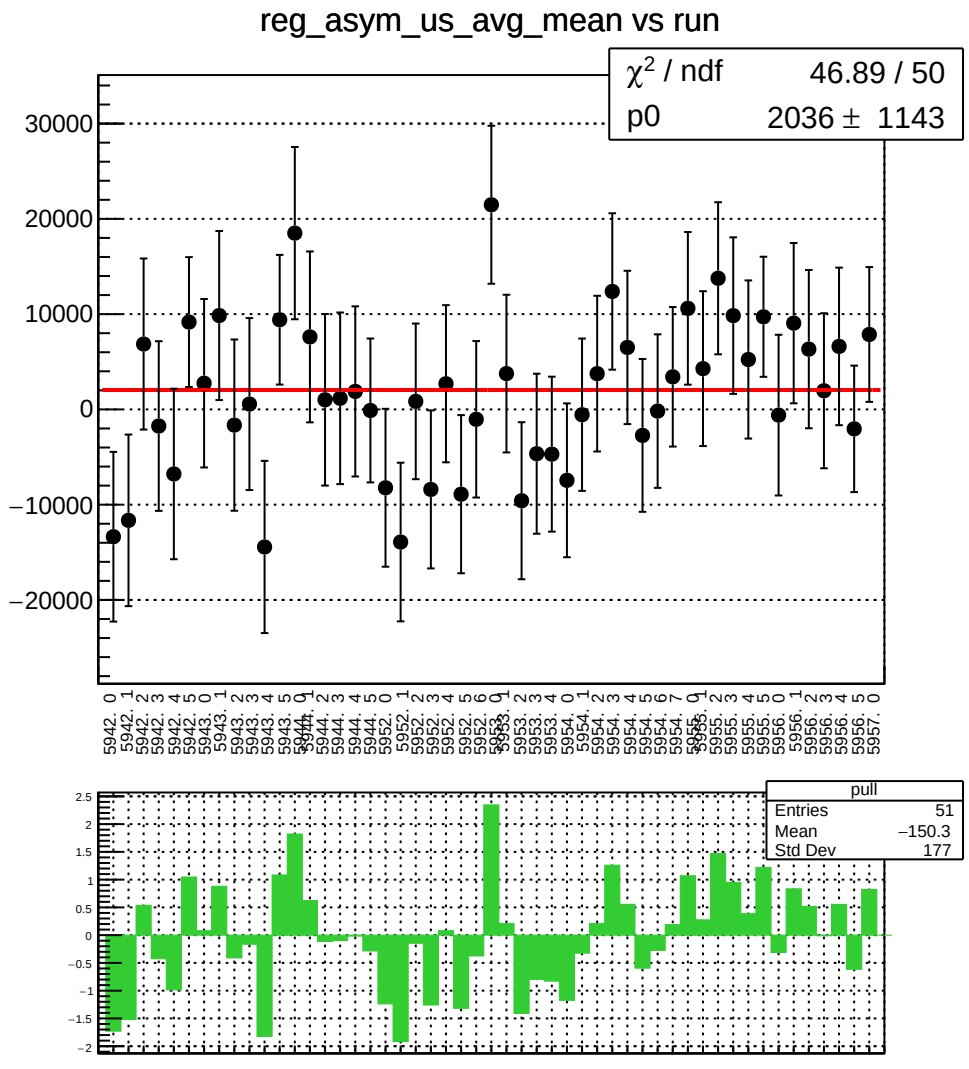
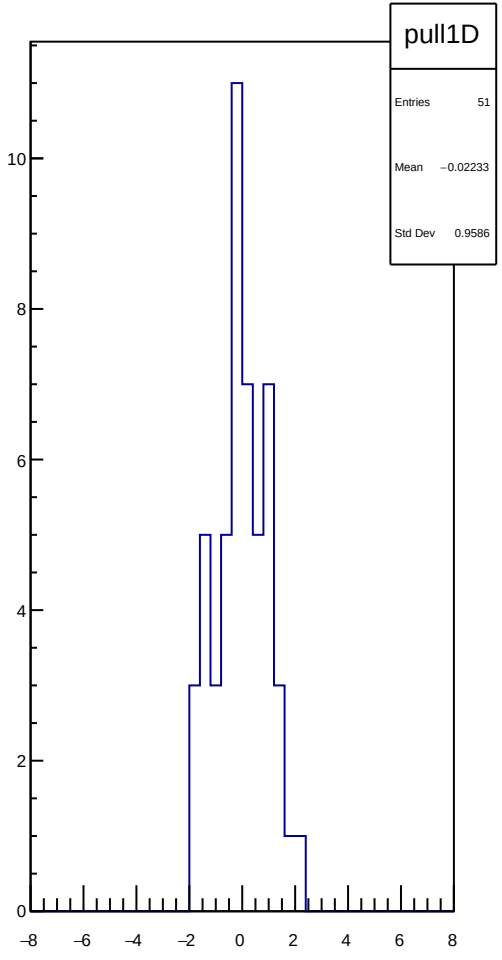
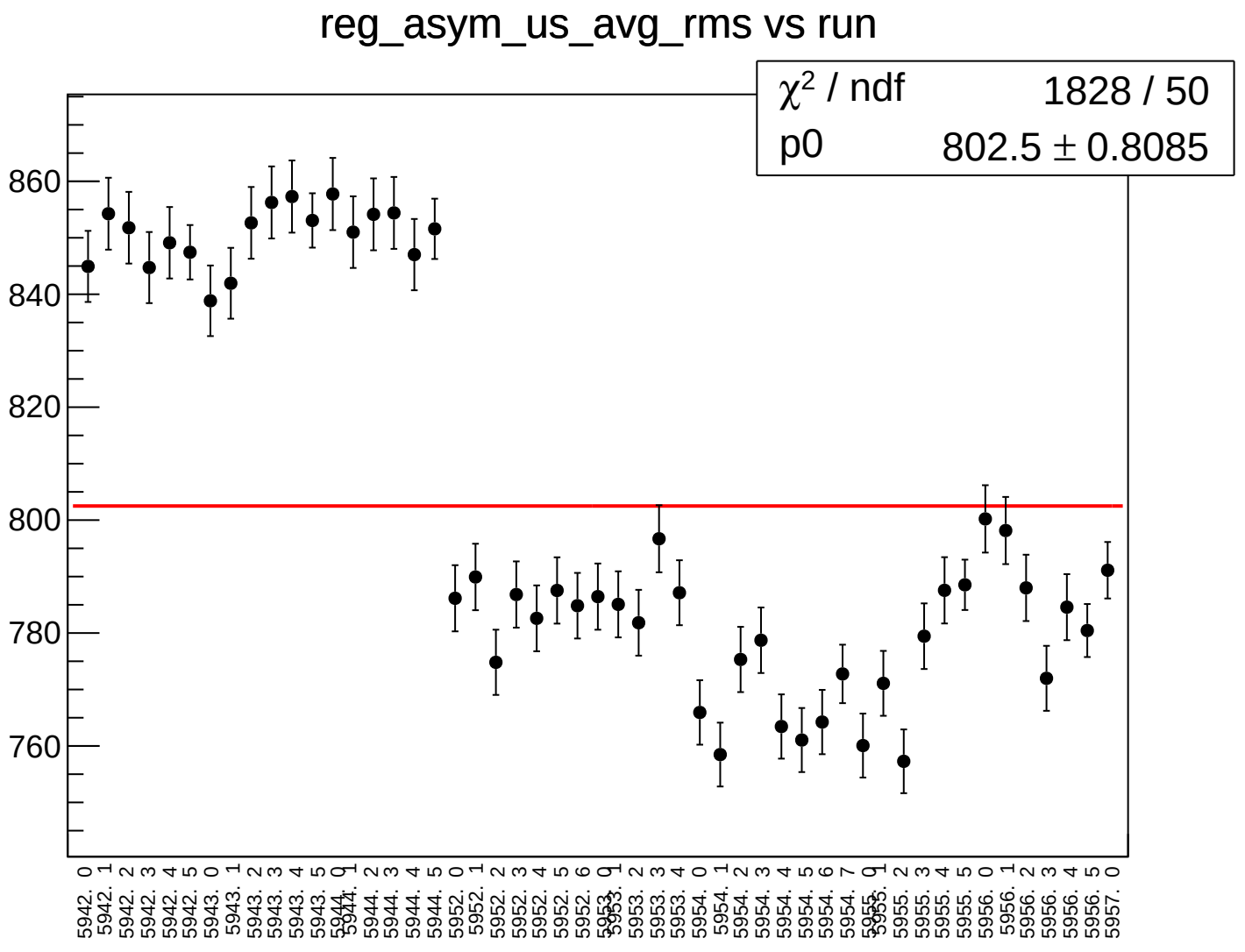
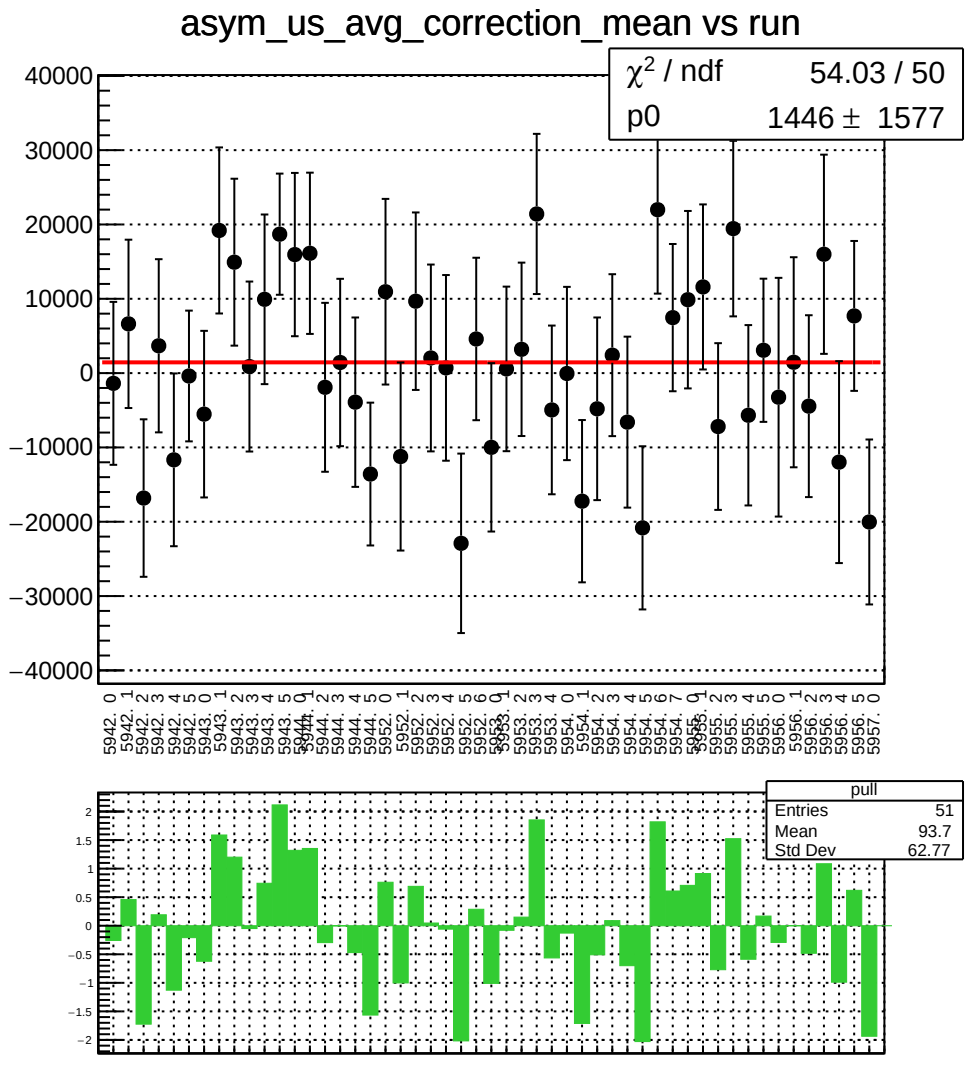
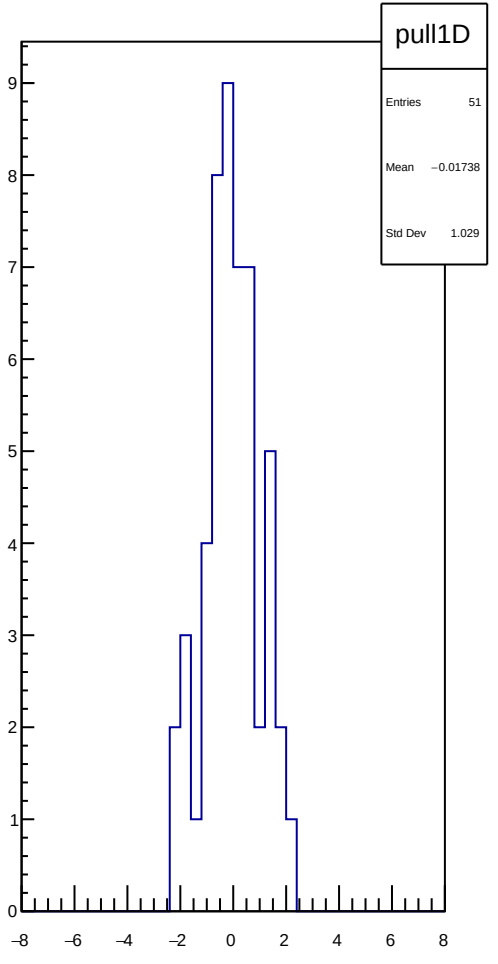
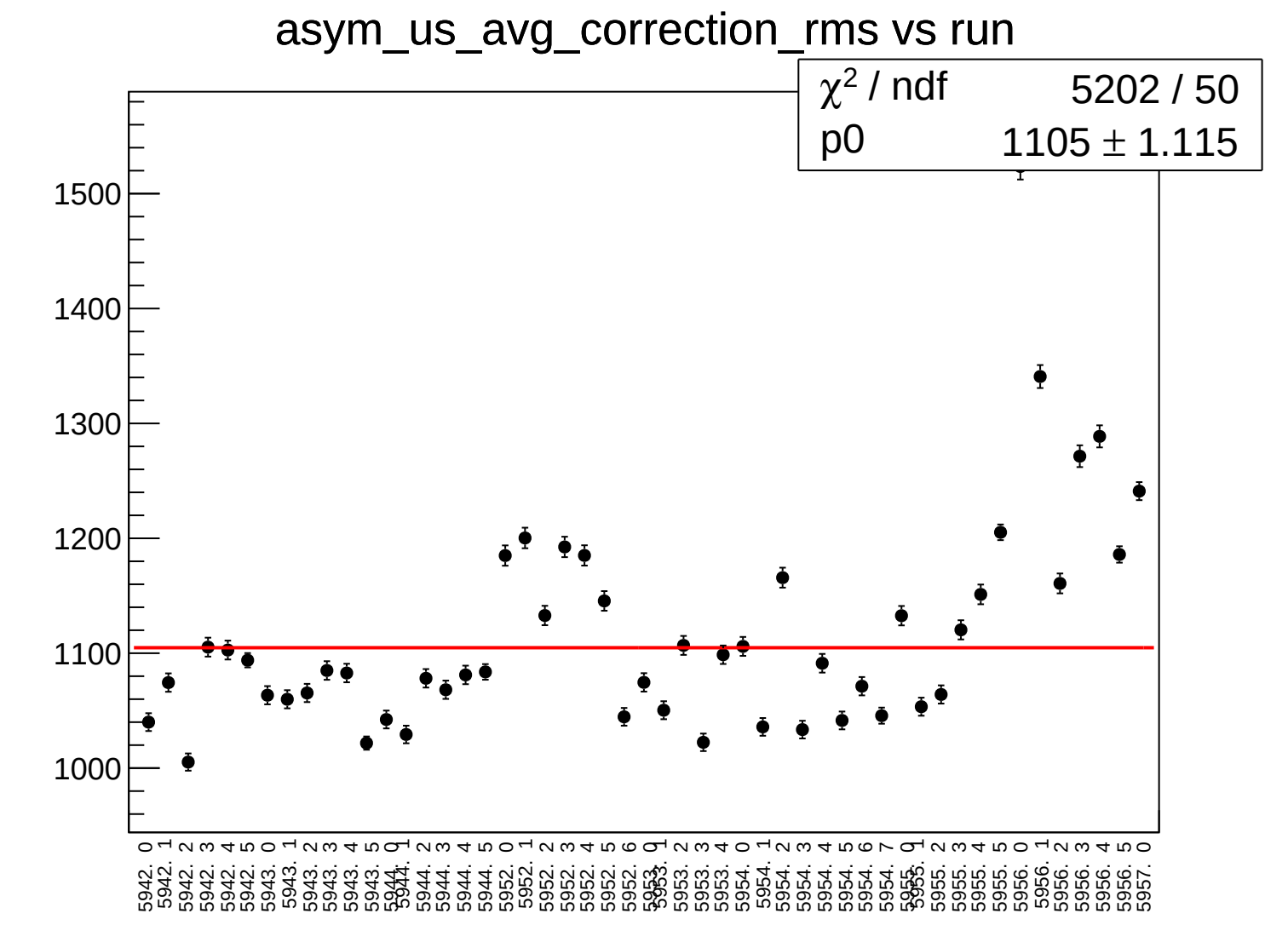

reg_asym_us_avg_mean vs run
χ² / ndf 46.89 / 50
p0 2036 ± 1143
pull
Entries 51
Mean −150.3
Std Dev 177

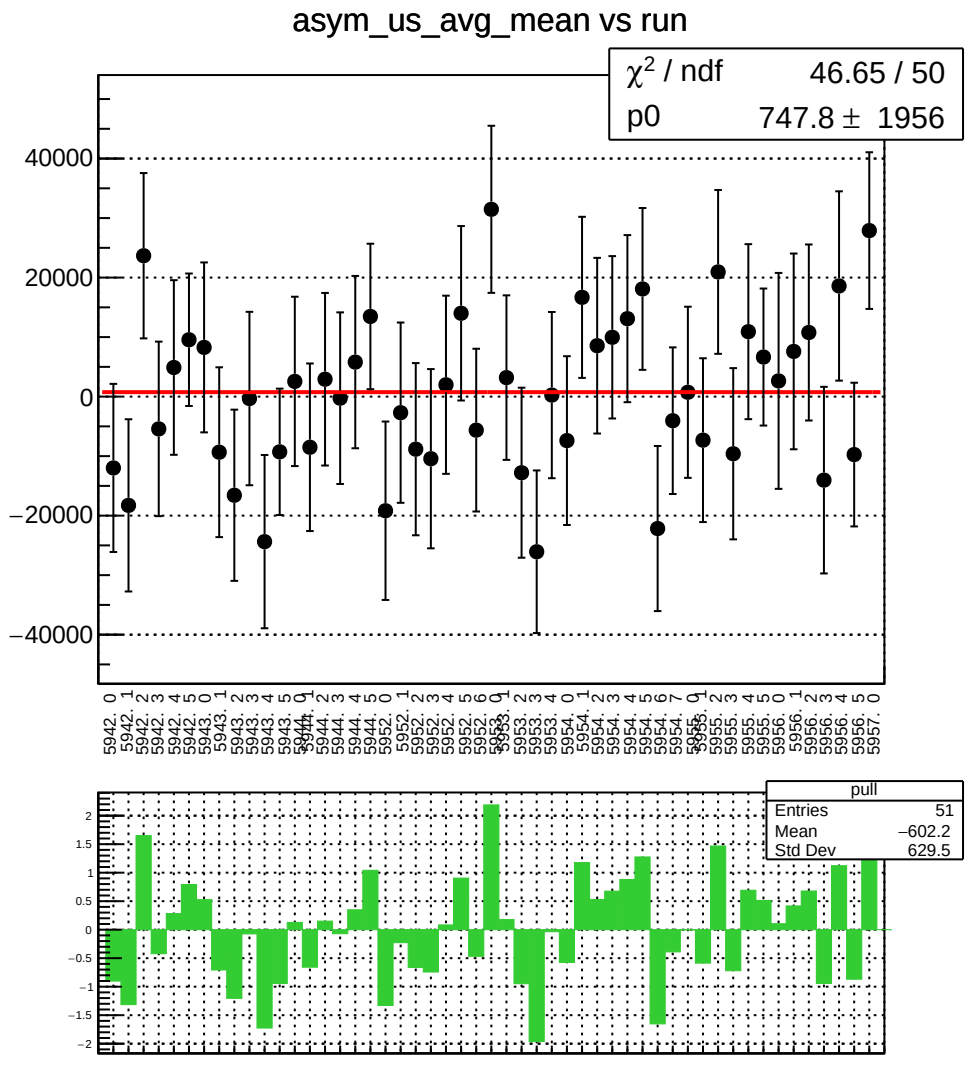

pull1D
Entries 51
Mean −0.02233
Std Dev 0.9586

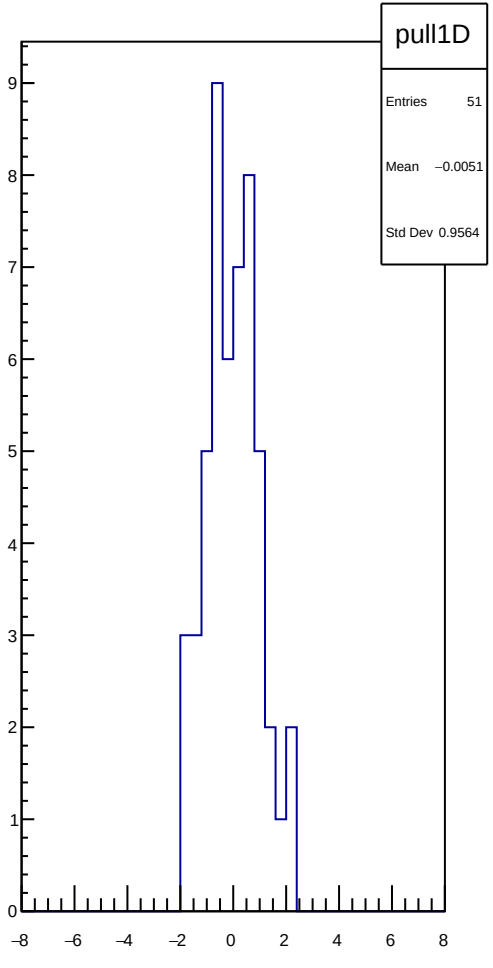

reg_asym_us_avg_rms vs run
χ² / ndf 1828 / 50
p0 802.5 ± 0.8085
860
840
820
800
780
760
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 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

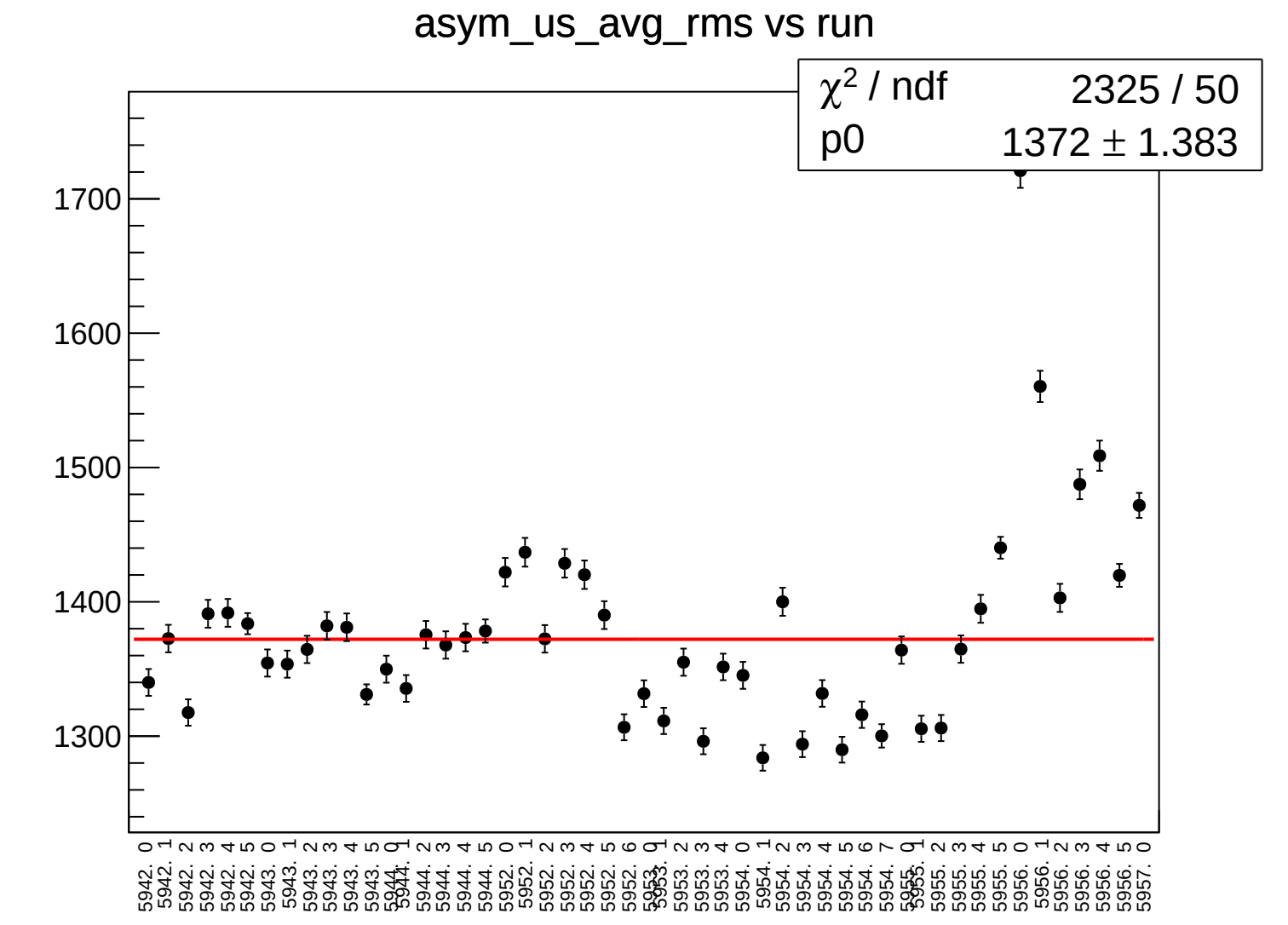

asym_us_avg_correction_mean vs run
χ² / ndf 54.03 / 50
p0 1446 ± 1577
pull
Entries 51
Mean 93.7
Std Dev 62.77

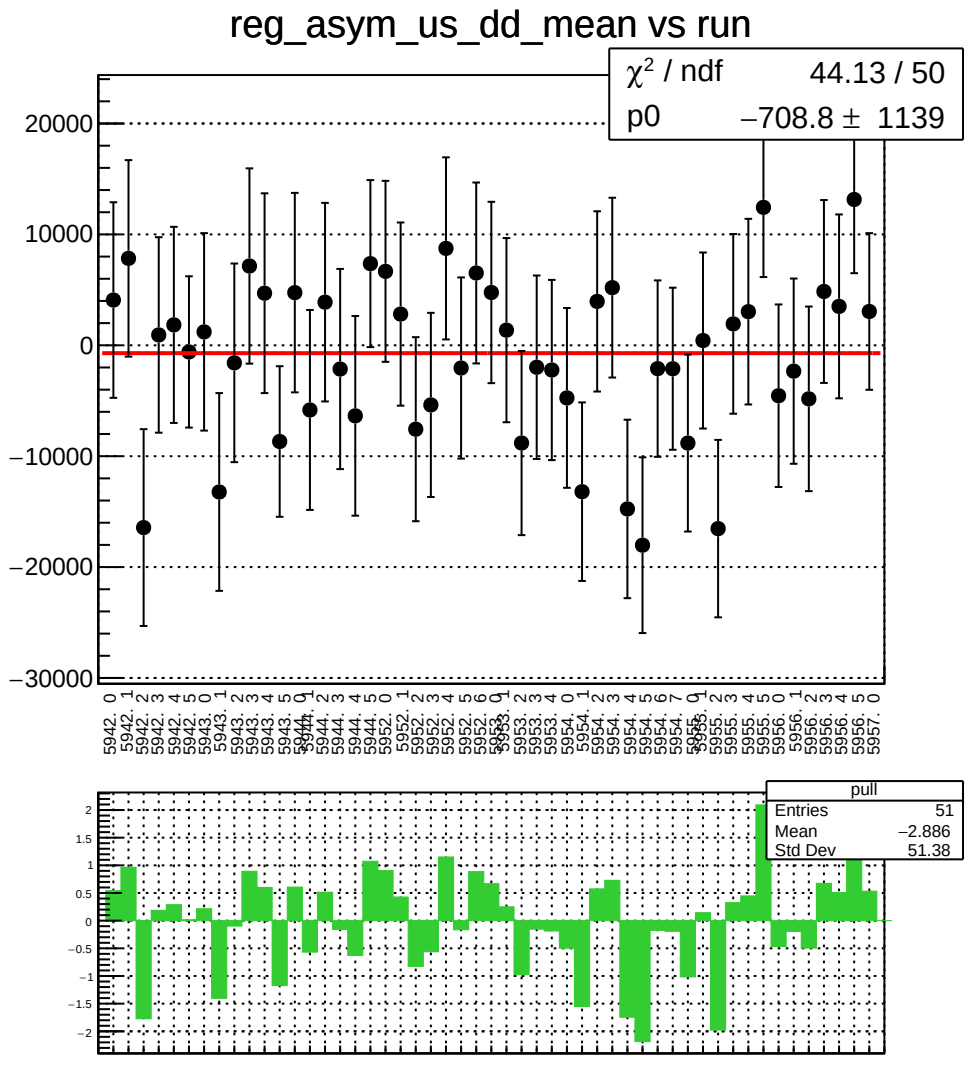

pull1D
Entries 51
Mean −0.01738
Std Dev 1.029

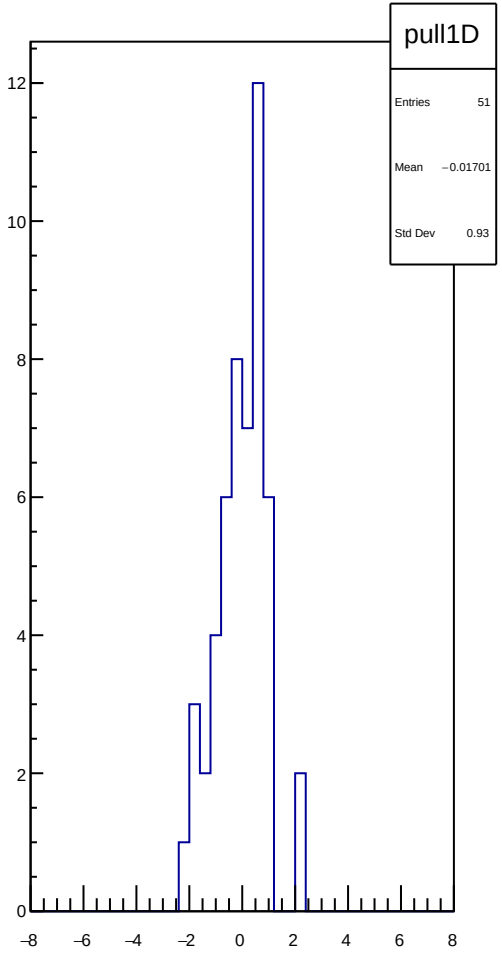

asym_us_avg_correction_rms vs run
χ² / ndf 5202 / 50
p0 1105 ± 1.115
1500
1400
1300
1200
1100
1000
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 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

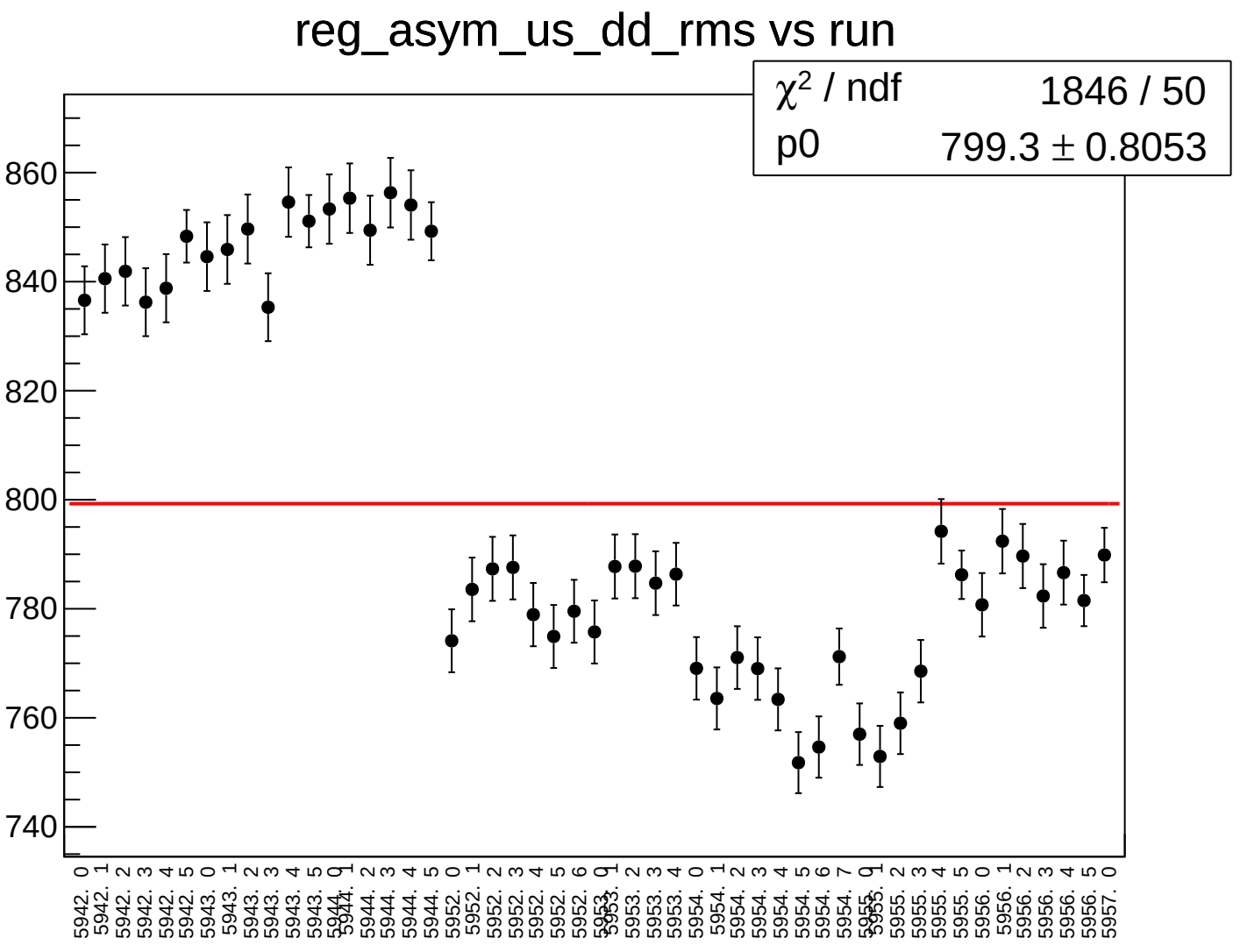

asym_us_avg_mean vs run
χ² / ndf 46.65 / 50
p0 747.8 ± 1956
40000
20000
0
−20000
−40000
pull
Entries 51
Mean −602.2
Std Dev 629.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

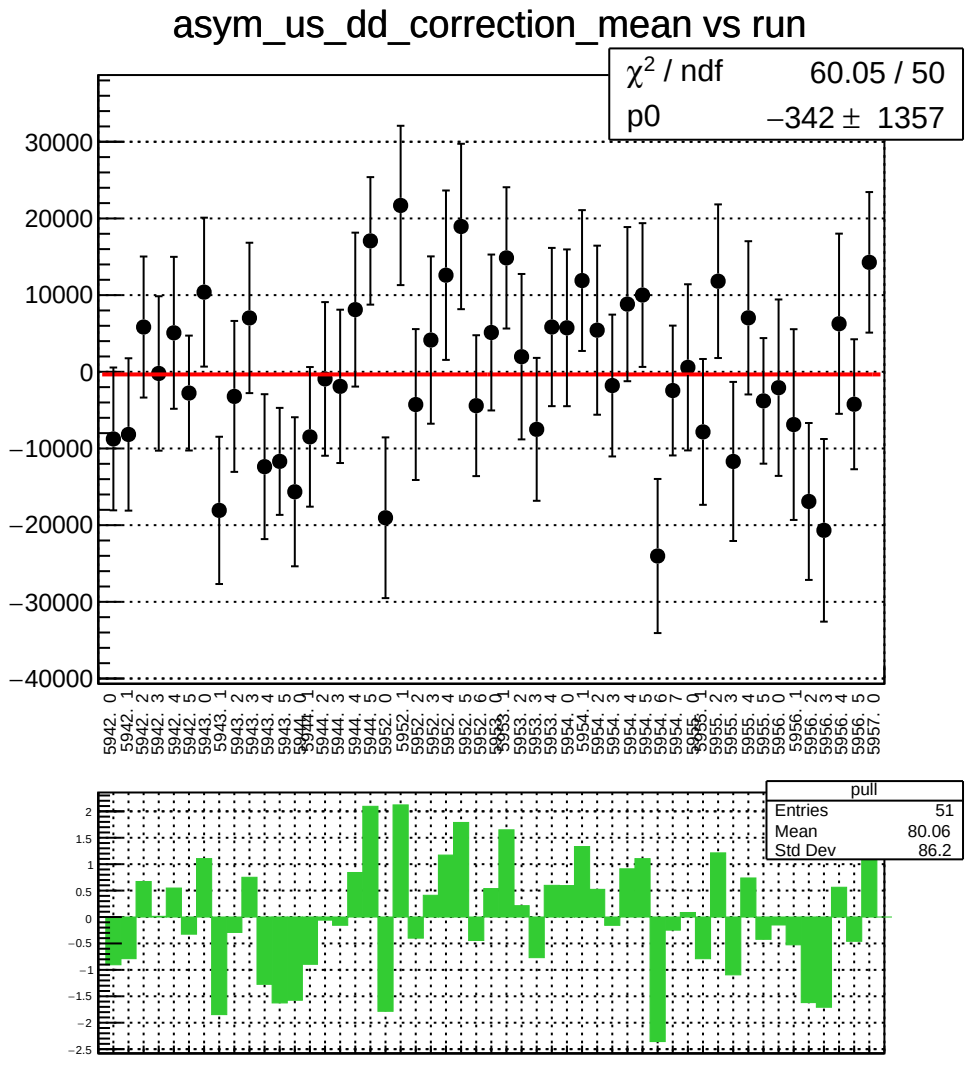

pull1D
Entries 51
Mean −0.0051
Std Dev 0.9564
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

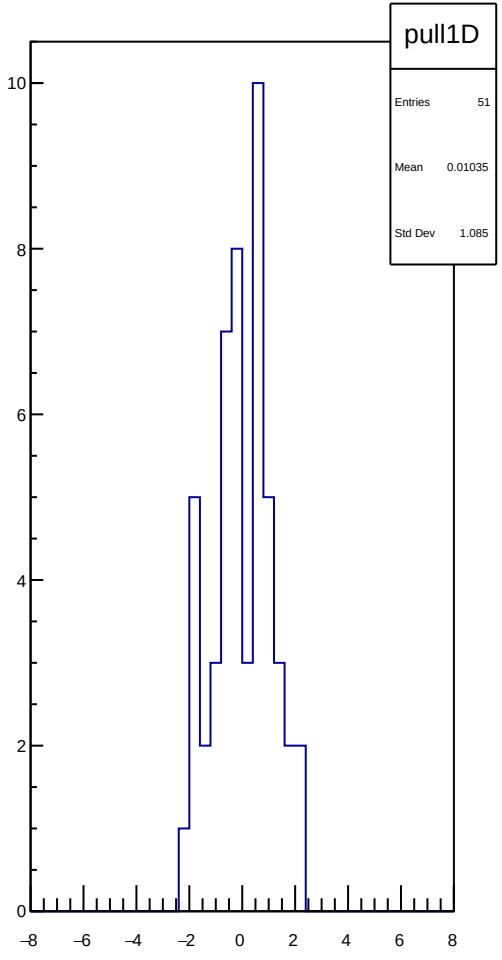

asym_us_avg_rms vs run
χ² / ndf 2325 / 50
p0 1372 ± 1.383
1700
1600
1500
1400
1300
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 1
5953. 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

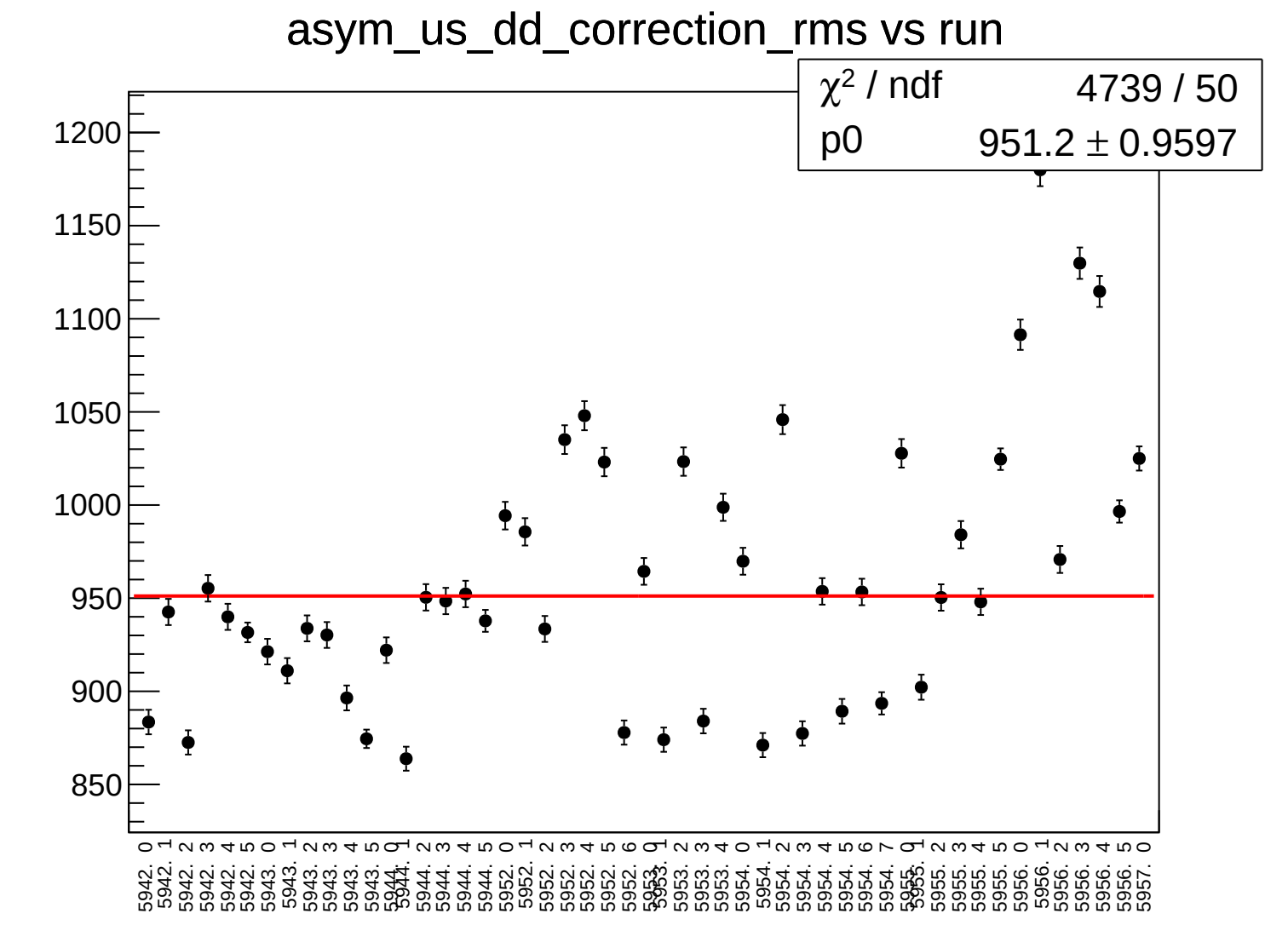

reg_asym_us_dd_mean vs run
χ² / ndf 44.13 / 50
p0 −708.8 ± 1139
pull
Entries 51
Mean −2.886
Std Dev 51.38

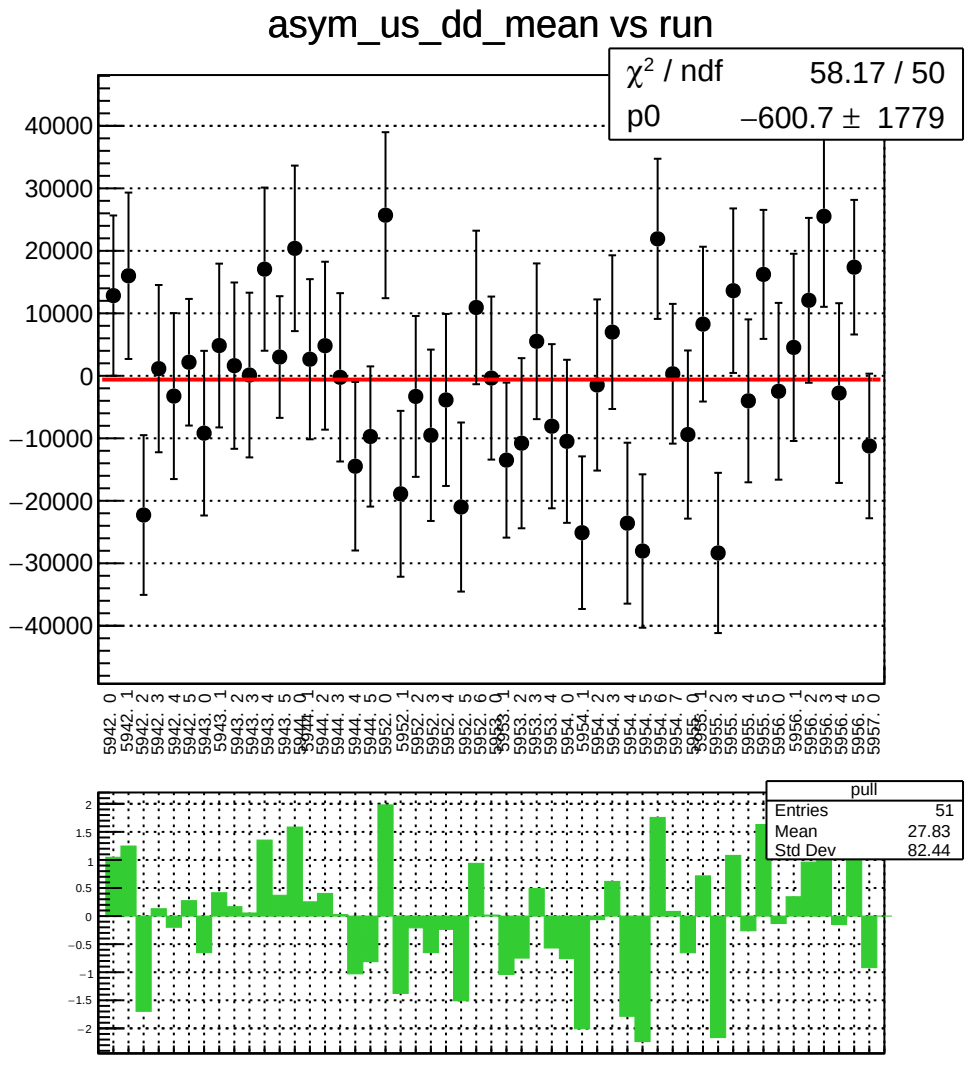

pull1D
Entries 51
Mean −0.01701
Std Dev 0.93

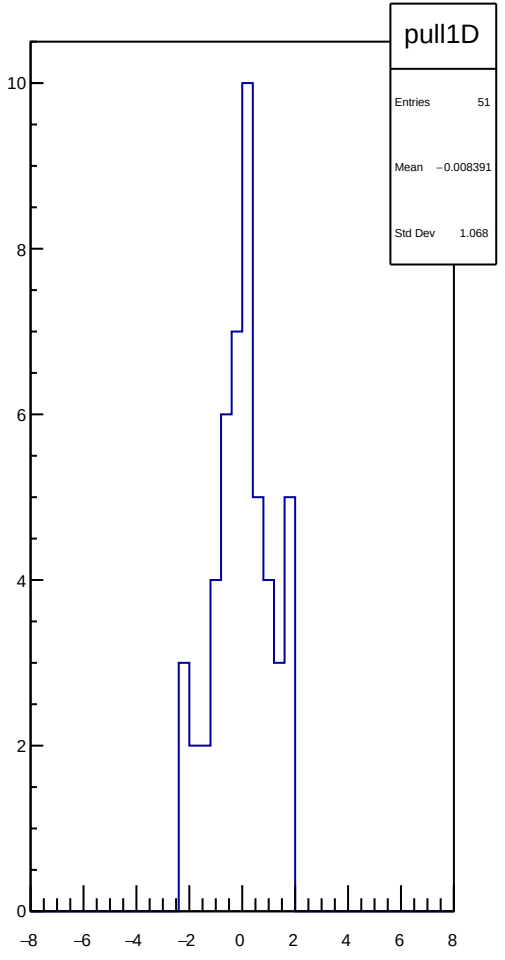

reg_asym_us_dd_rms vs run
χ² / ndf 1846 / 50
p0 799.3 ± 0.8053
860
840
820
800
780
760
740
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 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

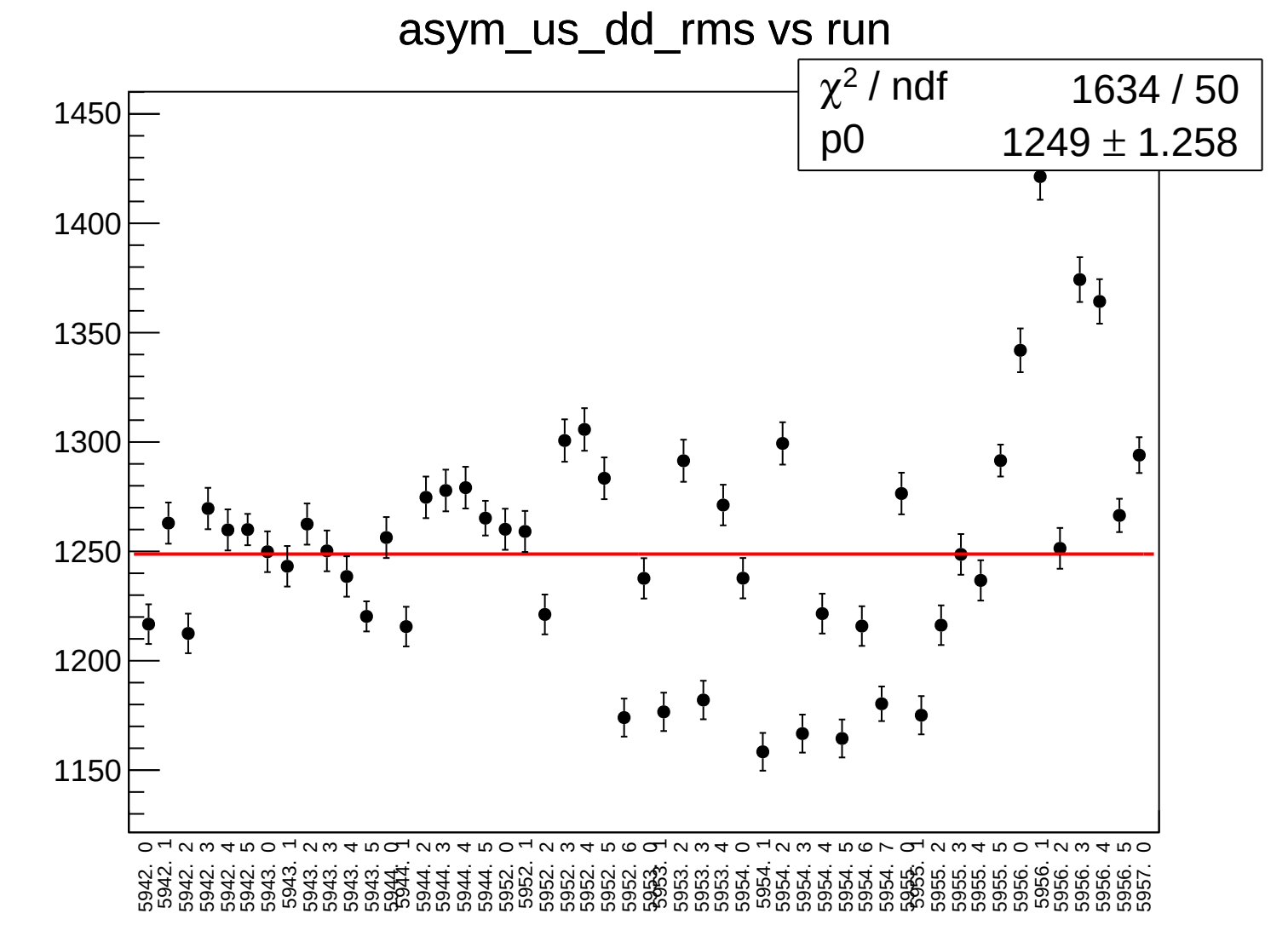

asym_us_dd_correction_mean vs run
χ² / ndf 60.05 / 50
p0 −342 ± 1357
pull
Entries 51
Mean 80.06
Std Dev 86.2

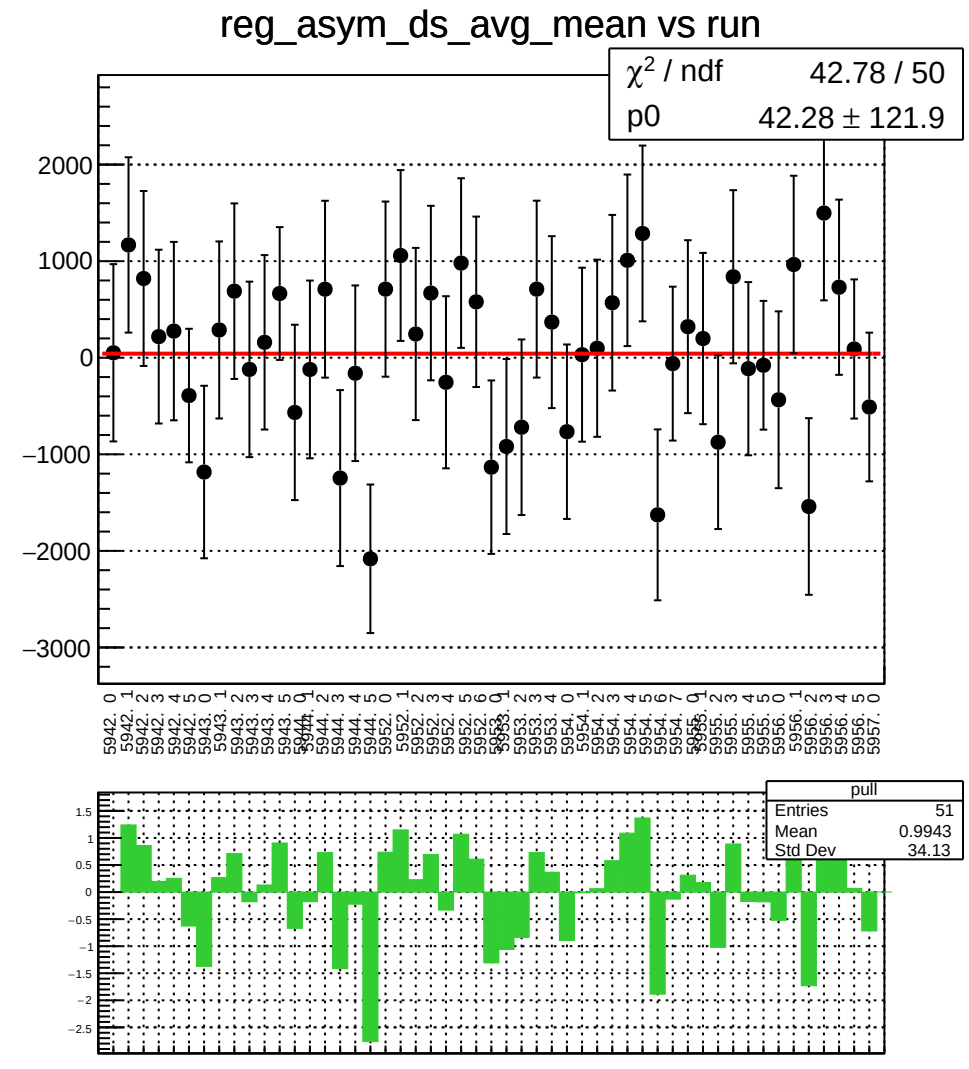

pull1D
Entries 51
Mean 0.01035
Std Dev 1.085

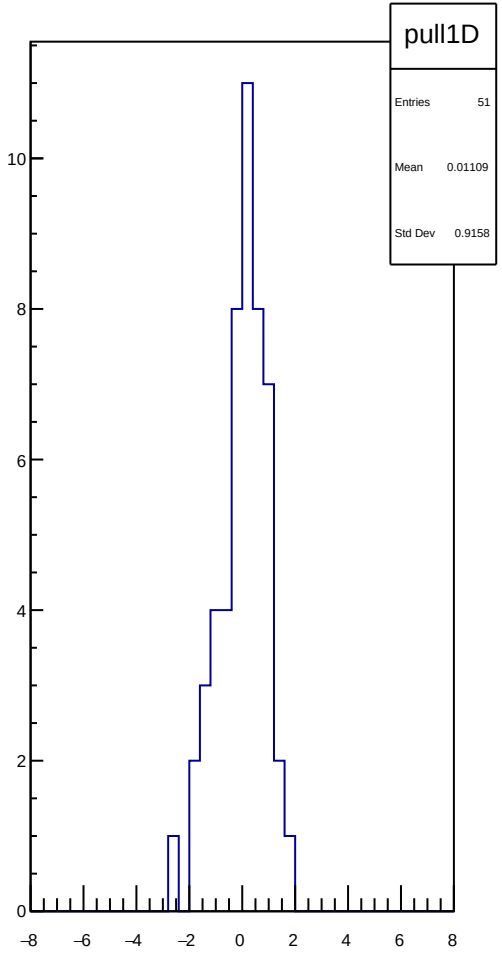

asym_us_dd_correction_rms vs run
χ² / ndf 4739 / 50
p0 951.2 ± 0.9597
1200
1150
1100
1050
1000
950
900
850
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 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

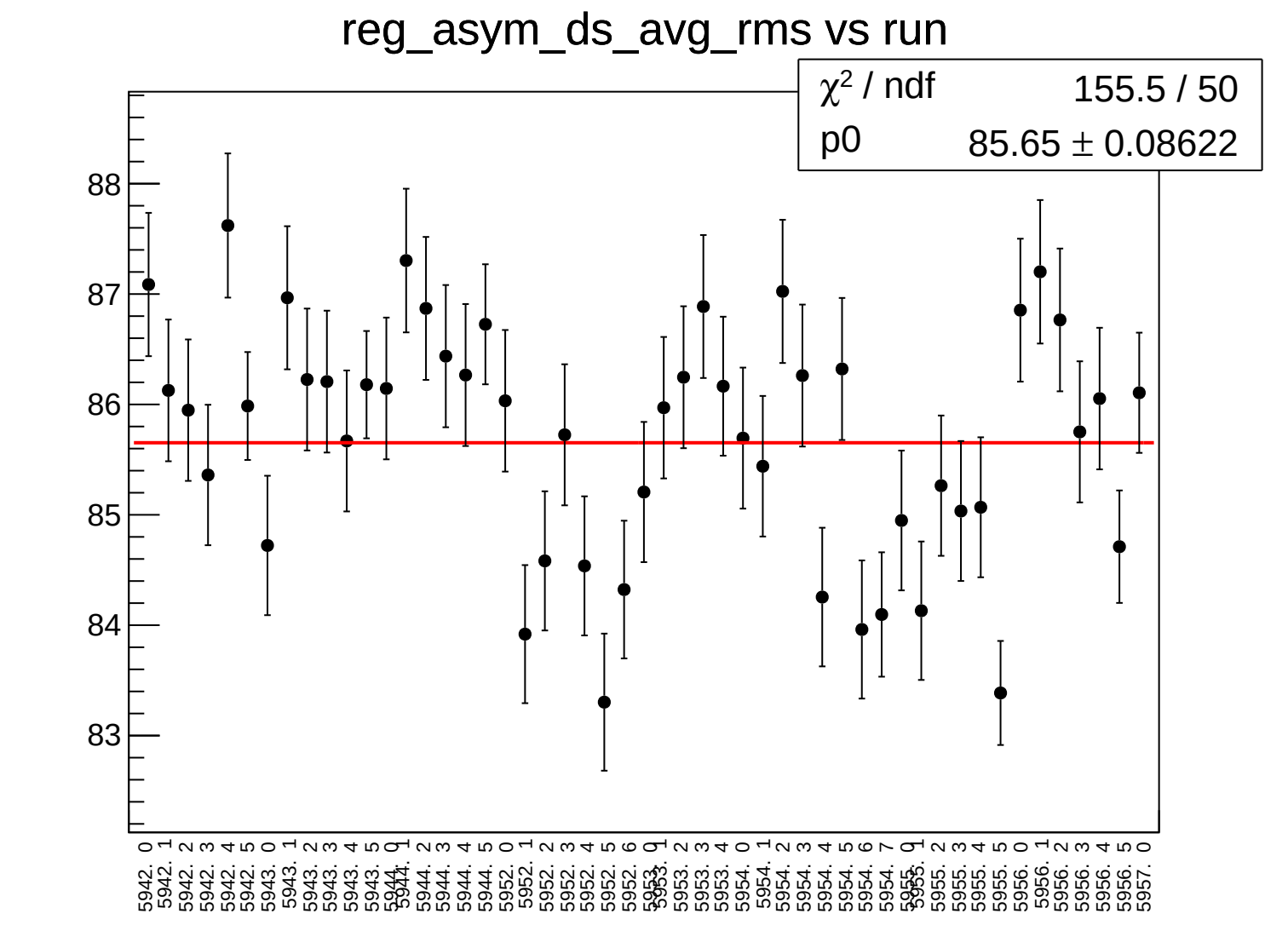

asym_us_dd_mean vs run
χ² / ndf 58.17 / 50
p0 −600.7 ± 1779
pull
Entries 51
Mean 27.83
Std Dev 82.44

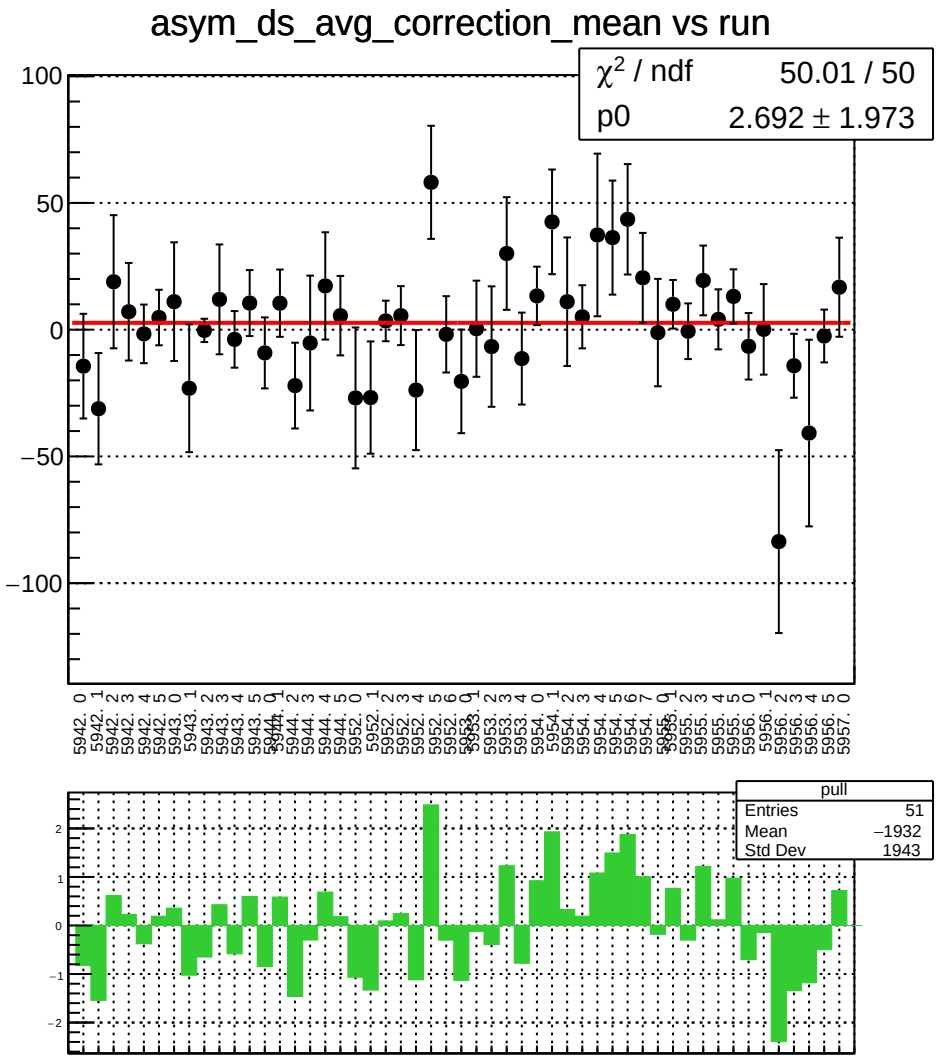

pull1D
Entries 51
Mean −0.008391
Std Dev 1.068

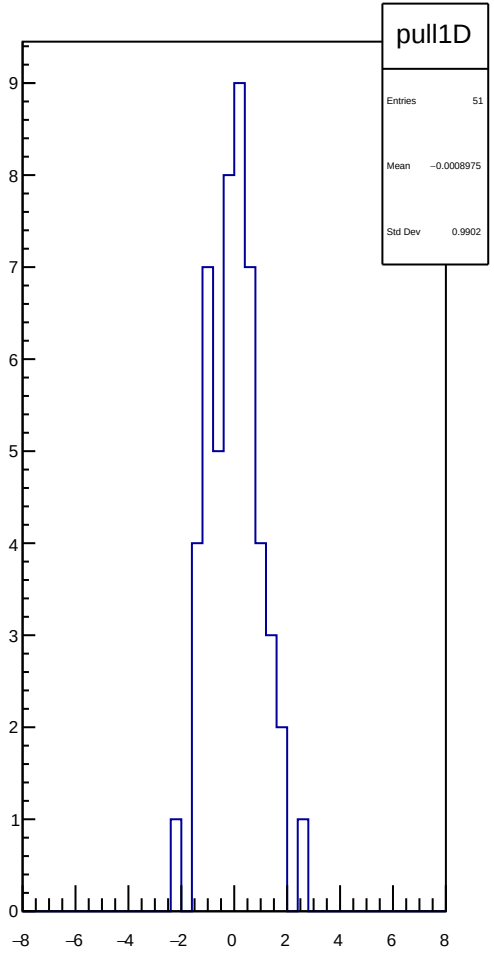

asym_us_dd_rms vs run
χ² / ndf 1634 / 50
p0 1249 ± 1.258
1450
1400
1350
1300
1250
1200
1150
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 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

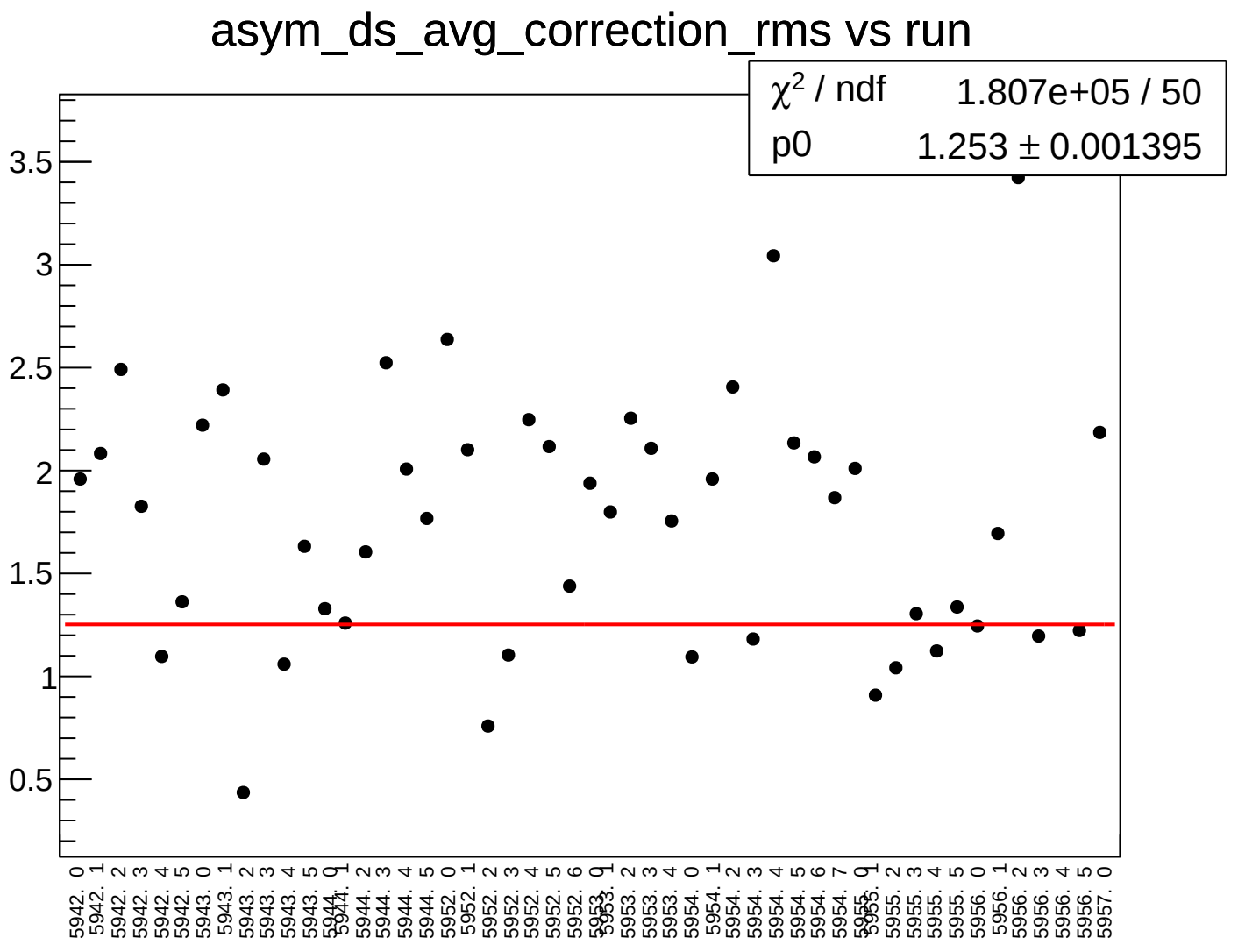

reg_asym_ds_avg_mean vs run
χ² / ndf 42.78 / 50
p0 42.28 ± 121.9
pull
Entries 51
Mean 0.9943
Std Dev 34.13

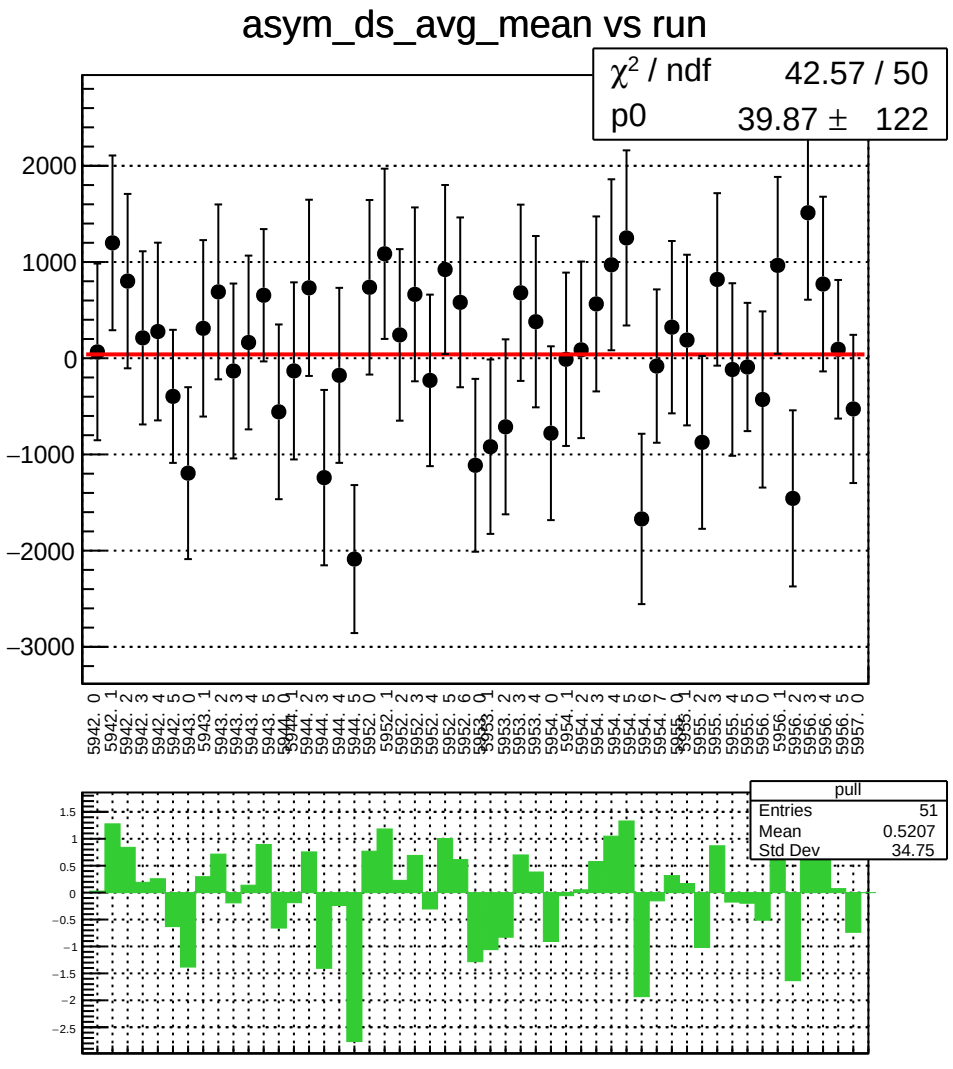

pull1D
Entries 51
Mean 0.01109
Std Dev 0.9158

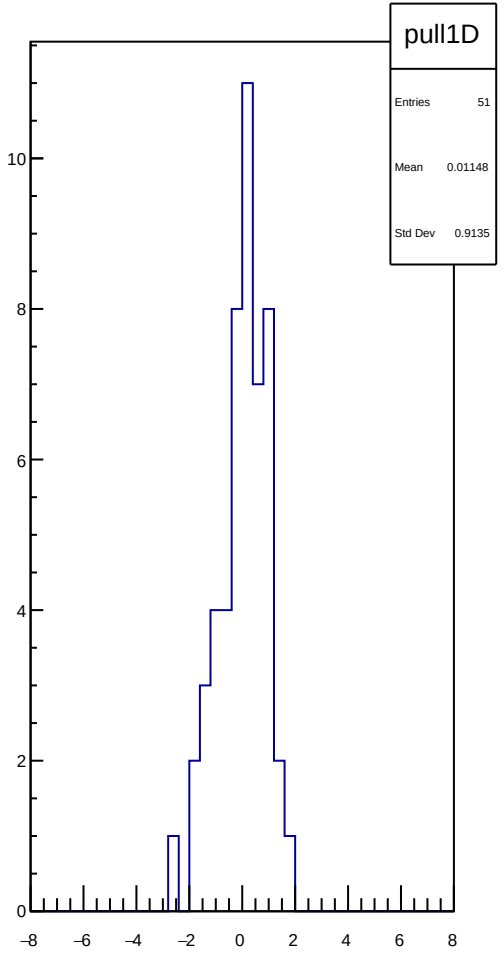

reg_asym_ds_avg_rms vs run
χ² / ndf 155.5 / 50
p0 85.65 ± 0.08622
88
87
86
85
84
83
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 1
5953. 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

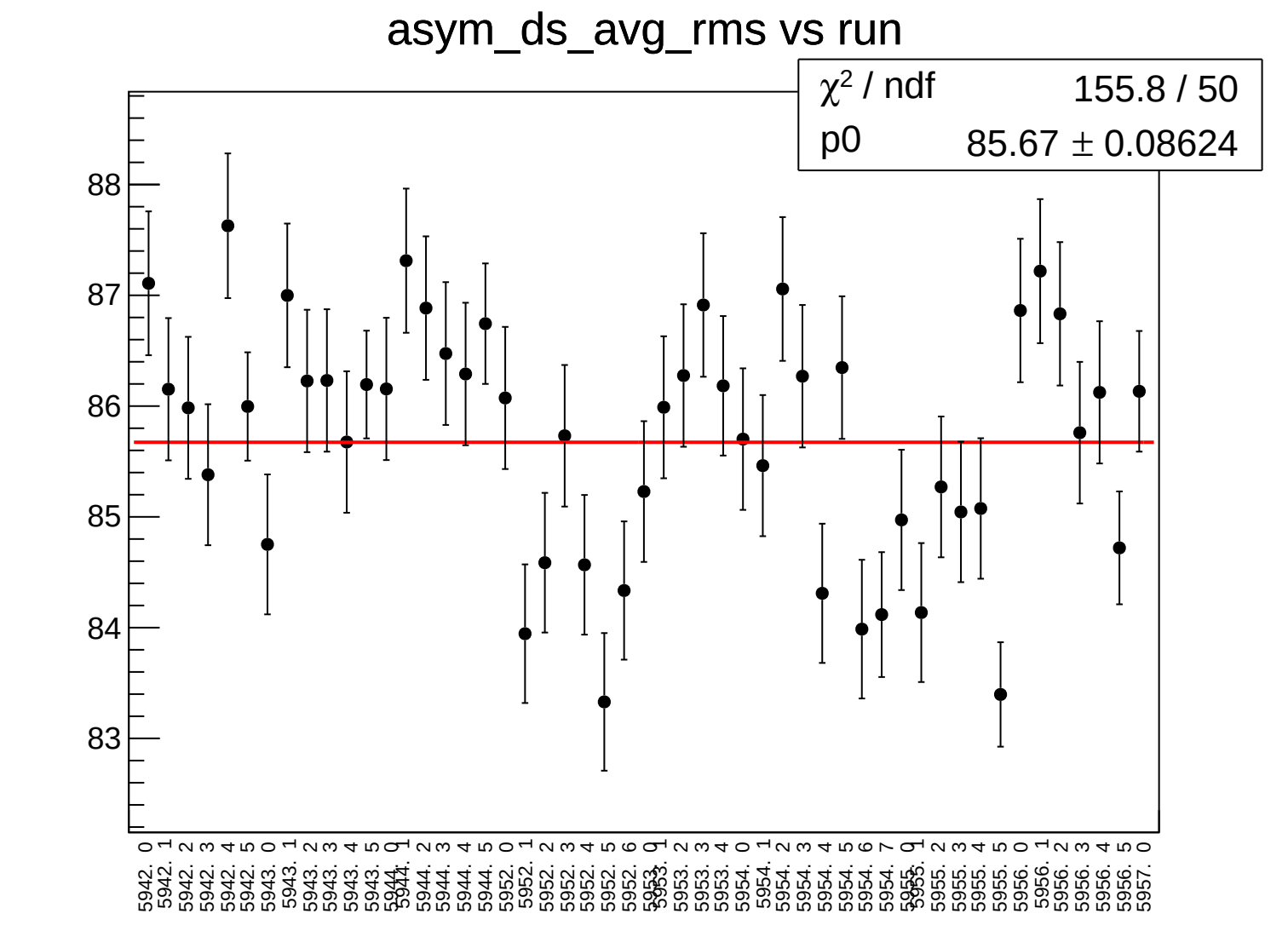

asym_ds_avg_correction_mean vs run
χ² / ndf 50.01 / 50
p0 2.692 ± 1.973
pull
Entries 51
Mean −1932
Std Dev 1943

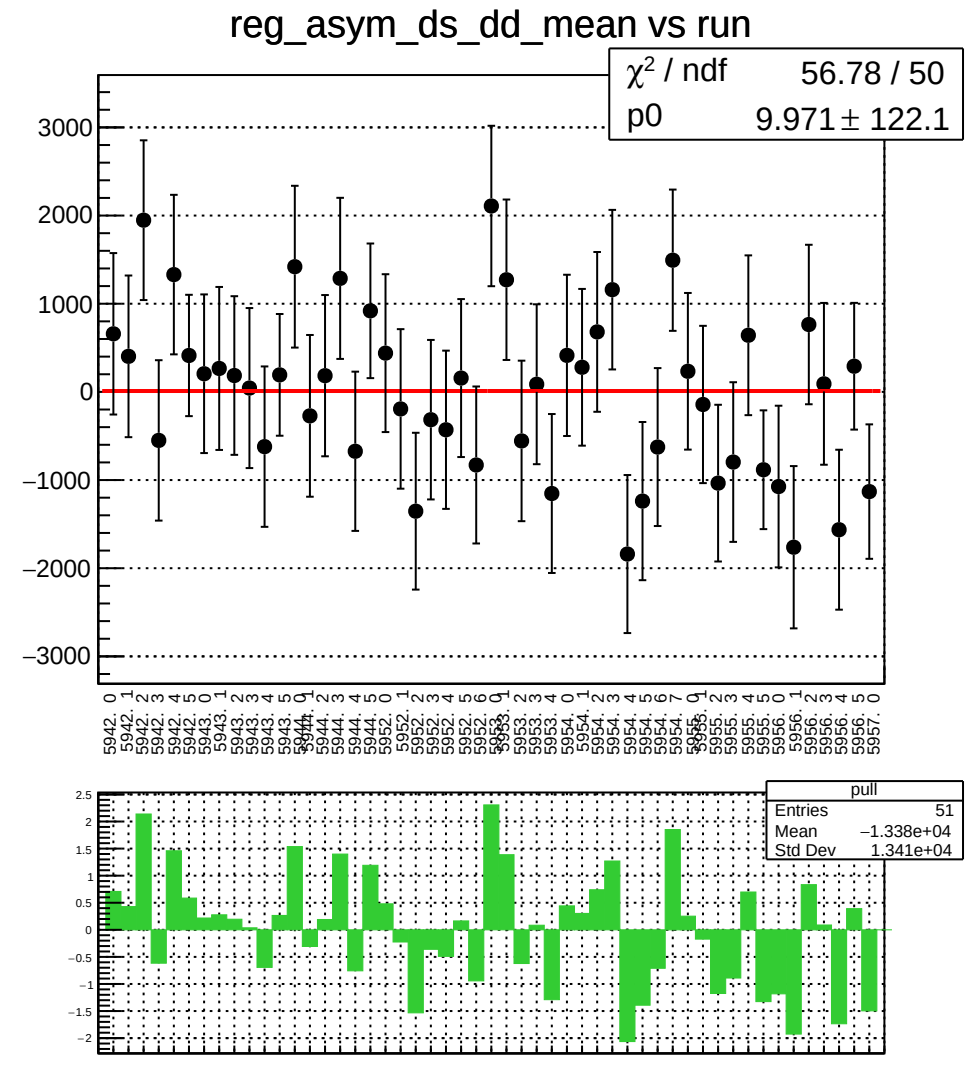

pull1D
Entries 51
Mean −0.0008975
Std Dev 0.9902

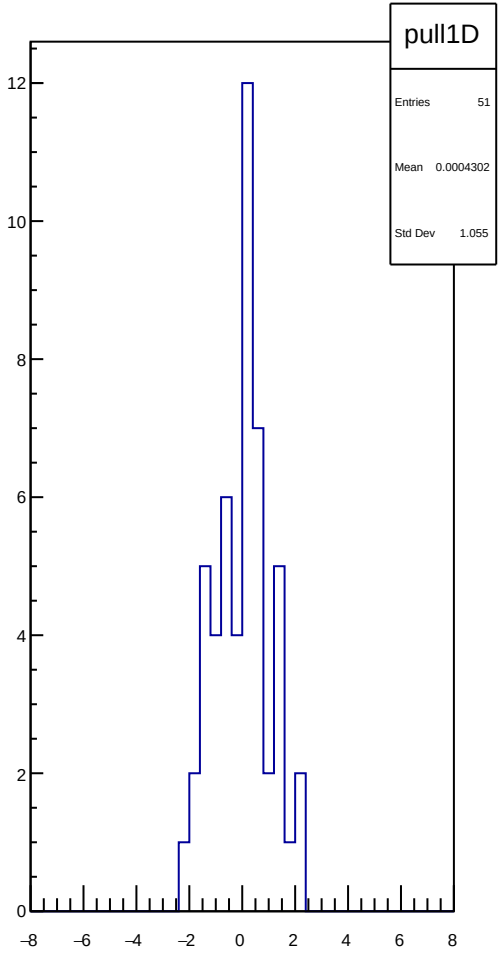

asym_ds_avg_correction_rms vs run
χ² / ndf 1.807e+05 / 50
p0 1.253 ± 0.001395
3.5
3
2.5
2
1.5
1
0.5
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 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

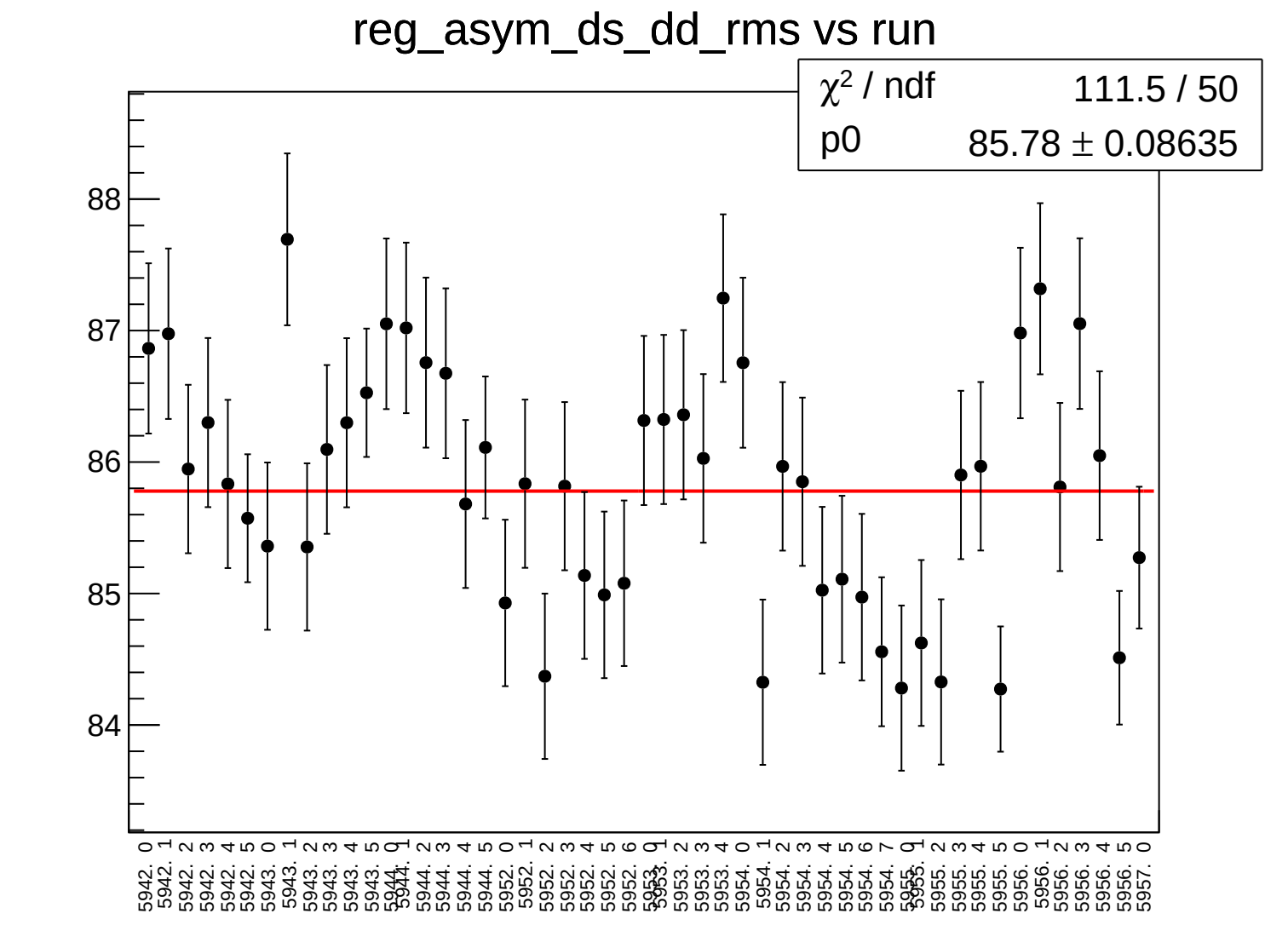

asym_ds_avg_mean vs run
χ² / ndf 42.57 / 50
p0 39.87 ± 122
2000
1000
0
−1000
−2000
−3000
pull
Entries 51
Mean 0.5207
Std Dev 34.75
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

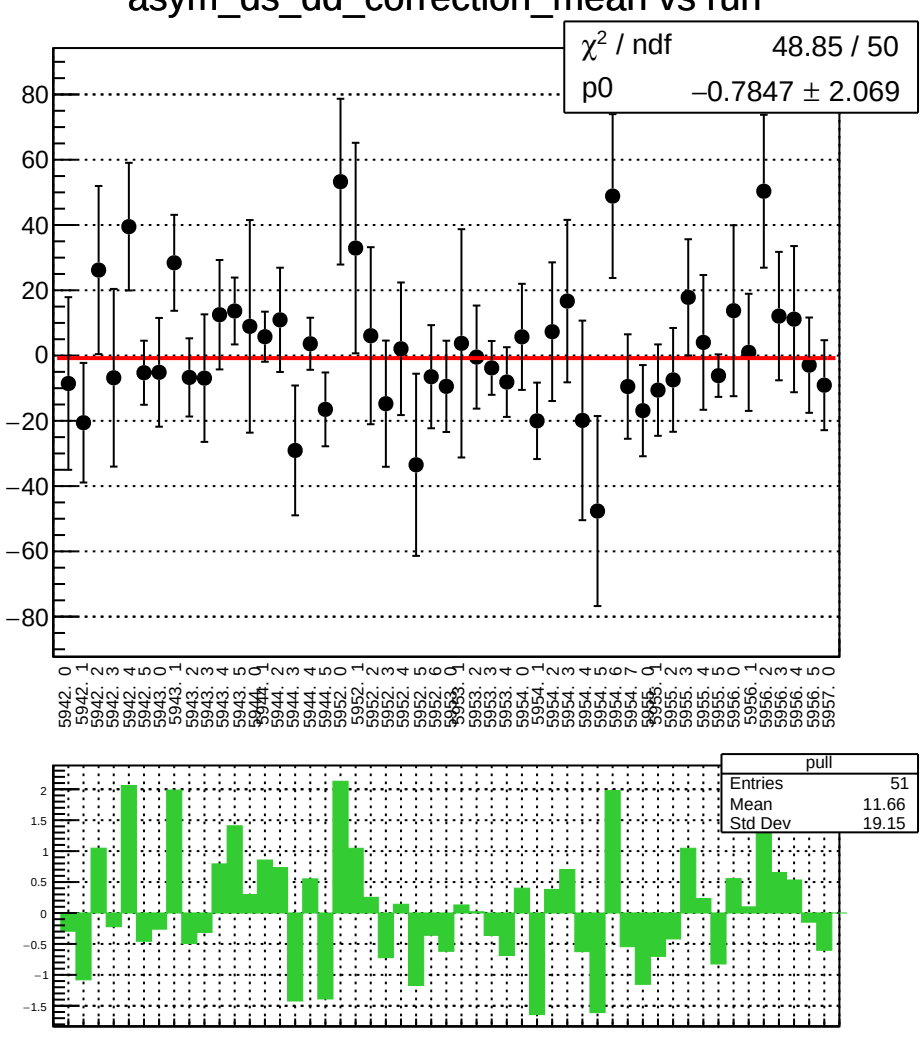

pull1D
Entries 51
Mean 0.01148
Std Dev 0.9135
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

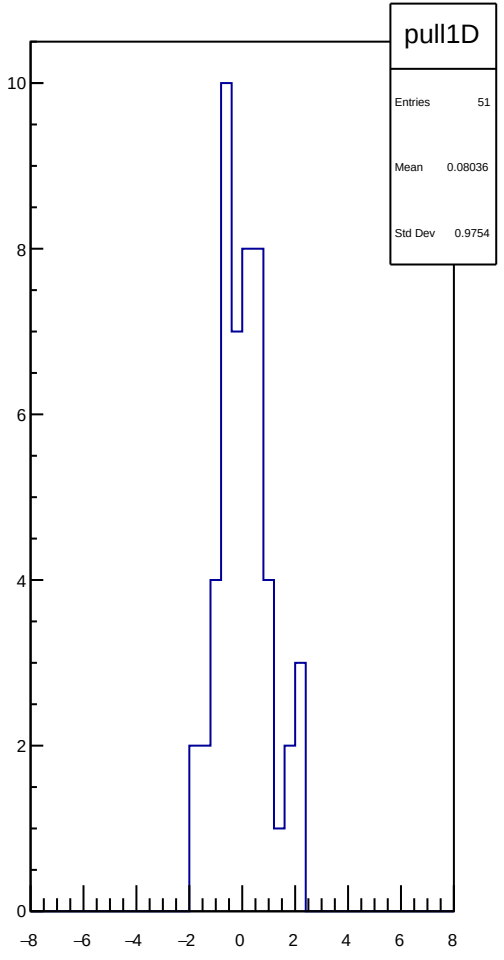

asym_ds_avg_rms vs run
χ^2 / ndf 155.8 / 50
p0 85.67 ± 0.08624
88
87
86
85
84
83
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 1
5953. 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

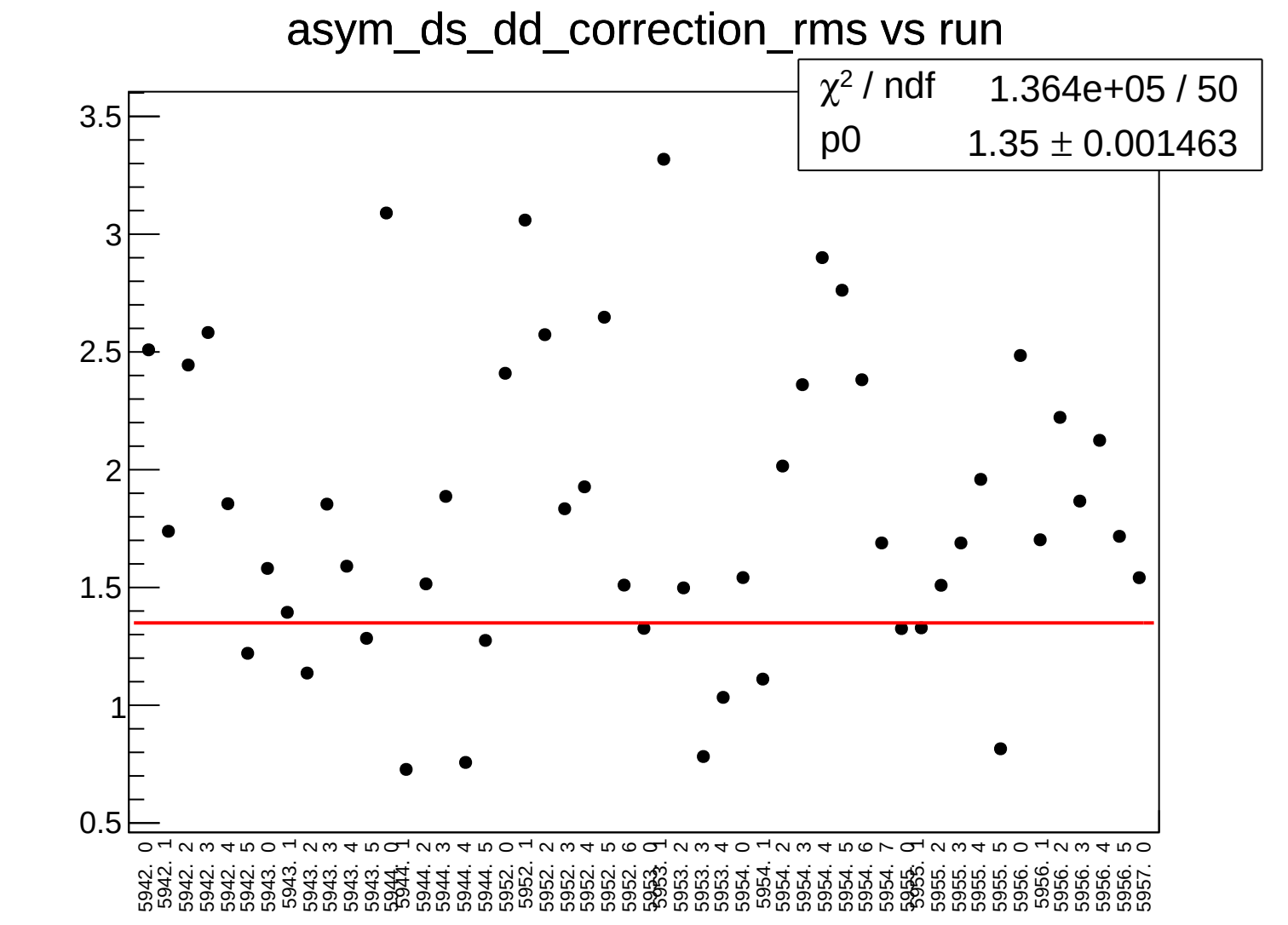

reg_asym_ds_dd_mean vs run
χ² / ndf 56.78 / 50
p0 9.971 ± 122.1
3000
2000
1000
0
−1000
−2000
−3000
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5952. 9
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
5956. 6
5957. 0
pull
Entries 51
Mean −1.338e+04
Std Dev 1.341e+04
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

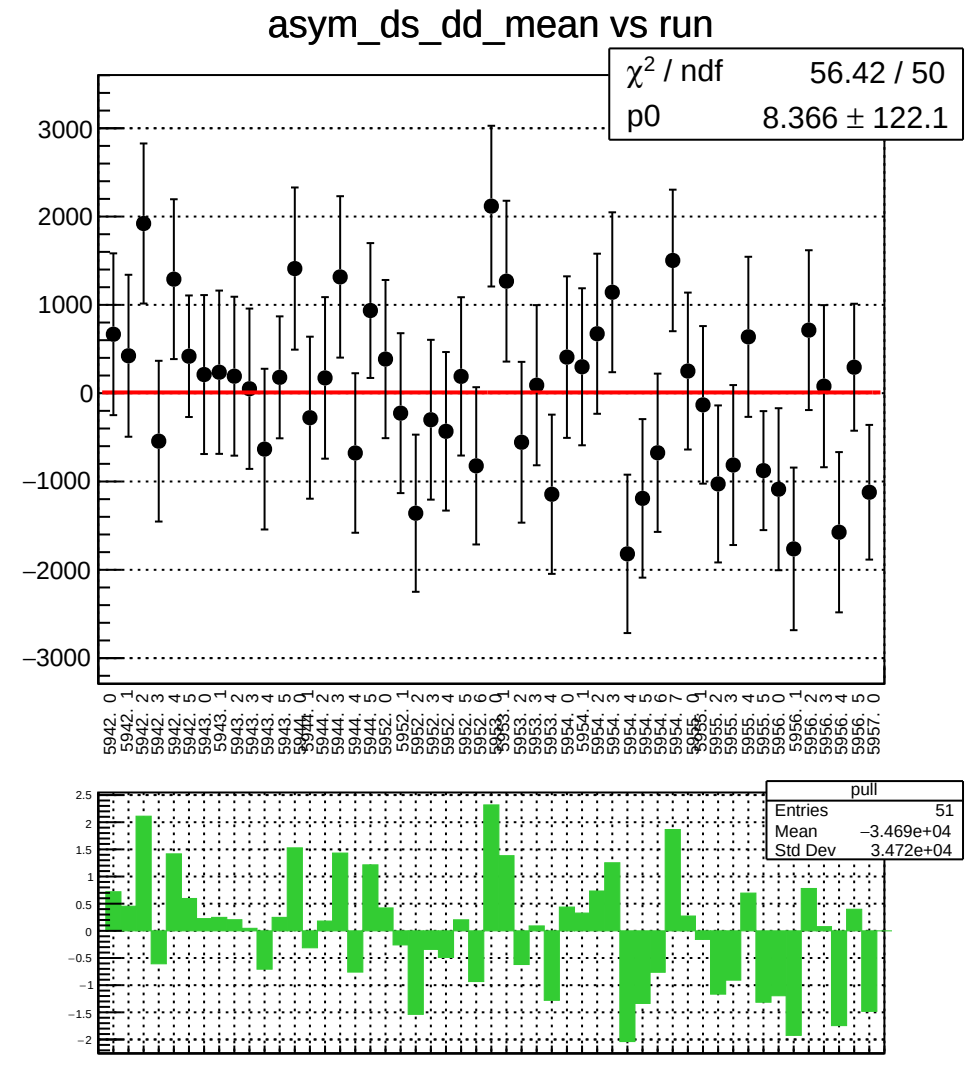

pull1D
Entries 51
Mean 0.0004302
Std Dev 1.055
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

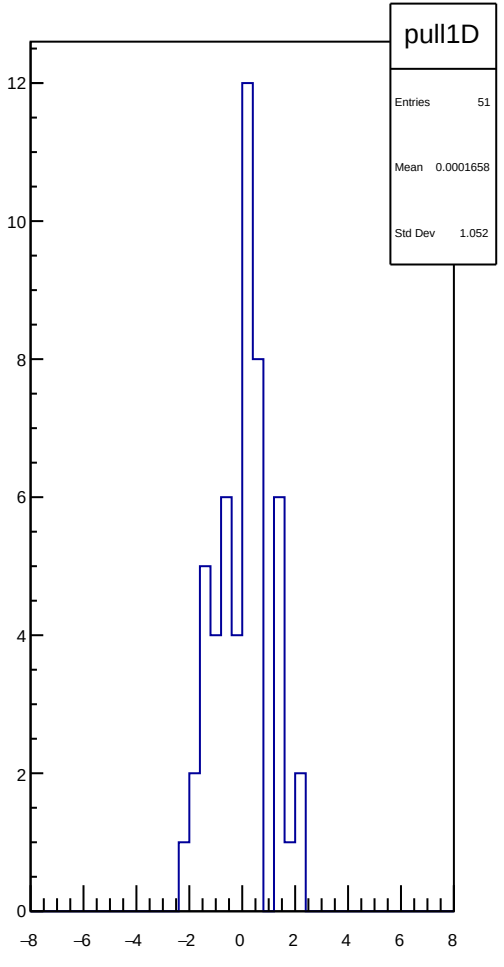

reg_asym_ds_dd_rms vs run
χ² / ndf 111.5 / 50
p0 85.78 ± 0.08635
88
87
86
85
84
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 1
5953. 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

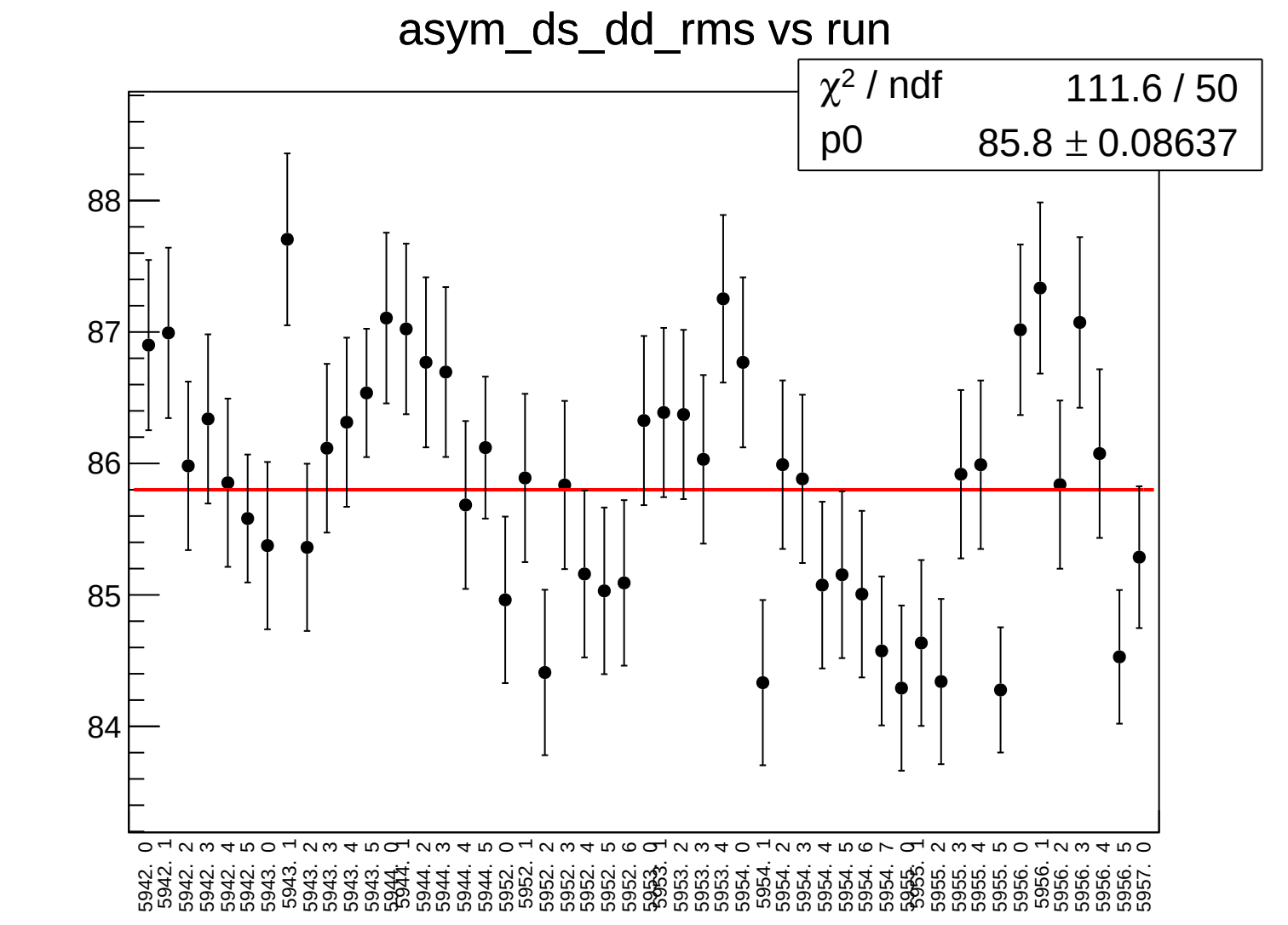

asym_ds_dd_correction_mean vs run
χ² / ndf 48.85 / 50
p0 −0.7847 ± 2.069
pull
Entries 51
Mean 11.66
Std Dev 19.15

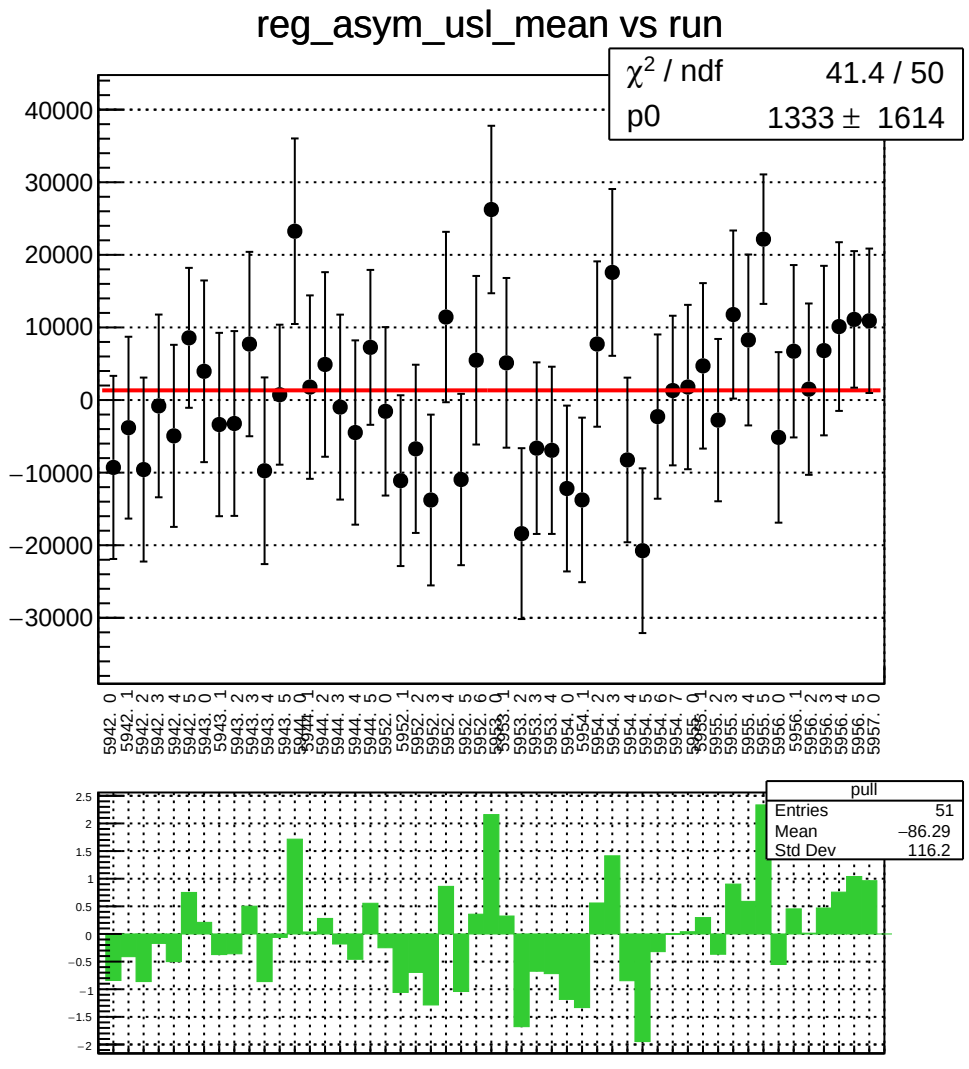

pull1D
Entries 51
Mean 0.08036
Std Dev 0.9754

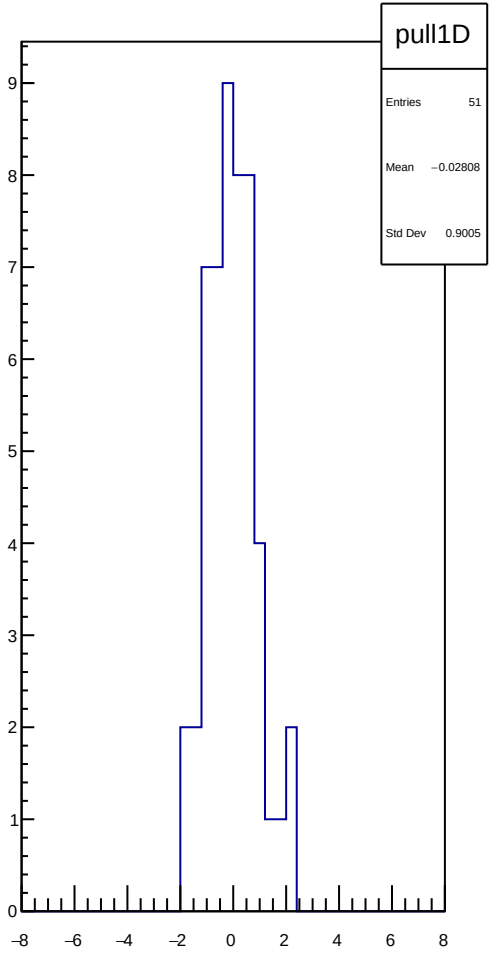

asym_ds_dd_correction_rms vs run
χ² / ndf 1.364e+05 / 50
p0 1.35 ± 0.001463
3.5
3
2.5
2
1.5
1
0.5
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 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

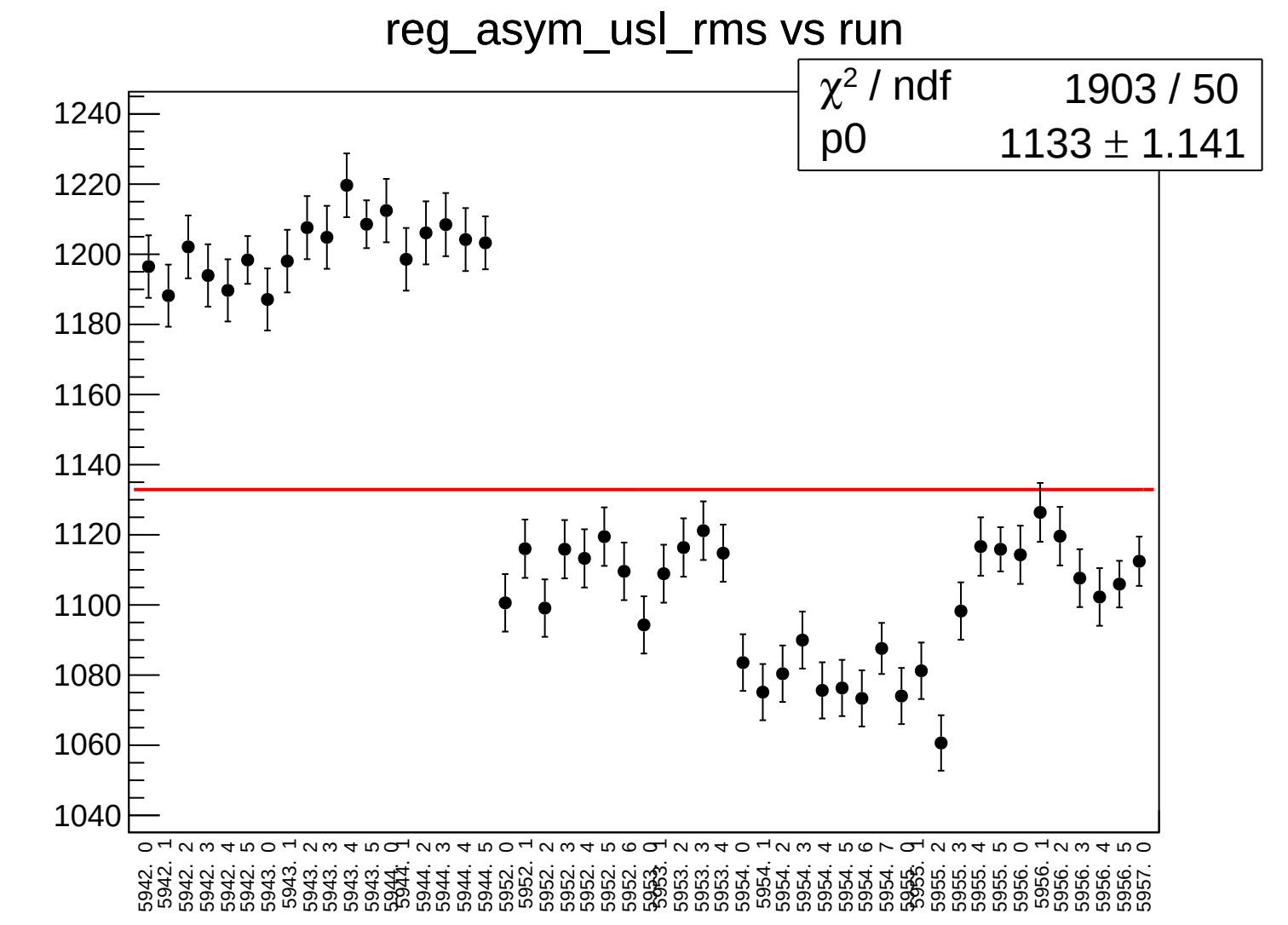

asym_ds_dd_mean vs run
χ² / ndf 56.42 / 50
p0 8.366 ± 122.1
pull
Entries 51
Mean −3.469e+04
Std Dev 3.472e+04

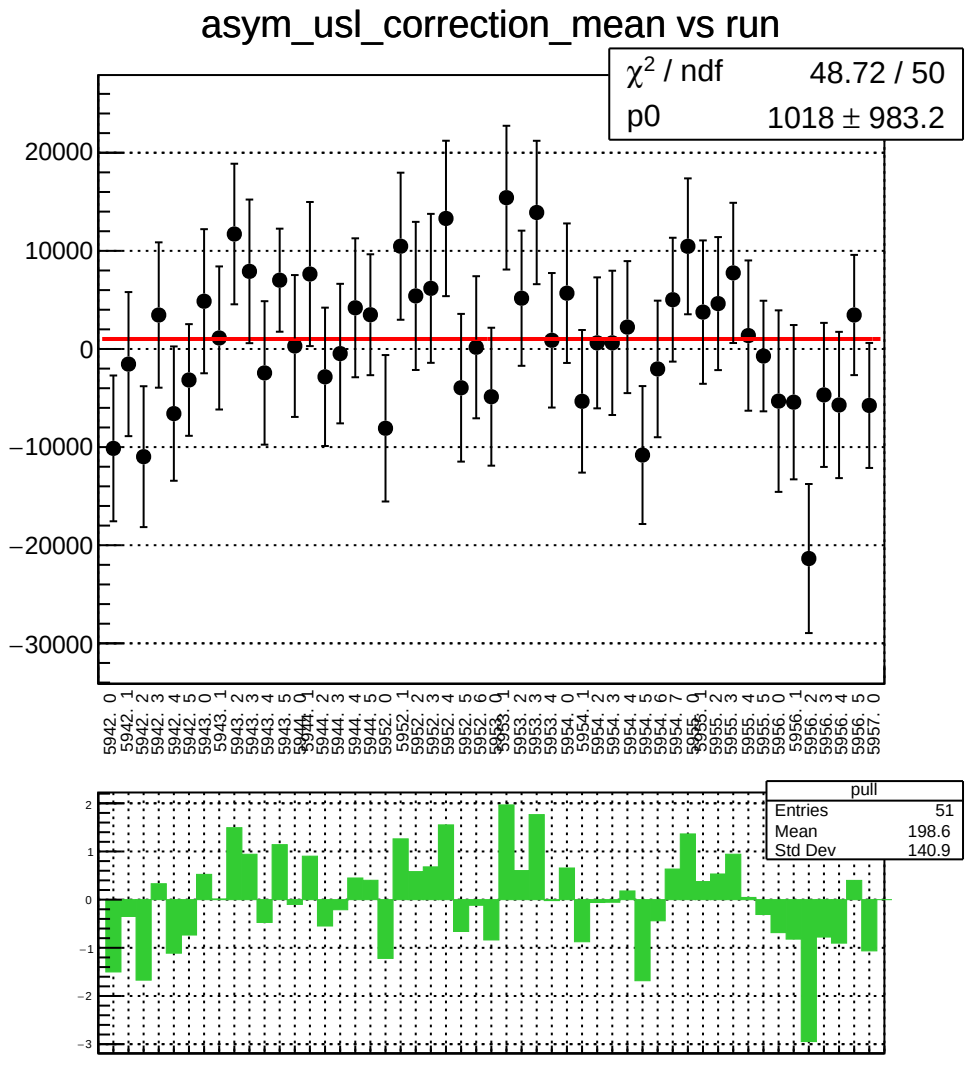

pull1D
Entries 51
Mean 0.0001658
Std Dev 1.052

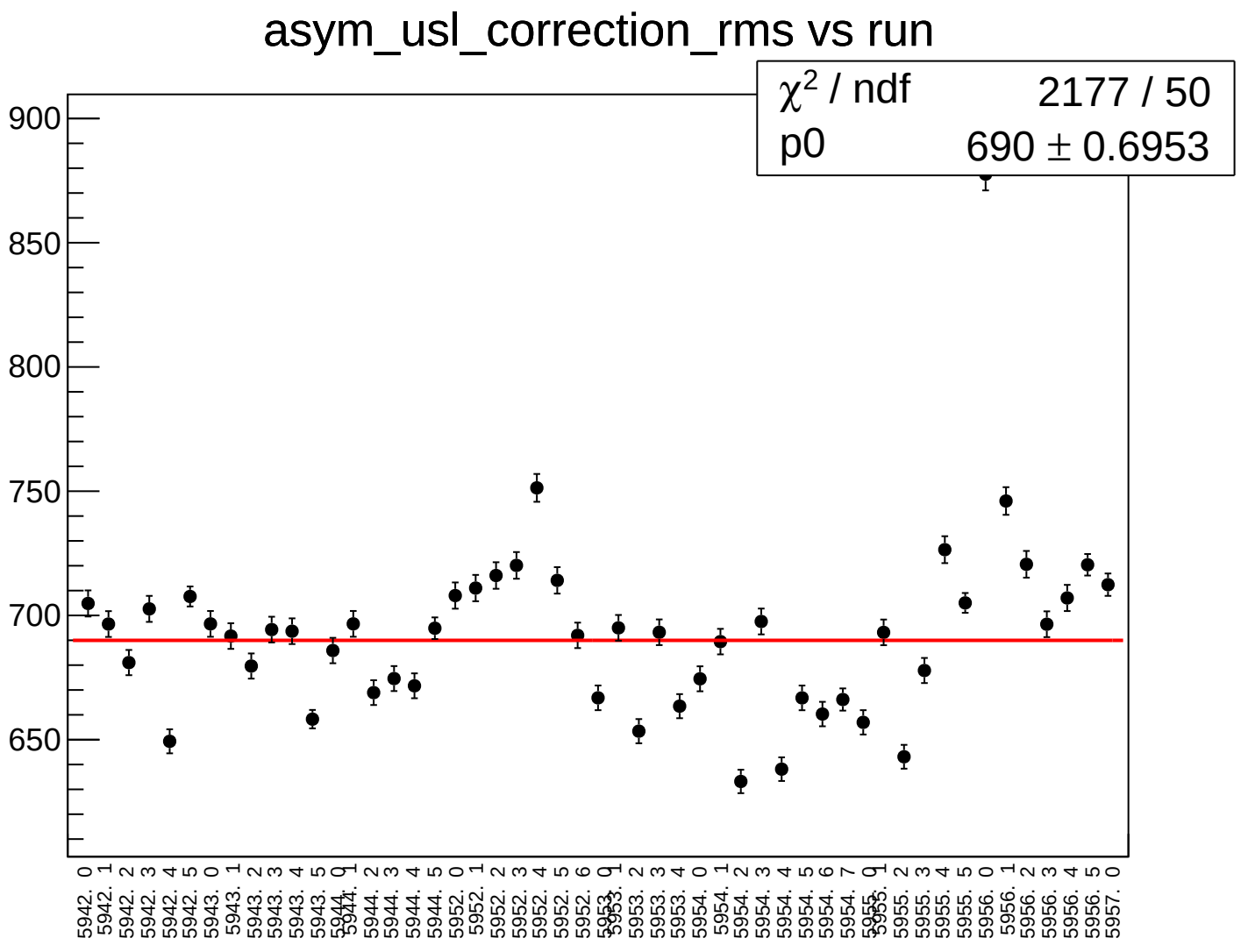

asym_ds_dd_rms vs run
χ² / ndf 111.6 / 50
p0 85.8 ± 0.08637
88
87
86
85
84
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 1
5953. 2
5953. 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

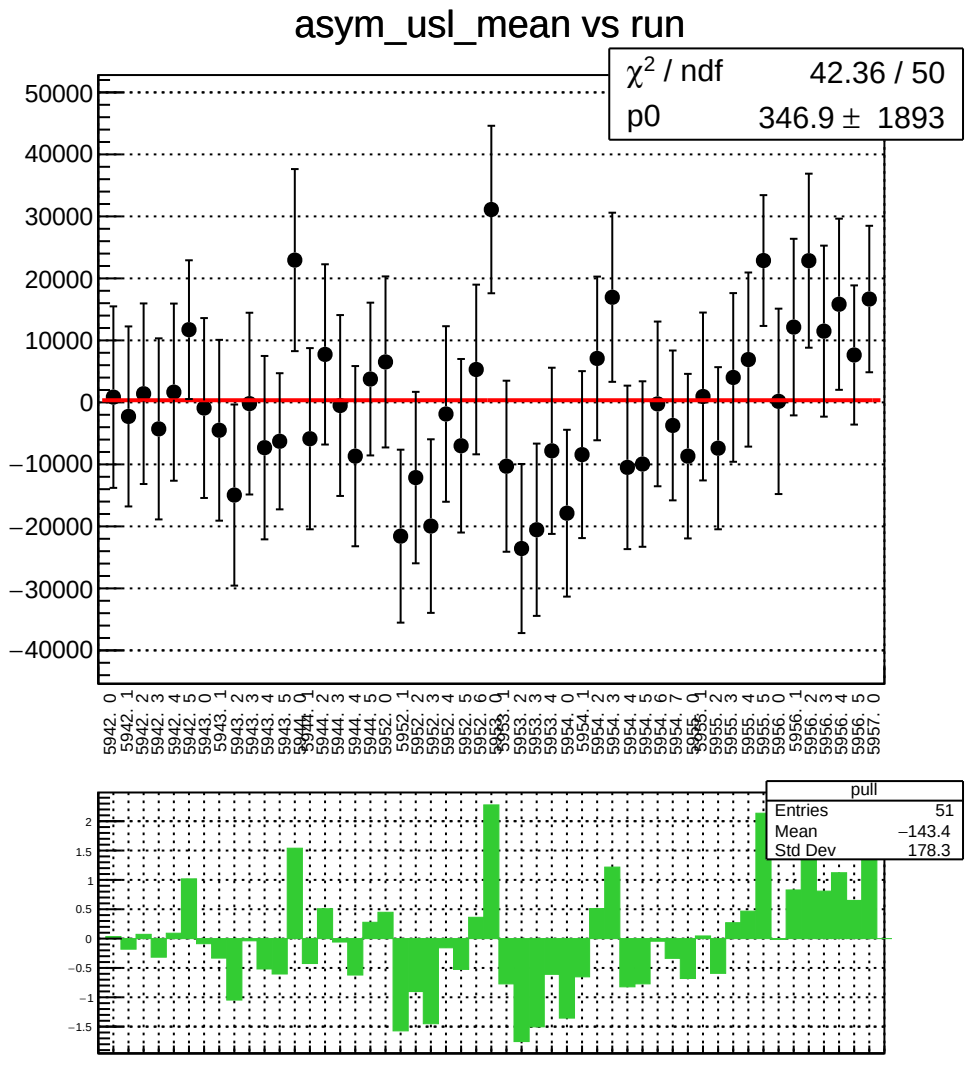

reg_asym_usl_mean vs run
χ² / ndf 41.4 / 50
p0 1333 ± 1614
pull
Entries 51
Mean −86.29
Std Dev 116.2

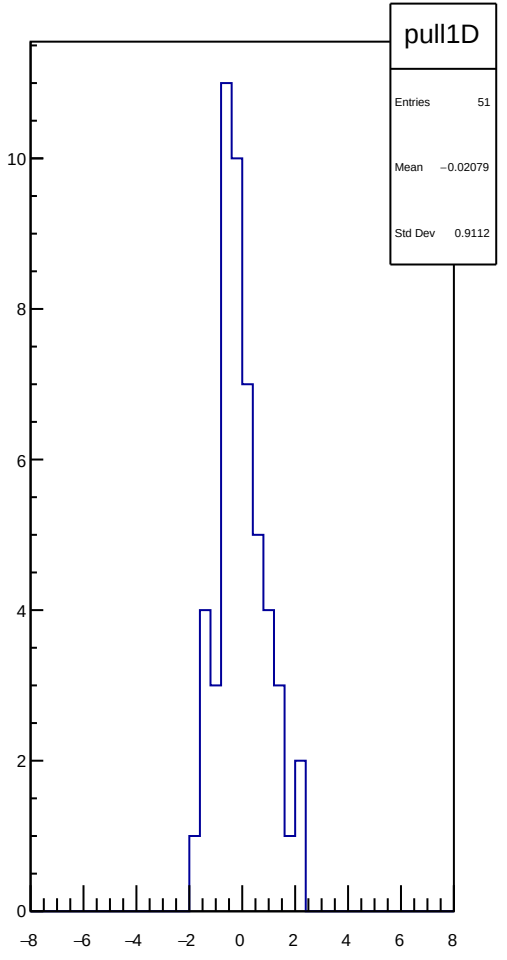

pull1D
Entries 51
Mean −0.02808
Std Dev 0.9005

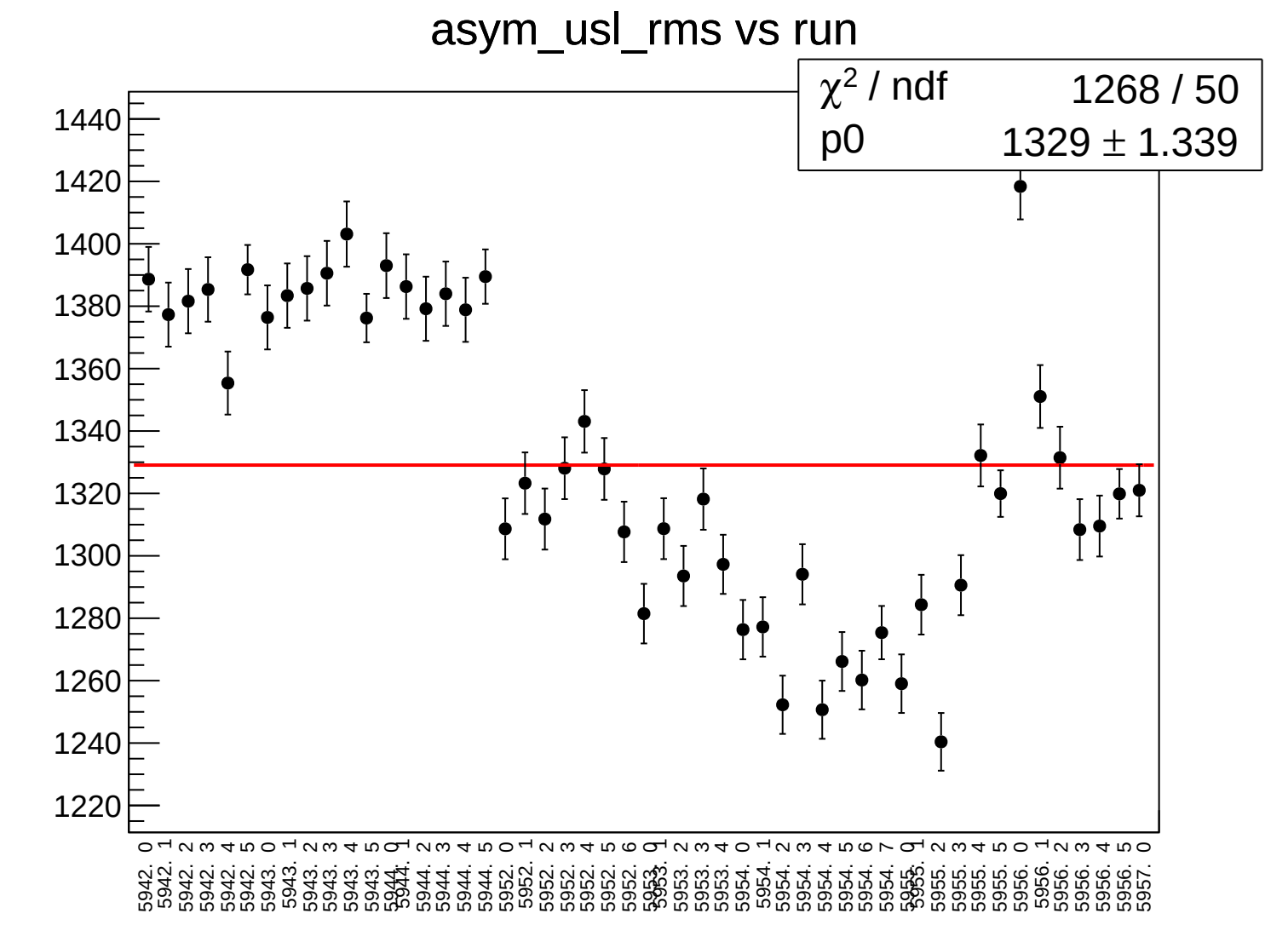

reg_asym_usl_rms vs run
χ² / ndf 1903 / 50
p0 1133 ± 1.141
1240
1220
1200
1180
1160
1140
1120
1100
1080
1060
1040
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 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

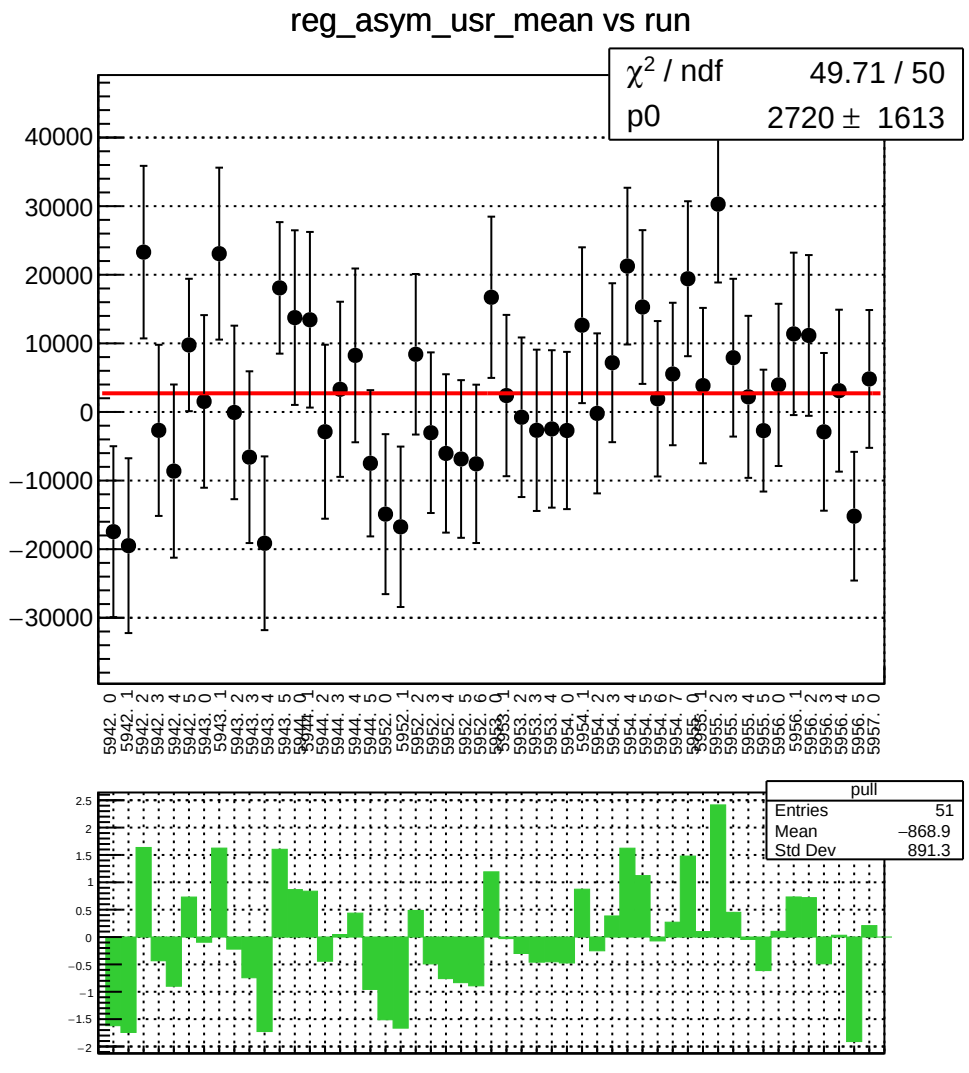

asym_usl_correction_mean vs run
χ^2 / ndf 48.72 / 50
p0 1018 ± 983.2
20000
10000
0
−10000
−20000
−30000
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5952. 9
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
pull
Entries 51
Mean 198.6
Std Dev 140.9
2
1
0
−1
−2
−3
pull1D
Entries 51
Mean −0.008233
Std Dev 0.9774
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

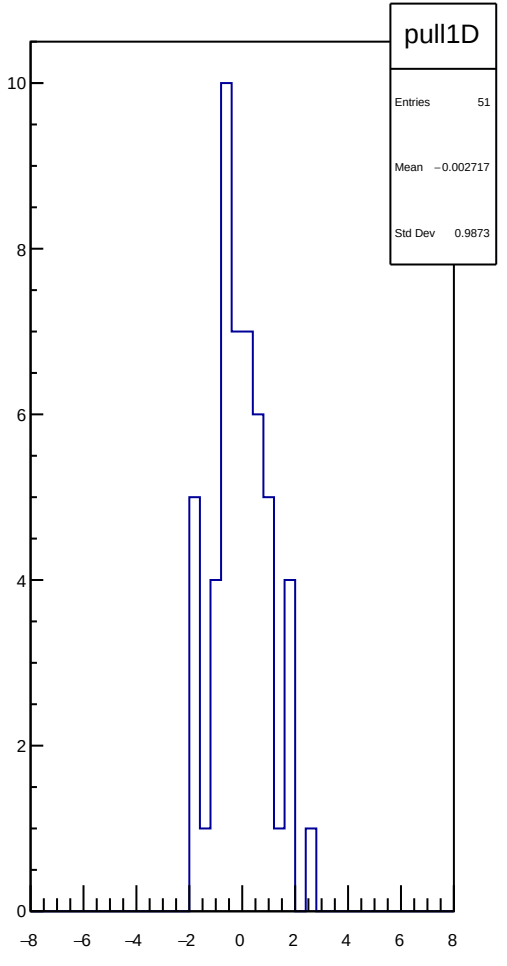

asym_usl_correction_rms vs run
χ^2 / ndf 2177 / 50
p0 690 ± 0.6953
900
850
800
750
700
650
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 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

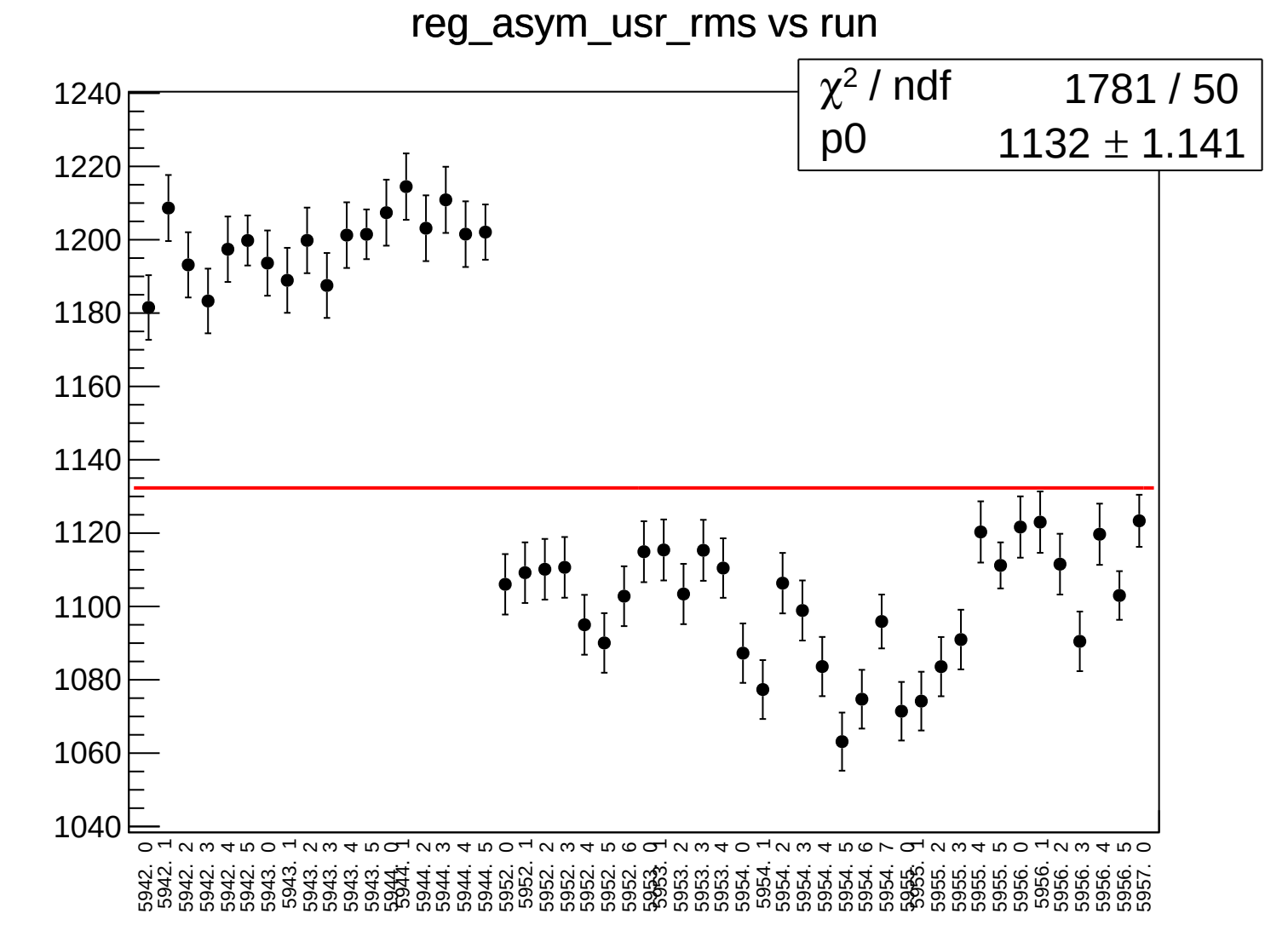

asym_usl_mean vs run
χ² / ndf 42.36 / 50
p0 346.9 ± 1893
pull
Entries 51
Mean −143.4
Std Dev 178.3

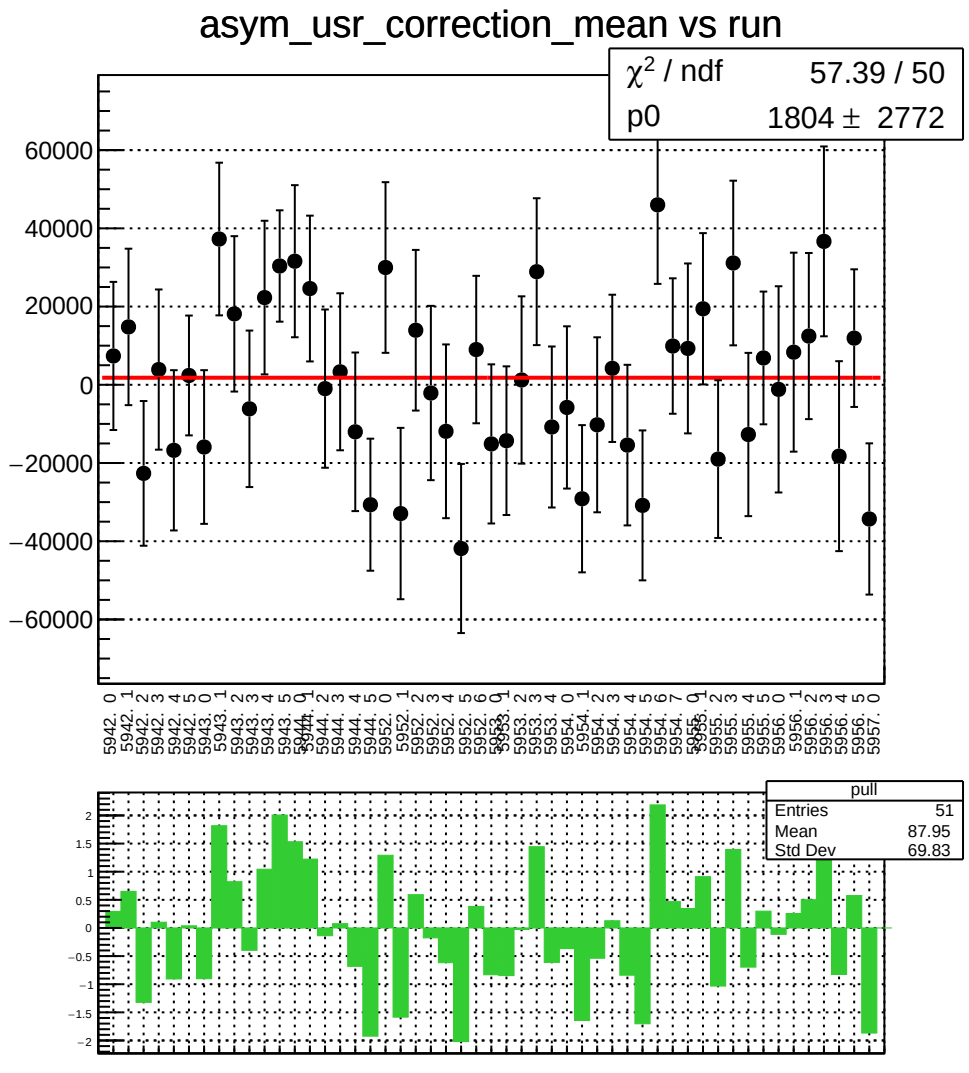

pull1D
Entries 51
Mean −0.02079
Std Dev 0.9112

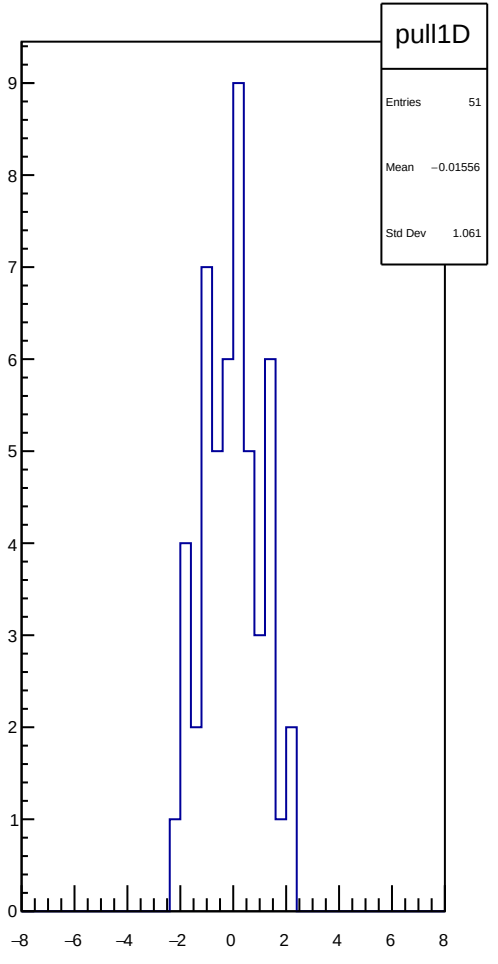

asym_usl_rms vs run
χ² / ndf 1268 / 50
p0 1329 ± 1.339
1440
1420
1400
1380
1360
1340
1320
1300
1280
1260
1240
1220
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 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

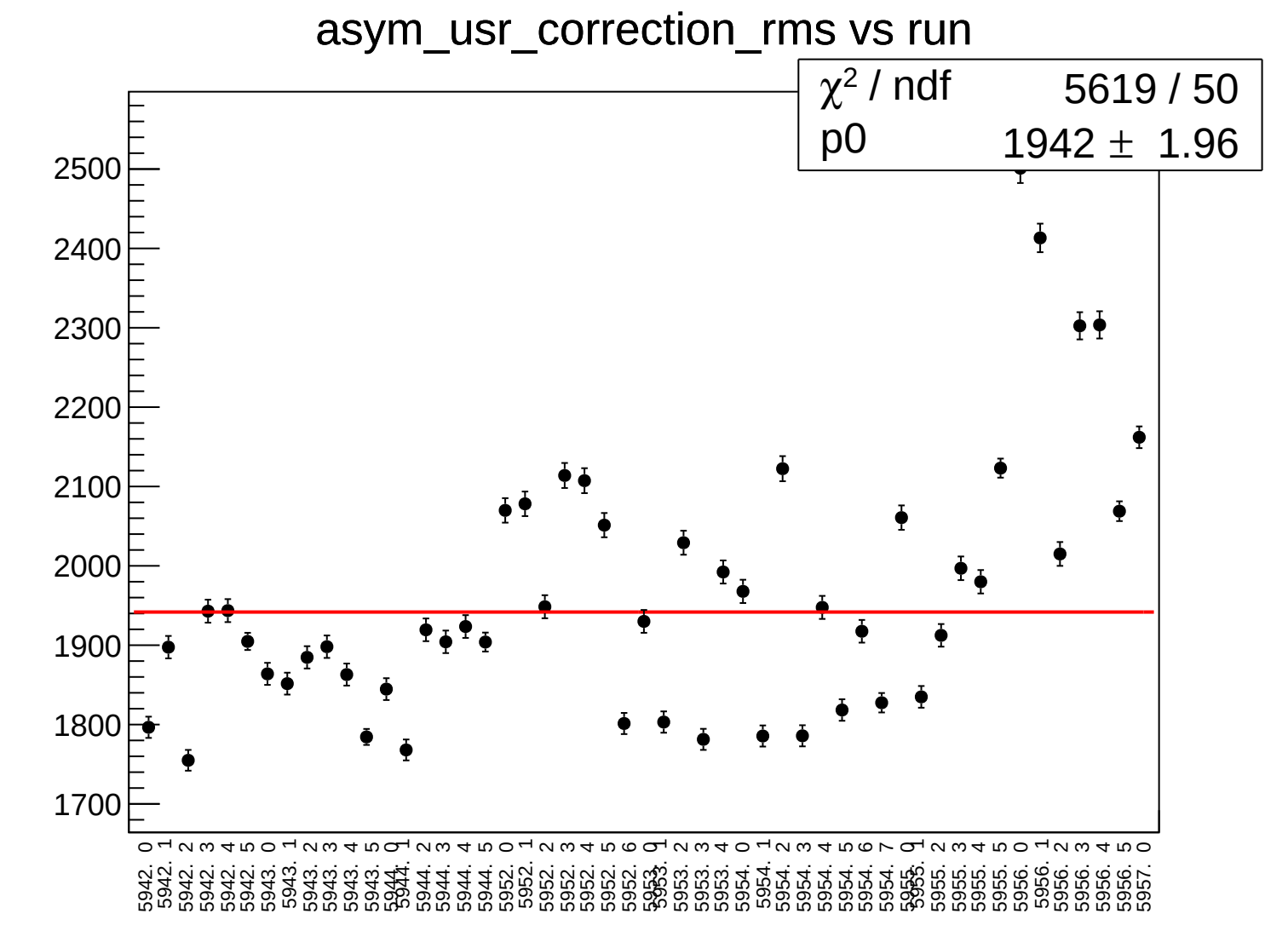

reg_asym_usr_mean vs run
χ² / ndf 49.71 / 50
p0 2720 ± 1613
pull
Entries 51
Mean −868.9
Std Dev 891.3

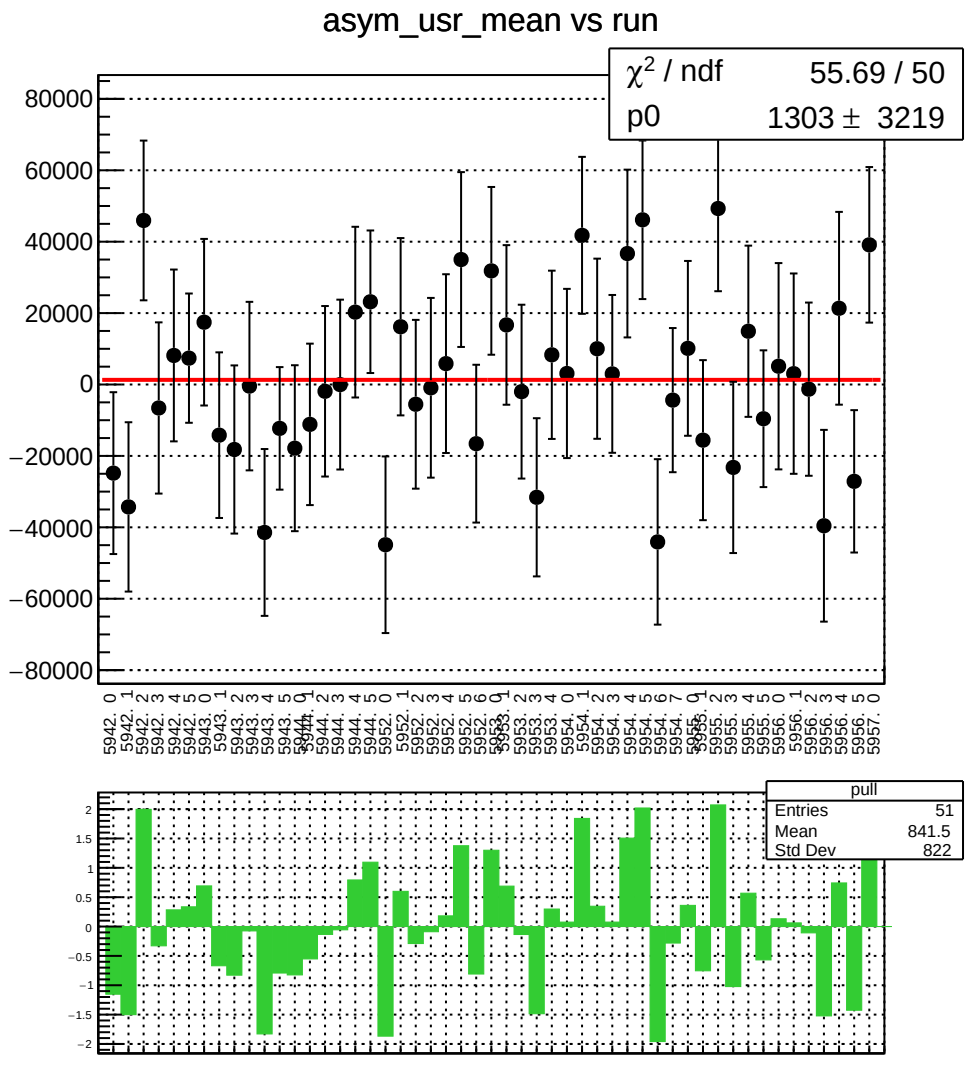

pull1D
Entries 51
Mean −0.002717
Std Dev 0.9873

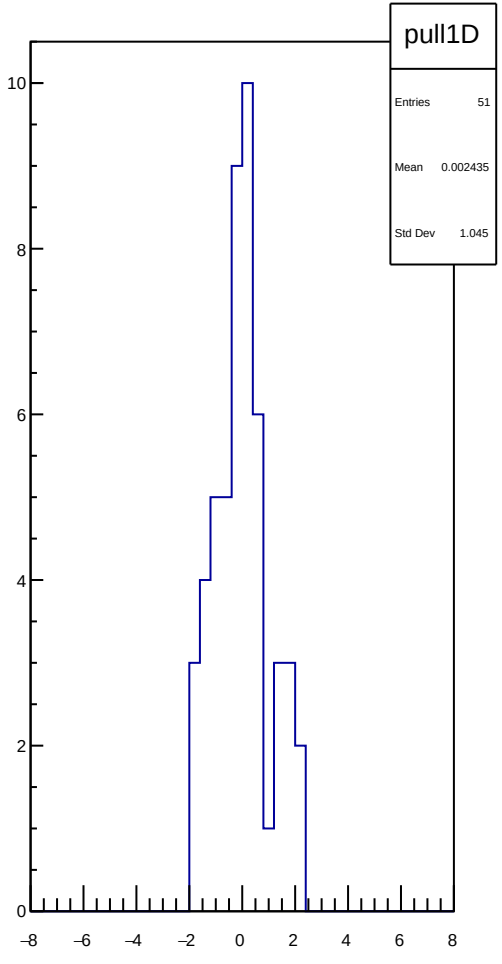

reg_asym_usr_rms vs run
χ² / ndf 1781 / 50
p0 1132 ± 1.141
1240
1220
1200
1180
1160
1140
1120
1100
1080
1060
1040
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 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

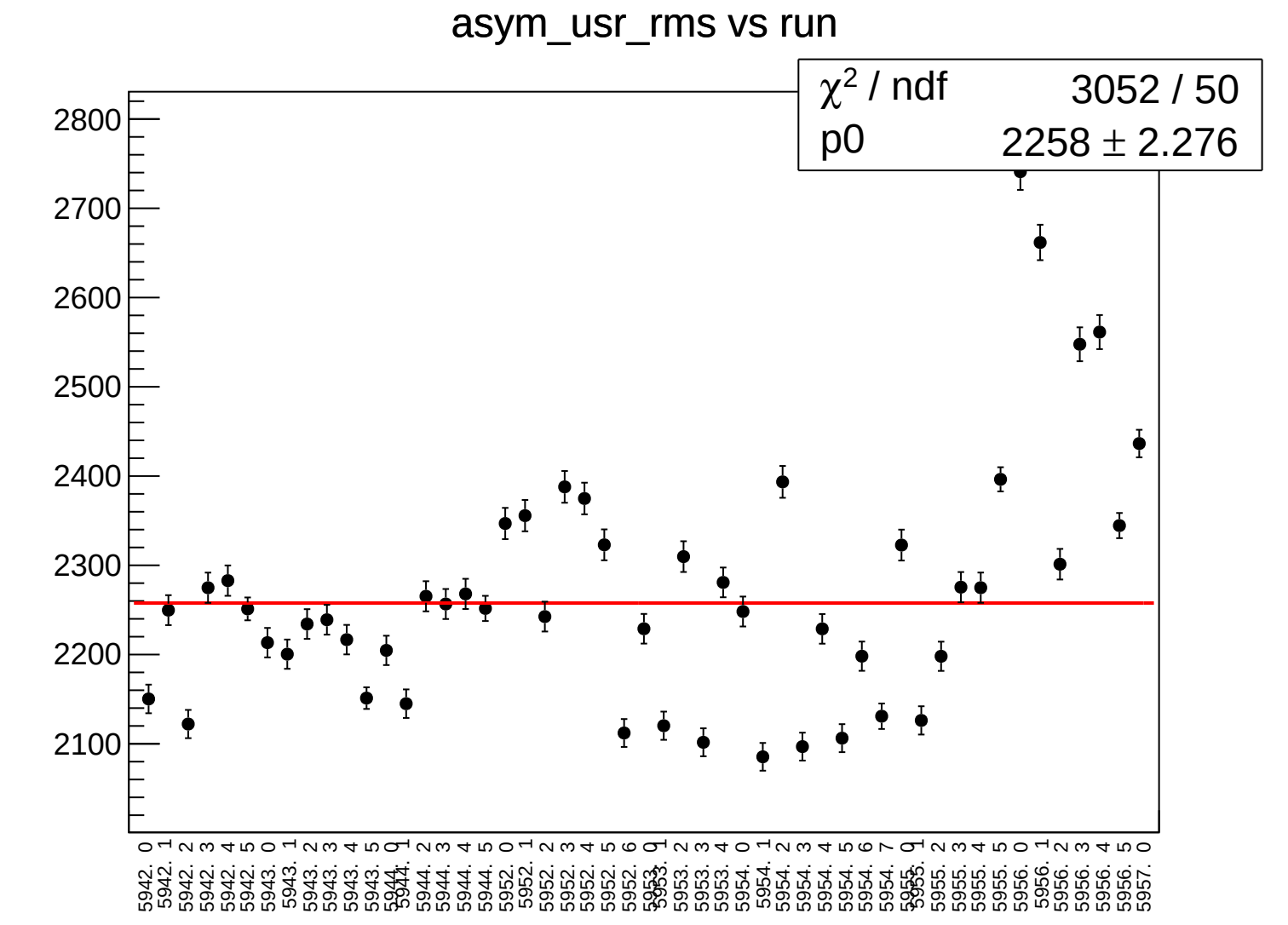

asym_usr_correction_mean vs run
χ² / ndf 57.39 / 50
p0 1804 ± 2772
pull
Entries 51
Mean 87.95
Std Dev 69.83

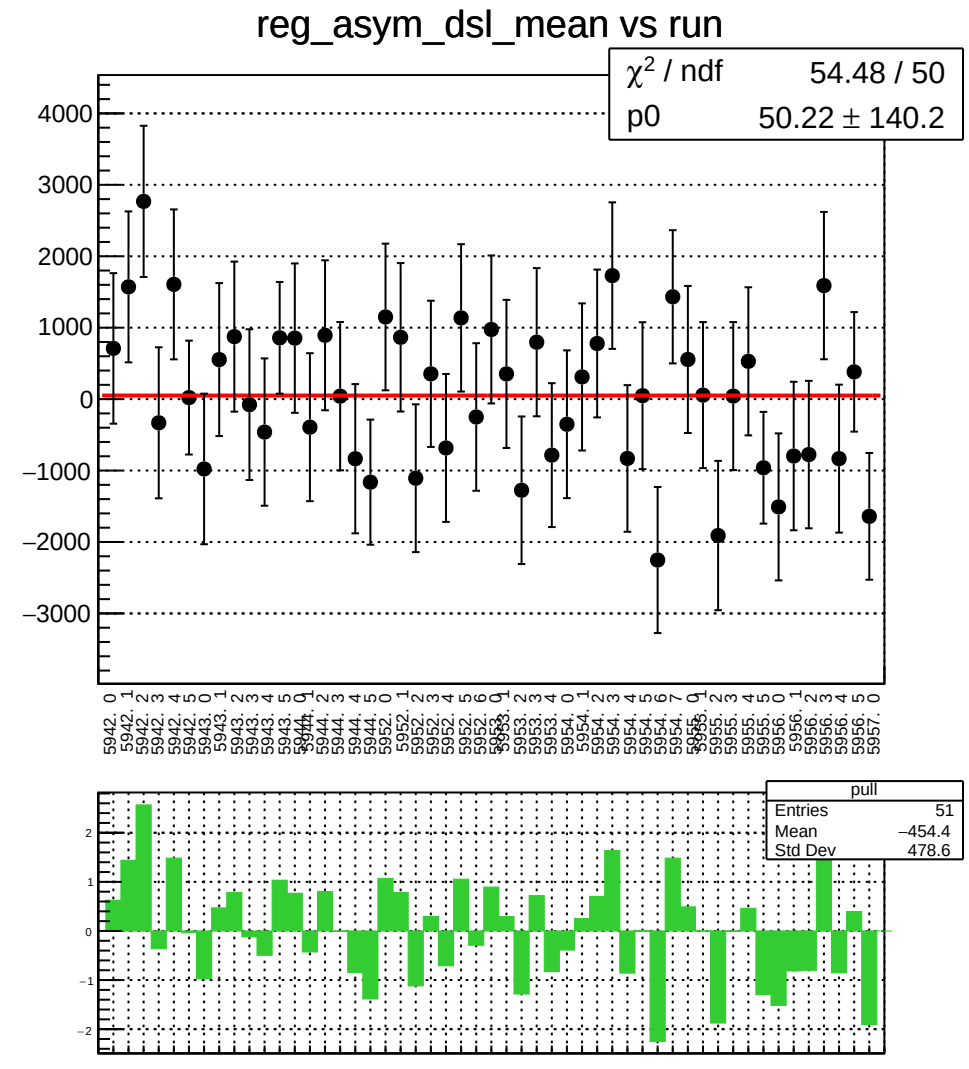

pull1D
Entries 51
Mean −0.01556
Std Dev 1.061

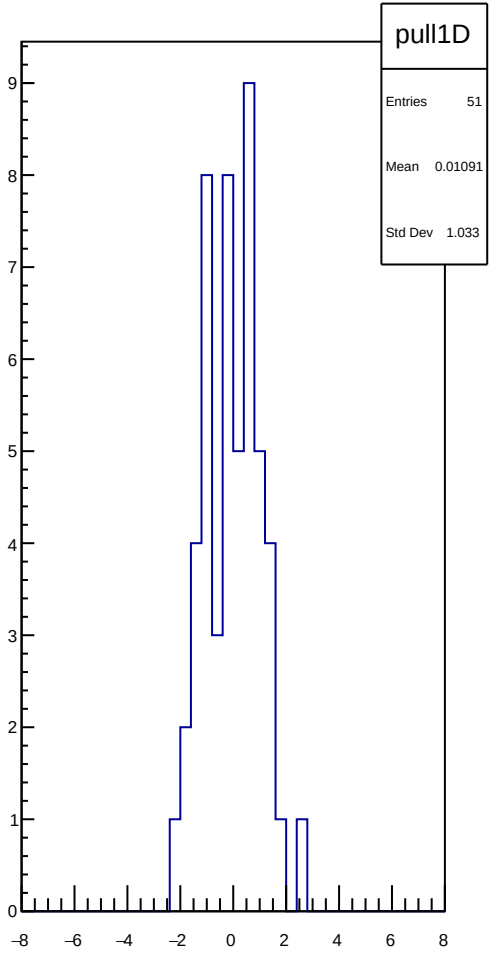

asym_usr_correction_rms vs run
χ² / ndf 5619 / 50
p0 1942 ± 1.96
2500
2400
2300
2200
2100
2000
1900
1800
1700
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
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

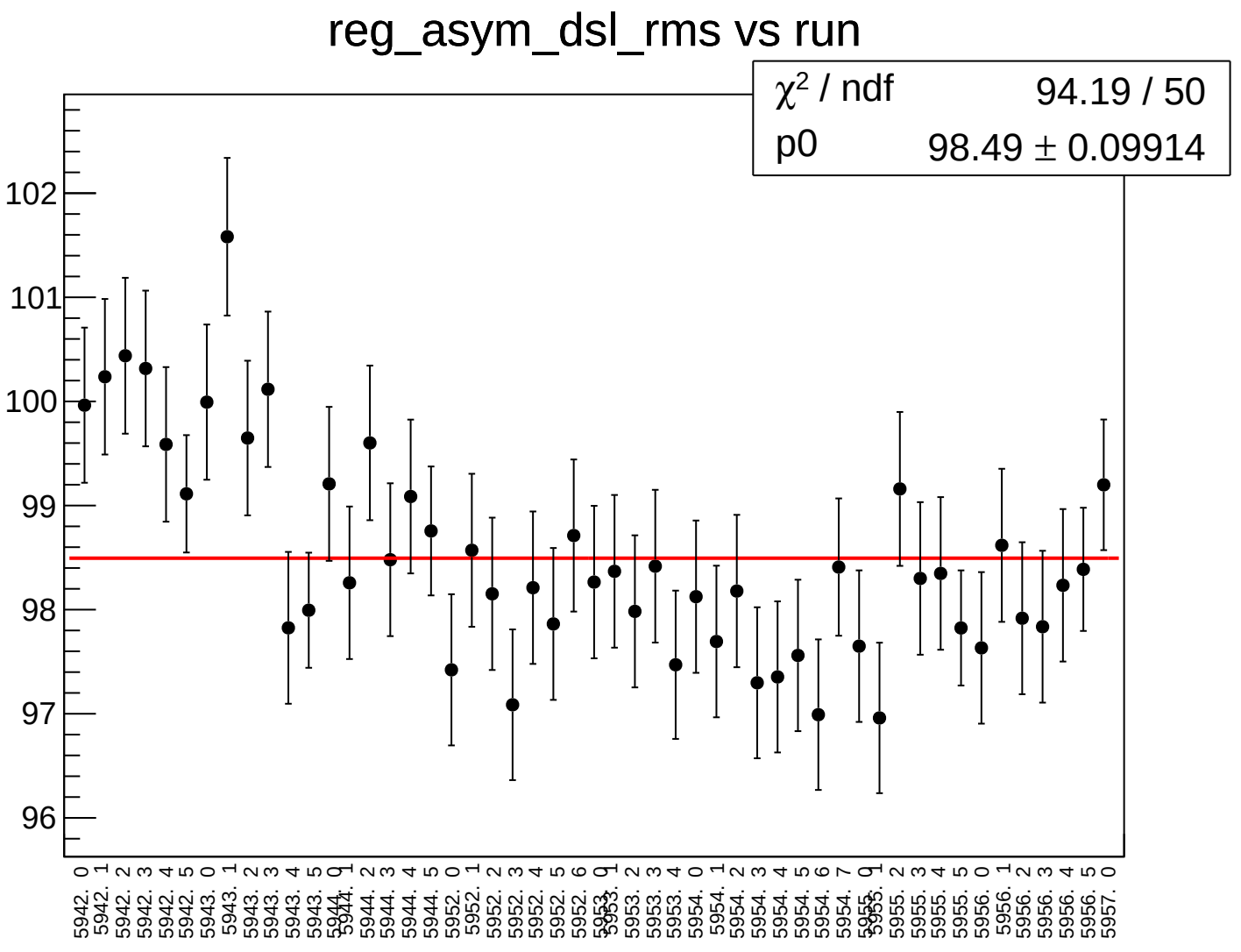

asym_usr_mean vs run
χ² / ndf 55.69 / 50
p0 1303 ± 3219
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 51
Mean 841.5
Std Dev 822
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

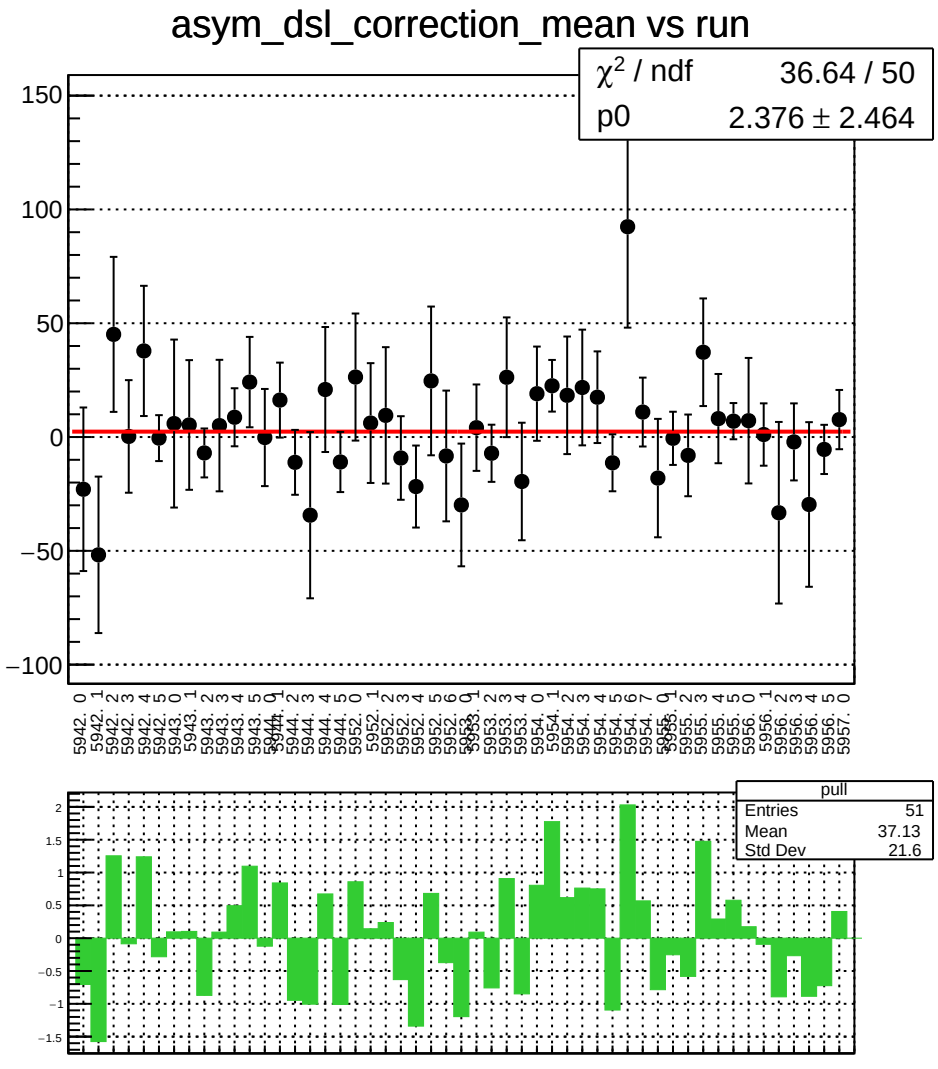

pull1D
Entries 51
Mean 0.002435
Std Dev 1.045
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

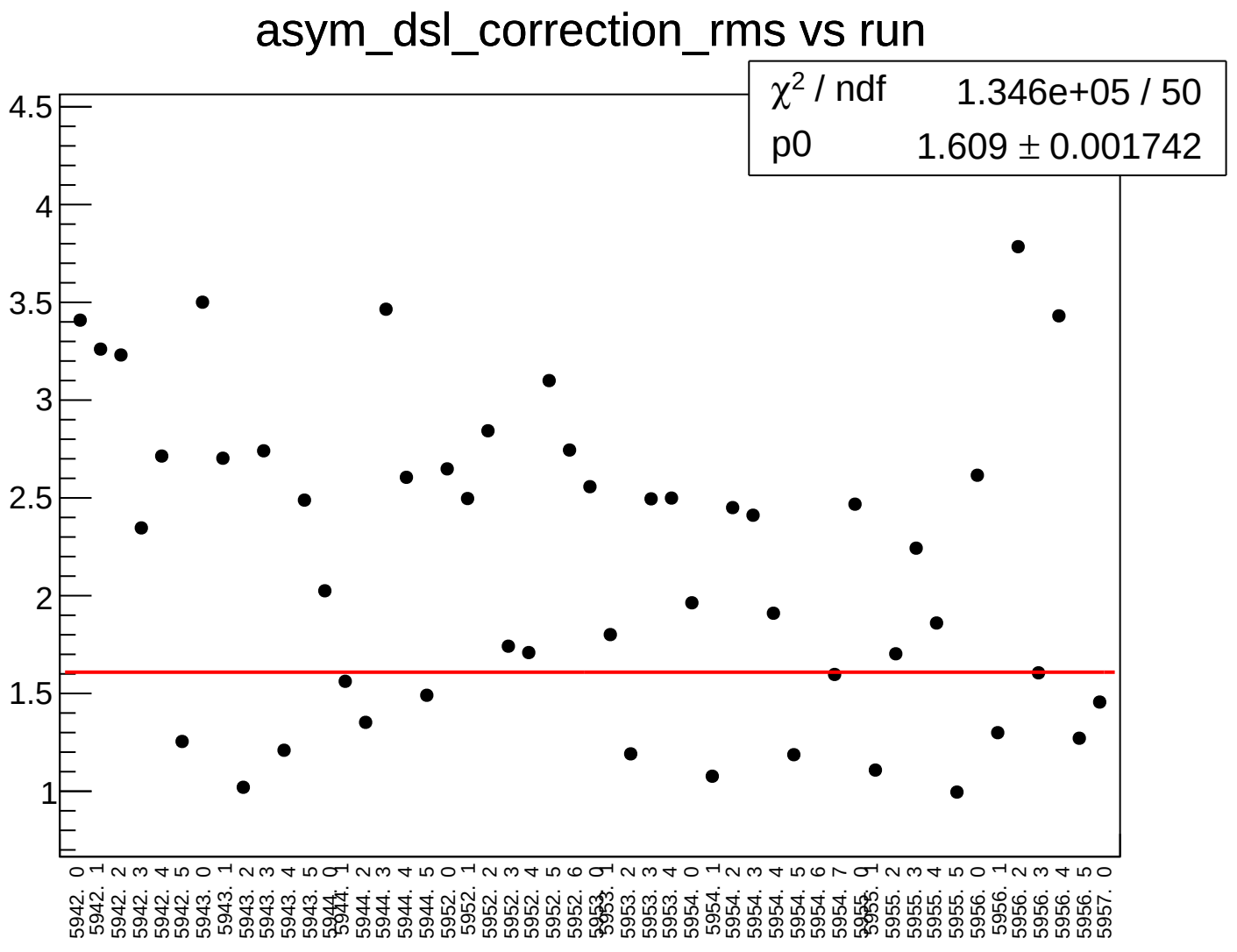

asym_usr_rms vs run
χ² / ndf 3052 / 50
p0 2258 ± 2.276
2800
2700
2600
2500
2400
2300
2200
2100
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 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

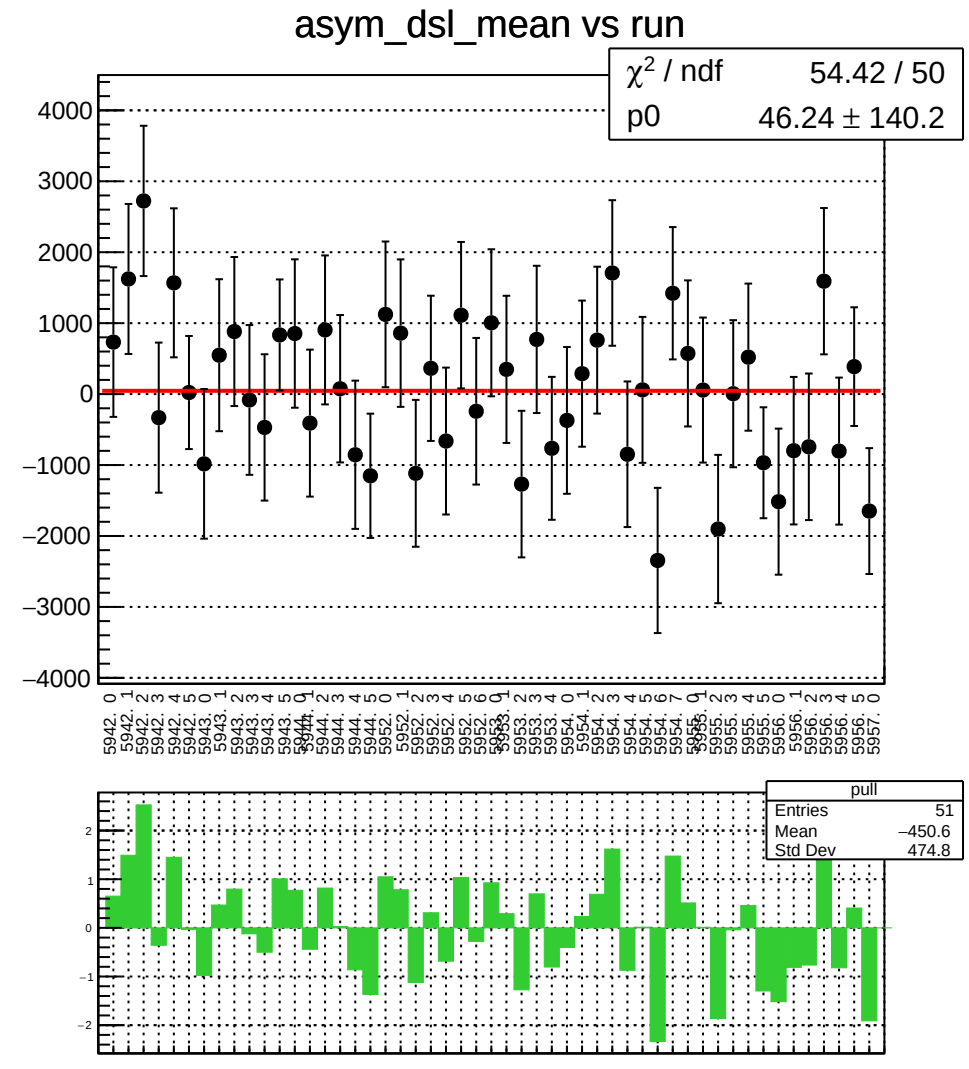

reg_asym_dsl_mean vs run
χ² / ndf 54.48 / 50
p0 50.22 ± 140.2
pull
Entries 51
Mean −454.4
Std Dev 478.6

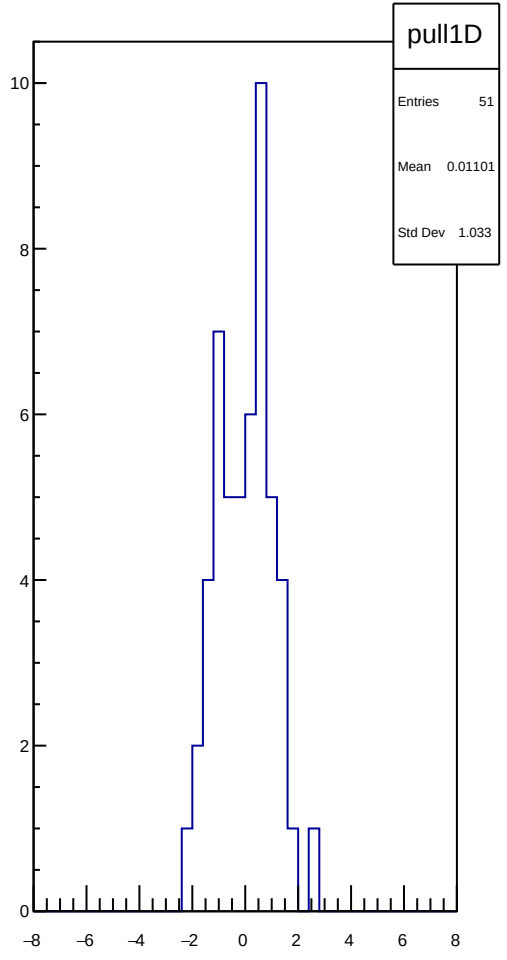

pull1D
Entries 51
Mean 0.01091
Std Dev 1.033

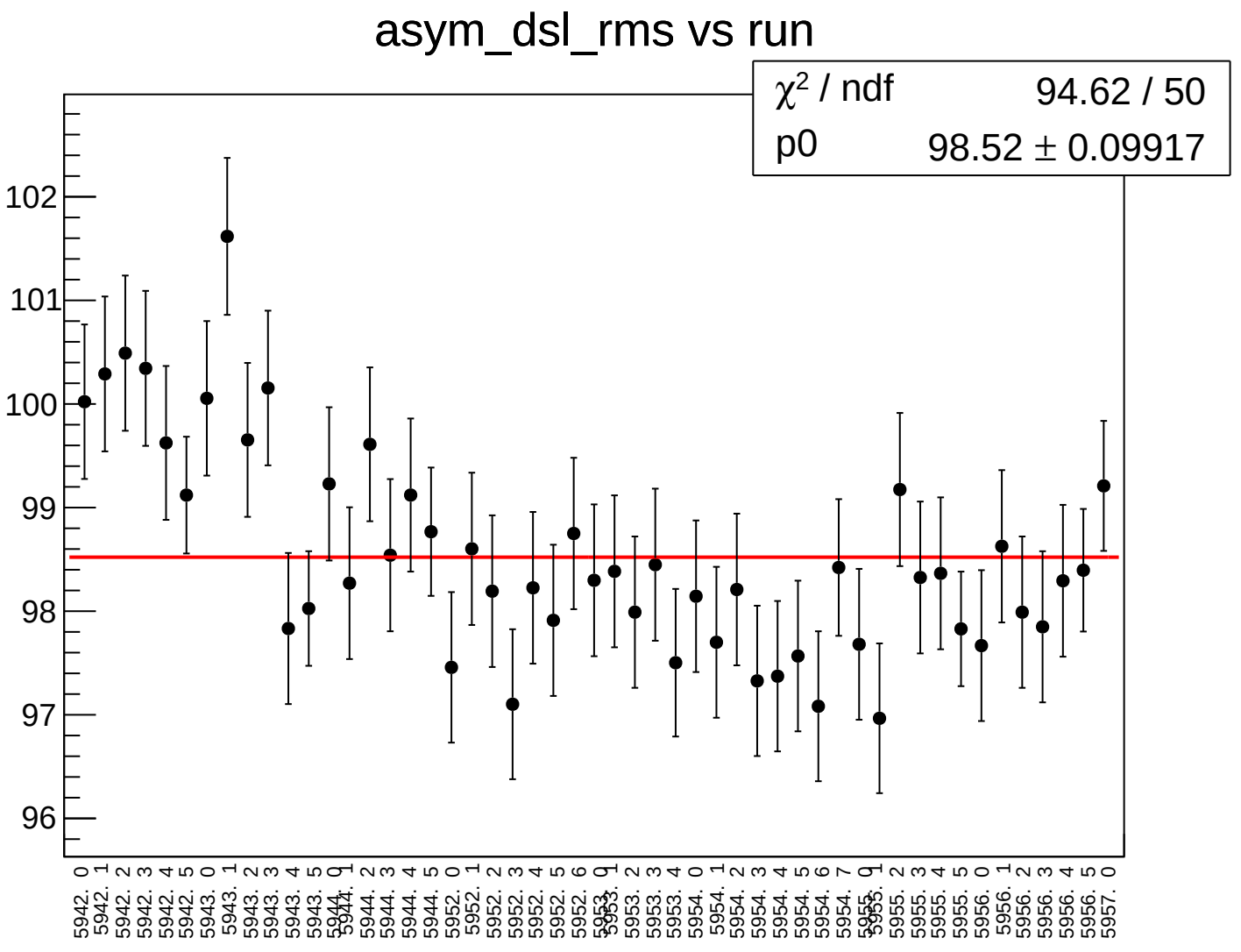

reg_asym_dsl_rms vs run
χ² / ndf 94.19 / 50
p0 98.49 ± 0.09914
102
101
100
99
98
97
96
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 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

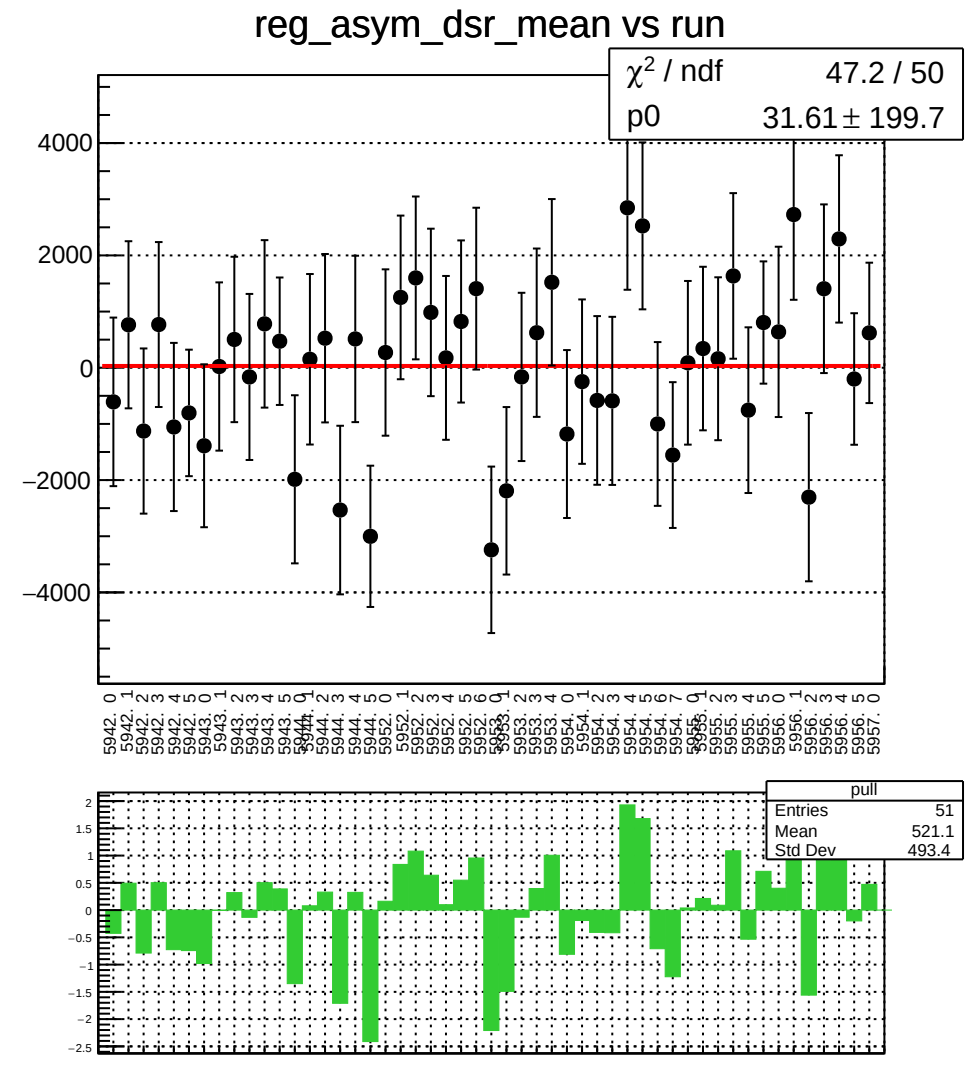

asym_dsl_correction_mean vs run
χ² / ndf 36.64 / 50
p0 2.376 ± 2.464
150
100
50
0
−50
−100
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5952. 9
5953. 1
5953. 2
5953. 3
5953. 4
5953. 5
5954. 0
5954. 1
5954. 2
5954. 3
5954. 4
5954. 5
5954. 6
5954. 7
5954. 9
5955. 1
5955. 2
5955. 3
5955. 4
5955. 5
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5956. 6
5957. 0
pull
Entries 51
Mean 37.13
Std Dev 21.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 51
Mean 0.03399
Std Dev 0.8469
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

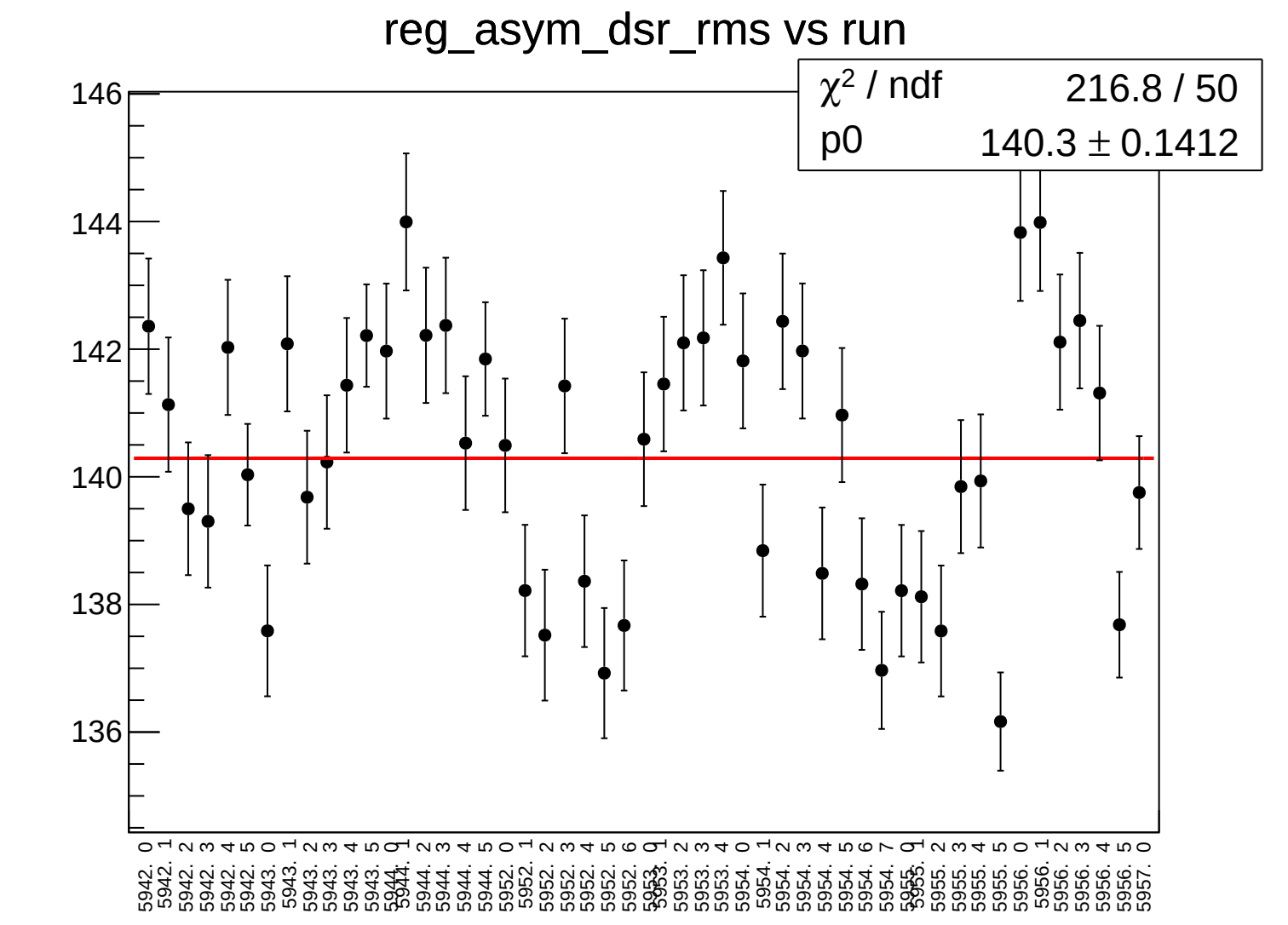

asym_dsl_correction_rms vs run
χ² / ndf 1.346e+05 / 50
p0 1.609 ± 0.001742
4.5
4
3.5
3
2.5
2
1.5
1
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 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

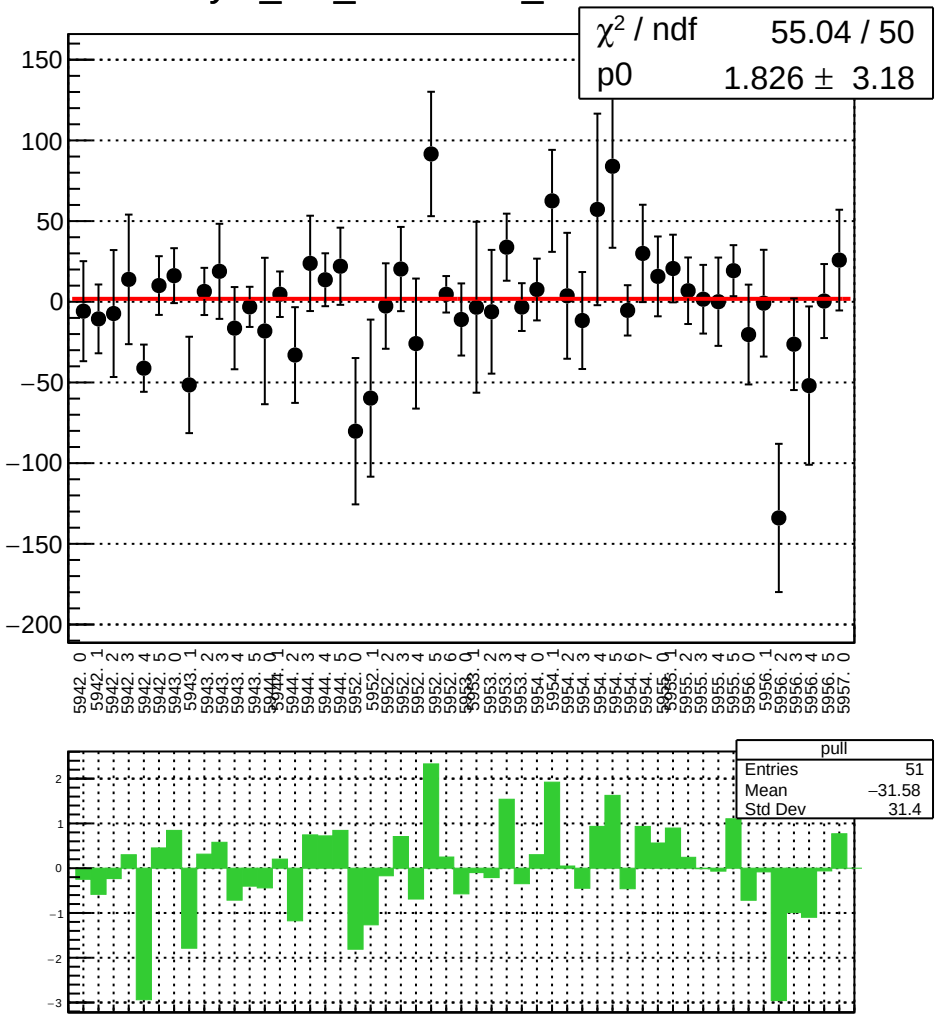

asym_dsl_mean vs run
χ² / ndf 54.42 / 50
p0 46.24 ± 140.2
pull
Entries 51
Mean −450.6
Std Dev 474.8

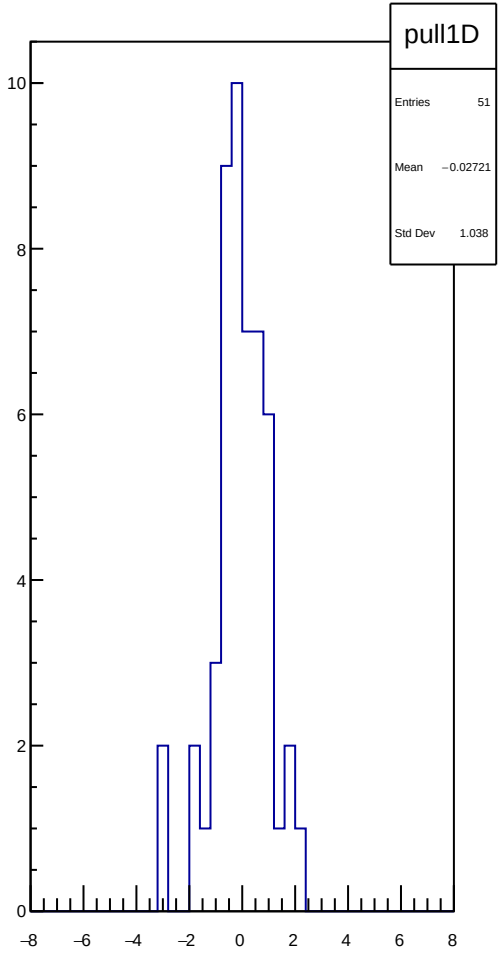

pull1D
Entries 51
Mean 0.01101
Std Dev 1.033

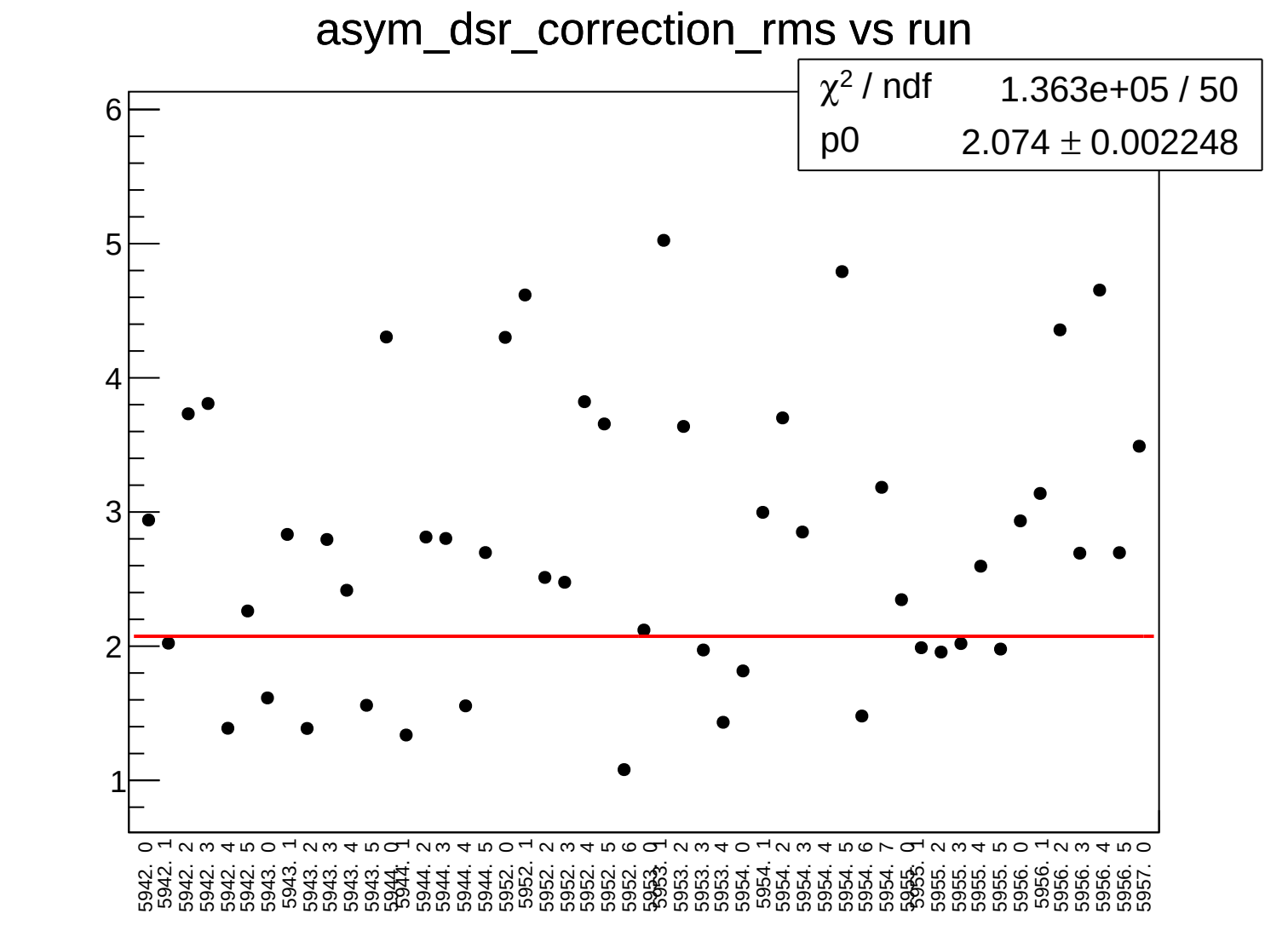

asym_dsl_rms vs run
χ^2 / ndf 94.62 / 50
p0 98.52 ± 0.09917
102
101
100
99
98
97
96
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 1
5953. 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

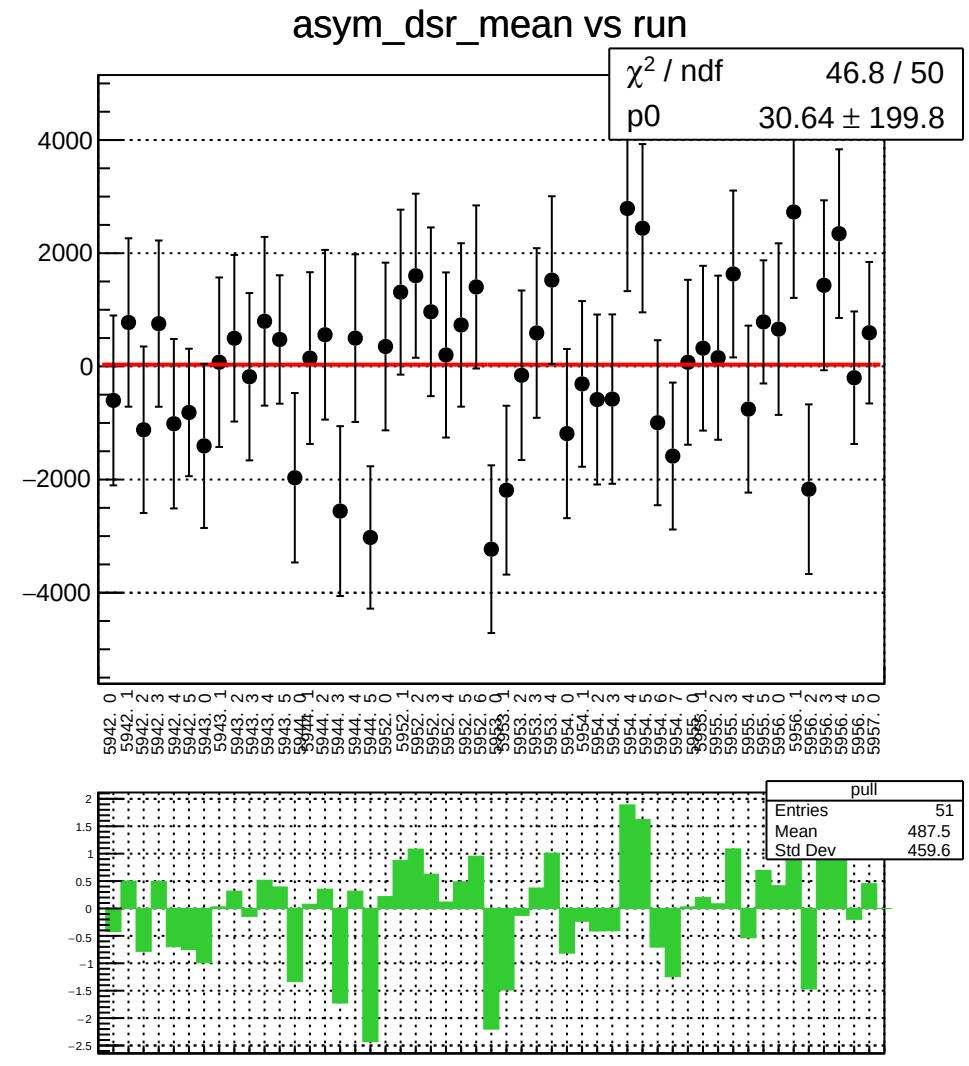

reg_asym_dsr_mean vs run
χ² / ndf 47.2 / 50
p0 31.61 ± 199.7
4000
2000
0
−2000
−4000
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5952. 9
5953. 1
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
pull
Entries 51
Mean 521.1
Std Dev 493.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 51
Mean 0.006748
Std Dev 0.962
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

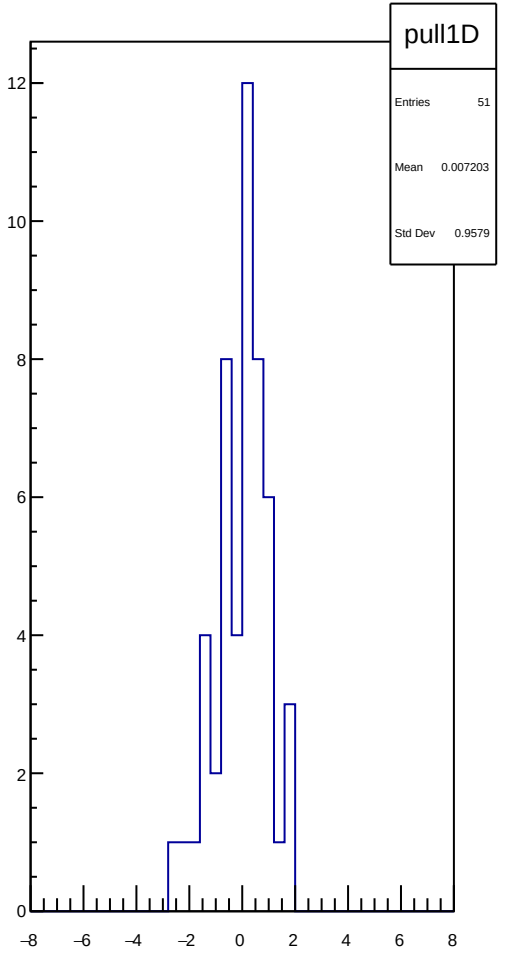

reg_asym_dsr_rms vs run
χ^2 / ndf 216.8 / 50
p0 140.3 ± 0.1412
146
144
142
140
138
136
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 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

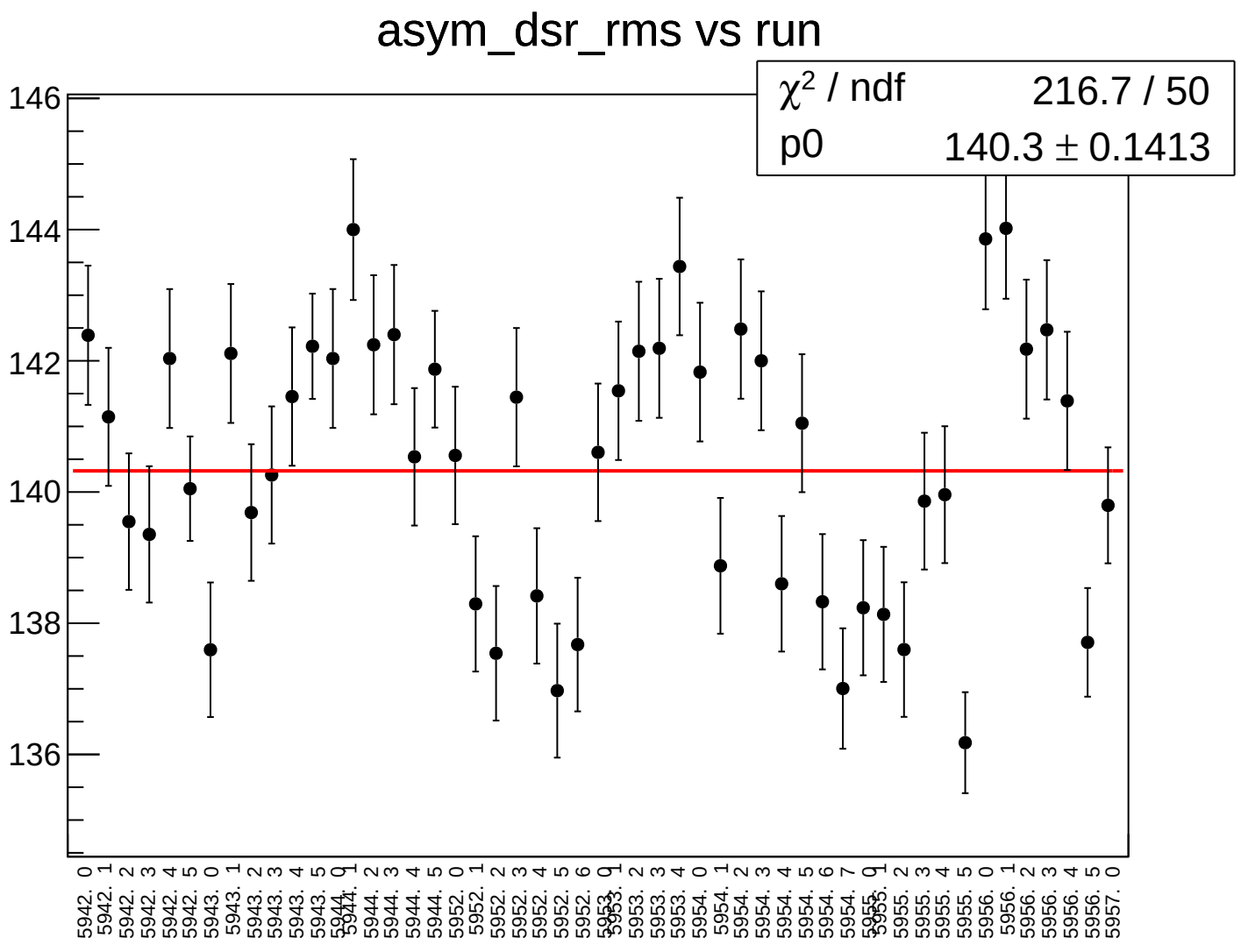

asym_dsr_correction_mean vs run
χ² / ndf 55.04 / 50
p0 1.826 ± 3.18
150
100
50
0
−50
−100
−150
−200
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5952. 9
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
5956. 6
5957. 0
pull
Entries 51
Mean −31.58
Std Dev 31.4
2
1
0
−1
−2
−3

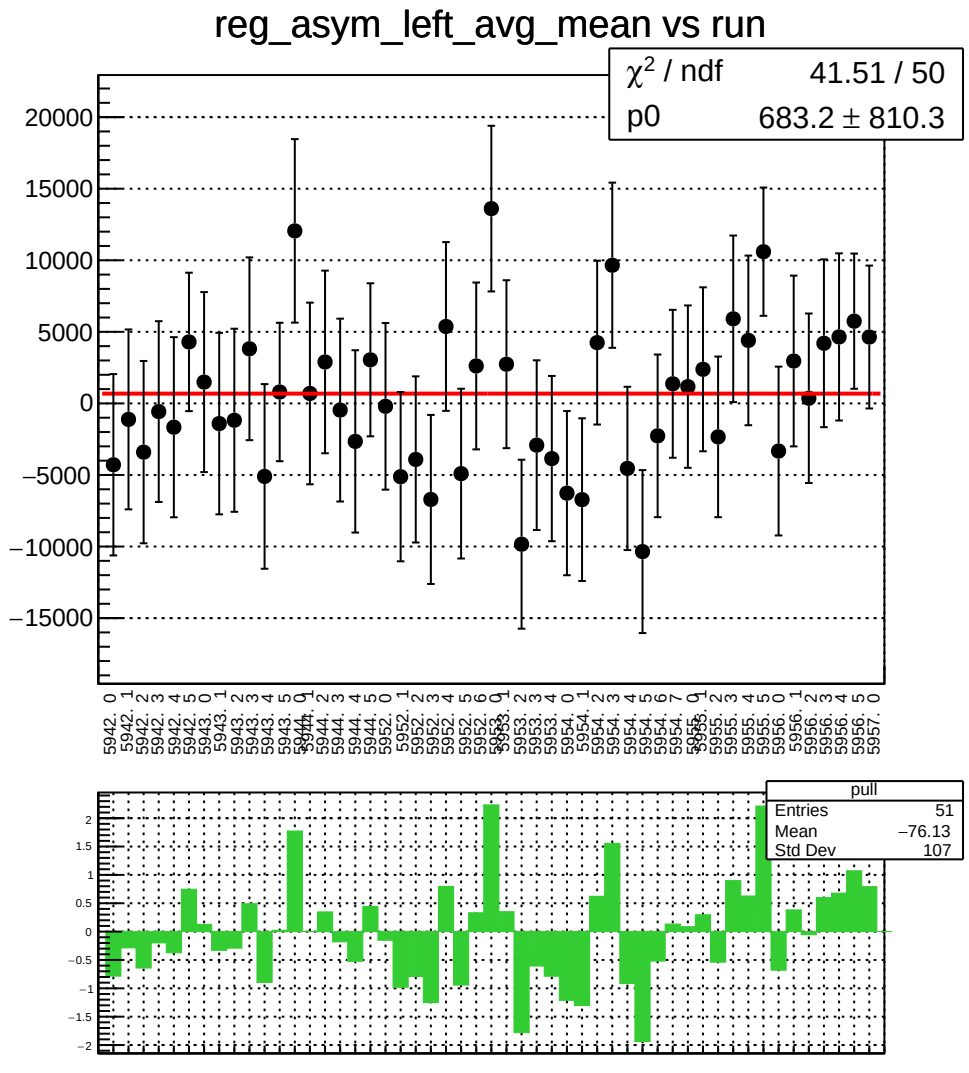

pull1D
Entries 51
Mean −0.02721
Std Dev 1.038
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

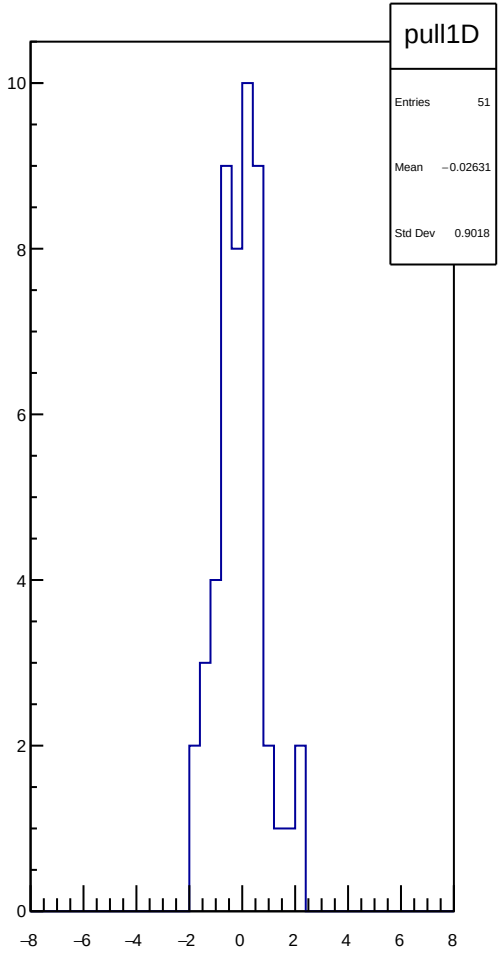

asym_dsr_correction_rms vs run
χ^2 / ndf 1.363e+05 / 50
p0 2.074 ± 0.002248
6
5
4
3
2
1
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 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

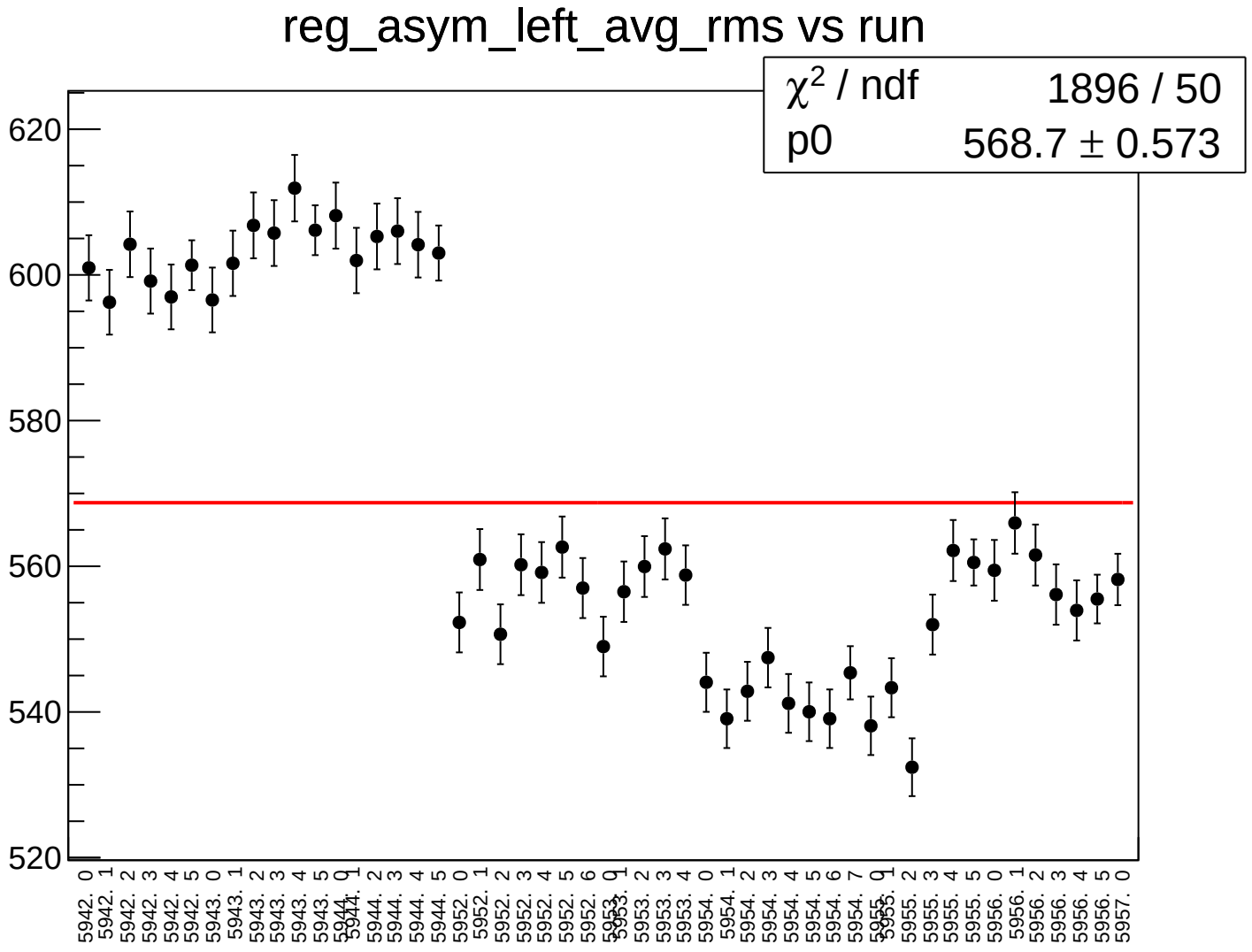

asym_dsr_mean vs run
χ² / ndf 46.8 / 50
p0 30.64 ± 199.8
4000
2000
0
−2000
−4000
pull
Entries 51
Mean 487.5
Std Dev 459.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

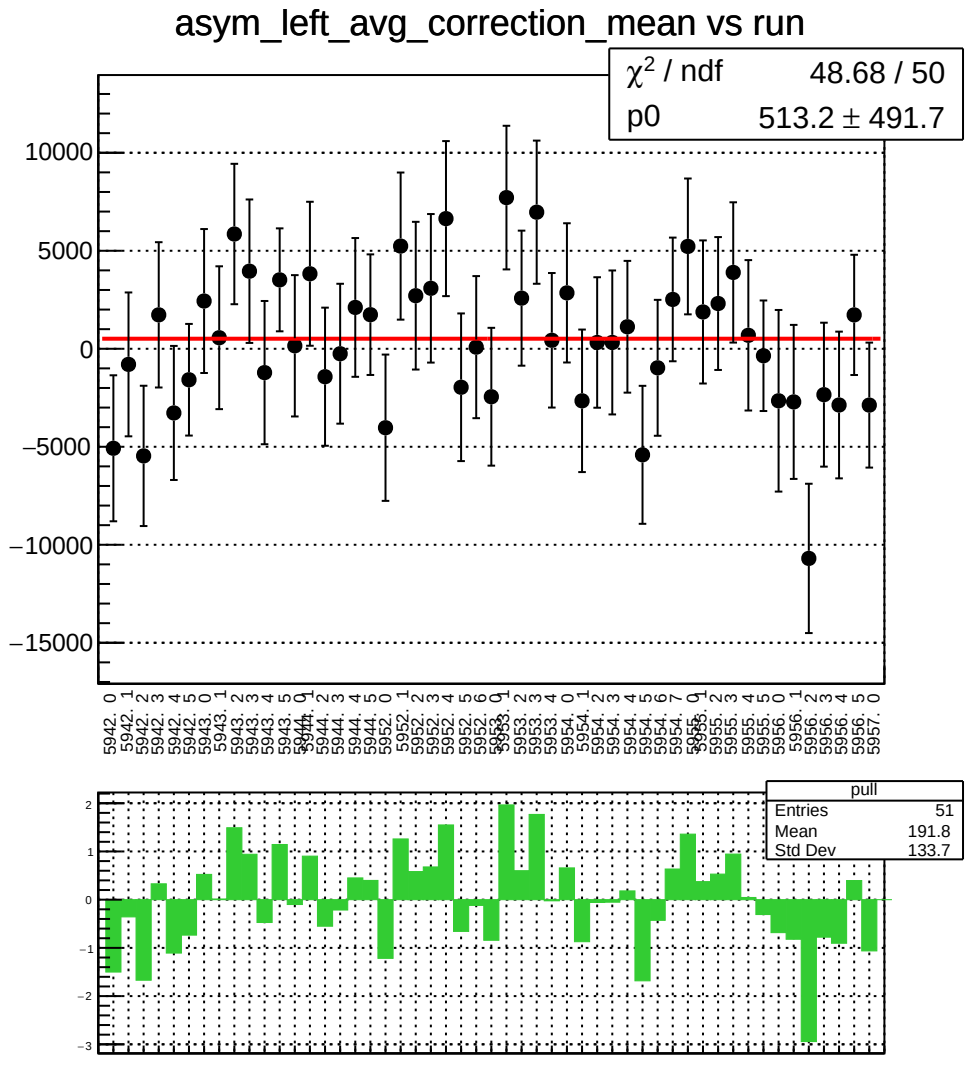

pull1D
Entries 51
Mean 0.007203
Std Dev 0.9579
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

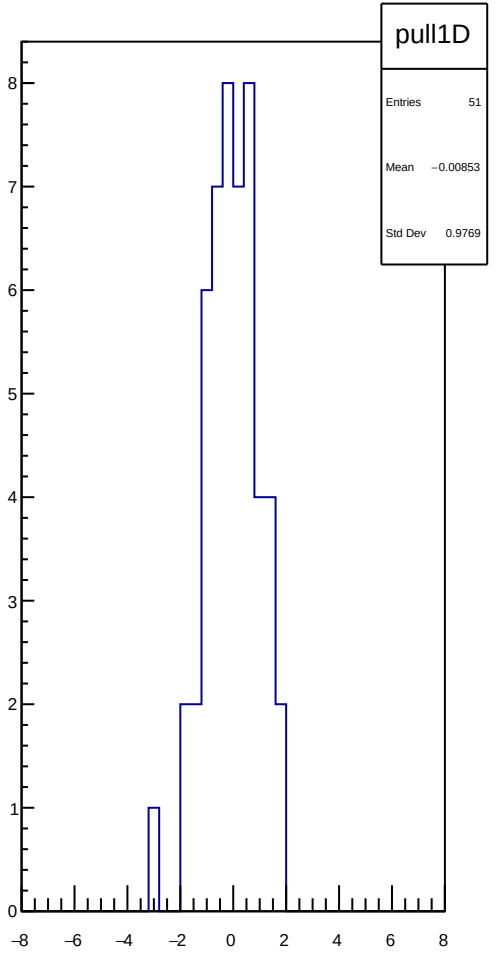

asym_dsr_rms vs run
χ² / ndf 216.7 / 50
p0 140.3 ± 0.1413
146
144
142
140
138
136
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 1
5953. 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

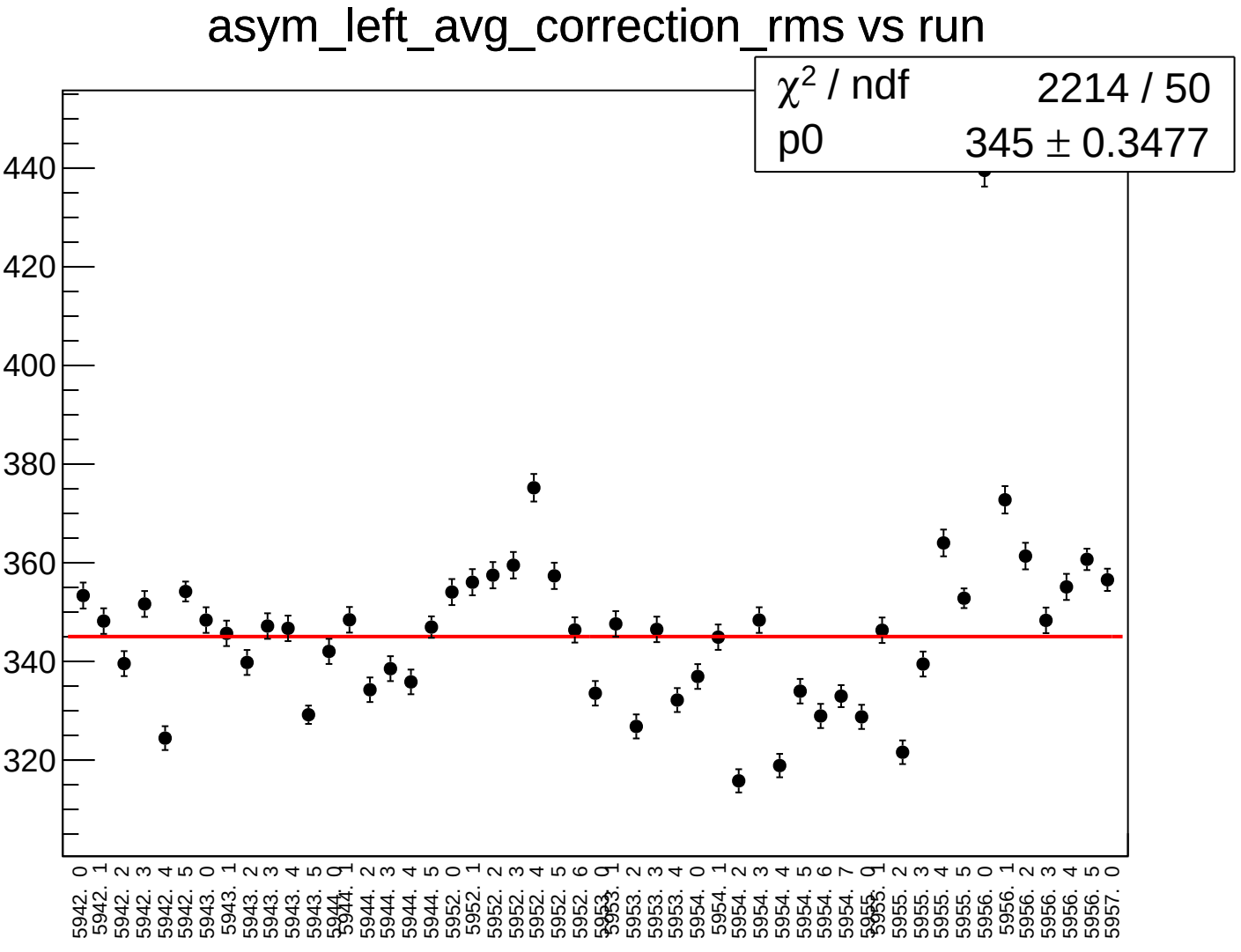

reg_asym_left_avg_mean vs run
χ² / ndf 41.51 / 50
p0 683.2 ± 810.3
pull
Entries 51
Mean −76.13
Std Dev 107

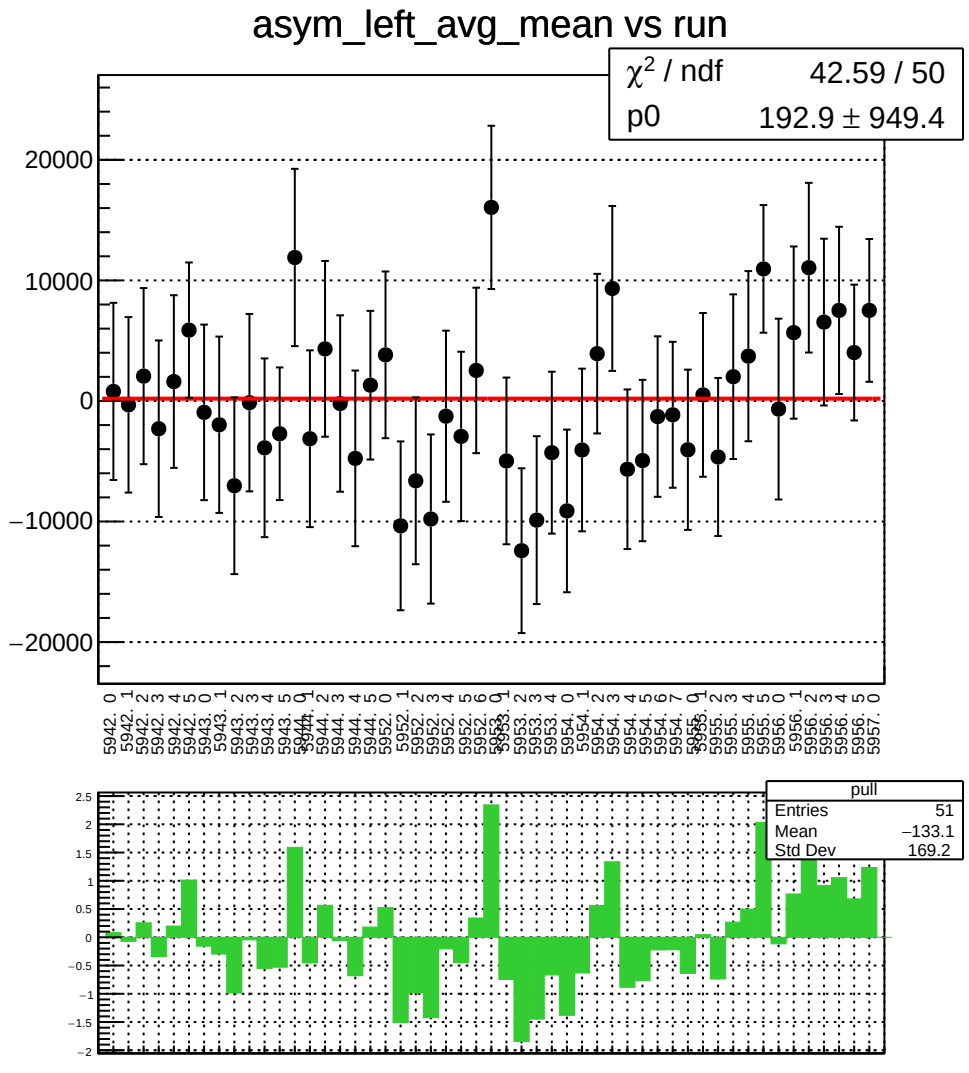

pull1D
Entries 51
Mean −0.02631
Std Dev 0.9018

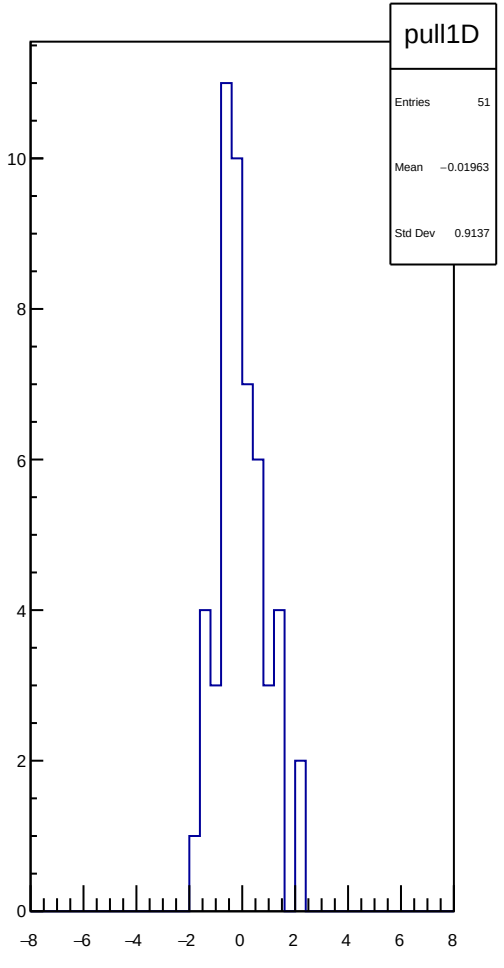

reg_asym_left_avg_rms vs run
χ² / ndf 1896 / 50
p0 568.7 ± 0.573
620
600
580
560
540
520
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 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

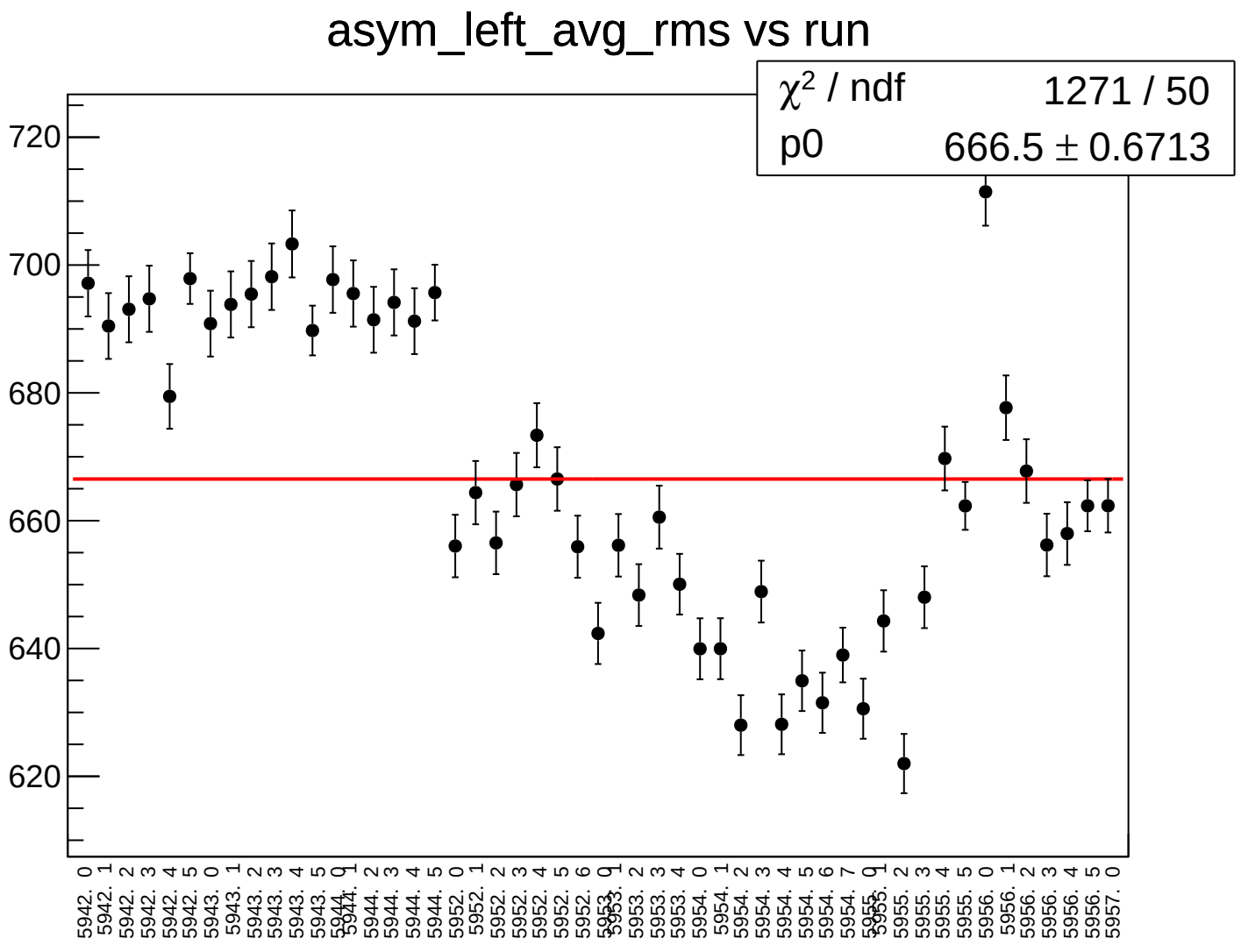

asym_left_avg_correction_mean vs run
χ² / ndf 48.68 / 50
p0 513.2 ± 491.7
10000
5000
0
−5000
−10000
−15000
pull
Entries 51
Mean 191.8
Std Dev 133.7
2
1
0
−1
−2
−3

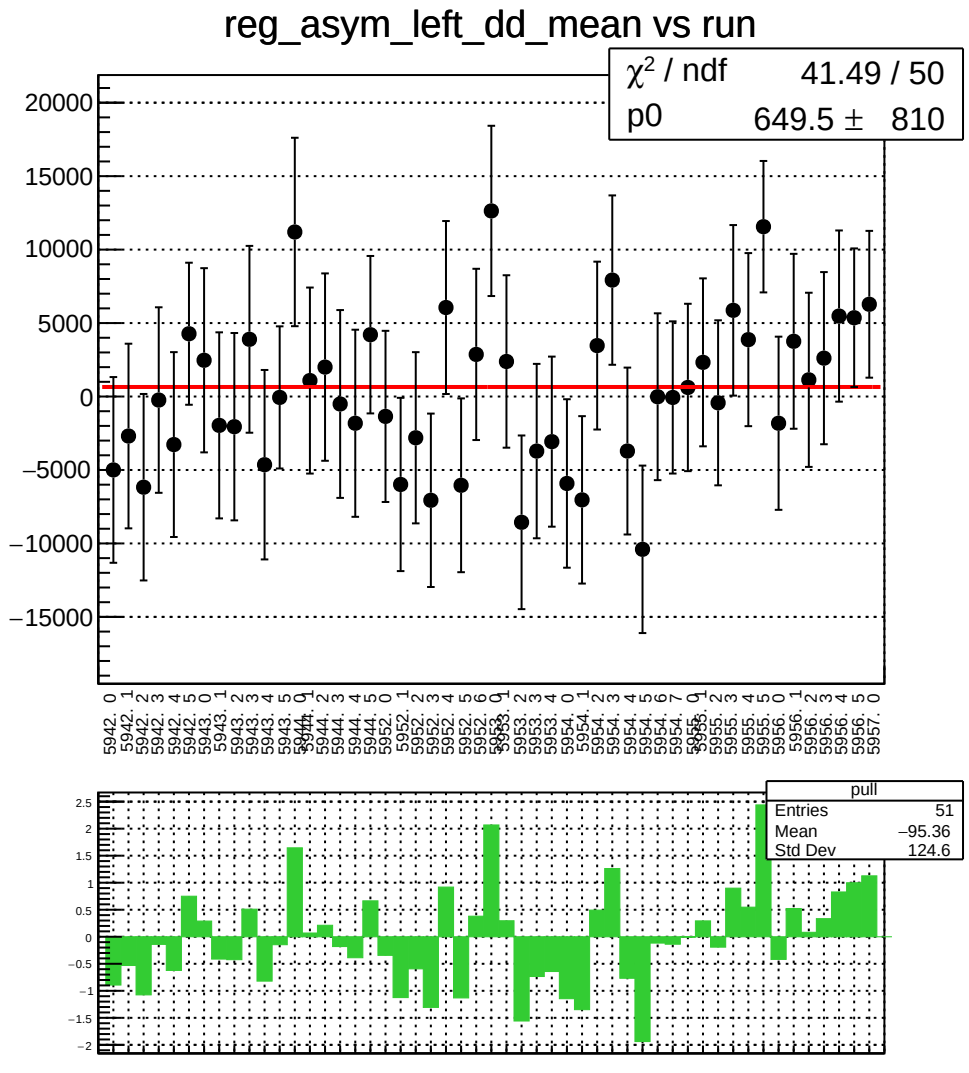

pull1D
Entries 51
Mean −0.00853
Std Dev 0.9769
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

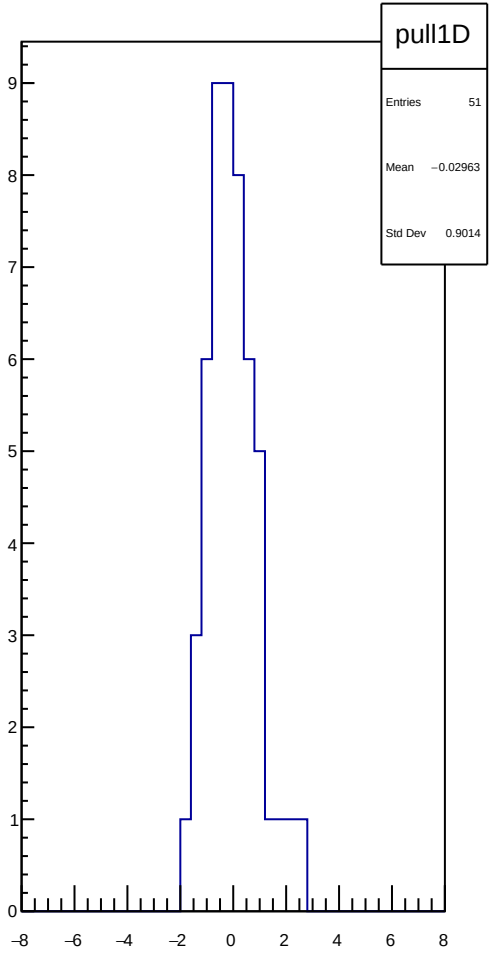

asym_left_avg_correction_rms vs run
χ^2 / ndf 2214 / 50
p0 345 ± 0.3477
440
420
400
380
360
340
320
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 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

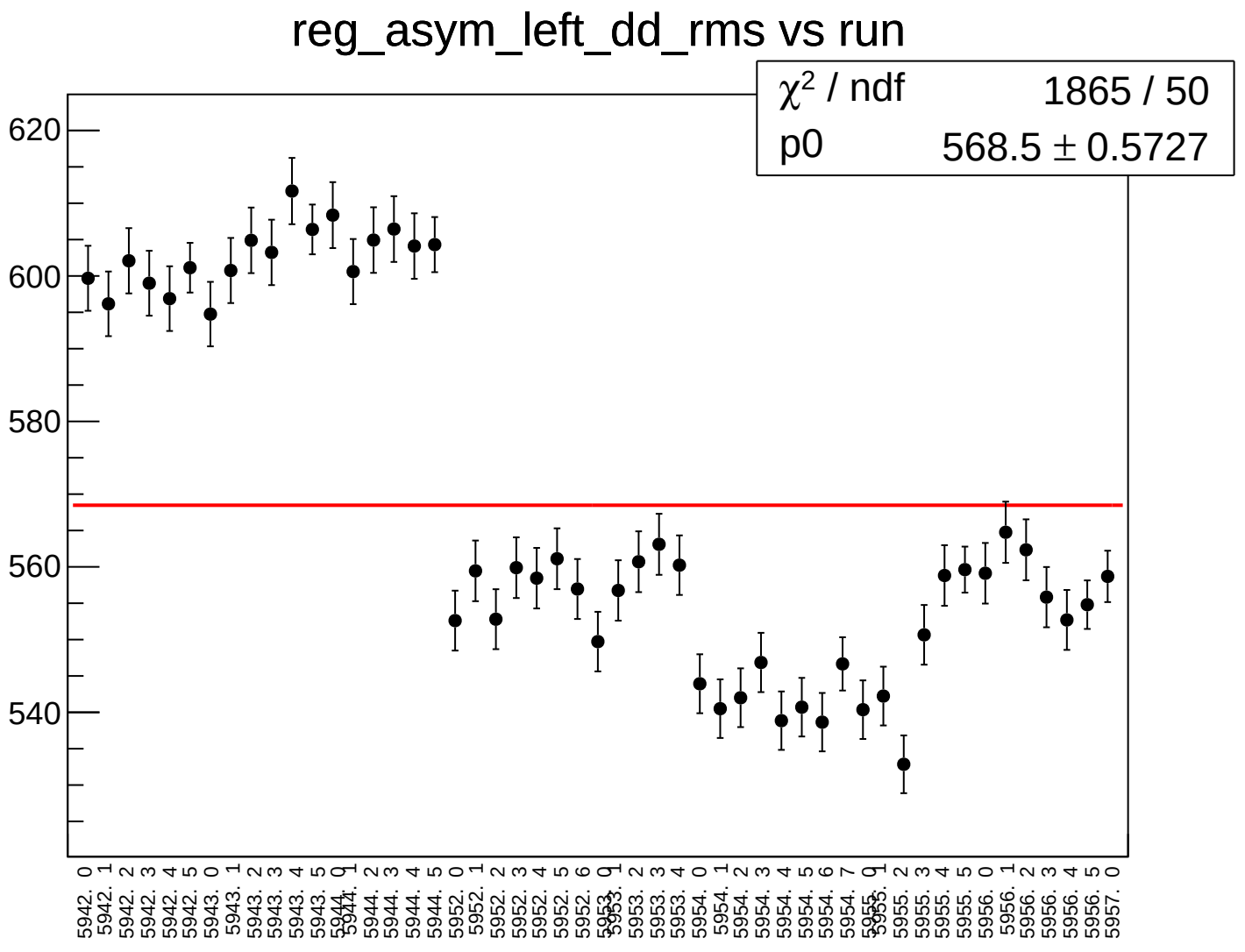

asym_left_avg_mean vs run
χ^2 / ndf 42.59 / 50
p0 192.9 ± 949.4
20000
10000
0
−10000
−20000
pull
Entries 51
Mean −133.1
Std Dev 169.2
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

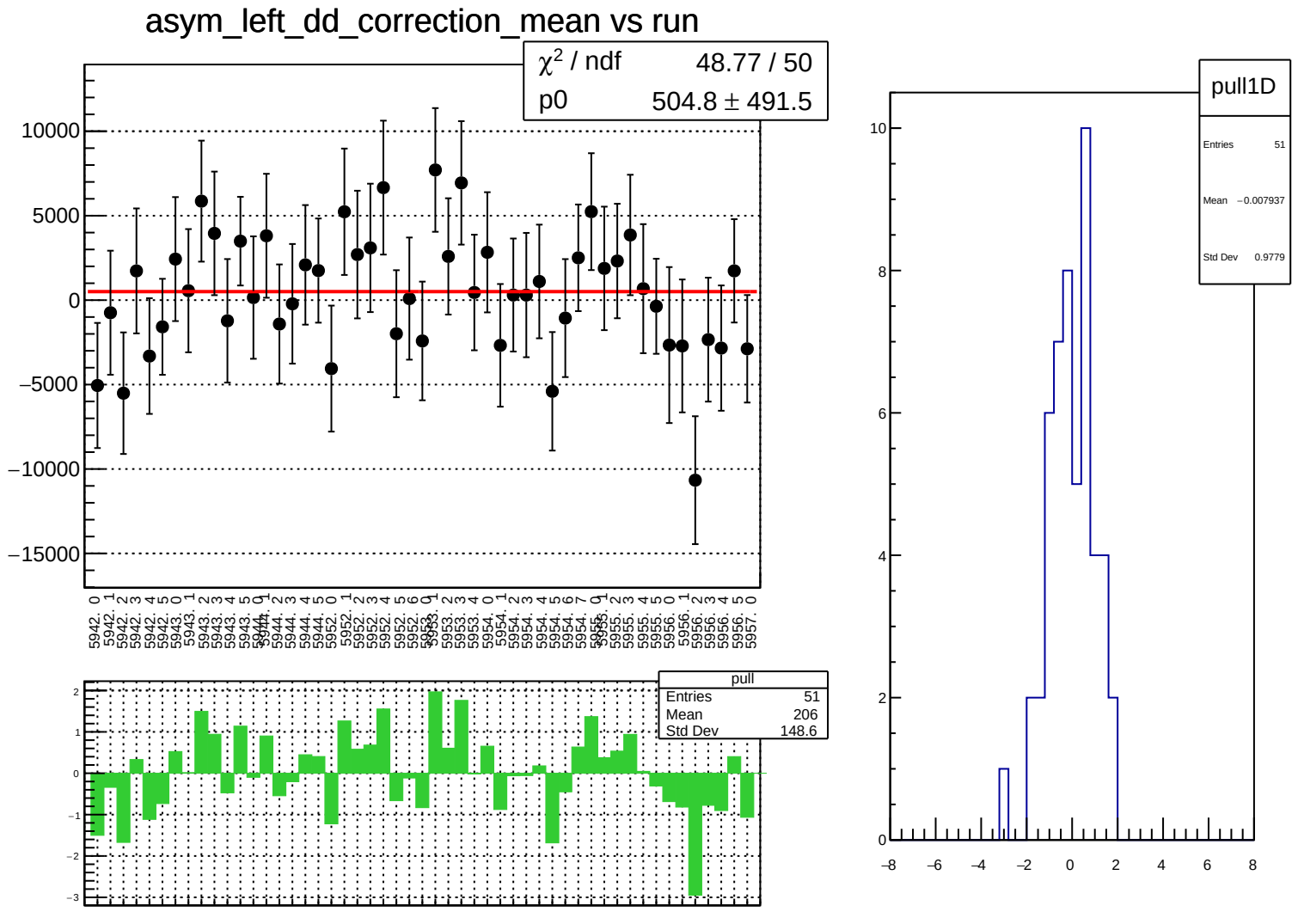

pull1D
Entries 51
Mean −0.01963
Std Dev 0.9137
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

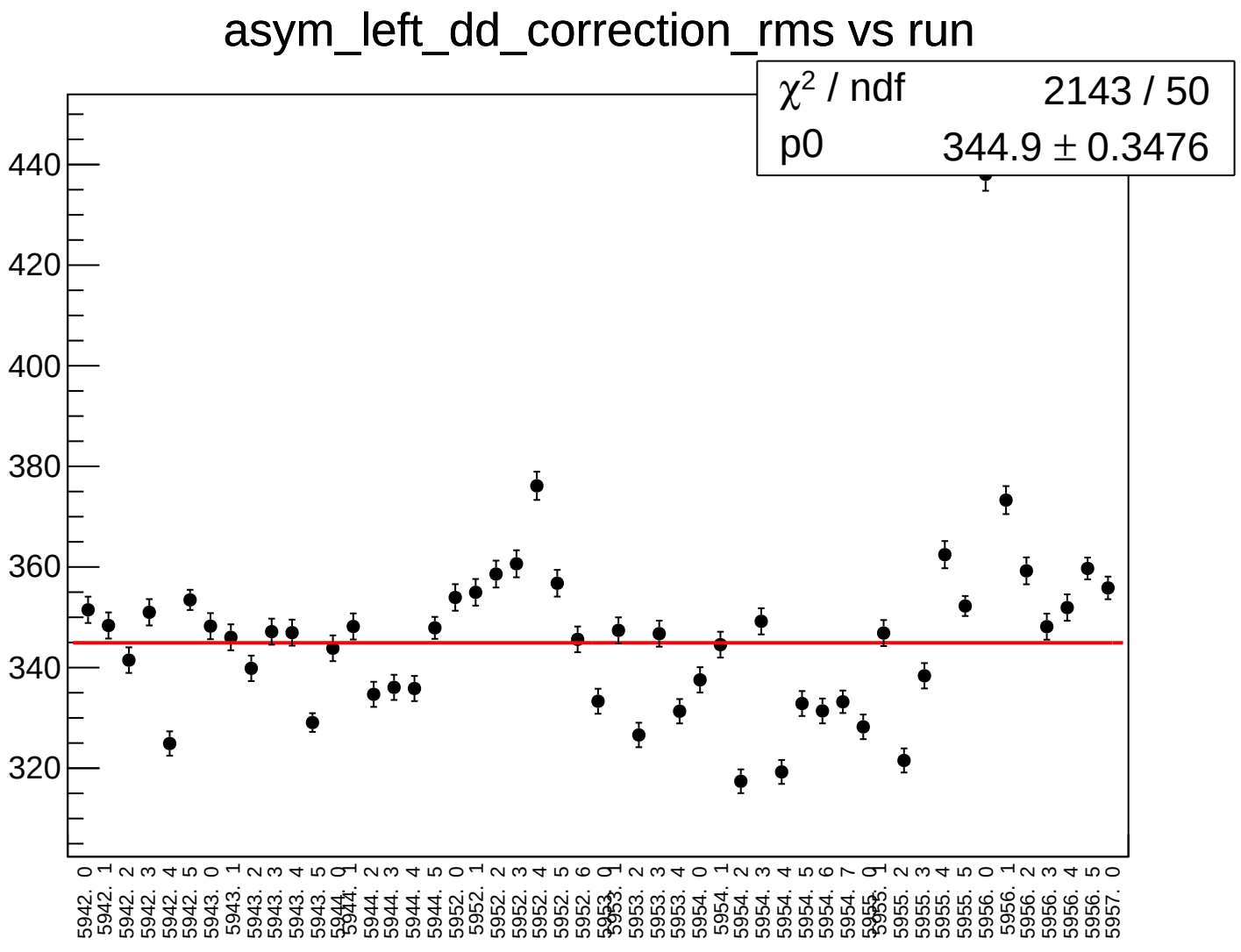

asym_left_avg_rms vs run
χ² / ndf 1271 / 50
p0 666.5 ± 0.6713
720
700
680
660
640
620
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 1
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

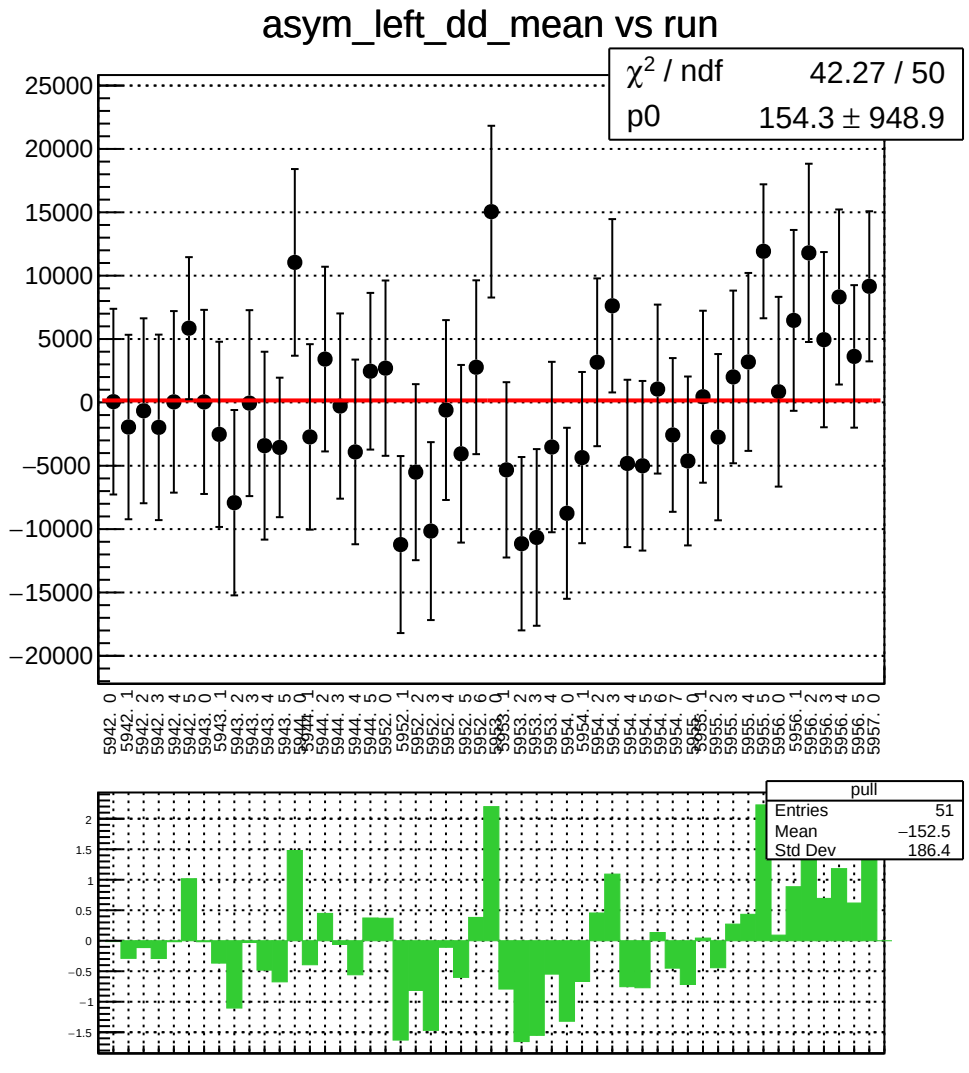

reg_asym_left_dd_mean vs run
χ² / ndf 41.49 / 50
p0 649.5 ± 810
pull
Entries 51
Mean −95.36
Std Dev 124.6

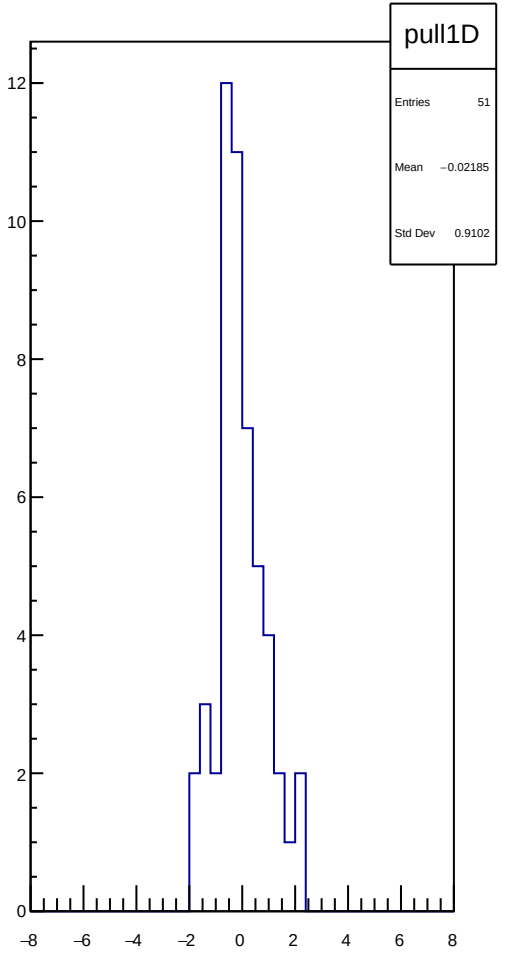

pull1D
Entries 51
Mean −0.02963
Std Dev 0.9014

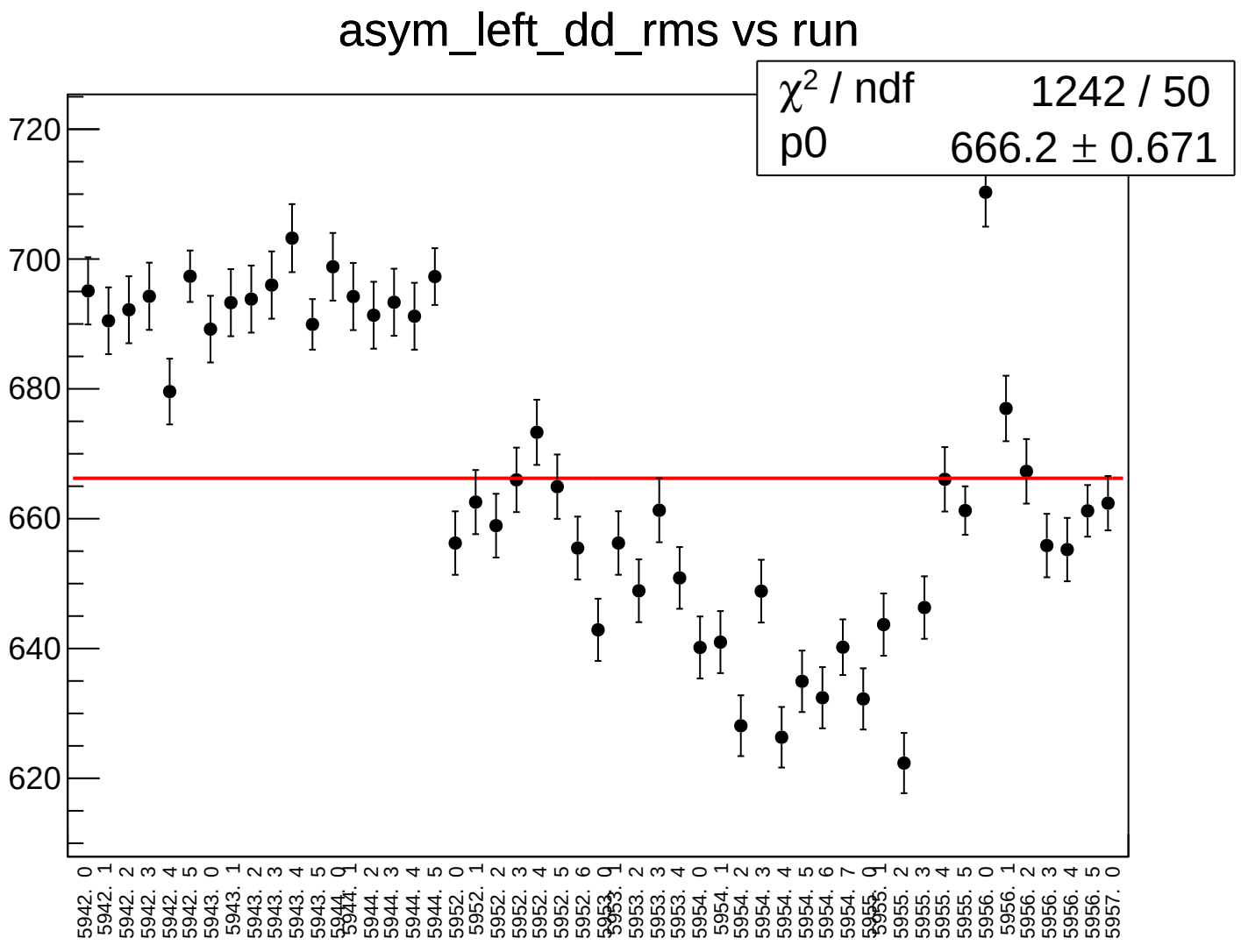

reg_asym_left_dd_rms vs run
χ² / ndf 1865 / 50
p0 568.5 ± 0.5727
620
600
580
560
540
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 1
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

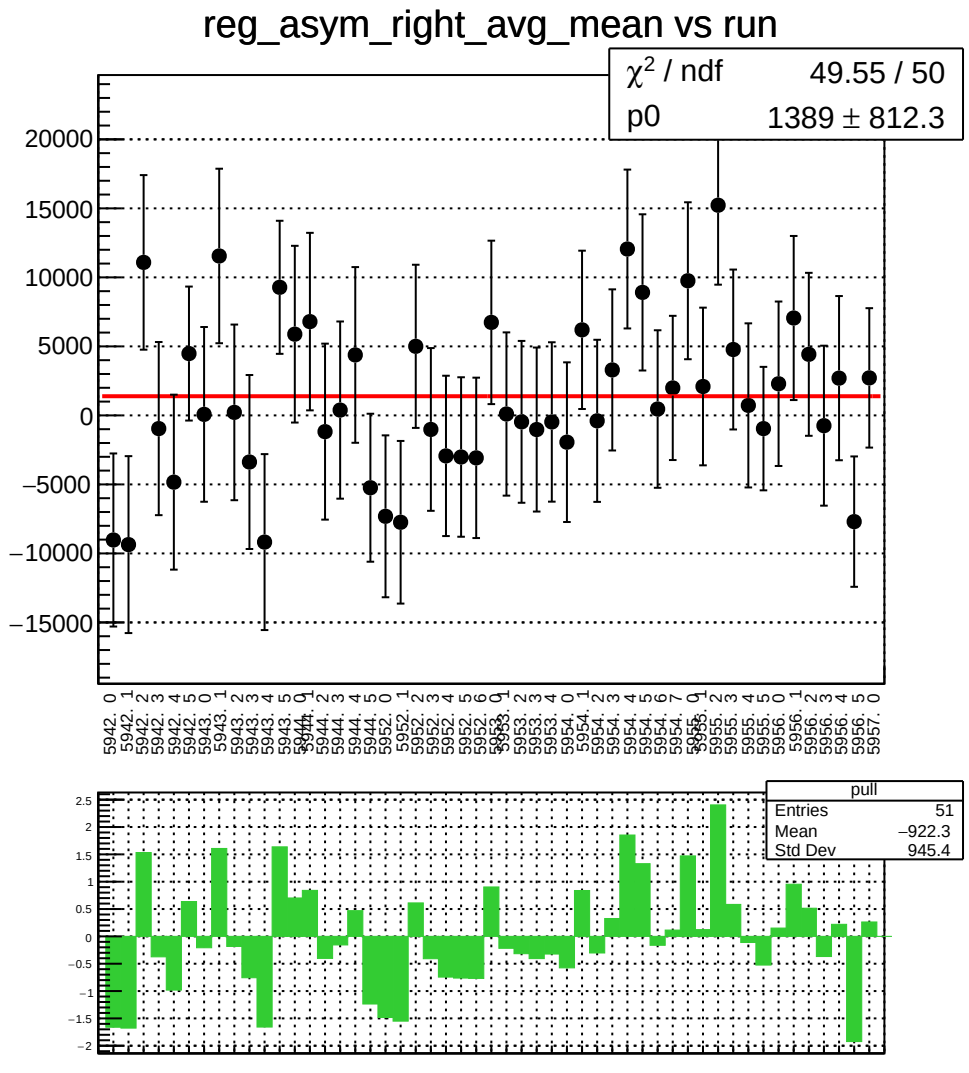

asym_left_dd_correction_mean vs run
χ² / ndf 48.77 / 50
p0 504.8 ± 491.5
10000
5000
0
−5000
−10000
−15000
pull
Entries 51
Mean 206
Std Dev 148.6
pull1D
Entries 51
Mean −0.007937
Std Dev 0.9779

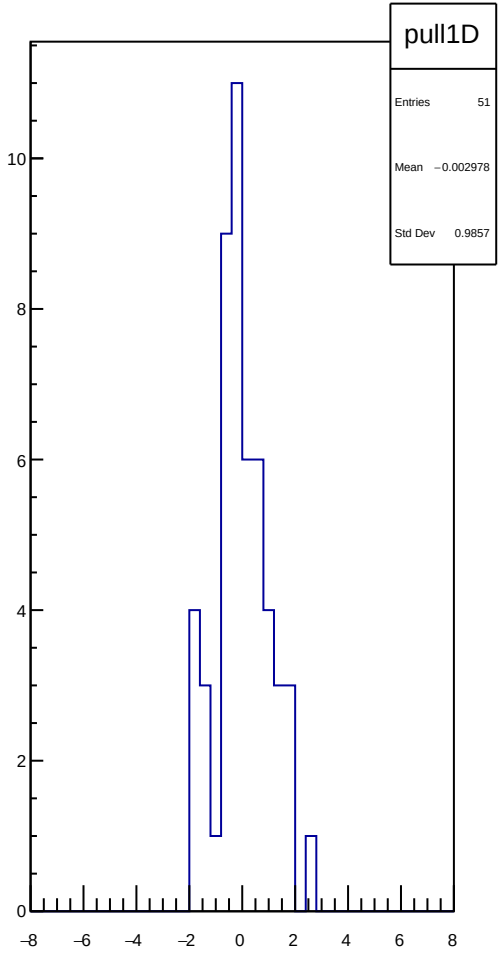

asym_left_dd_correction_rms vs run
χ² / ndf 2143 / 50
p0 344.9 ± 0.3476
440
420
400
380
360
340
320
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 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

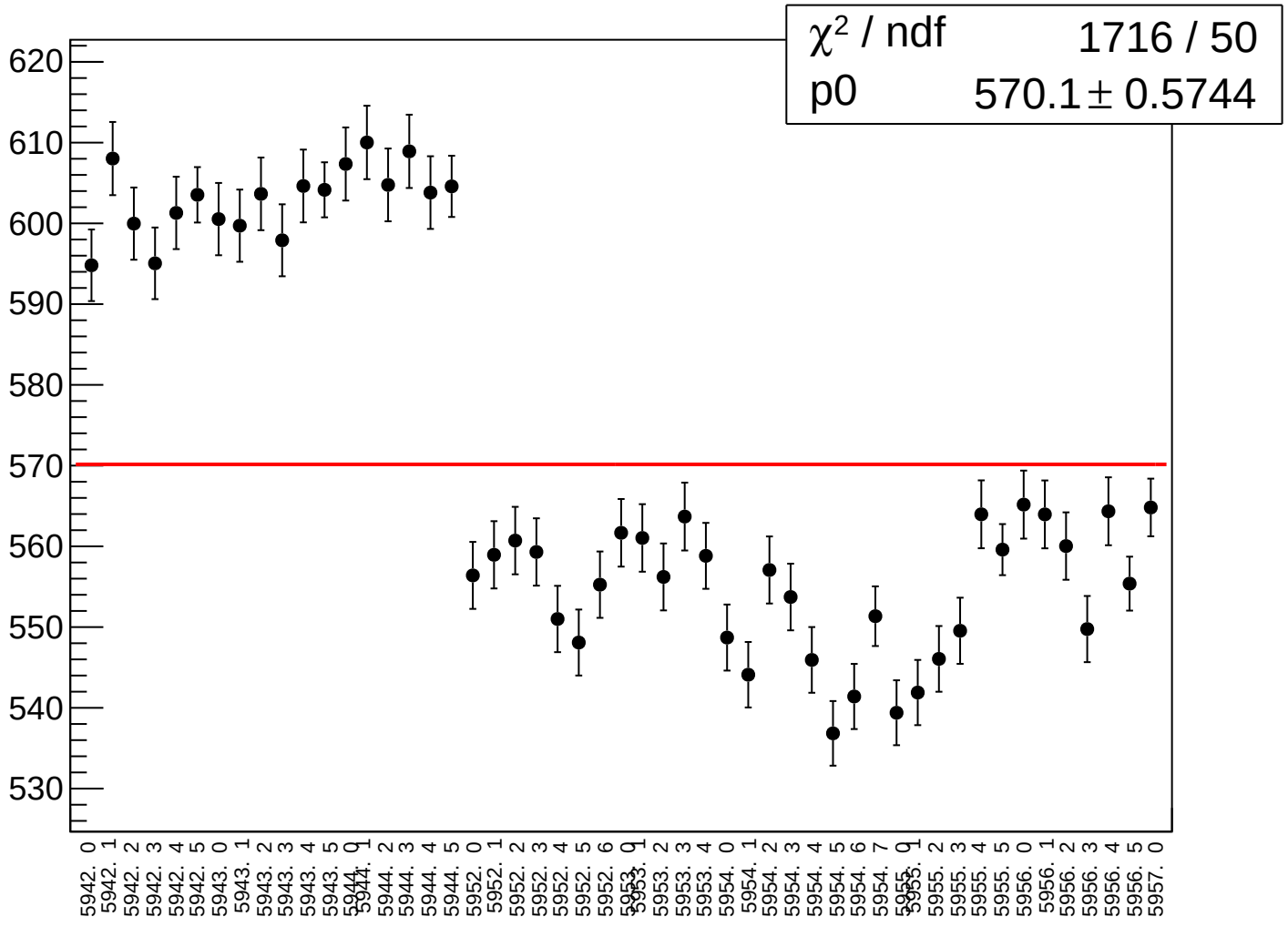

asym_left_dd_mean vs run
χ² / ndf 42.27 / 50
p0 154.3 ± 948.9
pull
Entries 51
Mean −152.5
Std Dev 186.4

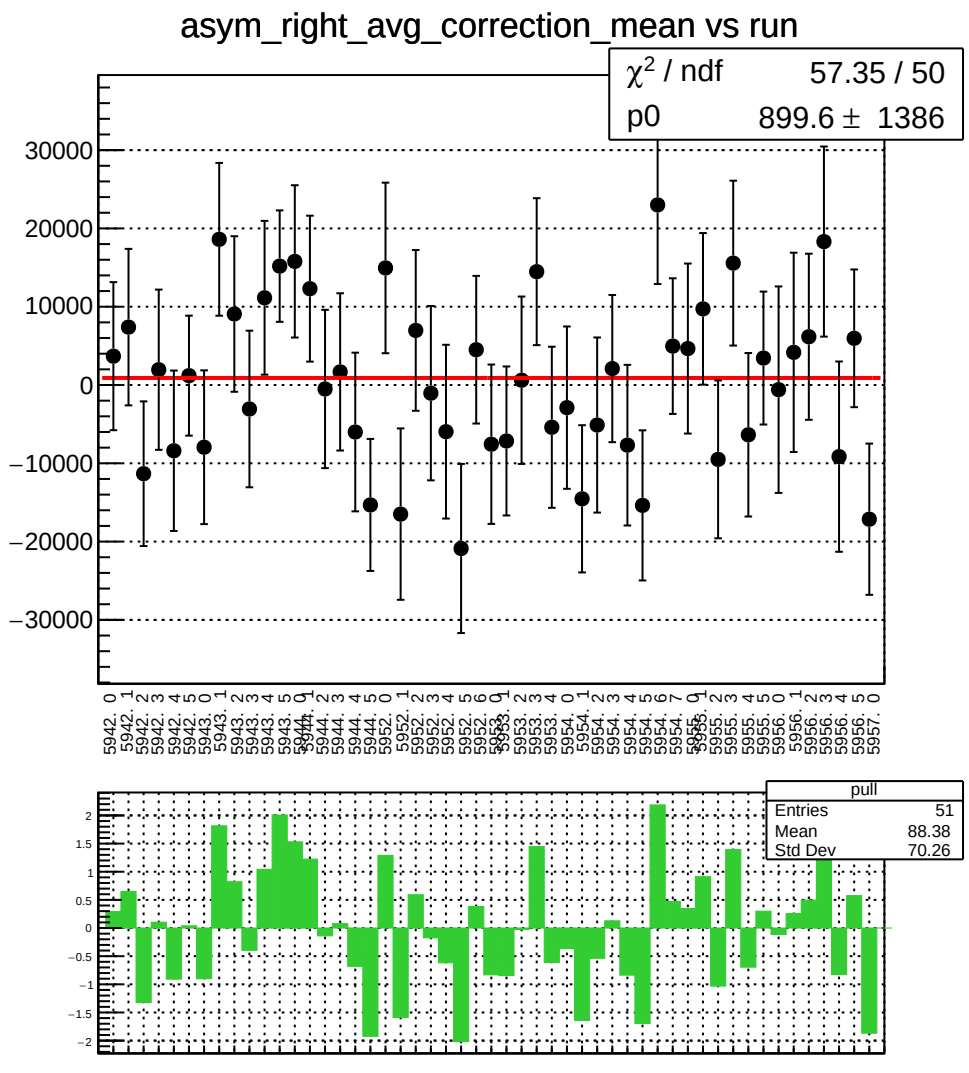

pull1D
Entries 51
Mean −0.02185
Std Dev 0.9102

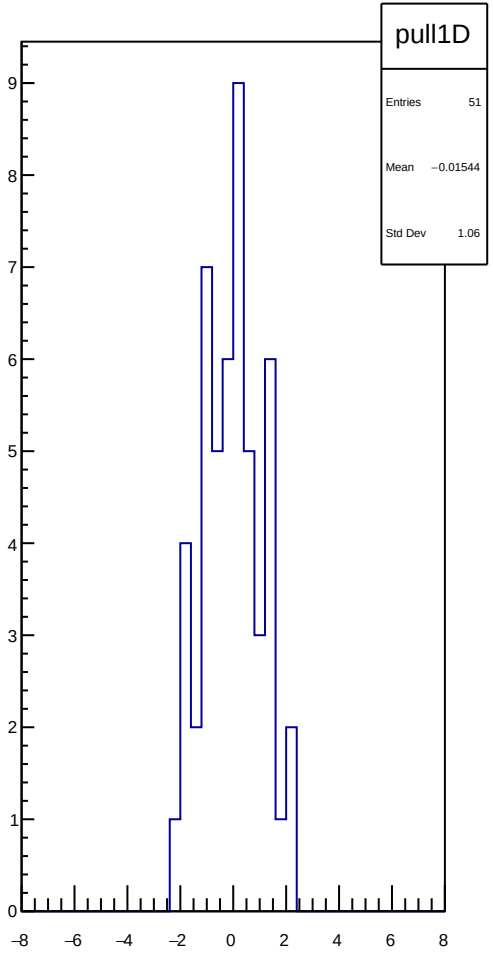

asym_left_dd_rms vs run
χ² / ndf 1242 / 50
p0 666.2 ± 0.671
720
700
680
660
640
620
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 1
5953. 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

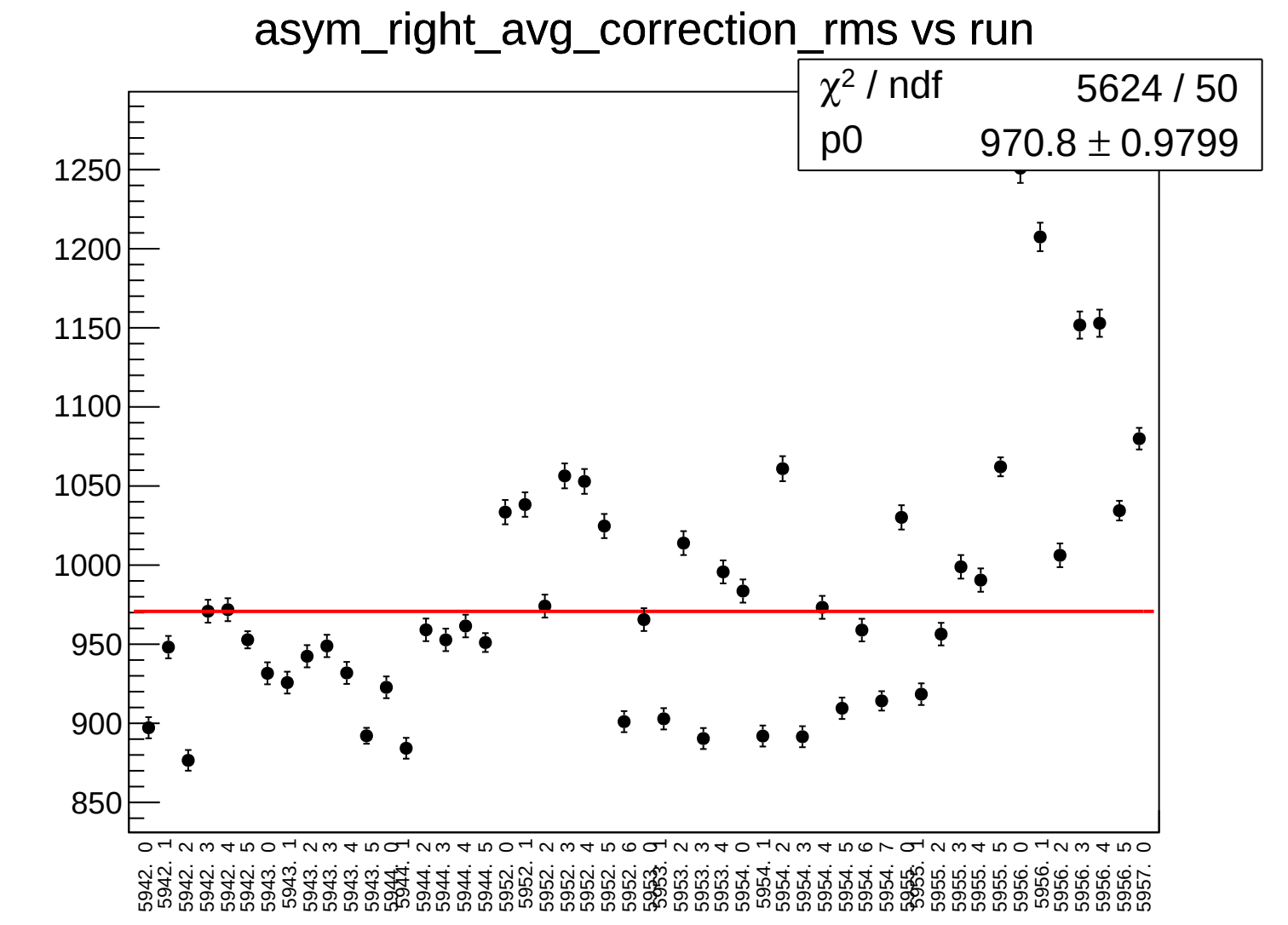

reg_asym_right_avg_mean vs run
χ² / ndf 49.55 / 50
p0 1389 ± 812.3
pull
Entries 51
Mean −922.3
Std Dev 945.4

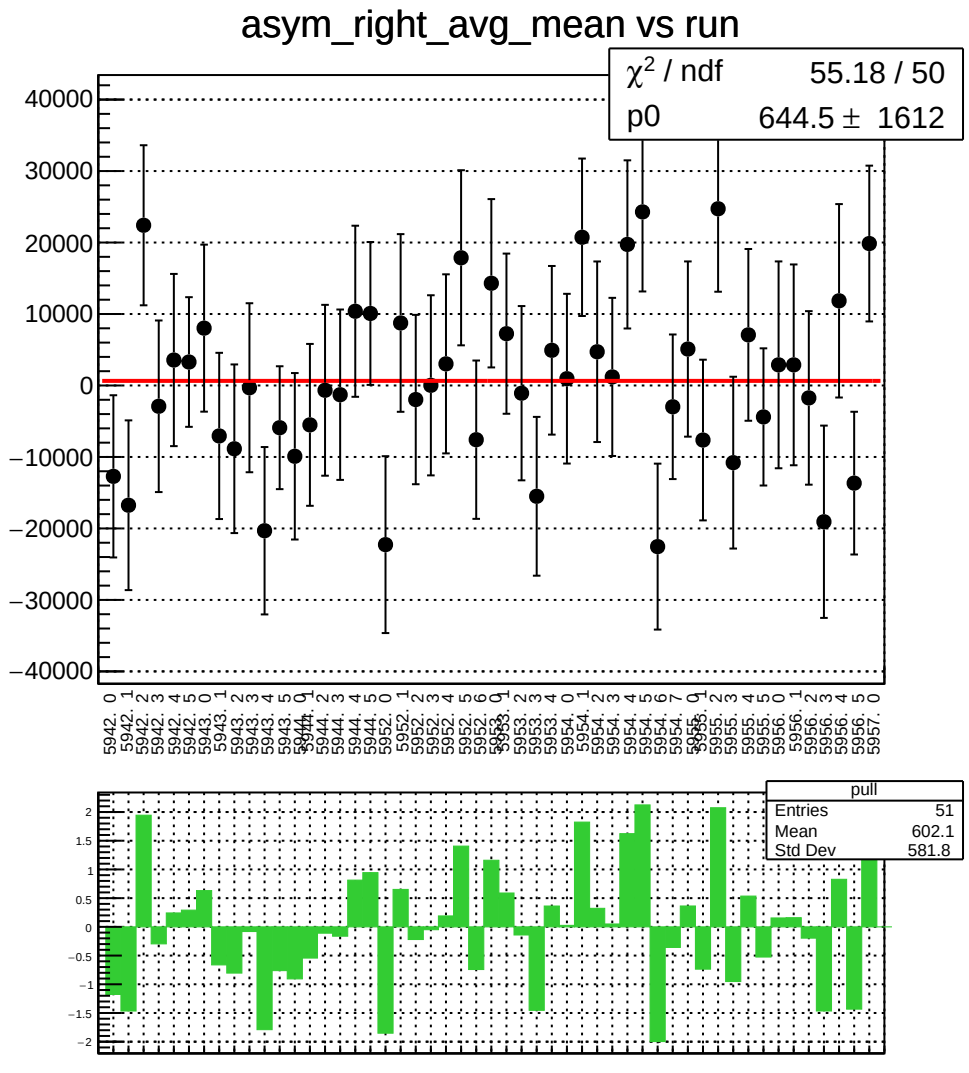

pull1D
Entries 51
Mean −0.002978
Std Dev 0.9857

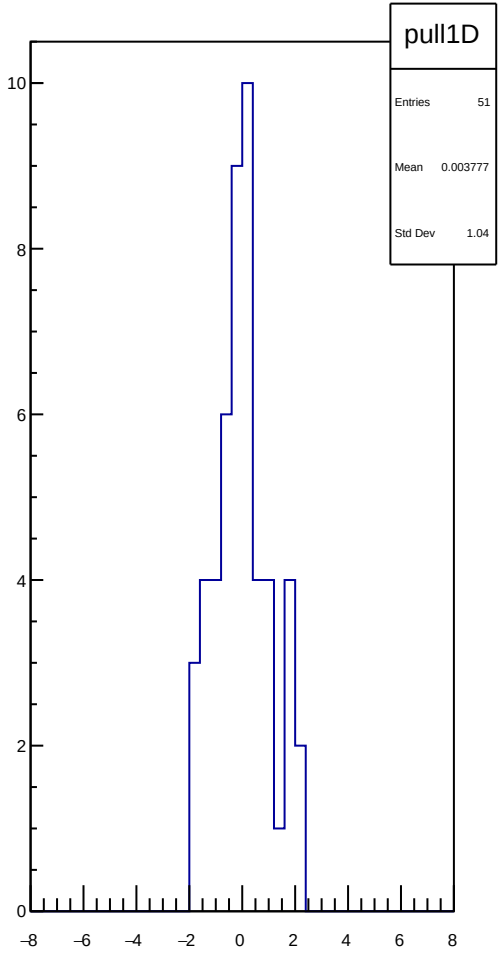

reg_asym_right_avg_rms vs run
χ² / ndf 1716 / 50
p0 570.1 ± 0.5744
620
610
600
590
580
570
560
550
540
530
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 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

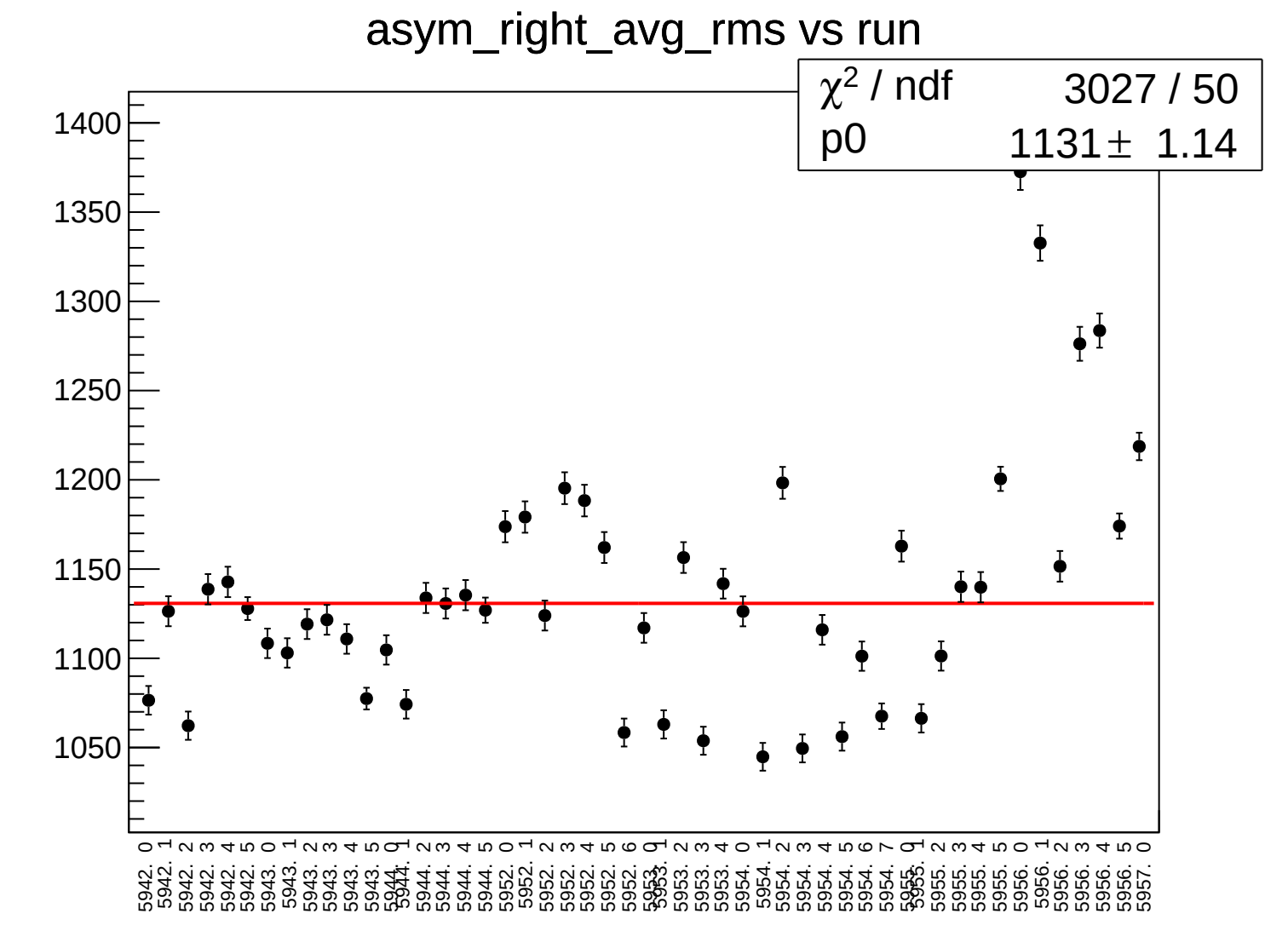

asym_right_avg_correction_mean vs run
χ² / ndf 57.35 / 50
p0 899.6 ± 1386
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 51
Mean 88.38
Std Dev 70.26
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

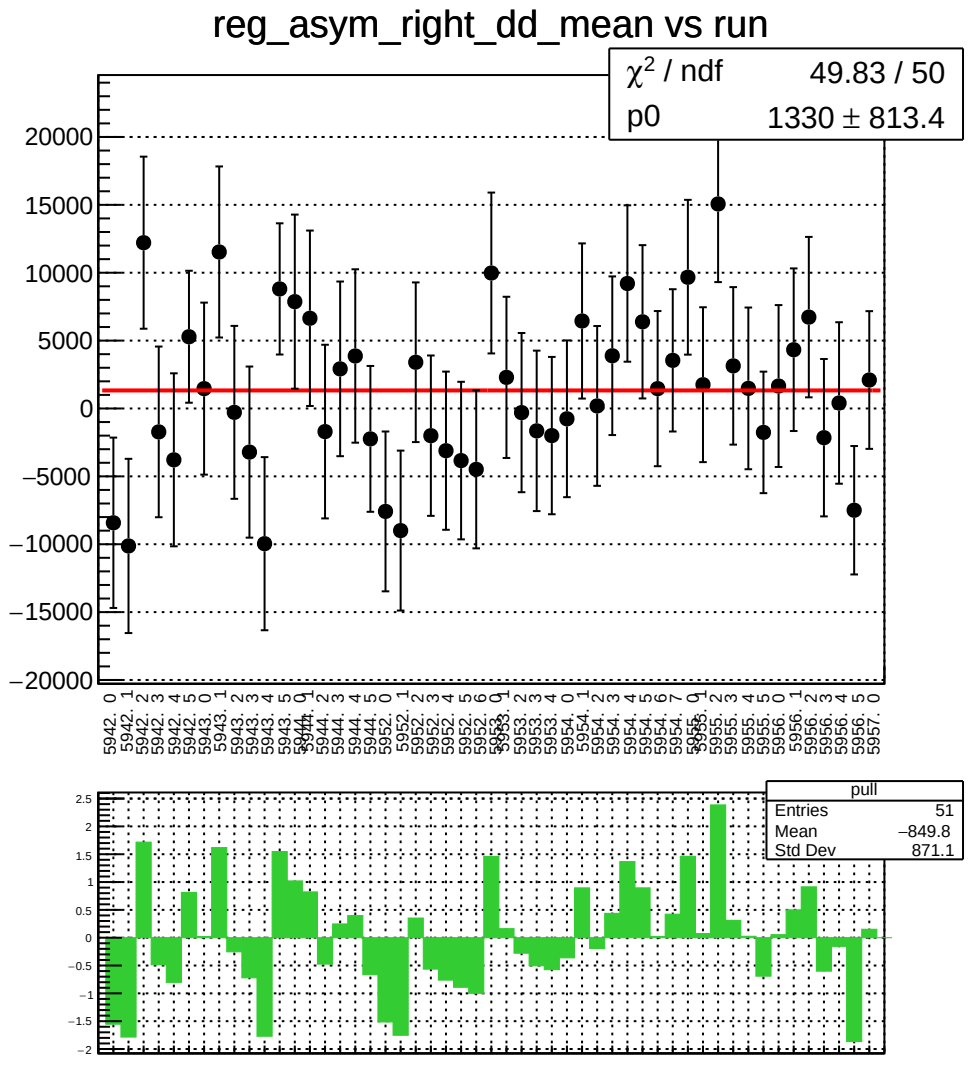

pull1D
Entries 51
Mean −0.01544
Std Dev 1.06
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

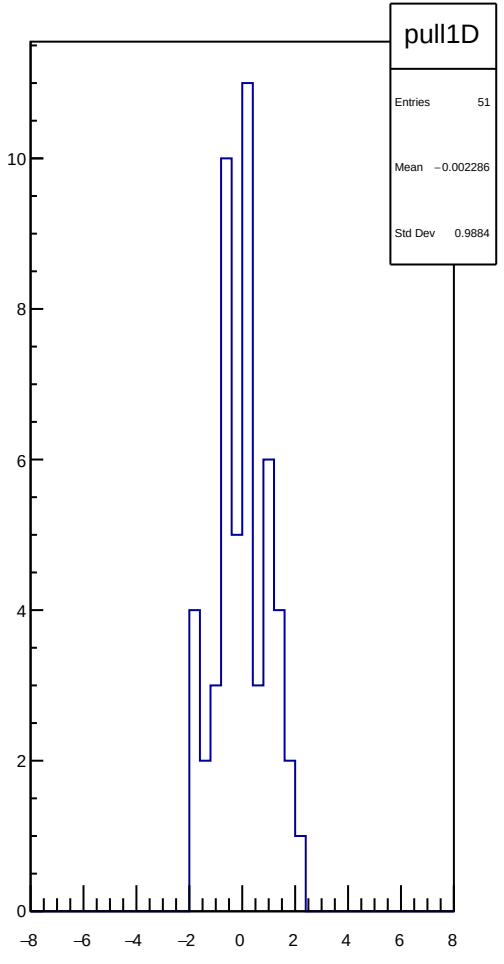

asym_right_avg_correction_rms vs run
χ² / ndf 5624 / 50
p0 970.8 ± 0.9799
1250
1200
1150
1100
1050
1000
950
900
850
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 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

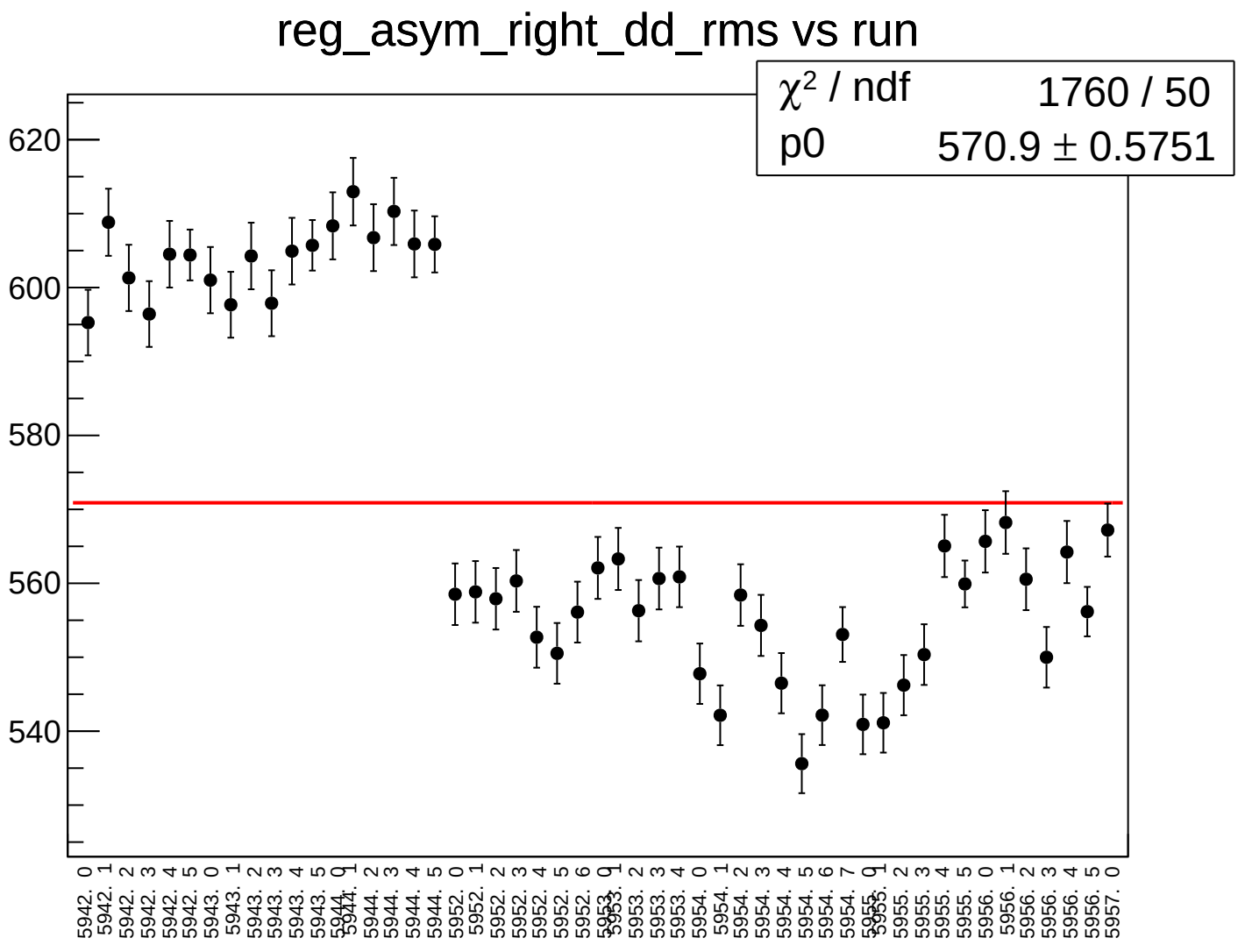

asym_right_avg_mean vs run
χ² / ndf 55.18 / 50
p0 644.5 ± 1612
pull
Entries 51
Mean 602.1
Std Dev 581.8

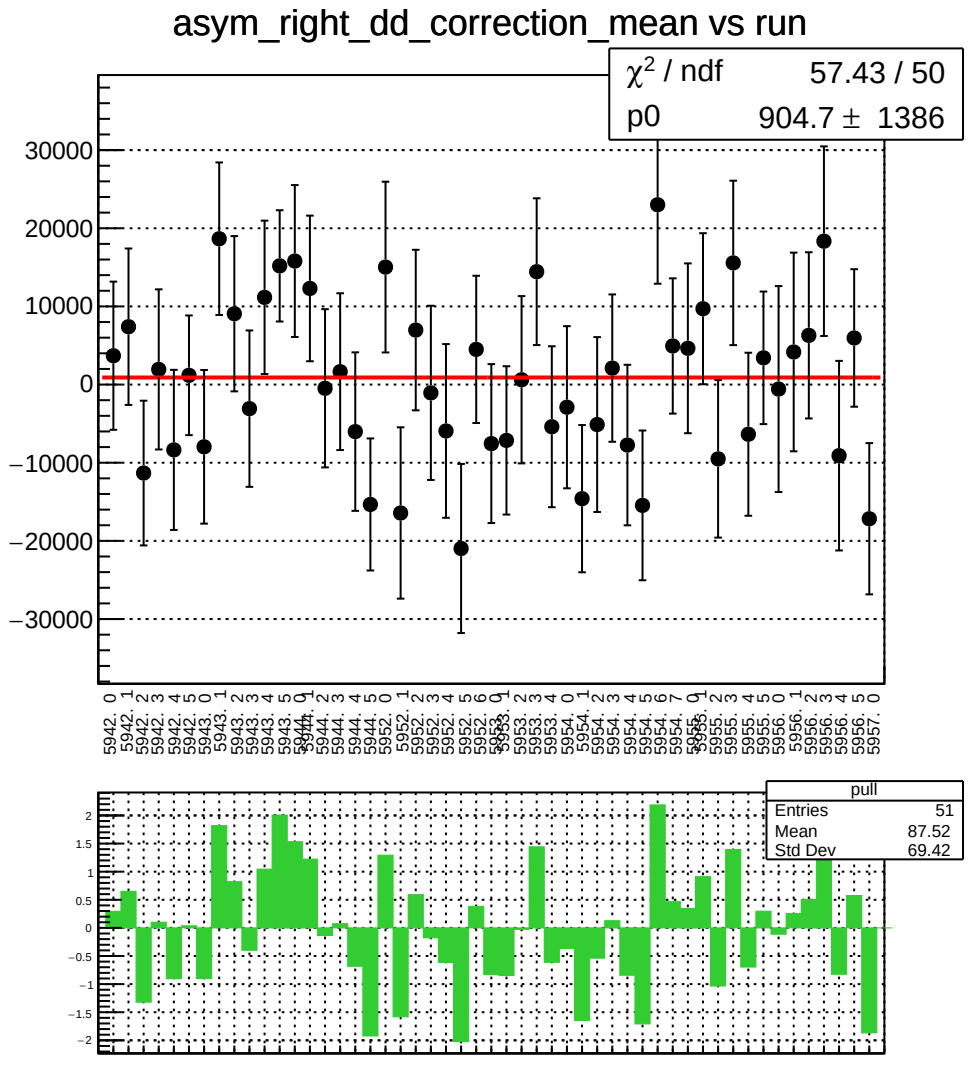

pull1D
Entries 51
Mean 0.003777
Std Dev 1.04

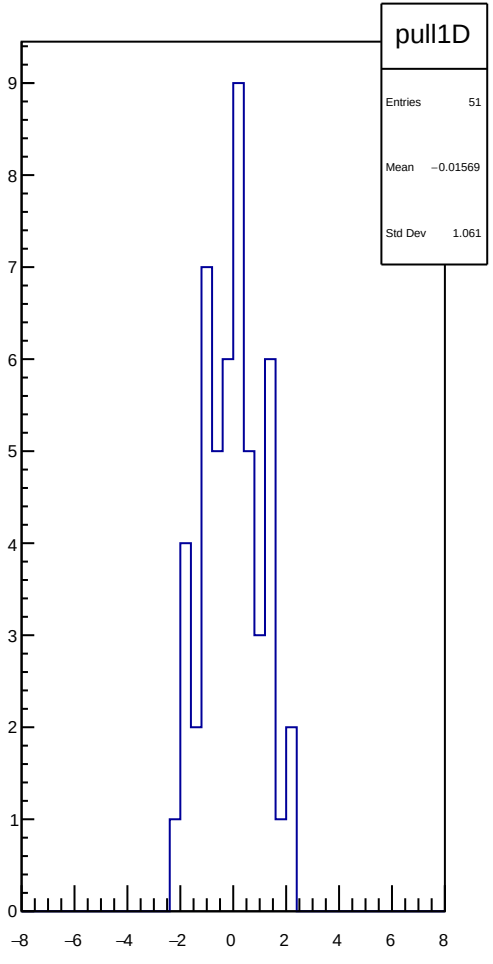

asym_right_avg_rms vs run
χ² / ndf 3027 / 50
p0 1131 ± 1.14
1400
1350
1300
1250
1200
1150
1100
1050
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 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

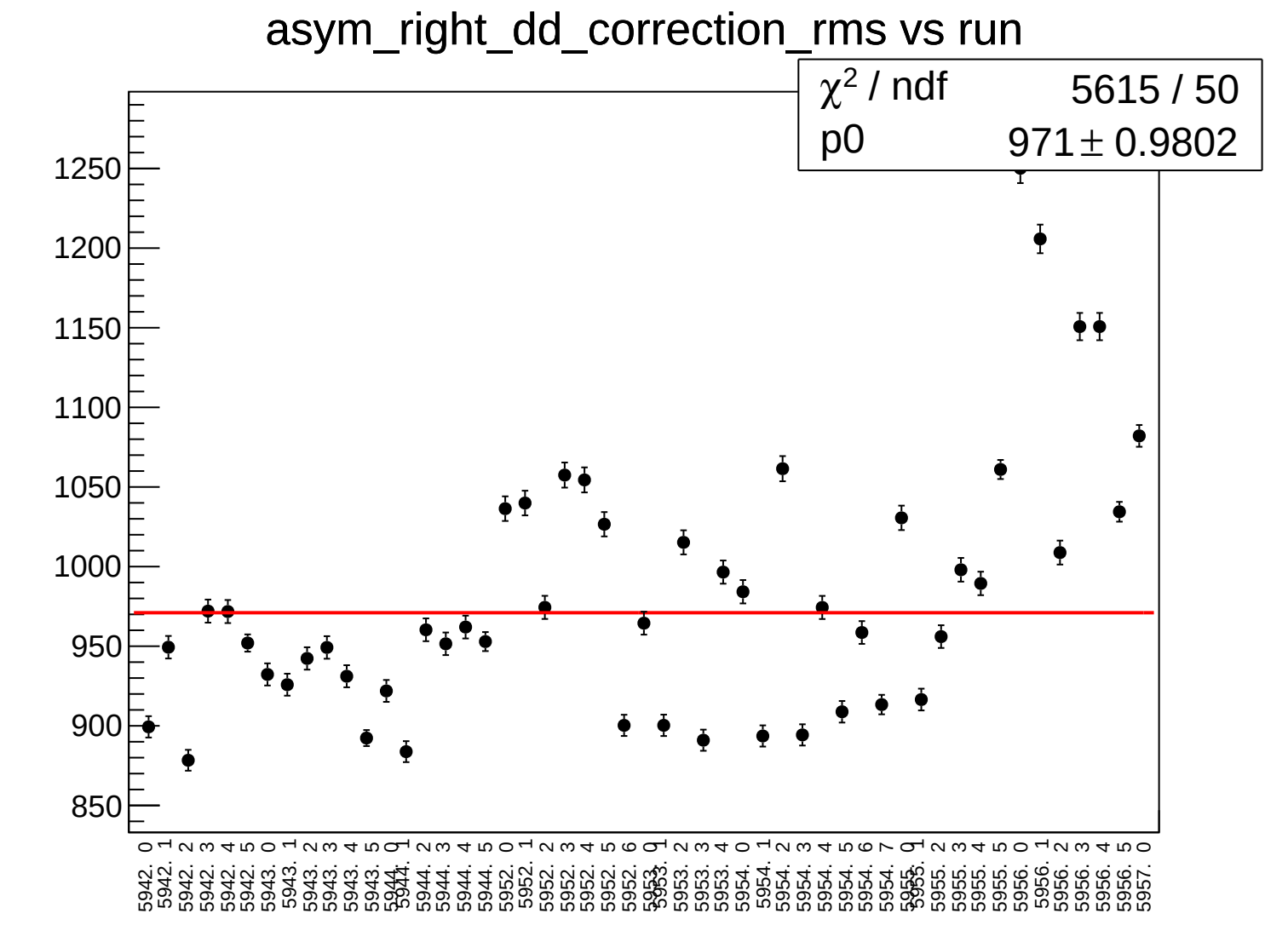

reg_asym_right_dd_mean vs run
χ² / ndf 49.83 / 50
p0 1330 ± 813.4
pull
Entries 51
Mean −849.8
Std Dev 871.1

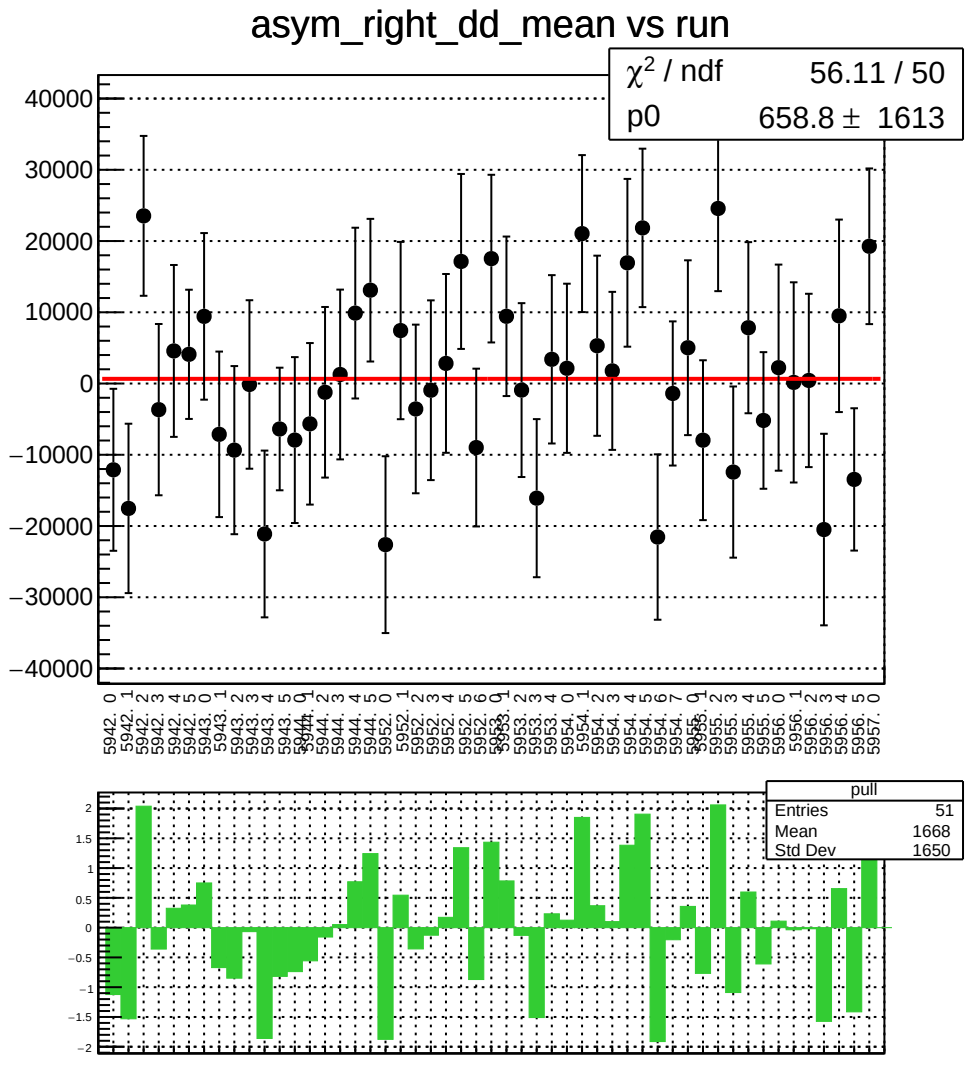

pull1D
Entries 51
Mean −0.002286
Std Dev 0.9884

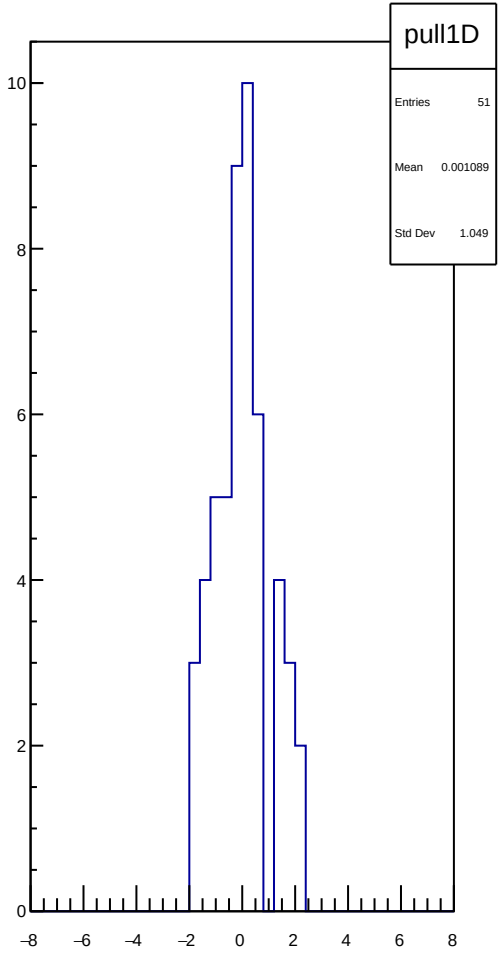

reg_asym_right_dd_rms vs run
χ² / ndf 1760 / 50
p0 570.9 ± 0.5751
620
600
580
560
540
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 1
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

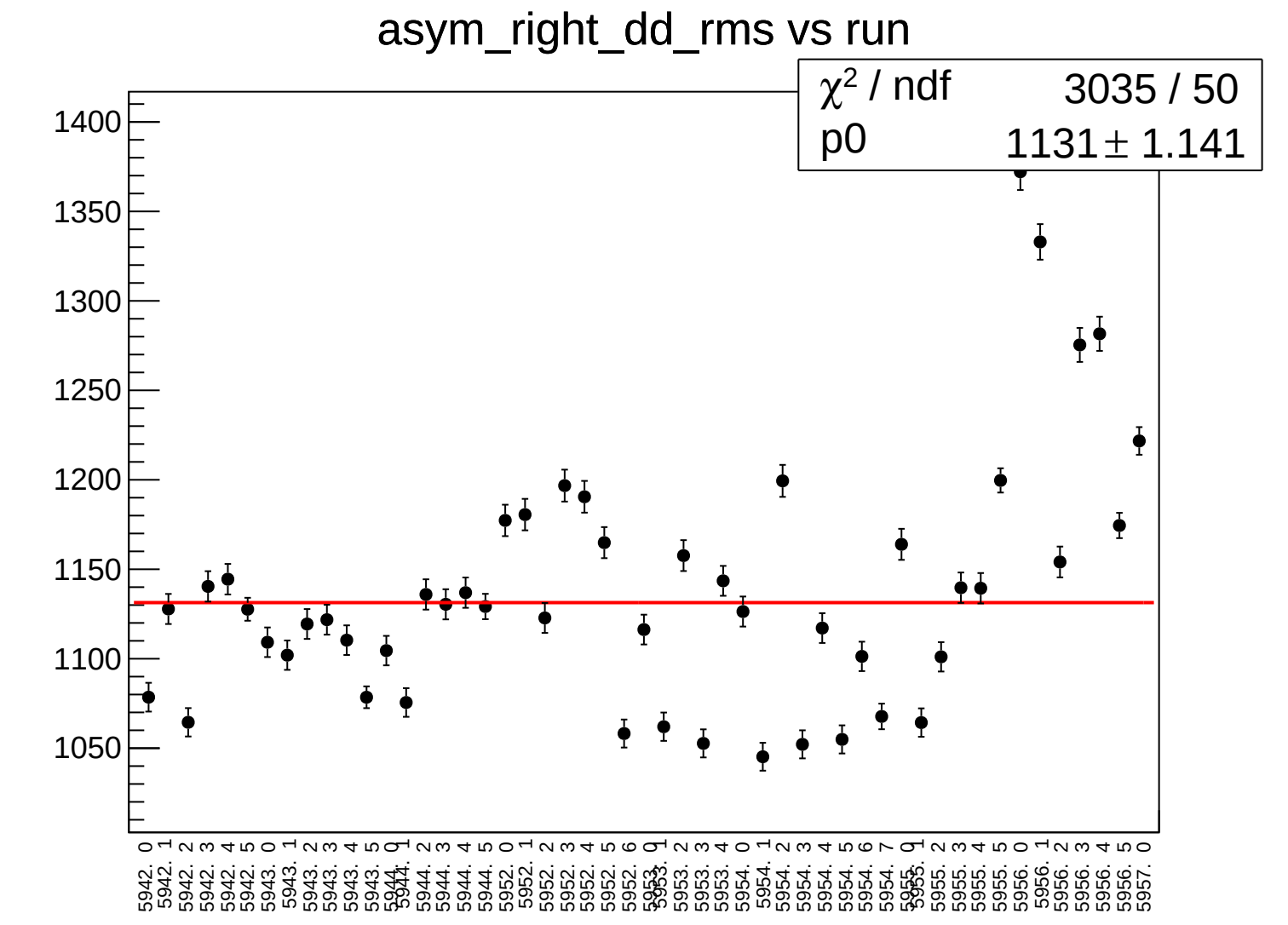

asym_right_dd_correction_mean vs run
χ² / ndf 57.43 / 50
p0 904.7 ± 1386
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 51
Mean 87.52
Std Dev 69.42
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

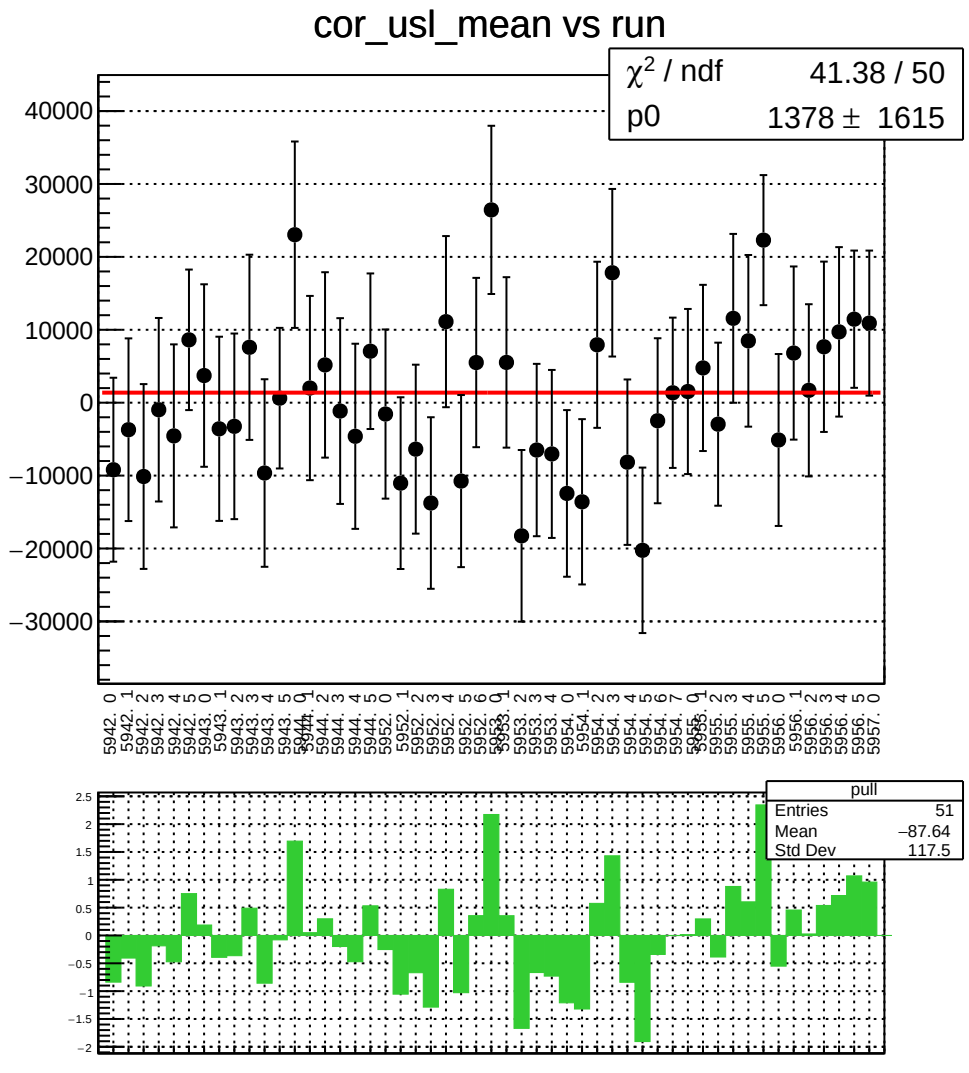

pull1D
Entries 51
Mean −0.01569
Std Dev 1.061
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

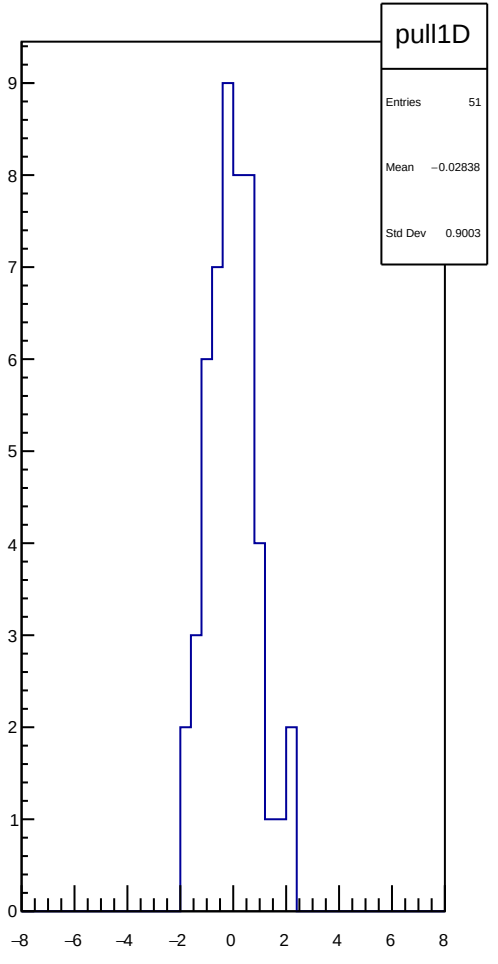

asym_right_dd_correction_rms vs run
χ² / ndf 5615 / 50
p0 971 ± 0.9802
1250
1200
1150
1100
1050
1000
950
900
850
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 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

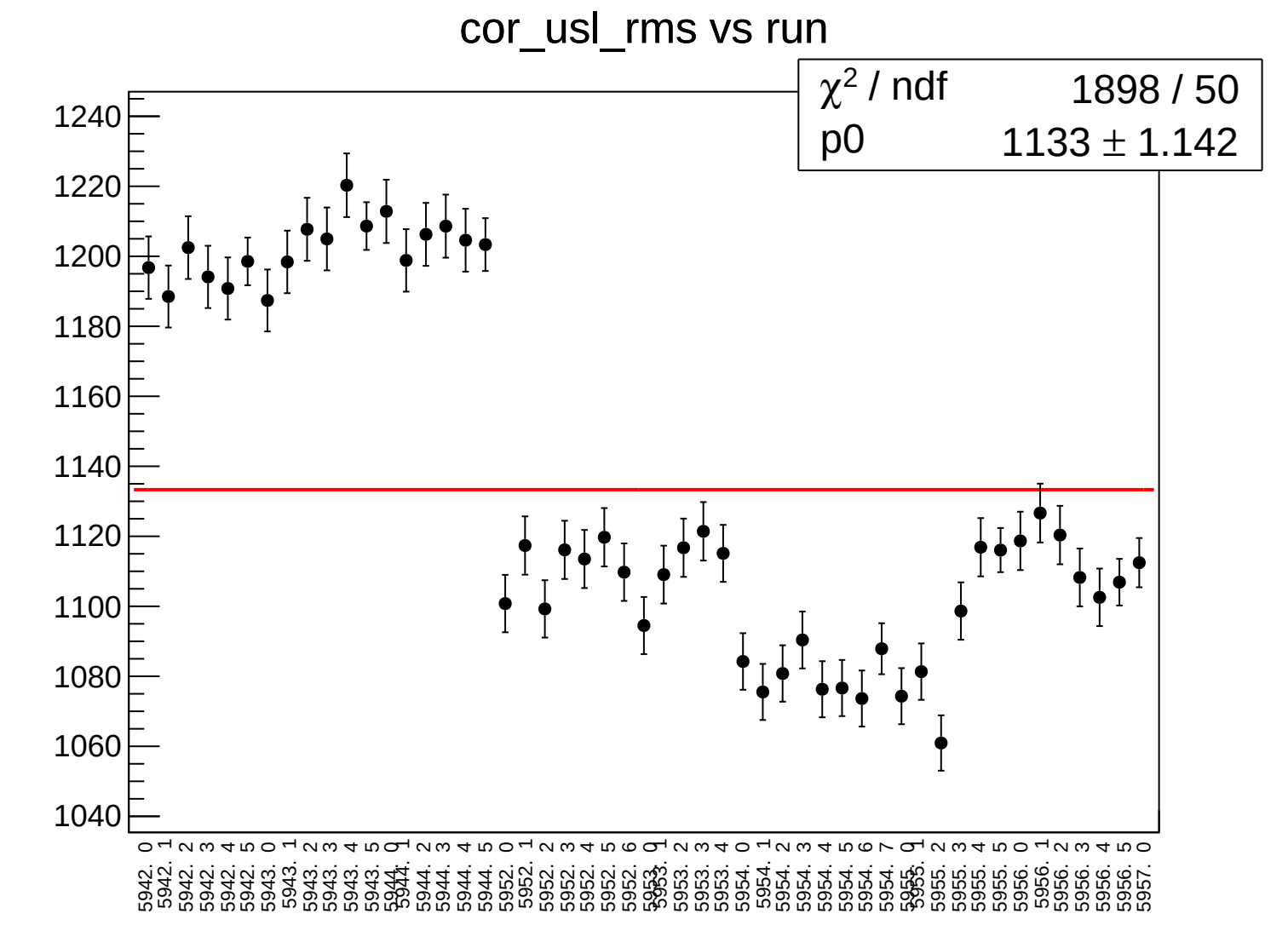

asym_right_dd_mean vs run
χ² / ndf 56.11 / 50
p0 658.8 ± 1613
pull
Entries 51
Mean 1668
Std Dev 1650

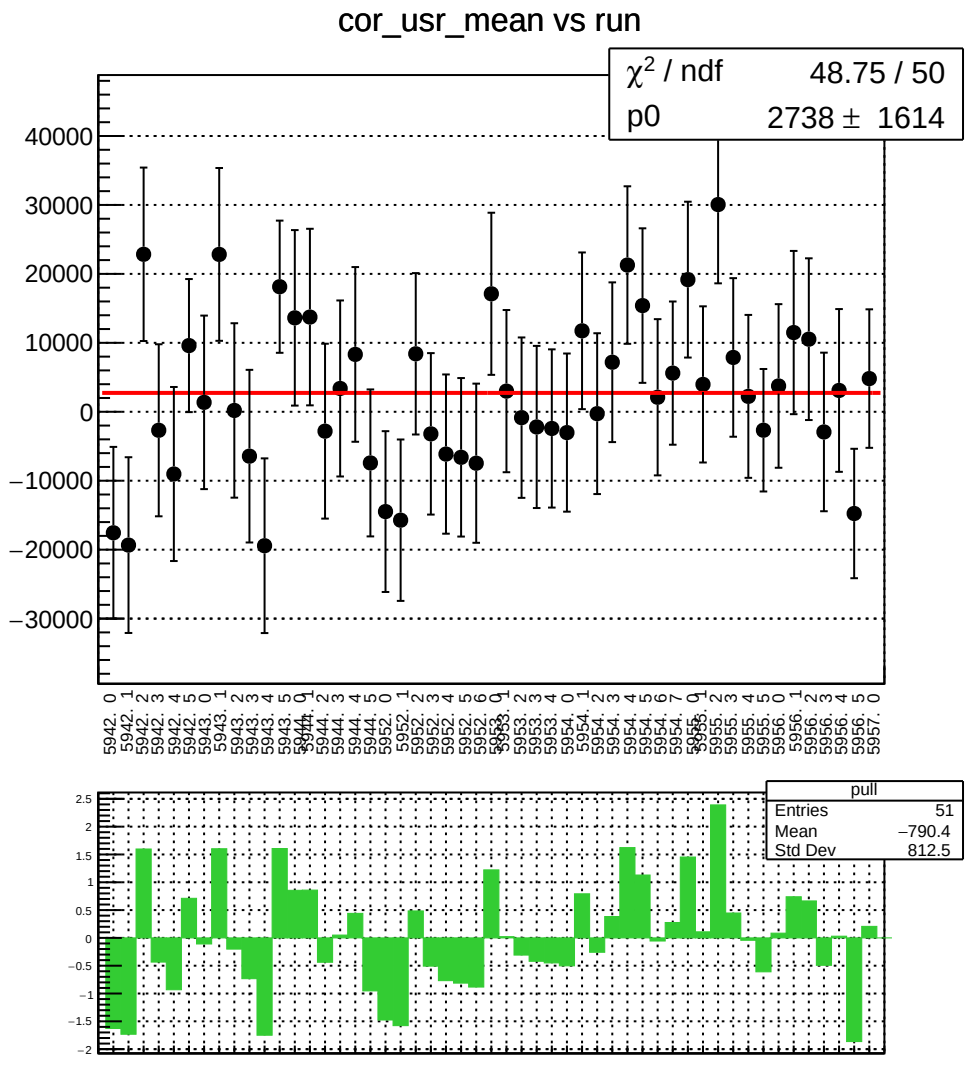

pull1D
Entries 51
Mean 0.001089
Std Dev 1.049

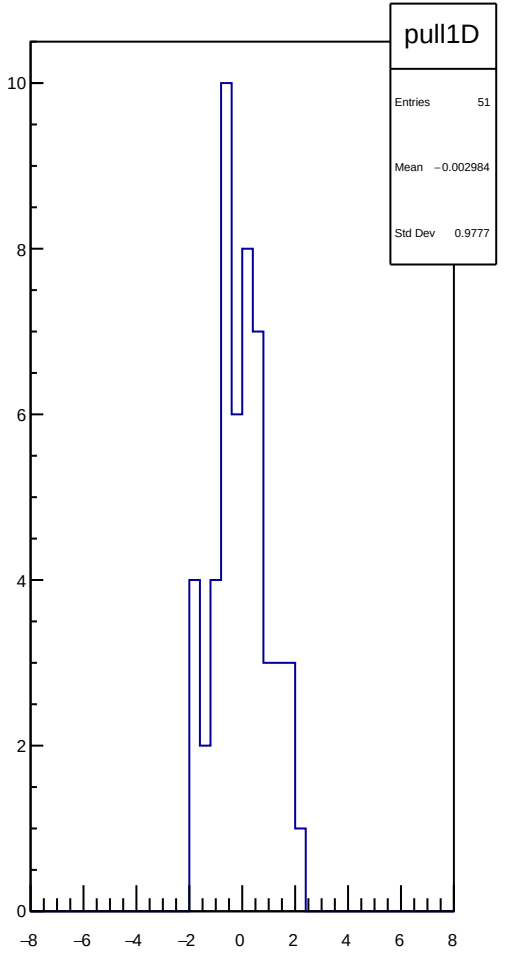

asym_right_dd_rms vs run
χ² / ndf 3035 / 50
p0 1131 ± 1.141
1400
1350
1300
1250
1200
1150
1100
1050
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 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

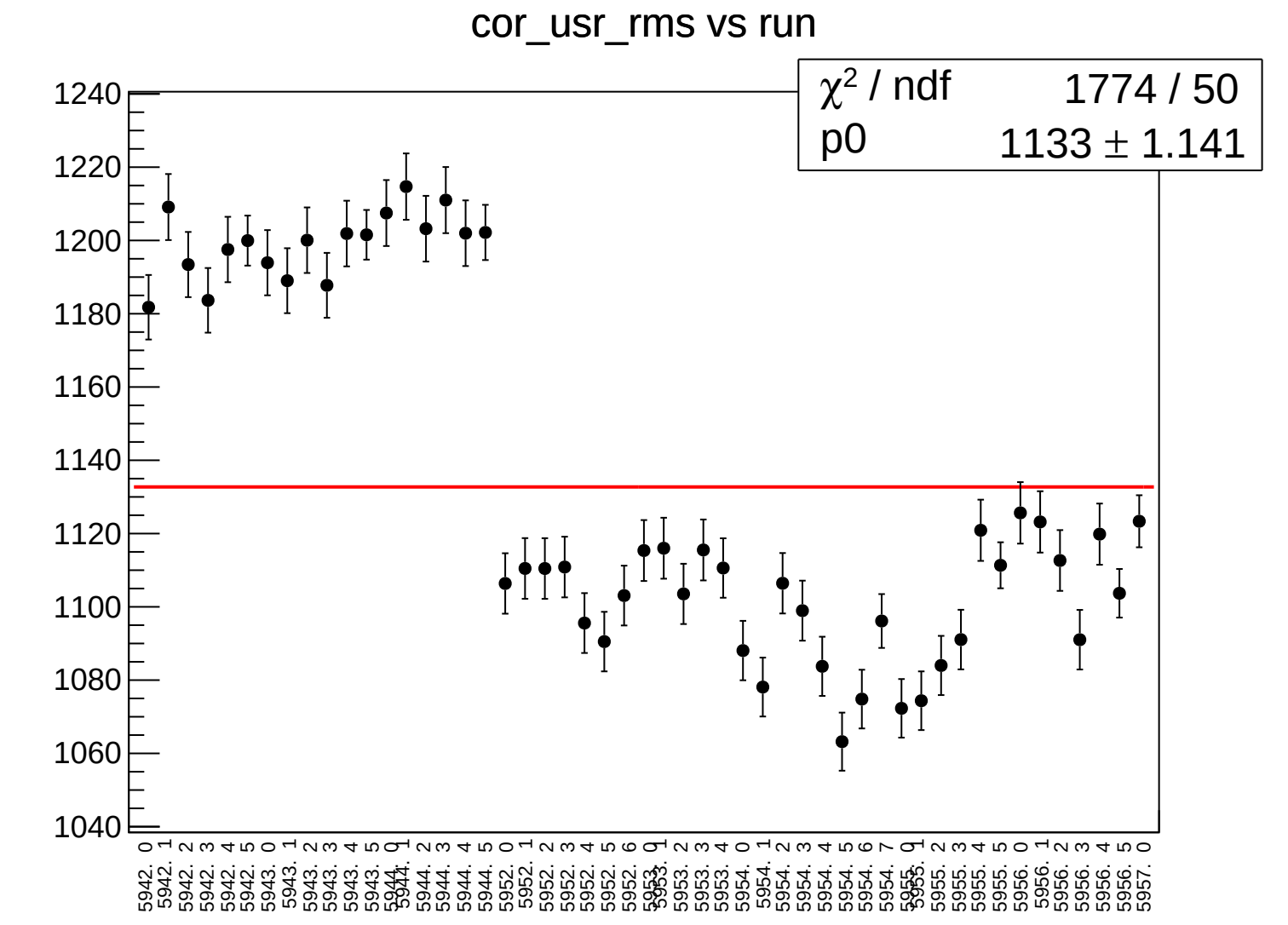

cor_usl_mean vs run
χ² / ndf 41.38 / 50
p0 1378 ± 1615
pull
Entries 51
Mean −87.64
Std Dev 117.5

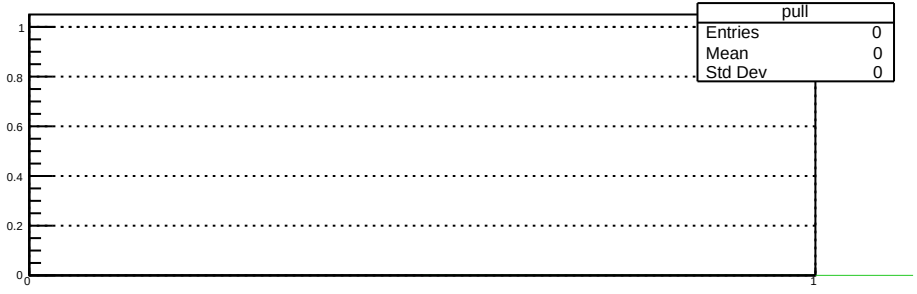

pull1D
Entries 51
Mean −0.02838
Std Dev 0.9003

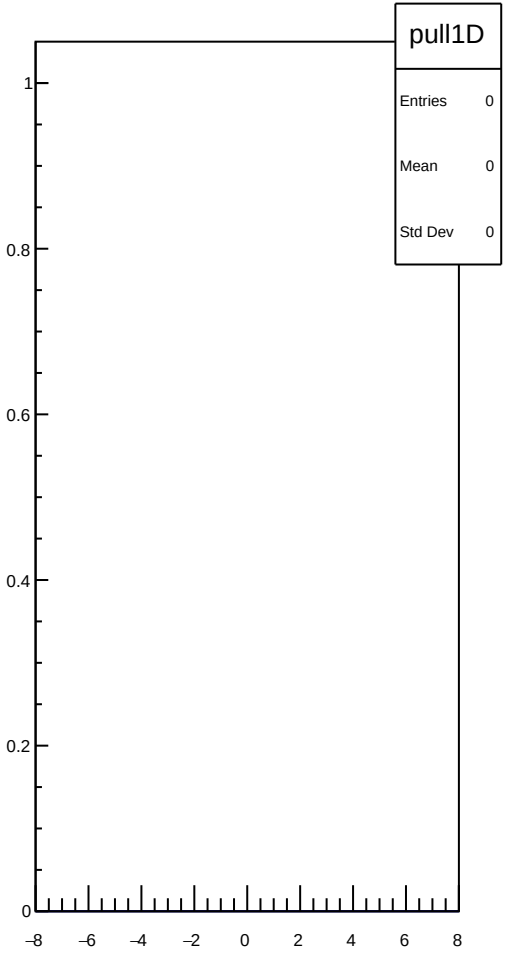

cor_usl_rms vs run
χ² / ndf 1898 / 50
p0 1133 ± 1.142
1240
1220
1200
1180
1160
1140
1120
1100
1080
1060
1040
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
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

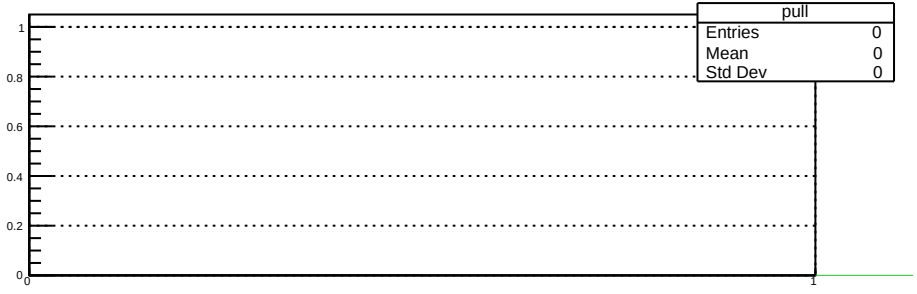

cor_usr_mean vs run
χ² / ndf 48.75 / 50
p0 2738 ± 1614
pull
Entries 51
Mean −790.4
Std Dev 812.5

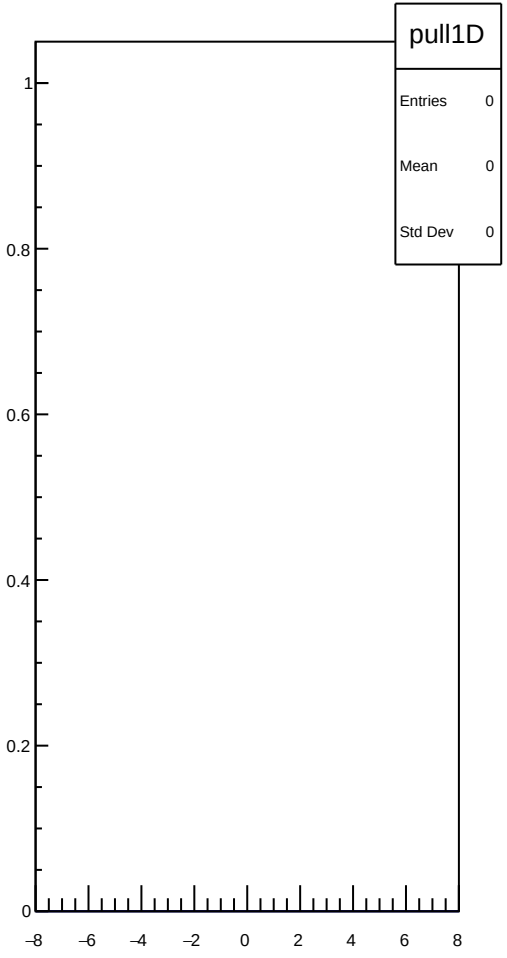

pull1D
Entries 51
Mean −0.002984
Std Dev 0.9777

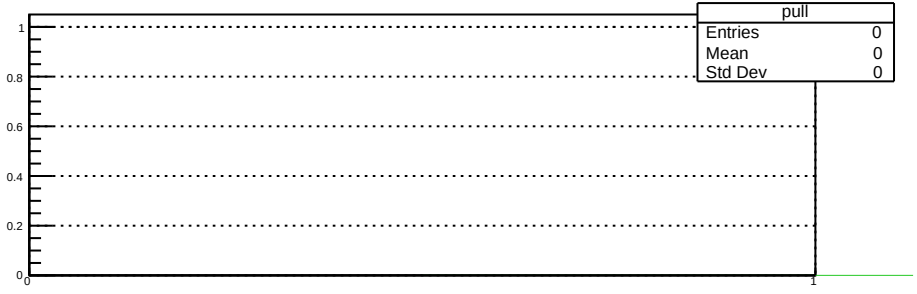

cor_usr_rms vs run
χ² / ndf 1774 / 50
p0 1133 ± 1.141
1240
1220
1200
1180
1160
1140
1120
1100
1080
1060
1040
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
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

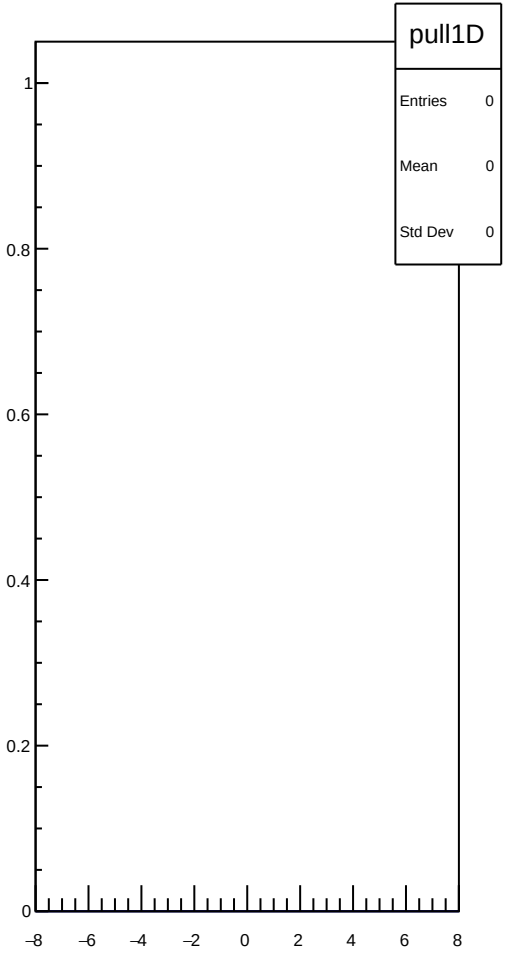

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

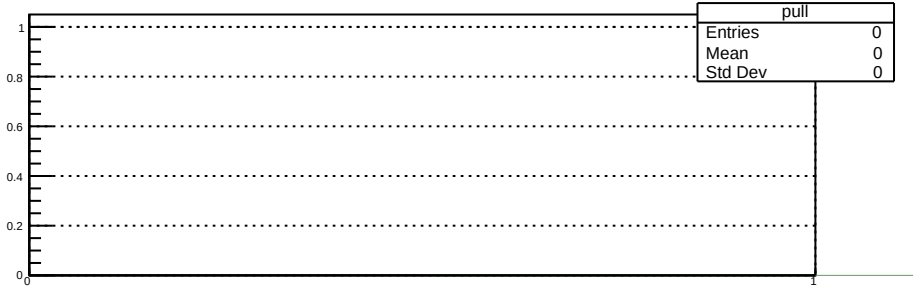

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

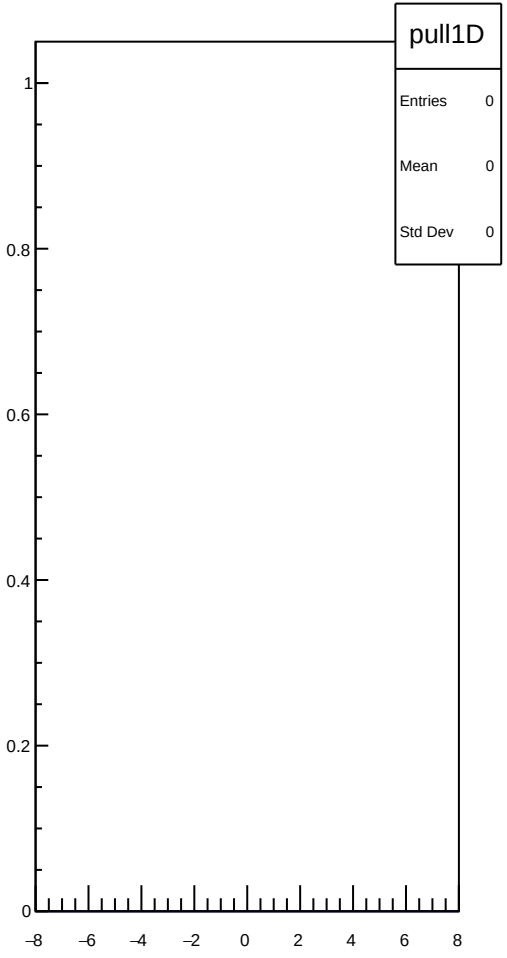

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

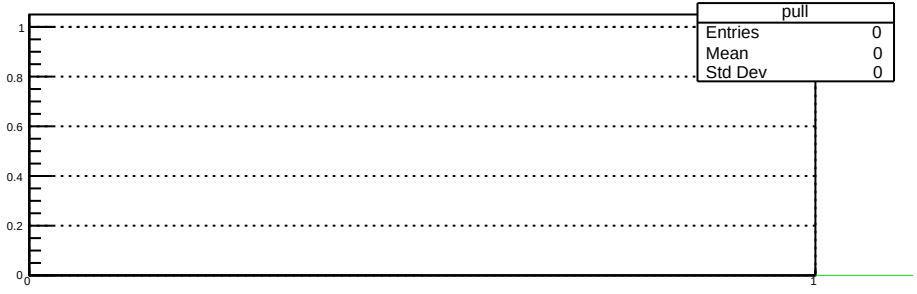

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

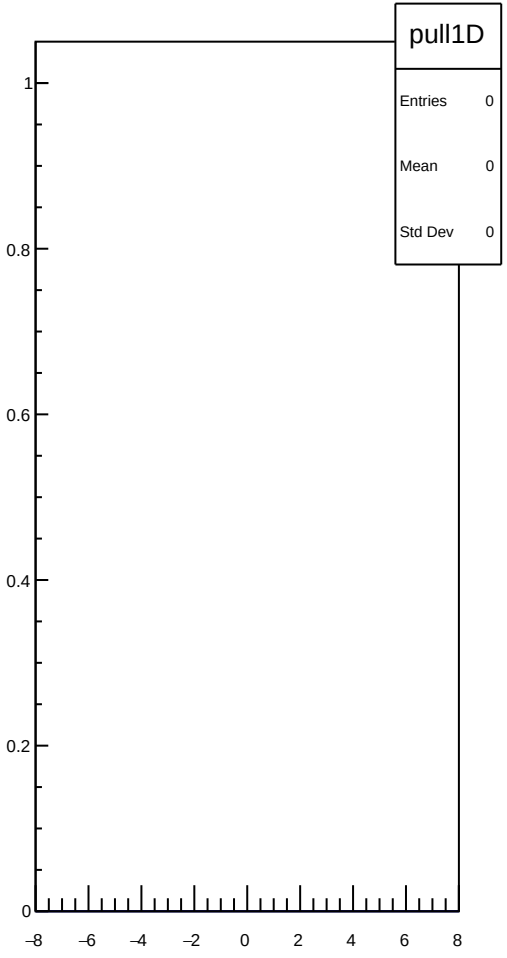

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

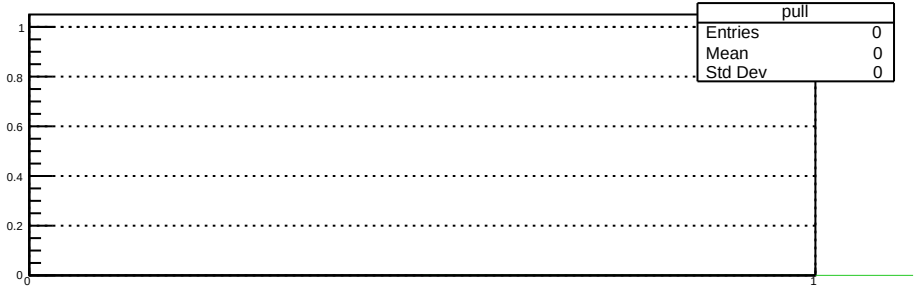

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

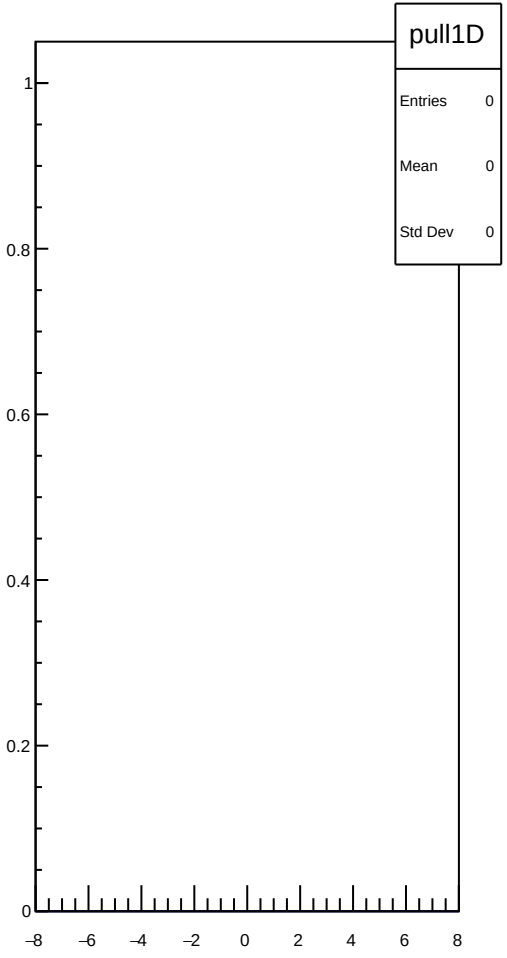

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

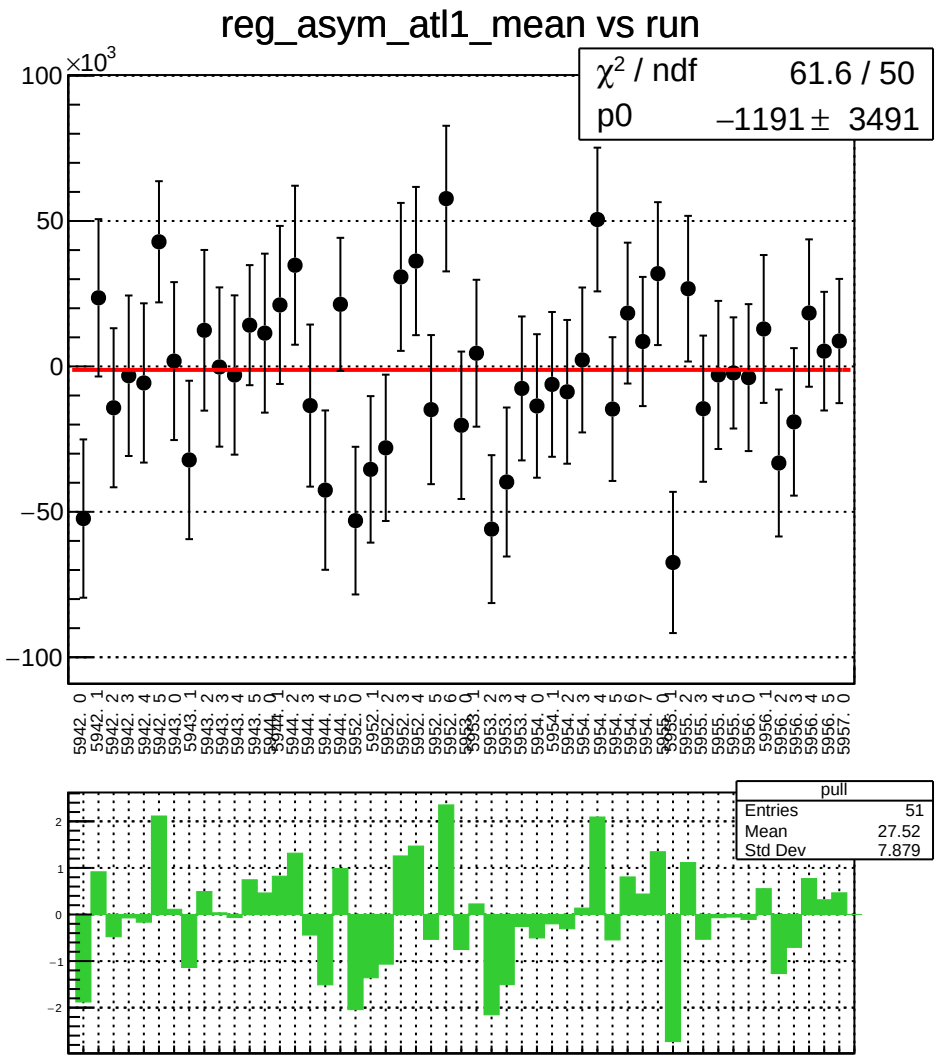

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

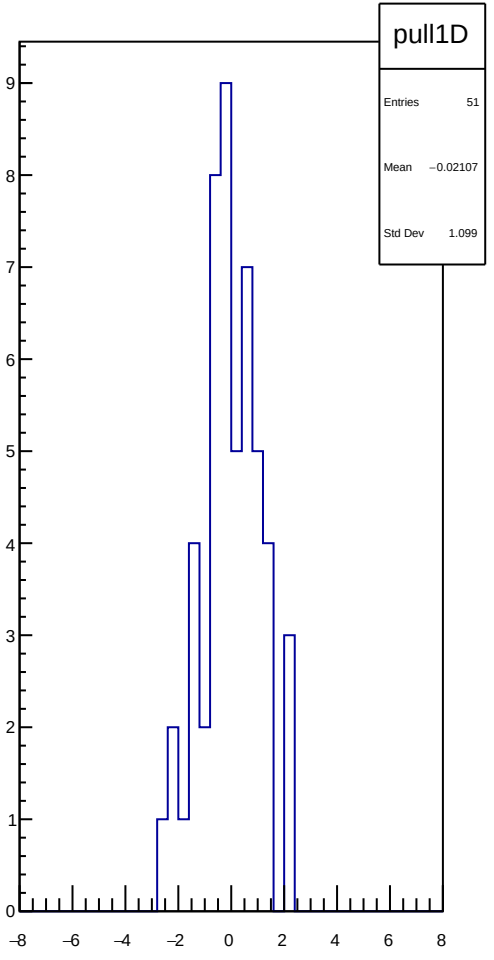

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

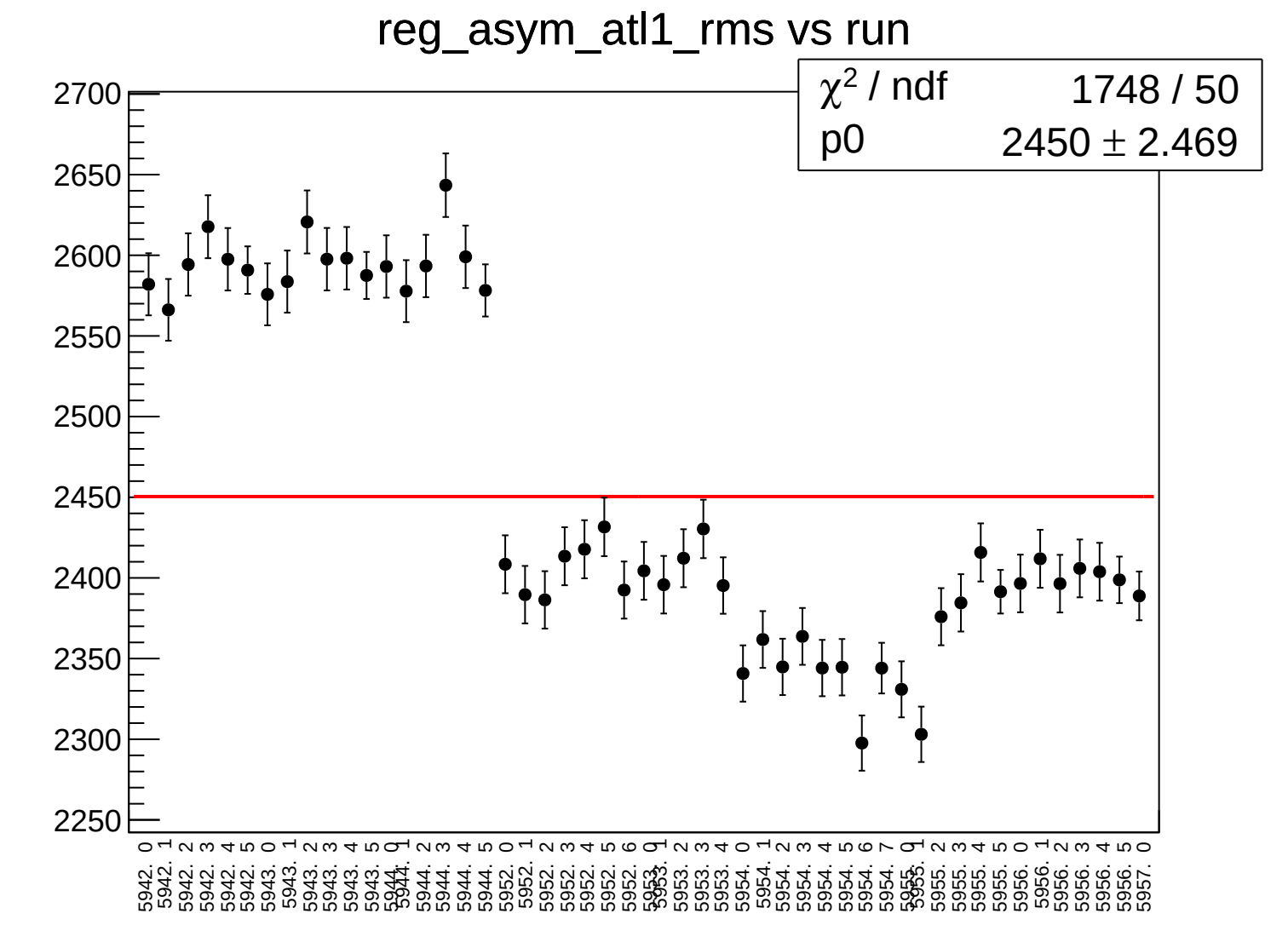

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

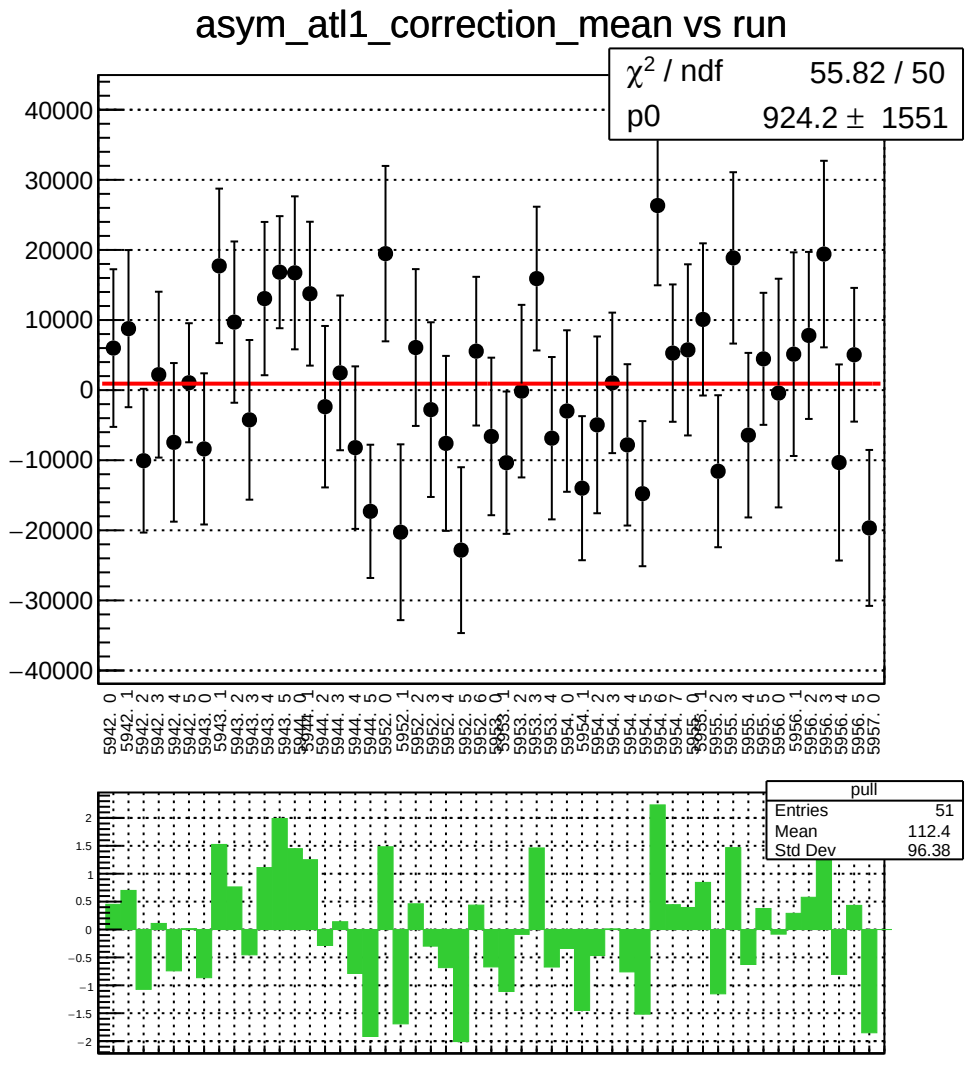

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

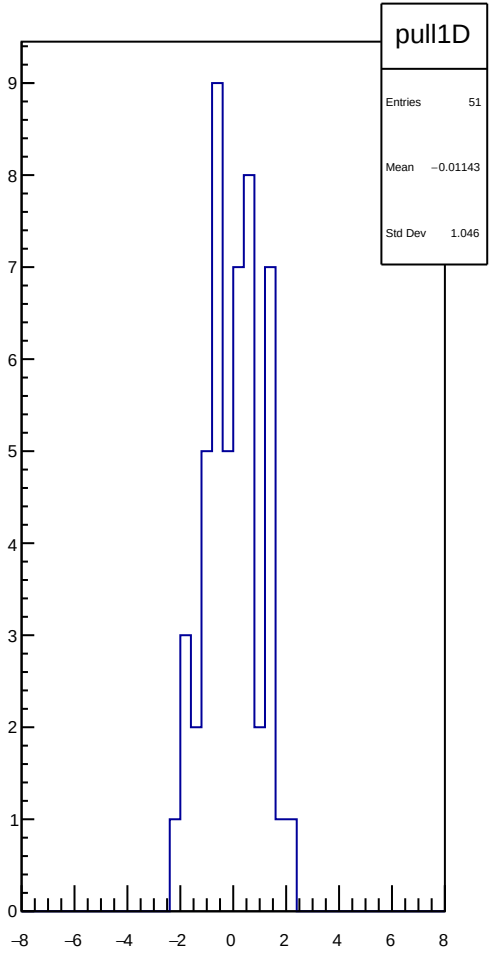

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

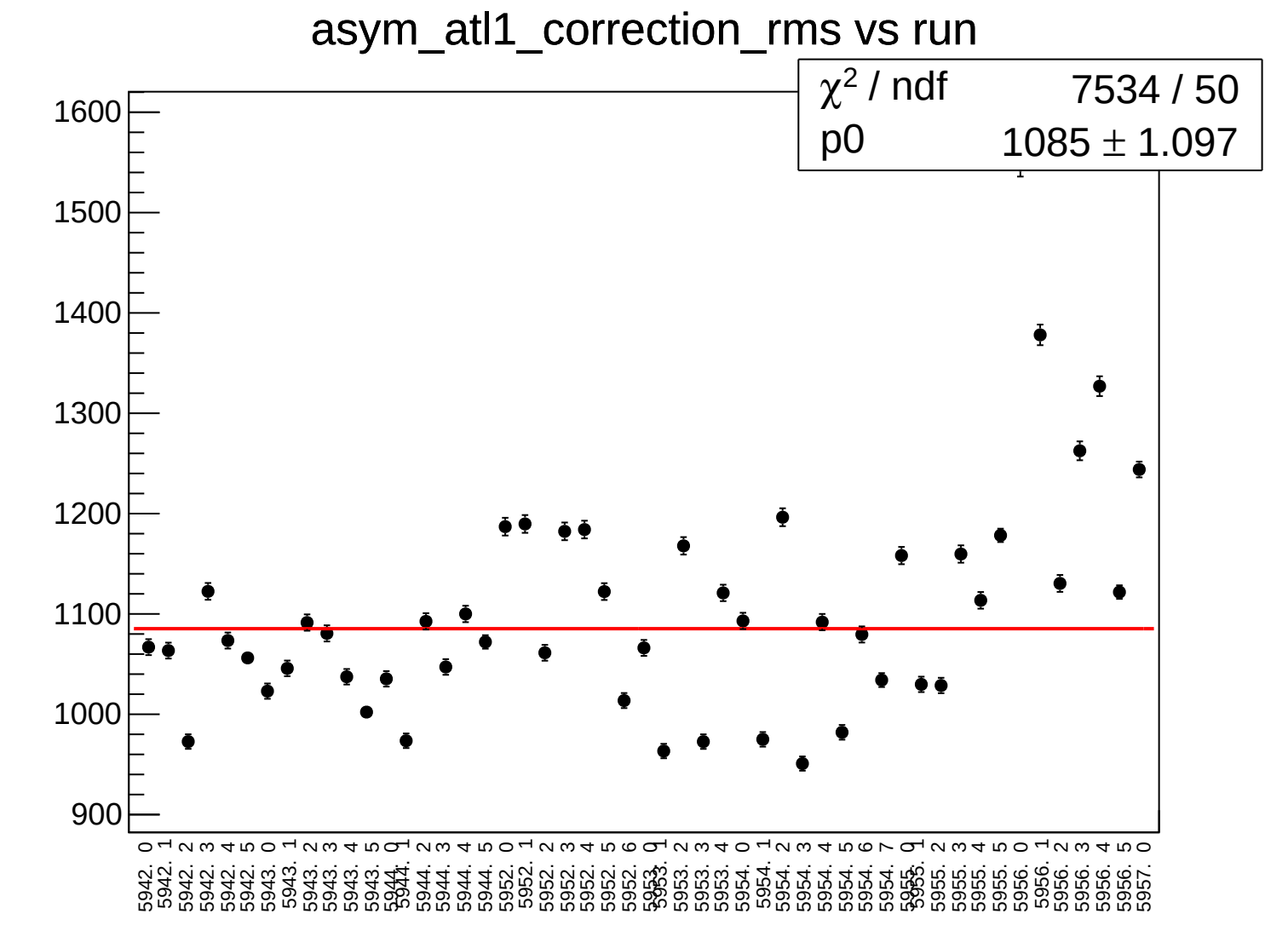

reg_asym_atl1_mean vs run
χ² / ndf 61.6 / 50
p0 −1191 ± 3491
×10³
100
50
0
−50
−100
pull
Entries 51
Mean 27.52
Std Dev 7.879
2
1
0
−1
−2

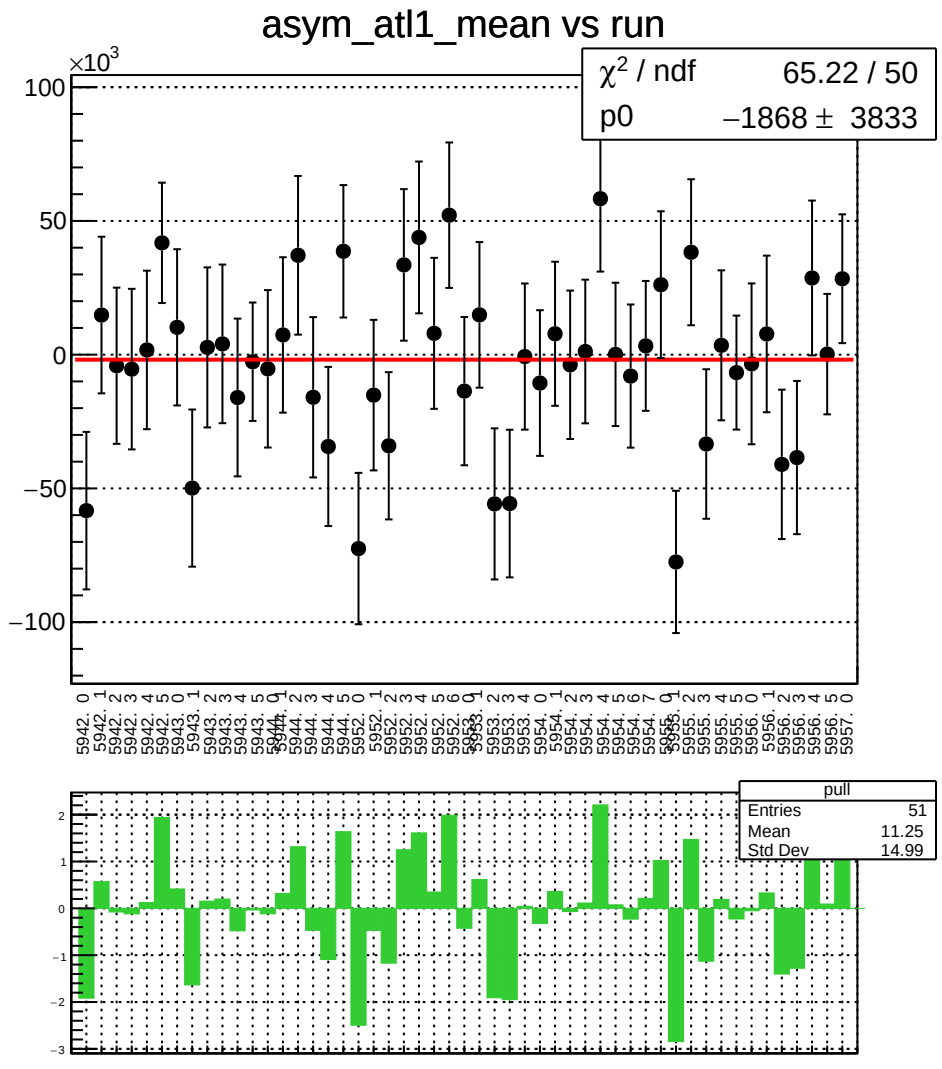

pull1D
Entries 51
Mean −0.02107
Std Dev 1.099
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

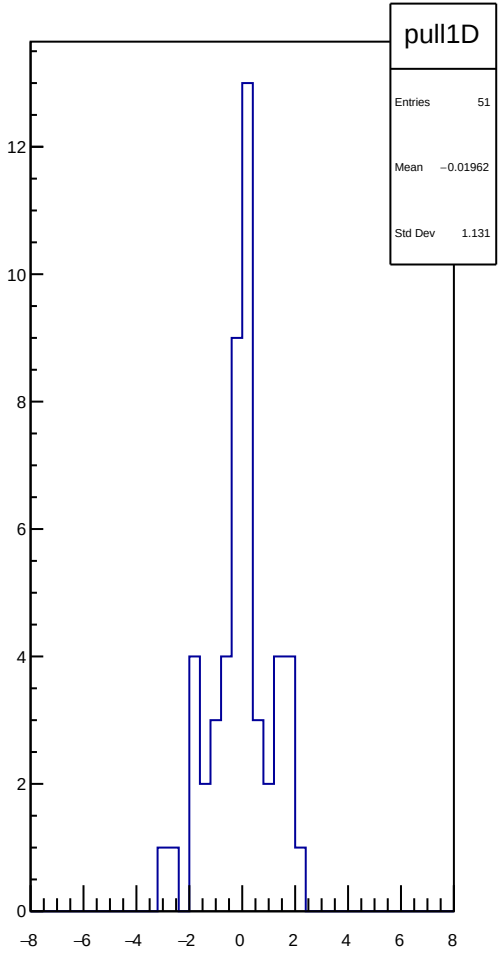

reg_asym_atl1_rms vs run
χ² / ndf 1748 / 50
p0 2450 ± 2.469
2700
2650
2600
2550
2500
2450
2400
2350
2300
2250
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
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

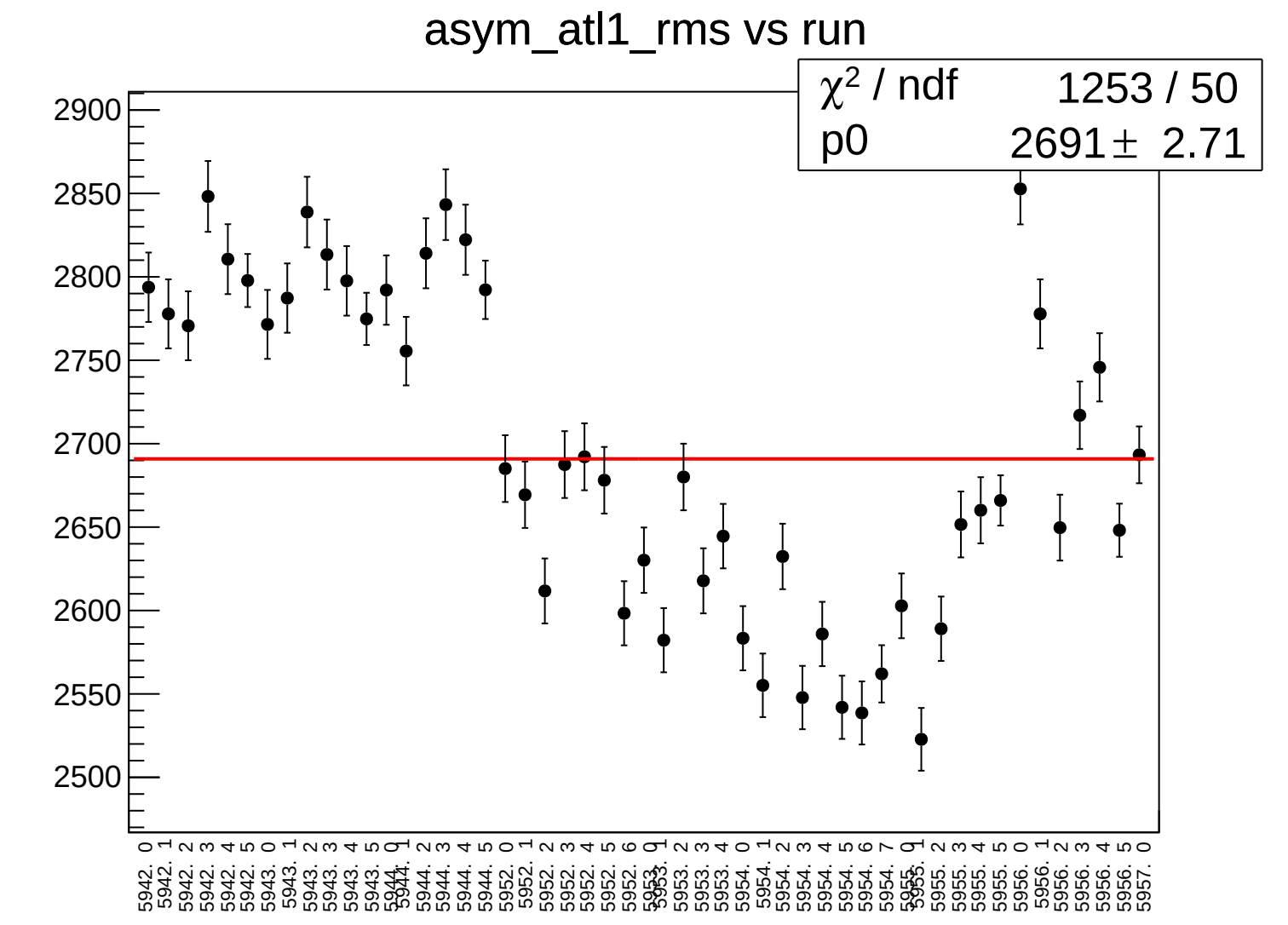

asym_atl1_correction_mean vs run
χ² / ndf 55.82 / 50
p0 924.2 ± 1551
pull
Entries 51
Mean 112.4
Std Dev 96.38

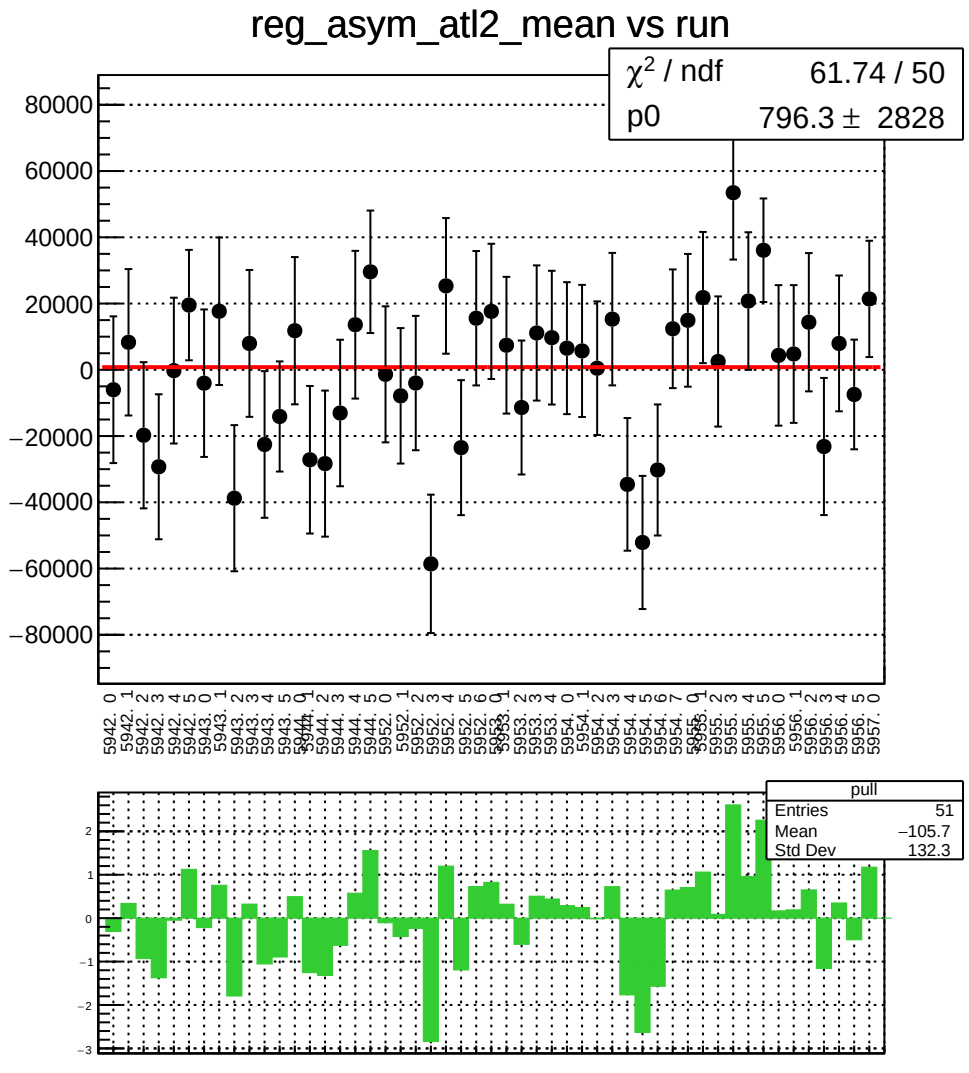

pull1D
Entries 51
Mean −0.01143
Std Dev 1.046

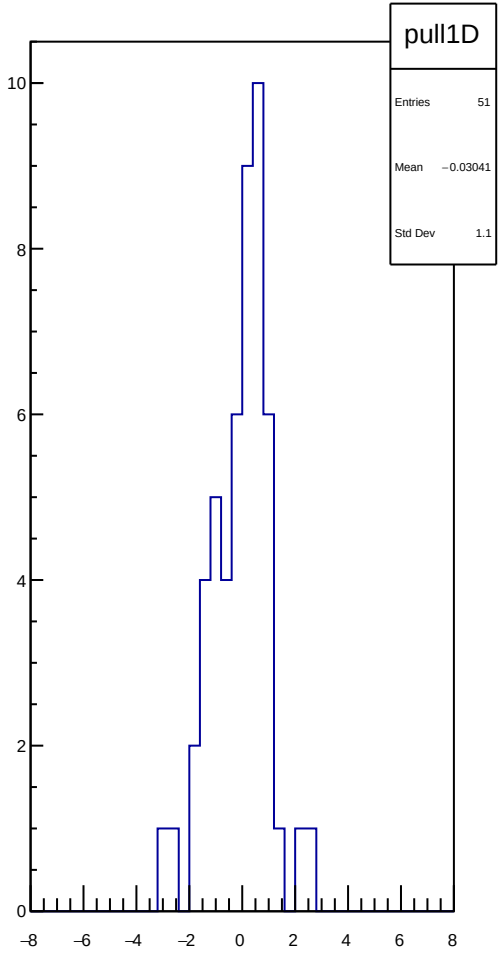

asym_atl1_correction_rms vs run
χ² / ndf 7534 / 50
p0 1085 ± 1.097
1600
1500
1400
1300
1200
1100
1000
900
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 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

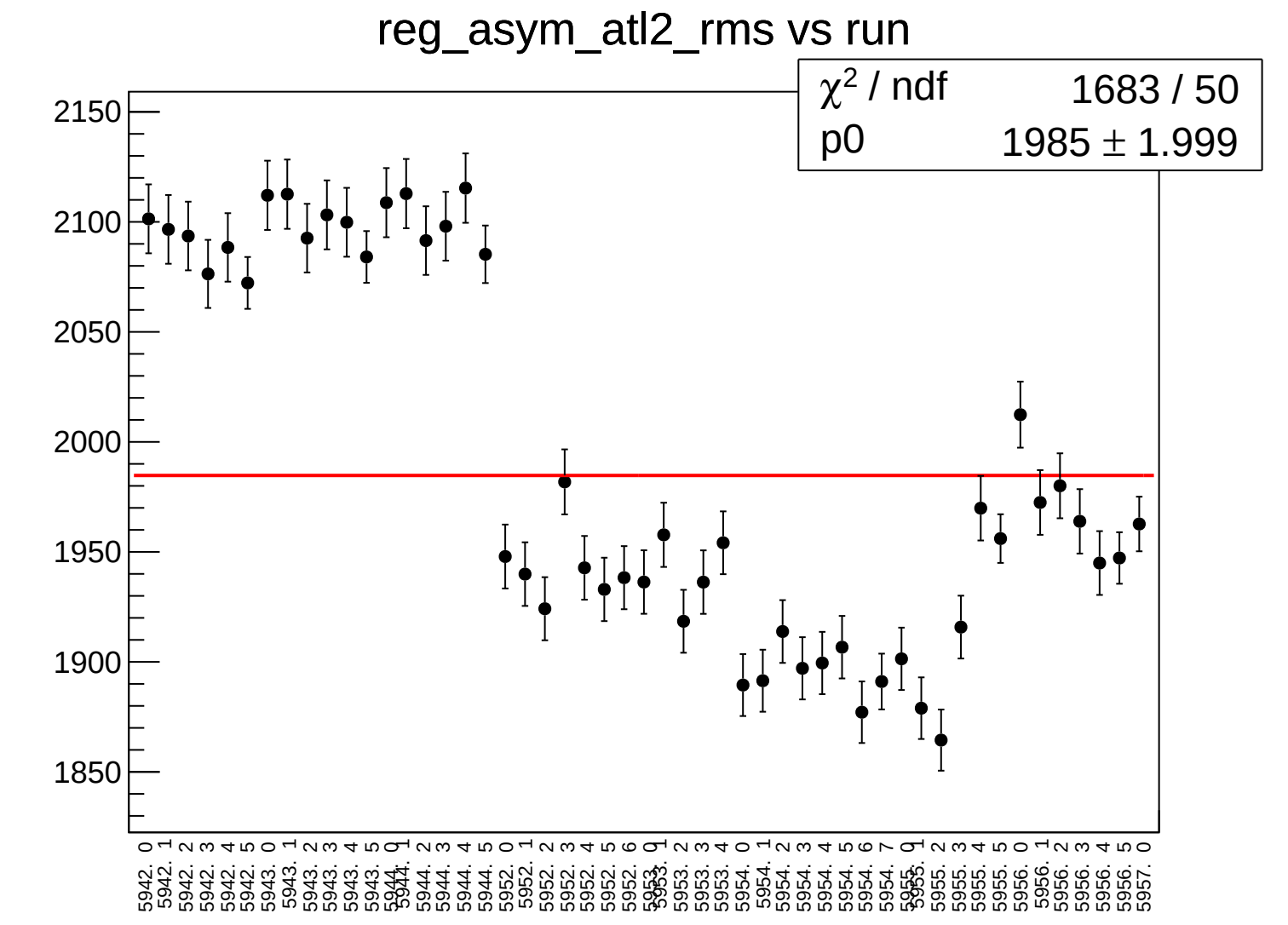

asym_atl1_mean vs run
×10^3
χ² / ndf 65.22 / 50
p0 −1868 ± 3833
pull
Entries 51
Mean 11.25
Std Dev 14.99

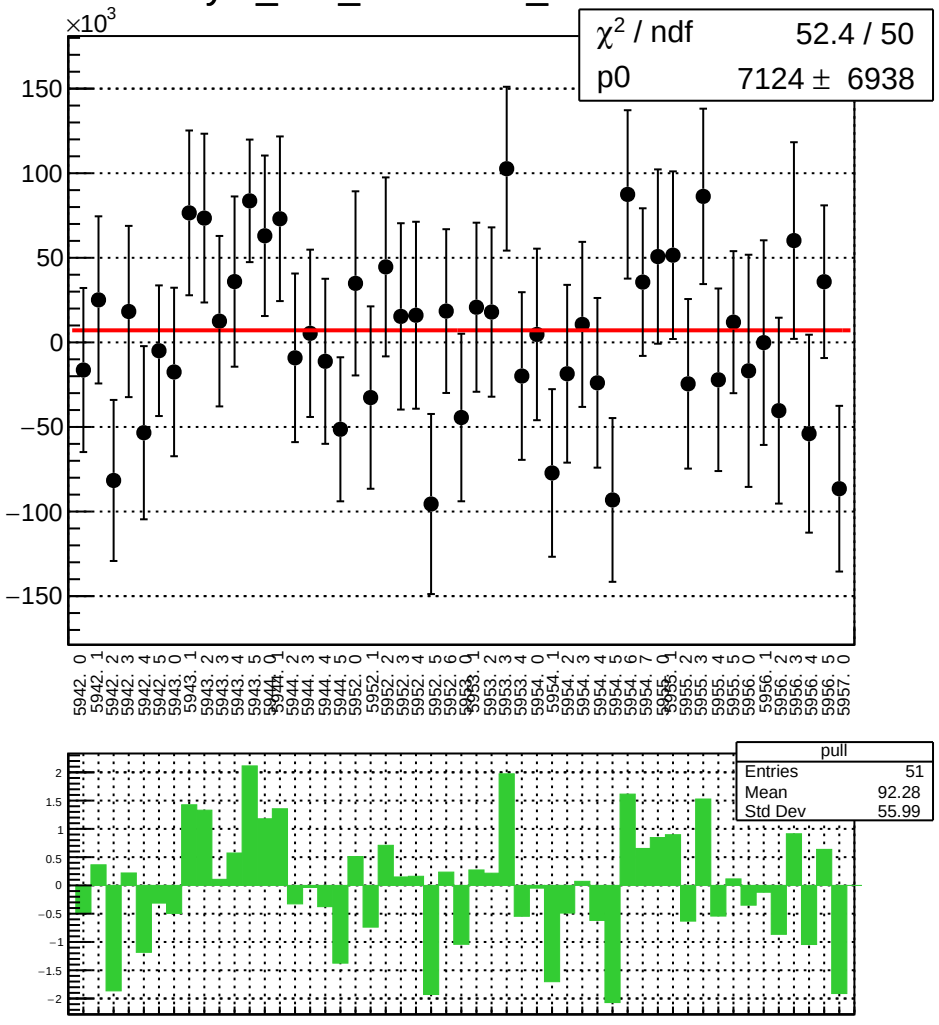

pull1D
Entries 51
Mean −0.01962
Std Dev 1.131

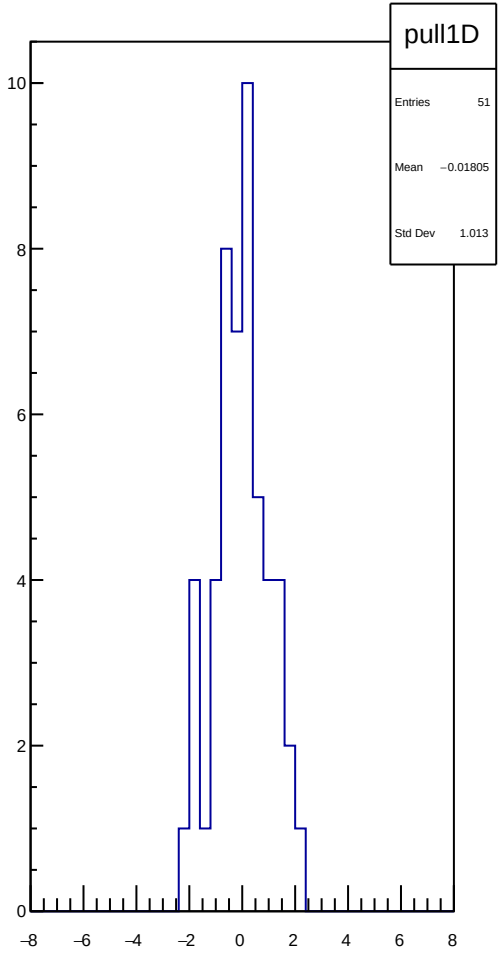

asym_atl1_rms vs run
χ² / ndf 1253 / 50
p0 2691 ± 2.71
2900
2850
2800
2750
2700
2650
2600
2550
2500
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 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

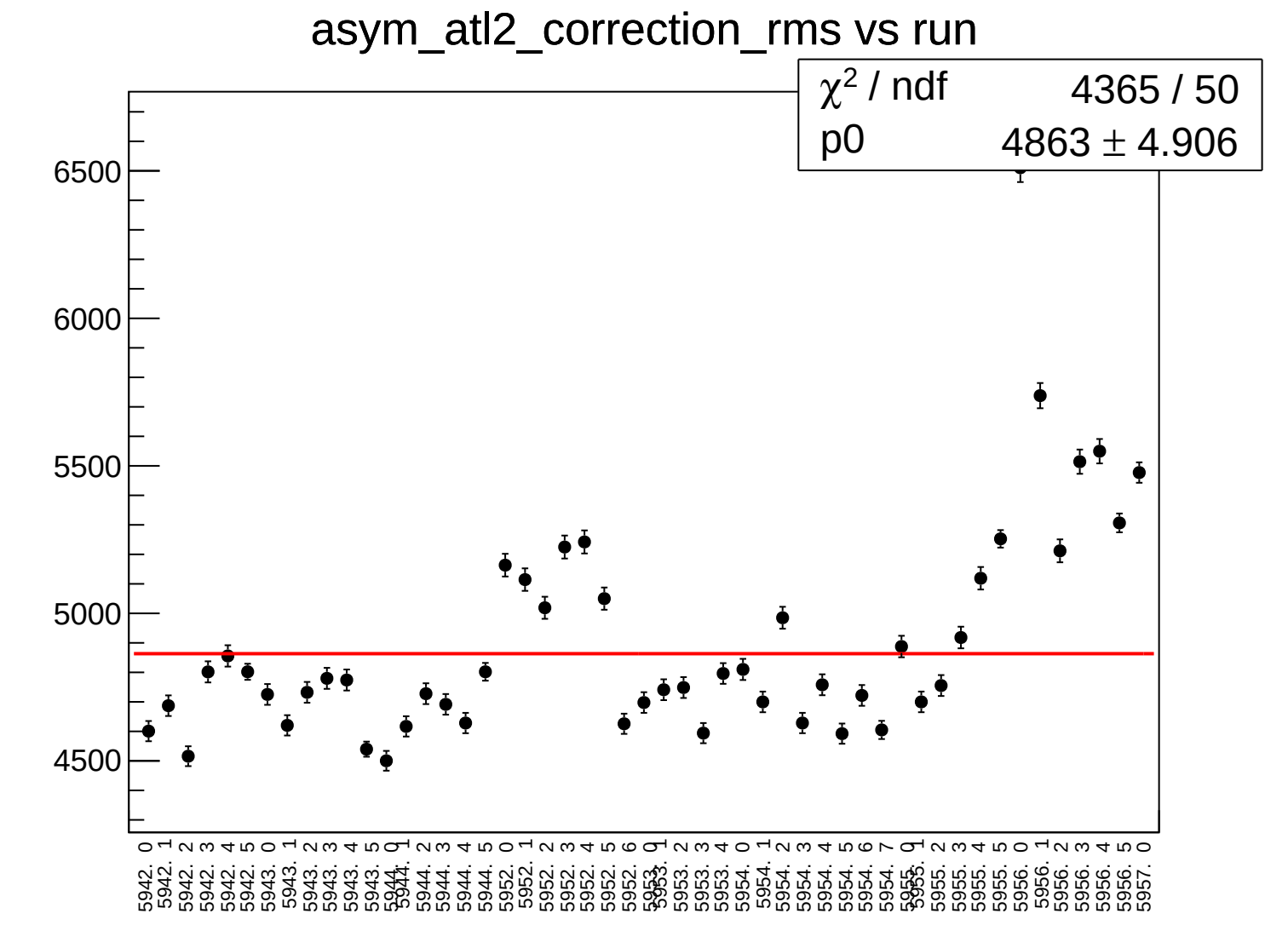

reg_asym_atl2_mean vs run
χ² / ndf 61.74 / 50
p0 796.3 ± 2828
pull
Entries 51
Mean −105.7
Std Dev 132.3

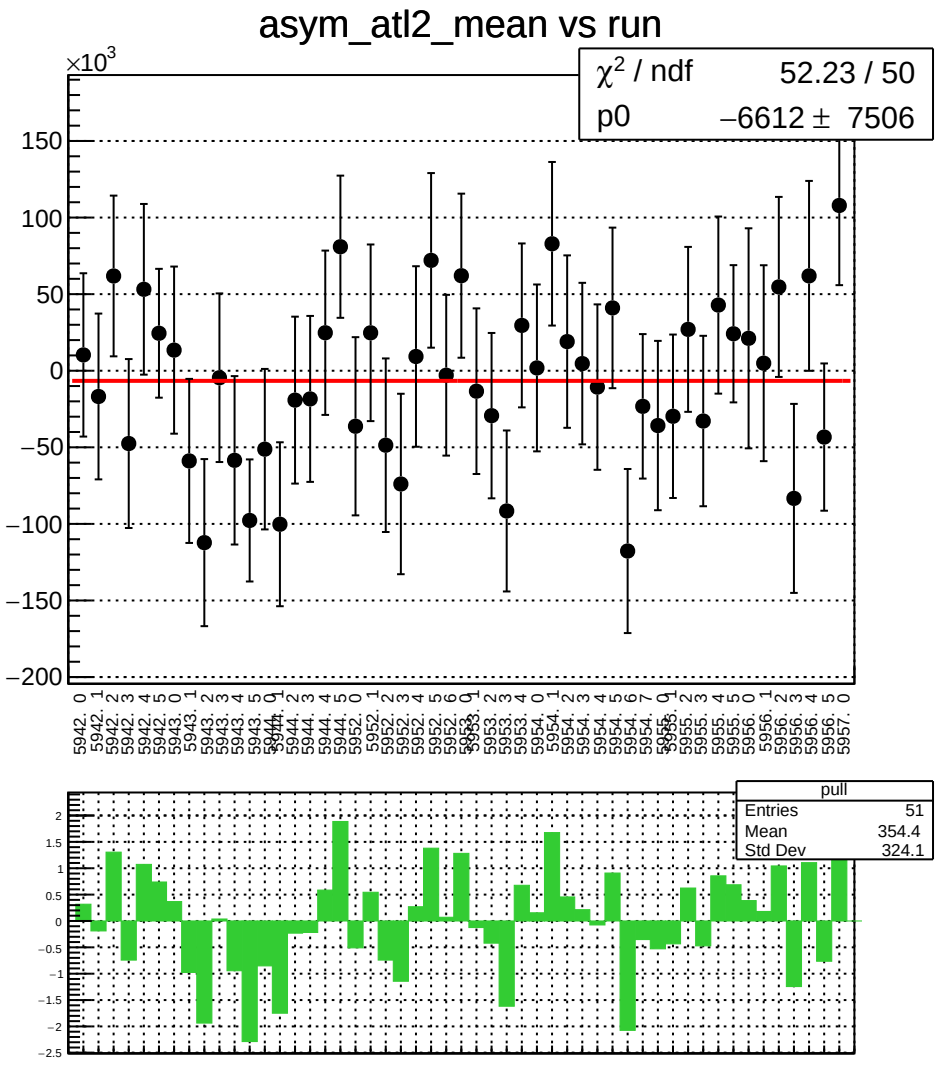

pull1D
Entries 51
Mean −0.03041
Std Dev 1.1

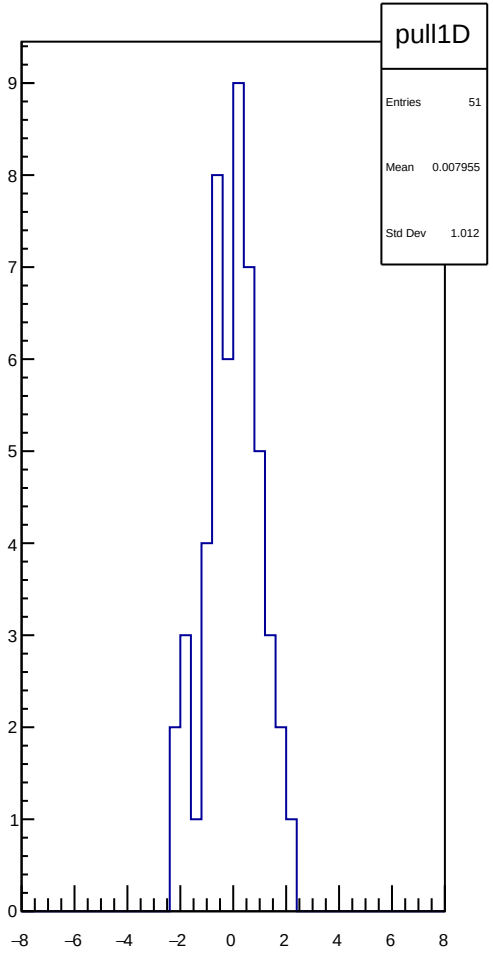

reg_asym_atl2_rms vs run
χ² / ndf 1683 / 50
p0 1985 ± 1.999
2150
2100
2050
2000
1950
1900
1850
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 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

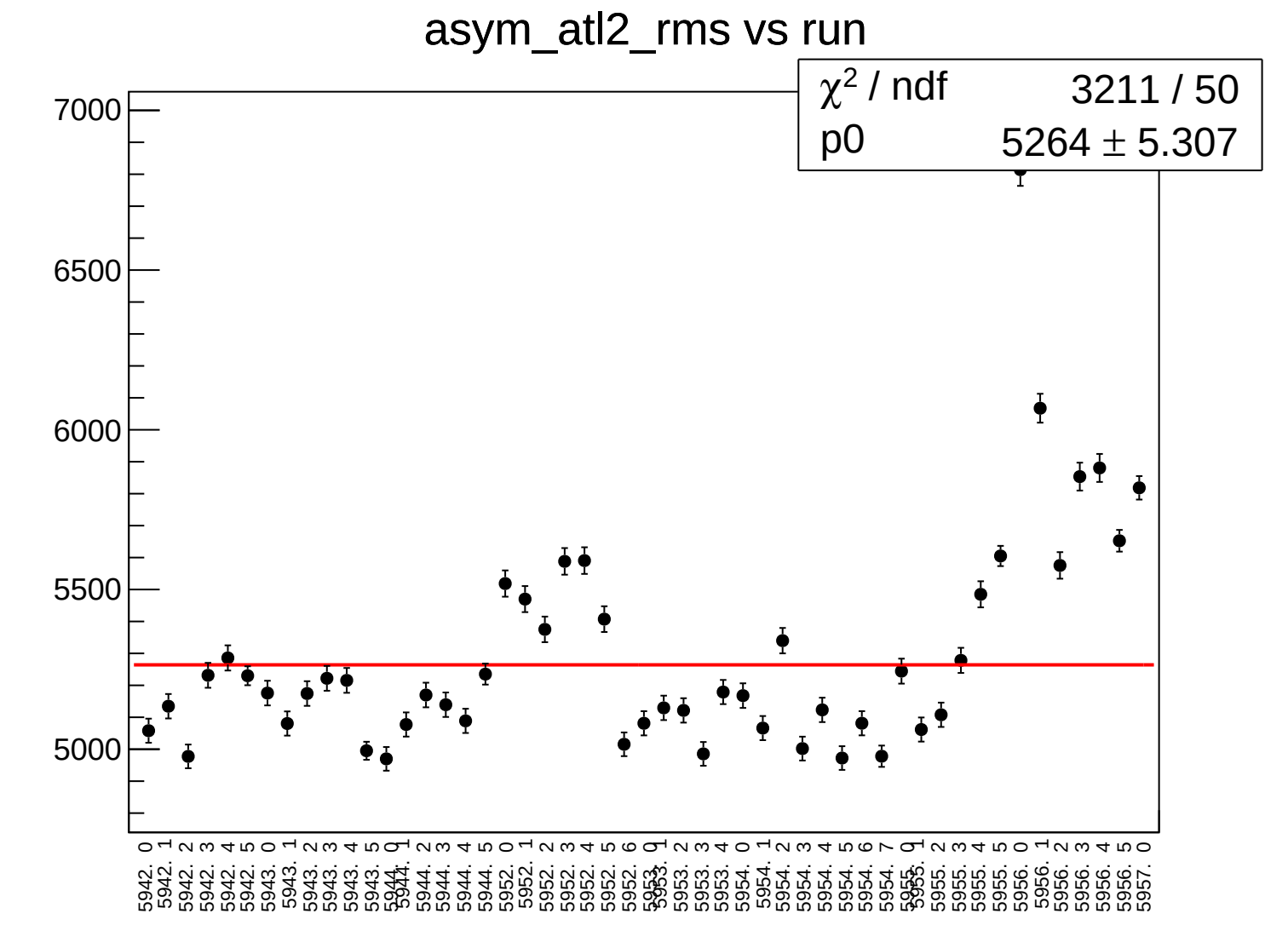

asym_atl2_correction_mean vs run
×10^3
χ^2 / ndf 52.4 / 50
p0 7124 ± 6938
150
100
50
0
−50
−100
−150
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5952. 9
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
5956. 0
5957. 0
pull
Entries 51
Mean 92.28
Std Dev 55.99
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

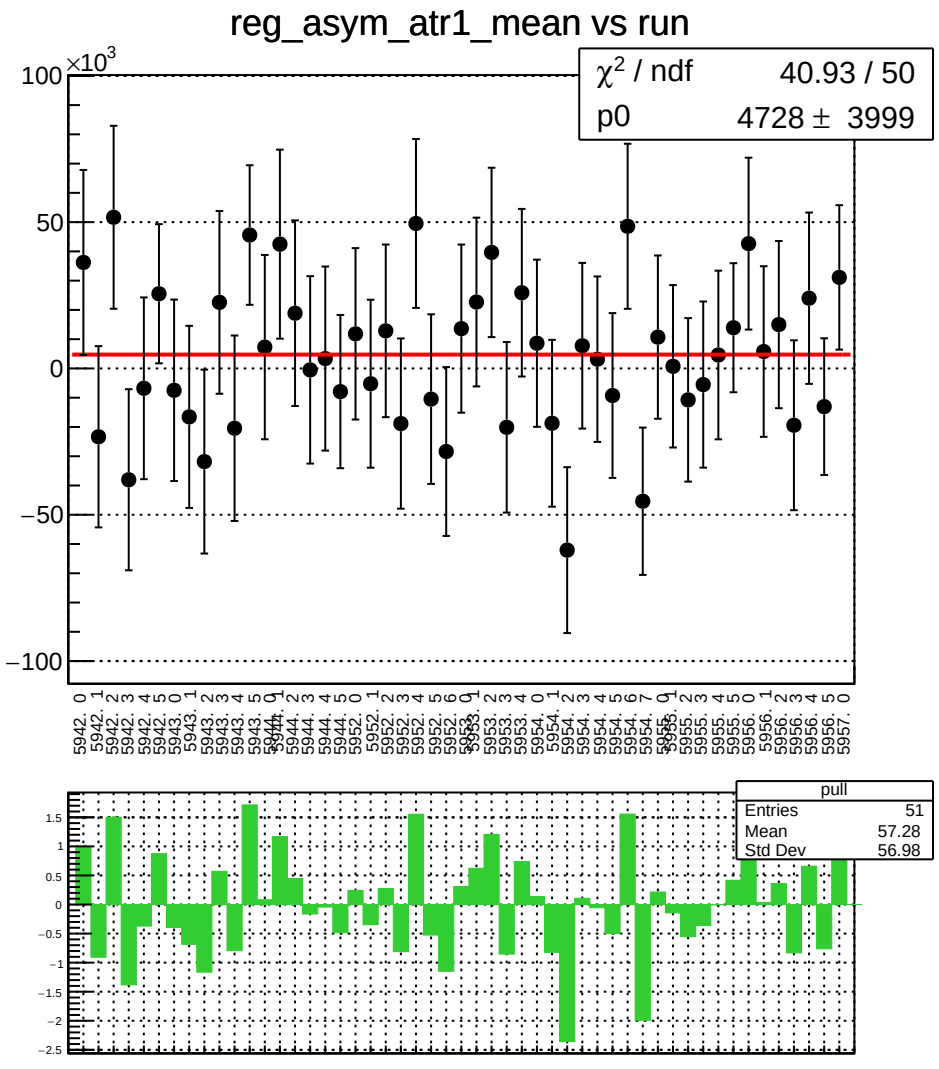

pull1D
Entries 51
Mean −0.01805
Std Dev 1.013
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

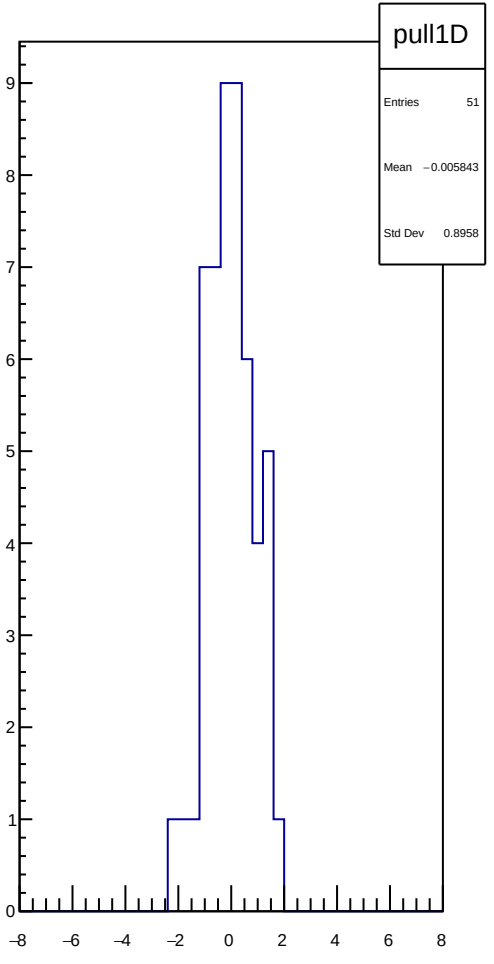

asym_atl2_correction_rms vs run
χ² / ndf 4365 / 50
p0 4863 ± 4.906
6500
6000
5500
5000
4500
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 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

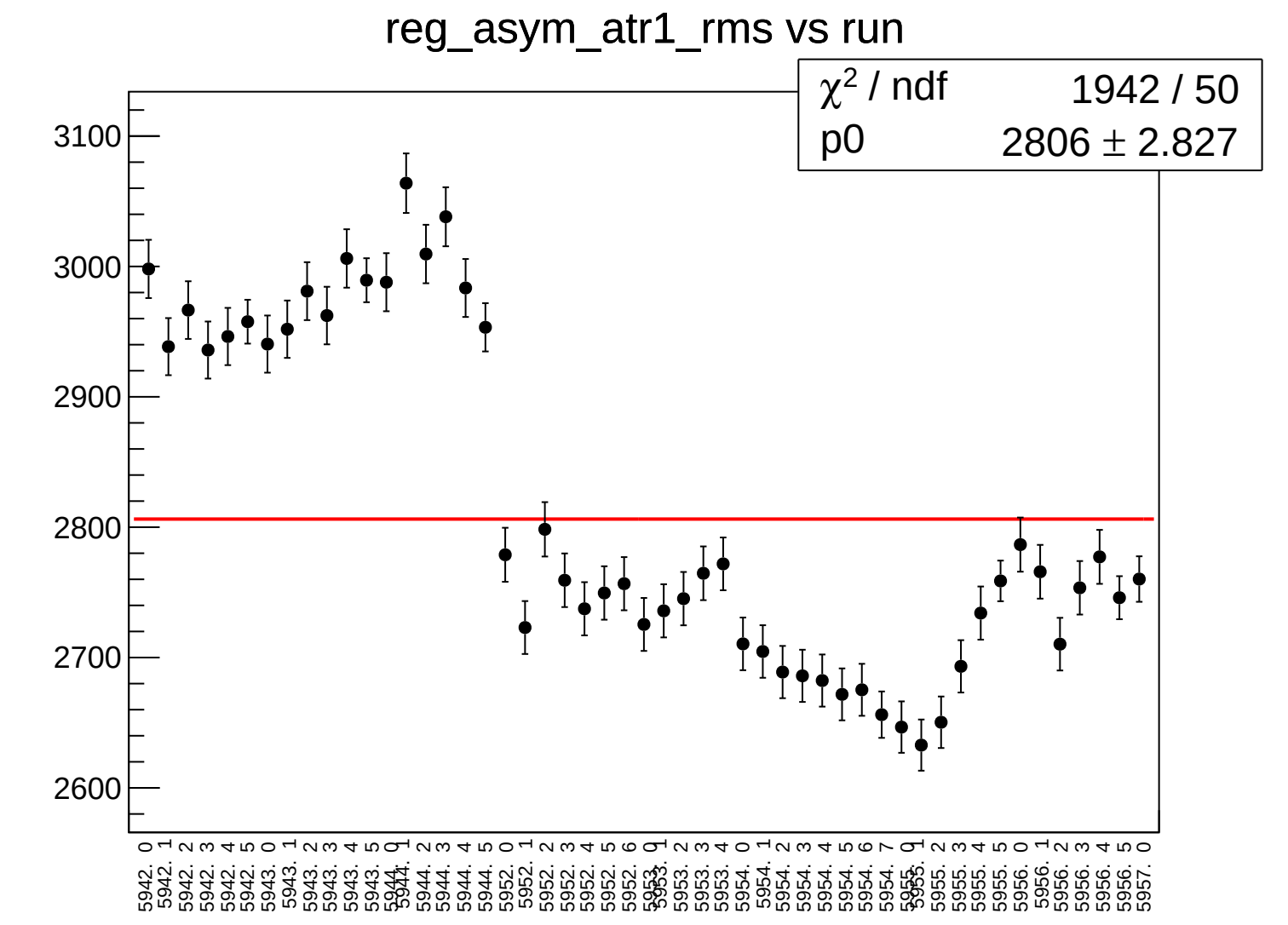

asym_atl2_mean vs run
×10^3
χ^2 / ndf 52.23 / 50
p0 −6612 ± 7506
150
100
50
0
−50
−100
−150
−200
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5952. 9
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. 1
5955. 2
5955. 3
5955. 4
5955. 5
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0
pull
Entries 51
Mean 354.4
Std Dev 324.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

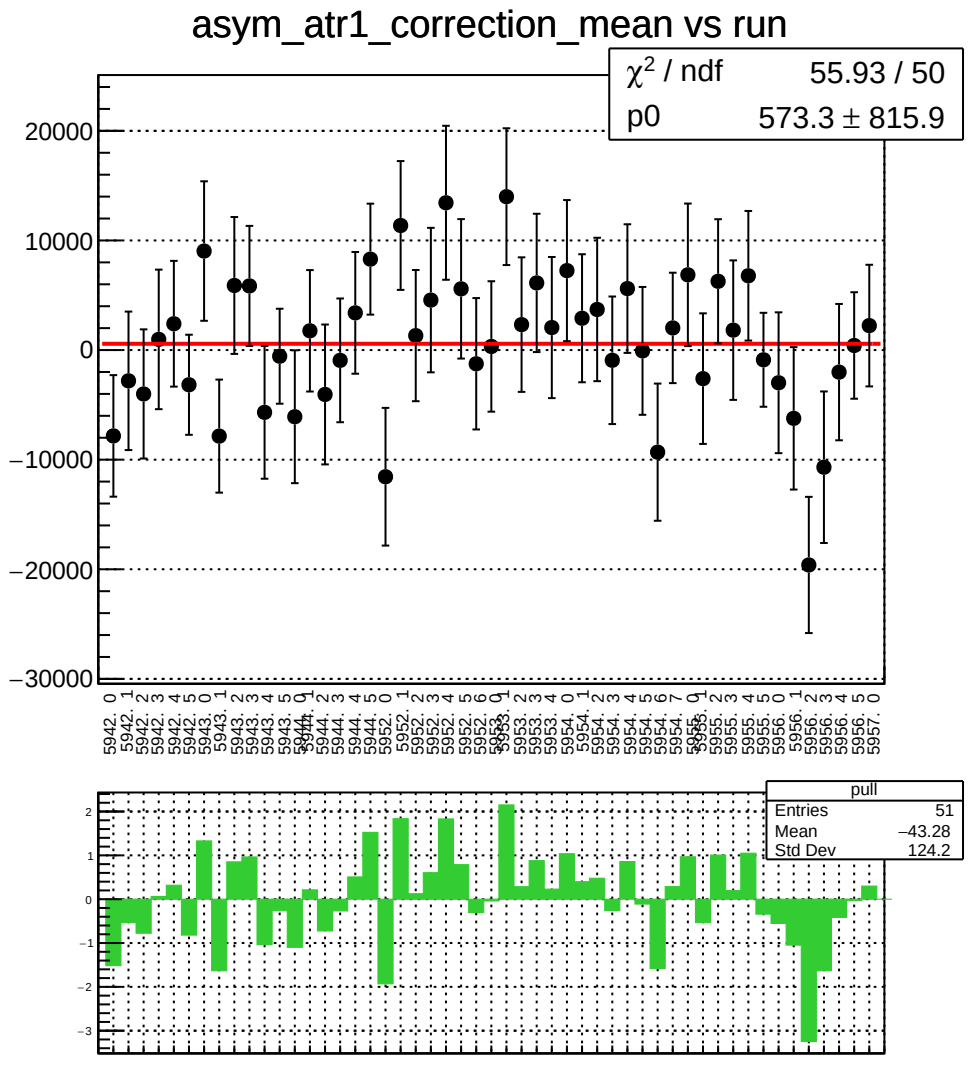

pull1D
Entries 51
Mean 0.007955
Std Dev 1.012
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

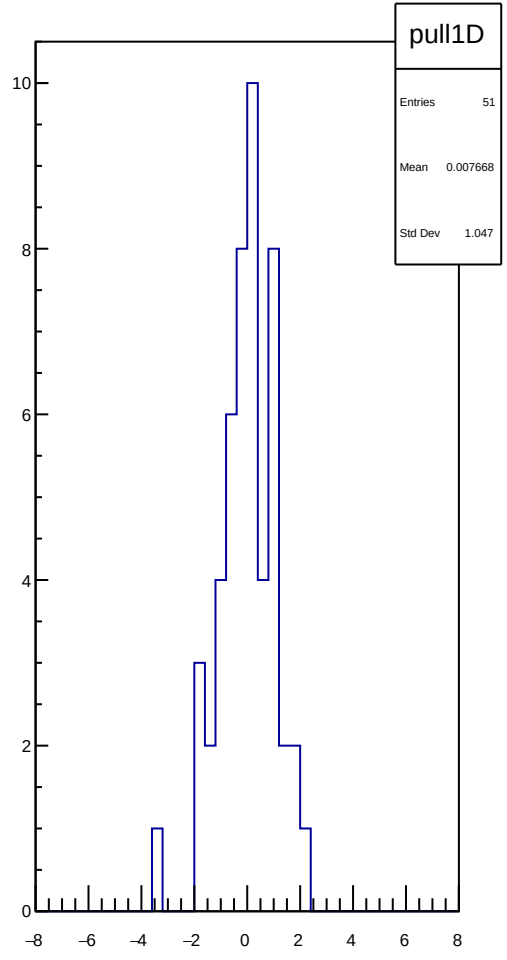

asym_atl2_rms vs run
χ² / ndf 3211 / 50
p0 5264 ± 5.307
7000
6500
6000
5500
5000
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 1
5953. 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

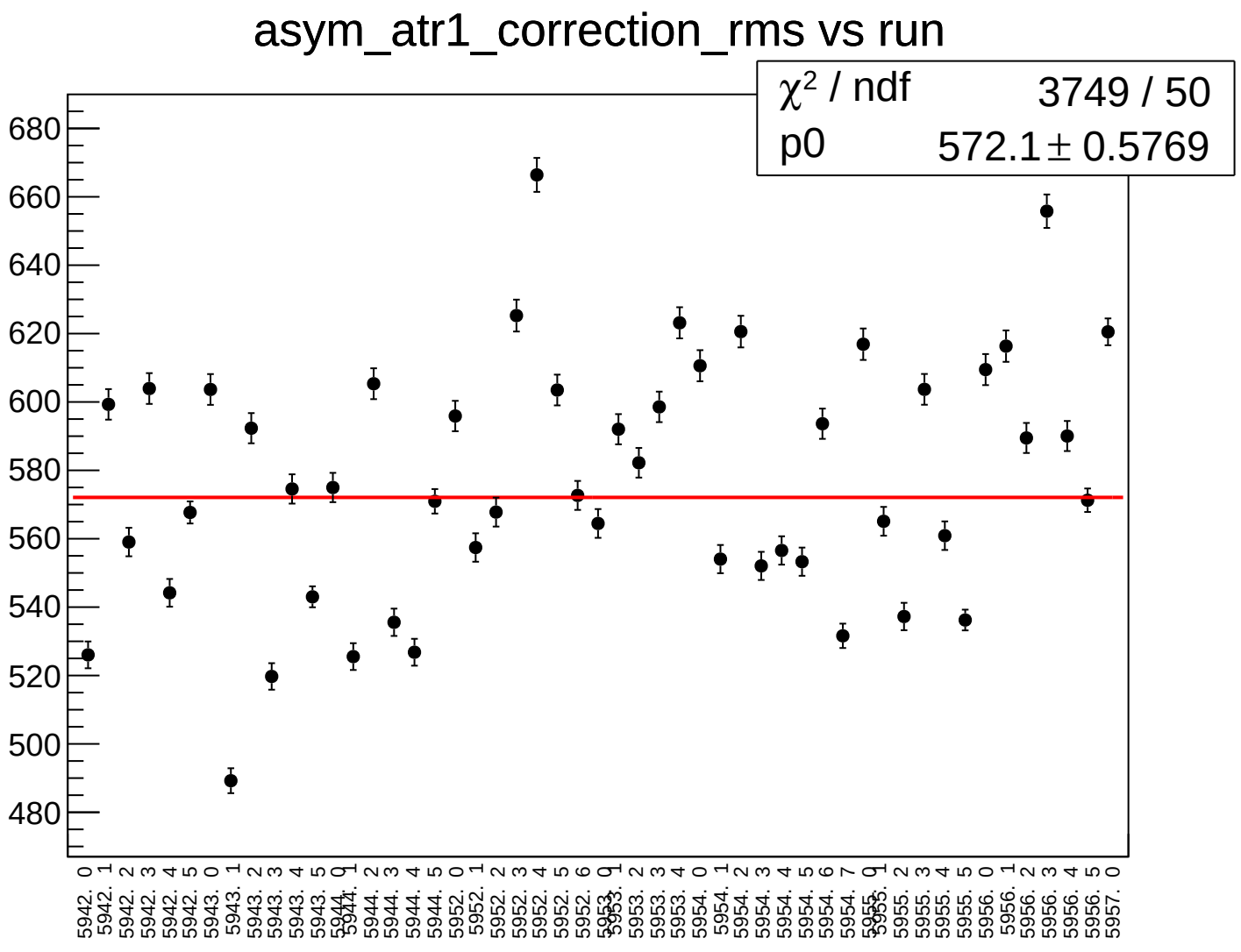

reg_asym_atr1_mean vs run
χ^2 / ndf 40.93 / 50
p0 4728 ± 3999
×10^3
100
50
0
−50
−100
pull
Entries 51
Mean 57.28
Std Dev 56.98
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

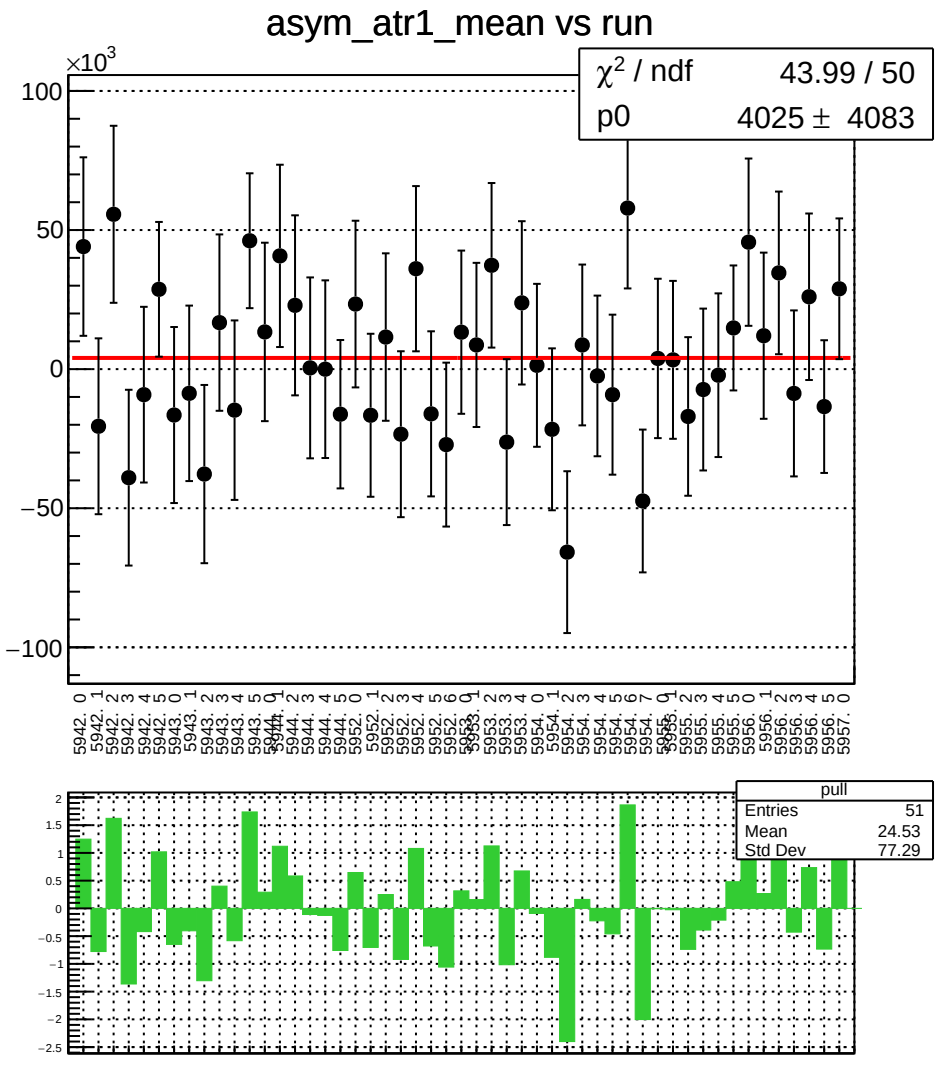

pull1D
Entries 51
Mean −0.005843
Std Dev 0.8958
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

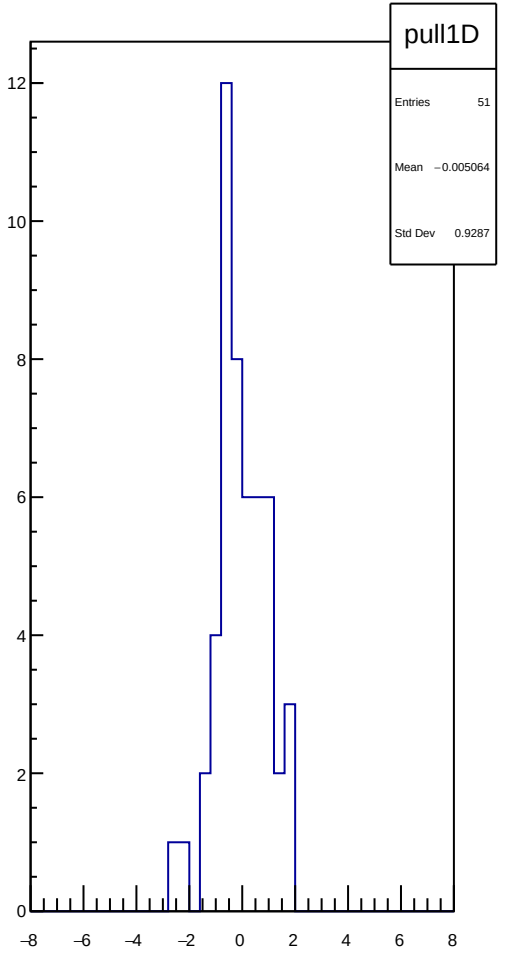

reg_asym_atr1_rms vs run
χ² / ndf 1942 / 50
p0 2806 ± 2.827
3100
3000
2900
2800
2700
2600
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 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

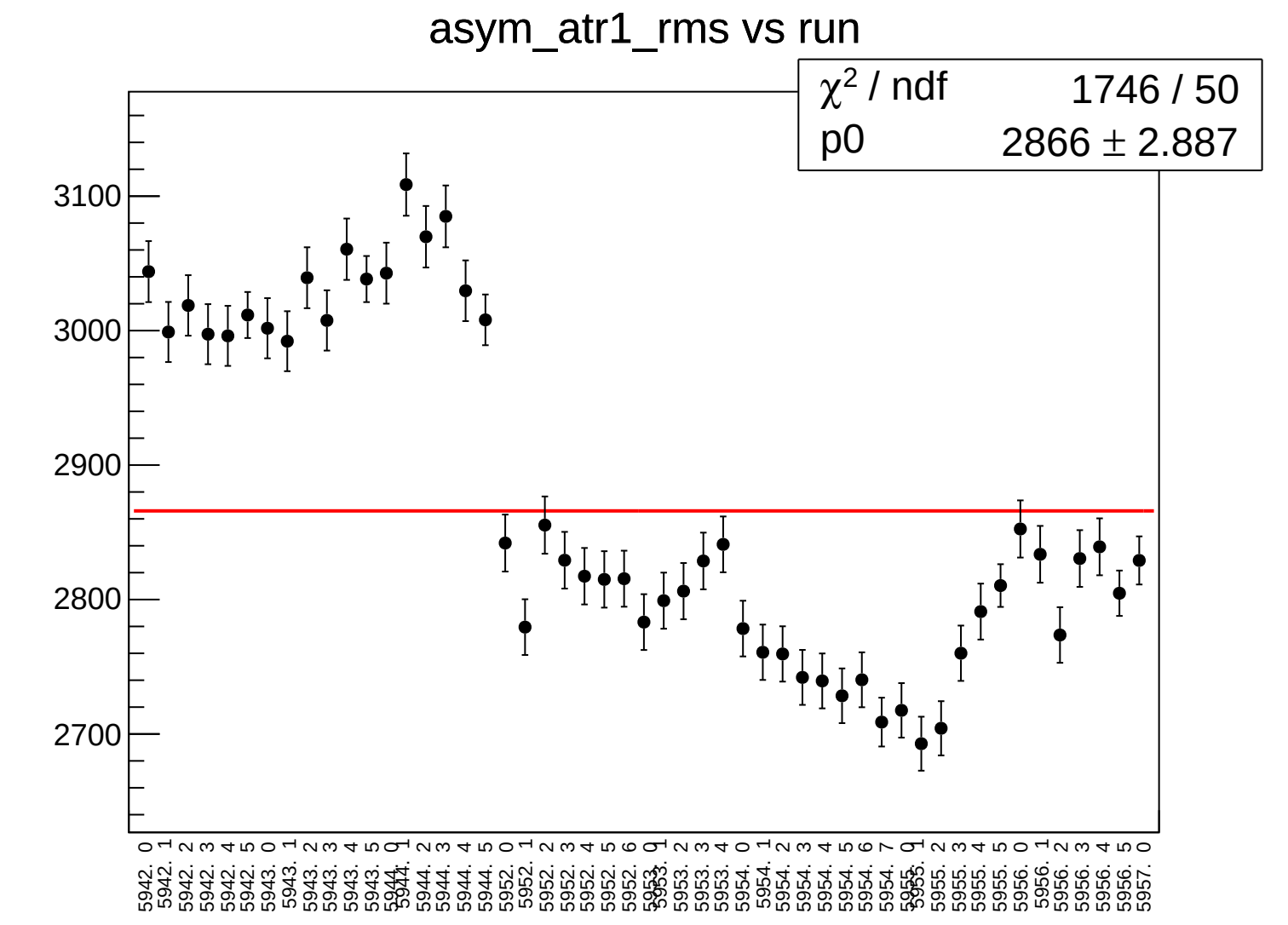

asym_atr1_correction_mean vs run
χ² / ndf 55.93 / 50
p0 573.3 ± 815.9
20000
10000
0
−10000
−20000
−30000
pull
Entries 51
Mean −43.28
Std Dev 124.2
2
1
0
−1
−2
−3

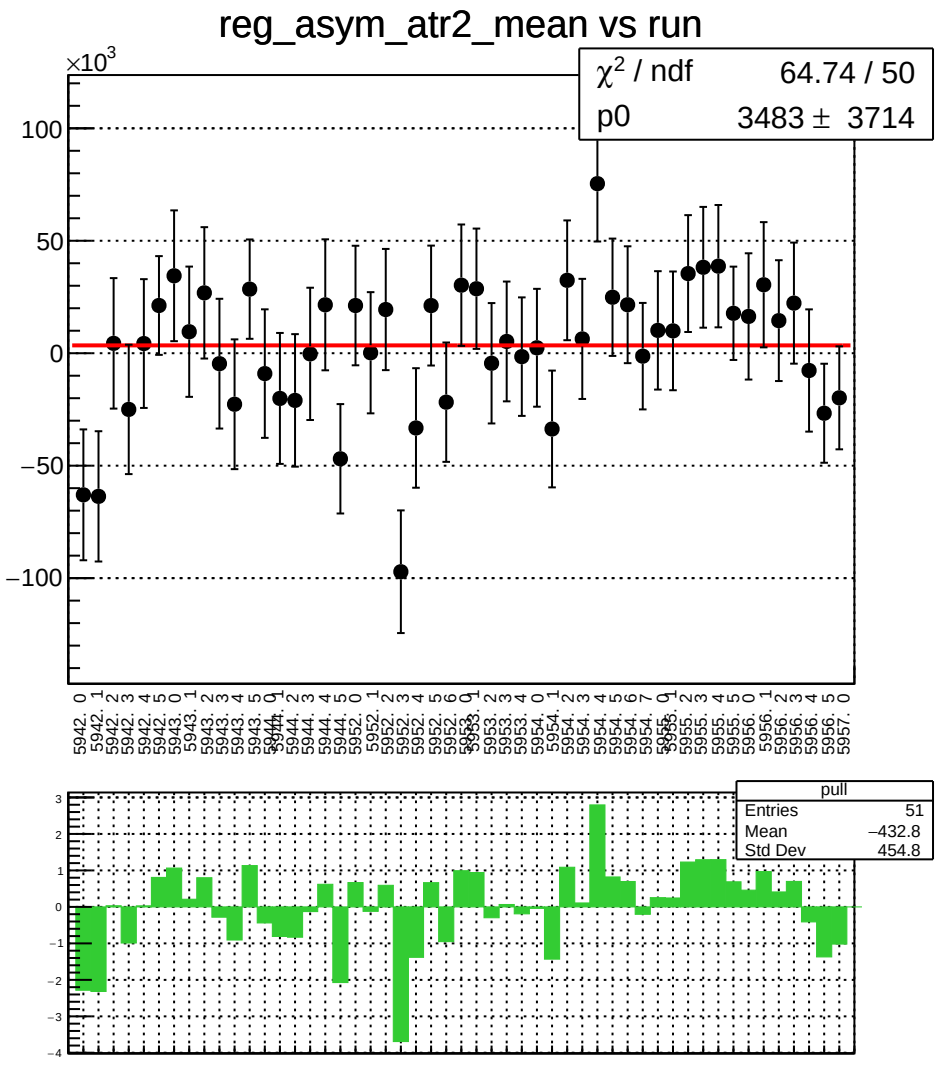

pull1D
Entries 51
Mean 0.007668
Std Dev 1.047
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

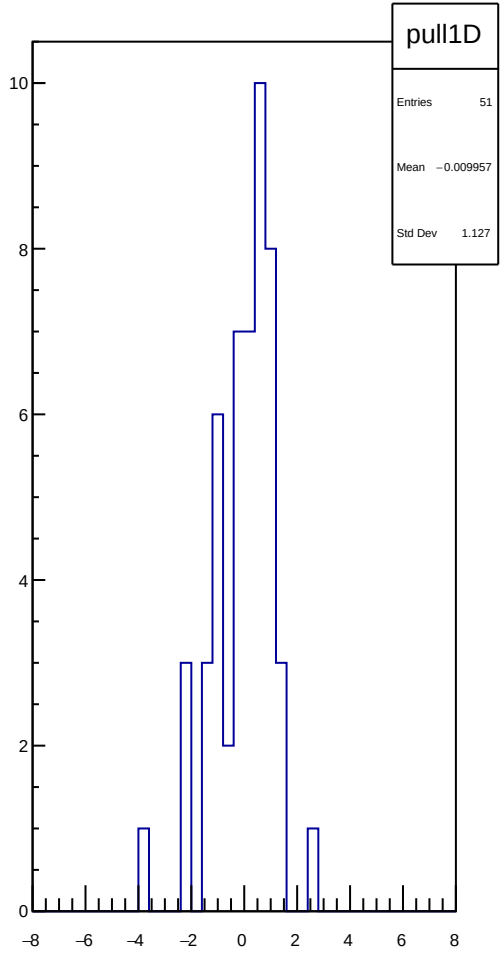

asym_atr1_correction_rms vs run
χ² / ndf 3749 / 50
p0 572.1 ± 0.5769
680
660
640
620
600
580
560
540
520
500
480
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 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

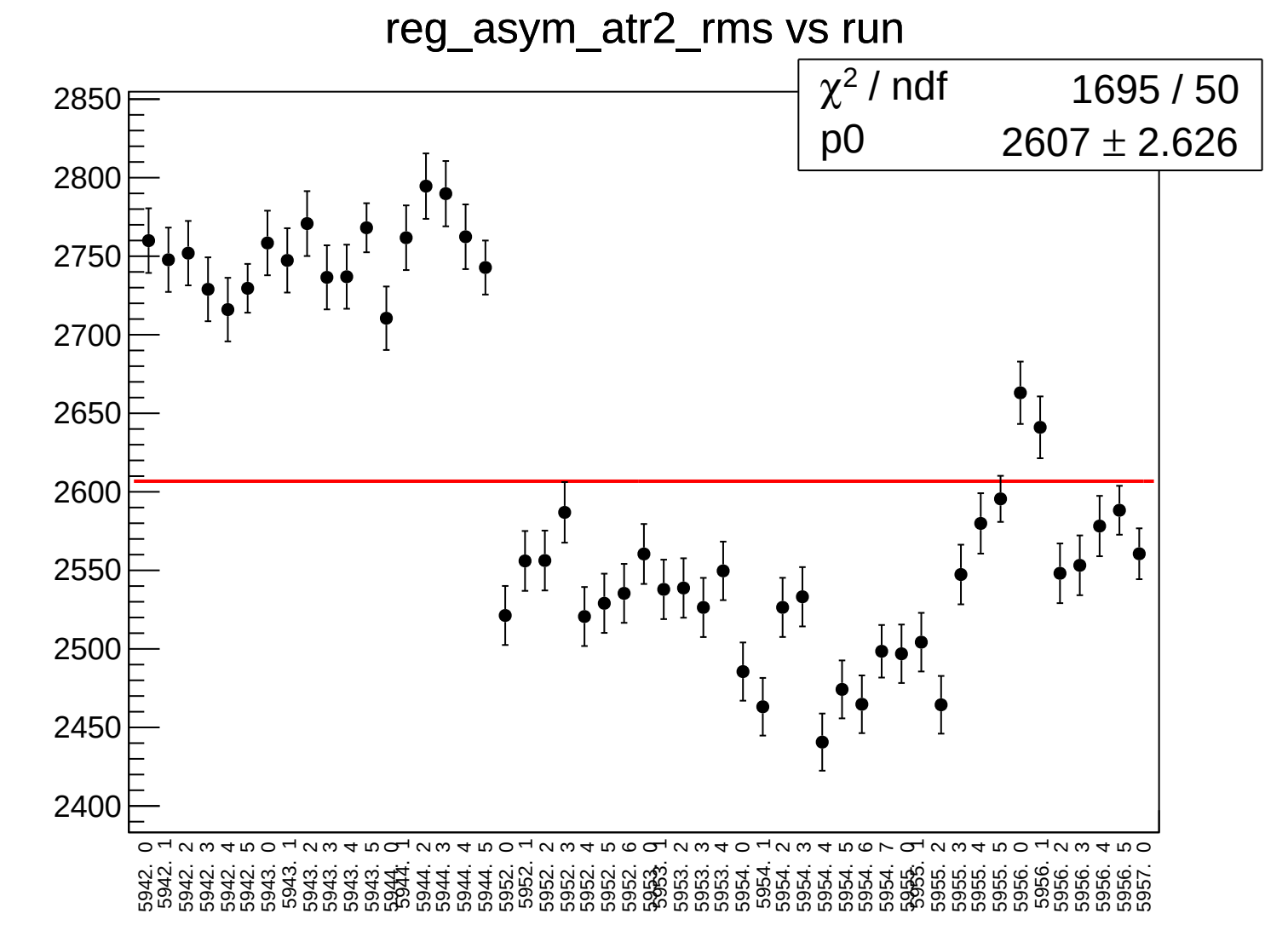

asym_atr1_mean vs run
×10^3
χ² / ndf 43.99 / 50
p0 4025 ± 4083
100
50
0
−50
−100
pull
Entries 51
Mean 24.53
Std Dev 77.29
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

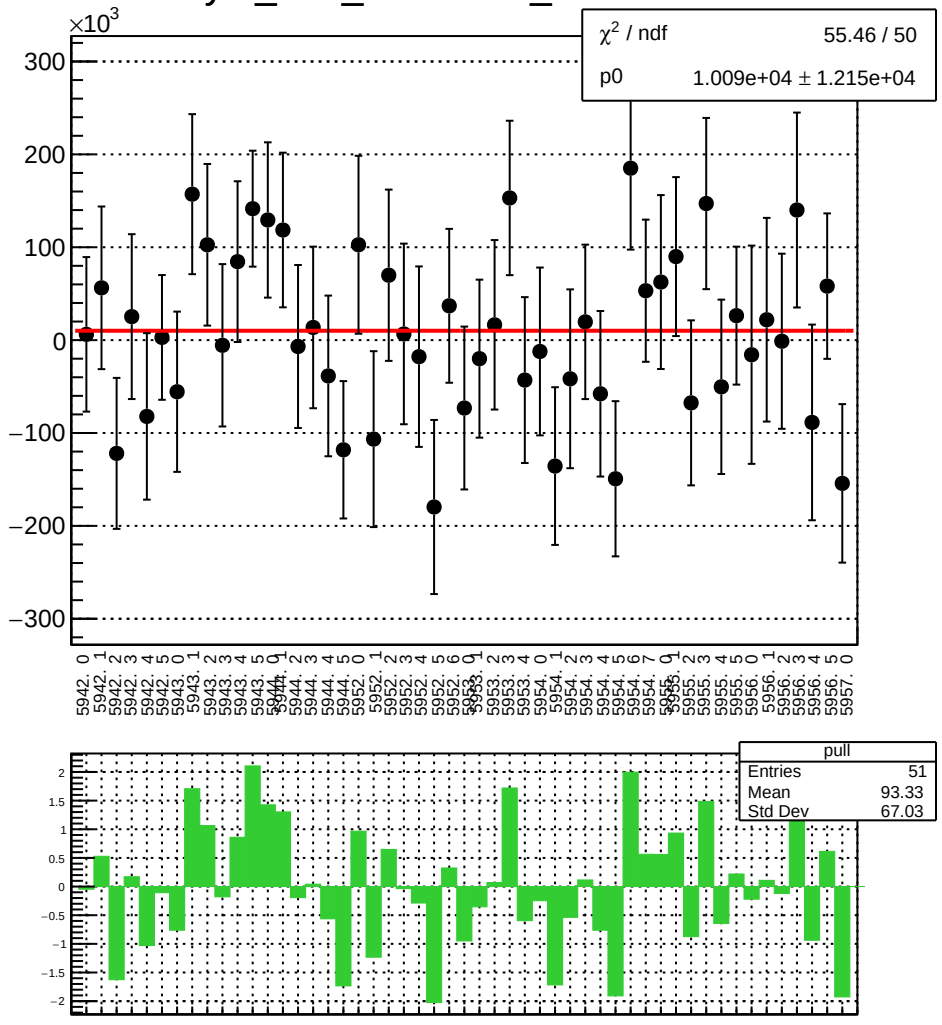

pull1D
Entries 51
Mean −0.005064
Std Dev 0.9287
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

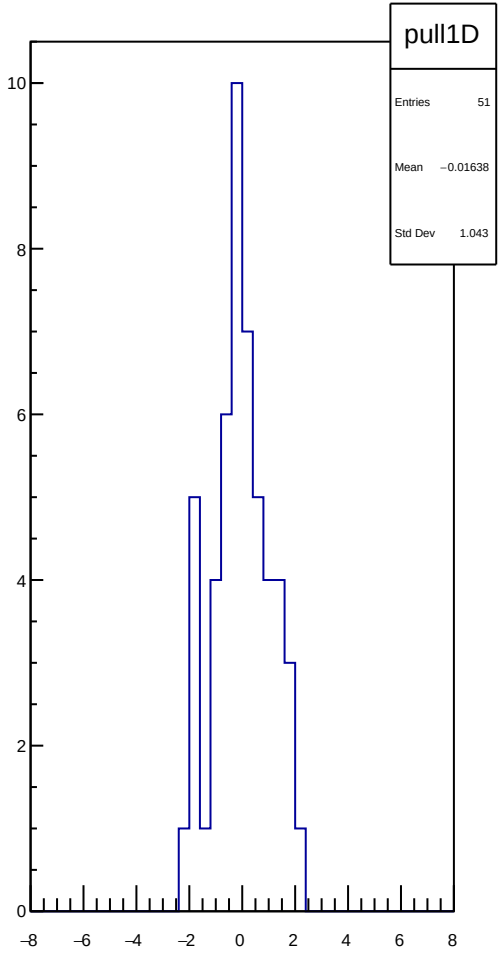

asym_atr1_rms vs run
χ² / ndf 1746 / 50
p0 2866 ± 2.887
3100
3000
2900
2800
2700
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 1
5953. 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

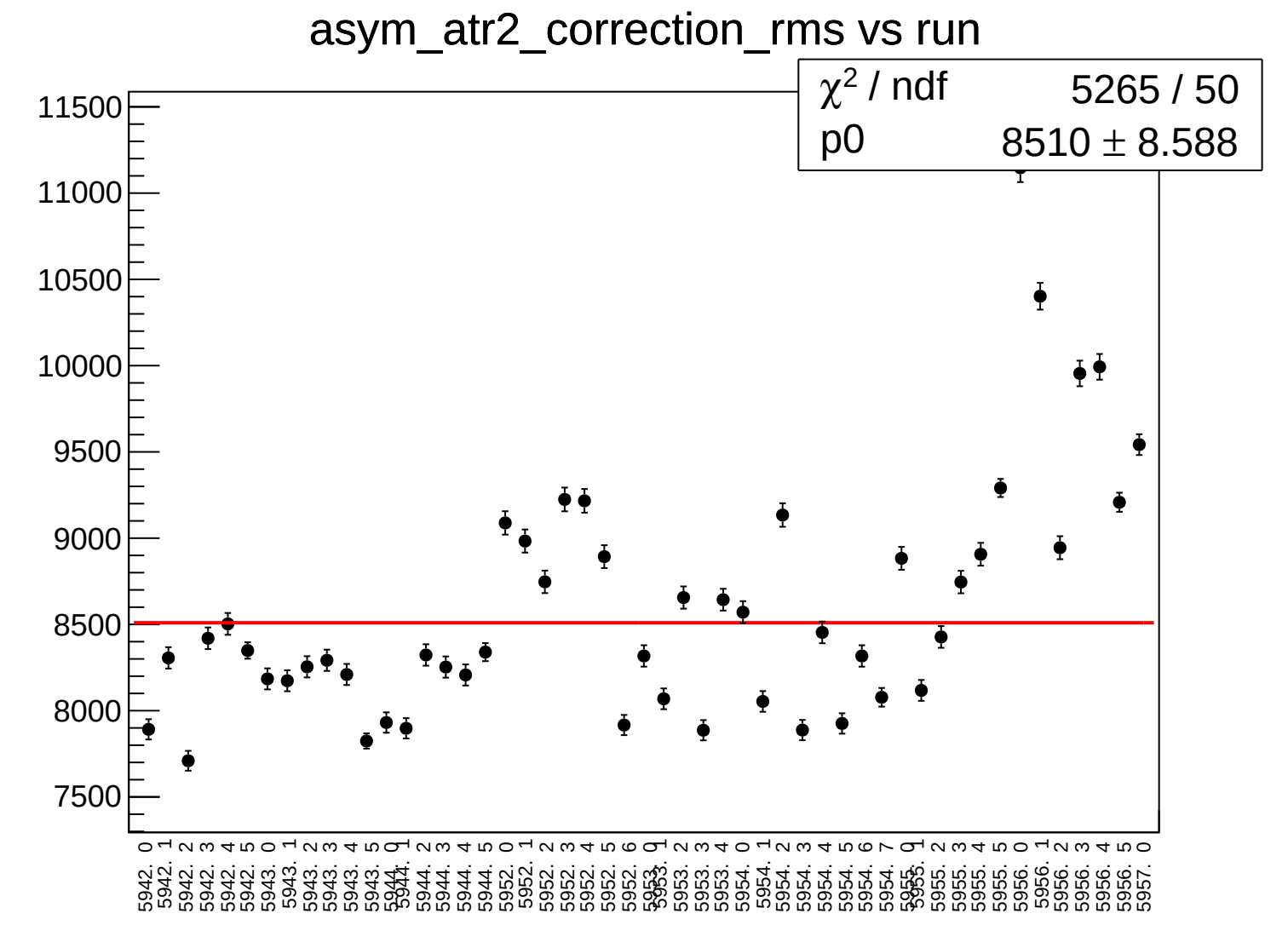

reg_asym_atr2_mean vs run
×10^3
χ^2 / ndf 64.74 / 50
p0 3483 ± 3714
100
50
0
−50
−100
pull
Entries 51
Mean −432.8
Std Dev 454.8
3
2
1
0
−1
−2
−3
−4

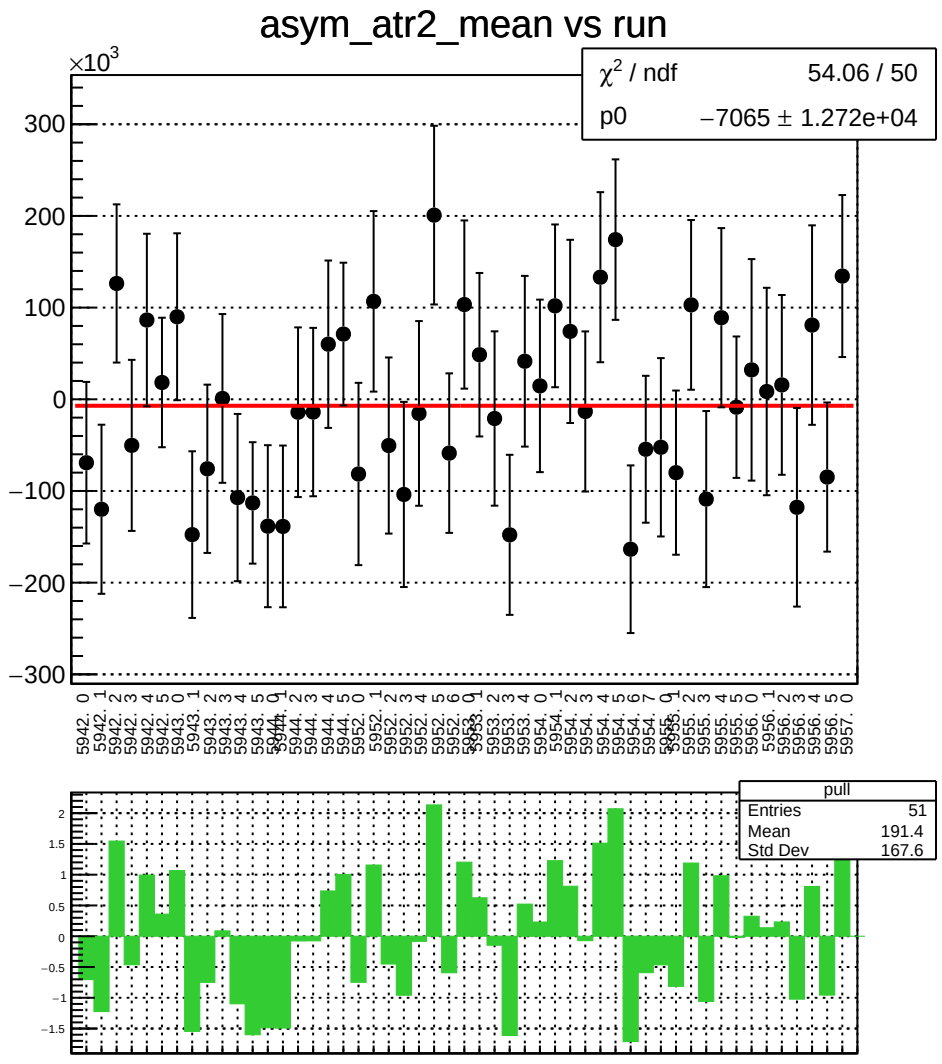

pull1D
Entries 51
Mean −0.009957
Std Dev 1.127
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

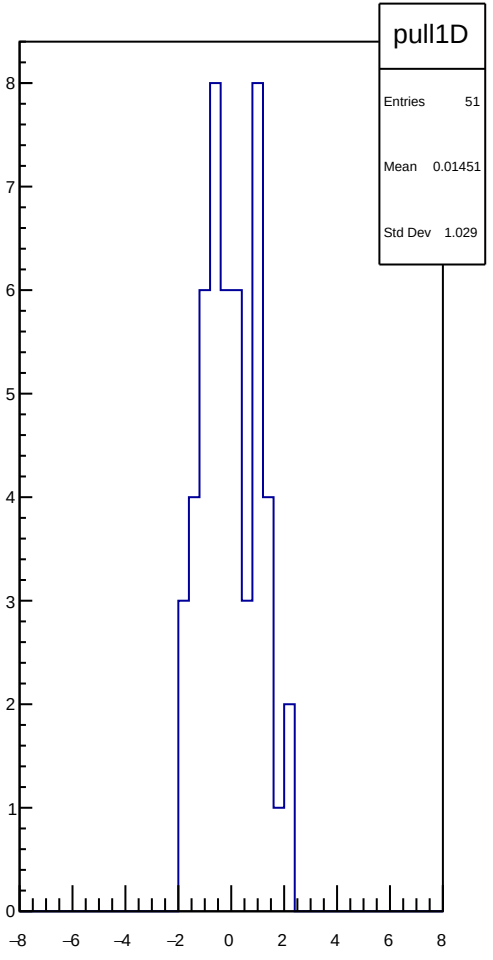

reg_asym_atr2_rms vs run
χ² / ndf 1695 / 50
p0 2607 ± 2.626
2850
2800
2750
2700
2650
2600
2550
2500
2450
2400
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
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

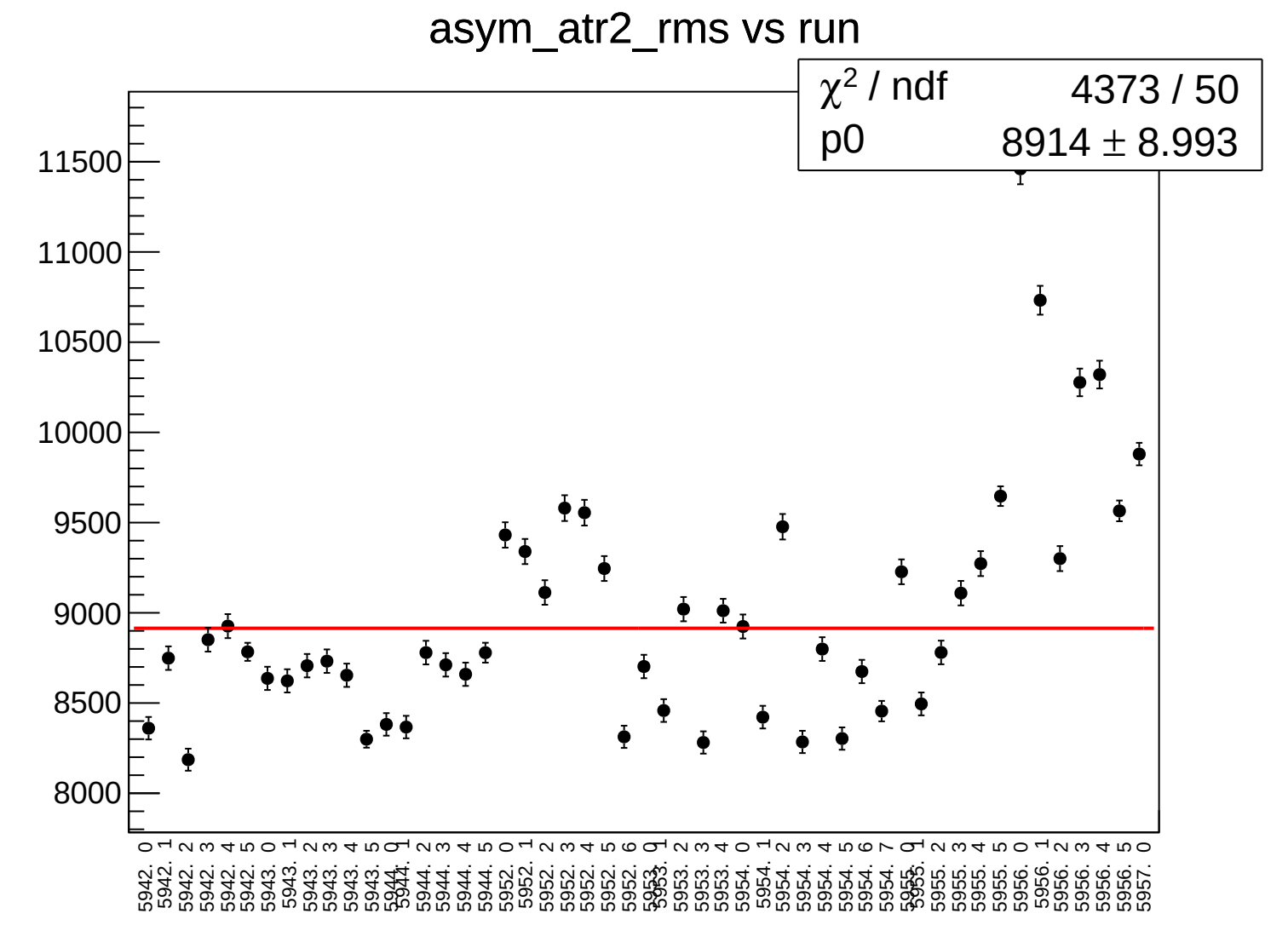

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 55.46 / 50
p0 1.009e+04 ± 1.215e+04
pull
Entries 51
Mean 93.33
Std Dev 67.03

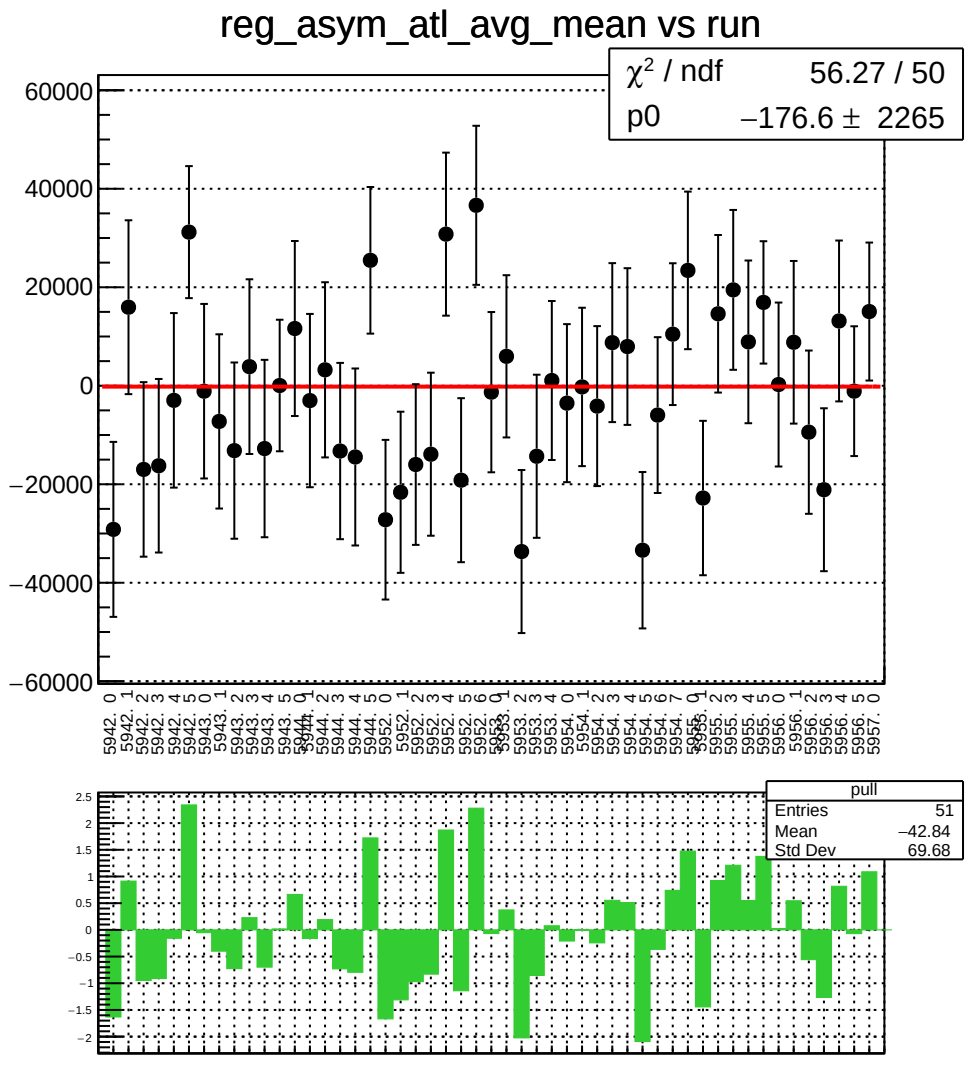

pull1D
Entries 51
Mean −0.01638
Std Dev 1.043

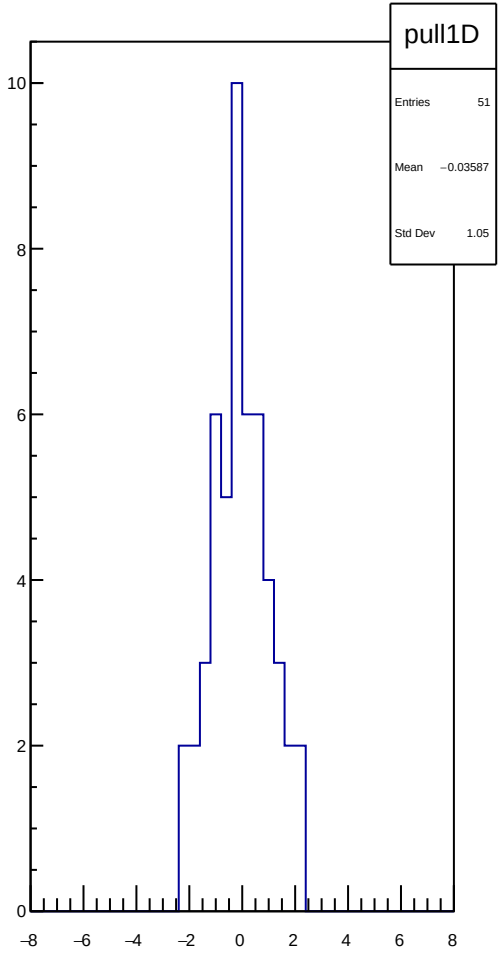

asym_atr2_correction_rms vs run
χ² / ndf 5265 / 50
p0 8510 ± 8.588
11500
11000
10500
10000
9500
9000
8500
8000
7500
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 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

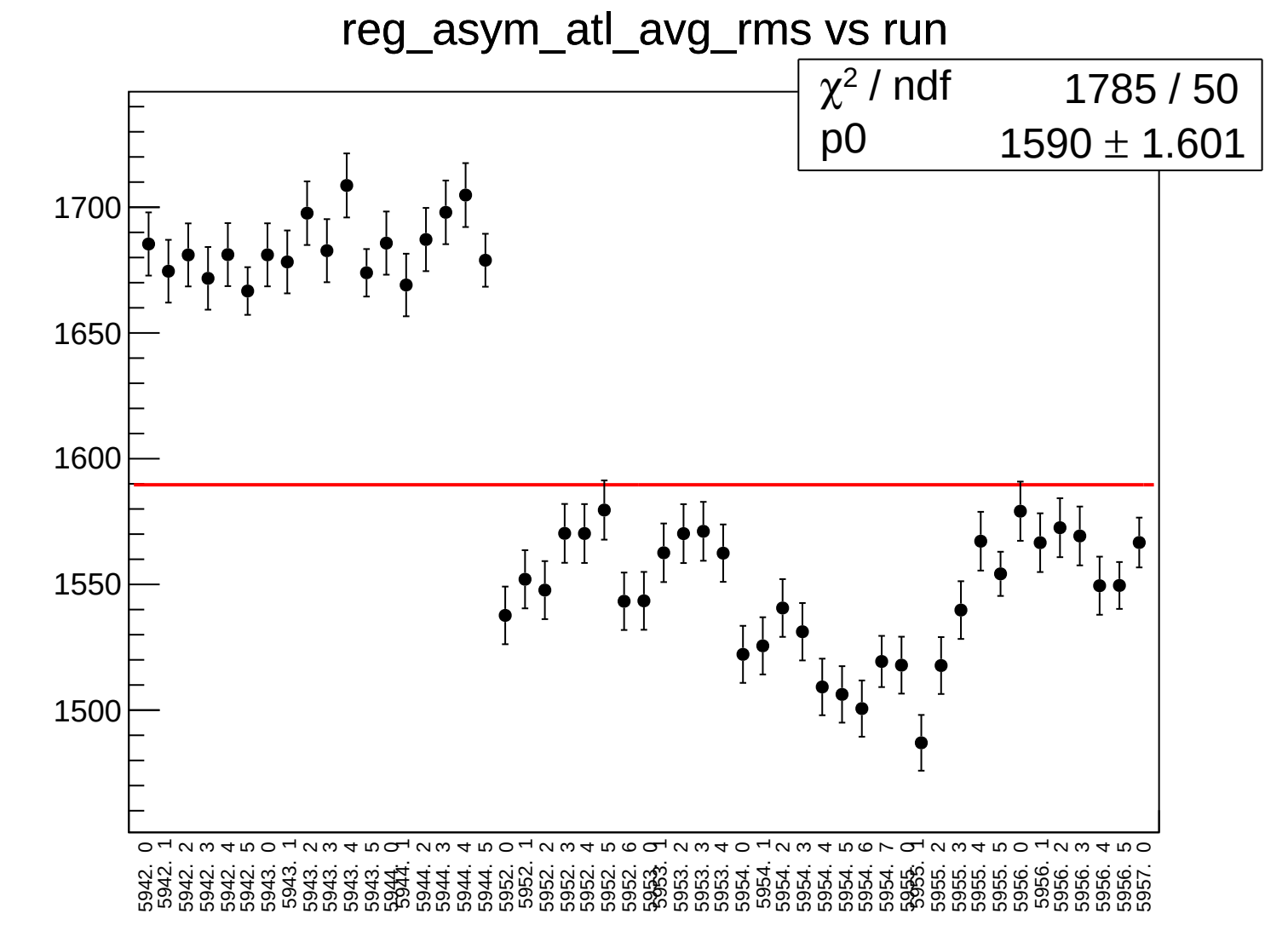

asym_atr2_mean vs run
×10^3
χ² / ndf 54.06 / 50
p0 −7065 ± 1.272e+04
300
200
100
0
−100
−200
−300
pull
Entries 51
Mean 191.4
Std Dev 167.6
2
1.5
1
0.5
0
−0.5
−1
−1.5

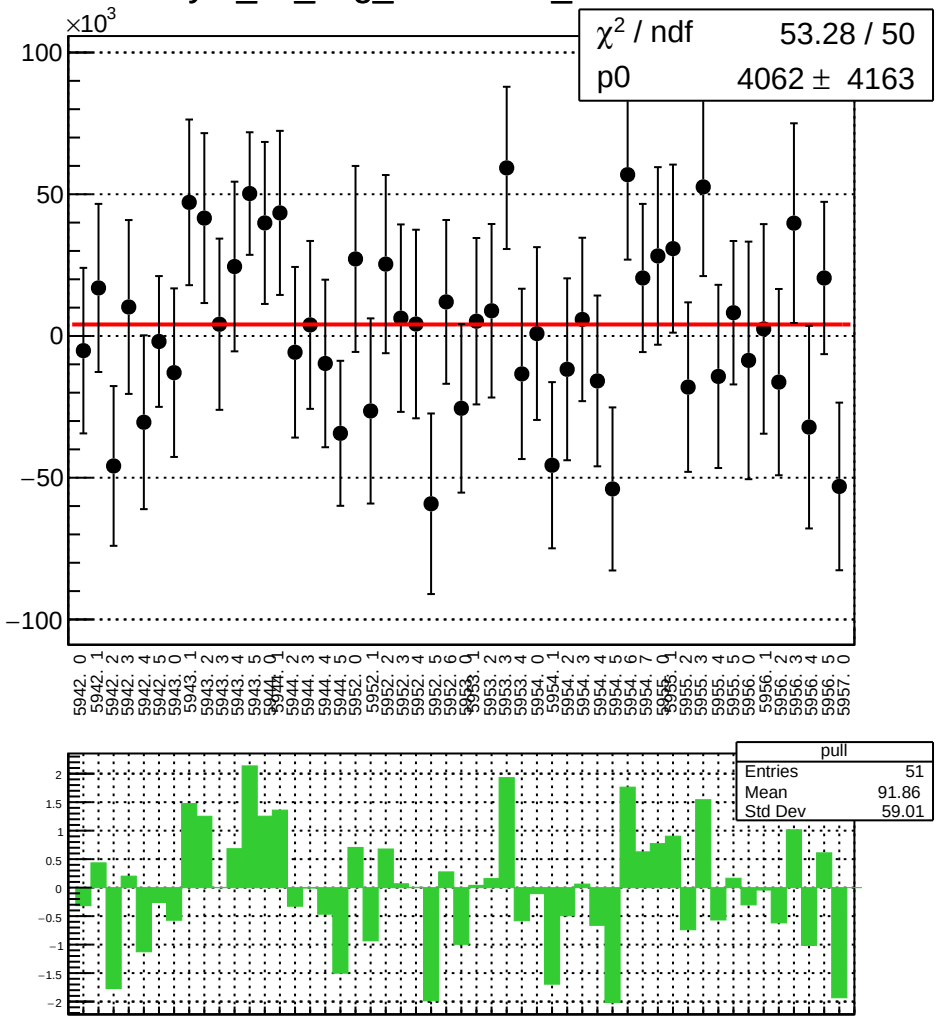

pull1D
Entries 51
Mean 0.01451
Std Dev 1.029
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

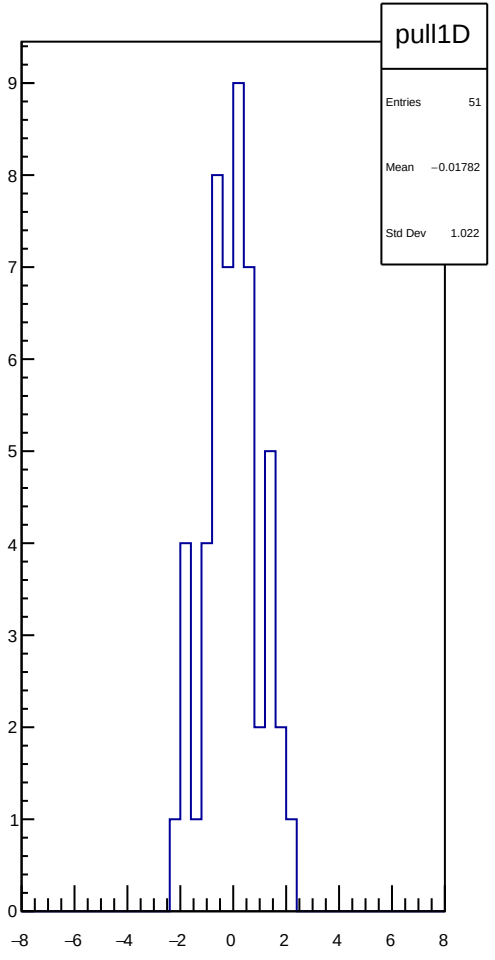

asym_atr2_rms vs run
χ² / ndf 4373 / 50
p0 8914 ± 8.993
11500
11000
10500
10000
9500
9000
8500
8000
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 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

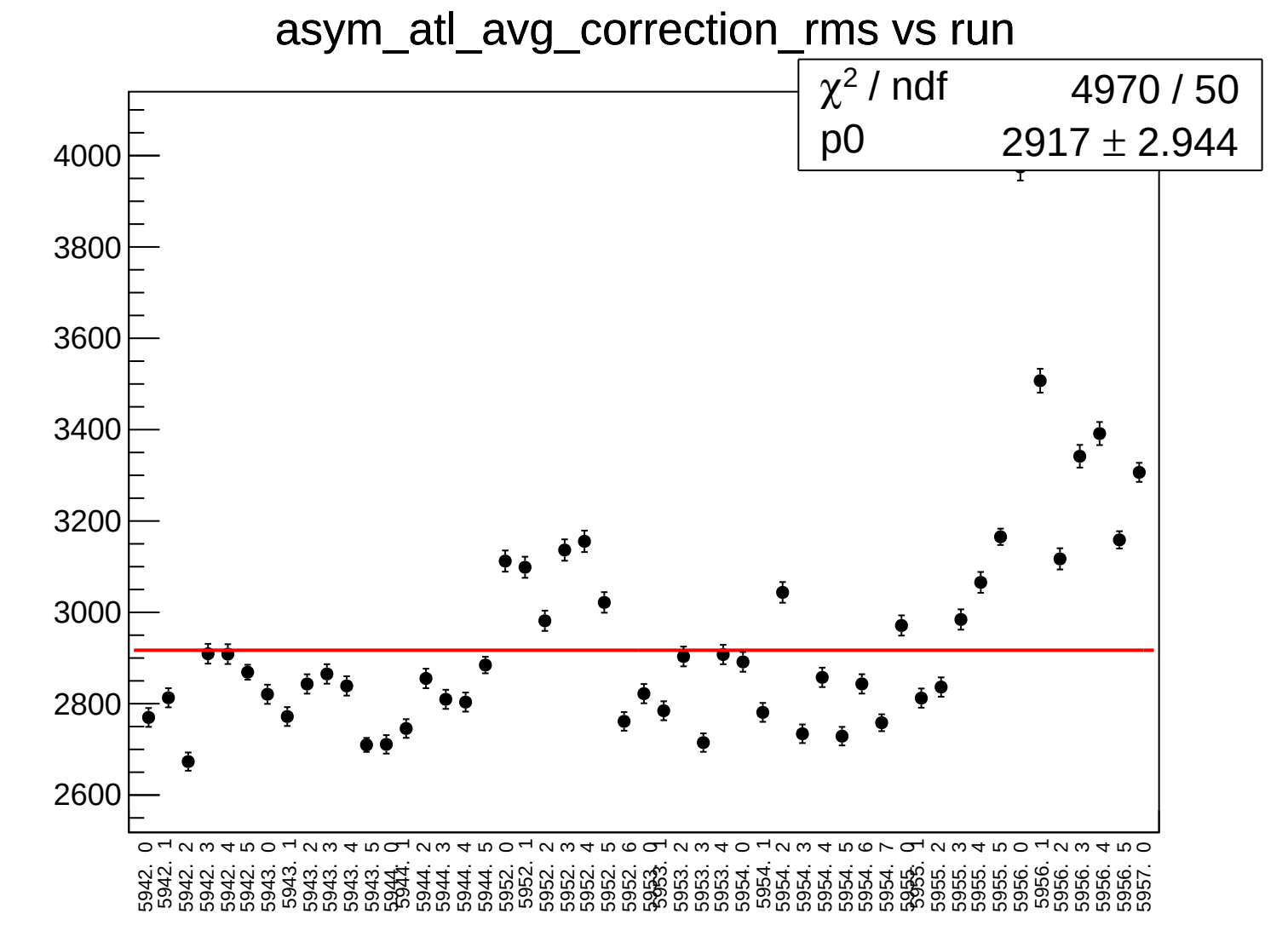

reg_asym_atl_avg_mean vs run
χ² / ndf 56.27 / 50
p0 −176.6 ± 2265
pull
Entries 51
Mean −42.84
Std Dev 69.68

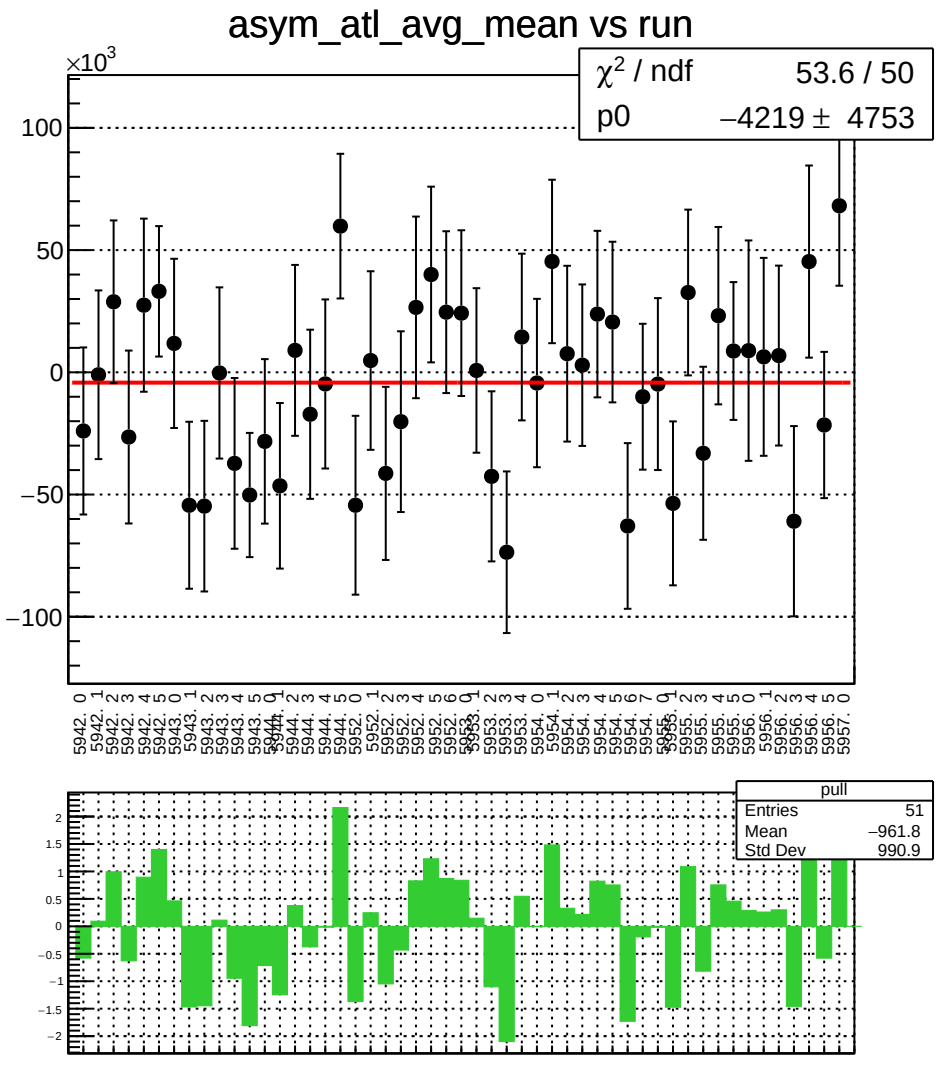

pull1D
Entries 51
Mean −0.03587
Std Dev 1.05

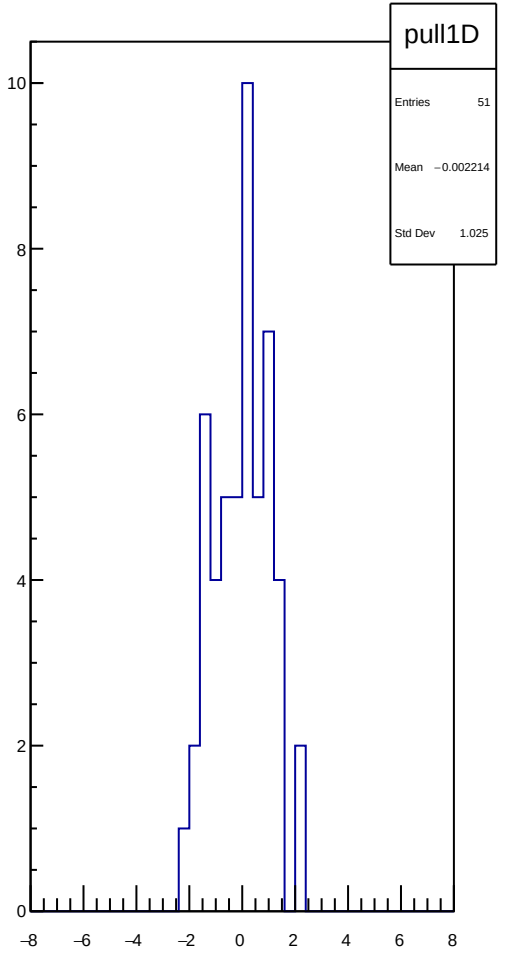

reg_asym_atl_avg_rms vs run
χ² / ndf 1785 / 50
p0 1590 ± 1.601
1700
1650
1600
1550
1500
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 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

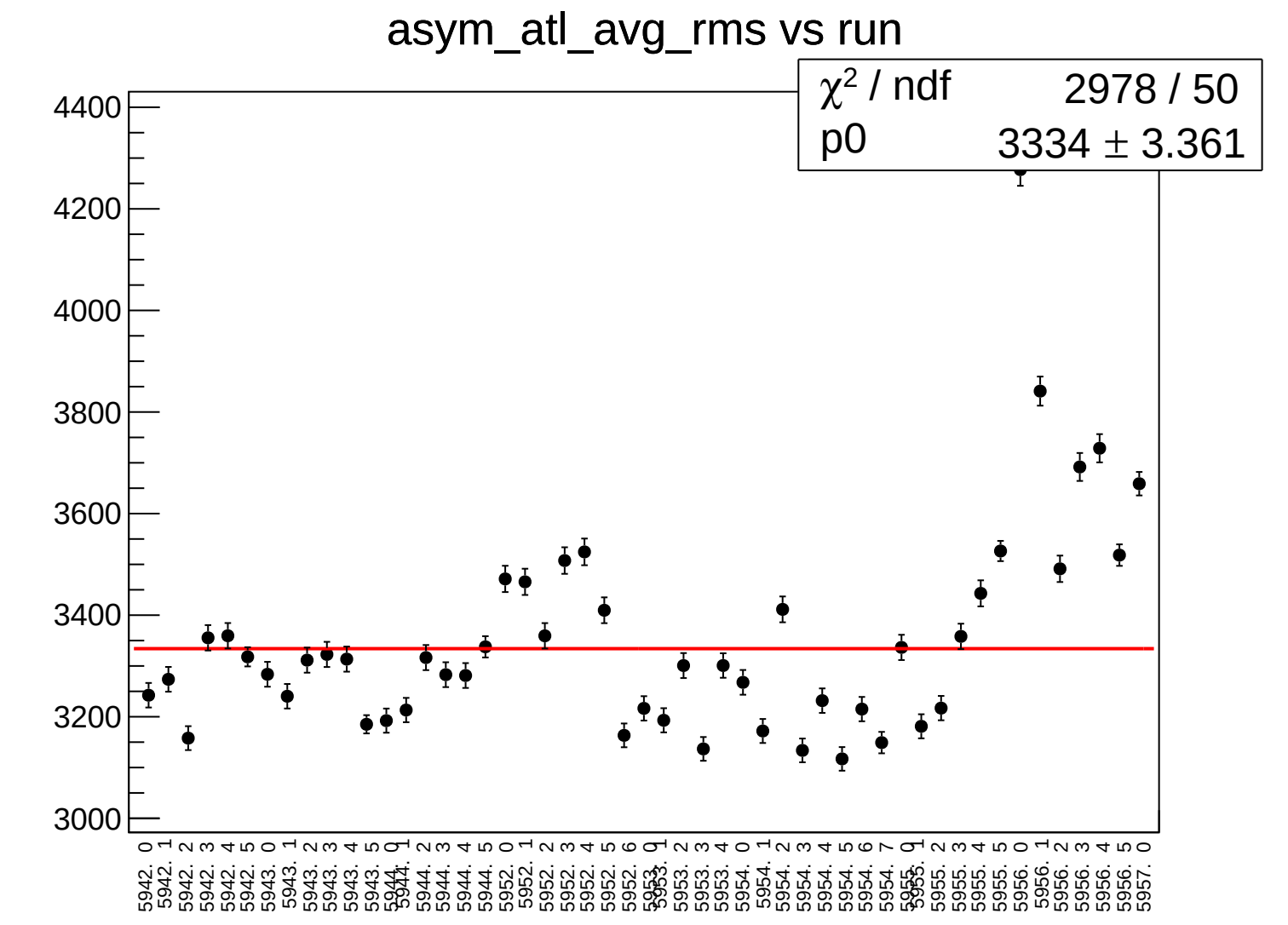

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 53.28 / 50
p0 4062 ± 4163
pull
Entries 51
Mean 91.86
Std Dev 59.01

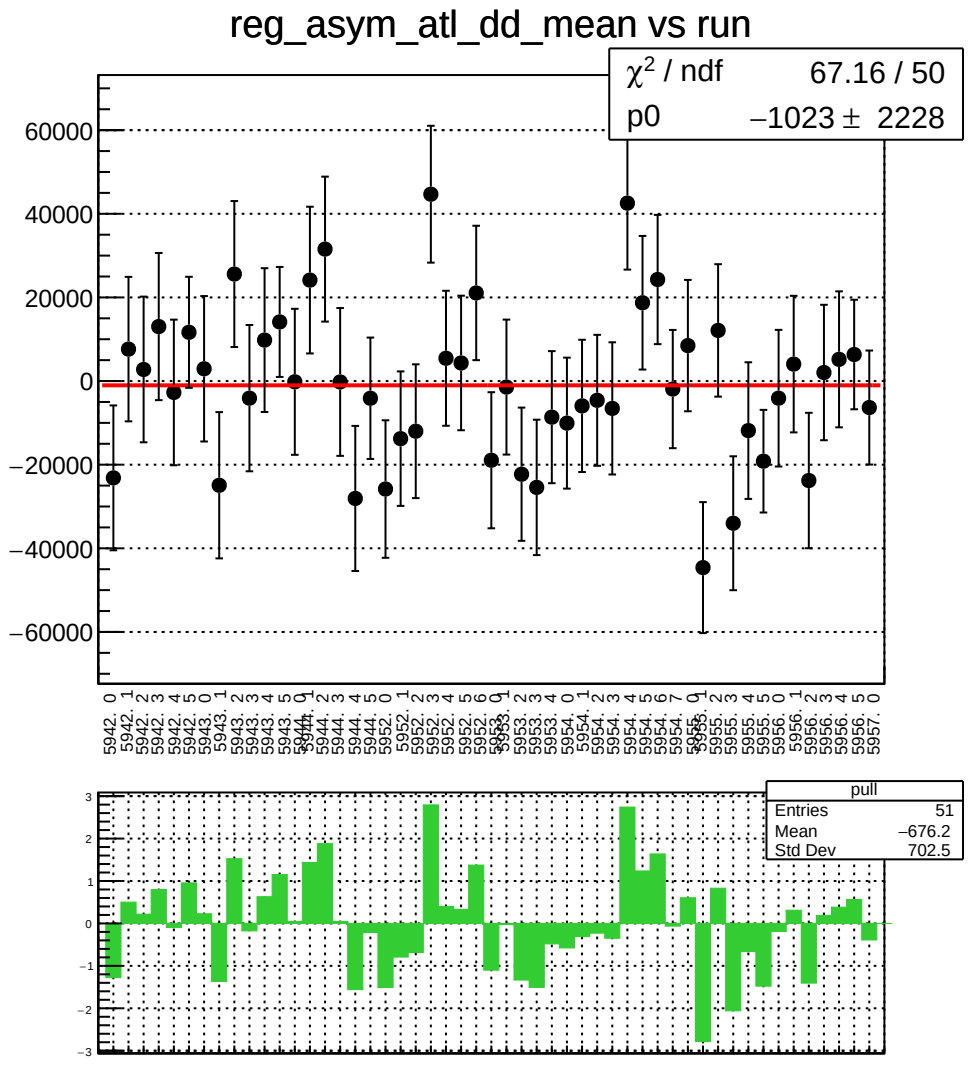

pull1D
Entries 51
Mean −0.01782
Std Dev 1.022

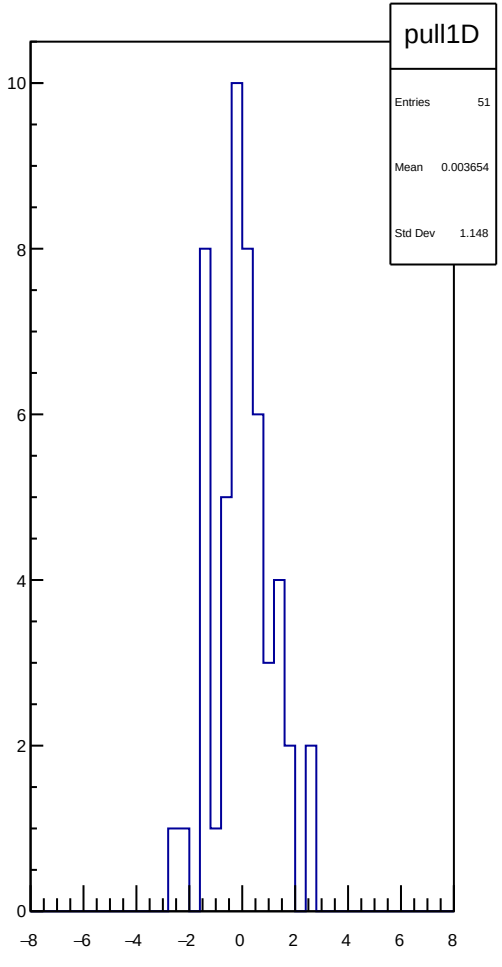

asym_atl_avg_correction_rms vs run
χ² / ndf 4970 / 50
p0 2917 ± 2.944
4000
3800
3600
3400
3200
3000
2800
2600
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
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

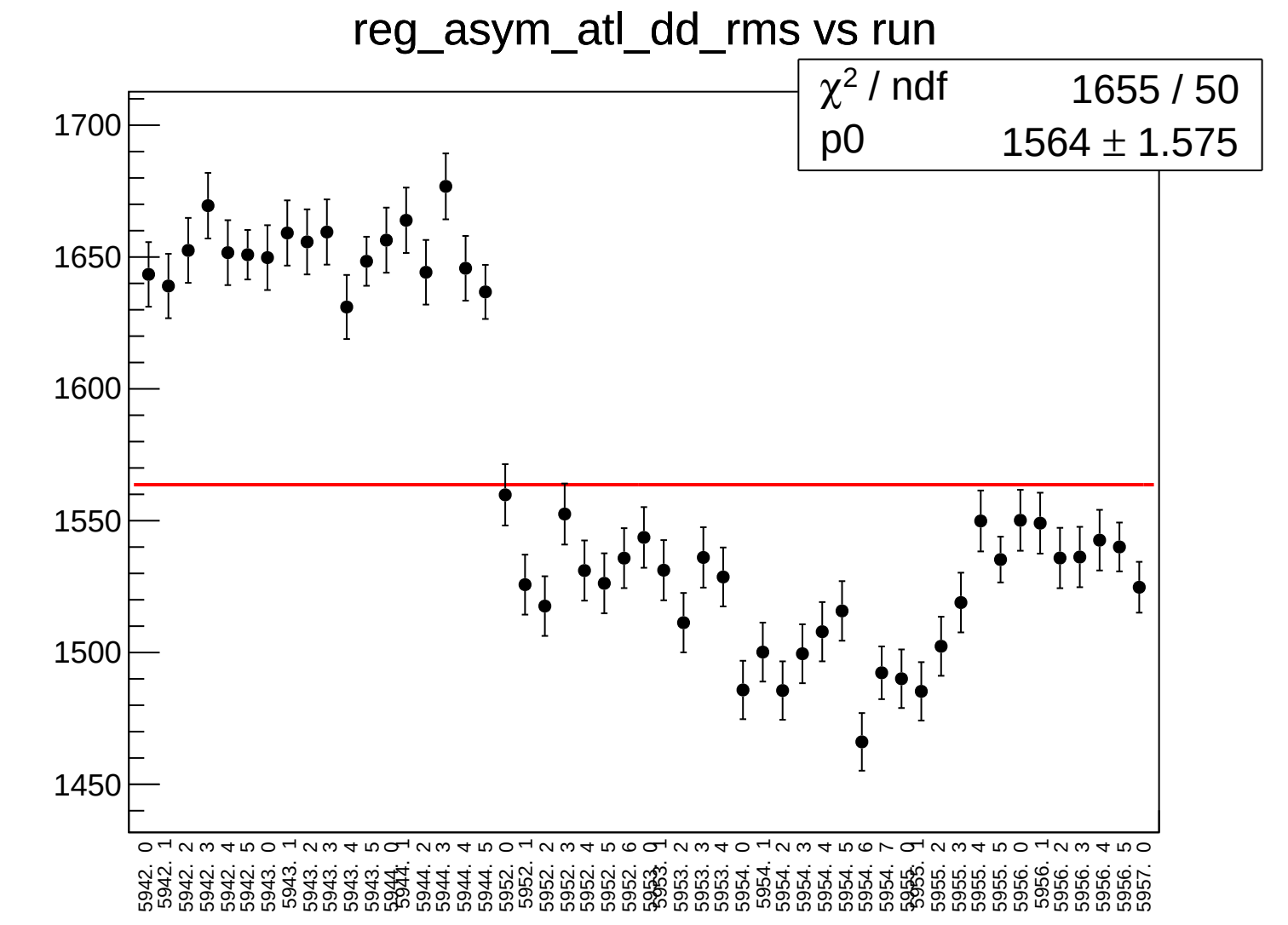

asym_atl_avg_mean vs run
×10^3
χ² / ndf 53.6 / 50
p0 −4219 ± 4753
100
50
0
−50
−100
pull
Entries 51
Mean −961.8
Std Dev 990.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

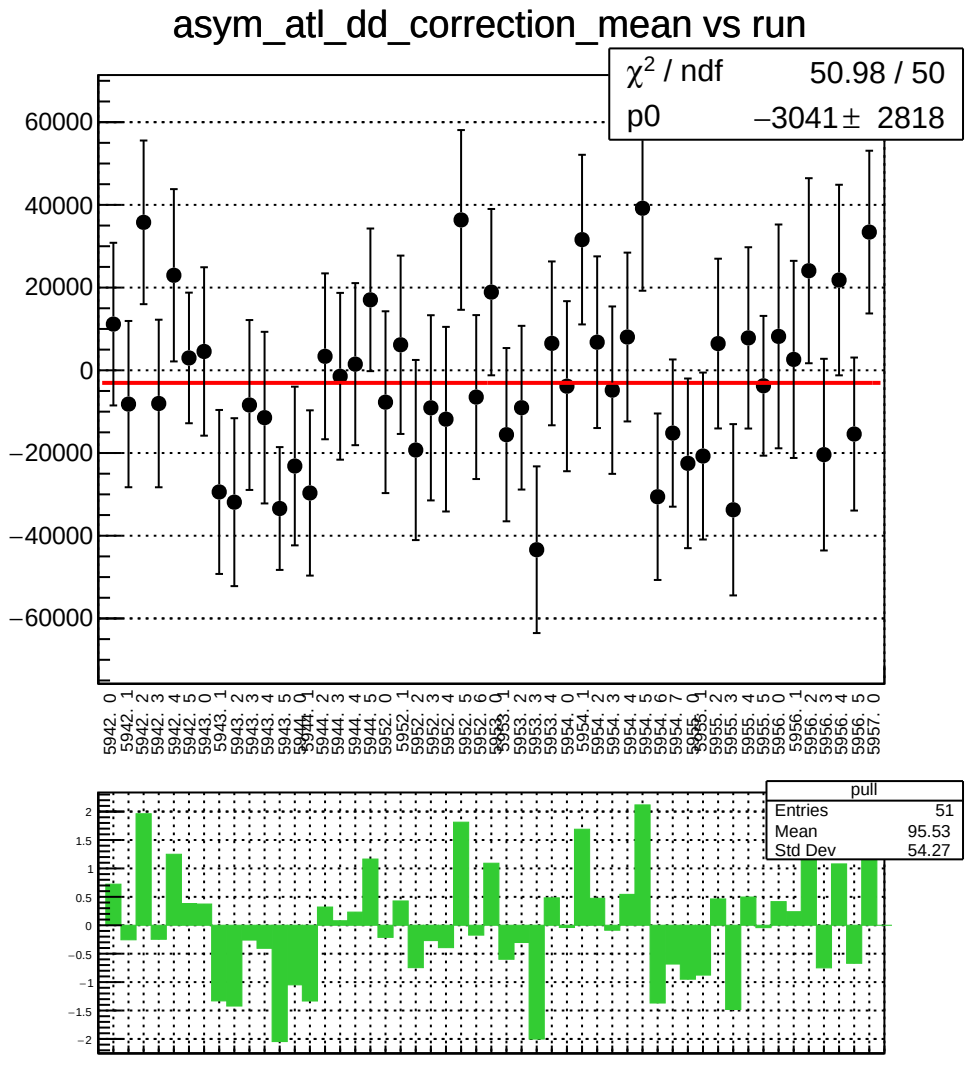

pull1D
Entries 51
Mean −0.002214
Std Dev 1.025
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

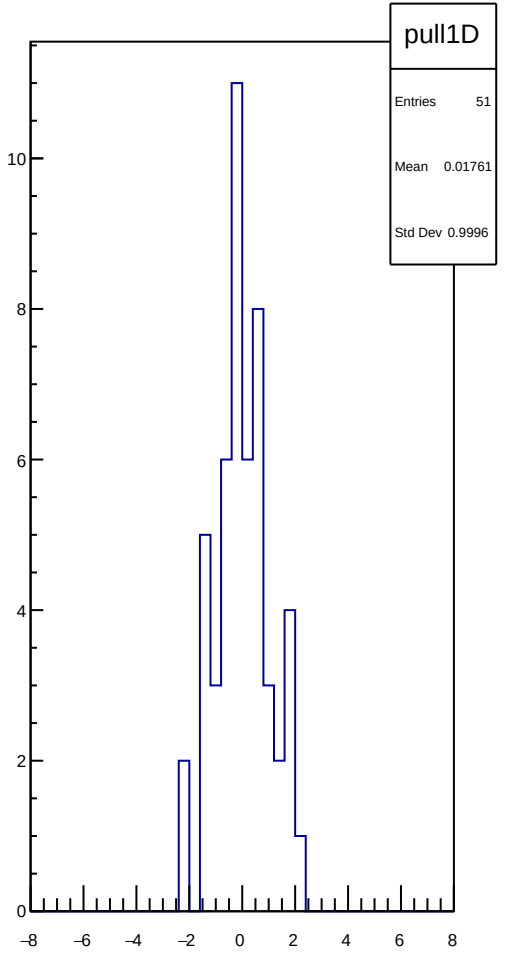

asym_atl_avg_rms vs run
χ² / ndf 2978 / 50
p0 3334 ± 3.361
4400
4200
4000
3800
3600
3400
3200
3000
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 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

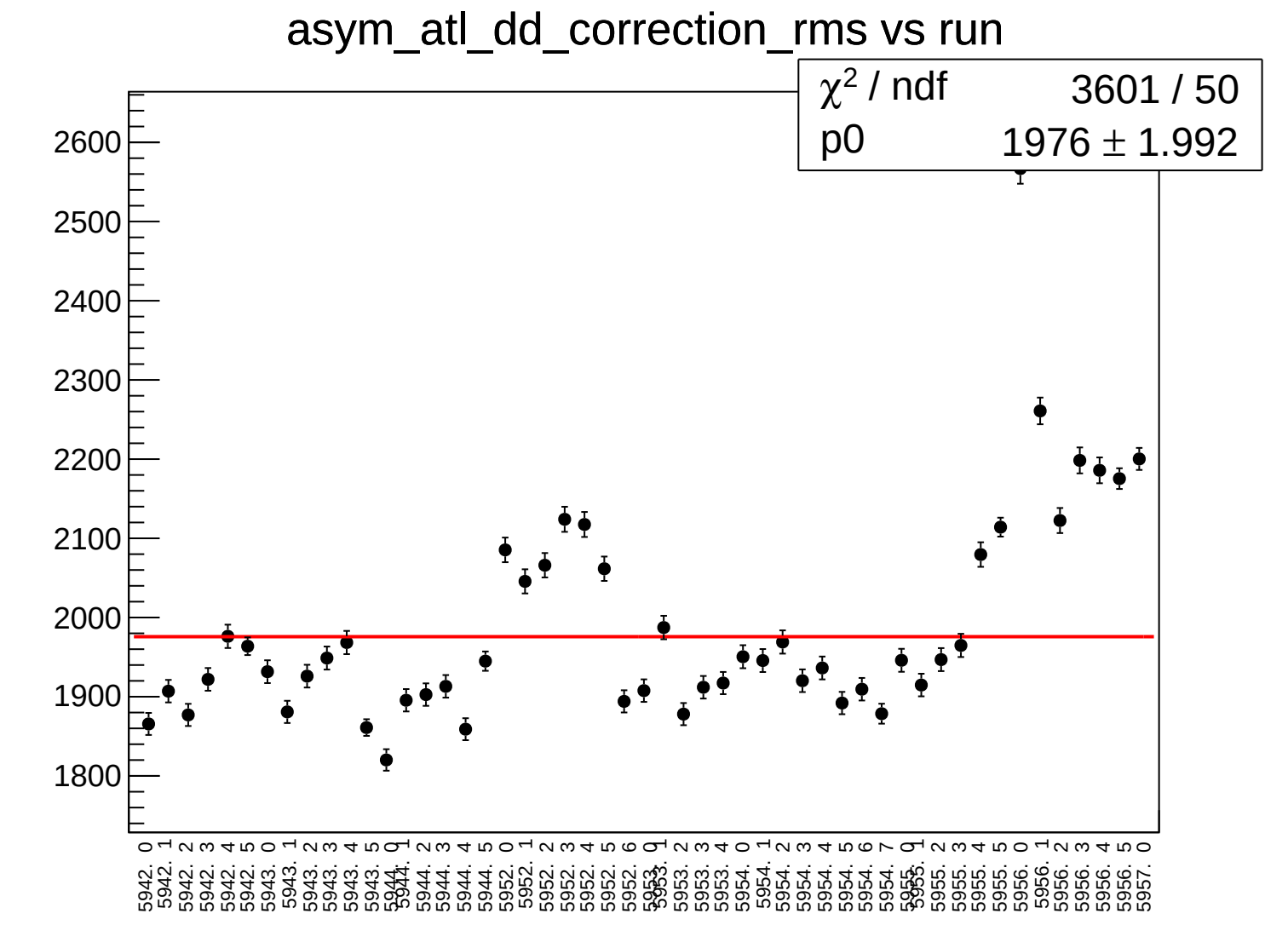

reg_asym_atl_dd_mean vs run
χ² / ndf 67.16 / 50
p0 −1023 ± 2228
pull
Entries 51
Mean −676.2
Std Dev 702.5

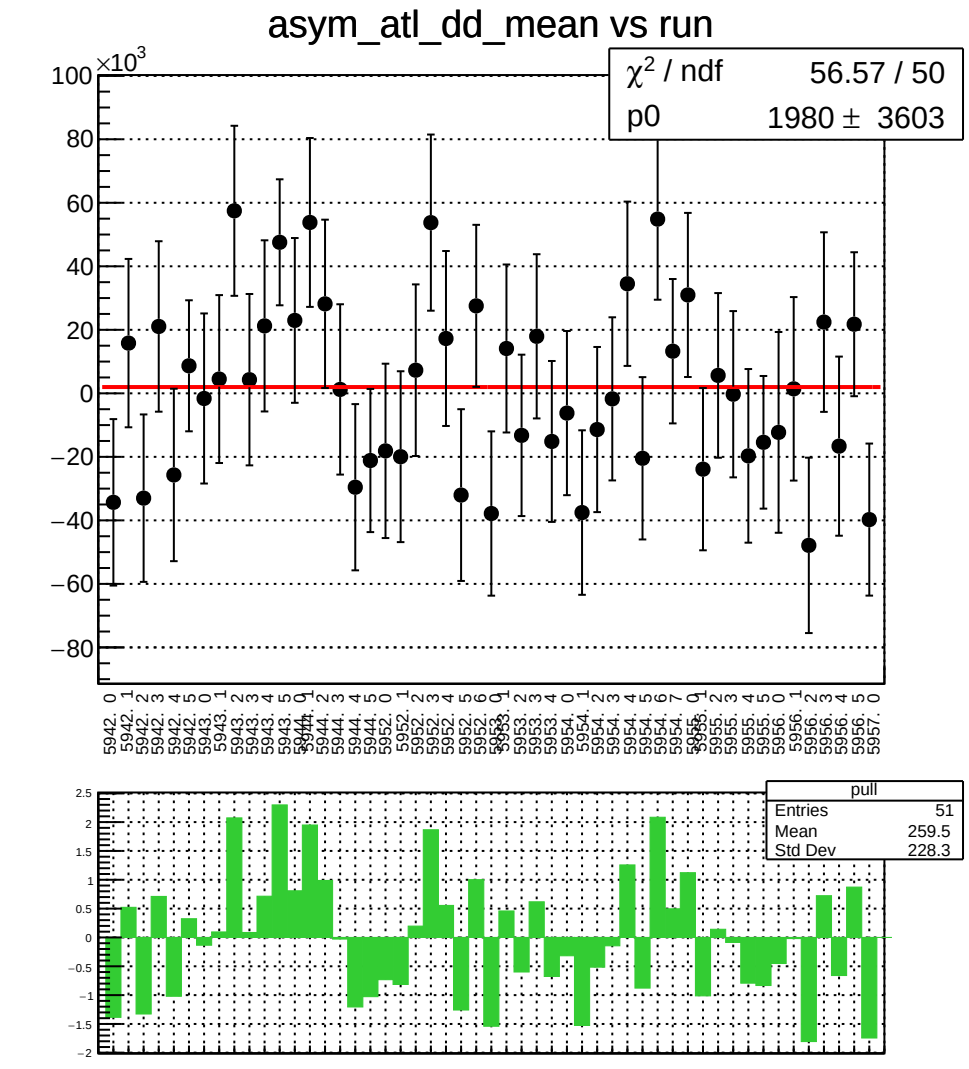

pull1D
Entries 51
Mean 0.003654
Std Dev 1.148

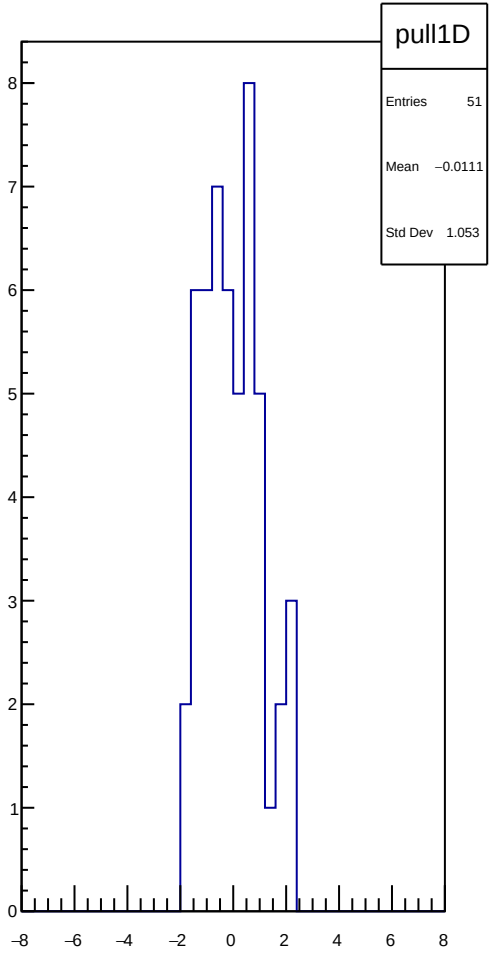

reg_asym_atl_dd_rms vs run
χ² / ndf 1655 / 50
p0 1564 ± 1.575
1700
1650
1600
1550
1500
1450
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 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

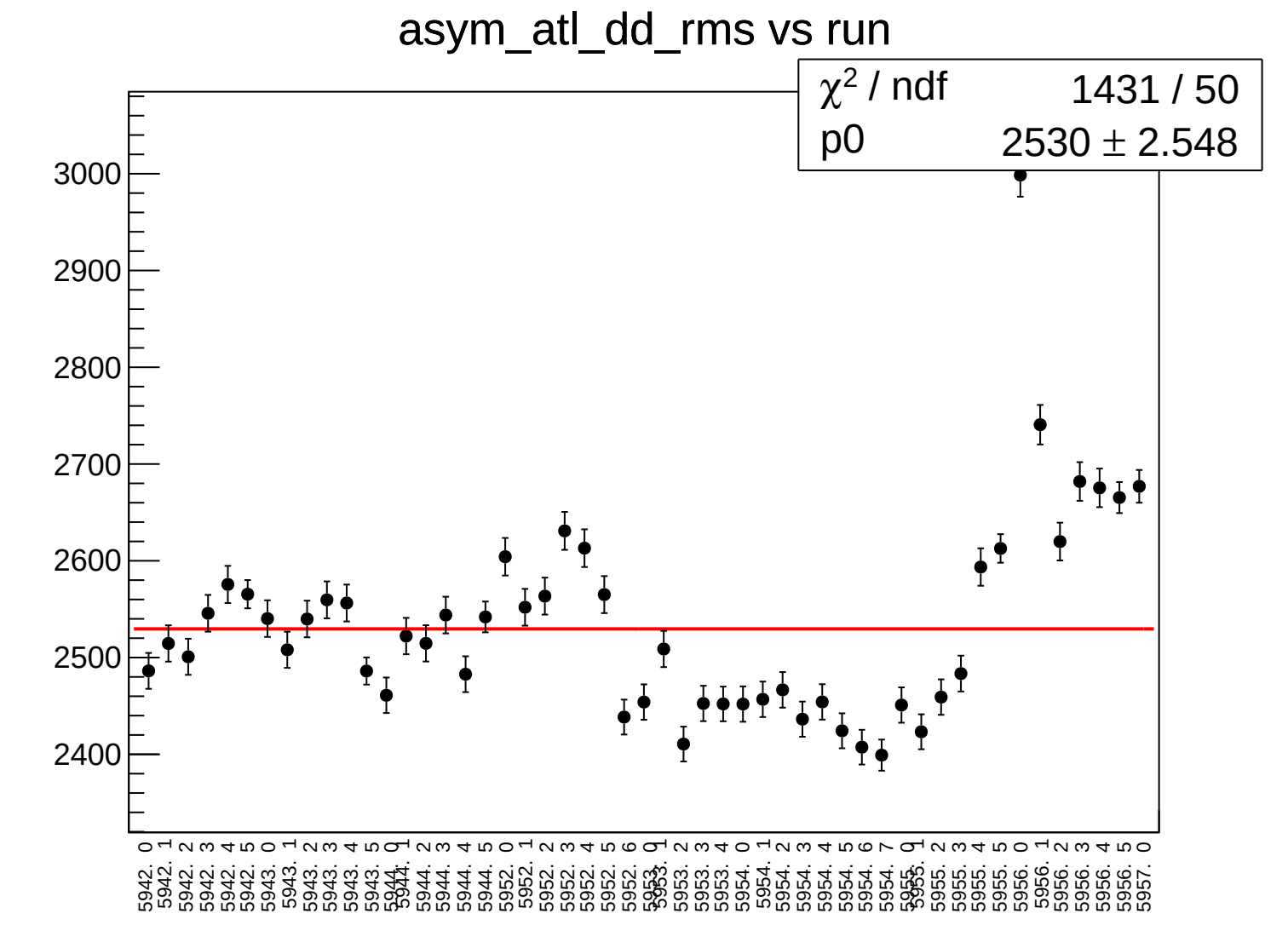

asym_atl_dd_correction_mean vs run
χ² / ndf 50.98 / 50
p0 −3041 ± 2818
pull
Entries 51
Mean 95.53
Std Dev 54.27

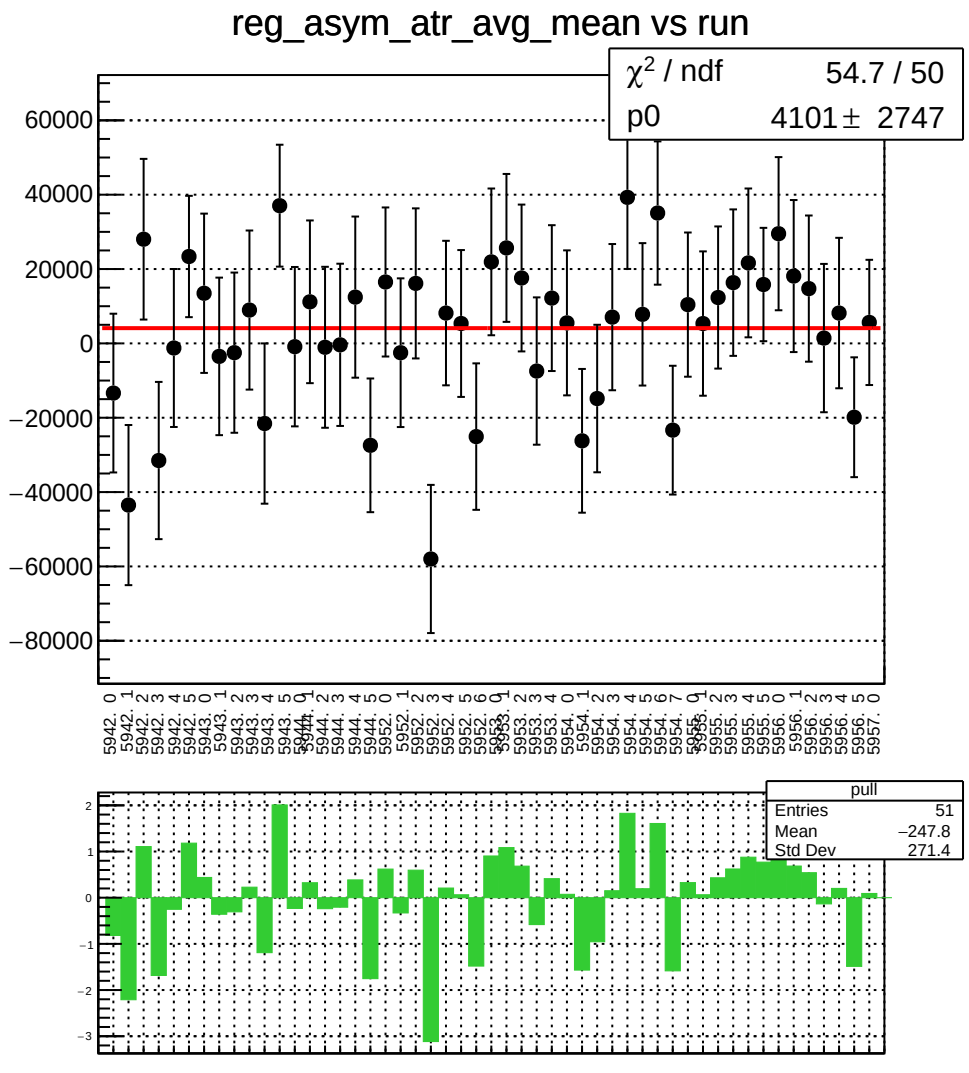

pull1D
Entries 51
Mean 0.01761
Std Dev 0.9996

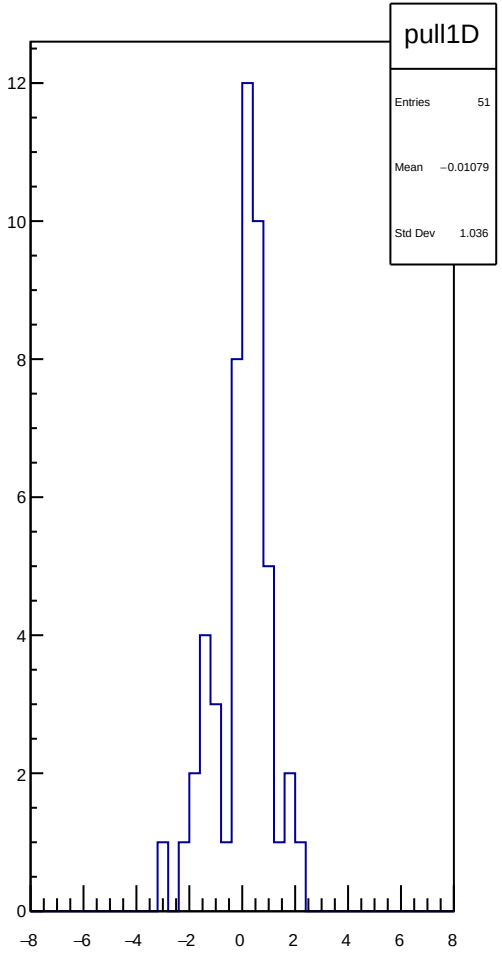

asym_atl_dd_correction_rms vs run
χ² / ndf 3601 / 50
p0 1976 ± 1.992
2600
2500
2400
2300
2200
2100
2000
1900
1800
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 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

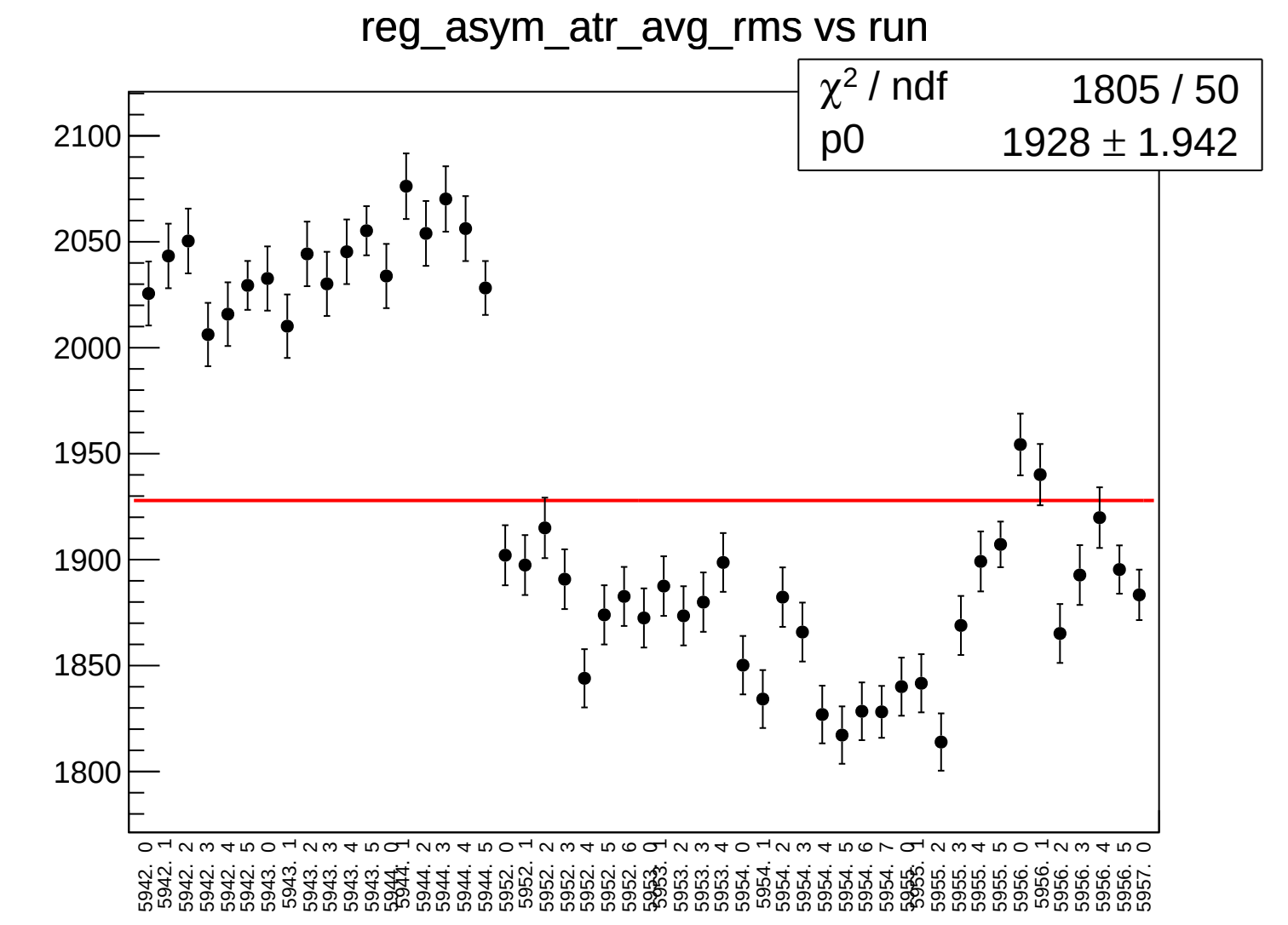

asym_atl_dd_mean vs run
χ² / ndf 56.57 / 50
p0 1980 ± 3603
×10³
pull
Entries 51
Mean 259.5
Std Dev 228.3

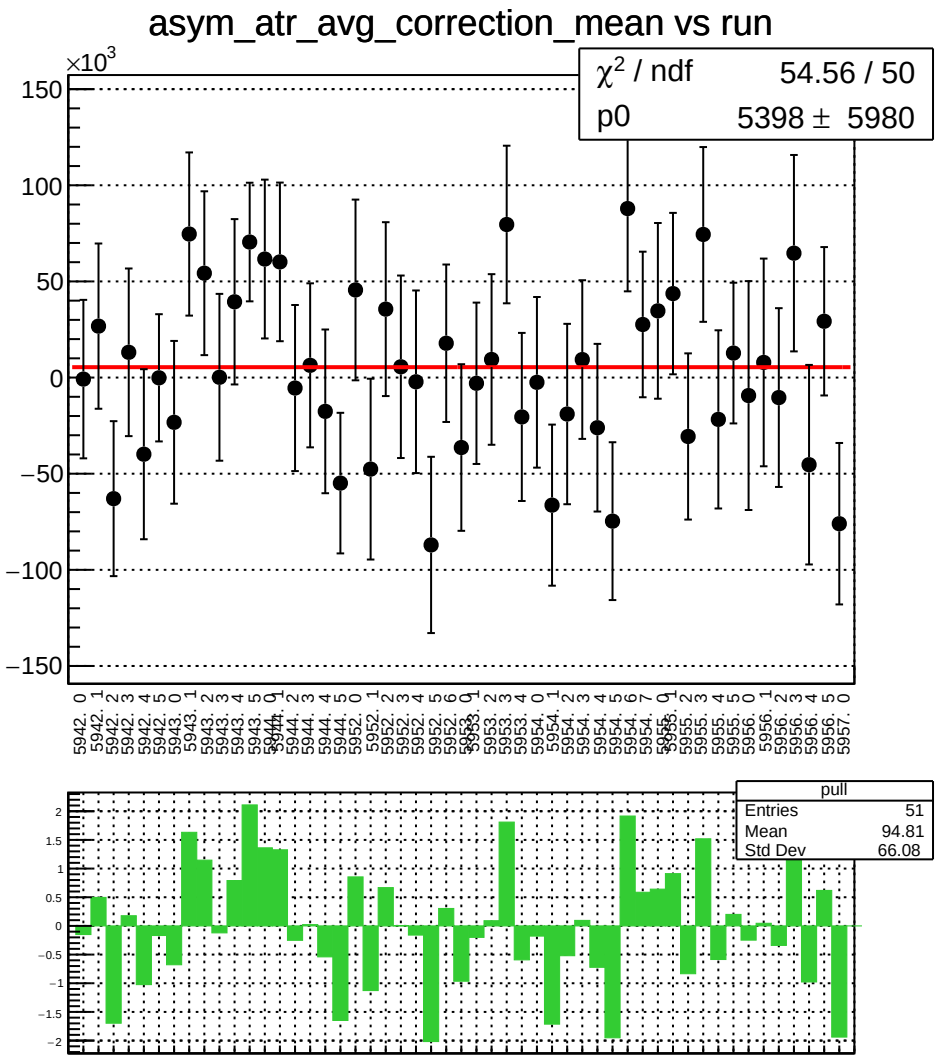

pull1D
Entries 51
Mean −0.0111
Std Dev 1.053

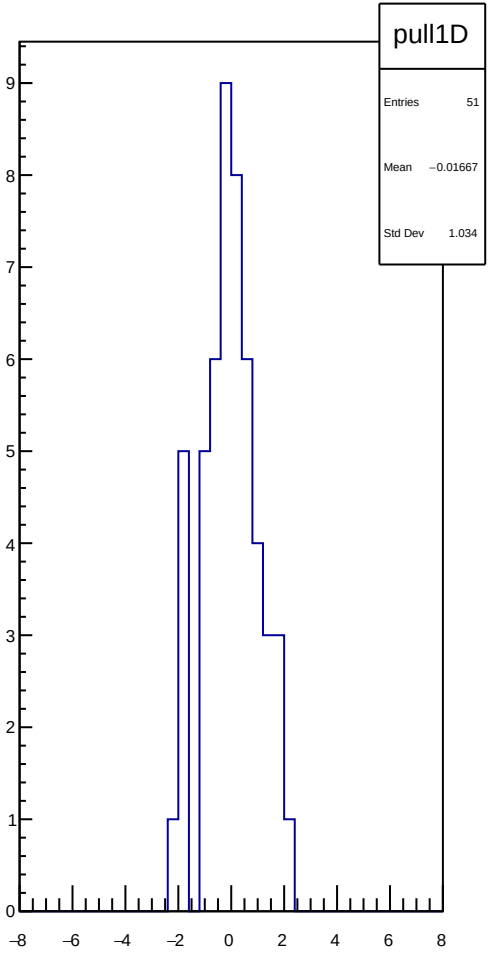

asym_atl_dd_rms vs run
χ^2 / ndf 1431 / 50
p0 2530 ± 2.548
3000
2900
2800
2700
2600
2500
2400
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 3
5954. 4
5954. 5
5954. 6
5954. 7
5955. 1
5955. 2
5955. 3
5955. 4
5955. 5
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

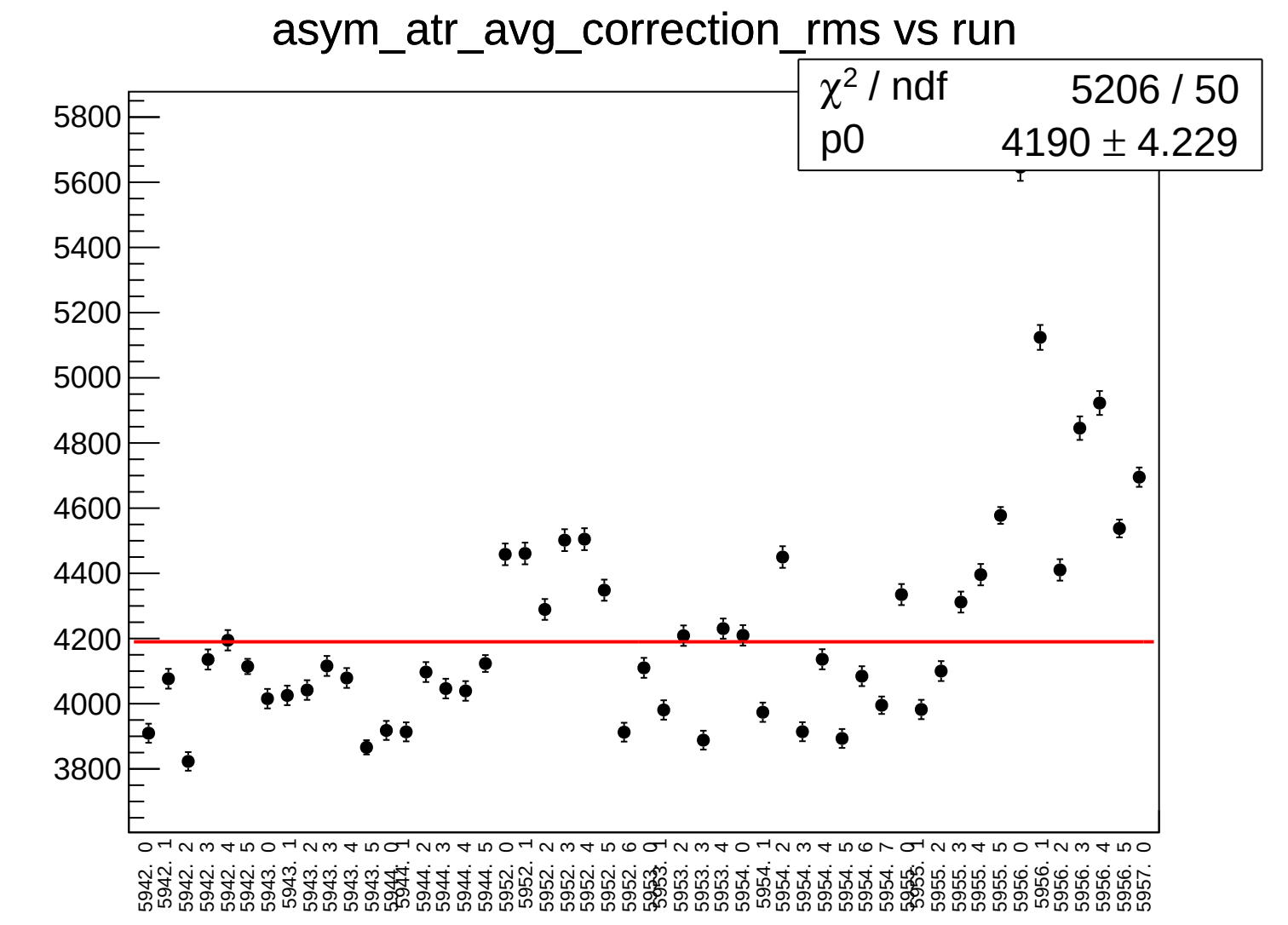

reg_asym_atr_avg_mean vs run
χ² / ndf 54.7 / 50
p0 4101 ± 2747
pull
Entries 51
Mean −247.8
Std Dev 271.4

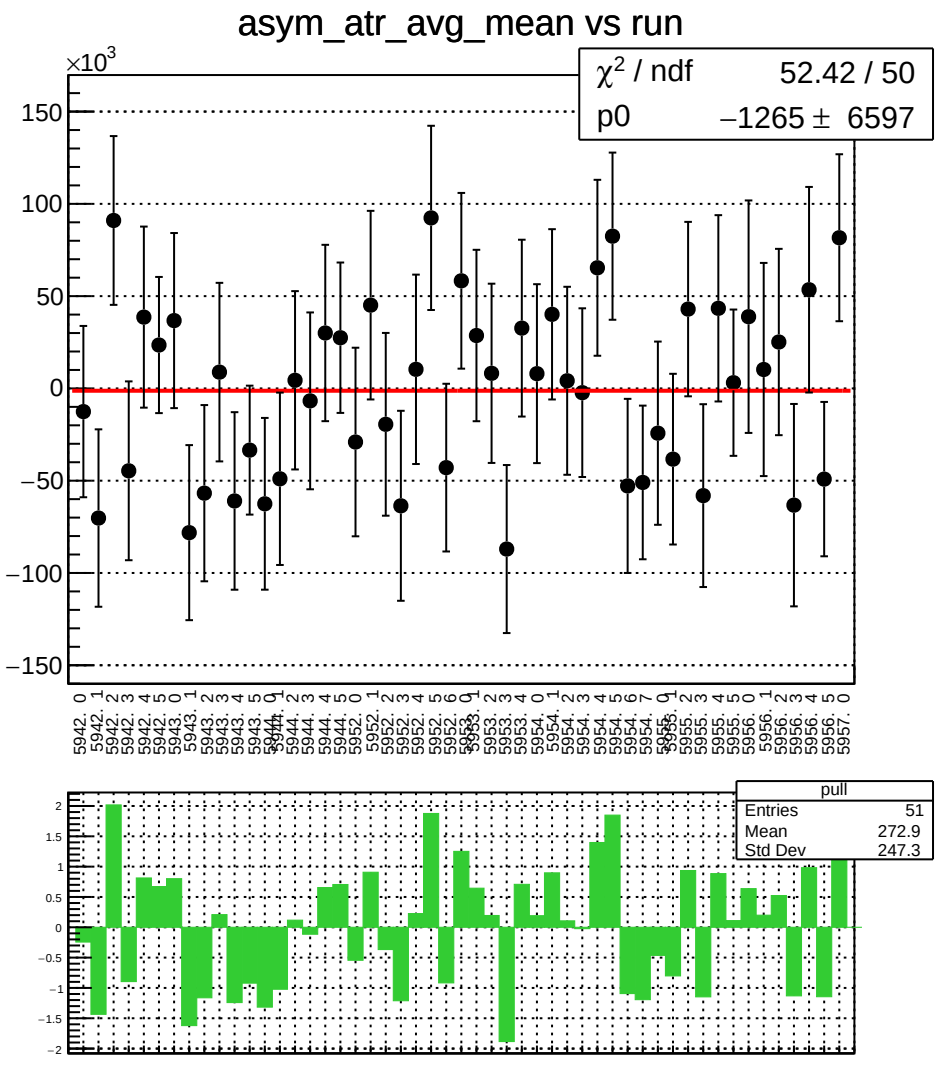

pull1D
Entries 51
Mean −0.01079
Std Dev 1.036

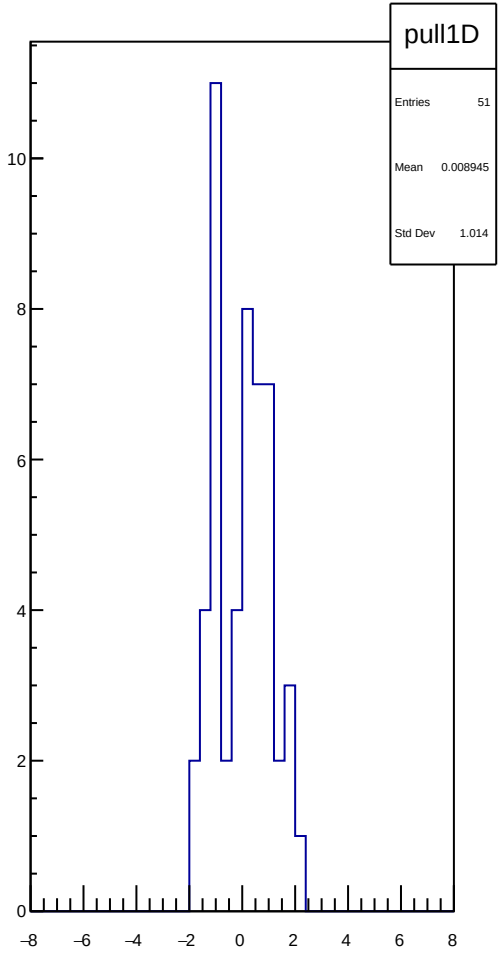

reg_asym_atr_avg_rms vs run
χ^2 / ndf 1805 / 50
p0 1928 ± 1.942
2100
2050
2000
1950
1900
1850
1800
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 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

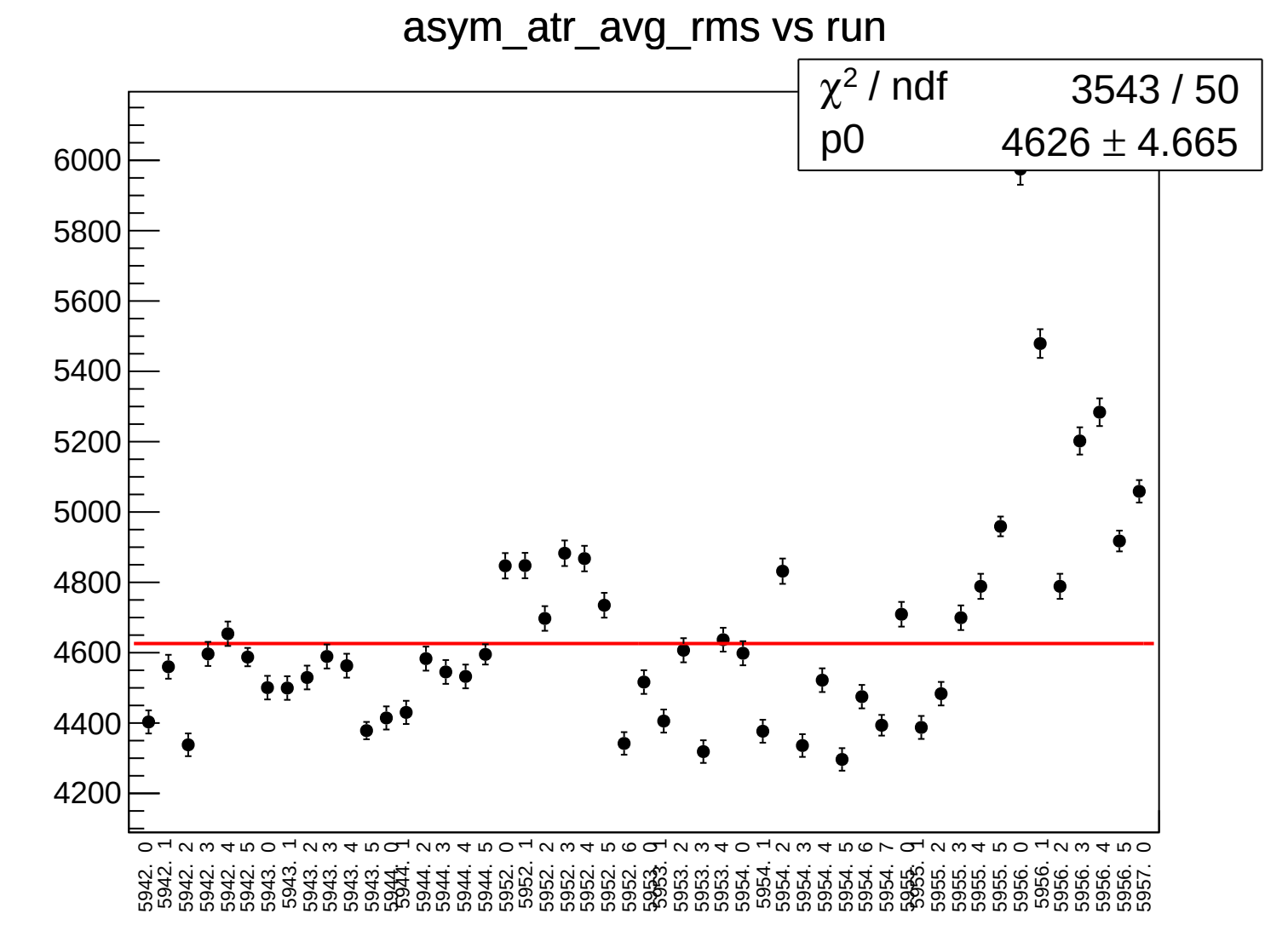

asym_atr_avg_correction_mean vs run
×10^3
χ^2 / ndf 54.56 / 50
p0 5398 ± 5980
150
100
50
0
−50
−100
−150
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5952. 7
5952. 8
5952. 9
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
5954. 8
5954. 9
5955. 0
5955. 1
5955. 2
5955. 3
5955. 4
5955. 5
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5956. 6
5957. 0
pull
Entries 51
Mean 94.81
Std Dev 66.08
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

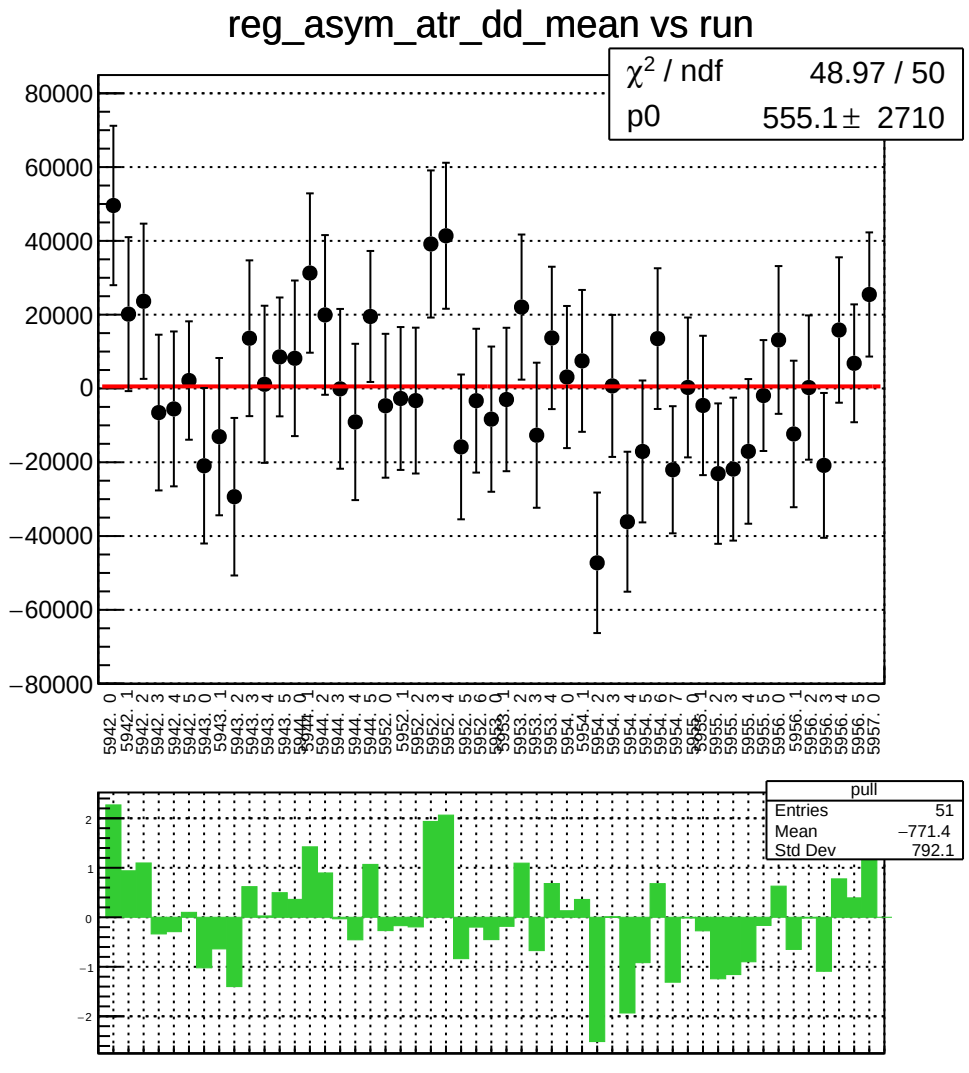

pull1D
Entries 51
Mean −0.01667
Std Dev 1.034
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

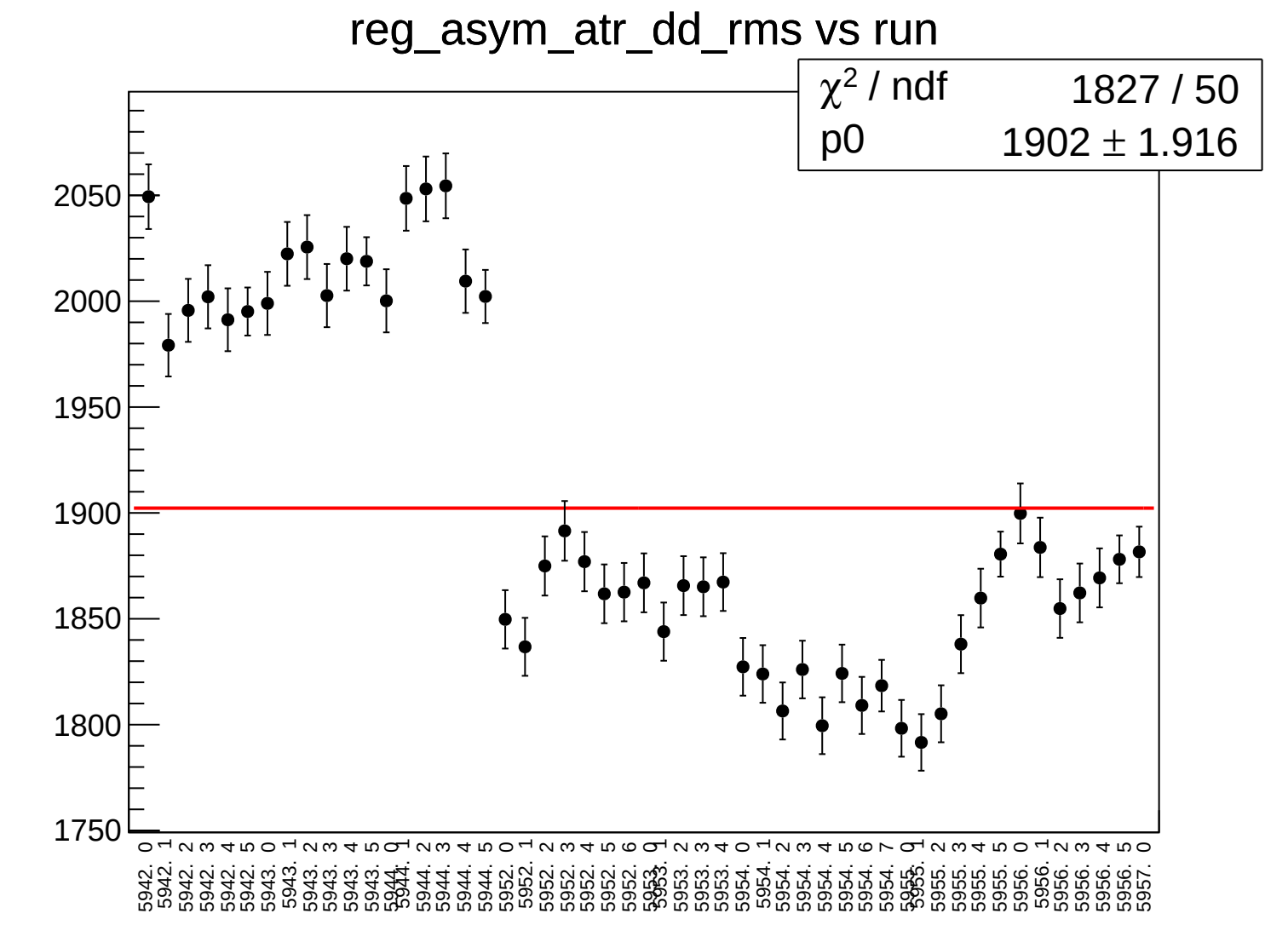

asym_atr_avg_correction_rms vs run
χ² / ndf 5206 / 50
p0 4190 ± 4.229
5800
5600
5400
5200
5000
4800
4600
4400
4200
4000
3800
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
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

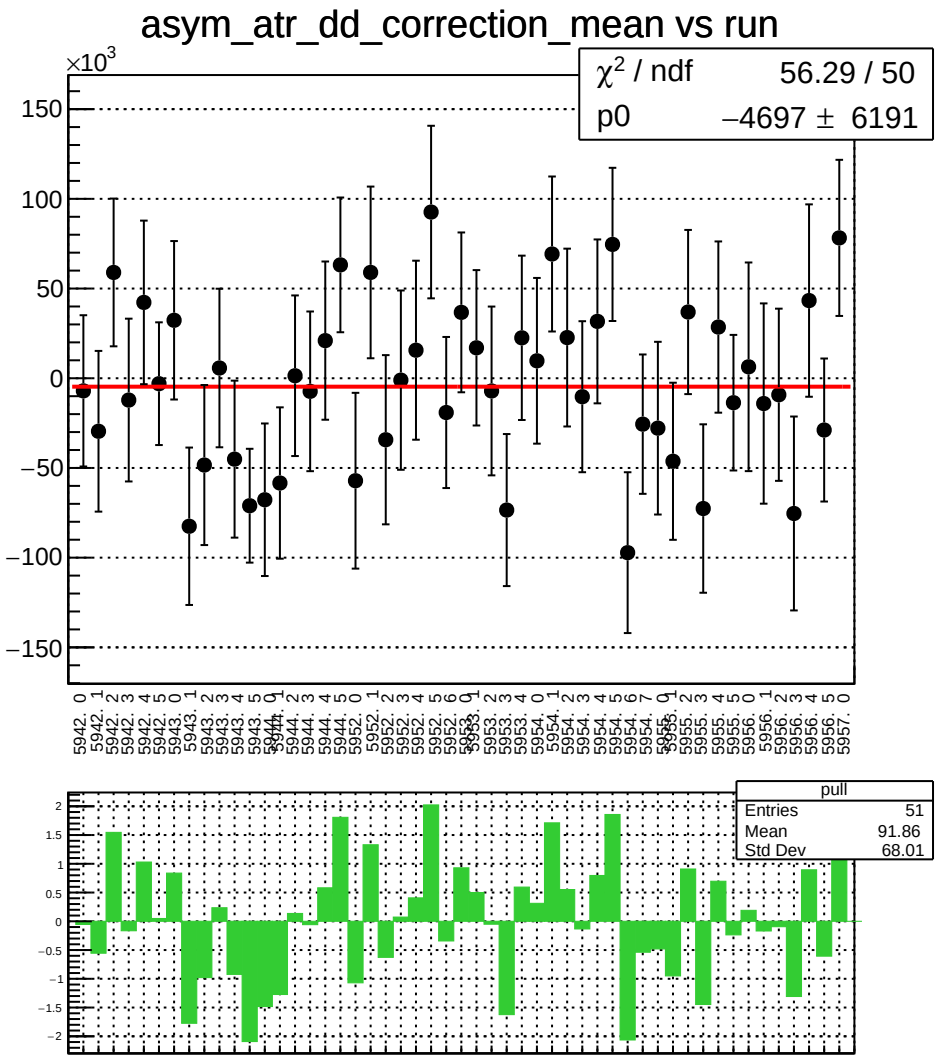

asym_atr_avg_mean vs run
×10^3
χ² / ndf 52.42 / 50
p0 −1265 ± 6597
150
100
50
0
−50
−100
−150
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5952. 9
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
5956. 0
5957. 0
pull
Entries 51
Mean 272.9
Std Dev 247.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

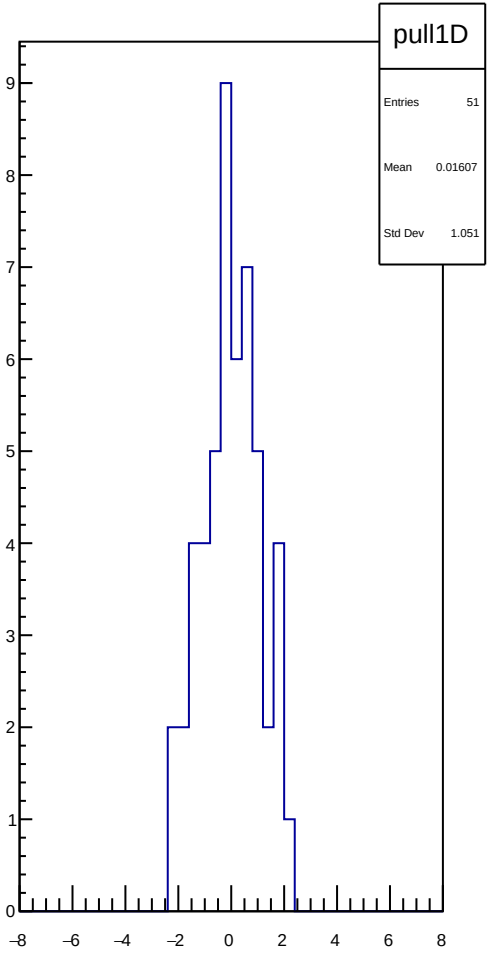

pull1D
Entries 51
Mean 0.008945
Std Dev 1.014
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

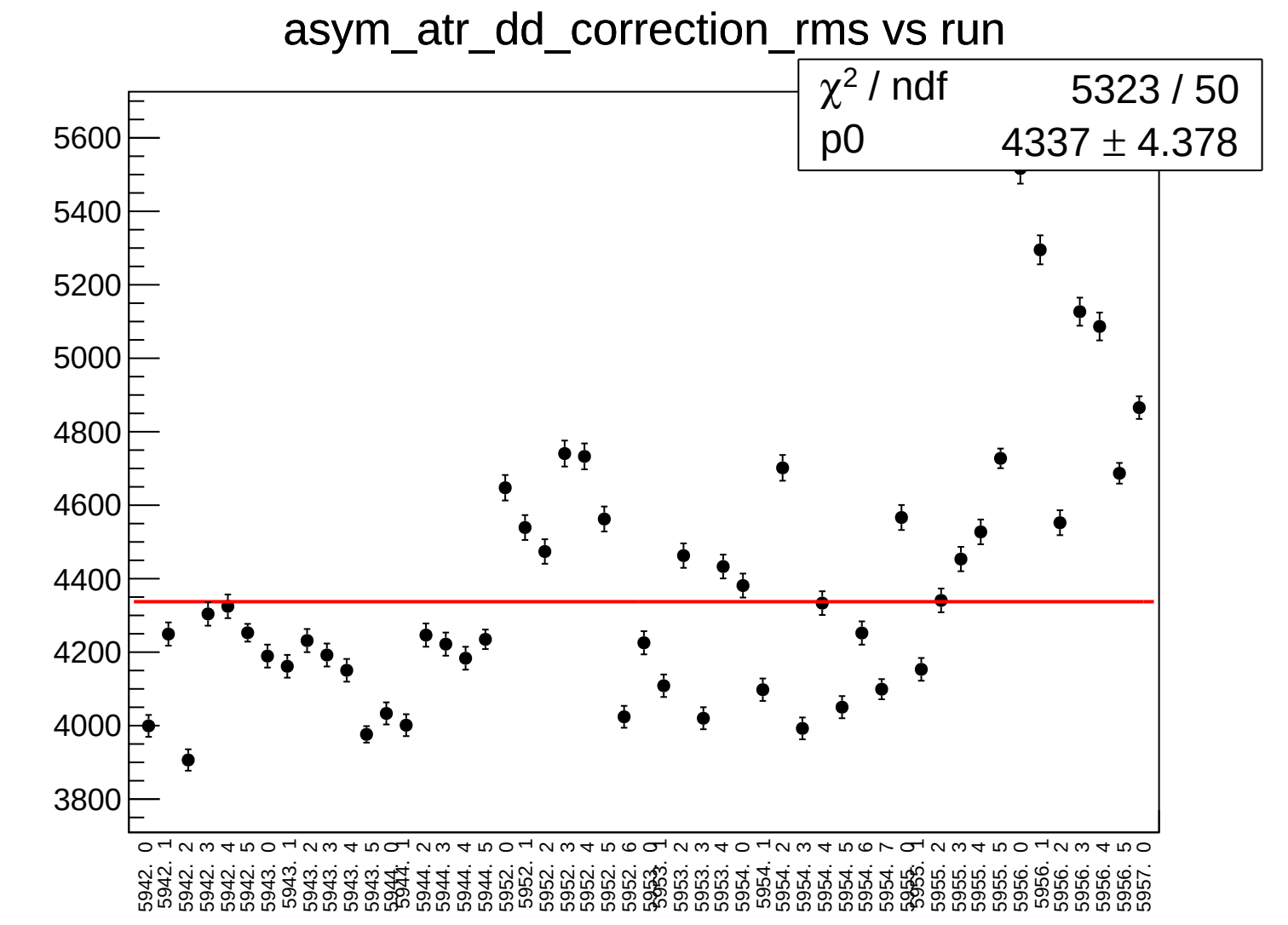

asym_atr_avg_rms vs run
χ² / ndf 3543 / 50
p0 4626 ± 4.665
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
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

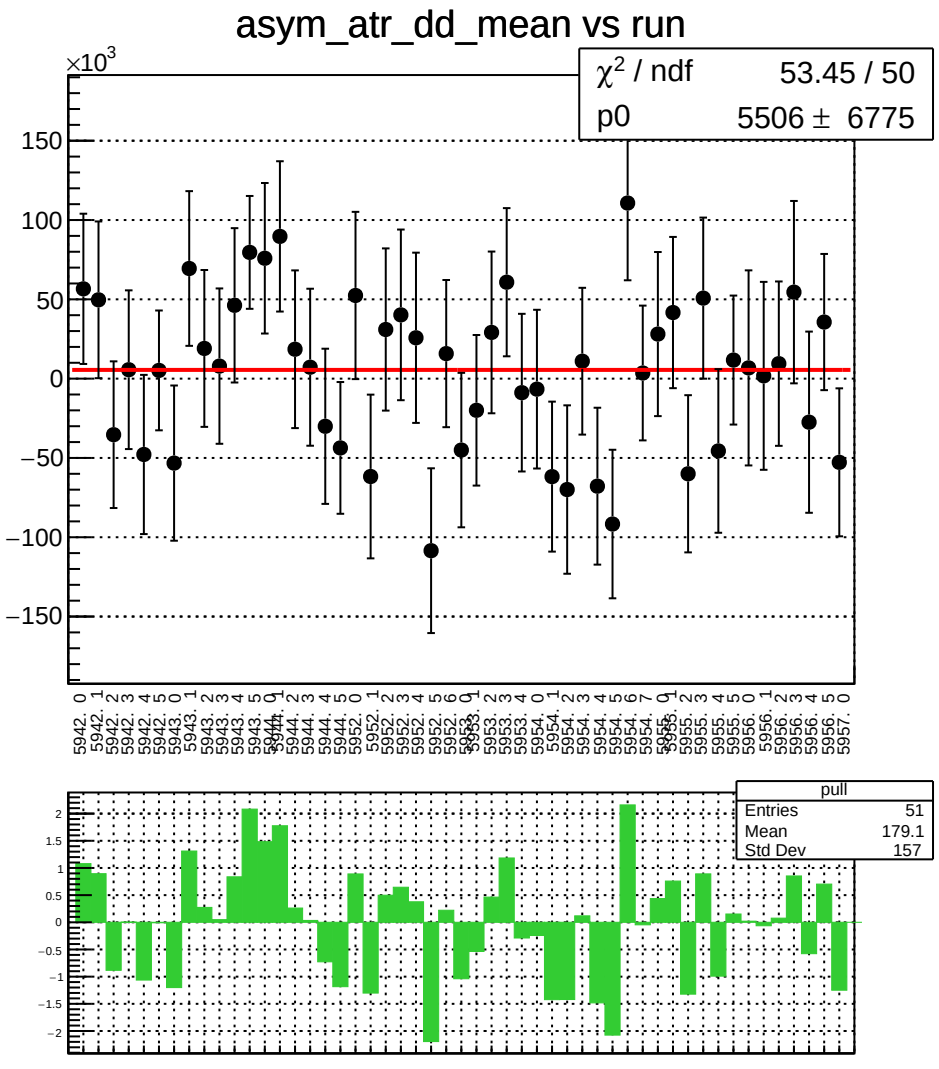

reg_asym_atr_dd_mean vs run
χ² / ndf 48.97 / 50
p0 555.1 ± 2710
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5952. 7
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
5956. 6
5957. 0
pull
Entries 51
Mean −771.4
Std Dev 792.1
2
1
0
−1
−2
pull1D
Entries 51
Mean 0.004105
Std Dev 0.9799
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

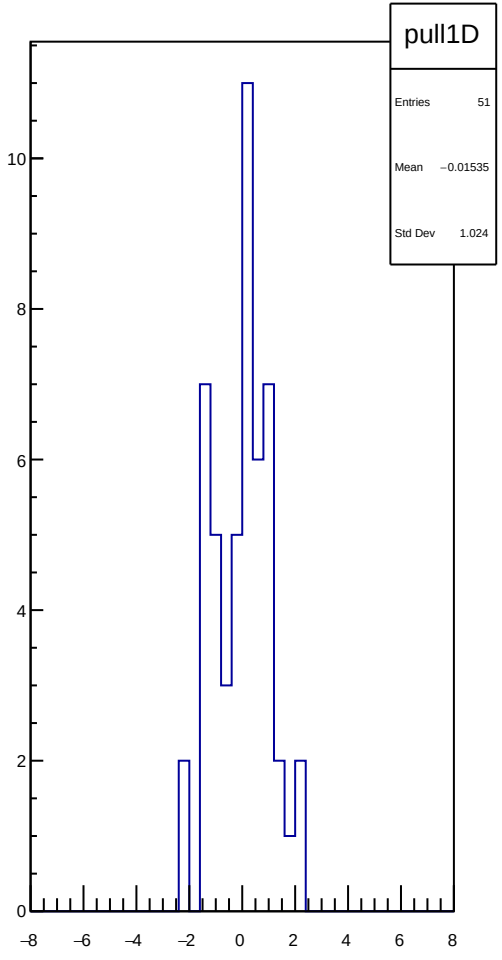

reg_asym_atr_dd_rms vs run
χ² / ndf 1827 / 50
p0 1902 ± 1.916
2050
2000
1950
1900
1850
1800
1750
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 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

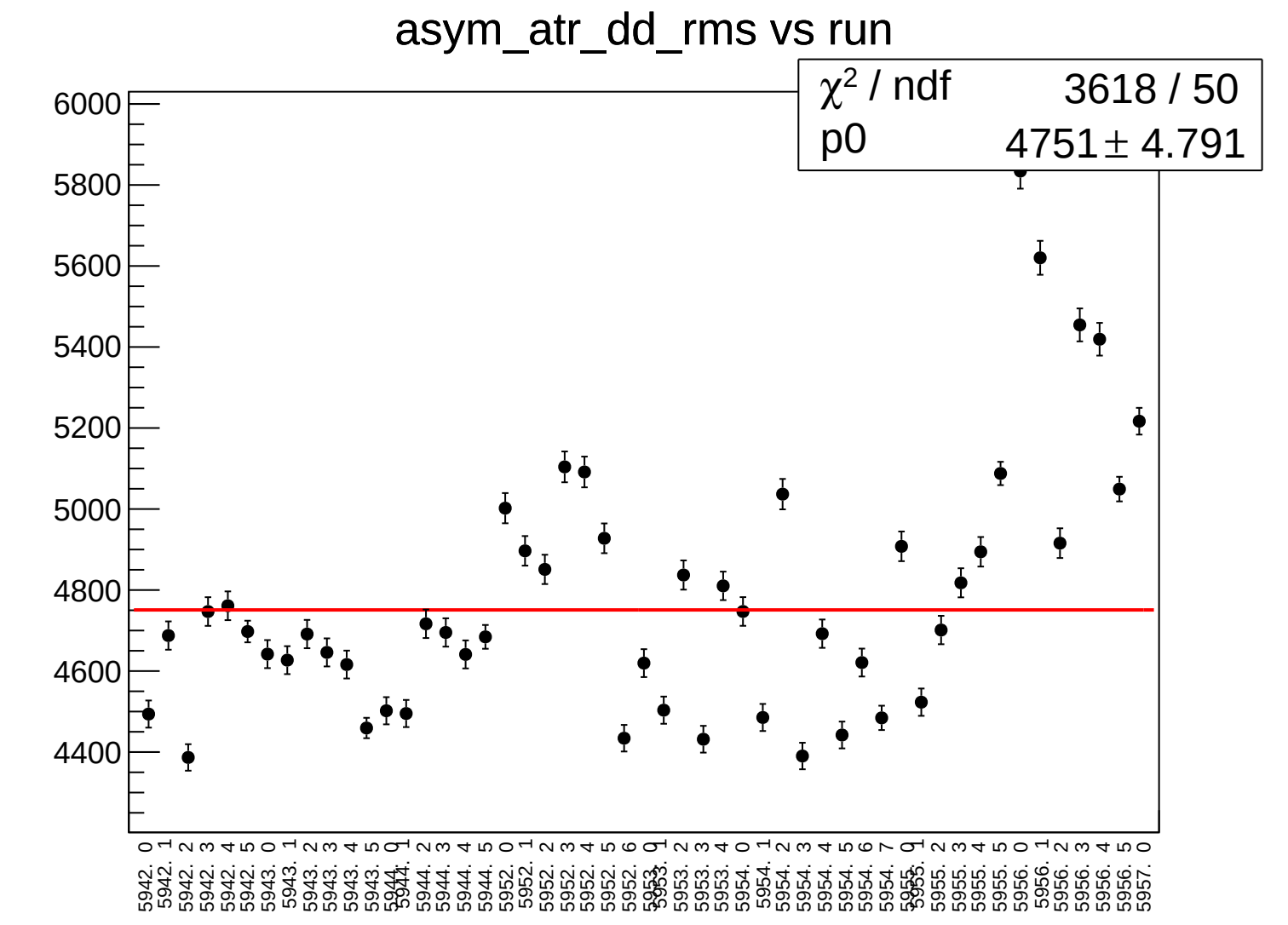

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 56.29 / 50
p0 −4697 ± 6191
150
100
50
0
−50
−100
−150
pull
Entries 51
Mean 91.86
Std Dev 68.01
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

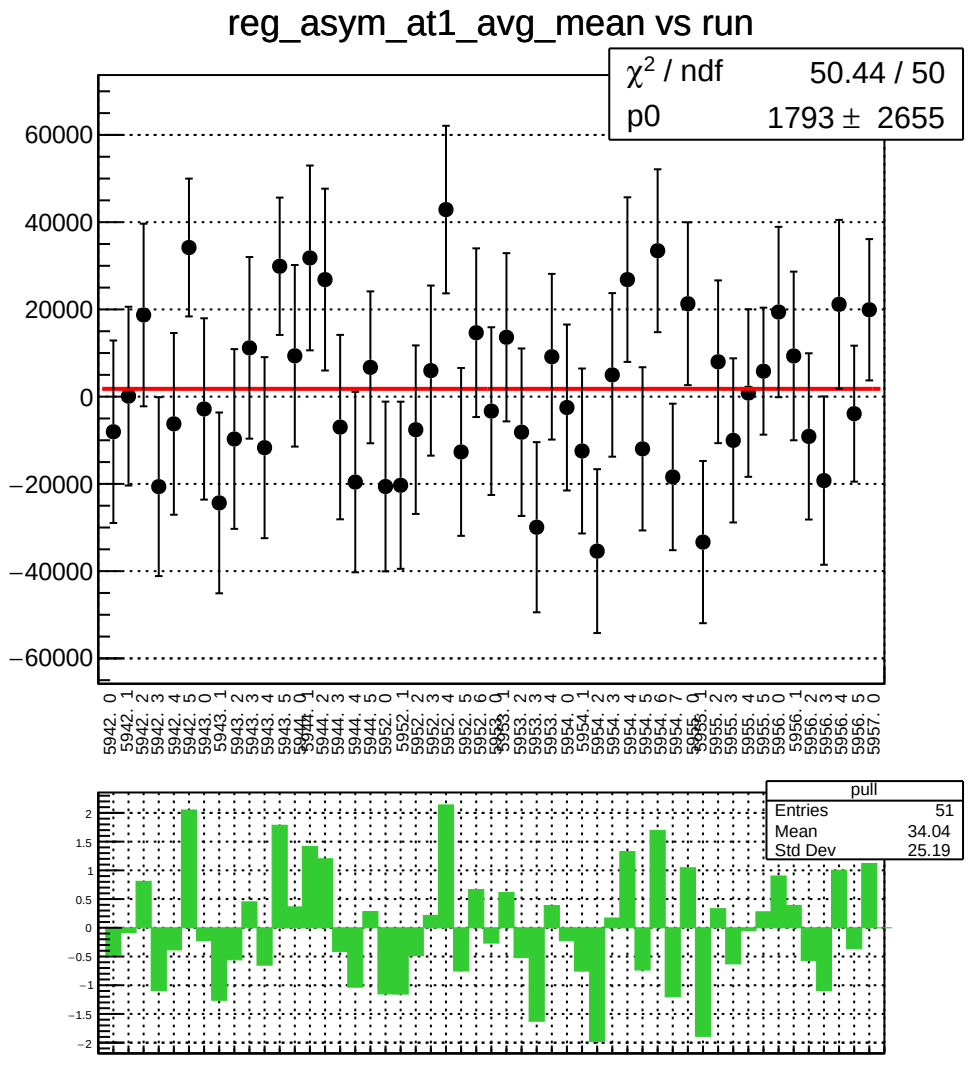

pull1D
Entries 51
Mean 0.01607
Std Dev 1.051
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

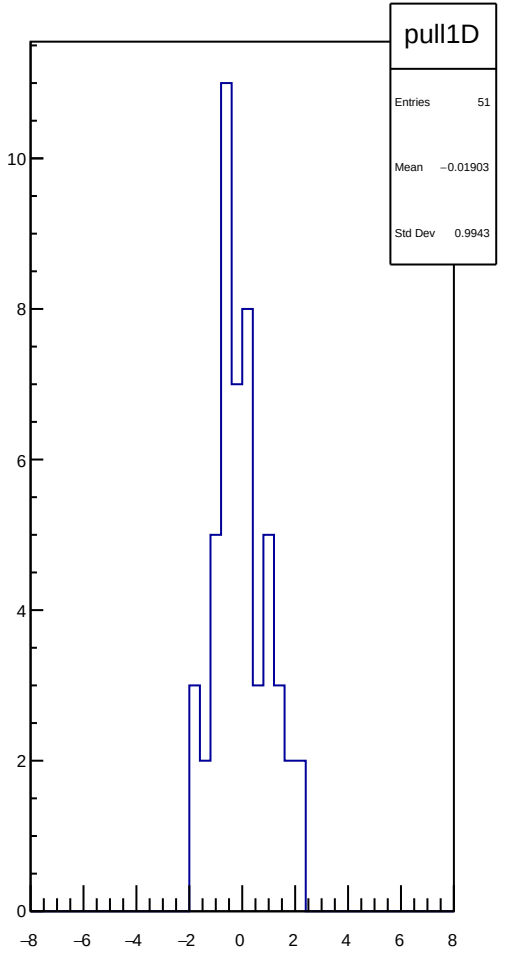

asym_atr_dd_correction_rms vs run
χ² / ndf 5323 / 50
p0 4337 ± 4.378
5600
5400
5200
5000
4800
4600
4400
4200
4000
3800
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 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

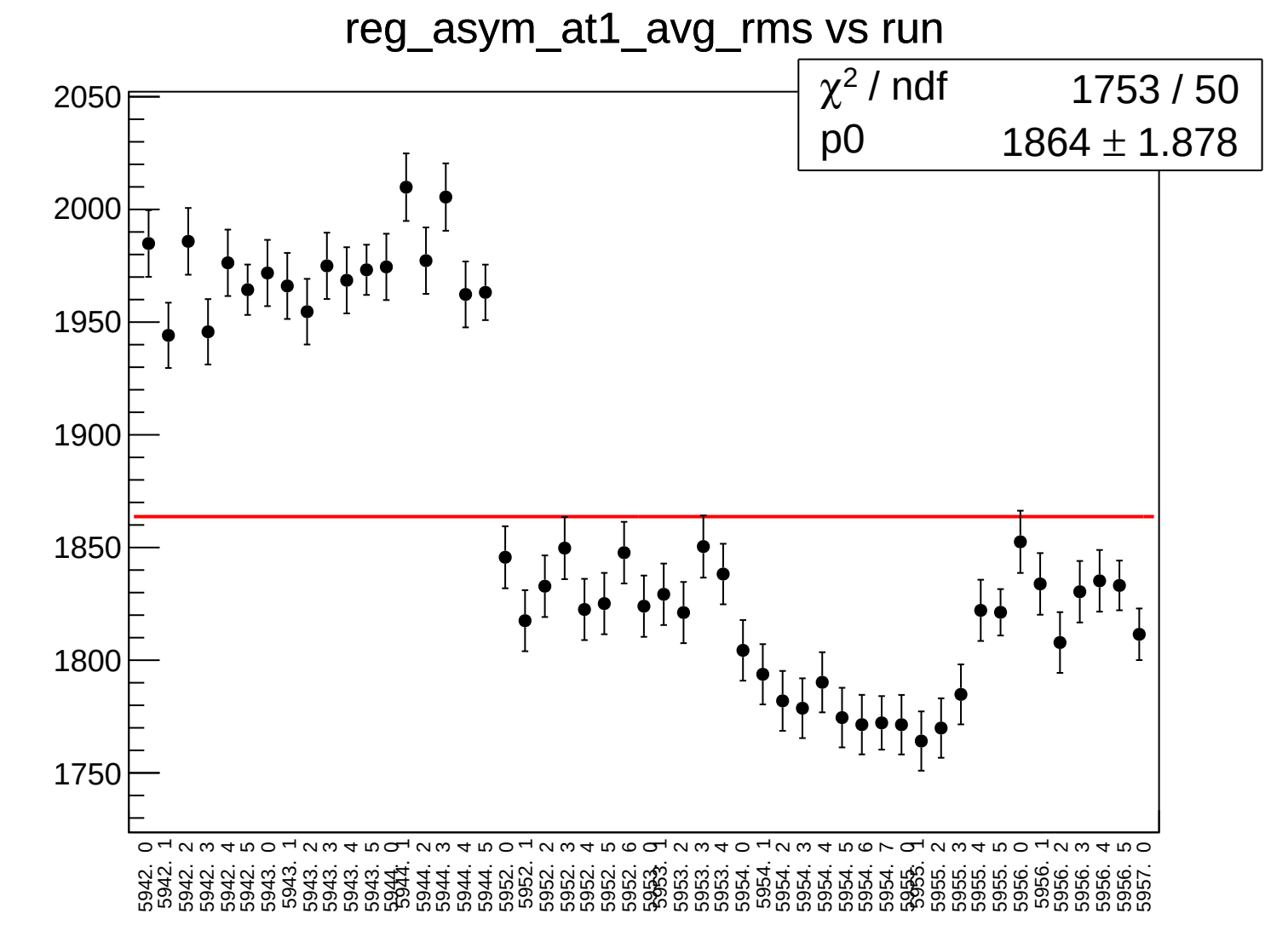

asym_atr_dd_mean vs run
×10^3
χ² / ndf 53.45 / 50
p0 5506 ± 6775
150
100
50
0
−50
−100
−150
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5952. 9
5953. 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
5956. 6
5957. 0
pull
Entries 51
Mean 179.1
Std Dev 157
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

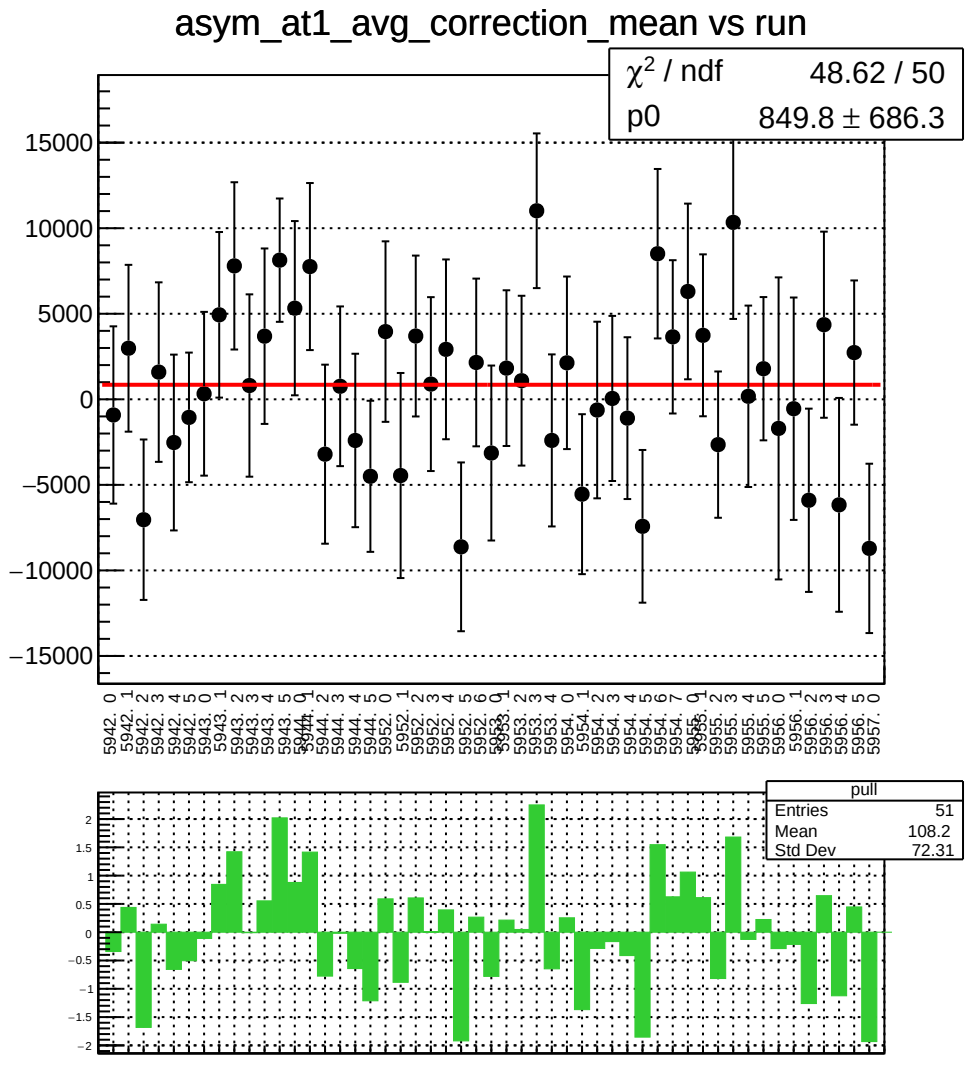

pull1D
Entries 51
Mean −0.01535
Std Dev 1.024
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

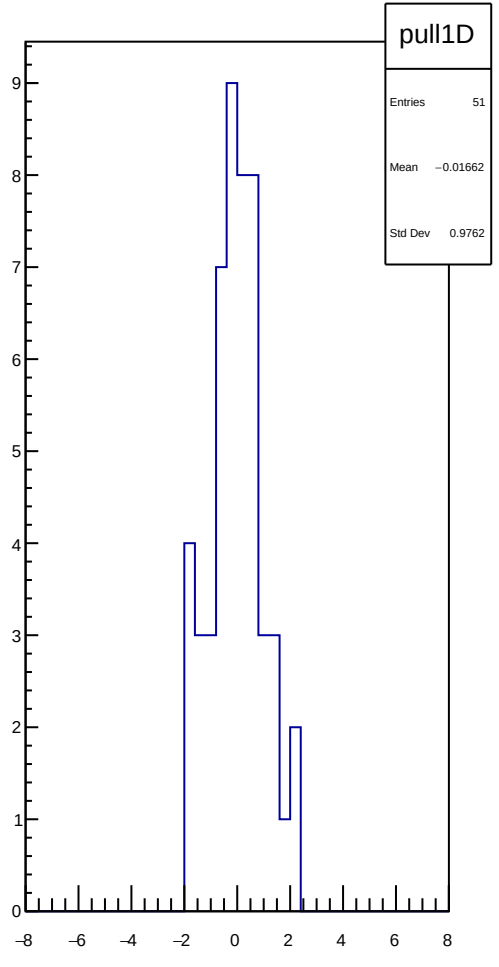

asym_atr_dd_rms vs run
χ² / ndf 3618 / 50
p0 4751 ± 4.791
6000
5800
5600
5400
5200
5000
4800
4600
4400
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 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

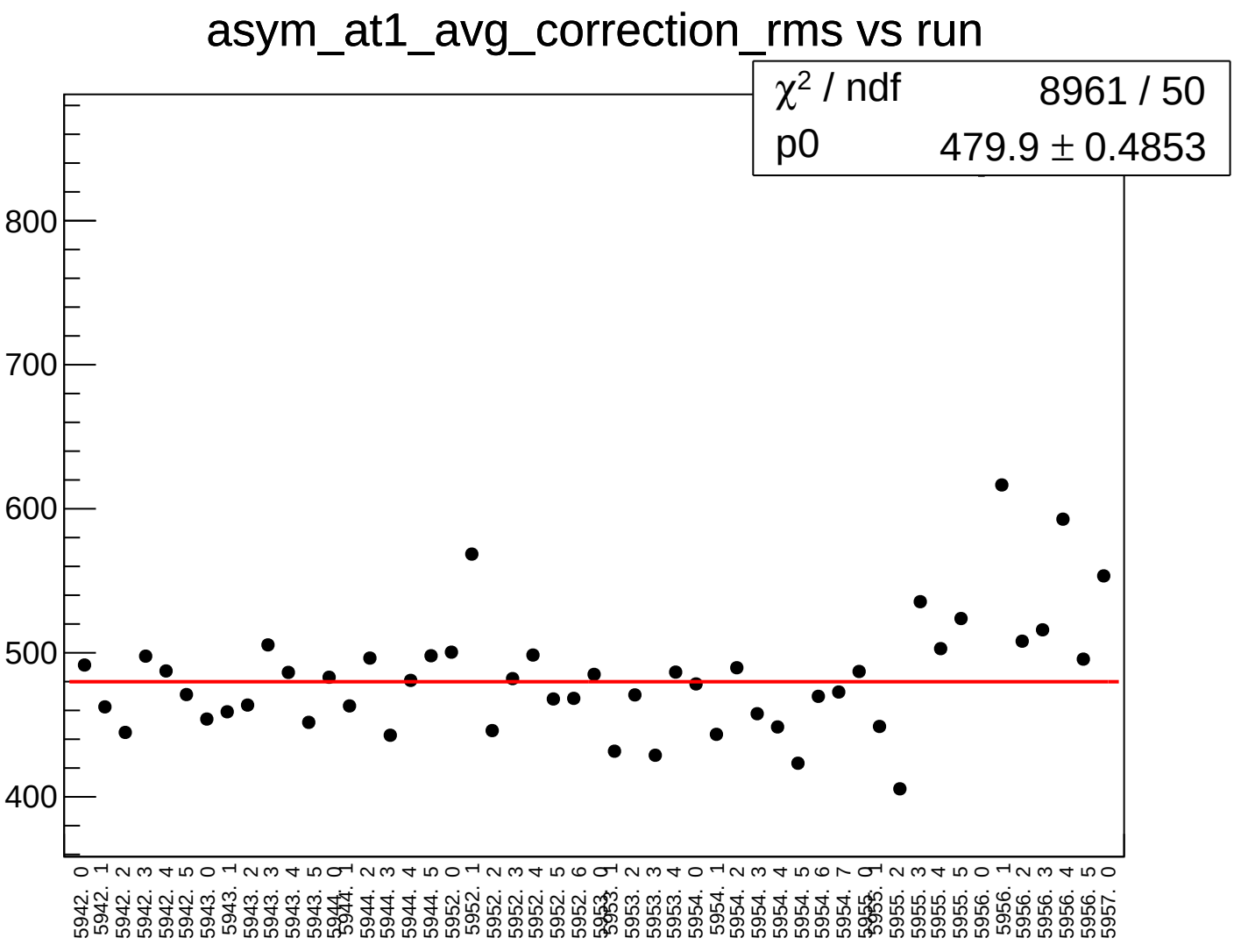

reg_asym_at1_avg_mean vs run
χ² / ndf 50.44 / 50
p0 1793 ± 2655
pull
Entries 51
Mean 34.04
Std Dev 25.19

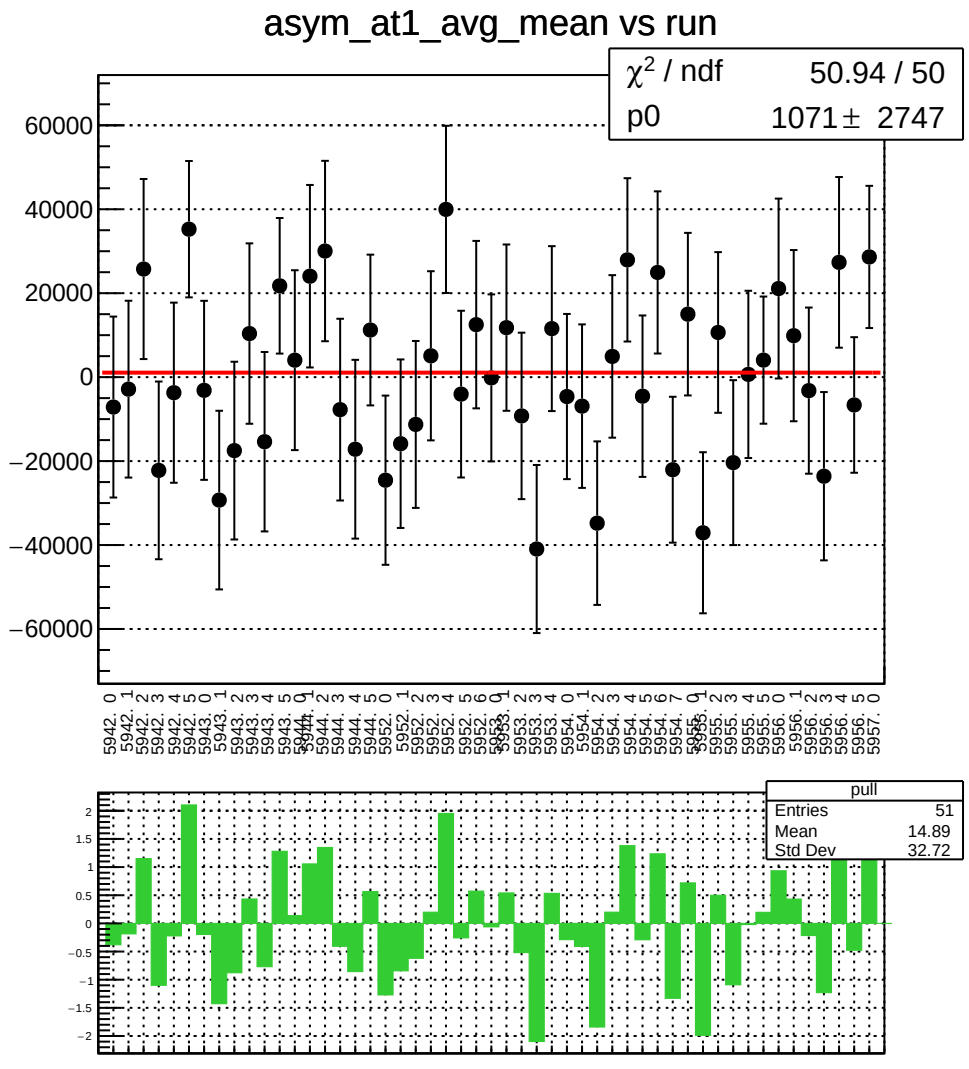

pull1D
Entries 51
Mean −0.01903
Std Dev 0.9943

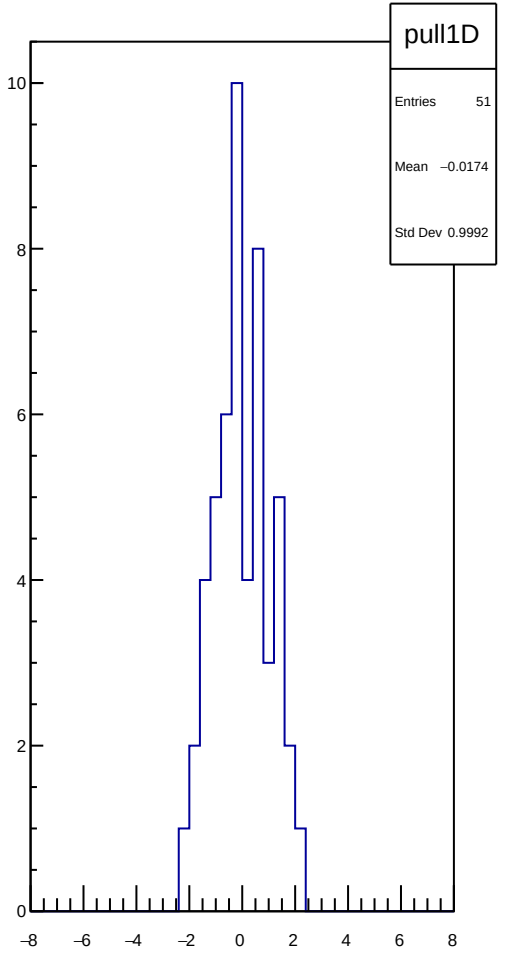

reg_asym_at1_avg_rms vs run
χ² / ndf 1753 / 50
p0 1864 ± 1.878
2050
2000
1950
1900
1850
1800
1750
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 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

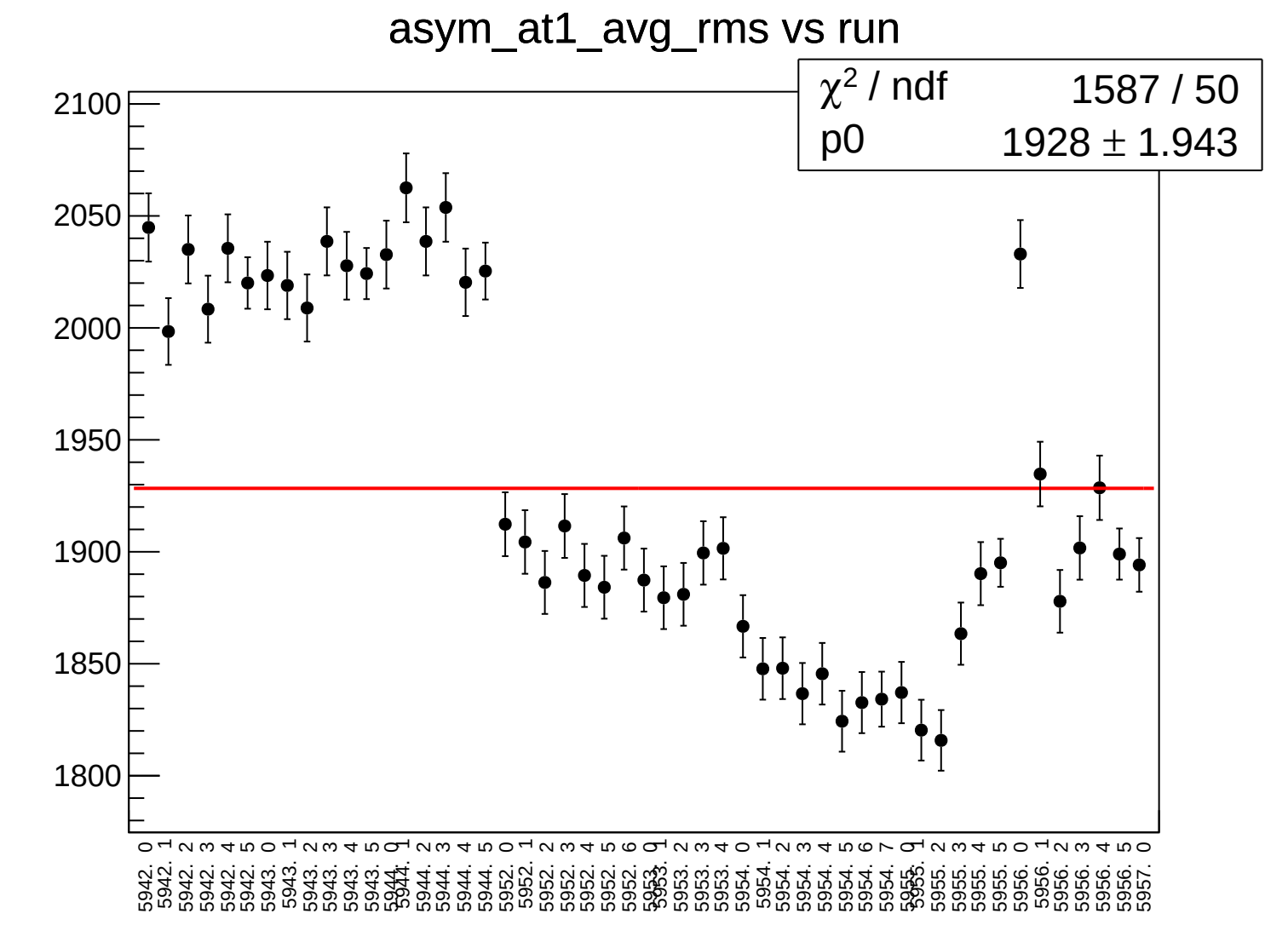

asym_at1_avg_correction_mean vs run
χ² / ndf 48.62 / 50
p0 849.8 ± 686.3
pull
Entries 51
Mean 108.2
Std Dev 72.31

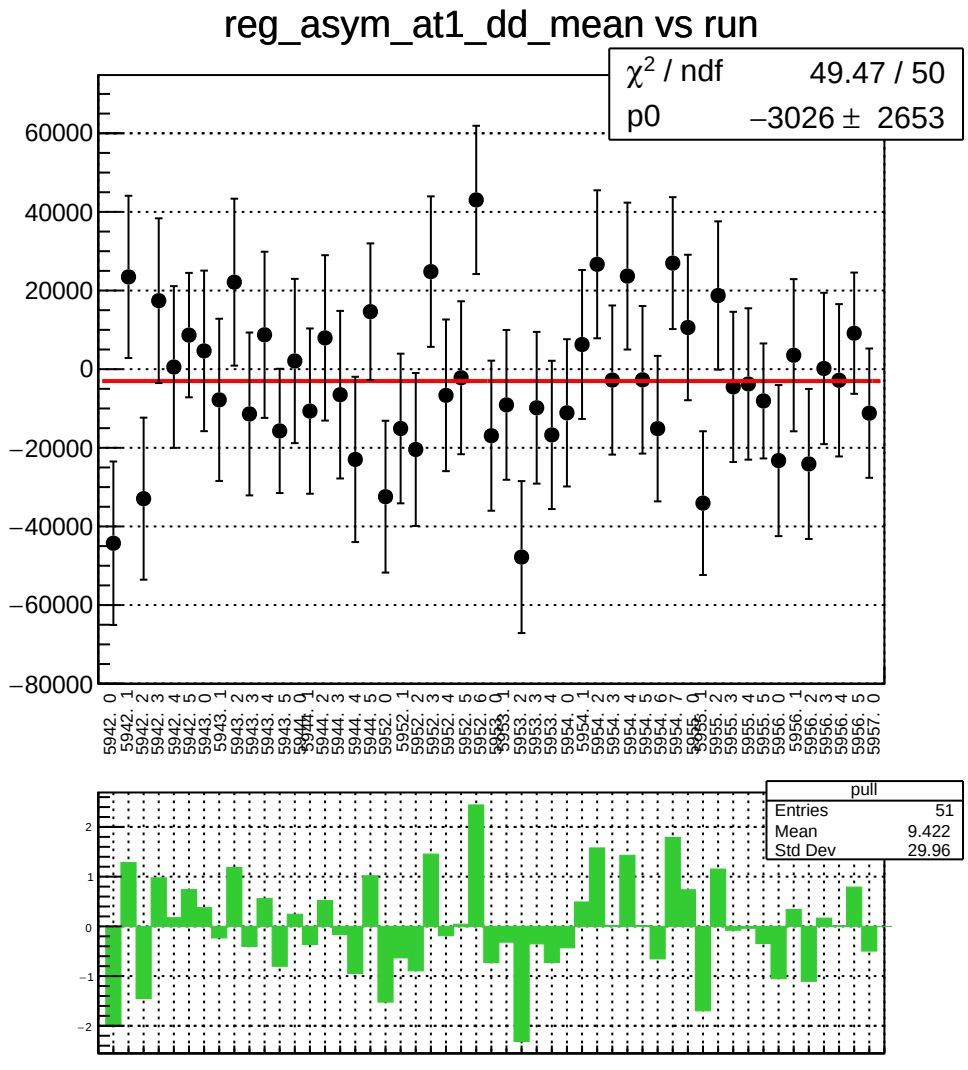

pull1D
Entries 51
Mean −0.01662
Std Dev 0.9762

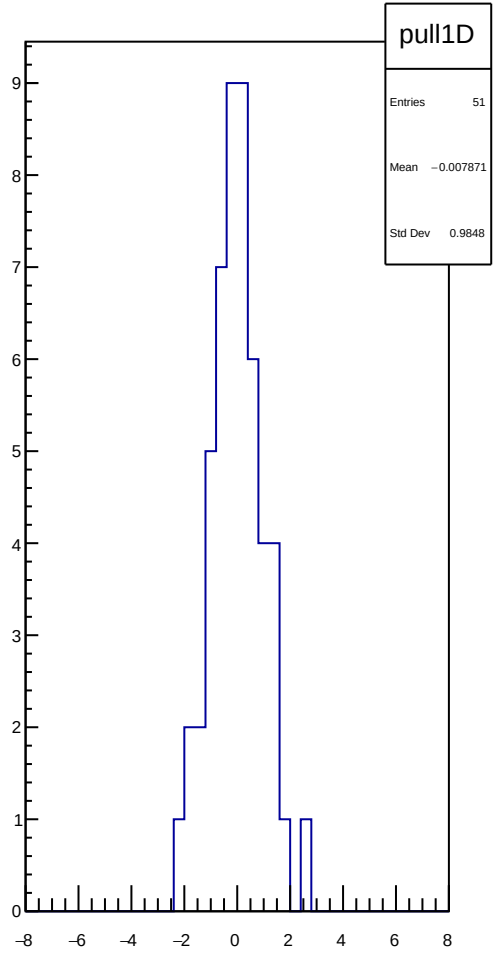

asym_at1_avg_correction_rms vs run
χ² / ndf 8961 / 50
p0 479.9 ± 0.4853
800
700
600
500
400
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 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

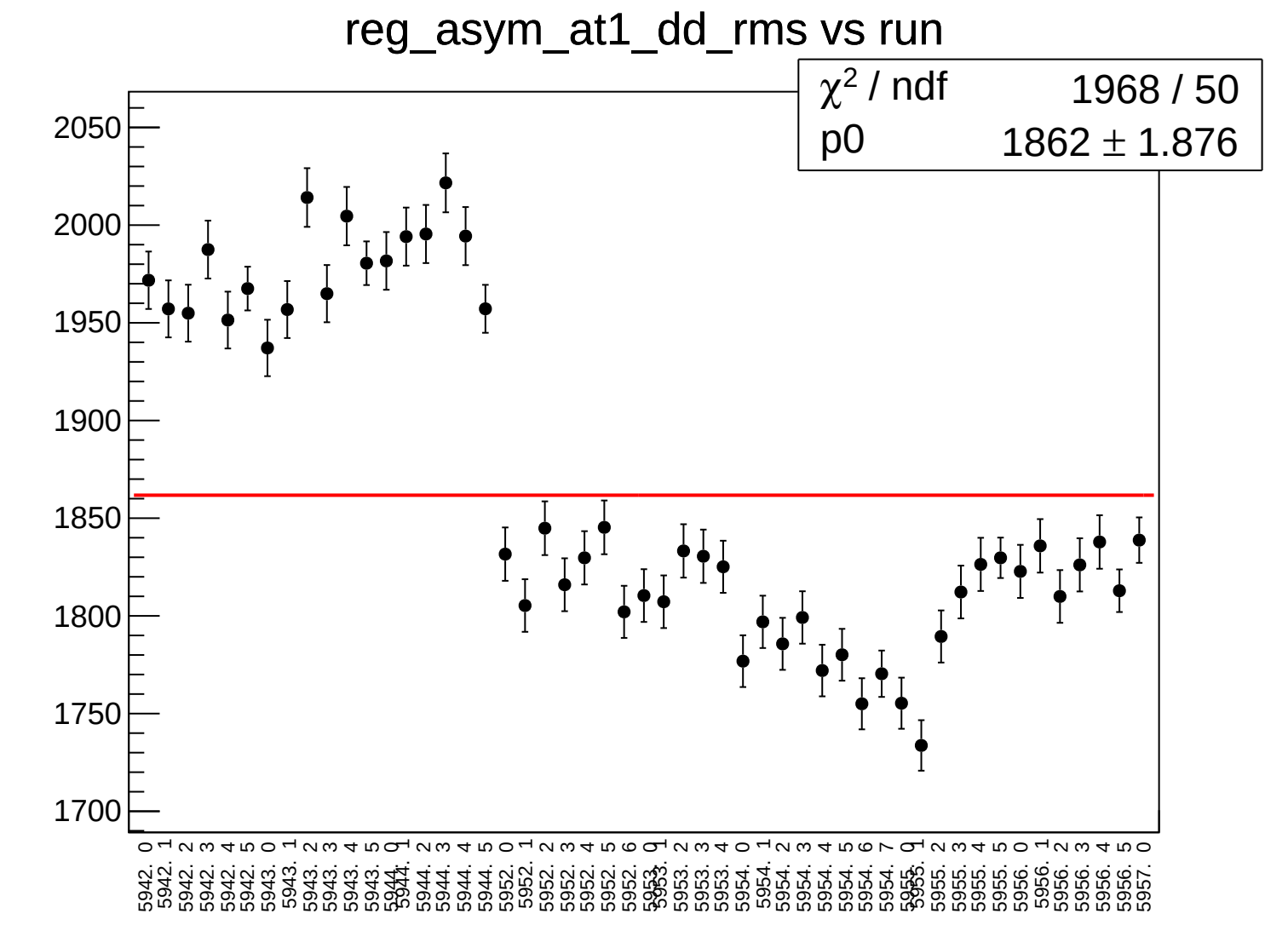

asym_at1_avg_mean vs run
χ² / ndf 50.94 / 50
p0 1071 ± 2747
pull
Entries 51
Mean 14.89
Std Dev 32.72

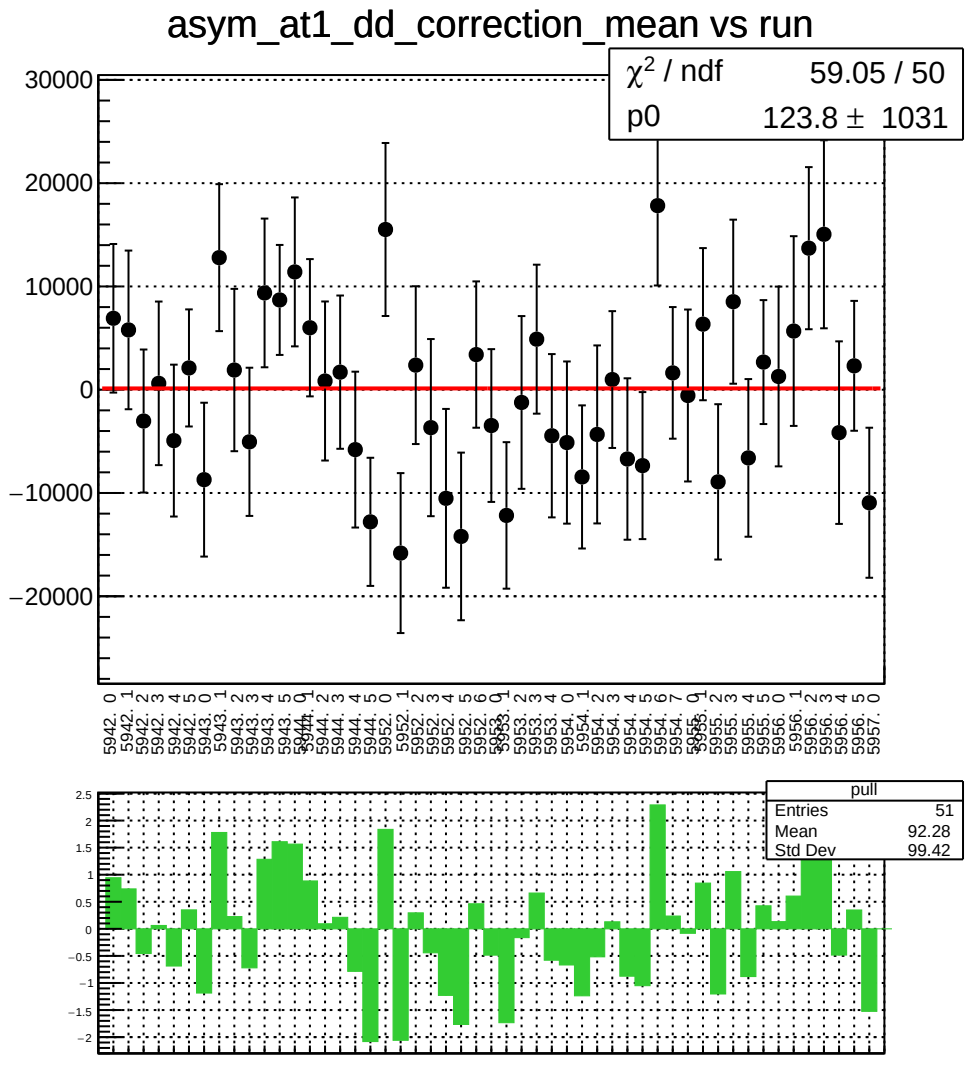

pull1D
Entries 51
Mean −0.0174
Std Dev 0.9992

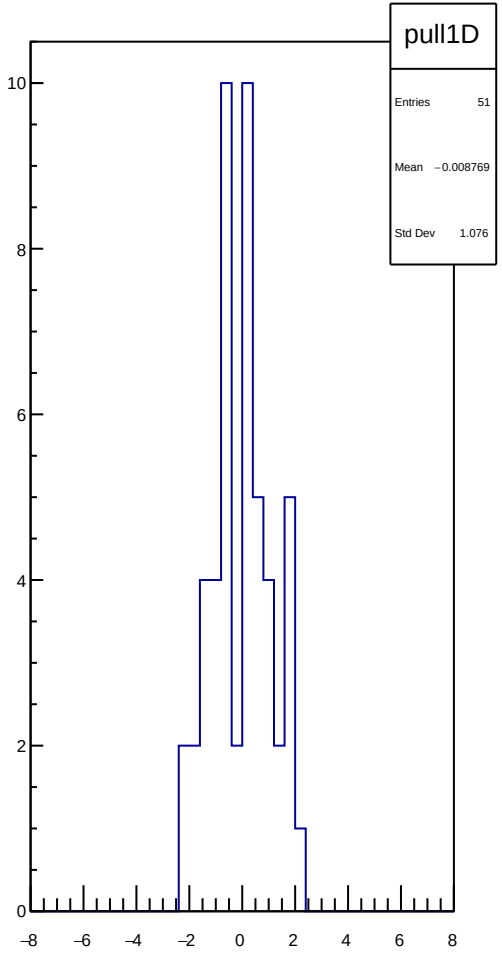

asym_at1_avg_rms vs run
χ² / ndf 1587 / 50
p0 1928 ± 1.943
2100
2050
2000
1950
1900
1850
1800
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
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

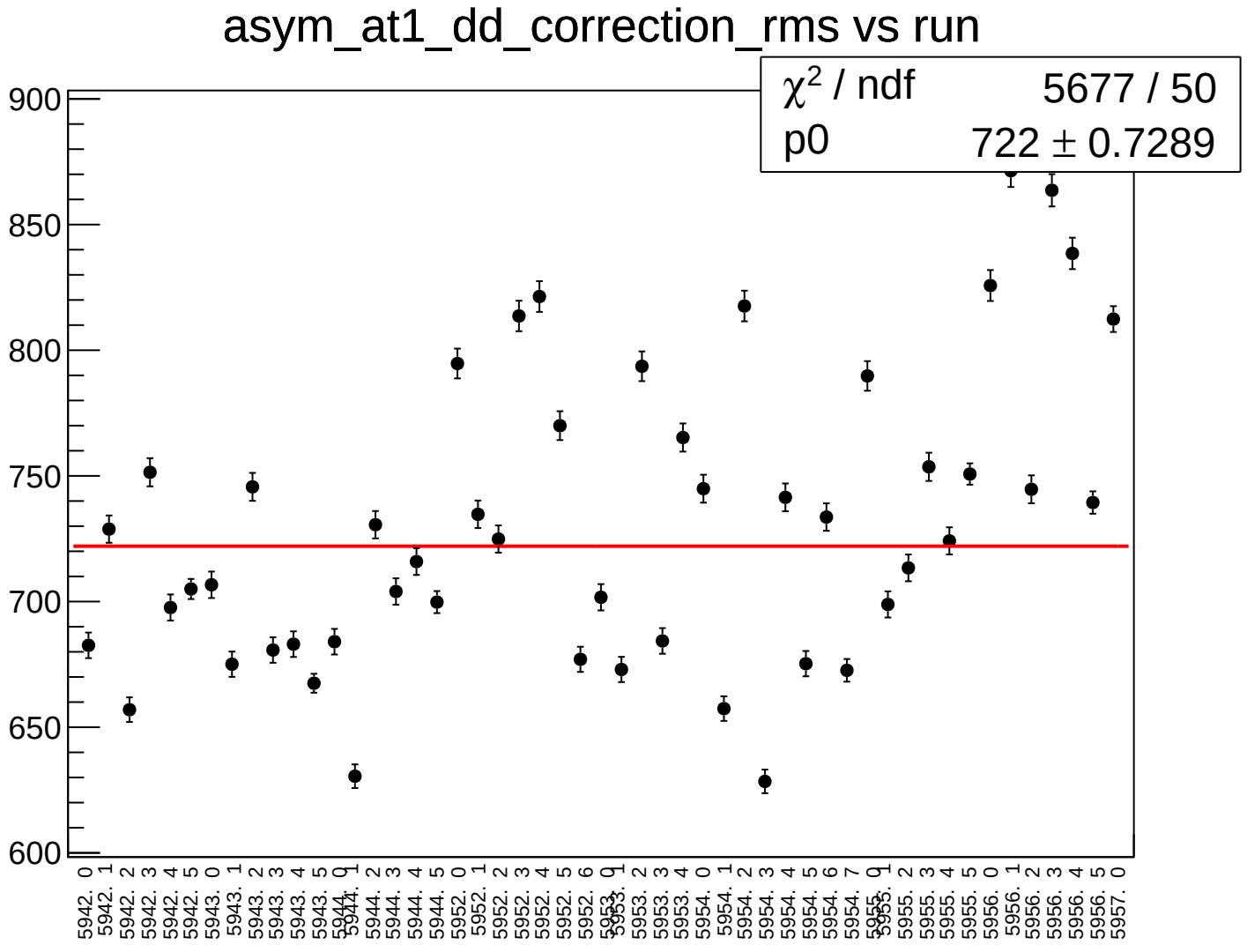

reg_asym_at1_dd_mean vs run
χ² / ndf 49.47 / 50
p0 −3026 ± 2653
pull
Entries 51
Mean 9.422
Std Dev 29.96

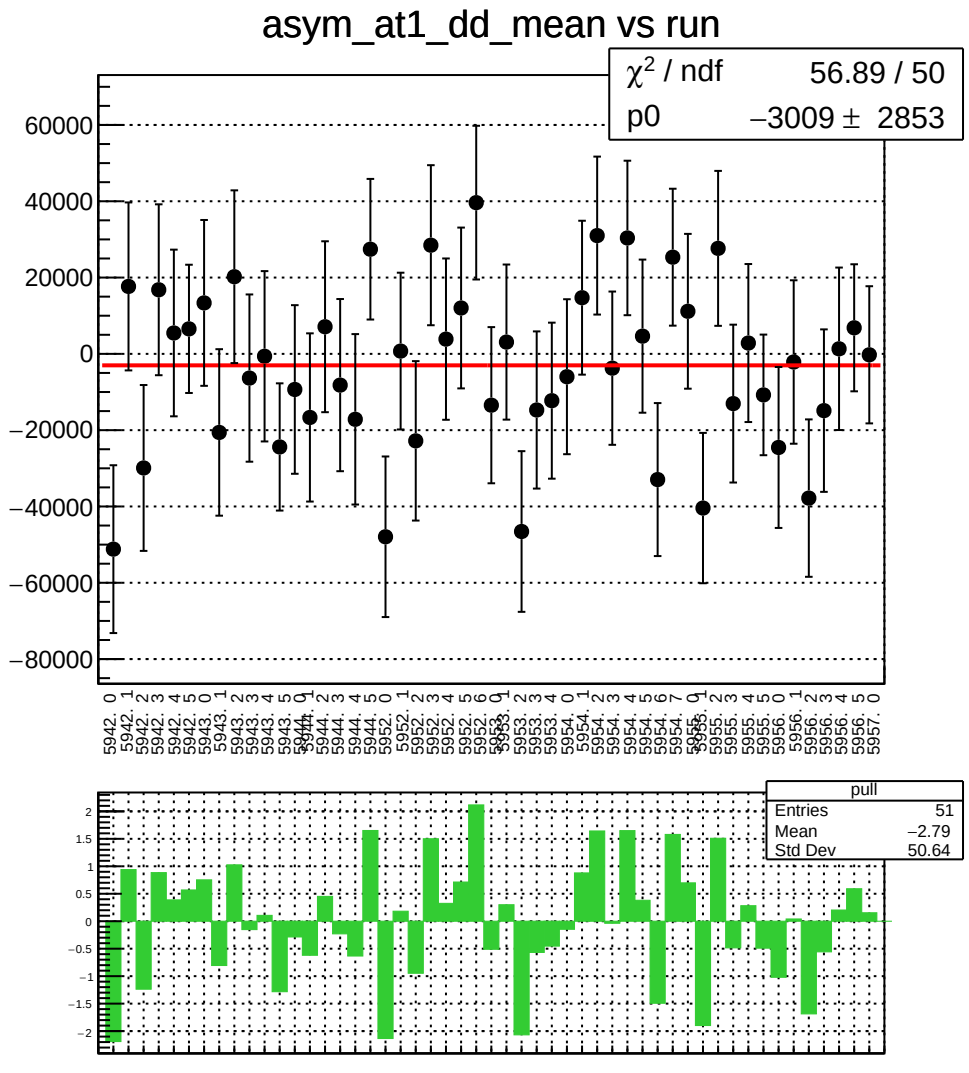

pull1D
Entries 51
Mean −0.007871
Std Dev 0.9848

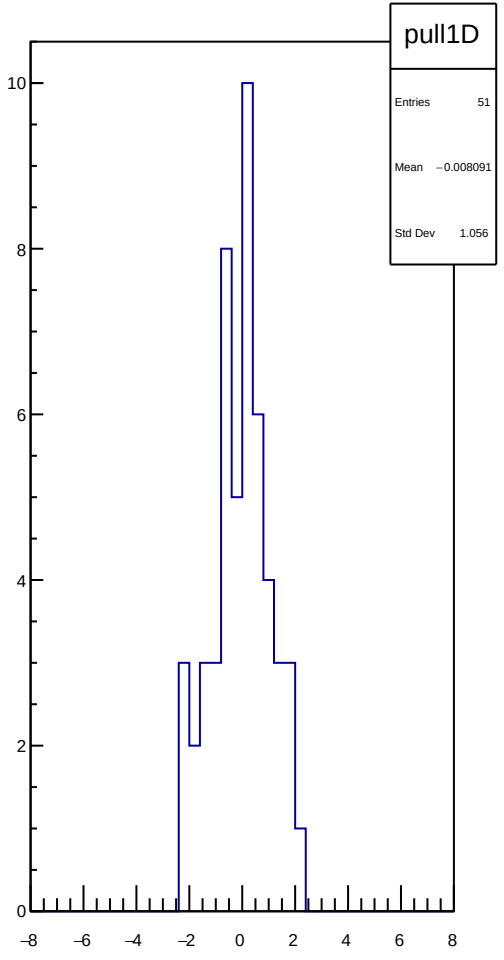

reg_asym_at1_dd_rms vs run
χ² / ndf 1968 / 50
p0 1862 ± 1.876
2050
2000
1950
1900
1850
1800
1750
1700
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
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

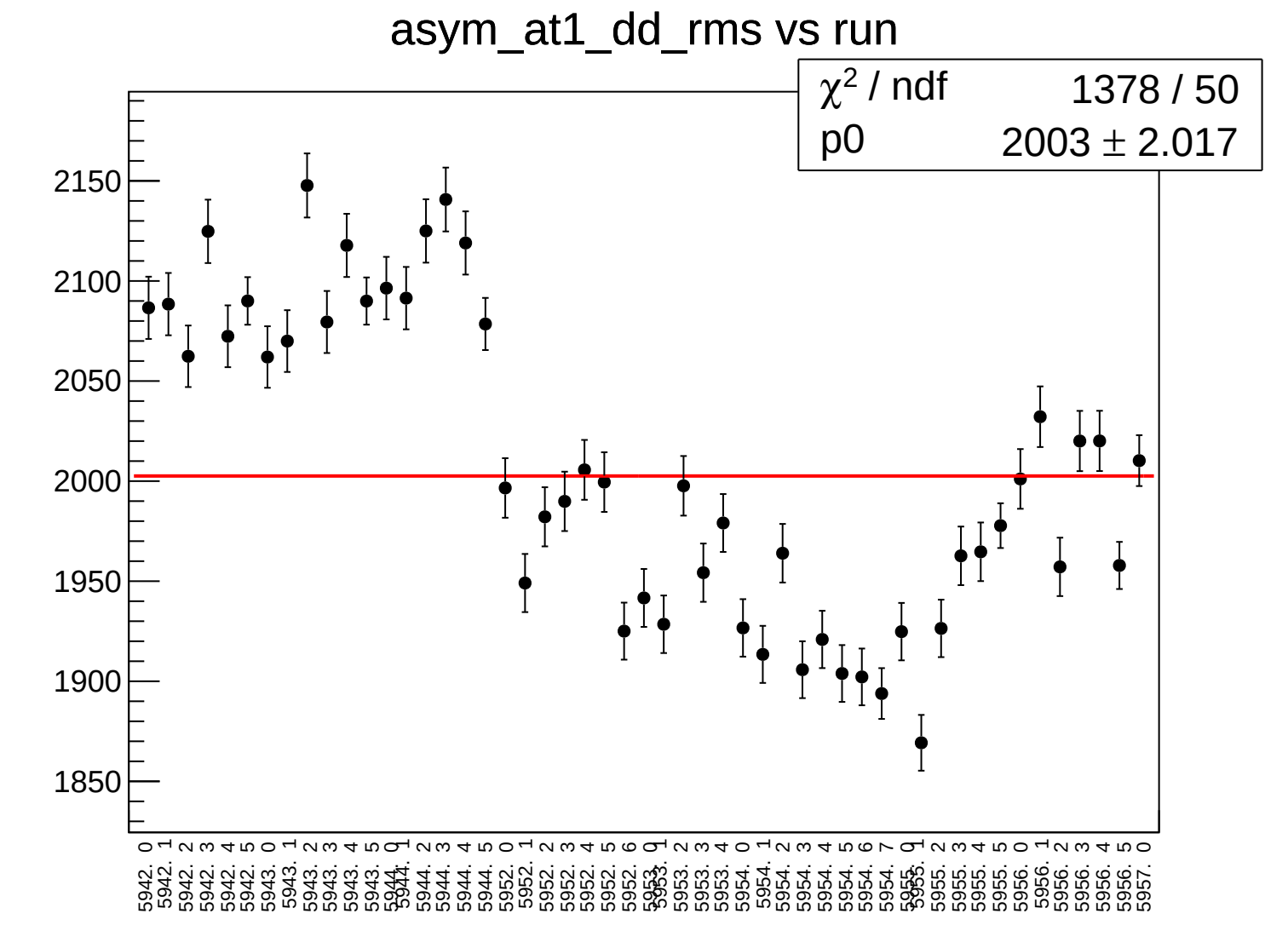

asym_at1_dd_correction_mean vs run
χ² / ndf 59.05 / 50
p0 123.8 ± 1031
pull
Entries 51
Mean 92.28
Std Dev 99.42

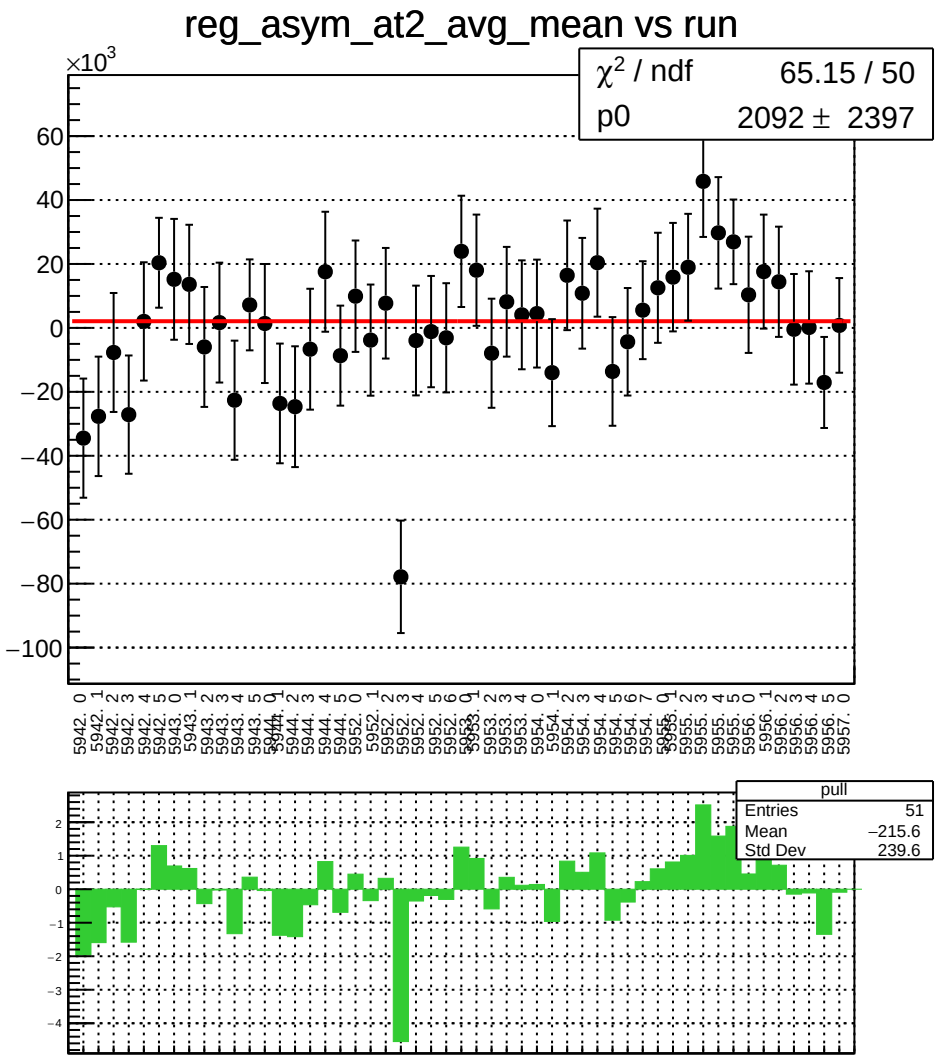

pull1D
Entries 51
Mean −0.008769
Std Dev 1.076

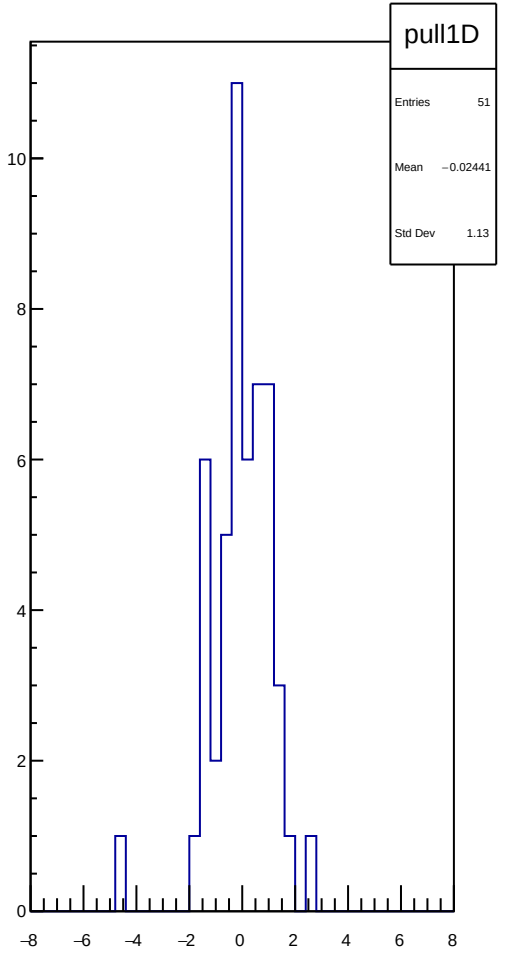

asym_at1_dd_correction_rms vs run
χ² / ndf 5677 / 50
p0 722 ± 0.7289
900
850
800
750
700
650
600
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 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

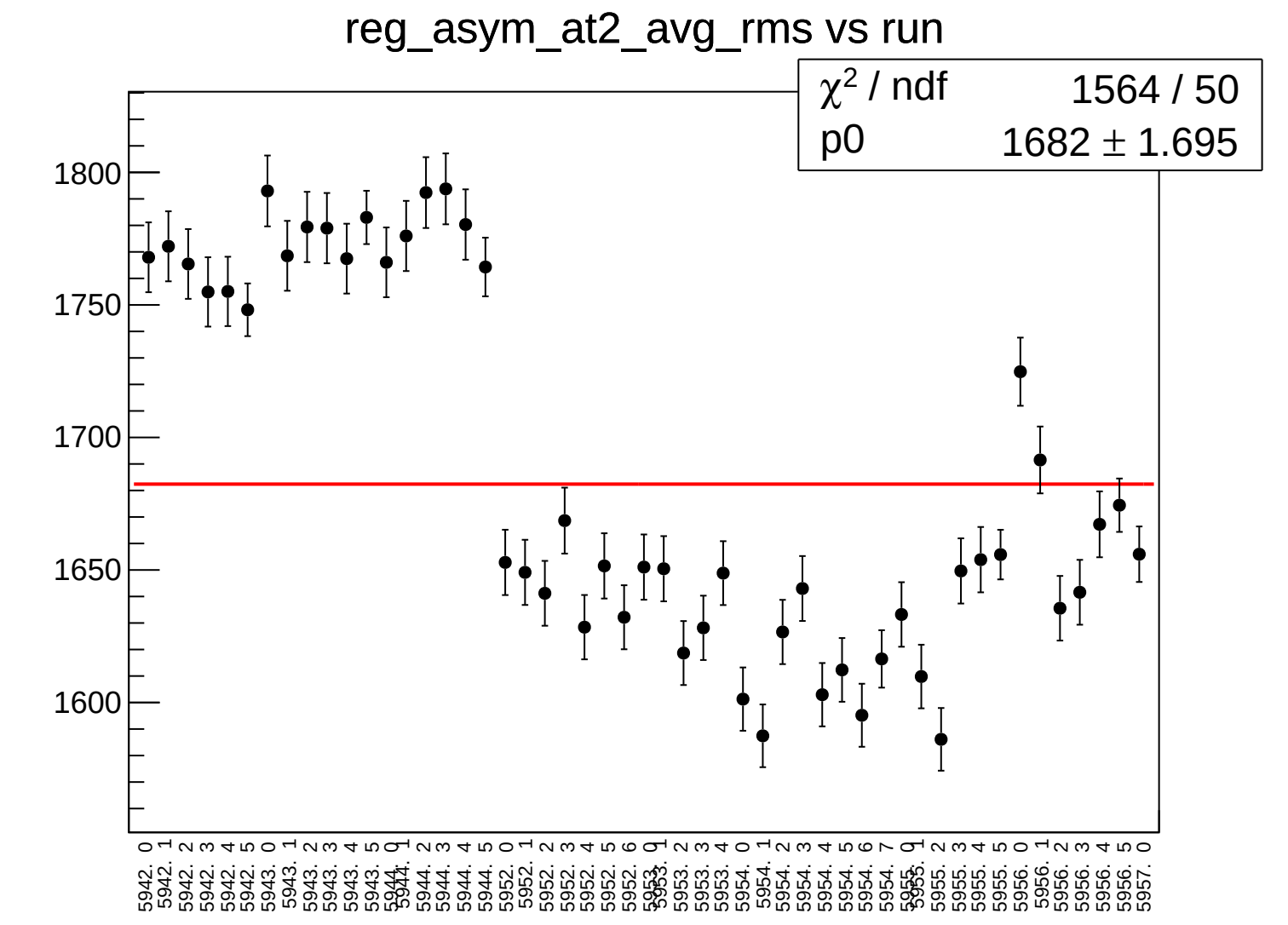

asym_at1_dd_mean vs run
χ² / ndf 56.89 / 50
p0 −3009 ± 2853
pull
Entries 51
Mean −2.79
Std Dev 50.64

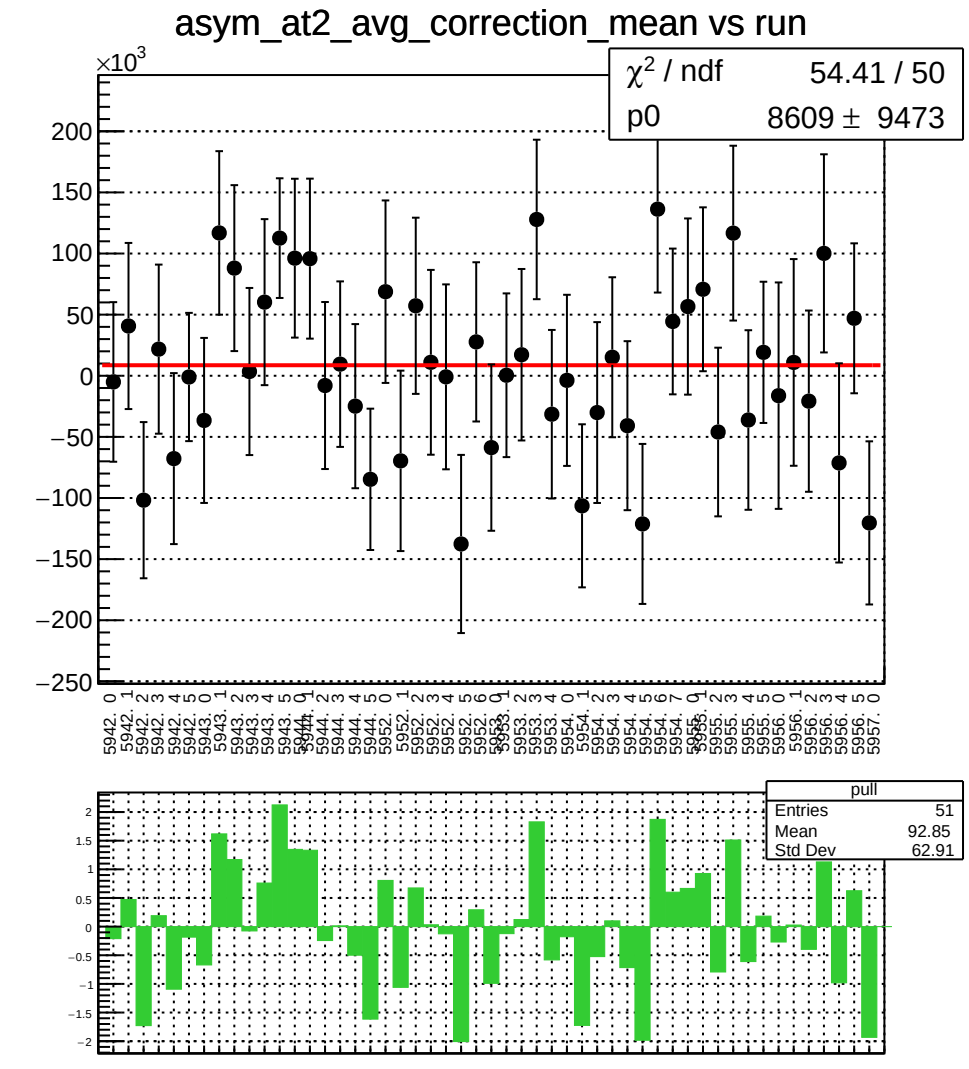

pull1D
Entries 51
Mean −0.008091
Std Dev 1.056

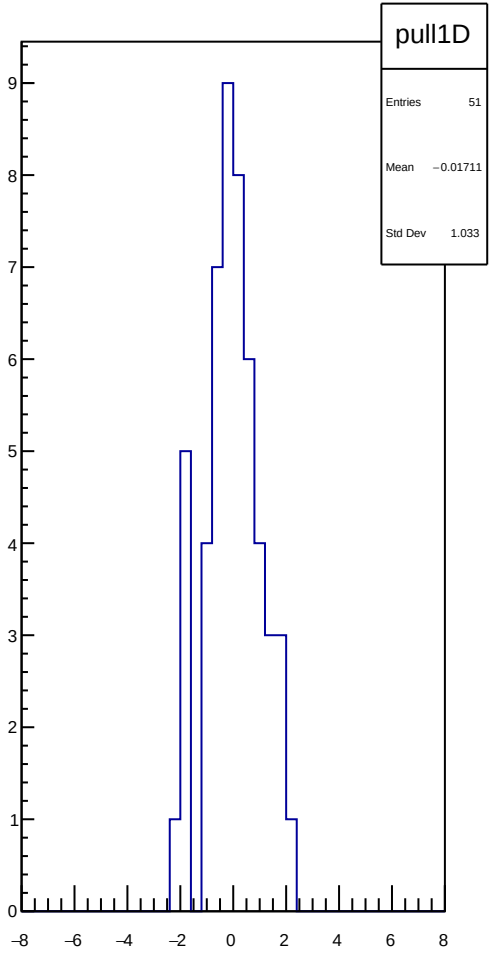

asym_at1_dd_rms vs run
χ² / ndf 1378 / 50
p0 2003 ± 2.017
2150
2100
2050
2000
1950
1900
1850
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
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

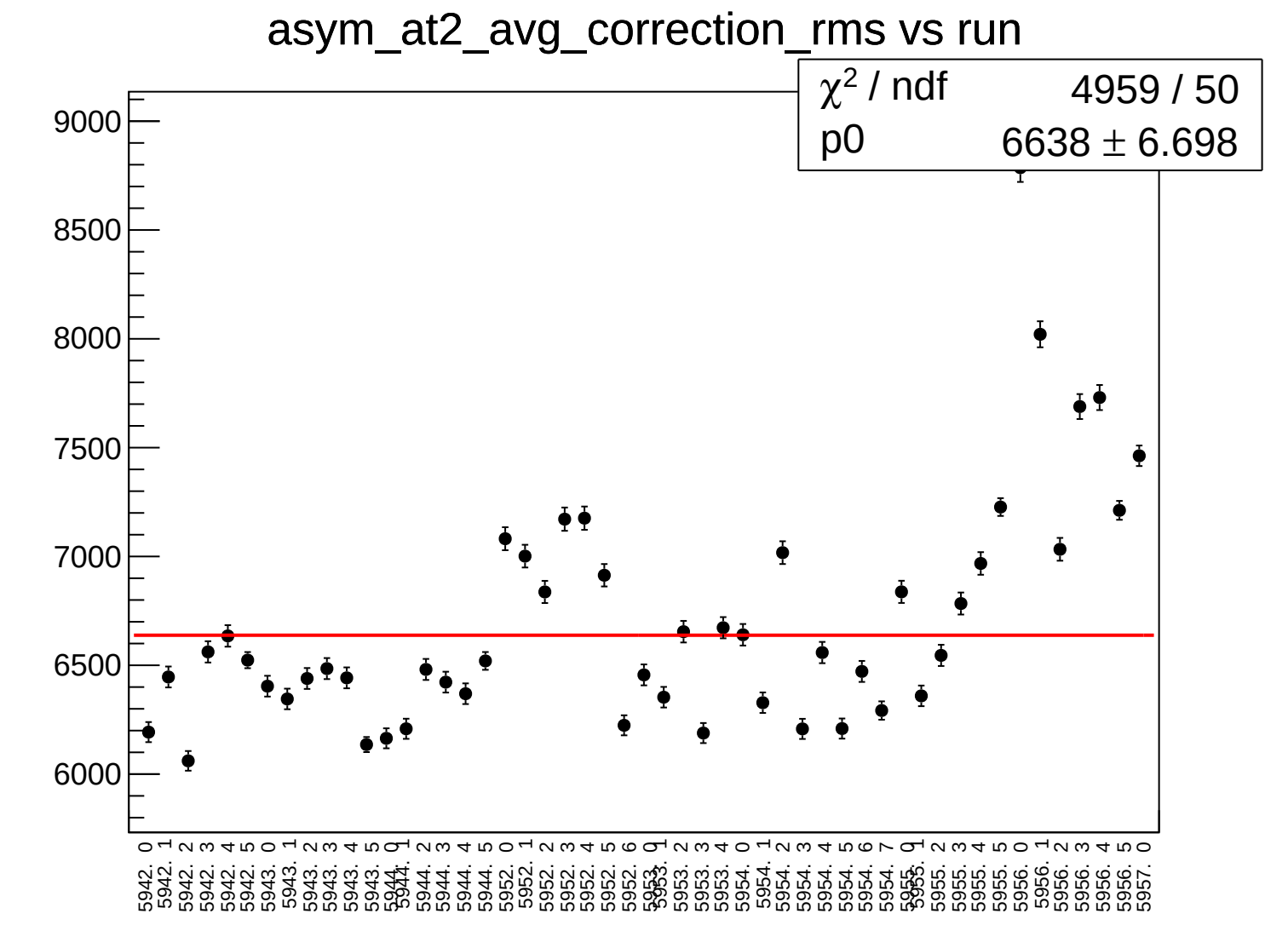

reg_asym_at2_avg_mean vs run
×10^3
χ^2 / ndf 65.15 / 50
p0 2092 ± 2397
pull
Entries 51
Mean −215.6
Std Dev 239.6

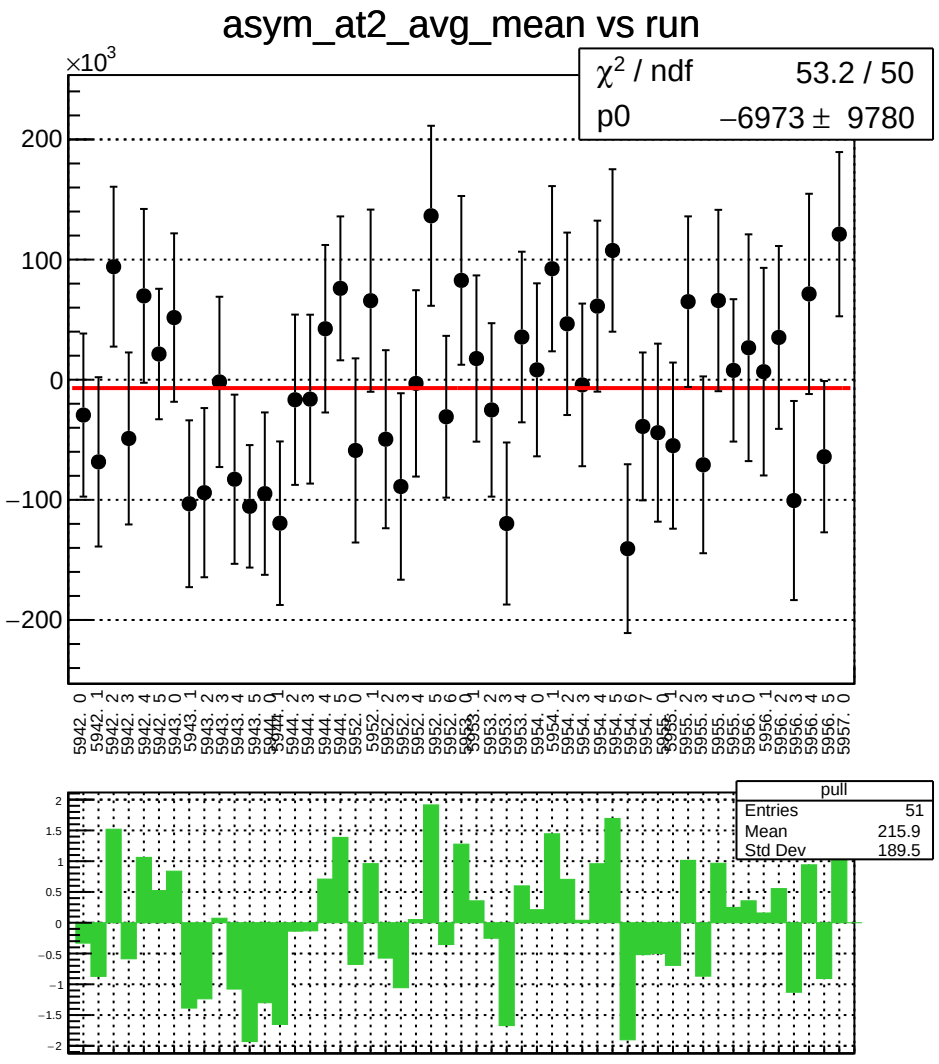

pull1D
Entries 51
Mean −0.02441
Std Dev 1.13

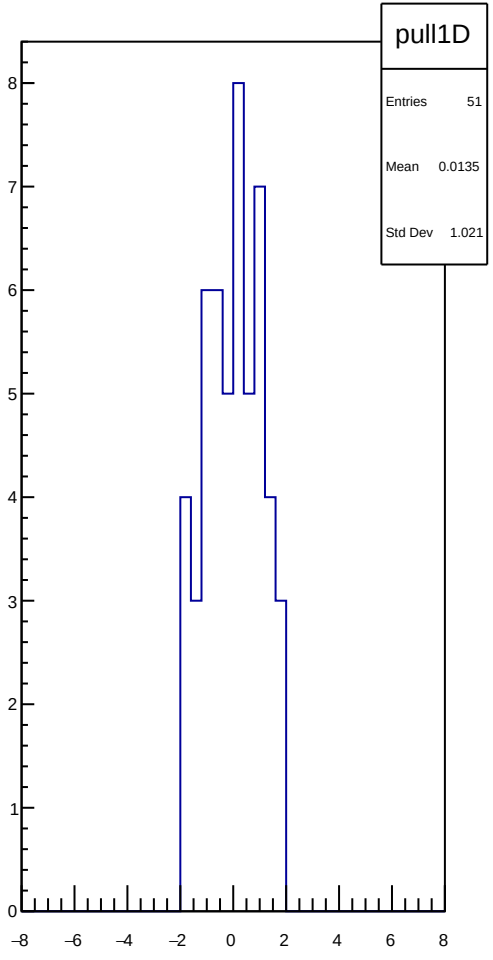

reg_asym_at2_avg_rms vs run
χ² / ndf 1564 / 50
p0 1682 ± 1.695
1800
1750
1700
1650
1600
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 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

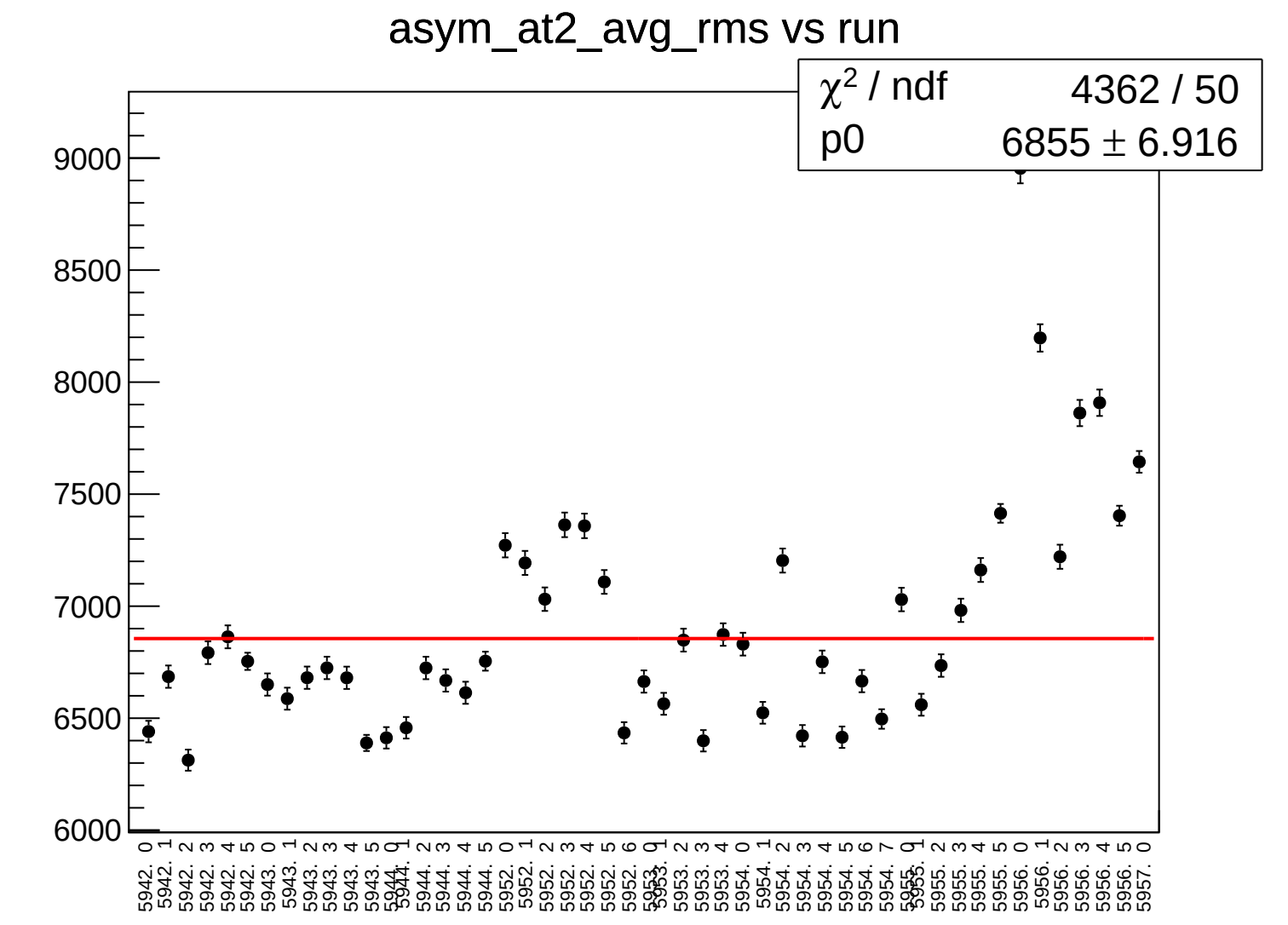

asym_at2_avg_correction_mean vs run
χ² / ndf 54.41 / 50
p0 8609 ± 9473
×10³
pull
Entries 51
Mean 92.85
Std Dev 62.91

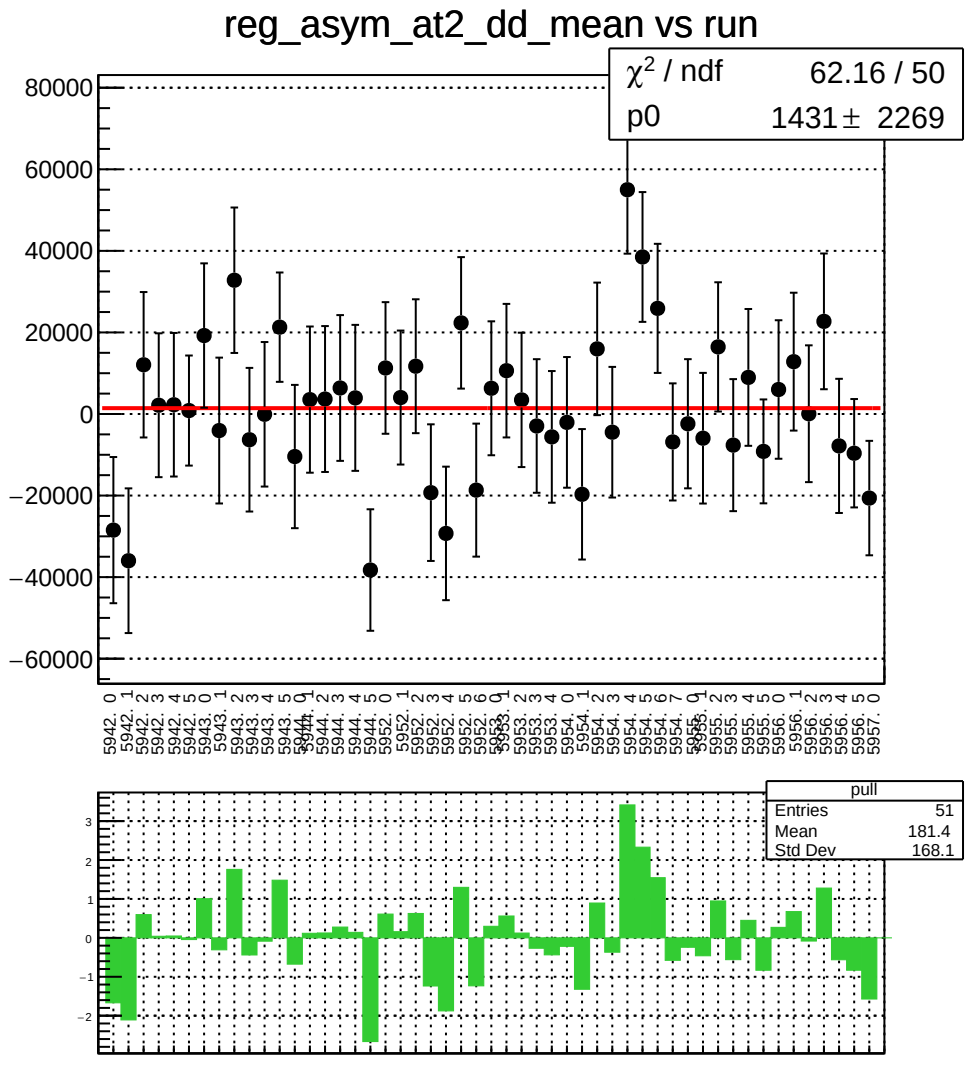

pull1D
Entries 51
Mean −0.01711
Std Dev 1.033

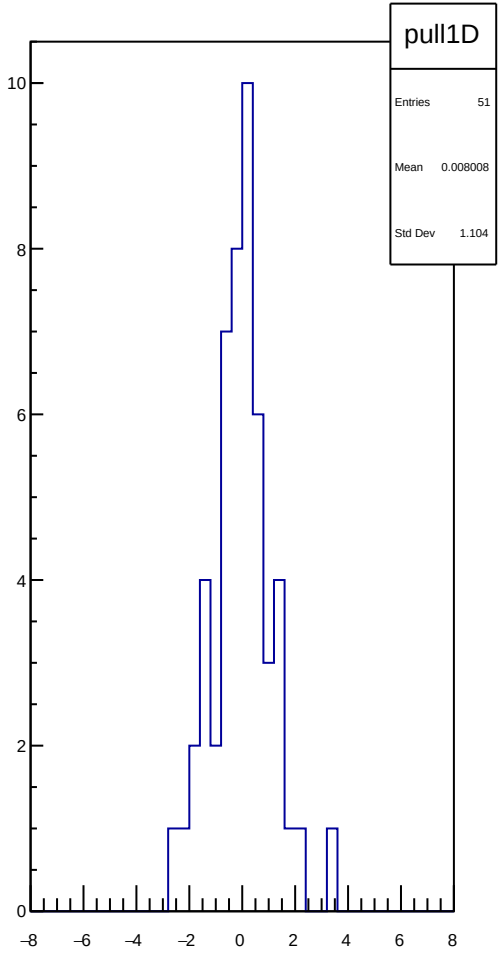

asym_at2_avg_correction_rms vs run
χ² / ndf 4959 / 50
p0 6638 ± 6.698
9000
8500
8000
7500
7000
6500
6000
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 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

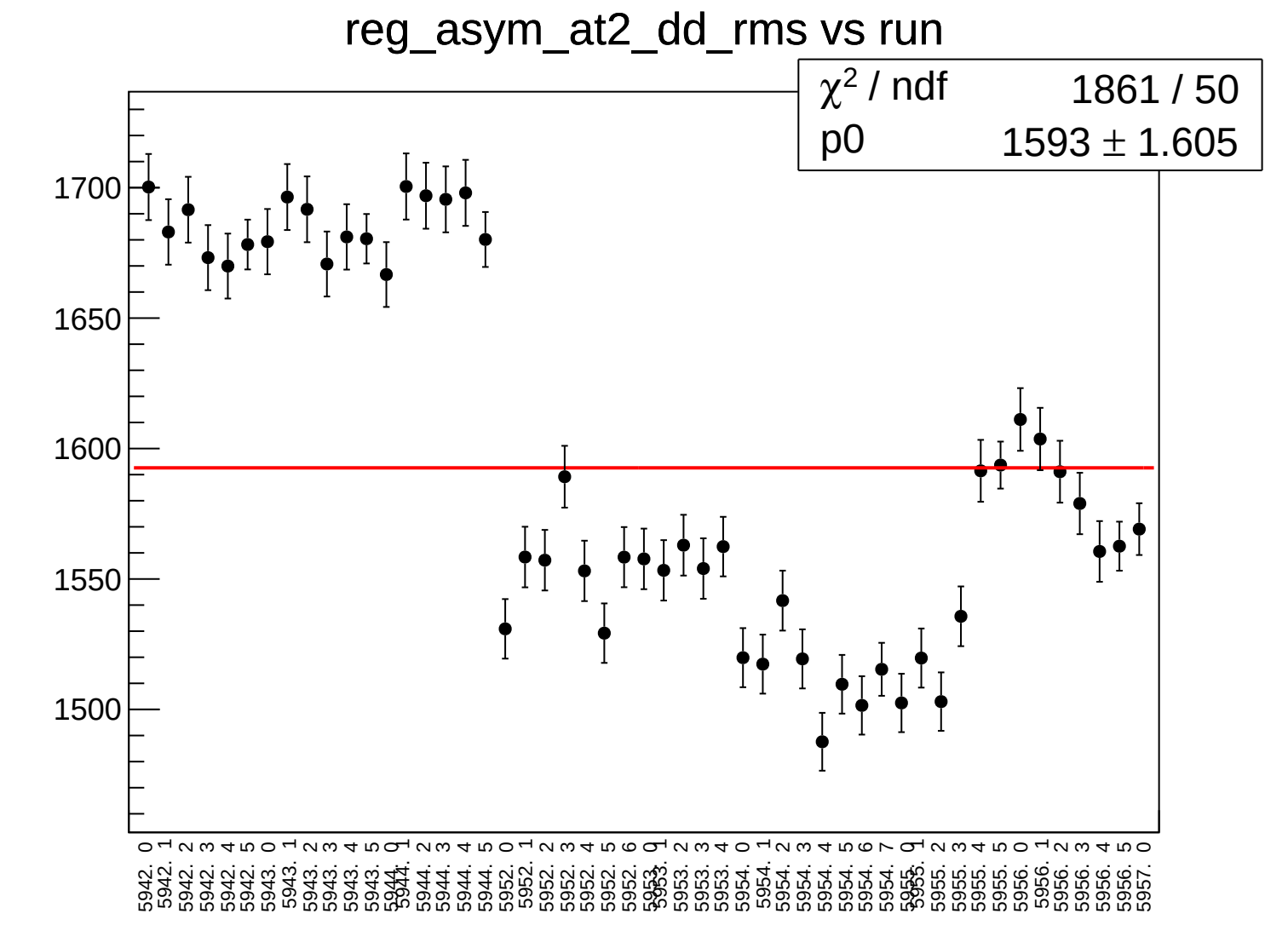

asym_at2_avg_mean vs run
×10^3
χ² / ndf 53.2 / 50
p0 −6973 ± 9780
200
100
0
−100
−200
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5952. 9
5953. 1
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
5956. 0
5957. 0
pull
Entries 51
Mean 215.9
Std Dev 189.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

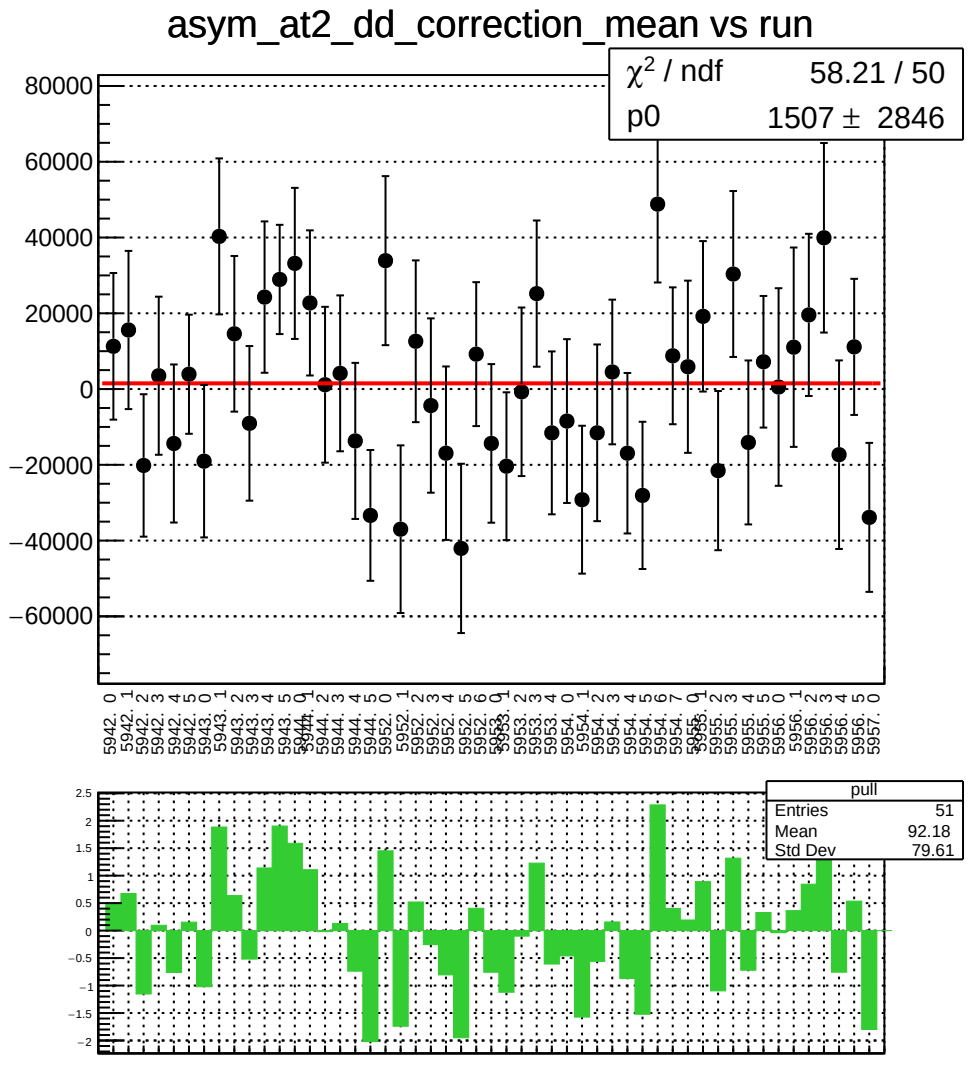

pull1D
Entries 51
Mean 0.0135
Std Dev 1.021
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

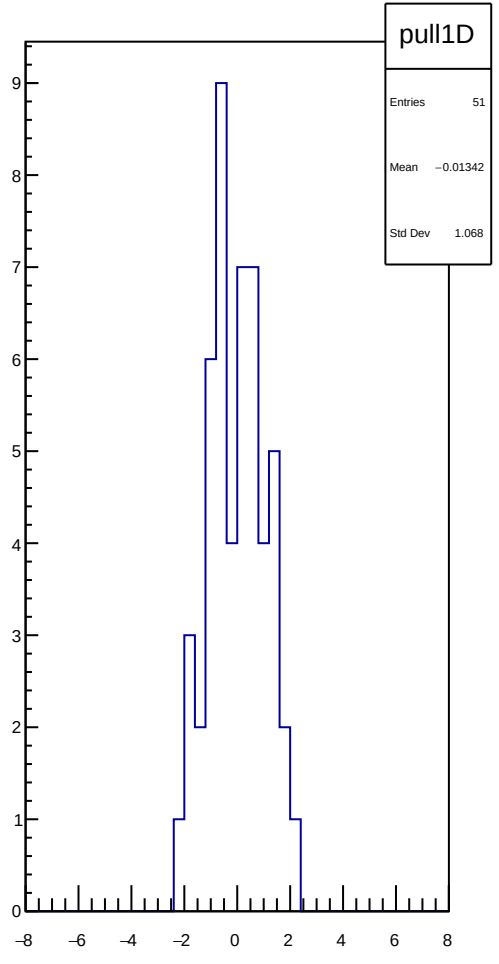

asym_at2_avg_rms vs run
χ² / ndf 4362 / 50
p0 6855 ± 6.916
9000
8500
8000
7500
7000
6500
6000
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
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

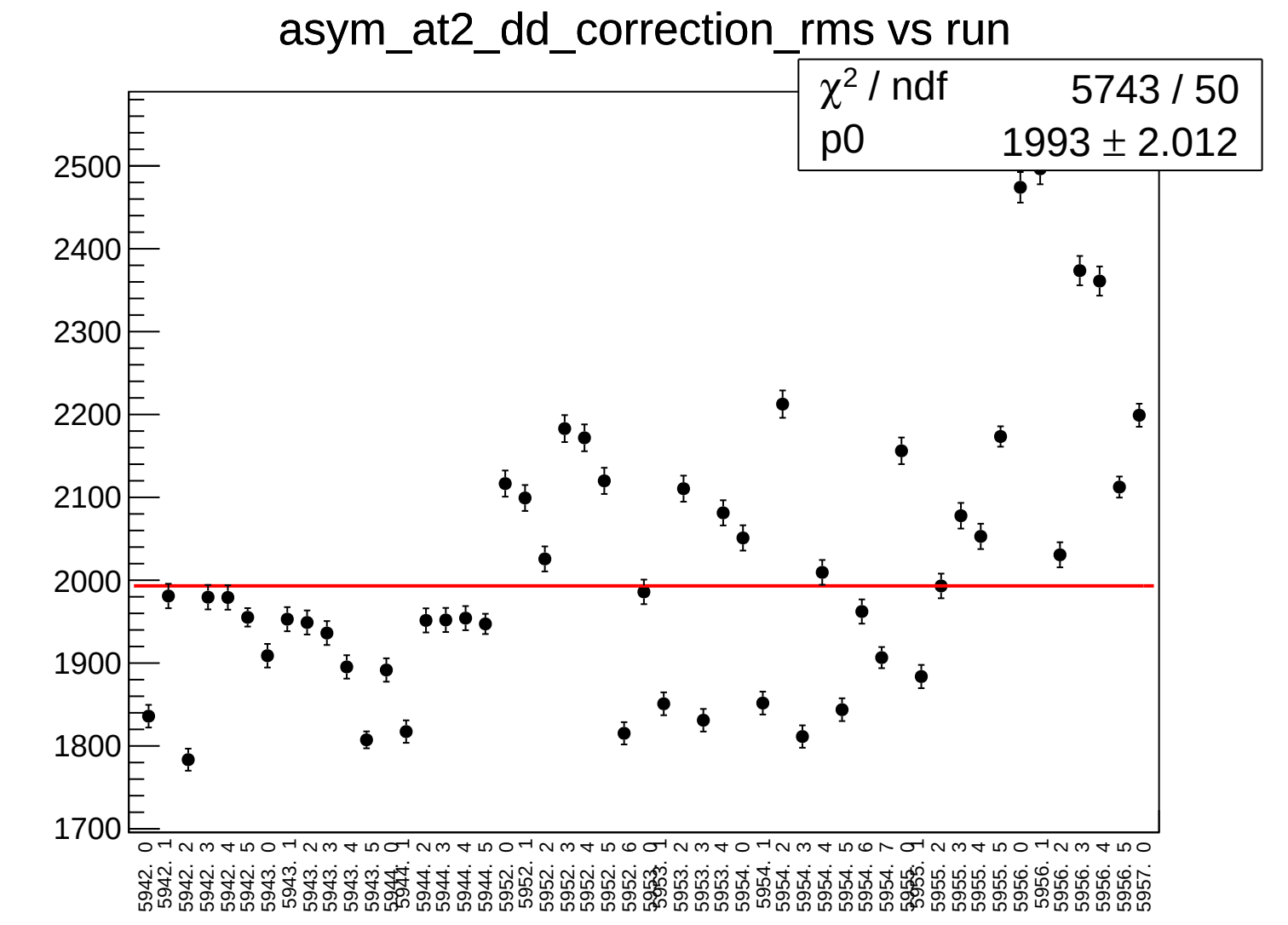

reg_asym_at2_dd_mean vs run
χ² / ndf 62.16 / 50
p0 1431 ± 2269
80000
60000
40000
20000
0
−20000
−40000
−60000
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5952. 9
5953. 1
5953. 2
5953. 3
5953. 4
5953. 5
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
5956. 6
5957. 0
pull
Entries 51
Mean 181.4
Std Dev 168.1
3
2
1
0
−1
−2

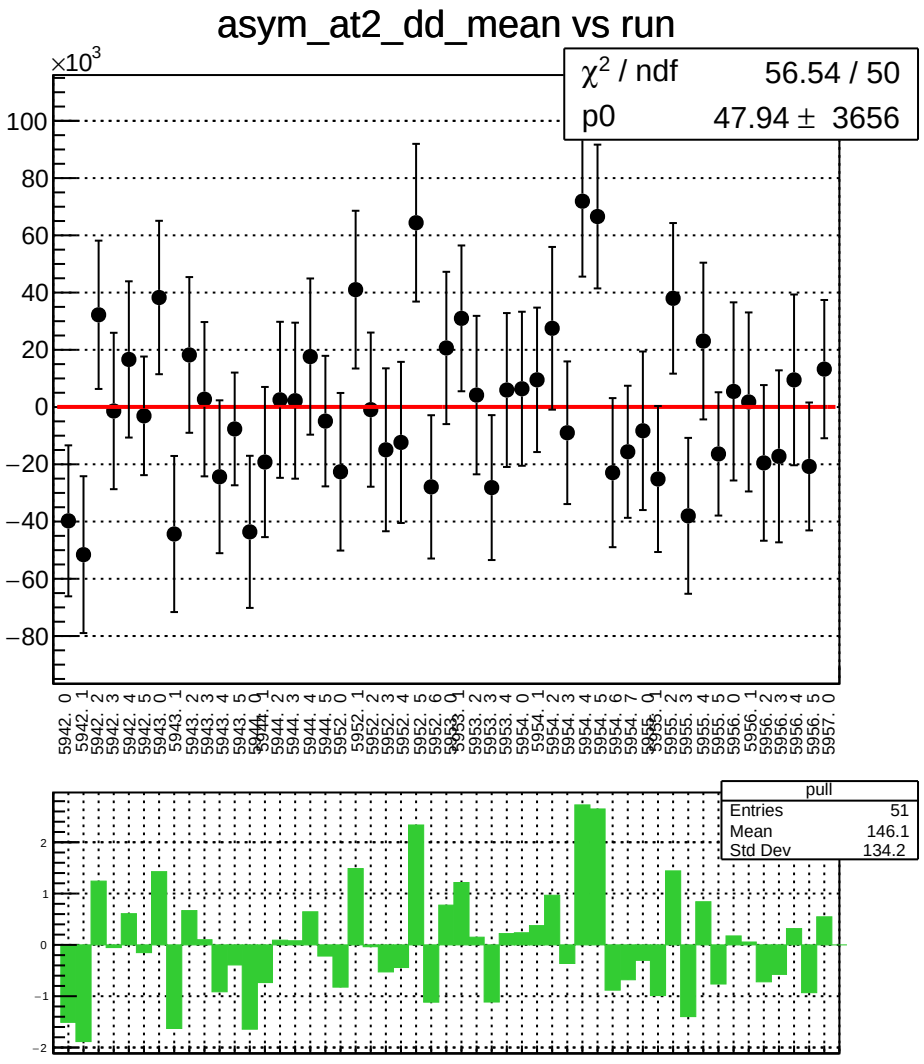

pull1D
Entries 51
Mean 0.008008
Std Dev 1.104
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

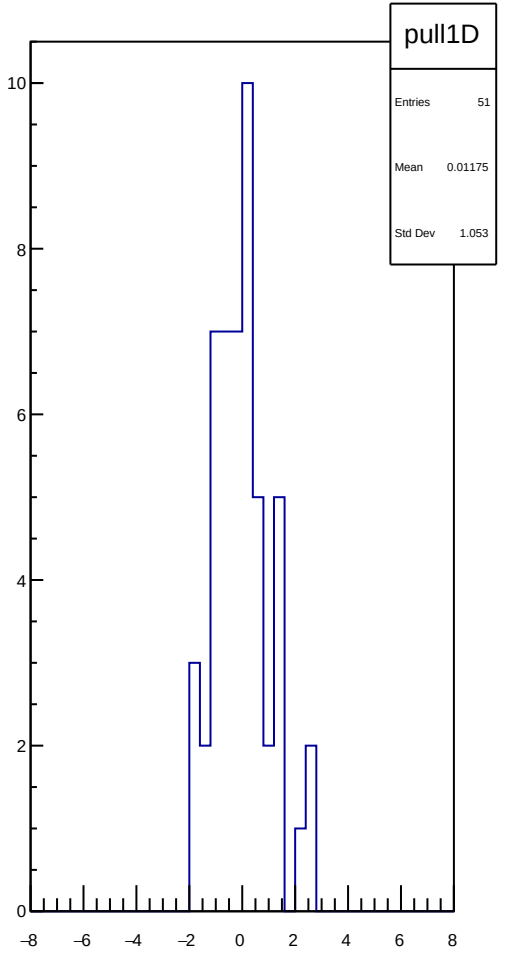

reg_asym_at2_dd_rms vs run
χ² / ndf 1861 / 50
p0 1593 ± 1.605
1700
1650
1600
1550
1500
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 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

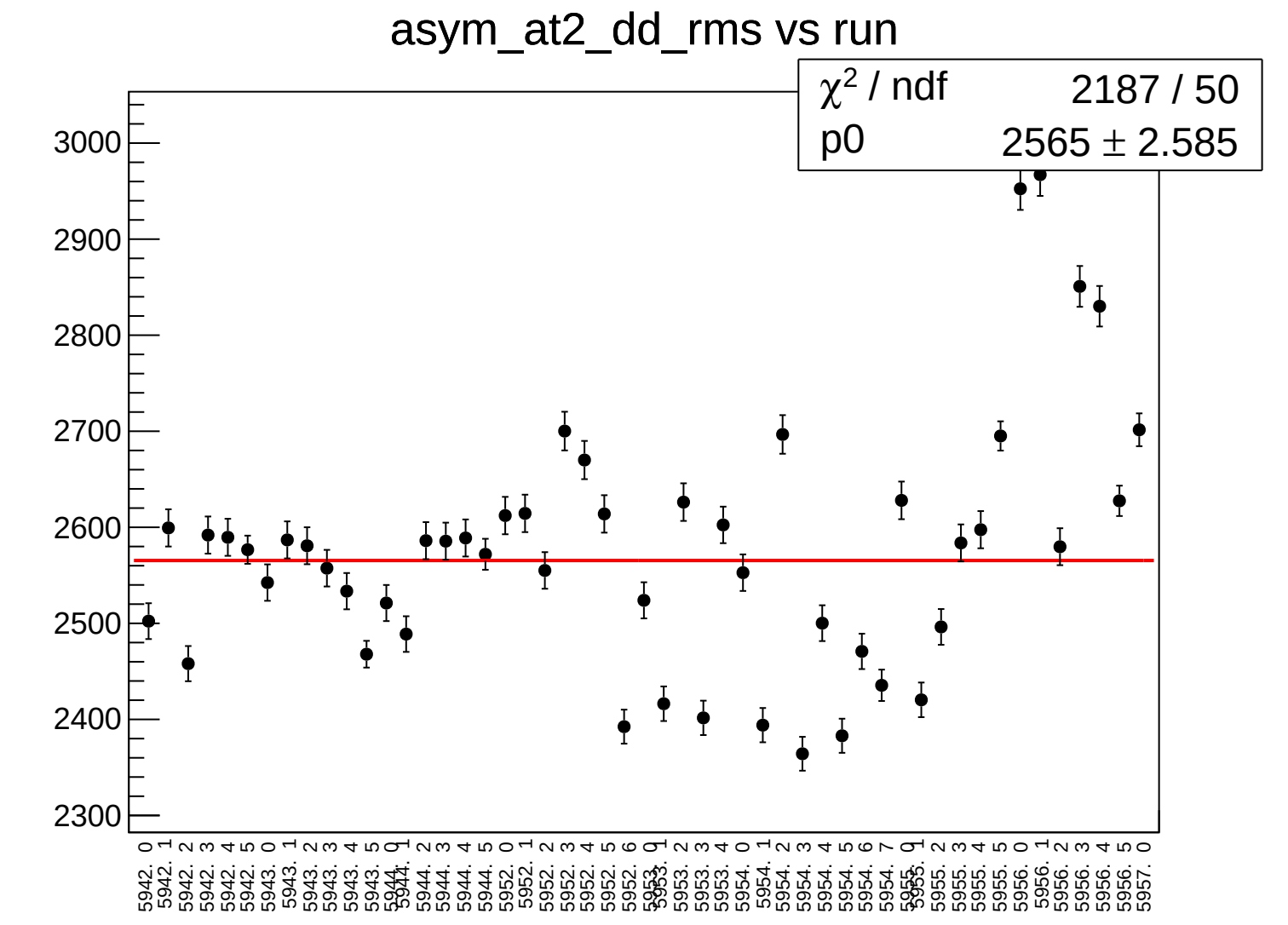

asym_at2_dd_correction_mean vs run
χ² / ndf 58.21 / 50
p0 1507 ± 2846
pull
Entries 51
Mean 92.18
Std Dev 79.61

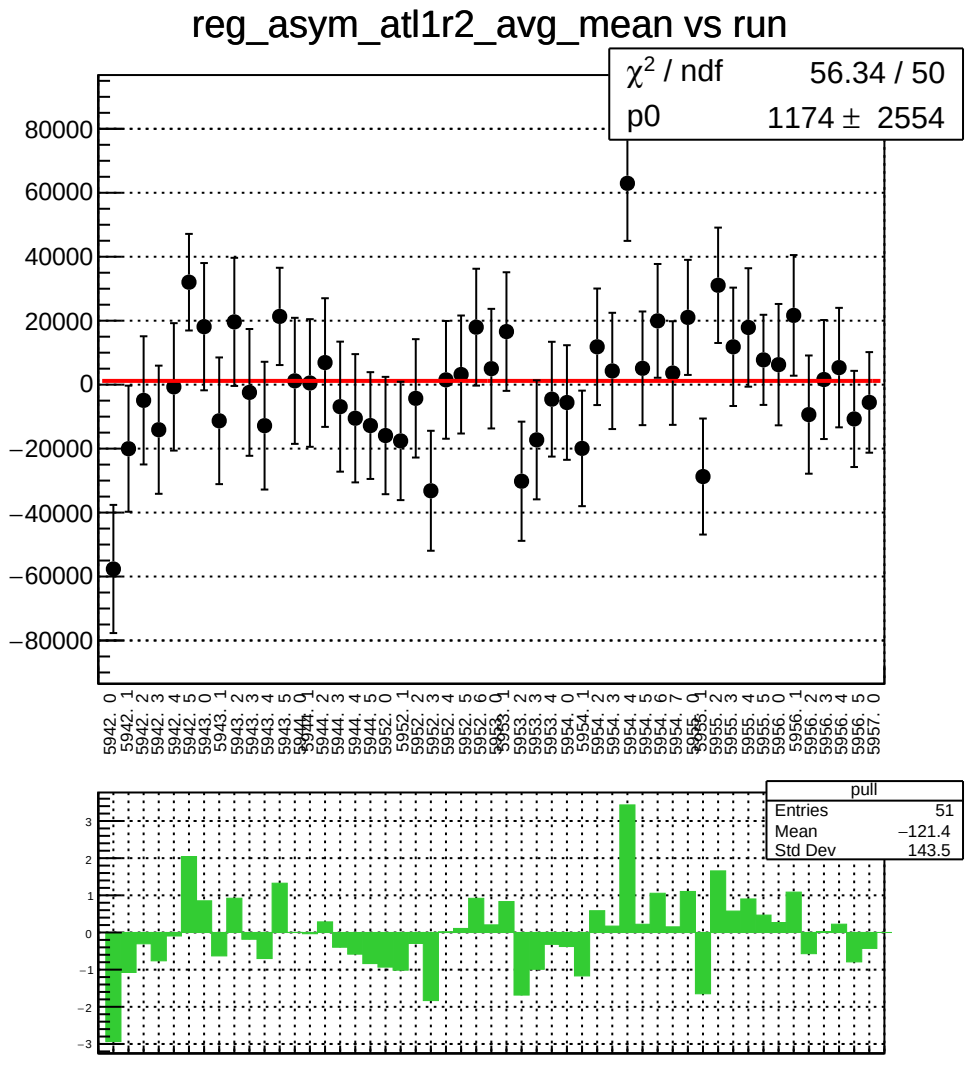

pull1D
Entries 51
Mean −0.01342
Std Dev 1.068

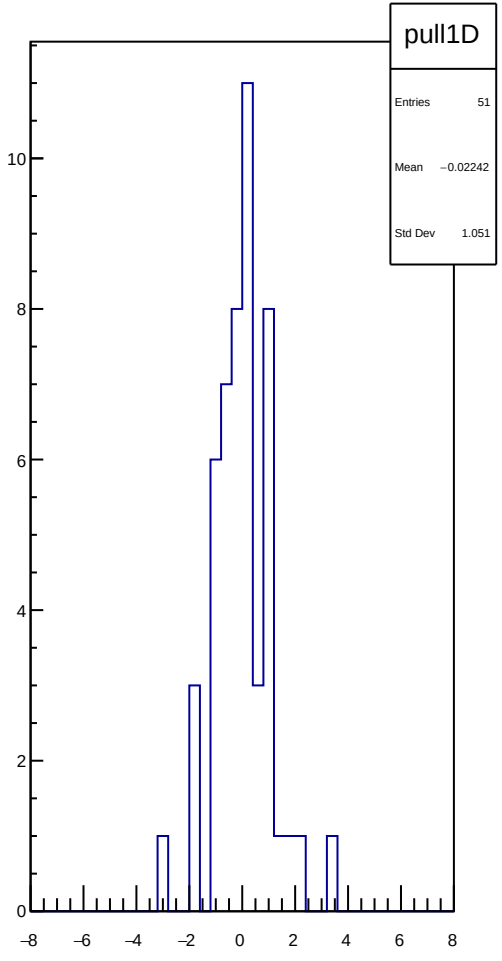

asym_at2_dd_correction_rms vs run
χ² / ndf 5743 / 50
p0 1993 ± 2.012
2500
2400
2300
2200
2100
2000
1900
1800
1700
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 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

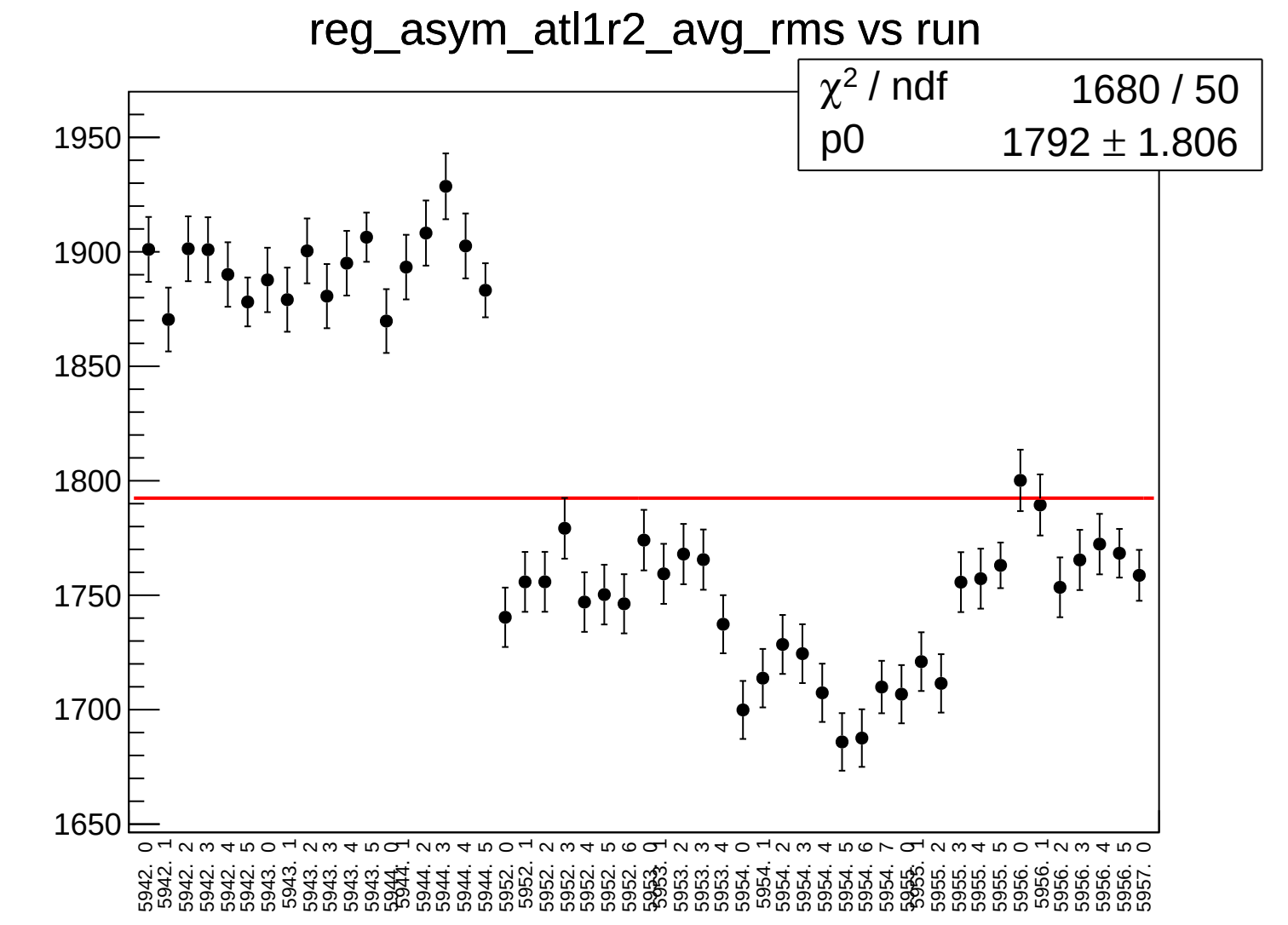

asym_at2_dd_mean vs run
×10^3
χ² / ndf 56.54 / 50
p0 47.94 ± 3656
pull
Entries 51
Mean 146.1
Std Dev 134.2

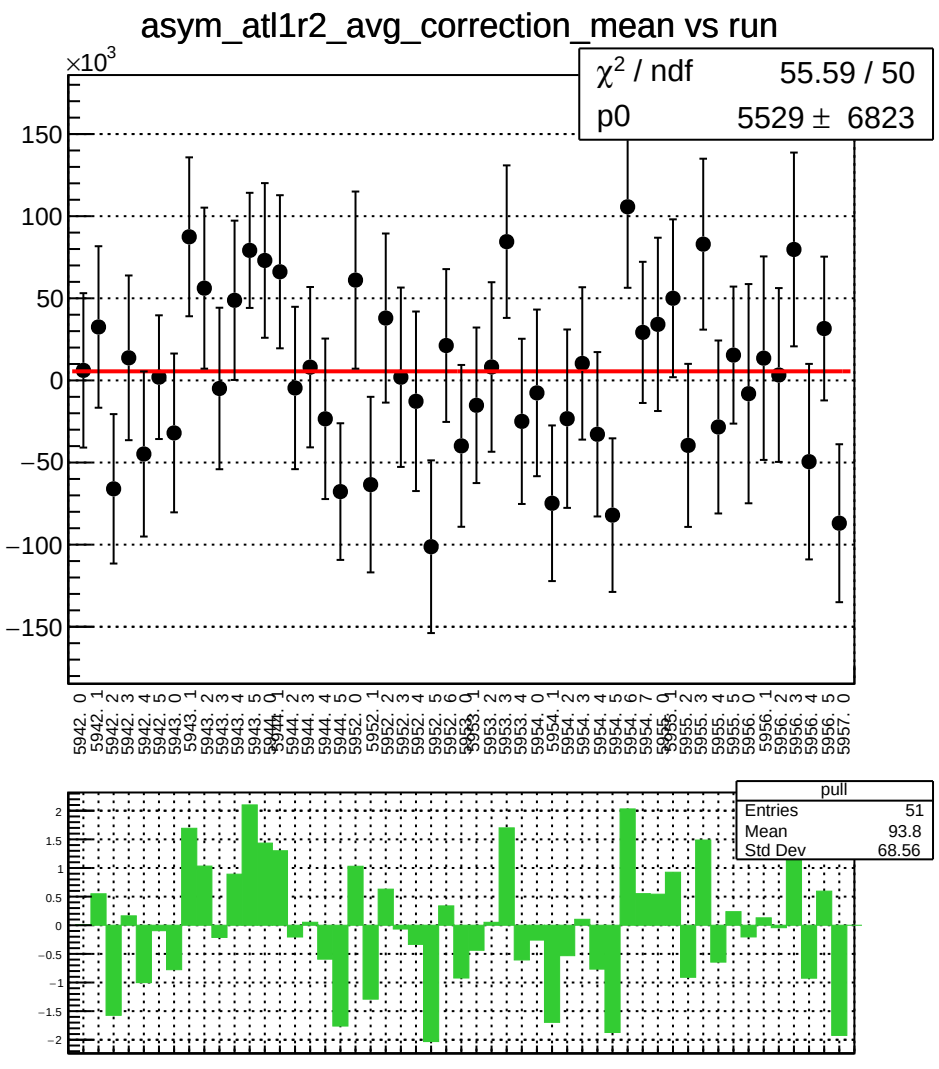

pull1D
Entries 51
Mean 0.01175
Std Dev 1.053

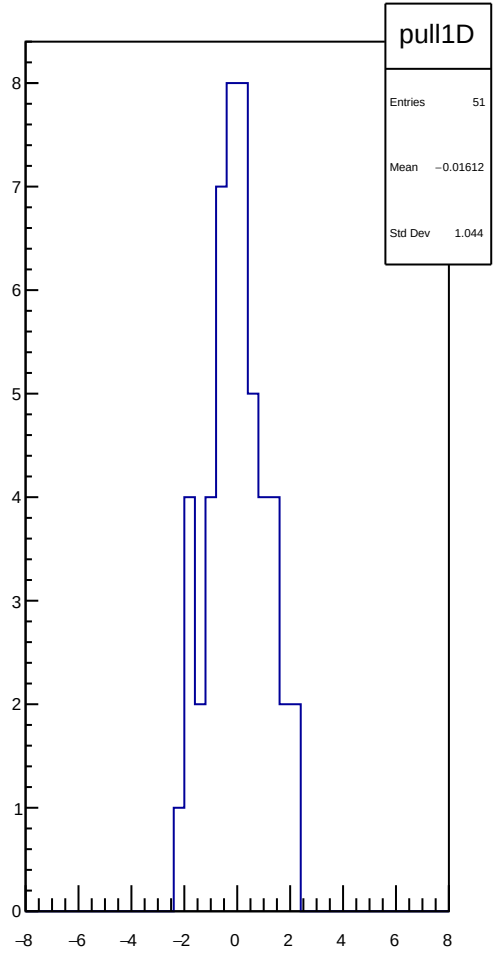

asym_at2_dd_rms vs run
χ² / ndf 2187 / 50
p0 2565 ± 2.585
3000
2900
2800
2700
2600
2500
2400
2300
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 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

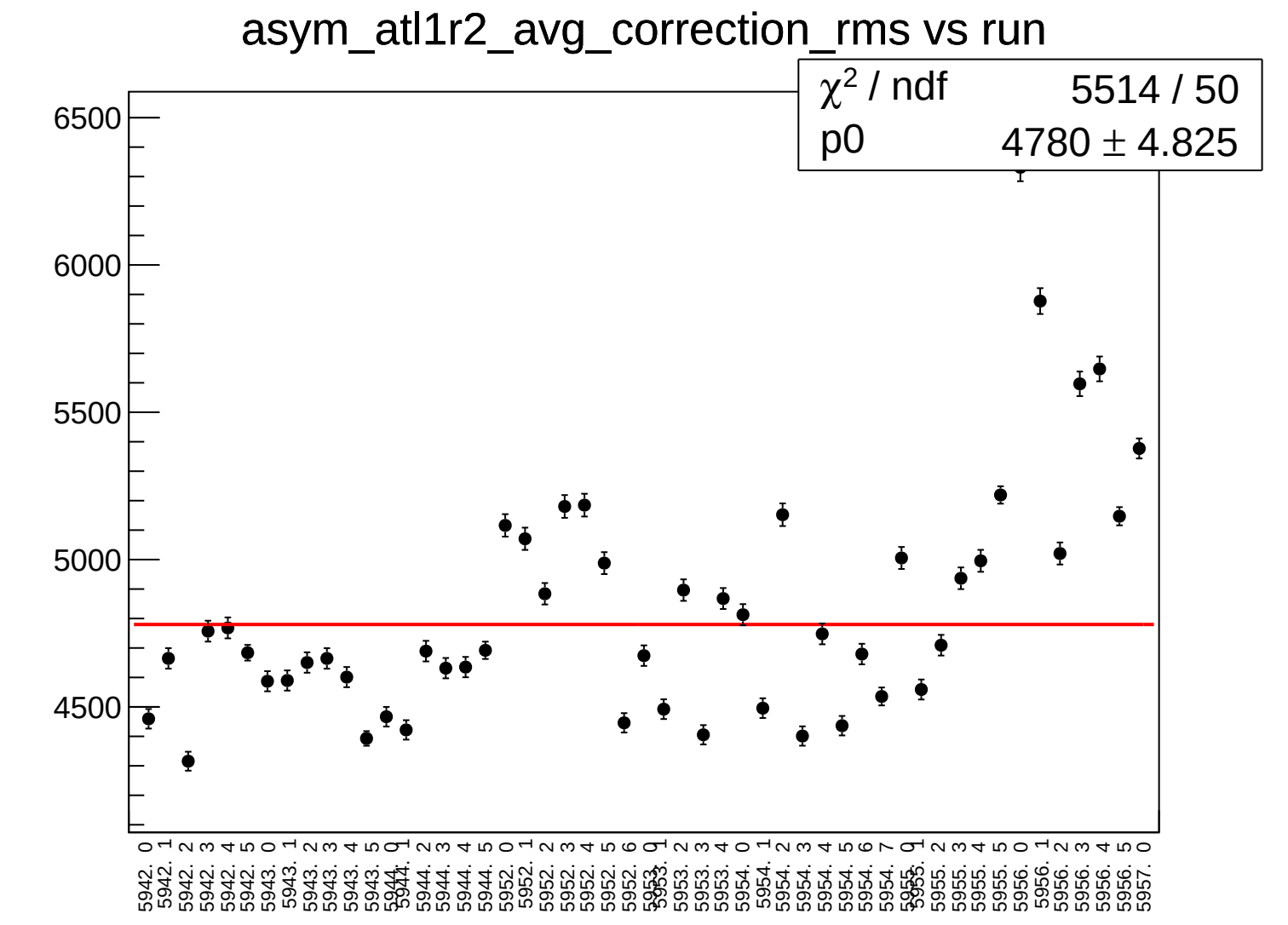

reg_asym_atl1r2_avg_mean vs run
χ² / ndf 56.34 / 50
p0 1174 ± 2554
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 51
Mean −121.4
Std Dev 143.5
3
2
1
0
−1
−2
−3

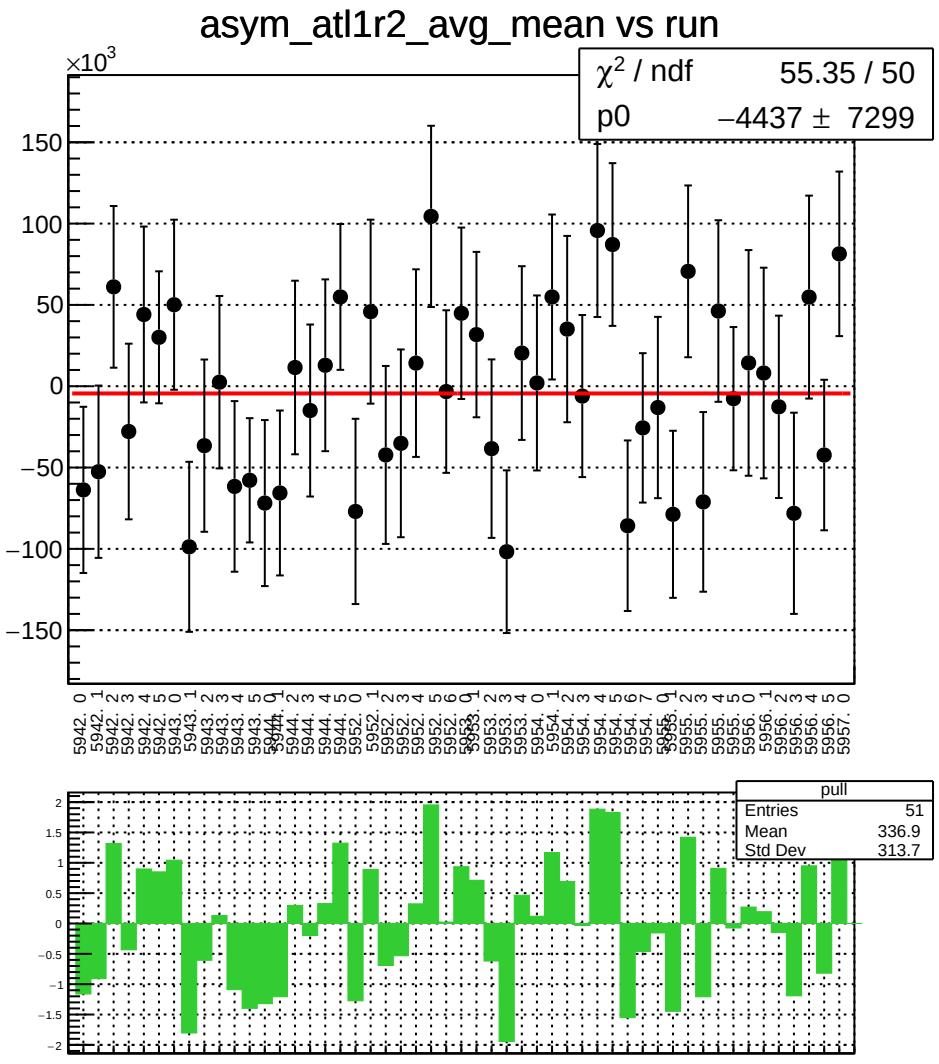

pull1D
Entries 51
Mean −0.02242
Std Dev 1.051
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

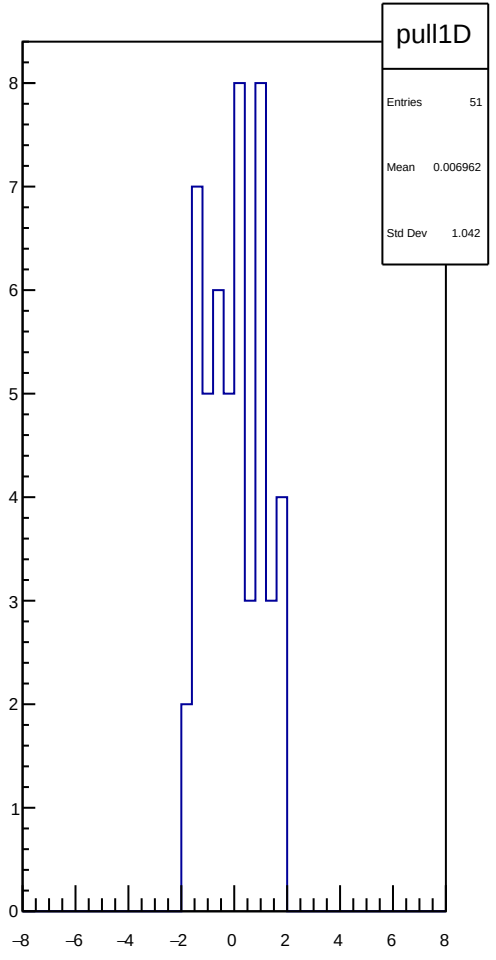

reg_asym_atl1r2_avg_rms vs run
χ² / ndf 1680 / 50
p0 1792 ± 1.806
1950
1900
1850
1800
1750
1700
1650
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
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

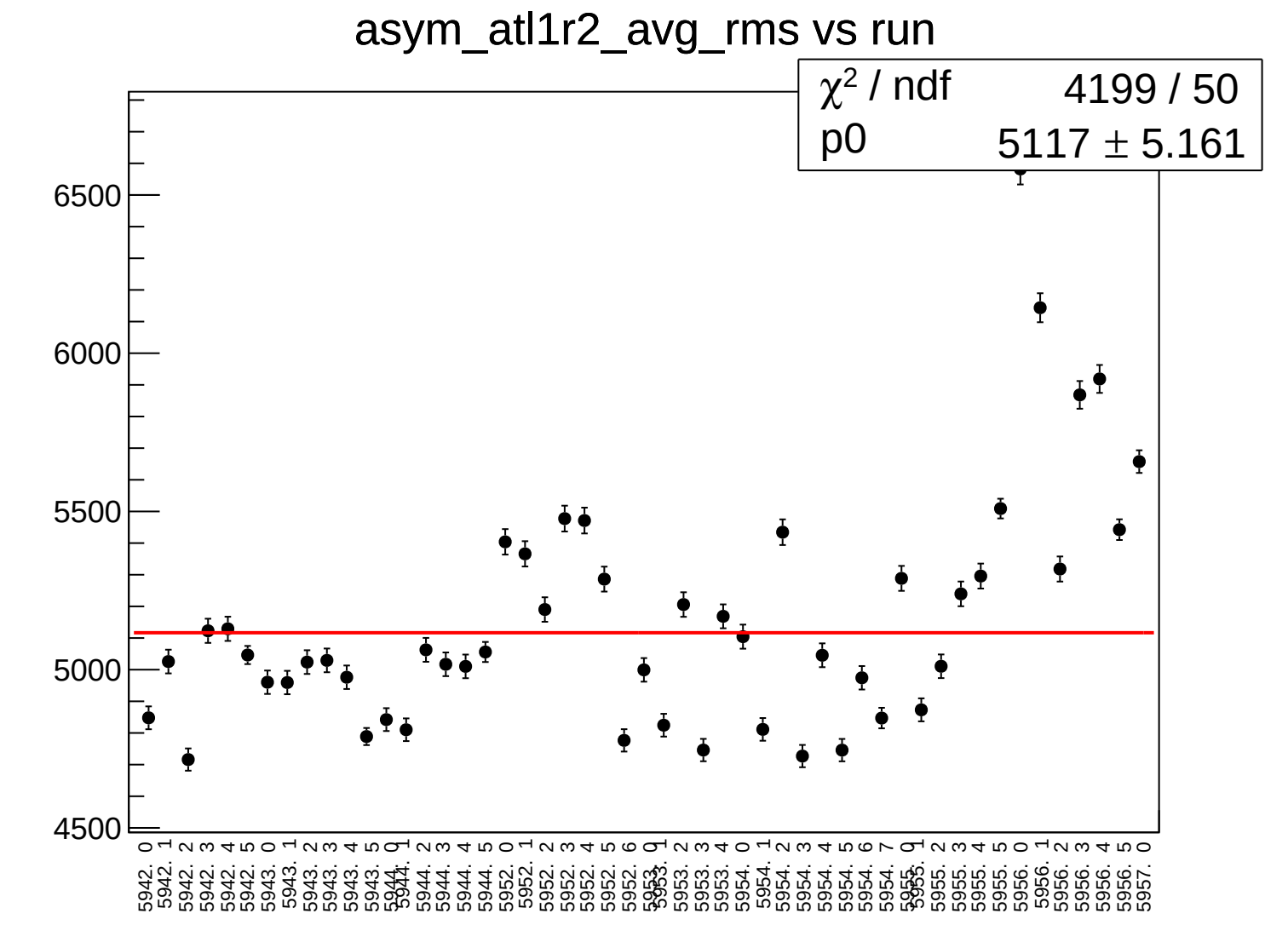

asym_atl1r2_avg_correction_mean vs run
×10^3
χ^2 / ndf 55.59 / 50
p0 5529 ± 6823
150
100
50
0
−50
−100
−150
pull
Entries 51
Mean 93.8
Std Dev 68.56
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

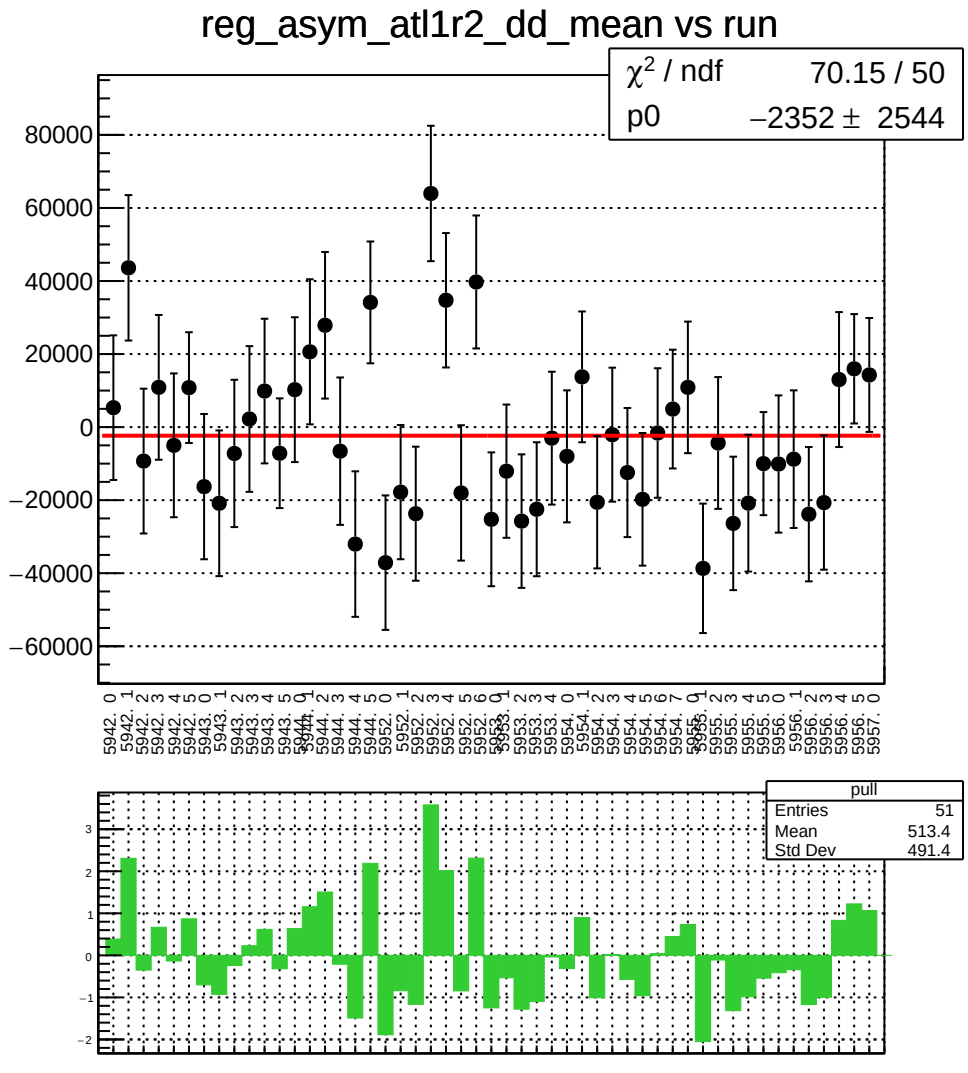

pull1D
Entries 51
Mean −0.01612
Std Dev 1.044
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

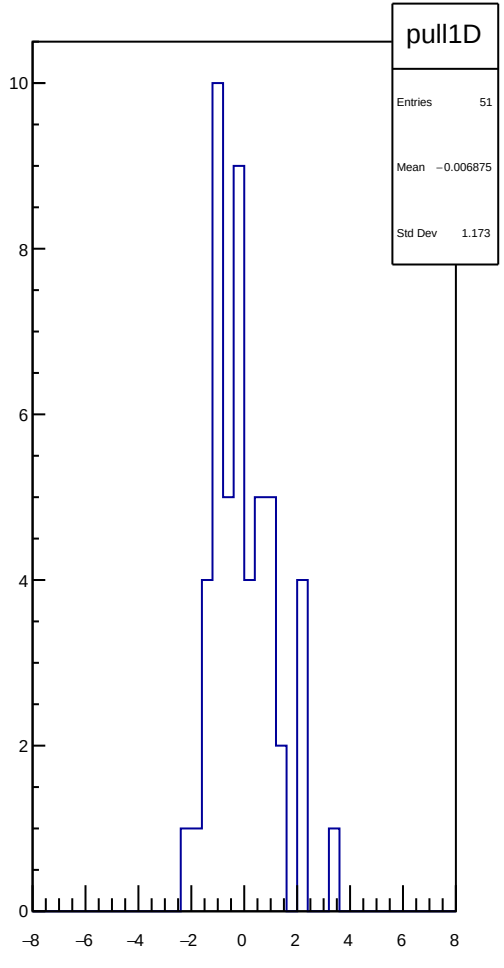

asym_atl1r2_avg_correction_rms vs run
χ² / ndf 5514 / 50
p0 4780 ± 4.825
6500
6000
5500
5000
4500
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 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

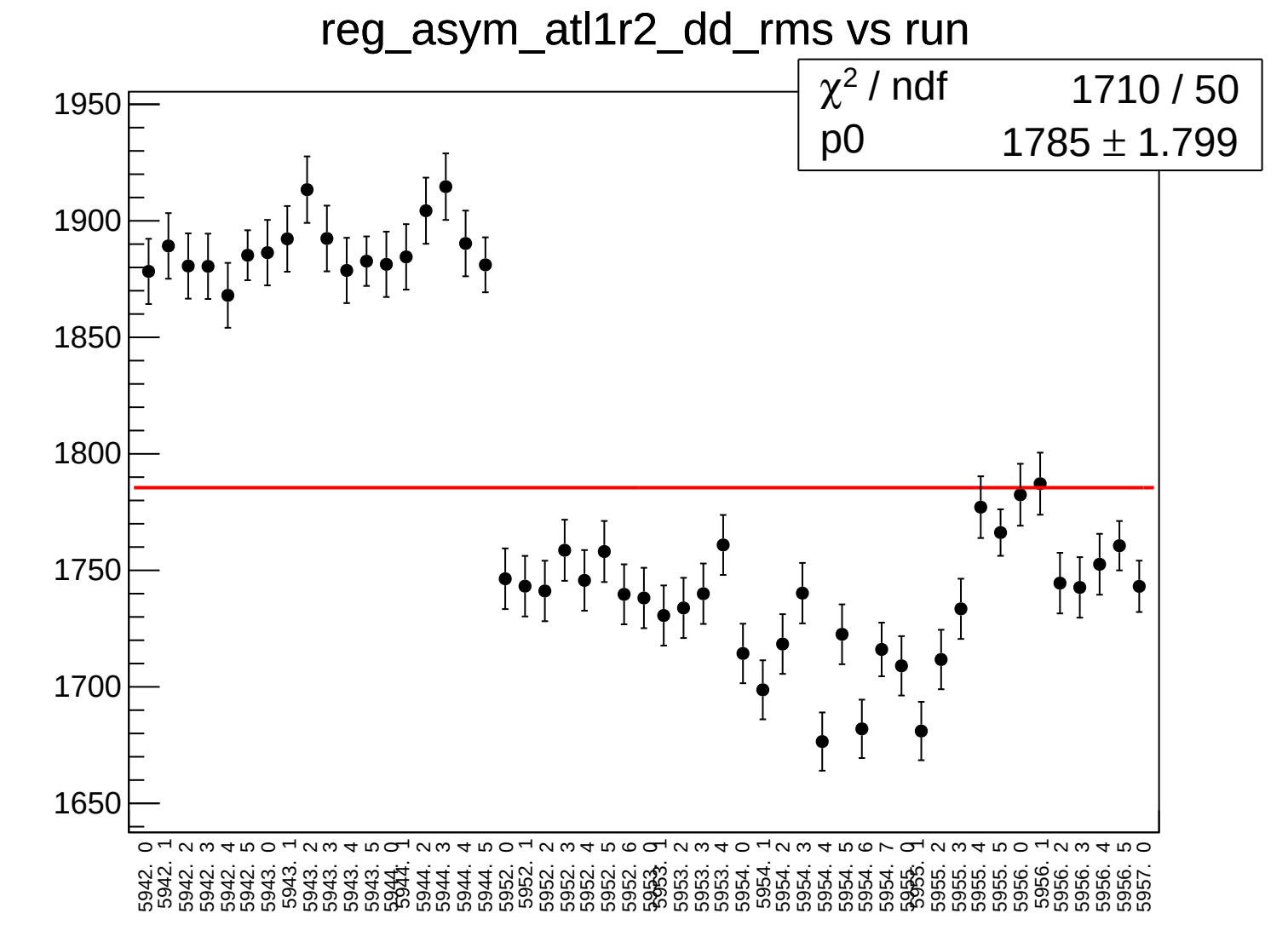

asym_atl1r2_avg_mean vs run
×10^3
χ² / ndf 55.35 / 50
p0 −4437 ± 7299
150
100
50
0
−50
−100
−150
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5952. 9
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
5956. 0
5957. 0
pull
Entries 51
Mean 336.9
Std Dev 313.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

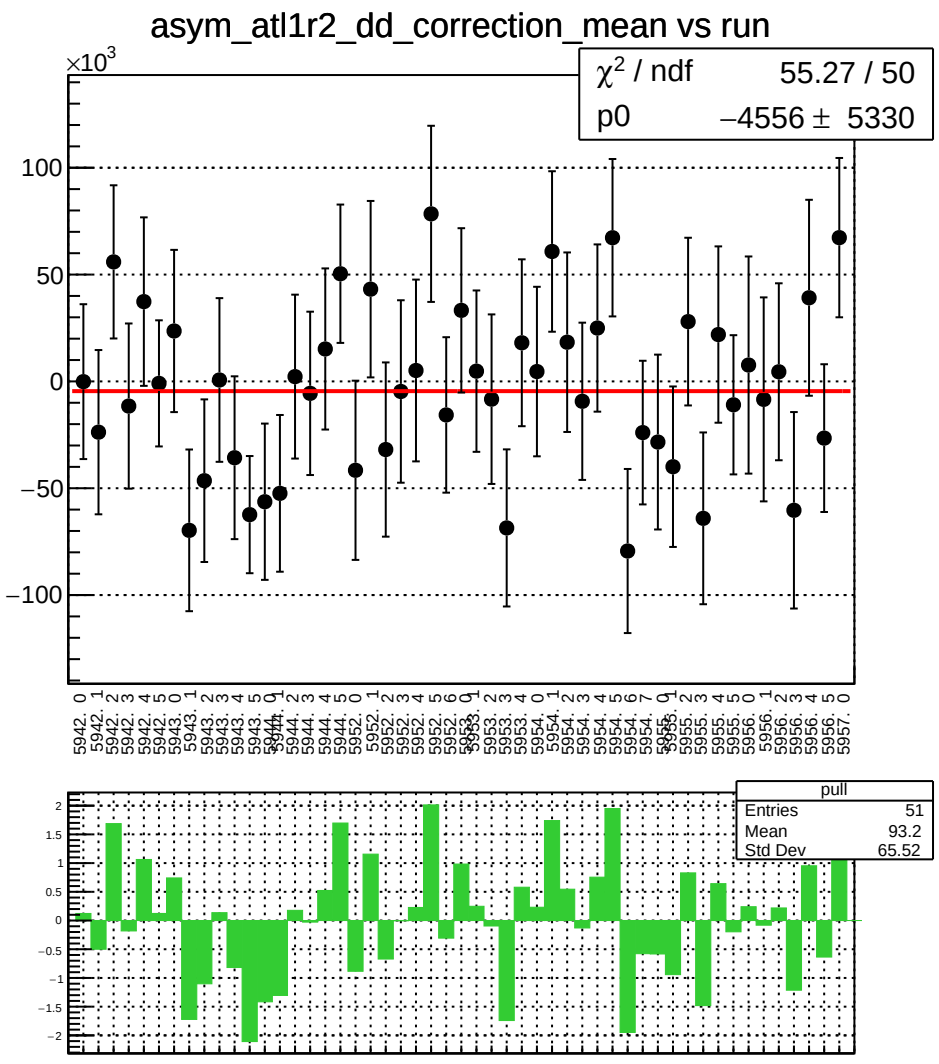

pull1D
Entries 51
Mean 0.006962
Std Dev 1.042
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

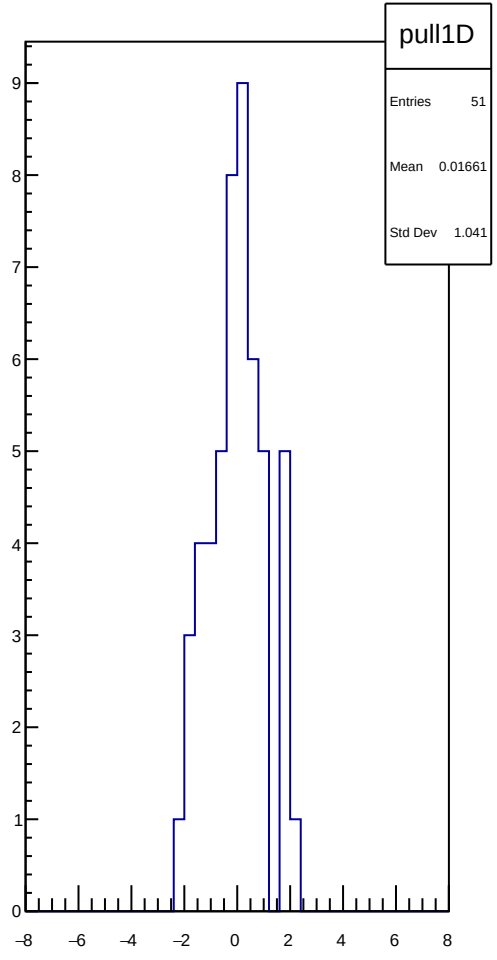

asym_atl1r2_avg_rms vs run
χ² / ndf 4199 / 50
p0 5117 ± 5.161
6500
6000
5500
5000
4500
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 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

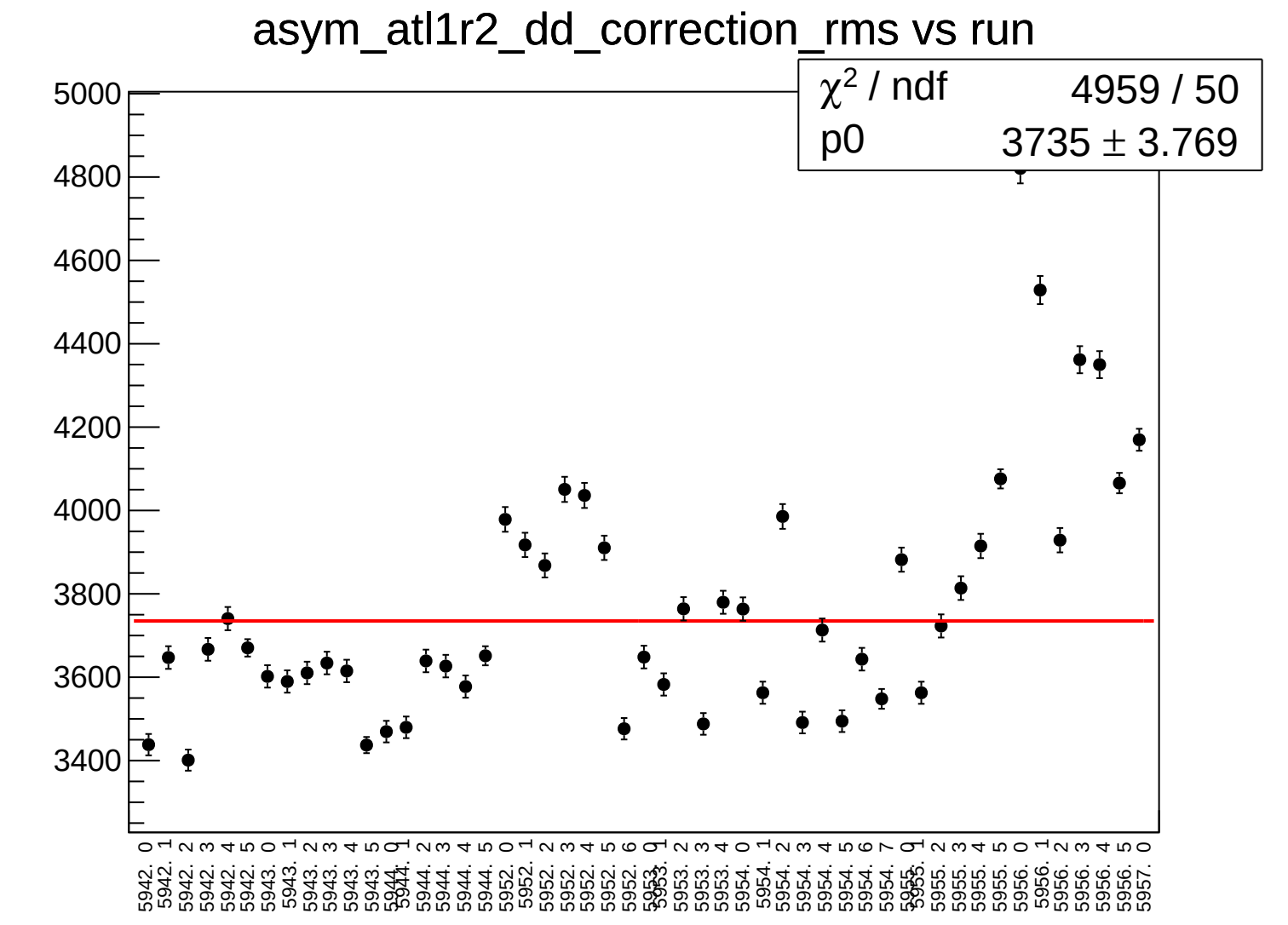

reg_asym_atl1r2_dd_mean vs run
χ² / ndf 70.15 / 50
p0 −2352 ± 2544
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 51
Mean 513.4
Std Dev 491.4
3
2
1
0
−1
−2

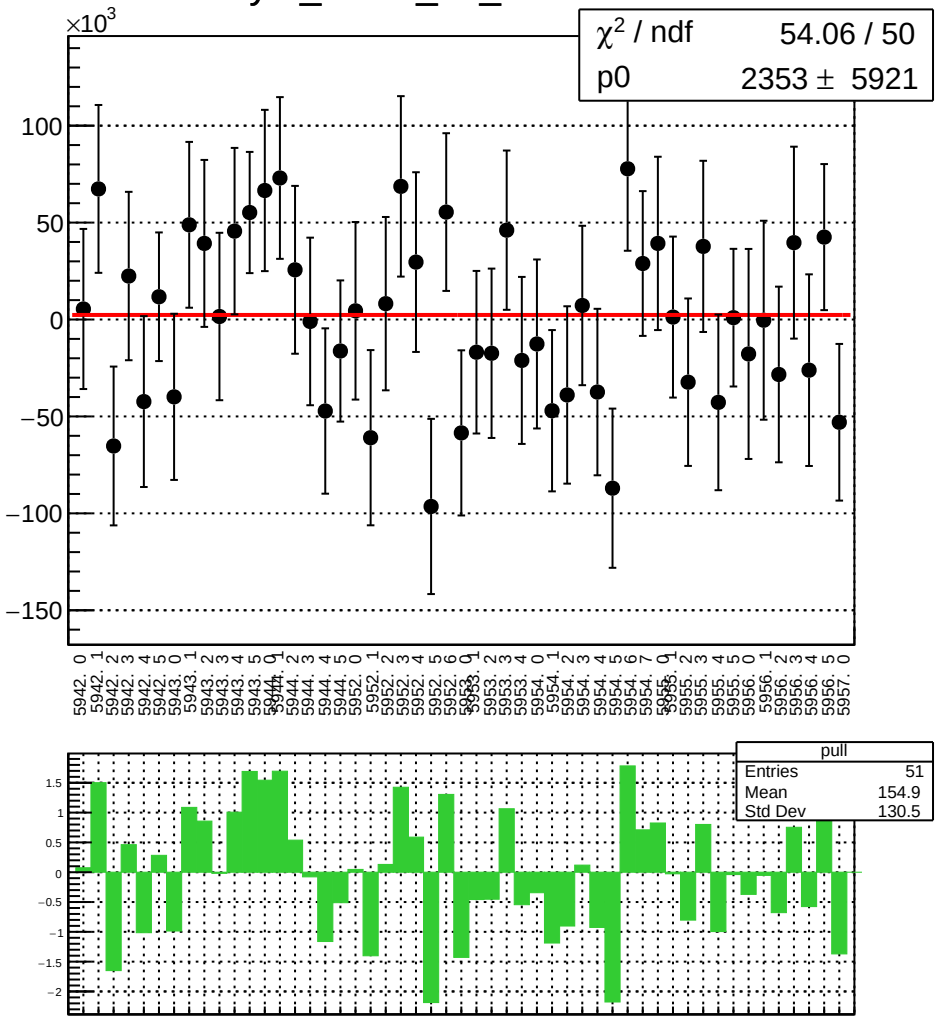

pull1D
Entries 51
Mean −0.006875
Std Dev 1.173
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

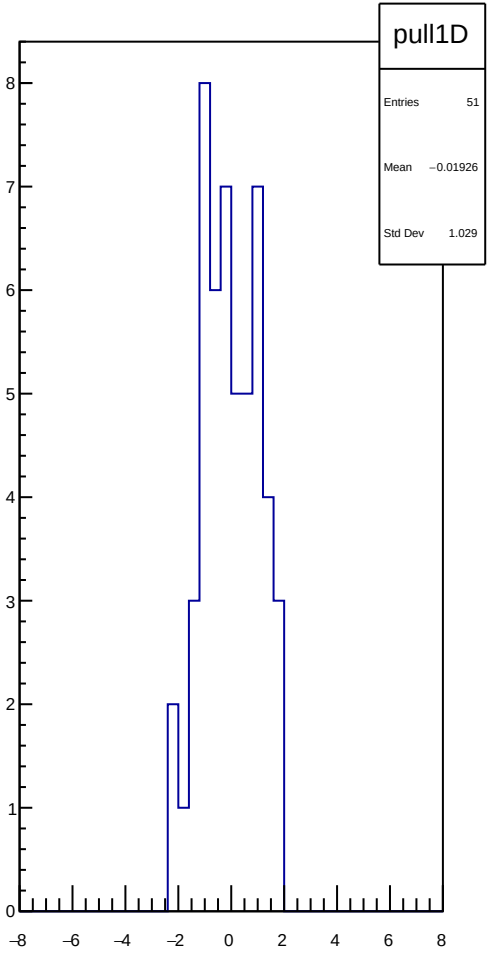

reg_asym_atl1r2_dd_rms vs run
χ² / ndf 1710 / 50
p0 1785 ± 1.799
1950
1900
1850
1800
1750
1700
1650
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 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

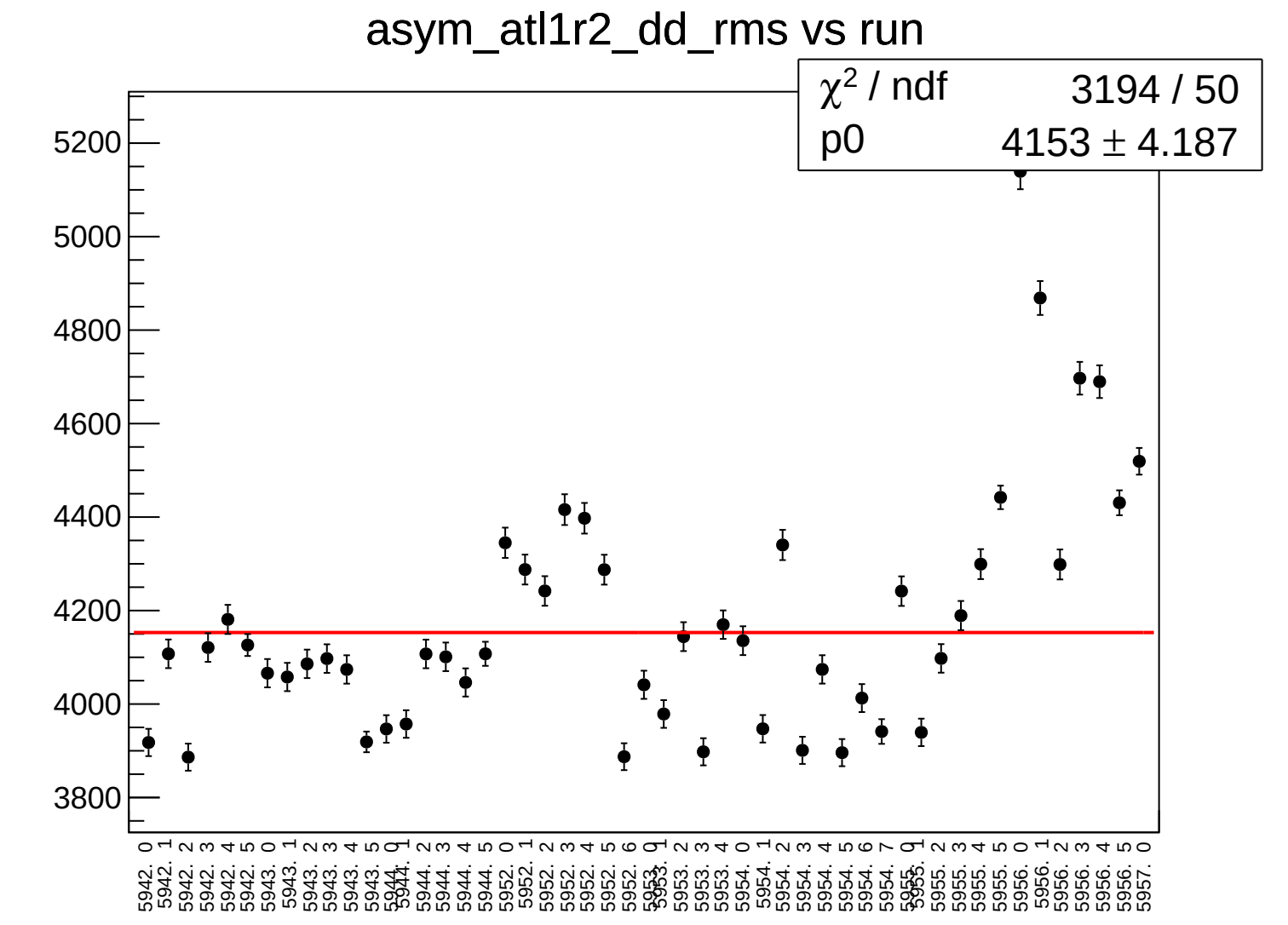

asym_atl1r2_dd_correction_mean vs run
×10^3
χ^2 / ndf 55.27 / 50
p0 −4556 ± 5330
100
50
0
−50
−100
pull
Entries 51
Mean 93.2
Std Dev 65.52
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

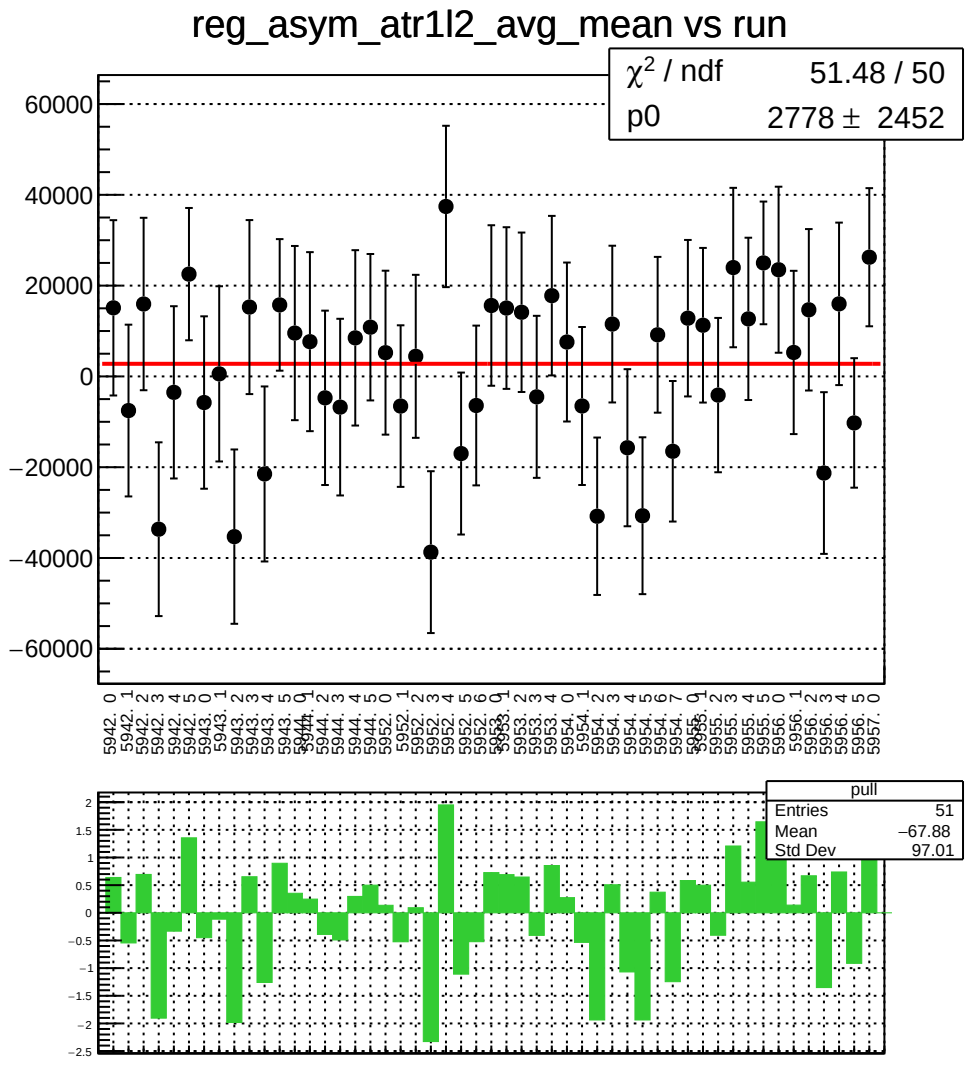

pull1D
Entries 51
Mean 0.01661
Std Dev 1.041
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

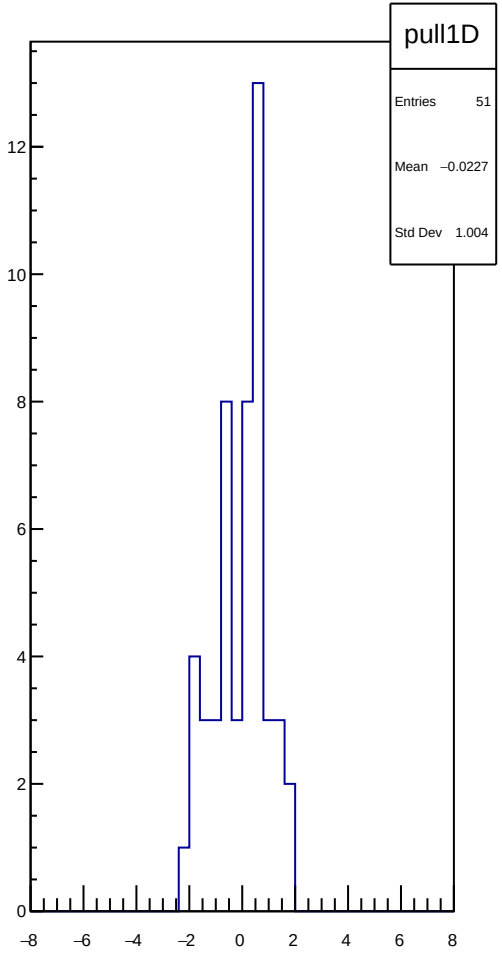

asym_atl1r2_dd_correction_rms vs run
χ² / ndf 4959 / 50
p0 3735 ± 3.769
5000
4800
4600
4400
4200
4000
3800
3600
3400
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
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

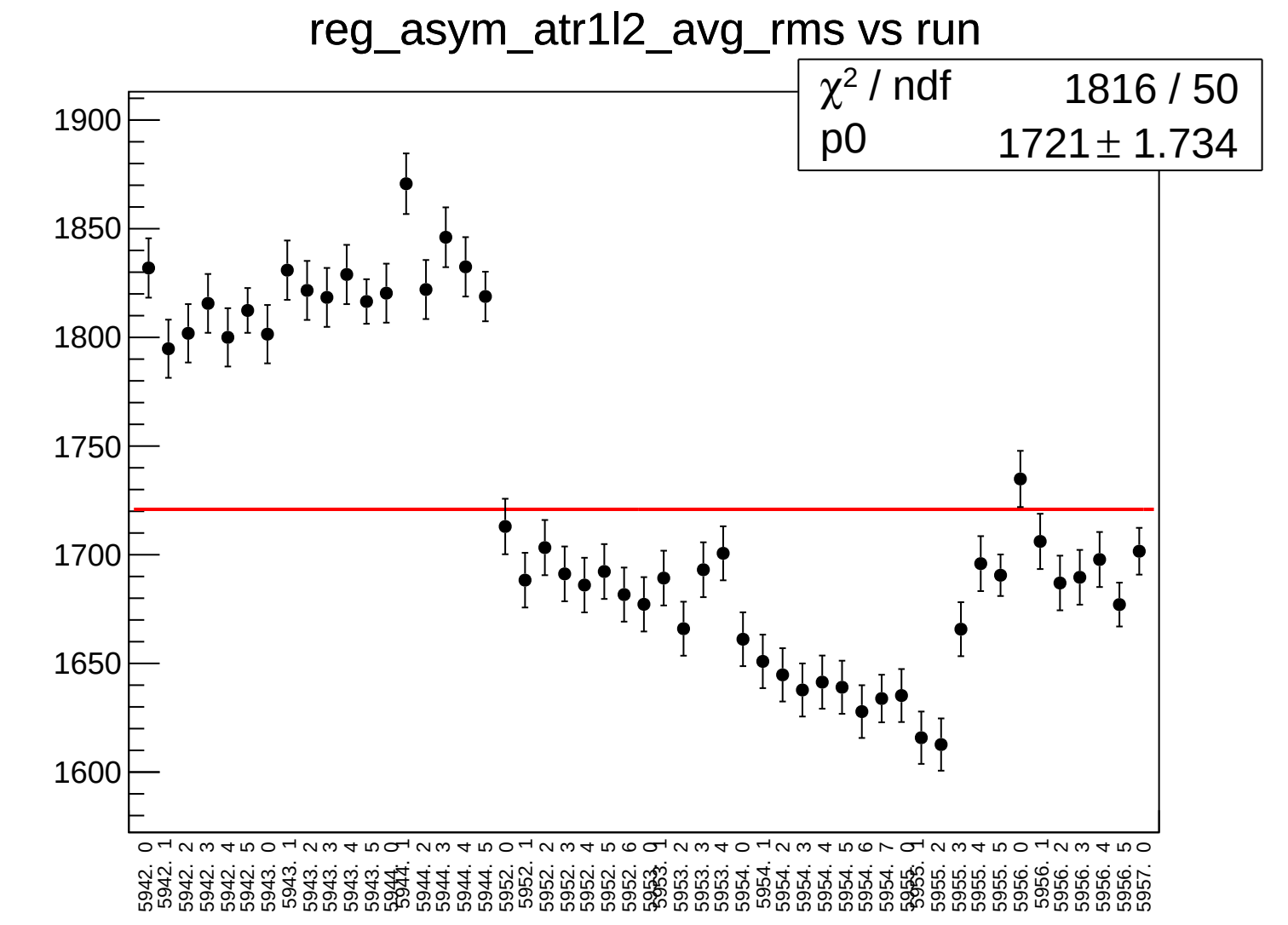

asym_atl1r2_dd_mean vs run
×10^3
χ^2 / ndf 54.06 / 50
p0 2353 ± 5921
100
50
0
−50
−100
−150
pull
Entries 51
Mean 154.9
Std Dev 130.5
1.5
1
0.5
0
−0.5
−1
−1.5
−2

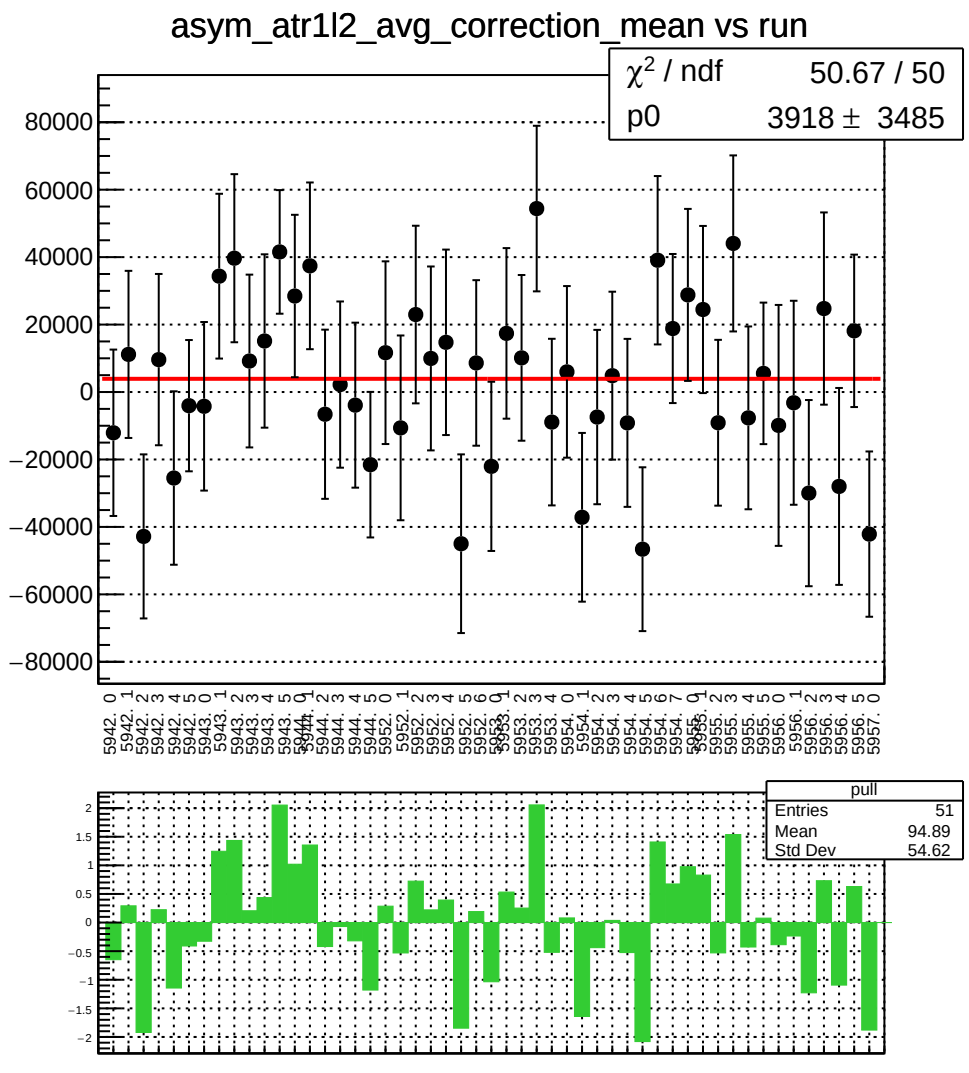

pull1D
Entries 51
Mean −0.01926
Std Dev 1.029
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

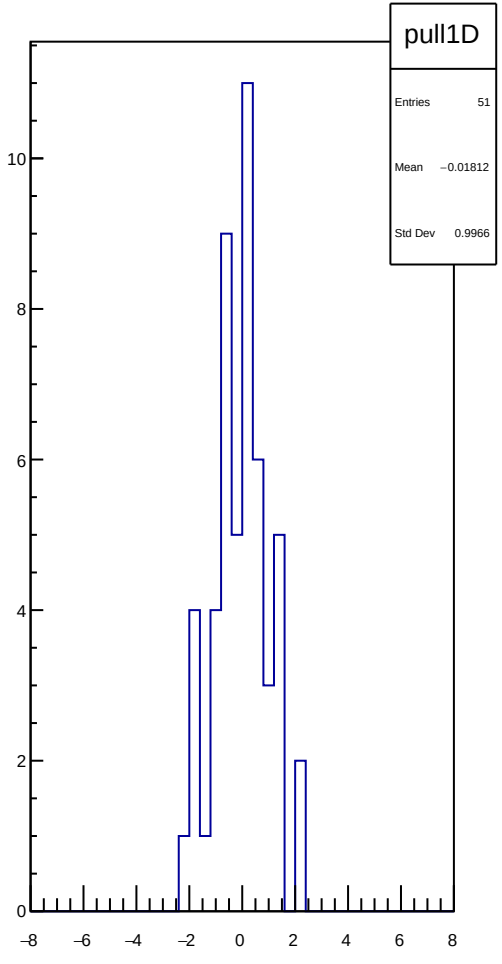

asym_atl1r2_dd_rms vs run
χ² / ndf 3194 / 50
p0 4153 ± 4.187
5200
5000
4800
4600
4400
4200
4000
3800
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
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

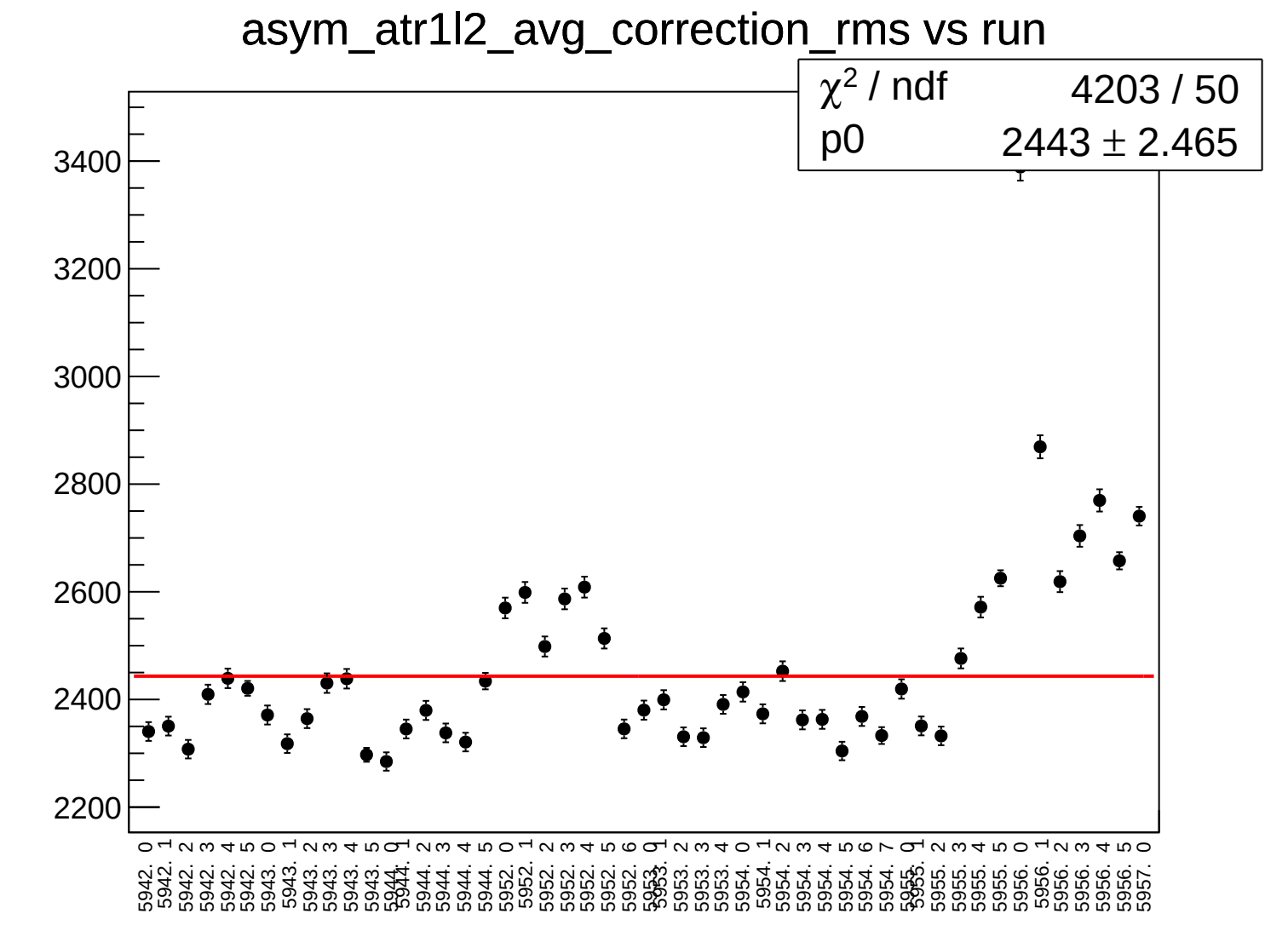

reg_asym_atr1l2_avg_mean vs run
χ² / ndf 51.48 / 50
p0 2778 ± 2452
pull
Entries 51
Mean −67.88
Std Dev 97.01

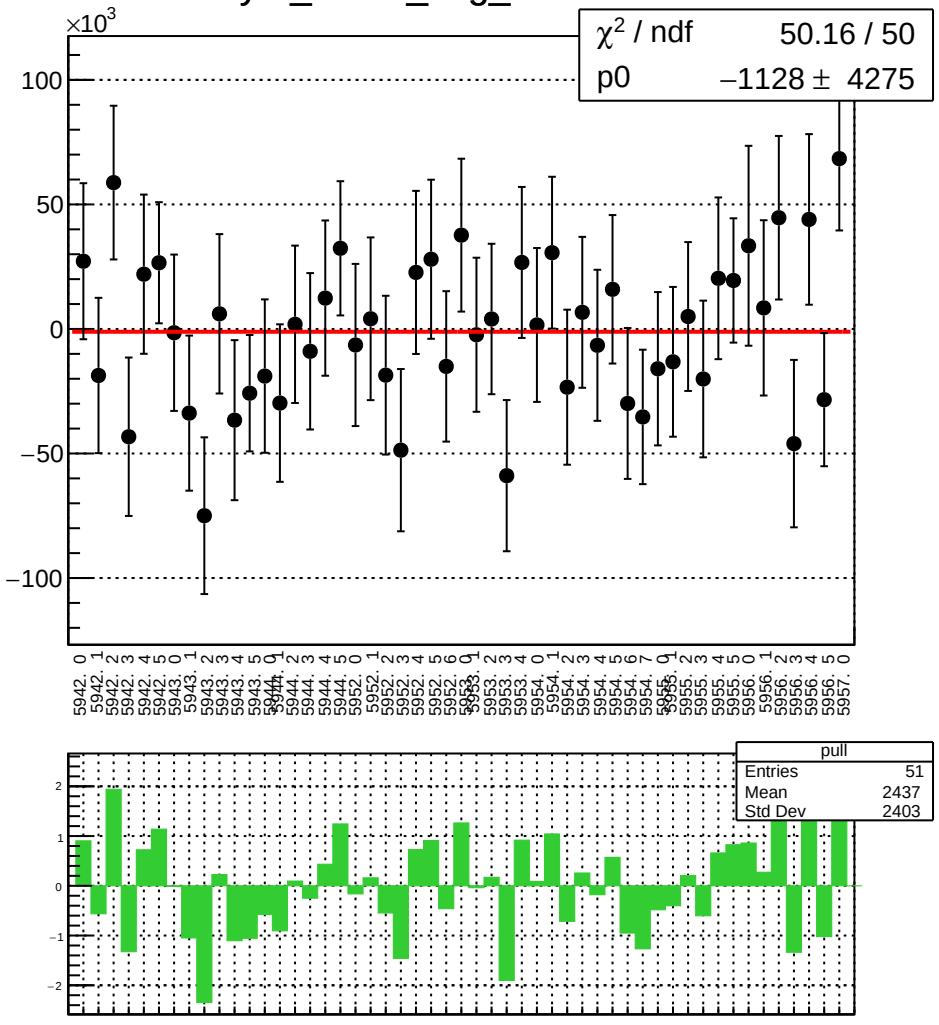

pull1D
Entries 51
Mean −0.0227
Std Dev 1.004

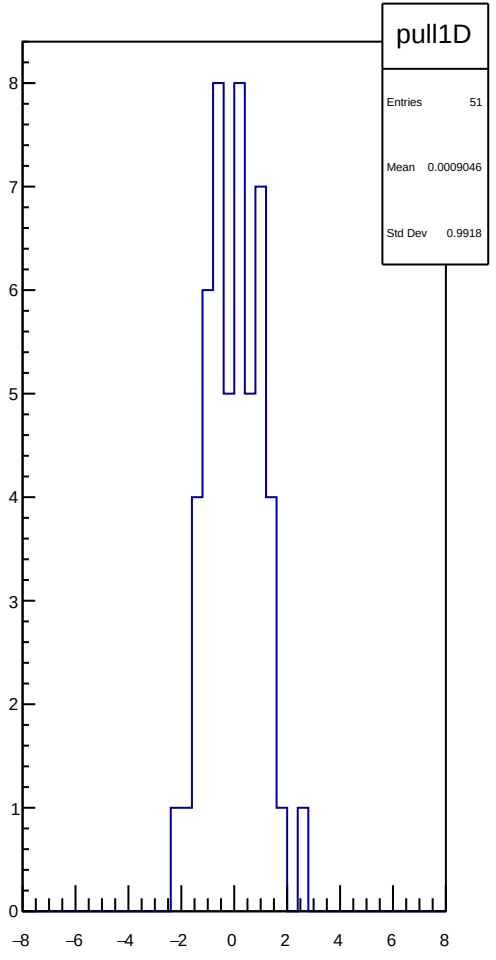

reg_asym_atr1l2_avg_rms vs run
χ² / ndf 1816 / 50
p0 1721 ± 1.734
1900
1850
1800
1750
1700
1650
1600
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
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

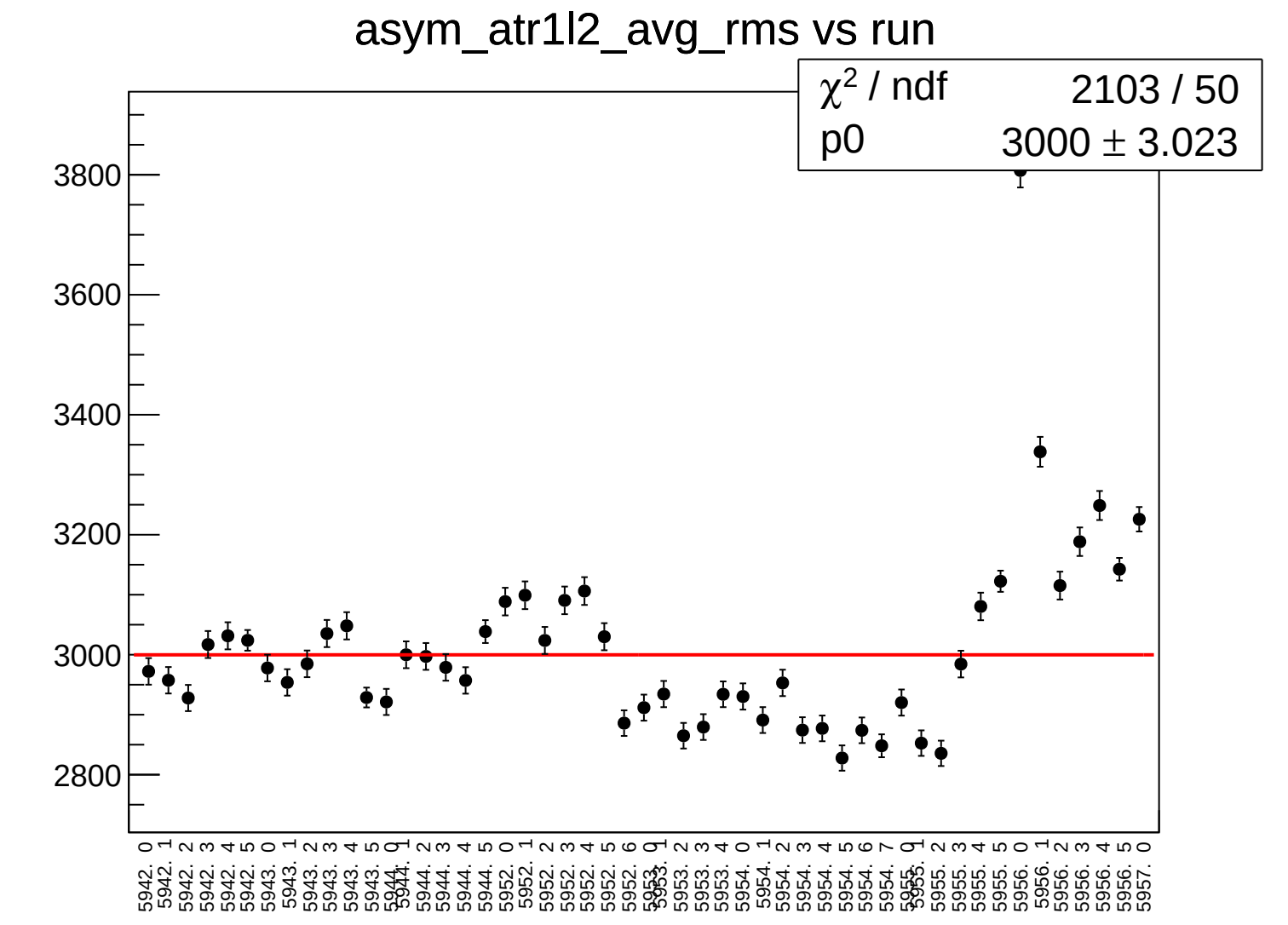

asym_atr1l2_avg_correction_mean vs run
χ² / ndf 50.67 / 50
p0 3918 ± 3485
pull
Entries 51
Mean 94.89
Std Dev 54.62

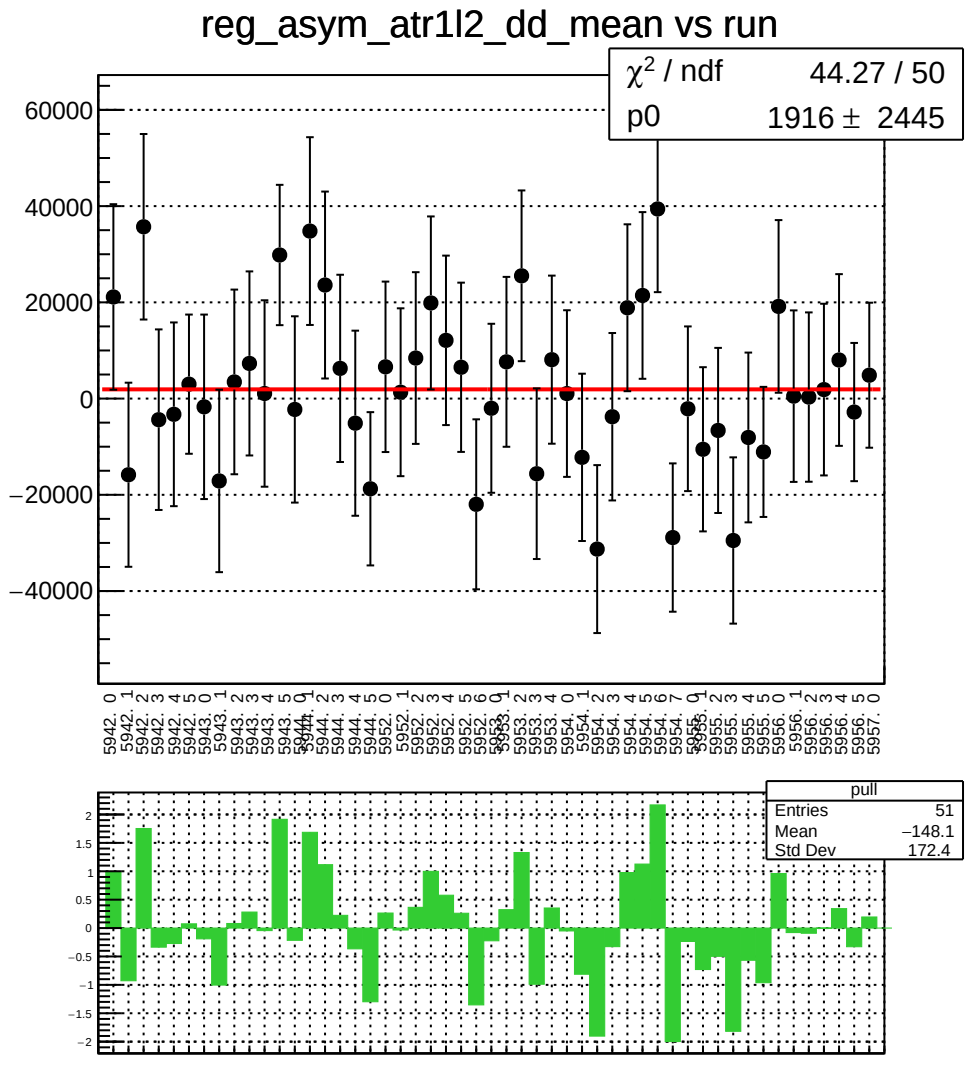

pull1D
Entries 51
Mean −0.01812
Std Dev 0.9966

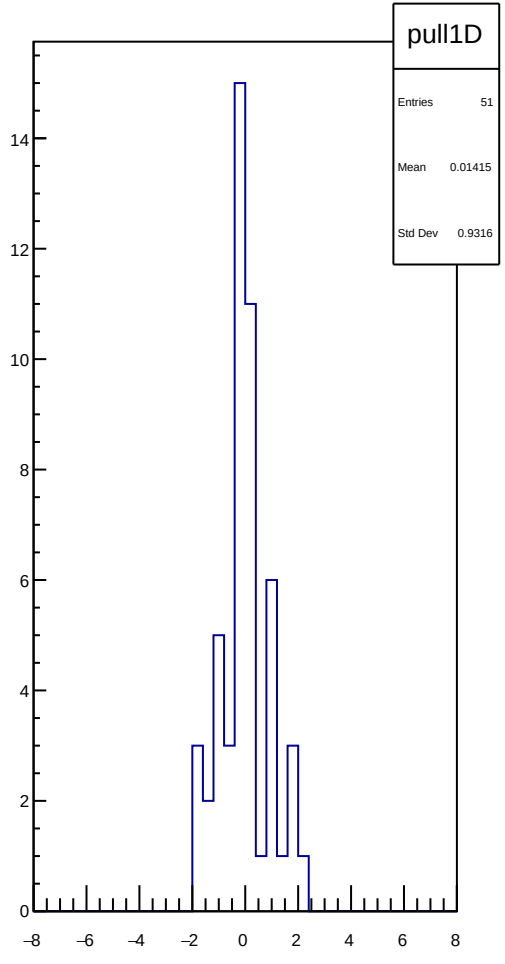

asym_atr1l2_avg_correction_rms vs run
χ² / ndf 4203 / 50
p0 2443 ± 2.465
3400
3200
3000
2800
2600
2400
2200
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 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

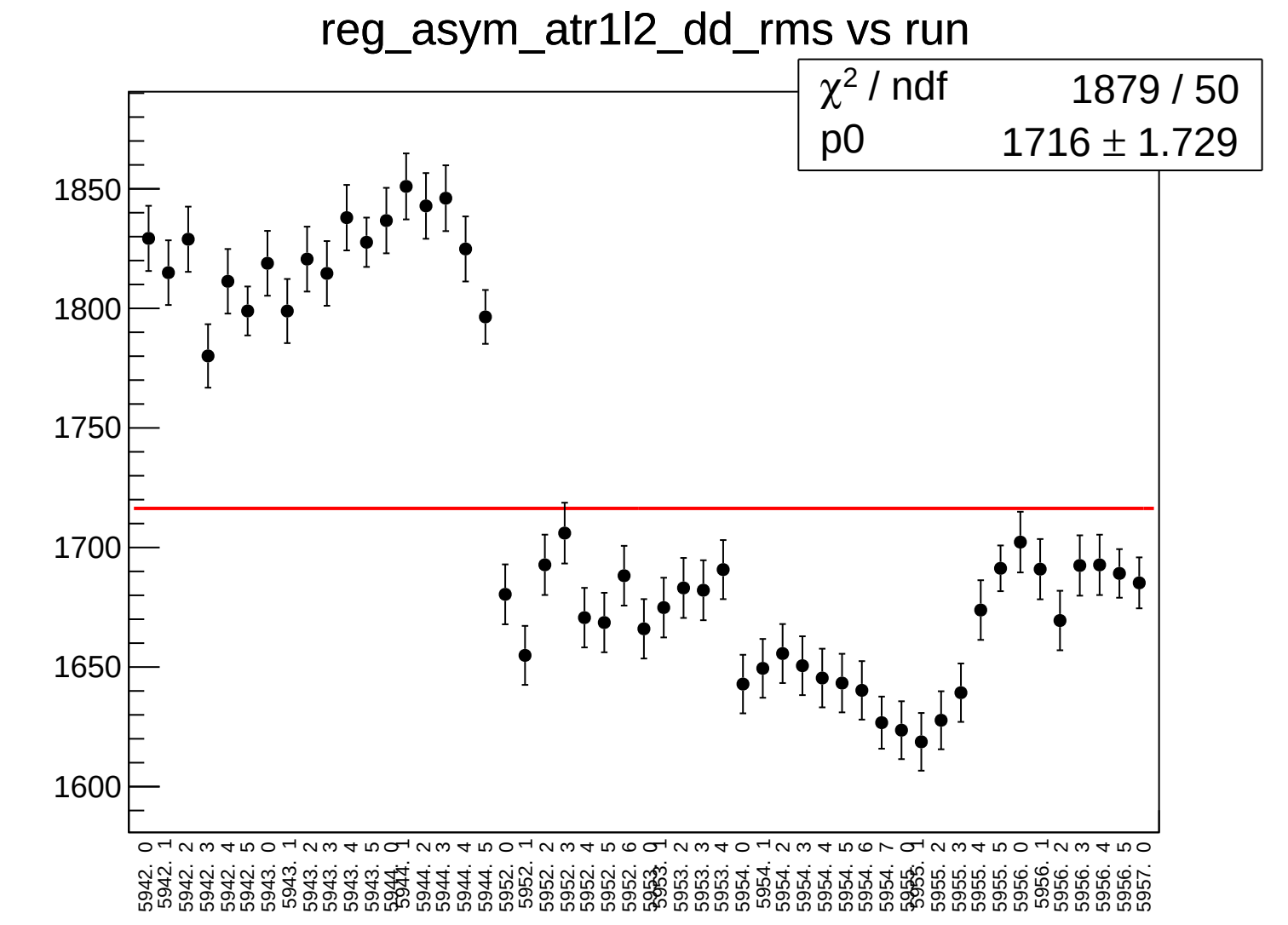

asym_atr1l2_avg_mean vs run
χ² / ndf 50.16 / 50
p0 −1128 ± 4275
×10³
pull
Entries 51
Mean 2437
Std Dev 2403

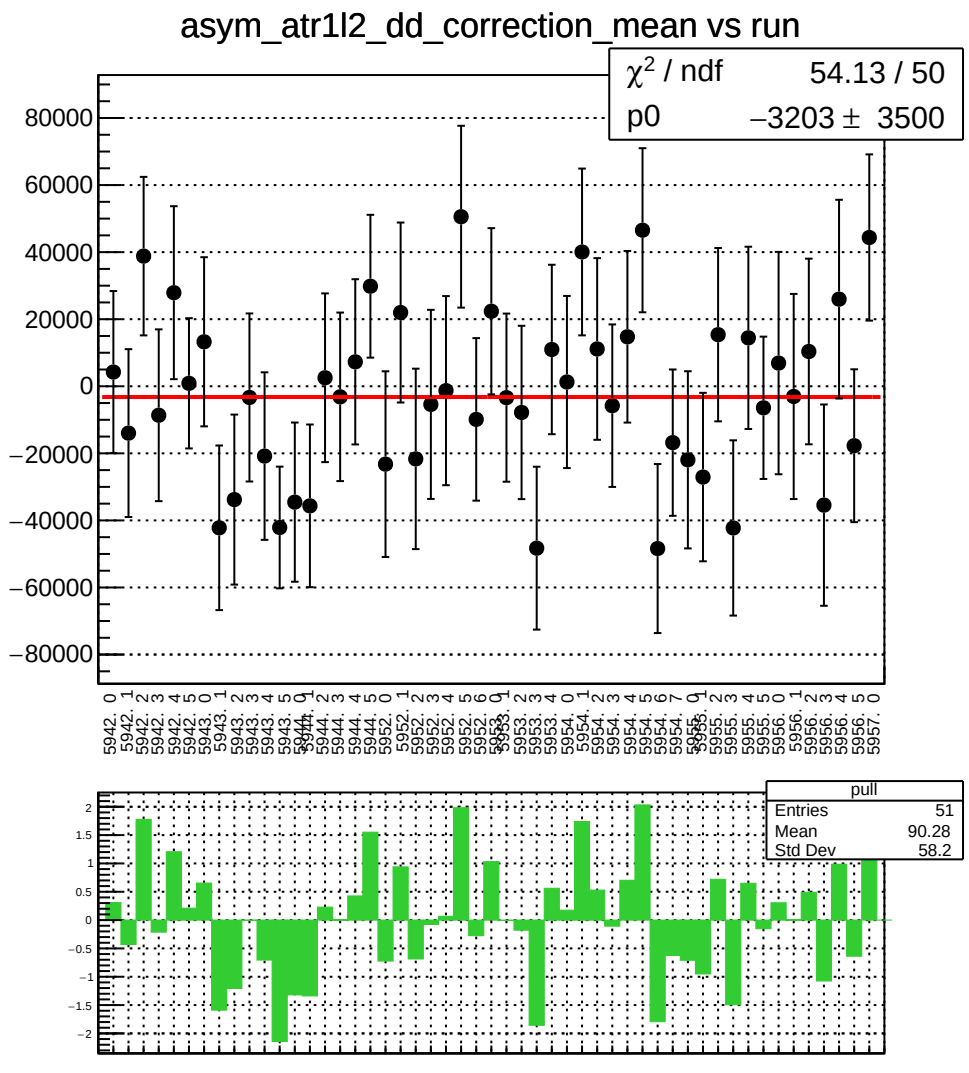

pull1D
Entries 51
Mean 0.0009046
Std Dev 0.9918

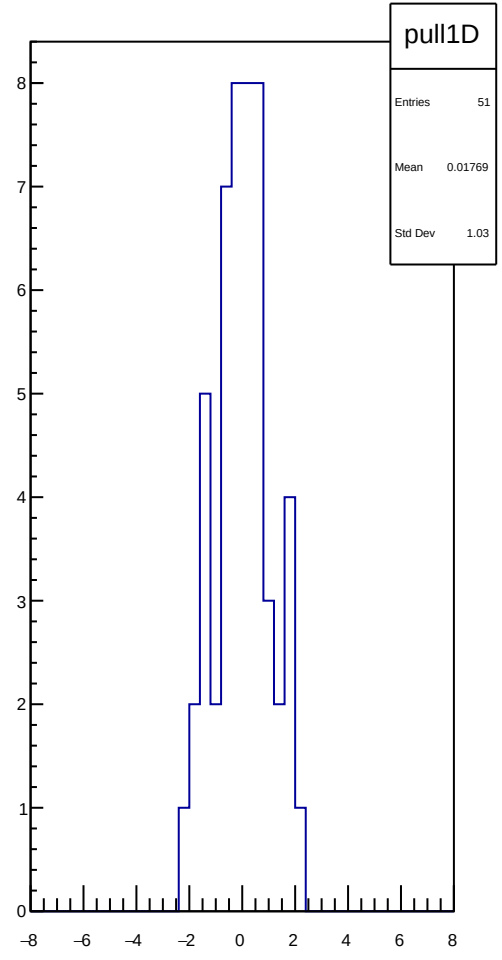

asym_atr1l2_avg_rms vs run
χ² / ndf 2103 / 50
p0 3000 ± 3.023
3800
3600
3400
3200
3000
2800
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 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

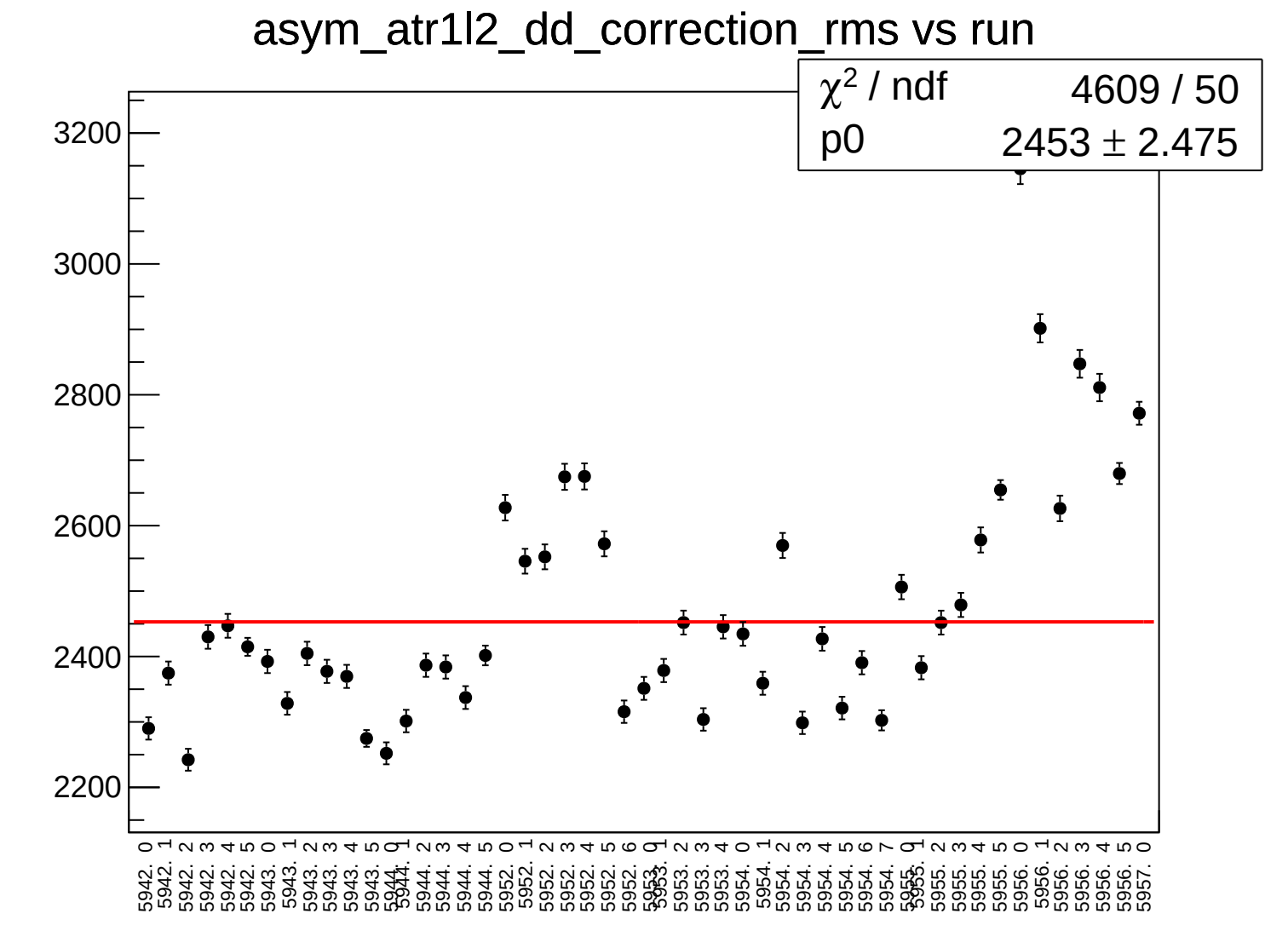

reg_asym_atr1l2_dd_mean vs run
χ² / ndf 44.27 / 50
p0 1916 ± 2445
pull
Entries 51
Mean −148.1
Std Dev 172.4

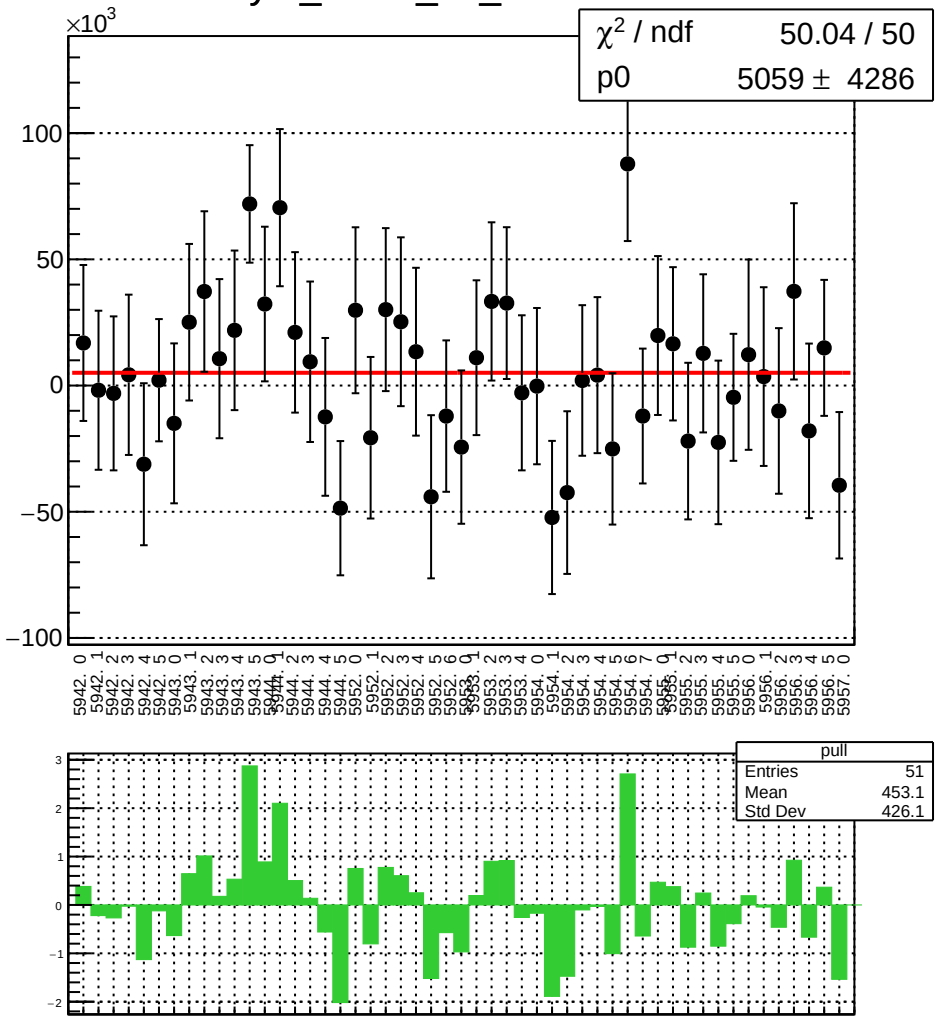

pull1D
Entries 51
Mean 0.01415
Std Dev 0.9316

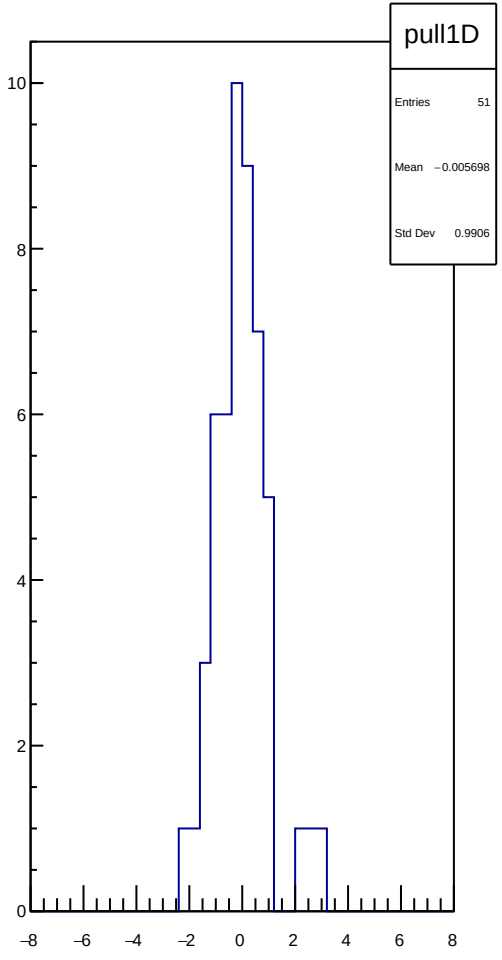

reg_asym_atr1l2_dd_rms vs run
χ² / ndf 1879 / 50
p0 1716 ± 1.729
1850
1800
1750
1700
1650
1600
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 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

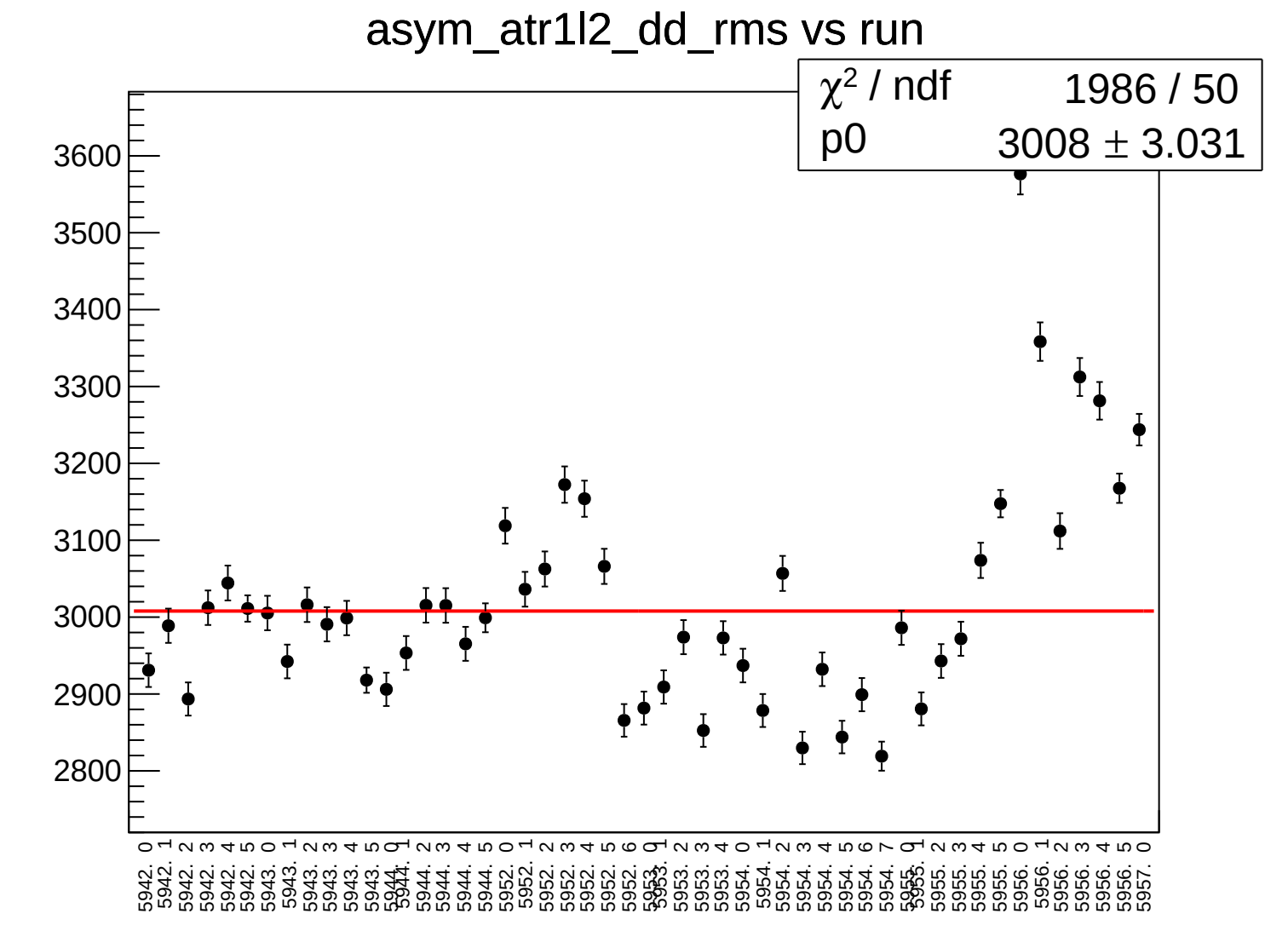

asym_atr1l2_dd_correction_mean vs run
χ² / ndf 54.13 / 50
p0 −3203 ± 3500
pull
Entries 51
Mean 90.28
Std Dev 58.2

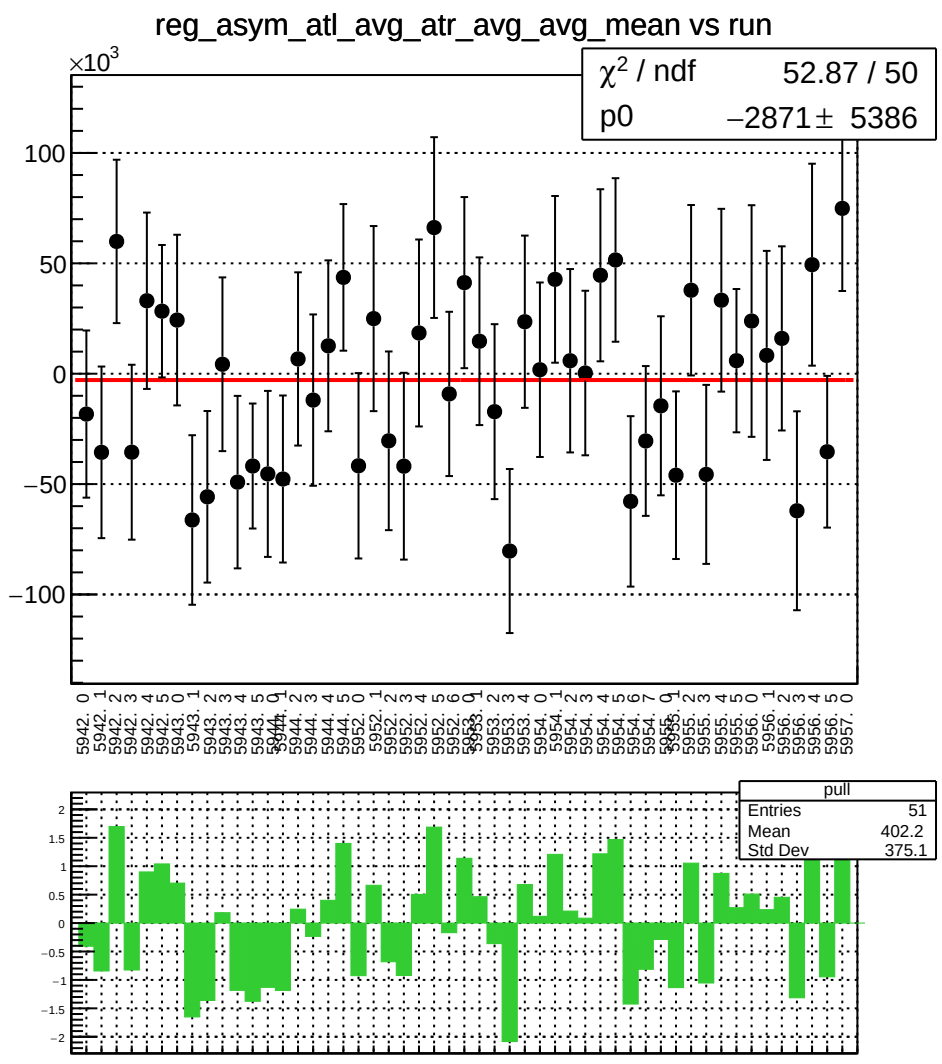

pull1D
Entries 51
Mean 0.01769
Std Dev 1.03

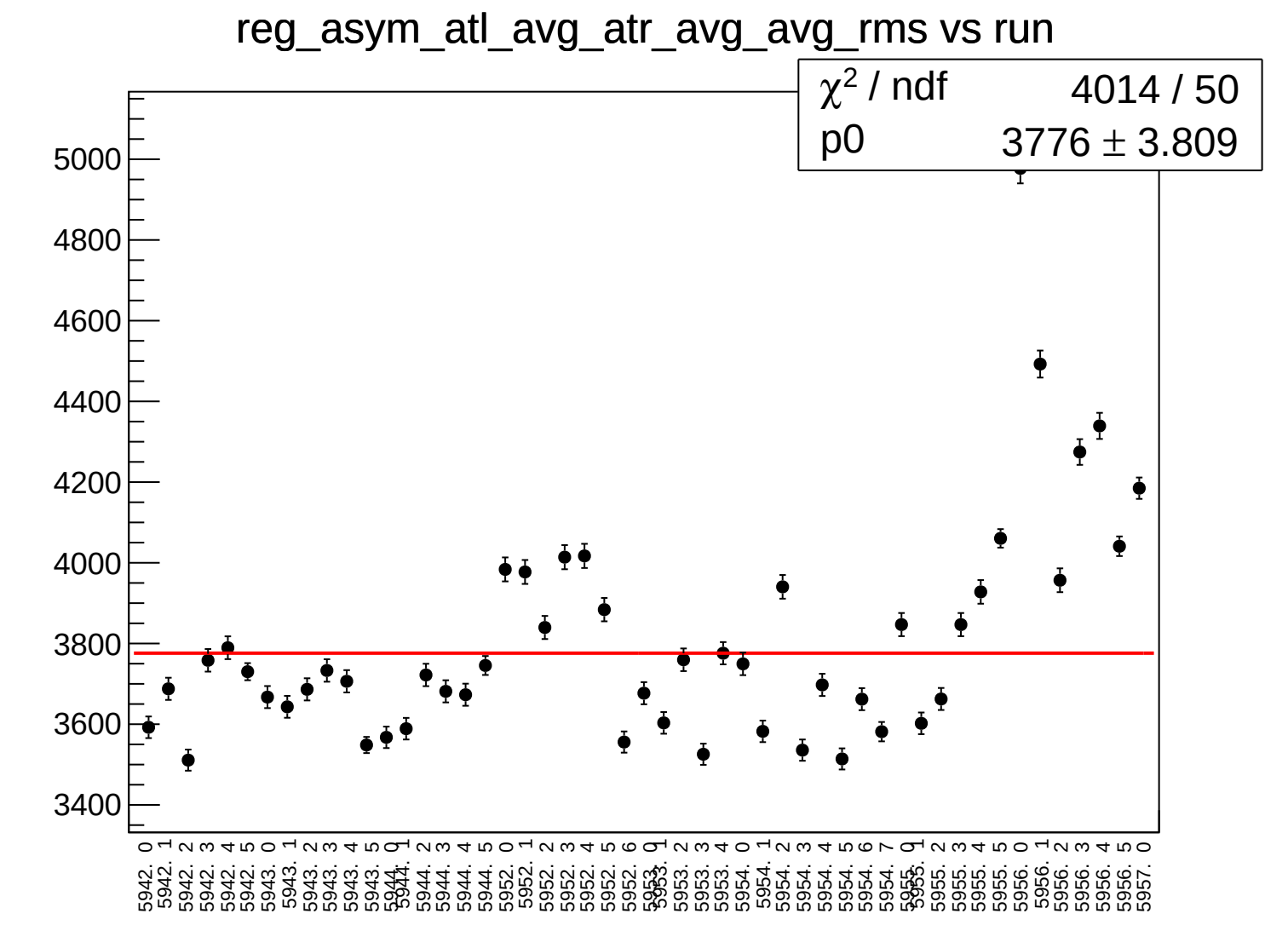

asym_atr1l2_dd_correction_rms vs run
χ² / ndf 4609 / 50
p0 2453 ± 2.475
3200
3000
2800
2600
2400
2200
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
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

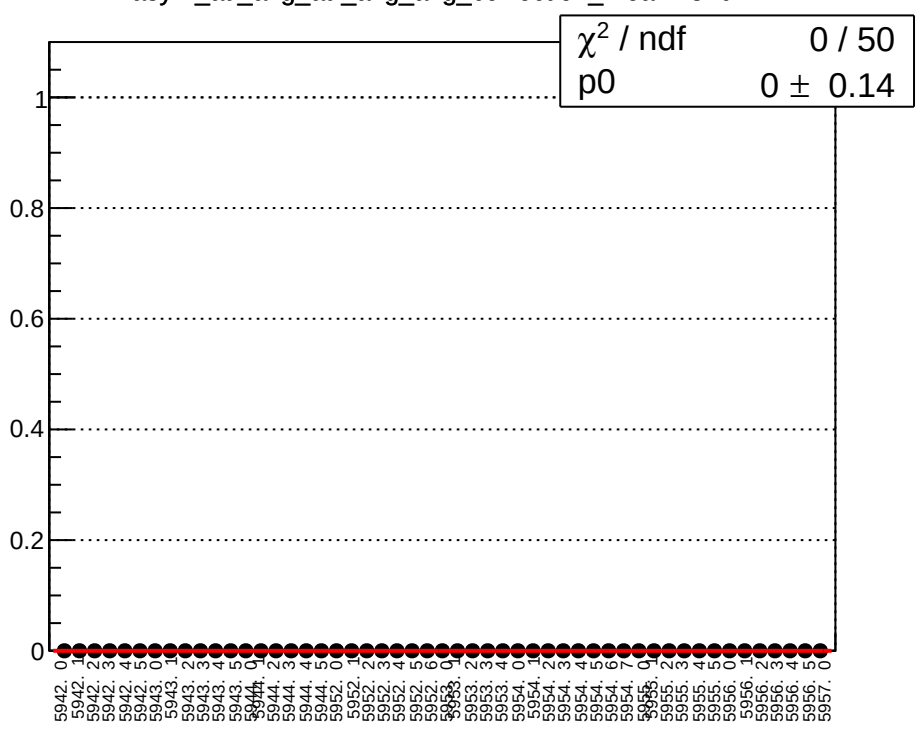

asym_atr1l2_dd_mean vs run
×10^3
χ^2 / ndf 50.04 / 50
p0 5059 ± 4286
100
50
0
−50
−100
pull
Entries 51
Mean 453.1
Std Dev 426.1
3
2
1
0
−1
−2

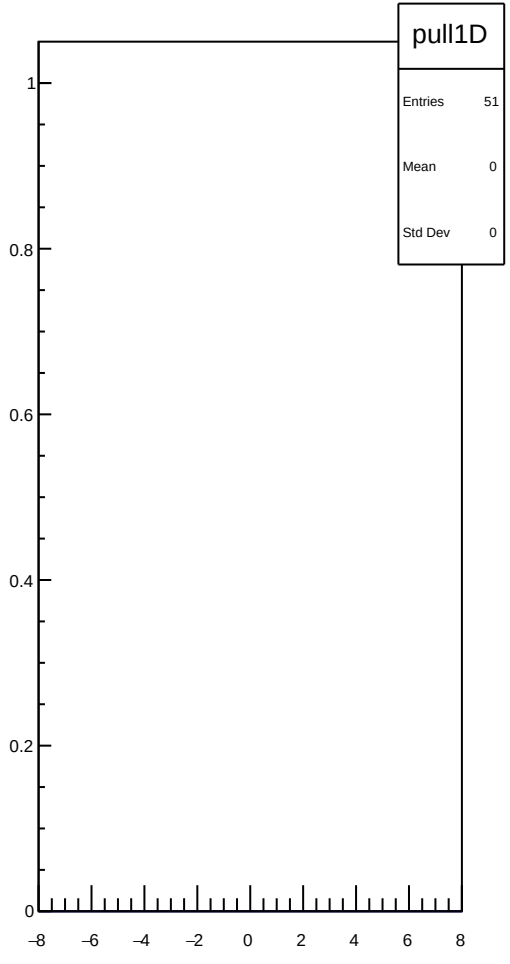

pull1D
Entries 51
Mean −0.005698
Std Dev 0.9906
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

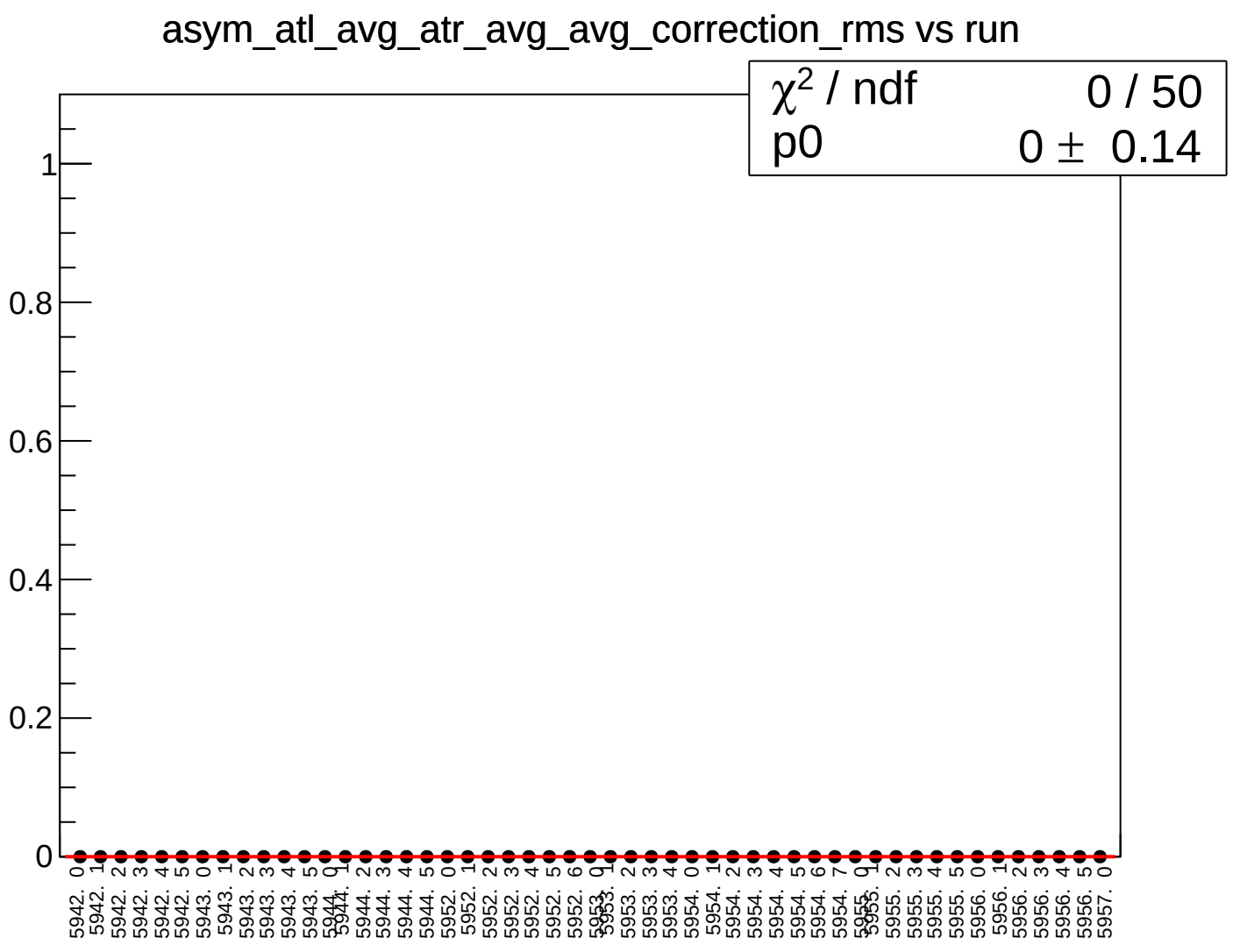

asym_atr1l2_dd_rms vs run
χ² / ndf 1986 / 50
p0 3008 ± 3.031
3600
3500
3400
3300
3200
3100
3000
2900
2800
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
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. 1
5955. 2
5955. 3
5955. 4
5955. 5
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

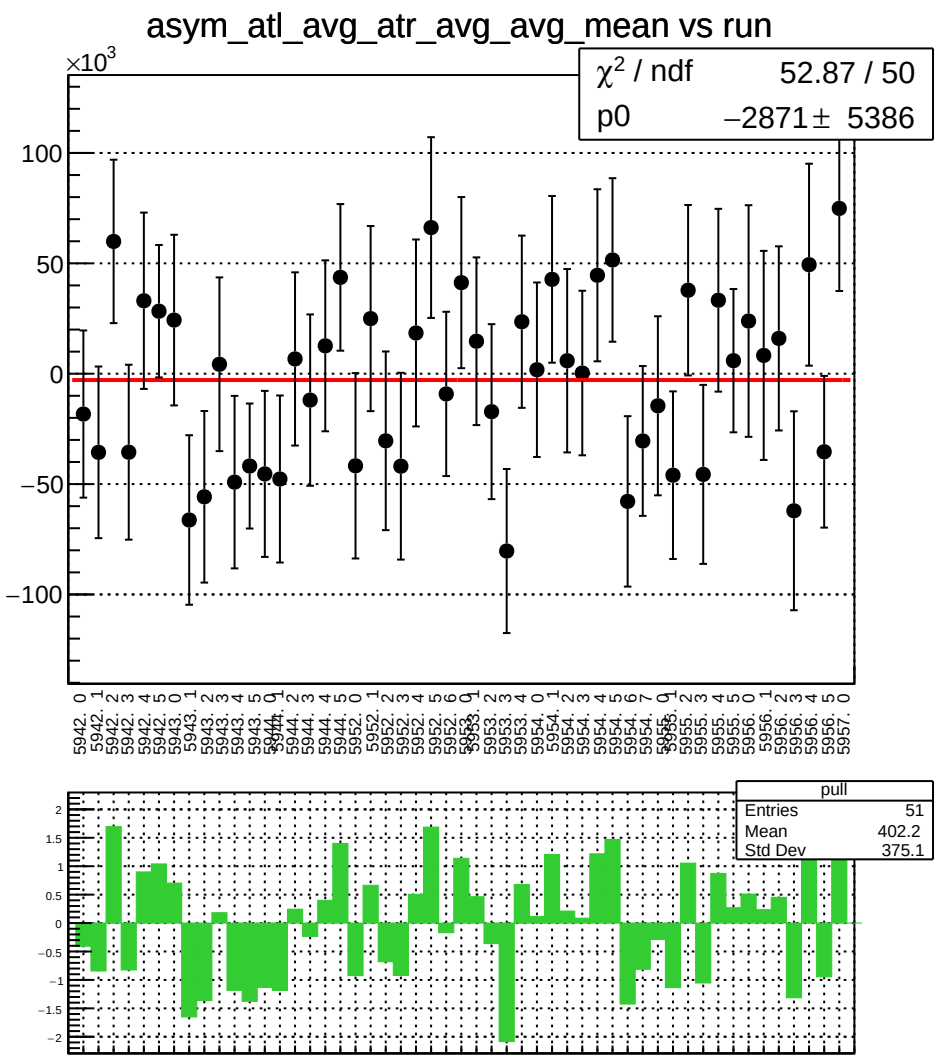

reg_asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ^2 / ndf 52.87 / 50
p0 −2871 ± 5386
100
50
0
−50
−100
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5952. 9
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
pull
Entries 51
Mean 402.2
Std Dev 375.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 51
Mean 0.006144
Std Dev 1.018
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

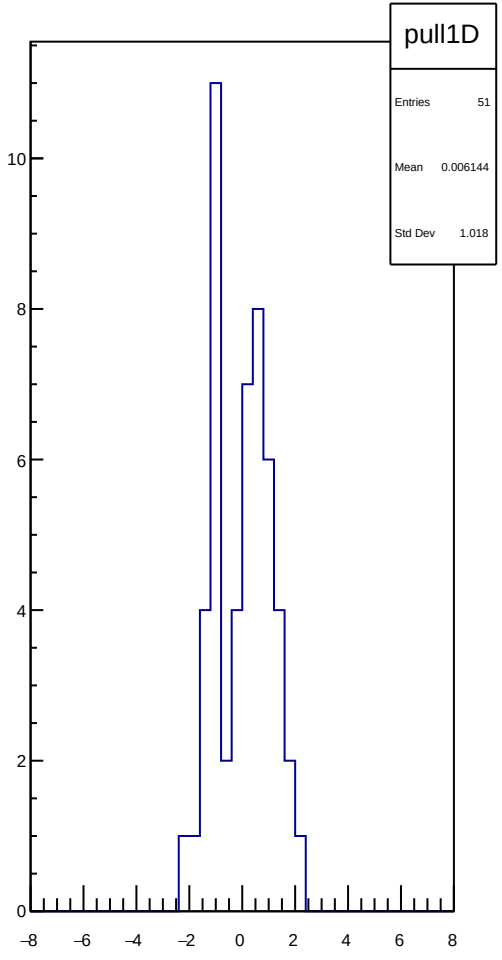

reg_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 4014 / 50
p0 3776 ± 3.809
5000
4800
4600
4400
4200
4000
3800
3600
3400
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 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

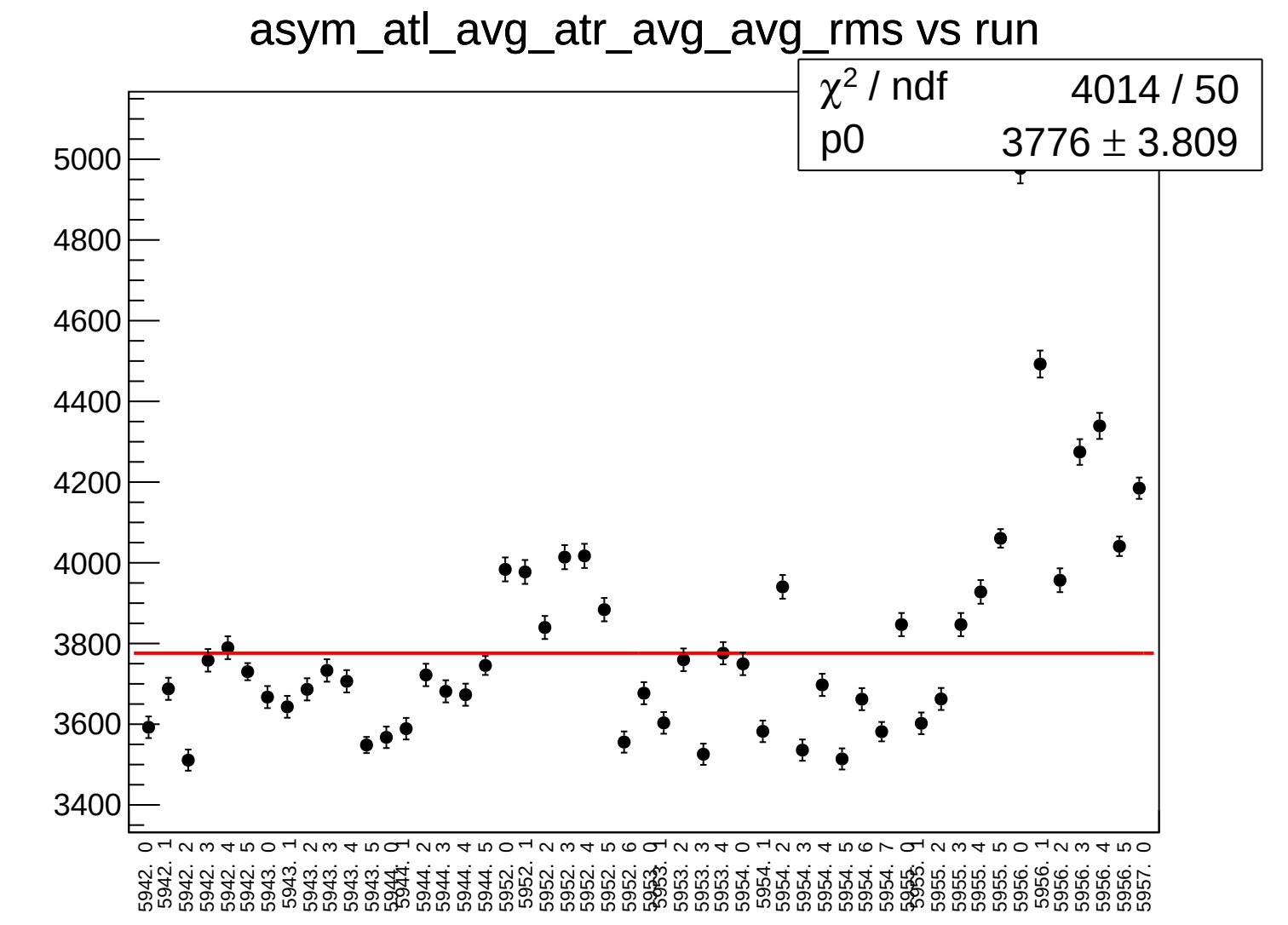

asym_atl_avg_atr_avg_avg_correction_mean vs run
χ² / ndf 0 / 50
p0 0 ± 0.14
1
0.8
0.6
0.4
0.2
0

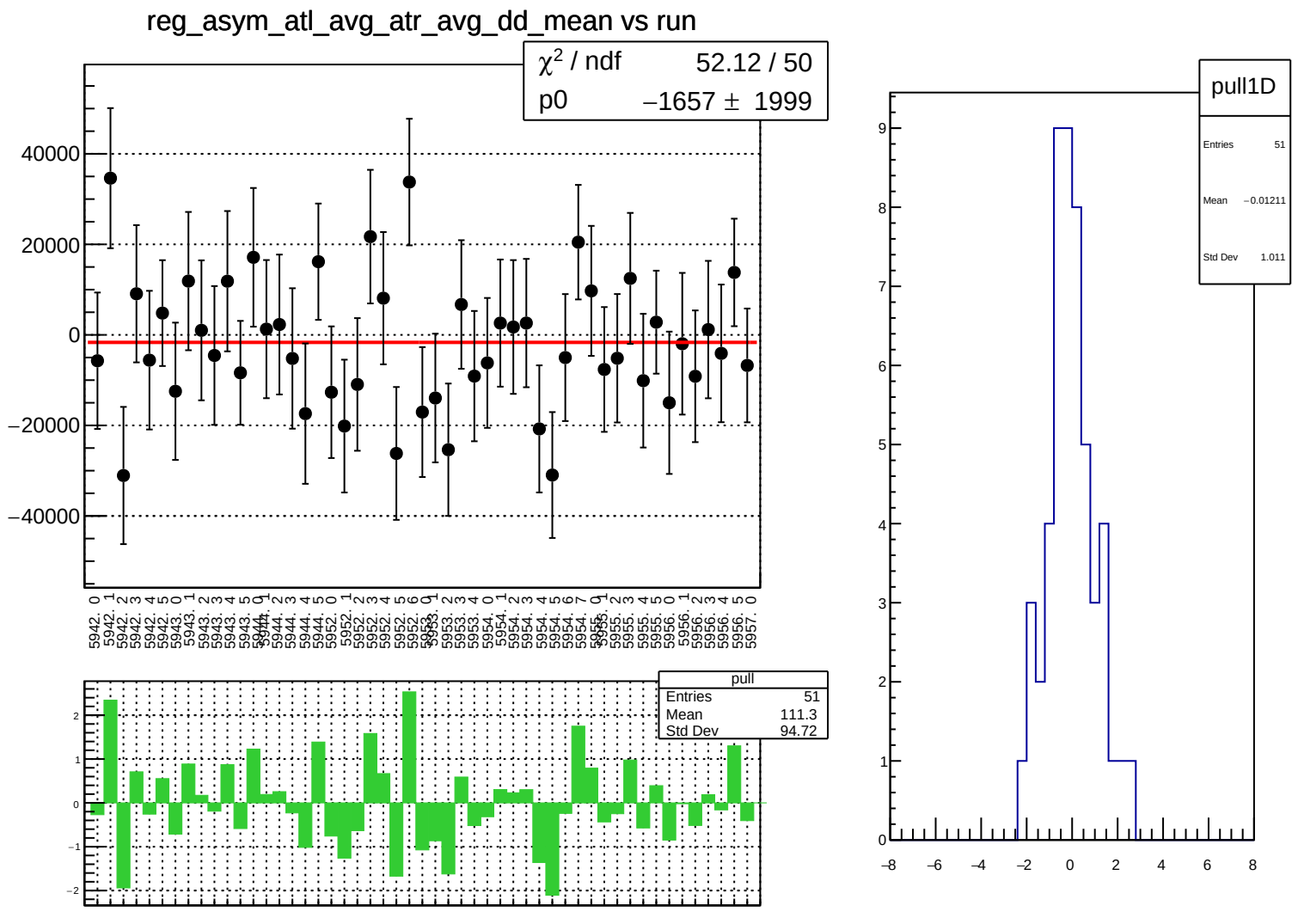

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

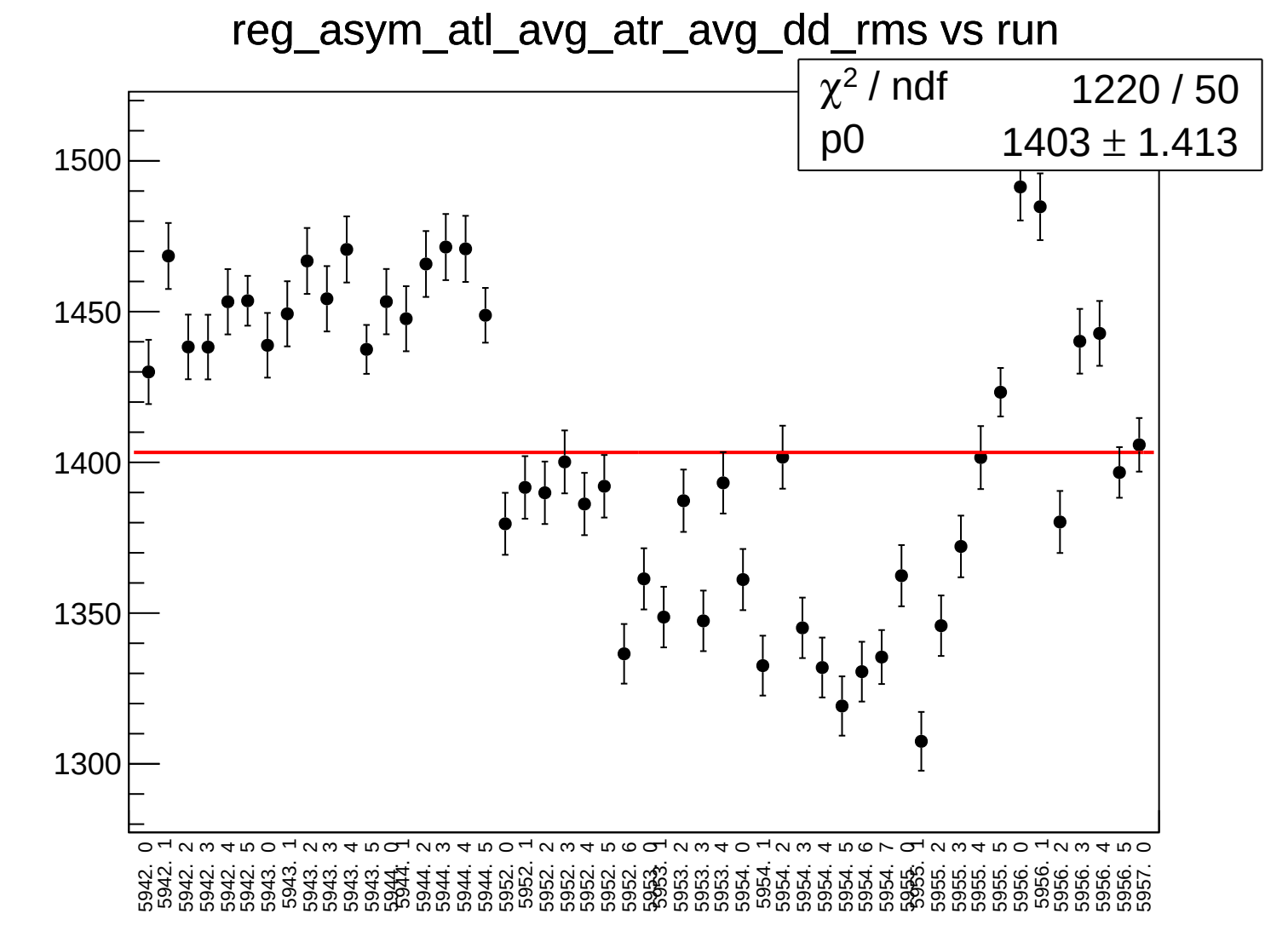

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 0 / 50
p0 0 ± 0.14
1
0.8
0.6
0.4
0.2
0
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 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

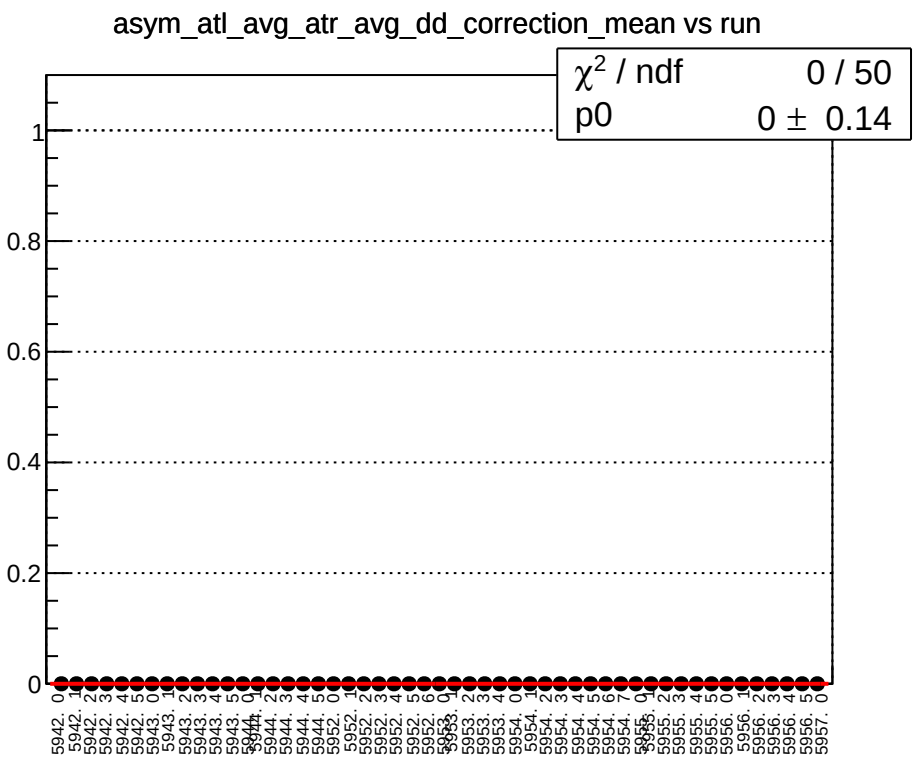

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ^2 / ndf 52.87 / 50
p0 −2871 ± 5386
100
50
0
−50
−100
pull
Entries 51
Mean 402.2
Std Dev 375.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

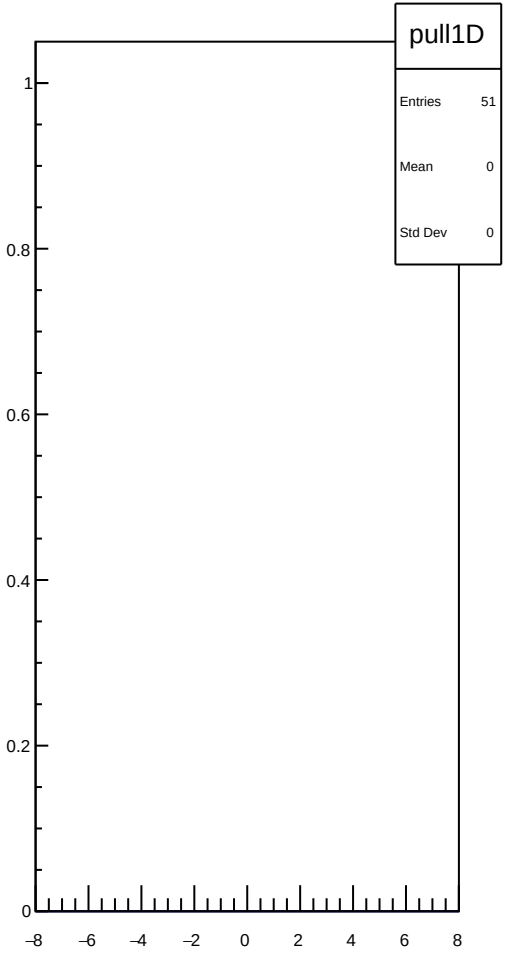

pull1D
Entries 51
Mean 0.006144
Std Dev 1.018
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

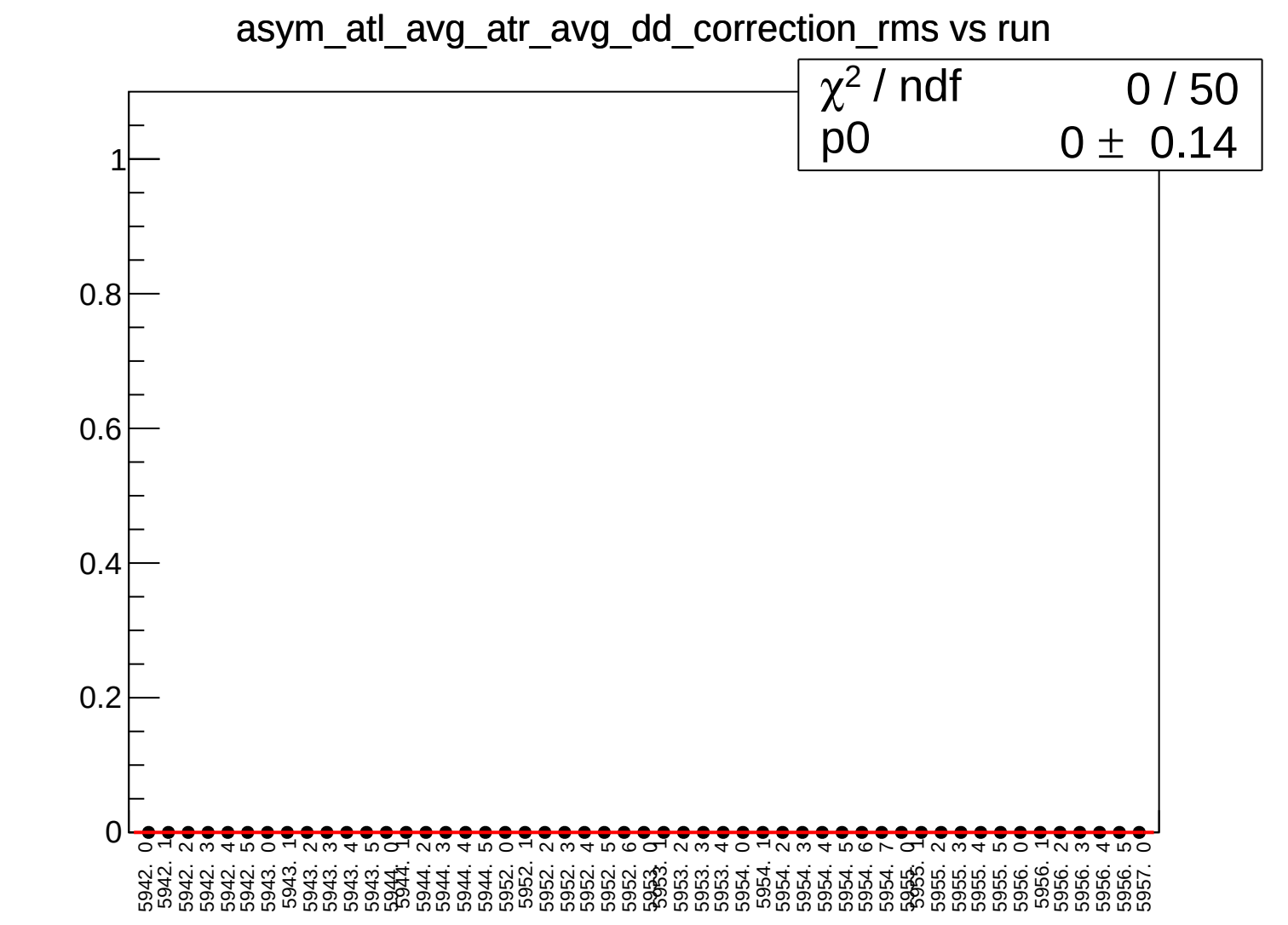

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 4014 / 50
p0 3776 ± 3.809
5000
4800
4600
4400
4200
4000
3800
3600
3400
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 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

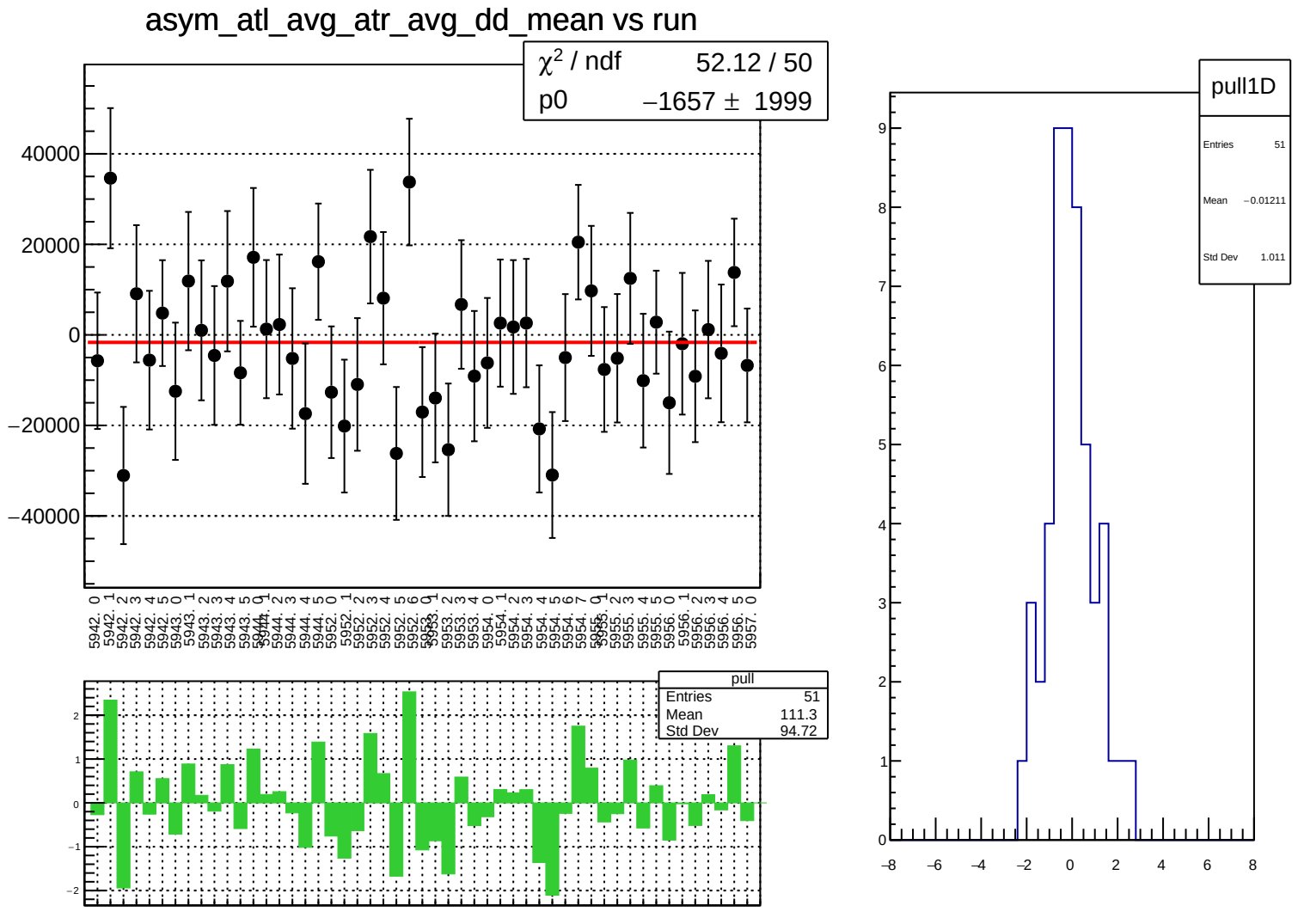

reg_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 52.12 / 50
p0 −1657 ± 1999
40000
20000
0
−20000
−40000
pull
Entries 51
Mean 111.3
Std Dev 94.72
pull1D
Entries 51
Mean −0.01211
Std Dev 1.011

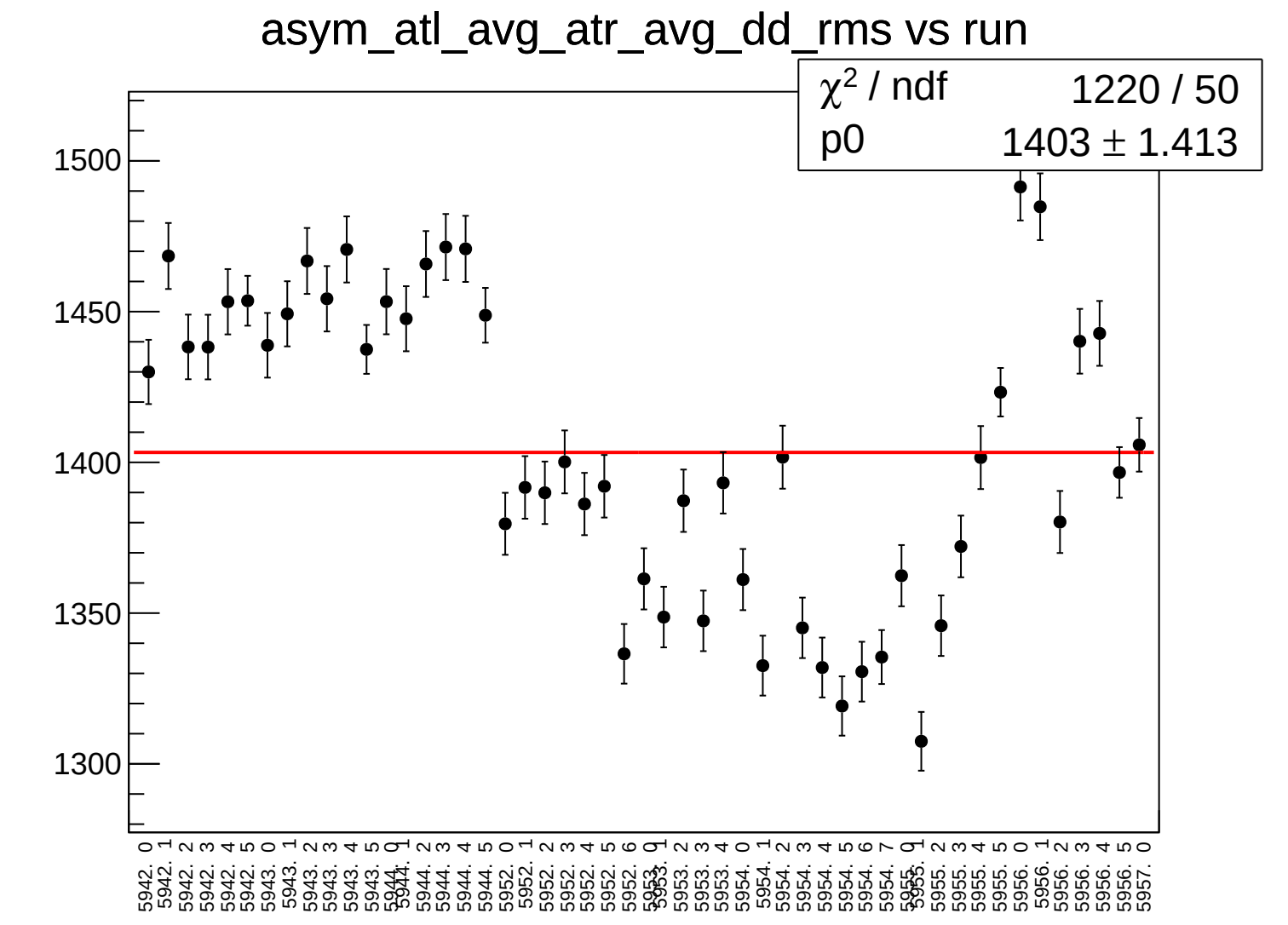

reg_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1220 / 50
p0 1403 ± 1.413
1500
1450
1400
1350
1300
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 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

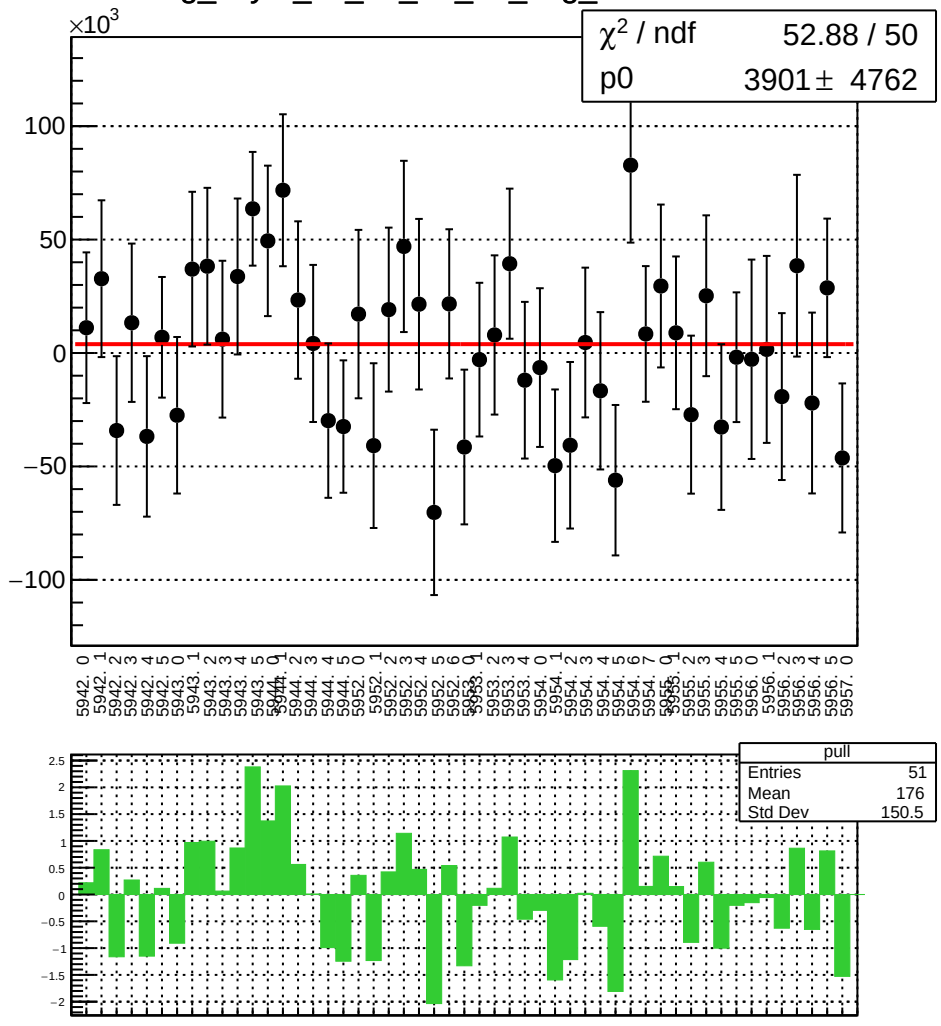

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 0 / 50
p0 0 ± 0.14
1
0.8
0.6
0.4
0.2
0

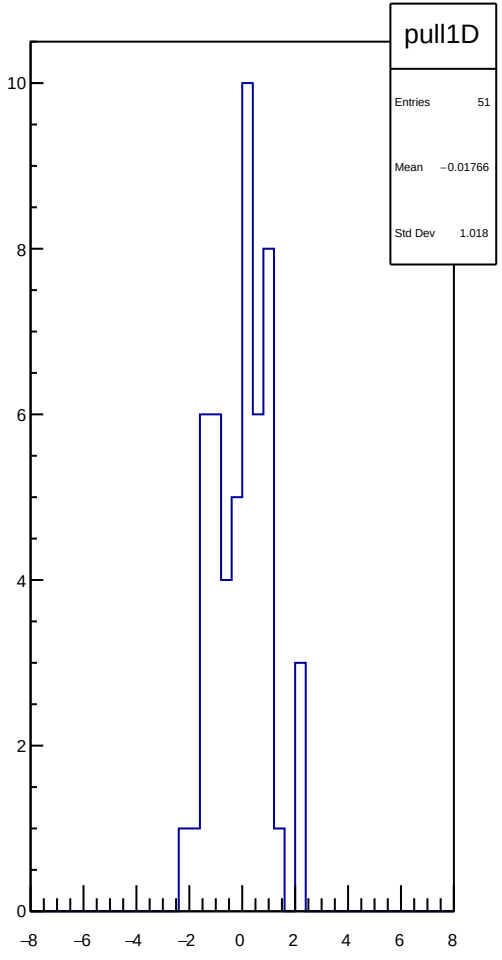

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

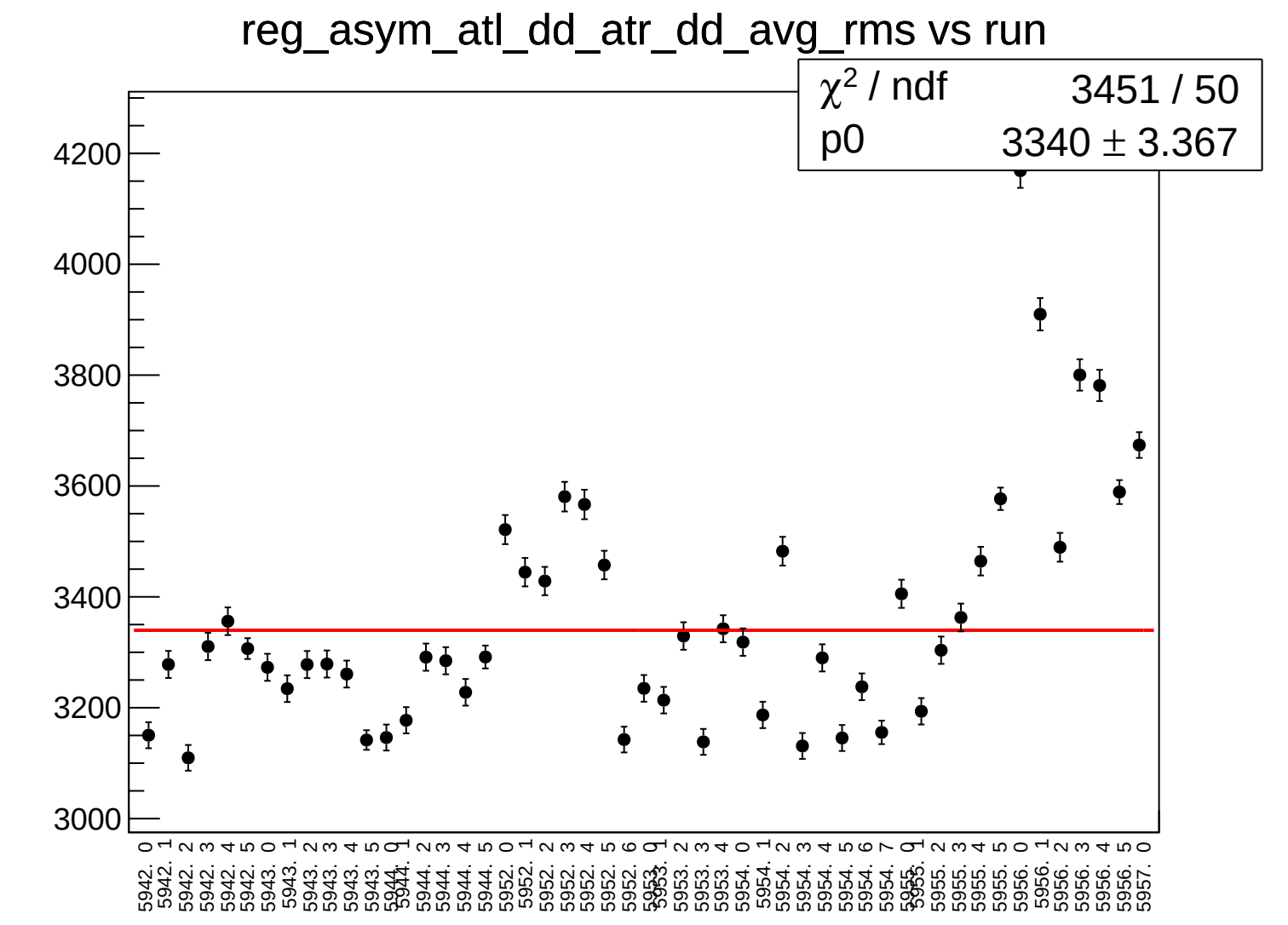

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 0 / 50
p0 0 ± 0.14
1
0.8
0.6
0.4
0.2
0
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
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

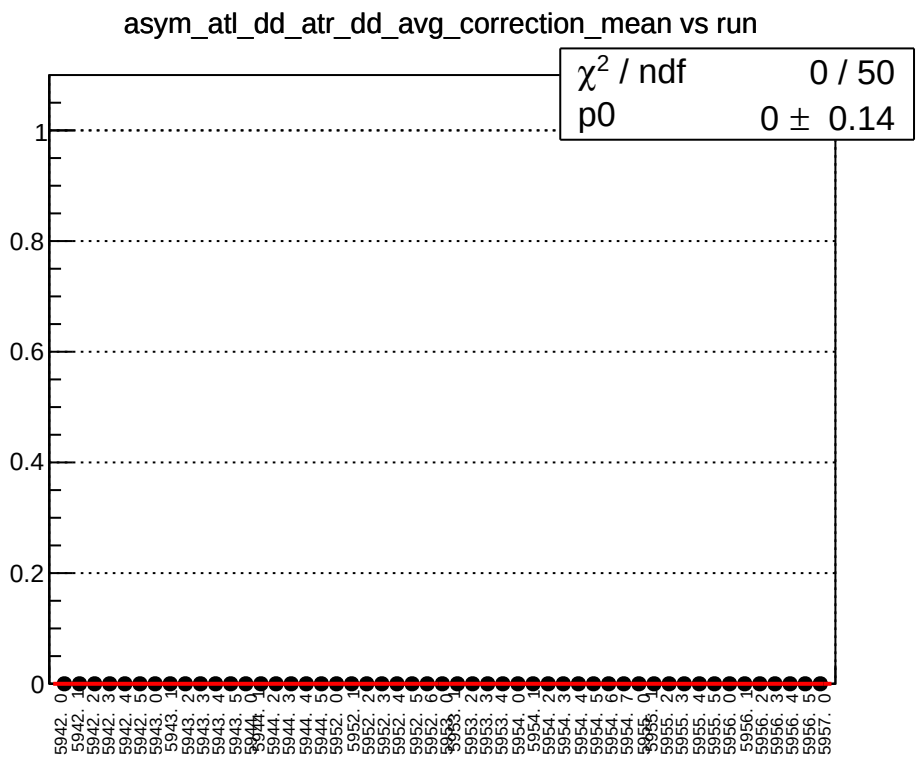

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 52.12 / 50
p0 −1657 ± 1999
40000
20000
0
−20000
−40000
pull
Entries 51
Mean 111.3
Std Dev 94.72
pull1D
Entries 51
Mean −0.01211
Std Dev 1.011

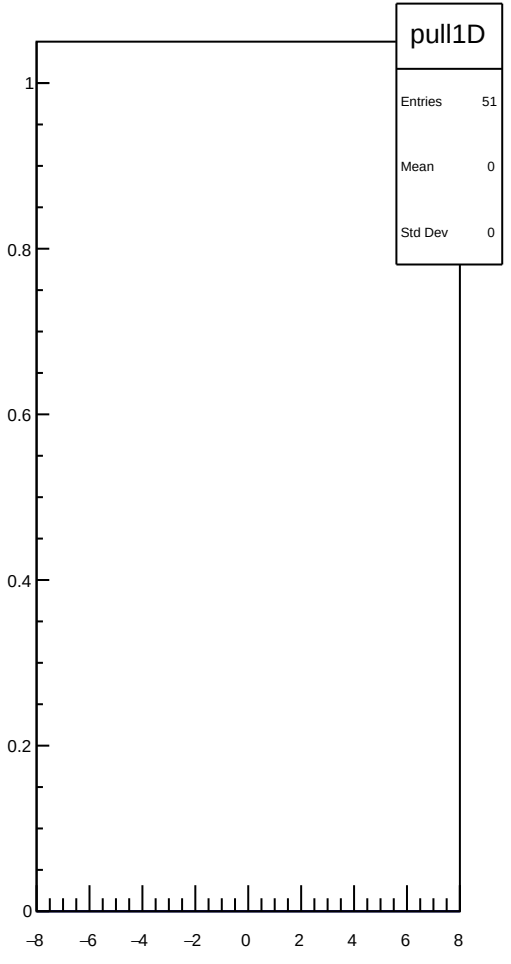

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1220 / 50
p0 1403 ± 1.413
1500
1450
1400
1350
1300
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 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

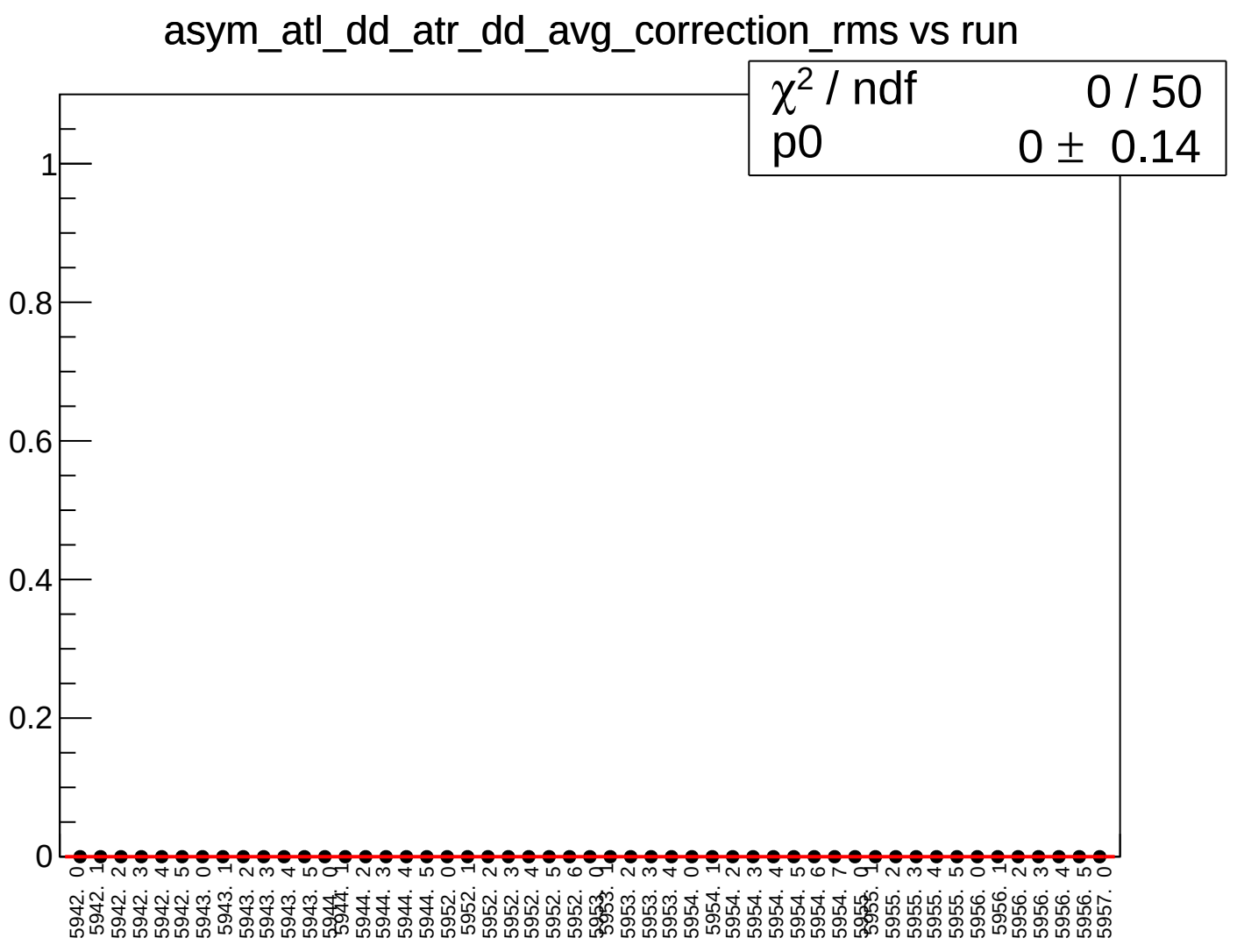

reg_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 52.88 / 50
p0 3901 ± 4762
×10³
pull
Entries 51
Mean 176
Std Dev 150.5

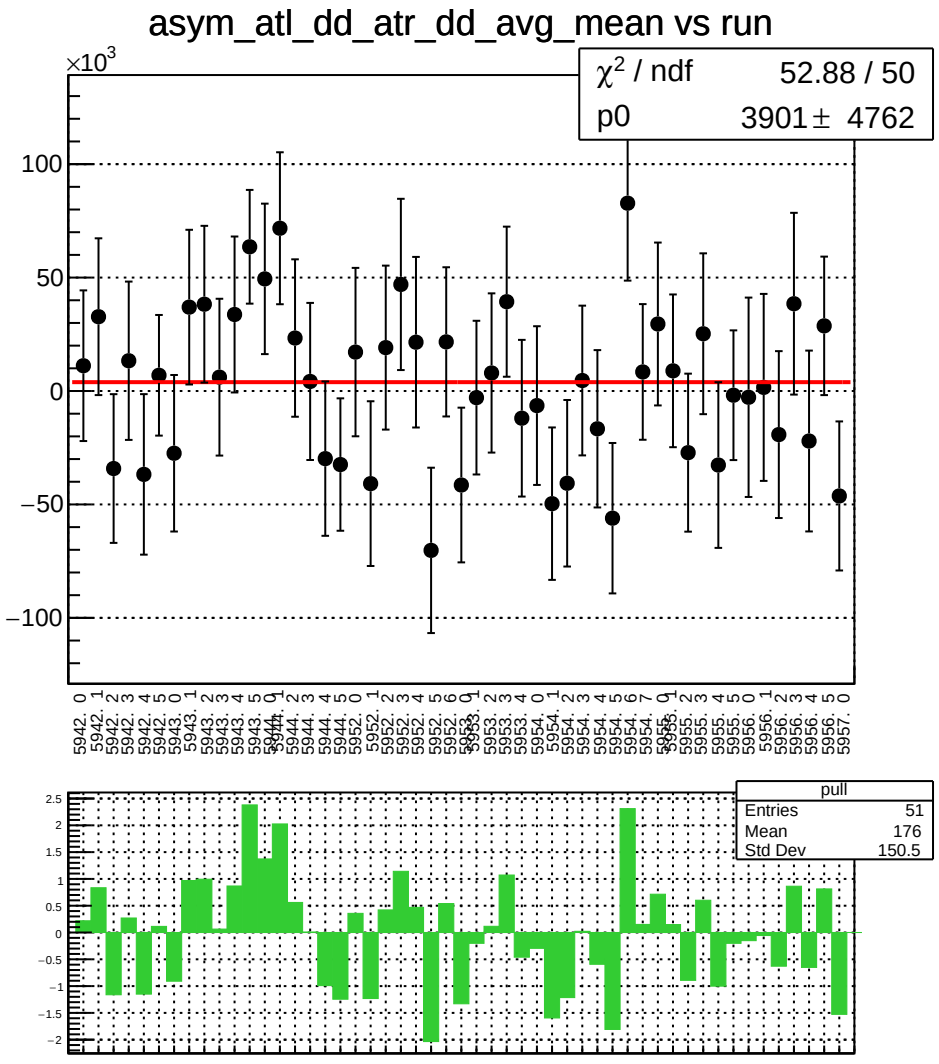

pull1D
Entries 51
Mean −0.01766
Std Dev 1.018

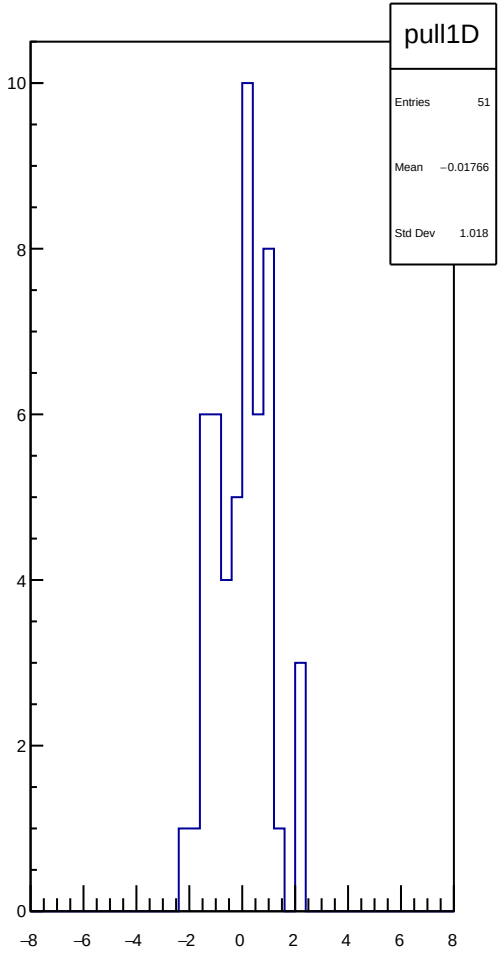

reg_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 3451 / 50
p0 3340 ± 3.367
4200
4000
3800
3600
3400
3200
3000
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
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. 1
5955. 2
5955. 3
5955. 4
5955. 5
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

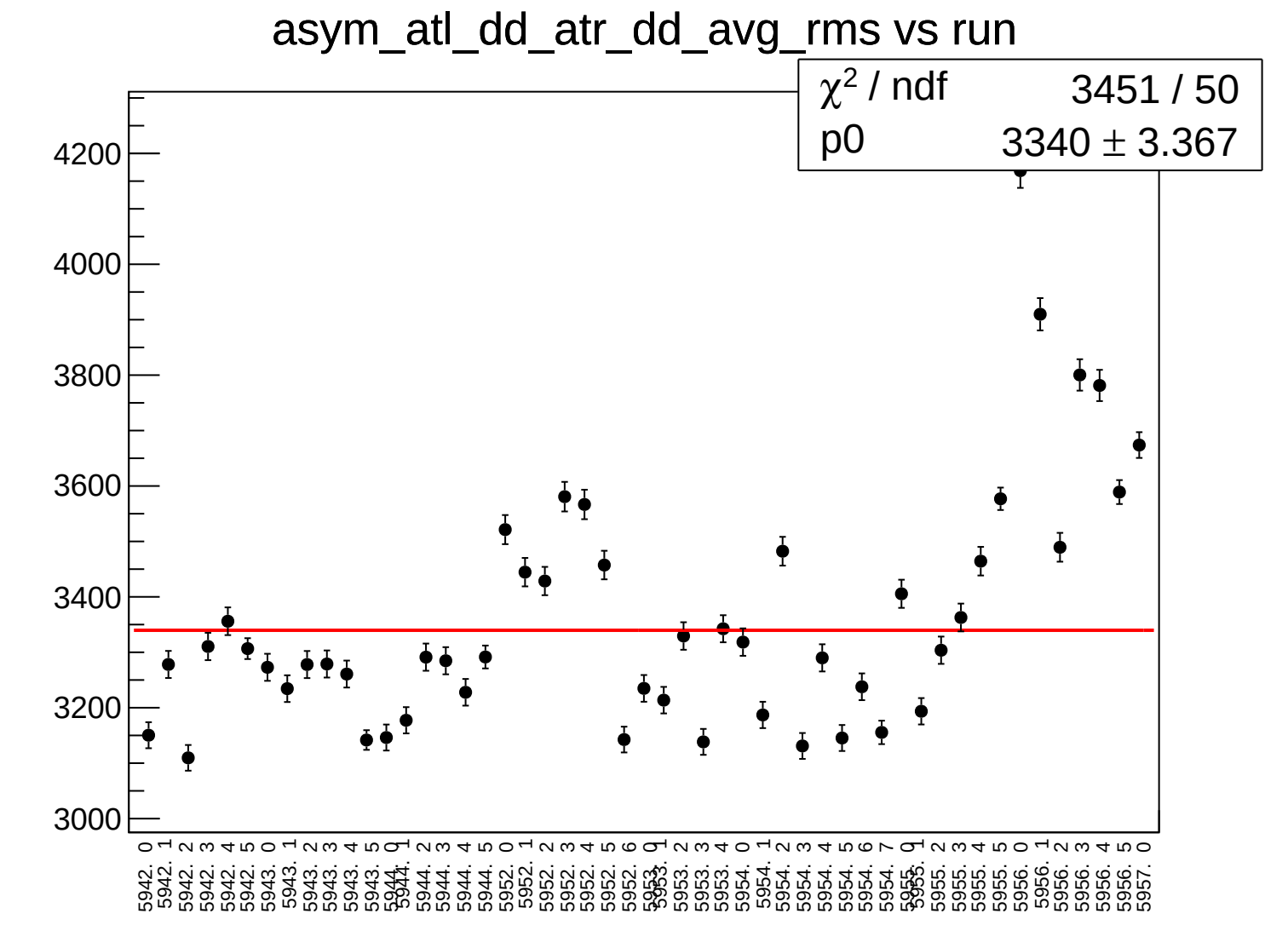

asym_atl_dd_atr_dd_avg_correction_mean vs run
χ² / ndf 0 / 50
p0 0 ± 0.14
1
0.8
0.6
0.4
0.2
0

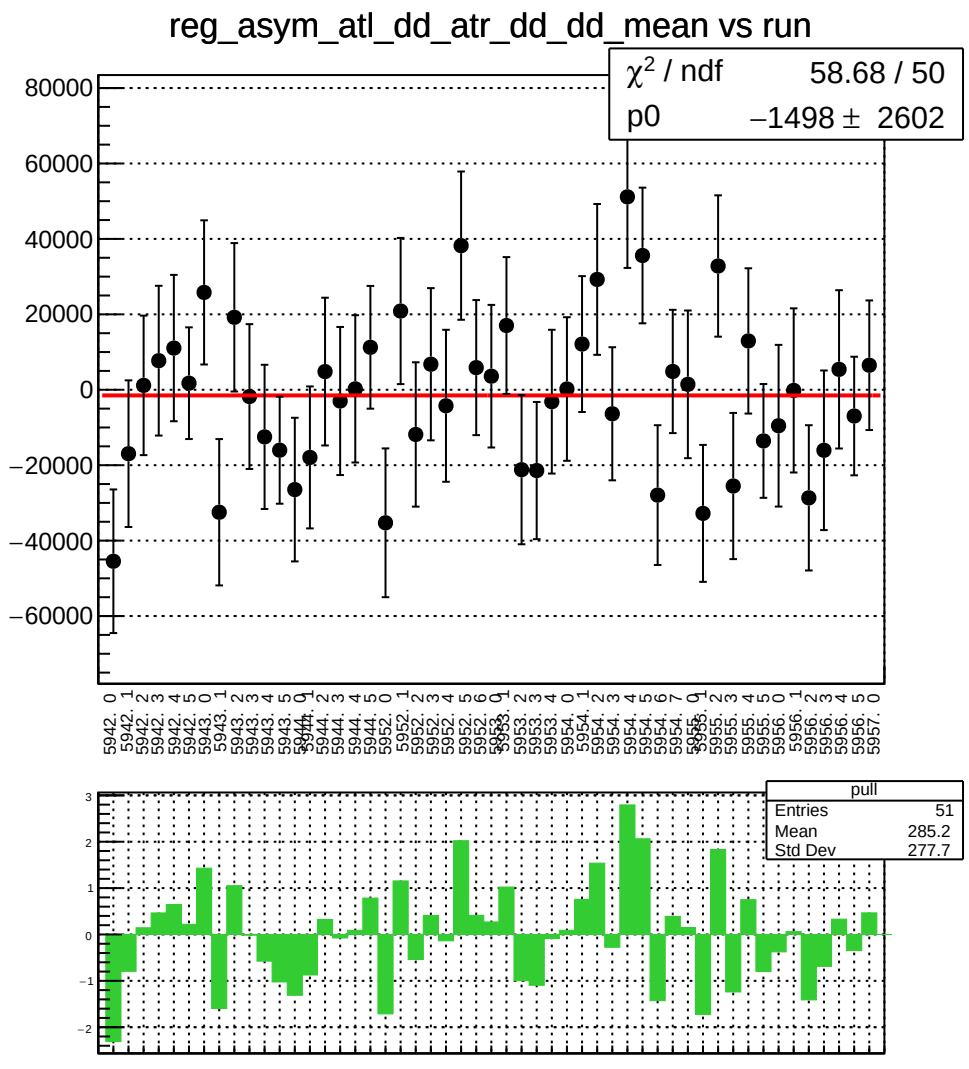

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

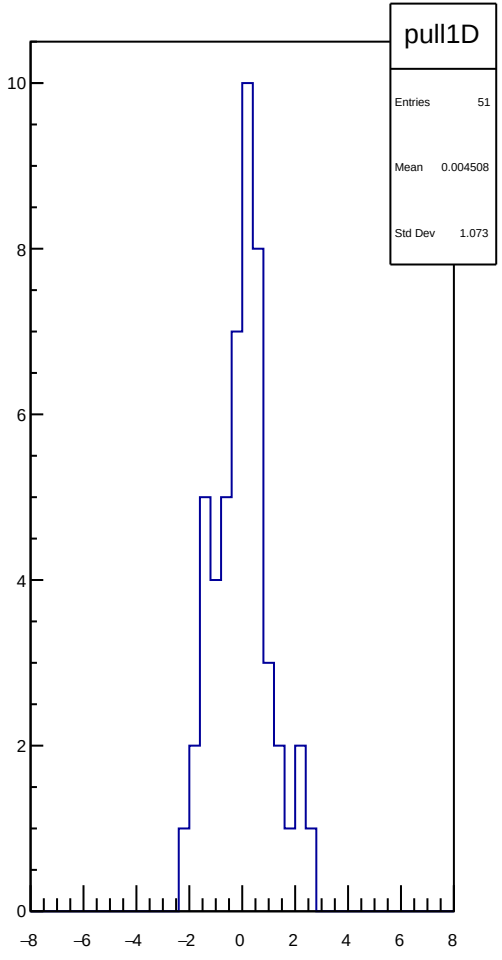

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 0 / 50
p0 0 ± 0.14
1
0.8
0.6
0.4
0.2
0
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
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

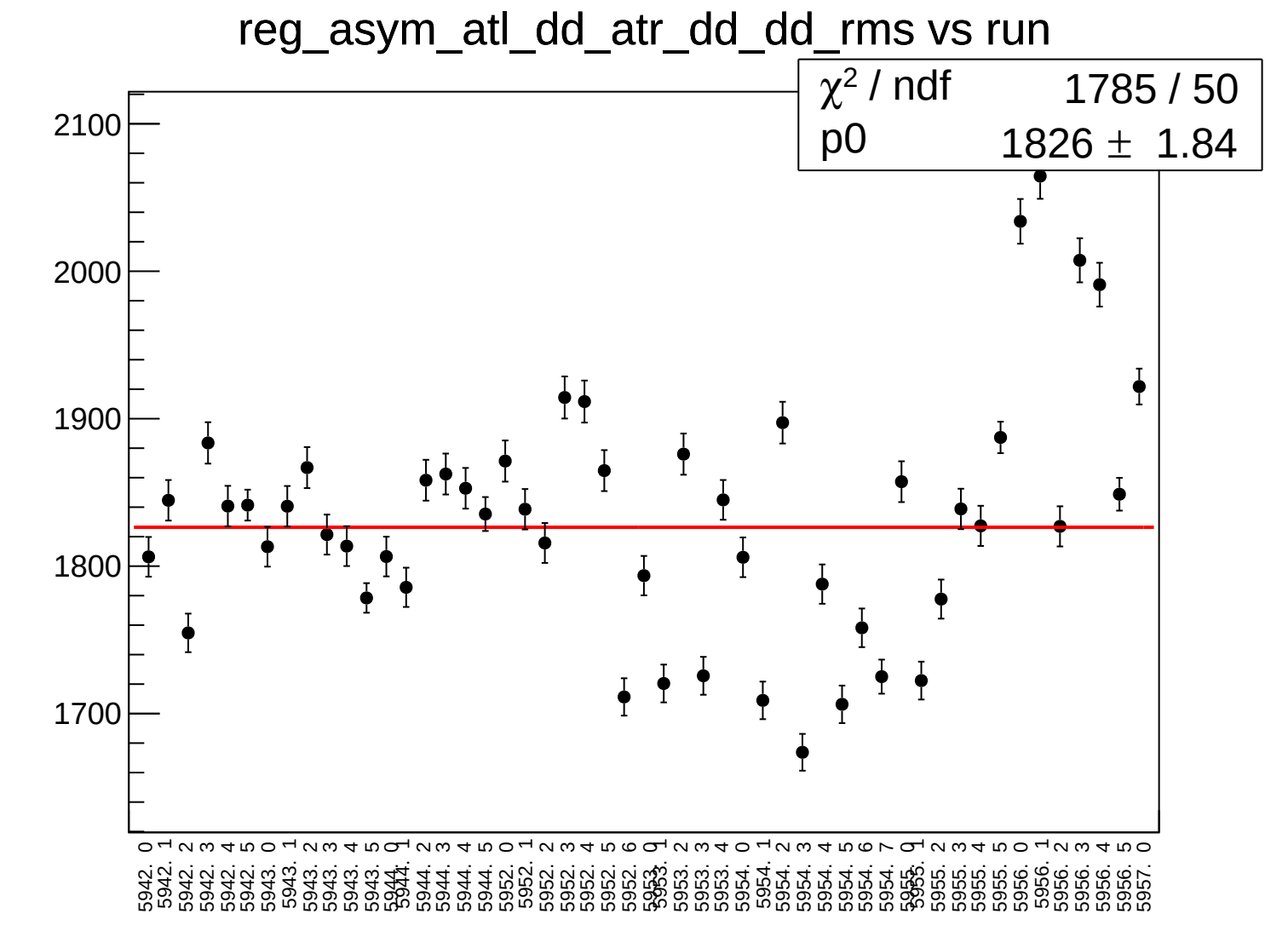

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ^2 / ndf 52.88 / 50
p0 3901 ± 4762
100
50
0
−50
−100
pull
Entries 51
Mean 176
Std Dev 150.5
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

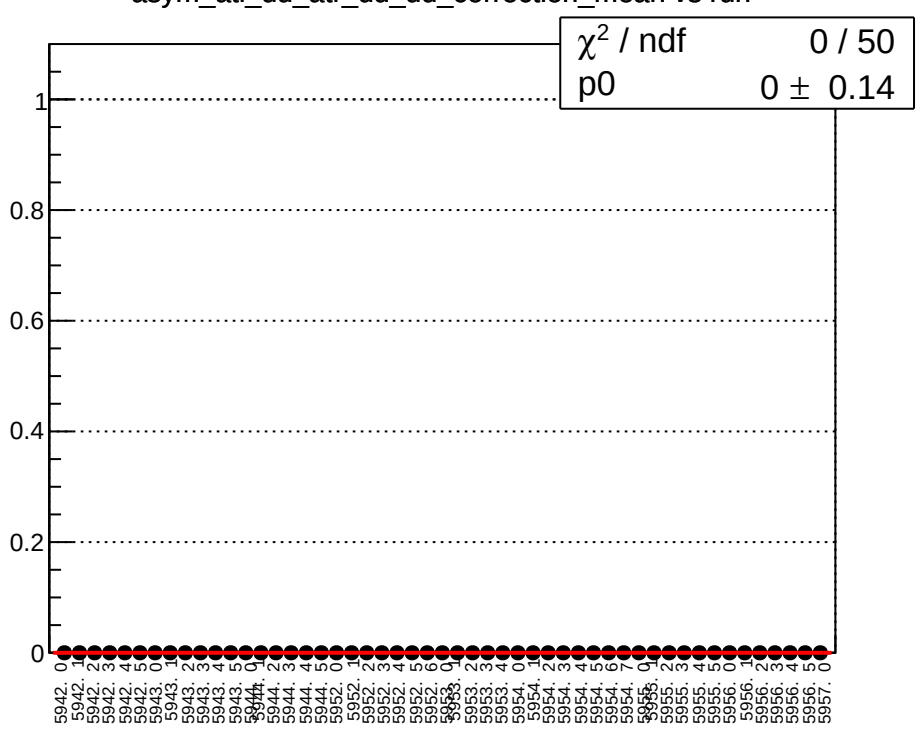

pull1D
Entries 51
Mean −0.01766
Std Dev 1.018
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

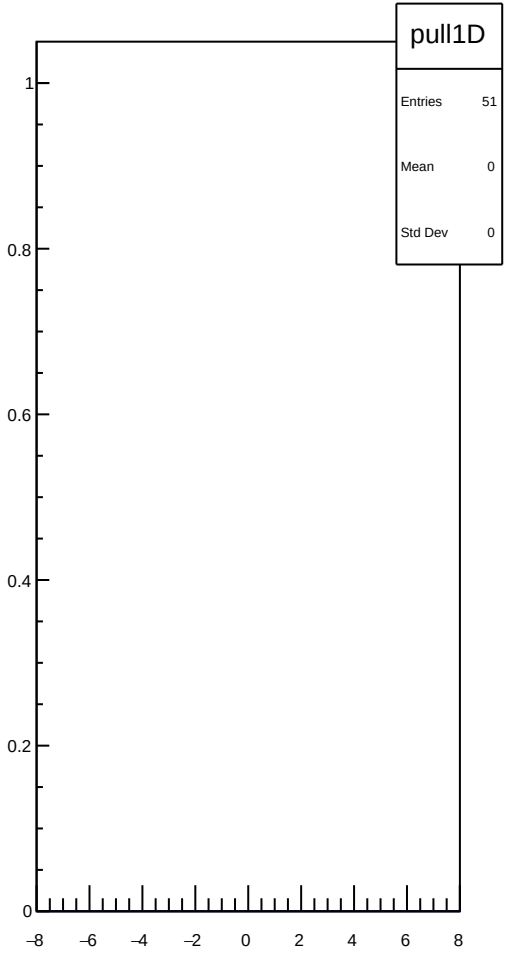

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 3451 / 50
p0 3340 ± 3.367
4200
4000
3800
3600
3400
3200
3000
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 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

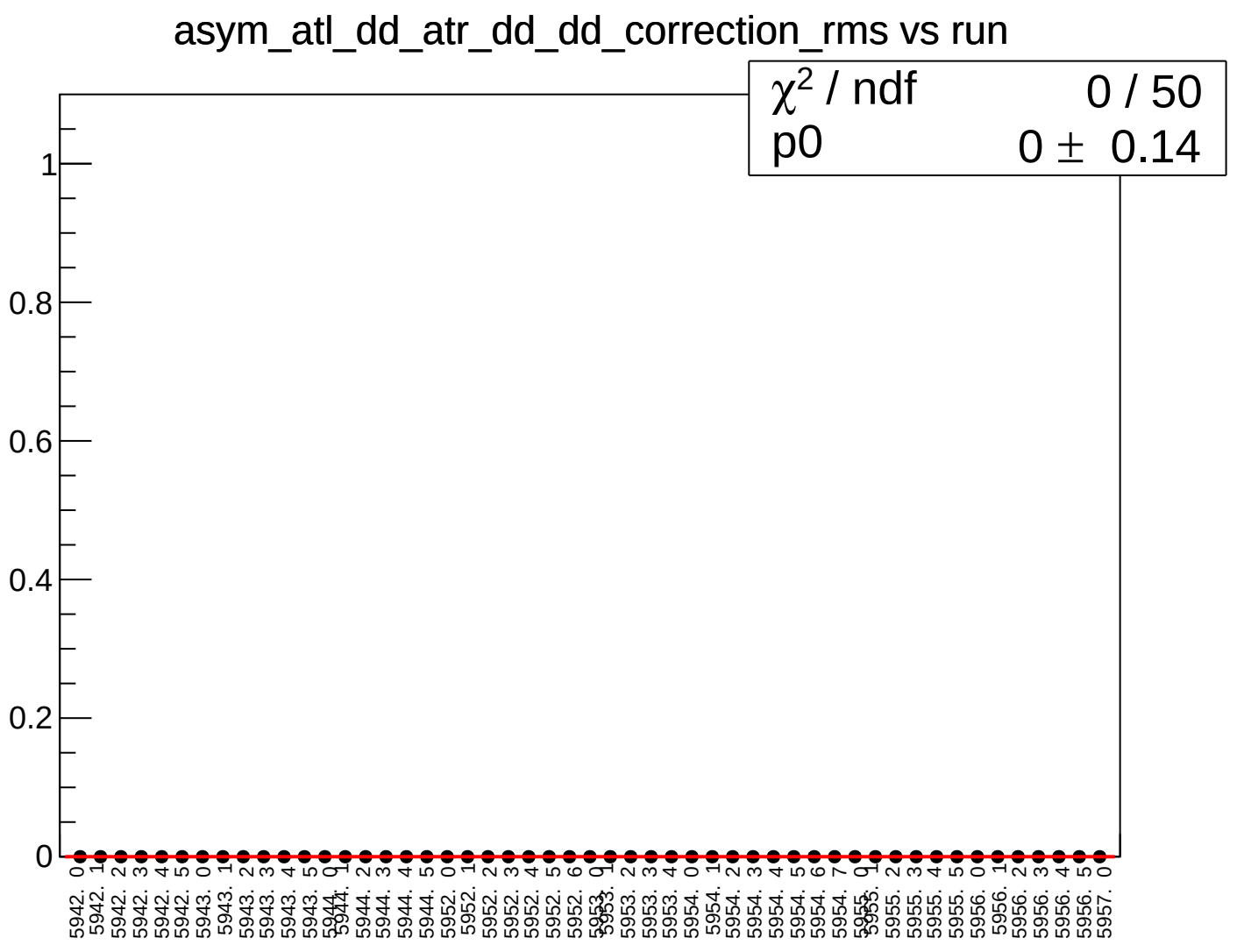

reg_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 58.68 / 50
p0 −1498 ± 2602
pull
Entries 51
Mean 285.2
Std Dev 277.7

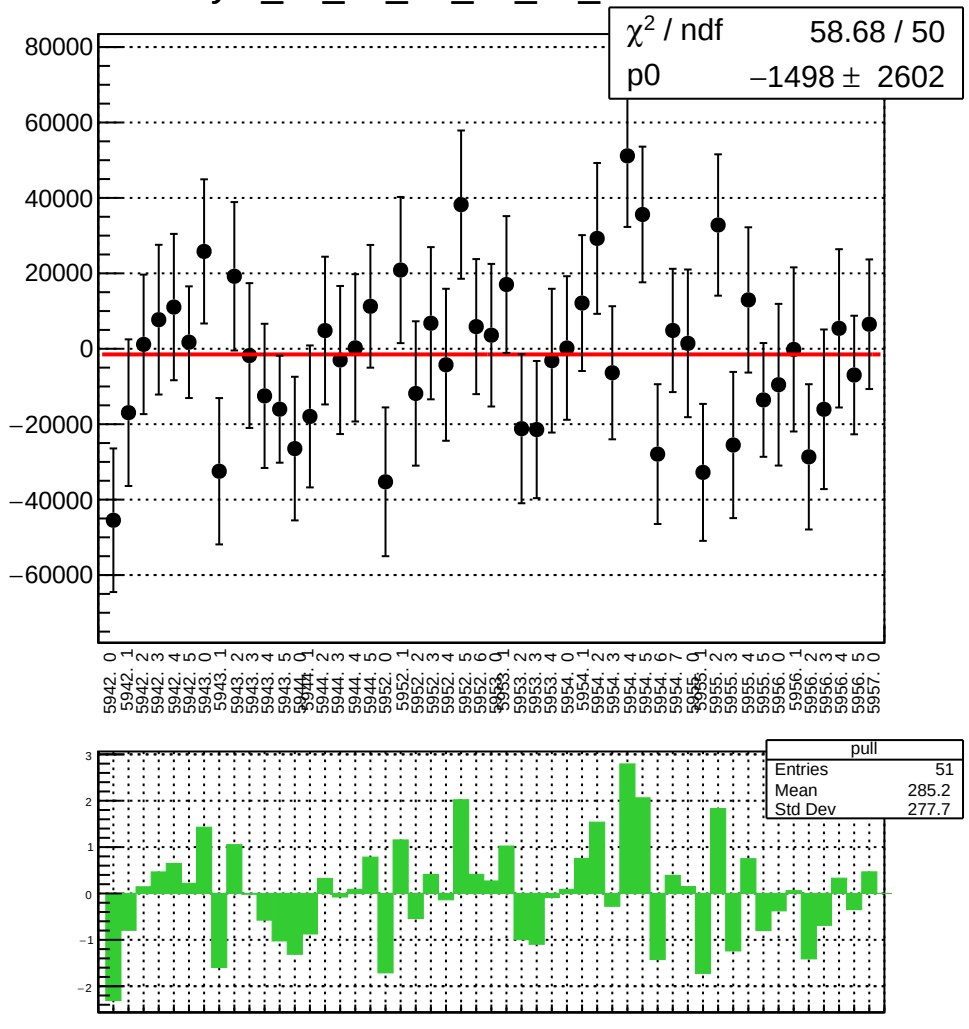

pull1D
Entries 51
Mean 0.004508
Std Dev 1.073

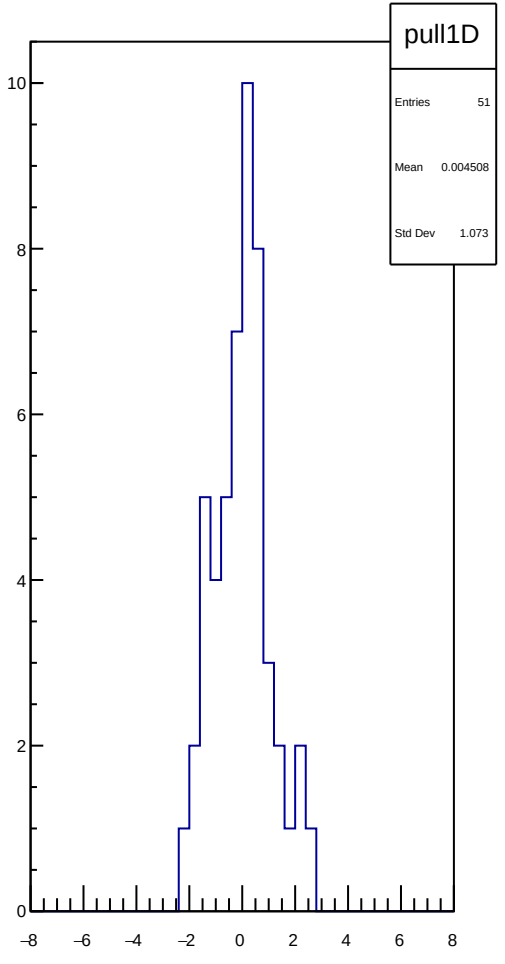

reg_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1785 / 50
p0 1826 ± 1.84
2100
2000
1900
1800
1700
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 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

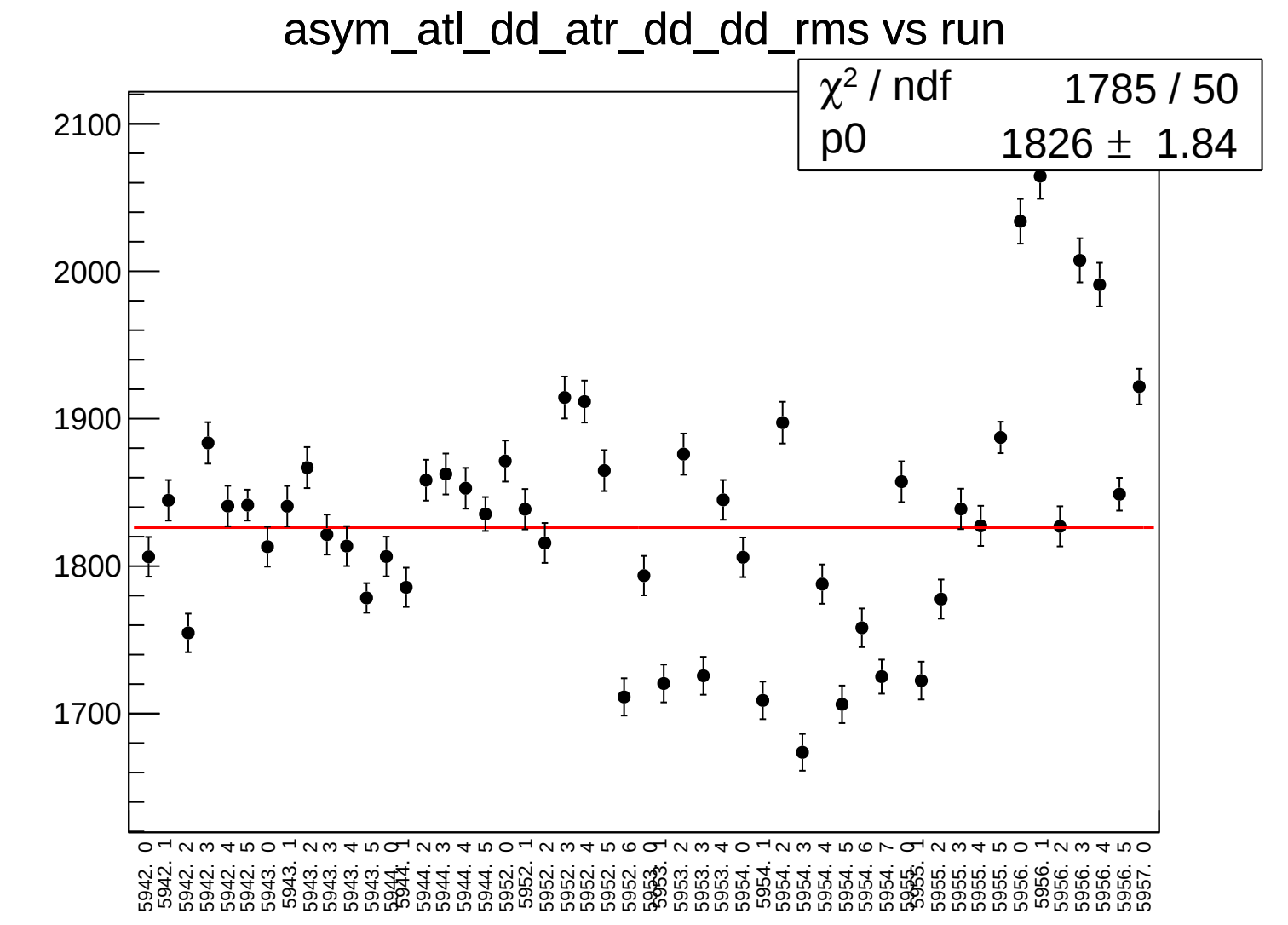

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 0 / 50
p0 0 ± 0.14
1
0.8
0.6
0.4
0.2
0

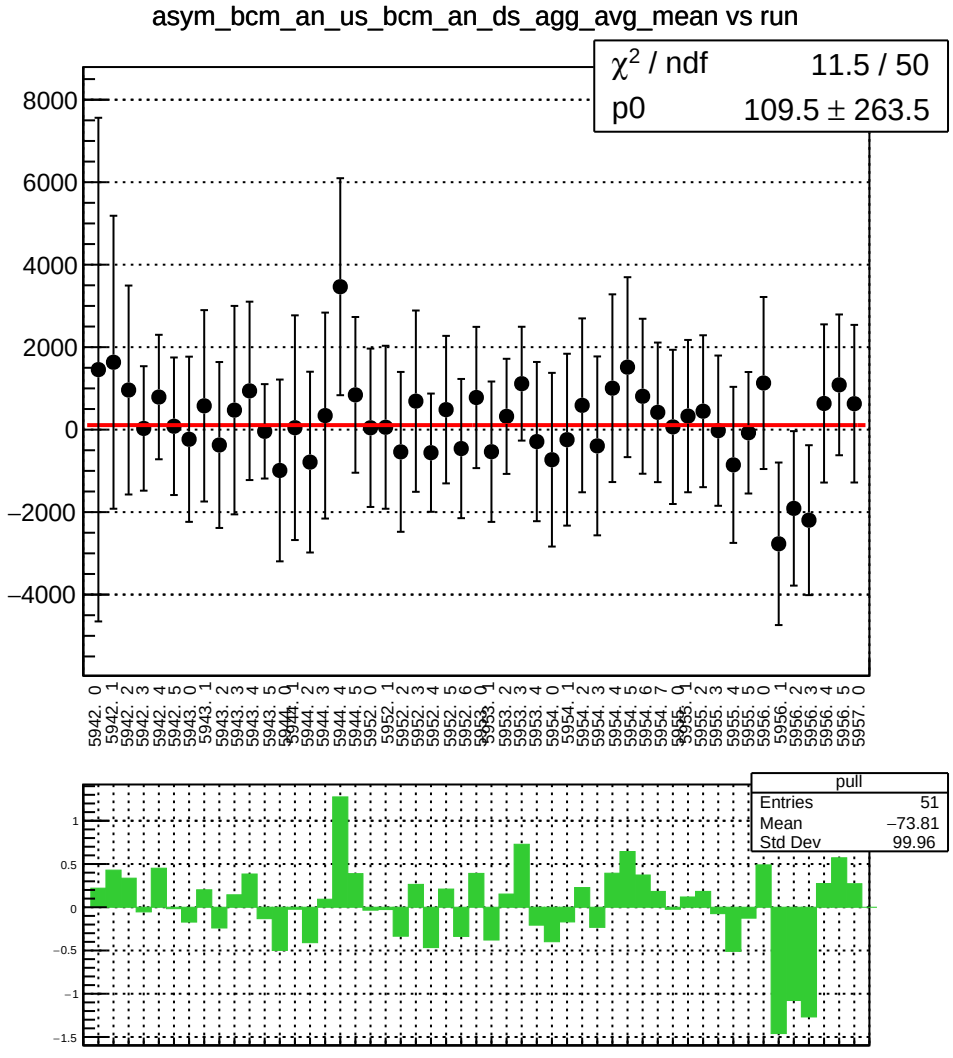

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

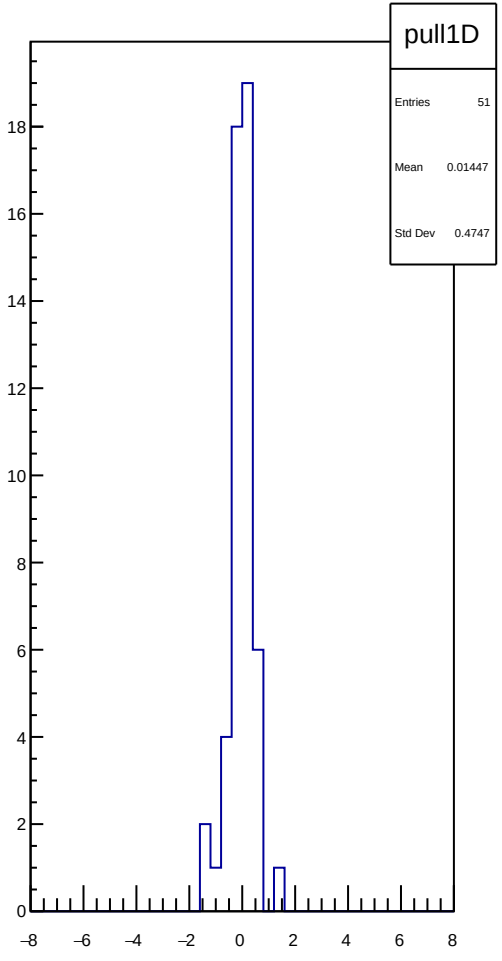

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 0 / 50
p0 0 ± 0.14
1
0.8
0.6
0.4
0.2
0
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 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

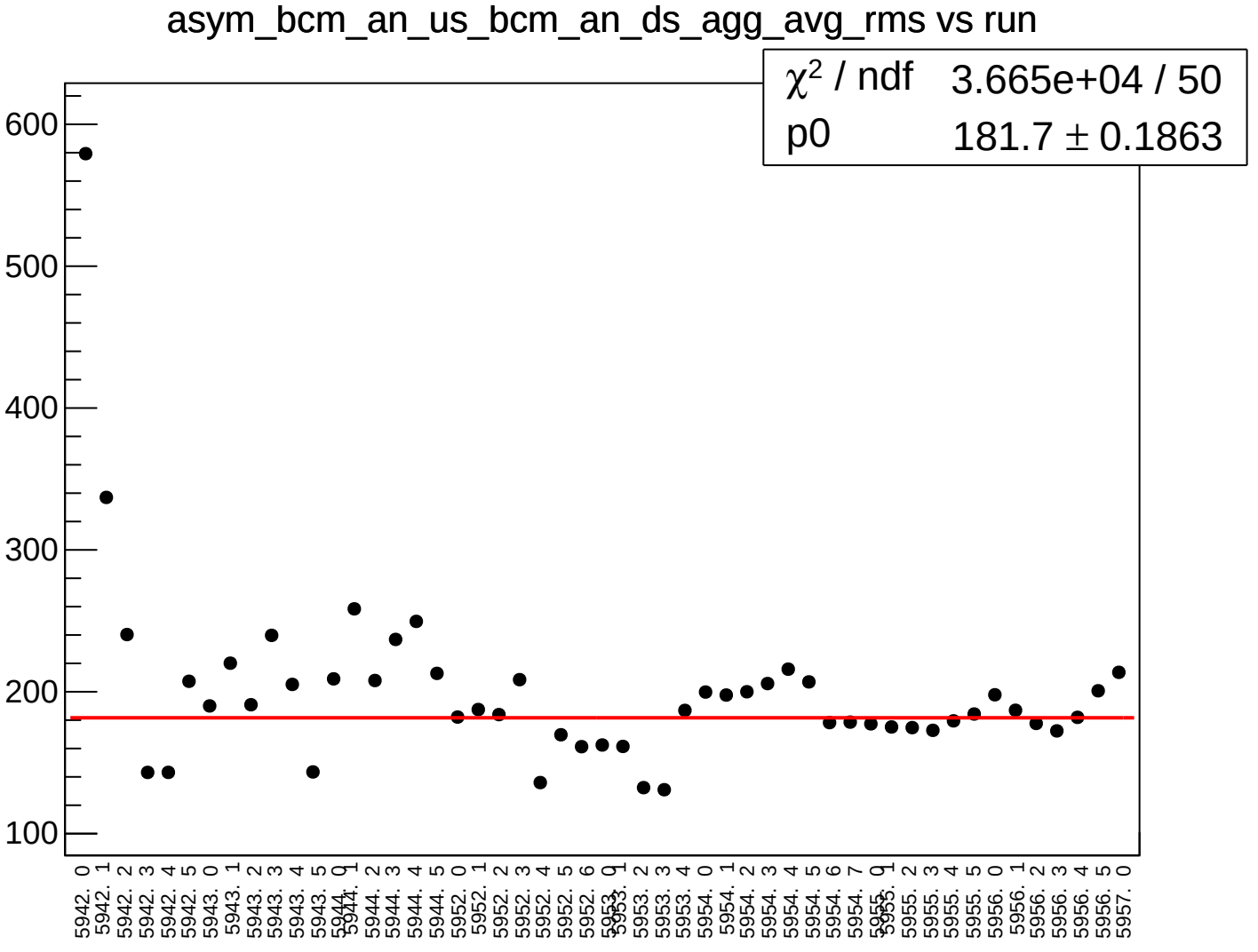

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 58.68 / 50
p0 −1498 ± 2602
pull
Entries 51
Mean 285.2
Std Dev 277.7

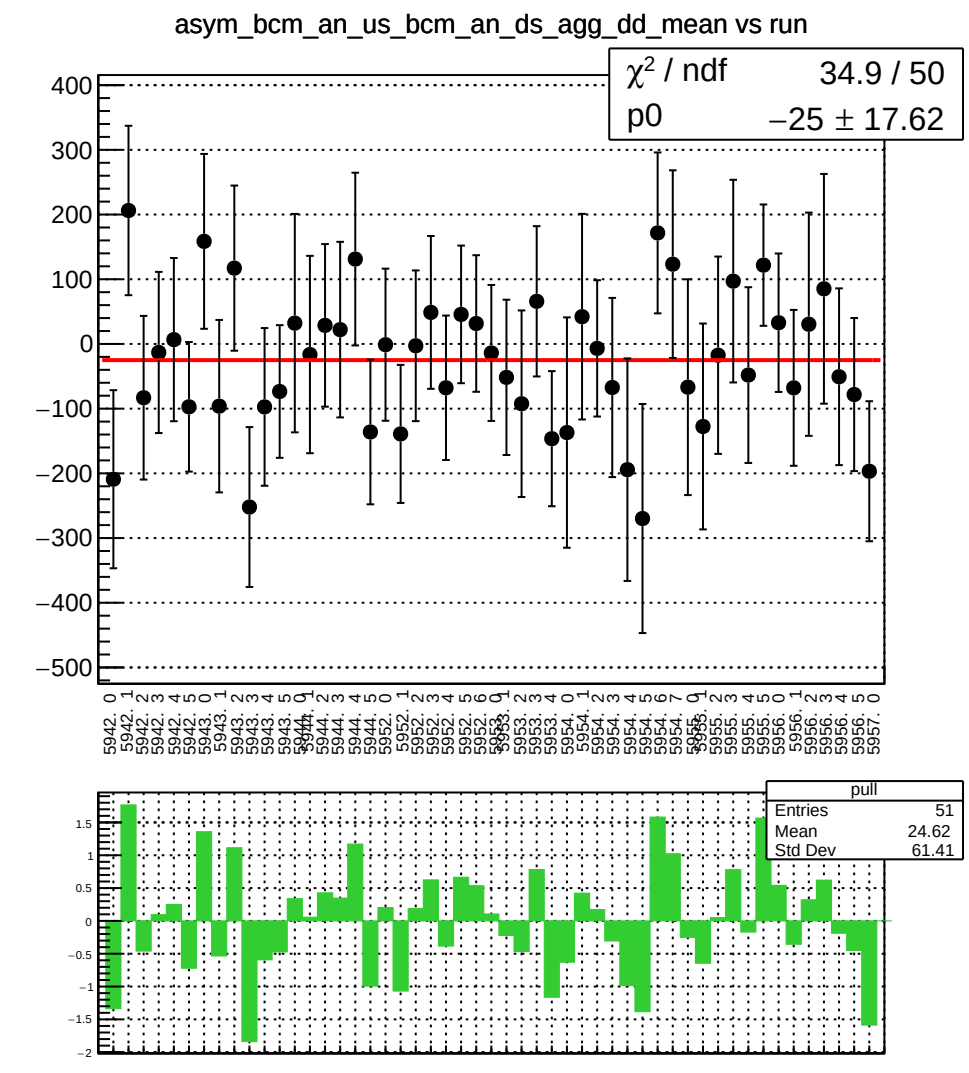

pull1D
Entries 51
Mean 0.004508
Std Dev 1.073

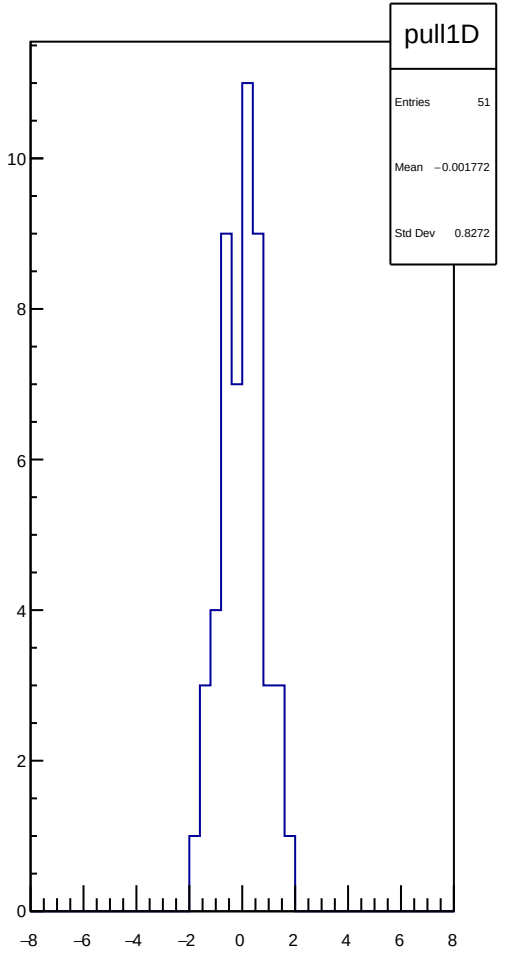

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1785 / 50
p0 1826 ± 1.84
2100
2000
1900
1800
1700
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 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

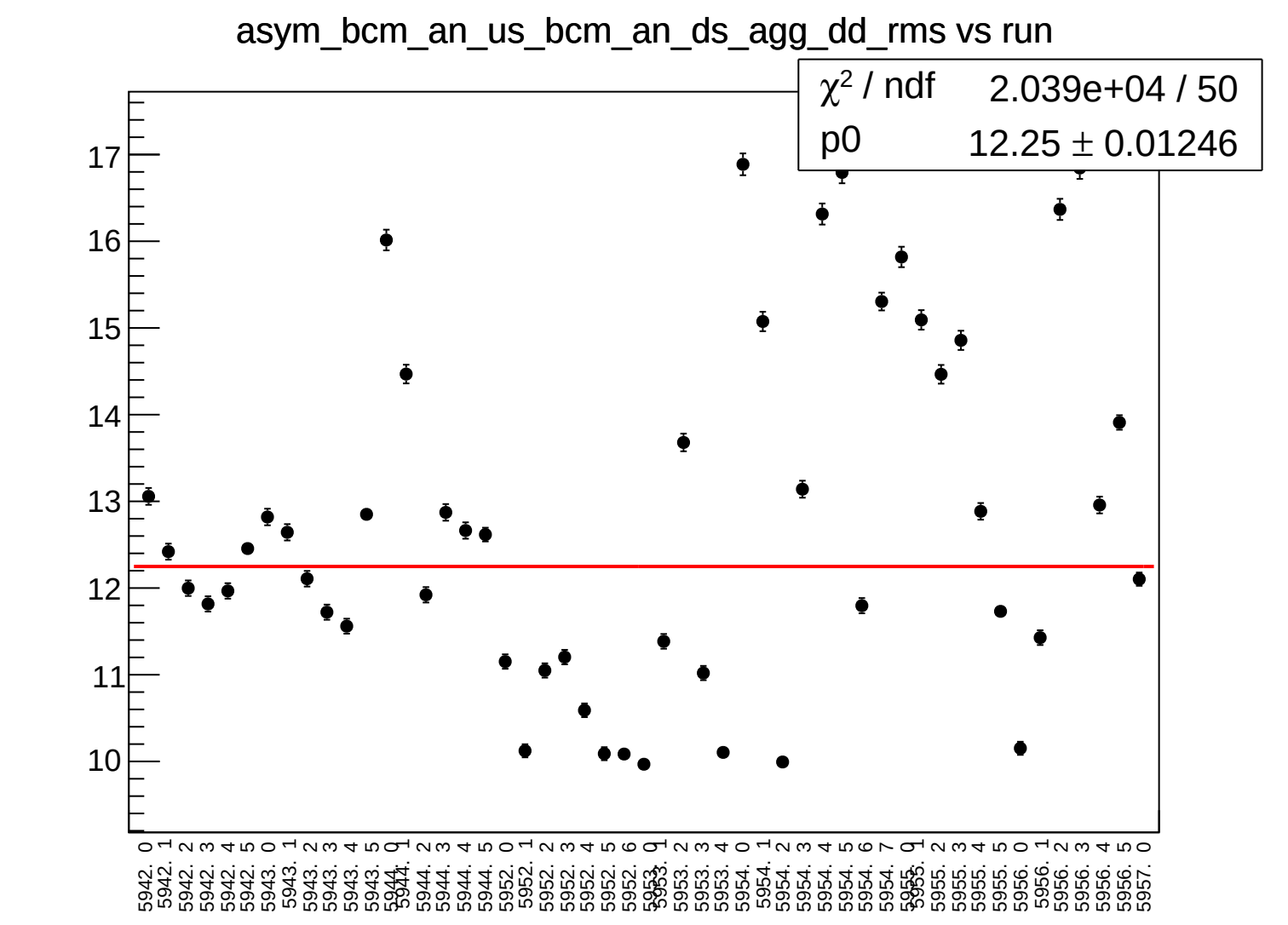

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 11.5 / 50
p0 109.5 ± 263.5
pull
Entries 51
Mean −73.81
Std Dev 99.96

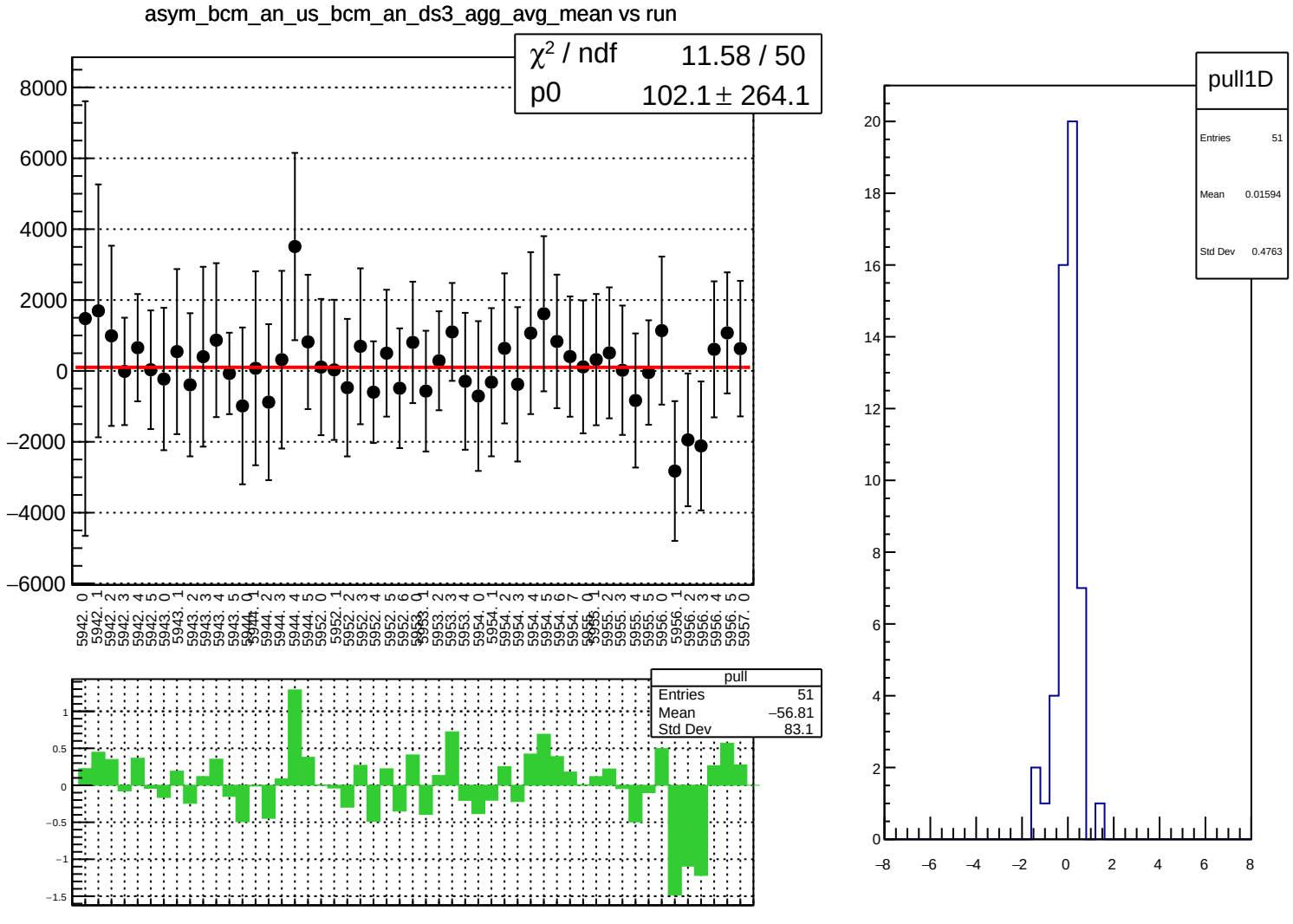

pull1D
Entries 51
Mean 0.01447
Std Dev 0.4747

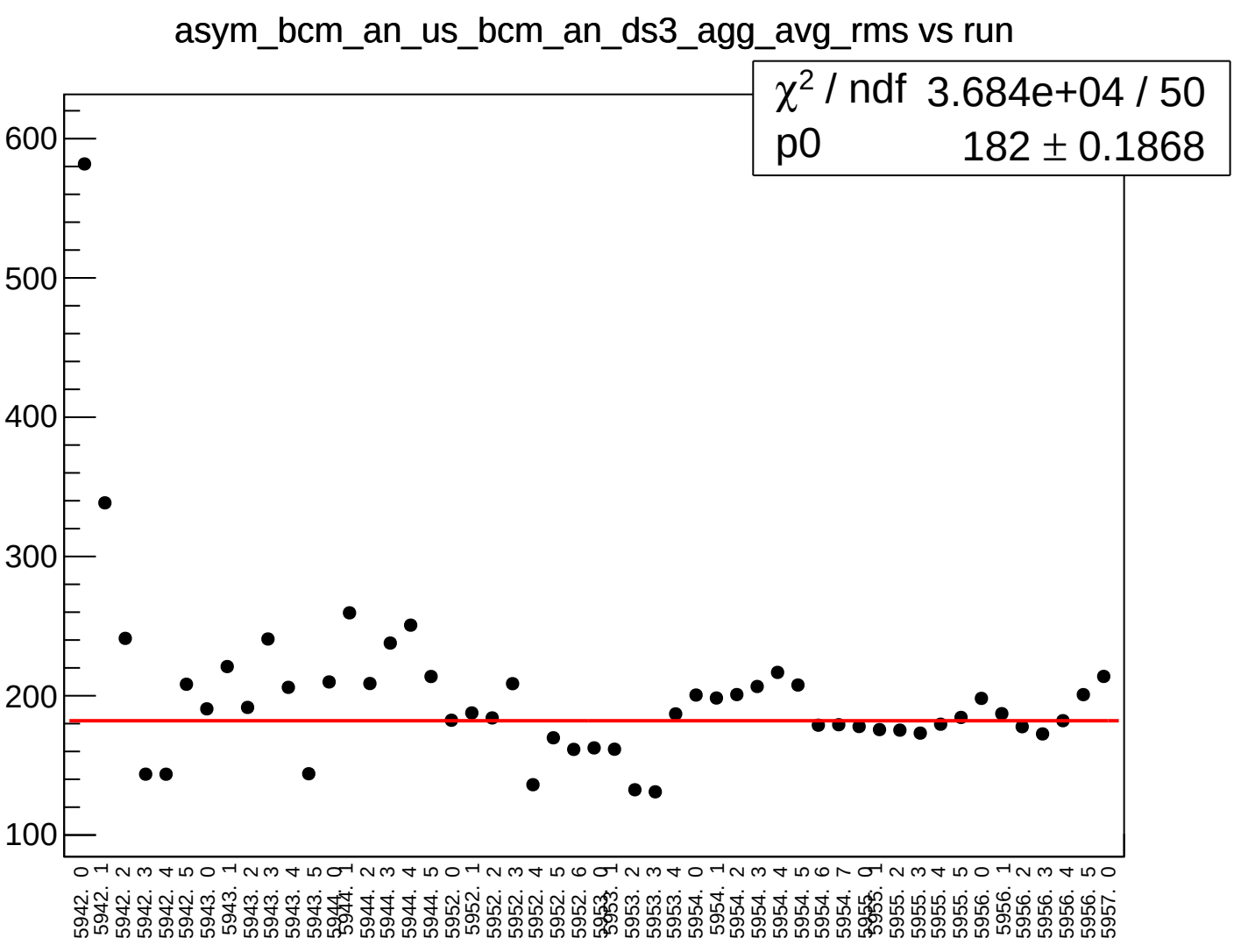

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 3.665e+04 / 50
p0 181.7 ± 0.1863
600
500
400
300
200
100
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
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

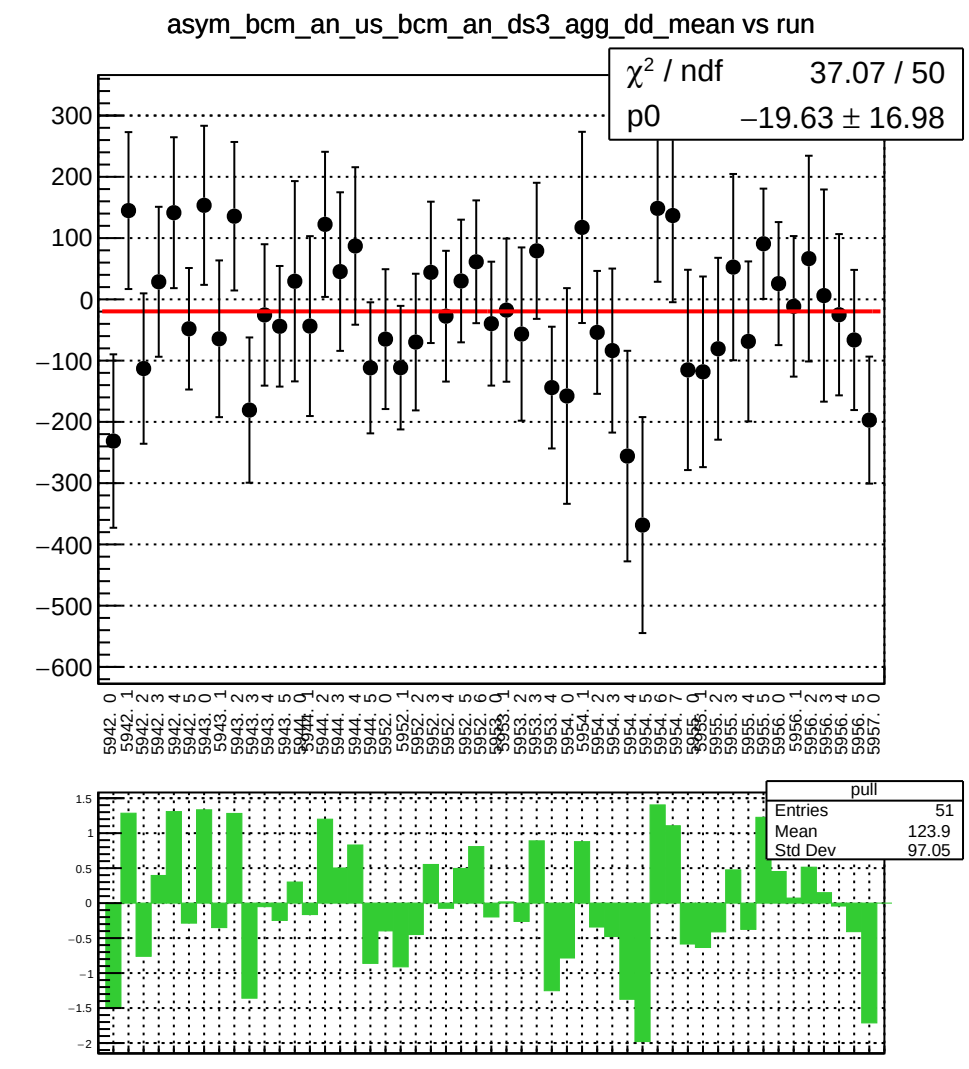

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 34.9 / 50
p0 −25 ± 17.62
pull
Entries 51
Mean 24.62
Std Dev 61.41

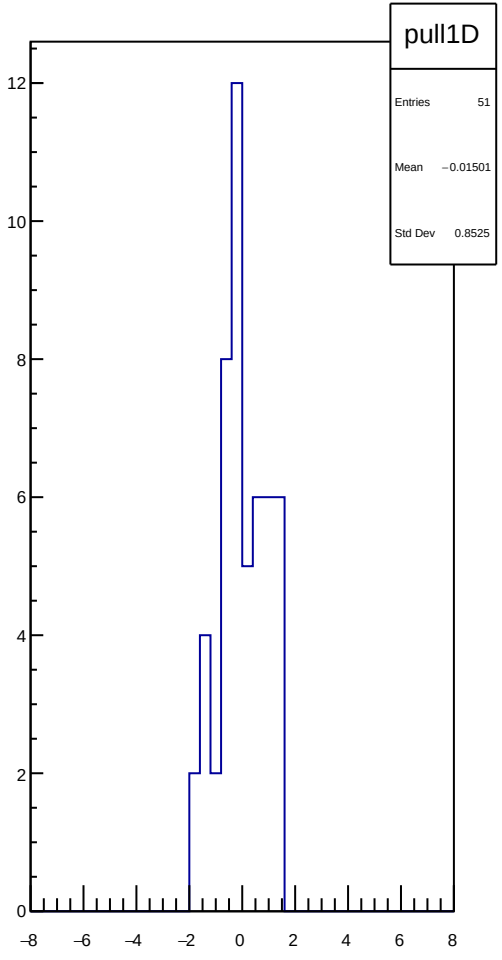

pull1D
Entries 51
Mean −0.001772
Std Dev 0.8272

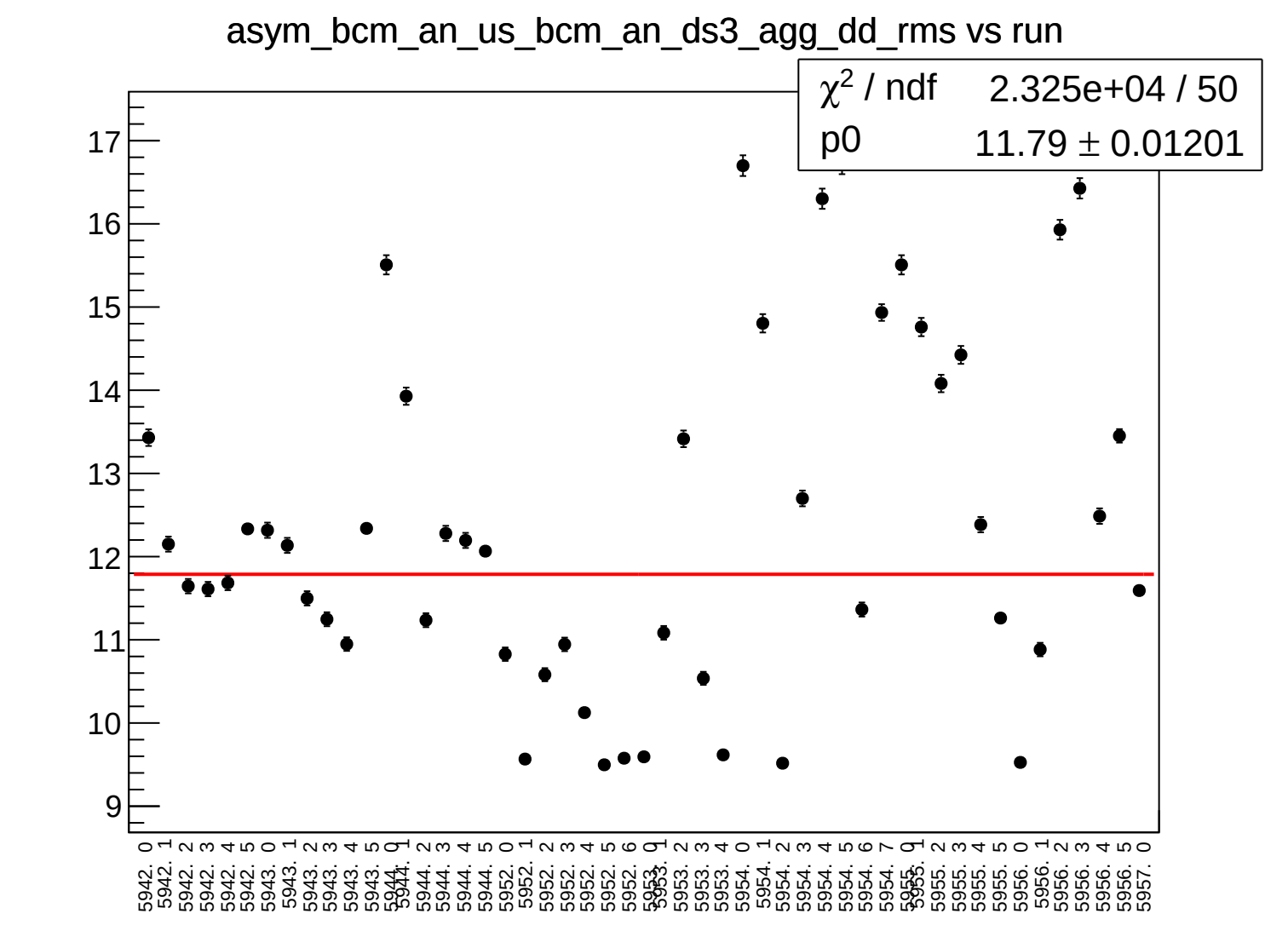

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 2.039e+04 / 50
p0 12.25 ± 0.01246
17
16
15
14
13
12
11
10
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
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

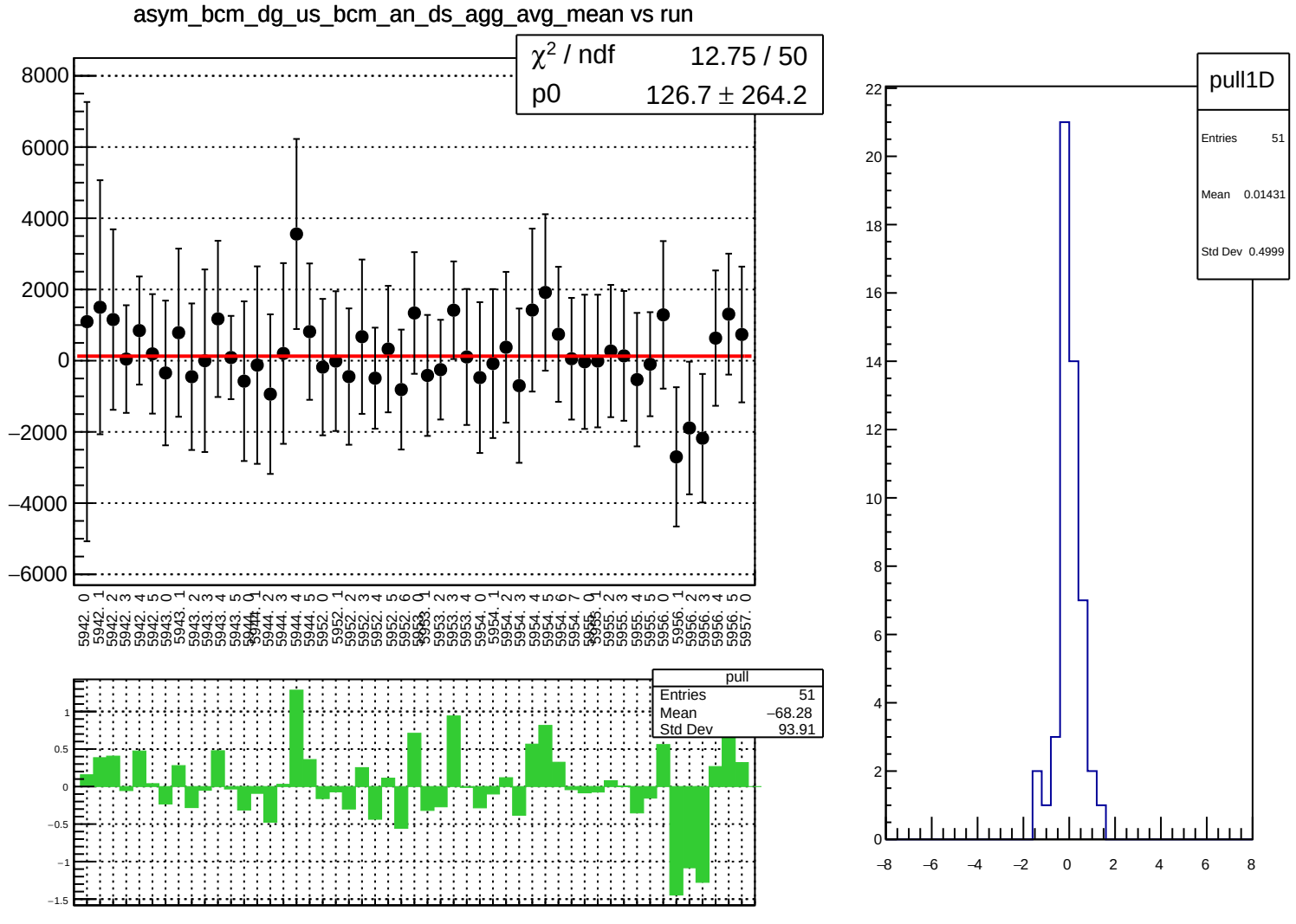

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs run
χ² / ndf 11.58 / 50
p0 102.1 ± 264.1
pull
Entries 51
Mean −56.81
Std Dev 83.1
pull1D
Entries 51
Mean 0.01594
Std Dev 0.4763

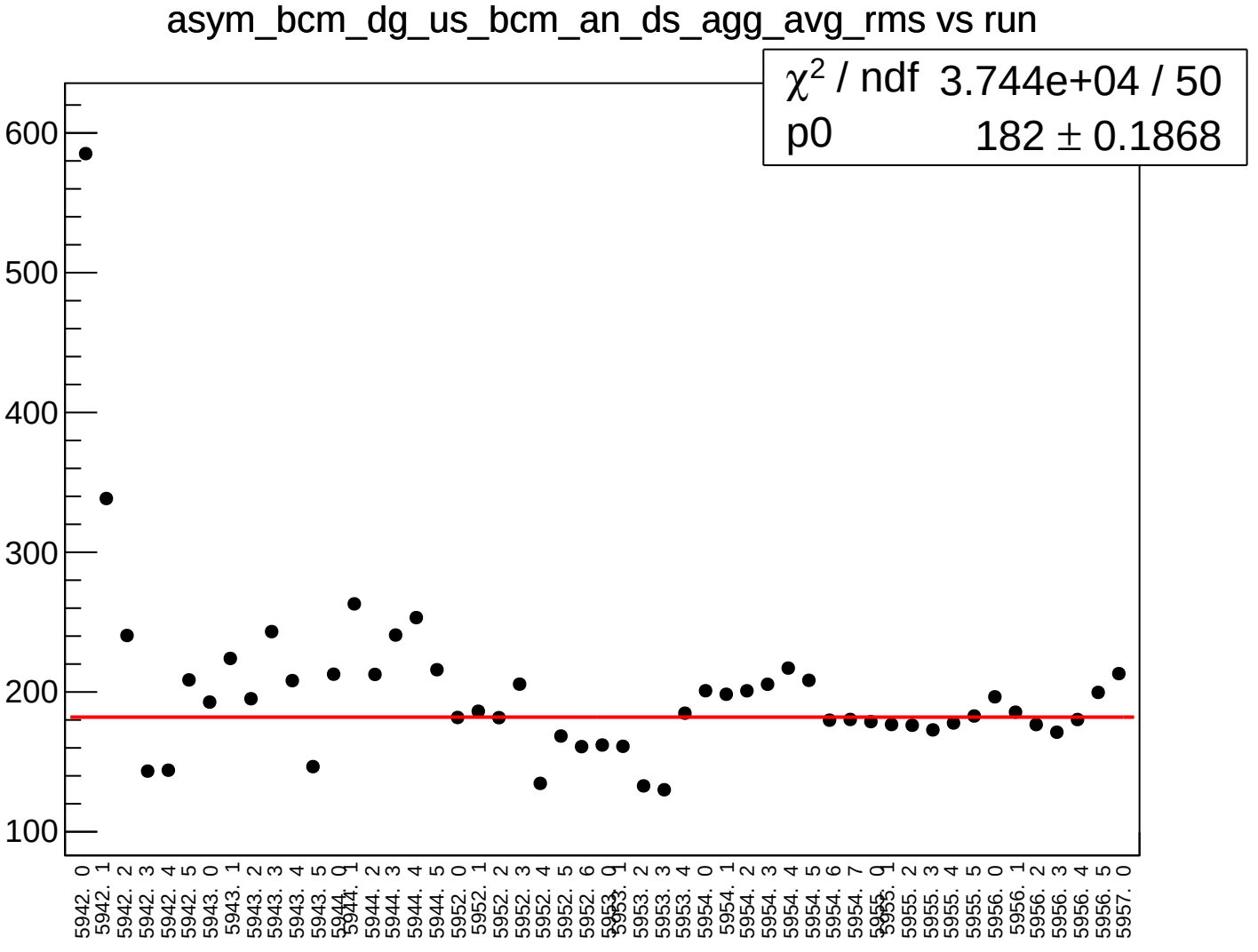

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs run
χ² / ndf 3.684e+04 / 50
p0 182 ± 0.1868
600
500
400
300
200
100
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
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

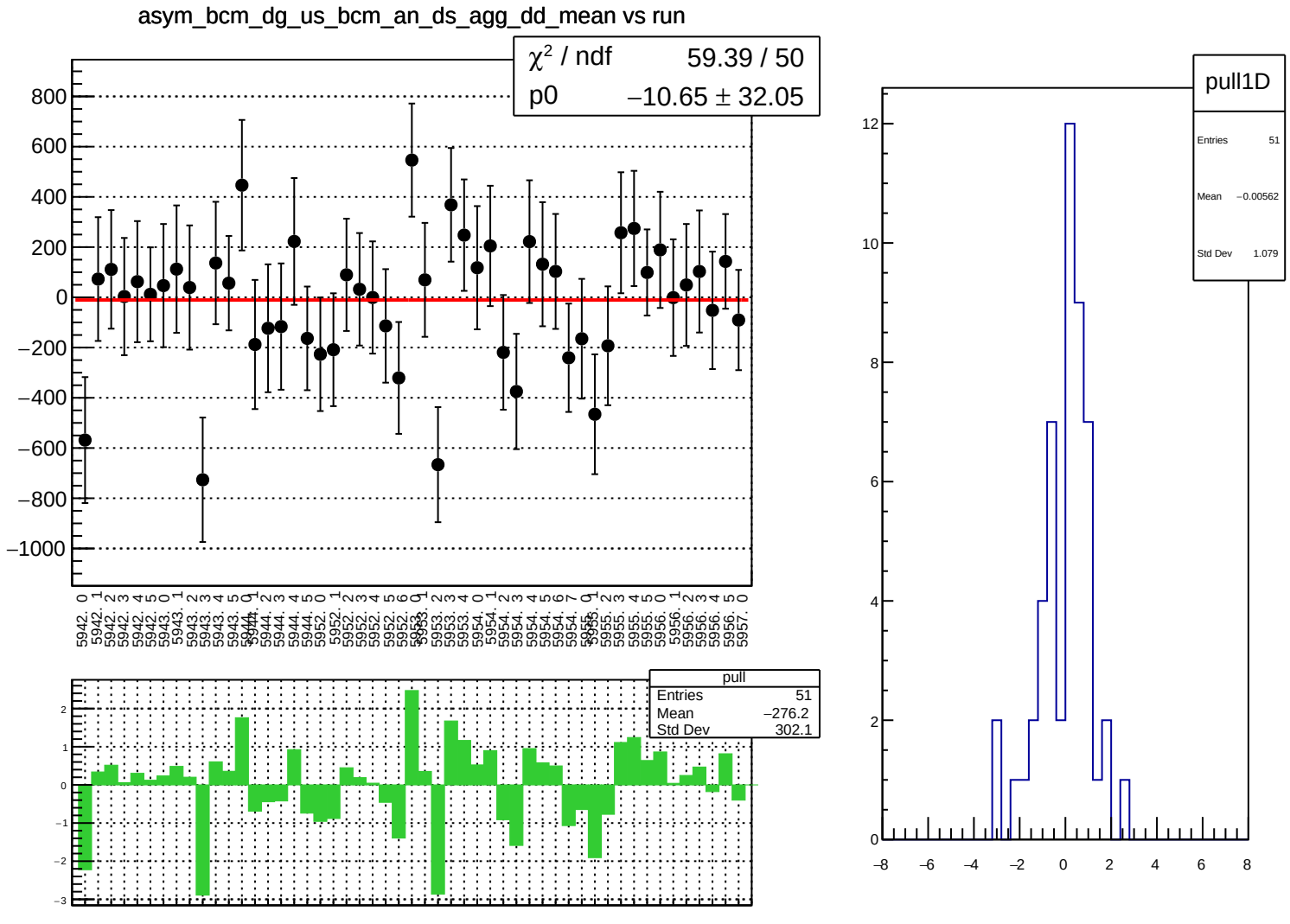

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs run
χ² / ndf 37.07 / 50
p0 −19.63 ± 16.98
pull
Entries 51
Mean 123.9
Std Dev 97.05

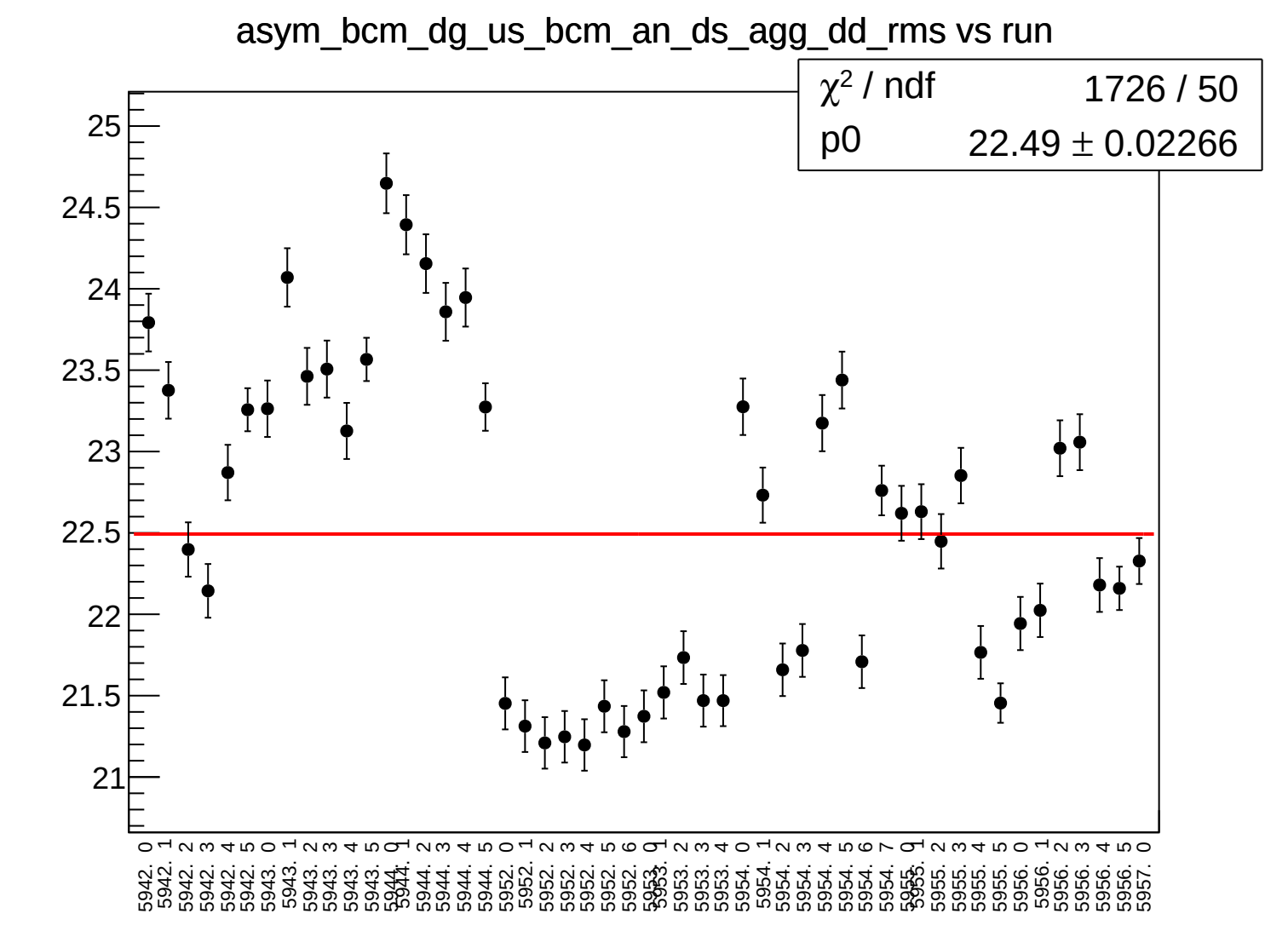

pull1D
Entries 51
Mean −0.01501
Std Dev 0.8525

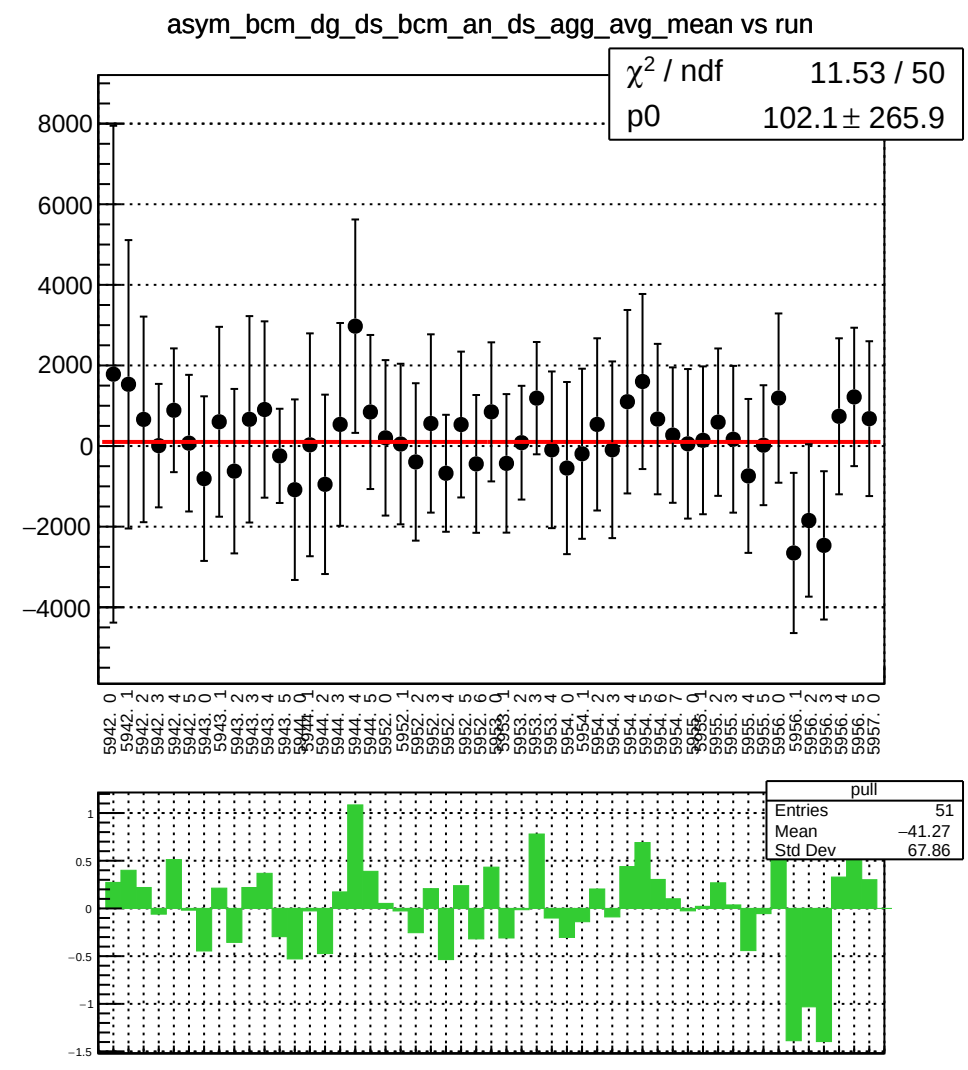

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs run
χ² / ndf 2.325e+04 / 50
p0 11.79 ± 0.01201
17
16
15
14
13
12
11
10
9
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
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. 1
5955. 2
5955. 3
5955. 4
5955. 5
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

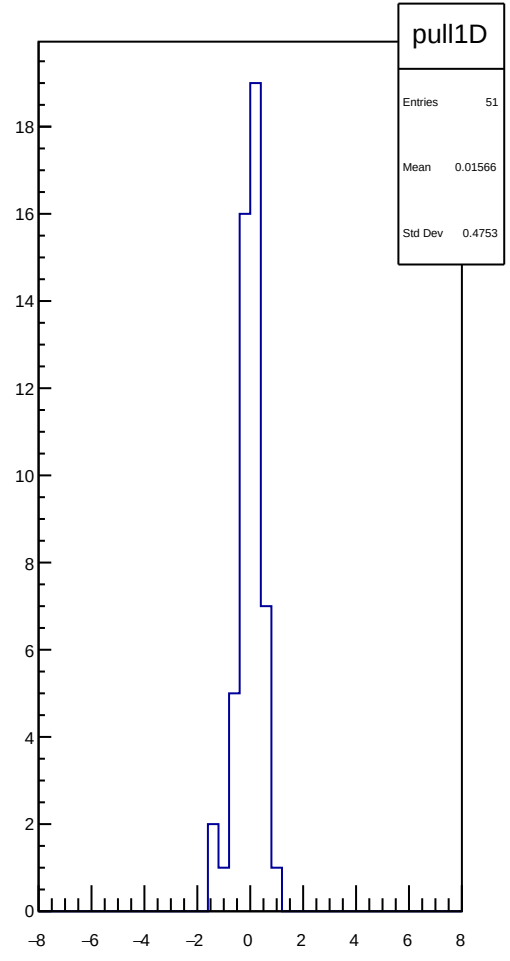

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 12.75 / 50
p0 126.7 ± 264.2
pull
Entries 51
Mean −68.28
Std Dev 93.91
pull1D
Entries 51
Mean 0.01431
Std Dev 0.4999

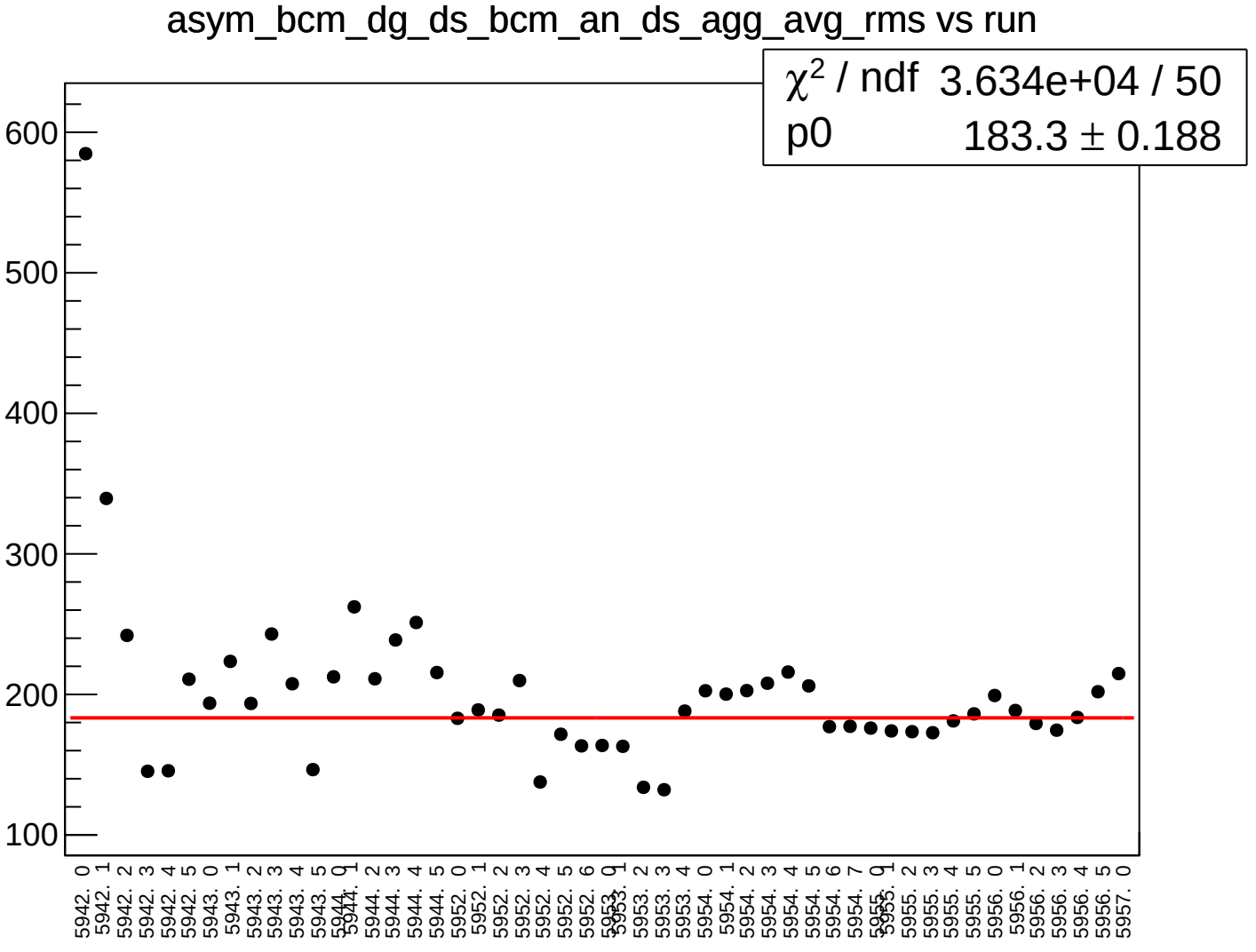

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 3.744e+04 / 50
p0 182 ± 0.1868
600
500
400
300
200
100
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 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

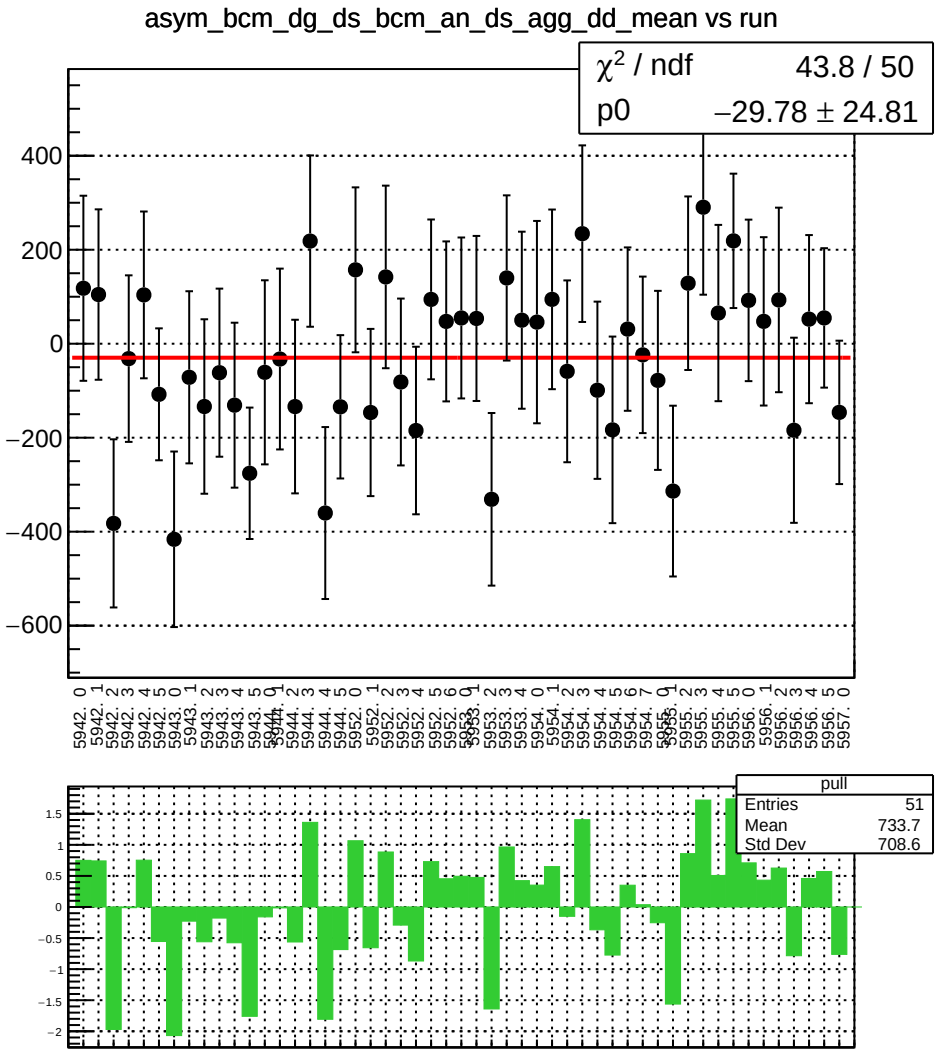

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 59.39 / 50
p0 −10.65 ± 32.05
pull
Entries 51
Mean −276.2
Std Dev 302.1
pull1D
Entries 51
Mean −0.00562
Std Dev 1.079

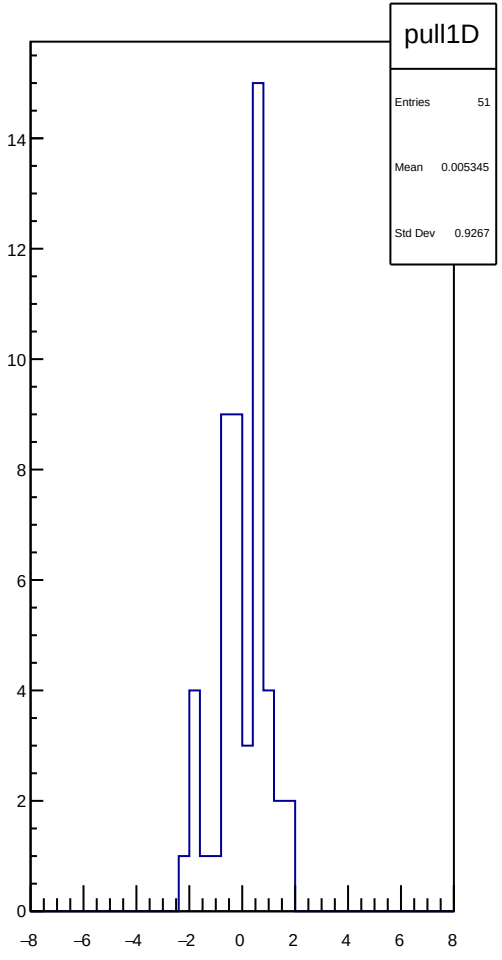

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 1726 / 50
p0 22.49 ± 0.02266
25
24.5
24
23.5
23
22.5
22
21.5
21
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 3
5954. 4
5954. 5
5954. 6
5954. 7
5955. 2
5955. 3
5955. 4
5955. 5
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

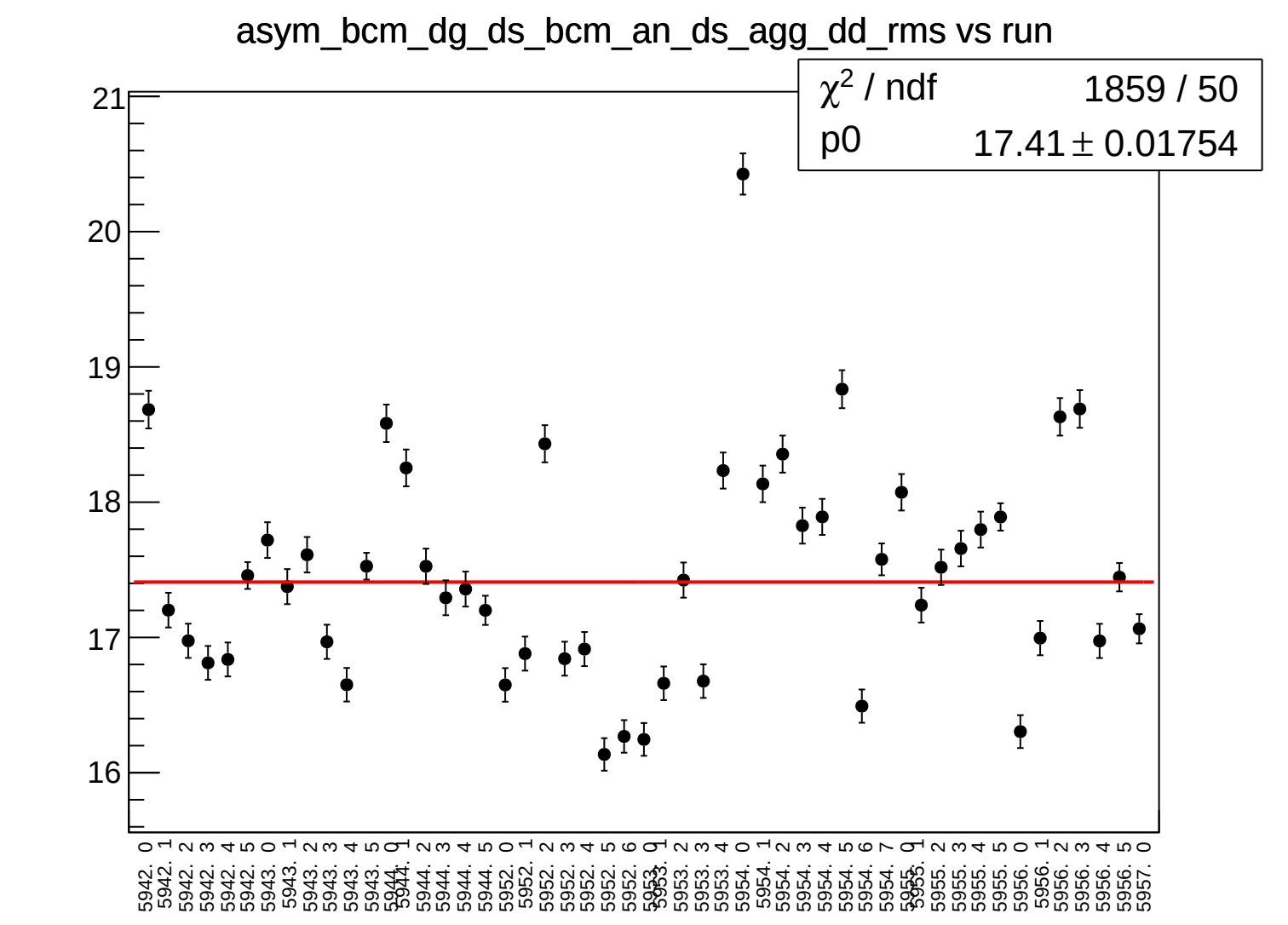

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 11.53 / 50
p0 102.1 ± 265.9
8000
6000
4000
2000
0
−2000
−4000
pull
Entries 51
Mean −41.27
Std Dev 67.86
1
0.5
0
−0.5
−1
−1.5

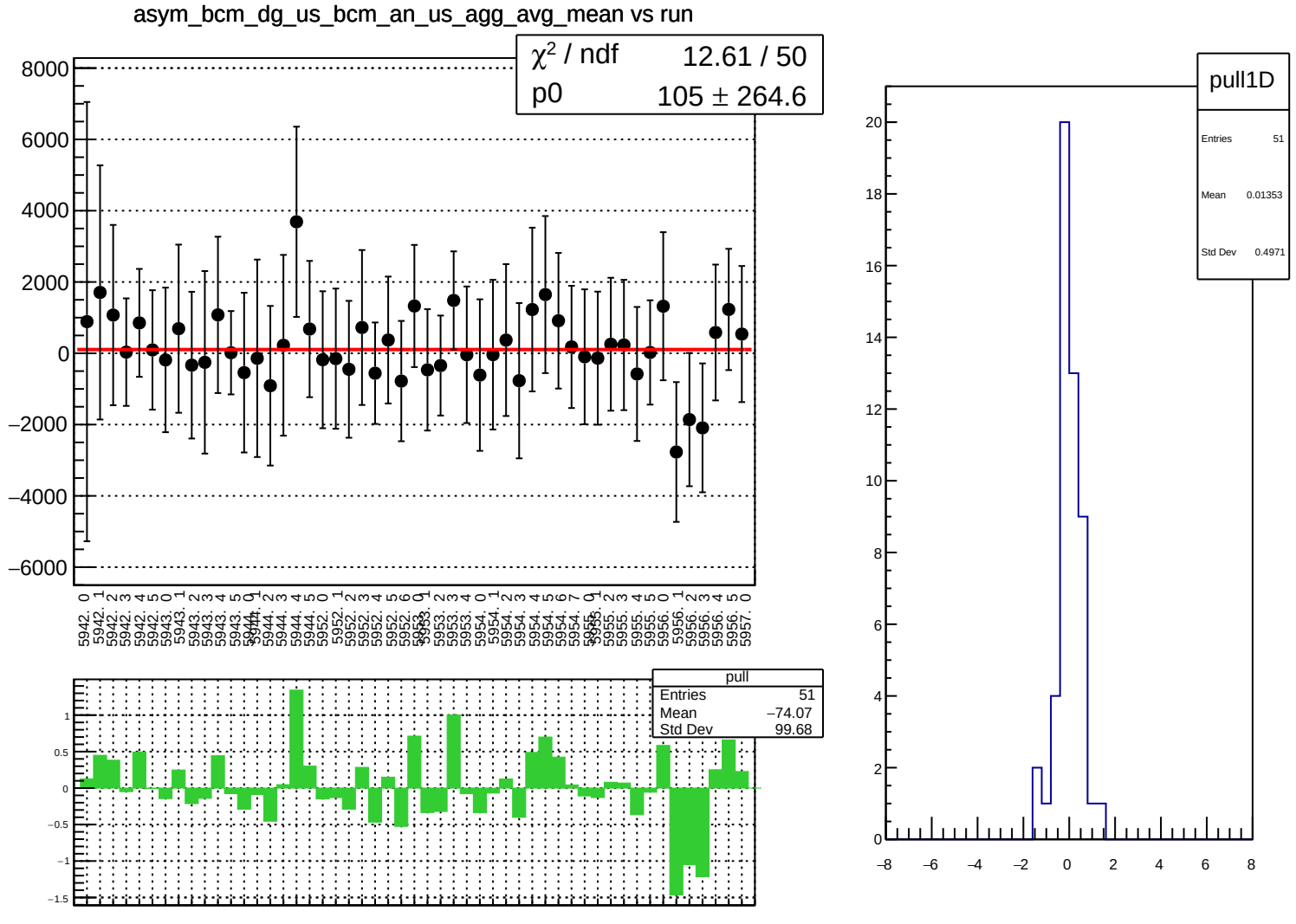

pull1D
Entries 51
Mean 0.01566
Std Dev 0.4753
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

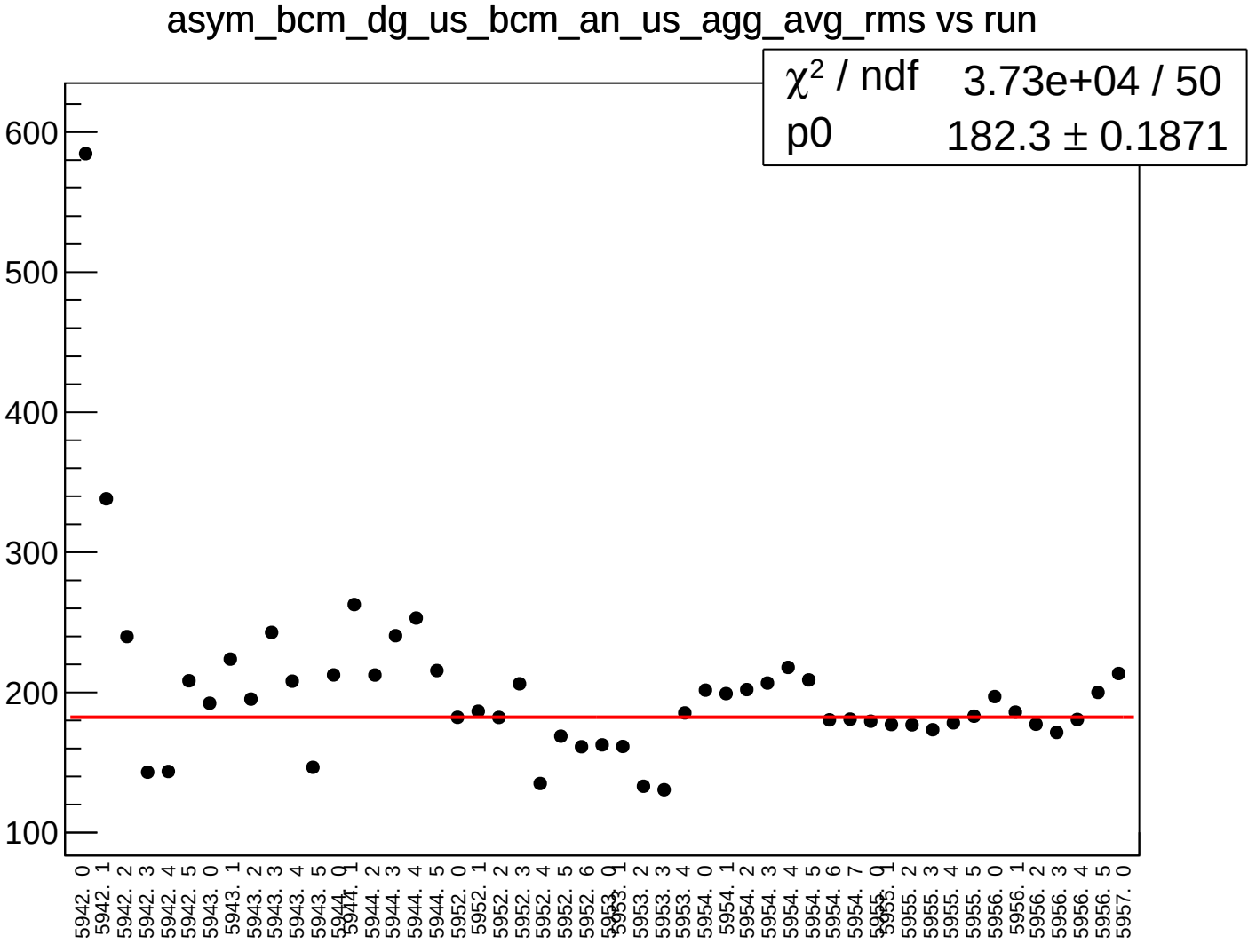

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 3.634e+04 / 50
p0 183.3 ± 0.188
600
500
400
300
200
100
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
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

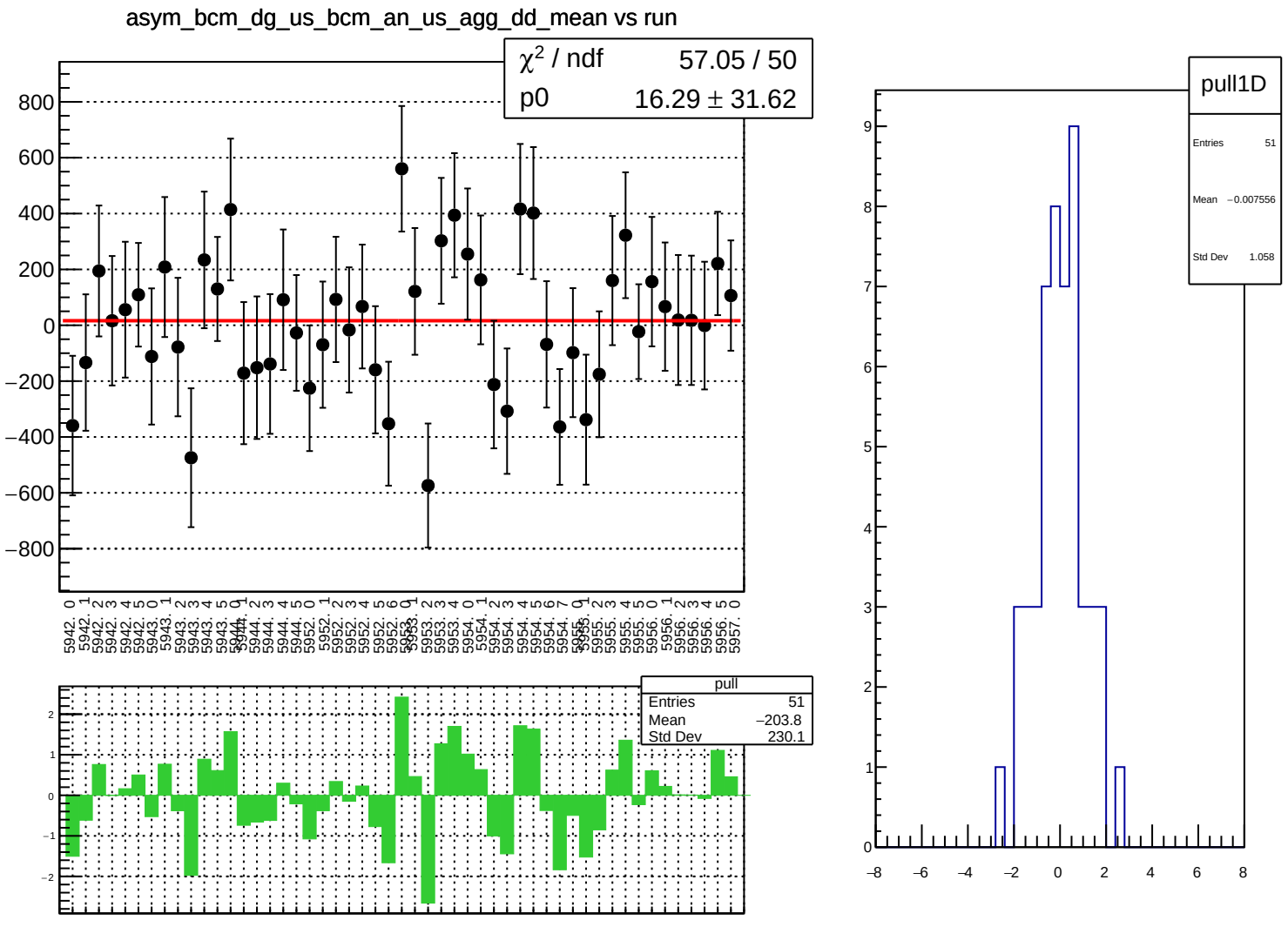

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 43.8 / 50
p0 −29.78 ± 24.81
pull
Entries 51
Mean 733.7
Std Dev 708.6

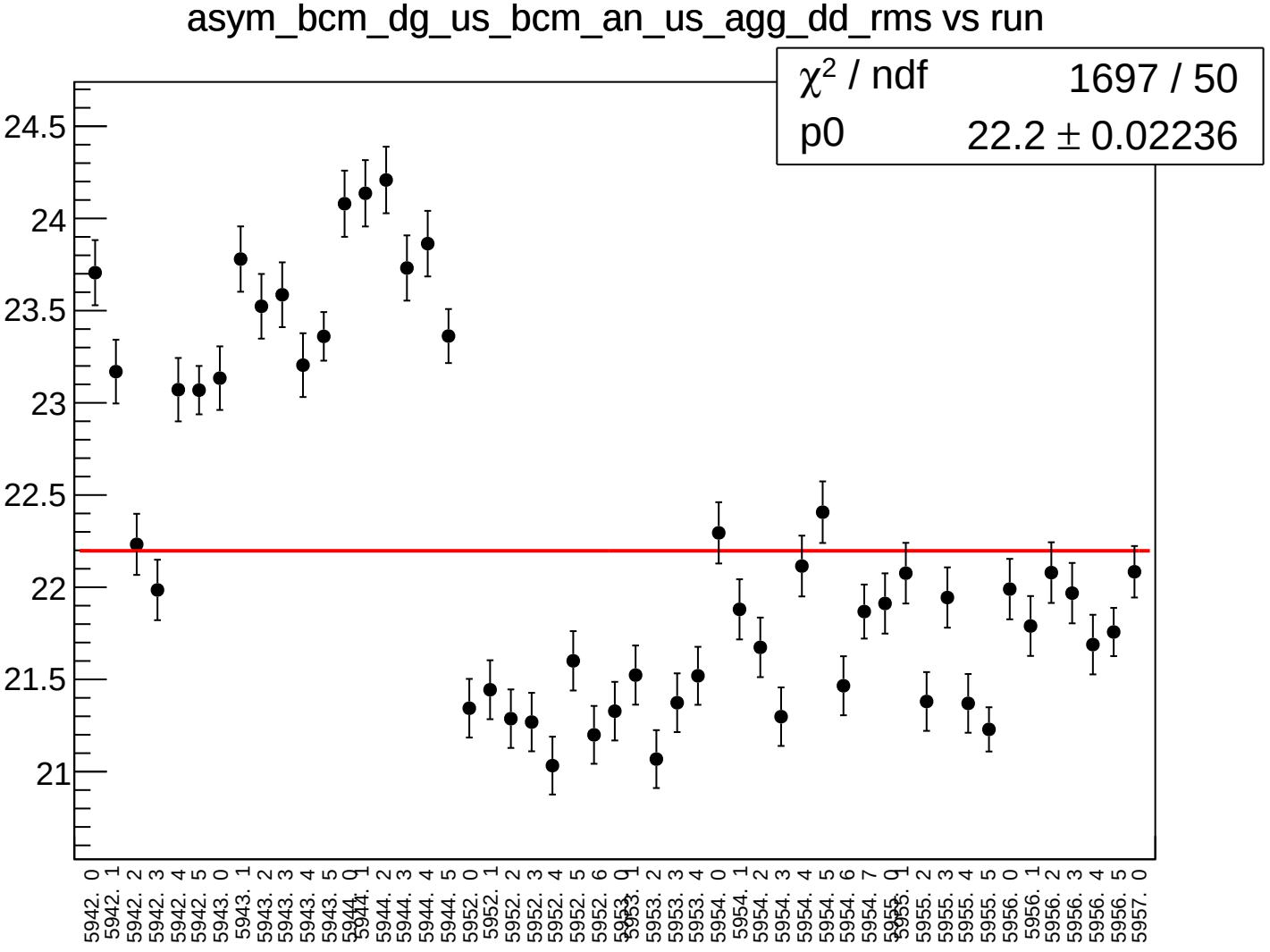

pull1D
Entries 51
Mean 0.005345
Std Dev 0.9267

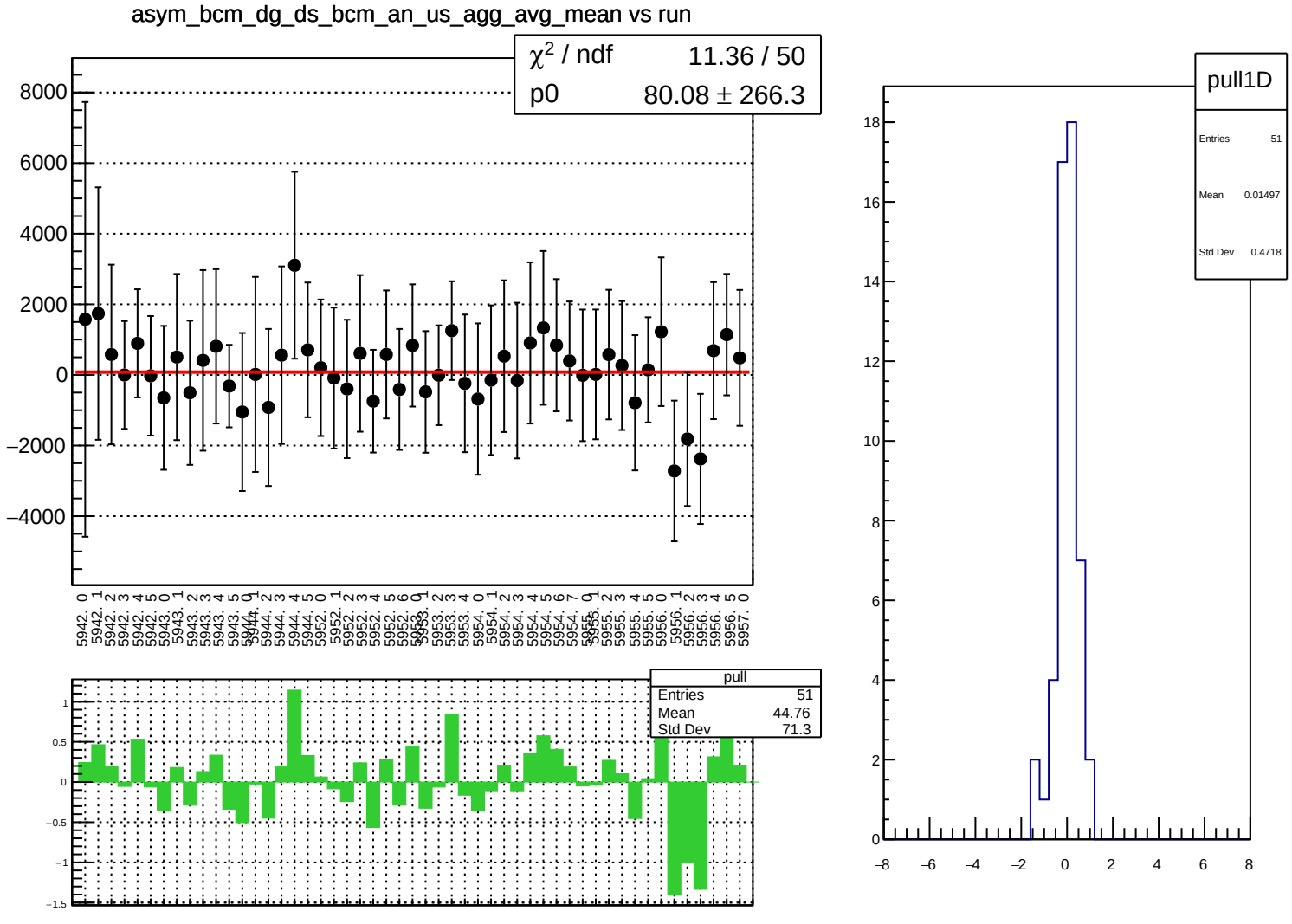

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 1859 / 50
p0 17.41 ± 0.01754
21
20
19
18
17
16
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5952. 7
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

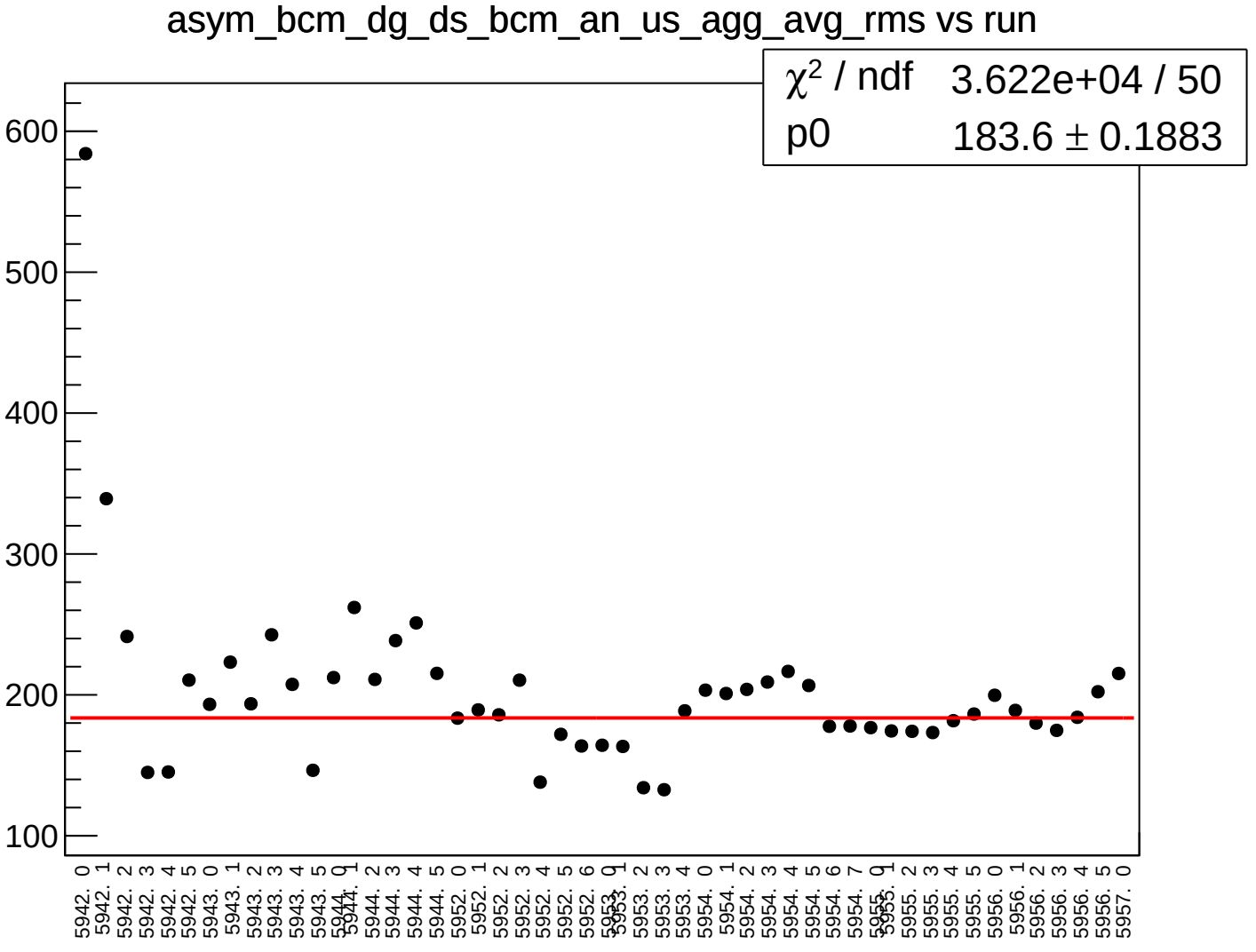

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs run
χ² / ndf 12.61 / 50
p0 105 ± 264.6
pull
Entries 51
Mean −74.07
Std Dev 99.68
pull1D
Entries 51
Mean 0.01353
Std Dev 0.4971

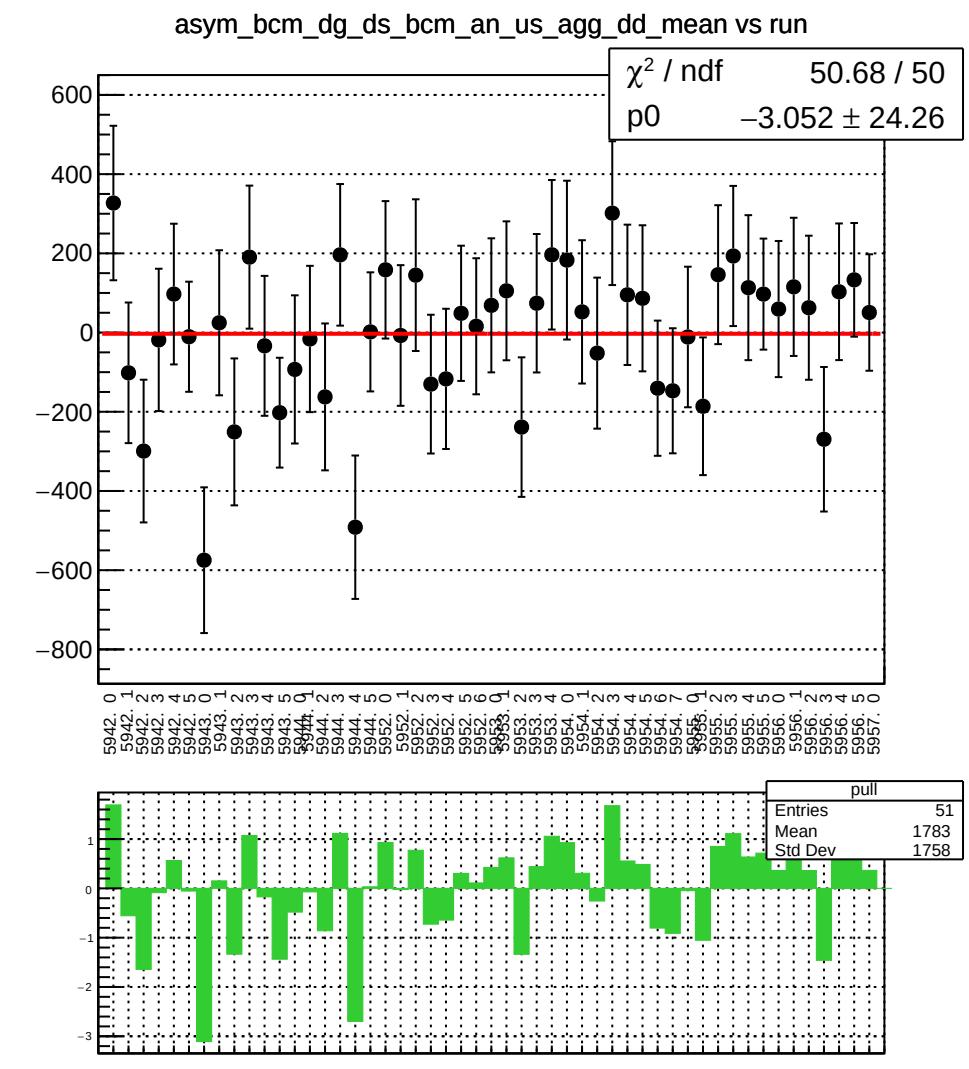

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs run
χ² / ndf 3.73e+04 / 50
p0 182.3 ± 0.1871
600
500
400
300
200
100
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
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

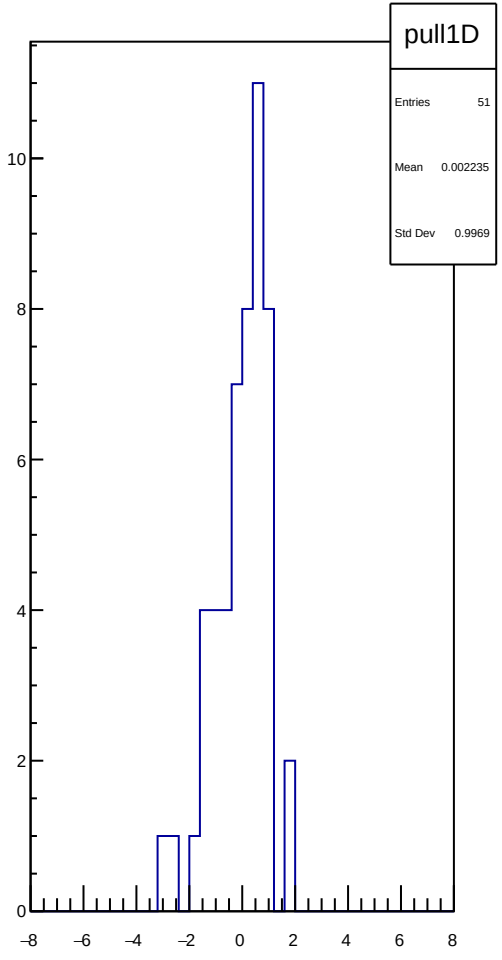

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs run
χ² / ndf 57.05 / 50
p0 16.29 ± 31.62
pull
Entries 51
Mean −203.8
Std Dev 230.1
pull1D
Entries 51
Mean −0.007556
Std Dev 1.058

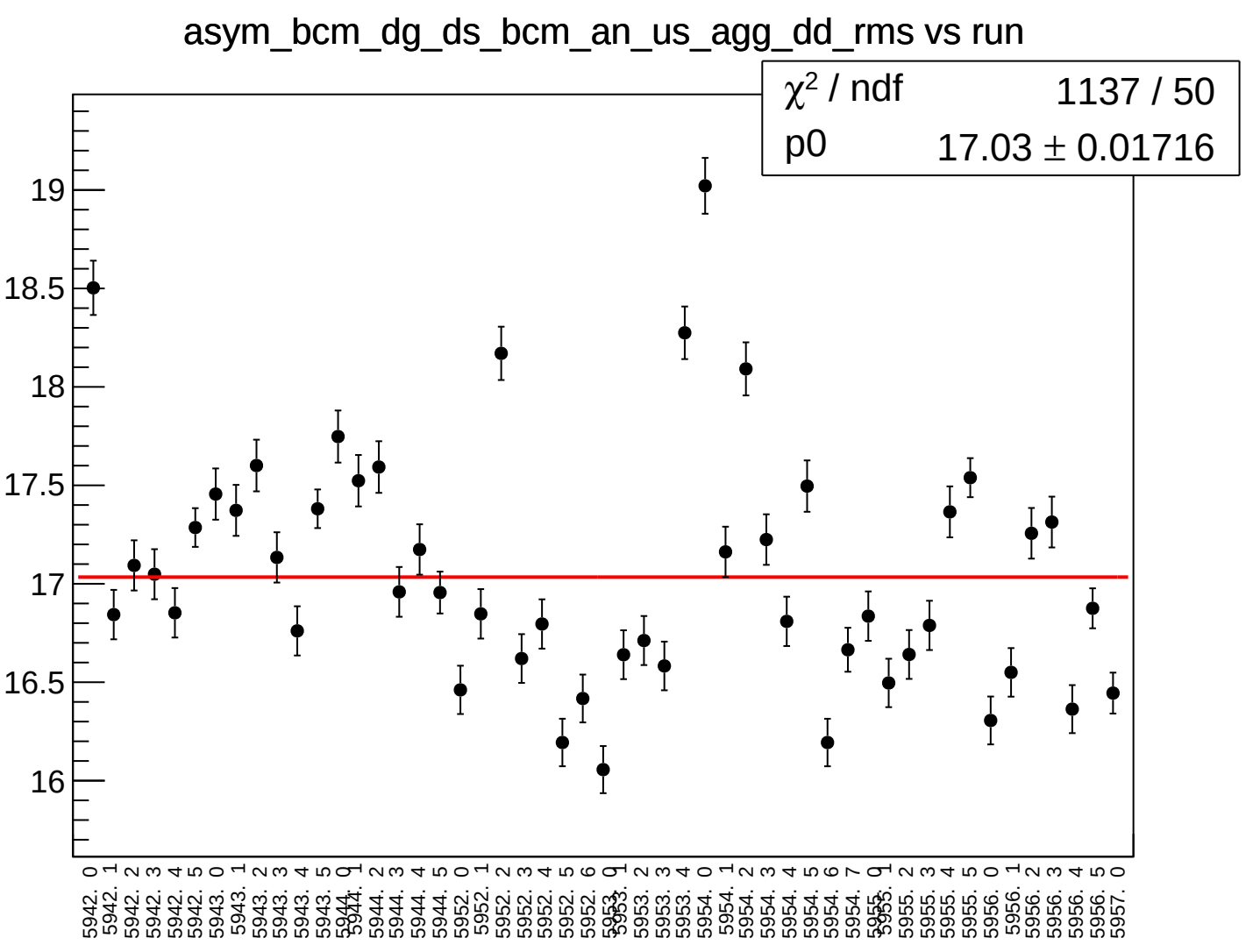

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs run
χ² / ndf 1697 / 50
p0 22.2 ± 0.02236
24.5
24
23.5
23
22.5
22
21.5
21
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 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

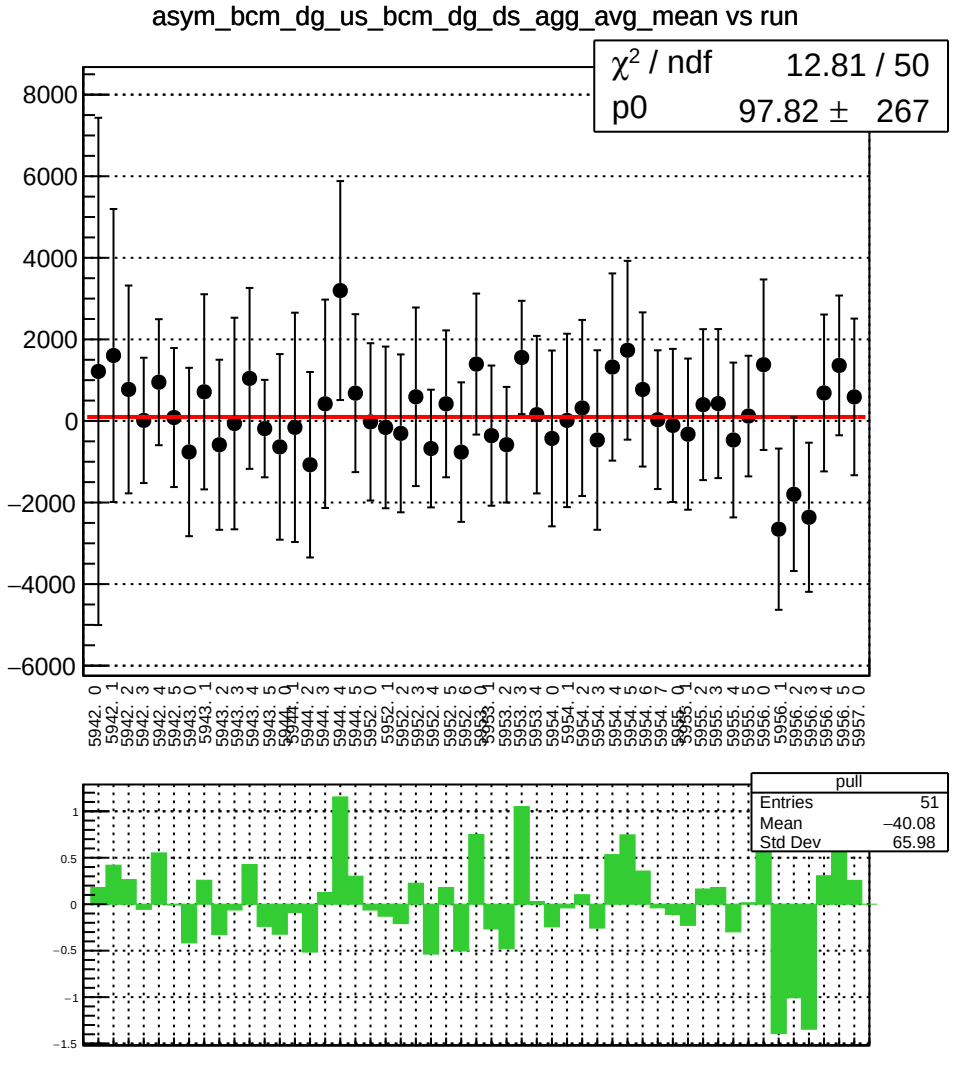

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs run
χ² / ndf 11.36 / 50
p0 80.08 ± 266.3
8000
6000
4000
2000
0
−2000
−4000
pull
Entries 51
Mean −44.76
Std Dev 71.3
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 51
Mean 0.01497
Std Dev 0.4718
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

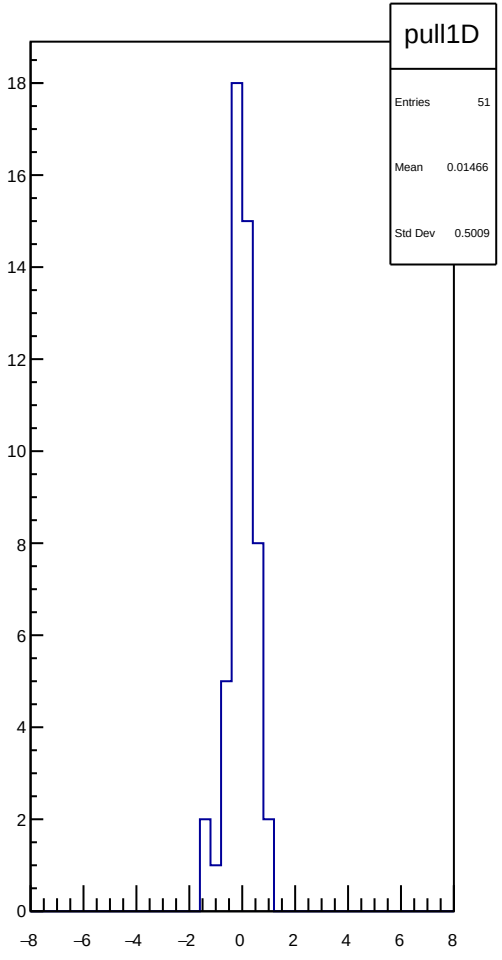

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs run
χ² / ndf 3.622e+04 / 50
p0 183.6 ± 0.1883
600
500
400
300
200
100
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
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

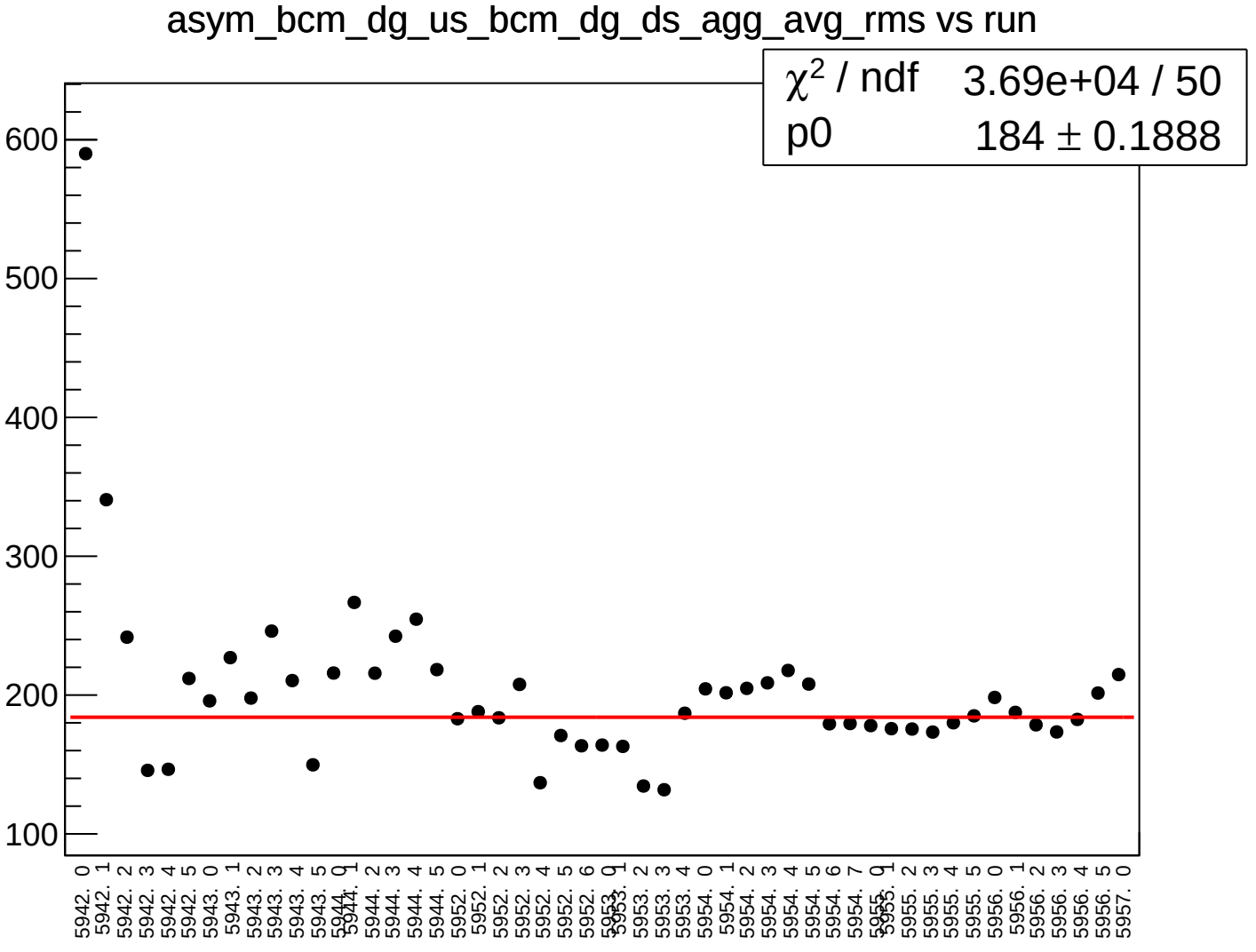

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs run
χ² / ndf 50.68 / 50
p0 −3.052 ± 24.26
pull
Entries 51
Mean 1783
Std Dev 1758

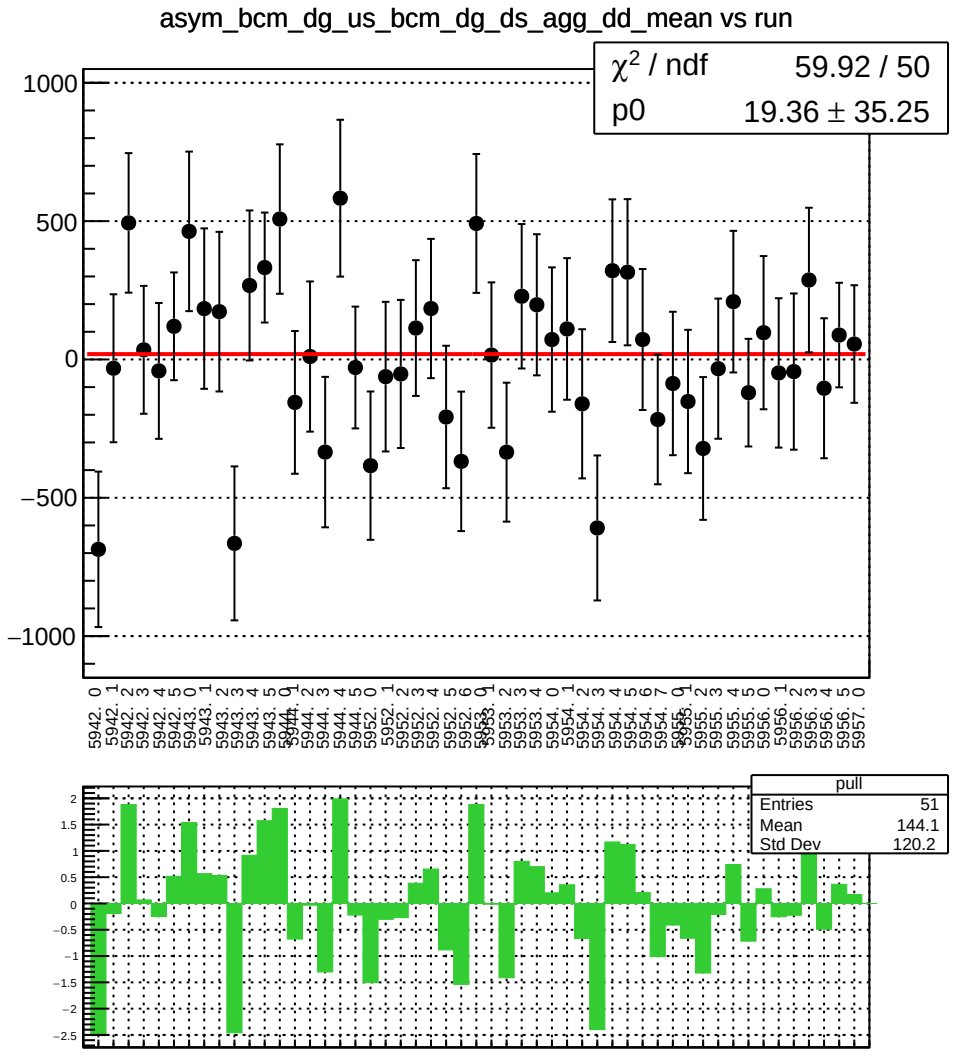

pull1D
Entries 51
Mean 0.002235
Std Dev 0.9969

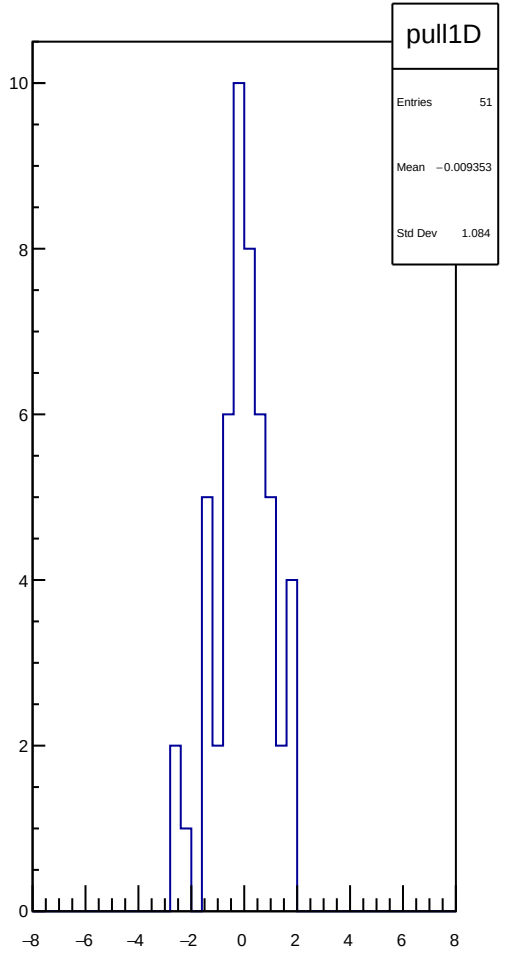

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs run
χ² / ndf 1137 / 50
p0 17.03 ± 0.01716
19
18.5
18
17.5
17
16.5
16
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 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

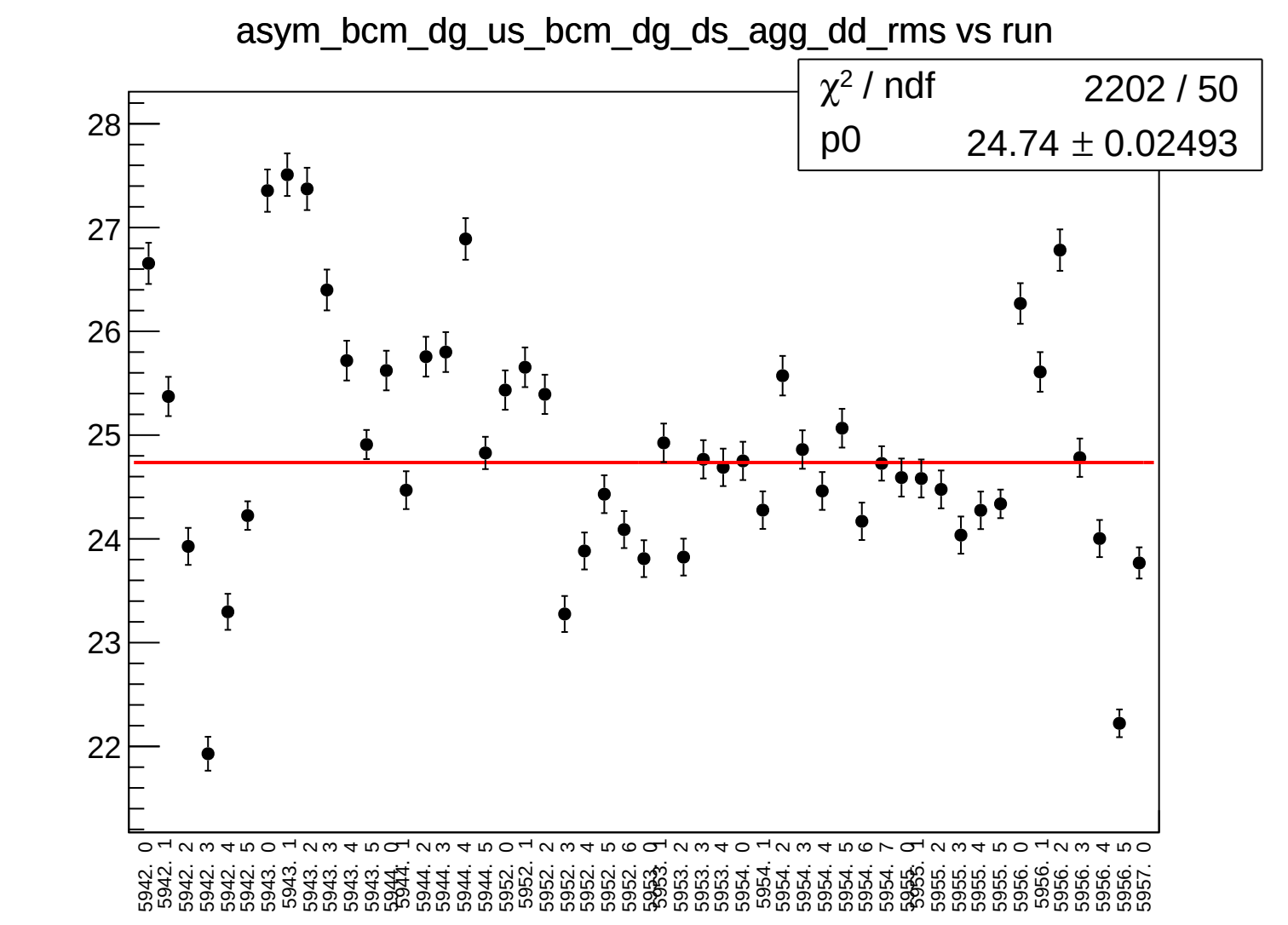

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 12.81 / 50
p0 97.82 ± 267
pull
Entries 51
Mean −40.08
Std Dev 65.98

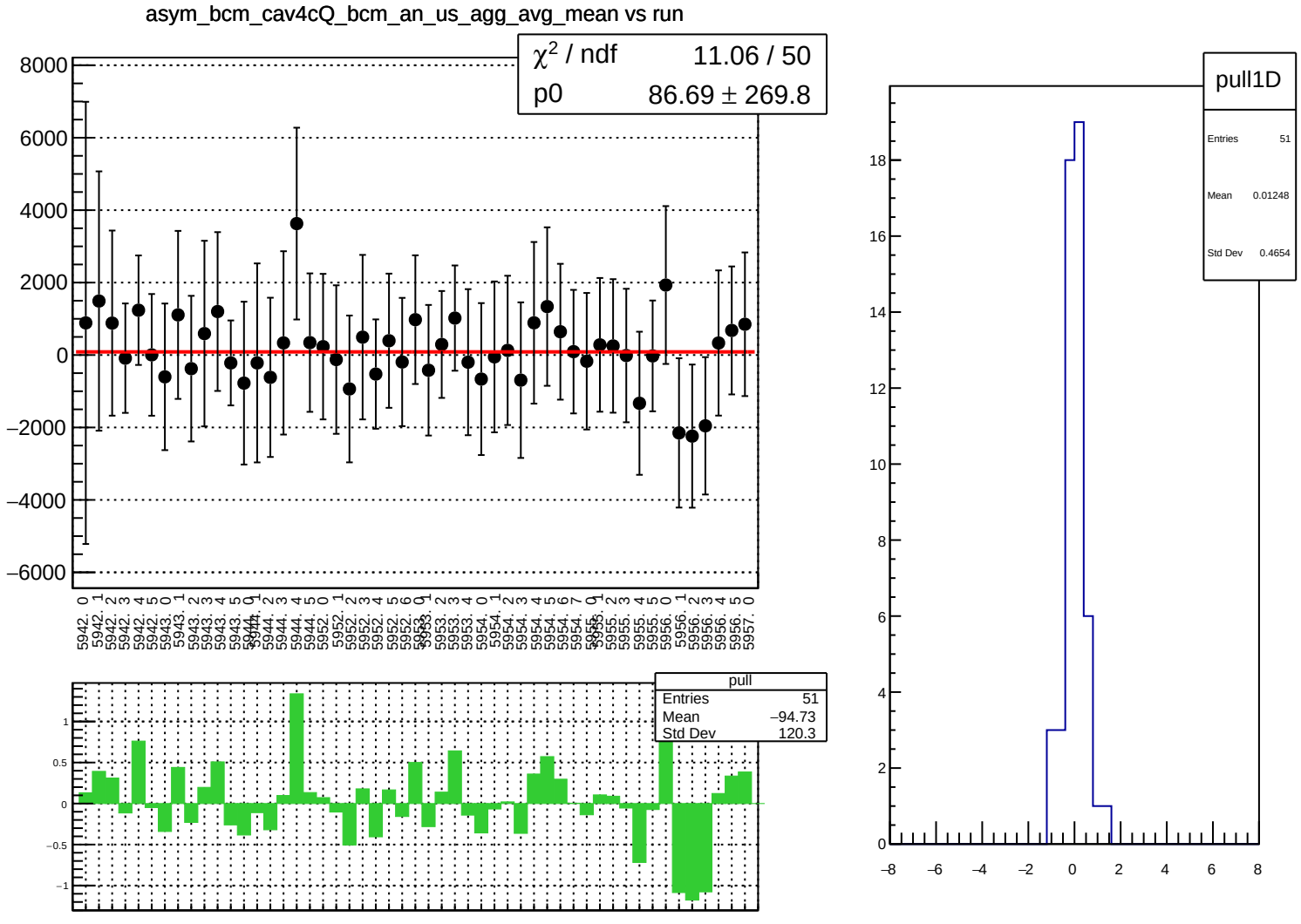

pull1D
Entries 51
Mean 0.01466
Std Dev 0.5009

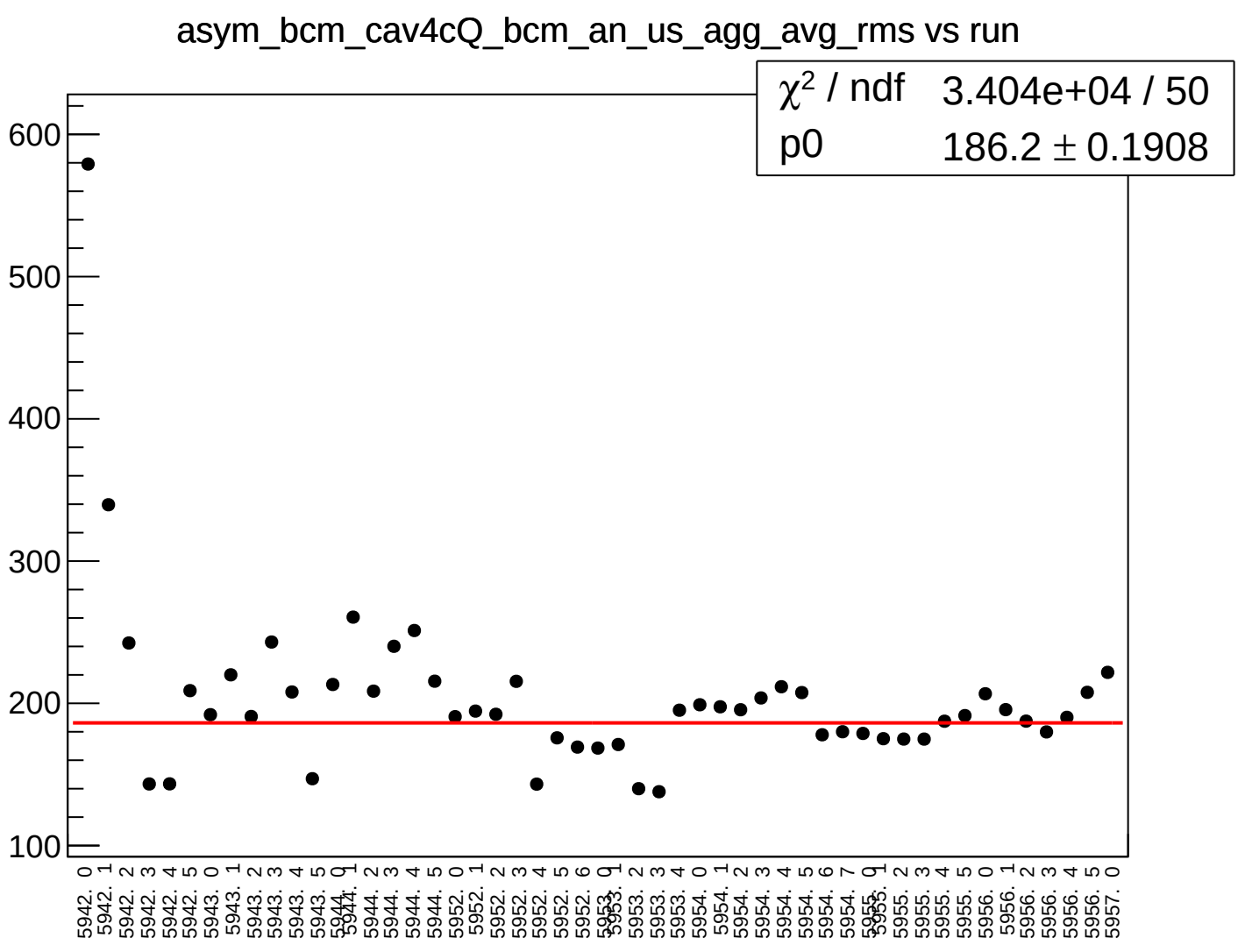

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 3.69e+04 / 50
p0 184 ± 0.1888
600
500
400
300
200
100
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 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

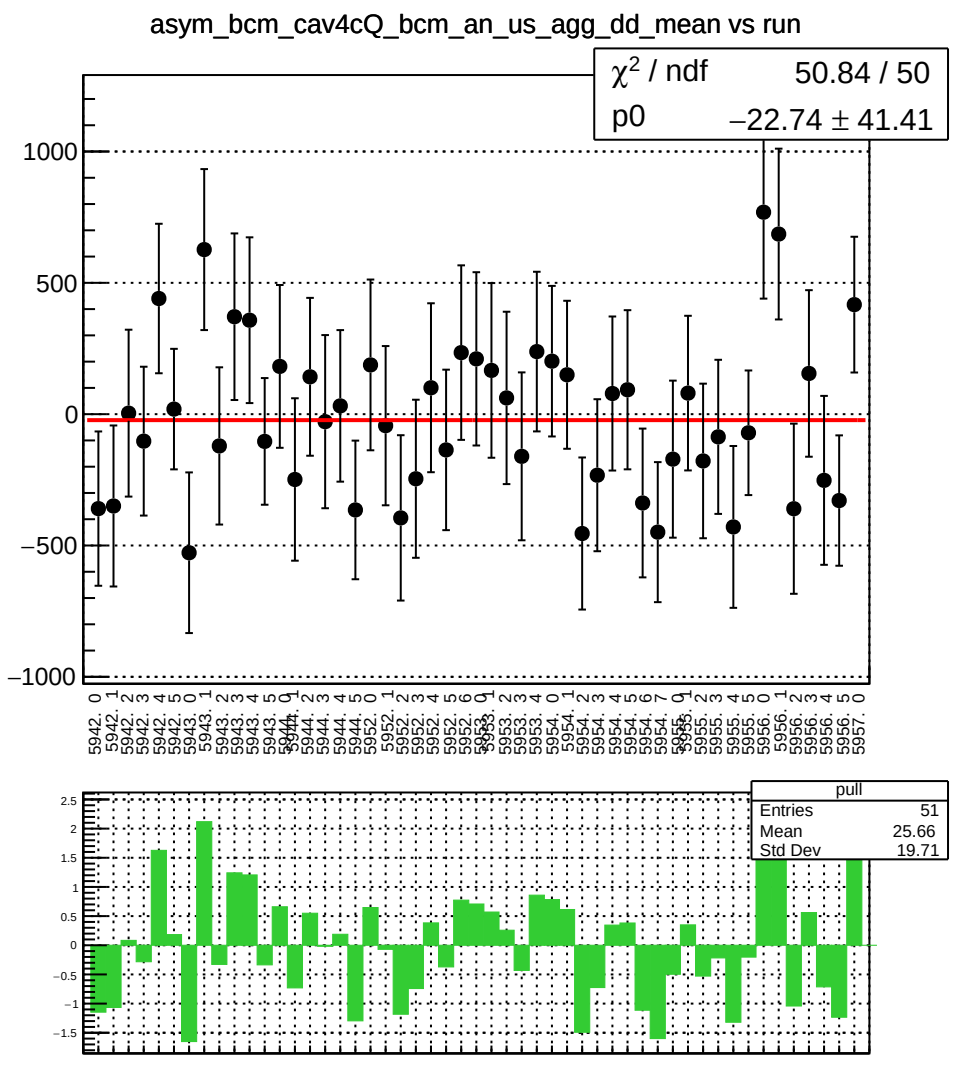

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 59.92 / 50
p0 19.36 ± 35.25
1000
500
0
−500
−1000
pull
Entries 51
Mean 144.1
Std Dev 120.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

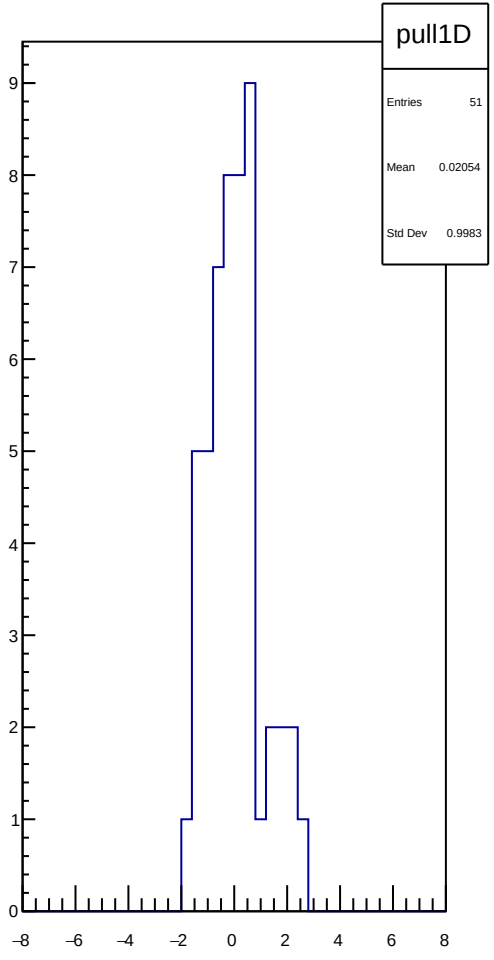

pull1D
Entries 51
Mean −0.009353
Std Dev 1.084
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

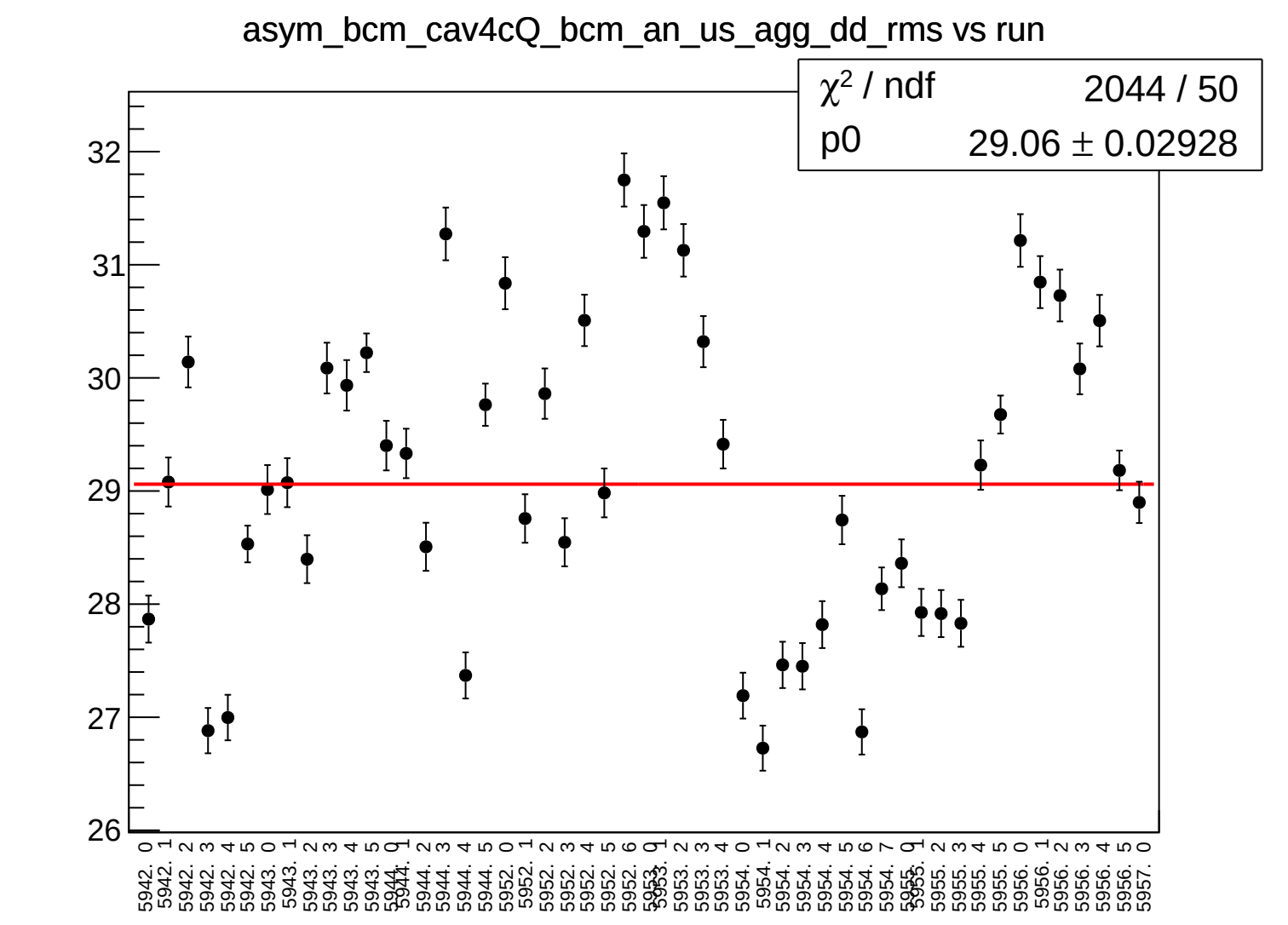

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 2202 / 50
p0 24.74 ± 0.02493
28
27
26
25
24
23
22
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
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

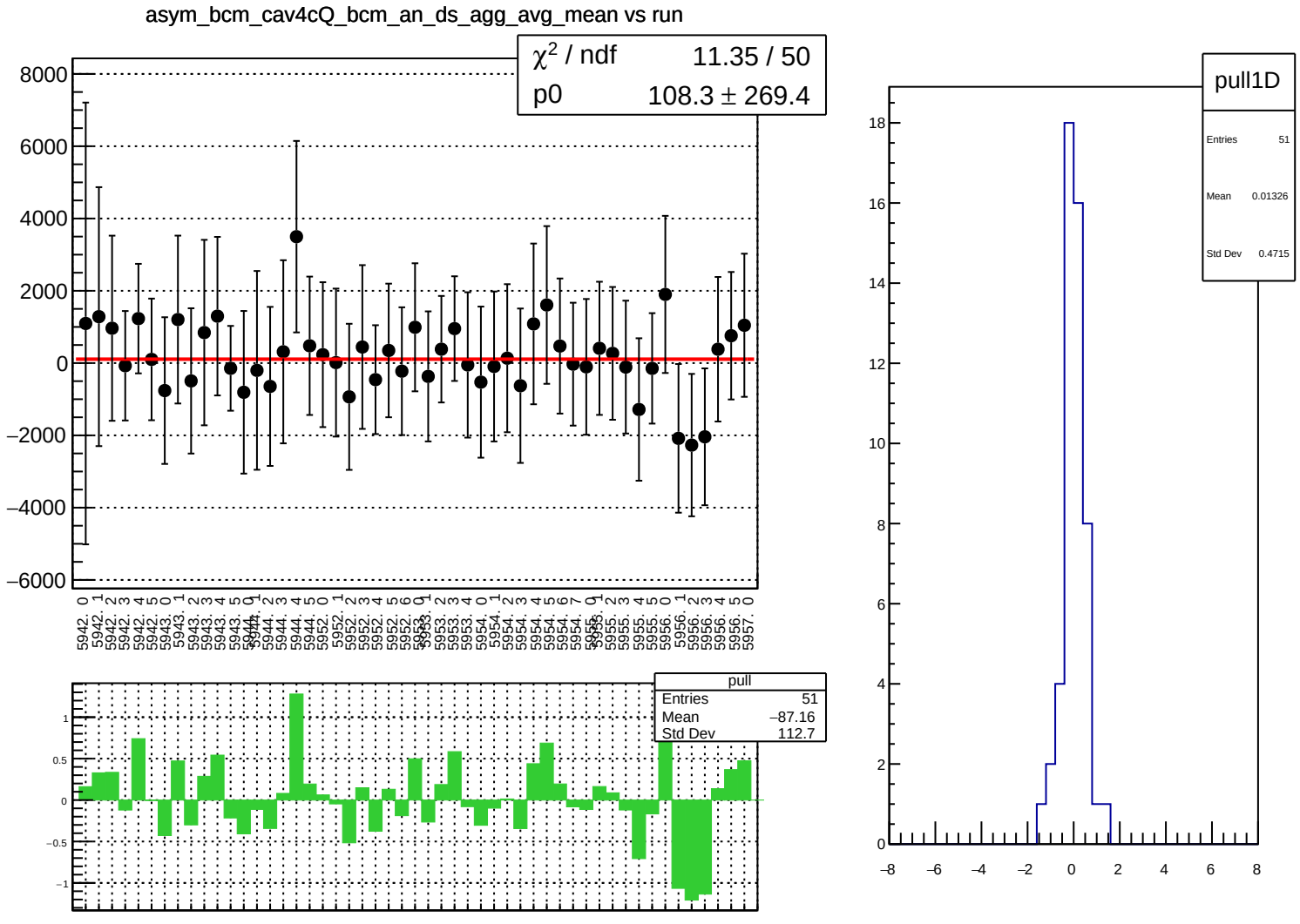

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs run
χ² / ndf 11.06 / 50
p0 86.69 ± 269.8
pull
Entries 51
Mean −94.73
Std Dev 120.3
pull1D
Entries 51
Mean 0.01248
Std Dev 0.4654

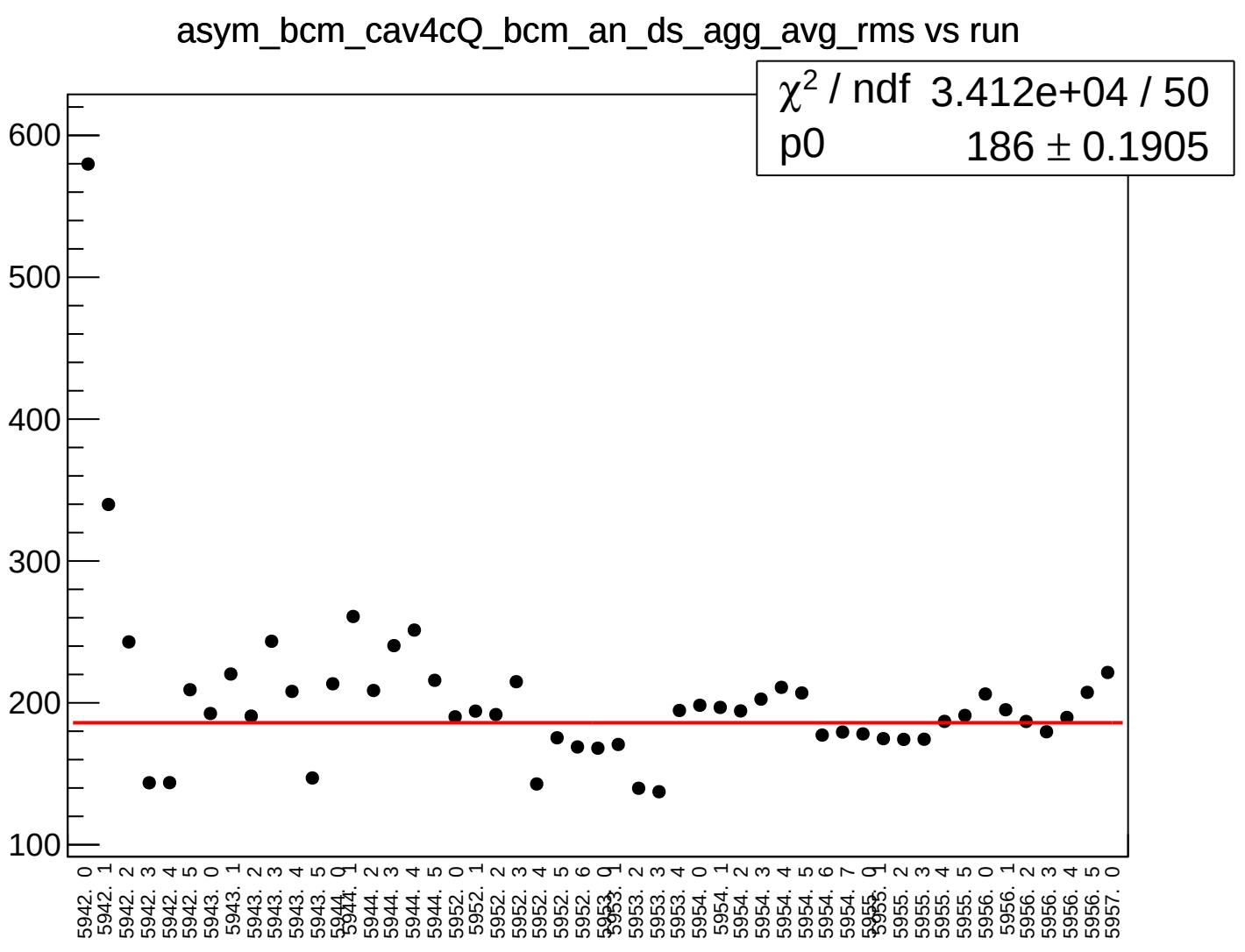

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs run
χ² / ndf 3.404e+04 / 50
p0 186.2 ± 0.1908
600
500
400
300
200
100
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 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

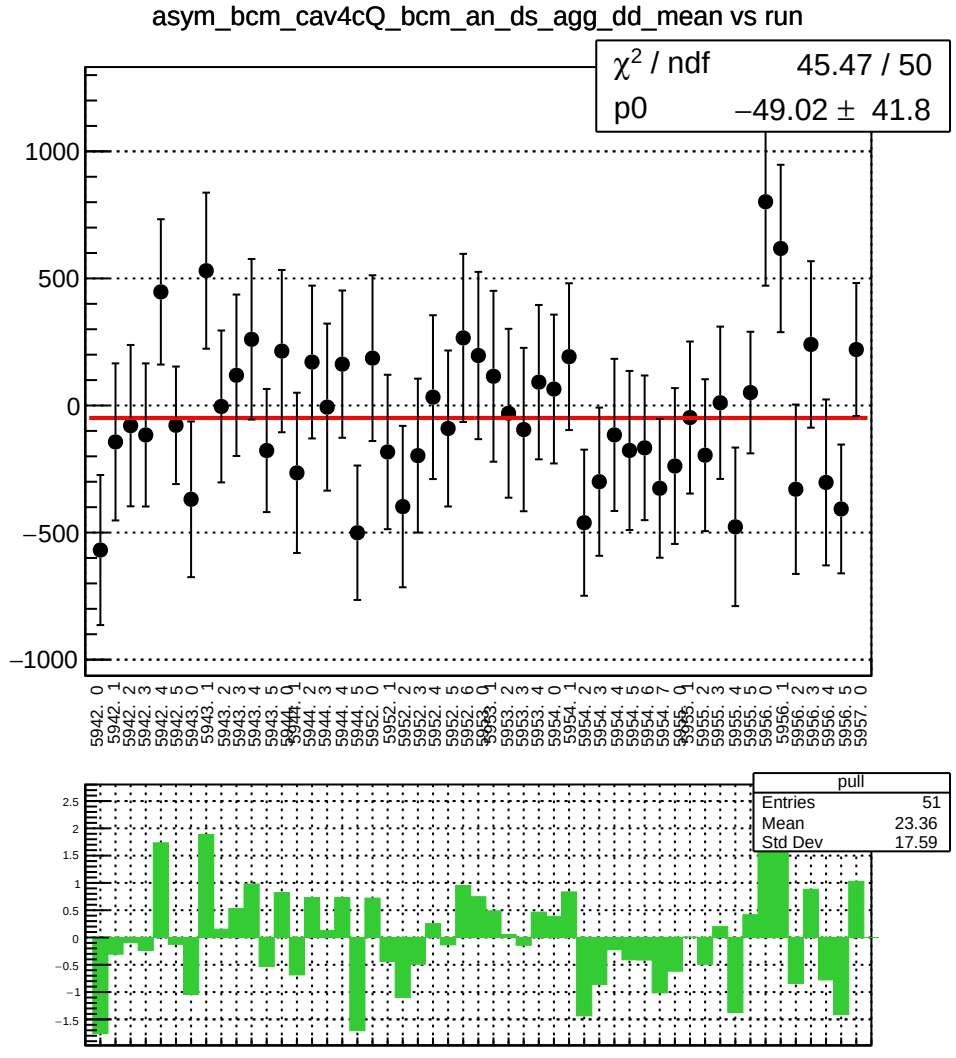

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs run
χ² / ndf 50.84 / 50
p0 −22.74 ± 41.41
1000
500
0
−500
−1000
pull
Entries 51
Mean 25.66
Std Dev 19.71
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

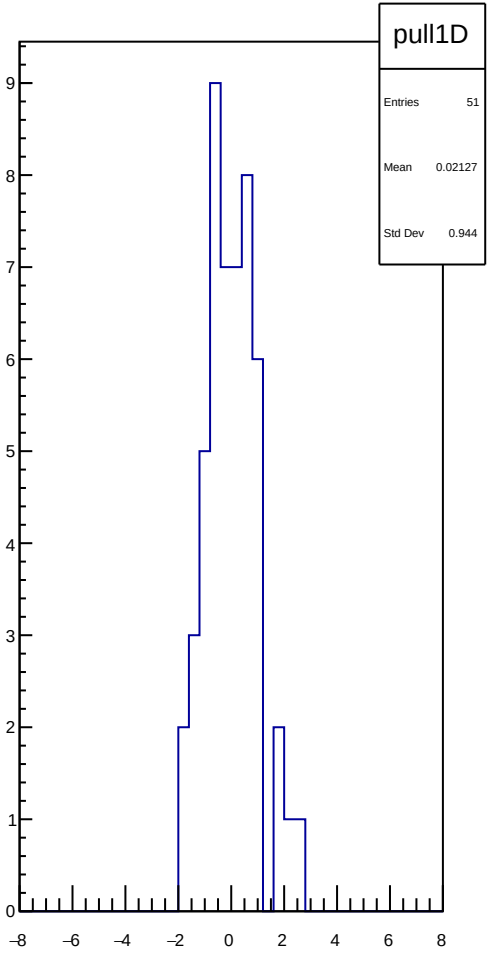

pull1D
Entries 51
Mean 0.02054
Std Dev 0.9983
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

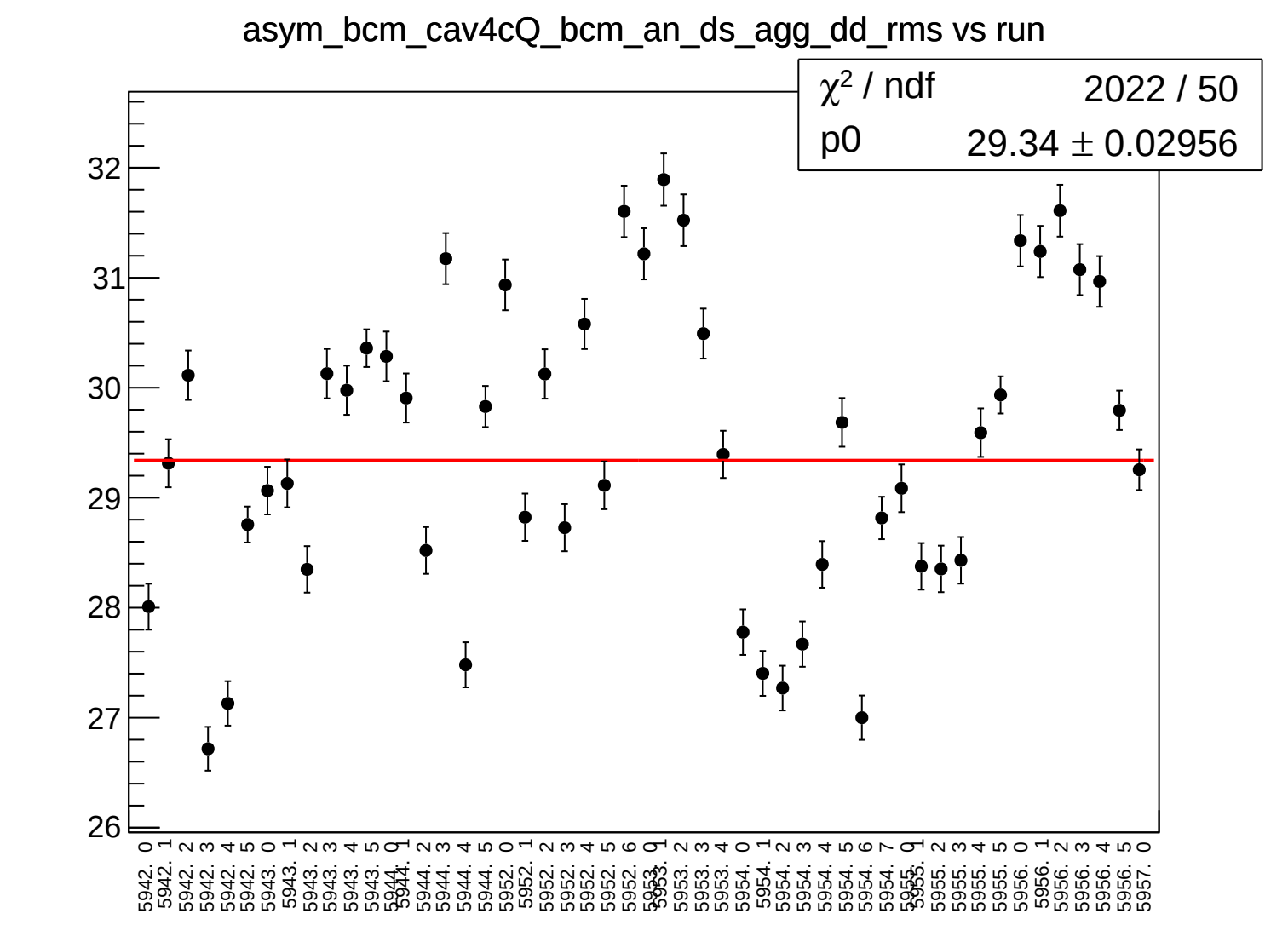

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs run
χ² / ndf 2044 / 50
p0 29.06 ± 0.02928
32
31
30
29
28
27
26
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 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

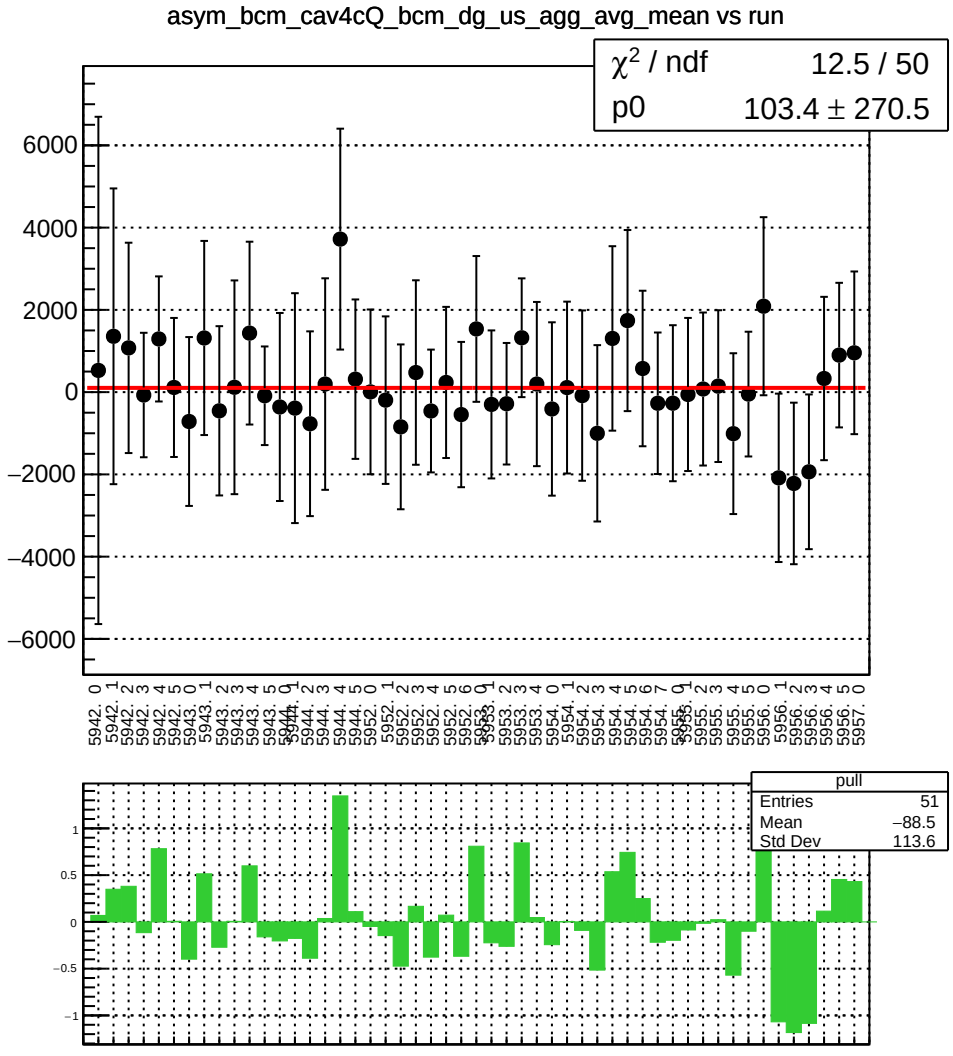

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 11.35 / 50
p0 108.3 ± 269.4
pull
Entries 51
Mean −87.16
Std Dev 112.7
pull1D
Entries 51
Mean 0.01326
Std Dev 0.4715

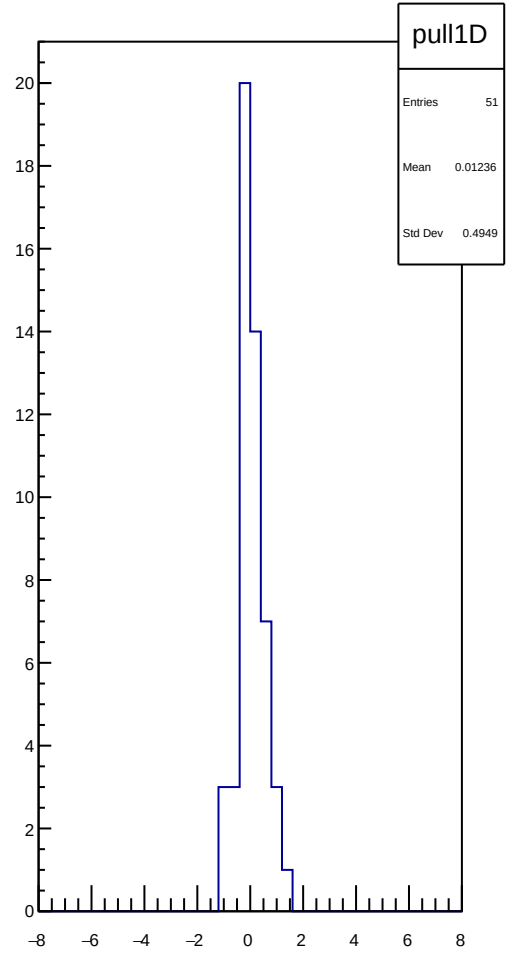

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 3.412e+04 / 50
p0 186 ± 0.1905
600
500
400
300
200
100
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
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

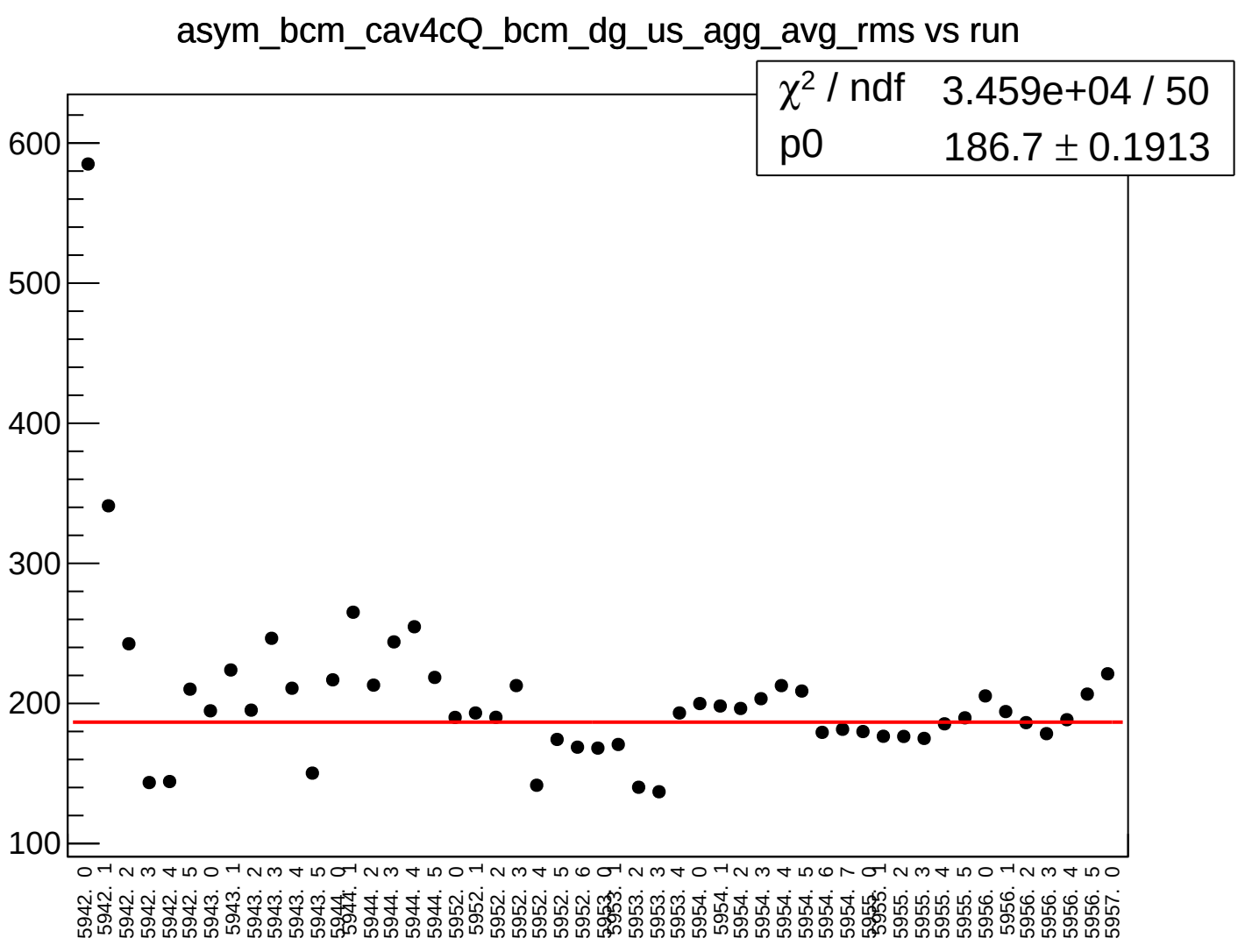

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 45.47 / 50
p0 −49.02 ± 41.8
1000
500
0
−500
−1000
pull
Entries 51
Mean 23.36
Std Dev 17.59
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

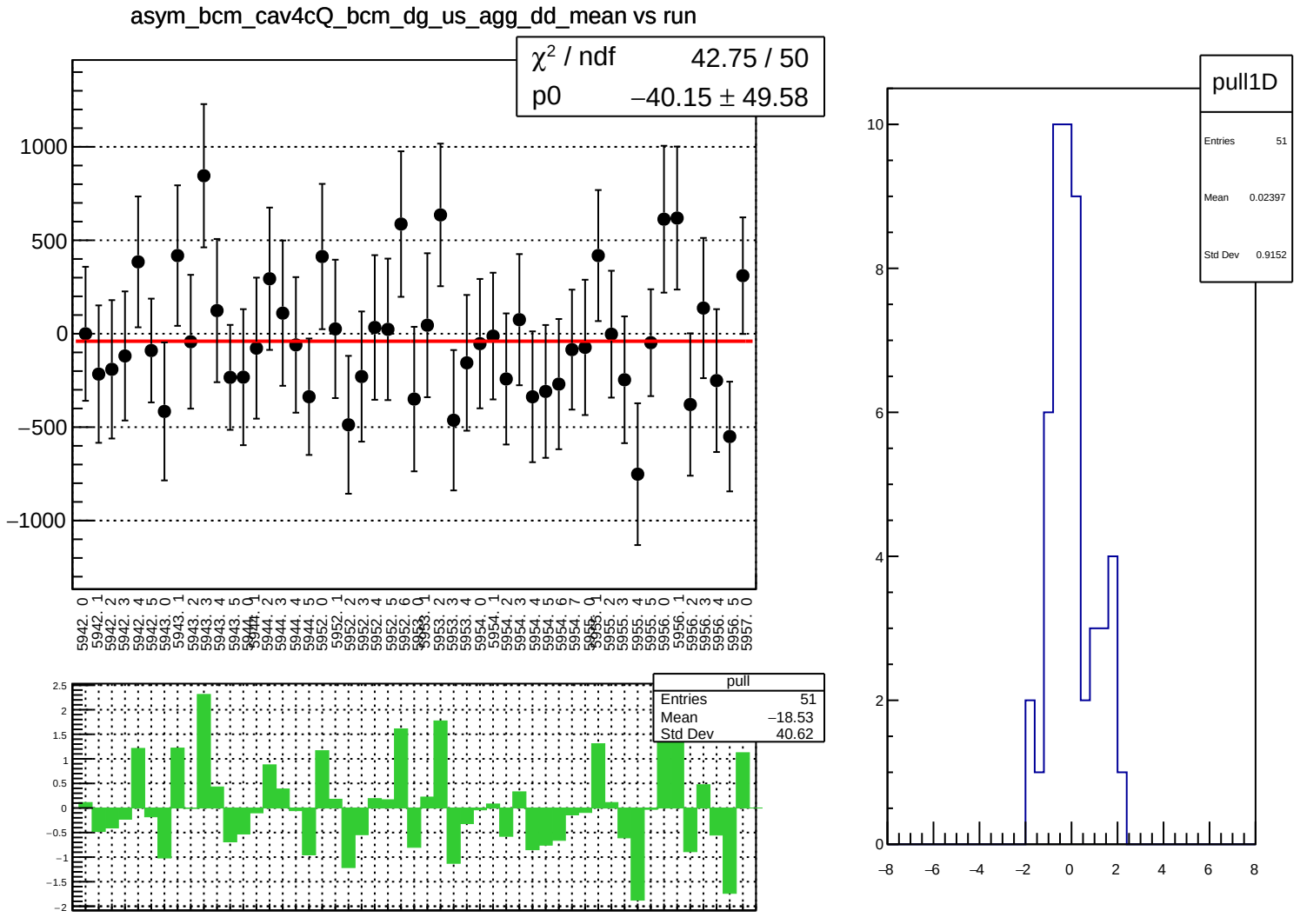

pull1D
Entries 51
Mean 0.02127
Std Dev 0.944
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

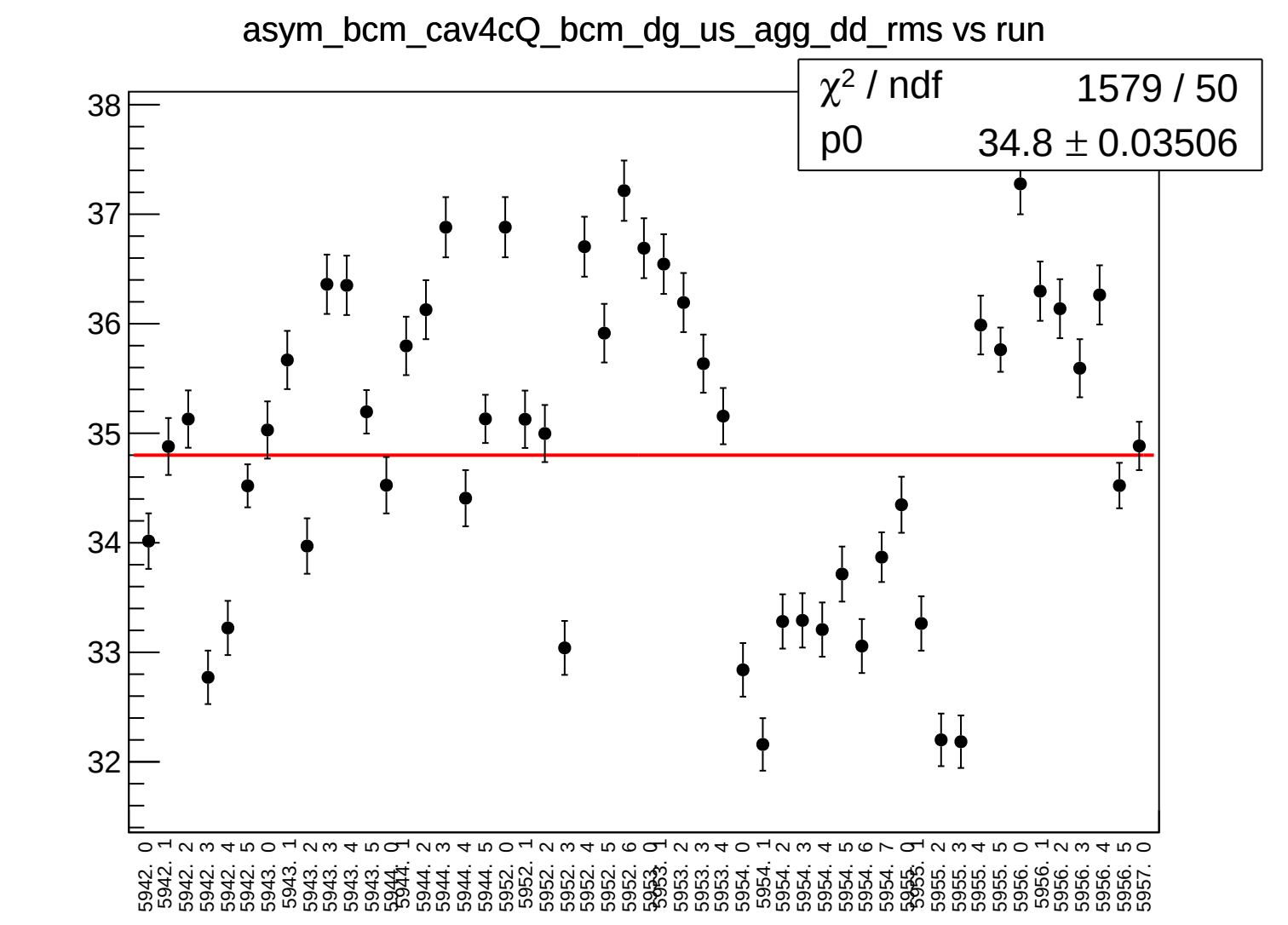

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 2022 / 50
p0 29.34 ± 0.02956
32
31
30
29
28
27
26
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 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

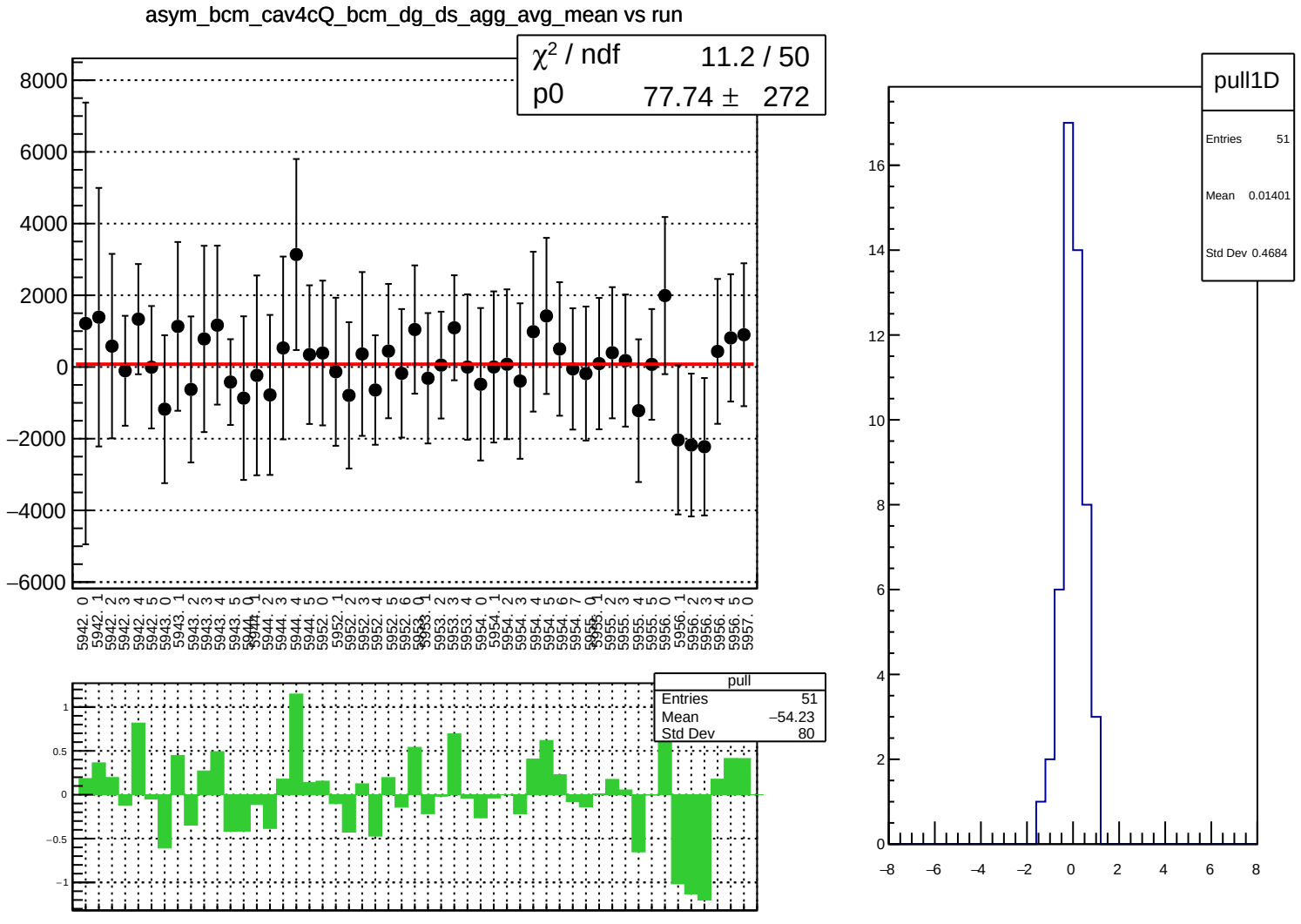

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs run
χ² / ndf 12.5 / 50
p0 103.4 ± 270.5
pull
Entries 51
Mean −88.5
Std Dev 113.6

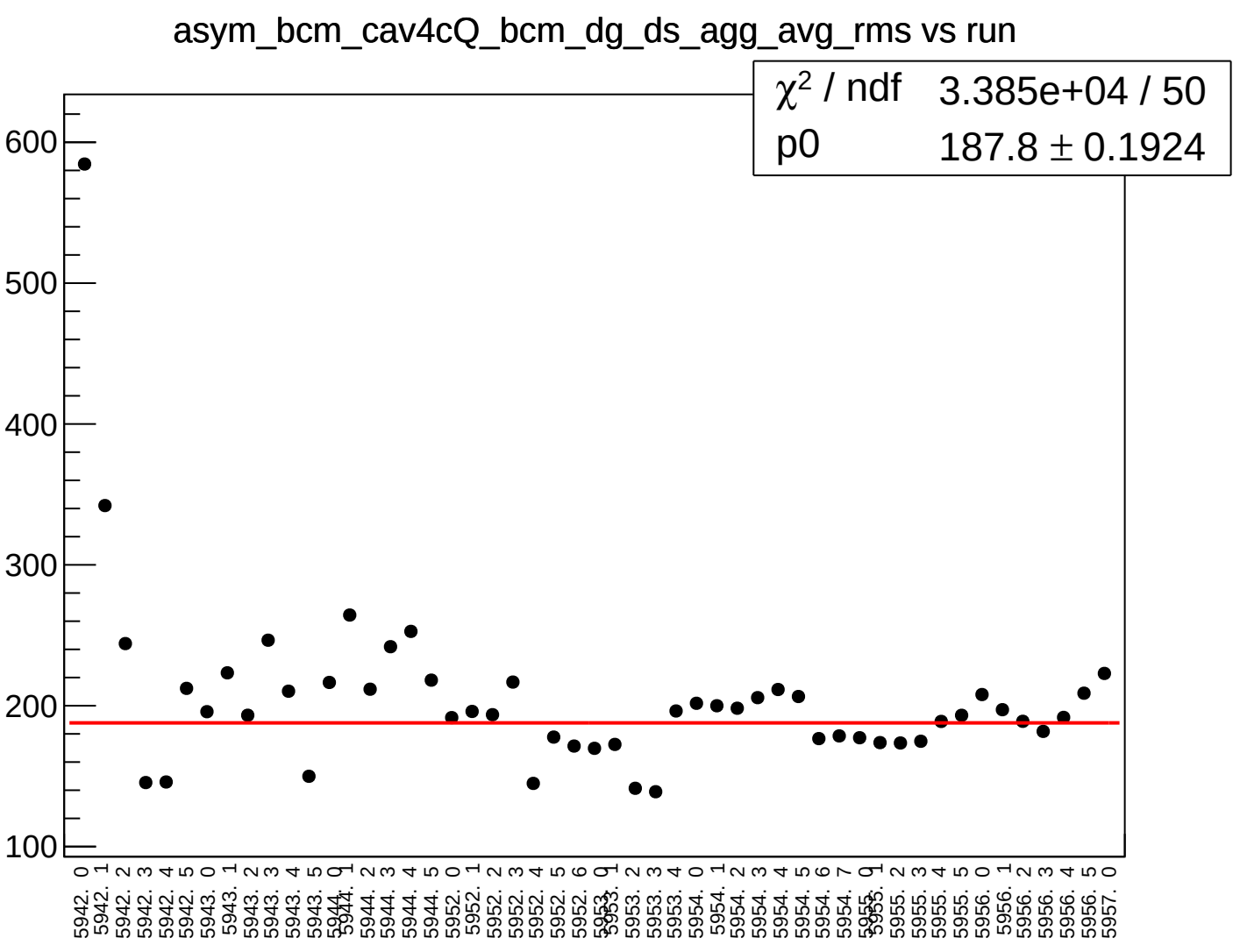

pull1D
Entries 51
Mean 0.01236
Std Dev 0.4949

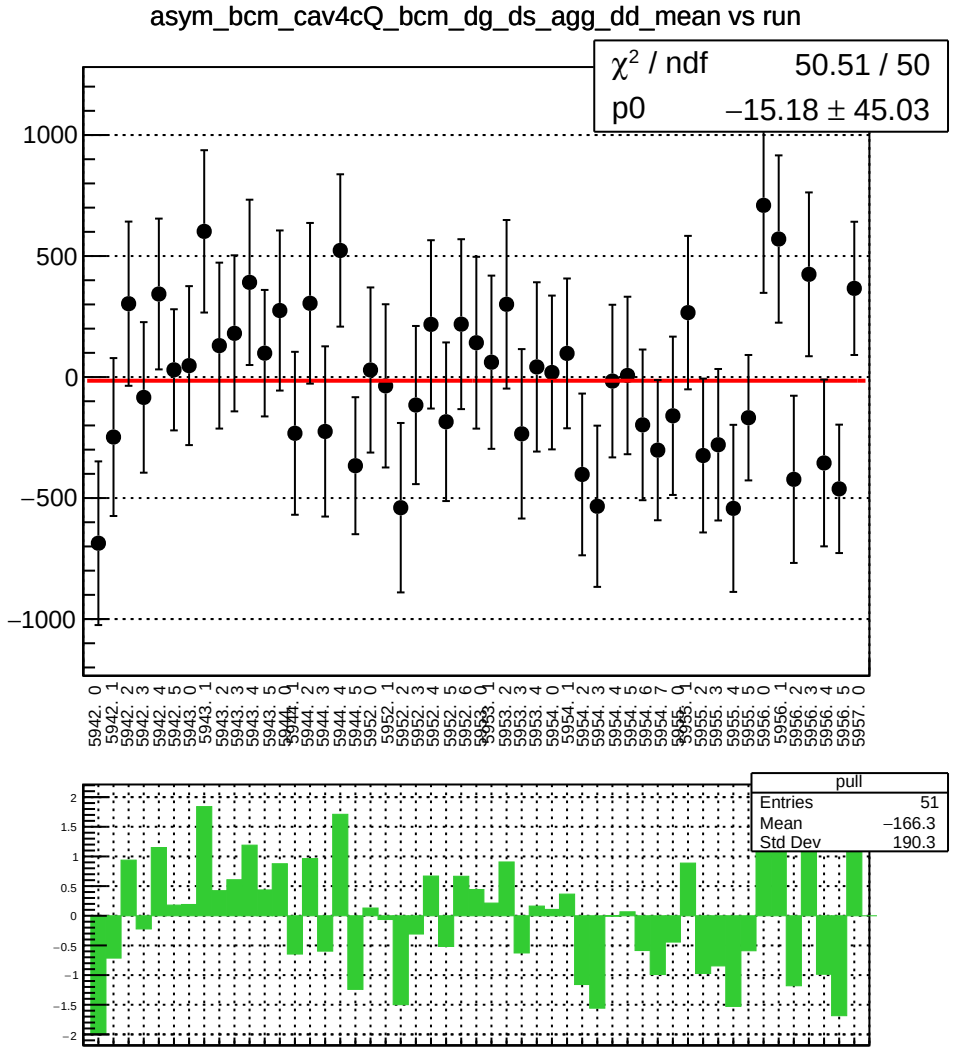

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs run
χ² / ndf 3.459e+04 / 50
p0 186.7 ± 0.1913
600
500
400
300
200
100
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 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

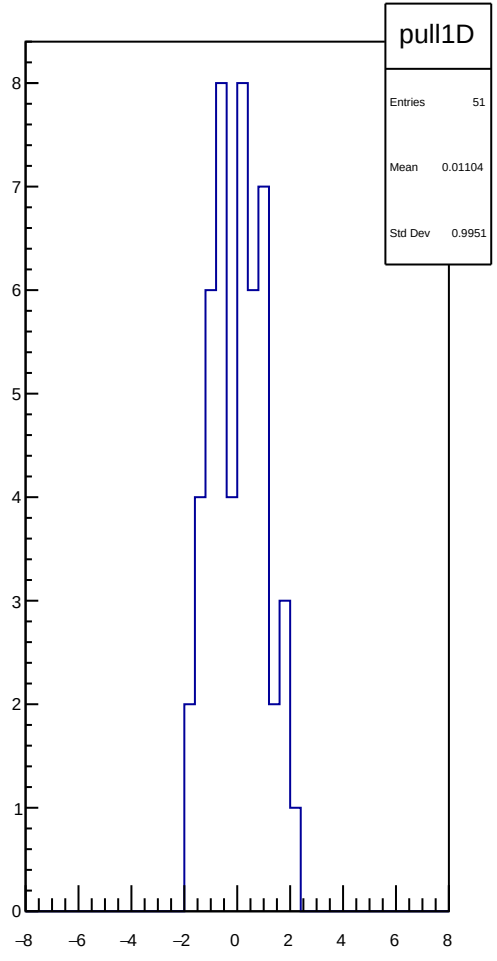

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 42.75 / 50
p0 −40.15 ± 49.58
1000
500
0
−500
−1000
pull
Entries 51
Mean −18.53
Std Dev 40.62
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 51
Mean 0.02397
Std Dev 0.9152
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

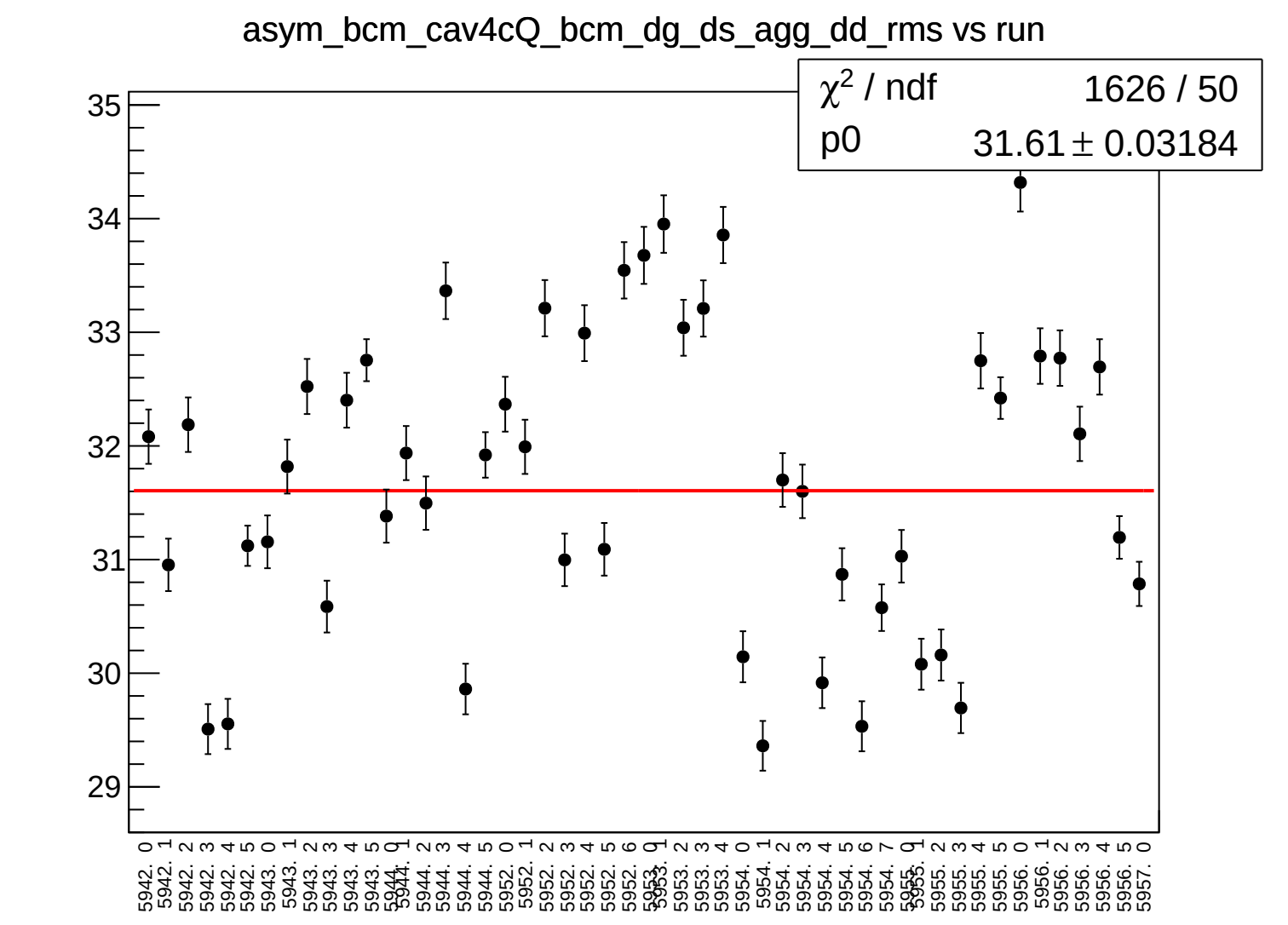

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 1579 / 50
p0 34.8 ± 0.03506
38
37
36
35
34
33
32
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
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

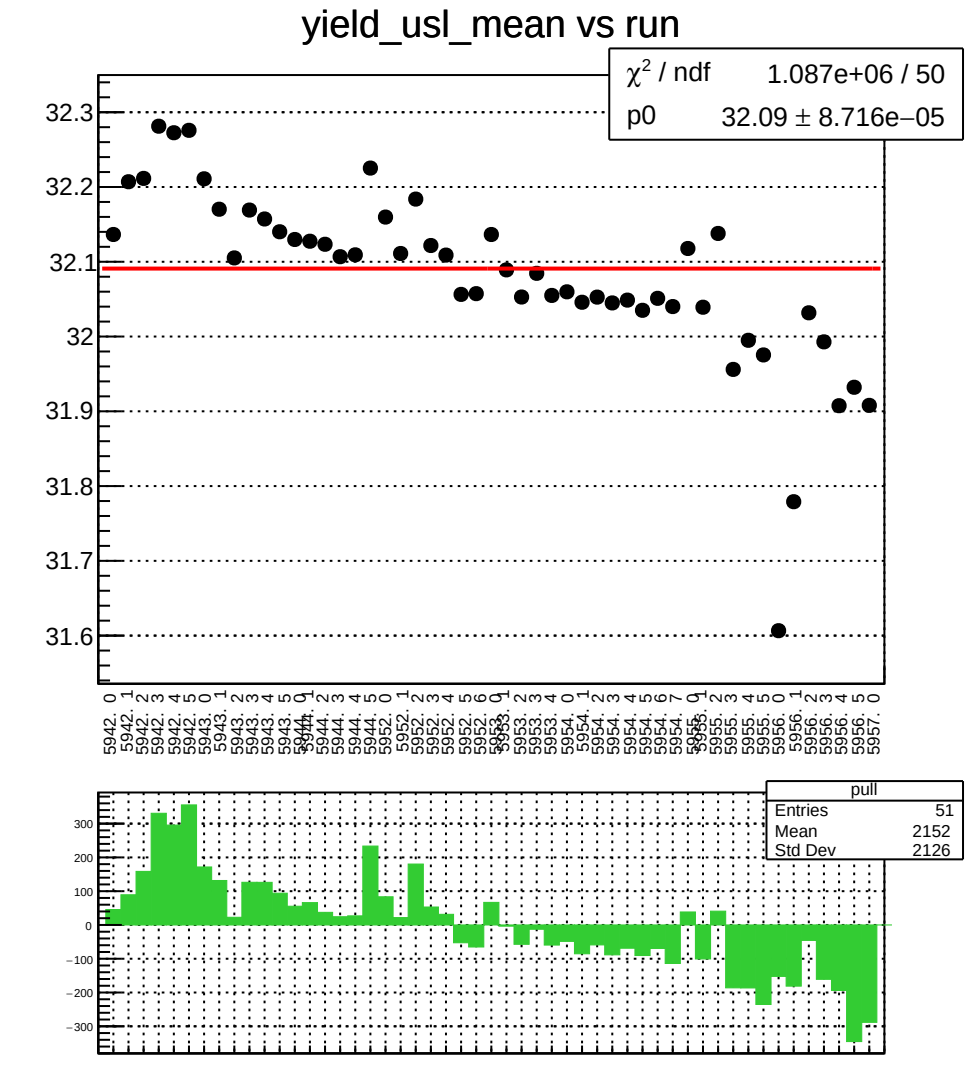

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 11.2 / 50
p0 77.74 ± 272
pull
Entries 51
Mean −54.23
Std Dev 80
pull1D
Entries 51
Mean 0.01401
Std Dev 0.4684

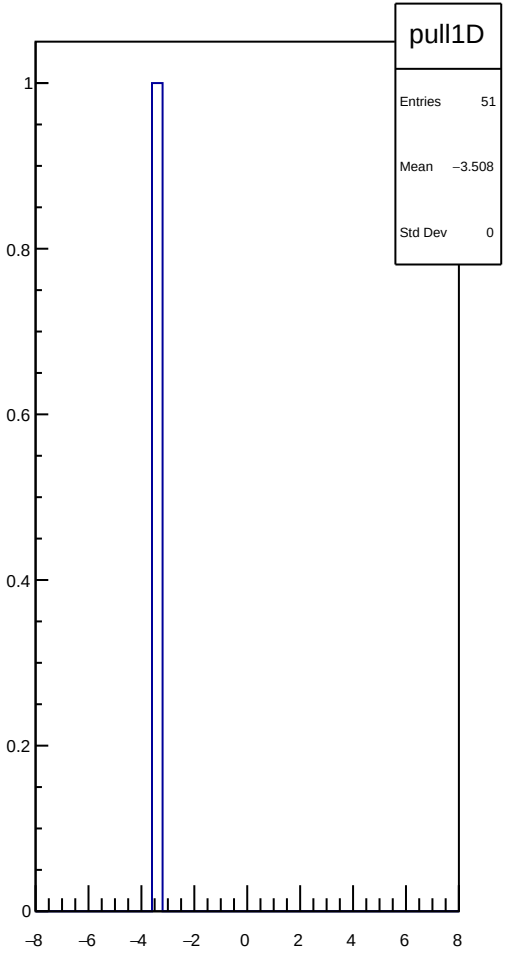

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 3.385e+04 / 50
p0 187.8 ± 0.1924
600
500
400
300
200
100
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 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

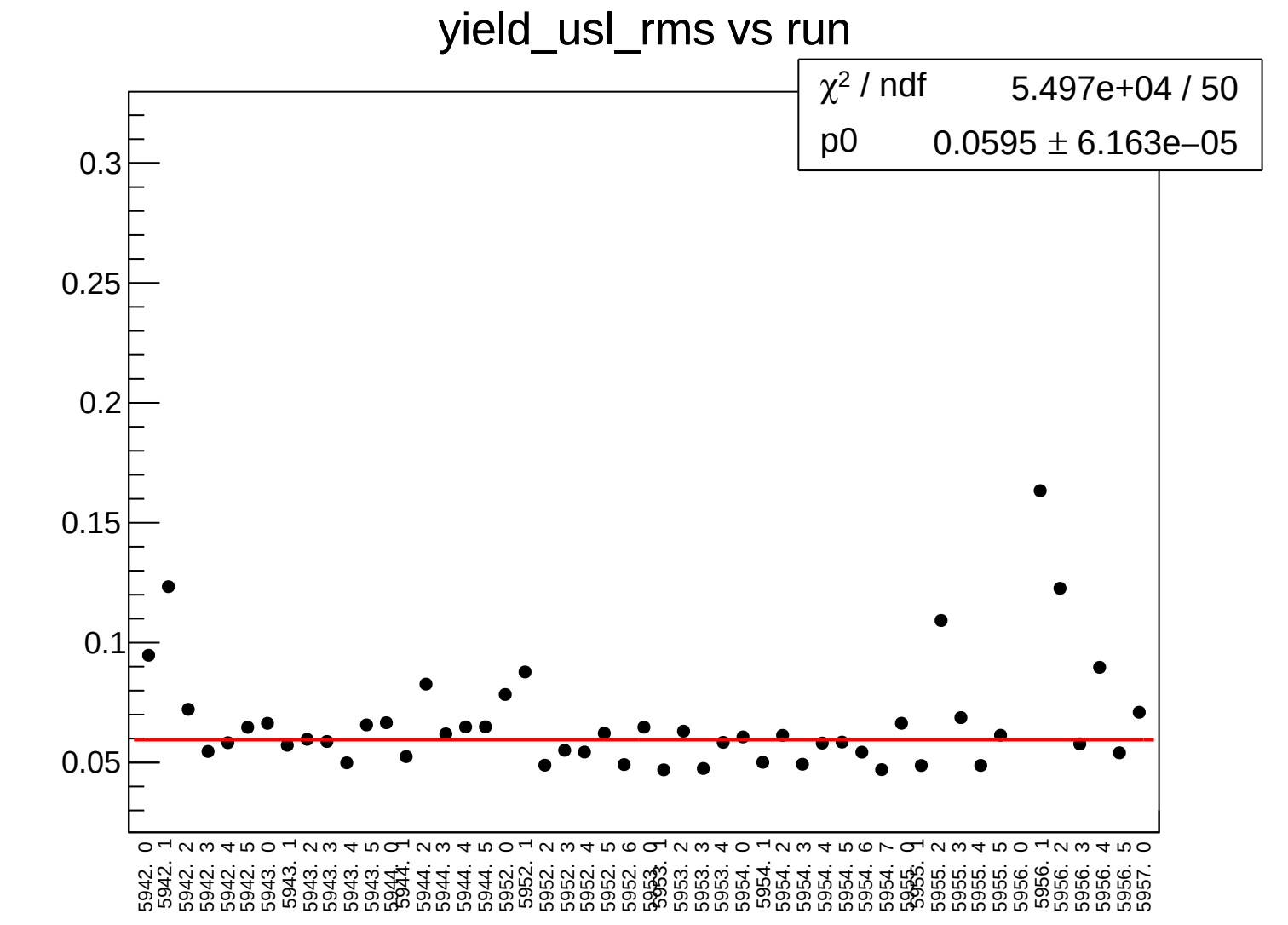

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 50.51 / 50
p0 −15.18 ± 45.03
1000
500
0
−500
−1000
pull
Entries 51
Mean −166.3
Std Dev 190.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

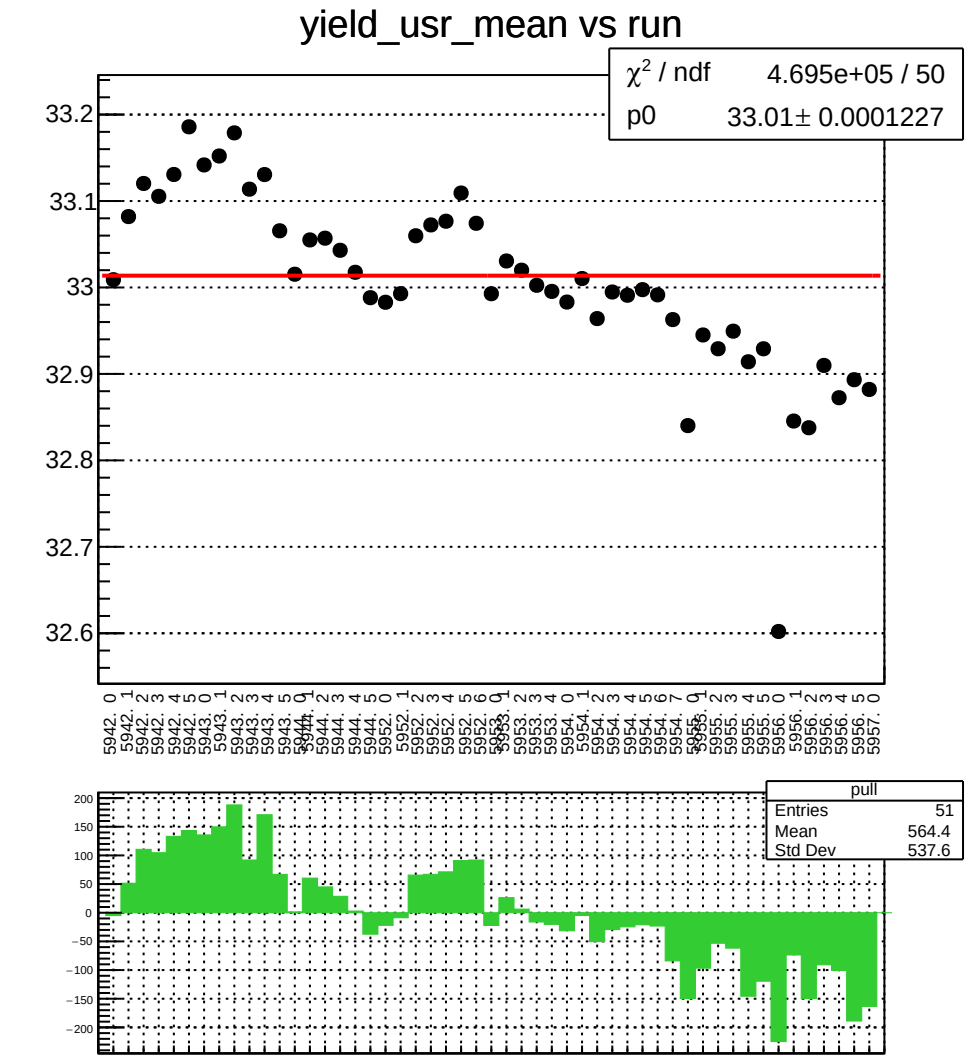

pull1D
Entries 51
Mean 0.01104
Std Dev 0.9951
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

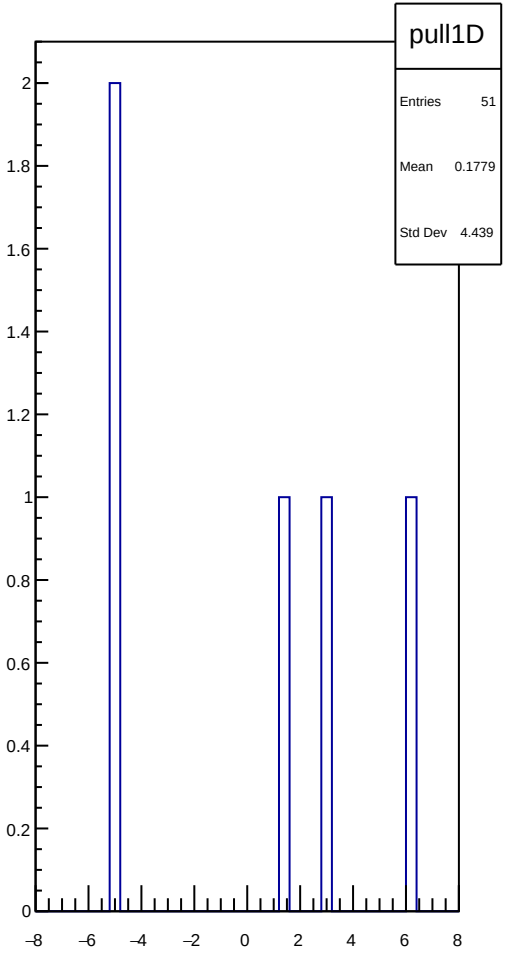

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 1626 / 50
p0 31.61 ± 0.03184
35
34
33
32
31
30
29
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 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

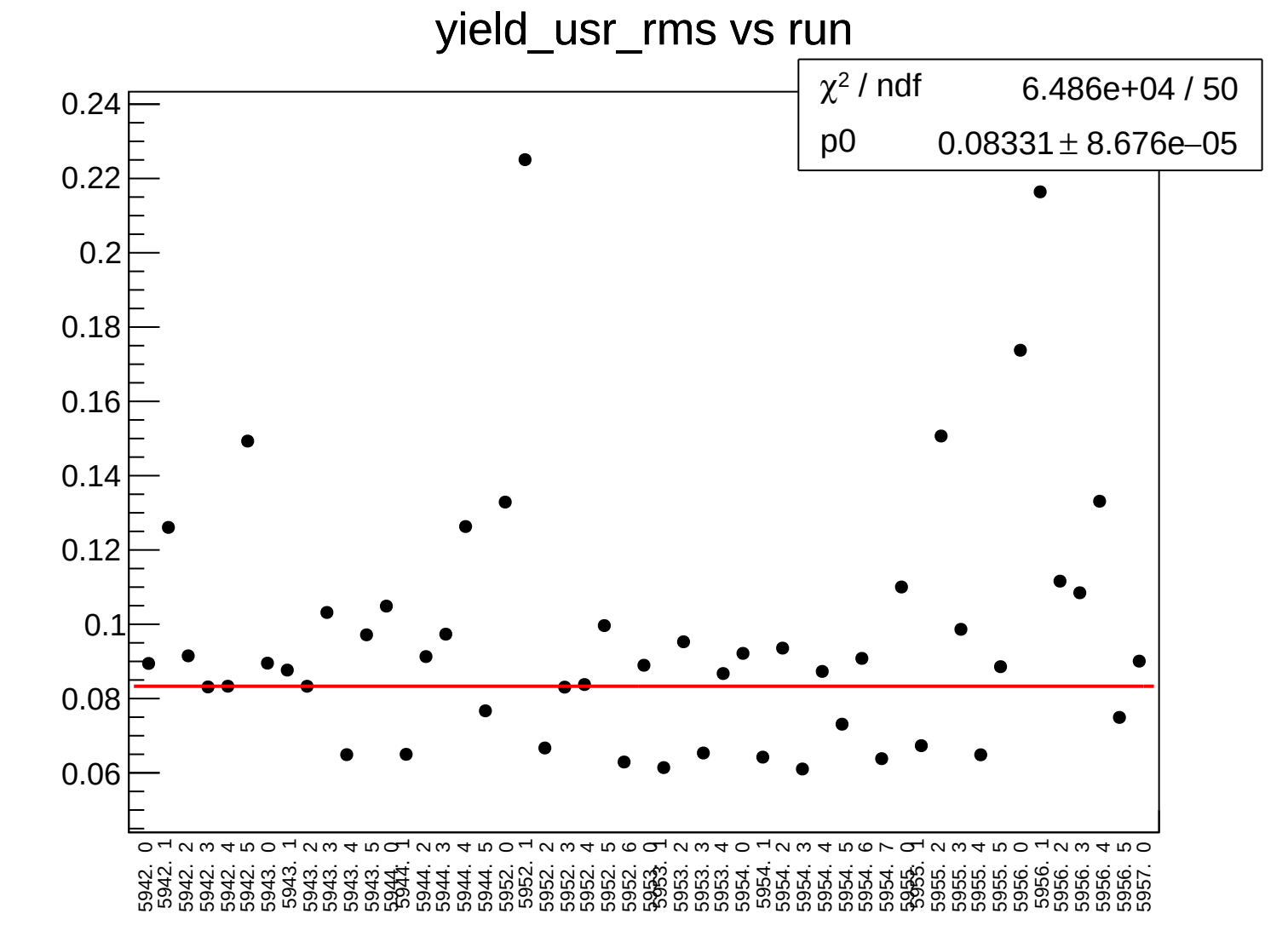

yield_usl_mean vs run
χ² / ndf 1.087e+06 / 50
p0 32.09 ± 8.716e−05
32.3
32.2
32.1
32
31.9
31.8
31.7
31.6
pull
Entries 51
Mean 2152
Std Dev 2126
300
200
100
0
−100
−200
−300

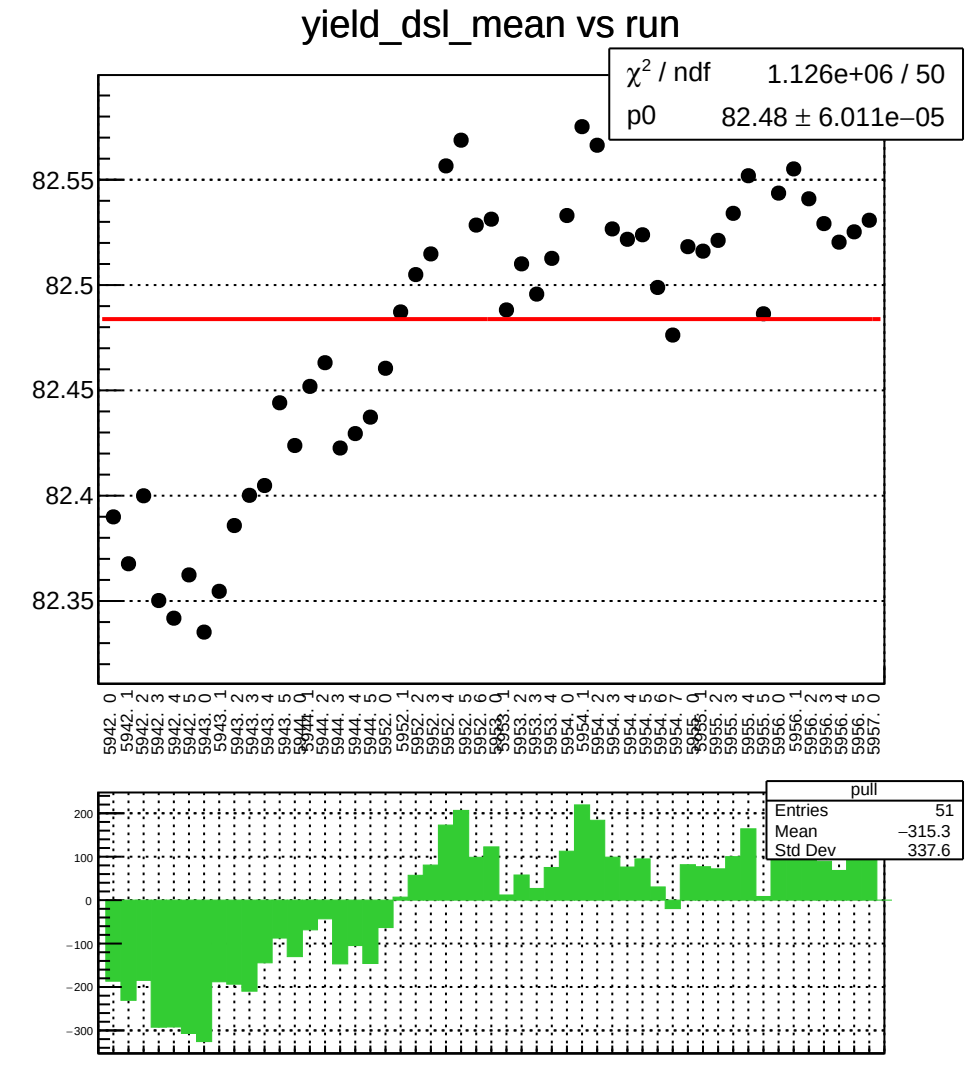

pull1D
Entries 51
Mean −3.508
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

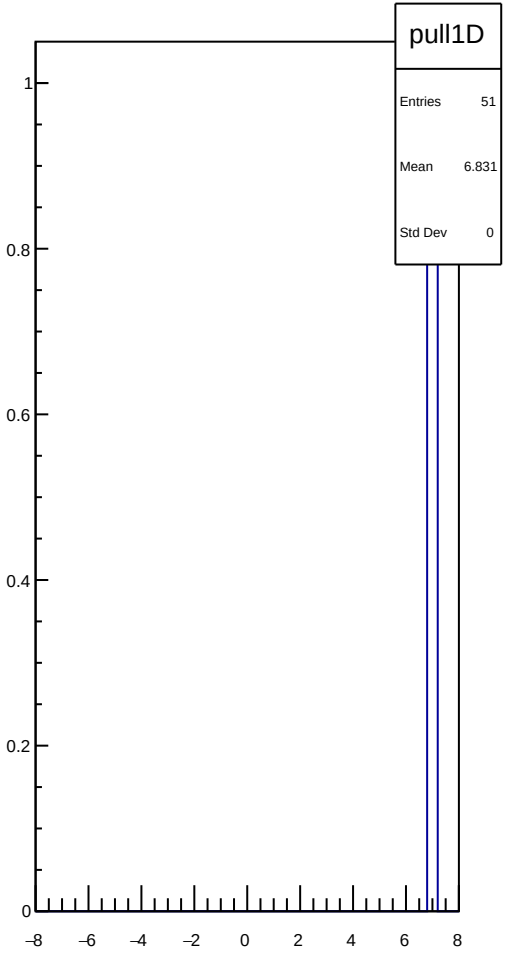

yield_usl_rms vs run
χ² / ndf 5.497e+04 / 50
p0 0.0595 ± 6.163e−05
0.3
0.25
0.2
0.15
0.1
0.05
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
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

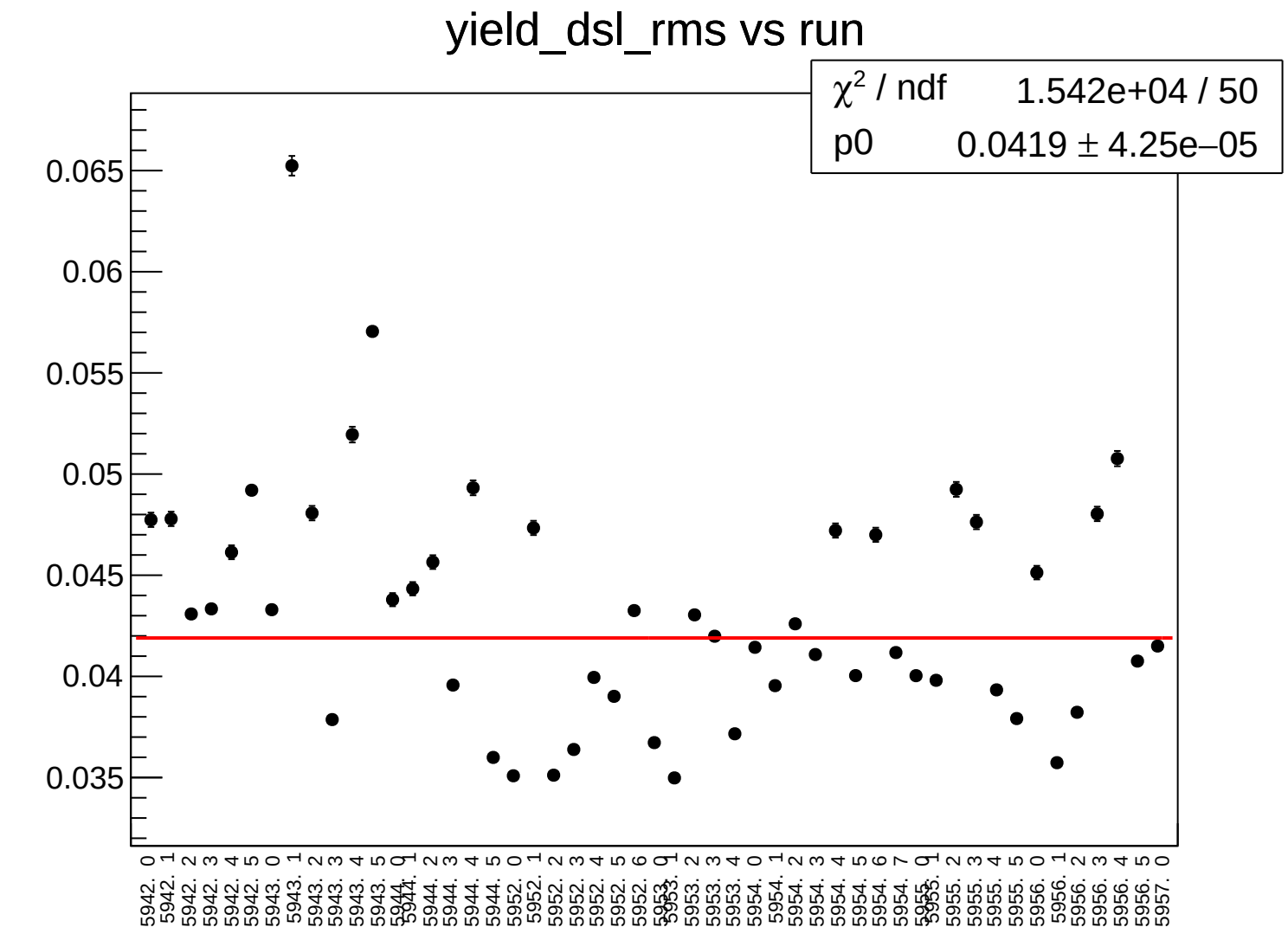

yield_usr_mean vs run
χ² / ndf 4.695e+05 / 50
p0 33.01± 0.0001227
33.2
33.1
33
32.9
32.8
32.7
32.6
pull
Entries 51
Mean 564.4
Std Dev 537.6
200
150
100
50
0
−50
−100
−150
−200

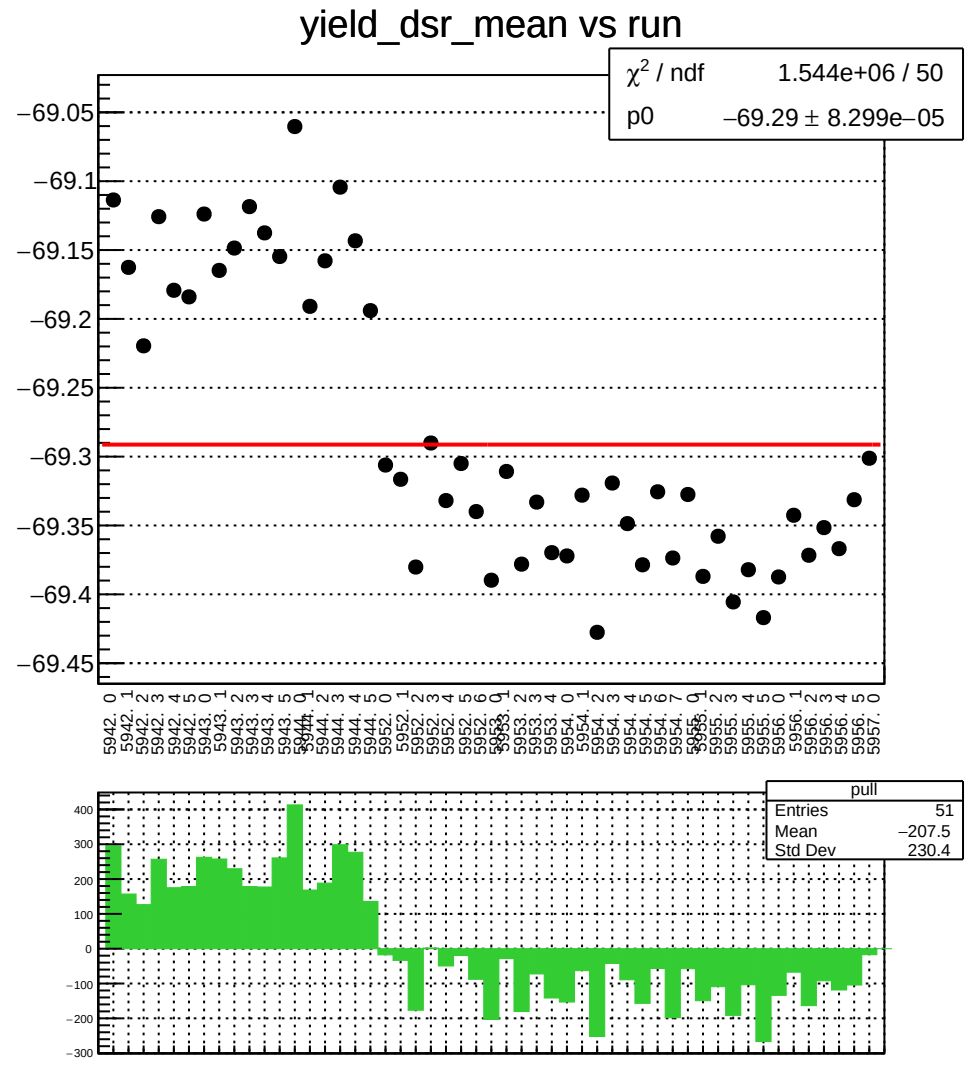

pull1D
Entries 51
Mean 0.1779
Std Dev 4.439
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

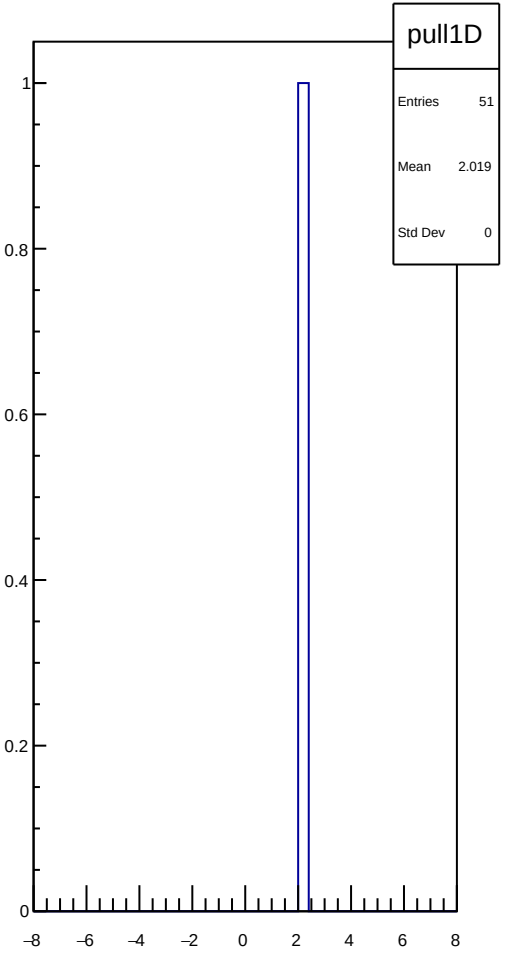

yield_usr_rms vs run
χ² / ndf 6.486e+04 / 50
p0 0.08331 ± 8.676e–05
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 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

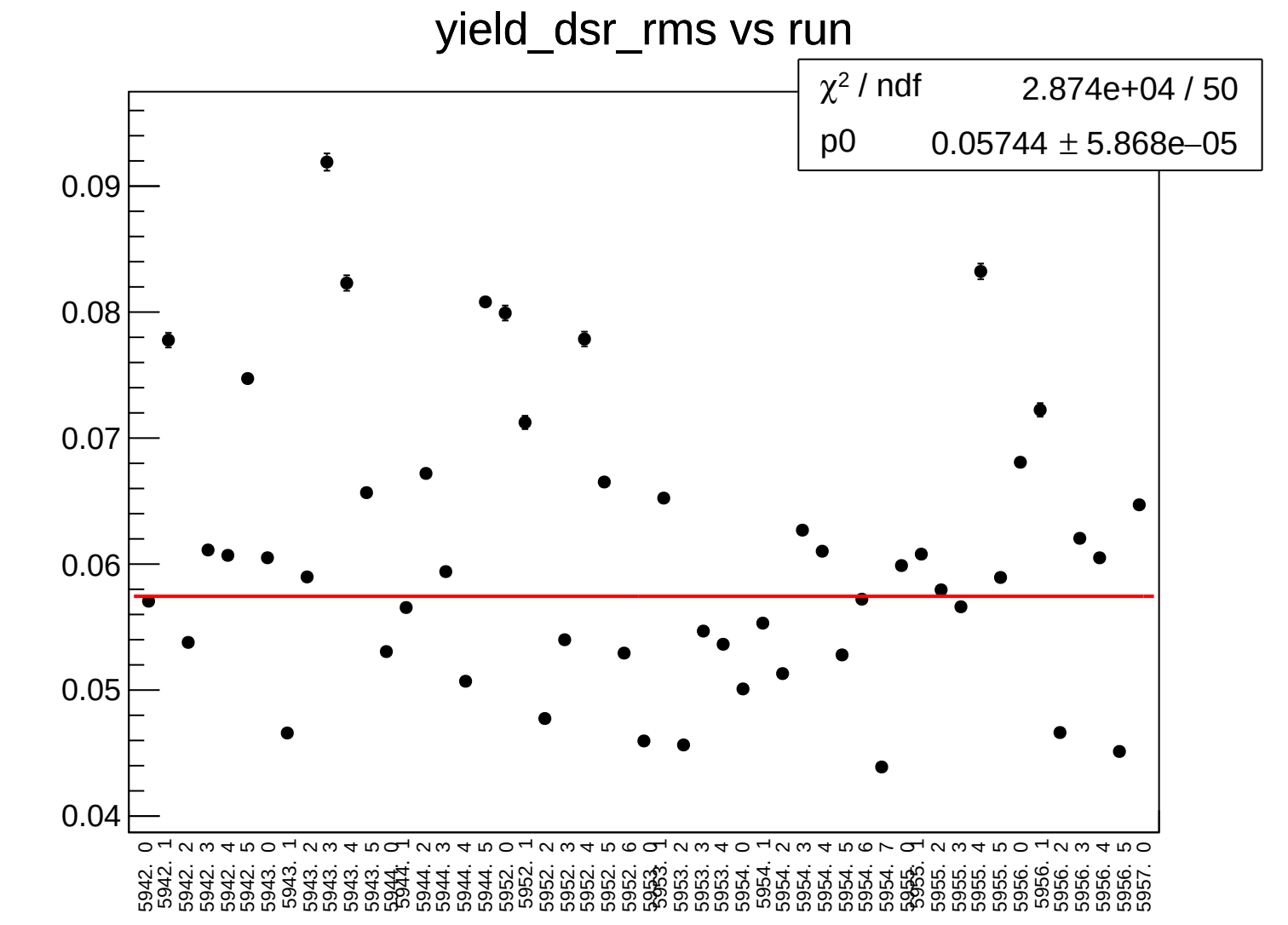

yield_dsl_mean vs run
χ² / ndf 1.126e+06 / 50
p0 82.48 ± 6.011e−05
82.55
82.5
82.45
82.4
82.35
pull
Entries 51
Mean −315.3
Std Dev 337.6
200
100
0
−100
−200
−300

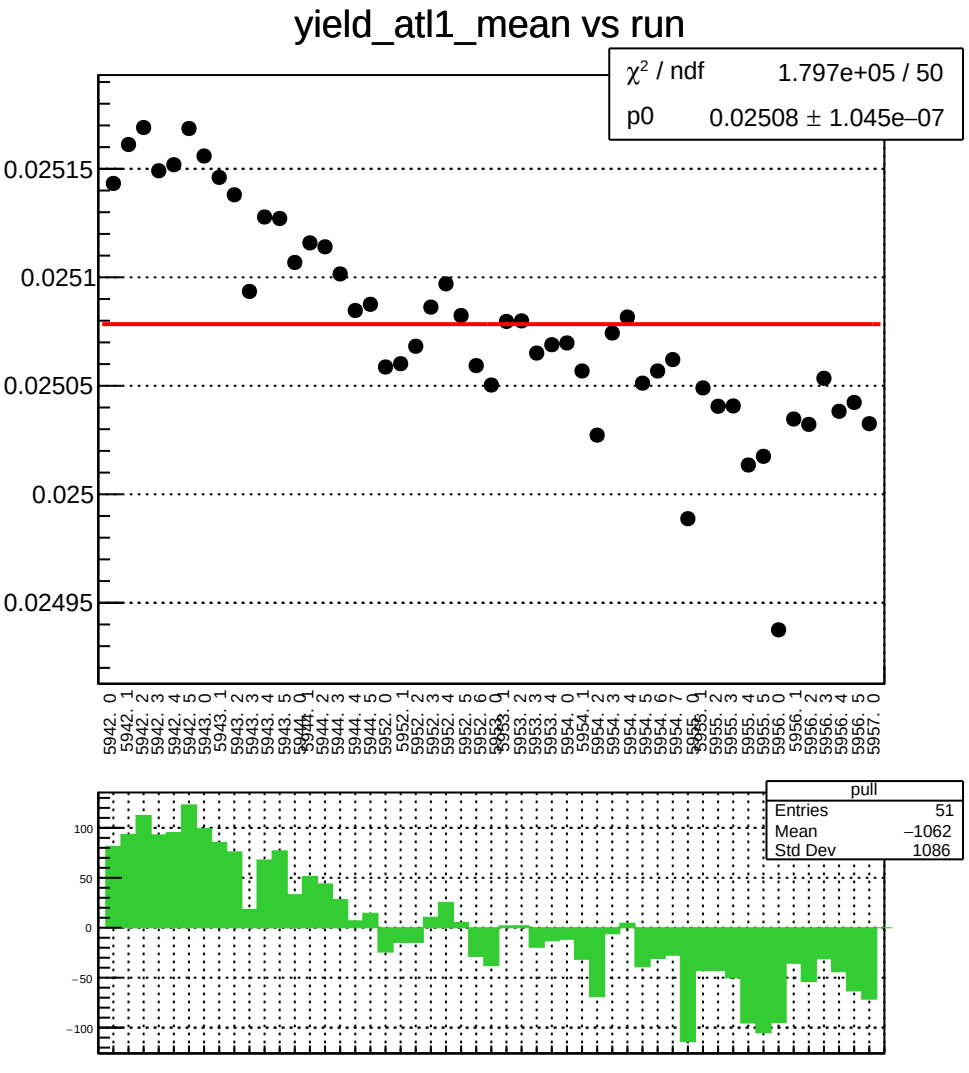

pull1D
Entries 51
Mean 6.831
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

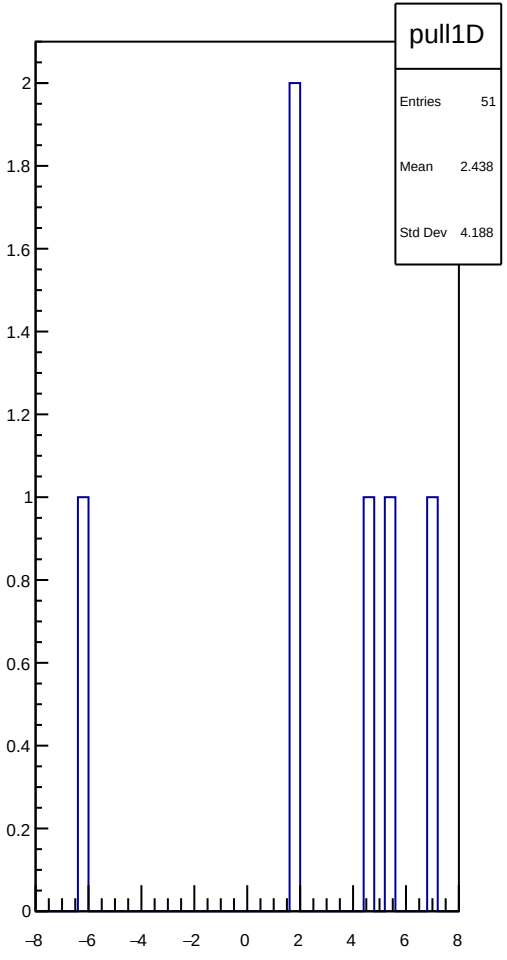

yield_dsl_rms vs run
χ² / ndf 1.542e+04 / 50
p0 0.0419 ± 4.25e−05
0.065
0.06
0.055
0.05
0.045
0.04
0.035
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 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

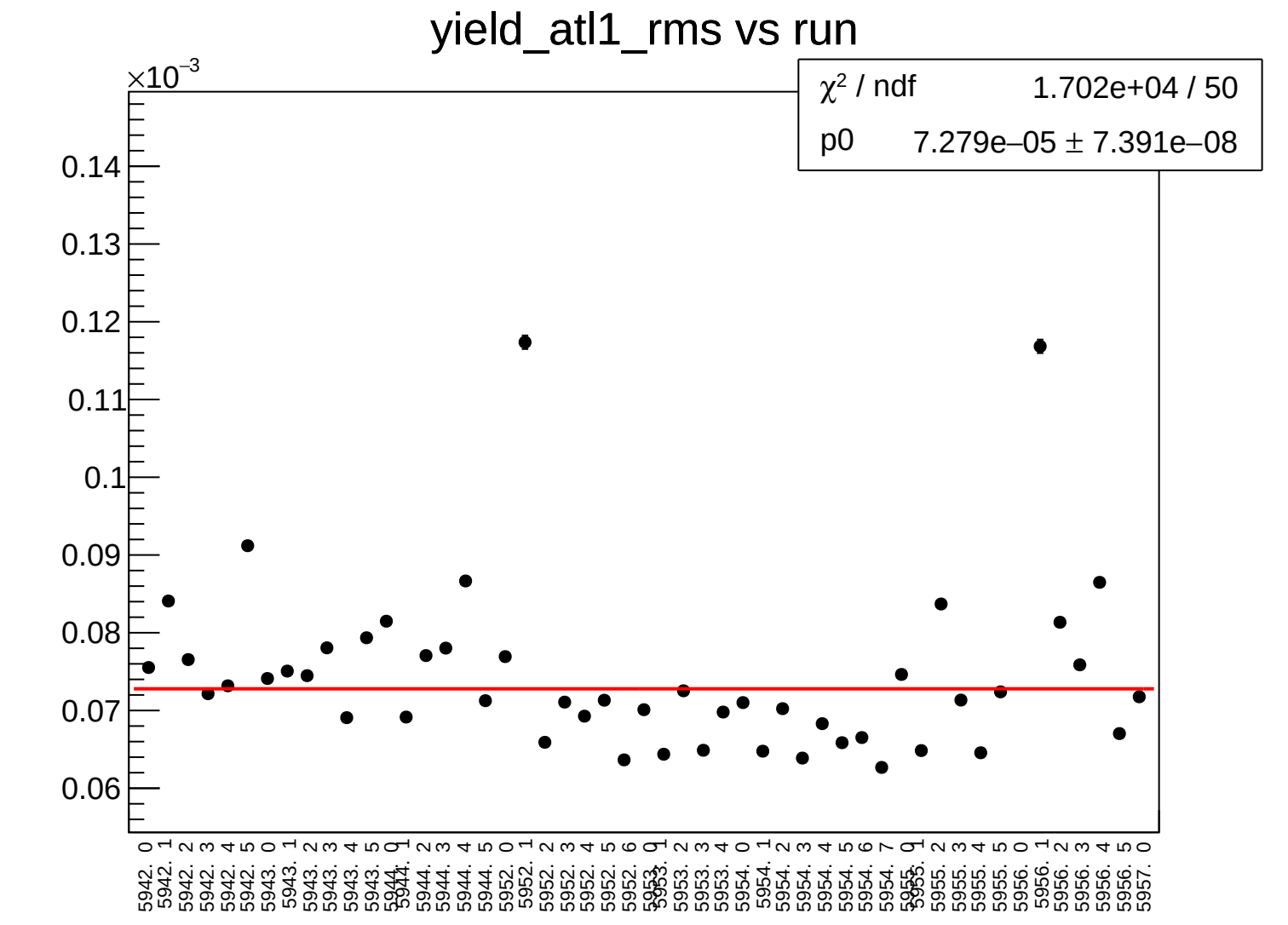

yield_dsr_mean vs run
χ² / ndf 1.544e+06 / 50
p0 −69.29 ± 8.299e−05
−69.05
−69.1
−69.15
−69.2
−69.25
−69.3
−69.35
−69.4
−69.45
pull
Entries 51
Mean −207.5
Std Dev 230.4
400
300
200
100
0
−100
−200
−300

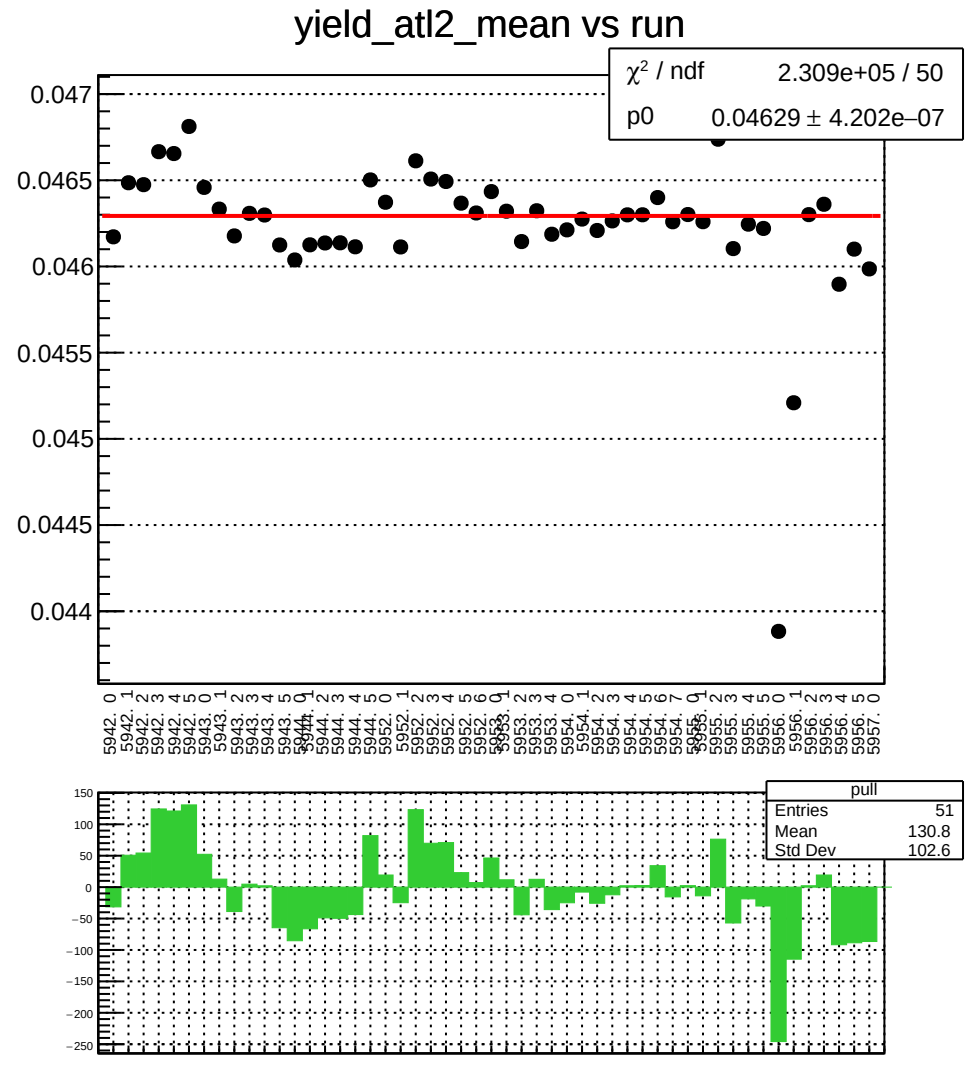

pull1D
Entries 51
Mean 2.019
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

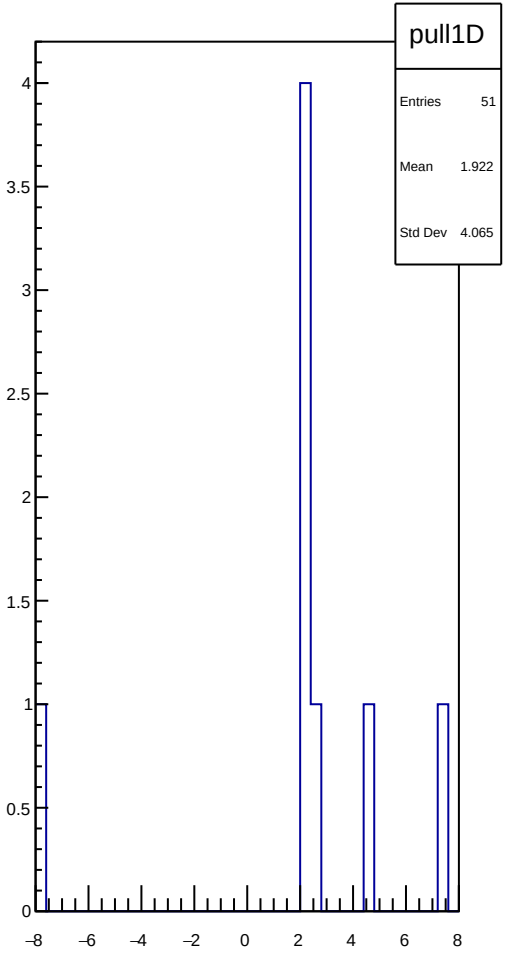

yield_dsr_rms vs run
χ² / ndf 2.874e+04 / 50
p0 0.05744 ± 5.868e–05
0.09
0.08
0.07
0.06
0.05
0.04
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 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

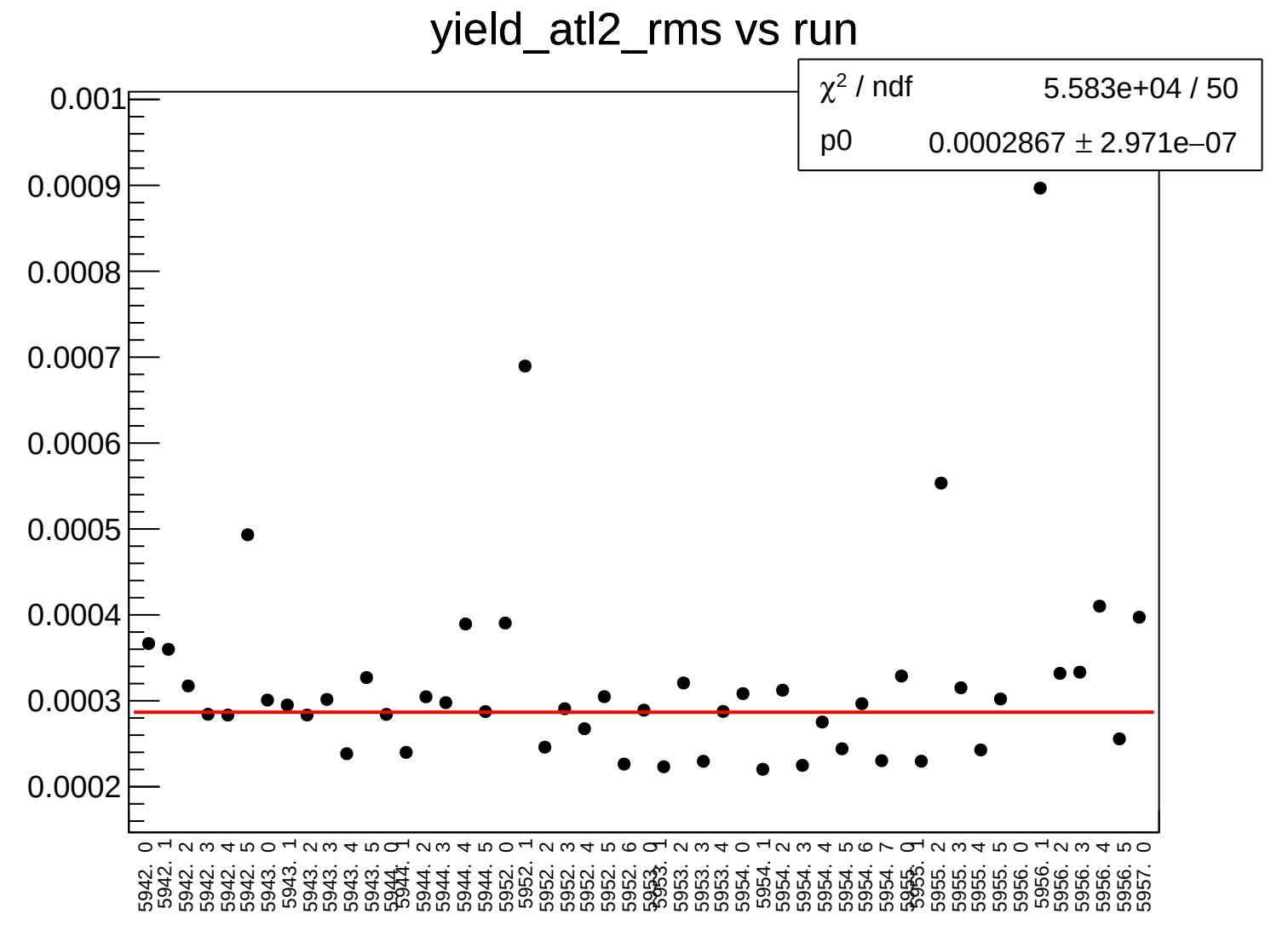

yield_atl1_mean vs run
χ² / ndf 1.797e+05 / 50
p0 0.02508 ± 1.045e−07
0.02515
0.0251
0.02505
0.025
0.02495
pull
Entries 51
Mean −1062
Std Dev 1086
100
50
0
−50
−100

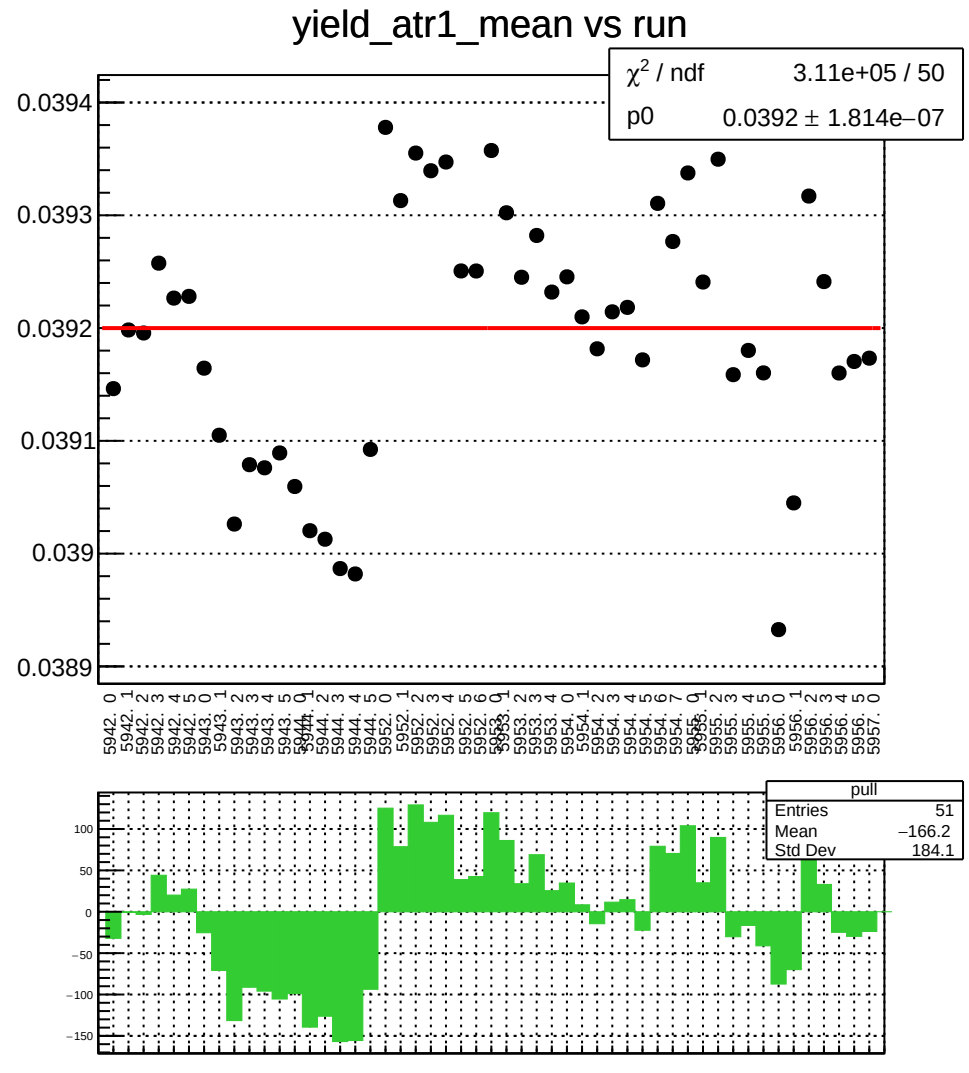

pull1D
Entries 51
Mean 2.438
Std Dev 4.188
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

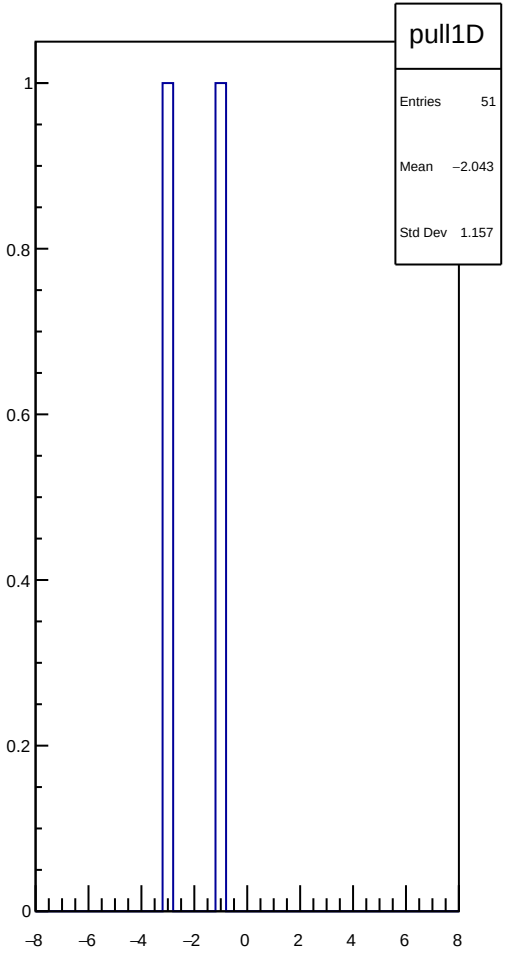

yield_atl1_rms vs run
×10⁻³
χ² / ndf 1.702e+04 / 50
p0 7.279e−05 ± 7.391e−08
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 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

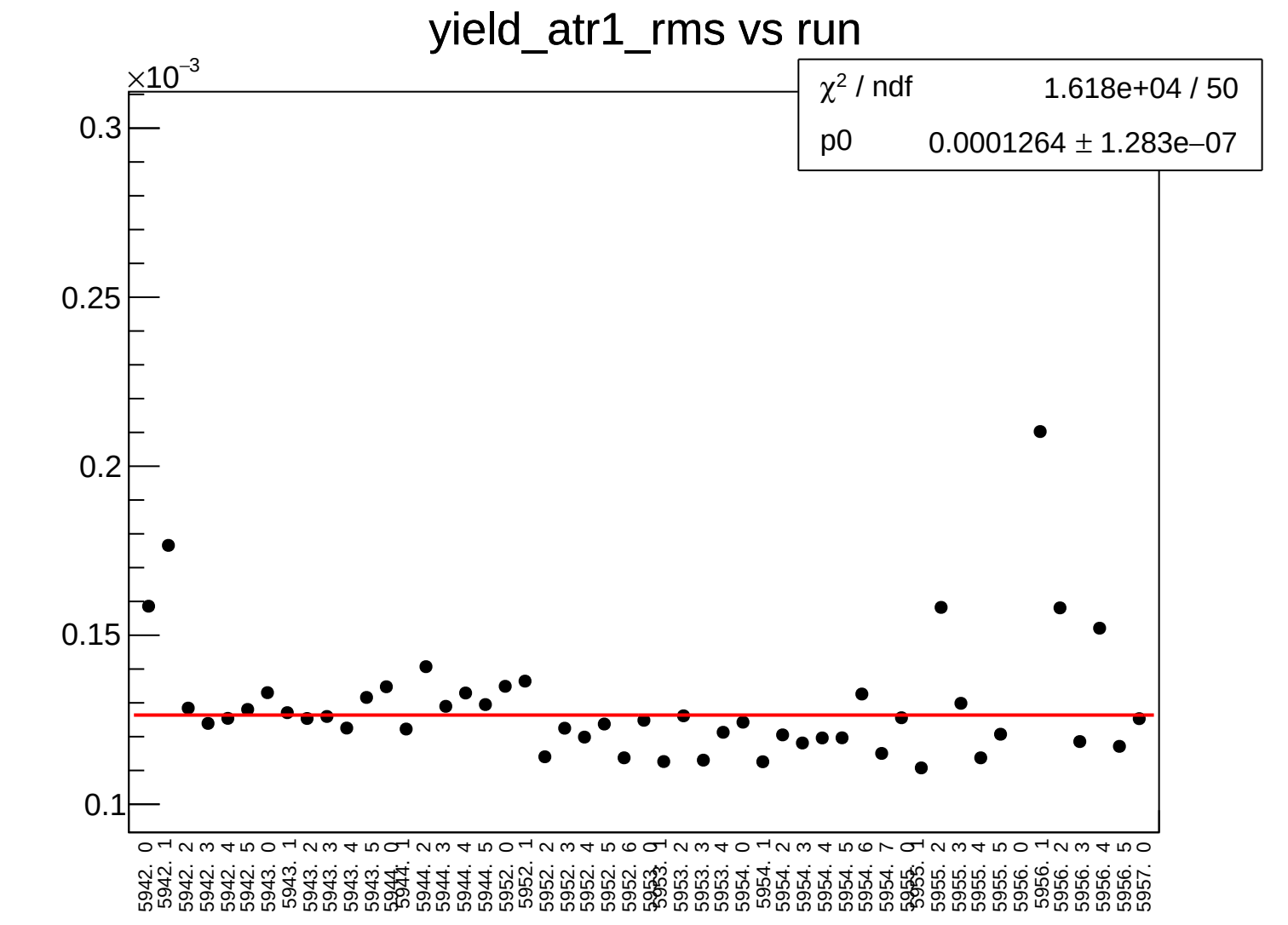

yield_atl2_mean vs run
χ² / ndf 2.309e+05 / 50
p0 0.04629 ± 4.202e−07
0.047
0.0465
0.046
0.0455
0.045
0.0445
0.044
pull
Entries 51
Mean 130.8
Std Dev 102.6
150
100
50
0
−50
−100
−150
−200
−250

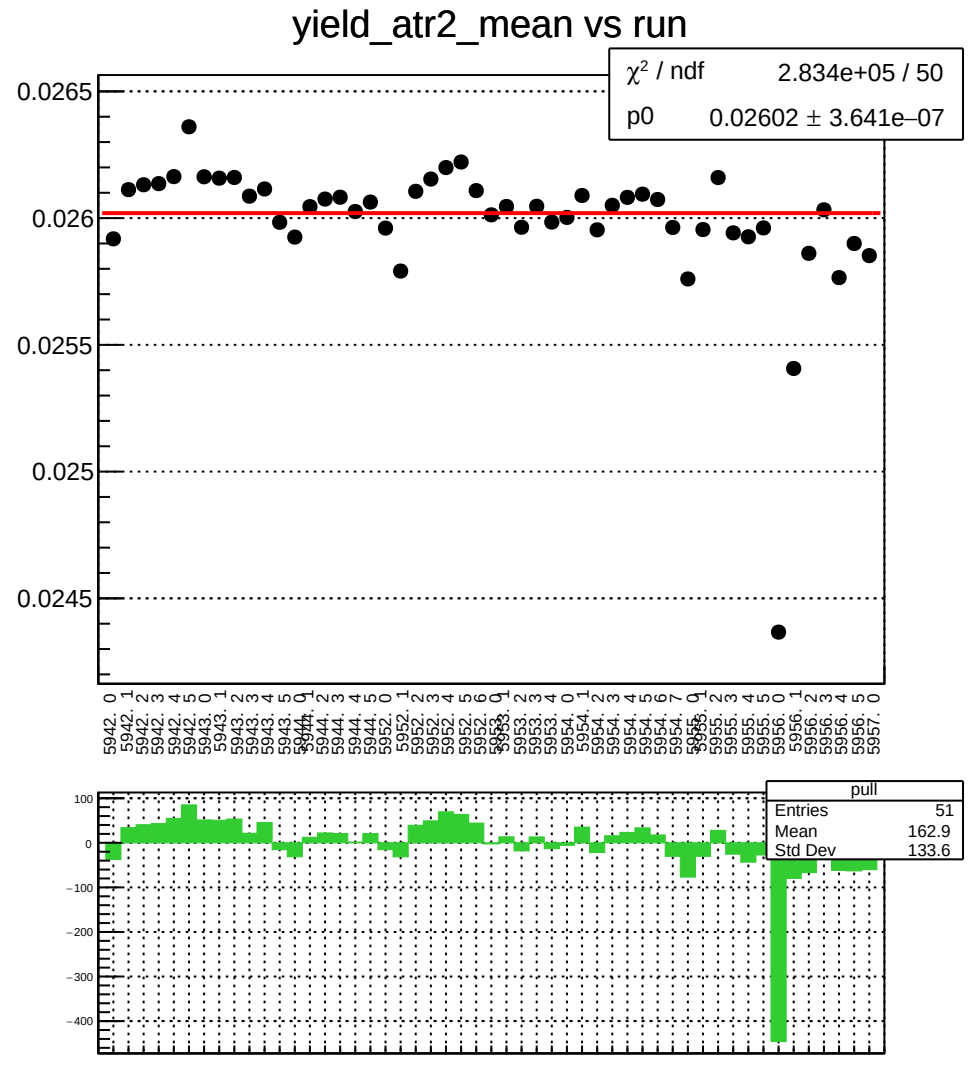

pull1D
Entries 51
Mean 1.922
Std Dev 4.065
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

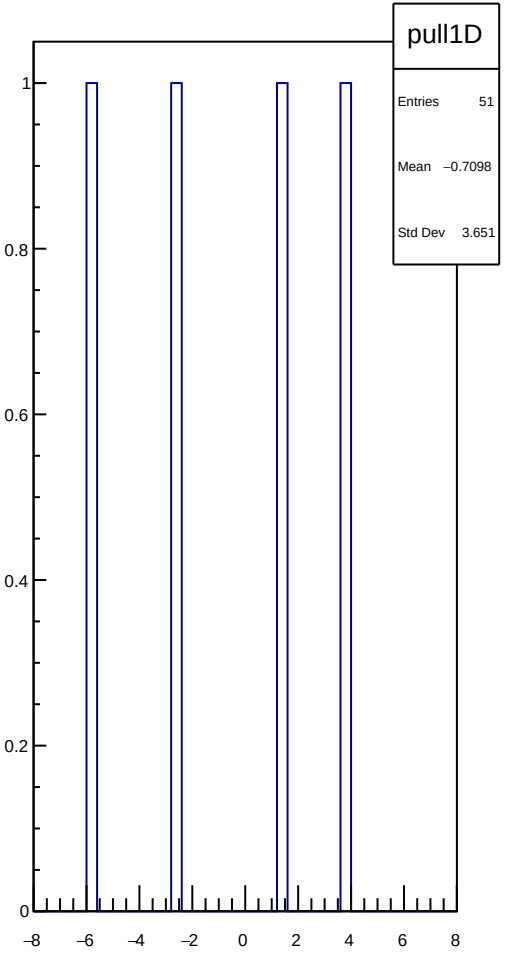

yield_atl2_rms vs run
χ² / ndf 5.583e+04 / 50
p0 0.0002867 ± 2.971e–07
0.001
0.0009
0.0008
0.0007
0.0006
0.0005
0.0004
0.0003
0.0002
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
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

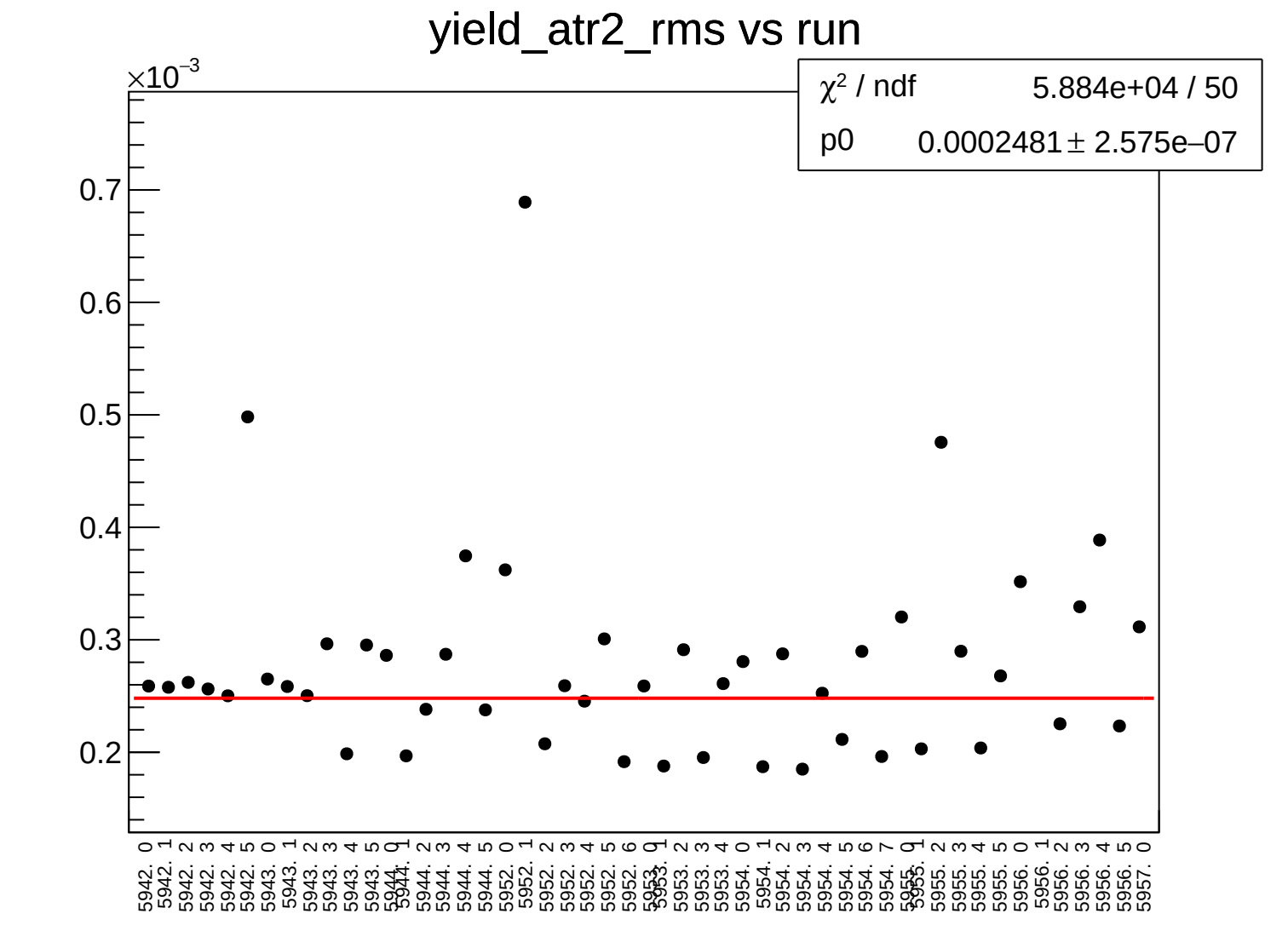

yield_atr1_mean vs run
χ² / ndf 3.11e+05 / 50
p0 0.0392 ± 1.814e−07
0.0394
0.0393
0.0392
0.0391
0.039
0.0389
pull
Entries 51
Mean −166.2
Std Dev 184.1
100
50
0
−50
−100
−150

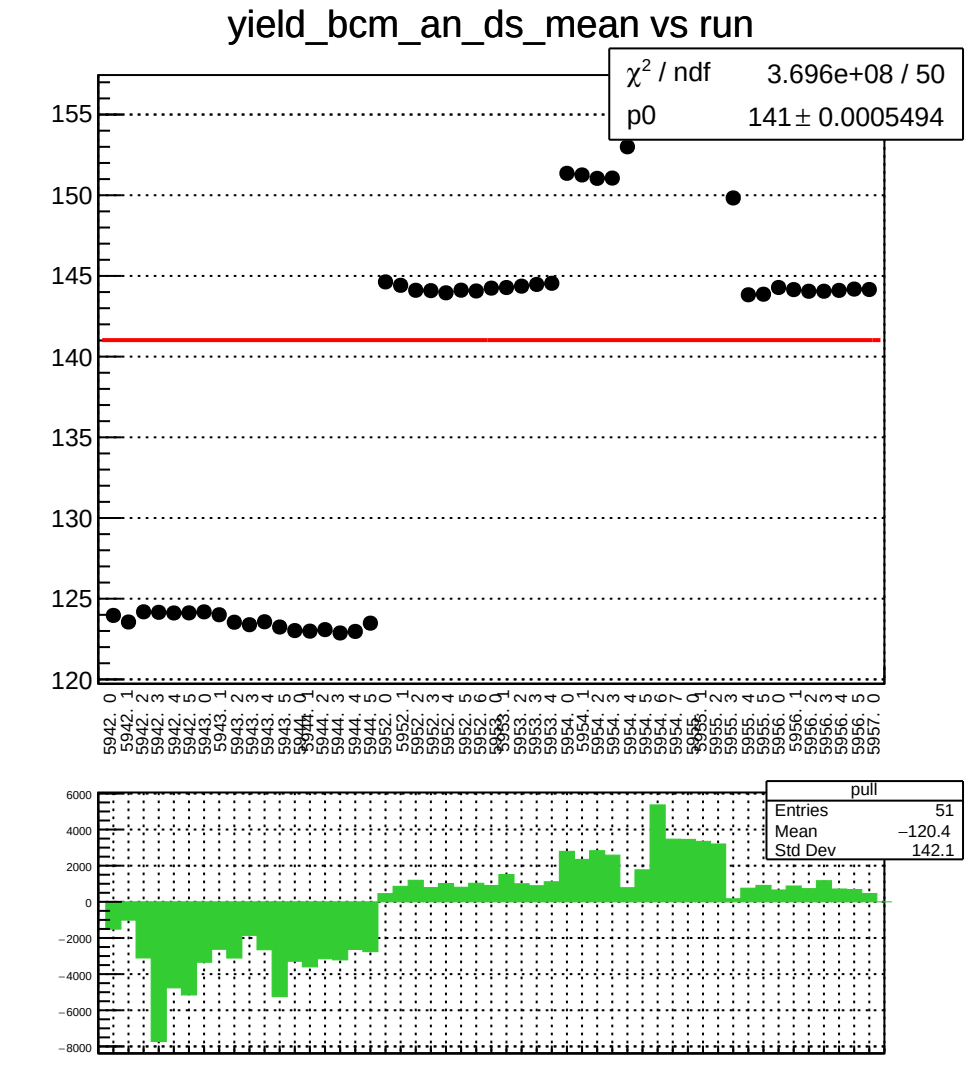

pull1D
Entries 51
Mean −2.043
Std Dev 1.157
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

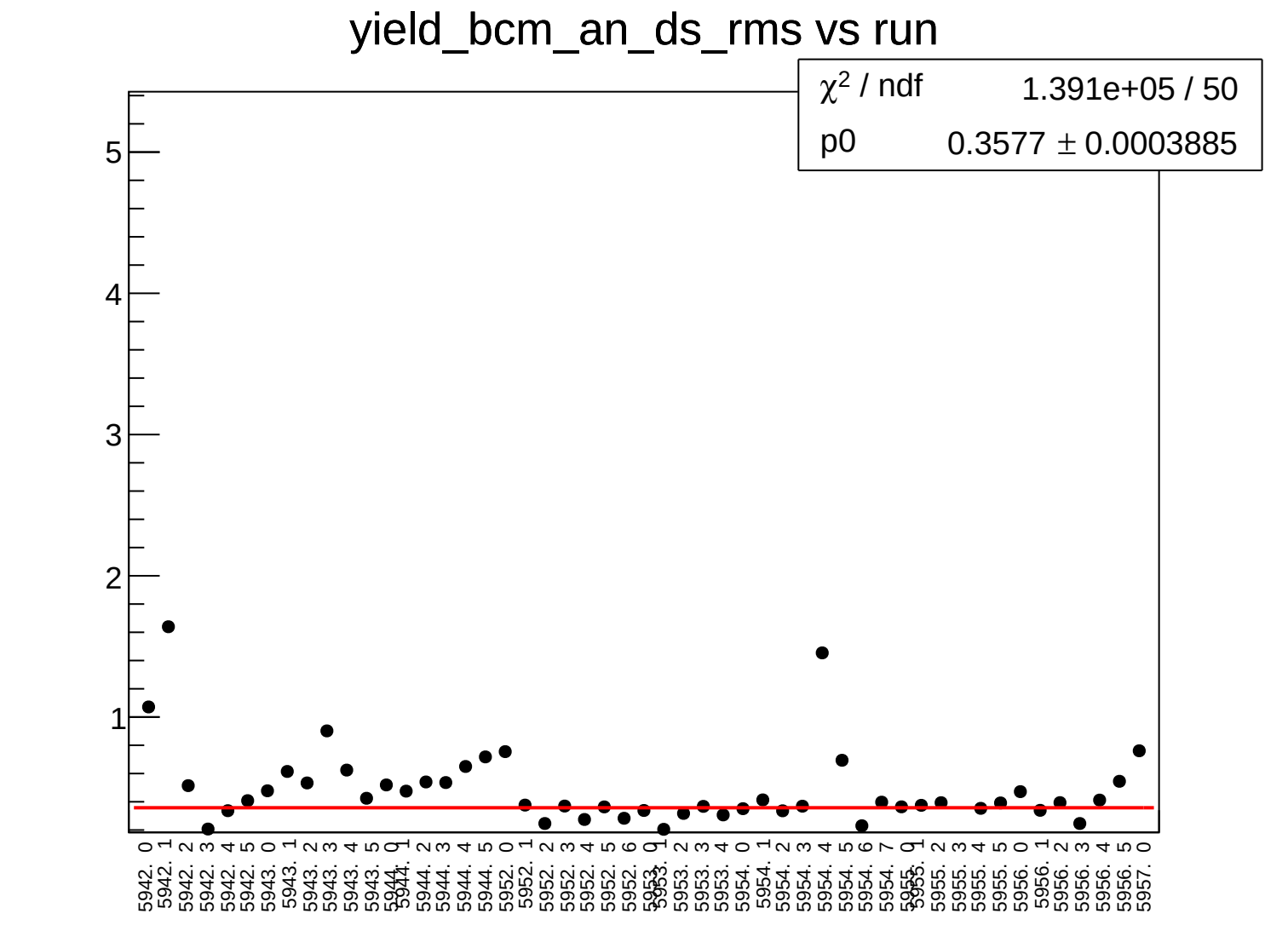

yield_atr1_rms vs run
×10⁻³
χ² / ndf 1.618e+04 / 50
p0 0.0001264 ± 1.283e−07
0.3
0.25
0.2
0.15
0.1
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 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

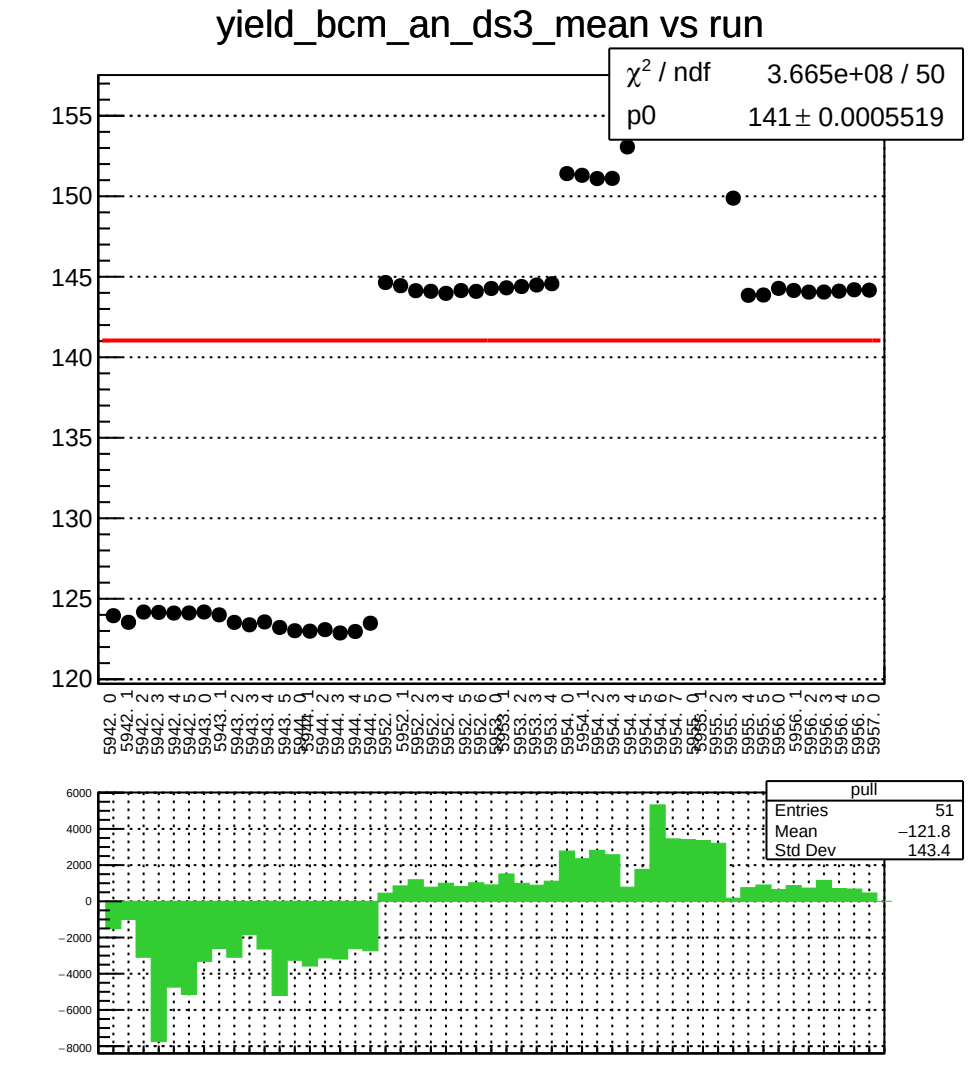

yield_atr2_mean vs run
χ² / ndf 2.834e+05 / 50
p0 0.02602 ± 3.641e−07
0.0265
0.026
0.0255
0.025
0.0245
pull
Entries 51
Mean 162.9
Std Dev 133.6
100
0
−100
−200
−300
−400

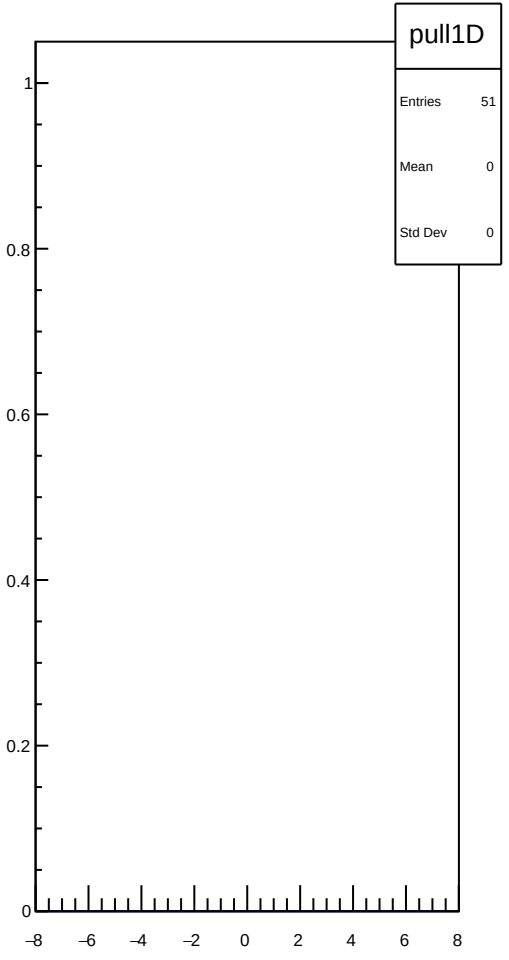

pull1D
Entries 51
Mean −0.7098
Std Dev 3.651
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

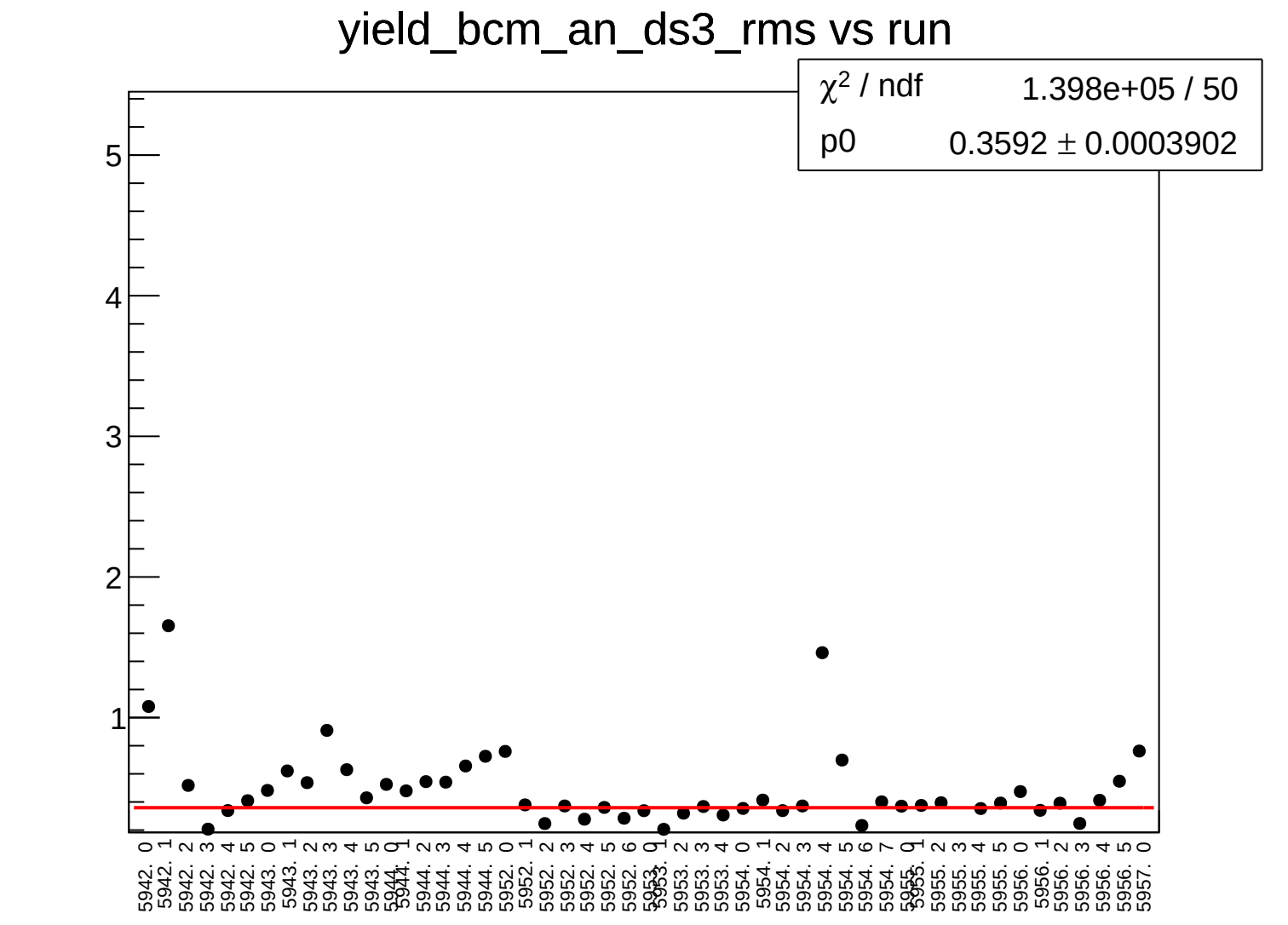

yield_atr2_rms vs run
×10⁻³
χ² / ndf 5.884e+04 / 50
p0 0.0002481 ± 2.575e−07
0.7
0.6
0.5
0.4
0.3
0.2
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
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

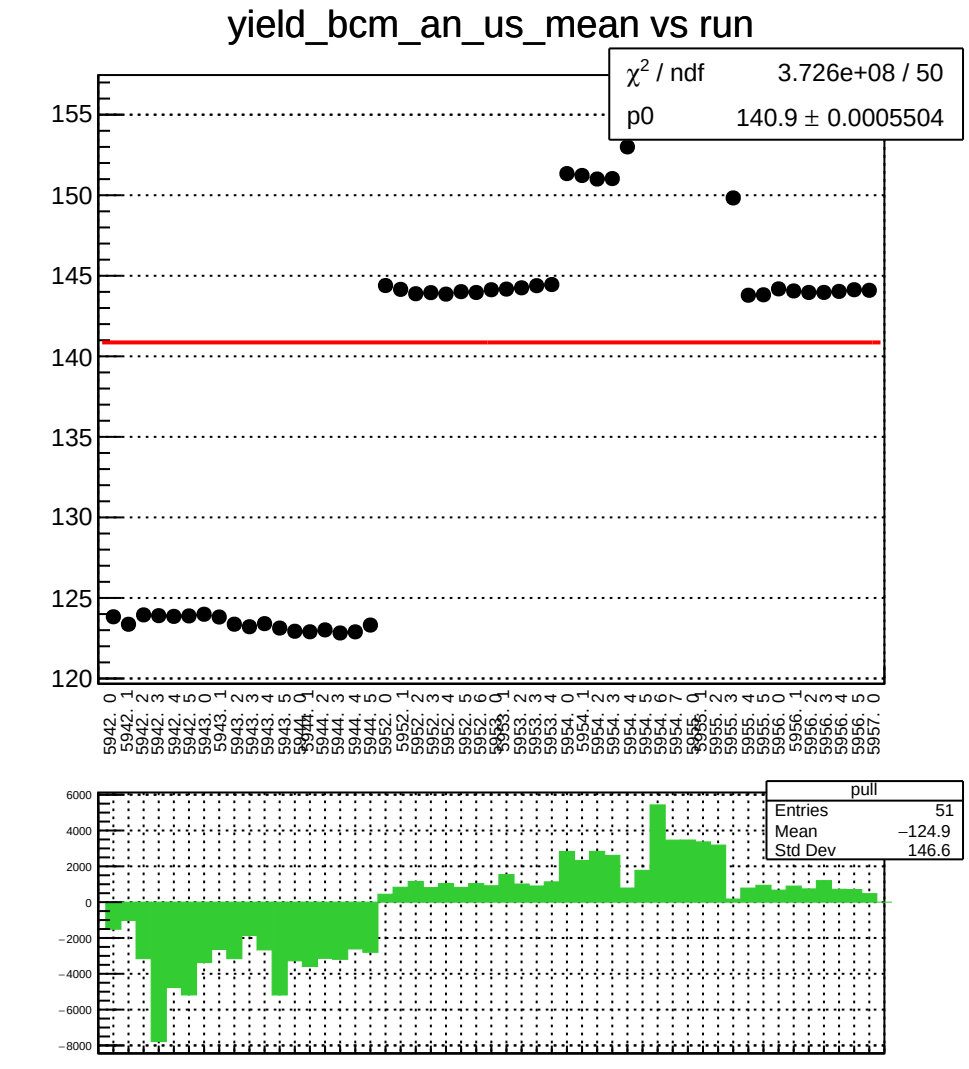

yield_bcm_an_ds_mean vs run
χ² / ndf 3.696e+08 / 50
p0 141 ± 0.0005494
155
150
145
140
135
130
125
120
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5952. 9
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 3
5954. 4
5954. 5
5954. 6
5954. 7
5954. 9
5955. 2
5955. 3
5955. 4
5955. 5
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5956. 0
5957. 0
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 51
Mean −120.4
Std Dev 142.1
pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

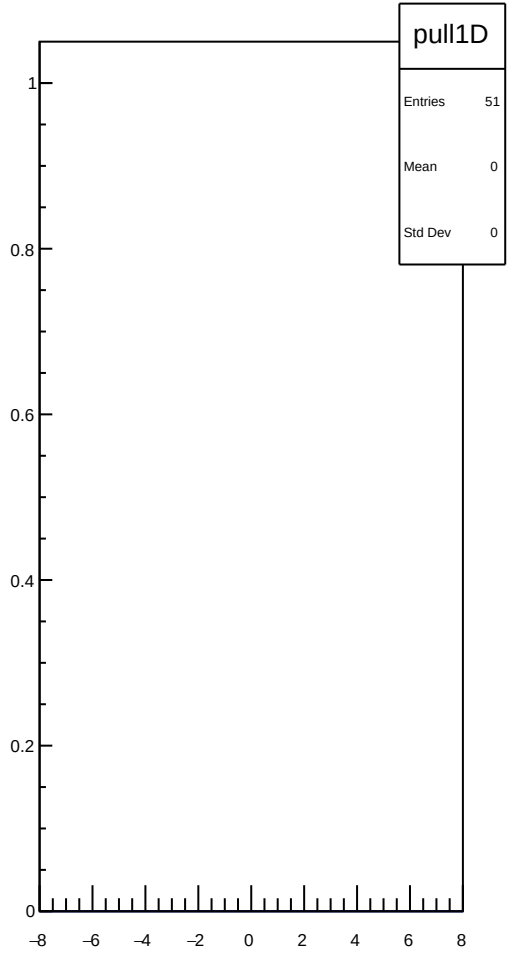

yield_bcm_an_ds_rms vs run
χ² / ndf 1.391e+05 / 50
p0 0.3577 ± 0.0003885
5
4
3
2
1
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 1
5953. 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

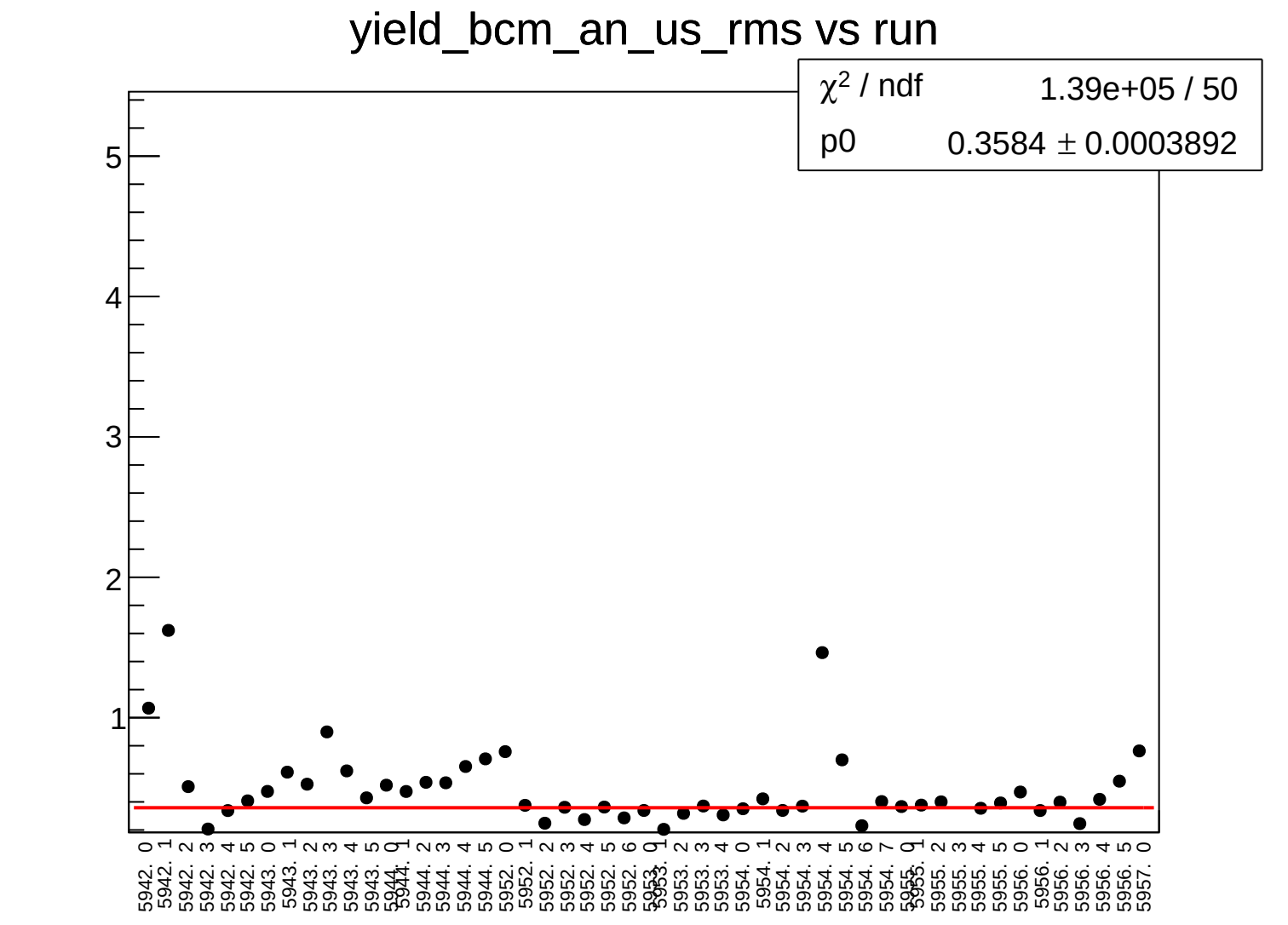

yield_bcm_an_ds3_mean vs run
χ² / ndf 3.665e+08 / 50
p0 141 ± 0.0005519
155
150
145
140
135
130
125
120
pull
Entries 51
Mean −121.8
Std Dev 143.4
6000
4000
2000
0
−2000
−4000
−6000
−8000

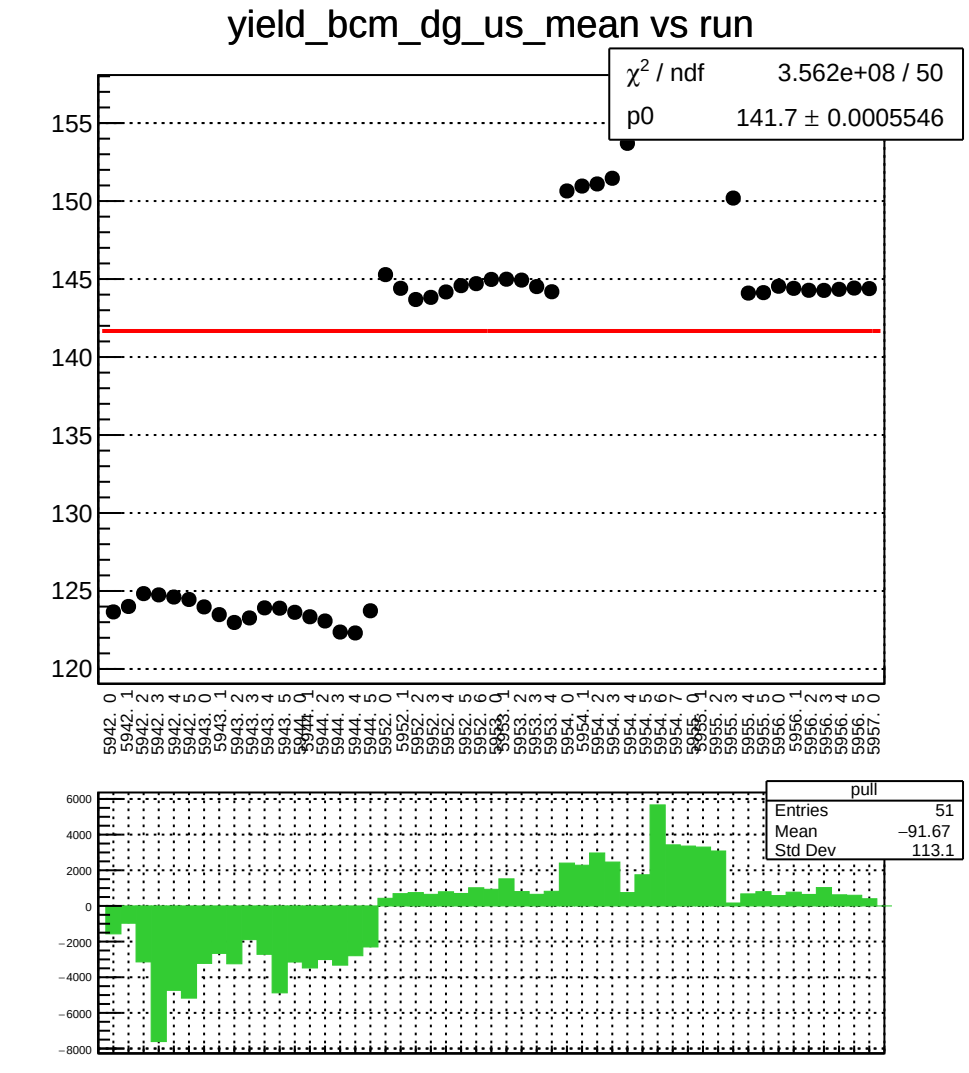

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

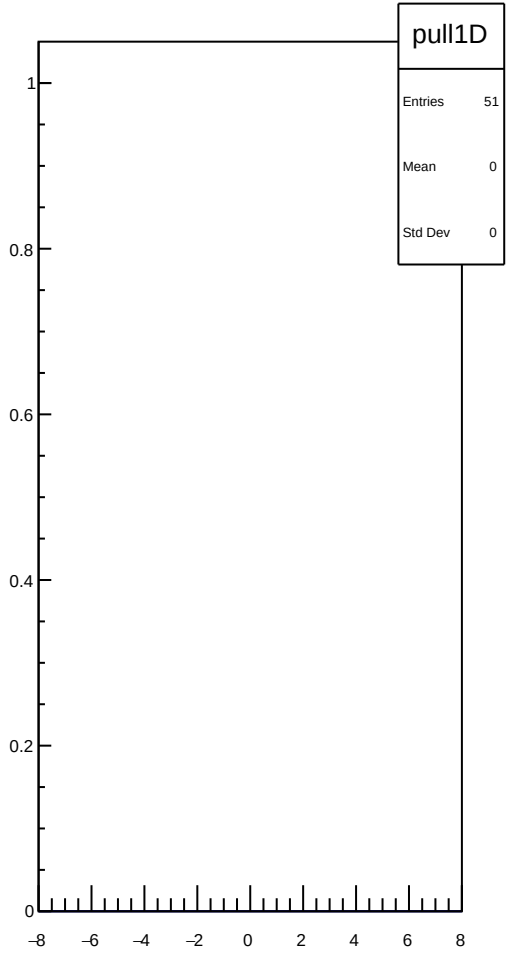

yield_bcm_an_ds3_rms vs run
χ² / ndf 1.398e+05 / 50
p0 0.3592 ± 0.0003902
5
4
3
2
1
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 1
5953. 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

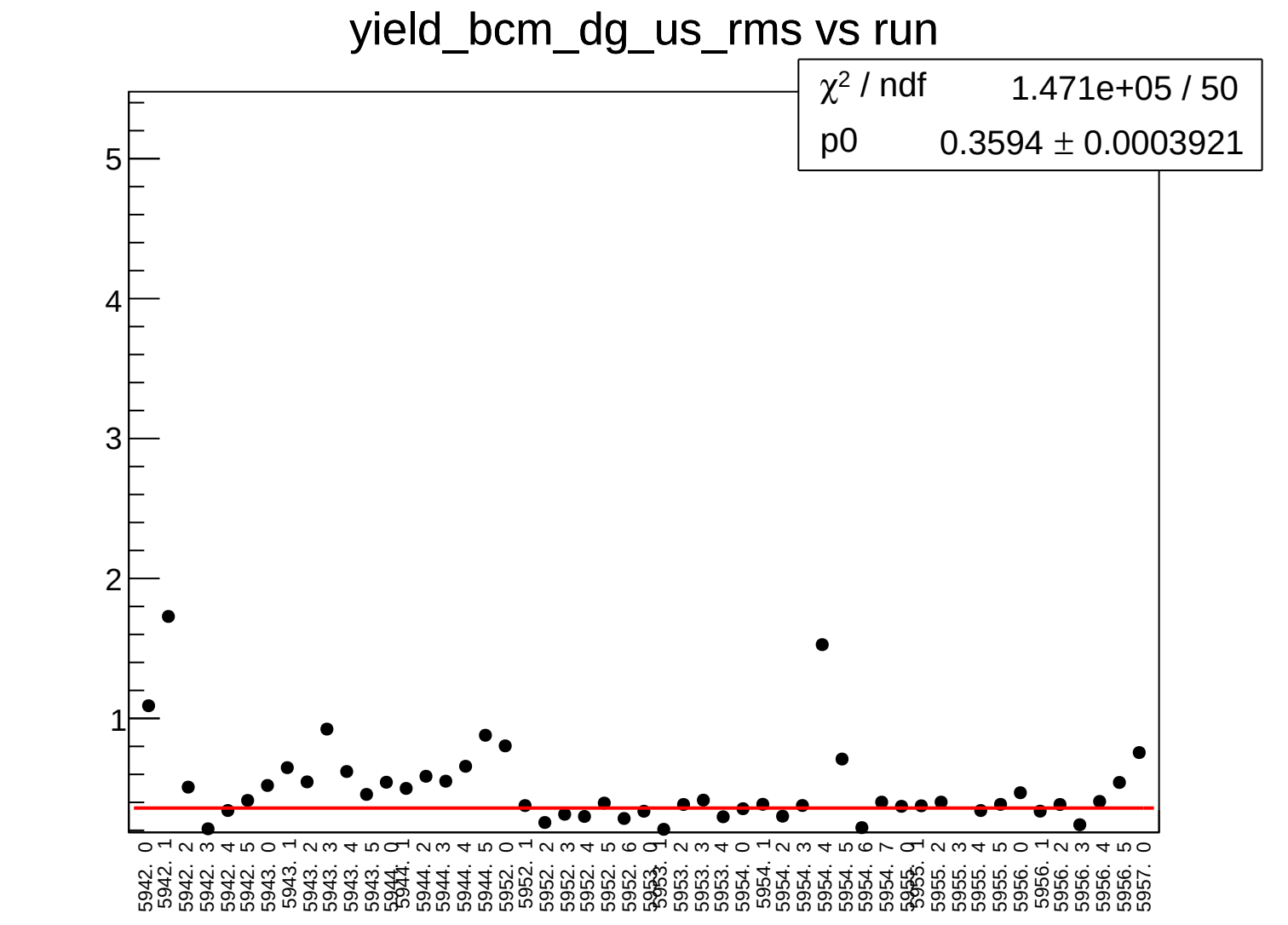

yield_bcm_an_us_mean vs run
χ² / ndf 3.726e+08 / 50
p0 140.9 ± 0.0005504
pull
Entries 51
Mean −124.9
Std Dev 146.6

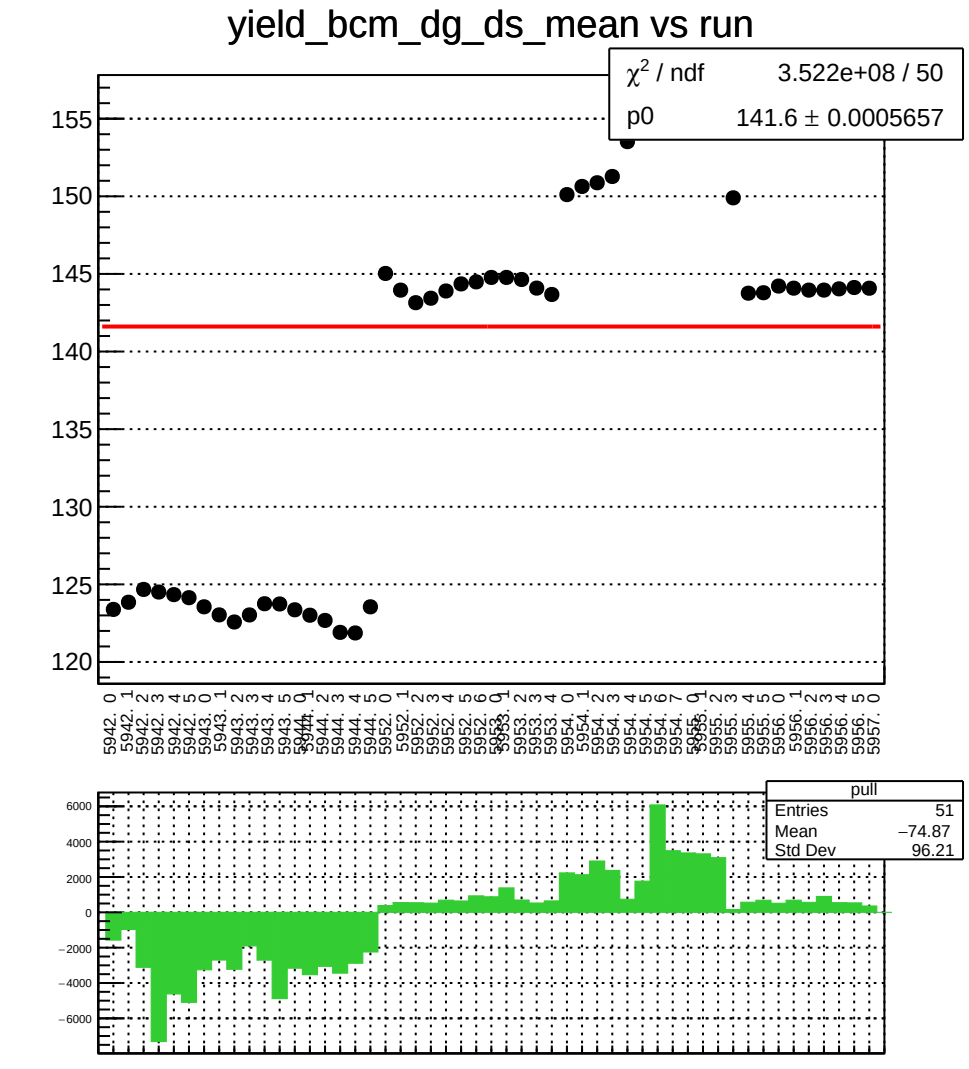

pull1D
Entries 51
Mean 0
Std Dev 0

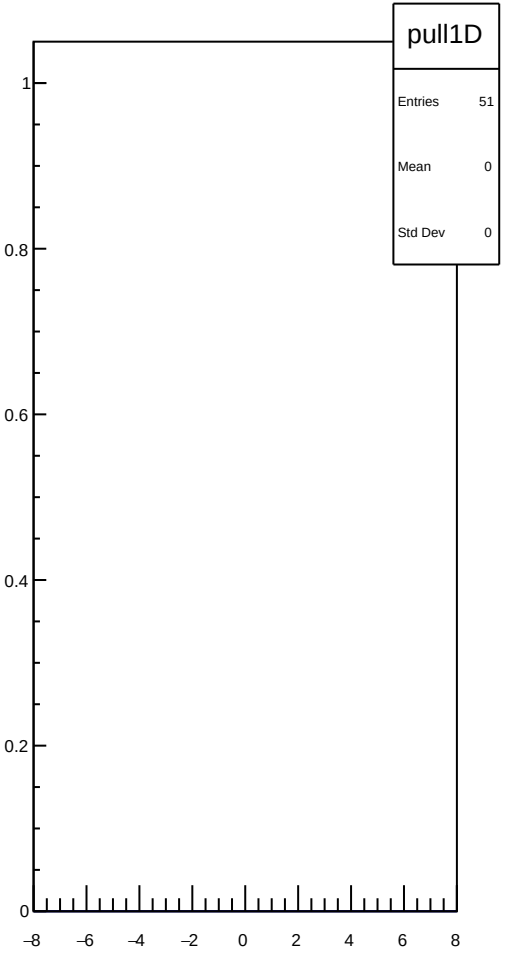

yield_bcm_an_us_rms vs run
χ² / ndf 1.39e+05 / 50
p0 0.3584 ± 0.0003892
5
4
3
2
1
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 1
5953. 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

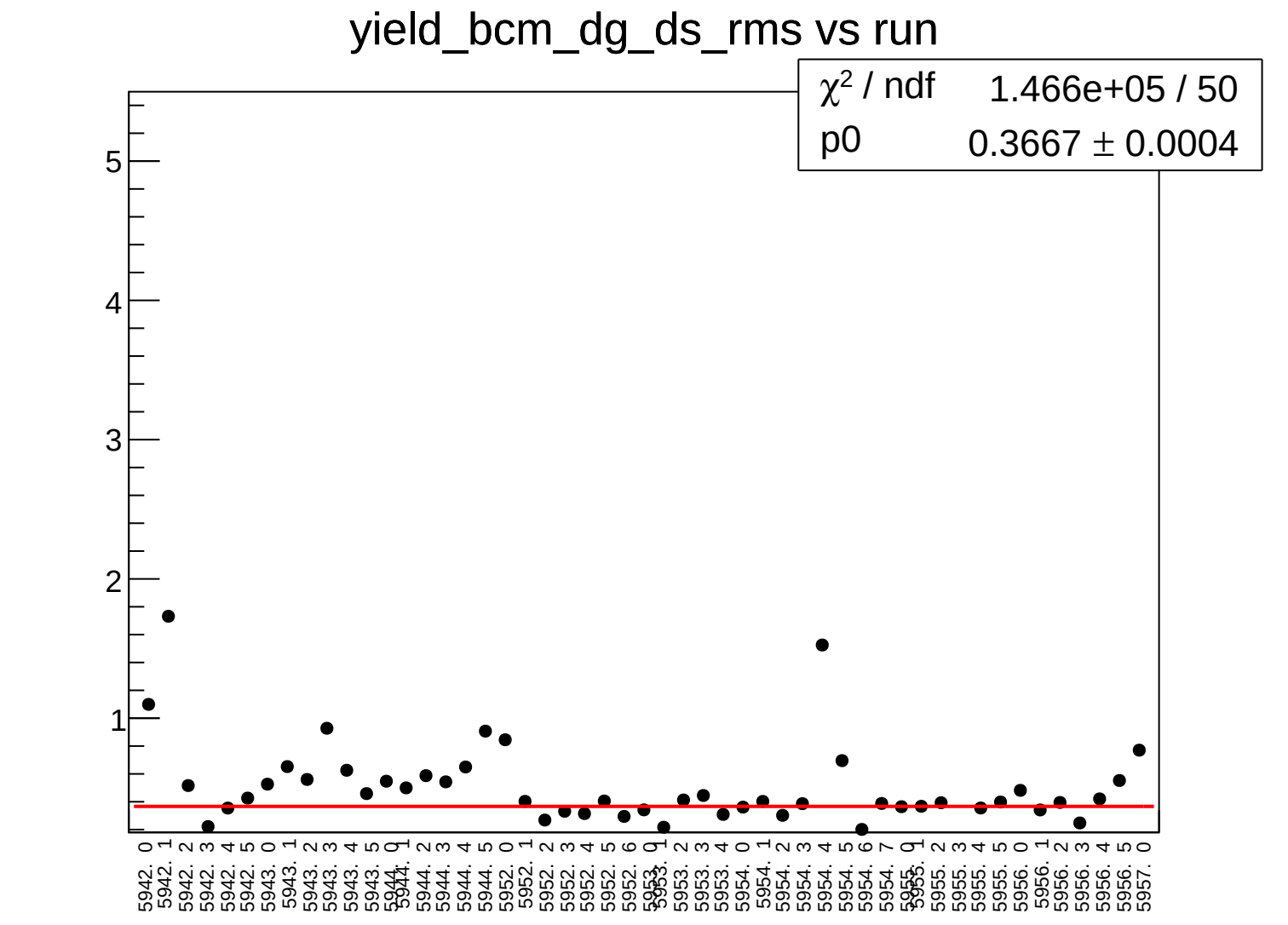

yield_bcm_dg_us_mean vs run
χ² / ndf 3.562e+08 / 50
p0 141.7 ± 0.0005546
pull
Entries 51
Mean −91.67
Std Dev 113.1

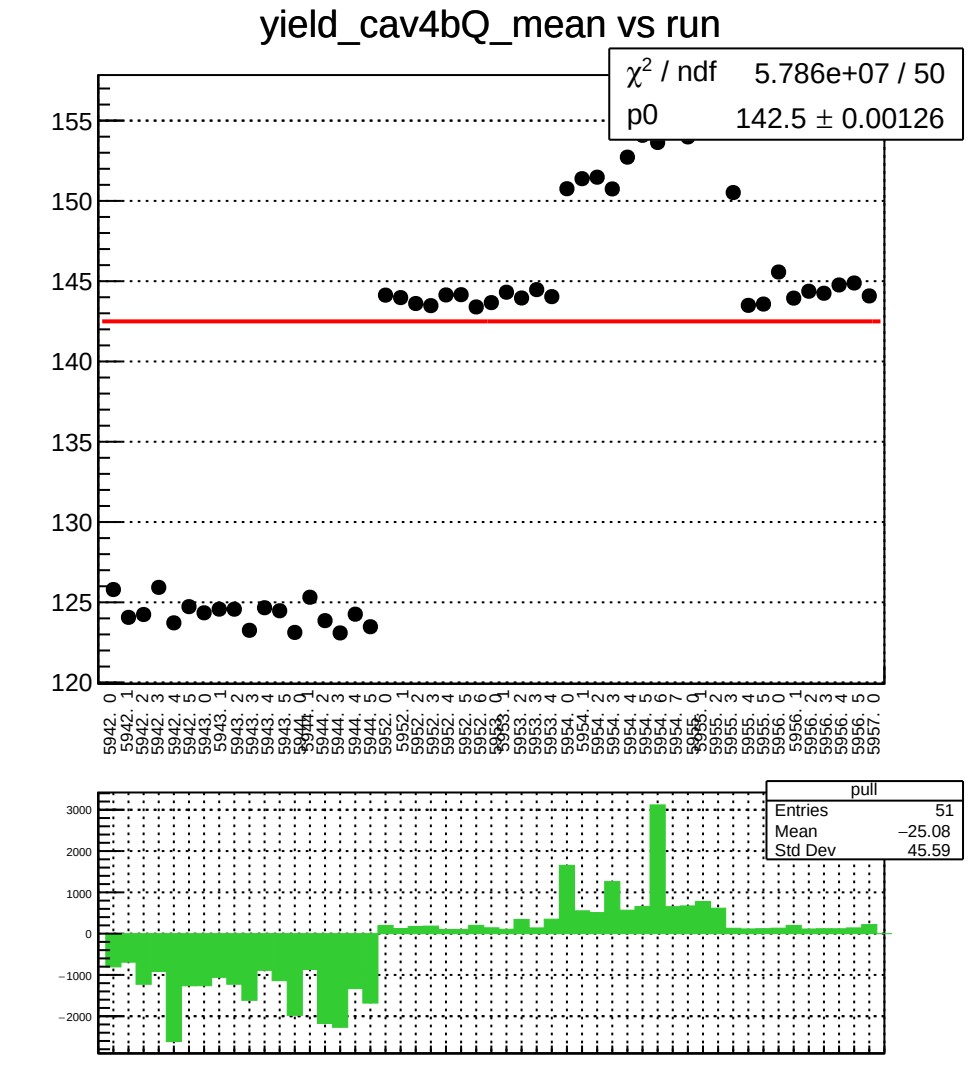

pull1D
Entries 51
Mean 0
Std Dev 0

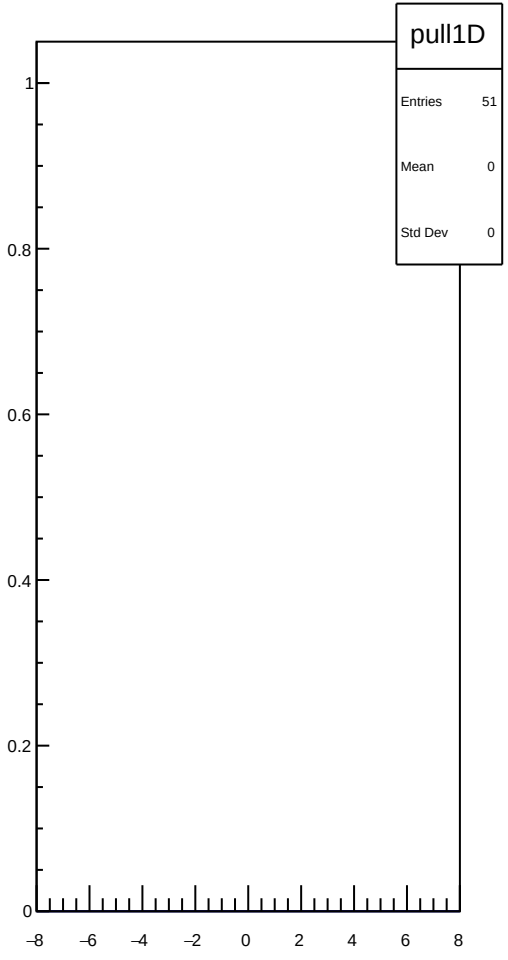

yield_bcm_dg_us_rms vs run
χ² / ndf 1.471e+05 / 50
p0 0.3594 ± 0.0003921
5
4
3
2
1
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 1
5953. 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

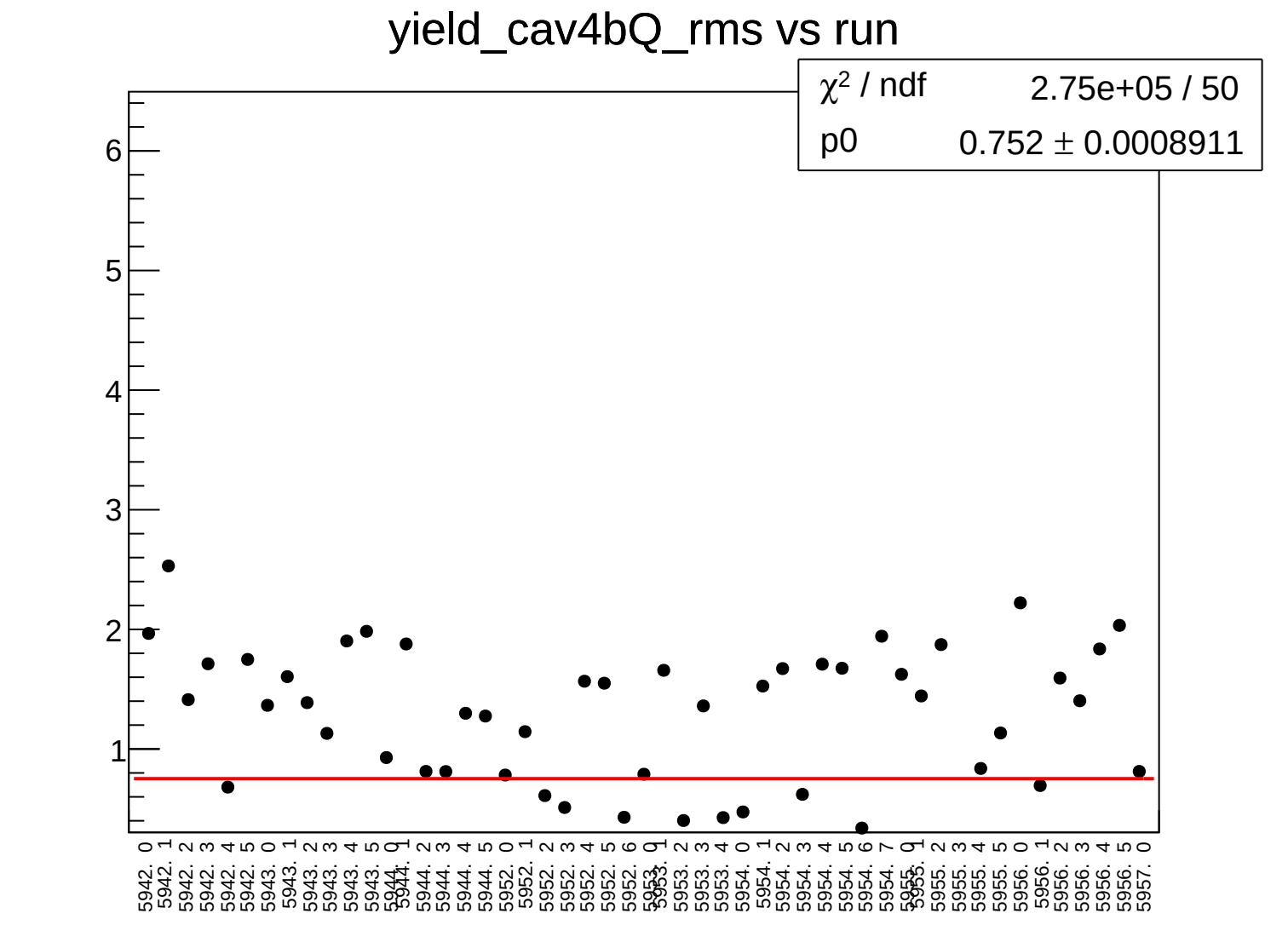

yield_bcm_dg_ds_mean vs run
χ² / ndf 3.522e+08 / 50
p0 141.6 ± 0.0005657
155
150
145
140
135
130
125
120
pull
Entries 51
Mean −74.87
Std Dev 96.21
6000
4000
2000
0
−2000
−4000
−6000

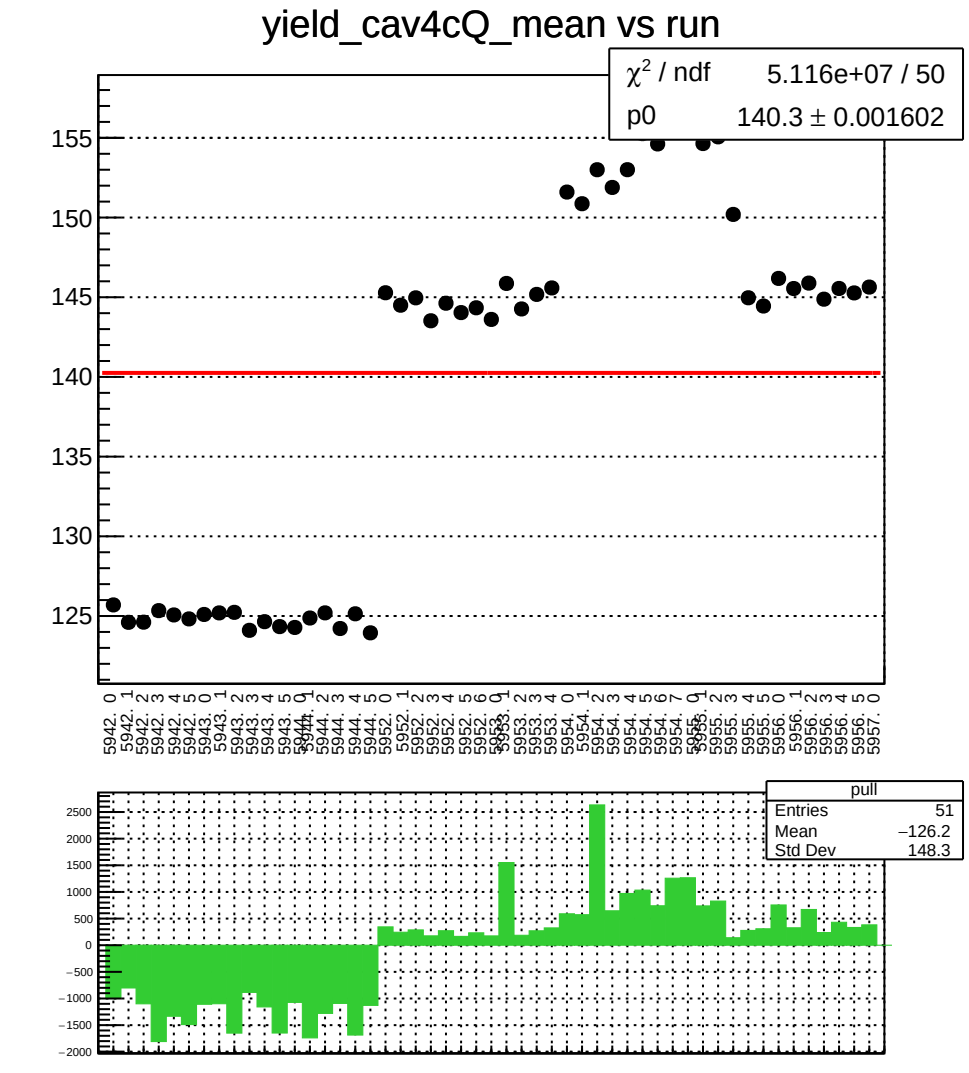

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

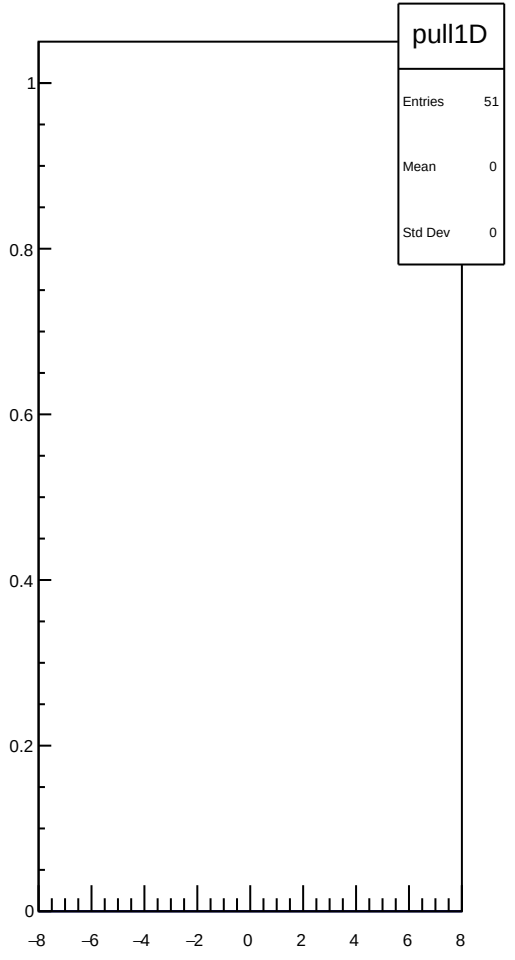

yield_bcm_dg_ds_rms vs run
χ² / ndf 1.466e+05 / 50
p0 0.3667 ± 0.0004
5
4
3
2
1
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 1
5953. 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

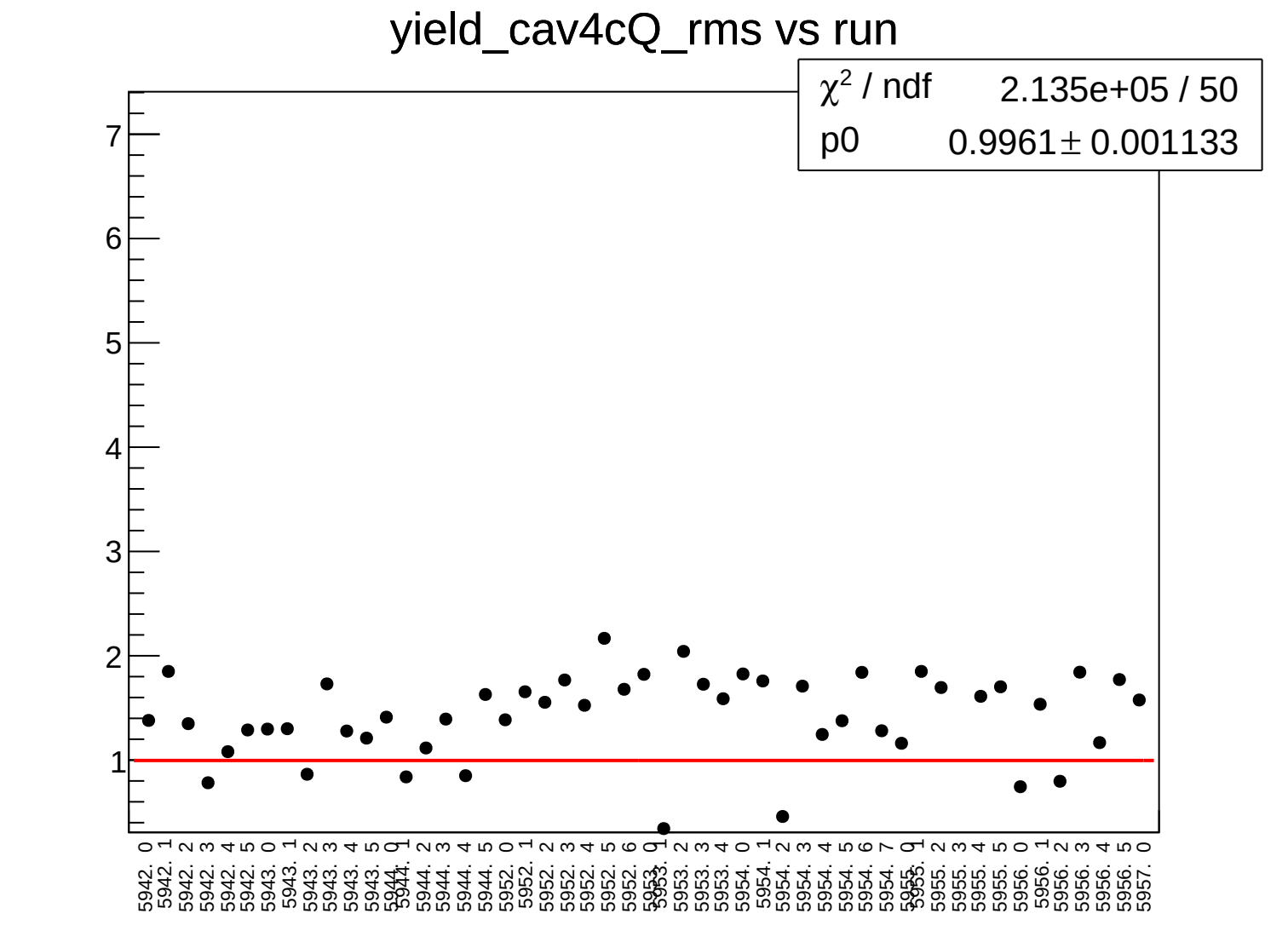

yield_cav4bQ_mean vs run
χ² / ndf 5.786e+07 / 50
p0 142.5 ± 0.00126
155
150
145
140
135
130
125
120
pull
Entries 51
Mean −25.08
Std Dev 45.59
3000
2000
1000
0
−1000
−2000

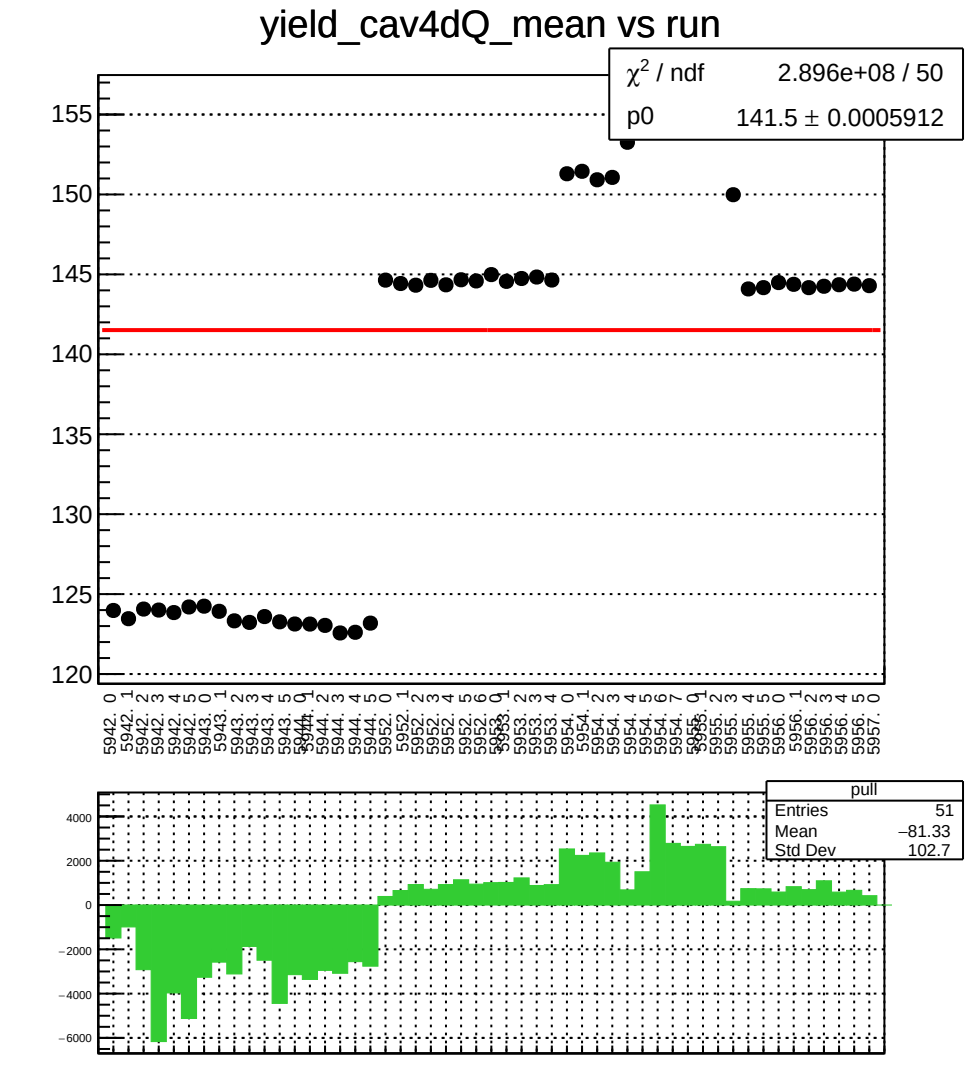

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

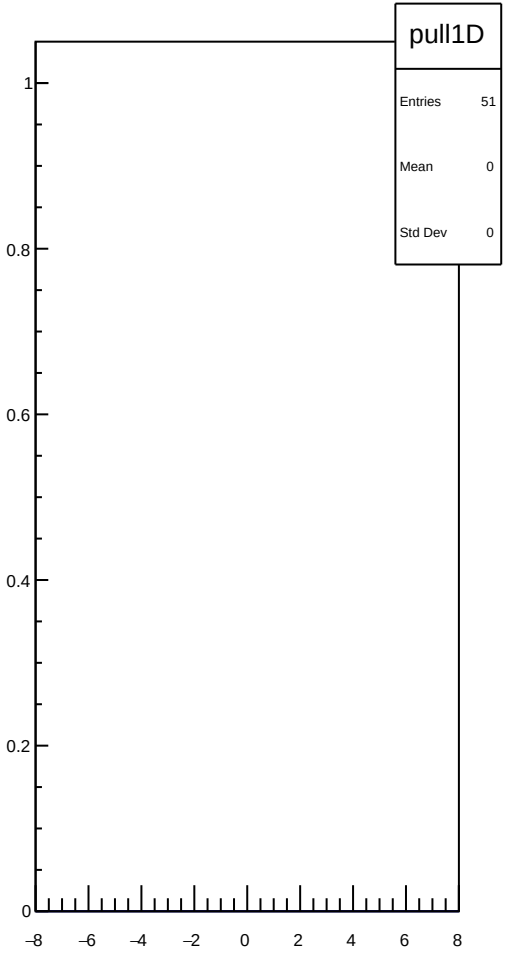

yield_cav4bQ_rms vs run
χ² / ndf 2.75e+05 / 50
p0 0.752 ± 0.0008911
6
5
4
3
2
1
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 1
5953. 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

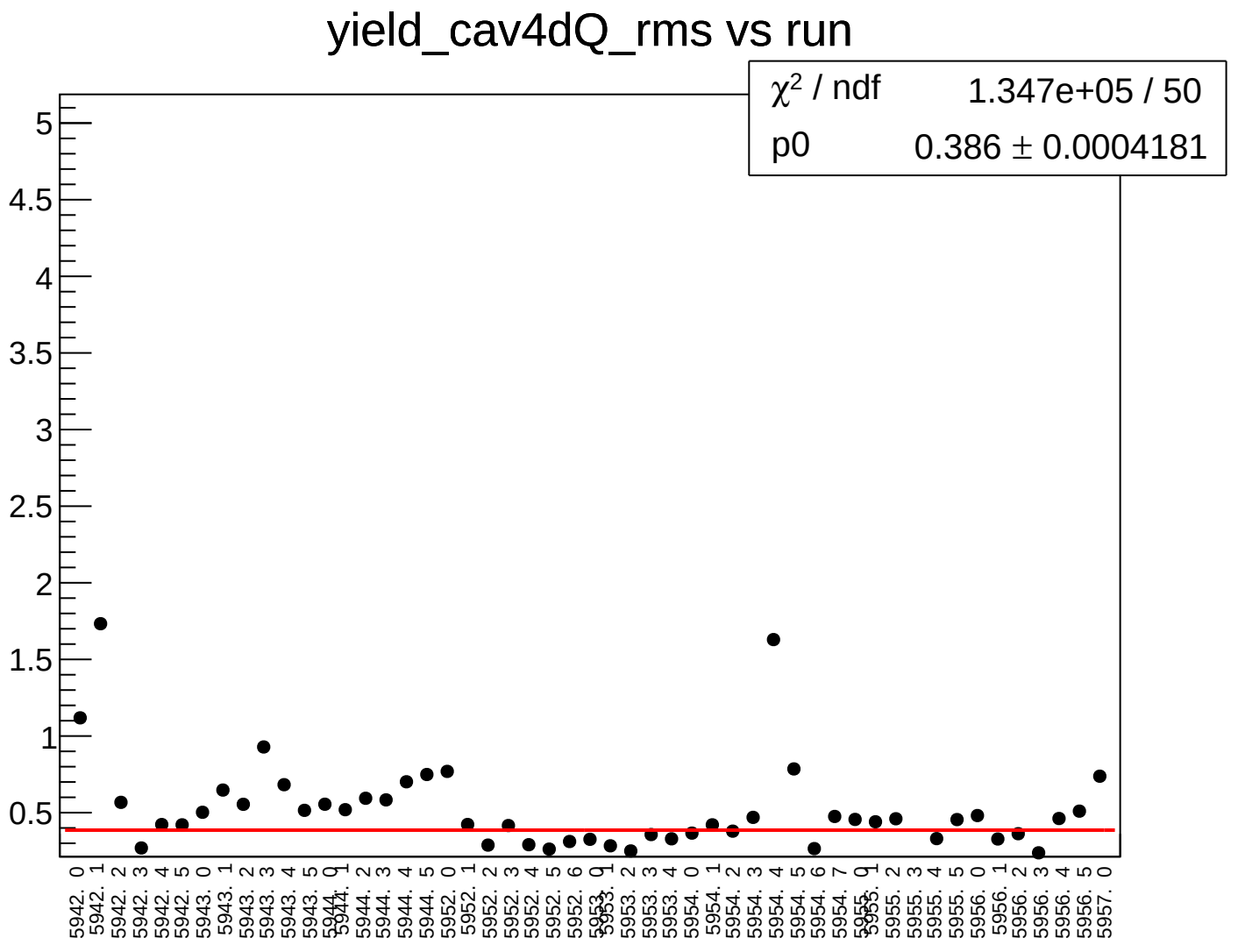

yield_cav4cQ_mean vs run
χ² / ndf 5.116e+07 / 50
p0 140.3 ± 0.001602
155
150
145
140
135
130
125
pull
Entries 51
Mean −126.2
Std Dev 148.3
2500
2000
1500
1000
500
0
−500
−1000
−1500
−2000

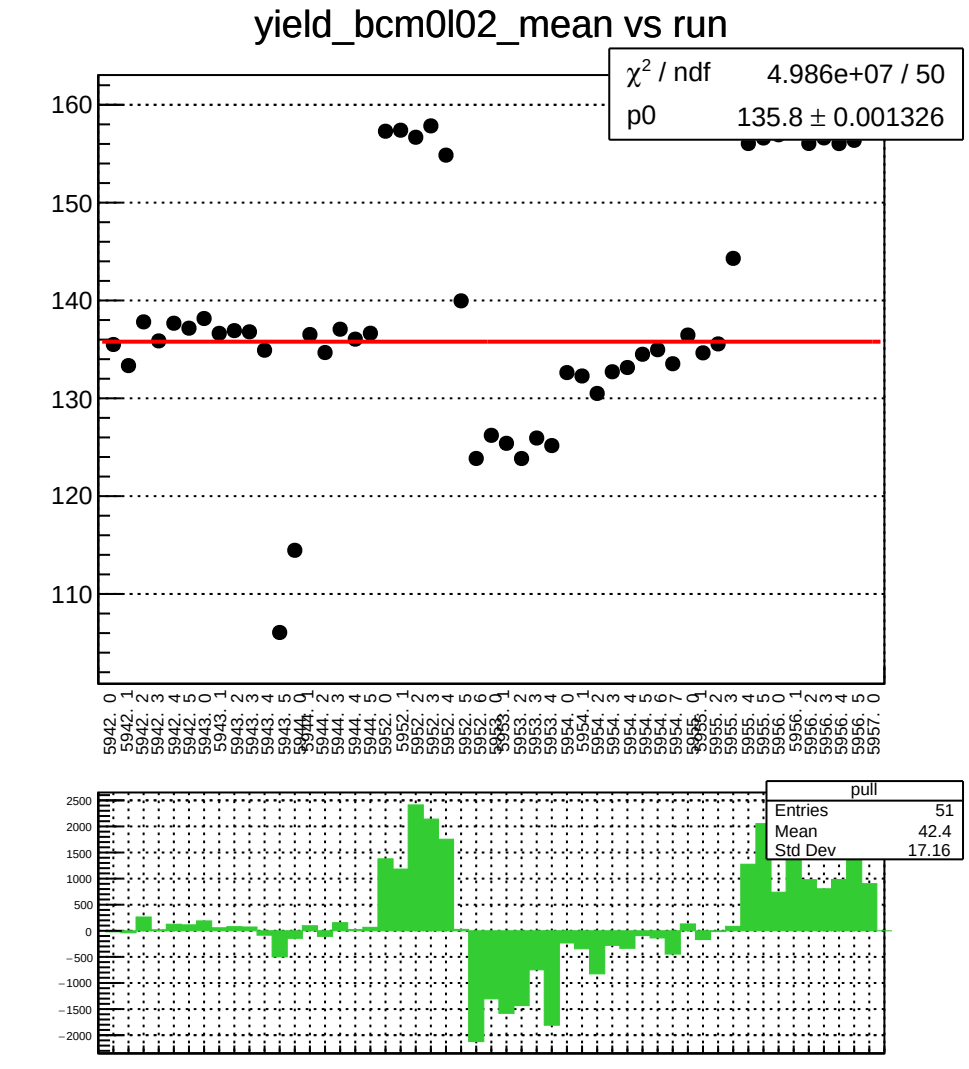

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

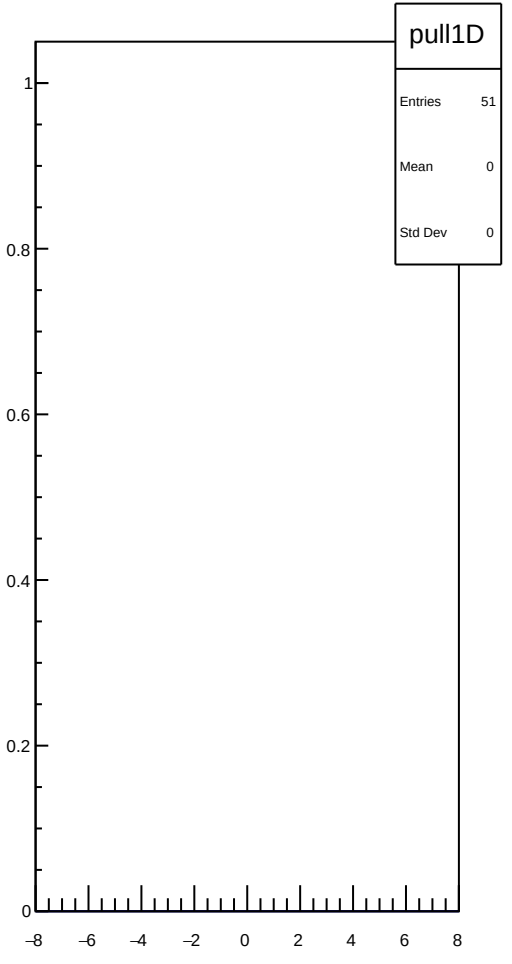

yield_cav4cQ_rms vs run
χ² / ndf 2.135e+05 / 50
p0 0.9961 ± 0.001133
7
6
5
4
3
2
1
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 1
5953. 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

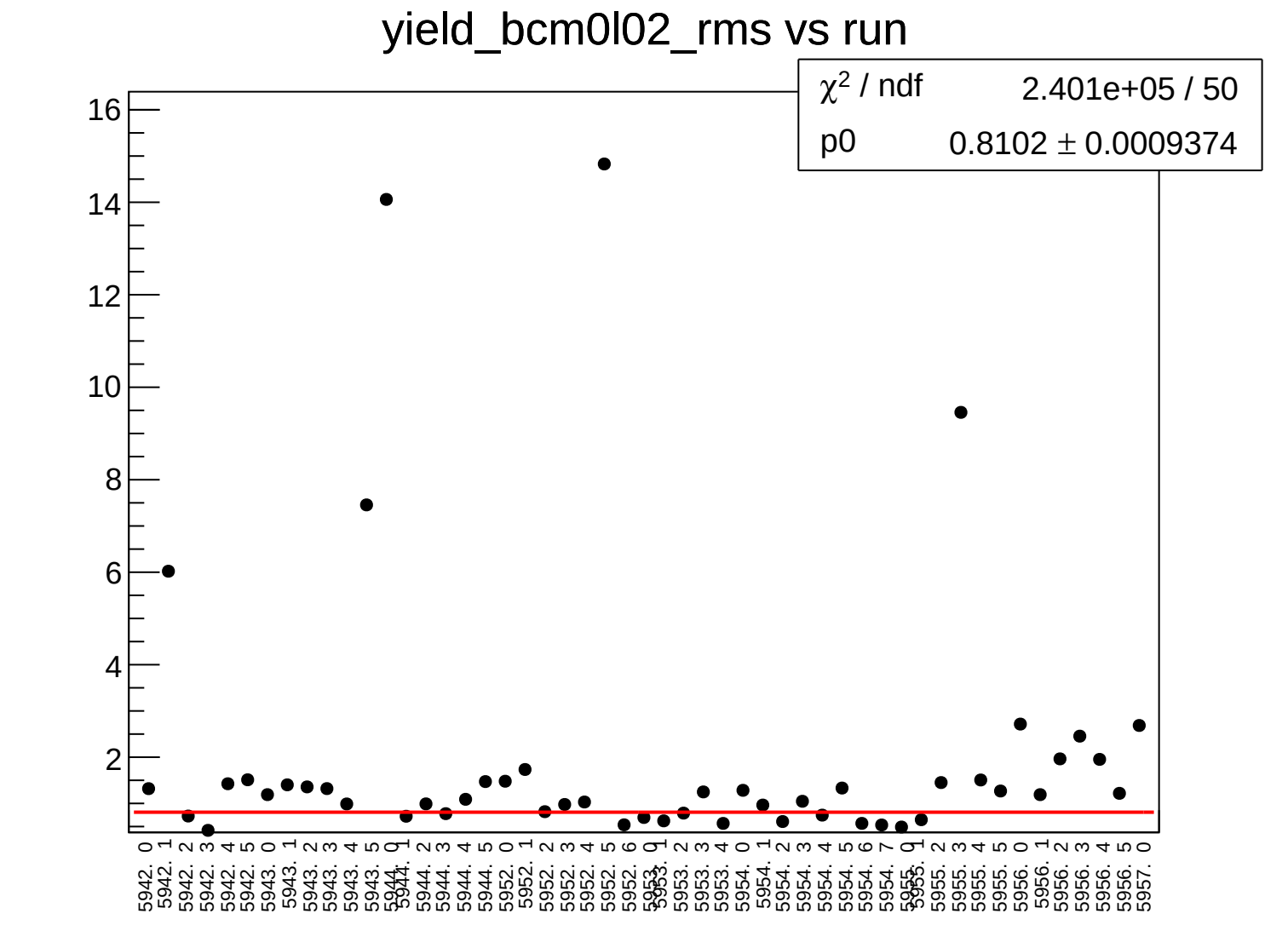

yield_cav4dQ_mean vs run
χ² / ndf 2.896e+08 / 50
p0 141.5 ± 0.0005912
155
150
145
140
135
130
125
120
pull
Entries 51
Mean −81.33
Std Dev 102.7
4000
2000
0
−2000
−4000
−6000

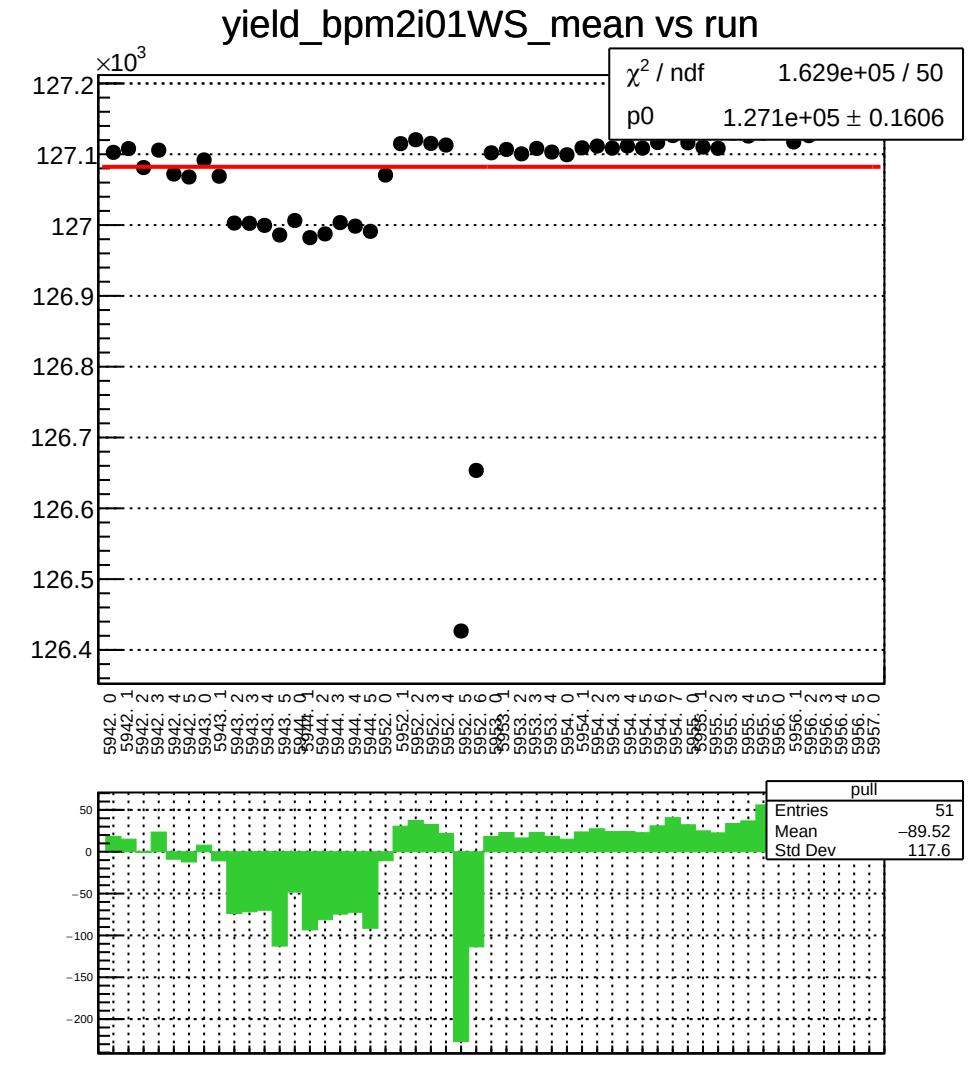

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

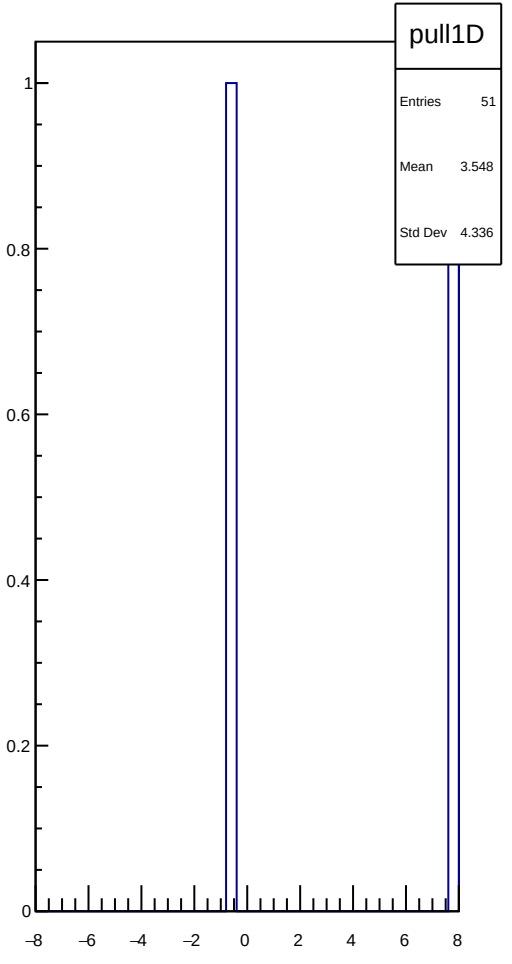

yield_cav4dQ_rms vs run
χ² / ndf 1.347e+05 / 50
p0 0.386 ± 0.0004181
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 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

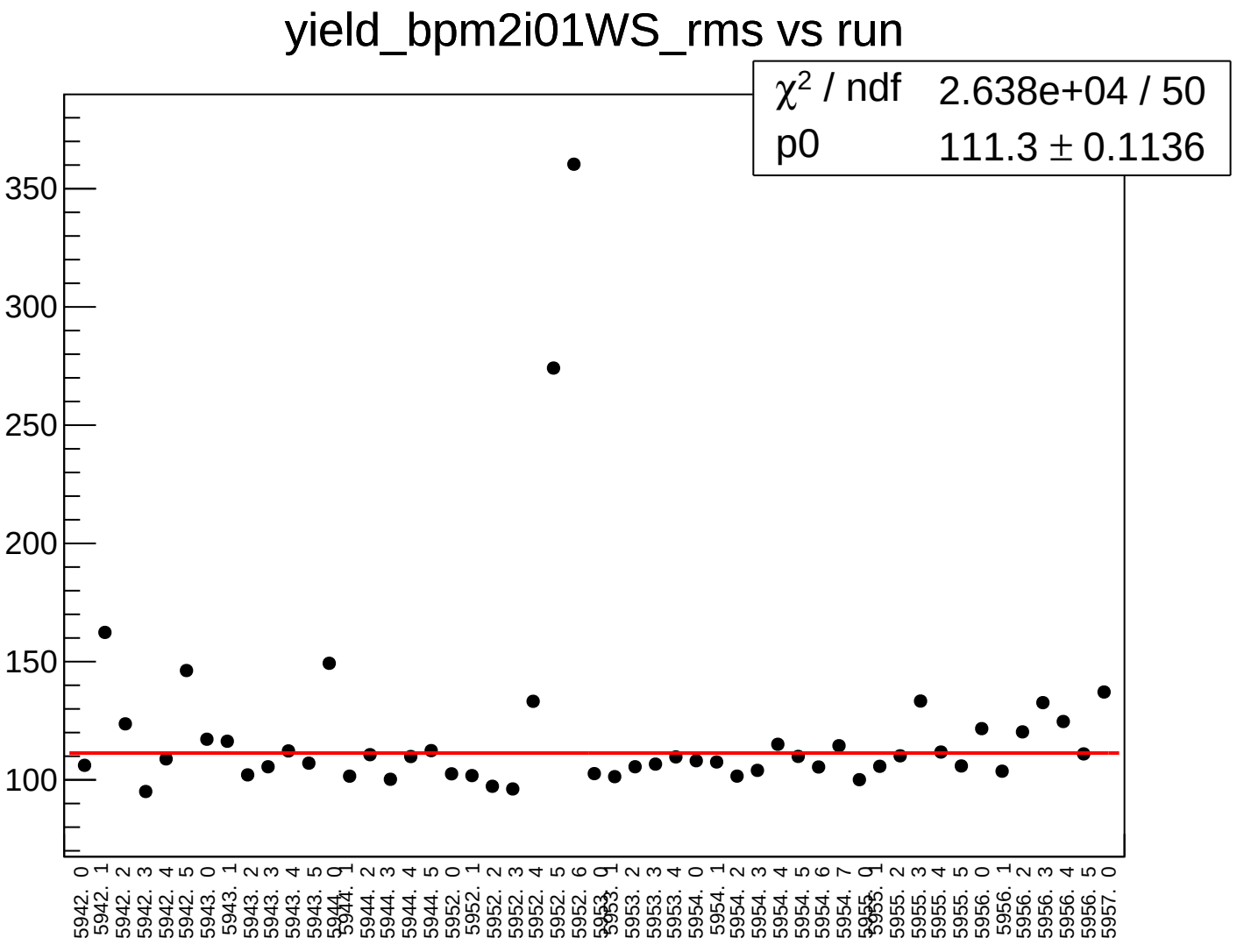

yield_bcm0l02_mean vs run
χ² / ndf 4.986e+07 / 50
p0 135.8 ± 0.001326
160
150
140
130
120
110
pull
Entries 51
Mean 42.4
Std Dev 17.16
2500
2000
1500
1000
500
0
−500
−1000
−1500
−2000

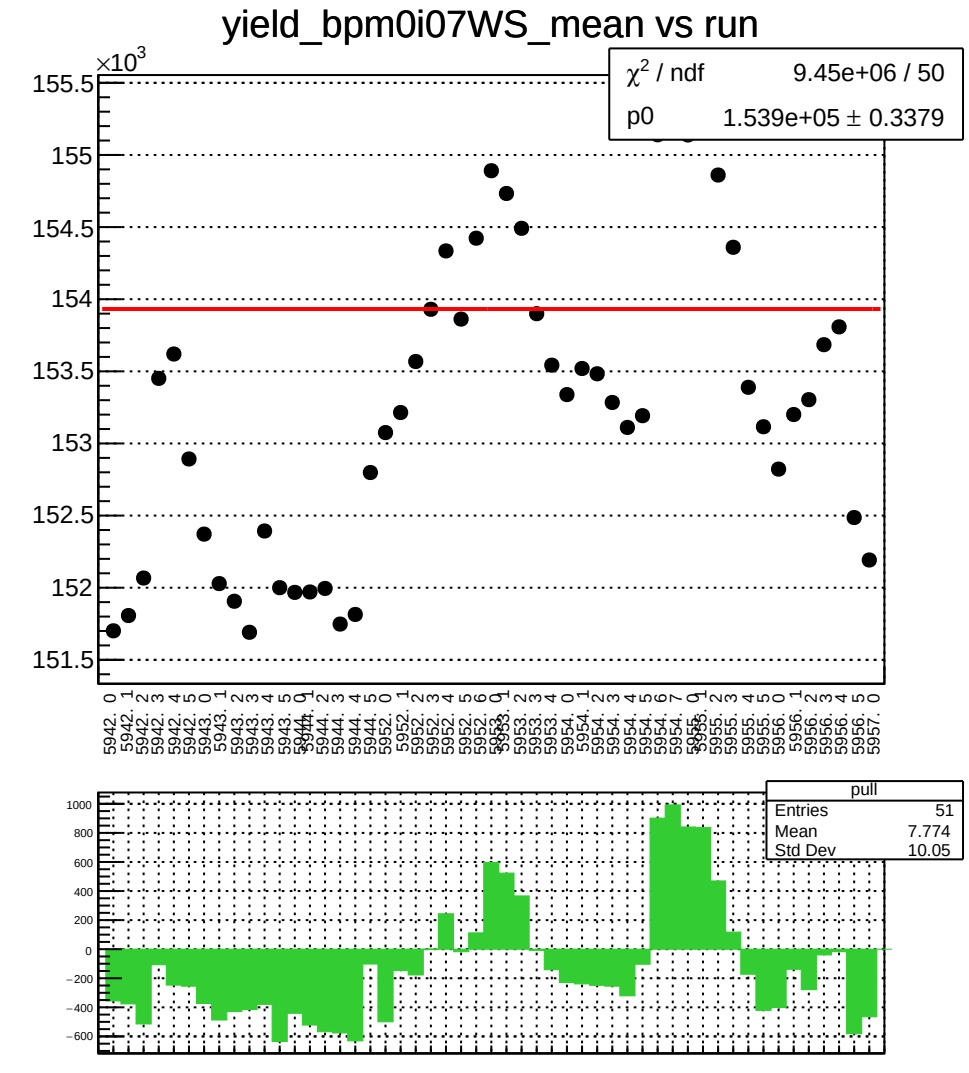

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

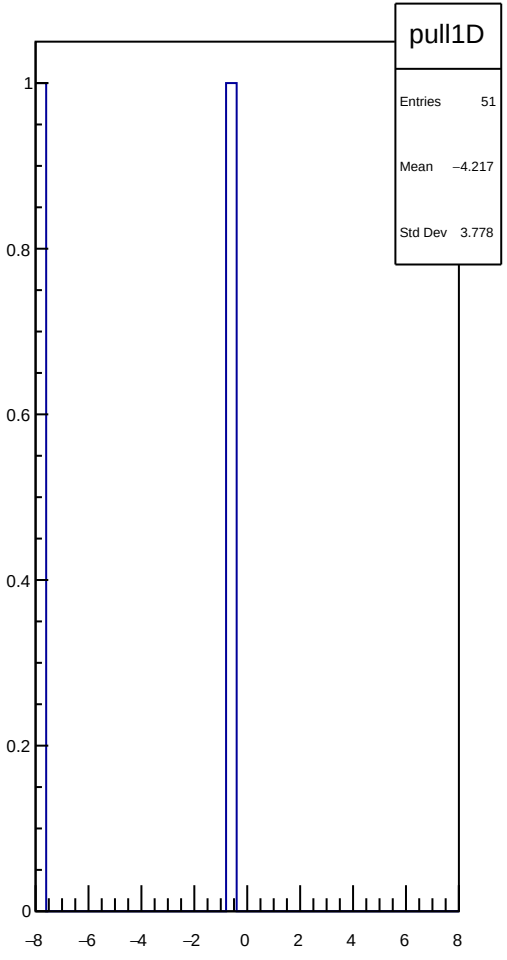

yield_bcm0l02_rms vs run
χ² / ndf 2.401e+05 / 50
p0 0.8102 ± 0.0009374
16
14
12
10
8
6
4
2
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 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

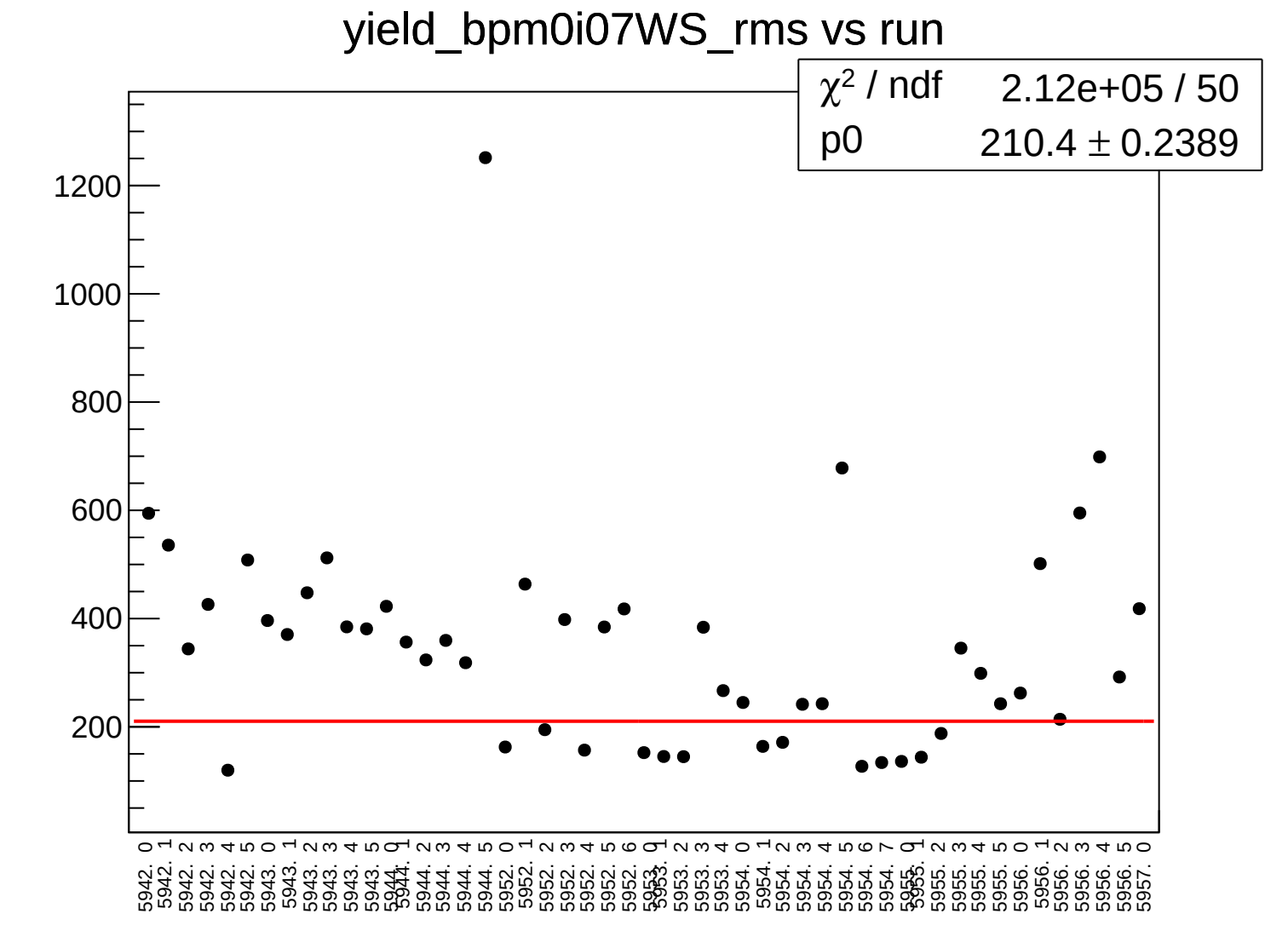

yield_bpm2i01WS_mean vs run
×10^3
χ² / ndf 1.629e+05 / 50
p0 1.271e+05 ± 0.1606
127.2
127.1
127
126.9
126.8
126.7
126.6
126.5
126.4
pull
Entries 51
Mean −89.52
Std Dev 117.6
50
0
−50
−100
−150
−200

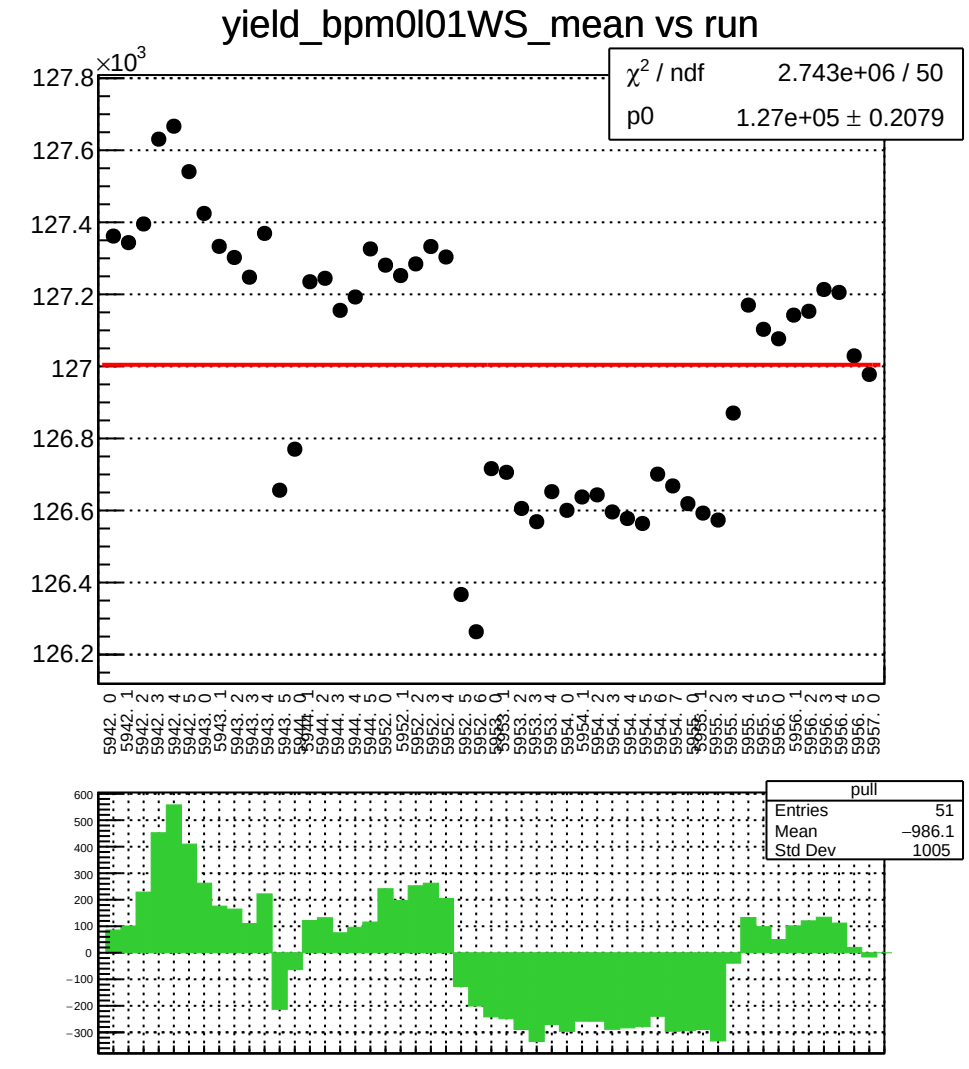

pull1D
Entries 51
Mean 3.548
Std Dev 4.336
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

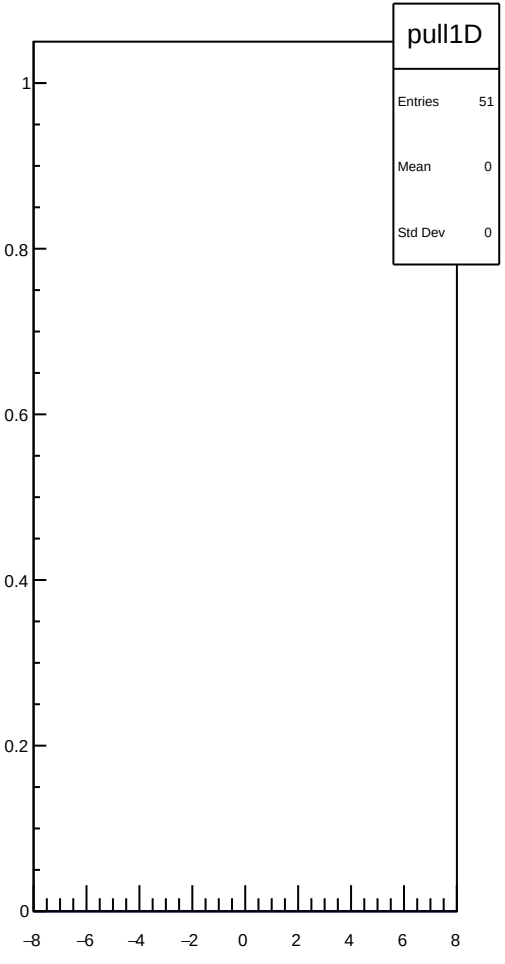

yield_bpm2i01WS_rms vs run
χ² / ndf 2.638e+04 / 50
p0 111.3 ± 0.1136
350
300
250
200
150
100
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
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

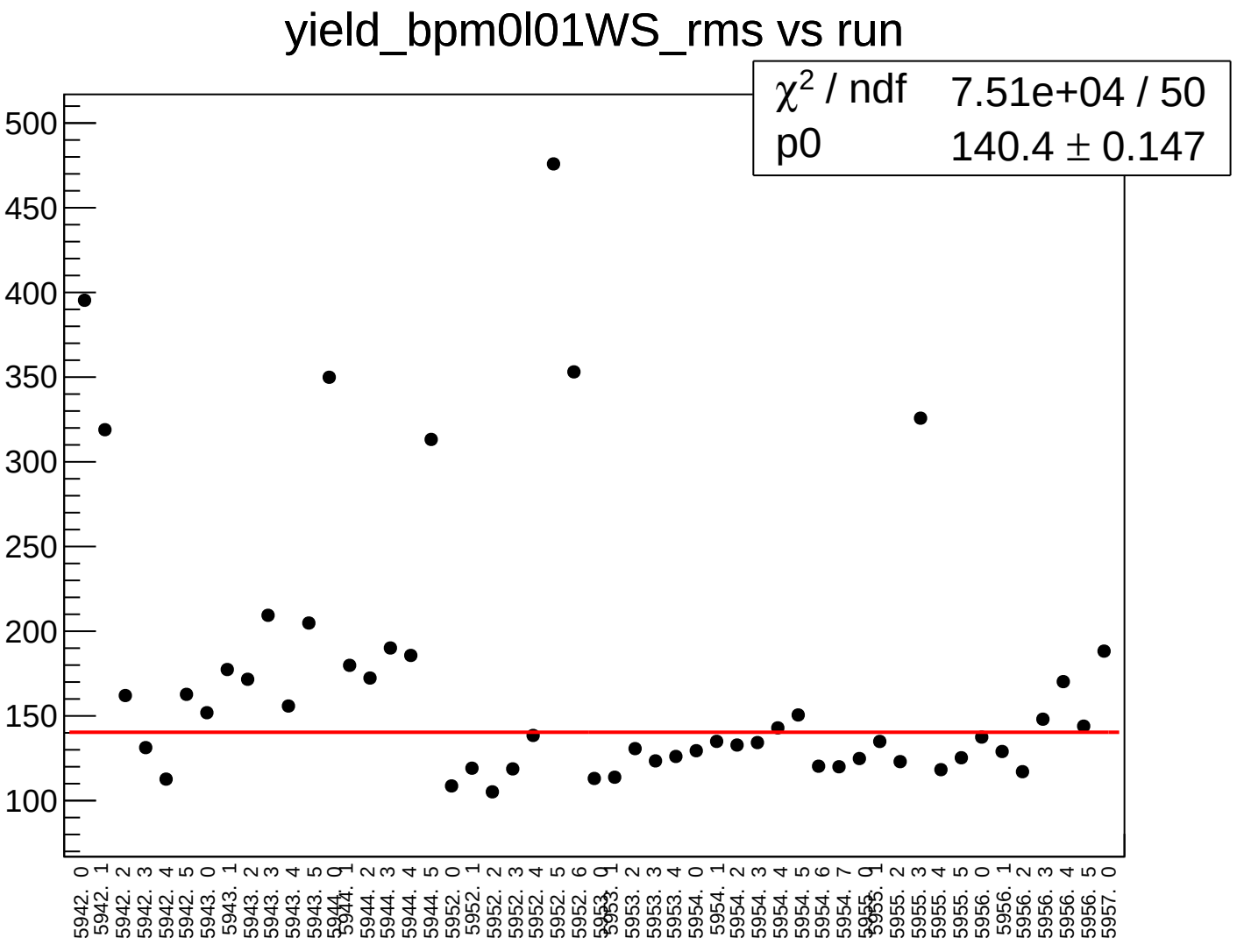

yield_bpm0i07WS_mean vs run
×10^3
155.5
155
154.5
154
153.5
153
152.5
152
151.5
χ² / ndf 9.45e+06 / 50
p0 1.539e+05 ± 0.3379
pull
Entries 51
Mean 7.774
Std Dev 10.05
1000
800
600
400
200
0
−200
−400
−600

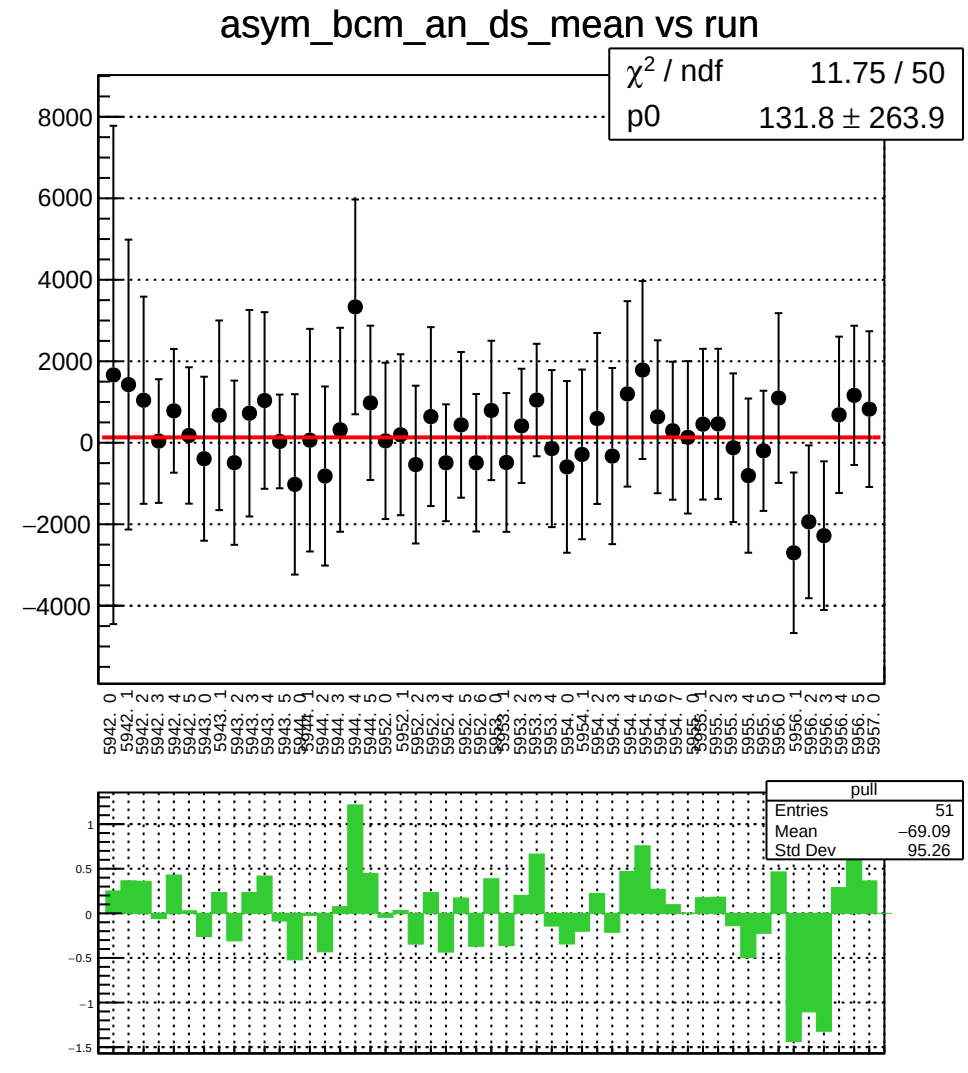

pull1D
Entries 51
Mean −4.217
Std Dev 3.778
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

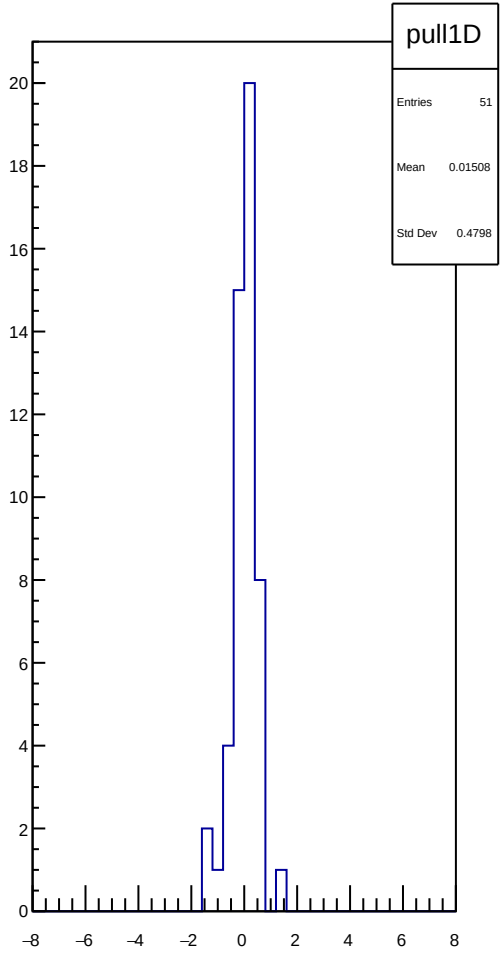

yield_bpm0i07WS_rms vs run
χ² / ndf 2.12e+05 / 50
p0 210.4 ± 0.2389
1200
1000
800
600
400
200
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
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

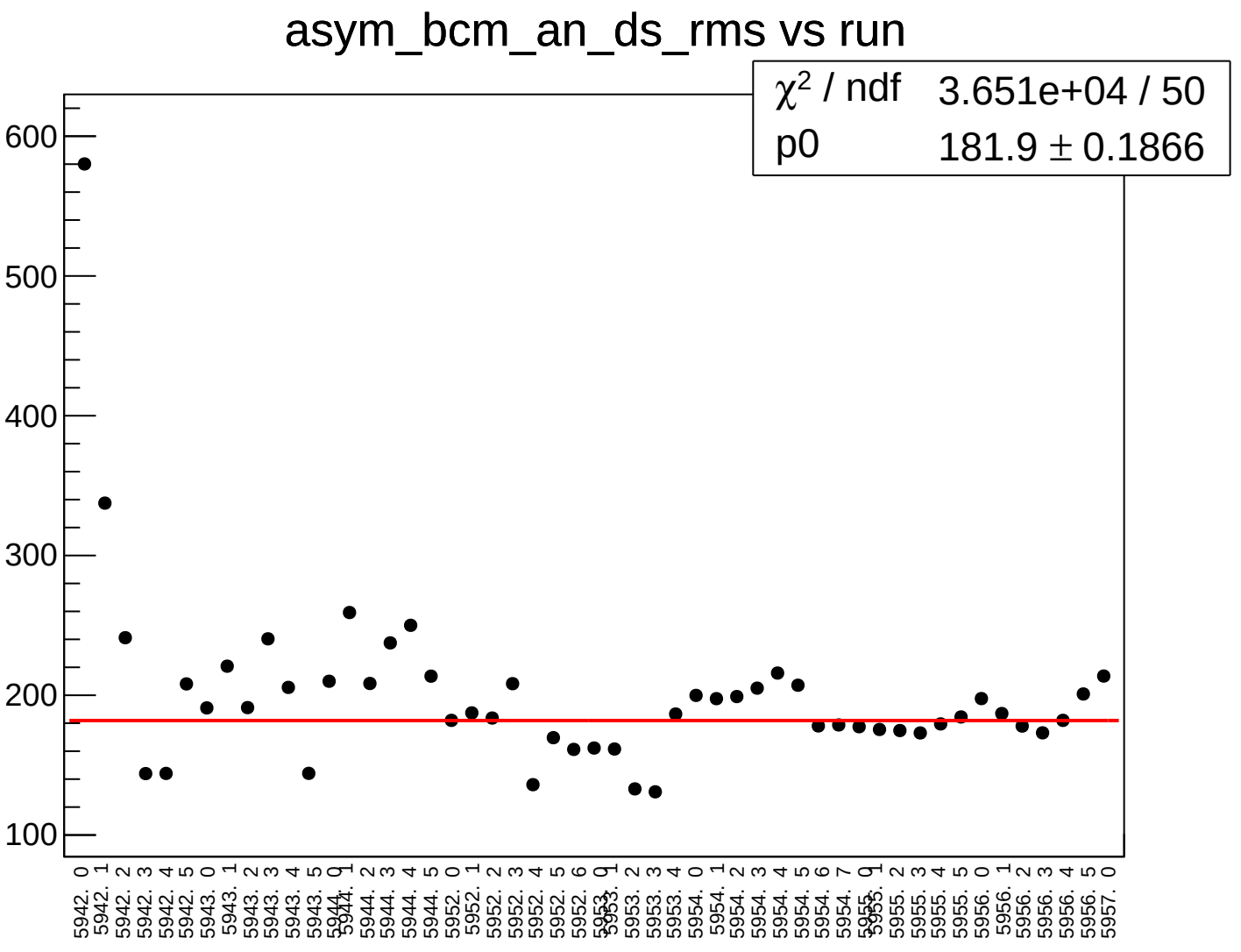

yield_bpm0l01WS_mean vs run
×10^3
χ² / ndf 2.743e+06 / 50
p0 1.27e+05 ± 0.2079
127.8
127.6
127.4
127.2
127
126.8
126.6
126.4
126.2
pull
Entries 51
Mean −986.1
Std Dev 1005
600
500
400
300
200
100
0
−100
−200
−300

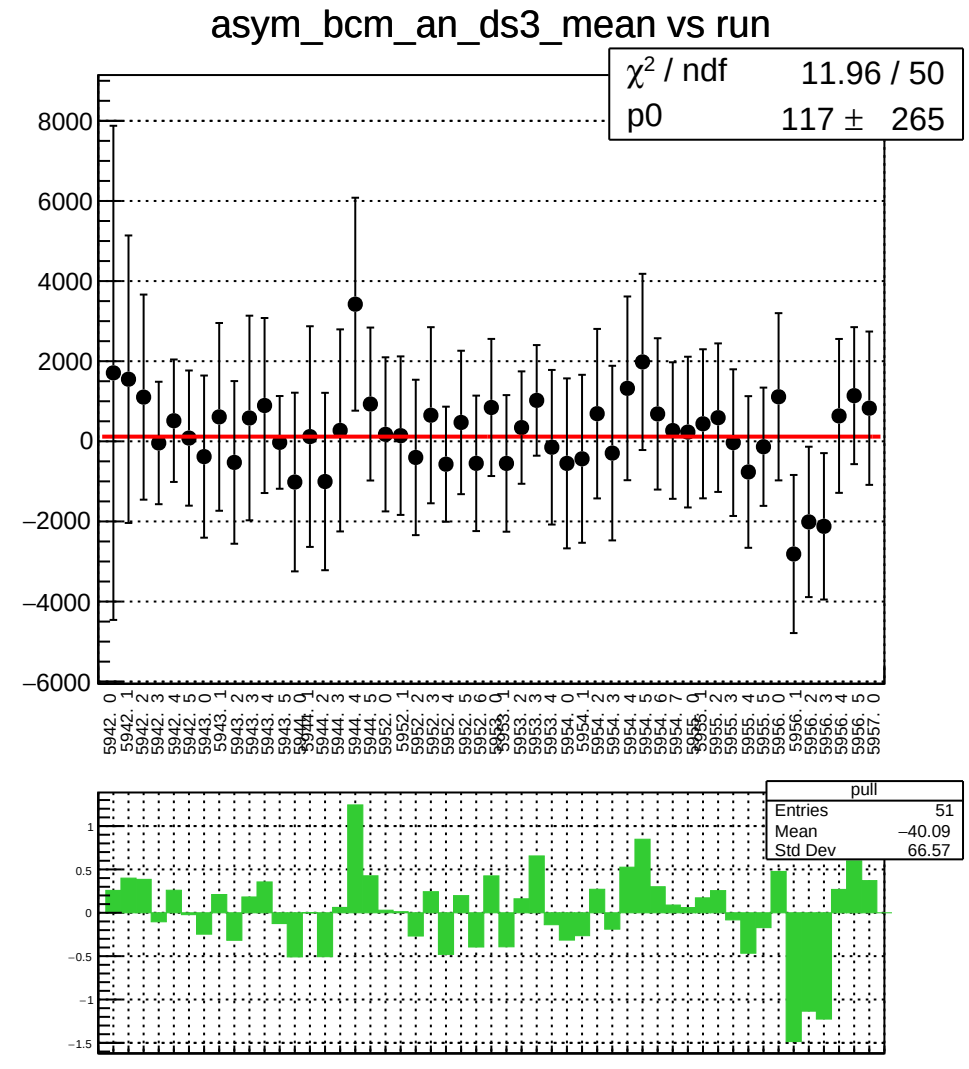

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

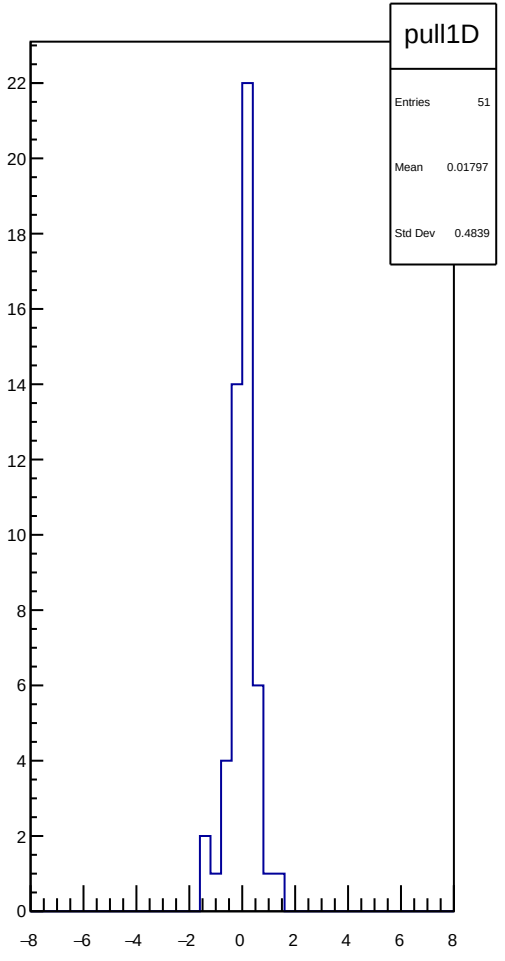

yield_bpm0l01WS_rms vs run
χ² / ndf 7.51e+04 / 50
p0 140.4 ± 0.147
500
450
400
350
300
250
200
150
100
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 3
5954. 4
5954. 5
5954. 6
5954. 7
5955. 2
5955. 3
5955. 4
5955. 5
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

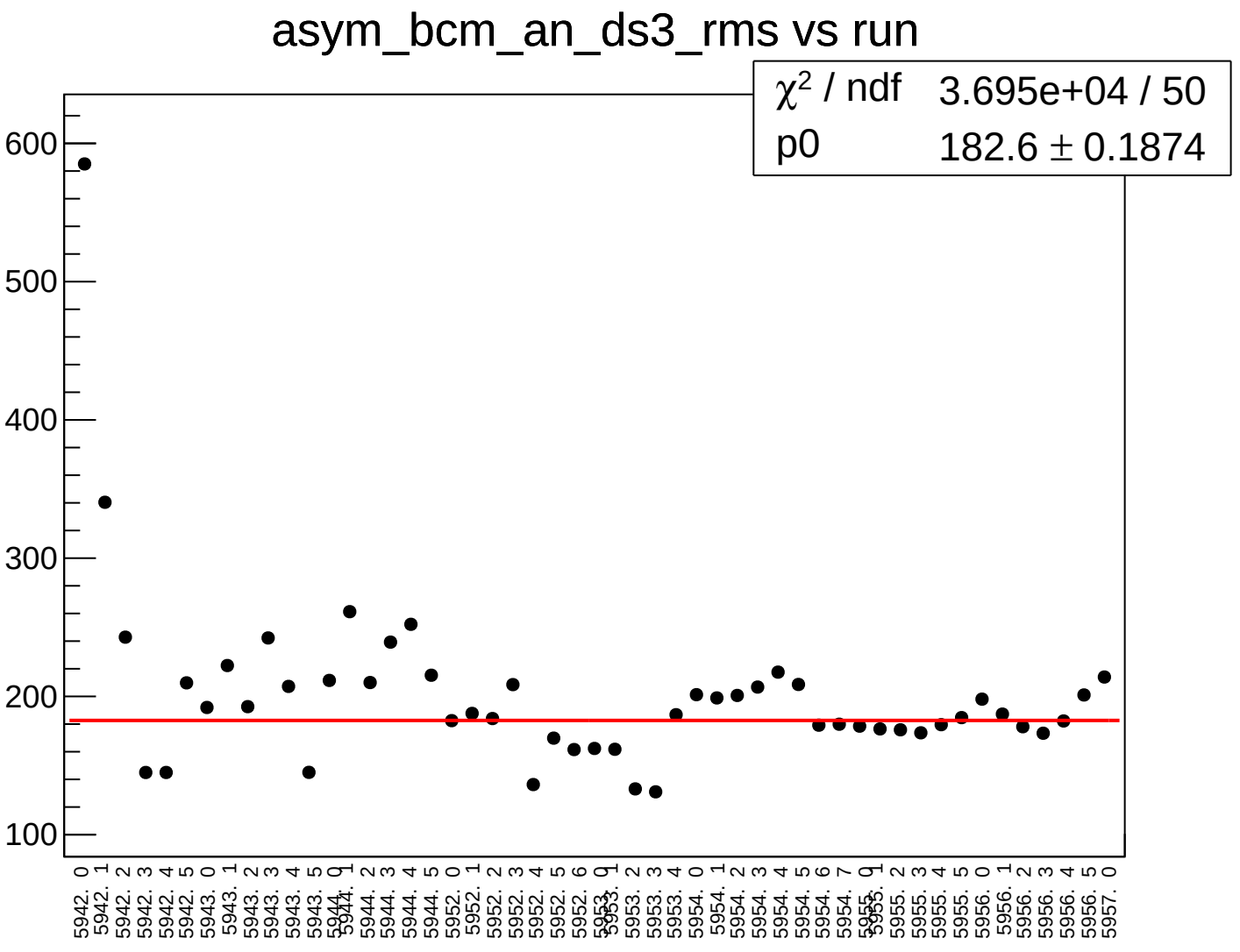

asym_bcm_an_ds_mean vs run
χ² / ndf 11.75 / 50
p0 131.8 ± 263.9
8000
6000
4000
2000
0
−2000
−4000
pull
Entries 51
Mean −69.09
Std Dev 95.26
1
0.5
0
−0.5
−1
−1.5

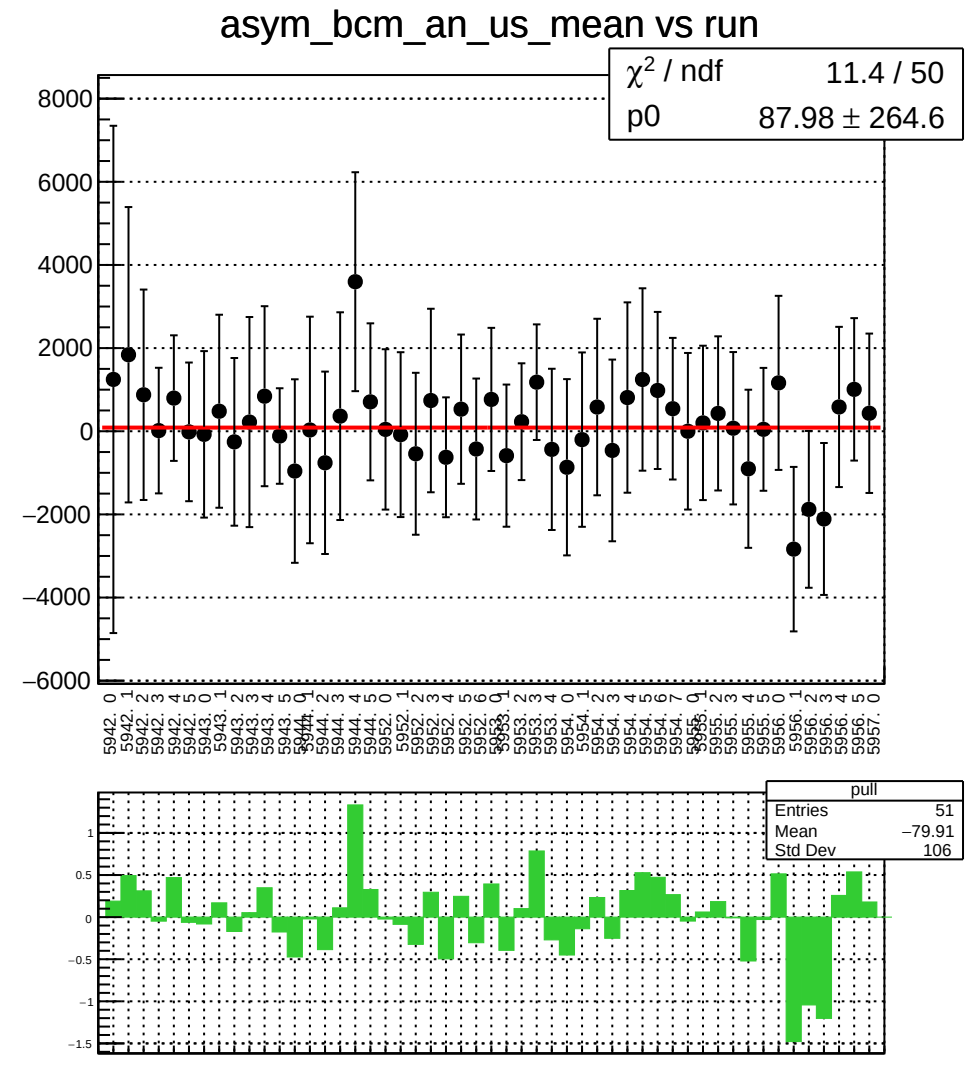

pull1D
Entries 51
Mean 0.01508
Std Dev 0.4798
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

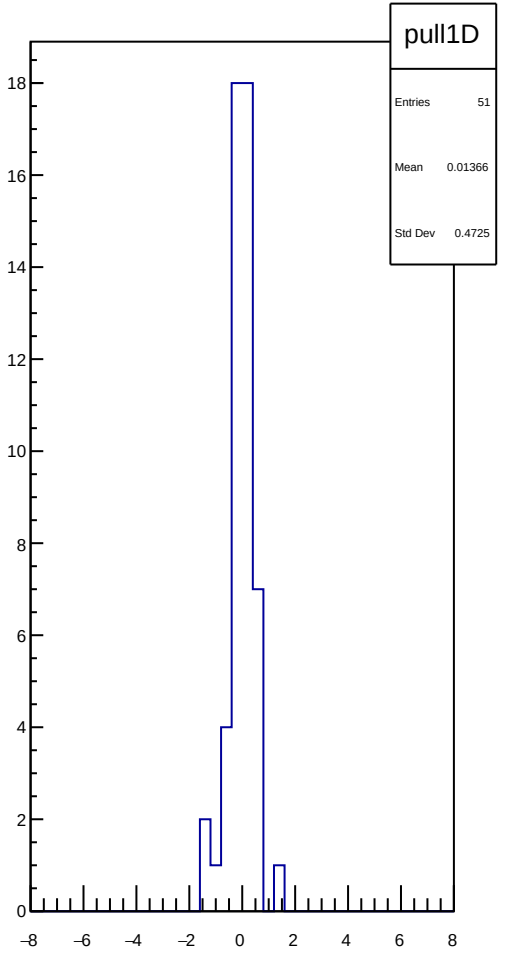

asym_bcm_an_ds_rms vs run
χ² / ndf 3.651e+04 / 50
p0 181.9 ± 0.1866
600
500
400
300
200
100
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 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

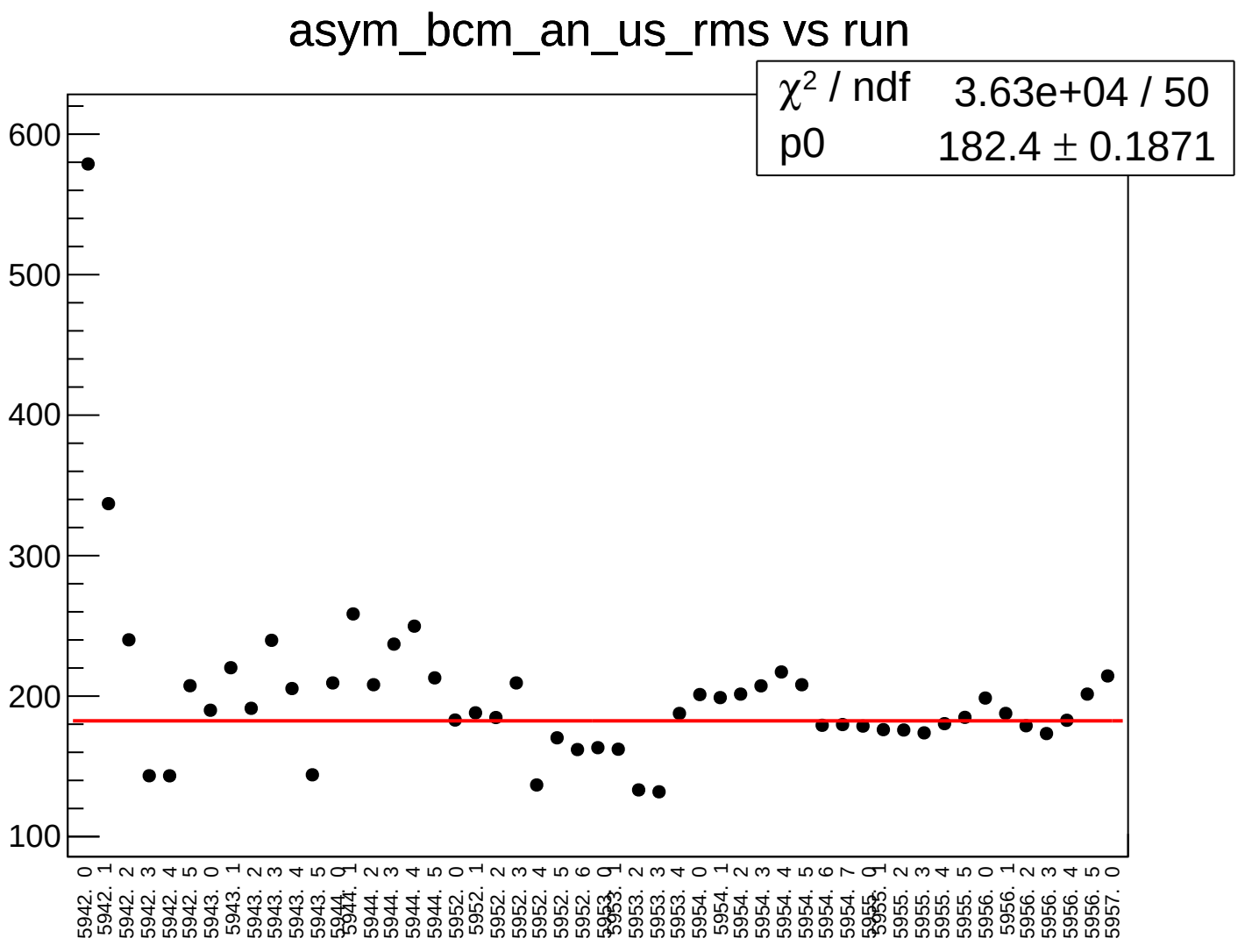

asym_bcm_an_ds3_mean vs run
χ² / ndf 11.96 / 50
p0 117 ± 265
pull
Entries 51
Mean −40.09
Std Dev 66.57

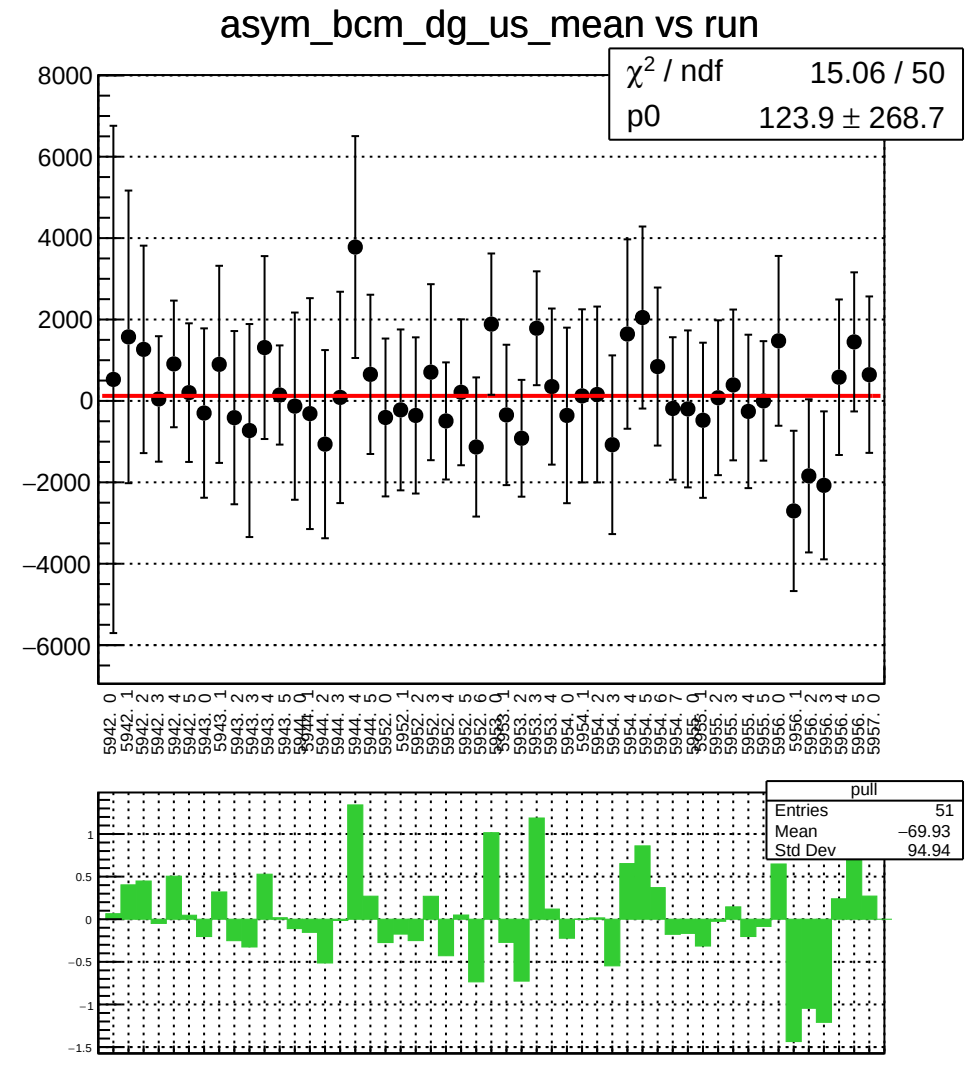

pull1D
Entries 51
Mean 0.01797
Std Dev 0.4839

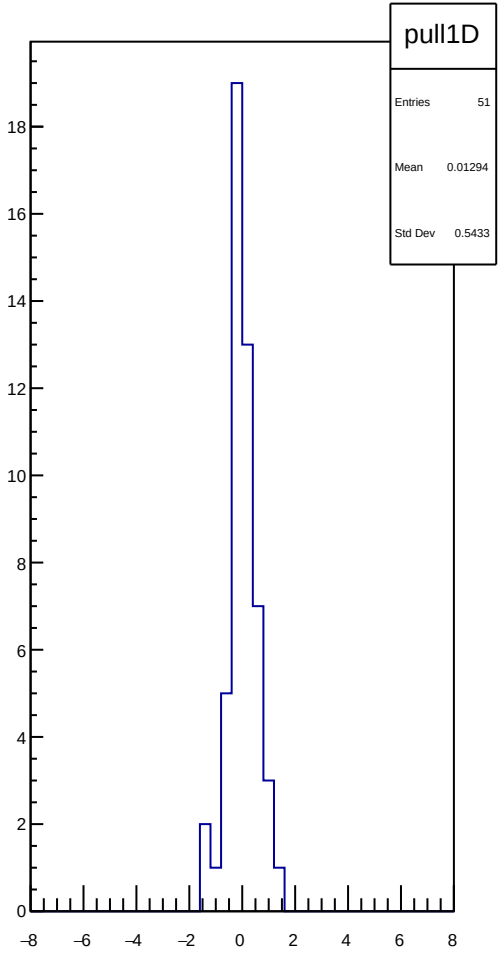

asym_bcm_an_ds3_rms vs run
χ^2 / ndf 3.695e+04 / 50
p0 182.6 ± 0.1874
600
500
400
300
200
100
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
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

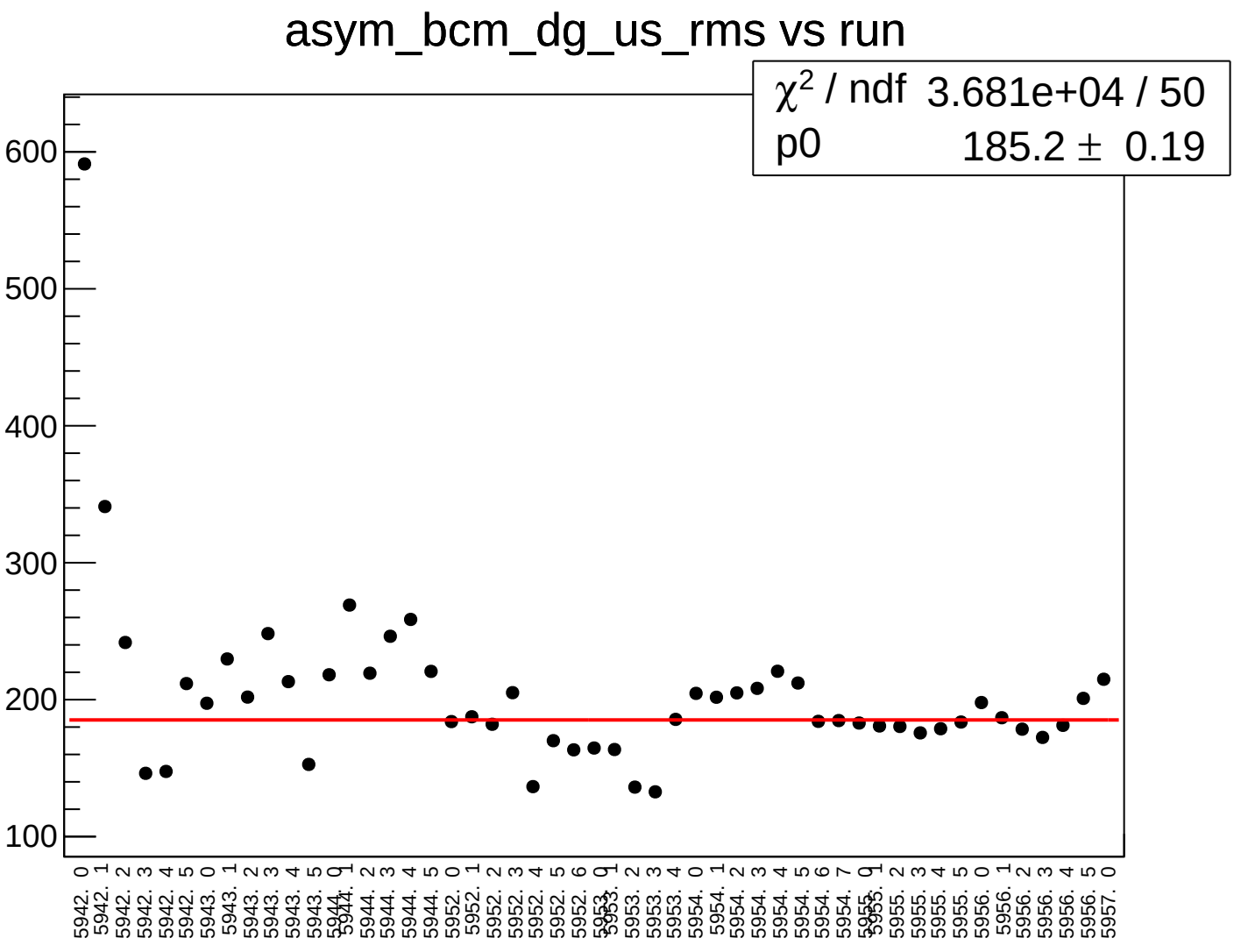

asym_bcm_an_us_mean vs run
χ² / ndf 11.4 / 50
p0 87.98 ± 264.6
pull
Entries 51
Mean −79.91
Std Dev 106

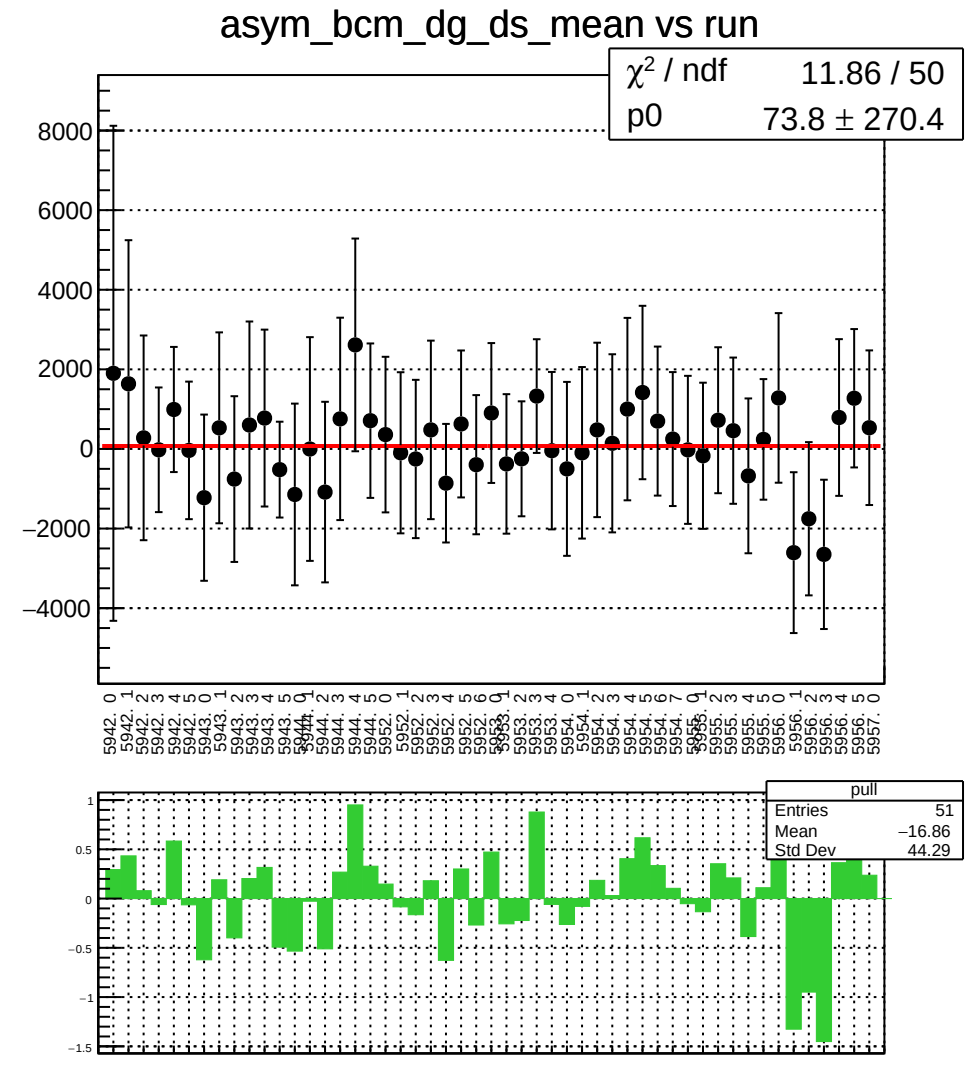

pull1D
Entries 51
Mean 0.01366
Std Dev 0.4725

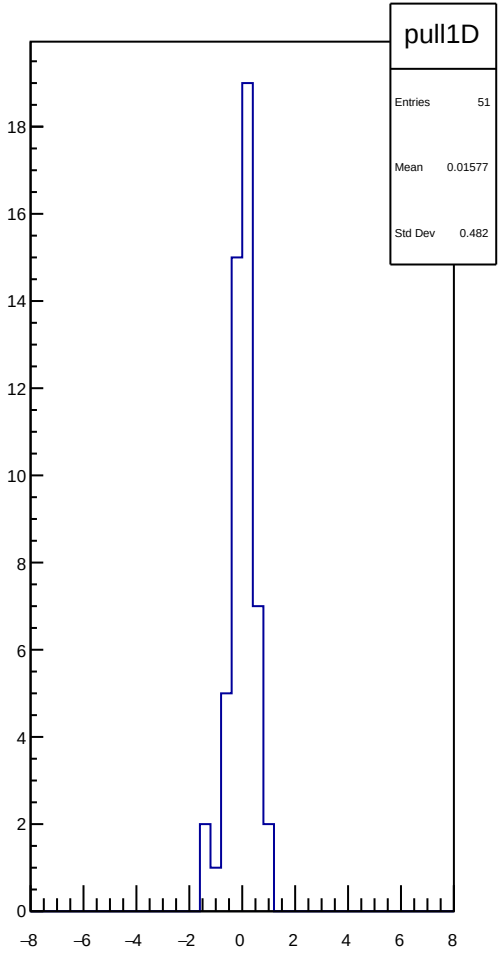

asym_bcm_an_us_rms vs run
χ² / ndf 3.63e+04 / 50
p0 182.4 ± 0.1871
600
500
400
300
200
100
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 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

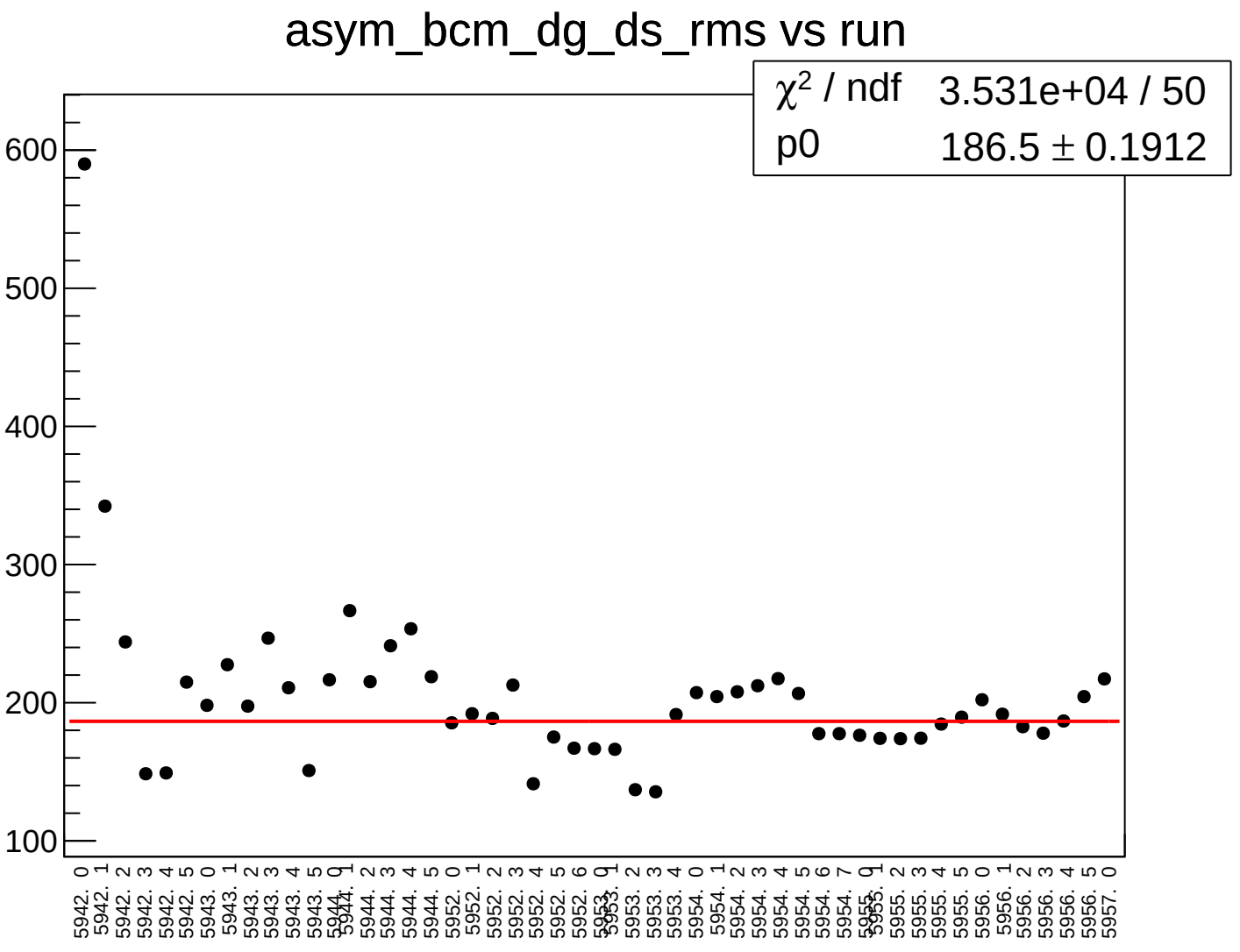

asym_bcm_dg_us_mean vs run
χ² / ndf 15.06 / 50
p0 123.9 ± 268.7
pull
Entries 51
Mean −69.93
Std Dev 94.94

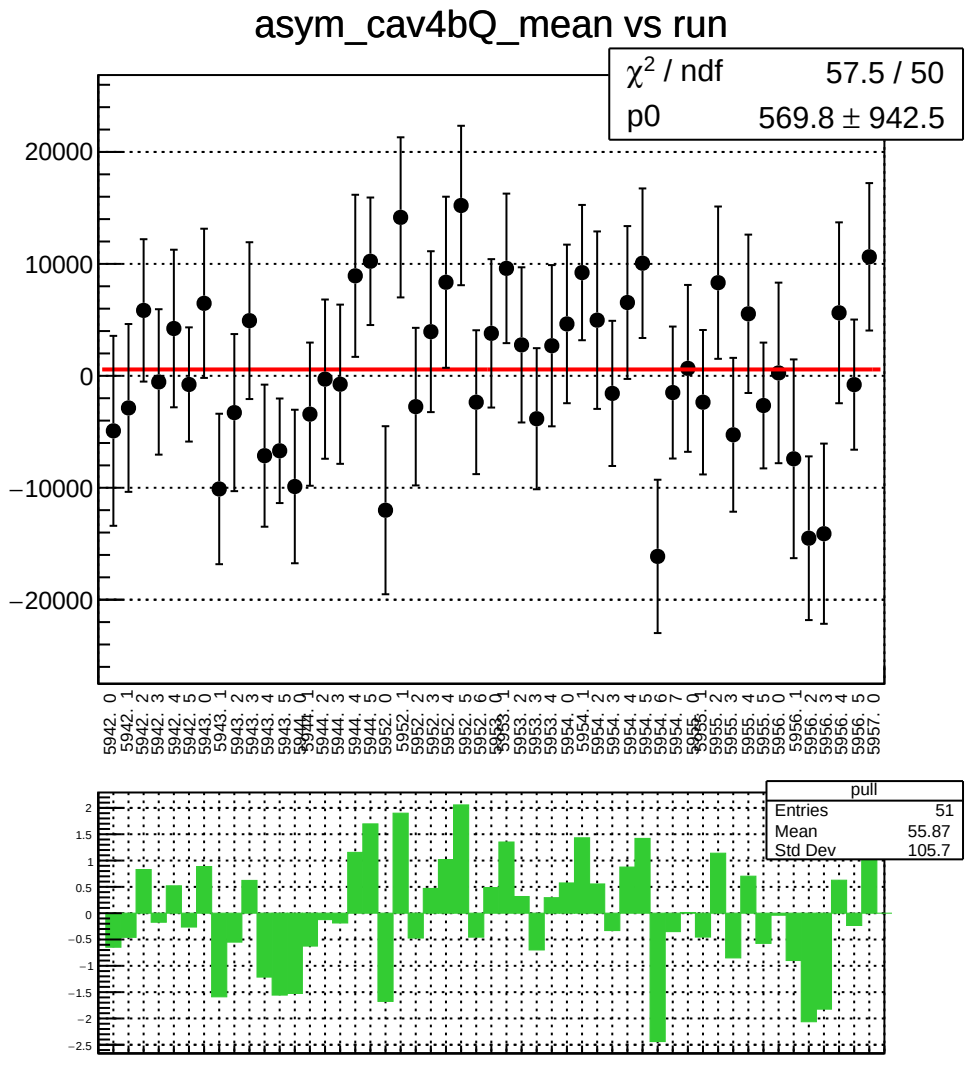

pull1D
Entries 51
Mean 0.01294
Std Dev 0.5433

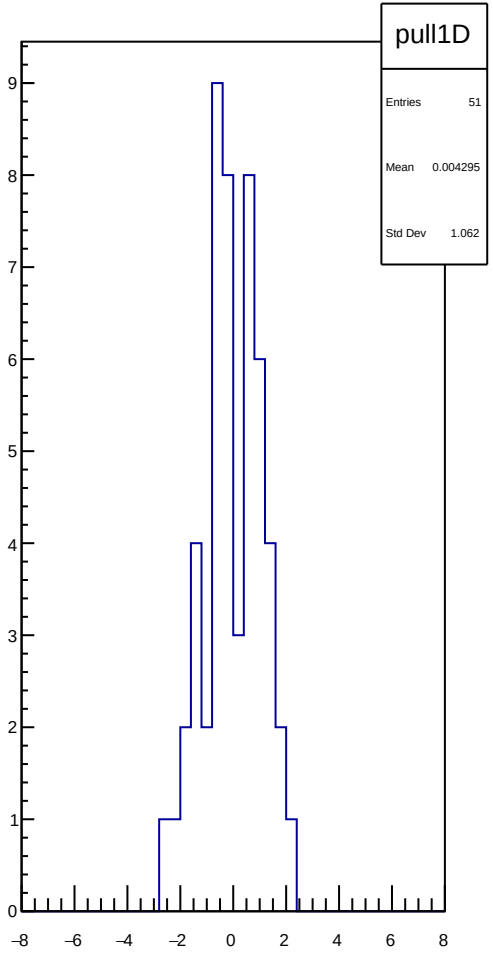

asym_bcm_dg_us_rms vs run
χ² / ndf 3.681e+04 / 50
p0 185.2 ± 0.19
600
500
400
300
200
100
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 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

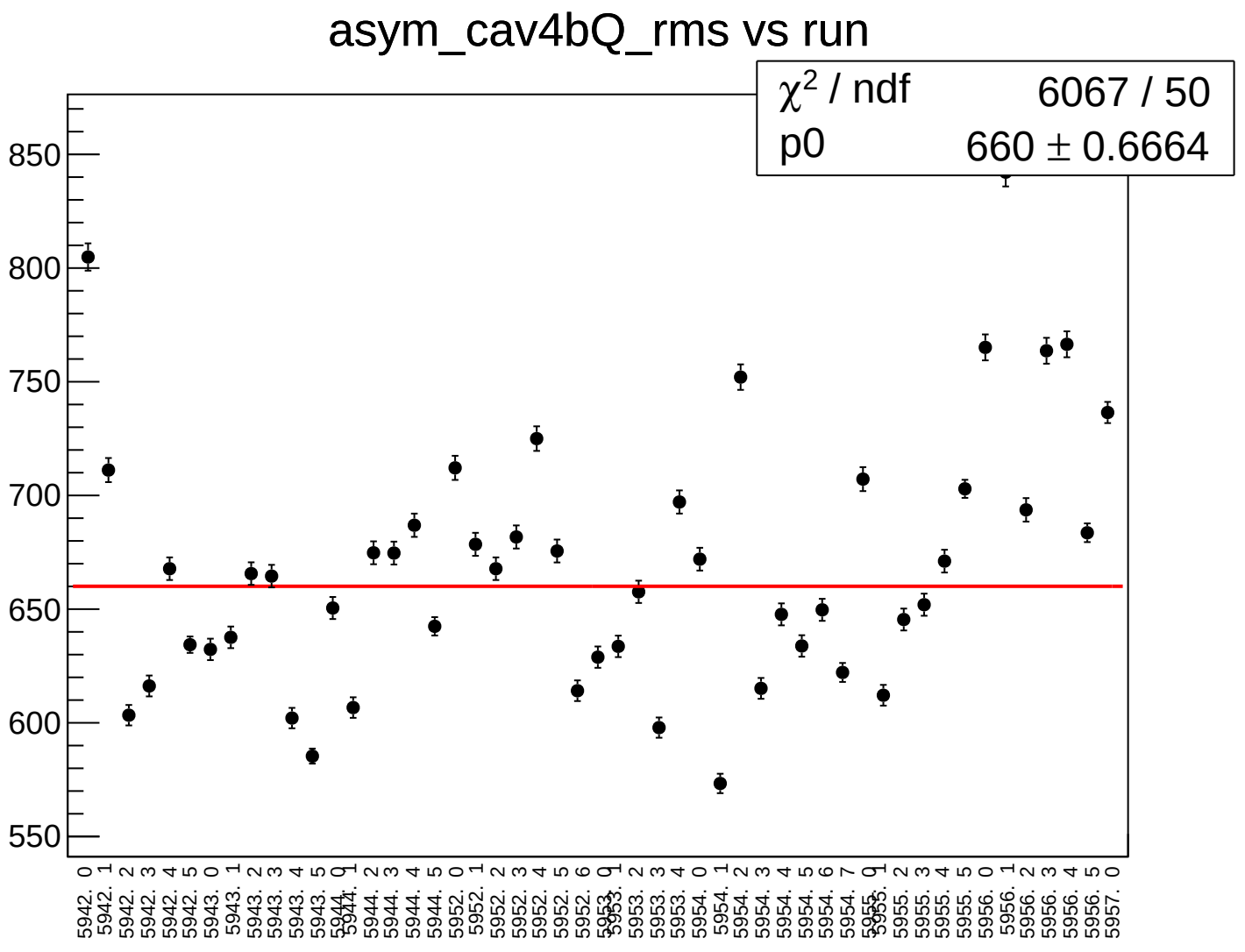

asym_bcm_dg_ds_mean vs run
χ² / ndf 11.86 / 50
p0 73.8 ± 270.4
8000
6000
4000
2000
0
−2000
−4000
pull
Entries 51
Mean −16.86
Std Dev 44.29
1
0.5
0
−0.5
−1
−1.5

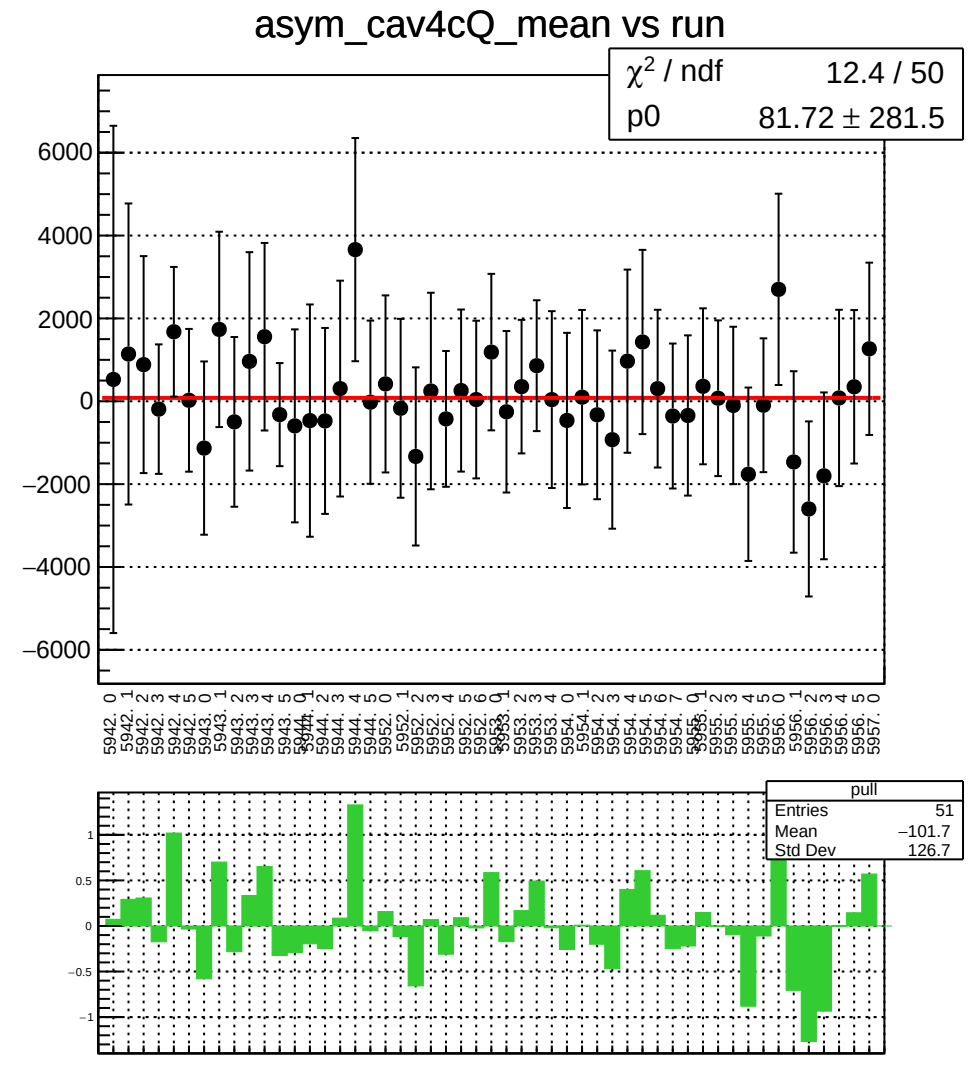

pull1D
Entries 51
Mean 0.01577
Std Dev 0.482
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

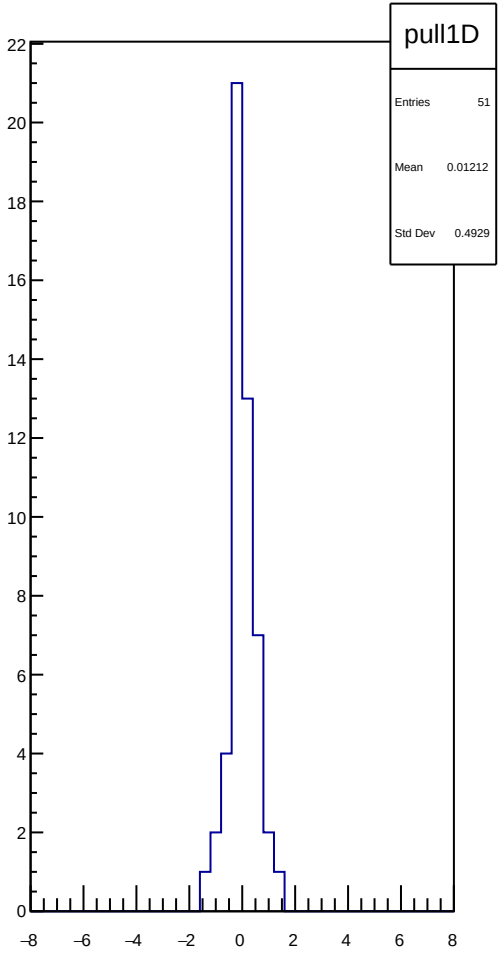

asym_bcm_dg_ds_rms vs run
χ² / ndf 3.531e+04 / 50
p0 186.5 ± 0.1912
600
500
400
300
200
100
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 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

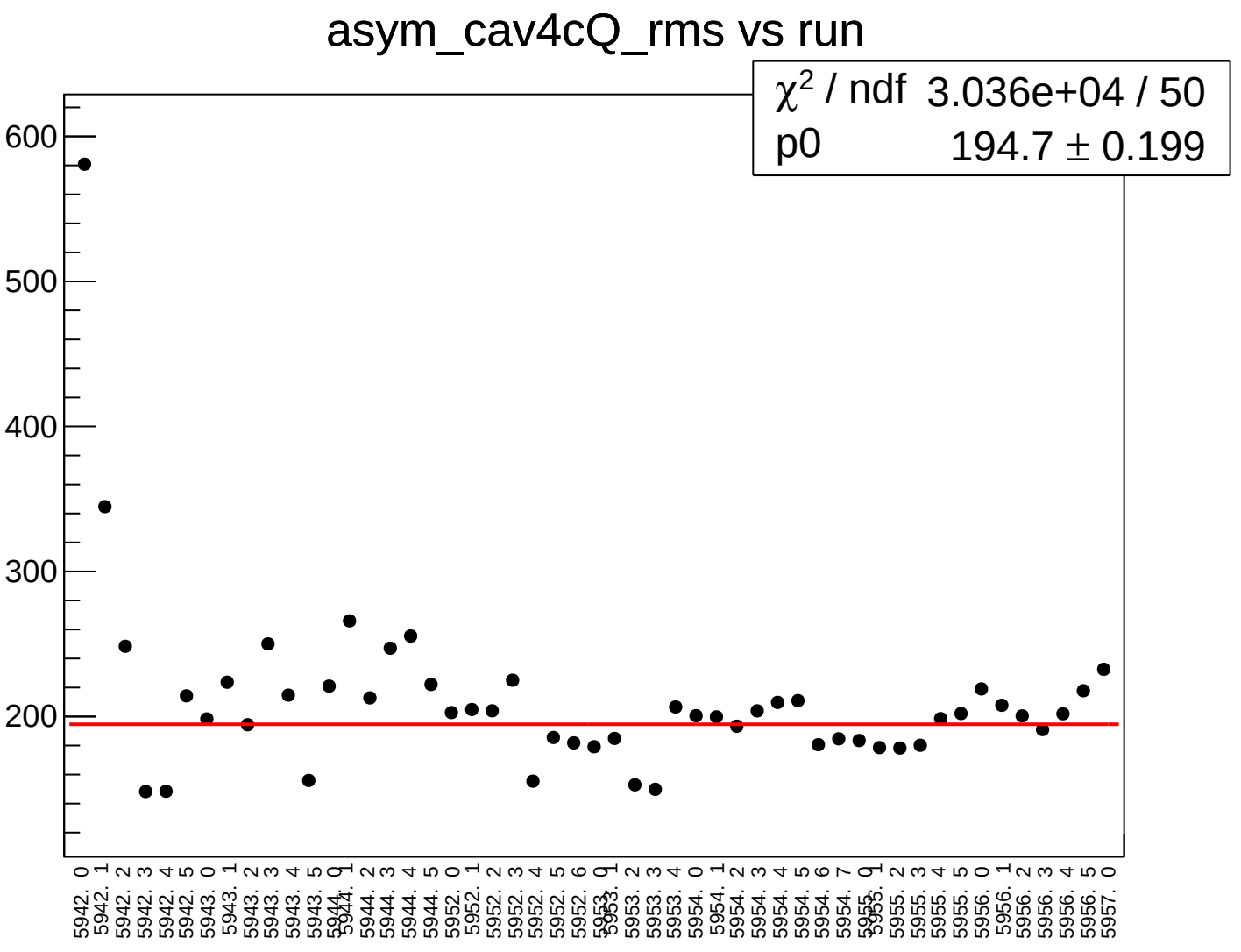

asym_cav4bQ_mean vs run
χ² / ndf 57.5 / 50
p0 569.8 ± 942.5
20000
10000
0
−10000
−20000
pull
Entries 51
Mean 55.87
Std Dev 105.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

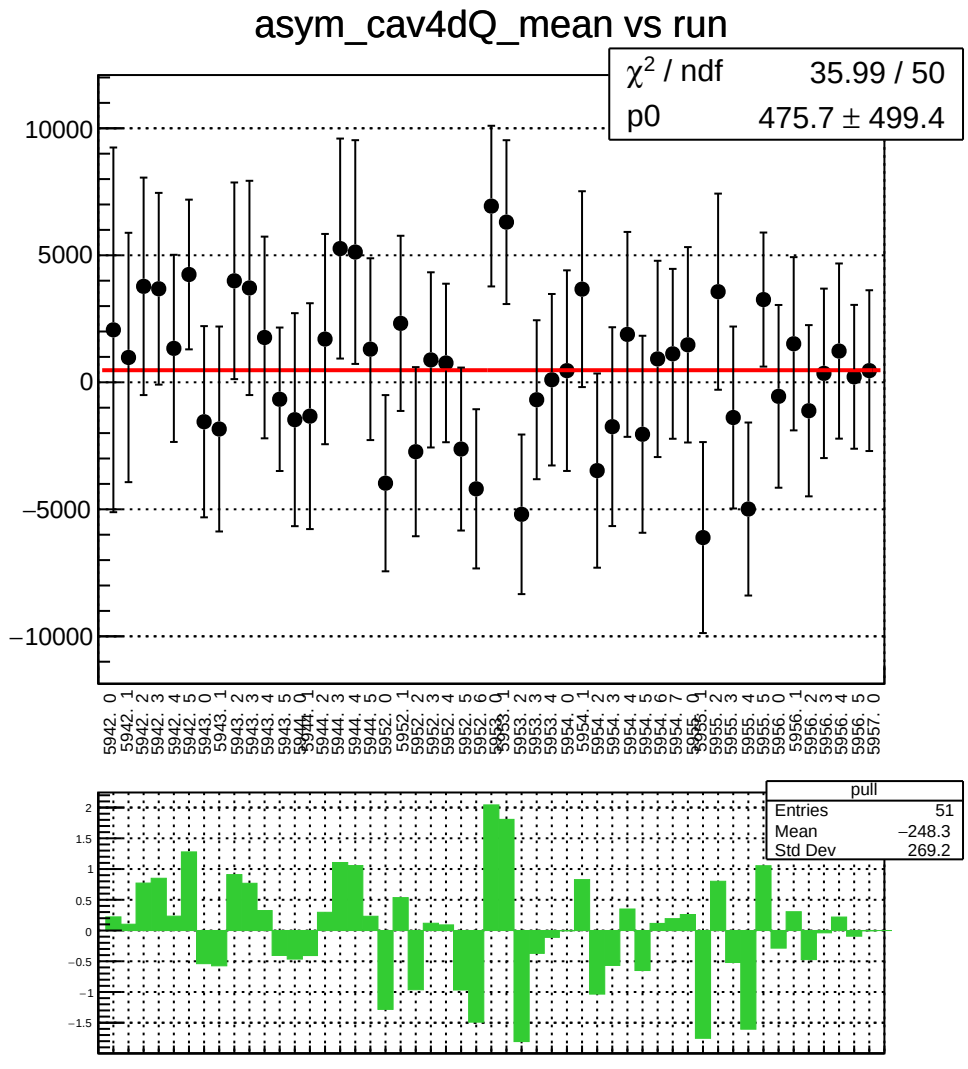

pull1D
Entries 51
Mean 0.004295
Std Dev 1.062
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

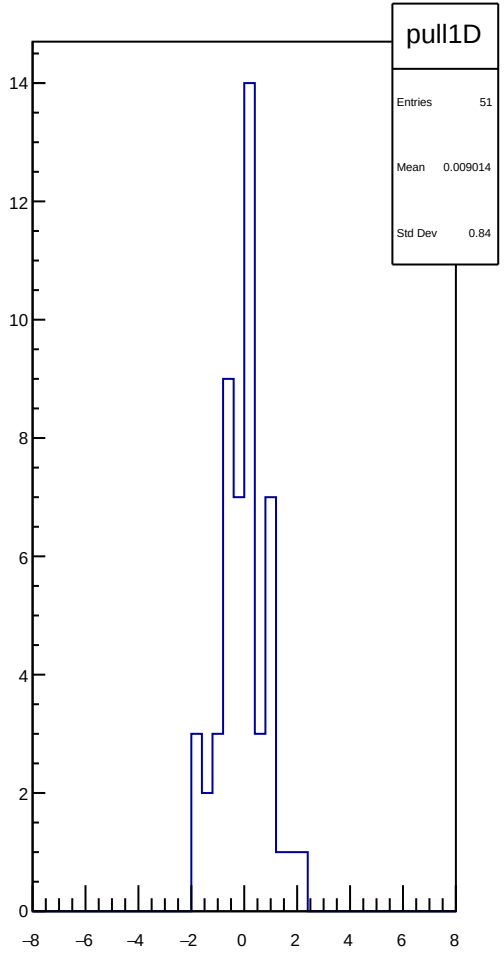

asym_cav4bQ_rms vs run
χ² / ndf 6067 / 50
p0 660 ± 0.6664
850
800
750
700
650
600
550
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 1
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

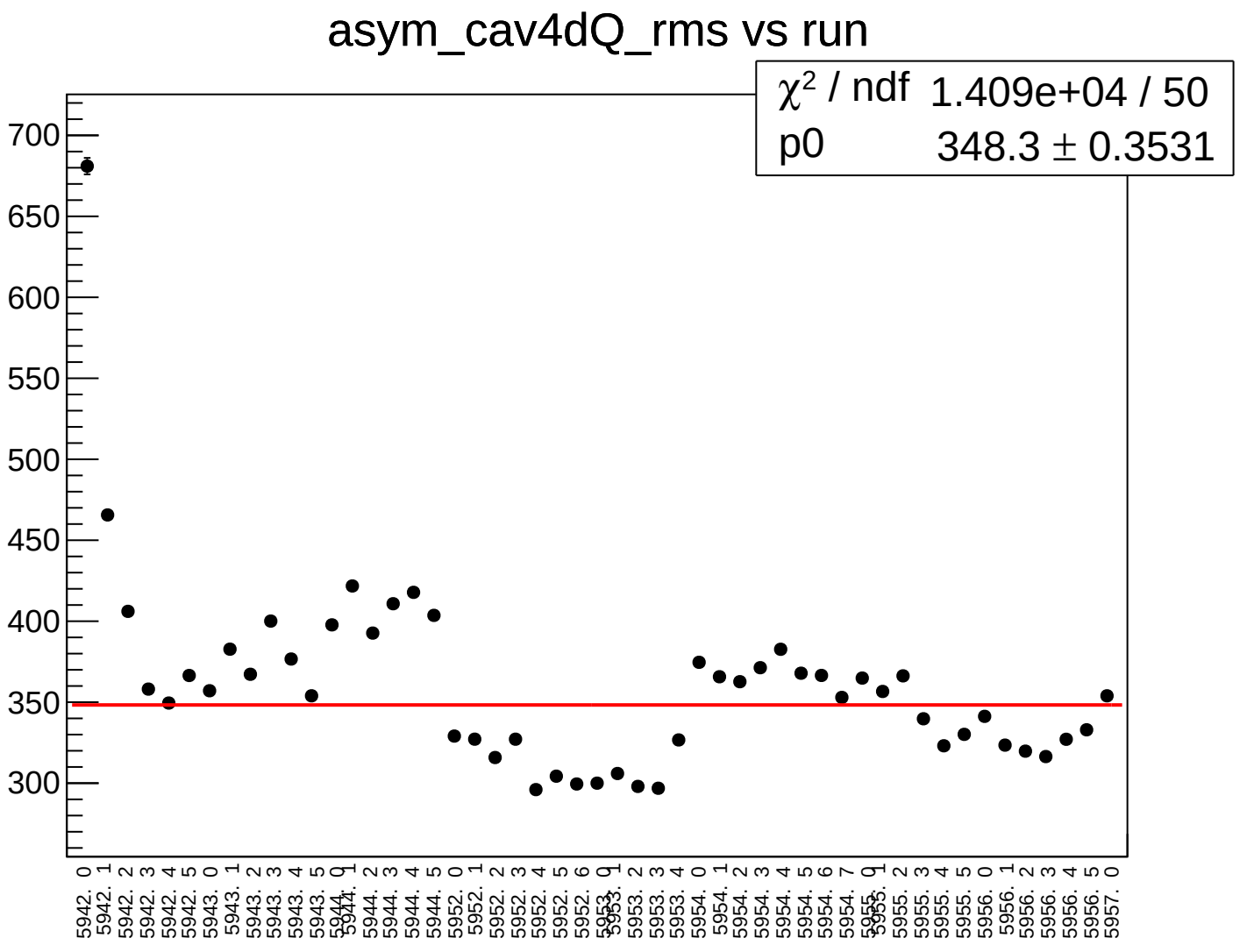

asym_cav4cQ_mean vs run
χ² / ndf 12.4 / 50
p0 81.72 ± 281.5
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 51
Mean −101.7
Std Dev 126.7
1
0.5
0
−0.5
−1

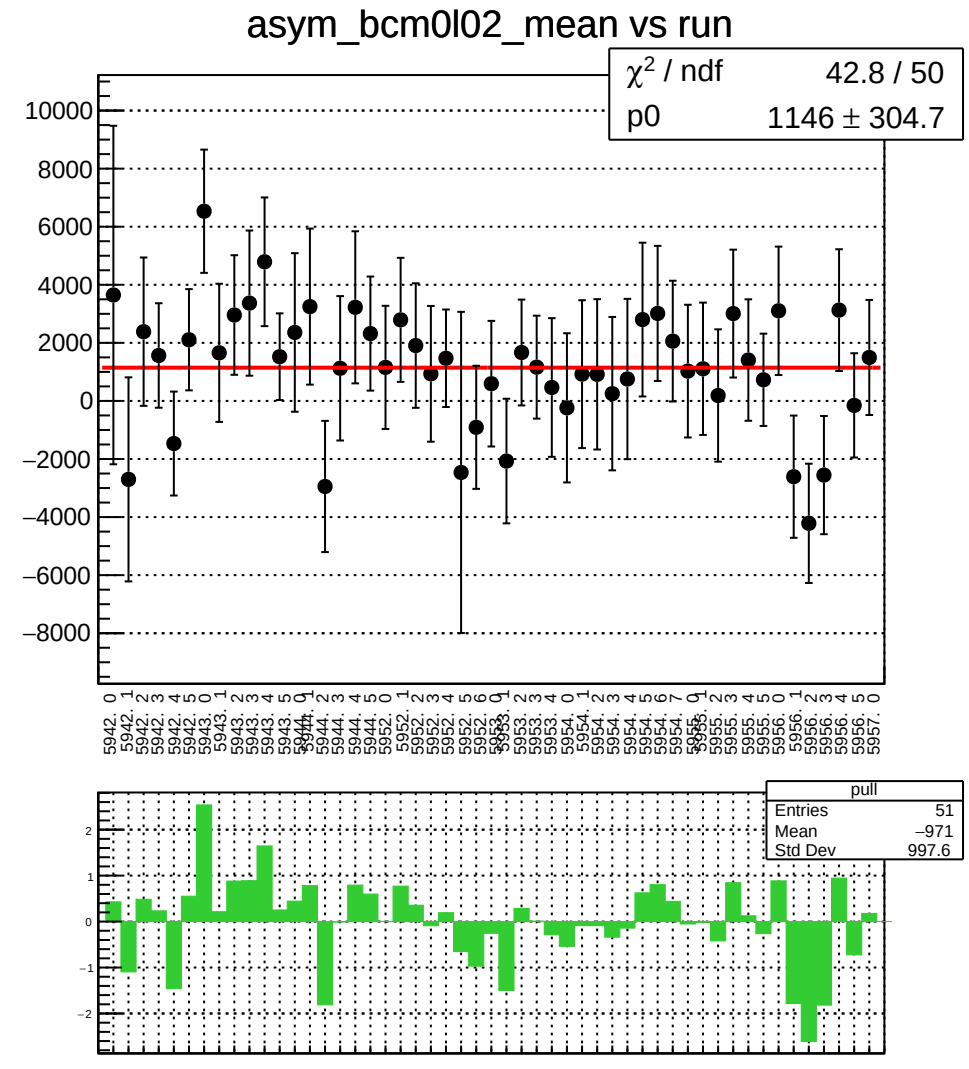

pull1D
Entries 51
Mean 0.01212
Std Dev 0.4929
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

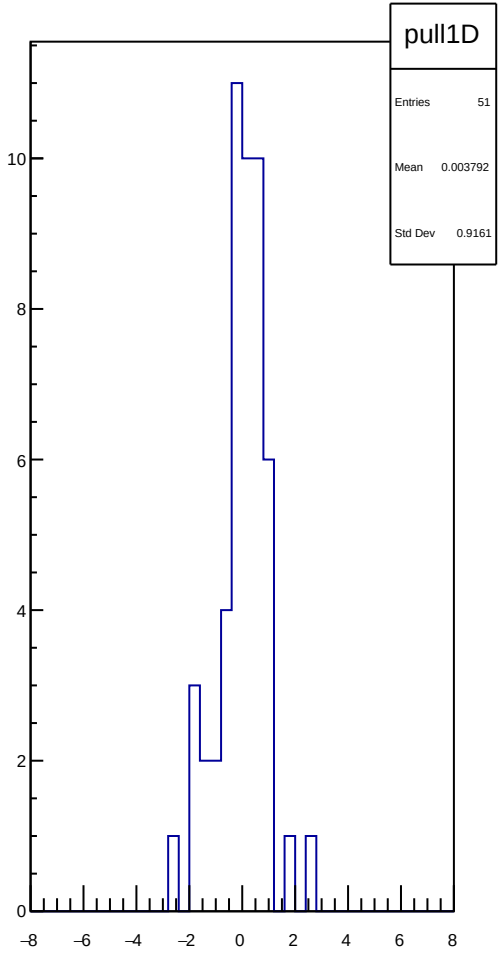

asym_cav4cQ_rms vs run
χ² / ndf 3.036e+04 / 50
p0 194.7 ± 0.199
600
500
400
300
200
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5952. 7
5953. 0
5953. 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

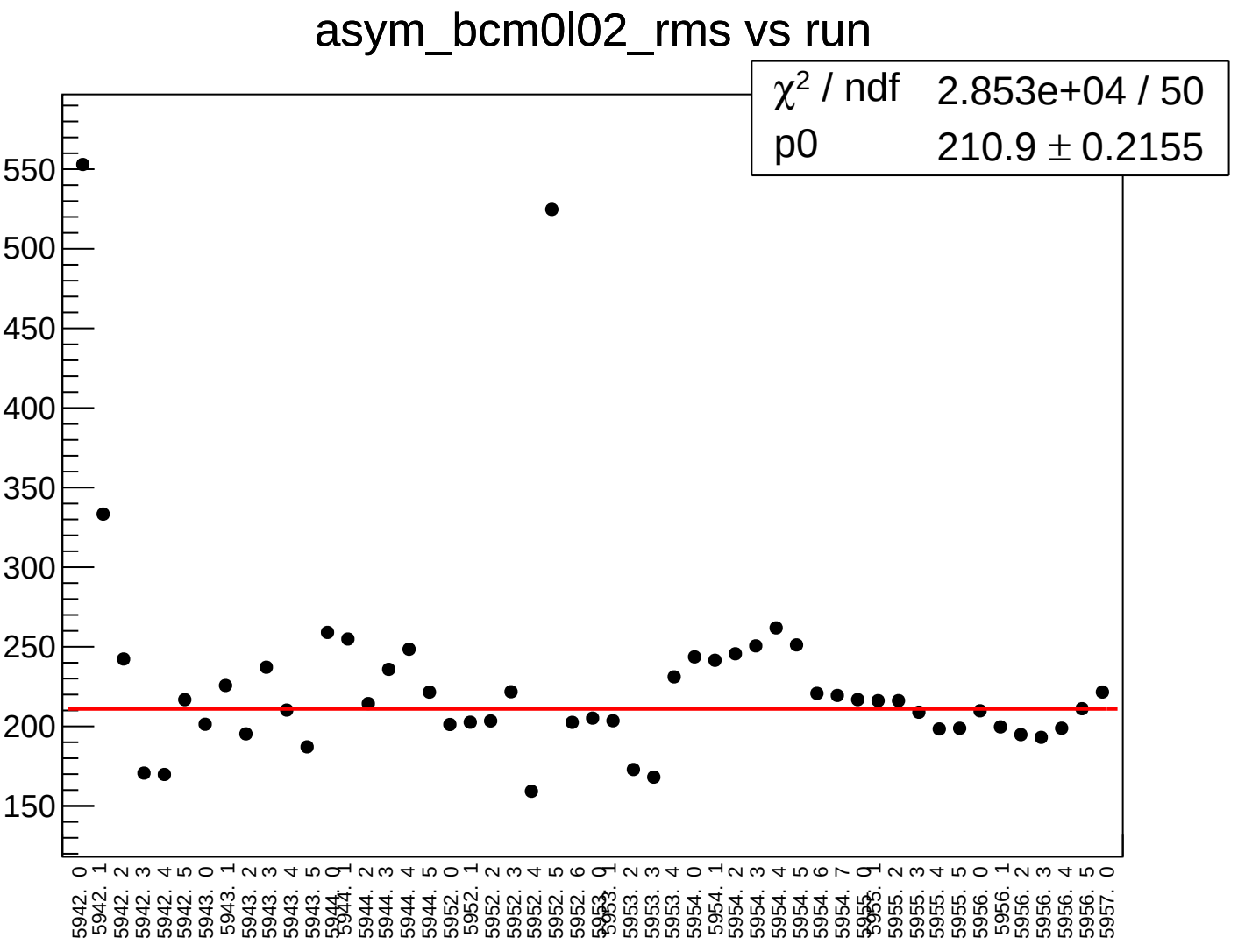

asym_cav4dQ_mean vs run
χ² / ndf 35.99 / 50
p0 475.7 ± 499.4
10000
5000
0
−5000
−10000
pull
Entries 51
Mean −248.3
Std Dev 269.2
2
1.5
1
0.5
0
−0.5
−1
−1.5

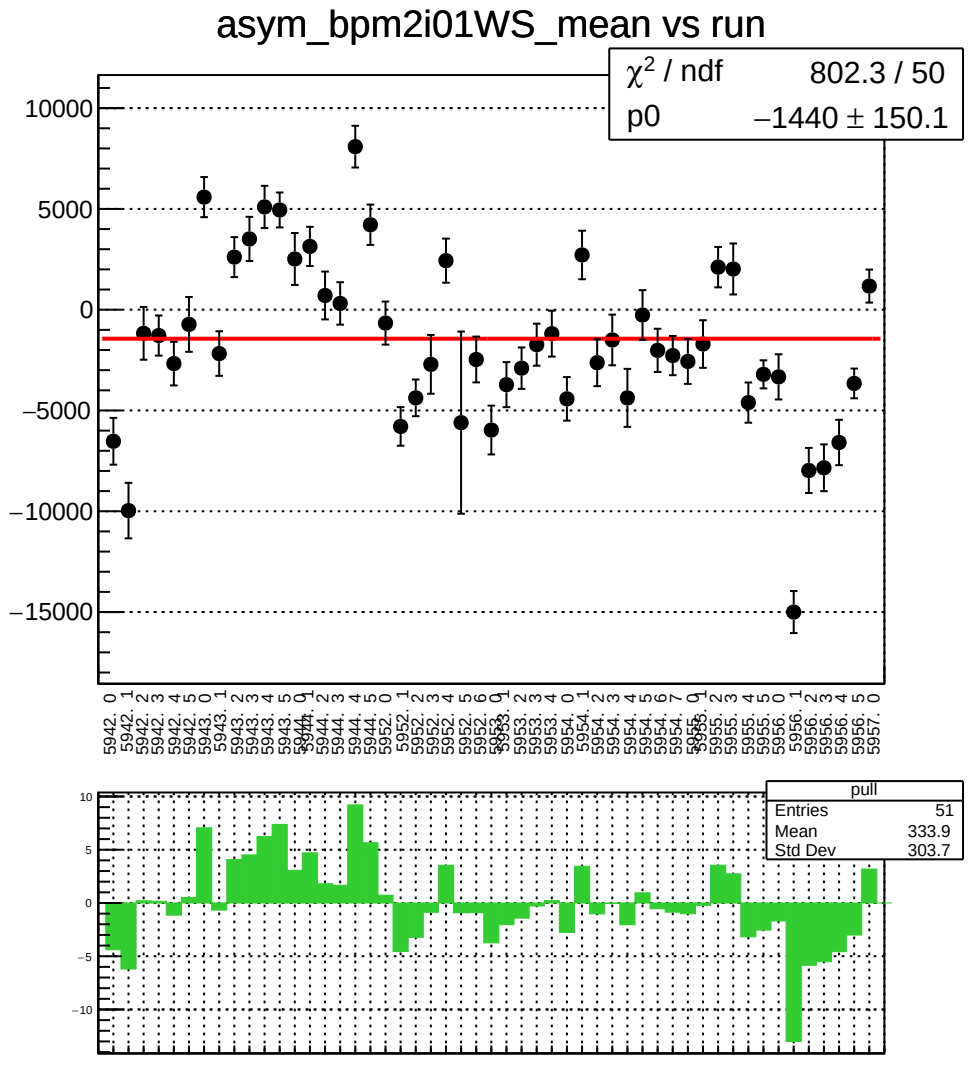

pull1D
Entries 51
Mean 0.009014
Std Dev 0.84
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

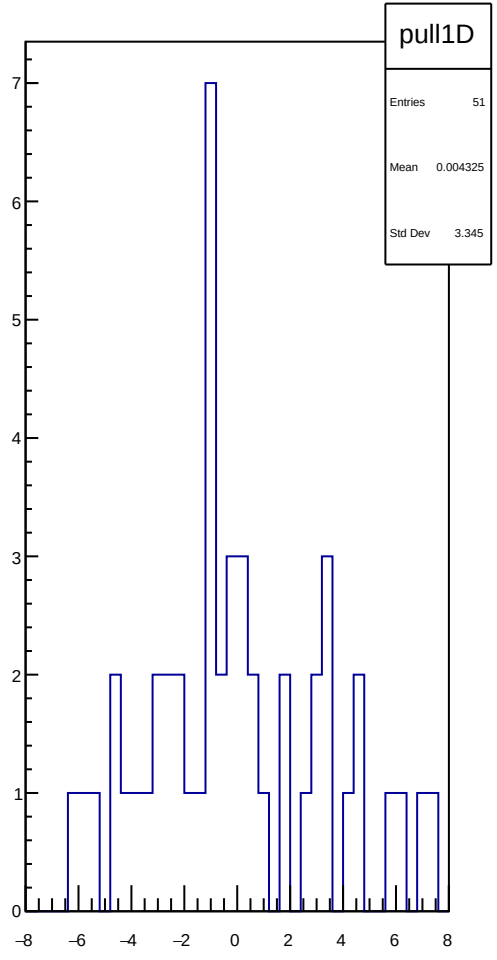

asym_cav4dQ_rms vs run
χ² / ndf 1.409e+04 / 50
p0 348.3 ± 0.3531
700
650
600
550
500
450
400
350
300
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
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

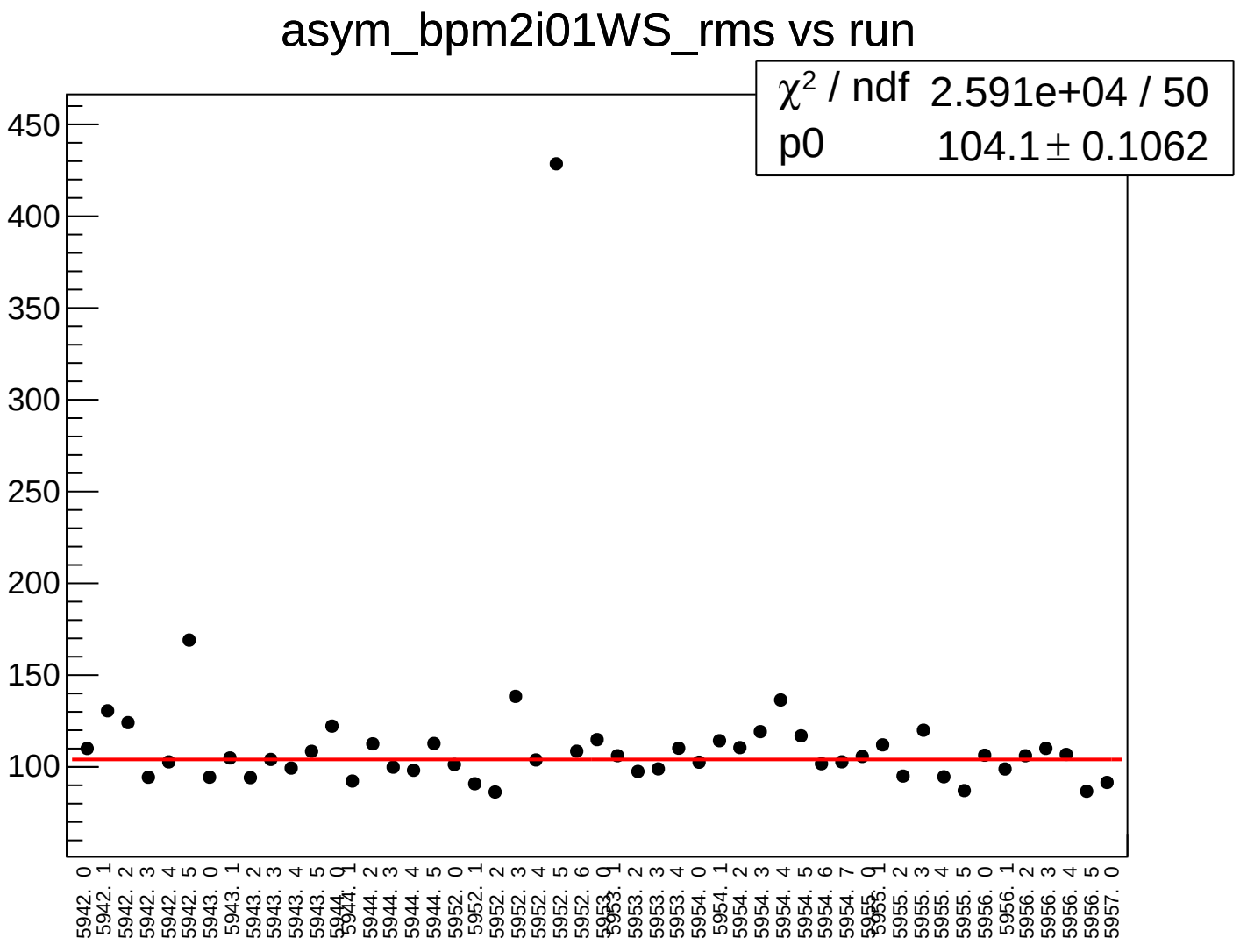

asym_bcm0l02_mean vs run
χ^2 / ndf 42.8 / 50
p0 1146 ± 304.7
pull
Entries 51
Mean −971
Std Dev 997.6

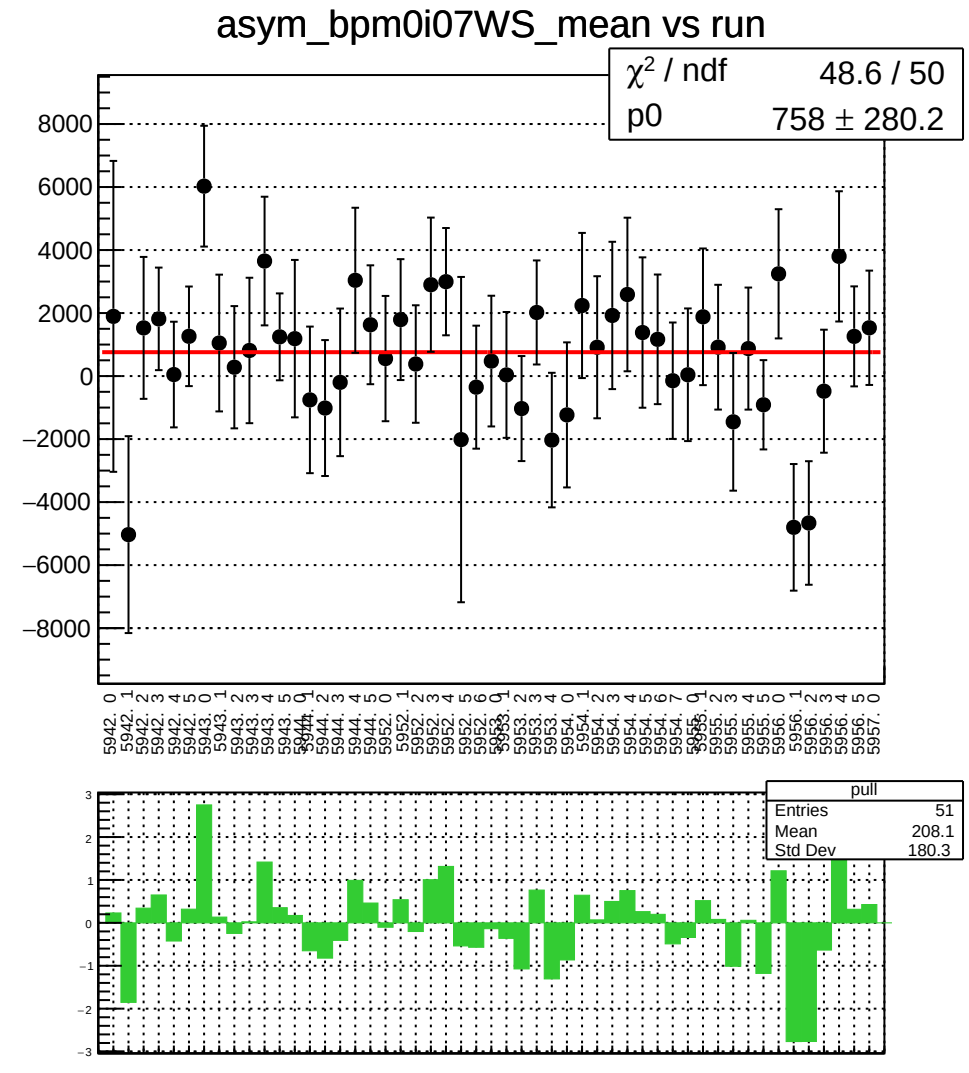

pull1D
Entries 51
Mean 0.003792
Std Dev 0.9161

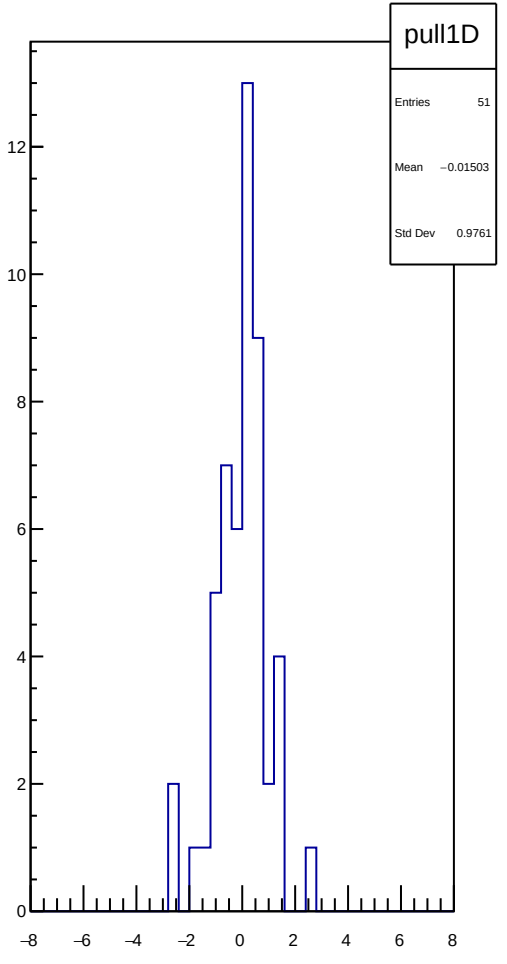

asym_bcm0l02_rms vs run
χ² / ndf 2.853e+04 / 50
p0 210.9 ± 0.2155
550
500
450
400
350
300
250
200
150
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
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

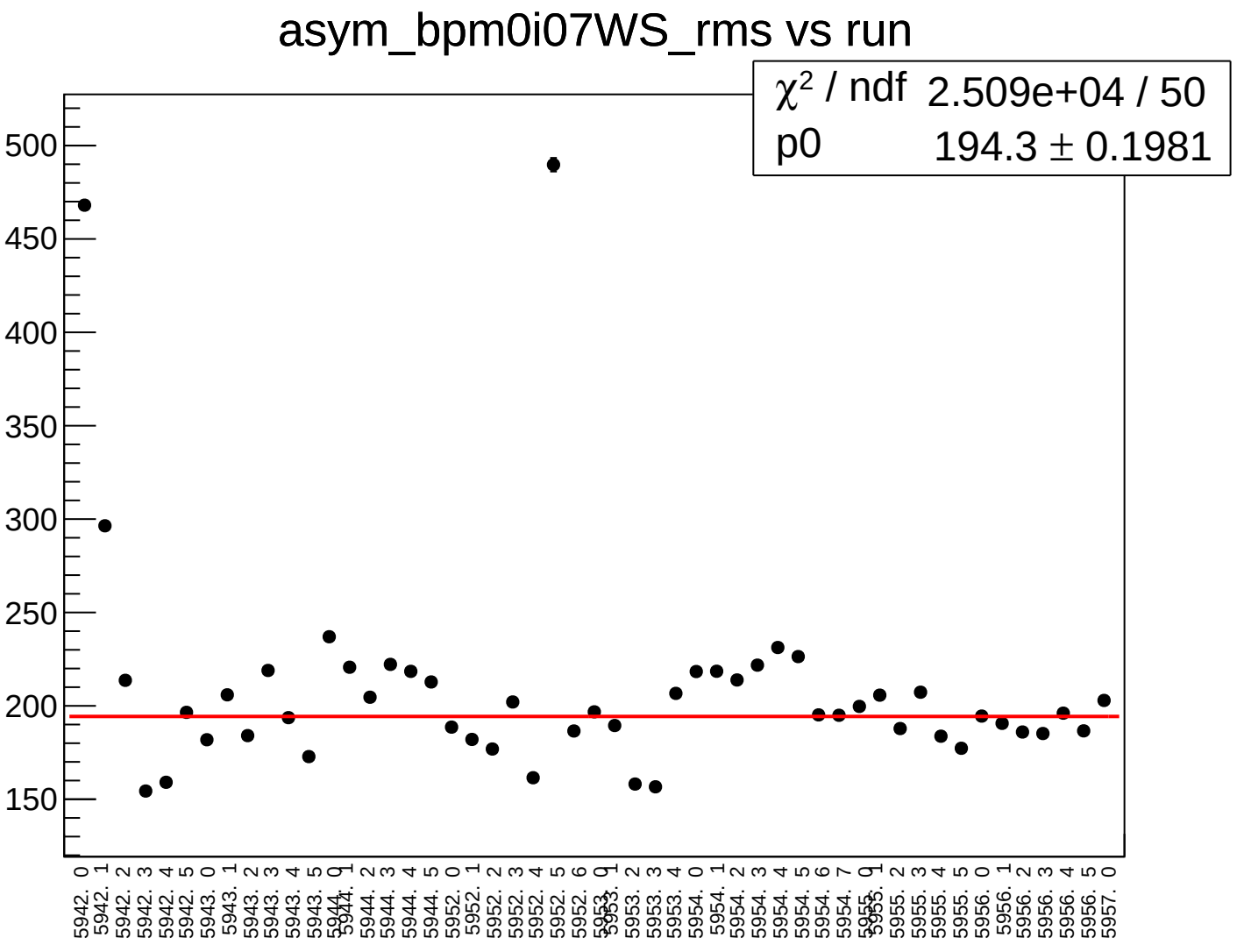

asym_bpm2i01WS_mean vs run
χ² / ndf 802.3 / 50
p0 −1440 ± 150.1
10000
5000
0
−5000
−10000
−15000
pull
Entries 51
Mean 333.9
Std Dev 303.7
10
5
0
−5
−10

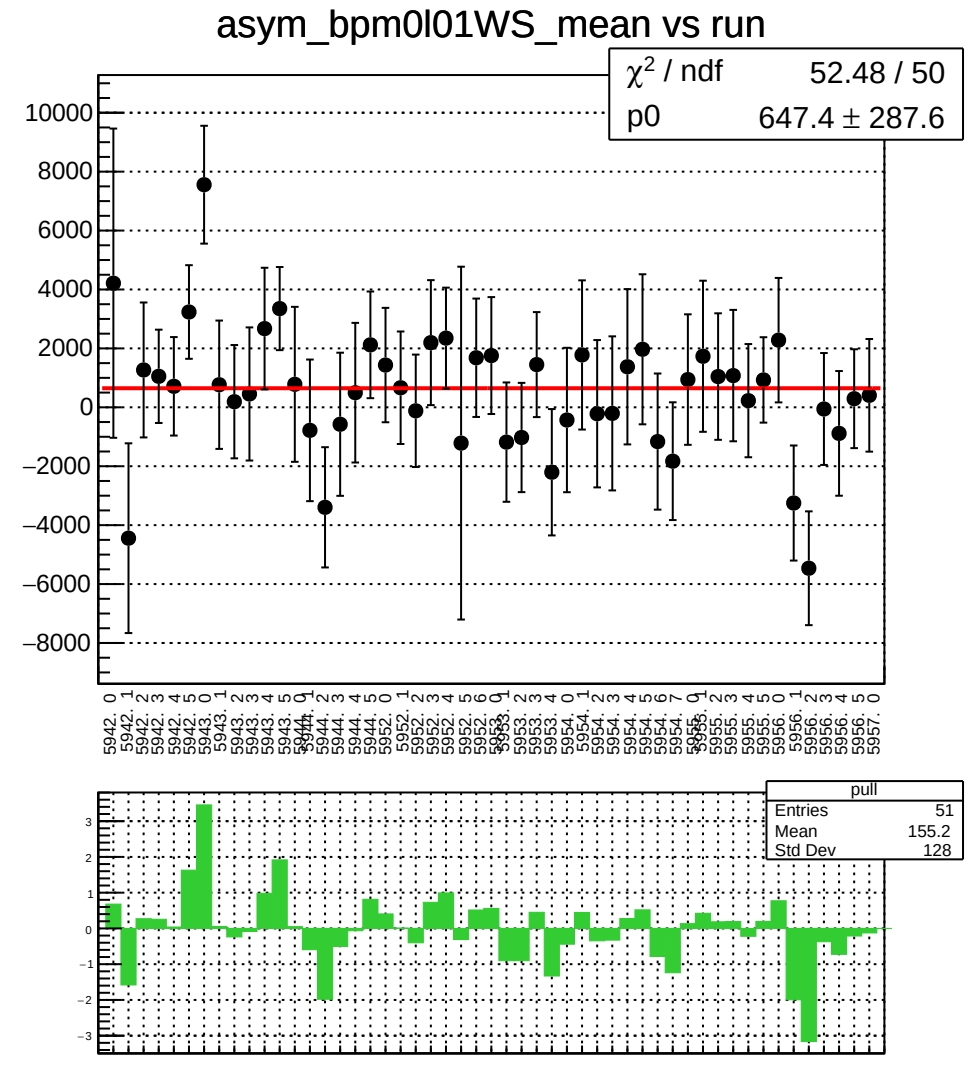

pull1D
Entries 51
Mean 0.004325
Std Dev 3.345
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

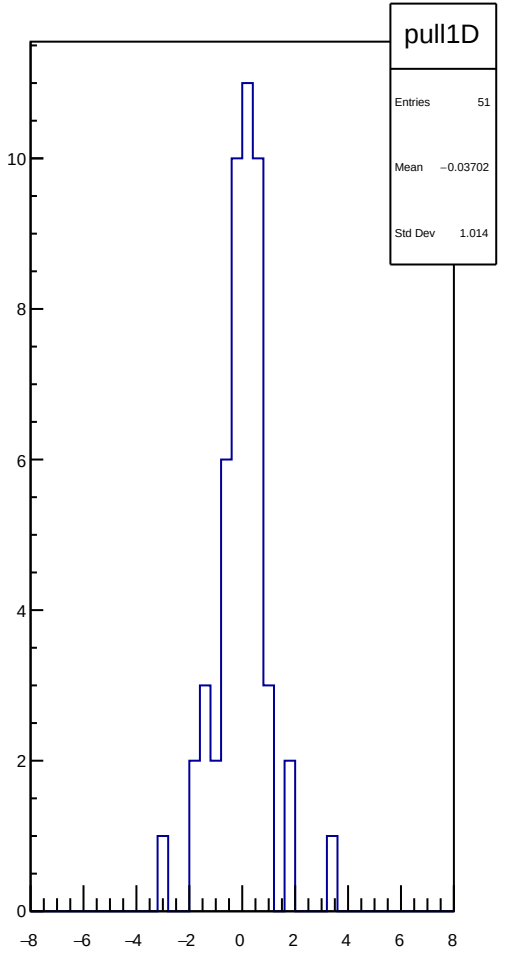

asym_bpm2i01WS_rms vs run
χ² / ndf 2.591e+04 / 50
p0 104.1 ± 0.1062
450
400
350
300
250
200
150
100
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 3
5954. 4
5954. 5
5954. 6
5954. 7
5955. 1
5955. 2
5955. 3
5955. 4
5955. 5
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

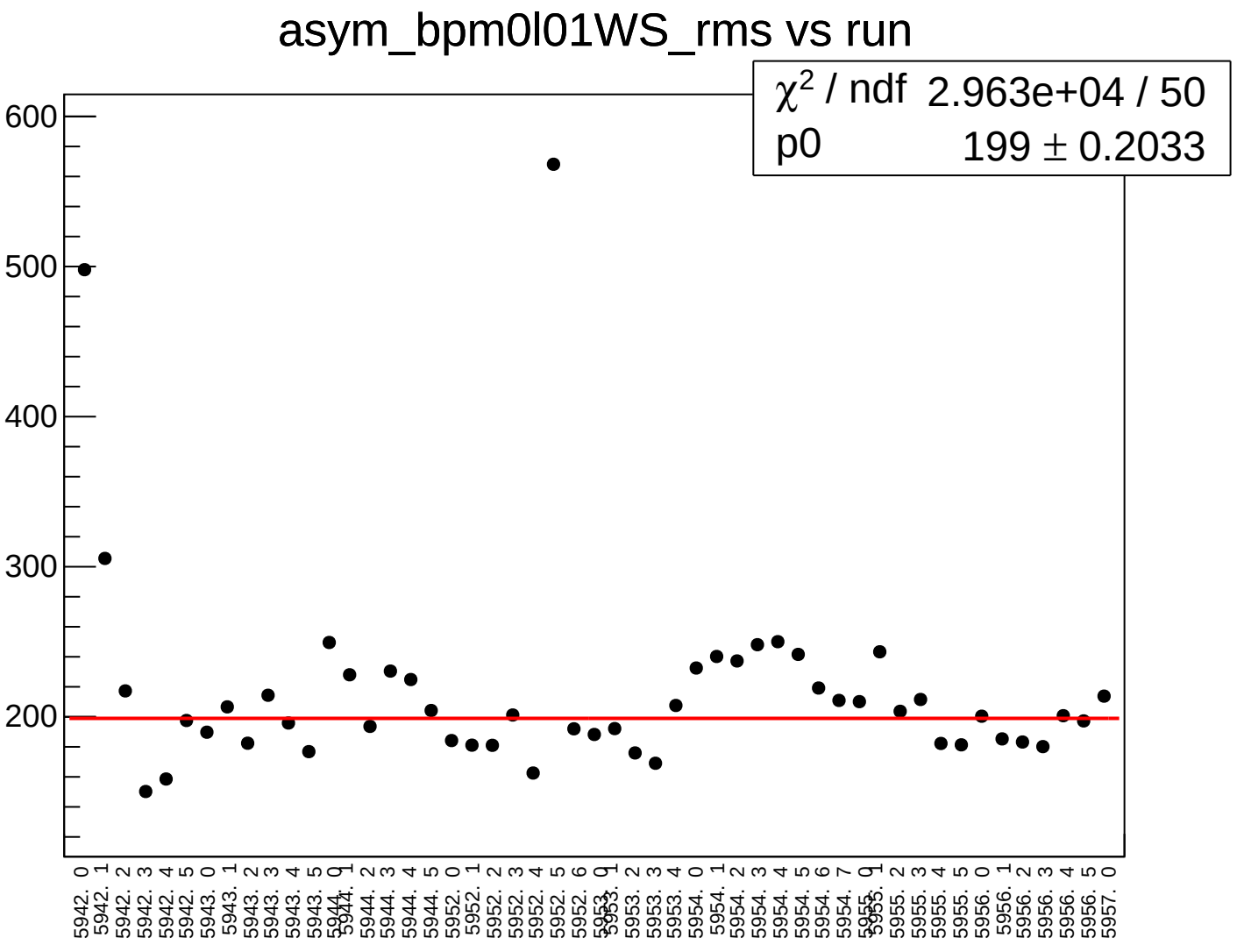

asym_bpm0i07WS_mean vs run
χ² / ndf 48.6 / 50
p0 758 ± 280.2
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 51
Mean 208.1
Std Dev 180.3
3
2
1
0
−1
−2
−3

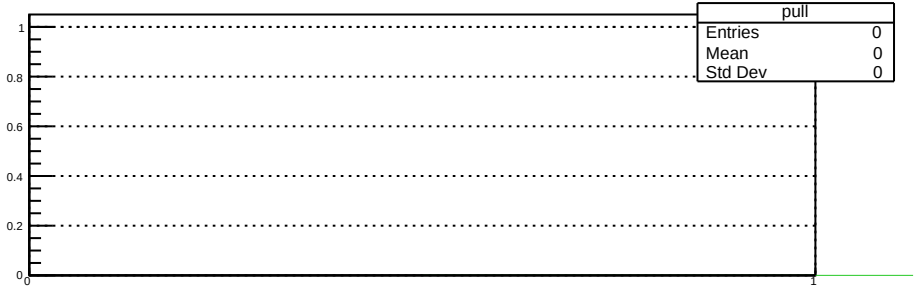

pull1D
Entries 51
Mean −0.01503
Std Dev 0.9761
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

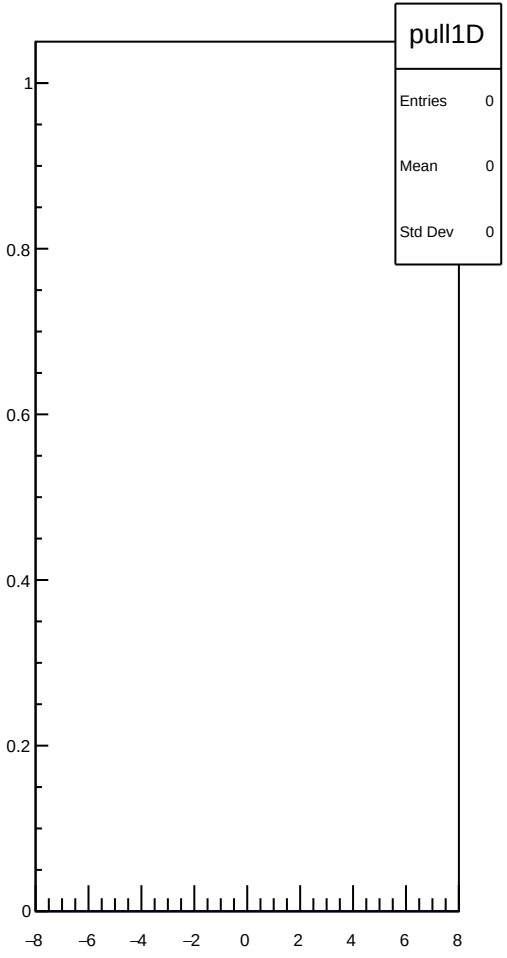

asym_bpm0i07WS_rms vs run
χ² / ndf 2.509e+04 / 50
p0 194.3 ± 0.1981
500
450
400
350
300
250
200
150
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 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

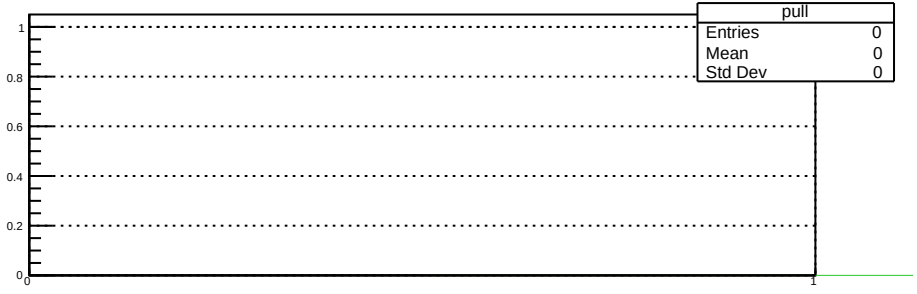

asym_bpm0l01WS_mean vs run
χ² / ndf 52.48 / 50
p0 647.4 ± 287.6
pull
Entries 51
Mean 155.2
Std Dev 128

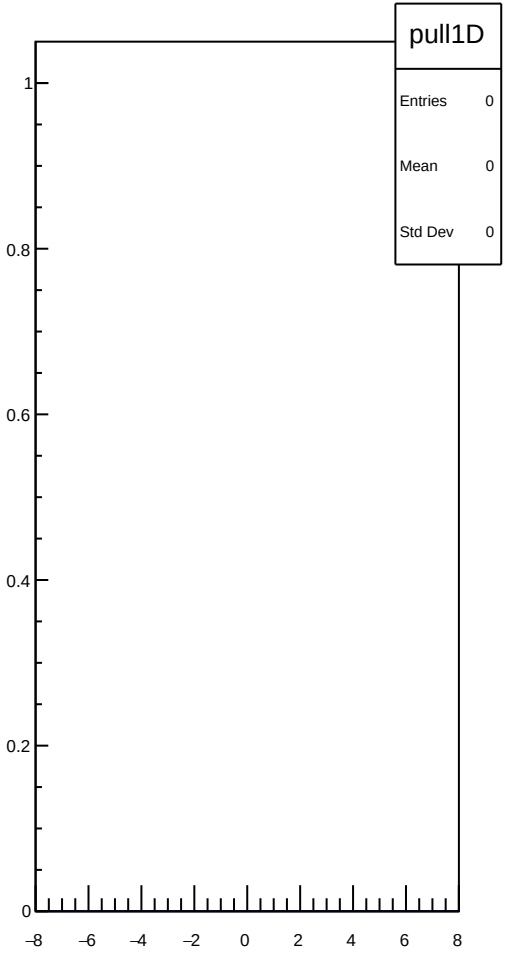

pull1D
Entries 51
Mean −0.03702
Std Dev 1.014

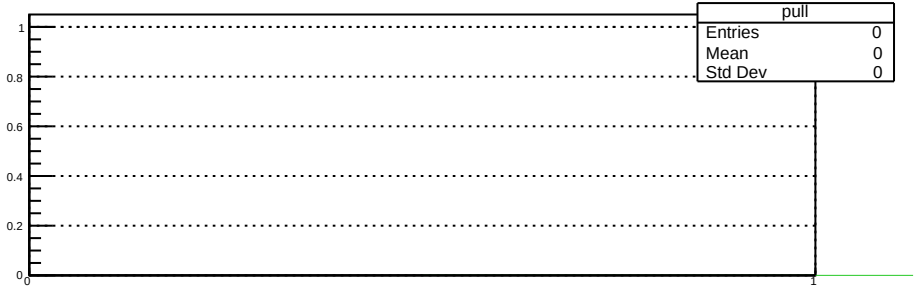

asym_bpm0l01WS_rms vs run
χ² / ndf 2.963e+04 / 50
p0 199 ± 0.2033
600
500
400
300
200
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 1
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

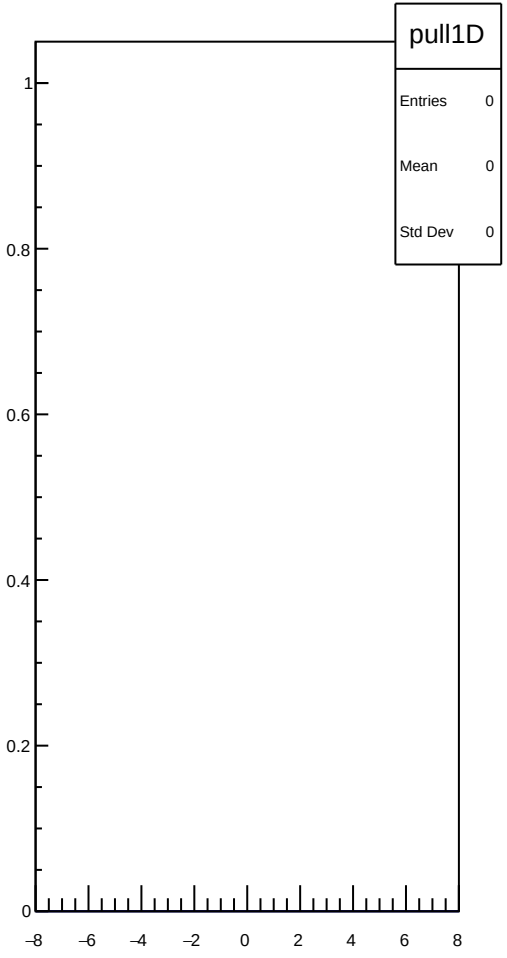

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

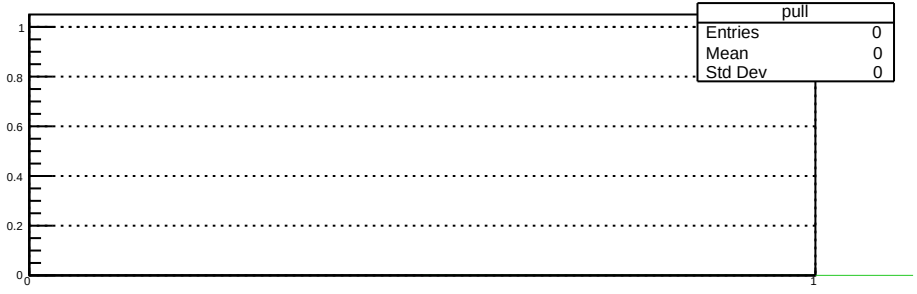

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

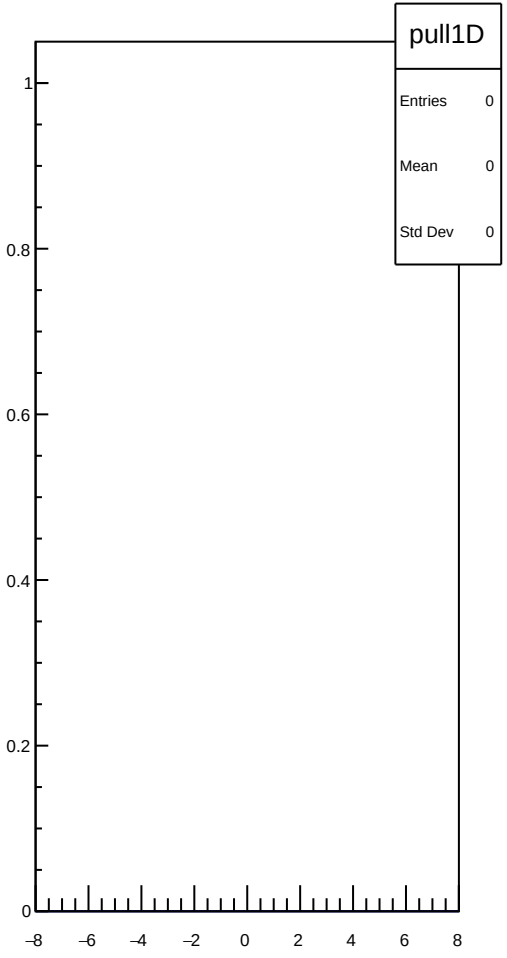

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

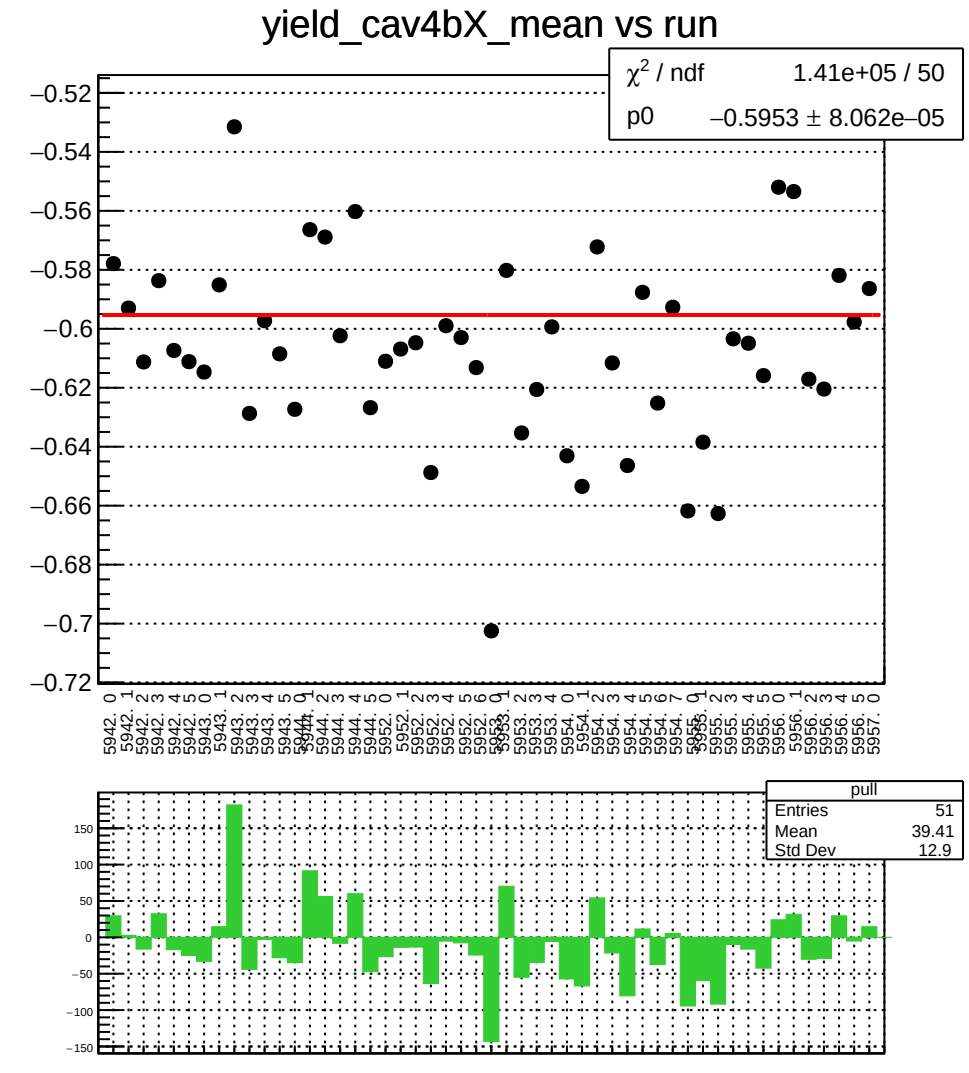

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

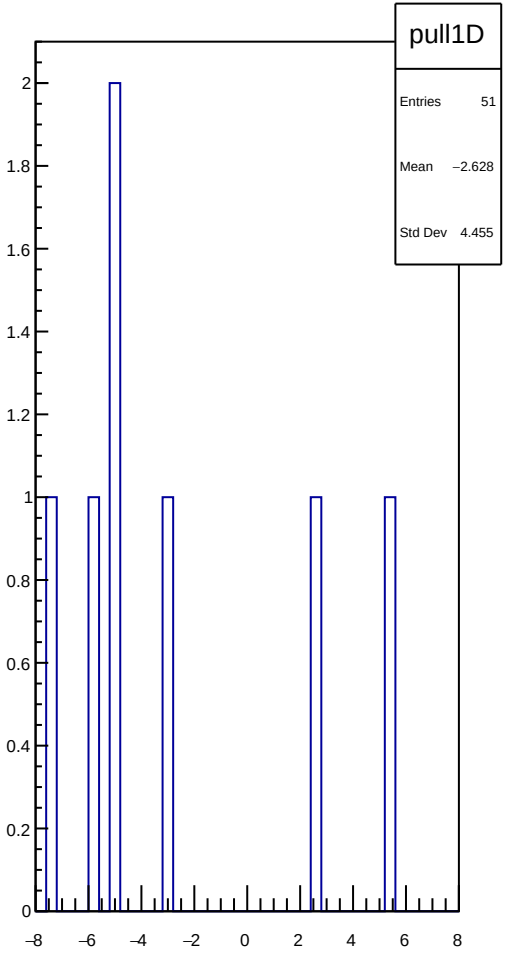

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

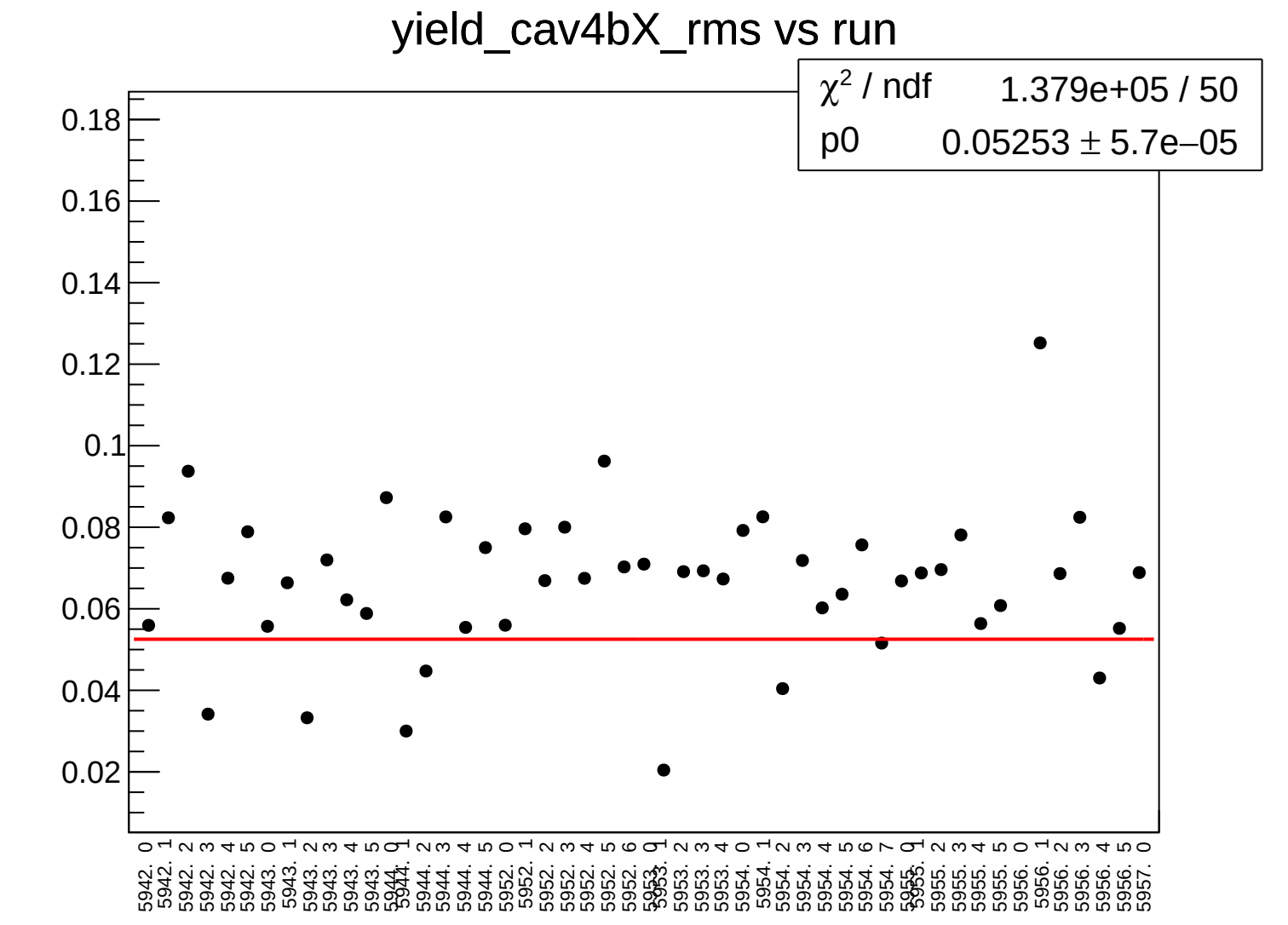

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

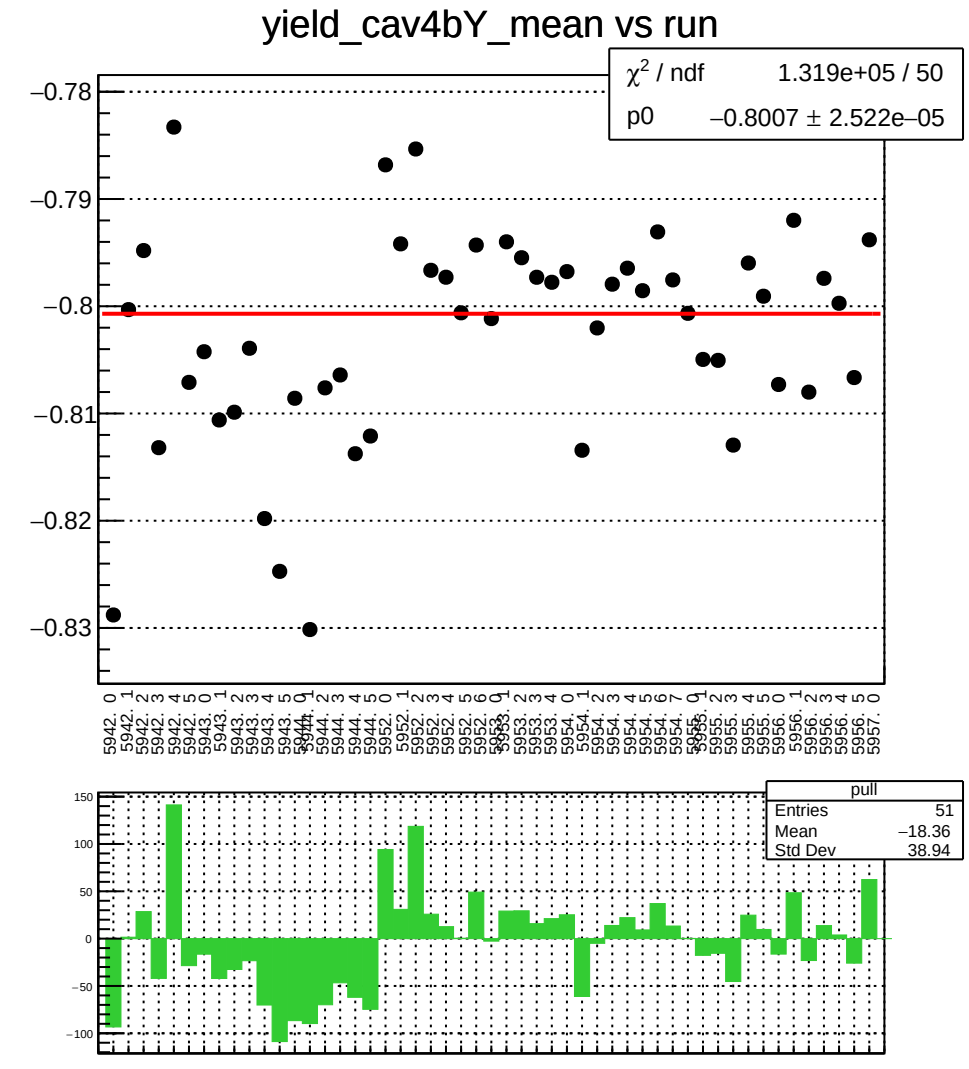

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

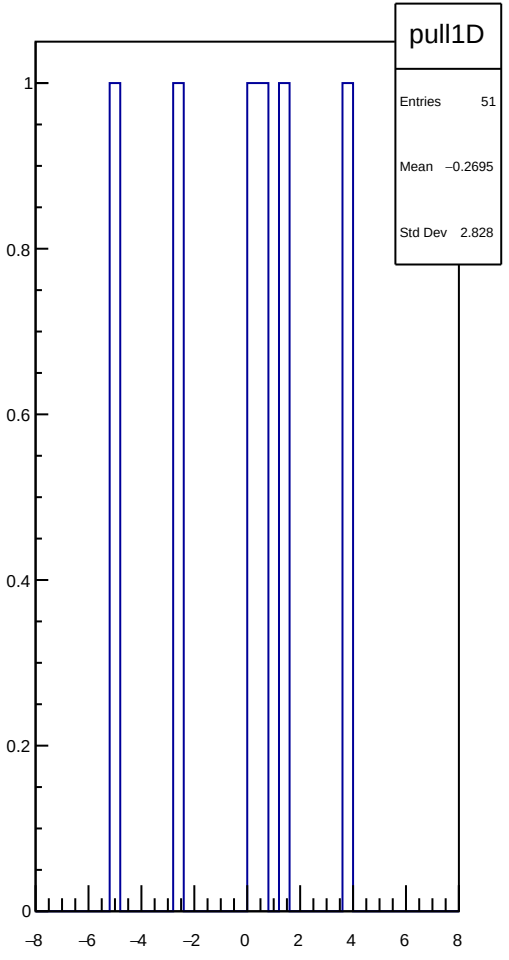

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

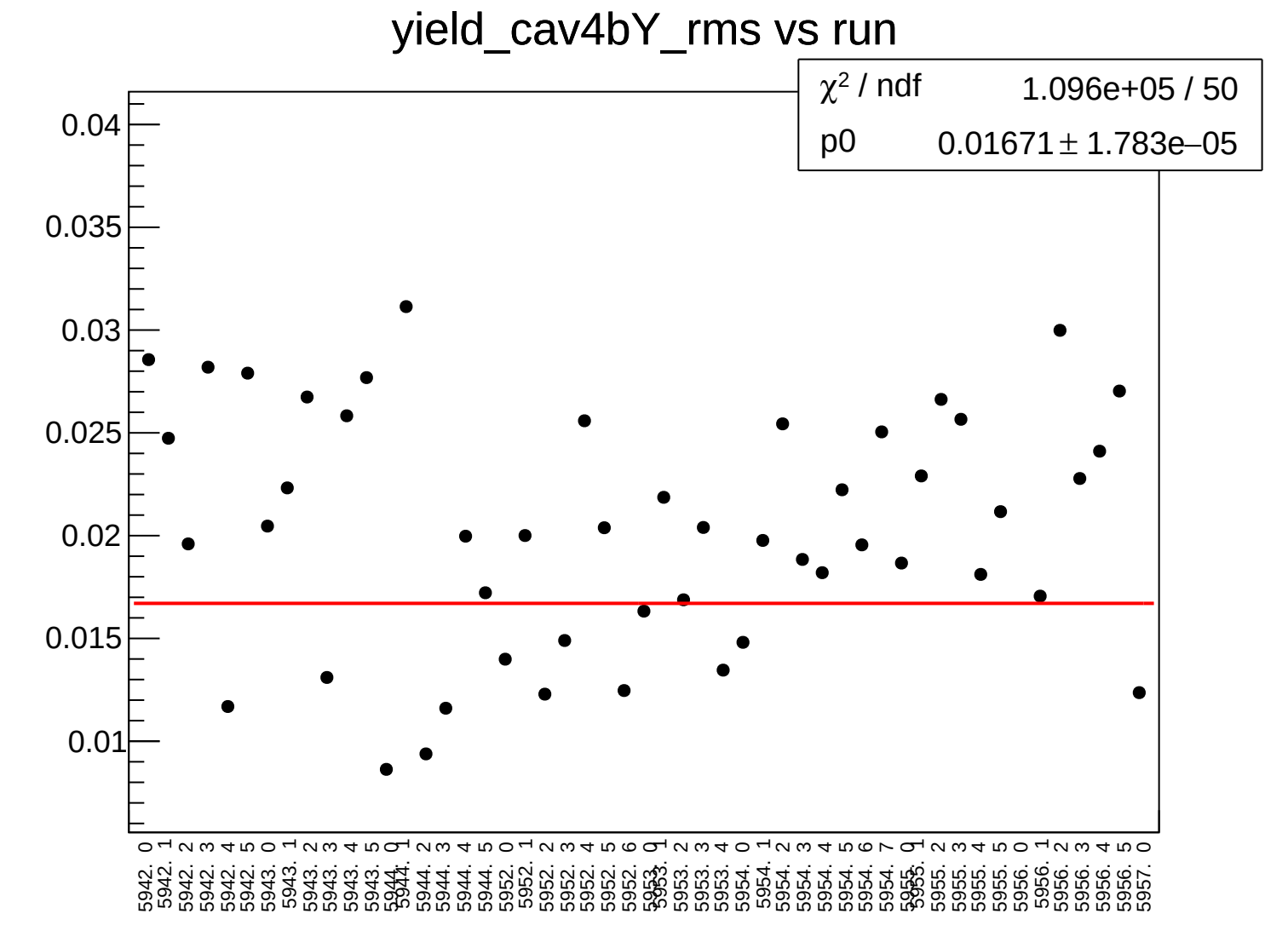

yield_cav4bX_mean vs run
χ² / ndf 1.41e+05 / 50
p0 −0.5953 ± 8.062e−05
pull
Entries 51
Mean 39.41
Std Dev 12.9

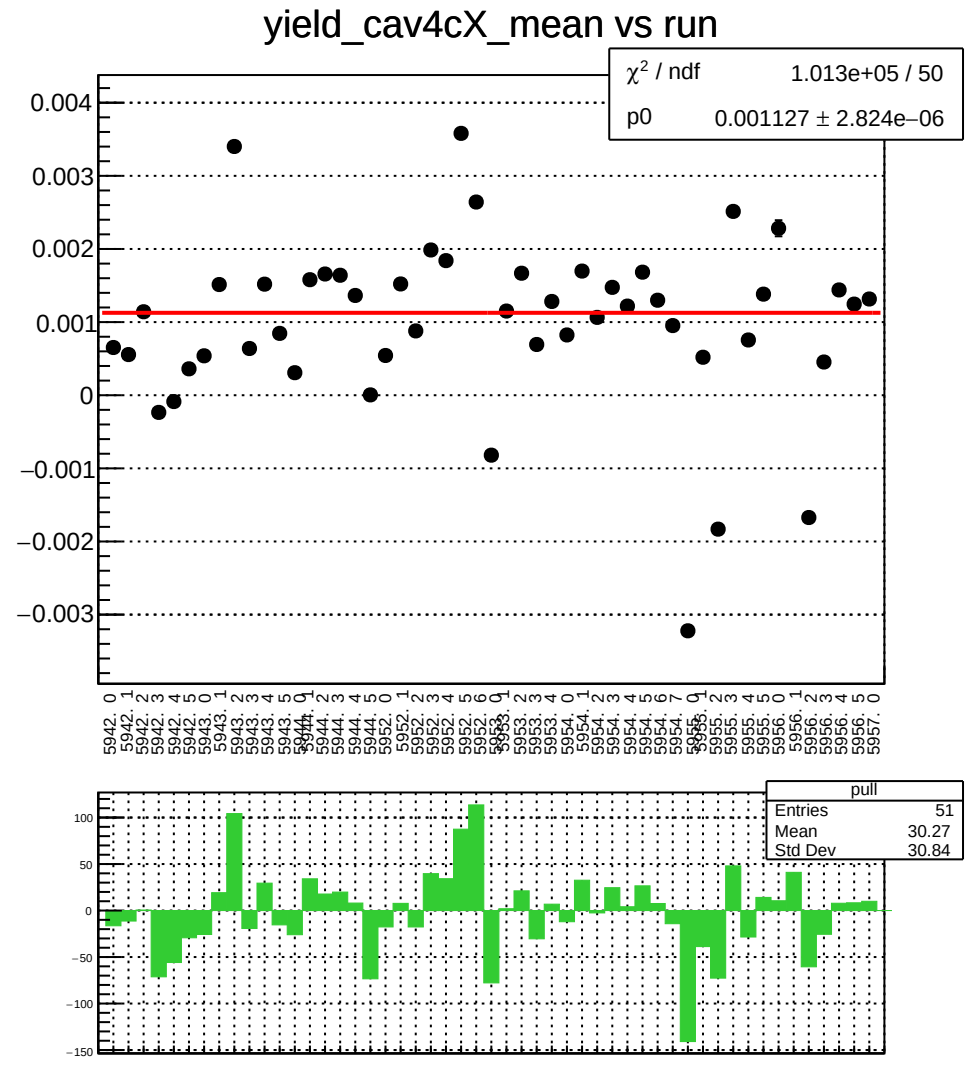

pull1D
Entries 51
Mean −2.628
Std Dev 4.455

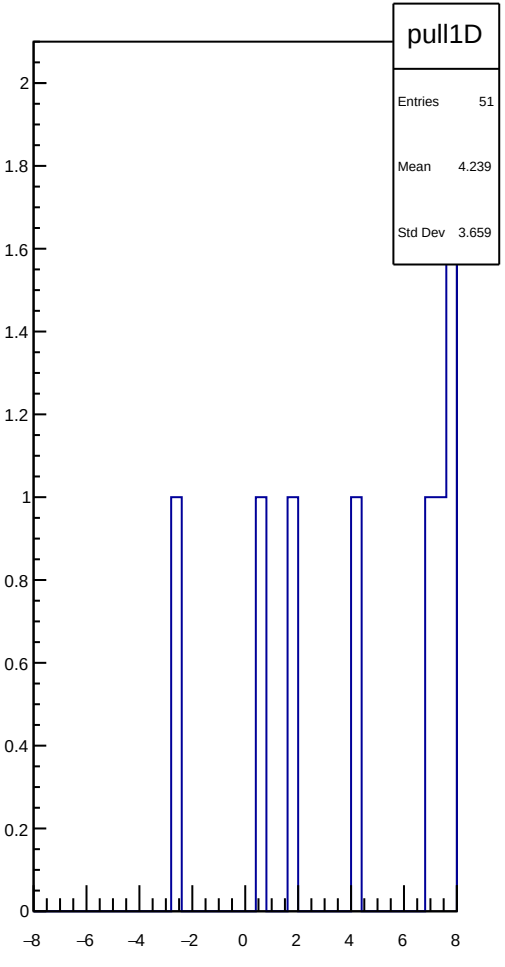

yield_cav4bX_rms vs run
χ^2 / ndf 1.379e+05 / 50
p0 0.05253 ± 5.7e−05
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 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

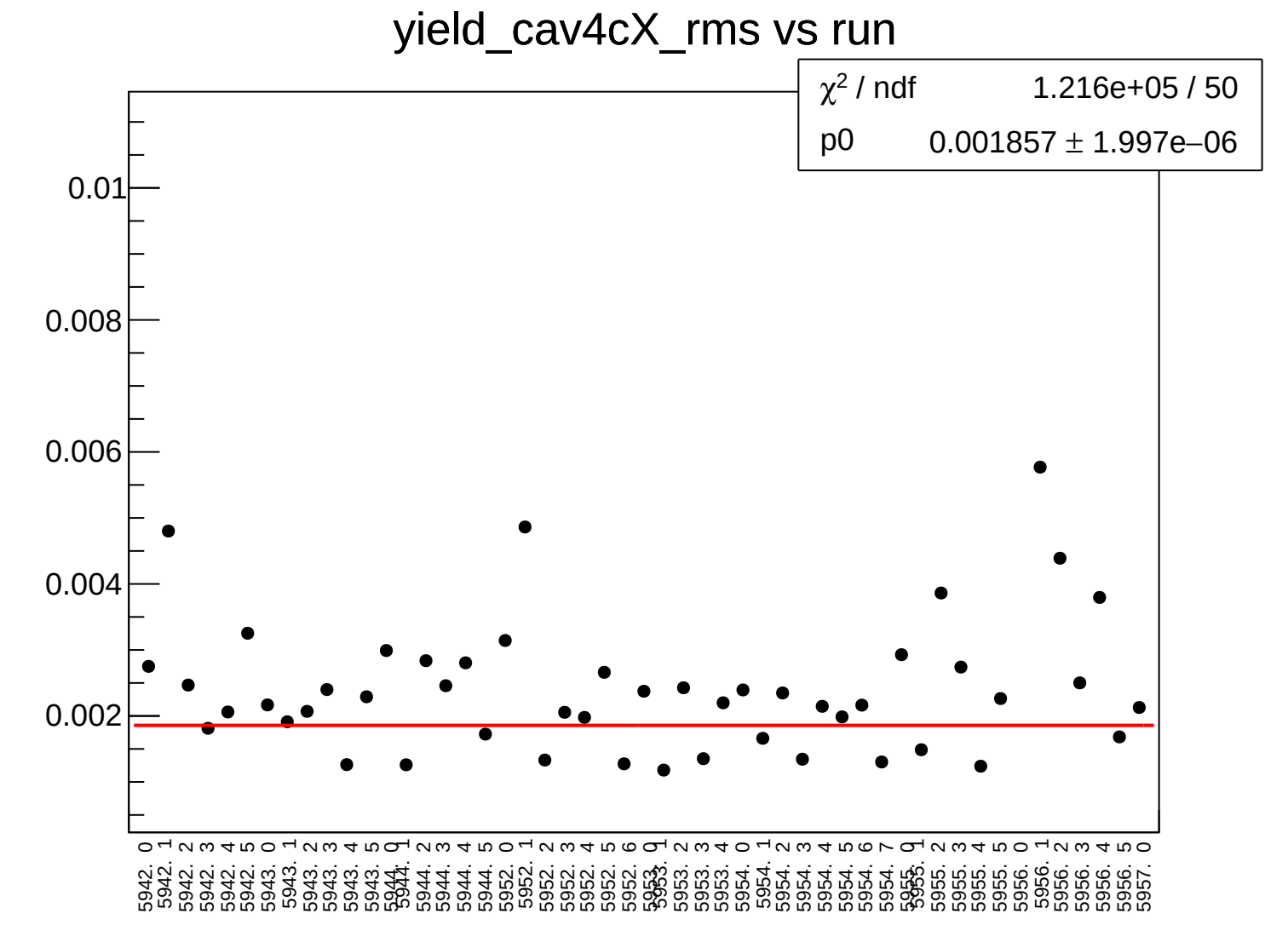

yield_cav4bY_mean vs run
χ² / ndf 1.319e+05 / 50
p0 −0.8007 ± 2.522e−05
−0.78
−0.79
−0.8
−0.81
−0.82
−0.83
pull
Entries 51
Mean −18.36
Std Dev 38.94
150
100
50
0
−50
−100

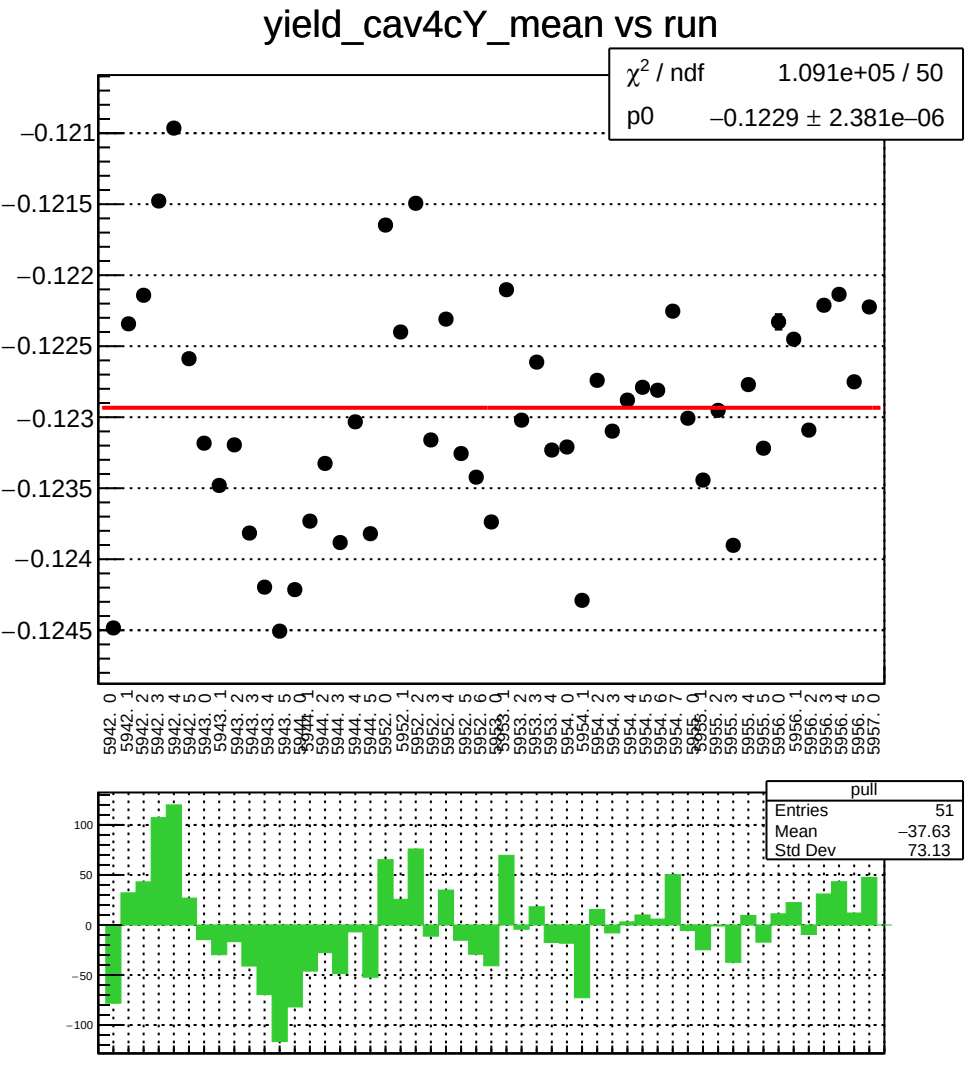

pull1D
Entries 51
Mean −0.2695
Std Dev 2.828
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

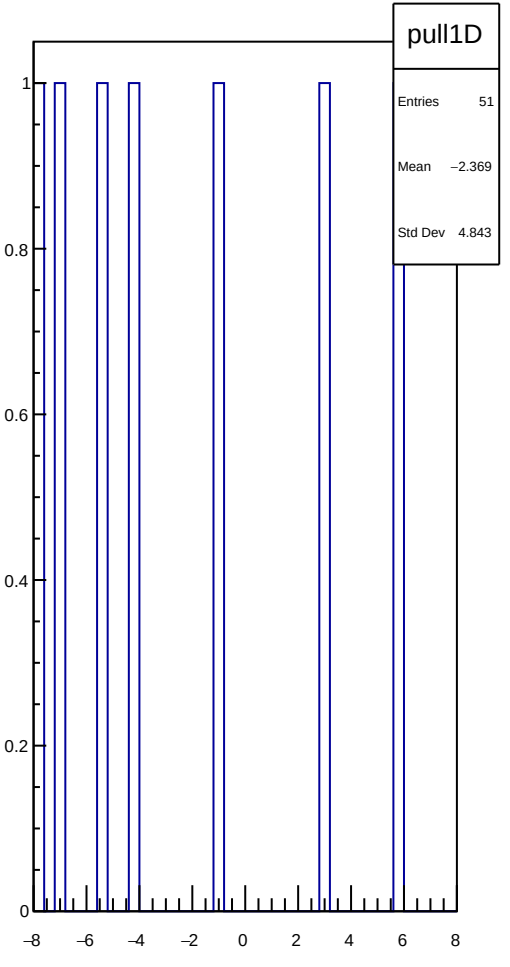

yield_cav4bY_rms vs run
χ² / ndf 1.096e+05 / 50
p0 0.01671 ± 1.783e–05
0.04
0.035
0.03
0.025
0.02
0.015
0.01
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5952. 7
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. 1
5955. 2
5955. 3
5955. 4
5955. 5
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

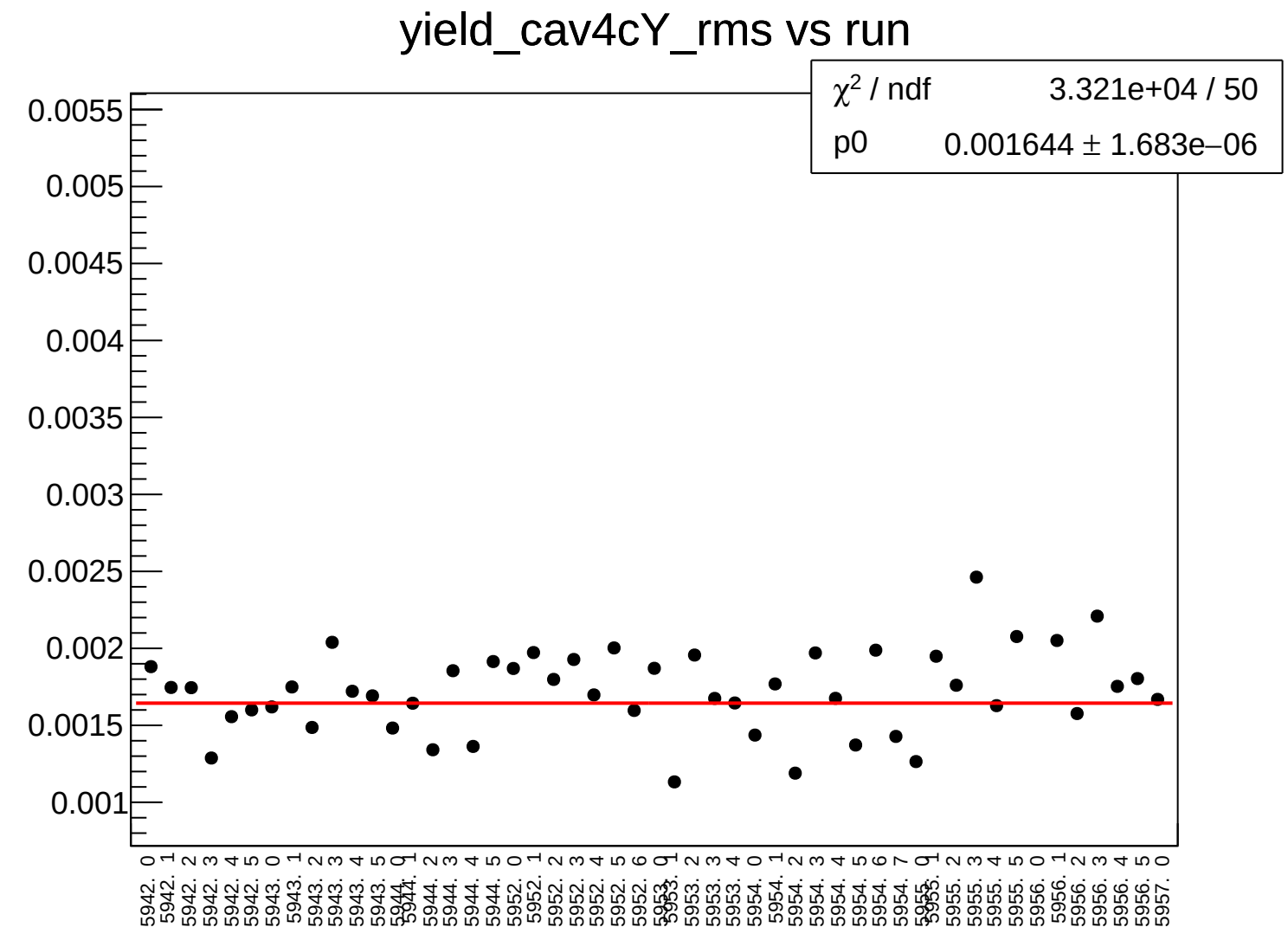

yield_cav4cX_mean vs run
χ² / ndf 1.013e+05 / 50
p0 0.001127 ± 2.824e−06
pull
Entries 51
Mean 30.27
Std Dev 30.84

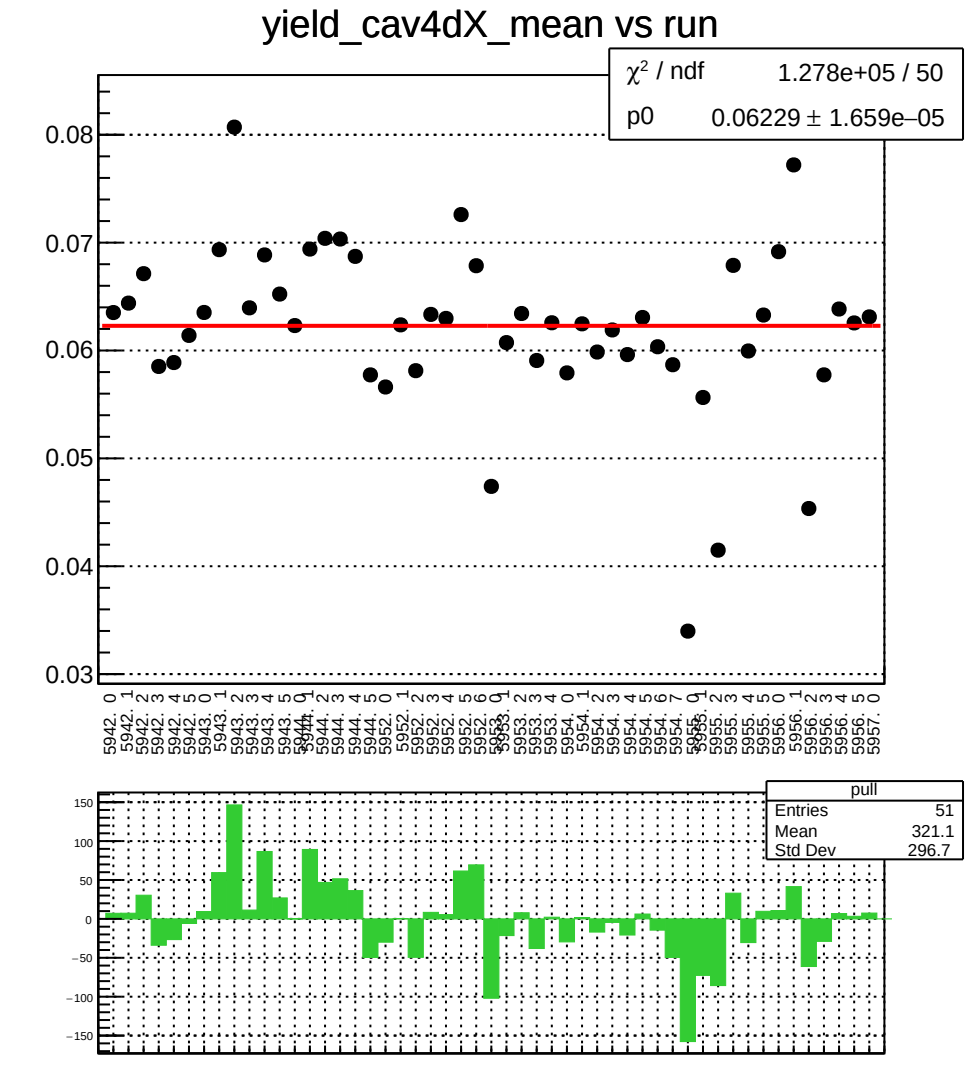

pull1D
Entries 51
Mean 4.239
Std Dev 3.659

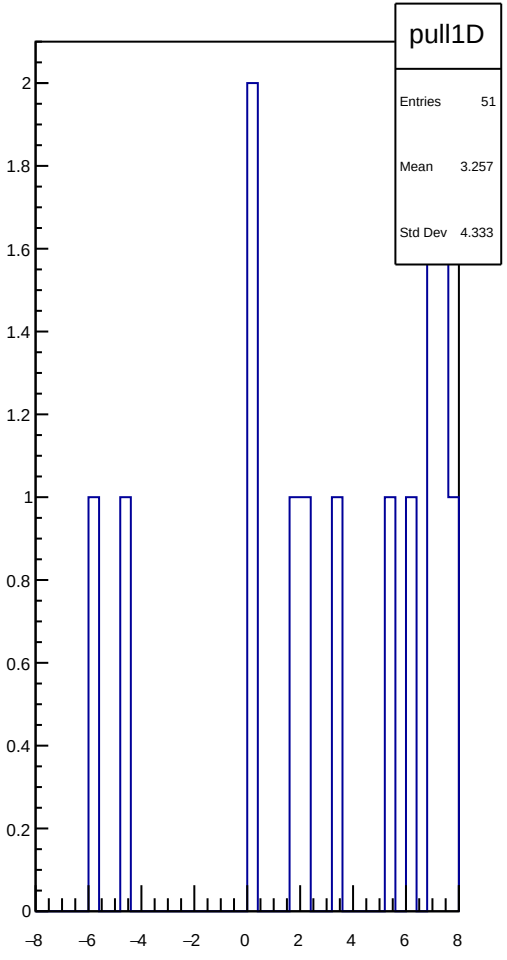

yield_cav4cX_rms vs run
χ² / ndf 1.216e+05 / 50
p0 0.001857 ± 1.997e−06
0.01
0.008
0.006
0.004
0.002
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
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

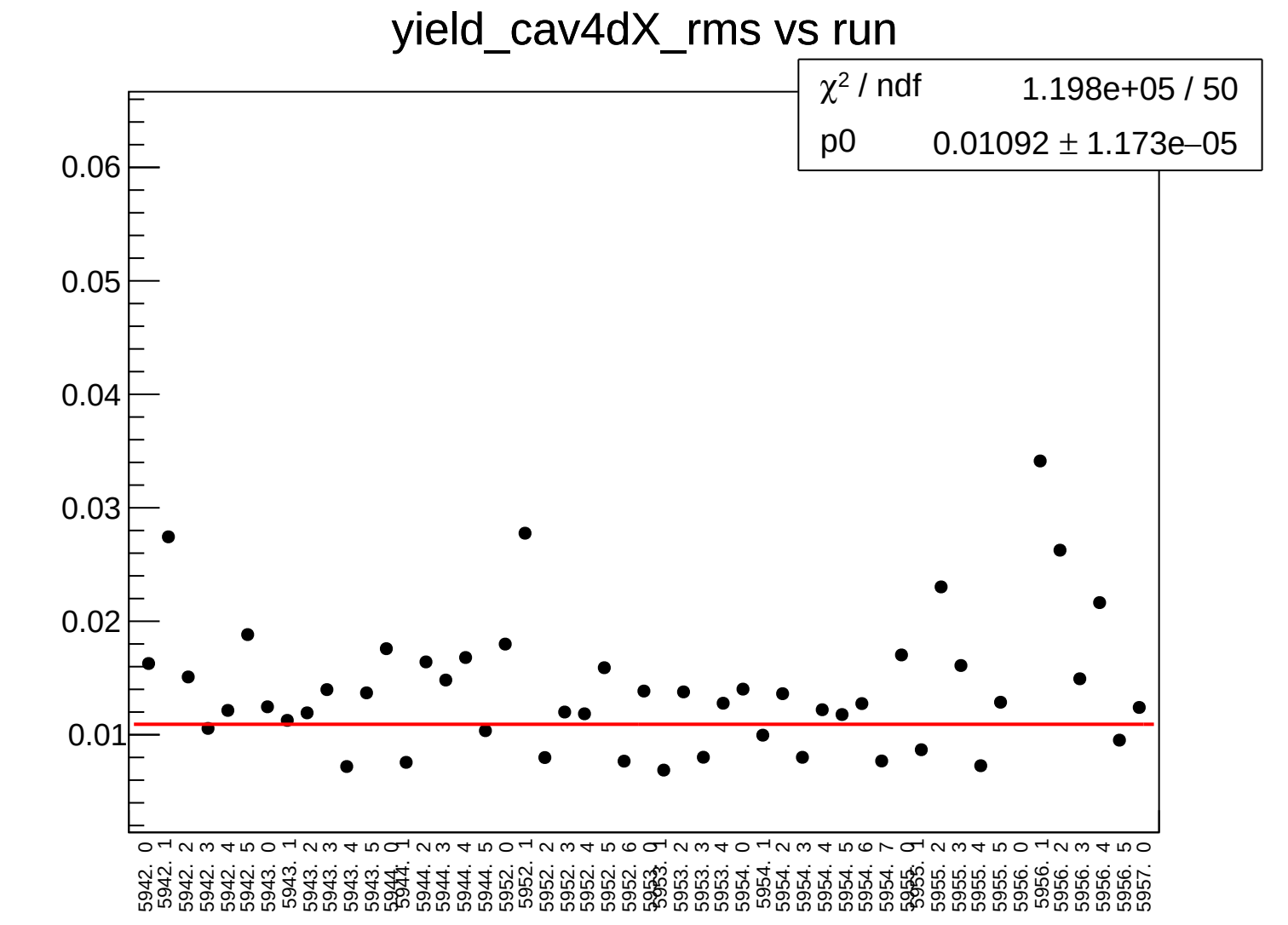

yield_cav4cY_mean vs run
χ² / ndf 1.091e+05 / 50
p0 −0.1229 ± 2.381e−06
−0.121
−0.1215
−0.122
−0.1225
−0.123
−0.1235
−0.124
−0.1245
pull
Entries 51
Mean −37.63
Std Dev 73.13
100
50
0
−50
−100

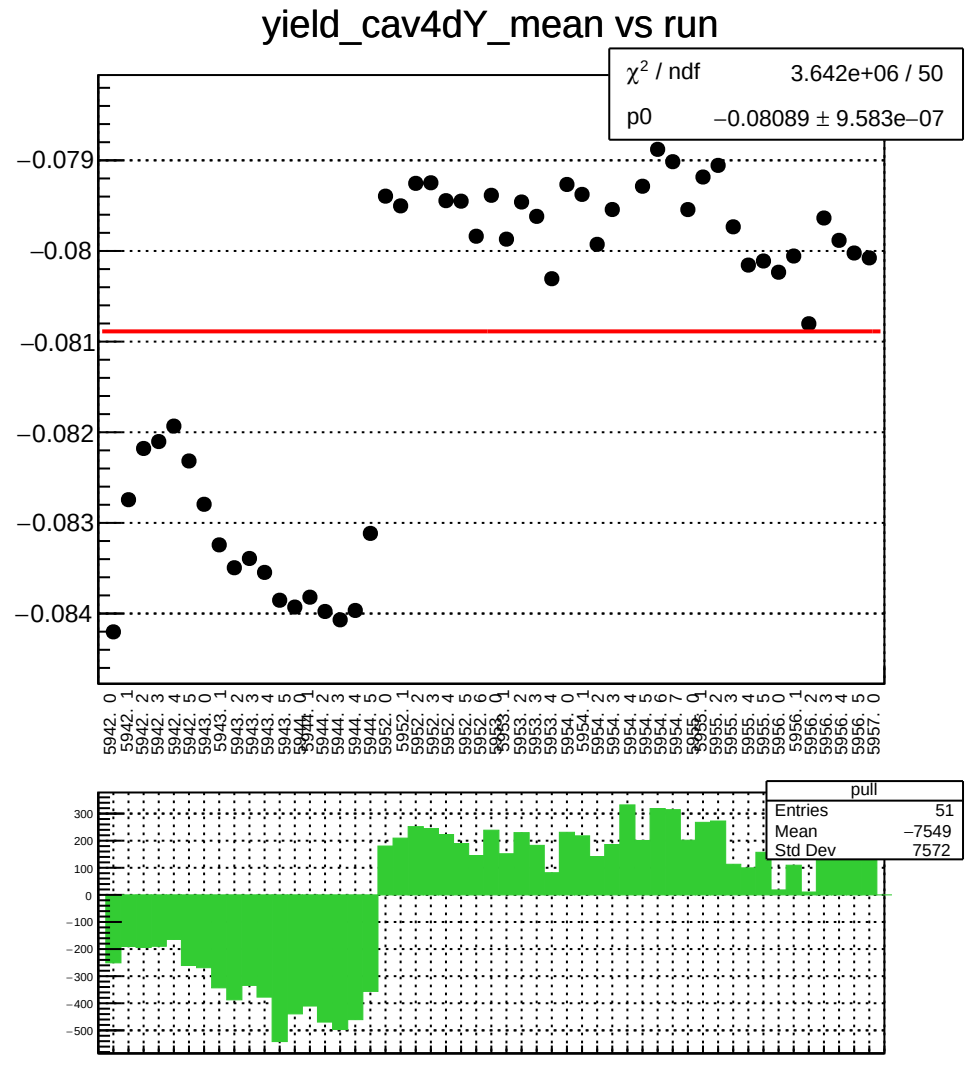

pull1D
Entries 51
Mean −2.369
Std Dev 4.843
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

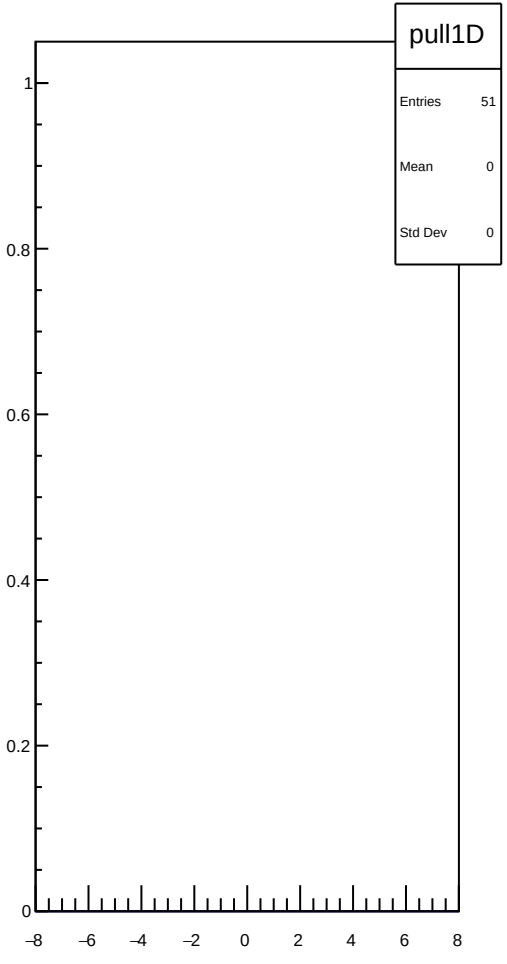

yield_cav4cY_rms vs run
χ² / ndf 3.321e+04 / 50
p0 0.001644 ± 1.683e−06
0.0055
0.005
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 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

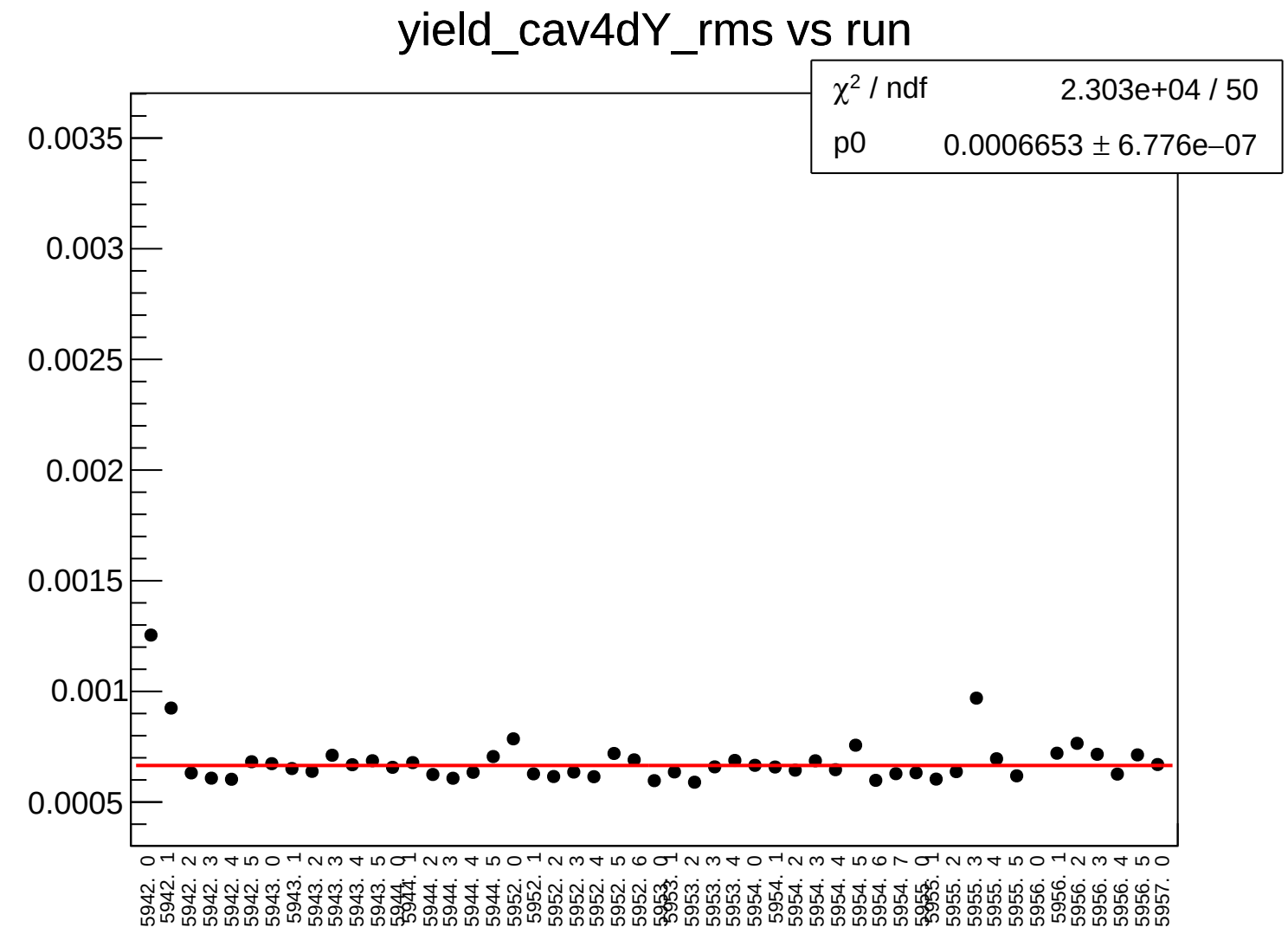

yield_cav4dX_mean vs run
χ² / ndf 1.278e+05 / 50
p0 0.06229 ± 1.659e−05
pull
Entries 51
Mean 321.1
Std Dev 296.7

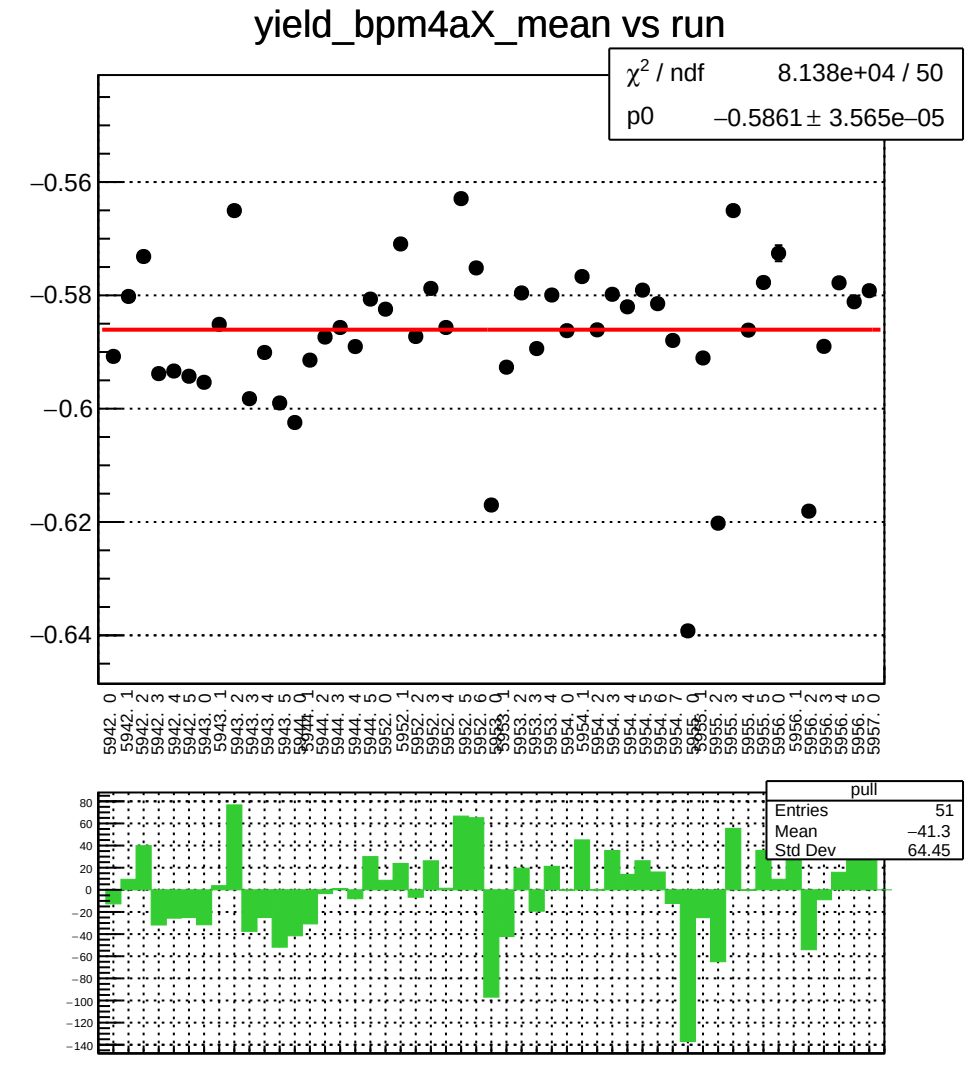

pull1D
Entries 51
Mean 3.257
Std Dev 4.333

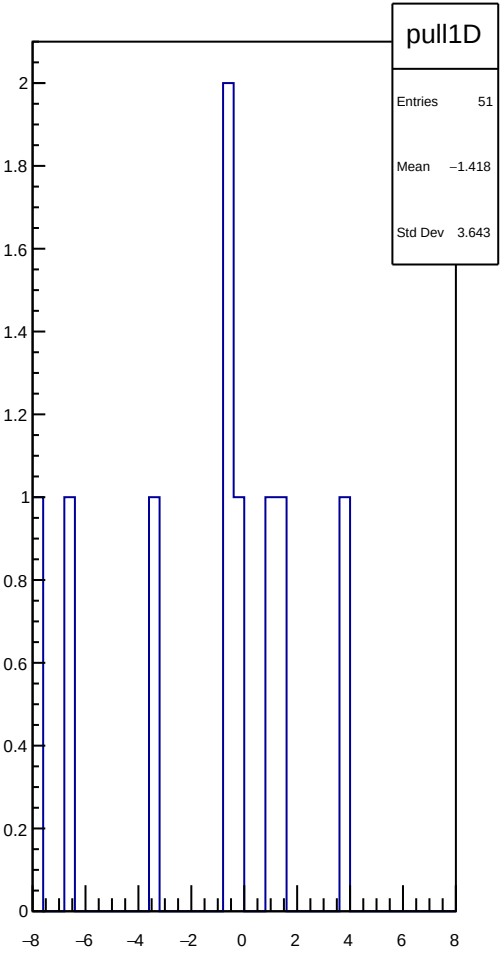

yield_cav4dX_rms vs run
χ² / ndf 1.198e+05 / 50
p0 0.01092 ± 1.173e−05
0.06
0.05
0.04
0.03
0.02
0.01
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
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

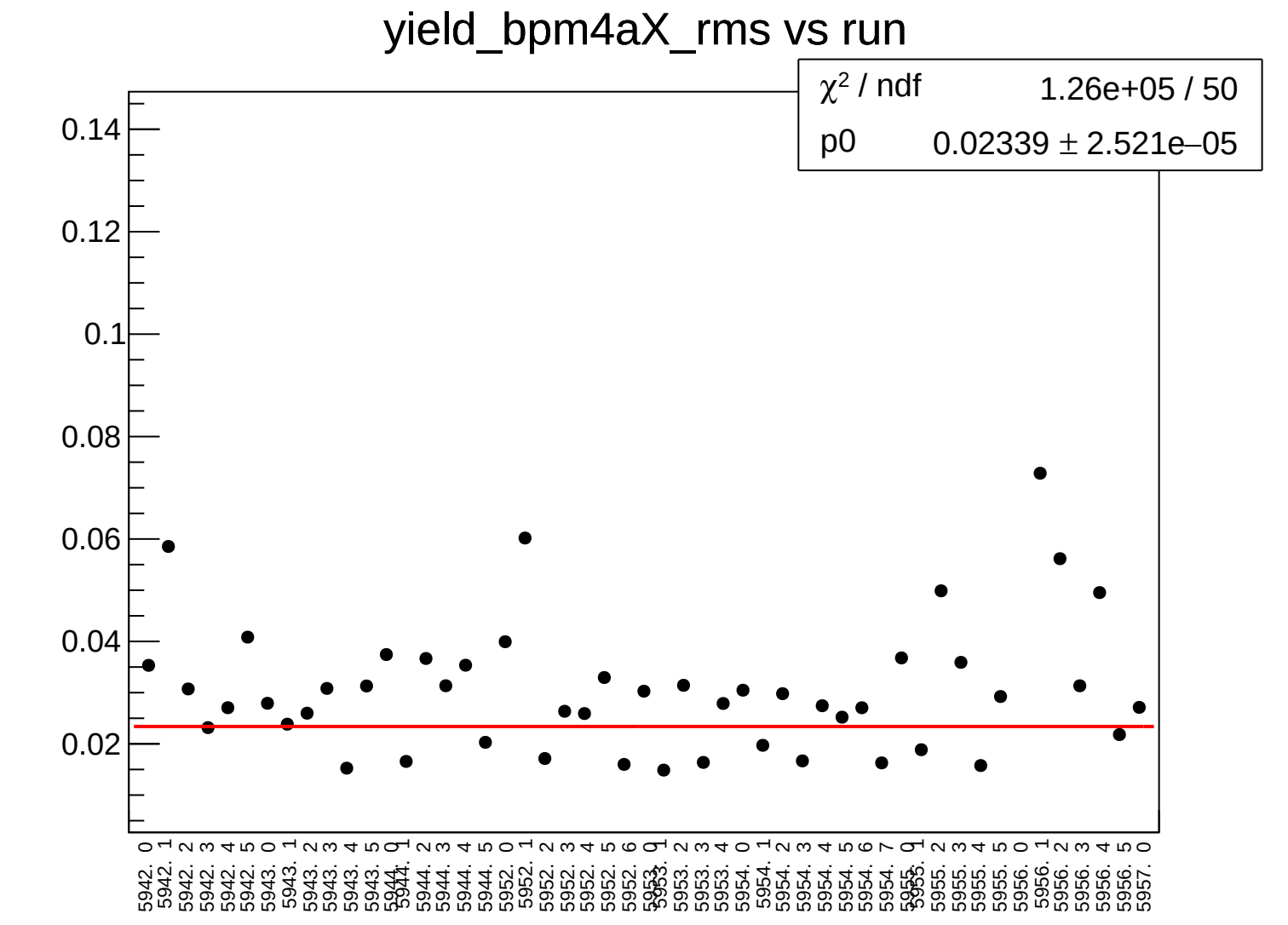

yield_cav4dY_mean vs run
χ² / ndf 3.642e+06 / 50
p0 −0.08089 ± 9.583e−07
−0.079
−0.08
−0.081
−0.082
−0.083
−0.084
pull
Entries 51
Mean −7549
Std Dev 7572
300
200
100
0
−100
−200
−300
−400
−500

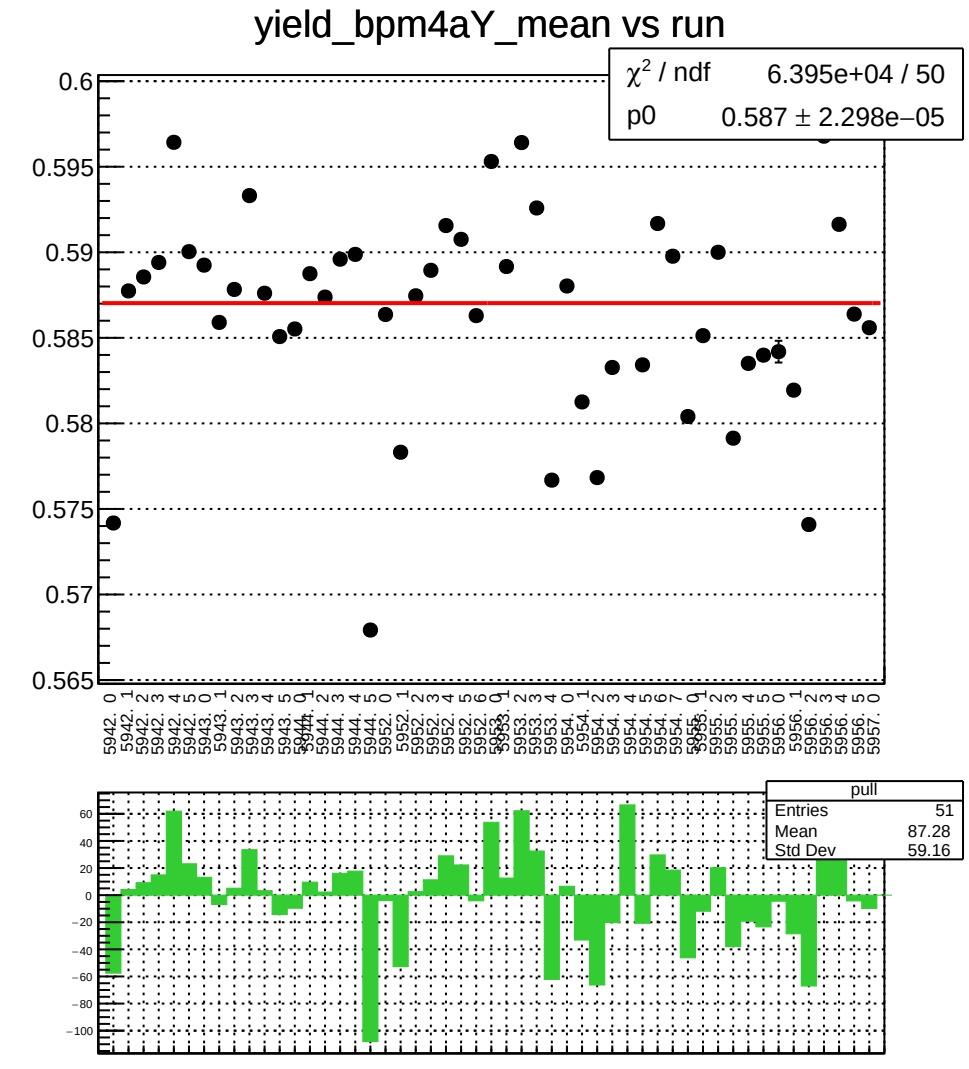

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

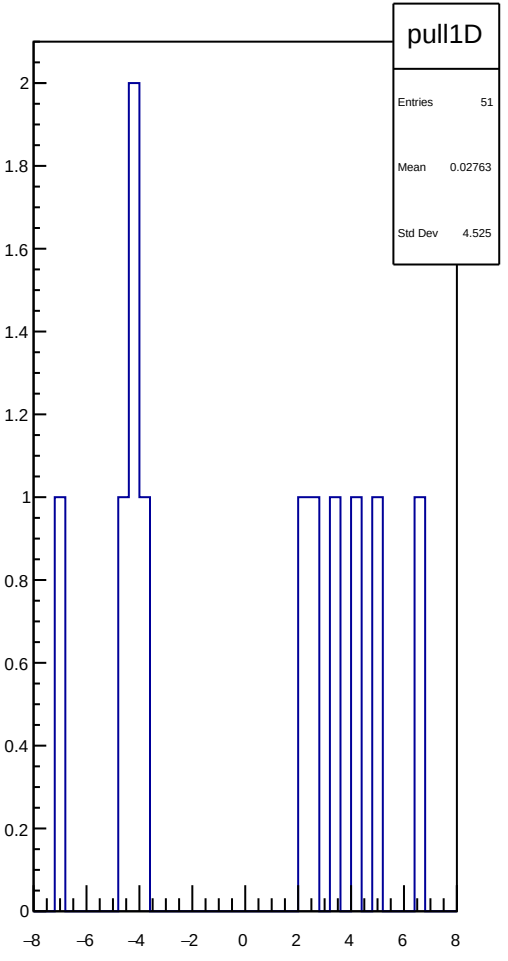

yield_cav4dY_rms vs run
χ² / ndf 2.303e+04 / 50
p0 0.0006653 ± 6.776e−07
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 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

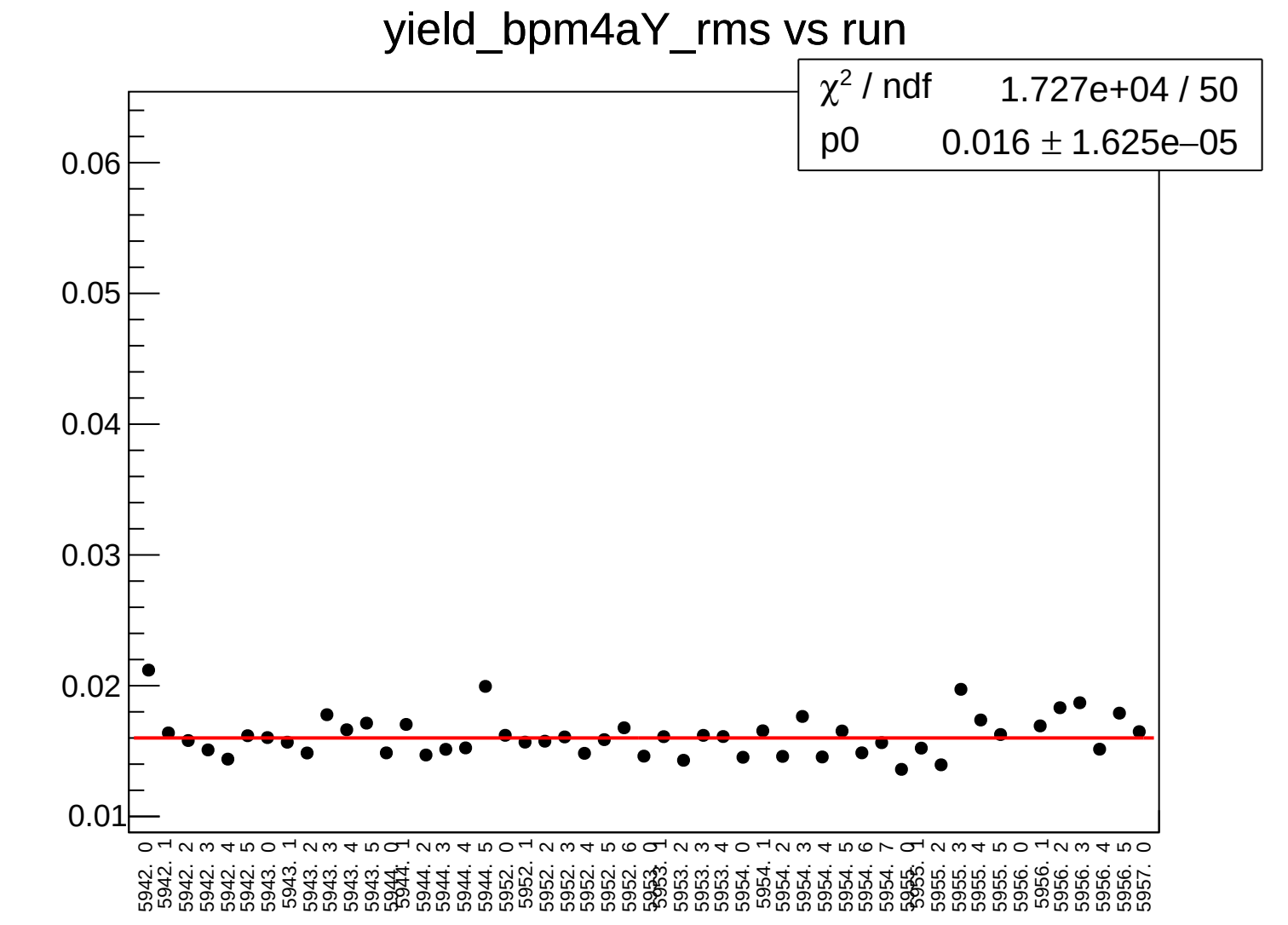

yield_bpm4aX_mean vs run
χ² / ndf 8.138e+04 / 50
p0 −0.5861 ± 3.565e−05
−0.56
−0.58
−0.6
−0.62
−0.64
pull
Entries 51
Mean −41.3
Std Dev 64.45

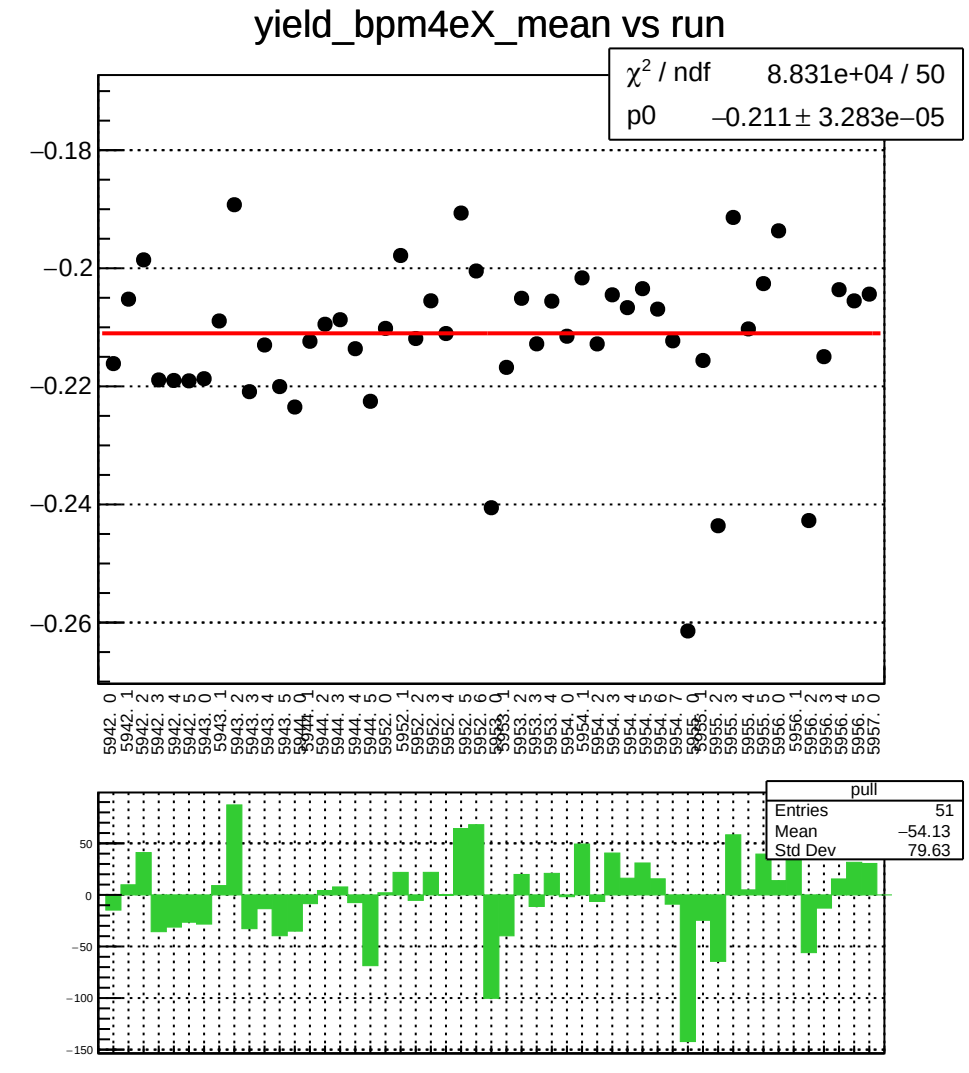

pull1D
Entries 51
Mean −1.418
Std Dev 3.643

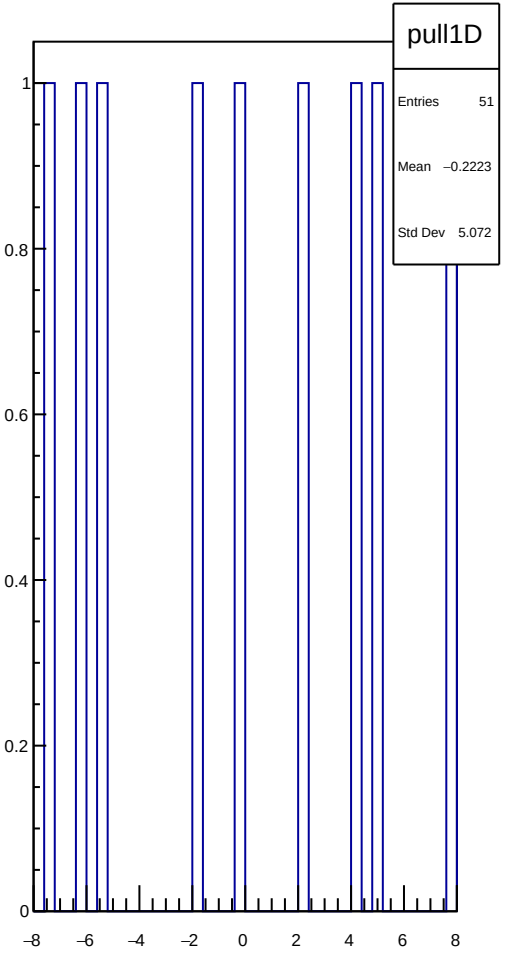

yield_bpm4aX_rms vs run
χ² / ndf 1.26e+05 / 50
p0 0.02339 ± 2.521e–05
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 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

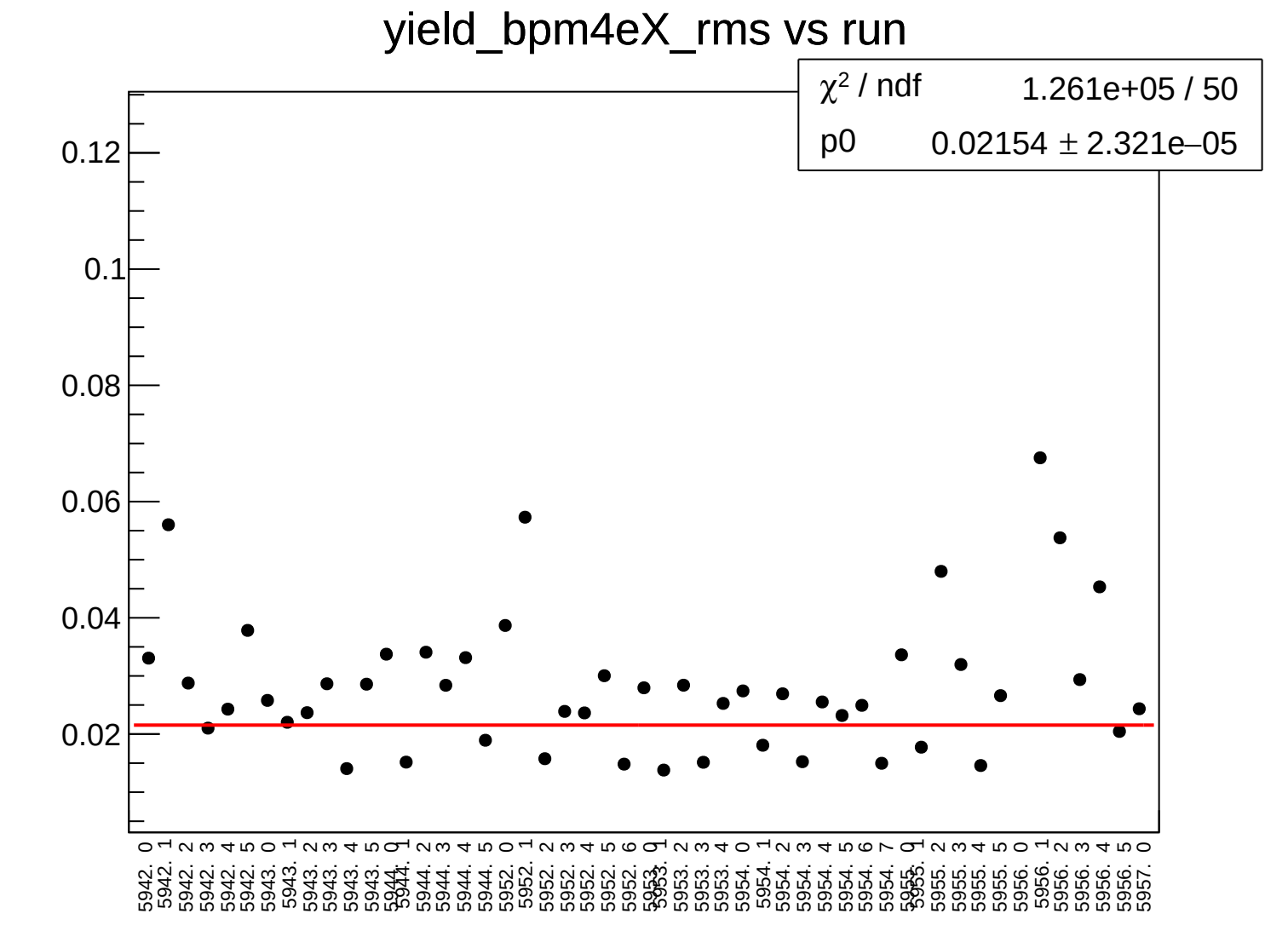

yield_bpm4aY_mean vs run
χ² / ndf 6.395e+04 / 50
p0 0.587 ± 2.298e−05
pull
Entries 51
Mean 87.28
Std Dev 59.16

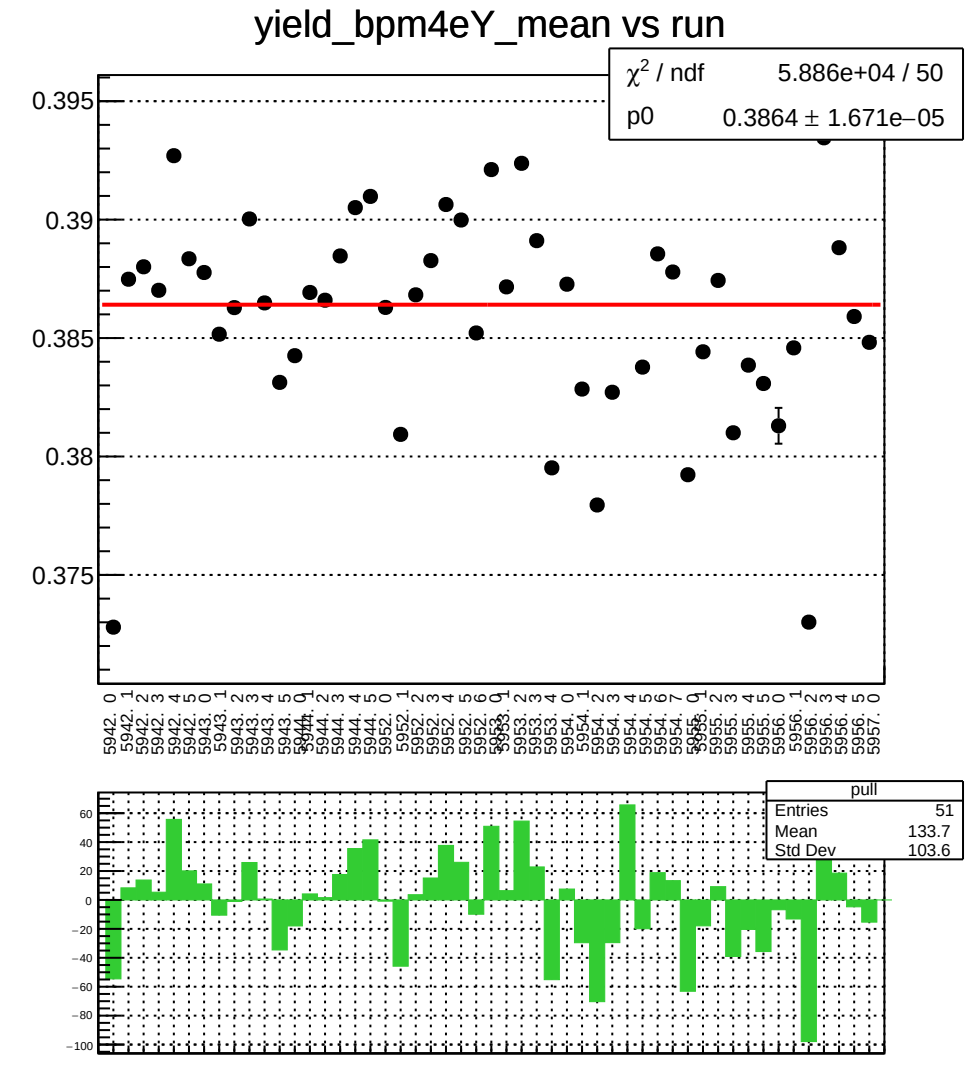

pull1D
Entries 51
Mean 0.02763
Std Dev 4.525

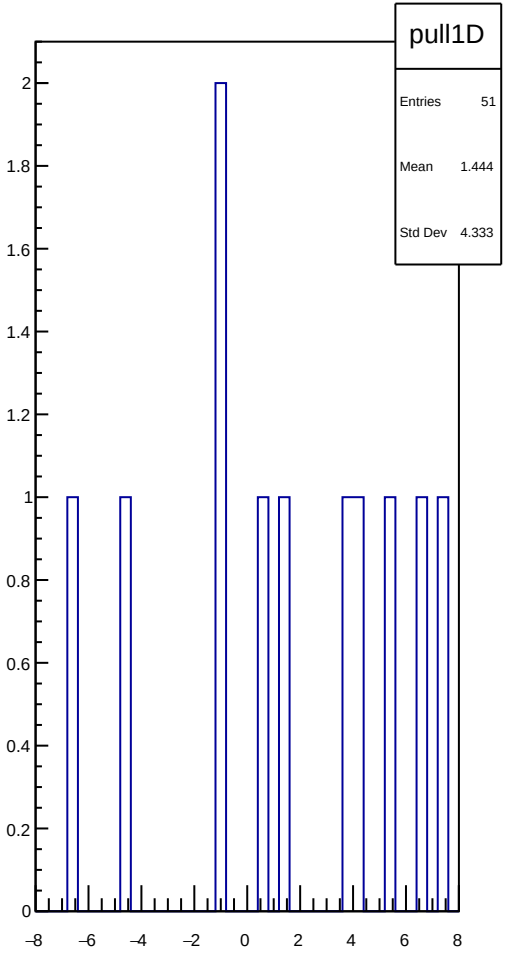

yield_bpm4aY_rms vs run
χ² / ndf 1.727e+04 / 50
p0 0.016 ± 1.625e–05
0.06
0.05
0.04
0.03
0.02
0.01
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 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

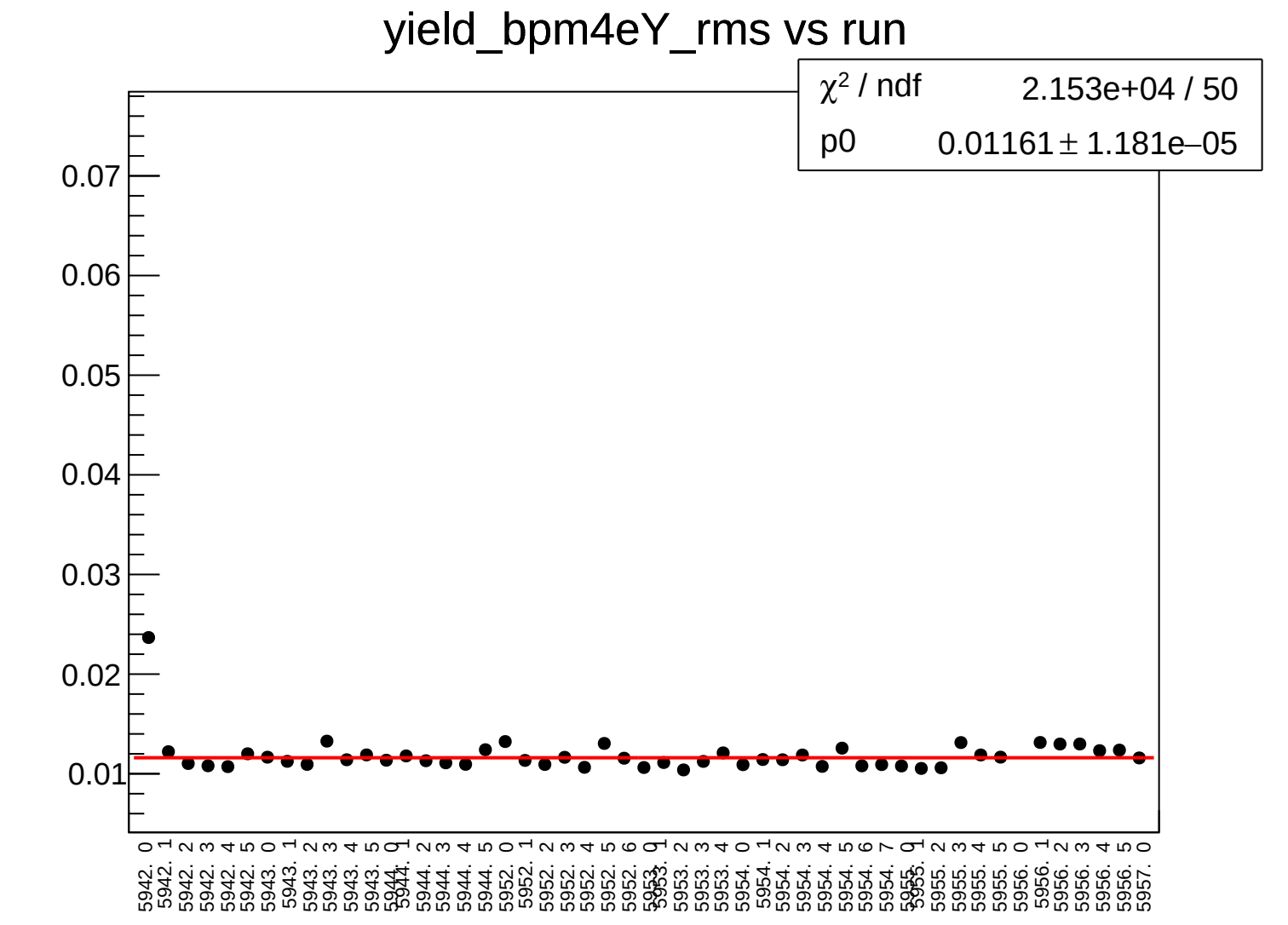

yield_bpm4eX_mean vs run
χ² / ndf 8.831e+04 / 50
p0 −0.211 ± 3.283e−05
−0.18
−0.2
−0.22
−0.24
−0.26
pull
Entries 51
Mean −54.13
Std Dev 79.63
50
0
−50
−100
−150

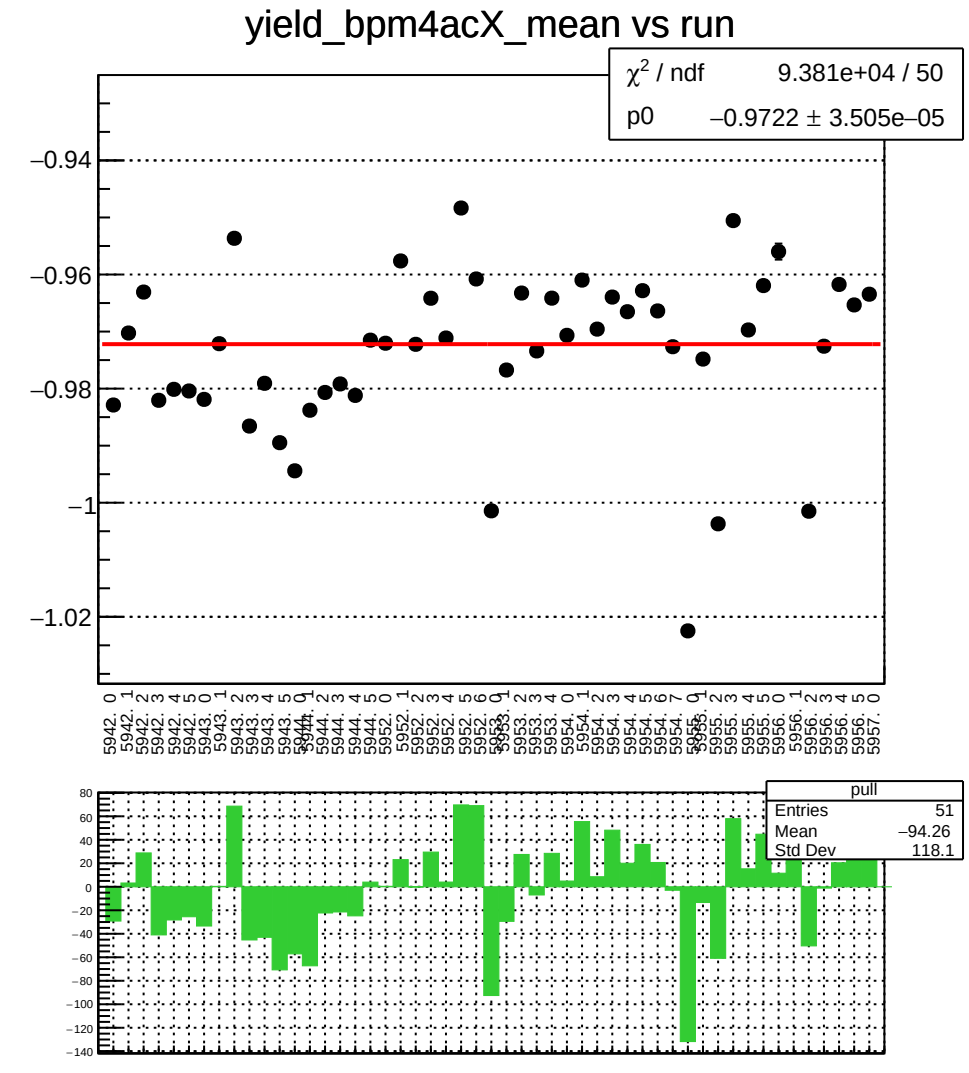

pull1D
Entries 51
Mean −0.2223
Std Dev 5.072
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

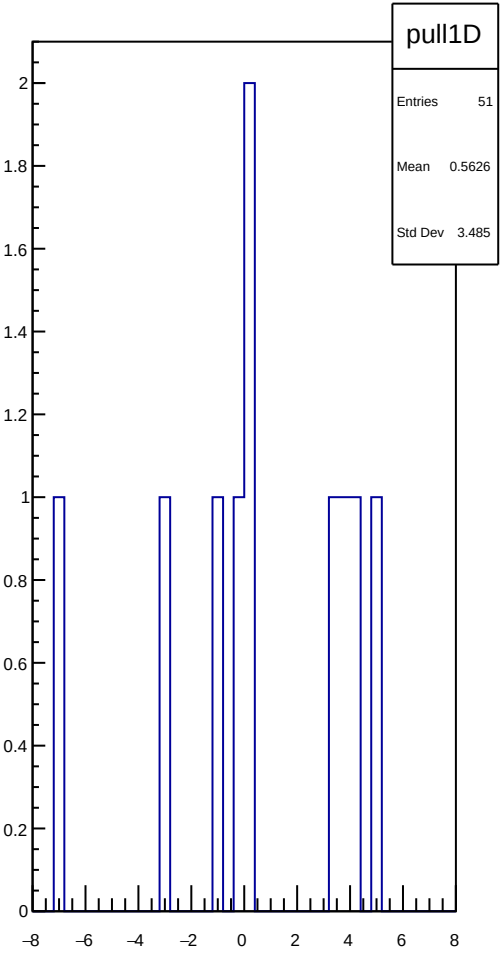

yield_bpm4eX_rms vs run
χ² / ndf 1.261e+05 / 50
p0 0.02154 ± 2.321e–05
0.12
0.1
0.08
0.06
0.04
0.02
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 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

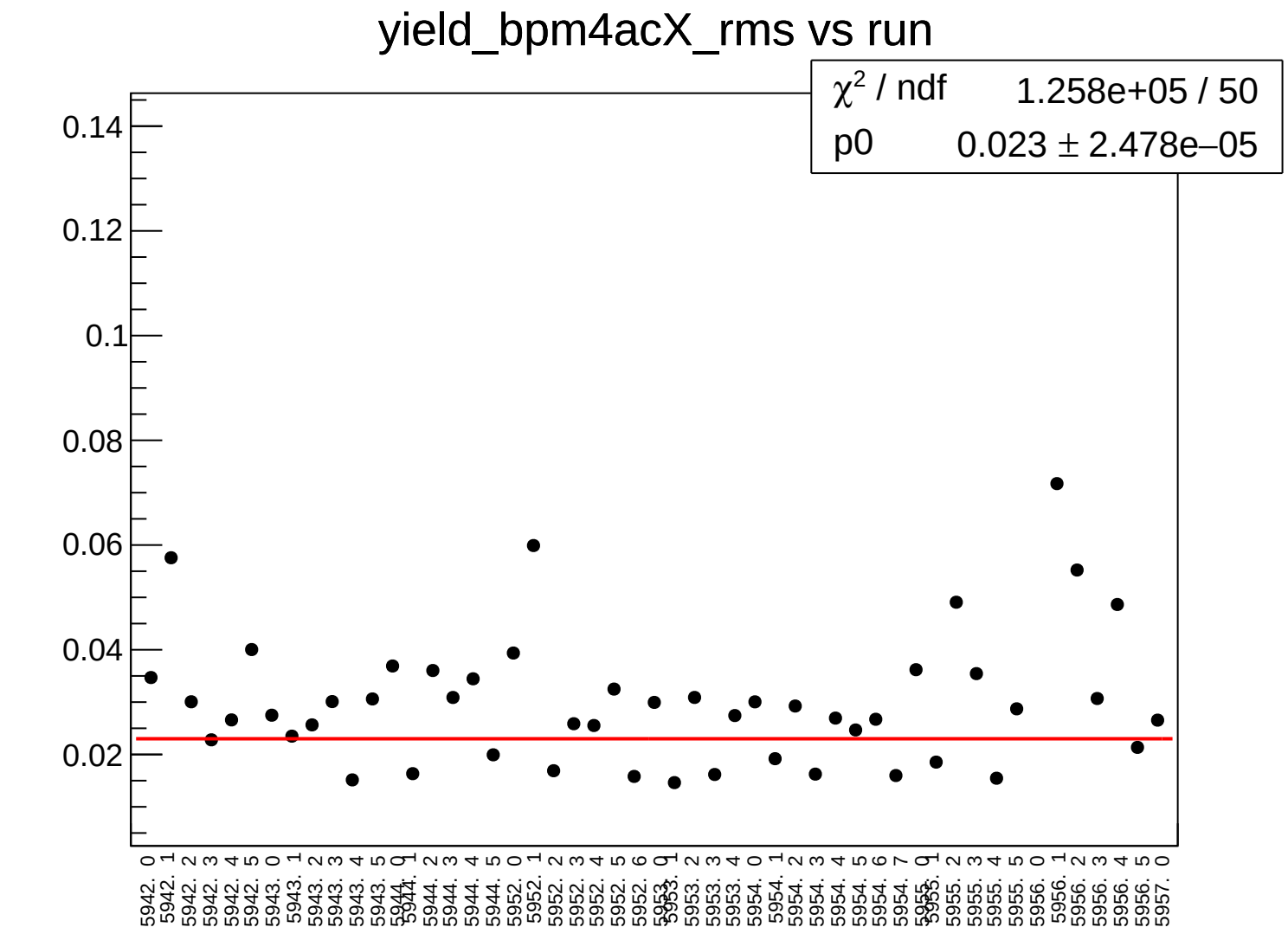

yield_bpm4eY_mean vs run
χ² / ndf 5.886e+04 / 50
p0 0.3864 ± 1.671e−05
0.395
0.39
0.385
0.38
0.375
pull
Entries 51
Mean 133.7
Std Dev 103.6
60
40
20
0
−20
−40
−60
−80
−100

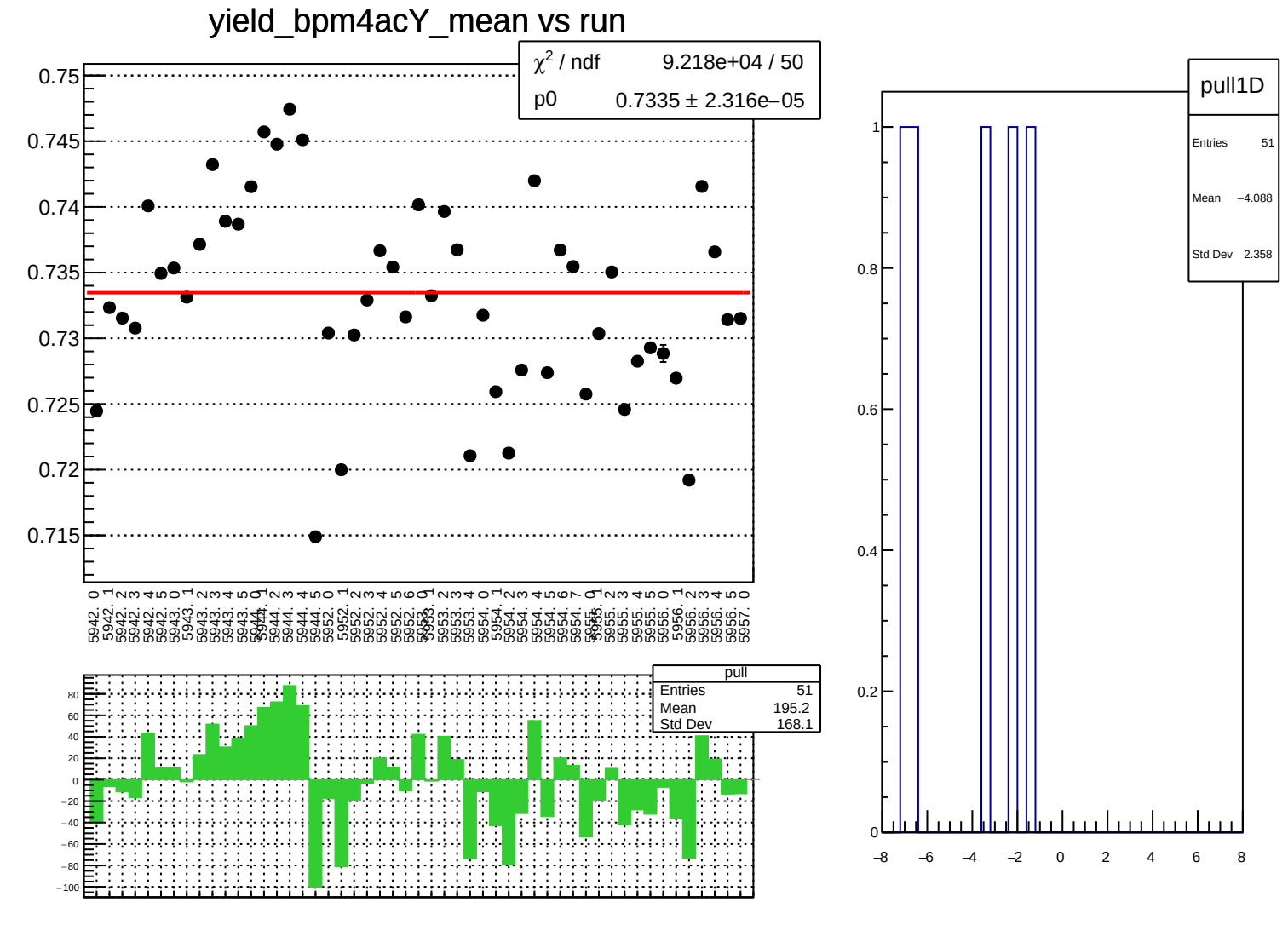

pull1D
Entries 51
Mean 1.444
Std Dev 4.333
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

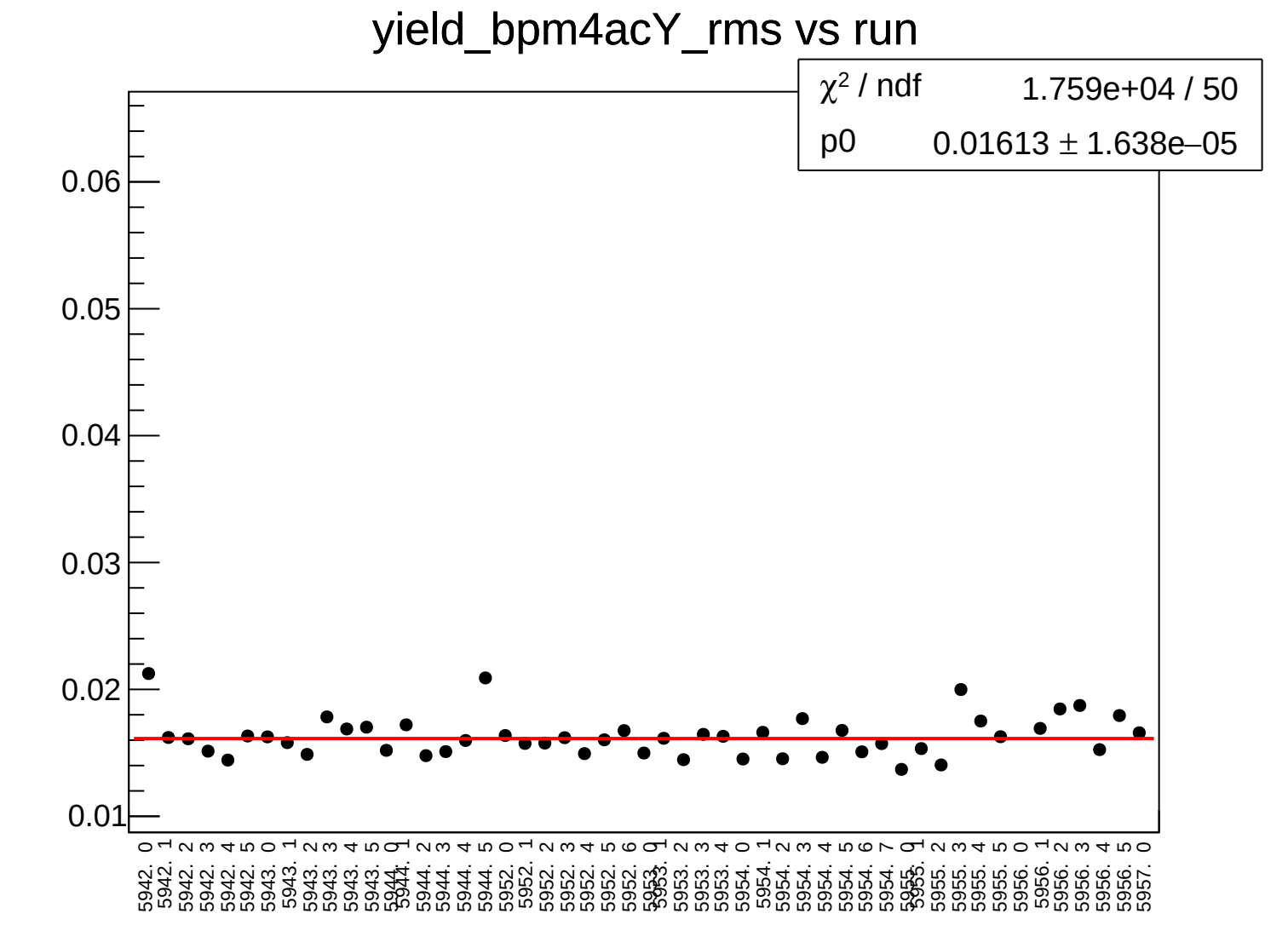

yield_bpm4eY_rms vs run
χ² / ndf 2.153e+04 / 50
p0 0.01161 ± 1.181e–05
0.07
0.06
0.05
0.04
0.03
0.02
0.01
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 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

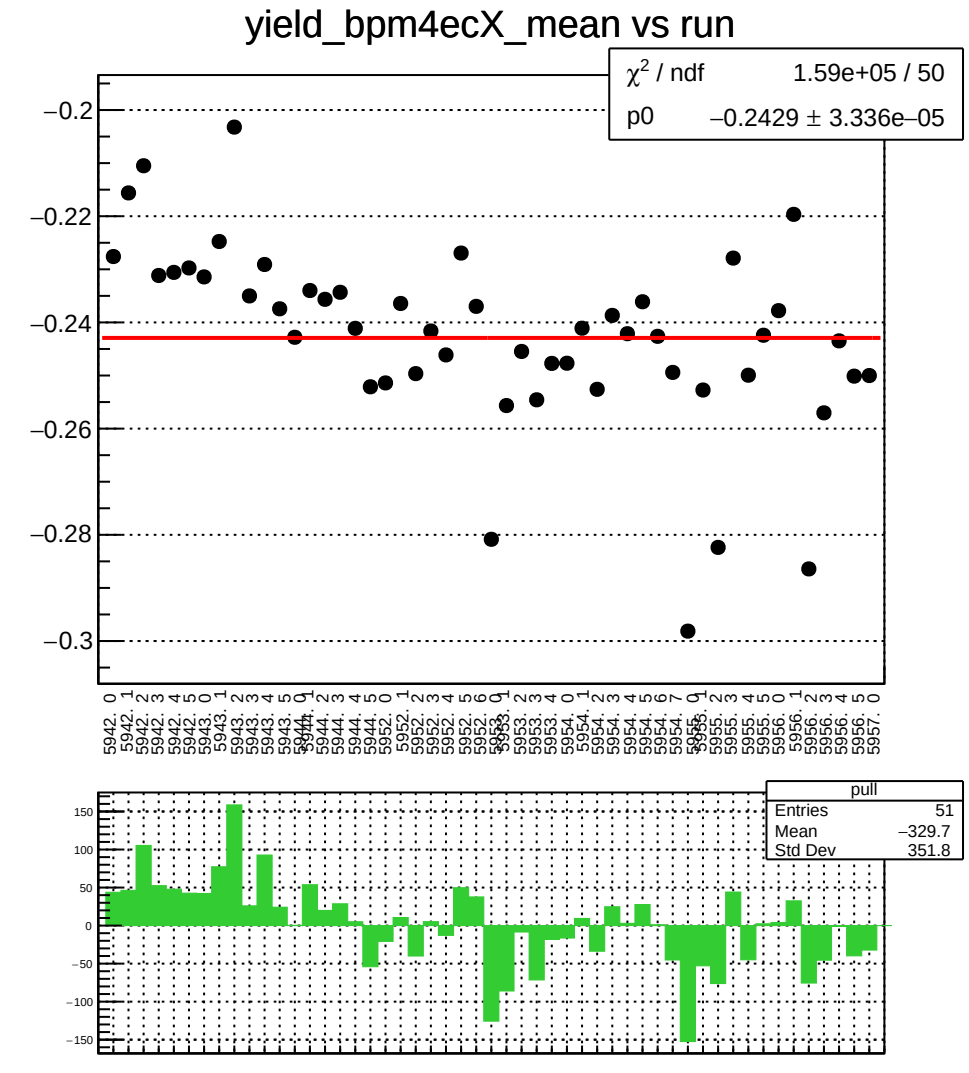

yield_bpm4acX_mean vs run
χ² / ndf 9.381e+04 / 50
p0 −0.9722 ± 3.505e−05
−0.94
−0.96
−0.98
−1
−1.02
pull
Entries 51
Mean −94.26
Std Dev 118.1
80
60
40
20
0
−20
−40
−60
−80
−100
−120
−140

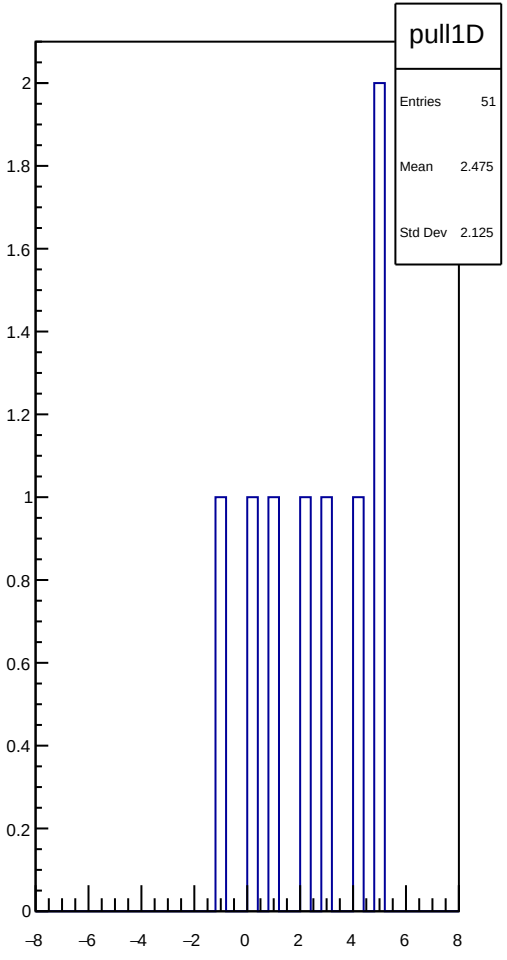

pull1D
Entries 51
Mean 0.5626
Std Dev 3.485
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

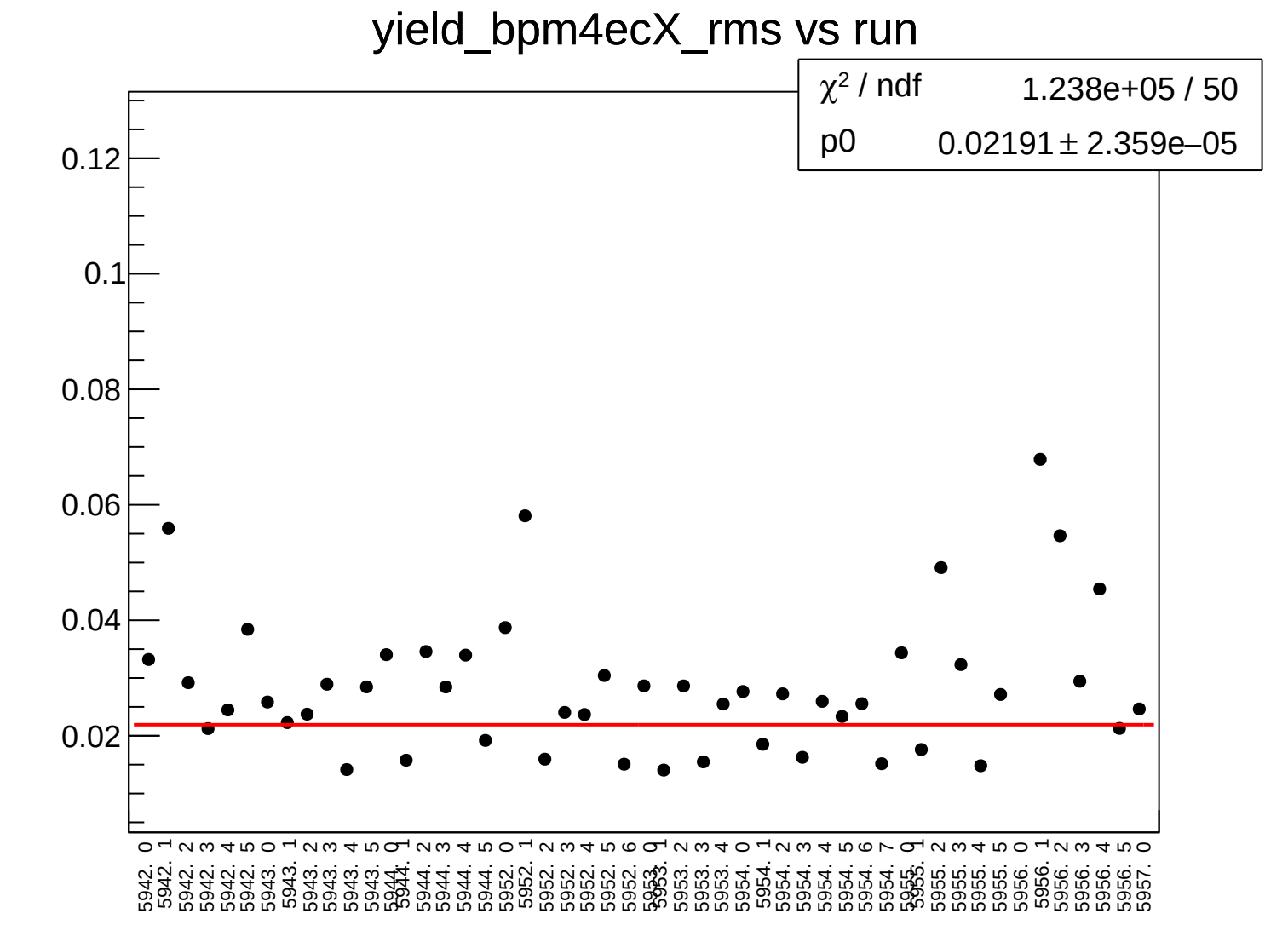

yield_bpm4acX_rms vs run
χ² / ndf 1.258e+05 / 50
p0 0.023 ± 2.478e–05
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 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

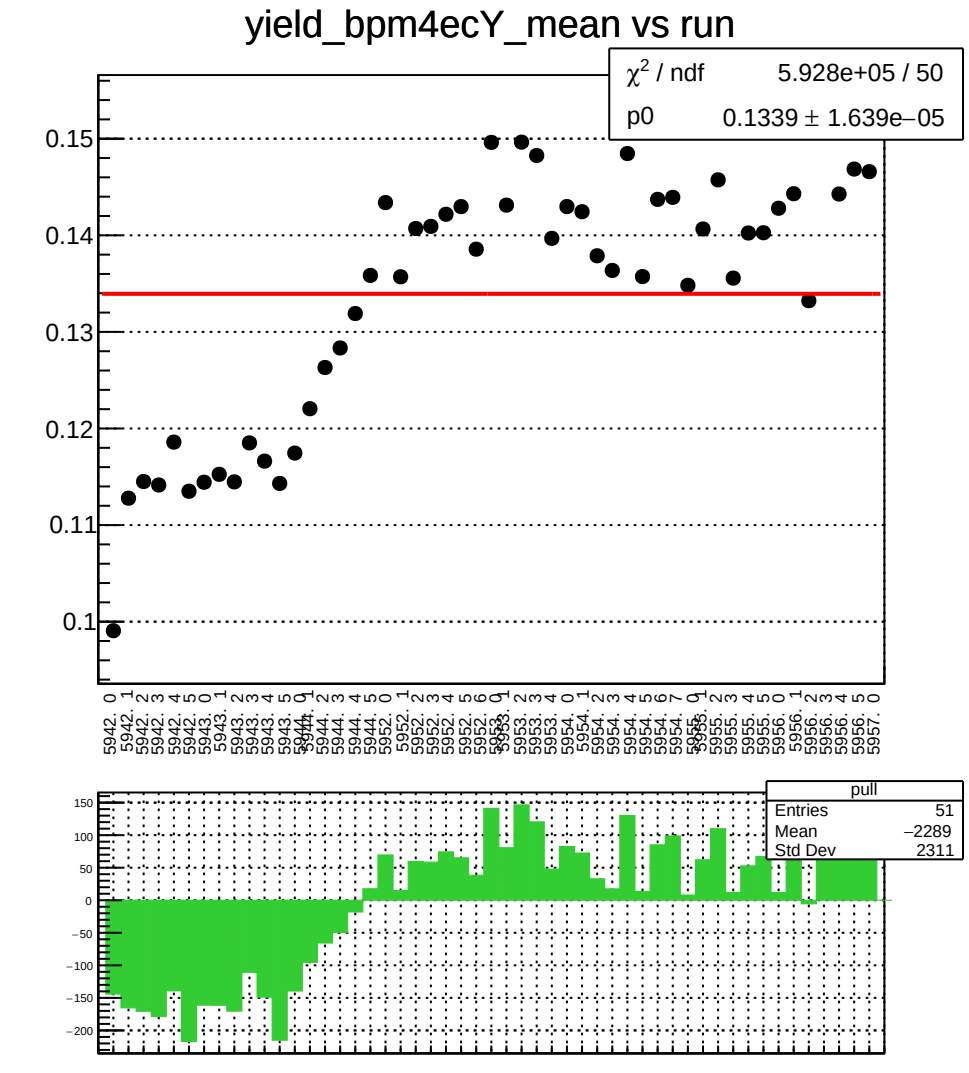

yield_bpm4acY_mean vs run
χ² / ndf 9.218e+04 / 50
p0 0.7335 ± 2.316e−05
pull
Entries 51
Mean 195.2
Std Dev 168.1
pull1D
Entries 51
Mean −4.088
Std Dev 2.358

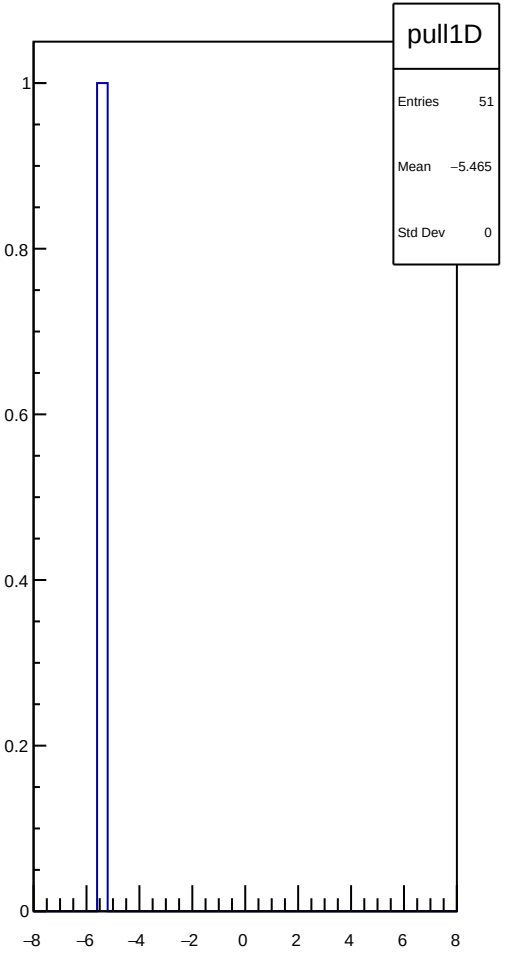

yield_bpm4acY_rms vs run
χ² / ndf 1.759e+04 / 50
p0 0.01613 ± 1.638e–05
0.06
0.05
0.04
0.03
0.02
0.01
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
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

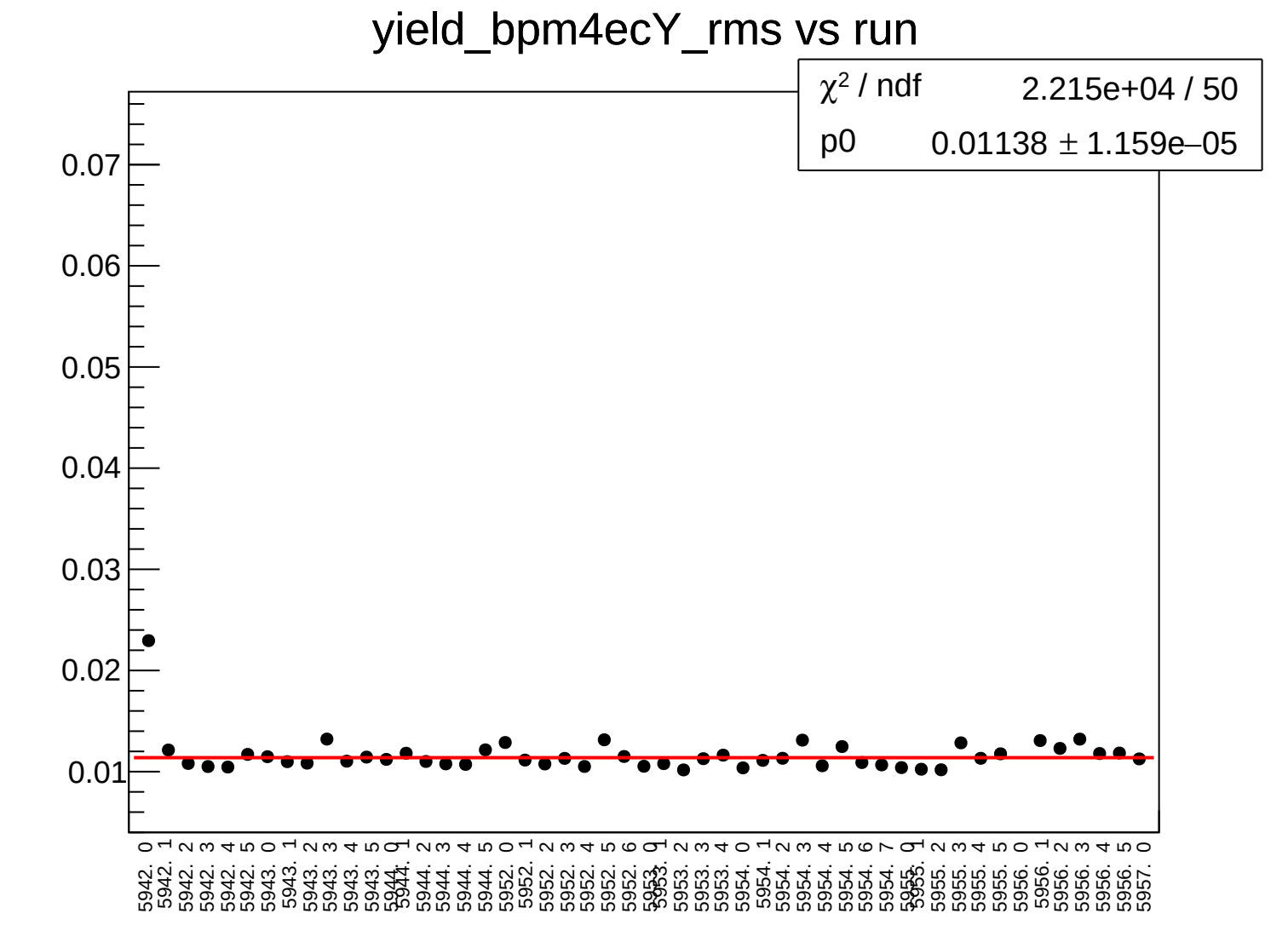

yield_bpm4ecX_mean vs run
χ² / ndf 1.59e+05 / 50
p0 −0.2429 ± 3.336e−05
−0.2
−0.22
−0.24
−0.26
−0.28
−0.3
pull
Entries 51
Mean −329.7
Std Dev 351.8
150
100
50
0
−50
−100
−150

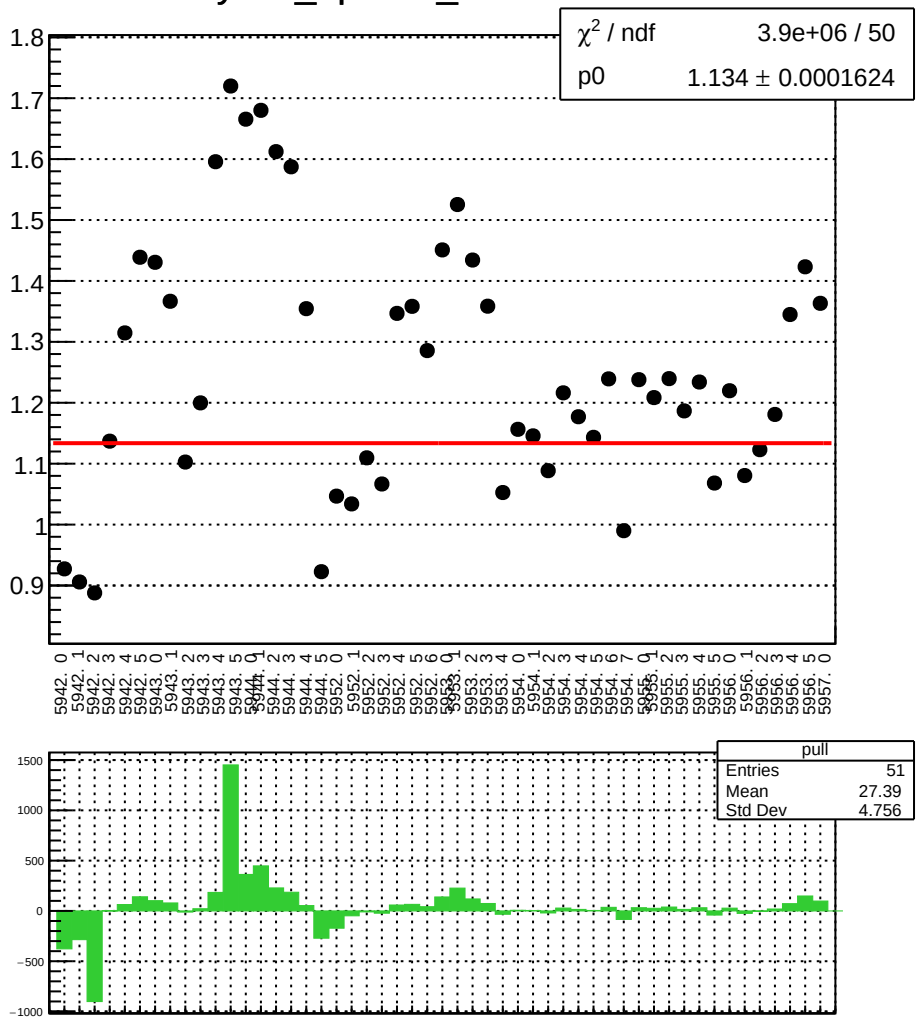

pull1D
Entries 51
Mean 2.475
Std Dev 2.125
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

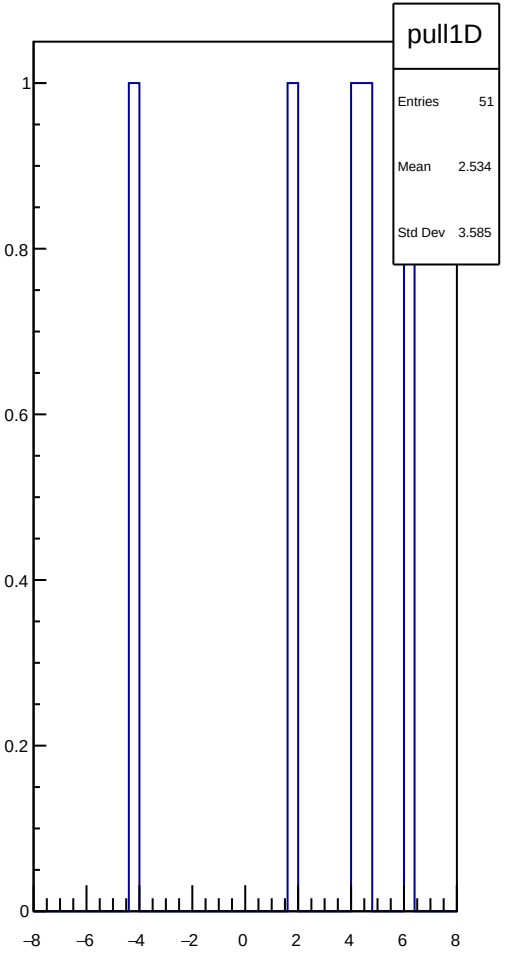

yield_bpm4ecX_rms vs run
χ² / ndf 1.238e+05 / 50
p0 0.02191 ± 2.359e–05
0.12
0.1
0.08
0.06
0.04
0.02
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
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

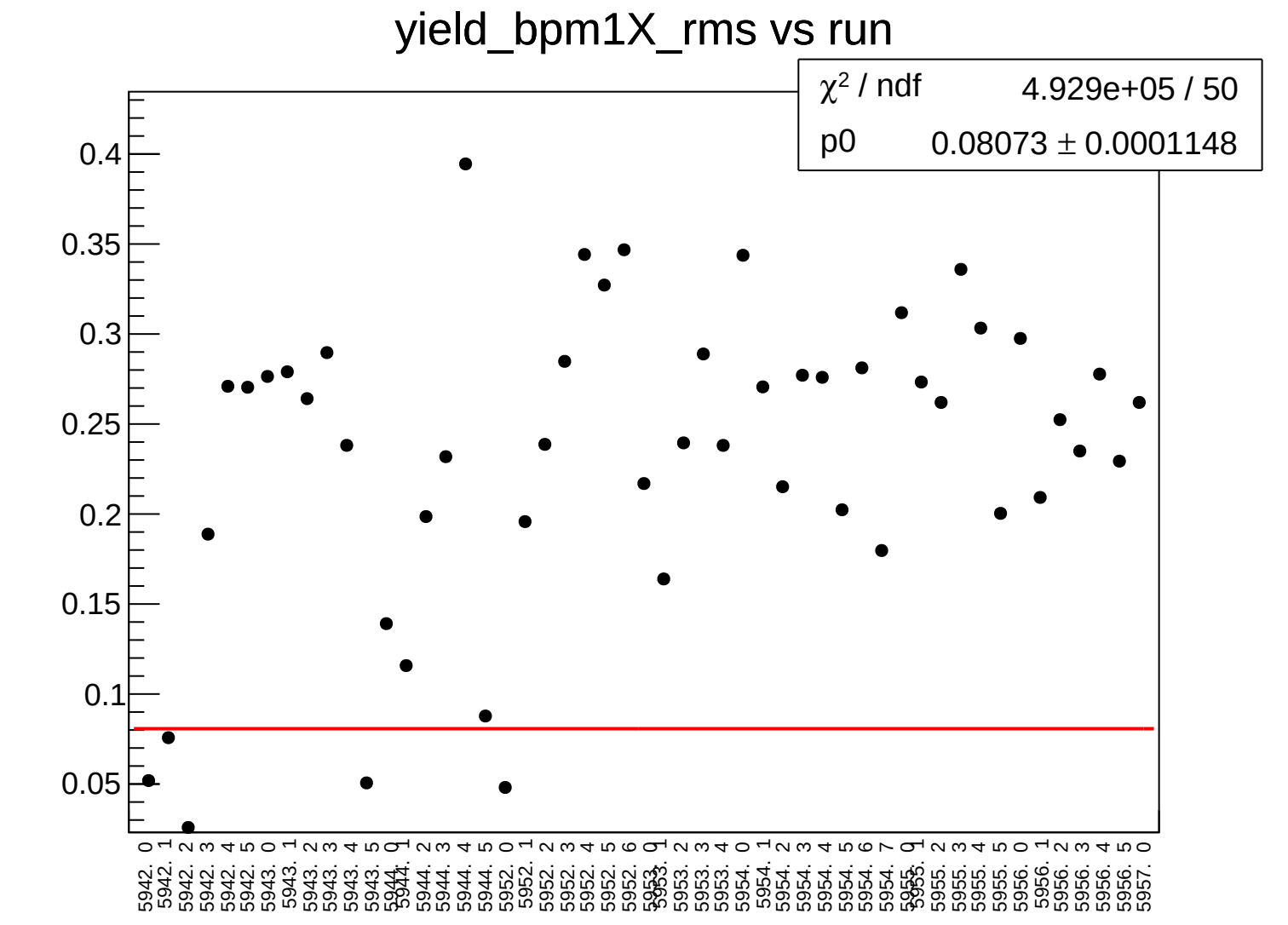

yield_bpm4ecY_mean vs run
χ² / ndf 5.928e+05 / 50
p0 0.1339 ± 1.639e−05
0.15
0.14
0.13
0.12
0.11
0.1
pull
Entries 51
Mean −2289
Std Dev 2311
150
100
50
0
−50
−100
−150
−200

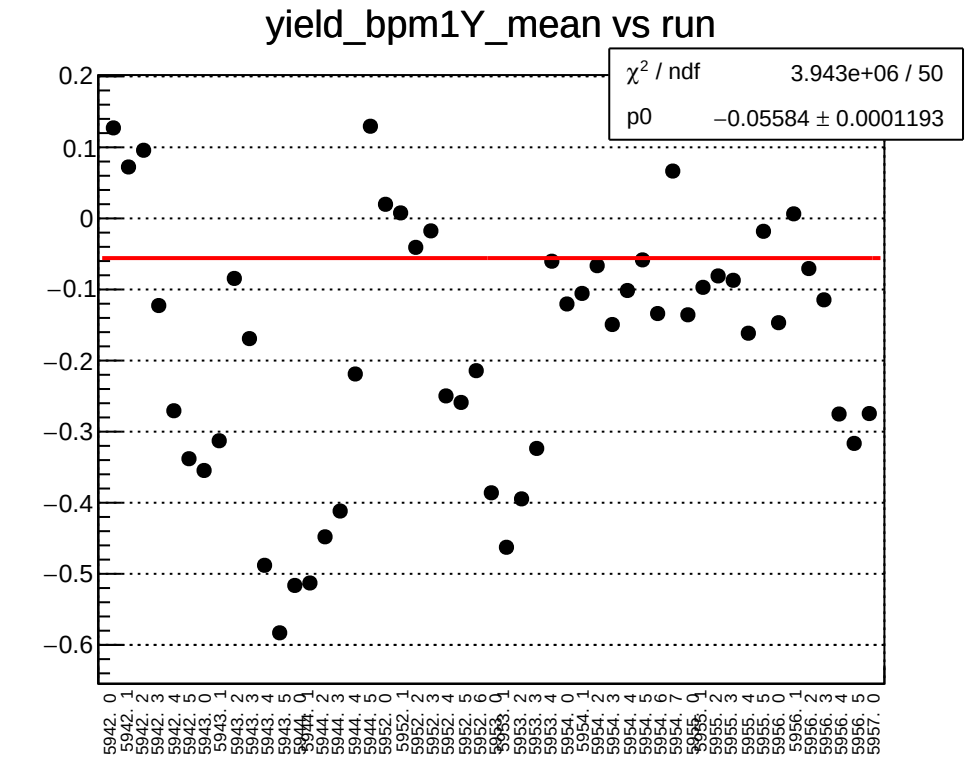

pull1D
Entries 51
Mean −5.465
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

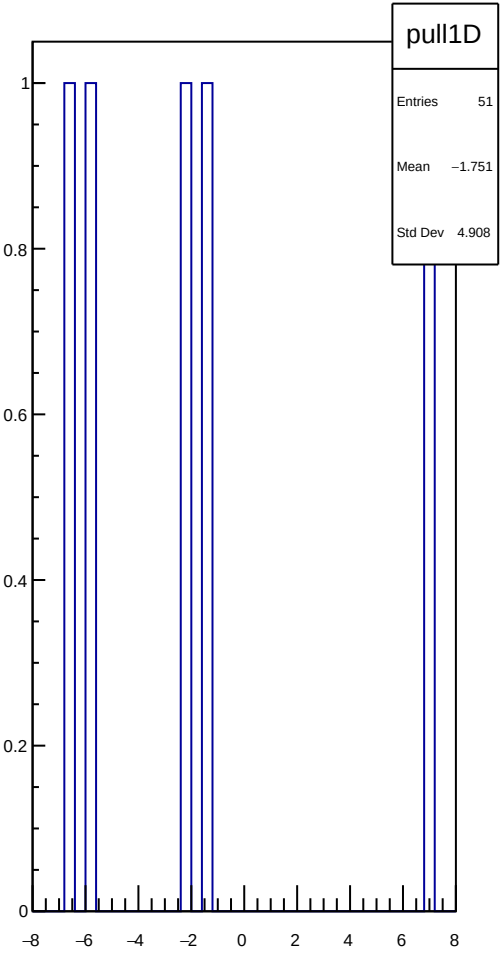

yield_bpm4ecY_rms vs run
χ² / ndf 2.215e+04 / 50
p0 0.01138 ± 1.159e–05
0.07
0.06
0.05
0.04
0.03
0.02
0.01
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 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

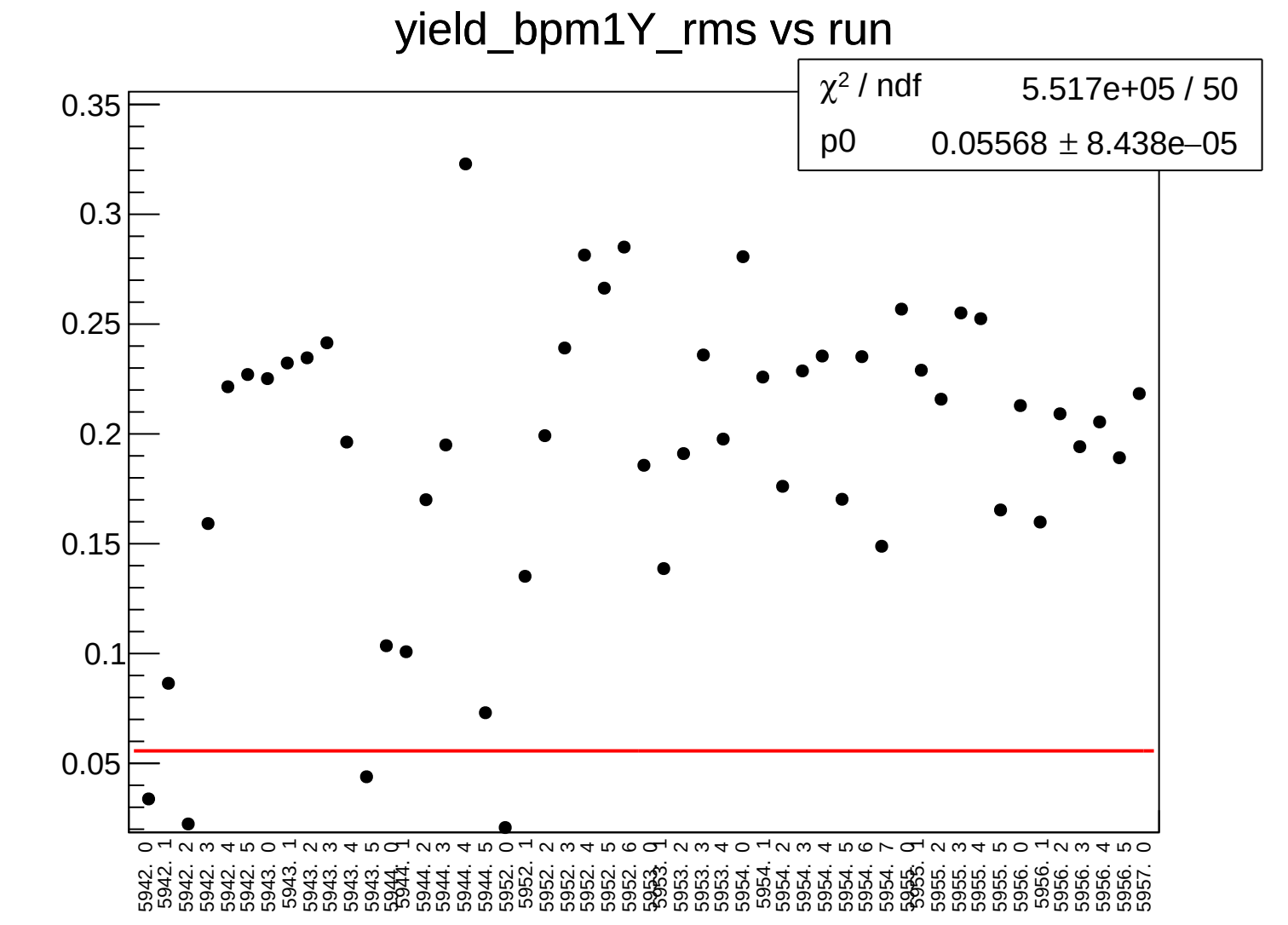

yield_bpm1X_mean vs run
χ² / ndf 3.9e+06 / 50
p0 1.134 ± 0.0001624
pull
Entries 51
Mean 27.39
Std Dev 4.756

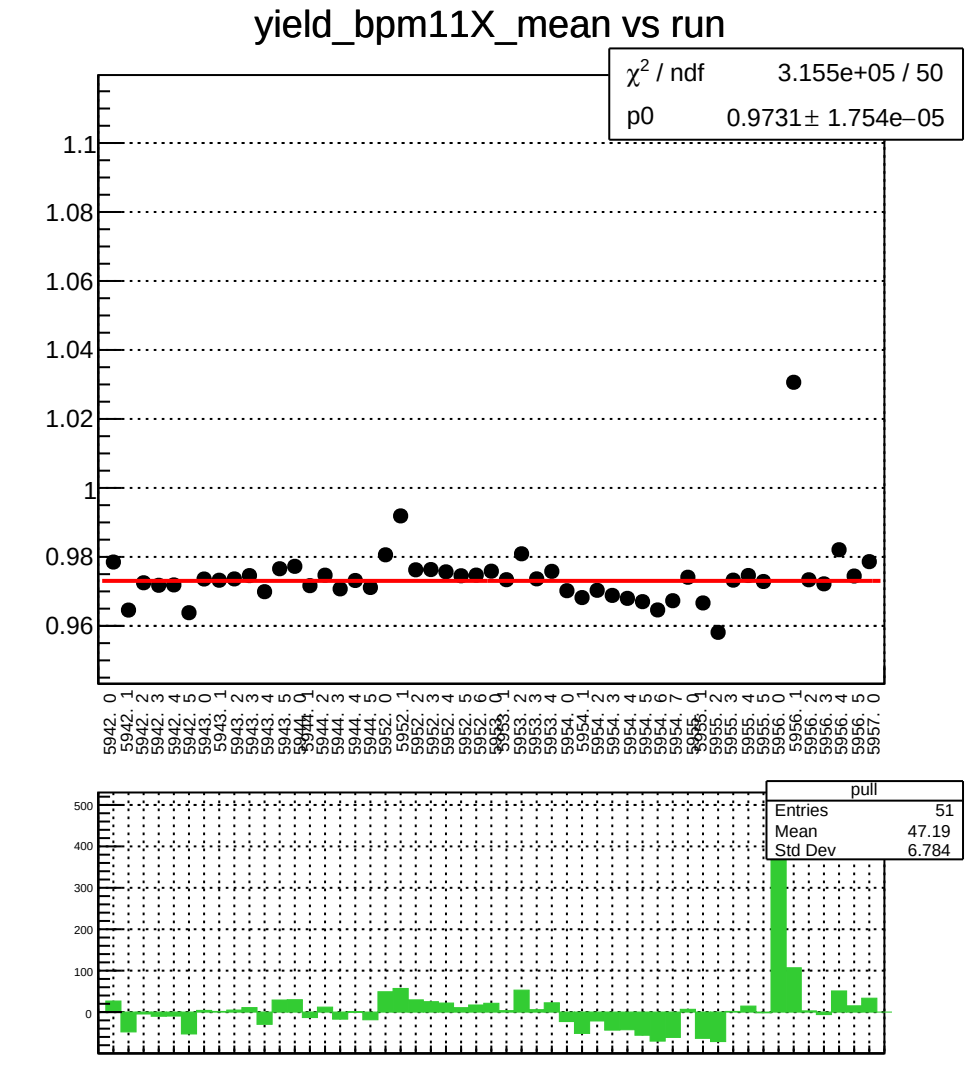

pull1D
Entries 51
Mean 2.534
Std Dev 3.585

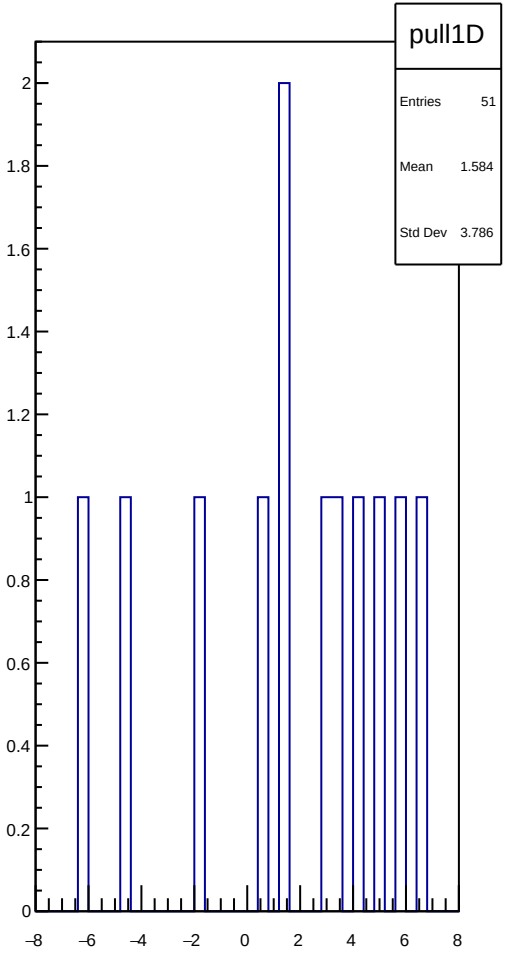

yield_bpm1X_rms vs run
χ² / ndf 4.929e+05 / 50
p0 0.08073 ± 0.0001148
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 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

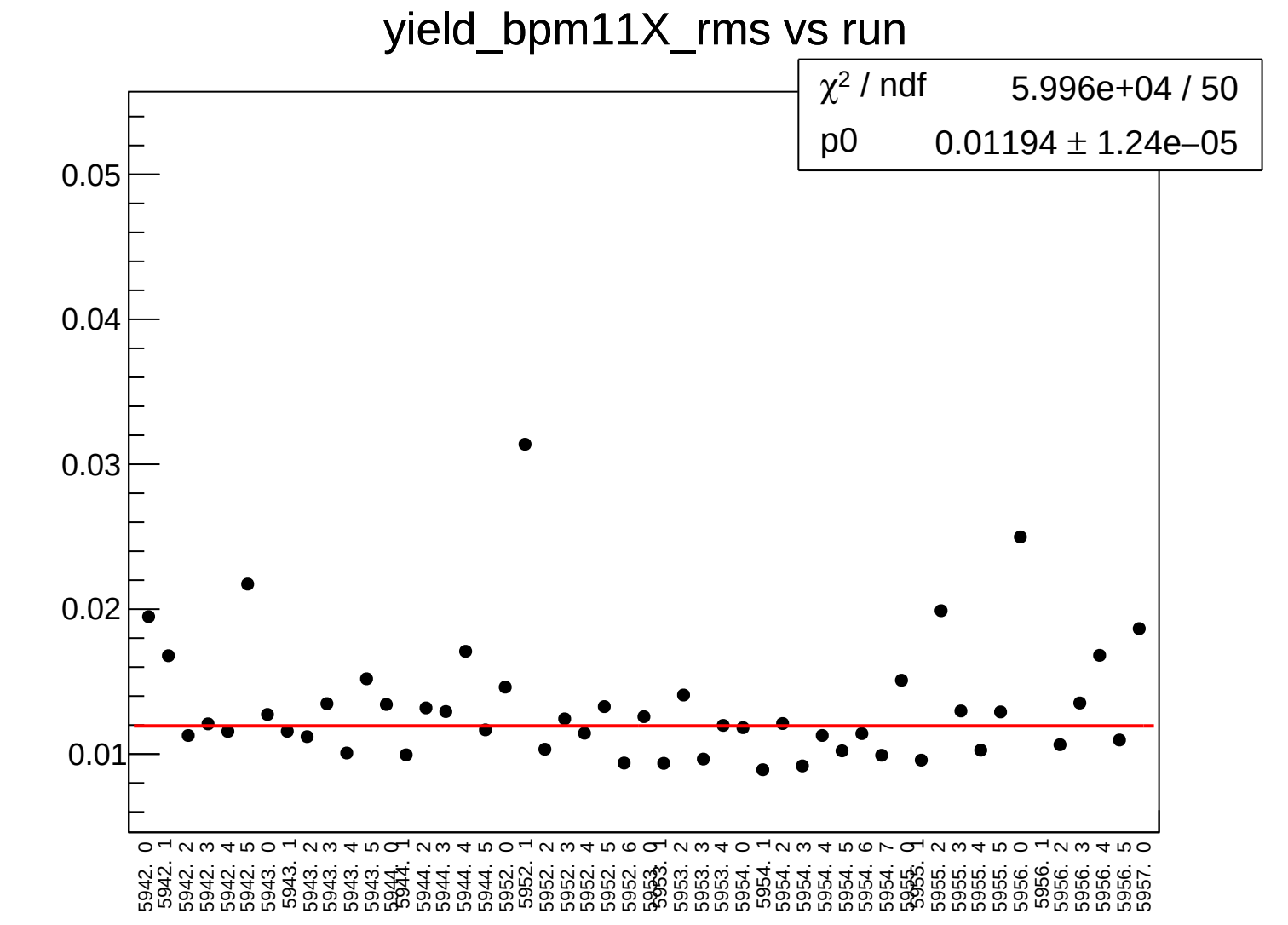

yield_bpm1Y_mean vs run
χ² / ndf 3.943e+06 / 50
p0 −0.05584 ± 0.0001193
pull
Entries 51
Mean 24.56
Std Dev 8.225

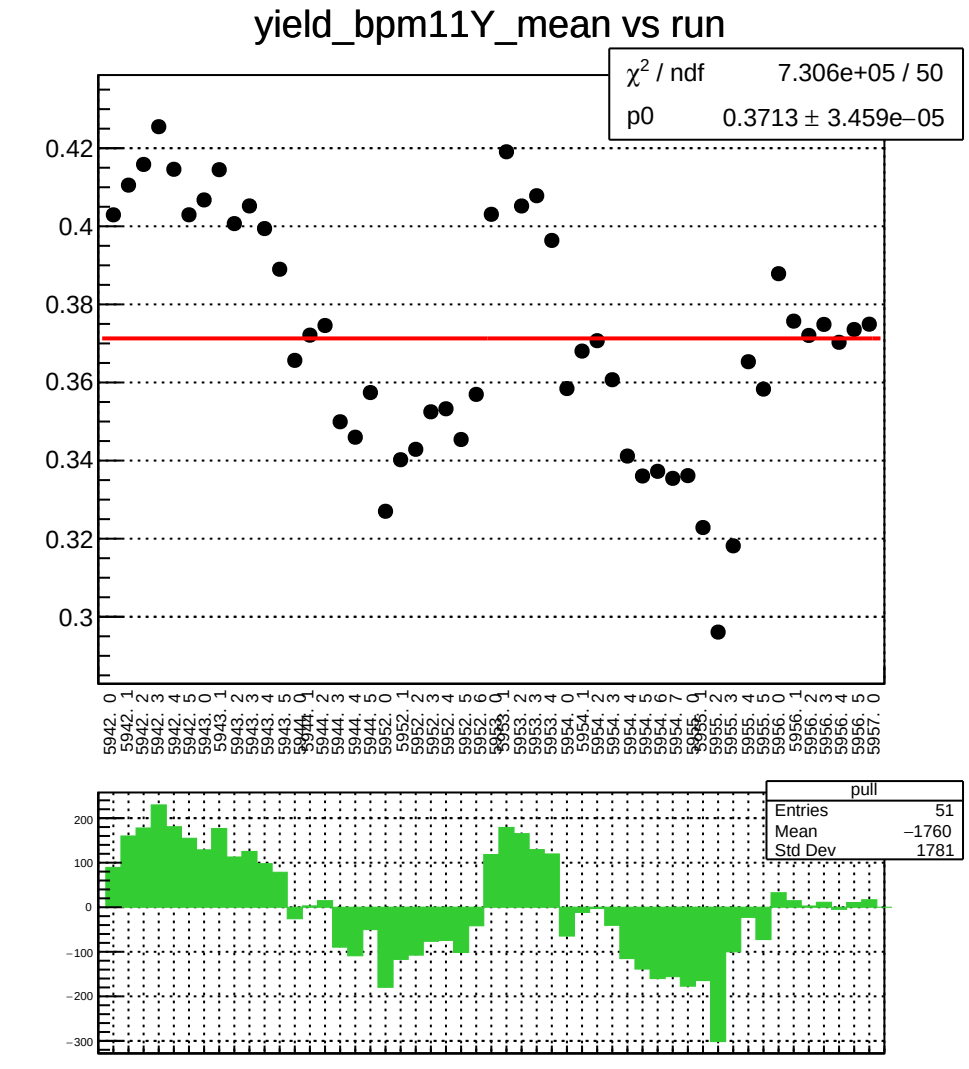

pull1D
Entries 51
Mean −1.751
Std Dev 4.908

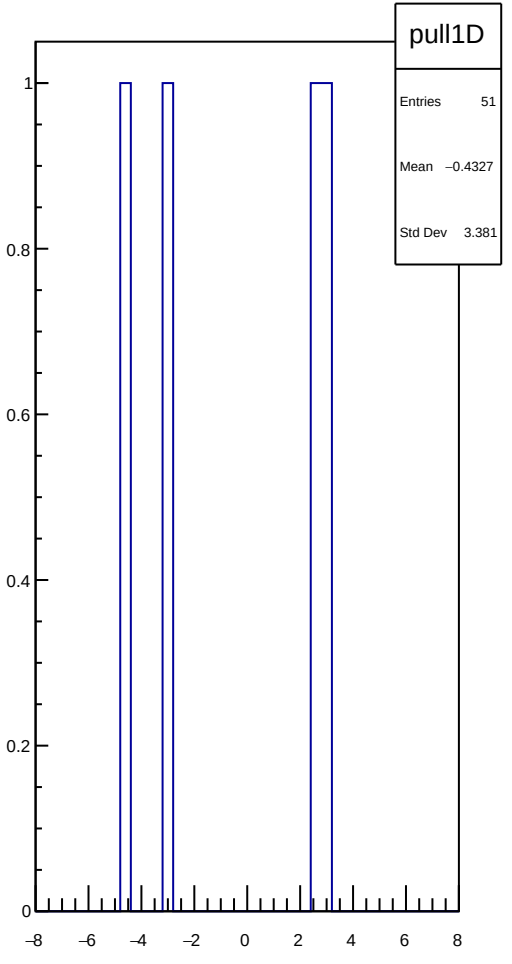

yield_bpm1Y_rms vs run
χ² / ndf 5.517e+05 / 50
p0 0.05568 ± 8.438e–05
0.35
0.3
0.25
0.2
0.15
0.1
0.05
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
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

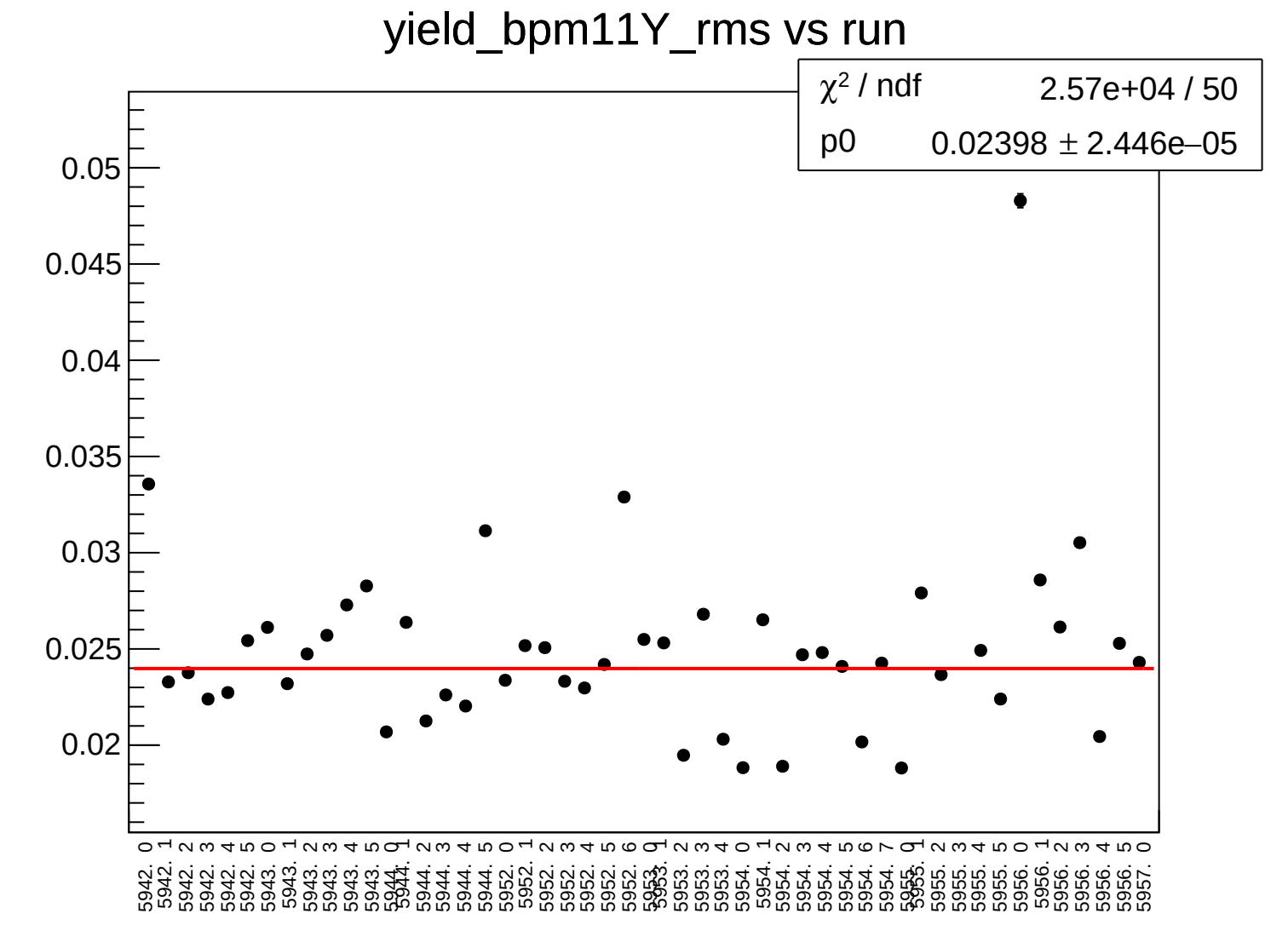

yield_bpm11X_mean vs run
χ² / ndf 3.155e+05 / 50
p0 0.9731 ± 1.754e−05
1.1
1.08
1.06
1.04
1.02
1
0.98
0.96
pull
Entries 51
Mean 47.19
Std Dev 6.784
500
400
300
200
100
0

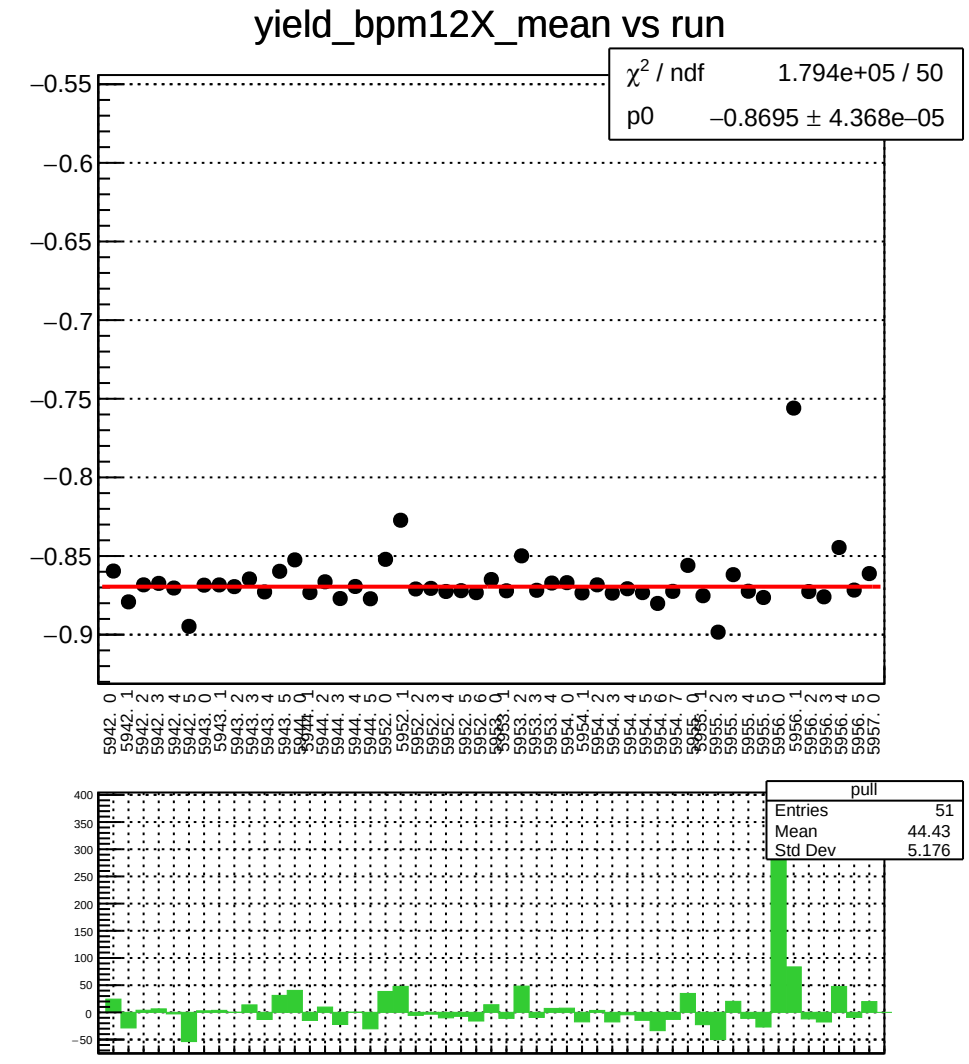

pull1D
Entries 51
Mean 1.584
Std Dev 3.786
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

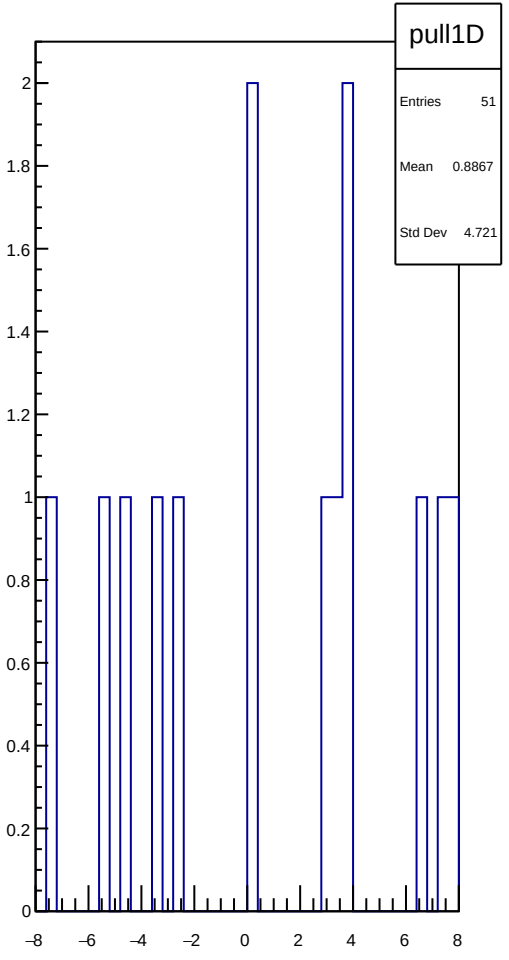

yield_bpm11X_rms vs run
χ² / ndf 5.996e+04 / 50
p0 0.01194 ± 1.24e−05
0.05
0.04
0.03
0.02
0.01
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 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

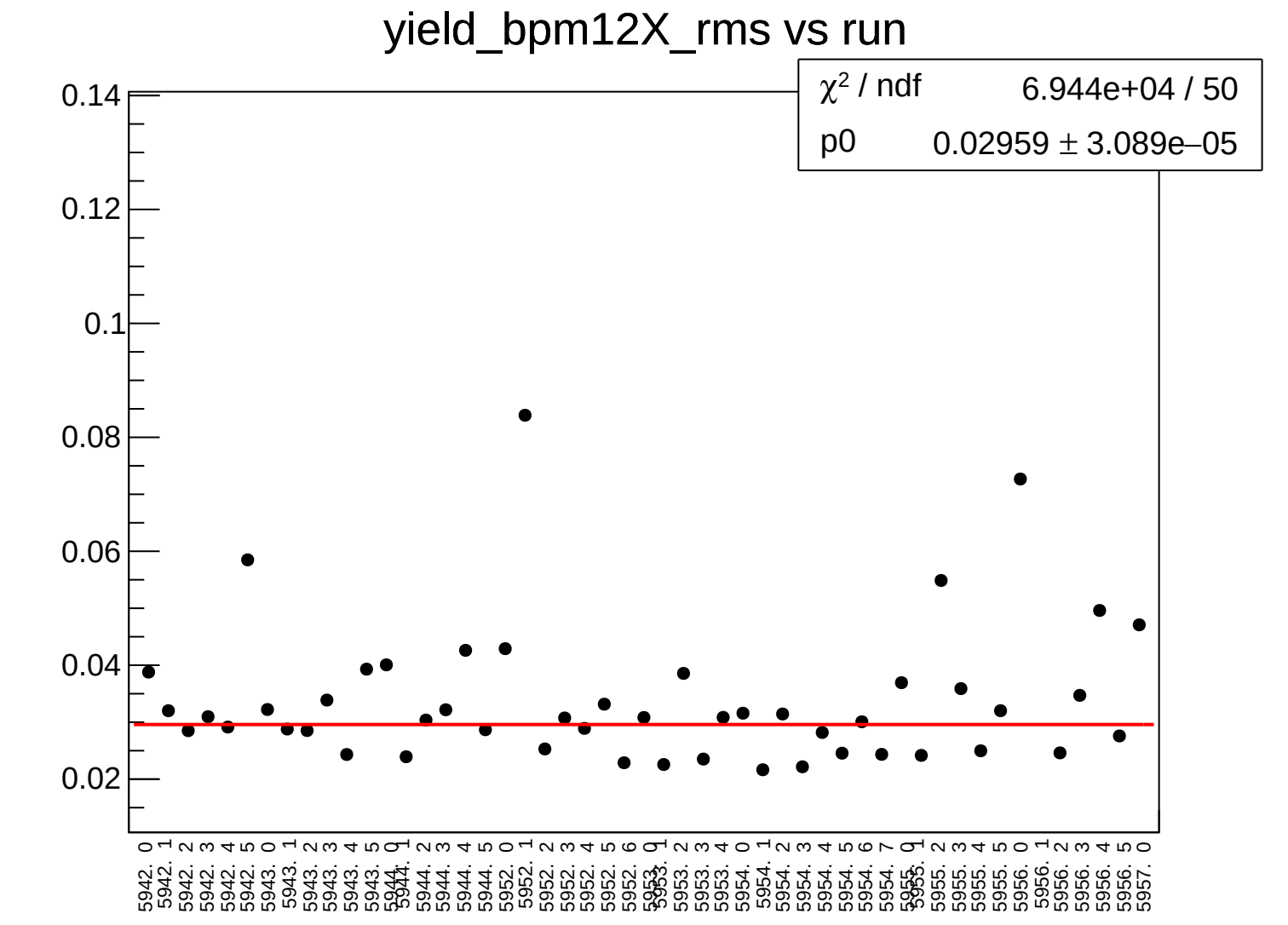

yield_bpm11Y_mean vs run
χ² / ndf 7.306e+05 / 50
p0 0.3713 ± 3.459e−05
0.42
0.4
0.38
0.36
0.34
0.32
0.3
pull
Entries 51
Mean −1760
Std Dev 1781
200
100
0
−100
−200
−300

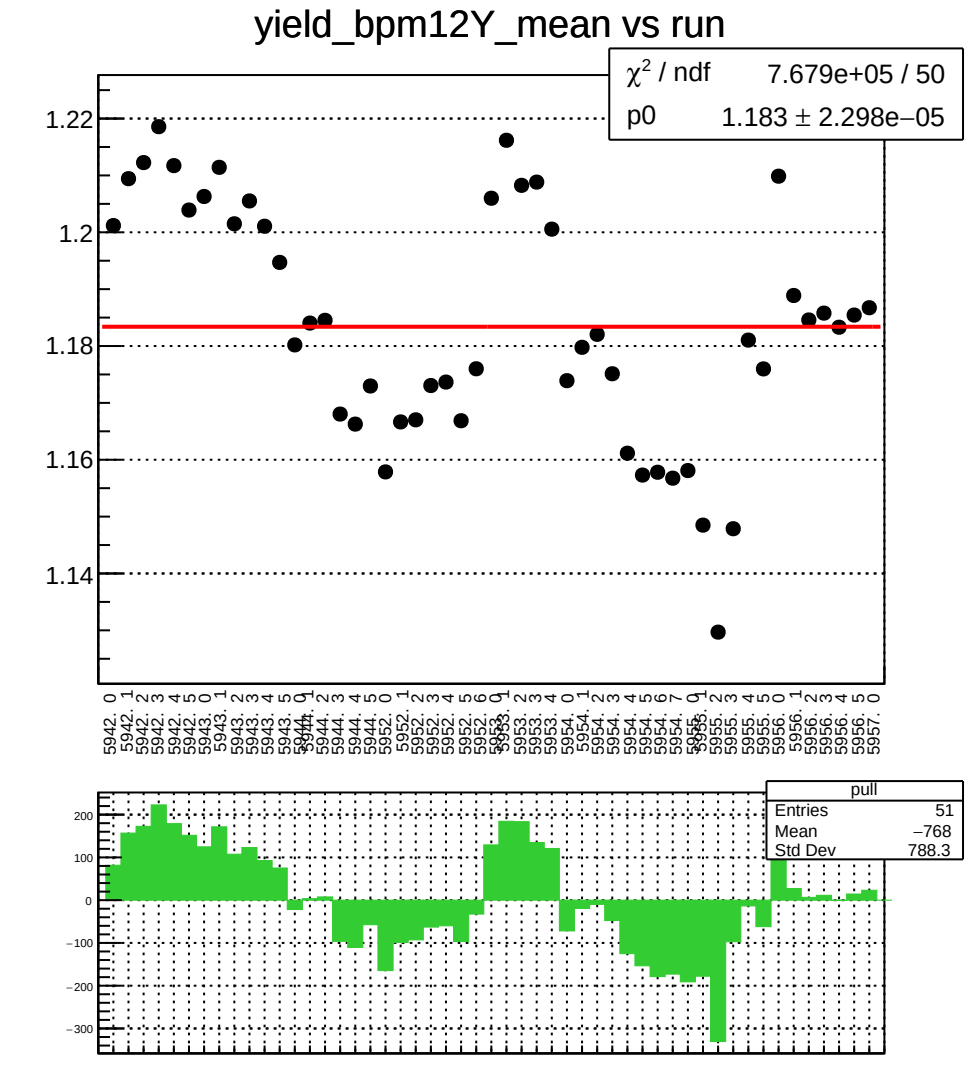

pull1D
Entries 51
Mean −0.4327
Std Dev 3.381
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

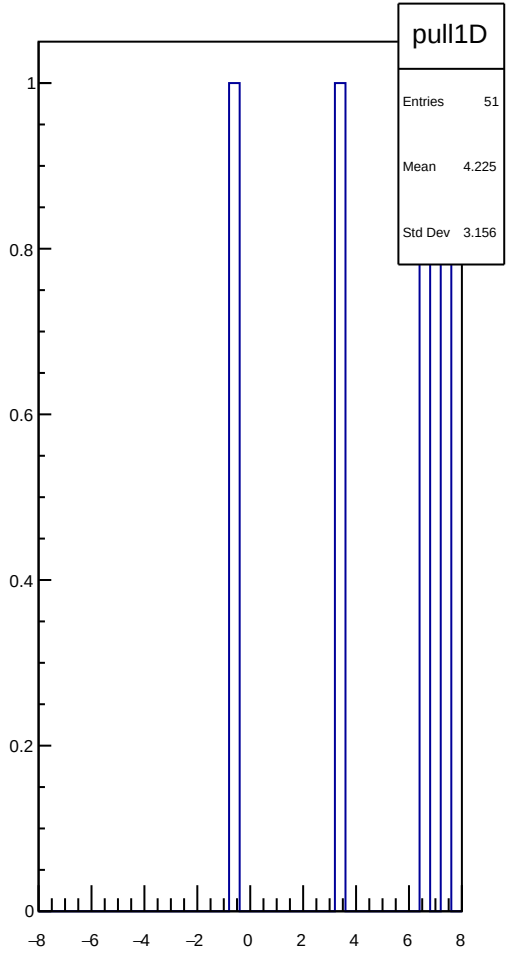

yield_bpm11Y_rms vs run
χ² / ndf 2.57e+04 / 50
p0 0.02398 ± 2.446e−05
0.05
0.045
0.04
0.035
0.03
0.025
0.02
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 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

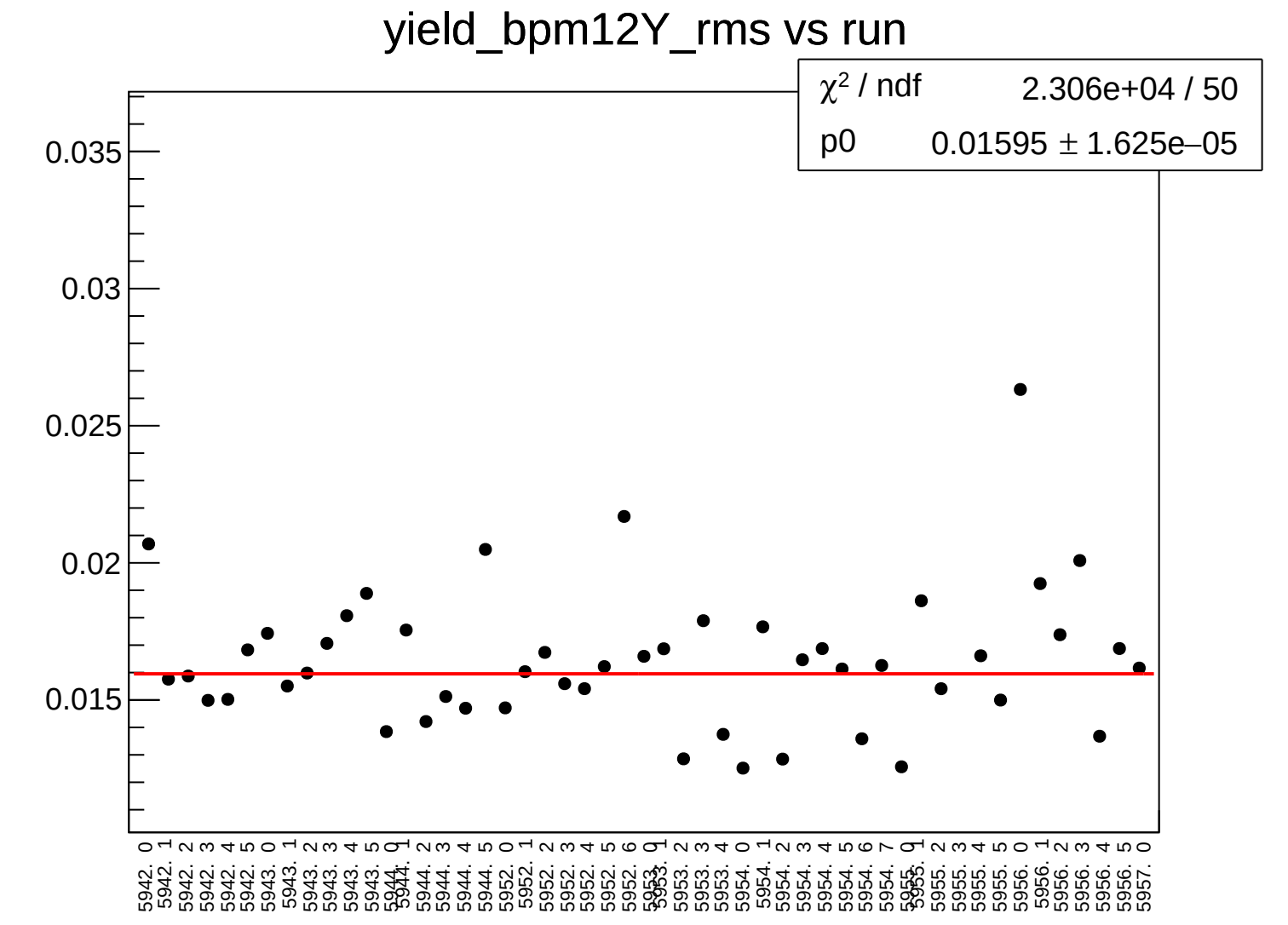

yield_bpm12X_mean vs run
χ² / ndf 1.794e+05 / 50
p0 −0.8695 ± 4.368e−05
pull
Entries 51
Mean 44.43
Std Dev 5.176

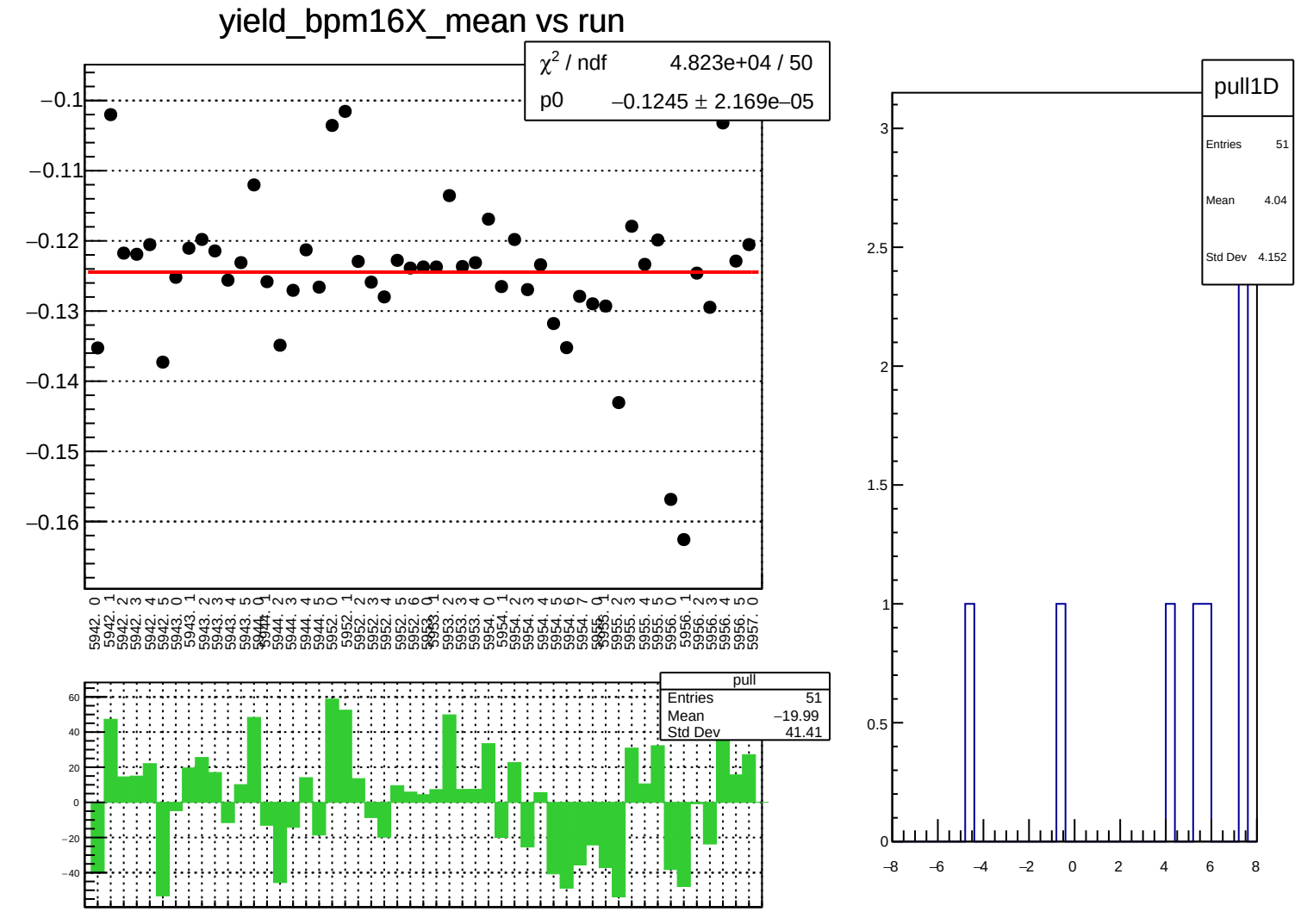

pull1D
Entries 51
Mean 0.8867
Std Dev 4.721

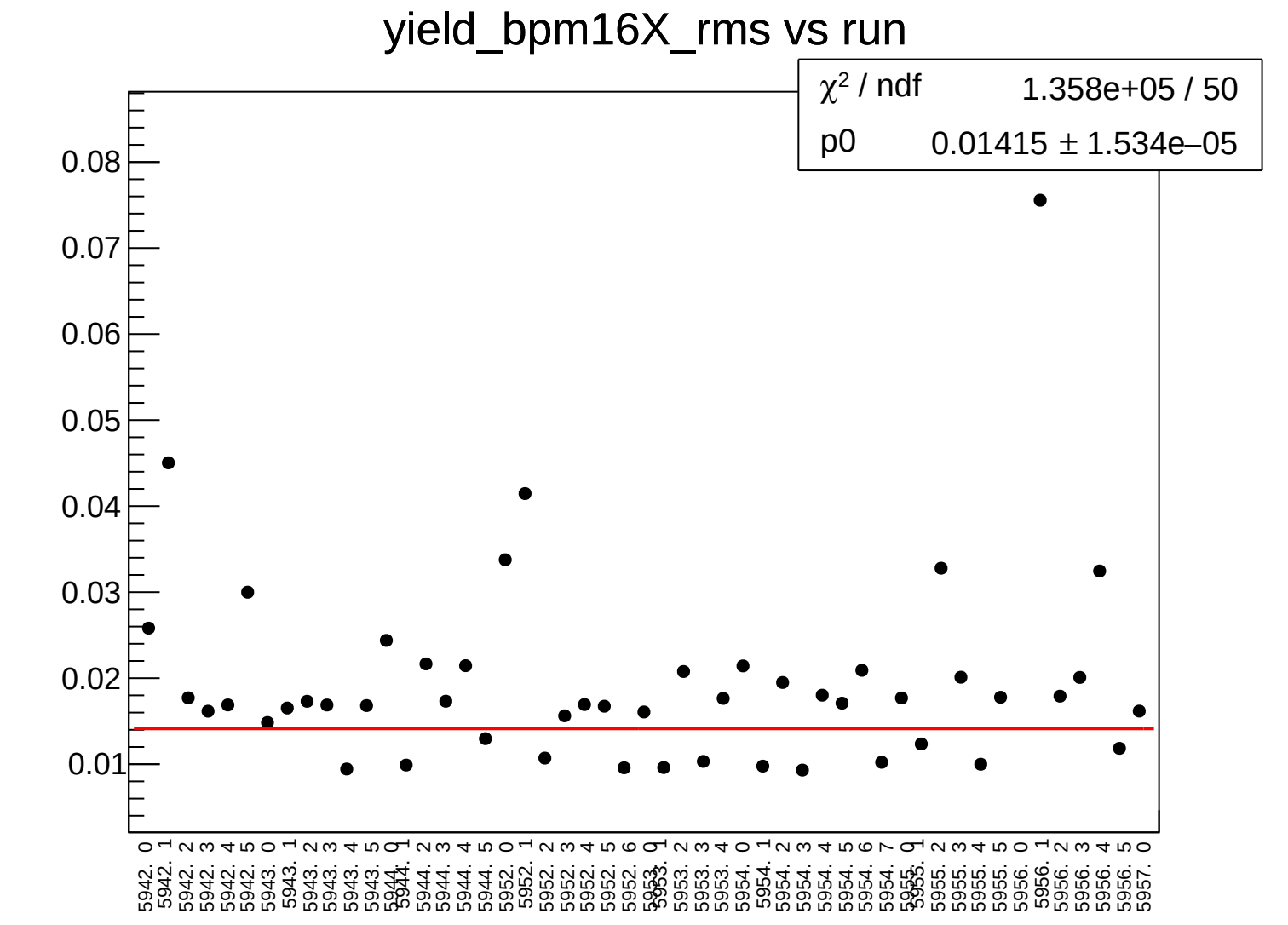

yield_bpm12X_rms vs run
χ² / ndf 6.944e+04 / 50
p0 0.02959 ± 3.089e–05
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 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

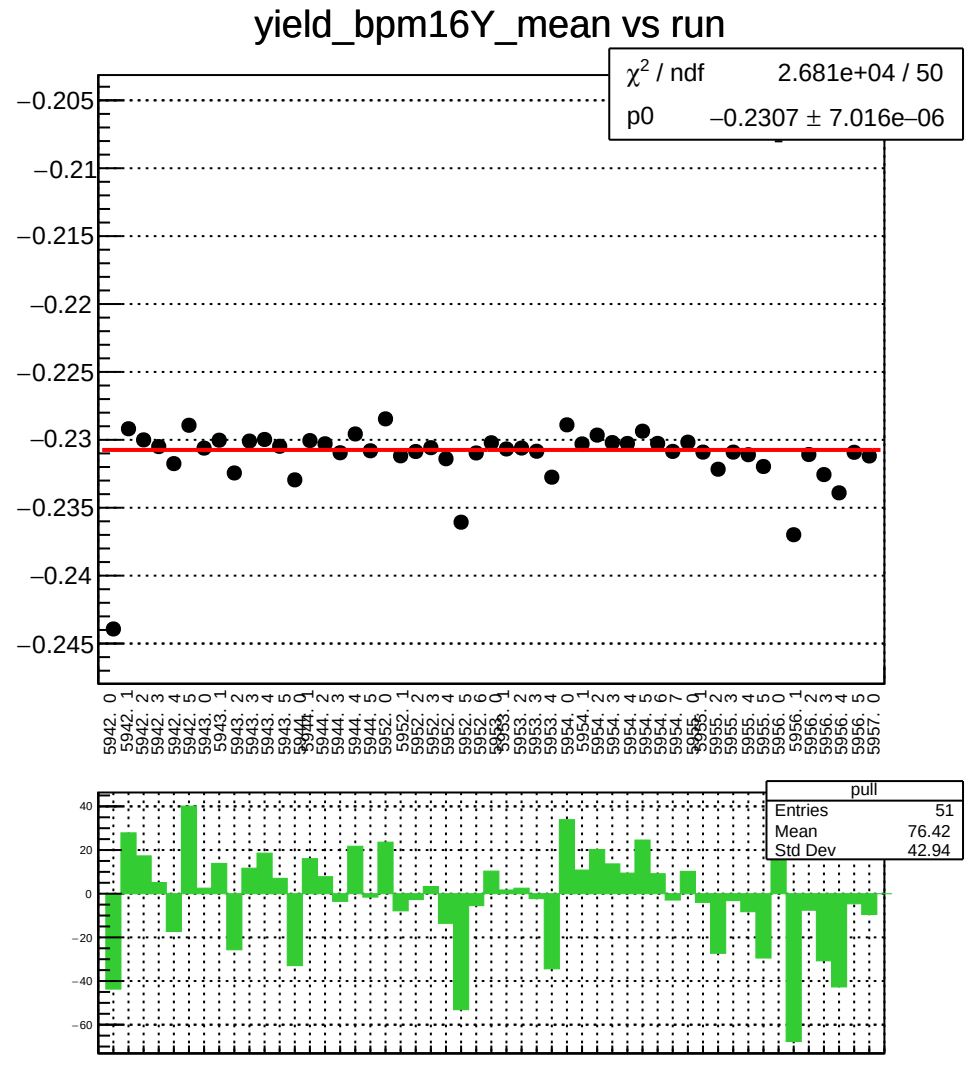

yield_bpm12Y_mean vs run
χ² / ndf 7.679e+05 / 50
p0 1.183 ± 2.298e−05
1.22
1.2
1.18
1.16
1.14
pull
Entries 51
Mean −768
Std Dev 788.3
200
100
0
−100
−200
−300

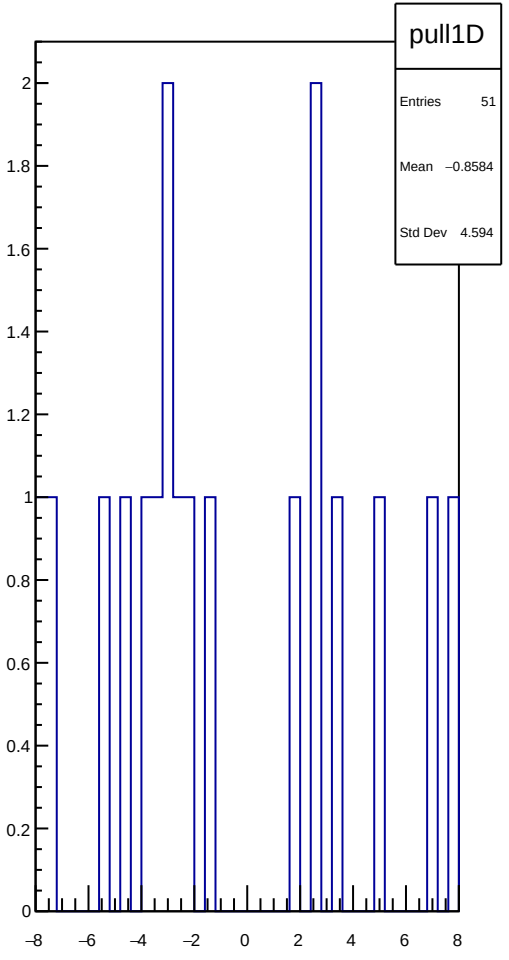

pull1D
Entries 51
Mean 4.225
Std Dev 3.156
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

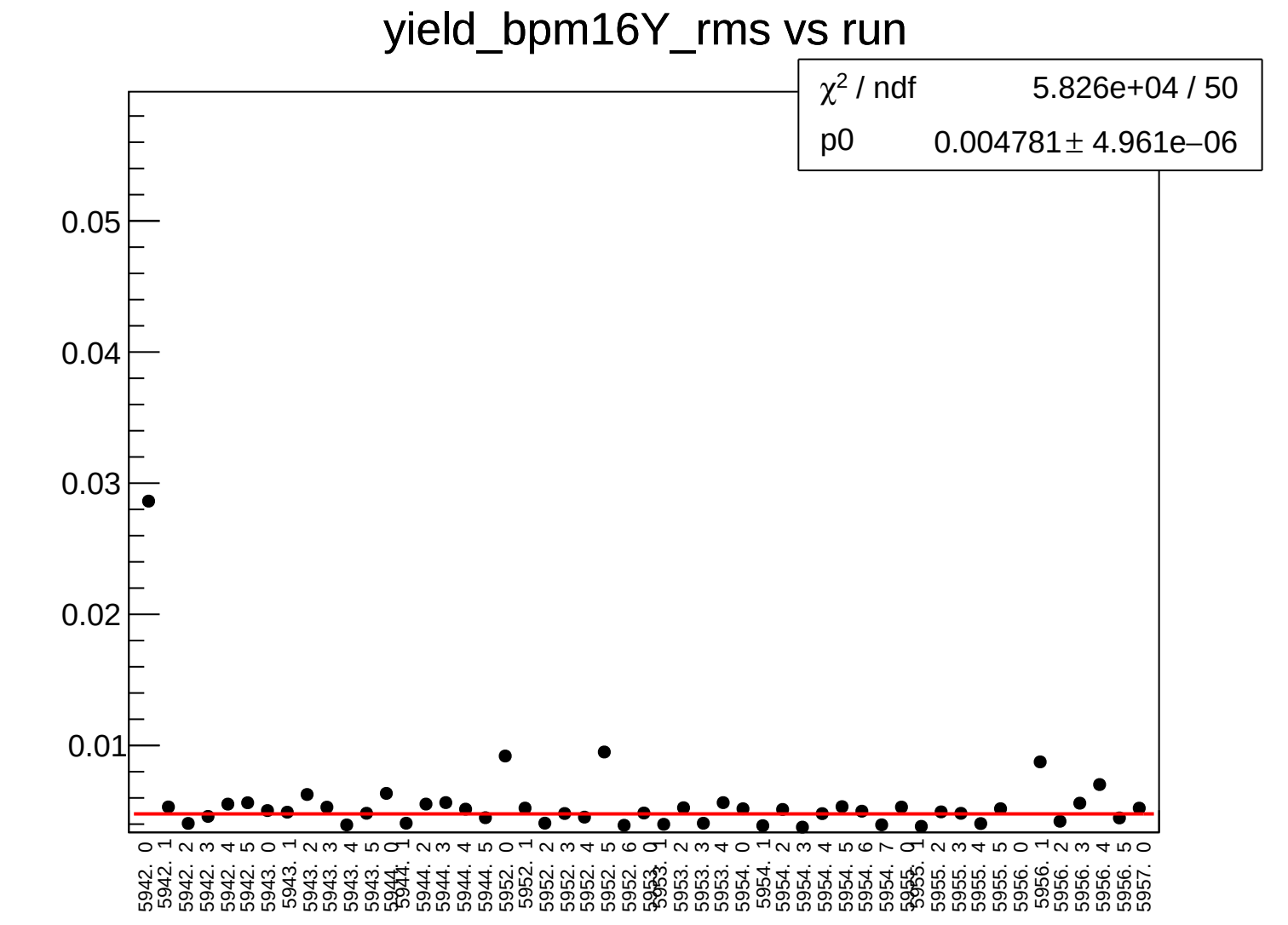

yield_bpm12Y_rms vs run
χ² / ndf 2.306e+04 / 50
p0 0.01595 ± 1.625e−05
0.035
0.03
0.025
0.02
0.015
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 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

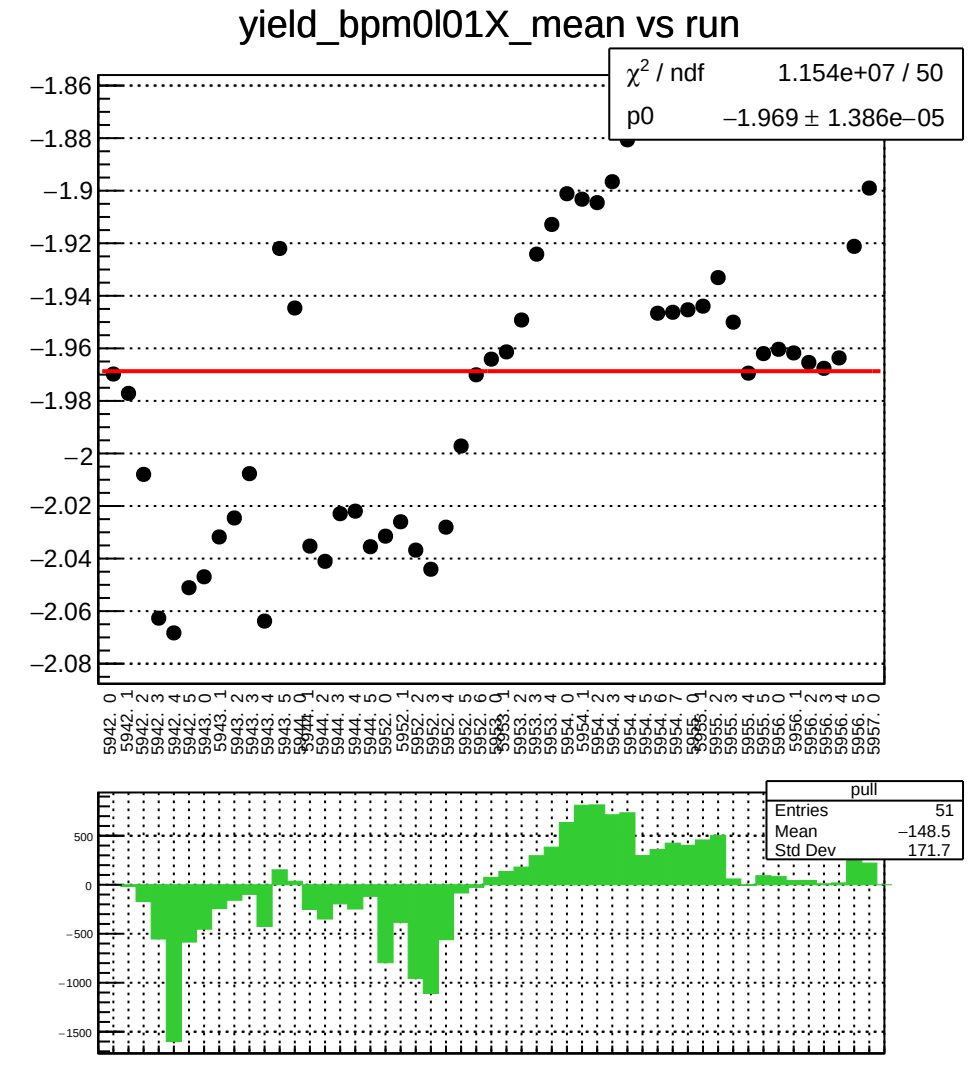

yield_bpm16X_mean vs run
χ² / ndf 4.823e+04 / 50
p0 −0.1245 ± 2.169e−05
−0.1
−0.11
−0.12
−0.13
−0.14
−0.15
−0.16
pull
Entries 51
Mean −19.99
Std Dev 41.41
60
40
20
0
−20
−40
pull1D
Entries 51
Mean 4.04
Std Dev 4.152
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

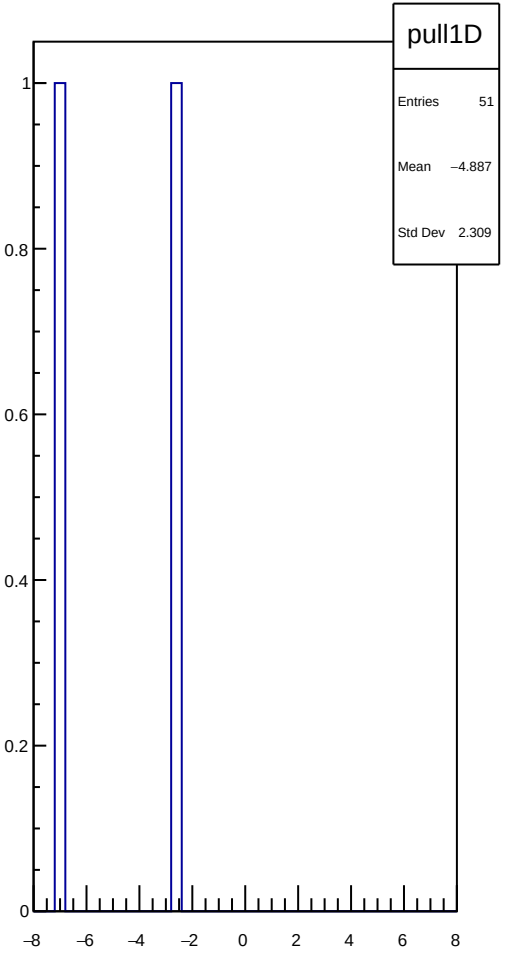

yield_bpm16X_rms vs run
χ² / ndf 1.358e+05 / 50
p0 0.01415 ± 1.534e–05
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 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

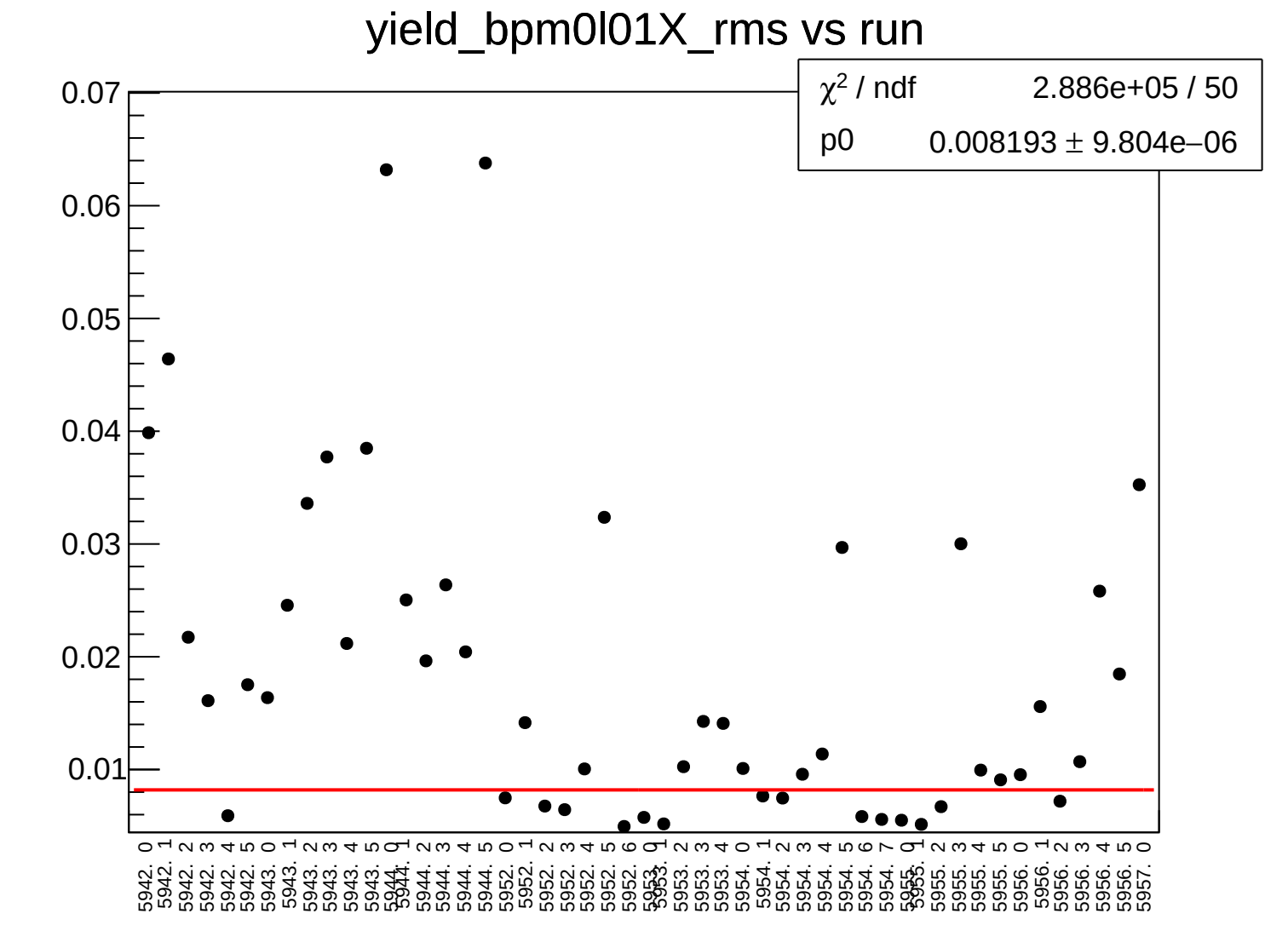

yield_bpm16Y_mean vs run
χ² / ndf 2.681e+04 / 50
p0 −0.2307 ± 7.016e−06
−0.205
−0.21
−0.215
−0.22
−0.225
−0.23
−0.235
−0.24
−0.245
pull
Entries 51
Mean 76.42
Std Dev 42.94
40
20
0
−20
−40
−60

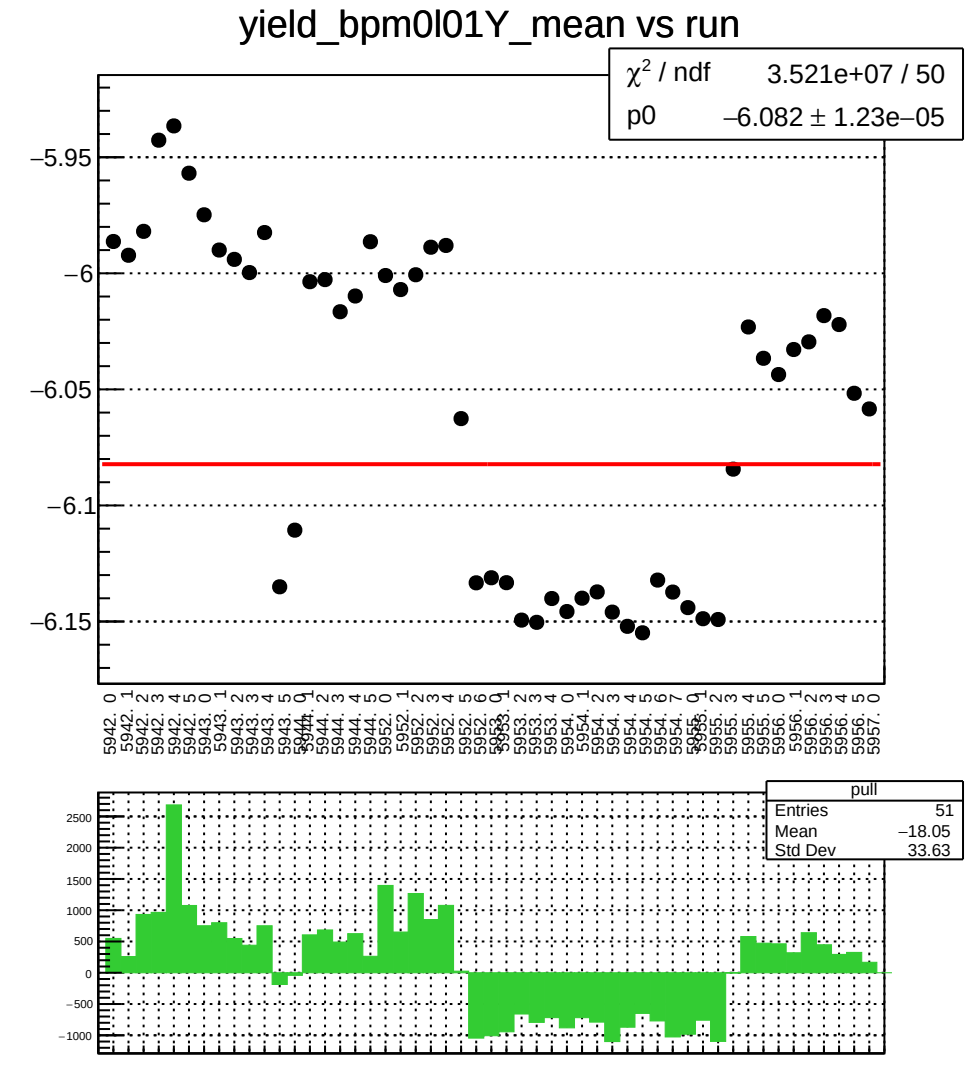

pull1D
Entries 51
Mean −0.8584
Std Dev 4.594
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

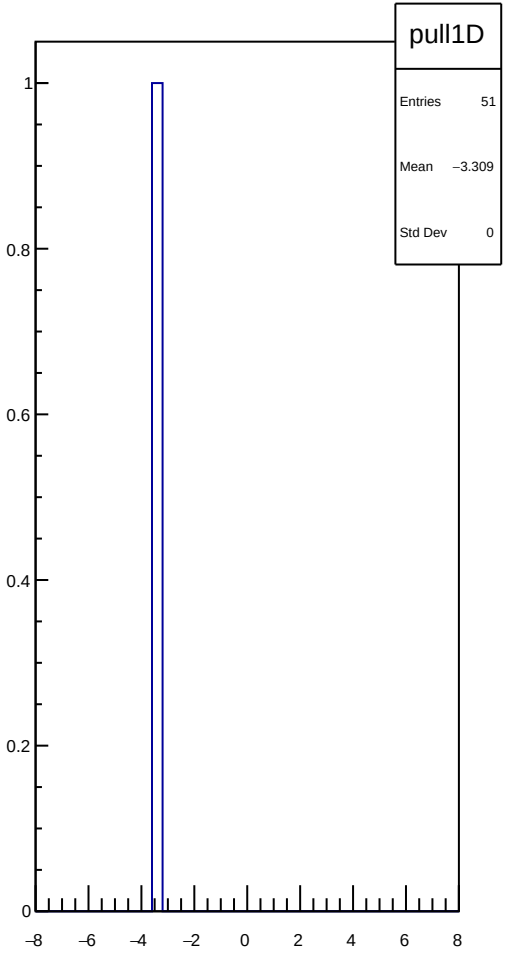

yield_bpm16Y_rms vs run
χ² / ndf 5.826e+04 / 50
p0 0.004781 ± 4.961e−06
0.05
0.04
0.03
0.02
0.01
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 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

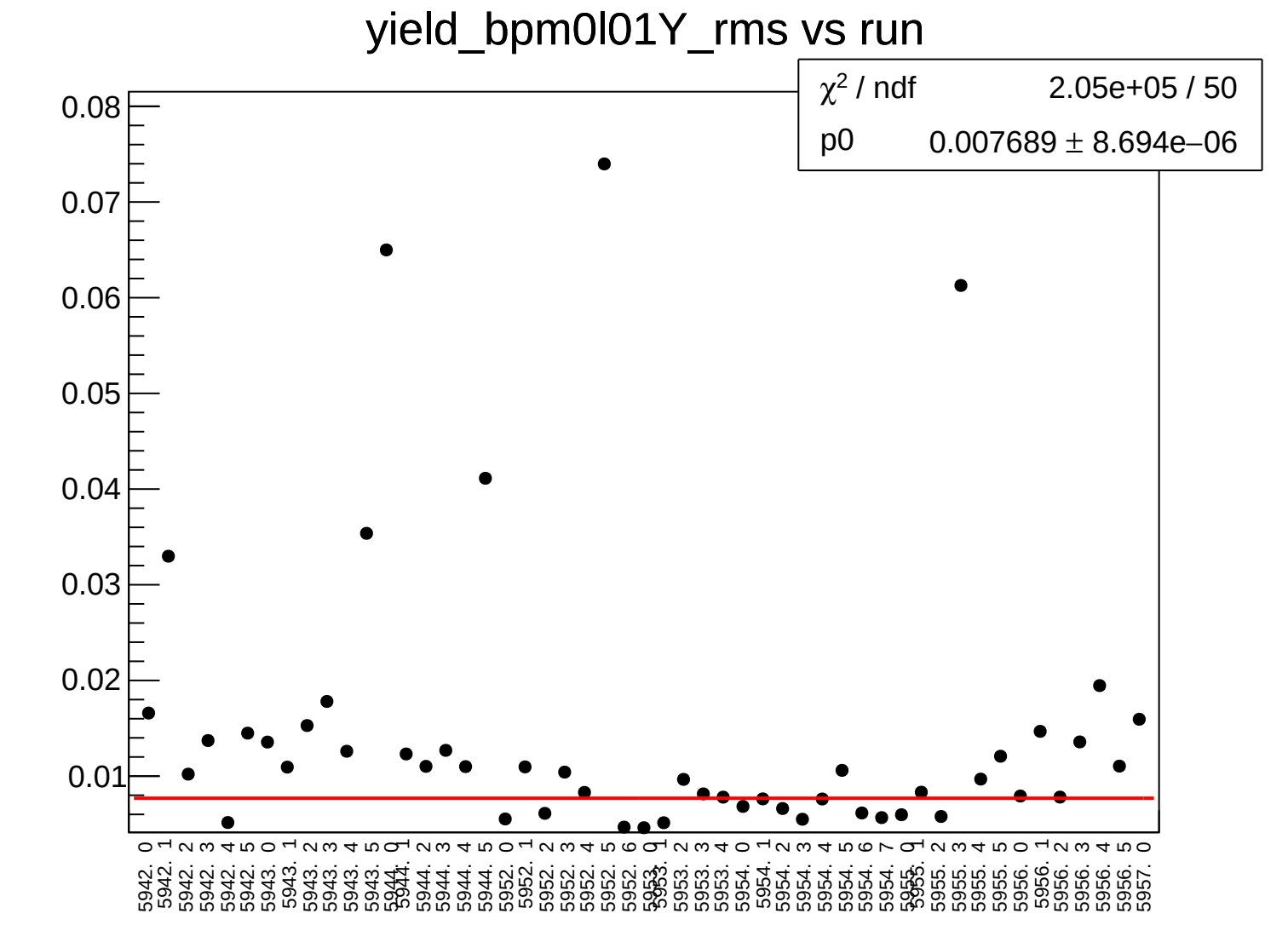

yield_bpm0l01X_mean vs run
χ² / ndf 1.154e+07 / 50
p0 −1.969 ± 1.386e−05
pull
Entries 51
Mean −148.5
Std Dev 171.7

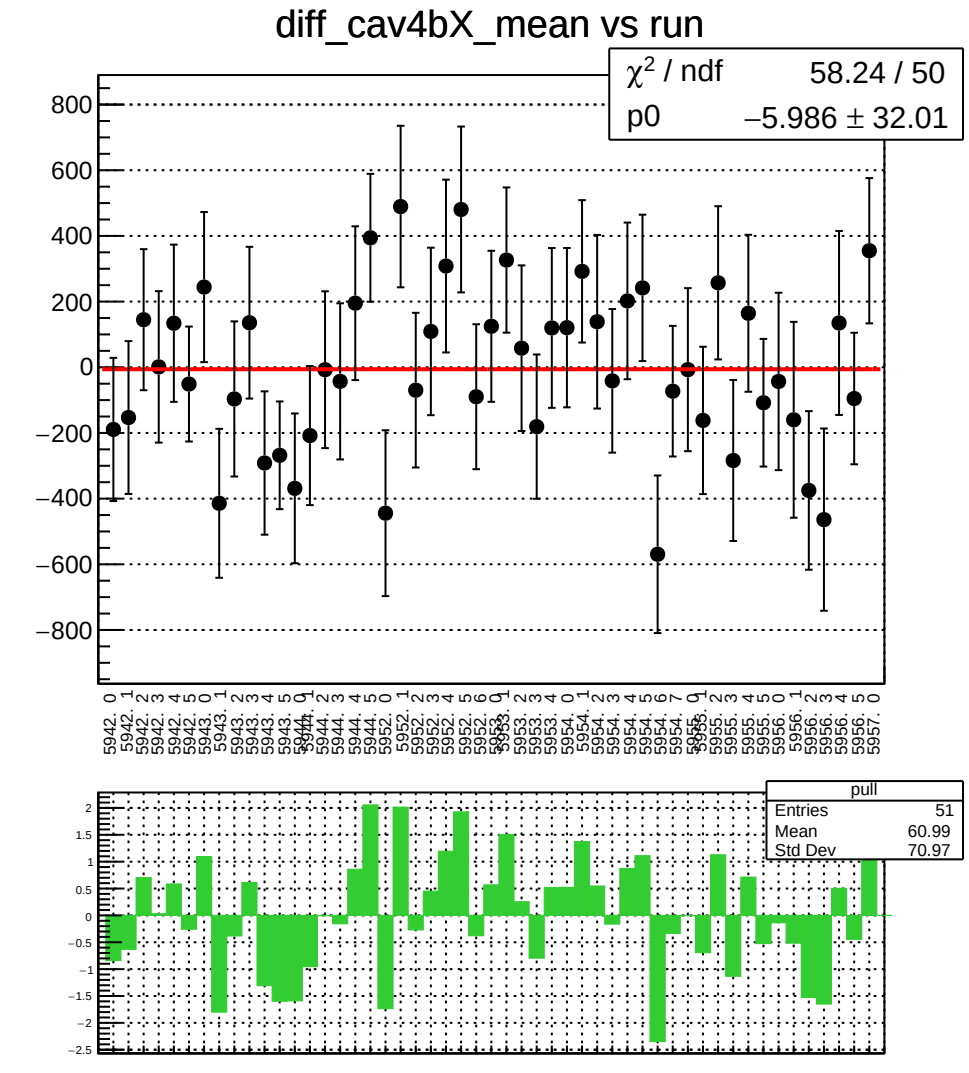

pull1D
Entries 51
Mean −4.887
Std Dev 2.309

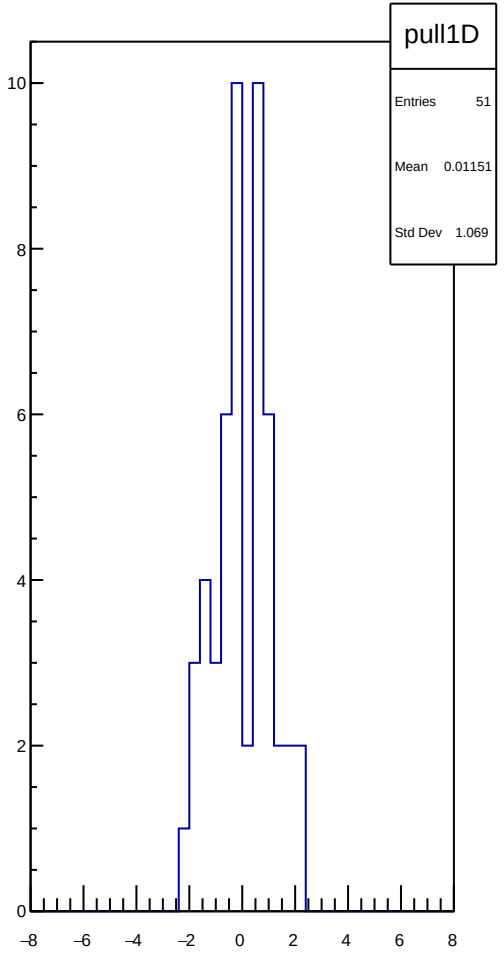

yield_bpm0l01X_rms vs run
χ² / ndf 2.886e+05 / 50
p0 0.008193 ± 9.804e−06
0.07
0.06
0.05
0.04
0.03
0.02
0.01
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
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

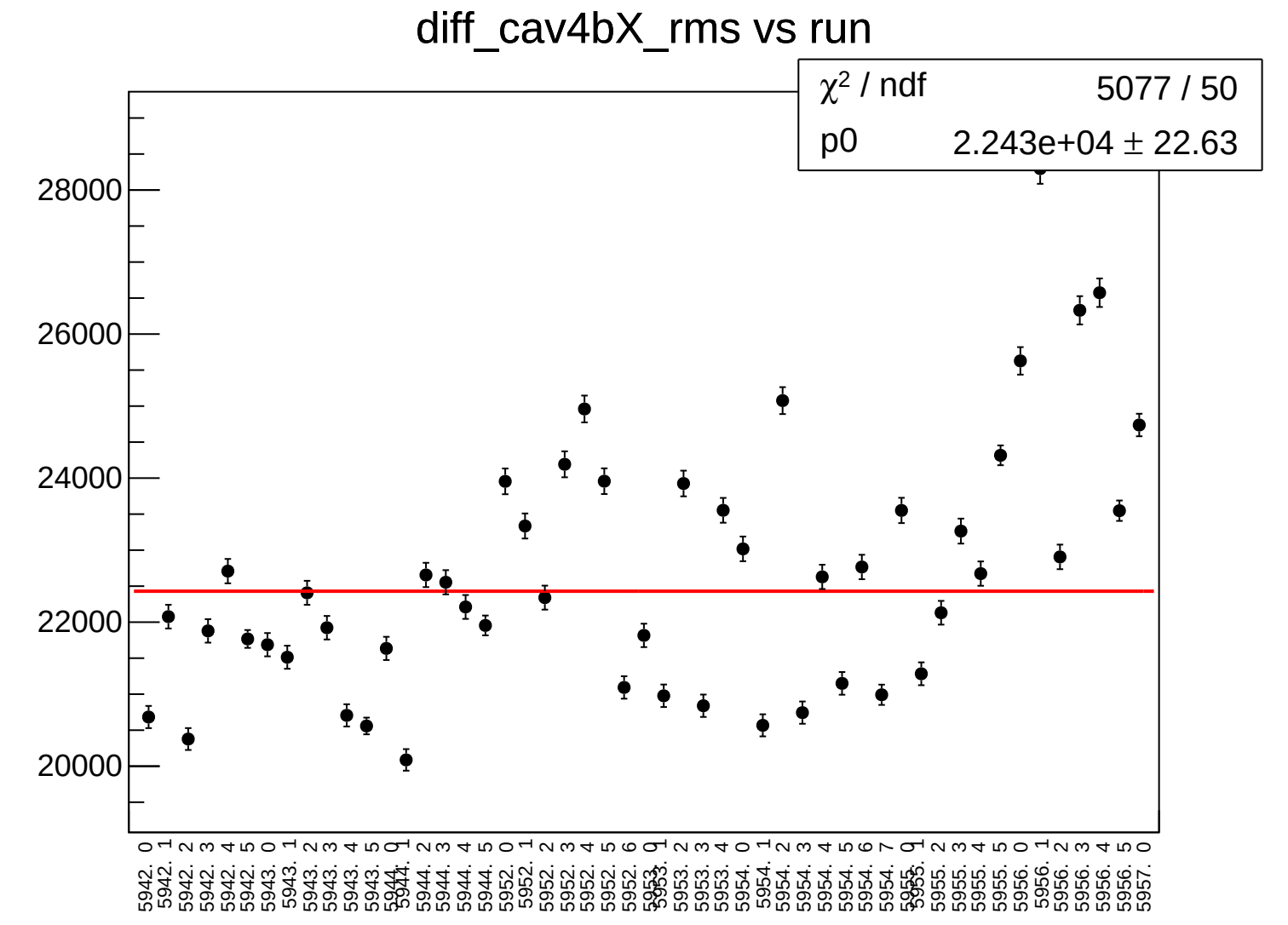

yield_bpm0l01Y_mean vs run
χ² / ndf 3.521e+07 / 50
p0 −6.082 ± 1.23e−05
−5.95
−6
−6.05
−6.1
−6.15
pull
Entries 51
Mean −18.05
Std Dev 33.63
2500
2000
1500
1000
500
0
−500
−1000

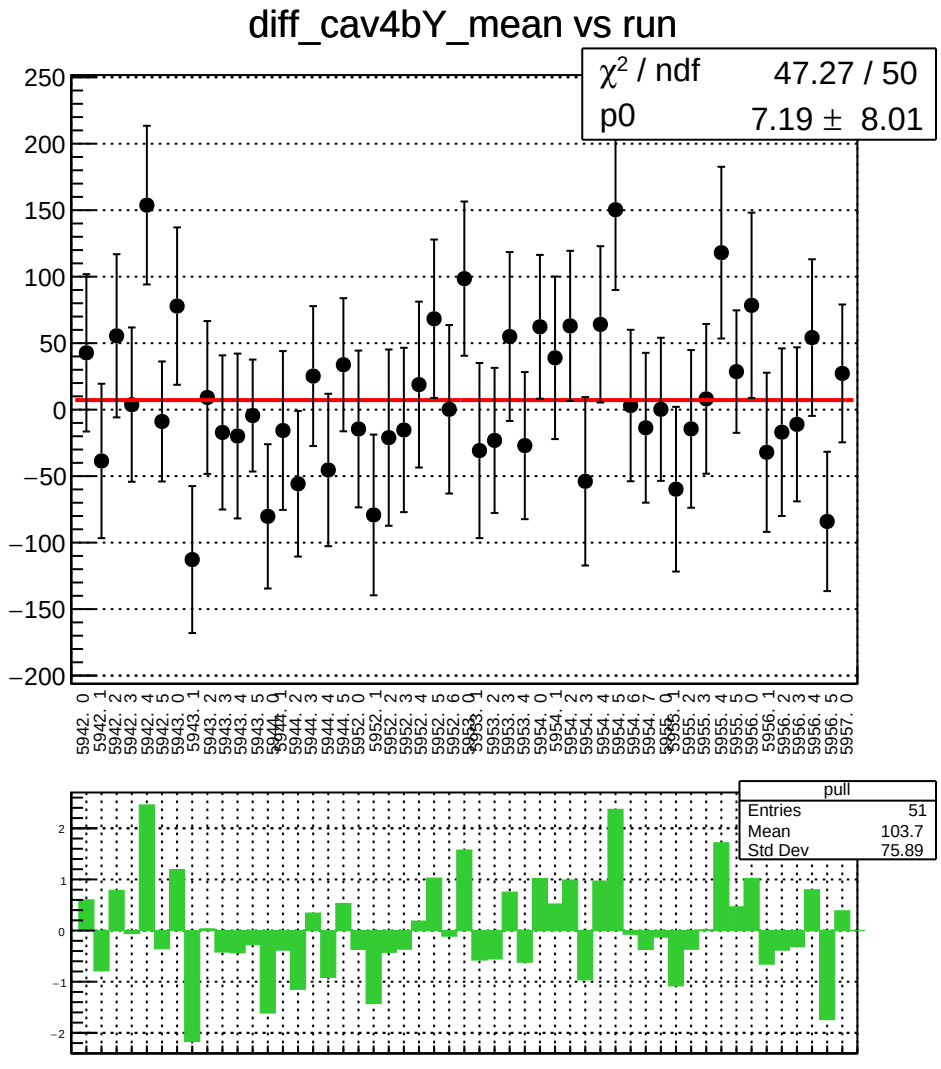

pull1D
Entries 51
Mean −3.309
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

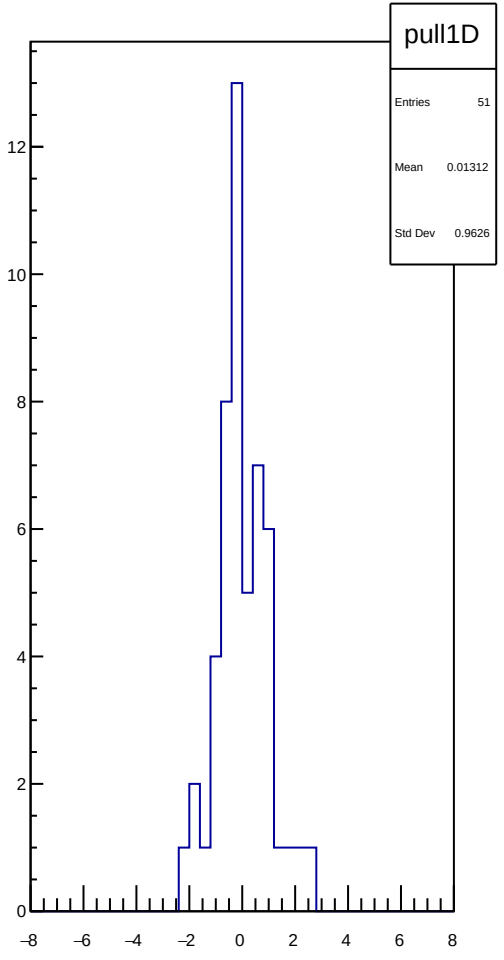

yield_bpm0l01Y_rms vs run
χ² / ndf 2.05e+05 / 50
p0 0.007689 ± 8.694e−06
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 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

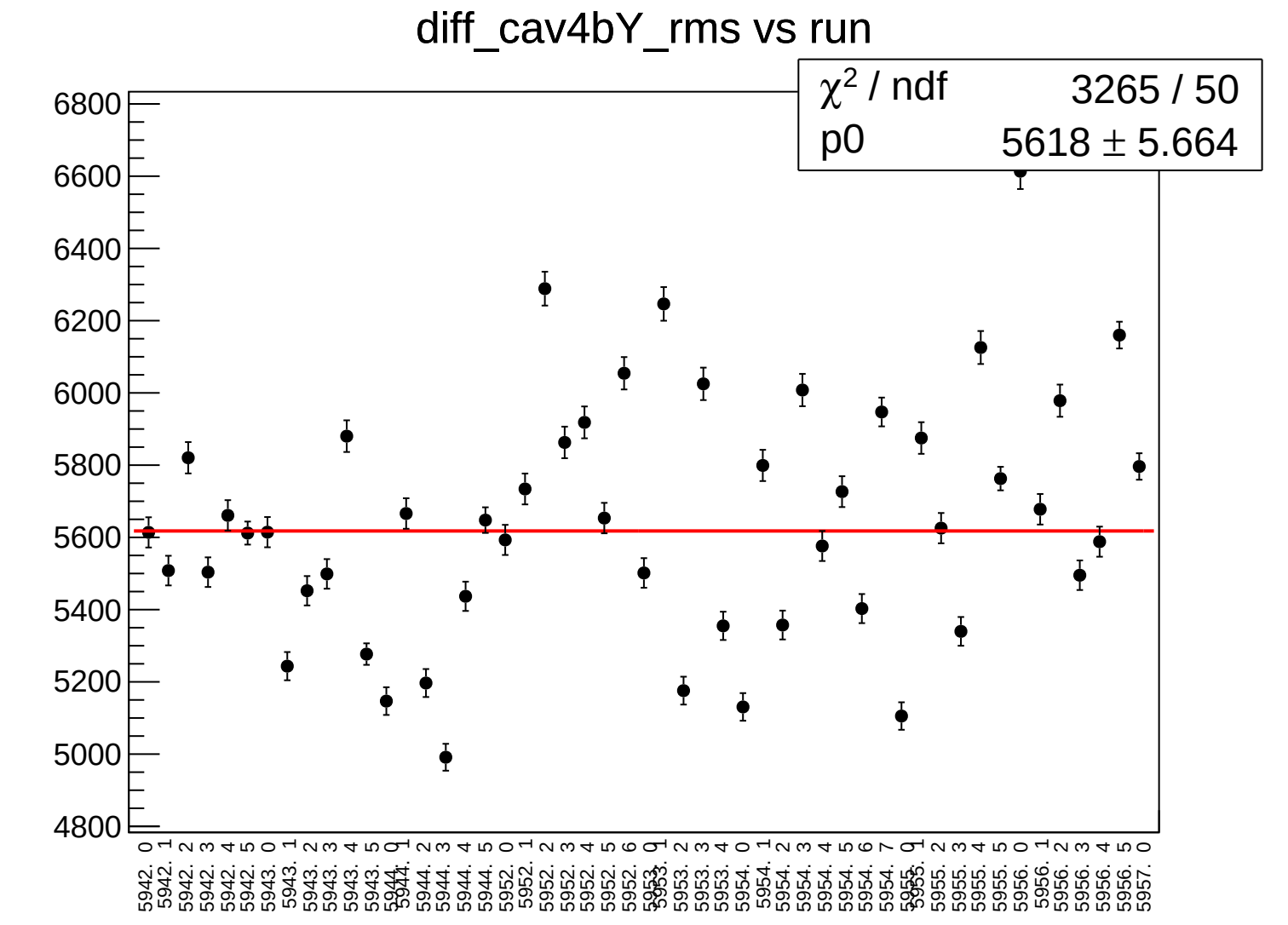

diff_cav4bX_mean vs run
χ² / ndf 58.24 / 50
p0 −5.986 ± 32.01
pull
Entries 51
Mean 60.99
Std Dev 70.97

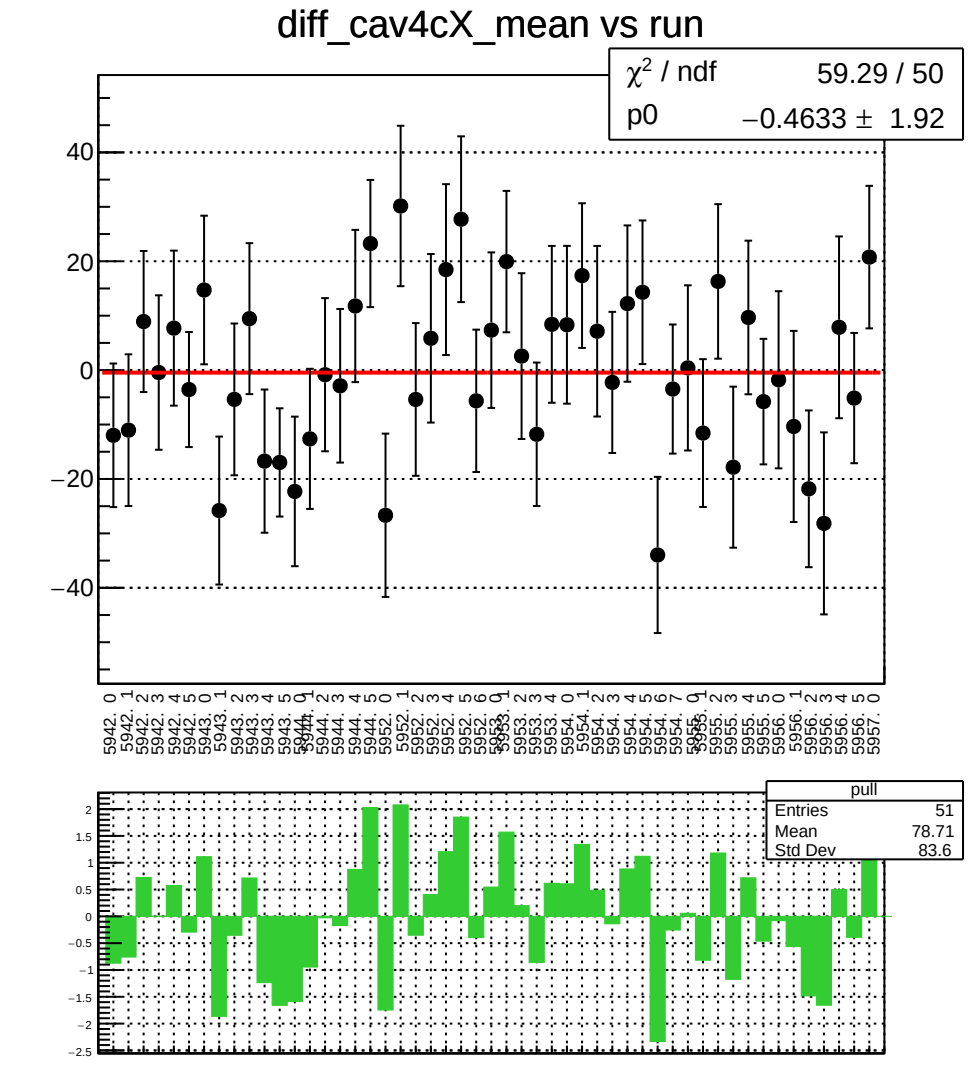

pull1D
Entries 51
Mean 0.01151
Std Dev 1.069

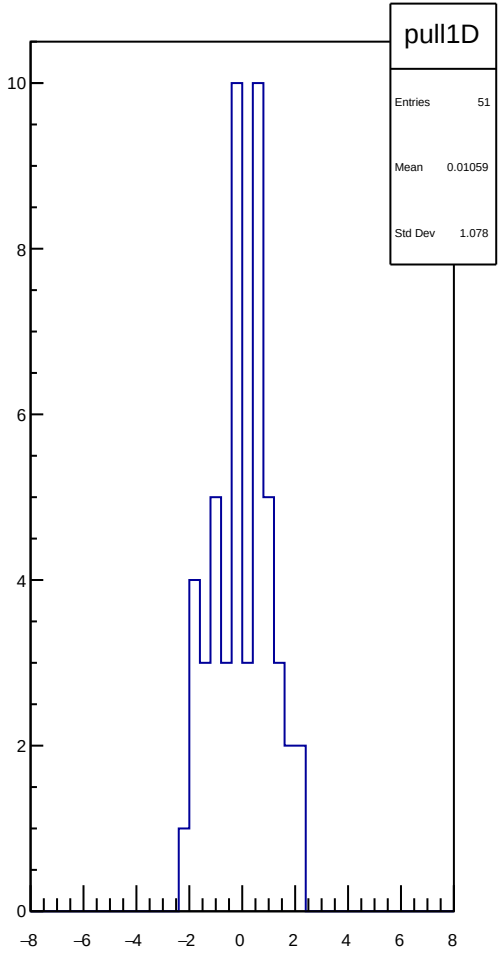

diff_cav4bX_rms vs run
χ² / ndf 5077 / 50
p0 2.243e+04 ± 22.63
28000
26000
24000
22000
20000
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
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

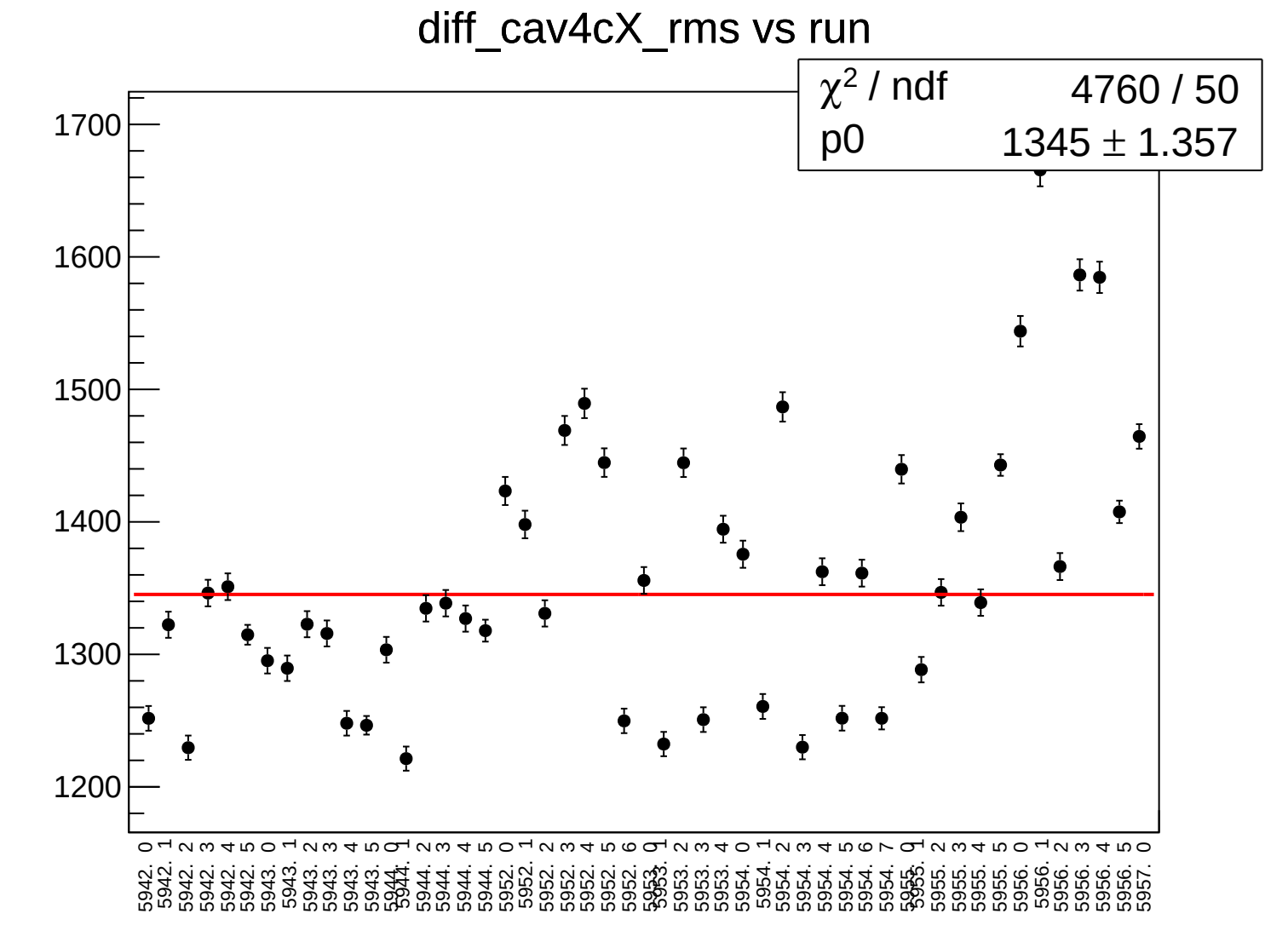

diff_cav4bY_mean vs run
χ² / ndf 47.27 / 50
p0 7.19 ± 8.01
pull
Entries 51
Mean 103.7
Std Dev 75.89

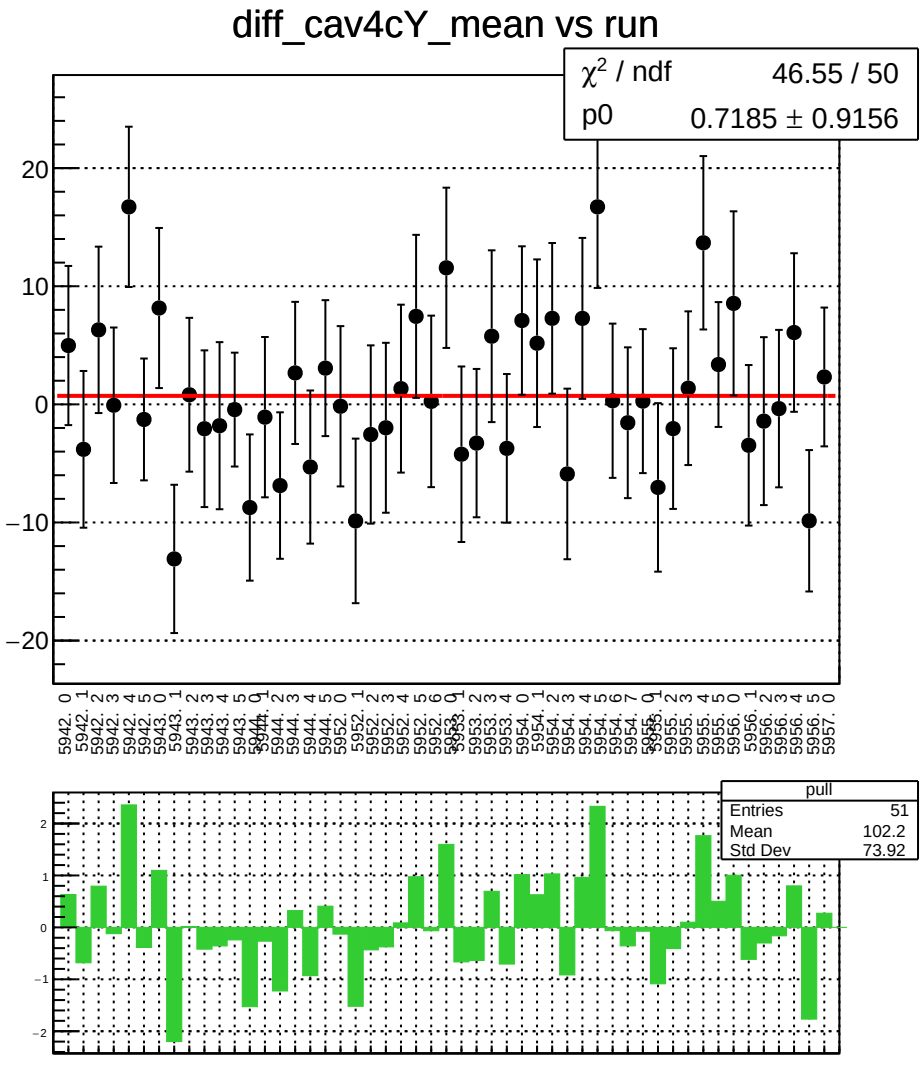

pull1D
Entries 51
Mean 0.01312
Std Dev 0.9626

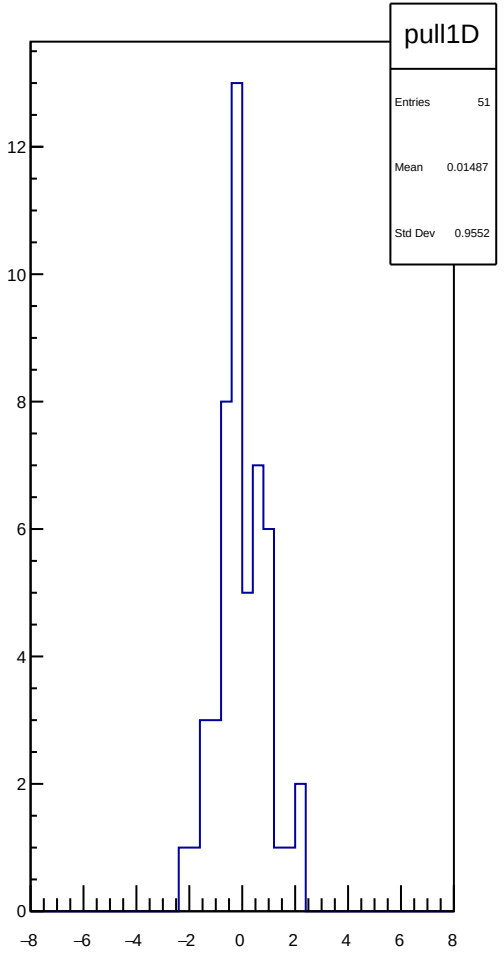

diff_cav4bY_rms vs run
χ² / ndf 3265 / 50
p0 5618 ± 5.664
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 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

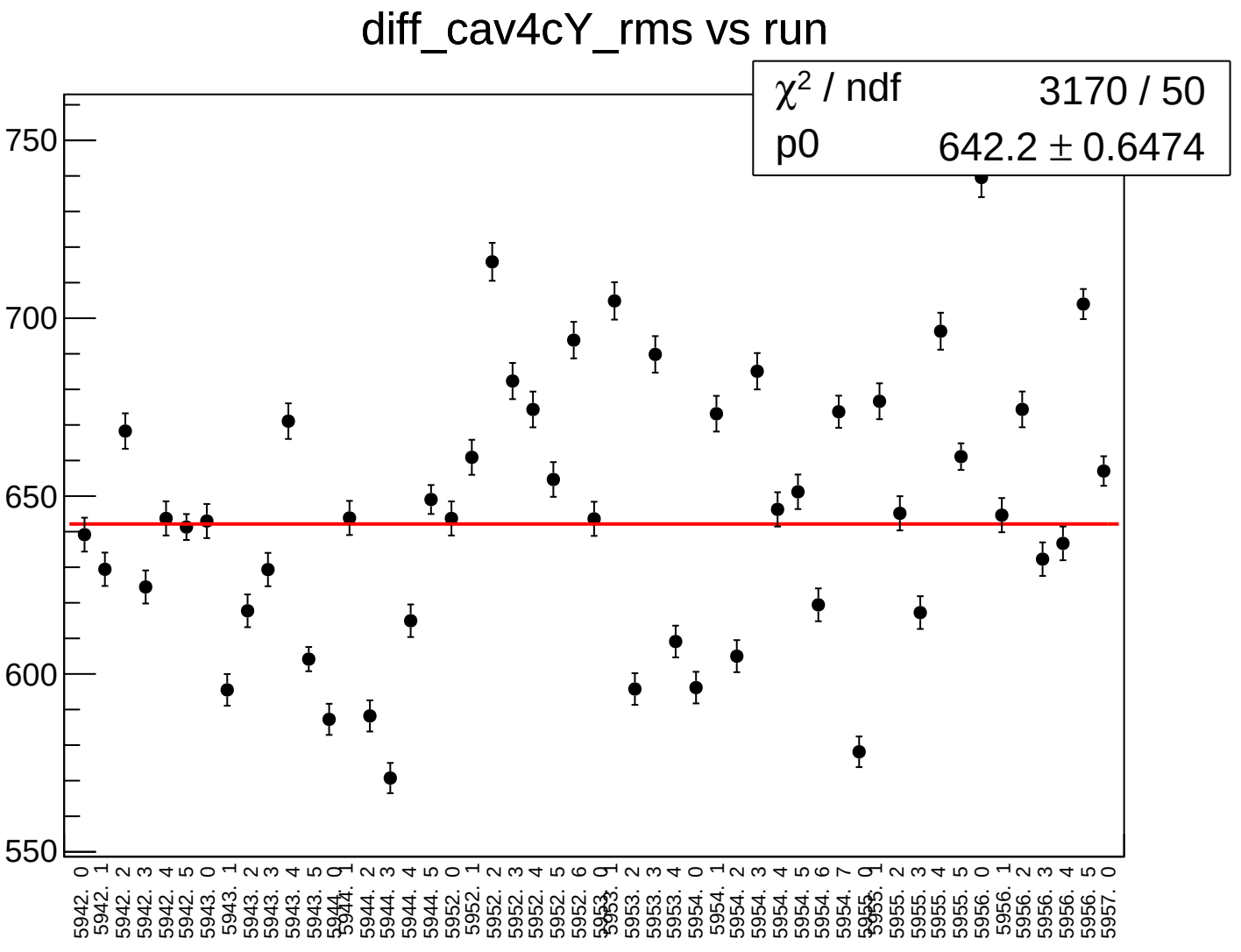

diff_cav4cX_mean vs run
χ² / ndf 59.29 / 50
p0 −0.4633 ± 1.92
pull
Entries 51
Mean 78.71
Std Dev 83.6

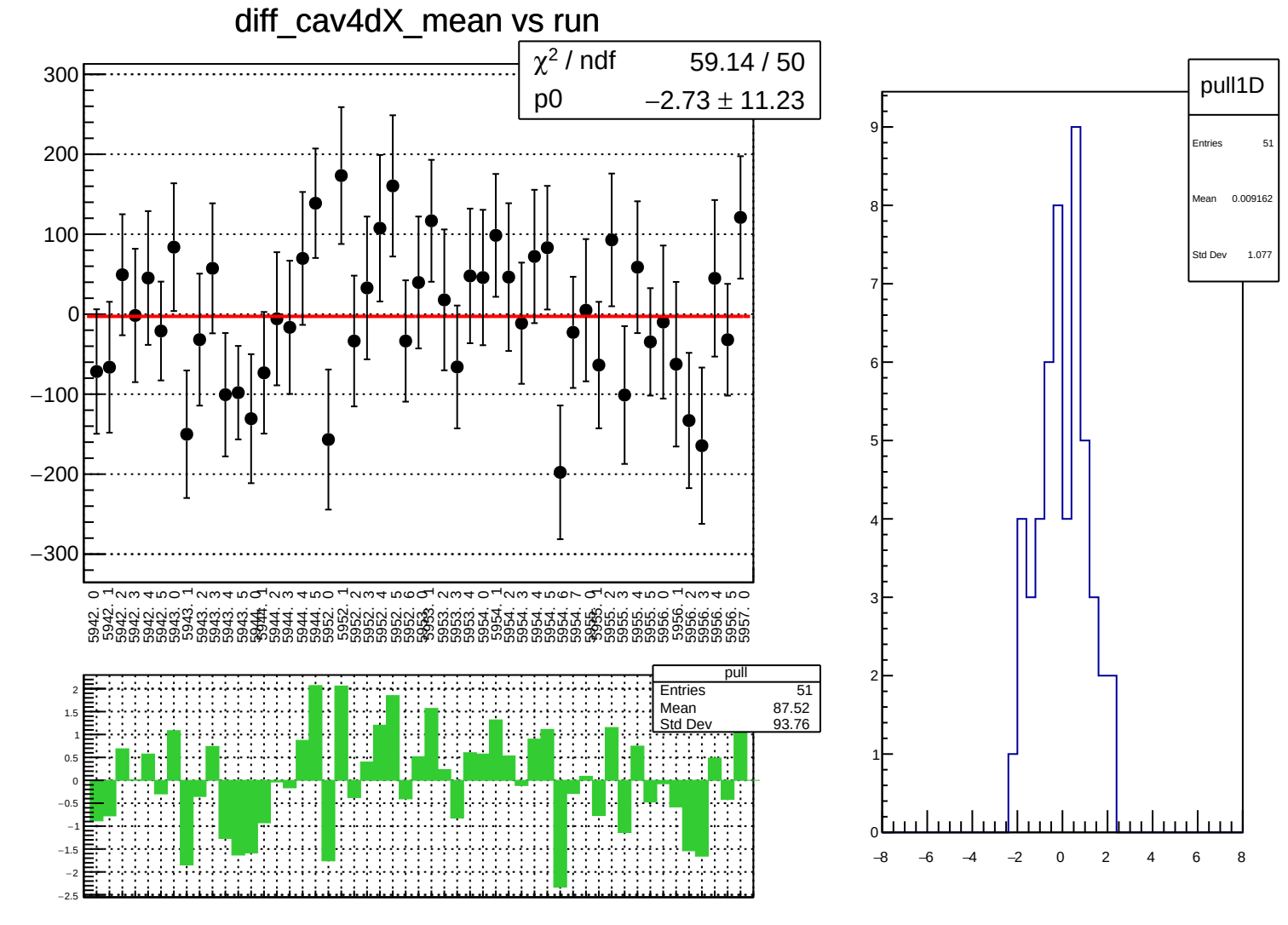

pull1D
Entries 51
Mean 0.01059
Std Dev 1.078

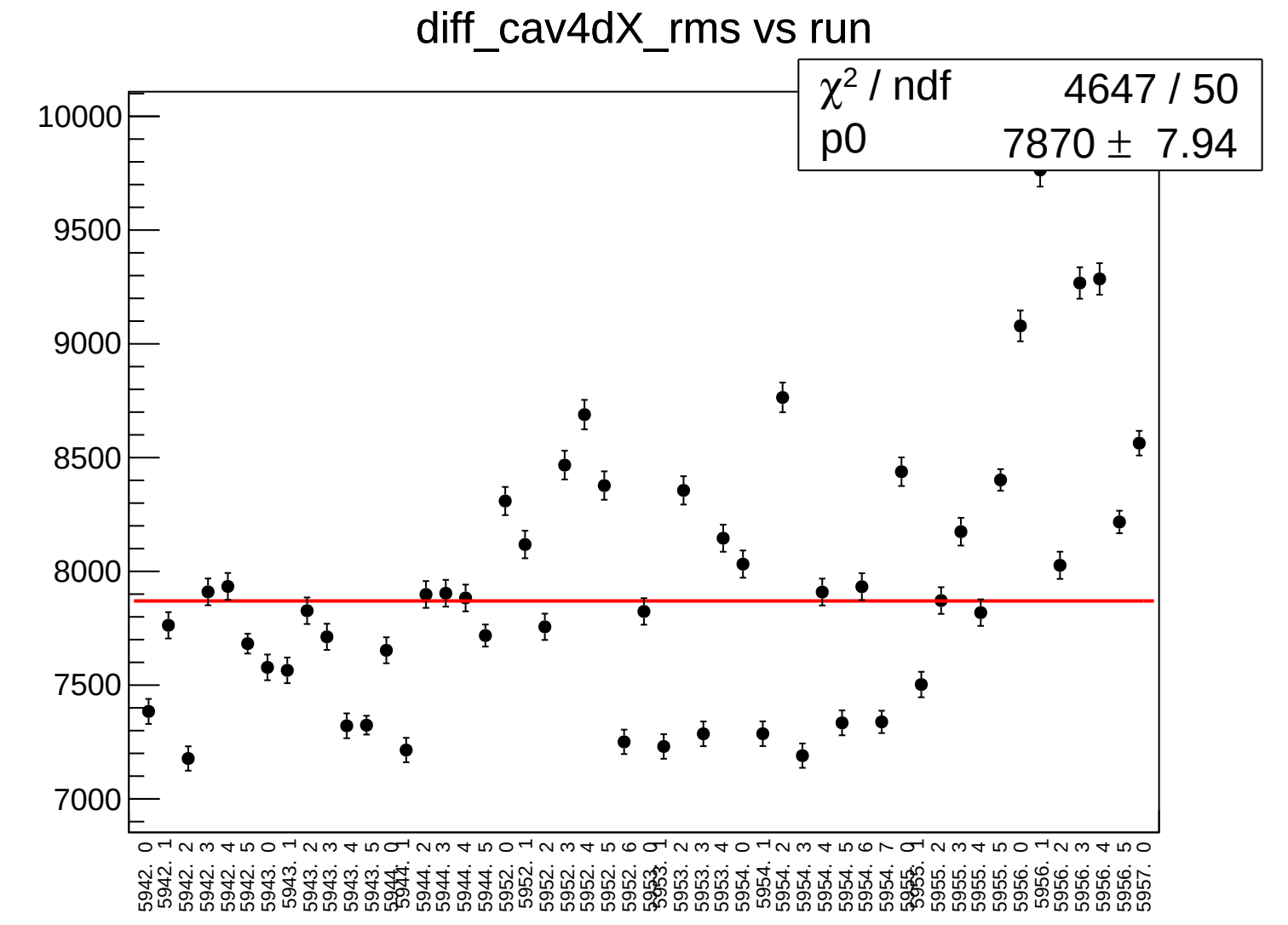

diff_cav4cX_rms vs run
χ² / ndf 4760 / 50
p0 1345 ± 1.357
1700
1600
1500
1400
1300
1200
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 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

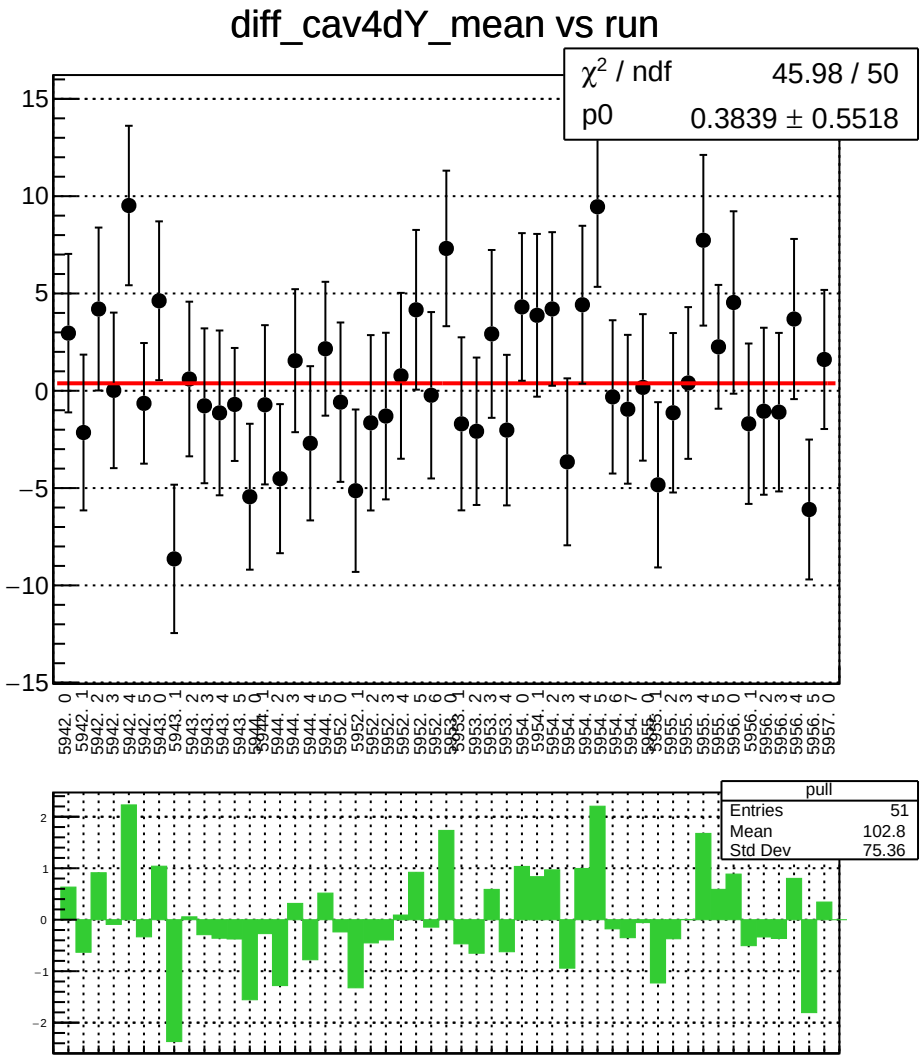

diff_cav4cY_mean vs run
χ² / ndf 46.55 / 50
p0 0.7185 ± 0.9156
pull
Entries 51
Mean 102.2
Std Dev 73.92

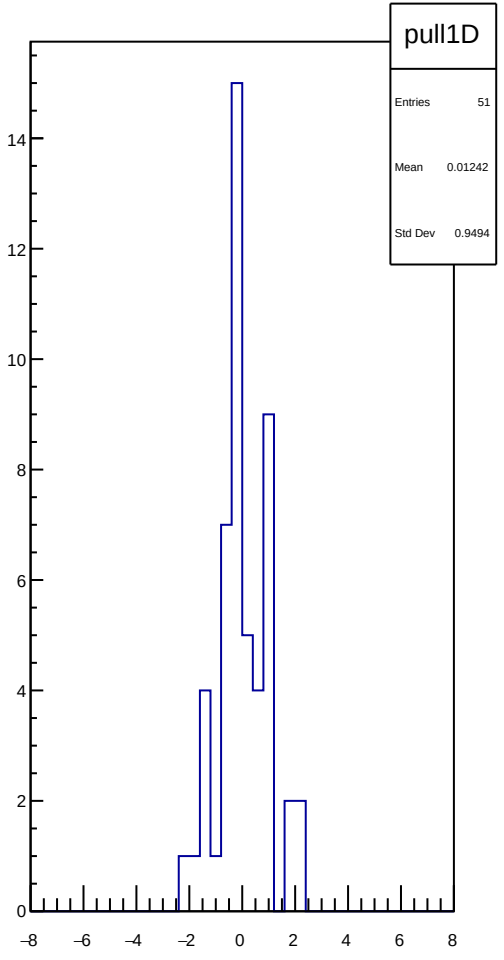

pull1D
Entries 51
Mean 0.01487
Std Dev 0.9552

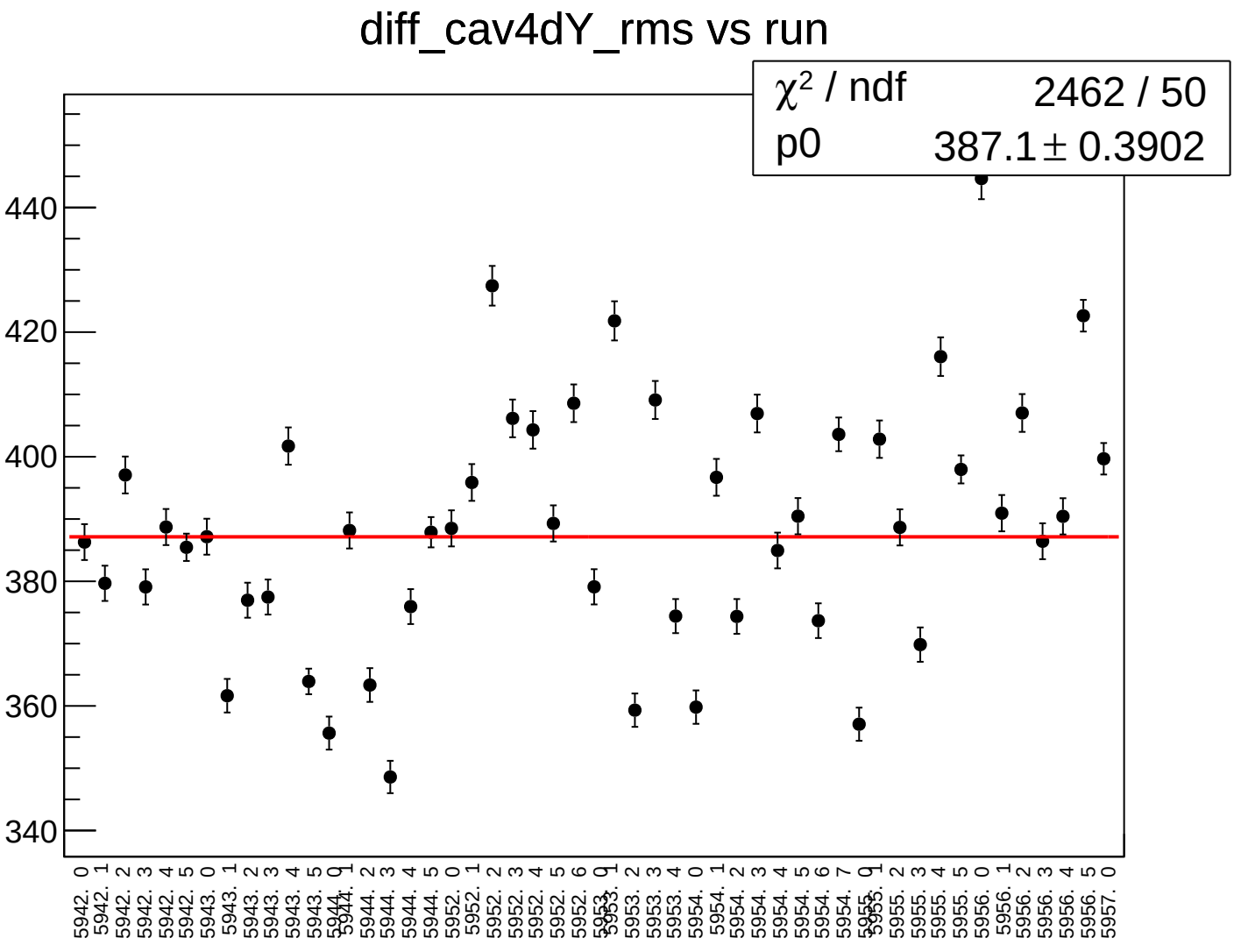

diff_cav4cY_rms vs run
χ² / ndf 3170 / 50
p0 642.2 ± 0.6474
750
700
650
600
550
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 1
5953. 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

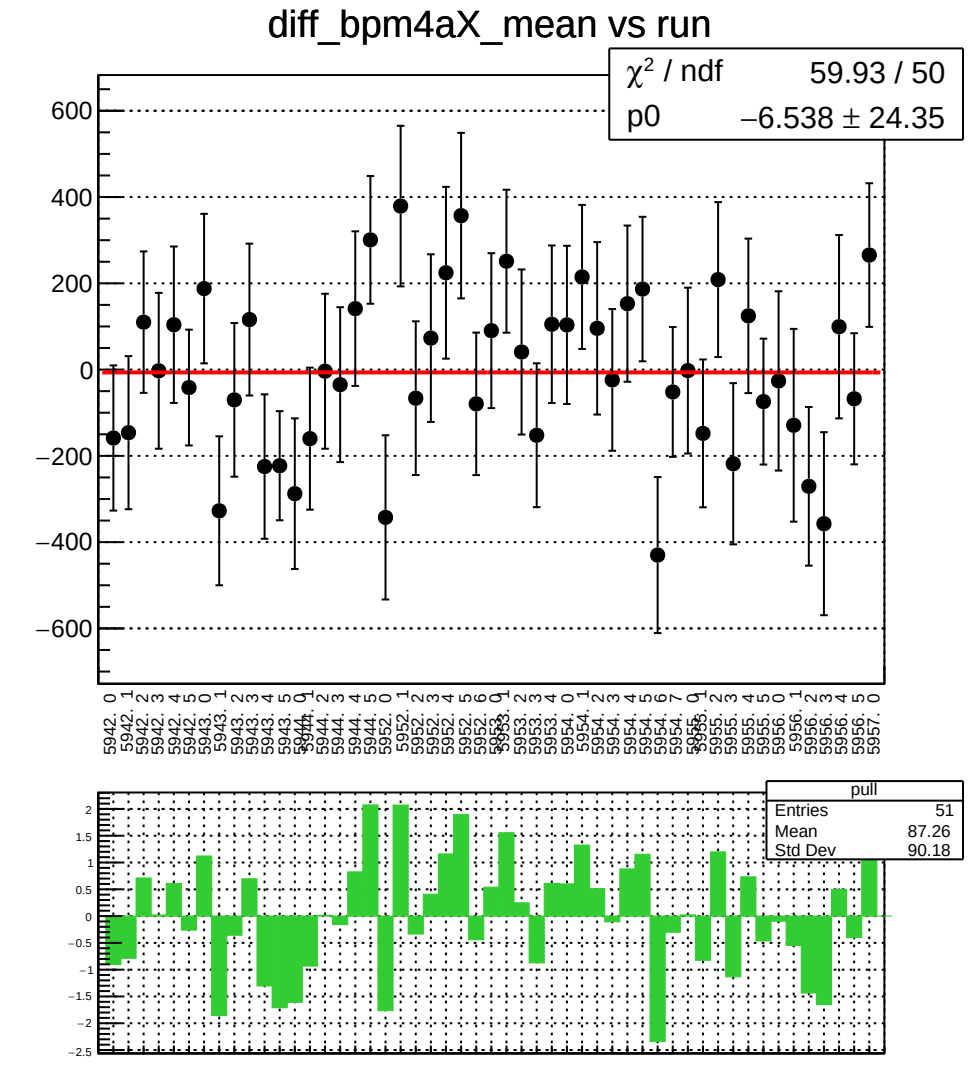

diff_cav4dX_mean vs run
χ² / ndf 59.14 / 50
p0 −2.73 ± 11.23
pull
Entries 51
Mean 87.52
Std Dev 93.76
pull1D
Entries 51
Mean 0.009162
Std Dev 1.077

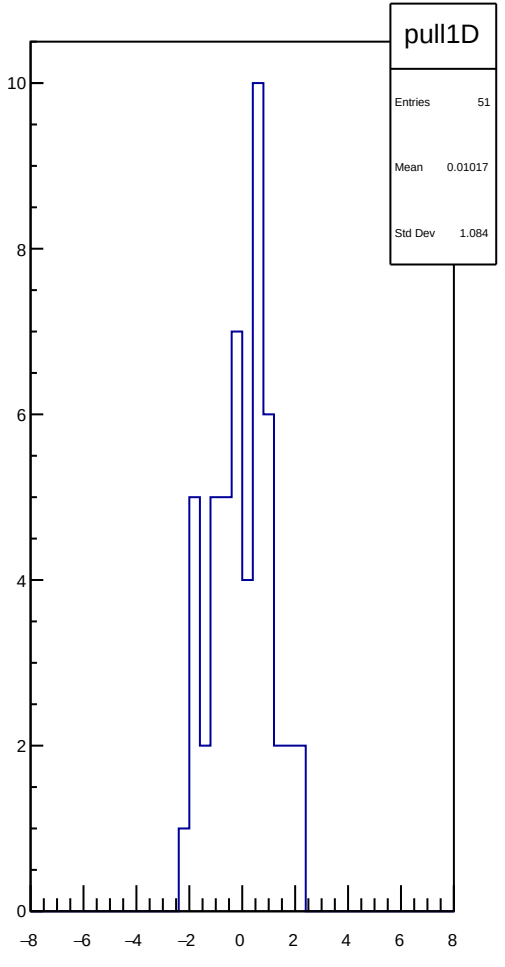

diff_cav4dX_rms vs run
χ² / ndf 4647 / 50
p0 7870 ± 7.94
10000
9500
9000
8500
8000
7500
7000
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
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

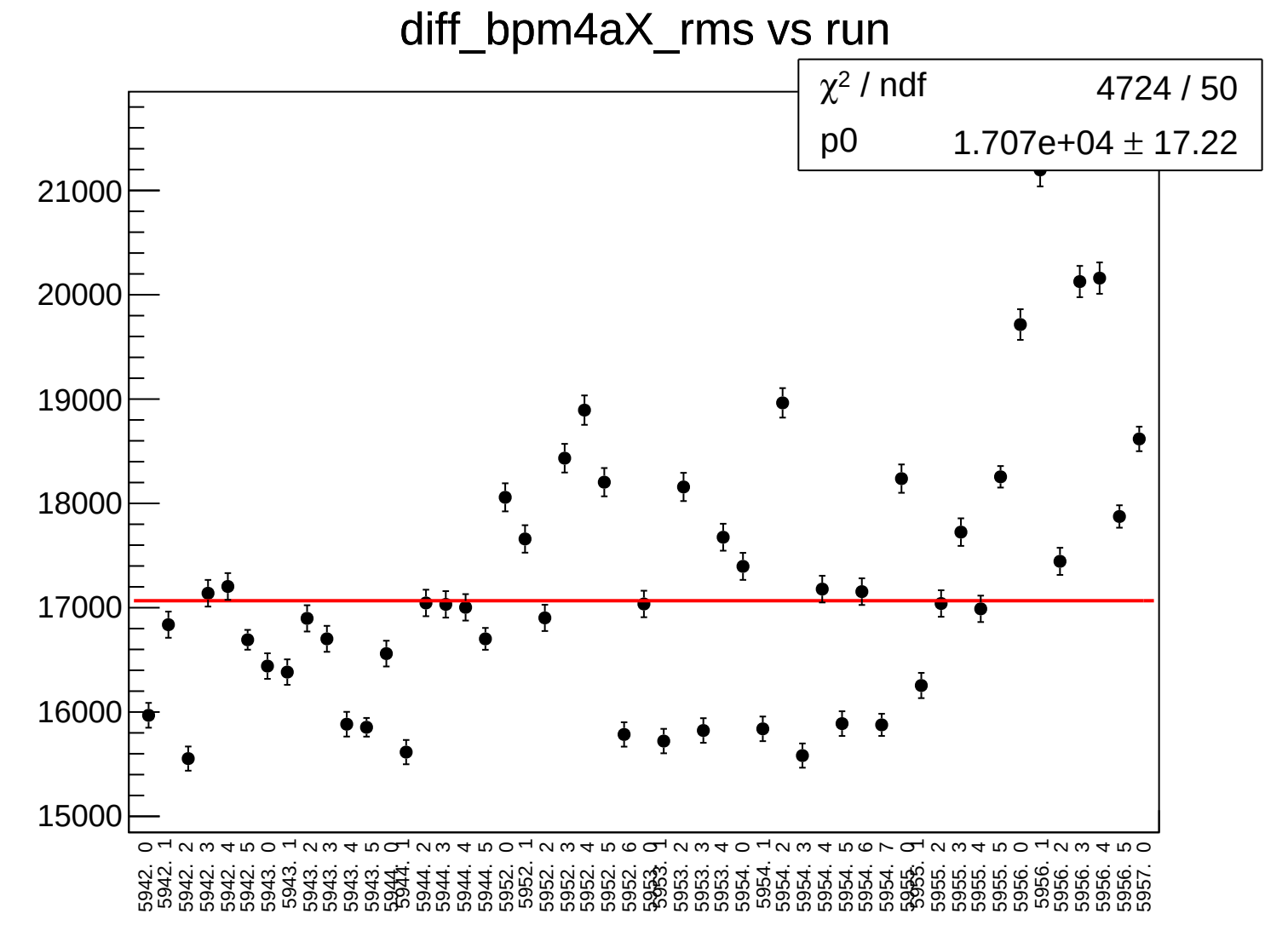

diff_cav4dY_mean vs run
χ² / ndf 45.98 / 50
p0 0.3839 ± 0.5518
pull
Entries 51
Mean 102.8
Std Dev 75.36

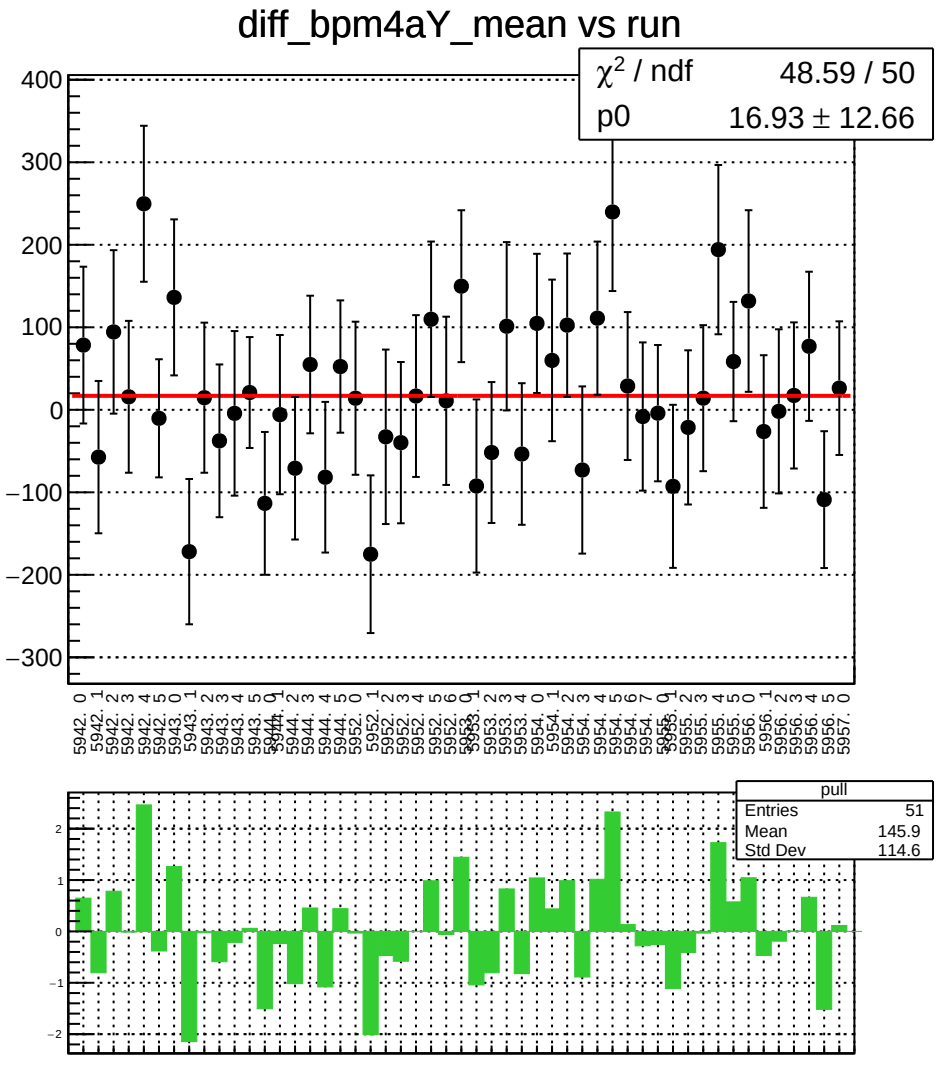

pull1D
Entries 51
Mean 0.01242
Std Dev 0.9494

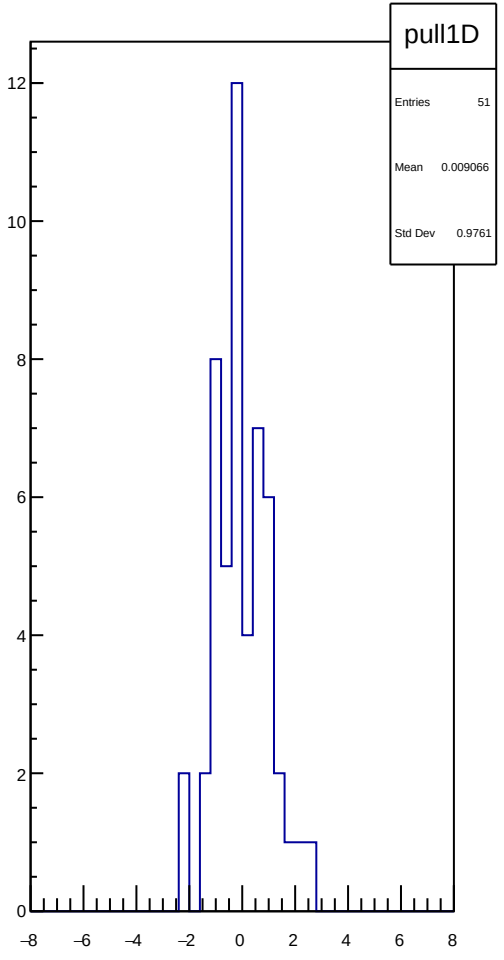

diff_cav4dY_rms vs run
χ² / ndf 2462 / 50
p0 387.1 ± 0.3902
440
420
400
380
360
340
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 1
5953. 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

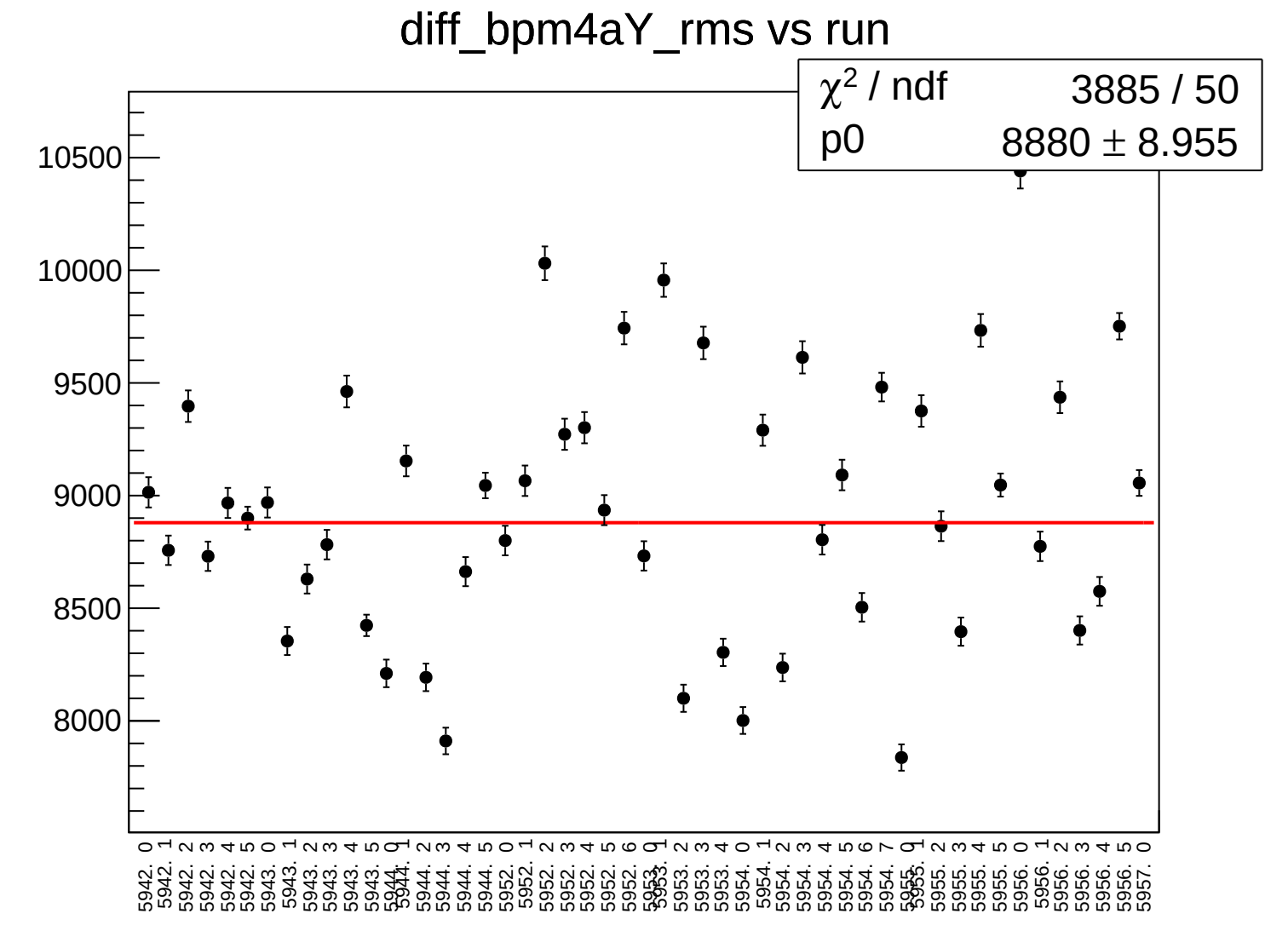

diff_bpm4aX_mean vs run
χ² / ndf 59.93 / 50
p0 −6.538 ± 24.35
pull
Entries 51
Mean 87.26
Std Dev 90.18

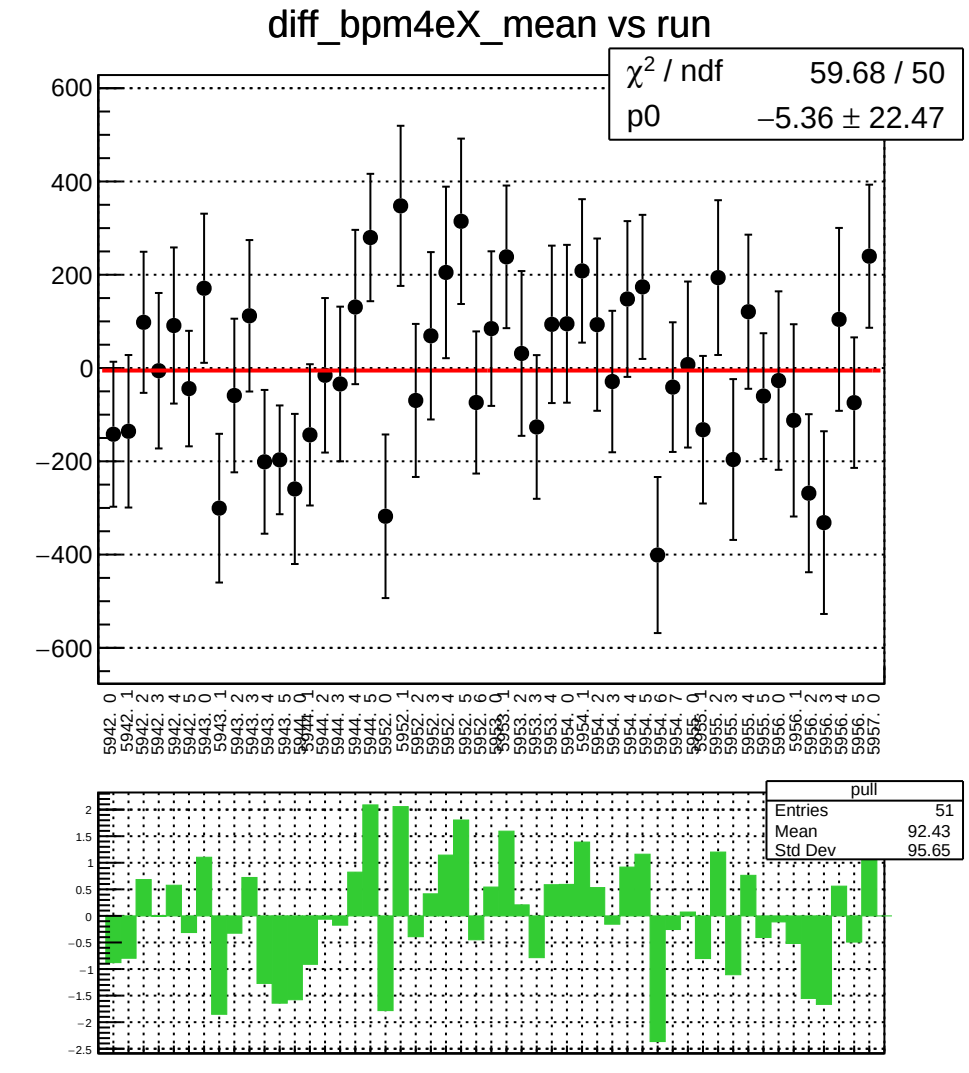

pull1D
Entries 51
Mean 0.01017
Std Dev 1.084

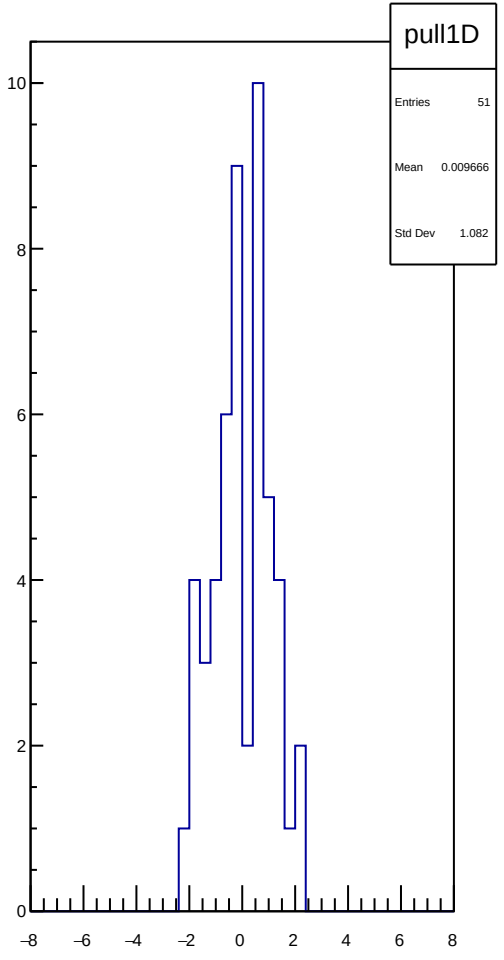

diff_bpm4aX_rms vs run
χ² / ndf 4724 / 50
p0 1.707e+04 ± 17.22
21000
20000
19000
18000
17000
16000
15000
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 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

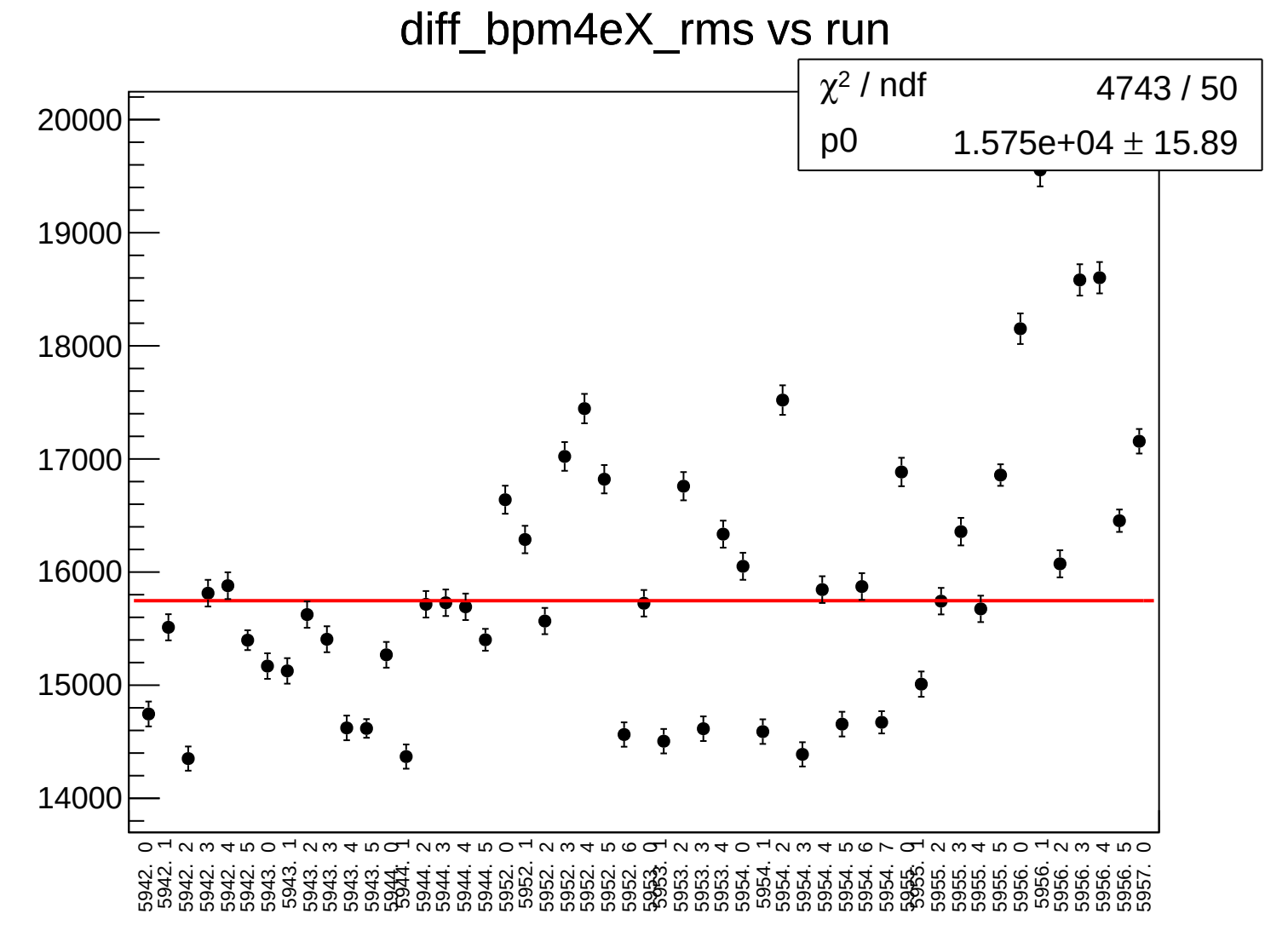

diff_bpm4aY_mean vs run
χ² / ndf 48.59 / 50
p0 16.93 ± 12.66
pull
Entries 51
Mean 145.9
Std Dev 114.6

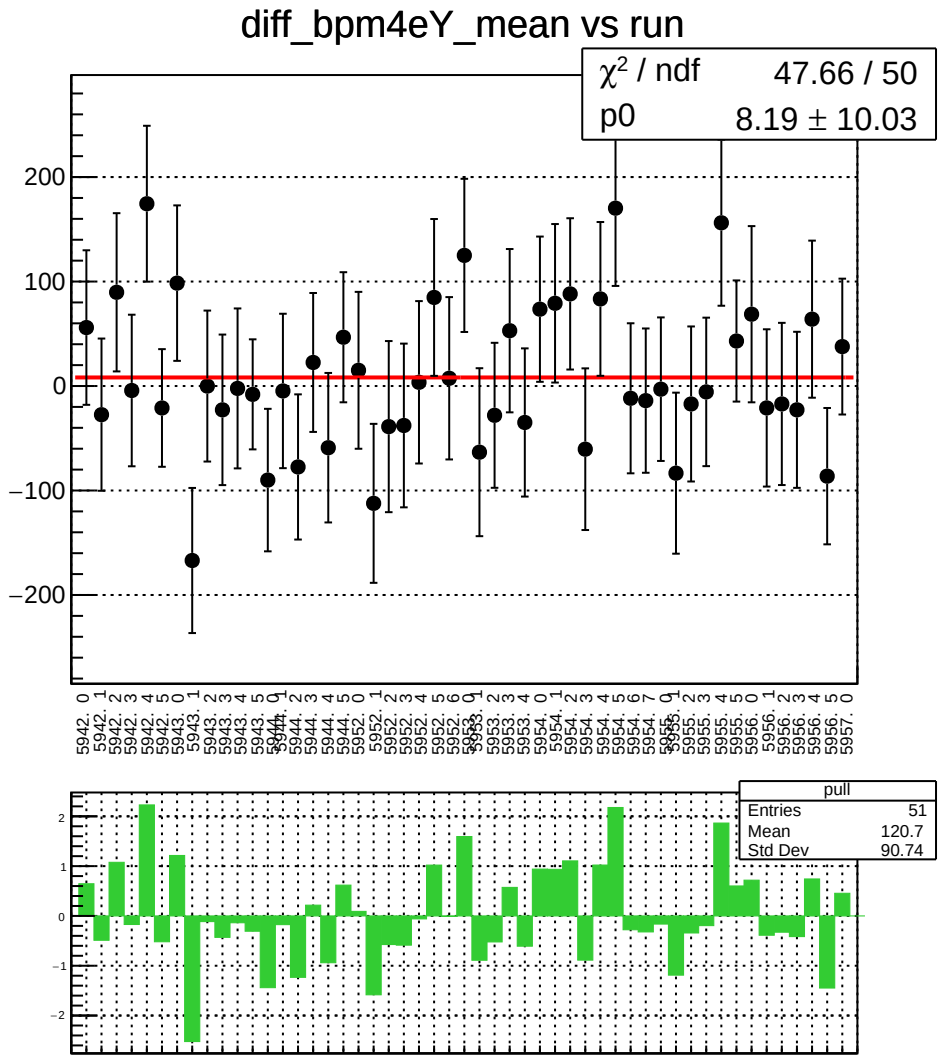

pull1D
Entries 51
Mean 0.009066
Std Dev 0.9761

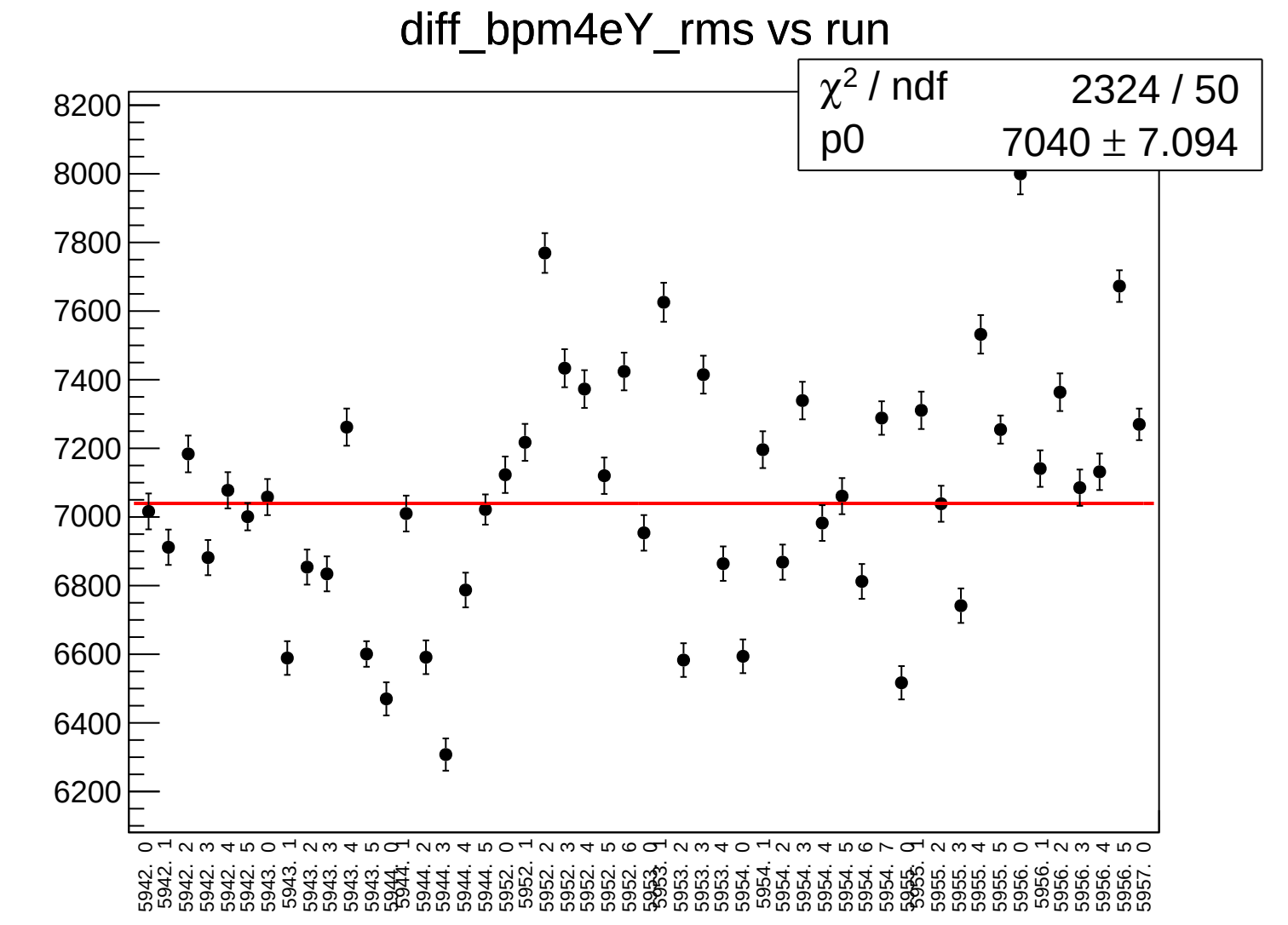

diff_bpm4aY_rms vs run
χ² / ndf 3885 / 50
p0 8880 ± 8.955
10500
10000
9500
9000
8500
8000
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 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

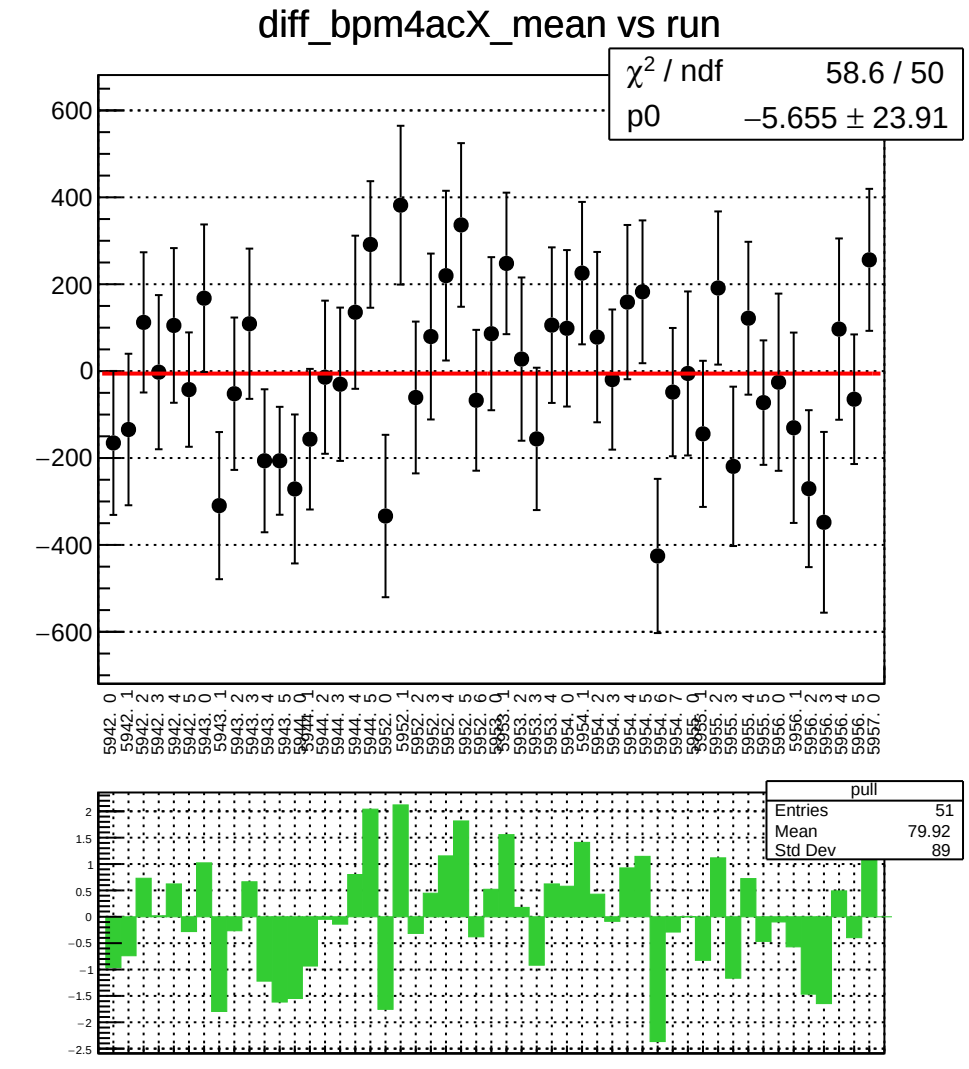

diff_bpm4eX_mean vs run
χ² / ndf 59.68 / 50
p0 −5.36 ± 22.47
pull
Entries 51
Mean 92.43
Std Dev 95.65

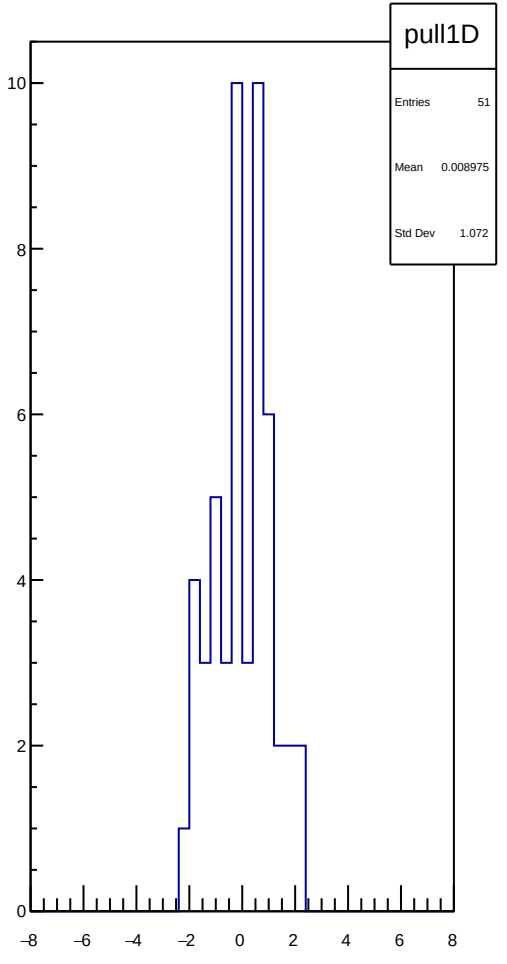

pull1D
Entries 51
Mean 0.009666
Std Dev 1.082

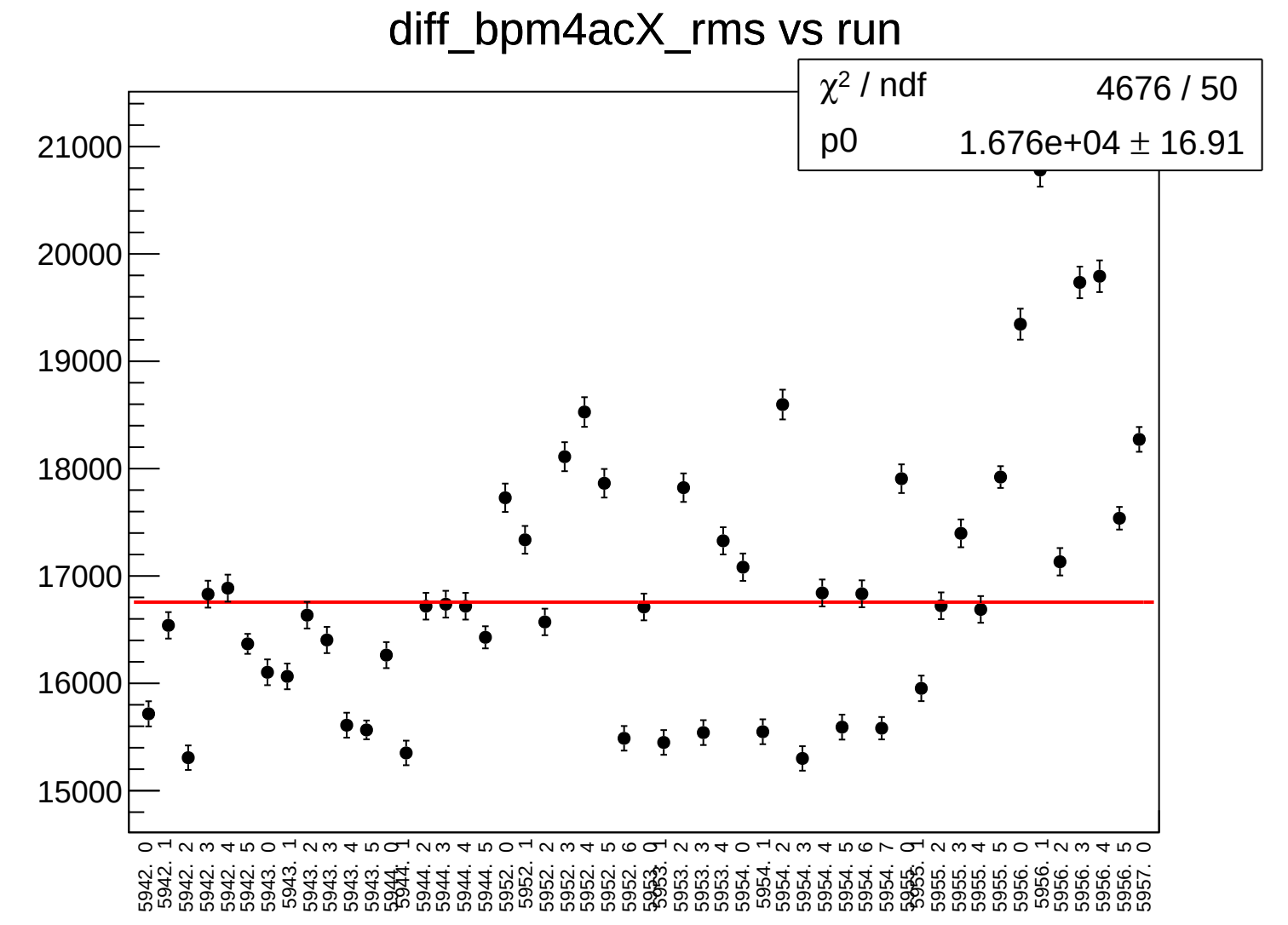

diff_bpm4eX_rms vs run
χ² / ndf 4743 / 50
p0 1.575e+04 ± 15.89
20000
19000
18000
17000
16000
15000
14000
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 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

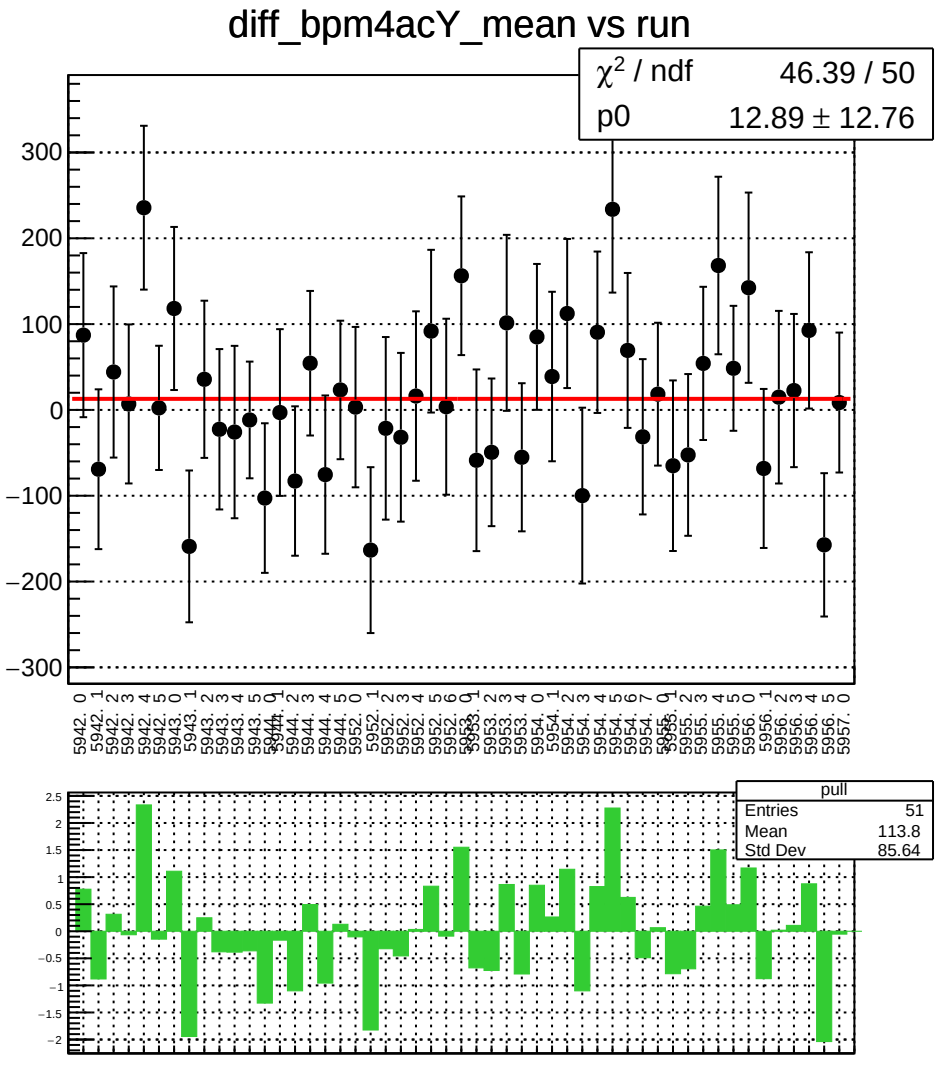

diff_bpm4eY_mean vs run
χ² / ndf 47.66 / 50
p0 8.19 ± 10.03
200
100
0
−100
−200
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5952. 9
5953. 1
5953. 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
5956. 0
5957. 0
pull
Entries 51
Mean 120.7
Std Dev 90.74
2
1
0
−1
−2
pull1D
Entries 51
Mean 0.01135
Std Dev 0.9666
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

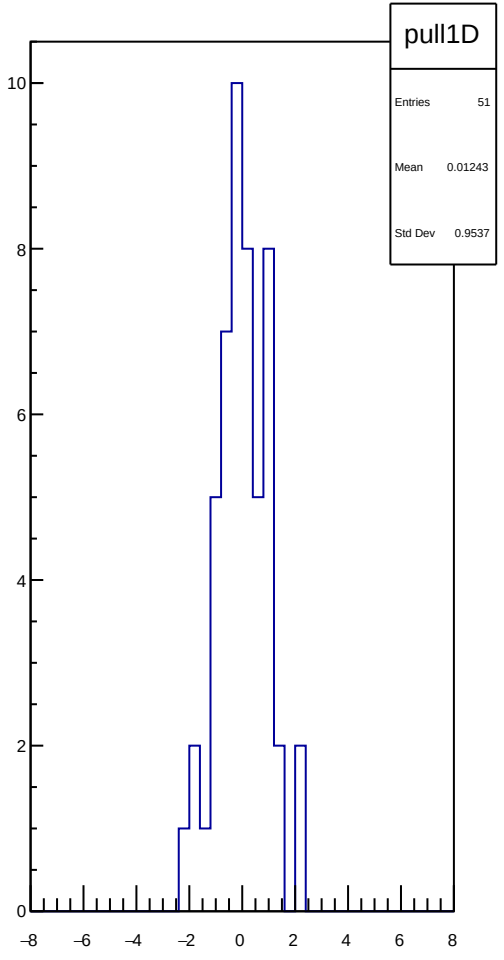

diff_bpm4eY_rms vs run
χ² / ndf 2324 / 50
p0 7040 ± 7.094
8200
8000
7800
7600
7400
7200
7000
6800
6600
6400
6200
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 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

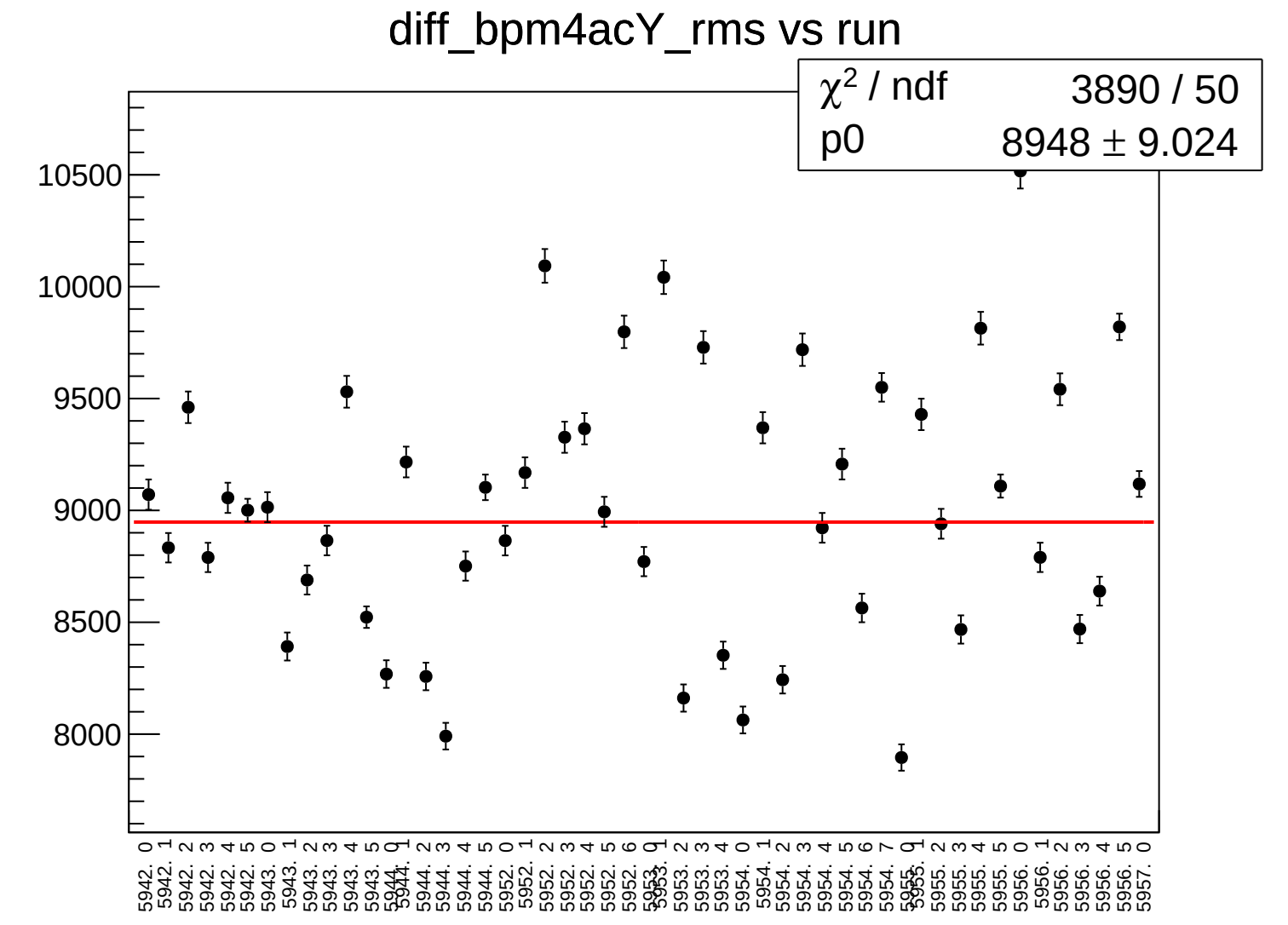

diff_bpm4acX_mean vs run
χ^2 / ndf 58.6 / 50
p0 −5.655 ± 23.91
600
400
200
0
−200
−400
−600
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5952. 9
5953. 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
pull
Entries 51
Mean 79.92
Std Dev 89
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

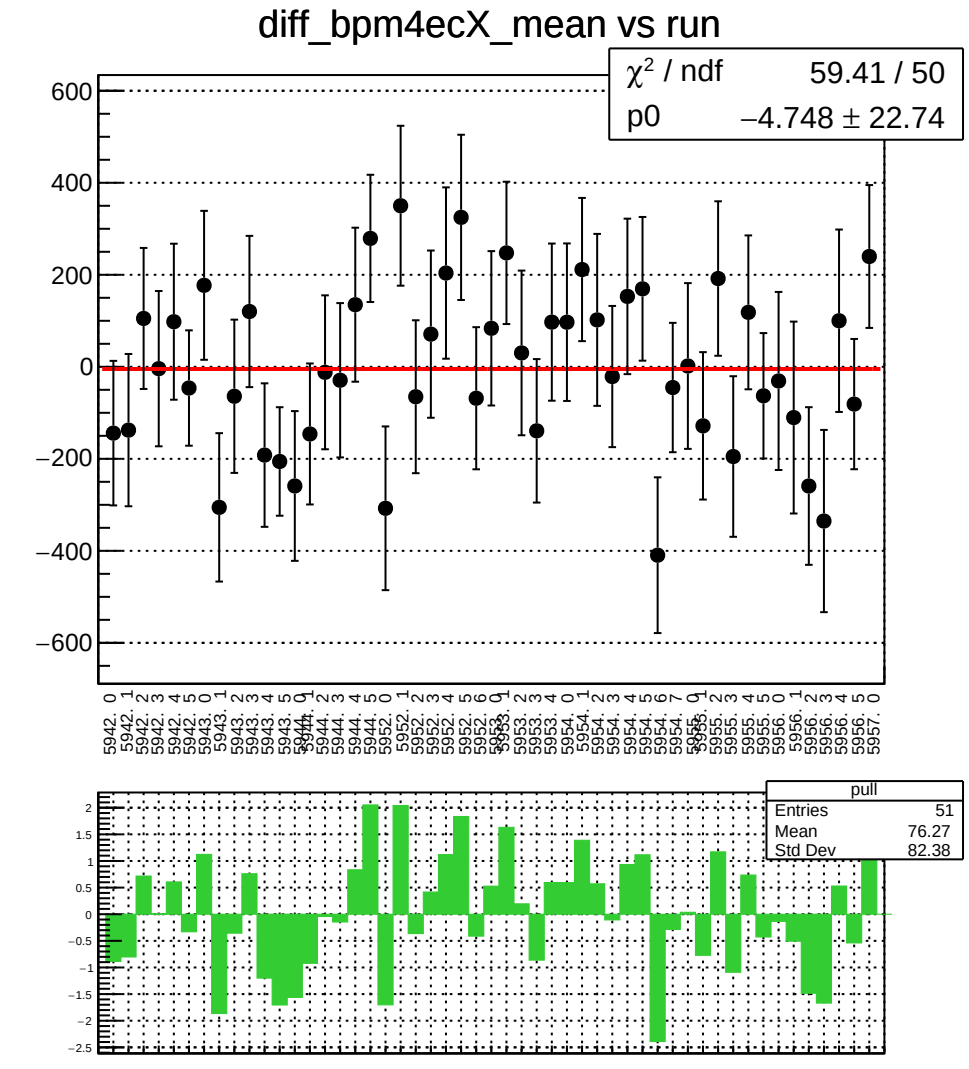

pull1D
Entries 51
Mean 0.008975
Std Dev 1.072
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

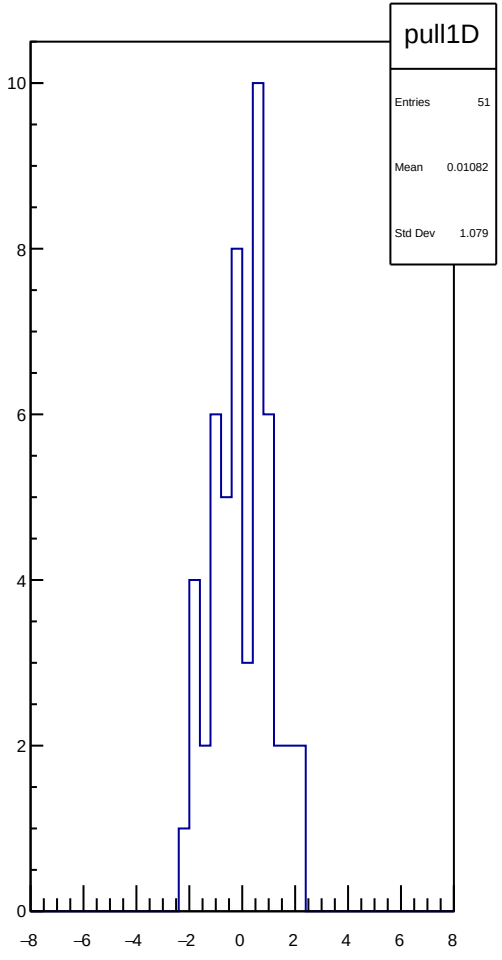

diff_bpm4acX_rms vs run
χ² / ndf 4676 / 50
p0 1.676e+04 ± 16.91
21000
20000
19000
18000
17000
16000
15000
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 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

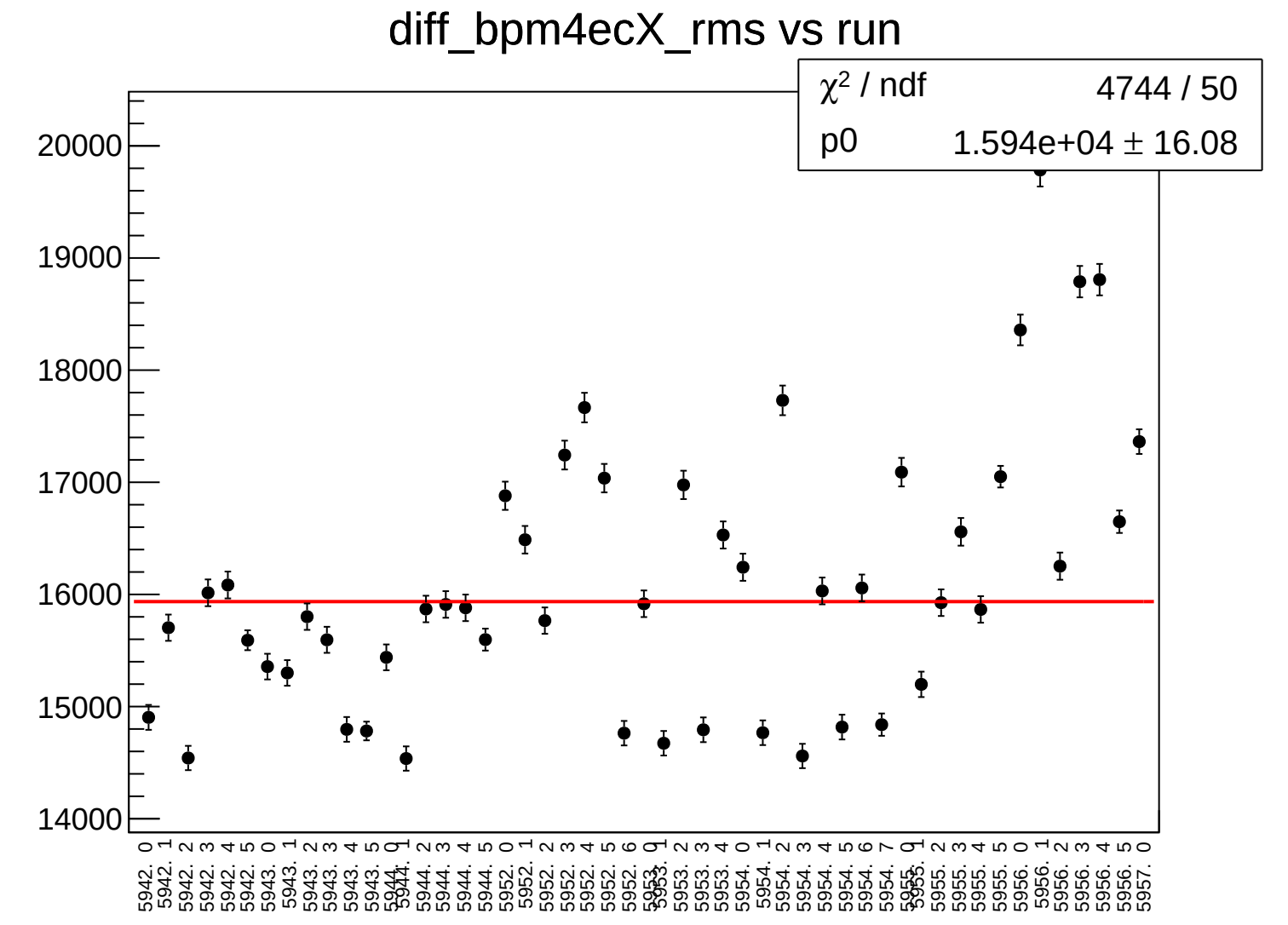

diff_bpm4acY_mean vs run
χ² / ndf 46.39 / 50
p0 12.89 ± 12.76
pull
Entries 51
Mean 113.8
Std Dev 85.64

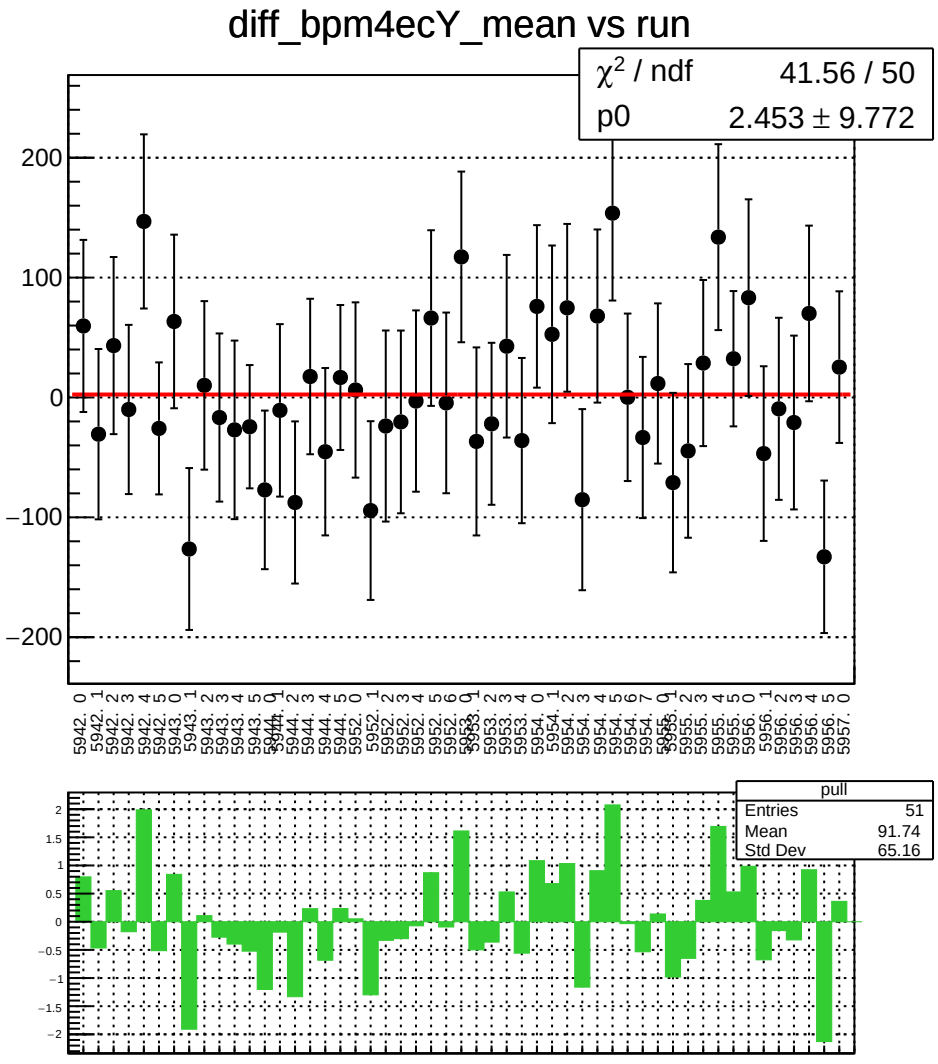

pull1D
Entries 51
Mean 0.01243
Std Dev 0.9537

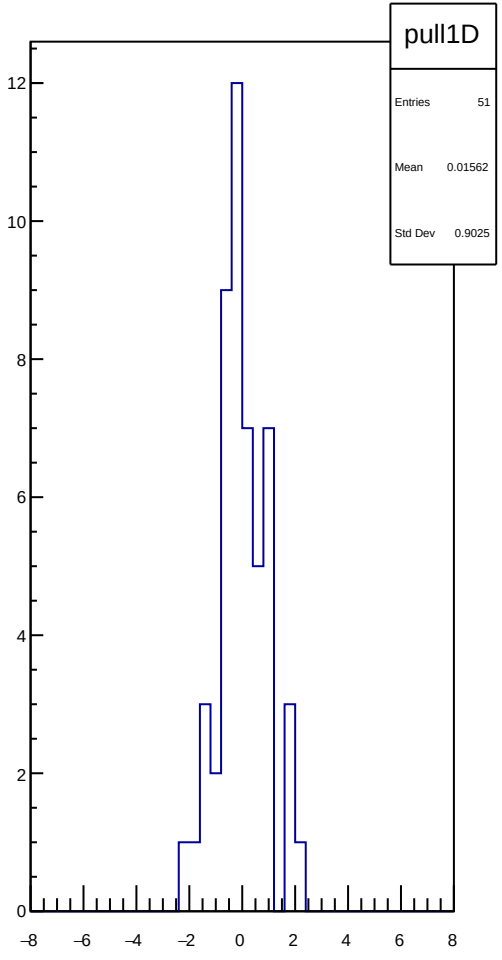

diff_bpm4acY_rms vs run
χ² / ndf 3890 / 50
p0 8948 ± 9.024
10500
10000
9500
9000
8500
8000
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 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

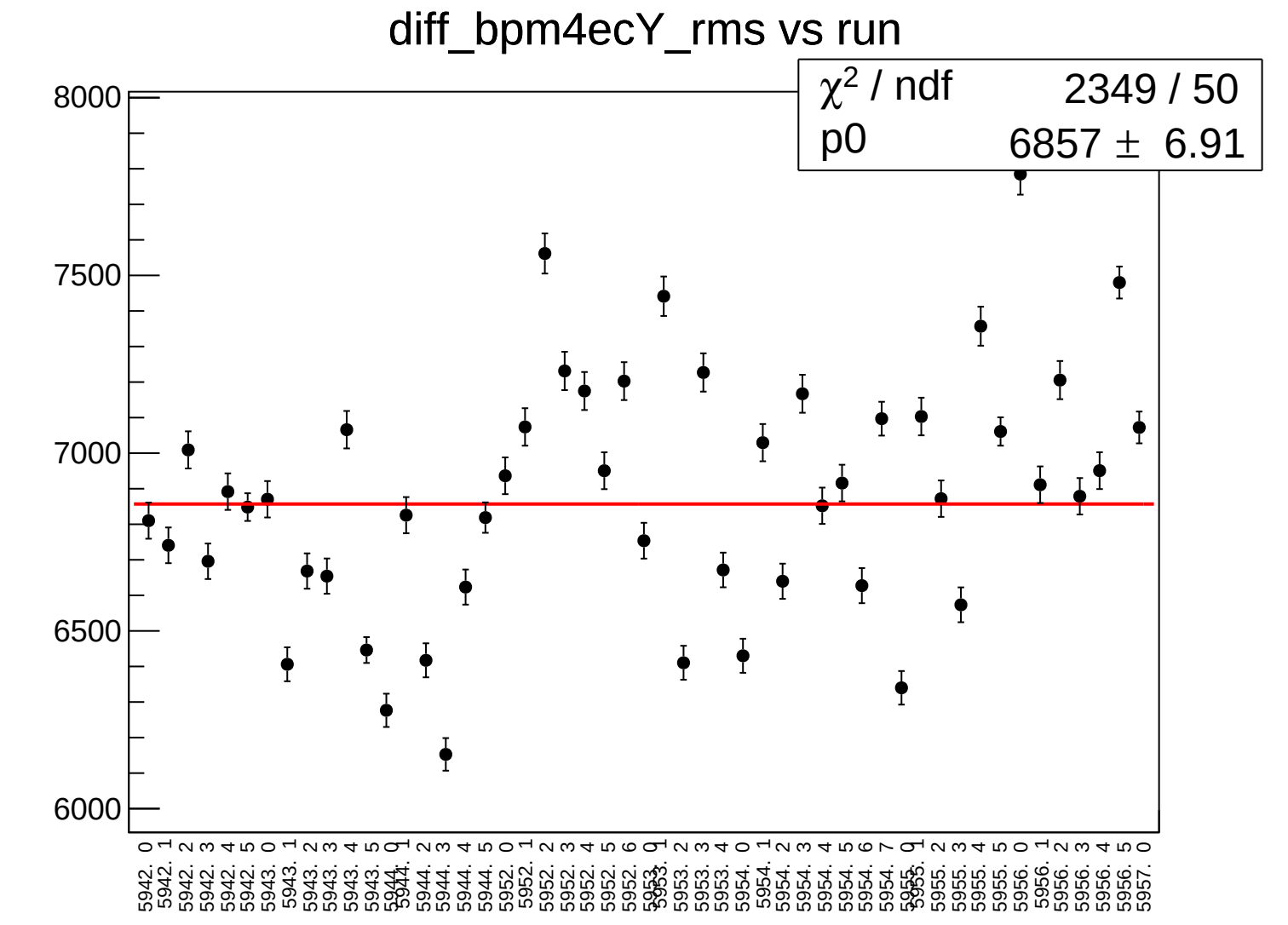

diff_bpm4ecX_mean vs run
χ² / ndf 59.41 / 50
p0 −4.748 ± 22.74
pull
Entries 51
Mean 76.27
Std Dev 82.38

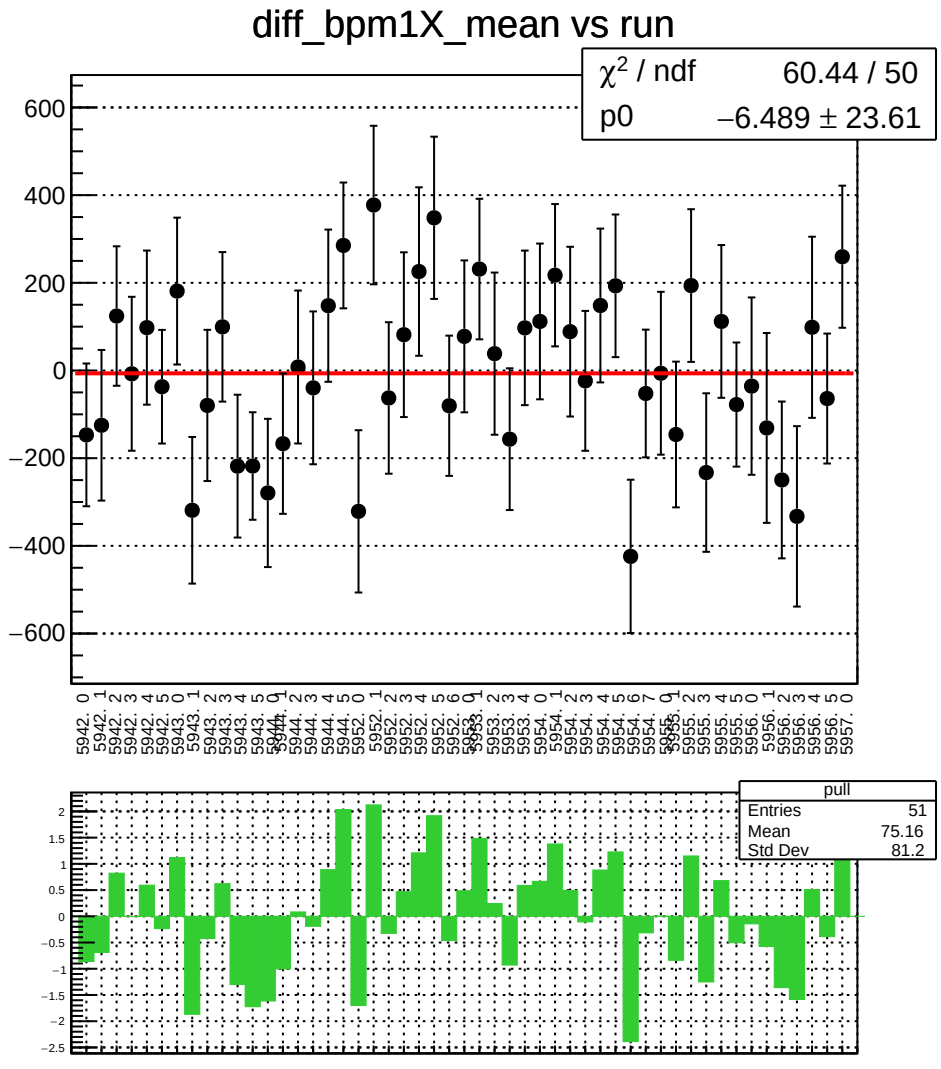

pull1D
Entries 51
Mean 0.01082
Std Dev 1.079

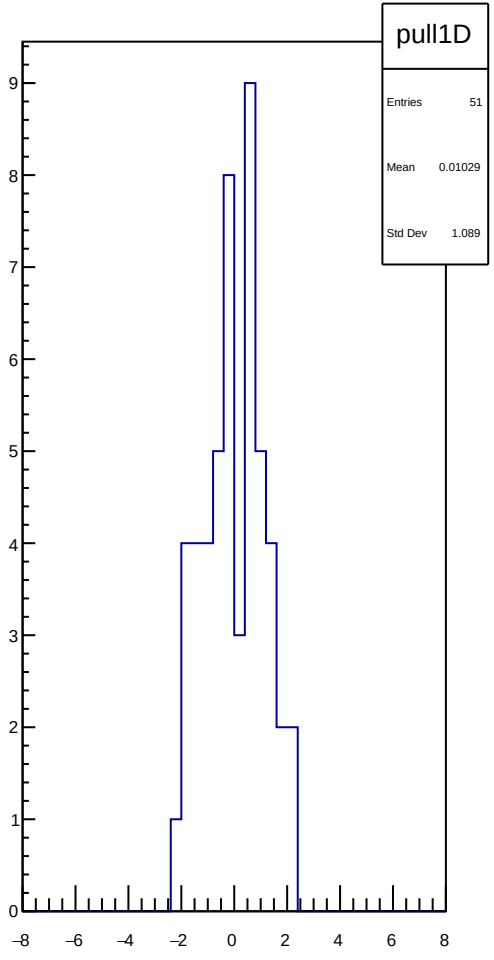

diff_bpm4ecX_rms vs run
χ² / ndf 4744 / 50
p0 1.594e+04 ± 16.08
20000
19000
18000
17000
16000
15000
14000
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 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

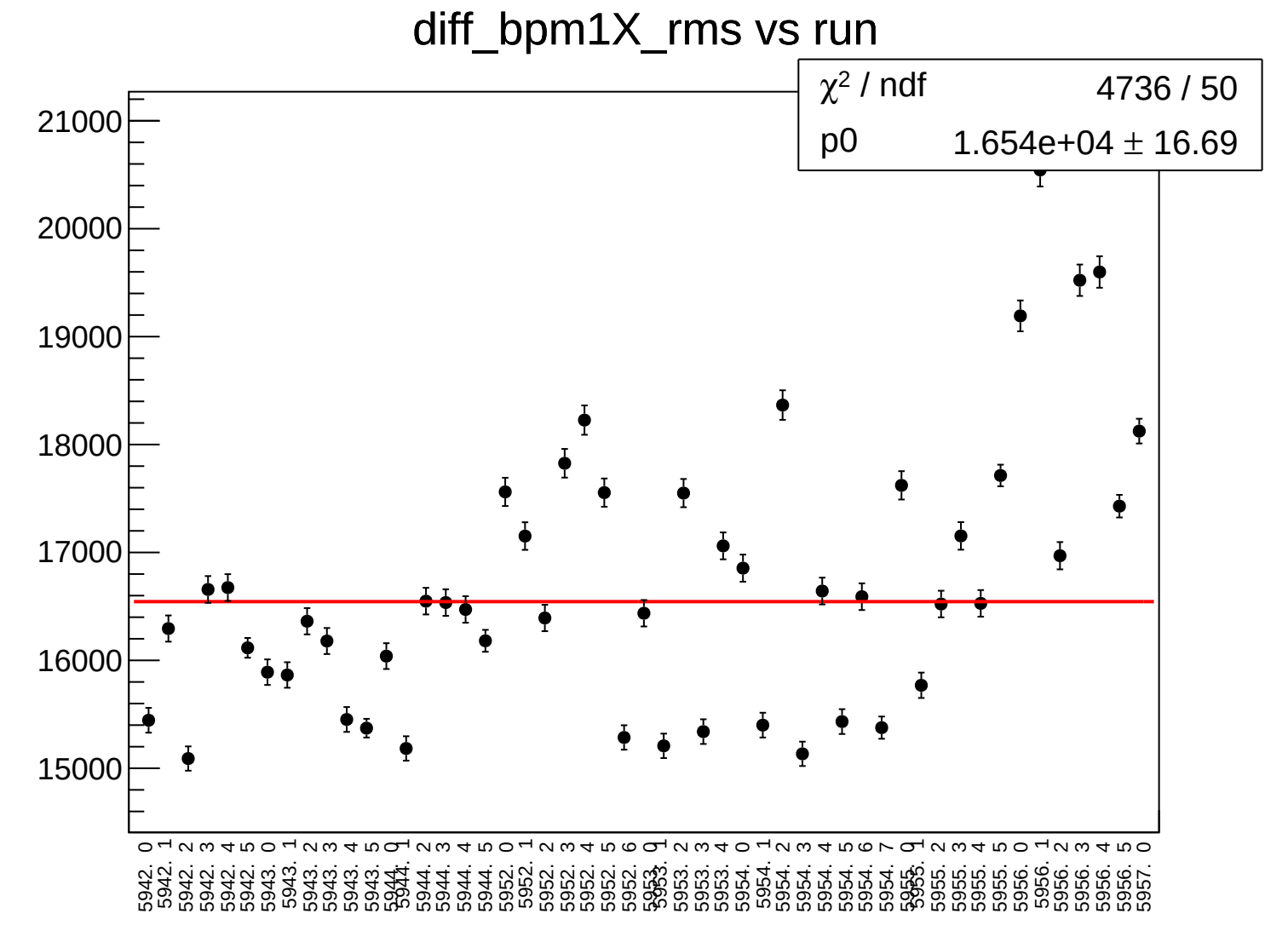

diff_bpm4ecY_mean vs run
χ² / ndf 41.56 / 50
p0 2.453 ± 9.772
pull
Entries 51
Mean 91.74
Std Dev 65.16

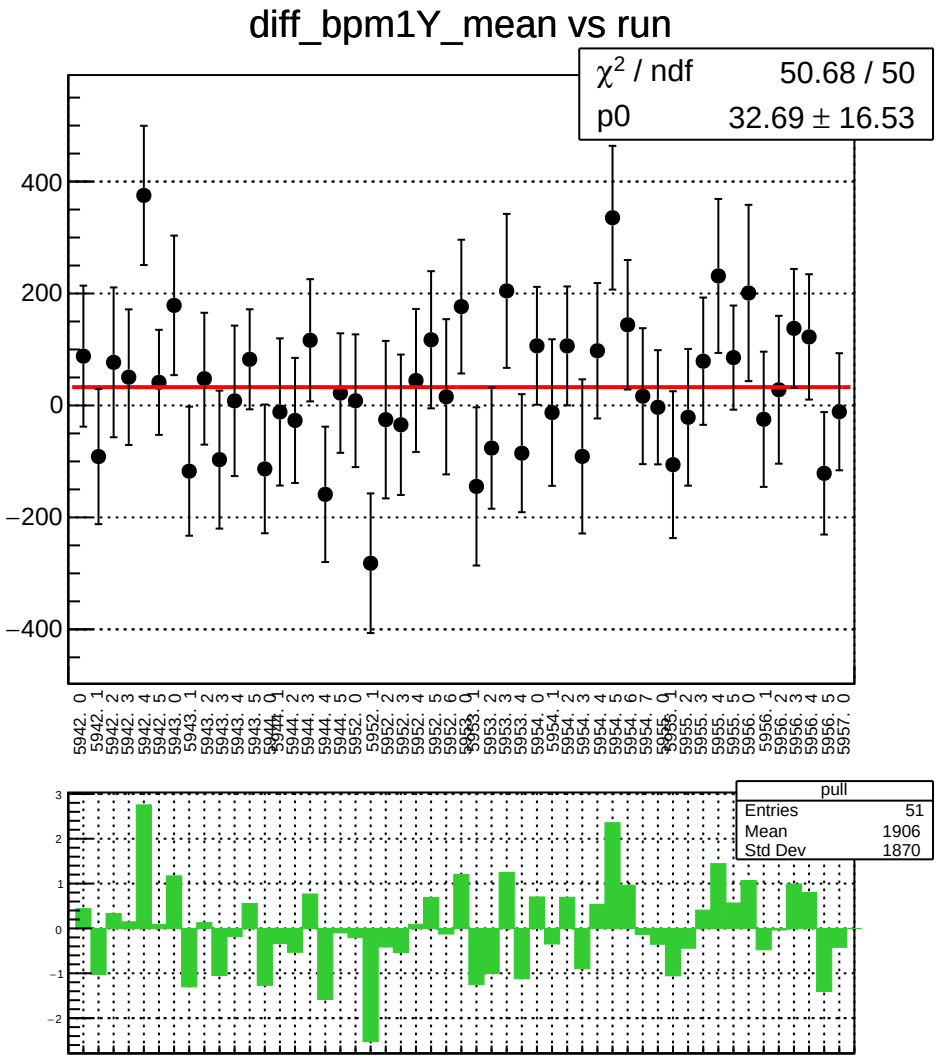

pull1D
Entries 51
Mean 0.01562
Std Dev 0.9025

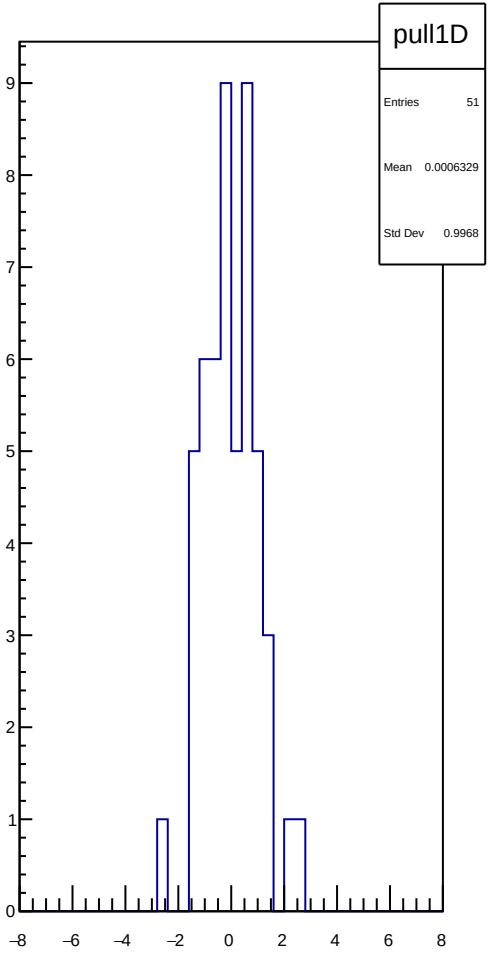

diff_bpm4ecY_rms vs run
χ² / ndf 2349 / 50
p0 6857 ± 6.91
8000
7500
7000
6500
6000
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 1
5953. 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

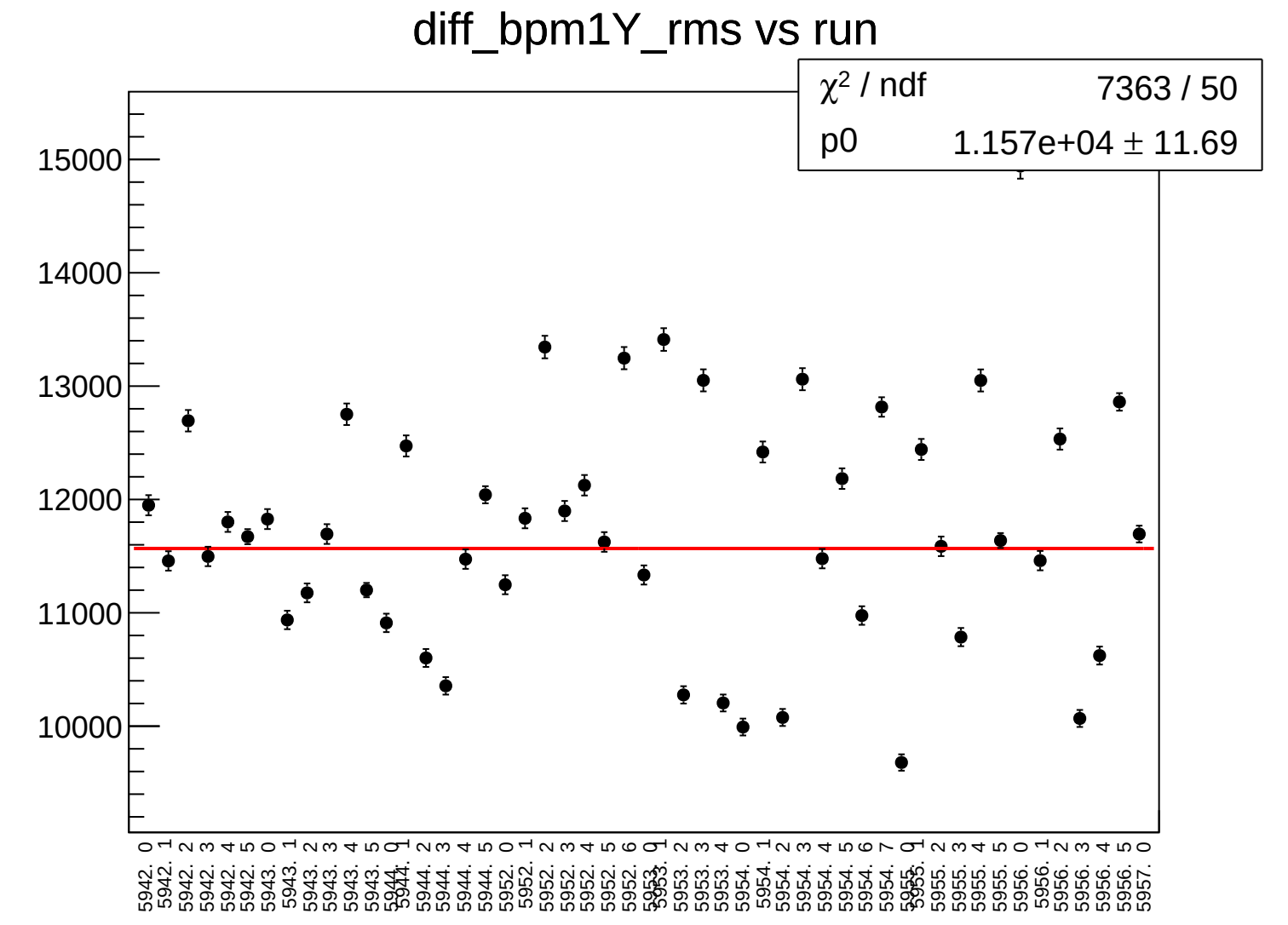

diff_bpm1X_mean vs run
χ² / ndf 60.44 / 50
p0 −6.489 ± 23.61
pull
Entries 51
Mean 75.16
Std Dev 81.2

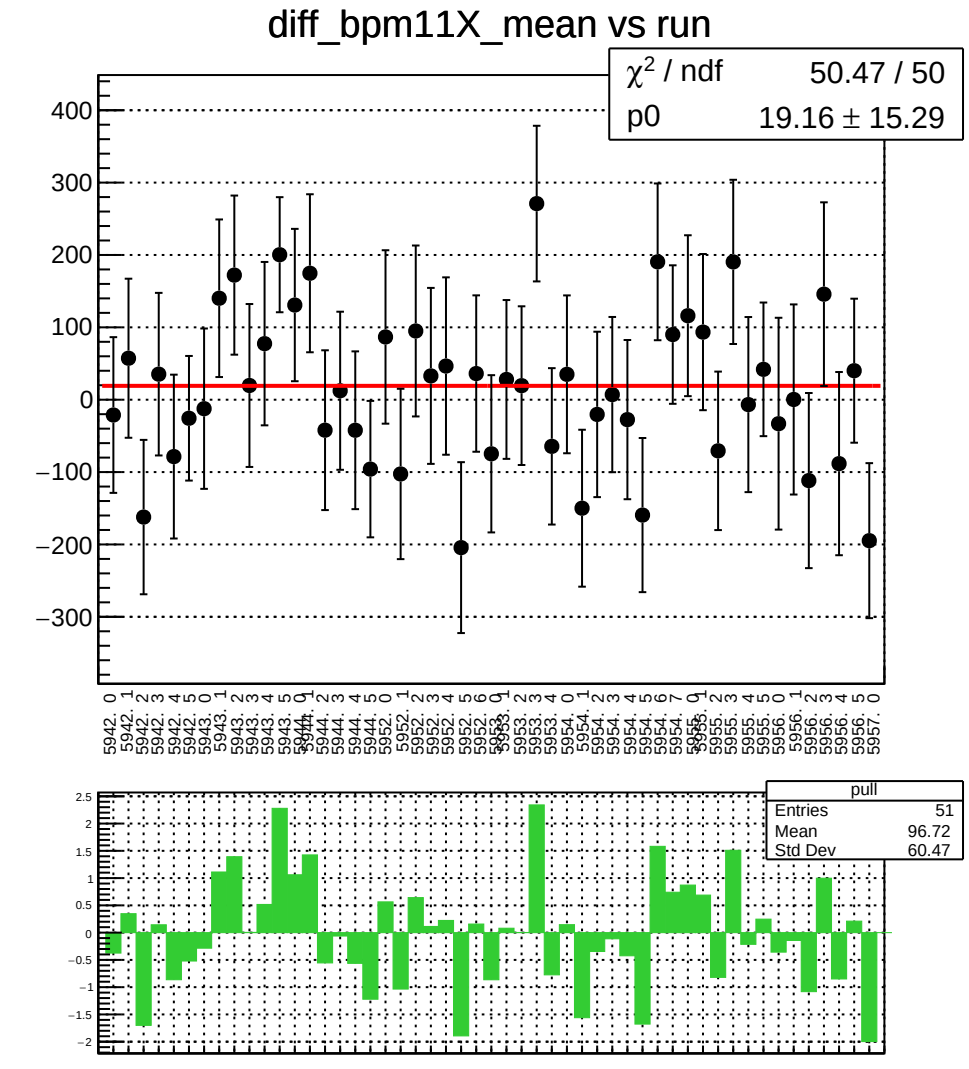

pull1D
Entries 51
Mean 0.01029
Std Dev 1.089

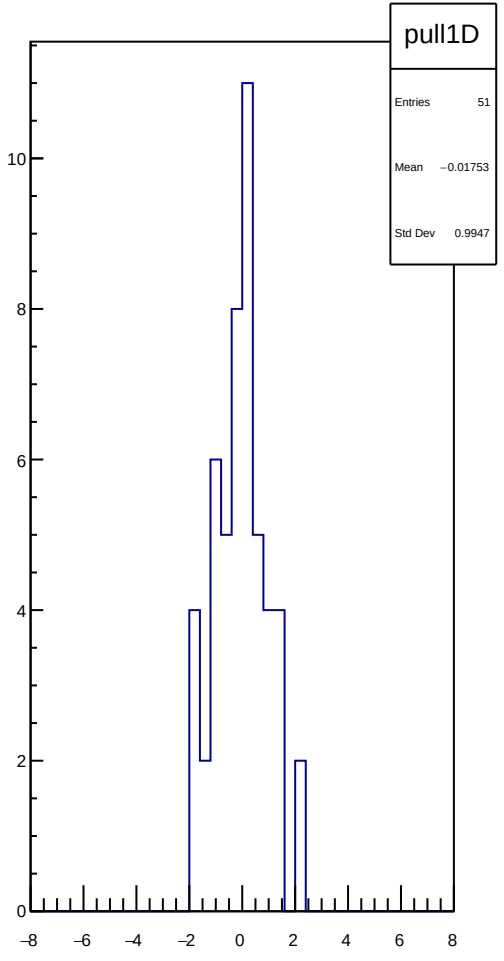

diff_bpm1X_rms vs run
χ² / ndf 4736 / 50
p0 1.654e+04 ± 16.69
21000
20000
19000
18000
17000
16000
15000
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 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

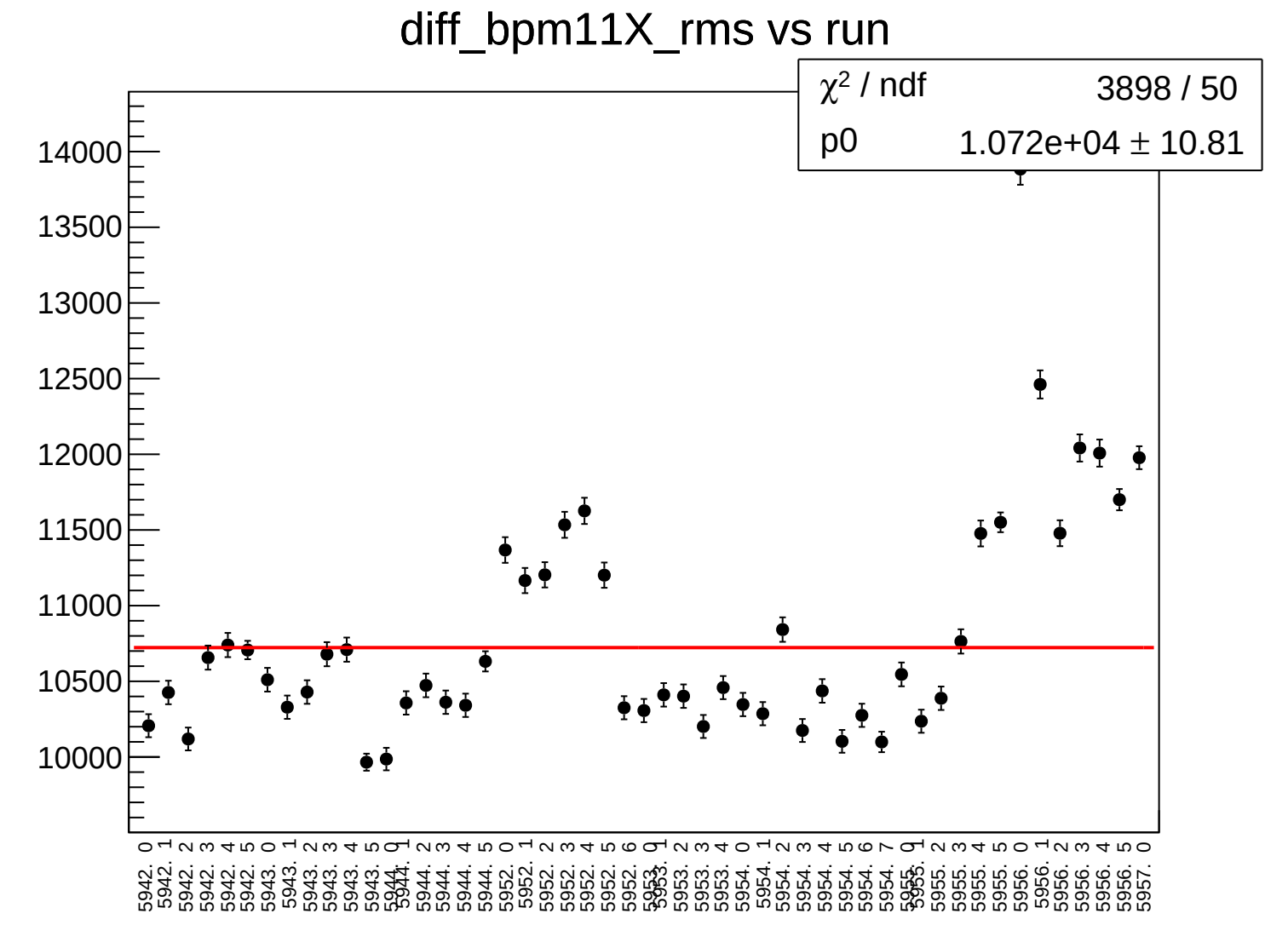

diff_bpm1Y_mean vs run
χ² / ndf 50.68 / 50
p0 32.69 ± 16.53
400
200
0
−200
−400
pull
Entries 51
Mean 1906
Std Dev 1870
3
2
1
0
−1
−2

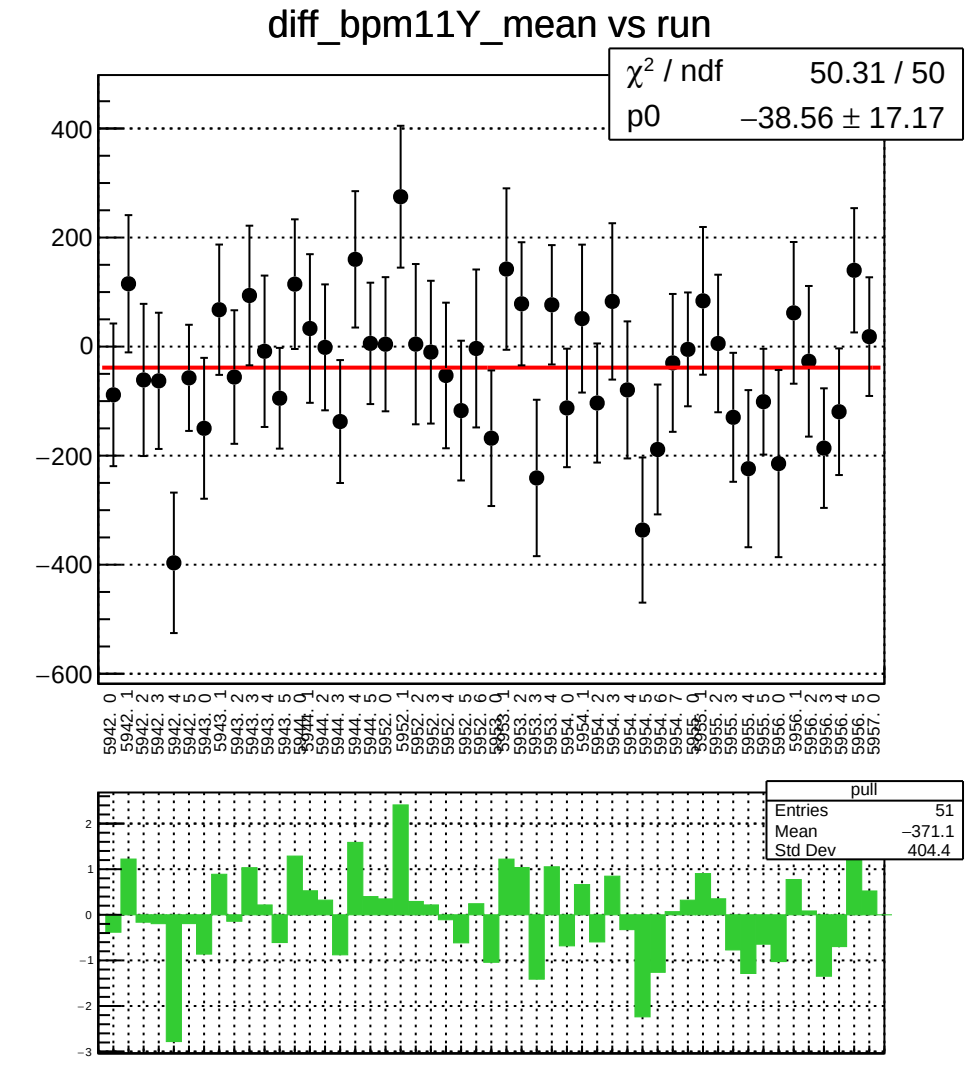

pull1D
Entries 51
Mean 0.0006329
Std Dev 0.9968
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

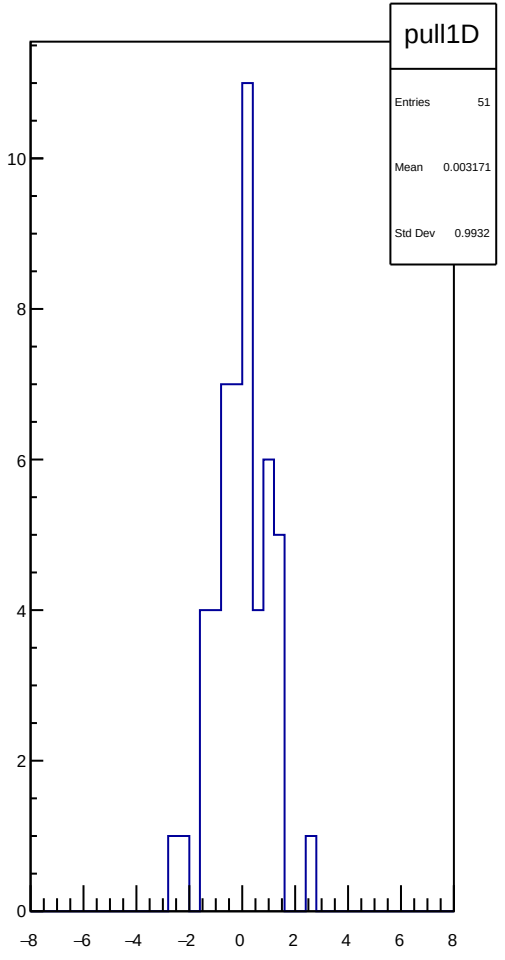

diff_bpm1Y_rms vs run
χ² / ndf 7363 / 50
p0 1.157e+04 ± 11.69
15000
14000
13000
12000
11000
10000
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 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

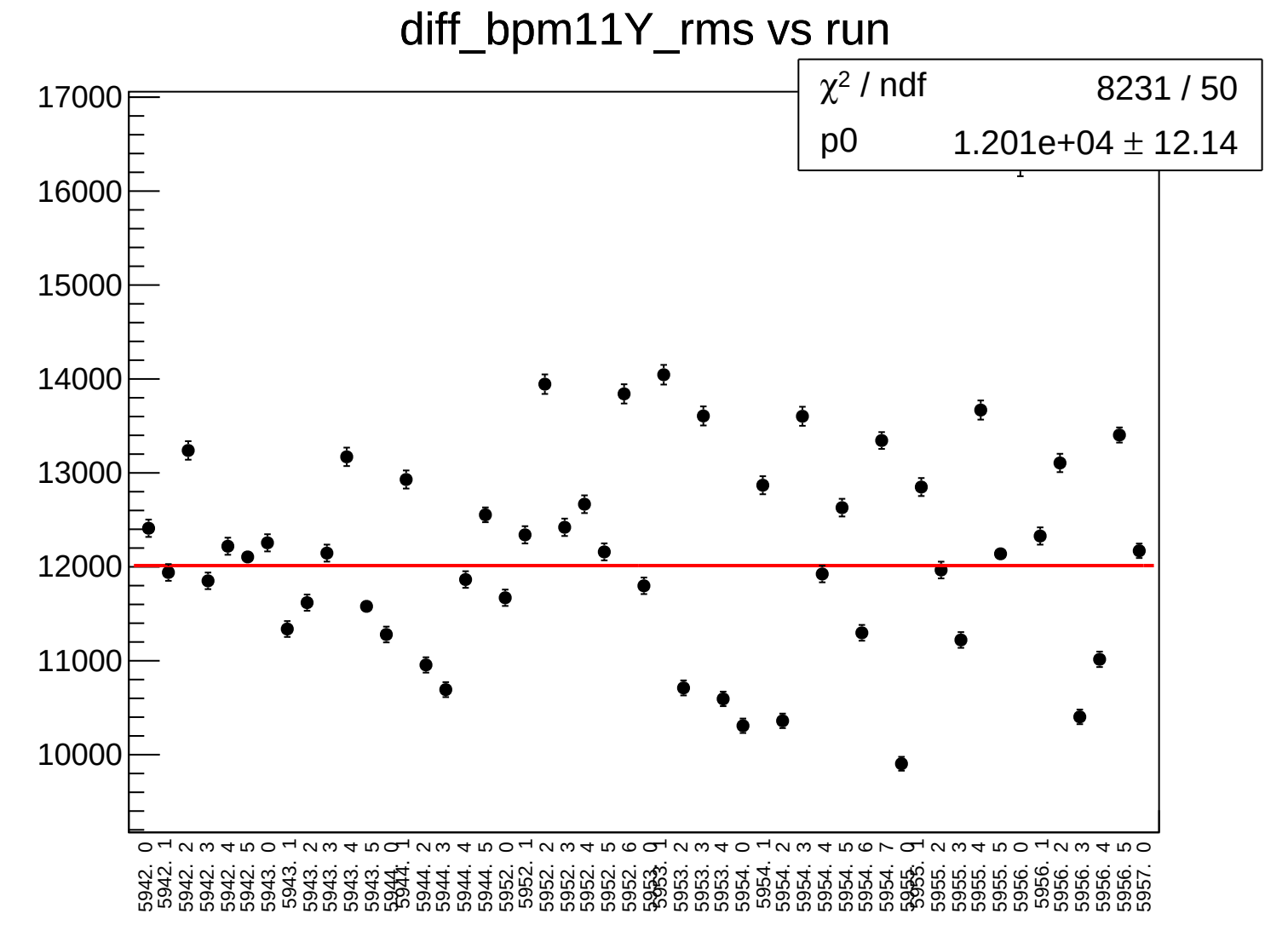

diff_bpm11X_mean vs run
χ^2 / ndf 50.47 / 50
p0 19.16 ± 15.29
pull
Entries 51
Mean 96.72
Std Dev 60.47

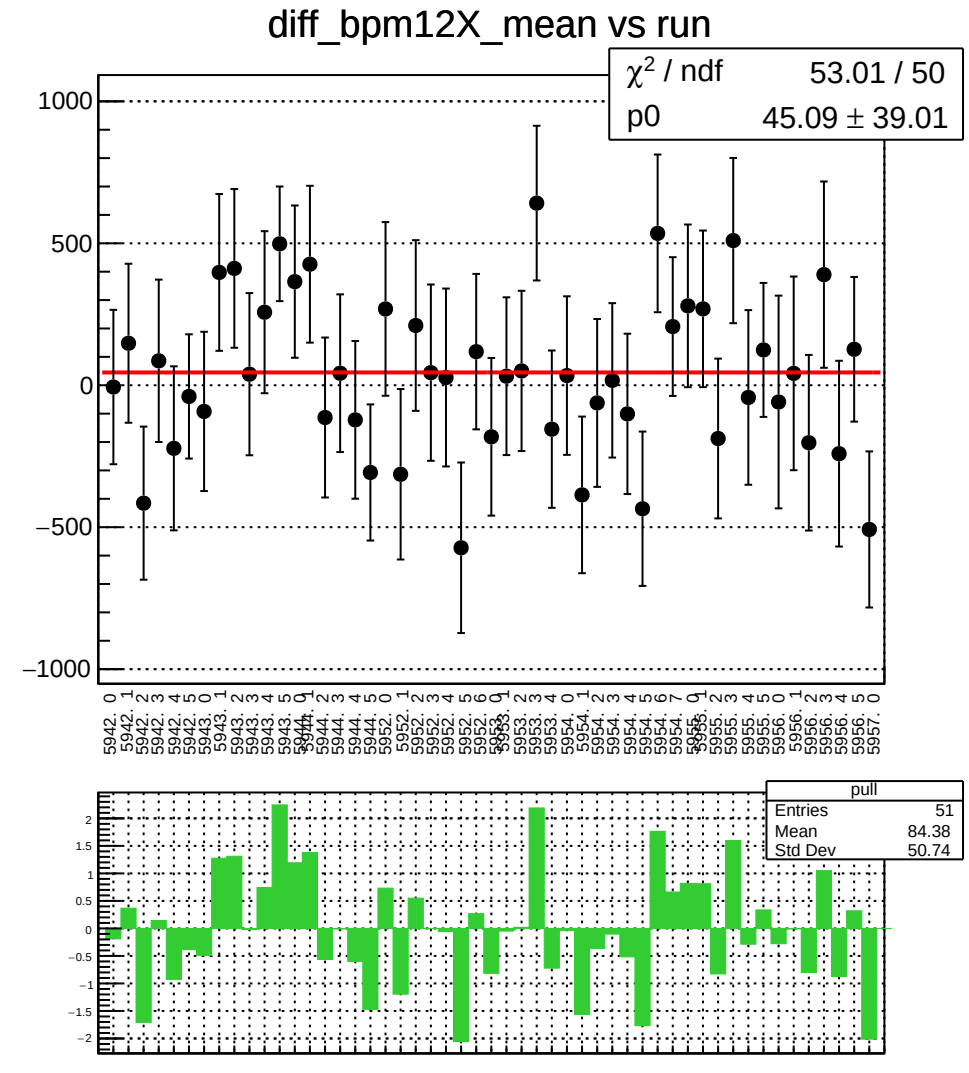

pull1D
Entries 51
Mean −0.01753
Std Dev 0.9947

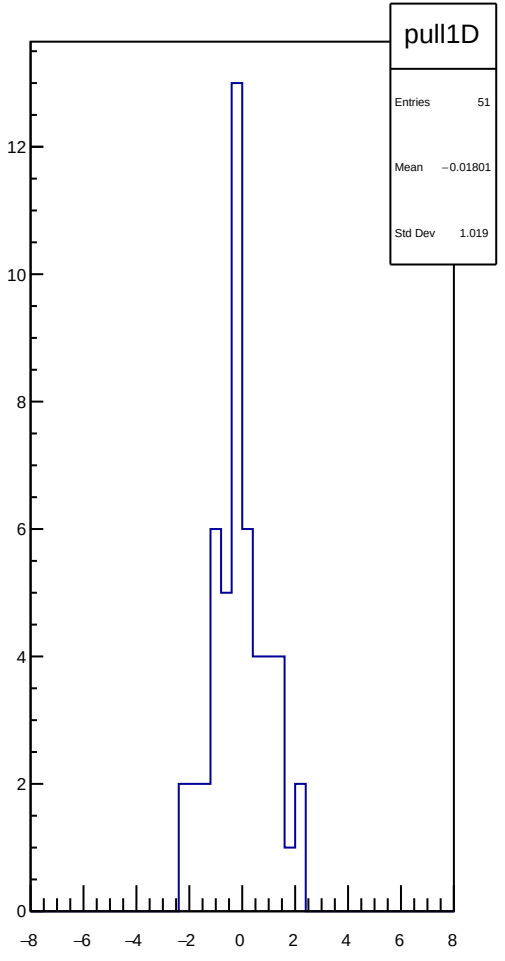

diff_bpm11X_rms vs run
χ² / ndf 3898 / 50
p0 1.072e+04 ± 10.81
14000
13500
13000
12500
12000
11500
11000
10500
10000
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
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

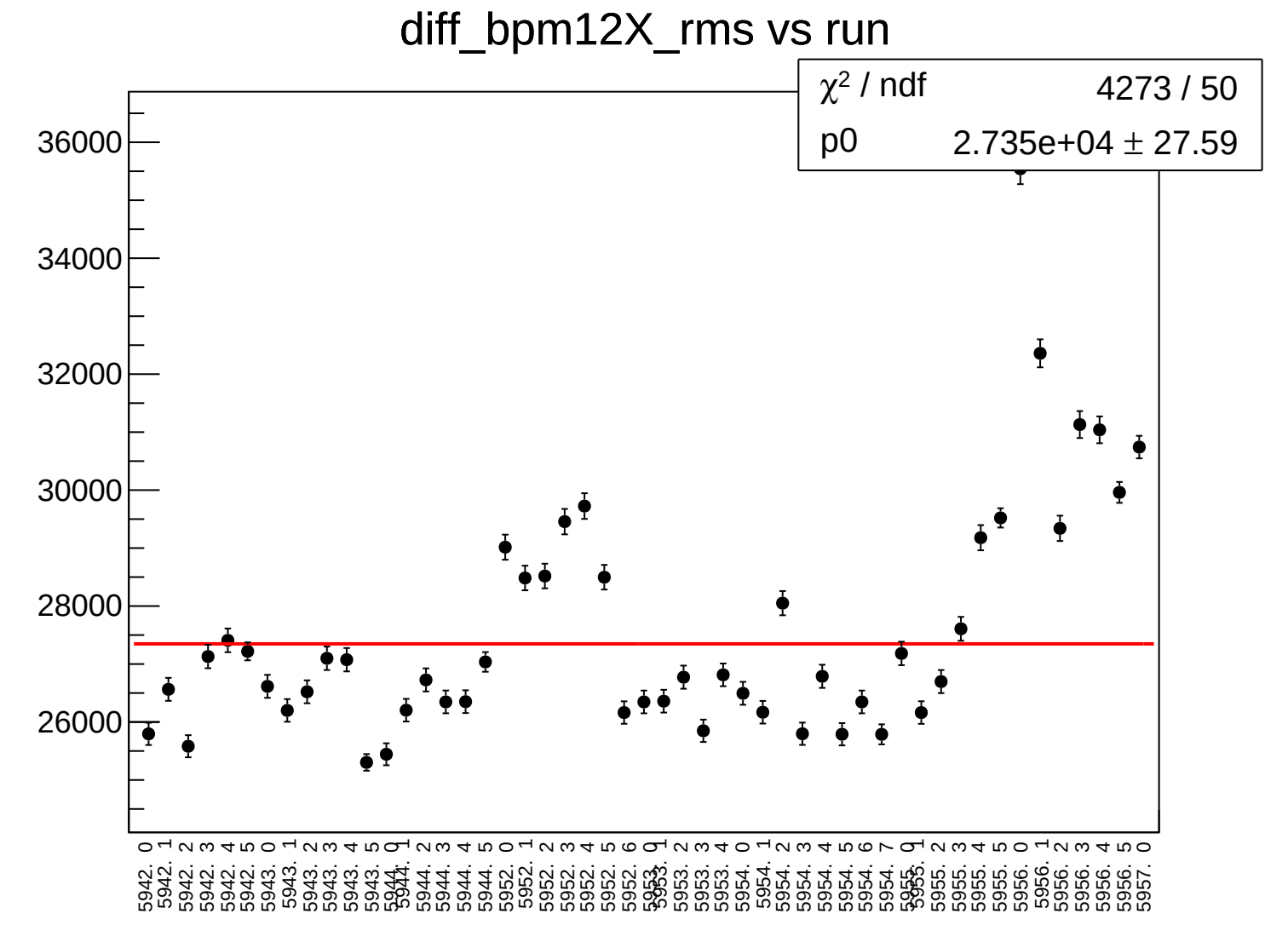

diff_bpm11Y_mean vs run
χ^2 / ndf 50.31 / 50
p0 −38.56 ± 17.17
pull
Entries 51
Mean −371.1
Std Dev 404.4

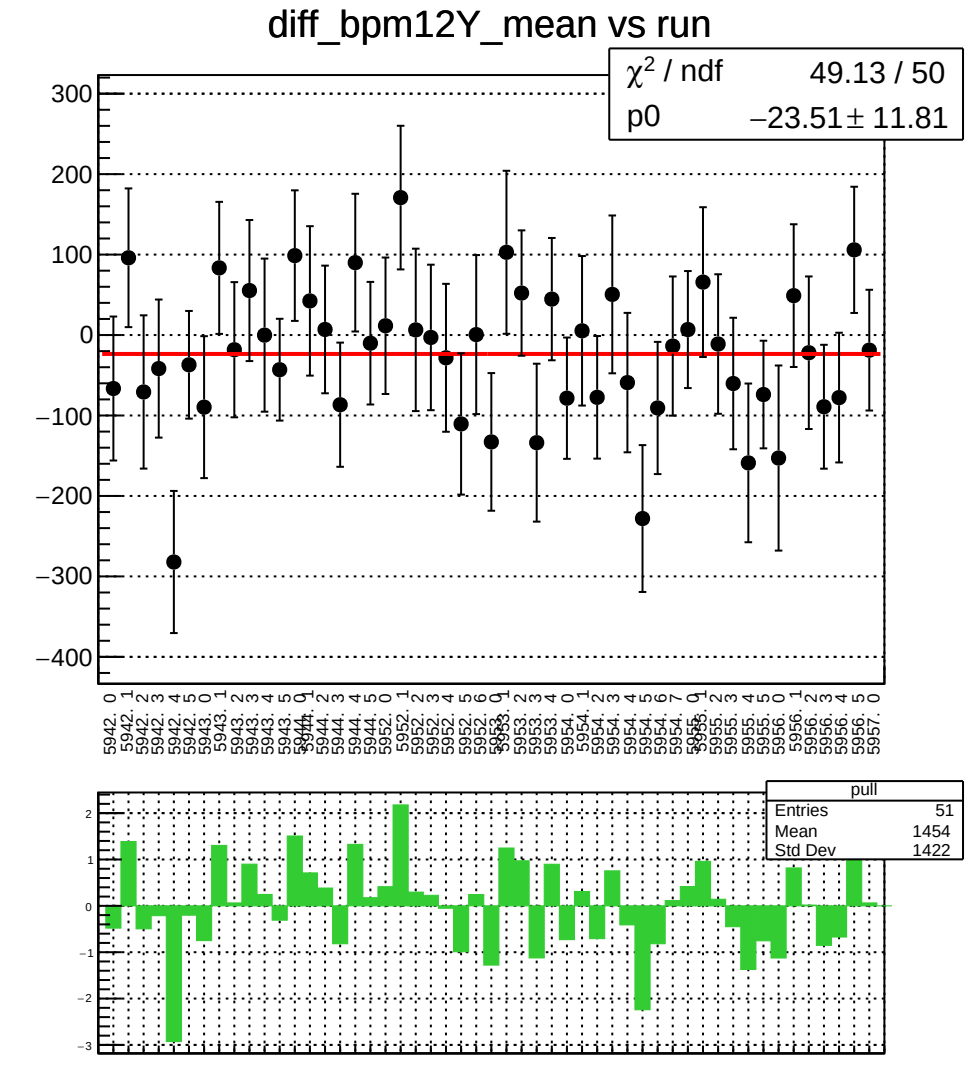

pull1D
Entries 51
Mean 0.003171
Std Dev 0.9932

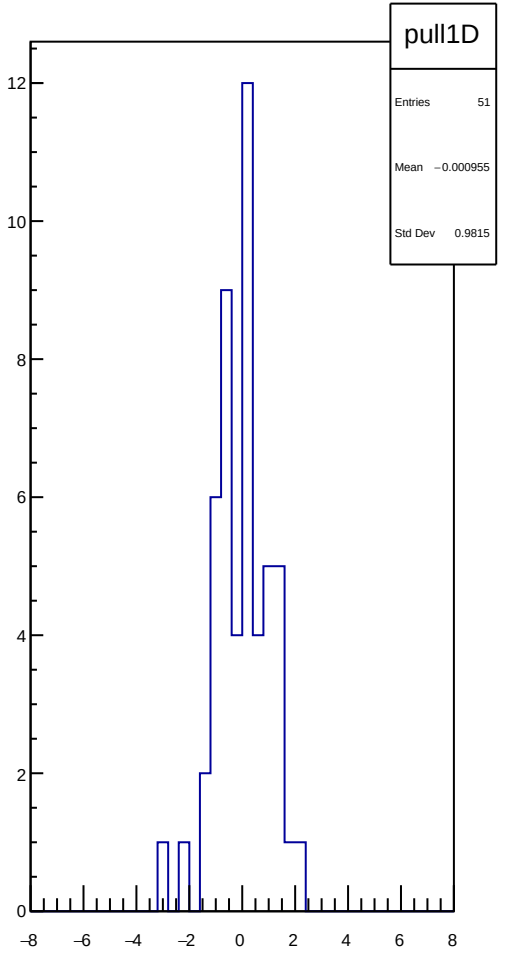

diff_bpm11Y_rms vs run
χ² / ndf 8231 / 50
p0 1.201e+04 ± 12.14
17000
16000
15000
14000
13000
12000
11000
10000
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 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

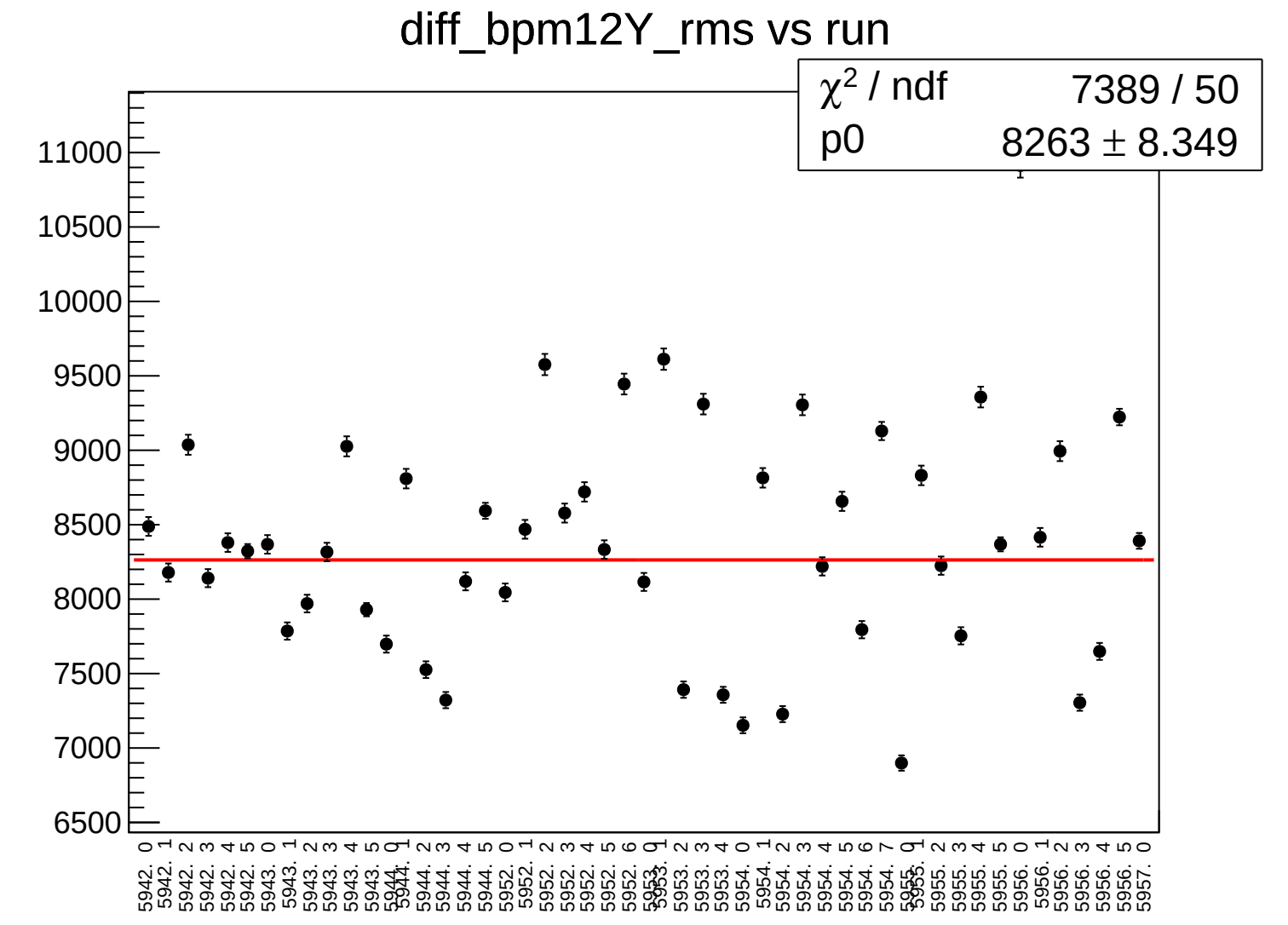

diff_bpm12X_mean vs run
χ^2 / ndf 53.01 / 50
p0 45.09 ± 39.01
1000
500
0
−500
−1000
pull
Entries 51
Mean 84.38
Std Dev 50.74
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

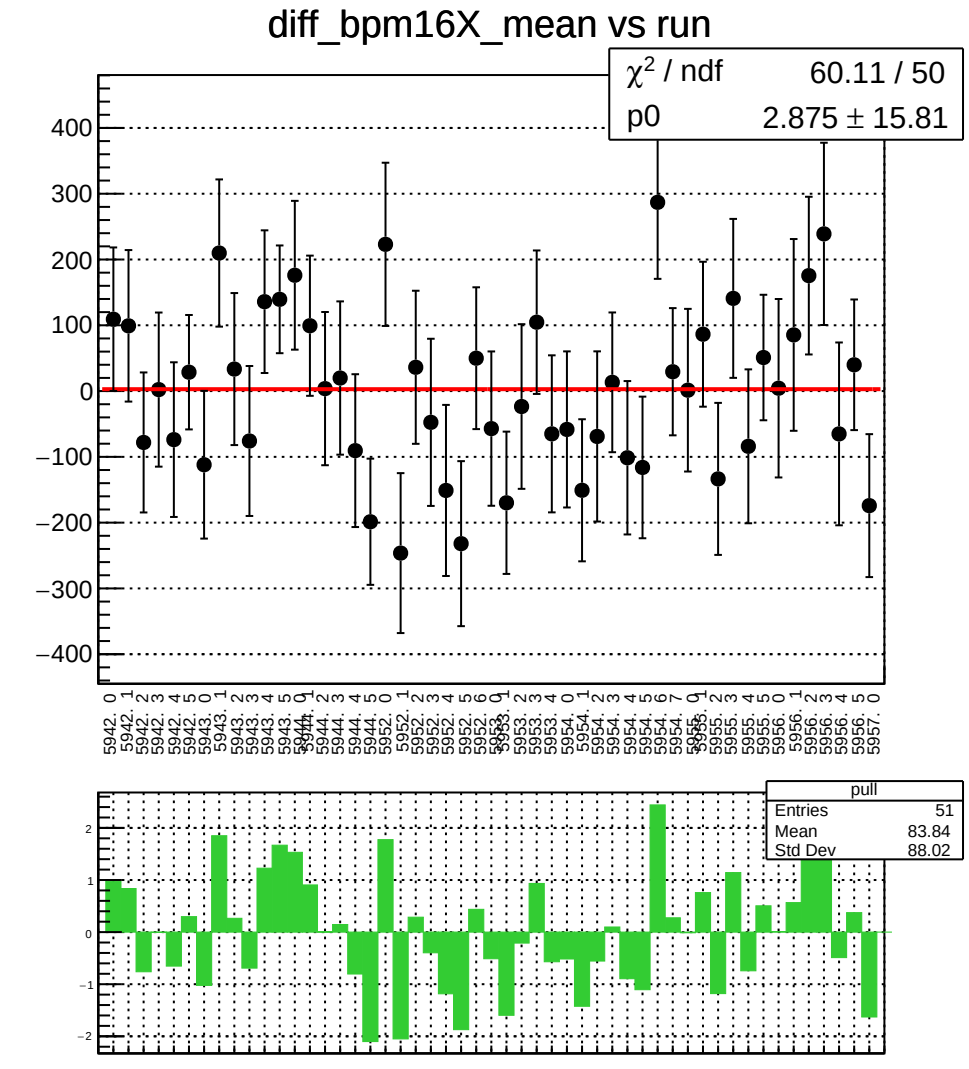

pull1D
Entries 51
Mean −0.01801
Std Dev 1.019
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

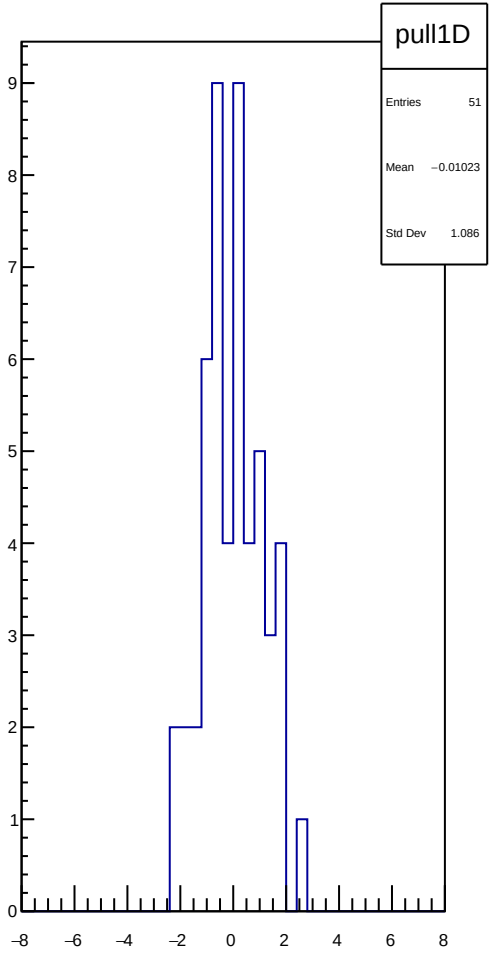

diff_bpm12X_rms vs run
χ² / ndf 4273 / 50
p0 2.735e+04 ± 27.59
36000
34000
32000
30000
28000
26000
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 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

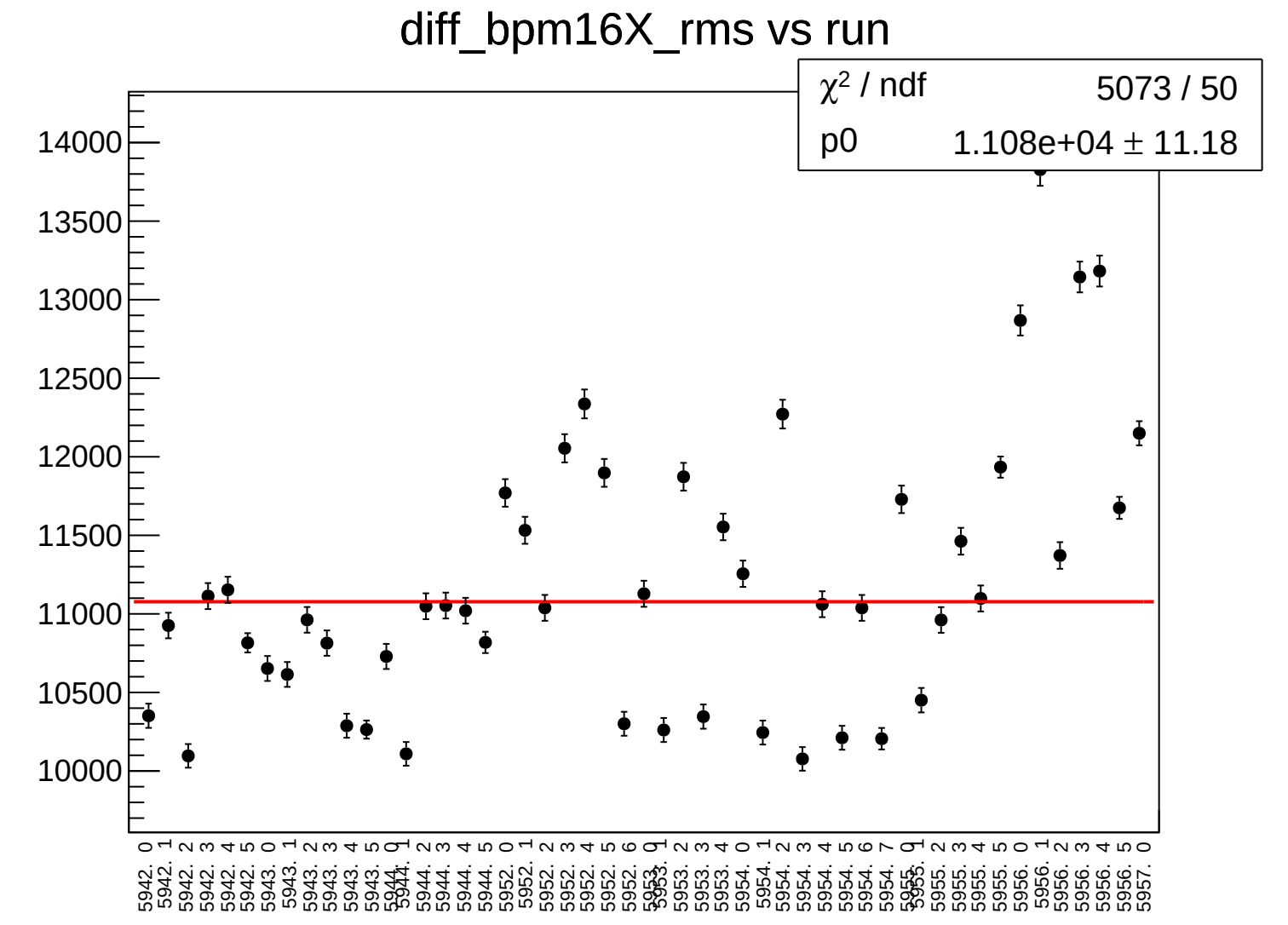

diff_bpm12Y_mean vs run
χ² / ndf 49.13 / 50
p0 −23.51 ± 11.81
pull
Entries 51
Mean 1454
Std Dev 1422

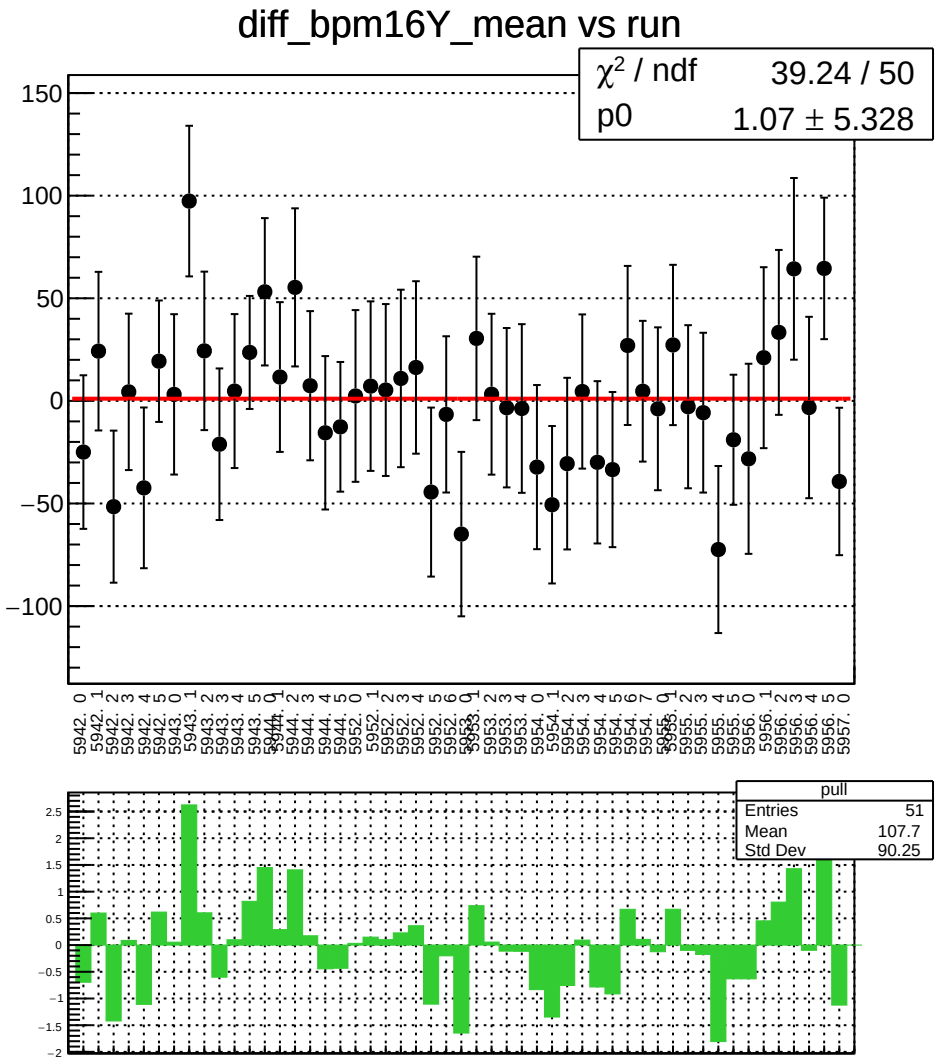

pull1D
Entries 51
Mean −0.000955
Std Dev 0.9815

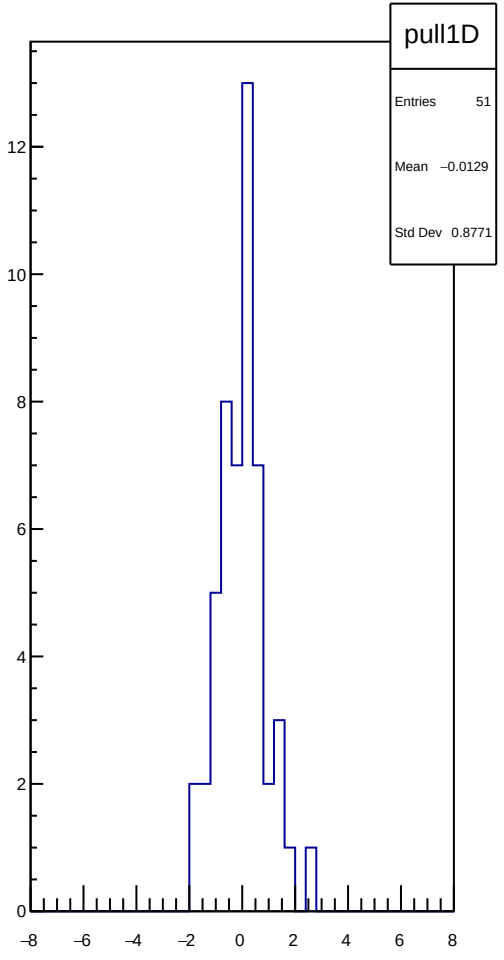

diff_bpm12Y_rms vs run
χ² / ndf 7389 / 50
p0 8263 ± 8.349
11000
10500
10000
9500
9000
8500
8000
7500
7000
6500
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 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

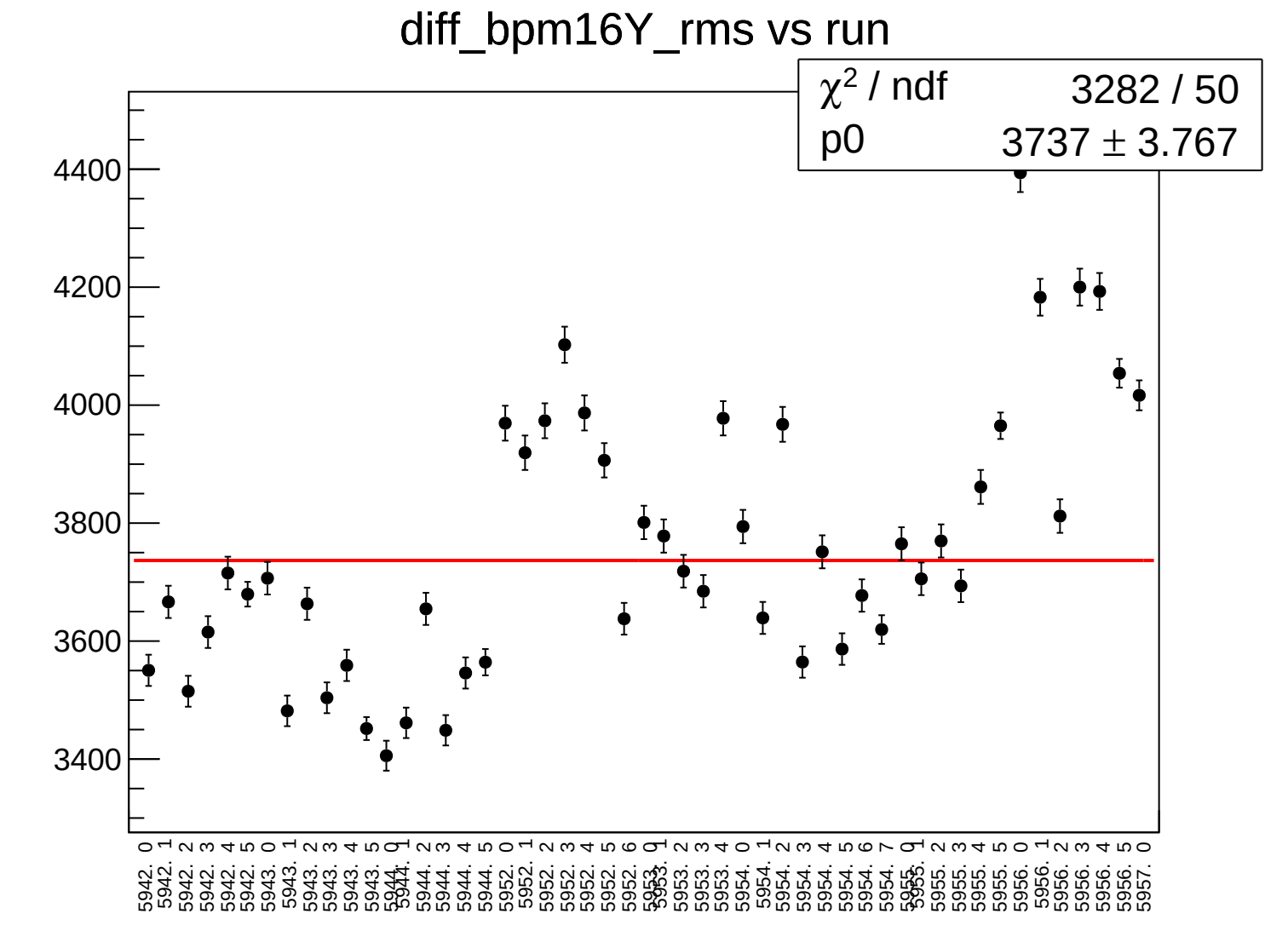

diff_bpm16X_mean vs run
χ² / ndf 60.11 / 50
p0 2.875 ± 15.81
pull
Entries 51
Mean 83.84
Std Dev 88.02

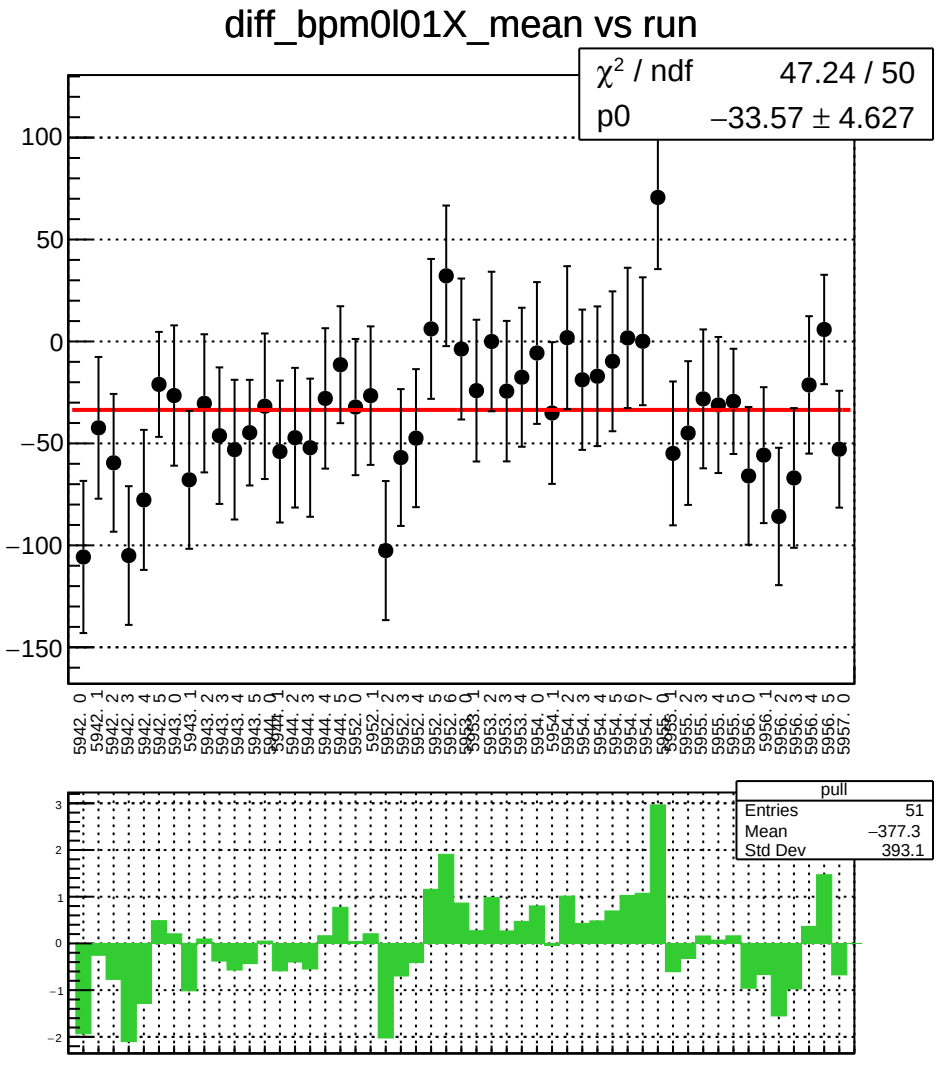

pull1D
Entries 51
Mean −0.01023
Std Dev 1.086

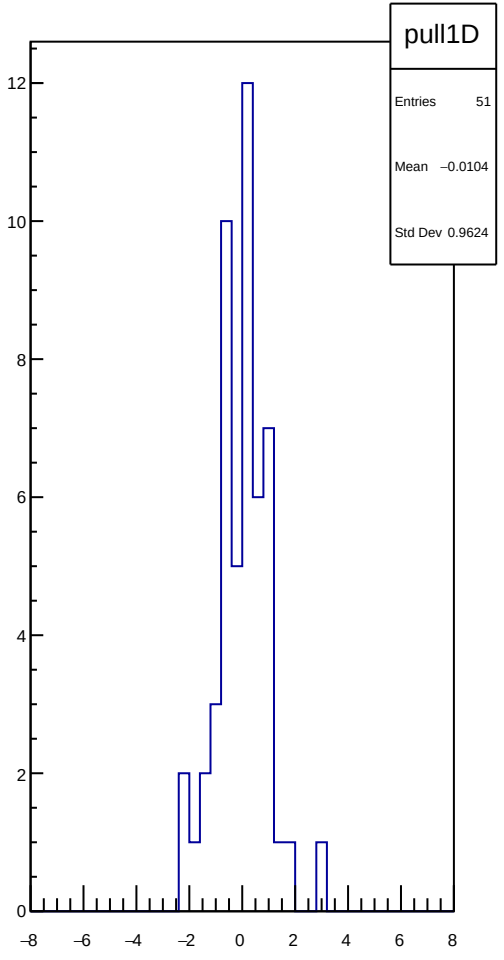

diff_bpm16X_rms vs run
χ² / ndf 5073 / 50
p0 1.108e+04 ± 11.18
14000
13500
13000
12500
12000
11500
11000
10500
10000
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
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

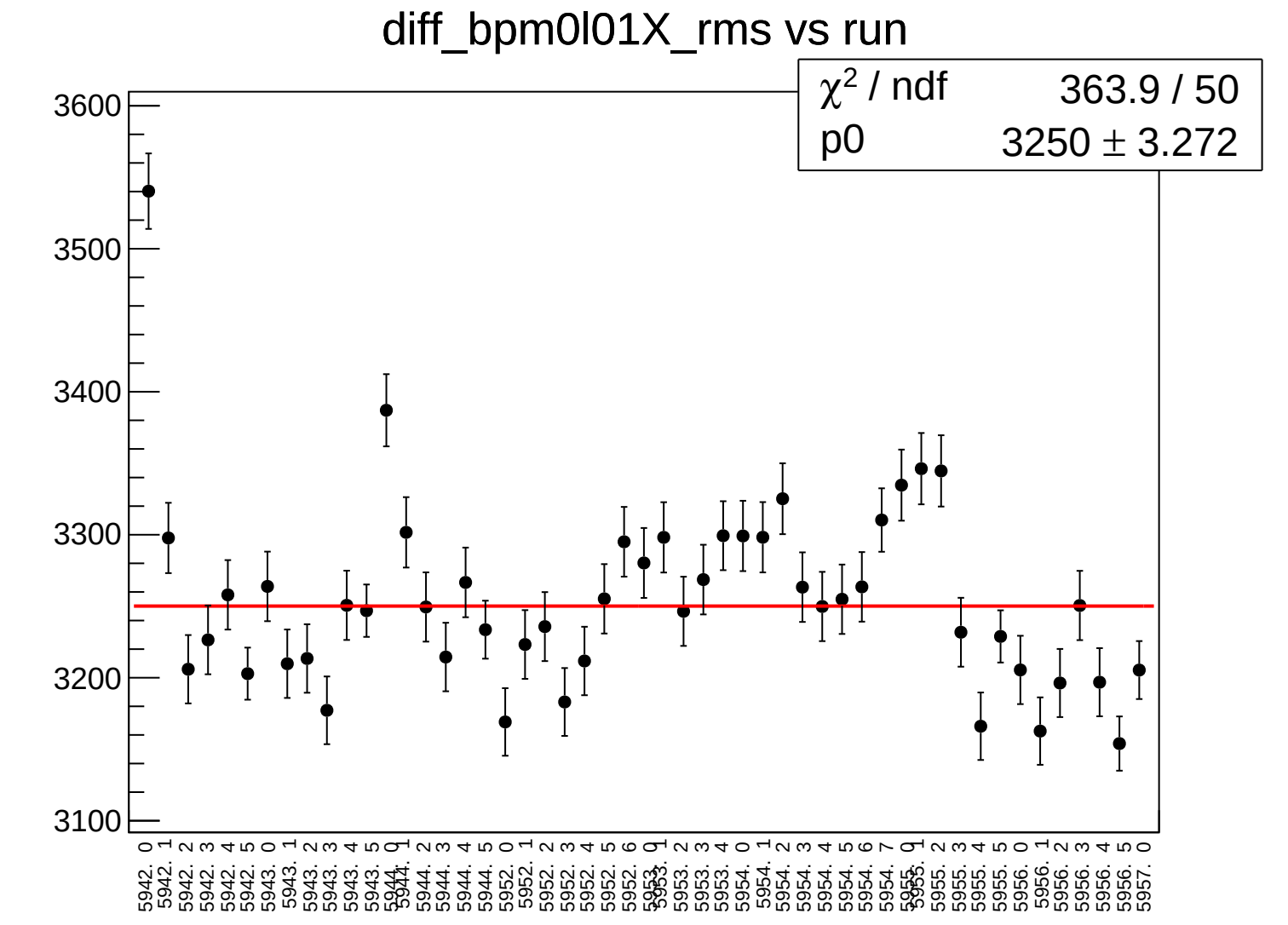

diff_bpm16Y_mean vs run
χ² / ndf 39.24 / 50
p0 1.07 ± 5.328
pull
Entries 51
Mean 107.7
Std Dev 90.25

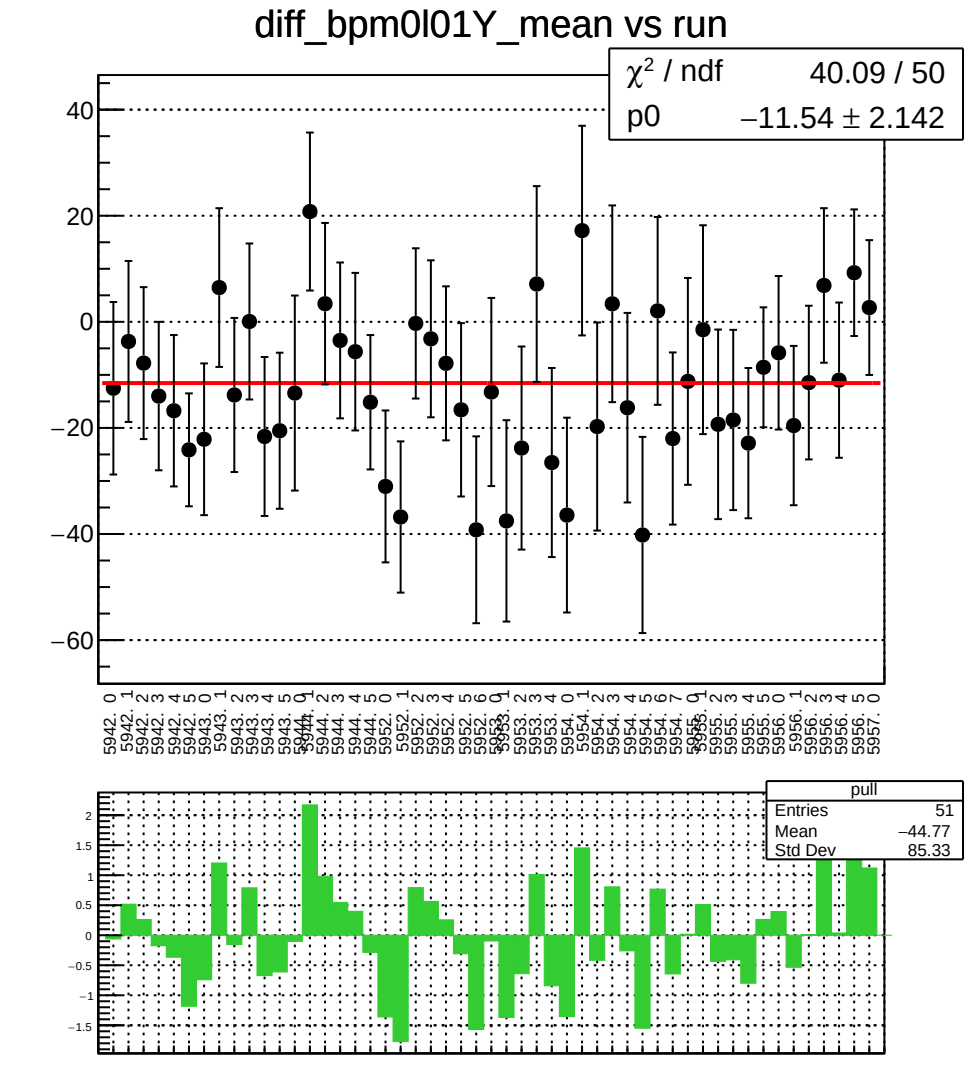

pull1D
Entries 51
Mean −0.0129
Std Dev 0.8771

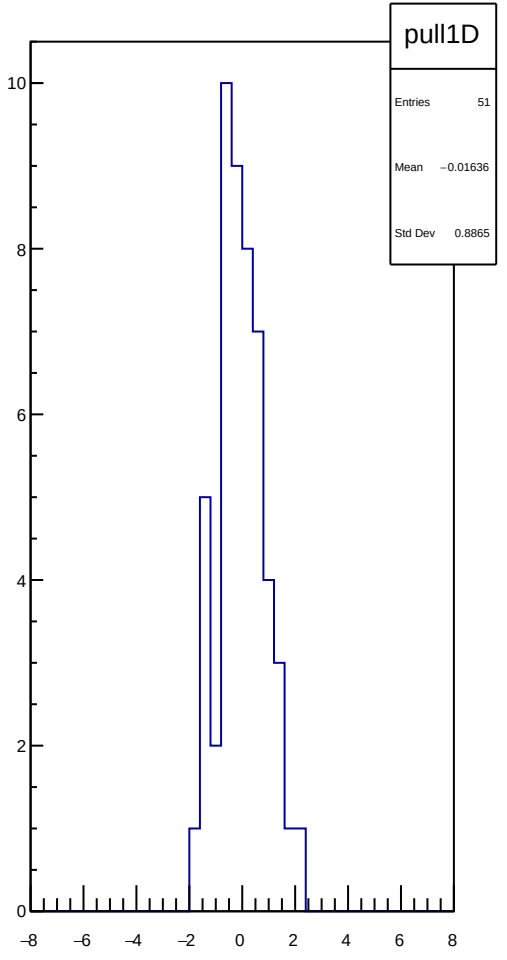

diff_bpm16Y_rms vs run
χ² / ndf 3282 / 50
p0 3737 ± 3.767
4400
4200
4000
3800
3600
3400
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 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

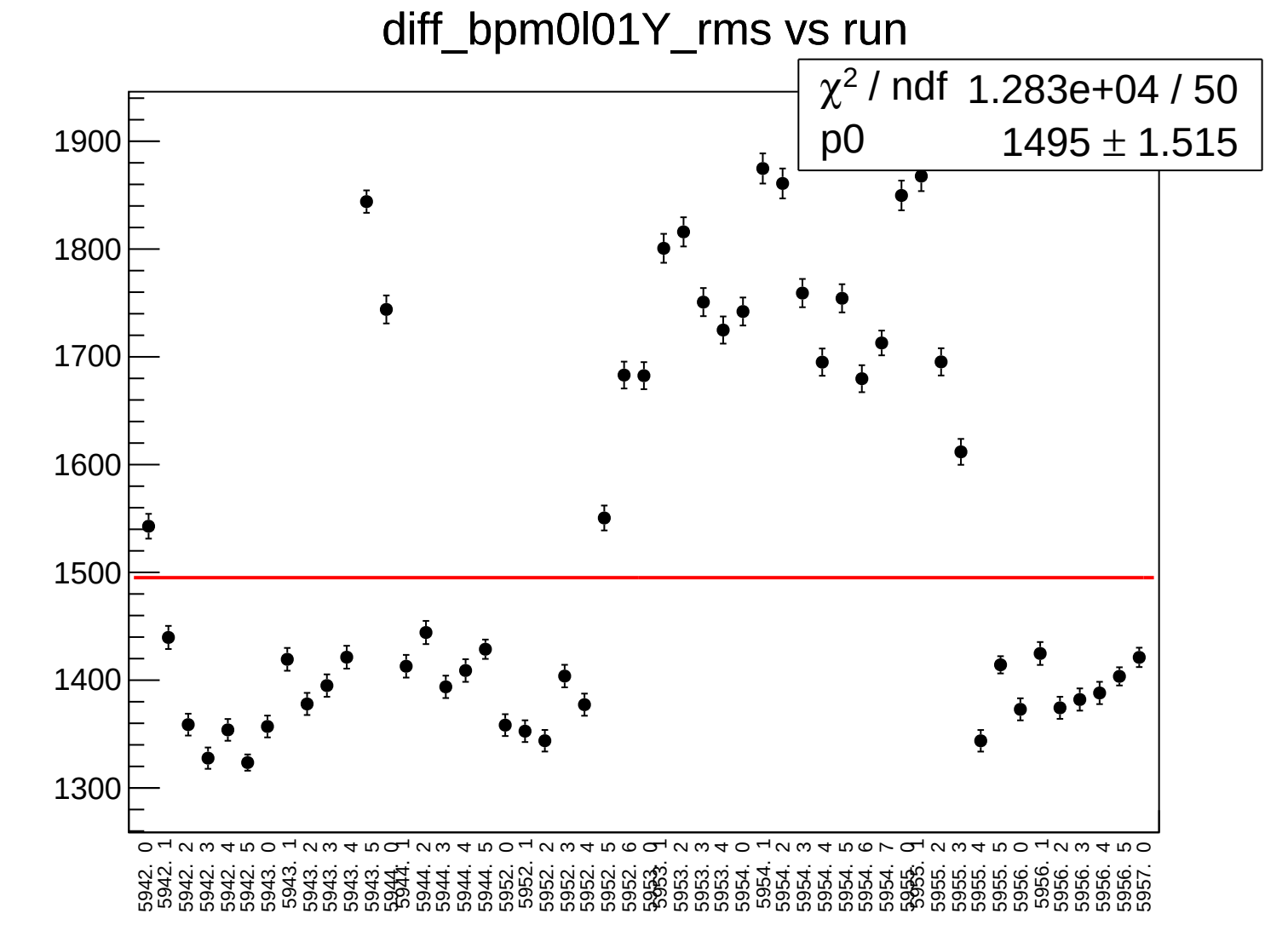

diff_bpm0l01X_mean vs run
χ² / ndf 47.24 / 50
p0 −33.57 ± 4.627
pull
Entries 51
Mean −377.3
Std Dev 393.1

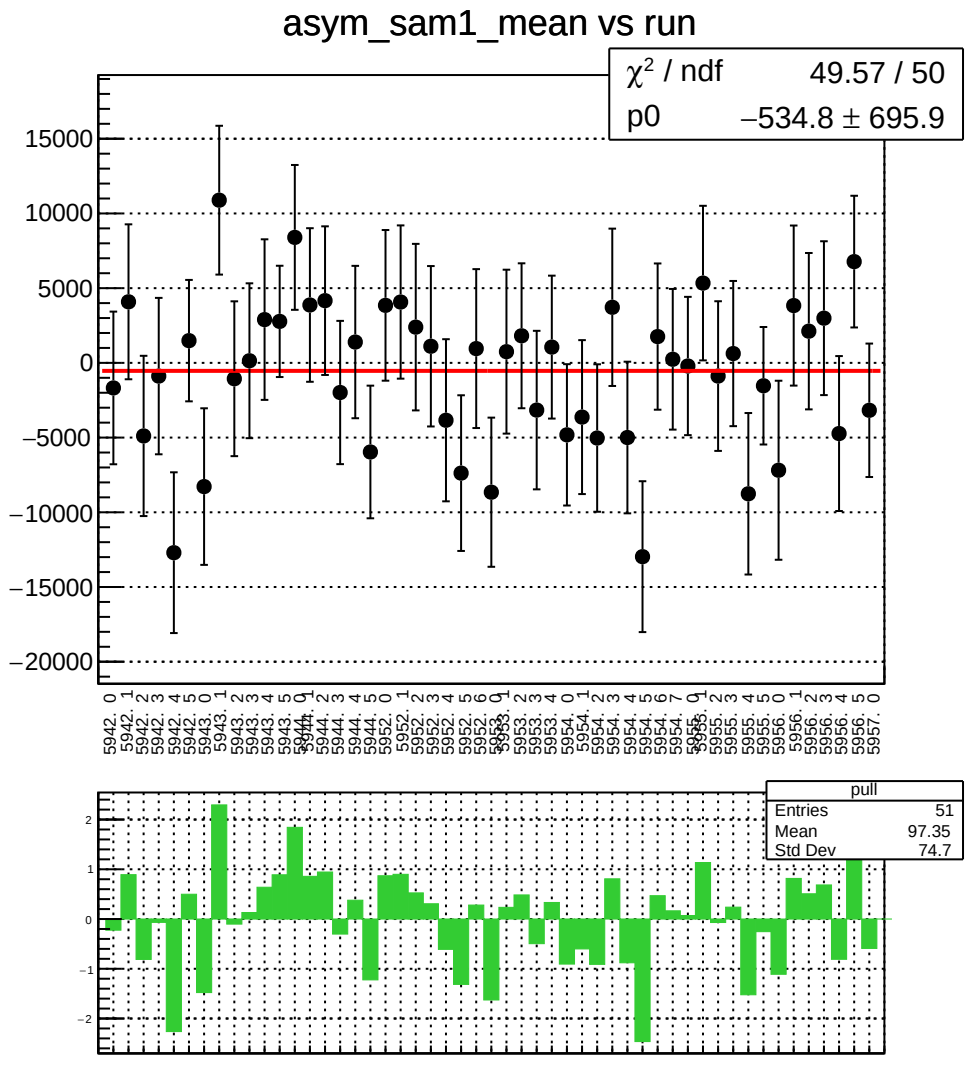

pull1D
Entries 51
Mean −0.0104
Std Dev 0.9624

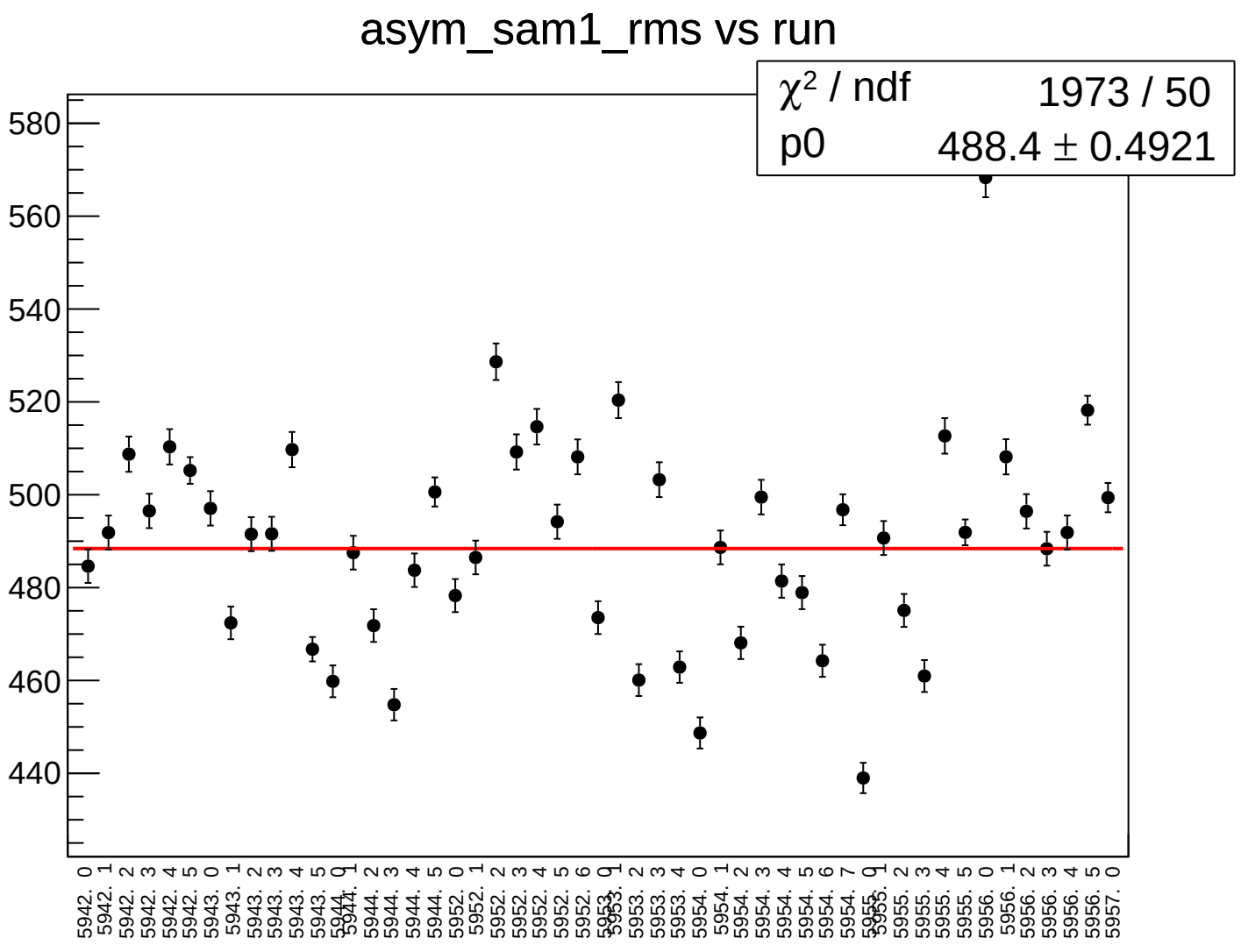

diff_bpm0l01X_rms vs run
χ² / ndf 363.9 / 50
p0 3250 ± 3.272
3600
3500
3400
3300
3200
3100
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 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

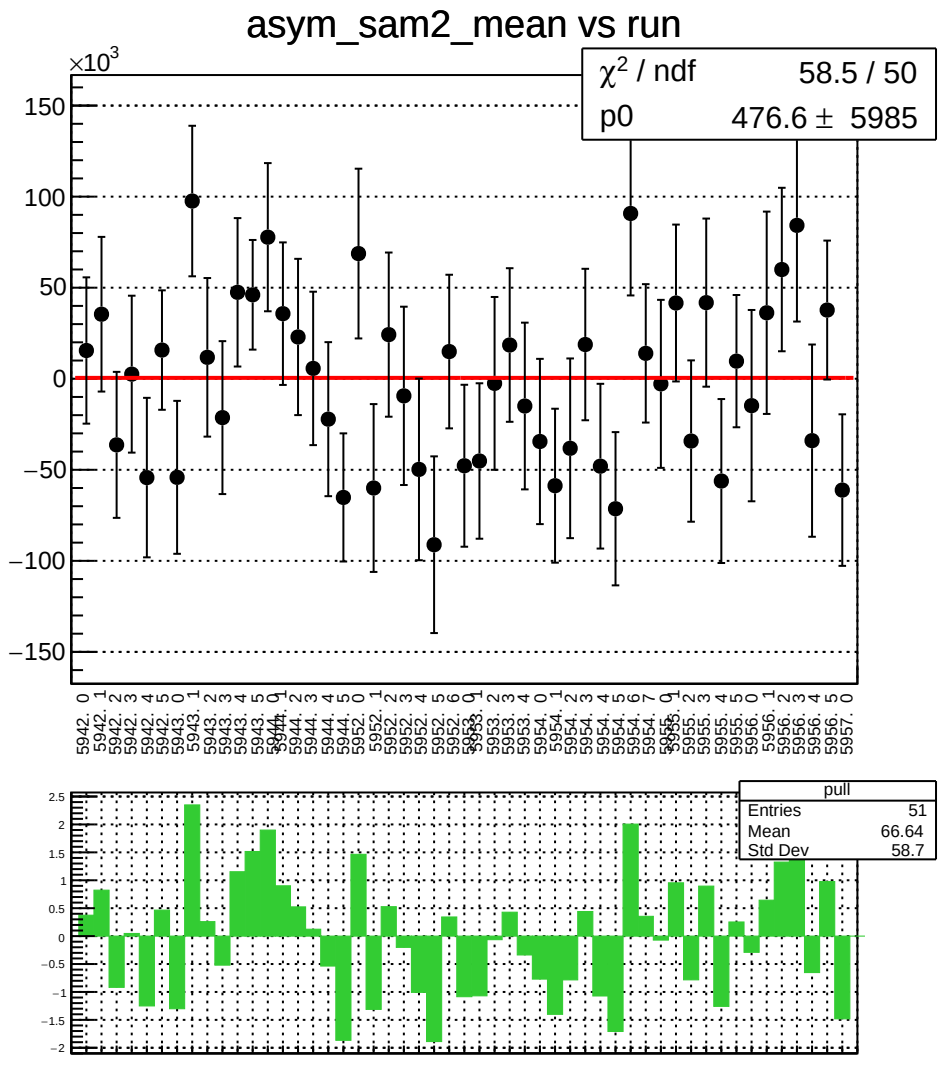

diff_bpm0l01Y_mean vs run
χ² / ndf 40.09 / 50
p0 −11.54 ± 2.142
pull
Entries 51
Mean −44.77
Std Dev 85.33

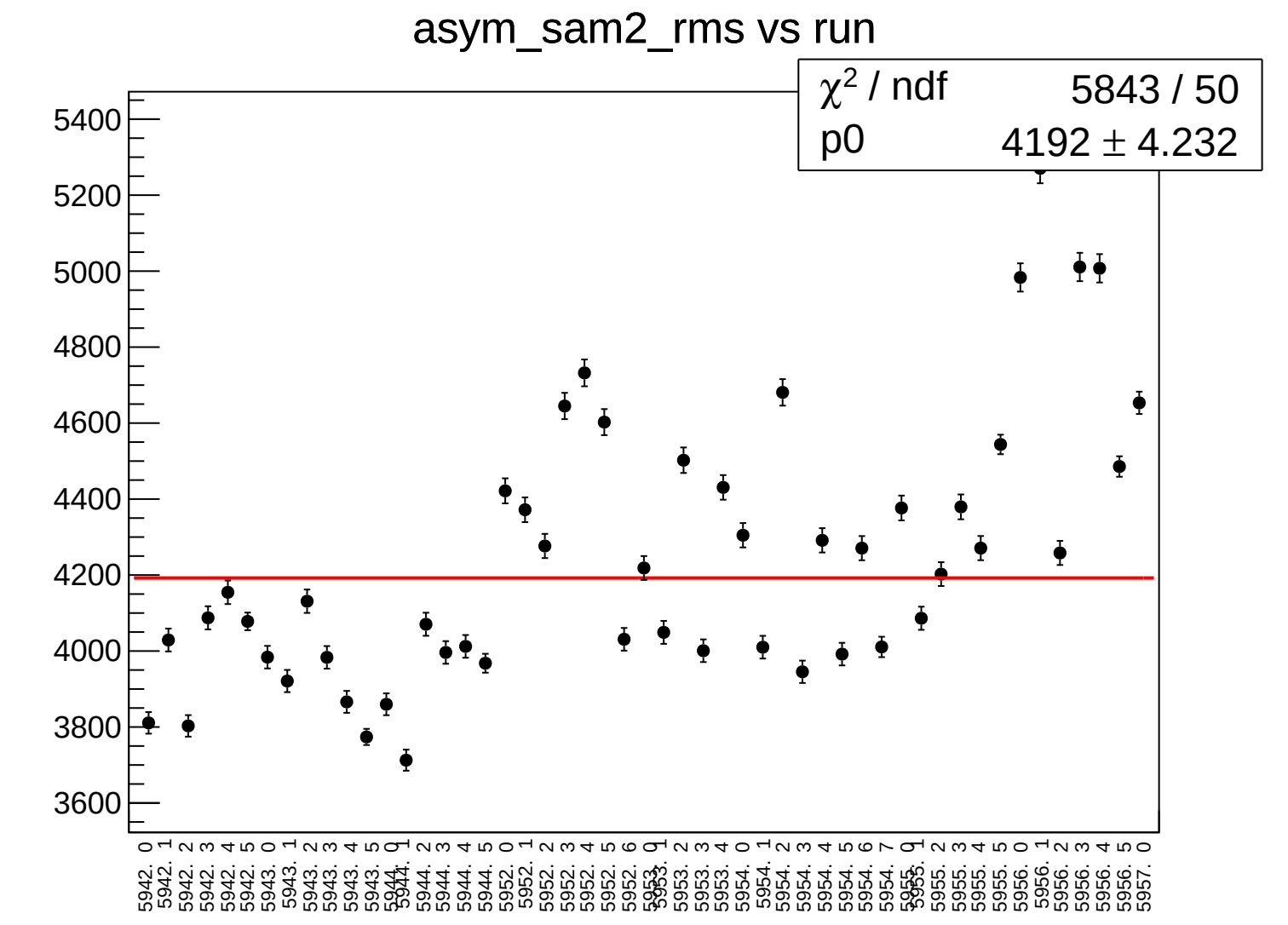

pull1D
Entries 51
Mean −0.01636
Std Dev 0.8865

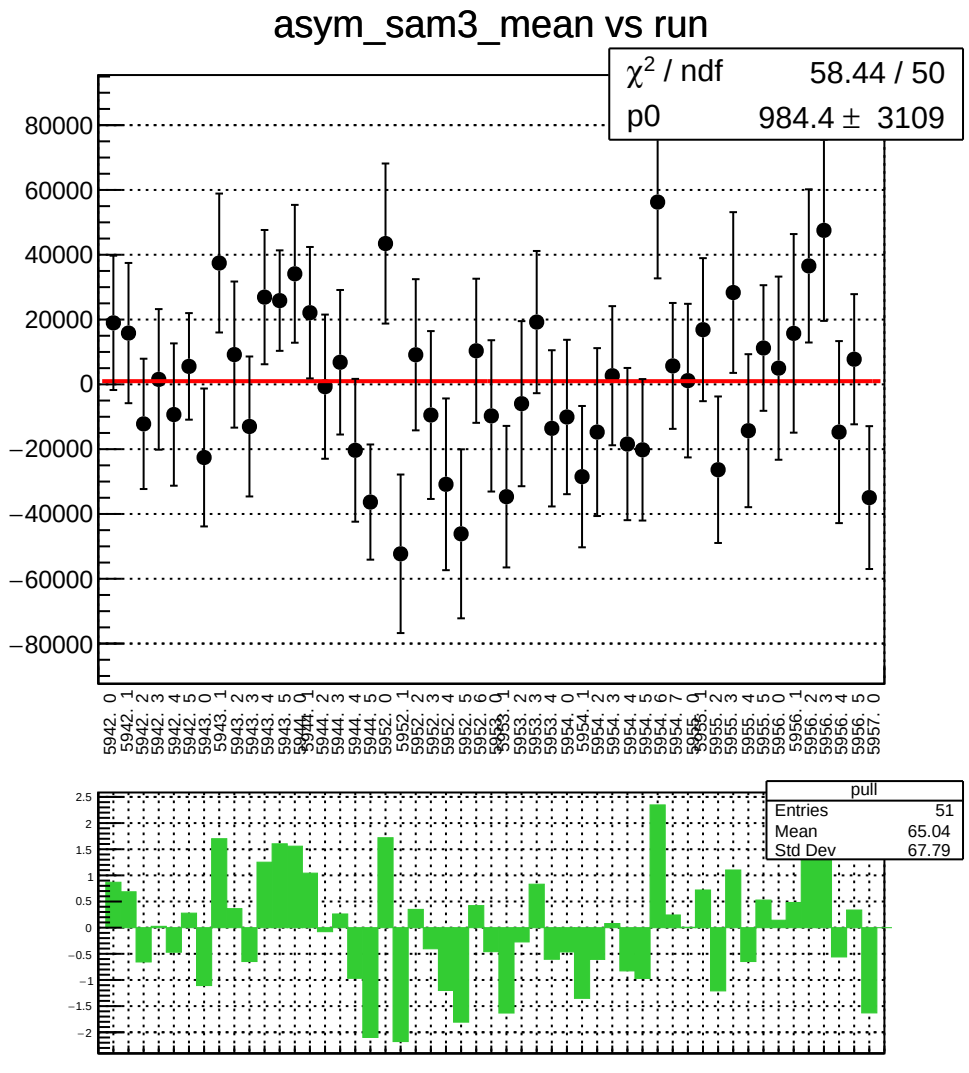

diff_bpm0l01Y_rms vs run
χ² / ndf 1.283e+04 / 50
p0 1495 ± 1.515
1900
1800
1700
1600
1500
1400
1300
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 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

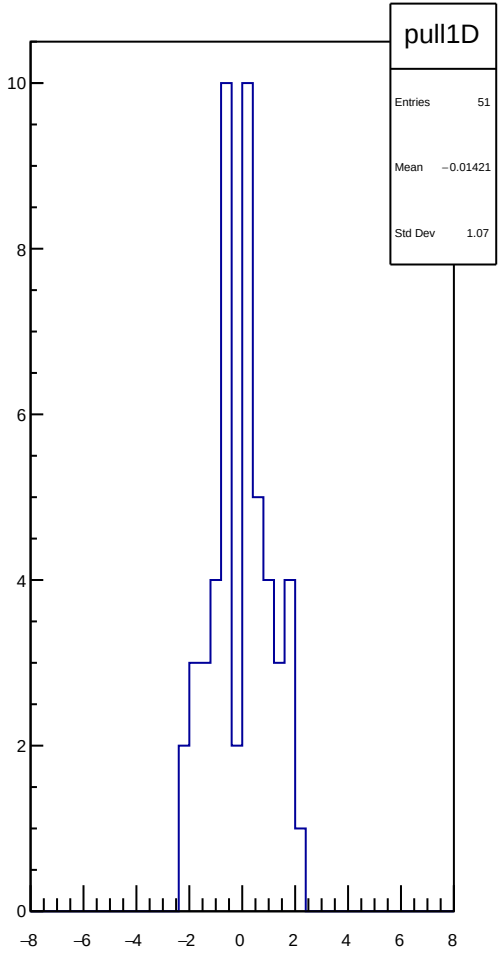

asym_sam1_mean vs run
χ² / ndf 49.57 / 50
p0 −534.8 ± 695.9
15000
10000
5000
0
−5000
−10000
−15000
−20000
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5952. 7
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
pull
Entries 51
Mean 97.35
Std Dev 74.7
2
1
0
−1
−2
pull1D
Entries 51
Mean −0.01528
Std Dev 0.9858
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

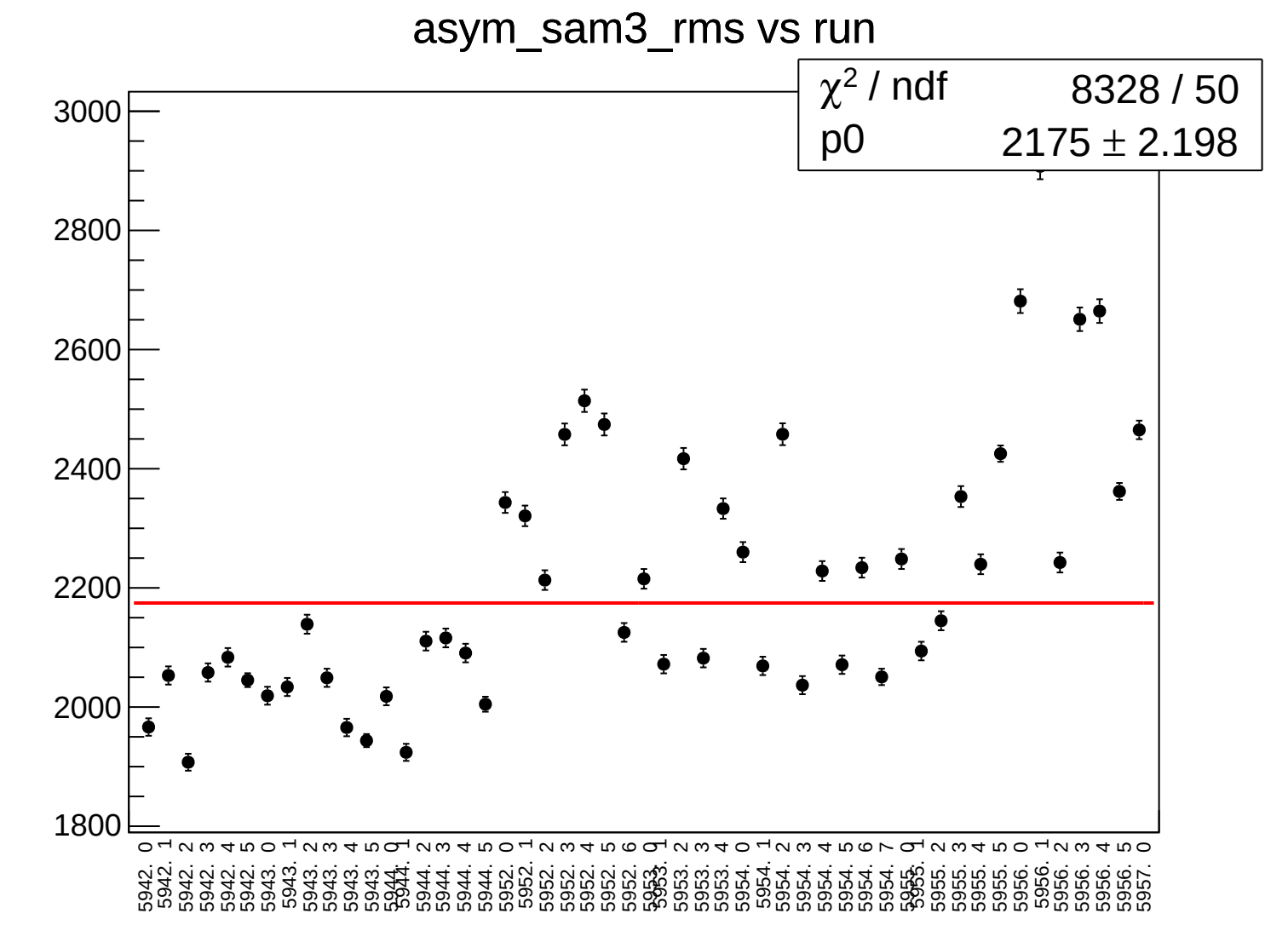

asym_sam1_rms vs run
χ² / ndf 1973 / 50
p0 488.4 ± 0.4921
580
560
540
520
500
480
460
440
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 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

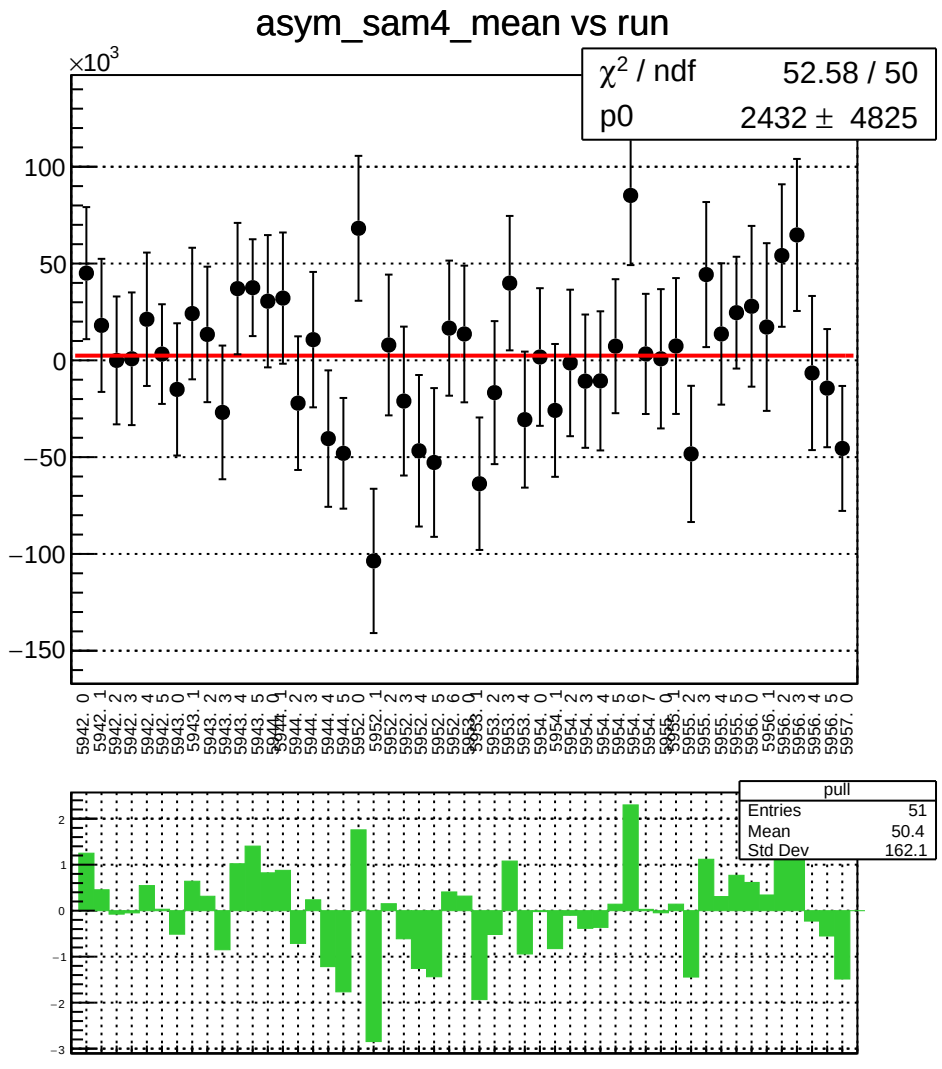

asym_sam2_mean vs run
×10^3
χ² / ndf 58.5 / 50
p0 476.6 ± 5985
150
100
50
0
−50
−100
−150
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5952. 9
5953. 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
pull
Entries 51
Mean 66.64
Std Dev 58.7
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 51
Mean −0.01955
Std Dev 1.071
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

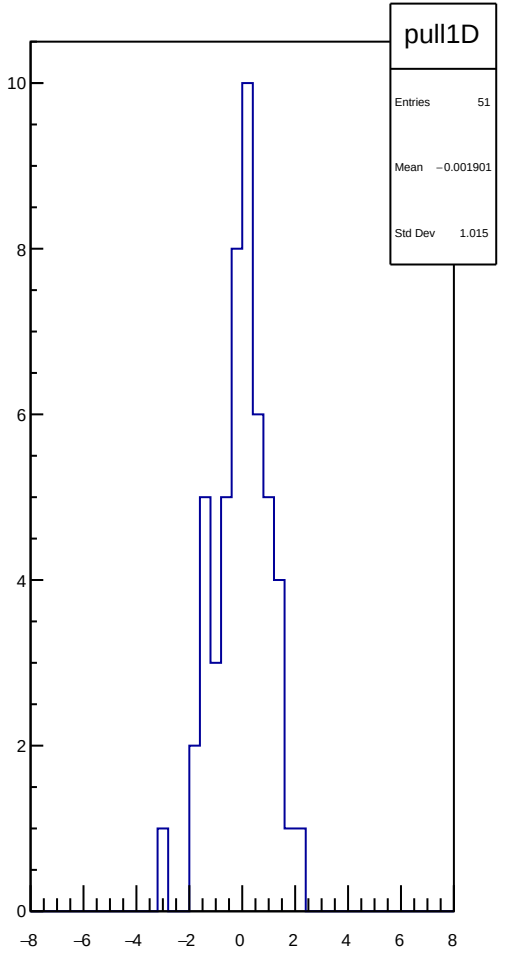

asym_sam2_rms vs run
χ² / ndf 5843 / 50
p0 4192 ± 4.232
5400
5200
5000
4800
4600
4400
4200
4000
3800
3600
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 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

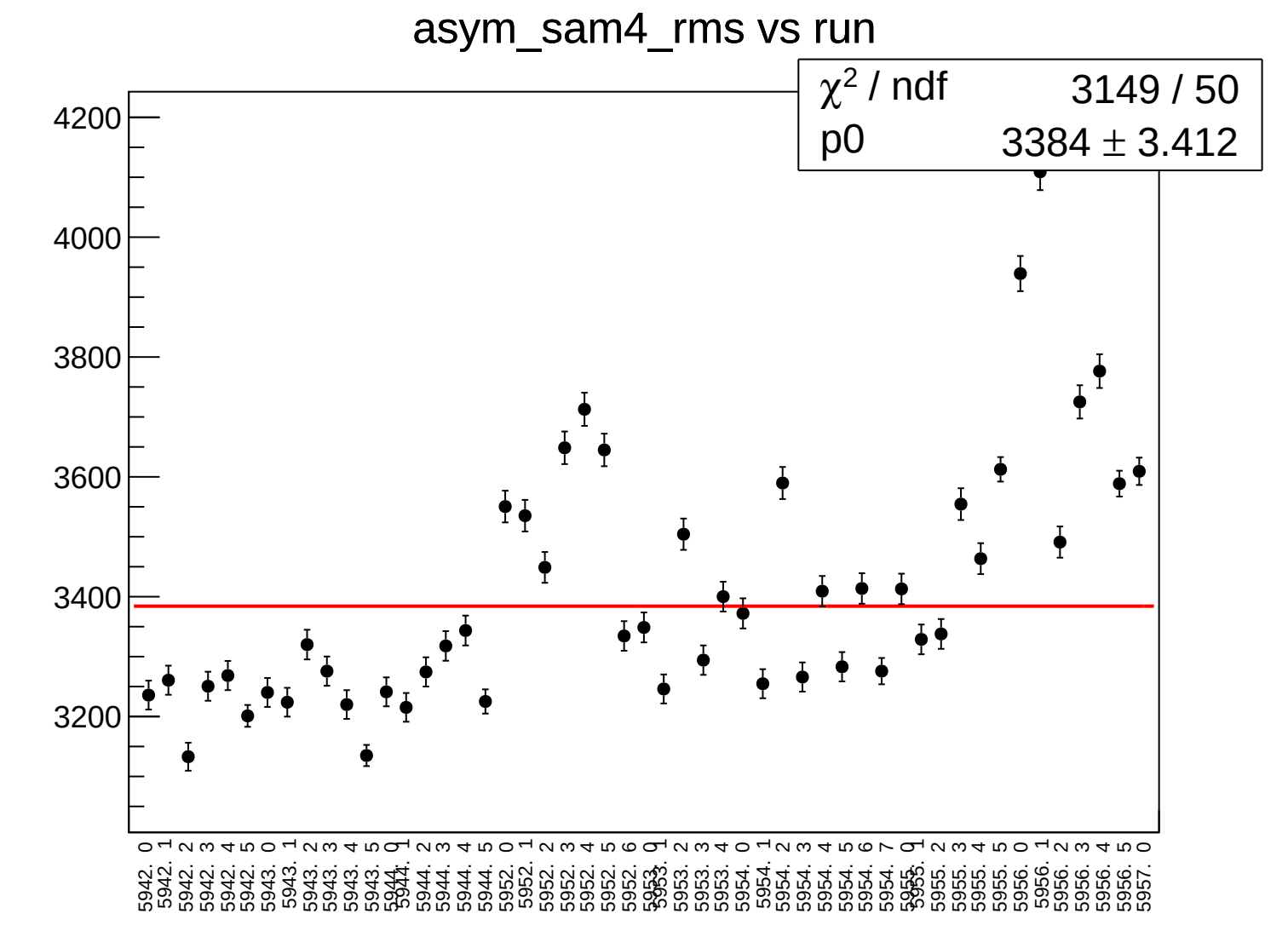

asym_sam3_mean vs run
χ² / ndf 58.44 / 50
p0 984.4 ± 3109
pull
Entries 51
Mean 65.04
Std Dev 67.79

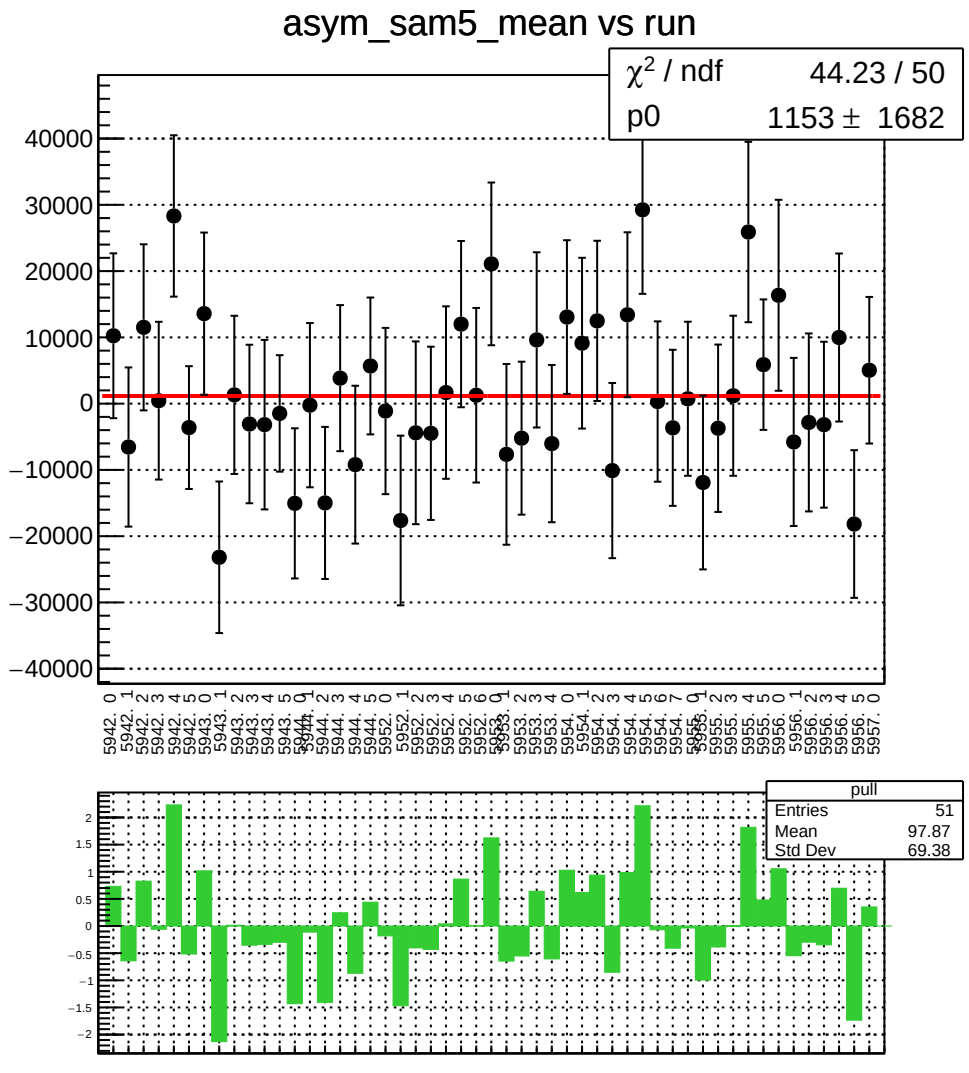

pull1D
Entries 51
Mean −0.01421
Std Dev 1.07

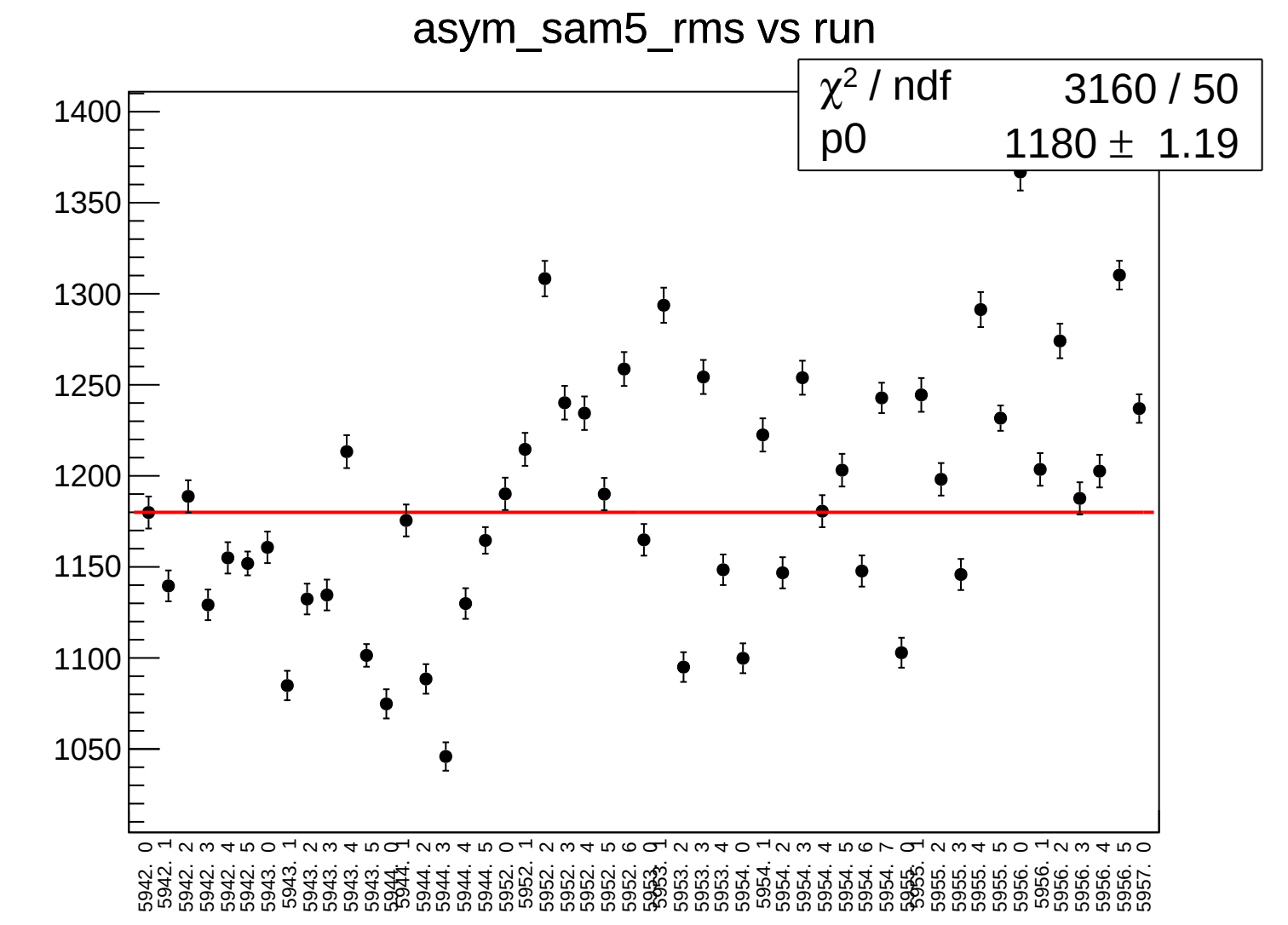

asym_sam3_rms vs run
χ² / ndf 8328 / 50
p0 2175 ± 2.198
3000
2800
2600
2400
2200
2000
1800
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 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

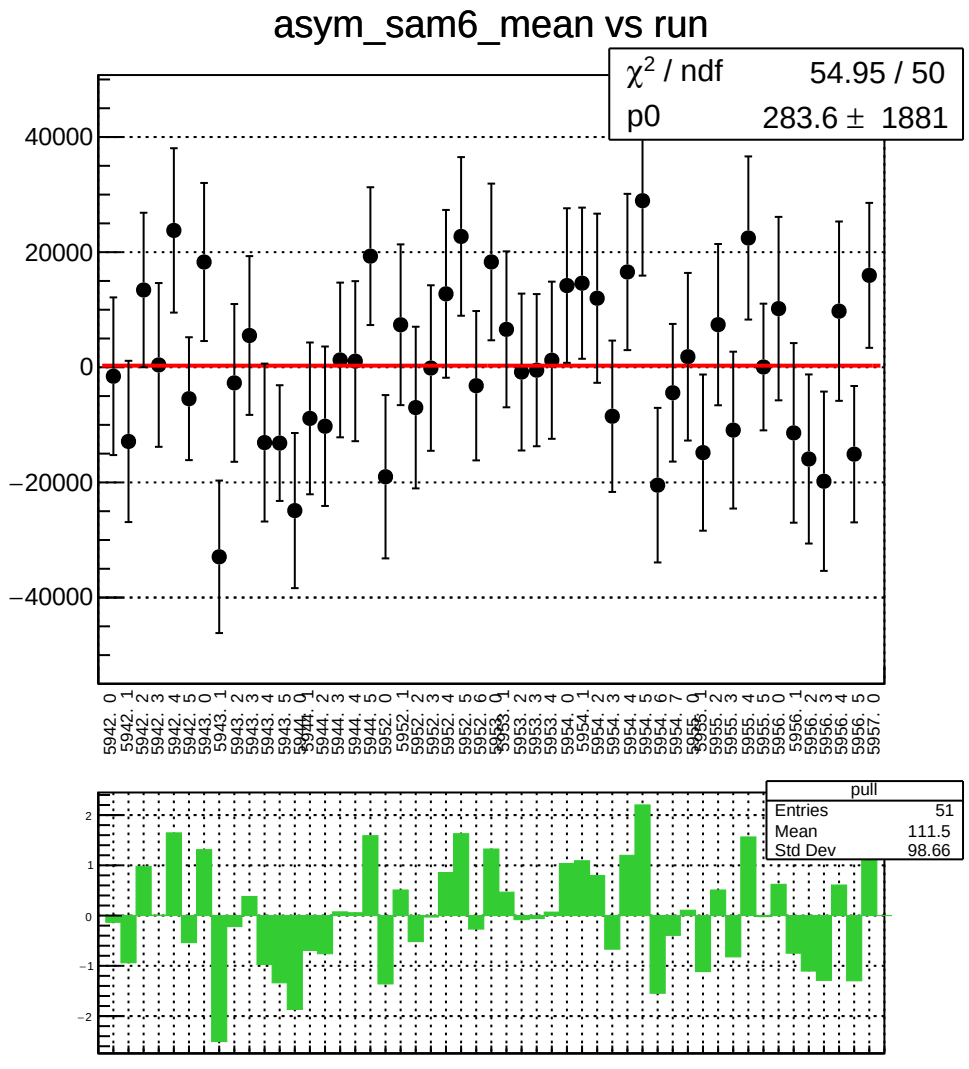

asym_sam4_mean vs run
×10^3
χ² / ndf 52.58 / 50
p0 2432 ± 4825
100
50
0
−50
−100
−150
pull
Entries 51
Mean 50.4
Std Dev 162.1
2
1
0
−1
−2
−3

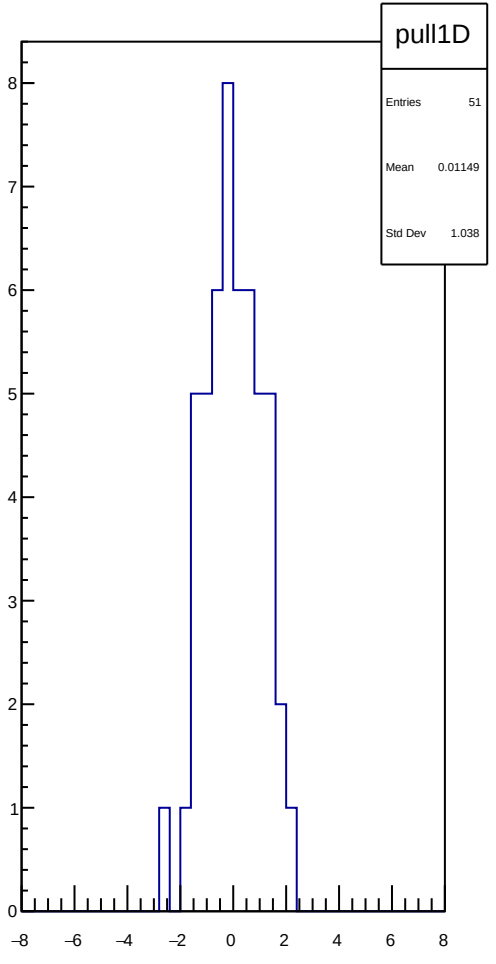

pull1D
Entries 51
Mean −0.001901
Std Dev 1.015
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

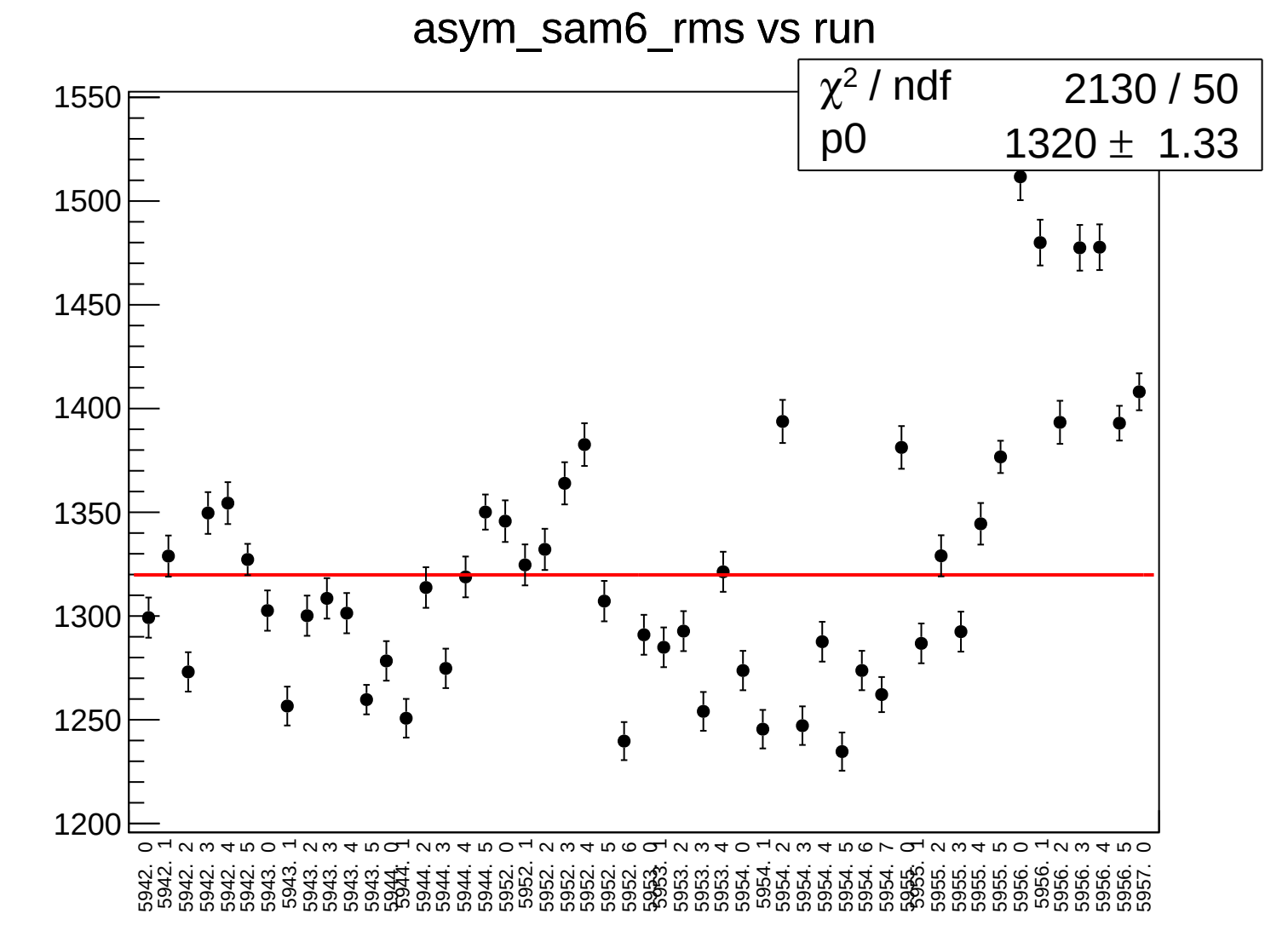

asym_sam4_rms vs run
χ² / ndf 3149 / 50
p0 3384 ± 3.412
4200
4000
3800
3600
3400
3200
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 1
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

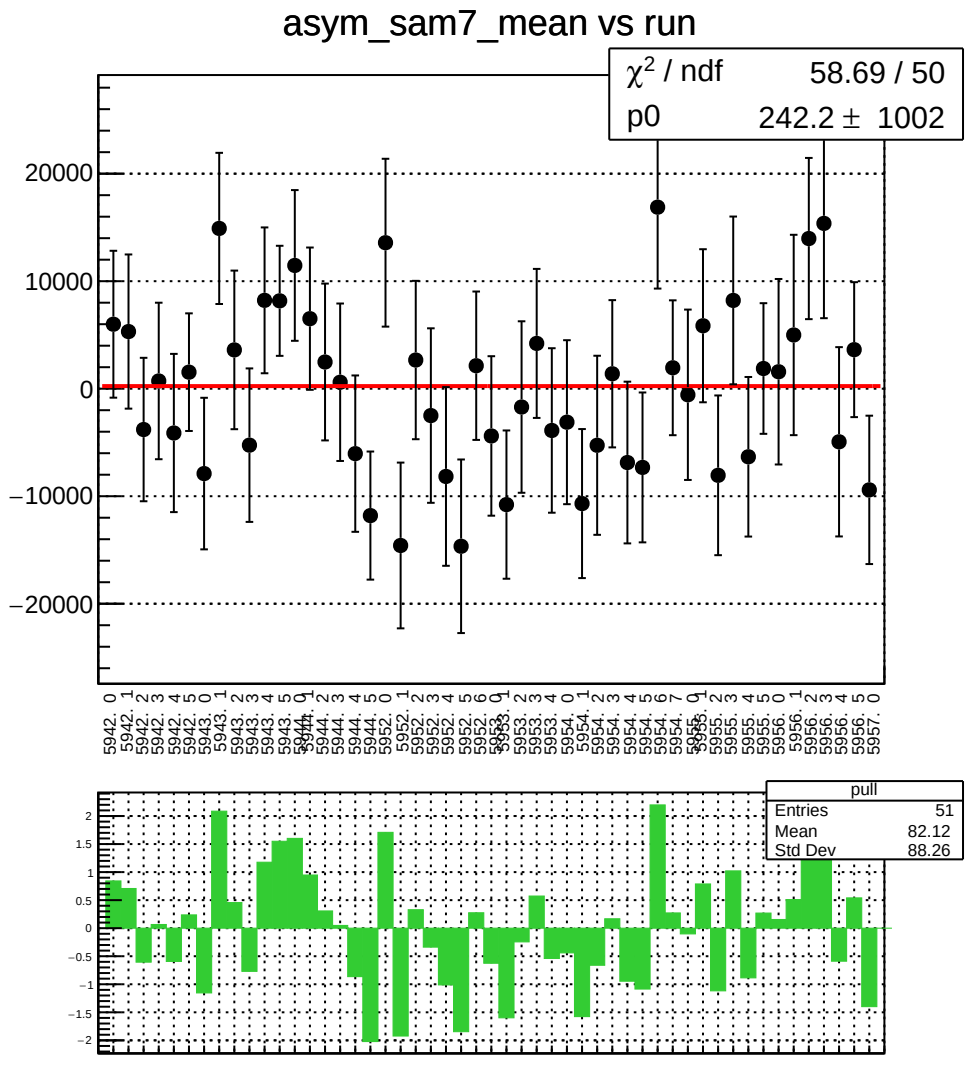

asym_sam5_mean vs run
χ² / ndf 44.23 / 50
p0 1153 ± 1682
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5952. 9
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
5956. 0
5957. 0
pull
Entries 51
Mean 97.87
Std Dev 69.38
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 51
Mean 0.01499
Std Dev 0.9311
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

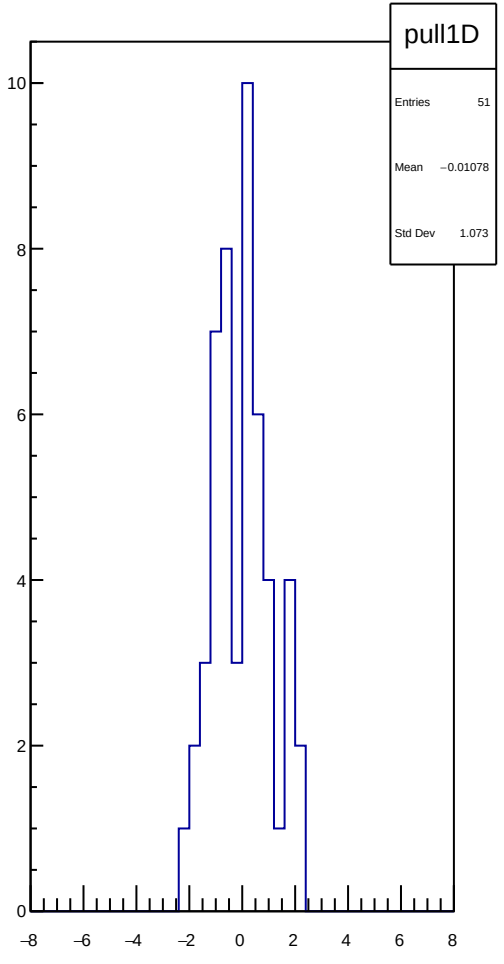

asym_sam5_rms vs run
χ² / ndf 3160 / 50
p0 1180 ± 1.19
1400
1350
1300
1250
1200
1150
1100
1050
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 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

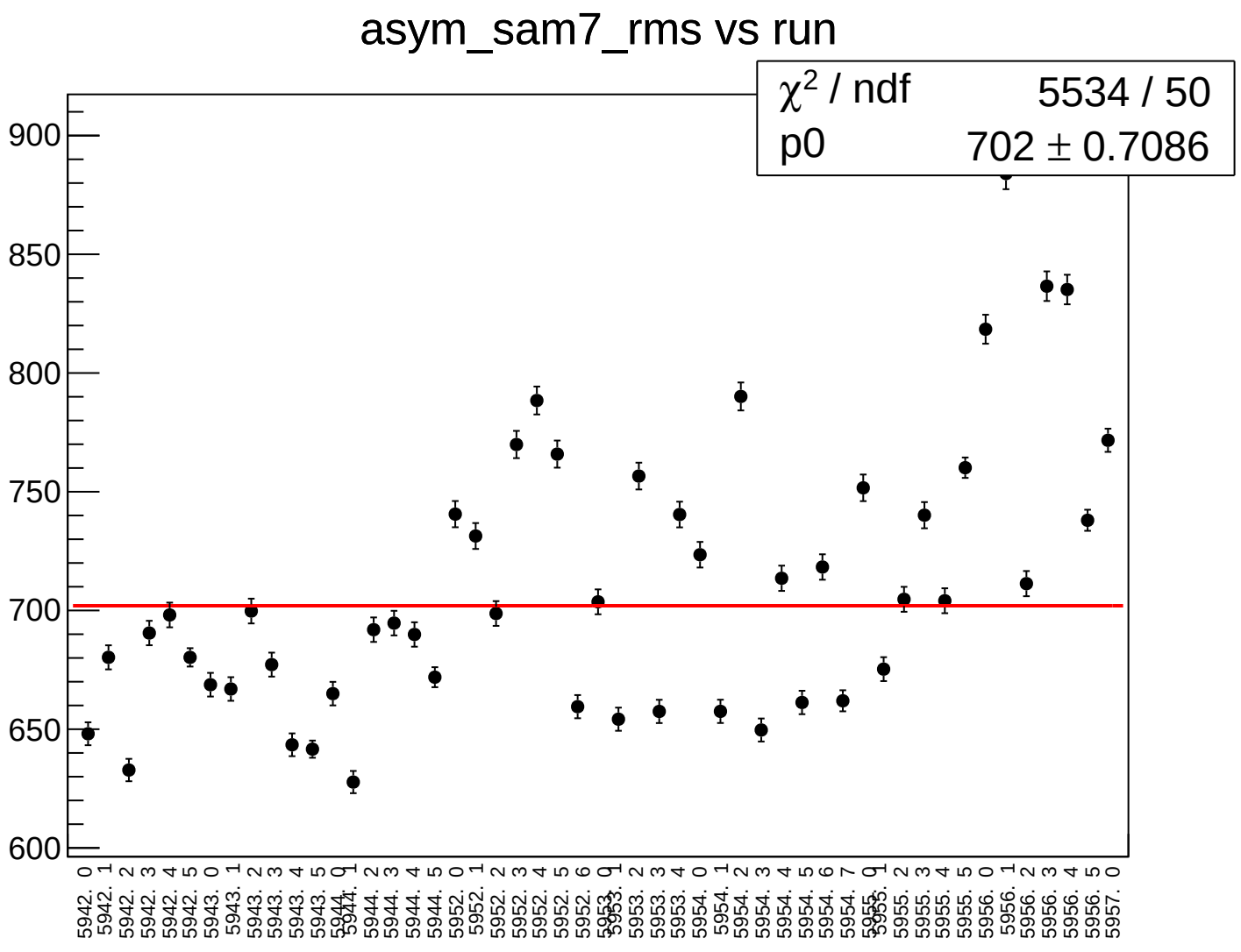

asym_sam6_mean vs run
χ² / ndf 54.95 / 50
p0 283.6 ± 1881
40000
20000
0
−20000
−40000
pull
Entries 51
Mean 111.5
Std Dev 98.66

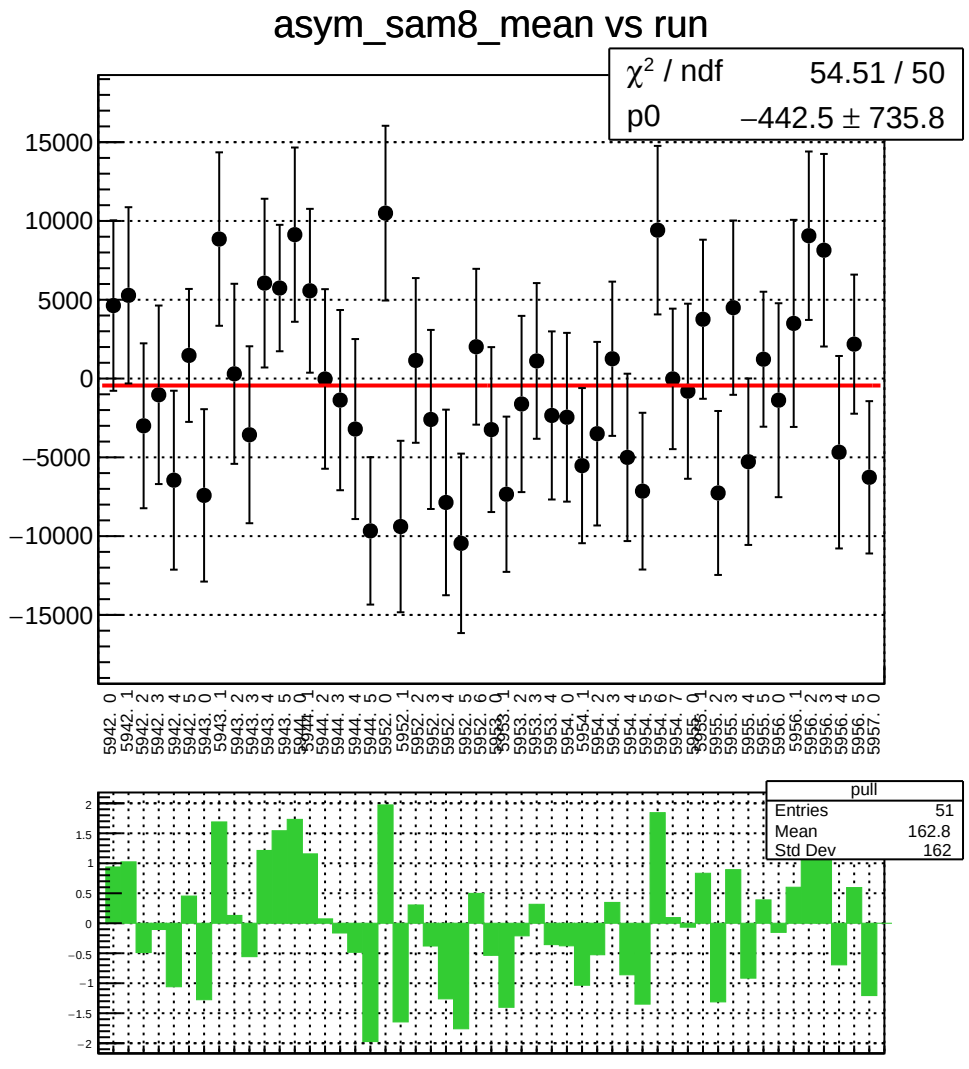

pull1D
Entries 51
Mean 0.01149
Std Dev 1.038

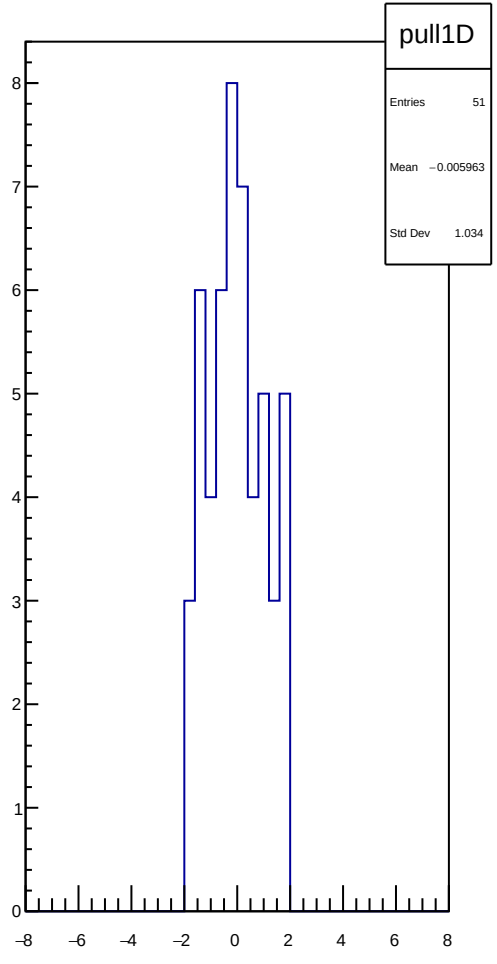

asym_sam6_rms vs run
χ² / ndf 2130 / 50
p0 1320 ± 1.33
1550
1500
1450
1400
1350
1300
1250
1200
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 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

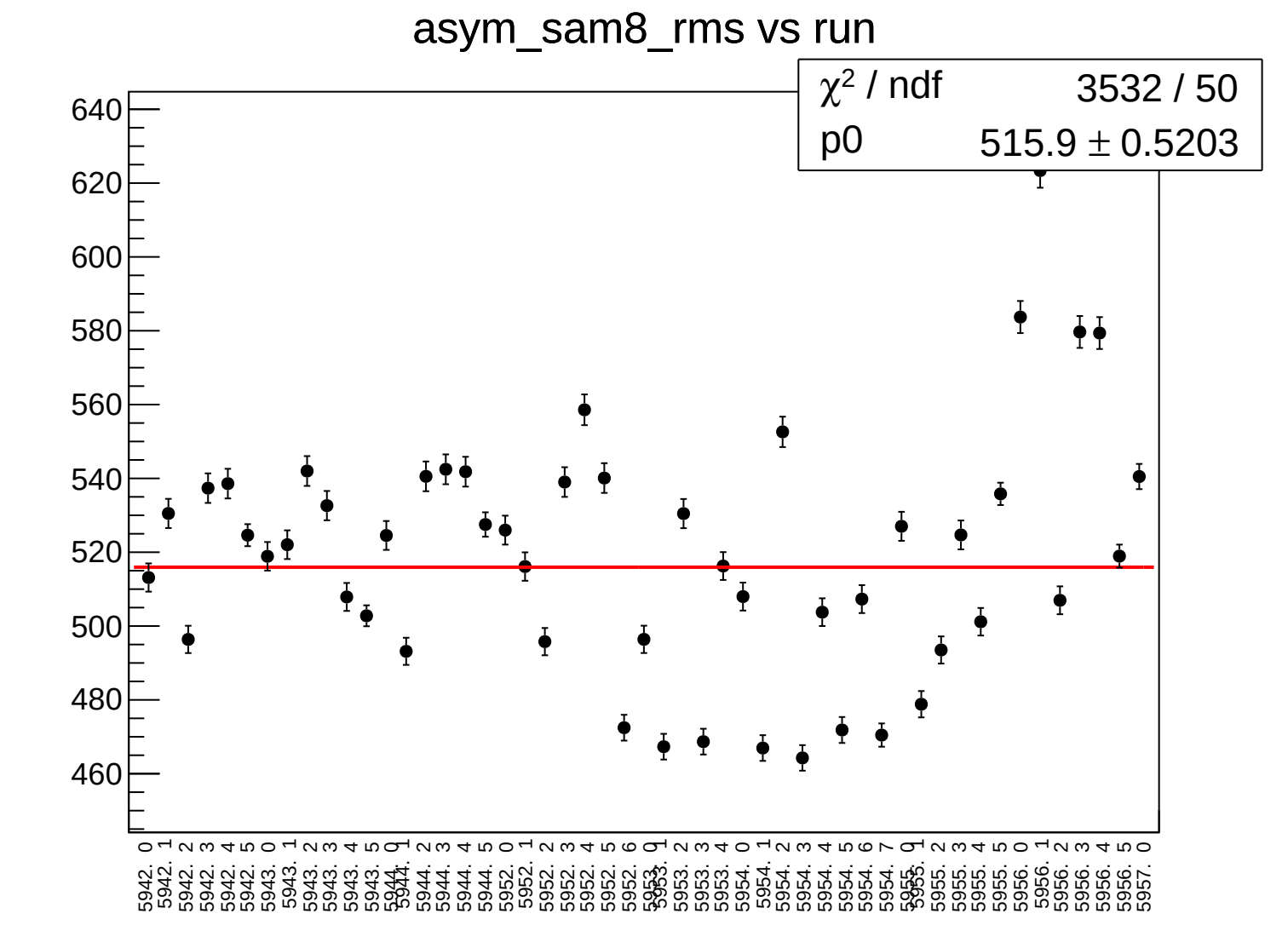

asym_sam7_mean vs run
χ² / ndf 58.69 / 50
p0 242.2 ± 1002
20000
10000
0
−10000
−20000
pull
Entries 51
Mean 82.12
Std Dev 88.26
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

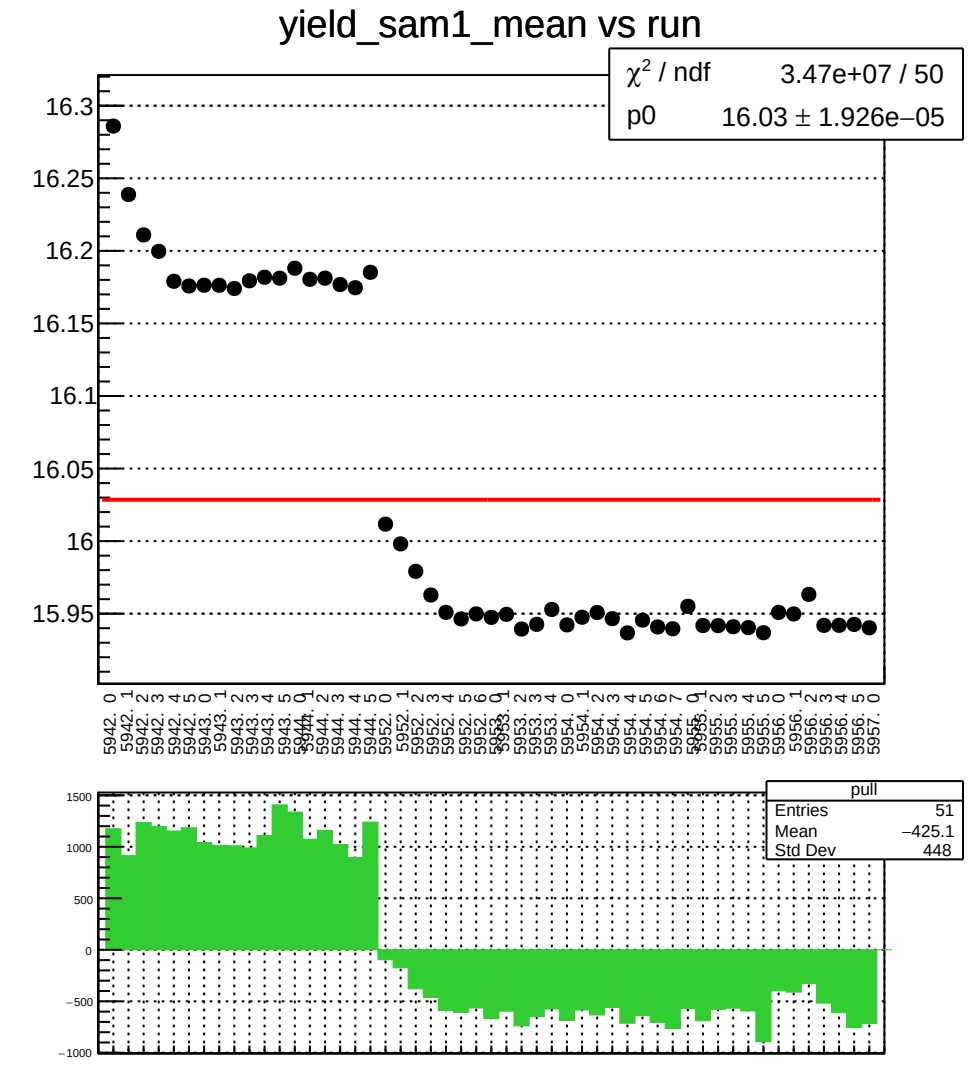

pull1D
Entries 51
Mean −0.01078
Std Dev 1.073
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

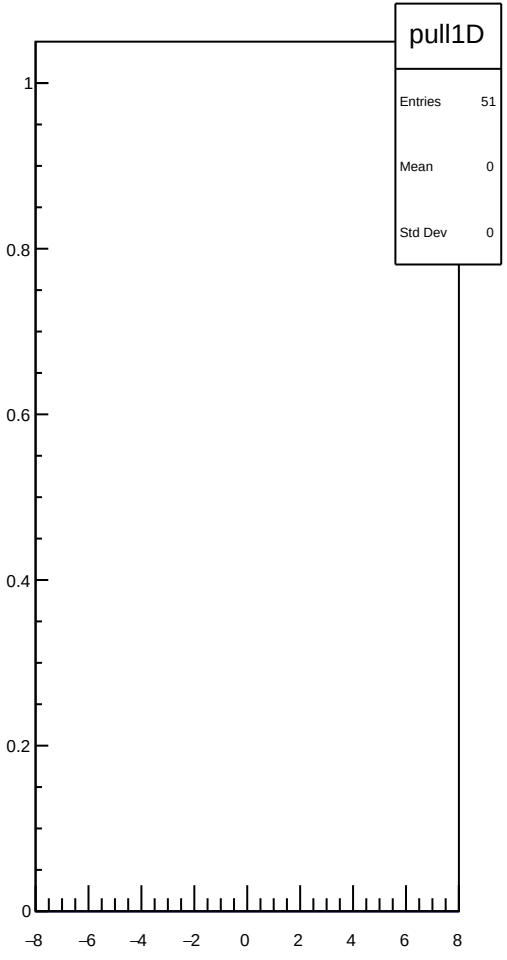

asym_sam7_rms vs run
χ² / ndf 5534 / 50
p0 702 ± 0.7086
900
850
800
750
700
650
600
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 1
5953. 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

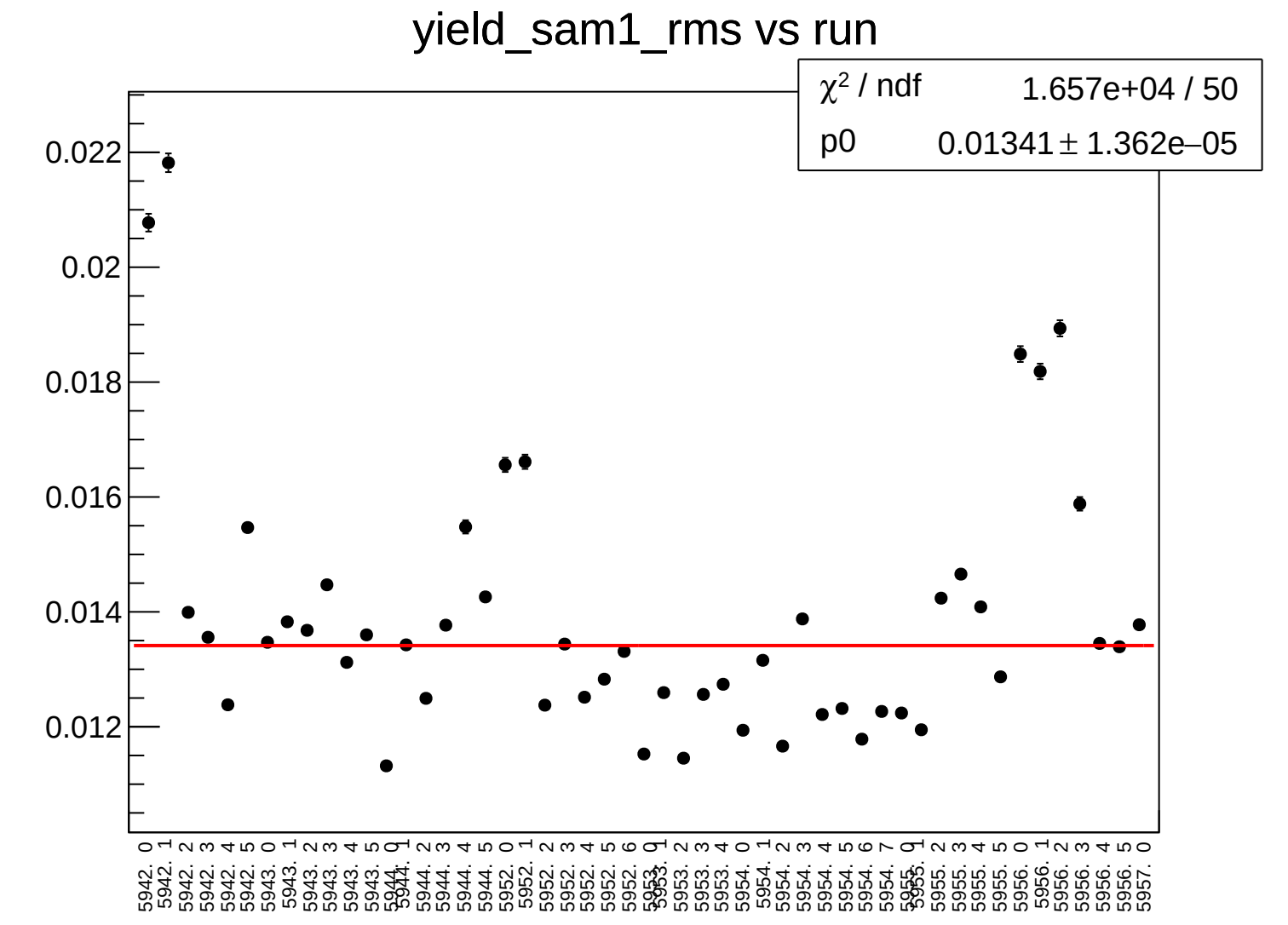

asym_sam8_mean vs run
χ² / ndf 54.51 / 50
p0 −442.5 ± 735.8
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 51
Mean 162.8
Std Dev 162
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

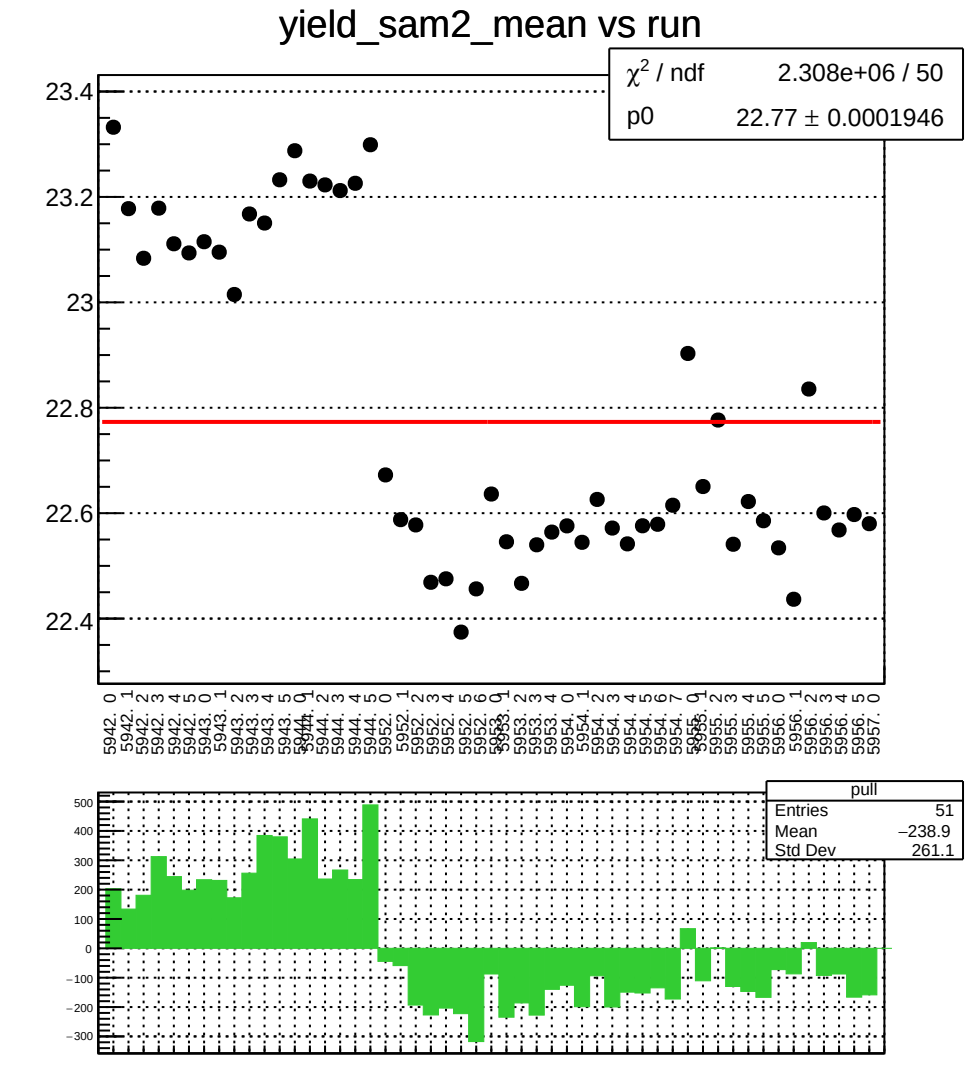

pull1D
Entries 51
Mean −0.005963
Std Dev 1.034
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

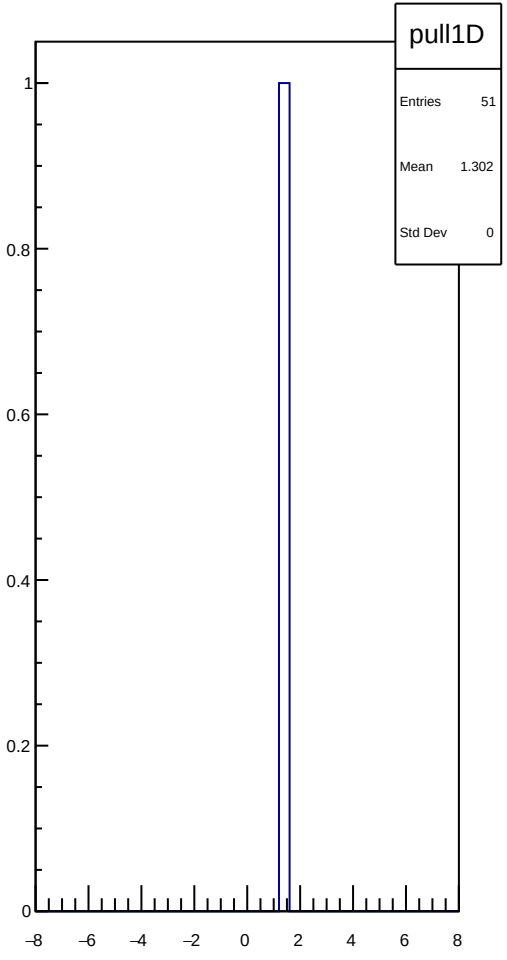

asym_sam8_rms vs run
χ² / ndf 3532 / 50
p0 515.9 ± 0.5203
640
620
600
580
560
540
520
500
480
460
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 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

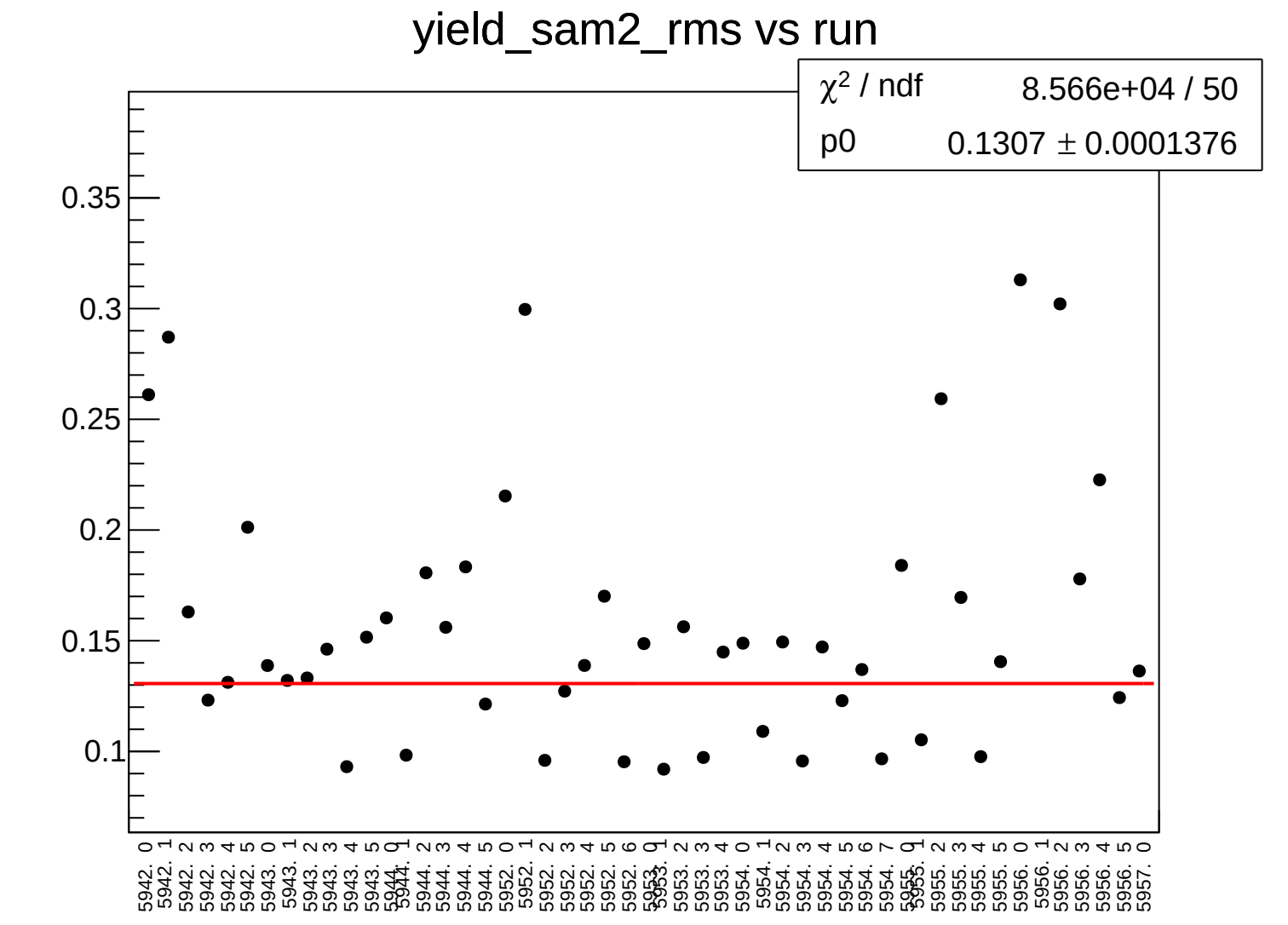

yield_sam1_mean vs run
χ² / ndf 3.47e+07 / 50
p0 16.03 ± 1.926e−05
16.3
16.25
16.2
16.15
16.1
16.05
16
15.95
pull
Entries 51
Mean −425.1
Std Dev 448
1500
1000
500
0
−500
−1000

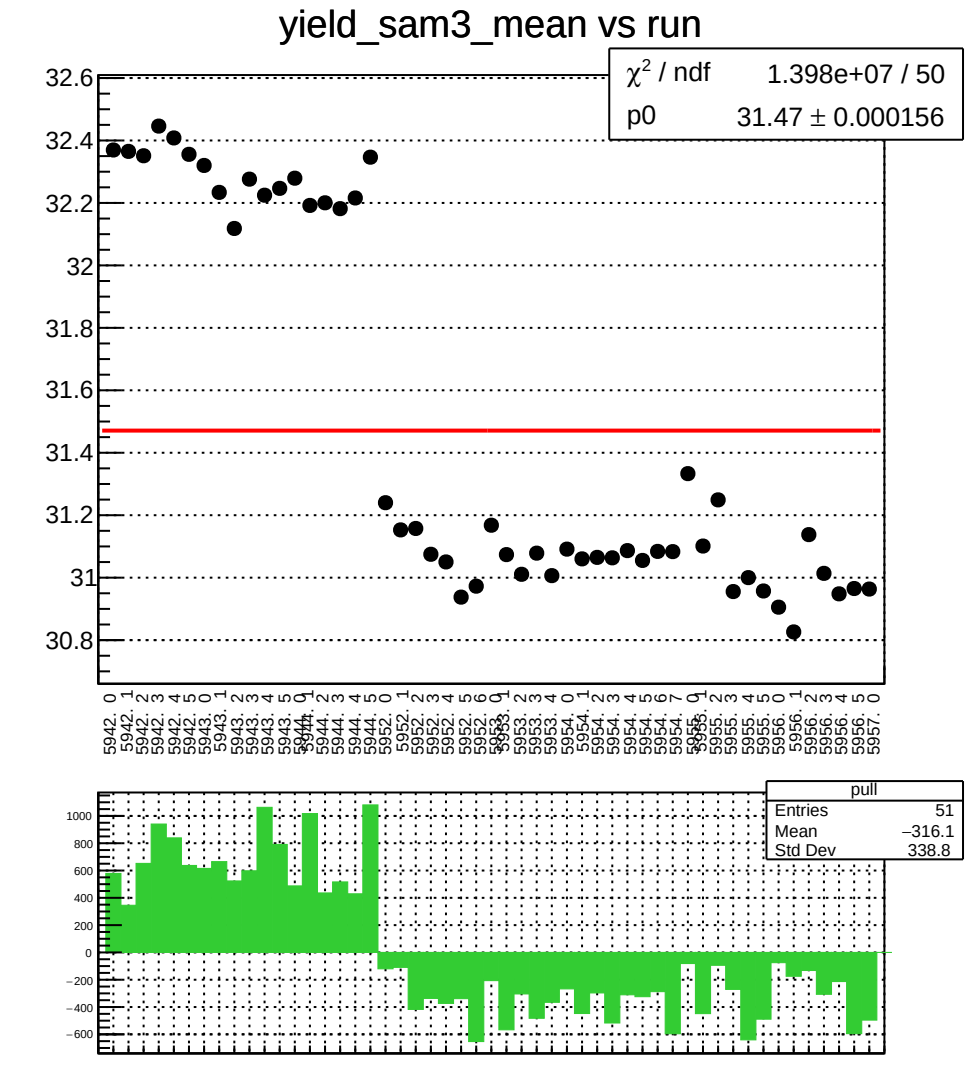

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

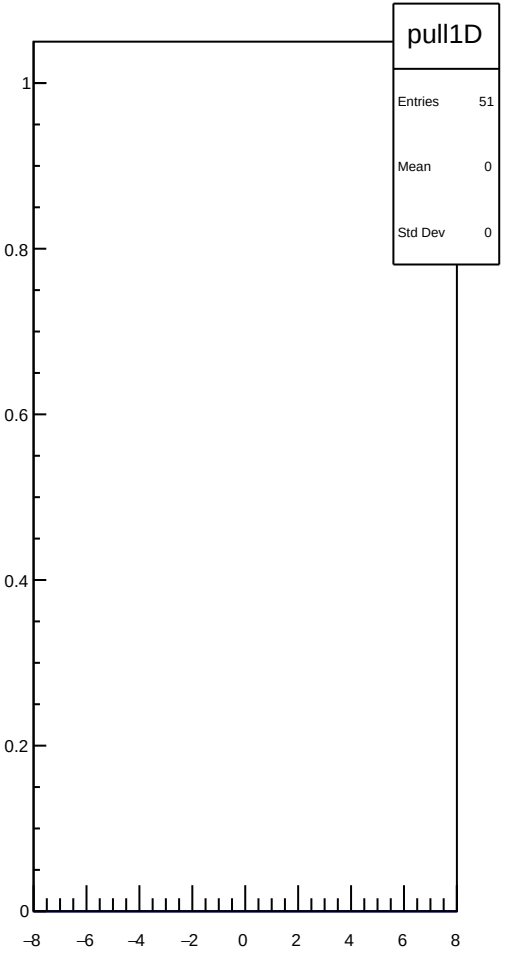

yield_sam1_rms vs run
χ² / ndf 1.657e+04 / 50
p0 0.01341 ± 1.362e–05
0.022
0.02
0.018
0.016
0.014
0.012
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 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

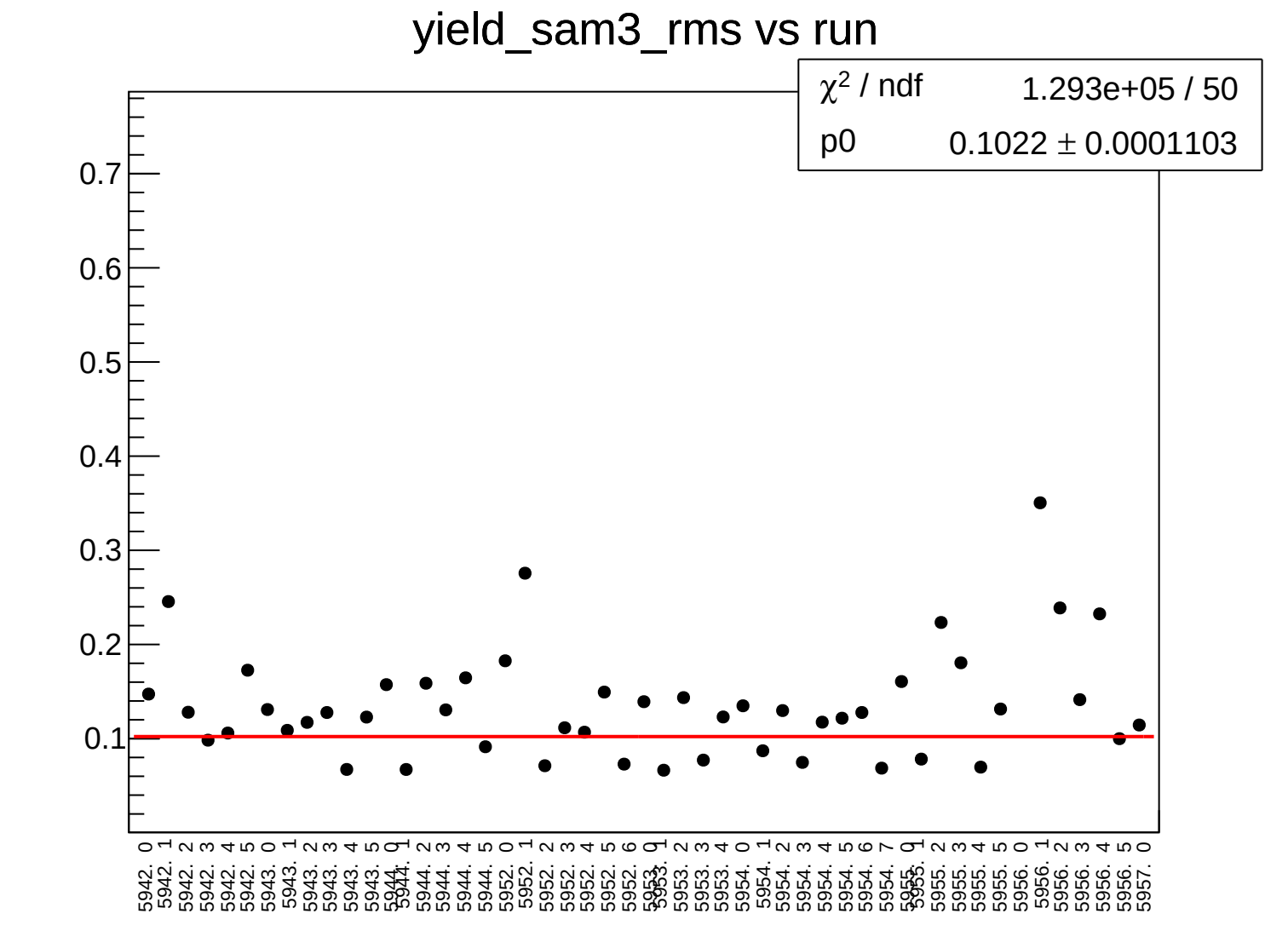

yield_sam2_mean vs run
χ² / ndf 2.308e+06 / 50
p0 22.77 ± 0.0001946
23.4
23.2
23
22.8
22.6
22.4
pull
Entries 51
Mean −238.9
Std Dev 261.1
500
400
300
200
100
0
−100
−200
−300

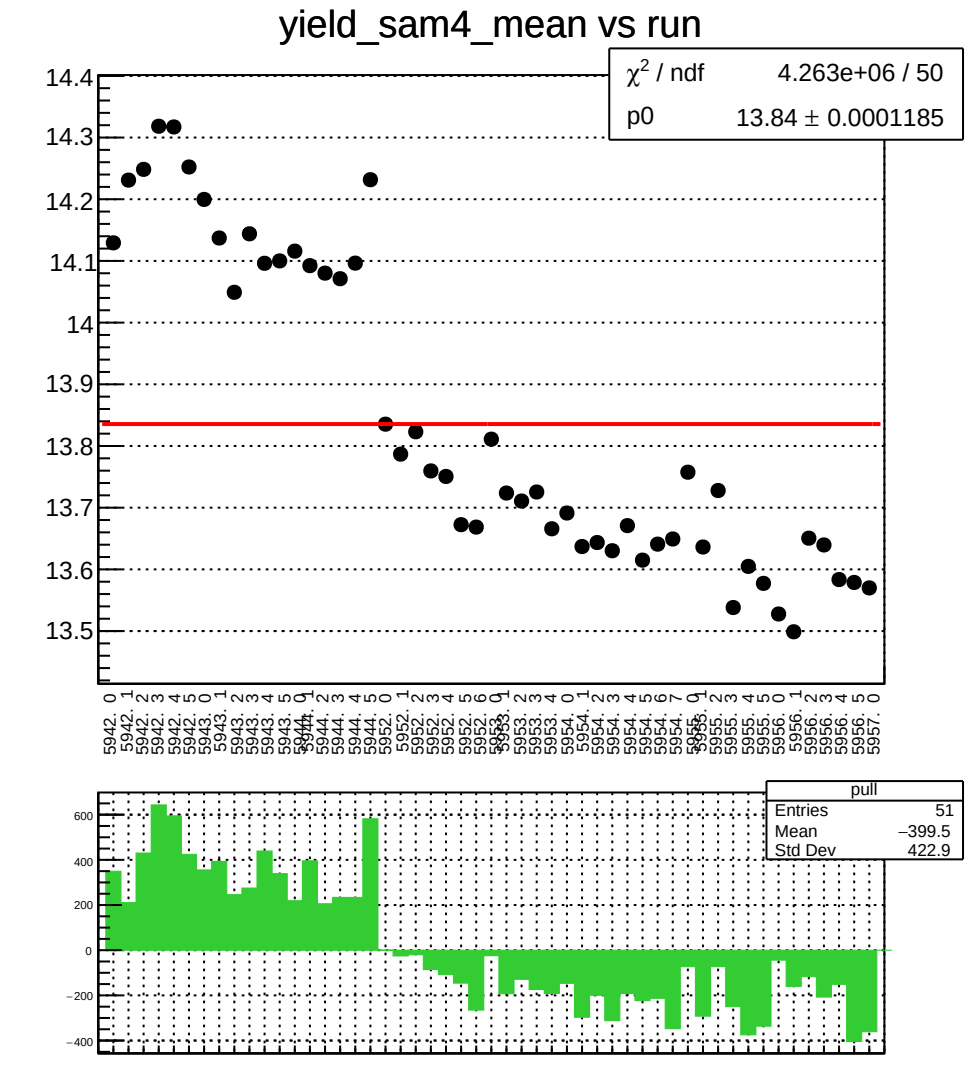

pull1D
Entries 51
Mean 1.302
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

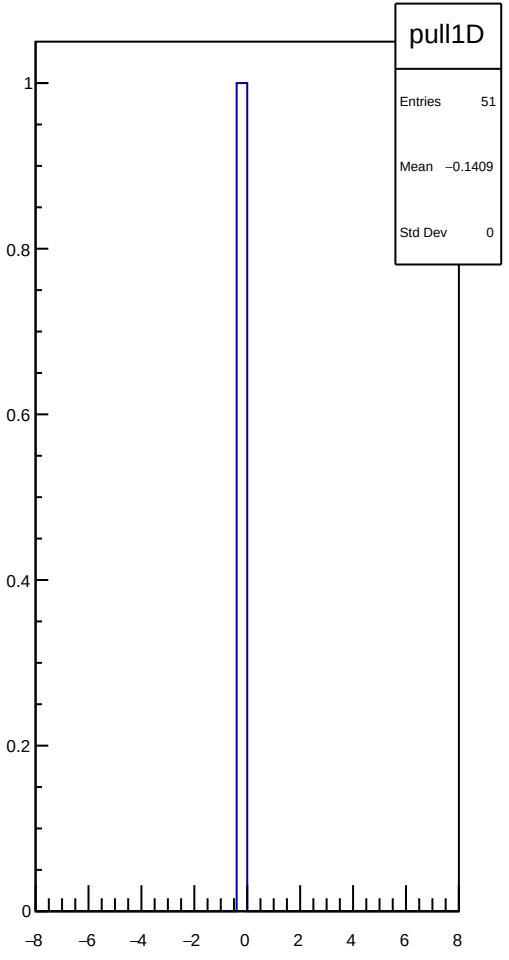

yield_sam2_rms vs run
χ² / ndf 8.566e+04 / 50
p0 0.1307 ± 0.0001376
0.35
0.3
0.25
0.2
0.15
0.1
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 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

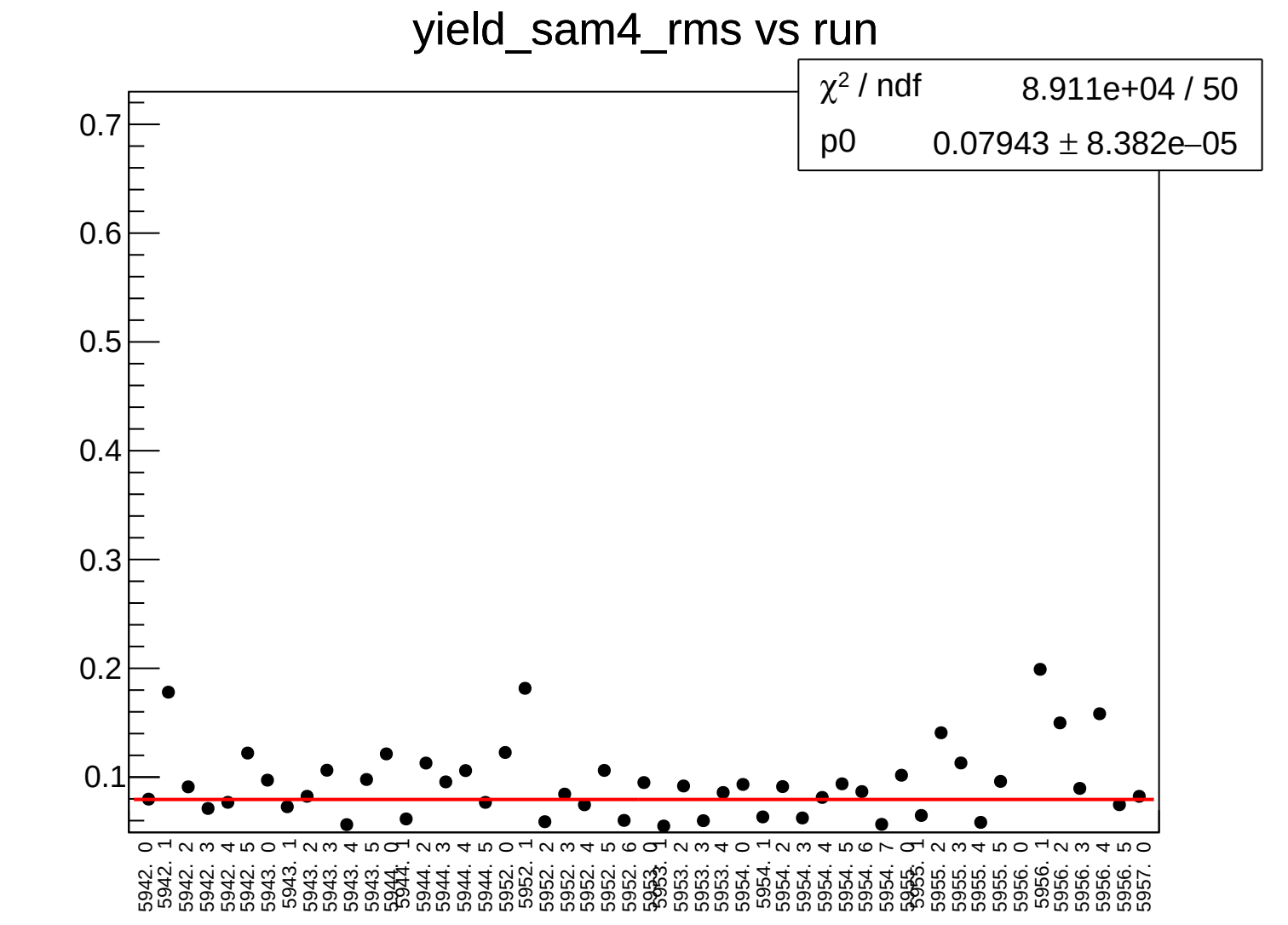

yield_sam3_mean vs run
χ² / ndf 1.398e+07 / 50
p0 31.47 ± 0.000156
pull
Entries 51
Mean −316.1
Std Dev 338.8

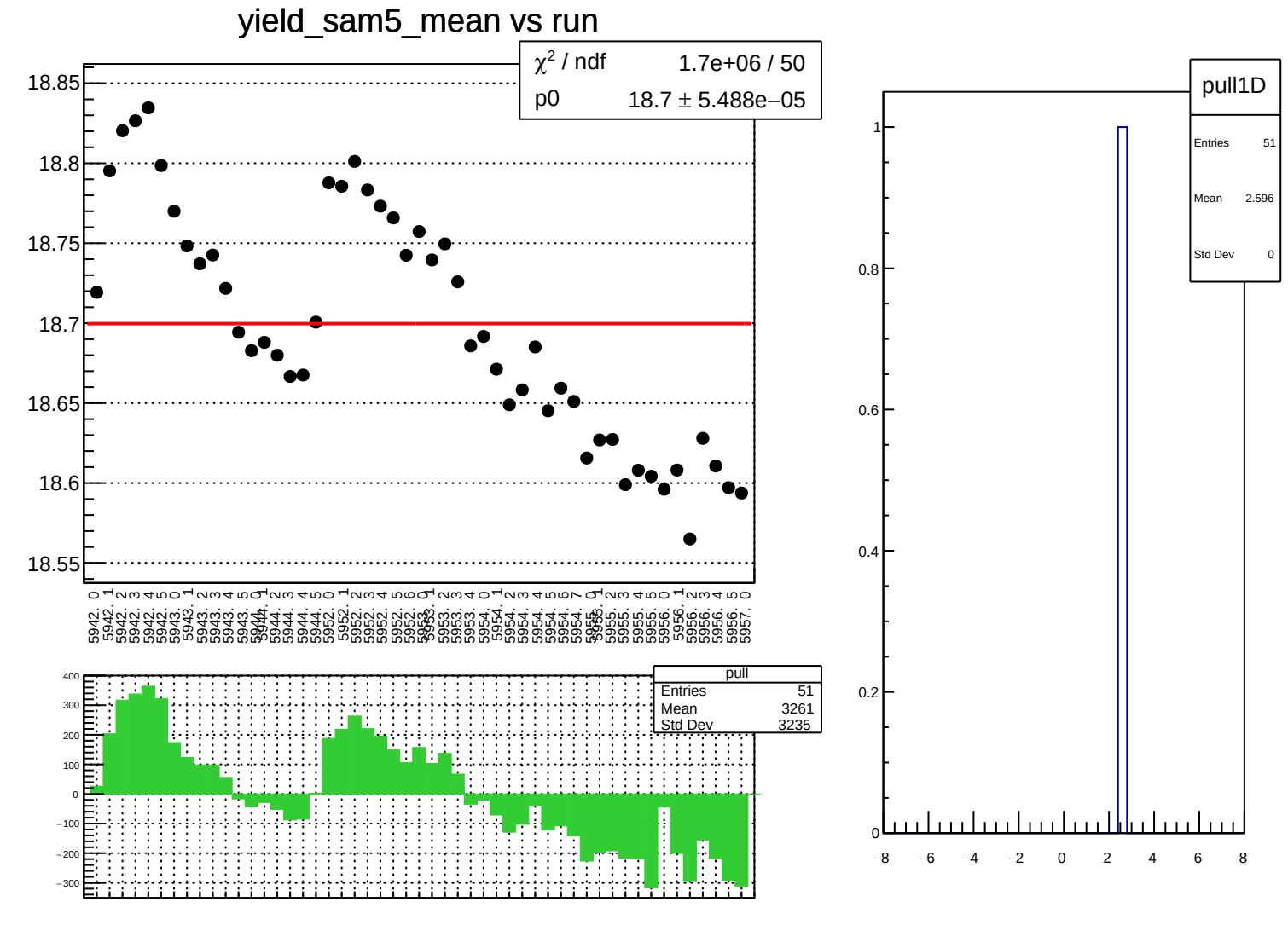

pull1D
Entries 51
Mean 0
Std Dev 0

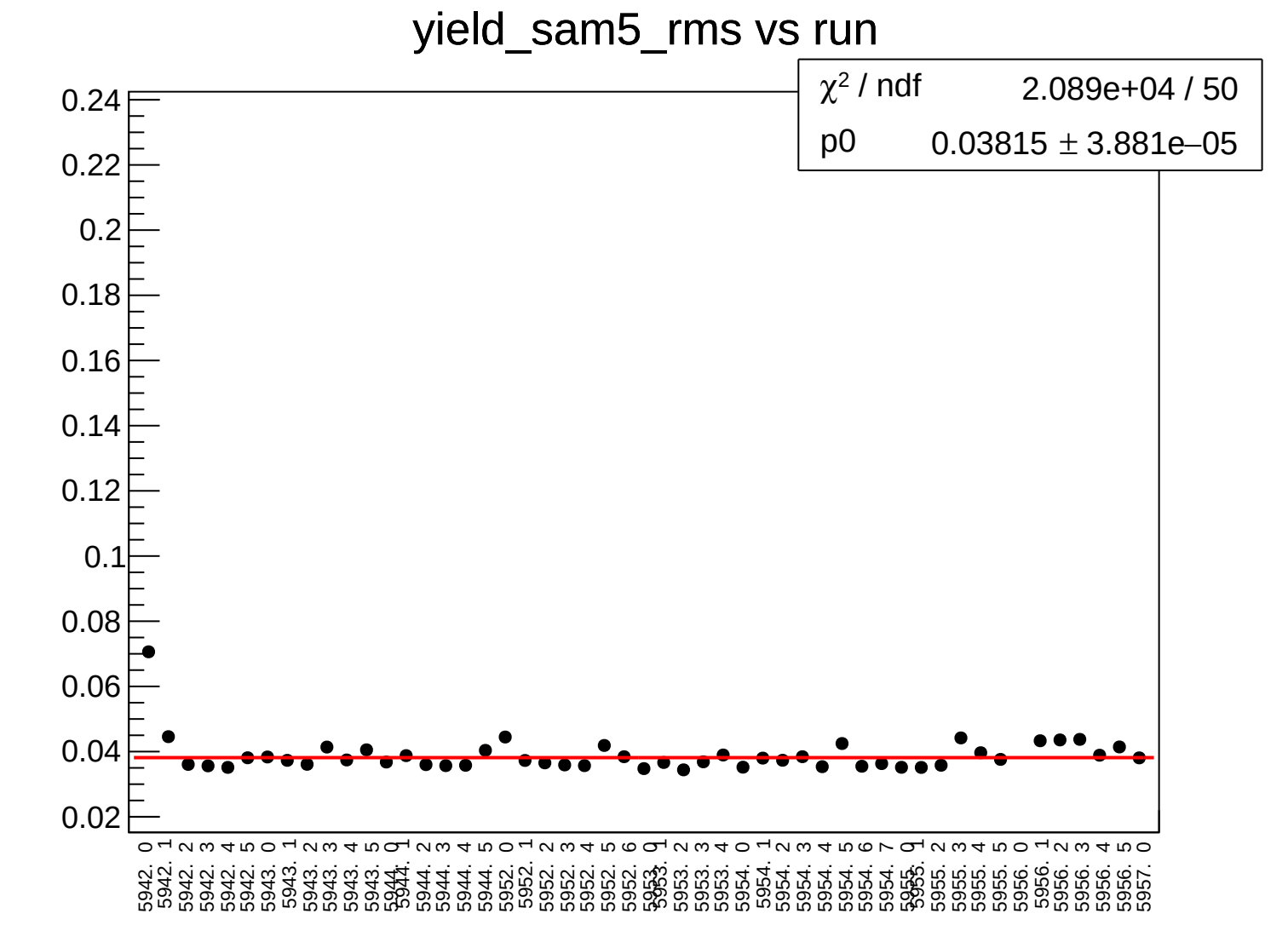

yield_sam3_rms vs run
χ² / ndf 1.293e+05 / 50
p0 0.1022 ± 0.0001103
0.7
0.6
0.5
0.4
0.3
0.2
0.1
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 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

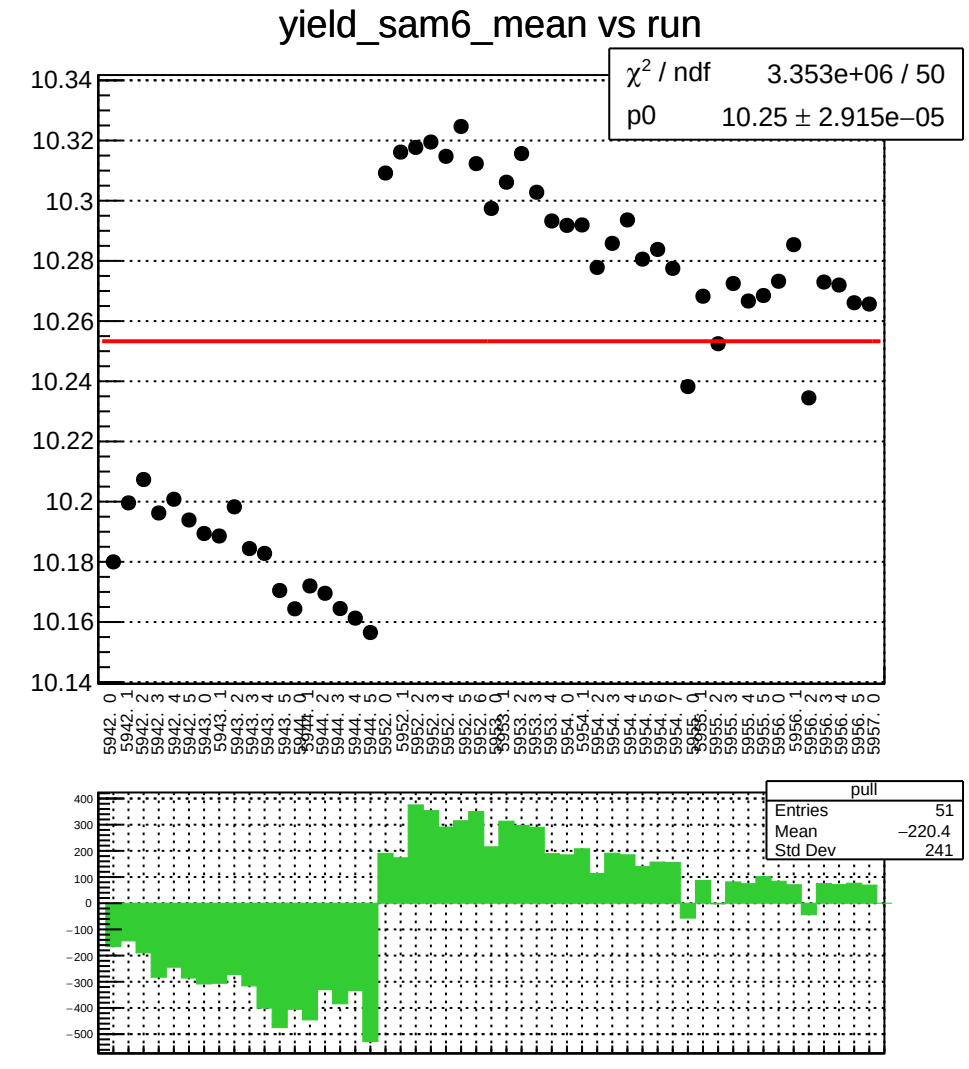

yield_sam4_mean vs run
χ² / ndf 4.263e+06 / 50
p0 13.84 ± 0.0001185
14.4
14.3
14.2
14.1
14
13.9
13.8
13.7
13.6
13.5
pull
Entries 51
Mean −399.5
Std Dev 422.9
600
400
200
0
−200
−400

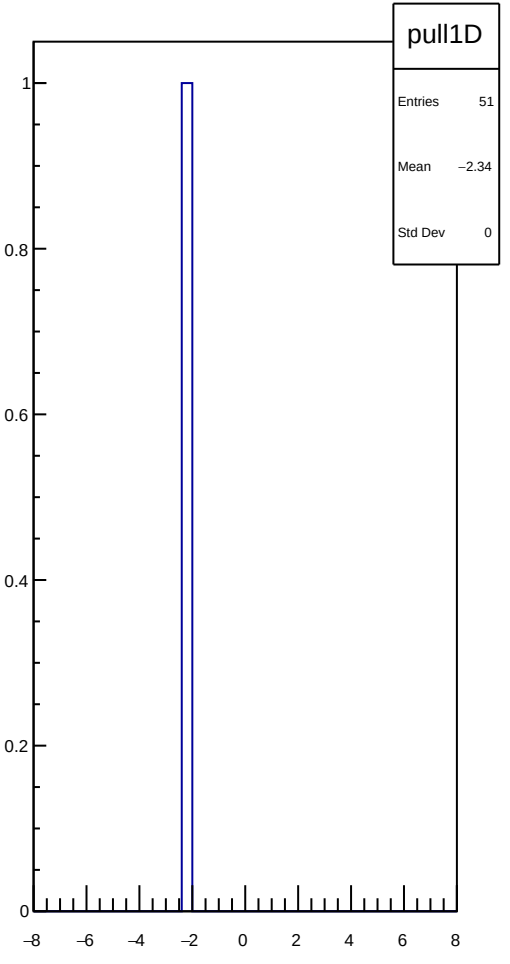

pull1D
Entries 51
Mean −0.1409
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

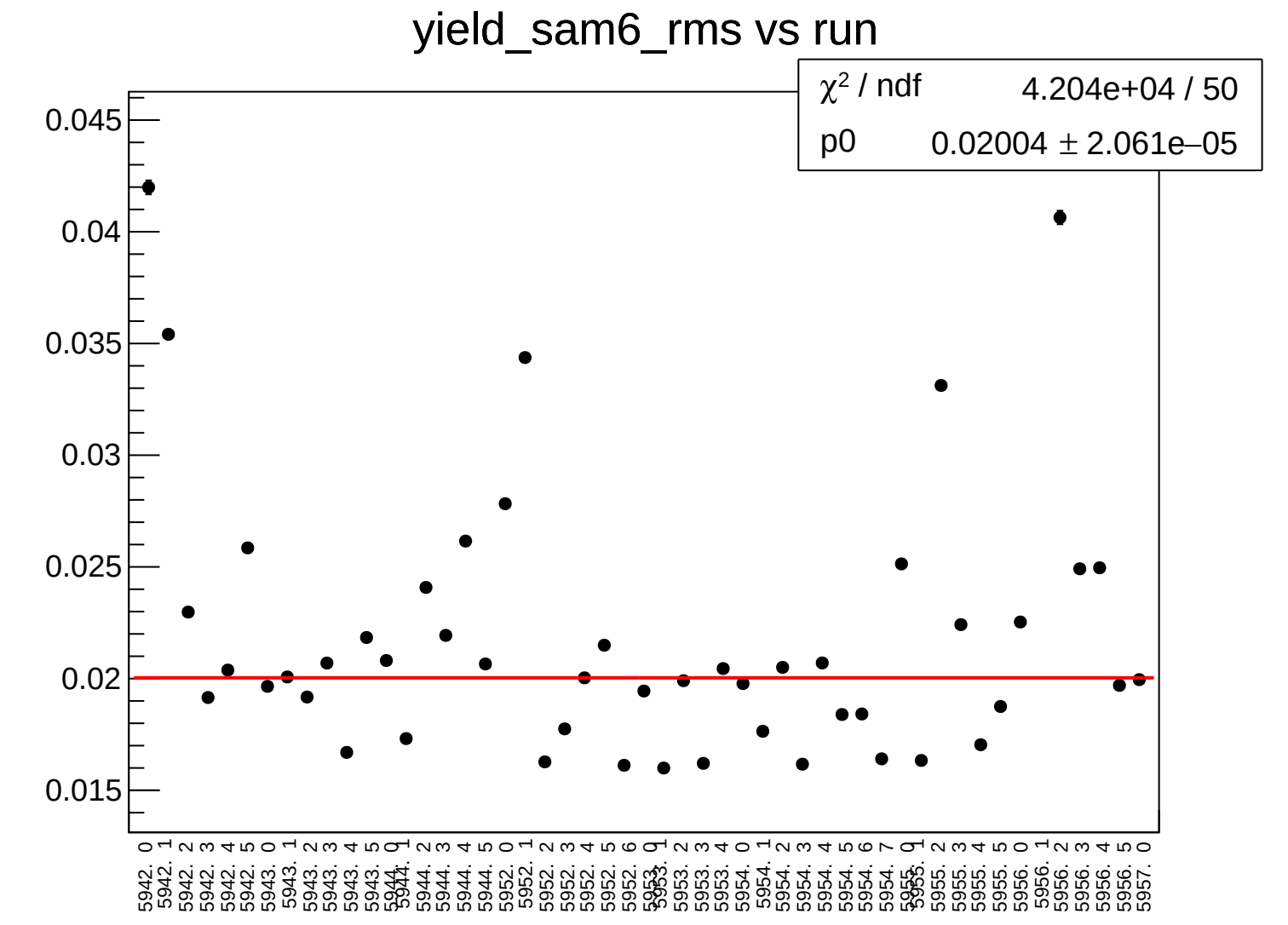

yield_sam4_rms vs run
χ² / ndf 8.911e+04 / 50
p0 0.07943 ± 8.382e–05
0.7
0.6
0.5
0.4
0.3
0.2
0.1
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 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

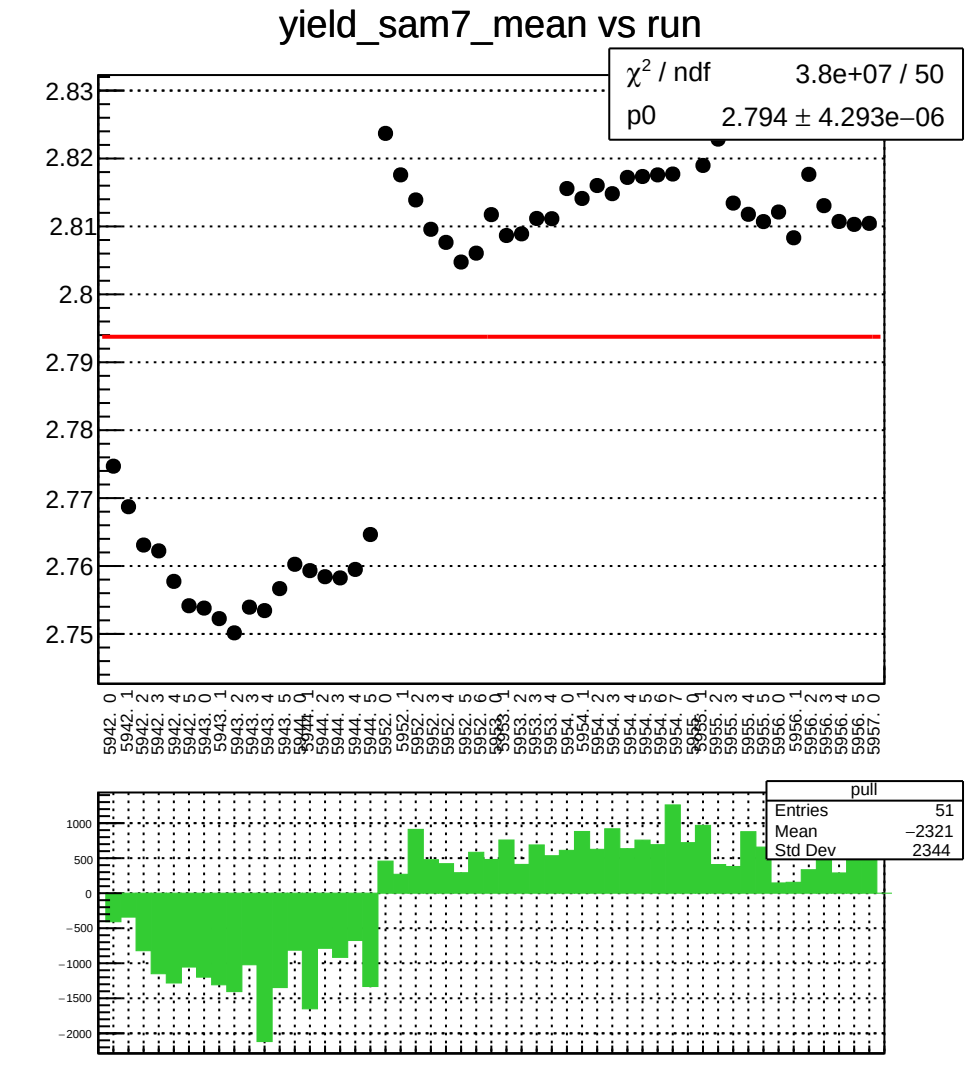

yield_sam5_mean vs run
χ² / ndf 1.7e+06 / 50
p0 18.7 ± 5.488e−05
18.85
18.8
18.75
18.7
18.65
18.6
18.55
pull
Entries 51
Mean 3261
Std Dev 3235
400
300
200
100
0
−100
−200
−300
pull1D
Entries 51
Mean 2.596
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

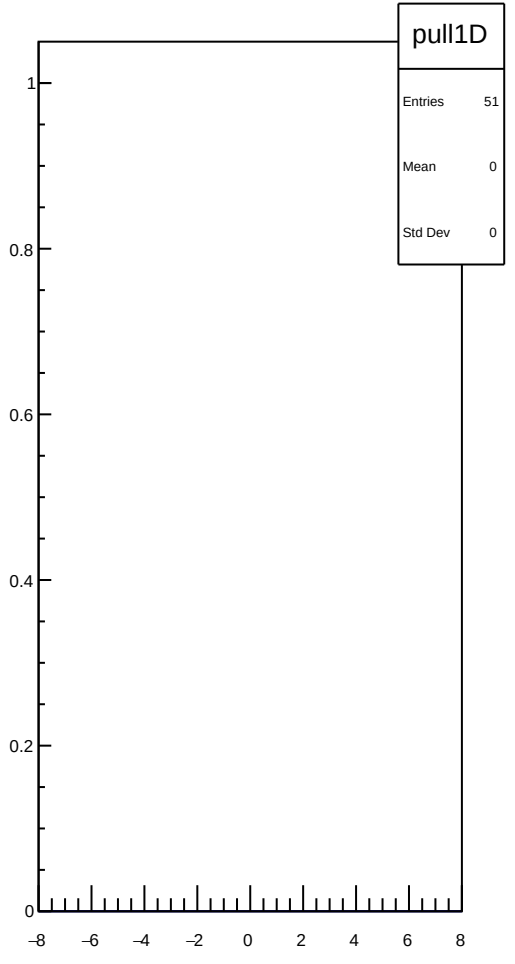

yield_sam5_rms vs run
χ² / ndf 2.089e+04 / 50
p0 0.03815 ± 3.881e–05
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 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

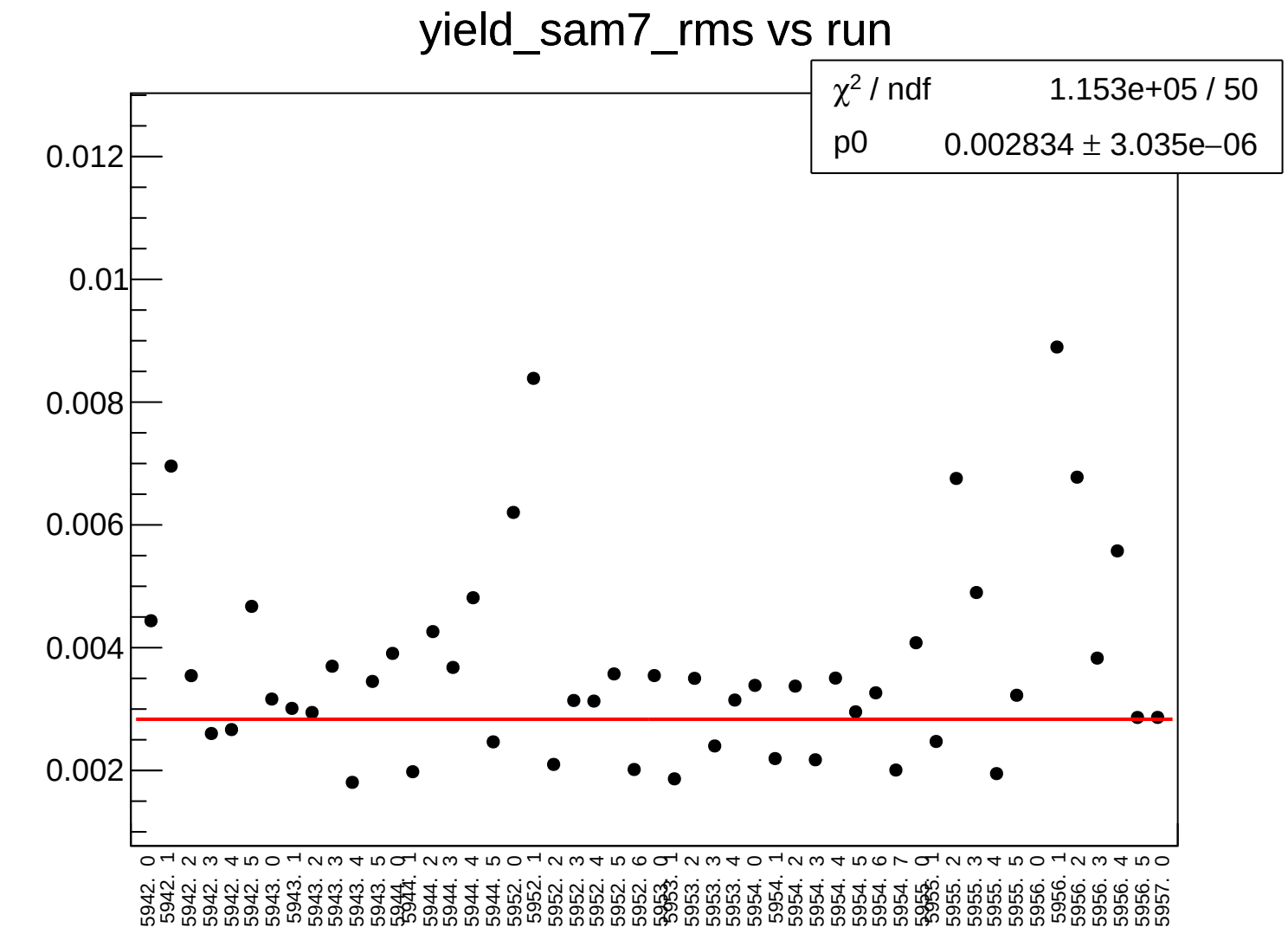

yield_sam6_mean vs run
χ² / ndf 3.353e+06 / 50
p0 10.25 ± 2.915e−05
10.34
10.32
10.3
10.28
10.26
10.24
10.22
10.2
10.18
10.16
10.14
pull
Entries 51
Mean −220.4
Std Dev 241
400
300
200
100
0
−100
−200
−300
−400
−500

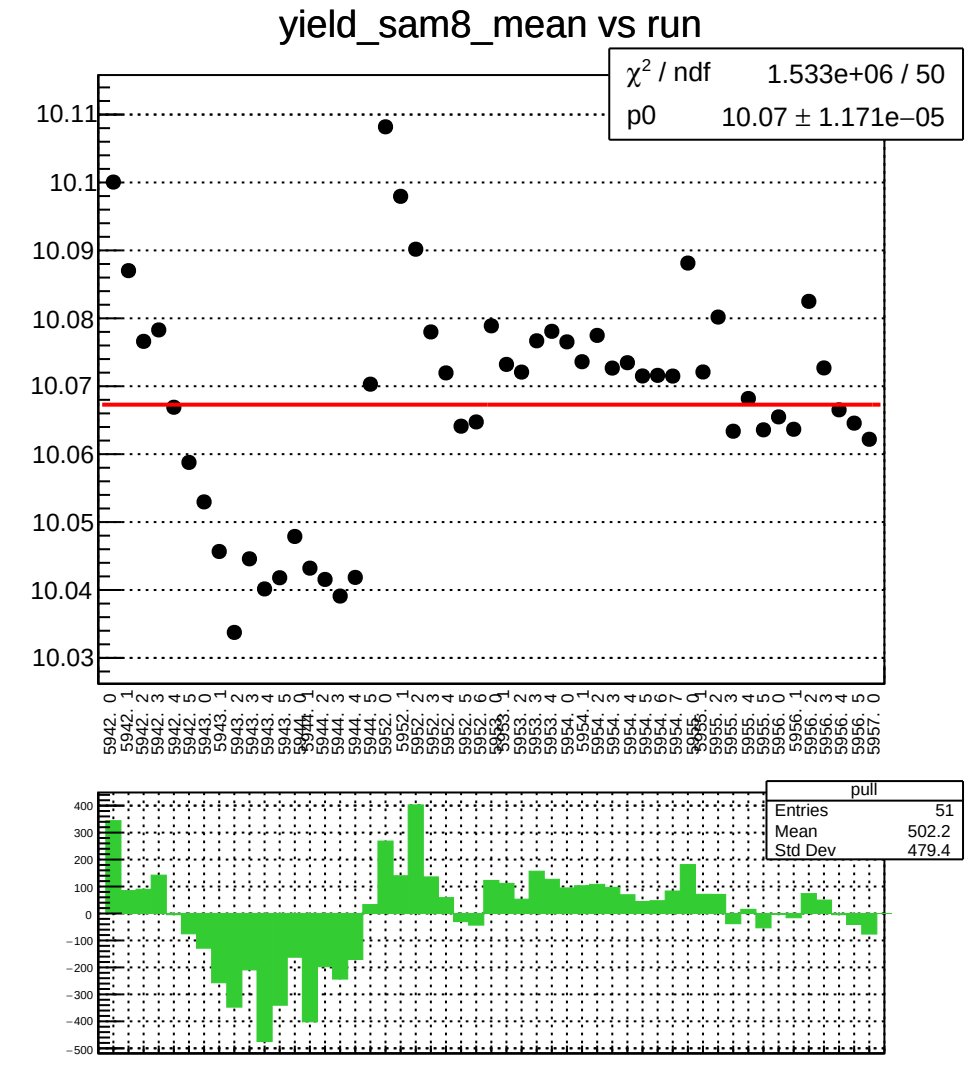

pull1D
Entries 51
Mean −2.34
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

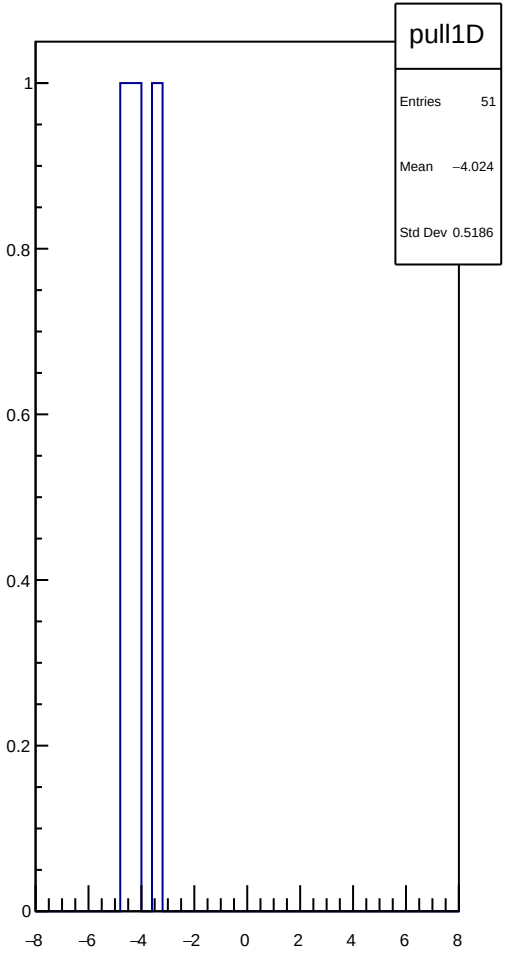

yield_sam6_rms vs run
χ² / ndf 4.204e+04 / 50
p0 0.02004 ± 2.061e−05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 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

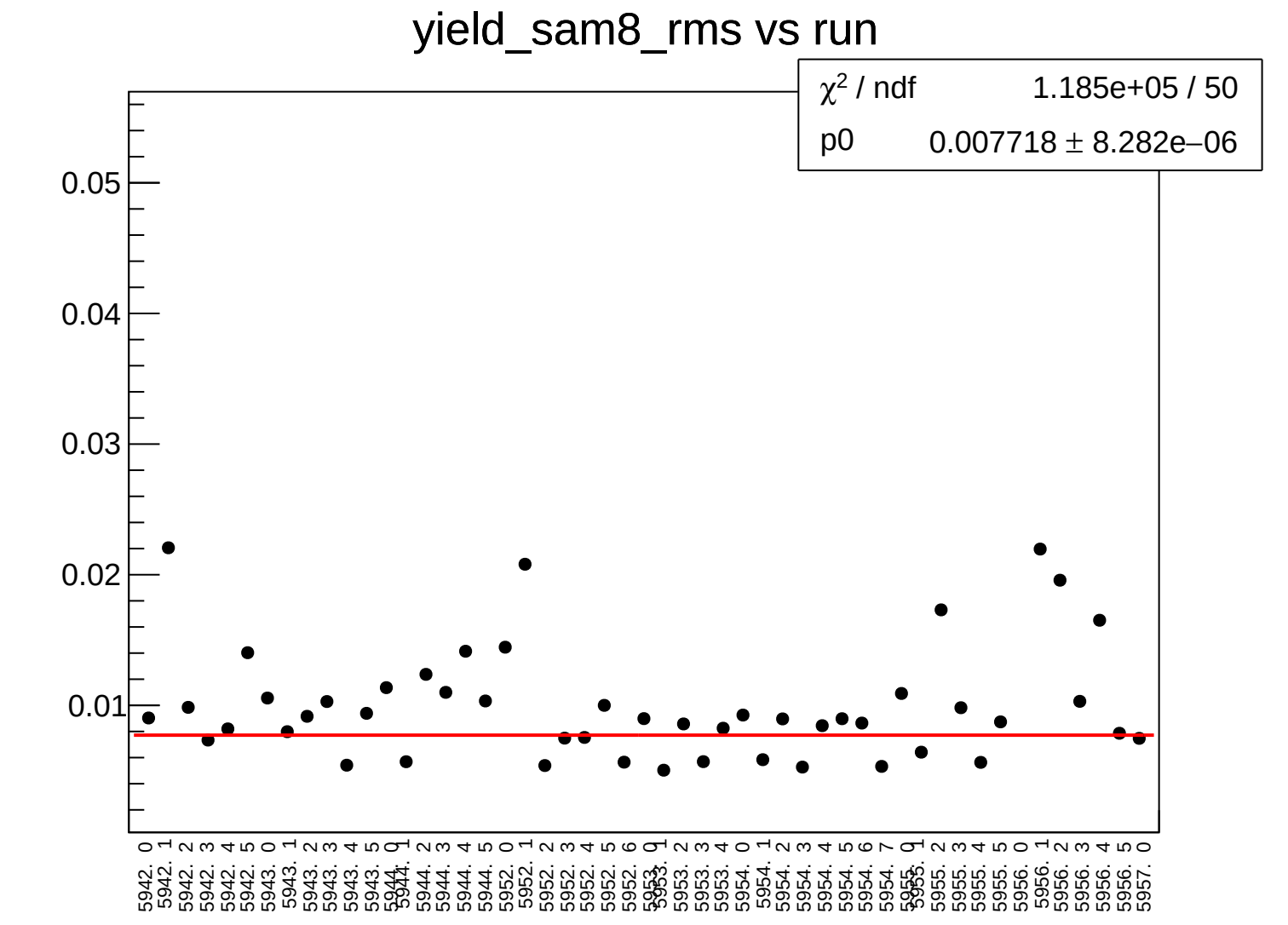

yield_sam7_mean vs run
χ² / ndf 3.8e+07 / 50
p0 2.794 ± 4.293e−06
2.83
2.82
2.81
2.8
2.79
2.78
2.77
2.76
2.75
pull
Entries 51
Mean −2321
Std Dev 2344
1000
500
0
−500
−1000
−1500
−2000

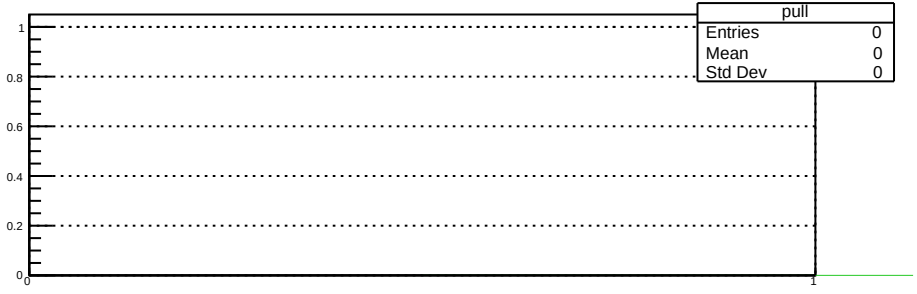

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

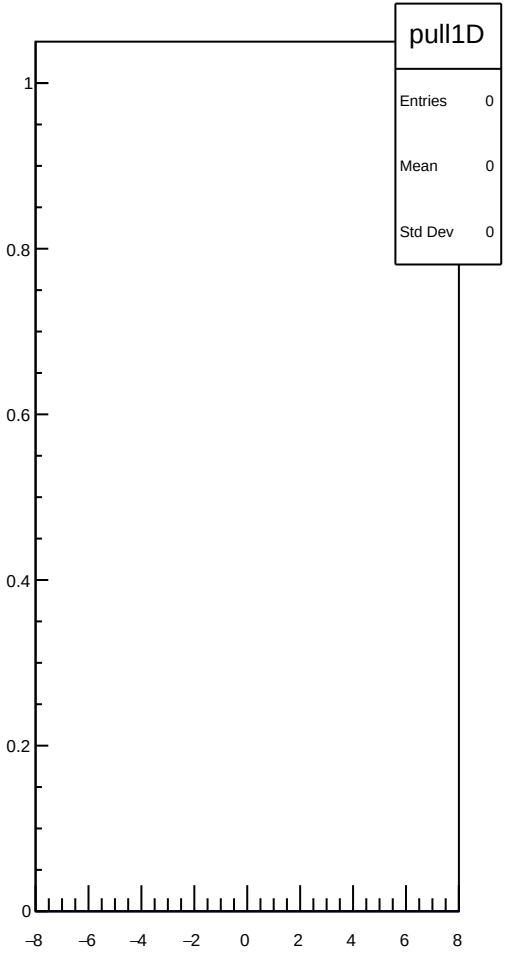

yield_sam7_rms vs run
χ² / ndf 1.153e+05 / 50
p0 0.002834 ± 3.035e−06
0.012
0.01
0.008
0.006
0.004
0.002
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 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

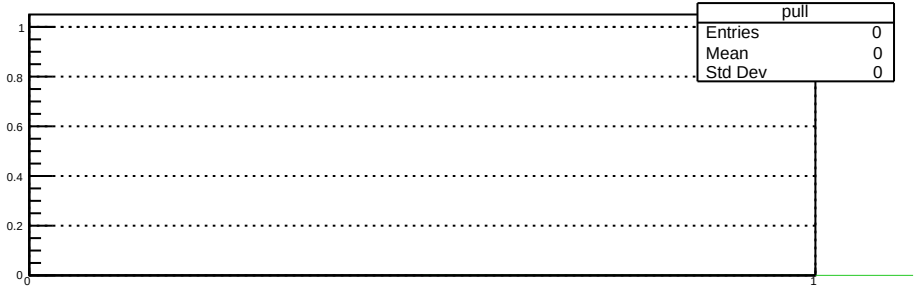

yield_sam8_mean vs run
χ² / ndf 1.533e+06 / 50
p0 10.07 ± 1.171e−05
pull
Entries 51
Mean 502.2
Std Dev 479.4

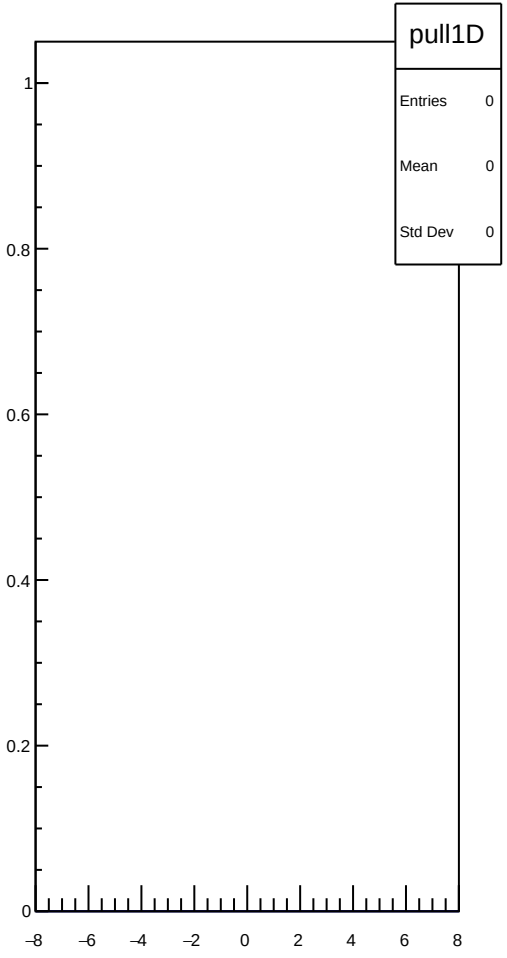

pull1D
Entries 51
Mean −4.024
Std Dev 0.5186

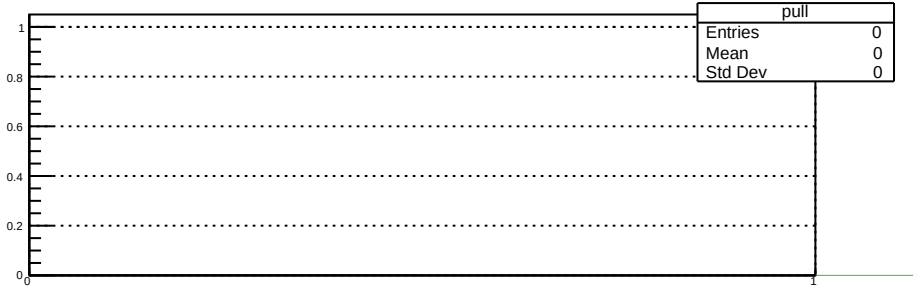

yield_sam8_rms vs run
χ² / ndf 1.185e+05 / 50
p0 0.007718 ± 8.282e−06
0.05
0.04
0.03
0.02
0.01
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 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

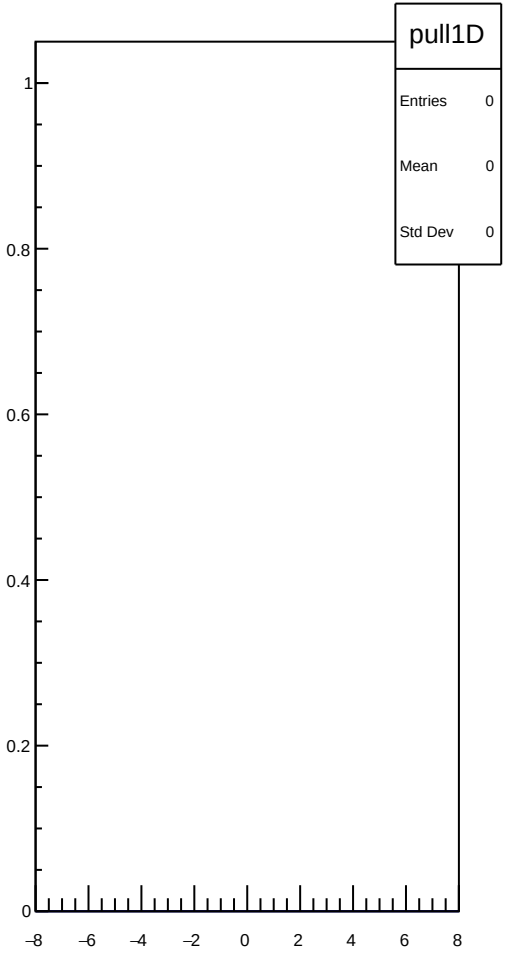

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

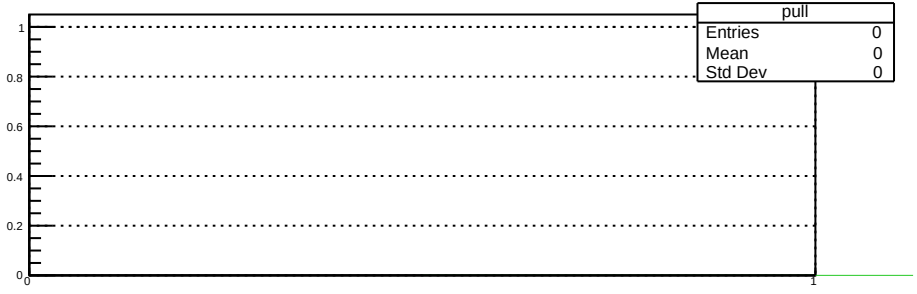

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

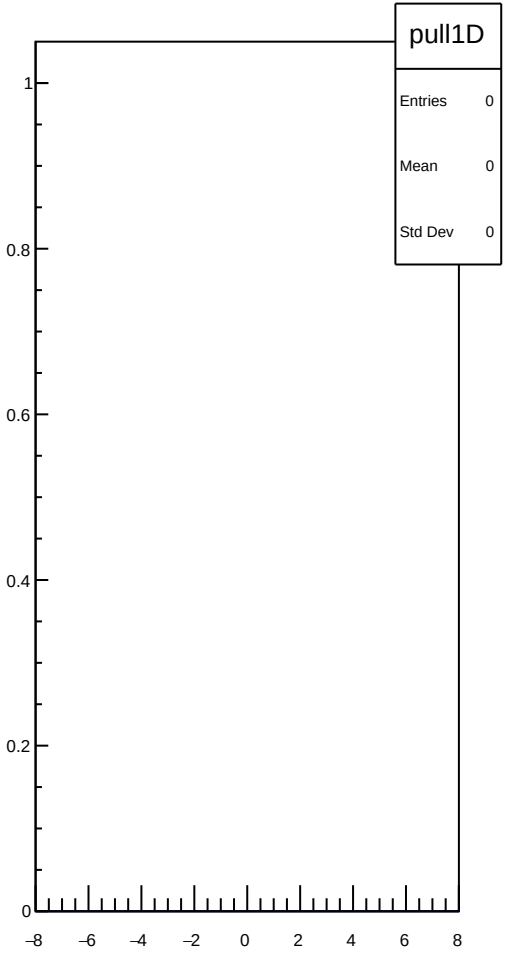

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

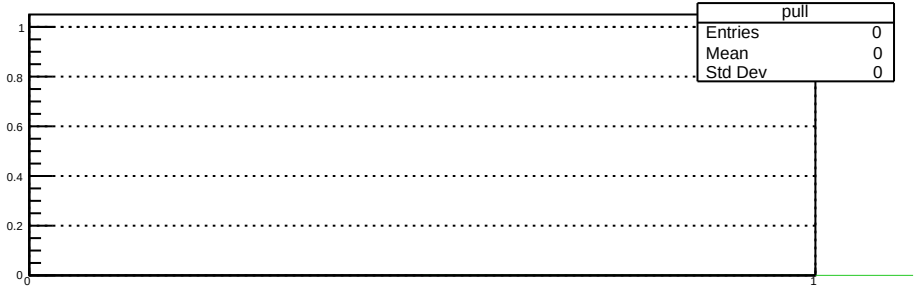

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

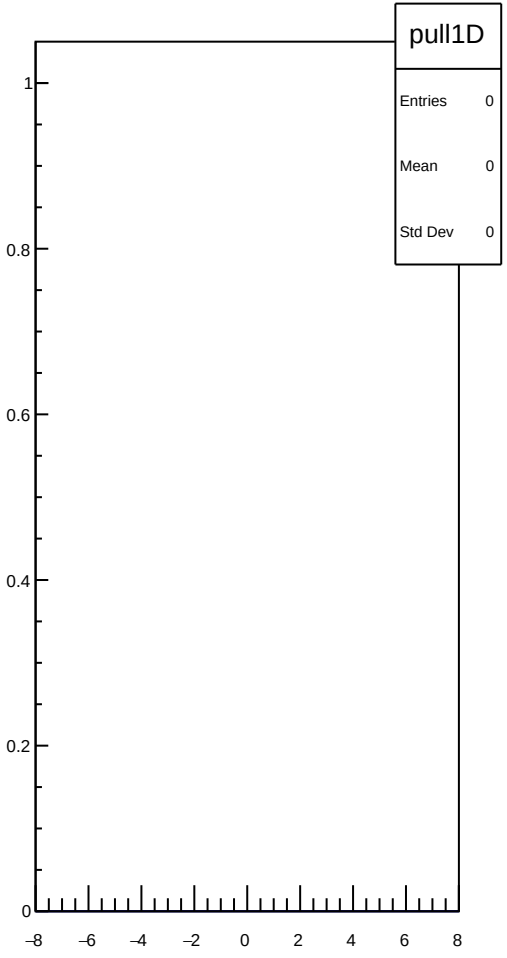

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

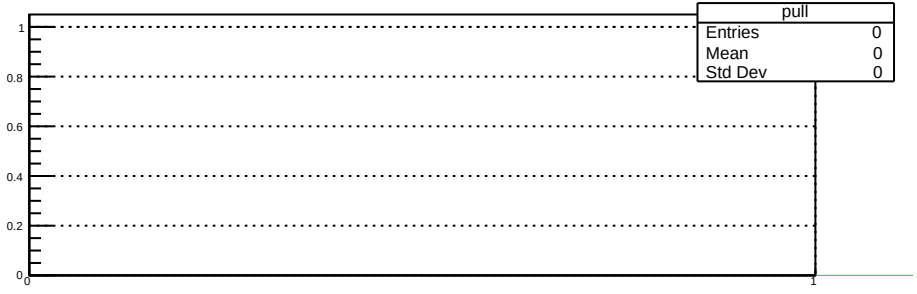

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

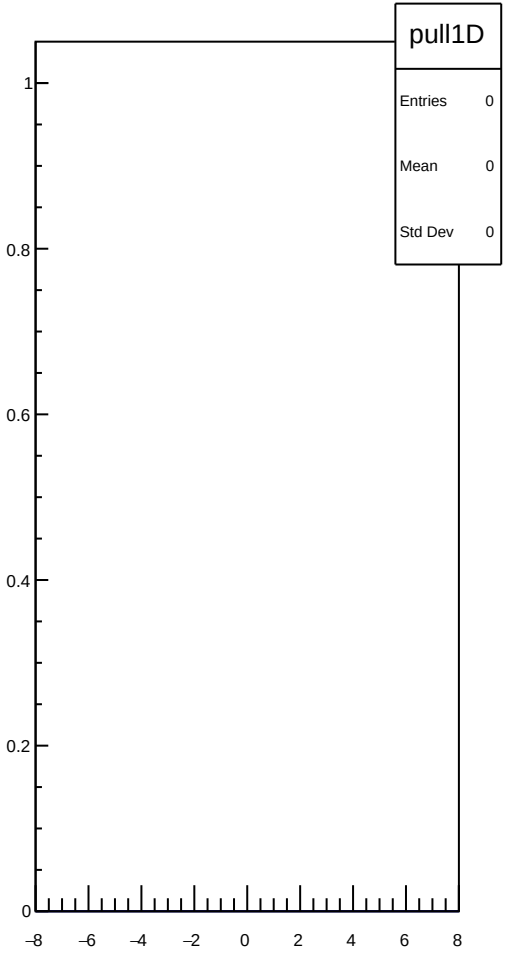

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

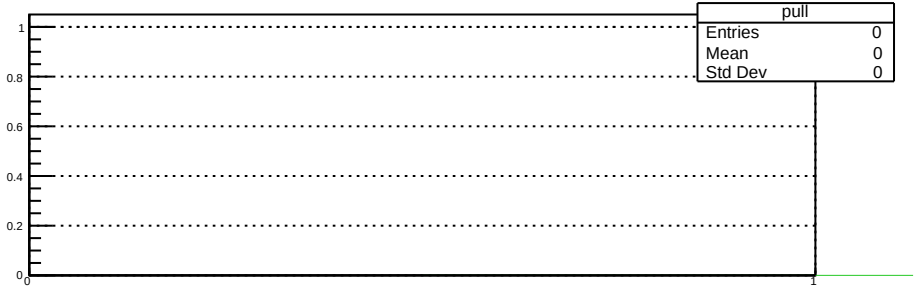

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

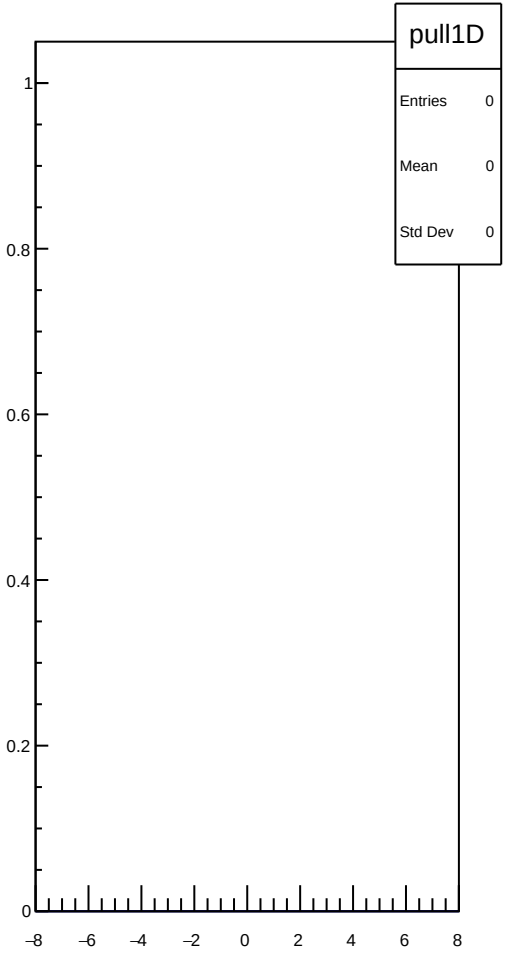

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

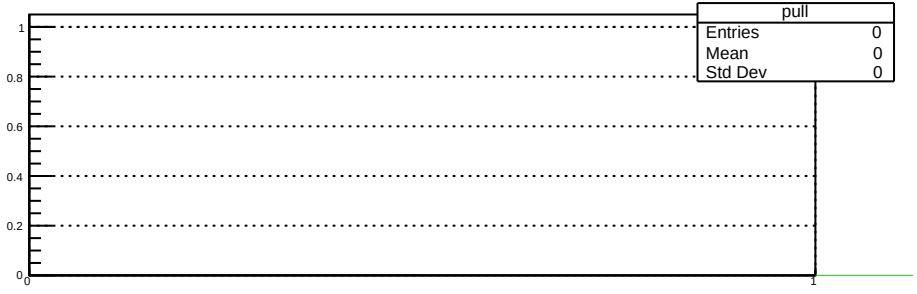

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

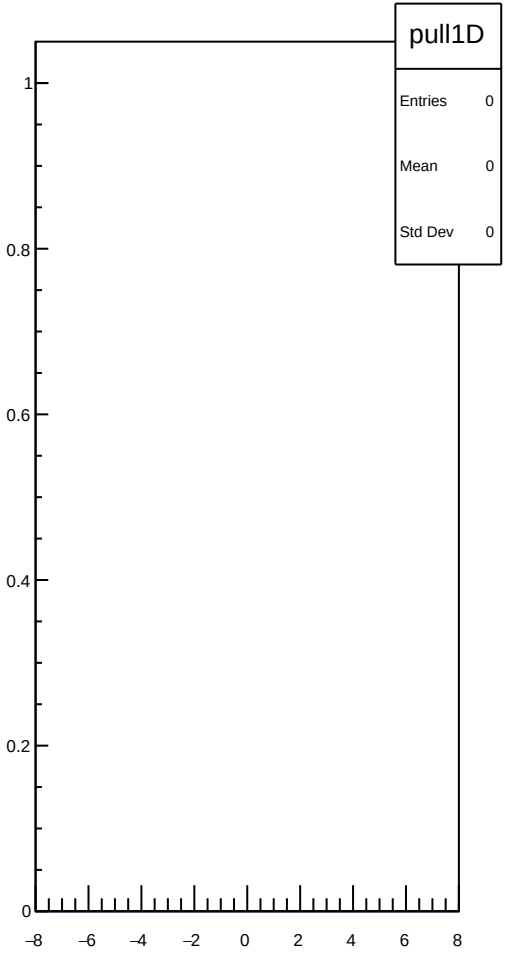

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

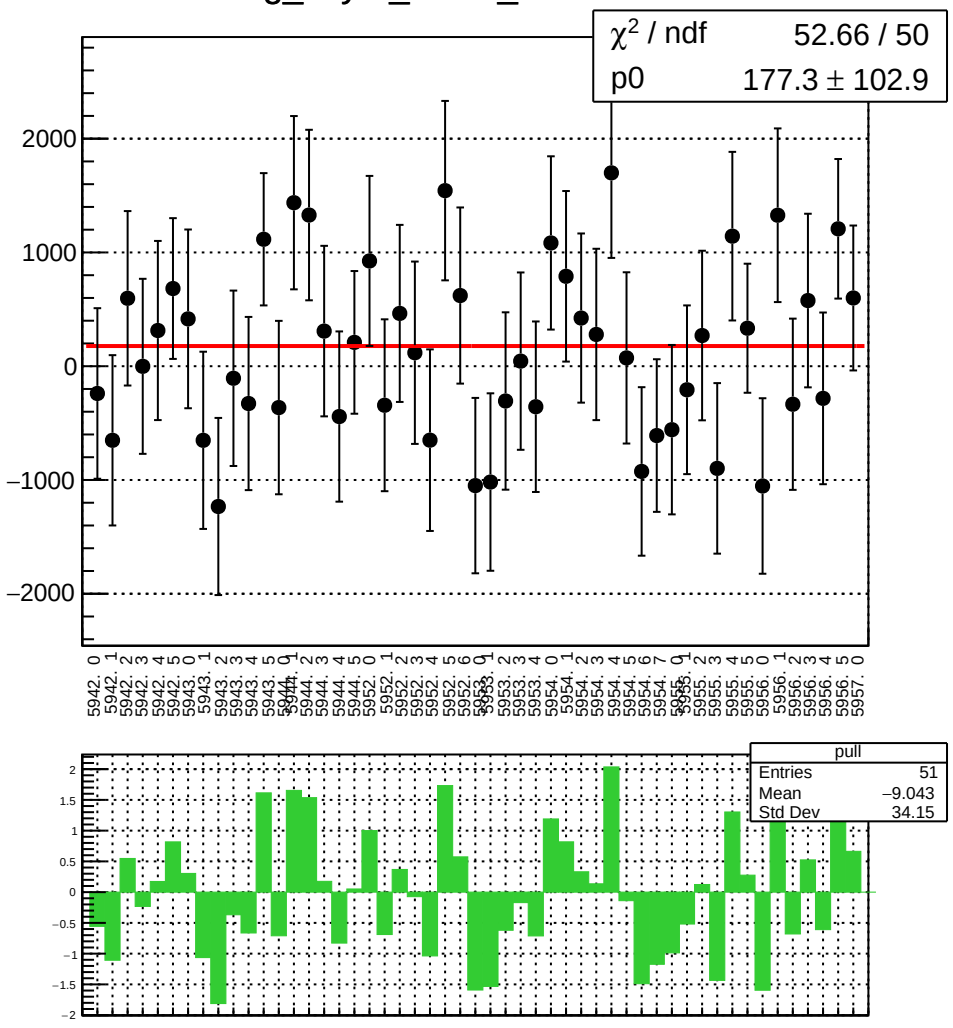

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

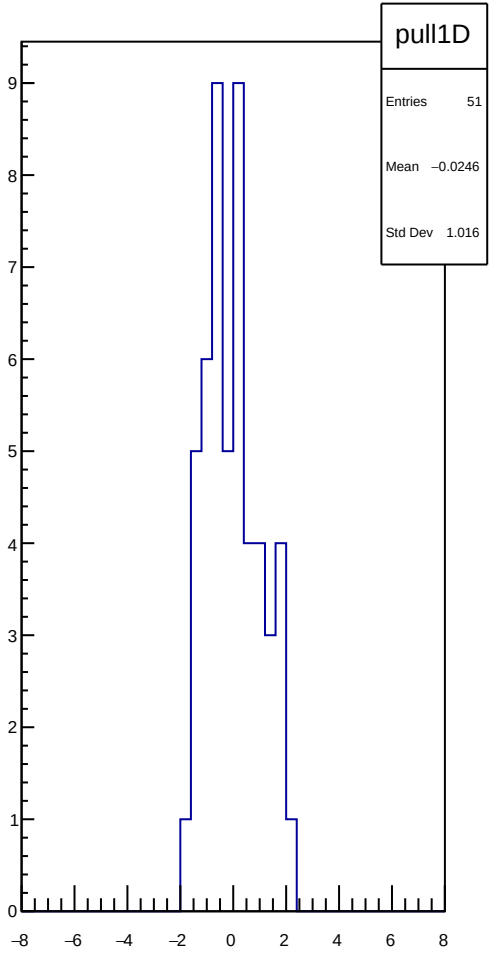

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

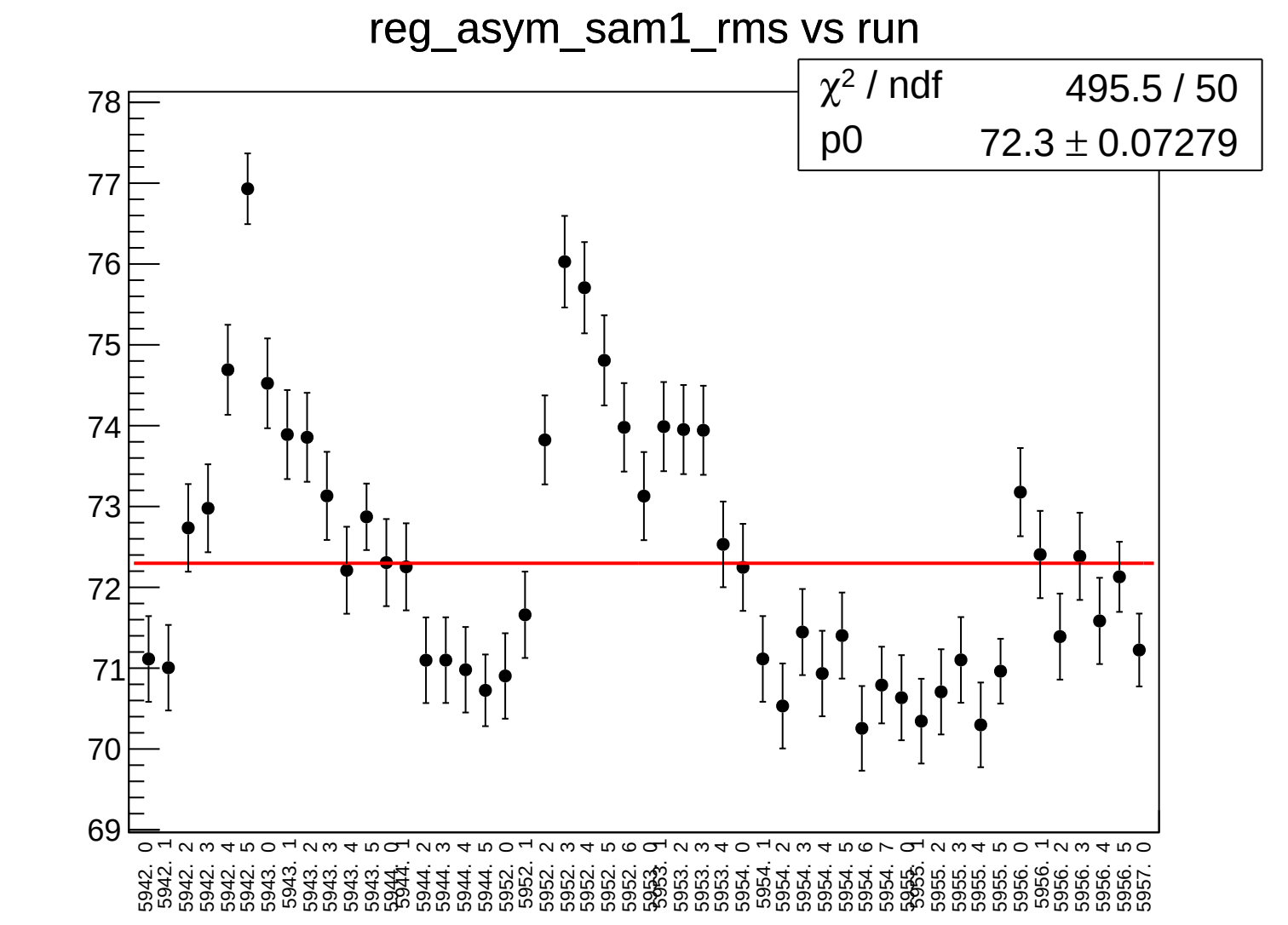

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

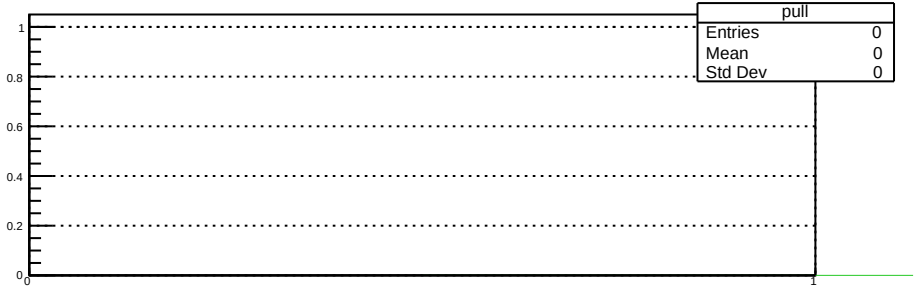

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

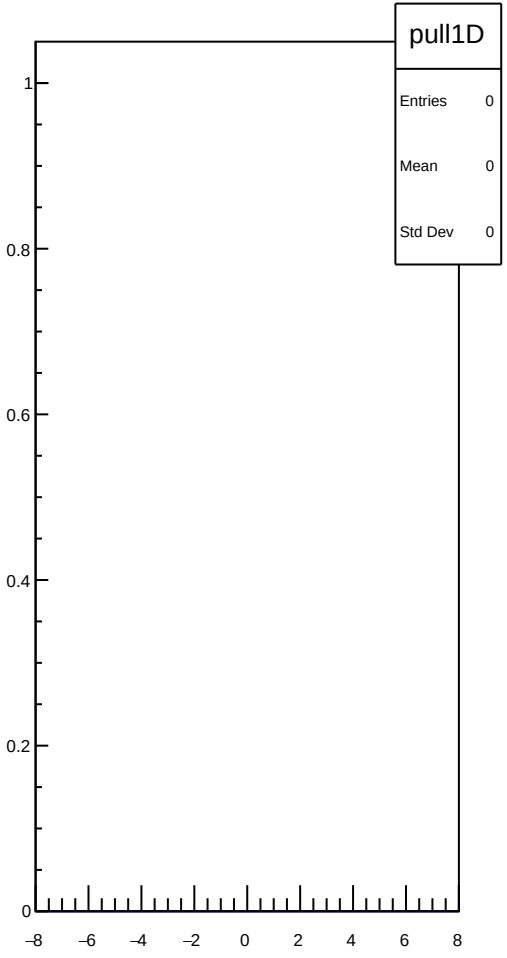

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

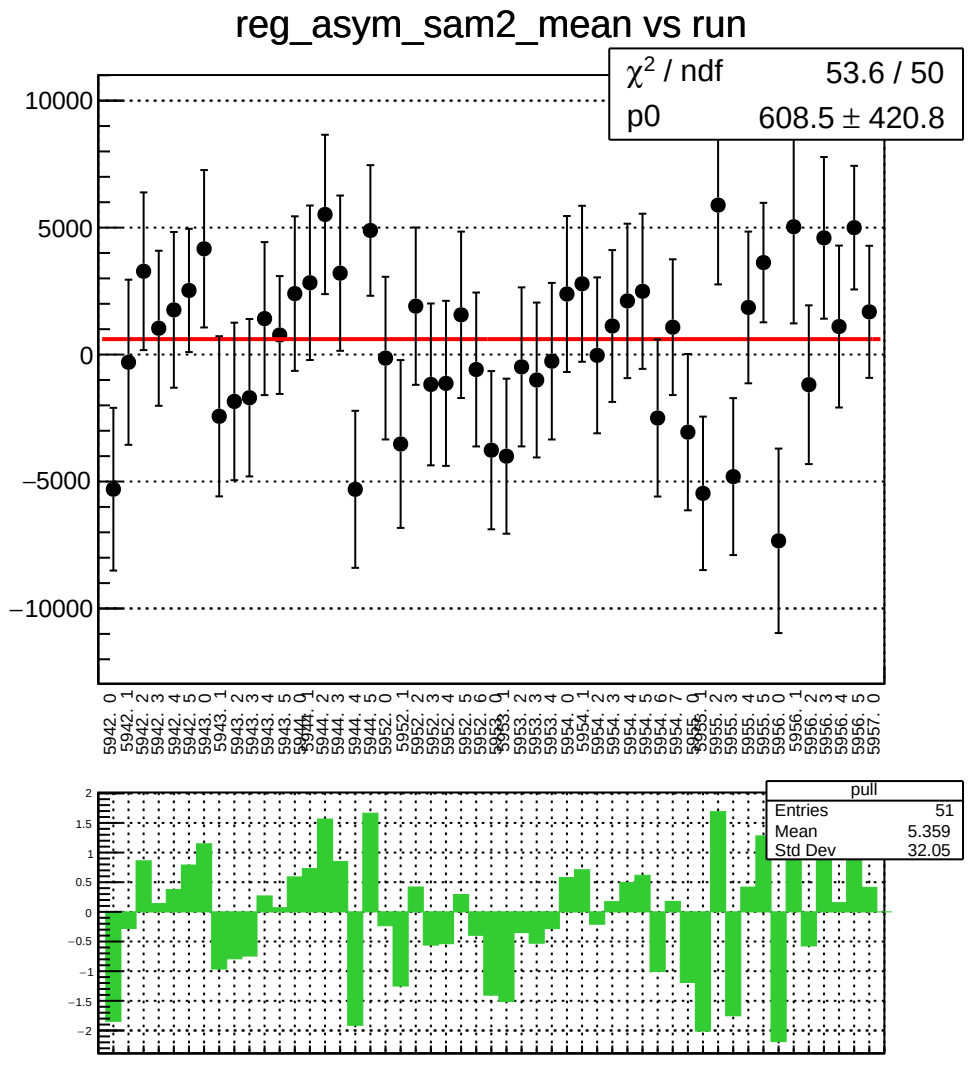

reg_asym_sam1_mean vs run
χ² / ndf 52.66 / 50
p0 177.3 ± 102.9
pull
Entries 51
Mean −9.043
Std Dev 34.15

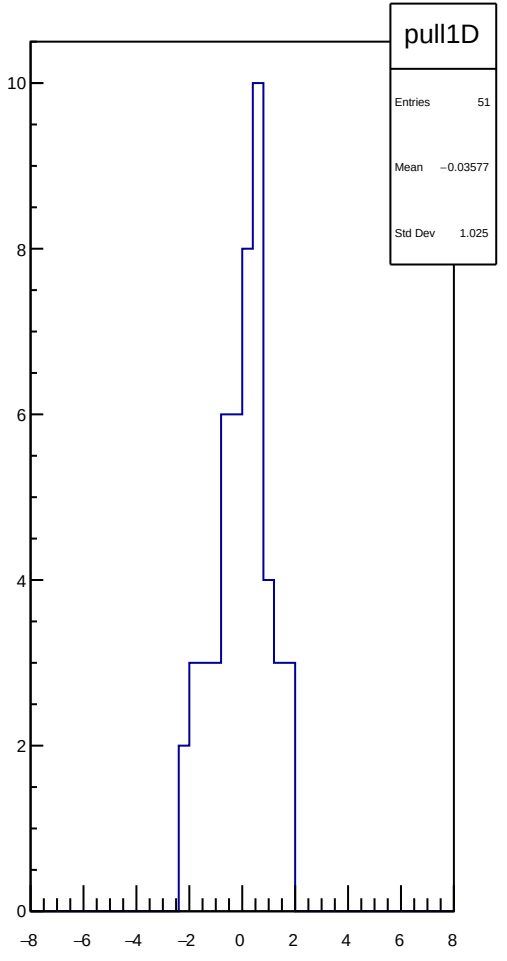

pull1D
Entries 51
Mean −0.0246
Std Dev 1.016

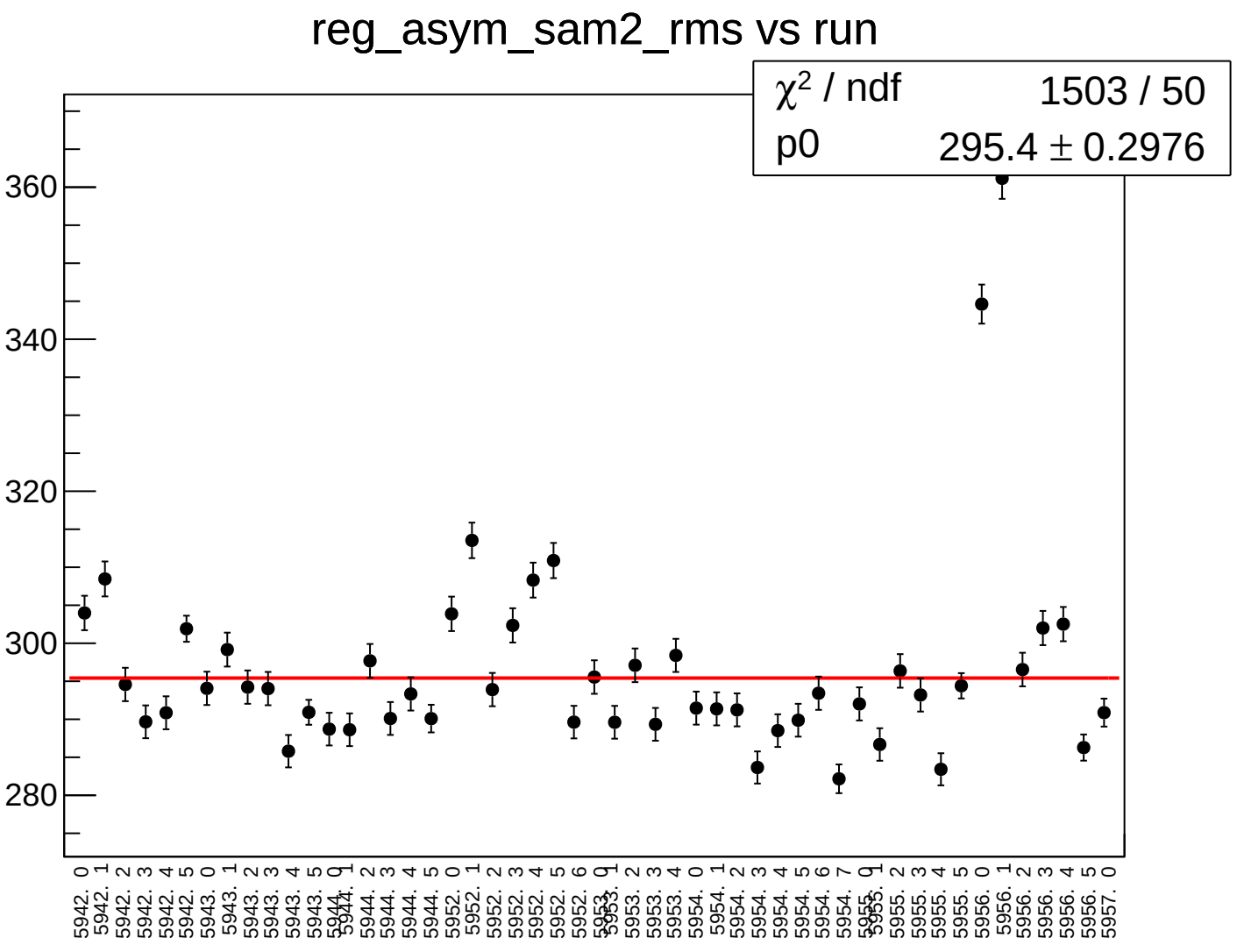

reg_asym_sam1_rms vs run
χ² / ndf 495.5 / 50
p0 72.3 ± 0.07279
78
77
76
75
74
73
72
71
70
69
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
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

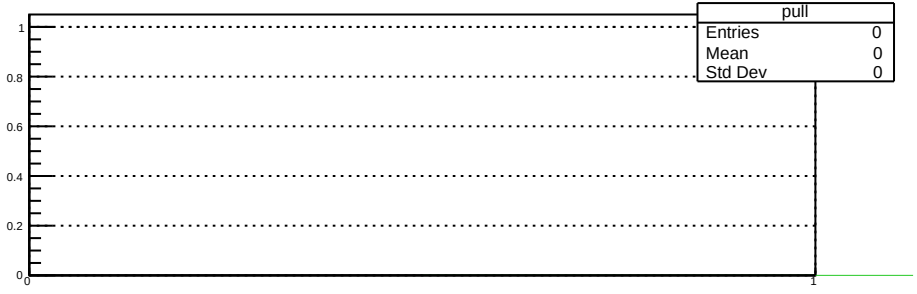

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

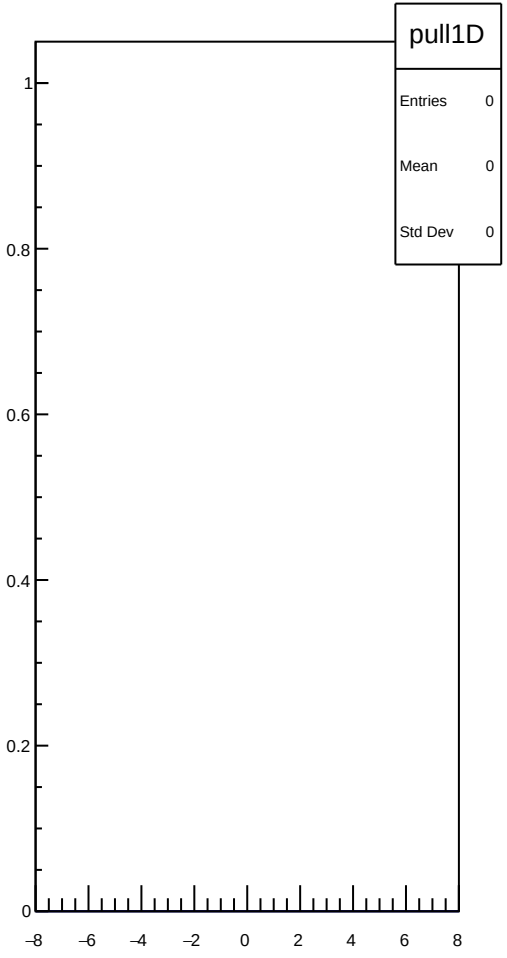

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

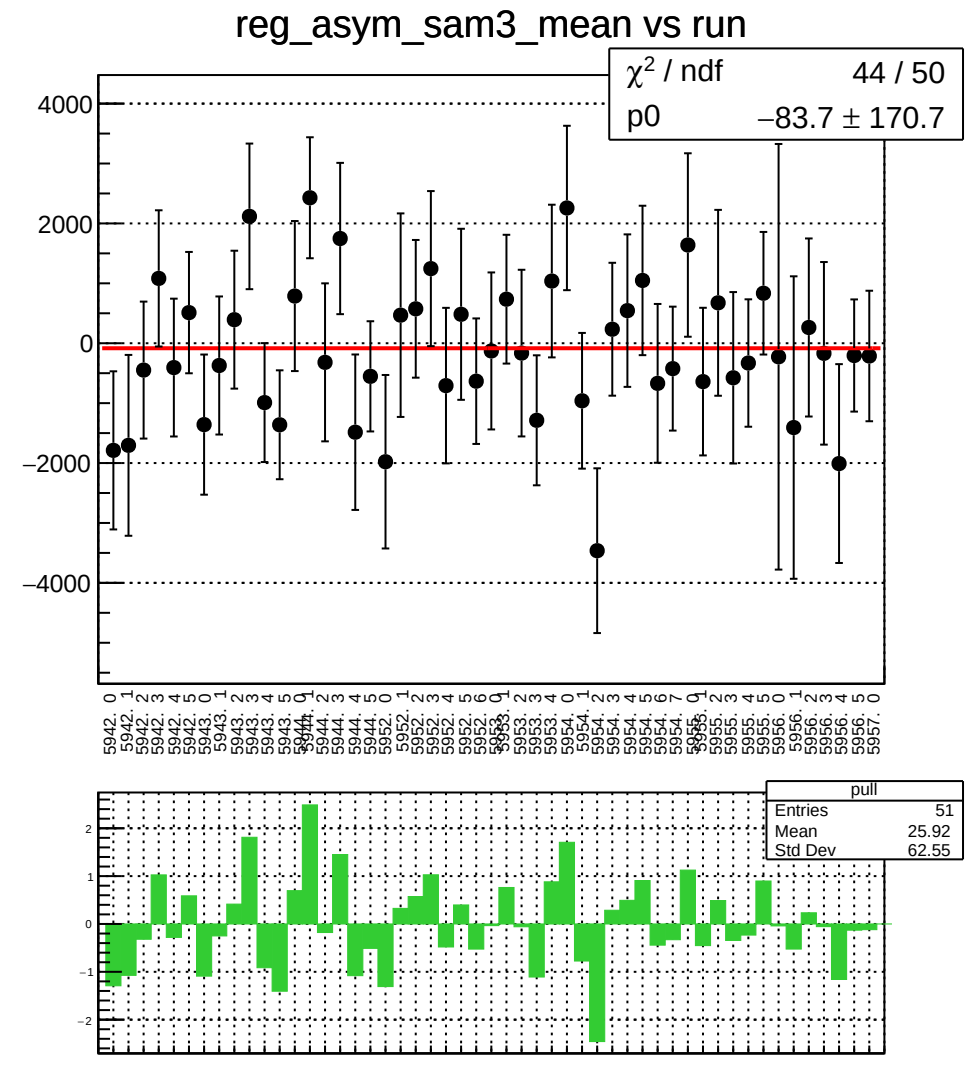

reg_asym_sam2_mean vs run
χ² / ndf 53.6 / 50
p0 608.5 ± 420.8
10000
5000
0
−5000
−10000
pull
Entries 51
Mean 5.359
Std Dev 32.05
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

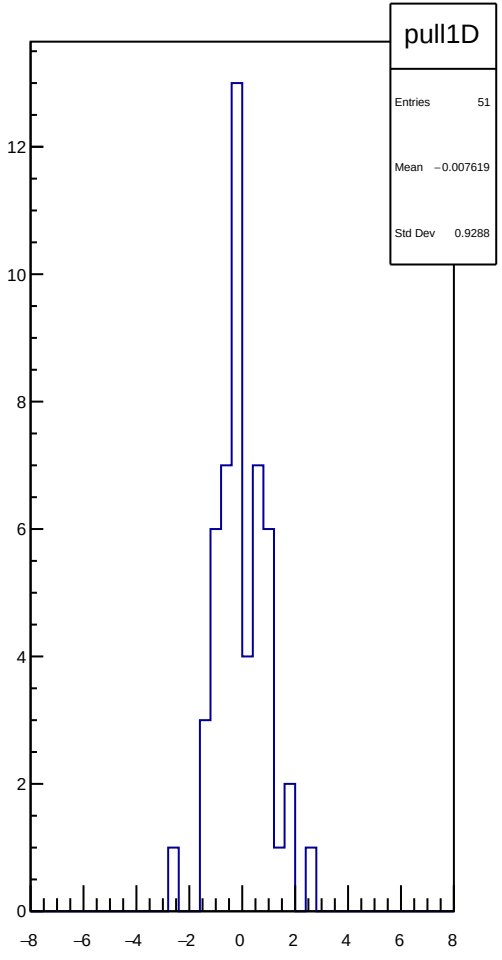

pull1D
Entries 51
Mean −0.03577
Std Dev 1.025
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

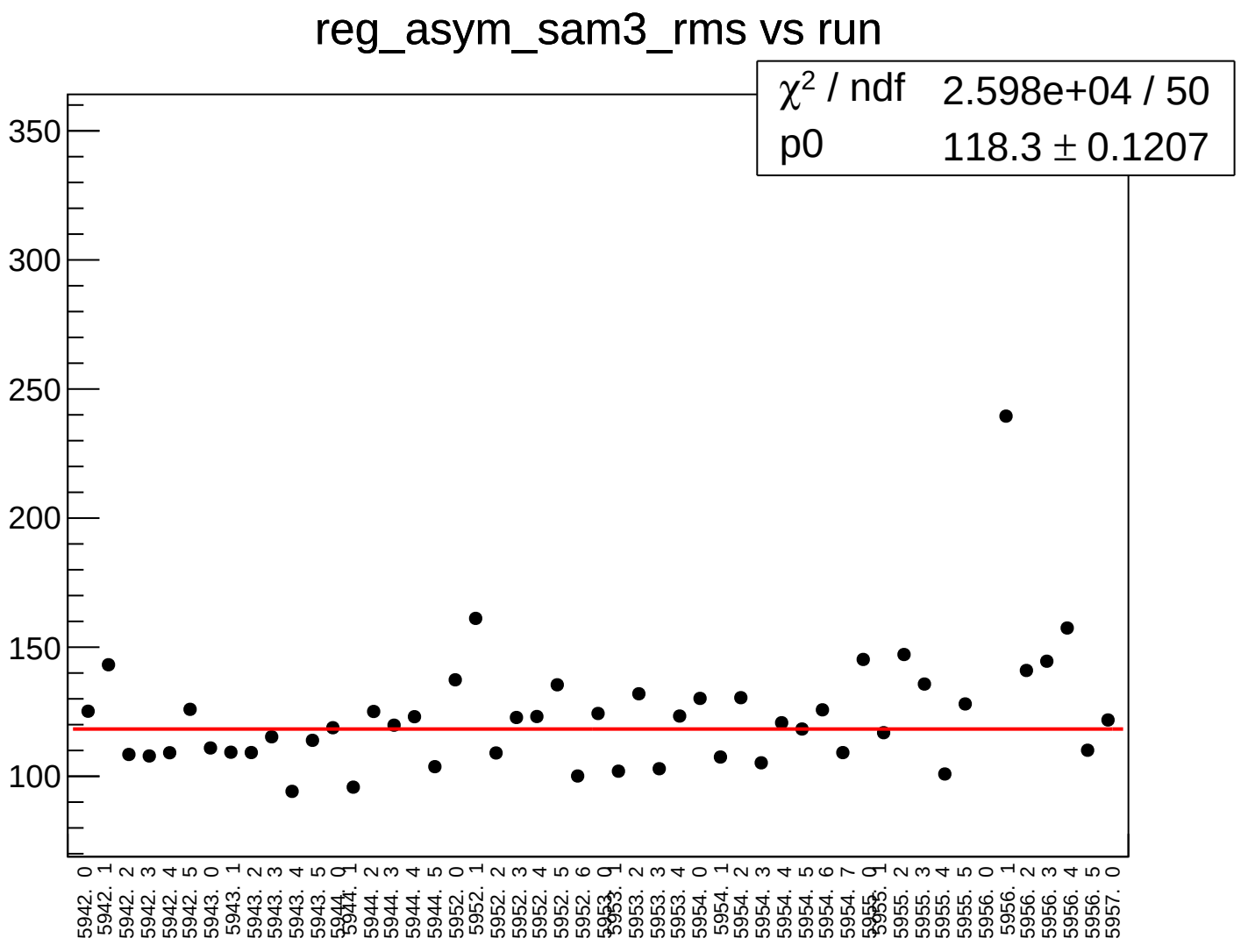

reg_asym_sam2_rms vs run
χ² / ndf 1503 / 50
p0 295.4 ± 0.2976
360
340
320
300
280
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 1
5953. 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

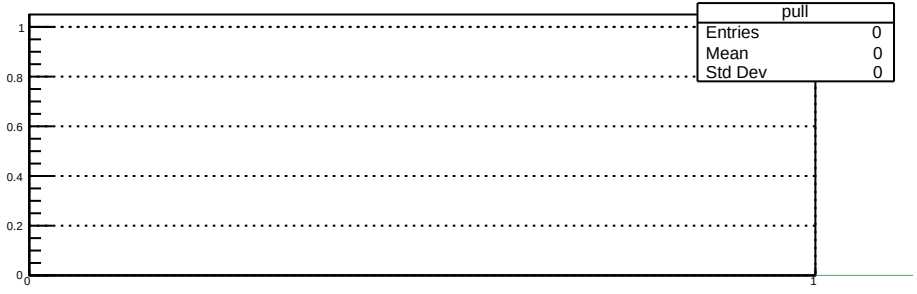

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

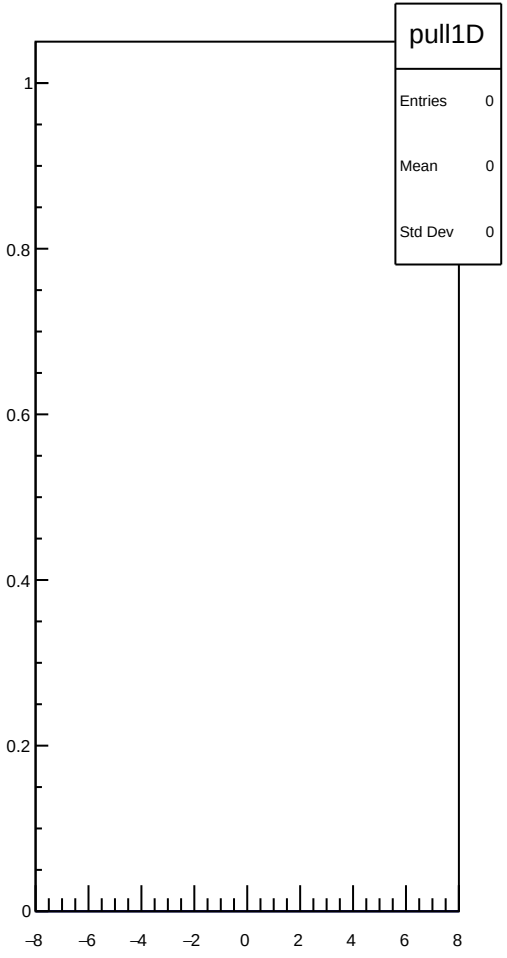

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

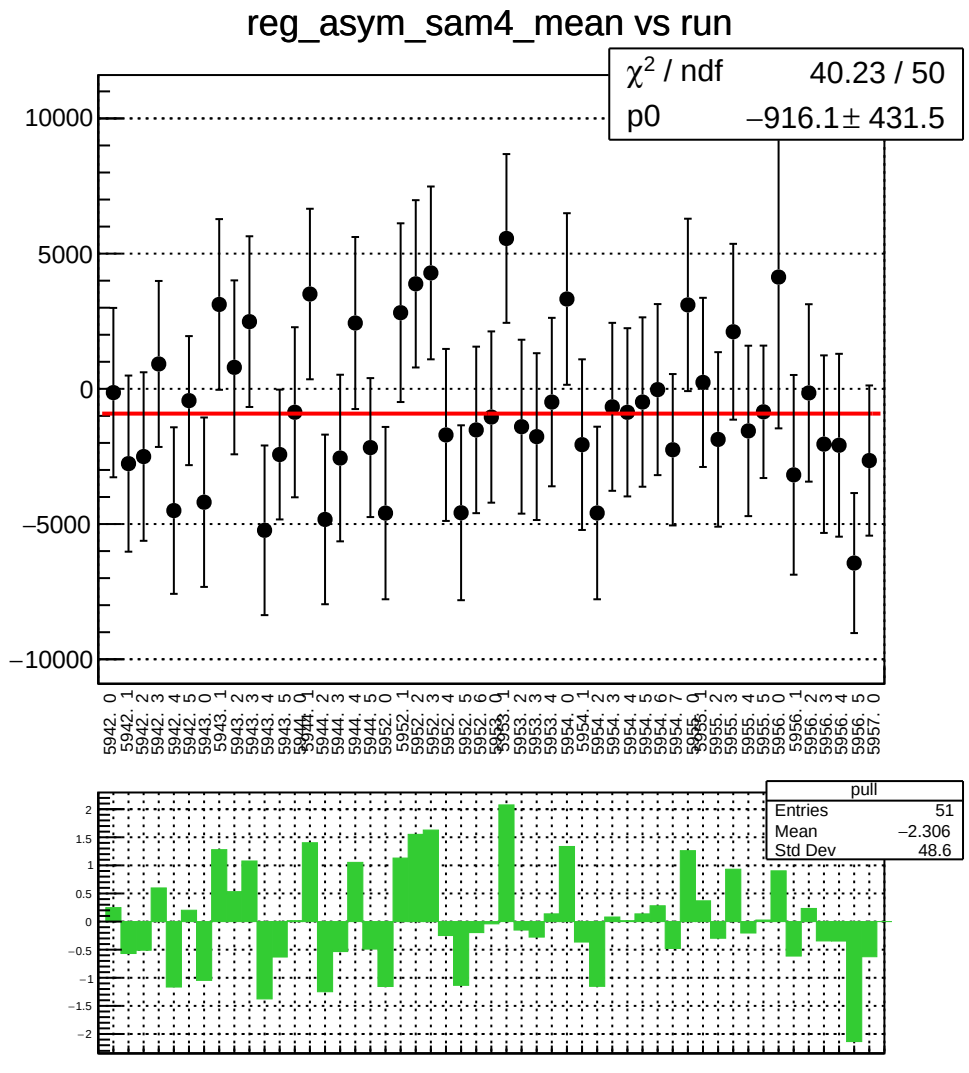

reg_asym_sam3_mean vs run
χ² / ndf 44 / 50
p0 −83.7 ± 170.7
4000
2000
0
−2000
−4000
pull
Entries 51
Mean 25.92
Std Dev 62.55
2
1
0
−1
−2

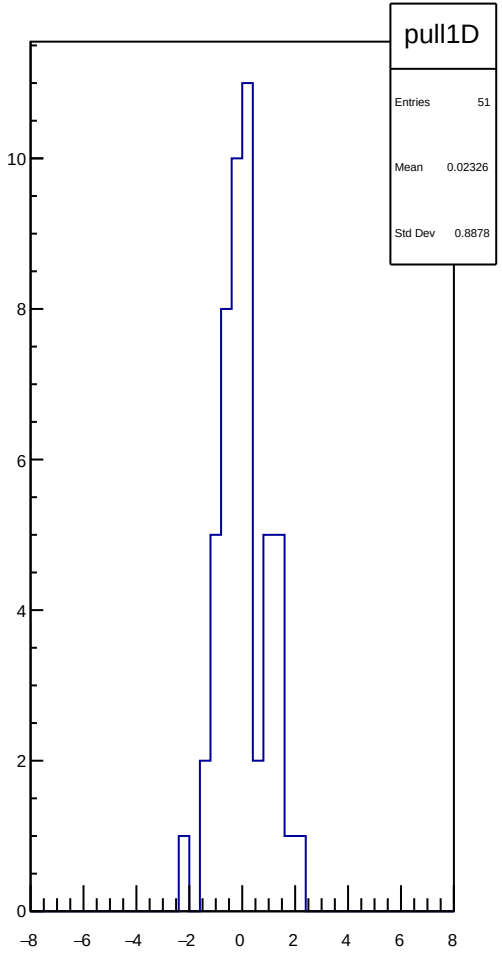

pull1D
Entries 51
Mean −0.007619
Std Dev 0.9288
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

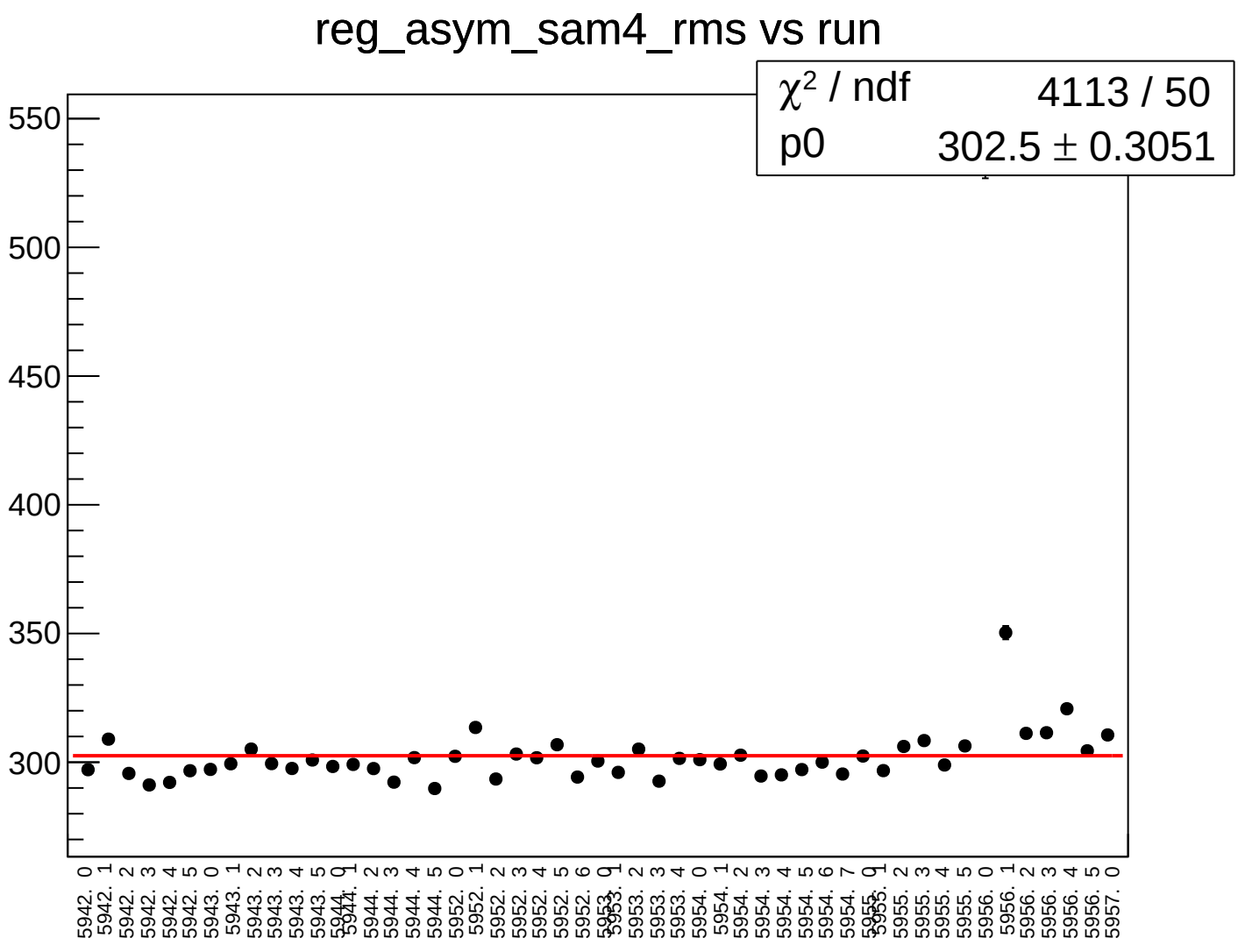

reg_asym_sam3_rms vs run
χ² / ndf 2.598e+04 / 50
p0 118.3 ± 0.1207
350
300
250
200
150
100
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 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

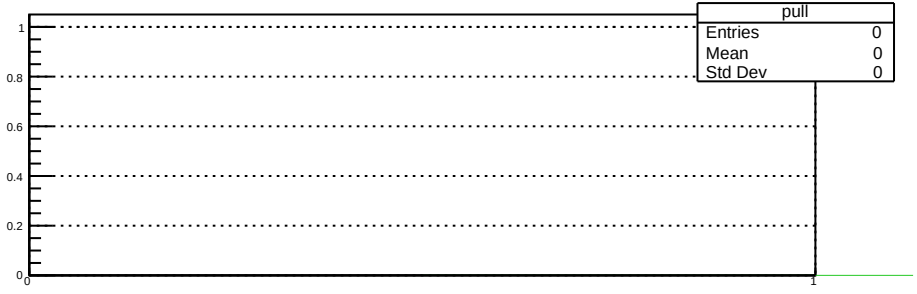

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

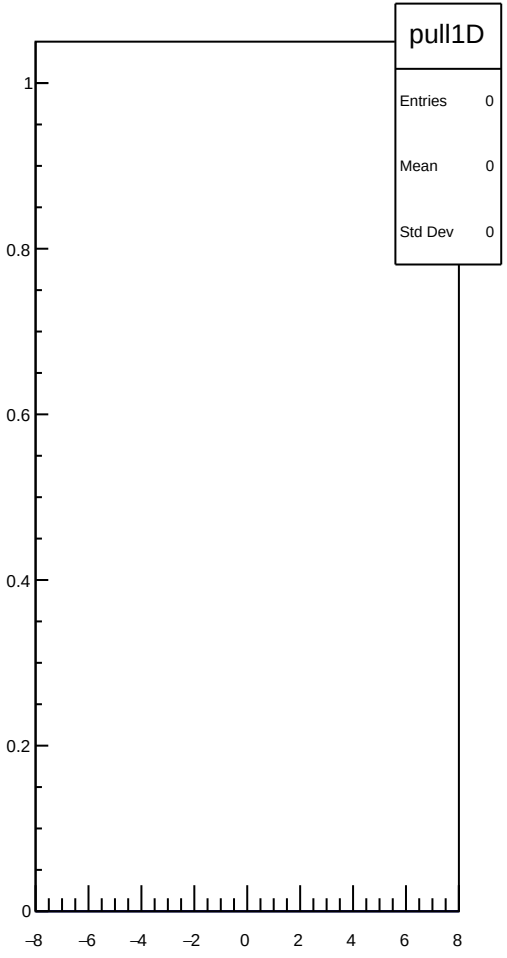

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

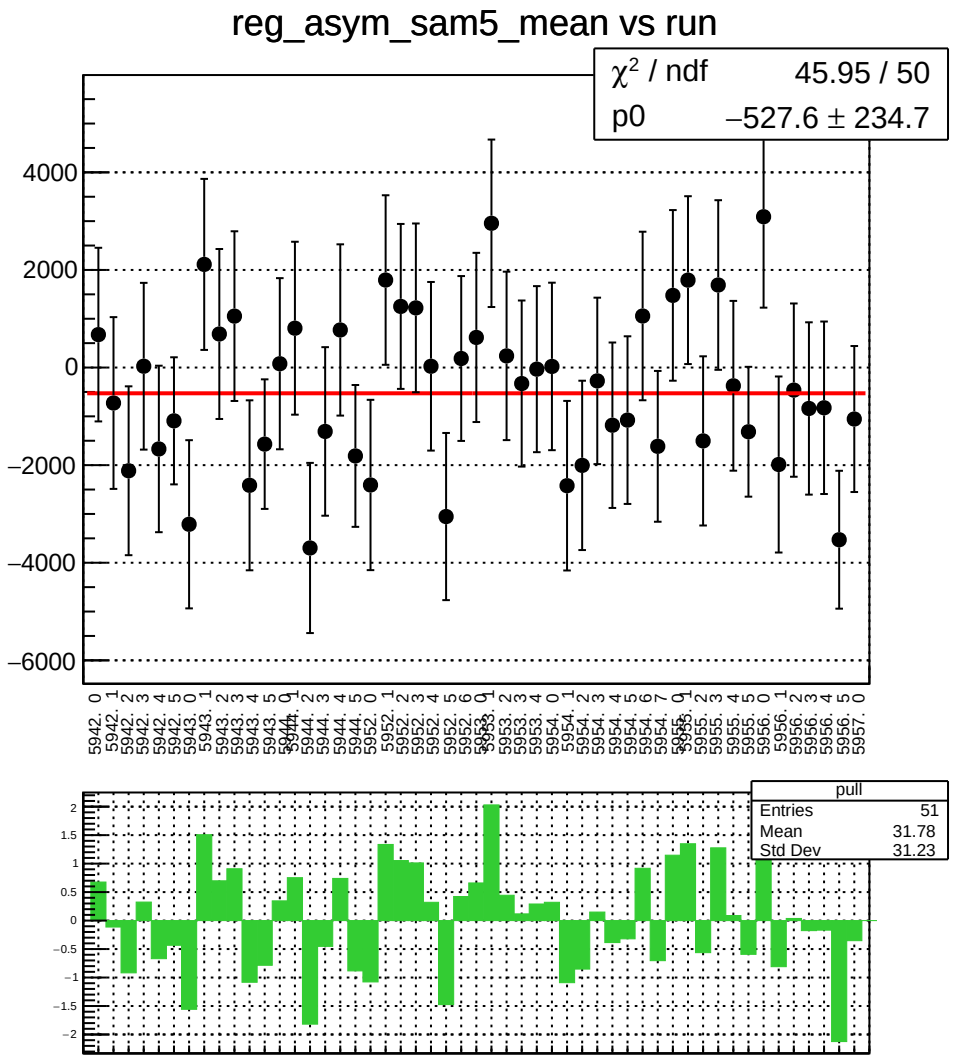

reg_asym_sam4_mean vs run
χ² / ndf 40.23 / 50
p0 −916.1 ± 431.5
10000
5000
0
−5000
−10000
pull
Entries 51
Mean −2.306
Std Dev 48.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

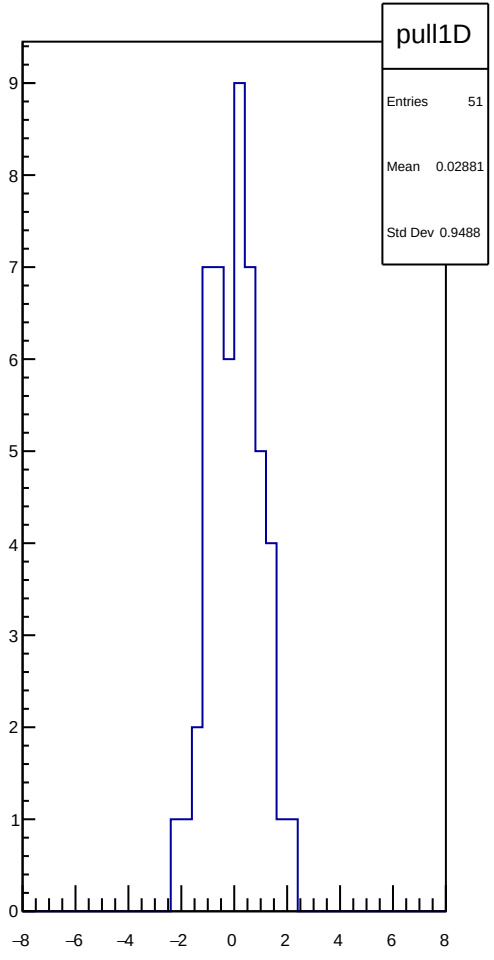

pull1D
Entries 51
Mean 0.02326
Std Dev 0.8878
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

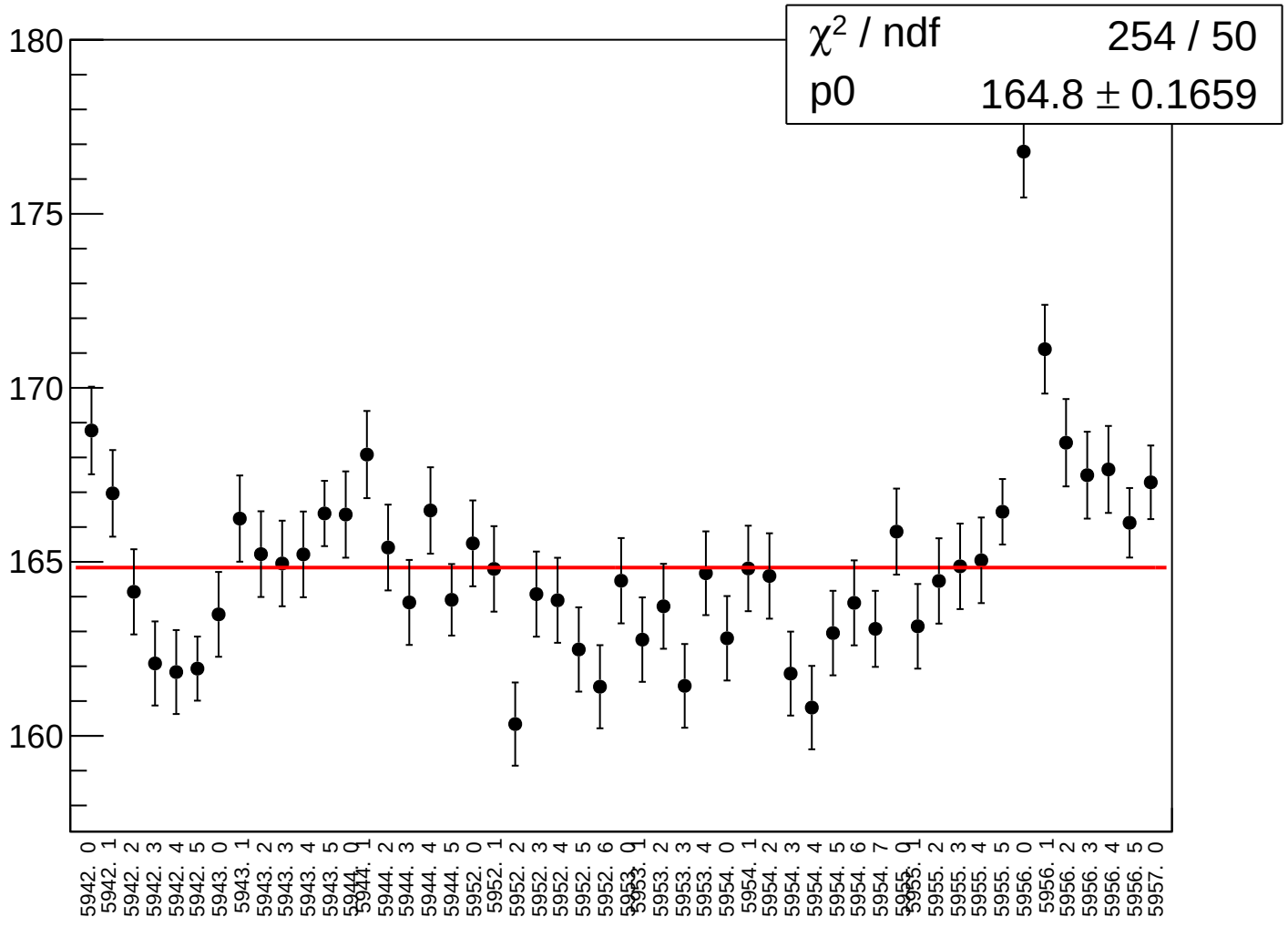

reg_asym_sam4_rms vs run
χ² / ndf 4113 / 50
p0 302.5 ± 0.3051
550
500
450
400
350
300
15942. 0
15942. 1
15942. 2
15942. 3
15942. 4
15942. 5
15943. 0
15943. 1
15943. 2
15943. 3
15943. 4
15943. 5
15944. 0
15944. 1
15944. 2
15944. 3
15944. 4
15944. 5
15952. 0
15952. 1
15952. 2
15952. 3
15952. 4
15952. 5
15952. 6
15953. 0
15953. 1
15953. 2
15953. 3
15953. 4
15954. 0
15954. 1
15954. 2
15954. 3
15954. 4
15954. 5
15954. 6
15954. 7
15955. 0
15955. 1
15955. 2
15955. 3
15955. 4
15955. 5
15956. 0
15956. 1
15956. 2
15956. 3
15956. 4
15956. 5
15957. 0

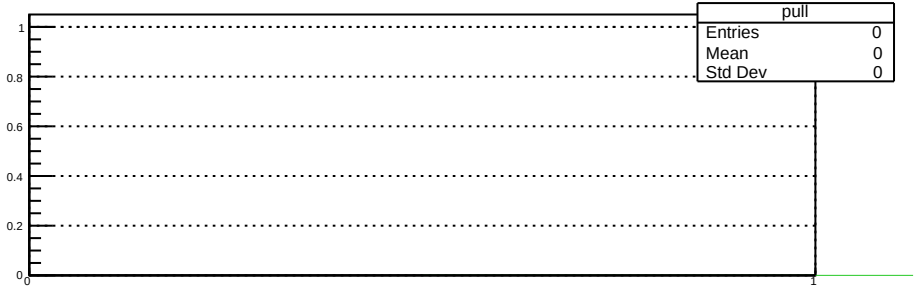

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

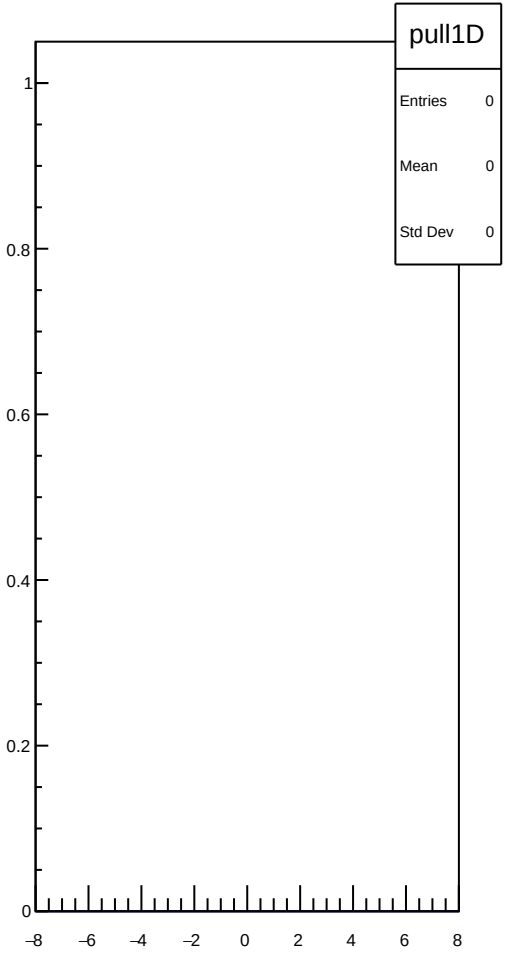

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

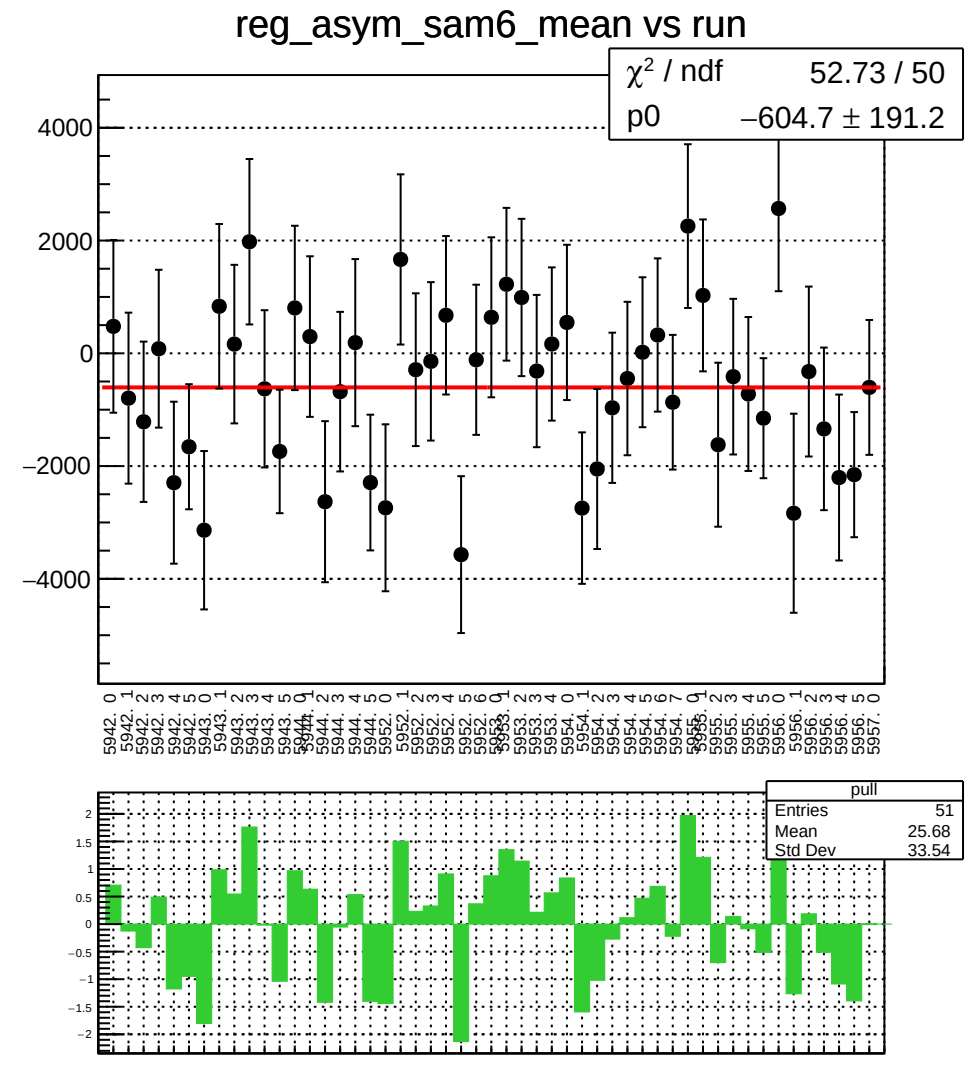

reg_asym_sam5_mean vs run
χ² / ndf 45.95 / 50
p0 −527.6 ± 234.7
4000
2000
0
−2000
−4000
−6000
pull
Entries 51
Mean 31.78
Std Dev 31.23
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

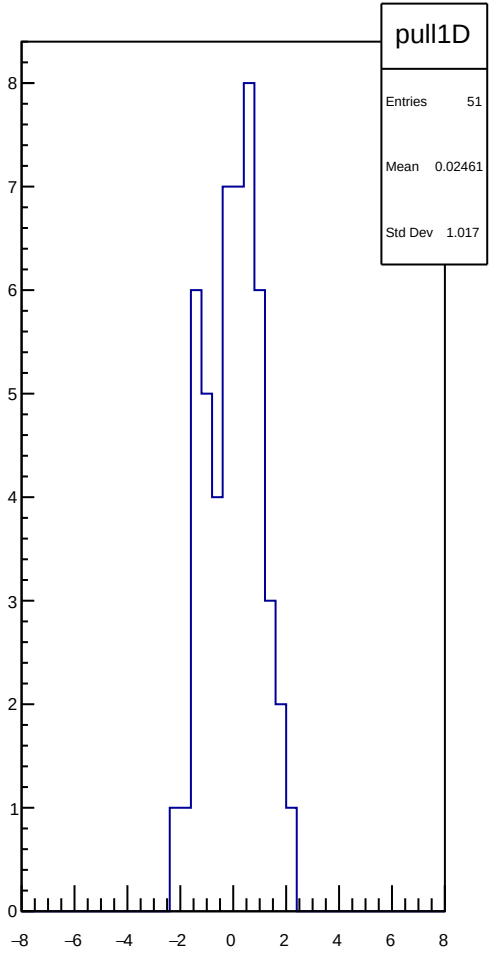

pull1D
Entries 51
Mean 0.02881
Std Dev 0.9488
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

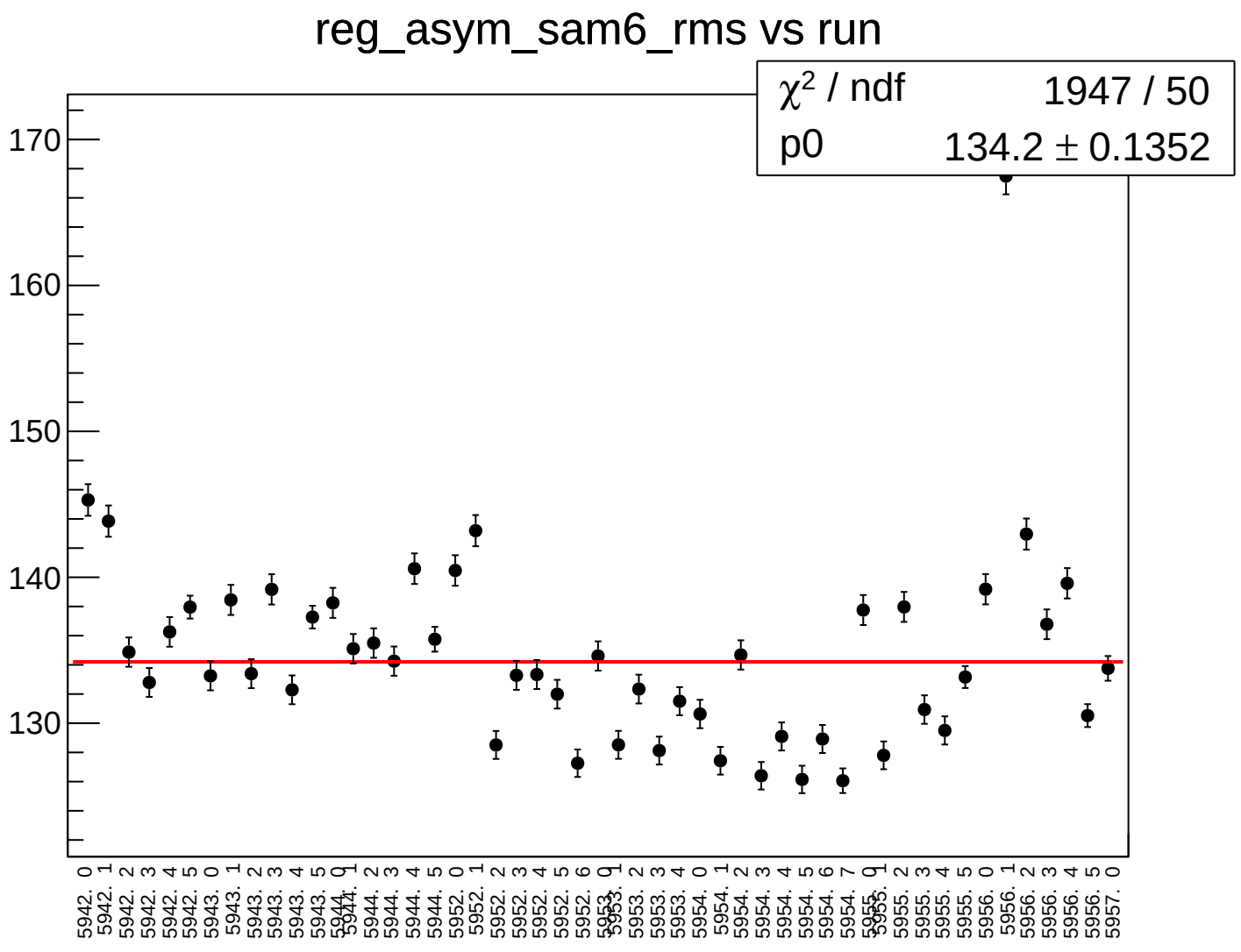

reg_asym_sam5_rms vs run
χ² / ndf 254 / 50
p0 164.8 ± 0.1659
180
175
170
165
160
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 1
5953. 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

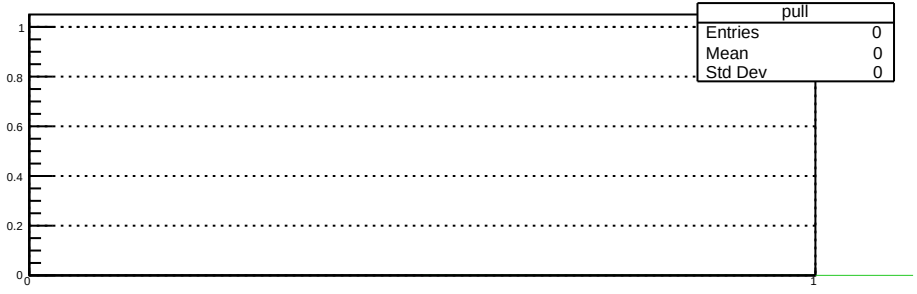

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

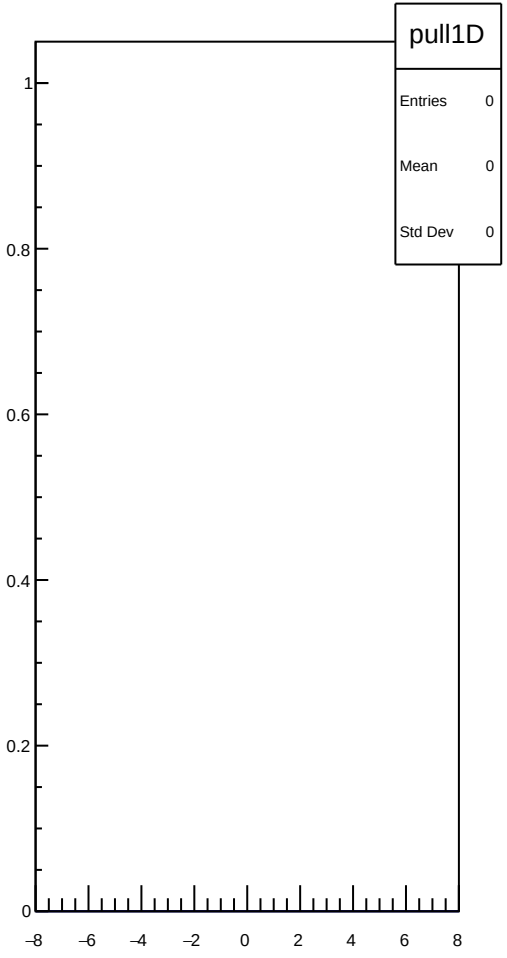

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

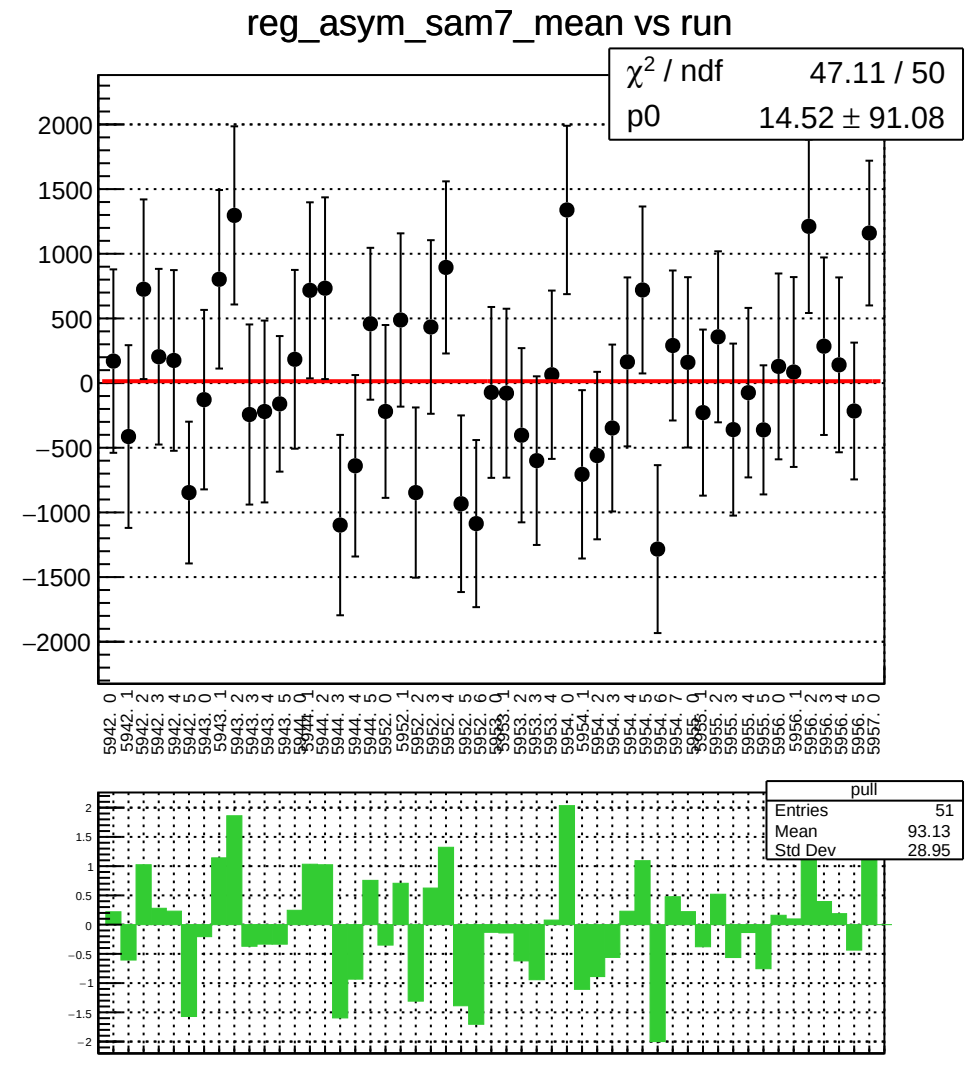

reg_asym_sam6_mean vs run
χ² / ndf 52.73 / 50
p0 −604.7 ± 191.2
4000
2000
0
−2000
−4000
pull
Entries 51
Mean 25.68
Std Dev 33.54
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

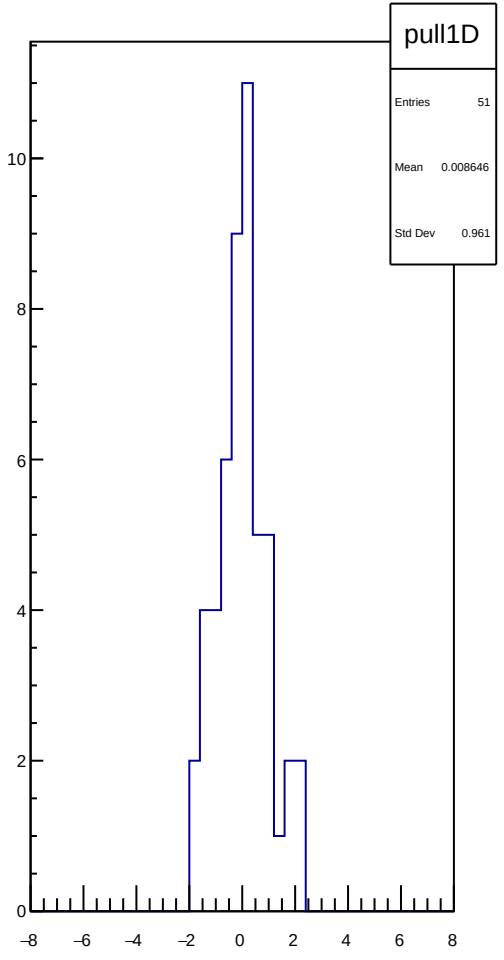

pull1D
Entries 51
Mean 0.02461
Std Dev 1.017
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

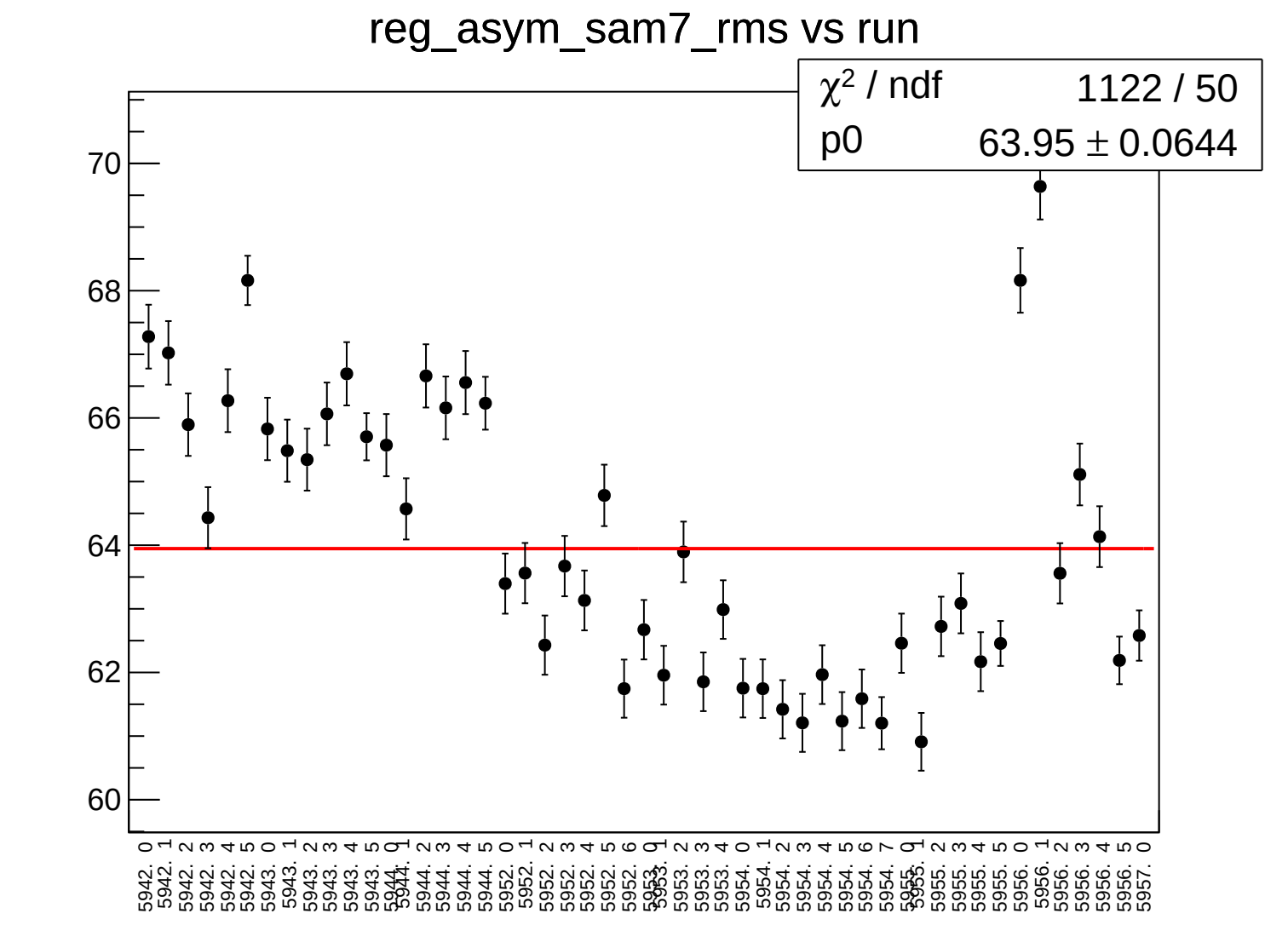

reg_asym_sam6_rms vs run
χ² / ndf 1947 / 50
p0 134.2 ± 0.1352
170
160
150
140
130
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 1
5953. 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

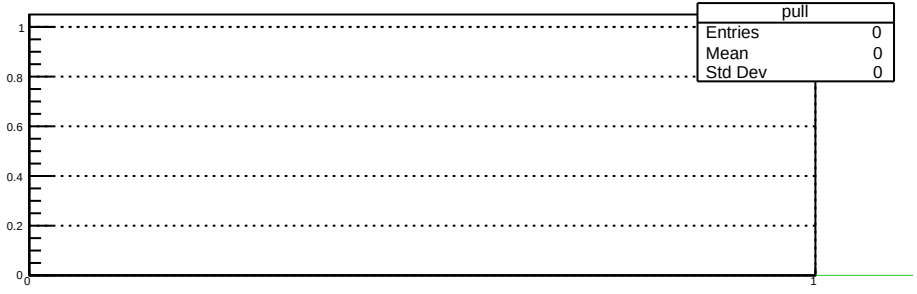

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

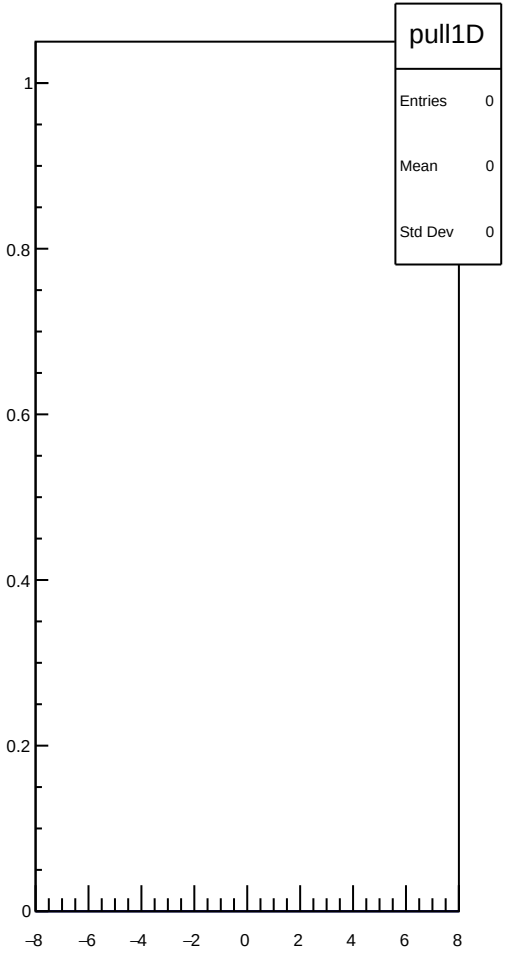

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

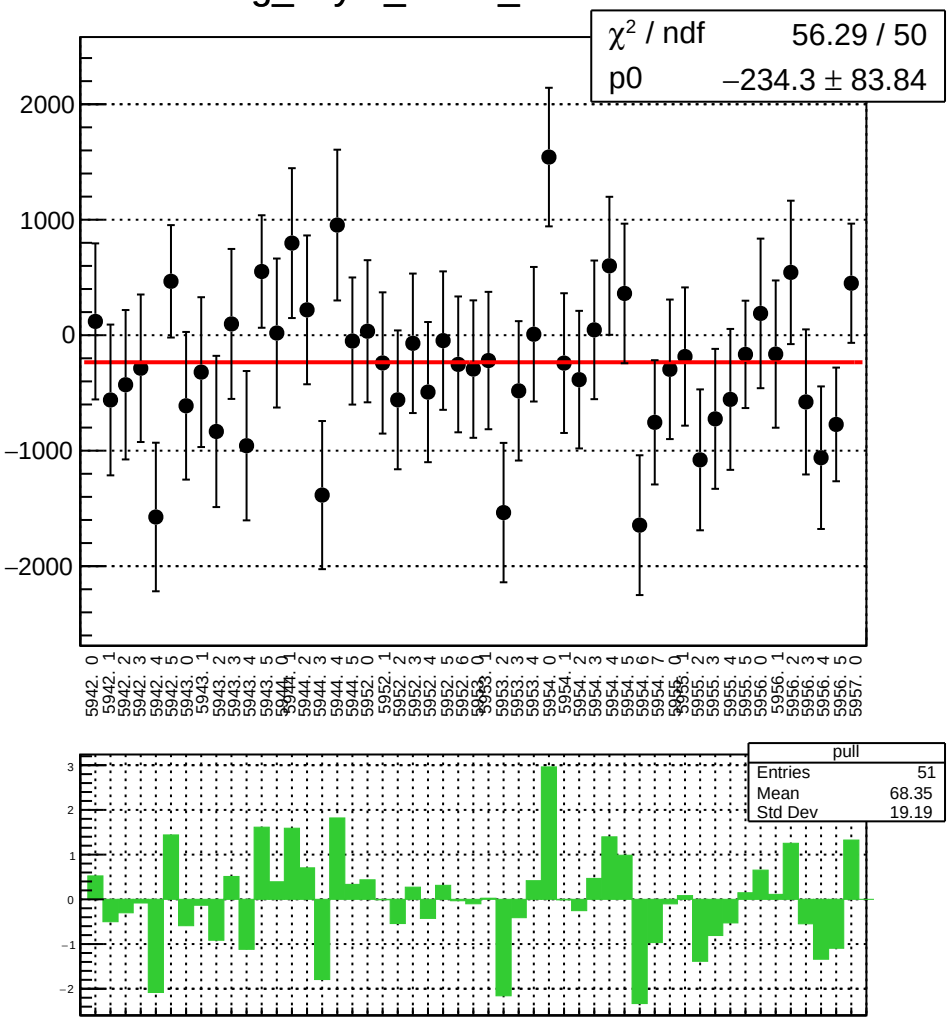

reg_asym_sam7_mean vs run
χ² / ndf 47.11 / 50
p0 14.52 ± 91.08
pull
Entries 51
Mean 93.13
Std Dev 28.95

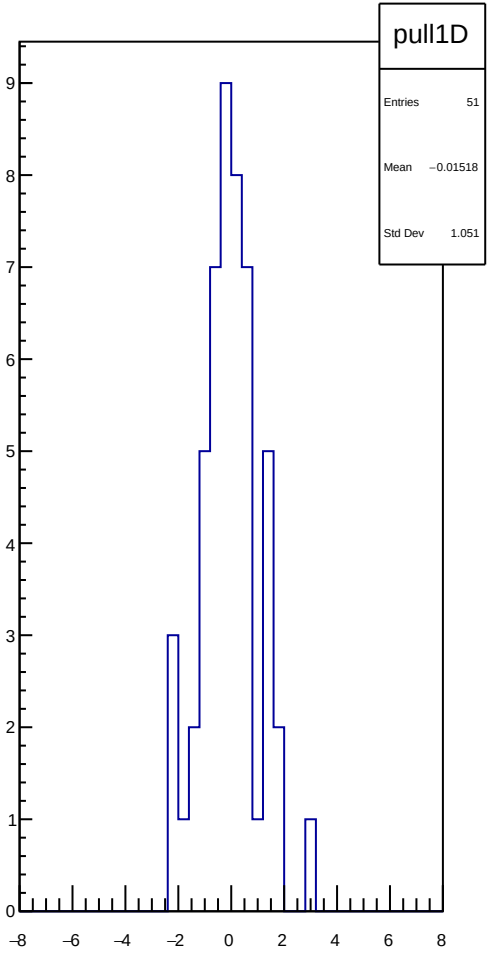

pull1D
Entries 51
Mean 0.008646
Std Dev 0.961

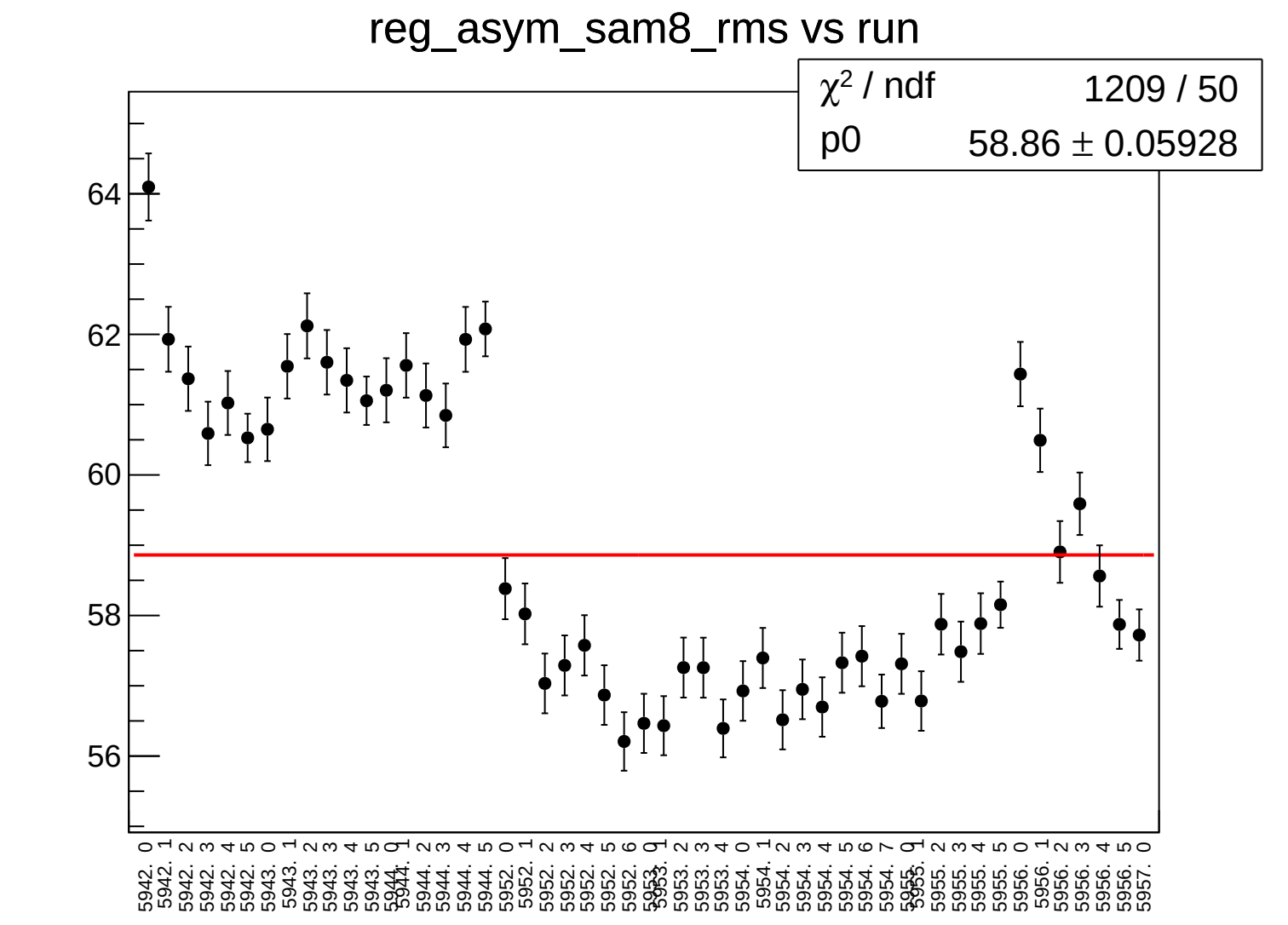

reg_asym_sam7_rms vs run
χ² / ndf 1122 / 50
p0 63.95 ± 0.0644
70
68
66
64
62
60
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 1
5953. 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

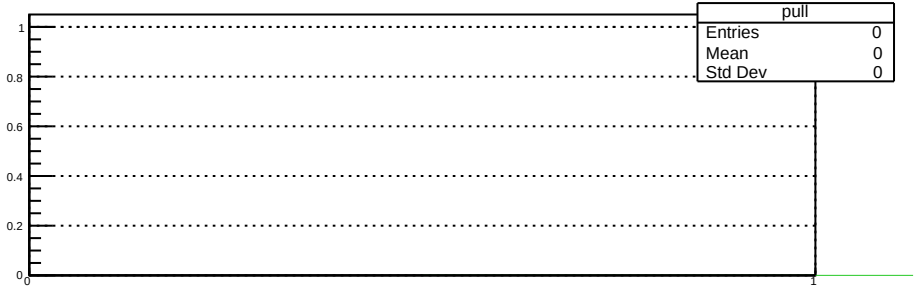

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

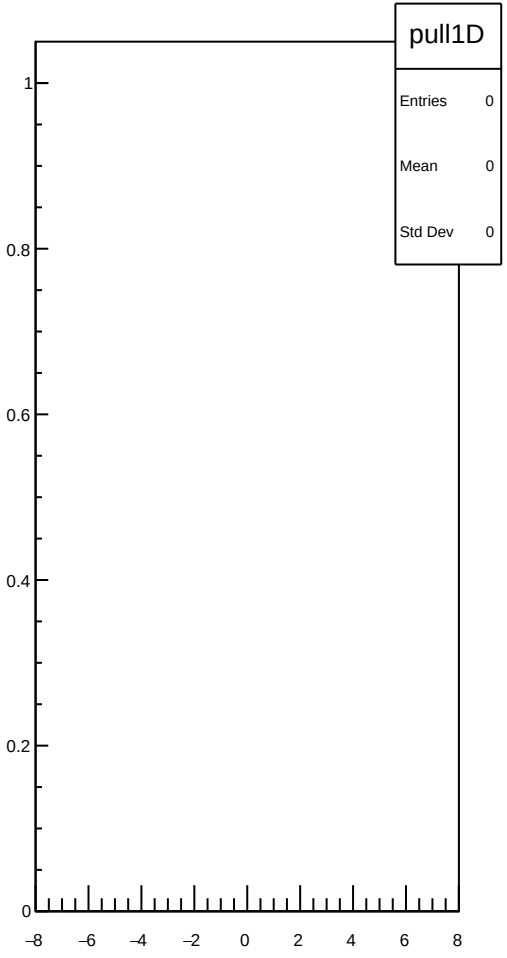

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

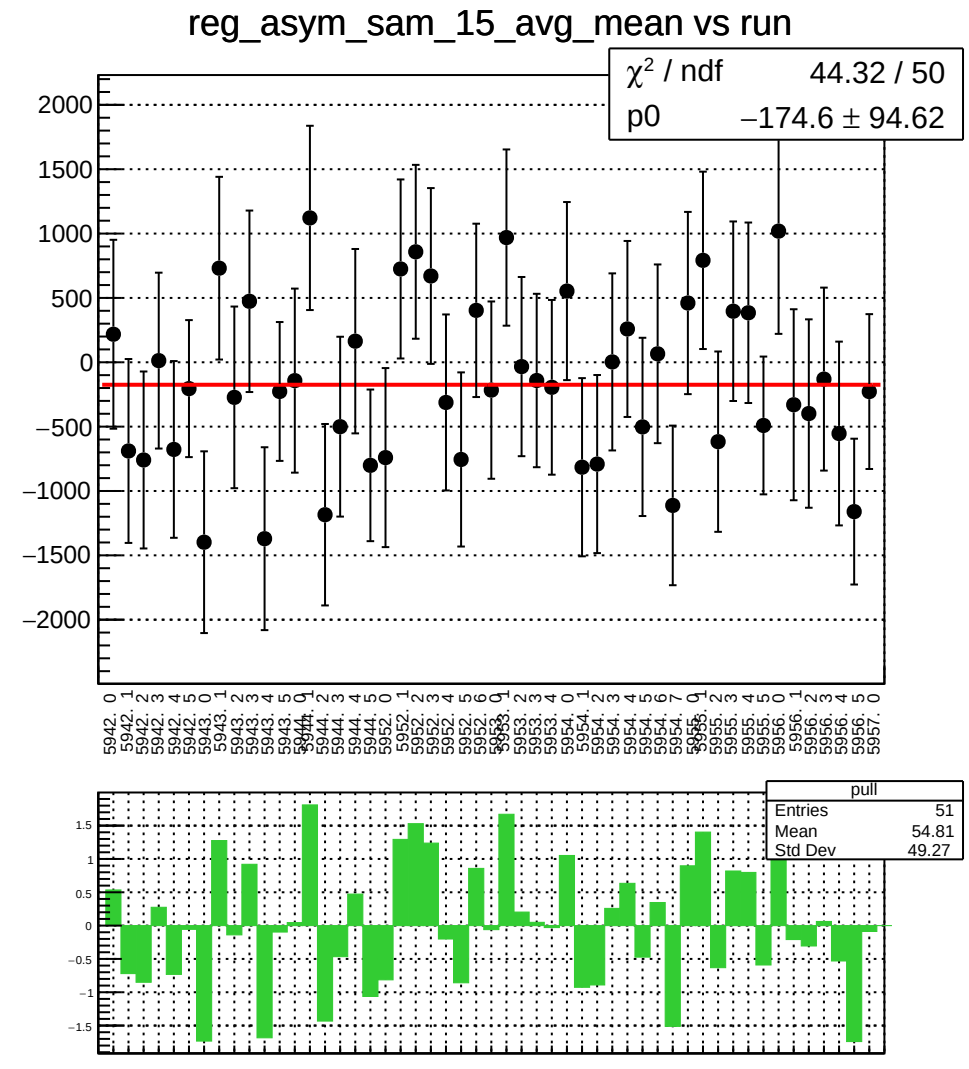

reg_asym_sam8_mean vs run
χ² / ndf 56.29 / 50
p0 −234.3 ± 83.84
2000
1000
0
−1000
−2000
pull
Entries 51
Mean 68.35
Std Dev 19.19
3
2
1
0
−1
−2

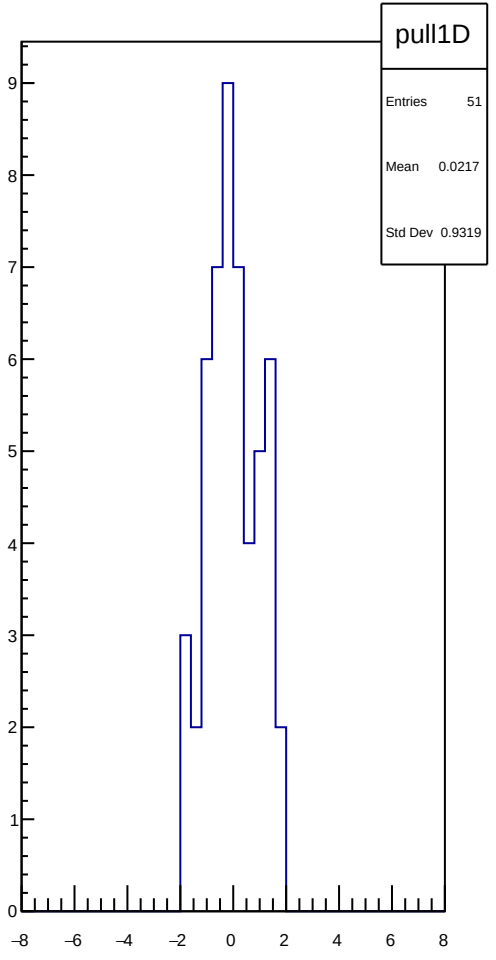

pull1D
Entries 51
Mean −0.01518
Std Dev 1.051
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

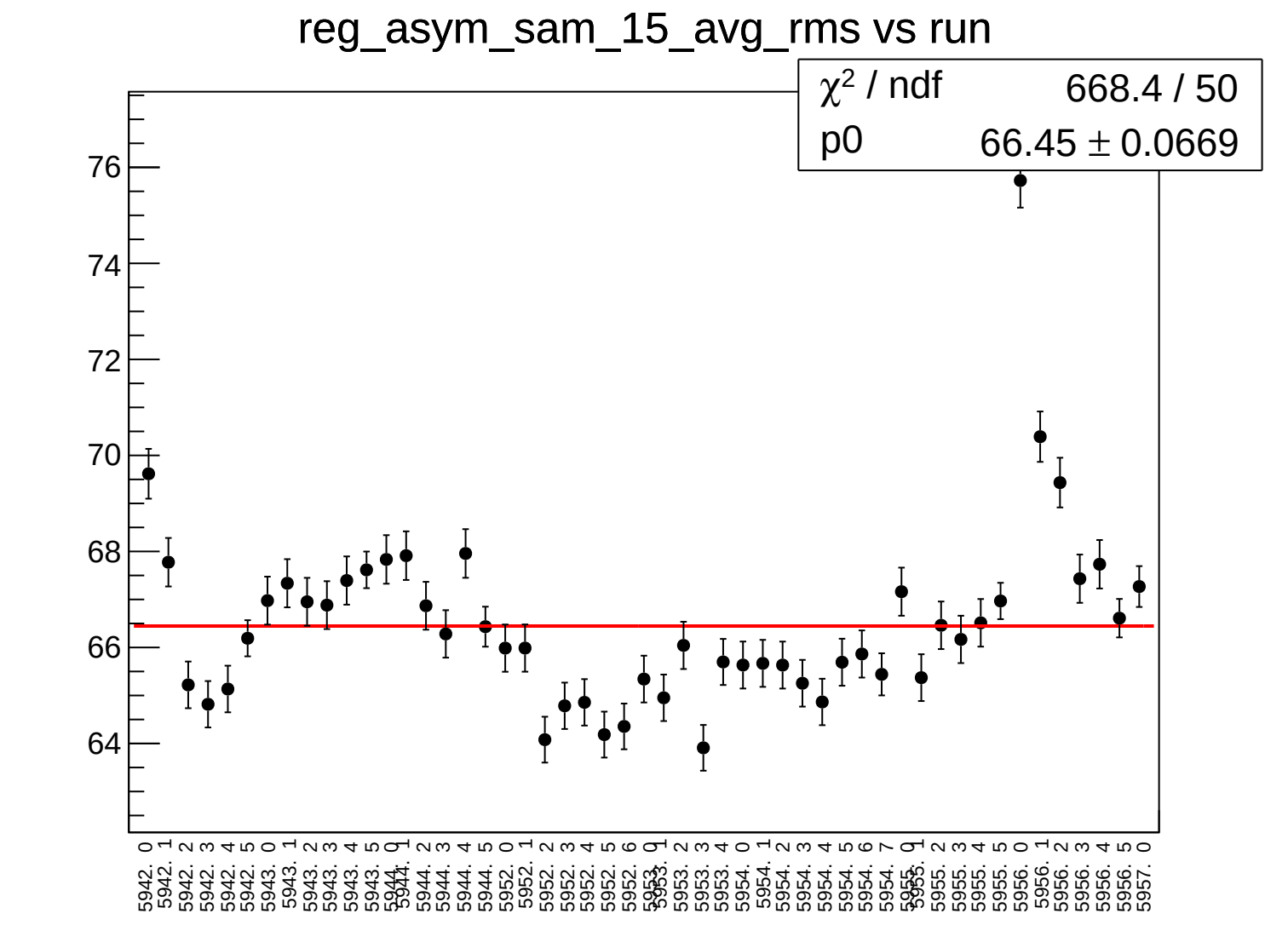

reg_asym_sam8_rms vs run
χ² / ndf 1209 / 50
p0 58.86 ± 0.05928
64
62
60
58
56
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 1
5953. 2
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

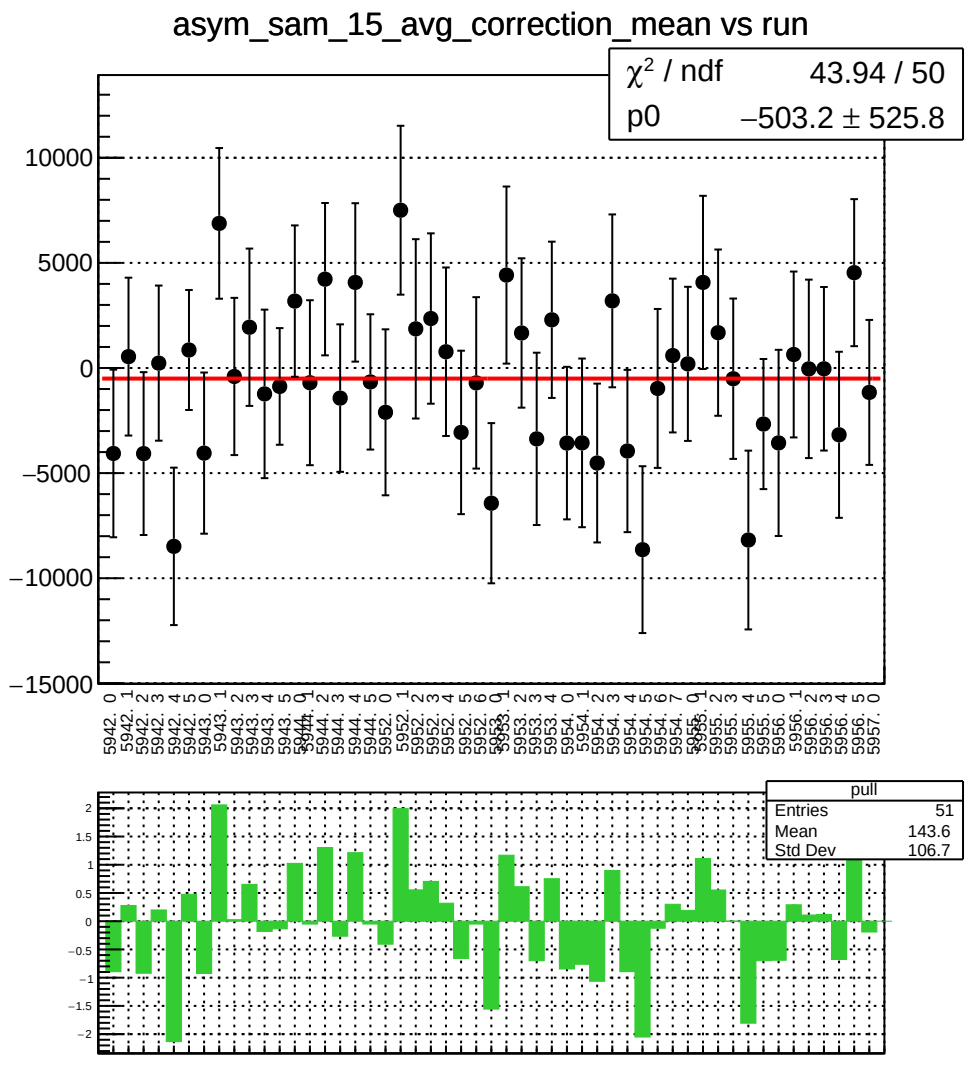

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

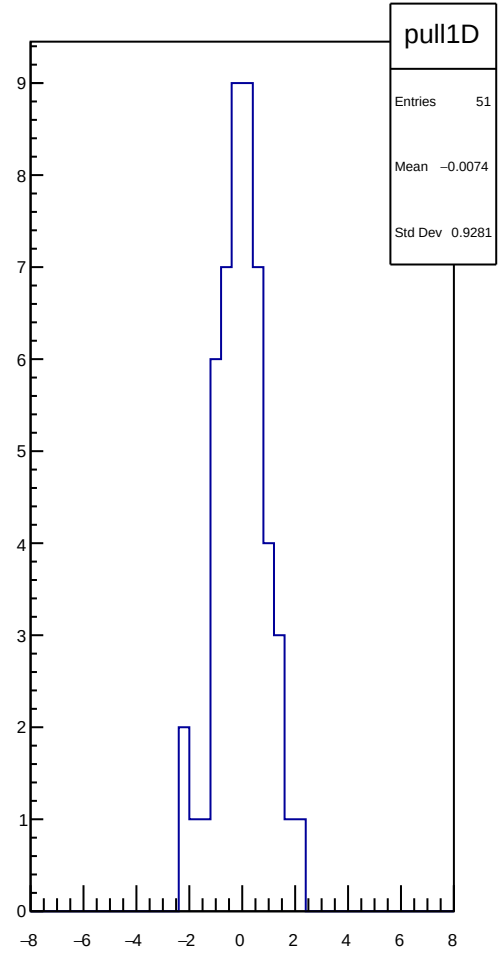

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

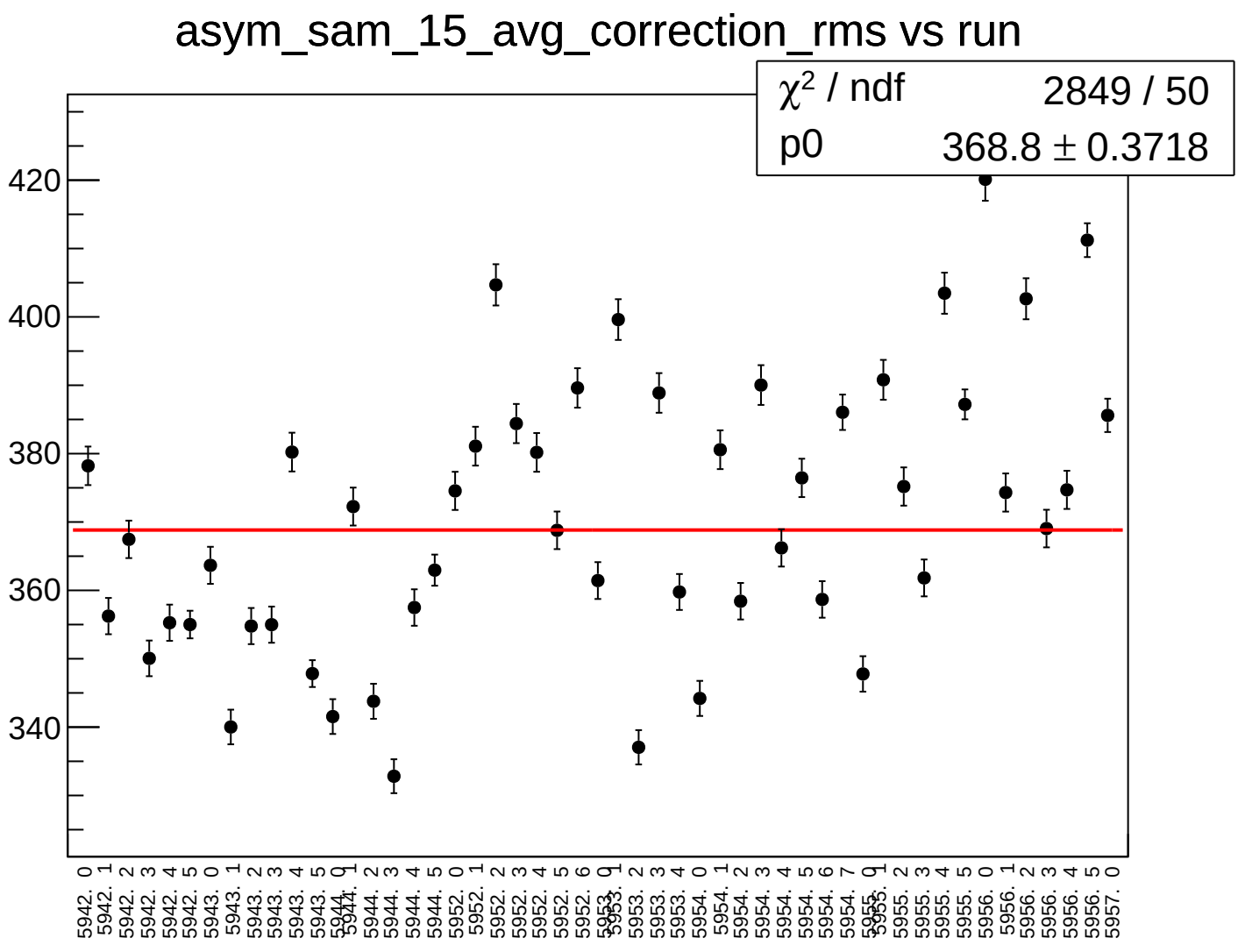

reg_asym_sam_15_avg_mean vs run
χ² / ndf 44.32 / 50
p0 −174.6 ± 94.62
pull
Entries 51
Mean 54.81
Std Dev 49.27

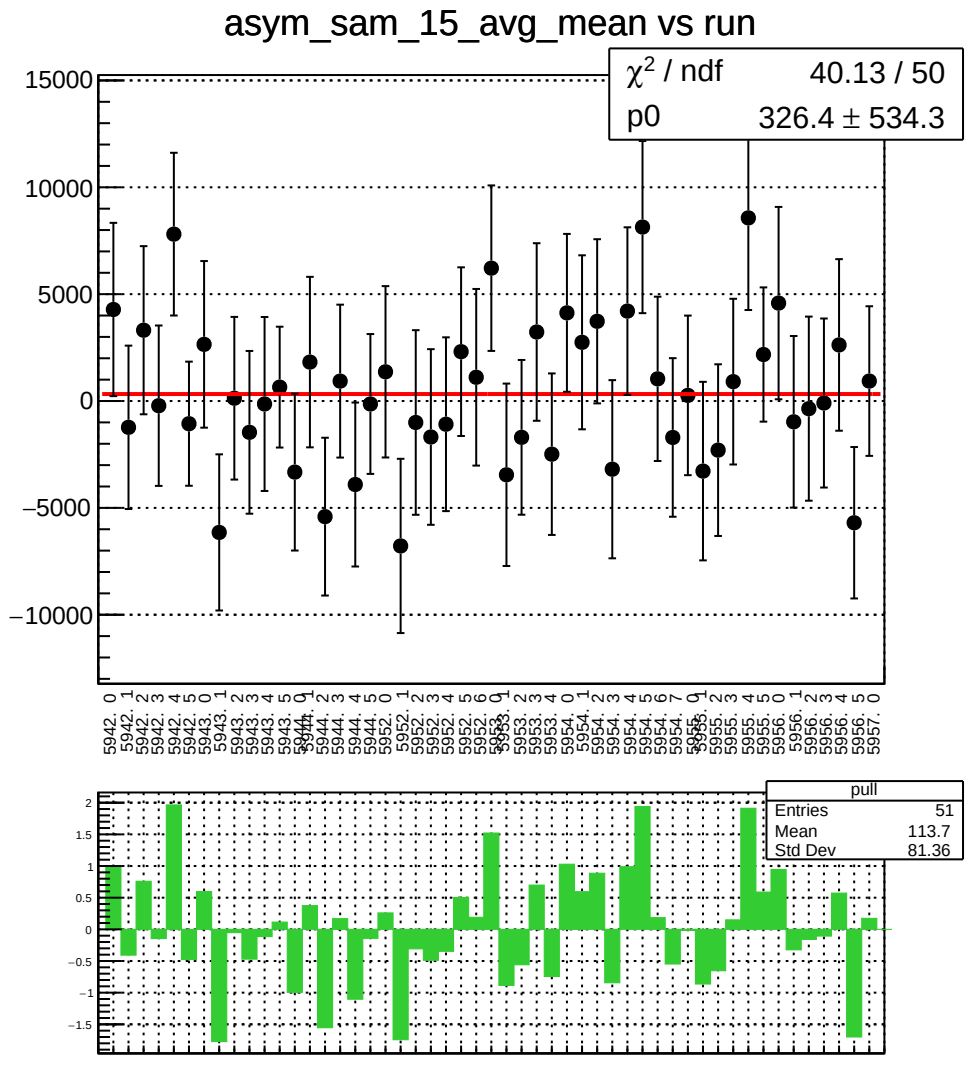

pull1D
Entries 51
Mean 0.0217
Std Dev 0.9319

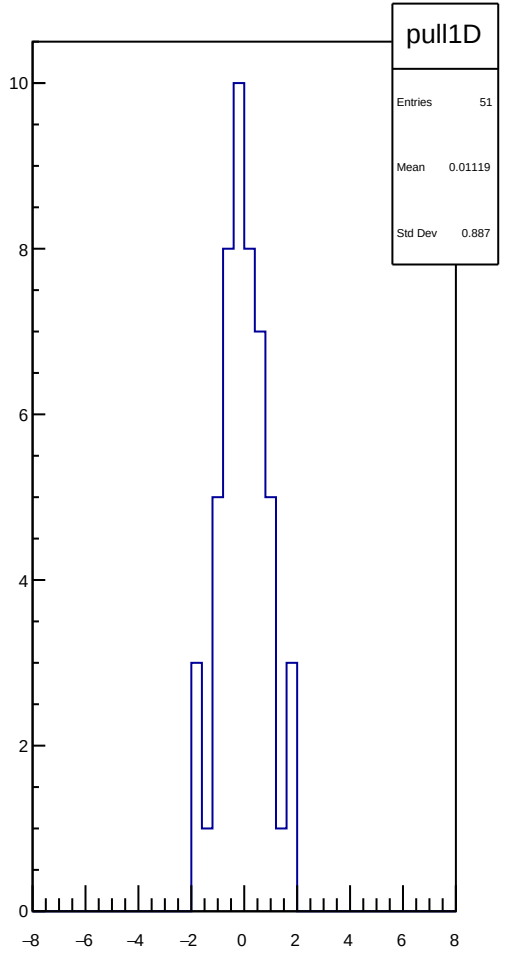

reg_asym_sam_15_avg_rms vs run
χ² / ndf 668.4 / 50
p0 66.45 ± 0.0669
76
74
72
70
68
66
64
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 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

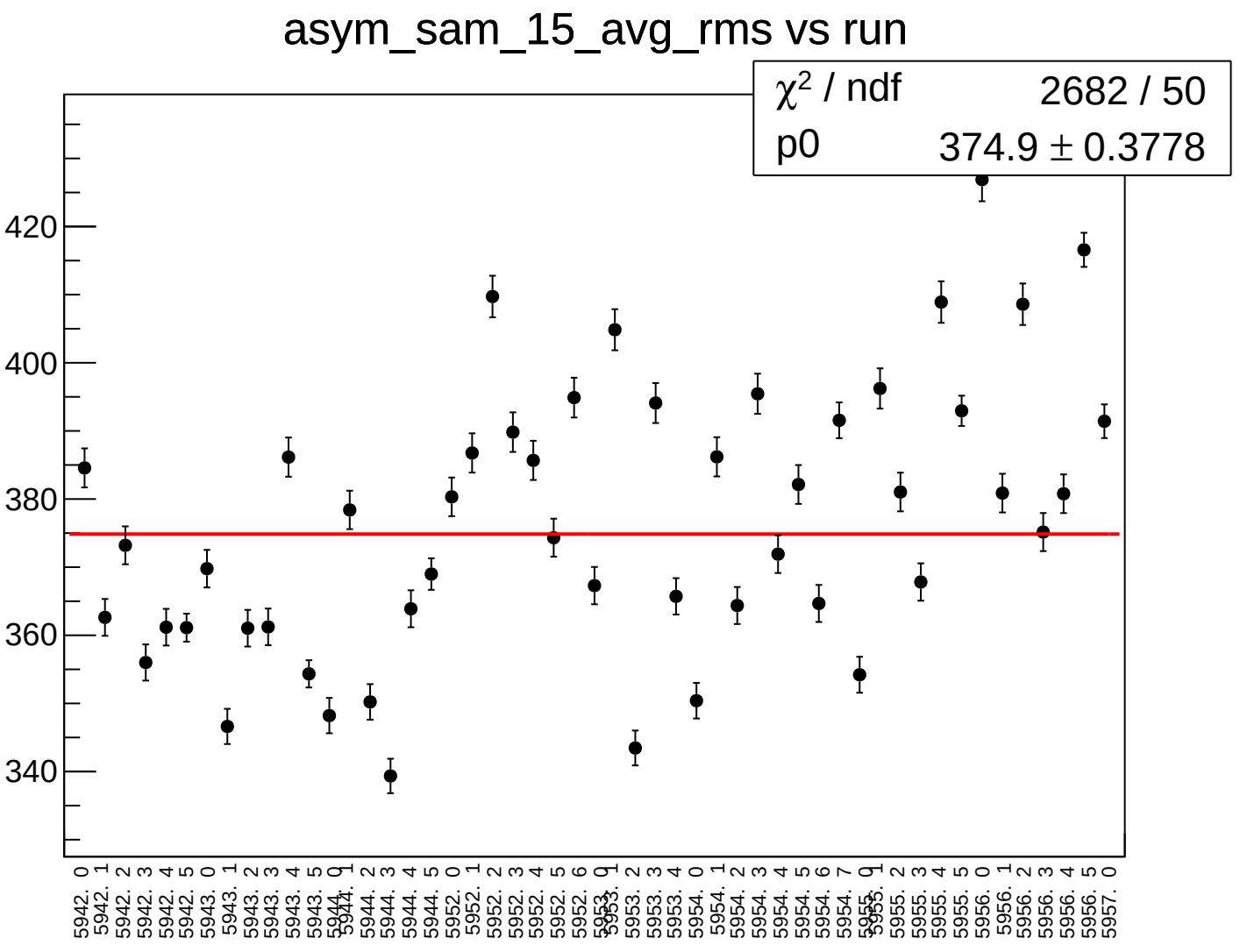

asym_sam_15_avg_correction_mean vs run
χ² / ndf 43.94 / 50
p0 −503.2 ± 525.8
pull
Entries 51
Mean 143.6
Std Dev 106.7

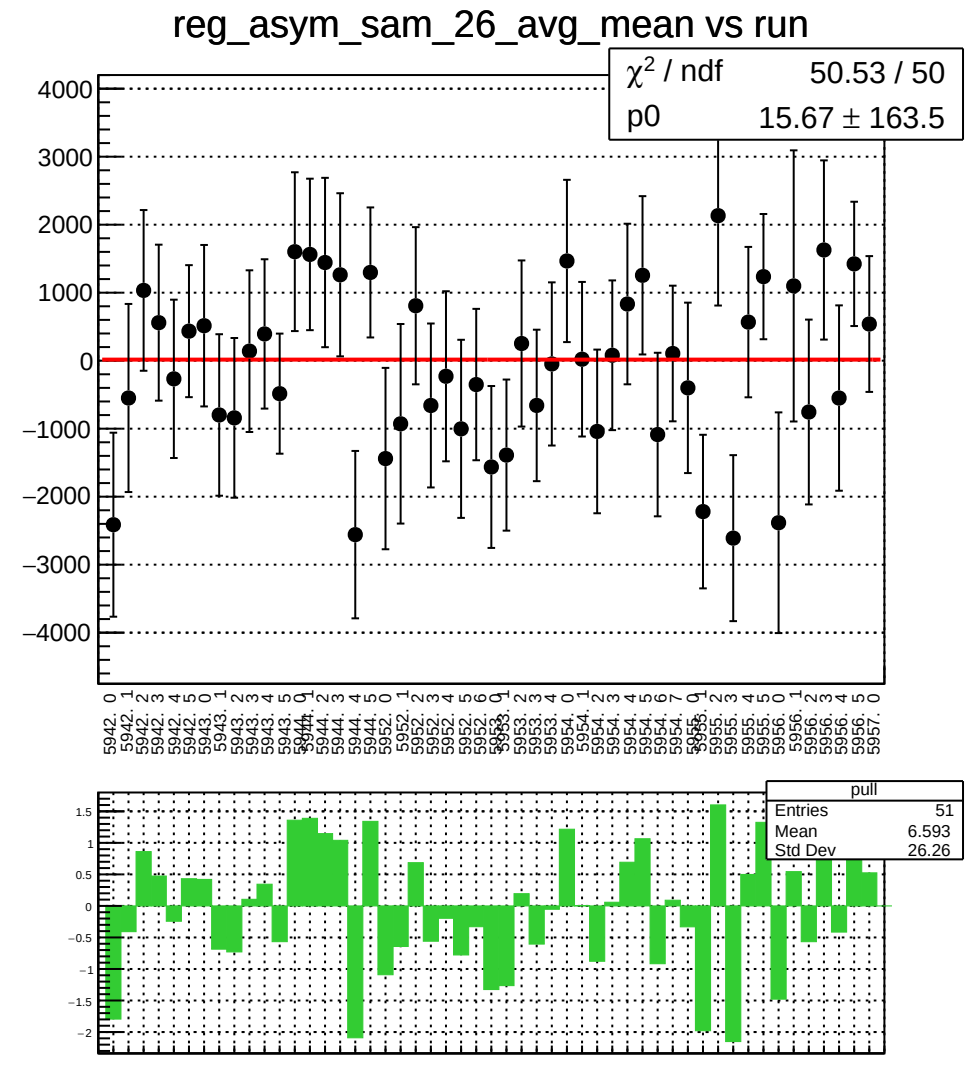

pull1D
Entries 51
Mean −0.0074
Std Dev 0.9281

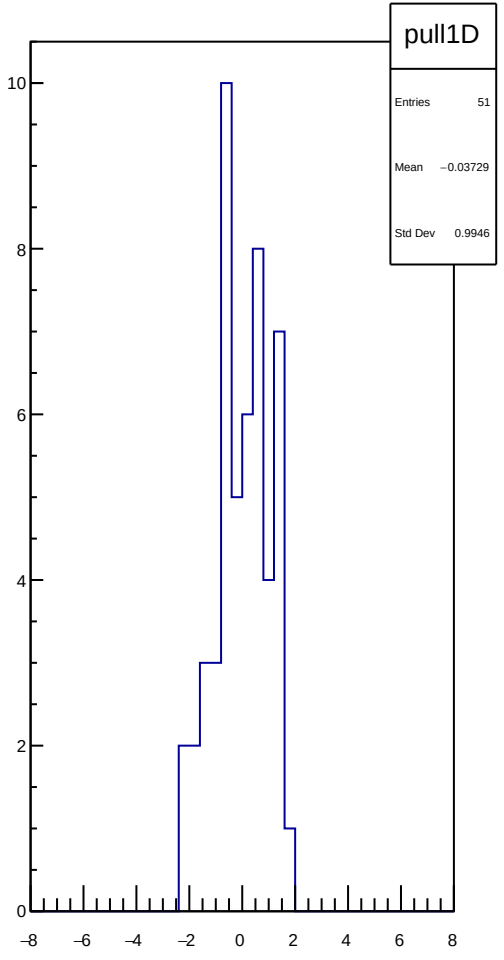

asym_sam_15_avg_correction_rms vs run
χ² / ndf 2849 / 50
p0 368.8 ± 0.3718
420
400
380
360
340
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 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

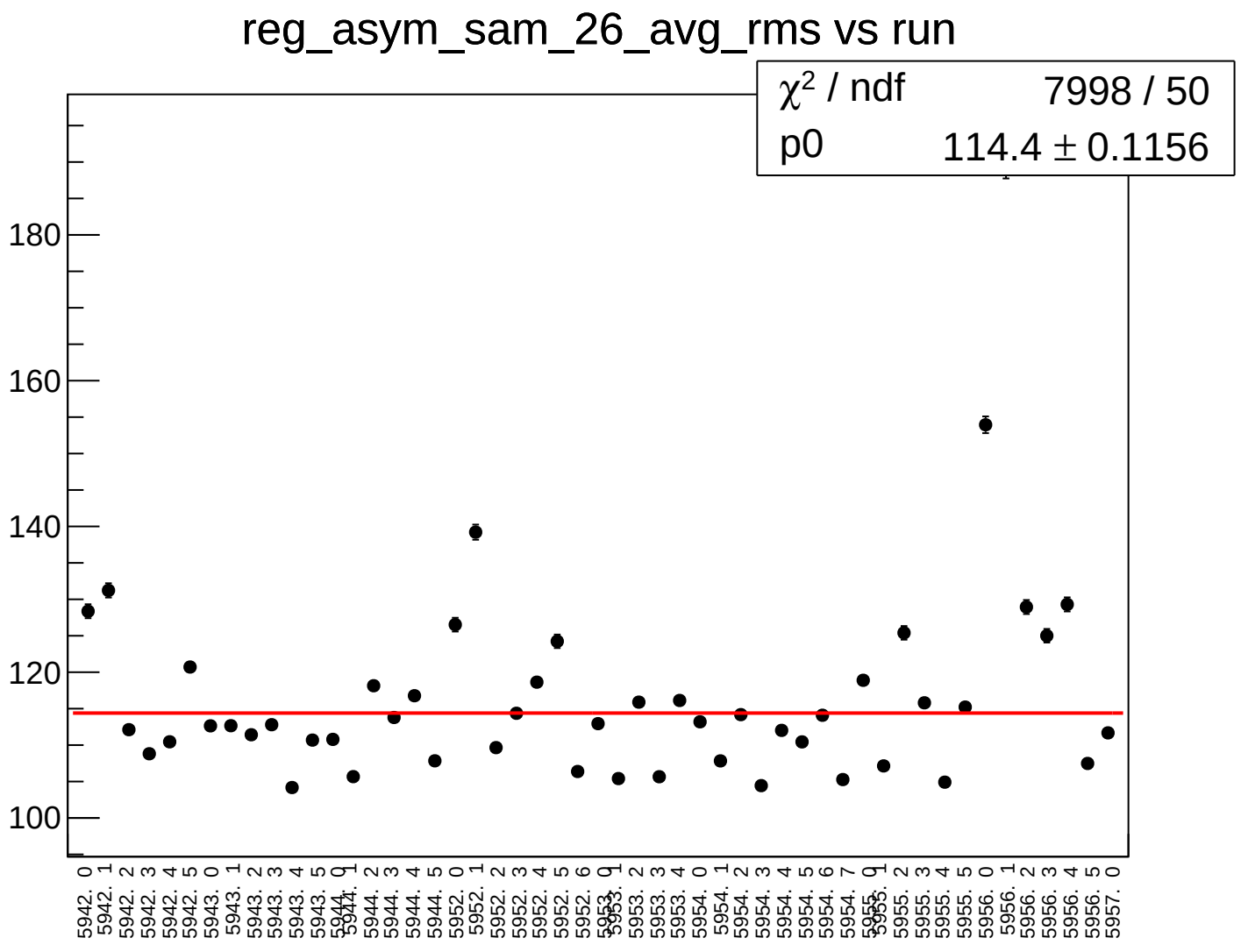

asym_sam_15_avg_mean vs run
χ² / ndf 40.13 / 50
p0 326.4 ± 534.3
15000
10000
5000
0
−5000
−10000
pull
Entries 51
Mean 113.7
Std Dev 81.36
2
1.5
1
0.5
0
−0.5
−1
−1.5

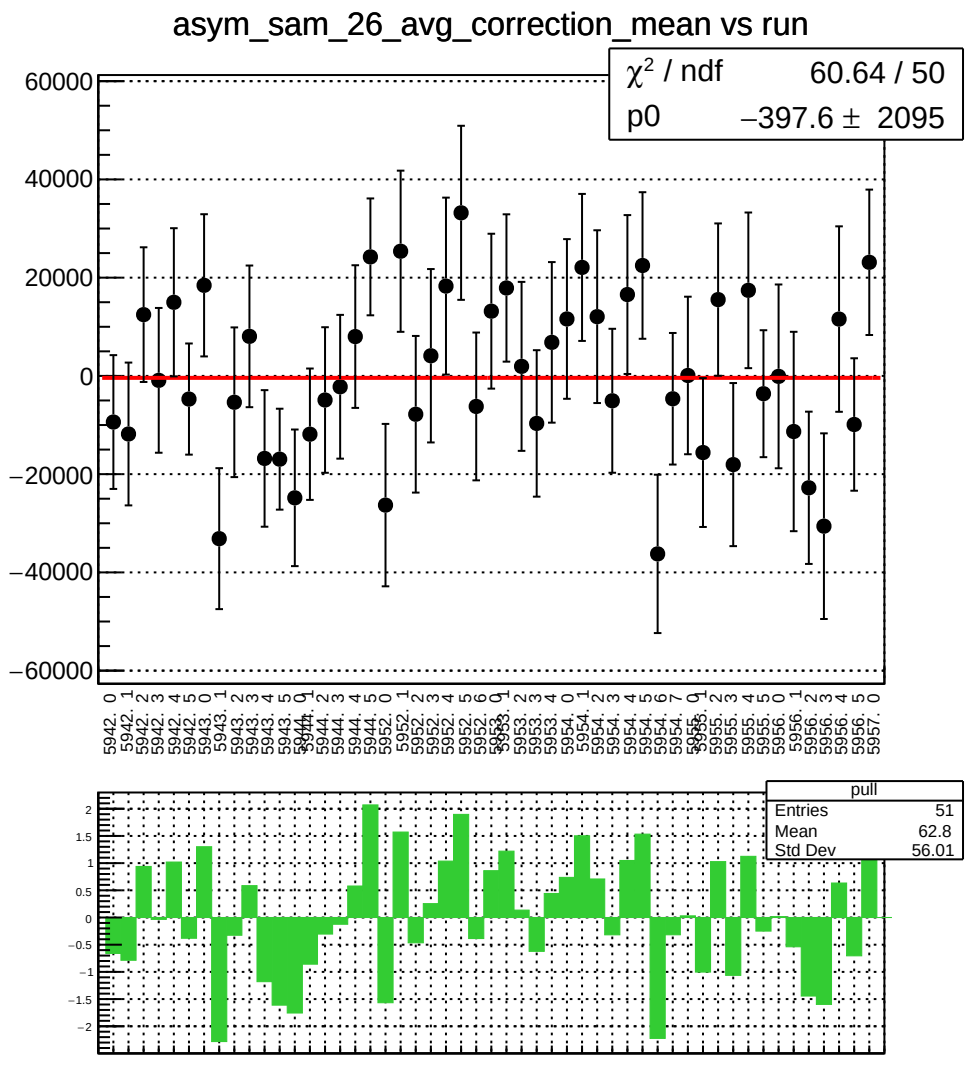

pull1D
Entries 51
Mean 0.01119
Std Dev 0.887
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

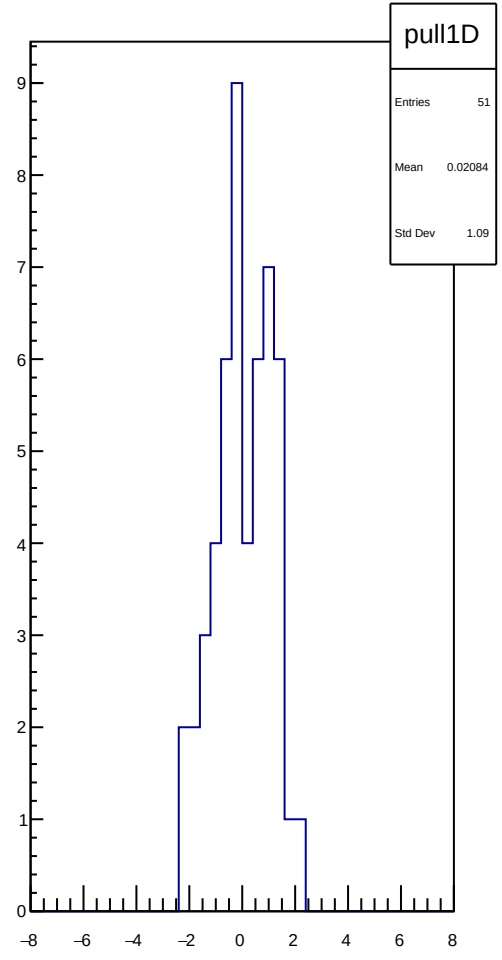

asym_sam_15_avg_rms vs run
χ² / ndf 2682 / 50
p0 374.9 ± 0.3778
420
400
380
360
340
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 1
5953. 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

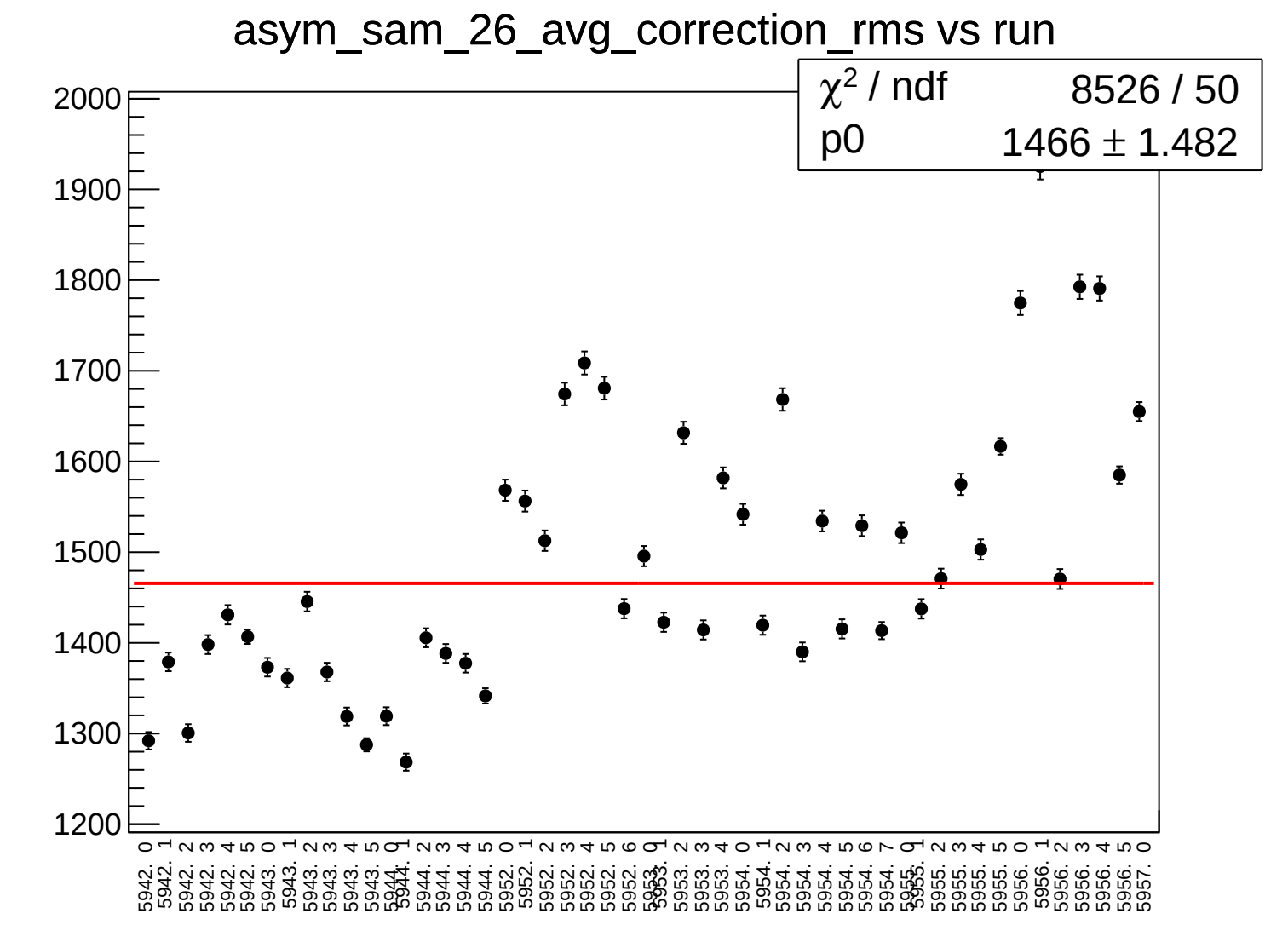

reg_asym_sam_26_avg_mean vs run
χ² / ndf 50.53 / 50
p0 15.67 ± 163.5
pull
Entries 51
Mean 6.593
Std Dev 26.26

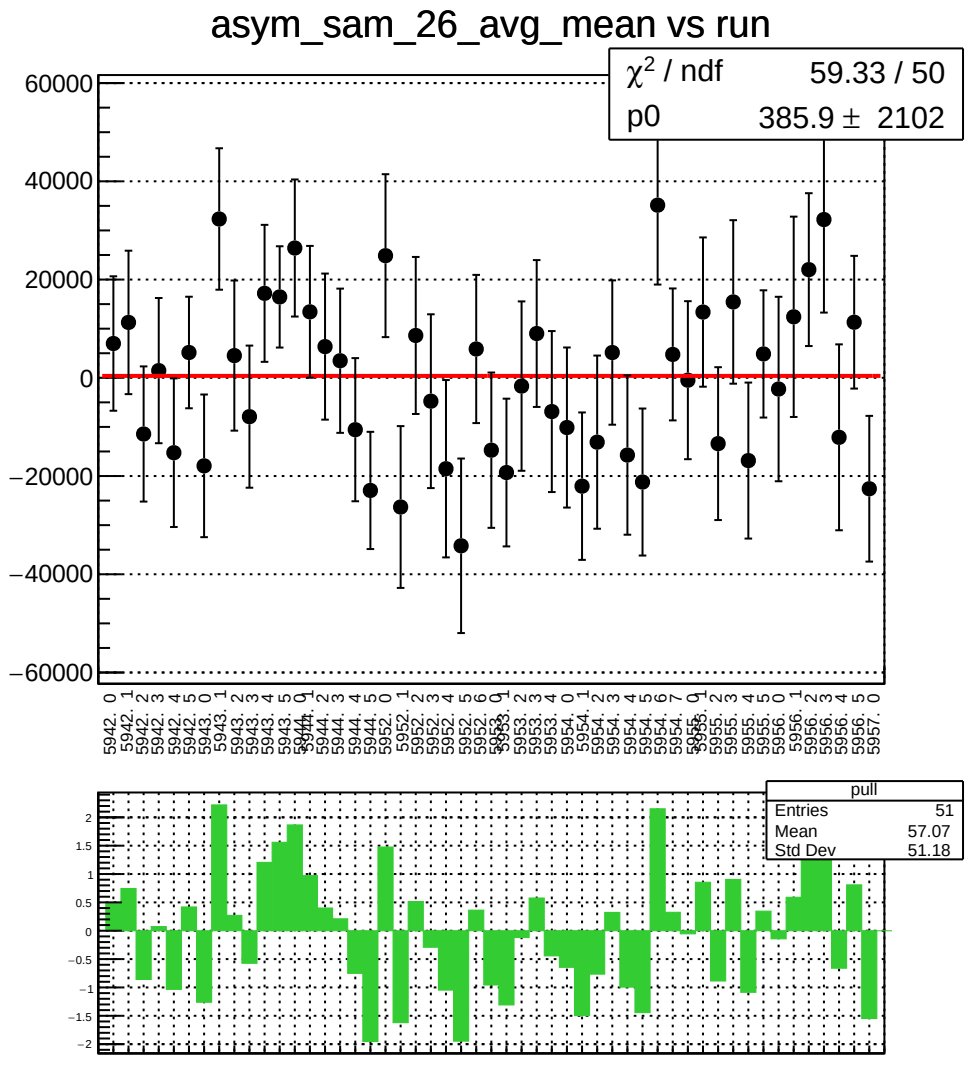

pull1D
Entries 51
Mean −0.03729
Std Dev 0.9946

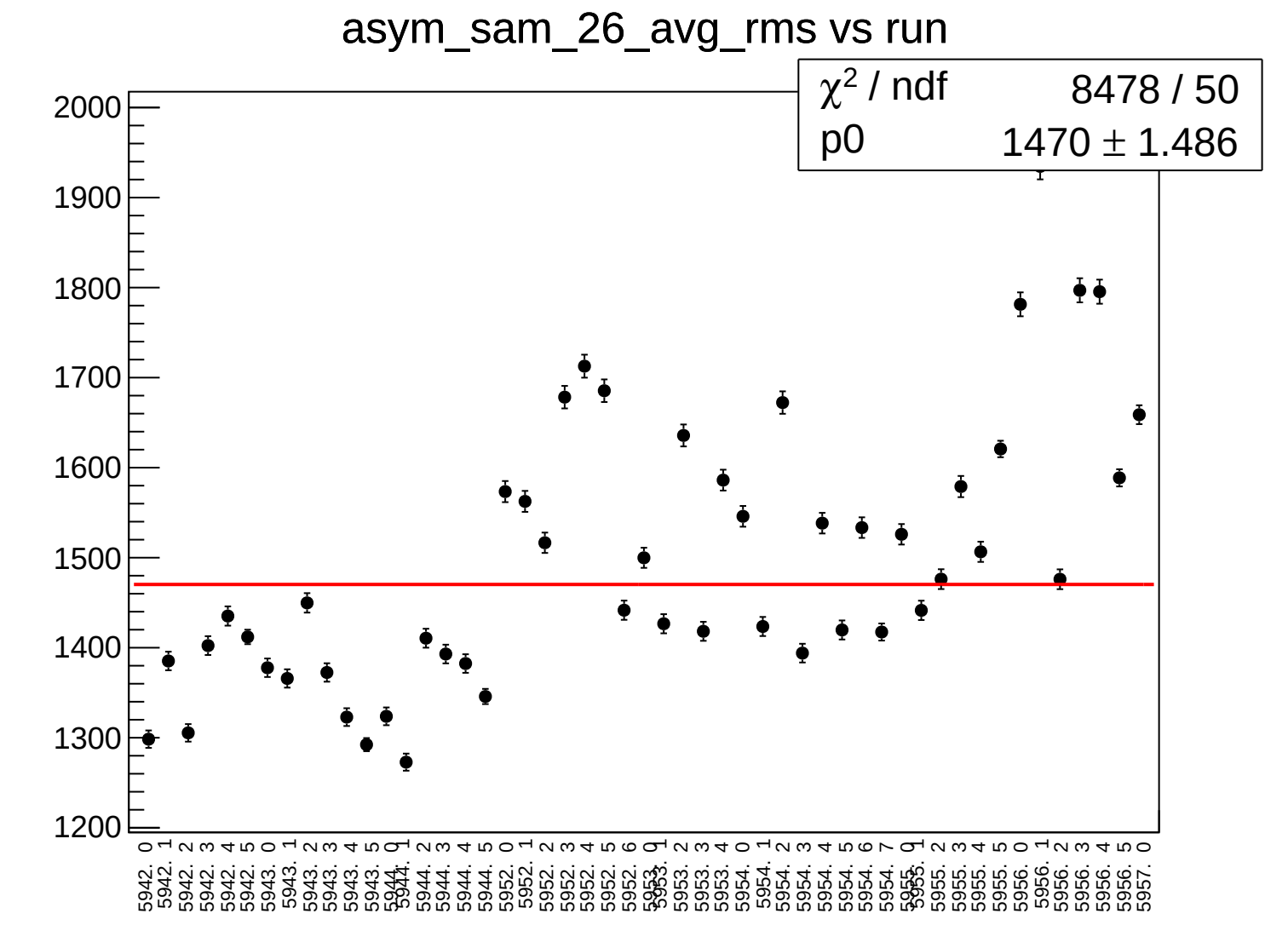

reg_asym_sam_26_avg_rms vs run
χ² / ndf 7998 / 50
p0 114.4 ± 0.1156
180
160
140
120
100
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 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

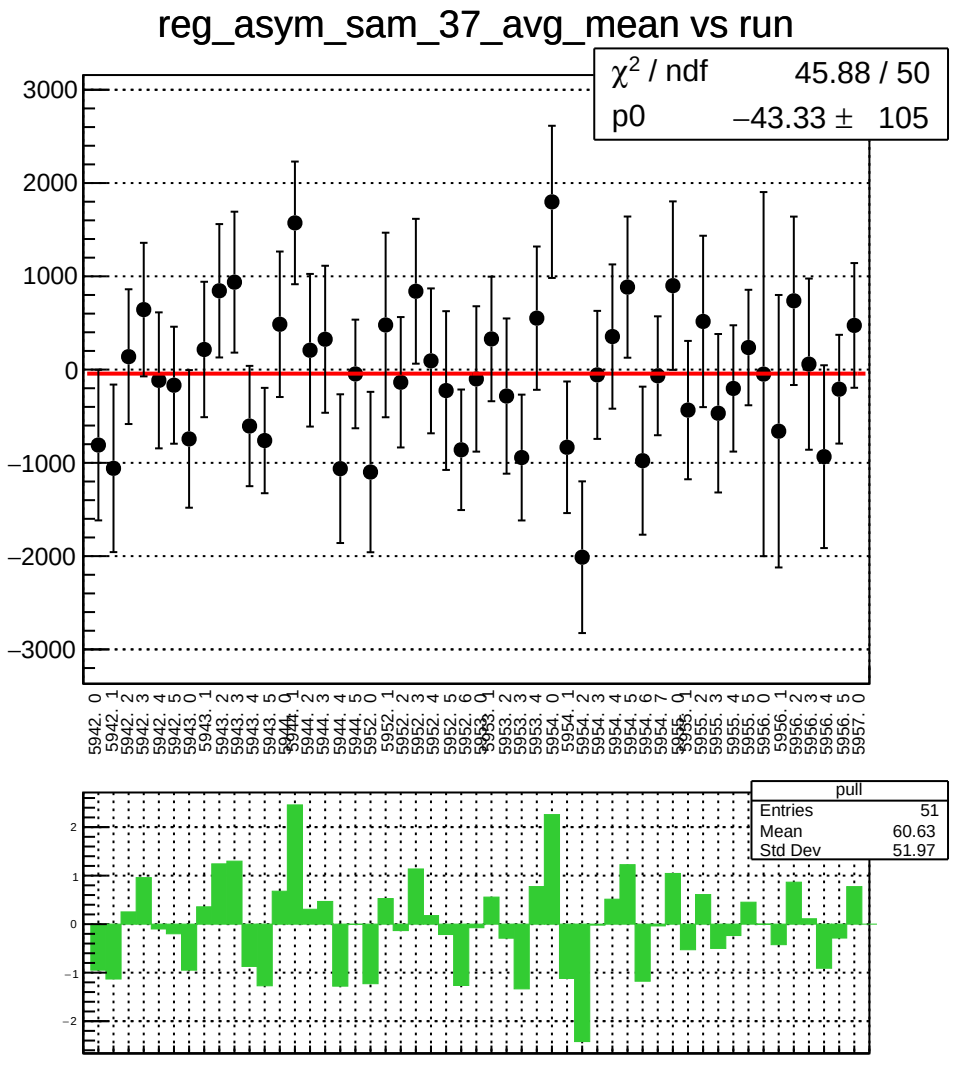

asym_sam_26_avg_correction_mean vs run
χ² / ndf 60.64 / 50
p0 −397.6 ± 2095
pull
Entries 51
Mean 62.8
Std Dev 56.01

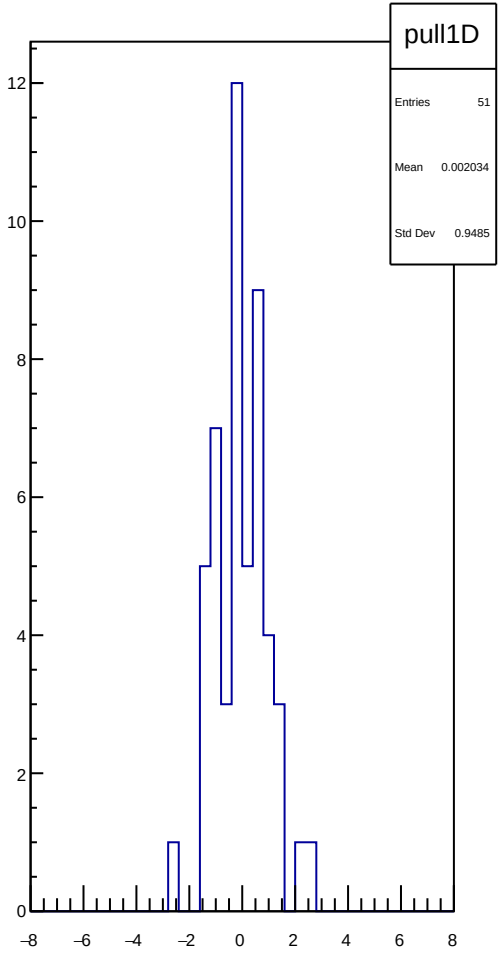

pull1D
Entries 51
Mean 0.02084
Std Dev 1.09

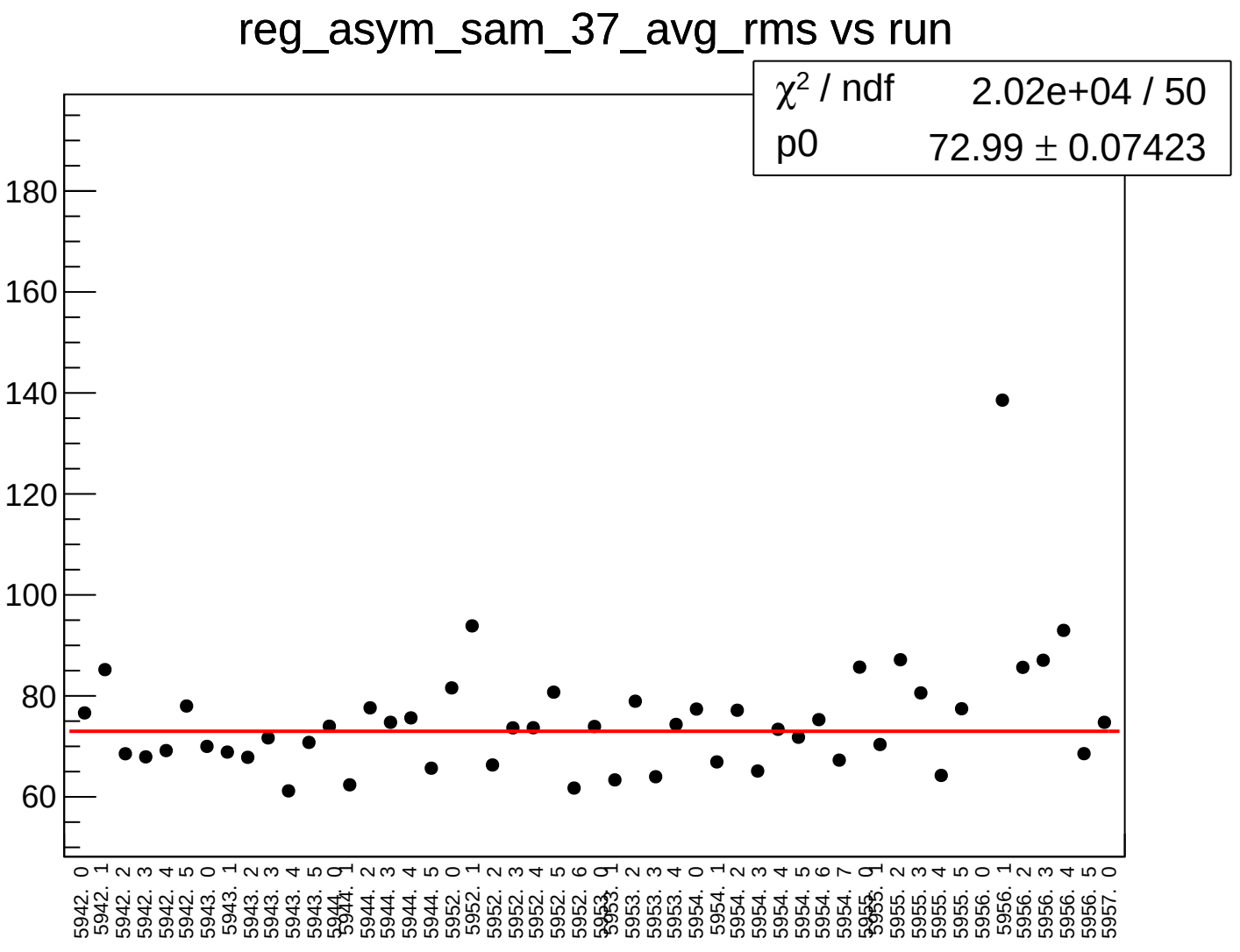

asym_sam_26_avg_correction_rms vs run
χ² / ndf 8526 / 50
p0 1466 ± 1.482
2000
1900
1800
1700
1600
1500
1400
1300
1200
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
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

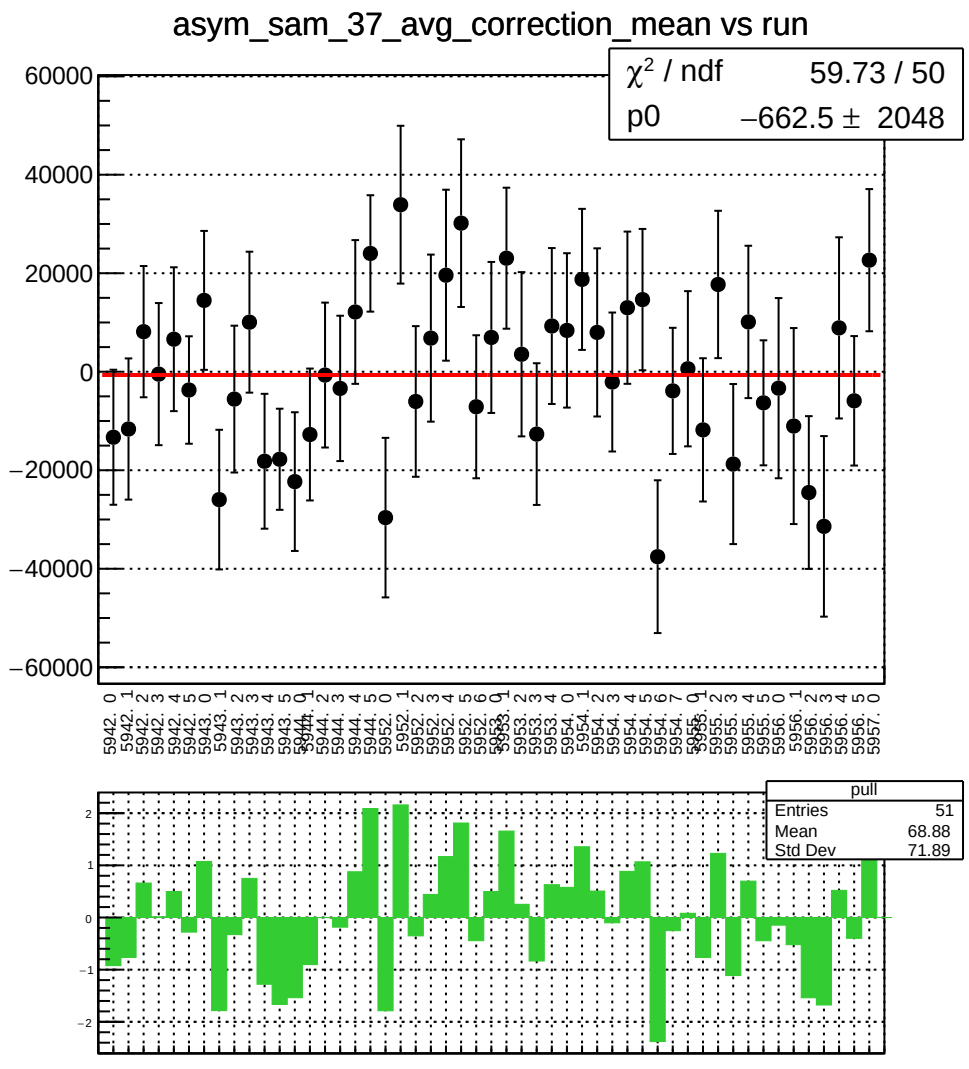

asym_sam_26_avg_mean vs run
χ^2 / ndf 59.33 / 50
p0 385.9 ± 2102
60000
40000
20000
0
−20000
−40000
−60000
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5952. 9
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
5956. 6
5957. 0
pull
Entries 51
Mean 57.07
Std Dev 51.18
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 51
Mean −0.02271
Std Dev 1.078
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

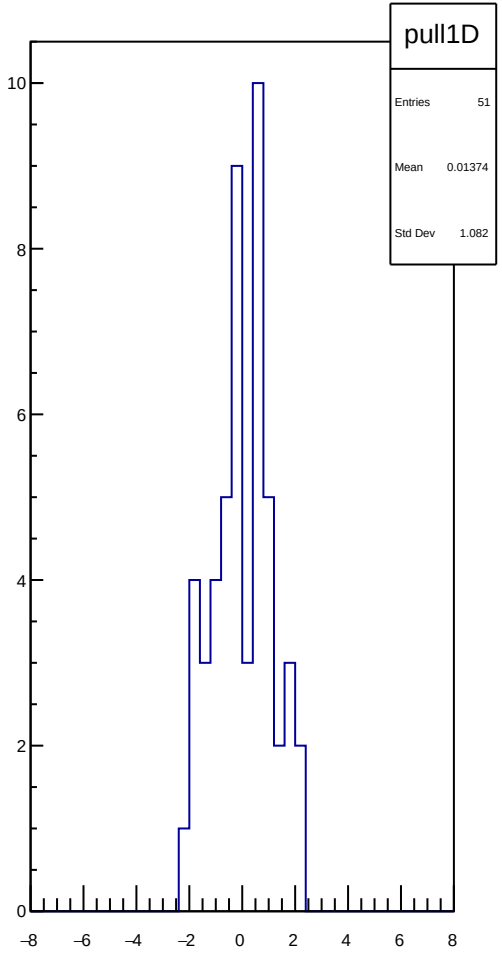

asym_sam_26_avg_rms vs run
χ² / ndf 8478 / 50
p0 1470 ± 1.486
2000
1900
1800
1700
1600
1500
1400
1300
1200
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 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

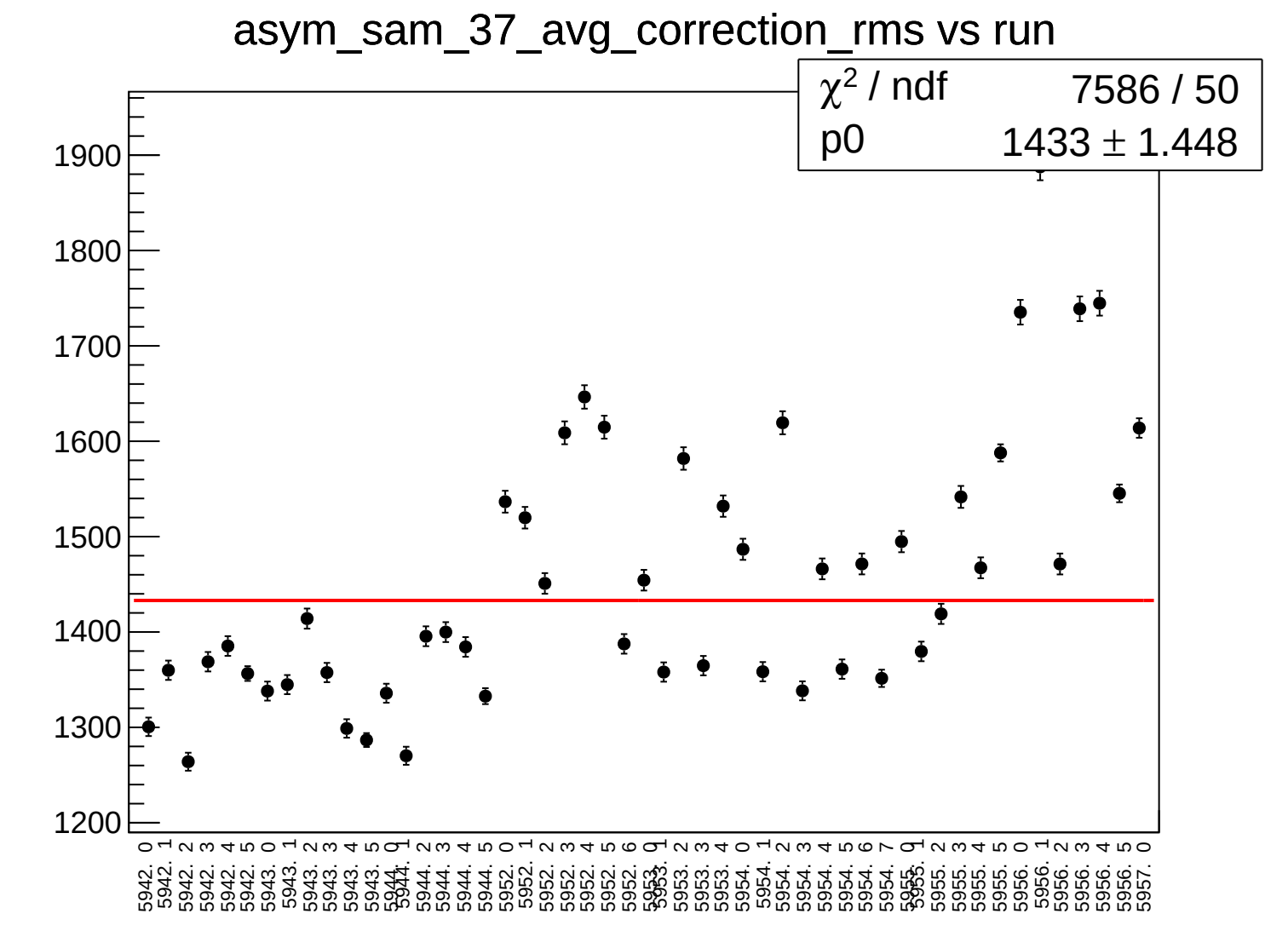

reg_asym_sam_37_avg_mean vs run
χ² / ndf 45.88 / 50
p0 −43.33 ± 105
pull
Entries 51
Mean 60.63
Std Dev 51.97

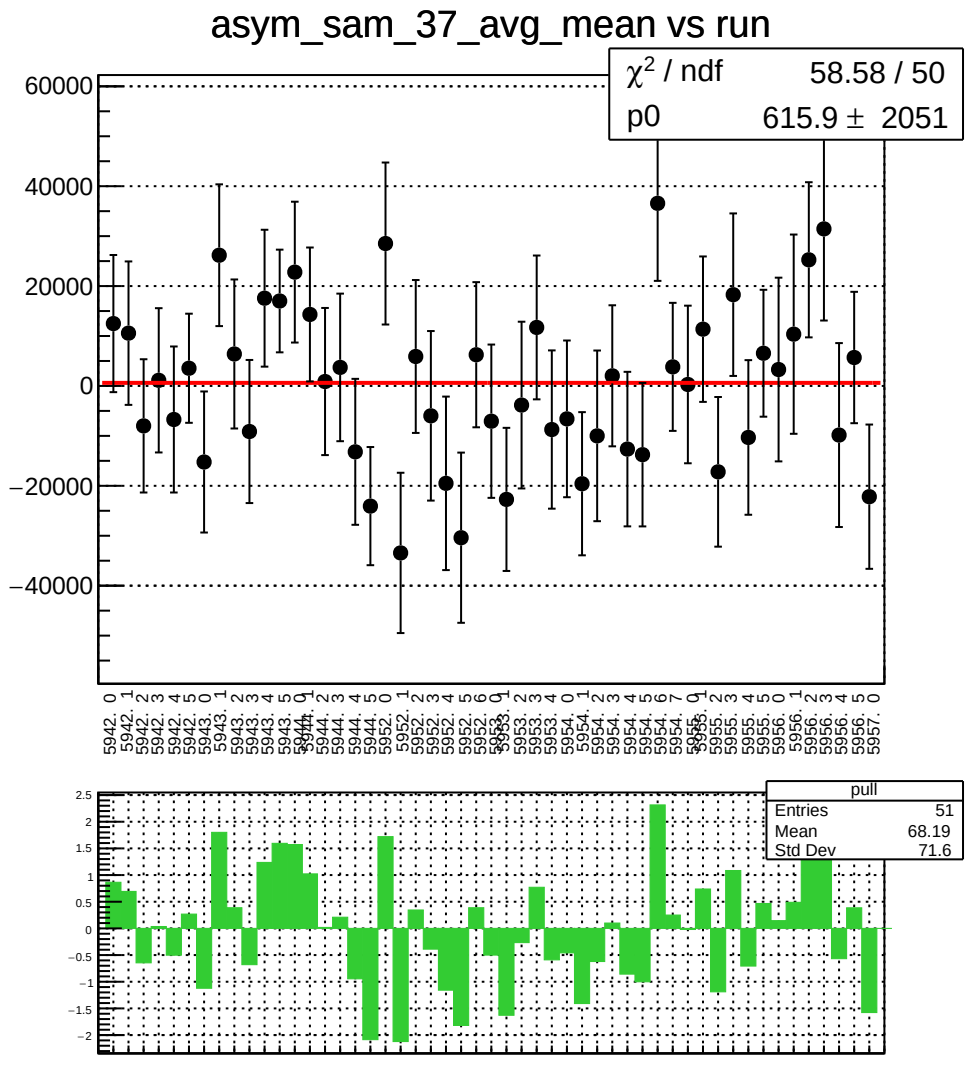

pull1D
Entries 51
Mean 0.002034
Std Dev 0.9485

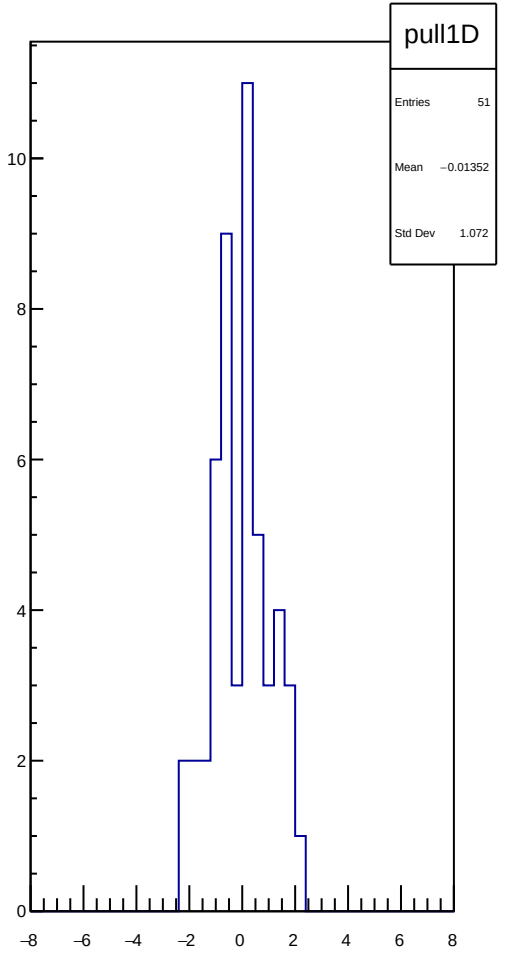

reg_asym_sam_37_avg_rms vs run
χ² / ndf 2.02e+04 / 50
p0 72.99 ± 0.07423
180
160
140
120
100
80
60
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 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

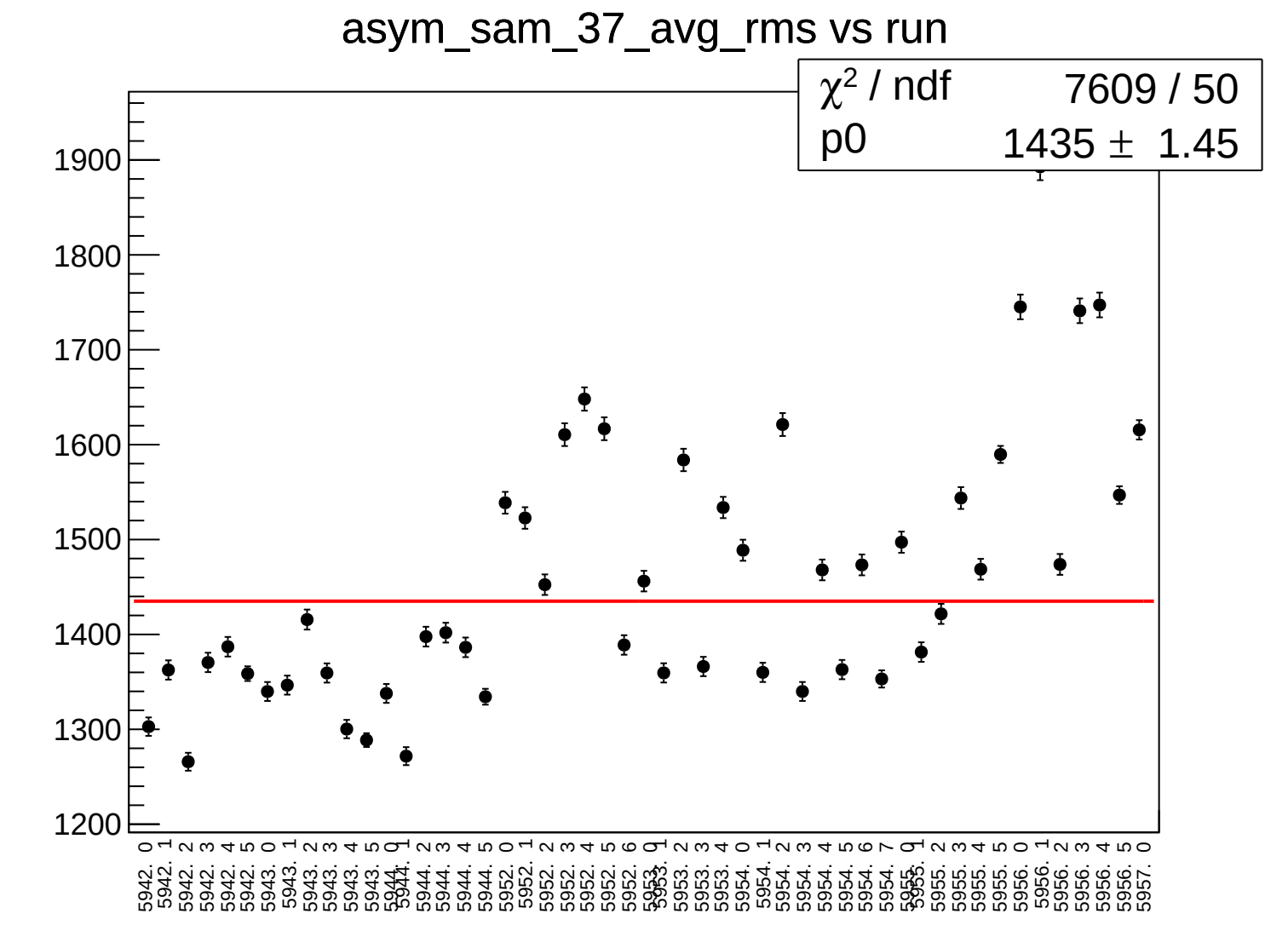

asym_sam_37_avg_correction_mean vs run
χ² / ndf 59.73 / 50
p0 −662.5 ± 2048
pull
Entries 51
Mean 68.88
Std Dev 71.89

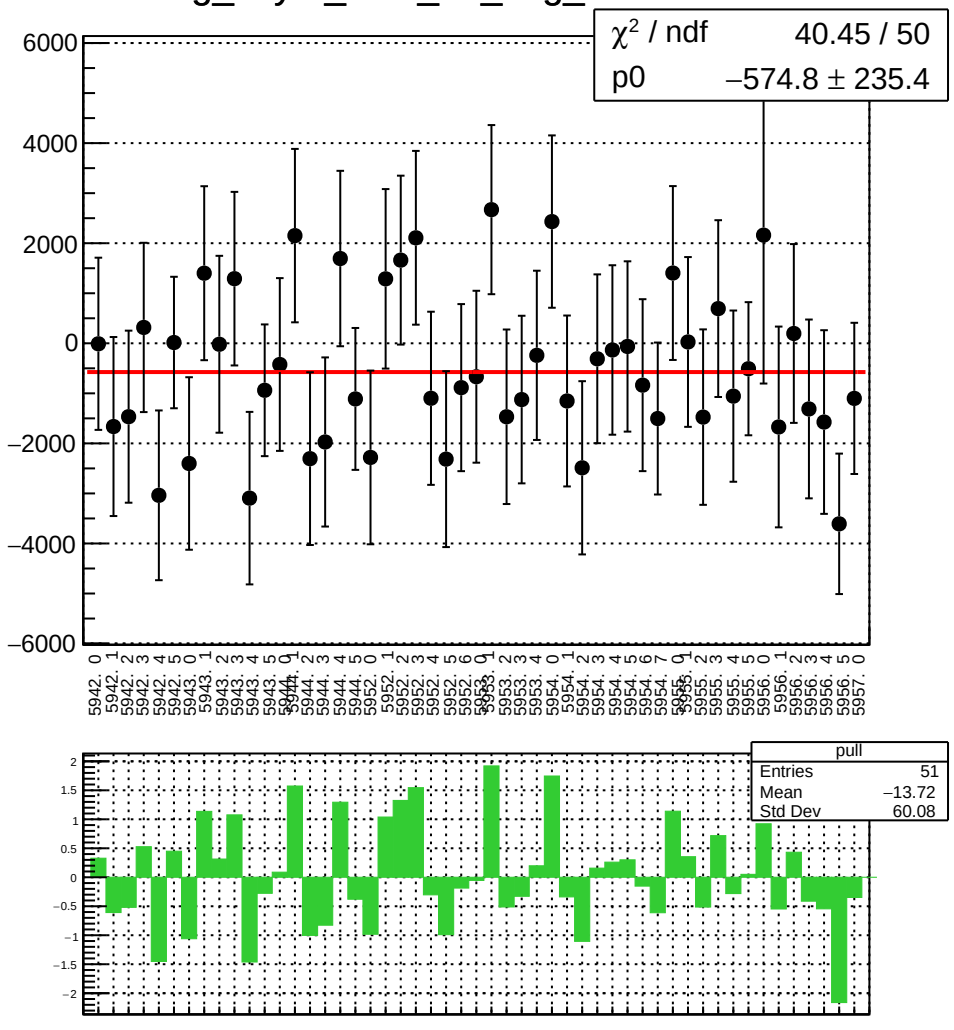

pull1D
Entries 51
Mean 0.01374
Std Dev 1.082

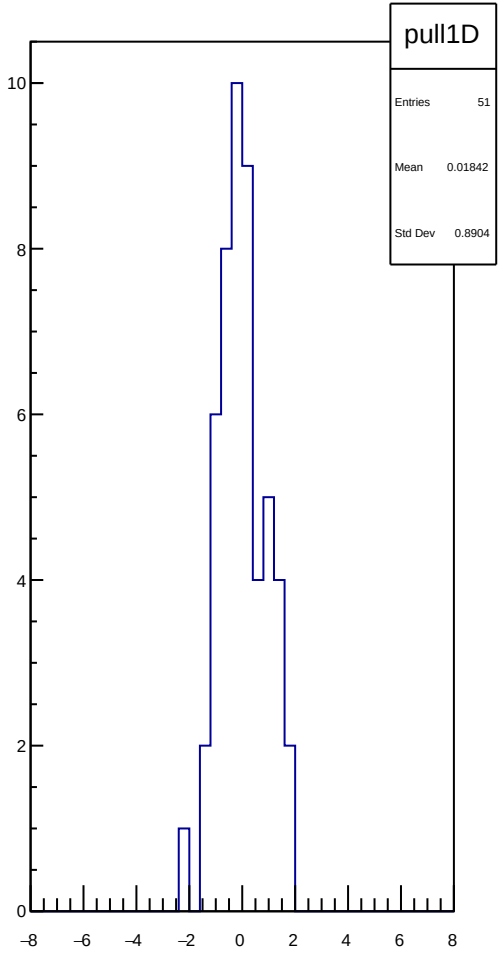

asym_sam_37_avg_correction_rms vs run
χ² / ndf 7586 / 50
p0 1433 ± 1.448
1900
1800
1700
1600
1500
1400
1300
1200
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 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

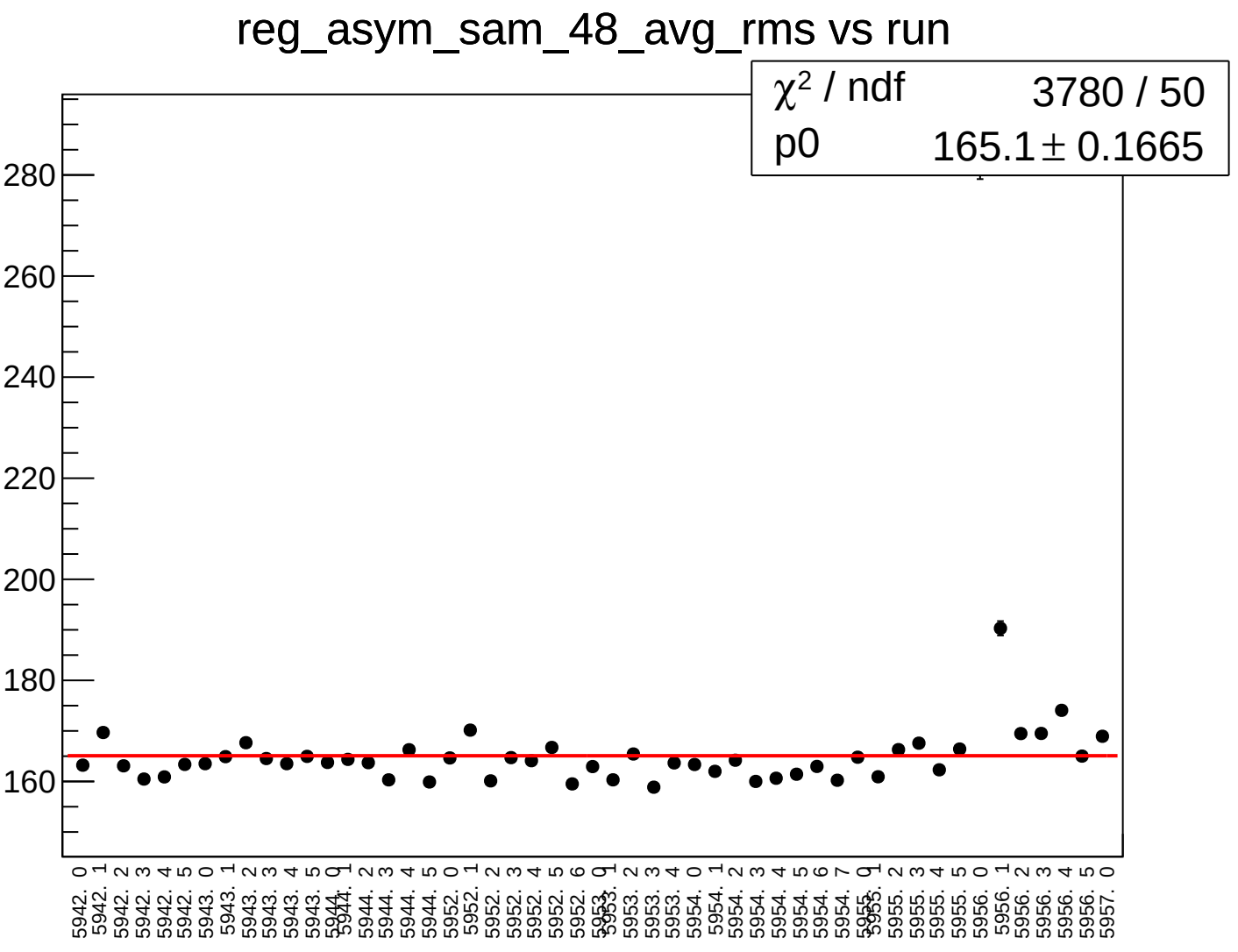

asym_sam_37_avg_mean vs run
χ² / ndf 58.58 / 50
p0 615.9 ± 2051
60000
40000
20000
0
−20000
−40000
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5952. 9
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
pull
Entries 51
Mean 68.19
Std Dev 71.6
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

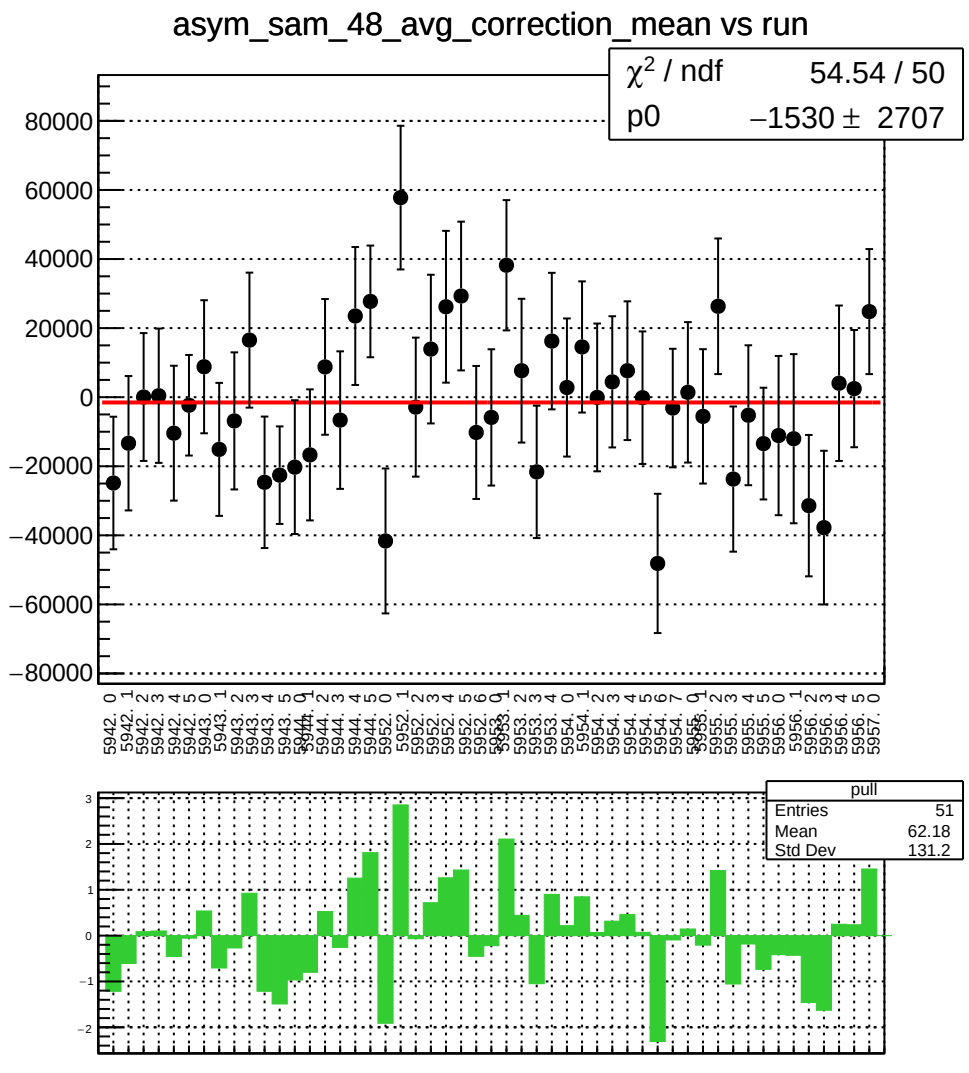

pull1D
Entries 51
Mean −0.01352
Std Dev 1.072
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

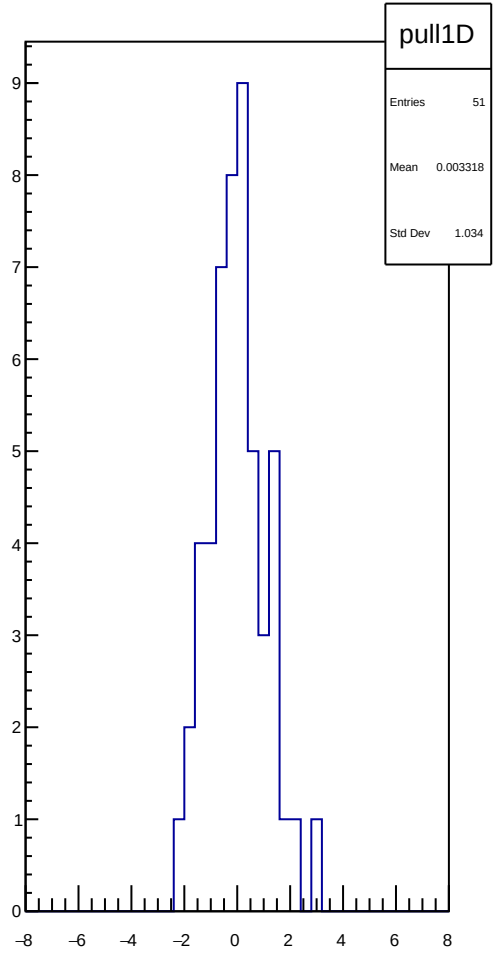

asym_sam_37_avg_rms vs run
χ² / ndf 7609 / 50
p0 1435 ± 1.45
1900
1800
1700
1600
1500
1400
1300
1200
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
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

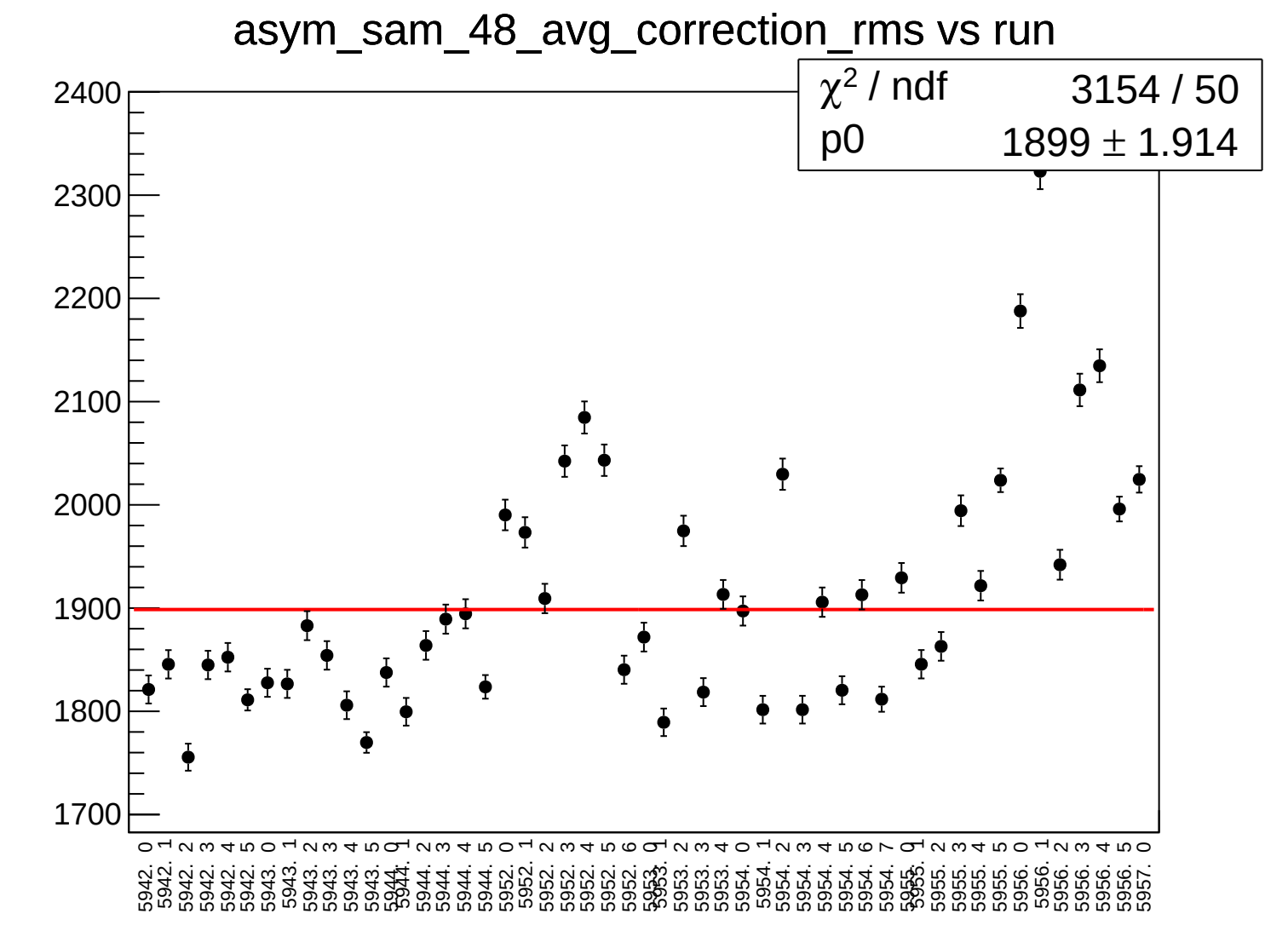

reg_asym_sam_48_avg_mean vs run
χ² / ndf 40.45 / 50
p0 −574.8 ± 235.4
pull
Entries 51
Mean −13.72
Std Dev 60.08

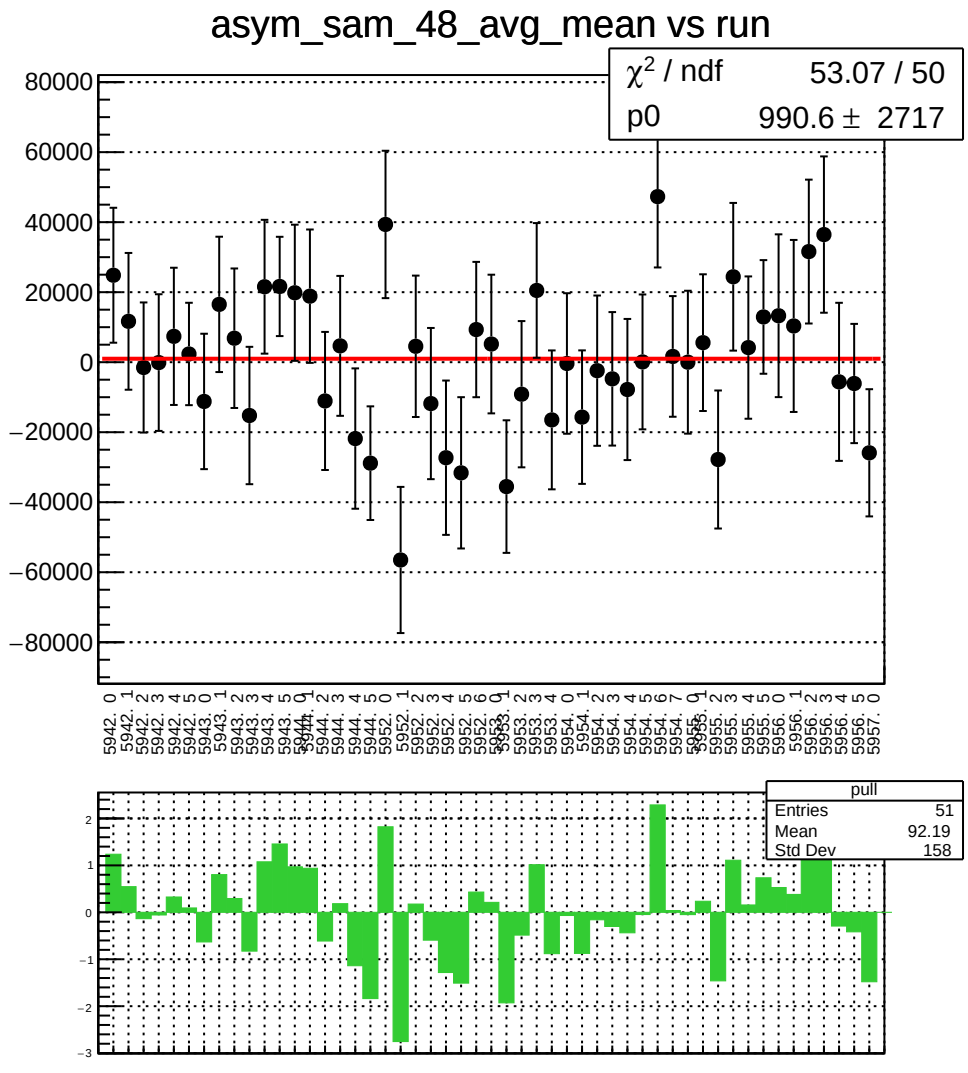

pull1D
Entries 51
Mean 0.01842
Std Dev 0.8904

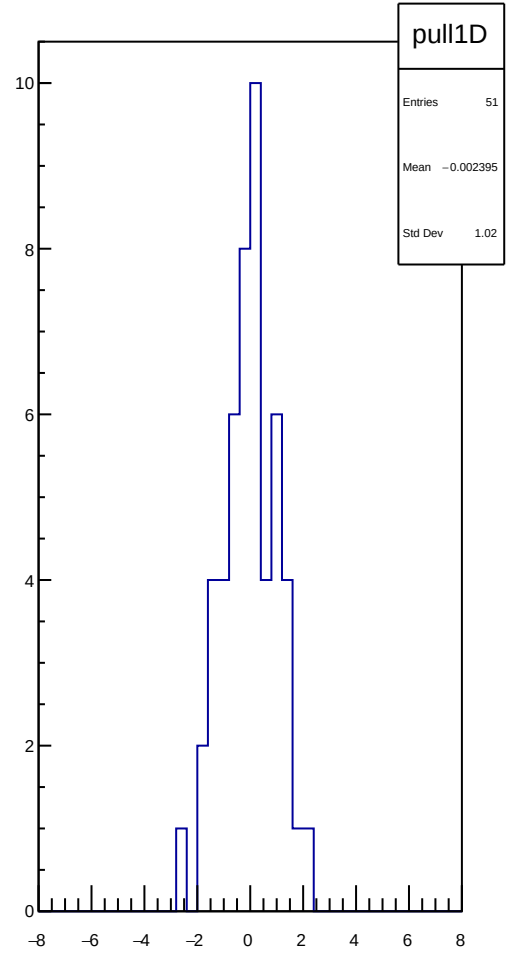

reg_asym_sam_48_avg_rms vs run
χ² / ndf 3780 / 50
p0 165.1 ± 0.1665
280
260
240
220
200
180
160
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 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

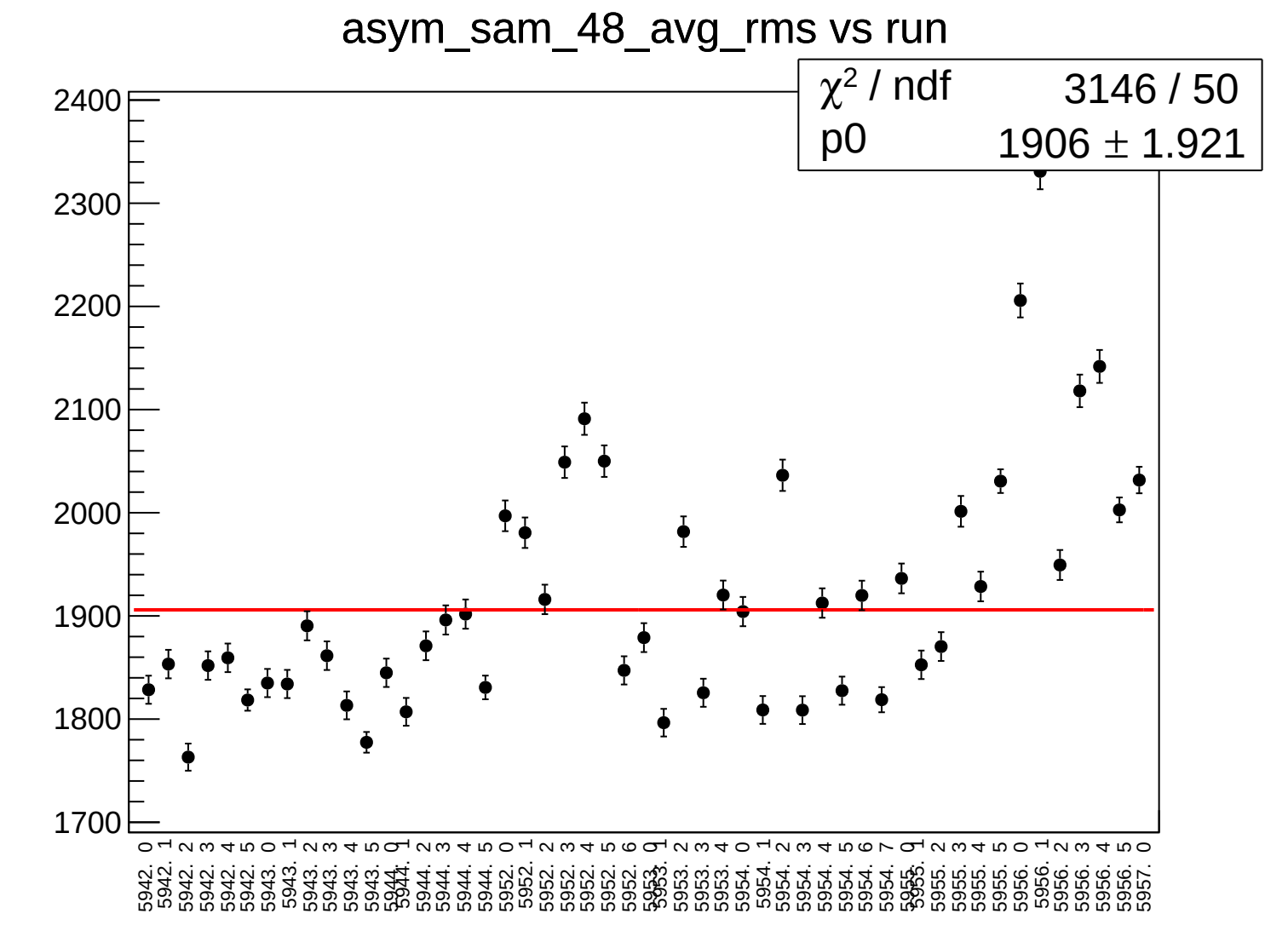

asym_sam_48_avg_correction_mean vs run
χ² / ndf 54.54 / 50
p0 −1530 ± 2707
pull
Entries 51
Mean 62.18
Std Dev 131.2

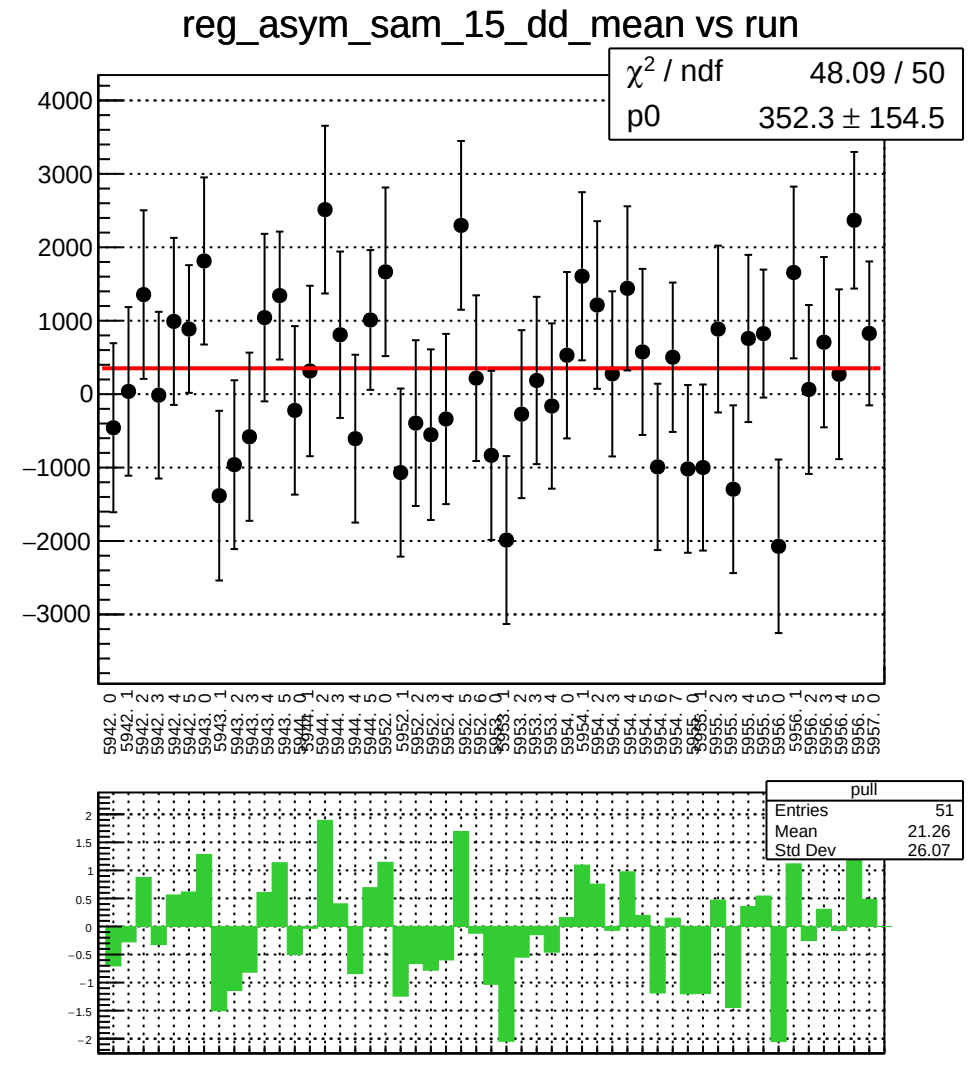

pull1D
Entries 51
Mean 0.003318
Std Dev 1.034

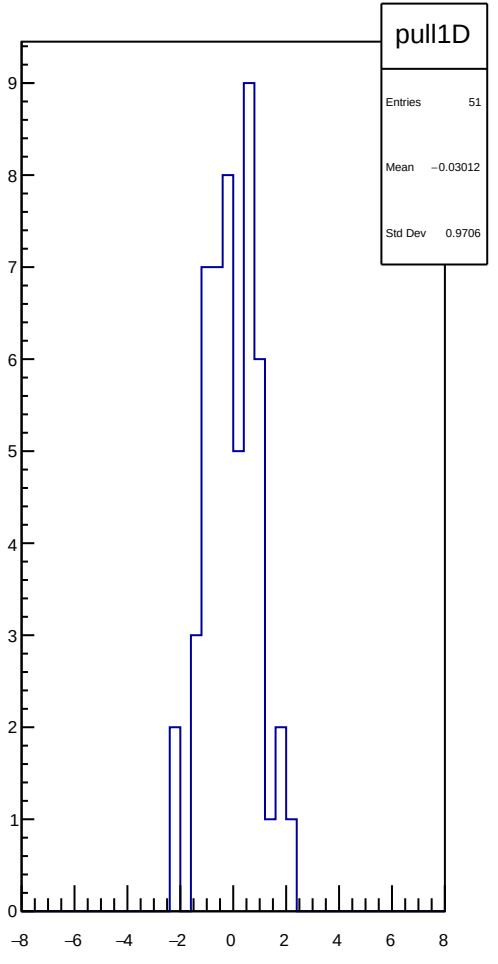

asym_sam_48_avg_correction_rms vs run
χ² / ndf 3154 / 50
p0 1899 ± 1.914
2400
2300
2200
2100
2000
1900
1800
1700
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 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

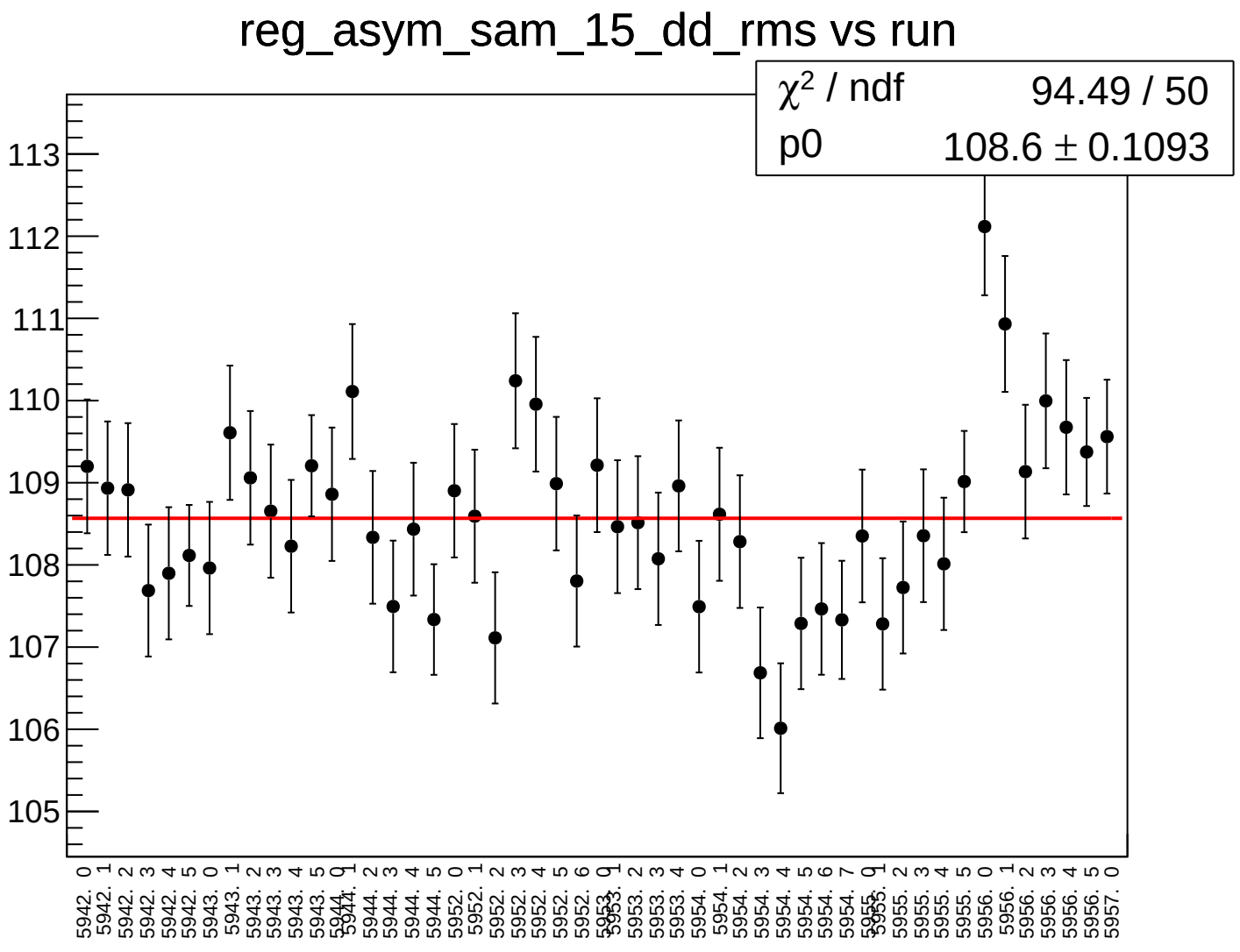

asym_sam_48_avg_mean vs run
χ² / ndf 53.07 / 50
p0 990.6 ± 2717
pull
Entries 51
Mean 92.19
Std Dev 158

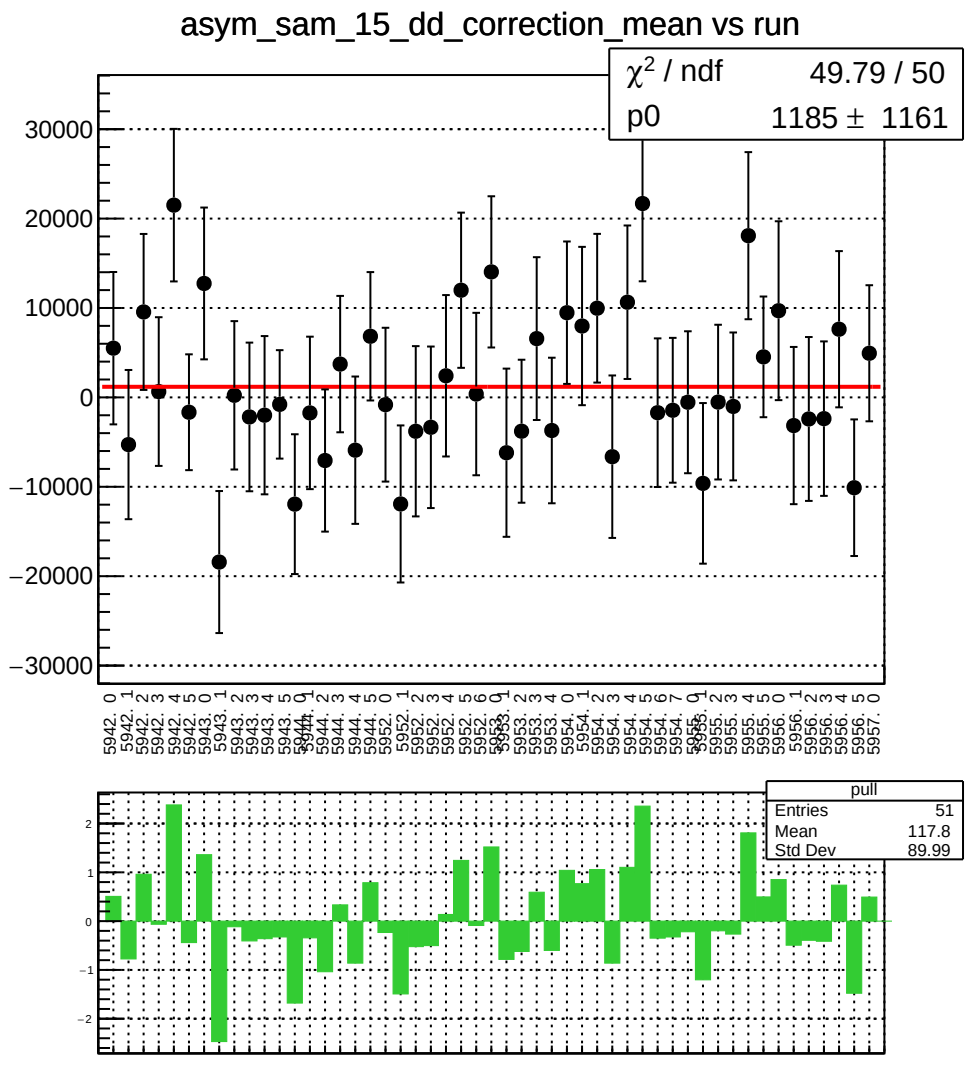

pull1D
Entries 51
Mean −0.002395
Std Dev 1.02

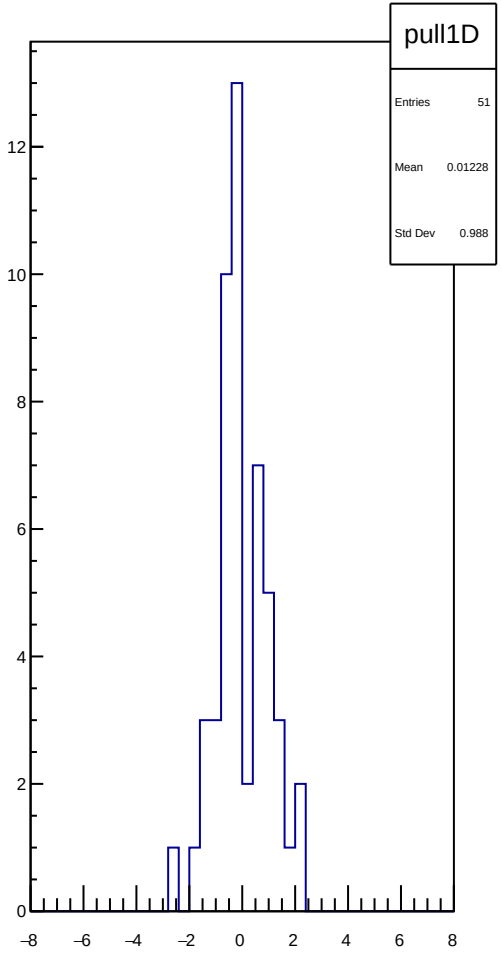

asym_sam_48_avg_rms vs run
χ² / ndf 3146 / 50
p0 1906 ± 1.921
2400
2300
2200
2100
2000
1900
1800
1700
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
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

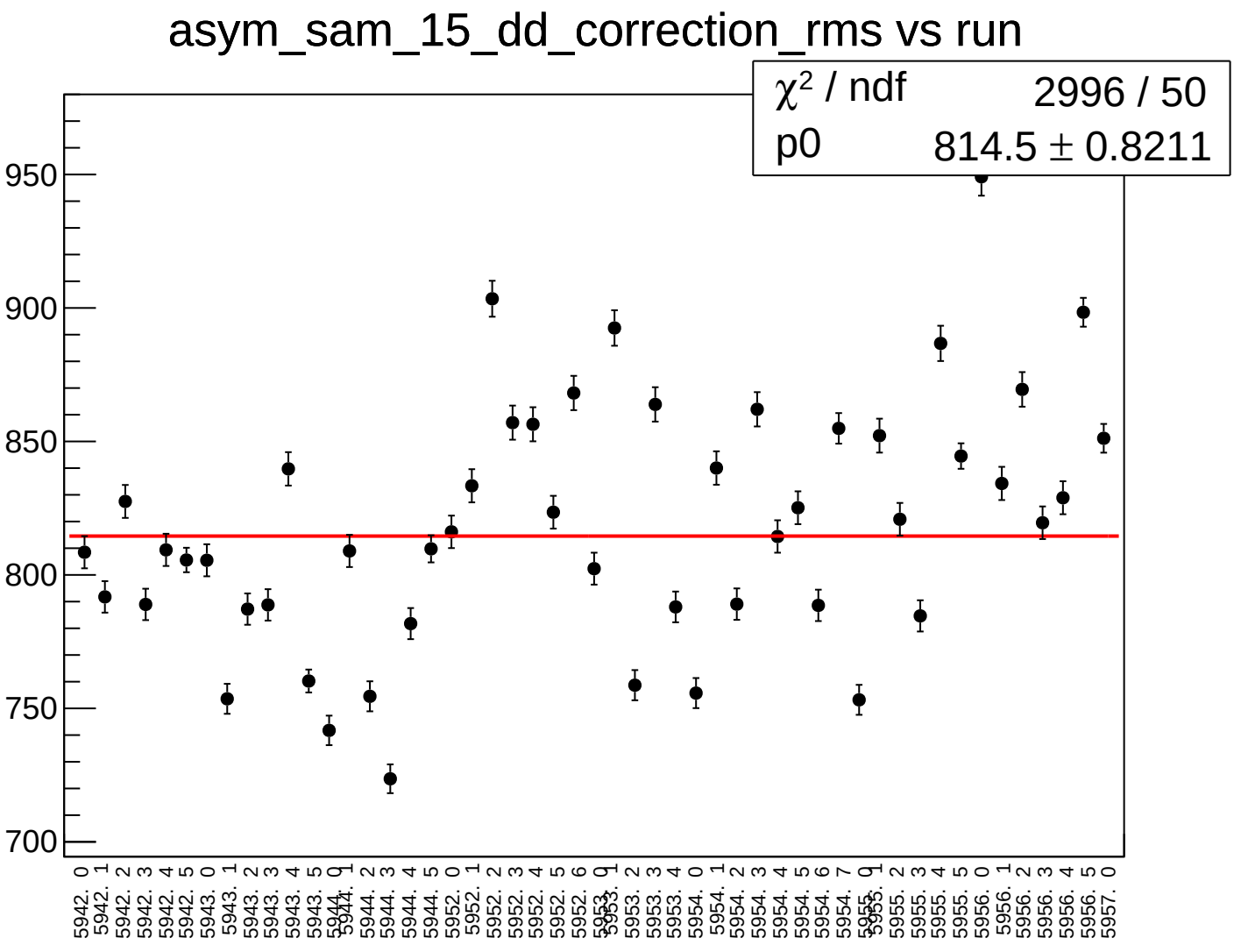

reg_asym_sam_15_dd_mean vs run
χ² / ndf 48.09 / 50
p0 352.3 ± 154.5
pull
Entries 51
Mean 21.26
Std Dev 26.07

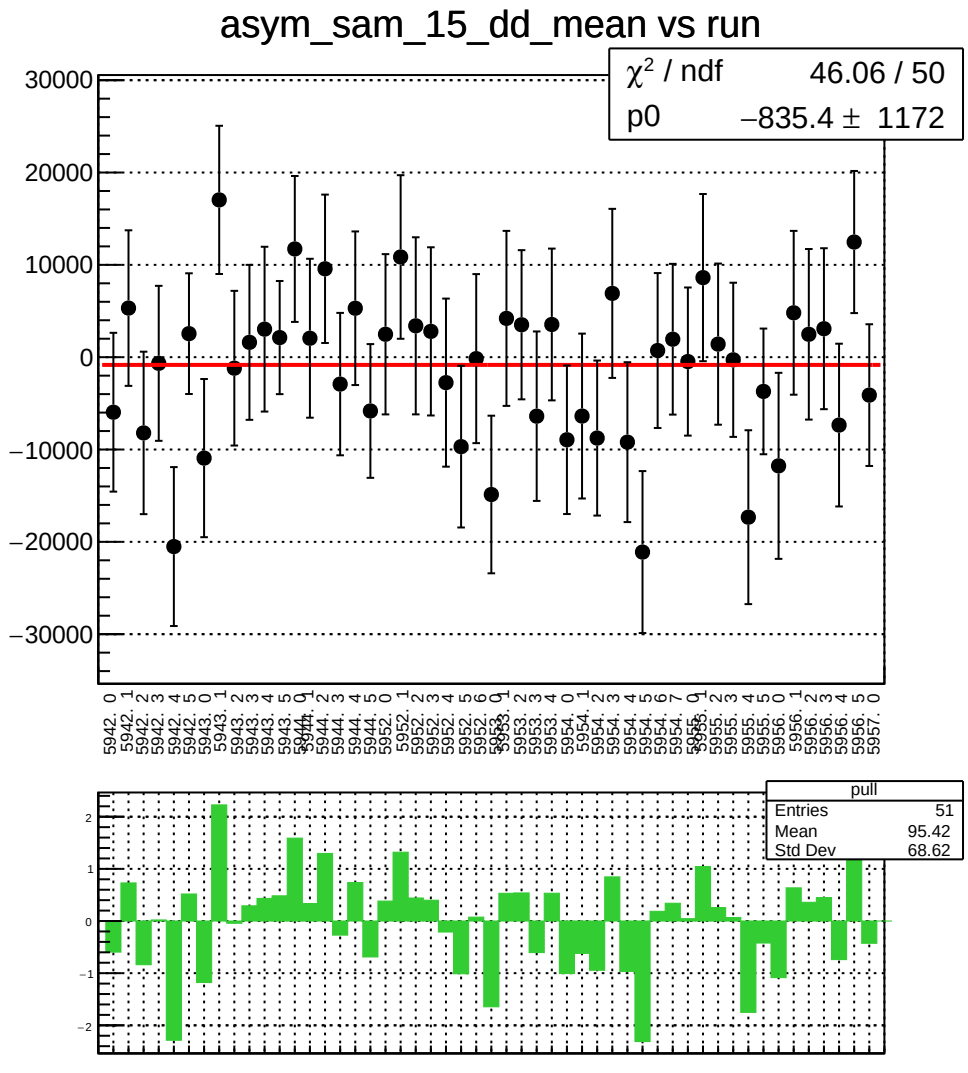

pull1D
Entries 51
Mean −0.03012
Std Dev 0.9706

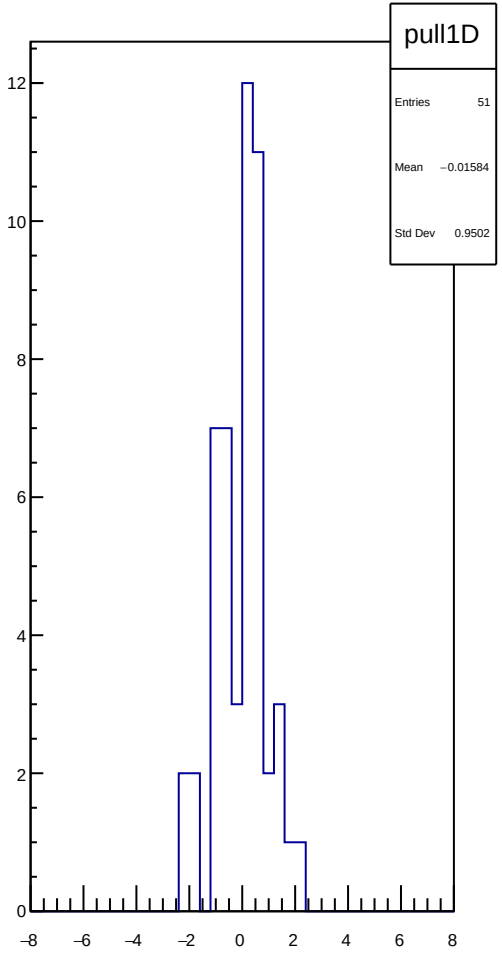

reg_asym_sam_15_dd_rms vs run
χ² / ndf 94.49 / 50
p0 108.6 ± 0.1093
113
112
111
110
109
108
107
106
105
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 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

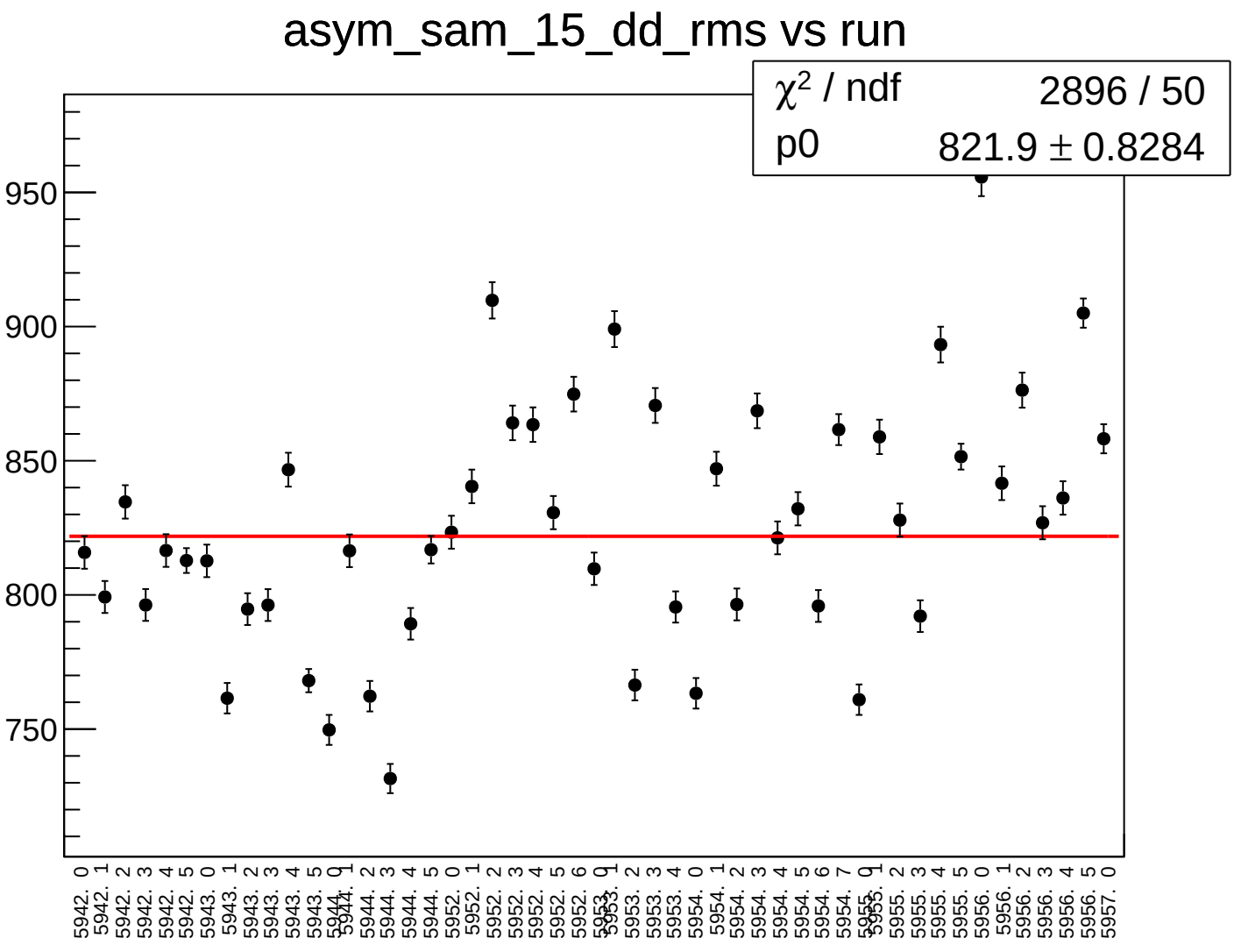

asym_sam_15_dd_correction_mean vs run
χ² / ndf 49.79 / 50
p0 1185 ± 1161
pull
Entries 51
Mean 117.8
Std Dev 89.99

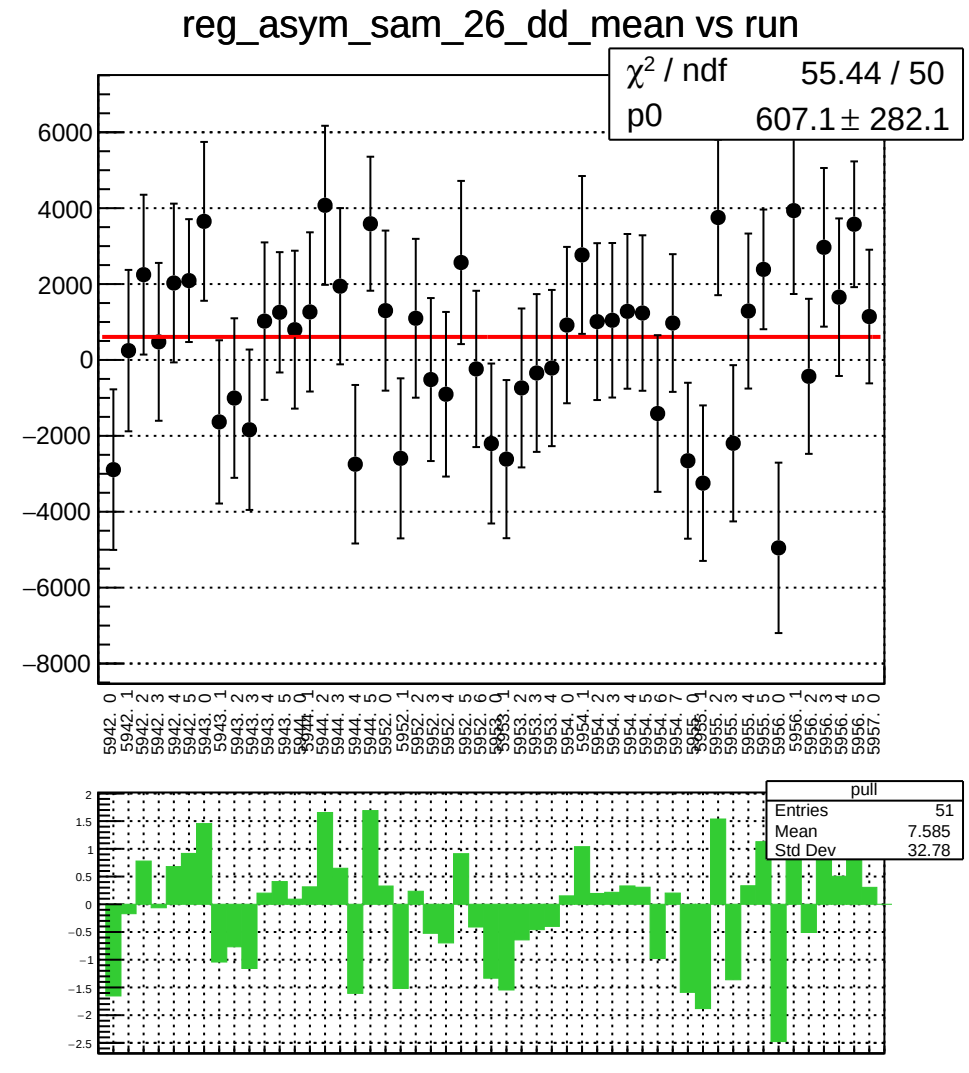

pull1D
Entries 51
Mean 0.01228
Std Dev 0.988

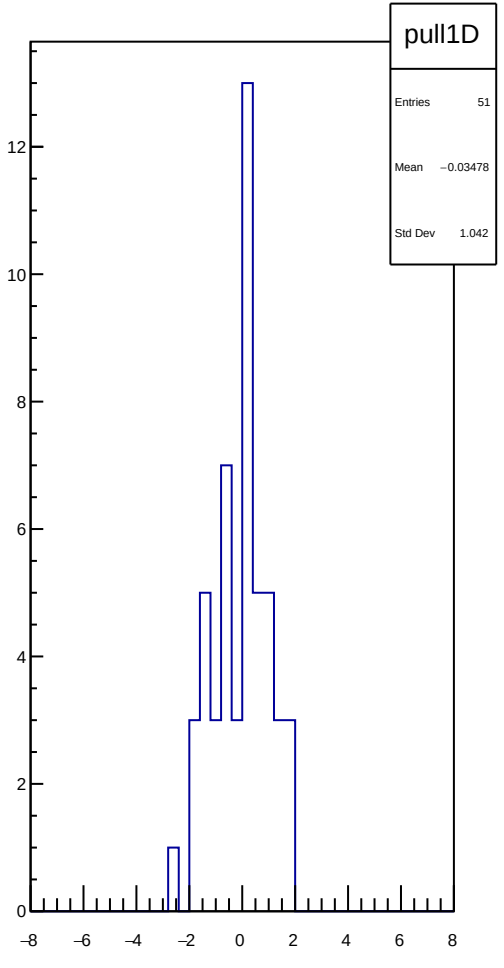

asym_sam_15_dd_correction_rms vs run
χ² / ndf 2996 / 50
p0 814.5 ± 0.8211
950
900
850
800
750
700
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 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

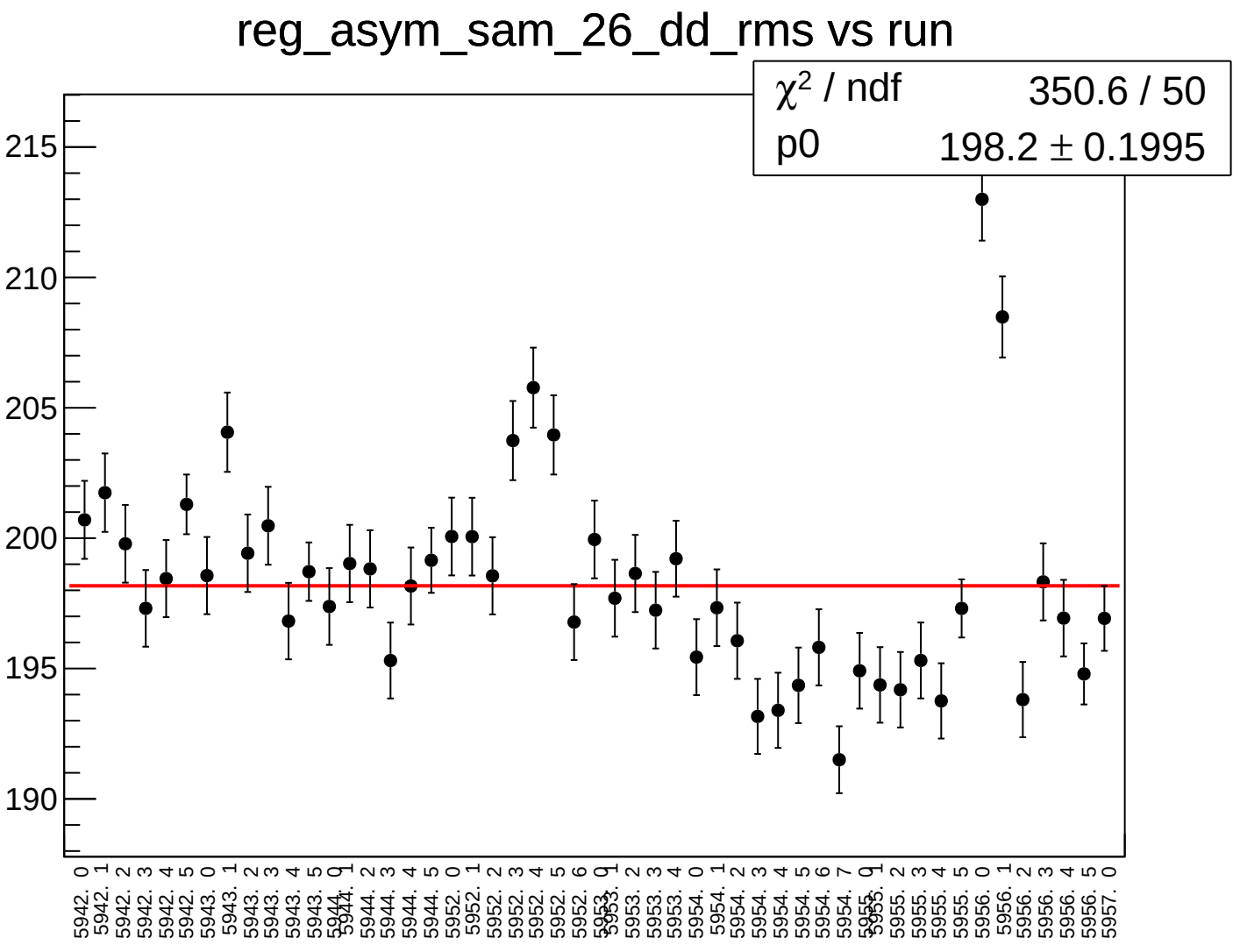

asym_sam_15_dd_mean vs run
χ² / ndf 46.06 / 50
p0 −835.4 ± 1172
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 51
Mean 95.42
Std Dev 68.62
2
1
0
−1
−2

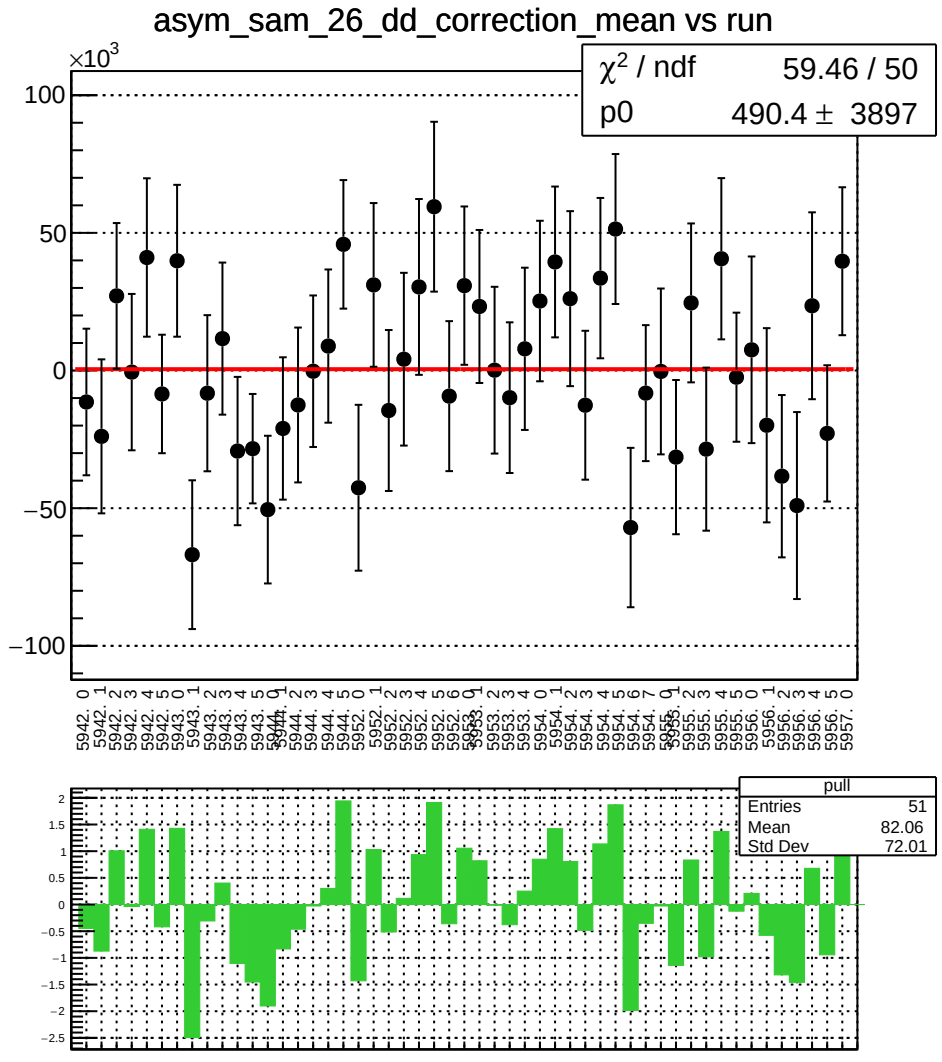

pull1D
Entries 51
Mean −0.01584
Std Dev 0.9502
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

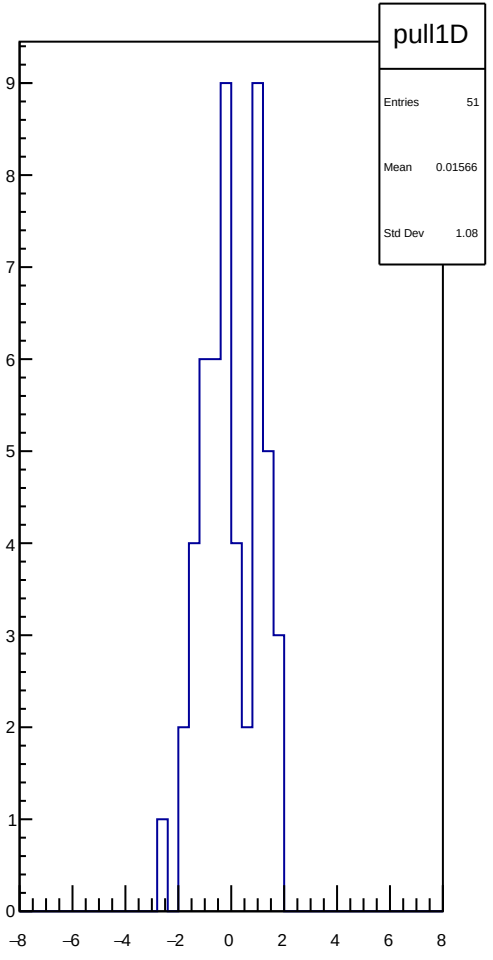

asym_sam_15_dd_rms vs run
χ² / ndf 2896 / 50
p0 821.9 ± 0.8284
950
900
850
800
750
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 1
5953. 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

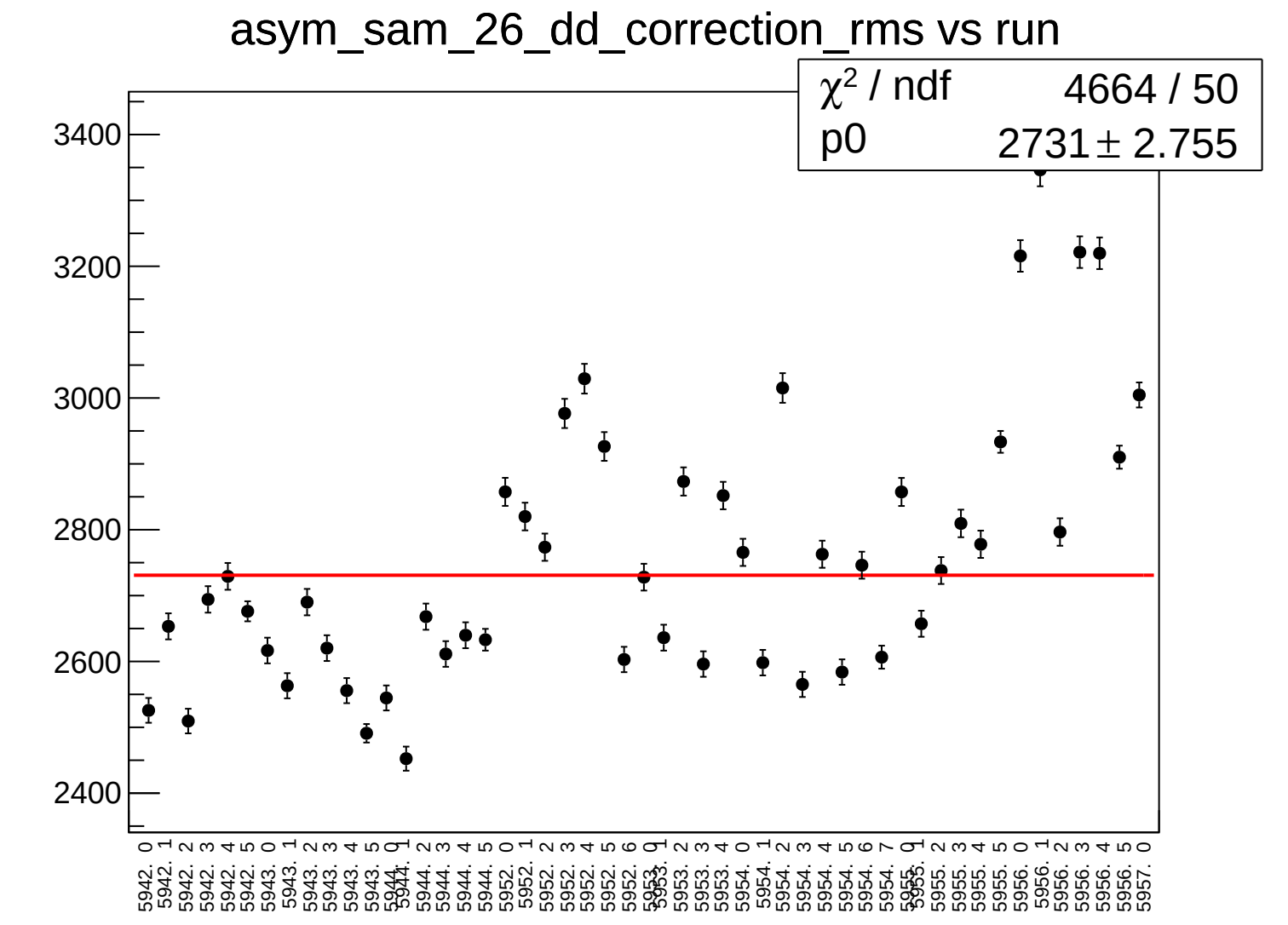

reg_asym_sam_26_dd_mean vs run
χ² / ndf 55.44 / 50
p0 607.1 ± 282.1
pull
Entries 51
Mean 7.585
Std Dev 32.78

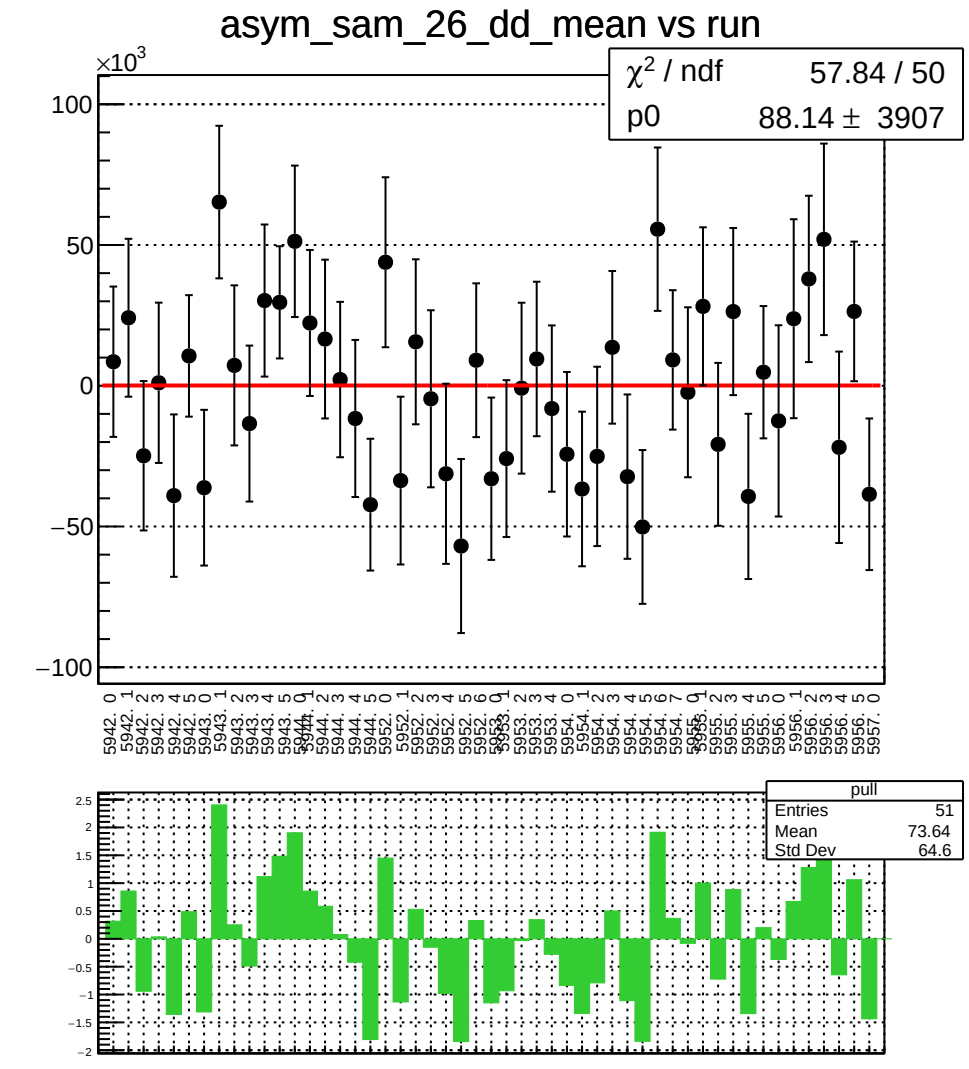

pull1D
Entries 51
Mean −0.03478
Std Dev 1.042

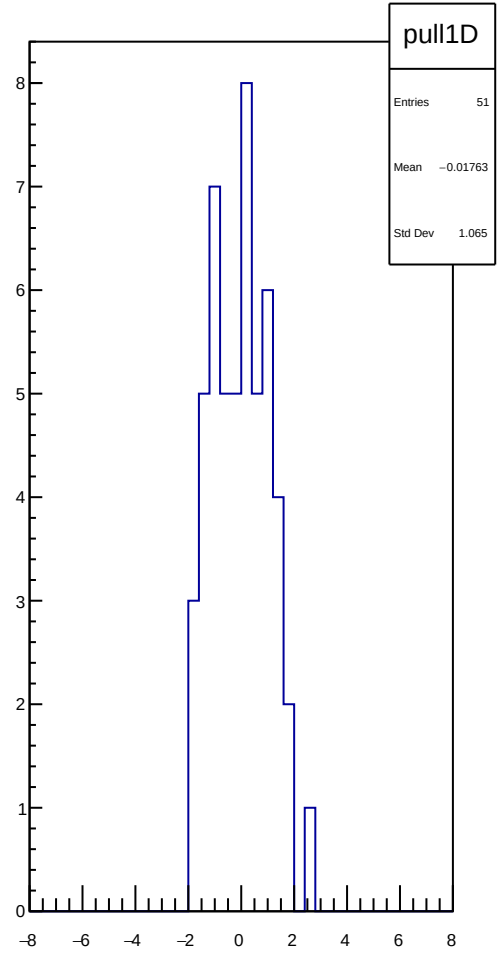

reg_asym_sam_26_dd_rms vs run
χ² / ndf 350.6 / 50
p0 198.2 ± 0.1995
215
210
205
200
195
190
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 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

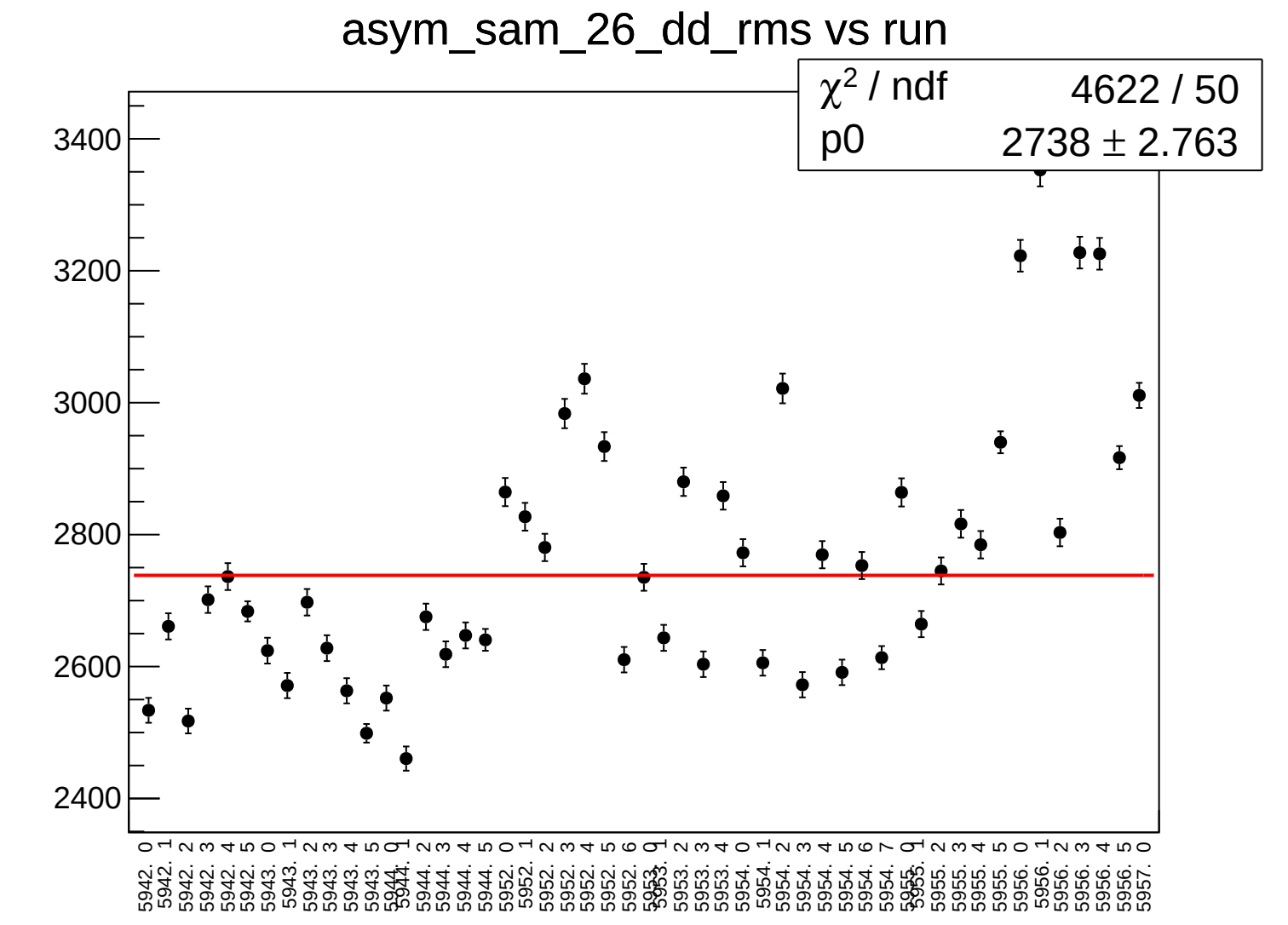

asym_sam_26_dd_correction_mean vs run
×10^3
χ^2 / ndf 59.46 / 50
p0 490.4 ± 3897
100
50
0
−50
−100
pull
Entries 51
Mean 82.06
Std Dev 72.01
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

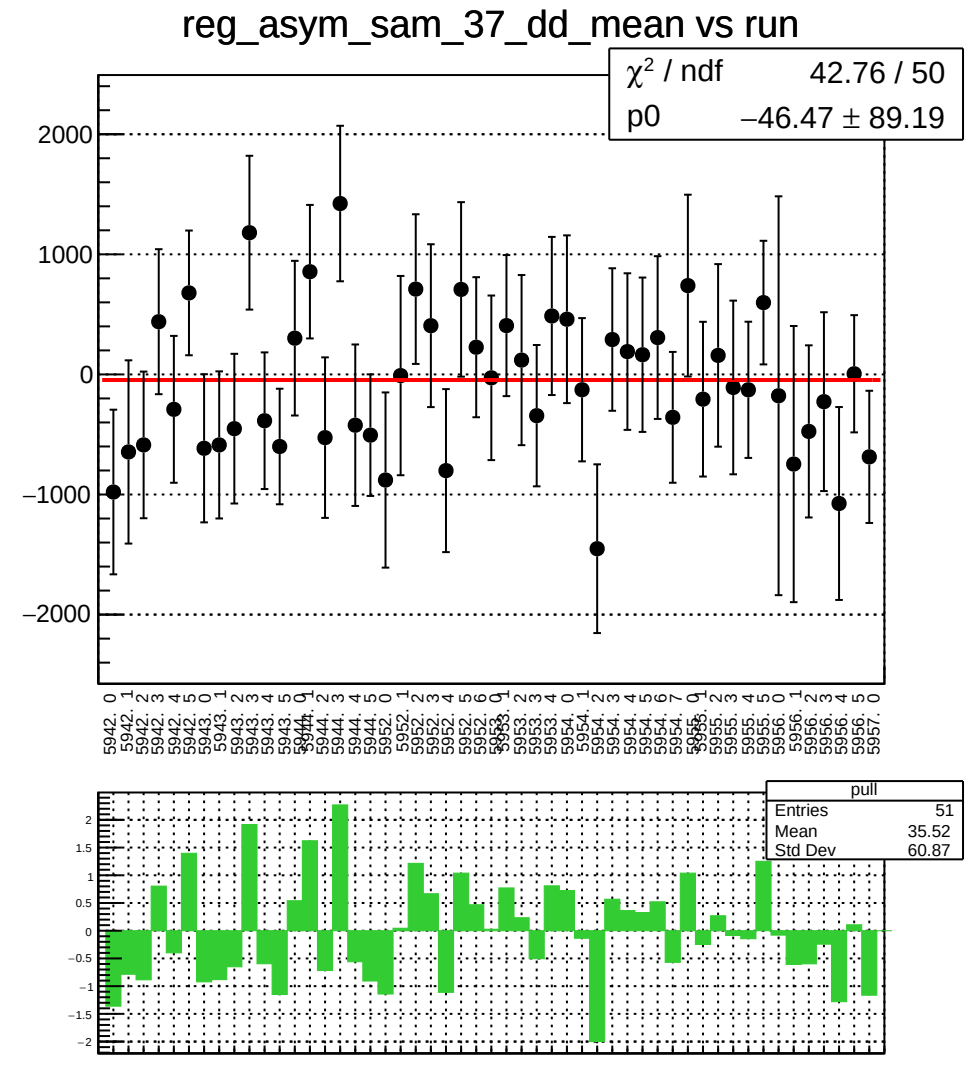

pull1D
Entries 51
Mean 0.01566
Std Dev 1.08
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

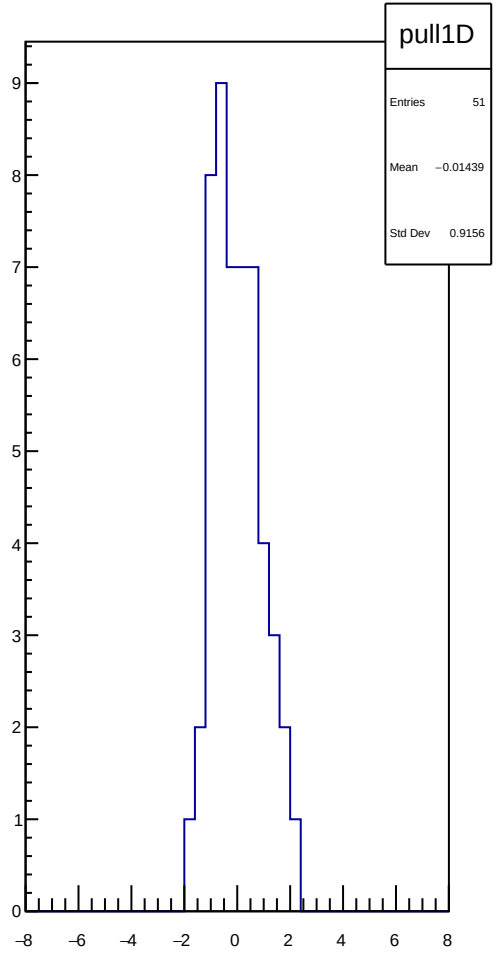

asym_sam_26_dd_correction_rms vs run
χ² / ndf 4664 / 50
p0 2731 ± 2.755
3400
3200
3000
2800
2600
2400
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
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

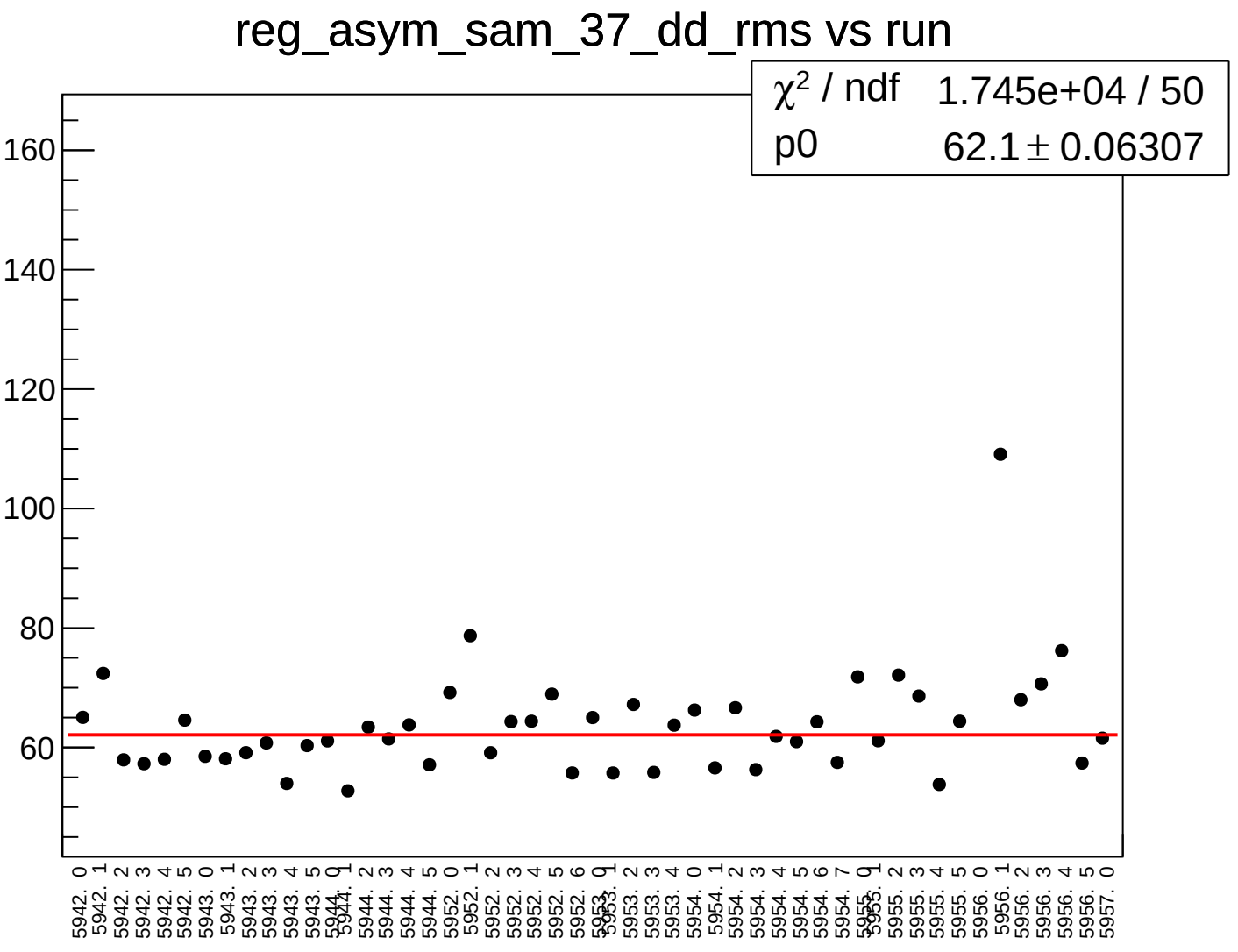

asym_sam_26_dd_mean vs run
×10^3
χ^2 / ndf 57.84 / 50
p0 88.14 ± 3907
pull
Entries 51
Mean 73.64
Std Dev 64.6

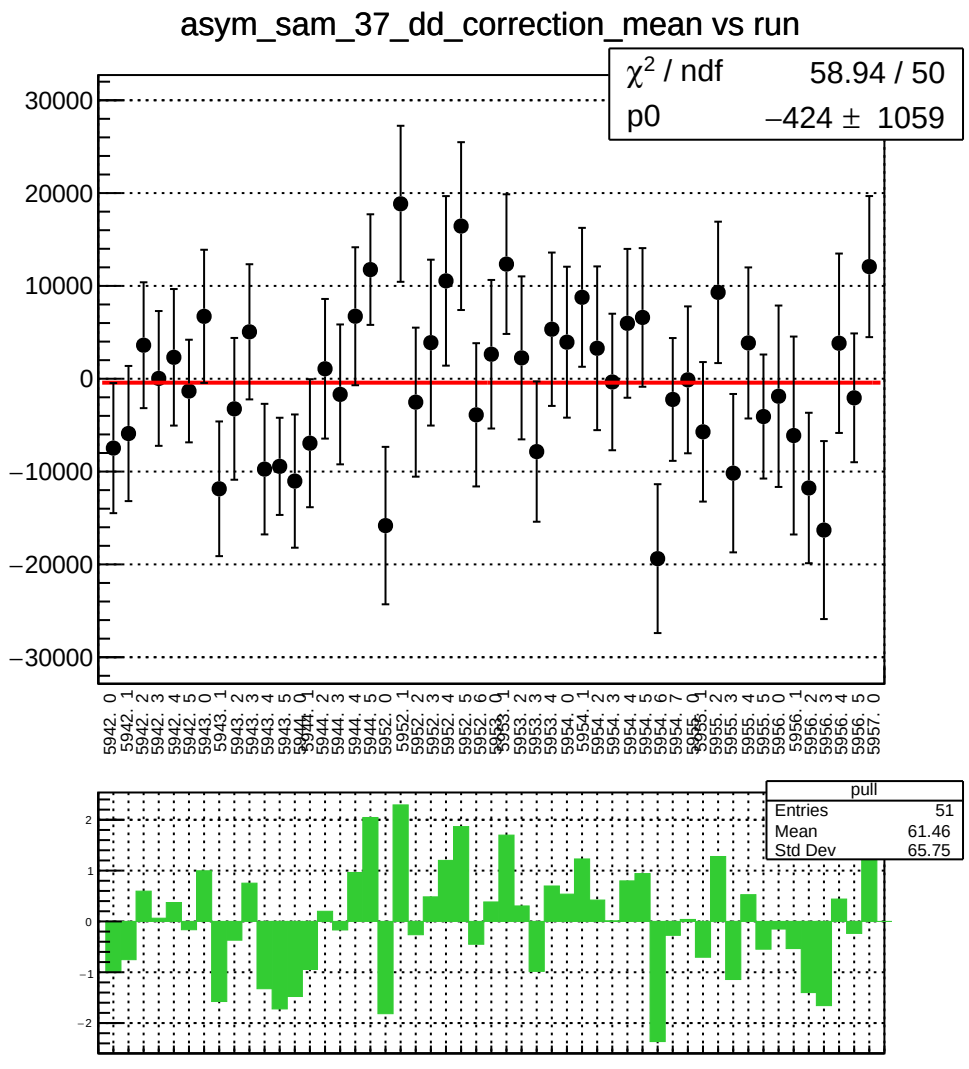

pull1D
Entries 51
Mean −0.01763
Std Dev 1.065

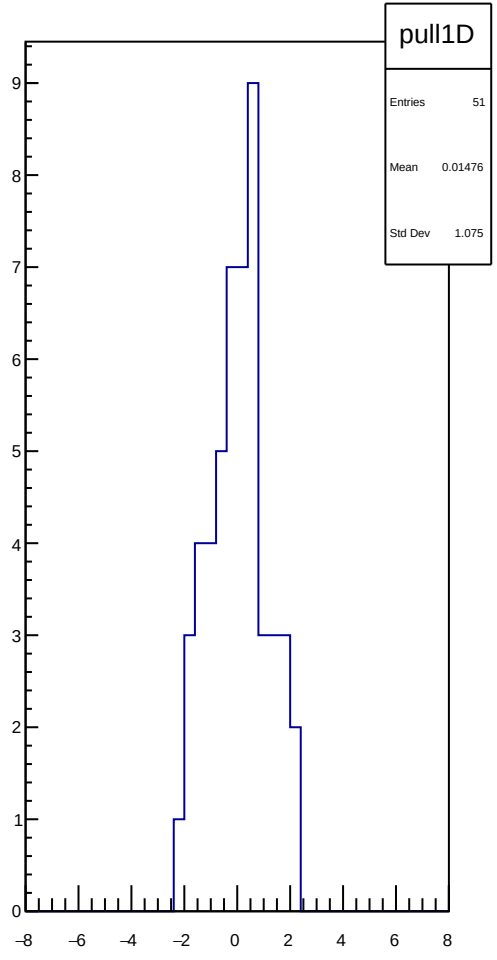

asym_sam_26_dd_rms vs run
χ² / ndf 4622 / 50
p0 2738 ± 2.763
3400
3200
3000
2800
2600
2400
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 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

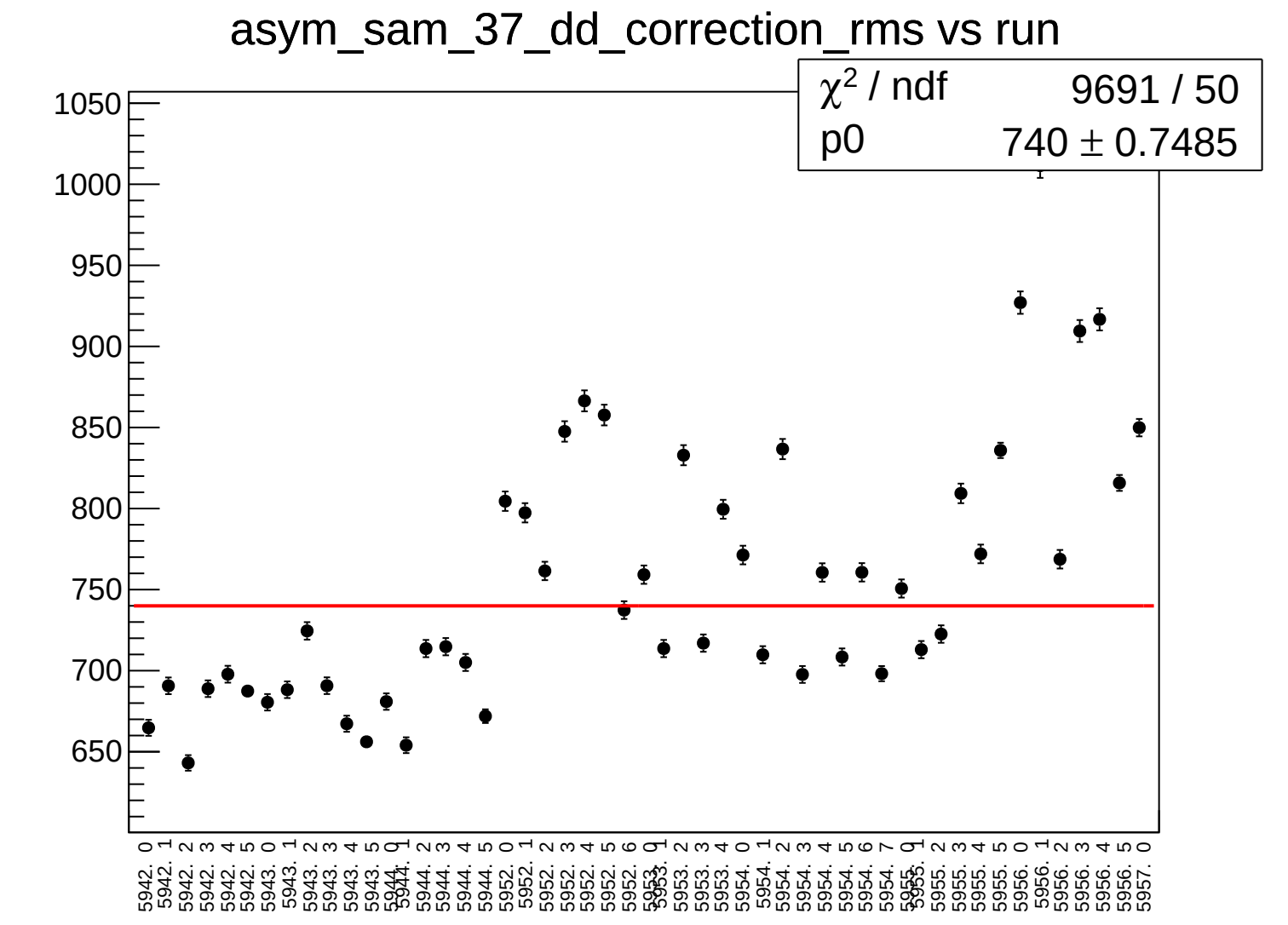

reg_asym_sam_37_dd_mean vs run
χ² / ndf 42.76 / 50
p0 −46.47 ± 89.19
pull
Entries 51
Mean 35.52
Std Dev 60.87

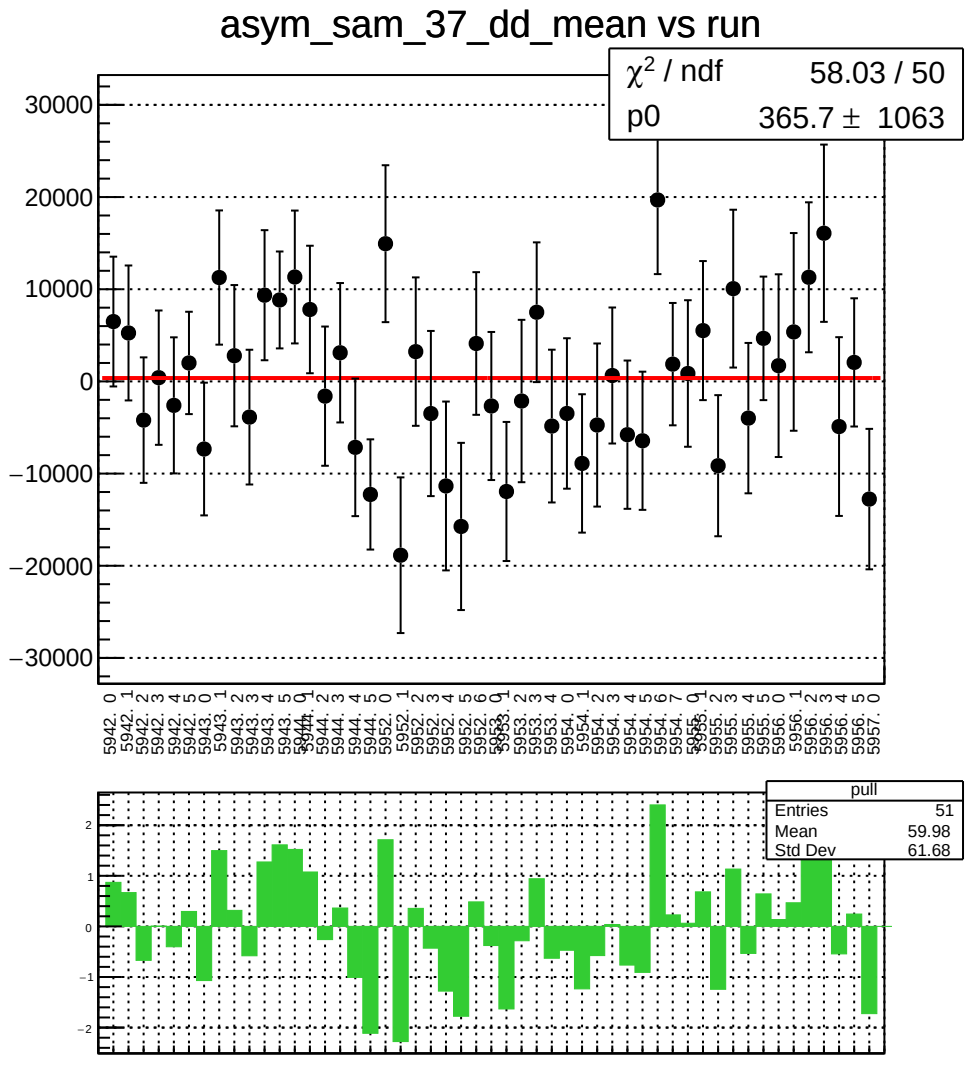

pull1D
Entries 51
Mean −0.01439
Std Dev 0.9156

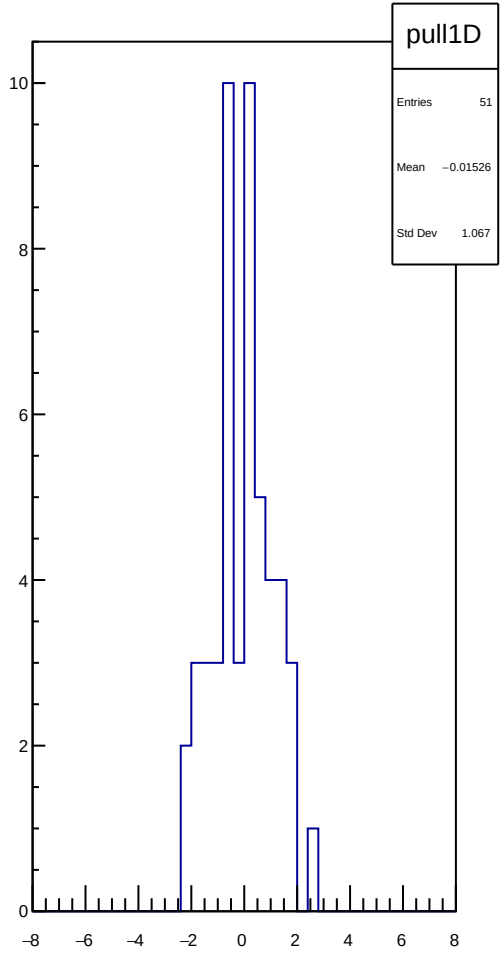

reg_asym_sam_37_dd_rms vs run
χ² / ndf 1.745e+04 / 50
p0 62.1 ± 0.06307
160
140
120
100
80
60
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
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

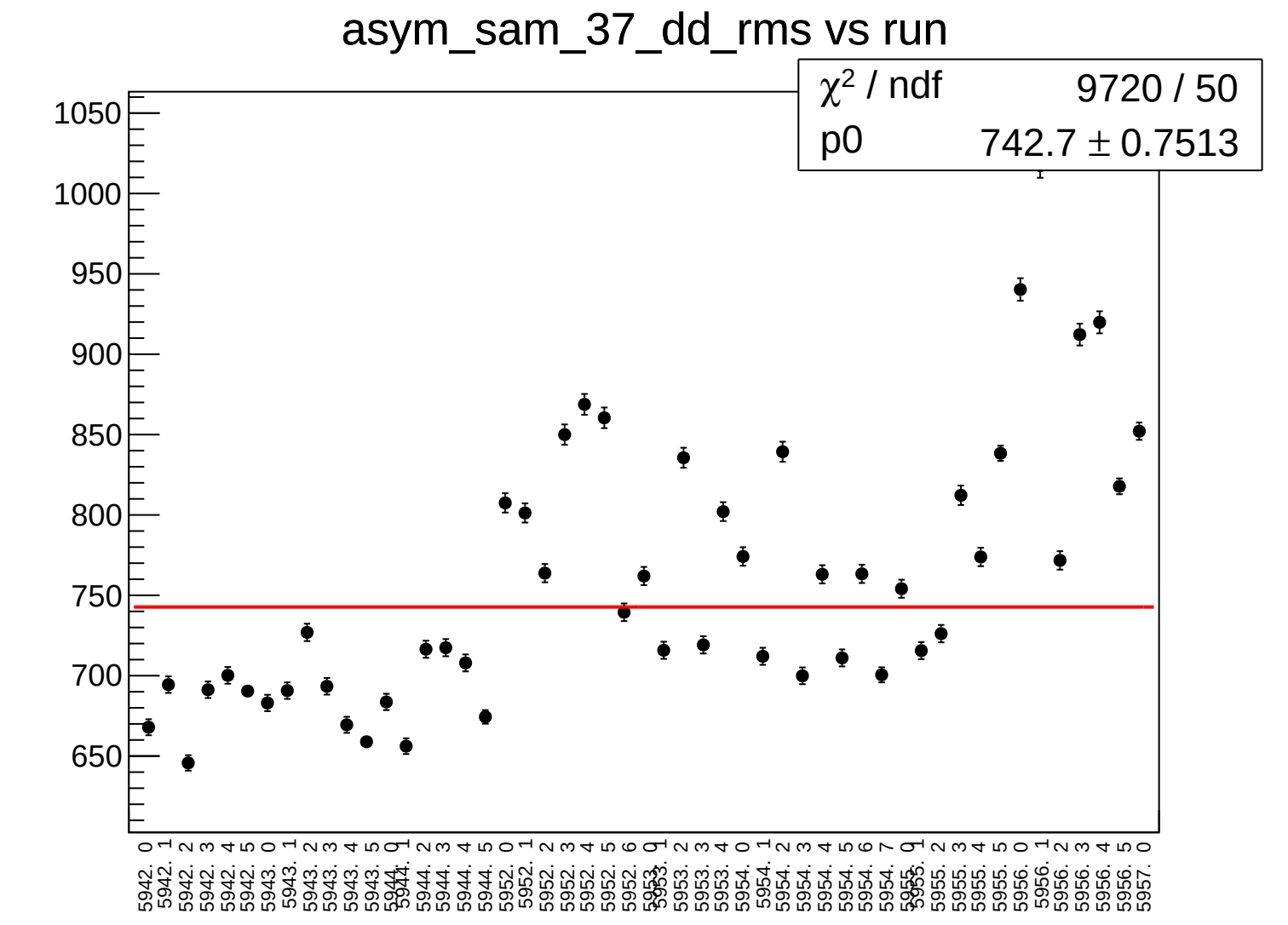

asym_sam_37_dd_correction_mean vs run
χ² / ndf 58.94 / 50
p0 −424 ± 1059
30000
20000
10000
0
−10000
−20000
−30000
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5952. 9
5953. 1
5953. 2
5953. 3
5953. 4
5953. 5
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
5956. 6
5957. 0
pull
Entries 51
Mean 61.46
Std Dev 65.75
2
1
0
−1
−2

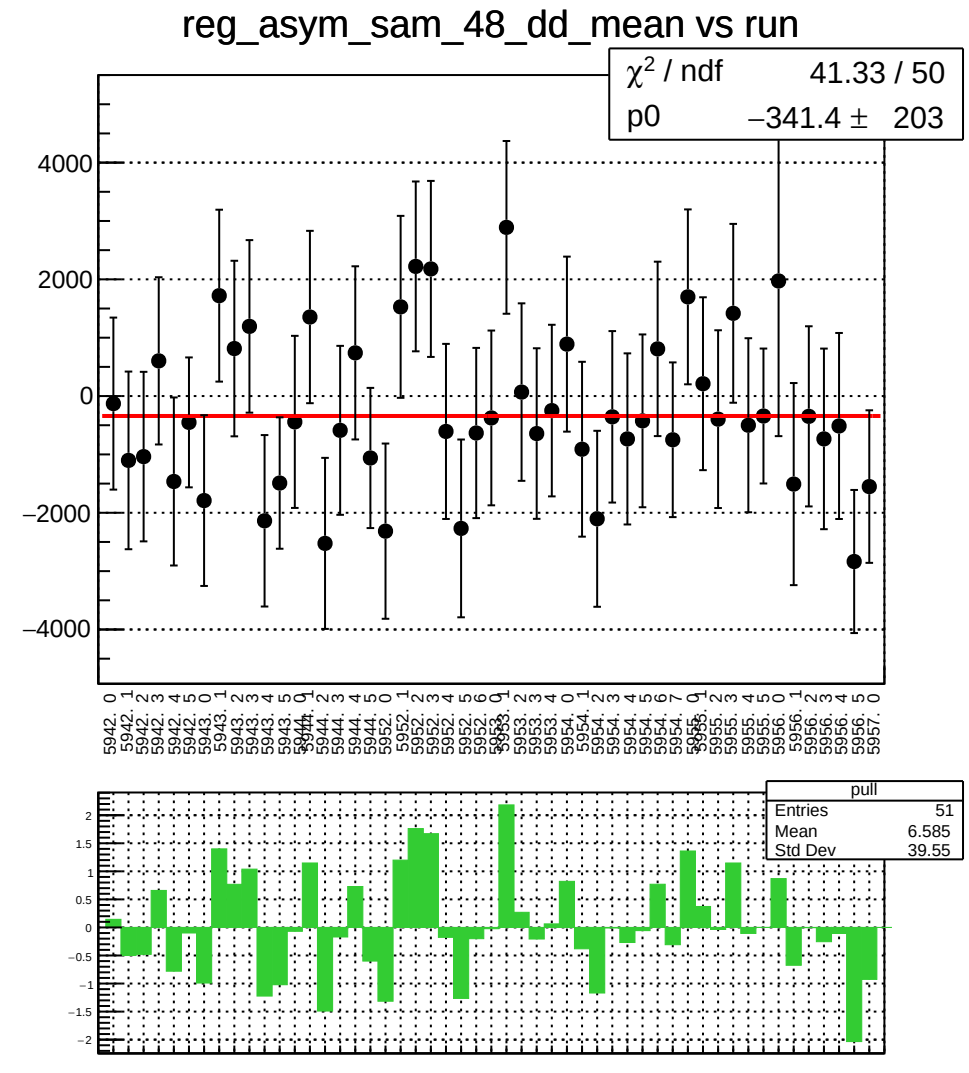

pull1D
Entries 51
Mean 0.01476
Std Dev 1.075
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

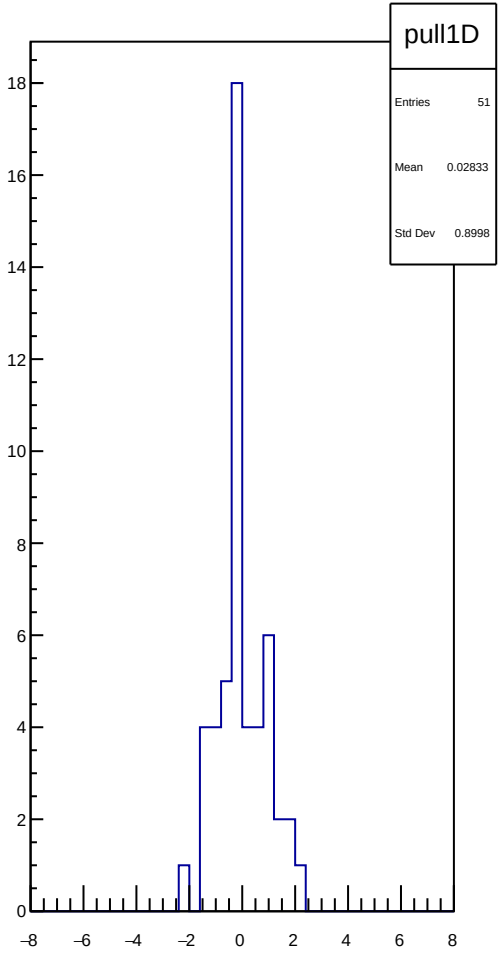

asym_sam_37_dd_correction_rms vs run
χ² / ndf 9691 / 50
p0 740 ± 0.7485
1050
1000
950
900
850
800
750
700
650
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
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

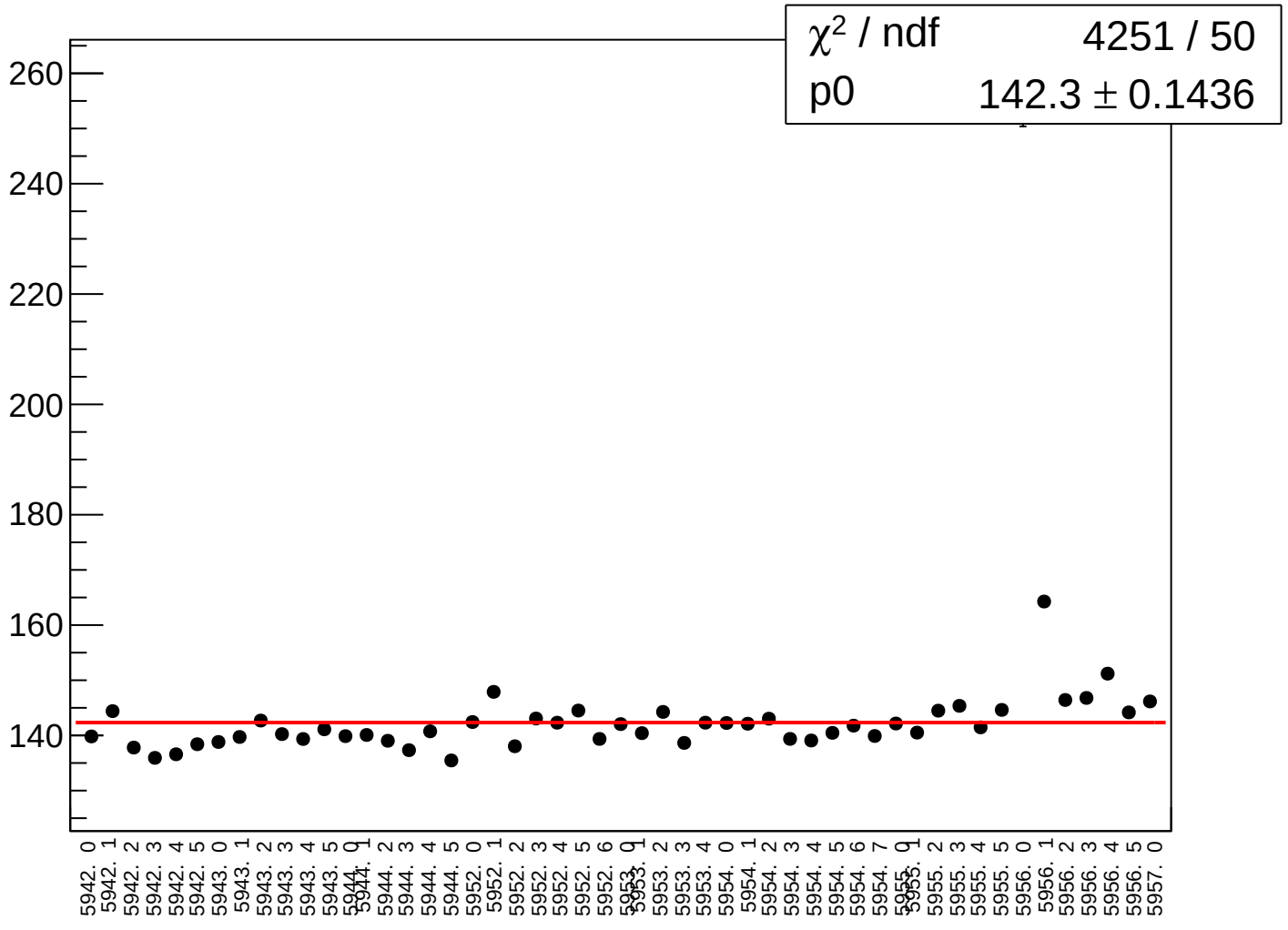

asym_sam_37_dd_mean vs run
χ² / ndf 58.03 / 50
p0 365.7 ± 1063
pull
Entries 51
Mean 59.98
Std Dev 61.68

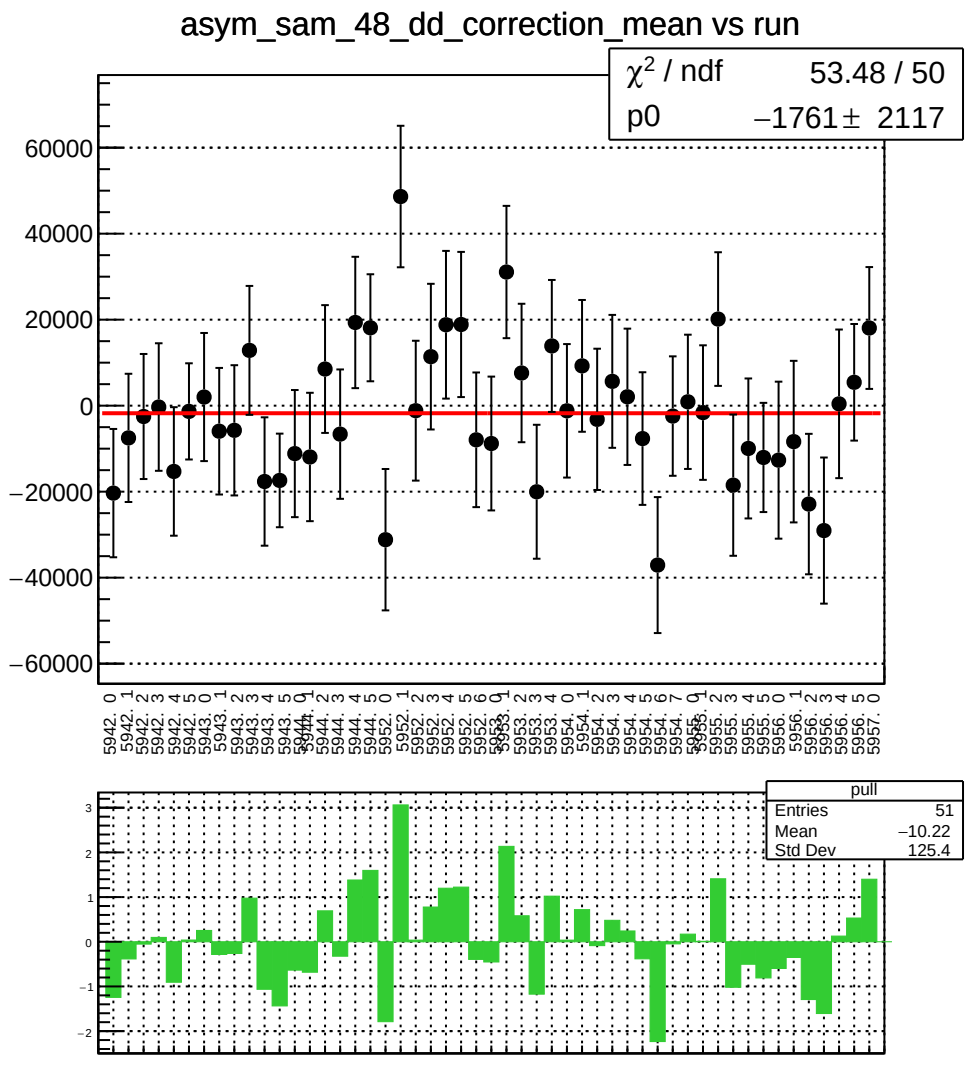

pull1D
Entries 51
Mean −0.01526
Std Dev 1.067

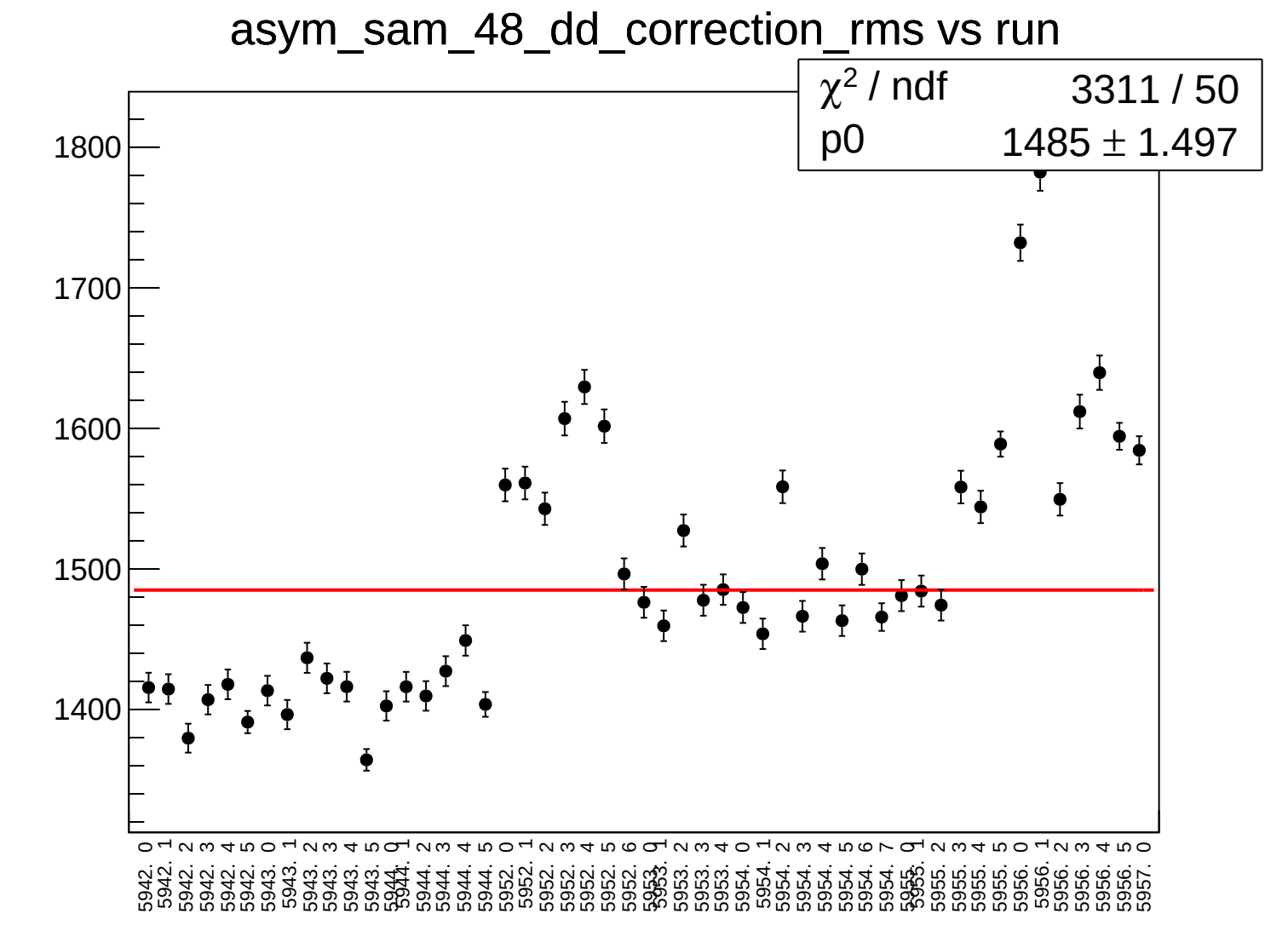

asym_sam_37_dd_rms vs run
χ² / ndf 9720 / 50
p0 742.7 ± 0.7513
1050
1000
950
900
850
800
750
700
650
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
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

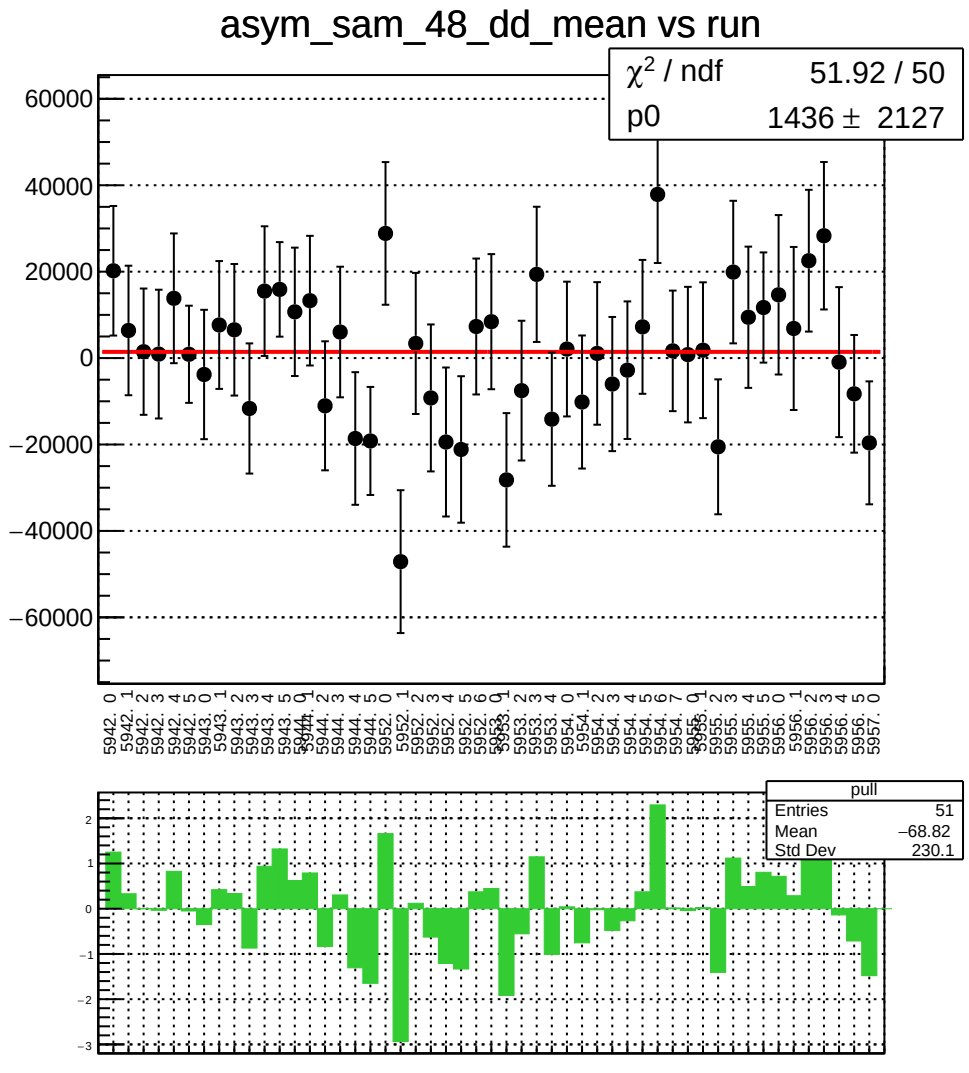

reg_asym_sam_48_dd_mean vs run
χ² / ndf 41.33 / 50
p0 −341.4 ± 203
4000
2000
0
−2000
−4000
pull
Entries 51
Mean 6.585
Std Dev 39.55

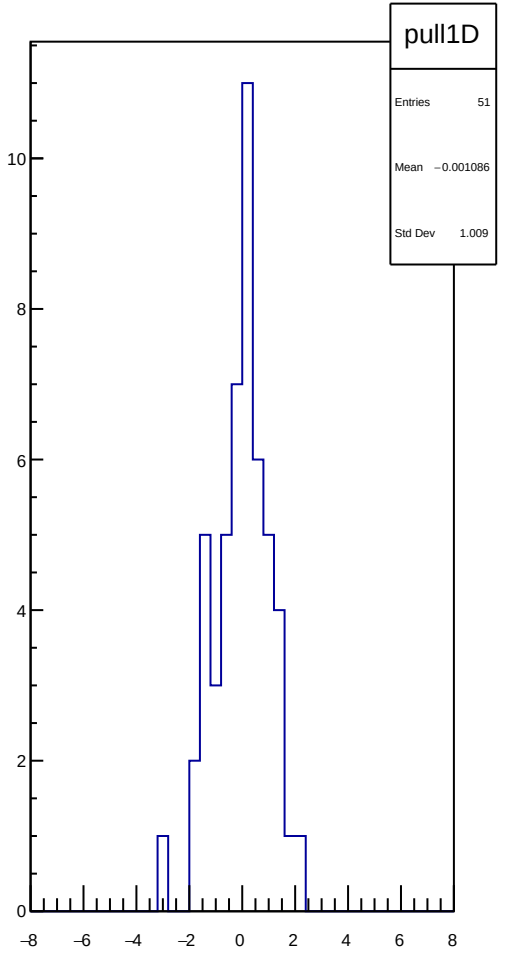

pull1D
Entries 51
Mean 0.02833
Std Dev 0.8998

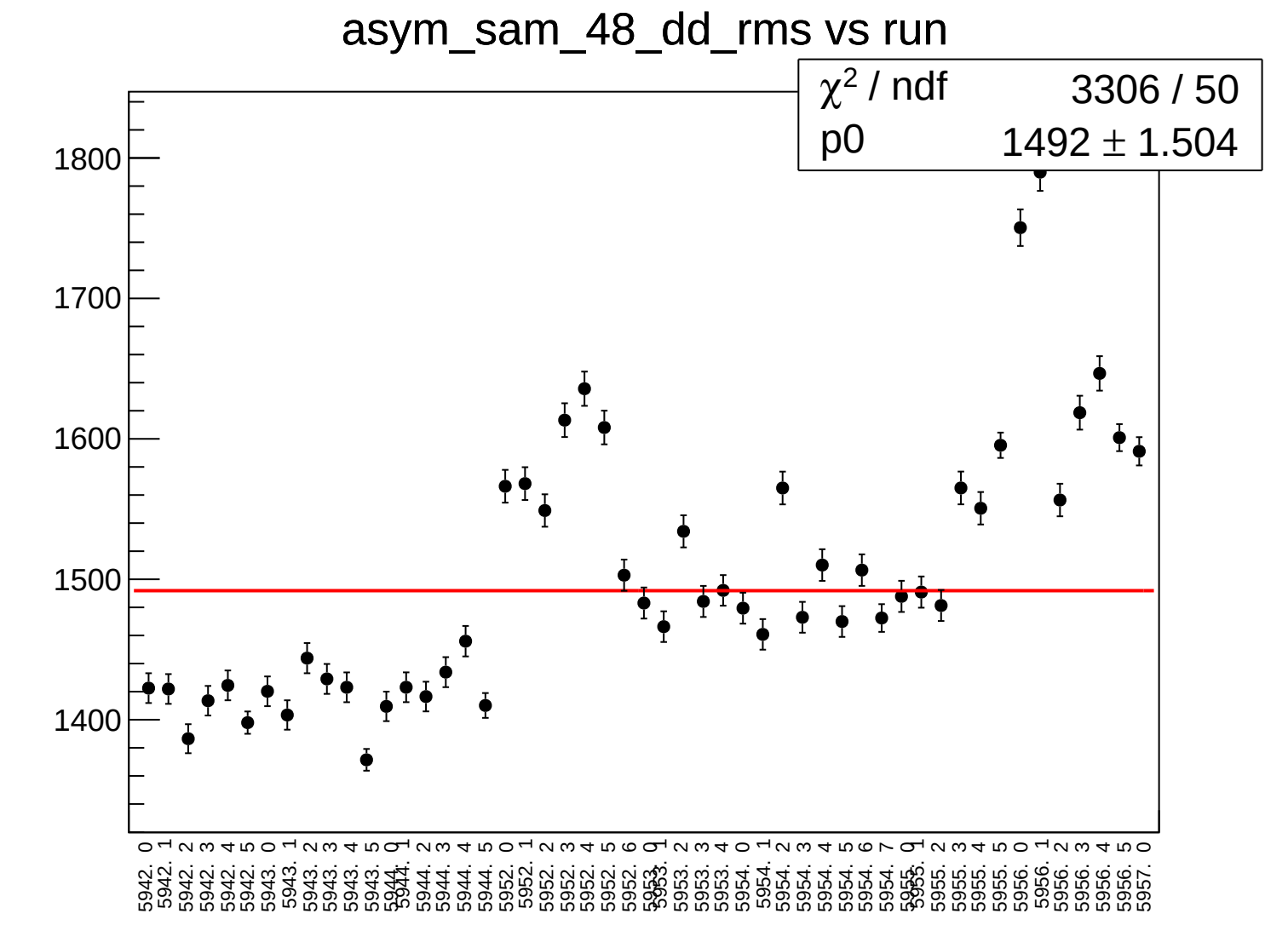

reg_asym_sam_48_dd_rms vs run
χ² / ndf 4251 / 50
p0 142.3 ± 0.1436
260
240
220
200
180
160
140
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 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

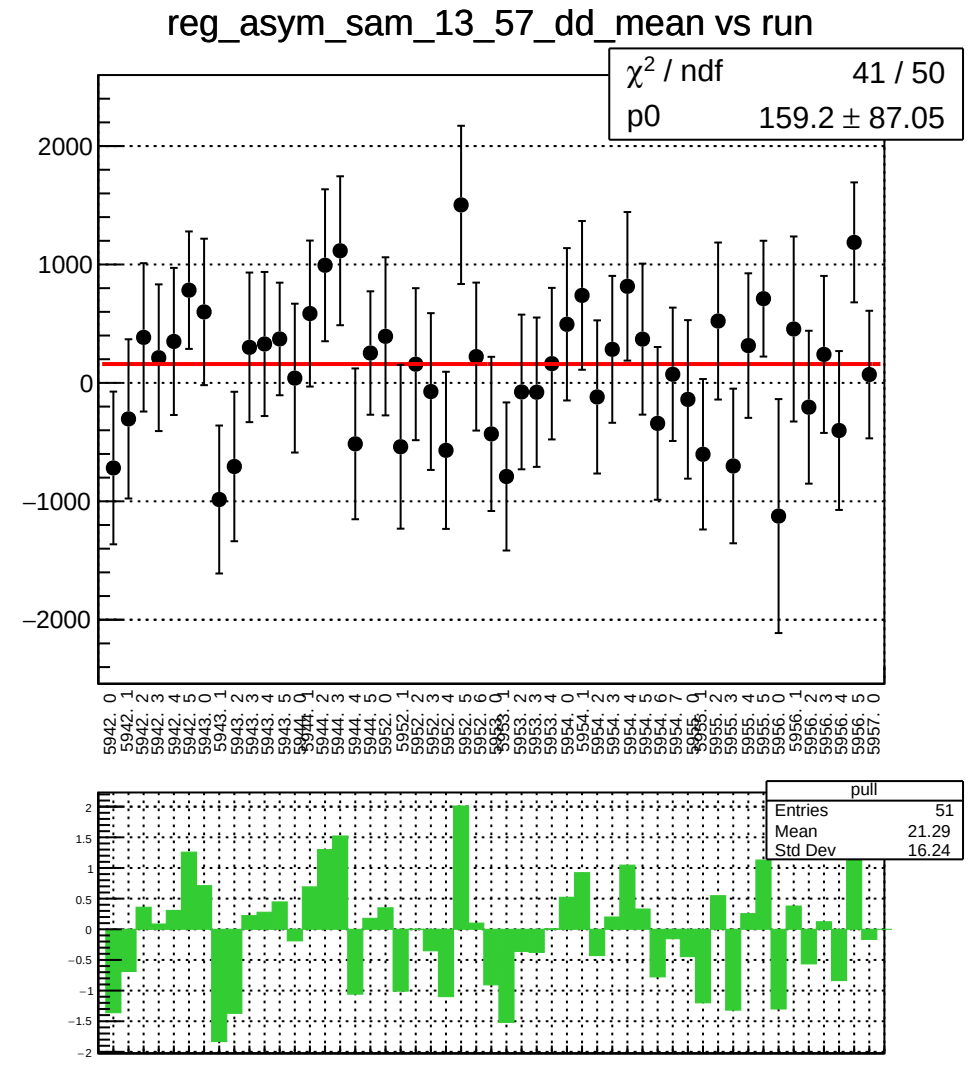

asym_sam_48_dd_correction_mean vs run
χ² / ndf 53.48 / 50
p0 −1761 ± 2117
60000
40000
20000
0
−20000
−40000
−60000
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5952. 9
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
5956. 0
5957. 0
pull
Entries 51
Mean −10.22
Std Dev 125.4
3
2
1
0
−1
−2
pull1D
Entries 51
Mean 0.003544
Std Dev 1.024
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

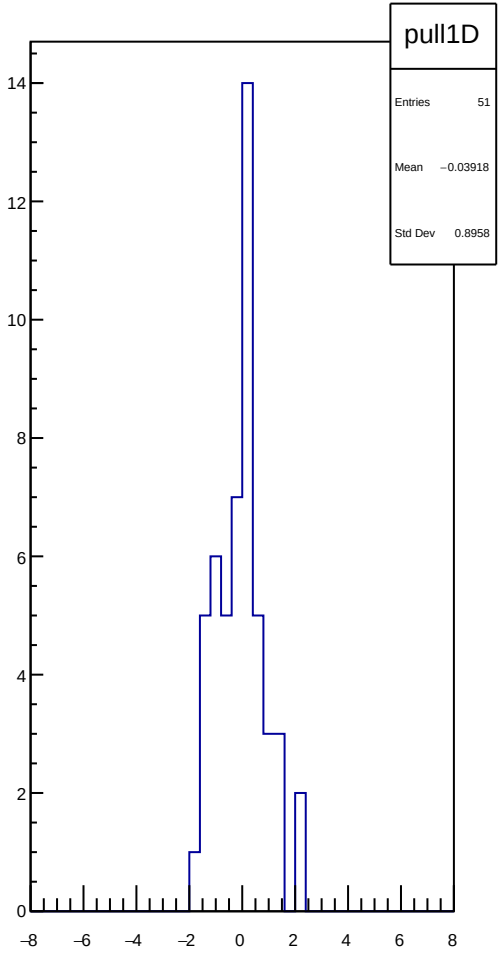

asym_sam_48_dd_correction_rms vs run
χ² / ndf 3311 / 50
p0 1485 ± 1.497
1800
1700
1600
1500
1400
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 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

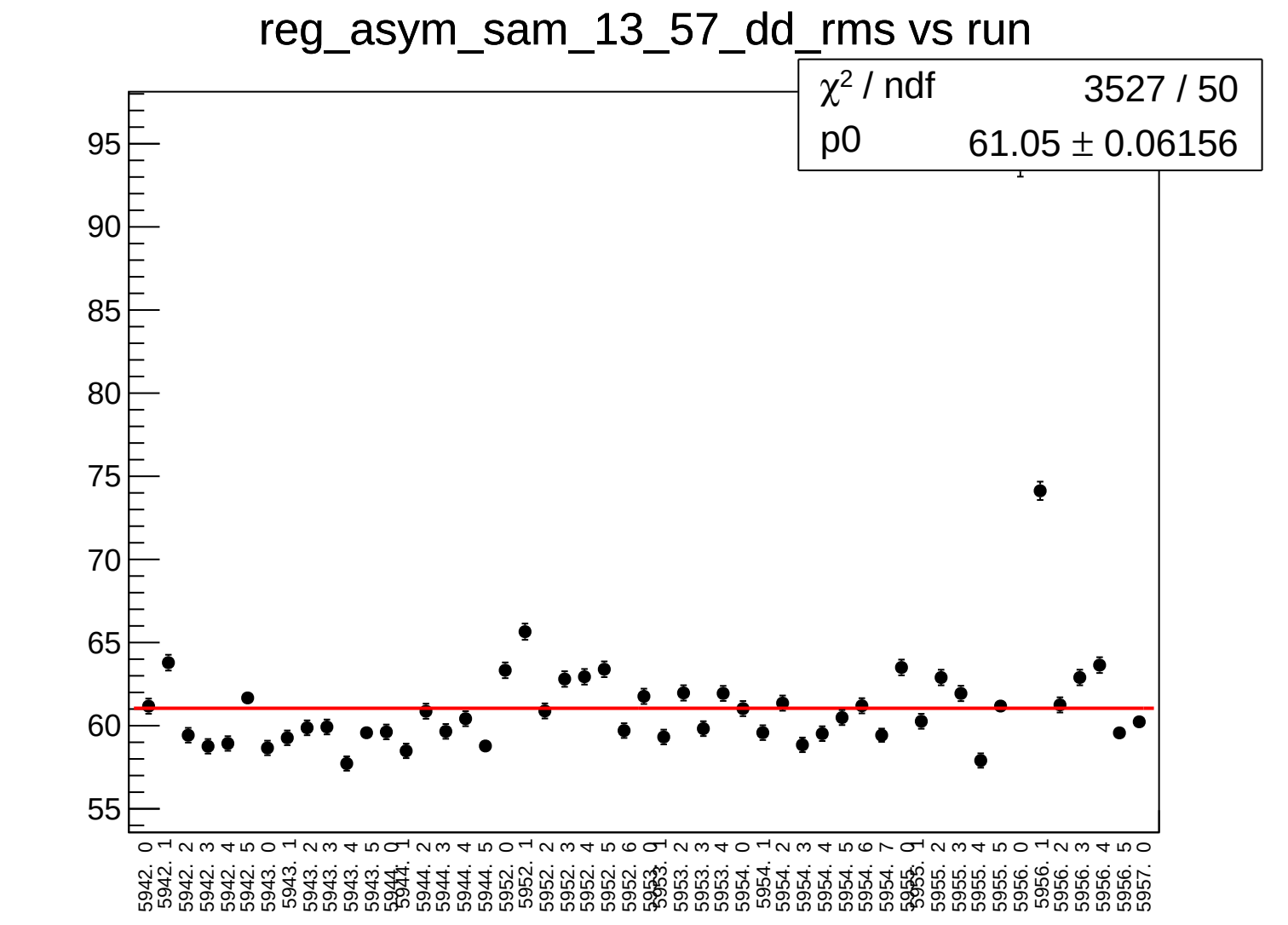

asym_sam_48_dd_mean vs run
χ² / ndf 51.92 / 50
p0 1436 ± 2127
pull
Entries 51
Mean −68.82
Std Dev 230.1

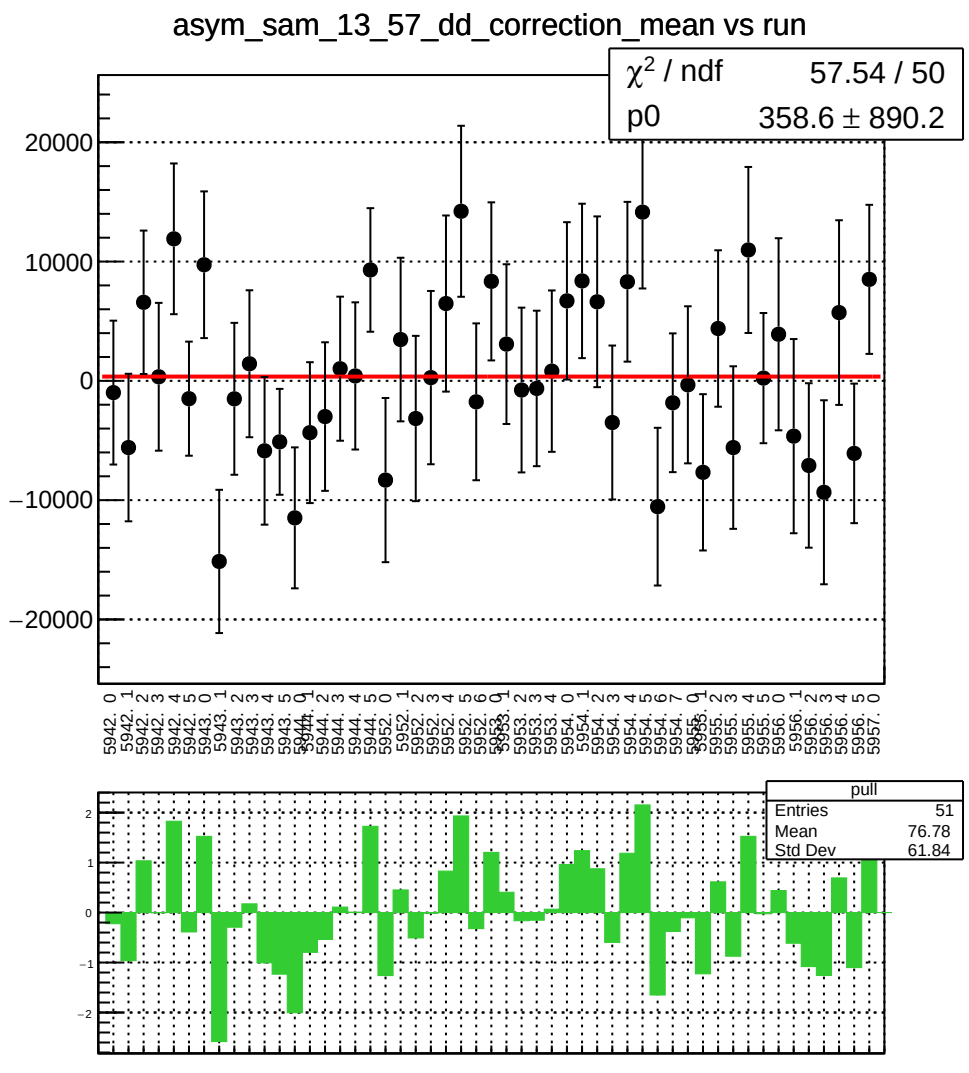

pull1D
Entries 51
Mean −0.001086
Std Dev 1.009

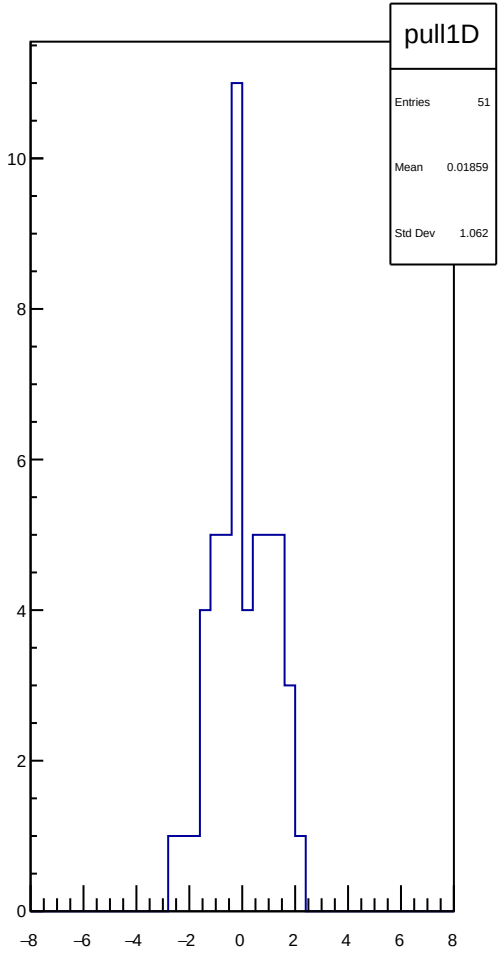

asym_sam_48_dd_rms vs run
χ² / ndf 3306 / 50
p0 1492 ± 1.504
1800
1700
1600
1500
1400
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 1
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

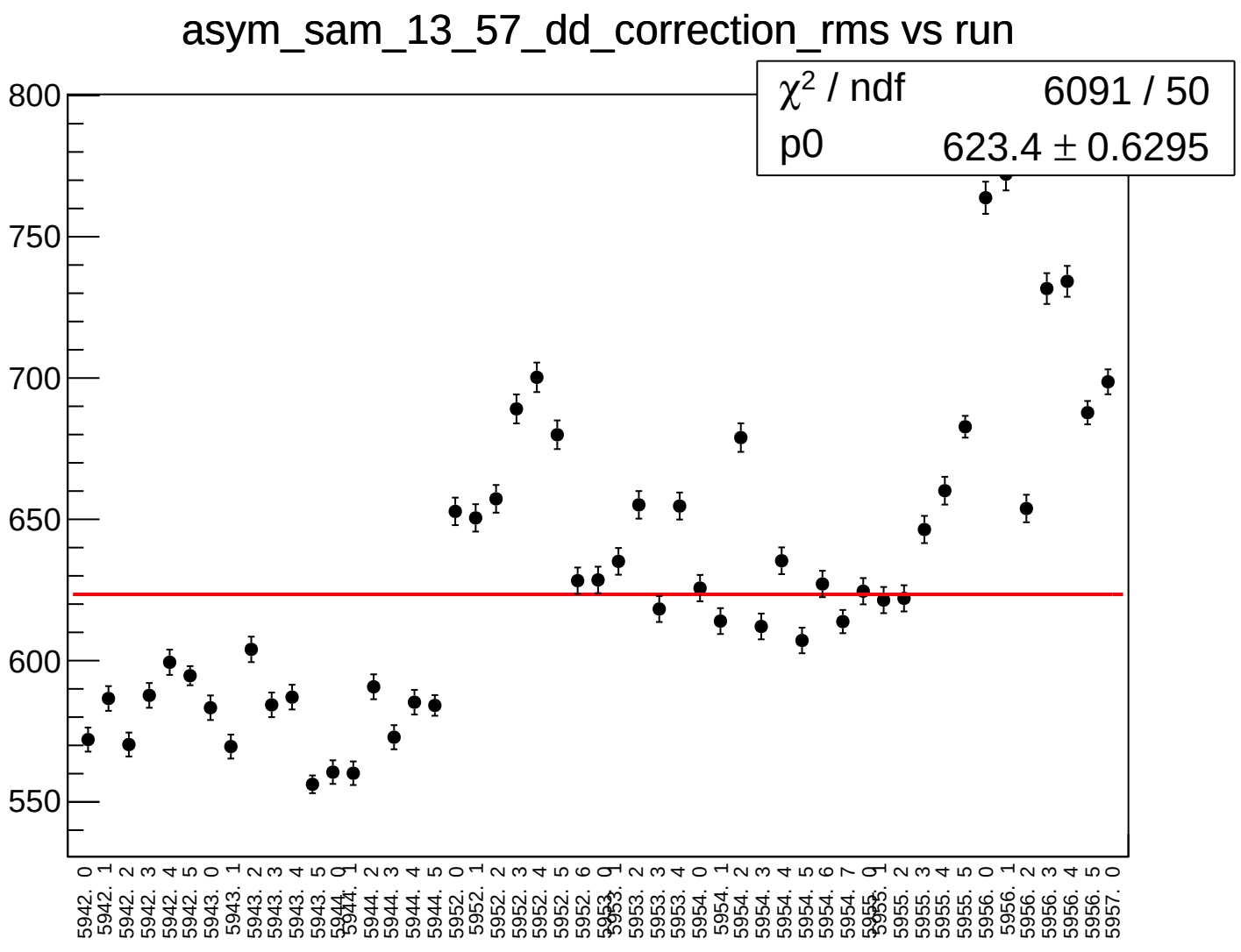

reg_asym_sam_13_57_dd_mean vs run
χ² / ndf 41 / 50
p0 159.2 ± 87.05
pull
Entries 51
Mean 21.29
Std Dev 16.24

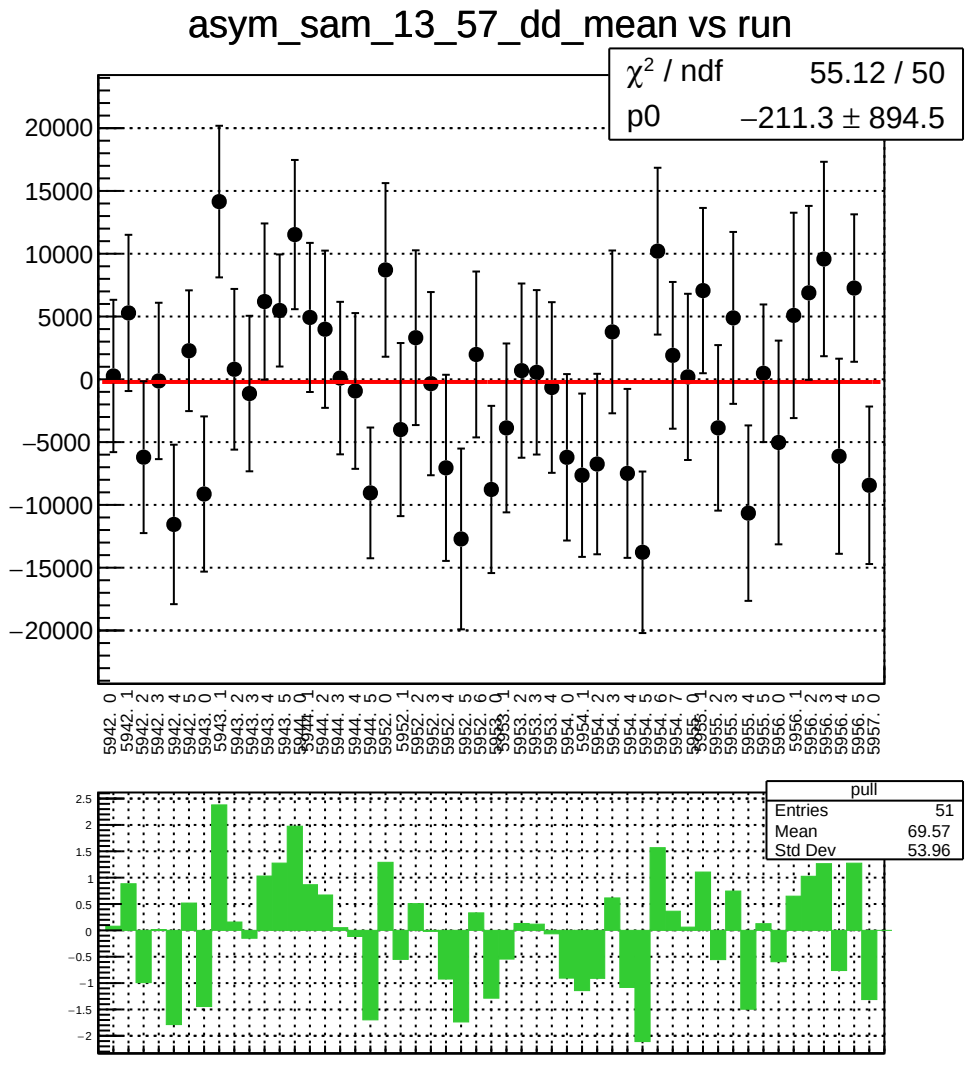

pull1D
Entries 51
Mean −0.03918
Std Dev 0.8958

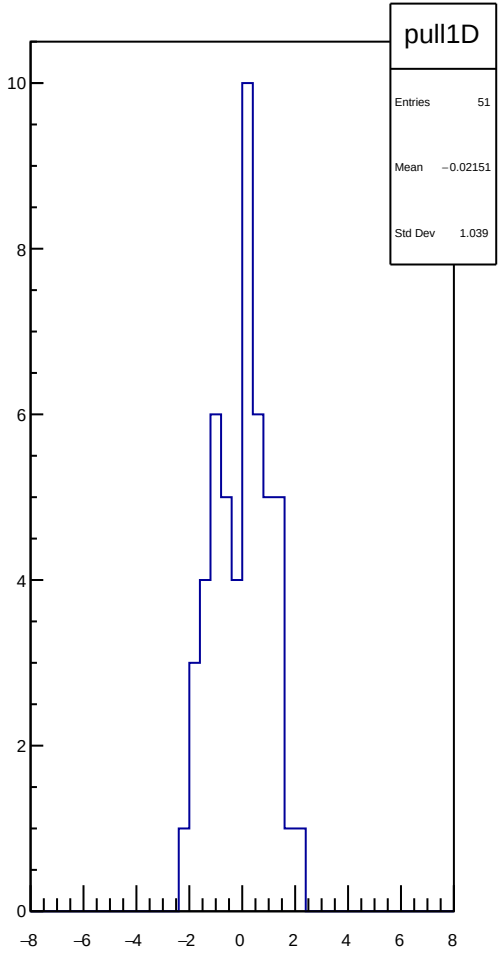

reg_asym_sam_13_57_dd_rms vs run
χ² / ndf 3527 / 50
p0 61.05 ± 0.06156
95
90
85
80
75
70
65
60
55
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 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

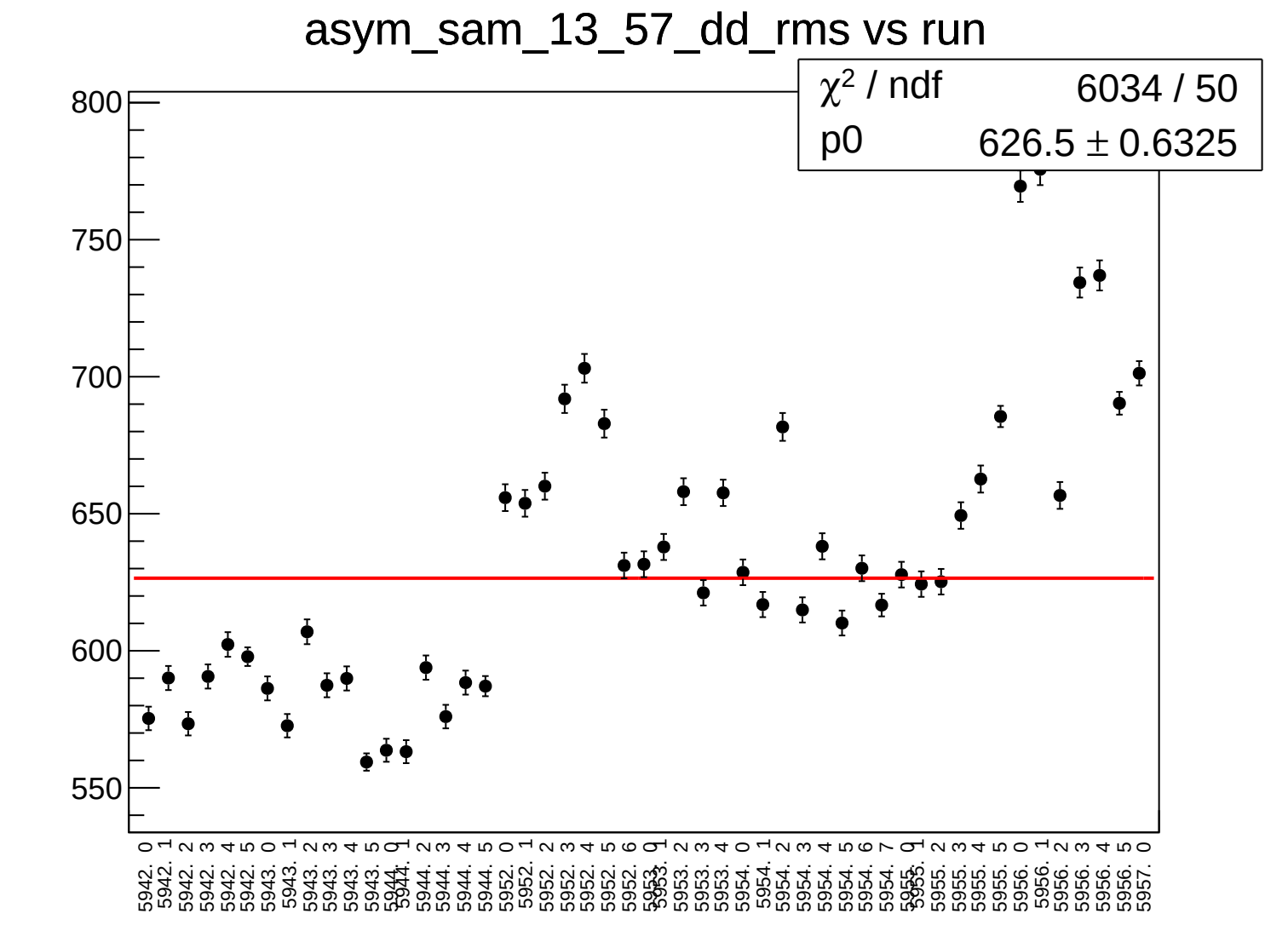

asym_sam_13_57_dd_correction_mean vs run
χ^2 / ndf 57.54 / 50
p0 358.6 ± 890.2
20000
10000
0
−10000
−20000
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5952. 9
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
pull
Entries 51
Mean 76.78
Std Dev 61.84
2
1
0
−1
−2

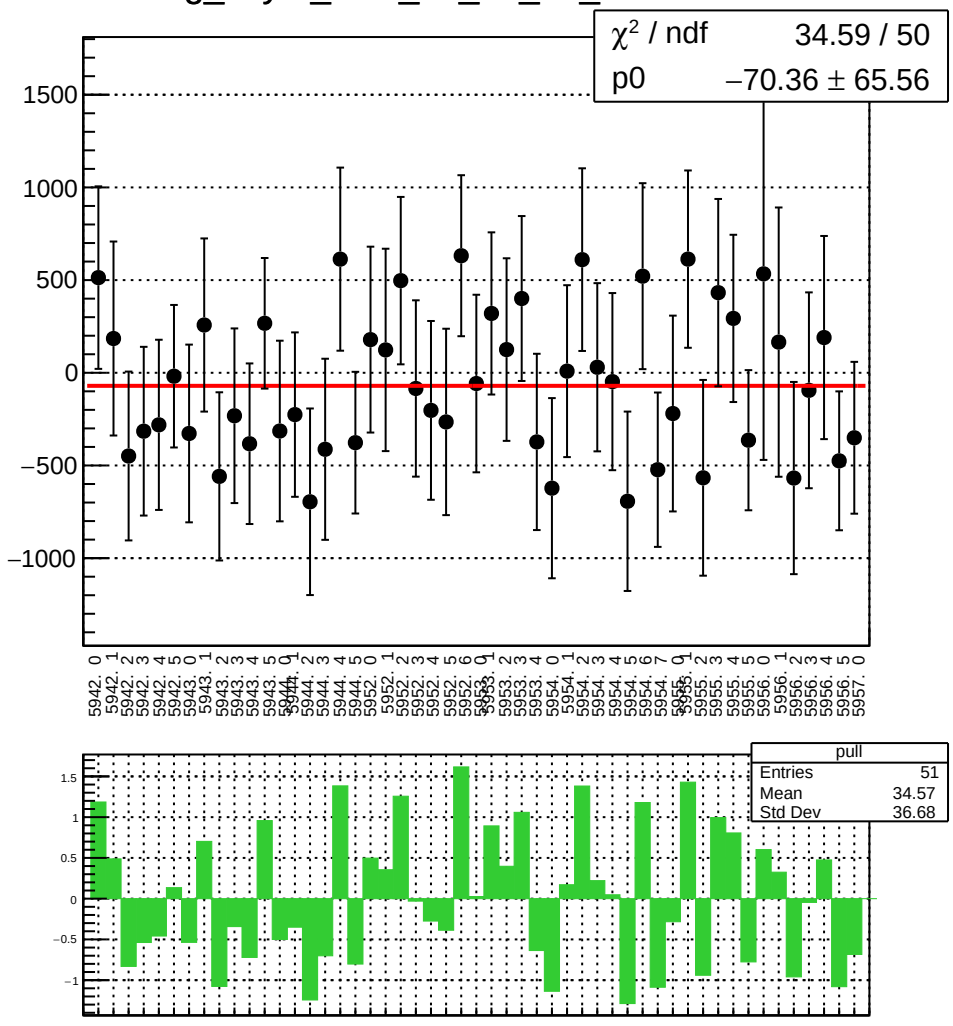

pull1D
Entries 51
Mean 0.01859
Std Dev 1.062
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

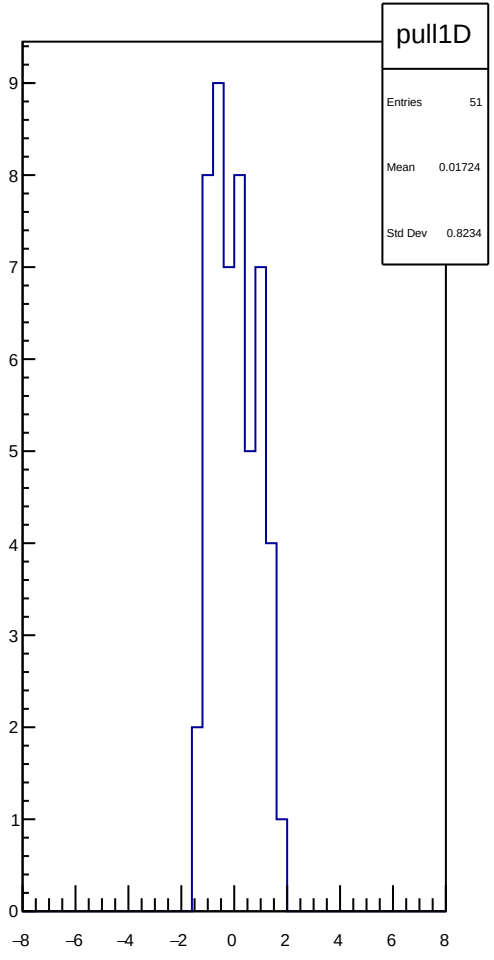

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 6091 / 50
p0 623.4 ± 0.6295
800
750
700
650
600
550
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
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

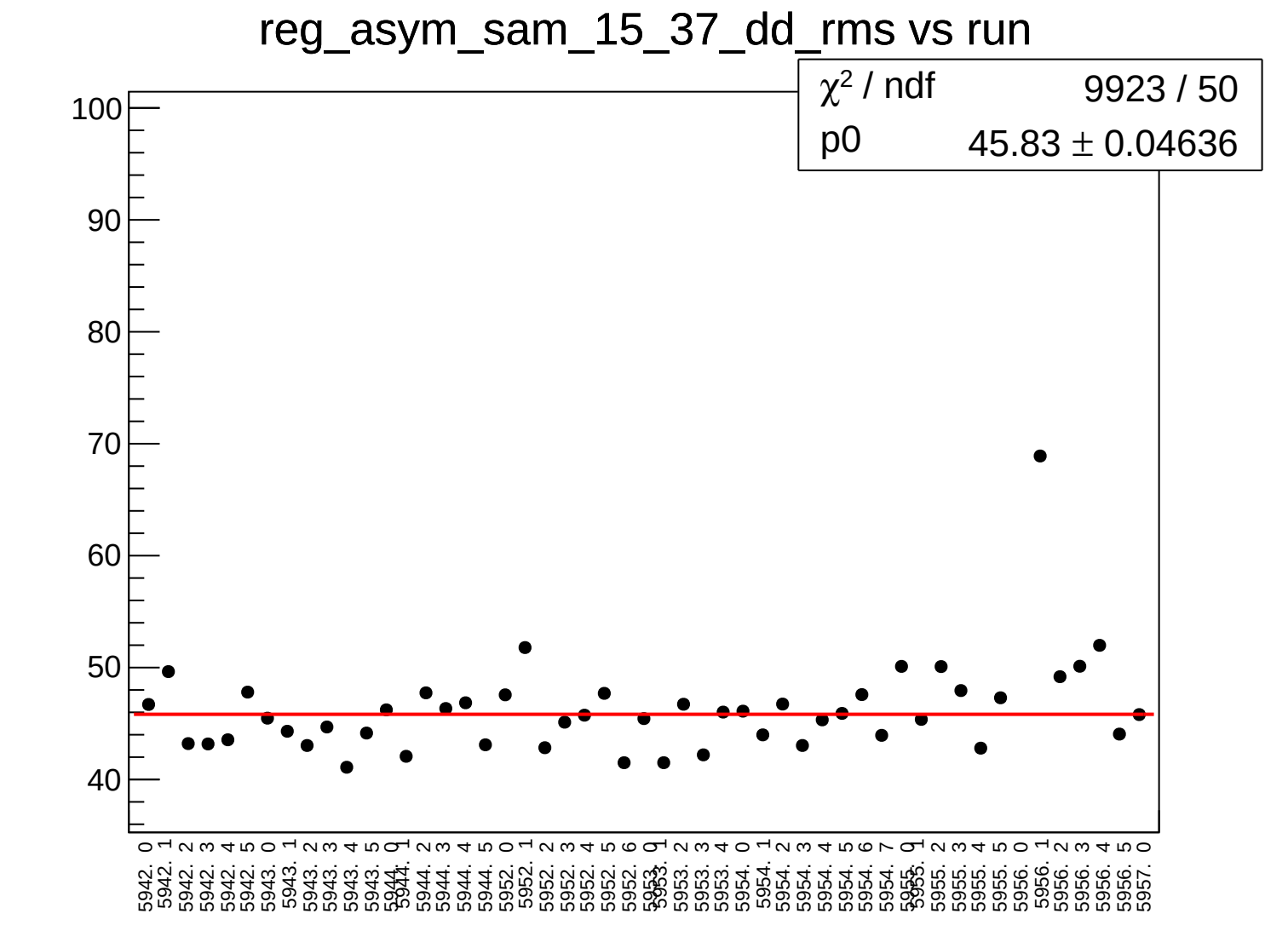

asym_sam_13_57_dd_mean vs run
χ² / ndf 55.12 / 50
p0 −211.3 ± 894.5
pull
Entries 51
Mean 69.57
Std Dev 53.96

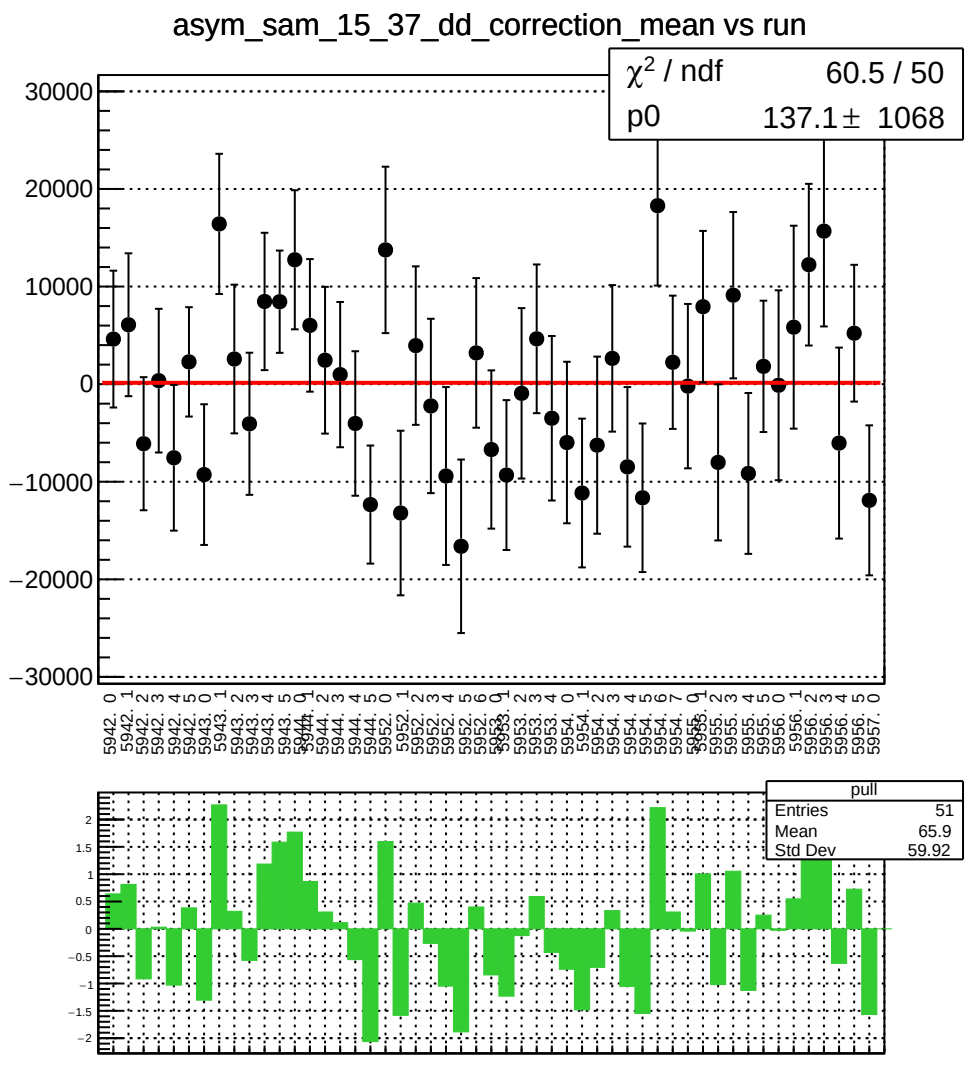

pull1D
Entries 51
Mean −0.02151
Std Dev 1.039

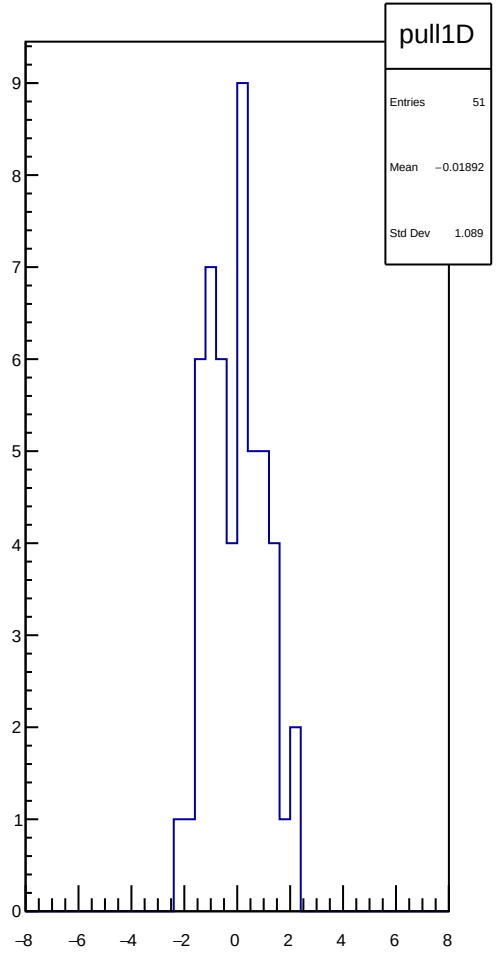

asym_sam_13_57_dd_rms vs run
χ² / ndf 6034 / 50
p0 626.5 ± 0.6325
800
750
700
650
600
550
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 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

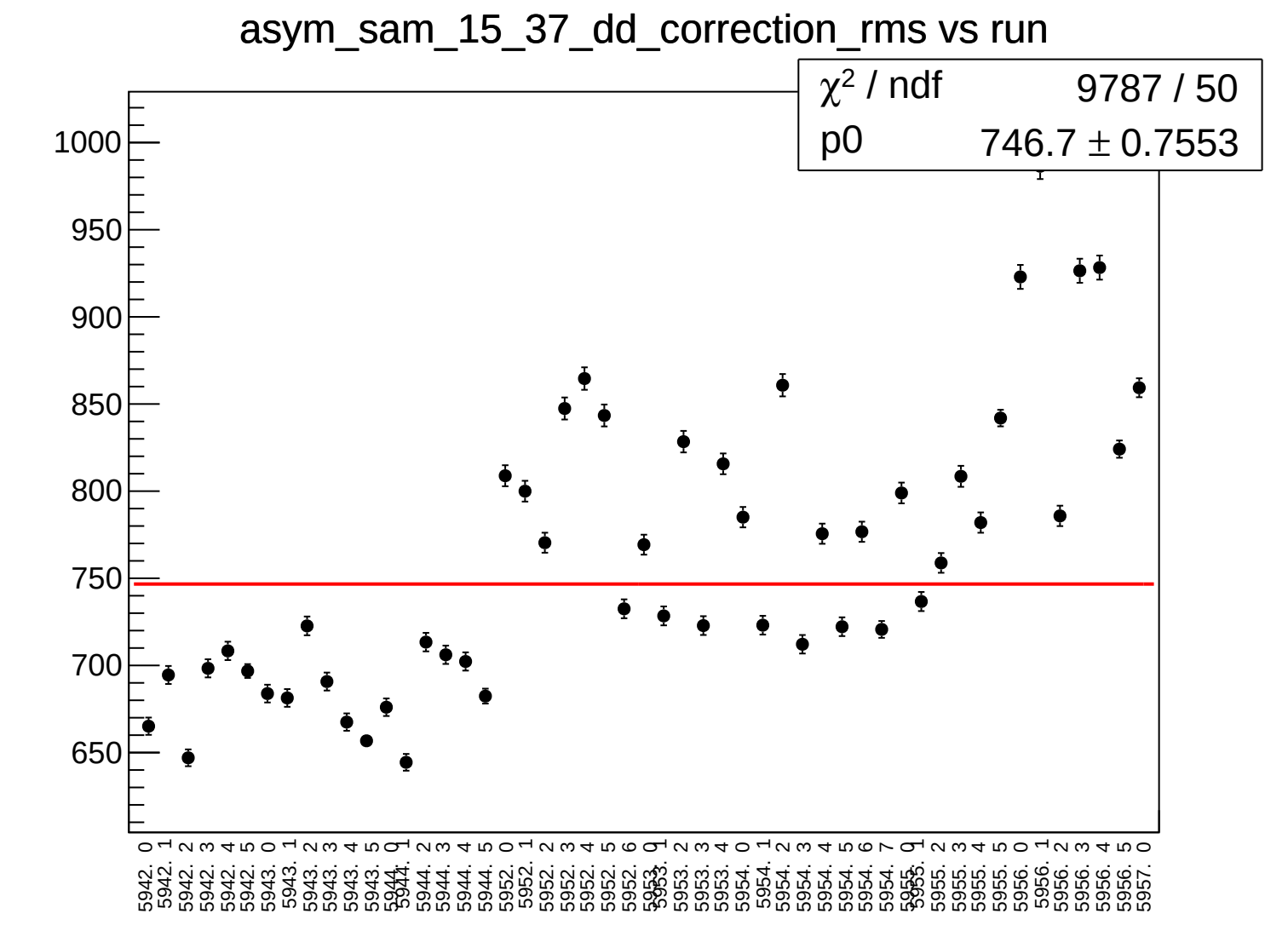

reg_asym_sam_15_37_dd_mean vs run
χ² / ndf 34.59 / 50
p0 −70.36 ± 65.56
pull
Entries 51
Mean 34.57
Std Dev 36.68

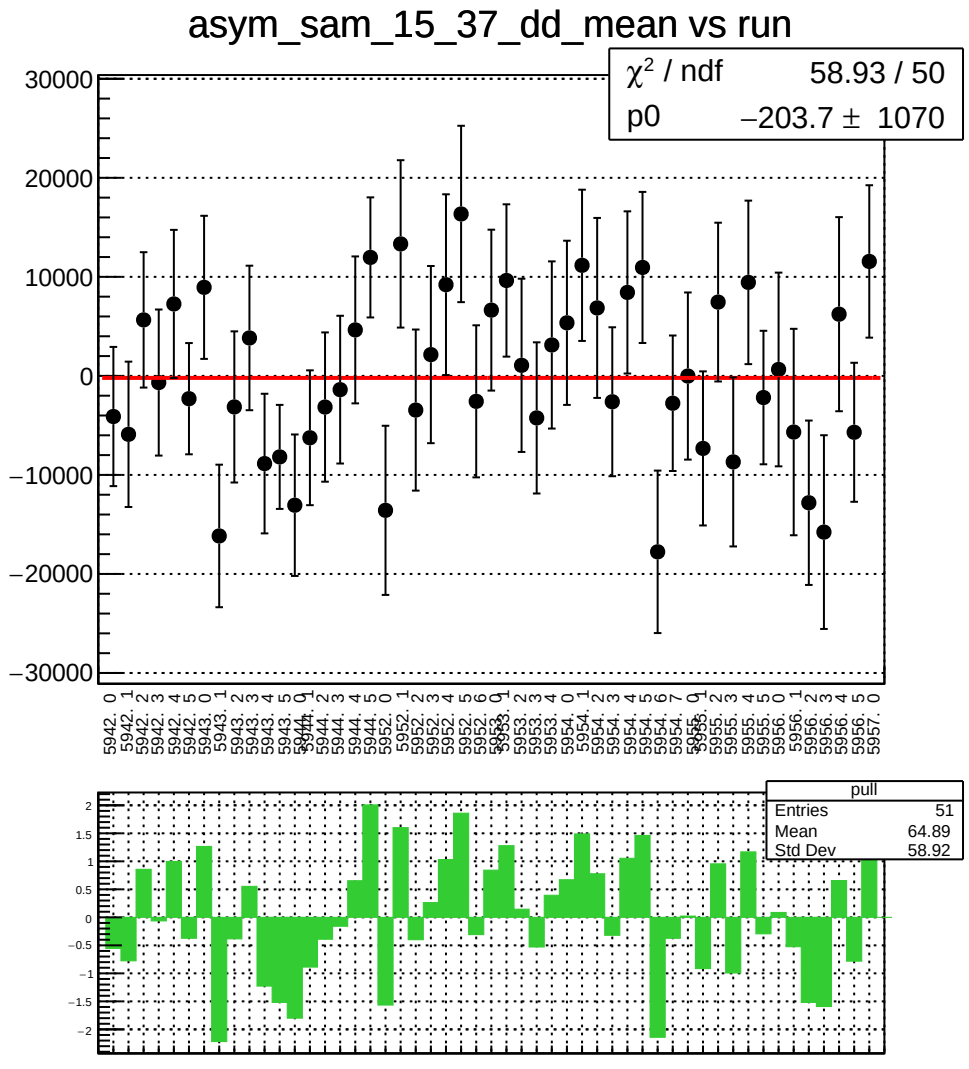

pull1D
Entries 51
Mean 0.01724
Std Dev 0.8234

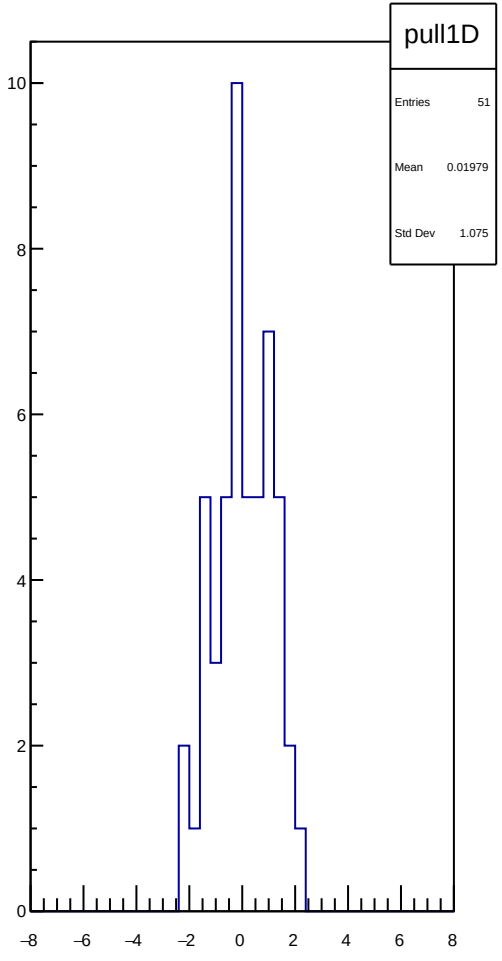

reg_asym_sam_15_37_dd_rms vs run
χ² / ndf 9923 / 50
p0 45.83 ± 0.04636
100
90
80
70
60
50
40
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
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

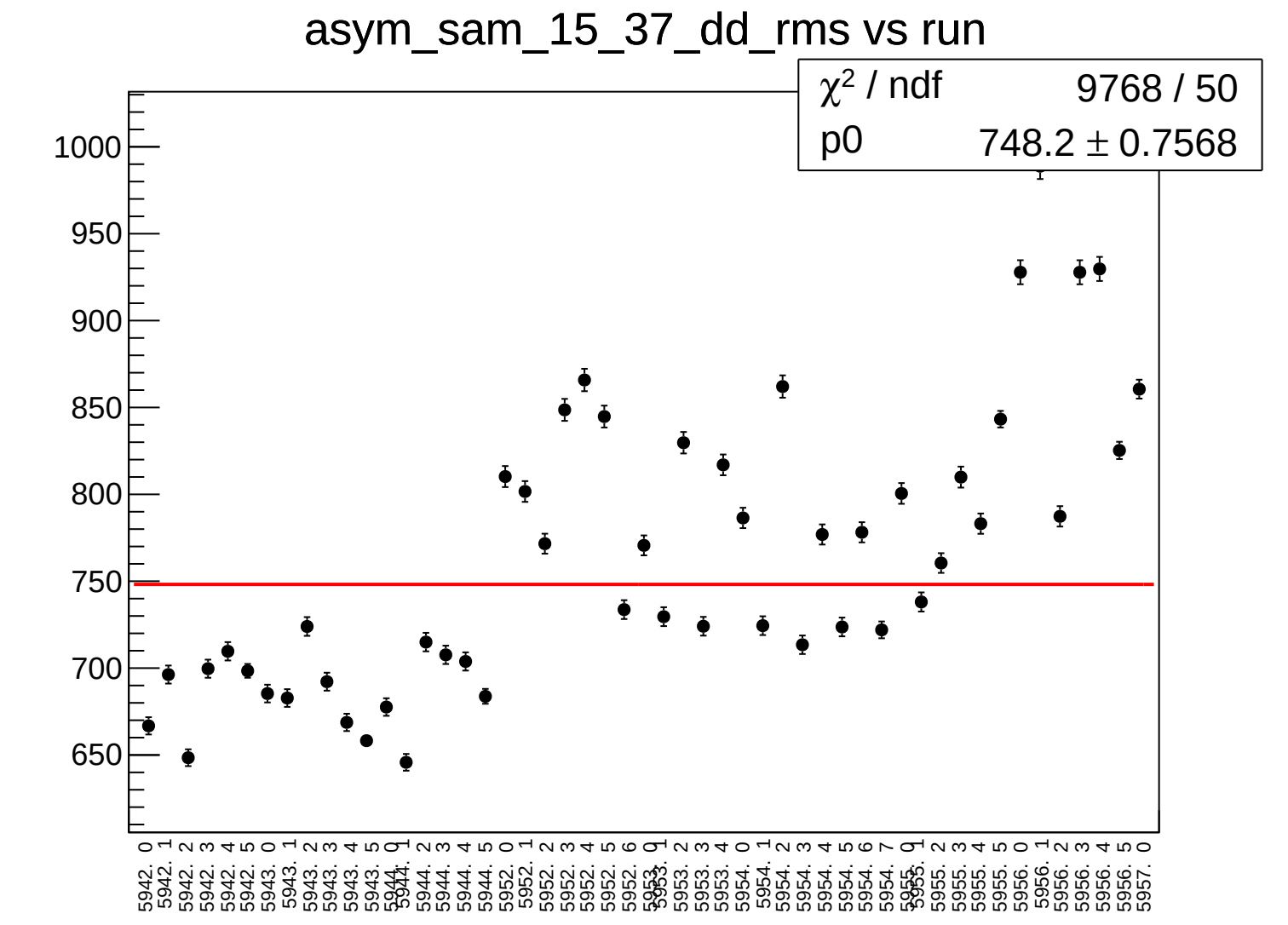

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 60.5 / 50
p0 137.1 ± 1068
pull
Entries 51
Mean 65.9
Std Dev 59.92

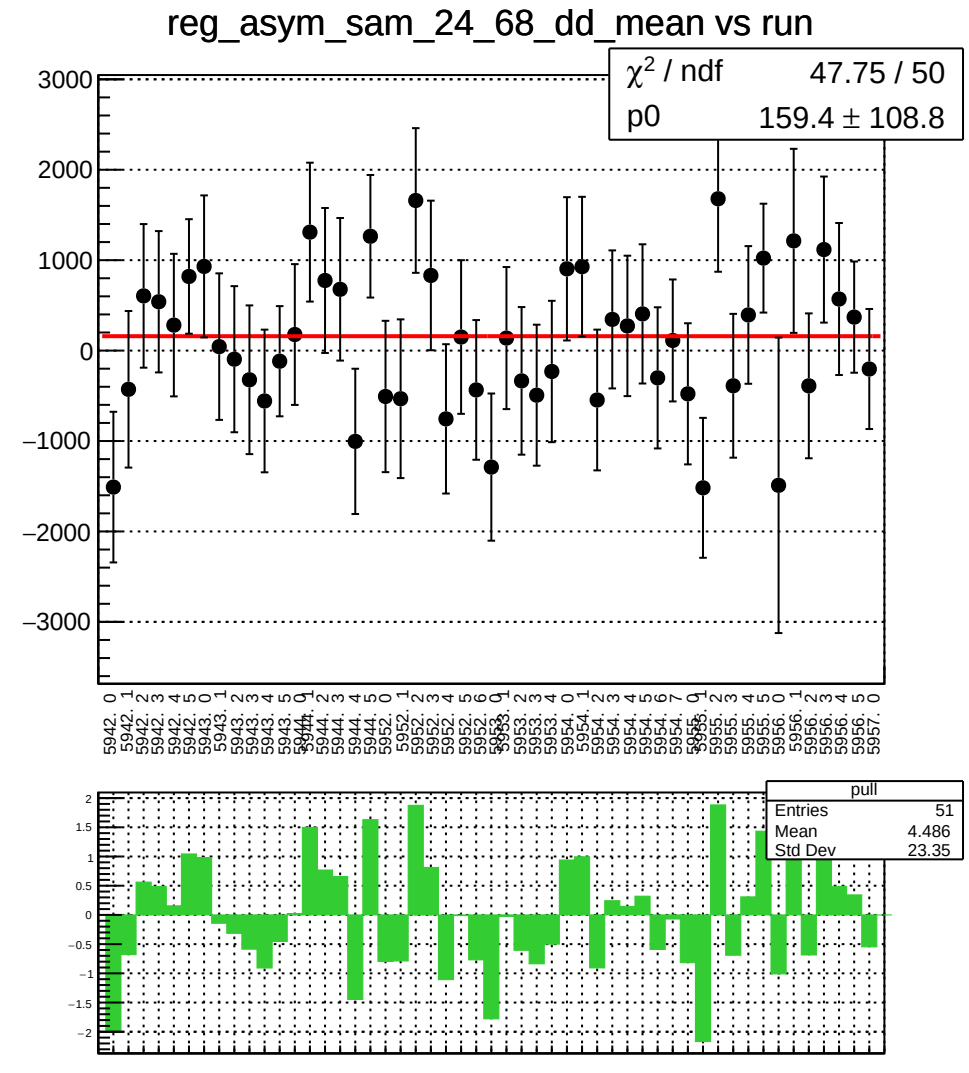

pull1D
Entries 51
Mean −0.01892
Std Dev 1.089

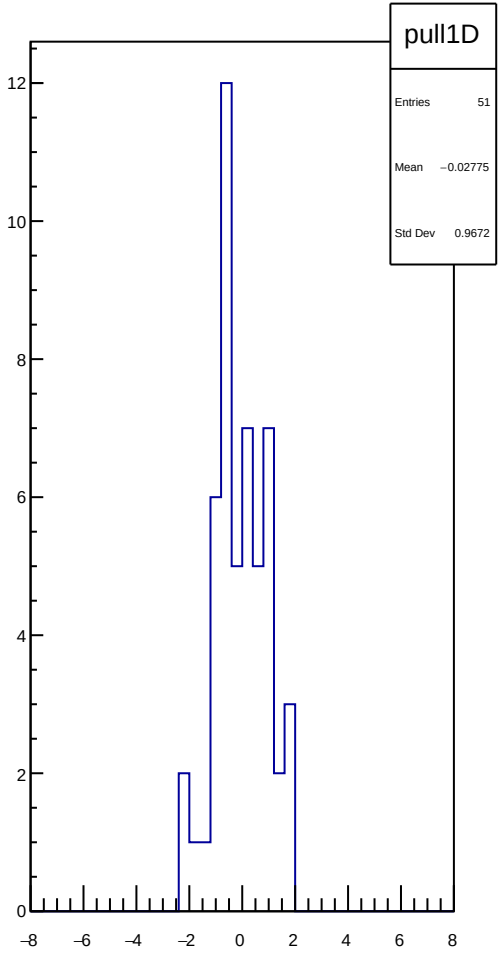

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 9787 / 50
p0 746.7 ± 0.7553
1000
950
900
850
800
750
700
650
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
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

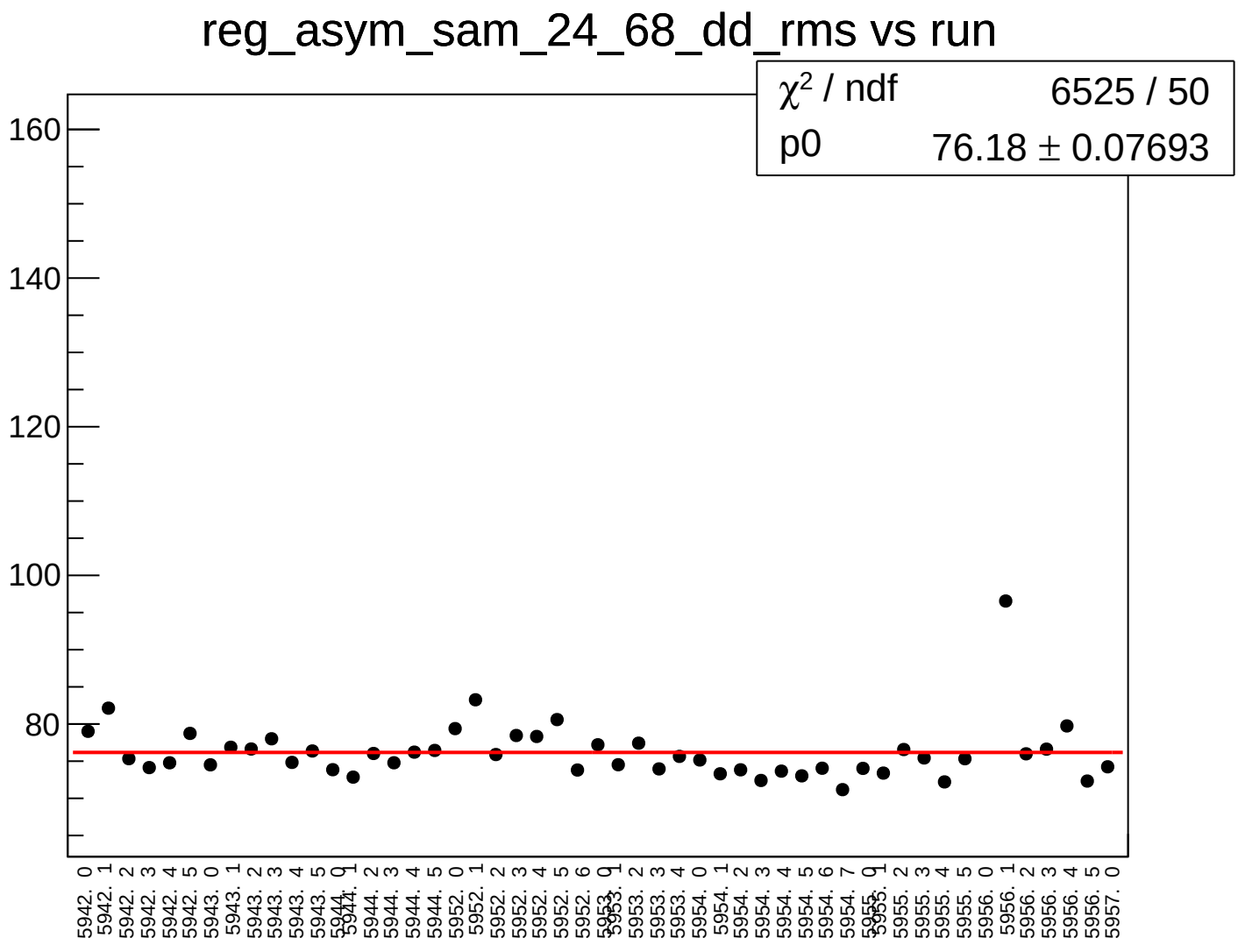

asym_sam_15_37_dd_mean vs run
χ² / ndf 58.93 / 50
p0 −203.7 ± 1070
pull
Entries 51
Mean 64.89
Std Dev 58.92

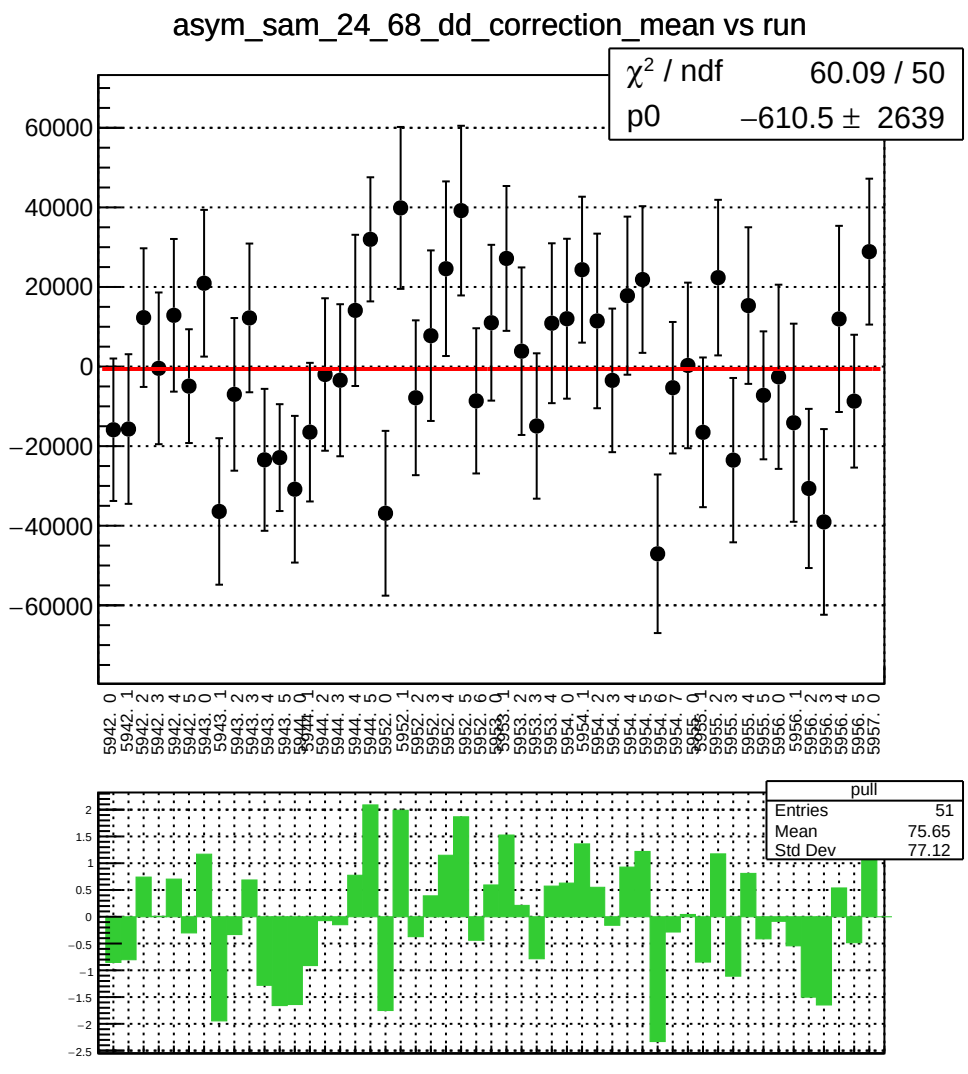

pull1D
Entries 51
Mean 0.01979
Std Dev 1.075

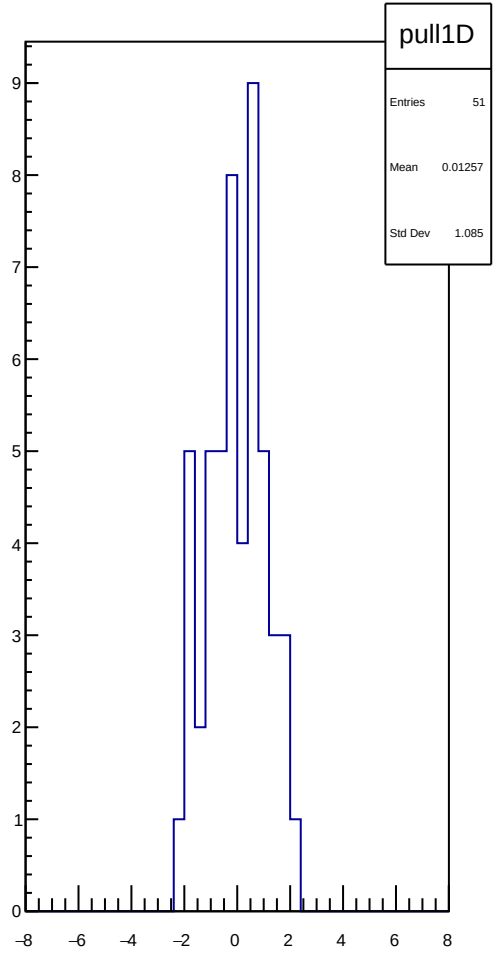

asym_sam_15_37_dd_rms vs run
χ² / ndf 9768 / 50
p0 748.2 ± 0.7568
1000
950
900
850
800
750
700
650
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 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

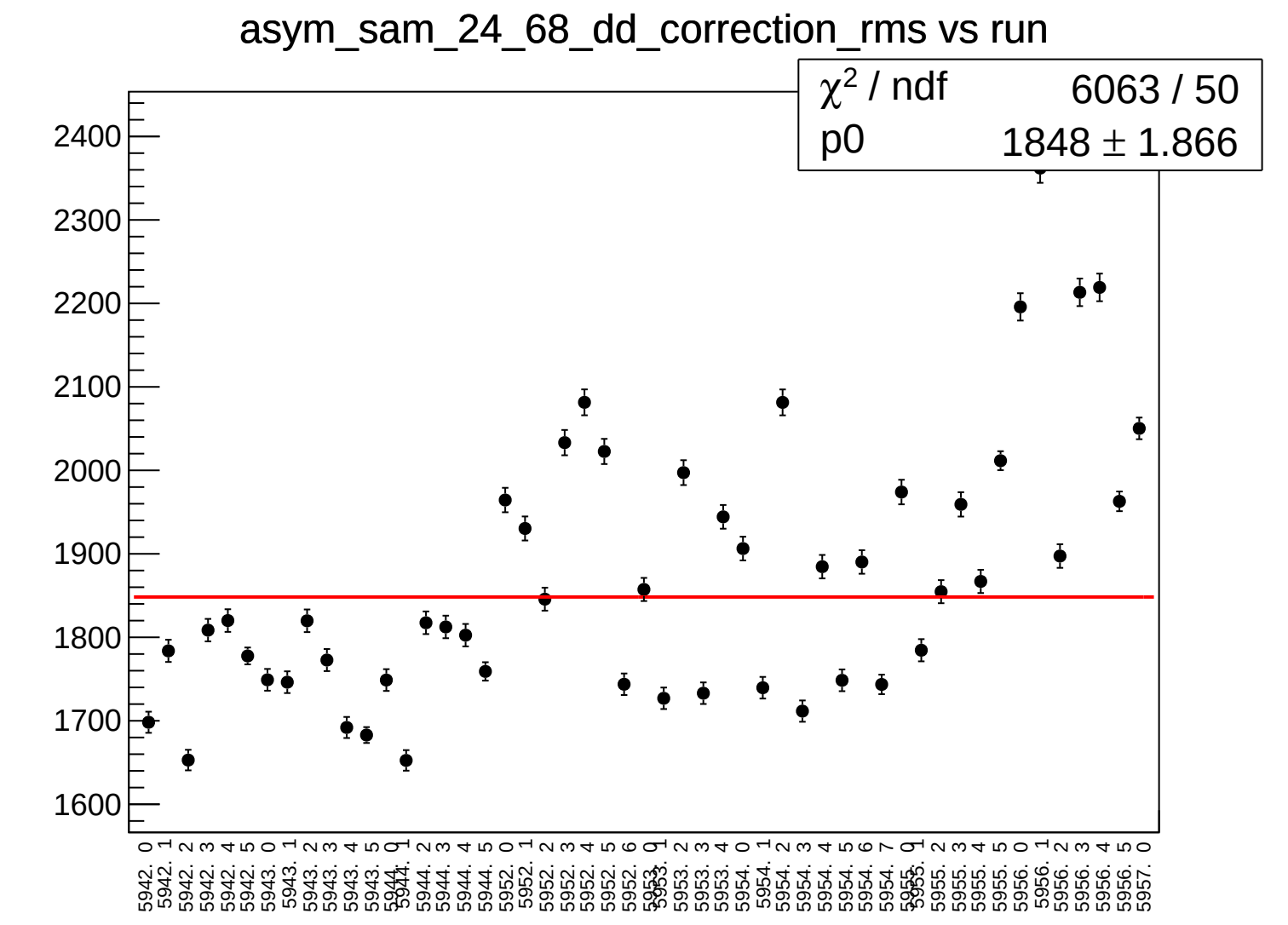

reg_asym_sam_24_68_dd_mean vs run
χ² / ndf 47.75 / 50
p0 159.4 ± 108.8
pull
Entries 51
Mean 4.486
Std Dev 23.35

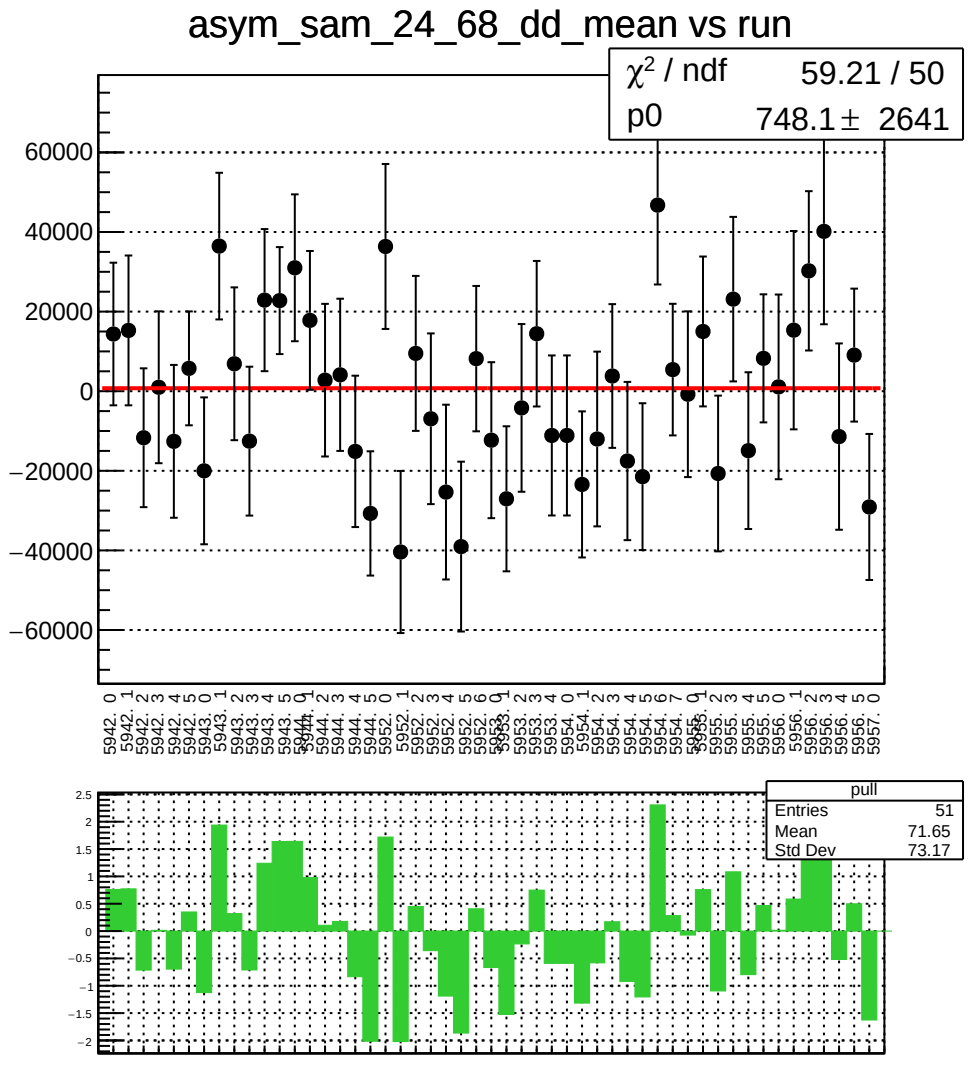

pull1D
Entries 51
Mean −0.02775
Std Dev 0.9672

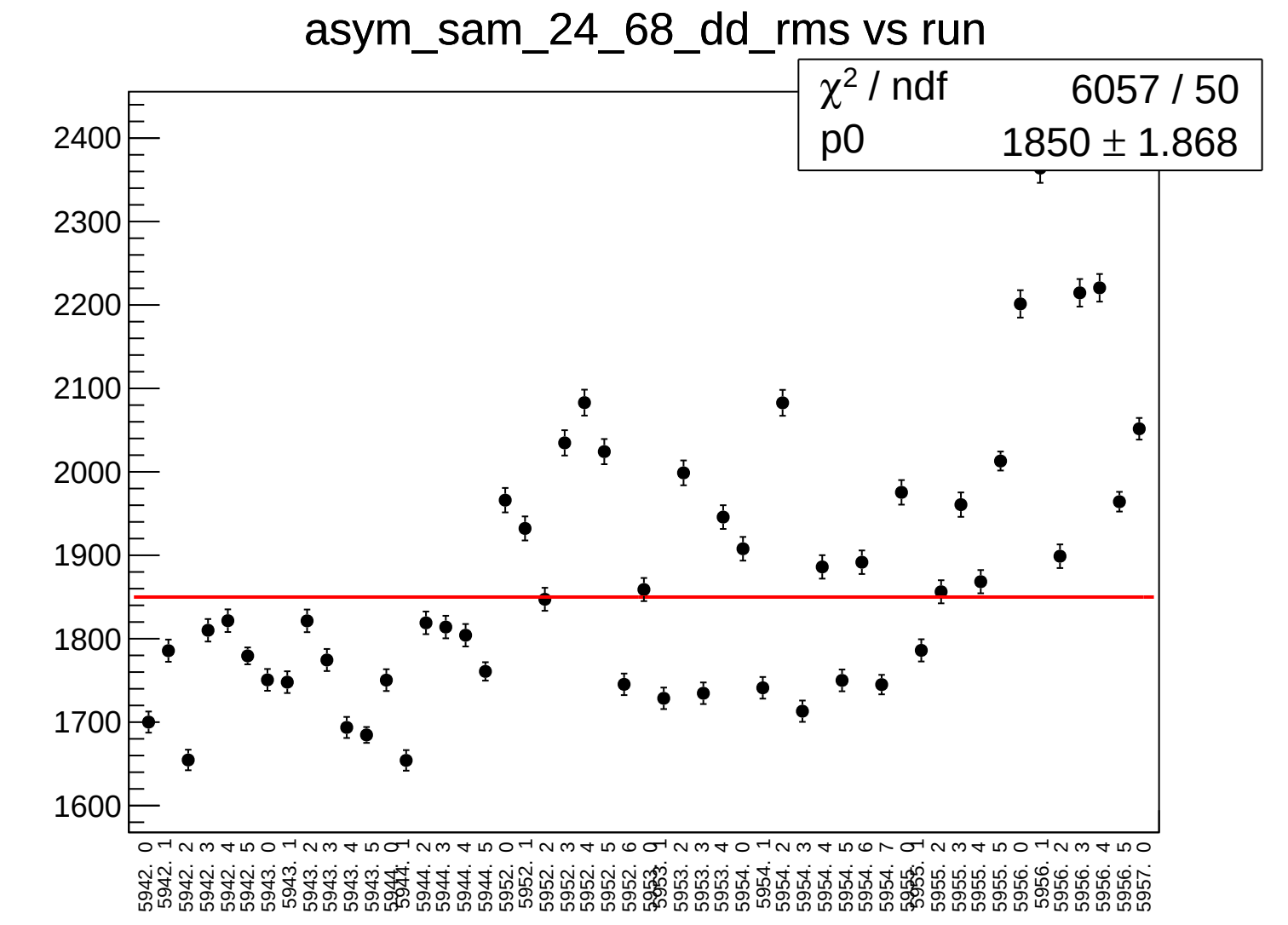

reg_asym_sam_24_68_dd_rms vs run
χ² / ndf 6525 / 50
p0 76.18 ± 0.07693
160
140
120
100
80
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 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

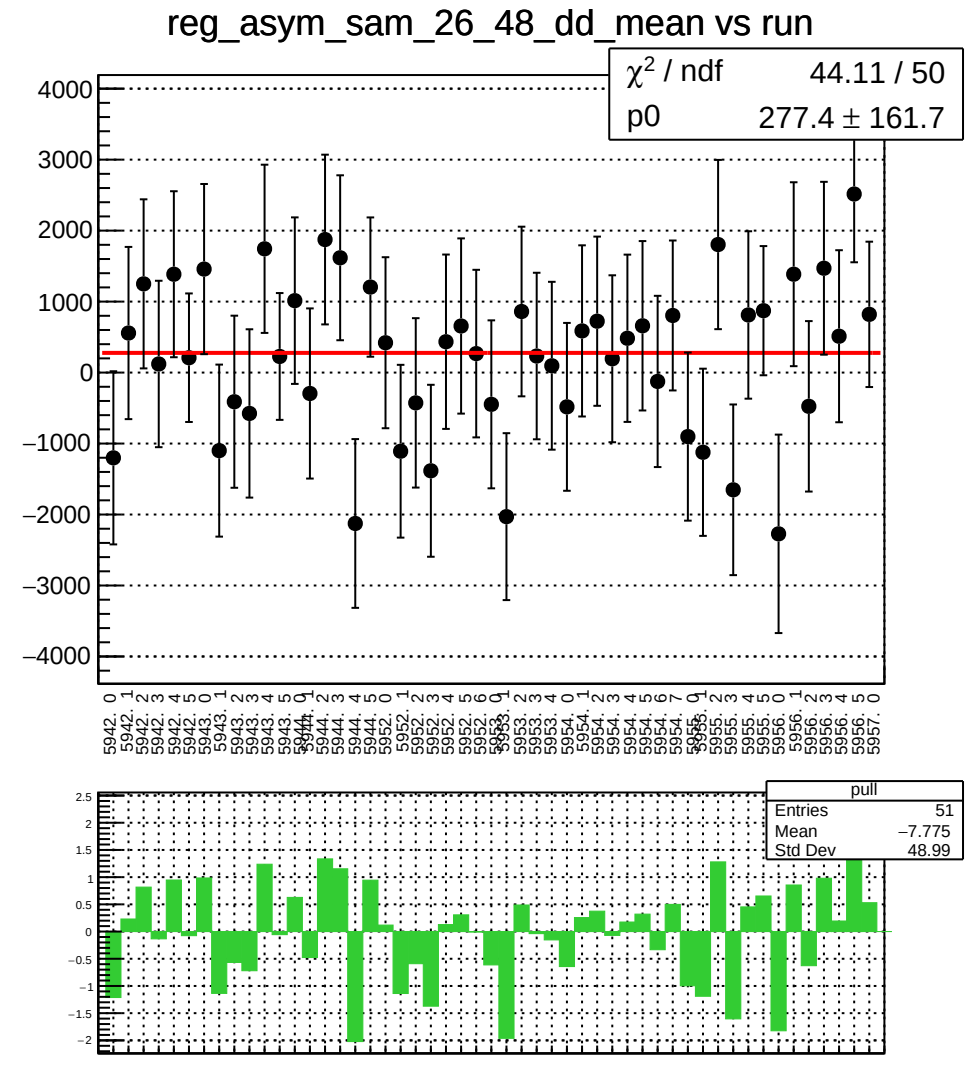

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 60.09 / 50
p0 −610.5 ± 2639
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 51
Mean 75.65
Std Dev 77.12
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

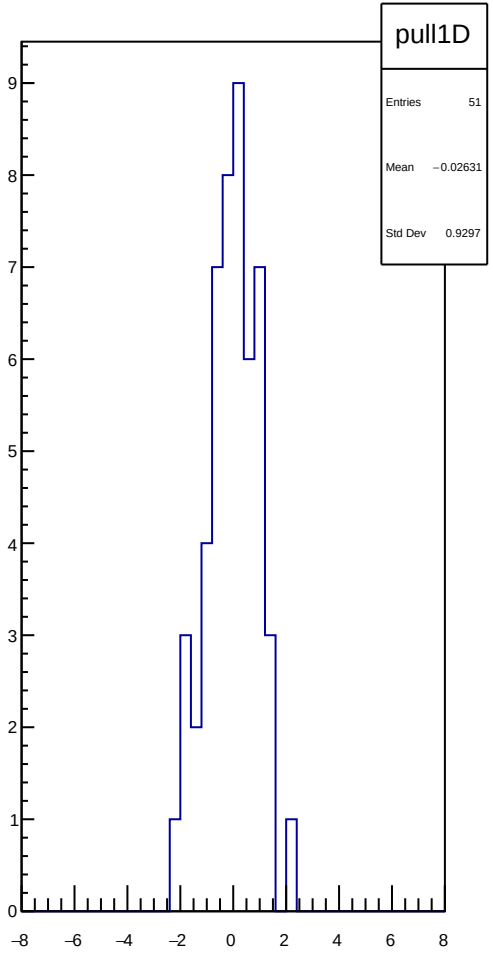

pull1D
Entries 51
Mean 0.01257
Std Dev 1.085
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

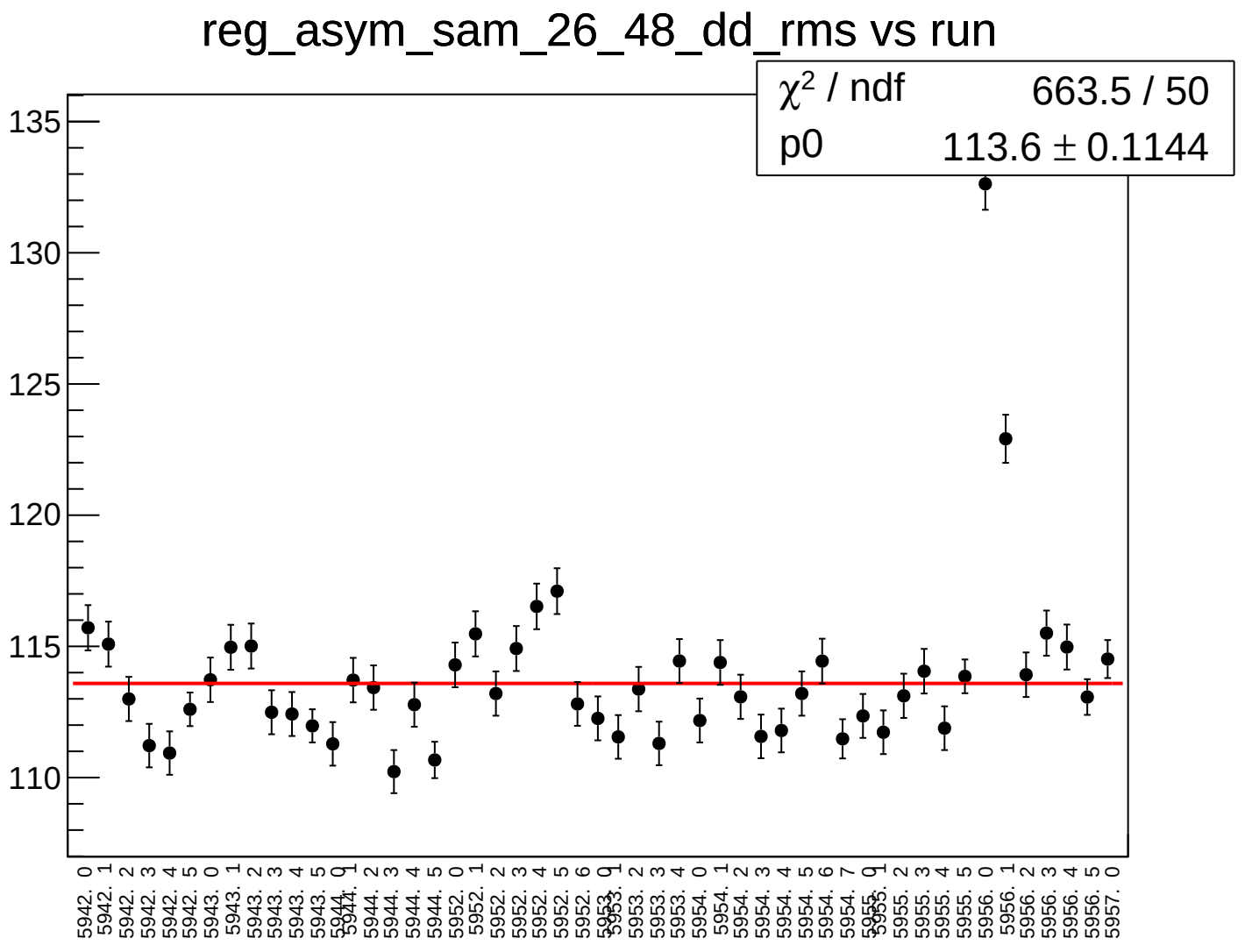

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 6063 / 50
p0 1848 ± 1.866
2400
2300
2200
2100
2000
1900
1800
1700
1600
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 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

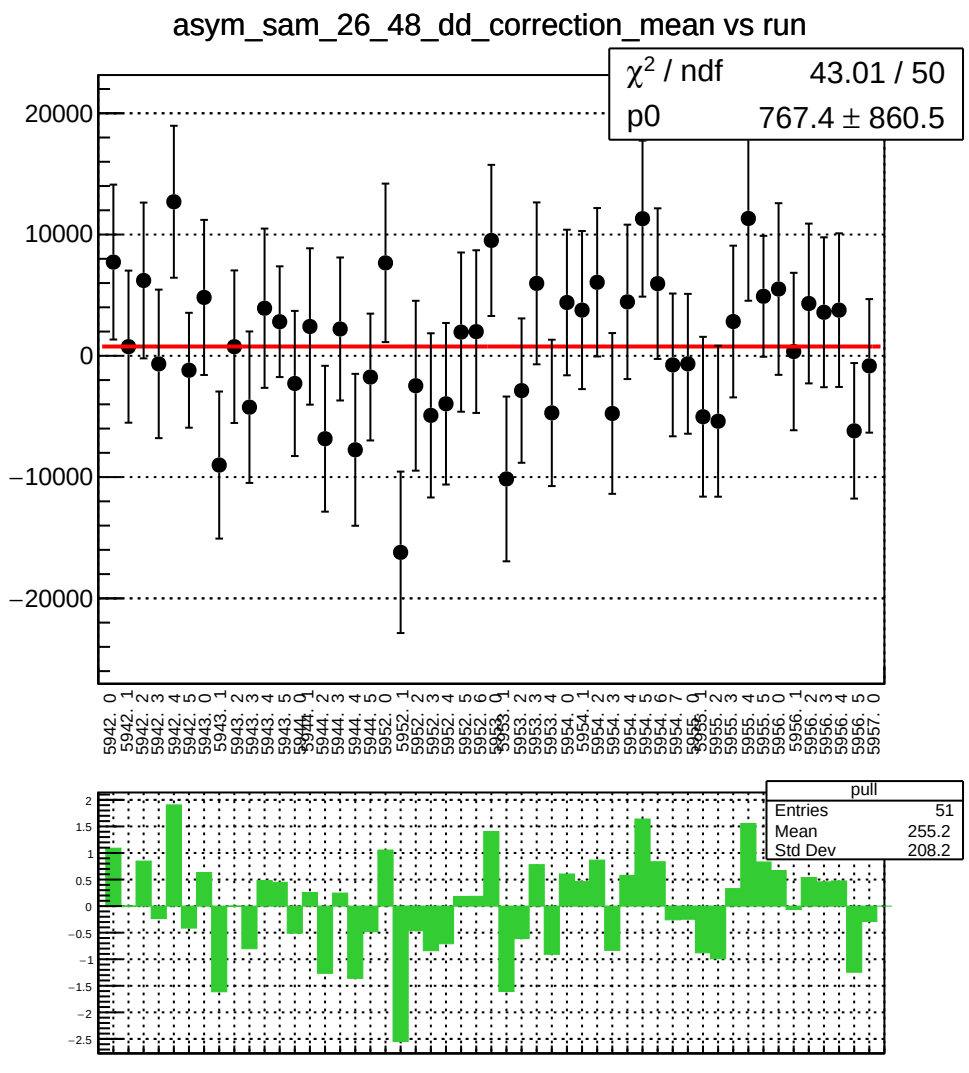

asym_sam_24_68_dd_mean vs run
χ² / ndf 59.21 / 50
p0 748.1 ± 2641
60000
40000
20000
0
−20000
−40000
−60000
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5952. 9
5953. 1
5953. 2
5953. 3
5953. 4
5953. 5
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
pull
Entries 51
Mean 71.65
Std Dev 73.17
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 51
Mean −0.01335
Std Dev 1.077
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

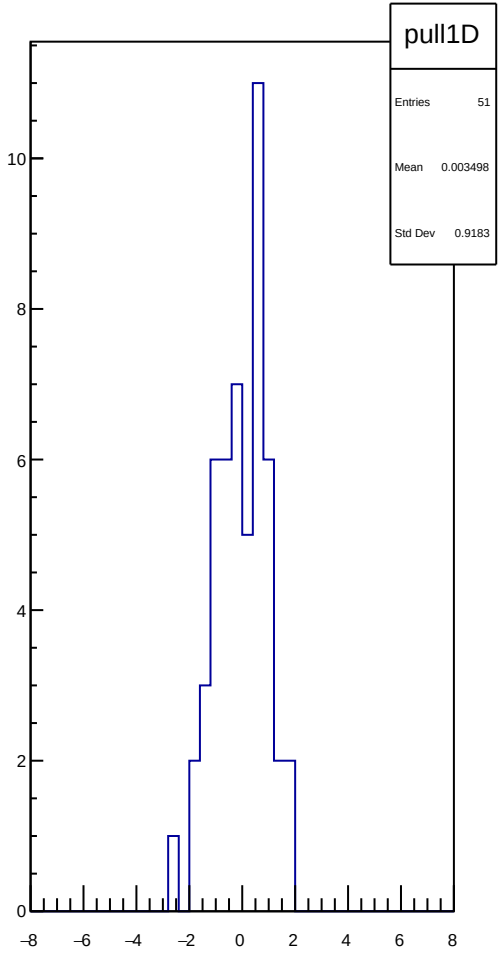

asym_sam_24_68_dd_rms vs run
χ² / ndf 6057 / 50
p0 1850 ± 1.868
2400
2300
2200
2100
2000
1900
1800
1700
1600
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
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

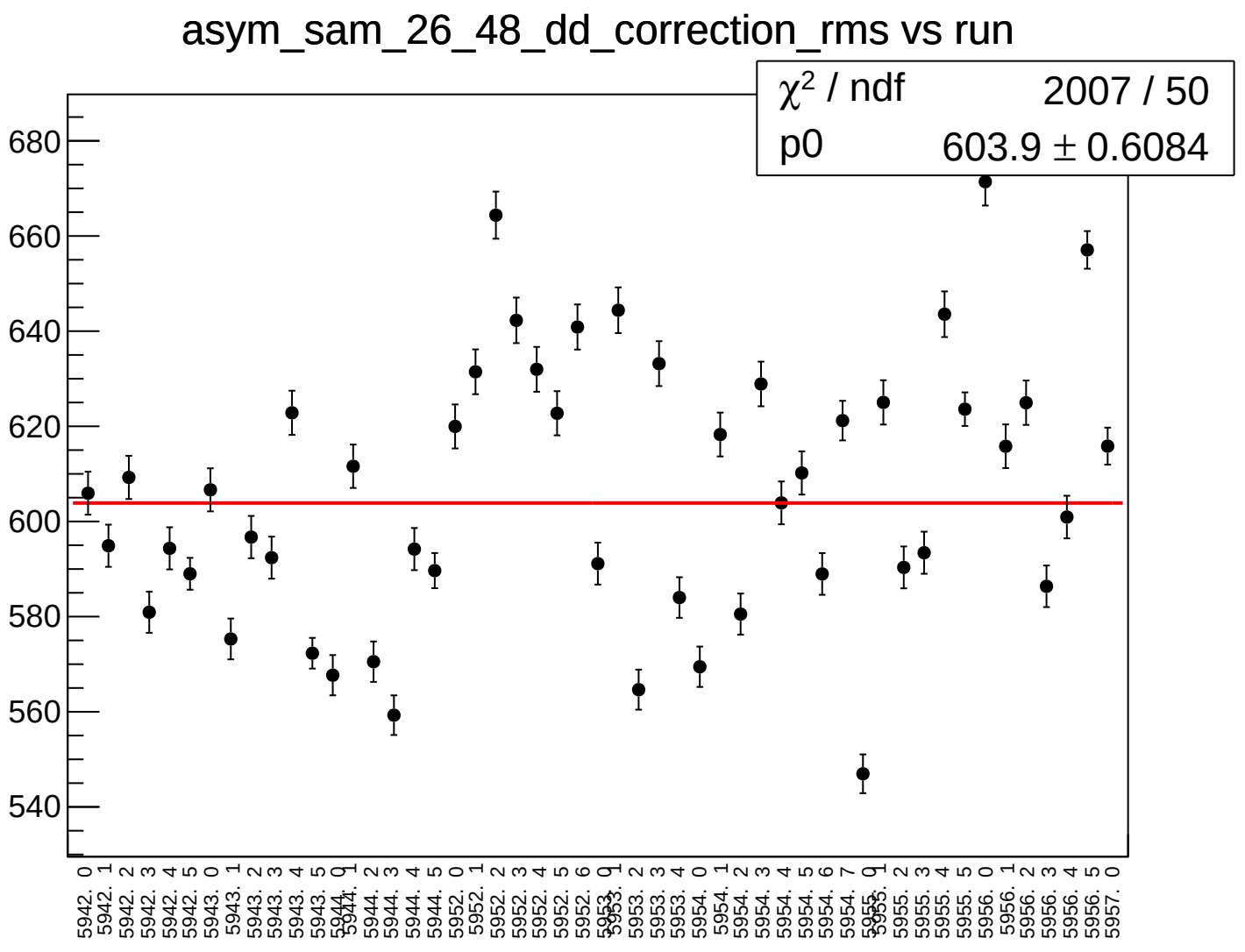

reg_asym_sam_26_48_dd_mean vs run
χ² / ndf 44.11 / 50
p0 277.4 ± 161.7
pull
Entries 51
Mean −7.775
Std Dev 48.99

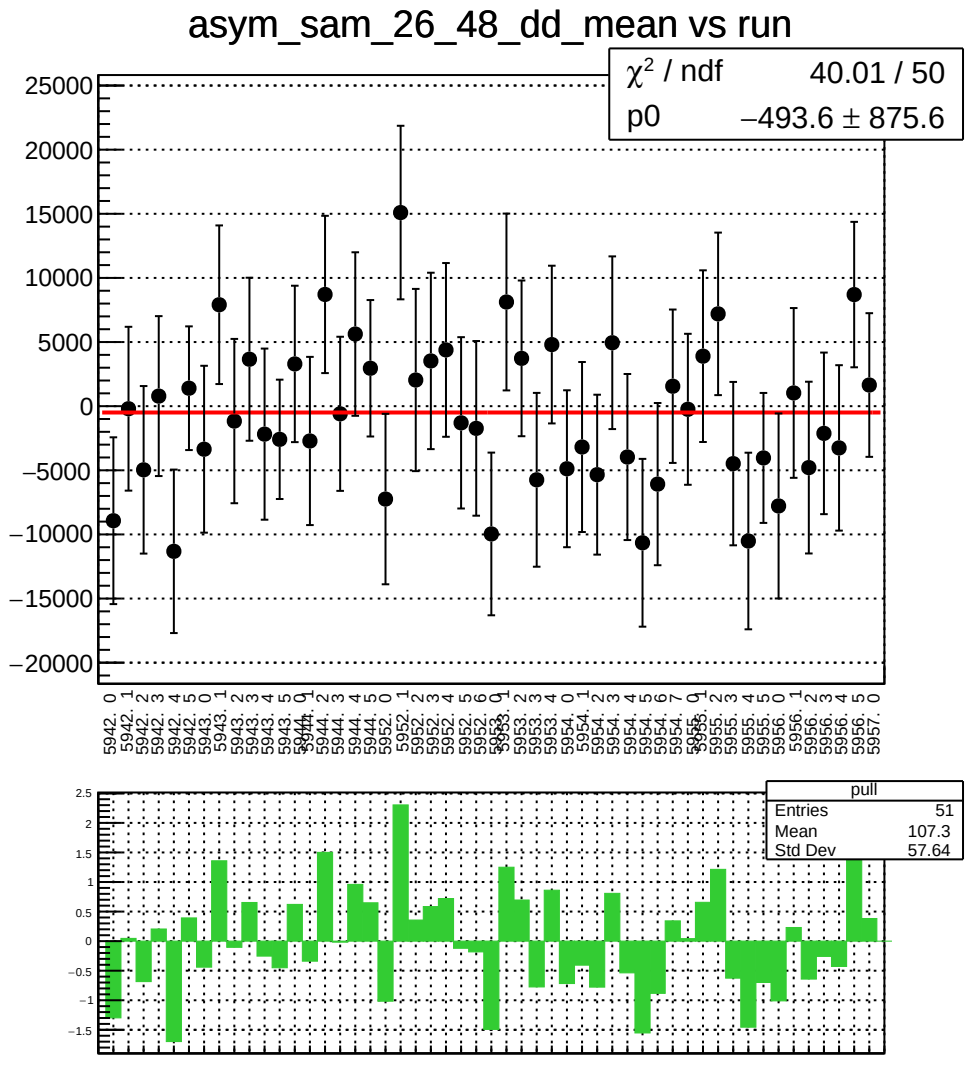

pull1D
Entries 51
Mean −0.02631
Std Dev 0.9297

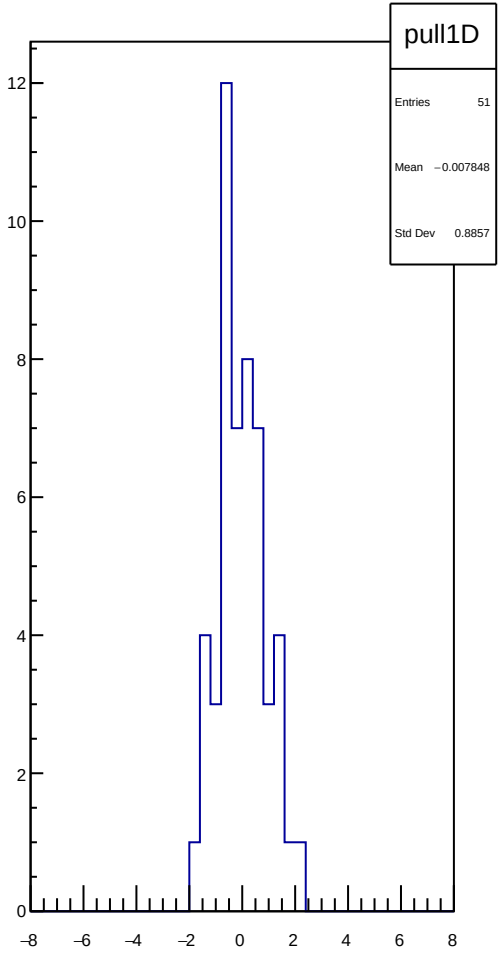

reg_asym_sam_26_48_dd_rms vs run
χ² / ndf 663.5 / 50
p0 113.6 ± 0.1144
135
130
125
120
115
110
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 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

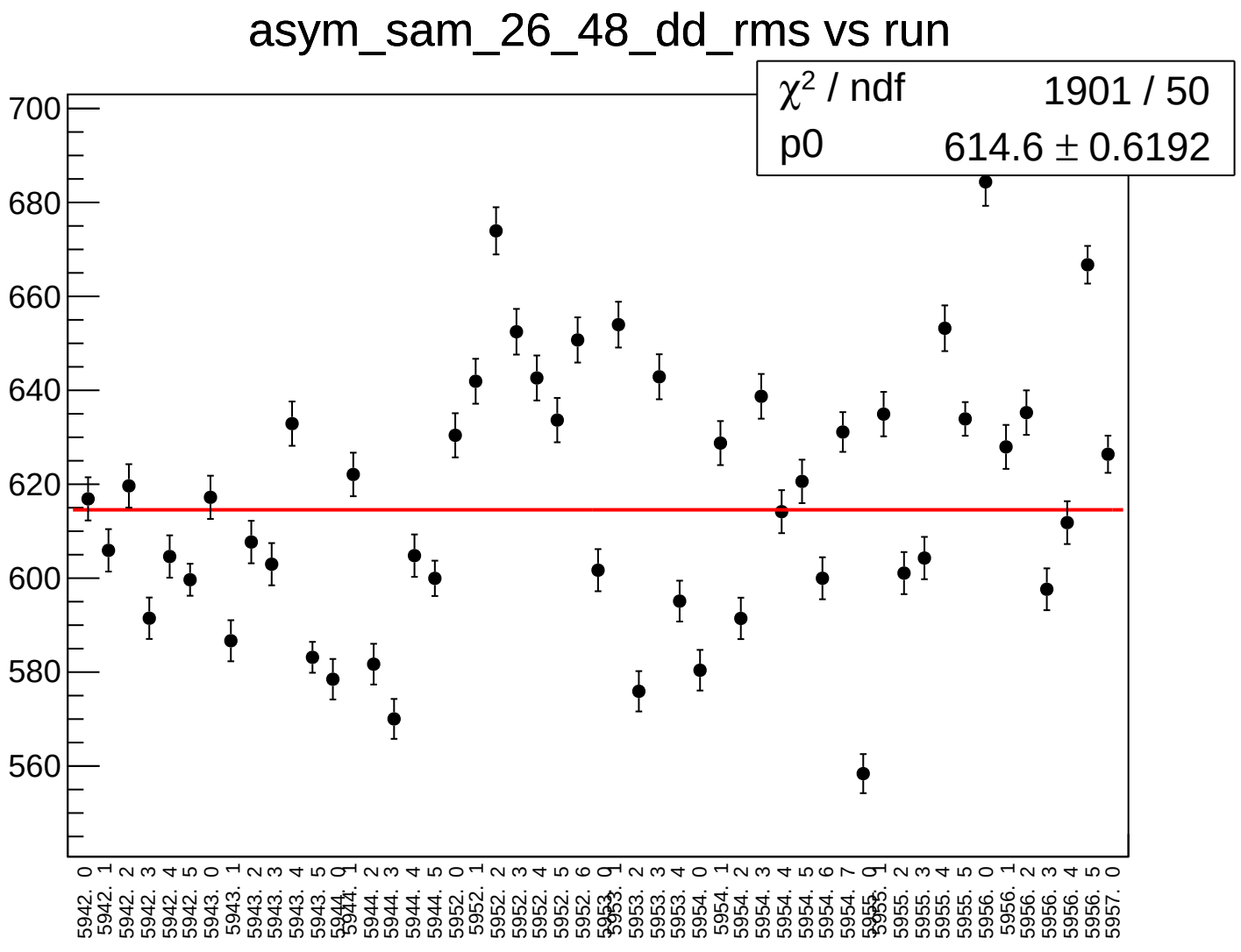

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 43.01 / 50
p0 767.4 ± 860.5
20000
10000
0
−10000
−20000
pull
Entries 51
Mean 255.2
Std Dev 208.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

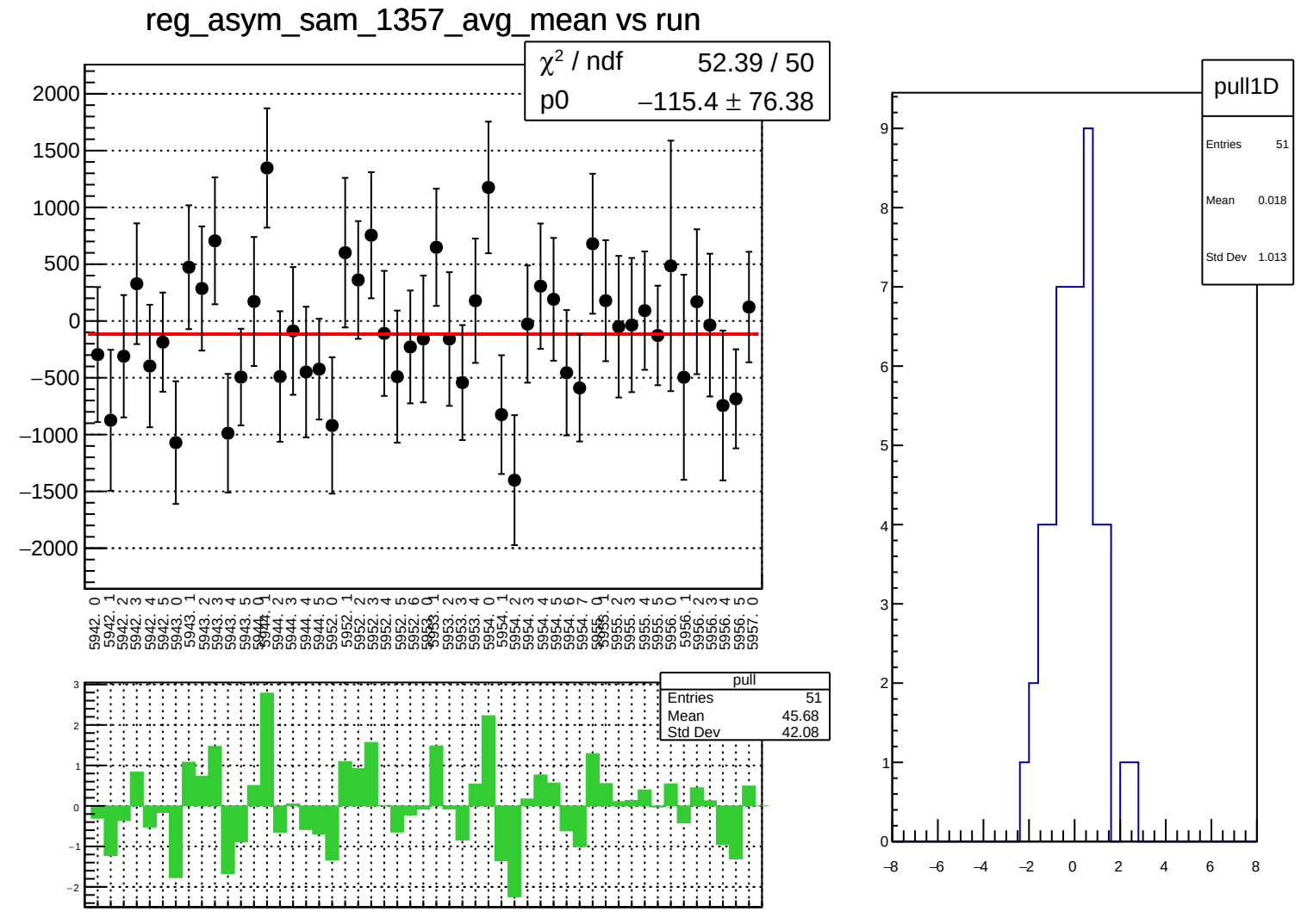

pull1D
Entries 51
Mean 0.003498
Std Dev 0.9183
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

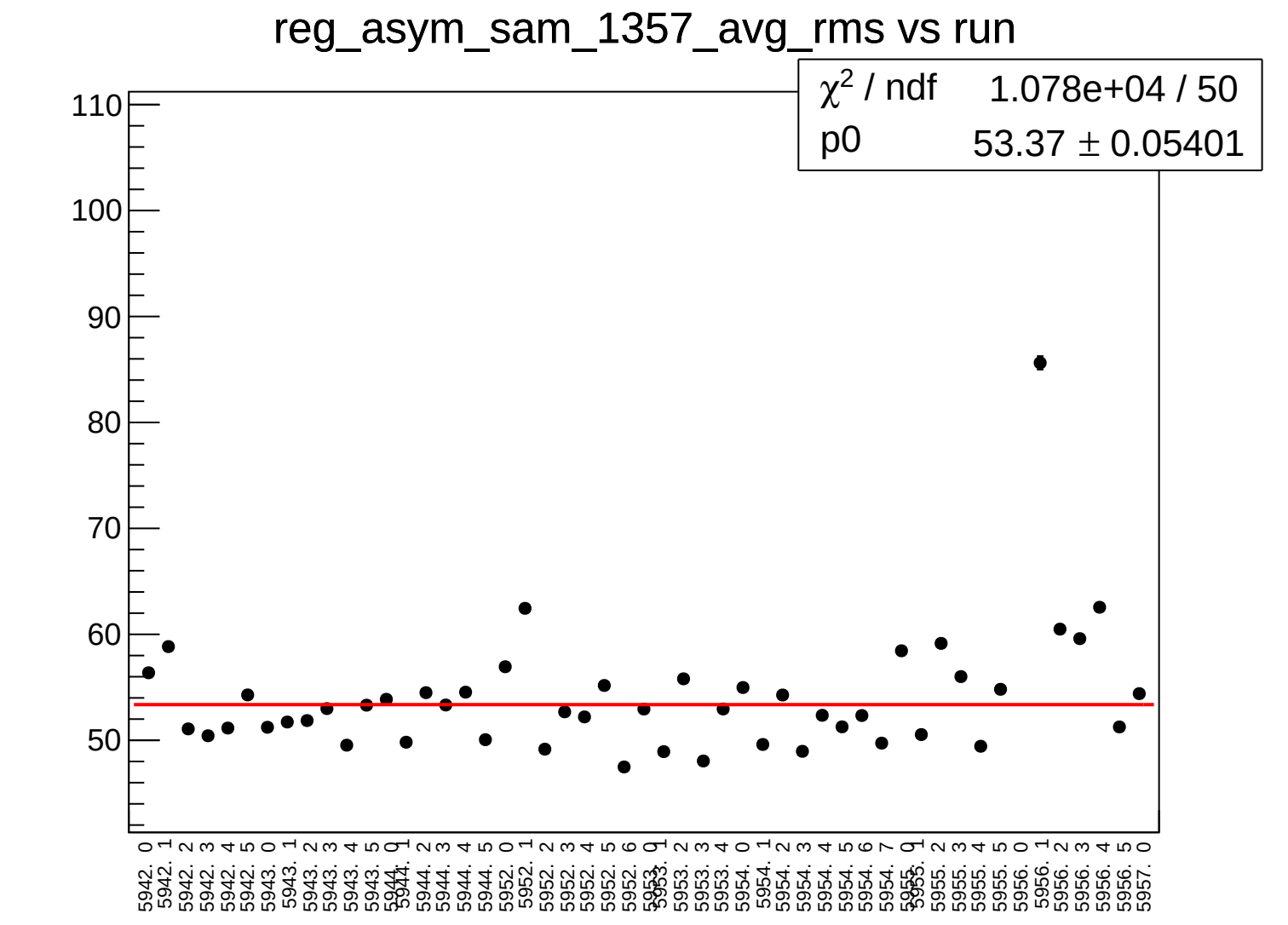

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 2007 / 50
p0 603.9 ± 0.6084
680
660
640
620
600
580
560
540
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
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

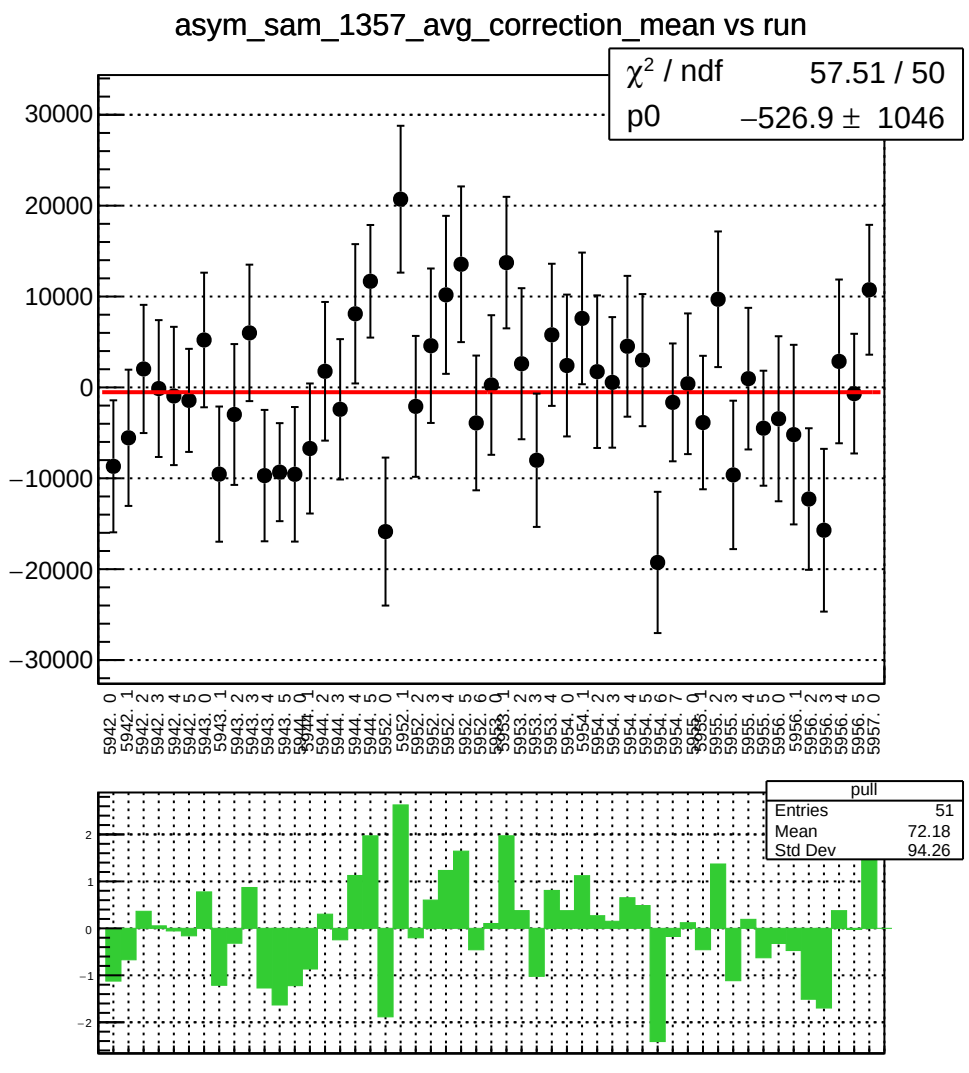

asym_sam_26_48_dd_mean vs run
χ² / ndf 40.01 / 50
p0 −493.6 ± 875.6
pull
Entries 51
Mean 107.3
Std Dev 57.64

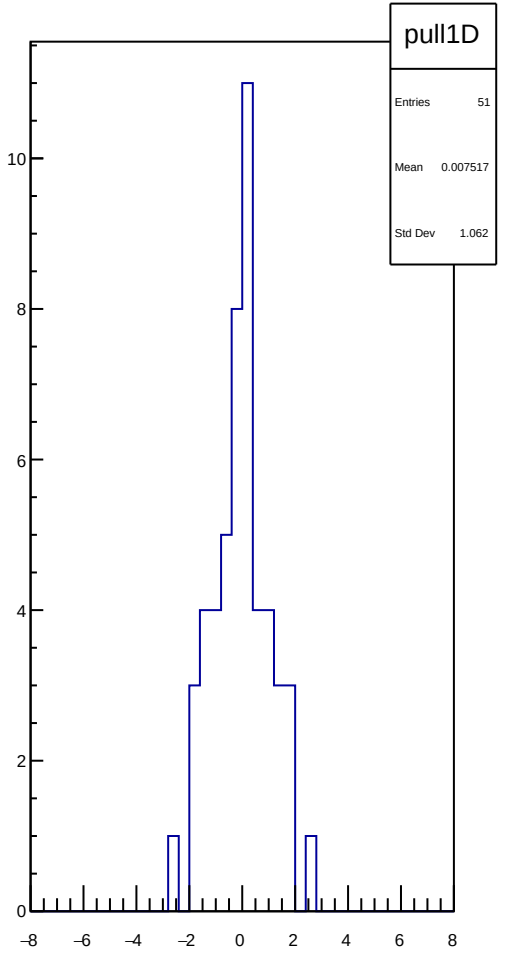

pull1D
Entries 51
Mean −0.007848
Std Dev 0.8857

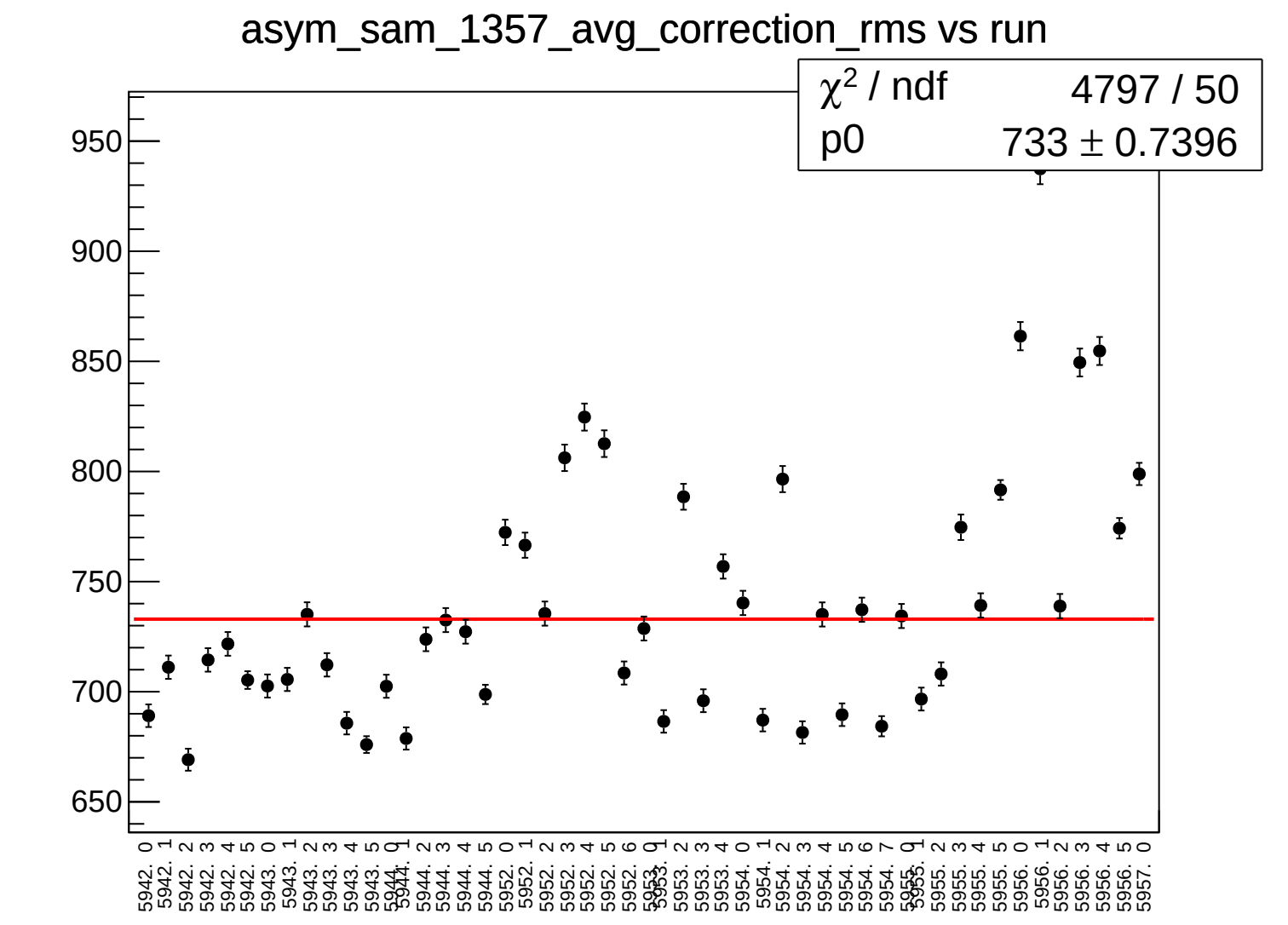

asym_sam_26_48_dd_rms vs run
χ² / ndf 1901 / 50
p0 614.6 ± 0.6192
700
680
660
640
620
600
580
560
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 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

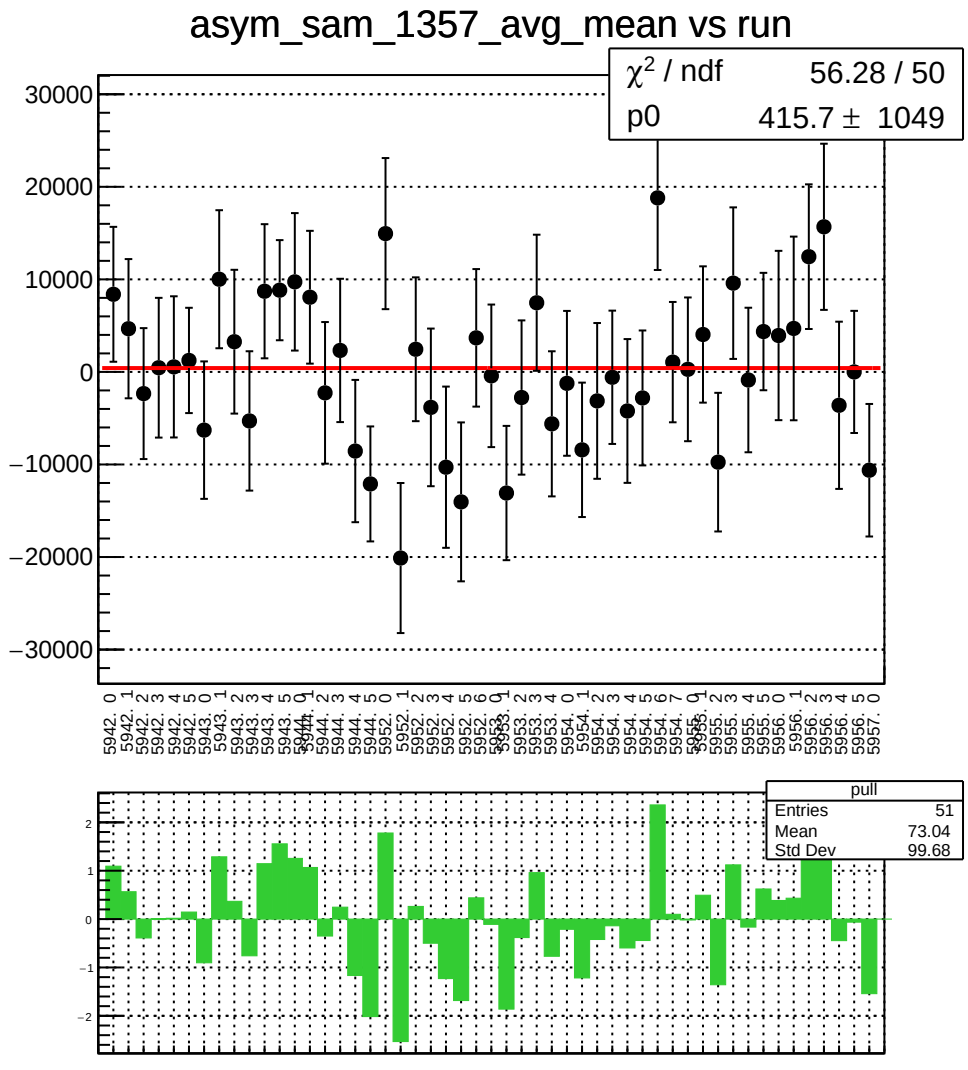

reg_asym_sam_1357_avg_mean vs run
χ² / ndf 52.39 / 50
p0 −115.4 ± 76.38
pull
Entries 51
Mean 45.68
Std Dev 42.08
pull1D
Entries 51
Mean 0.018
Std Dev 1.013

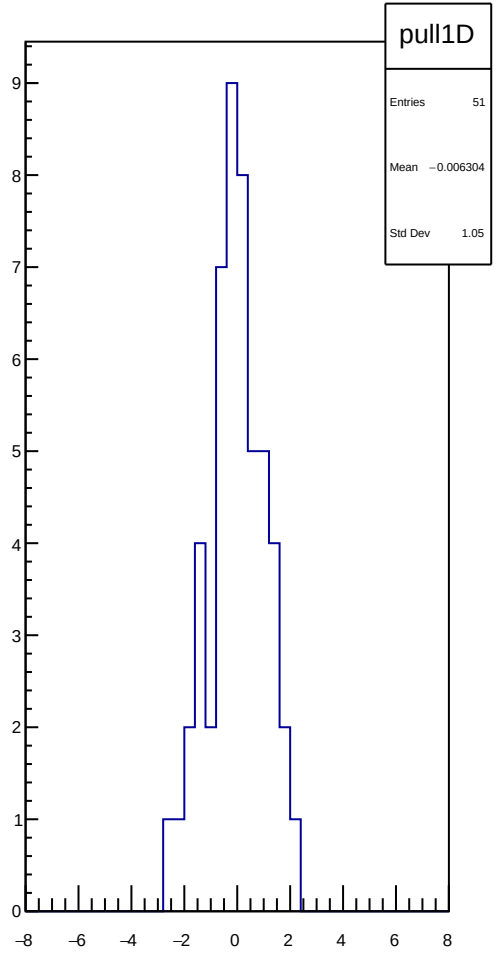

reg_asym_sam_1357_avg_rms vs run
χ^2 / ndf 1.078e+04 / 50
p0 53.37 ± 0.05401
110
100
90
80
70
60
50
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 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

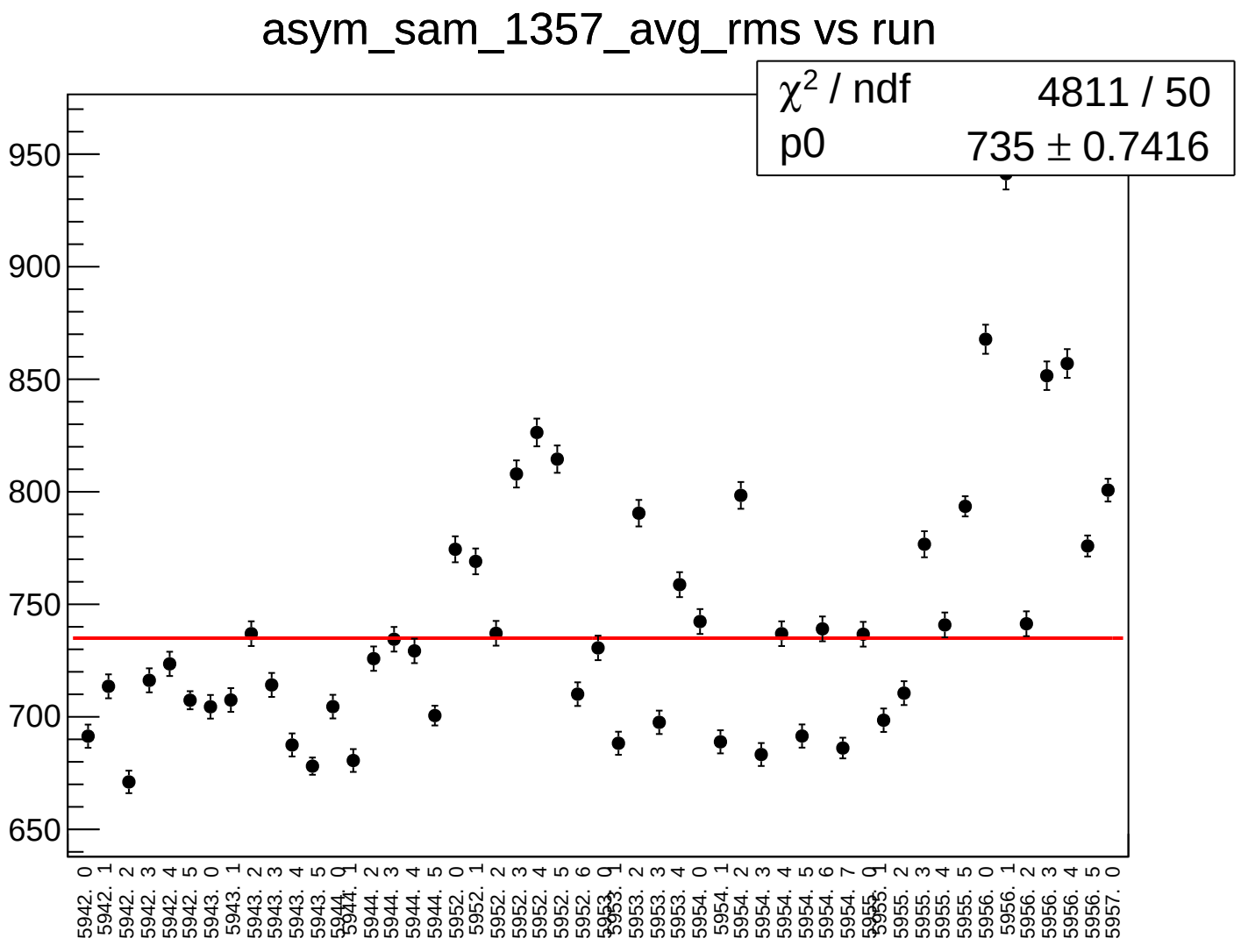

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 57.51 / 50
p0 −526.9 ± 1046
30000
20000
10000
0
−10000
−20000
−30000
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5952. 9
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
5956. 0
5957. 0
pull
Entries 51
Mean 72.18
Std Dev 94.26
2
1
0
−1
−2

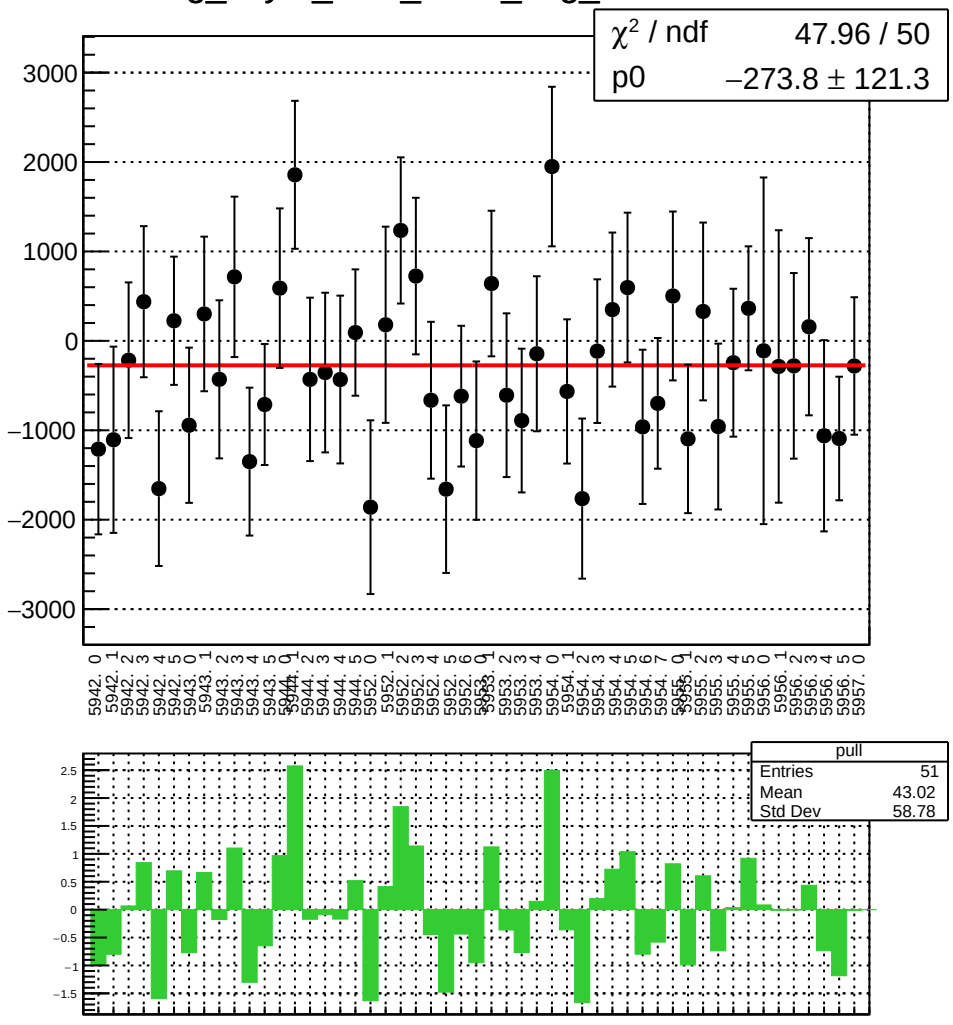

pull1D
Entries 51
Mean 0.007517
Std Dev 1.062
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

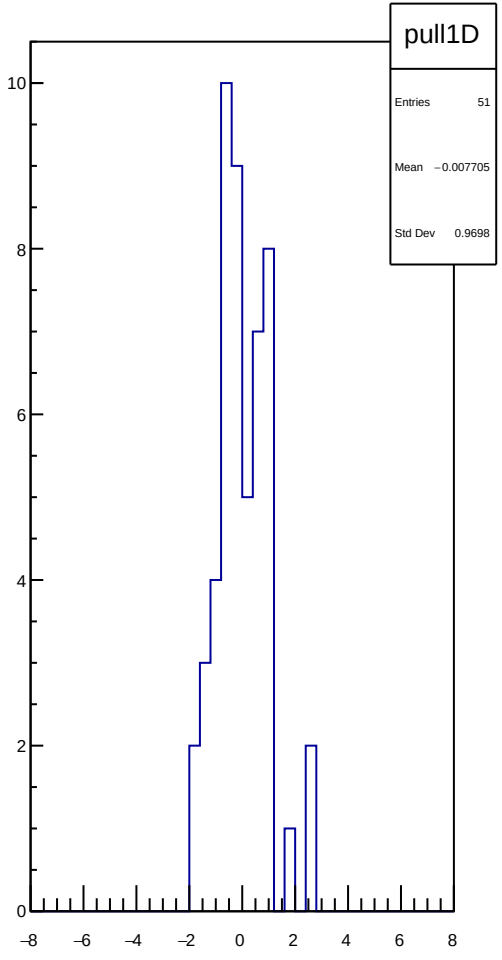

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 4797 / 50
p0 733 ± 0.7396
950
900
850
800
750
700
650
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 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

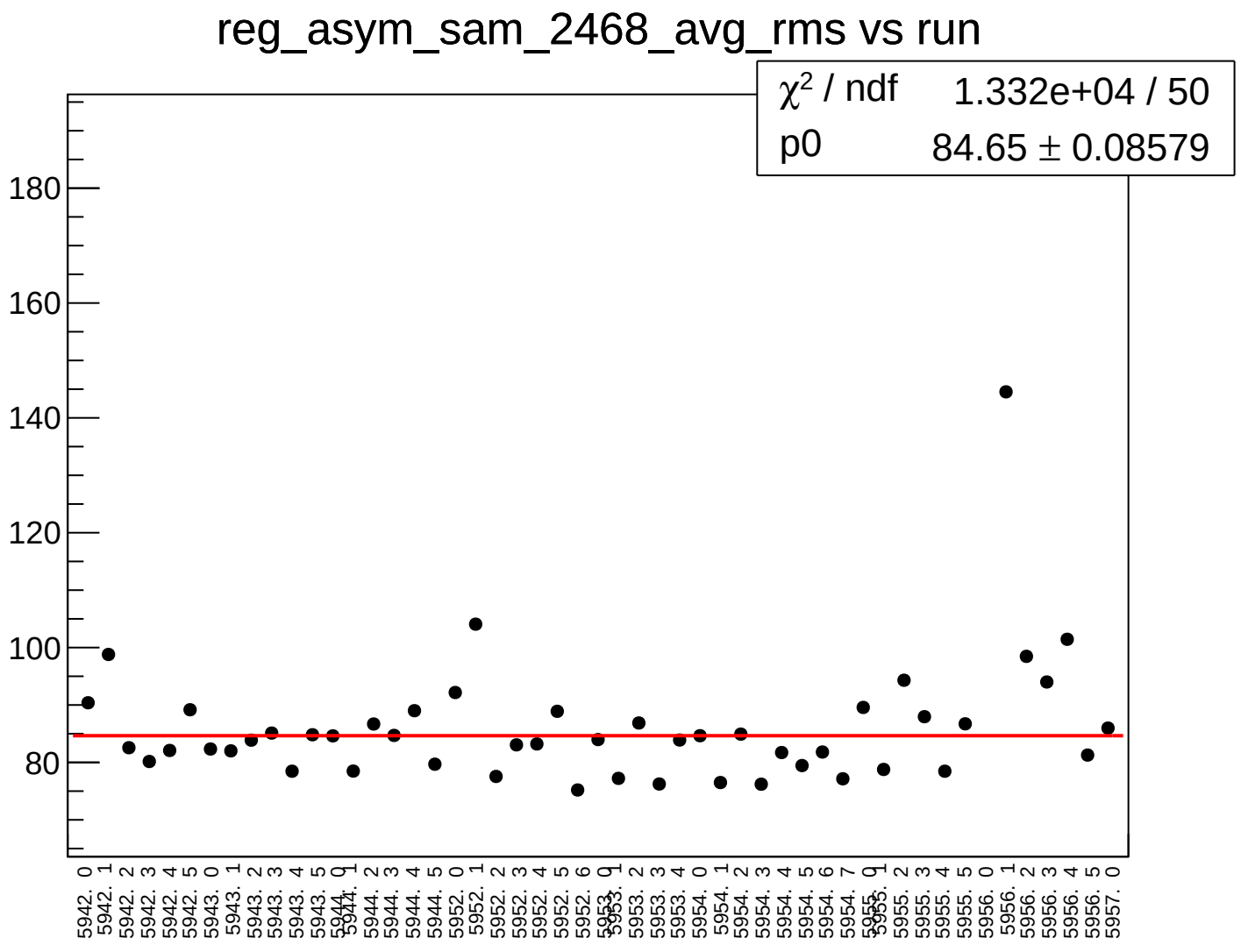

asym_sam_1357_avg_mean vs run
χ² / ndf 56.28 / 50
p0 415.7 ± 1049
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 51
Mean 73.04
Std Dev 99.68
2
1
0
−1
−2

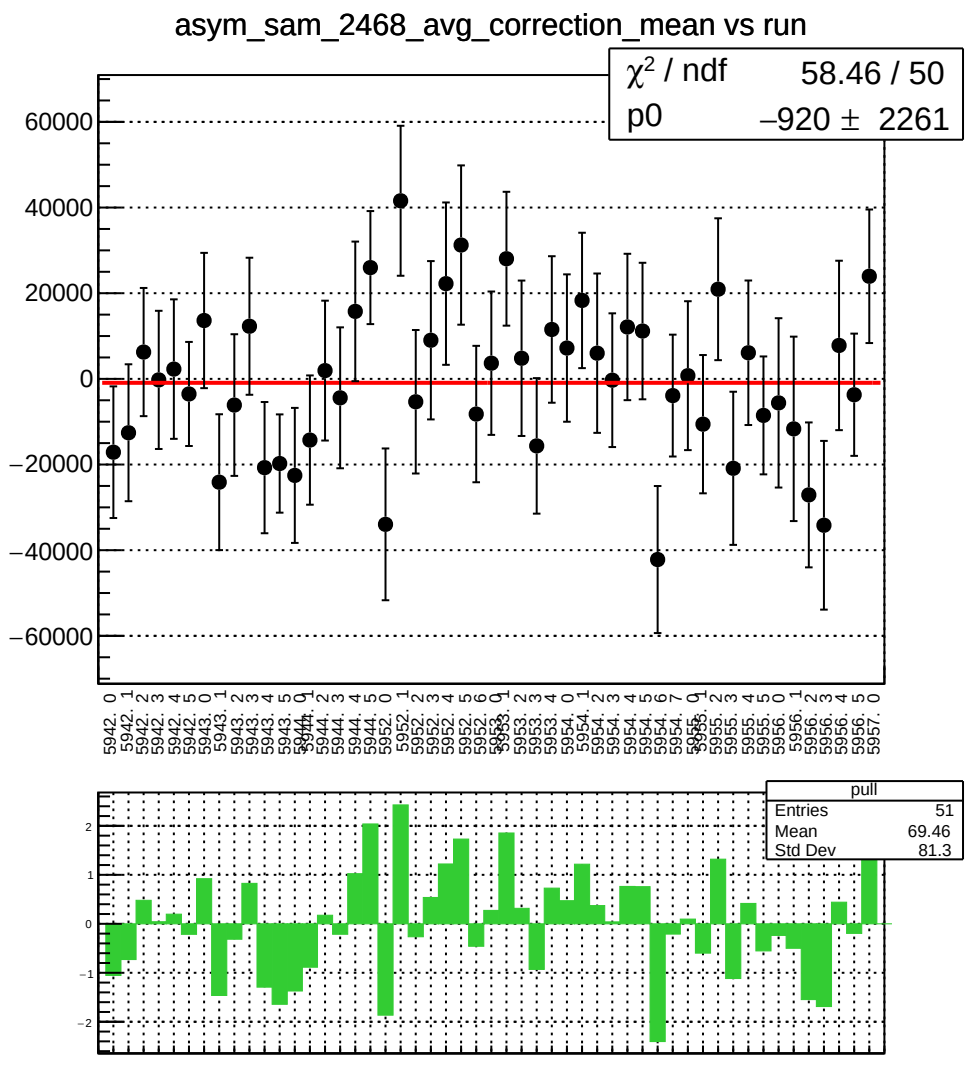

pull1D
Entries 51
Mean −0.006304
Std Dev 1.05
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

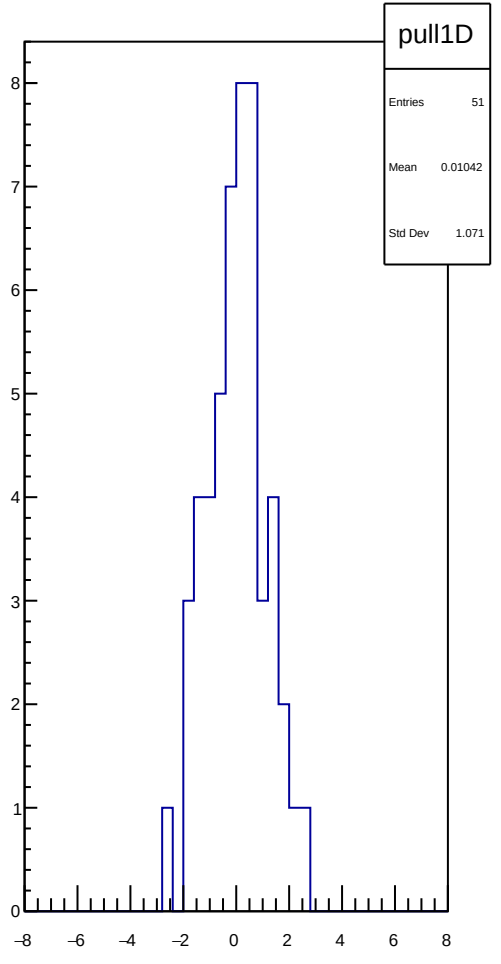

asym_sam_1357_avg_rms vs run
χ² / ndf 4811 / 50
p0 735 ± 0.7416
950
900
850
800
750
700
650
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 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

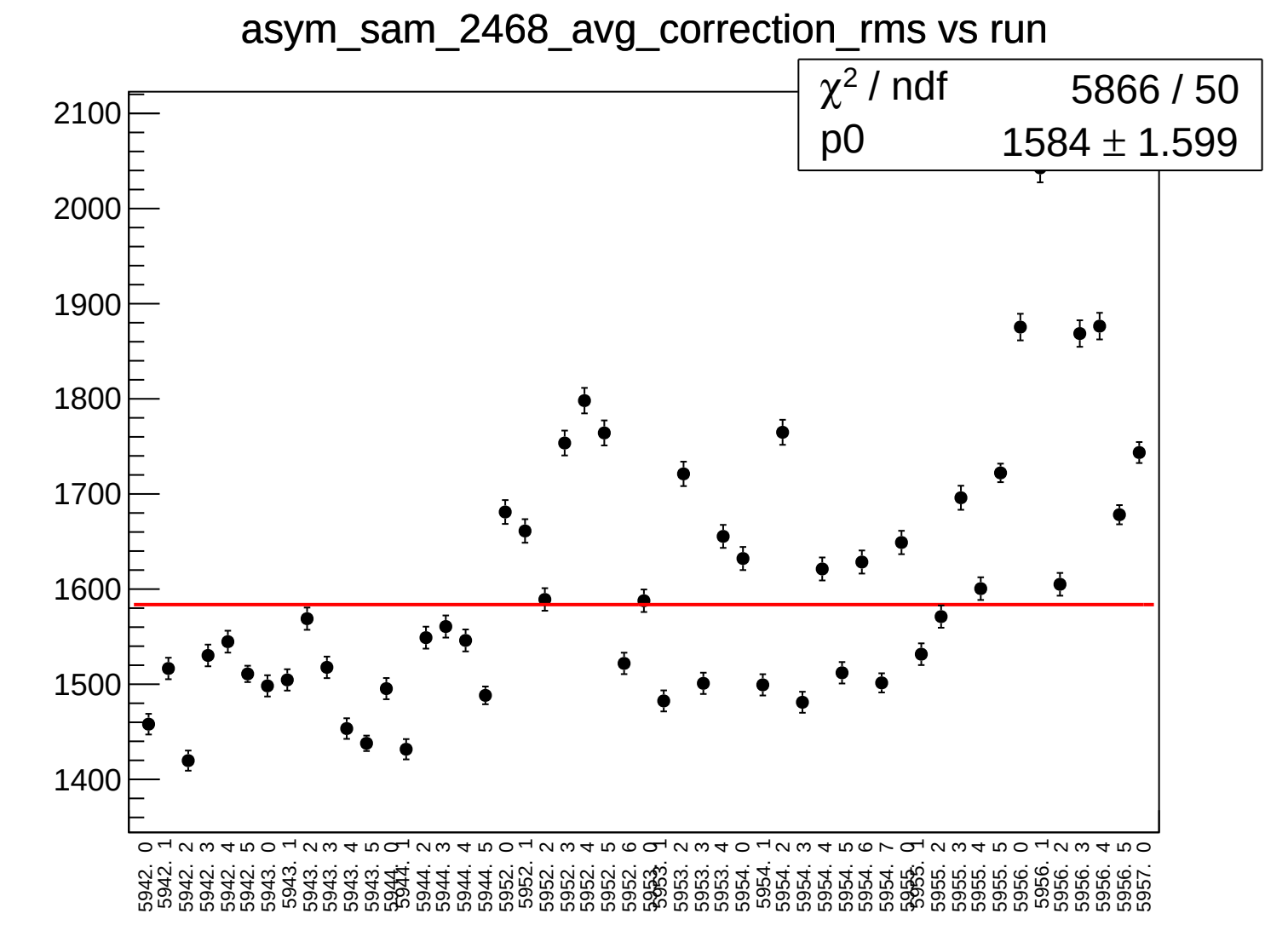

reg_asym_sam_2468_avg_mean vs run
χ² / ndf 47.96 / 50
p0 −273.8 ± 121.3
pull
Entries 51
Mean 43.02
Std Dev 58.78

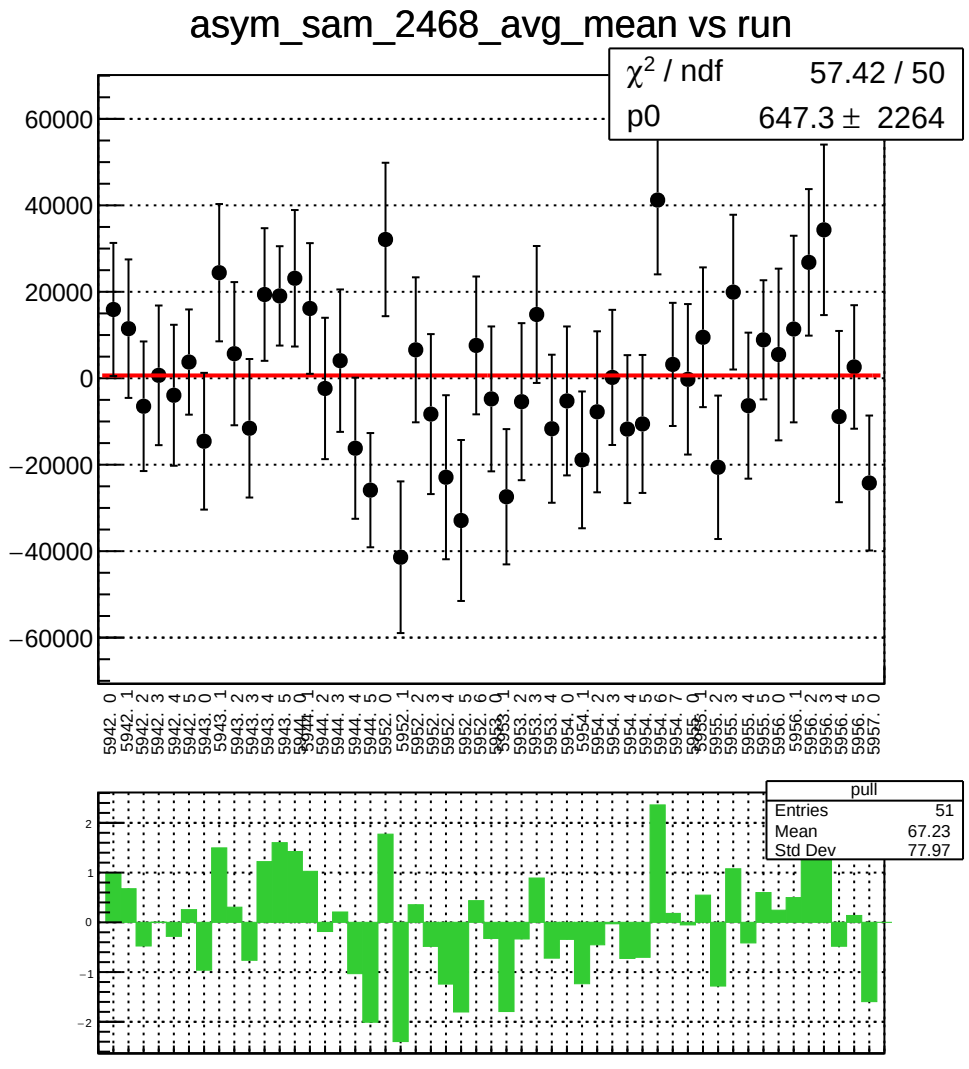

pull1D
Entries 51
Mean −0.007705
Std Dev 0.9698

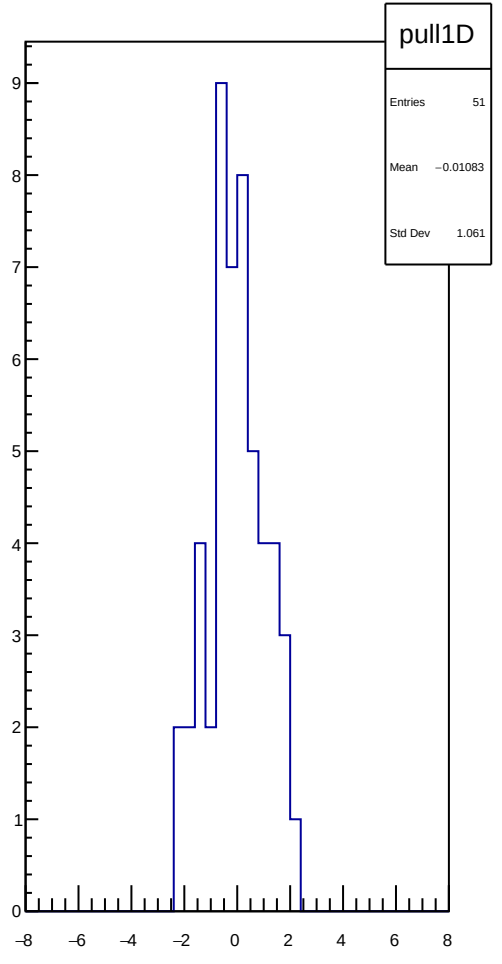

reg_asym_sam_2468_avg_rms vs run
χ² / ndf 1.332e+04 / 50
p0 84.65 ± 0.08579
180
160
140
120
100
80
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 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

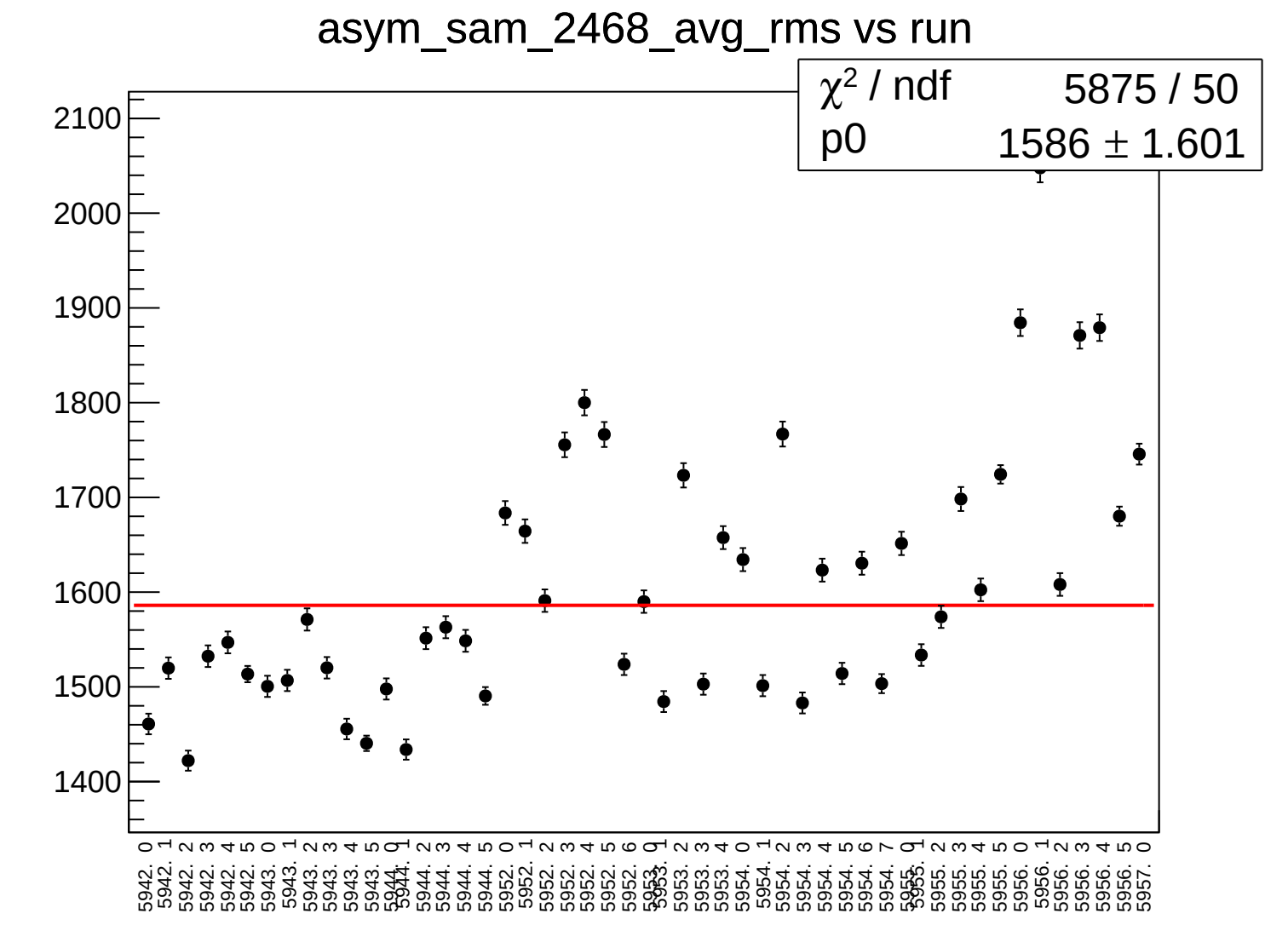

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 58.46 / 50
p0 −920 ± 2261
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 51
Mean 69.46
Std Dev 81.3
2
1
0
−1
−2

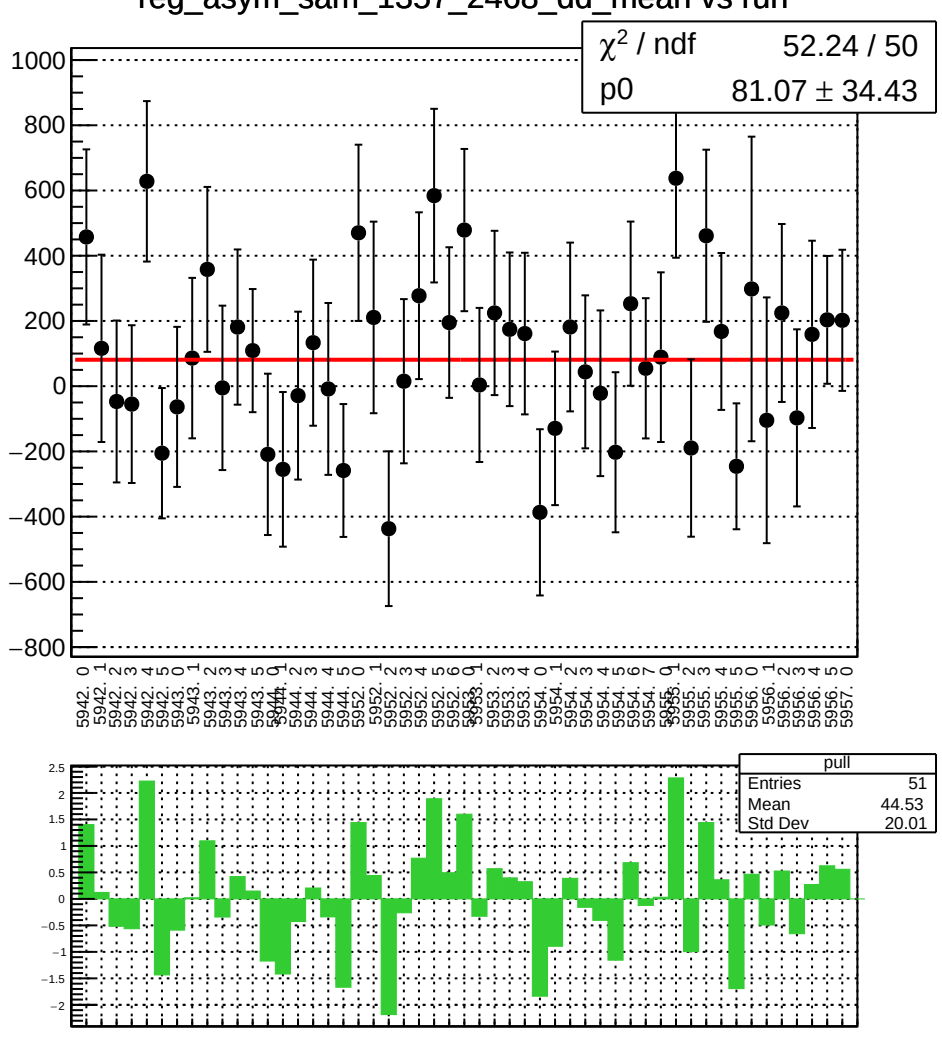

pull1D
Entries 51
Mean 0.01042
Std Dev 1.071
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

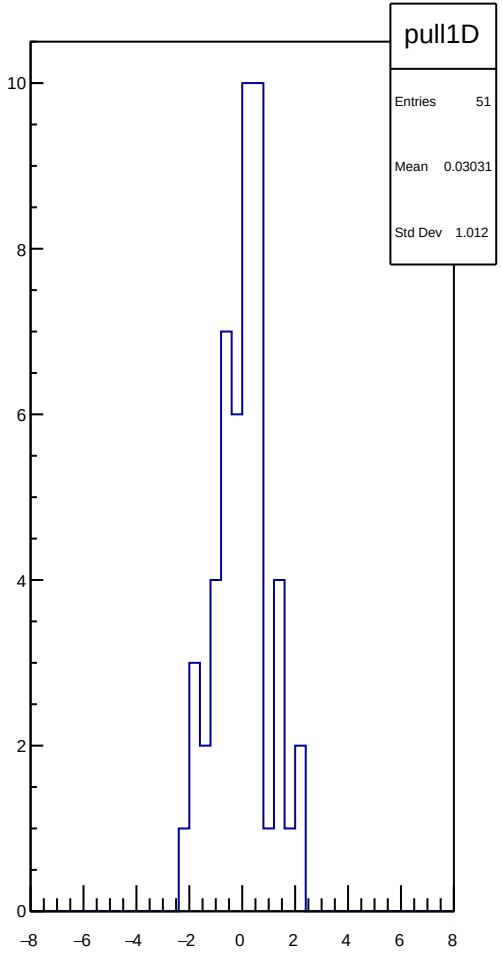

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 5866 / 50
p0 1584 ± 1.599
2100
2000
1900
1800
1700
1600
1500
1400
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 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

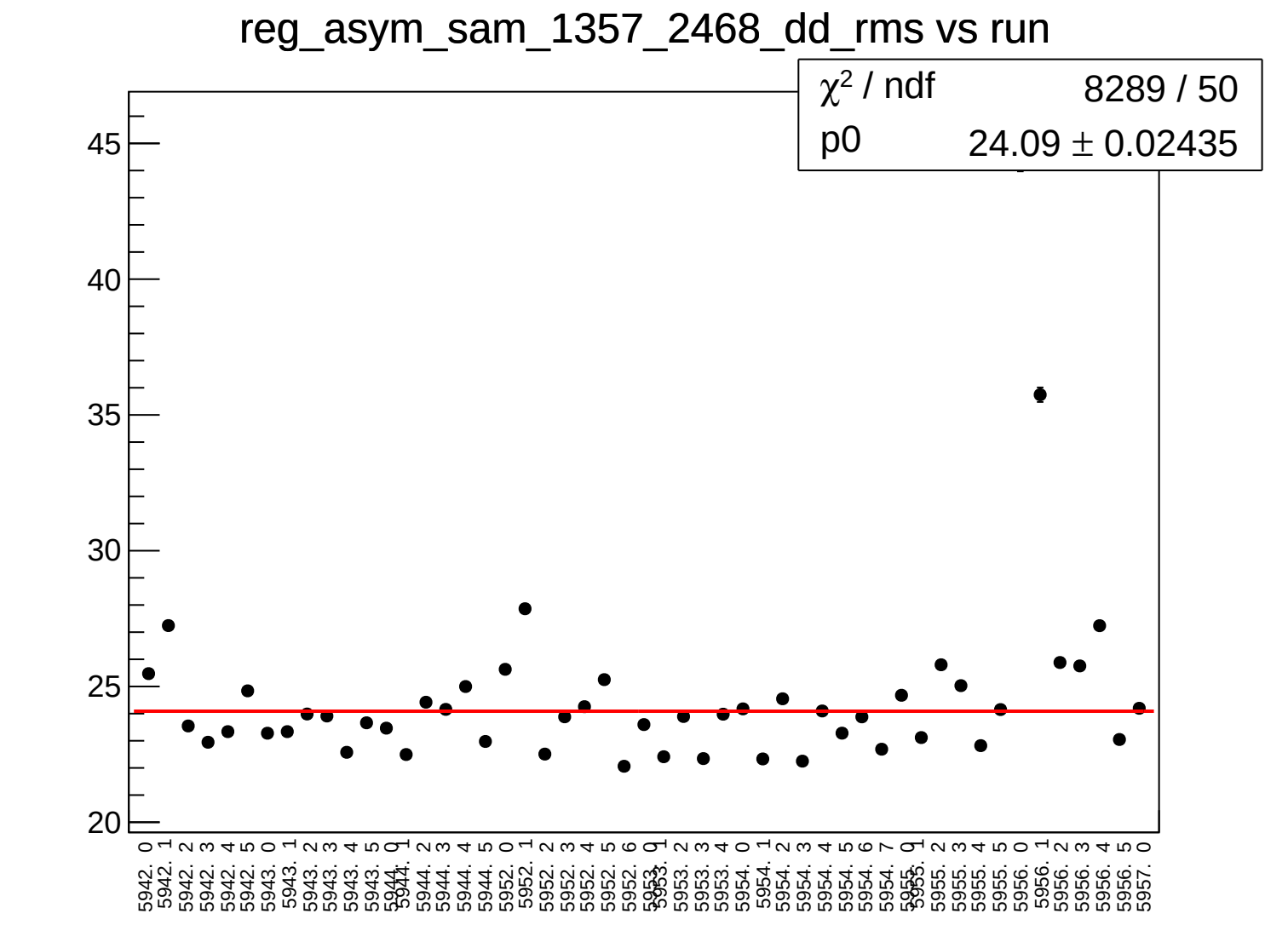

asym_sam_2468_avg_mean vs run
χ² / ndf 57.42 / 50
p0 647.3 ± 2264
60000
40000
20000
0
−20000
−40000
−60000
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5952. 9
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
pull
Entries 51
Mean 67.23
Std Dev 77.97
2
1
0
−1
−2

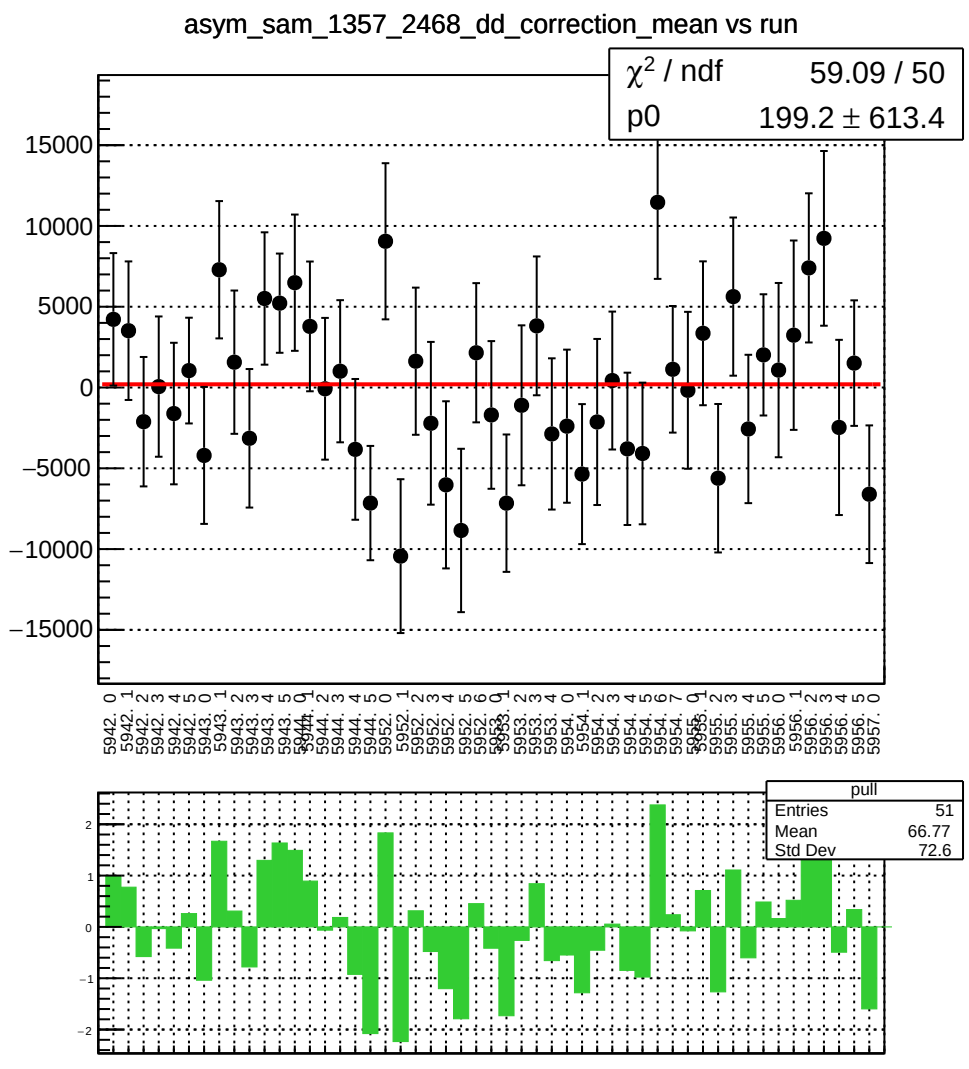

pull1D
Entries 51
Mean −0.01083
Std Dev 1.061
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

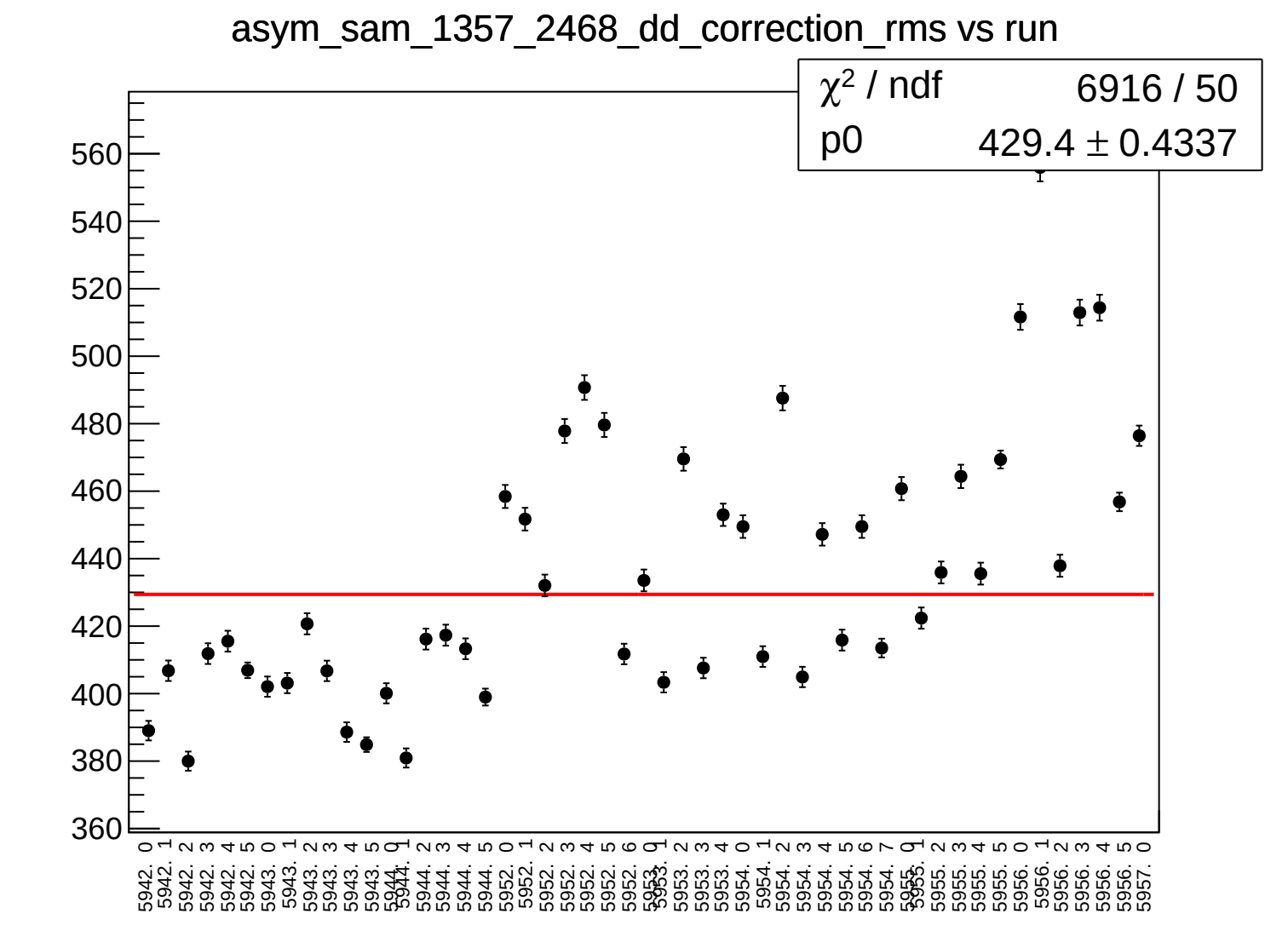

asym_sam_2468_avg_rms vs run
χ^2 / ndf 5875 / 50
p0 1586 ± 1.601
2100
2000
1900
1800
1700
1600
1500
1400
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 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

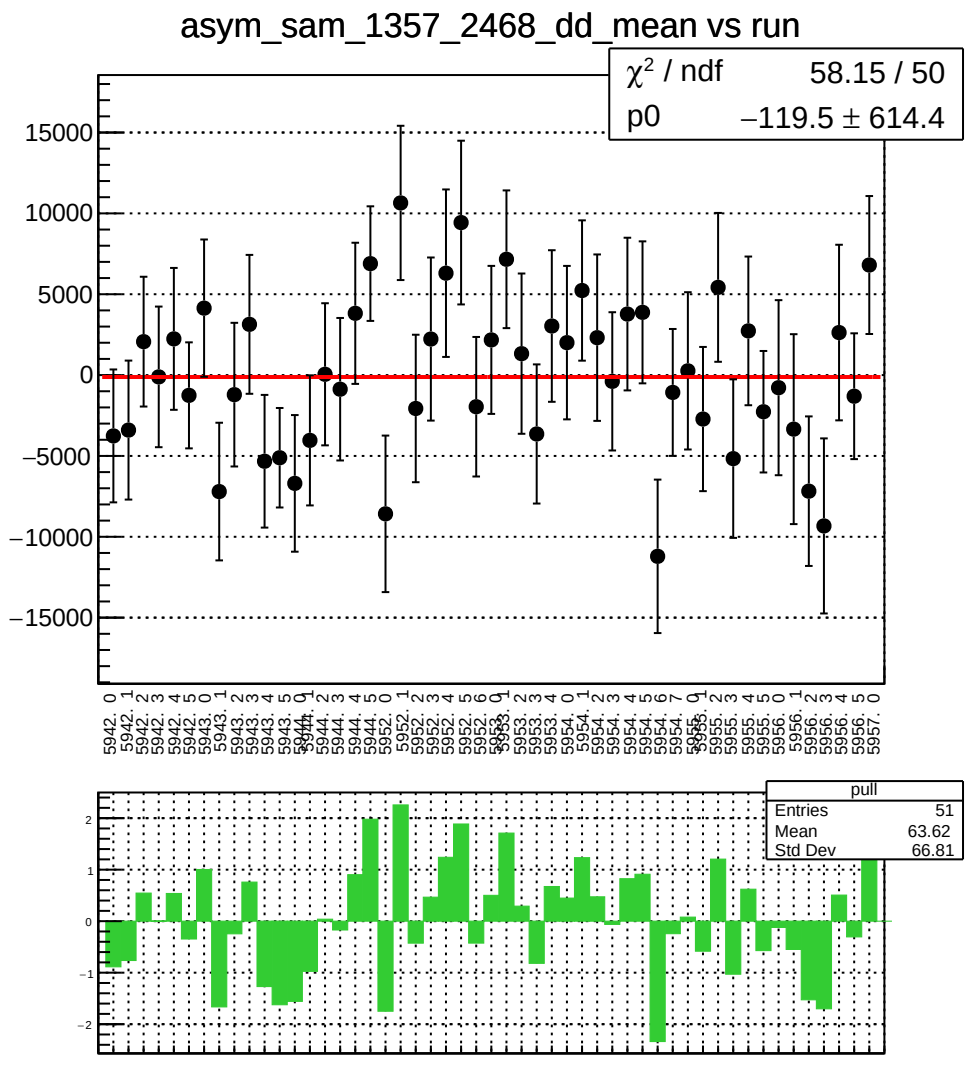

reg_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 52.24 / 50
p0 81.07 ± 34.43
pull
Entries 51
Mean 44.53
Std Dev 20.01

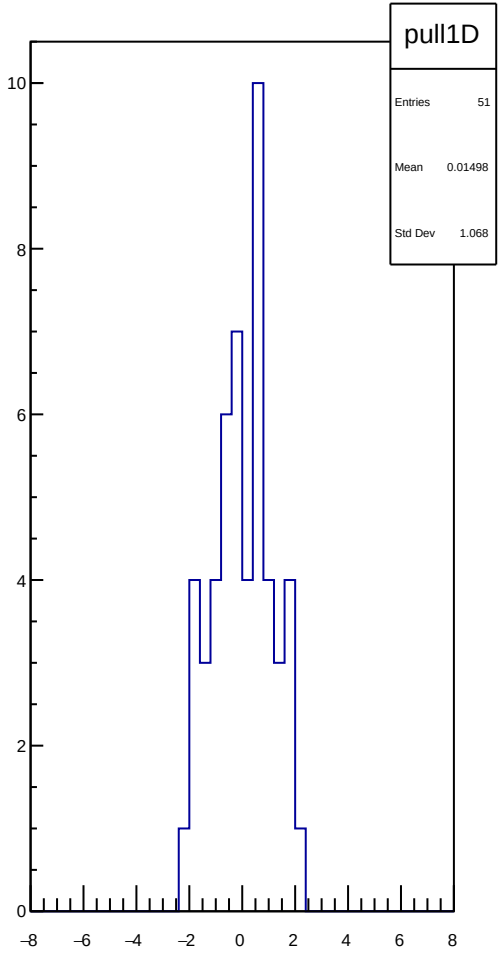

pull1D
Entries 51
Mean 0.03031
Std Dev 1.012

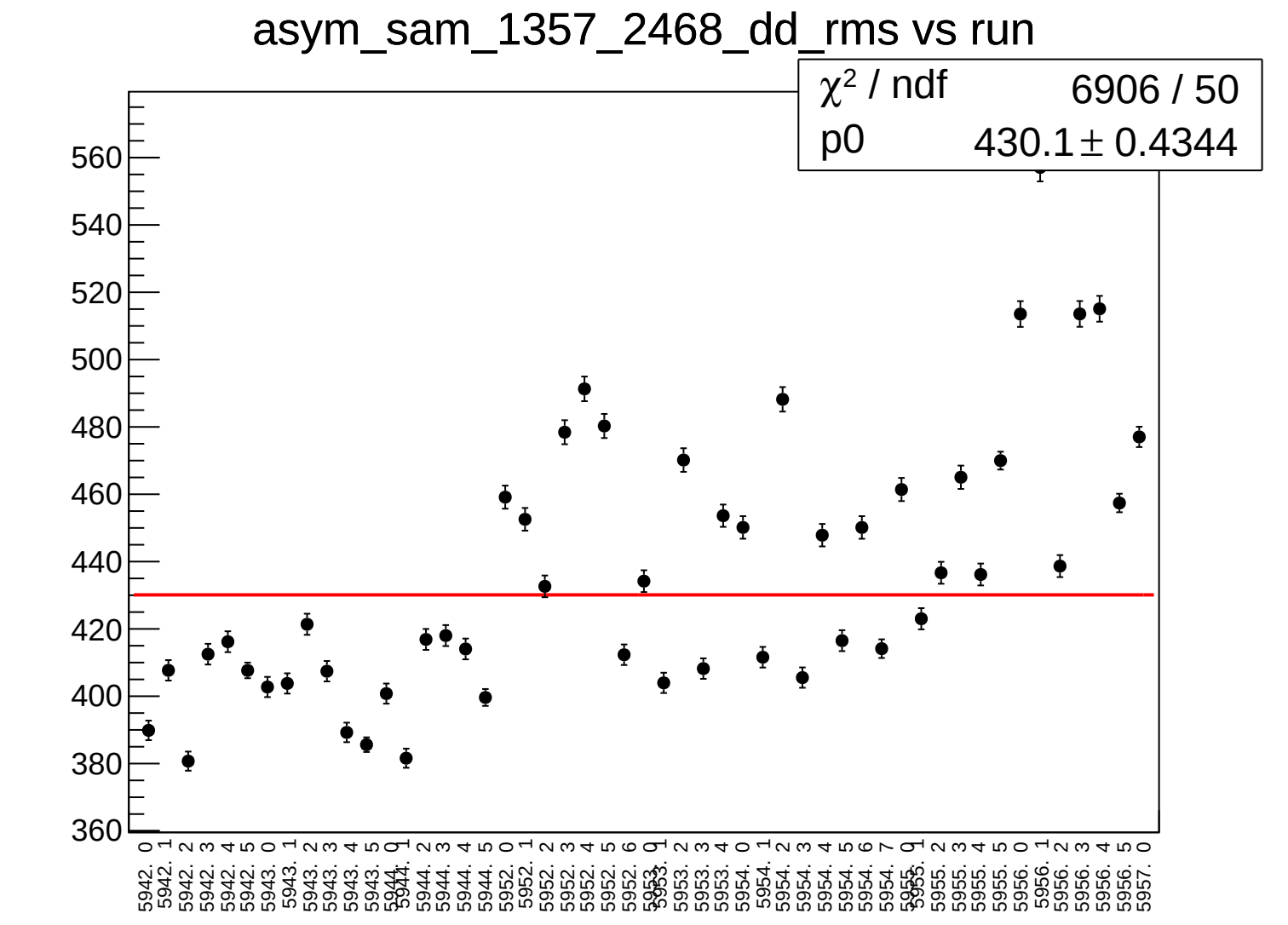

reg_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 8289 / 50
p0 24.09 ± 0.02435
45
40
35
30
25
20
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
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

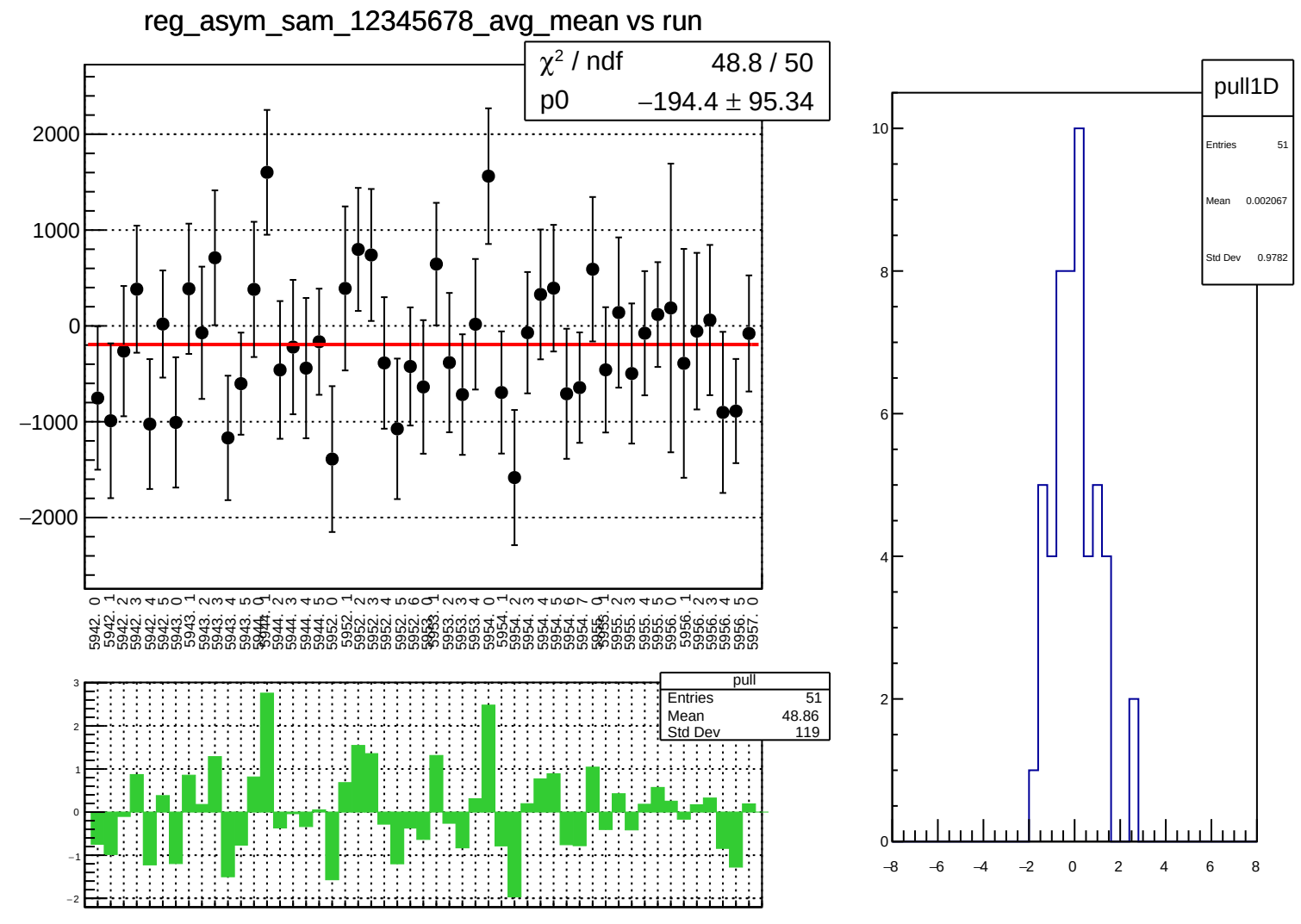

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 59.09 / 50
p0 199.2 ± 613.4
15000
10000
5000
0
−5000
−10000
−15000
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5952. 9
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
pull
Entries 51
Mean 66.77
Std Dev 72.6
2
1
0
−1
−2
pull1D
Entries 51
Mean −0.01308
Std Dev 1.076
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

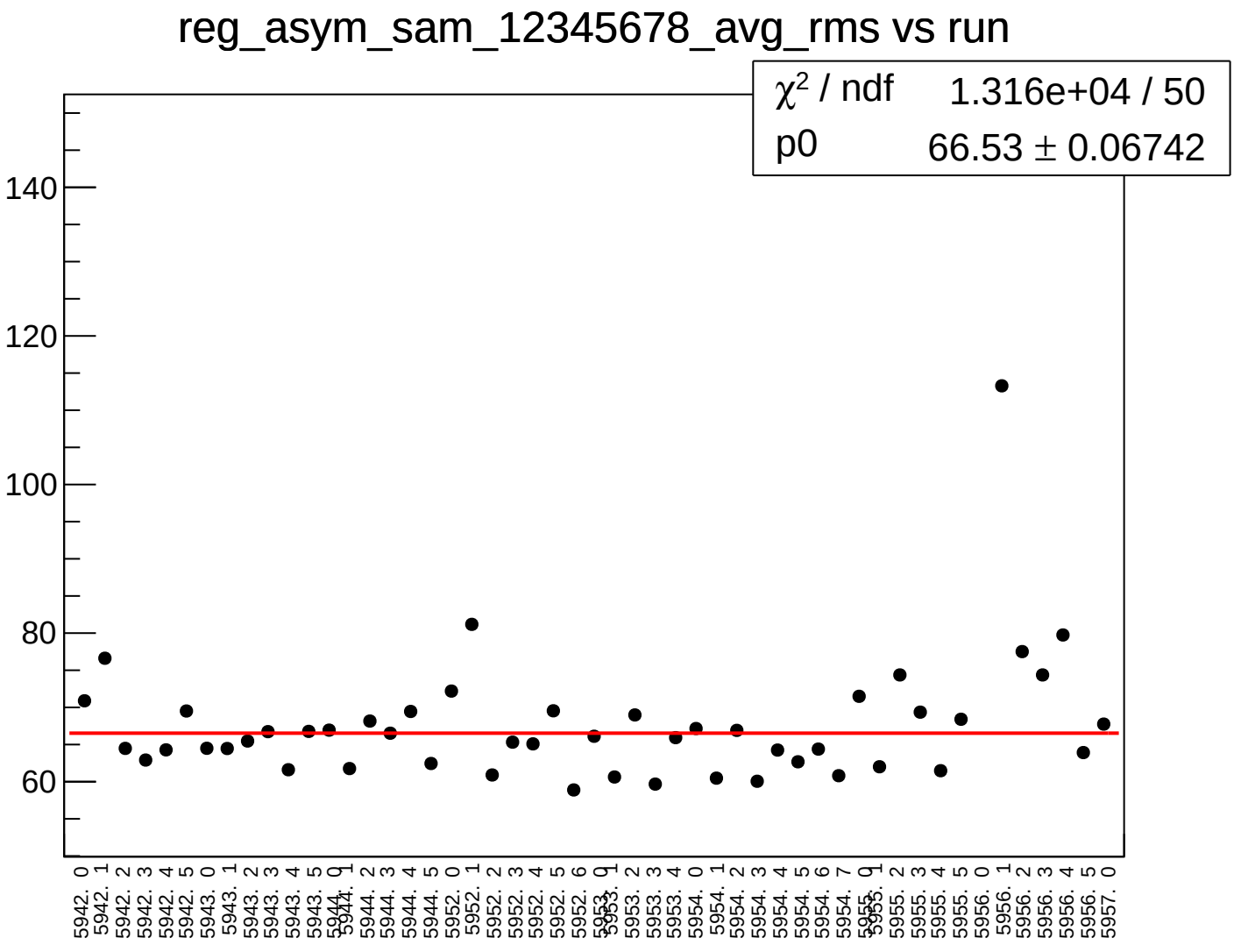

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 6916 / 50
p0 429.4 ± 0.4337
560
540
520
500
480
460
440
420
400
380
360
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
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_1357_2468_dd_mean vs run
χ² / ndf 58.15 / 50
p0 −119.5 ± 614.4
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 51
Mean 63.62
Std Dev 66.81
2
1
0
−1
−2

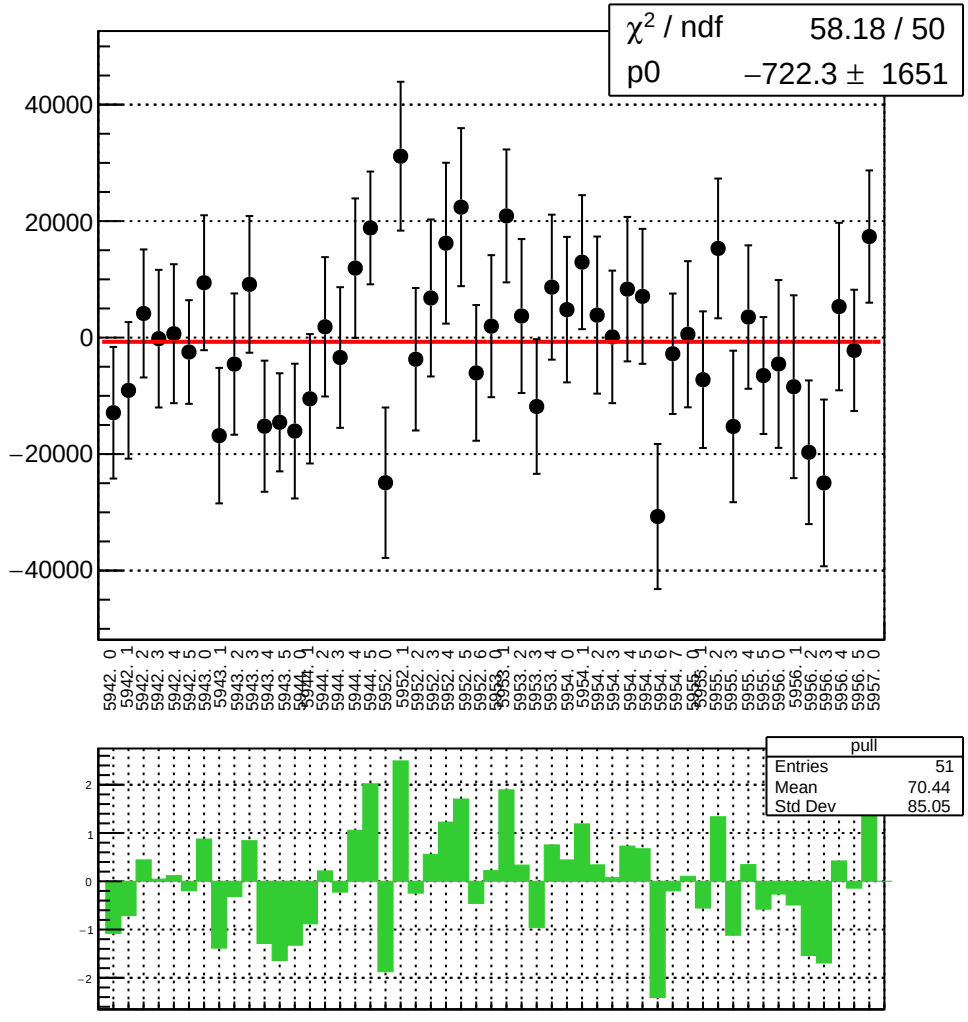

pull1D
Entries 51
Mean 0.01498
Std Dev 1.068
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

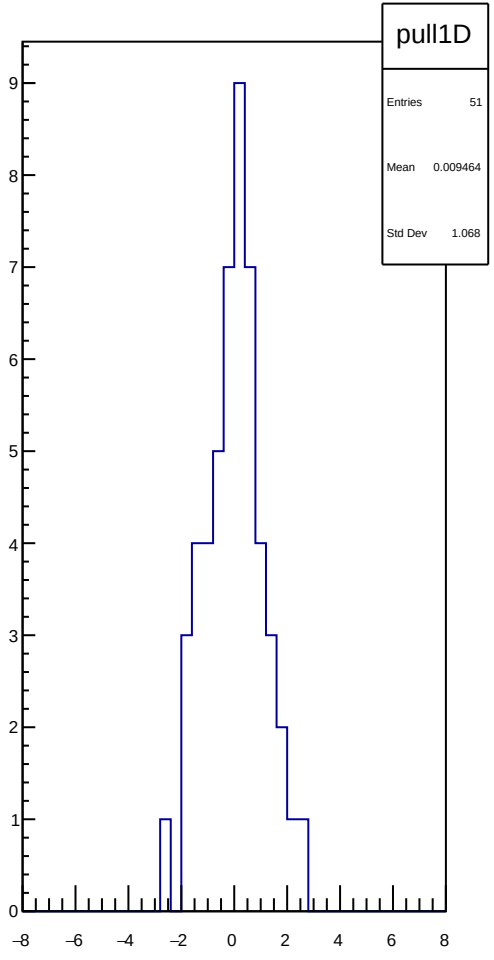

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 6906 / 50
p0 430.1 ± 0.4344
560
540
520
500
480
460
440
420
400
380
360
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 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

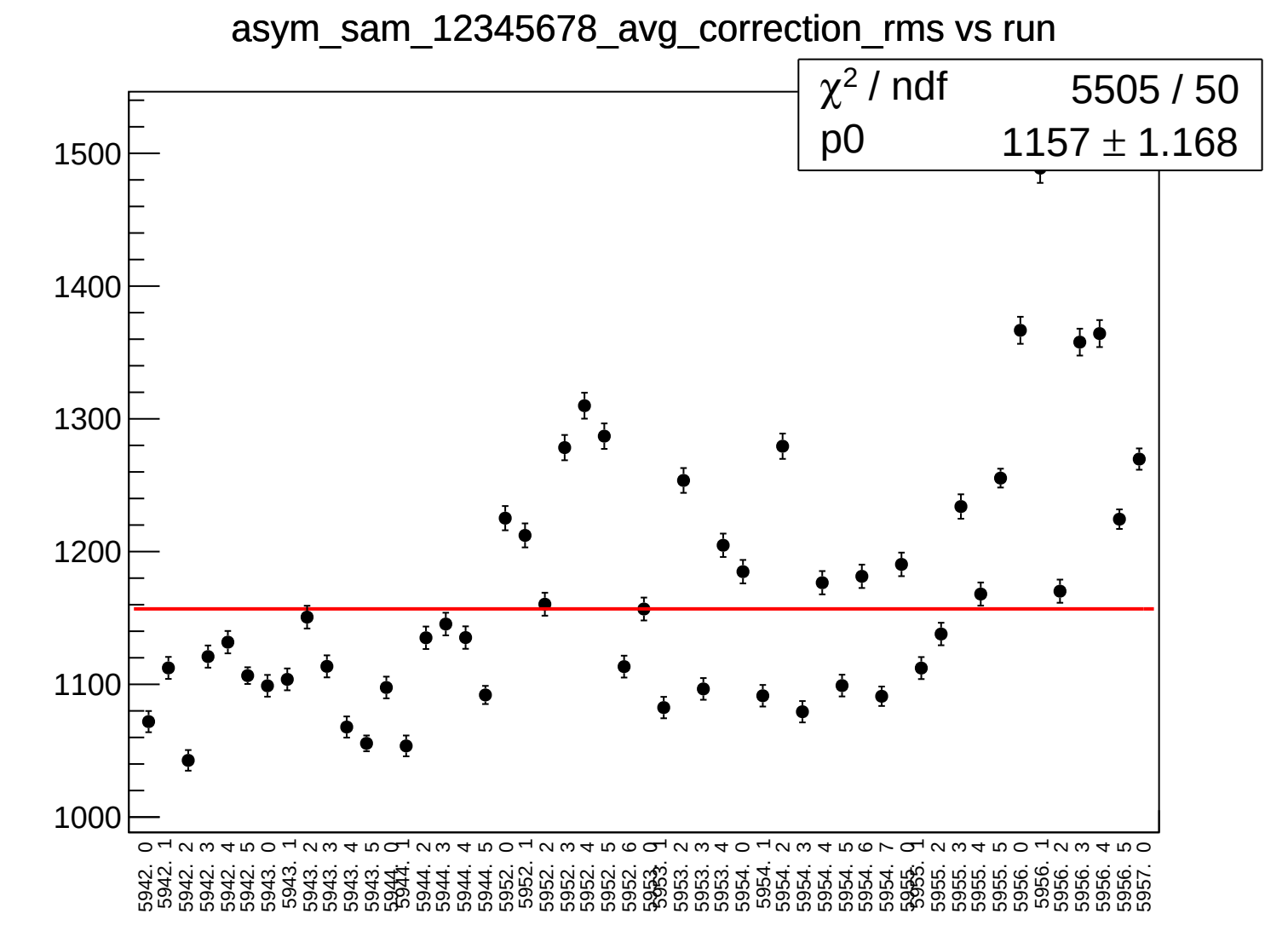

reg_asym_sam_12345678_avg_mean vs run
χ² / ndf 48.8 / 50
p0 −194.4 ± 95.34
pull
Entries 51
Mean 48.86
Std Dev 119
pull1D
Entries 51
Mean 0.002067
Std Dev 0.9782

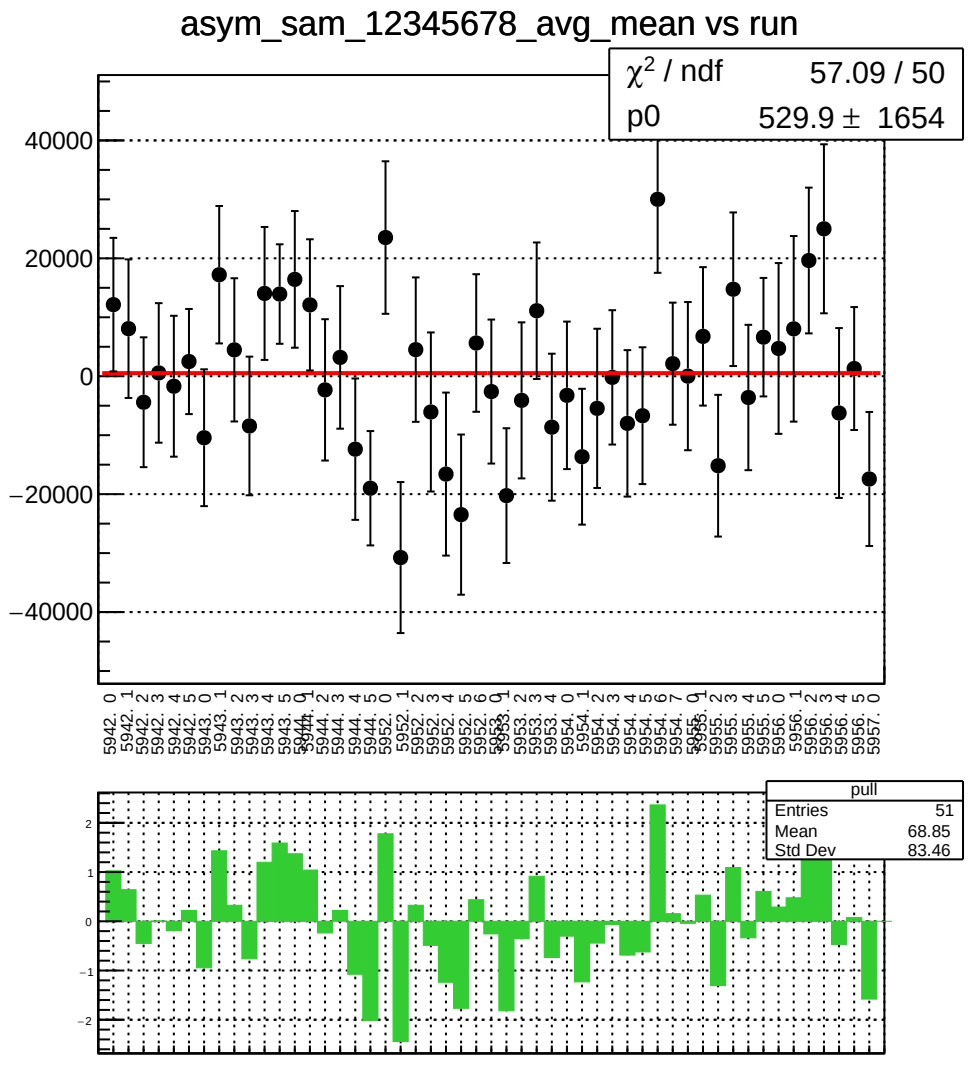

reg_asym_sam_12345678_avg_rms vs run
χ² / ndf 1.316e+04 / 50
p0 66.53 ± 0.06742
140
120
100
80
60
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 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

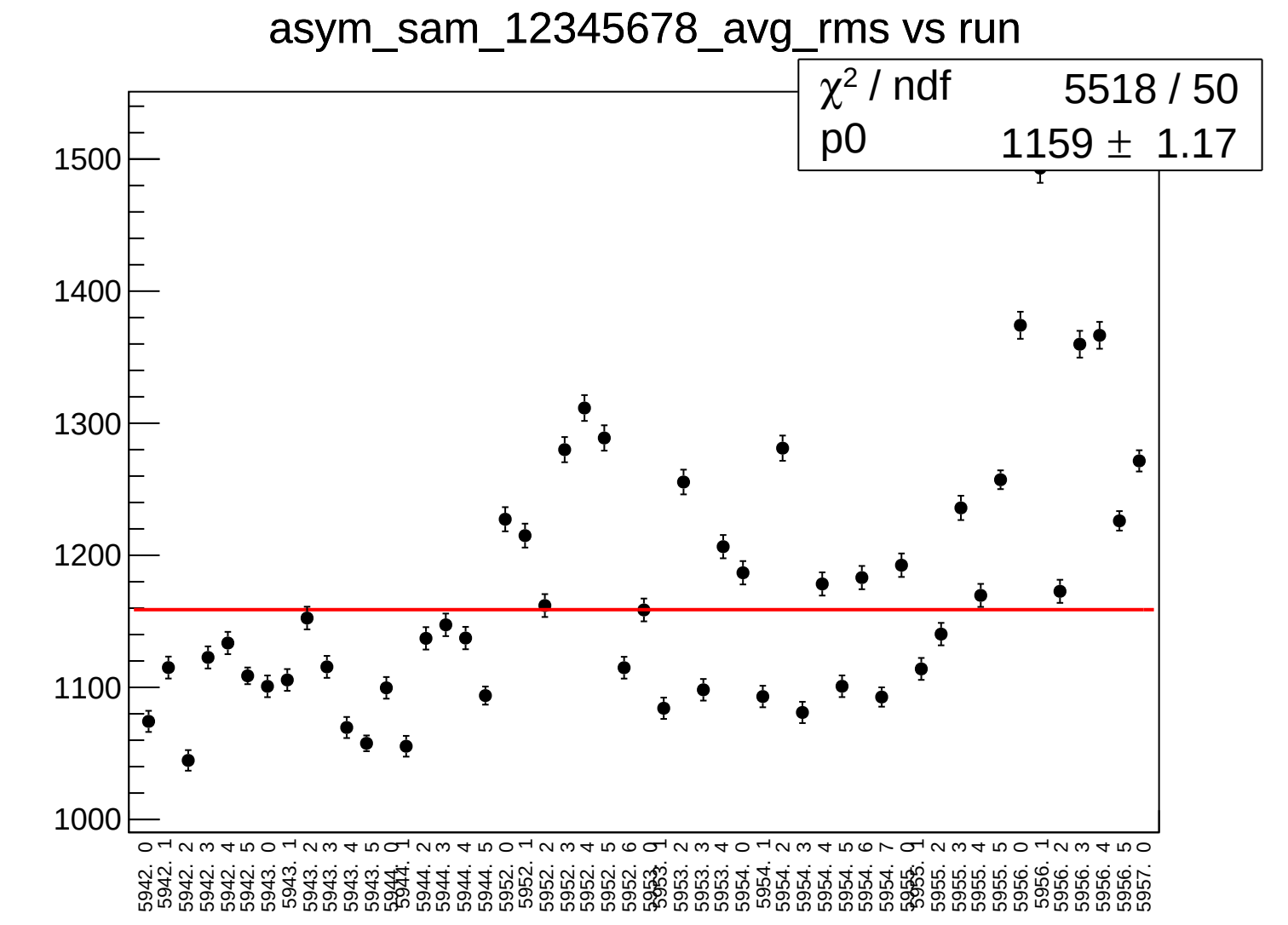
asym_sam_12345678_avg_correction_mean vs run

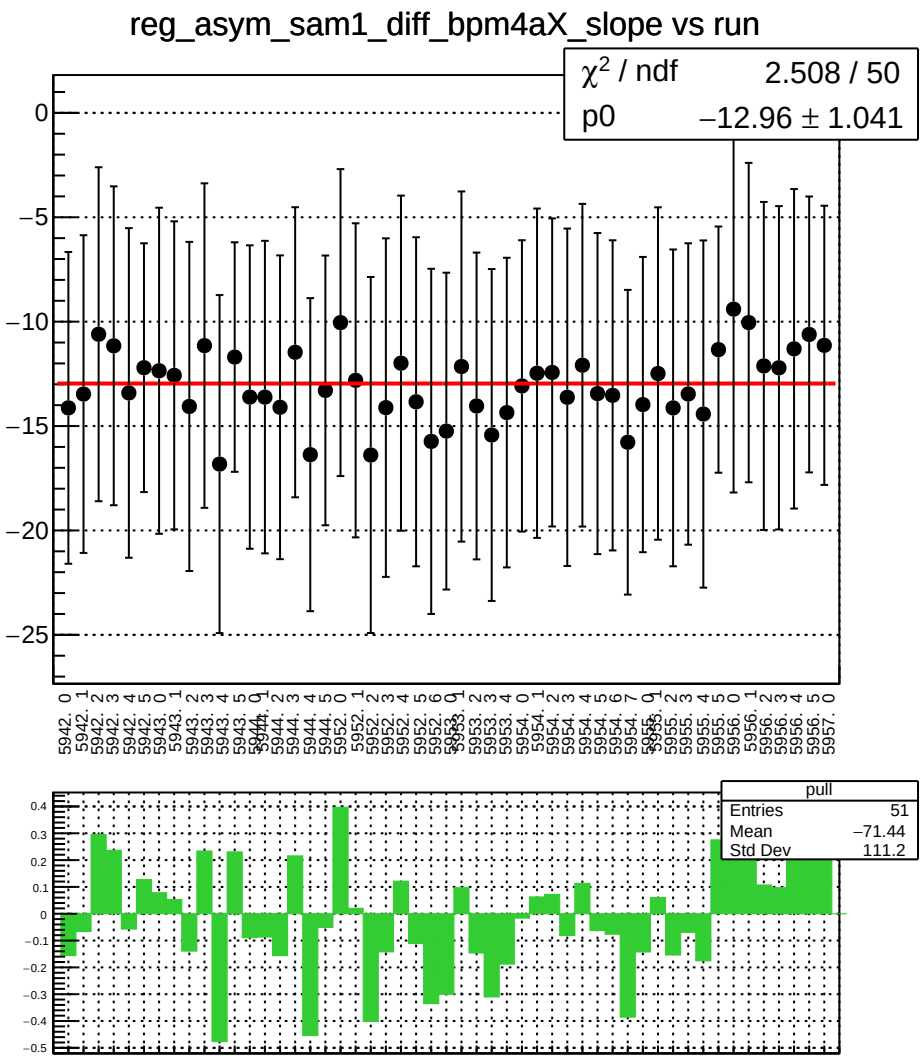


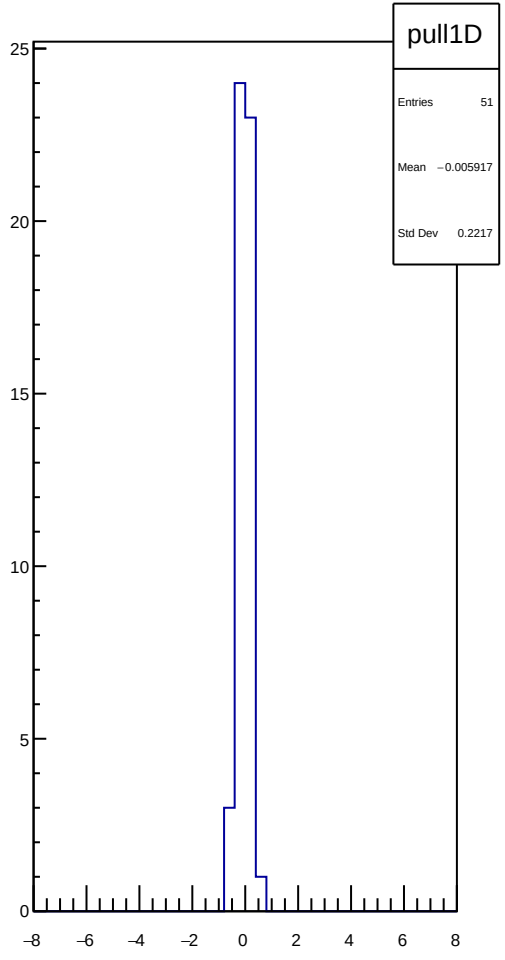


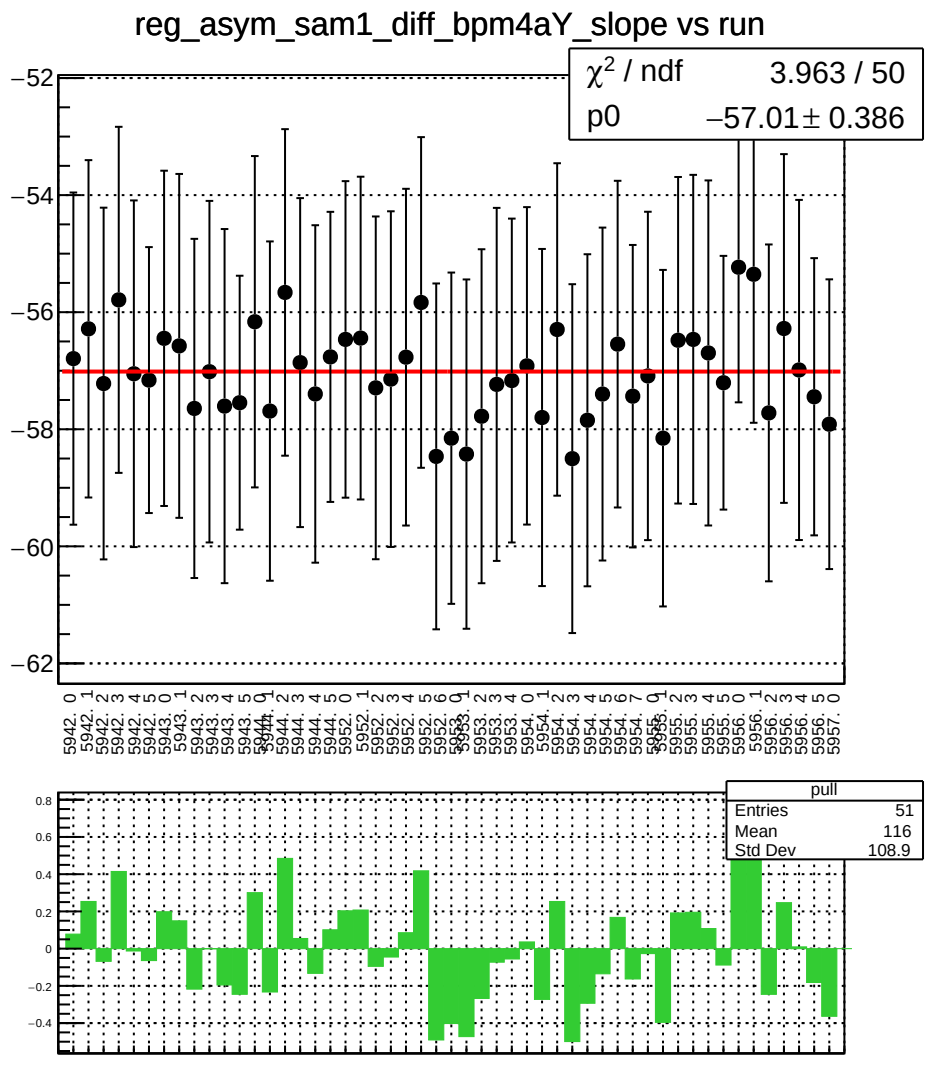

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 5505 / 50
p0 1157 ± 1.168
1500
1400
1300
1200
1100
1000
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
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

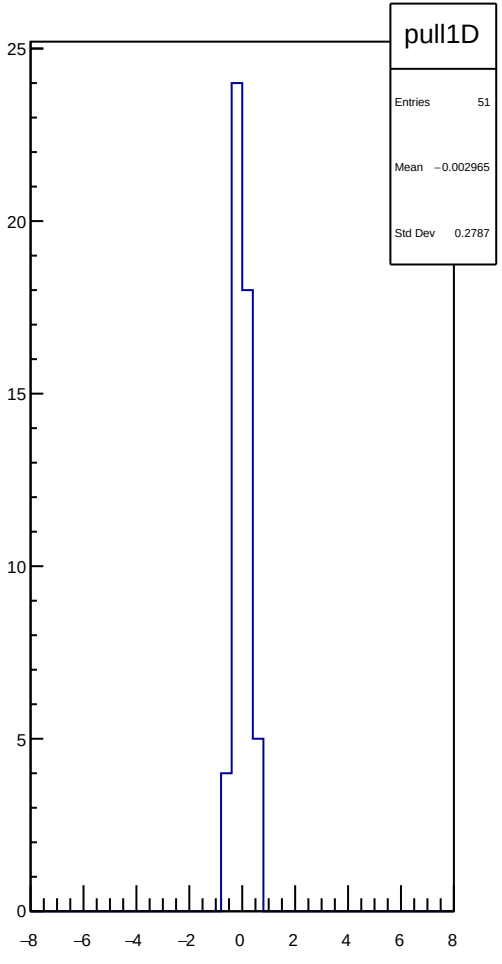

asym_sam_12345678_avg_mean vs run
χ² / ndf 57.09 / 50
p0 529.9 ± 1654
40000
20000
0
−20000
−40000
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5952. 9
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
pull
Entries 51
Mean 68.85
Std Dev 83.46
2
1
0
−1
−2
pull1D
Entries 51
Mean −0.009343
Std Dev 1.058
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

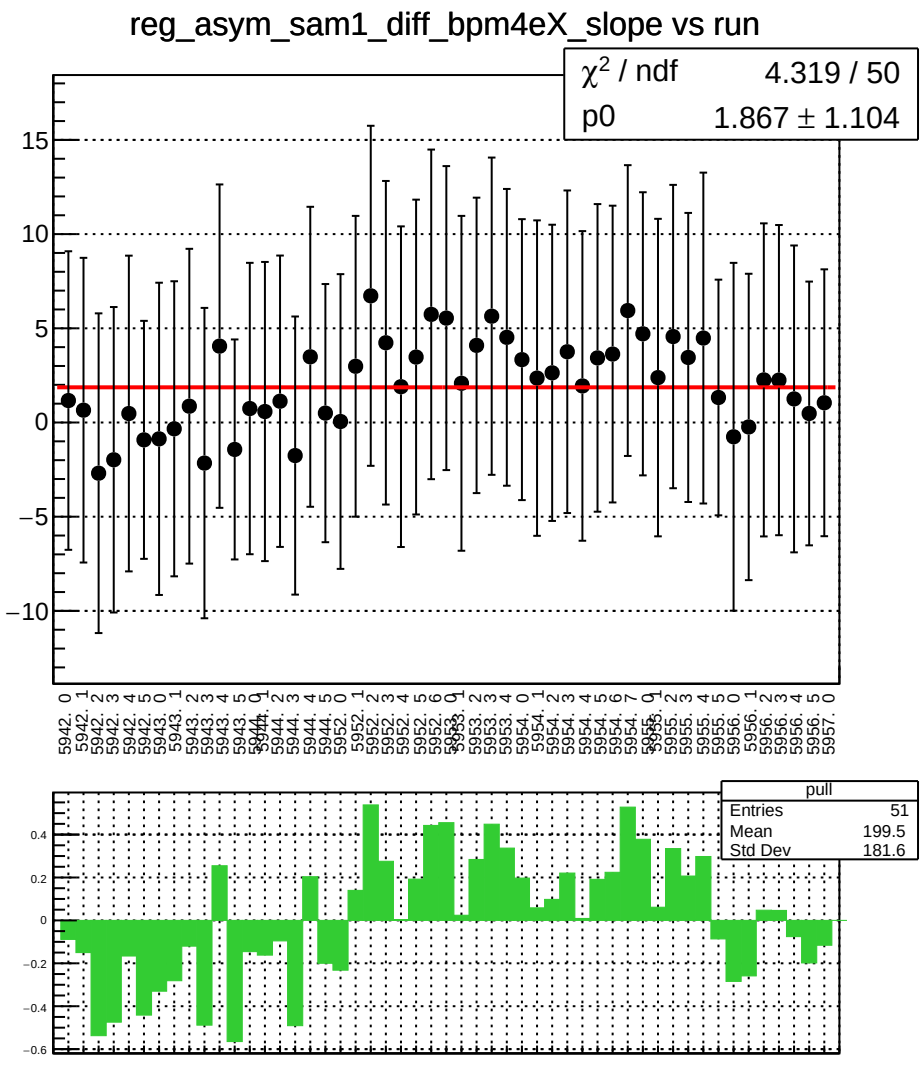

asym_sam_12345678_avg_rms vs run
χ² / ndf 5518 / 50
p0 1159 ± 1.17
1500
1400
1300
1200
1100
1000
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 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

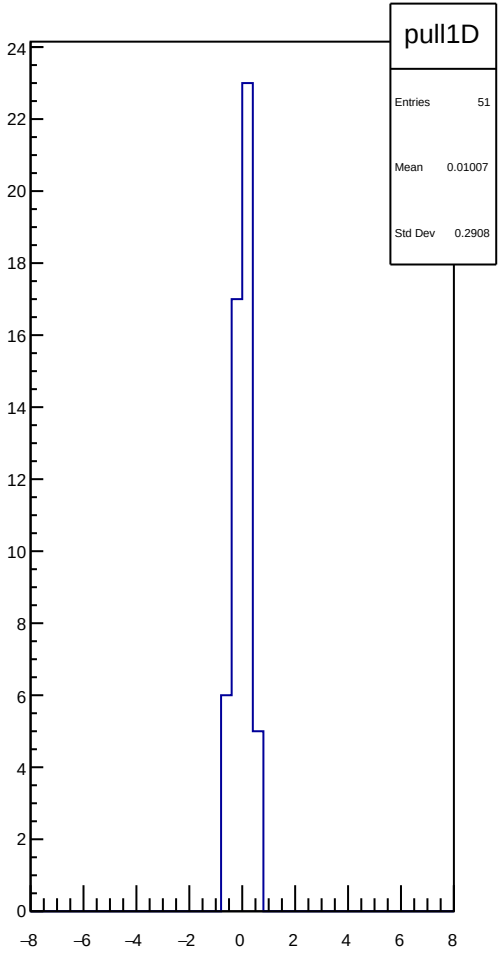

reg_asym_sam1_diff_bpm4aX_slope vs run
χ² / ndf 2.508 / 50
p0 −12.96 ± 1.041
pull
Entries 51
Mean −71.44
Std Dev 111.2

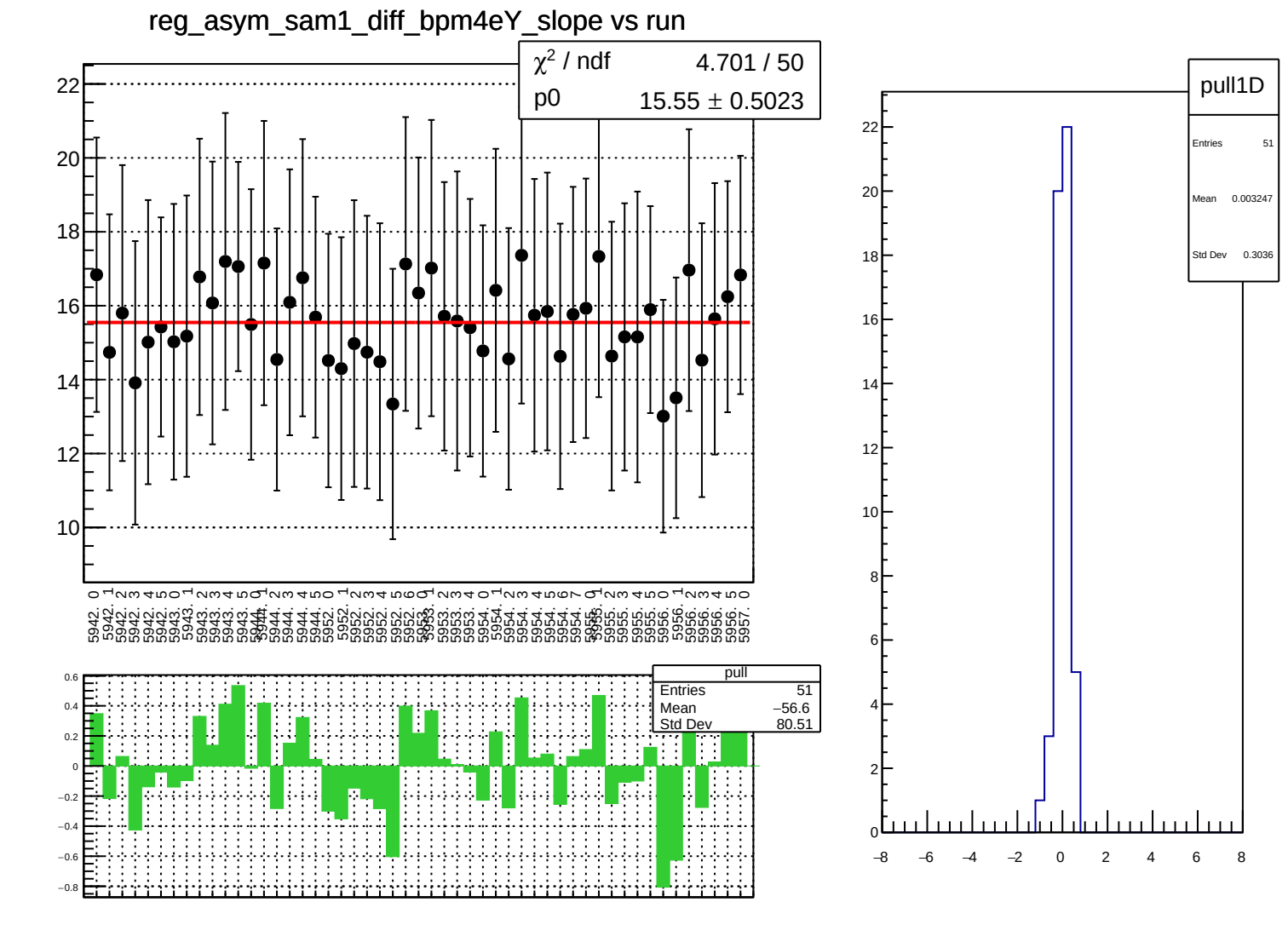

pull1D
Entries 51
Mean −0.005917
Std Dev 0.2217

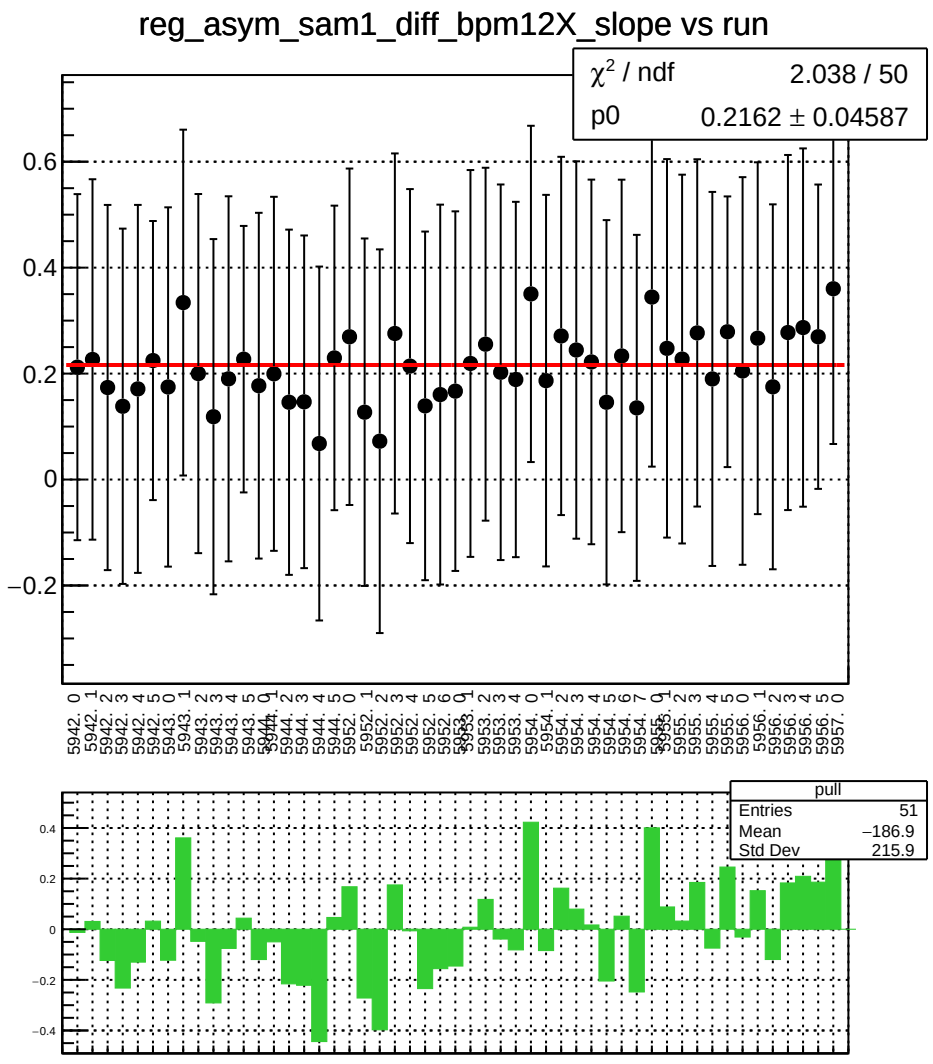

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 3.963 / 50
p0 −57.01 ± 0.386
pull
Entries 51
Mean 116
Std Dev 108.9

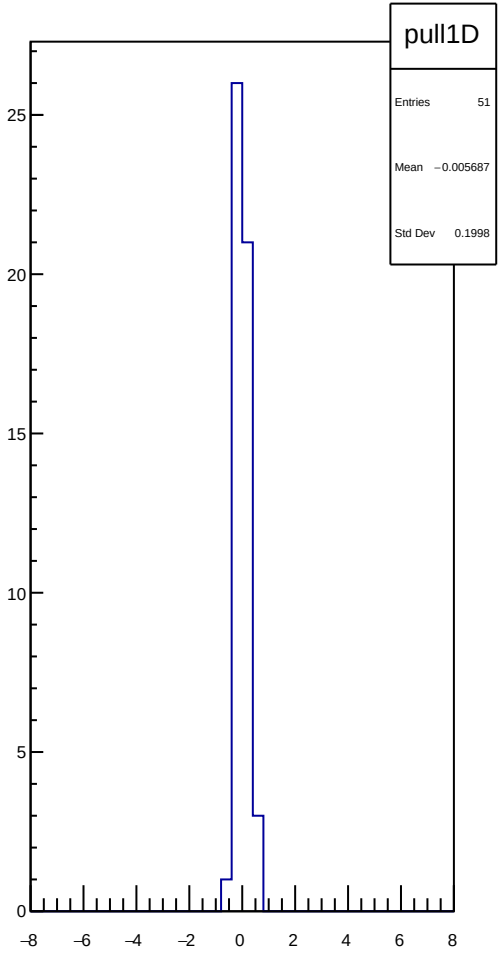

pull1D
Entries 51
Mean −0.002965
Std Dev 0.2787

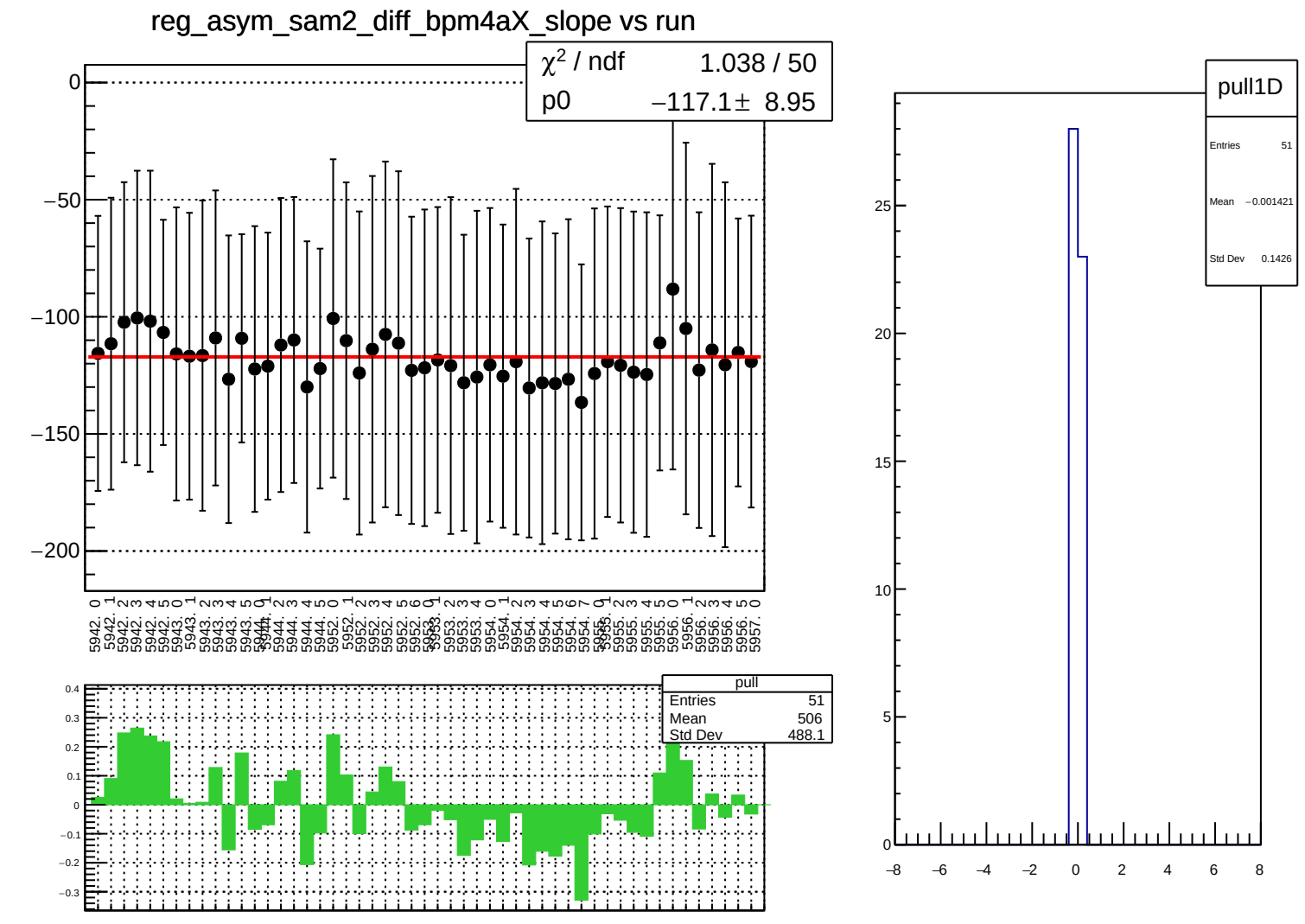

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 4.319 / 50
p0 1.867 ± 1.104
pull
Entries 51
Mean 199.5
Std Dev 181.6

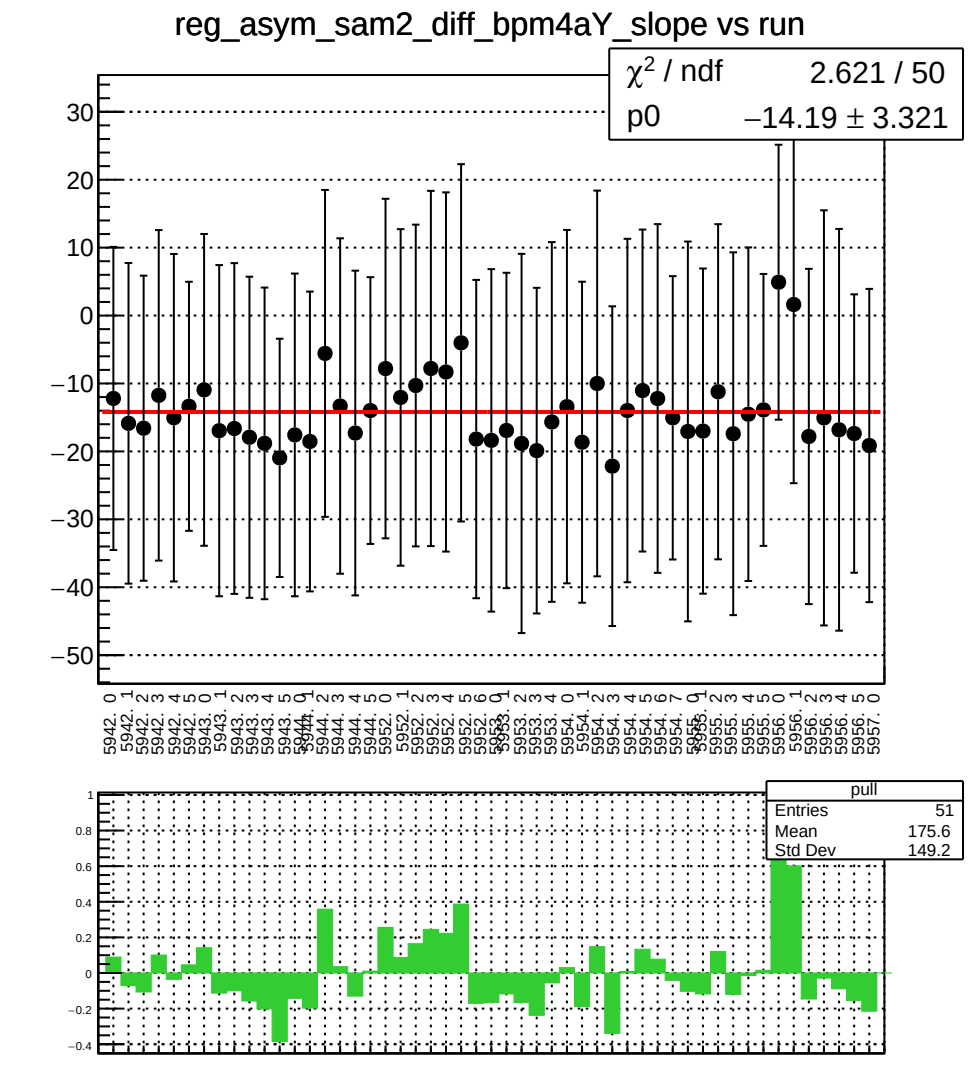

pull1D
Entries 51
Mean 0.01007
Std Dev 0.2908

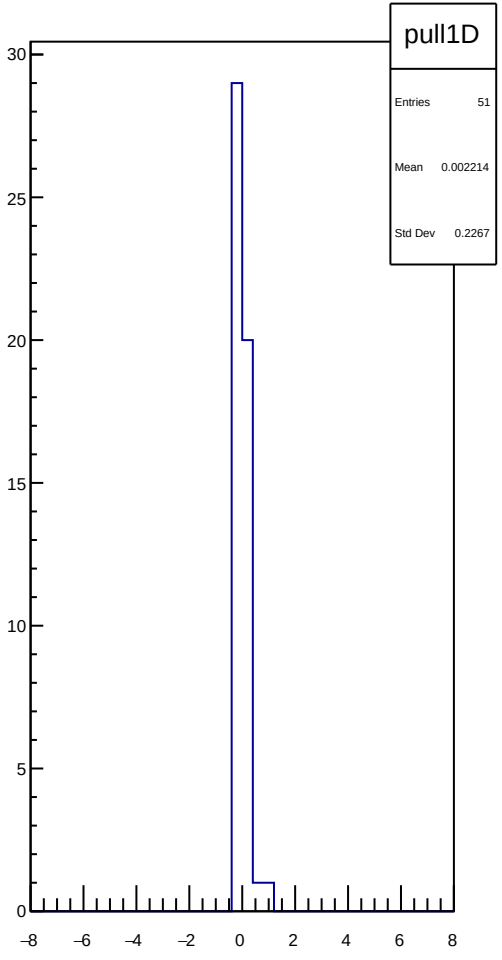

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 4.701 / 50
p0 15.55 ± 0.5023
pull
Entries 51
Mean −56.6
Std Dev 80.51
pull1D
Entries 51
Mean 0.003247
Std Dev 0.3036

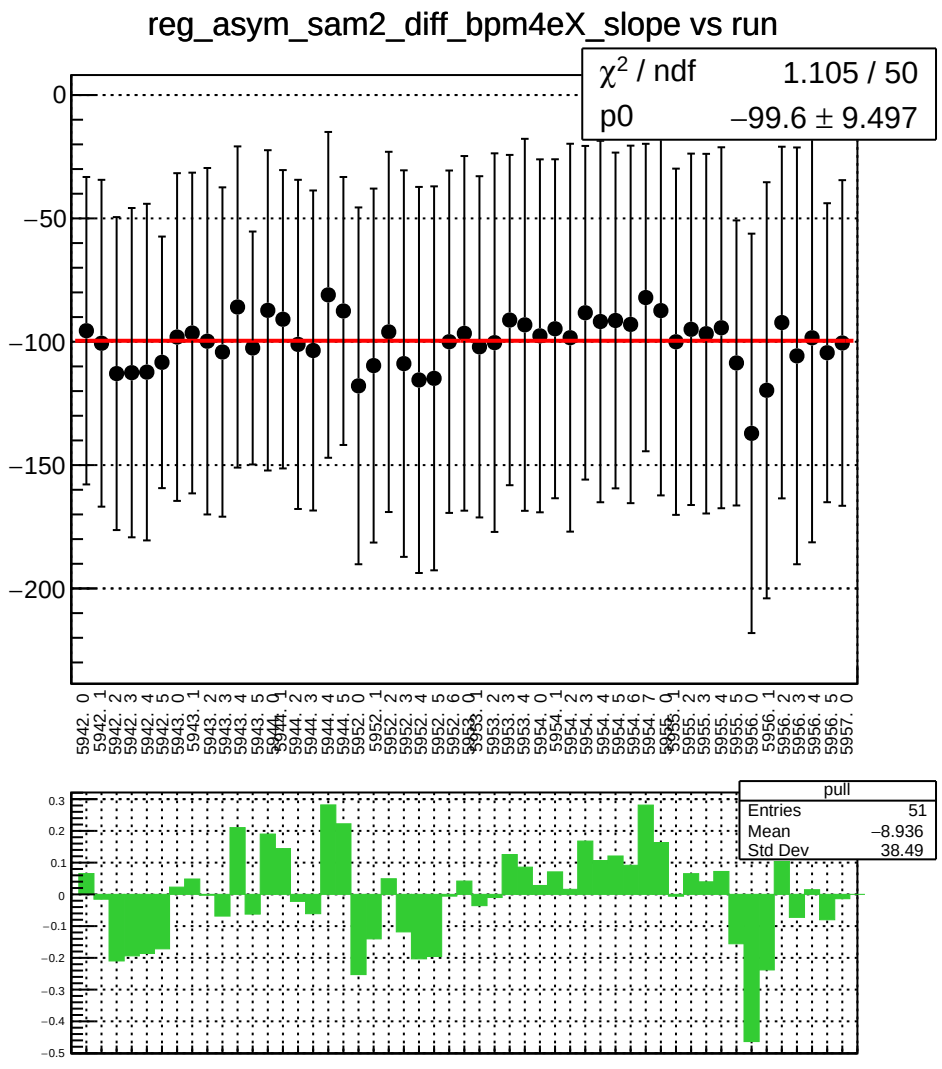

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 2.038 / 50
p0 0.2162 ± 0.04587
pull
Entries 51
Mean −186.9
Std Dev 215.9

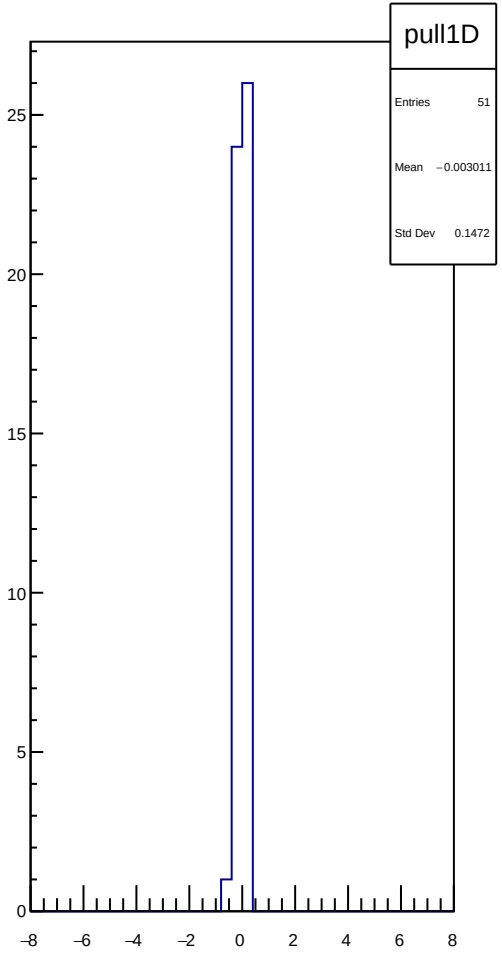

pull1D
Entries 51
Mean −0.005687
Std Dev 0.1998

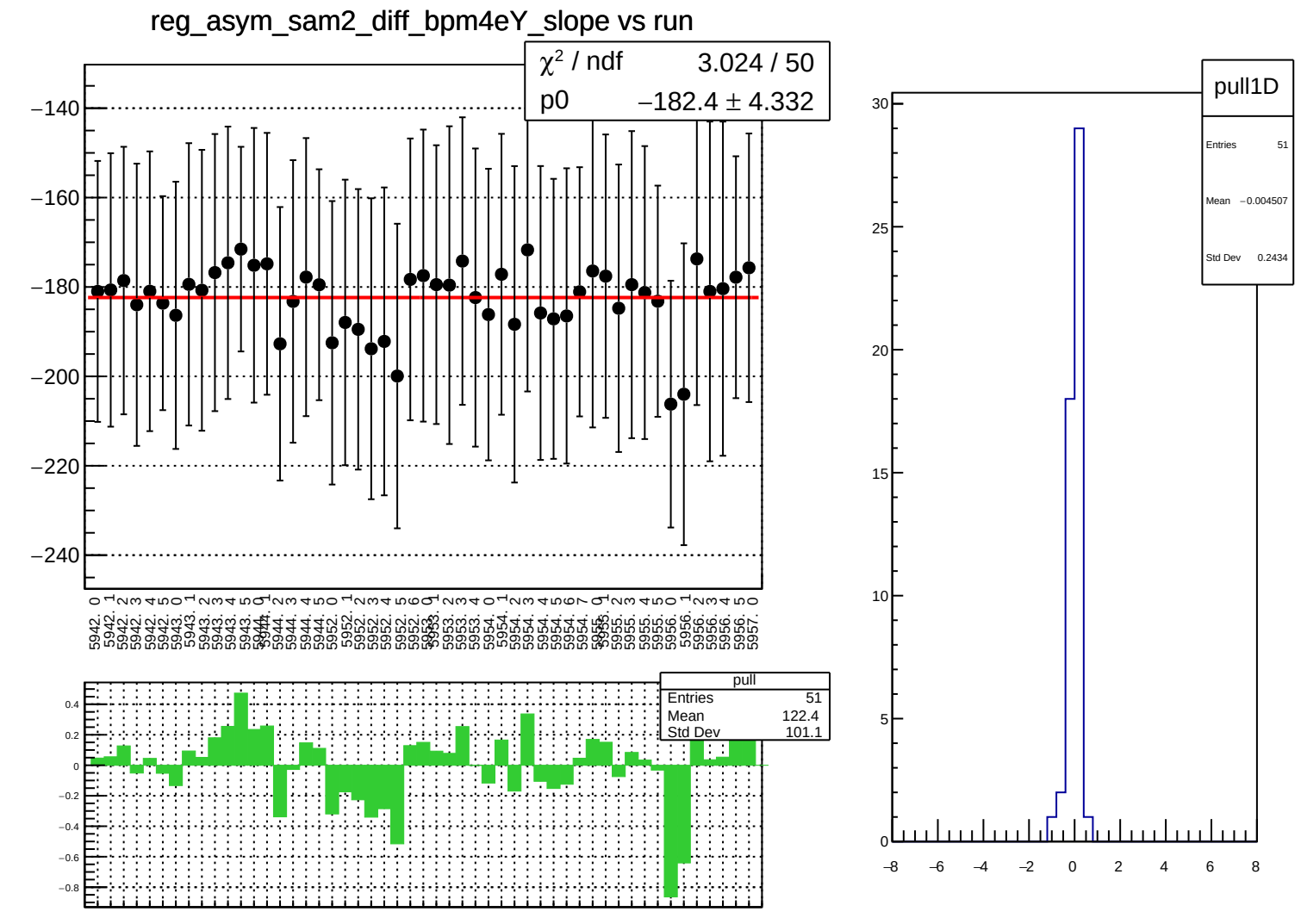

reg_asym_sam2_diff_bpm4aX_slope vs run
χ² / ndf 1.038 / 50
p0 −117.1± 8.95
0
−50
−100
−150
−200
pull
Entries 51
Mean 506
Std Dev 488.1
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 51
Mean −0.001421
Std Dev 0.1426
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

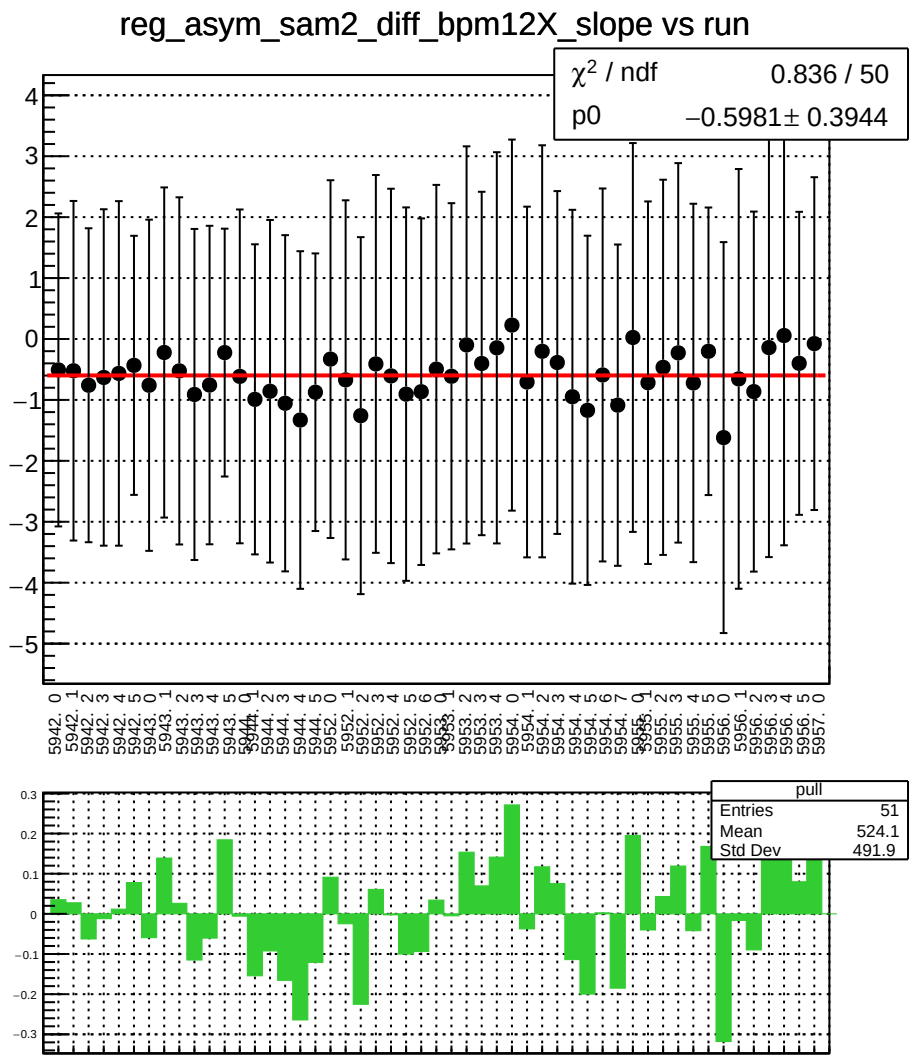

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 2.621 / 50
p0 −14.19 ± 3.321
pull
Entries 51
Mean 175.6
Std Dev 149.2

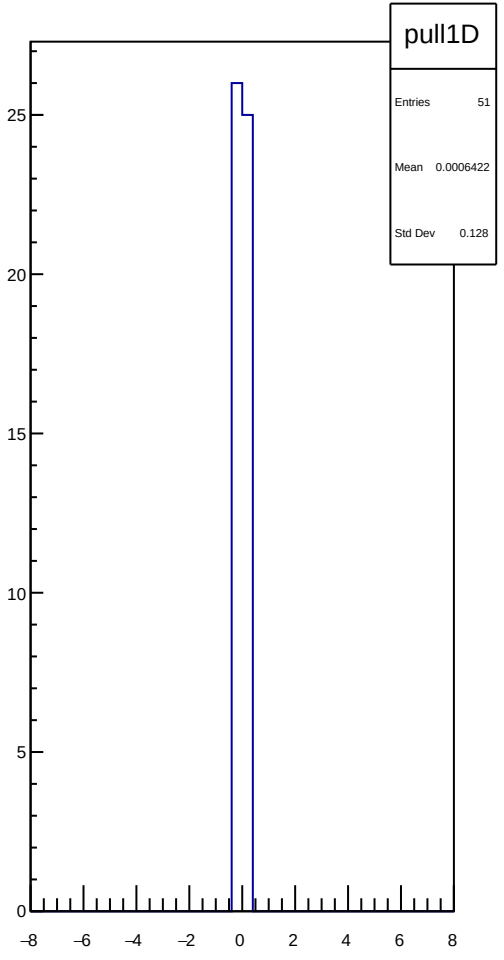

pull1D
Entries 51
Mean 0.002214
Std Dev 0.2267

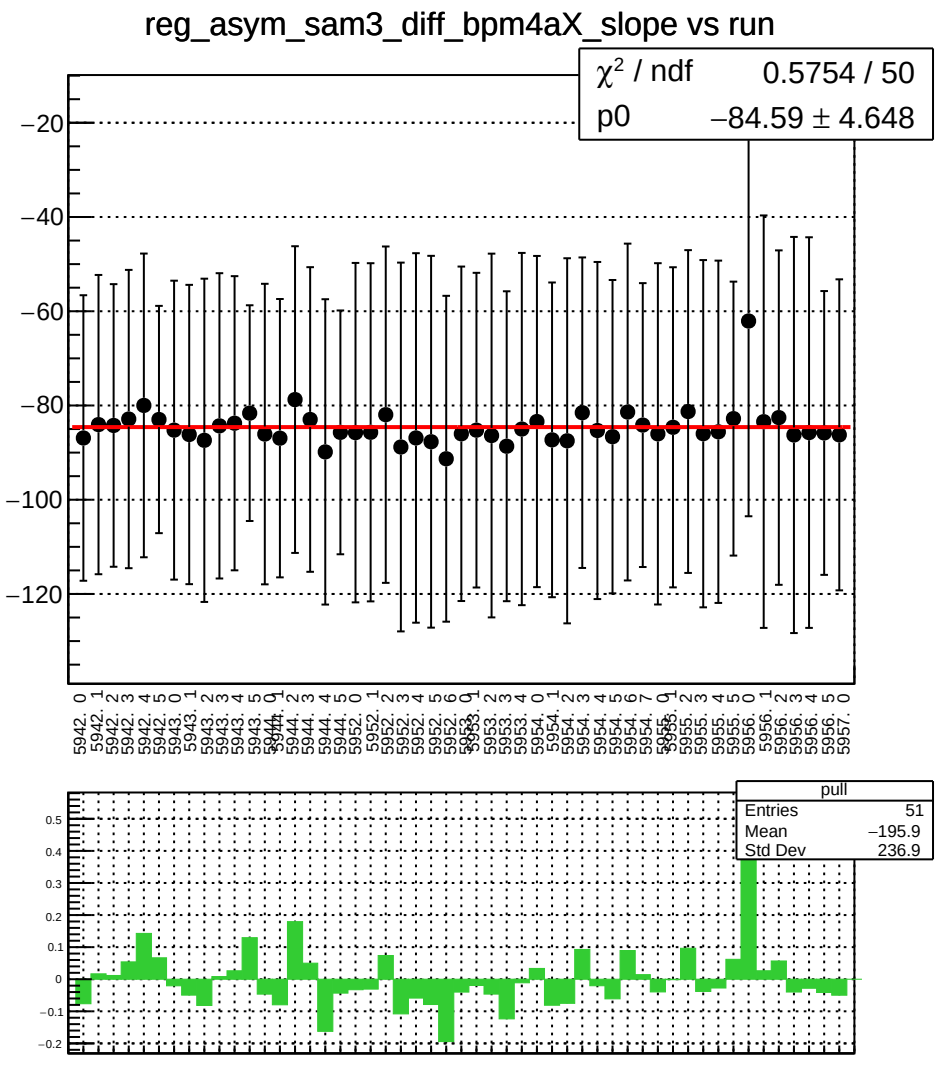

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 1.105 / 50
p0 −99.6 ± 9.497
pull
Entries 51
Mean −8.936
Std Dev 38.49

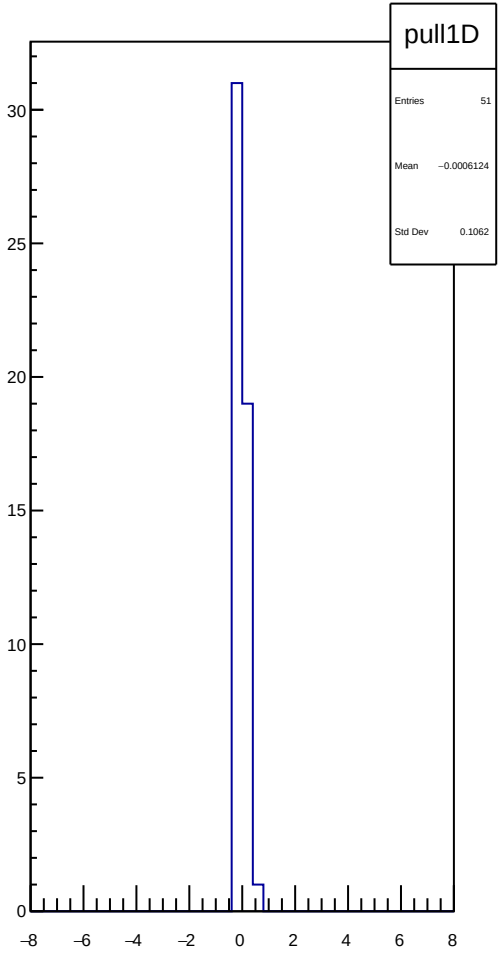

pull1D
Entries 51
Mean −0.003011
Std Dev 0.1472

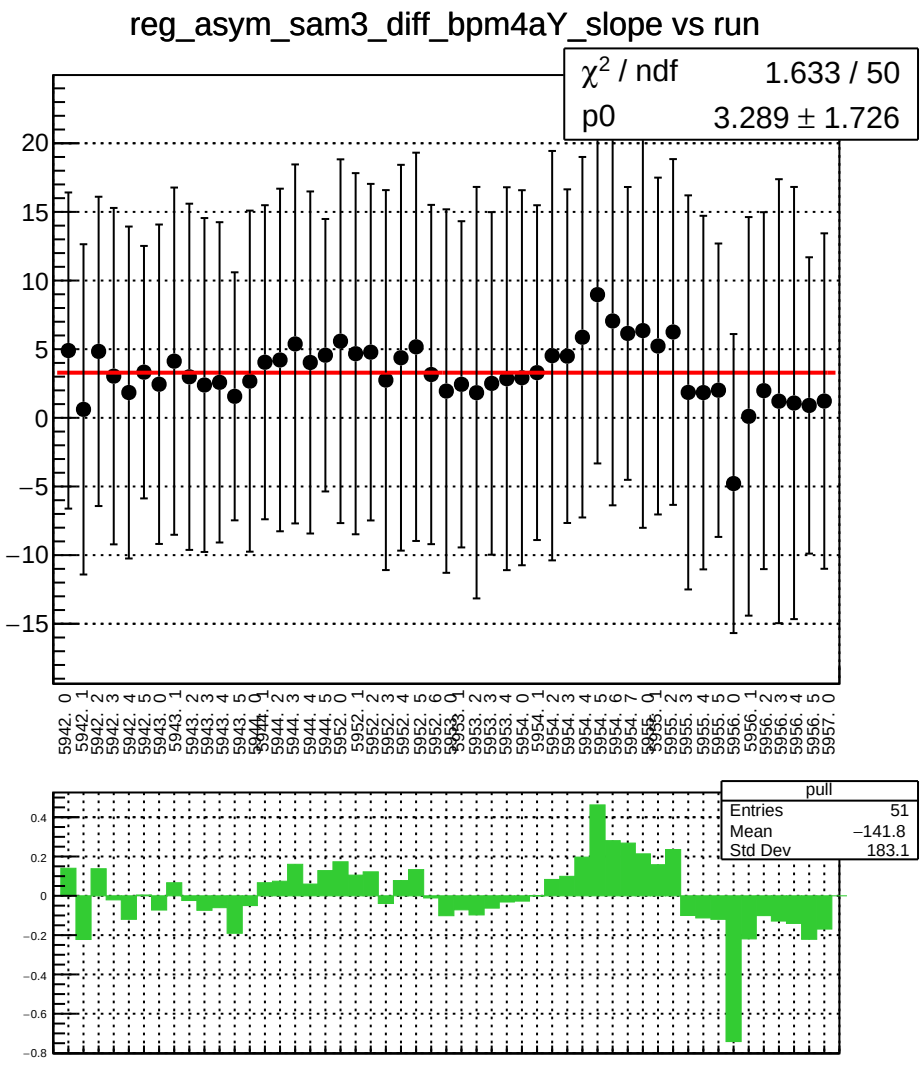

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 3.024 / 50
p0 −182.4 ± 4.332
−140
−160
−180
−200
−220
−240
pull
Entries 51
Mean 122.4
Std Dev 101.1
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 51
Mean −0.004507
Std Dev 0.2434
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

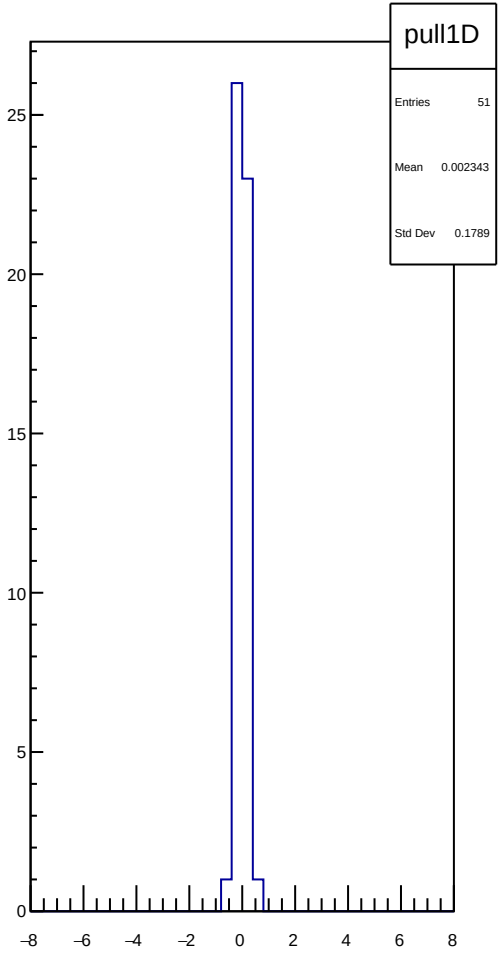

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 0.836 / 50
p0 −0.5981± 0.3944
pull
Entries 51
Mean 524.1
Std Dev 491.9

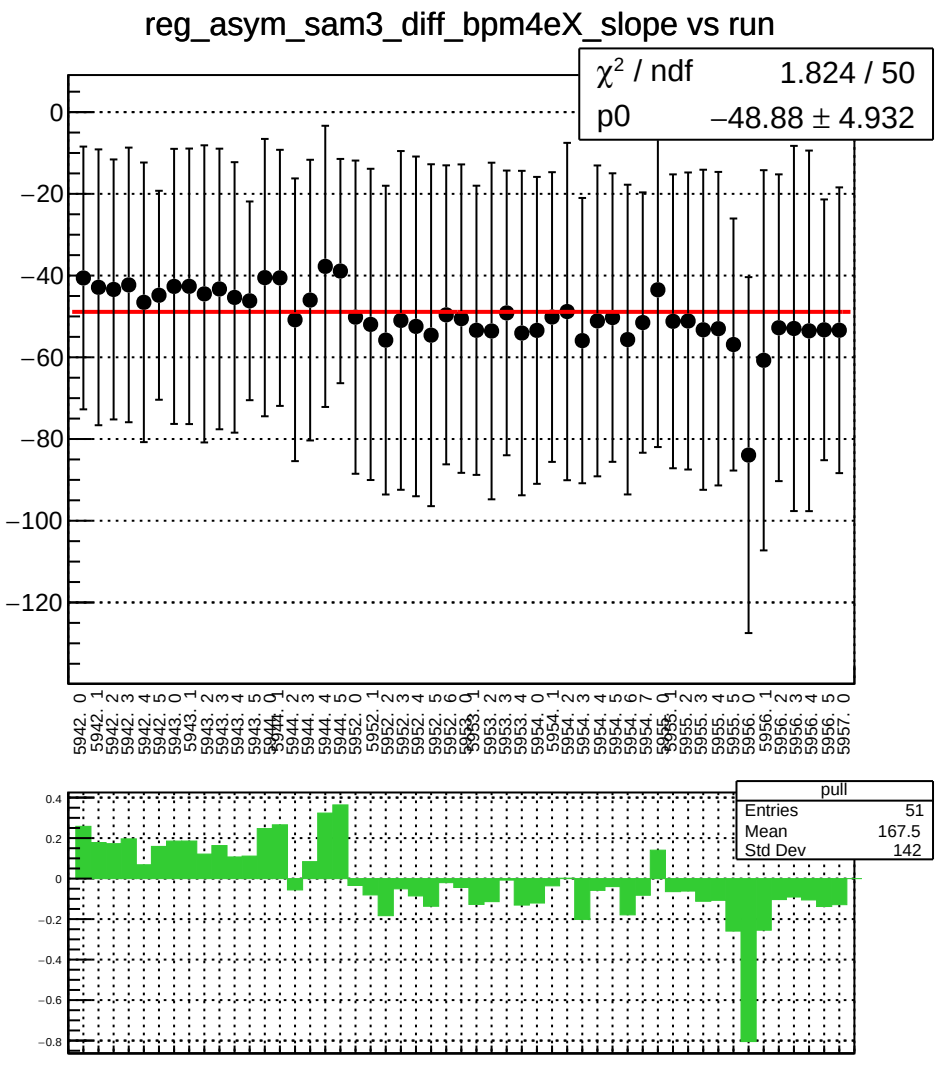

pull1D
Entries 51
Mean 0.0006422
Std Dev 0.128

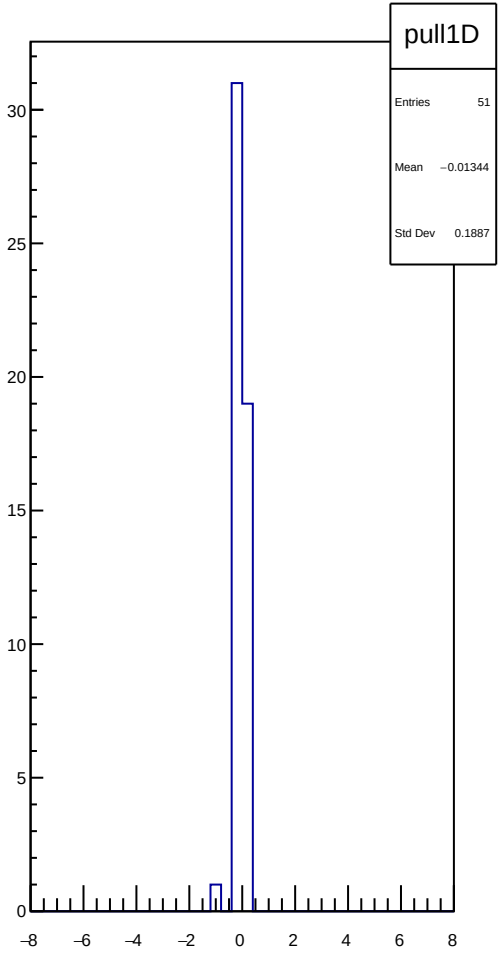

reg_asym_sam3_diff_bpm4aX_slope vs run
χ² / ndf 0.5754 / 50
p0 −84.59 ± 4.648
pull
Entries 51
Mean −195.9
Std Dev 236.9

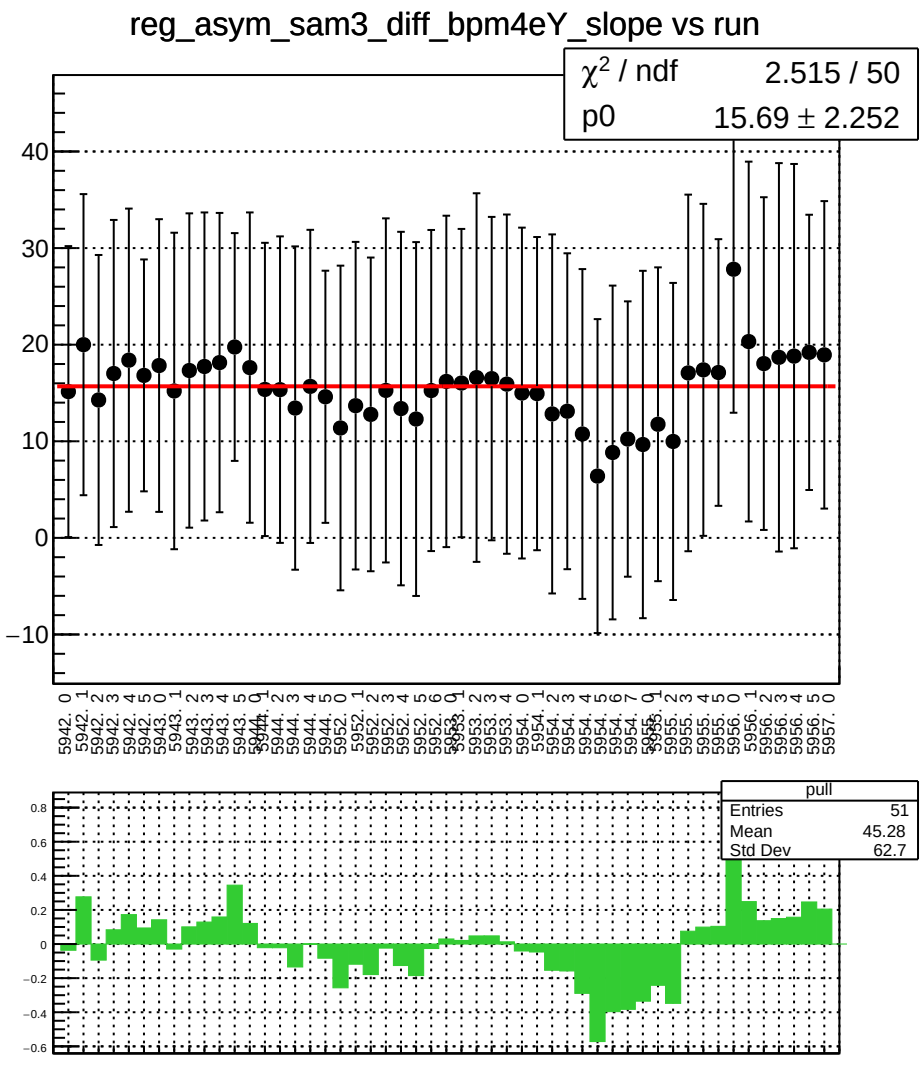

pull1D
Entries 51
Mean −0.0006124
Std Dev 0.1062

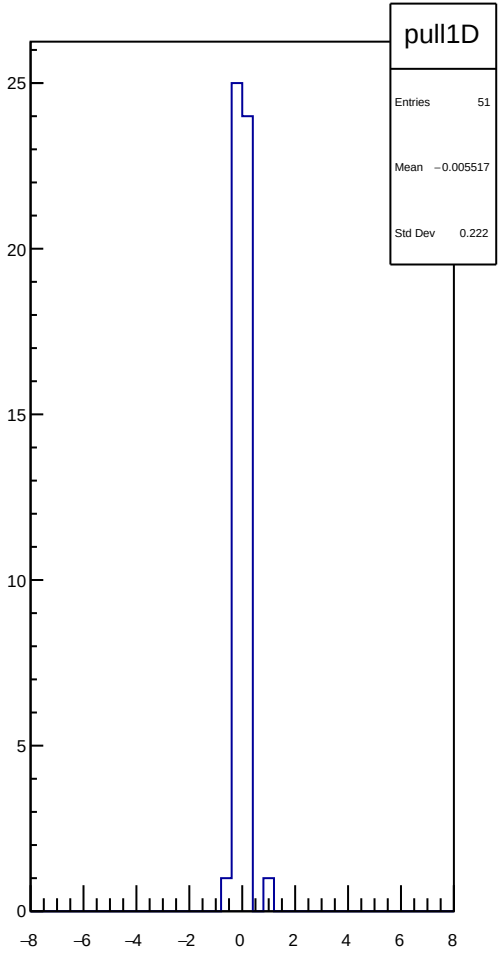

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 1.633 / 50
p0 3.289 ± 1.726
pull
Entries 51
Mean −141.8
Std Dev 183.1

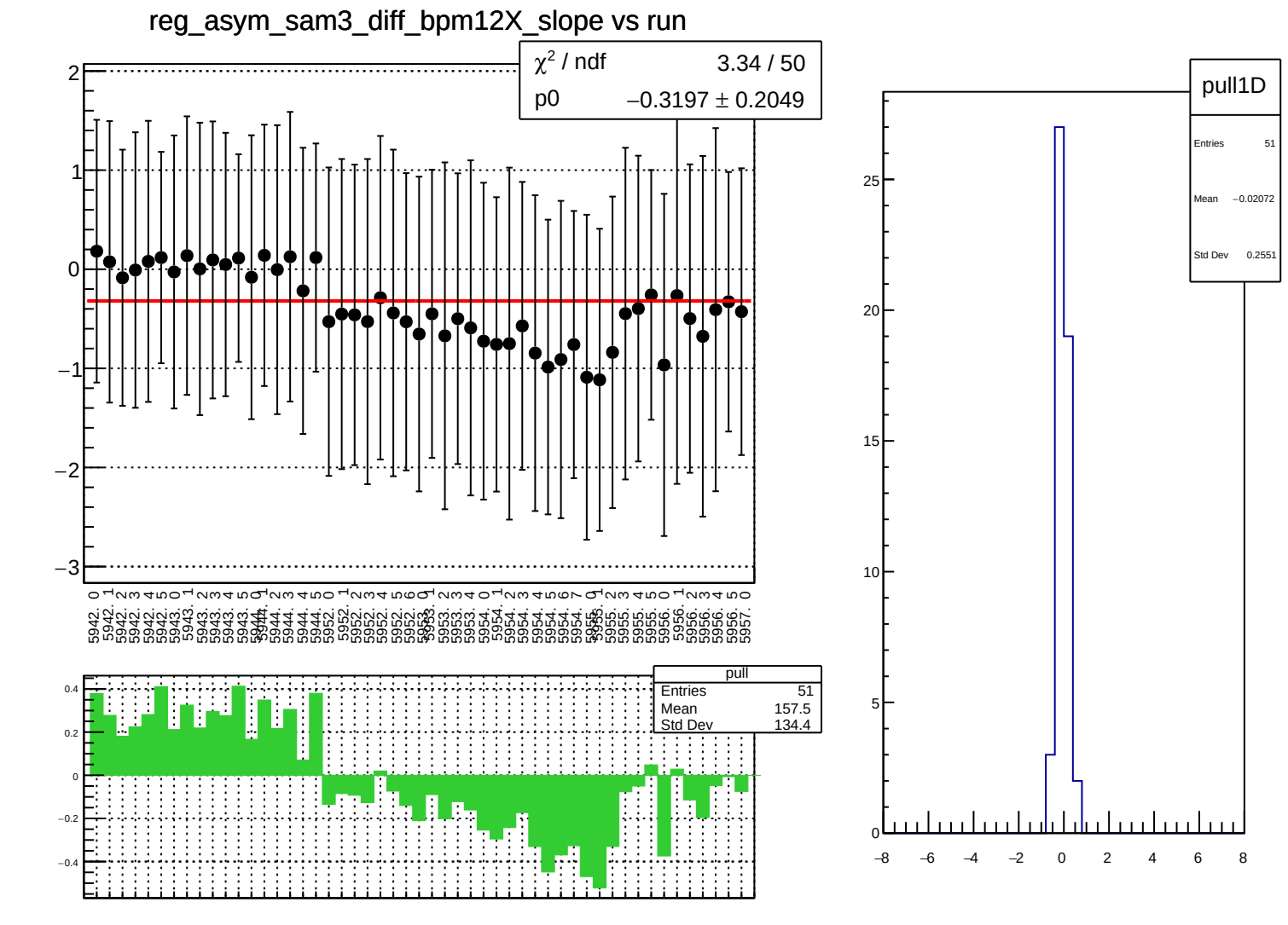

pull1D
Entries 51
Mean 0.002343
Std Dev 0.1789

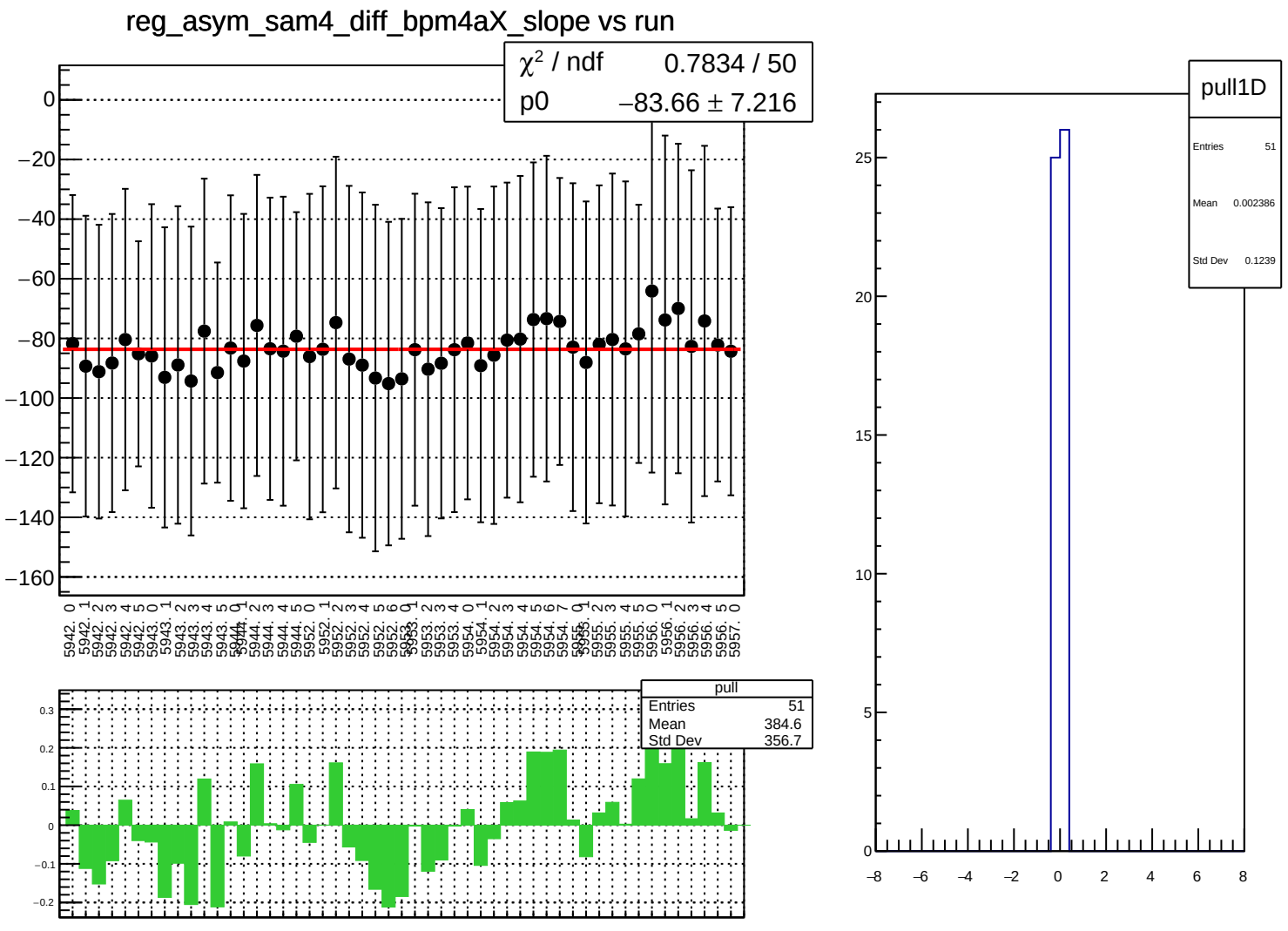

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 1.824 / 50
p0 −48.88 ± 4.932
pull
Entries 51
Mean 167.5
Std Dev 142

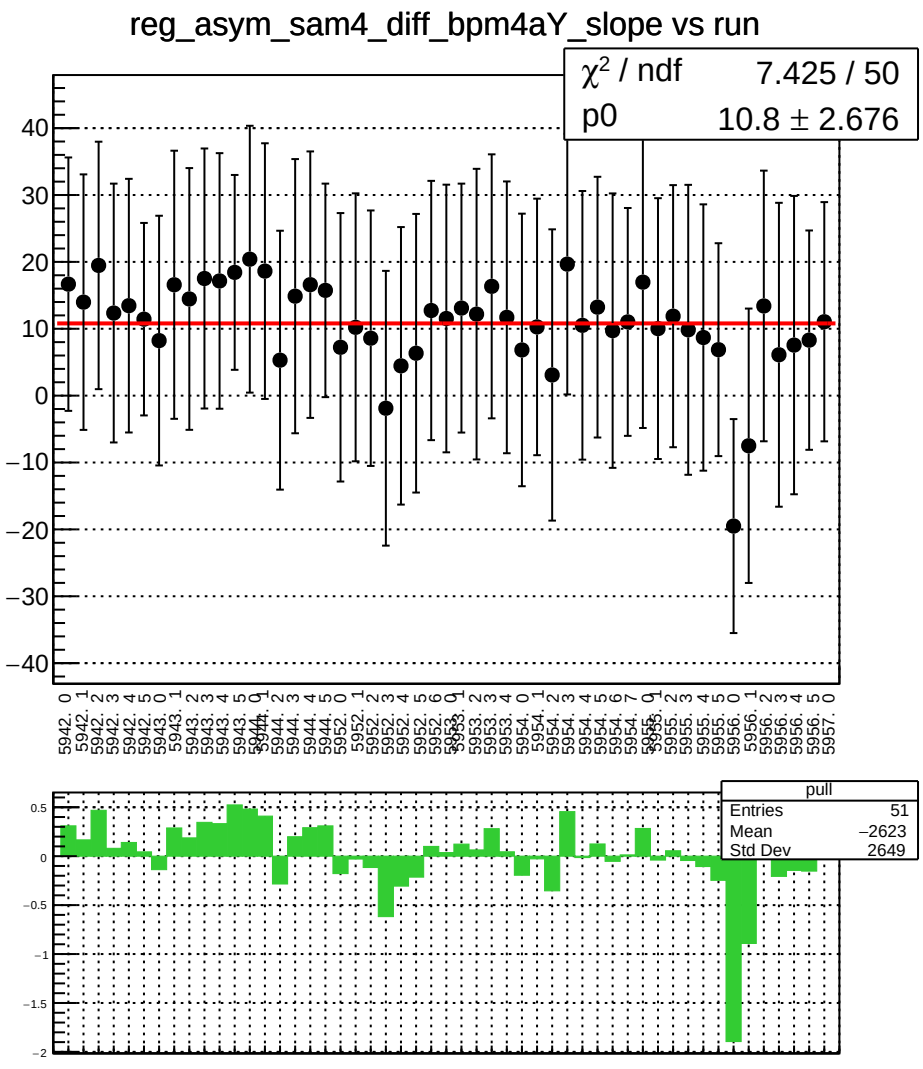

pull1D
Entries 51
Mean −0.01344
Std Dev 0.1887

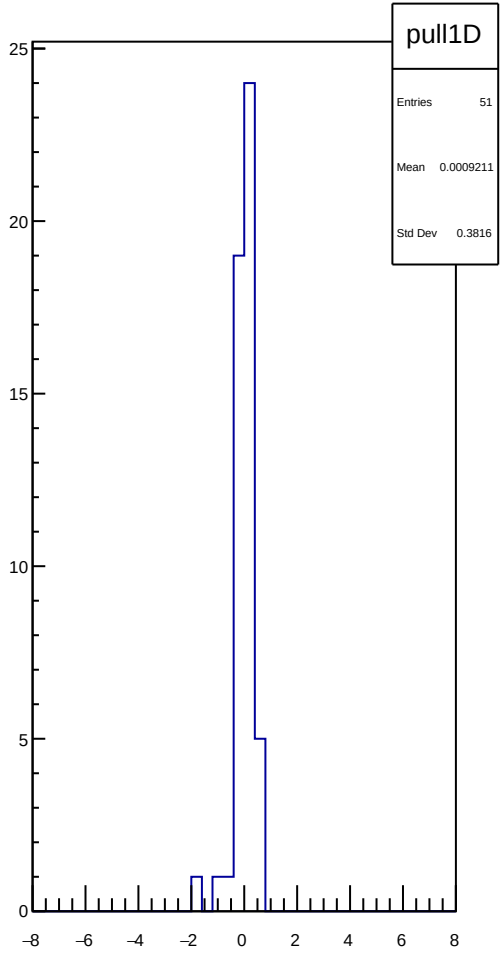

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 2.515 / 50
p0 15.69 ± 2.252
pull
Entries 51
Mean 45.28
Std Dev 62.7

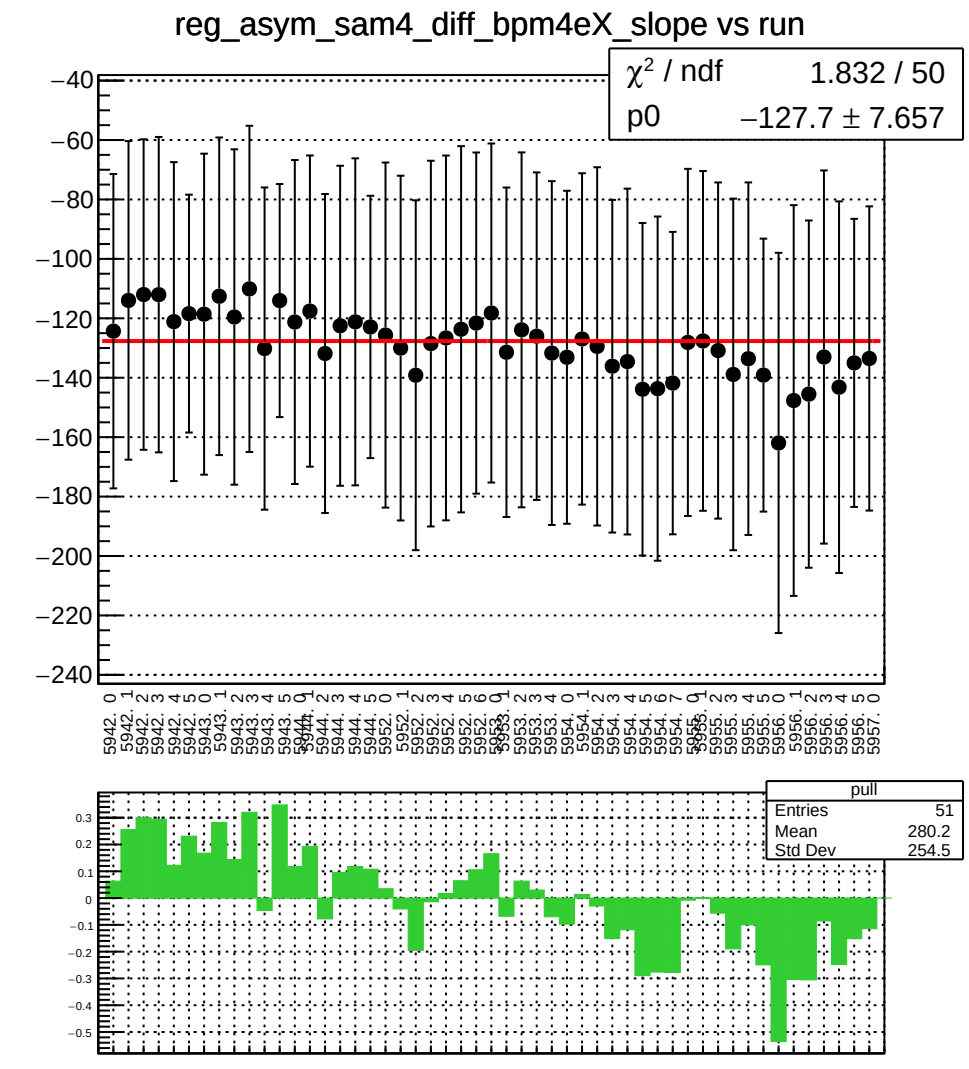

pull1D
Entries 51
Mean −0.005517
Std Dev 0.222

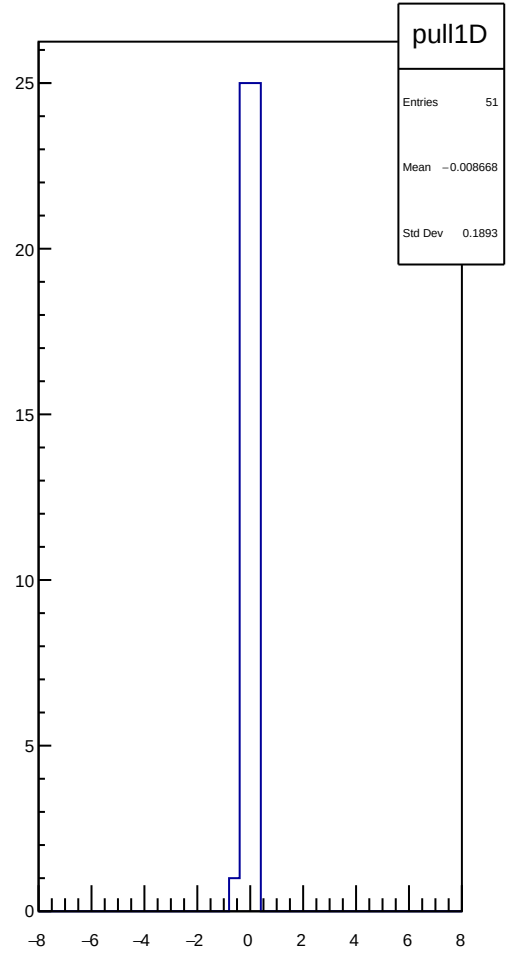

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 3.34 / 50
p0 −0.3197 ± 0.2049
pull
Entries 51
Mean 157.5
Std Dev 134.4
pull1D
Entries 51
Mean −0.02072
Std Dev 0.2551

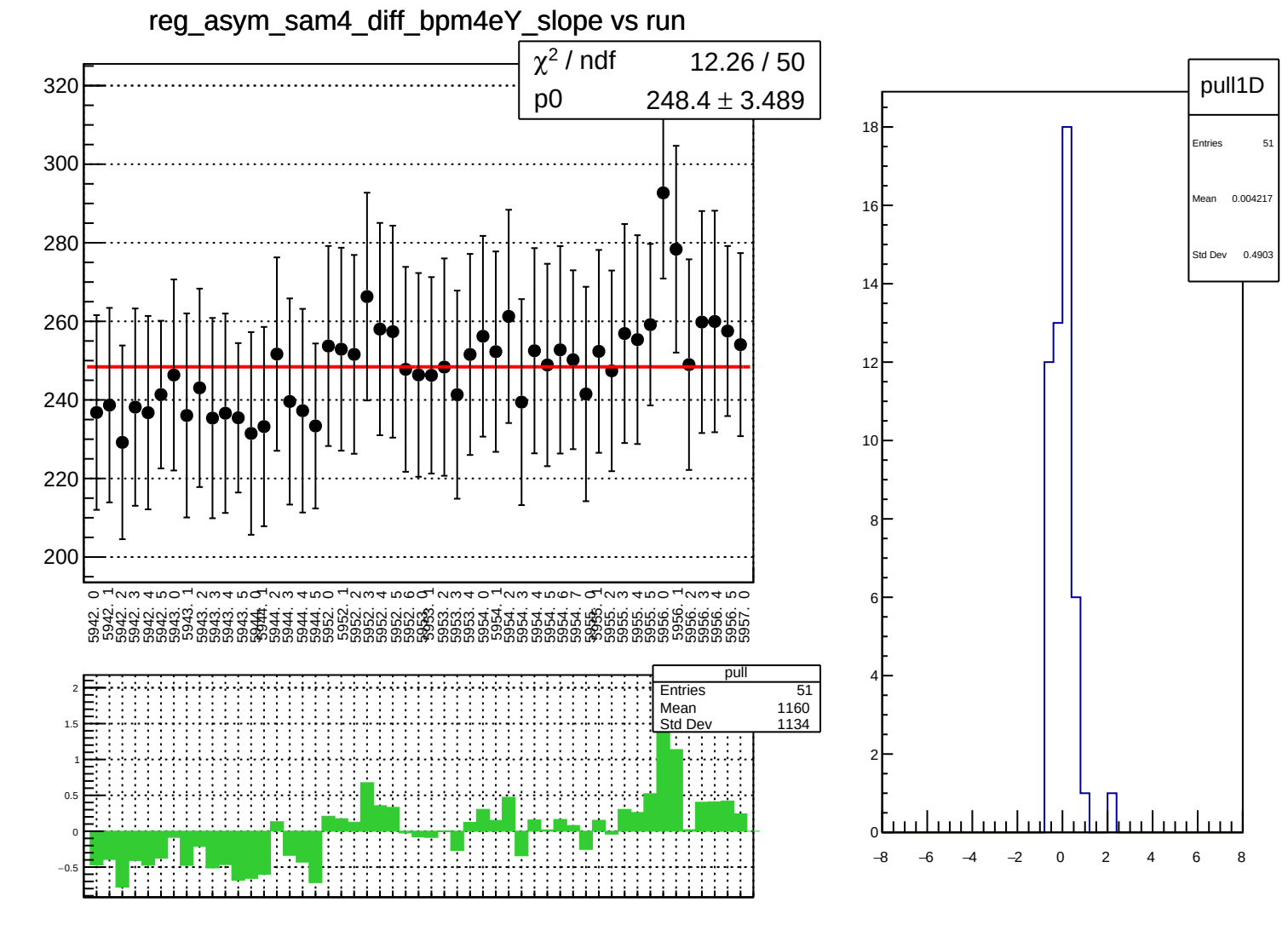

reg_asym_sam4_diff_bpm4aX_slope vs run
χ² / ndf 0.7834 / 50
p0 −83.66 ± 7.216
pull
Entries 51
Mean 384.6
Std Dev 356.7
pull1D
Entries 51
Mean 0.002386
Std Dev 0.1239

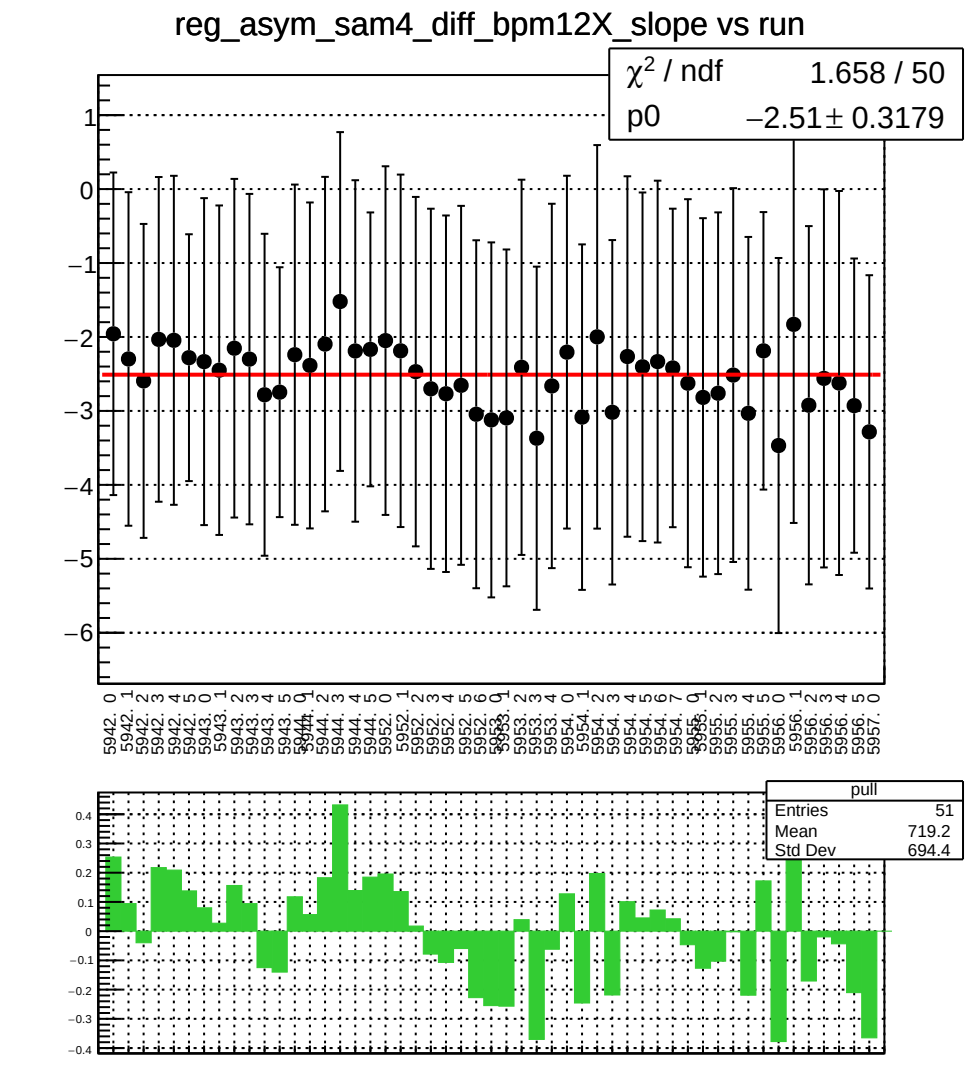

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 7.425 / 50
p0 10.8 ± 2.676
pull
Entries 51
Mean −2623
Std Dev 2649

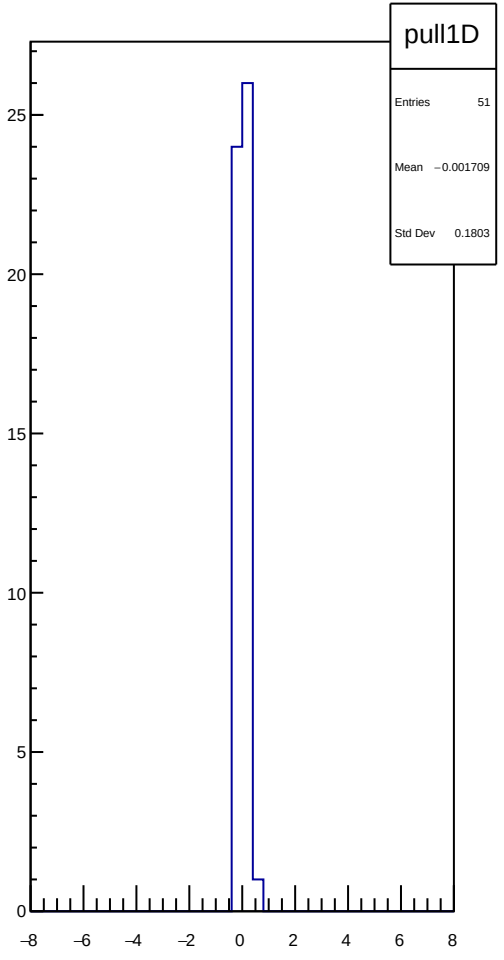

pull1D
Entries 51
Mean 0.0009211
Std Dev 0.3816

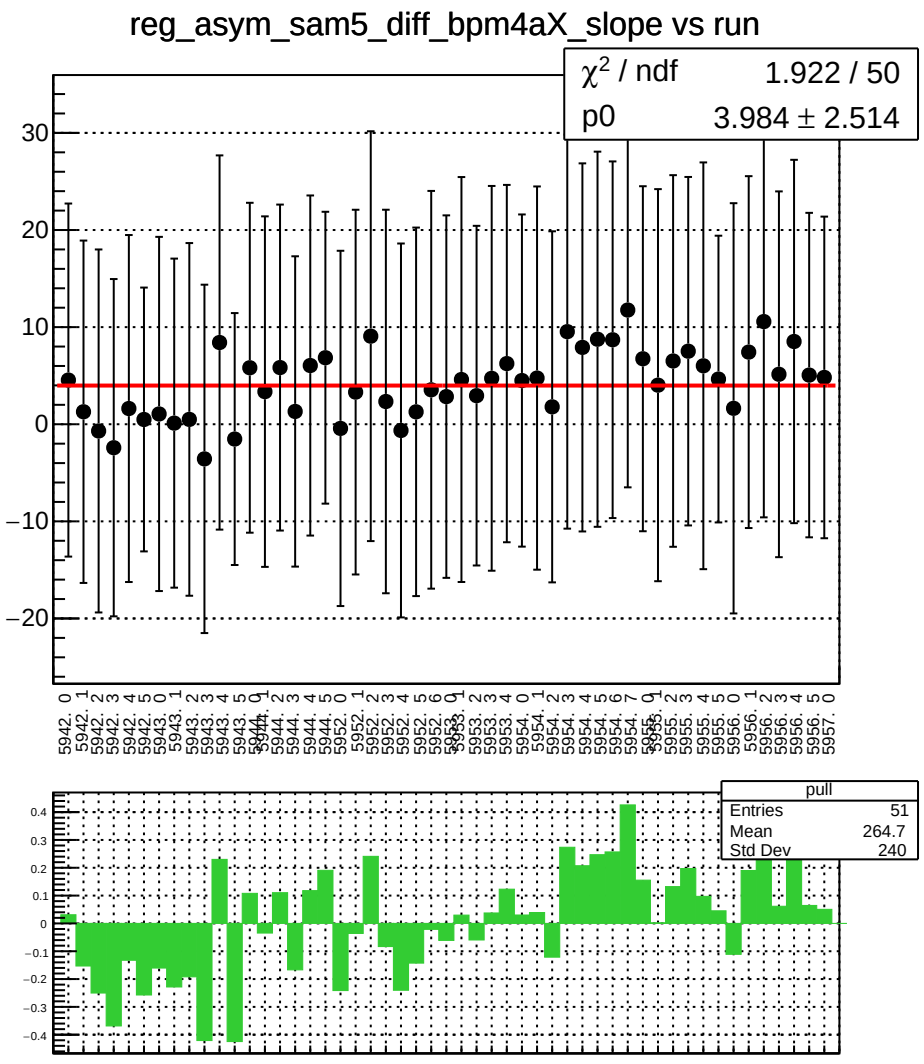

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 1.832 / 50
p0 −127.7 ± 7.657
pull
Entries 51
Mean 280.2
Std Dev 254.5

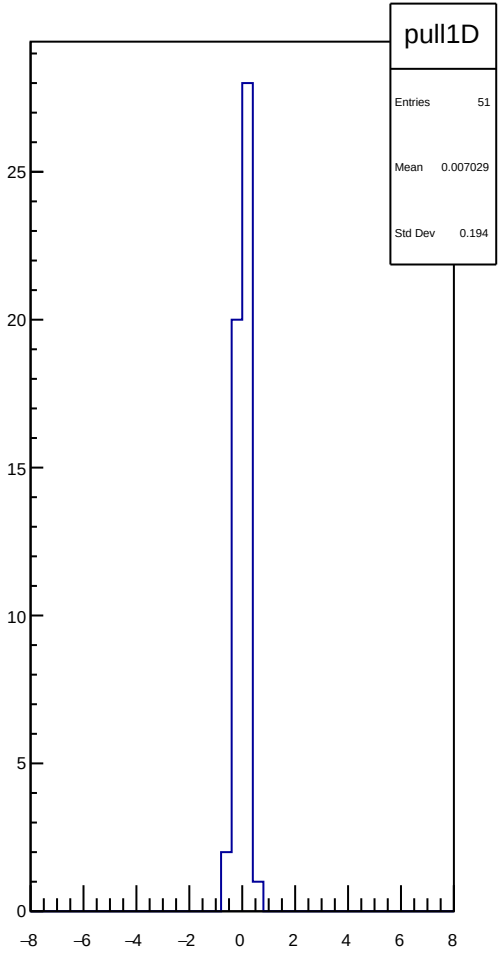

pull1D
Entries 51
Mean −0.008668
Std Dev 0.1893

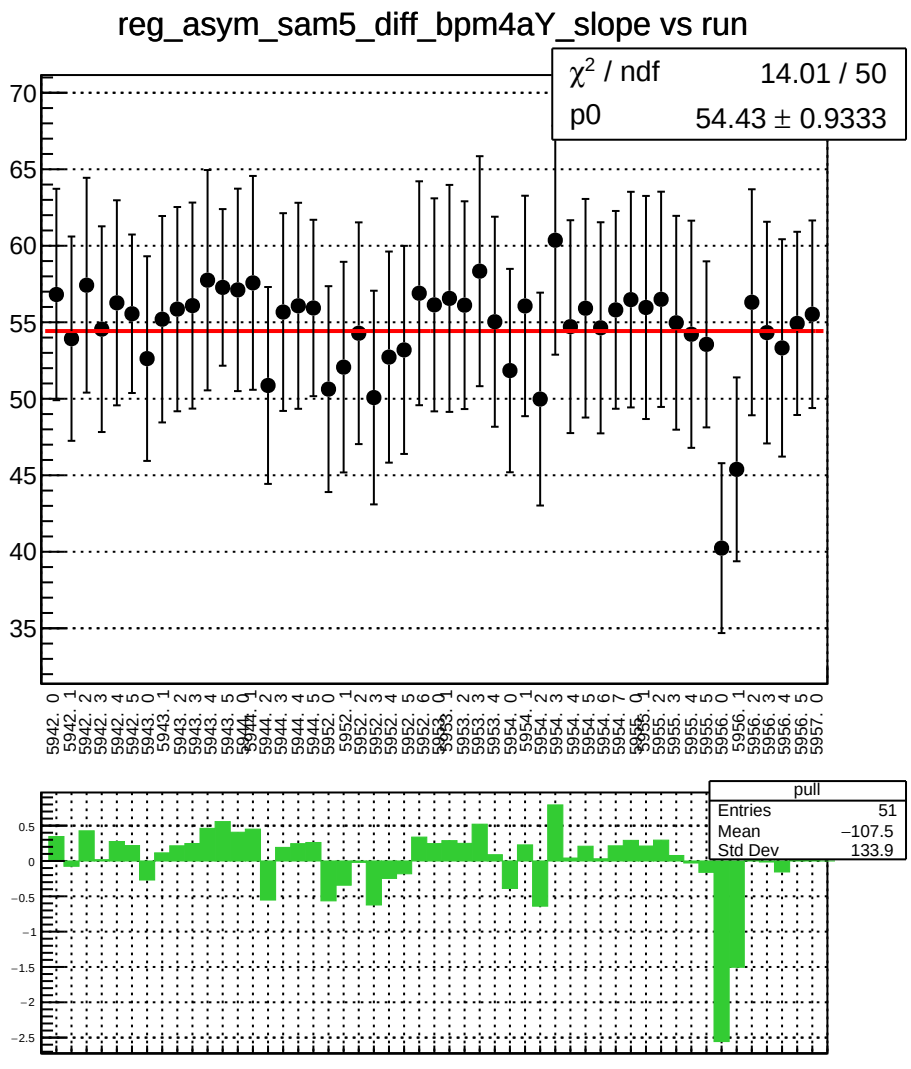

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 12.26 / 50
p0 248.4 ± 3.489
pull
Entries 51
Mean 1160
Std Dev 1134
pull1D
Entries 51
Mean 0.004217
Std Dev 0.4903

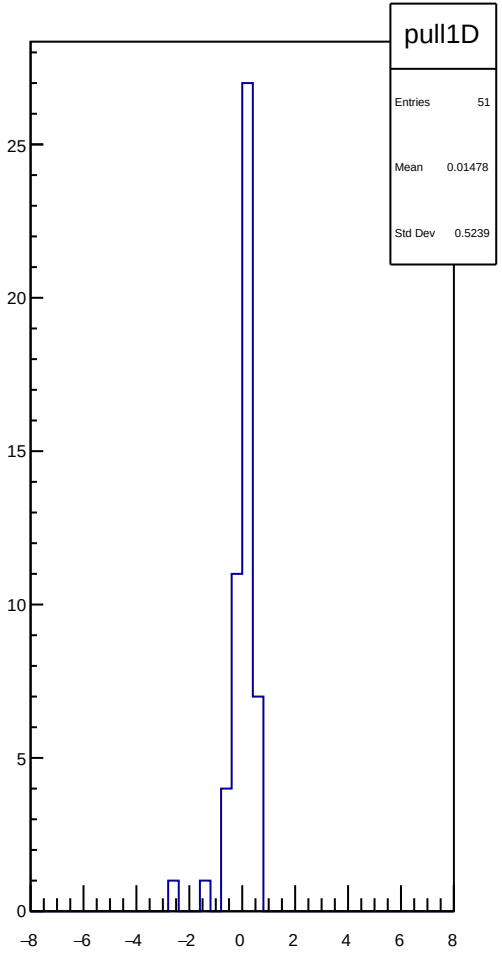

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 1.658 / 50
p0 −2.51 ± 0.3179
pull
Entries 51
Mean 719.2
Std Dev 694.4

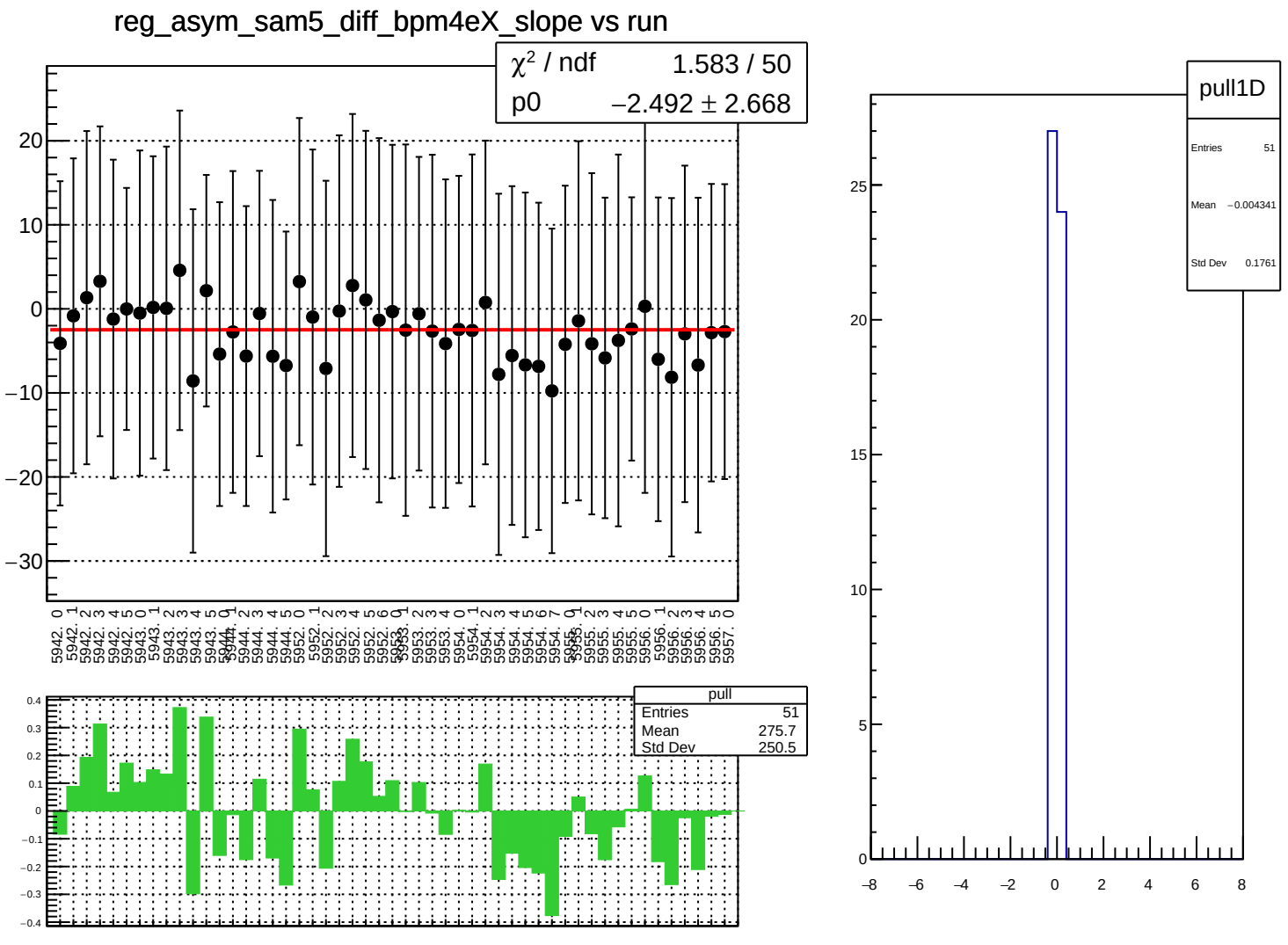

pull1D
Entries 51
Mean −0.001709
Std Dev 0.1803

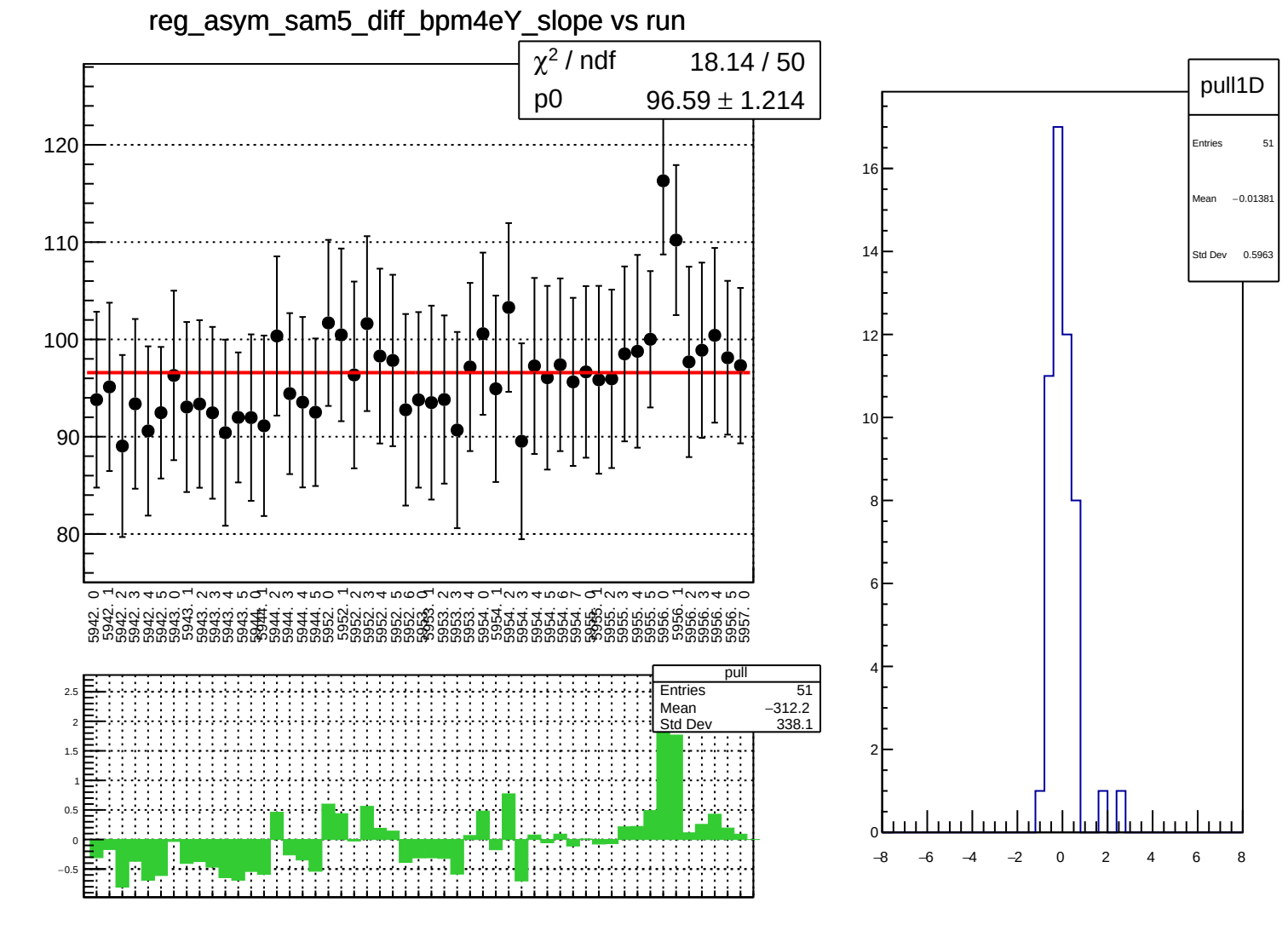

reg_asym_sam5_diff_bpm4aX_slope vs run
χ² / ndf 1.922 / 50
p0 3.984 ± 2.514
pull
Entries 51
Mean 264.7
Std Dev 240

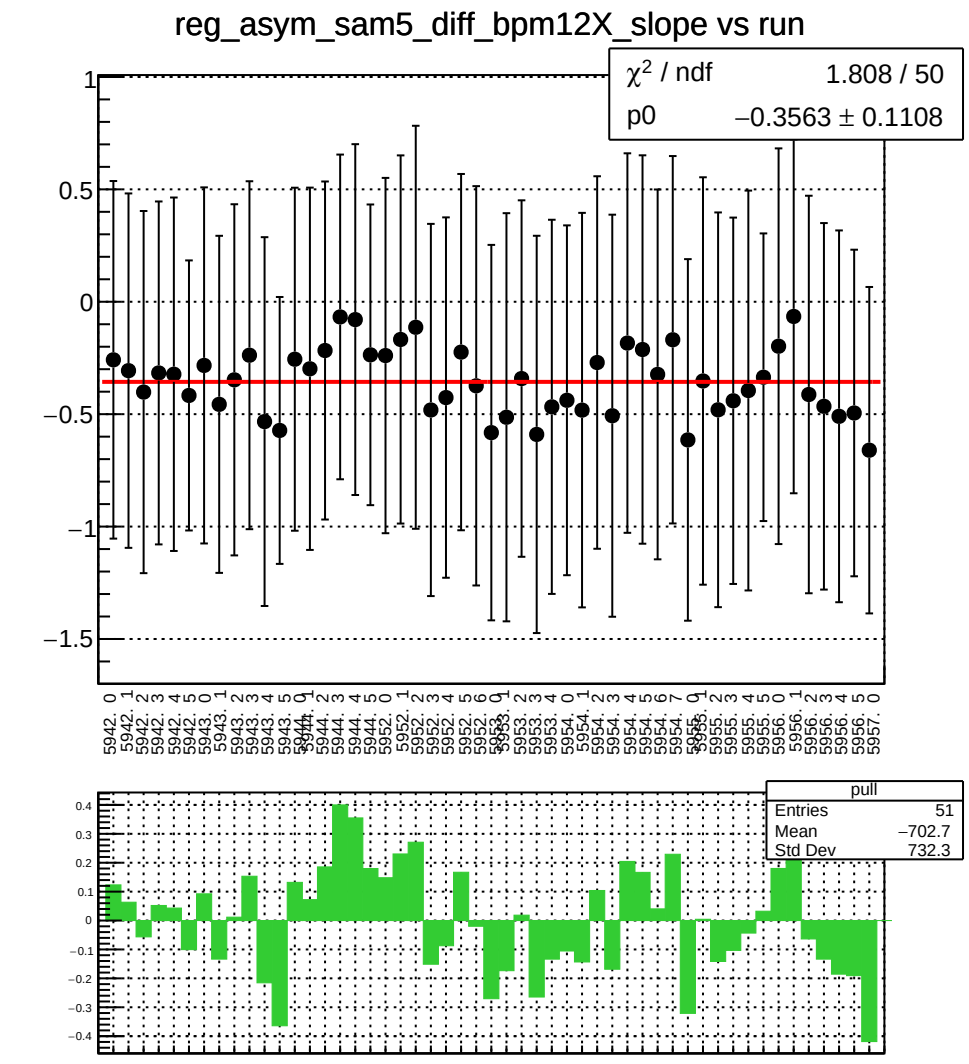

pull1D
Entries 51
Mean 0.007029
Std Dev 0.194

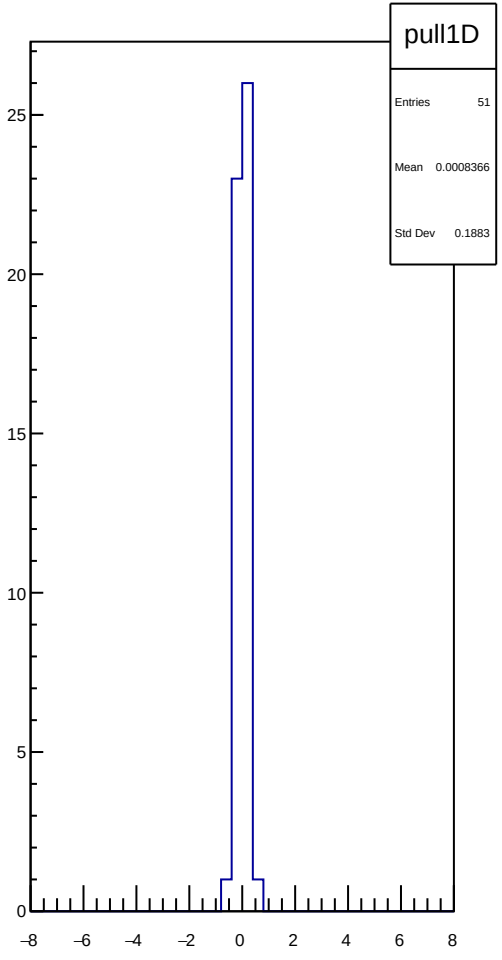

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 14.01 / 50
p0 54.43 ± 0.9333
pull
Entries 51
Mean −107.5
Std Dev 133.9

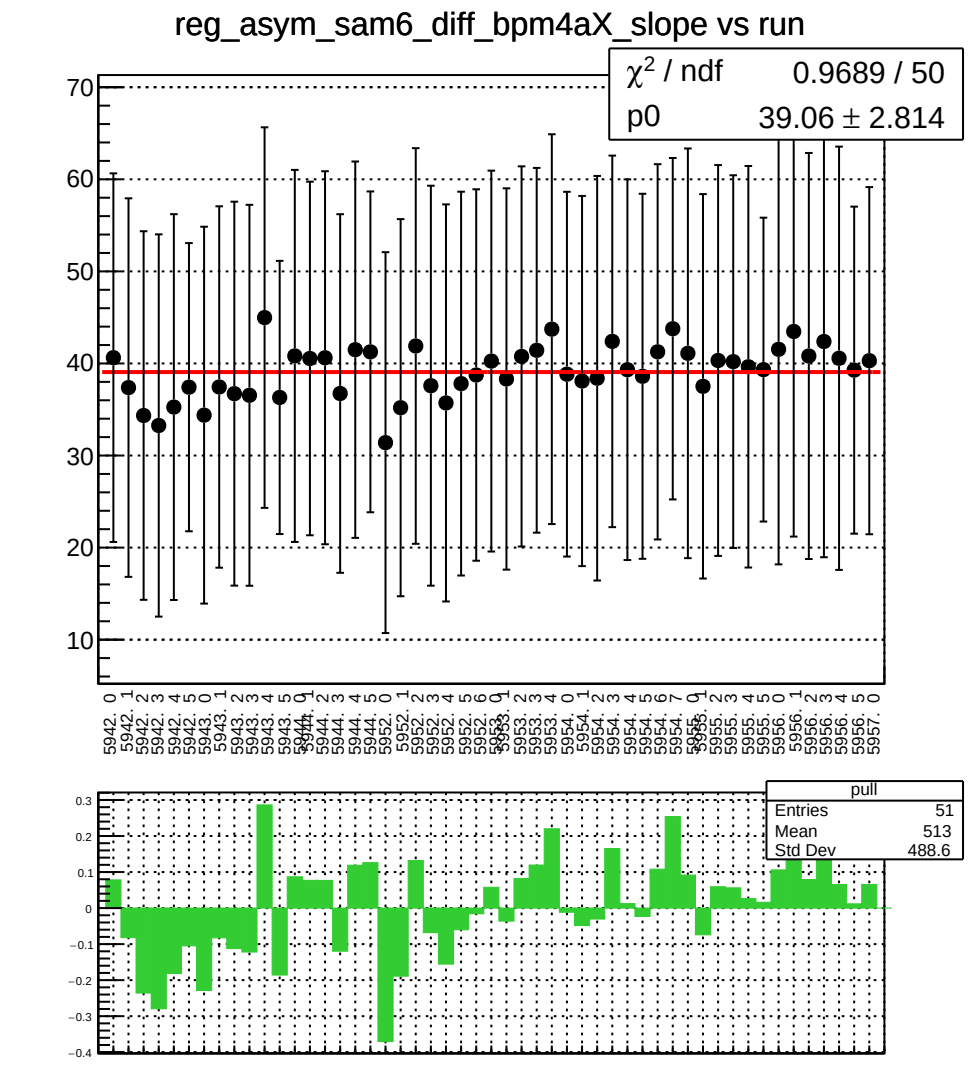

pull1D
Entries 51
Mean 0.01478
Std Dev 0.5239

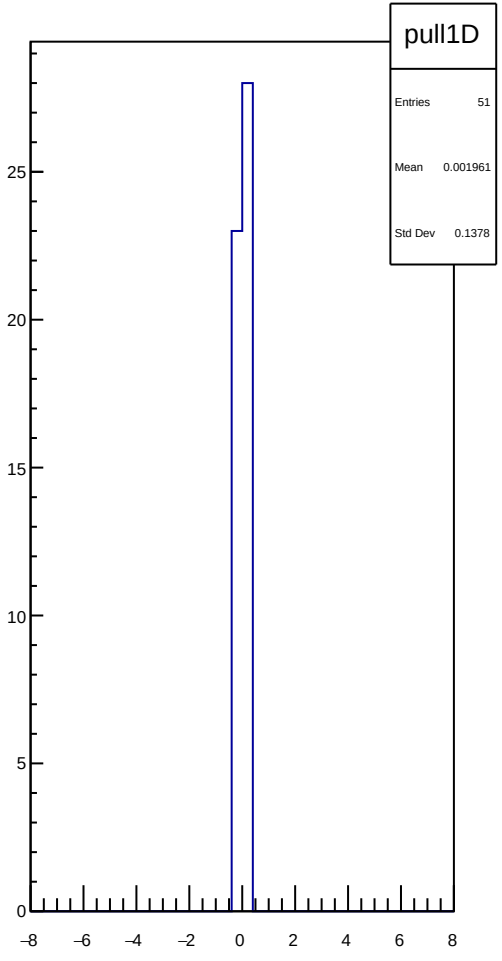

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 1.583 / 50
p0 −2.492 ± 2.668
pull
Entries 51
Mean 275.7
Std Dev 250.5
pull1D
Entries 51
Mean −0.004341
Std Dev 0.1761

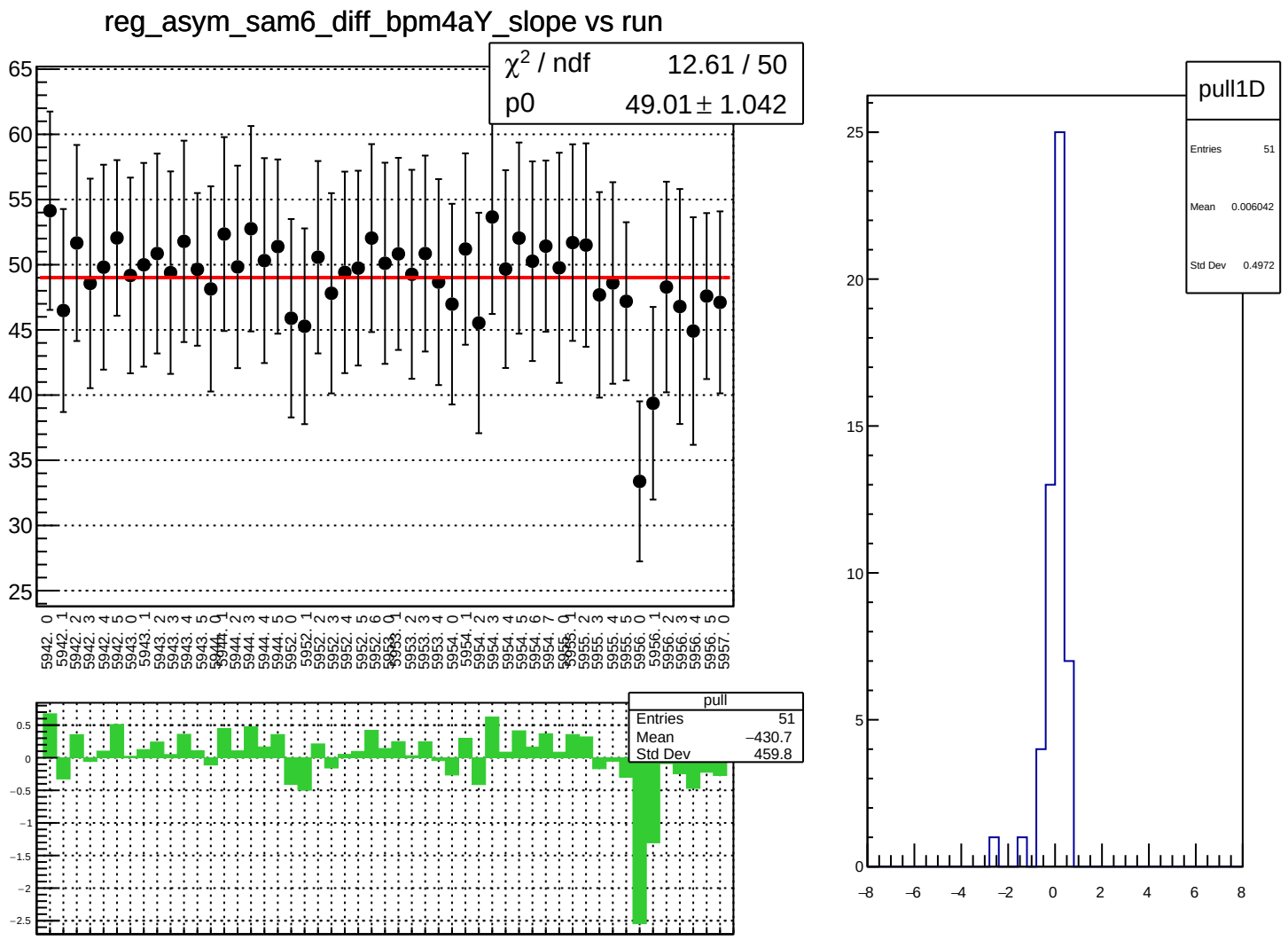

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 18.14 / 50
p0 96.59 ± 1.214
120
110
100
90
80
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5952. 9
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
5956. 0
5957. 0
pull
Entries 51
Mean −312.2
Std Dev 338.1
2.5
2
1.5
1
0.5
0
−0.5
pull1D
Entries 51
Mean −0.01381
Std Dev 0.5963
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

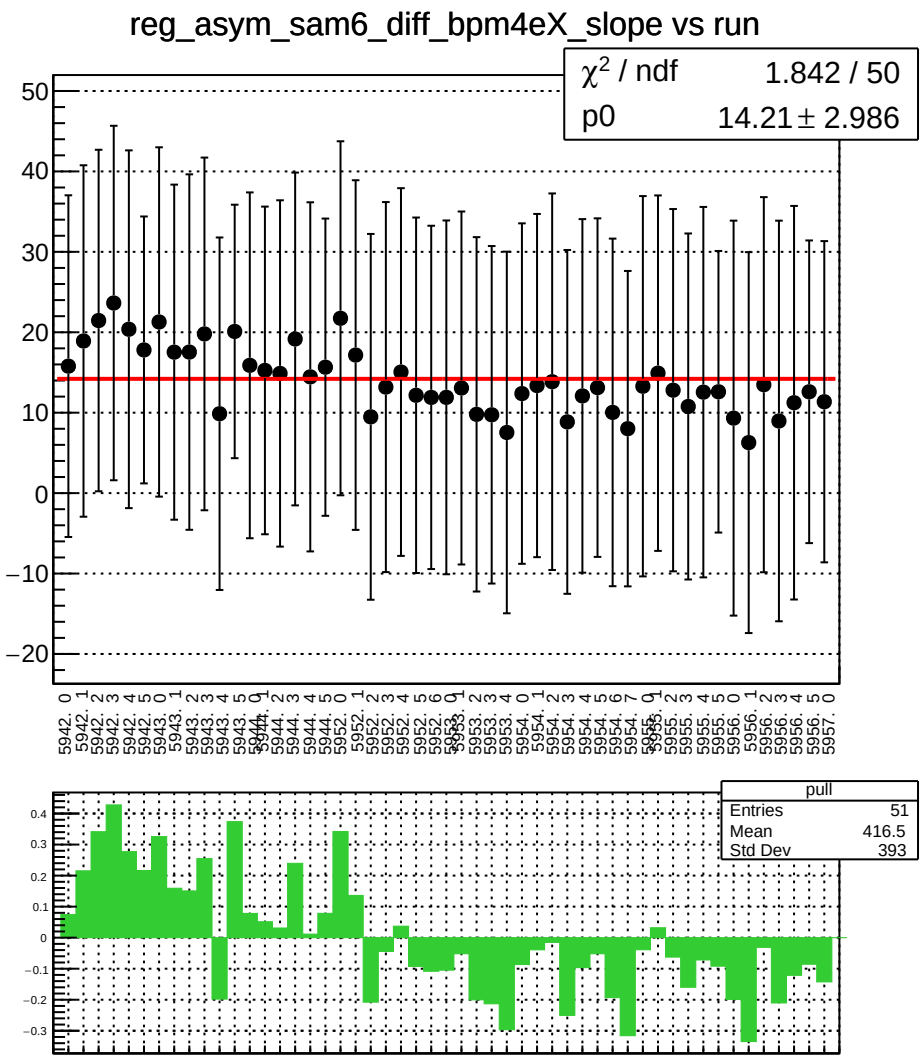

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 1.808 / 50
p0 −0.3563 ± 0.1108
pull
Entries 51
Mean −702.7
Std Dev 732.3

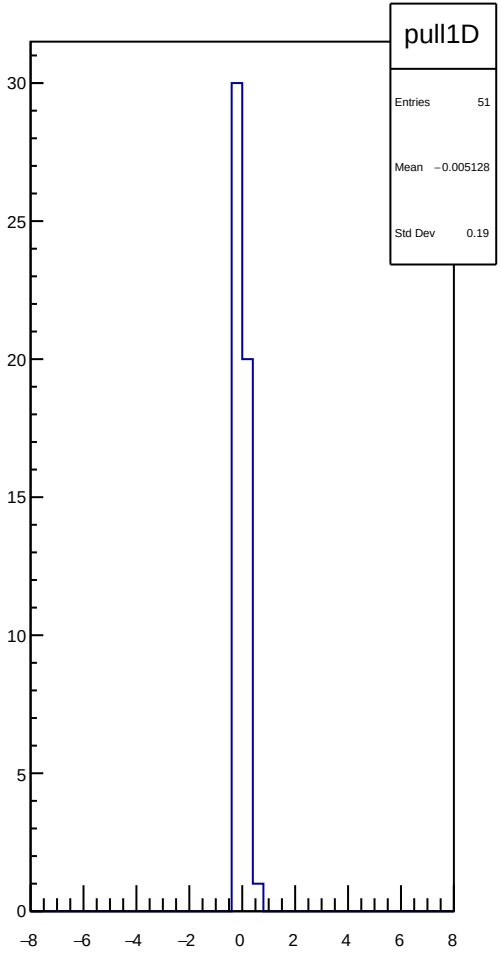

pull1D
Entries 51
Mean 0.0008366
Std Dev 0.1883

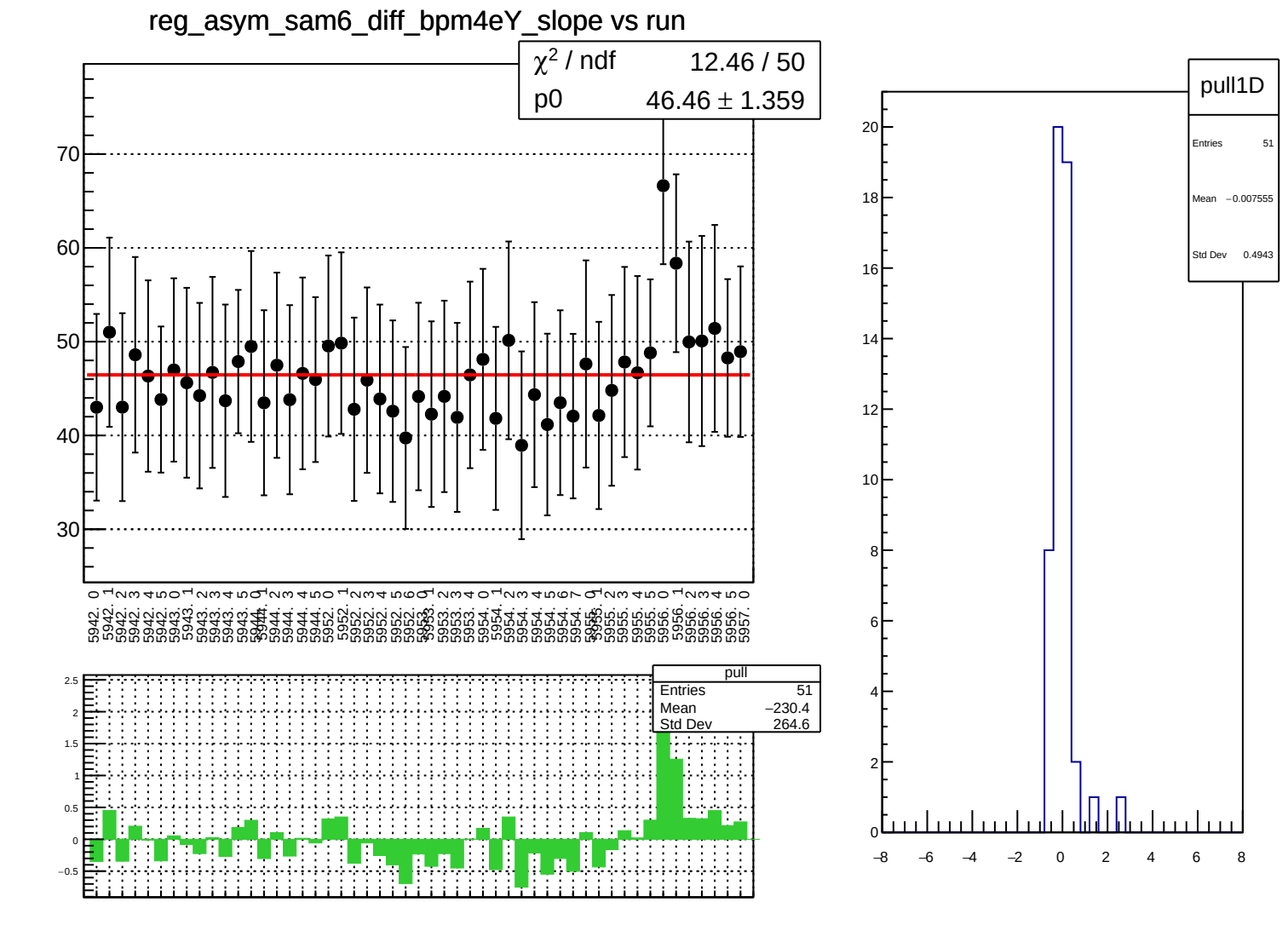

reg_asym_sam6_diff_bpm4aX_slope vs run
χ^2 / ndf 0.9689 / 50
p0 39.06 ± 2.814
pull
Entries 51
Mean 513
Std Dev 488.6

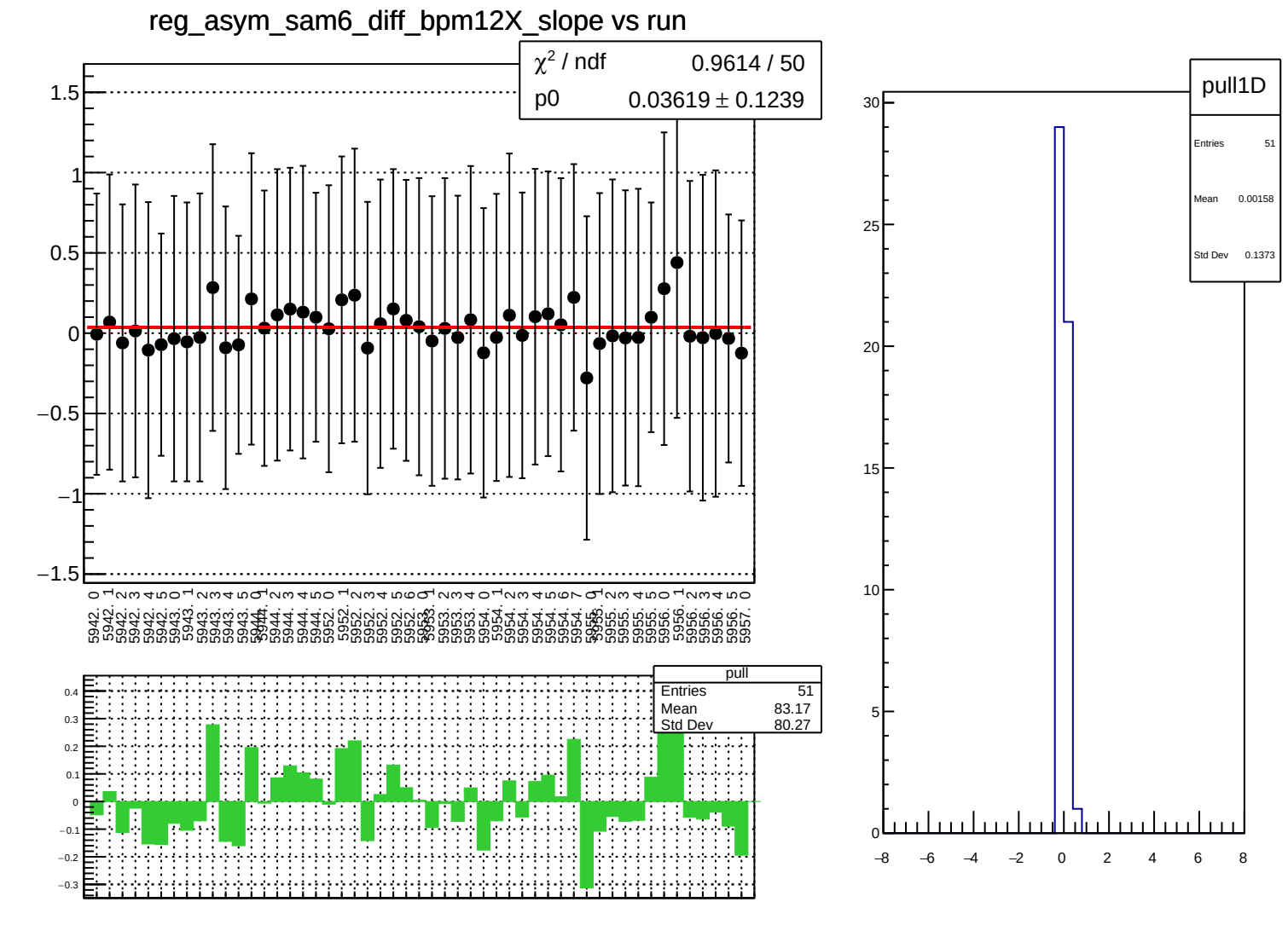

pull1D
Entries 51
Mean 0.001961
Std Dev 0.1378

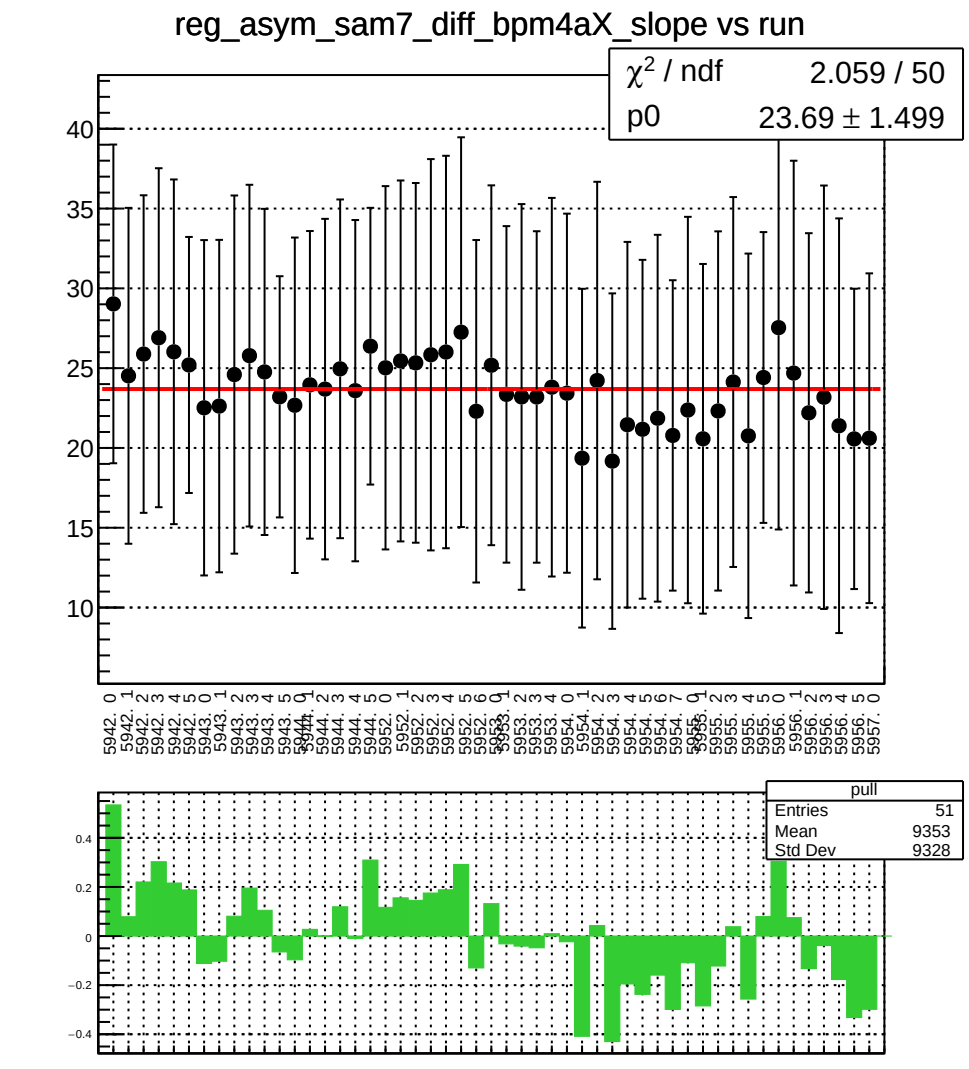

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 12.61 / 50
p0 49.01 ± 1.042
pull
Entries 51
Mean −430.7
Std Dev 459.8
pull1D
Entries 51
Mean 0.006042
Std Dev 0.4972

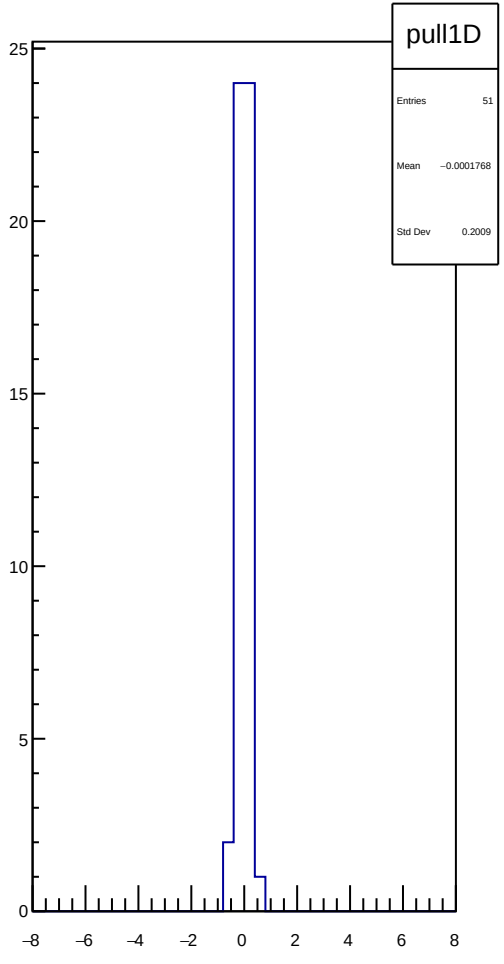

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 1.842 / 50
p0 14.21 ± 2.986
pull
Entries 51
Mean 416.5
Std Dev 393

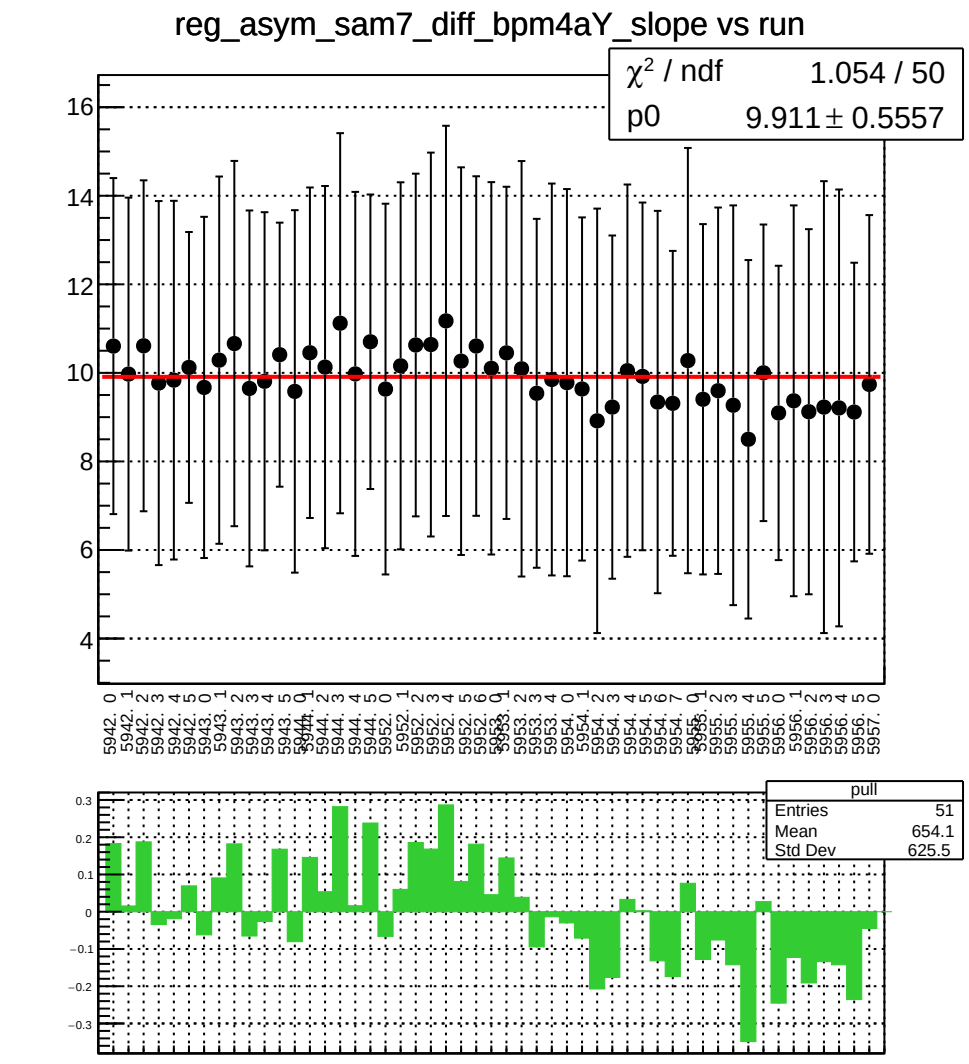

pull1D
Entries 51
Mean −0.005128
Std Dev 0.19

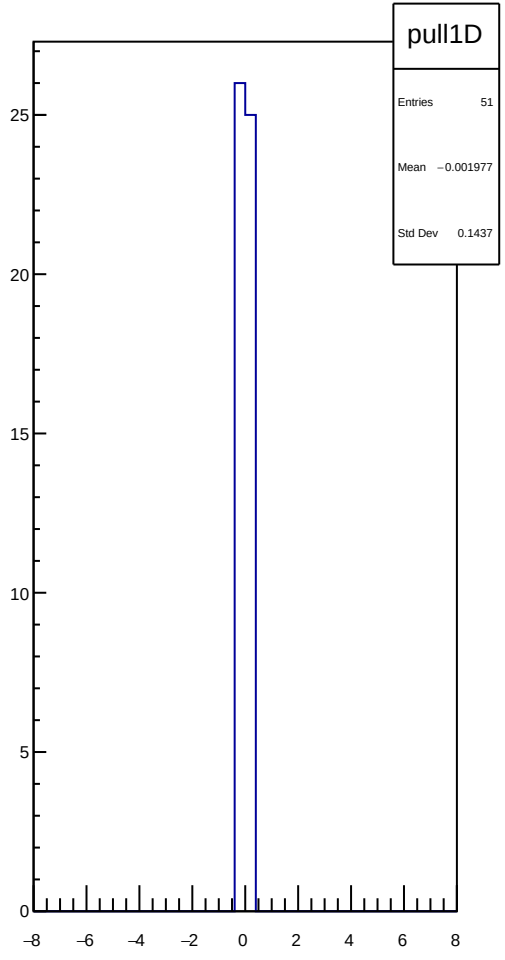

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 12.46 / 50
p0 46.46 ± 1.359
pull
Entries 51
Mean −230.4
Std Dev 264.6
pull1D
Entries 51
Mean −0.007555
Std Dev 0.4943

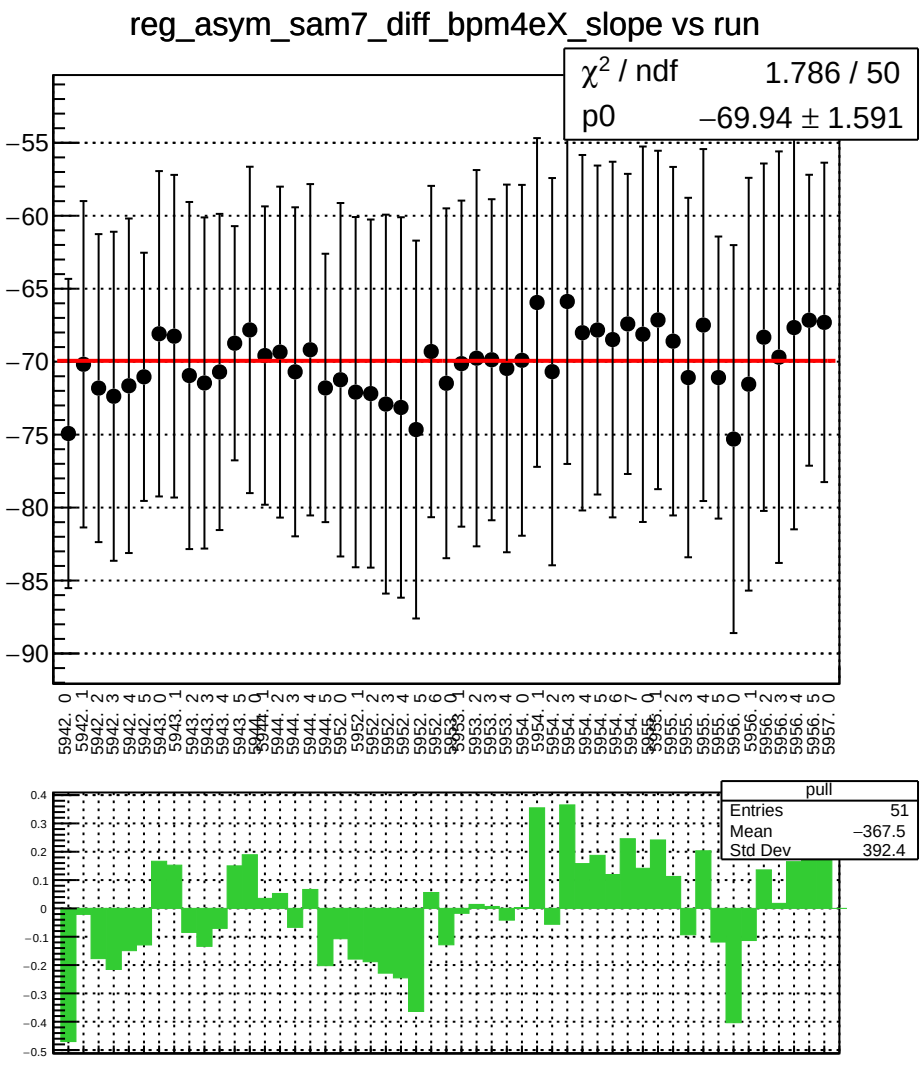

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 0.9614 / 50
p0 0.03619 ± 0.1239
pull
Entries 51
Mean 83.17
Std Dev 80.27
pull1D
Entries 51
Mean 0.00158
Std Dev 0.1373

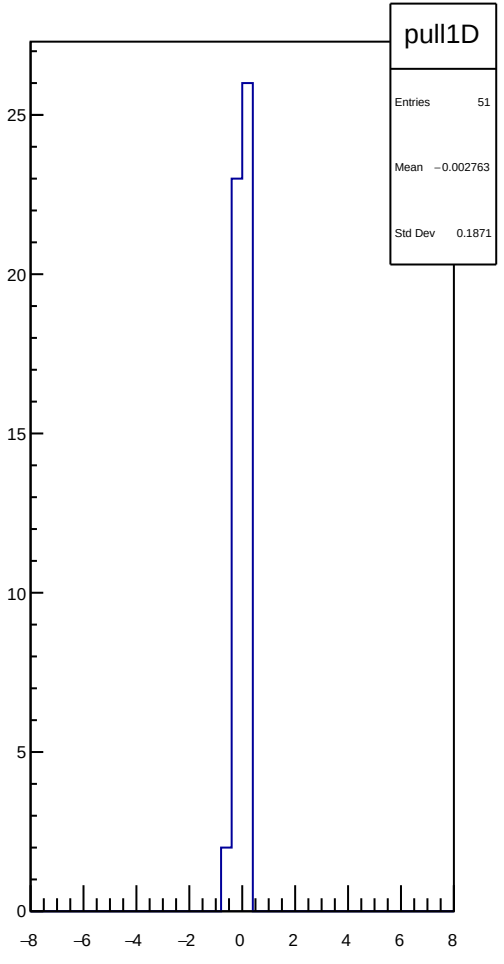

reg_asym_sam7_diff_bpm4aX_slope vs run
χ² / ndf 2.059 / 50
p0 23.69 ± 1.499
pull
Entries 51
Mean 9353
Std Dev 9328

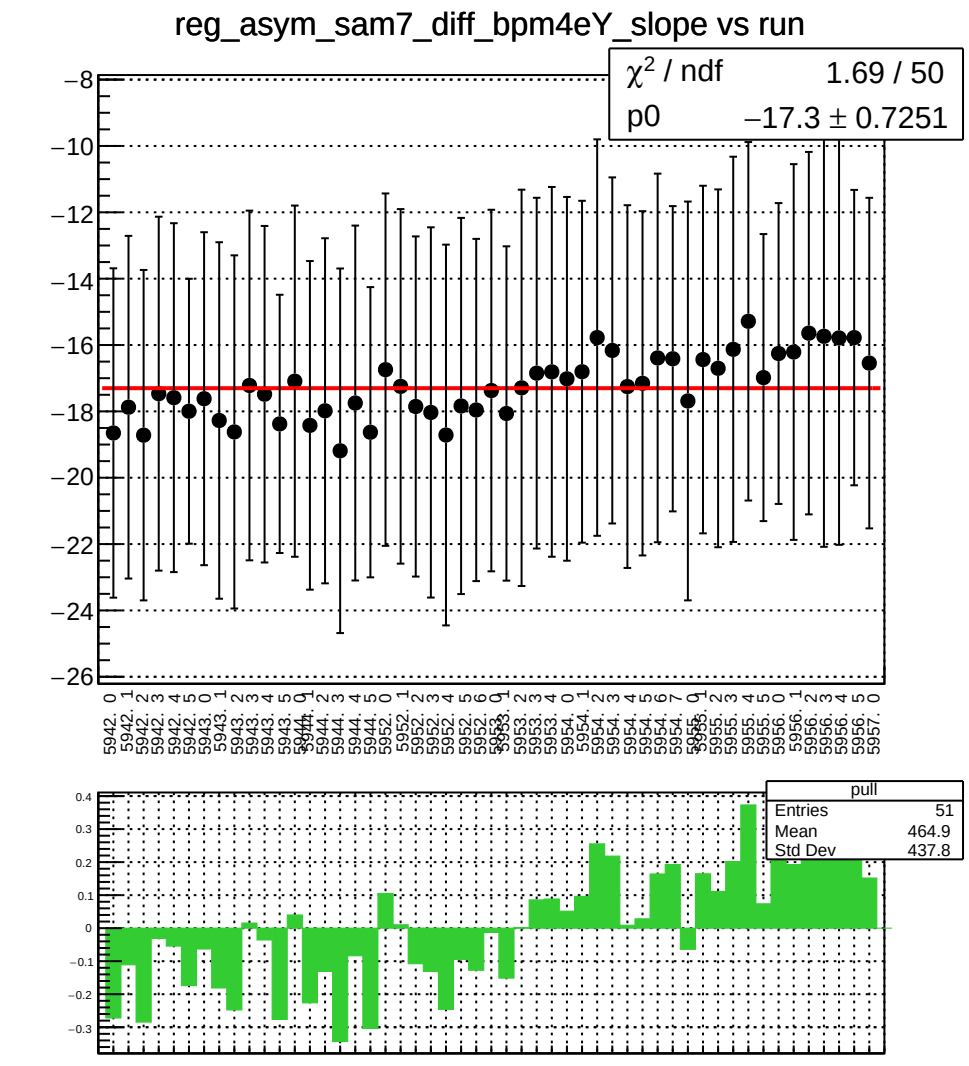

pull1D
Entries 51
Mean −0.0001768
Std Dev 0.2009

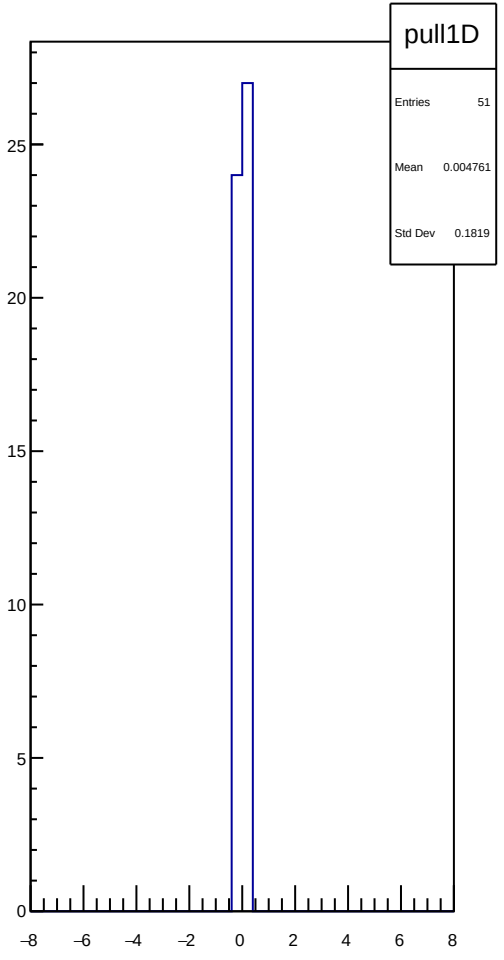

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 1.054 / 50
p0 9.911 ± 0.5557
pull
Entries 51
Mean 654.1
Std Dev 625.5

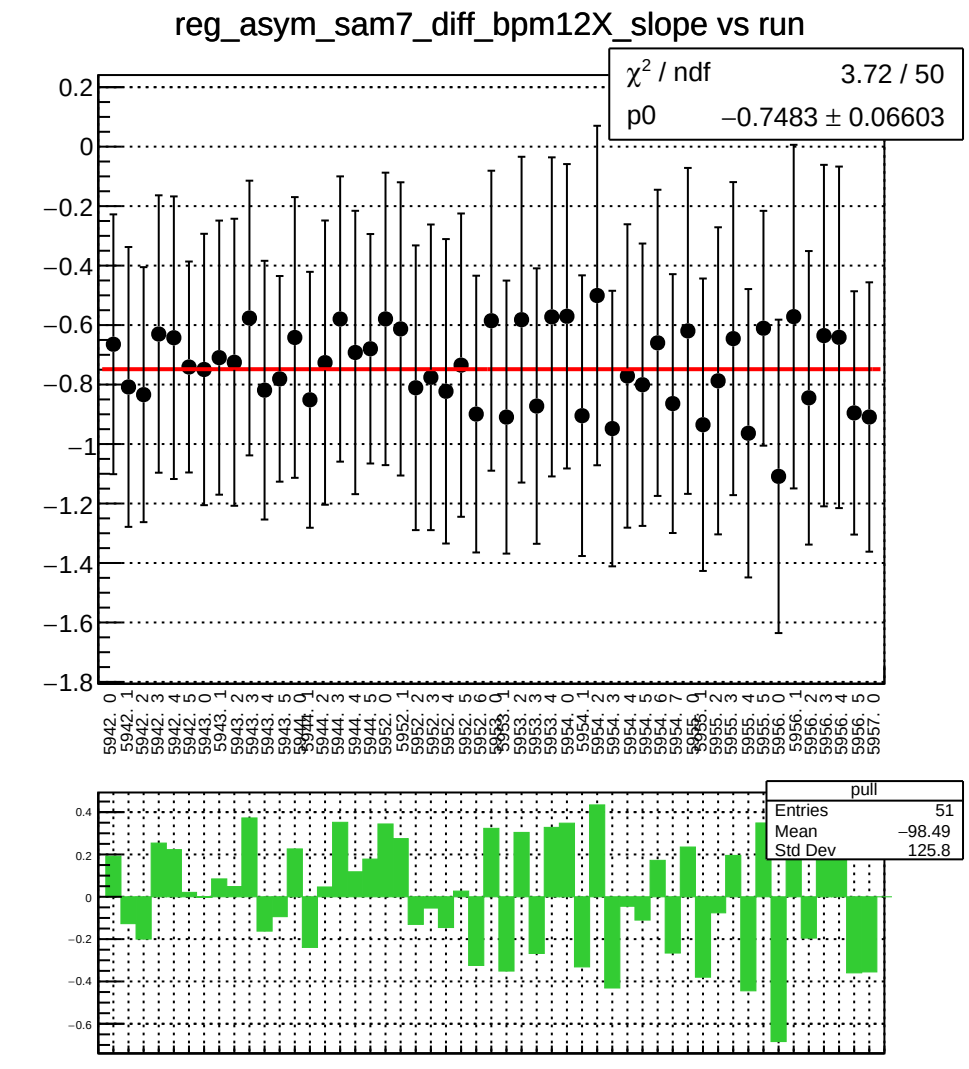

pull1D
Entries 51
Mean −0.001977
Std Dev 0.1437

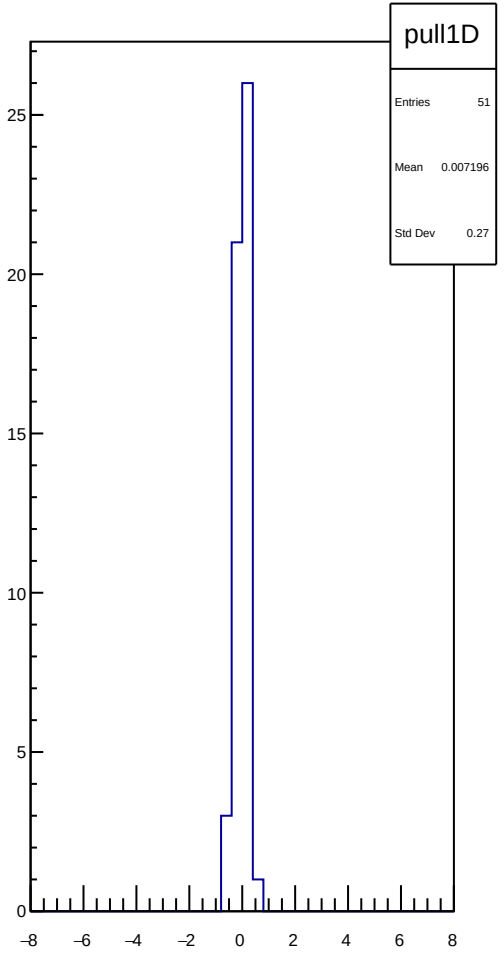

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 1.786 / 50
p0 −69.94 ± 1.591
pull
Entries 51
Mean −367.5
Std Dev 392.4

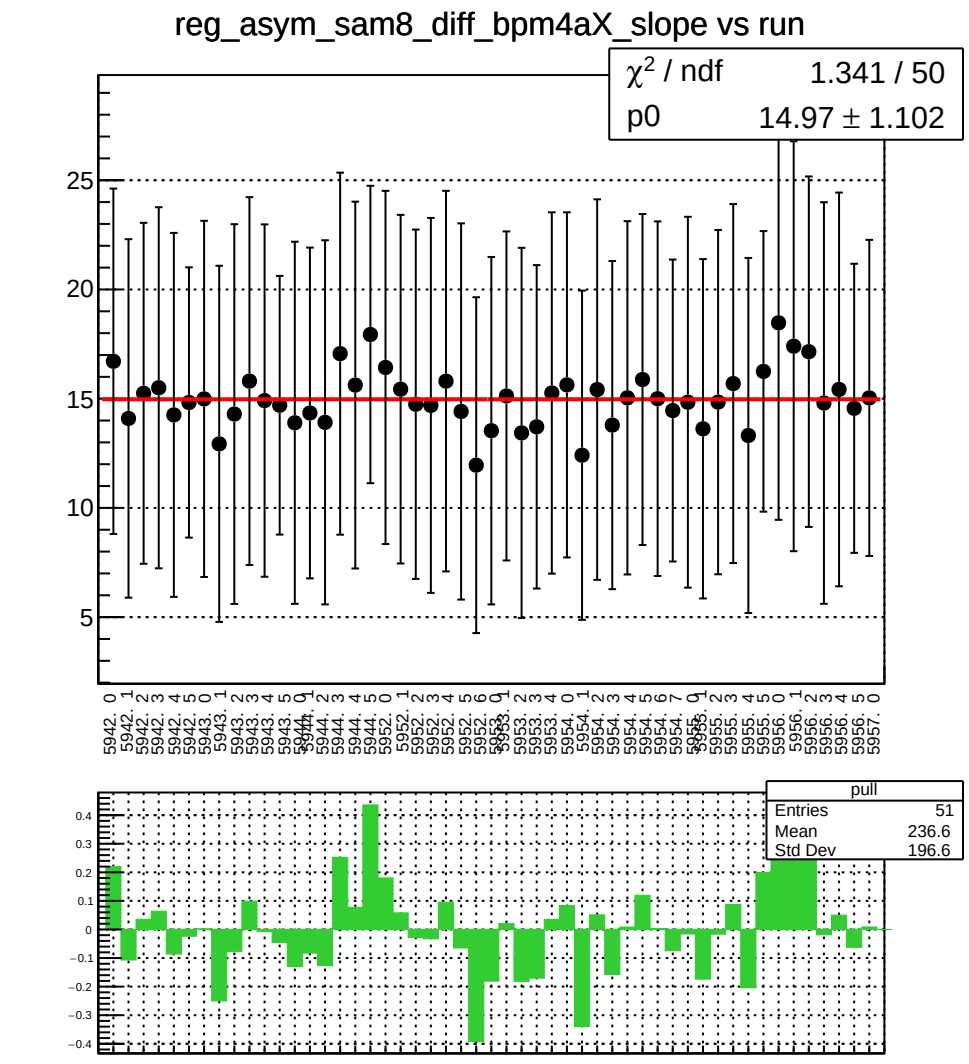

pull1D
Entries 51
Mean −0.002763
Std Dev 0.1871

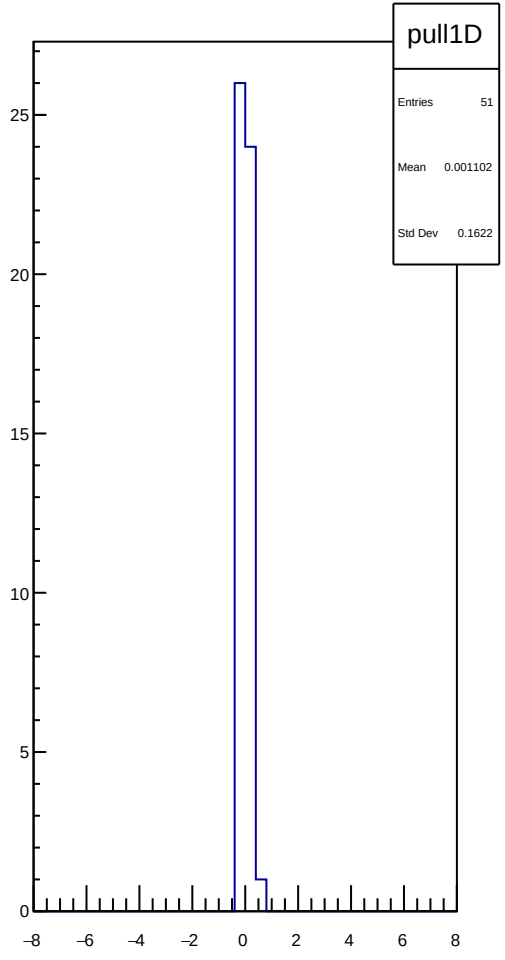

reg_asym_sam7_diff_bpm4eY_slope vs run
χ^2 / ndf 1.69 / 50
p0 −17.3 ± 0.7251
pull
Entries 51
Mean 464.9
Std Dev 437.8

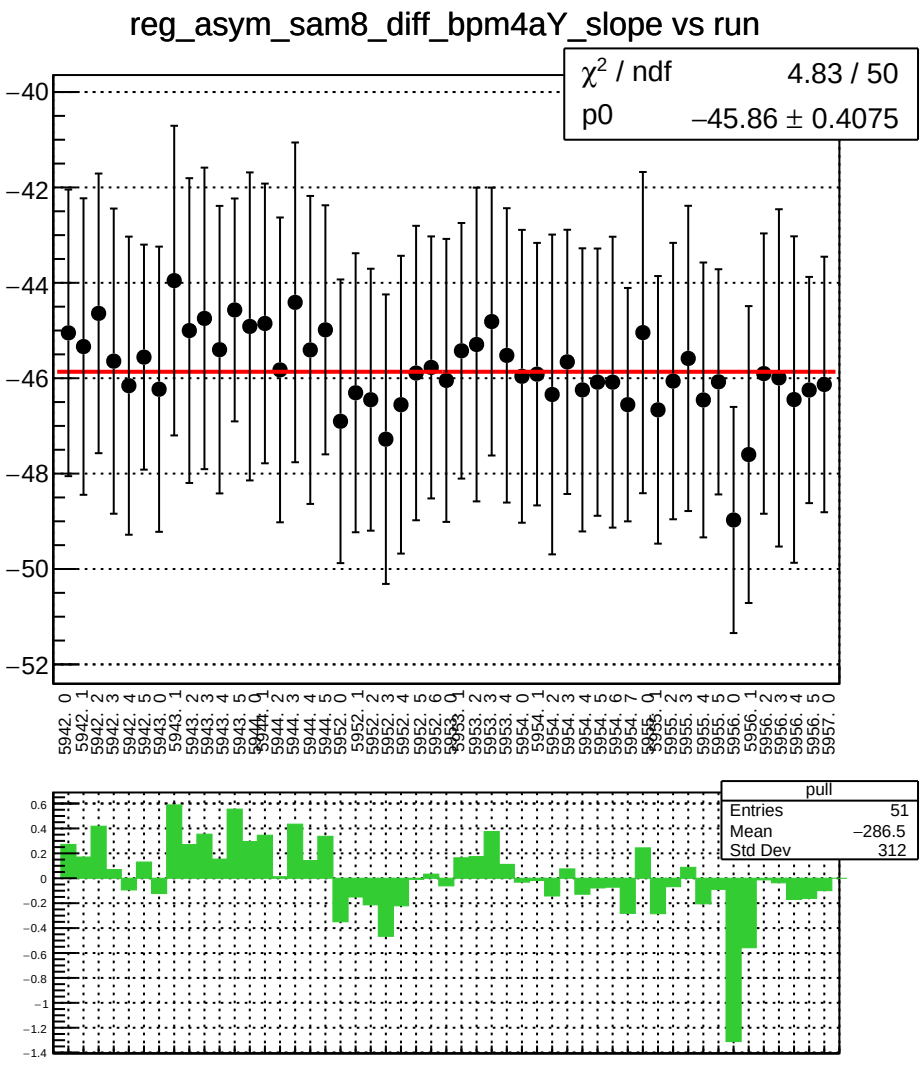

pull1D
Entries 51
Mean 0.004761
Std Dev 0.1819

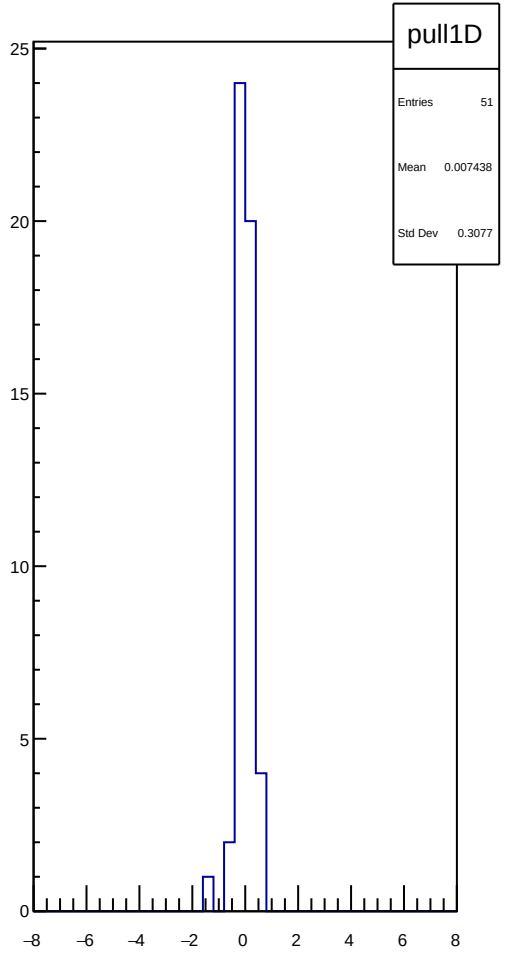

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 3.72 / 50
p0 −0.7483 ± 0.06603
pull
Entries 51
Mean −98.49
Std Dev 125.8

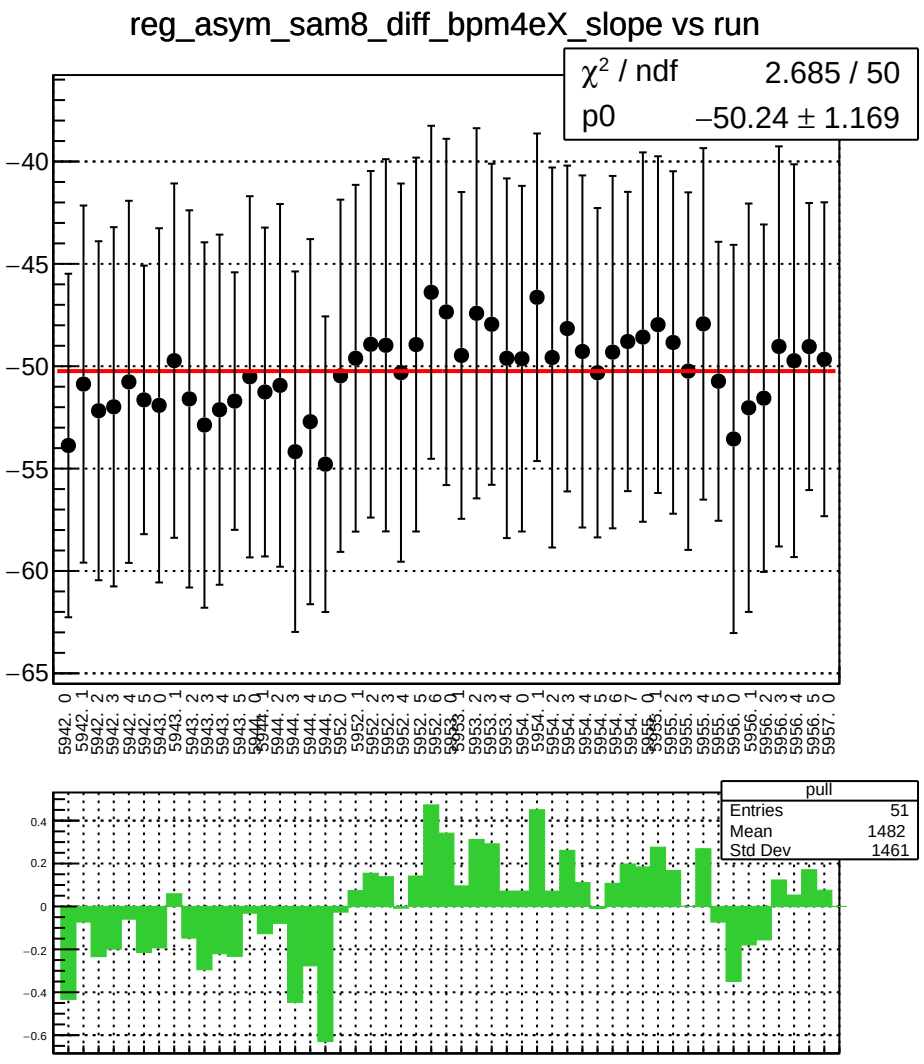

pull1D
Entries 51
Mean 0.007196
Std Dev 0.27

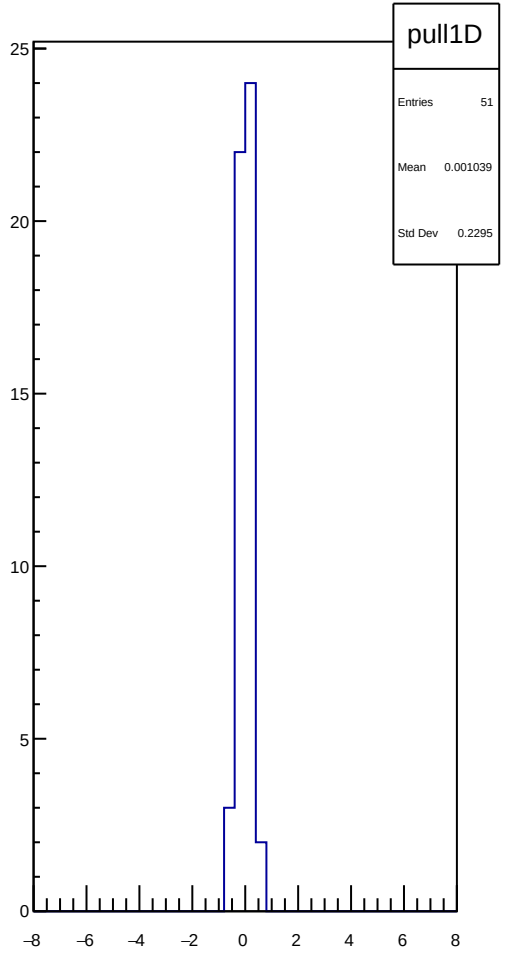

reg_asym_sam8_diff_bpm4aX_slope vs run
χ² / ndf 1.341 / 50
p0 14.97 ± 1.102
pull
Entries 51
Mean 236.6
Std Dev 196.6

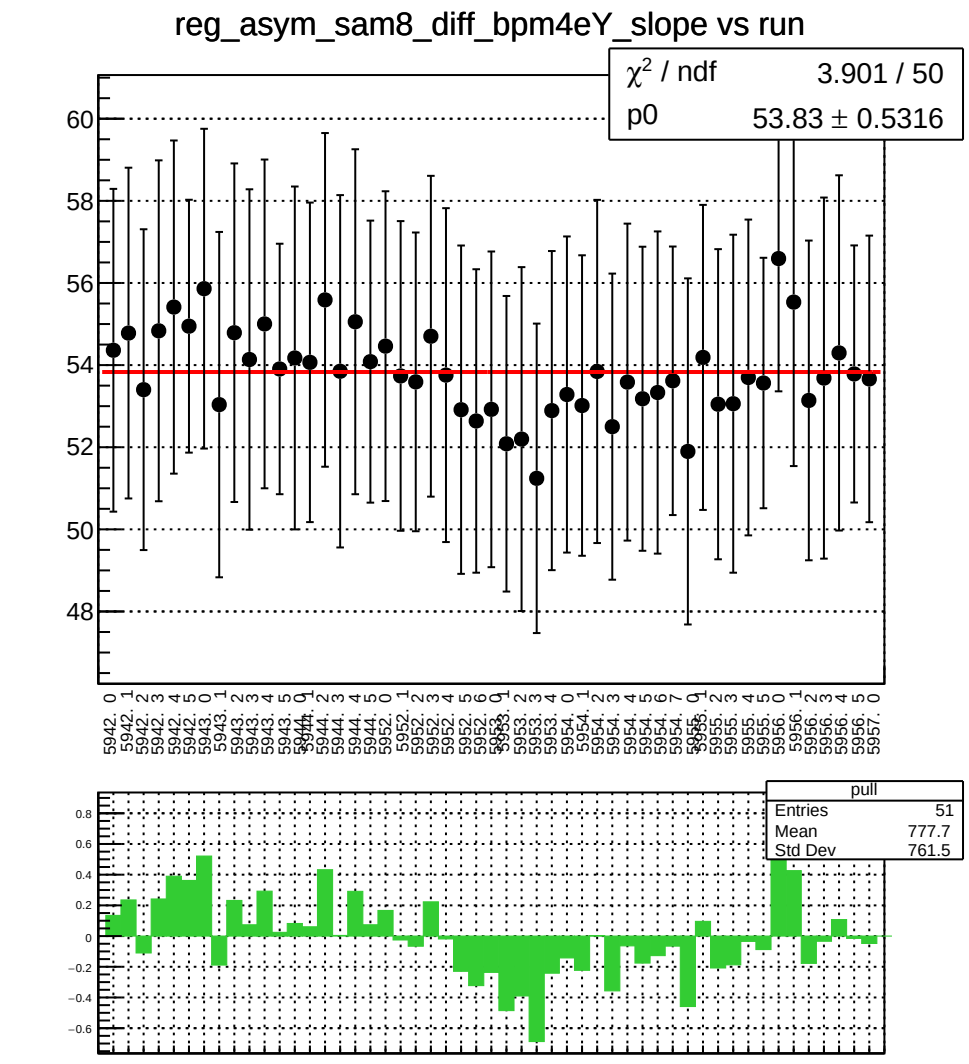

pull1D
Entries 51
Mean 0.001102
Std Dev 0.1622

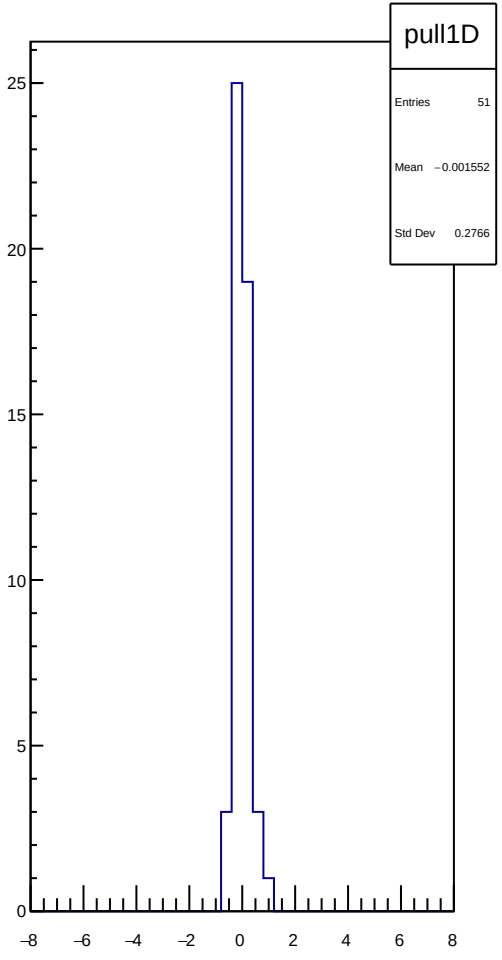

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 4.83 / 50
p0 −45.86 ± 0.4075
pull
Entries 51
Mean −286.5
Std Dev 312

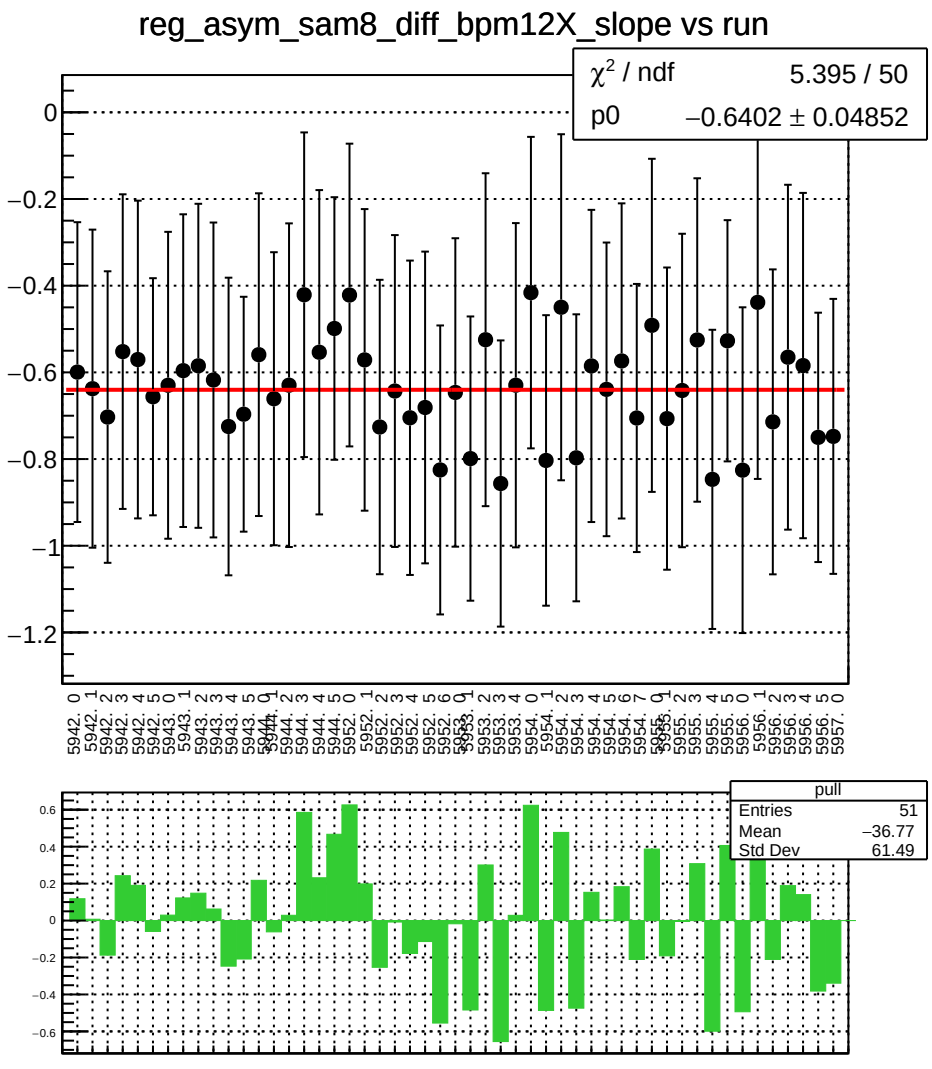

pull1D
Entries 51
Mean 0.007438
Std Dev 0.3077

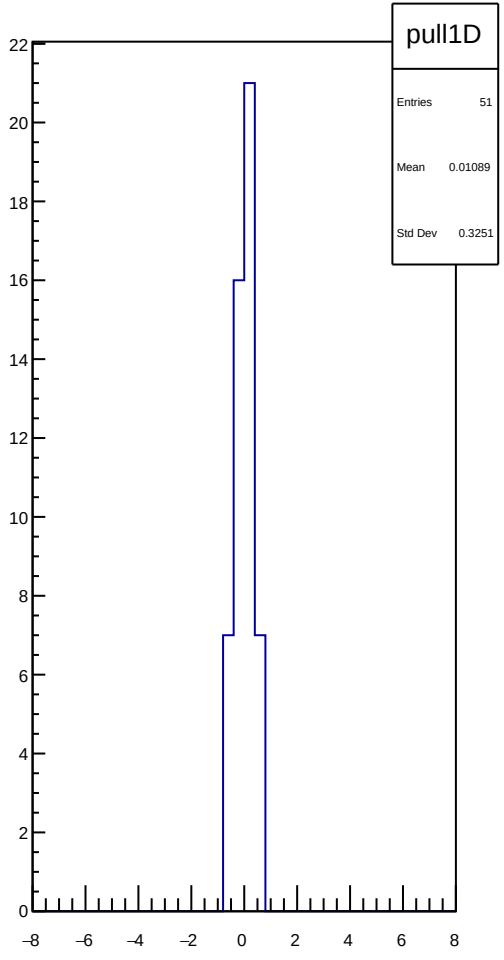

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 2.685 / 50
p0 −50.24 ± 1.169
pull
Entries 51
Mean 1482
Std Dev 1461

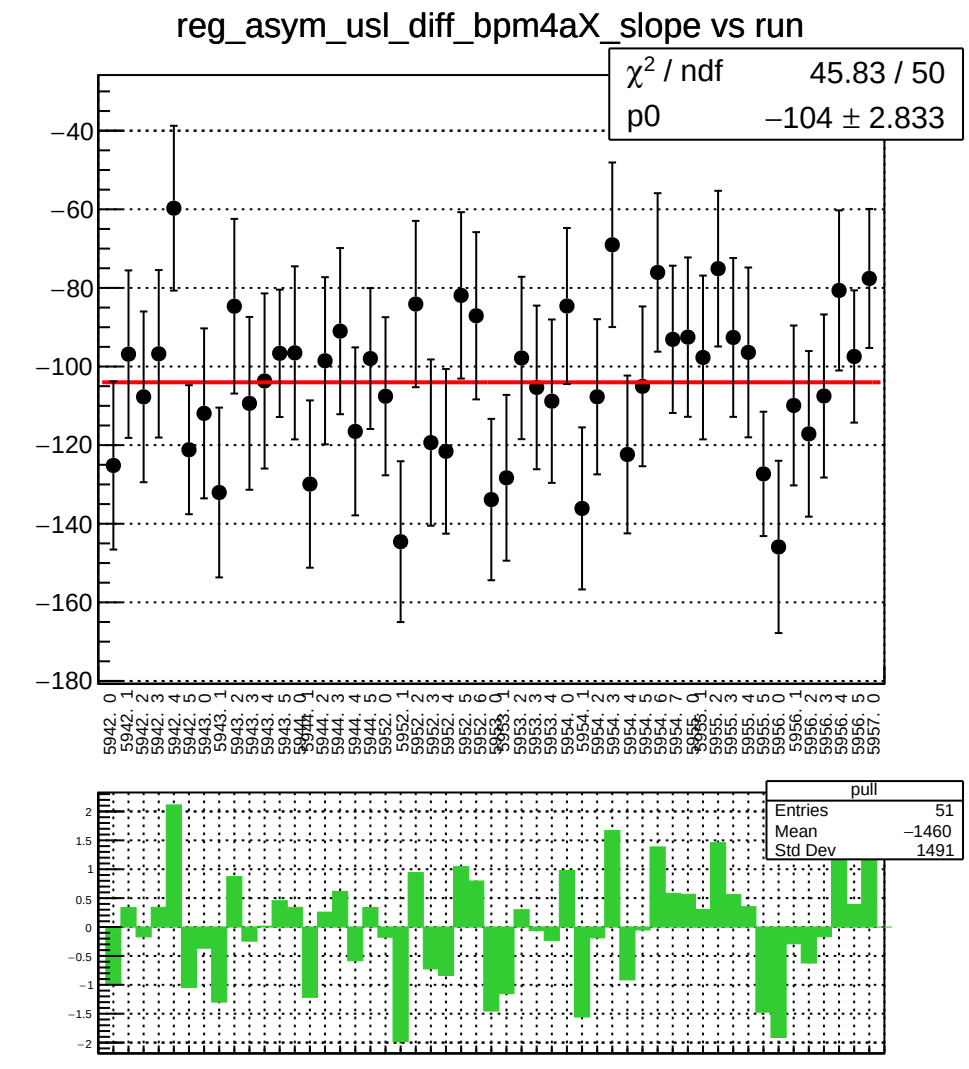

pull1D
Entries 51
Mean 0.001039
Std Dev 0.2295

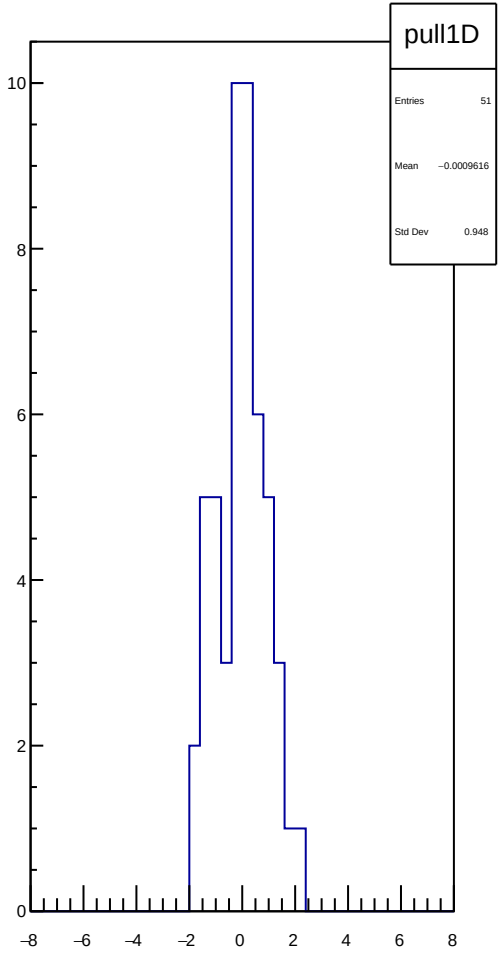

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 3.901 / 50
p0 53.83 ± 0.5316
pull
Entries 51
Mean 777.7
Std Dev 761.5

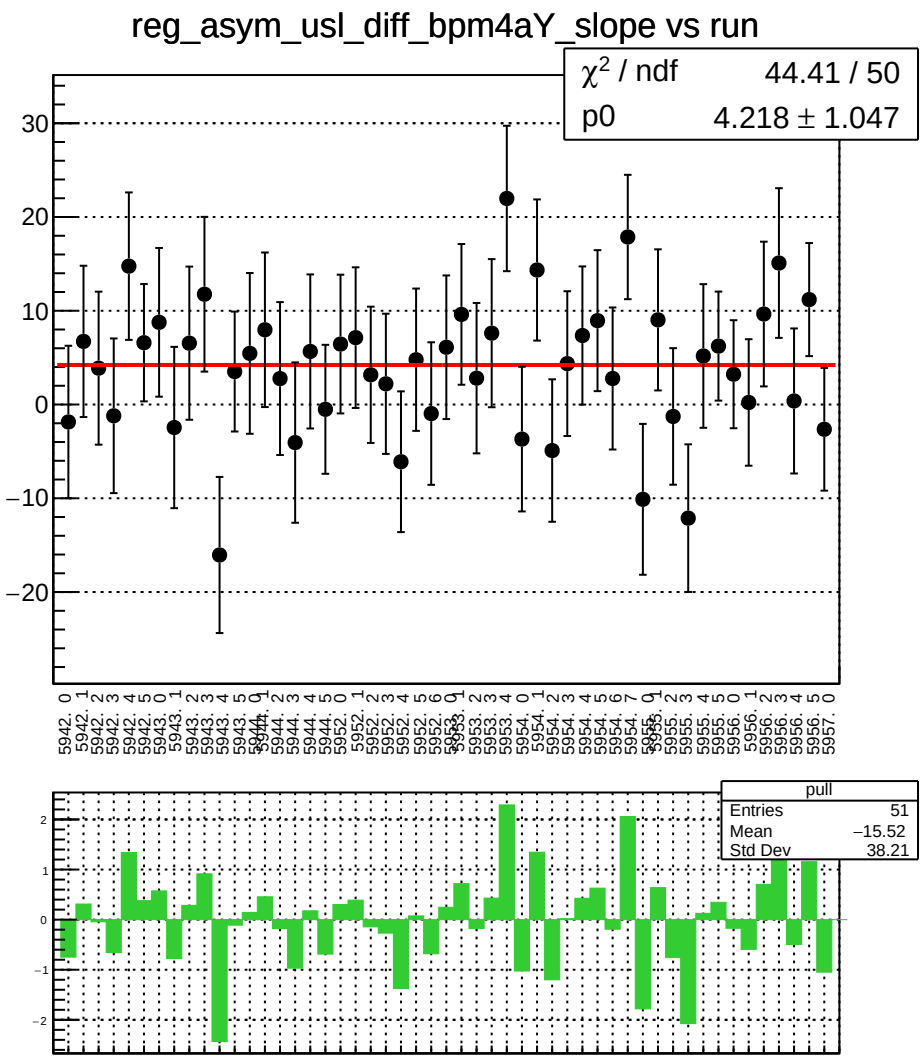

pull1D
Entries 51
Mean −0.001552
Std Dev 0.2766

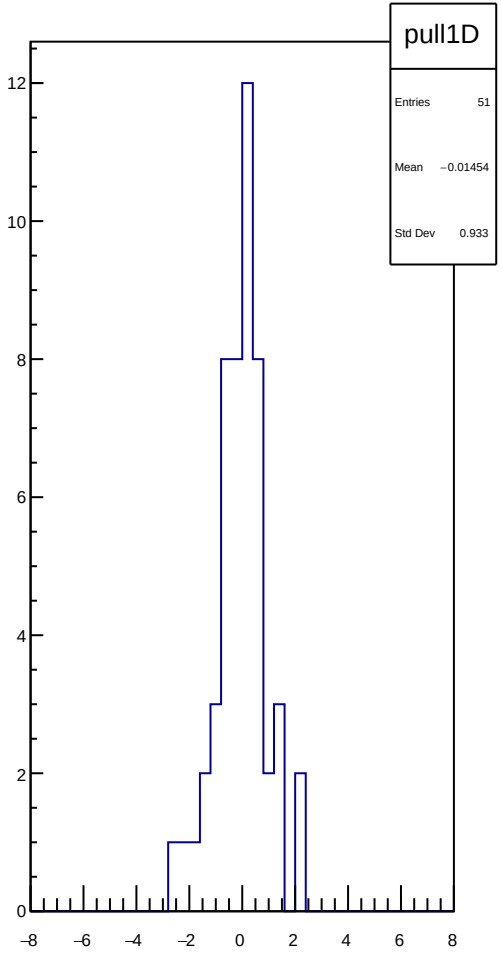

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 5.395 / 50
p0 −0.6402 ± 0.04852
pull
Entries 51
Mean −36.77
Std Dev 61.49

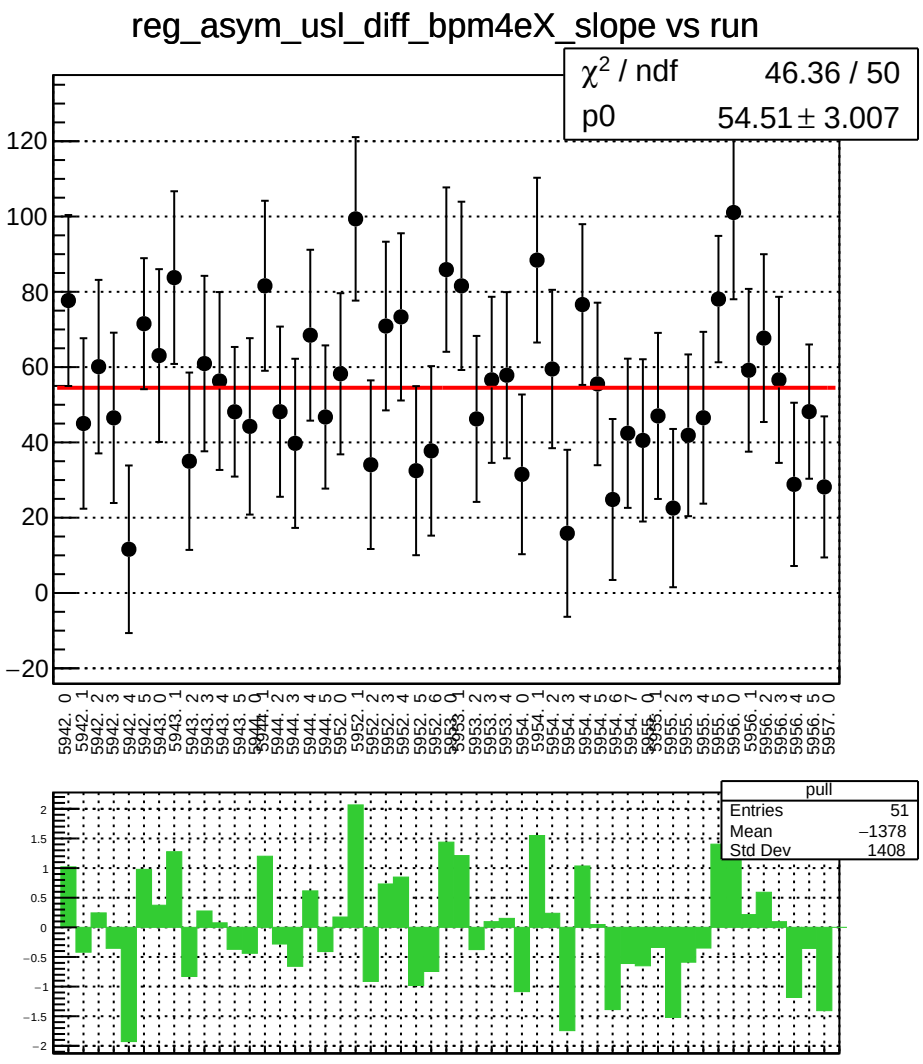

pull1D
Entries 51
Mean 0.01089
Std Dev 0.3251

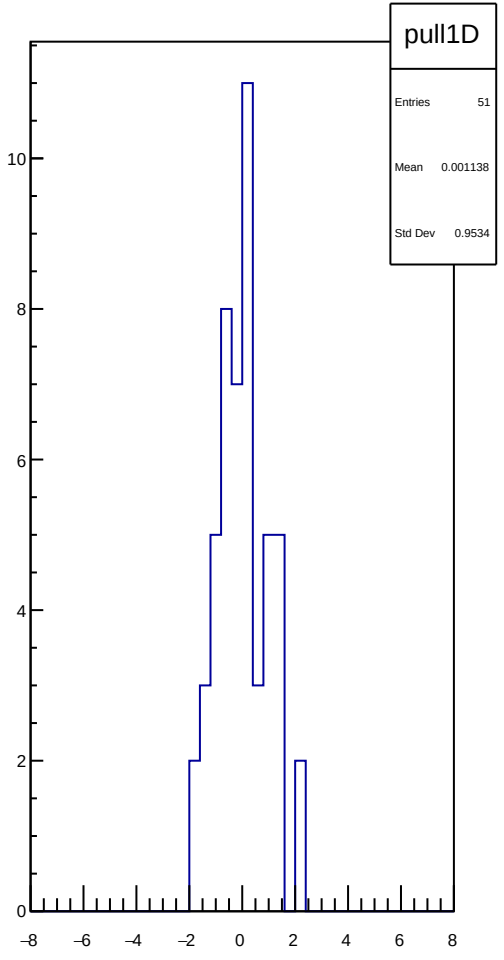

reg_asym_usl_diff_bpm4aX_slope vs run
χ² / ndf 45.83 / 50
p0 −104 ± 2.833
pull
Entries 51
Mean −1460
Std Dev 1491

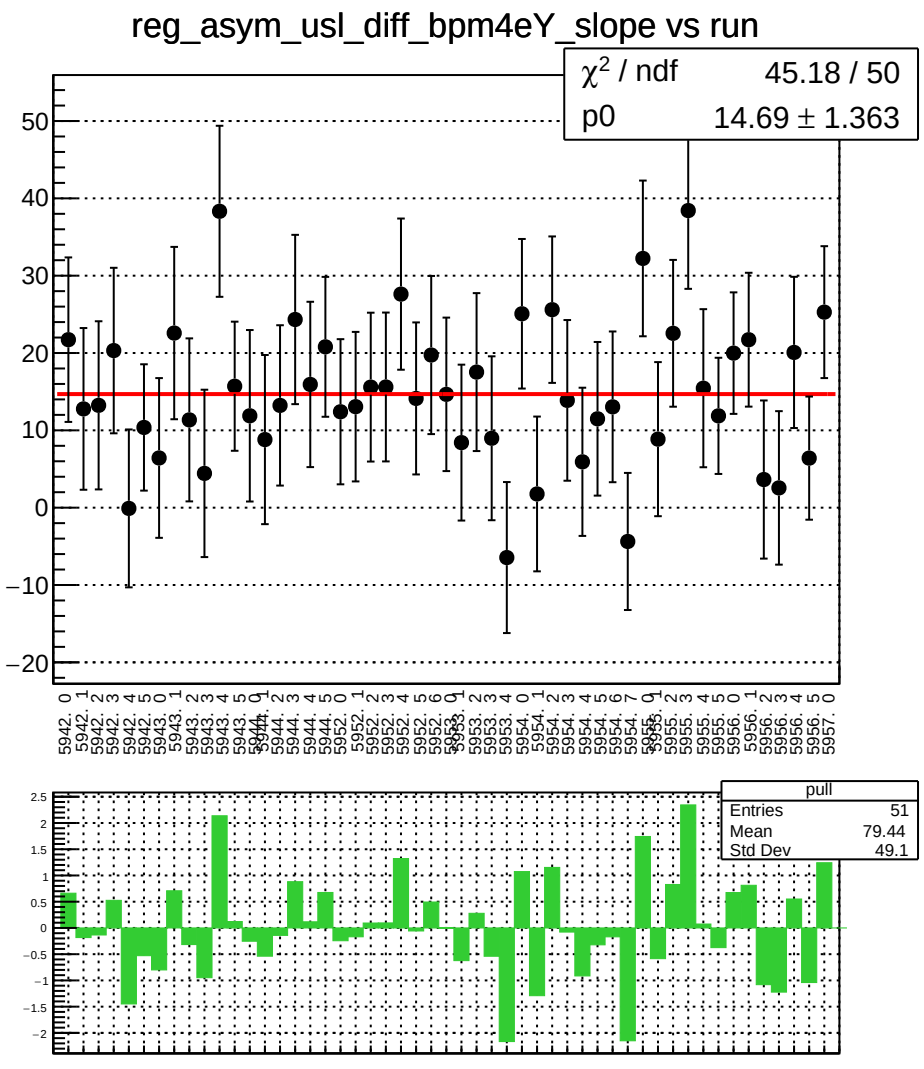

pull1D
Entries 51
Mean −0.0009616
Std Dev 0.948

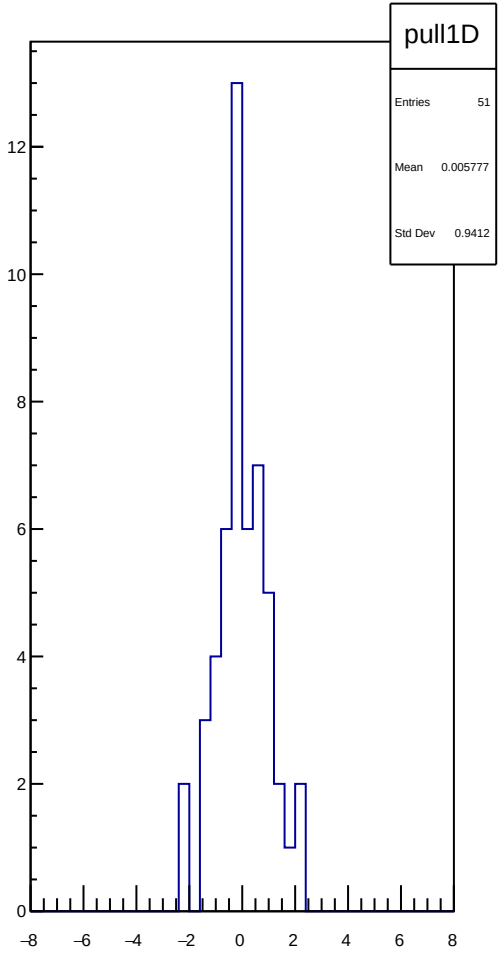

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 44.41 / 50
p0 4.218 ± 1.047
pull
Entries 51
Mean −15.52
Std Dev 38.21

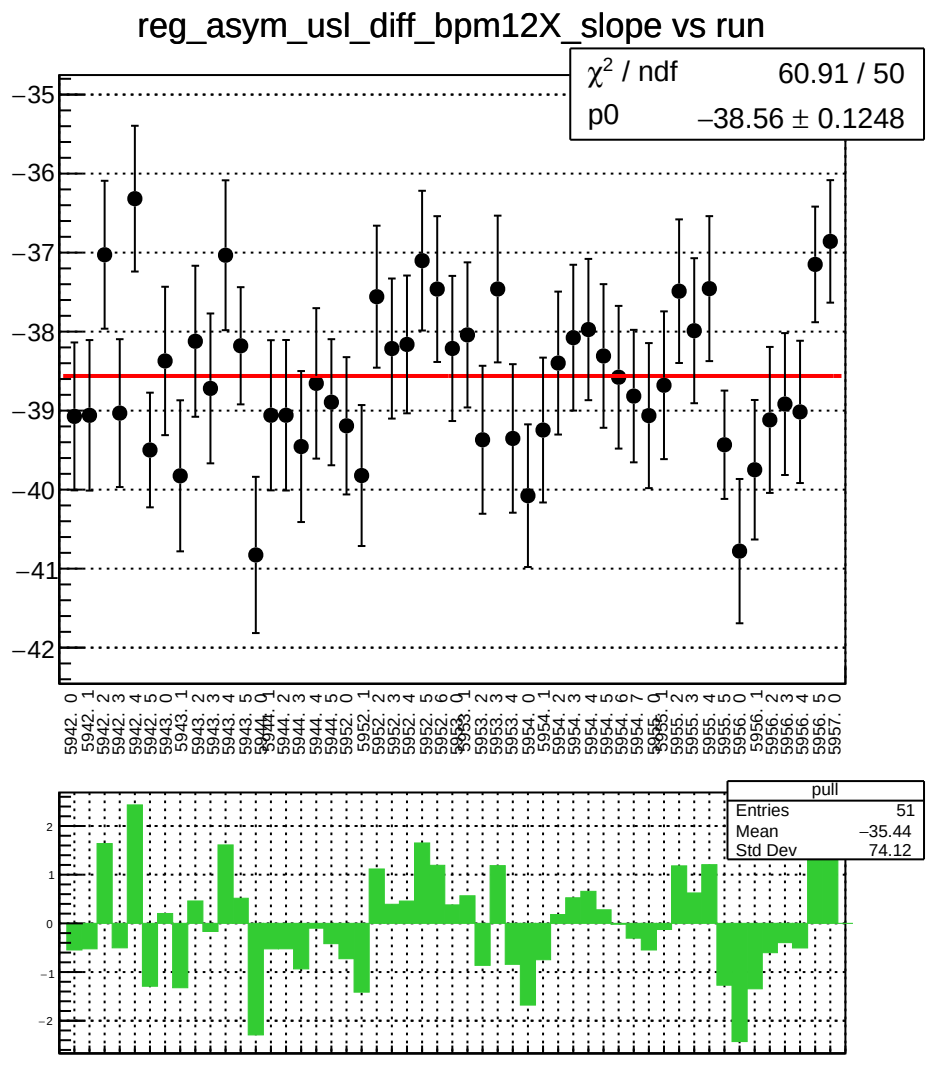

pull1D
Entries 51
Mean −0.01454
Std Dev 0.933

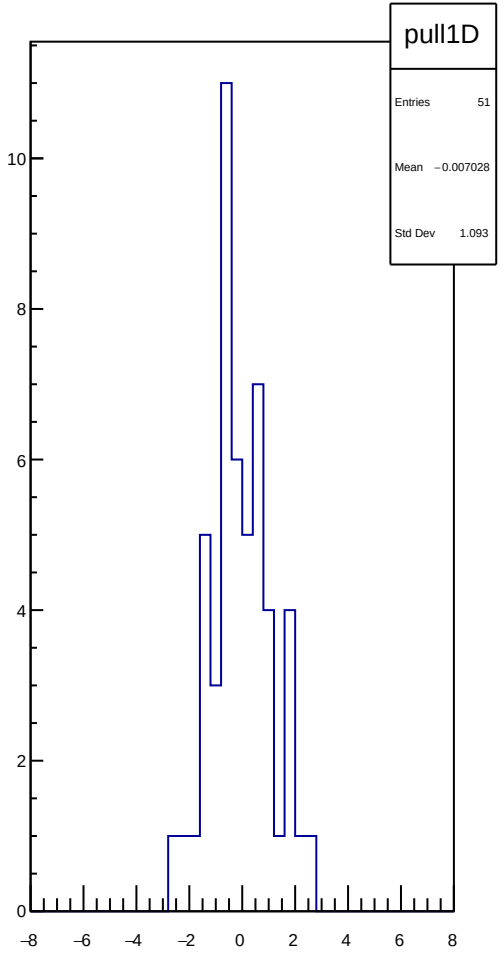

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 46.36 / 50
p0 54.51 ± 3.007
pull
Entries 51
Mean −1378
Std Dev 1408

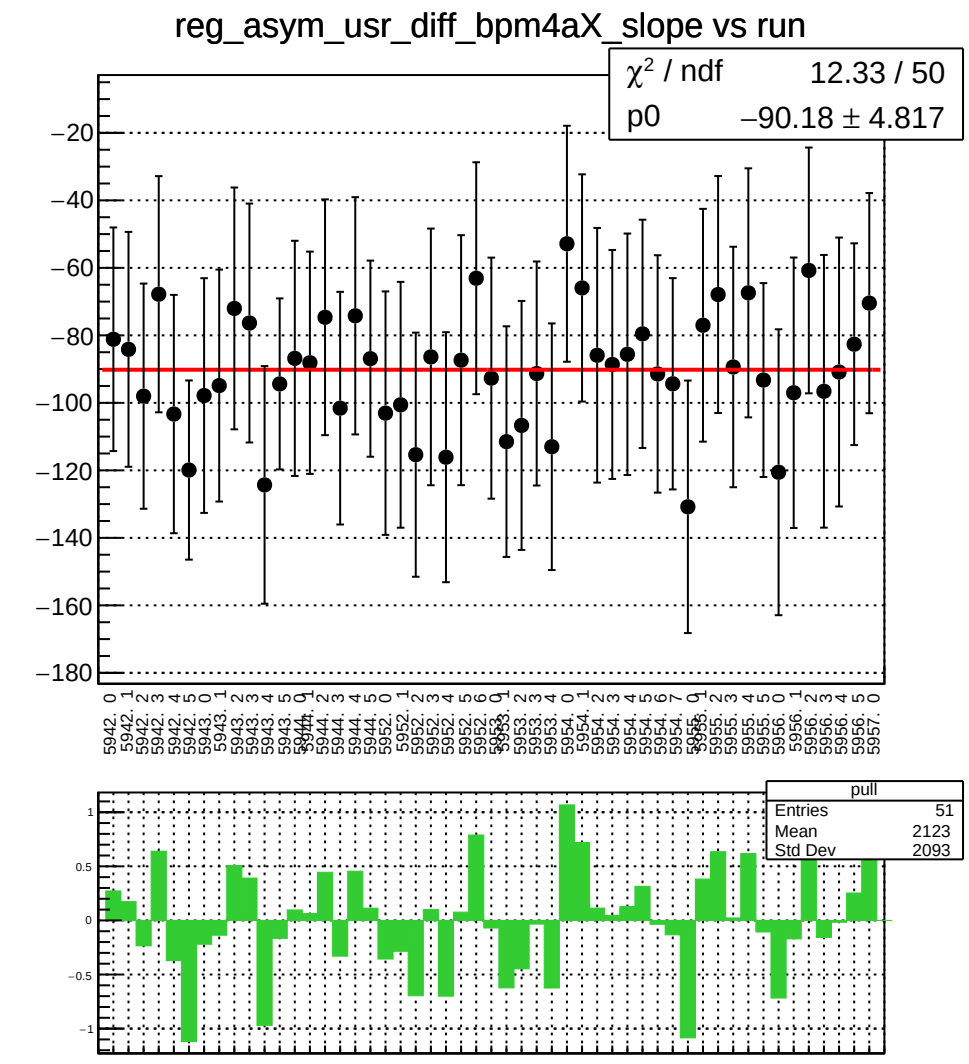

pull1D
Entries 51
Mean 0.001138
Std Dev 0.9534

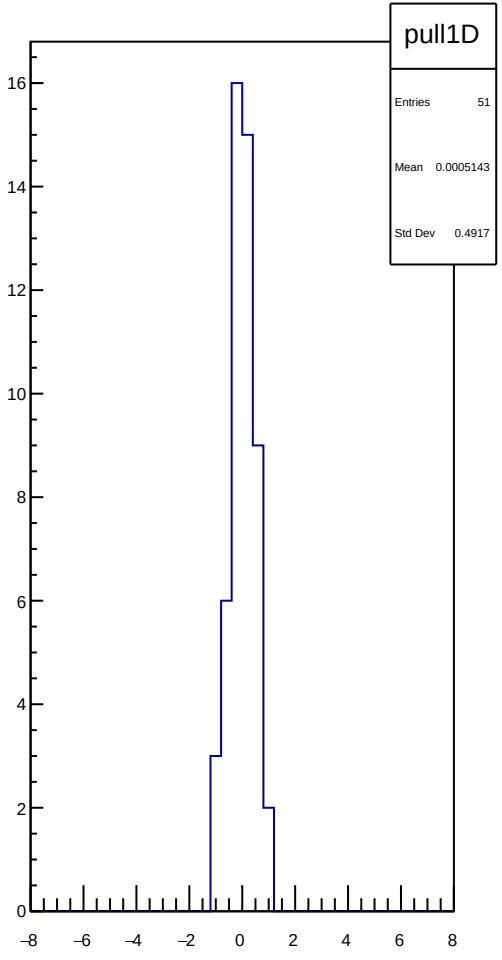

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 45.18 / 50
p0 14.69 ± 1.363
pull
Entries 51
Mean 79.44
Std Dev 49.1

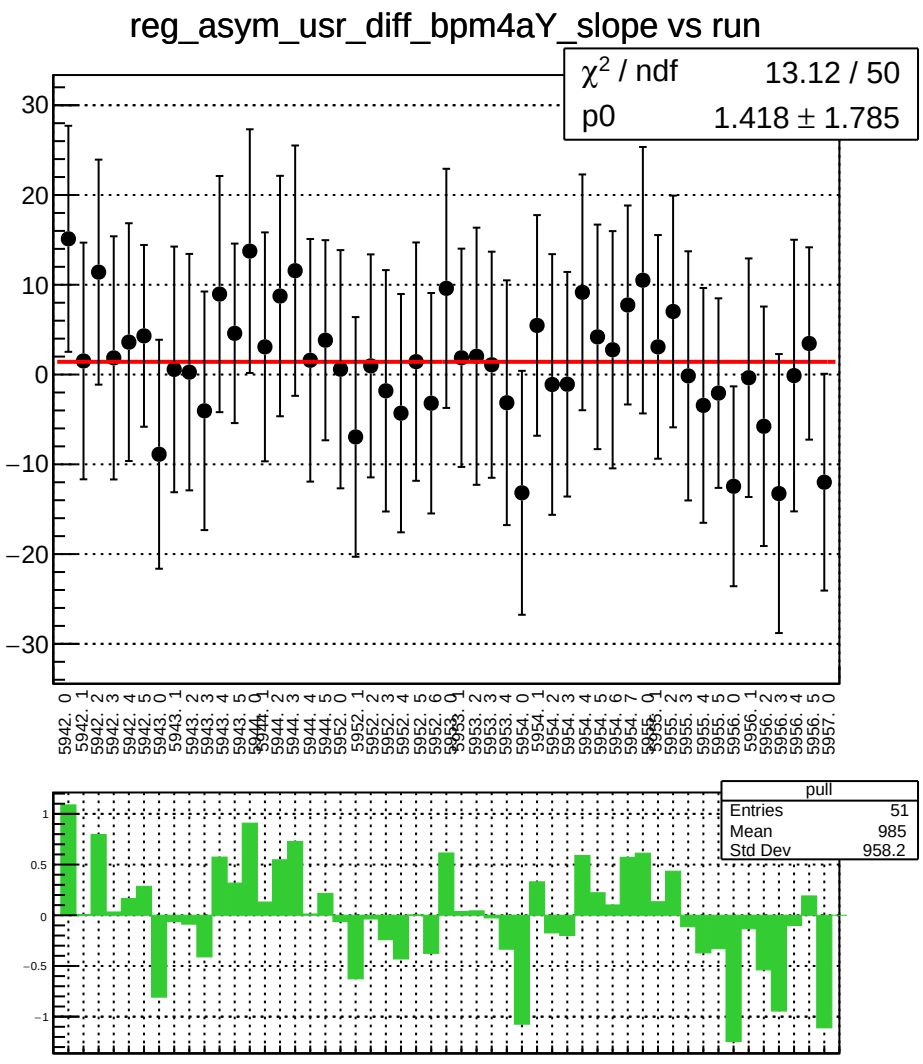

pull1D
Entries 51
Mean 0.005777
Std Dev 0.9412

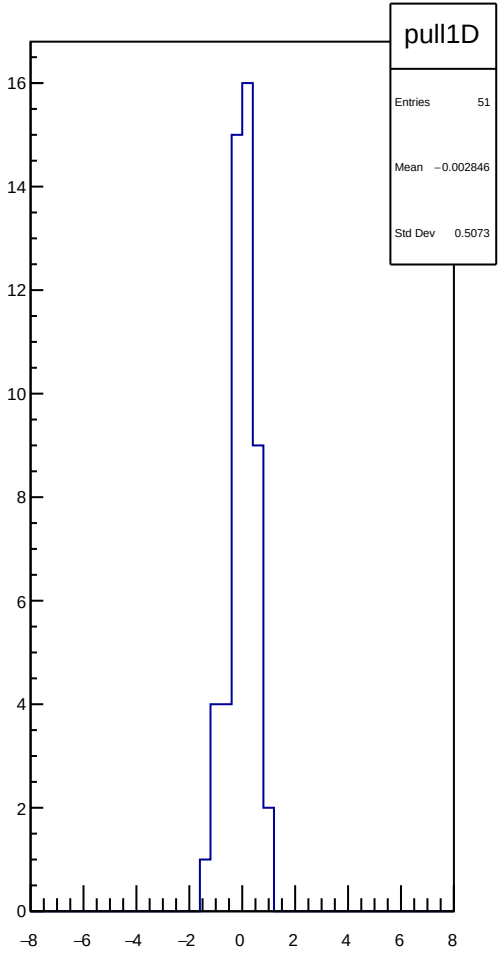

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 60.91 / 50
p0 −38.56 ± 0.1248
pull
Entries 51
Mean −35.44
Std Dev 74.12

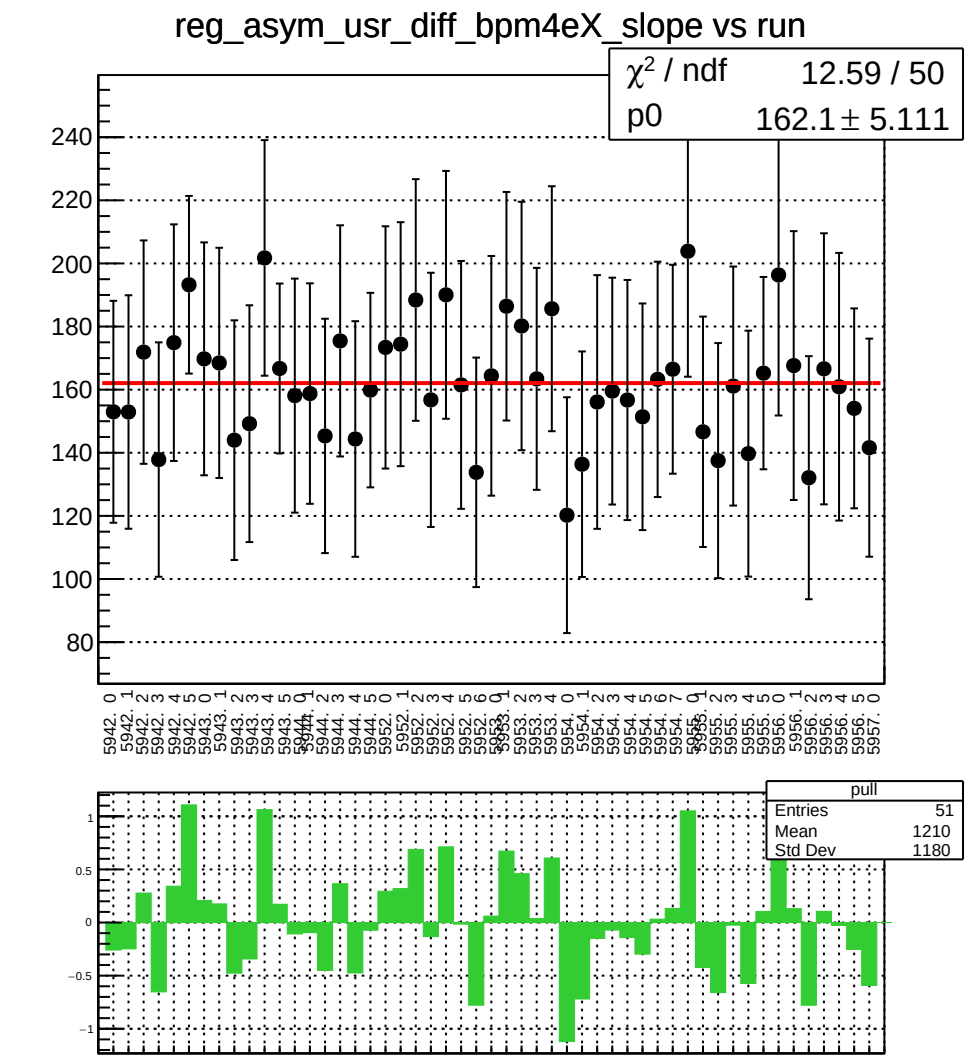

pull1D
Entries 51
Mean −0.007028
Std Dev 1.093

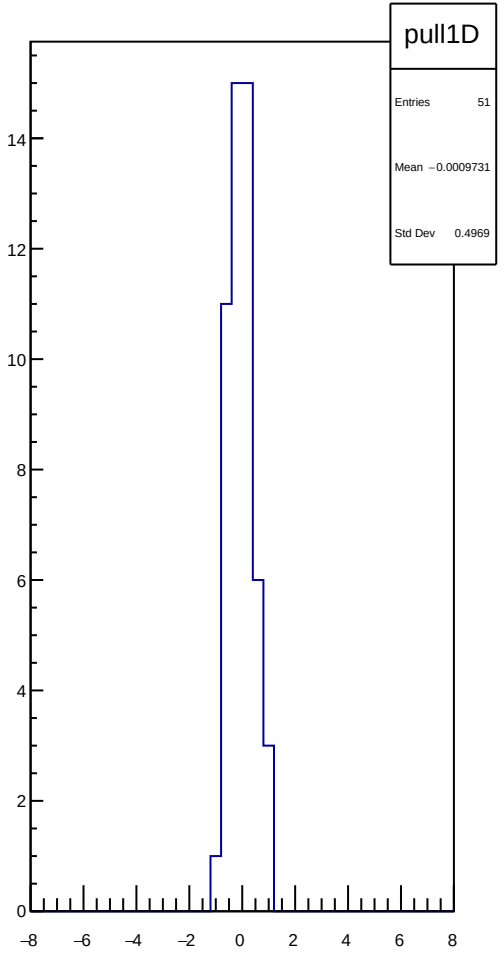

reg_asym_usr_diff_bpm4aX_slope vs run
χ² / ndf 12.33 / 50
p0 −90.18 ± 4.817
pull
Entries 51
Mean 2123
Std Dev 2093

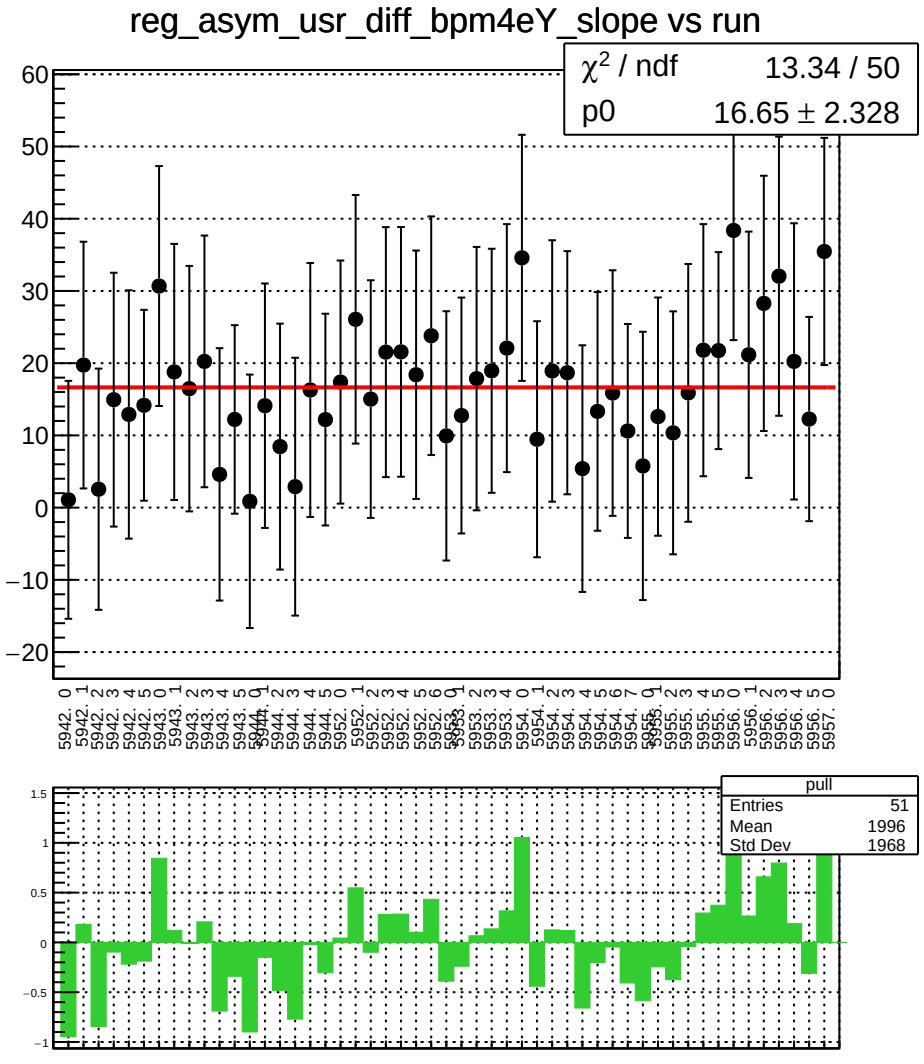

pull1D
Entries 51
Mean 0.0005143
Std Dev 0.4917

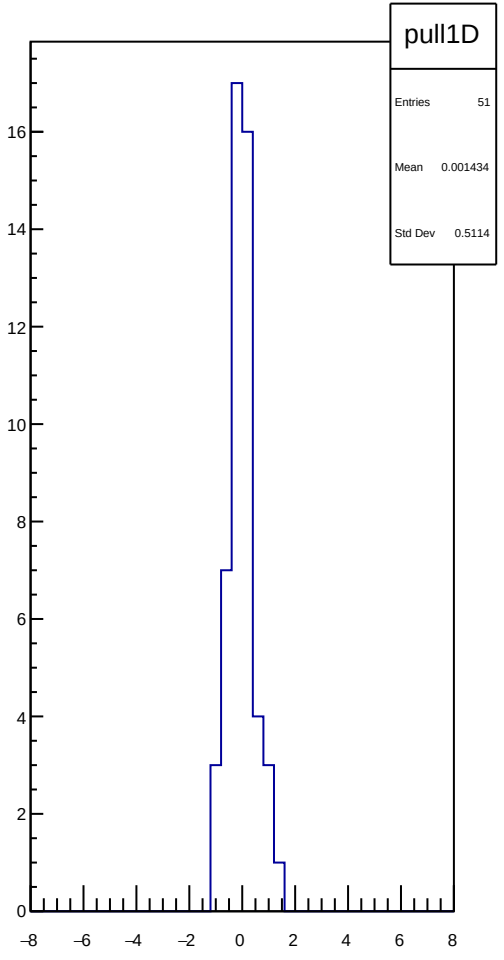

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 13.12 / 50
p0 1.418 ± 1.785
pull
Entries 51
Mean 985
Std Dev 958.2

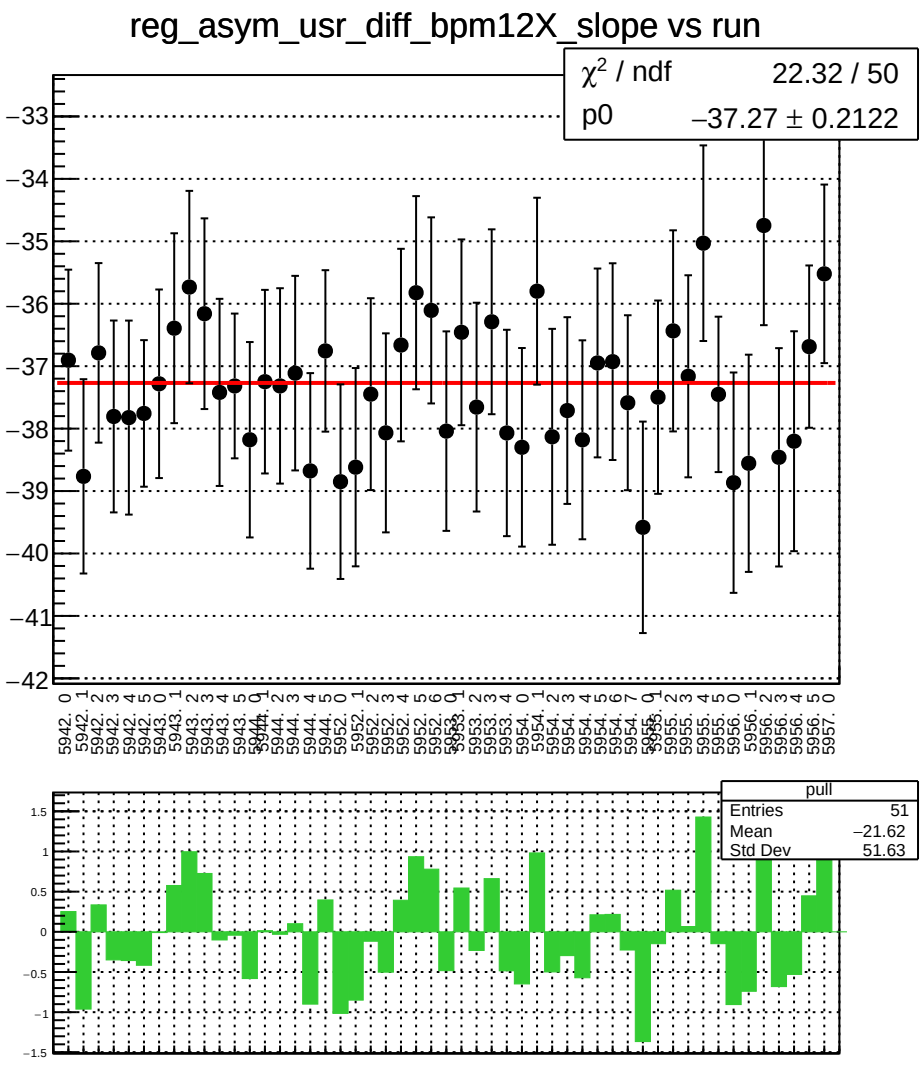

pull1D
Entries 51
Mean −0.002846
Std Dev 0.5073

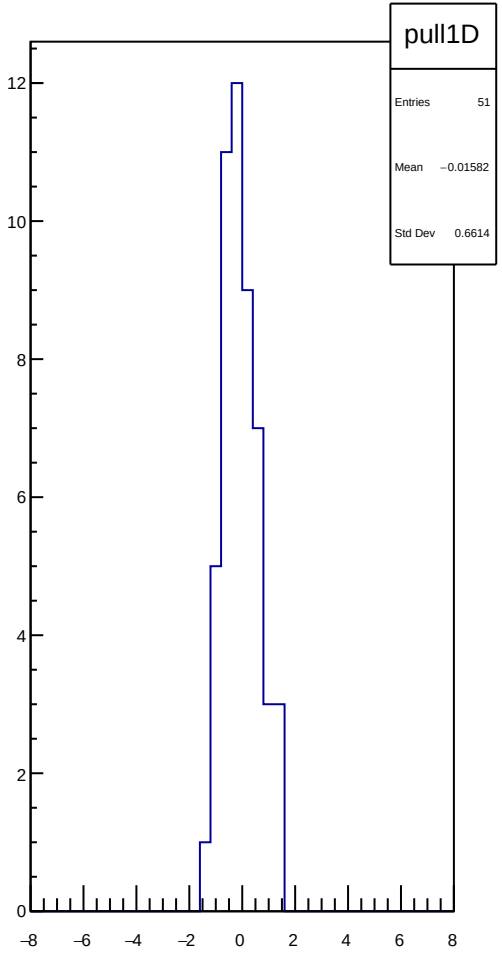

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 12.59 / 50
p0 162.1 ± 5.111
pull
Entries 51
Mean 1210
Std Dev 1180

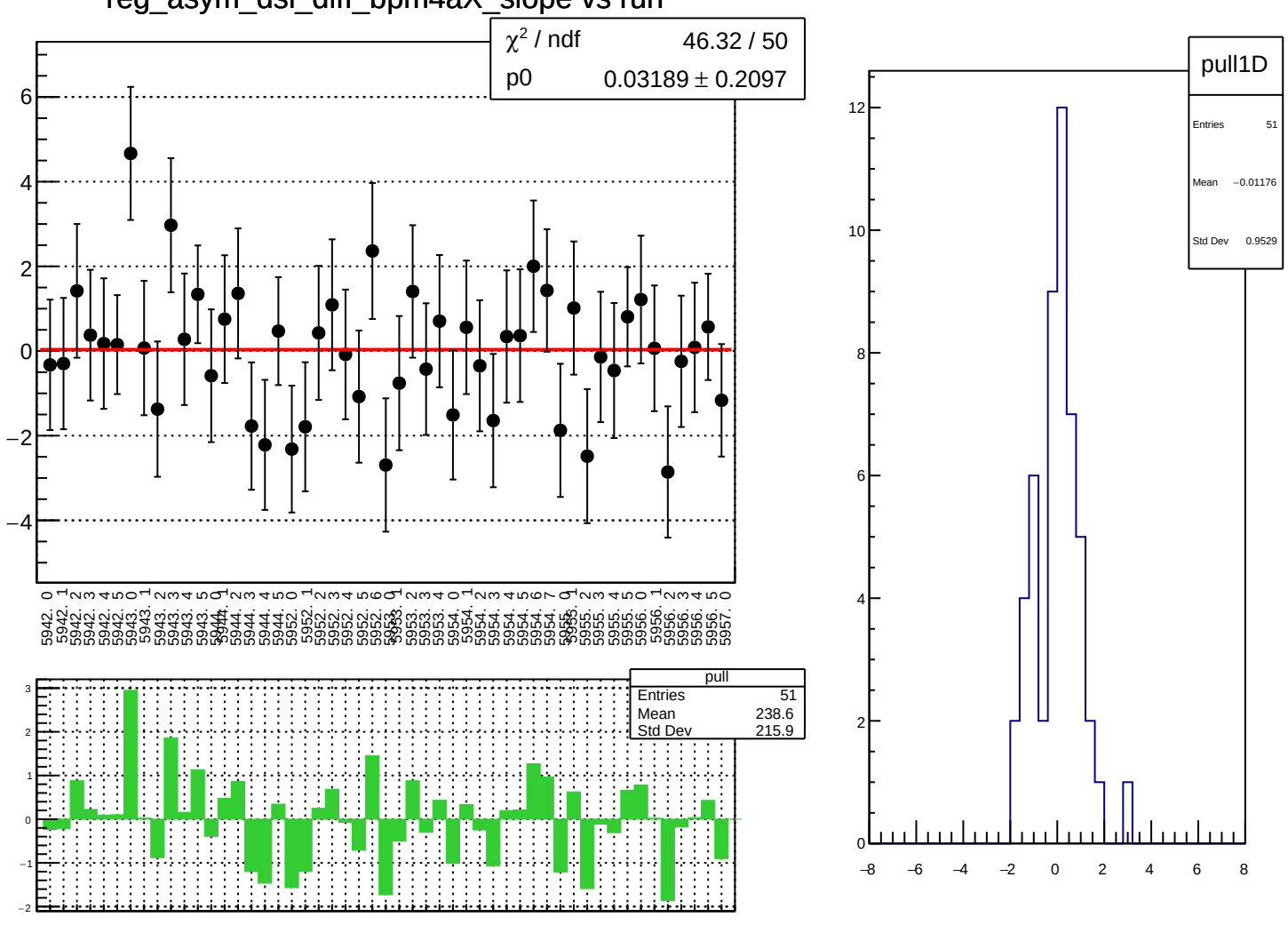

pull1D
Entries 51
Mean −0.0009731
Std Dev 0.4969

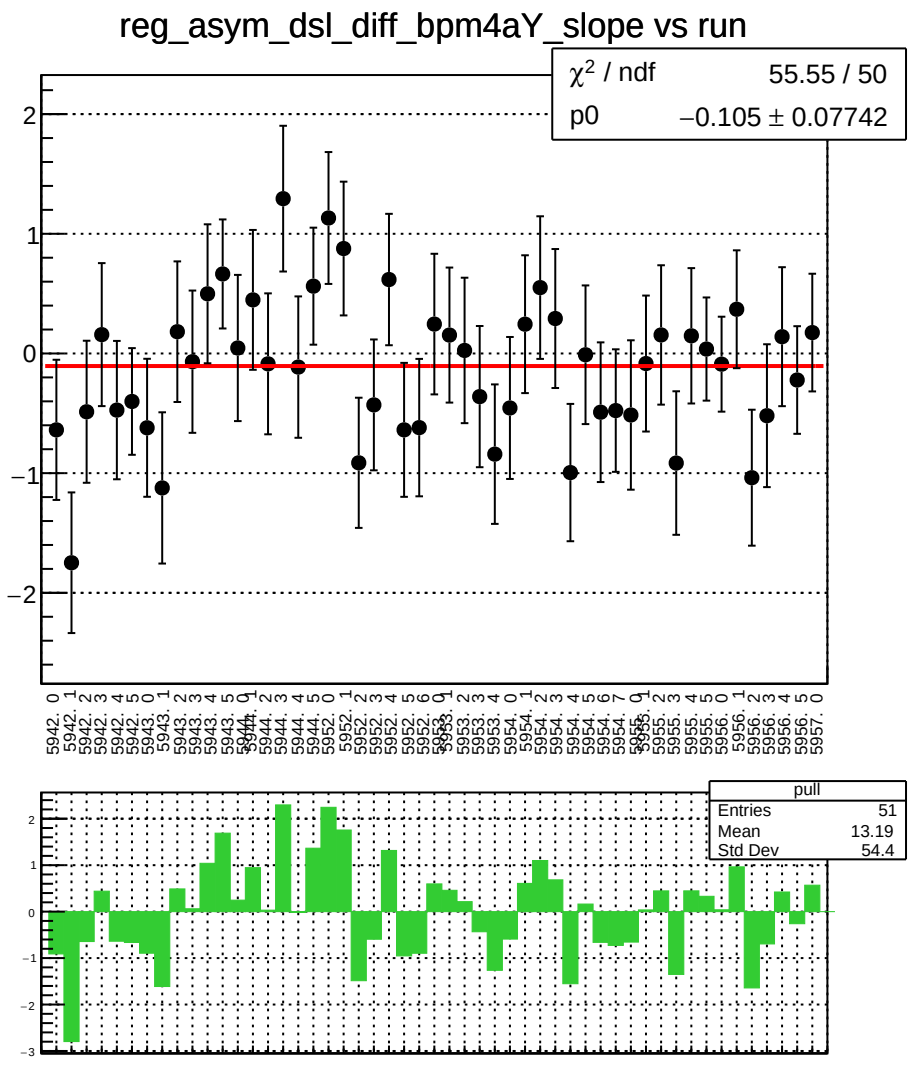

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 13.34 / 50
p0 16.65 ± 2.328
pull
Entries 51
Mean 1996
Std Dev 1968

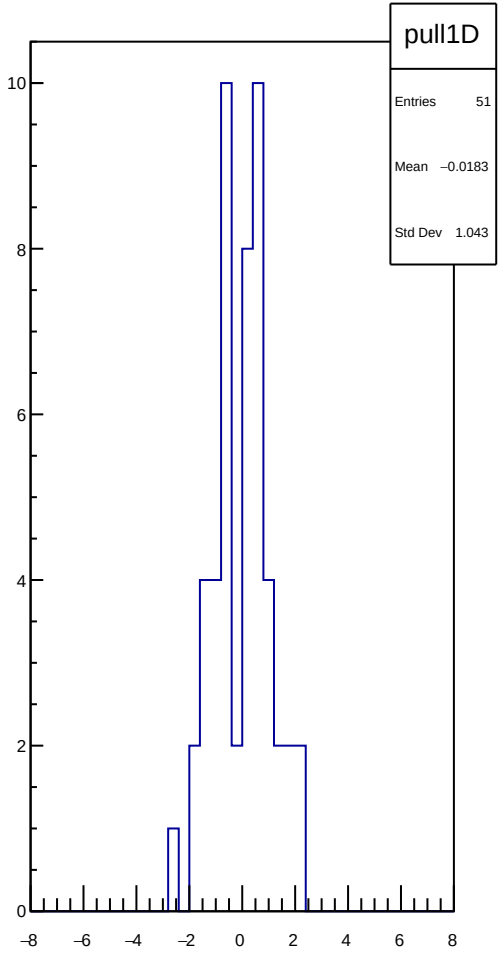

pull1D
Entries 51
Mean 0.001434
Std Dev 0.5114

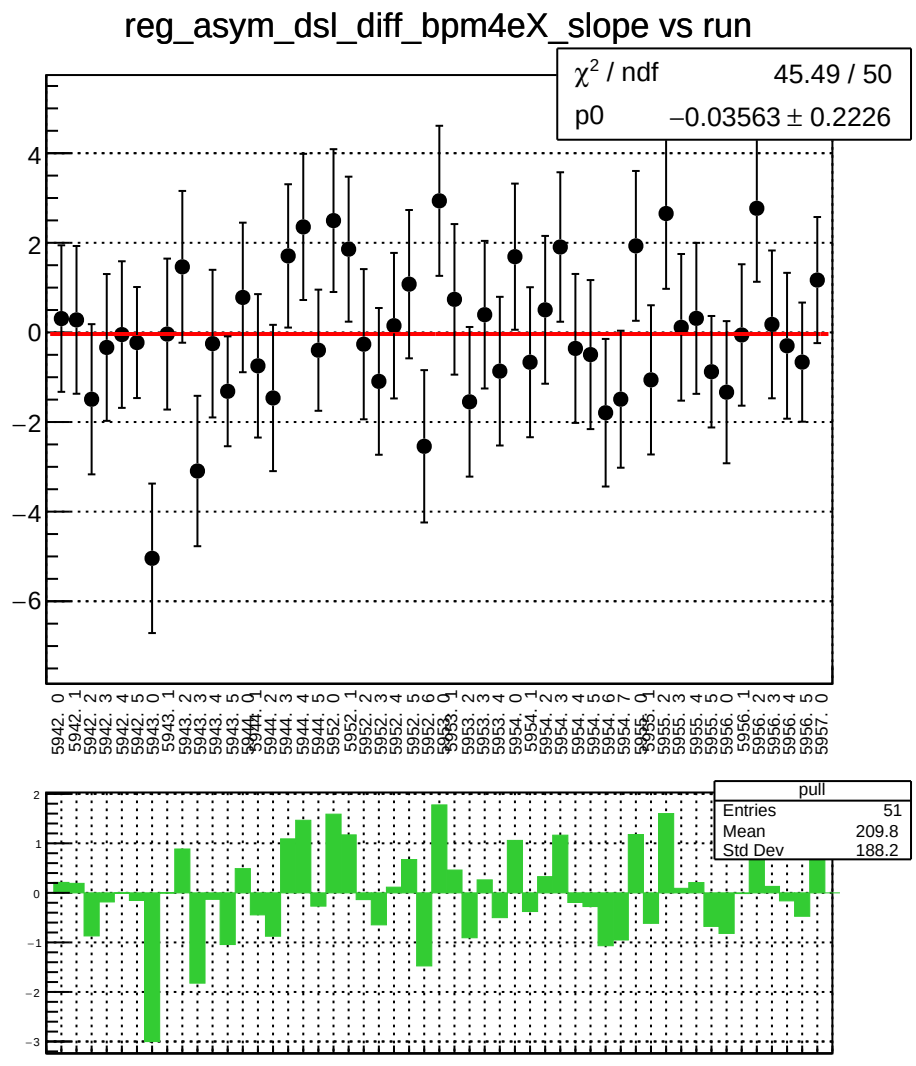

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 22.32 / 50
p0 −37.27 ± 0.2122
pull
Entries 51
Mean −21.62
Std Dev 51.63

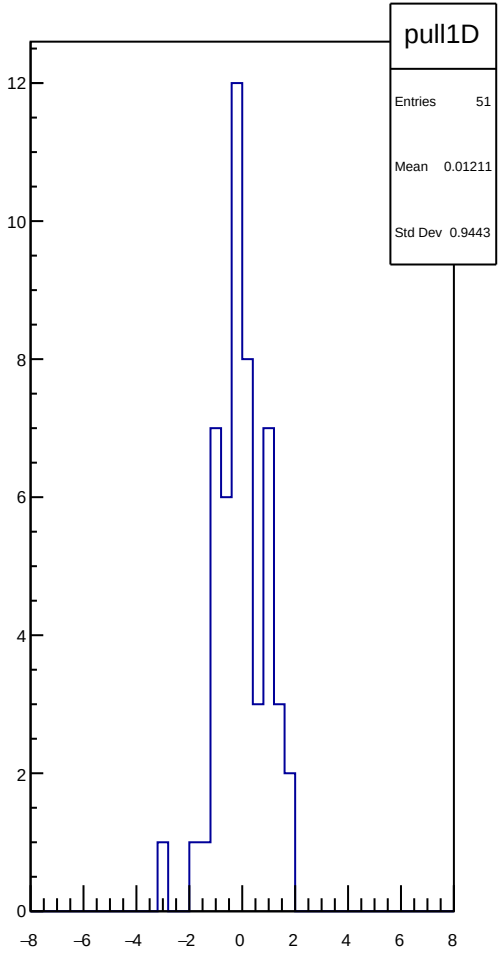

pull1D
Entries 51
Mean −0.01582
Std Dev 0.6614

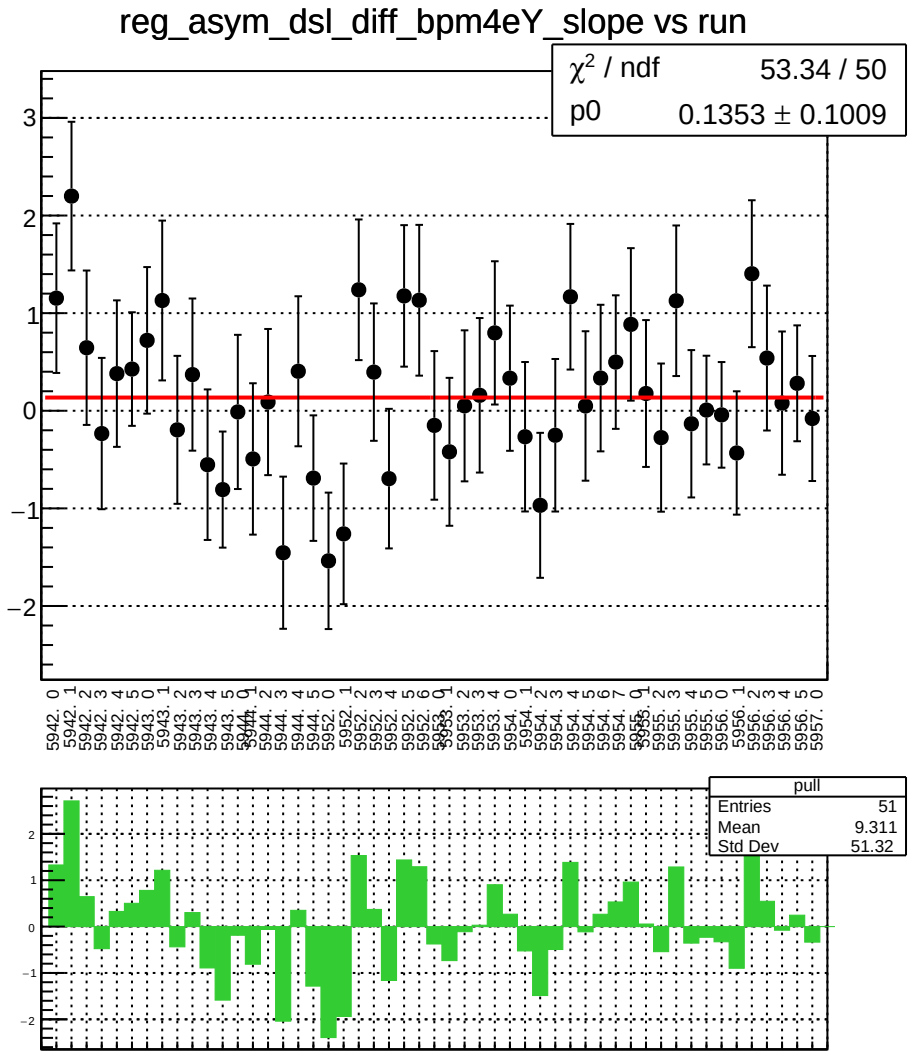

reg_asym_dsl_diff_bpm4aX_slope vs run
χ² / ndf 46.32 / 50
p0 0.03189 ± 0.2097
pull
Entries 51
Mean 238.6
Std Dev 215.9
pull1D
Entries 51
Mean −0.01176
Std Dev 0.9529

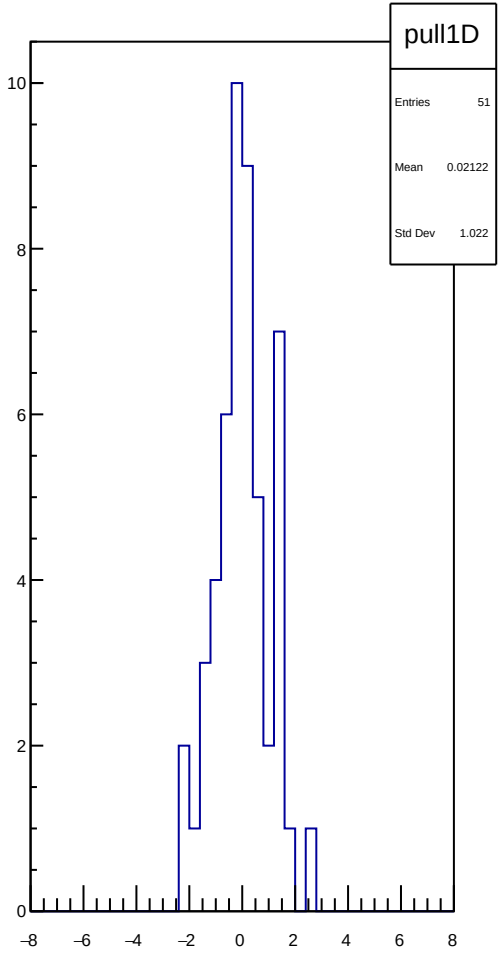

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 55.55 / 50
p0 −0.105 ± 0.07742
pull
Entries 51
Mean 13.19
Std Dev 54.4

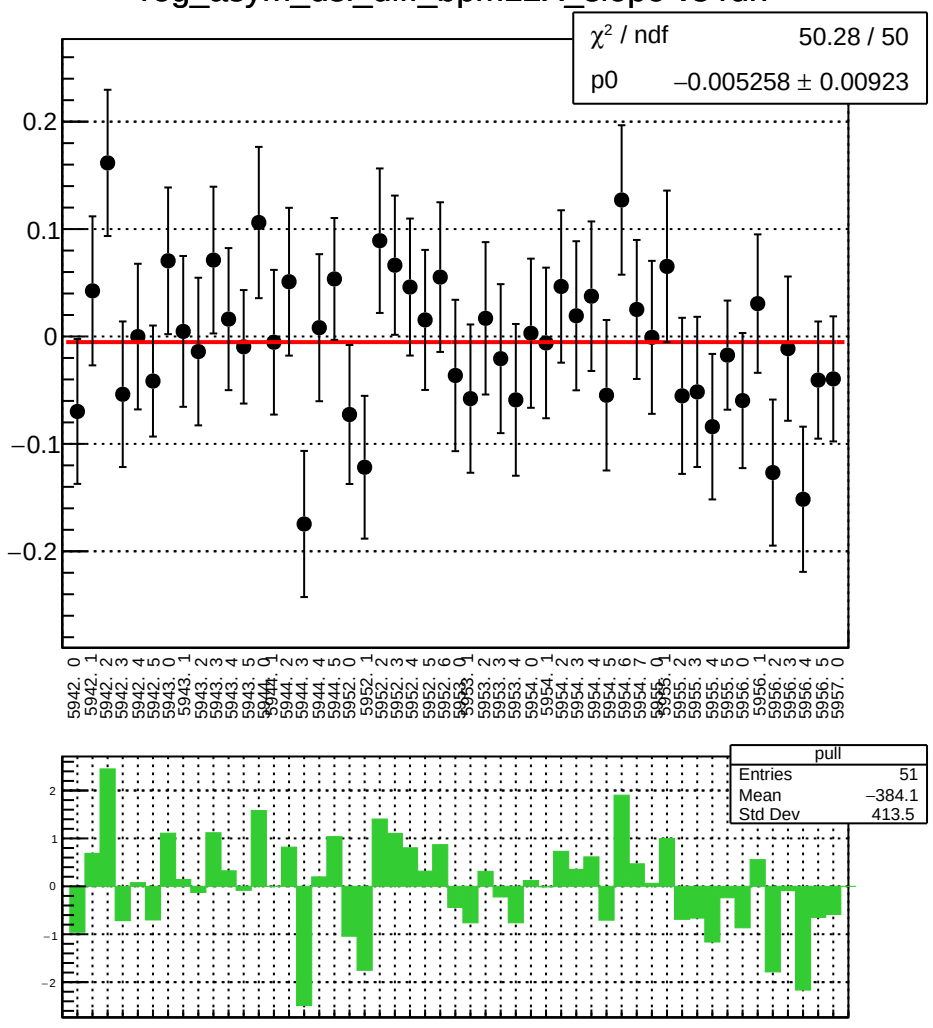

pull1D
Entries 51
Mean −0.0183
Std Dev 1.043

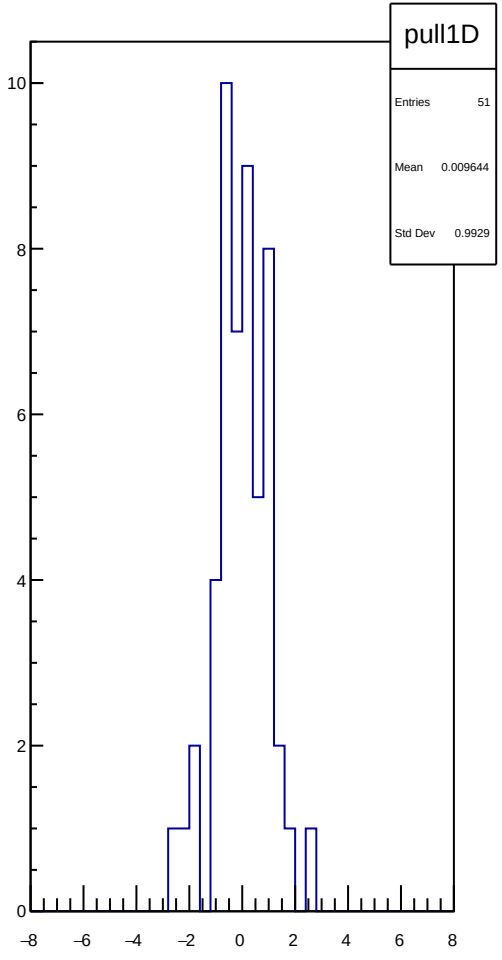

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 45.49 / 50
p0 −0.03563 ± 0.2226
pull
Entries 51
Mean 209.8
Std Dev 188.2

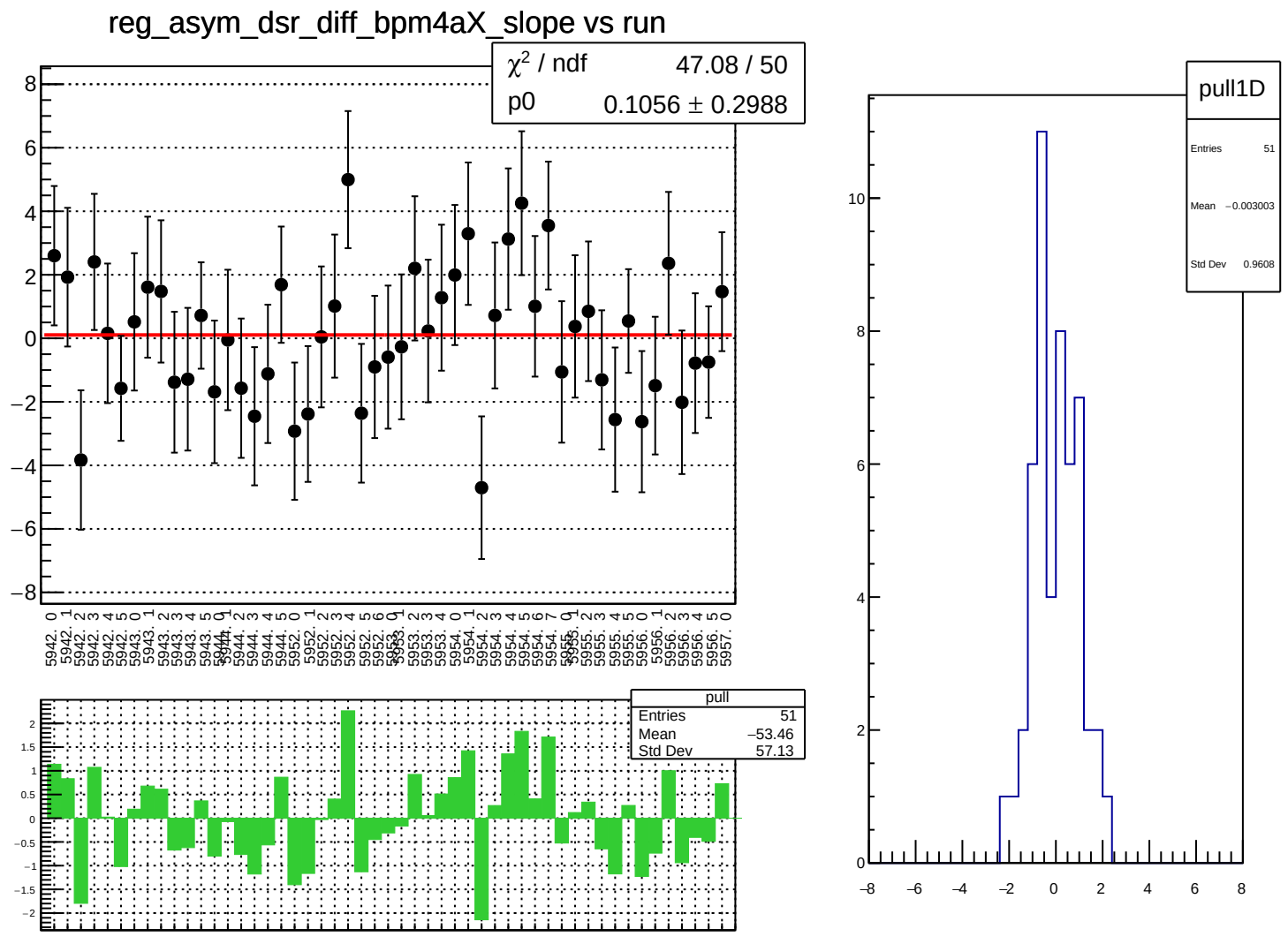

pull1D
Entries 51
Mean 0.01211
Std Dev 0.9443

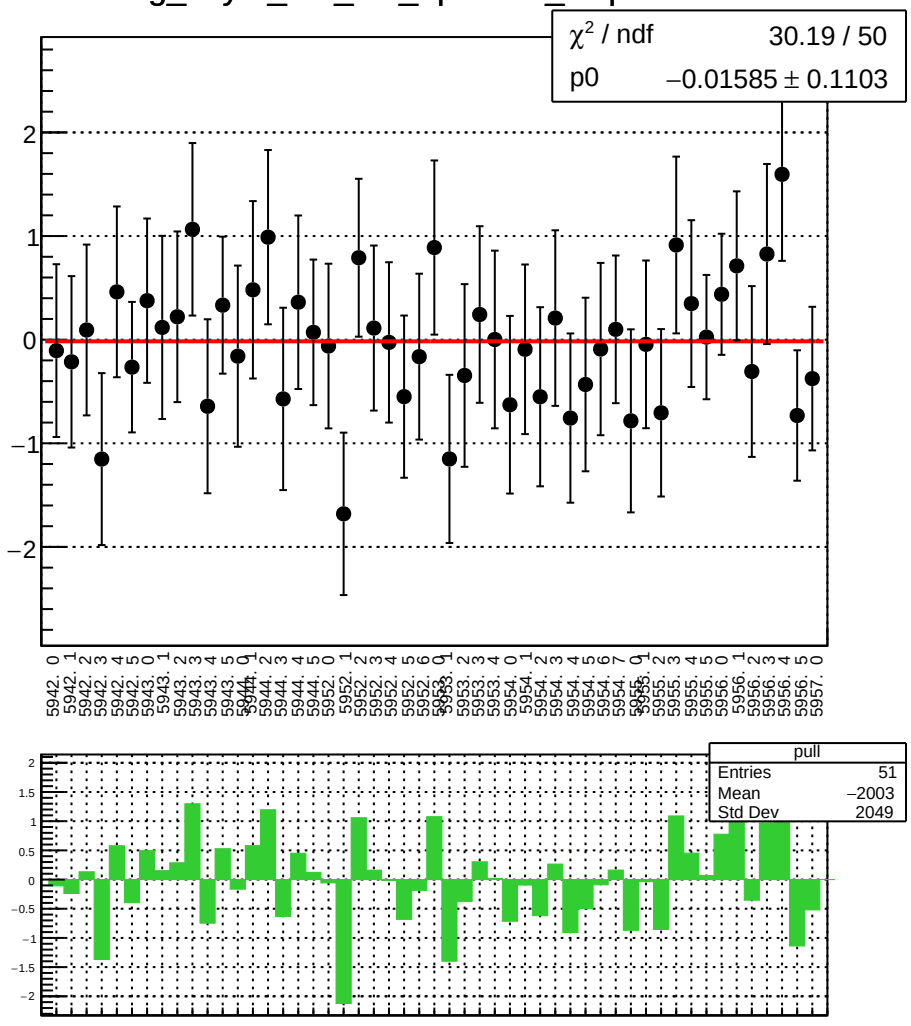

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 53.34 / 50
p0 0.1353 ± 0.1009
pull
Entries 51
Mean 9.311
Std Dev 51.32

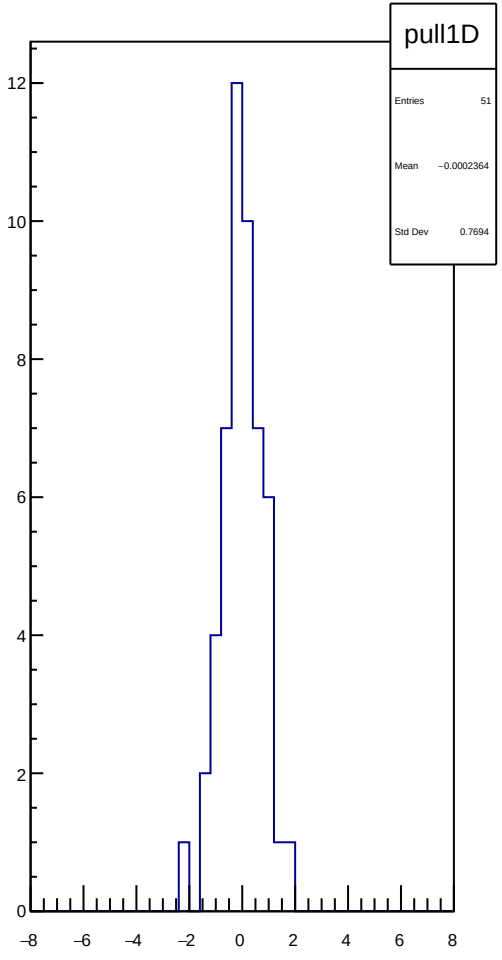

pull1D
Entries 51
Mean 0.02122
Std Dev 1.022

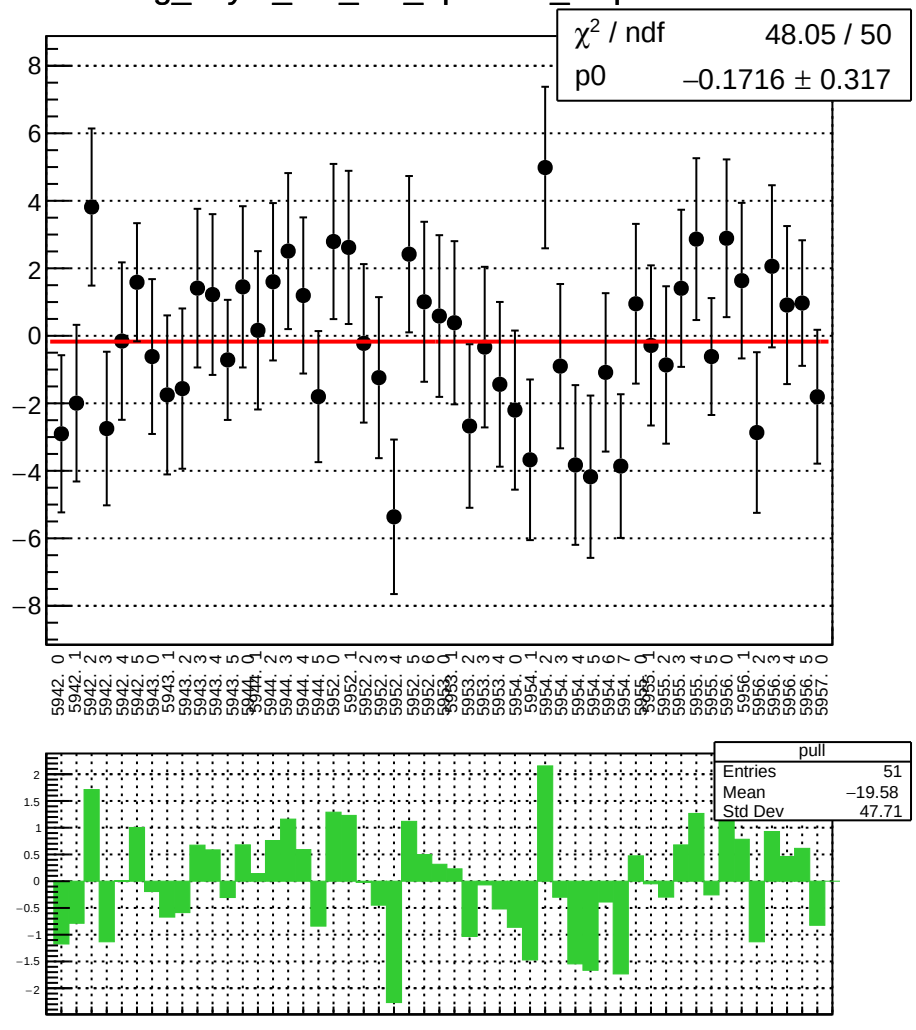

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 50.28 / 50
p0 −0.005258 ± 0.00923
pull
Entries 51
Mean −384.1
Std Dev 413.5

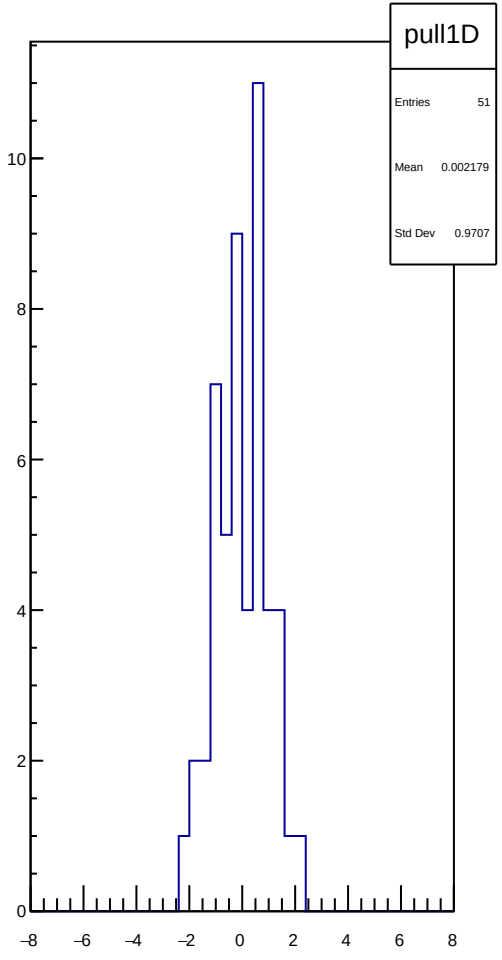

pull1D
Entries 51
Mean 0.009644
Std Dev 0.9929

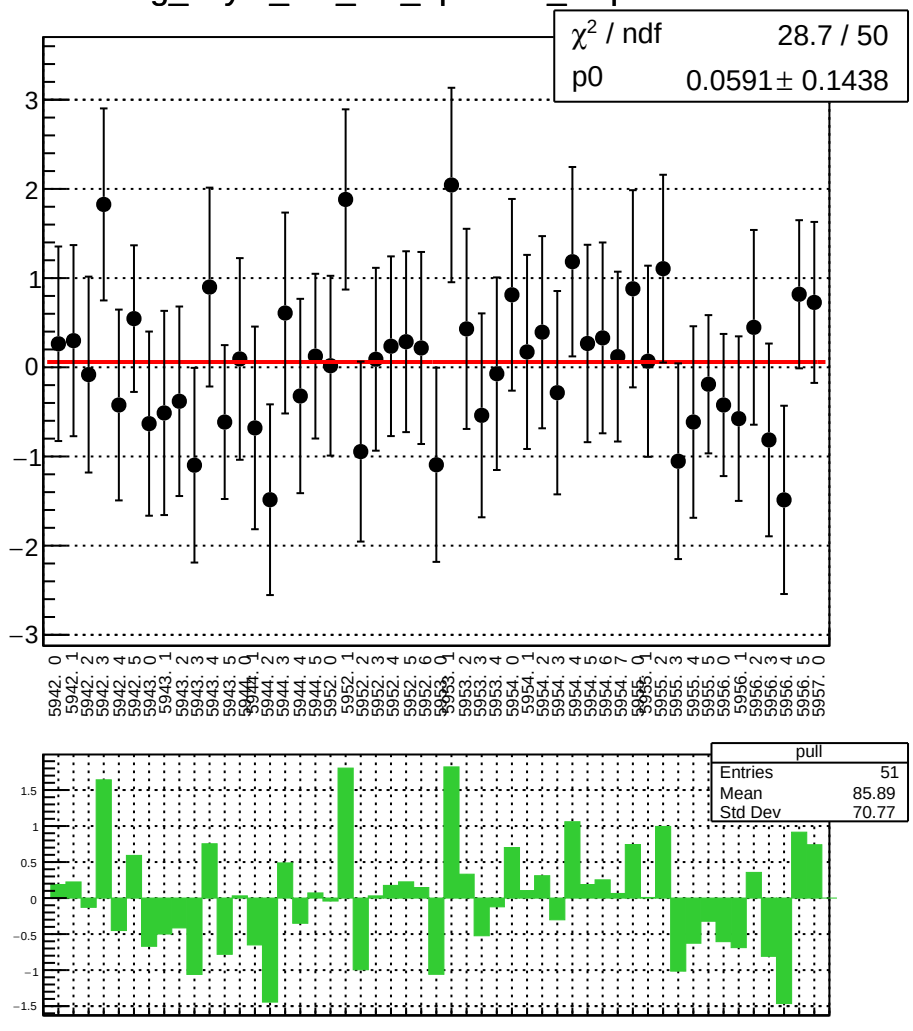

reg_asym_dsr_diff_bpm4aX_slope vs run
χ² / ndf 47.08 / 50
p0 0.1056 ± 0.2988
pull
Entries 51
Mean −53.46
Std Dev 57.13
pull1D
Entries 51
Mean −0.003003
Std Dev 0.9608

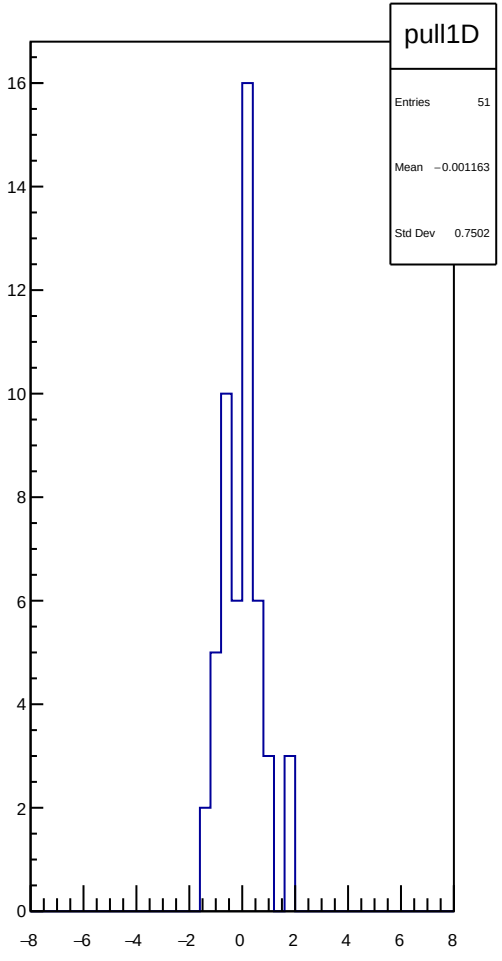

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 30.19 / 50
p0 −0.01585 ± 0.1103
pull
Entries 51
Mean −2003
Std Dev 2049

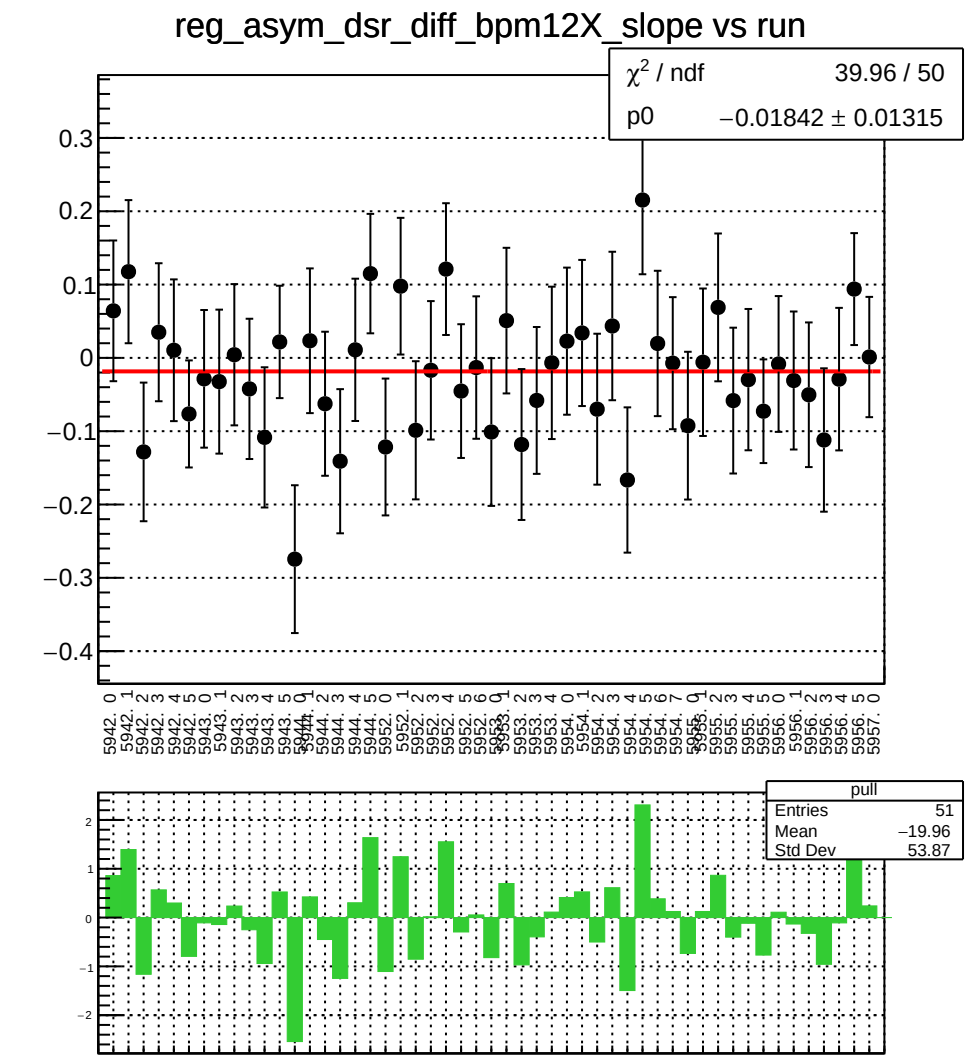

pull1D
Entries 51
Mean −0.0002364
Std Dev 0.7694

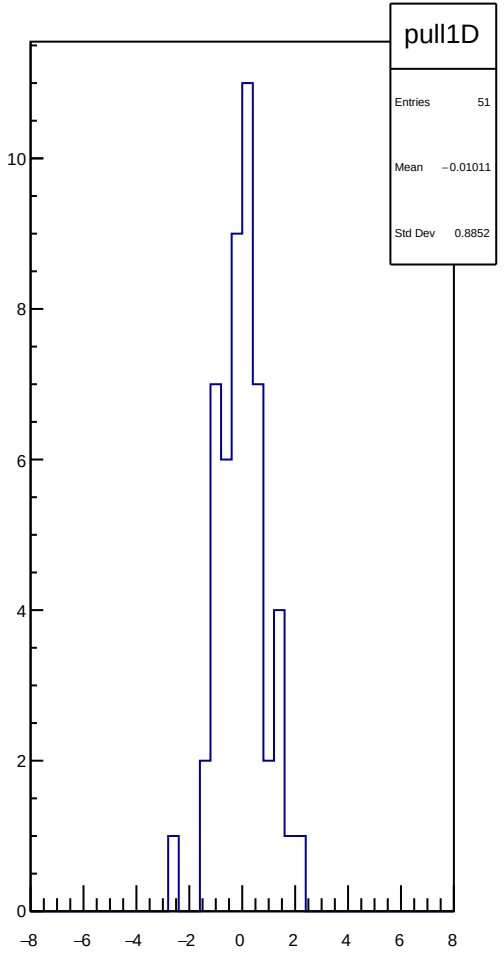

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 48.05 / 50
p0 −0.1716 ± 0.317
pull
Entries 51
Mean −19.58
Std Dev 47.71

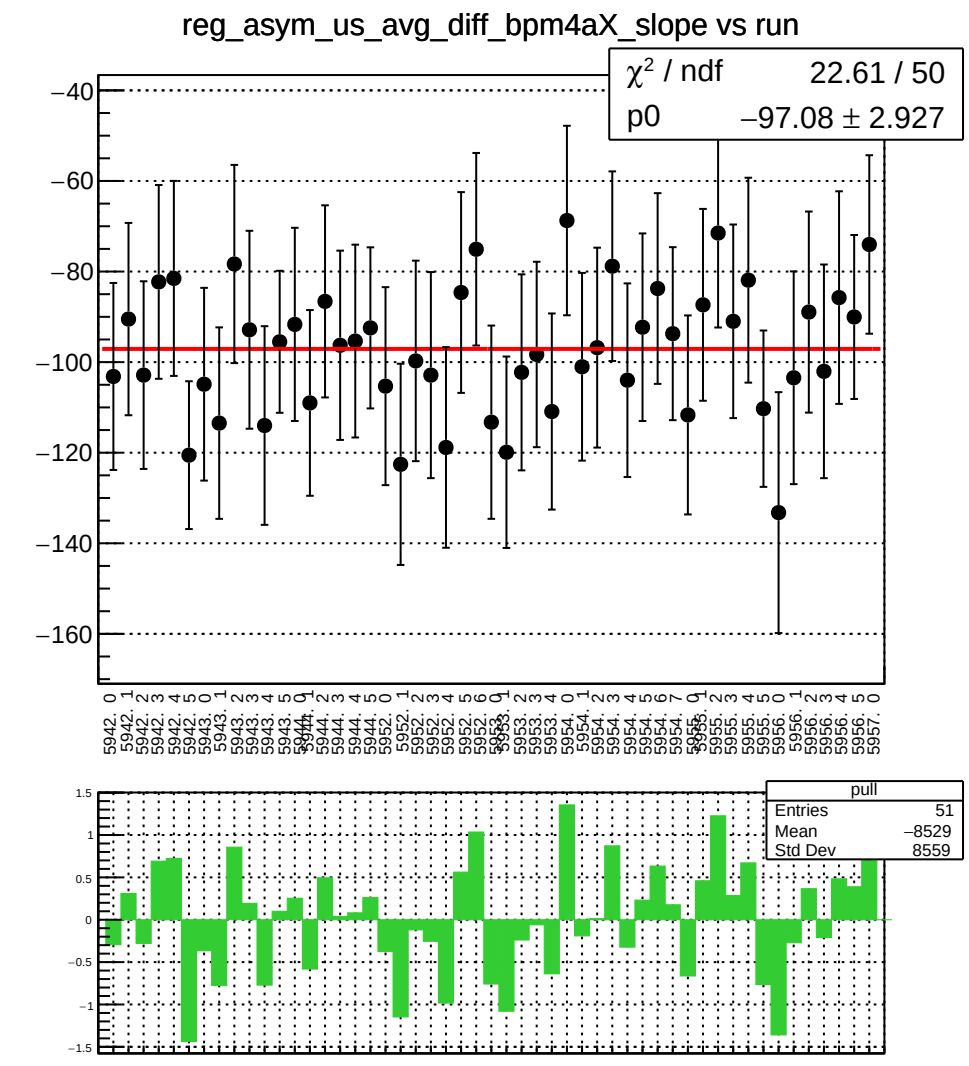

pull1D
Entries 51
Mean 0.002179
Std Dev 0.9707

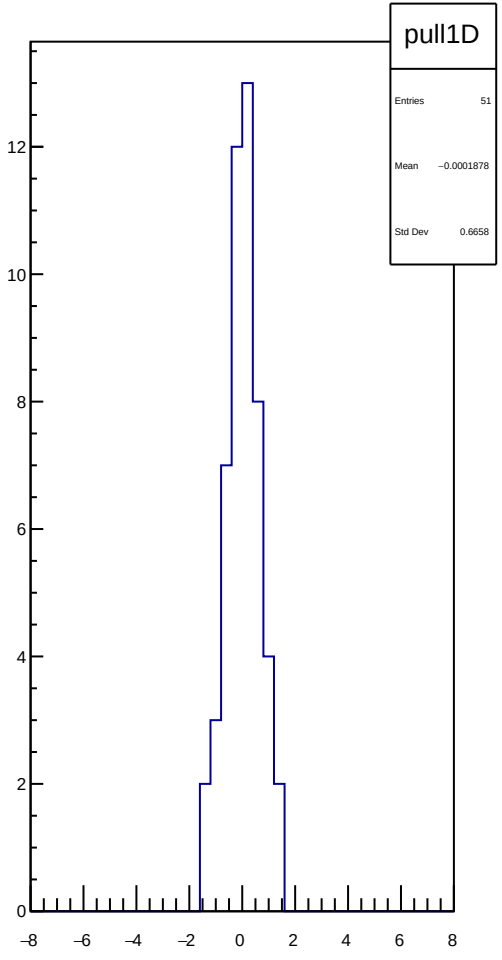

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 28.7 / 50
p0 0.0591 ± 0.1438
pull
Entries 51
Mean 85.89
Std Dev 70.77

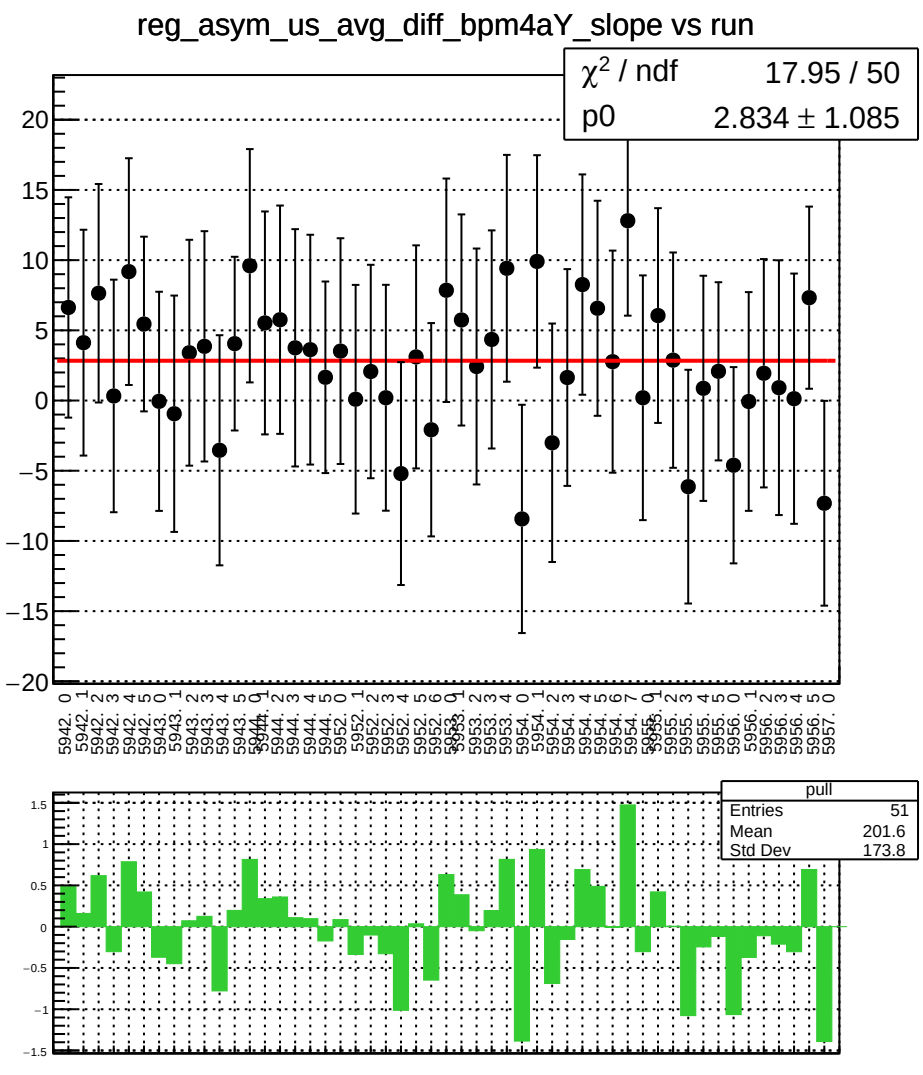

pull1D
Entries 51
Mean −0.001163
Std Dev 0.7502

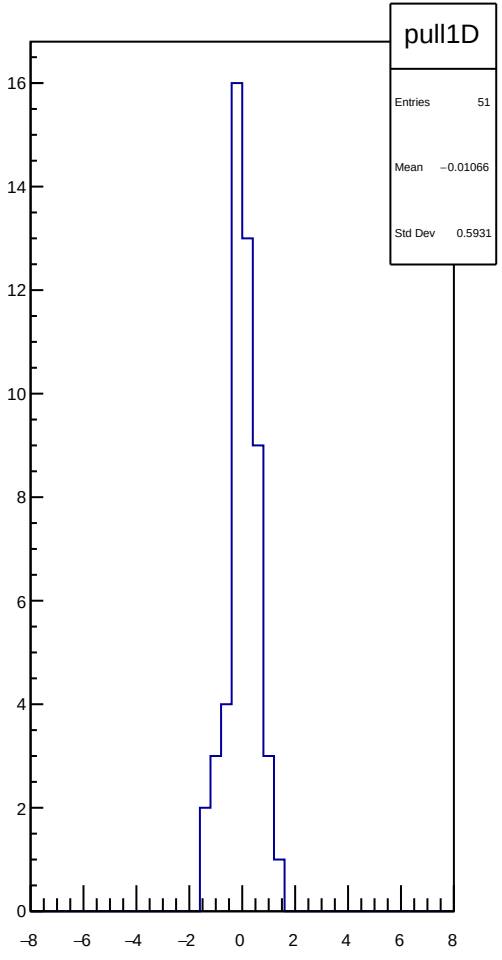

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 39.96 / 50
p0 −0.01842 ± 0.01315
pull
Entries 51
Mean −19.96
Std Dev 53.87

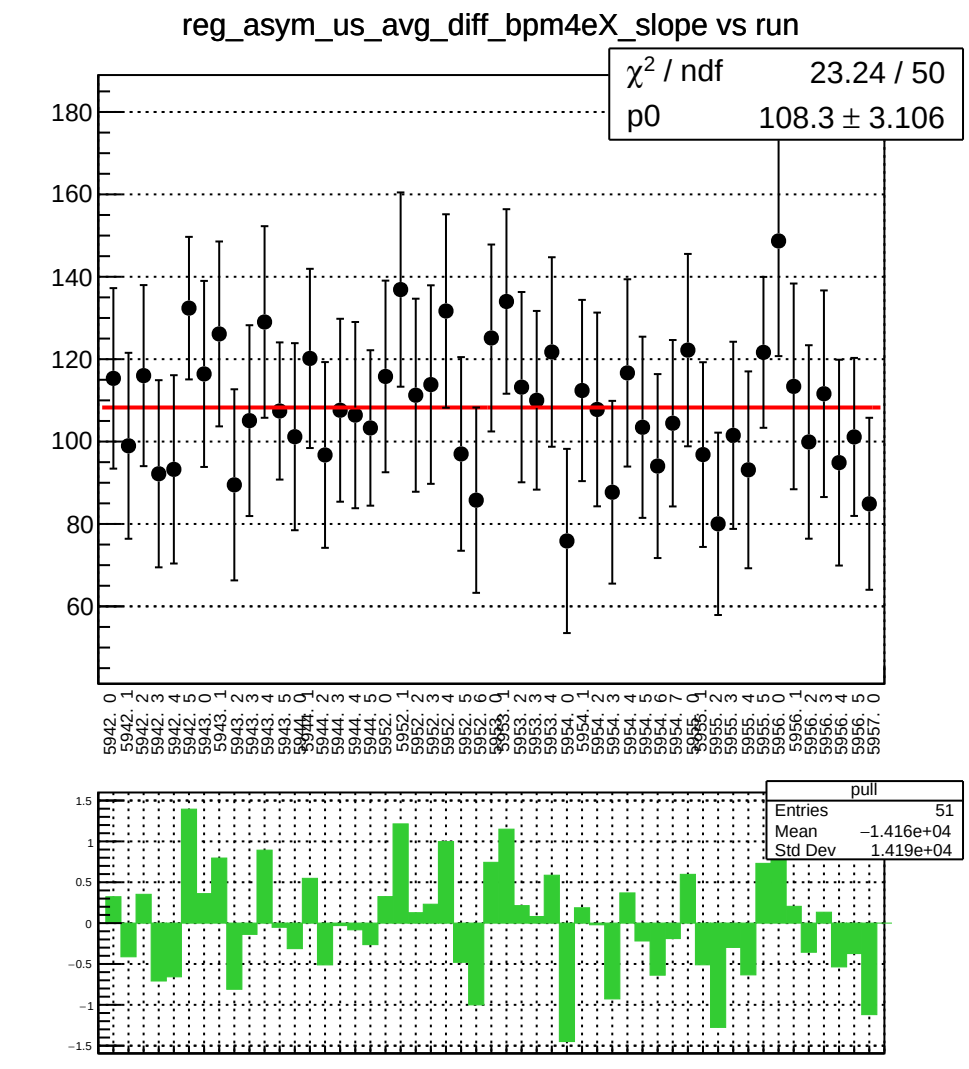

pull1D
Entries 51
Mean −0.01011
Std Dev 0.8852

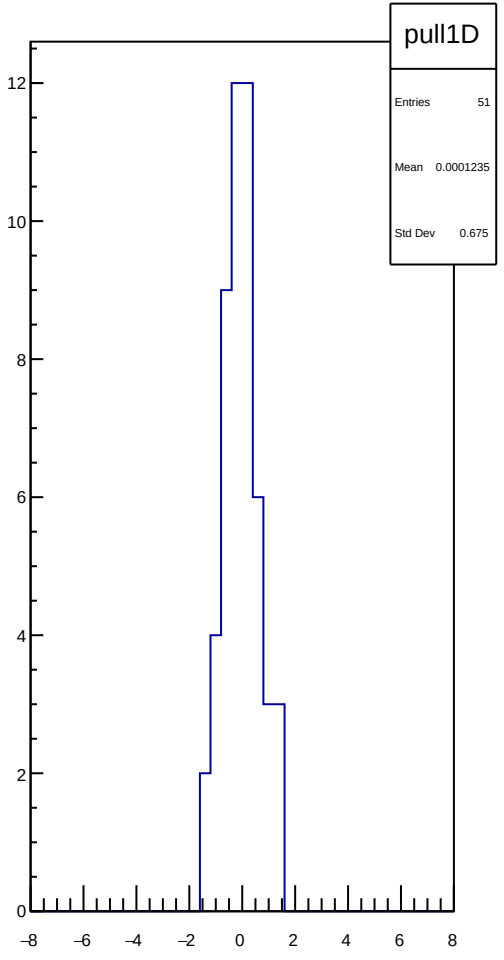

reg_asym_us_avg_diff_bpm4aX_slope vs run
χ² / ndf 22.61 / 50
p0 −97.08 ± 2.927
pull
Entries 51
Mean −8529
Std Dev 8559

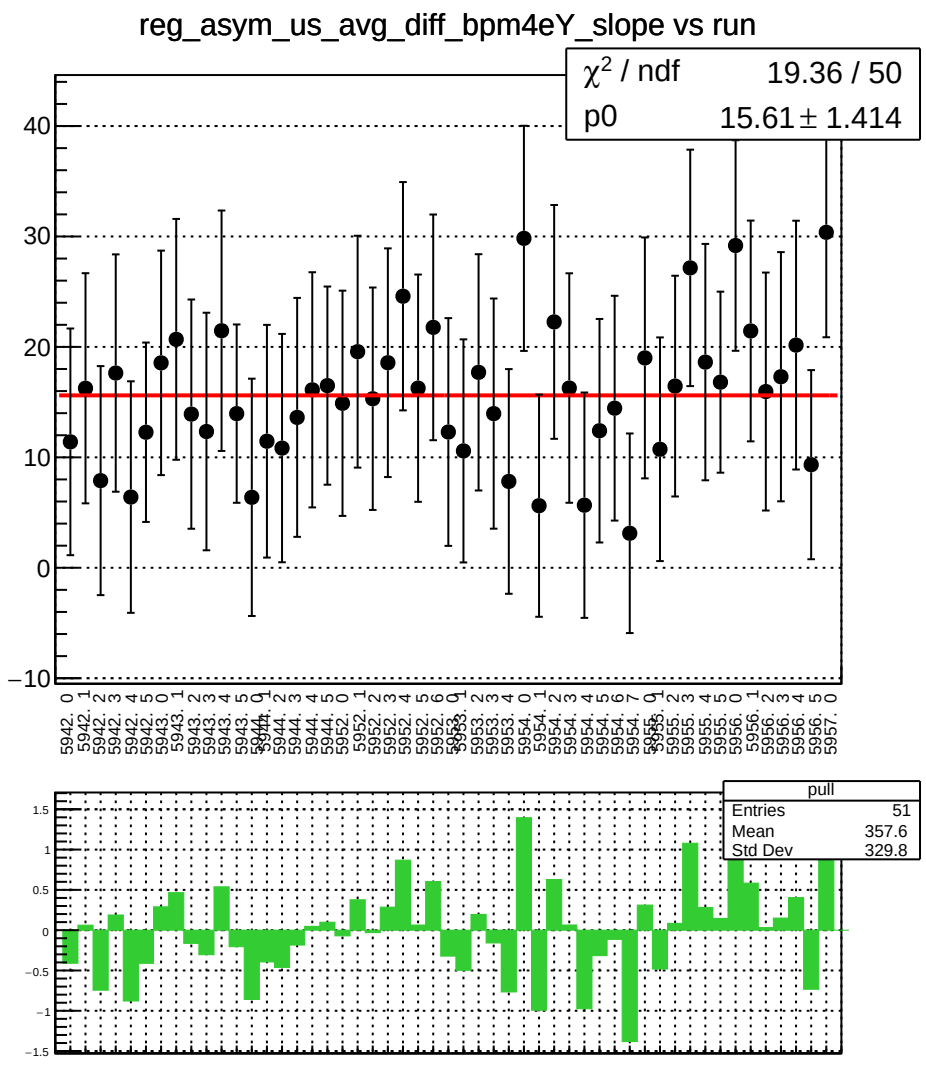

pull1D
Entries 51
Mean −0.0001878
Std Dev 0.6658

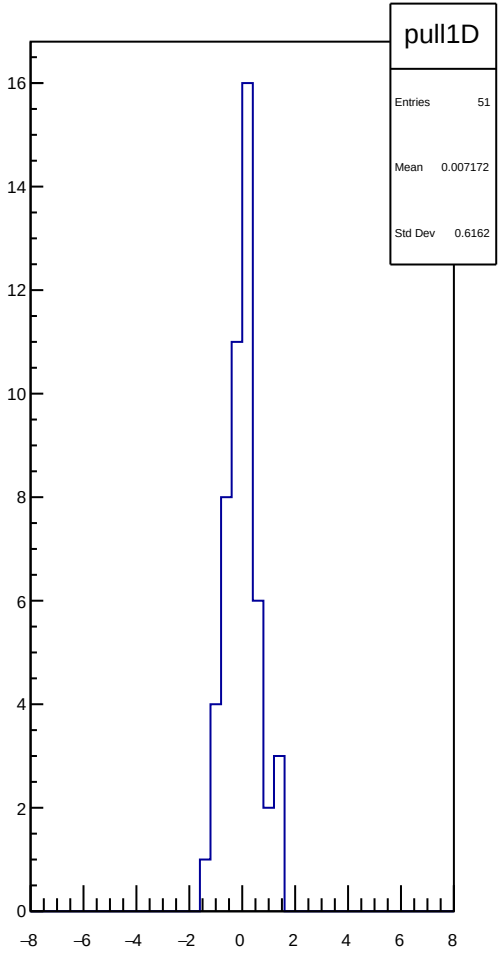

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 17.95 / 50
p0 2.834 ± 1.085
pull
Entries 51
Mean 201.6
Std Dev 173.8

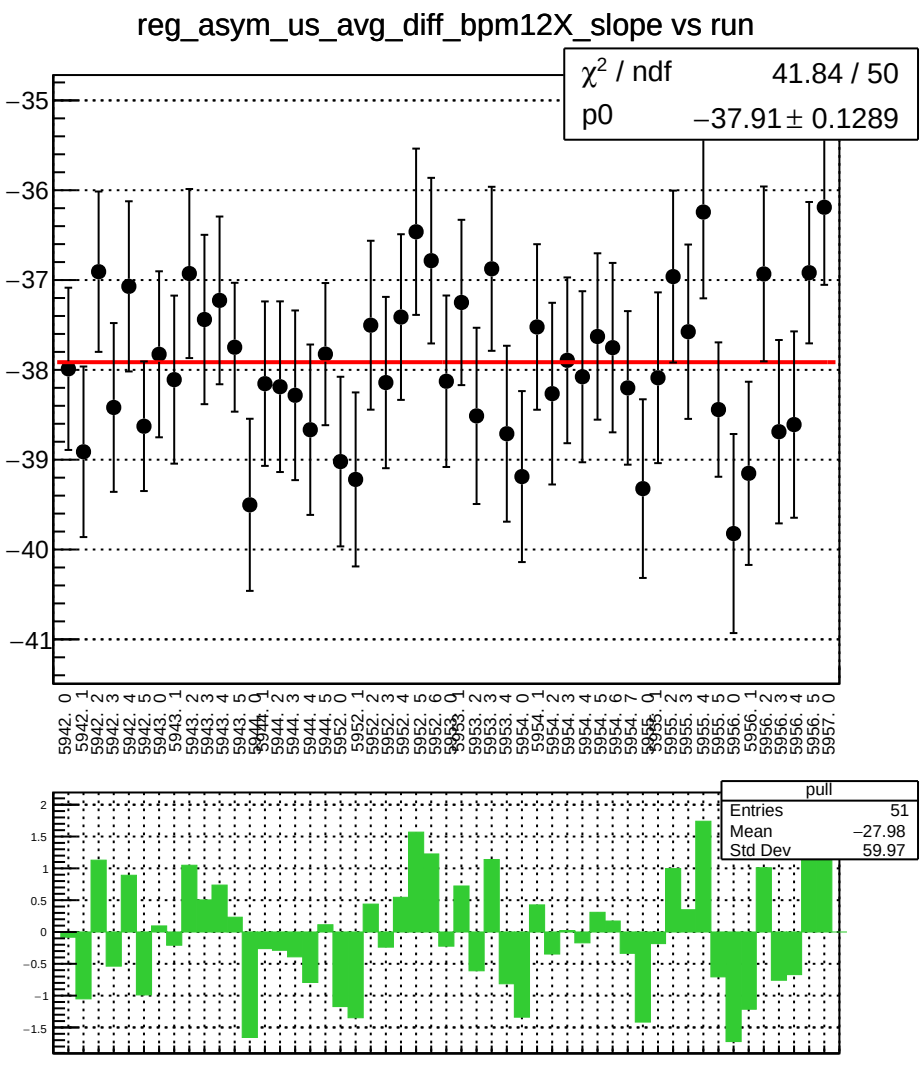

pull1D
Entries 51
Mean −0.01066
Std Dev 0.5931

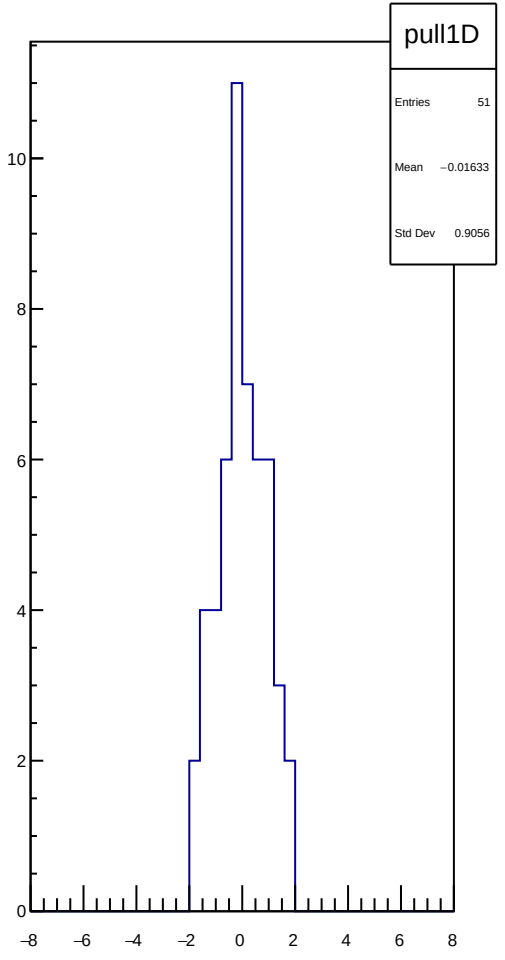

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 23.24 / 50
p0 108.3 ± 3.106
pull
Entries 51
Mean −1.416e+04
Std Dev 1.419e+04

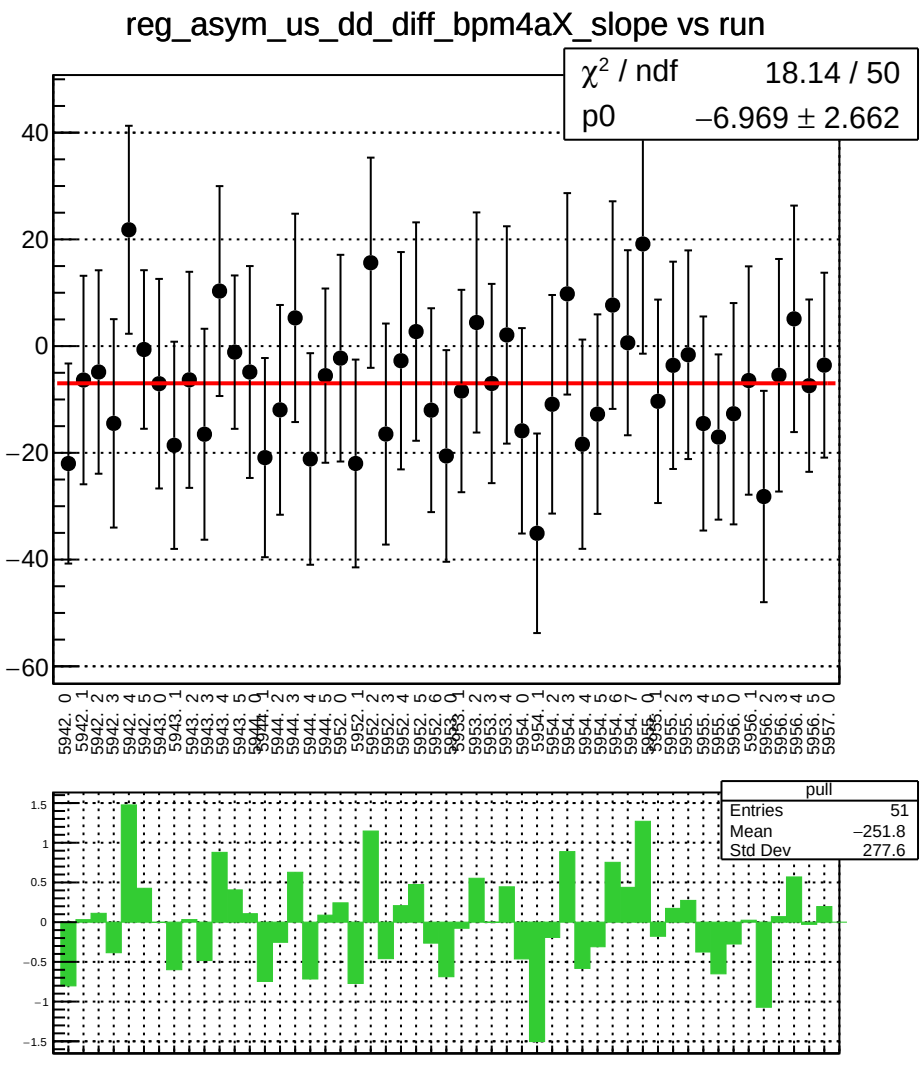

pull1D
Entries 51
Mean 0.0001235
Std Dev 0.675

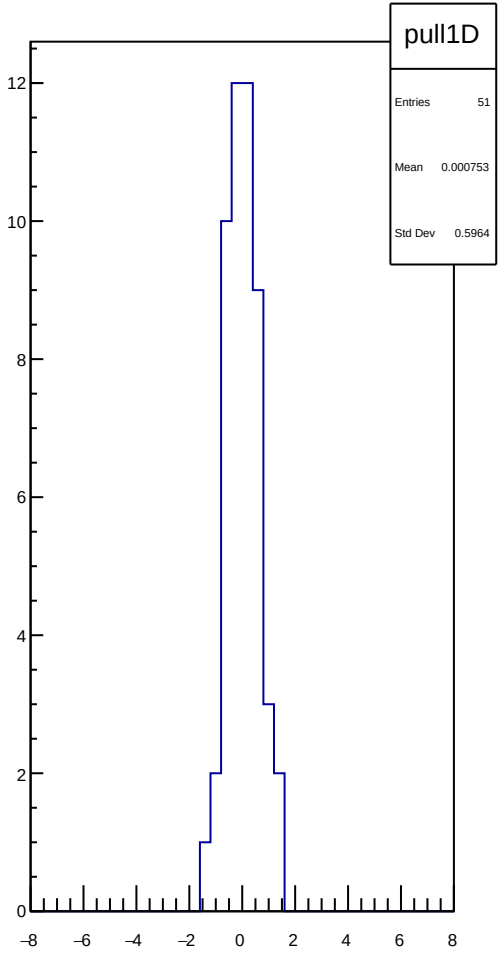

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 19.36 / 50
p0 15.61 ± 1.414
pull
Entries 51
Mean 357.6
Std Dev 329.8

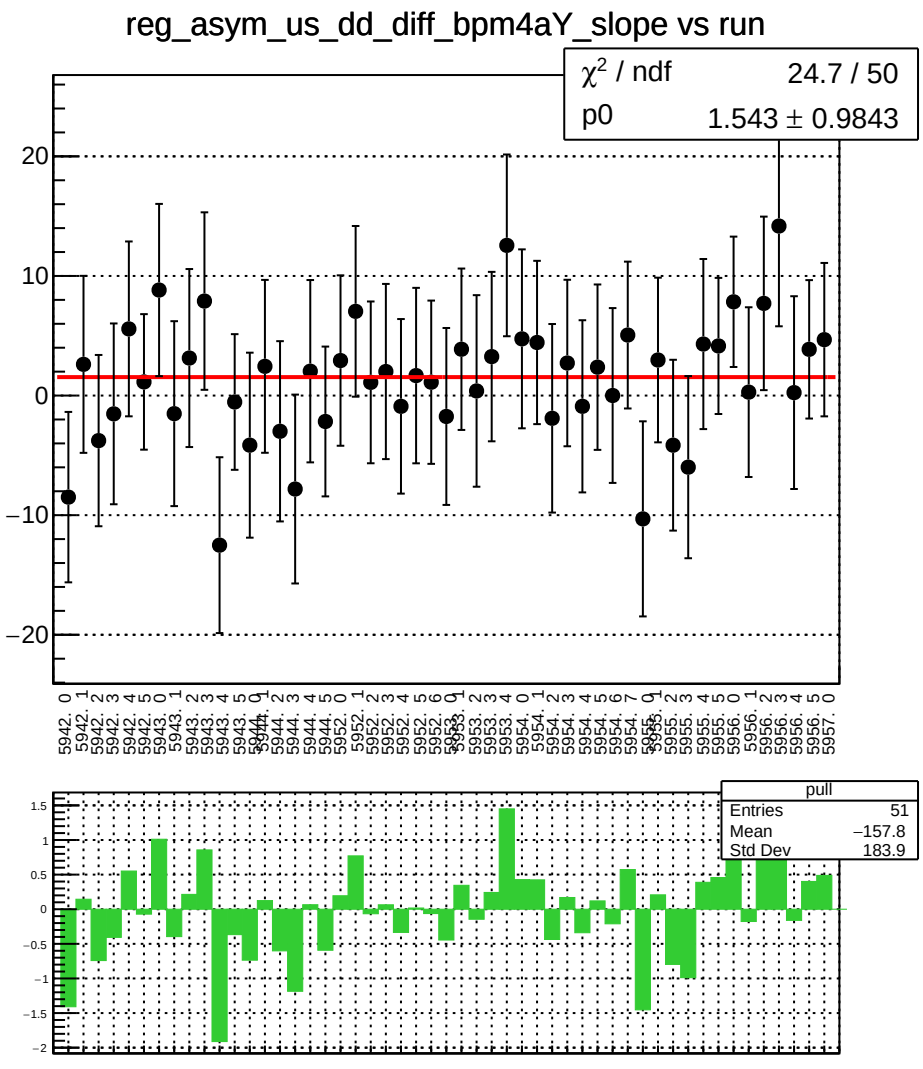

pull1D
Entries 51
Mean 0.007172
Std Dev 0.6162

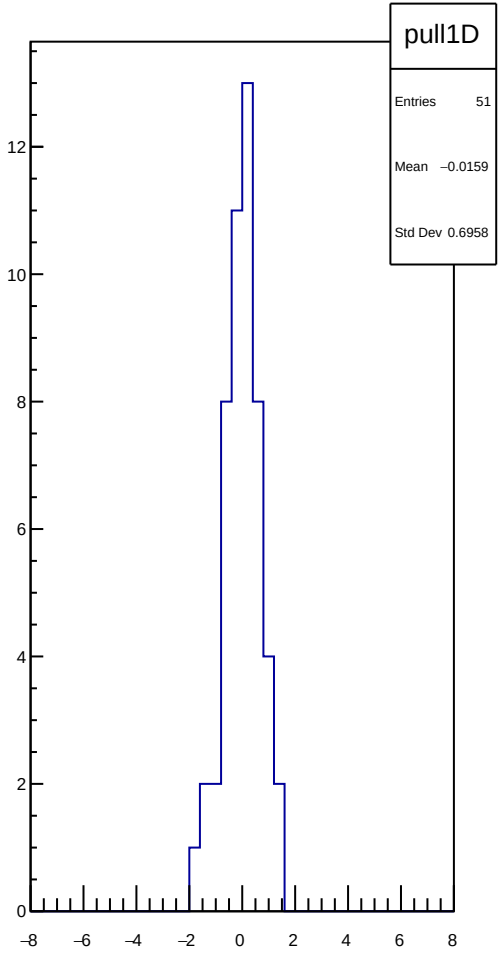

reg_asym_us_avg_diff_bpm12X_slope vs run
χ^2 / ndf 41.84 / 50
p0 −37.91 ± 0.1289
pull
Entries 51
Mean −27.98
Std Dev 59.97

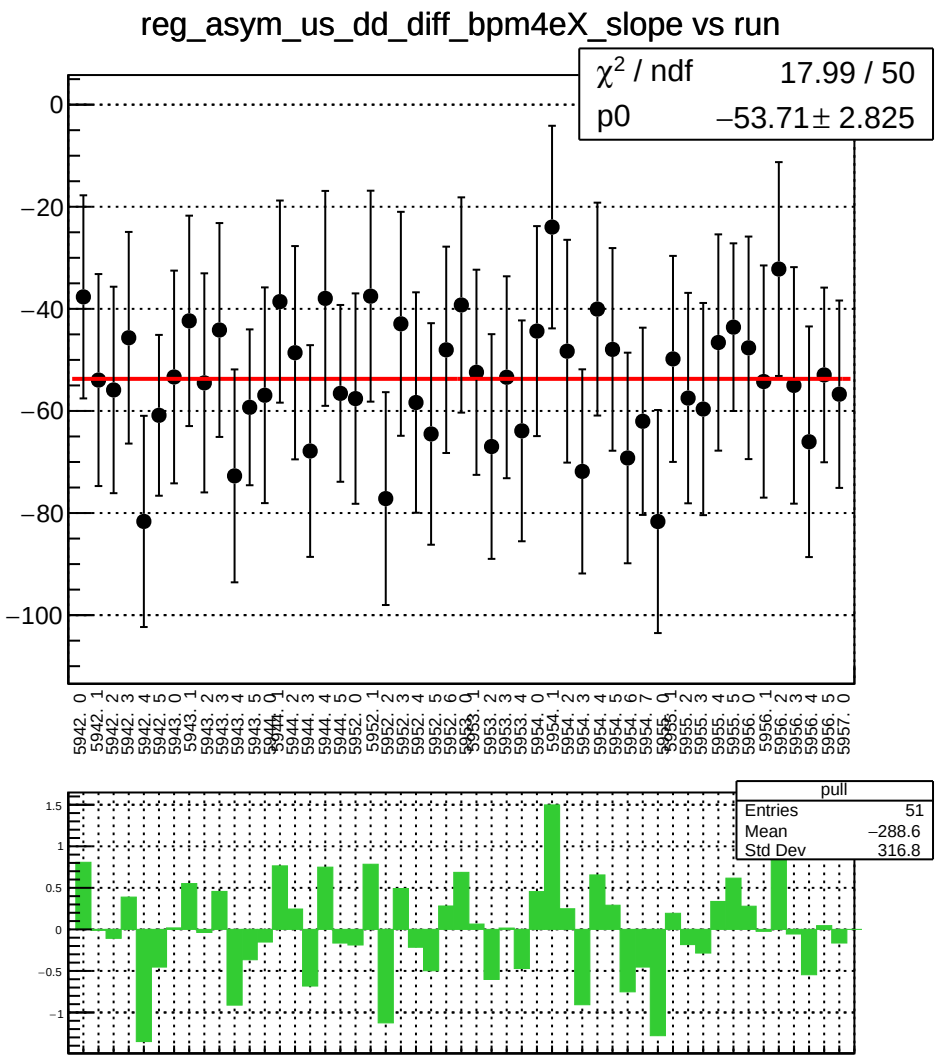

pull1D
Entries 51
Mean −0.01633
Std Dev 0.9056

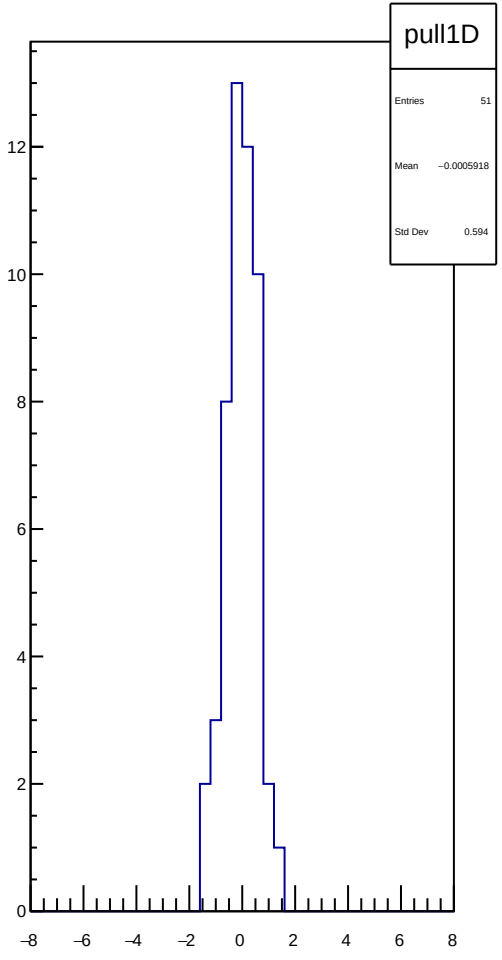

reg_asym_us_dd_diff_bpm4aX_slope vs run
χ² / ndf 18.14 / 50
p0 −6.969 ± 2.662
pull
Entries 51
Mean −251.8
Std Dev 277.6

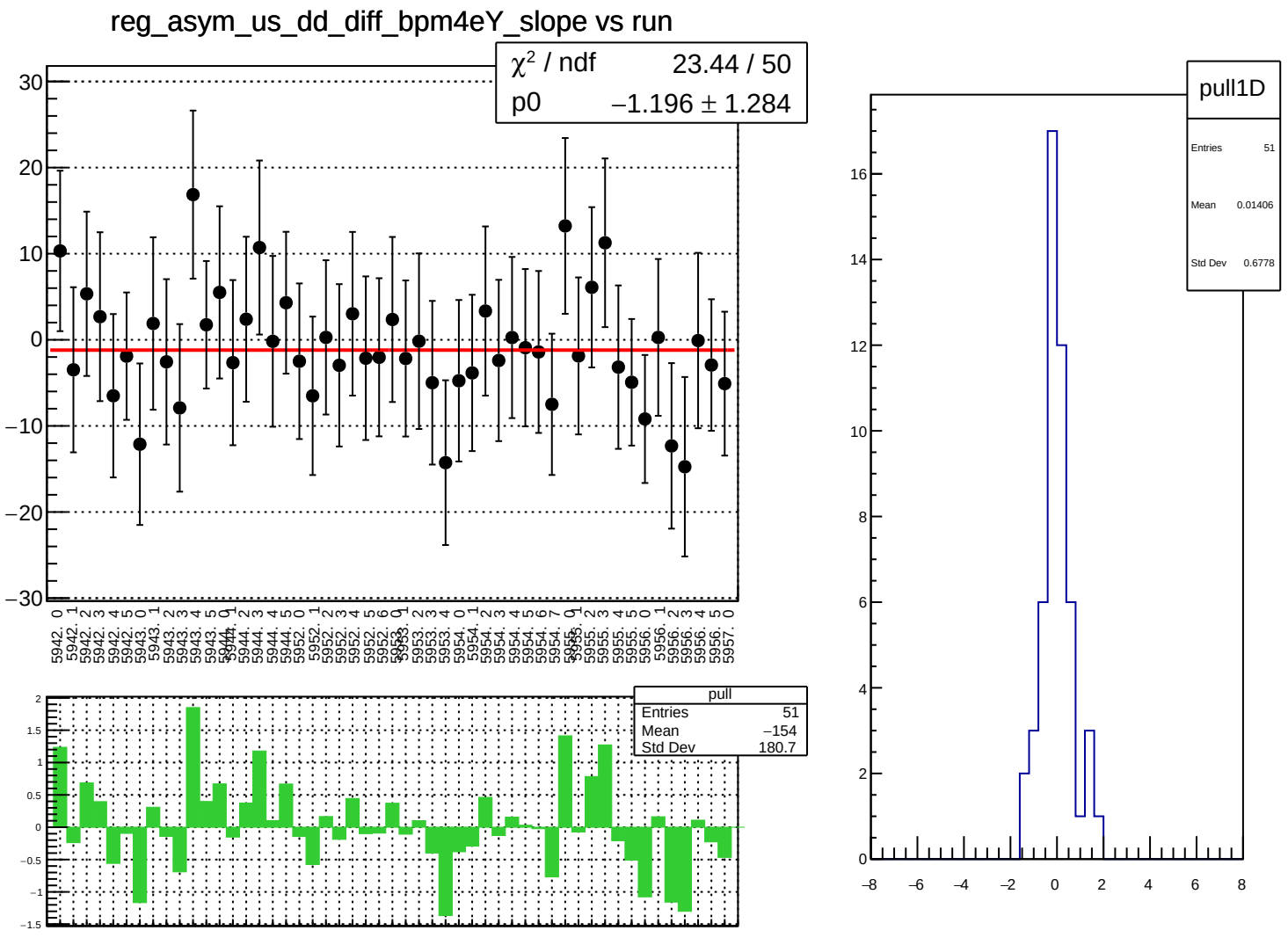

pull1D
Entries 51
Mean 0.000753
Std Dev 0.5964

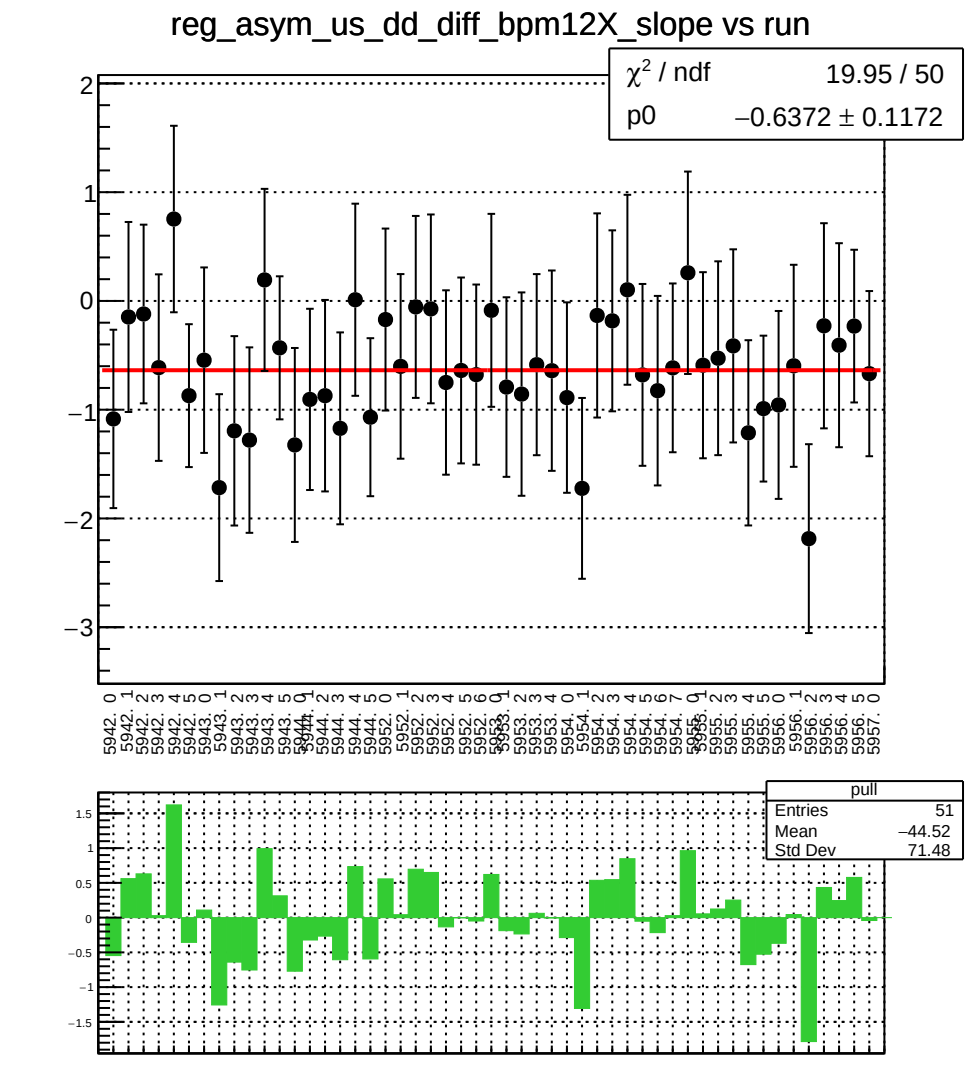

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 24.7 / 50
p0 1.543 ± 0.9843
pull
Entries 51
Mean −157.8
Std Dev 183.9

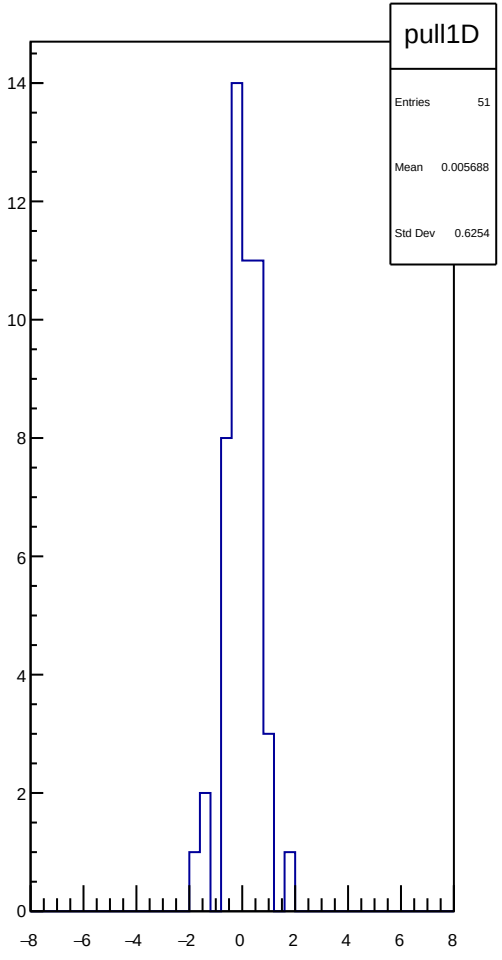

pull1D
Entries 51
Mean −0.0159
Std Dev 0.6958

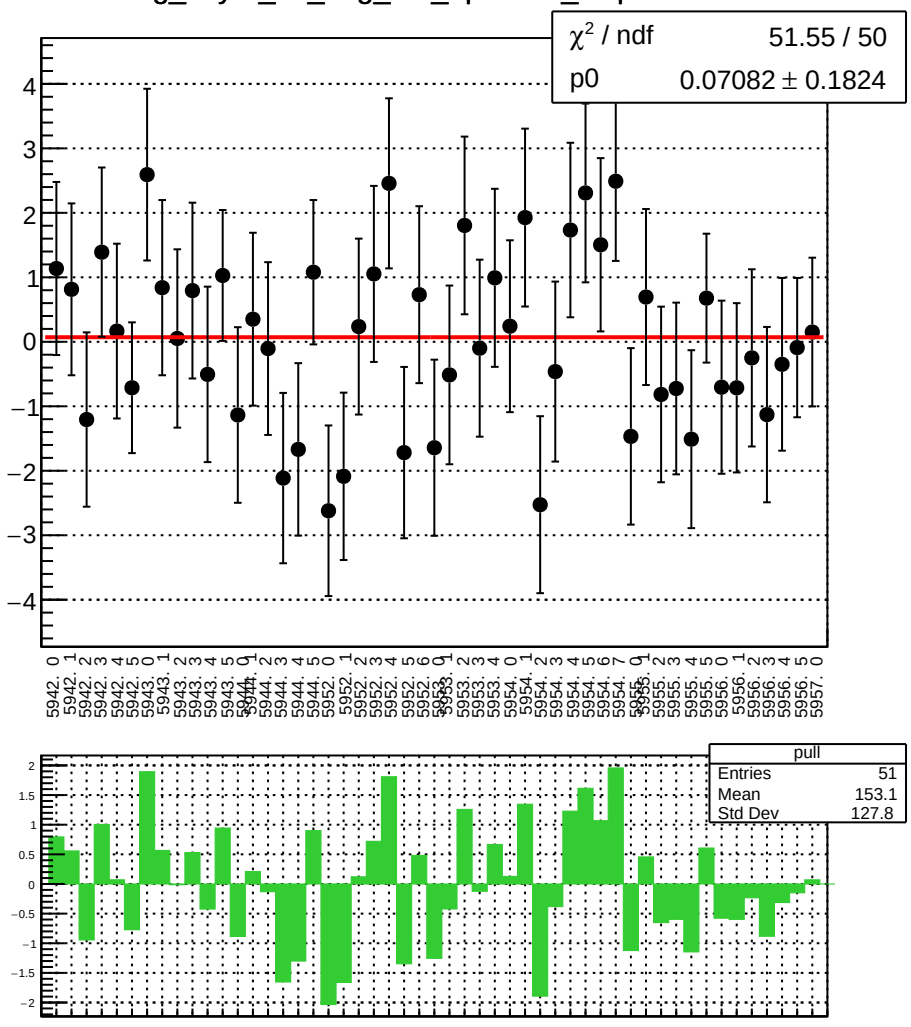

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 17.99 / 50
p0 −53.71 ± 2.825
pull
Entries 51
Mean −288.6
Std Dev 316.8

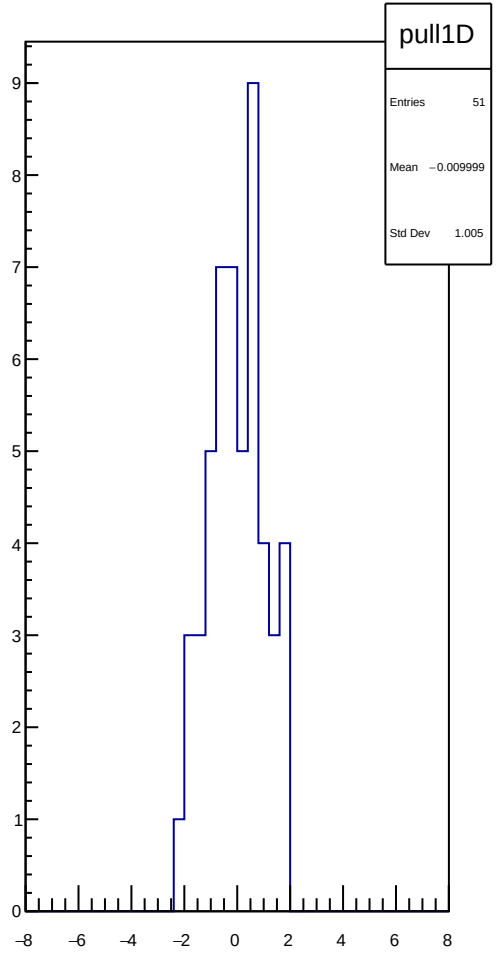

pull1D
Entries 51
Mean −0.0005918
Std Dev 0.594

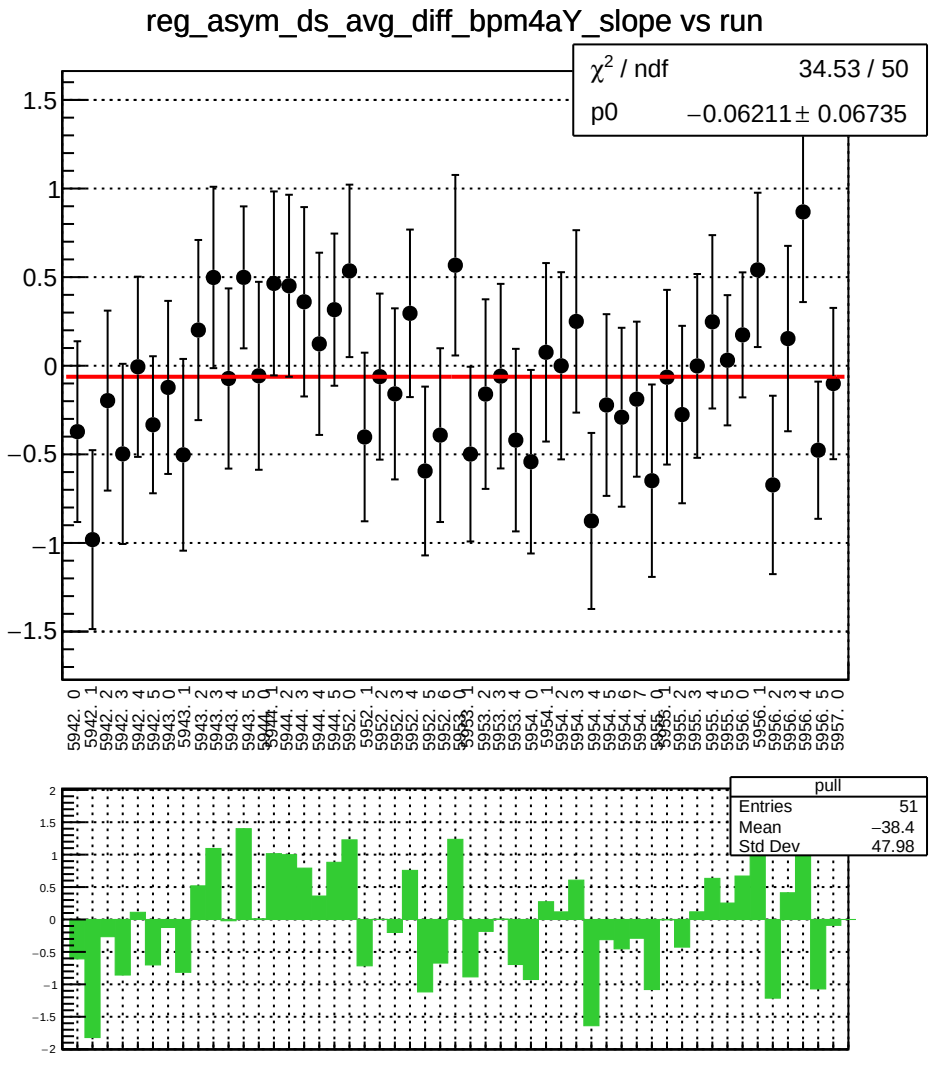

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 23.44 / 50
p0 −1.196 ± 1.284
pull
Entries 51
Mean −154
Std Dev 180.7
pull1D
Entries 51
Mean 0.01406
Std Dev 0.6778

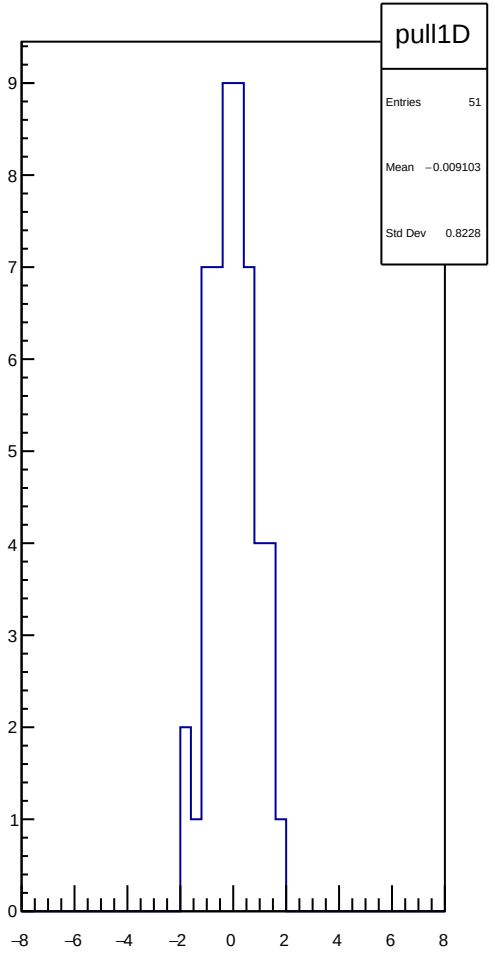

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 19.95 / 50
p0 −0.6372 ± 0.1172
pull
Entries 51
Mean −44.52
Std Dev 71.48

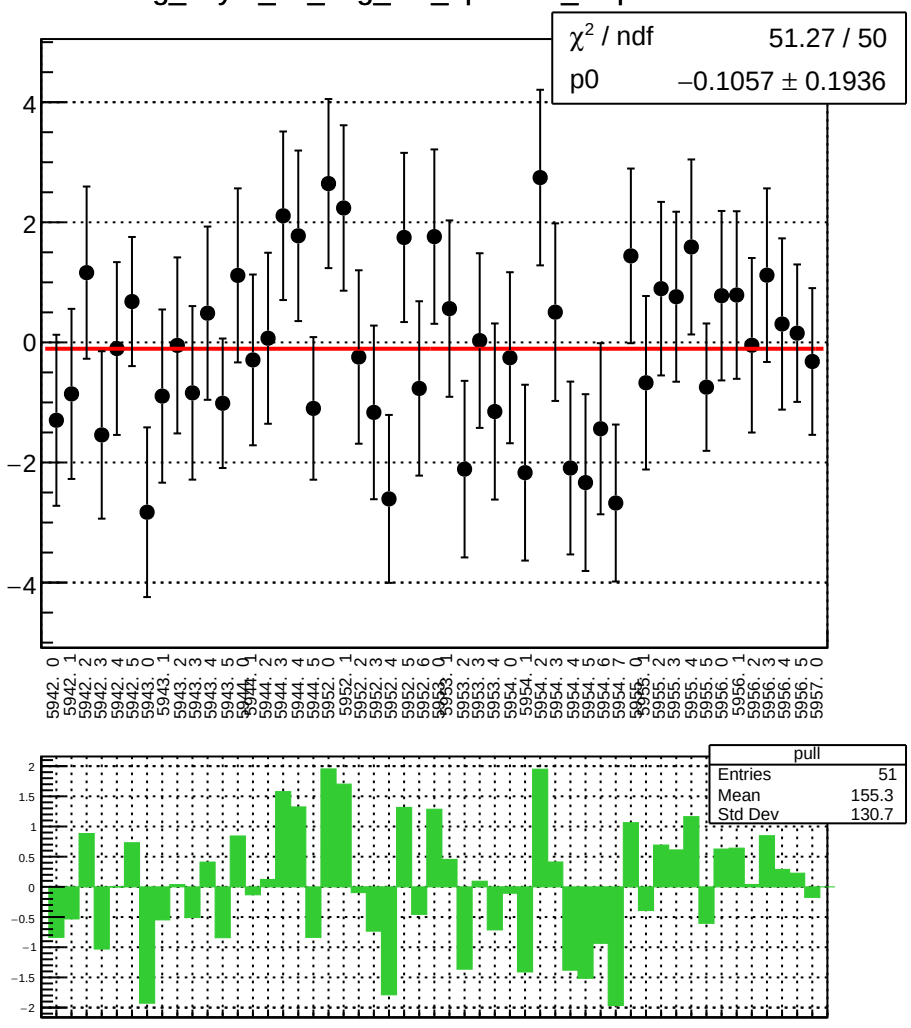

pull1D
Entries 51
Mean 0.005688
Std Dev 0.6254

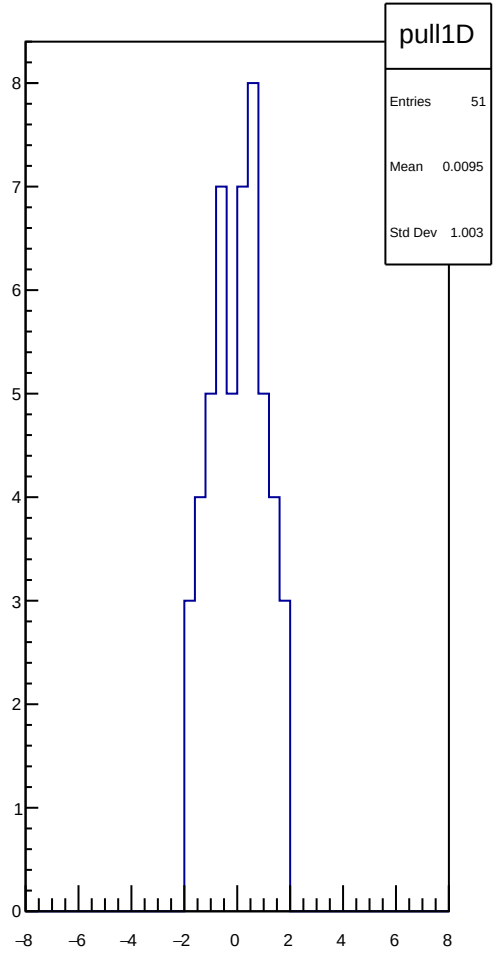

reg_asym_ds_avg_diff_bpm4aX_slope vs run
χ² / ndf 51.55 / 50
p0 0.07082 ± 0.1824
pull
Entries 51
Mean 153.1
Std Dev 127.8

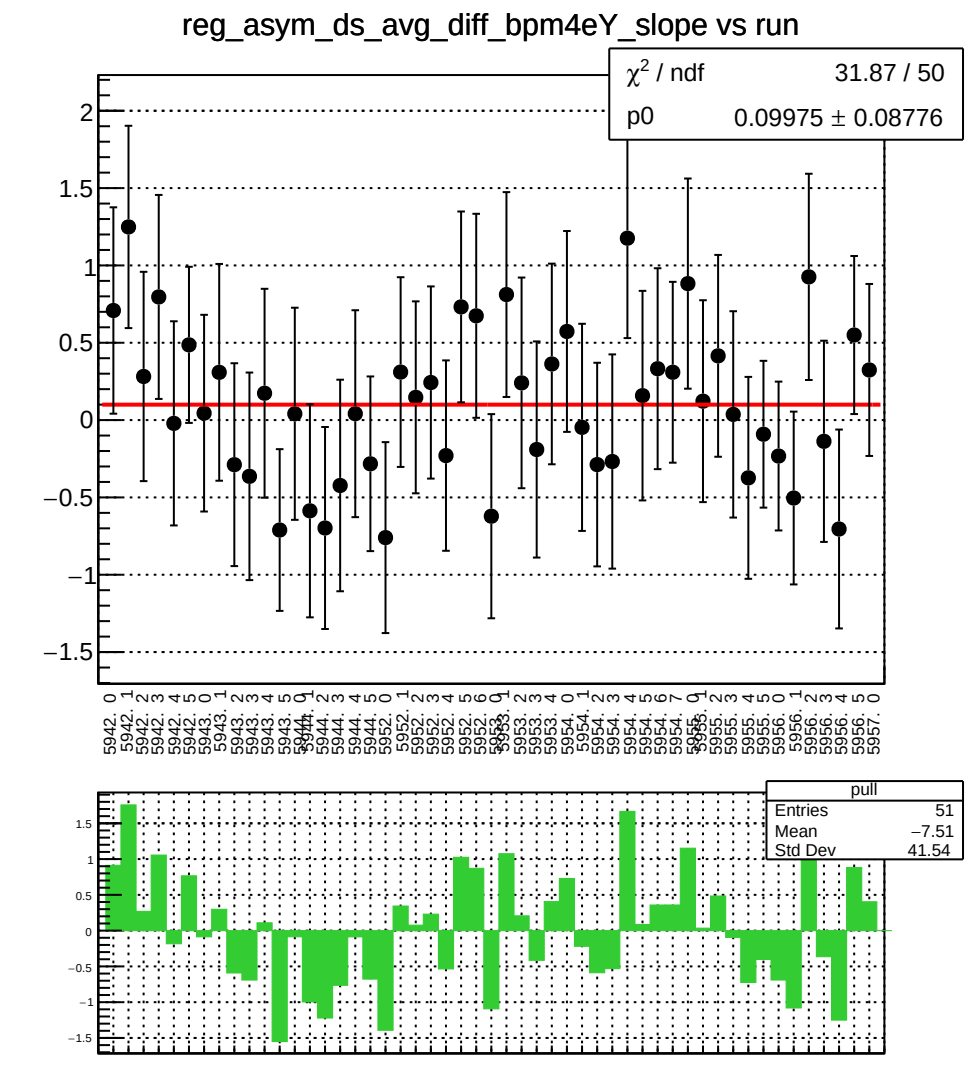

pull1D
Entries 51
Mean −0.009999
Std Dev 1.005

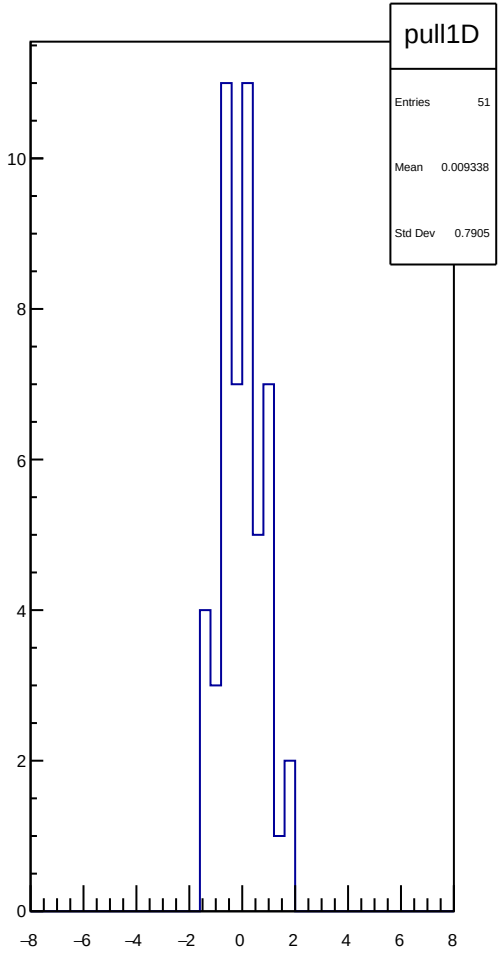

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 34.53 / 50
p0 −0.06211 ± 0.06735
pull
Entries 51
Mean −38.4
Std Dev 47.98

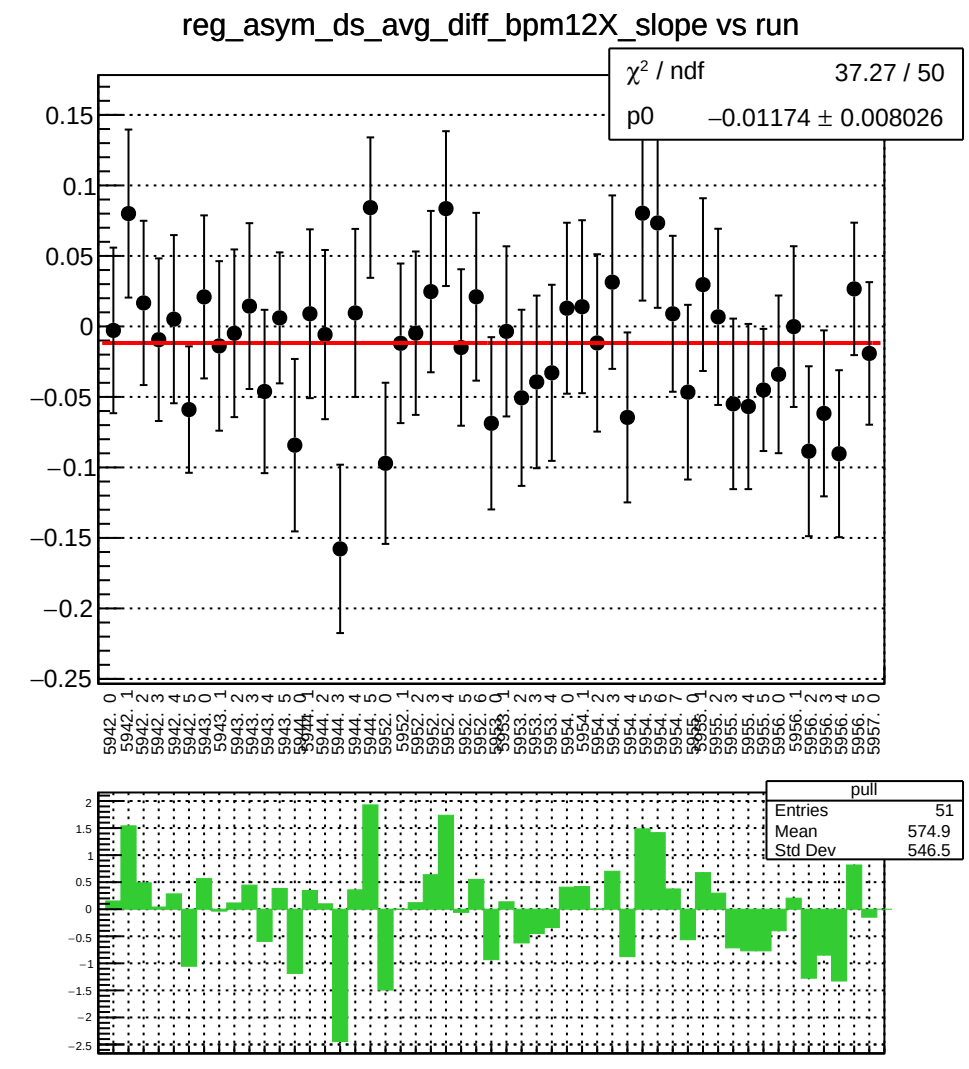

pull1D
Entries 51
Mean −0.009103
Std Dev 0.8228

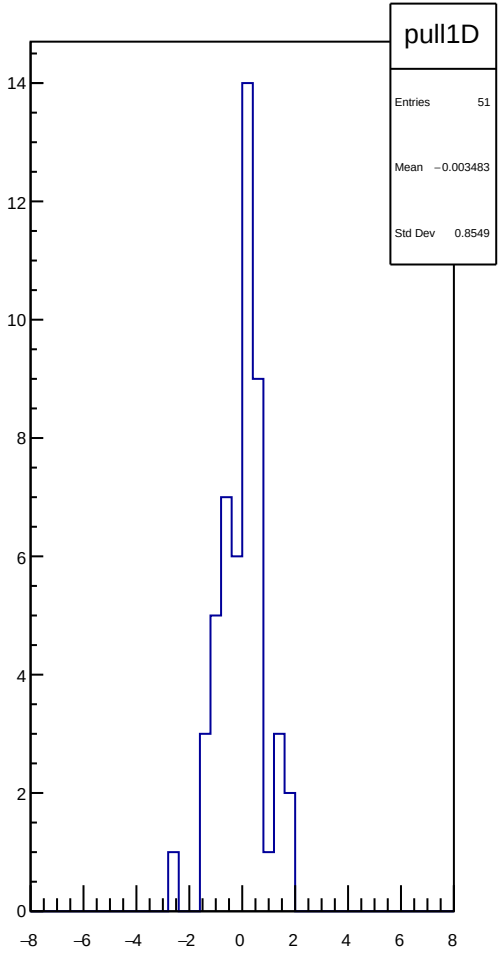

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 51.27 / 50
p0 −0.1057 ± 0.1936
pull
Entries 51
Mean 155.3
Std Dev 130.7

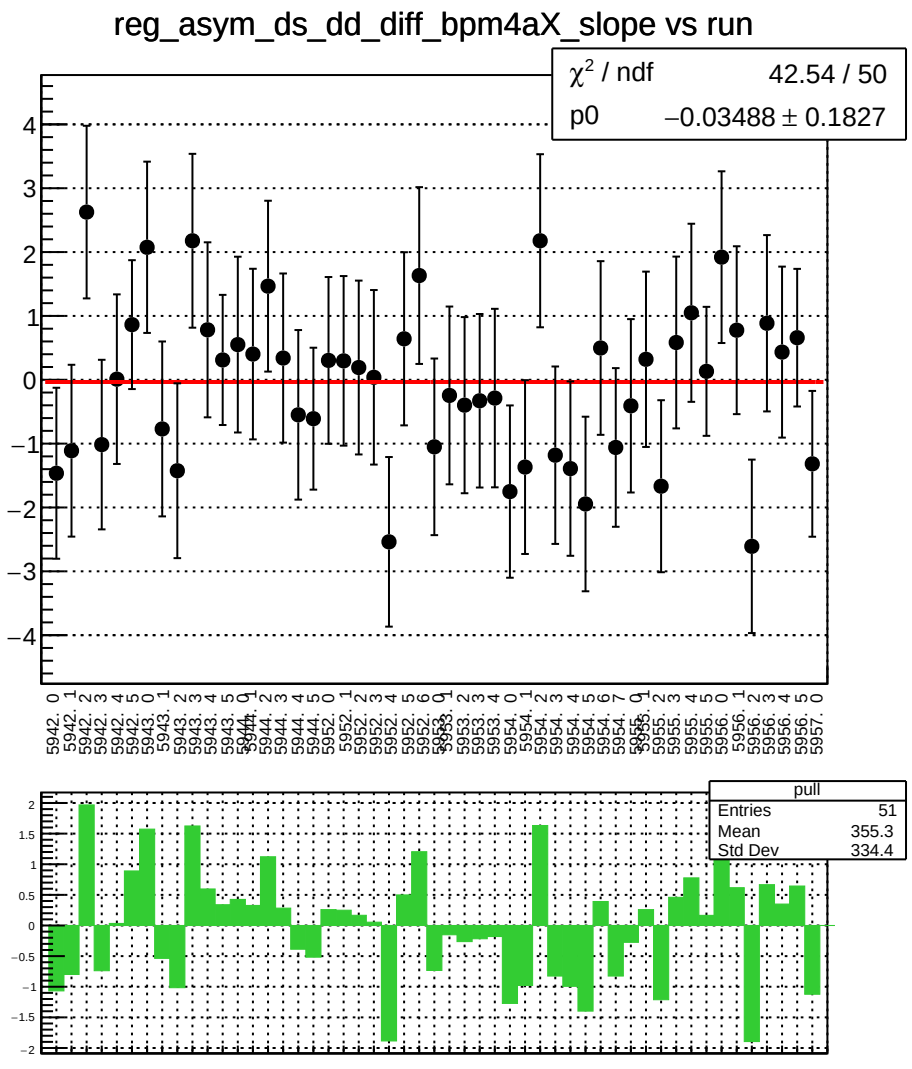

pull1D
Entries 51
Mean 0.0095
Std Dev 1.003

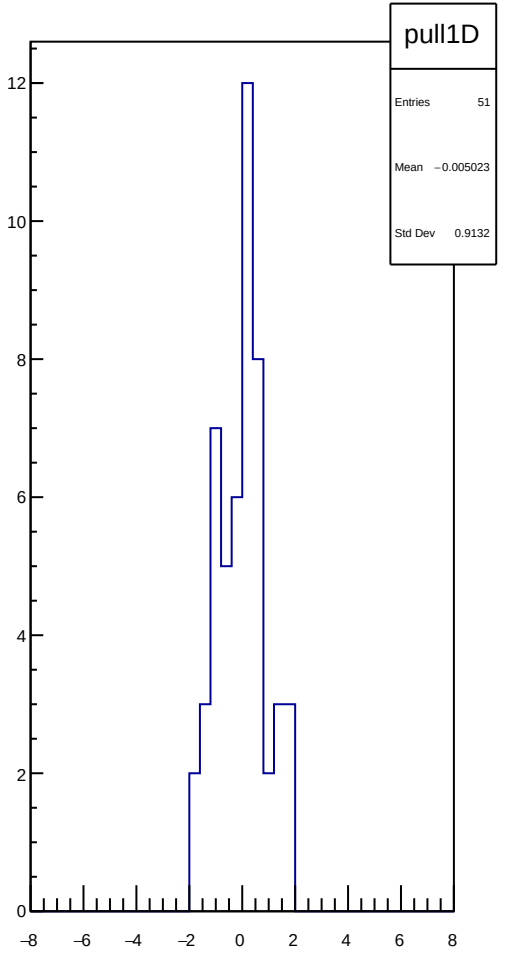

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 31.87 / 50
p0 0.09975 ± 0.08776
pull
Entries 51
Mean −7.51
Std Dev 41.54

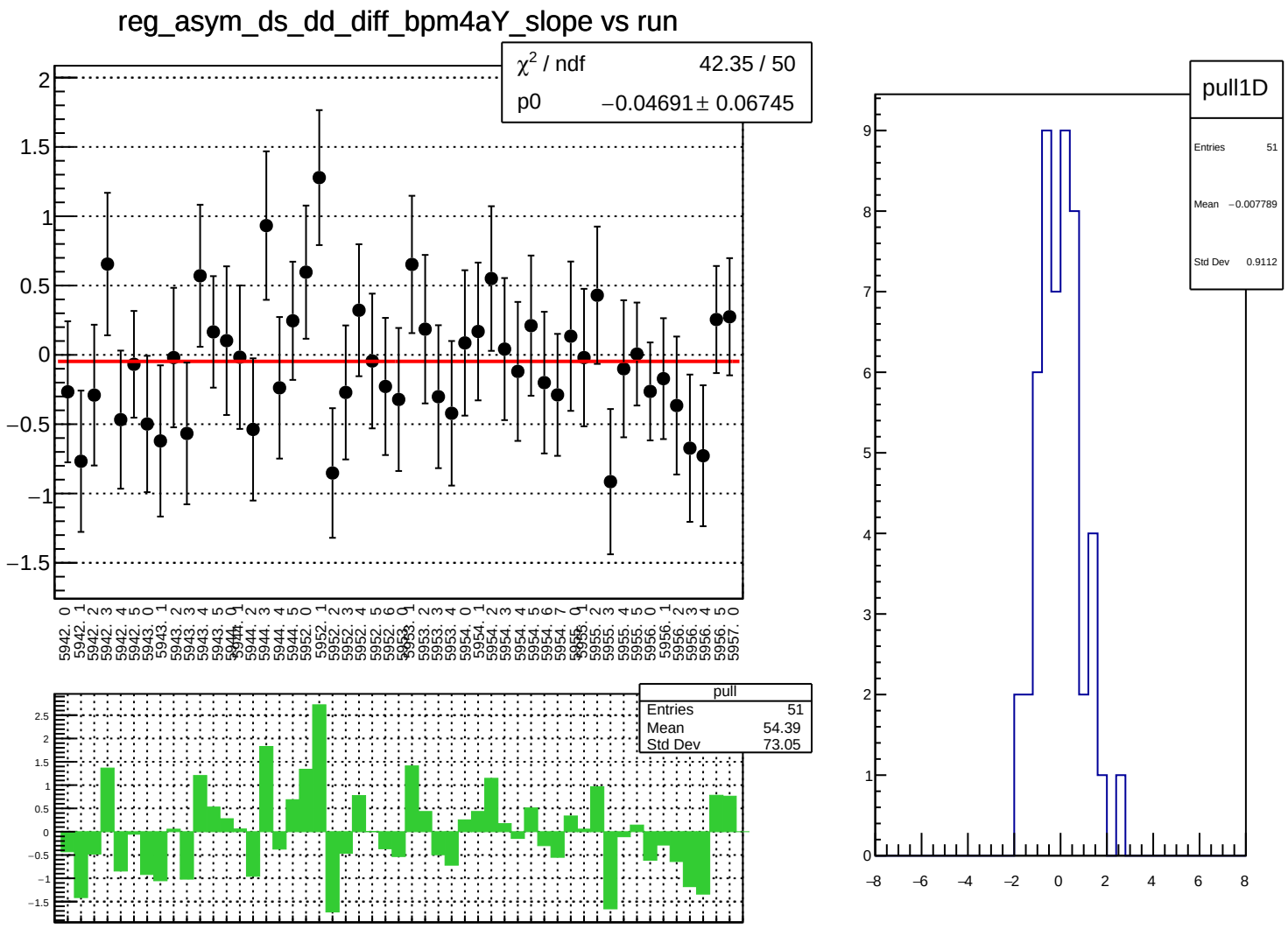

pull1D
Entries 51
Mean 0.009338
Std Dev 0.7905

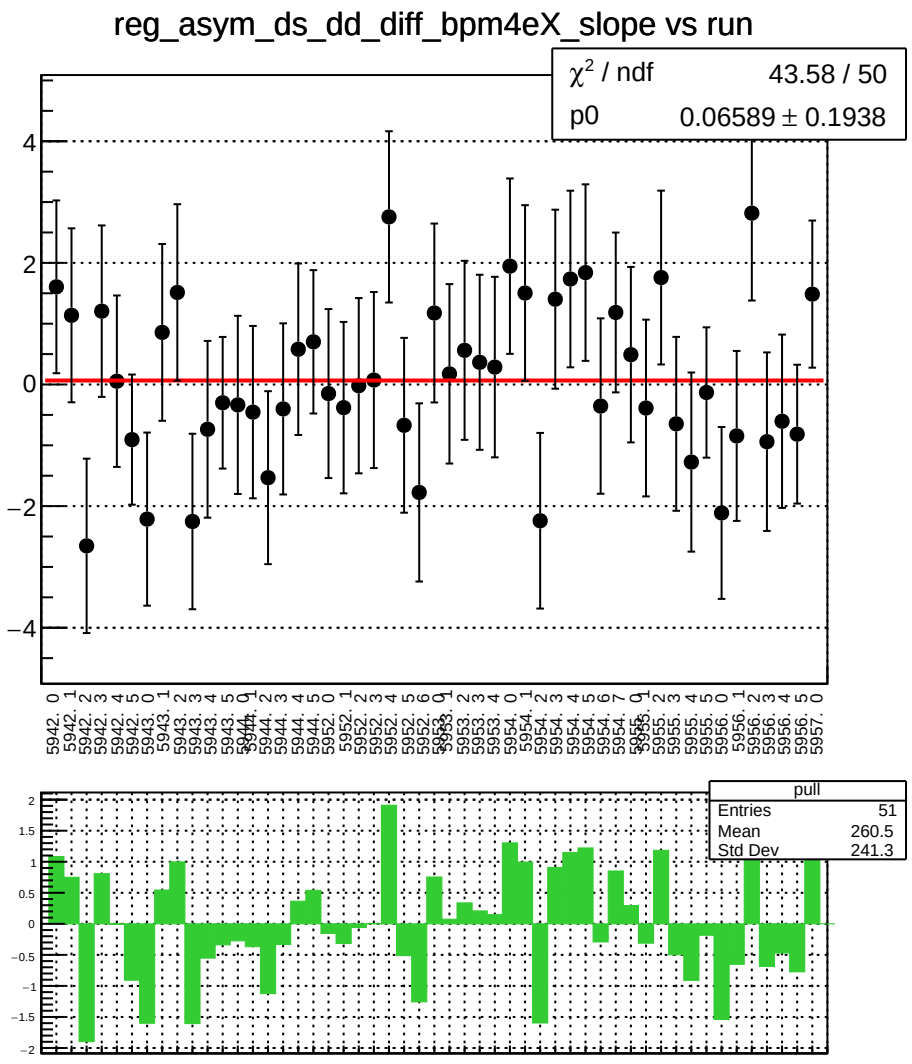

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 37.27 / 50
p0 −0.01174 ± 0.008026
pull
Entries 51
Mean 574.9
Std Dev 546.5

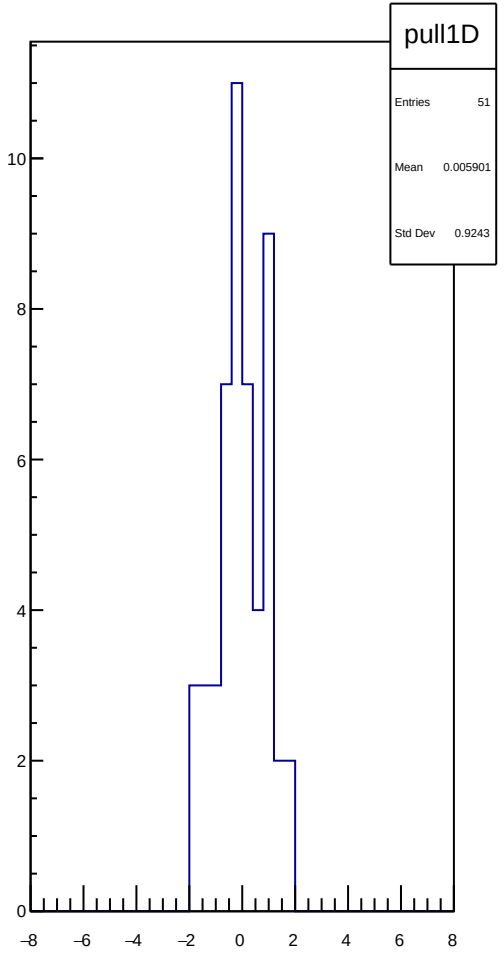

pull1D
Entries 51
Mean −0.003483
Std Dev 0.8549

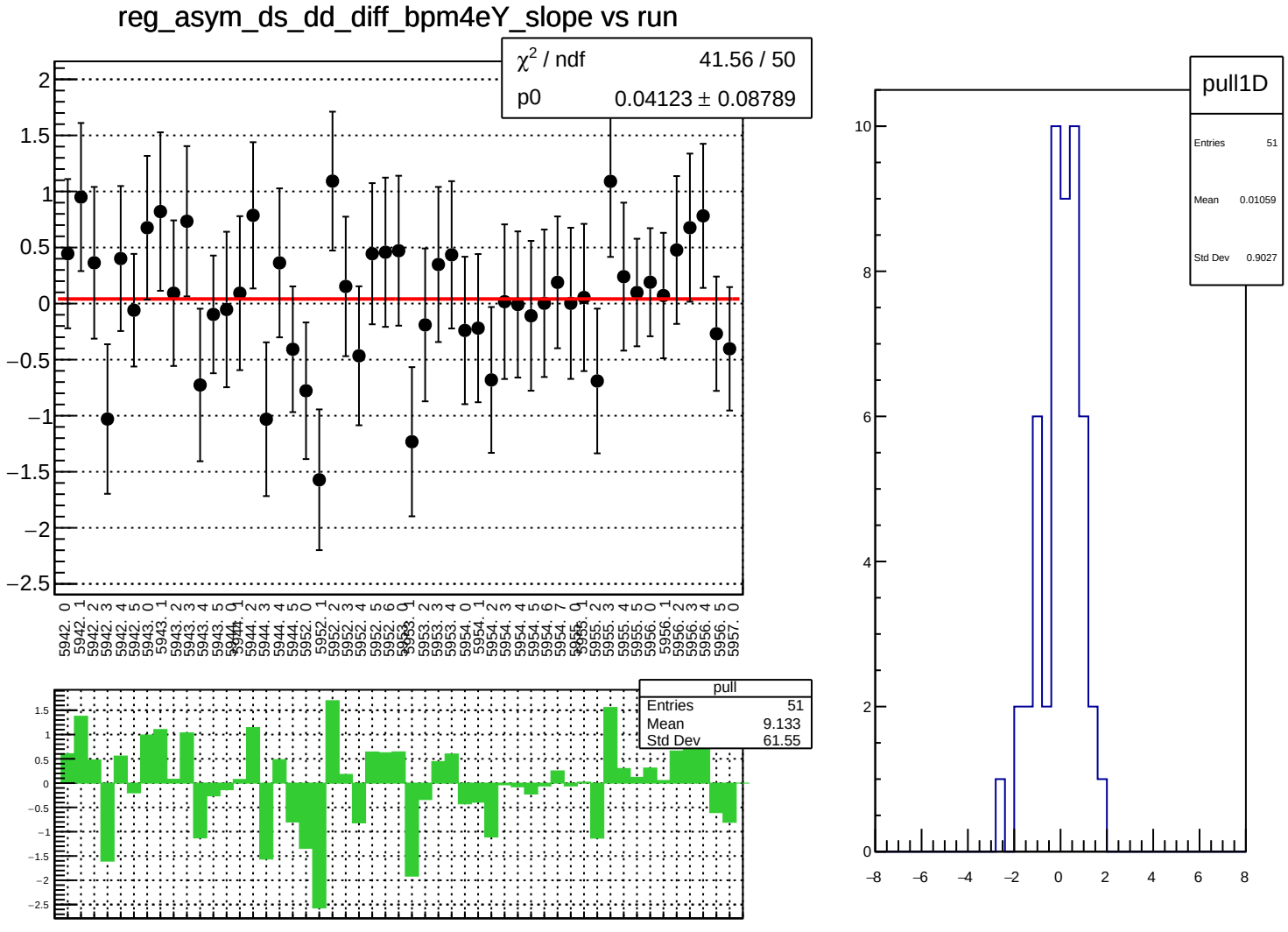

reg_asym_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 42.54 / 50
p0 −0.03488 ± 0.1827
pull
Entries 51
Mean 355.3
Std Dev 334.4

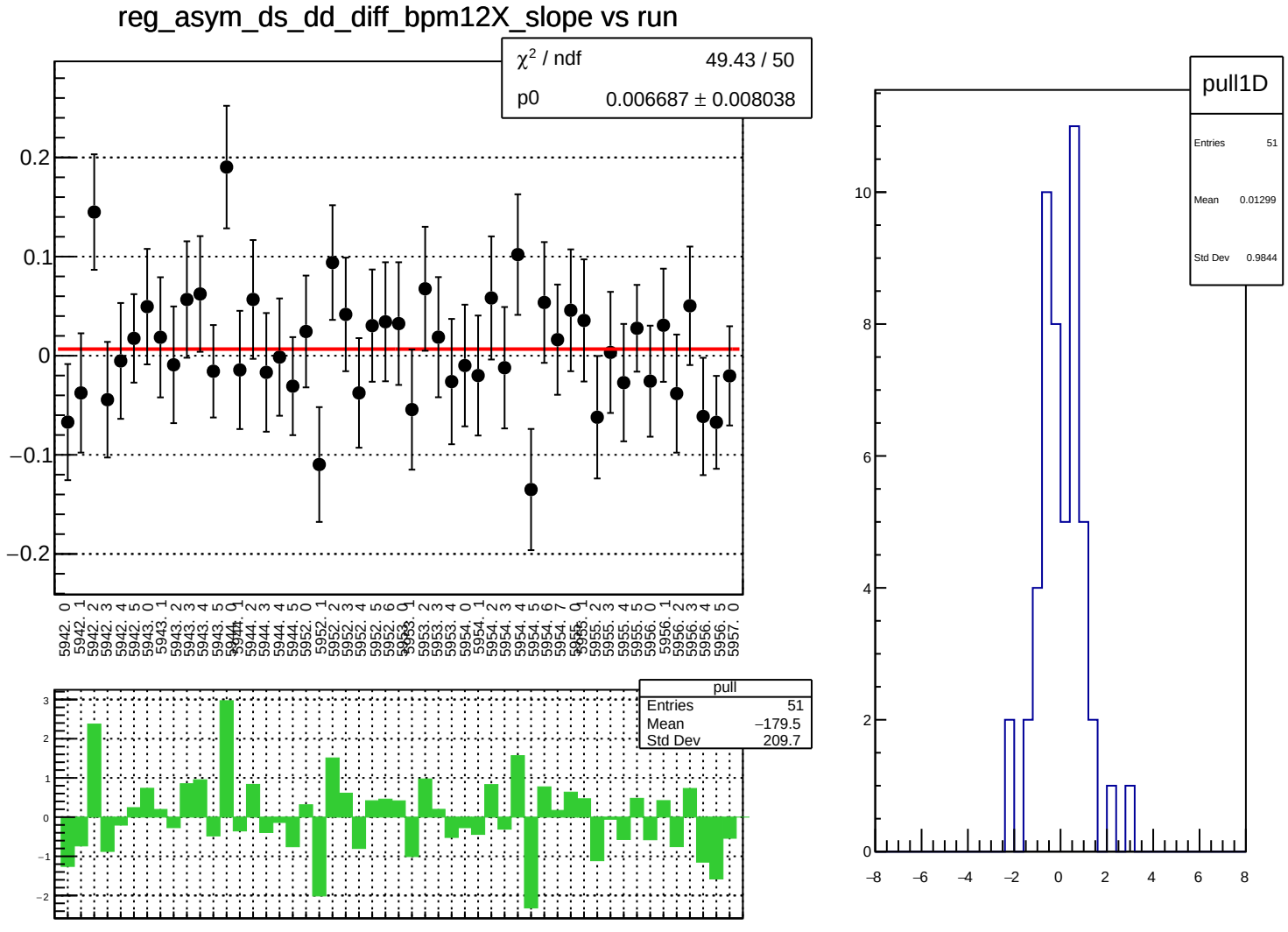

pull1D
Entries 51
Mean −0.005023
Std Dev 0.9132

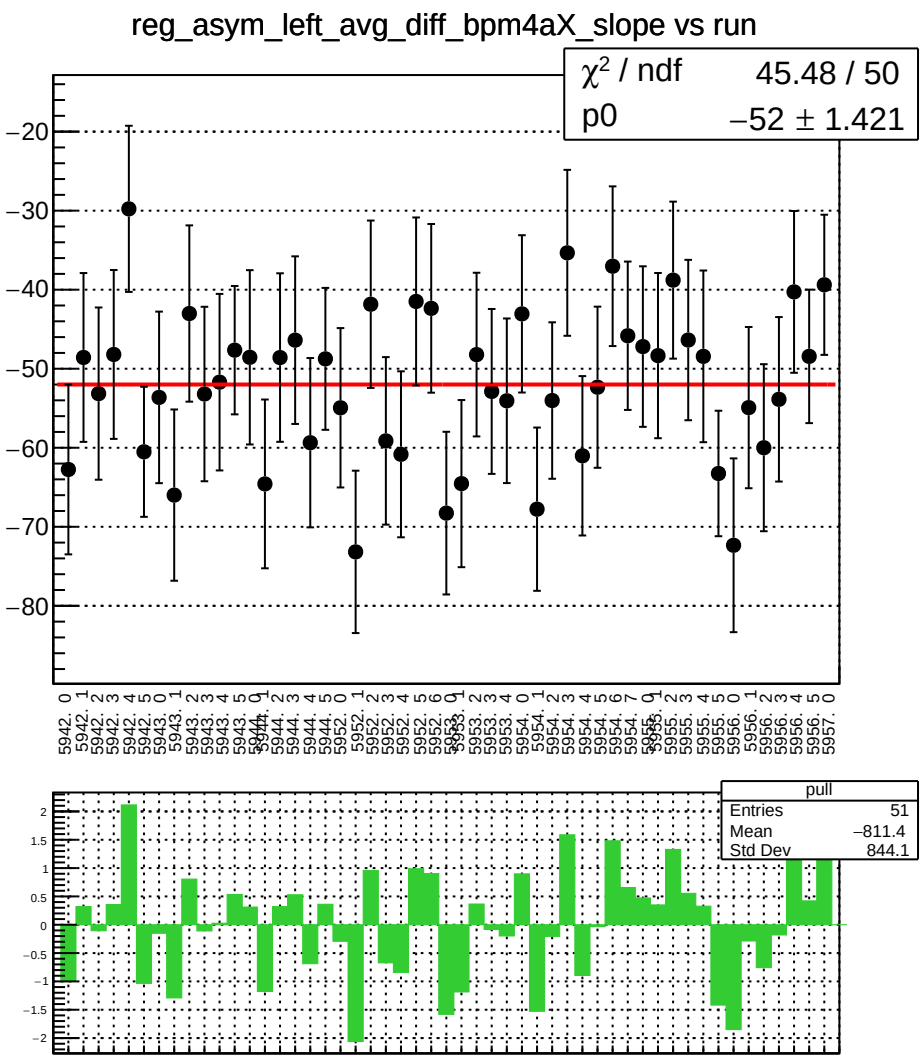

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 42.35 / 50
p0 −0.04691 ± 0.06745
pull
Entries 51
Mean 54.39
Std Dev 73.05
pull1D
Entries 51
Mean −0.007789
Std Dev 0.9112

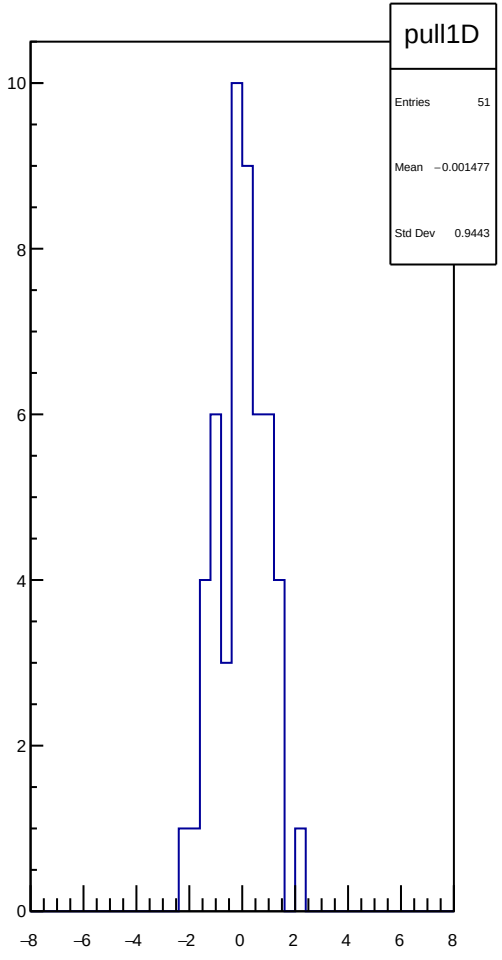

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 43.58 / 50
p0 0.06589 ± 0.1938
pull
Entries 51
Mean 260.5
Std Dev 241.3

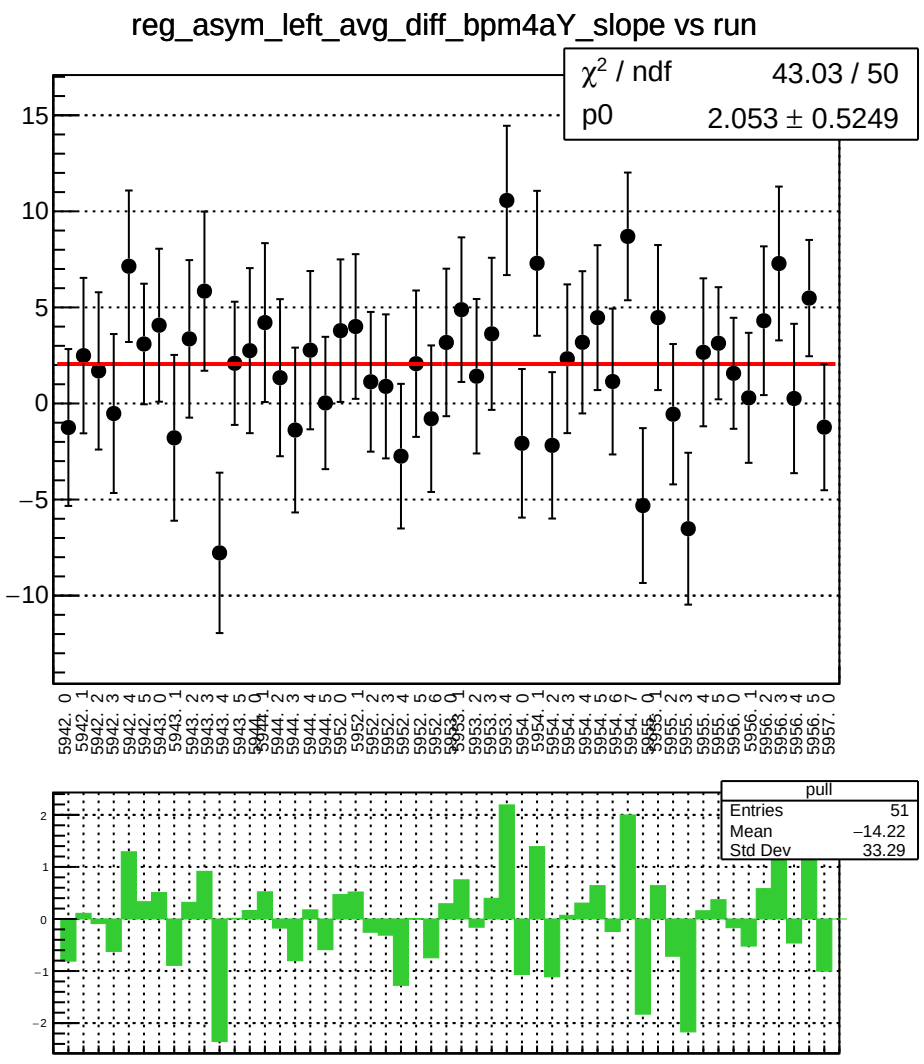

pull1D
Entries 51
Mean 0.005901
Std Dev 0.9243

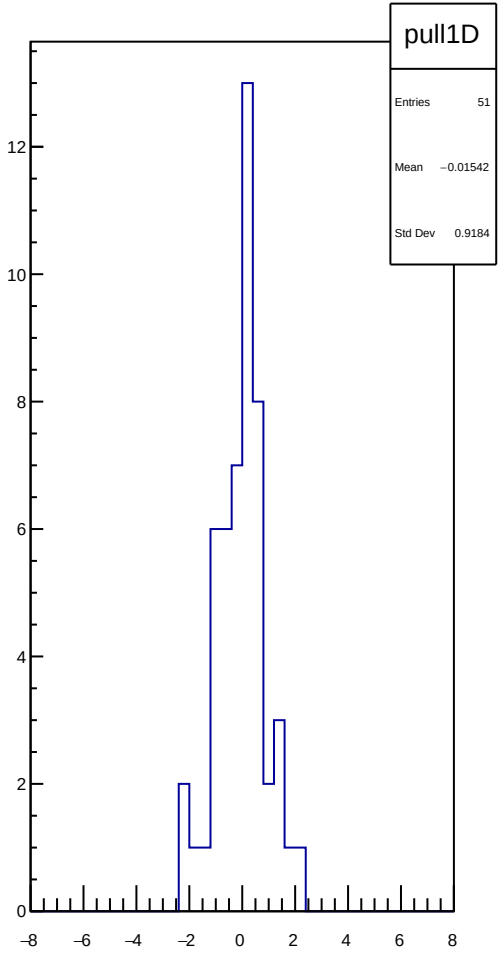

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 41.56 / 50
p0 0.04123 ± 0.08789
pull
Entries 51
Mean 9.133
Std Dev 61.55
pull1D
Entries 51
Mean 0.01059
Std Dev 0.9027

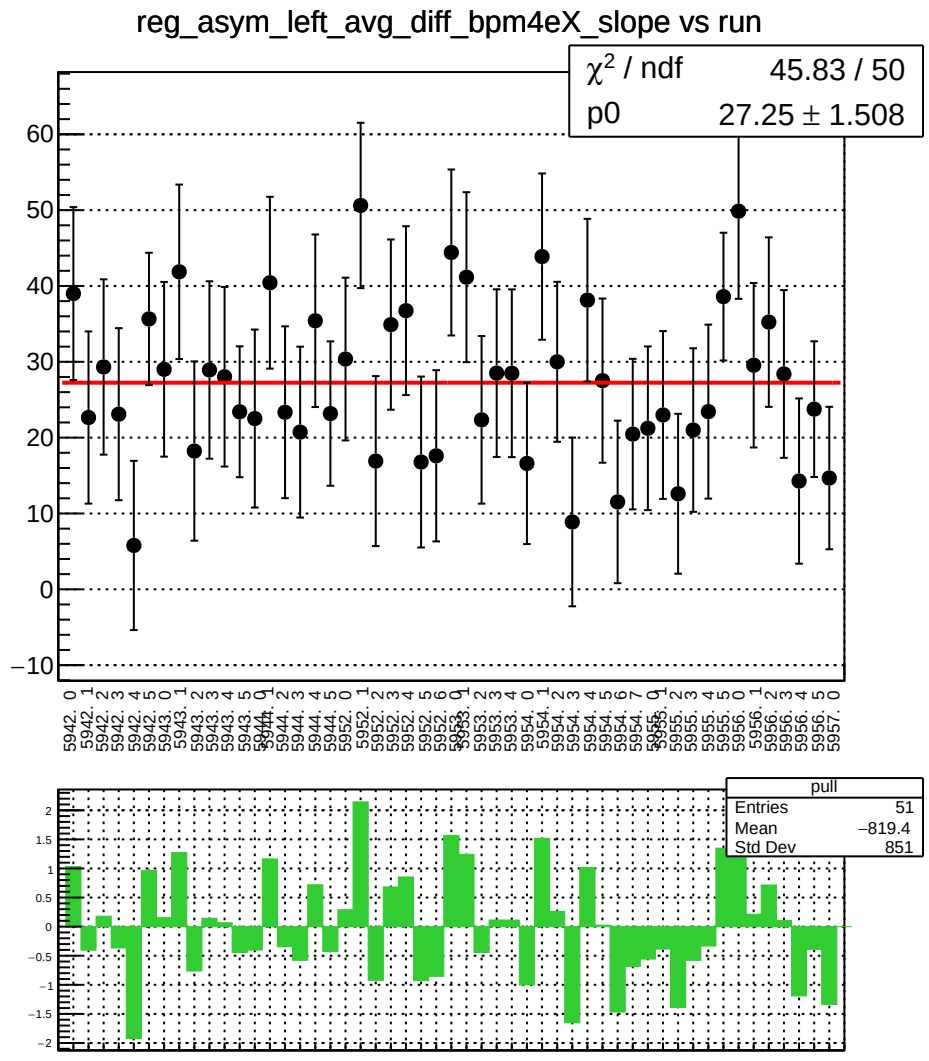

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 49.43 / 50
p0 0.006687 ± 0.008038
pull
Entries 51
Mean −179.5
Std Dev 209.7
pull1D
Entries 51
Mean 0.01299
Std Dev 0.9844

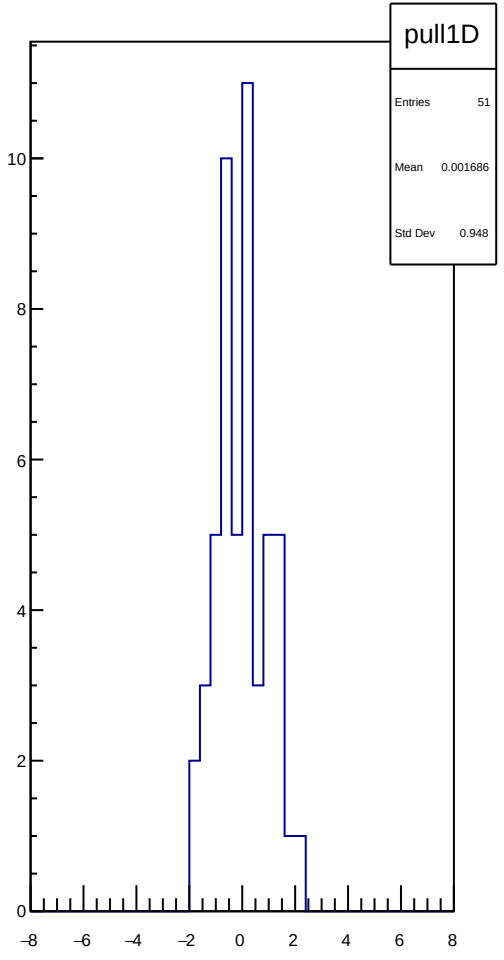

reg_asym_left_avg_diff_bpm4aX_slope vs run
χ² / ndf 45.48 / 50
p0 −52 ± 1.421
pull
Entries 51
Mean −811.4
Std Dev 844.1

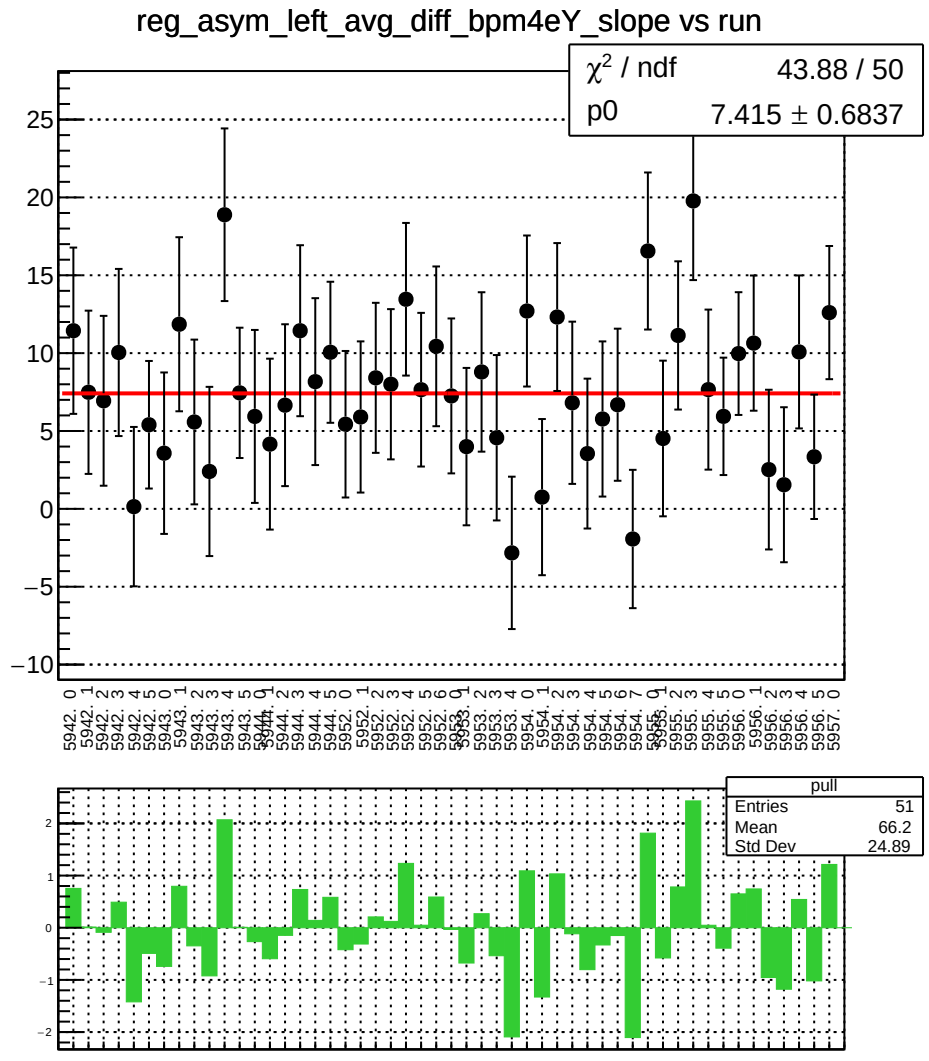

pull1D
Entries 51
Mean −0.001477
Std Dev 0.9443

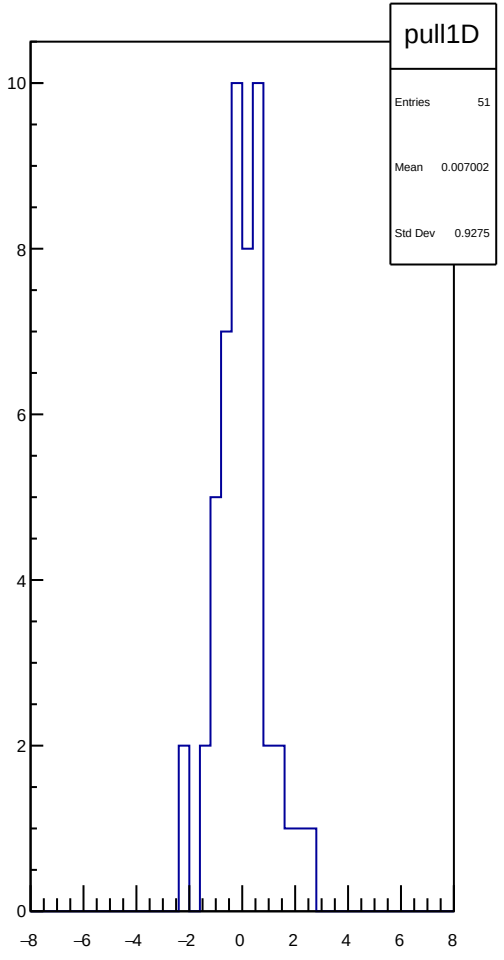

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 43.03 / 50
p0 2.053 ± 0.5249
pull
Entries 51
Mean −14.22
Std Dev 33.29

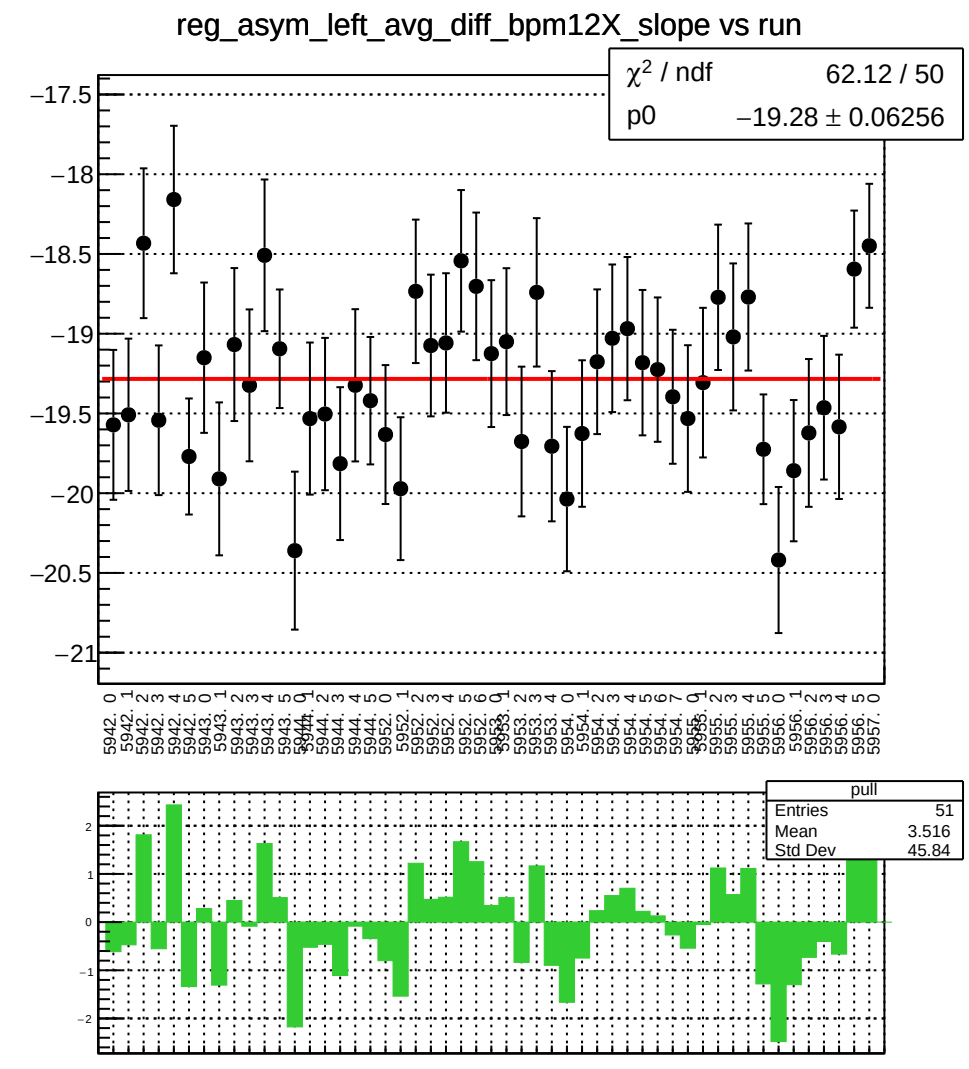

pull1D
Entries 51
Mean −0.01542
Std Dev 0.9184

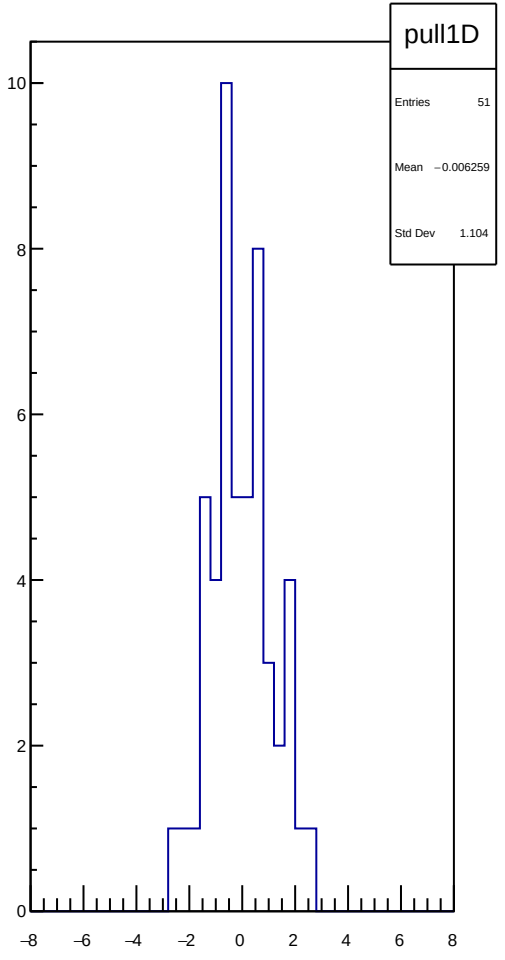

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 45.83 / 50
p0 27.25 ± 1.508
pull
Entries 51
Mean −819.4
Std Dev 851

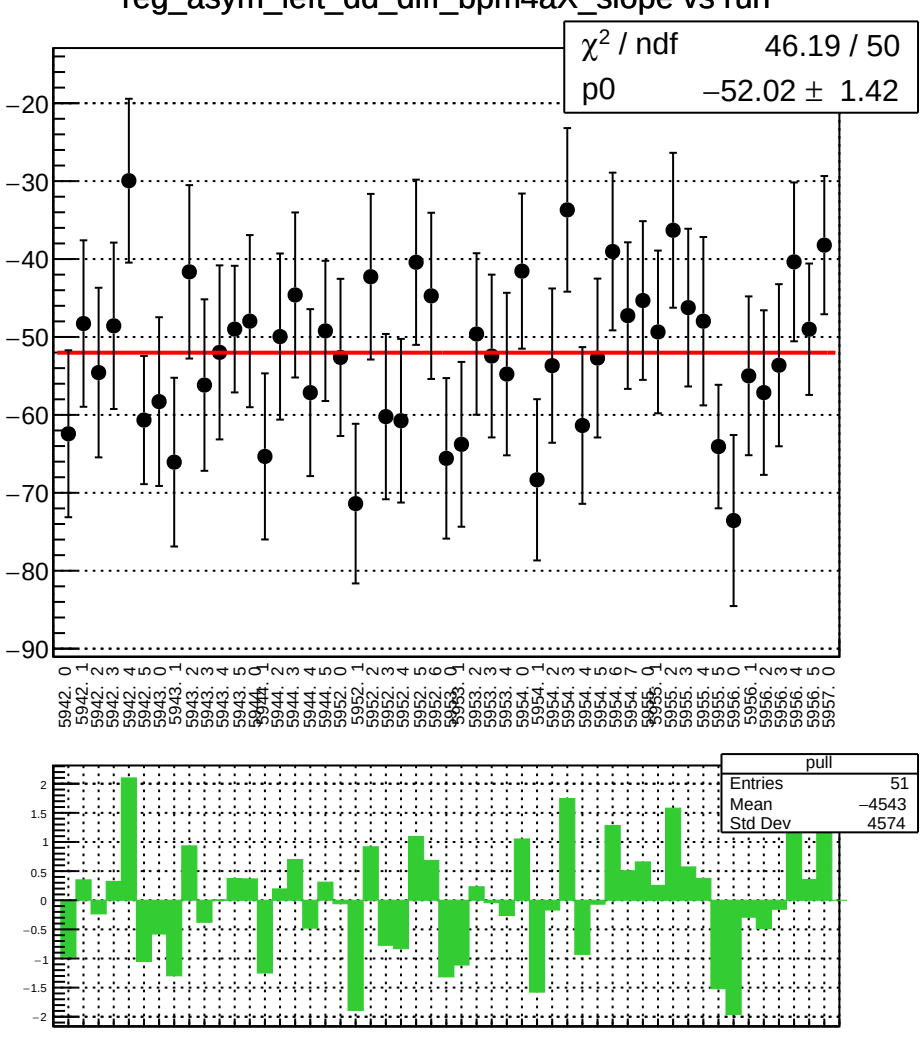

pull1D
Entries 51
Mean 0.001686
Std Dev 0.948

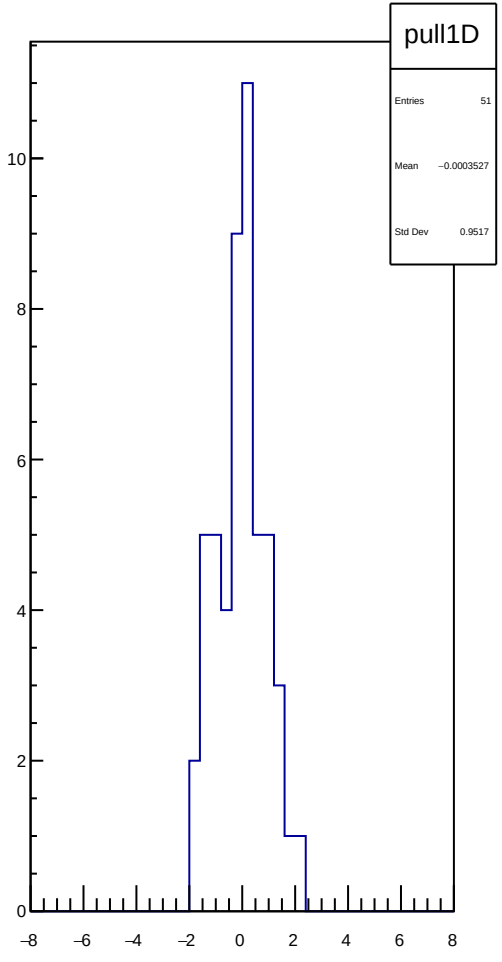

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 43.88 / 50
p0 7.415 ± 0.6837
pull
Entries 51
Mean 66.2
Std Dev 24.89

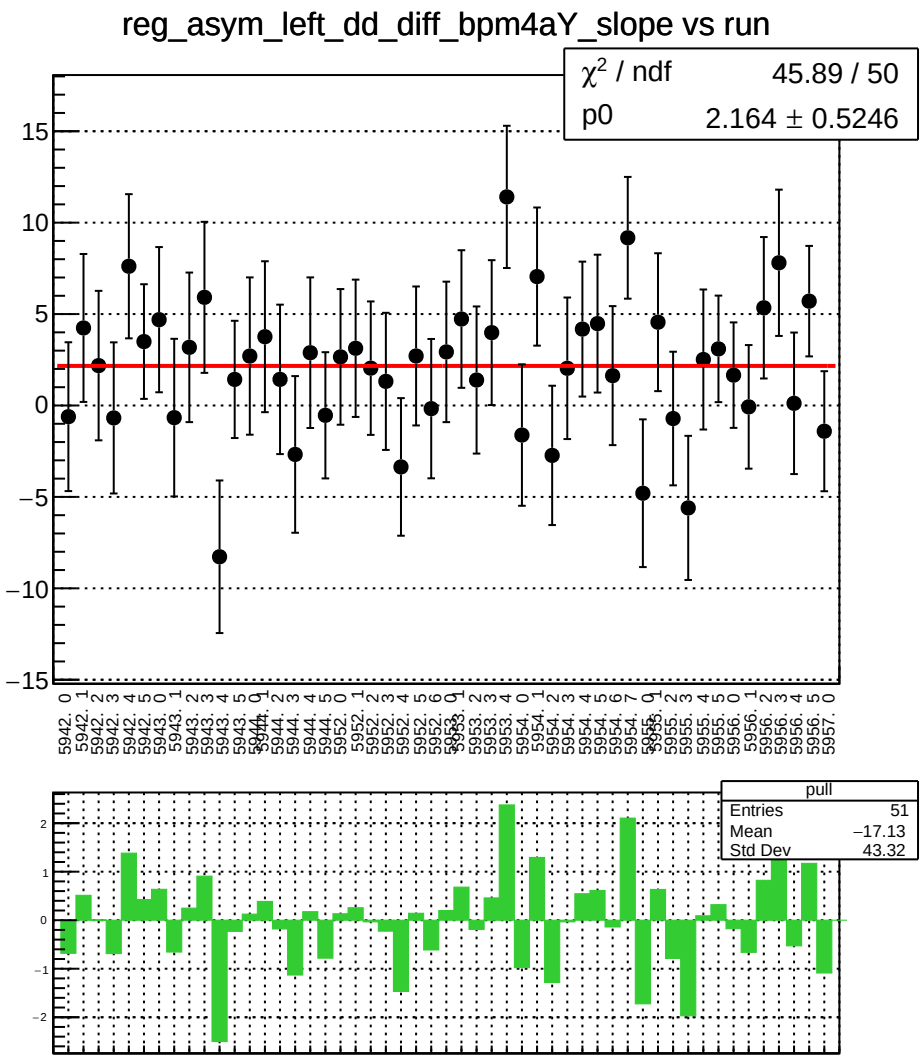

pull1D
Entries 51
Mean 0.007002
Std Dev 0.9275

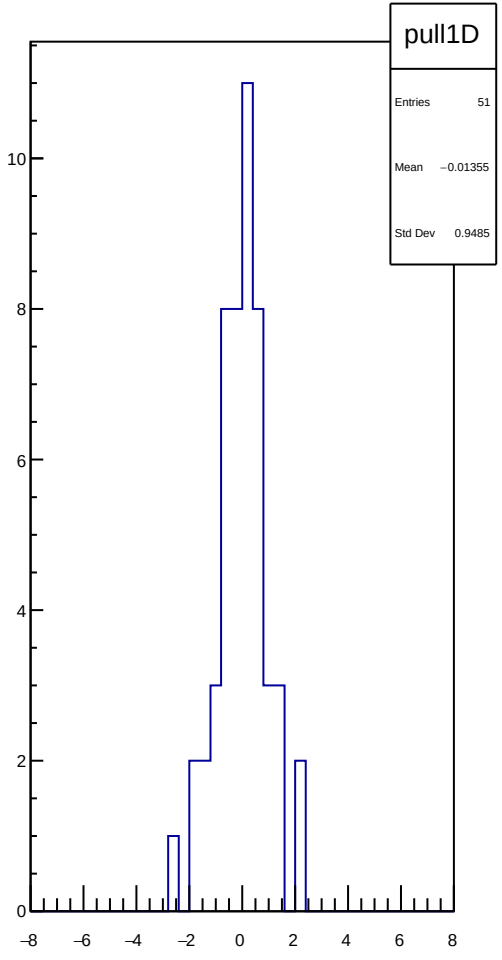

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 62.12 / 50
p0 −19.28 ± 0.06256
pull
Entries 51
Mean 3.516
Std Dev 45.84

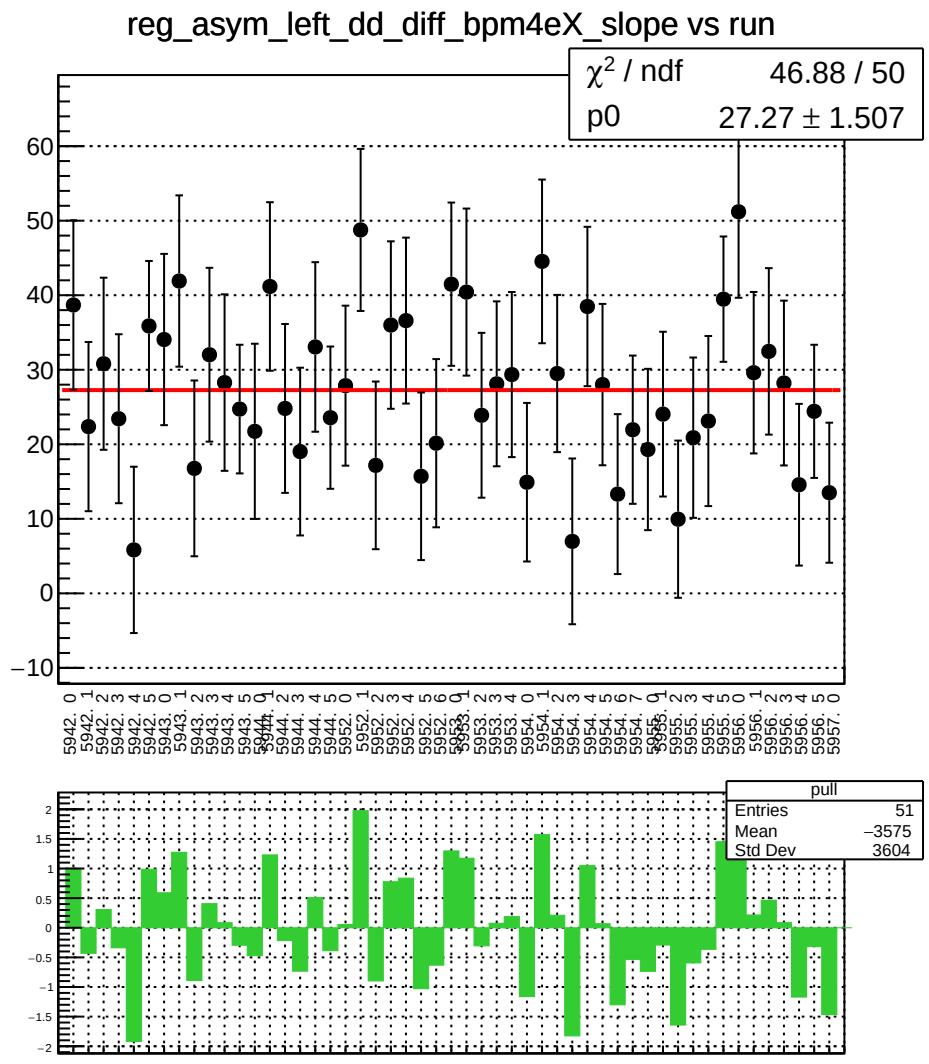

pull1D
Entries 51
Mean −0.006259
Std Dev 1.104

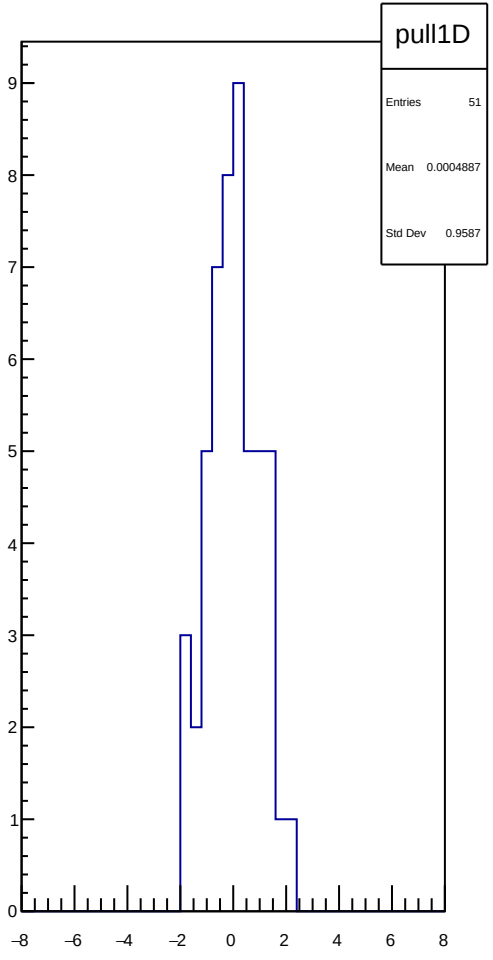

reg_asym_left_dd_diff_bpm4aX_slope vs run
χ² / ndf 46.19 / 50
p0 −52.02 ± 1.42
pull
Entries 51
Mean −4543
Std Dev 4574

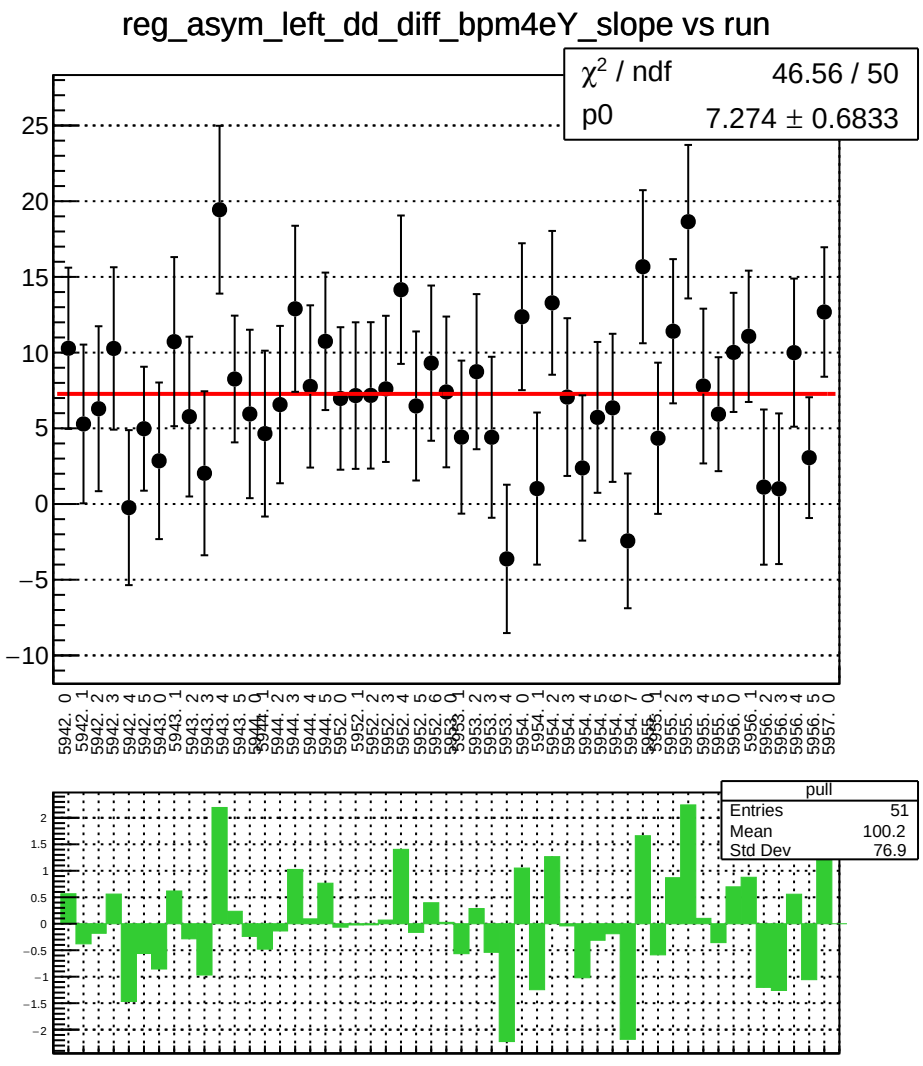

pull1D
Entries 51
Mean −0.0003527
Std Dev 0.9517

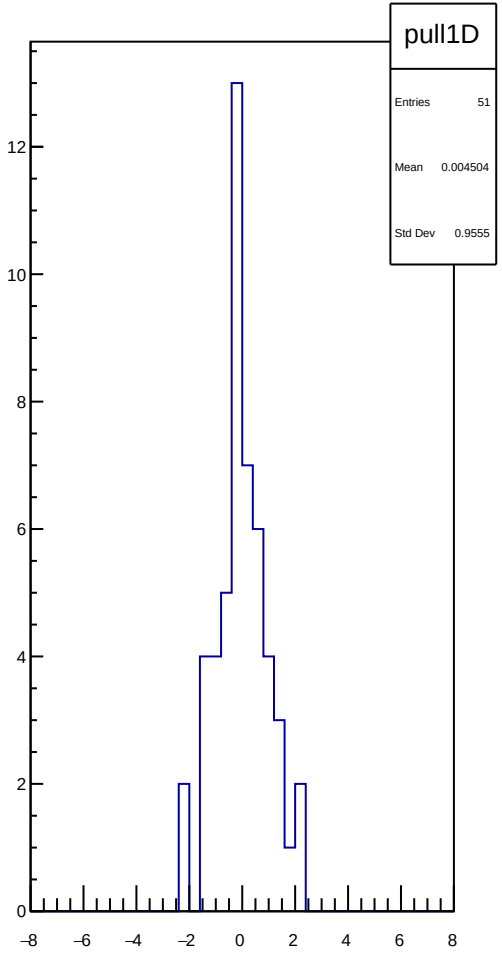

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 45.89 / 50
p0 2.164 ± 0.5246
pull
Entries 51
Mean −17.13
Std Dev 43.32

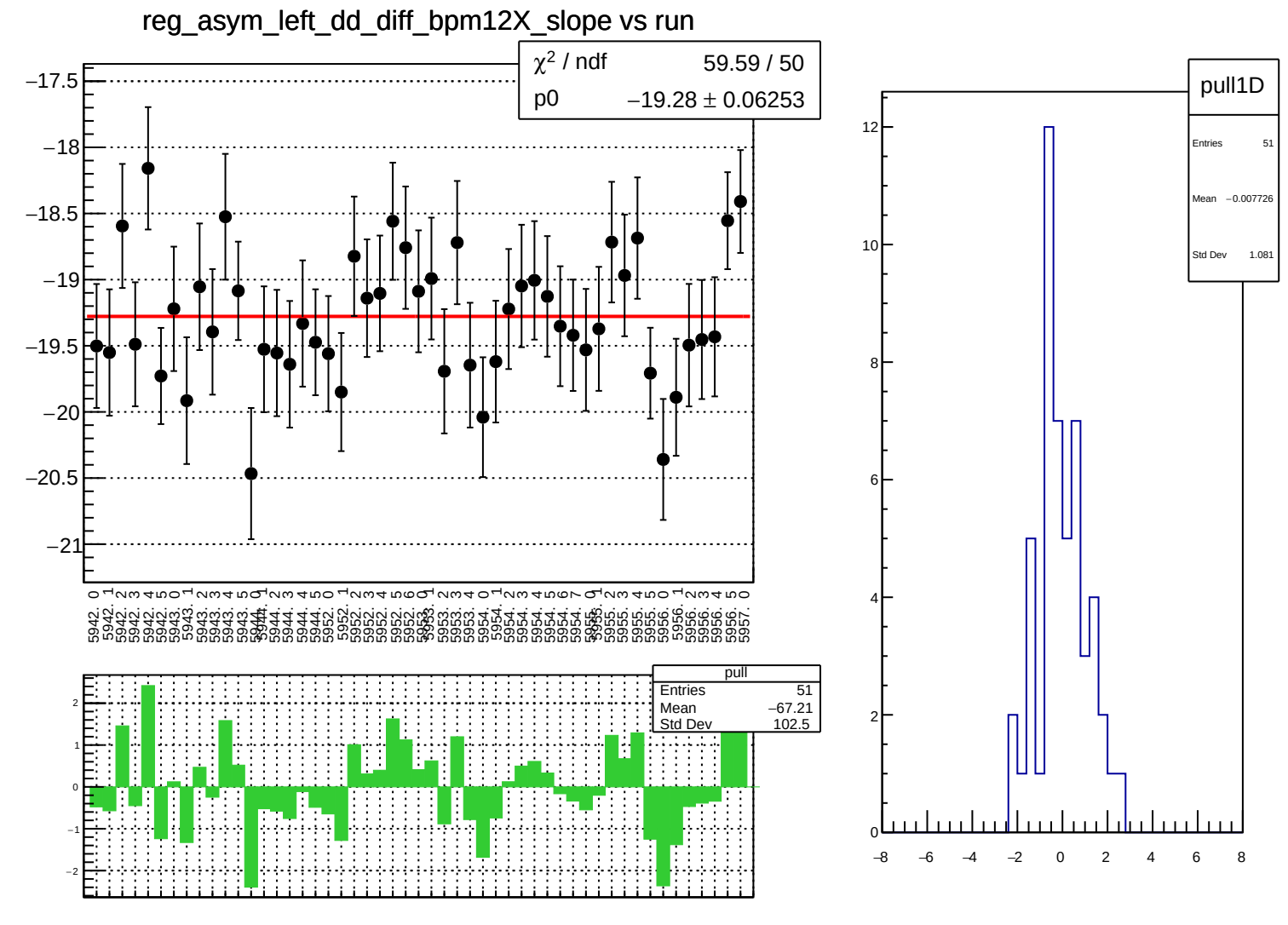

pull1D
Entries 51
Mean −0.01355
Std Dev 0.9485

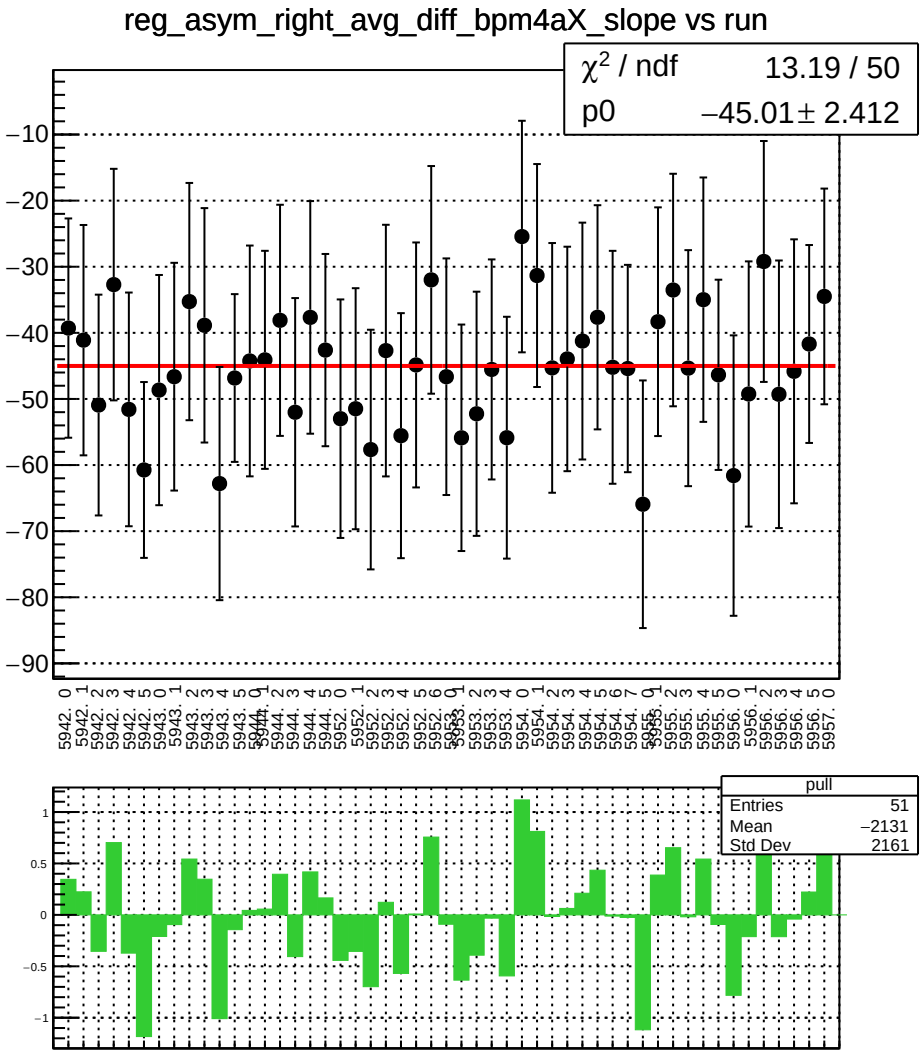

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 46.88 / 50
p0 27.27 ± 1.507
pull
Entries 51
Mean −3575
Std Dev 3604

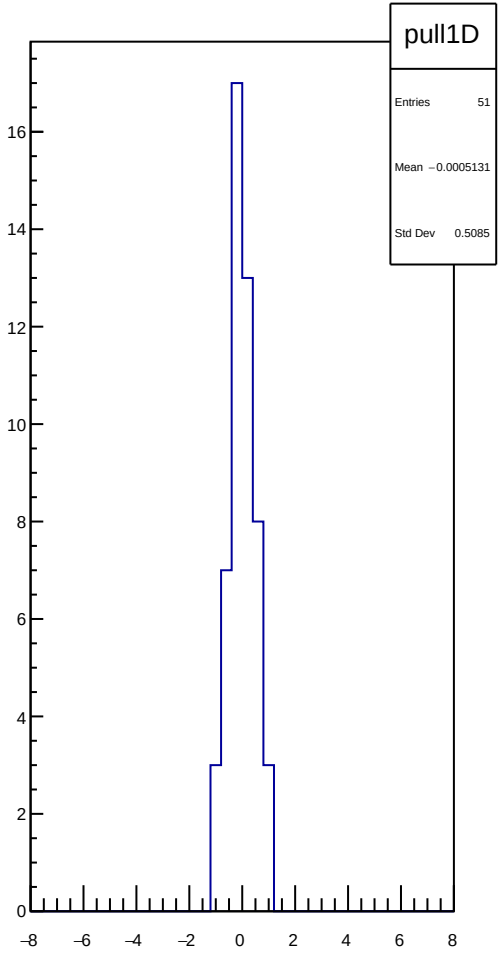

pull1D
Entries 51
Mean 0.0004887
Std Dev 0.9587

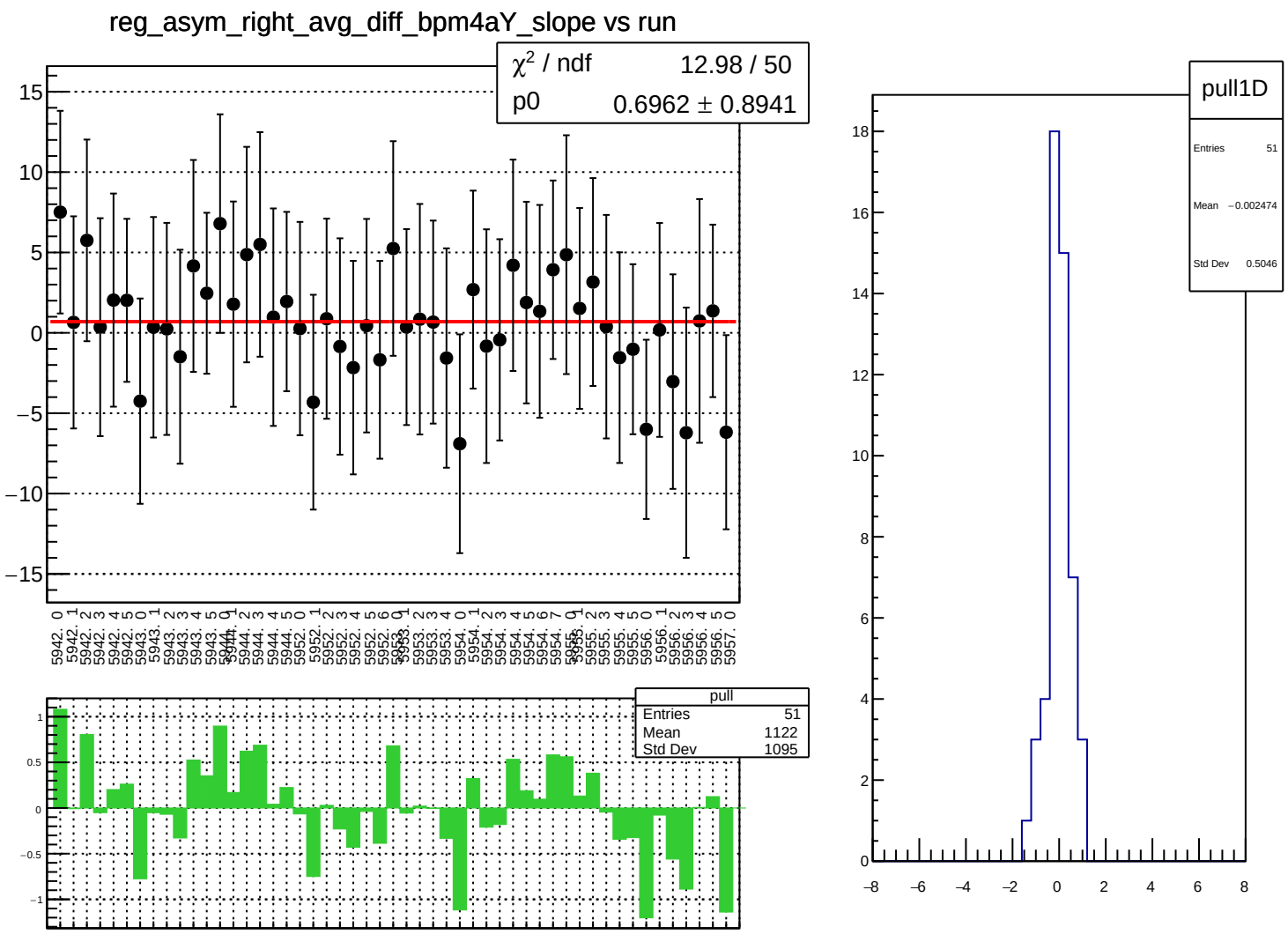

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 46.56 / 50
p0 7.274 ± 0.6833
pull
Entries 51
Mean 100.2
Std Dev 76.9

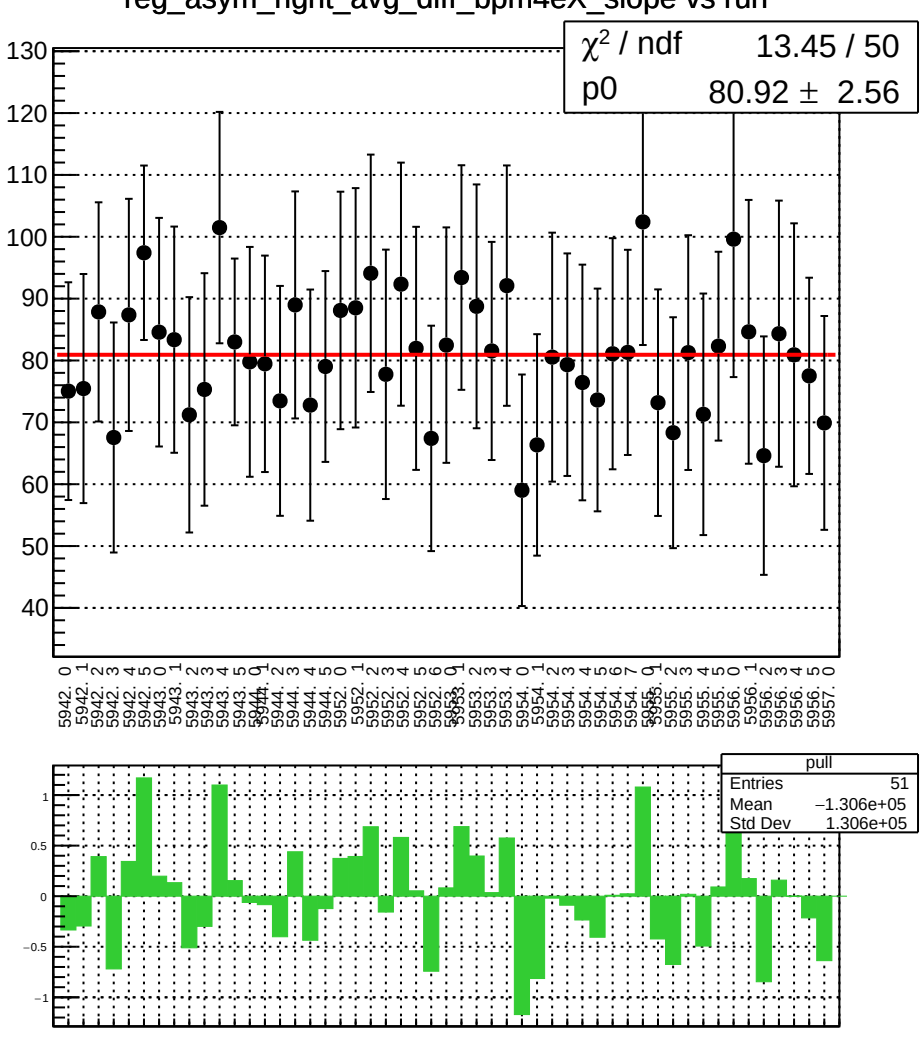

pull1D
Entries 51
Mean 0.004504
Std Dev 0.9555

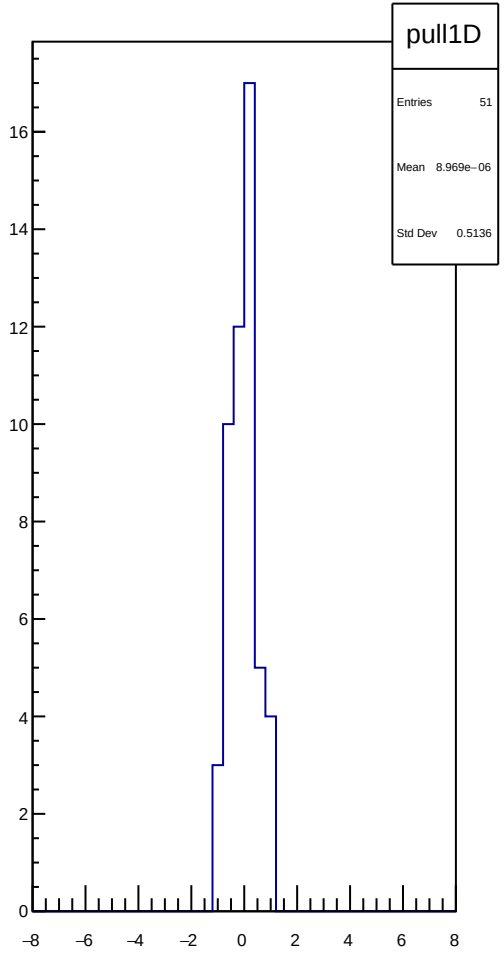

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 59.59 / 50
p0 −19.28 ± 0.06253
pull
Entries 51
Mean −67.21
Std Dev 102.5
pull1D
Entries 51
Mean −0.007726
Std Dev 1.081

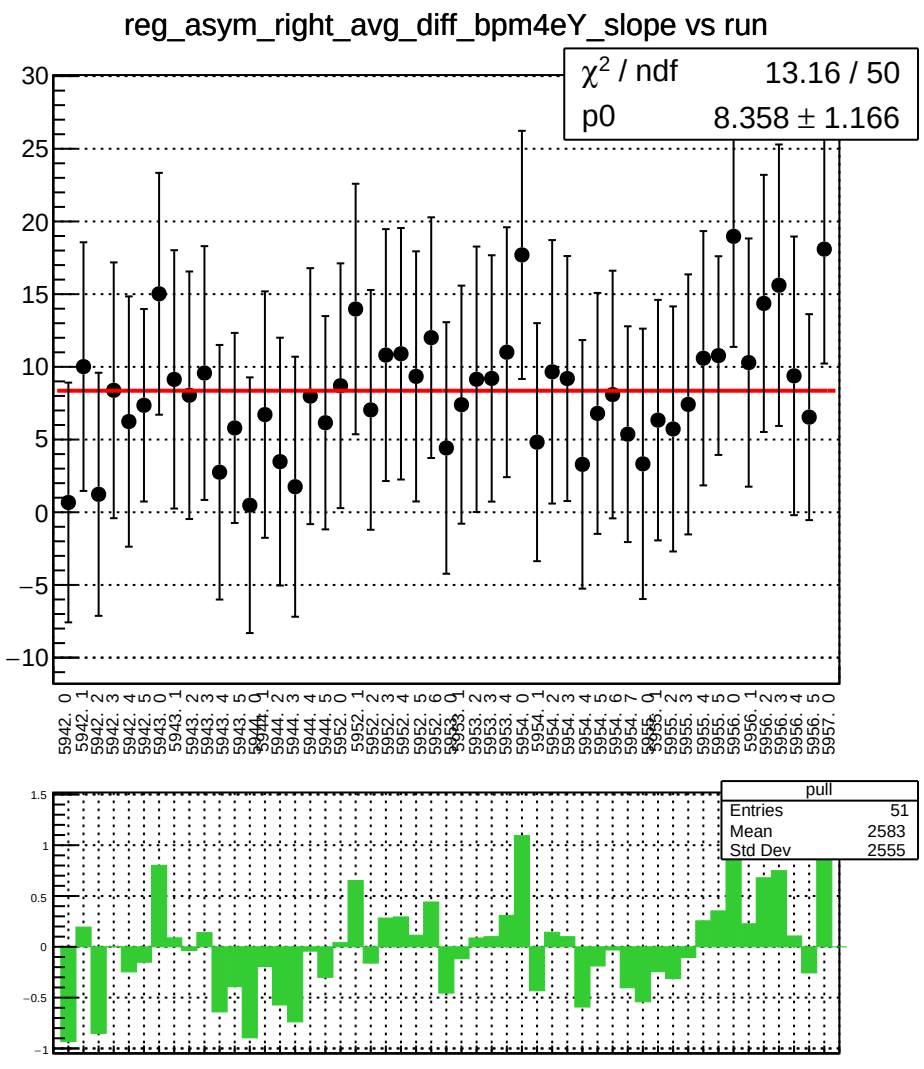

reg_asym_right_avg_diff_bpm4aX_slope vs run
χ² / ndf 13.19 / 50
p0 −45.01 ± 2.412
pull
Entries 51
Mean −2131
Std Dev 2161

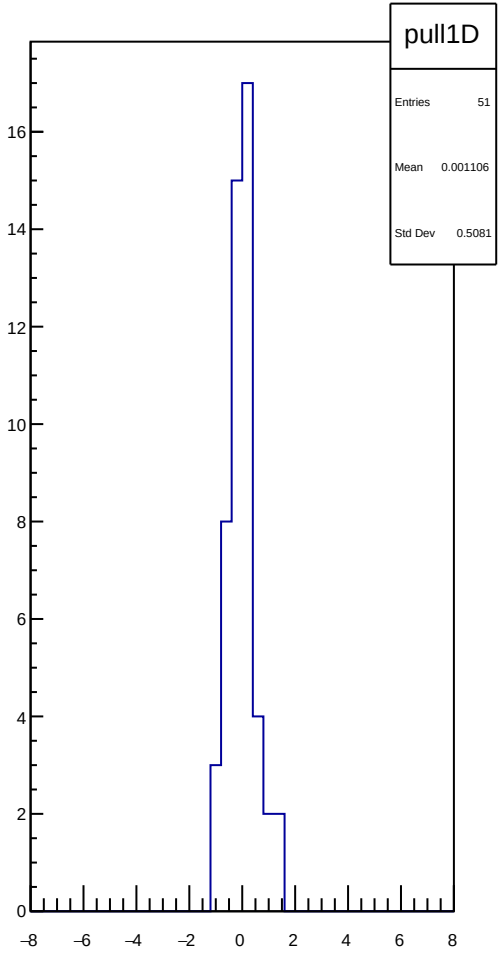

pull1D
Entries 51
Mean −0.0005131
Std Dev 0.5085

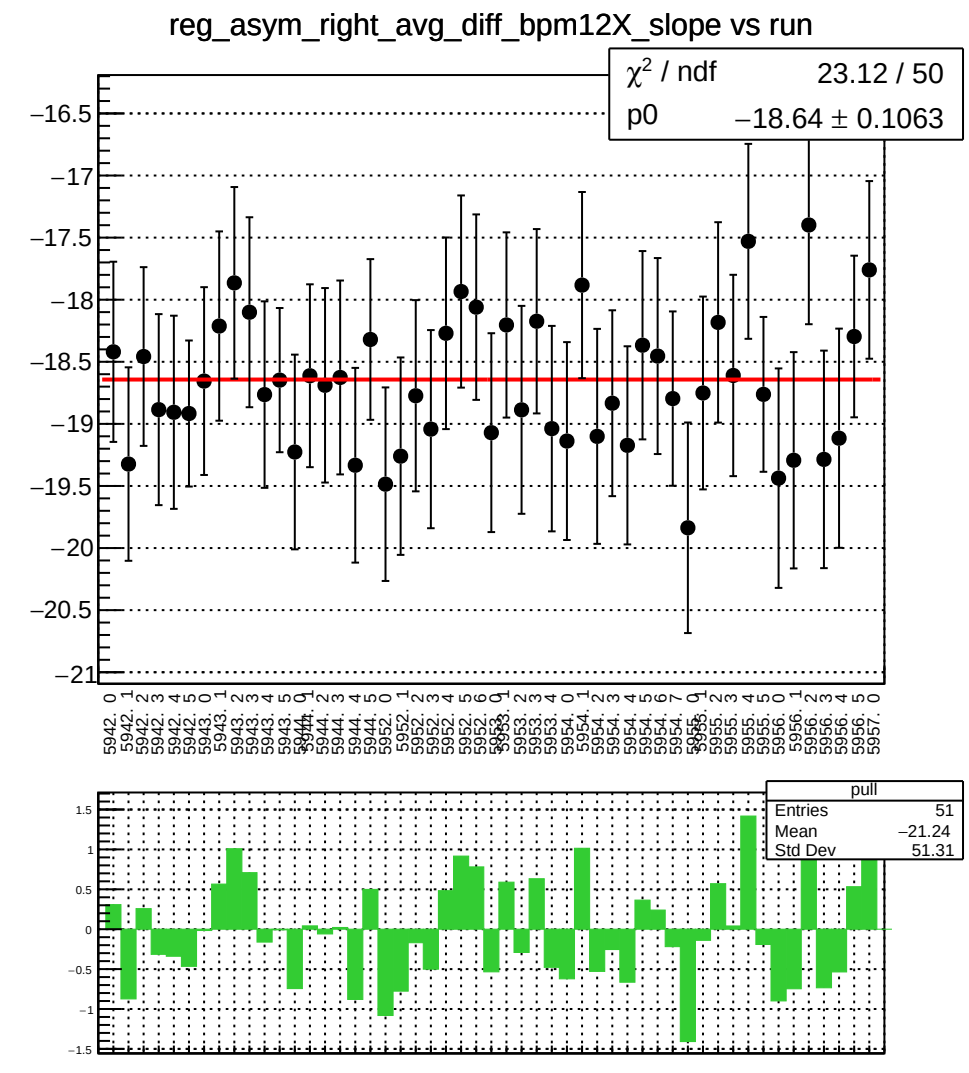

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.98 / 50
p0 0.6962 ± 0.8941
pull
Entries 51
Mean 1122
Std Dev 1095
pull1D
Entries 51
Mean −0.002474
Std Dev 0.5046

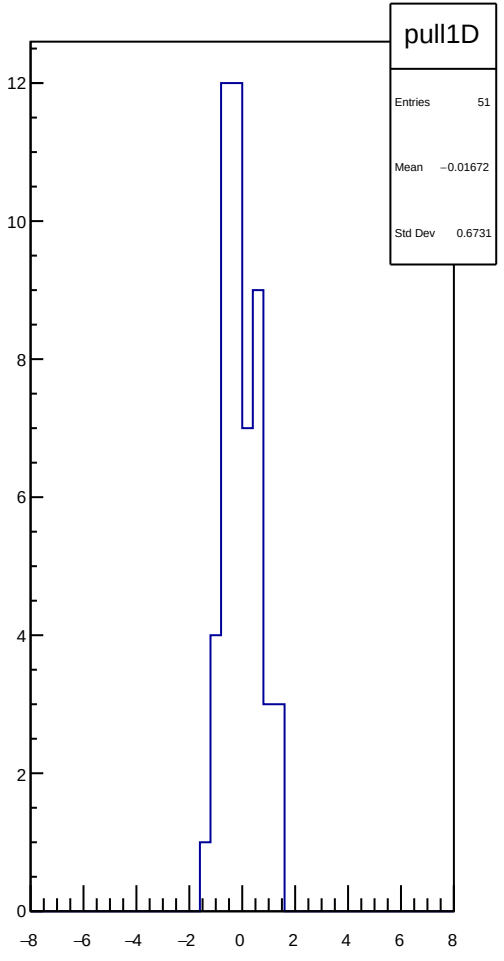

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 13.45 / 50
p0 80.92 ± 2.56
pull
Entries 51
Mean −1.306e+05
Std Dev 1.306e+05

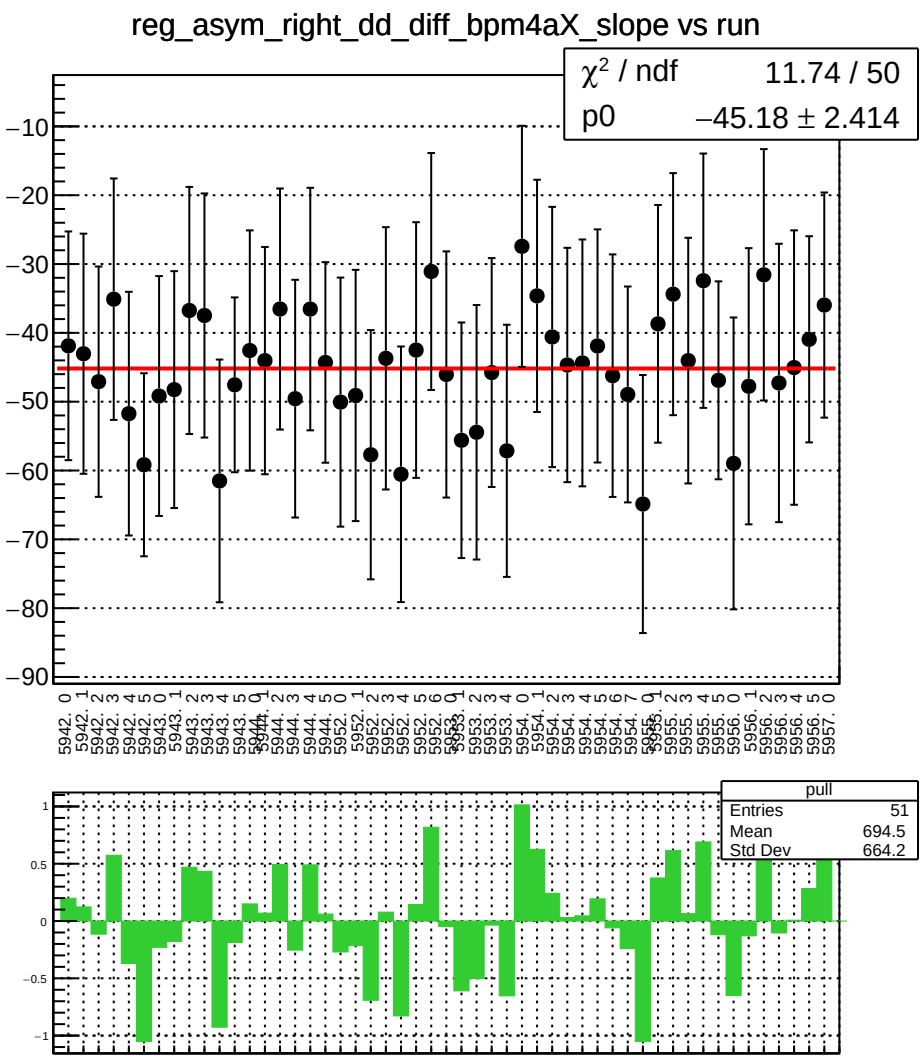

pull1D
Entries 51
Mean 8.969e−06
Std Dev 0.5136

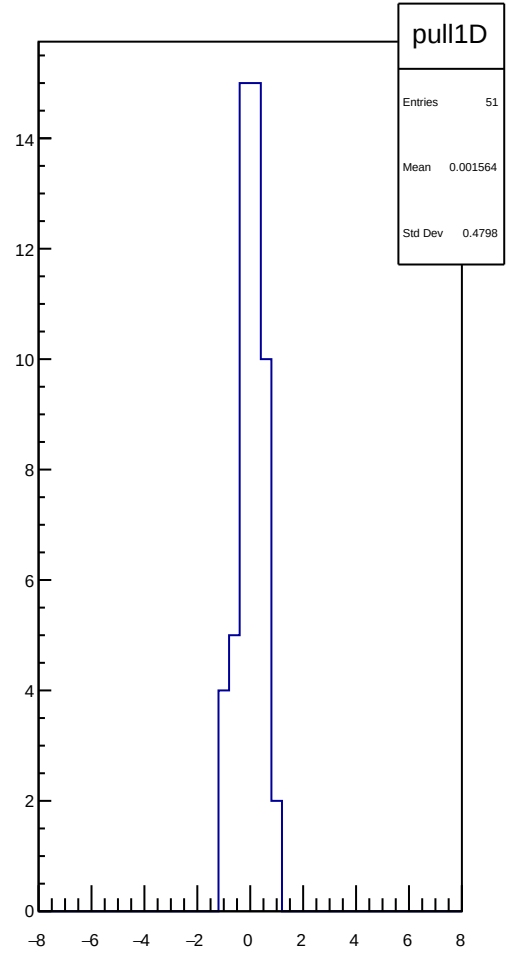

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.16 / 50
p0 8.358 ± 1.166
pull
Entries 51
Mean 2583
Std Dev 2555

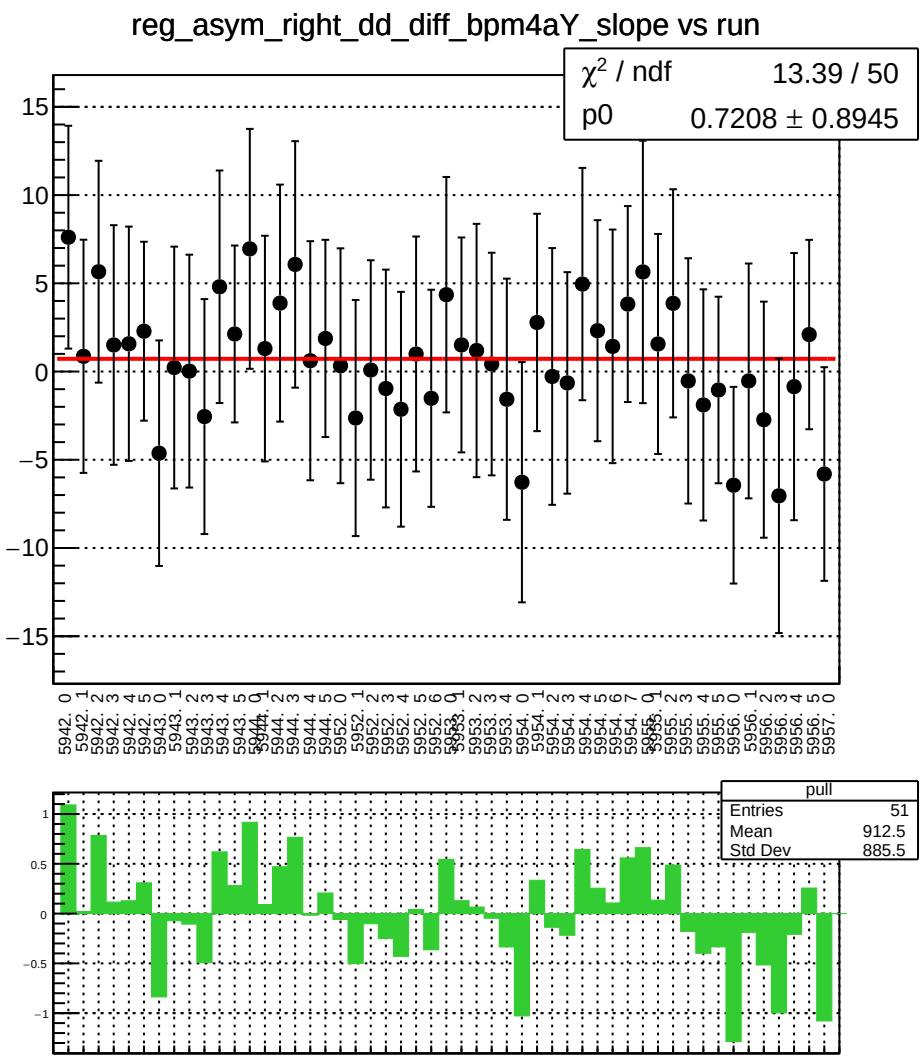

pull1D
Entries 51
Mean 0.001106
Std Dev 0.5081

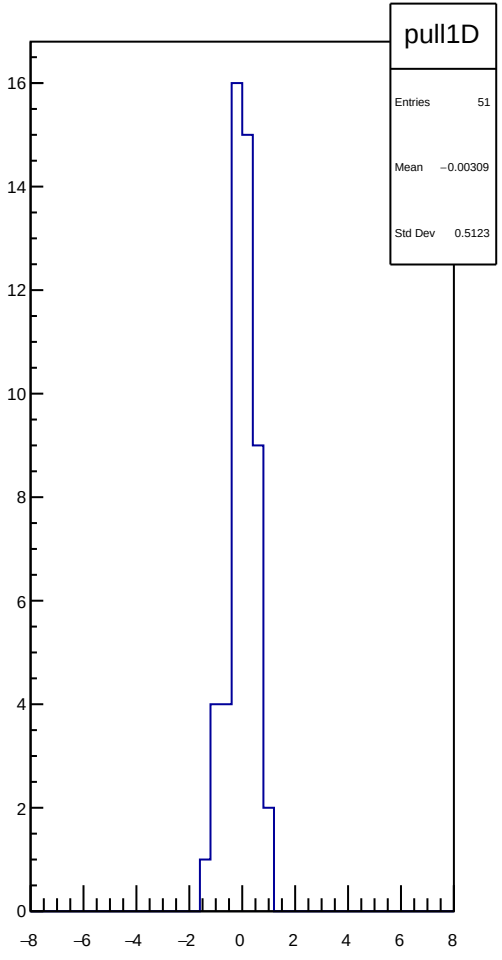

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 23.12 / 50
p0 −18.64 ± 0.1063
pull
Entries 51
Mean −21.24
Std Dev 51.31

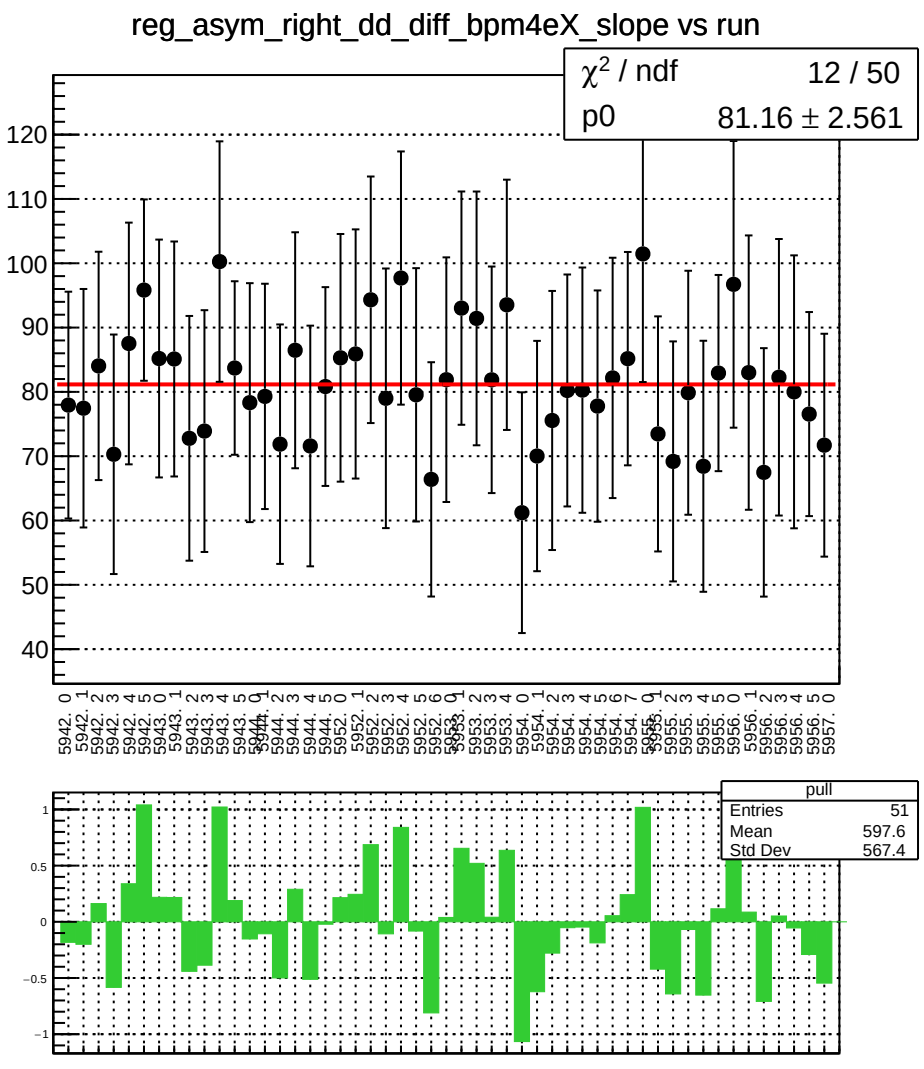

pull1D
Entries 51
Mean −0.01672
Std Dev 0.6731

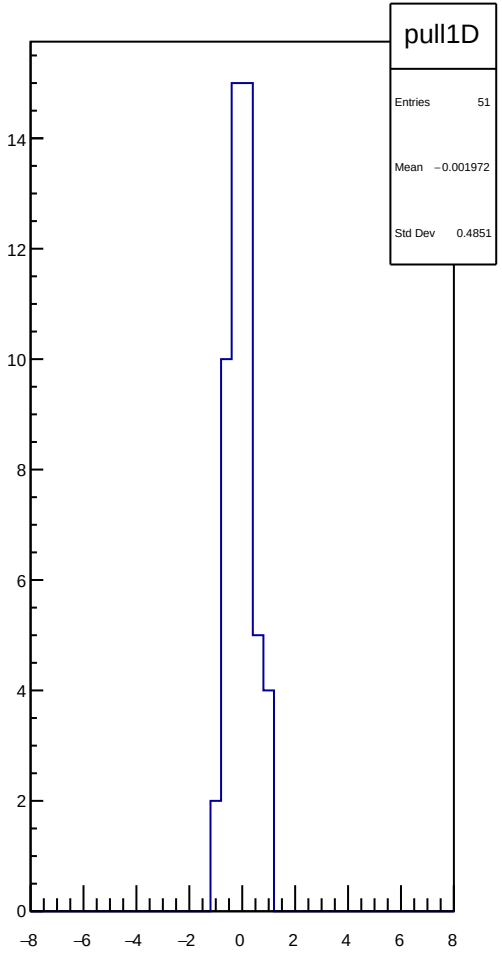

reg_asym_right_dd_diff_bpm4aX_slope vs run
χ² / ndf 11.74 / 50
p0 −45.18 ± 2.414
pull
Entries 51
Mean 694.5
Std Dev 664.2

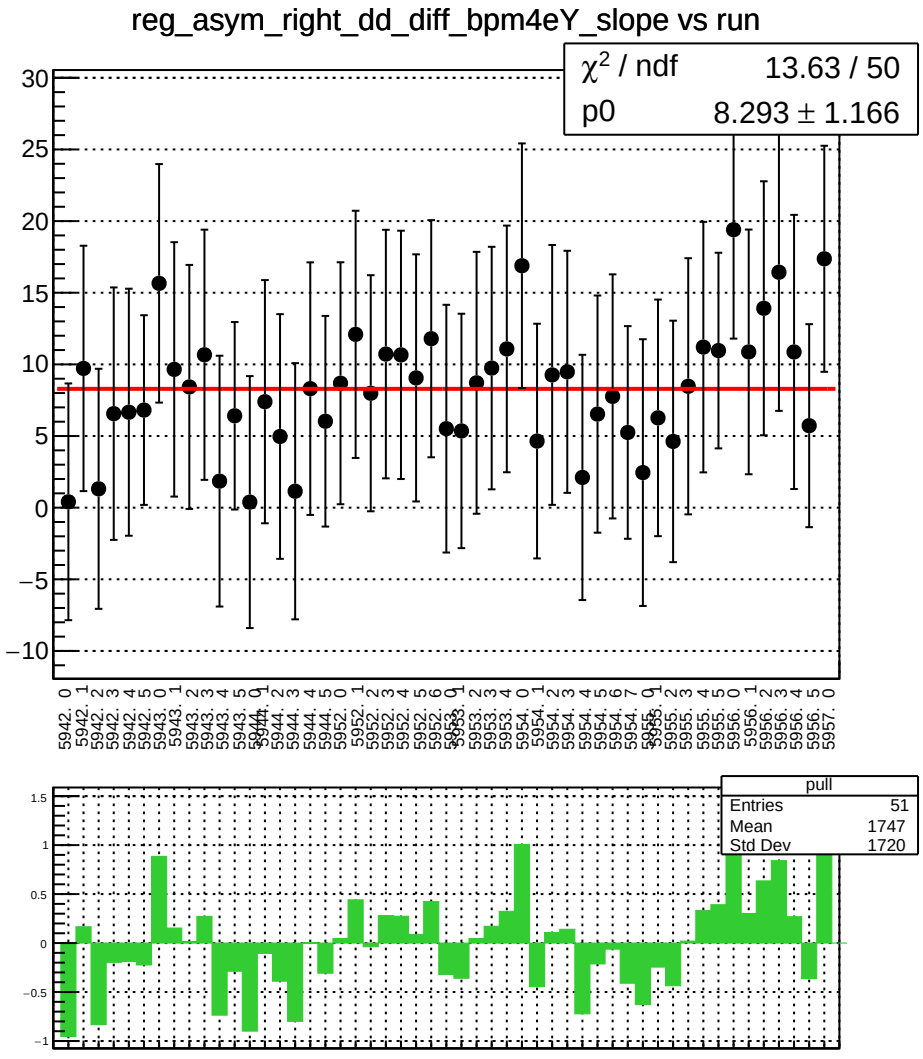

pull1D
Entries 51
Mean 0.001564
Std Dev 0.4798

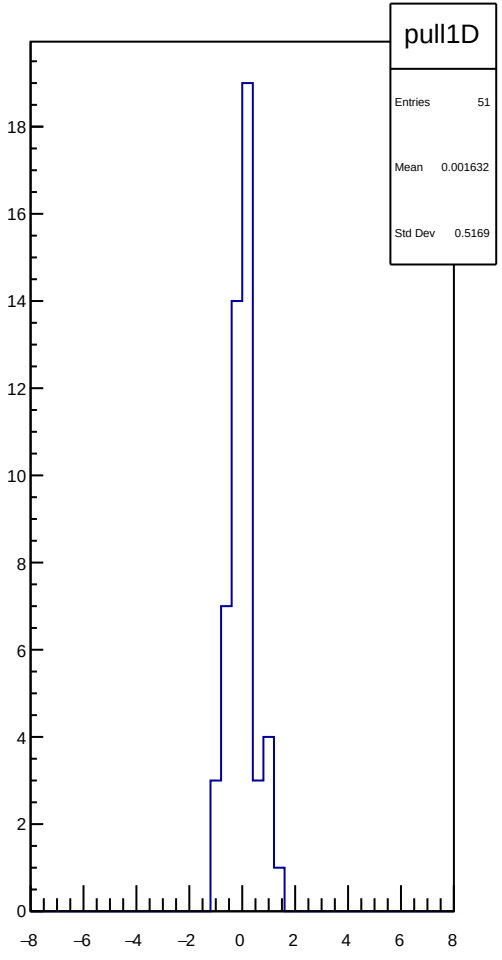

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.39 / 50
p0 0.7208 ± 0.8945
pull
Entries 51
Mean 912.5
Std Dev 885.5

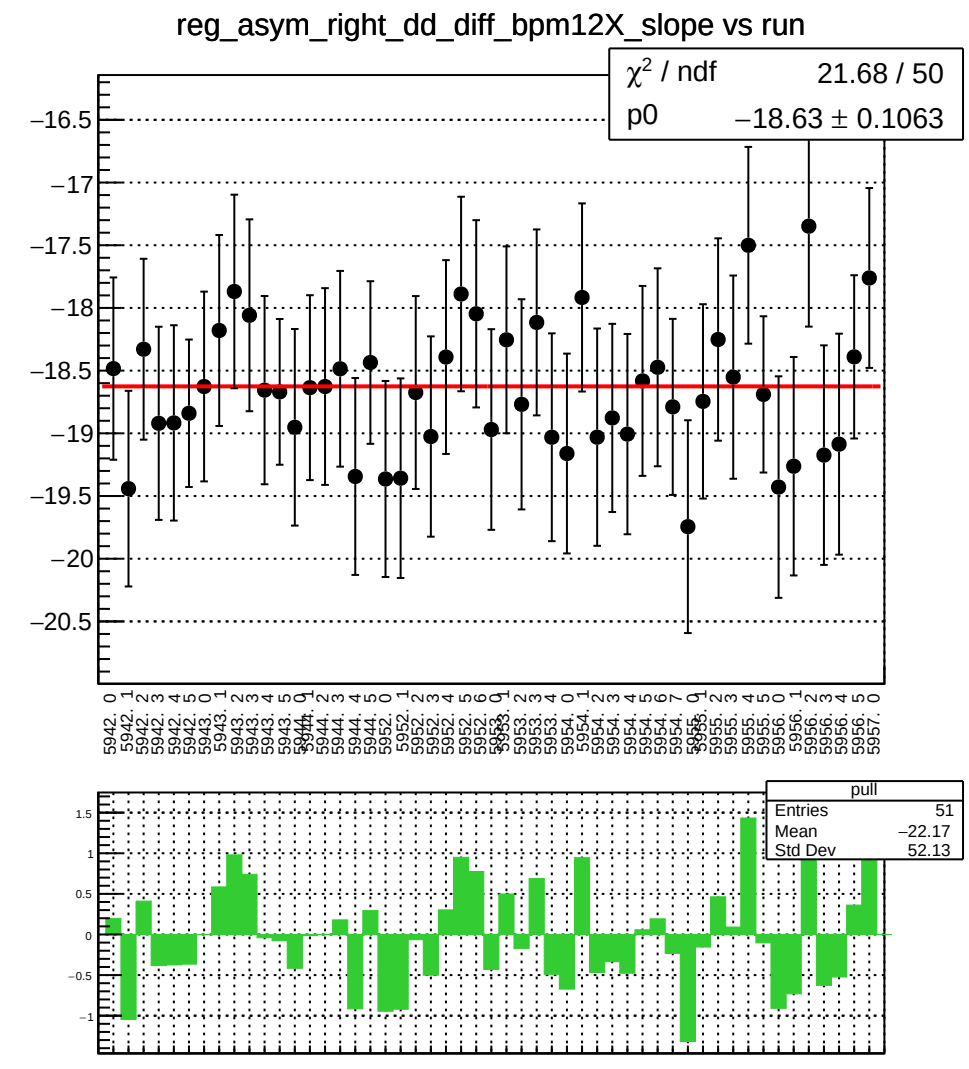

pull1D
Entries 51
Mean −0.00309
Std Dev 0.5123

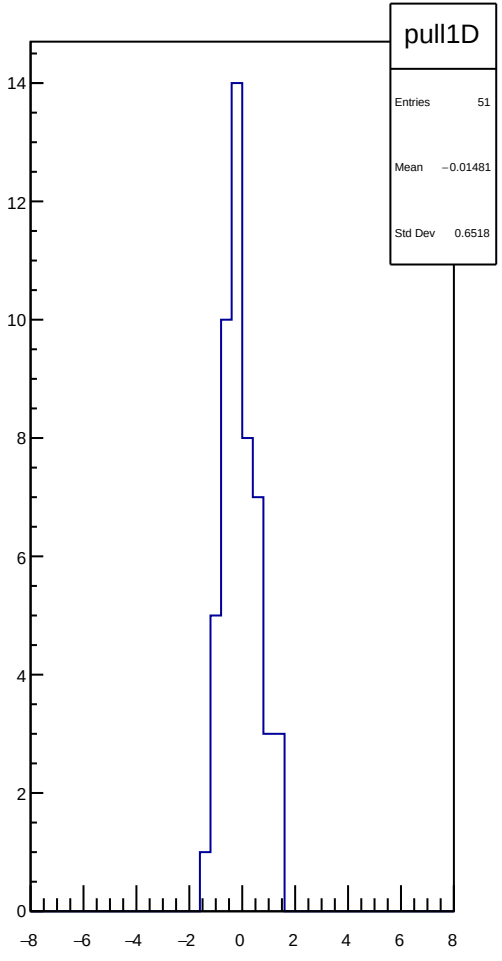

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 12 / 50
p0 81.16 ± 2.561
pull
Entries 51
Mean 597.6
Std Dev 567.4

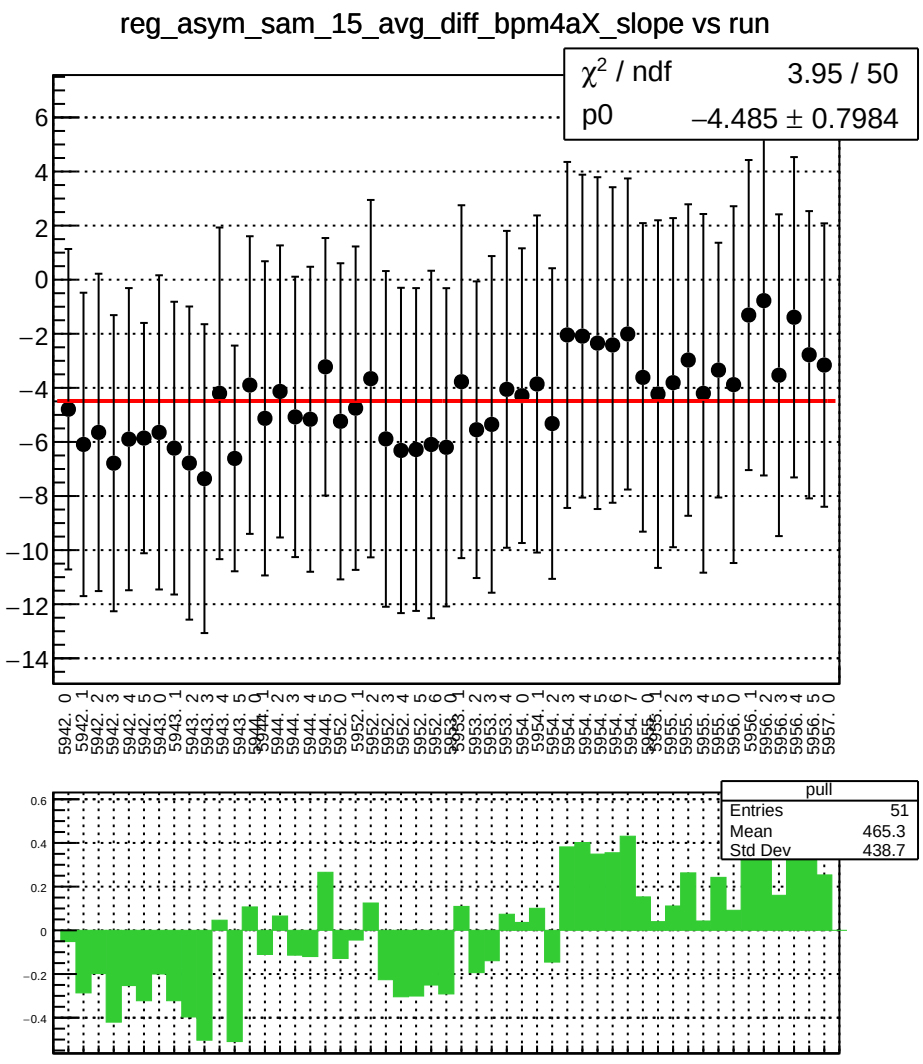

pull1D
Entries 51
Mean −0.001972
Std Dev 0.4851

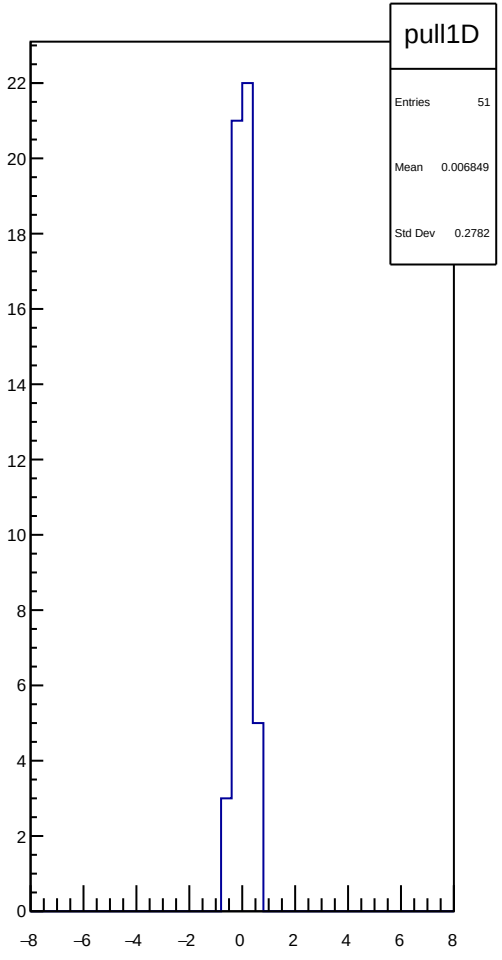

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 13.63 / 50
p0 8.293 ± 1.166
pull
Entries 51
Mean 1747
Std Dev 1720

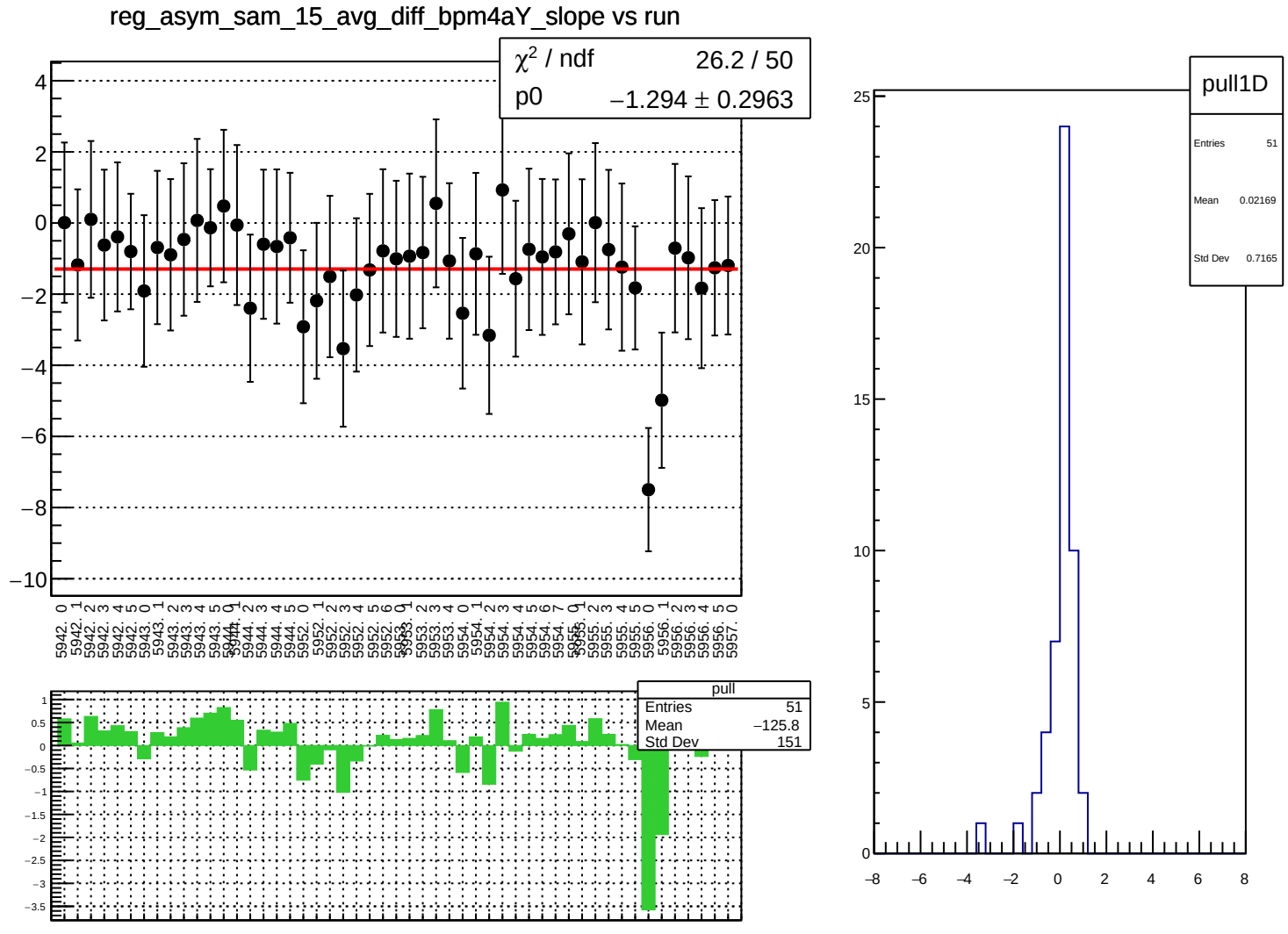

pull1D
Entries 51
Mean 0.001632
Std Dev 0.5169

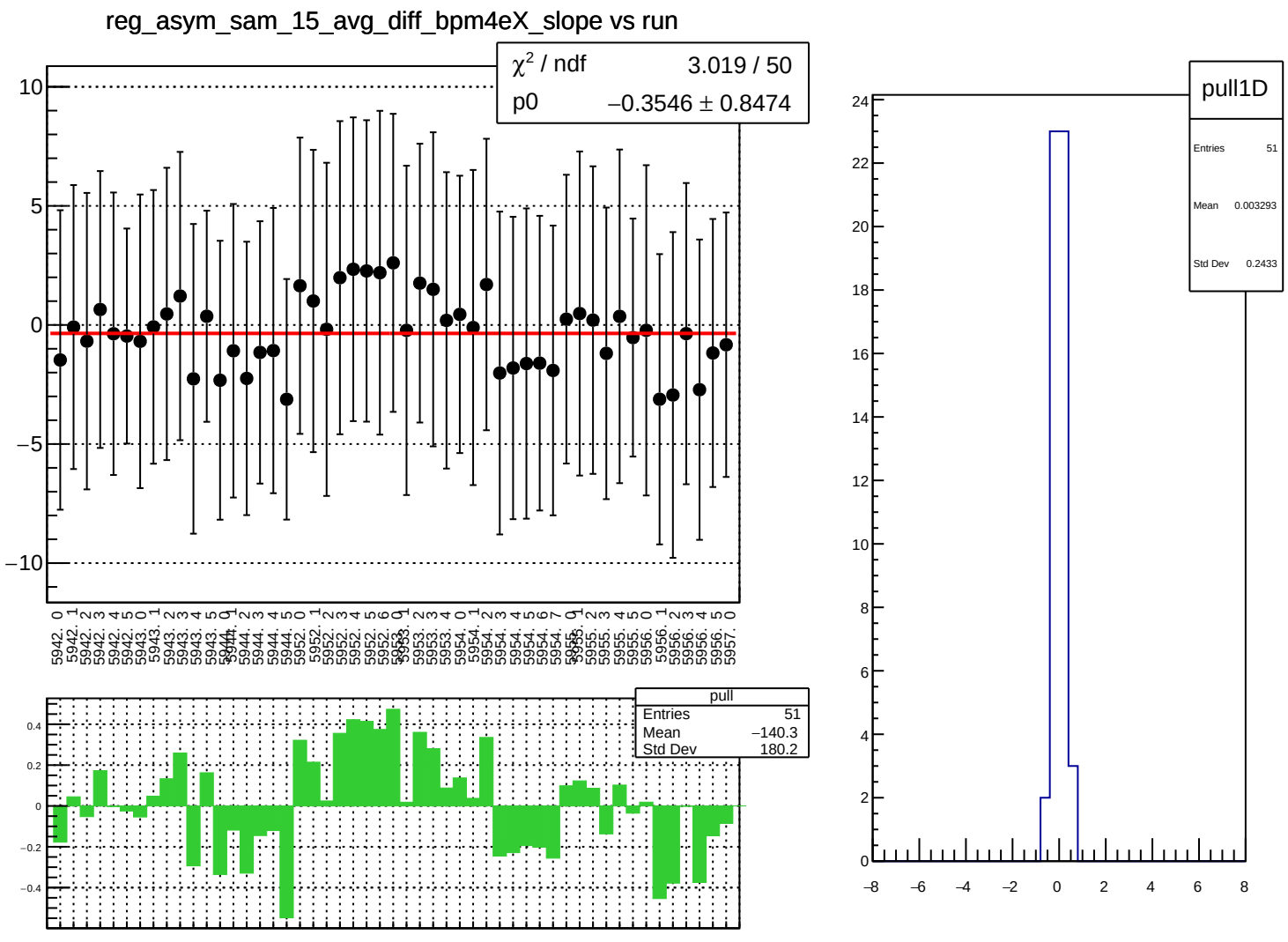

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 21.68 / 50
p0 −18.63 ± 0.1063
pull
Entries 51
Mean −22.17
Std Dev 52.13

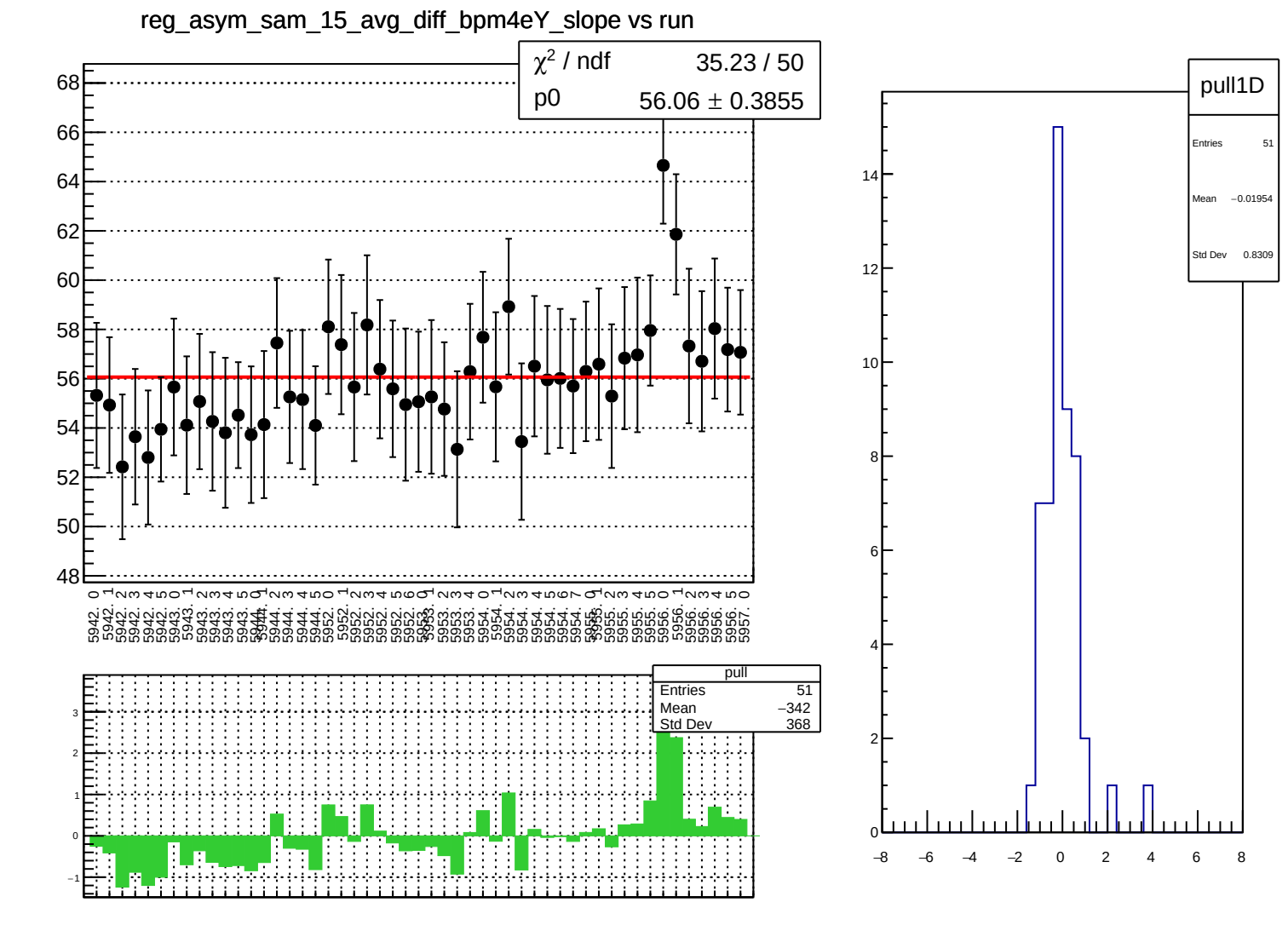

pull1D
Entries 51
Mean −0.01481
Std Dev 0.6518

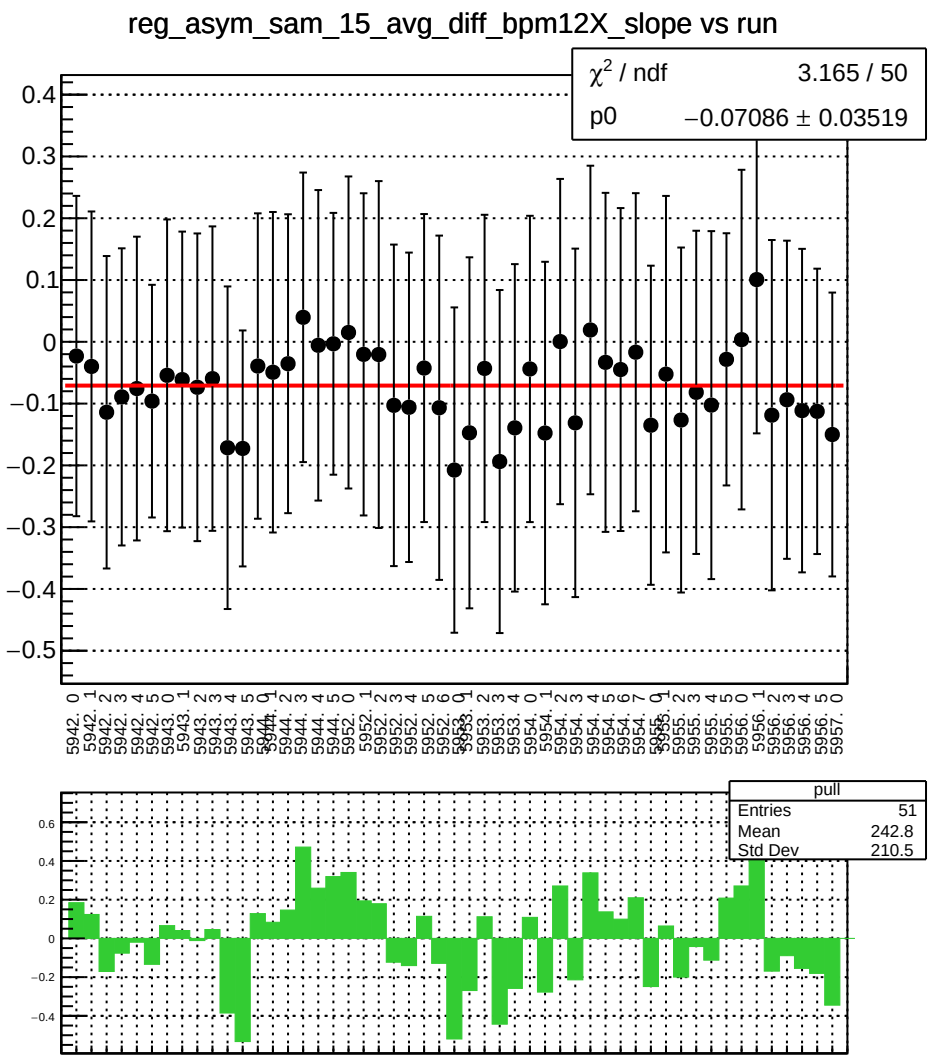

reg_asym_sam_15_avg_diff_bpm4aX_slope vs run
χ² / ndf 3.95 / 50
p0 −4.485 ± 0.7984
pull
Entries 51
Mean 465.3
Std Dev 438.7

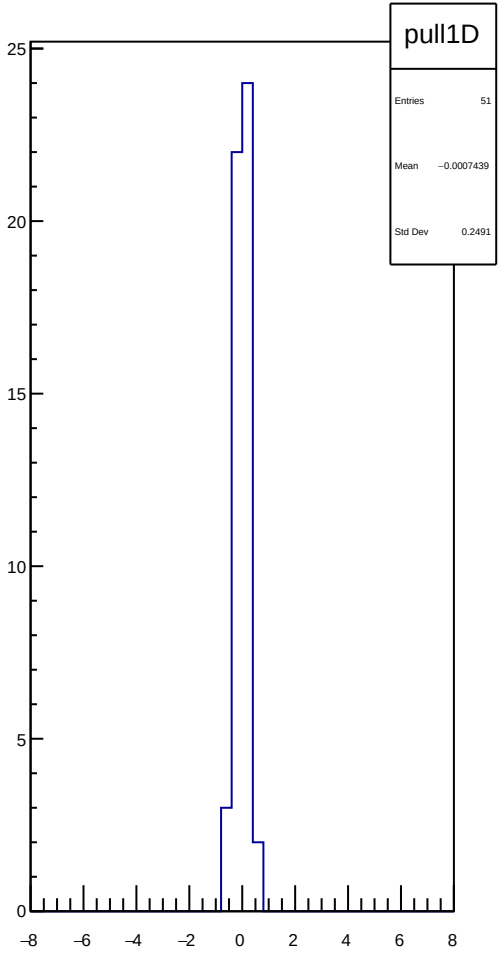

pull1D
Entries 51
Mean 0.006849
Std Dev 0.2782

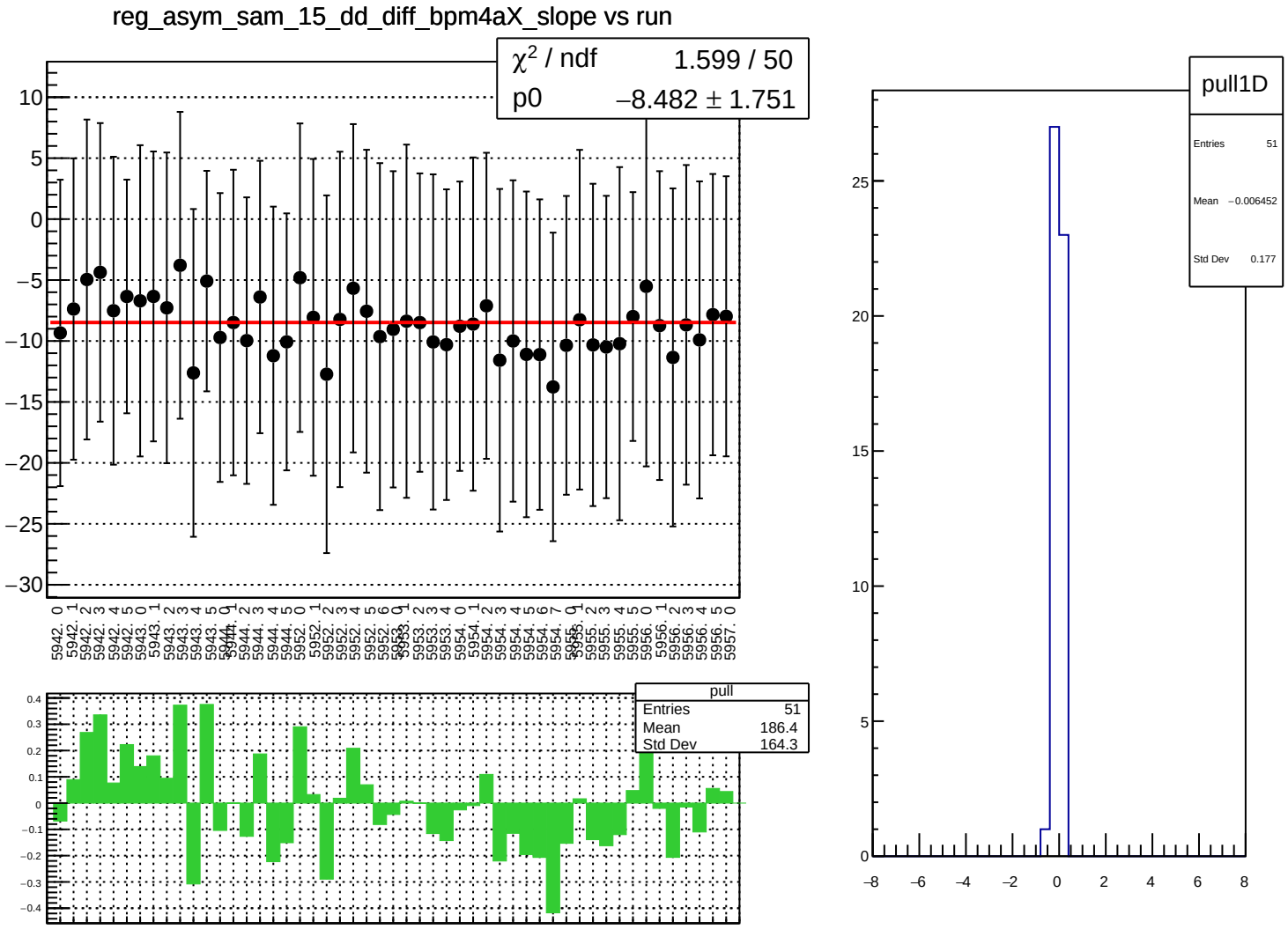

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 26.2 / 50
p0 −1.294 ± 0.2963
pull
Entries 51
Mean −125.8
Std Dev 151
pull1D
Entries 51
Mean 0.02169
Std Dev 0.7165

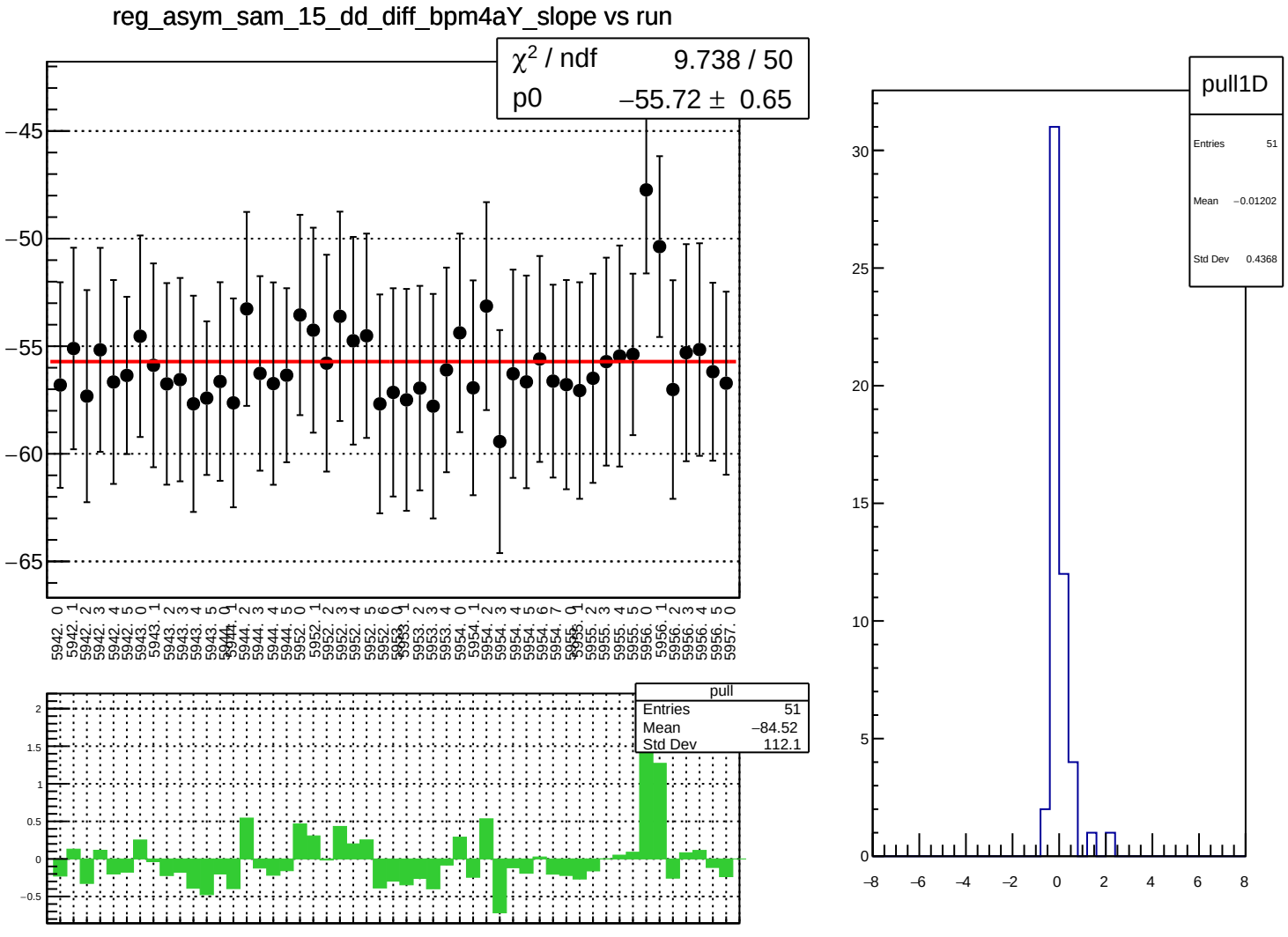

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.019 / 50
p0 −0.3546 ± 0.8474
pull
Entries 51
Mean −140.3
Std Dev 180.2
pull1D
Entries 51
Mean 0.003293
Std Dev 0.2433

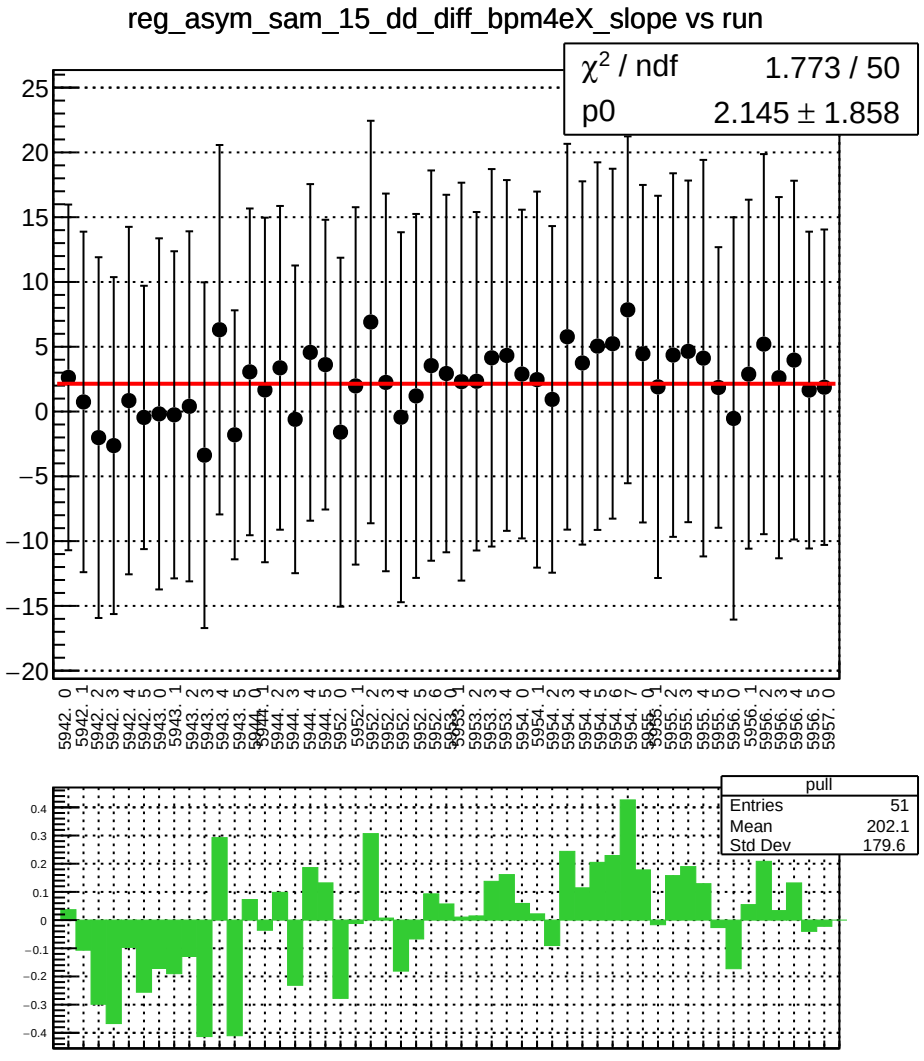

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 35.23 / 50
p0 56.06 ± 0.3855
pull
Entries 51
Mean −342
Std Dev 368
pull1D
Entries 51
Mean −0.01954
Std Dev 0.8309

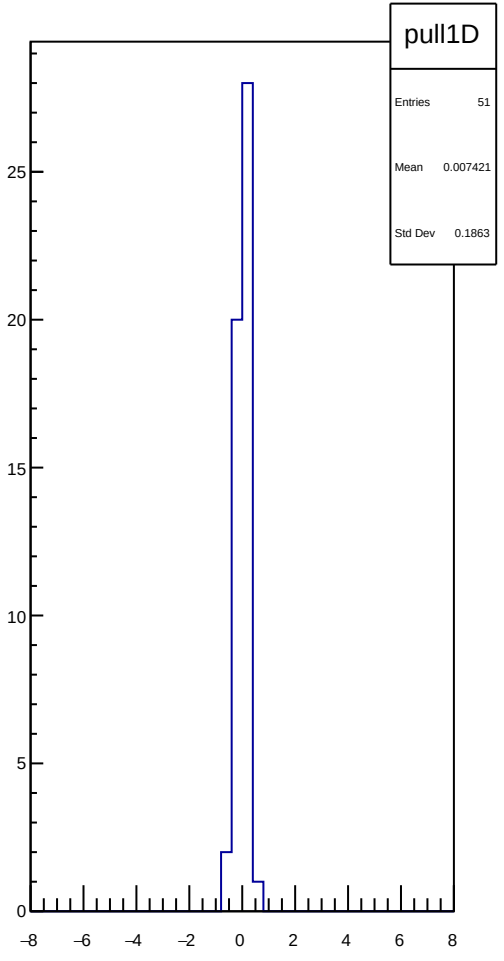

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 3.165 / 50
p0 −0.07086 ± 0.03519
pull
Entries 51
Mean 242.8
Std Dev 210.5

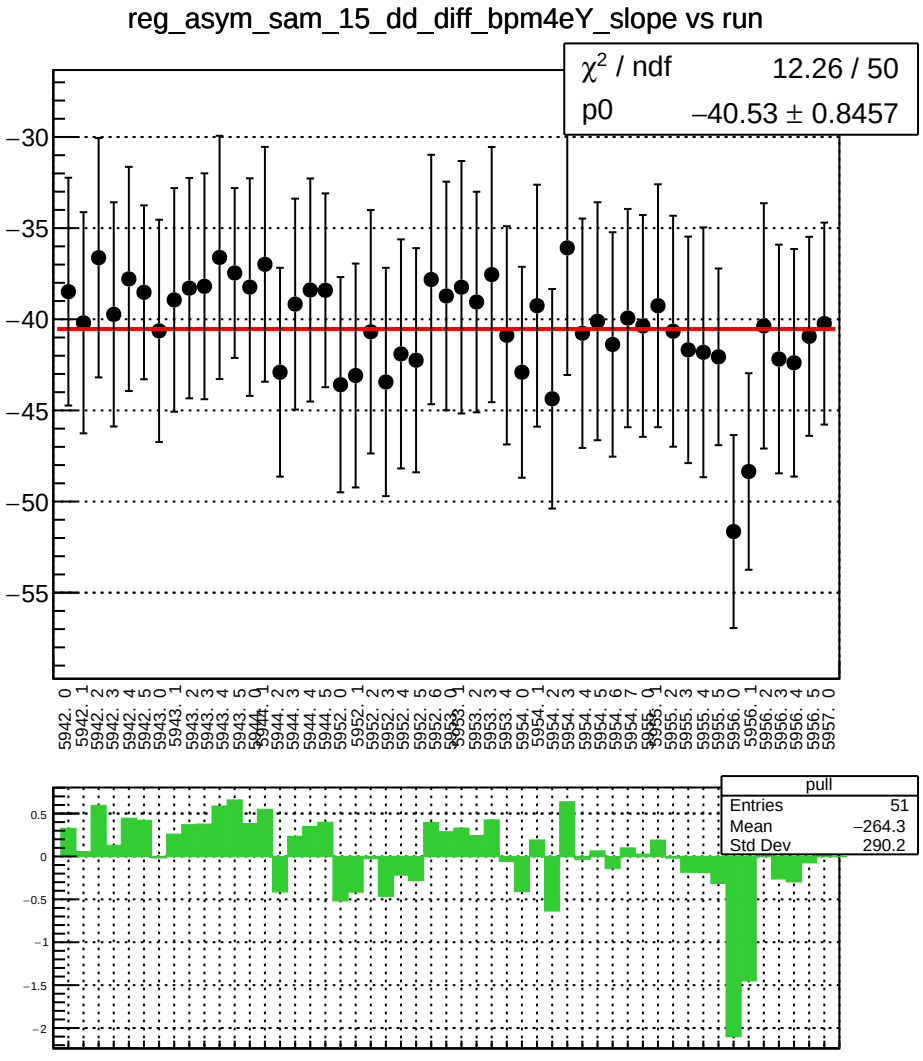

pull1D
Entries 51
Mean −0.0007439
Std Dev 0.2491

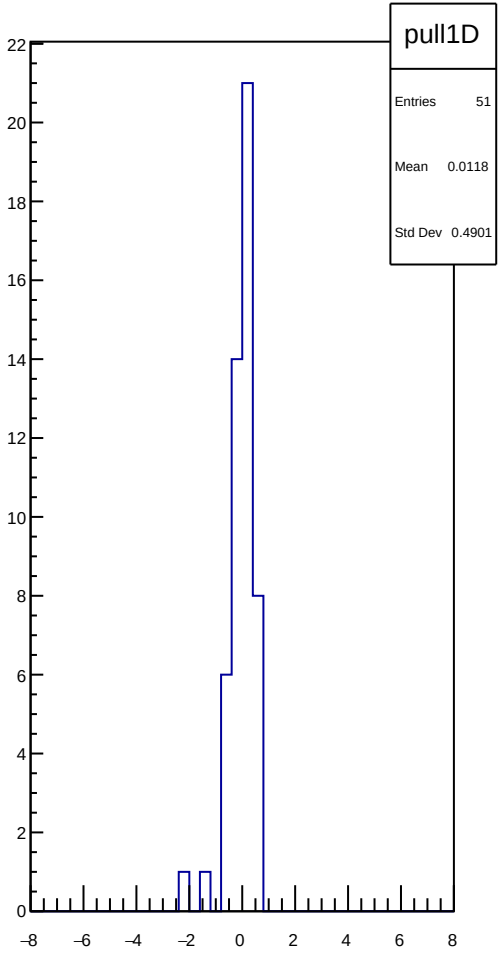

reg_asym_sam_15_dd_diff_bpm4aX_slope vs run
χ² / ndf 1.599 / 50
p0 −8.482 ± 1.751
pull
Entries 51
Mean 186.4
Std Dev 164.3
pull1D
Entries 51
Mean −0.006452
Std Dev 0.177

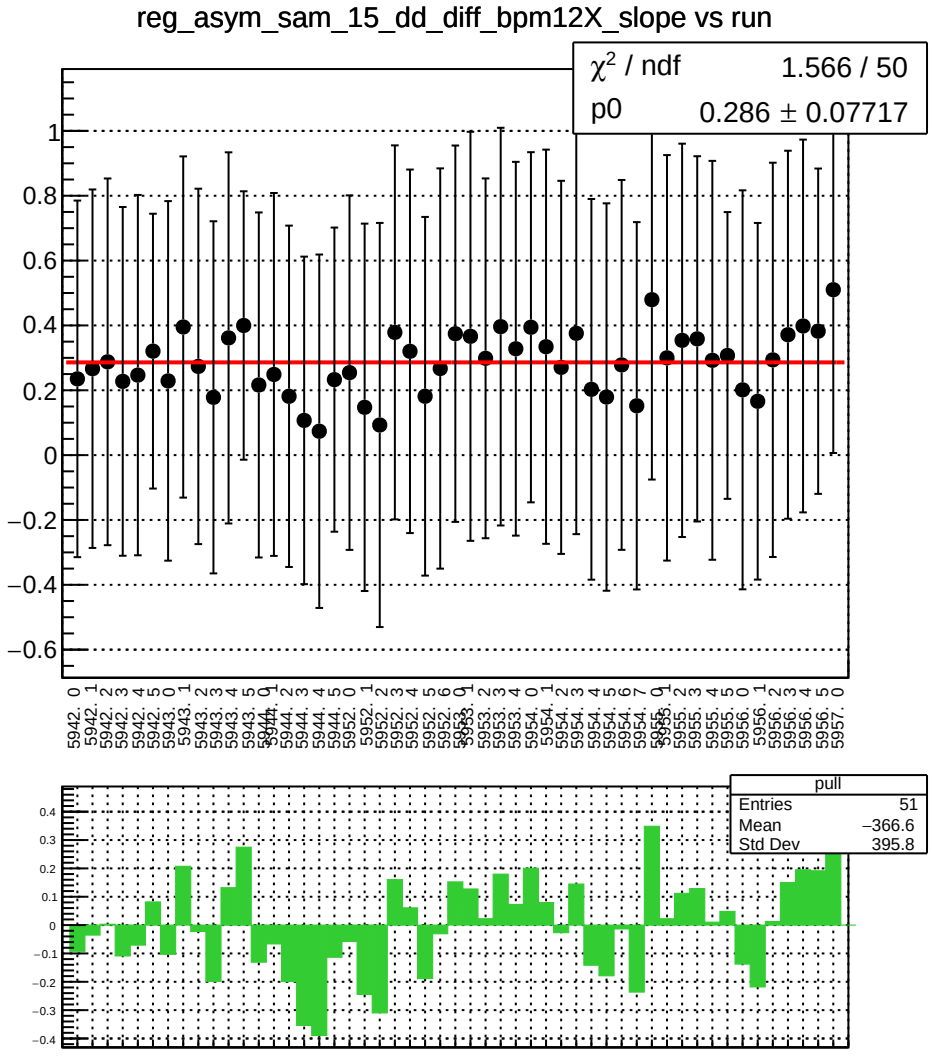

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.738 / 50
p0 −55.72 ± 0.65
−45
−50
−55
−60
−65
pull
Entries 51
Mean −84.52
Std Dev 112.1
2
1.5
1
0.5
0
−0.5
pull1D
Entries 51
Mean −0.01202
Std Dev 0.4368
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

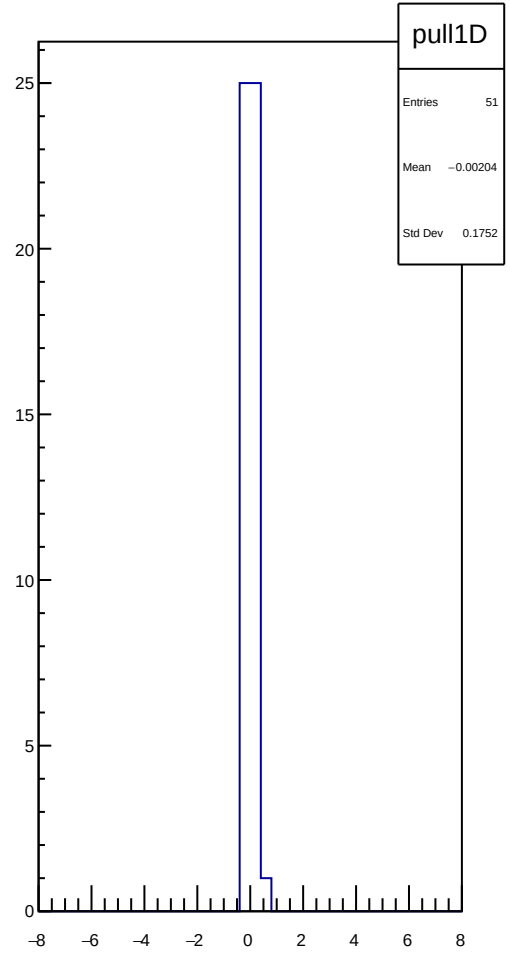

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.773 / 50
p0 2.145 ± 1.858
pull
Entries 51
Mean 202.1
Std Dev 179.6

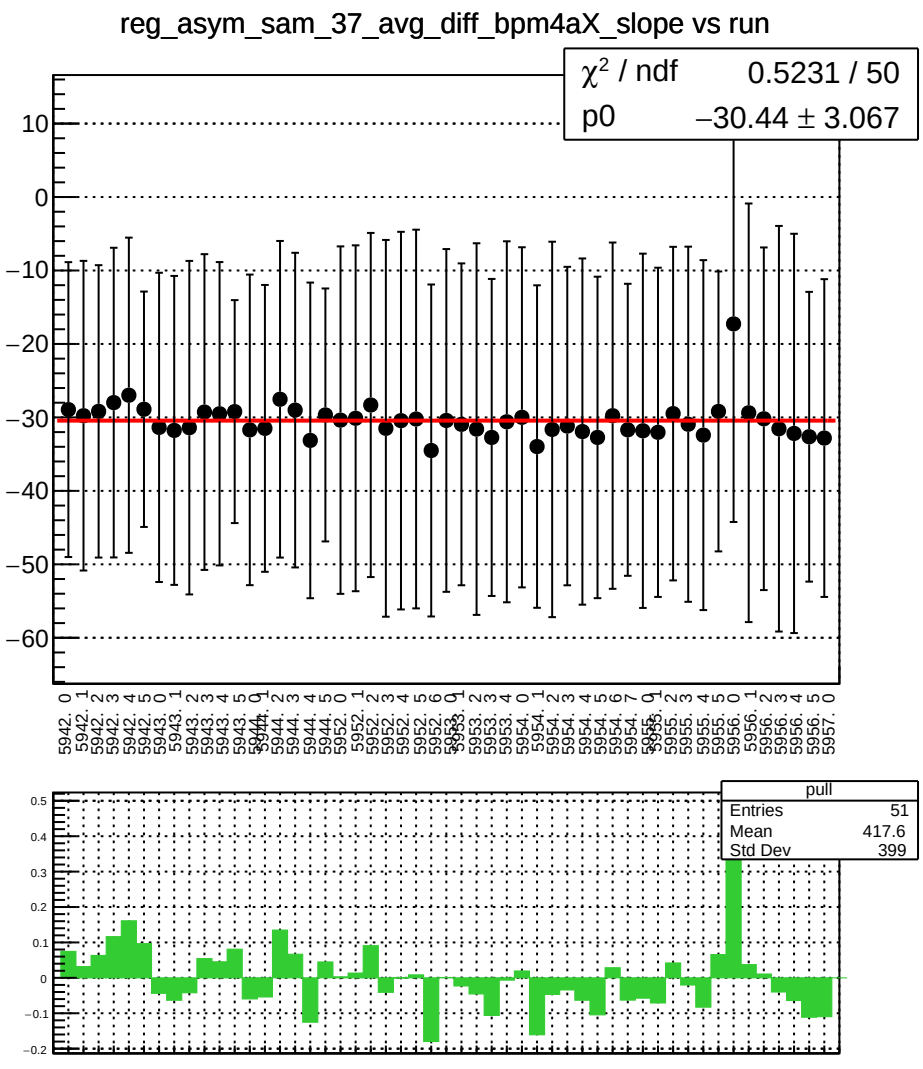

pull1D
Entries 51
Mean 0.007421
Std Dev 0.1863

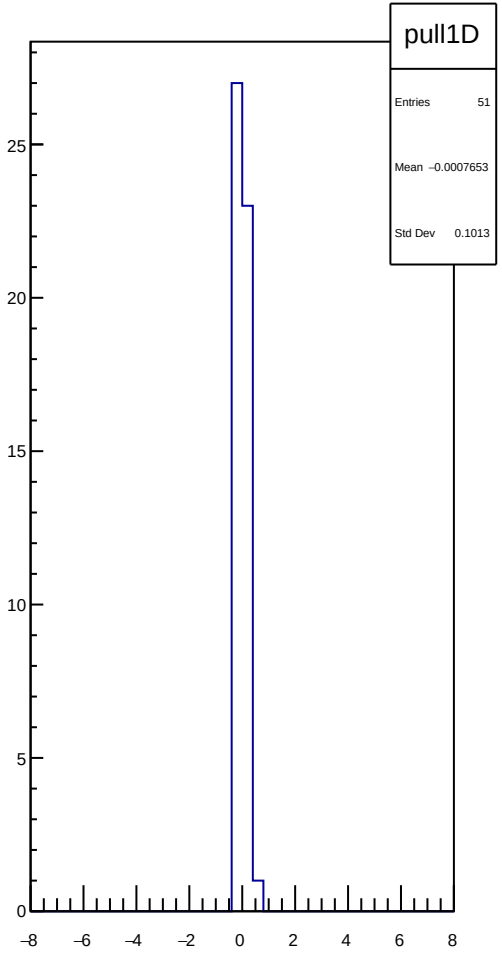

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.26 / 50
p0 −40.53 ± 0.8457
pull
Entries 51
Mean −264.3
Std Dev 290.2

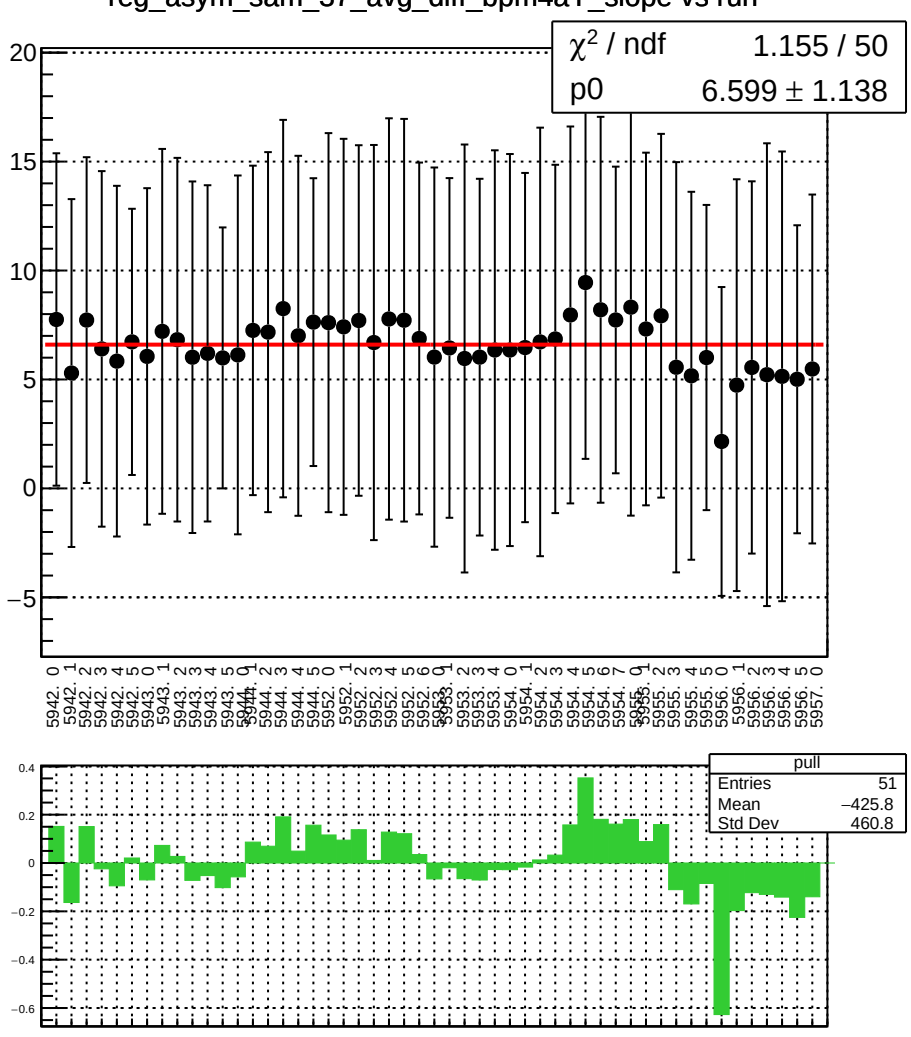

pull1D
Entries 51
Mean 0.0118
Std Dev 0.4901

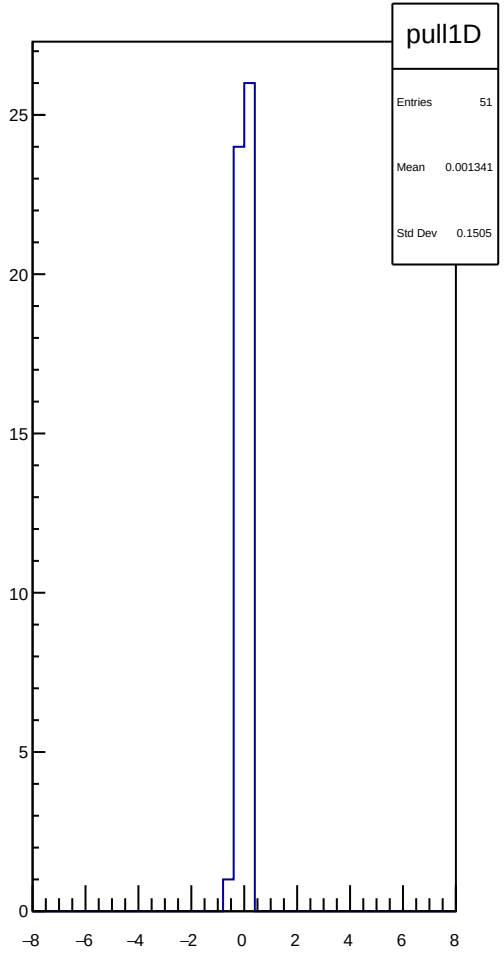

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 1.566 / 50
p0 0.286 ± 0.07717
pull
Entries 51
Mean −366.6
Std Dev 395.8

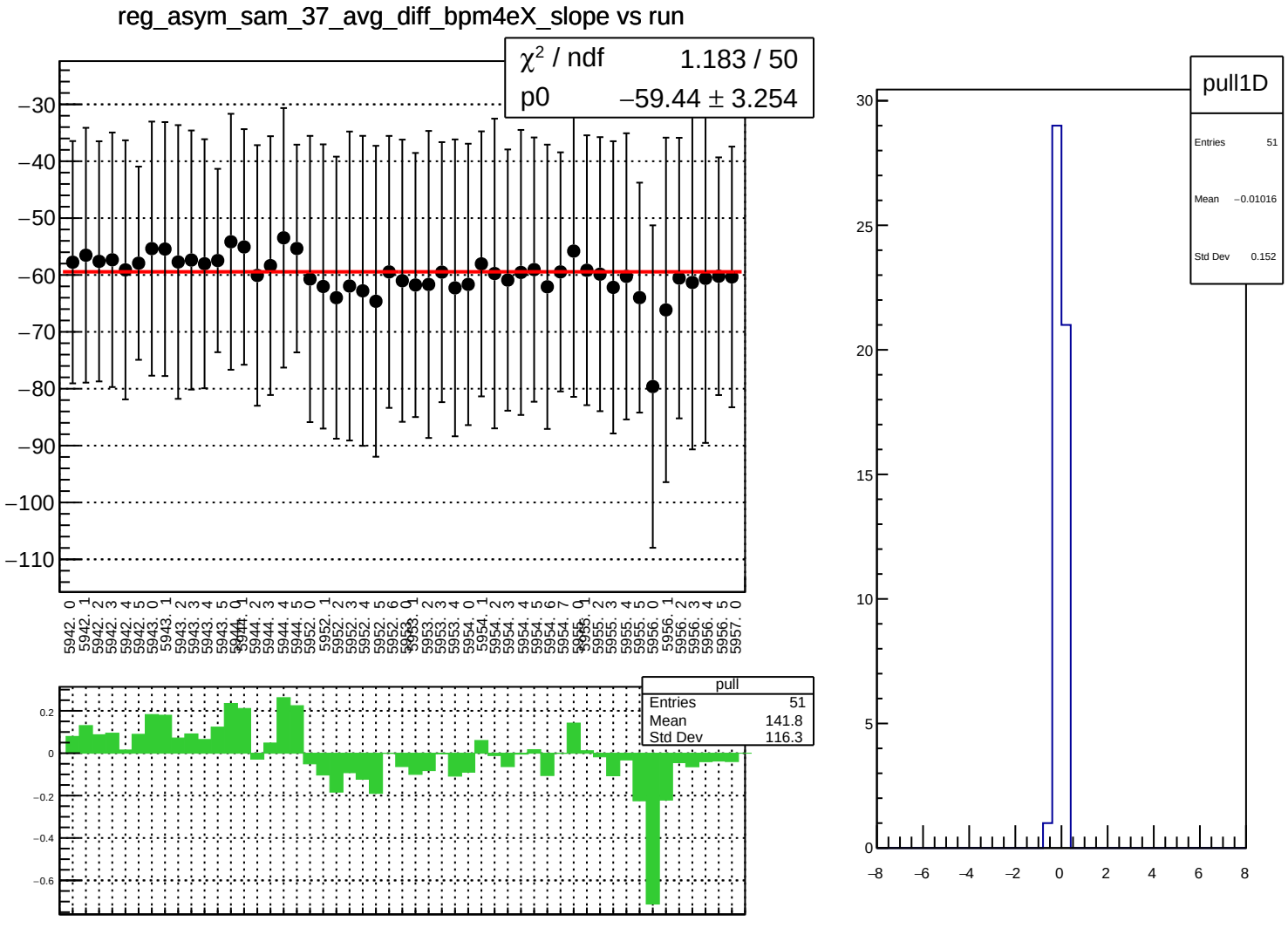

pull1D
Entries 51
Mean −0.00204
Std Dev 0.1752

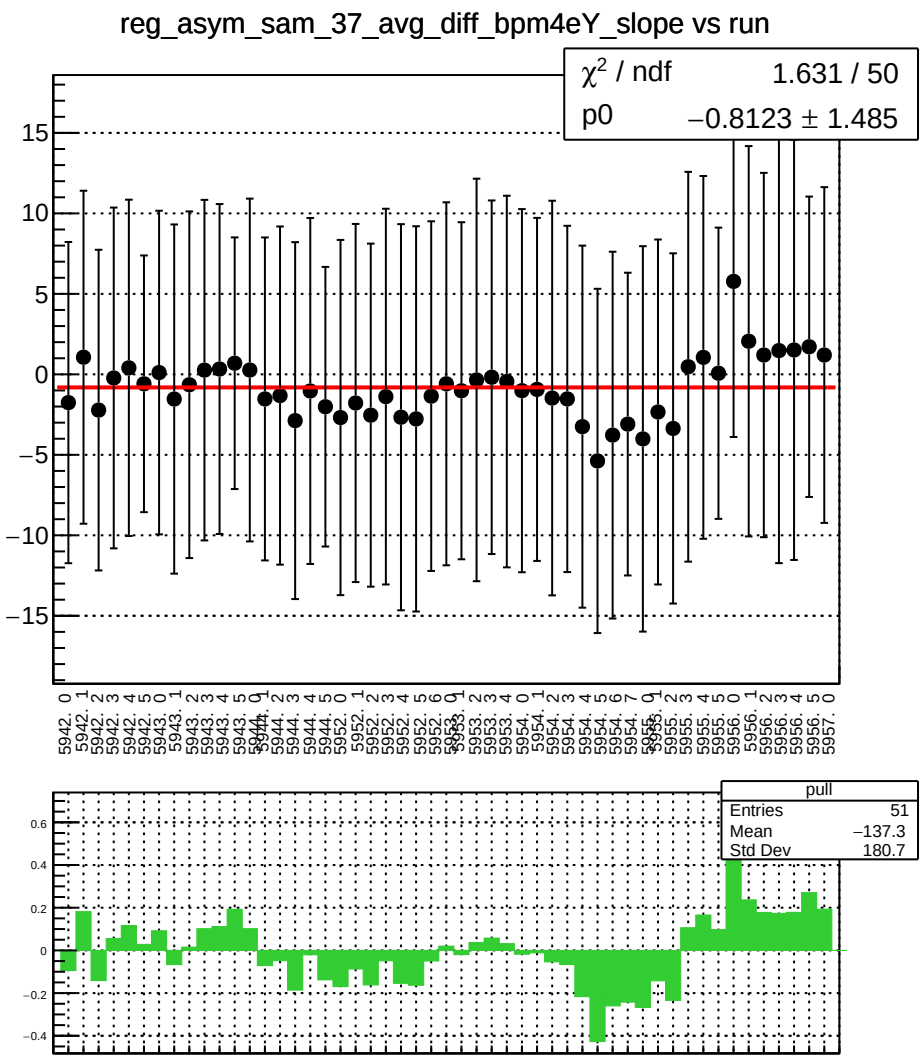

reg_asym_sam_37_avg_diff_bpm4aX_slope vs run
χ² / ndf 0.5231 / 50
p0 −30.44 ± 3.067
pull
Entries 51
Mean 417.6
Std Dev 399

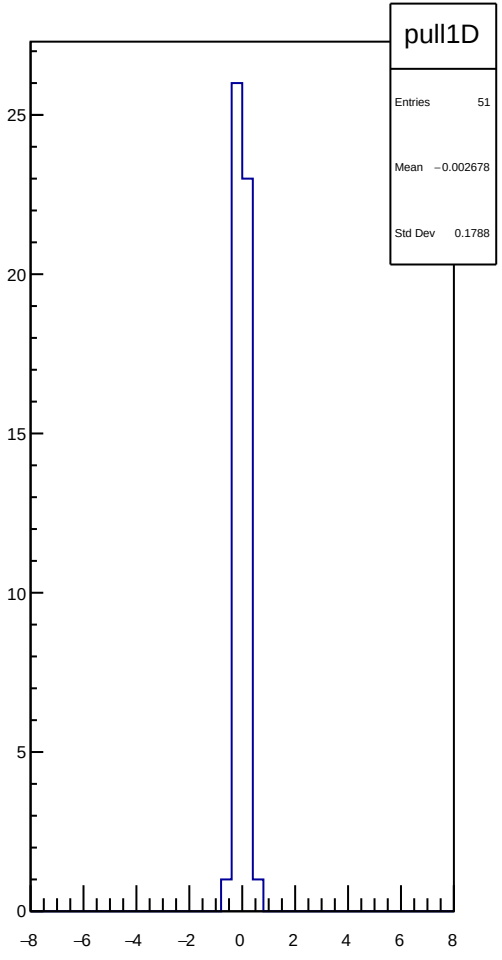

pull1D
Entries 51
Mean −0.0007653
Std Dev 0.1013

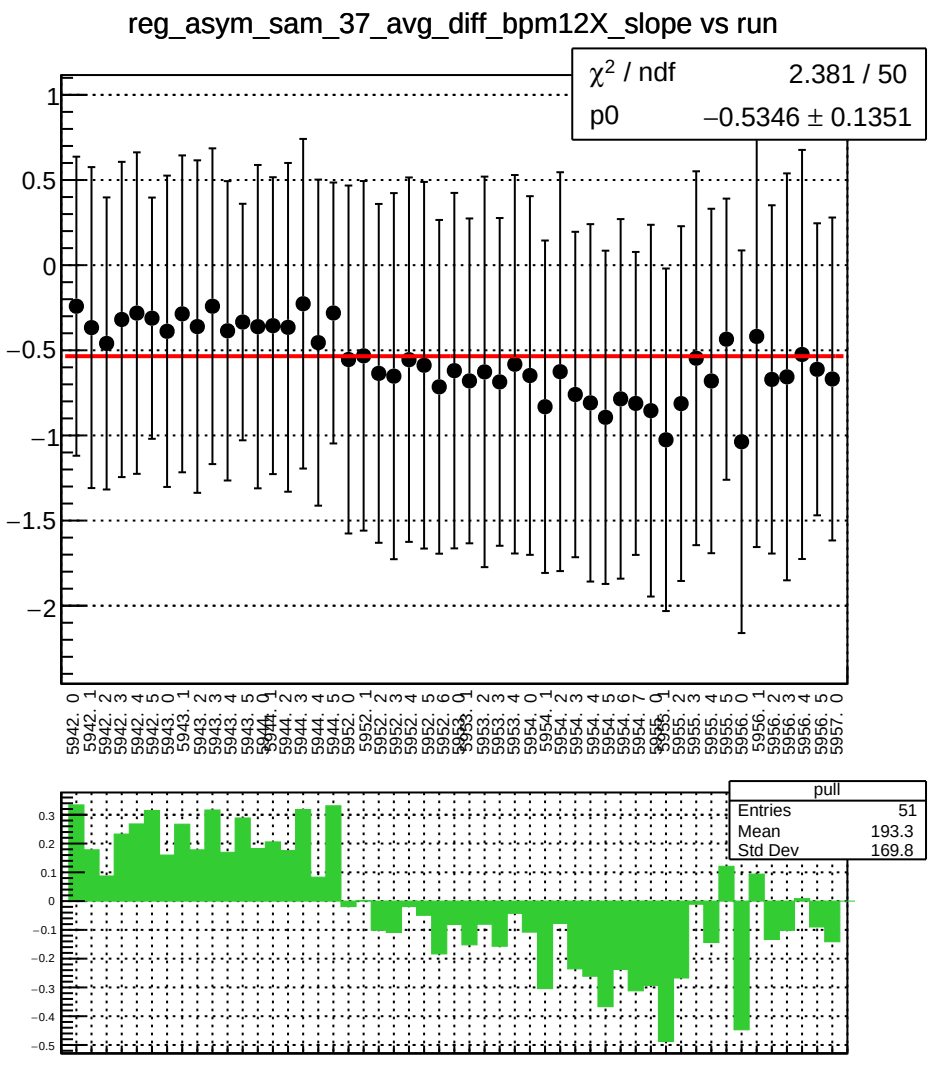

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.155 / 50
p0 6.599 ± 1.138
pull
Entries 51
Mean −425.8
Std Dev 460.8

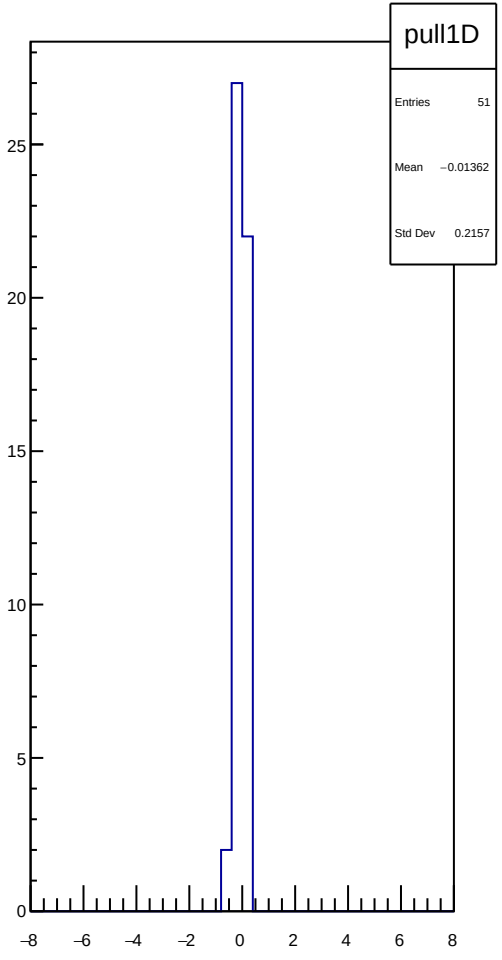

pull1D
Entries 51
Mean 0.001341
Std Dev 0.1505

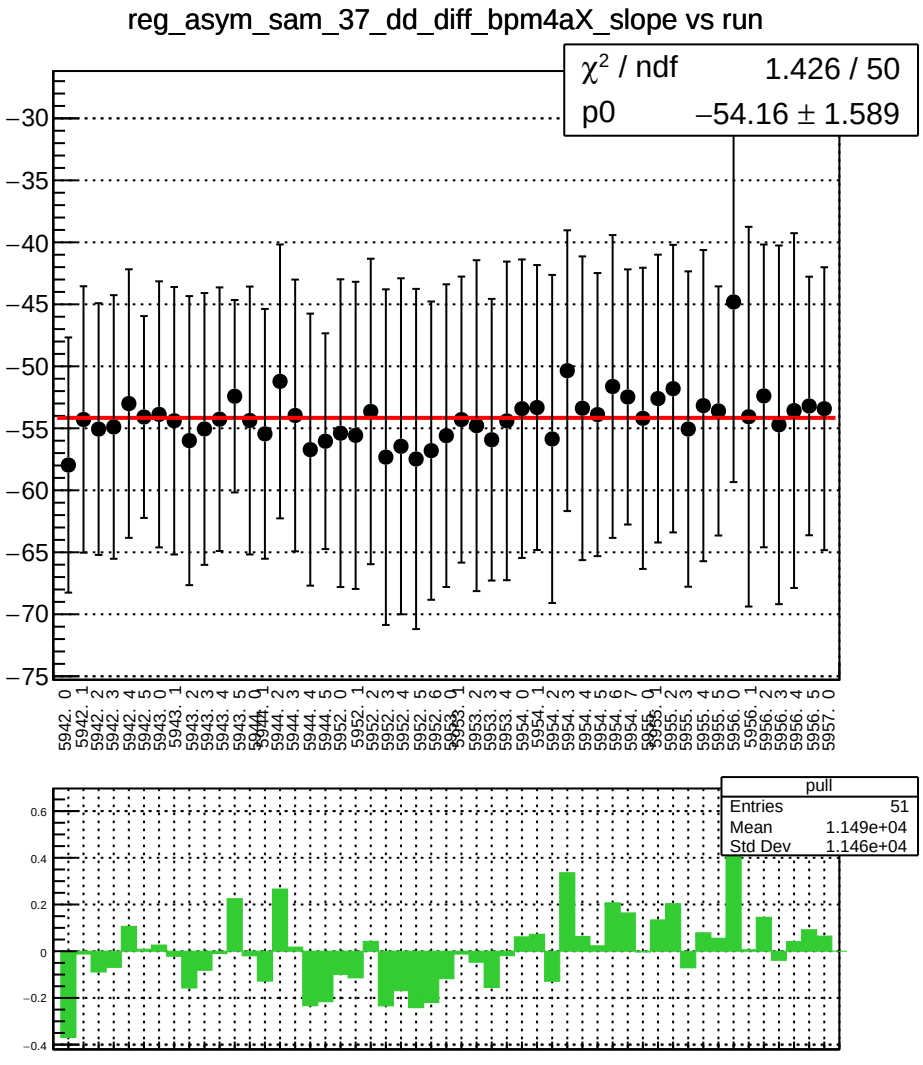

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.183 / 50
p0 −59.44 ± 3.254
pull
Entries 51
Mean 141.8
Std Dev 116.3
pull1D
Entries 51
Mean −0.01016
Std Dev 0.152

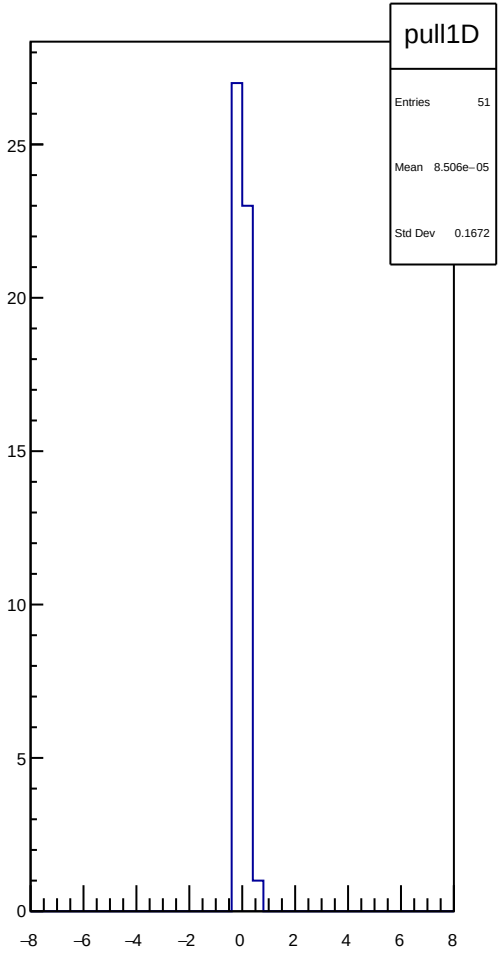

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.631 / 50
p0 −0.8123 ± 1.485
pull
Entries 51
Mean −137.3
Std Dev 180.7

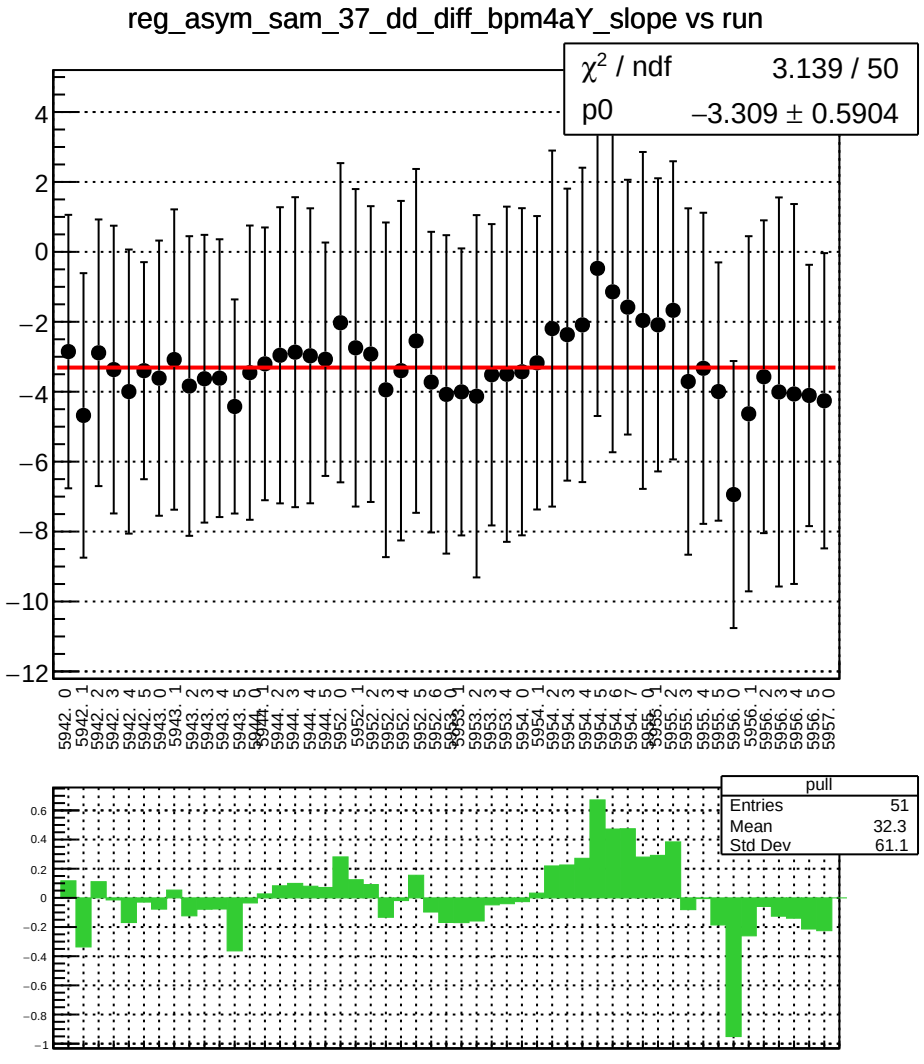

pull1D
Entries 51
Mean −0.002678
Std Dev 0.1788

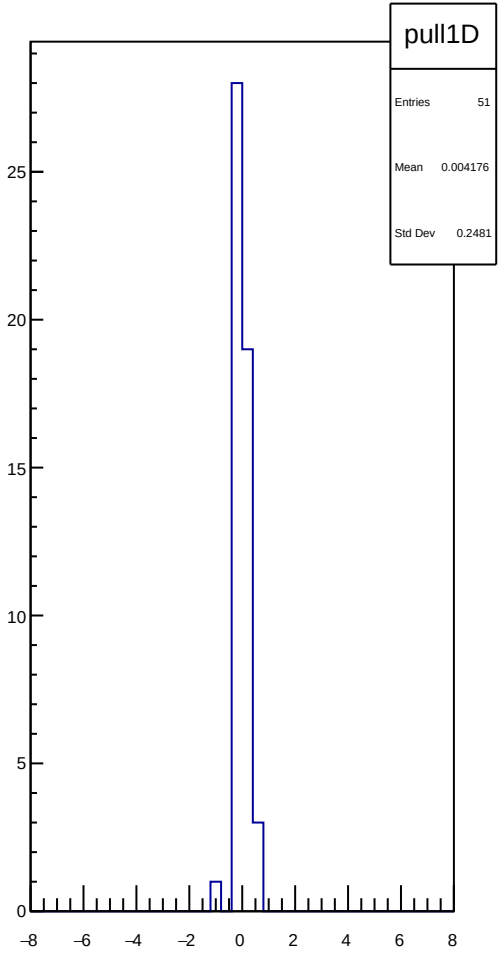

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 2.381 / 50
p0 −0.5346 ± 0.1351
pull
Entries 51
Mean 193.3
Std Dev 169.8

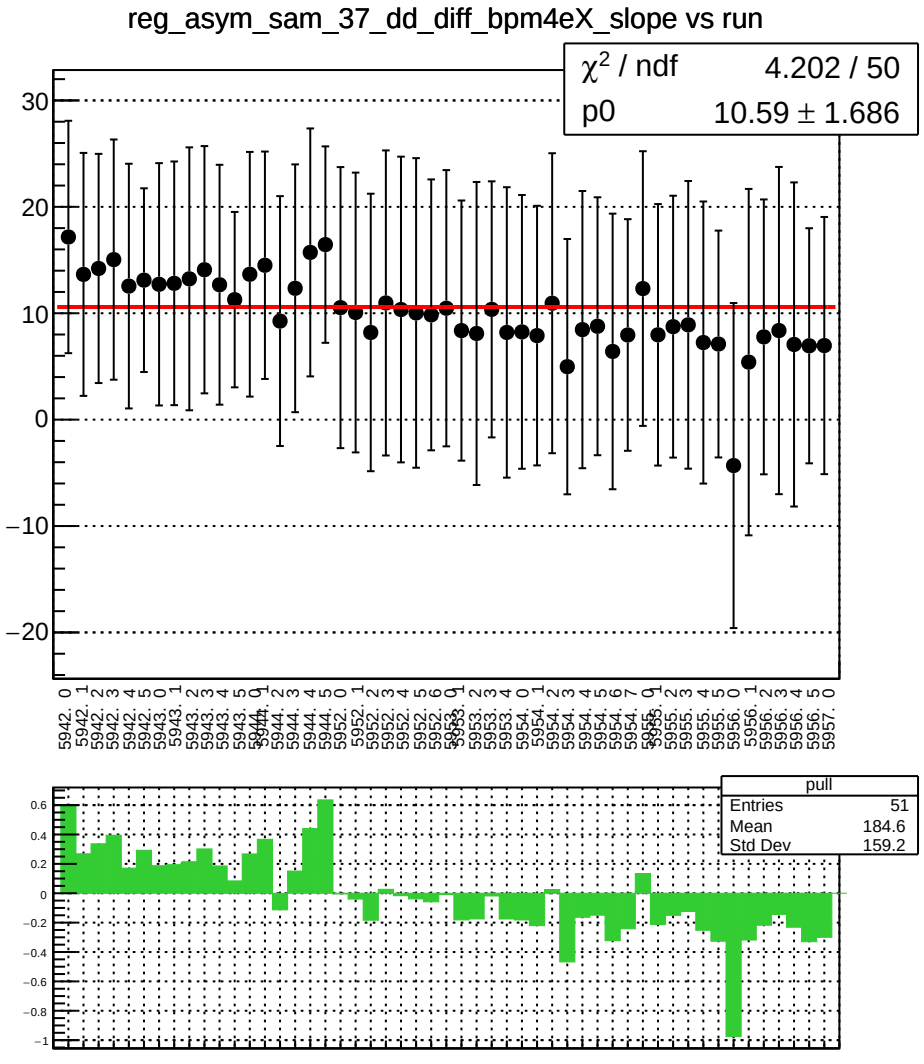

pull1D
Entries 51
Mean −0.01362
Std Dev 0.2157

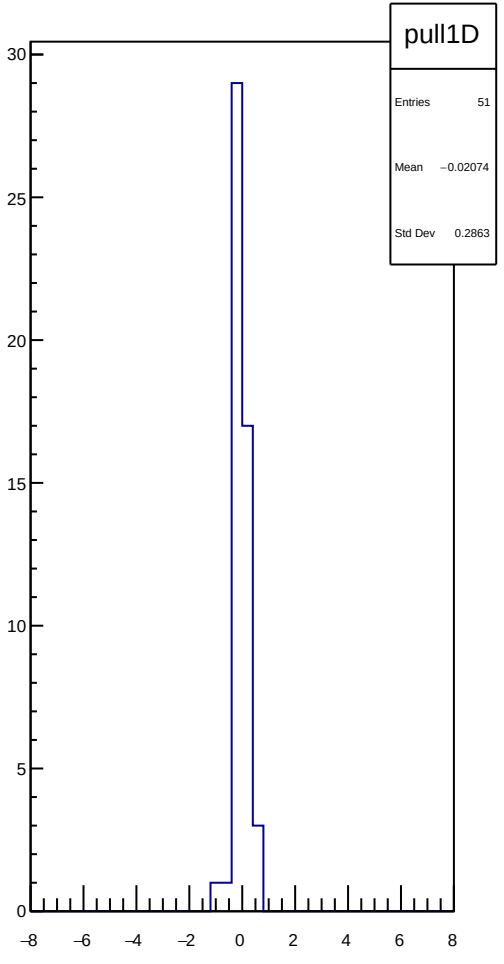

reg_asym_sam_37_dd_diff_bpm4aX_slope vs run
χ² / ndf 1.426 / 50
p0 −54.16 ± 1.589
pull
Entries 51
Mean 1.149e+04
Std Dev 1.146e+04

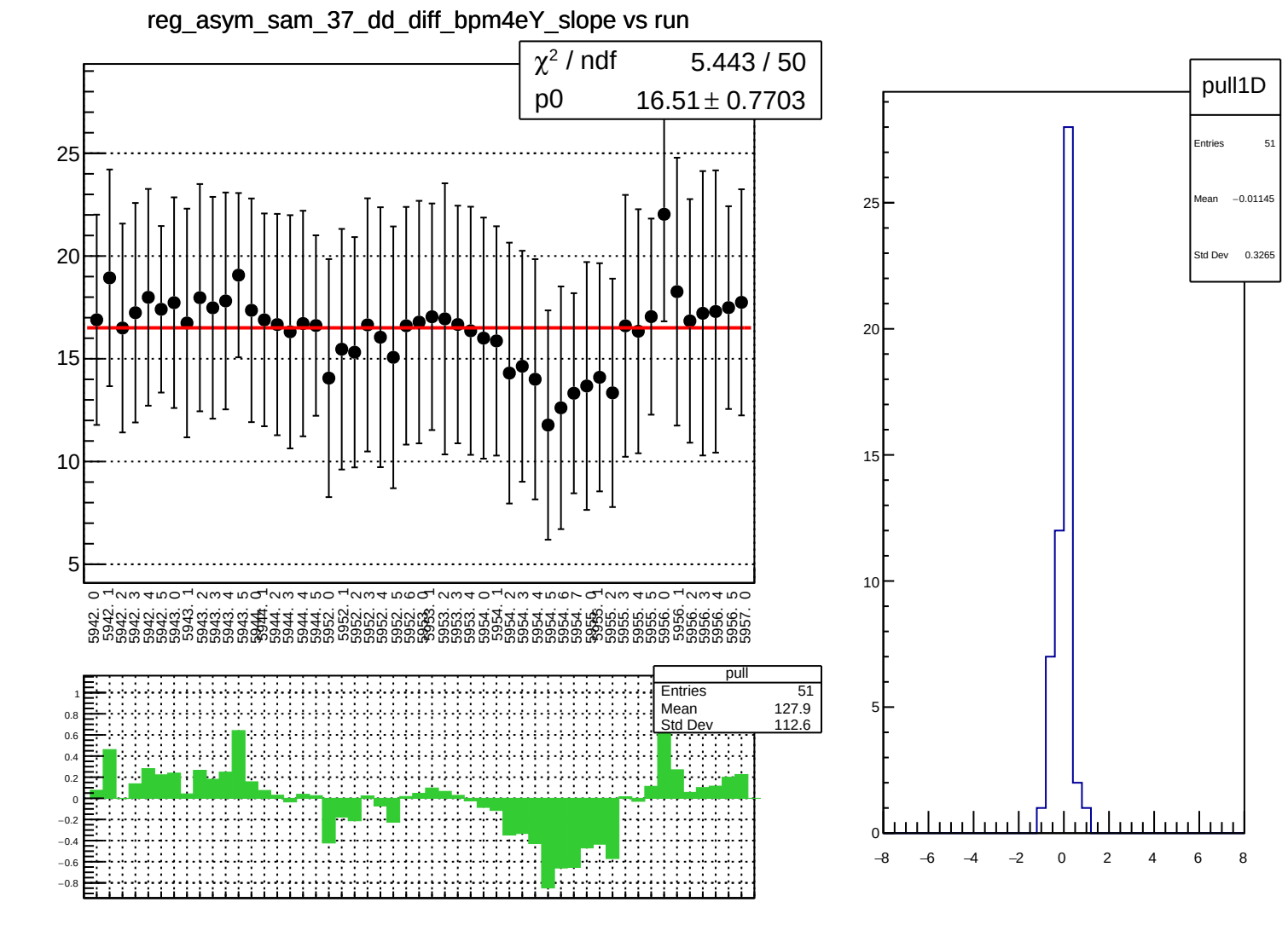

pull1D
Entries 51
Mean 8.506e−05
Std Dev 0.1672

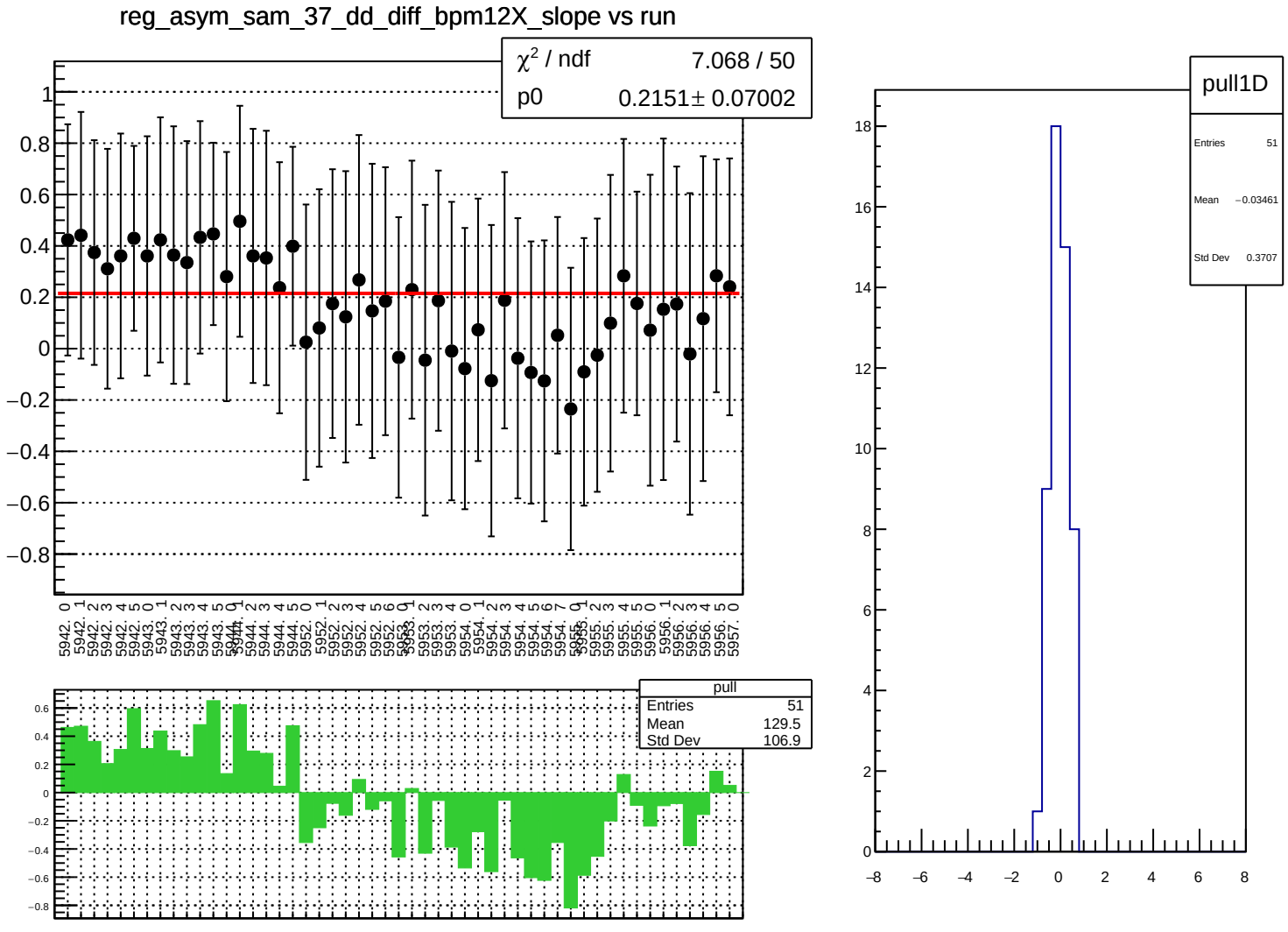

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.139 / 50
p0 −3.309 ± 0.5904
pull
Entries 51
Mean 32.3
Std Dev 61.1

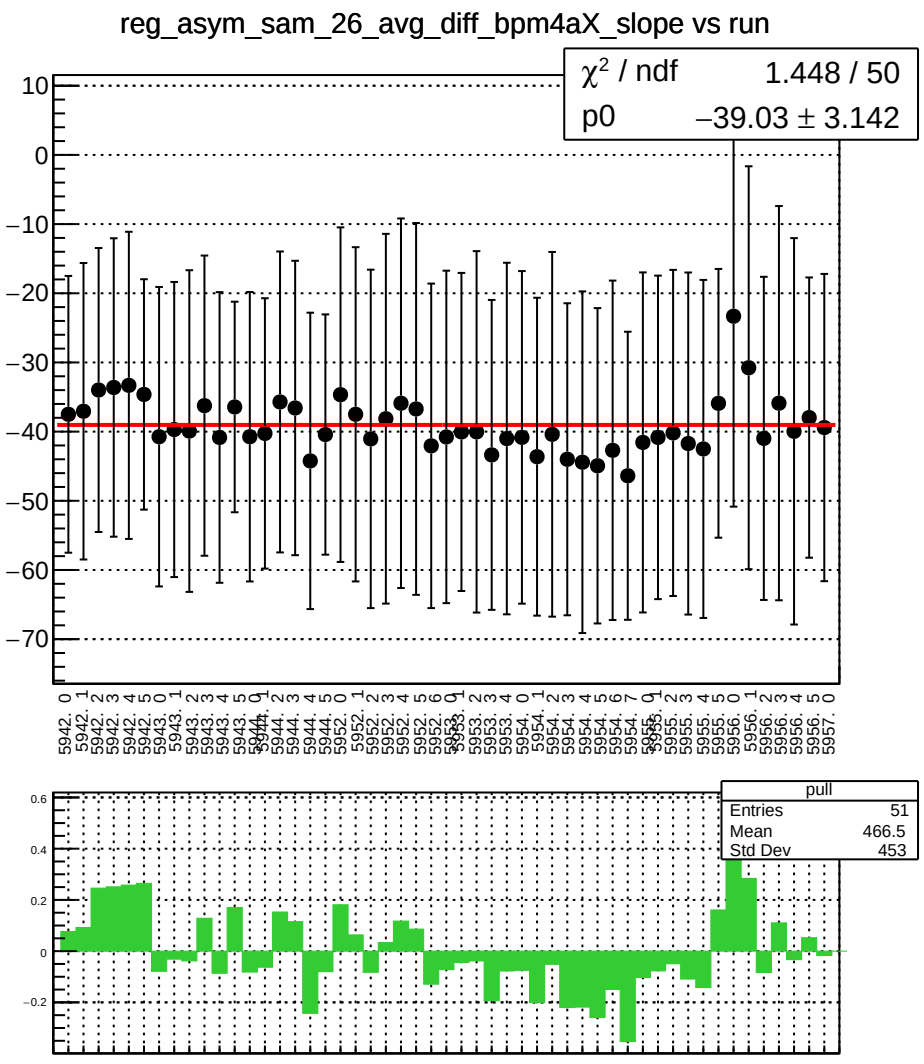

pull1D
Entries 51
Mean 0.004176
Std Dev 0.2481

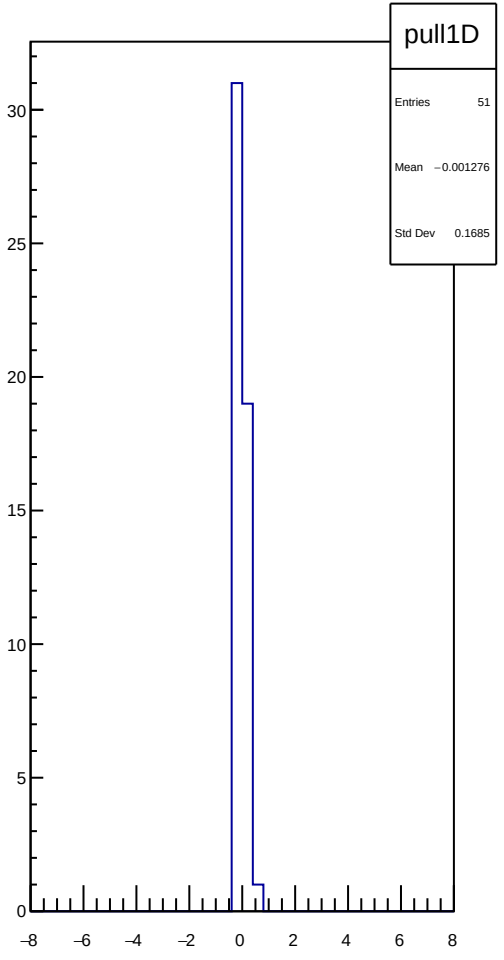

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.202 / 50
p0 10.59 ± 1.686
pull
Entries 51
Mean 184.6
Std Dev 159.2

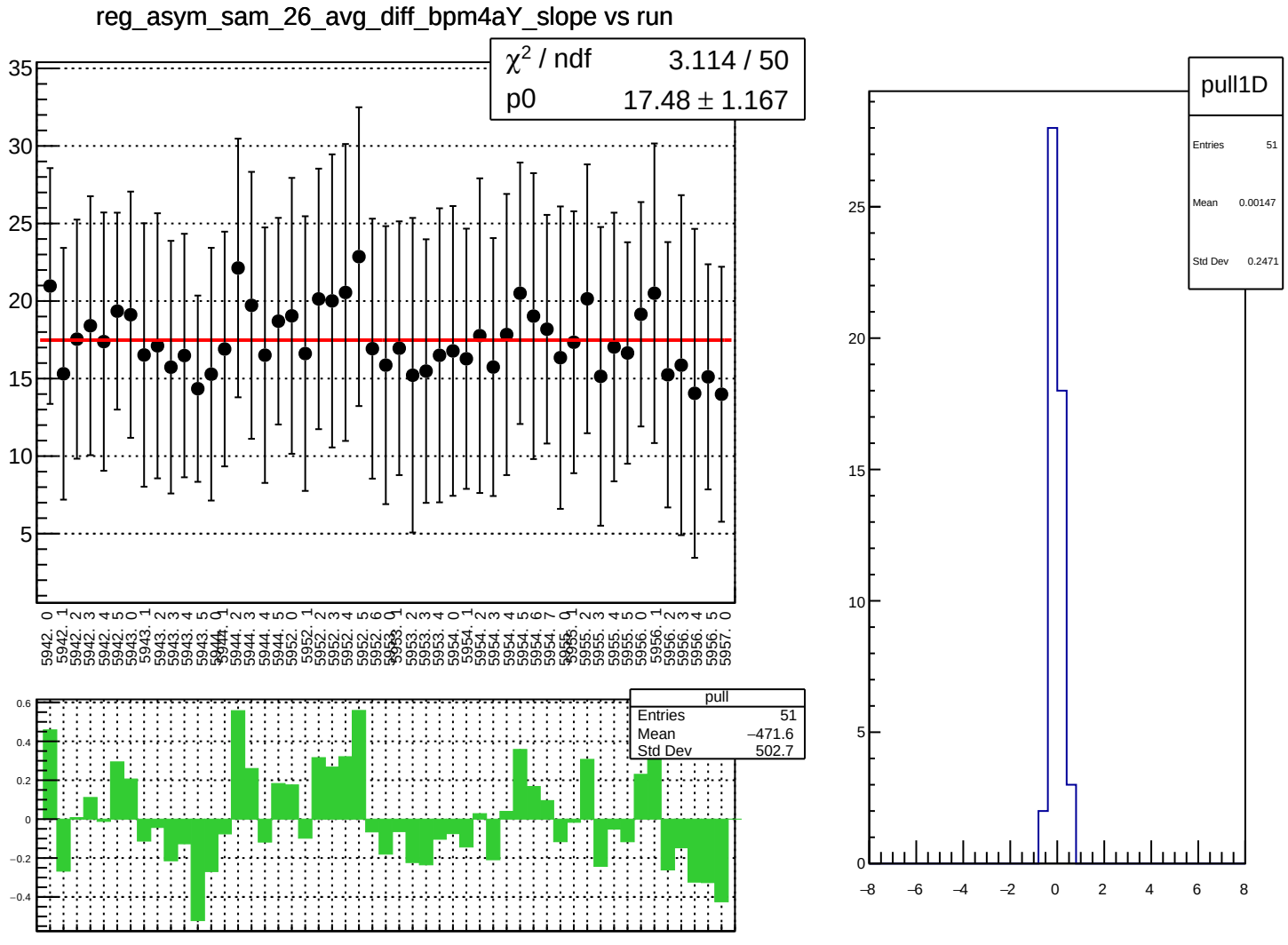

pull1D
Entries 51
Mean −0.02074
Std Dev 0.2863

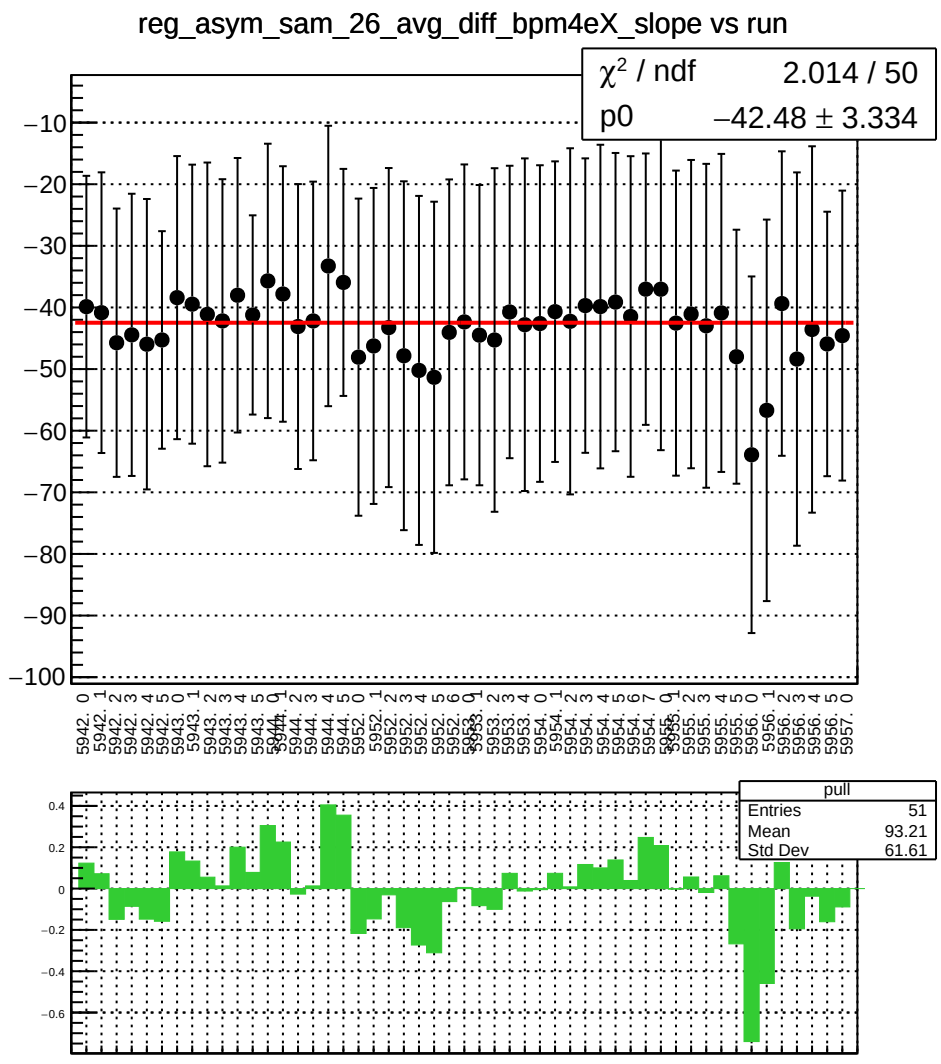

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.443 / 50
p0 16.51 ± 0.7703
pull
Entries 51
Mean 127.9
Std Dev 112.6
pull1D
Entries 51
Mean −0.01145
Std Dev 0.3265

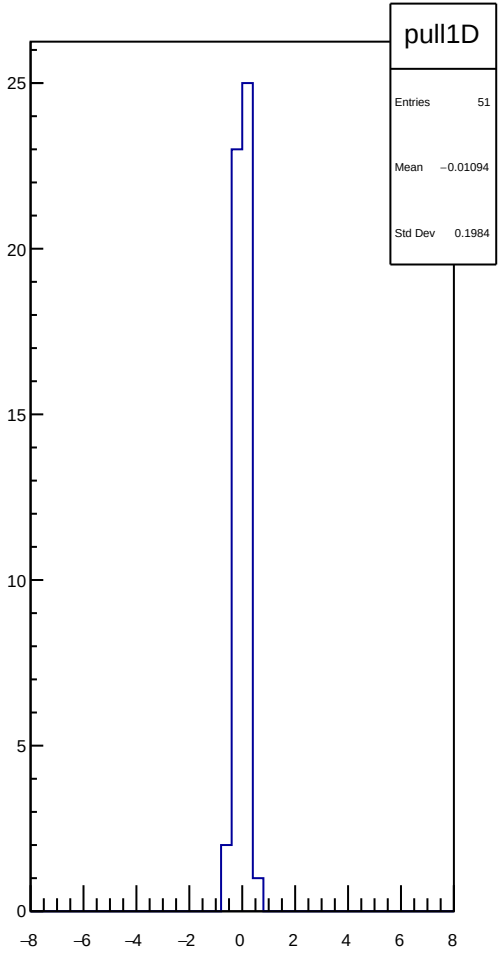

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 7.068 / 50
p0 0.2151± 0.07002
pull
Entries 51
Mean 129.5
Std Dev 106.9
pull1D
Entries 51
Mean −0.03461
Std Dev 0.3707

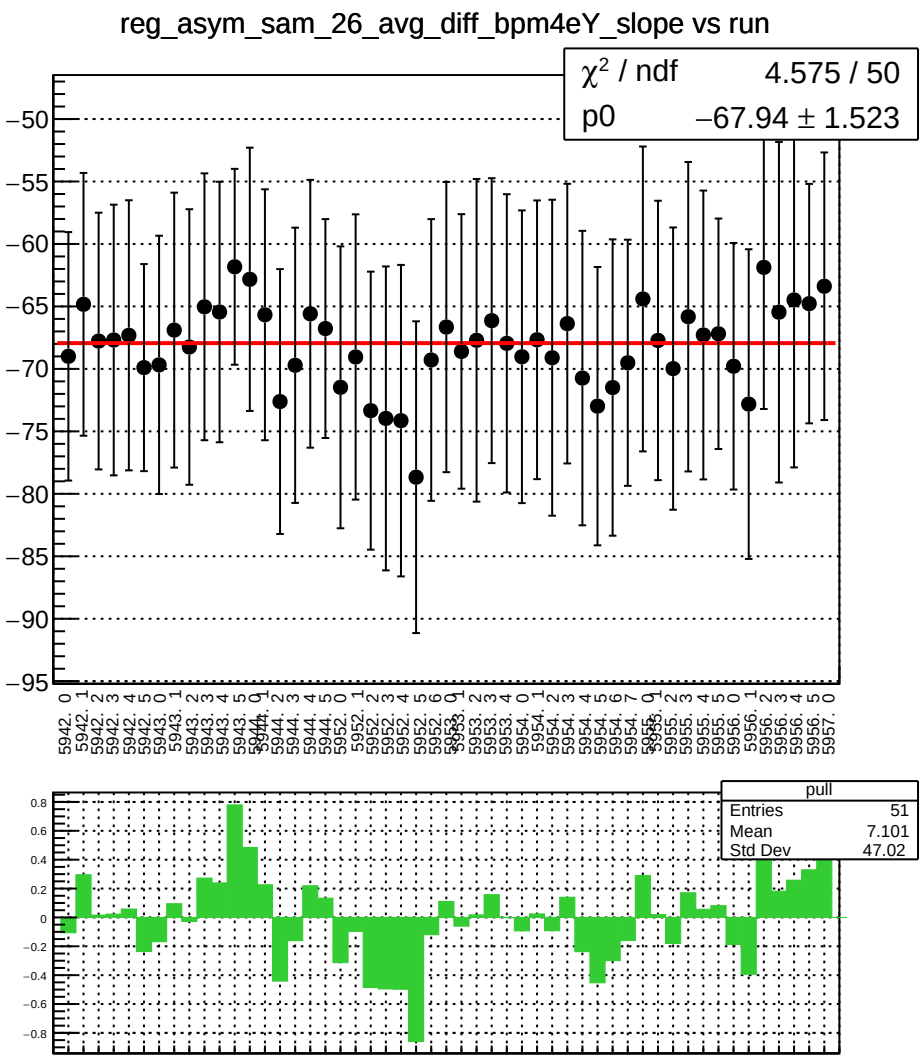

reg_asym_sam_26_avg_diff_bpm4aX_slope vs run
χ² / ndf 1.448 / 50
p0 −39.03 ± 3.142
pull
Entries 51
Mean 466.5
Std Dev 453

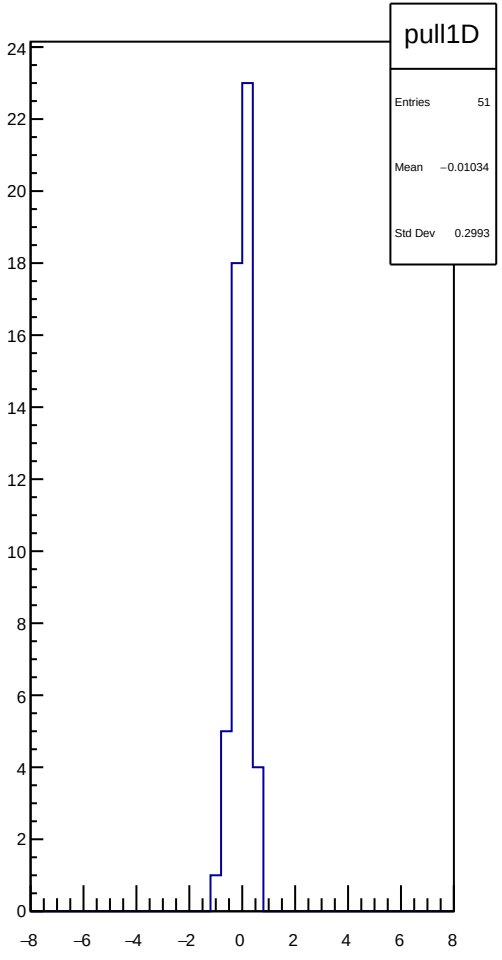

pull1D
Entries 51
Mean −0.001276
Std Dev 0.1685

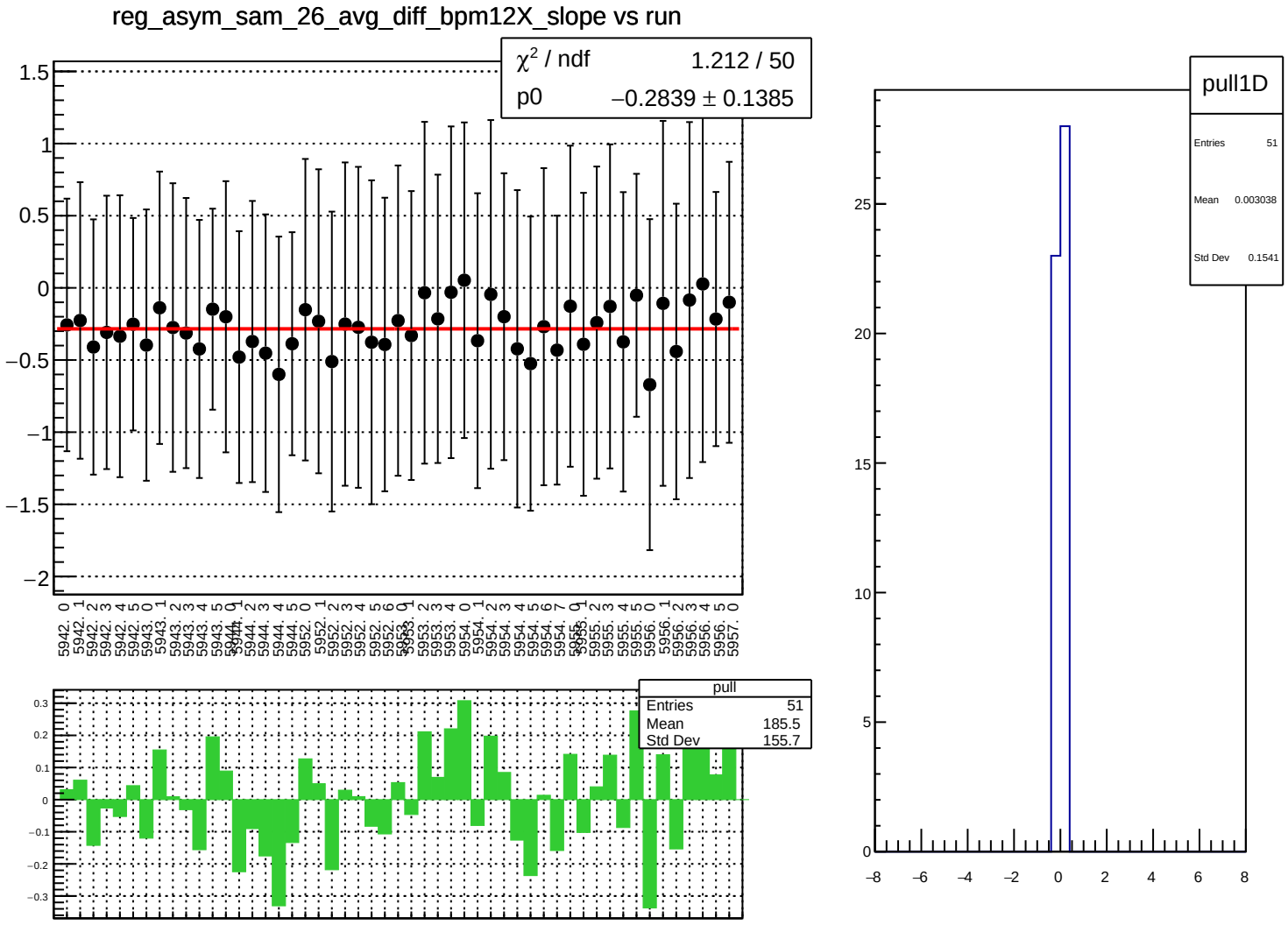

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.114 / 50
p0 17.48 ± 1.167
pull
Entries 51
Mean −471.6
Std Dev 502.7
pull1D
Entries 51
Mean 0.00147
Std Dev 0.2471

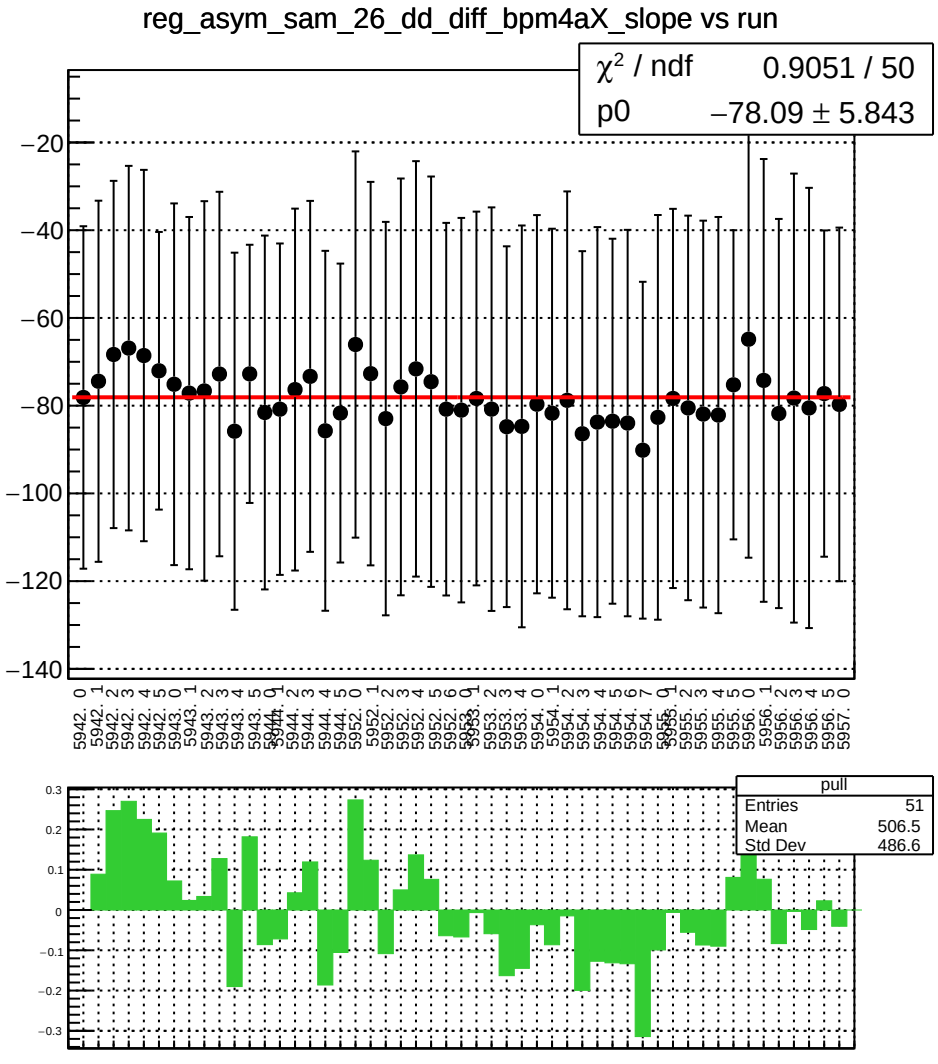

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.014 / 50
p0 −42.48 ± 3.334
pull
Entries 51
Mean 93.21
Std Dev 61.61

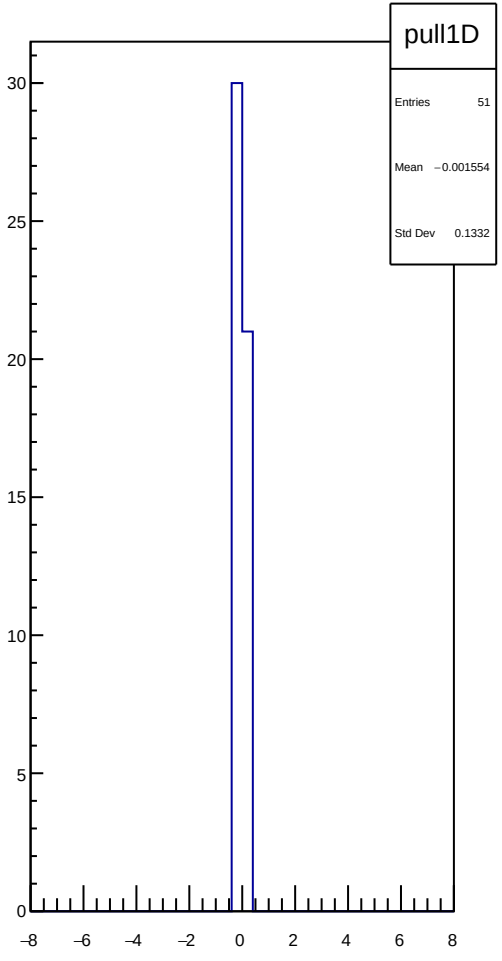

pull1D
Entries 51
Mean −0.01094
Std Dev 0.1984

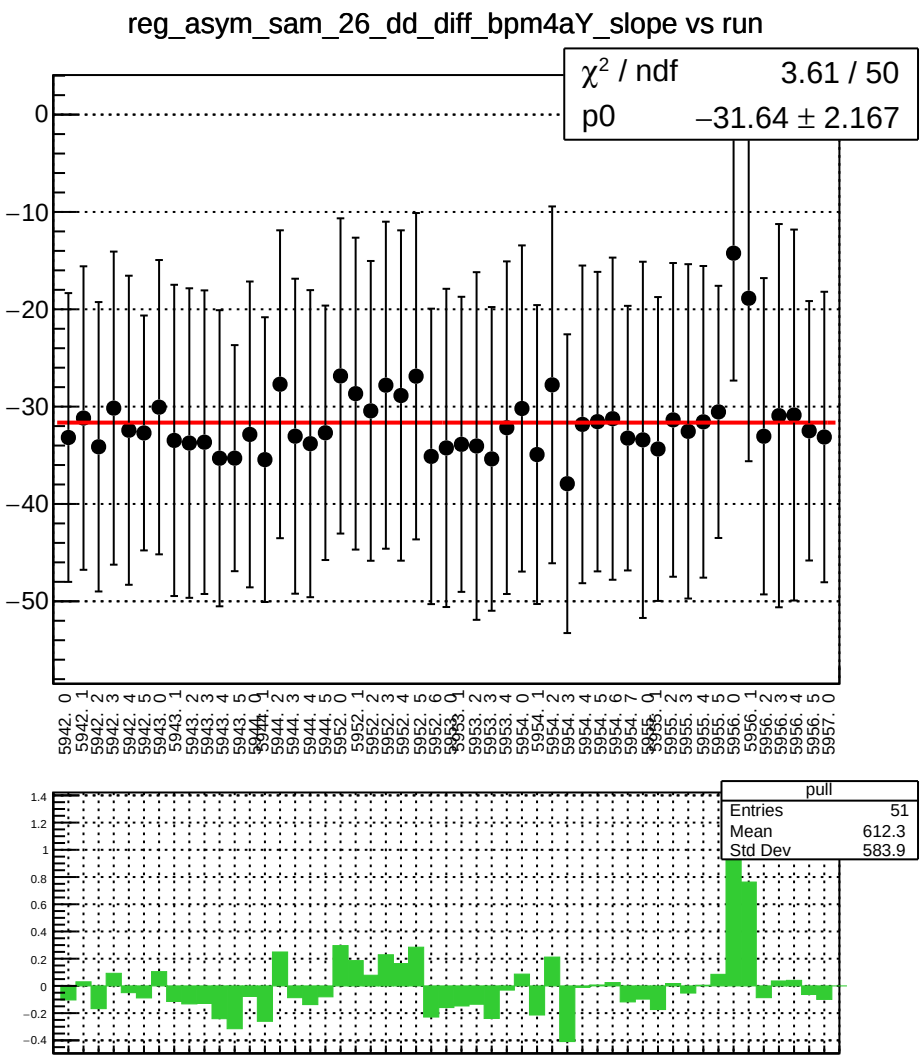

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.575 / 50
p0 −67.94 ± 1.523
pull
Entries 51
Mean 7.101
Std Dev 47.02

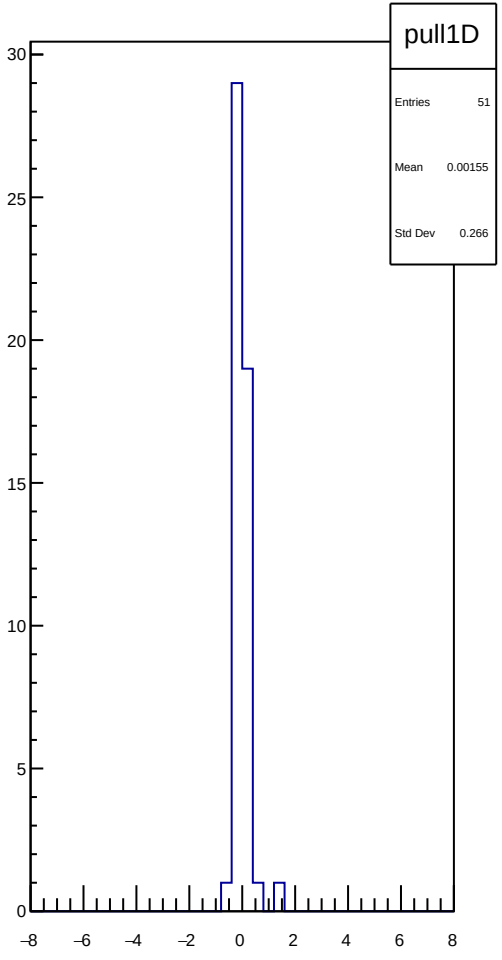

pull1D
Entries 51
Mean −0.01034
Std Dev 0.2993

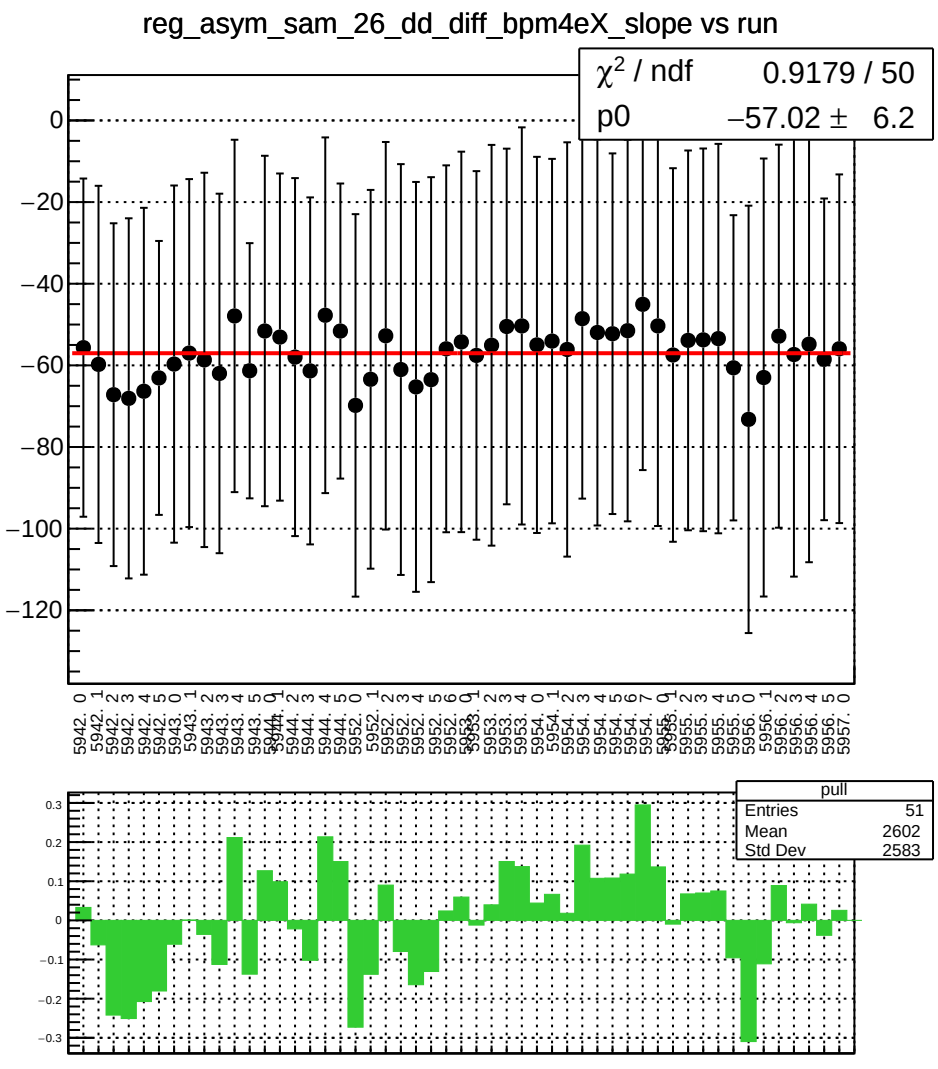

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 1.212 / 50
p0 −0.2839 ± 0.1385
pull
Entries 51
Mean 185.5
Std Dev 155.7
pull1D
Entries 51
Mean 0.003038
Std Dev 0.1541

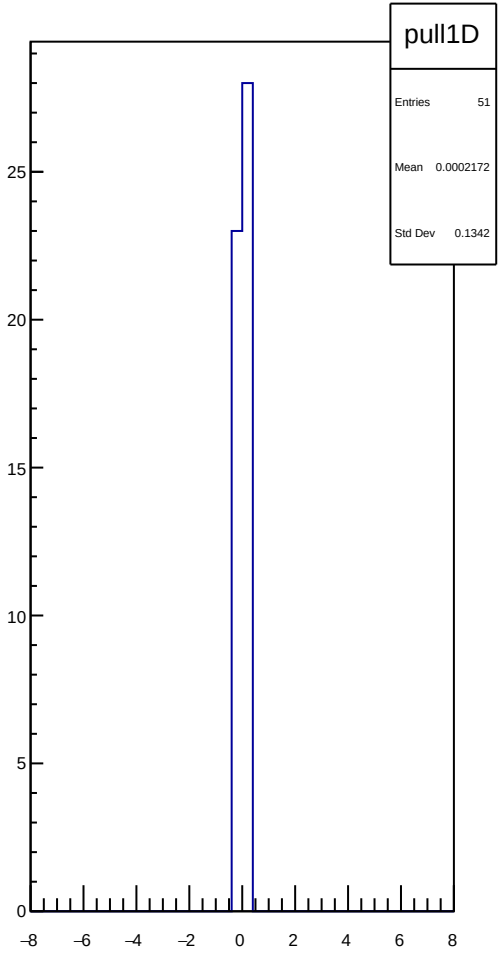

reg_asym_sam_26_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.9051 / 50
p0 −78.09 ± 5.843
pull
Entries 51
Mean 506.5
Std Dev 486.6

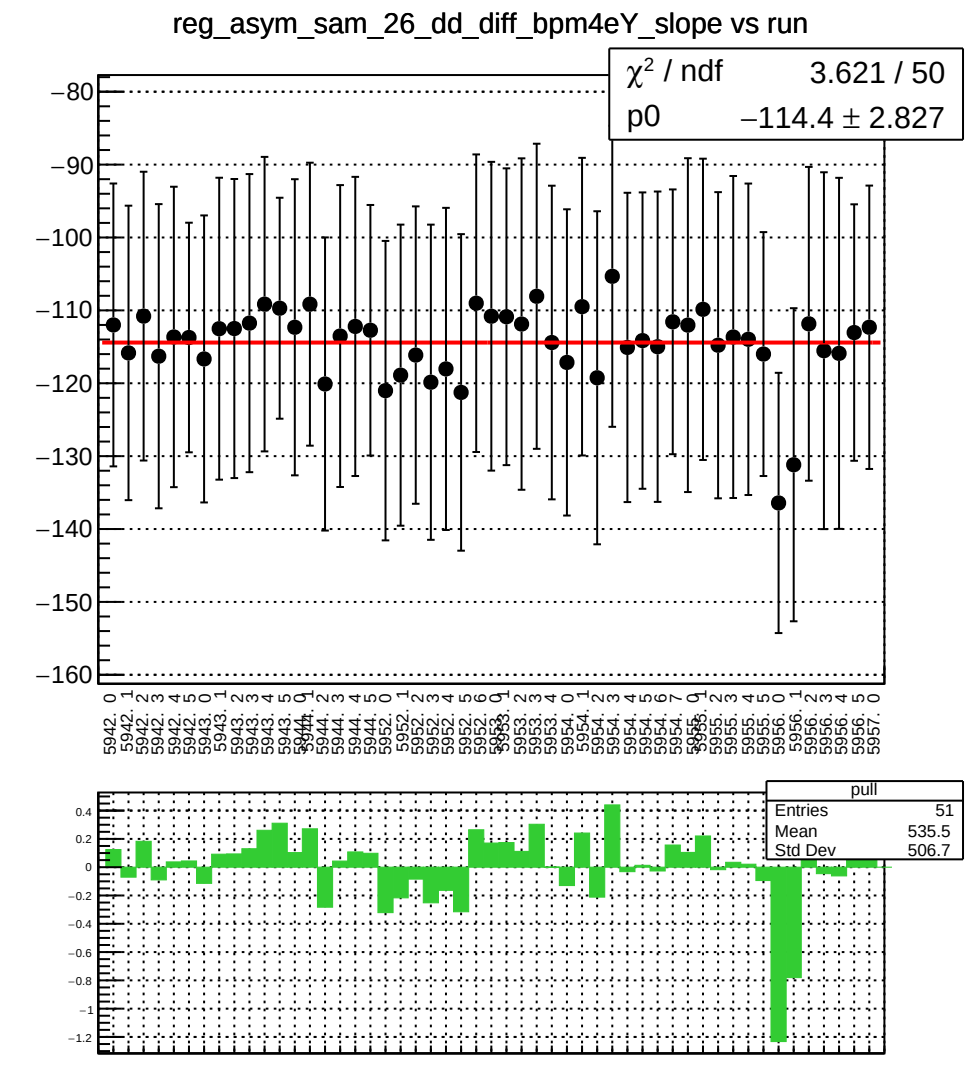

pull1D
Entries 51
Mean −0.001554
Std Dev 0.1332

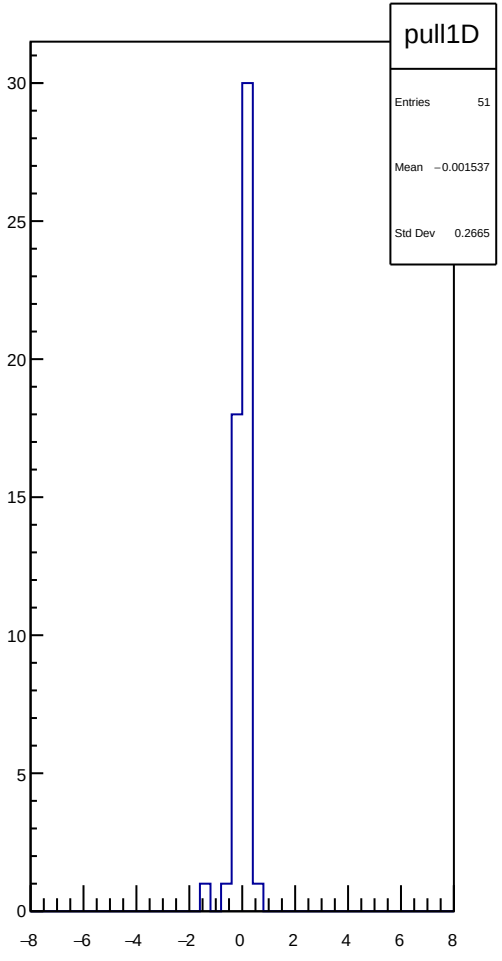

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.61 / 50
p0 −31.64 ± 2.167
pull
Entries 51
Mean 612.3
Std Dev 583.9

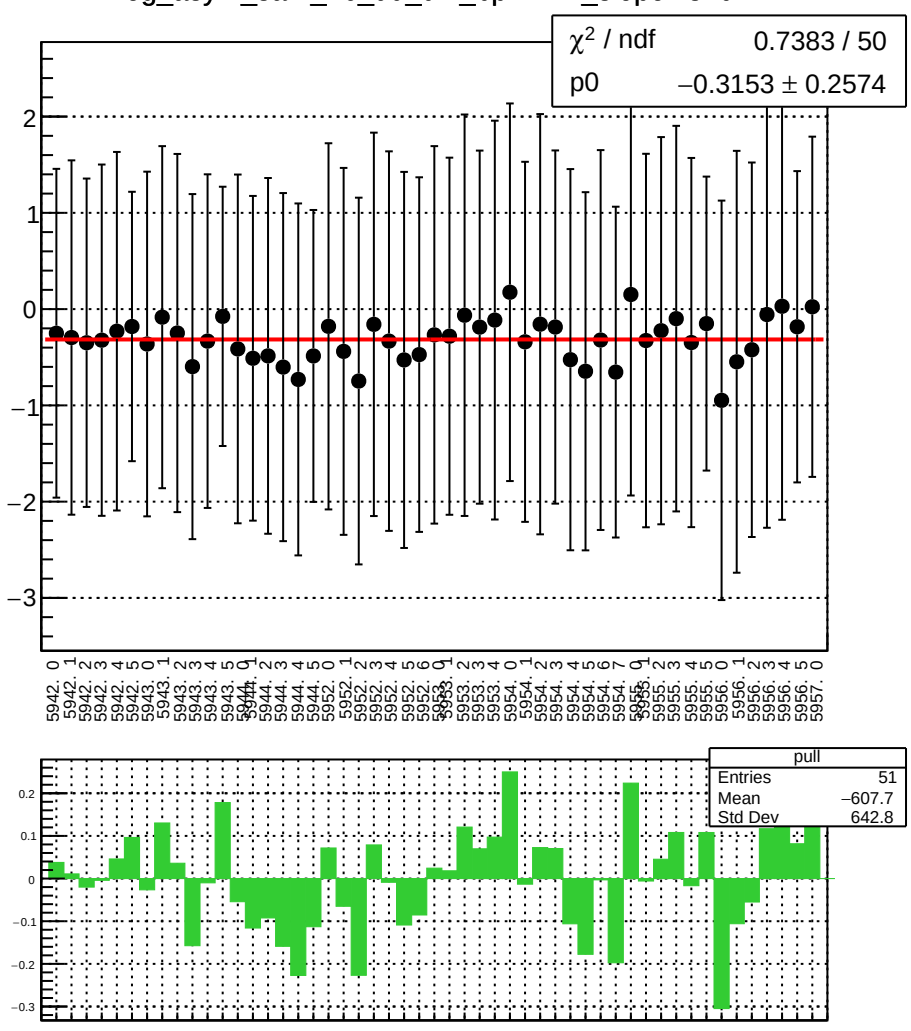

pull1D
Entries 51
Mean 0.00155
Std Dev 0.266

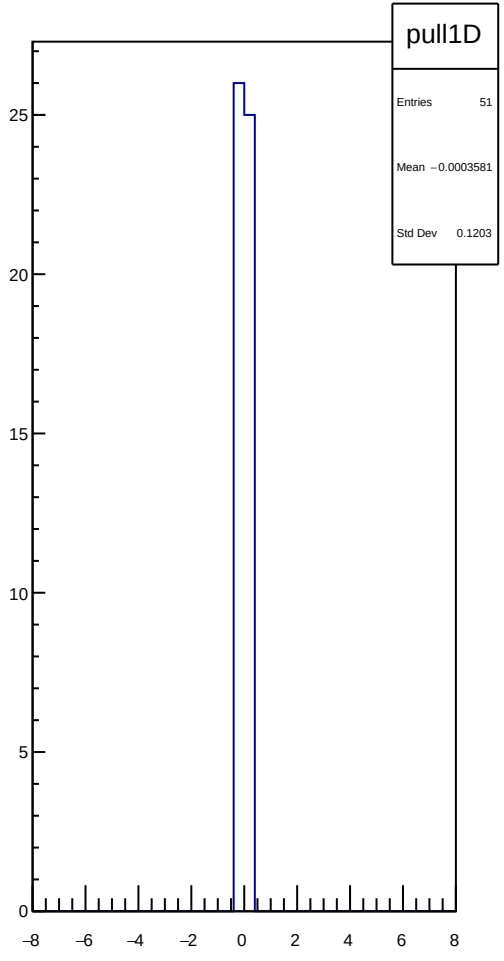

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.9179 / 50
p0 −57.02 ± 6.2
pull
Entries 51
Mean 2602
Std Dev 2583

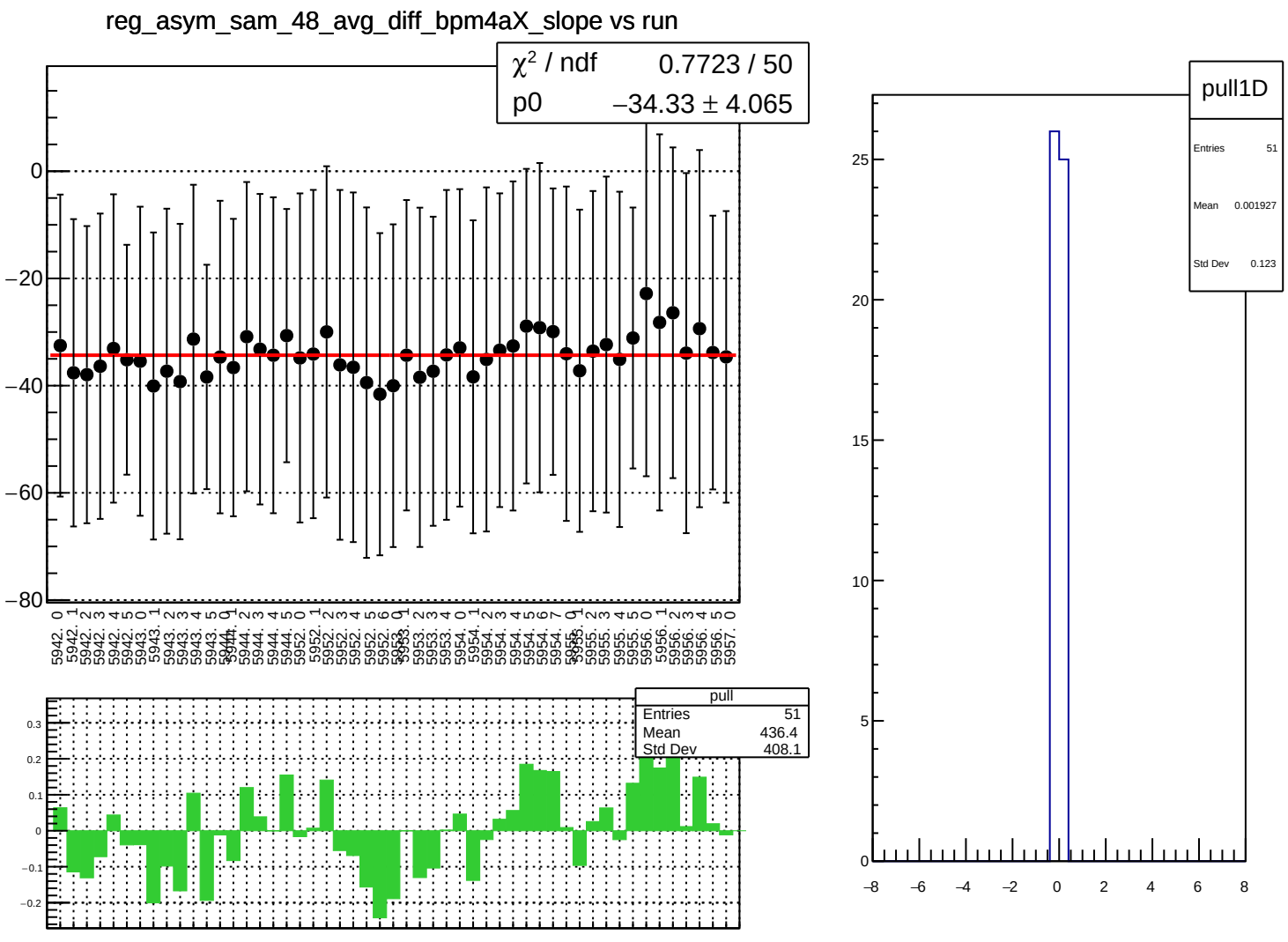

pull1D
Entries 51
Mean 0.0002172
Std Dev 0.1342

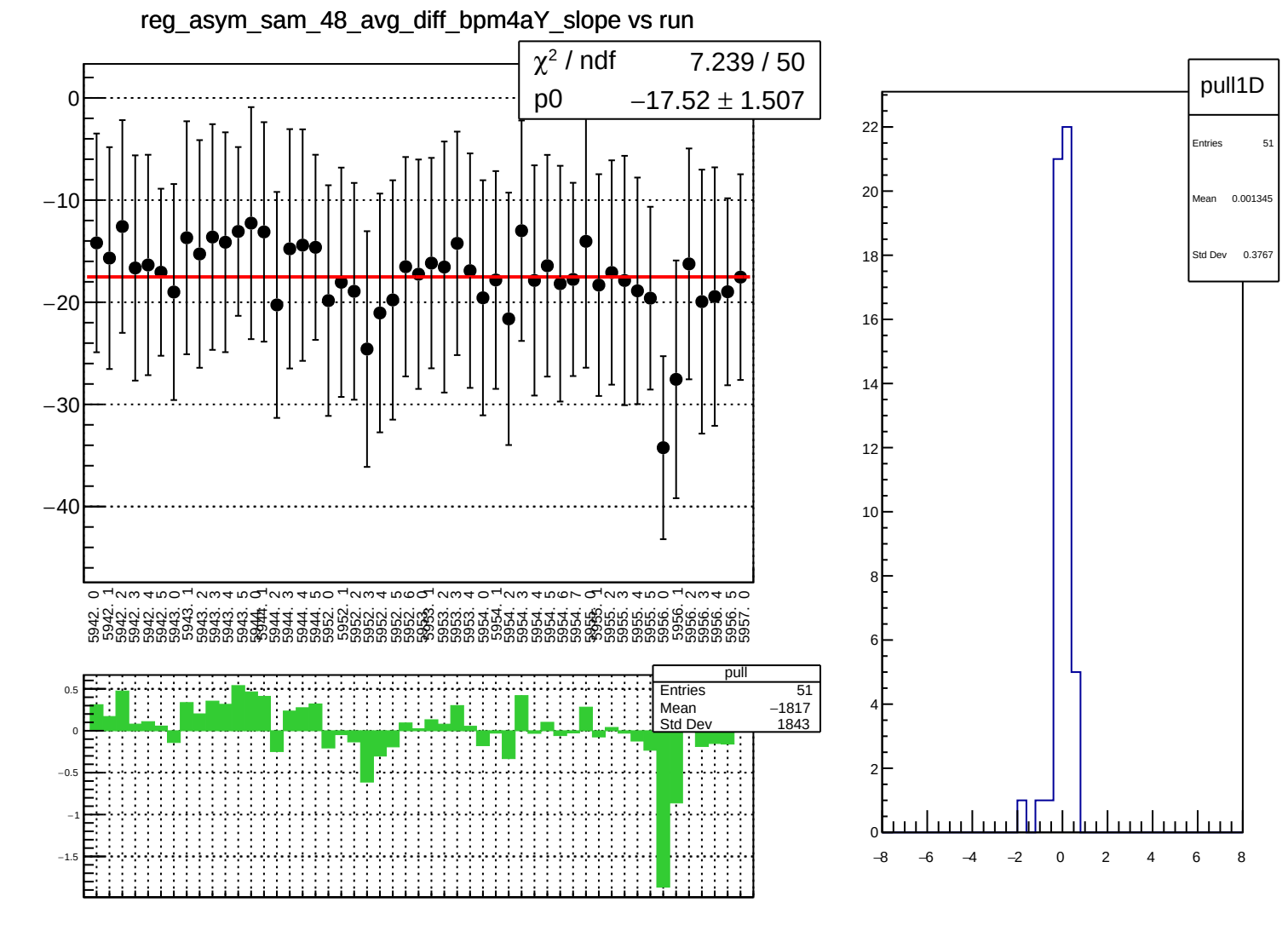

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.621 / 50
p0 −114.4 ± 2.827
pull
Entries 51
Mean 535.5
Std Dev 506.7

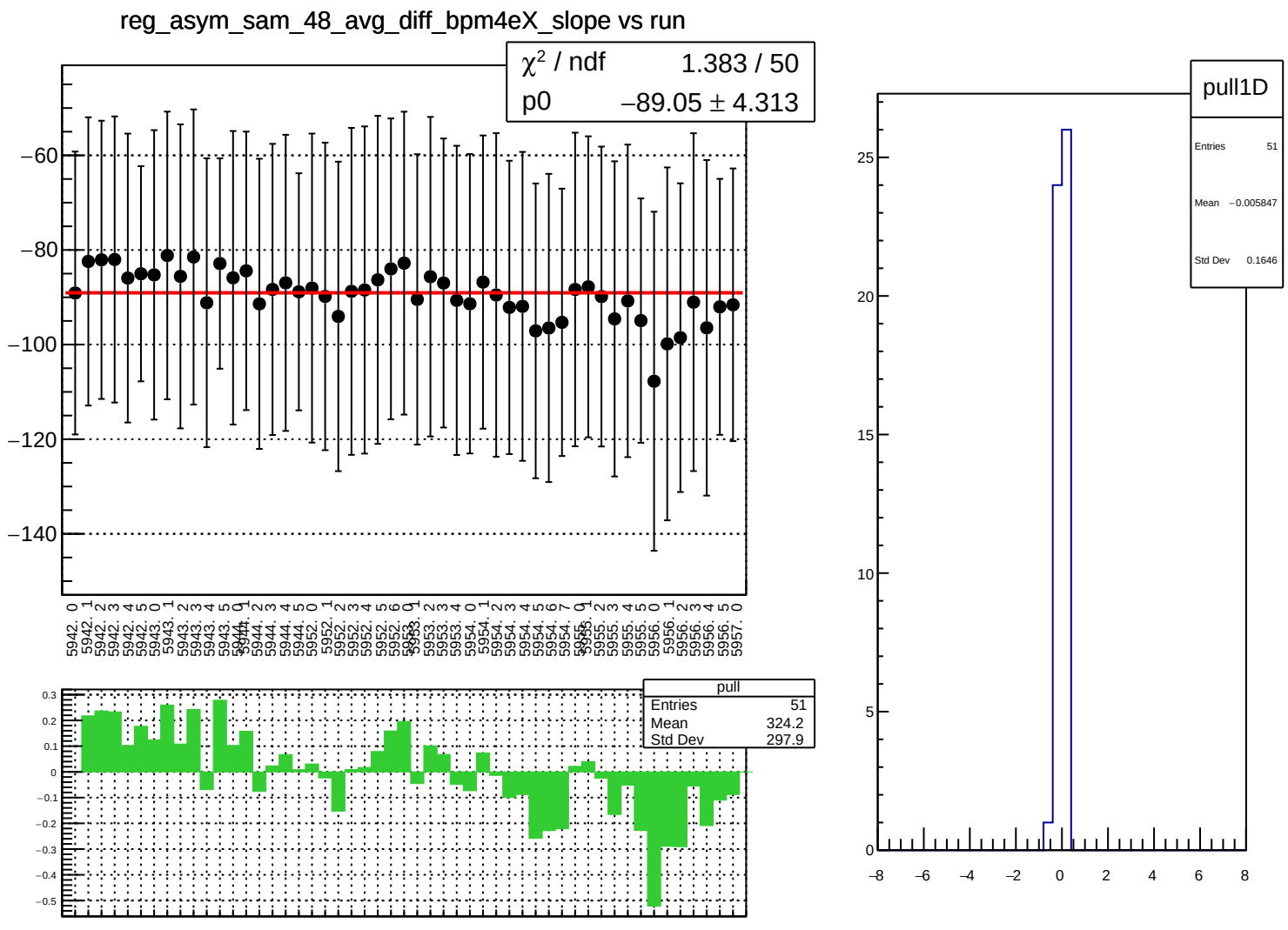

pull1D
Entries 51
Mean −0.001537
Std Dev 0.2665

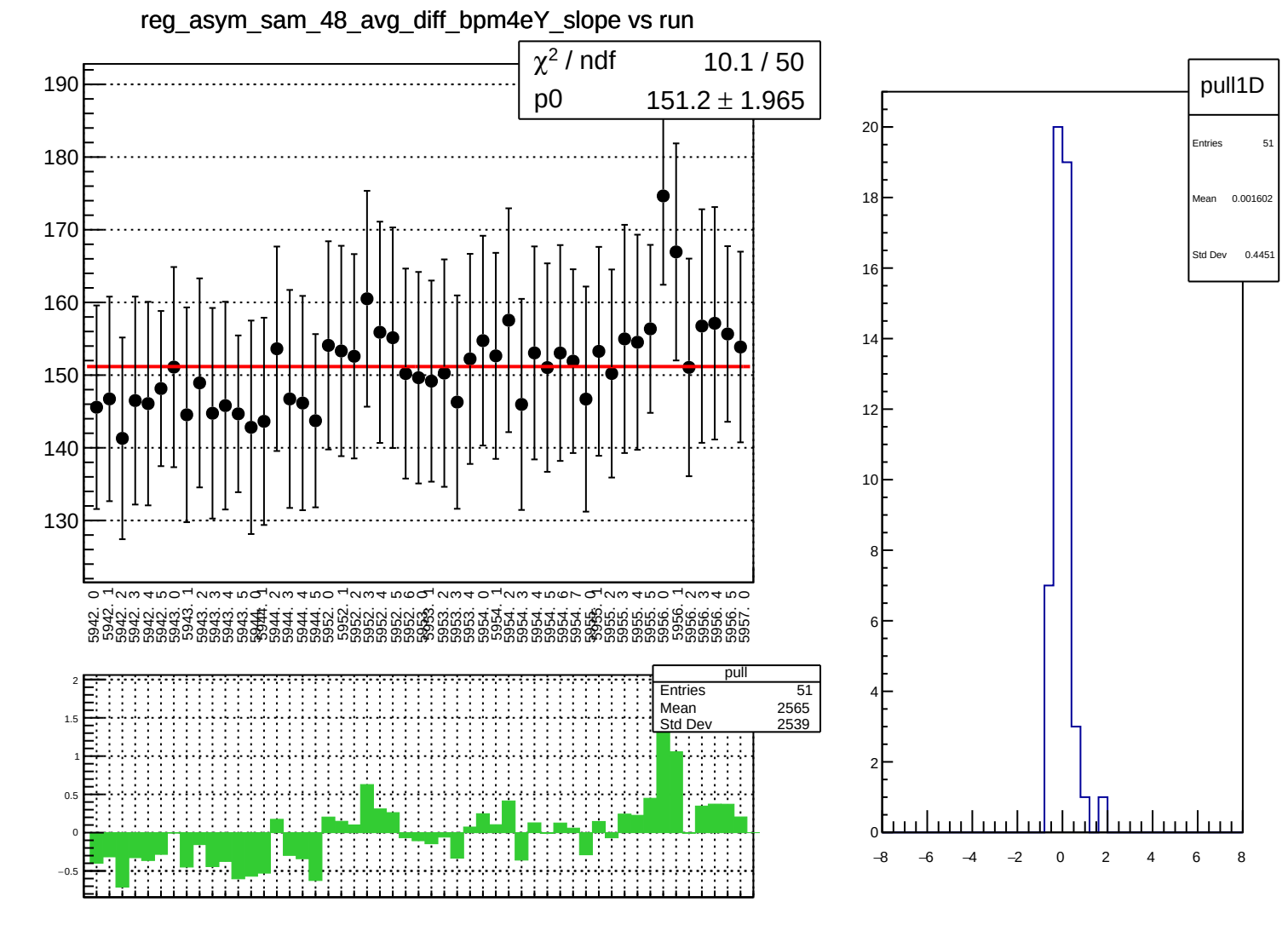

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 0.7383 / 50
p0 −0.3153 ± 0.2574
pull
Entries 51
Mean −607.7
Std Dev 642.8

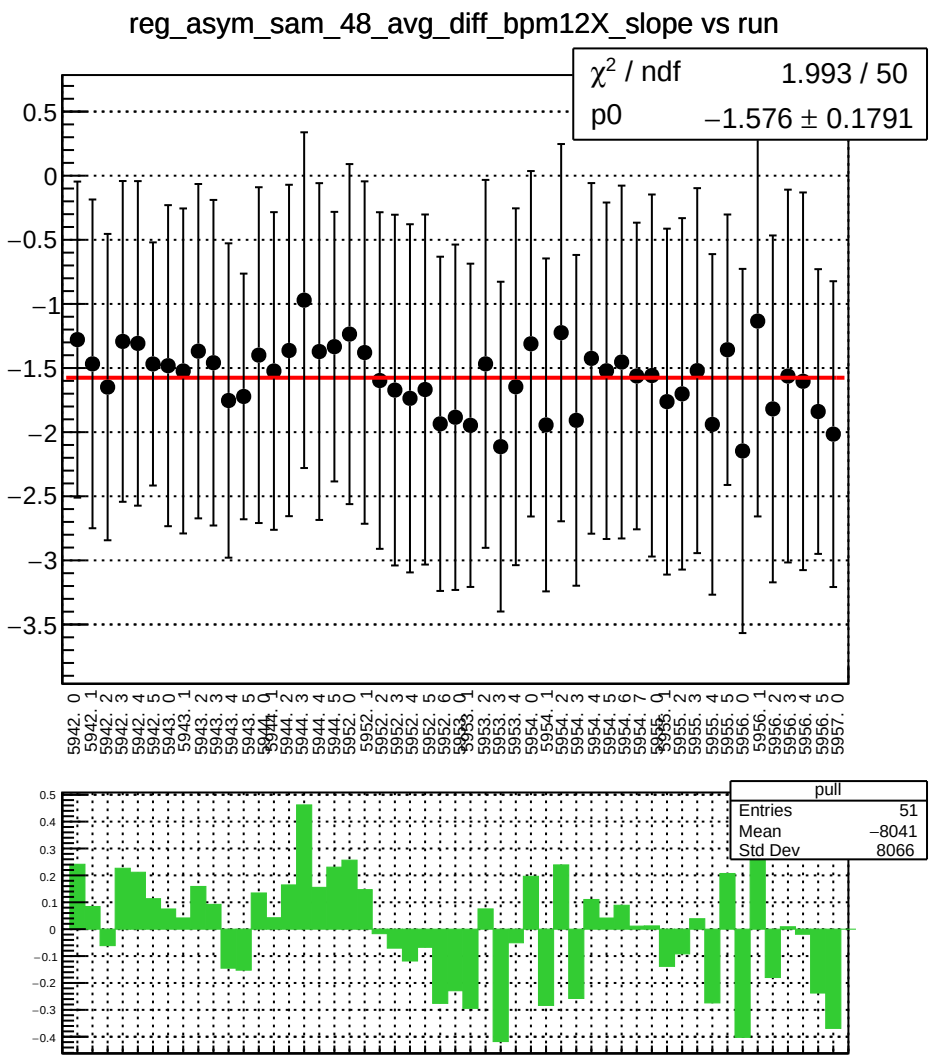

pull1D
Entries 51
Mean −0.0003581
Std Dev 0.1203

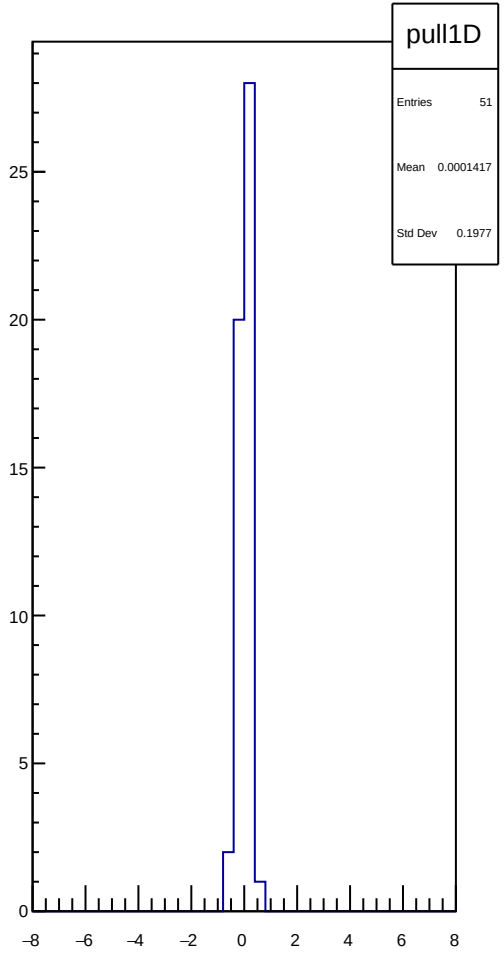

reg_asym_sam_48_avg_diff_bpm4aX_slope vs run
χ² / ndf 0.7723 / 50
p0 −34.33 ± 4.065
pull
Entries 51
Mean 436.4
Std Dev 408.1
pull1D
Entries 51
Mean 0.001927
Std Dev 0.123

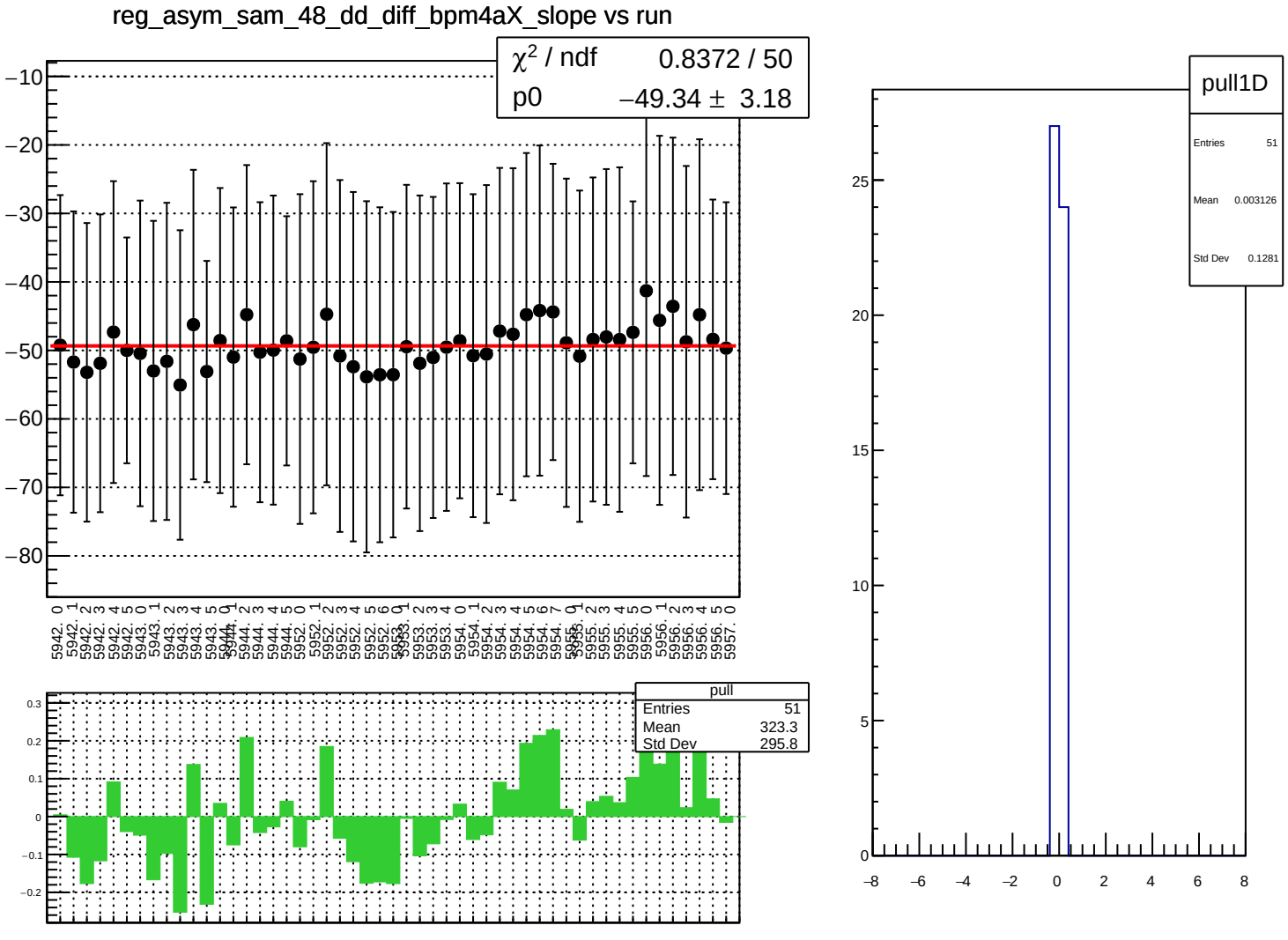

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.239 / 50
p0 −17.52 ± 1.507
pull
Entries 51
Mean −1817
Std Dev 1843
pull1D
Entries 51
Mean 0.001345
Std Dev 0.3767

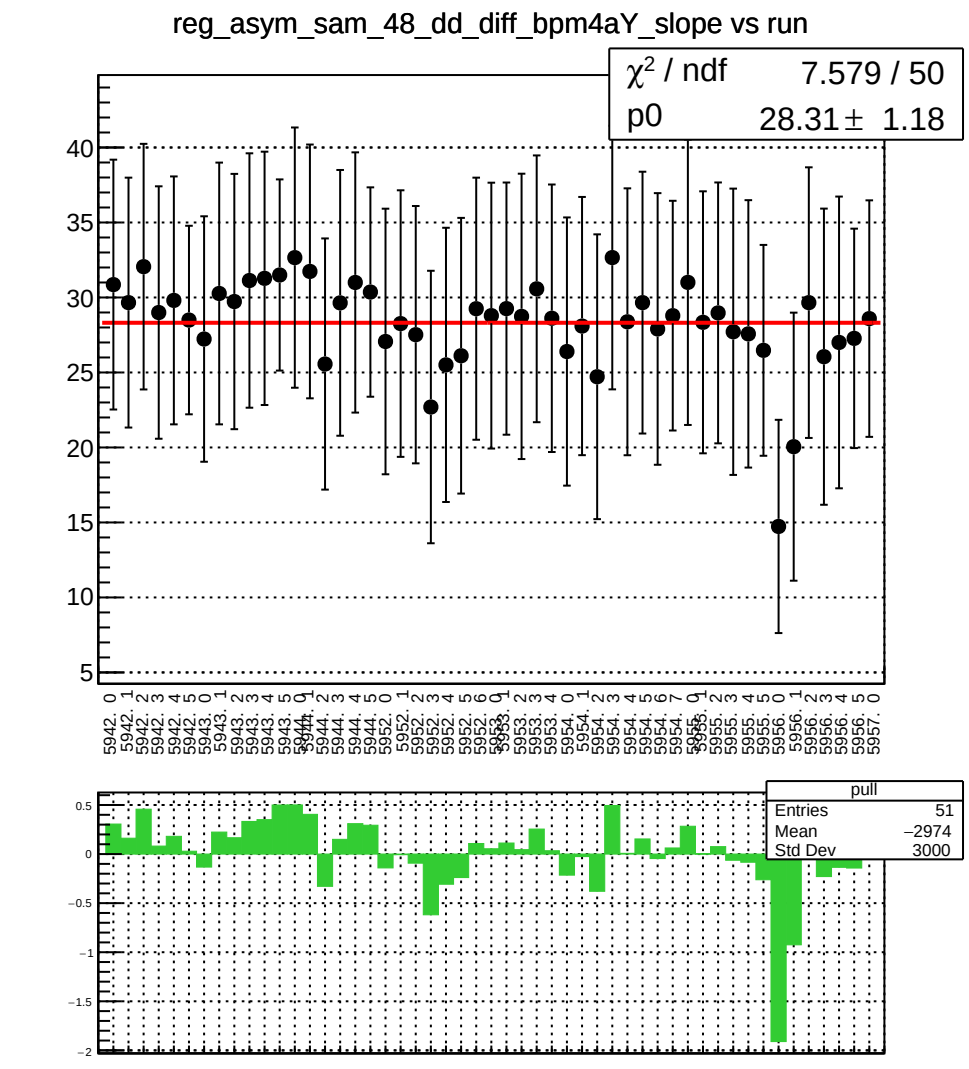

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.383 / 50
p0 −89.05 ± 4.313
pull
Entries 51
Mean 324.2
Std Dev 297.9
pull1D
Entries 51
Mean −0.005847
Std Dev 0.1646

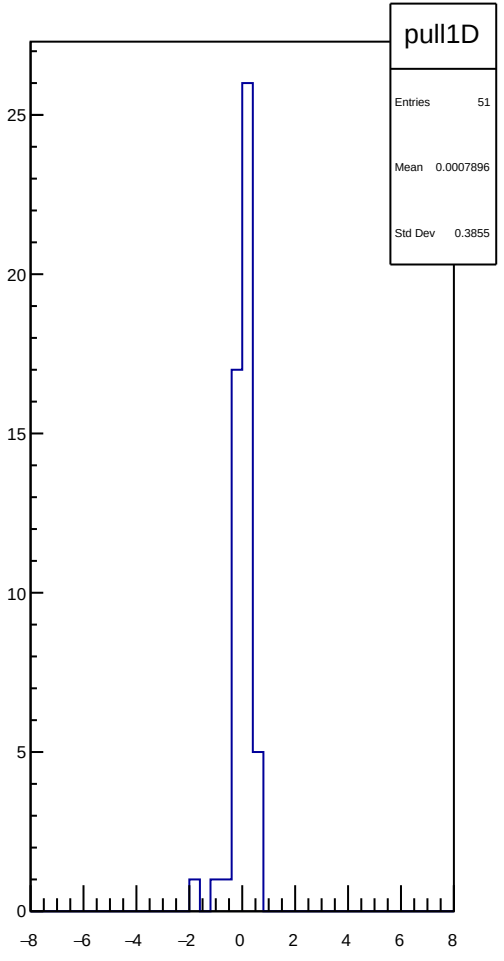

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.1 / 50
p0 151.2 ± 1.965
pull
Entries 51
Mean 2565
Std Dev 2539
pull1D
Entries 51
Mean 0.001602
Std Dev 0.4451

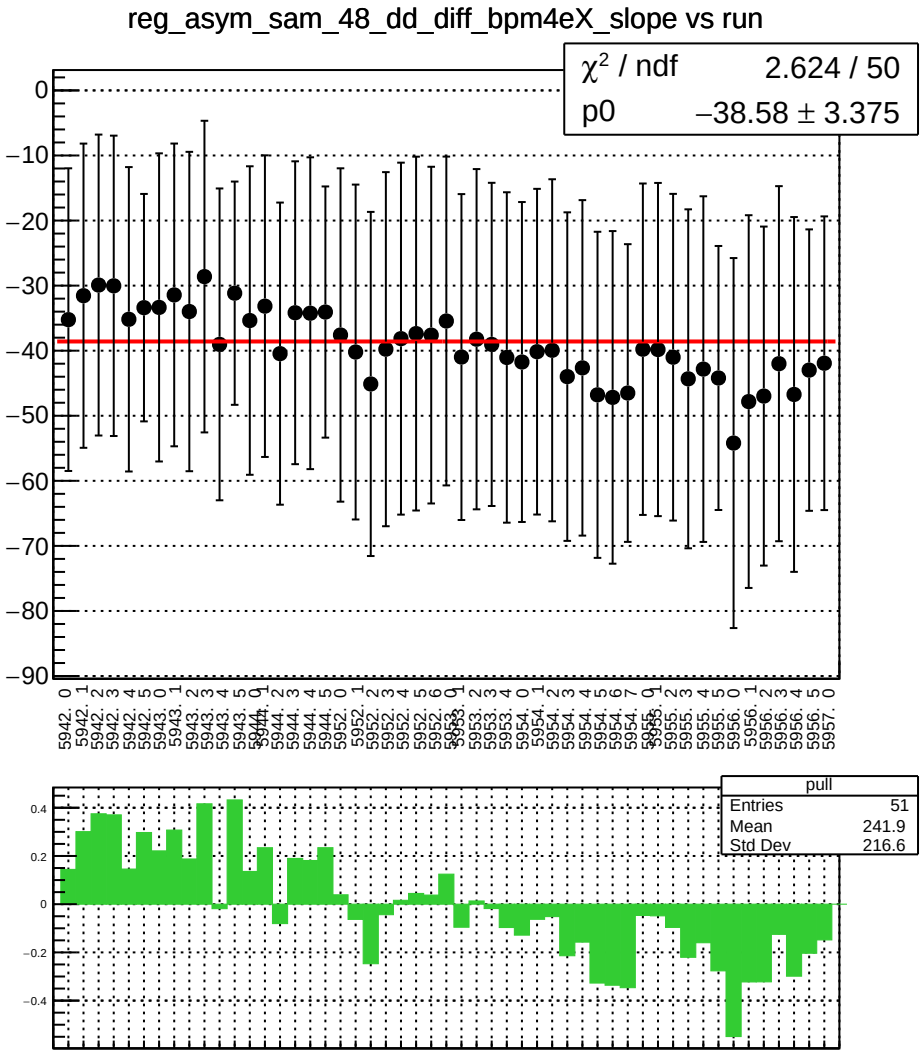

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 1.993 / 50
p0 −1.576 ± 0.1791
pull
Entries 51
Mean −8041
Std Dev 8066

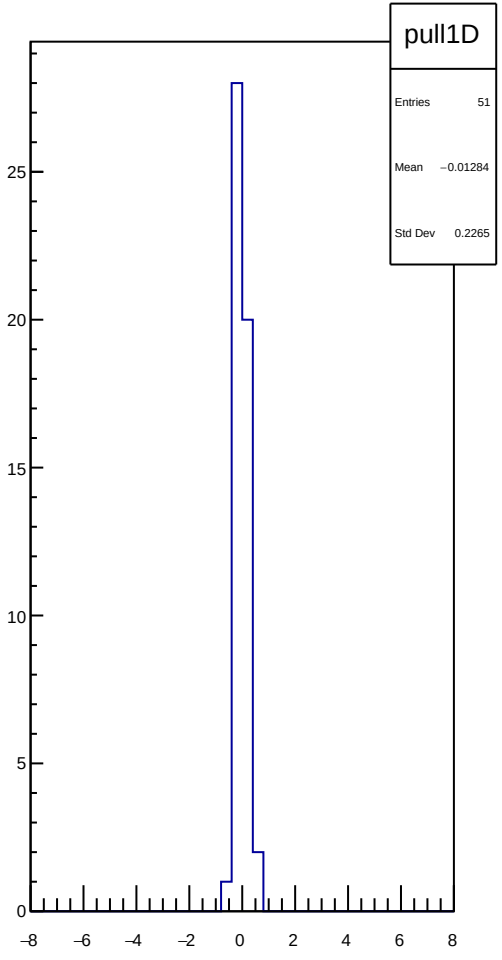

pull1D
Entries 51
Mean 0.0001417
Std Dev 0.1977

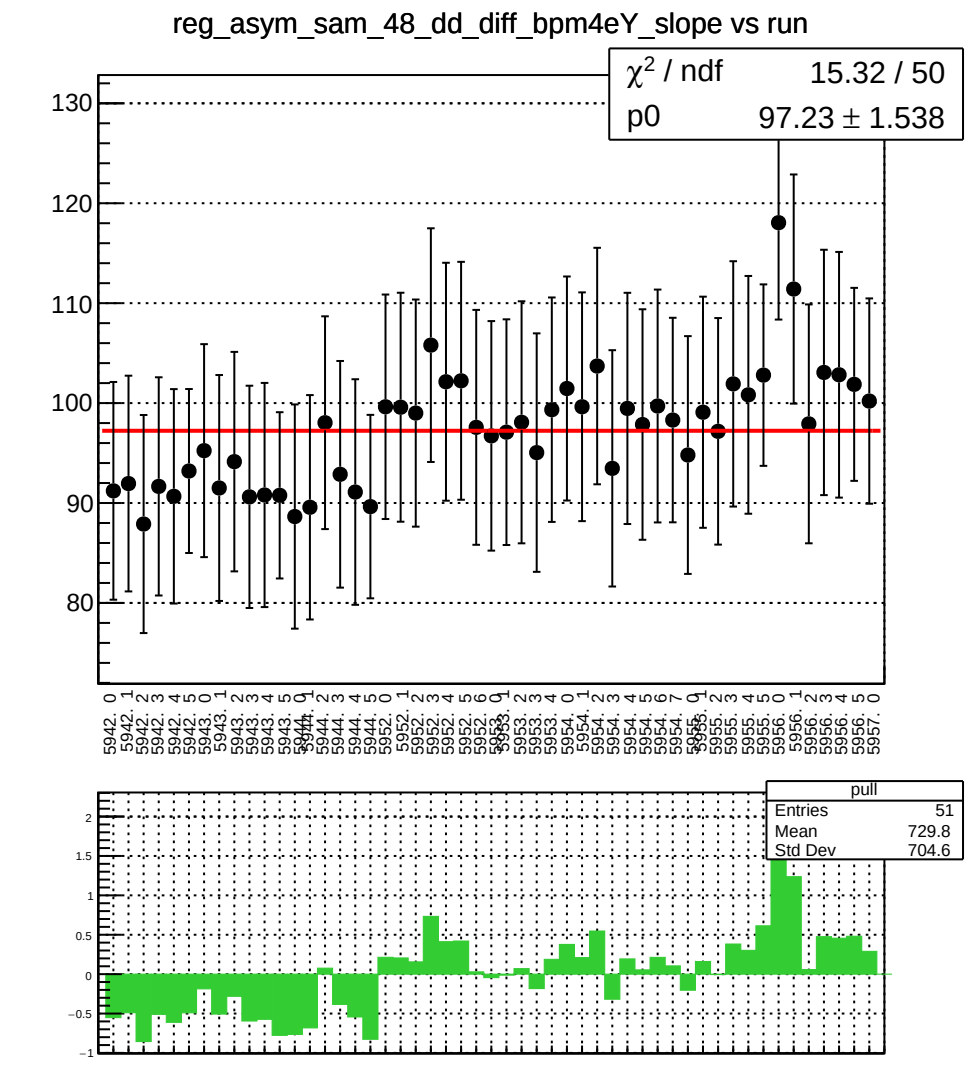

reg_asym_sam_48_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.8372 / 50
p0 −49.34 ± 3.18
pull
Entries 51
Mean 323.3
Std Dev 295.8
pull1D
Entries 51
Mean 0.003126
Std Dev 0.1281

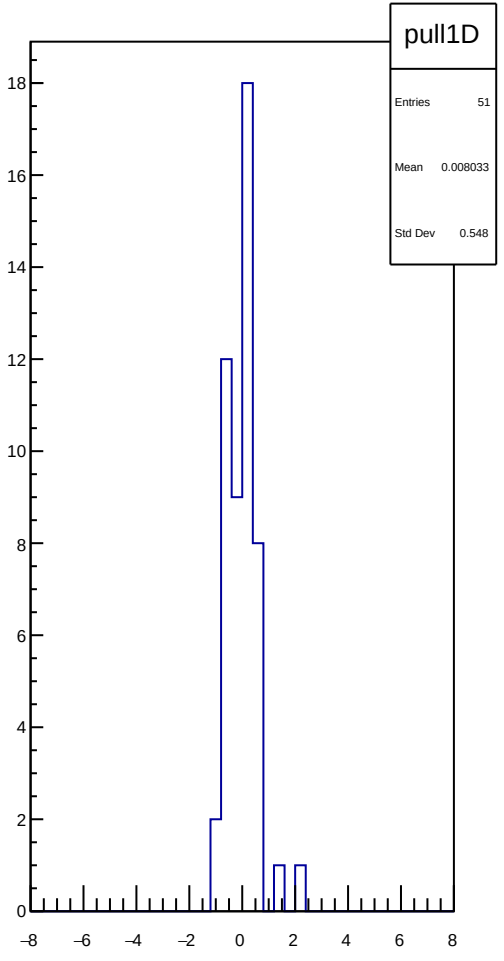

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.579 / 50
p0 28.31 ± 1.18
pull
Entries 51
Mean −2974
Std Dev 3000

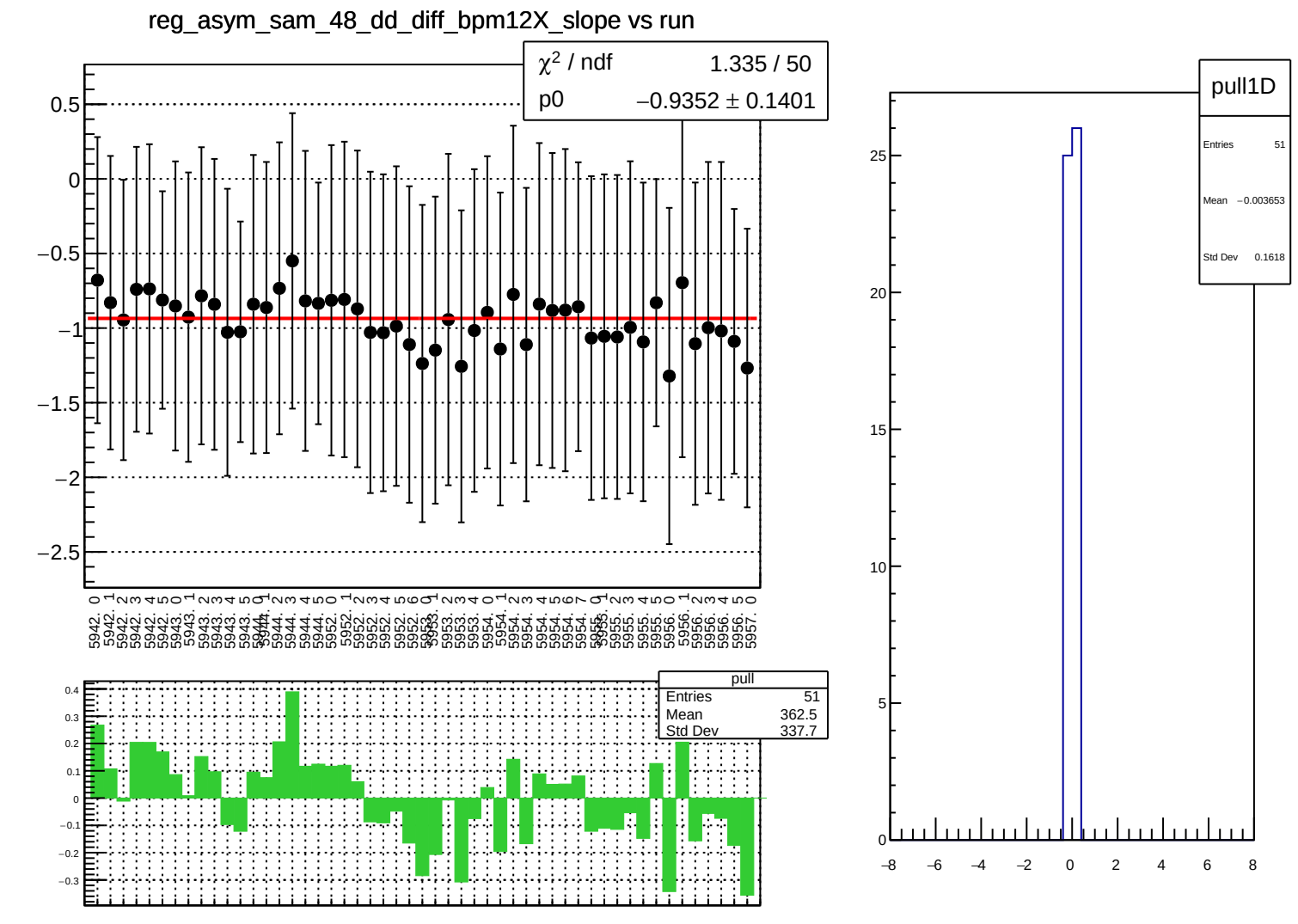

pull1D
Entries 51
Mean 0.0007896
Std Dev 0.3855

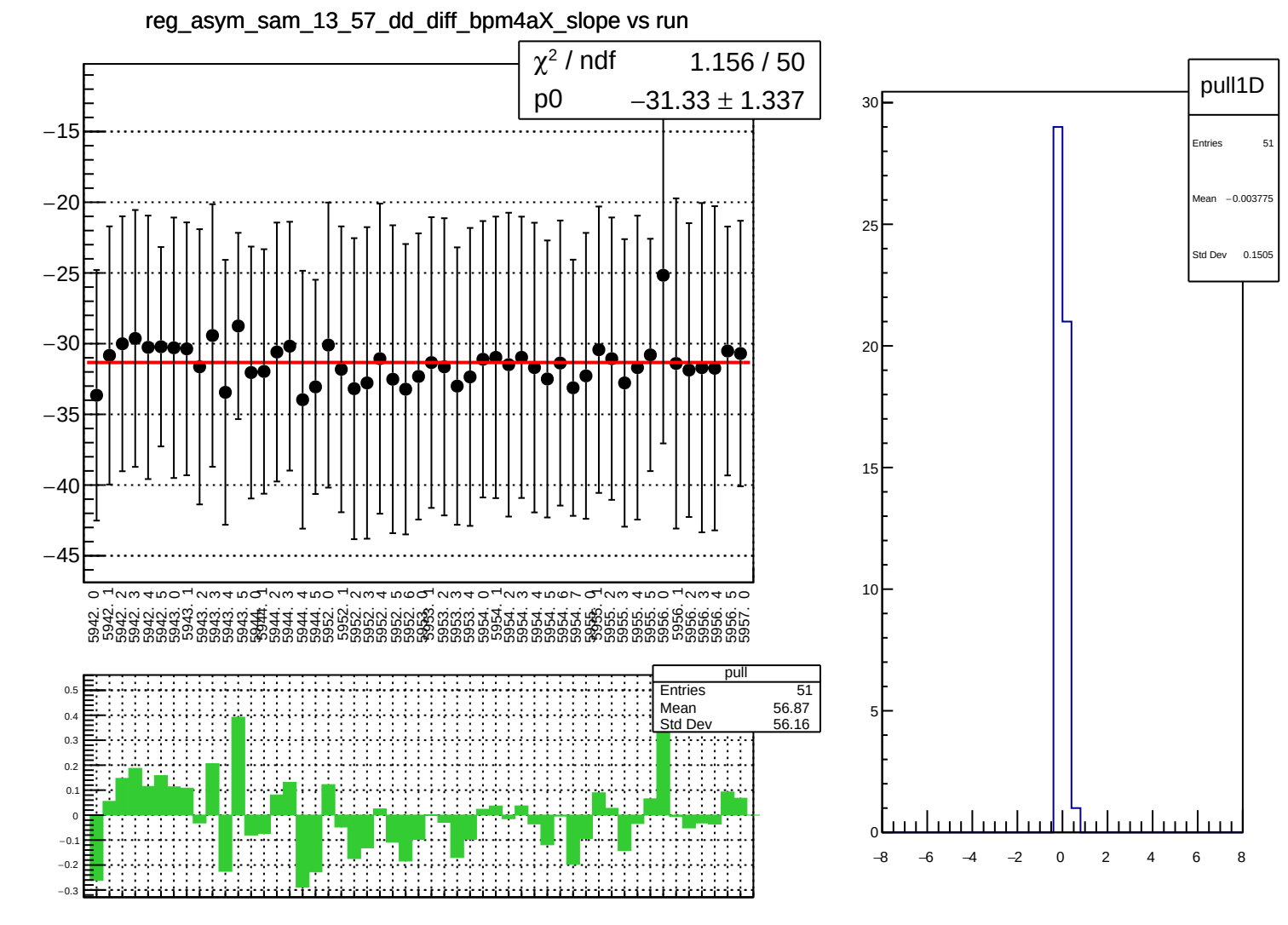

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.624 / 50
p0 −38.58 ± 3.375
pull
Entries 51
Mean 241.9
Std Dev 216.6

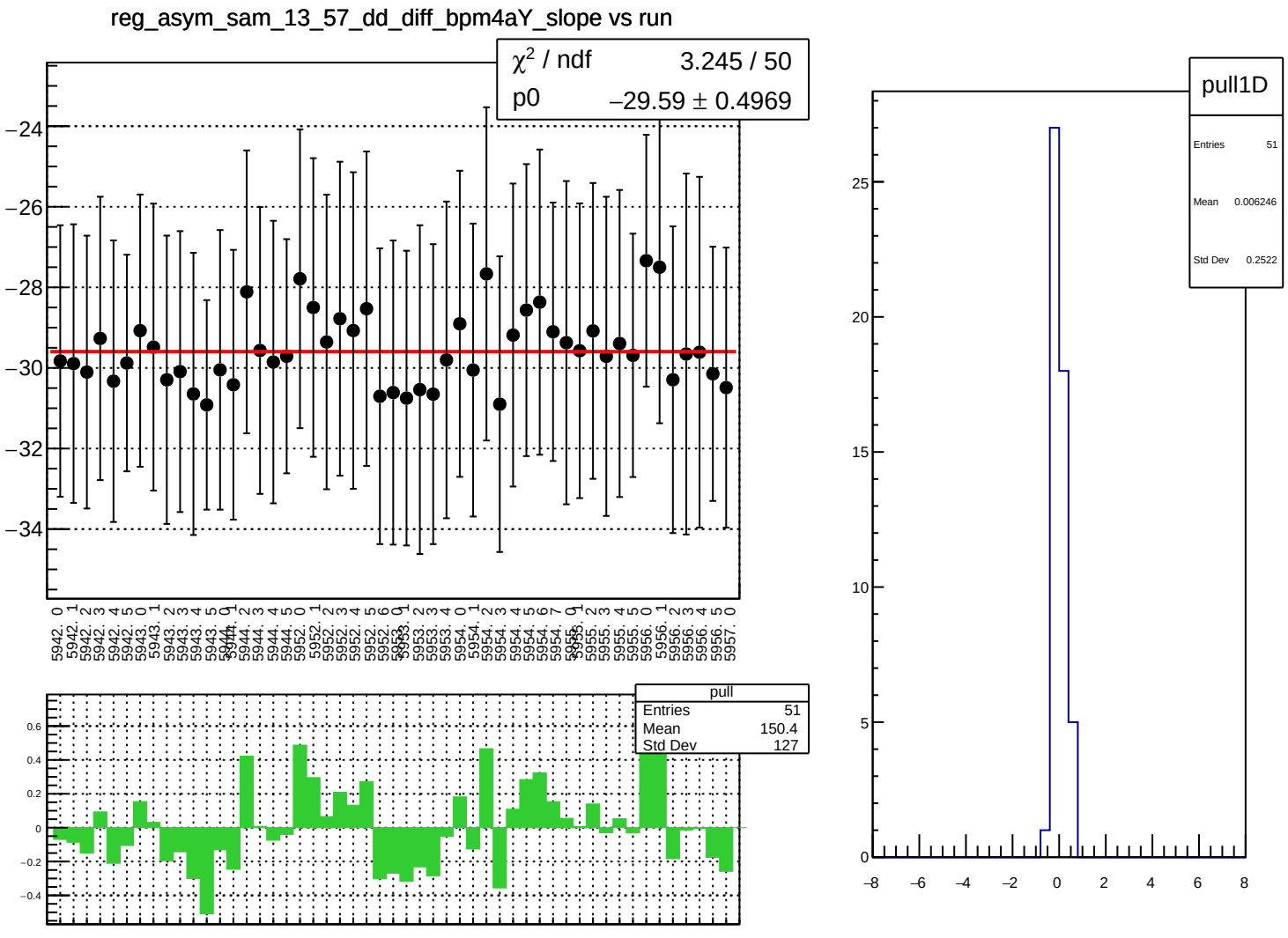

pull1D
Entries 51
Mean −0.01284
Std Dev 0.2265

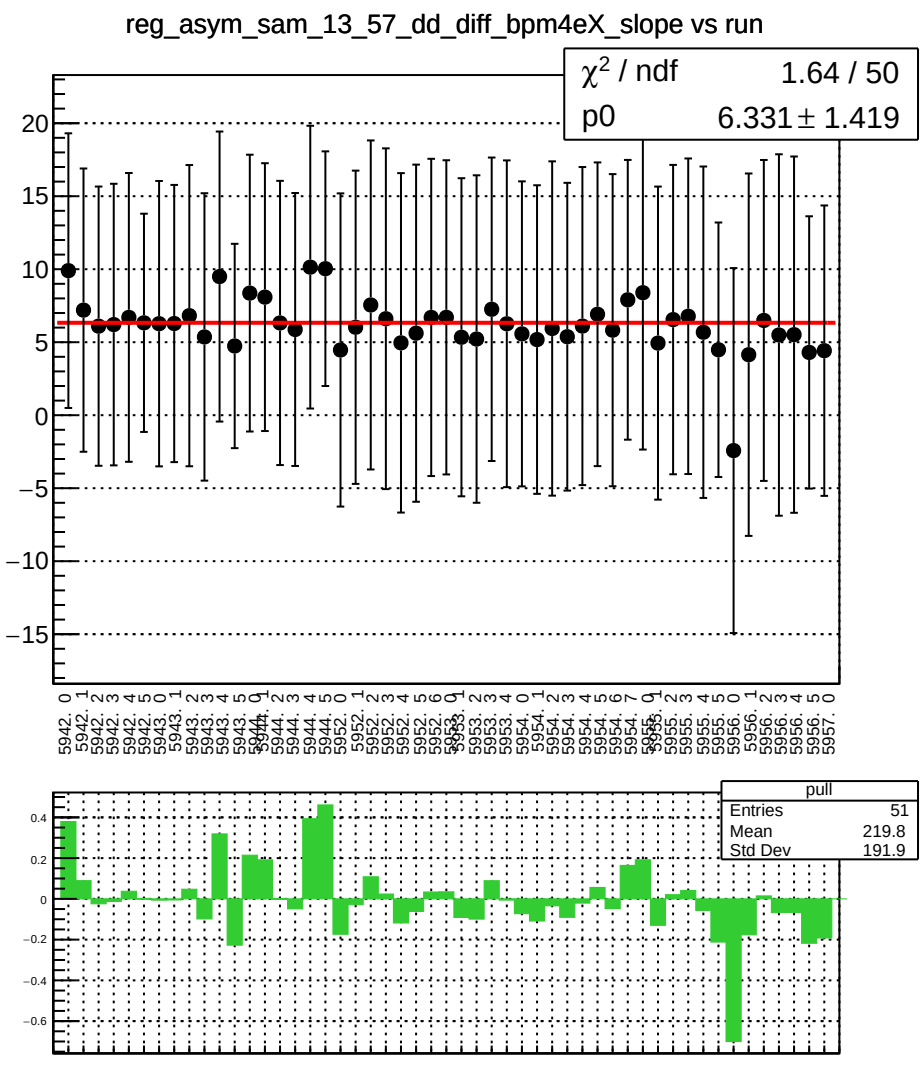

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.32 / 50
p0 97.23 ± 1.538
pull
Entries 51
Mean 729.8
Std Dev 704.6

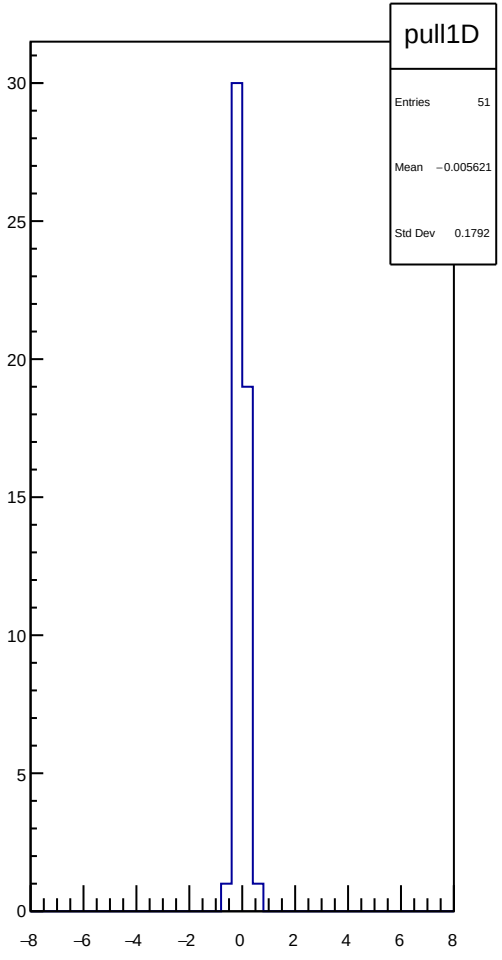

pull1D
Entries 51
Mean 0.008033
Std Dev 0.548

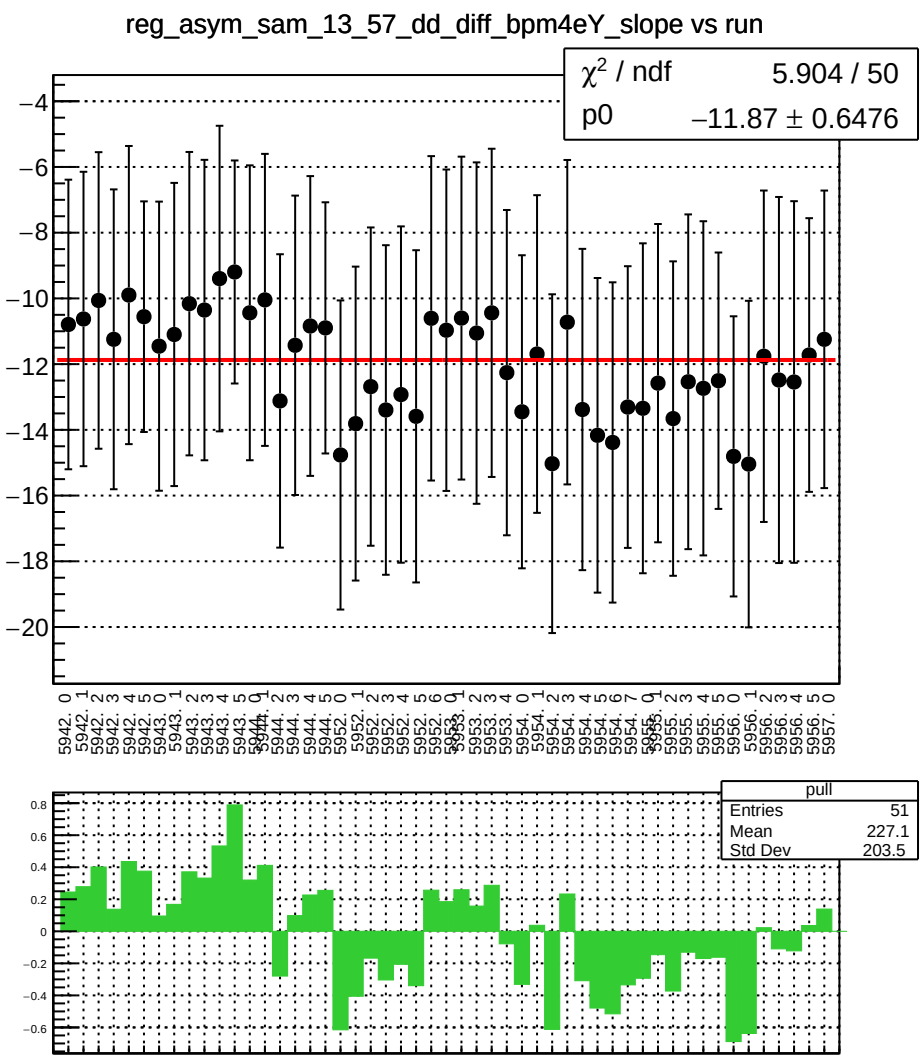

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 1.335 / 50
p0 −0.9352 ± 0.1401
pull
Entries 51
Mean 362.5
Std Dev 337.7
pull1D
Entries 51
Mean −0.003653
Std Dev 0.1618

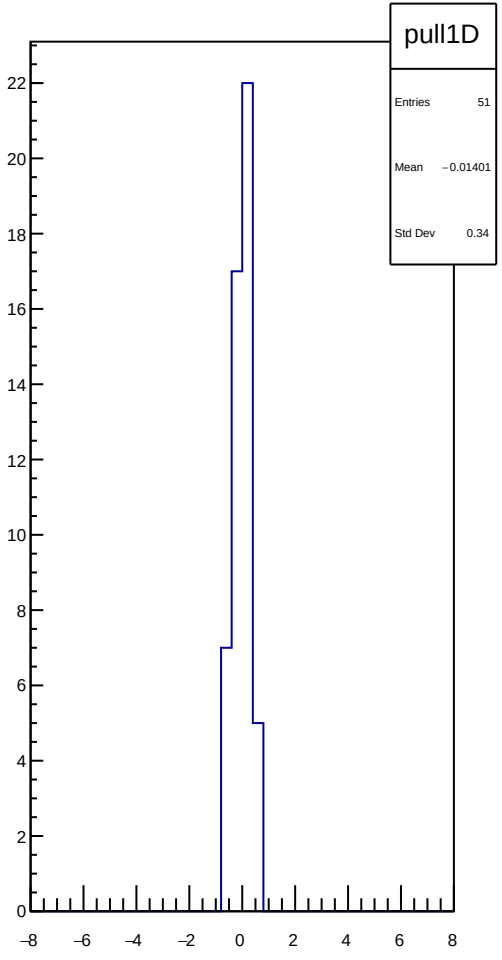

reg_asym_sam_13_57_dd_diff_bpm4aX_slope vs run
χ² / ndf 1.156 / 50
p0 −31.33 ± 1.337
pull
Entries 51
Mean 56.87
Std Dev 56.16
pull1D
Entries 51
Mean −0.003775
Std Dev 0.1505

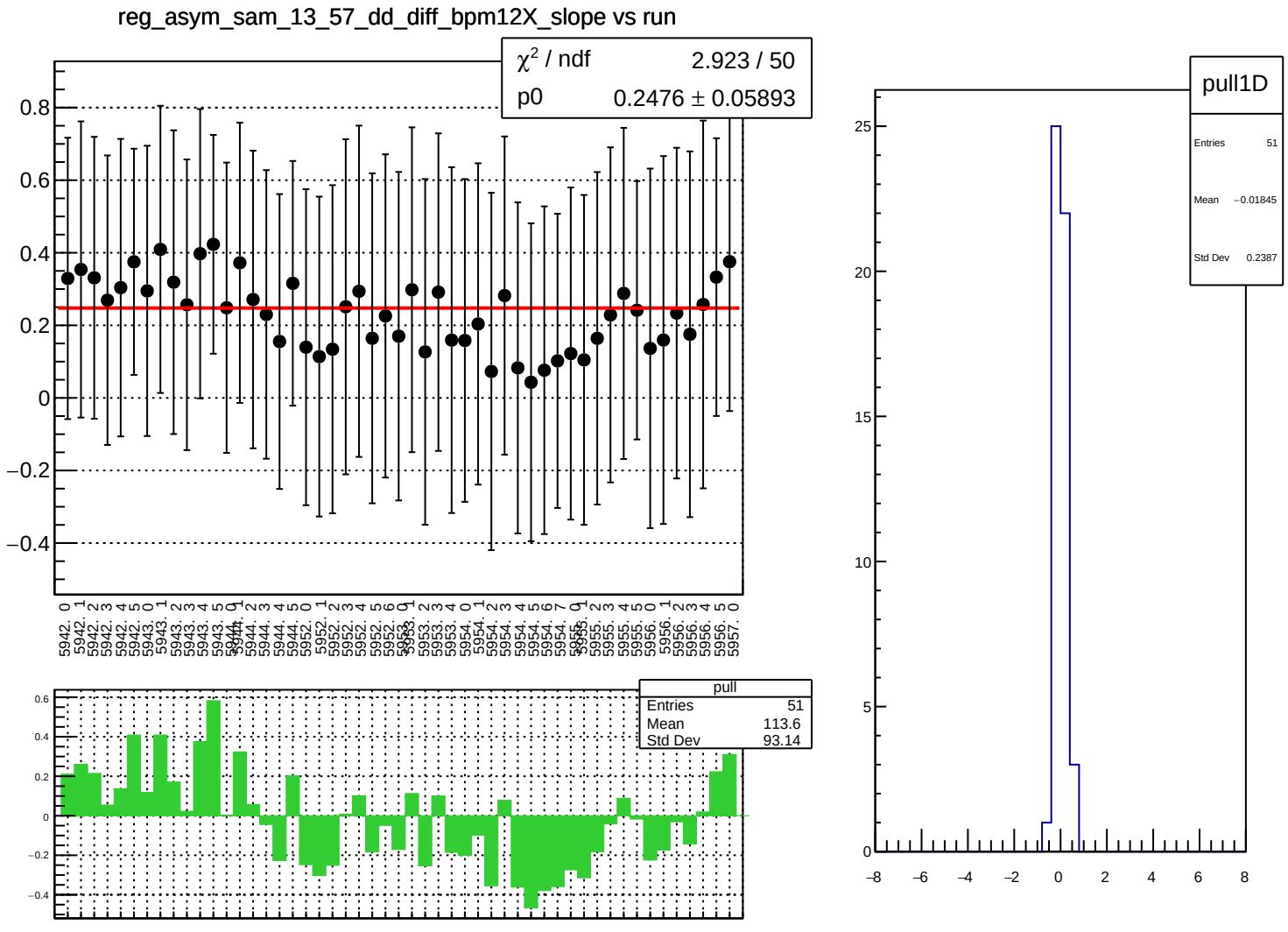

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.245 / 50
p0 −29.59 ± 0.4969
pull
Entries 51
Mean 150.4
Std Dev 127
pull1D
Entries 51
Mean 0.006246
Std Dev 0.2522

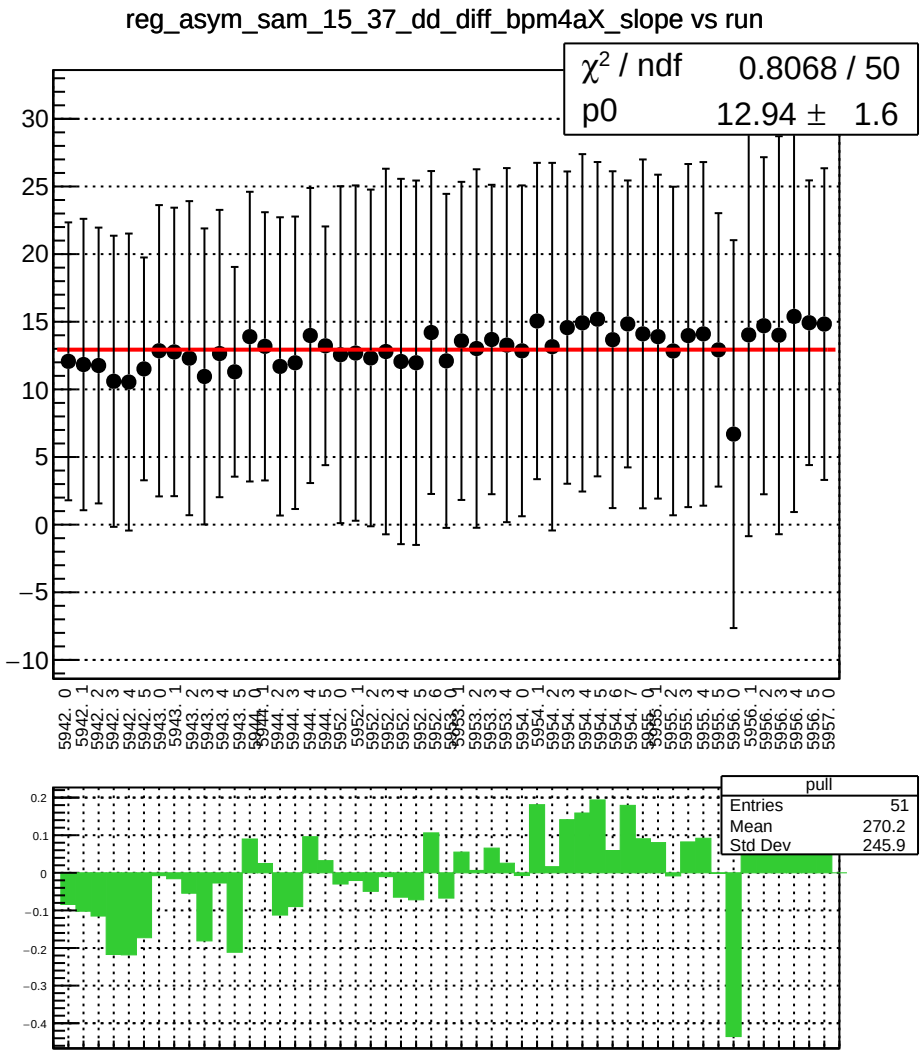

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.64 / 50
p0 6.331 ± 1.419
pull
Entries 51
Mean 219.8
Std Dev 191.9

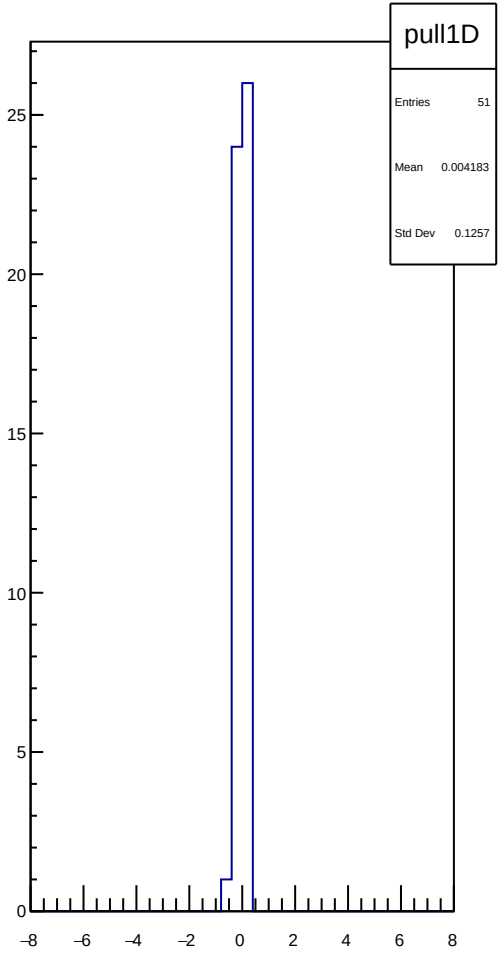

pull1D
Entries 51
Mean −0.005621
Std Dev 0.1792

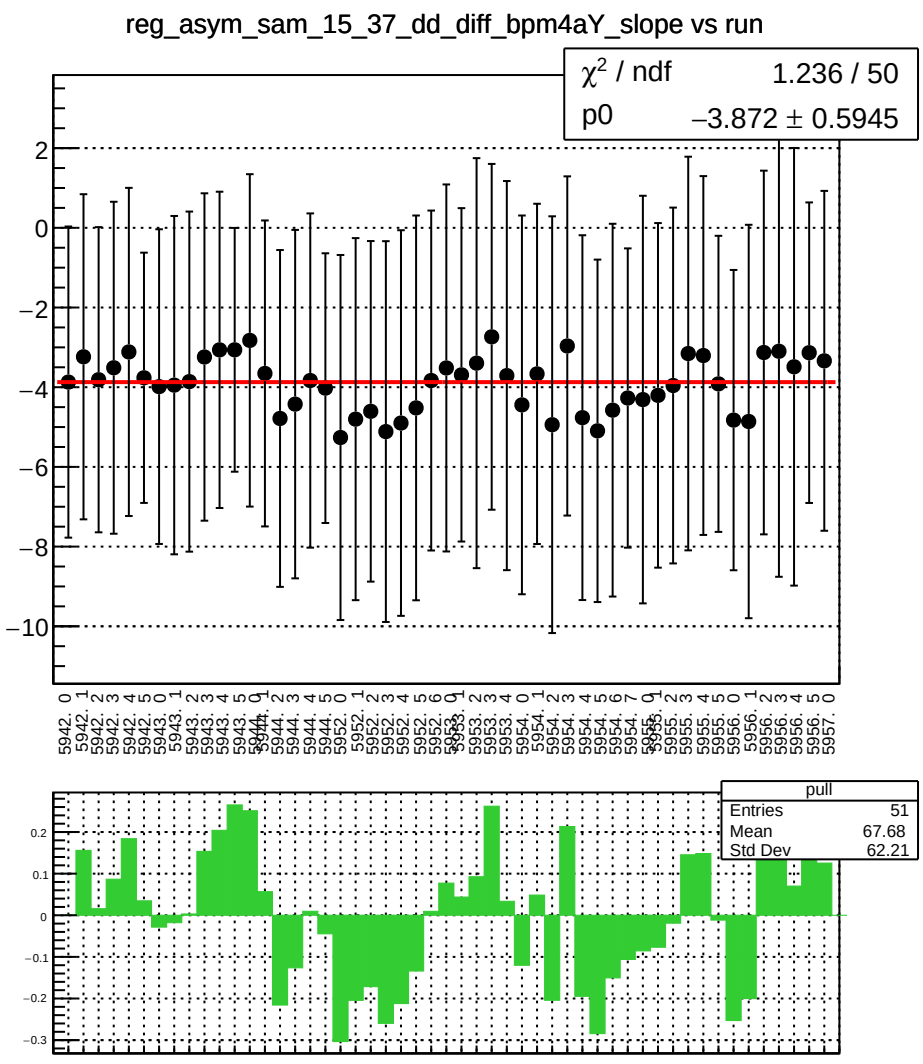

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.904 / 50
p0 −11.87 ± 0.6476
pull
Entries 51
Mean 227.1
Std Dev 203.5

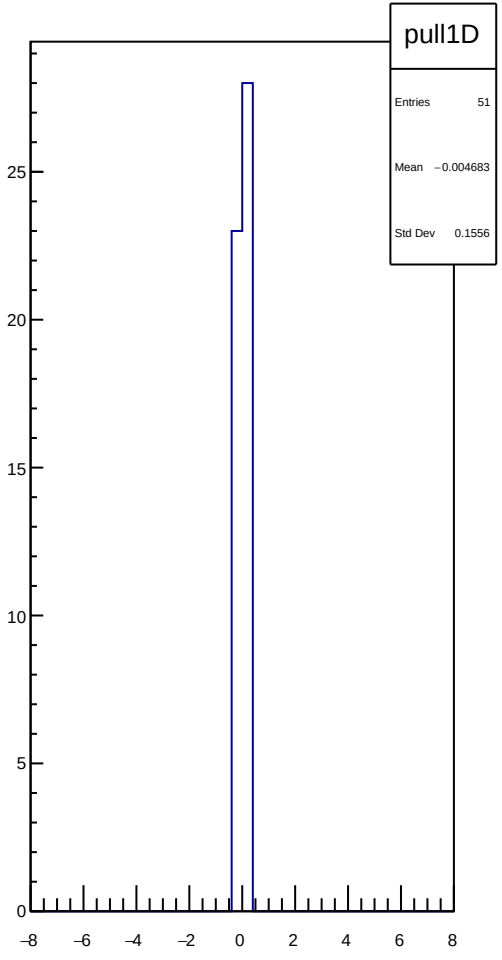

pull1D
Entries 51
Mean −0.01401
Std Dev 0.34

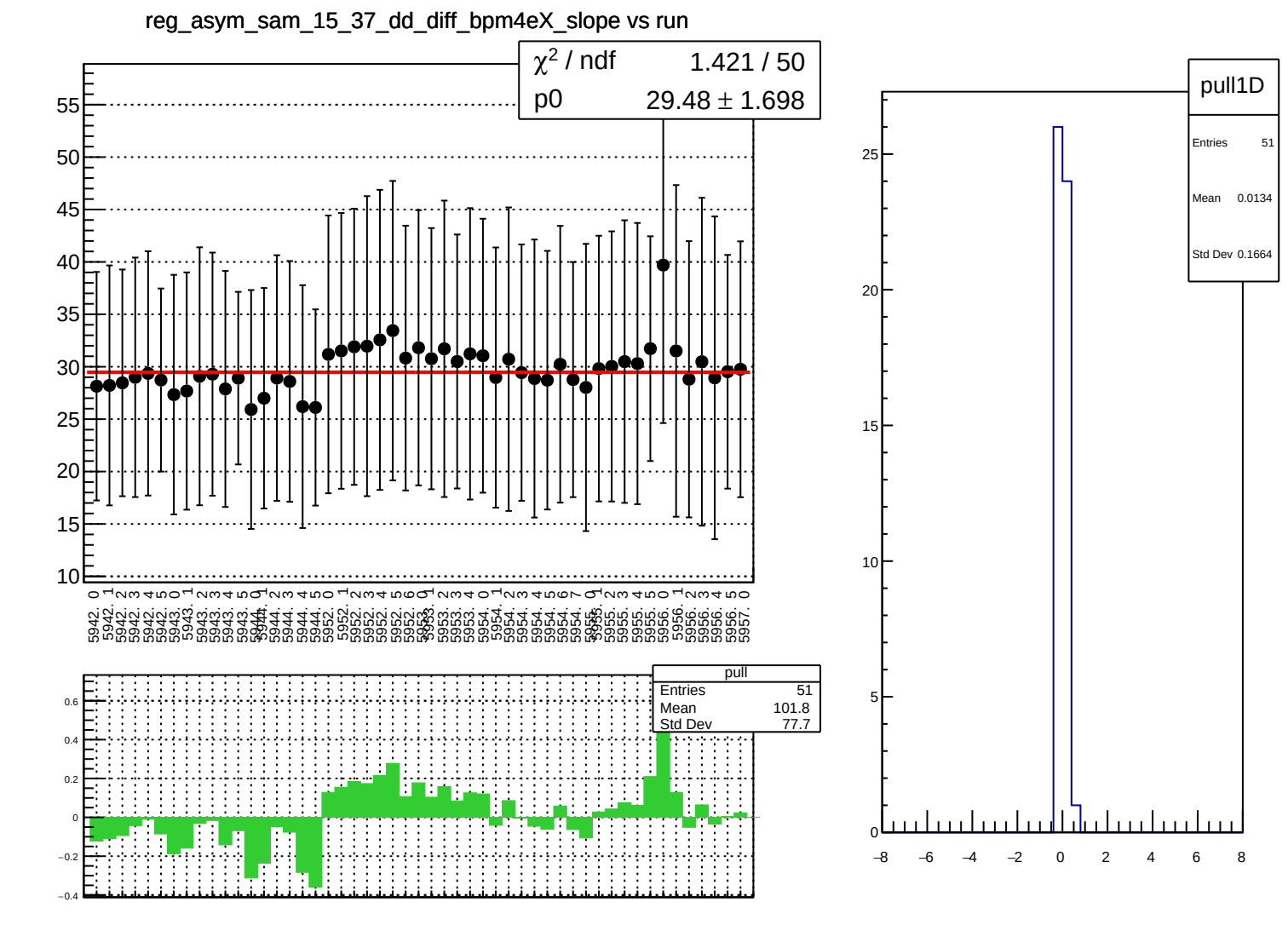

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 2.923 / 50
p0 0.2476 ± 0.05893
pull
Entries 51
Mean 113.6
Std Dev 93.14
pull1D
Entries 51
Mean −0.01845
Std Dev 0.2387

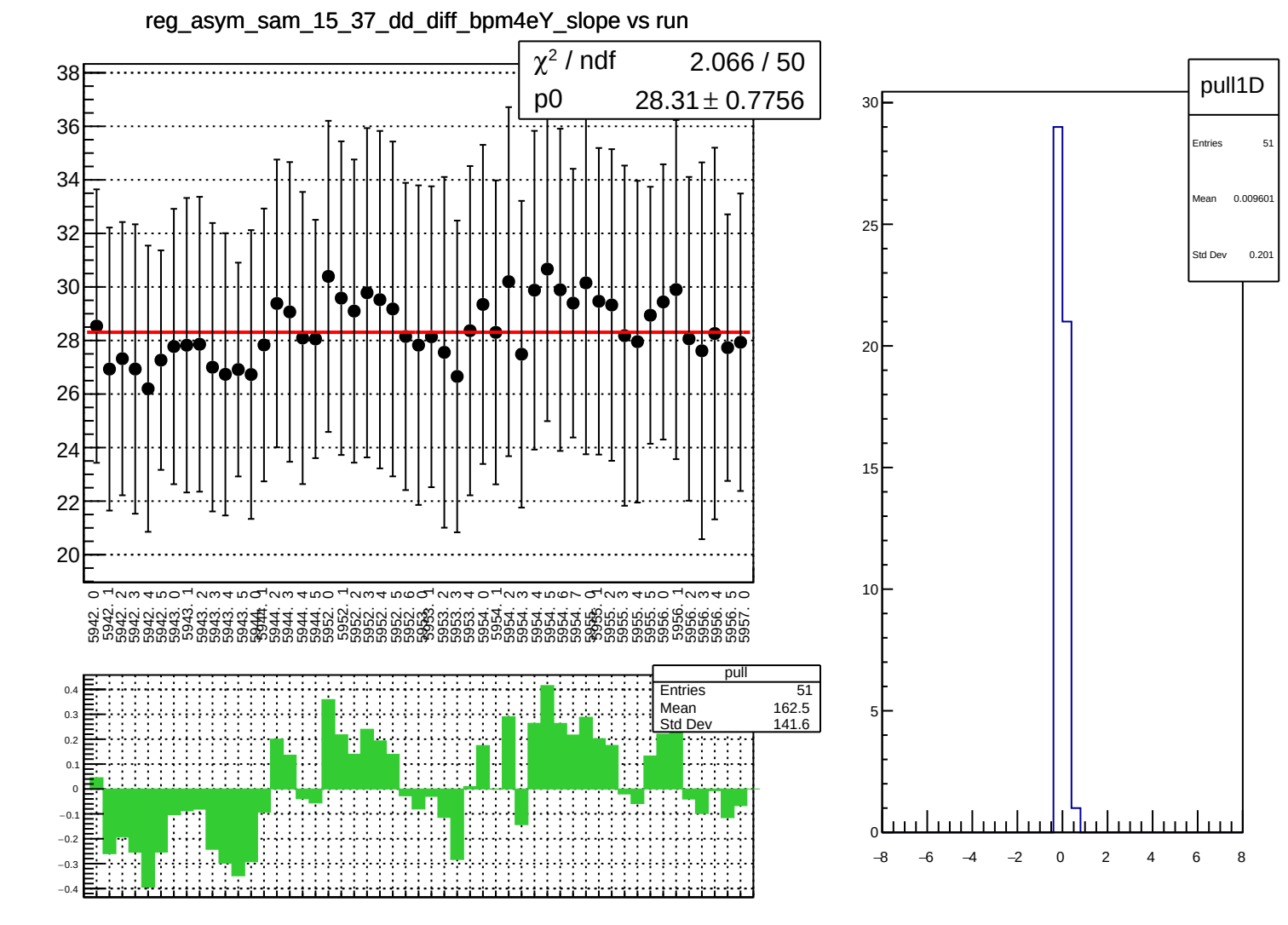

reg_asym_sam_15_37_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.8068 / 50
p0 12.94 ± 1.6
pull
Entries 51
Mean 270.2
Std Dev 245.9

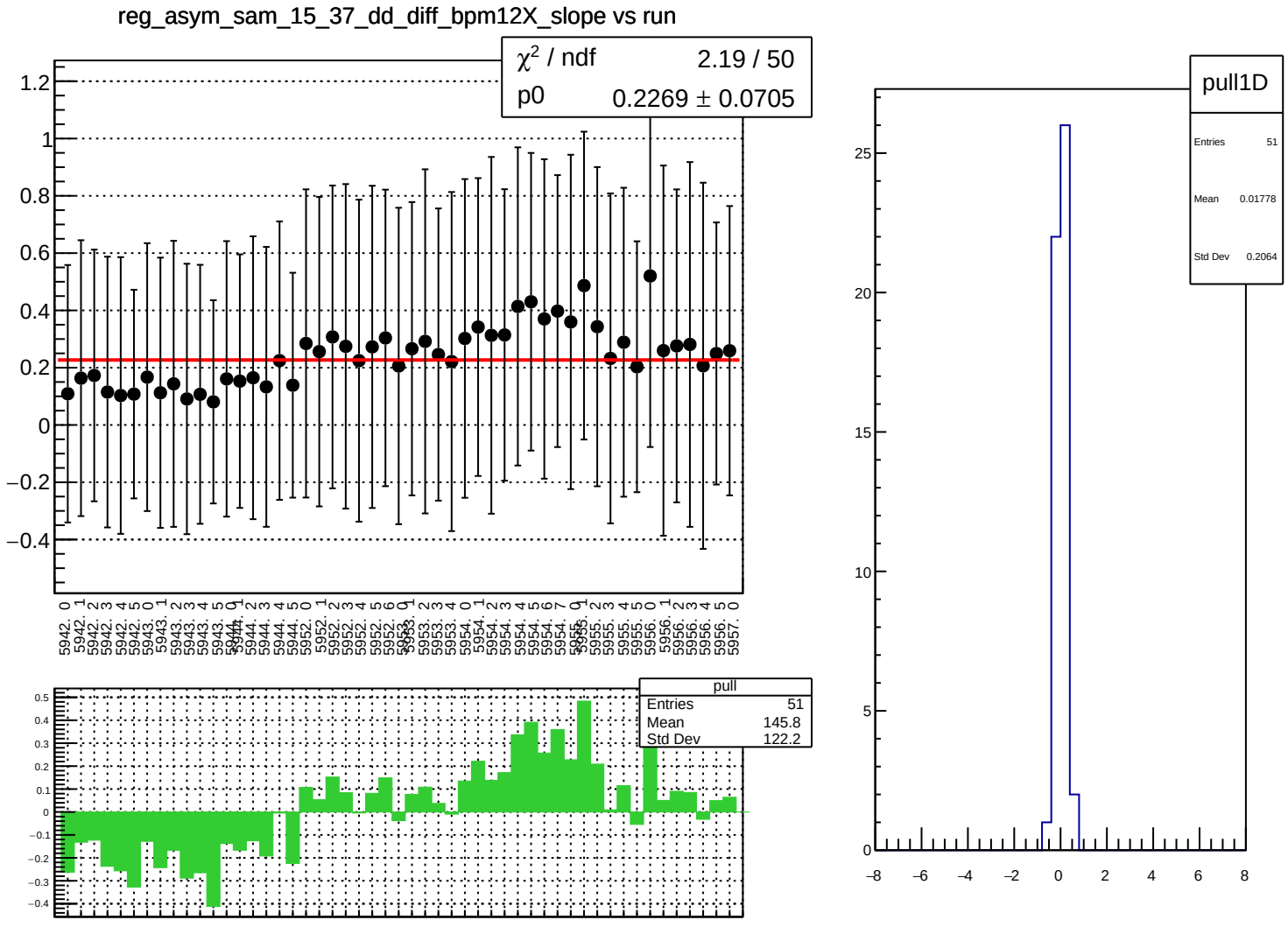

pull1D
Entries 51
Mean 0.004183
Std Dev 0.1257

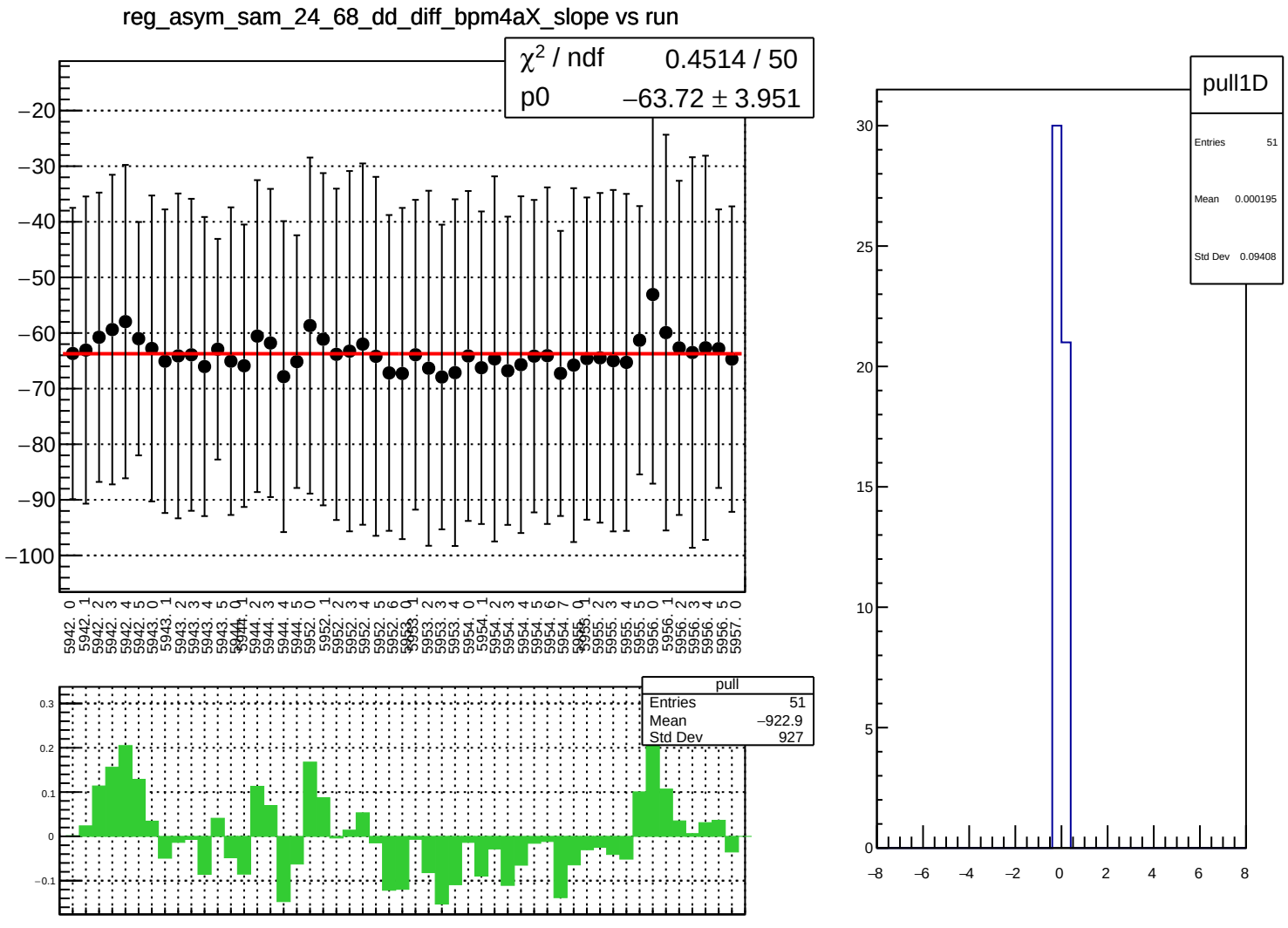

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.236 / 50
p0 −3.872 ± 0.5945
pull
Entries 51
Mean 67.68
Std Dev 62.21

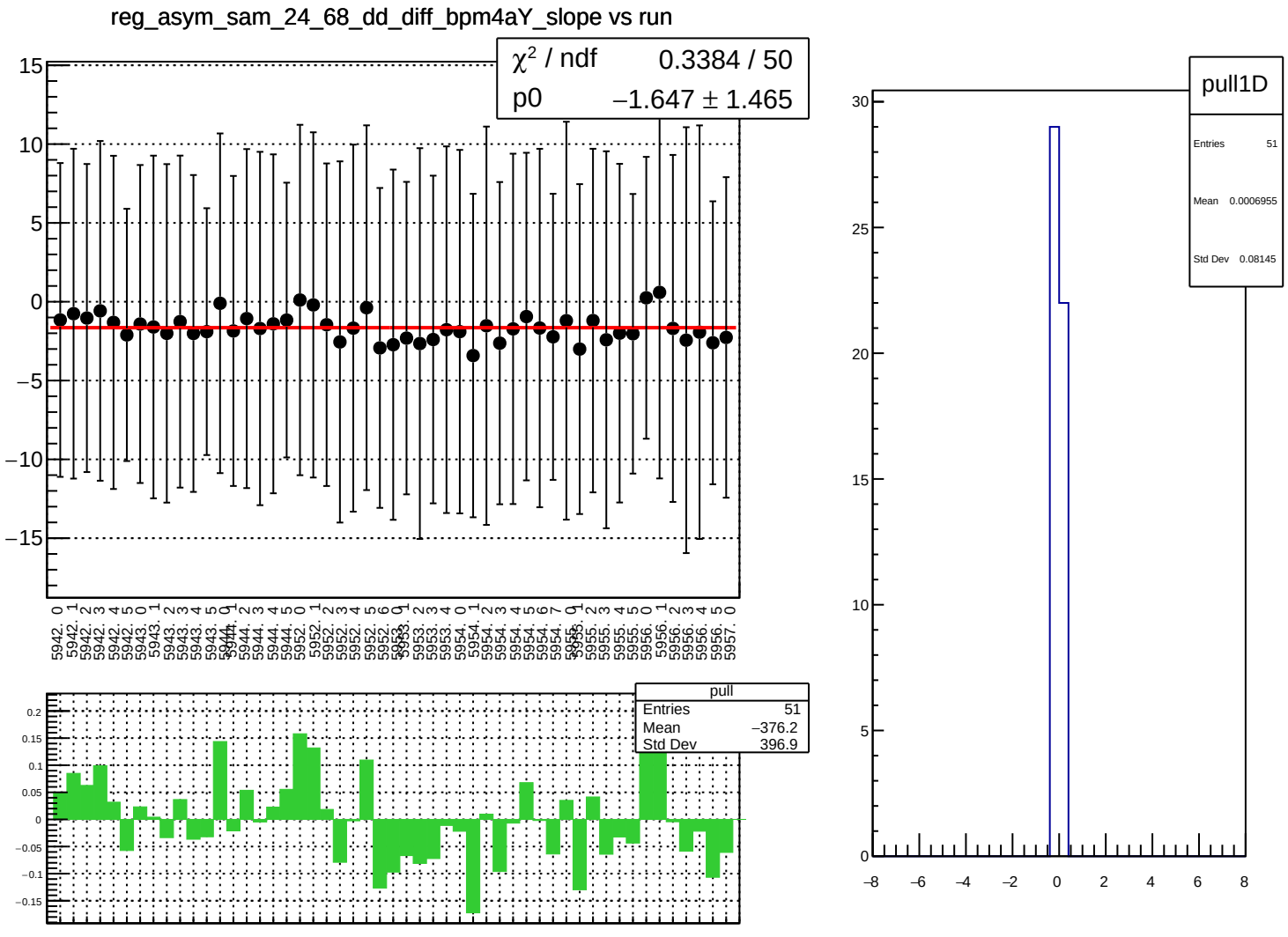

pull1D
Entries 51
Mean −0.004683
Std Dev 0.1556

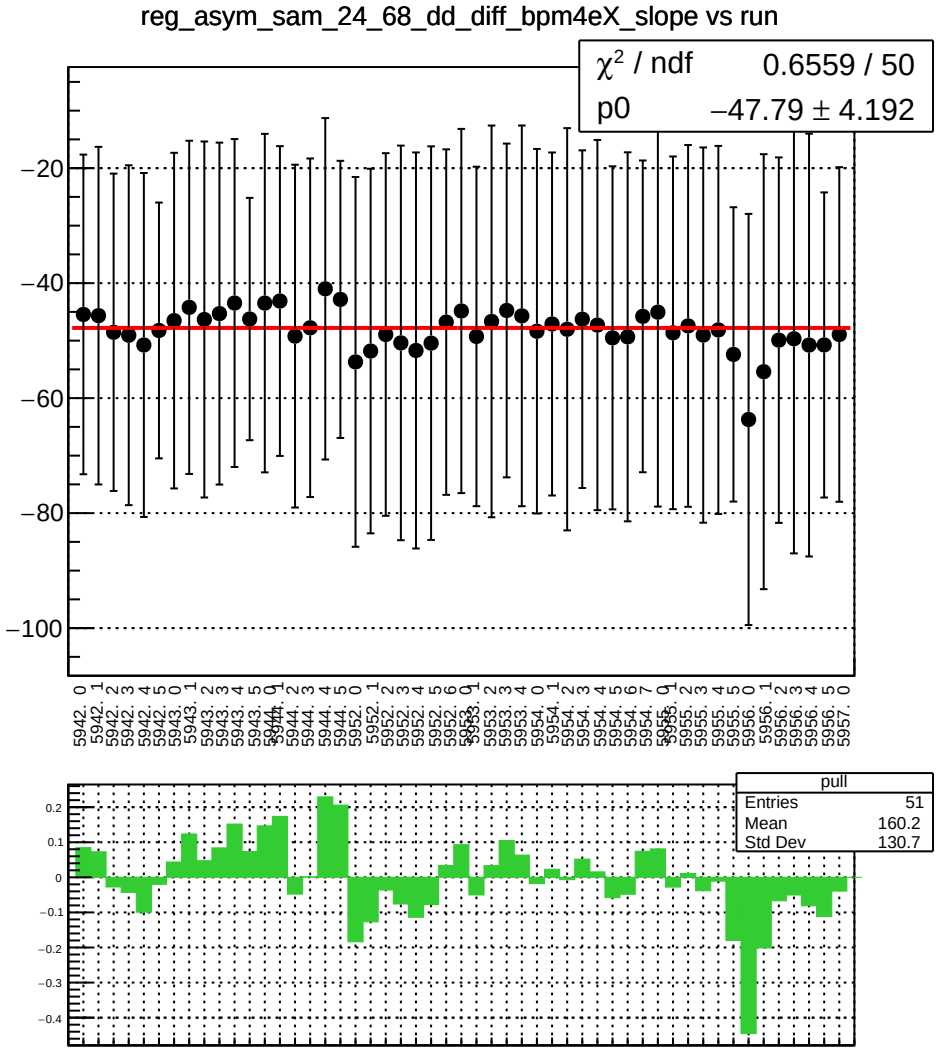

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.421 / 50
p0 29.48 ± 1.698
pull
Entries 51
Mean 101.8
Std Dev 77.7
pull1D
Entries 51
Mean 0.0134
Std Dev 0.1664

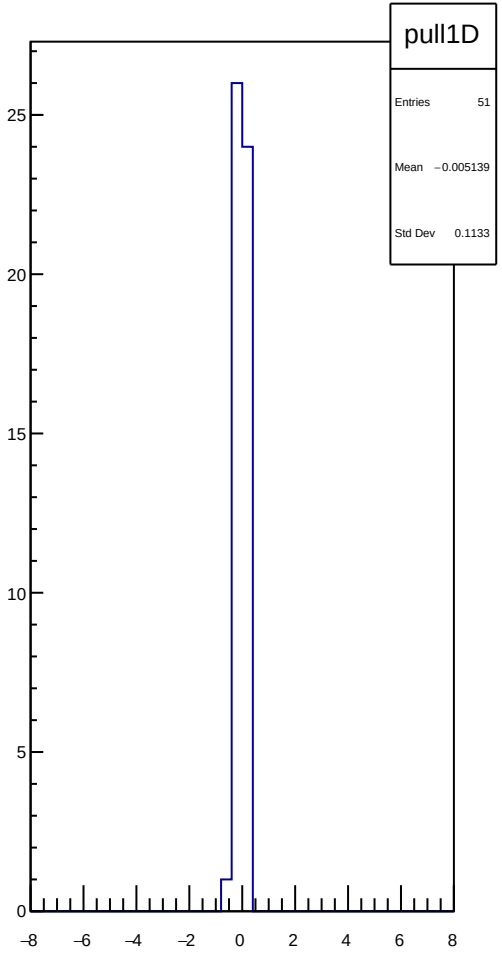

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.066 / 50
p0 28.31 ± 0.7756
pull
Entries 51
Mean 162.5
Std Dev 141.6
pull1D
Entries 51
Mean 0.009601
Std Dev 0.201

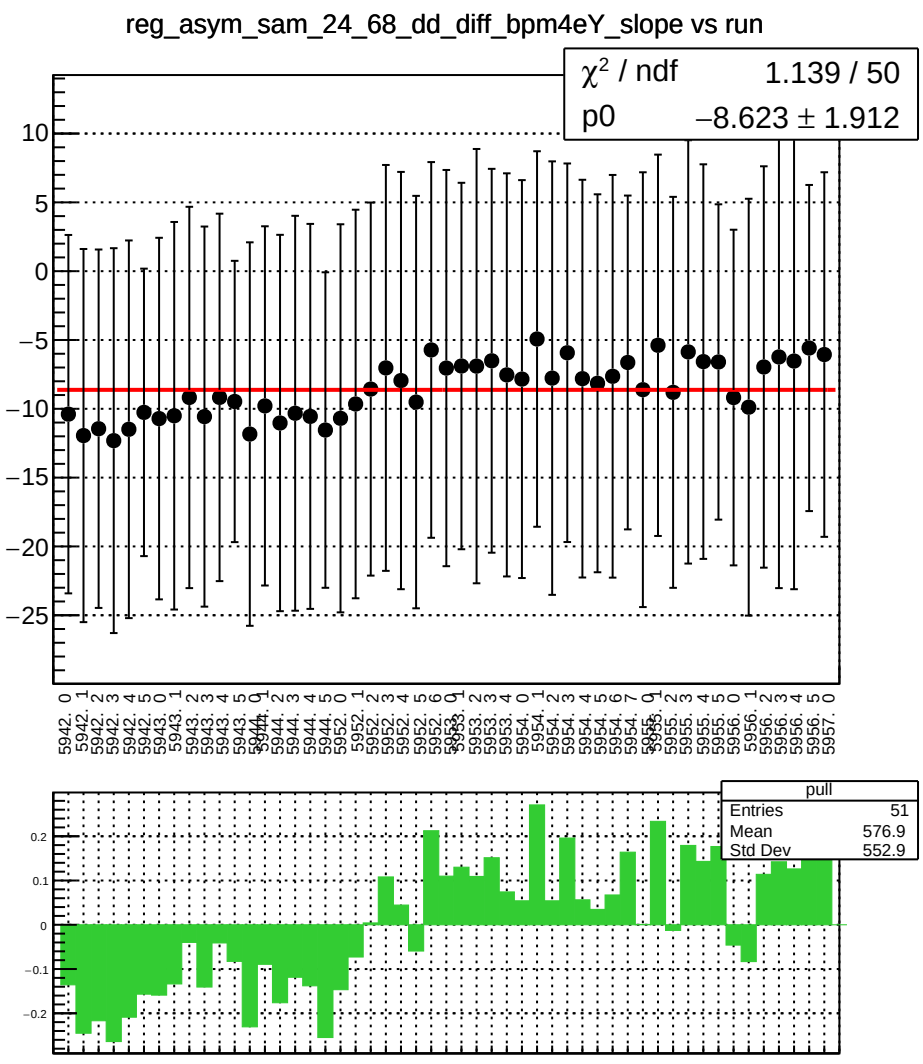

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 2.19 / 50
p0 0.2269 ± 0.0705
pull
Entries 51
Mean 145.8
Std Dev 122.2
pull1D
Entries 51
Mean 0.01778
Std Dev 0.2064

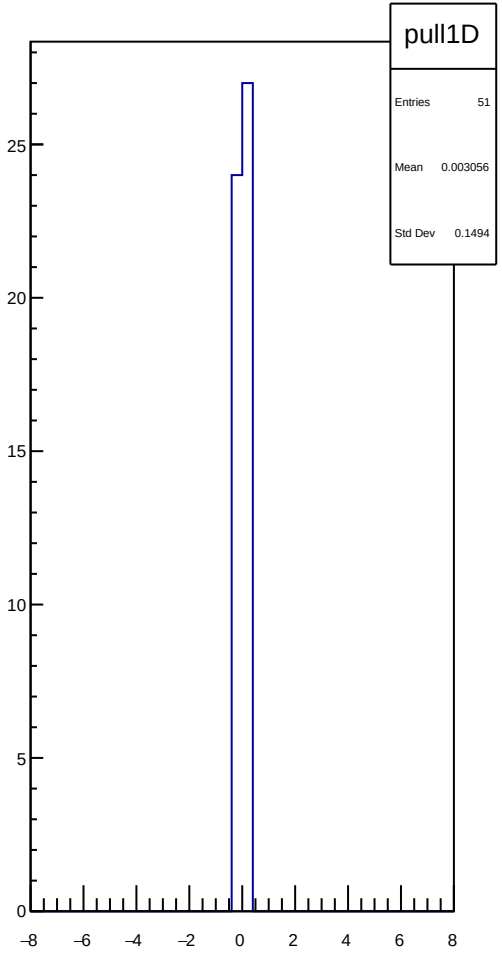

reg_asym_sam_24_68_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.4514 / 50
p0 −63.72 ± 3.951
pull
Entries 51
Mean −922.9
Std Dev 927
pull1D
Entries 51
Mean 0.000195
Std Dev 0.09408

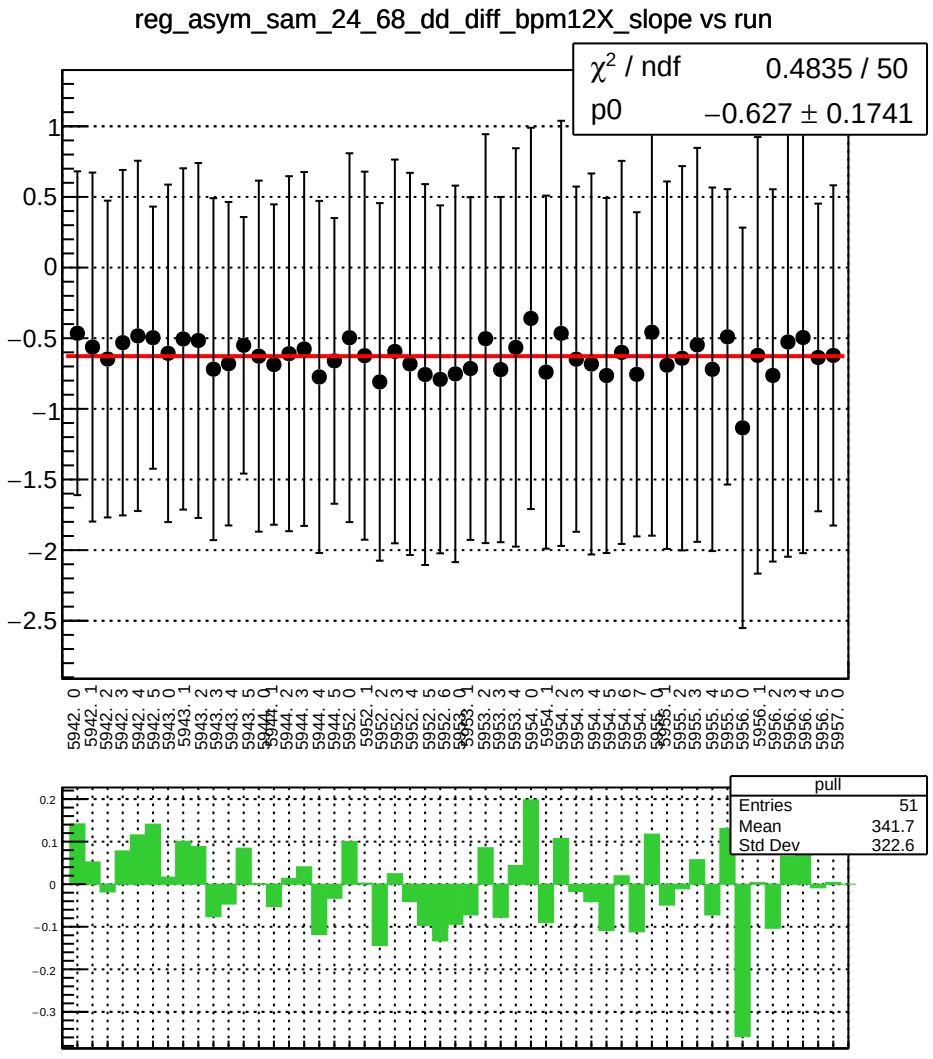

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.3384 / 50
p0 −1.647 ± 1.465
pull
Entries 51
Mean −376.2
Std Dev 396.9
pull1D
Entries 51
Mean 0.0006955
Std Dev 0.08145

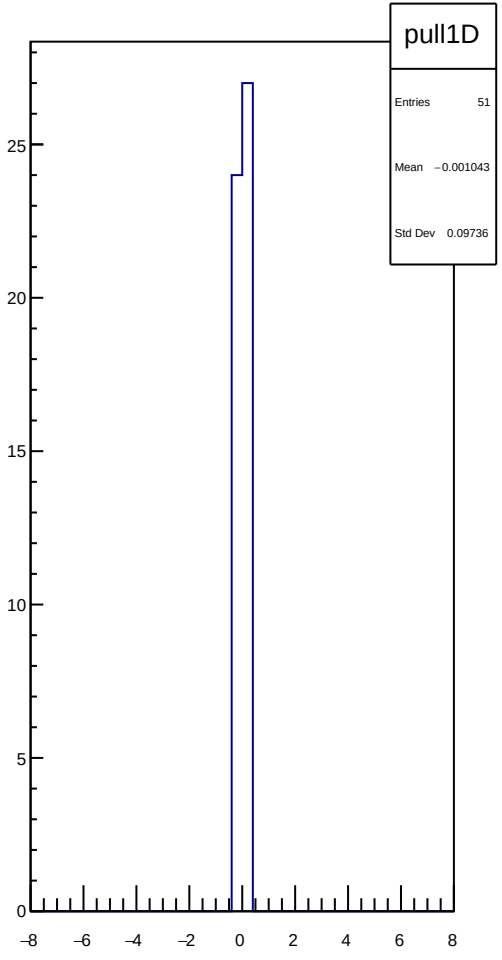

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.6559 / 50
p0 −47.79 ± 4.192
pull
Entries 51
Mean 160.2
Std Dev 130.7

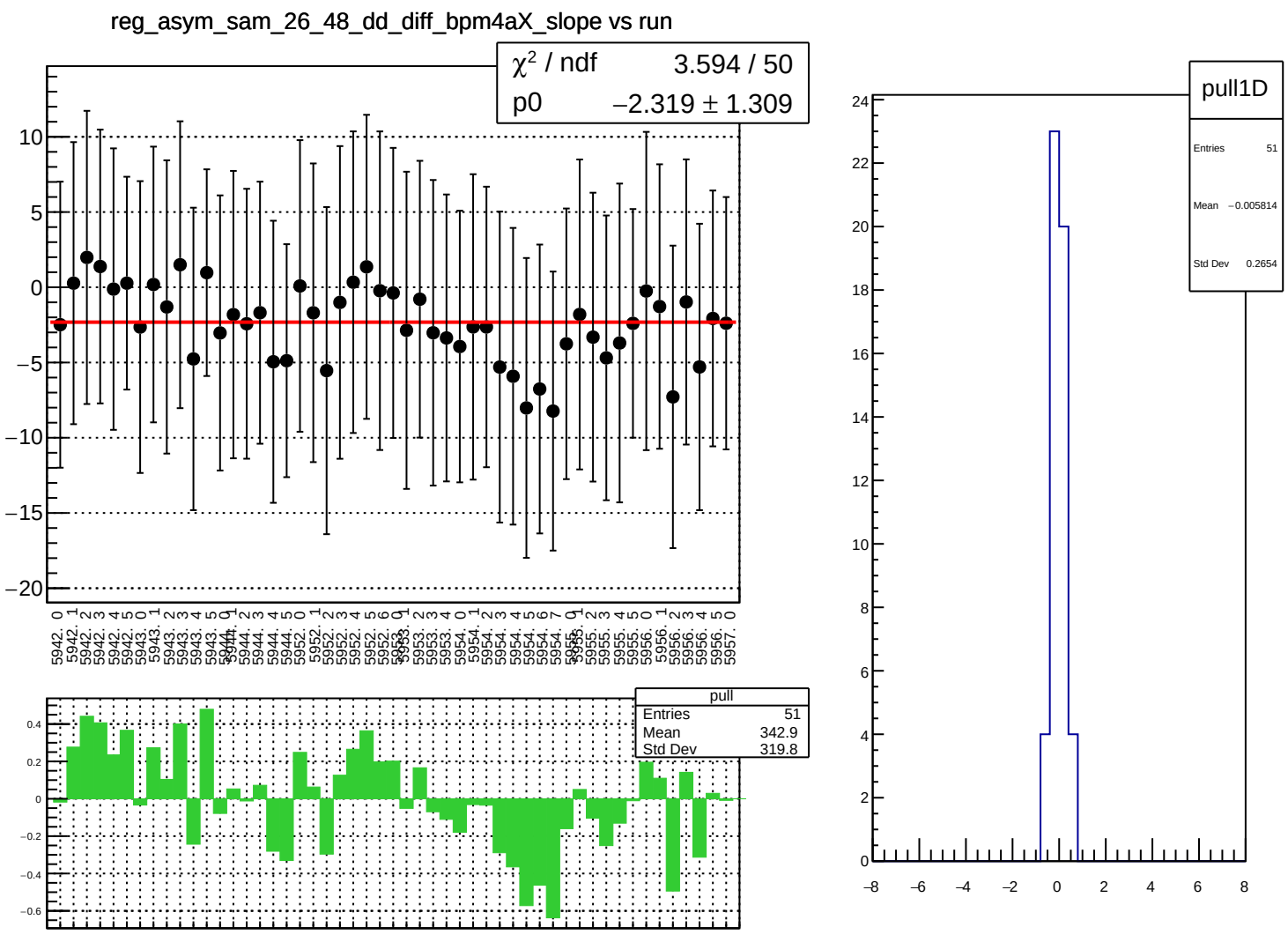

pull1D
Entries 51
Mean −0.005139
Std Dev 0.1133

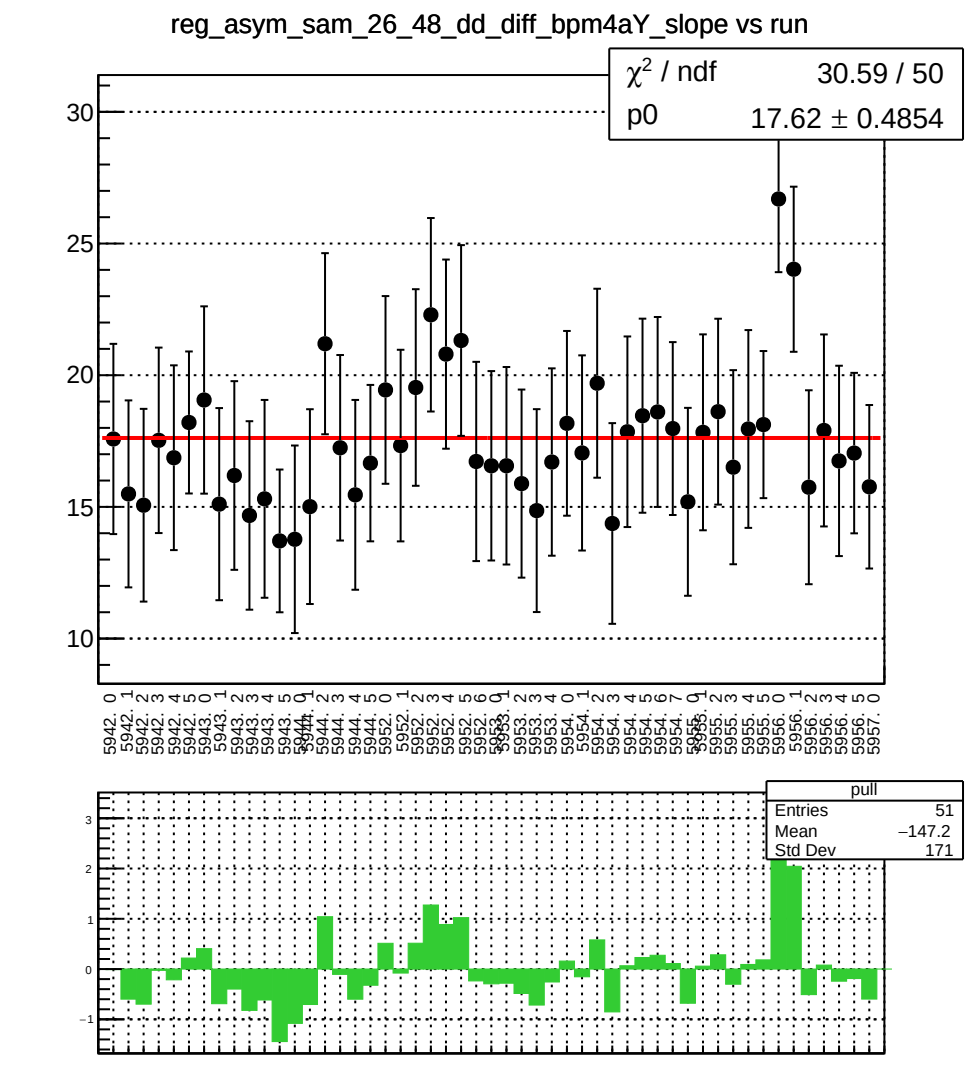

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.139 / 50
p0 −8.623 ± 1.912
pull
Entries 51
Mean 576.9
Std Dev 552.9

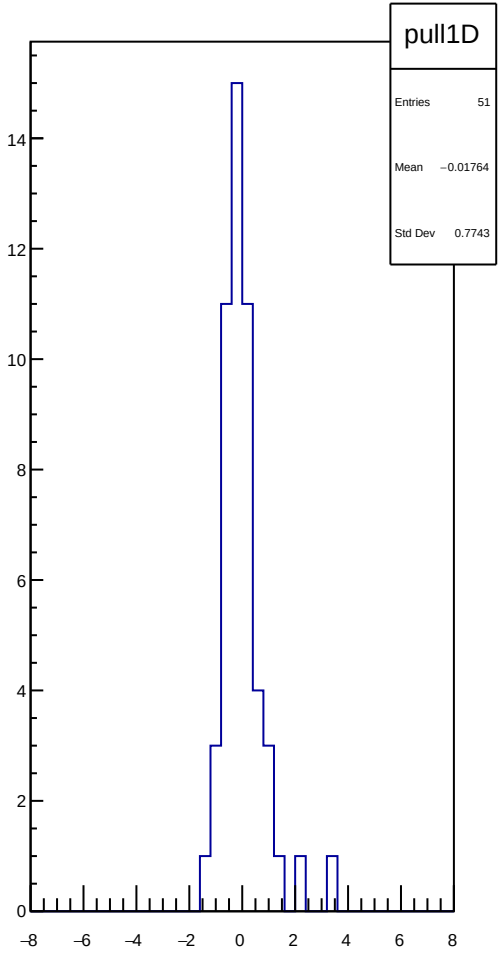

pull1D
Entries 51
Mean 0.003056
Std Dev 0.1494

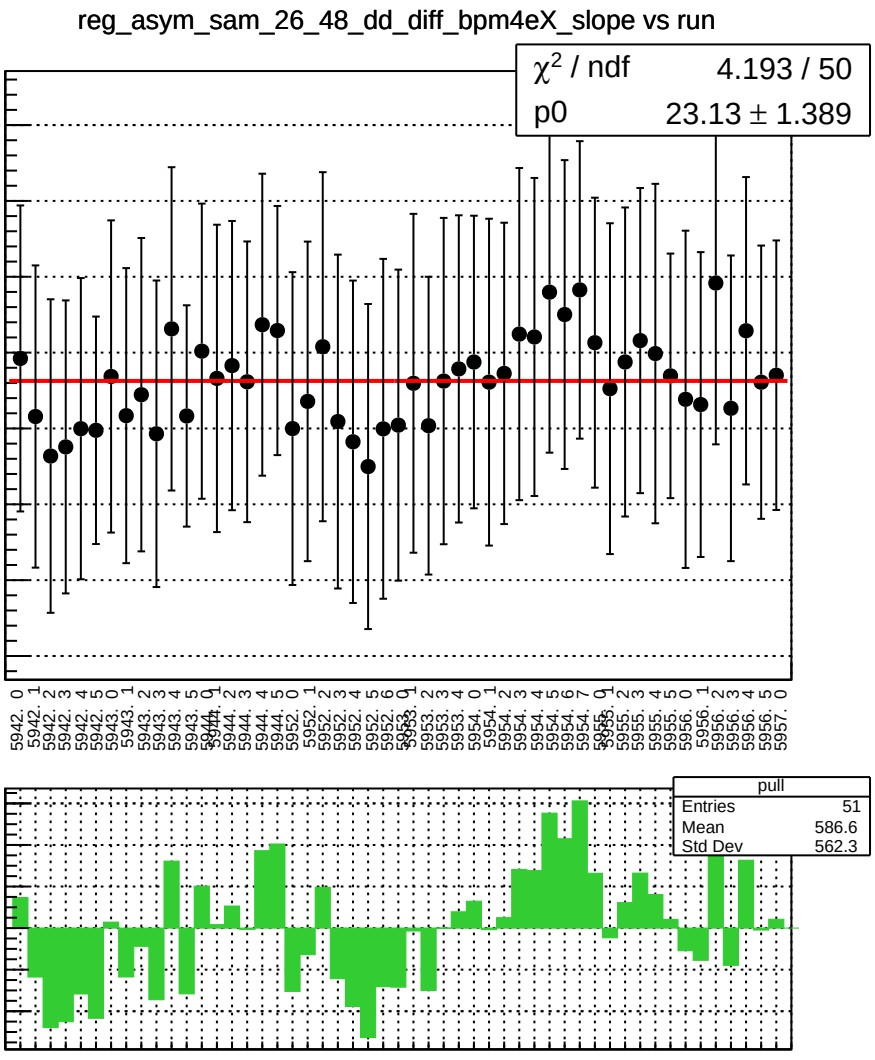

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 0.4835 / 50
p0 −0.627 ± 0.1741
pull
Entries 51
Mean 341.7
Std Dev 322.6

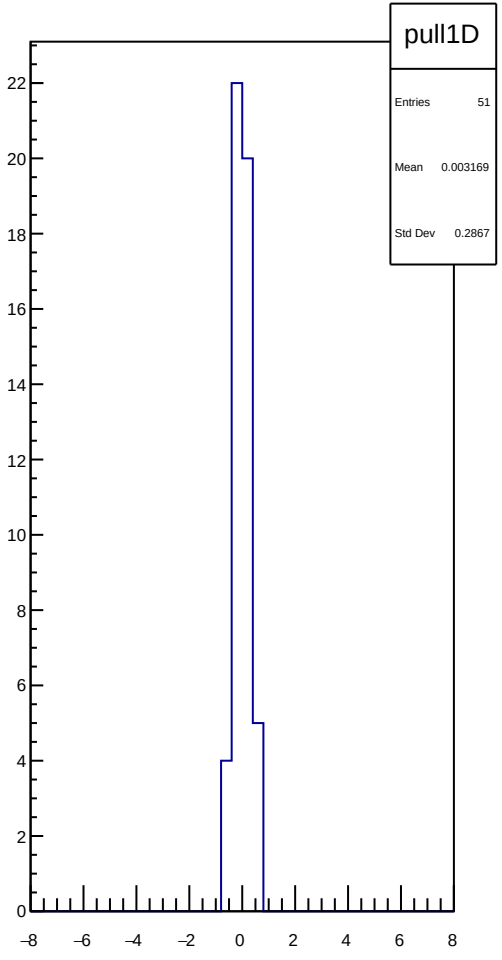

pull1D
Entries 51
Mean −0.001043
Std Dev 0.09736

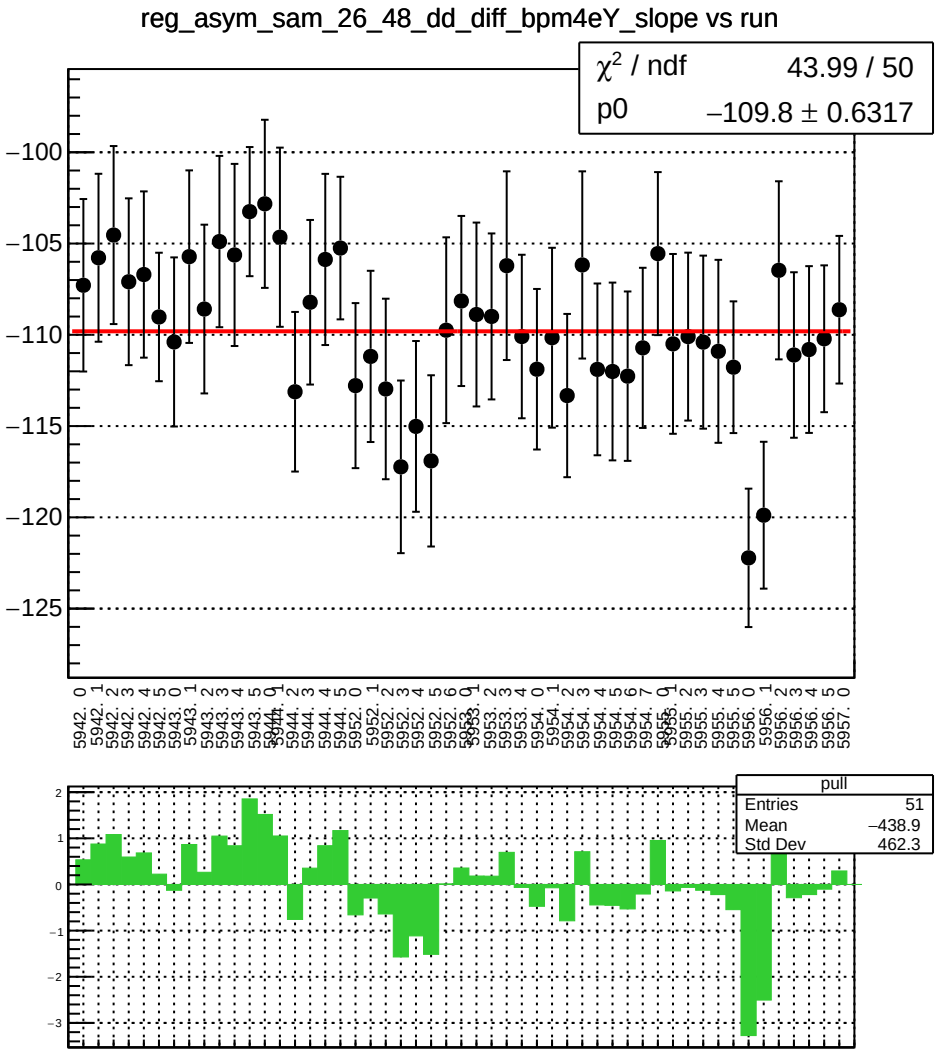

reg_asym_sam_26_48_dd_diff_bpm4aX_slope vs run
χ² / ndf 3.594 / 50
p0 −2.319 ± 1.309
pull
Entries 51
Mean 342.9
Std Dev 319.8
pull1D
Entries 51
Mean −0.005814
Std Dev 0.2654

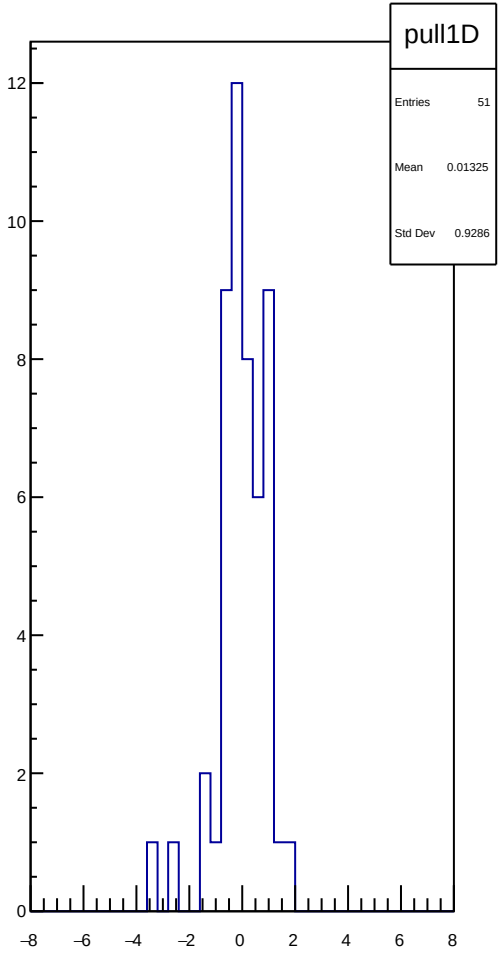

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 30.59 / 50
p0 17.62 ± 0.4854
pull
Entries 51
Mean −147.2
Std Dev 171

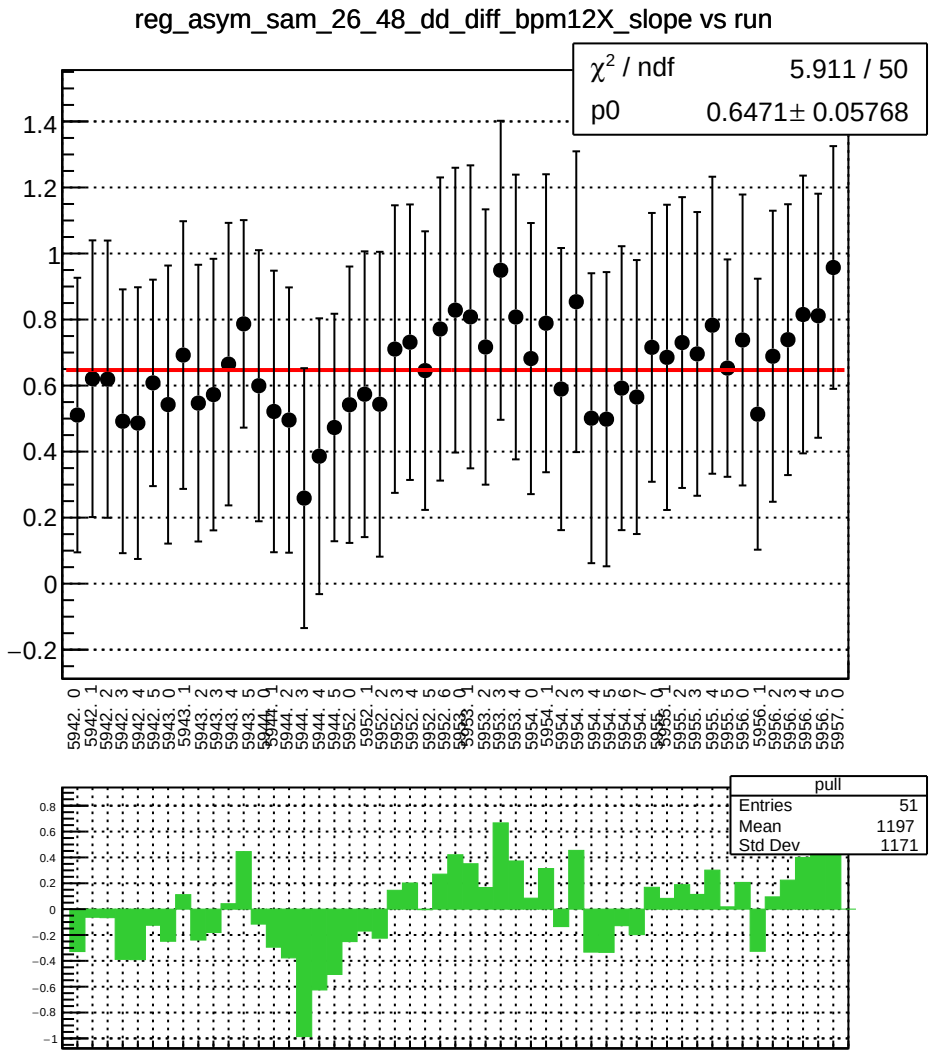

pull1D
Entries 51
Mean −0.01764
Std Dev 0.7743

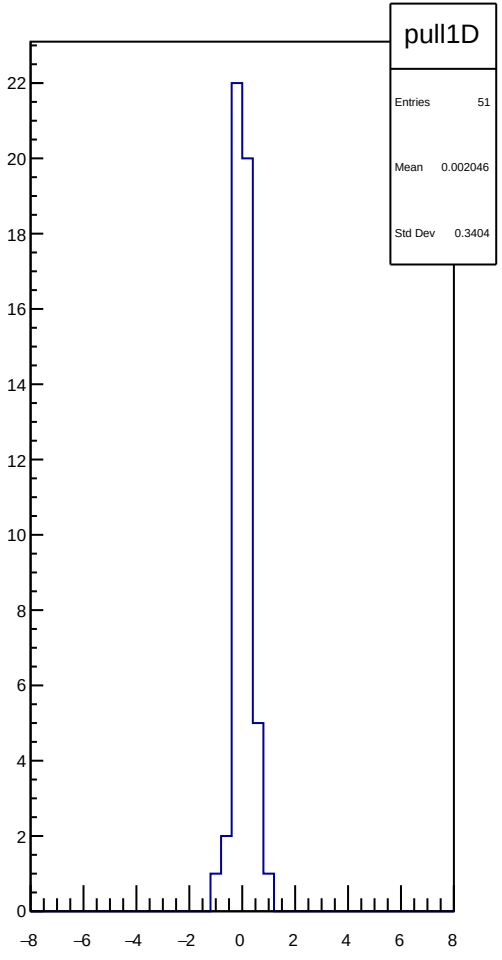

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.193 / 50
p0 23.13 ± 1.389
pull
Entries 51
Mean 586.6
Std Dev 562.3

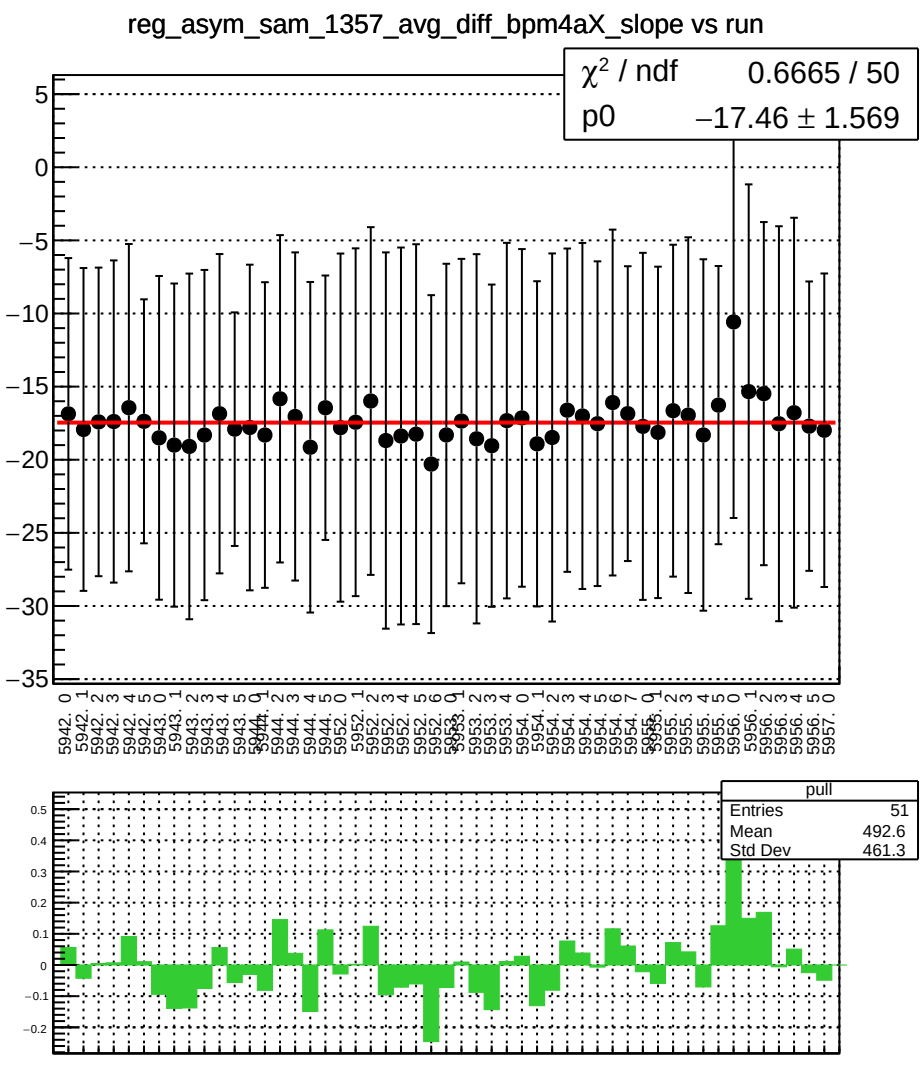

pull1D
Entries 51
Mean 0.003169
Std Dev 0.2867

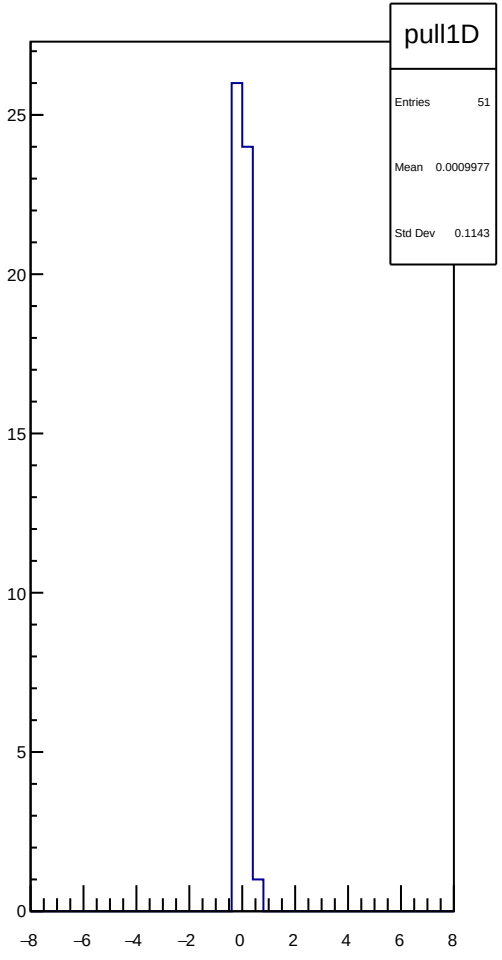

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 43.99 / 50
p0 −109.8 ± 0.6317
pull
Entries 51
Mean −438.9
Std Dev 462.3

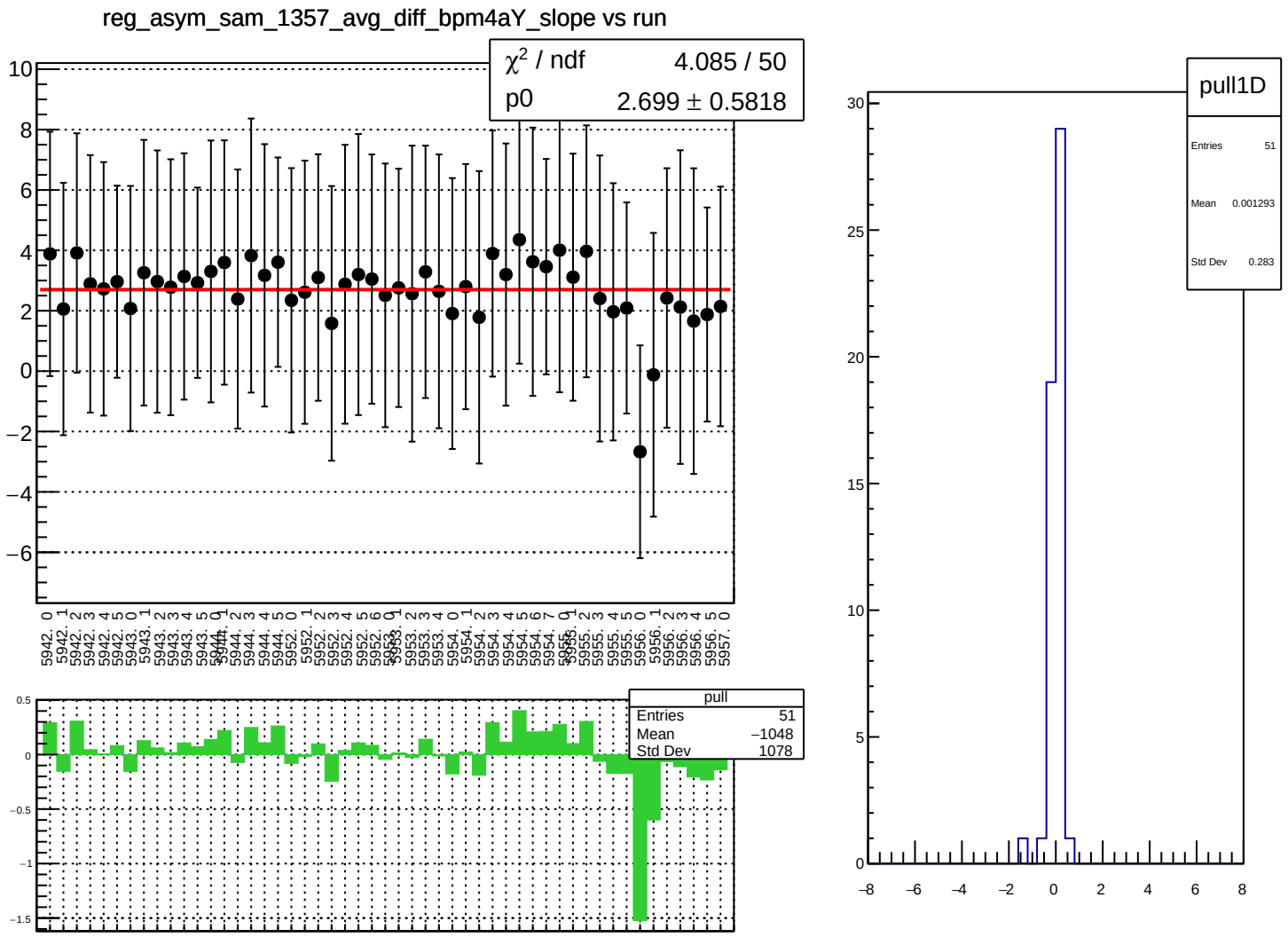

pull1D
Entries 51
Mean 0.01325
Std Dev 0.9286

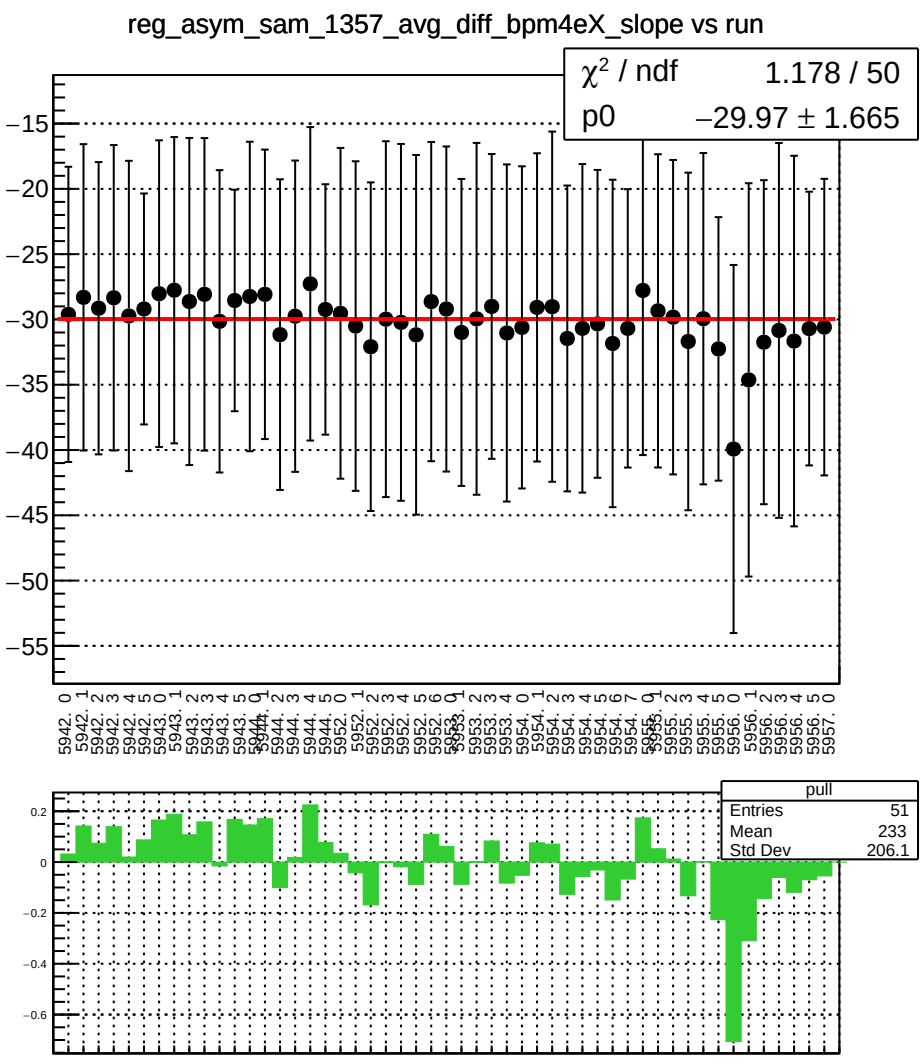

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 5.911 / 50
p0 0.6471± 0.05768
pull
Entries 51
Mean 1197
Std Dev 1171

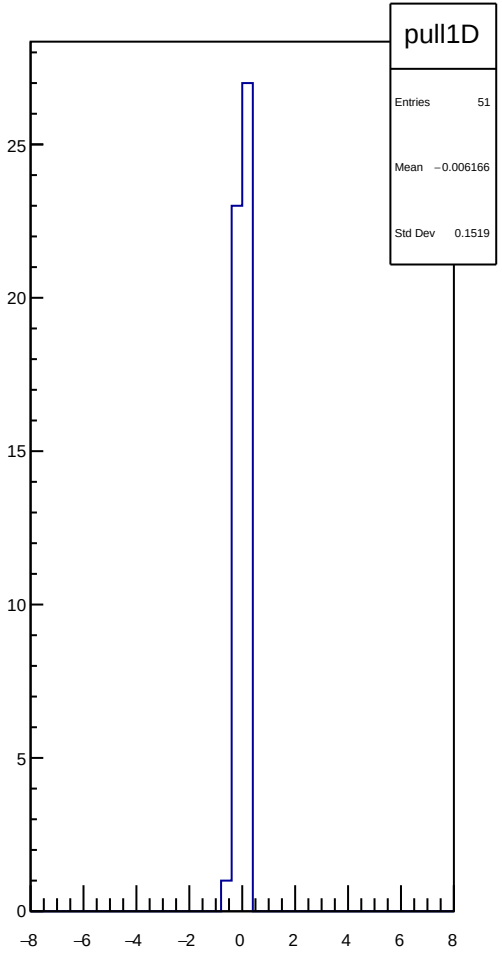

pull1D
Entries 51
Mean 0.002046
Std Dev 0.3404

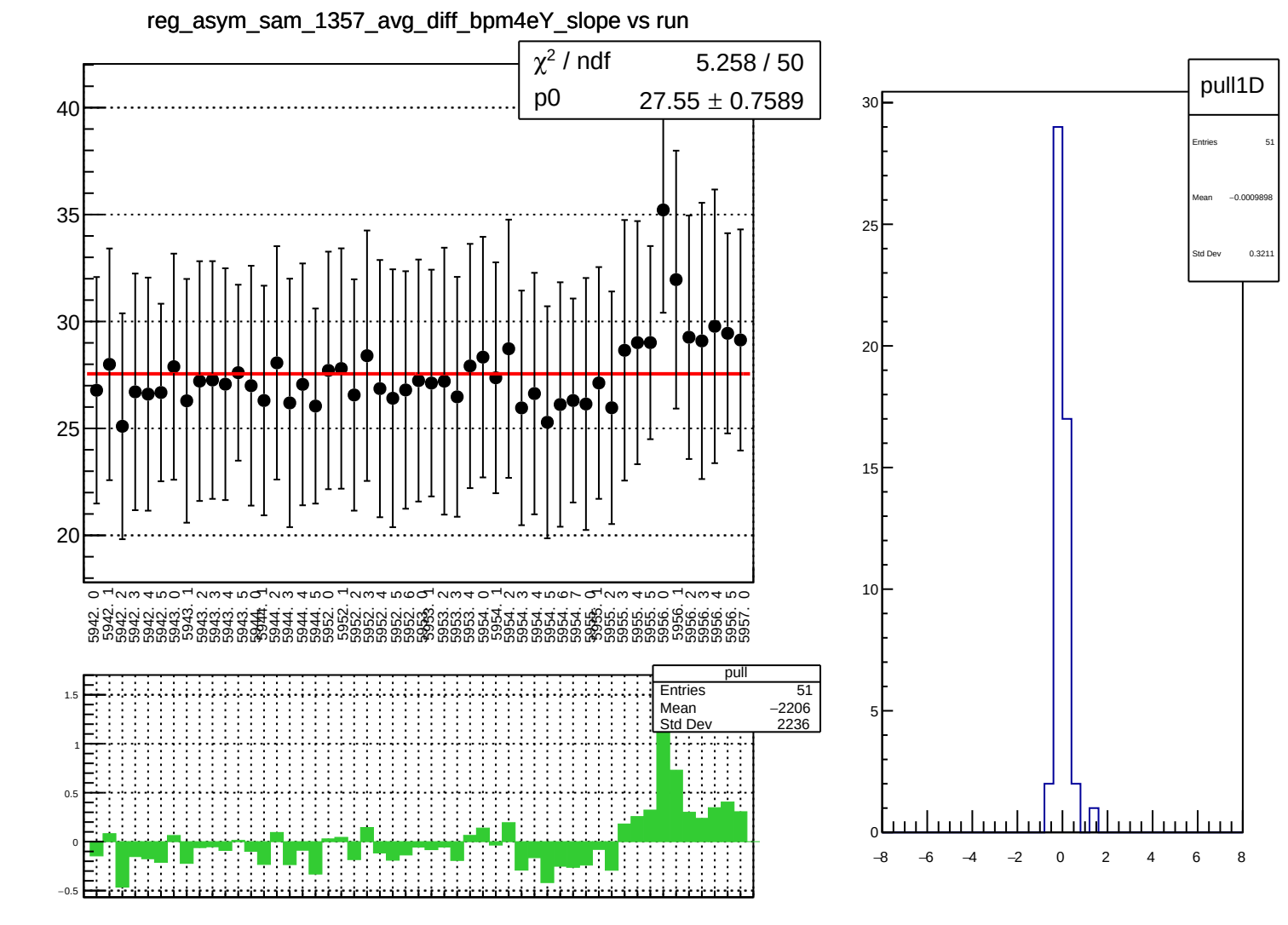

reg_asym_sam_1357_avg_diff_bpm4aX_slope vs run
χ² / ndf 0.6665 / 50
p0 −17.46 ± 1.569
pull
Entries 51
Mean 492.6
Std Dev 461.3

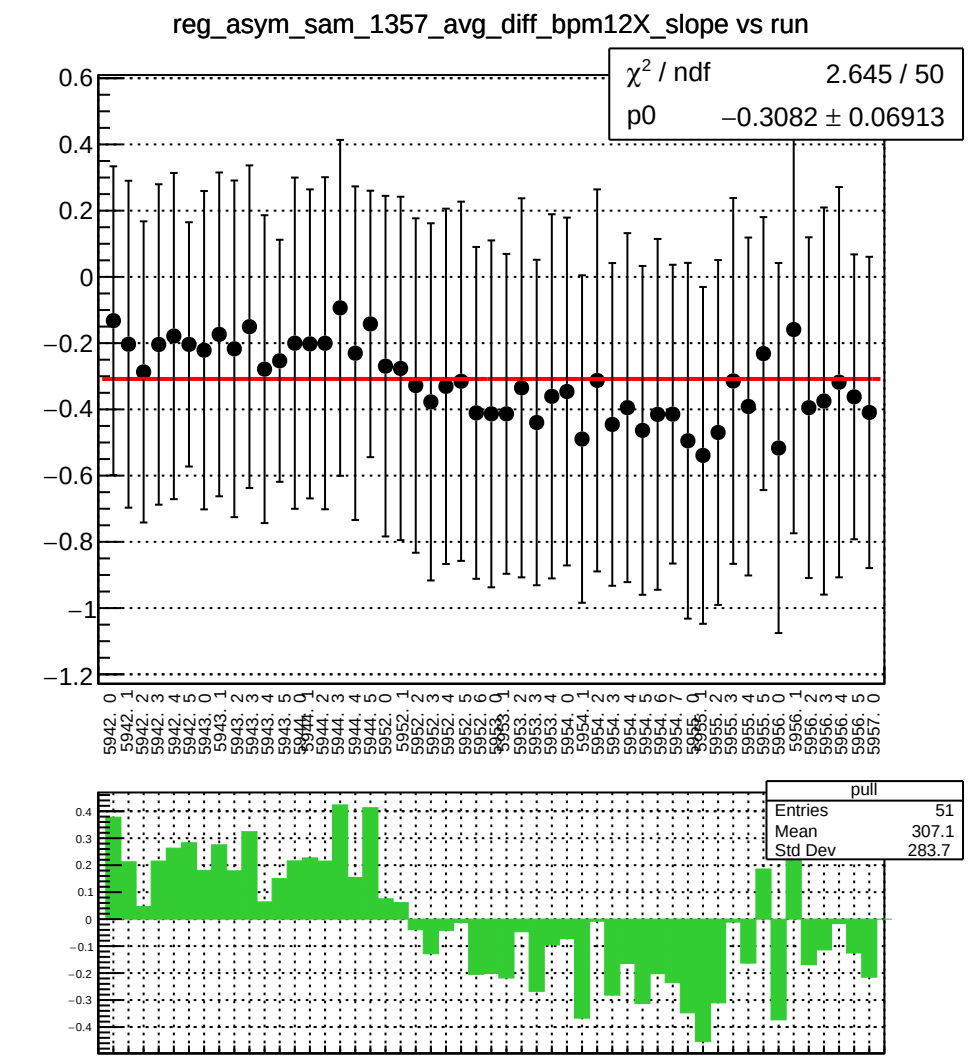

pull1D
Entries 51
Mean 0.0009977
Std Dev 0.1143

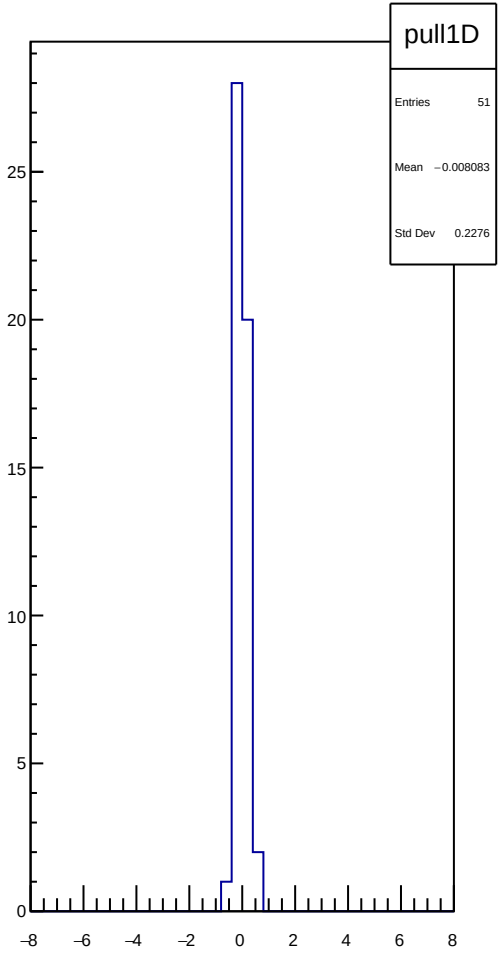

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.085 / 50
p0 2.699 ± 0.5818
pull
Entries 51
Mean −1048
Std Dev 1078
pull1D
Entries 51
Mean 0.001293
Std Dev 0.283

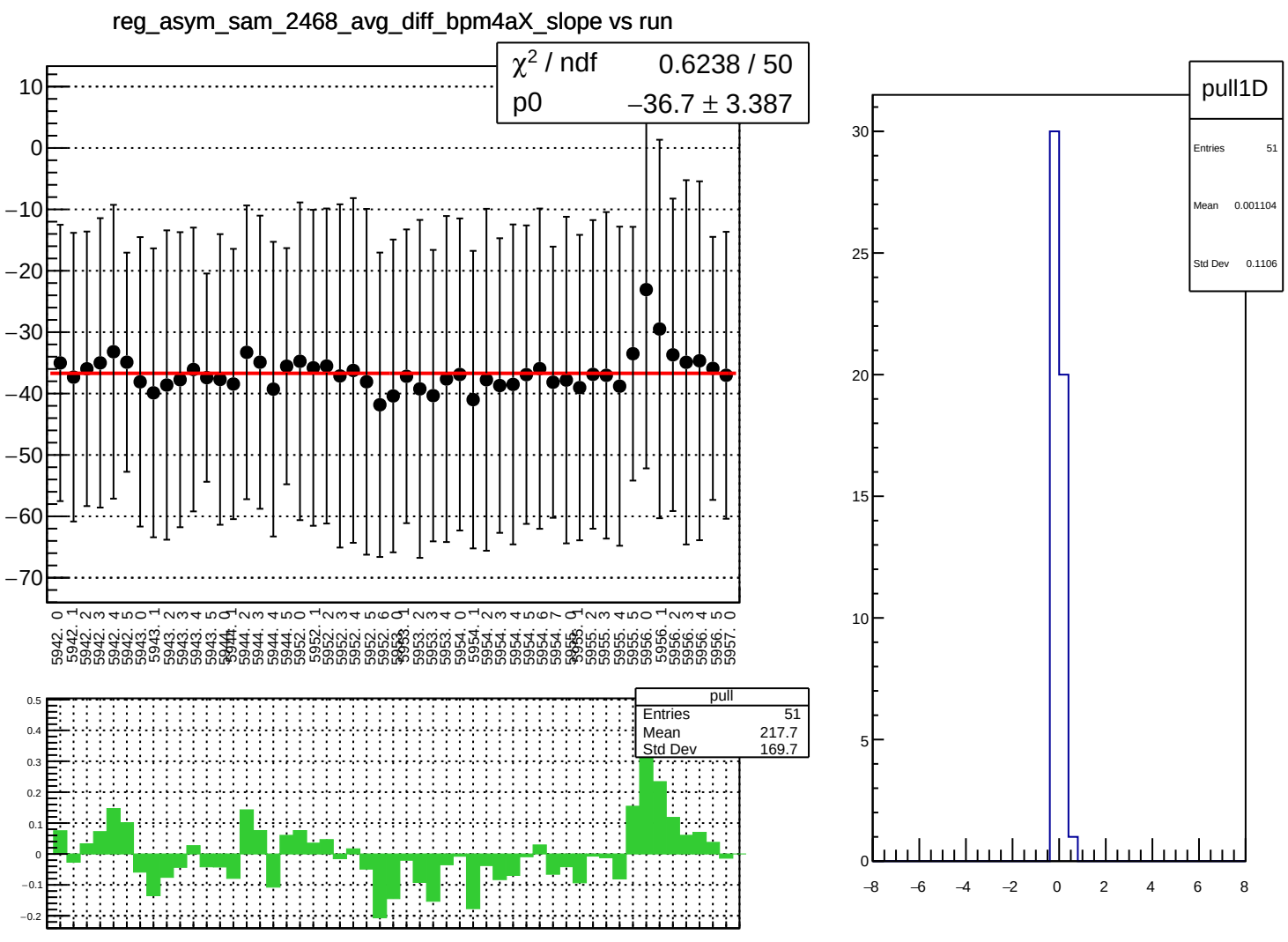

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.178 / 50
p0 −29.97 ± 1.665
pull
Entries 51
Mean 233
Std Dev 206.1

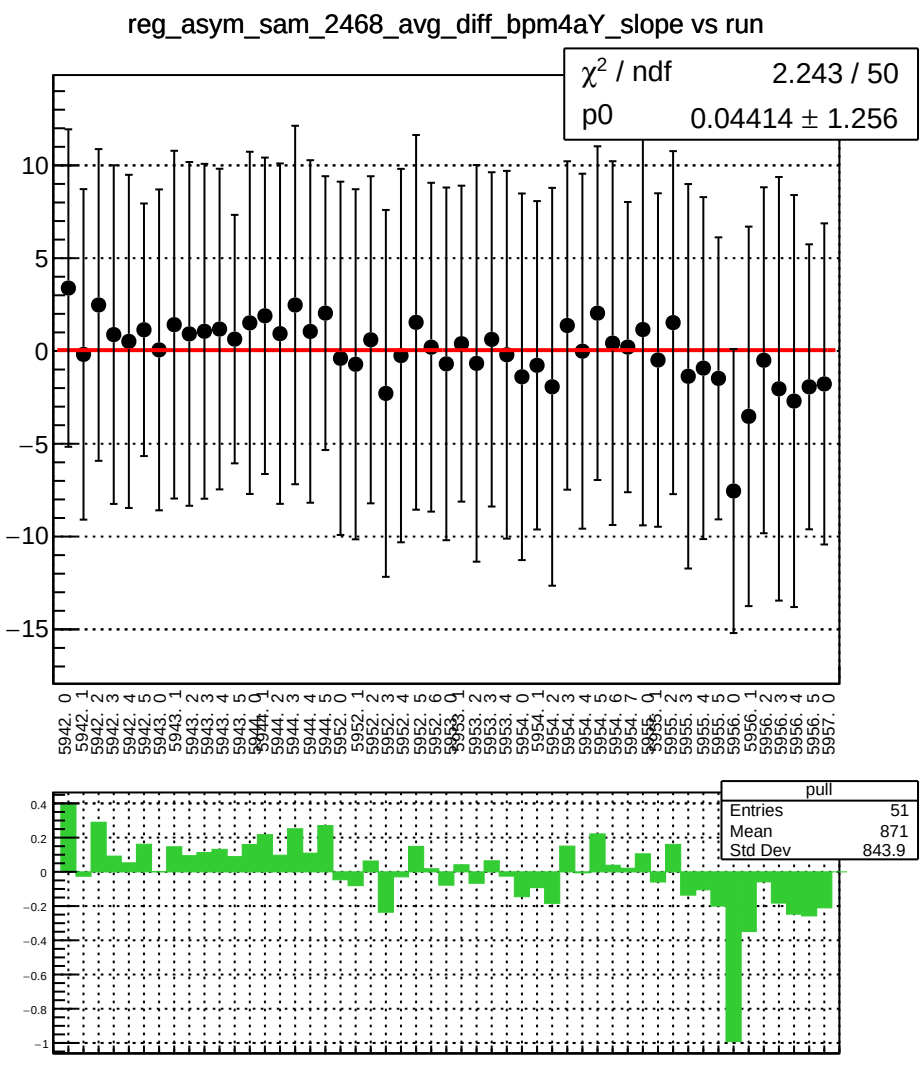

pull1D
Entries 51
Mean −0.006166
Std Dev 0.1519

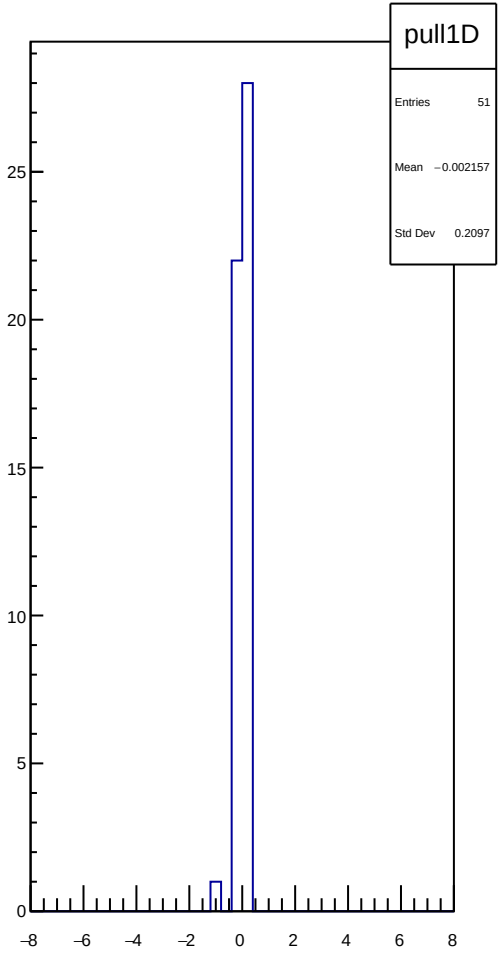

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.258 / 50
p0 27.55 ± 0.7589
pull
Entries 51
Mean −2206
Std Dev 2236
pull1D
Entries 51
Mean −0.0009898
Std Dev 0.3211

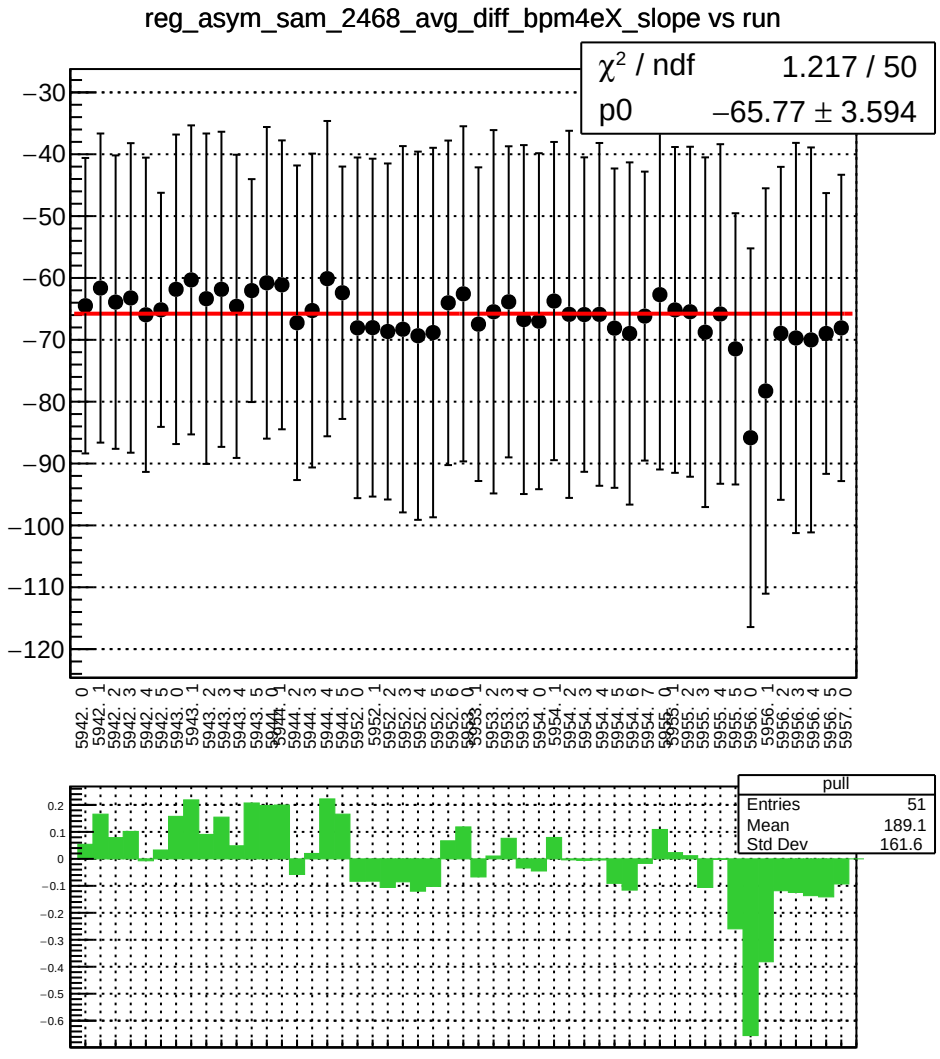

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 2.645 / 50
p0 −0.3082 ± 0.06913
pull
Entries 51
Mean 307.1
Std Dev 283.7

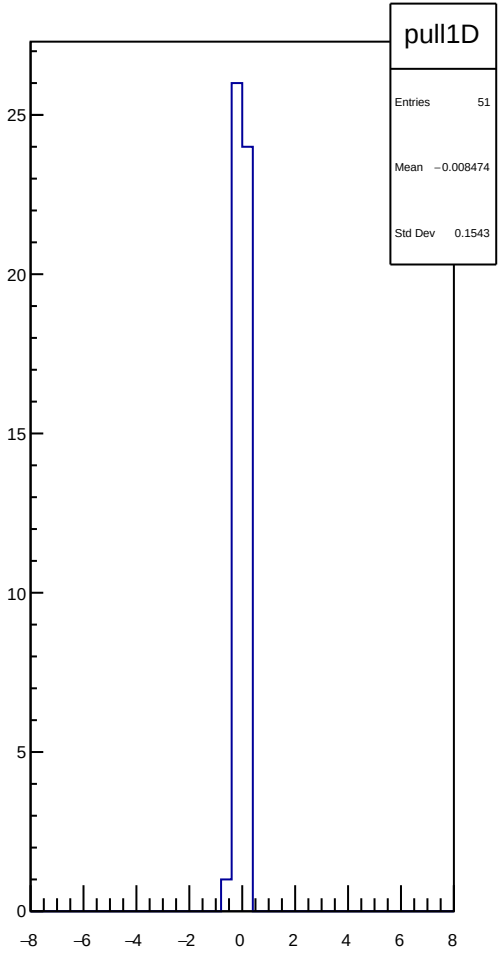

pull1D
Entries 51
Mean −0.008083
Std Dev 0.2276

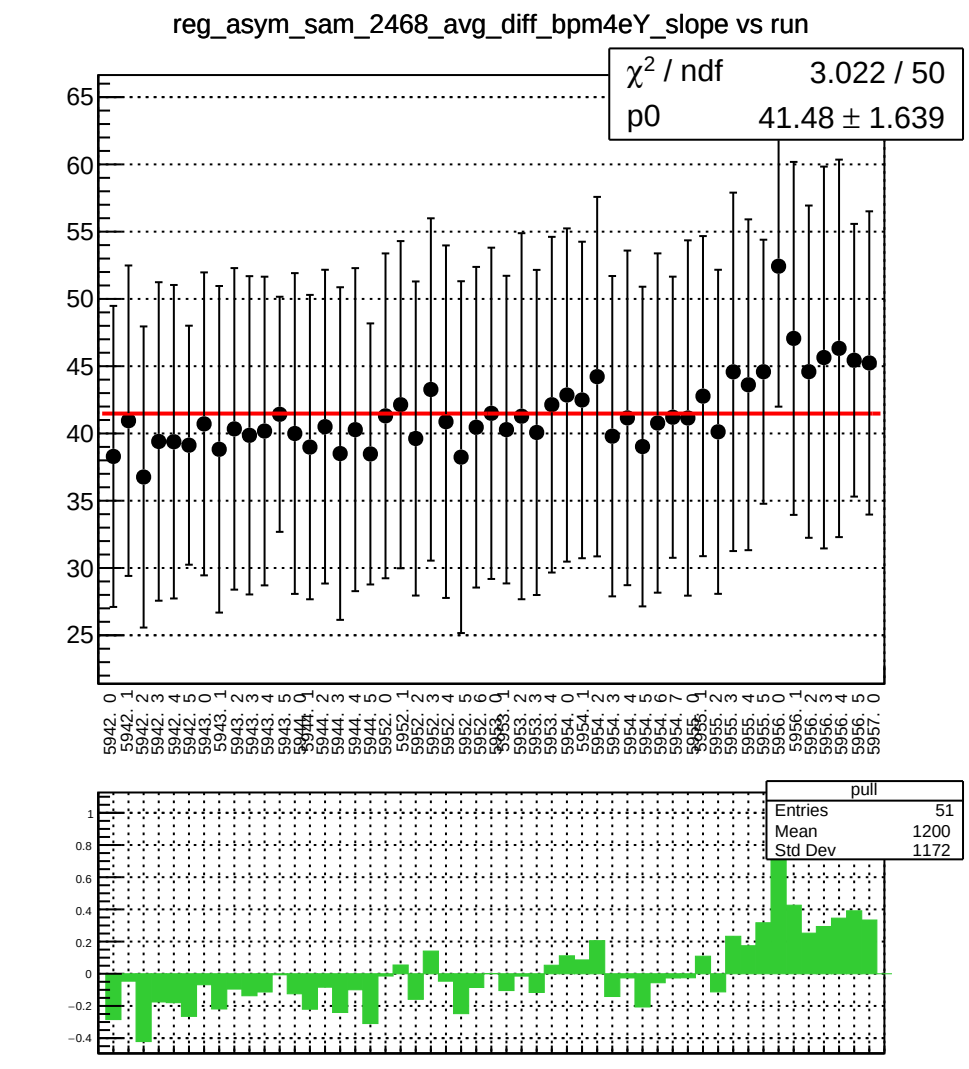

reg_asym_sam_2468_avg_diff_bpm4aX_slope vs run
χ² / ndf 0.6238 / 50
p0 −36.7 ± 3.387
pull
Entries 51
Mean 217.7
Std Dev 169.7
pull1D
Entries 51
Mean 0.001104
Std Dev 0.1106

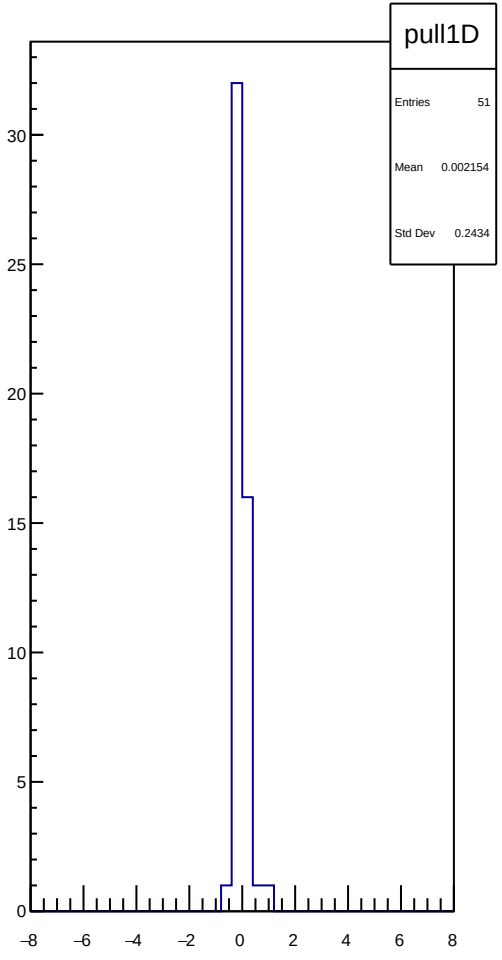

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.243 / 50
p0 0.04414 ± 1.256
pull
Entries 51
Mean 871
Std Dev 843.9

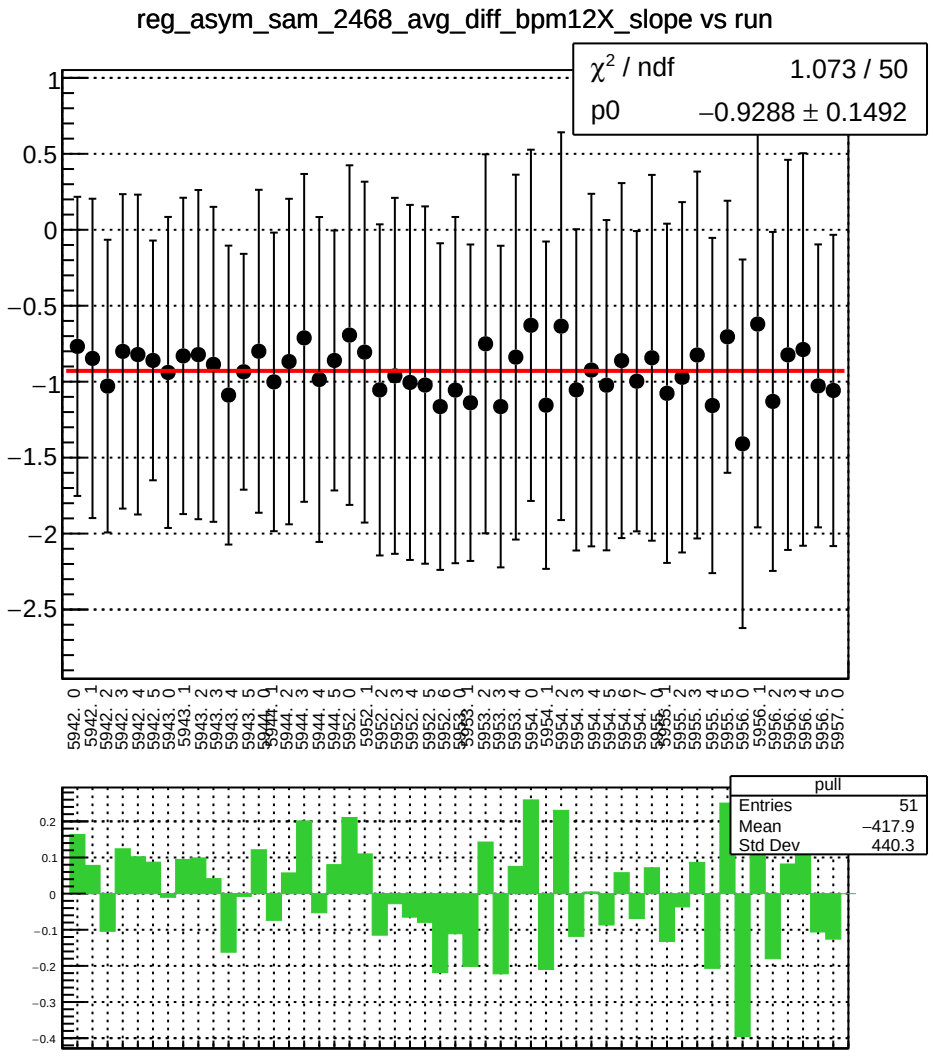

pull1D
Entries 51
Mean −0.002157
Std Dev 0.2097

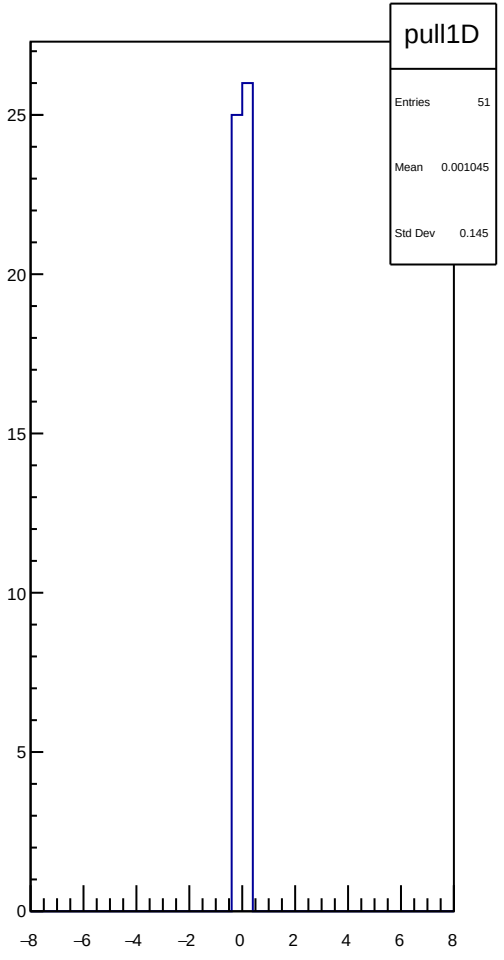

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.217 / 50
p0 −65.77 ± 3.594
pull
Entries 51
Mean 189.1
Std Dev 161.6

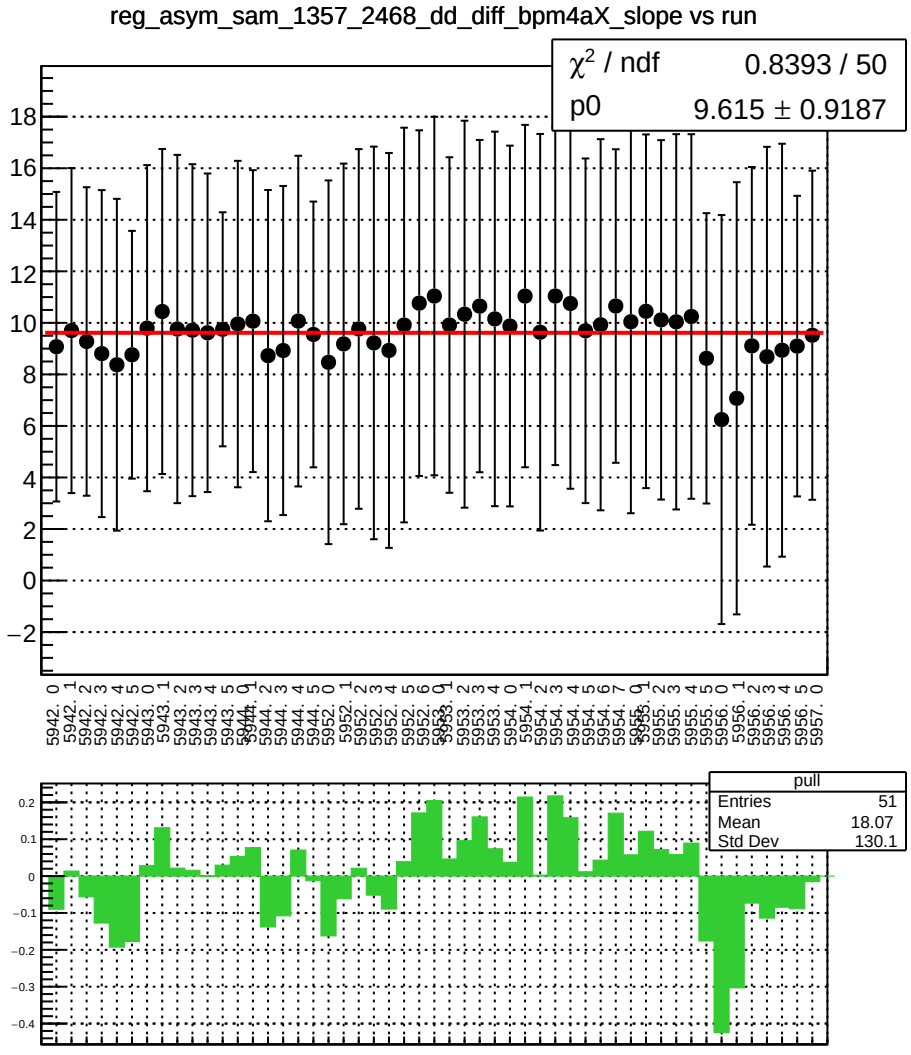

pull1D
Entries 51
Mean −0.008474
Std Dev 0.1543

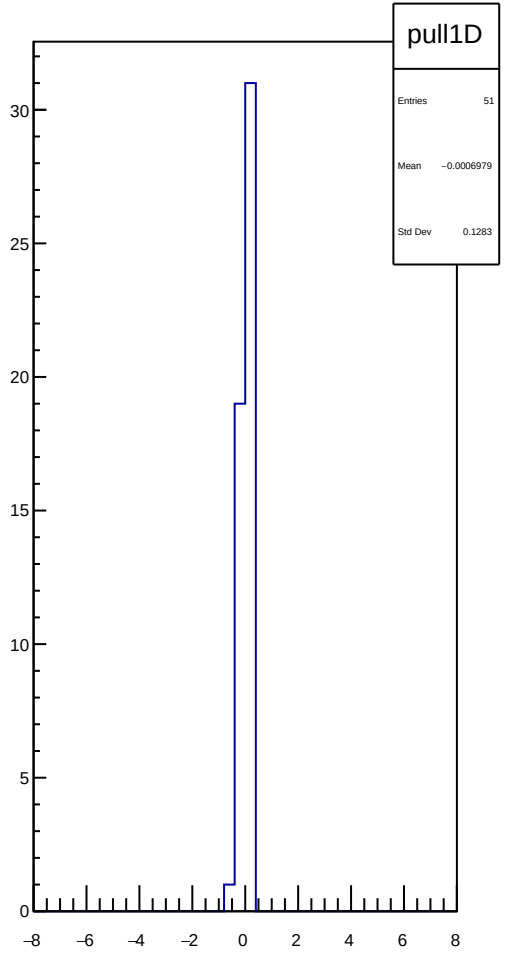

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.022 / 50
p0 41.48 ± 1.639
pull
Entries 51
Mean 1200
Std Dev 1172

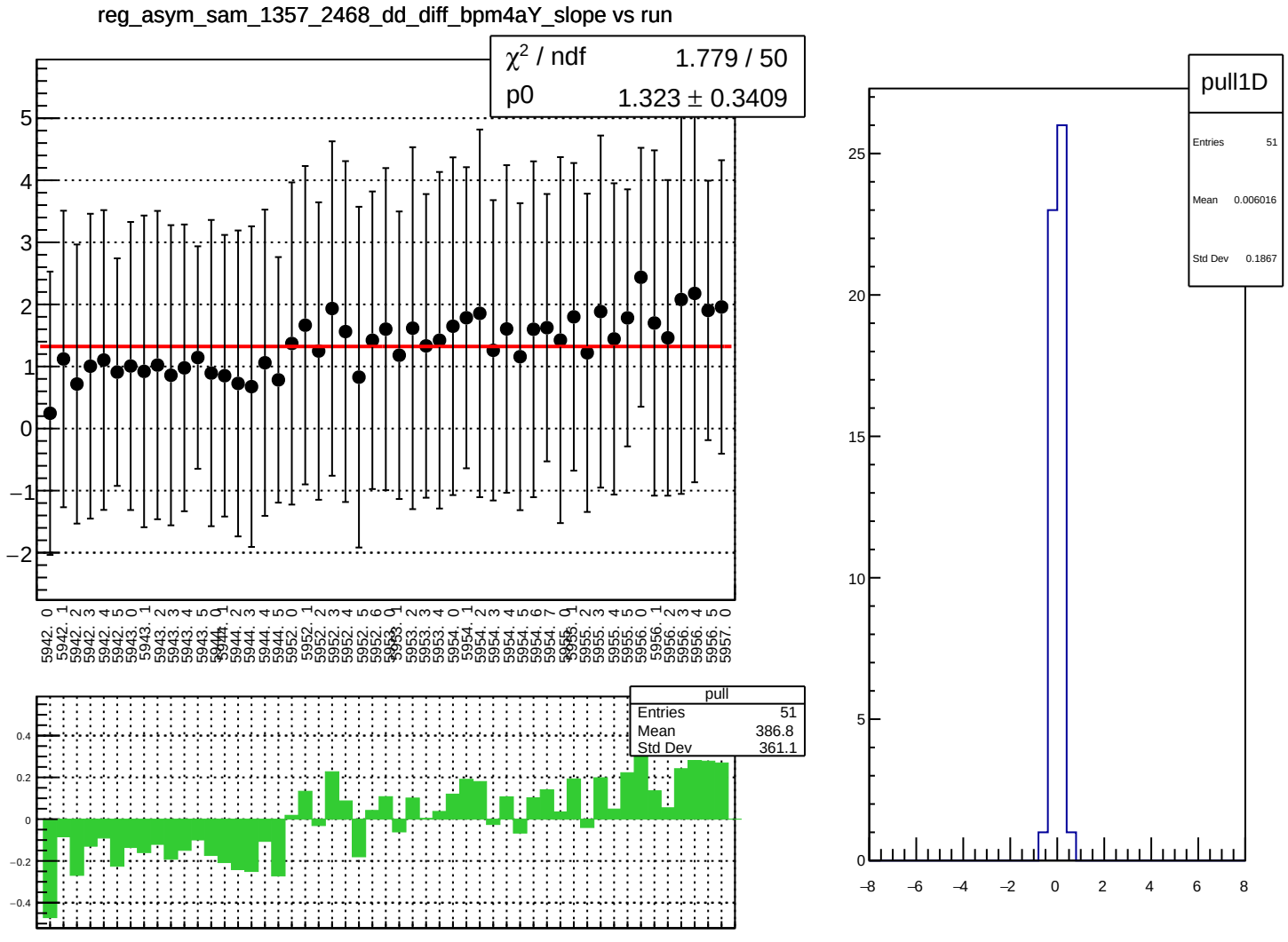

pull1D
Entries 51
Mean 0.002154
Std Dev 0.2434

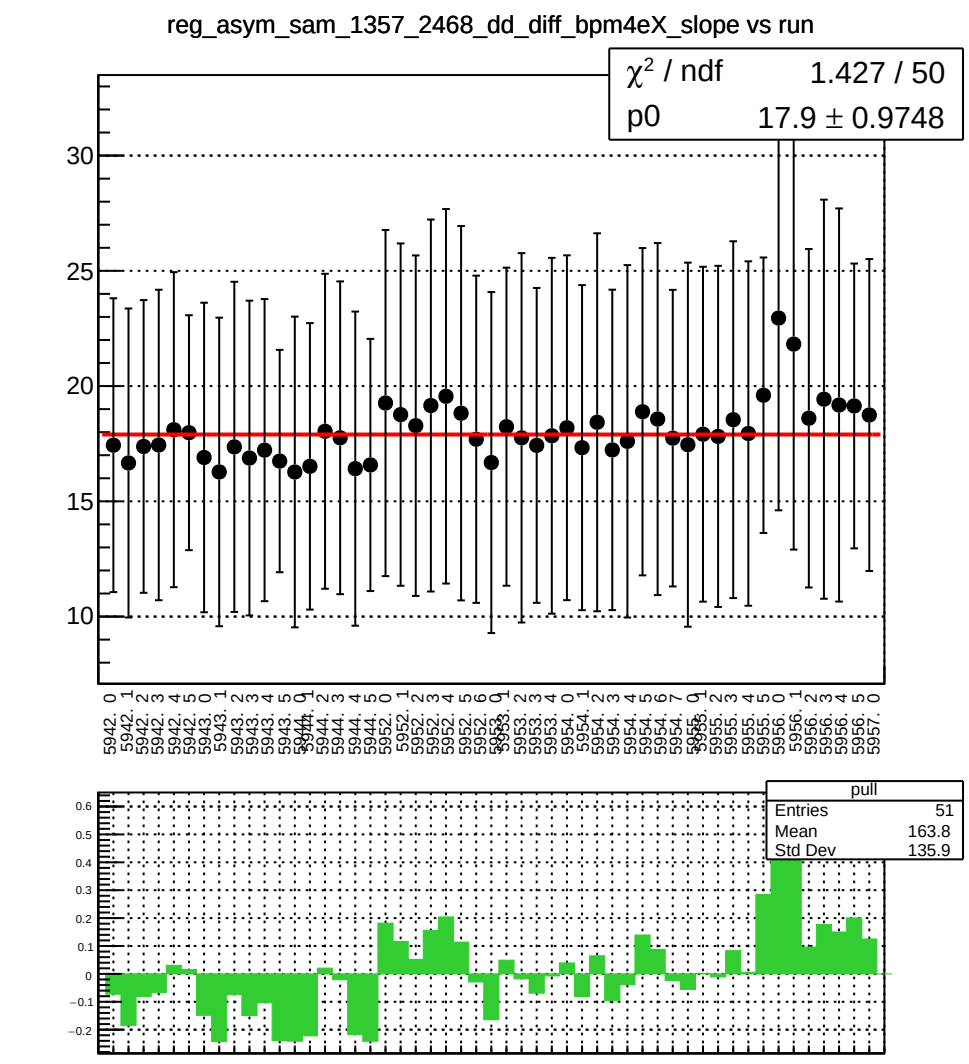

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 1.073 / 50
p0 −0.9288 ± 0.1492
pull
Entries 51
Mean −417.9
Std Dev 440.3

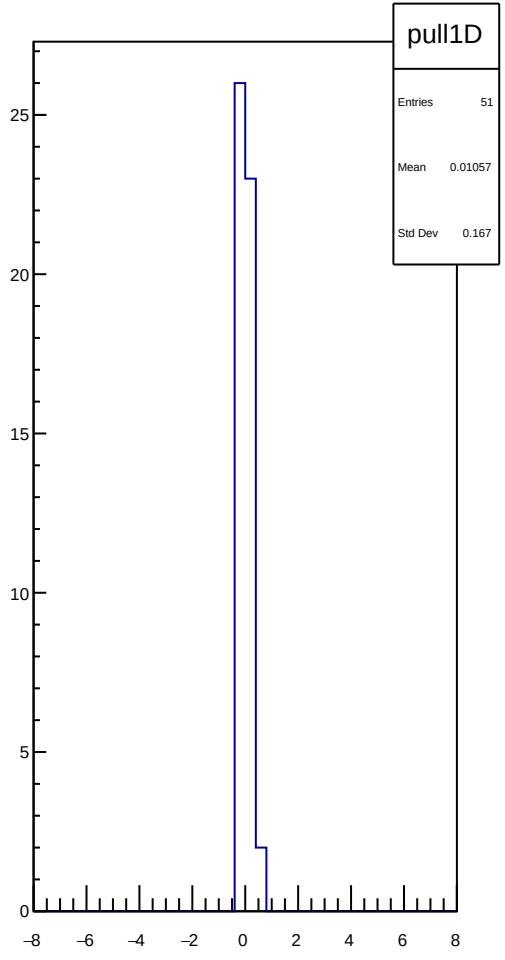

pull1D
Entries 51
Mean 0.001045
Std Dev 0.145

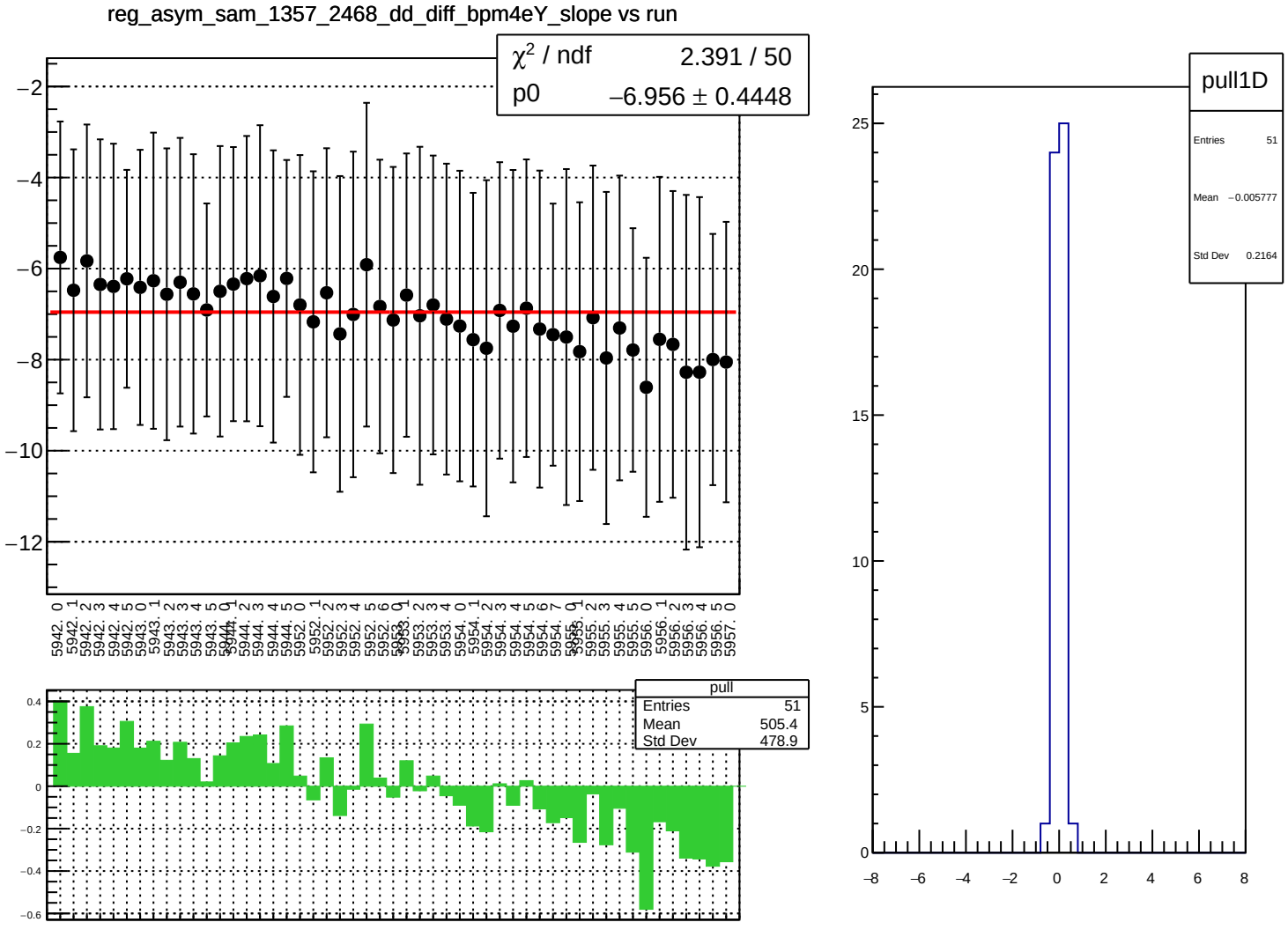

reg_asym_sam_1357_2468_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.8393 / 50
p0 9.615 ± 0.9187
pull
Entries 51
Mean 18.07
Std Dev 130.1

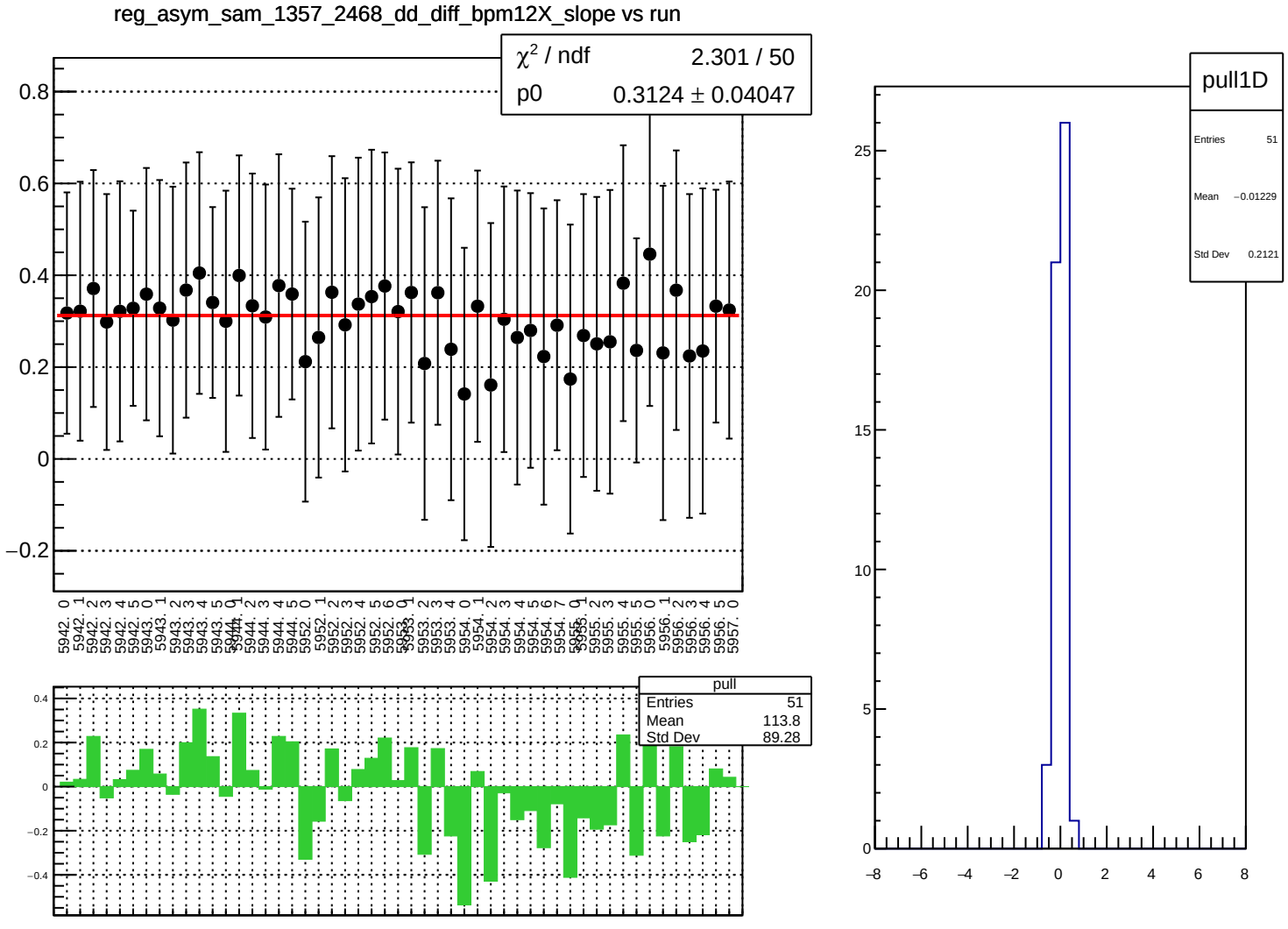

pull1D
Entries 51
Mean −0.0006979
Std Dev 0.1283

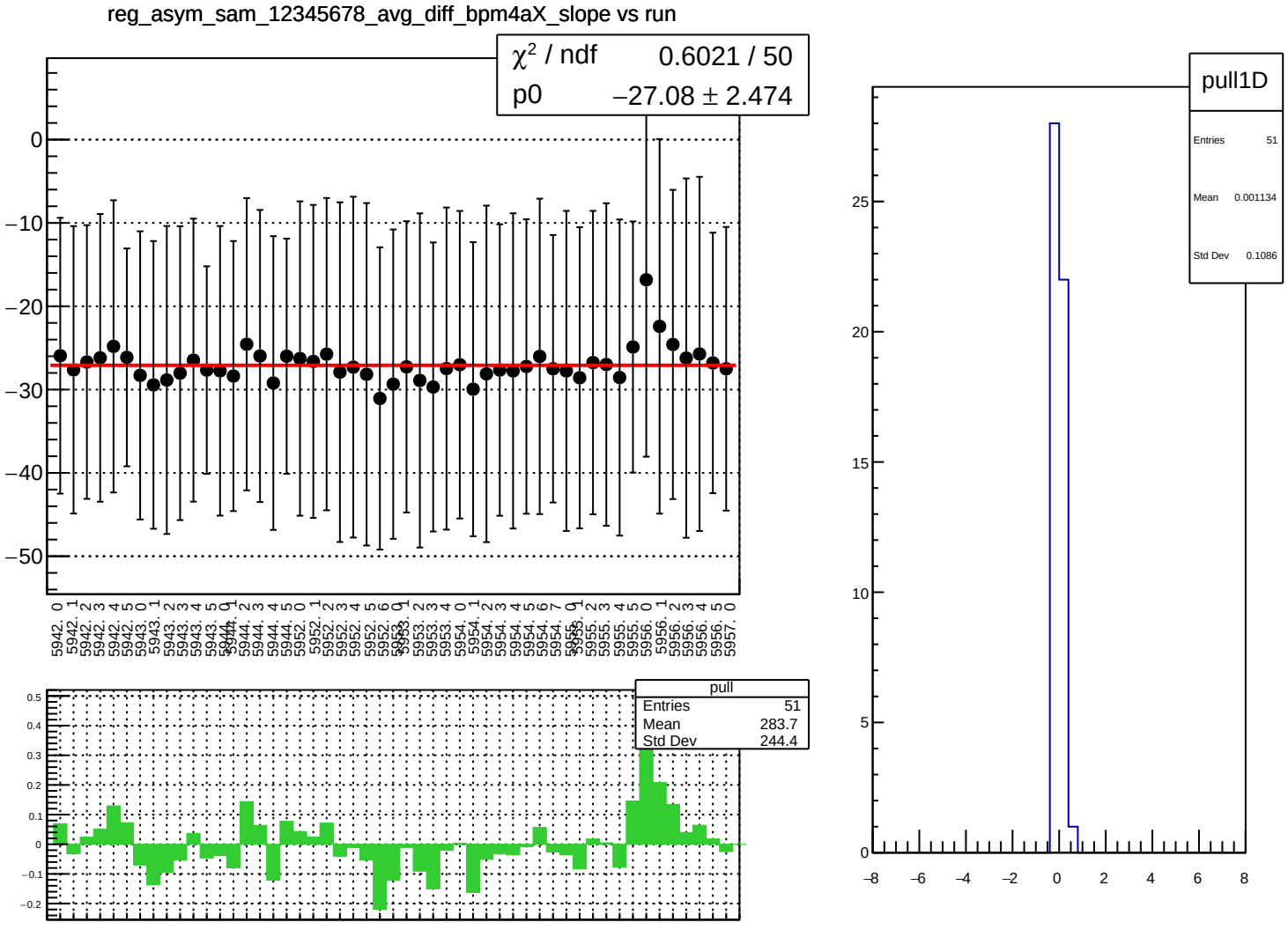

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.779 / 50
p0 1.323 ± 0.3409
pull
Entries 51
Mean 386.8
Std Dev 361.1
pull1D
Entries 51
Mean 0.006016
Std Dev 0.1867

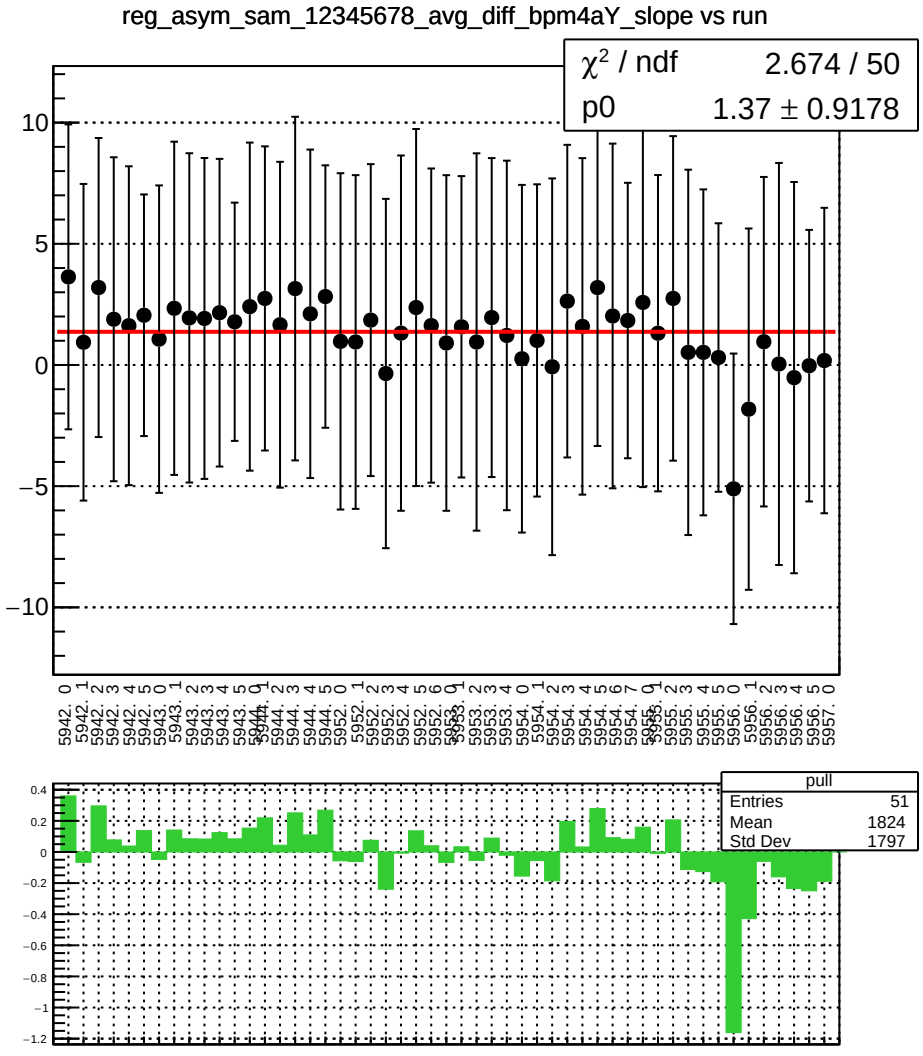

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.427 / 50
p0 17.9 ± 0.9748
pull
Entries 51
Mean 163.8
Std Dev 135.9

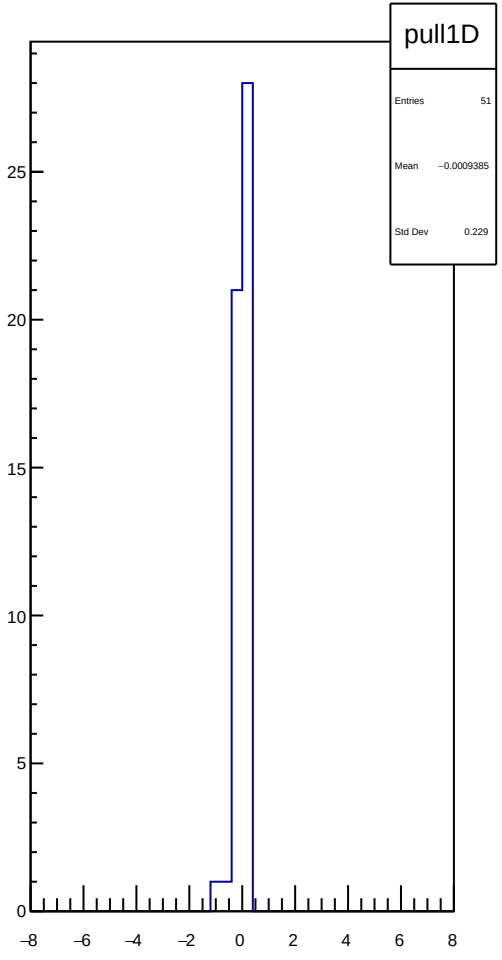

pull1D
Entries 51
Mean 0.01057
Std Dev 0.167

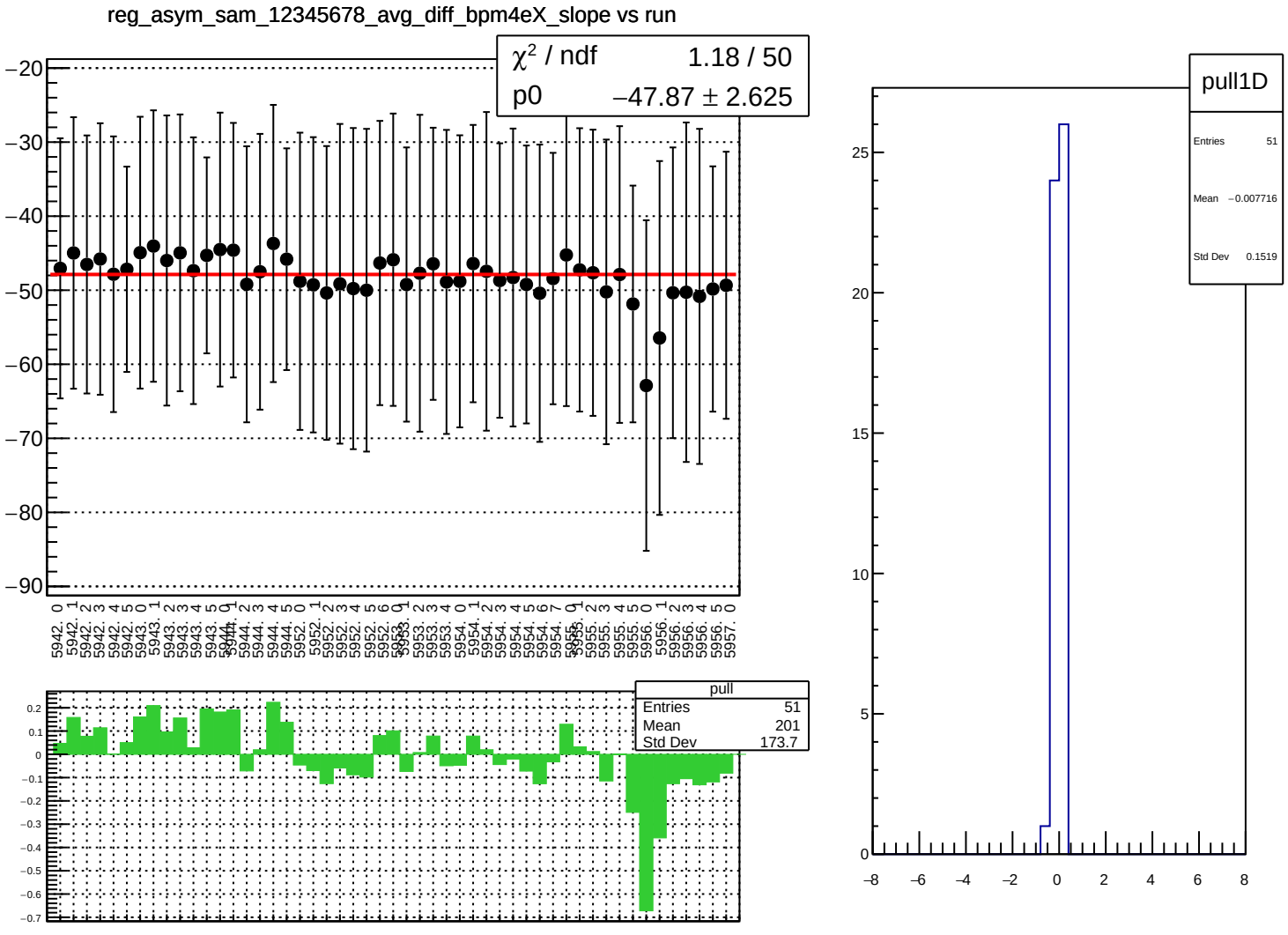

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.391 / 50
p0 −6.956 ± 0.4448
pull
Entries 51
Mean 505.4
Std Dev 478.9
pull1D
Entries 51
Mean −0.005777
Std Dev 0.2164

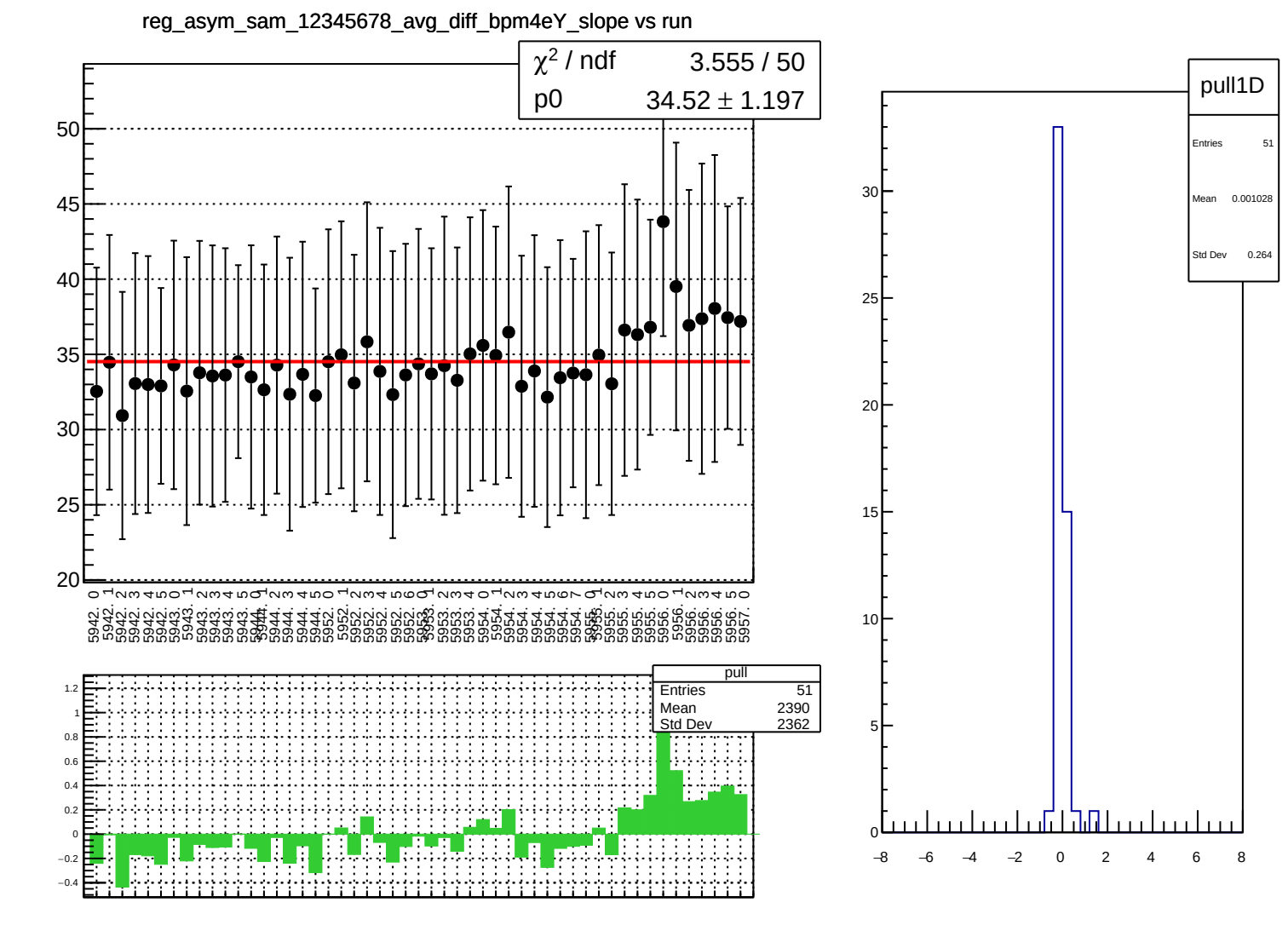

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 2.301 / 50
p0 0.3124 ± 0.04047
pull
Entries 51
Mean 113.8
Std Dev 89.28
pull1D
Entries 51
Mean −0.01229
Std Dev 0.2121

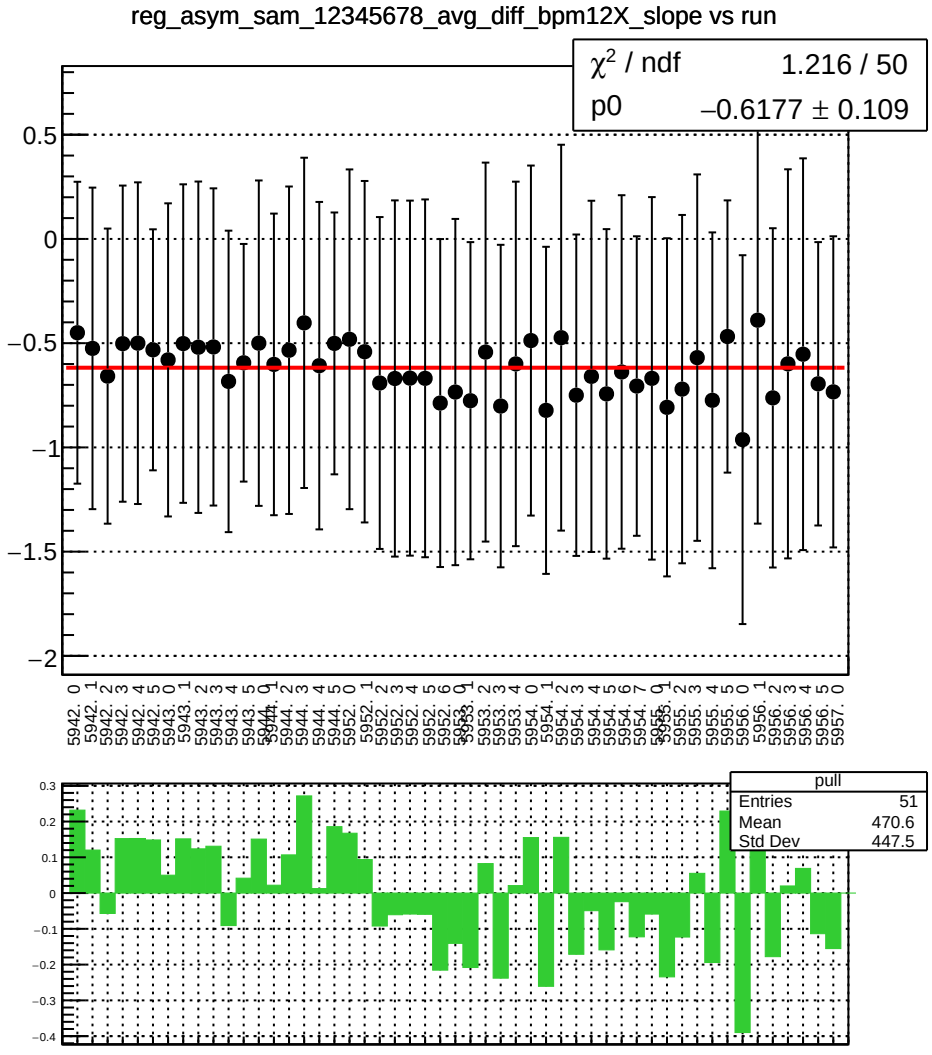

reg_asym_sam_12345678_avg_diff_bpm4aX_slope vs run
χ² / ndf 0.6021 / 50
p0 −27.08 ± 2.474
pull
Entries 51
Mean 283.7
Std Dev 244.4
pull1D
Entries 51
Mean 0.001134
Std Dev 0.1086

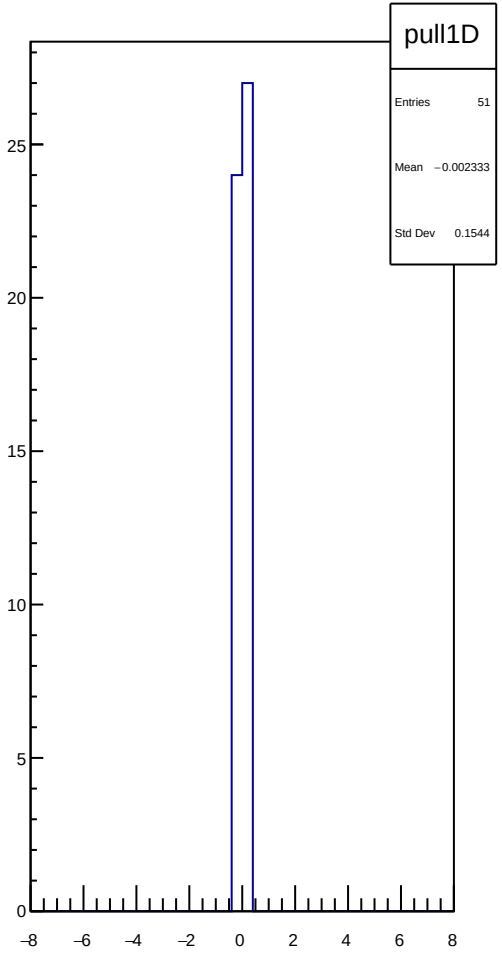

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.674 / 50
p0 1.37 ± 0.9178
pull
Entries 51
Mean 1824
Std Dev 1797

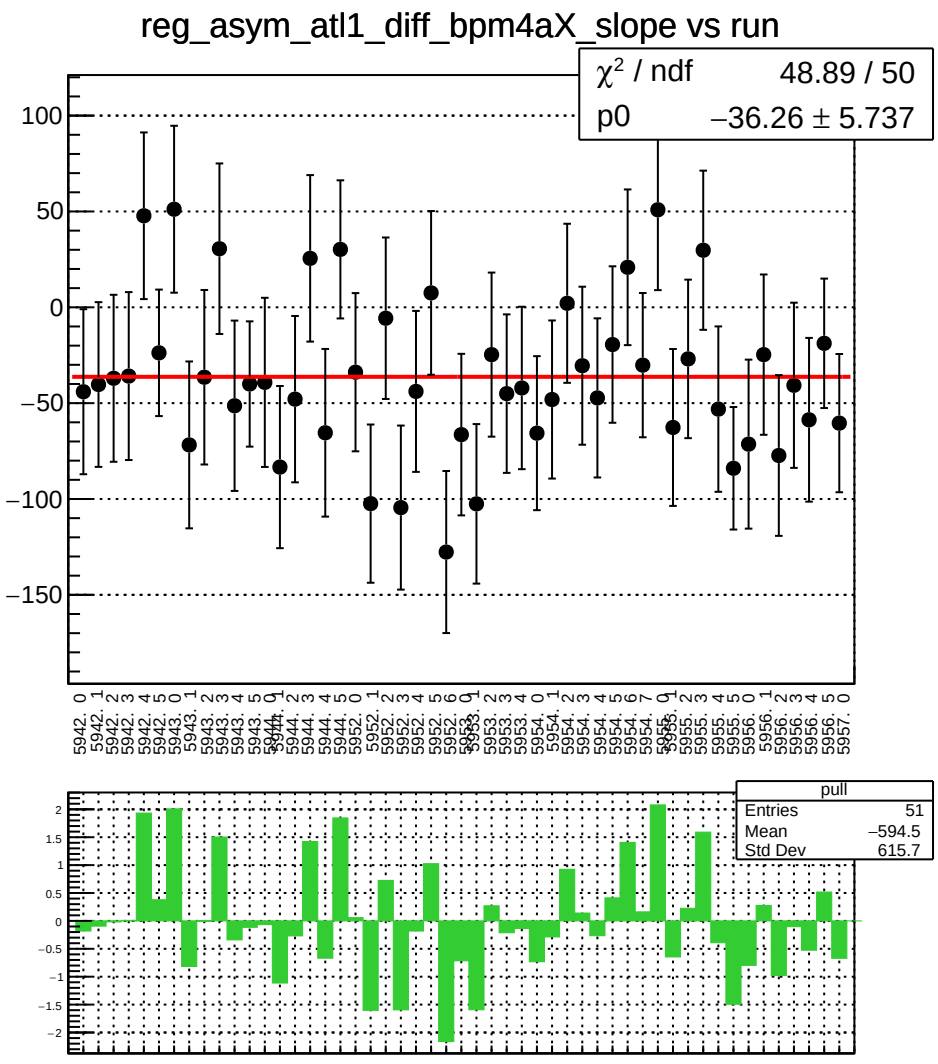

pull1D
Entries 51
Mean −0.0009385
Std Dev 0.229

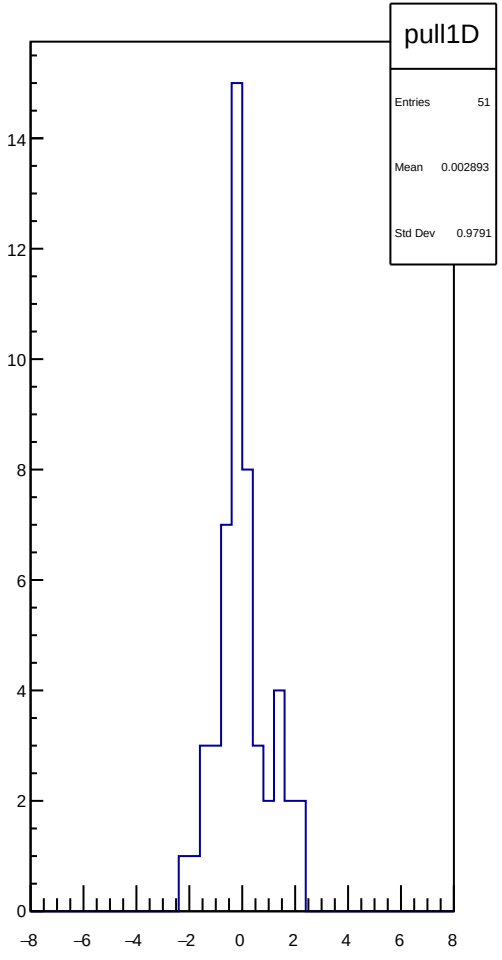

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.18 / 50
p0 −47.87 ± 2.625
pull
Entries 51
Mean 201
Std Dev 173.7
pull1D
Entries 51
Mean −0.007716
Std Dev 0.1519

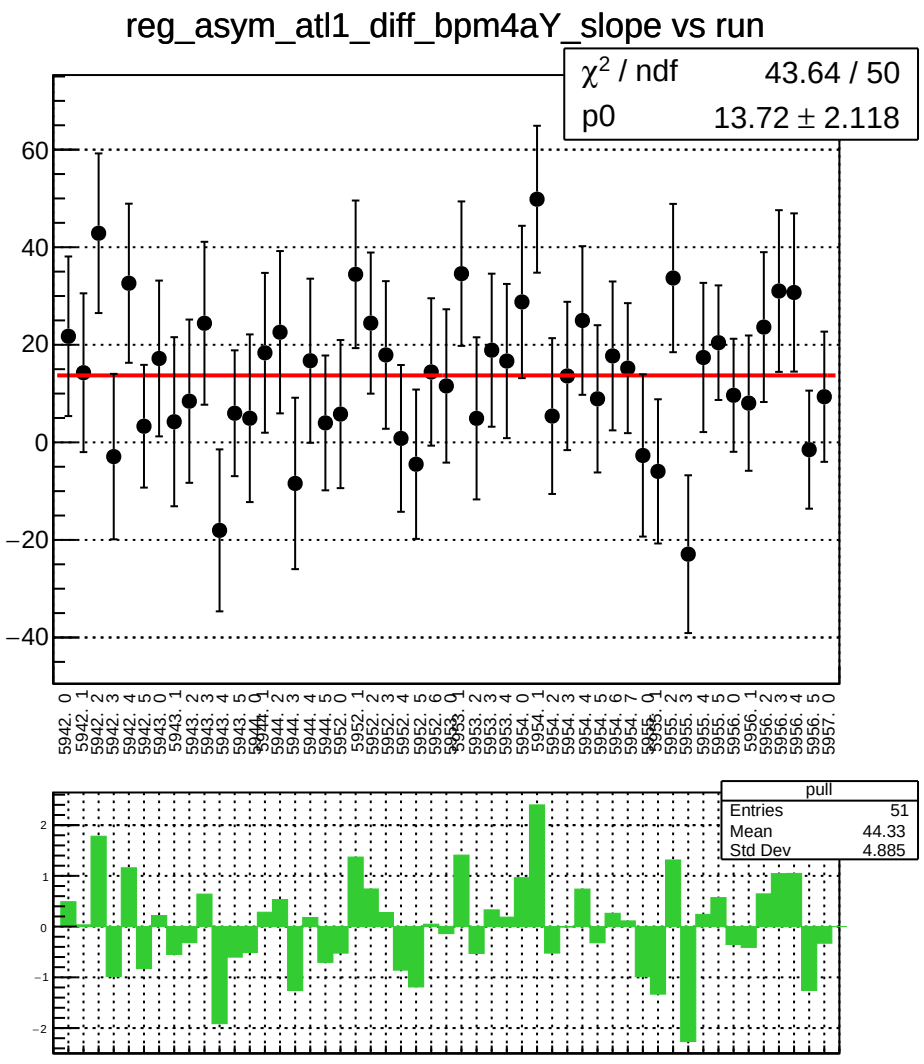

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.555 / 50
p0 34.52 ± 1.197
pull
Entries 51
Mean 2390
Std Dev 2362
pull1D
Entries 51
Mean 0.001028
Std Dev 0.264

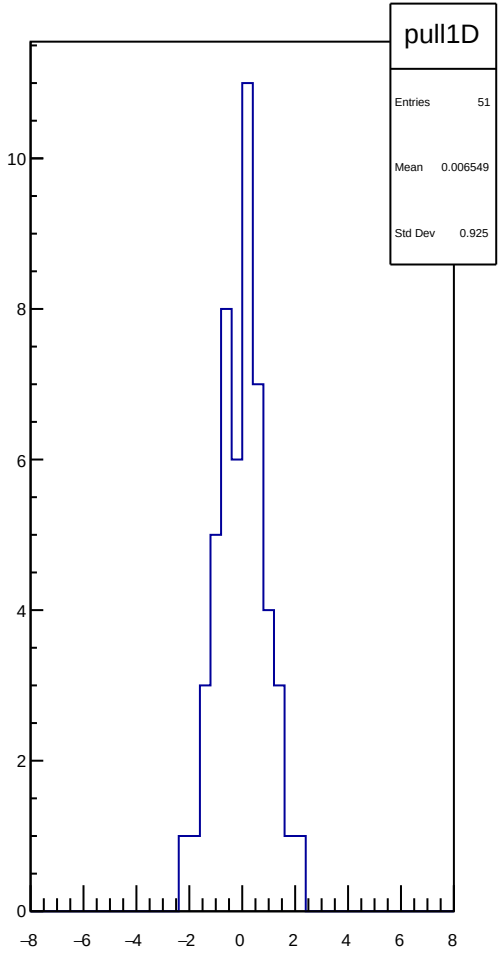

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 1.216 / 50
p0 −0.6177 ± 0.109
pull
Entries 51
Mean 470.6
Std Dev 447.5

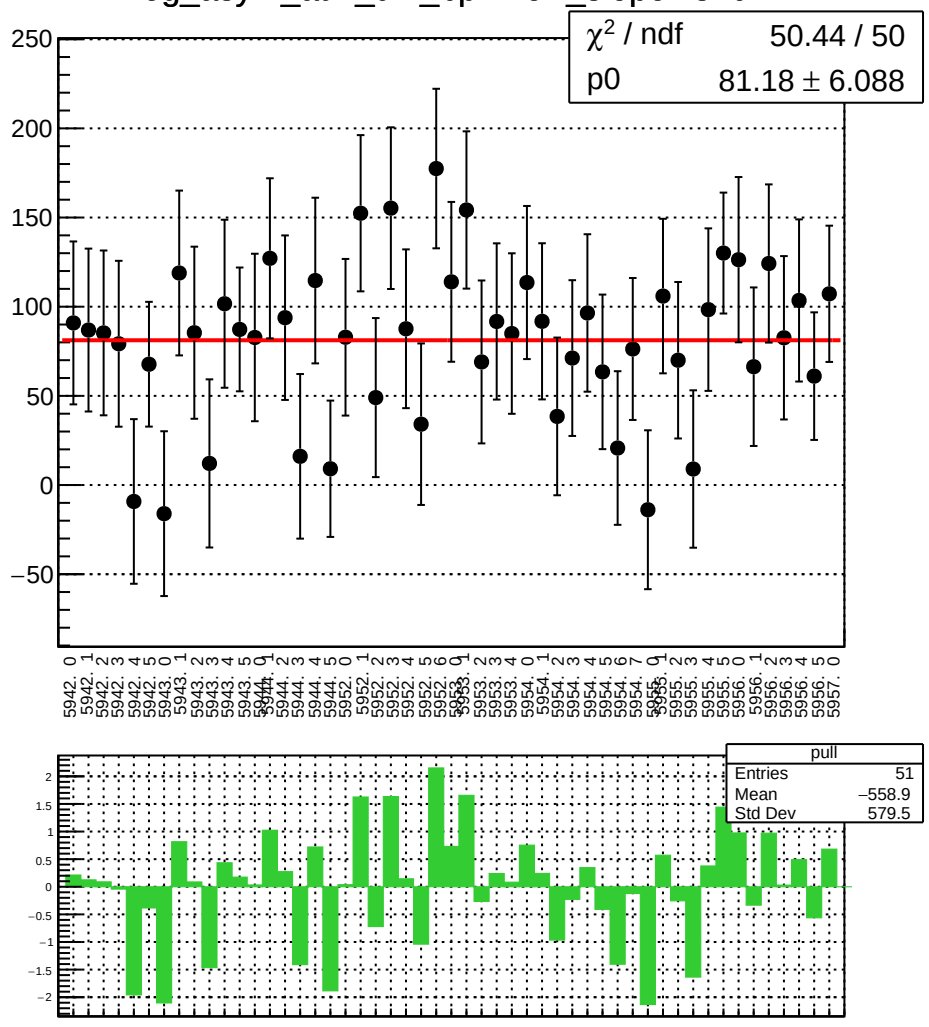

pull1D
Entries 51
Mean −0.002333
Std Dev 0.1544

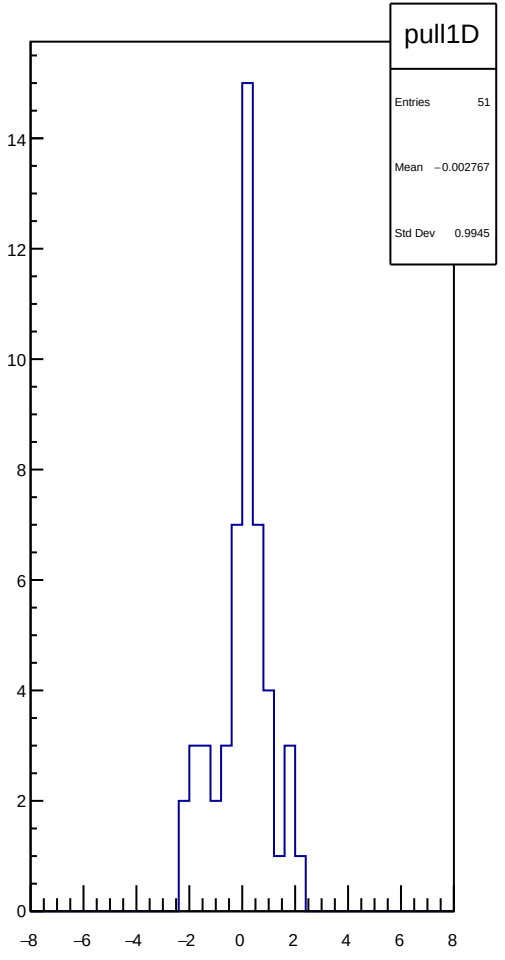

reg_asym_atl1_diff_bpm4aX_slope vs run
χ² / ndf 48.89 / 50
p0 −36.26 ± 5.737
pull
Entries 51
Mean −594.5
Std Dev 615.7

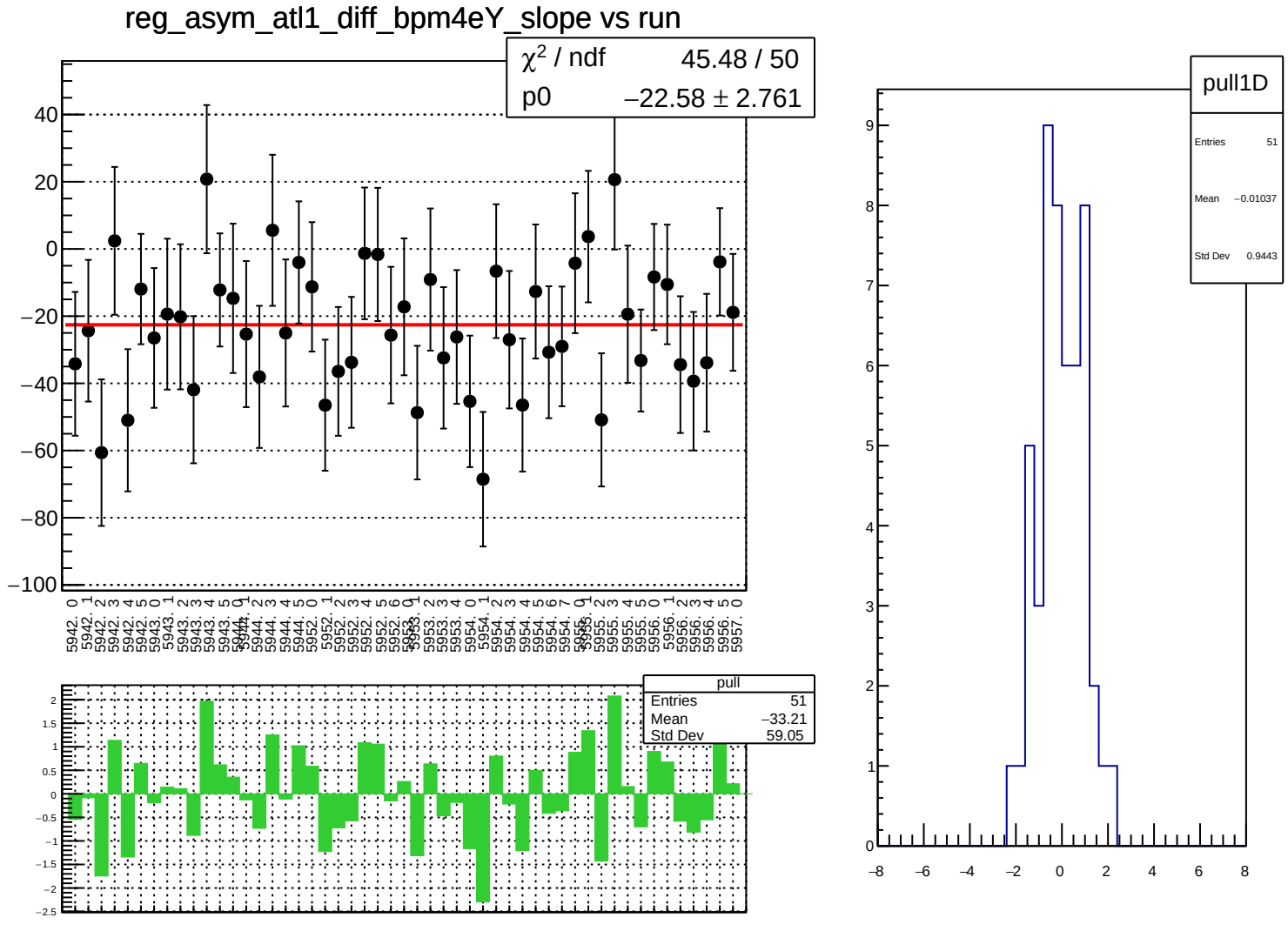

pull1D
Entries 51
Mean 0.002893
Std Dev 0.9791

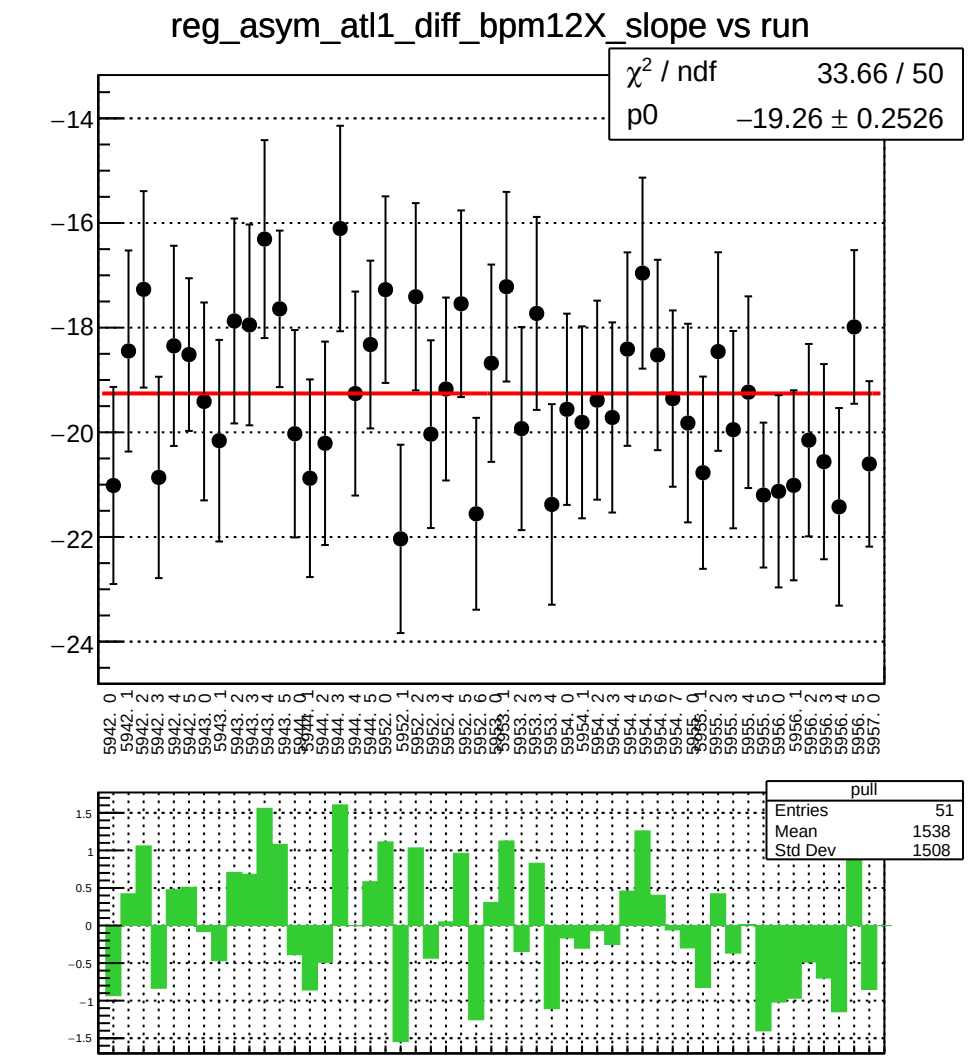

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 43.64 / 50
p0 13.72 ± 2.118
pull
Entries 51
Mean 44.33
Std Dev 4.885

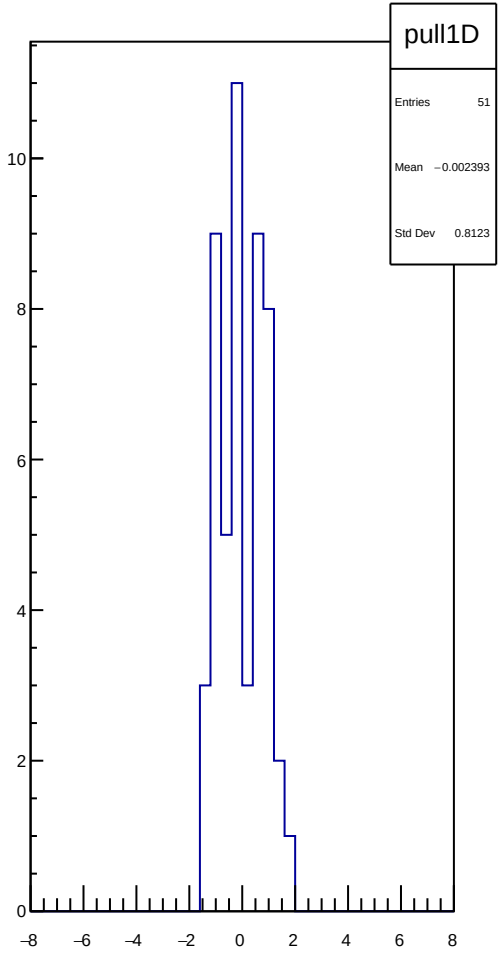

pull1D
Entries 51
Mean 0.006549
Std Dev 0.925

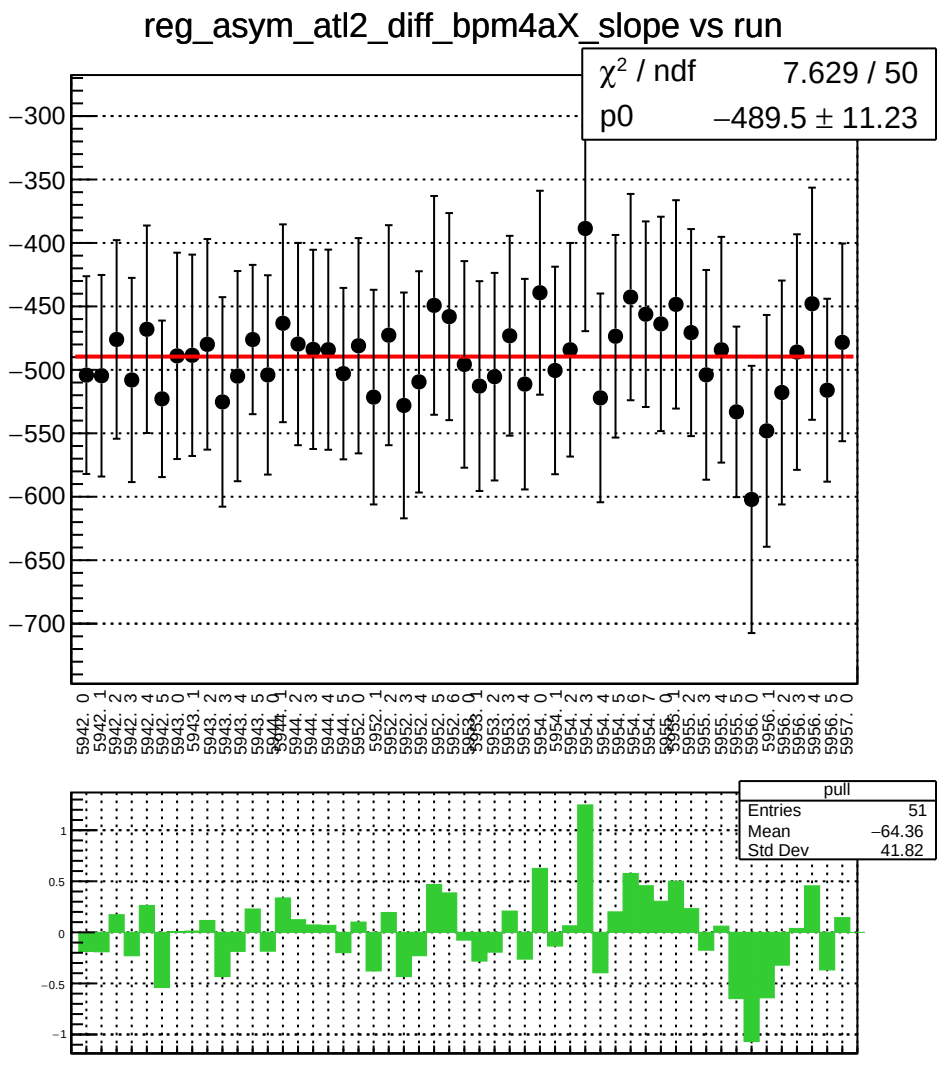

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 50.44 / 50
p0 81.18 ± 6.088
pull
Entries 51
Mean −558.9
Std Dev 579.5

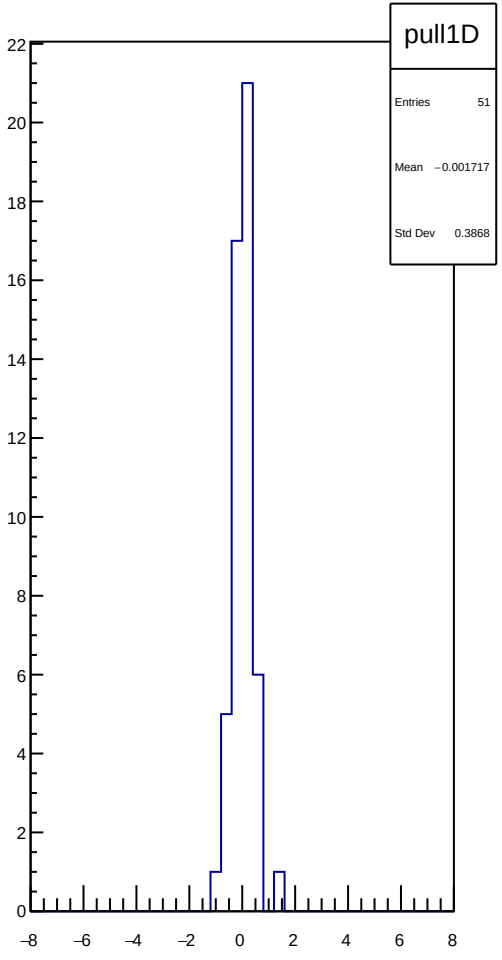

pull1D
Entries 51
Mean −0.002767
Std Dev 0.9945

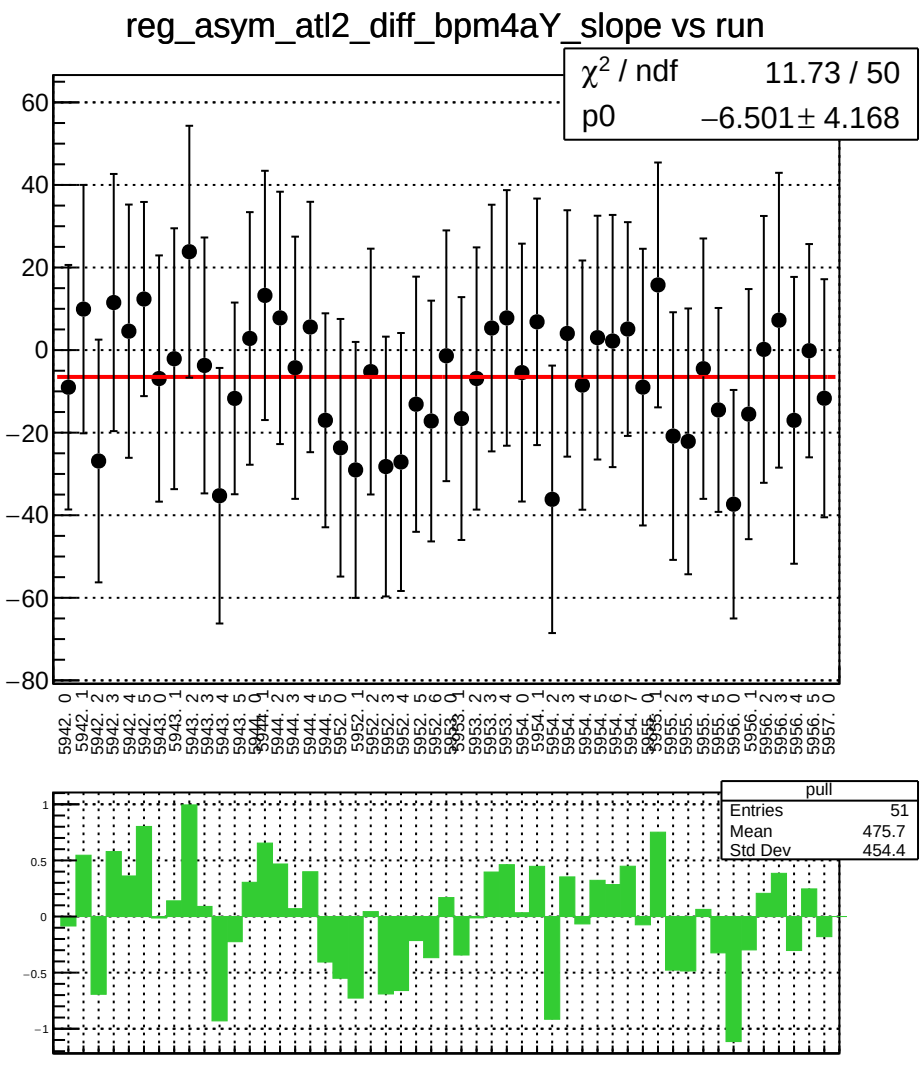

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 45.48 / 50
p0 −22.58 ± 2.761
pull
Entries 51
Mean −33.21
Std Dev 59.05
pull1D
Entries 51
Mean −0.01037
Std Dev 0.9443

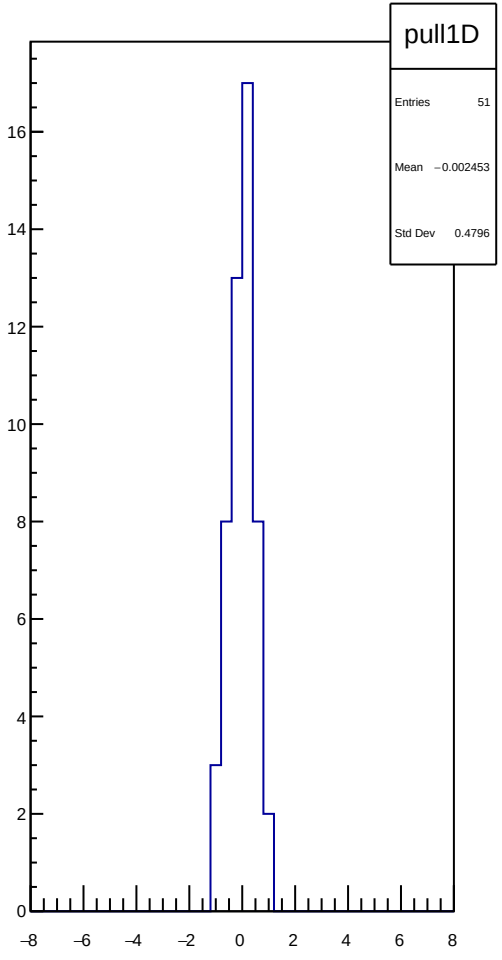

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 33.66 / 50
p0 −19.26 ± 0.2526
pull
Entries 51
Mean 1538
Std Dev 1508

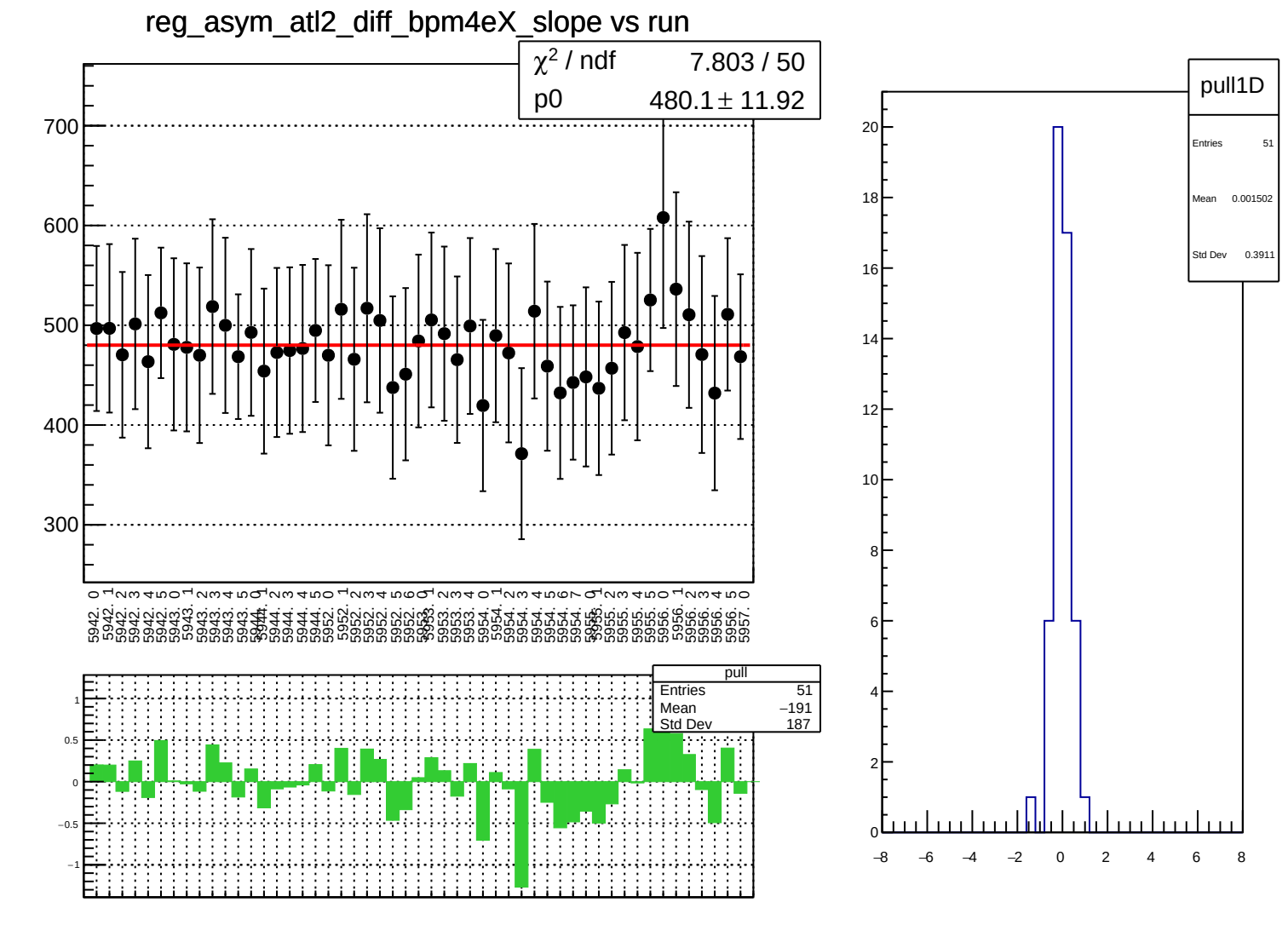

pull1D
Entries 51
Mean −0.002393
Std Dev 0.8123

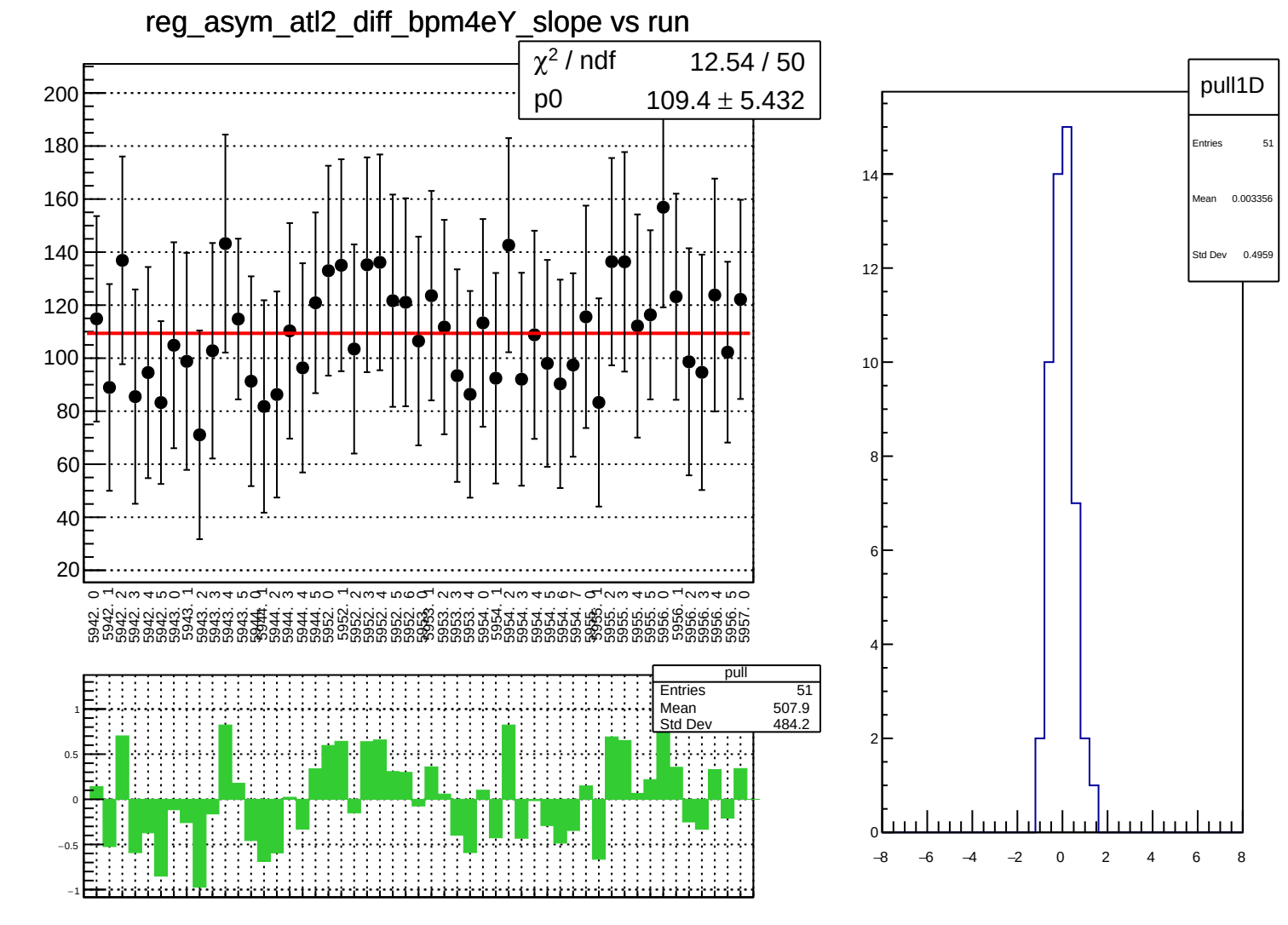

reg_asym_atl2_diff_bpm4aX_slope vs run
χ² / ndf 7.629 / 50
p0 −489.5 ± 11.23
pull
Entries 51
Mean −64.36
Std Dev 41.82

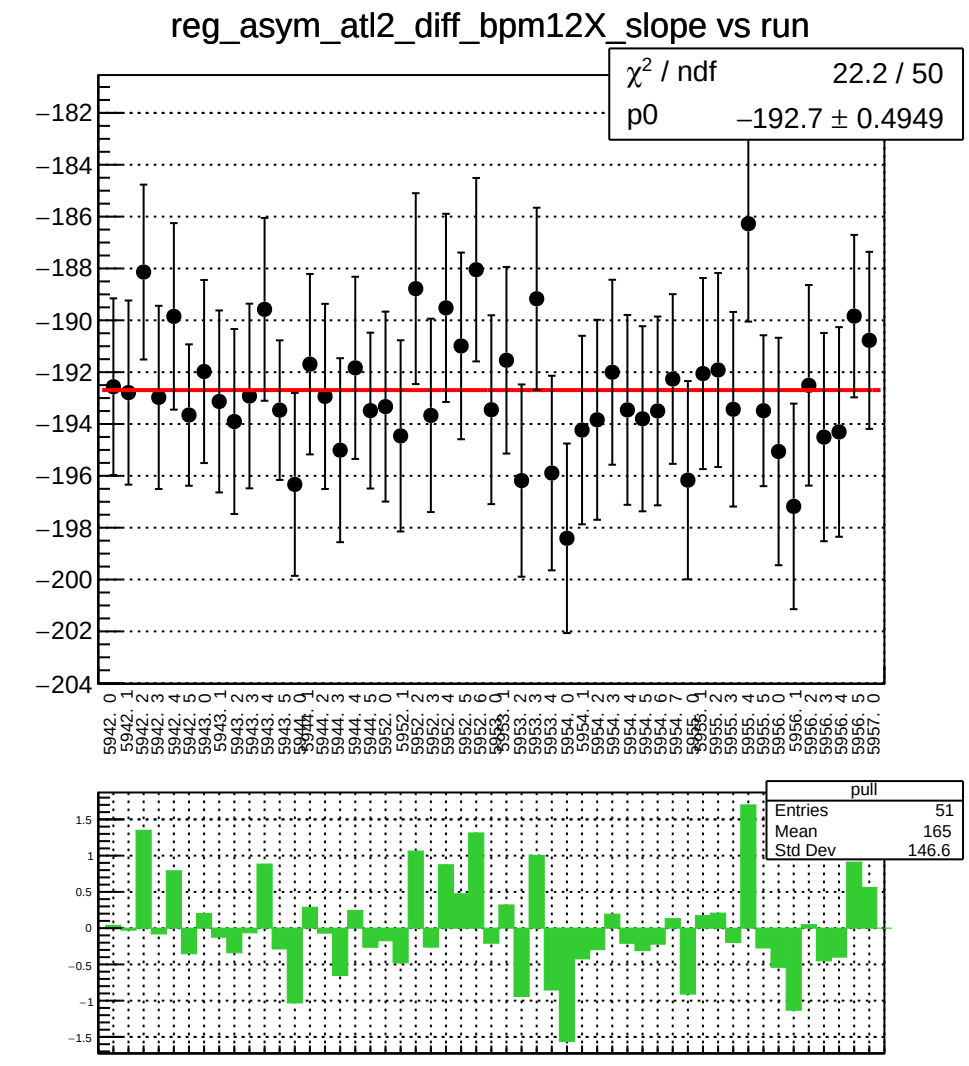

pull1D
Entries 51
Mean −0.001717
Std Dev 0.3868

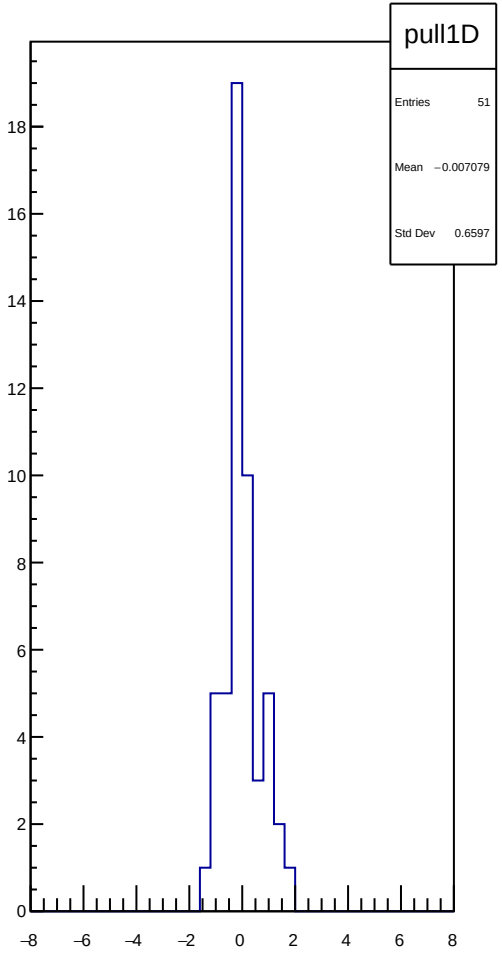

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 11.73 / 50
p0 −6.501 ± 4.168
pull
Entries 51
Mean 475.7
Std Dev 454.4

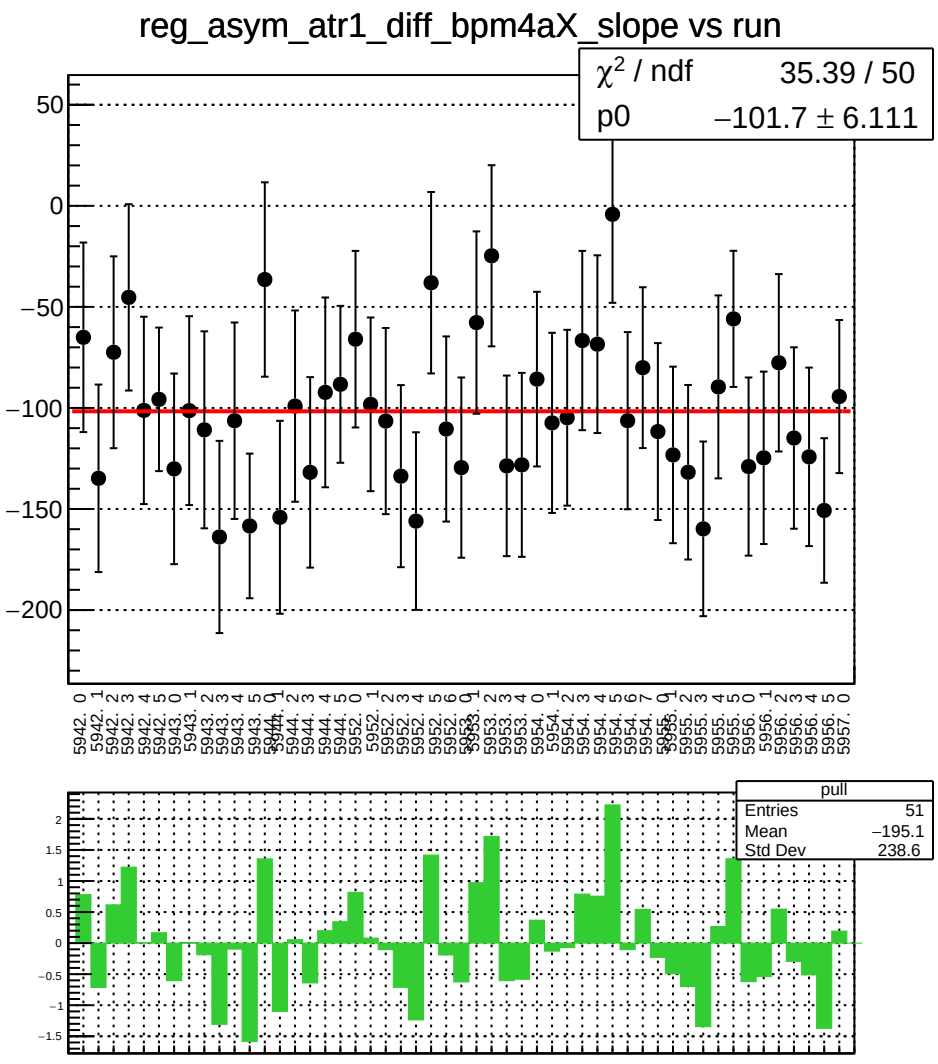

pull1D
Entries 51
Mean −0.002453
Std Dev 0.4796

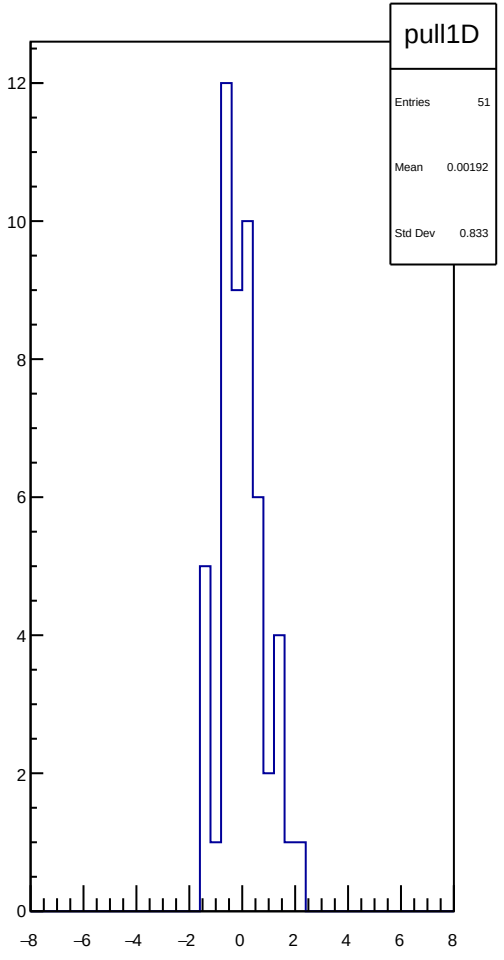

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 7.803 / 50
p0 480.1 ± 11.92
pull
Entries 51
Mean −191
Std Dev 187
pull1D
Entries 51
Mean 0.001502
Std Dev 0.3911

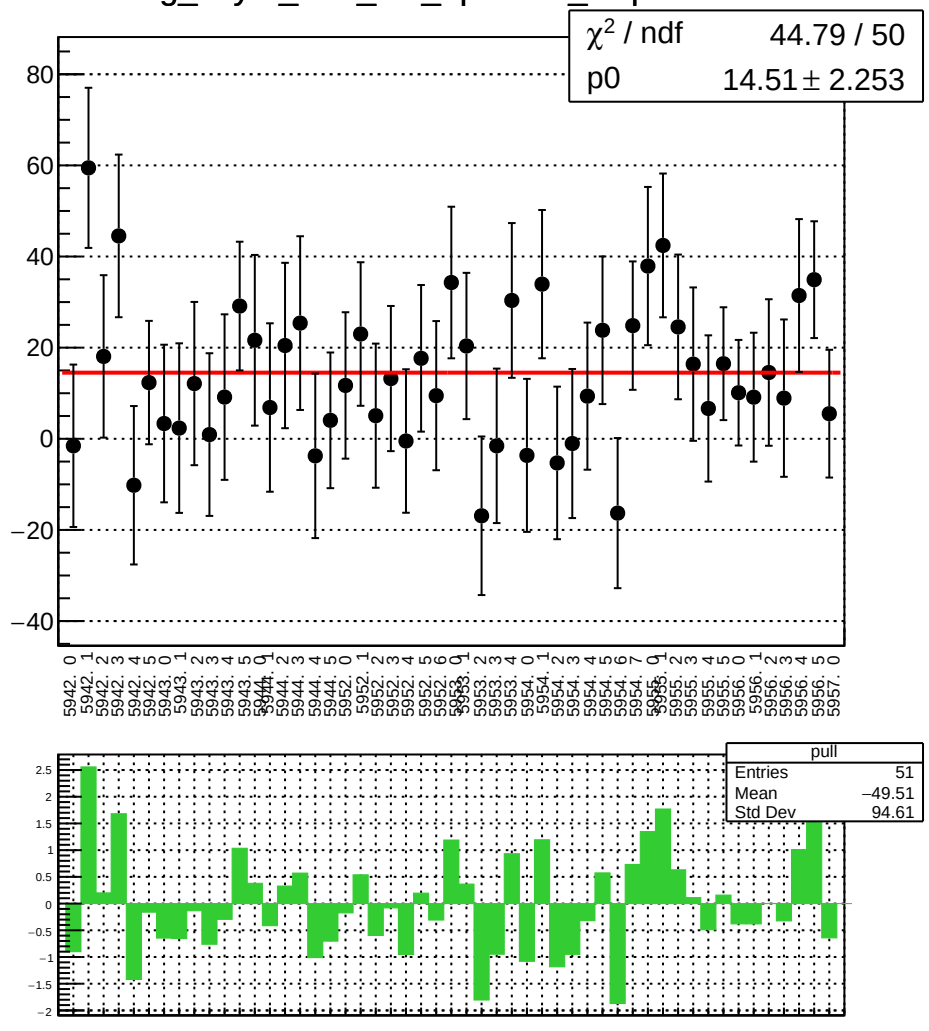

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 12.54 / 50
p0 109.4 ± 5.432
pull
Entries 51
Mean 507.9
Std Dev 484.2
pull1D
Entries 51
Mean 0.003356
Std Dev 0.4959

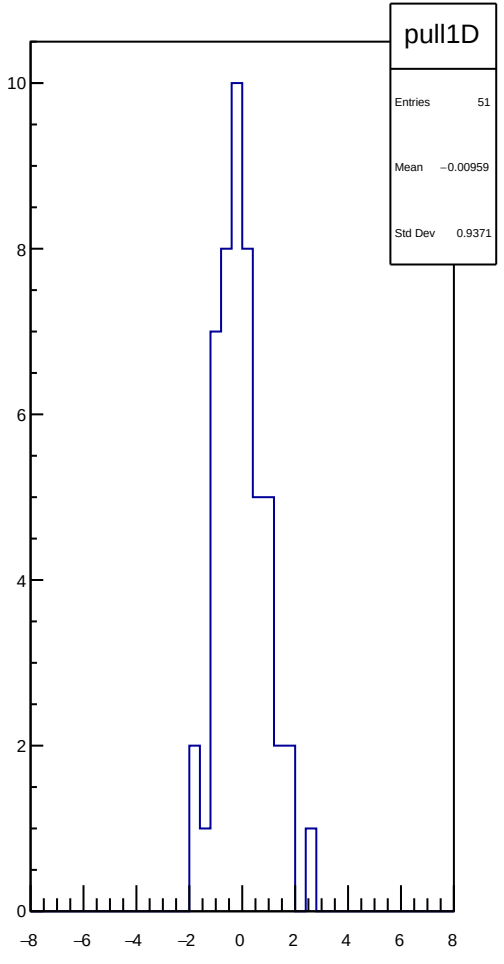

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 22.2 / 50
p0 −192.7 ± 0.4949
pull
Entries 51
Mean 165
Std Dev 146.6

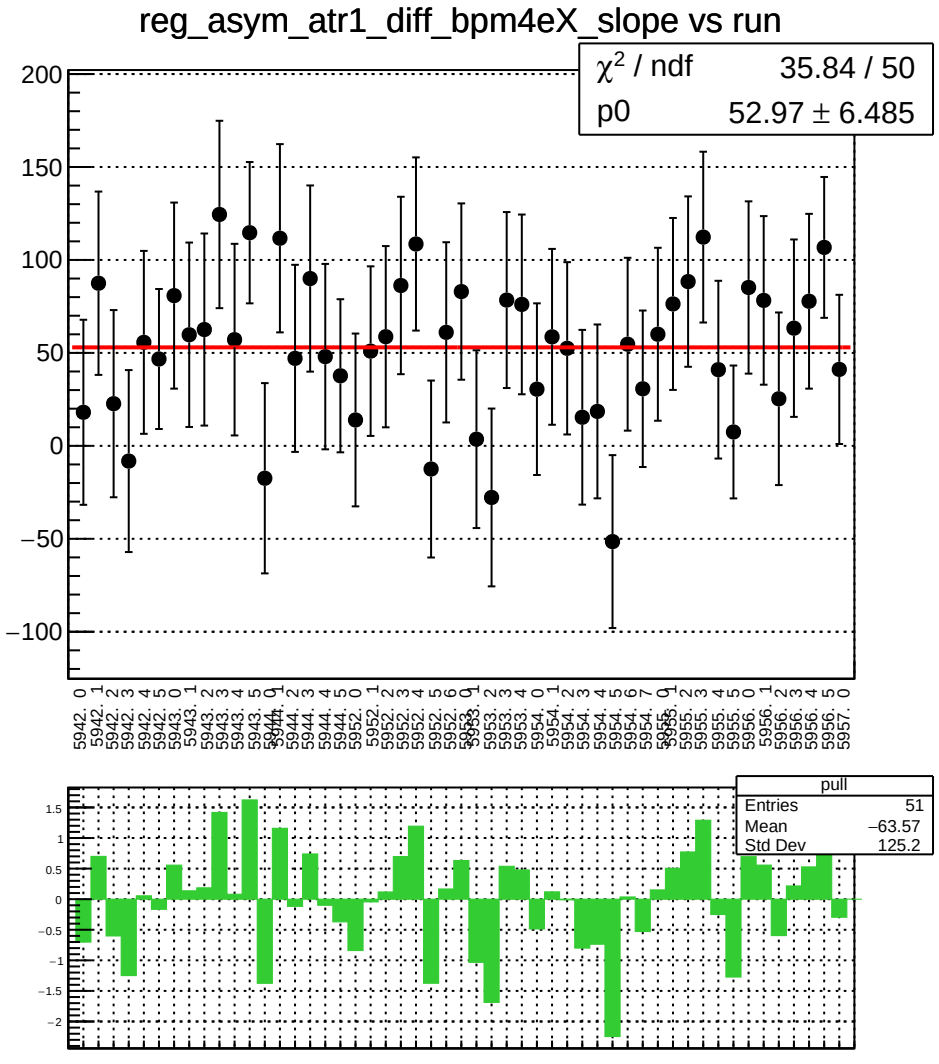

pull1D
Entries 51
Mean −0.007079
Std Dev 0.6597

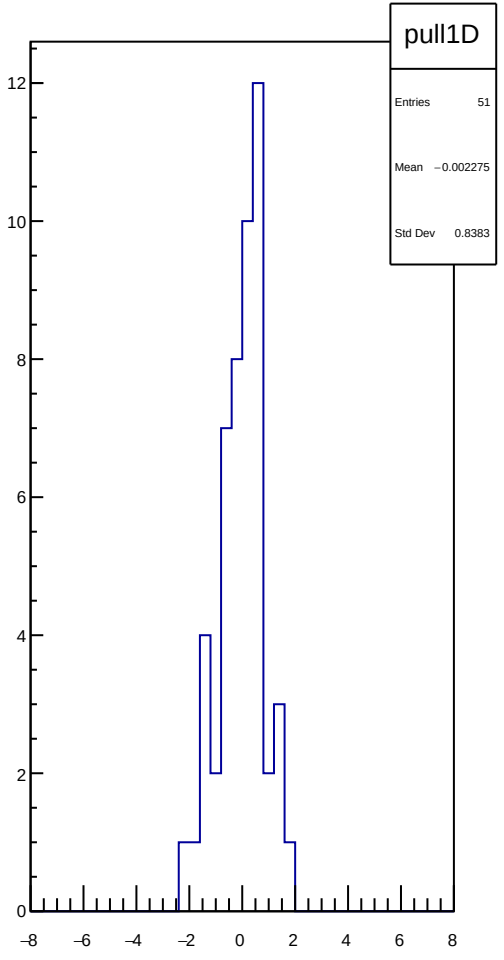

reg_asym_atr1_diff_bpm4aX_slope vs run
χ² / ndf 35.39 / 50
p0 −101.7 ± 6.111
pull
Entries 51
Mean −195.1
Std Dev 238.6

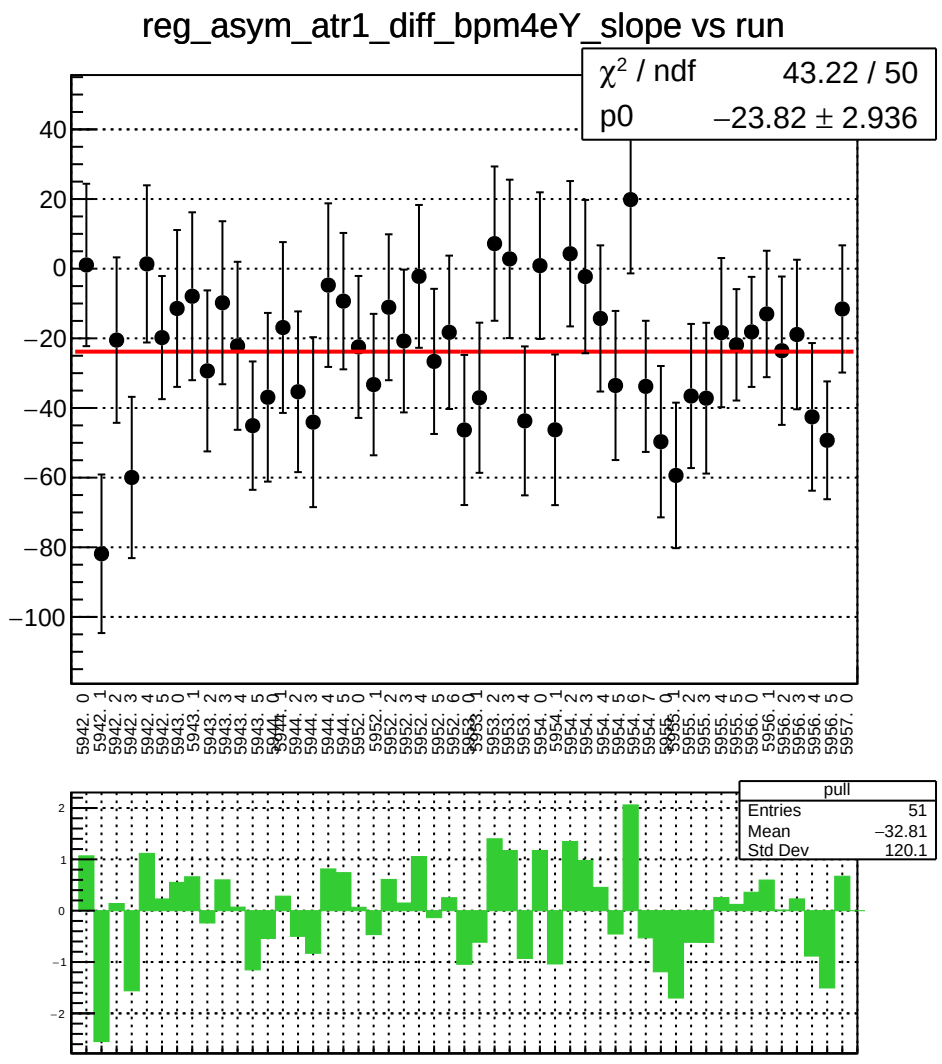

pull1D
Entries 51
Mean 0.00192
Std Dev 0.833

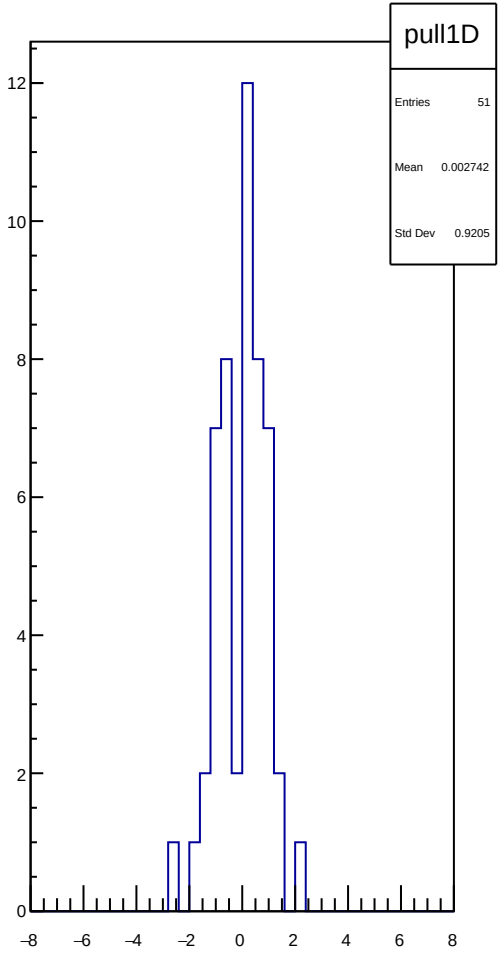

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 44.79 / 50
p0 14.51 ± 2.253
pull
Entries 51
Mean −49.51
Std Dev 94.61

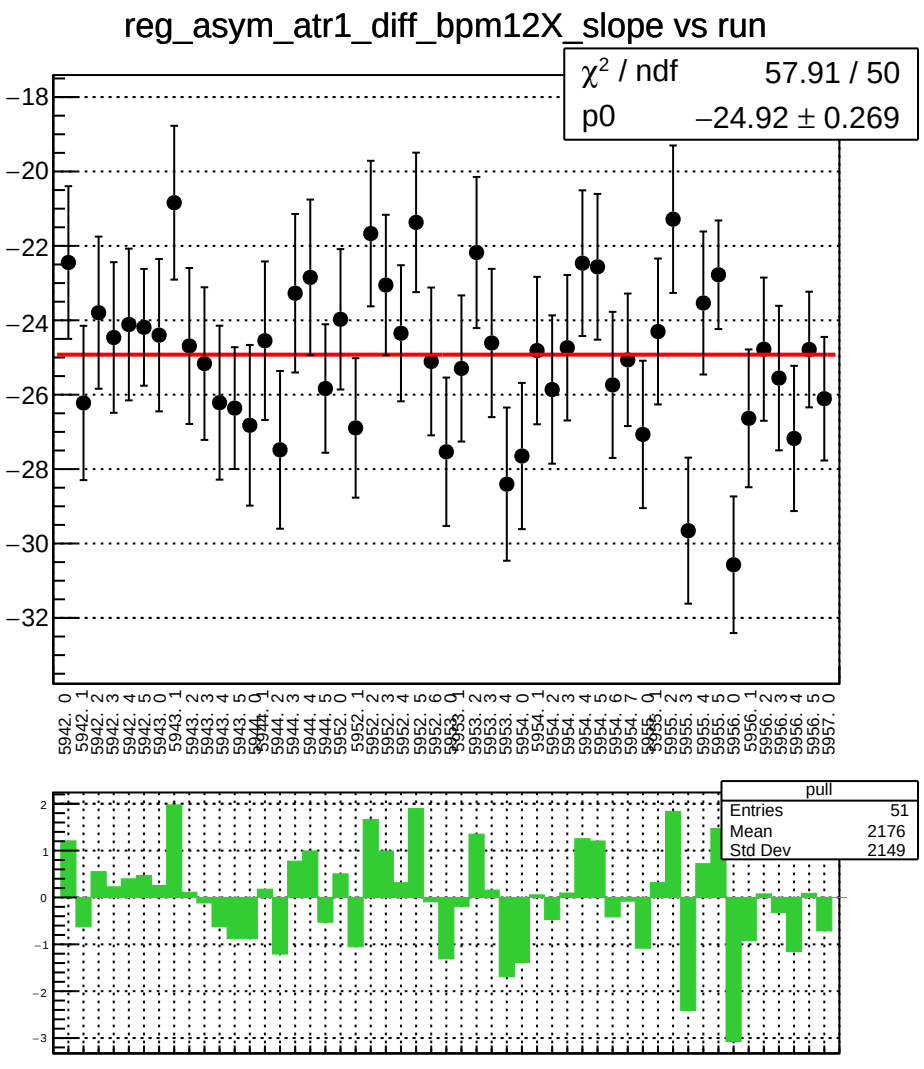

pull1D
Entries 51
Mean −0.00959
Std Dev 0.9371

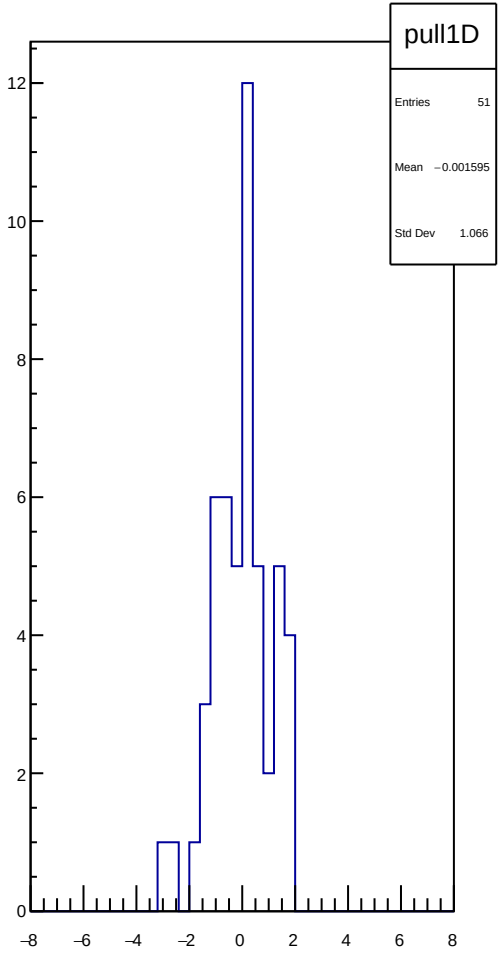

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 35.84 / 50
p0 52.97 ± 6.485
pull
Entries 51
Mean −63.57
Std Dev 125.2

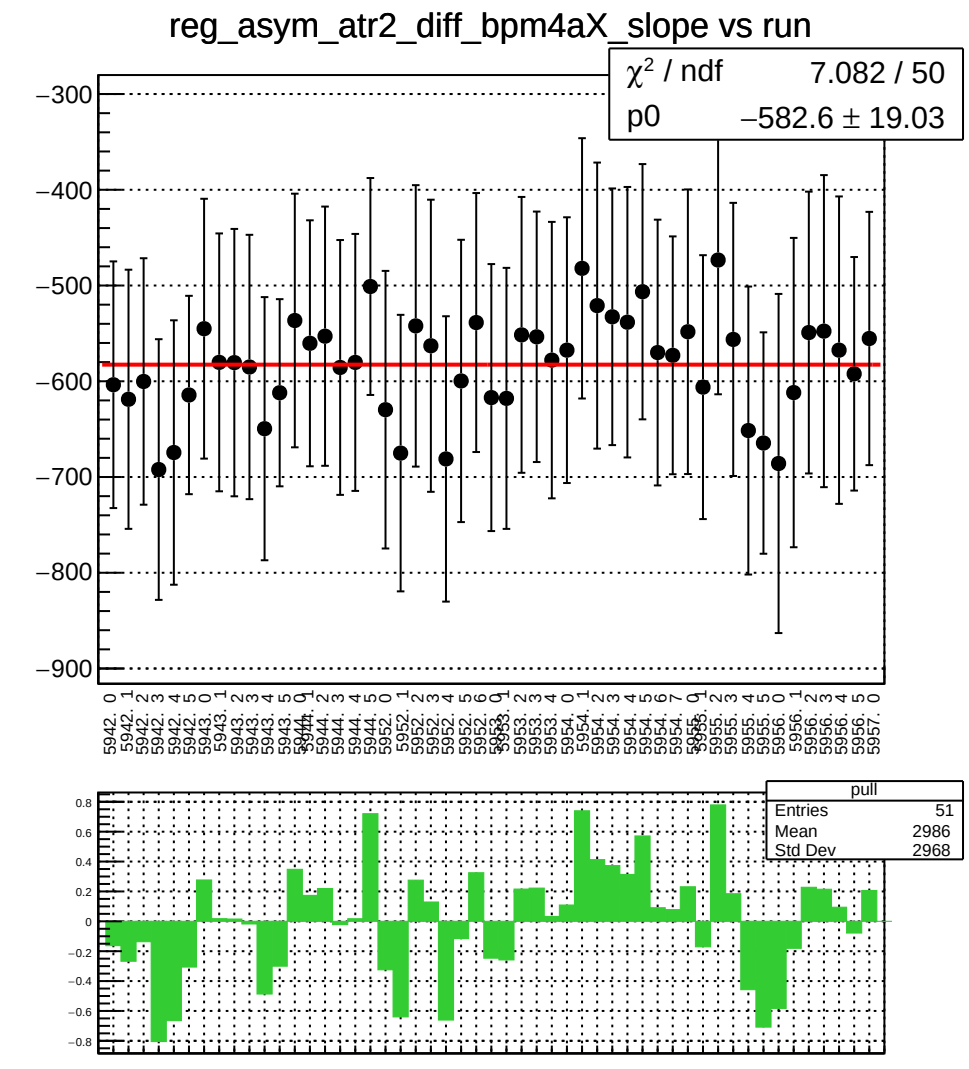

pull1D
Entries 51
Mean −0.002275
Std Dev 0.8383

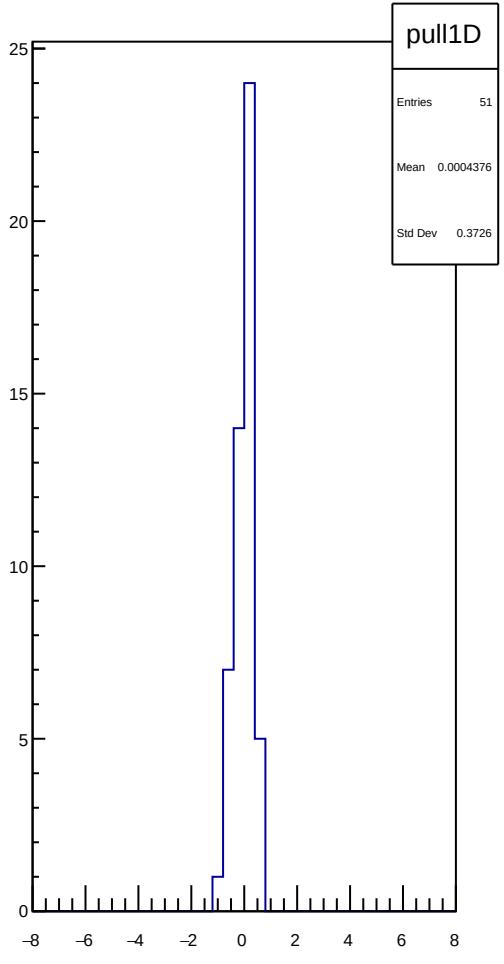

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 43.22 / 50
p0 −23.82 ± 2.936
pull
Entries 51
Mean −32.81
Std Dev 120.1

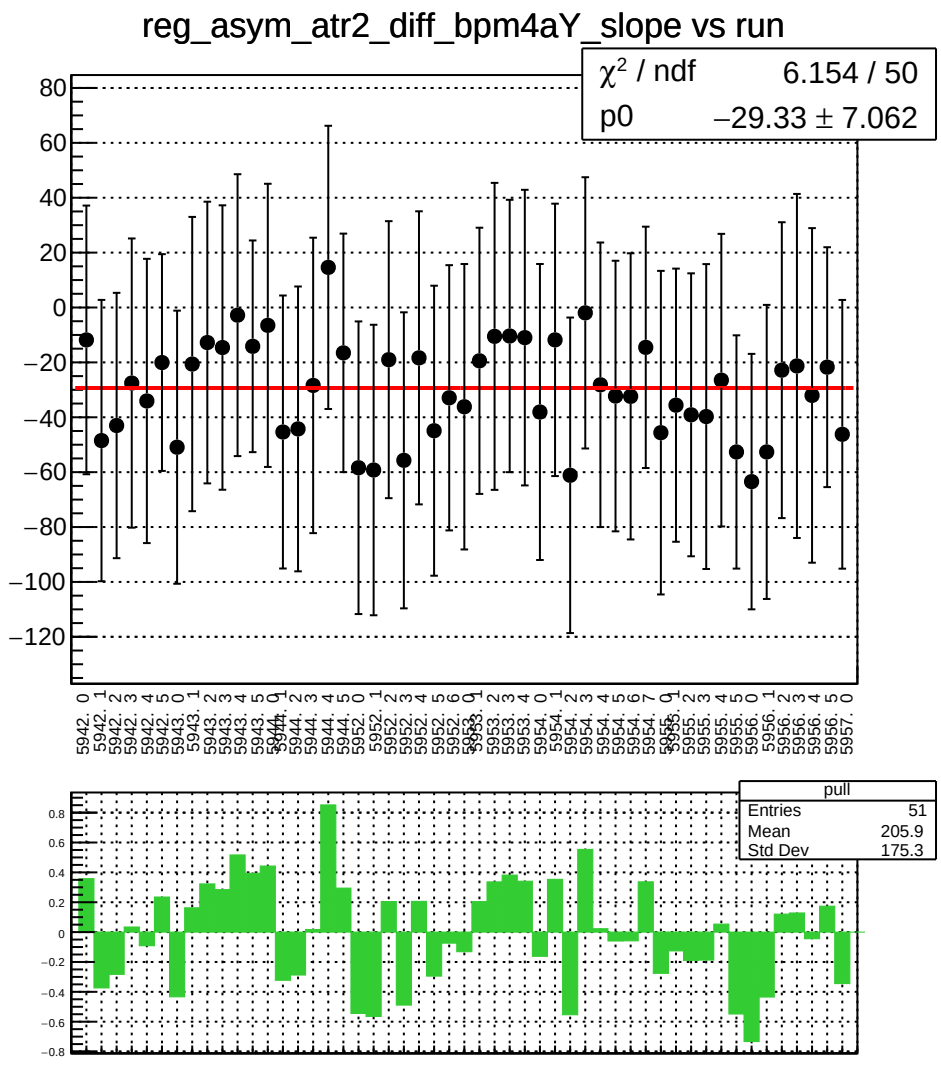

pull1D
Entries 51
Mean 0.002742
Std Dev 0.9205

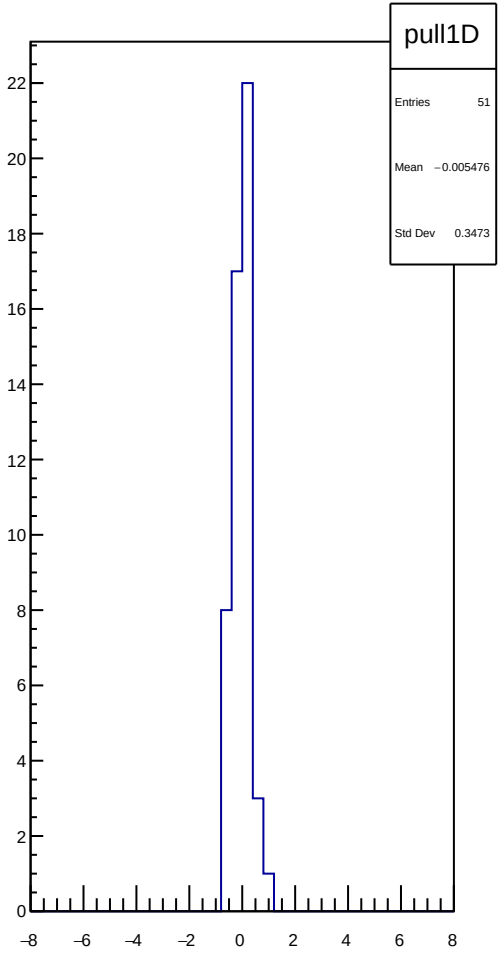

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 57.91 / 50
p0 −24.92 ± 0.269
pull
Entries 51
Mean 2176
Std Dev 2149

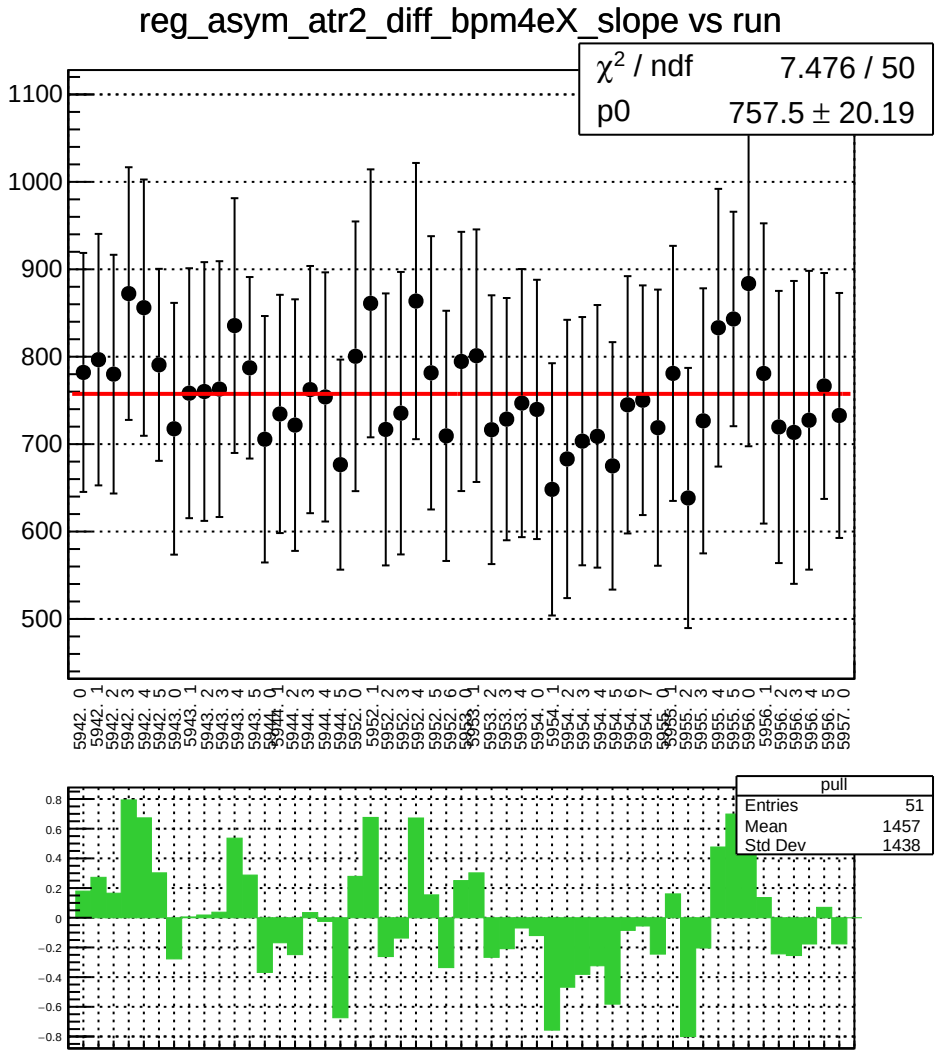

pull1D
Entries 51
Mean −0.001595
Std Dev 1.066

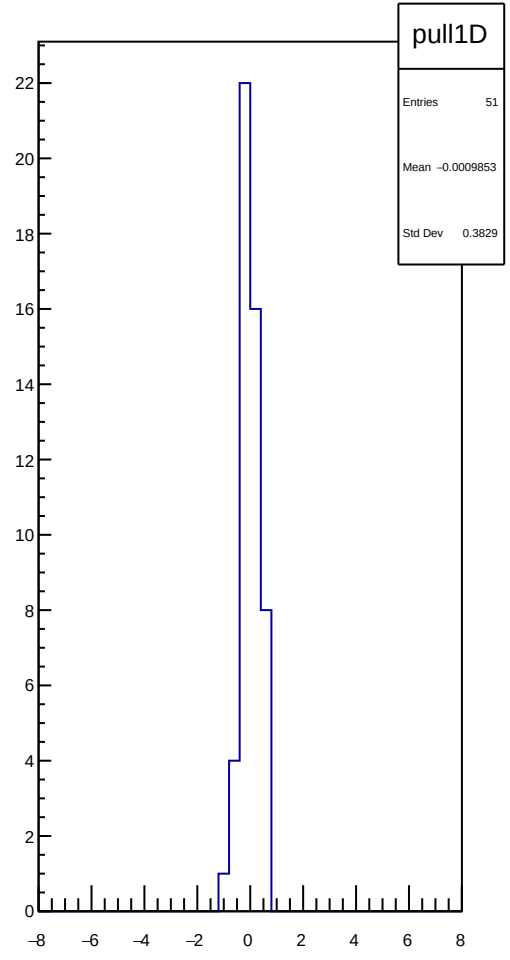

reg_asym_atr2_diff_bpm4aX_slope vs run
χ² / ndf 7.082 / 50
p0 −582.6 ± 19.03
pull
Entries 51
Mean 2986
Std Dev 2968

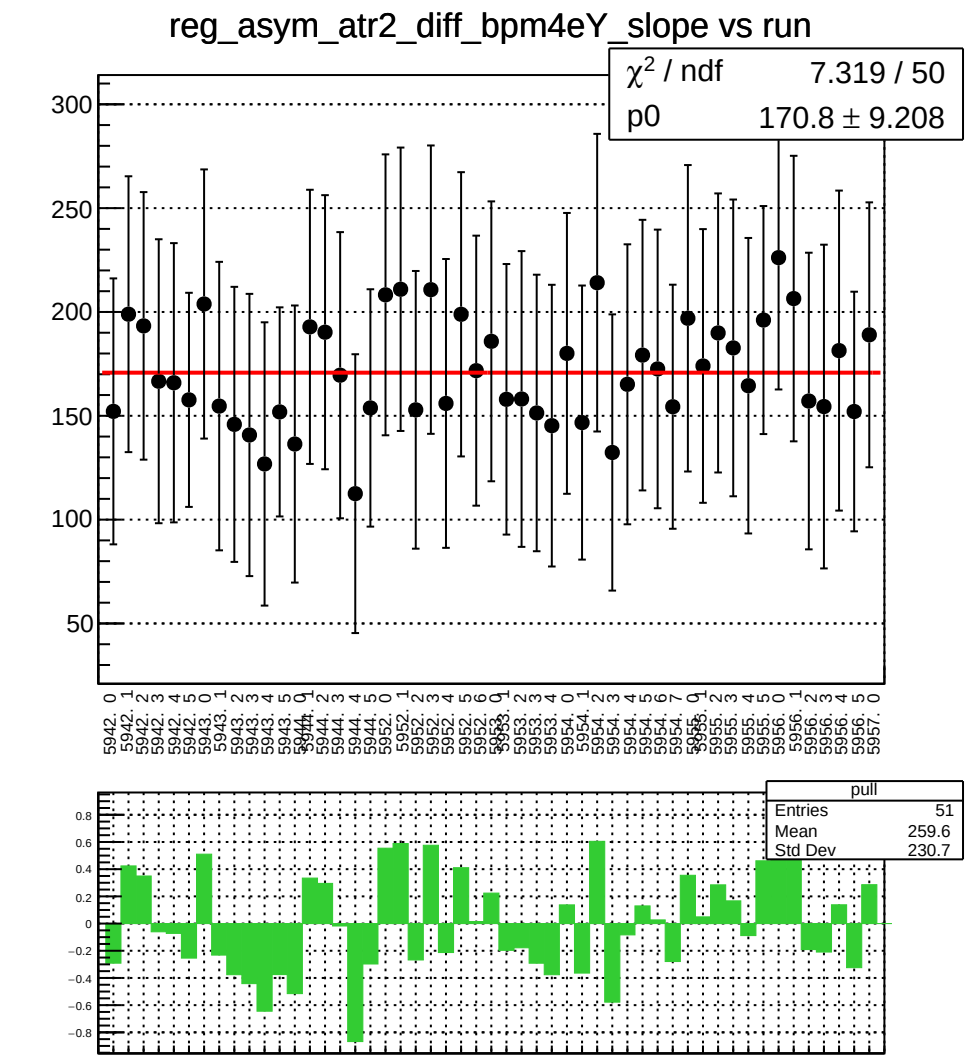

pull1D
Entries 51
Mean 0.0004376
Std Dev 0.3726

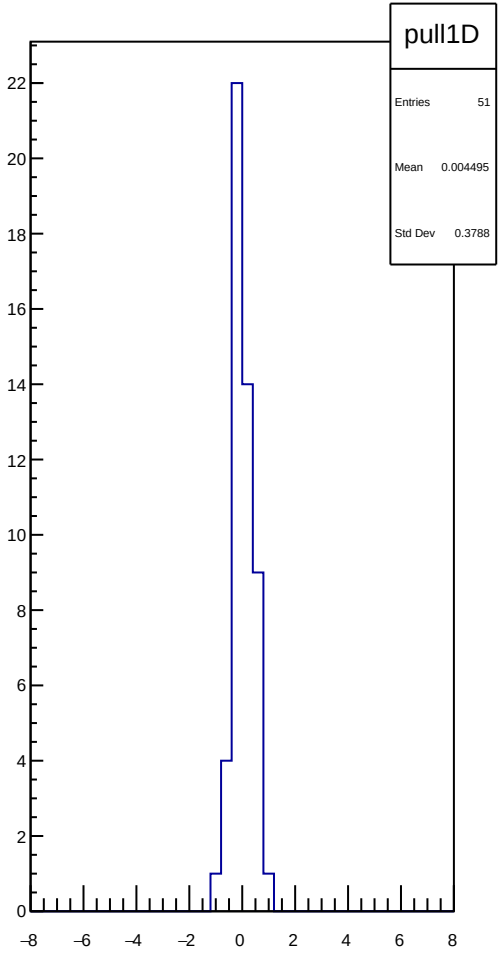

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 6.154 / 50
p0 −29.33 ± 7.062
pull
Entries 51
Mean 205.9
Std Dev 175.3

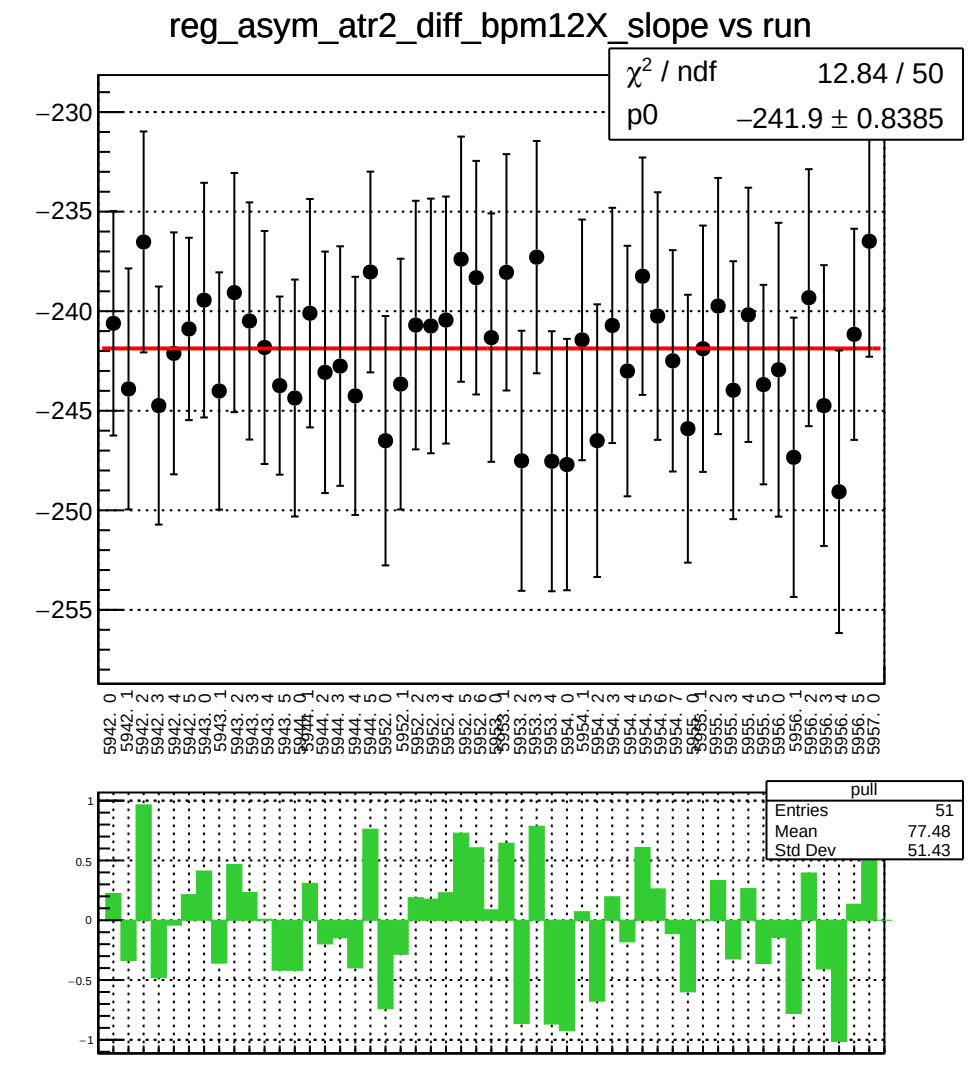

pull1D
Entries 51
Mean −0.005476
Std Dev 0.3473

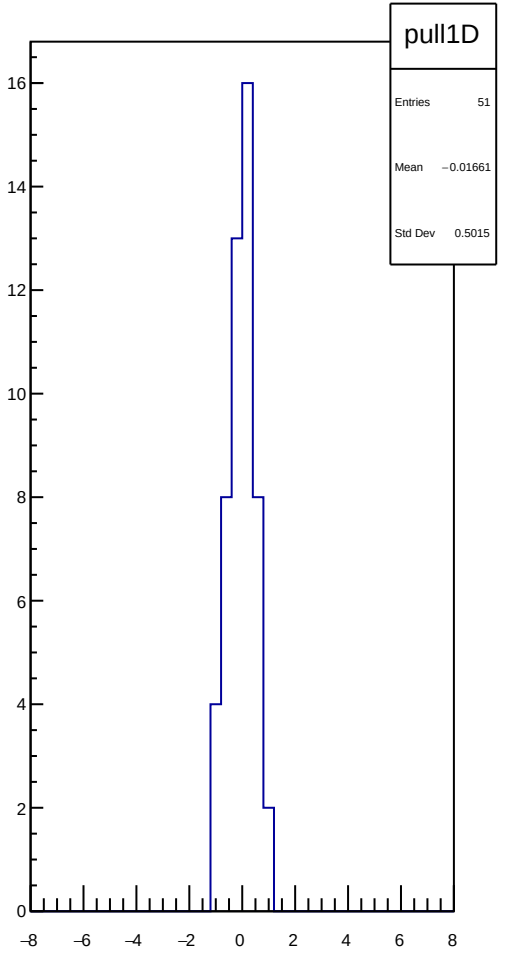

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 7.476 / 50
p0 757.5 ± 20.19
pull
Entries 51
Mean 1457
Std Dev 1438

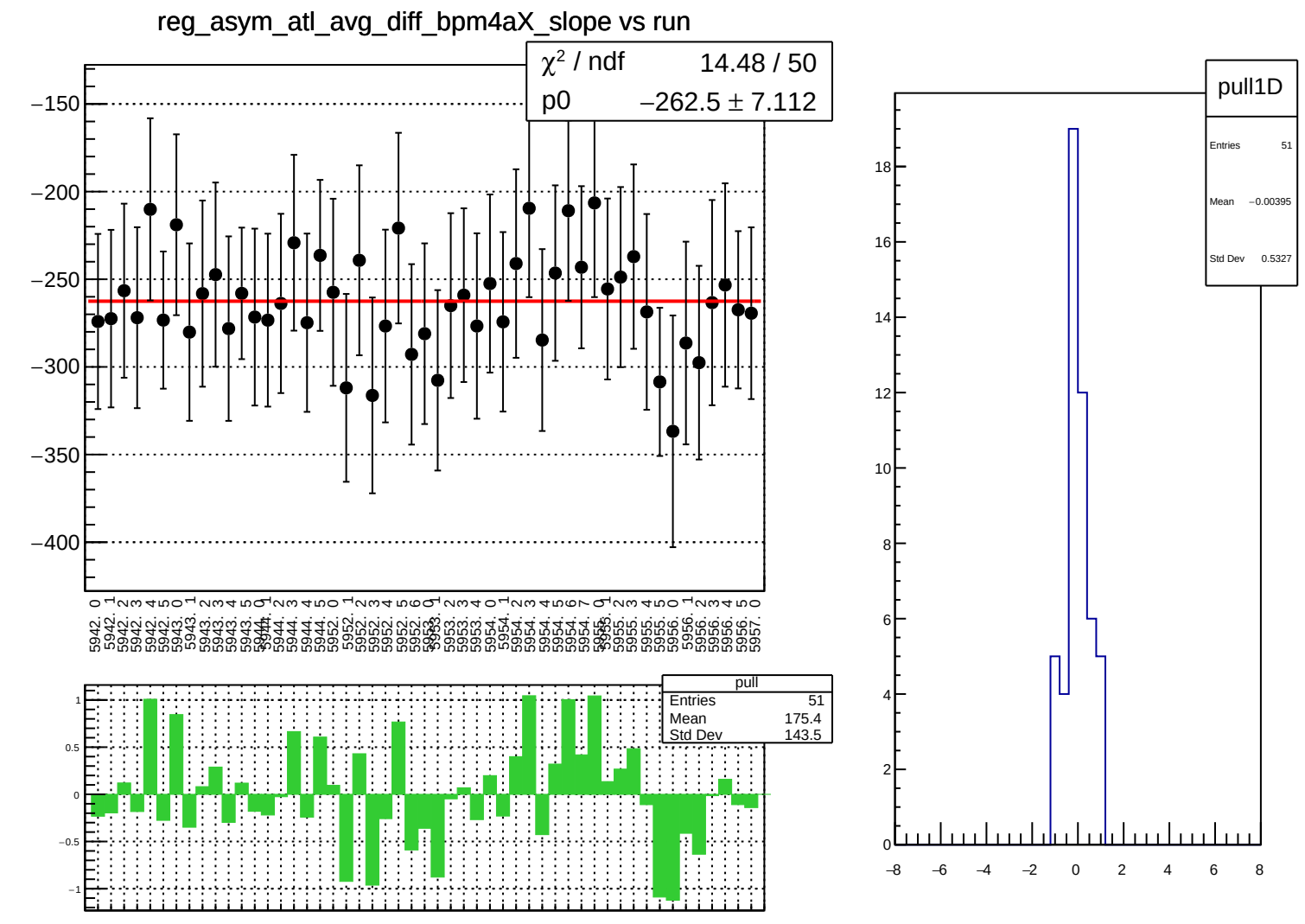

pull1D
Entries 51
Mean −0.0009853
Std Dev 0.3829

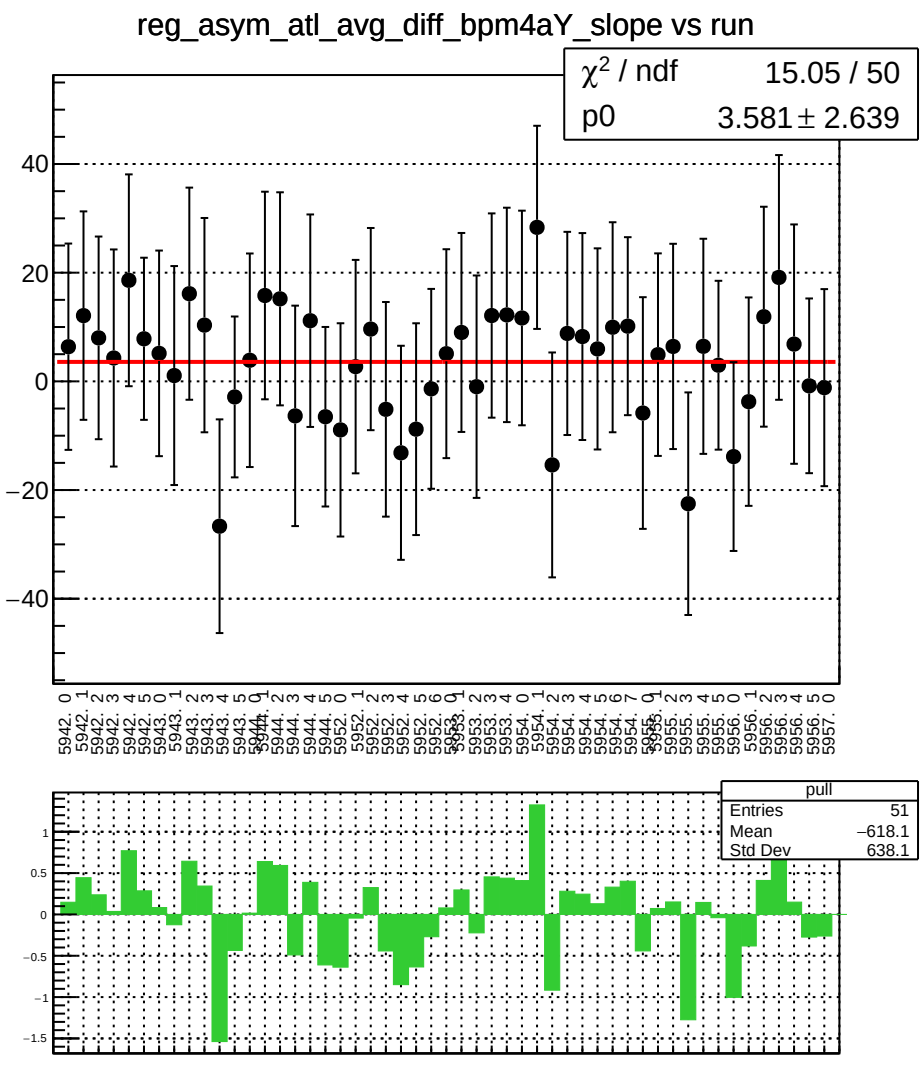

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 7.319 / 50
p0 170.8 ± 9.208
pull
Entries 51
Mean 259.6
Std Dev 230.7

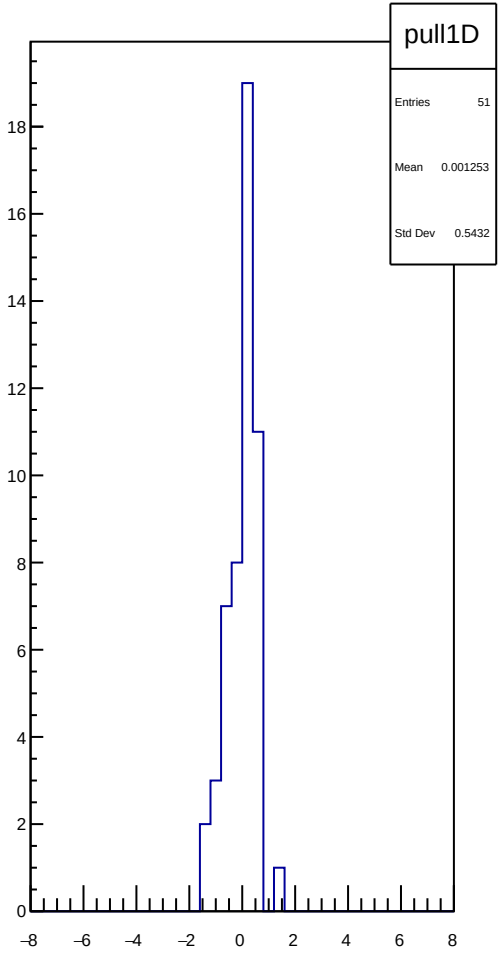

pull1D
Entries 51
Mean 0.004495
Std Dev 0.3788

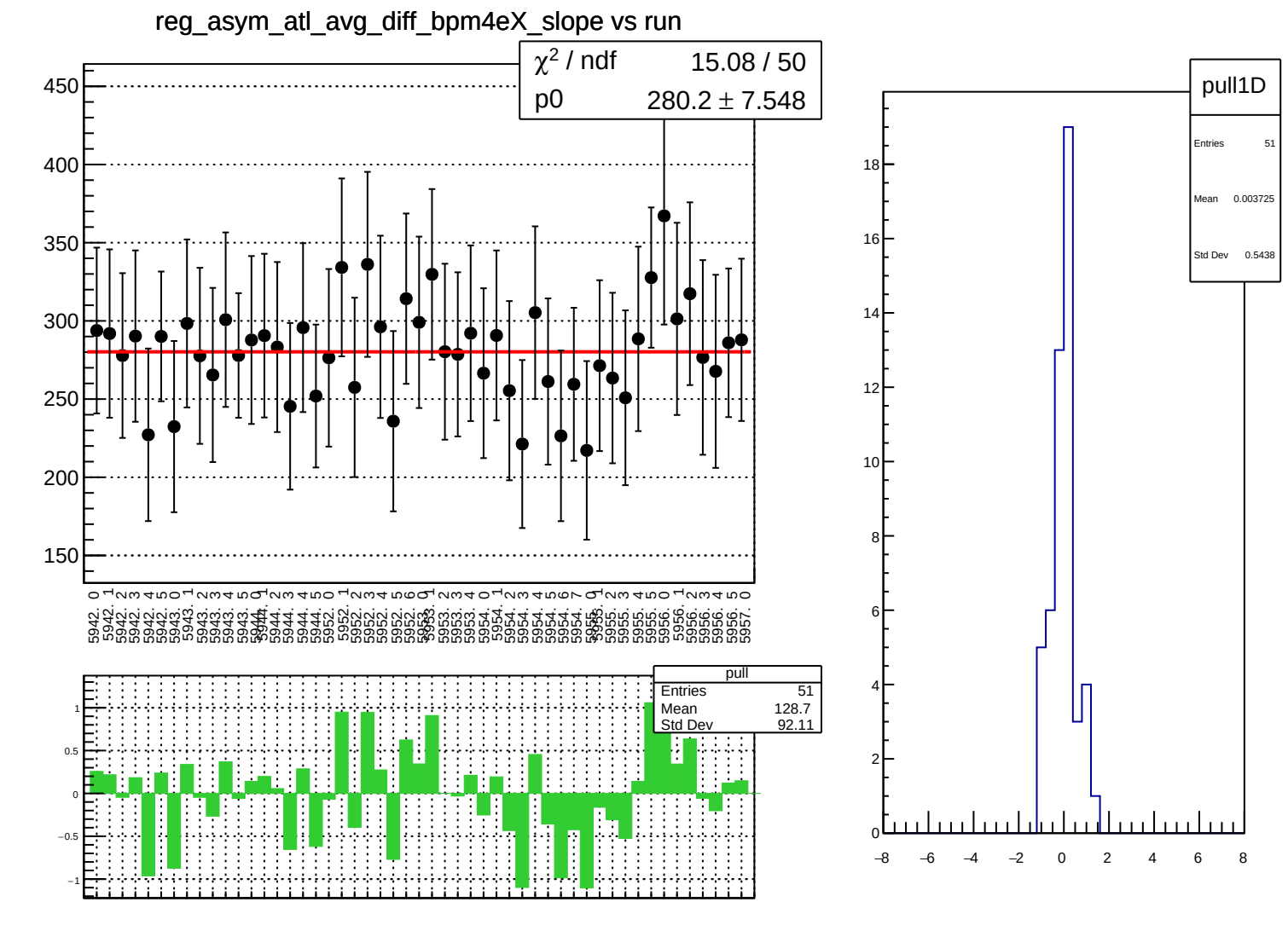

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 12.84 / 50
p0 −241.9 ± 0.8385
pull
Entries 51
Mean 77.48
Std Dev 51.43

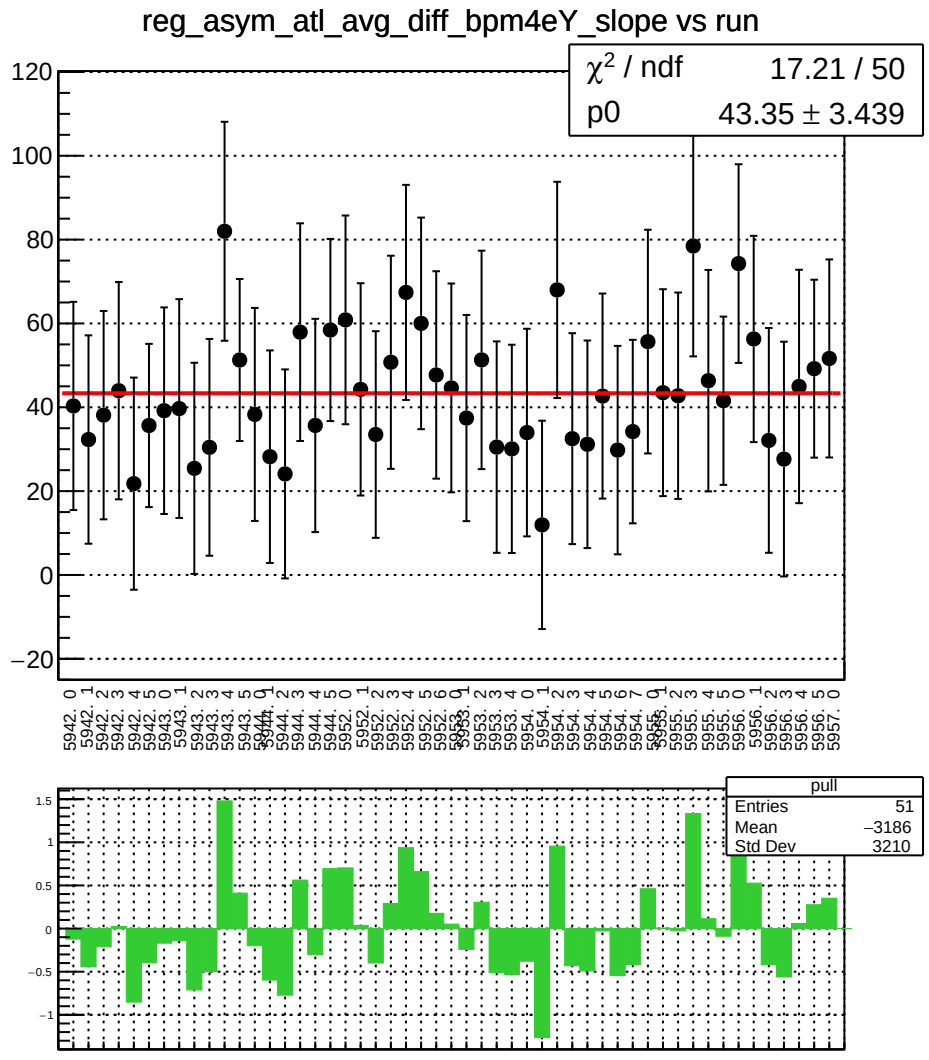

pull1D
Entries 51
Mean −0.01661
Std Dev 0.5015

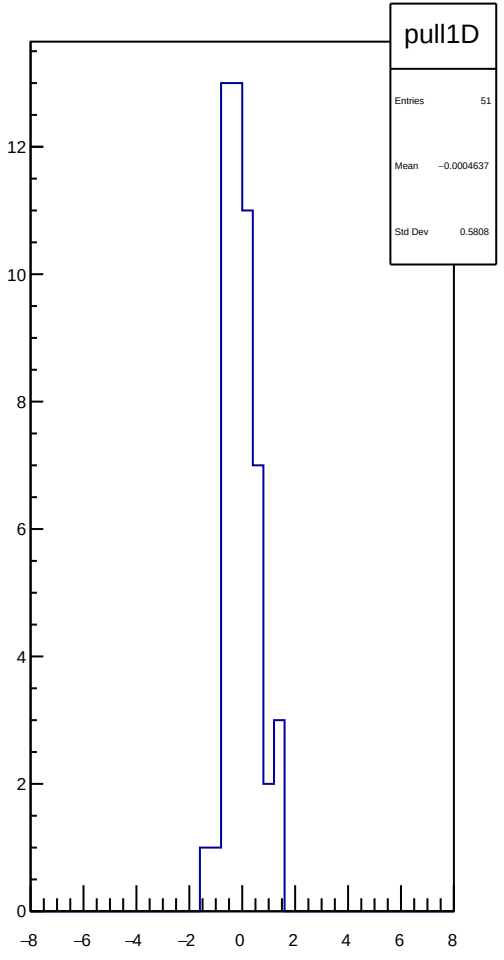

reg_asym_atl_avg_diff_bpm4aX_slope vs run
χ² / ndf 14.48 / 50
p0 −262.5 ± 7.112
pull
Entries 51
Mean 175.4
Std Dev 143.5
pull1D
Entries 51
Mean −0.00395
Std Dev 0.5327

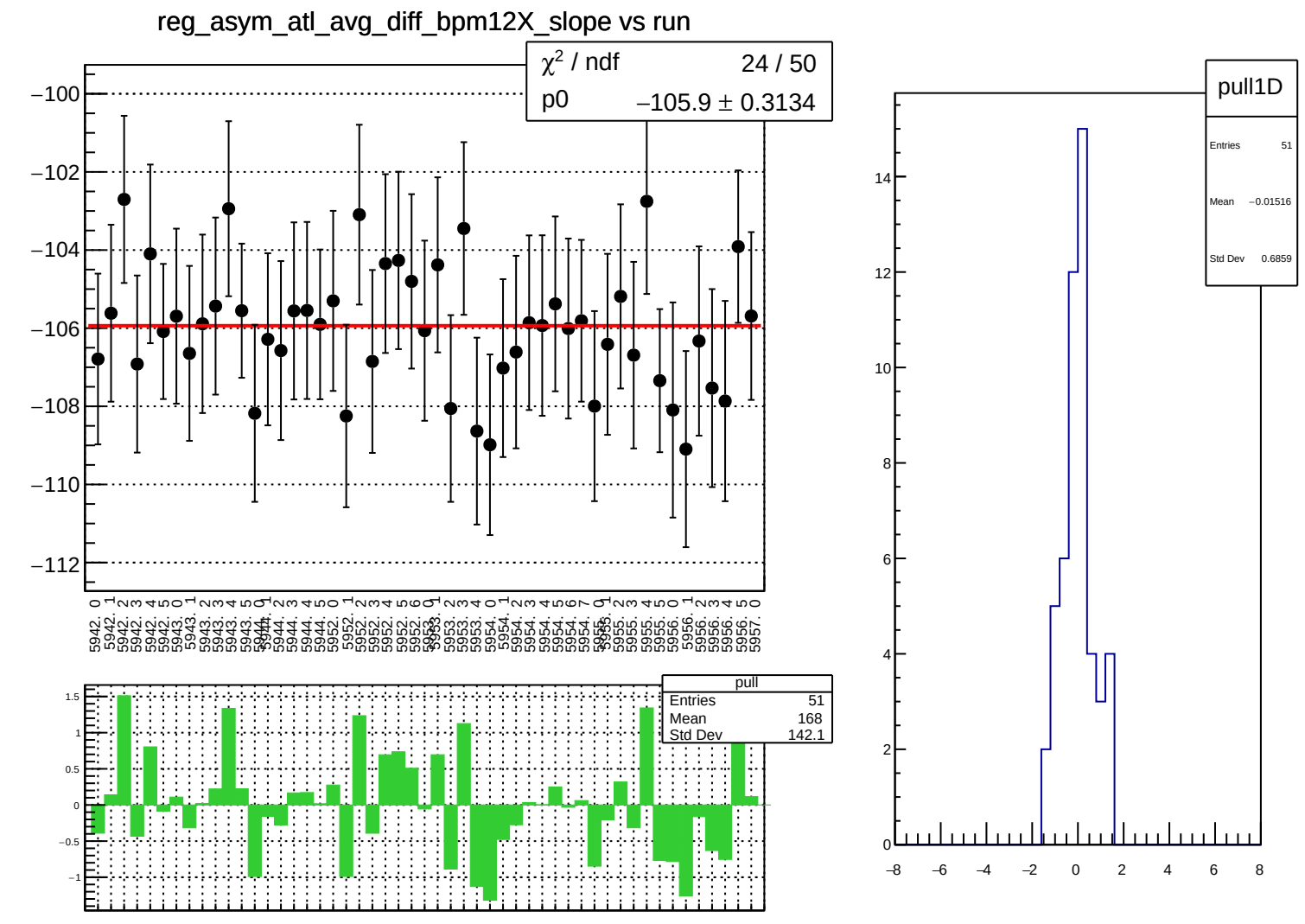

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 15.05 / 50
p0 3.581 ± 2.639
pull
Entries 51
Mean −618.1
Std Dev 638.1

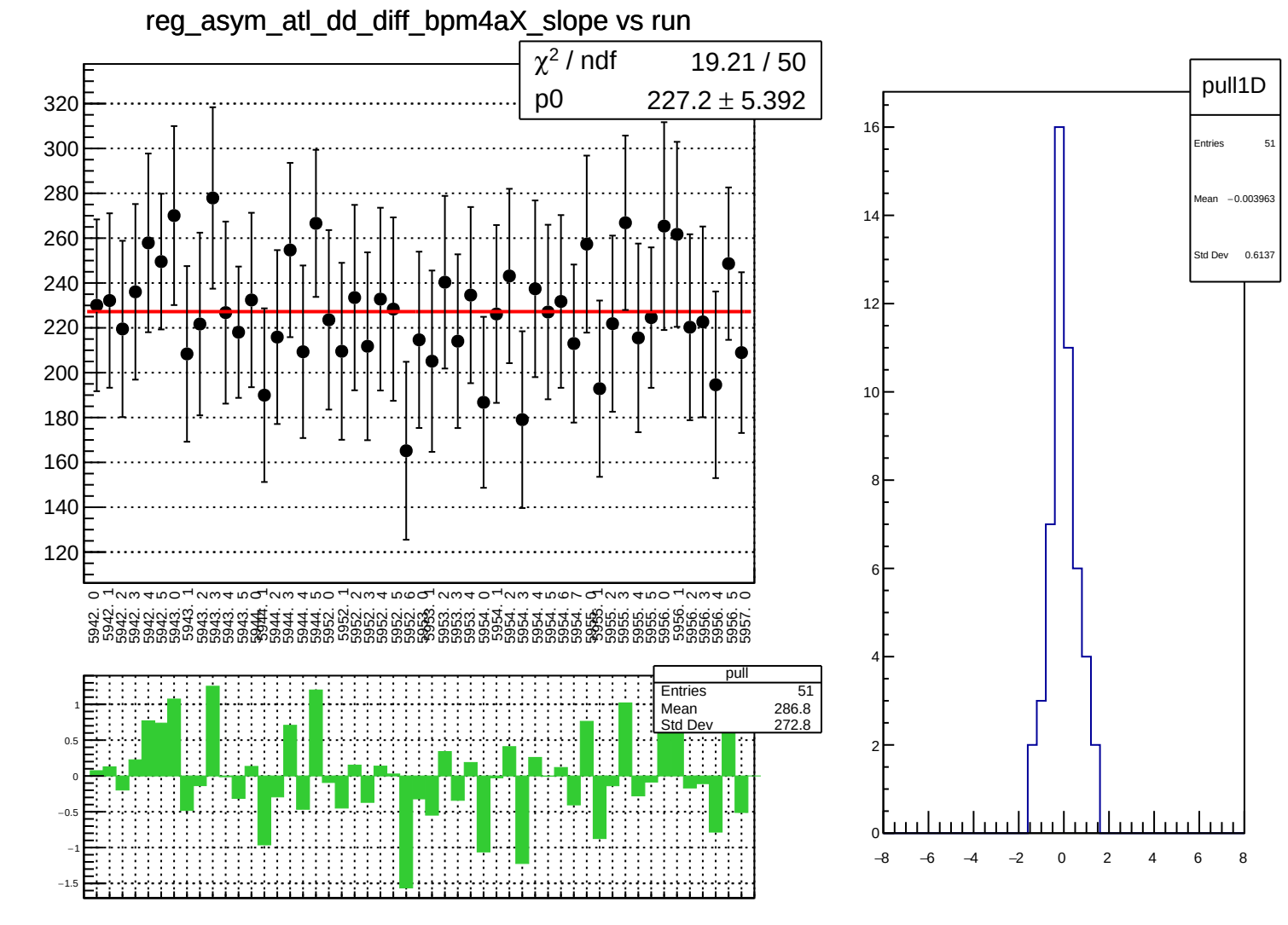

pull1D
Entries 51
Mean 0.001253
Std Dev 0.5432

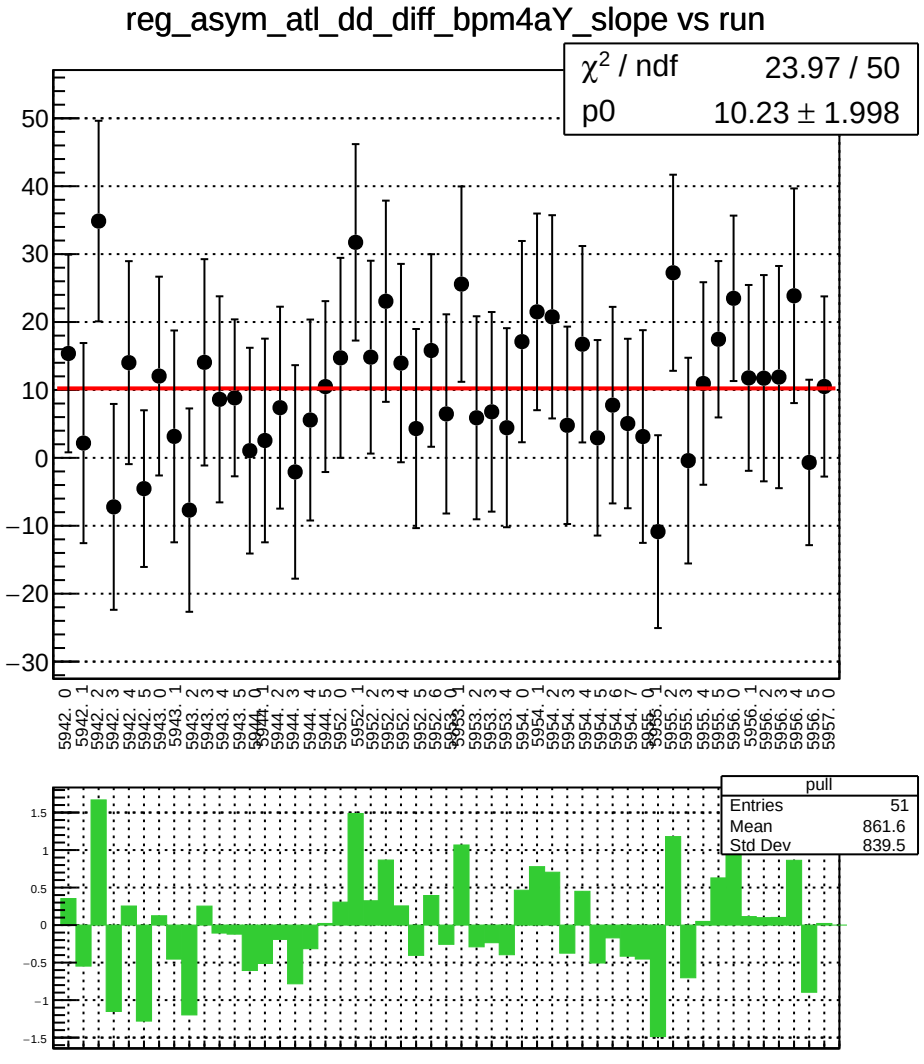

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 15.08 / 50
p0 280.2 ± 7.548
pull
Entries 51
Mean 128.7
Std Dev 92.11
pull1D
Entries 51
Mean 0.003725
Std Dev 0.5438

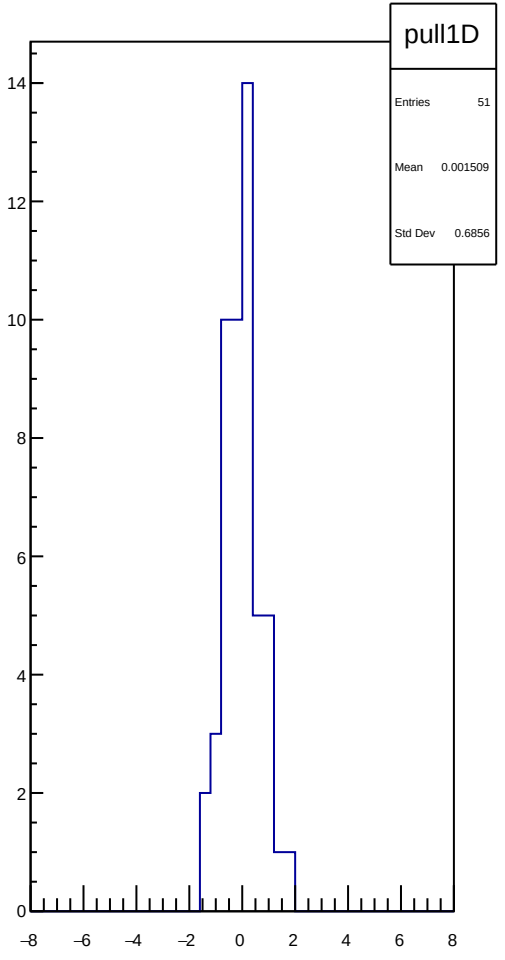

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 17.21 / 50
p0 43.35 ± 3.439
pull
Entries 51
Mean −3186
Std Dev 3210

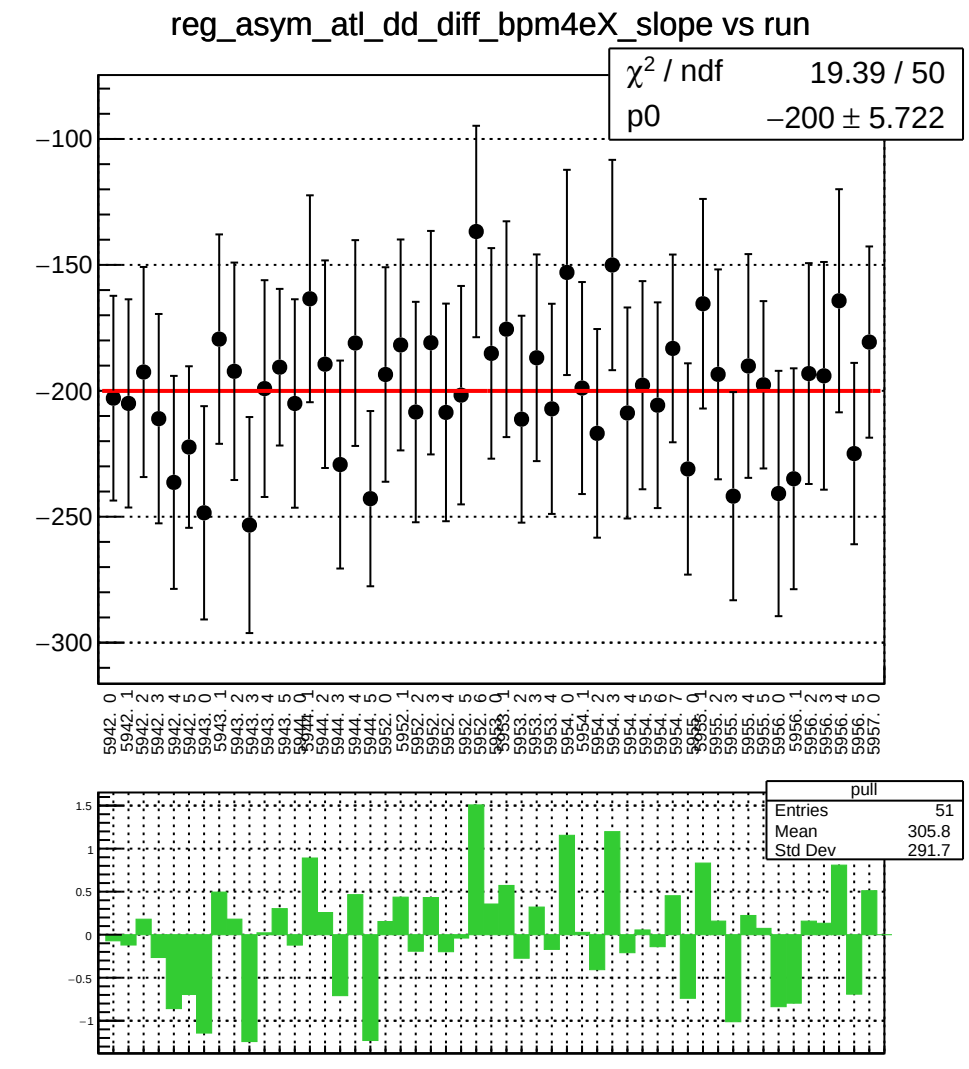

pull1D
Entries 51
Mean −0.0004637
Std Dev 0.5808

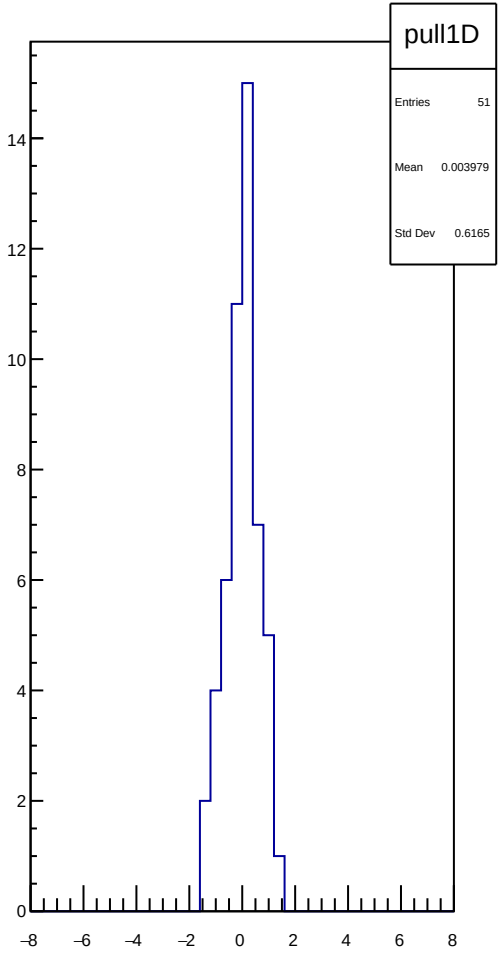

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 24 / 50
p0 −105.9 ± 0.3134
pull
Entries 51
Mean 168
Std Dev 142.1
pull1D
Entries 51
Mean −0.01516
Std Dev 0.6859

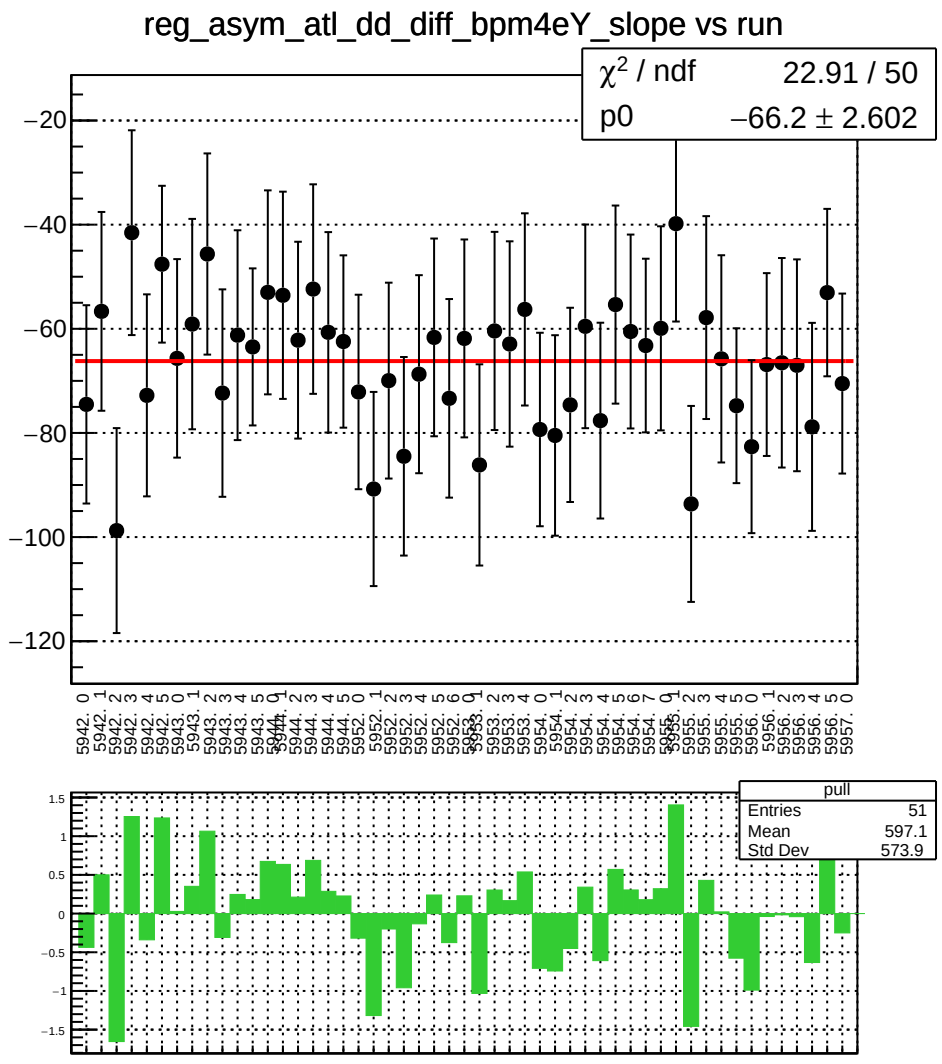

reg_asym_atl_dd_diff_bpm4aX_slope vs run
χ² / ndf 19.21 / 50
p0 227.2 ± 5.392
pull
Entries 51
Mean 286.8
Std Dev 272.8
pull1D
Entries 51
Mean −0.003963
Std Dev 0.6137

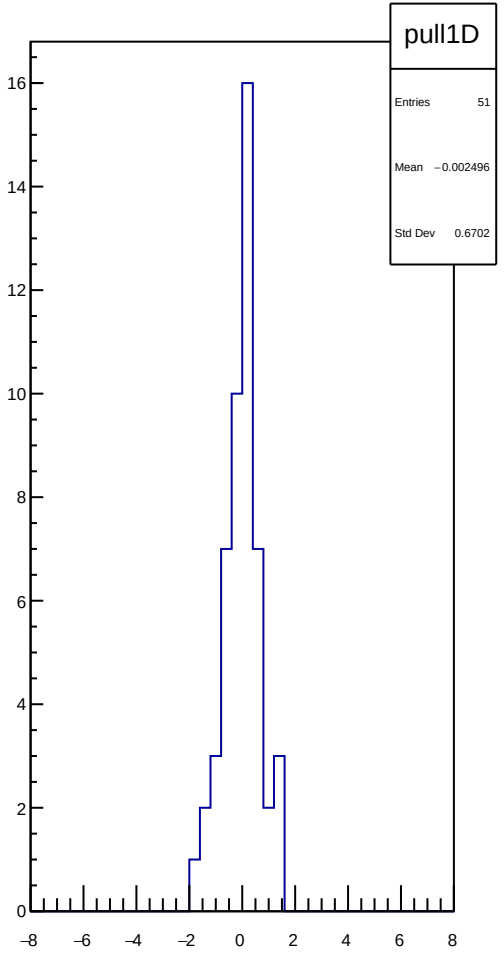

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 23.97 / 50
p0 10.23 ± 1.998
pull
Entries 51
Mean 861.6
Std Dev 839.5

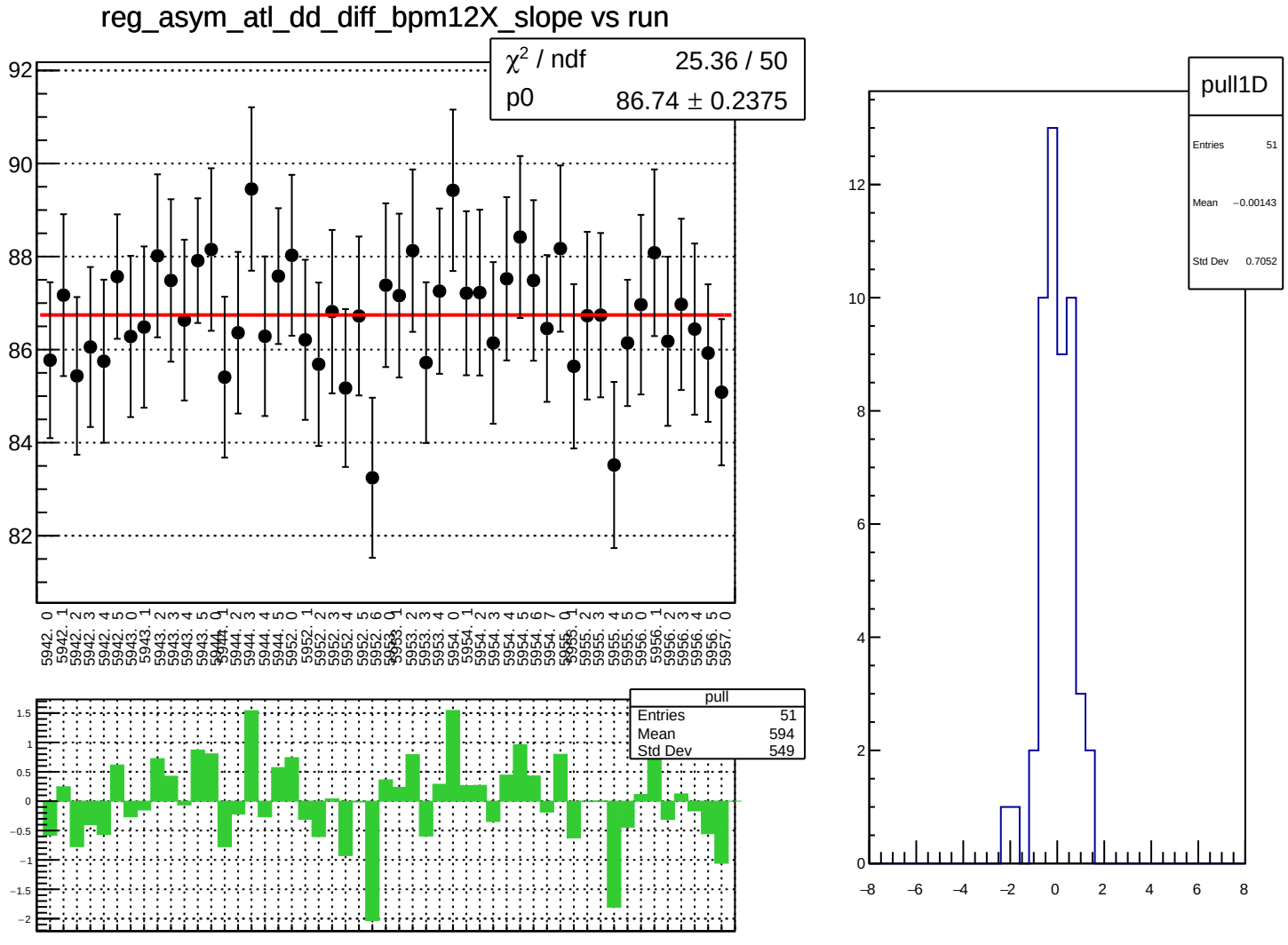

pull1D
Entries 51
Mean 0.001509
Std Dev 0.6856

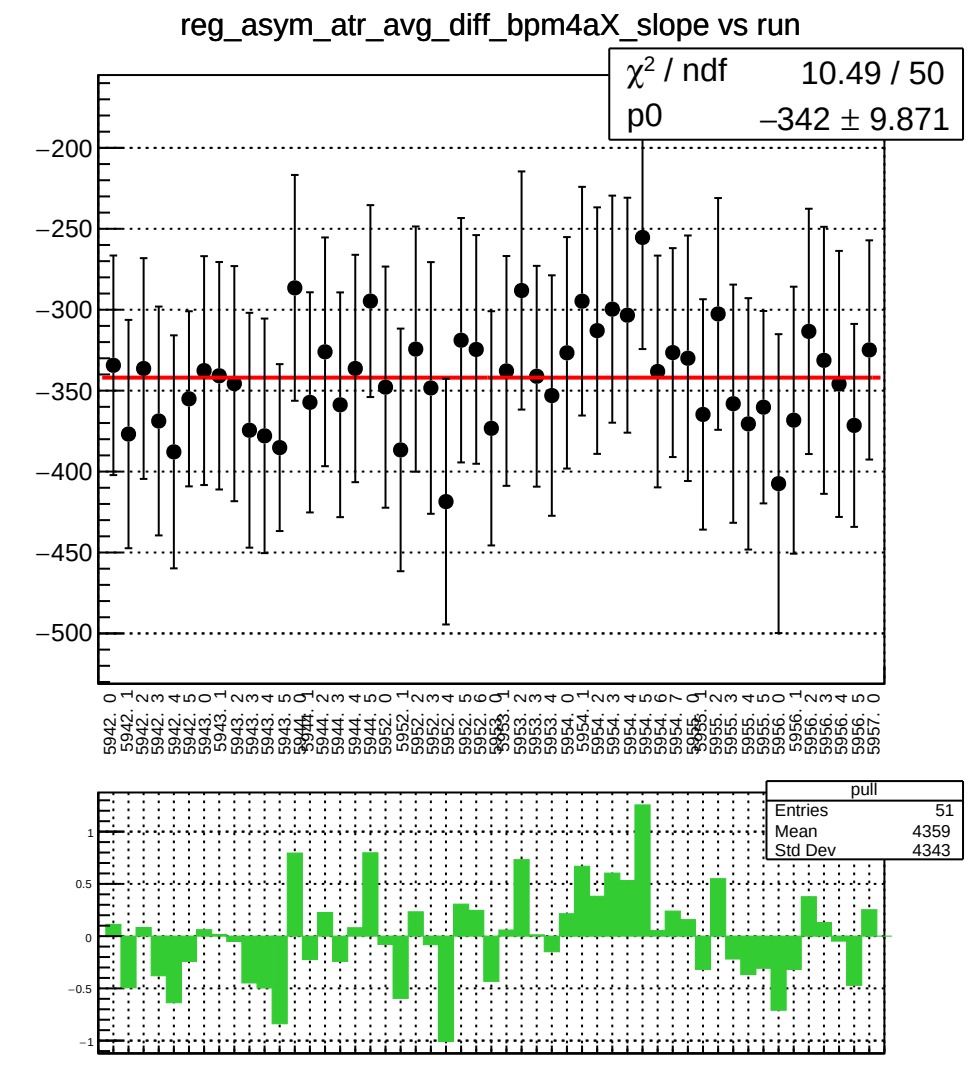

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 19.39 / 50
p0 −200 ± 5.722
pull
Entries 51
Mean 305.8
Std Dev 291.7

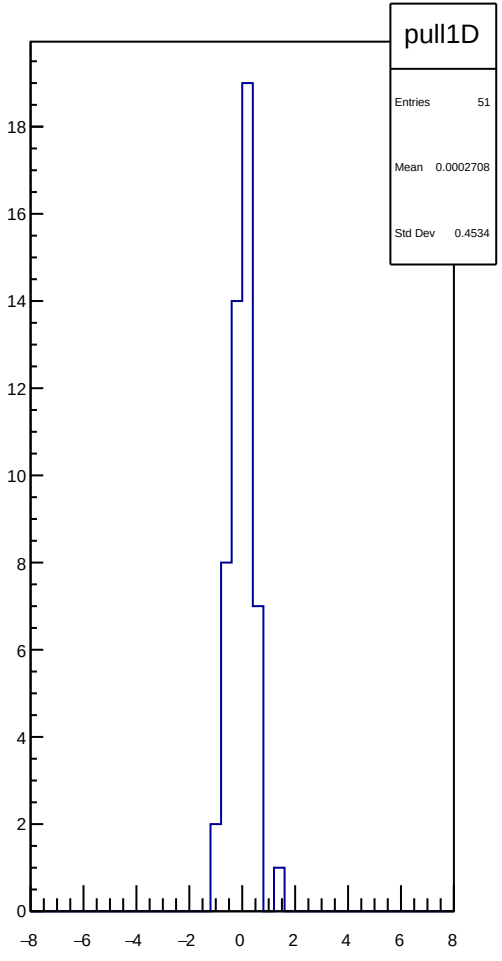

pull1D
Entries 51
Mean 0.003979
Std Dev 0.6165

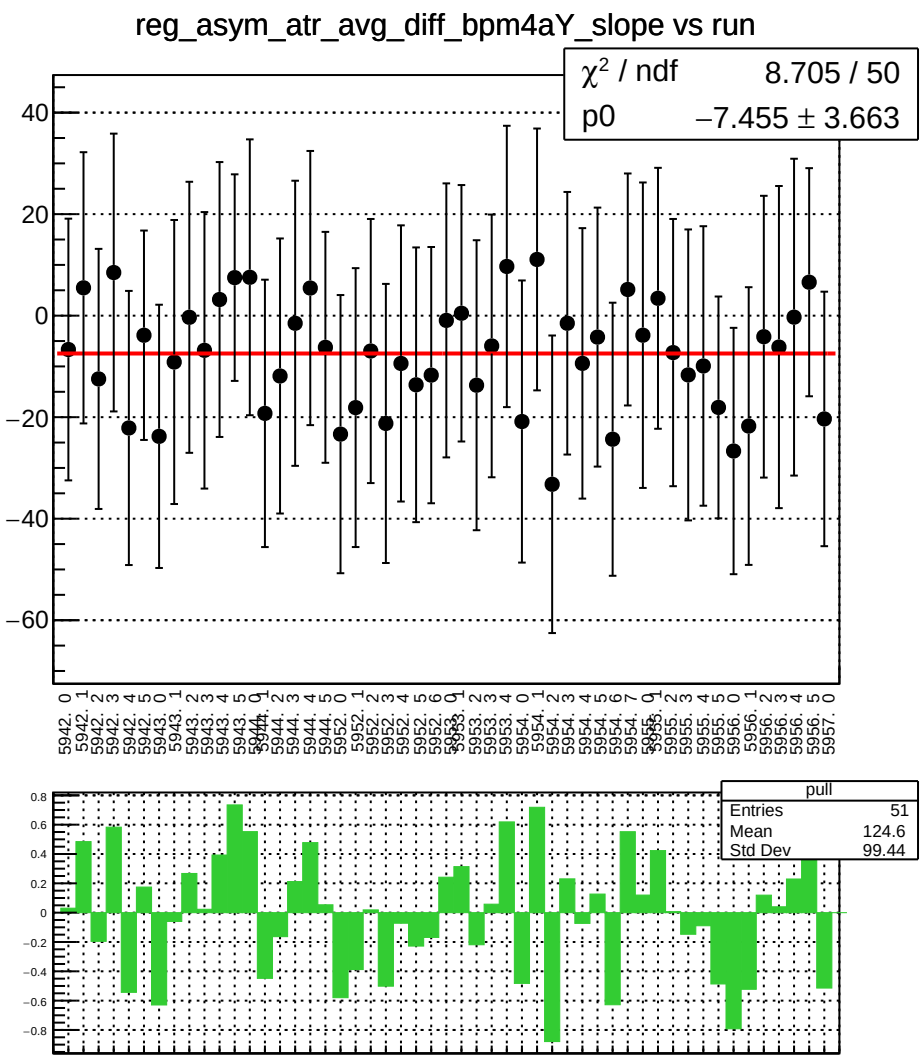

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 22.91 / 50
p0 −66.2 ± 2.602
pull
Entries 51
Mean 597.1
Std Dev 573.9

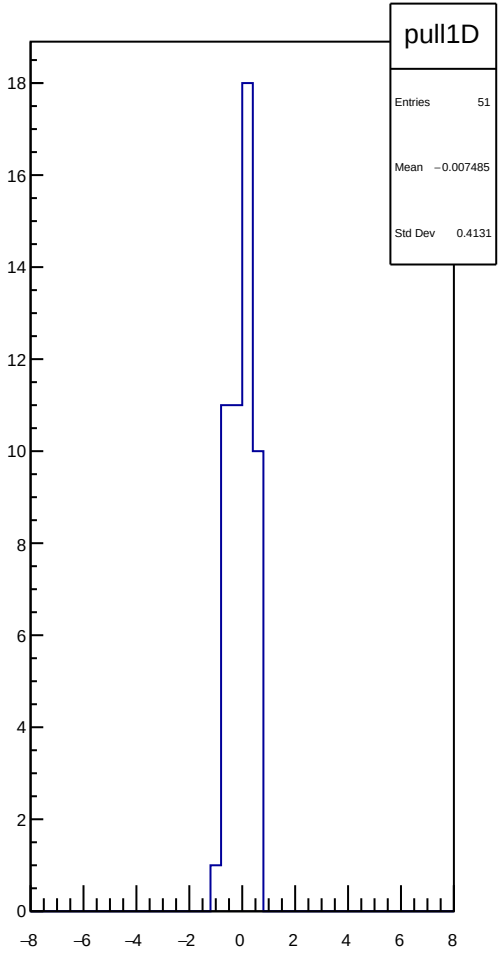

pull1D
Entries 51
Mean −0.002496
Std Dev 0.6702

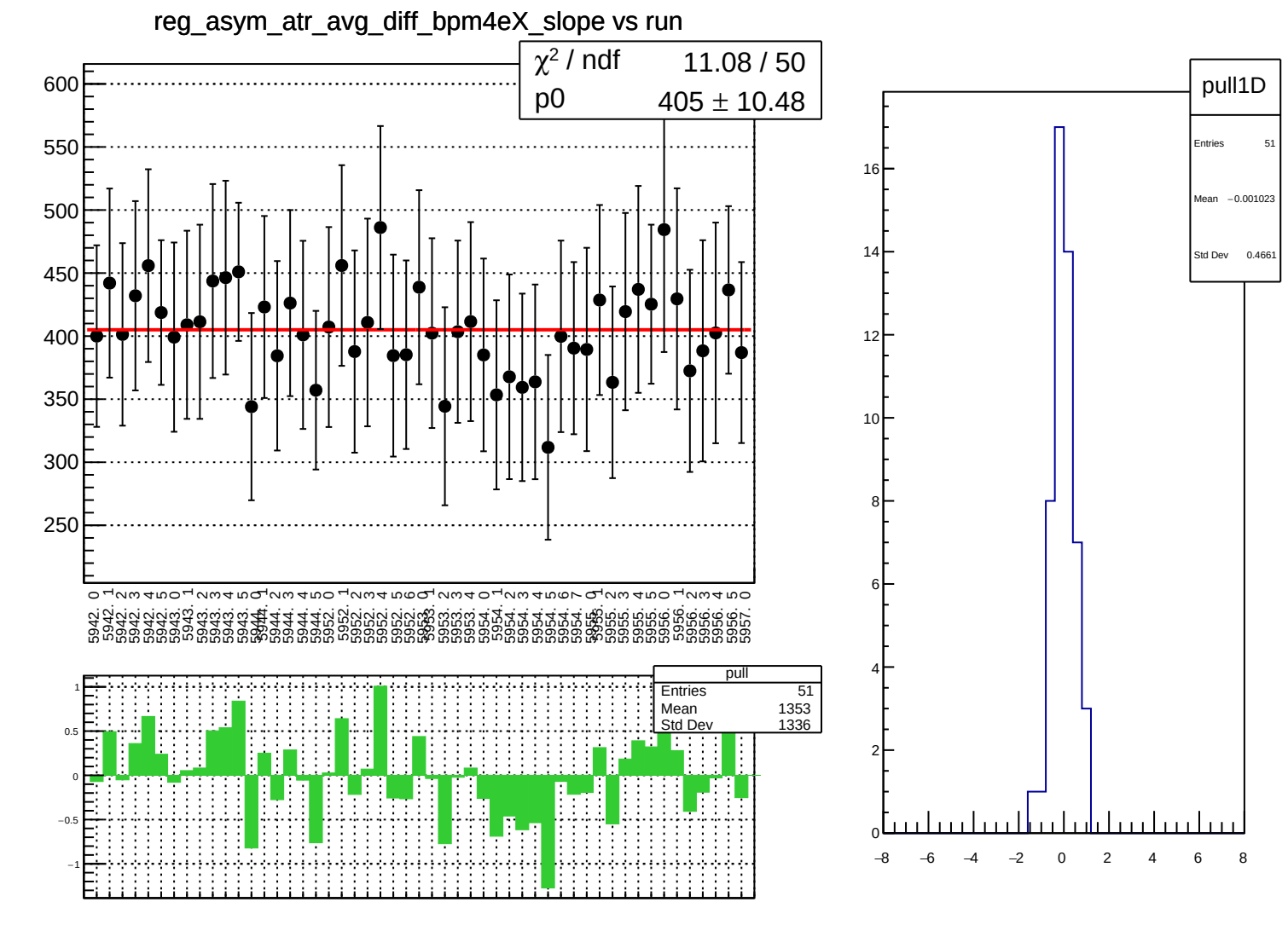

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 25.36 / 50
p0 86.74 ± 0.2375
pull
Entries 51
Mean 594
Std Dev 549
pull1D
Entries 51
Mean −0.00143
Std Dev 0.7052

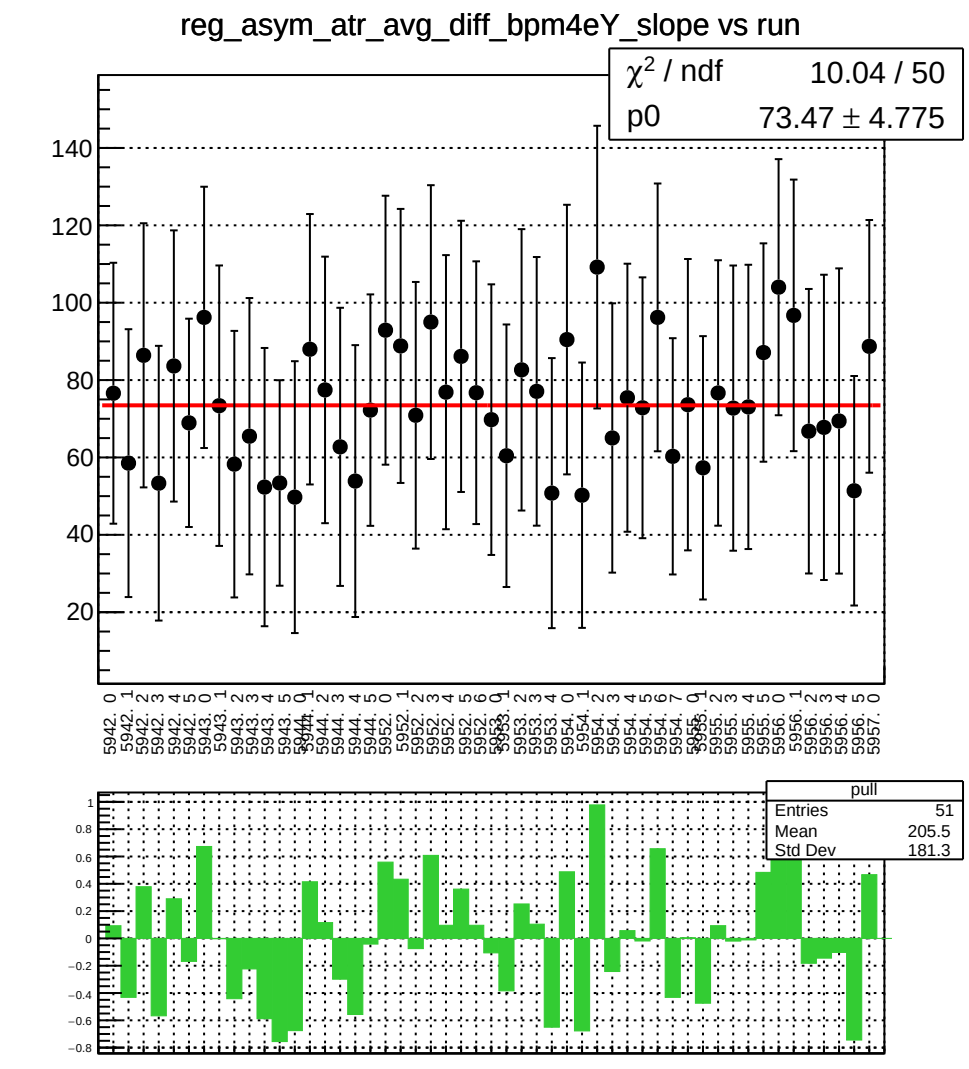

reg_asym_atr_avg_diff_bpm4aX_slope vs run
χ² / ndf 10.49 / 50
p0 −342 ± 9.871
pull
Entries 51
Mean 4359
Std Dev 4343

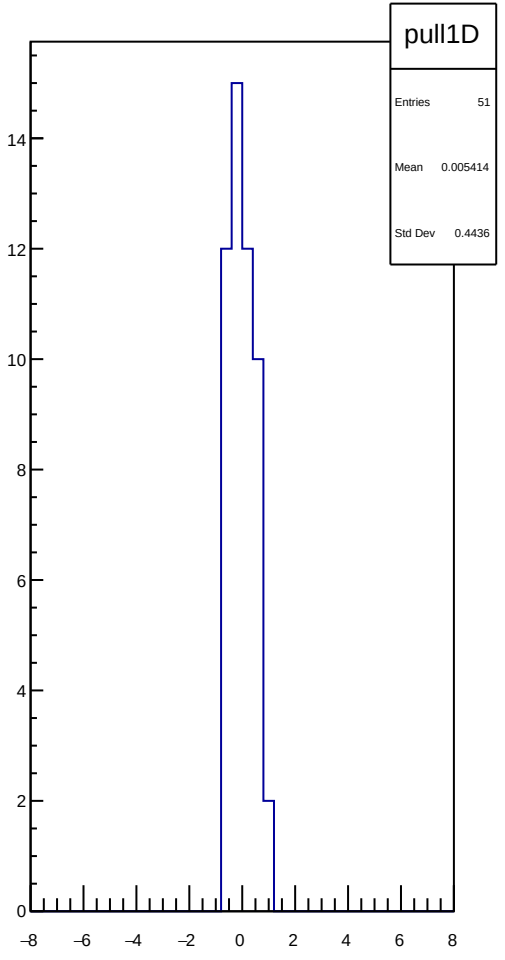

pull1D
Entries 51
Mean 0.0002708
Std Dev 0.4534

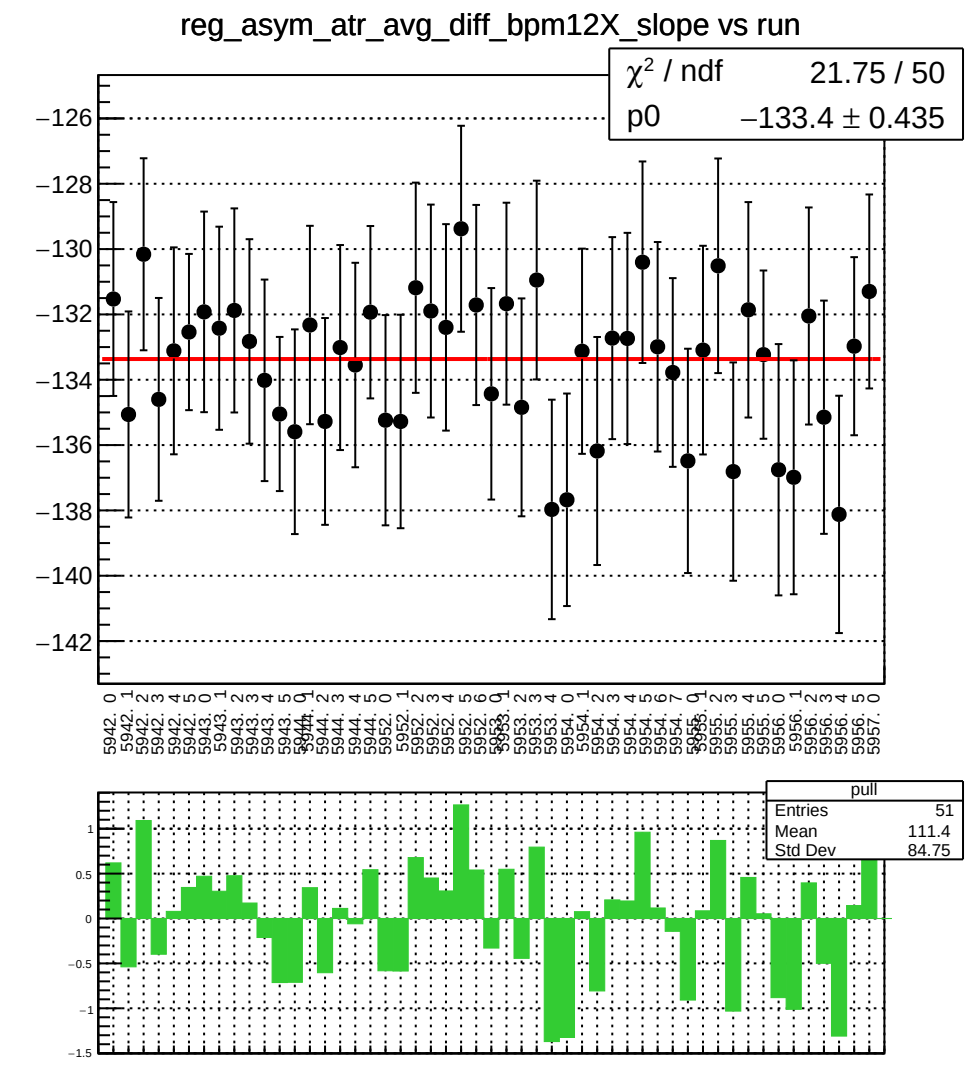

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.705 / 50
p0 −7.455 ± 3.663
pull
Entries 51
Mean 124.6
Std Dev 99.44

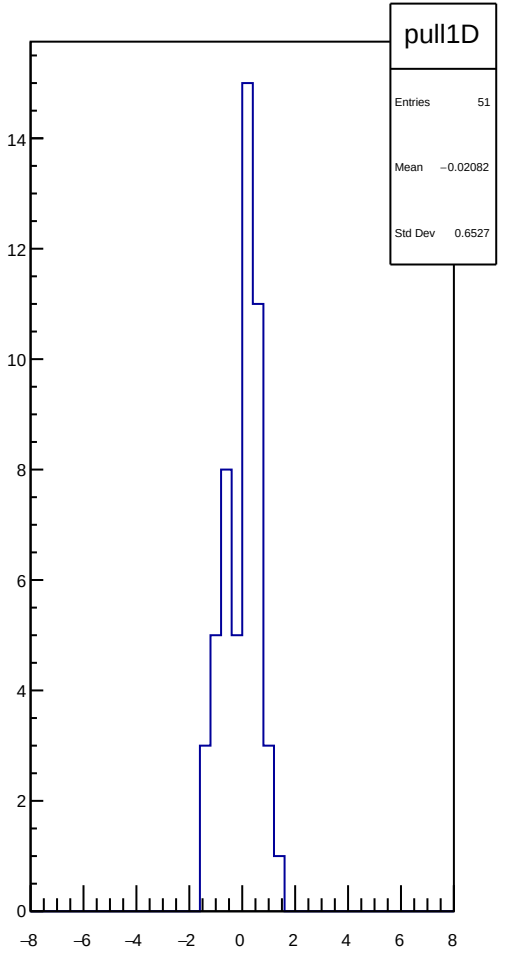

pull1D
Entries 51
Mean −0.007485
Std Dev 0.4131

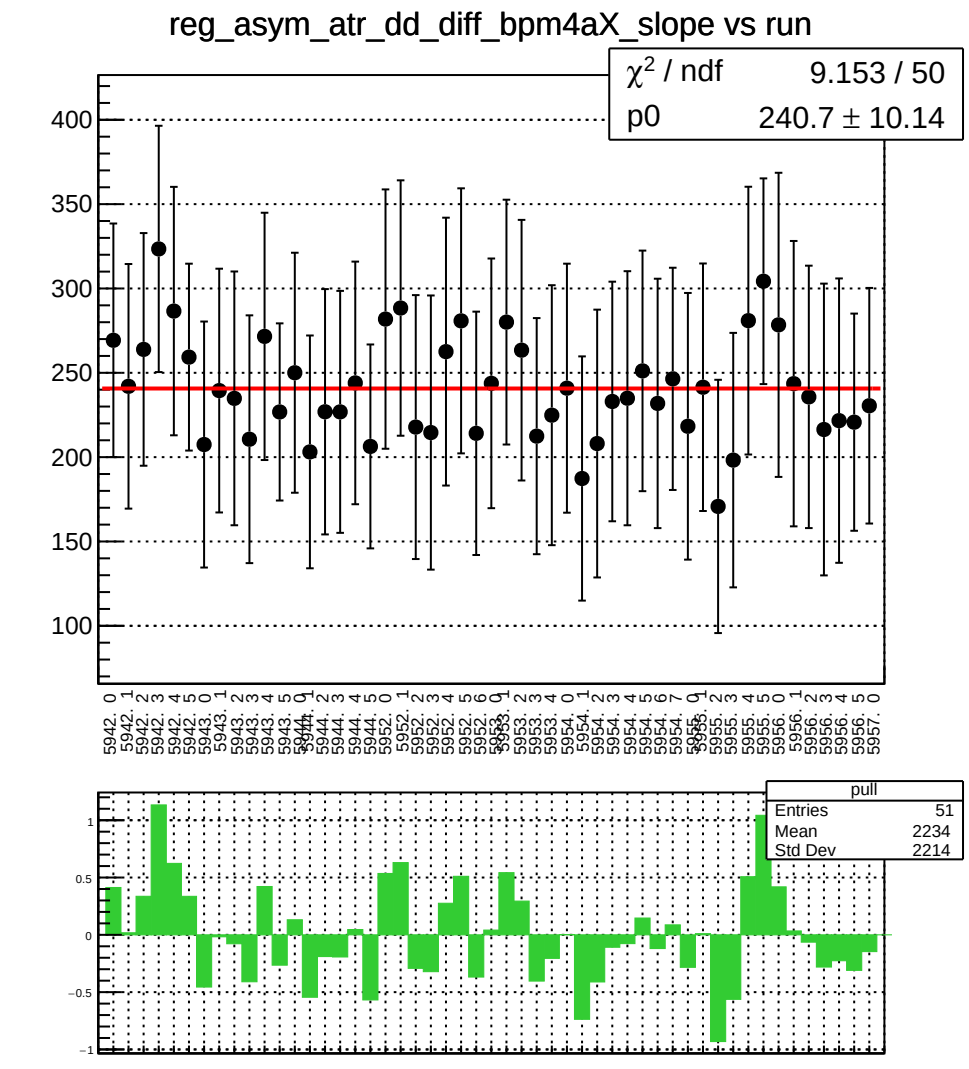

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 11.08 / 50
p0 405 ± 10.48
pull
Entries 51
Mean 1353
Std Dev 1336
pull1D
Entries 51
Mean −0.001023
Std Dev 0.4661

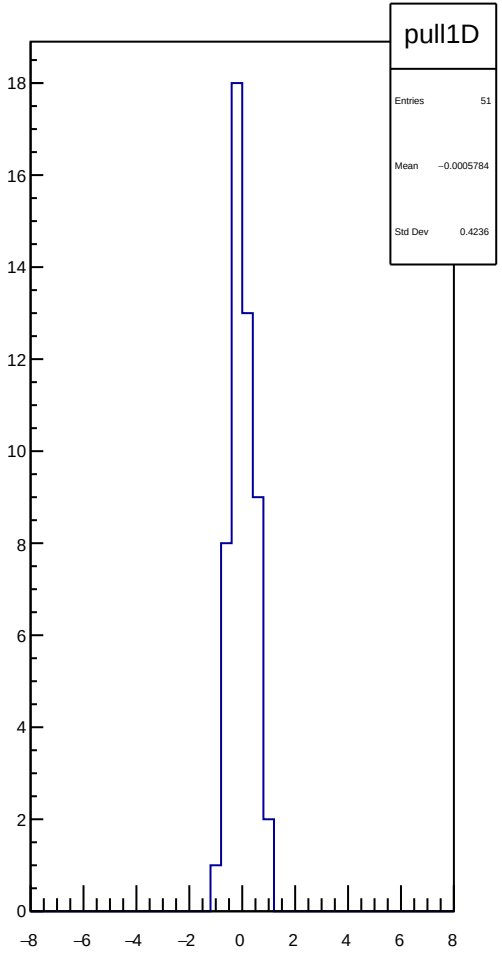

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.04 / 50
p0 73.47 ± 4.775
pull
Entries 51
Mean 205.5
Std Dev 181.3

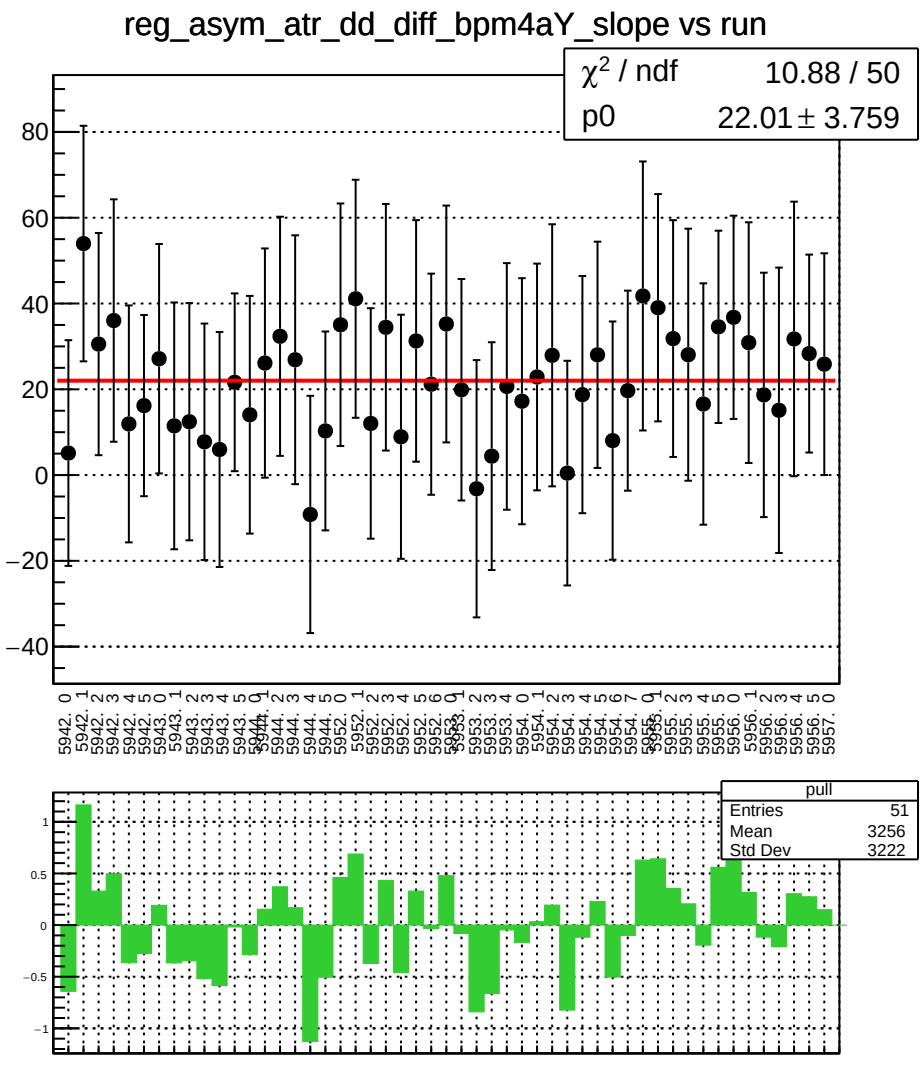

pull1D
Entries 51
Mean 0.005414
Std Dev 0.4436

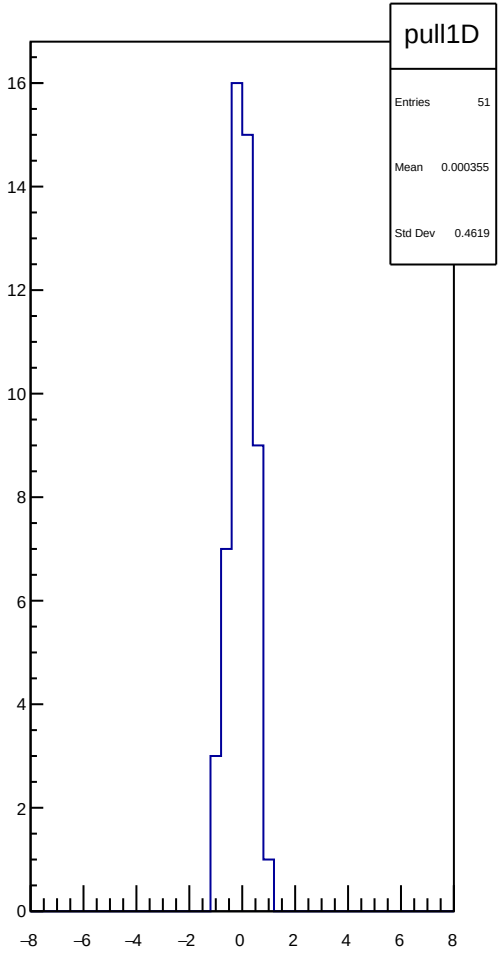

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 21.75 / 50
p0 −133.4 ± 0.435
pull
Entries 51
Mean 111.4
Std Dev 84.75

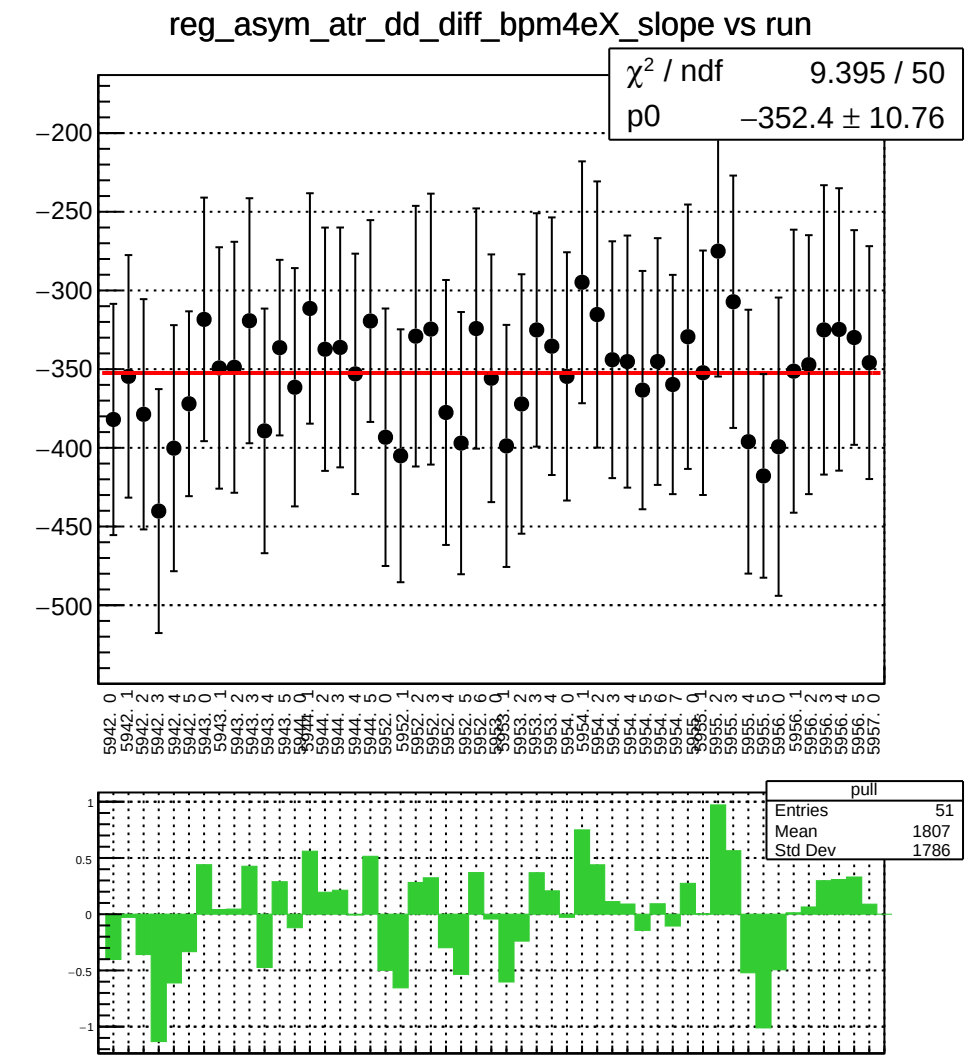

pull1D
Entries 51
Mean −0.02082
Std Dev 0.6527

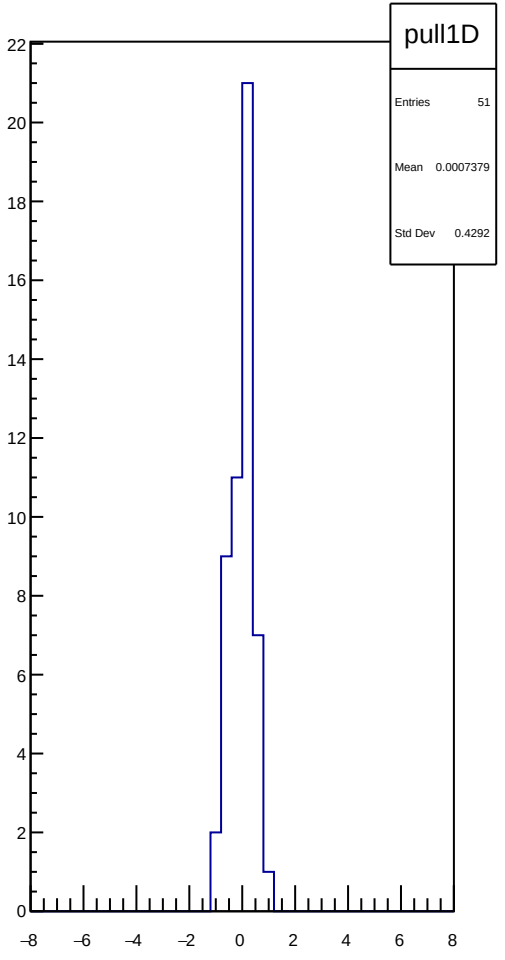

reg_asym_atr_dd_diff_bpm4aX_slope vs run
χ² / ndf 9.153 / 50
p0 240.7 ± 10.14
pull
Entries 51
Mean 2234
Std Dev 2214

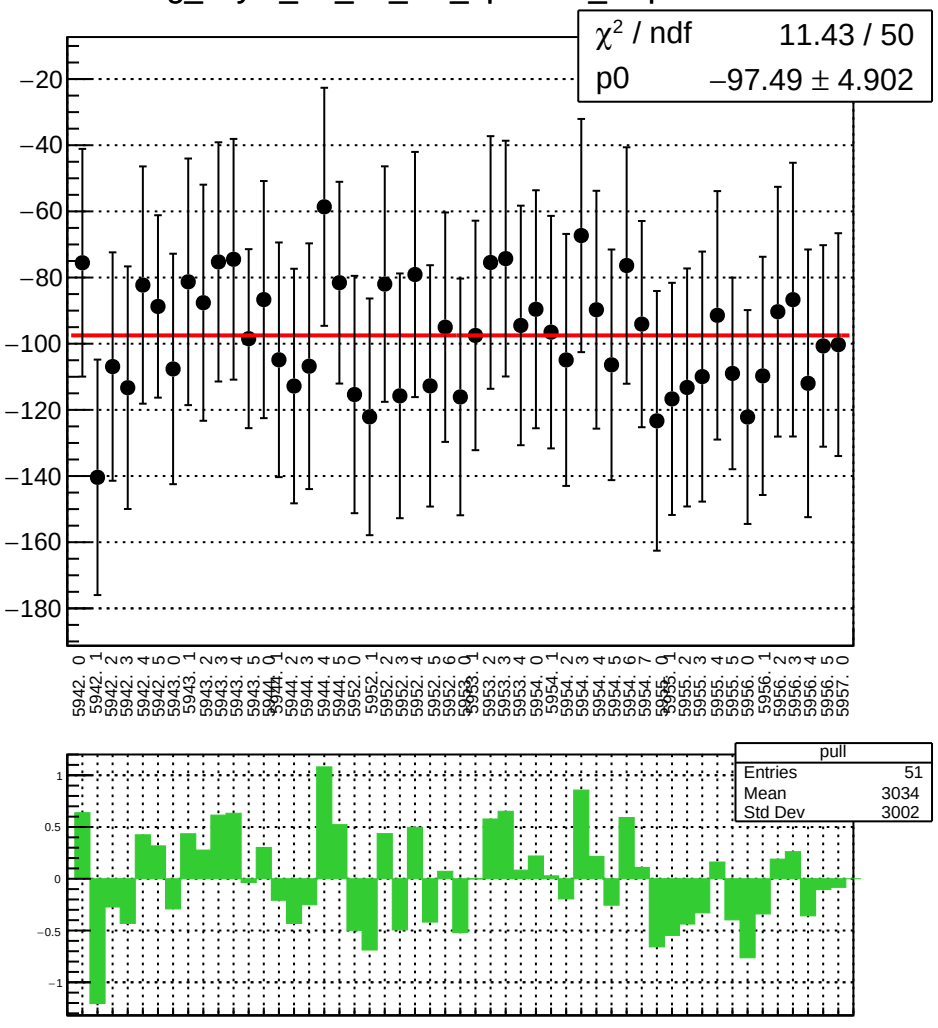

pull1D
Entries 51
Mean −0.0005784
Std Dev 0.4236

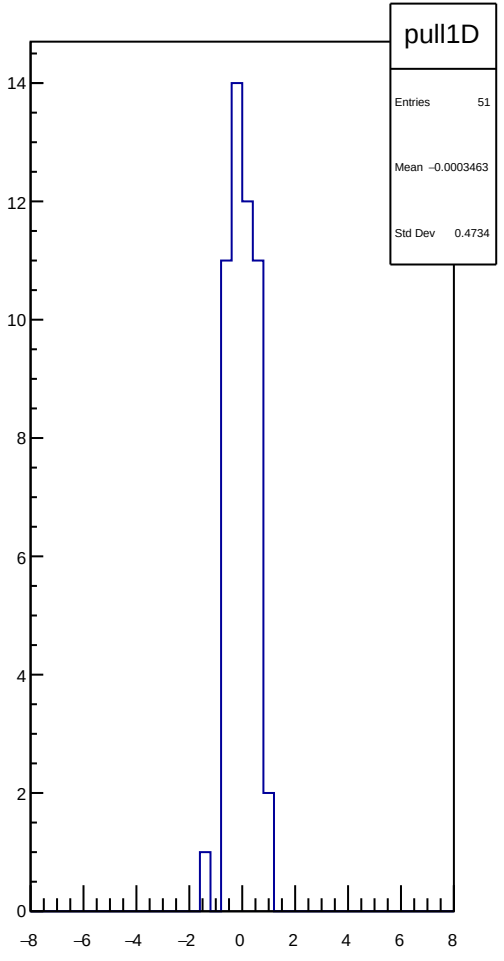

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.88 / 50
p0 22.01 ± 3.759
pull
Entries 51
Mean 3256
Std Dev 3222

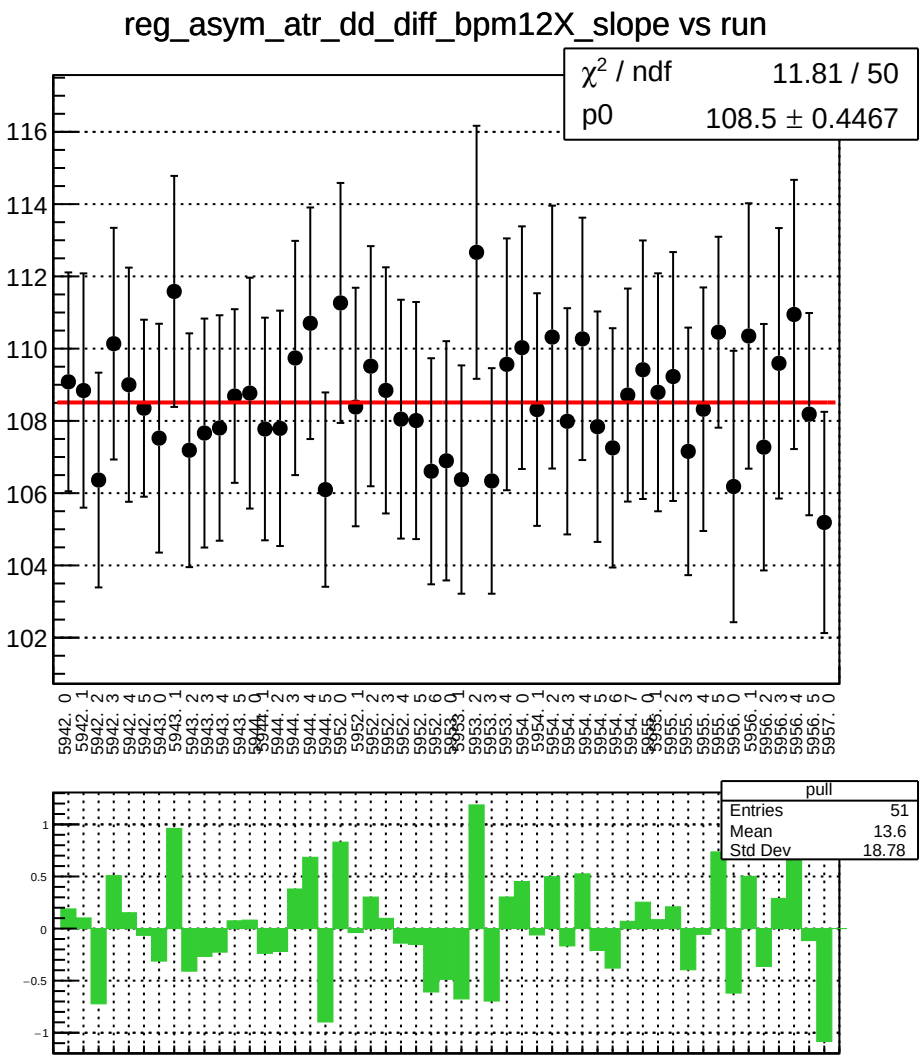

pull1D
Entries 51
Mean 0.000355
Std Dev 0.4619

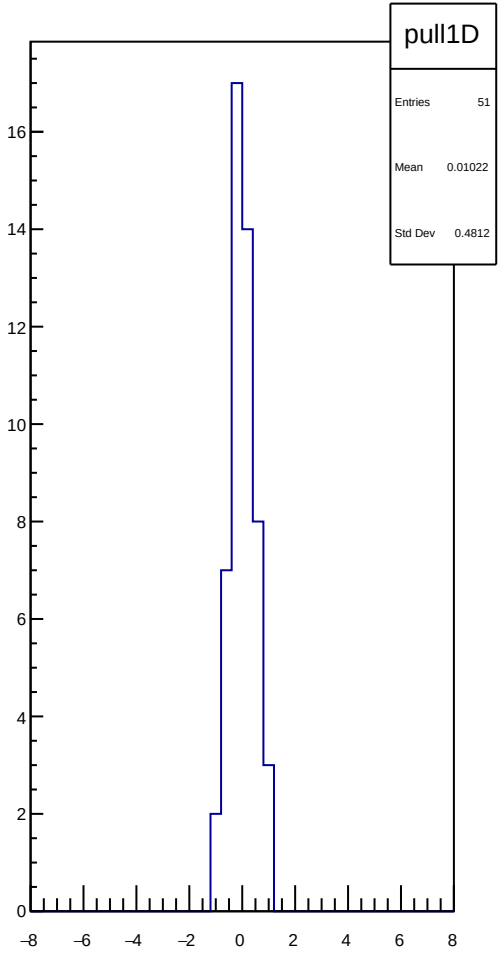

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 9.395 / 50
p0 −352.4 ± 10.76
pull
Entries 51
Mean 1807
Std Dev 1786

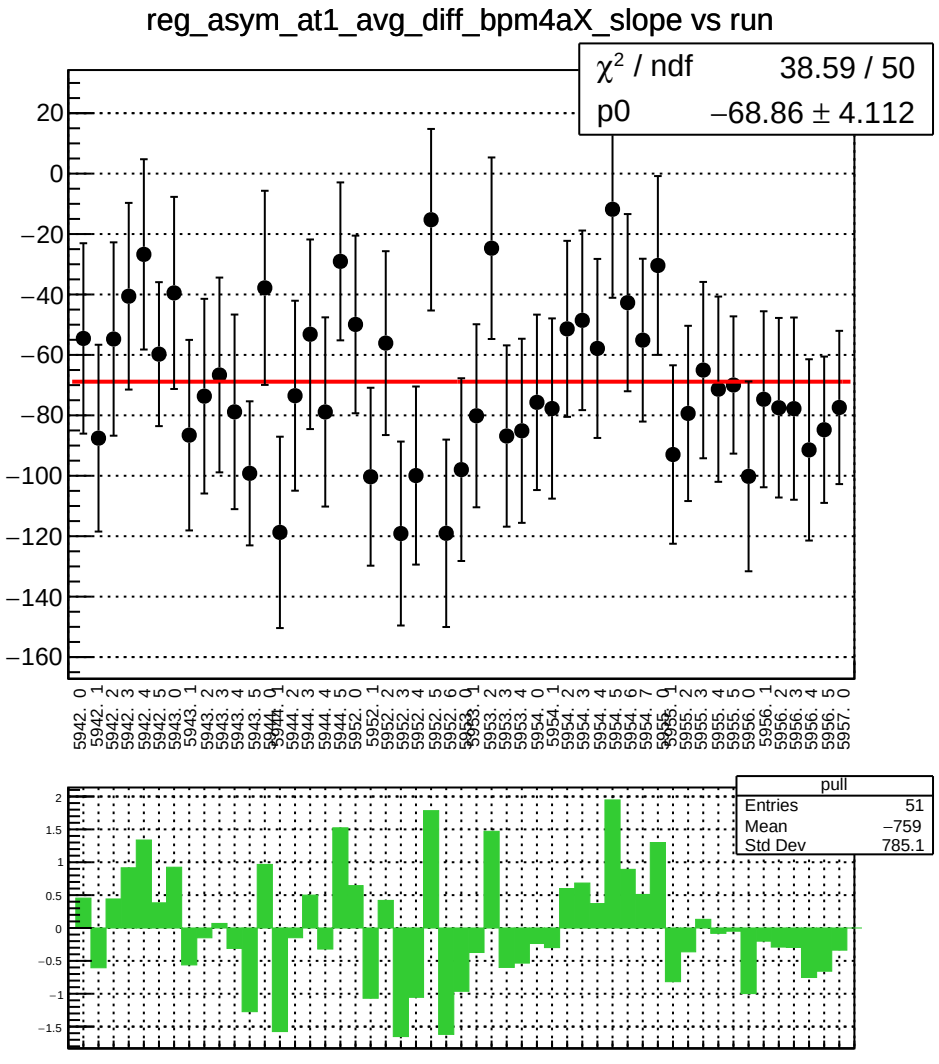

pull1D
Entries 51
Mean 0.0007379
Std Dev 0.4292

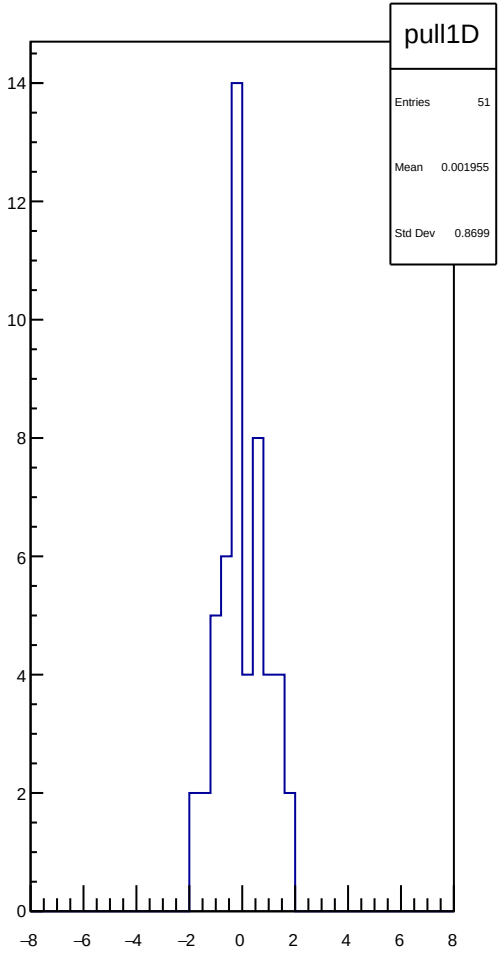

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.43 / 50
p0 −97.49 ± 4.902
pull
Entries 51
Mean 3034
Std Dev 3002

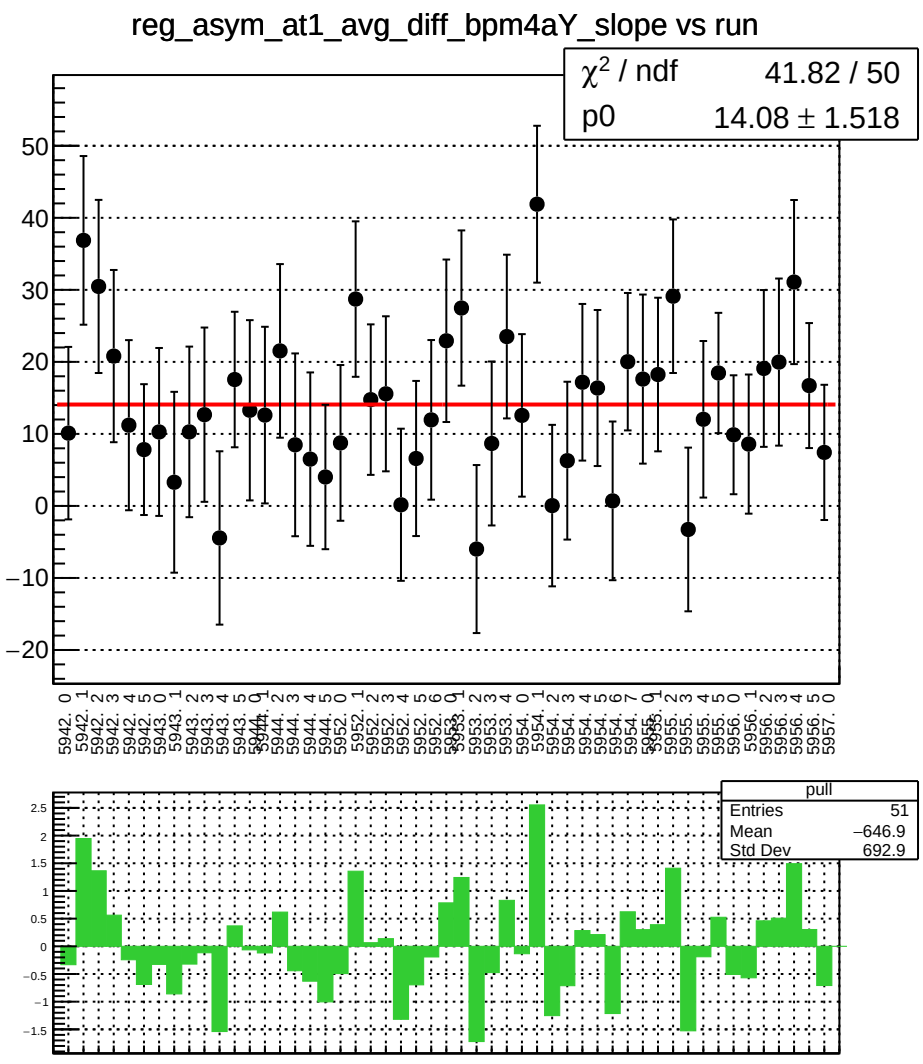

pull1D
Entries 51
Mean −0.0003463
Std Dev 0.4734

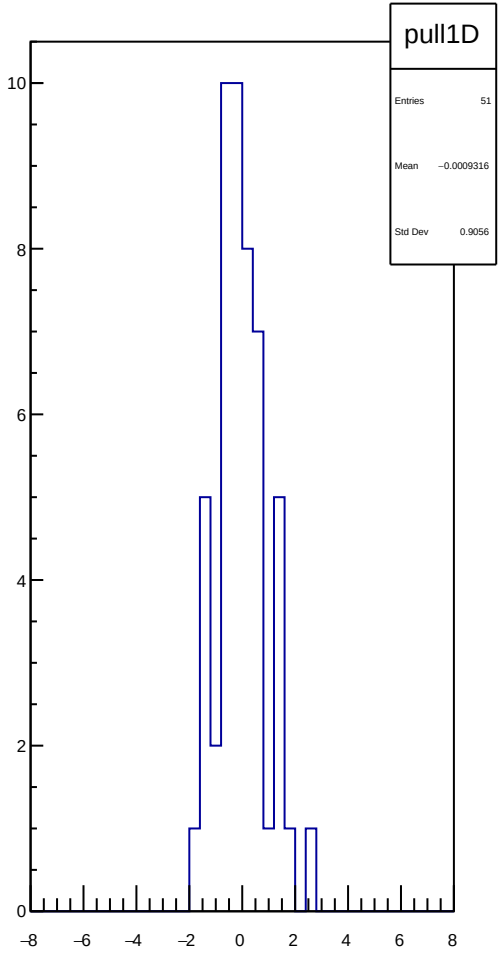

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 11.81 / 50
p0 108.5 ± 0.4467
pull
Entries 51
Mean 13.6
Std Dev 18.78

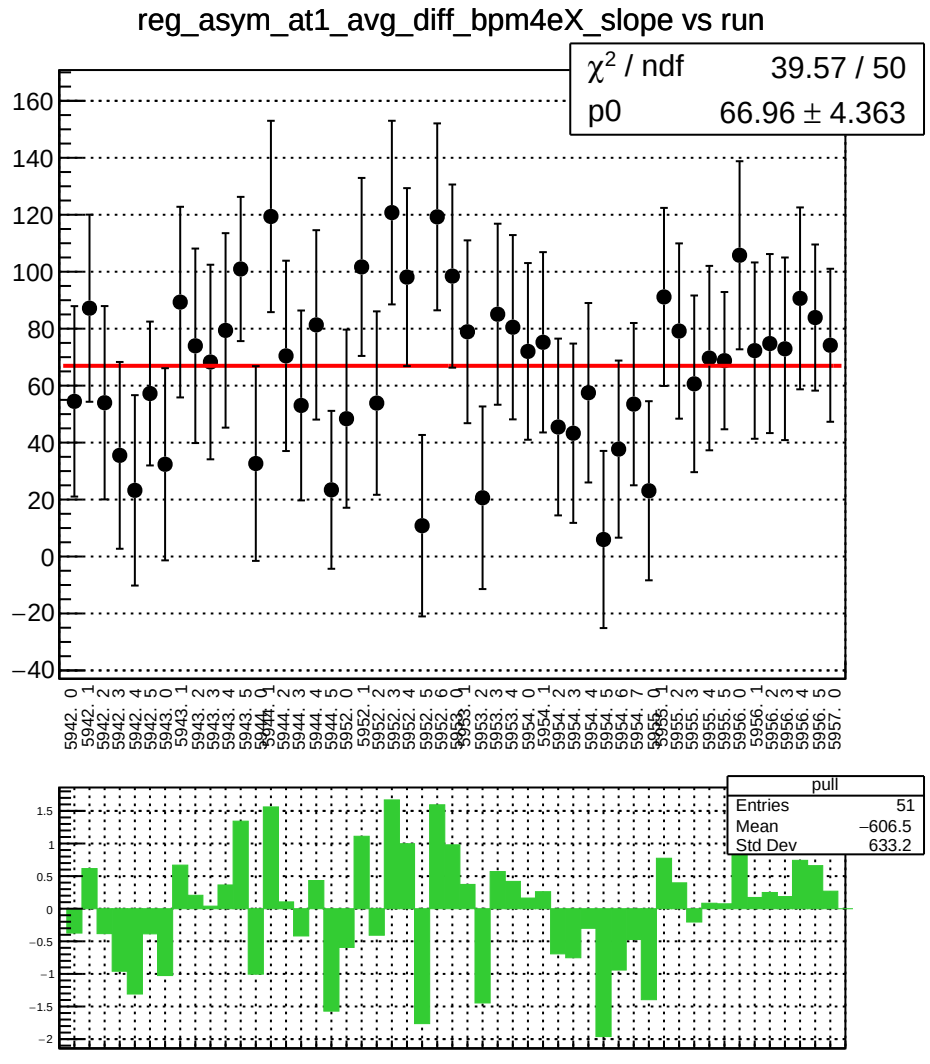

pull1D
Entries 51
Mean 0.01022
Std Dev 0.4812

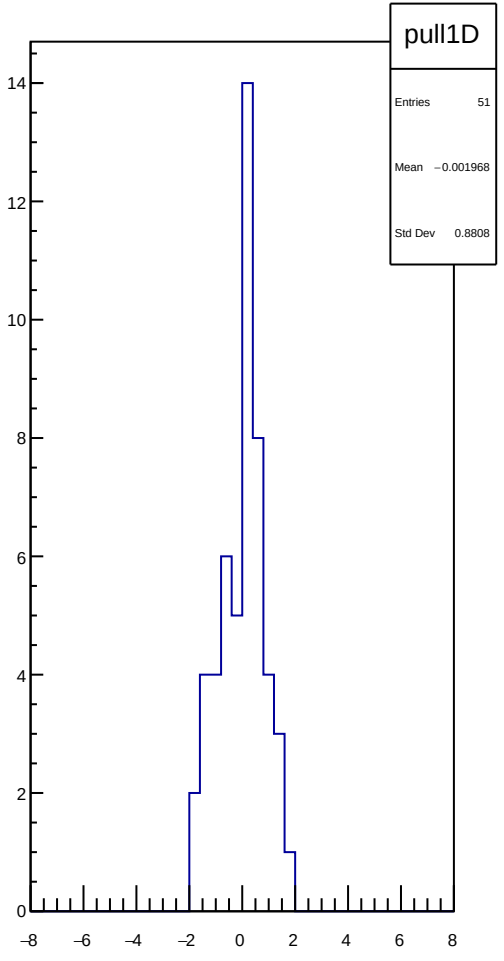

reg_asym_at1_avg_diff_bpm4aX_slope vs run
χ² / ndf 38.59 / 50
p0 −68.86 ± 4.112
pull
Entries 51
Mean −759
Std Dev 785.1

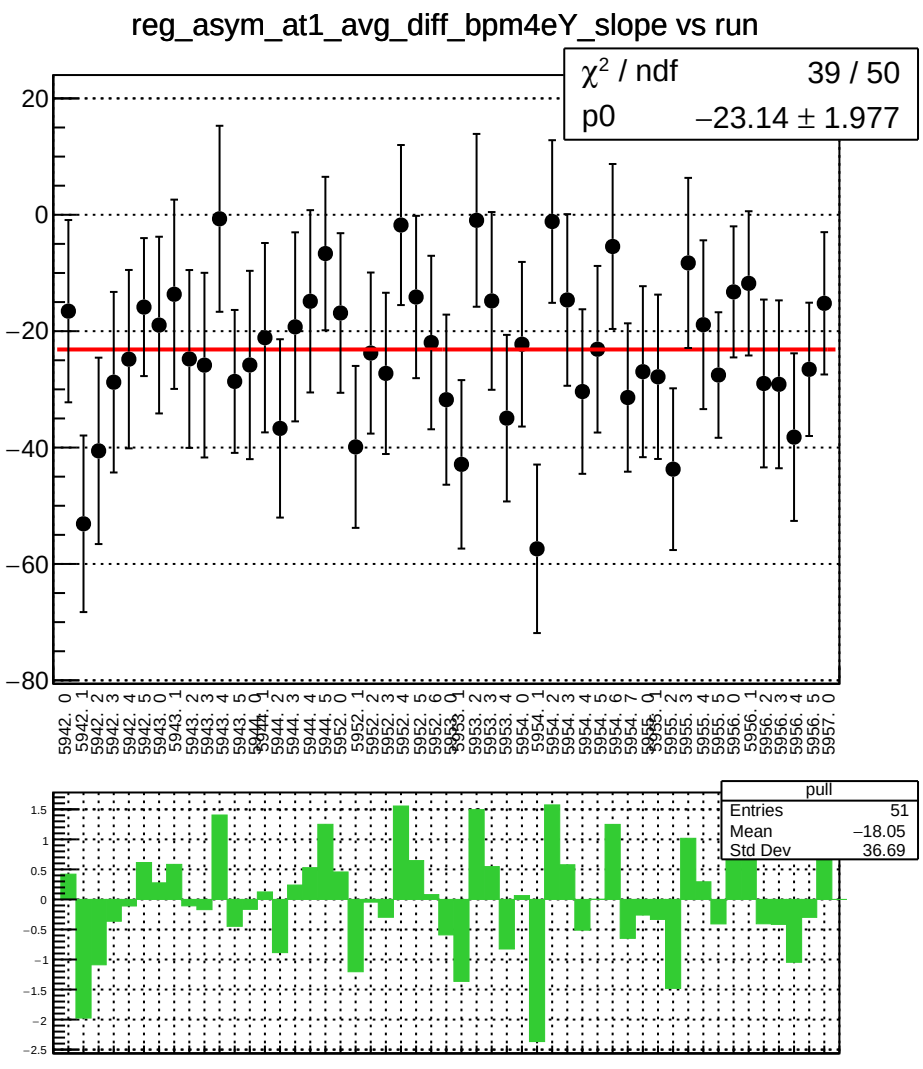

pull1D
Entries 51
Mean 0.001955
Std Dev 0.8699

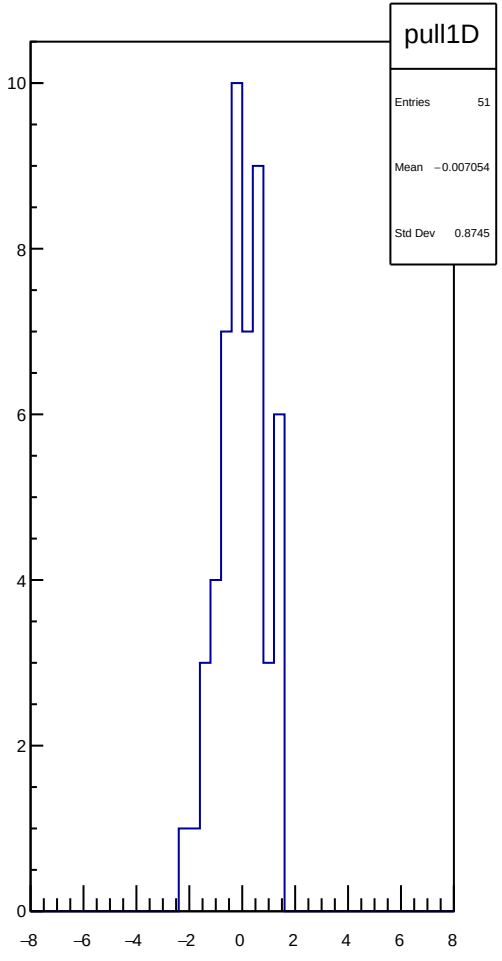

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 41.82 / 50
p0 14.08 ± 1.518
pull
Entries 51
Mean −646.9
Std Dev 692.9

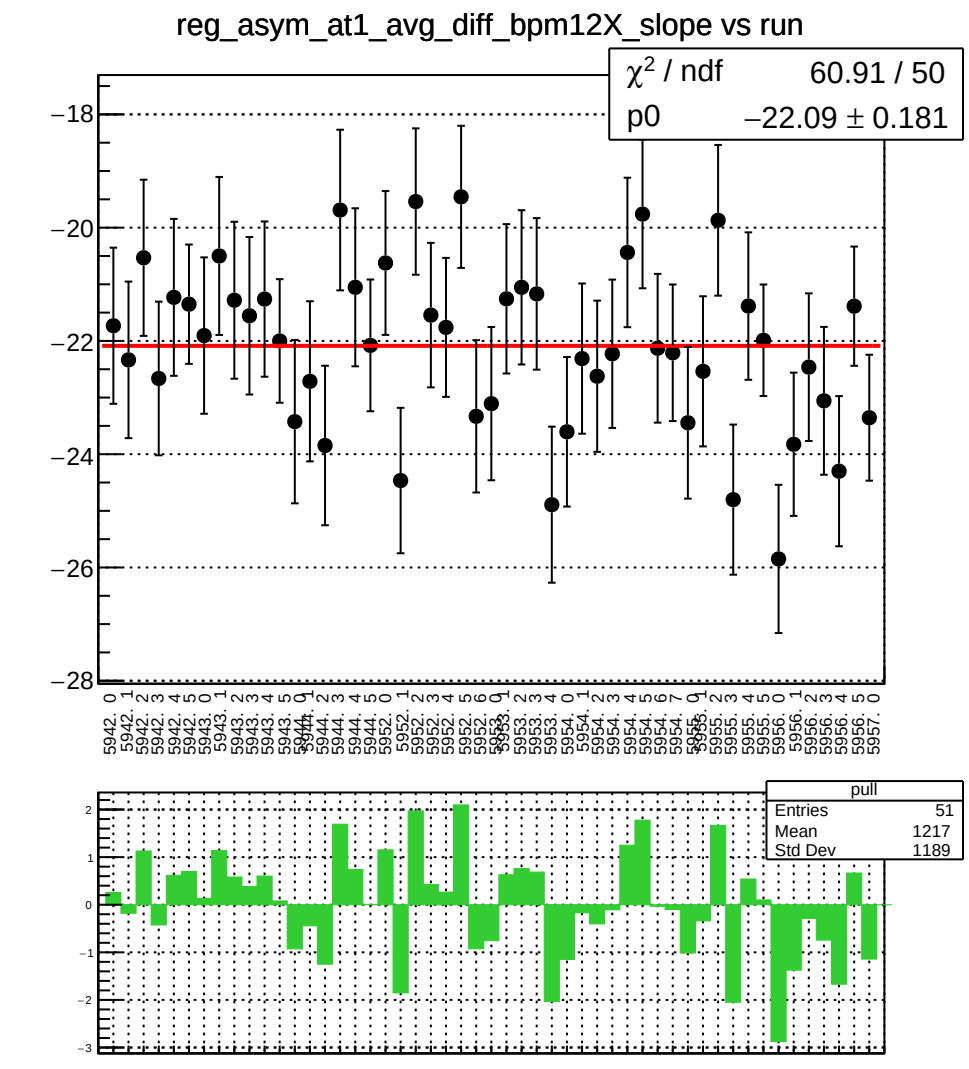

pull1D
Entries 51
Mean −0.0009316
Std Dev 0.9056

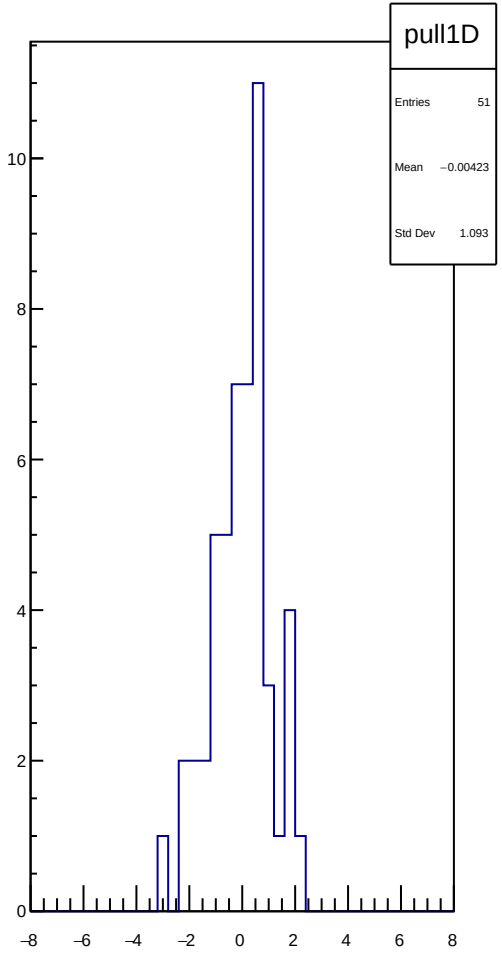

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 39.57 / 50
p0 66.96 ± 4.363
pull
Entries 51
Mean −606.5
Std Dev 633.2

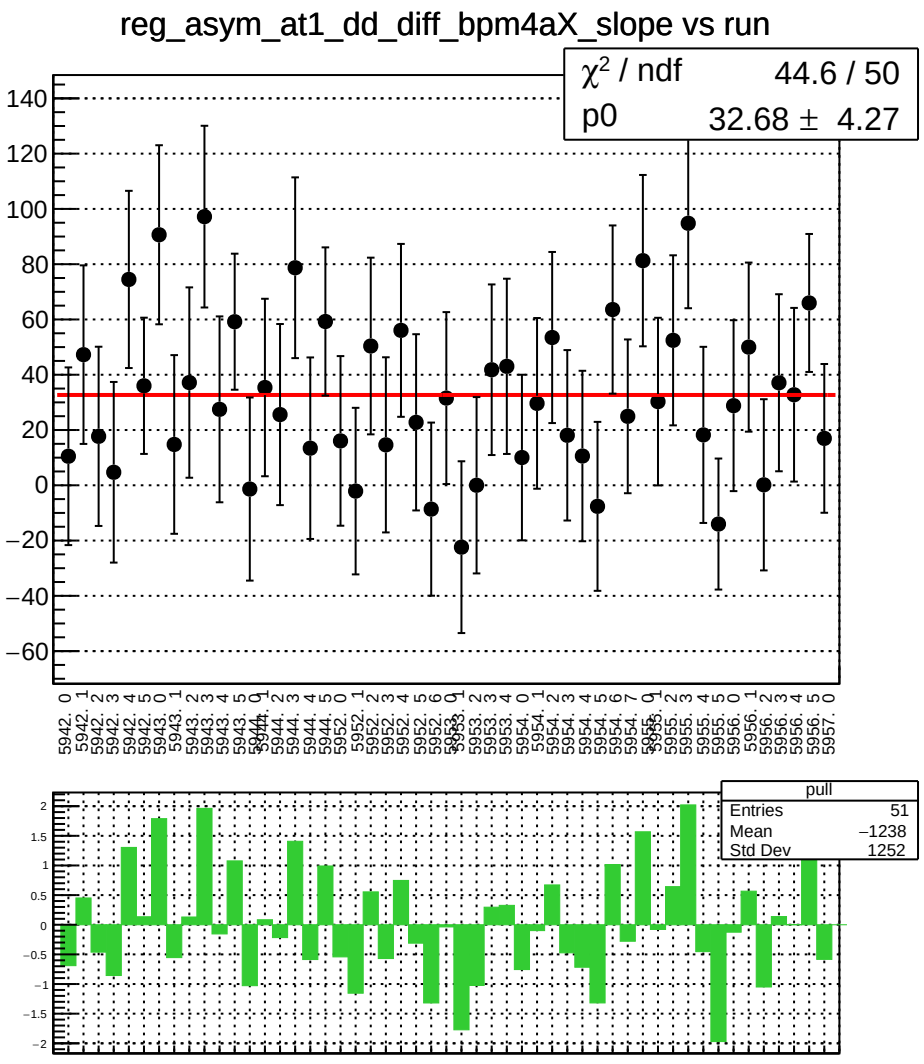

pull1D
Entries 51
Mean −0.001968
Std Dev 0.8808

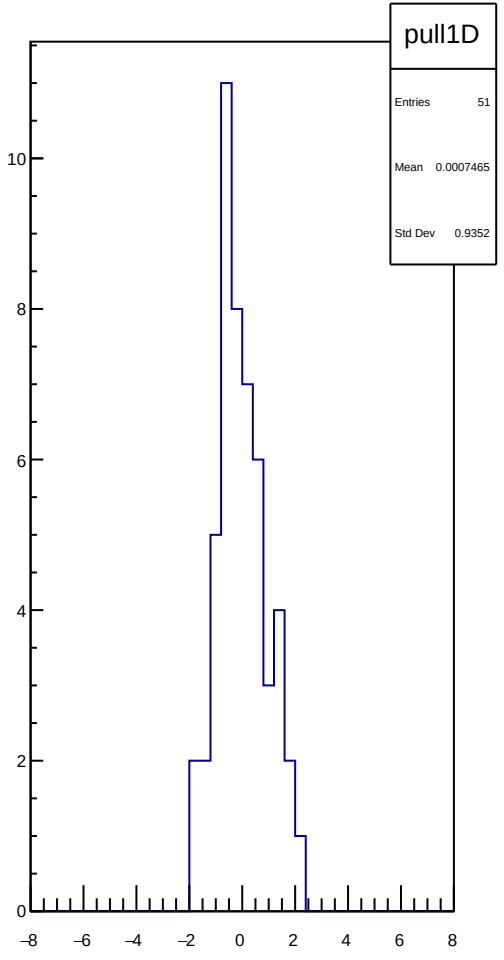

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 39 / 50
p0 −23.14 ± 1.977
pull
Entries 51
Mean −18.05
Std Dev 36.69

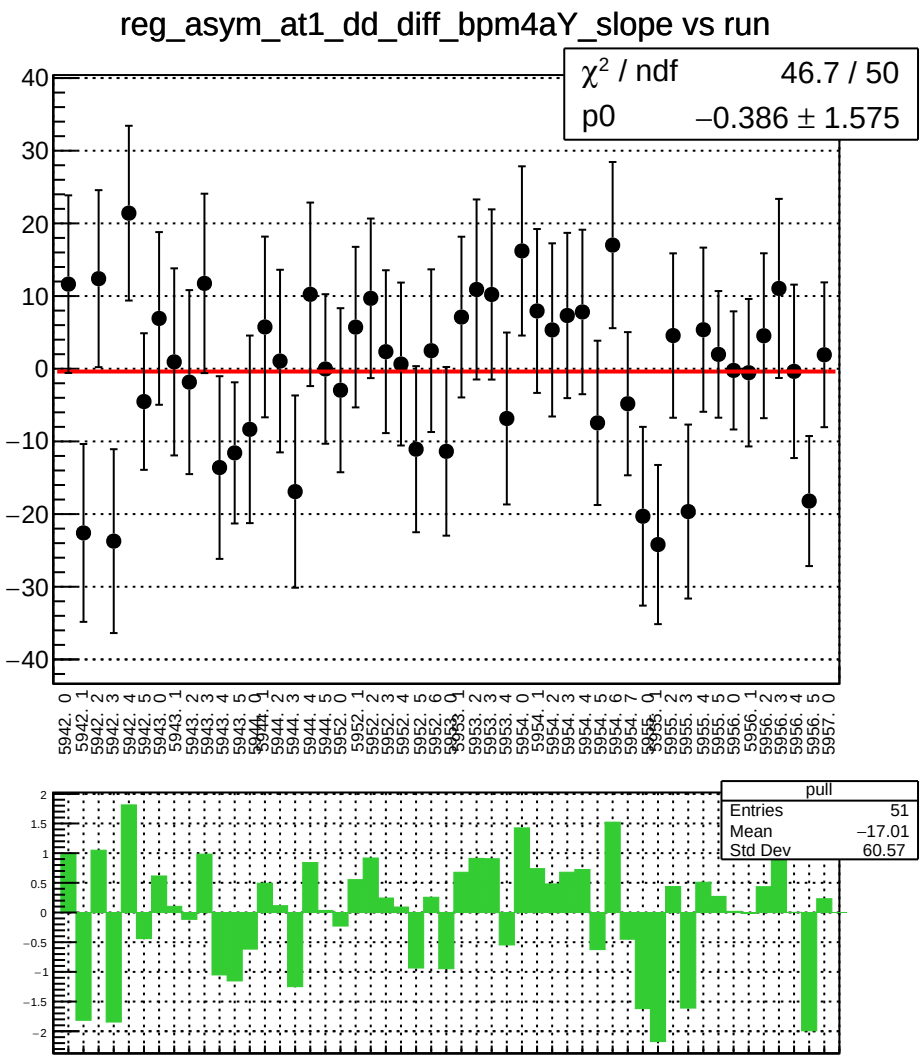

pull1D
Entries 51
Mean −0.007054
Std Dev 0.8745

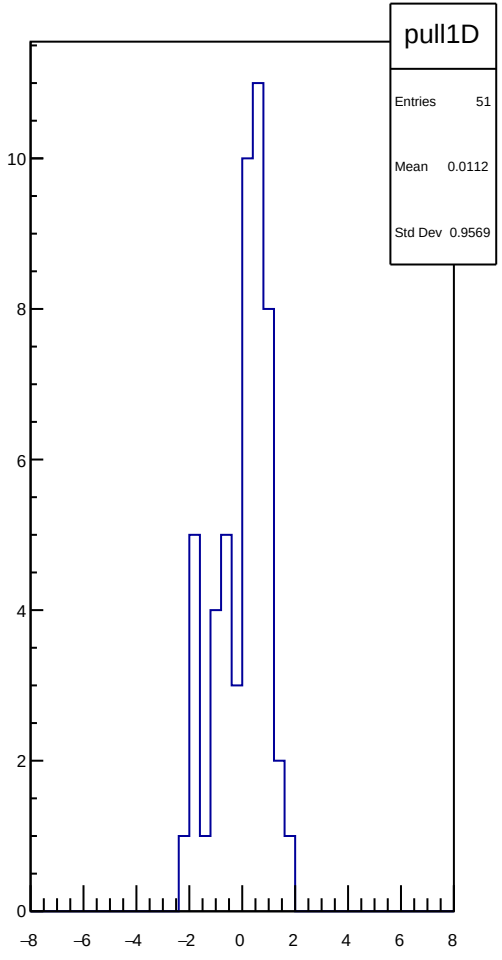

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ^2 / ndf 60.91 / 50
p0 −22.09 ± 0.181
pull
Entries 51
Mean 1217
Std Dev 1189

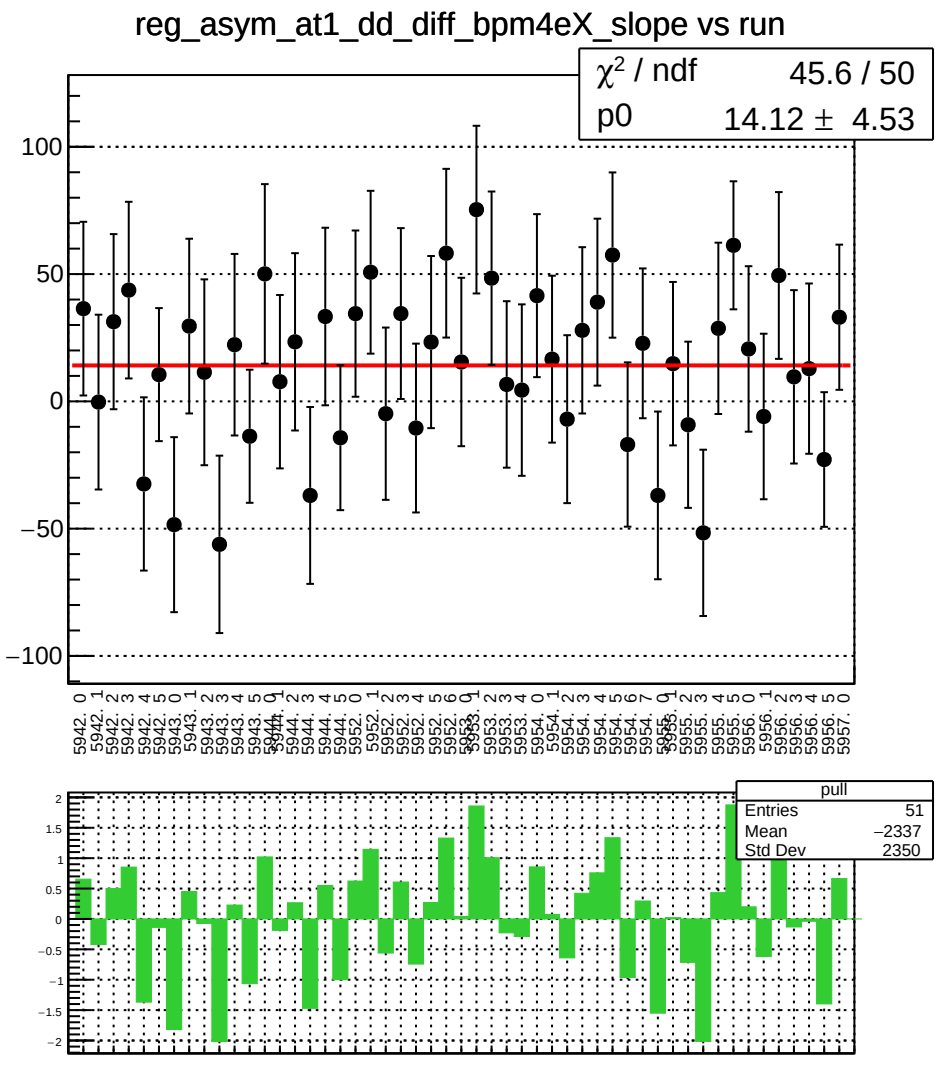

pull1D
Entries 51
Mean −0.00423
Std Dev 1.093

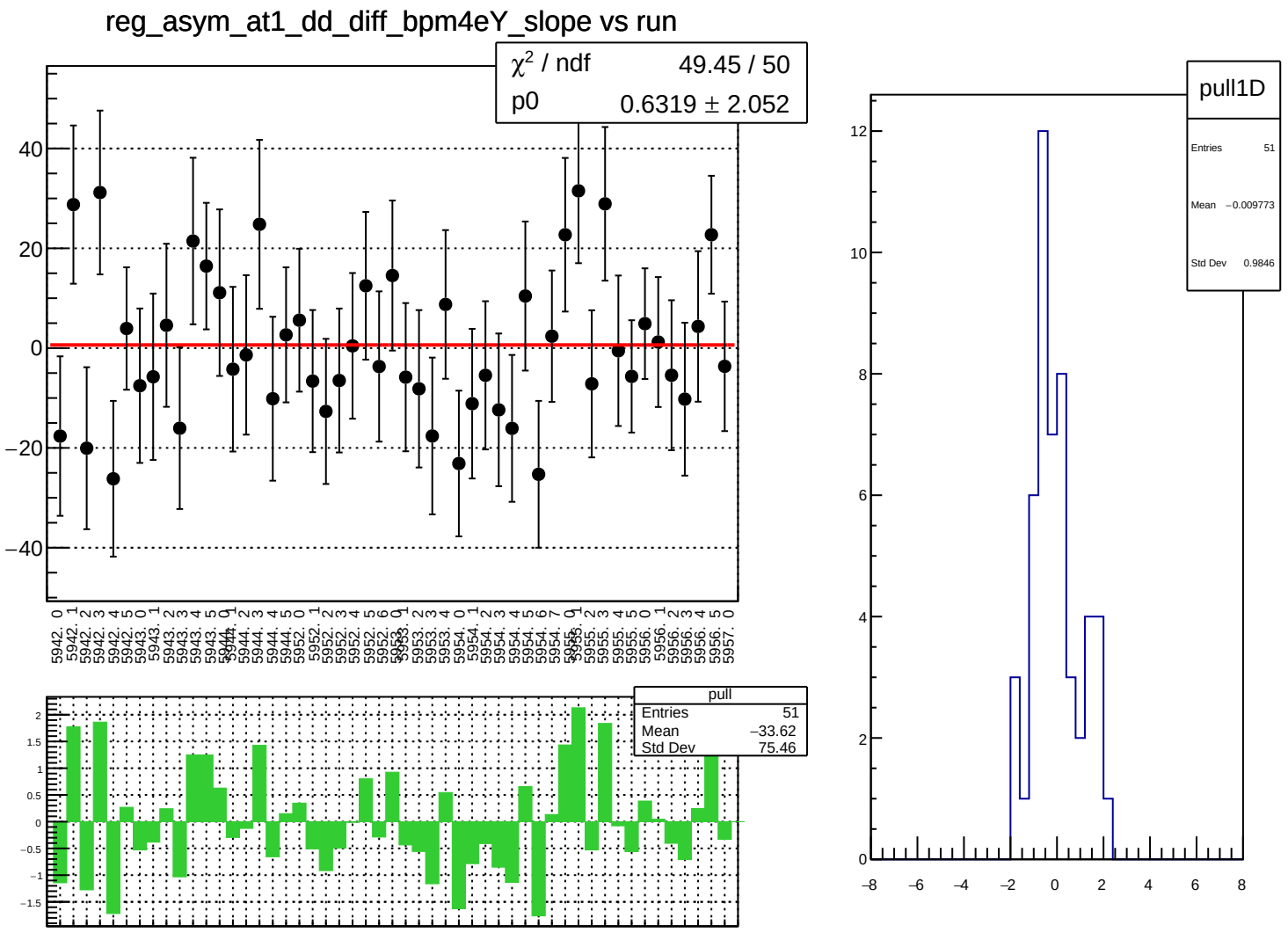

reg_asym_at1_dd_diff_bpm4aX_slope vs run
χ² / ndf 44.6 / 50
p0 32.68 ± 4.27
pull
Entries 51
Mean −1238
Std Dev 1252

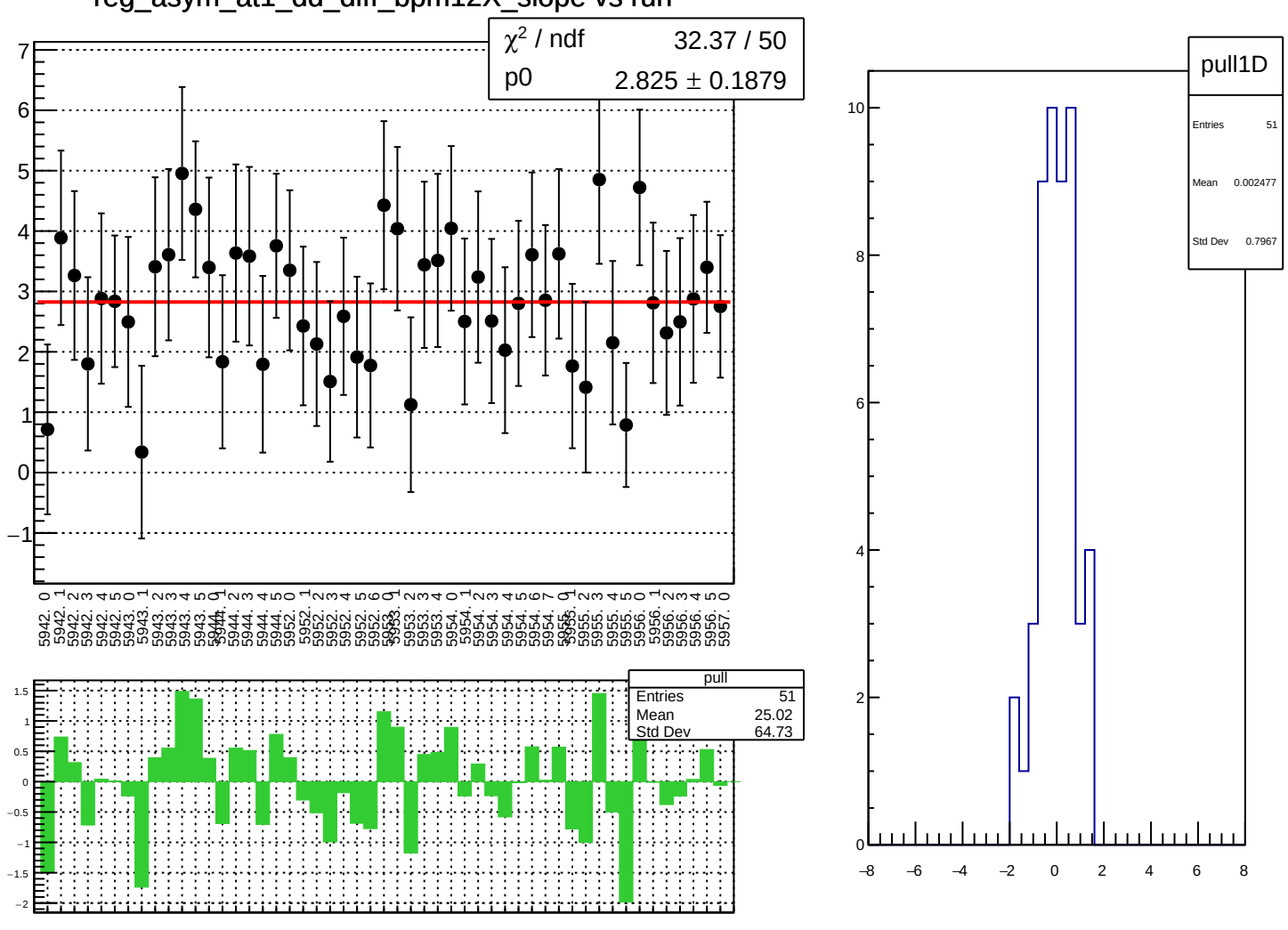

pull1D
Entries 51
Mean 0.0007465
Std Dev 0.9352

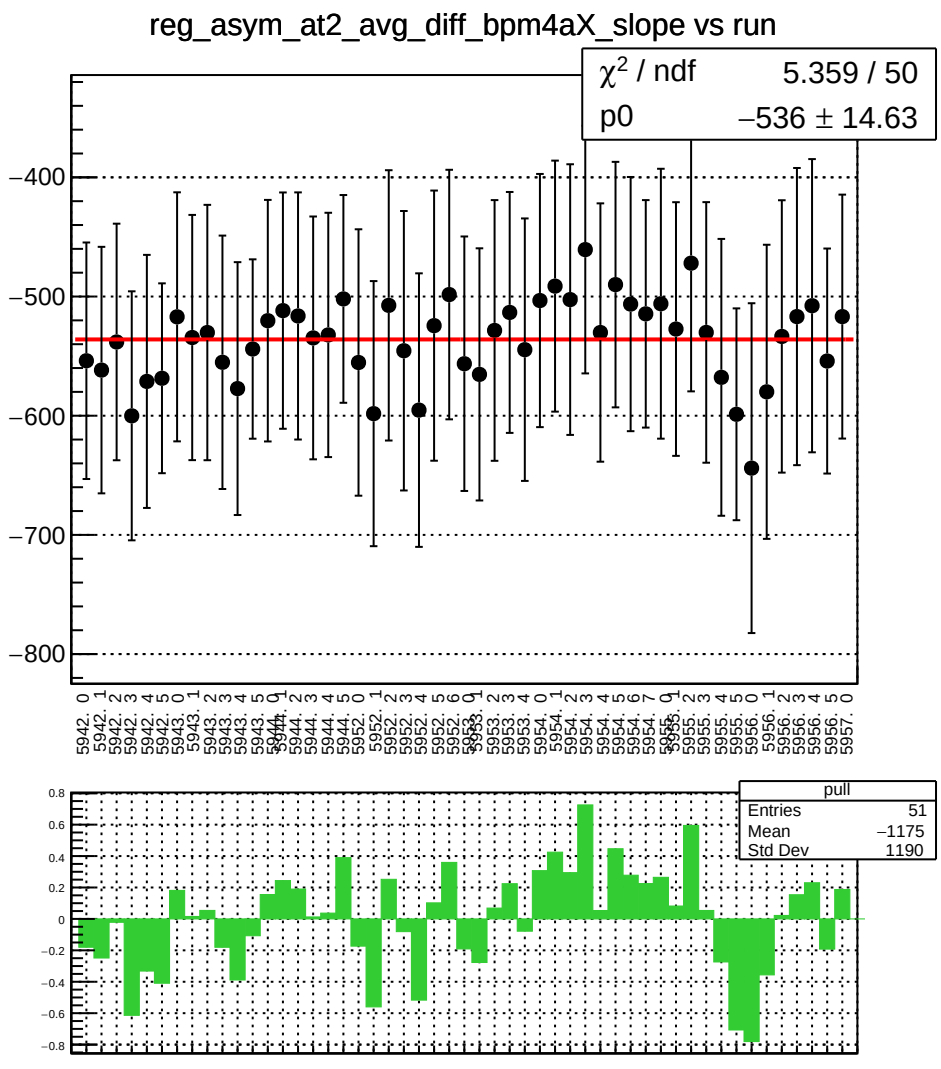

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 46.7 / 50
p0 −0.386 ± 1.575
pull
Entries 51
Mean −17.01
Std Dev 60.57

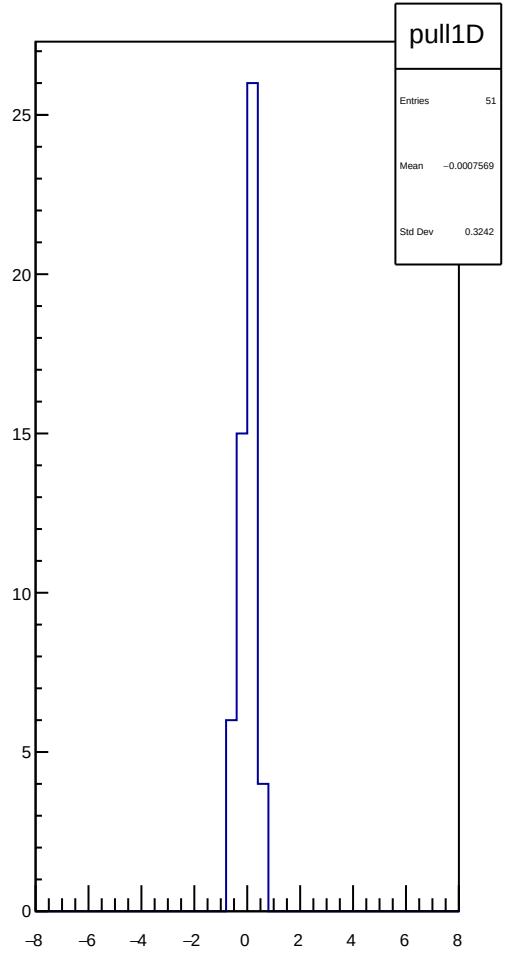

pull1D
Entries 51
Mean 0.0112
Std Dev 0.9569

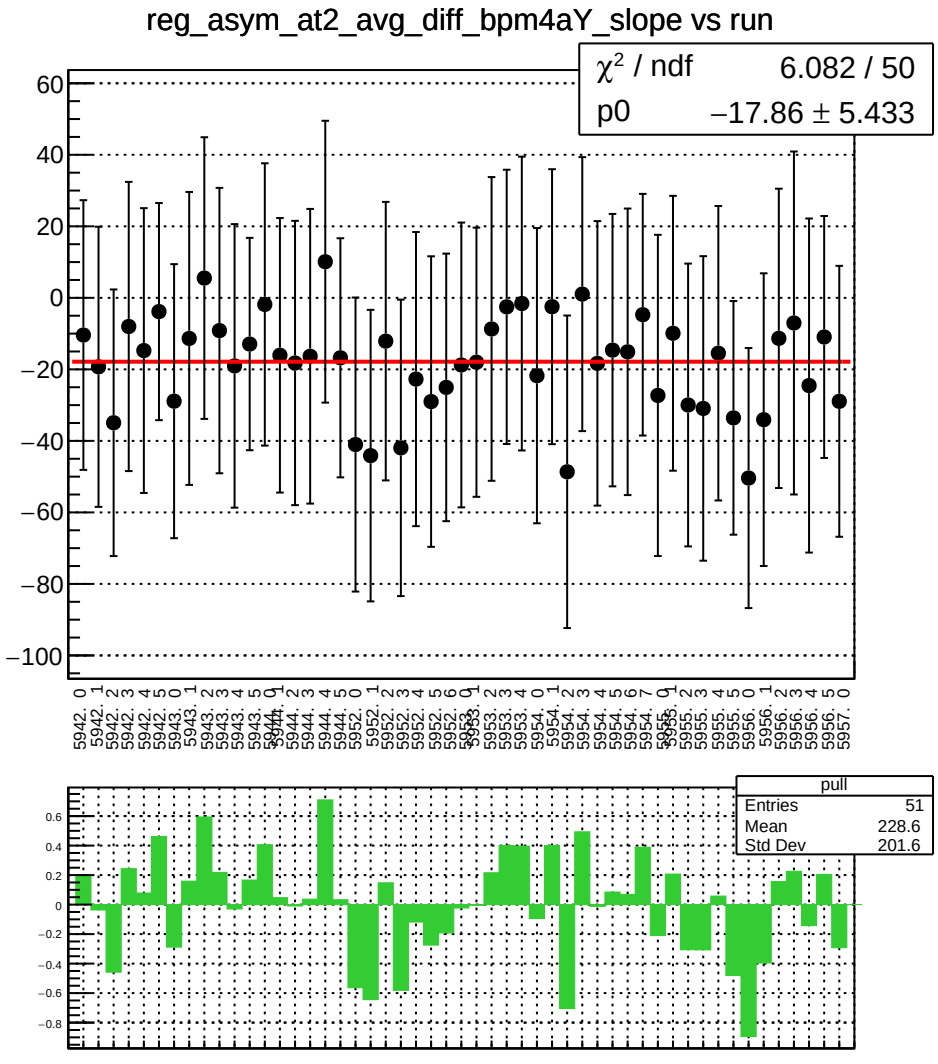

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 45.6 / 50
p0 14.12 ± 4.53
100
50
0
−50
−100
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5952. 9
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
5956. 6
5957. 0
pull
Entries 51
Mean −2337
Std Dev 2350
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 51
Mean −0.0004174
Std Dev 0.9456
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

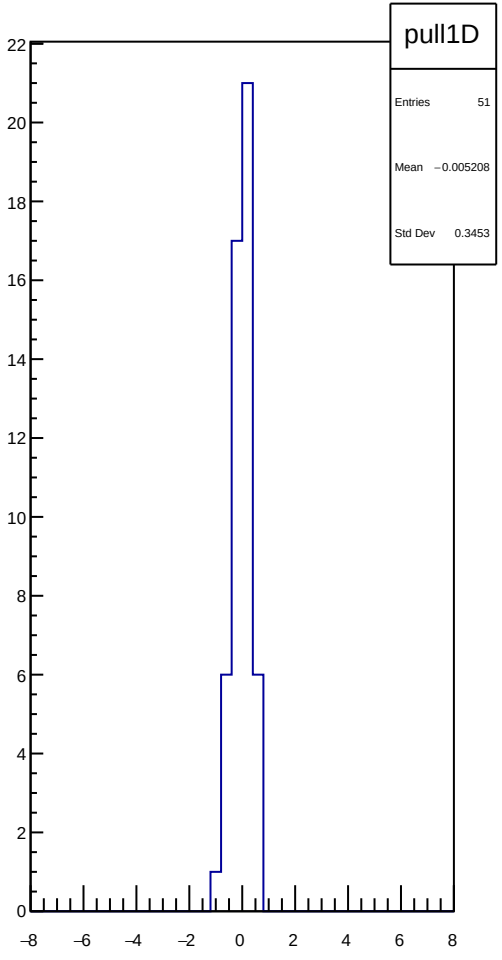

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 49.45 / 50
p0 0.6319 ± 2.052
pull
Entries 51
Mean −33.62
Std Dev 75.46
pull1D
Entries 51
Mean −0.009773
Std Dev 0.9846

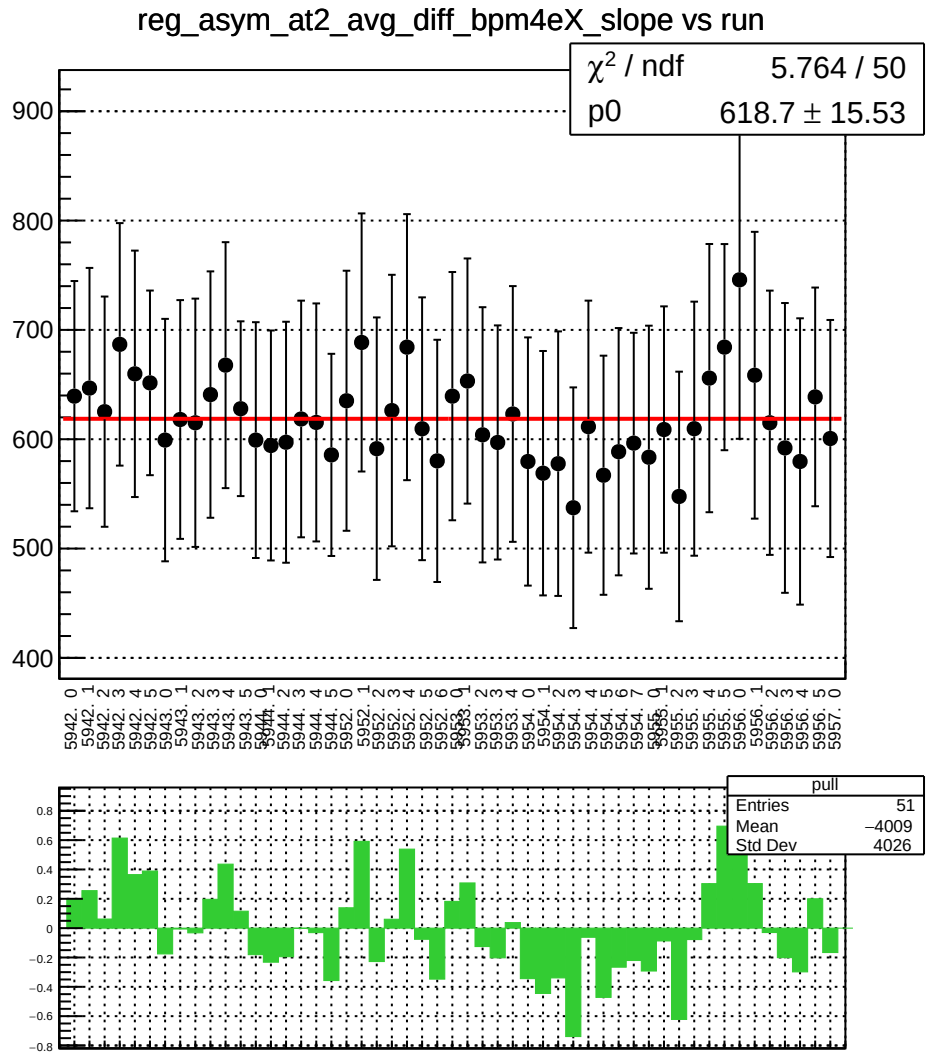

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 32.37 / 50
p0 2.825 ± 0.1879
pull
Entries 51
Mean 25.02
Std Dev 64.73
pull1D
Entries 51
Mean 0.002477
Std Dev 0.7967

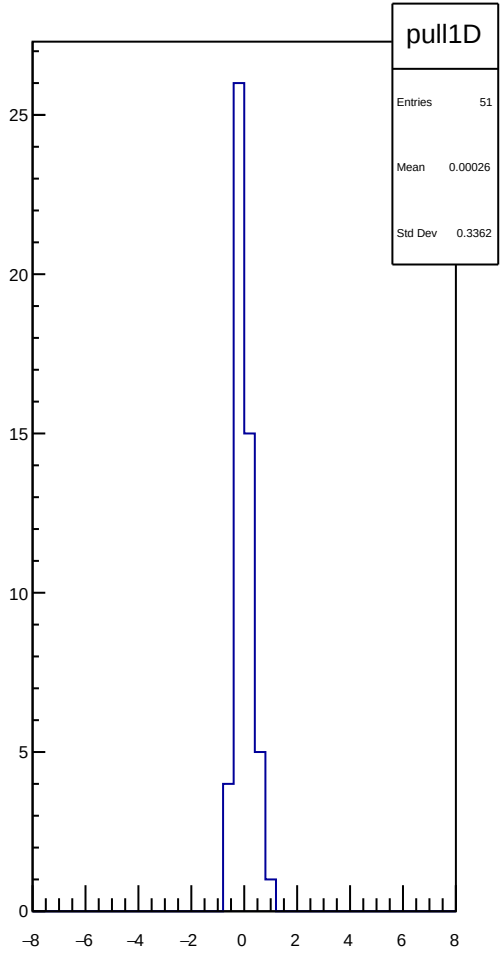

reg_asym_at2_avg_diff_bpm4aX_slope vs run
χ² / ndf 5.359 / 50
p0 −536 ± 14.63
−400
−500
−600
−700
−800
pull
Entries 51
Mean −1175
Std Dev 1190
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

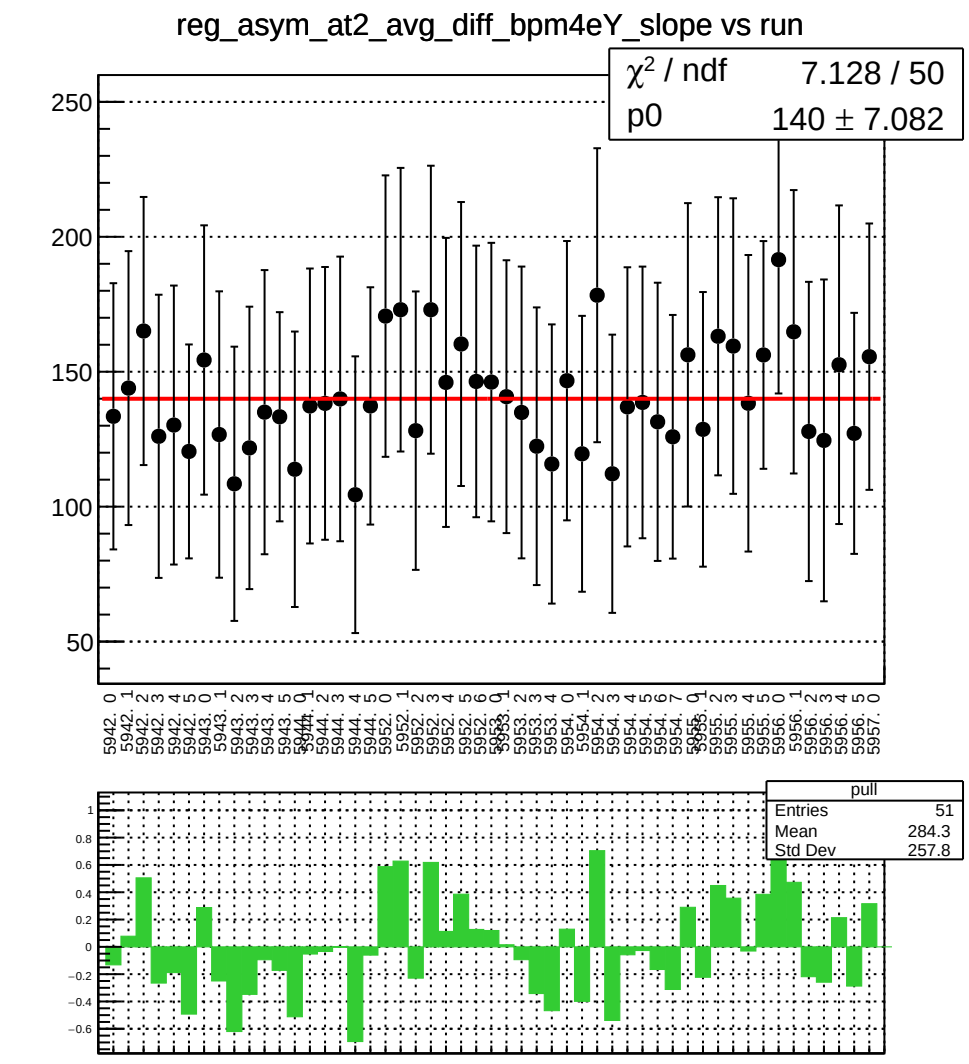

pull1D
Entries 51
Mean −0.0007569
Std Dev 0.3242
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

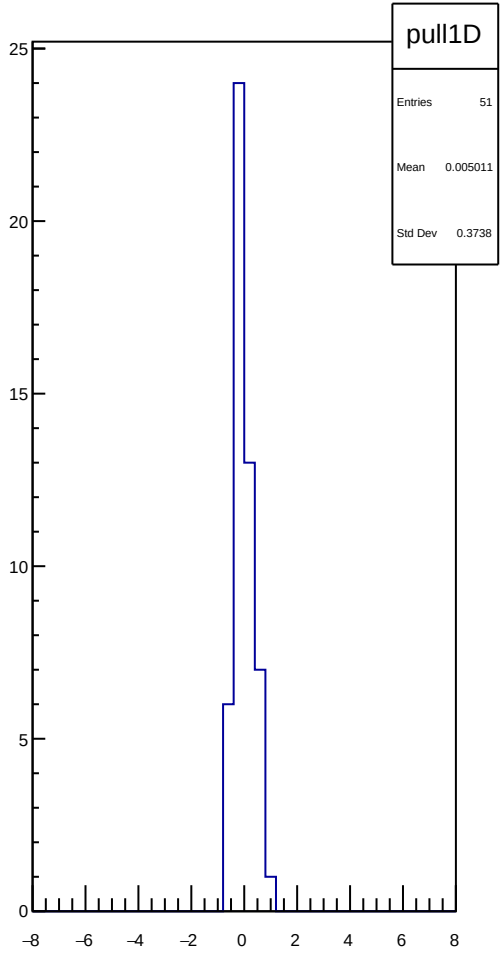

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.082 / 50
p0 −17.86 ± 5.433
pull
Entries 51
Mean 228.6
Std Dev 201.6

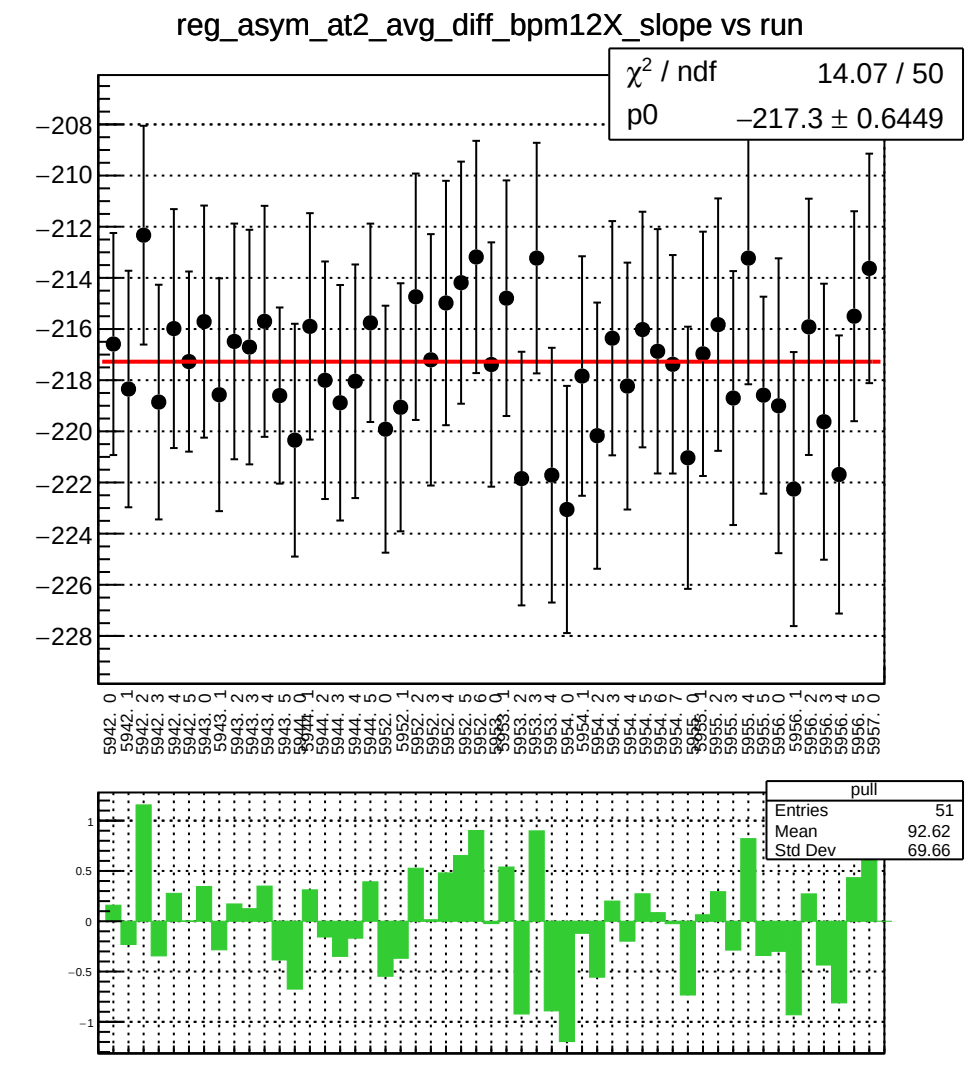

pull1D
Entries 51
Mean −0.005208
Std Dev 0.3453

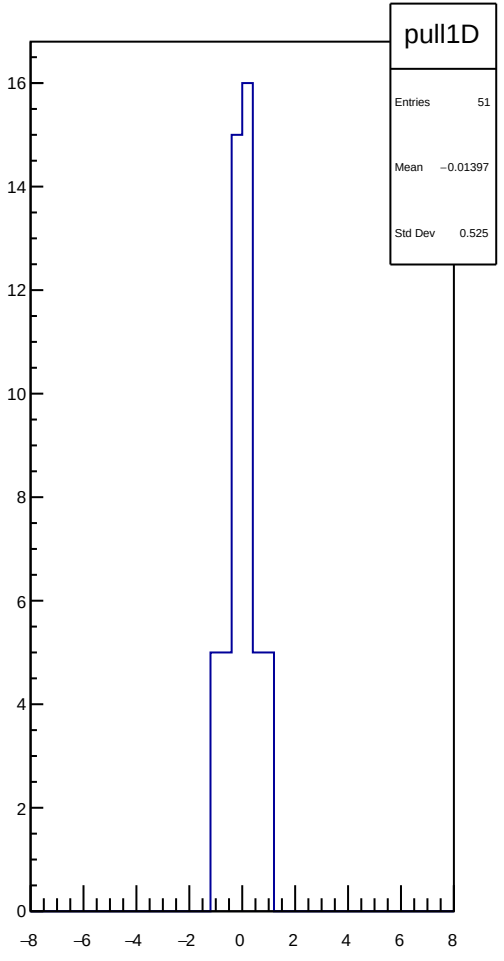

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 5.764 / 50
p0 618.7 ± 15.53
900
800
700
600
500
400
pull
Entries 51
Mean −4009
Std Dev 4026
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

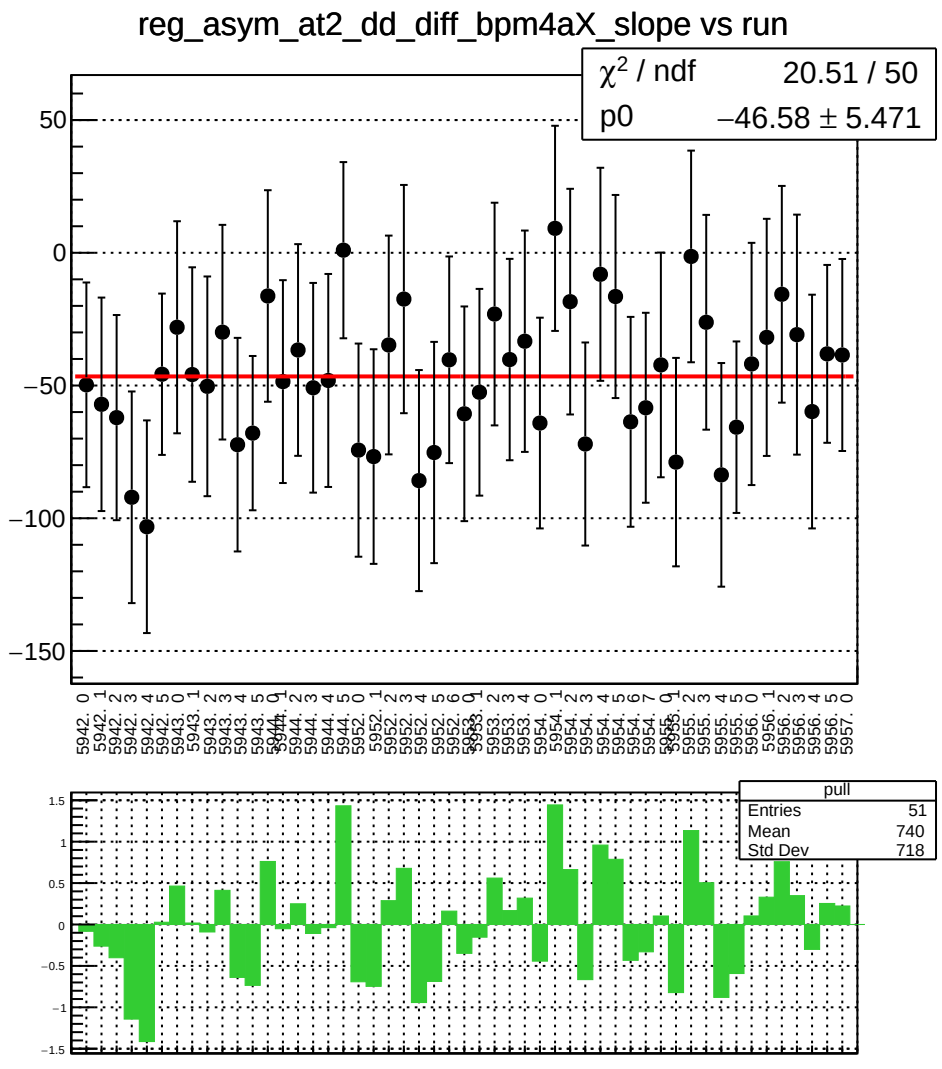

pull1D
Entries 51
Mean 0.00026
Std Dev 0.3362
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

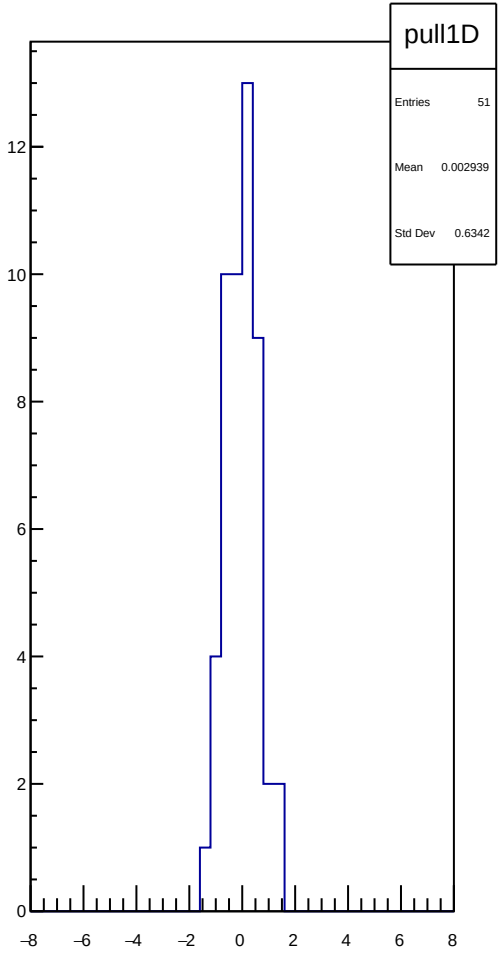

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.128 / 50
p0 140 ± 7.082
250
200
150
100
50
pull
Entries 51
Mean 284.3
Std Dev 257.8
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

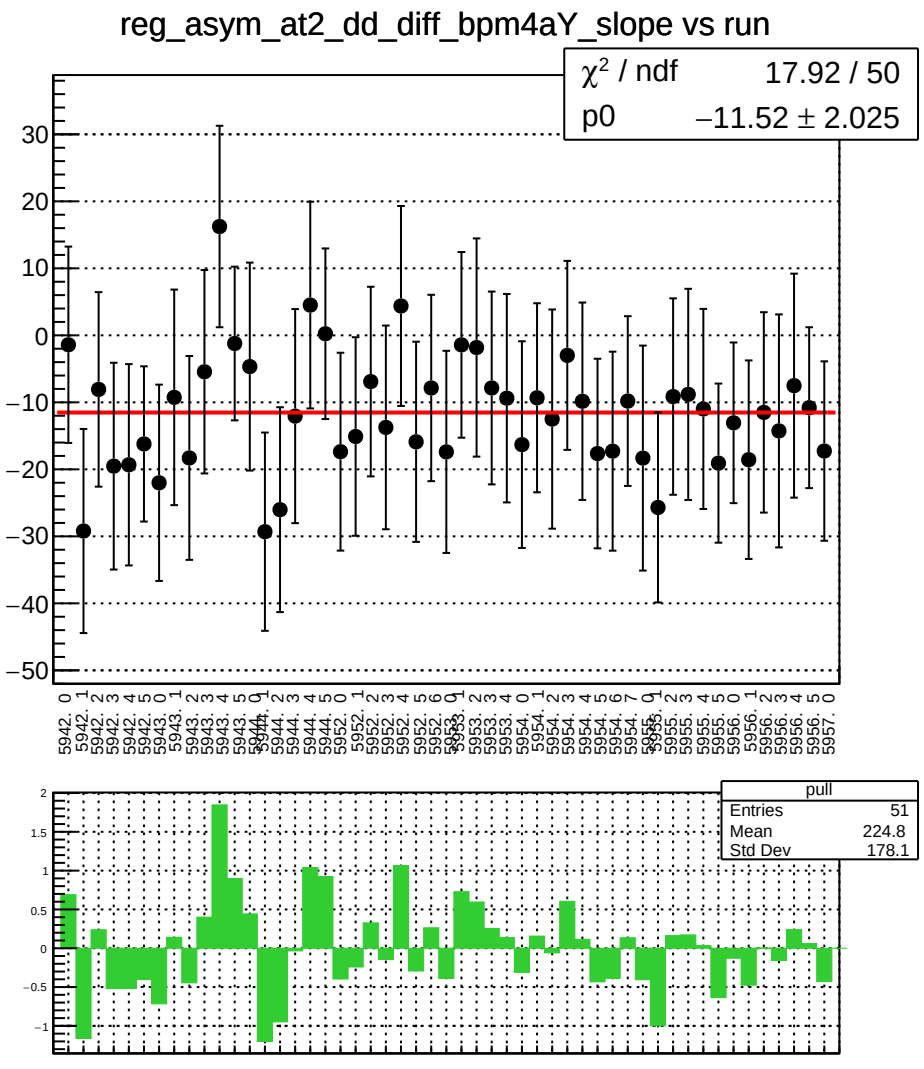

pull1D
Entries 51
Mean 0.005011
Std Dev 0.3738
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

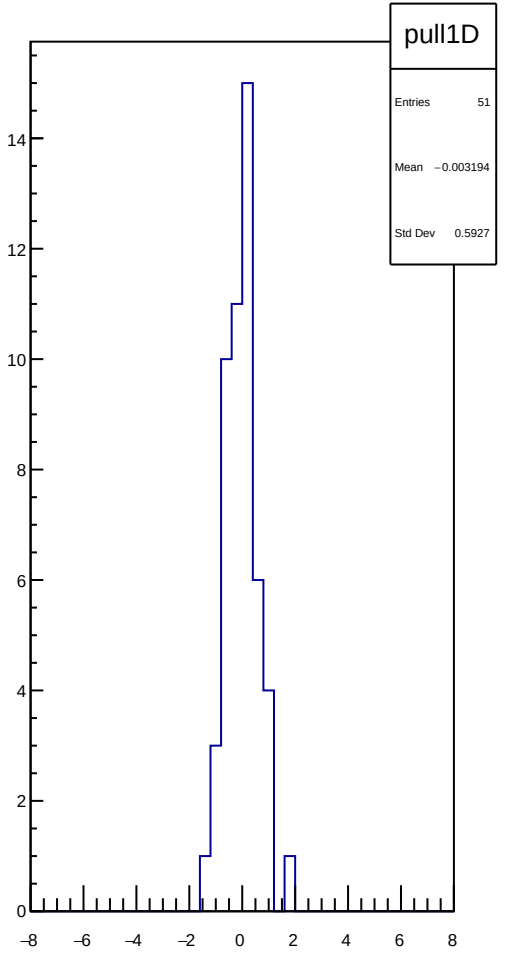

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 14.07 / 50
p0 −217.3 ± 0.6449
pull
Entries 51
Mean 92.62
Std Dev 69.66

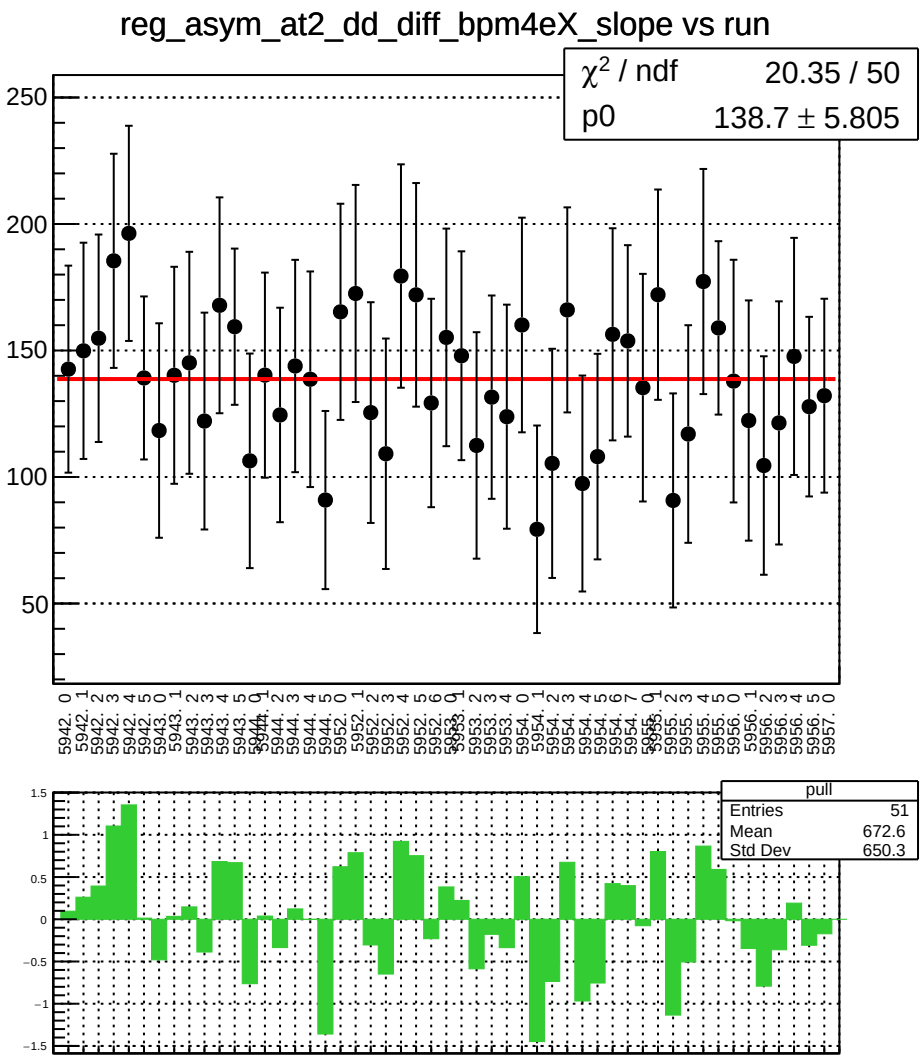

pull1D
Entries 51
Mean −0.01397
Std Dev 0.525

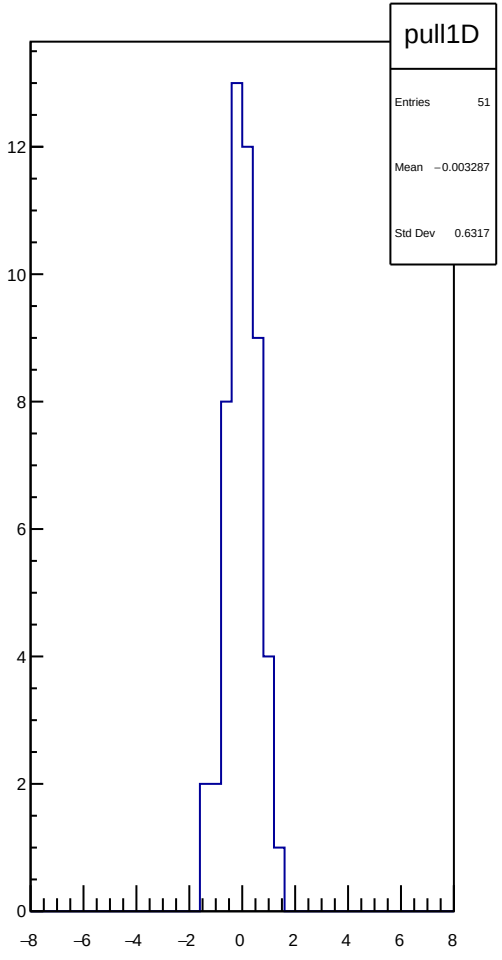

reg_asym_at2_dd_diff_bpm4aX_slope vs run
χ² / ndf 20.51 / 50
p0 −46.58 ± 5.471
pull
Entries 51
Mean 740
Std Dev 718

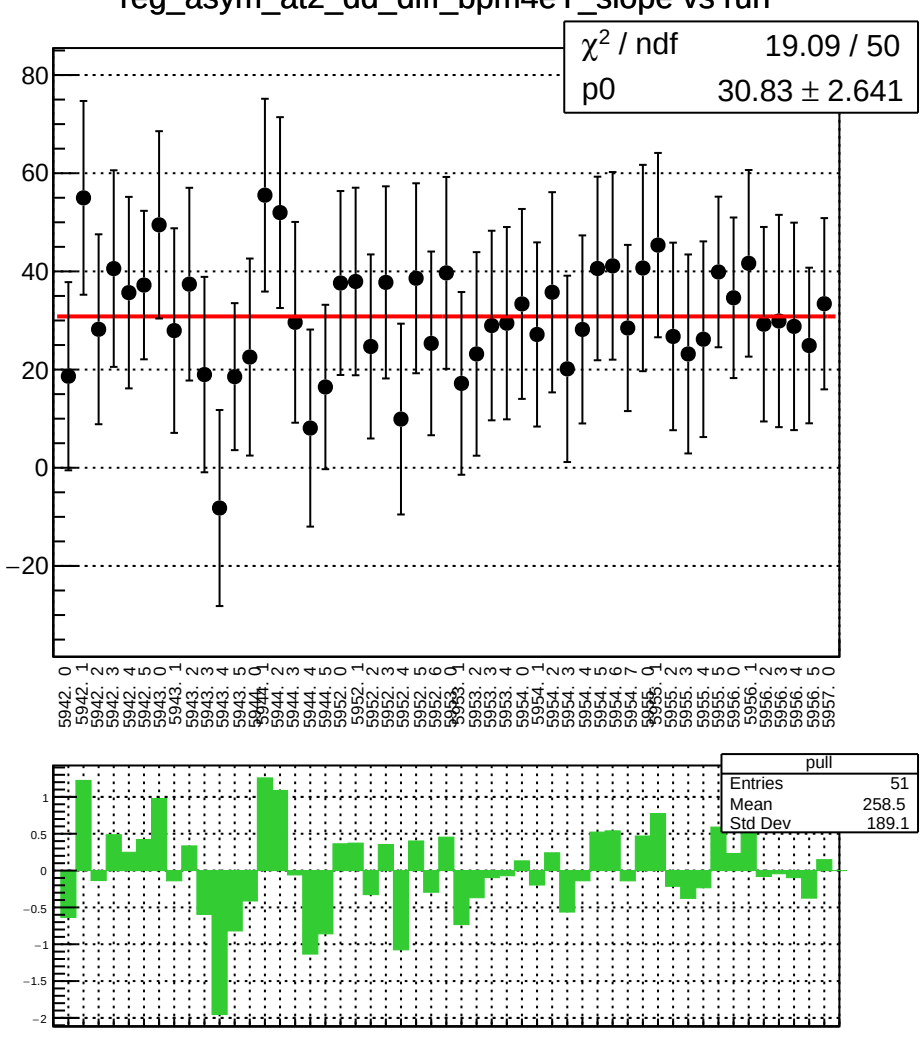

pull1D
Entries 51
Mean 0.002939
Std Dev 0.6342

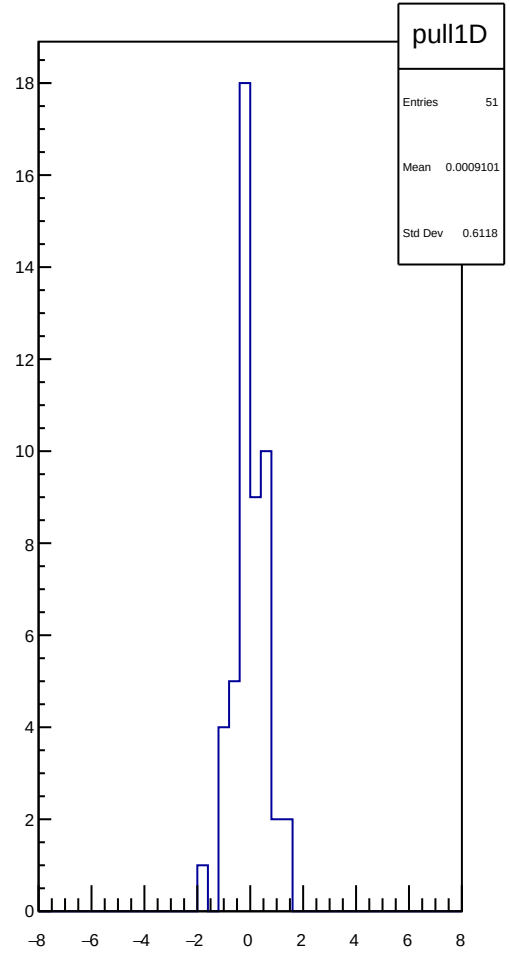

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 17.92 / 50
p0 −11.52 ± 2.025
pull
Entries 51
Mean 224.8
Std Dev 178.1

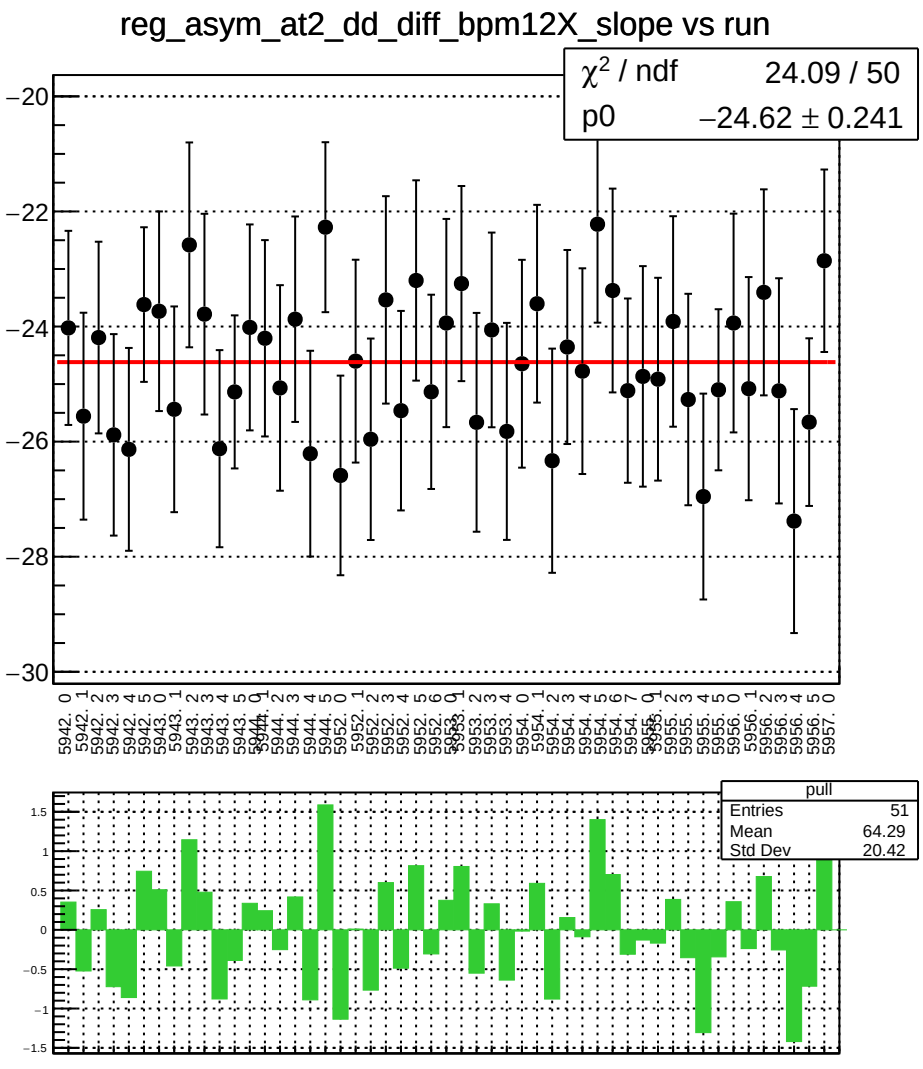

pull1D
Entries 51
Mean −0.003194
Std Dev 0.5927

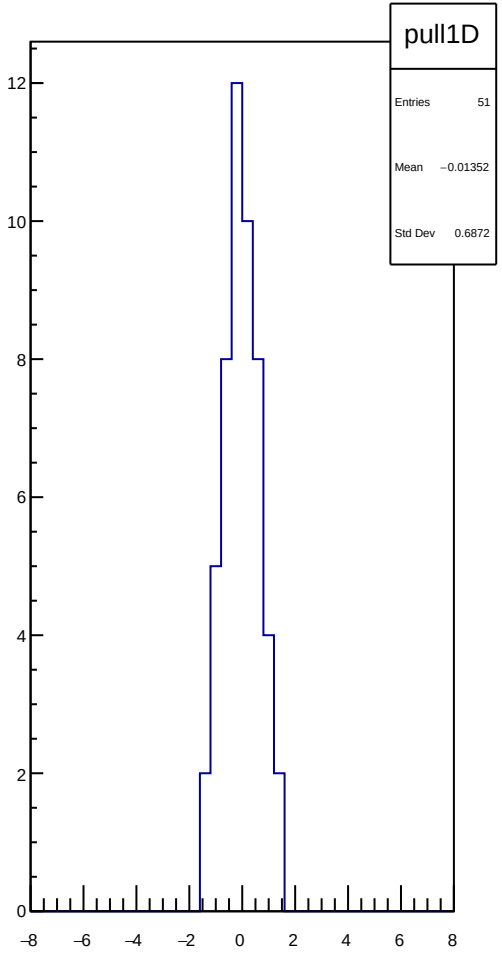

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 20.35 / 50
p0 138.7 ± 5.805
250
200
150
100
50
pull
Entries 51
Mean 672.6
Std Dev 650.3
1.5
1
0.5
0
−0.5
−1
−1.5

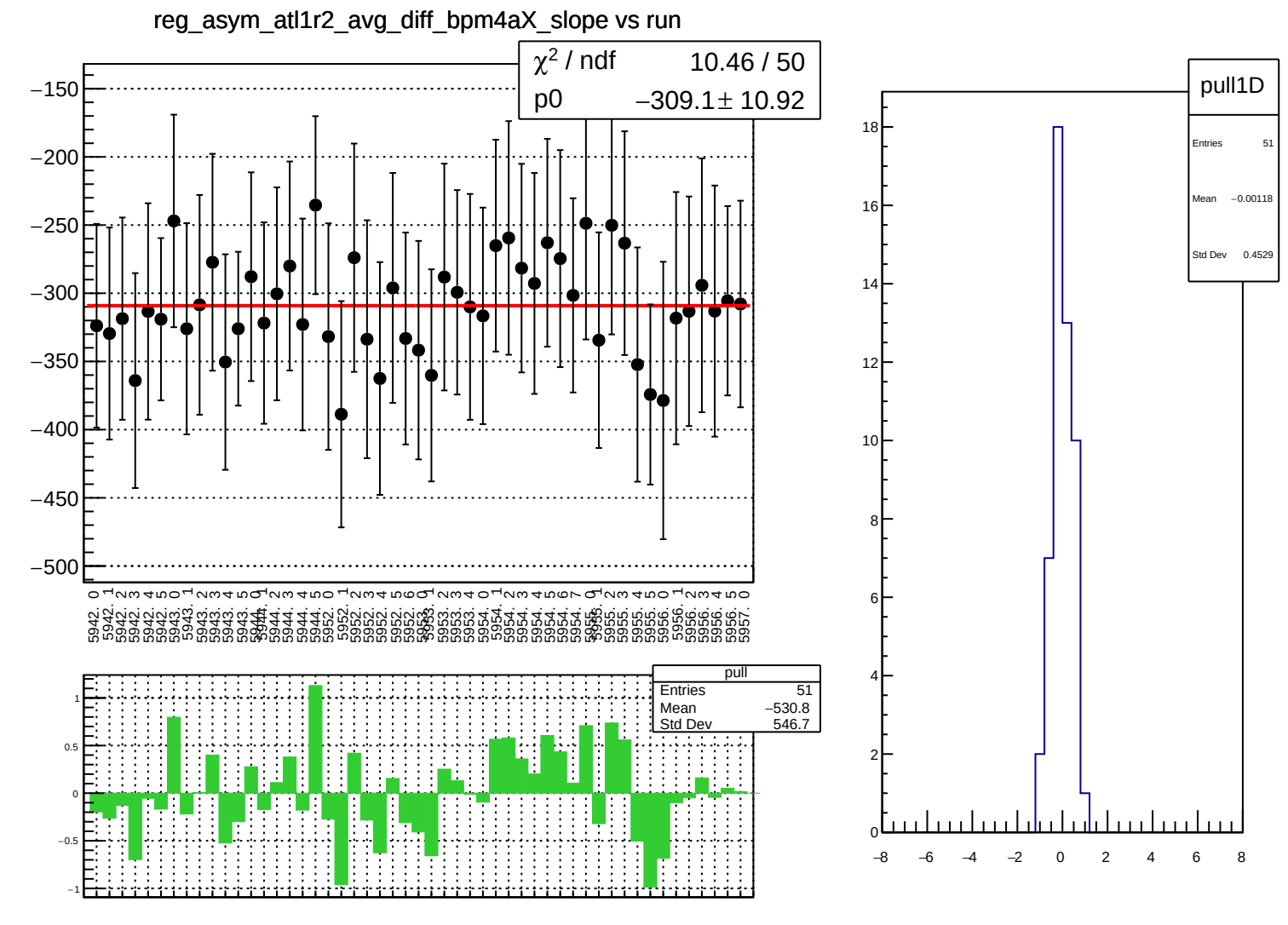

pull1D
Entries 51
Mean −0.003287
Std Dev 0.6317
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

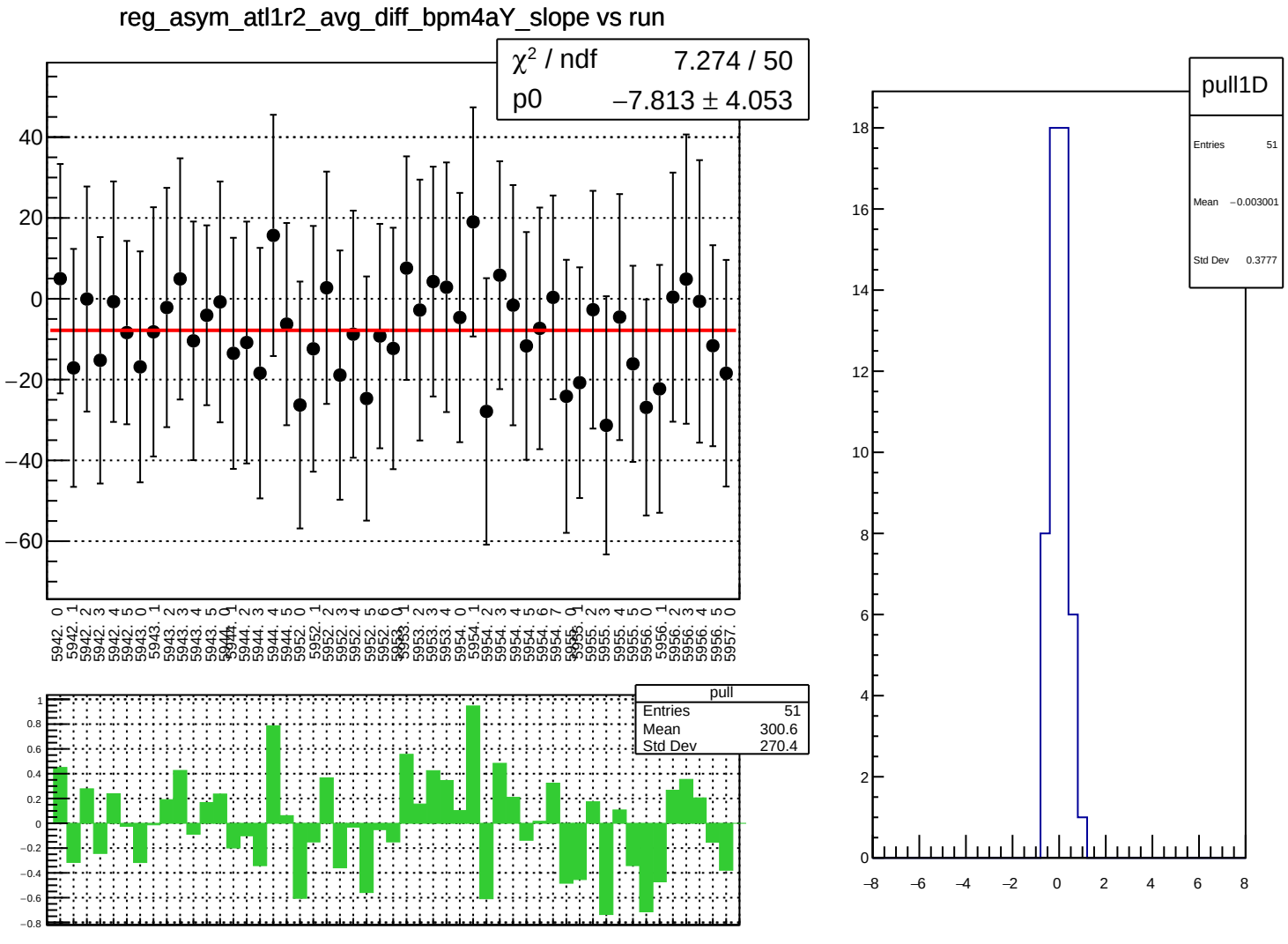

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 19.09 / 50
p0 30.83 ± 2.641
pull
Entries 51
Mean 258.5
Std Dev 189.1

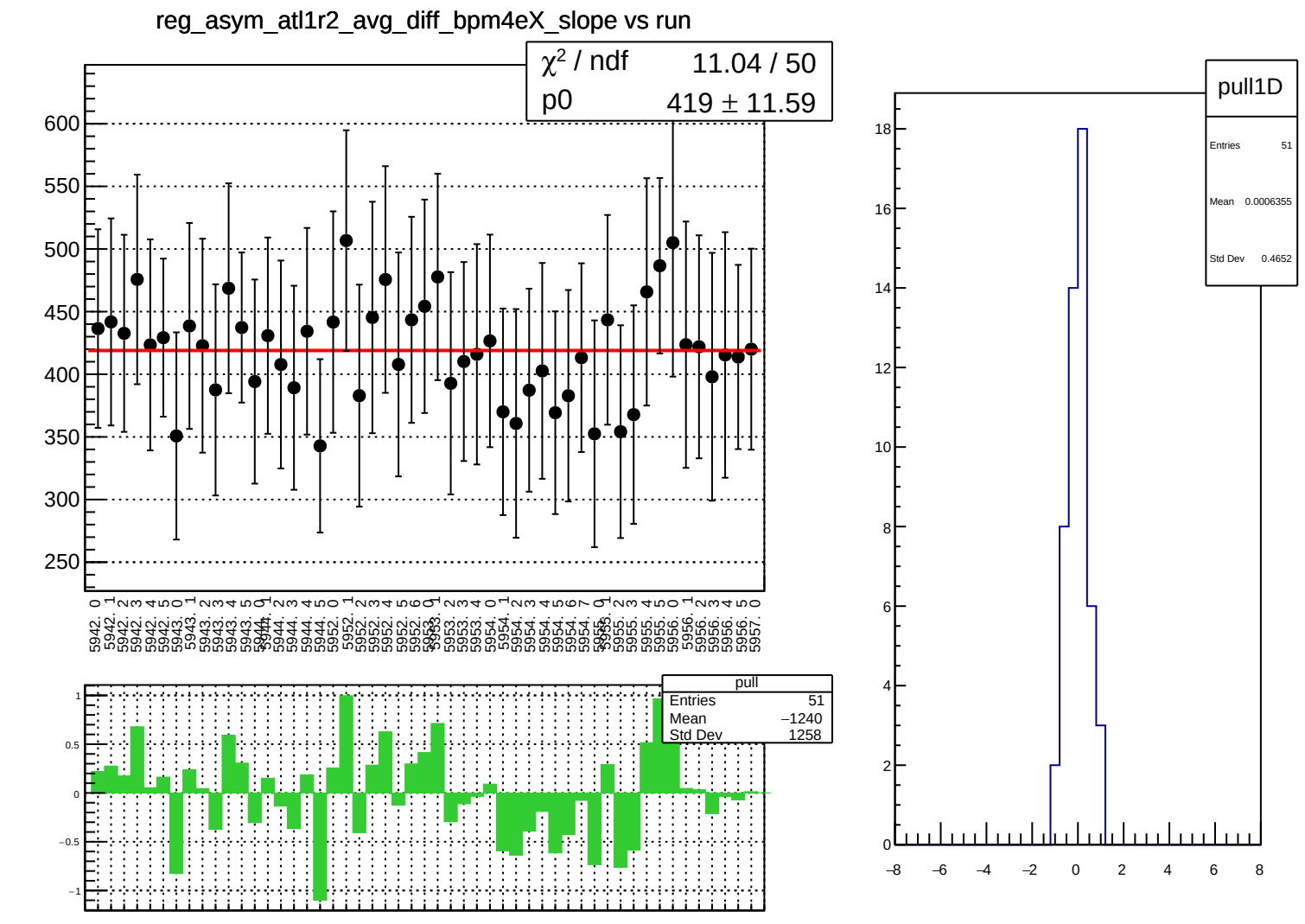

pull1D
Entries 51
Mean 0.0009101
Std Dev 0.6118

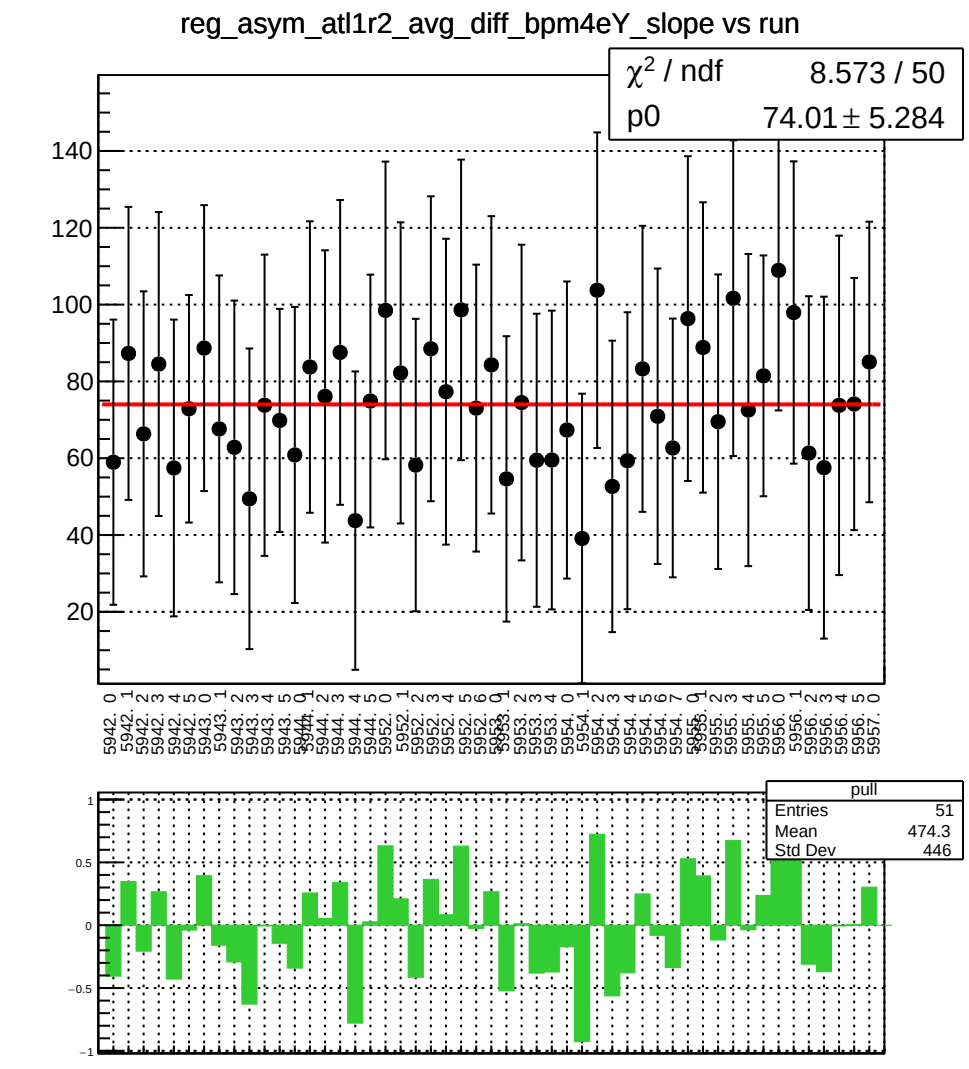

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 24.09 / 50
p0 −24.62 ± 0.241
pull
Entries 51
Mean 64.29
Std Dev 20.42

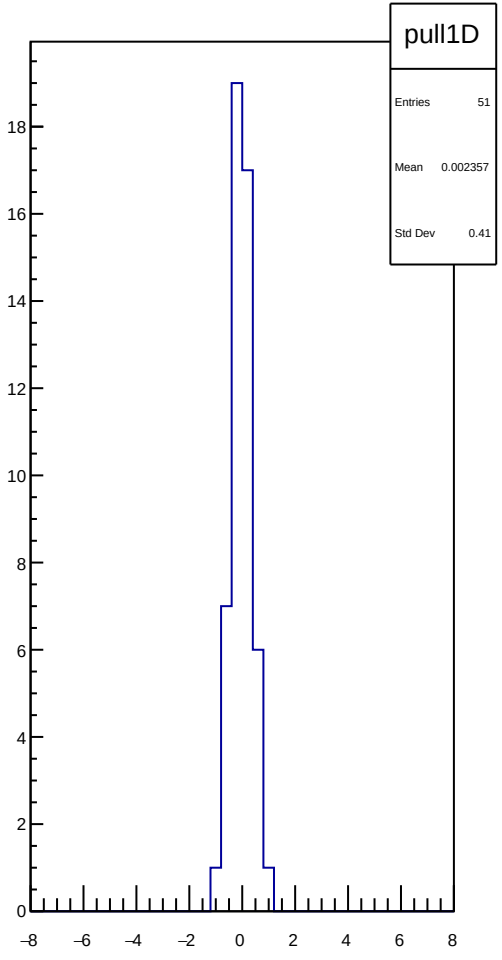

pull1D
Entries 51
Mean −0.01352
Std Dev 0.6872

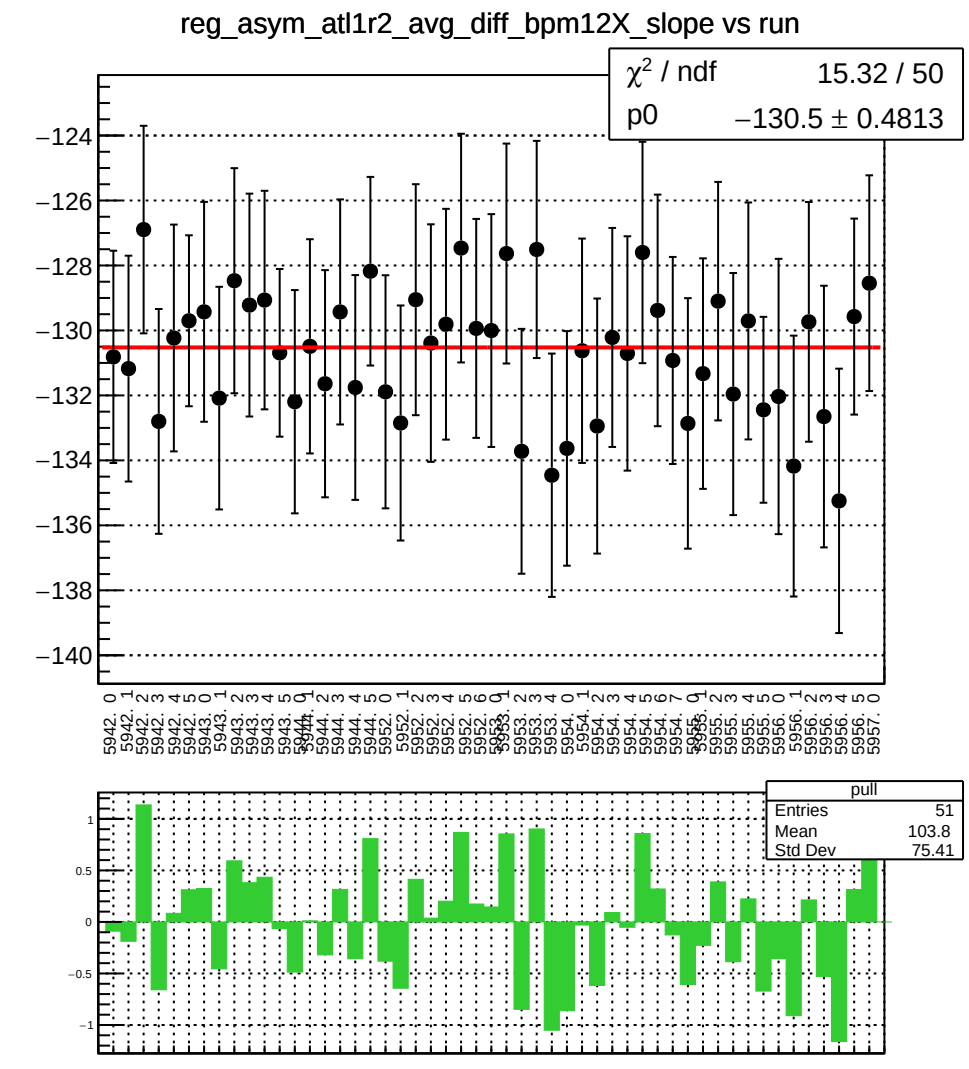

reg_asym_atl1r2_avg_diff_bpm4aX_slope vs run
χ² / ndf 10.46 / 50
p0 −309.1± 10.92
pull
Entries 51
Mean −530.8
Std Dev 546.7
pull1D
Entries 51
Mean −0.00118
Std Dev 0.4529

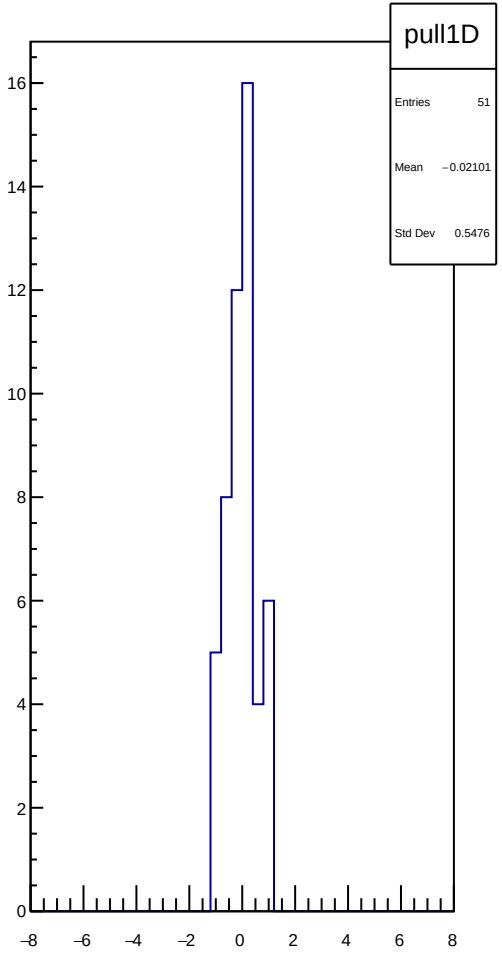

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.274 / 50
p0 −7.813 ± 4.053
pull
Entries 51
Mean 300.6
Std Dev 270.4
pull1D
Entries 51
Mean −0.003001
Std Dev 0.3777

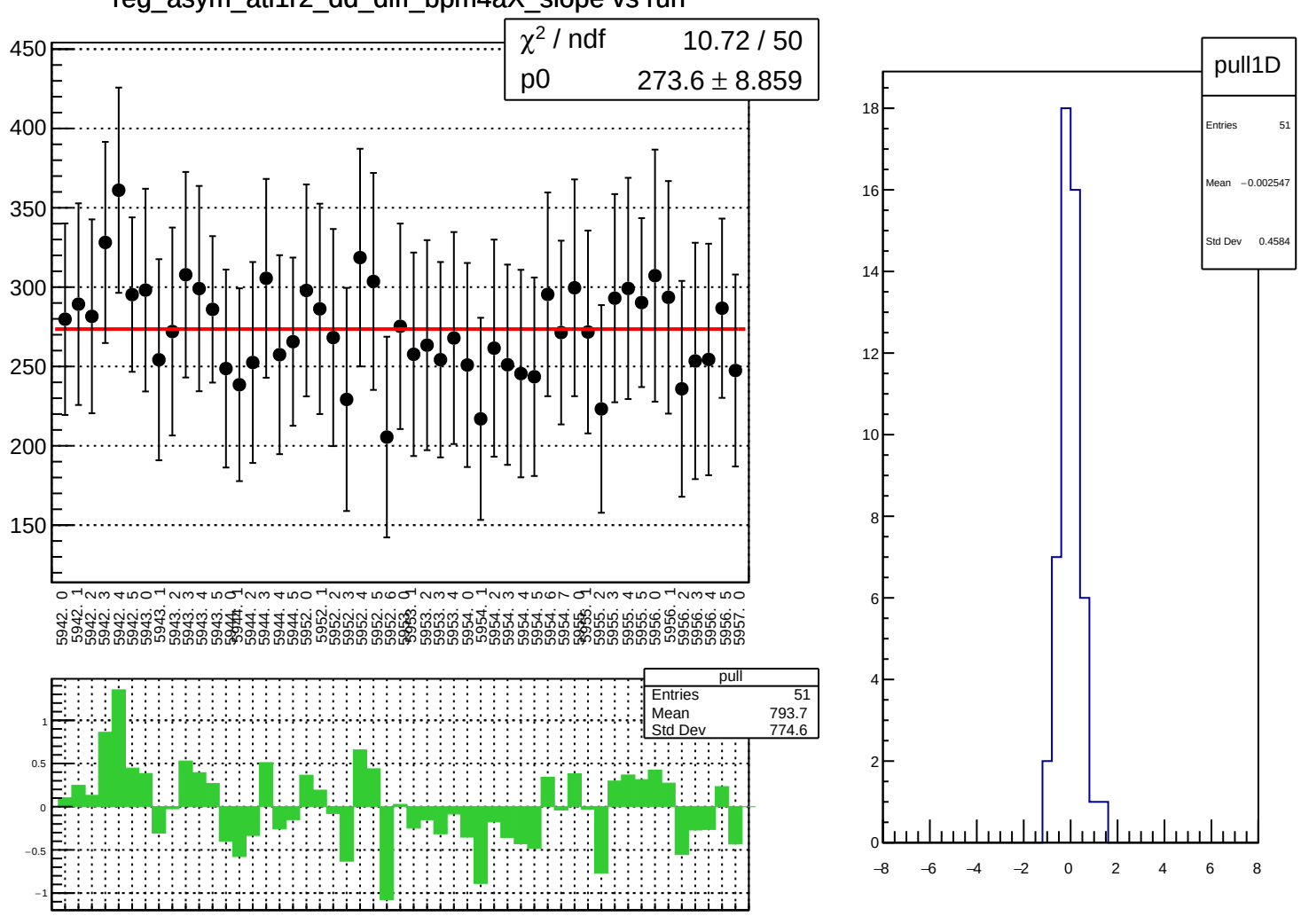

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 11.04 / 50
p0 419 ± 11.59
pull
Entries 51
Mean −1240
Std Dev 1258
pull1D
Entries 51
Mean 0.0006355
Std Dev 0.4652

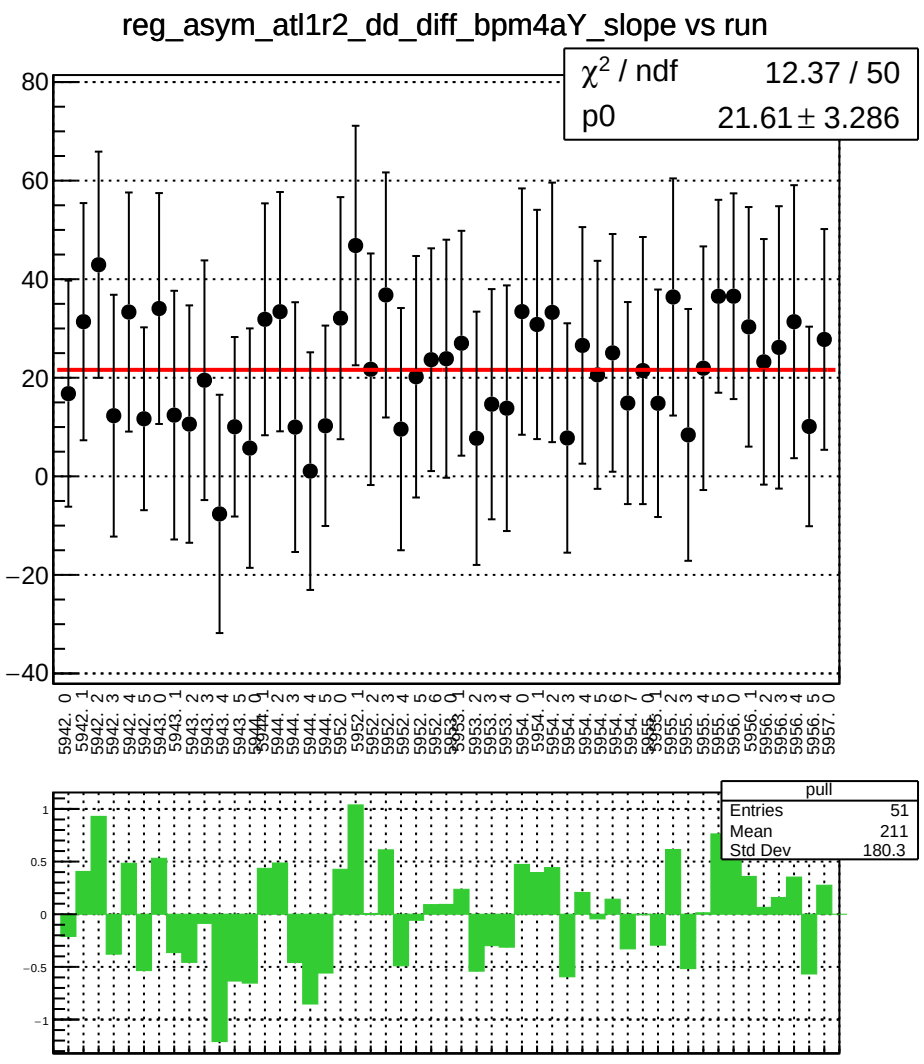

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.573 / 50
p0 74.01 ± 5.284
pull
Entries 51
Mean 474.3
Std Dev 446

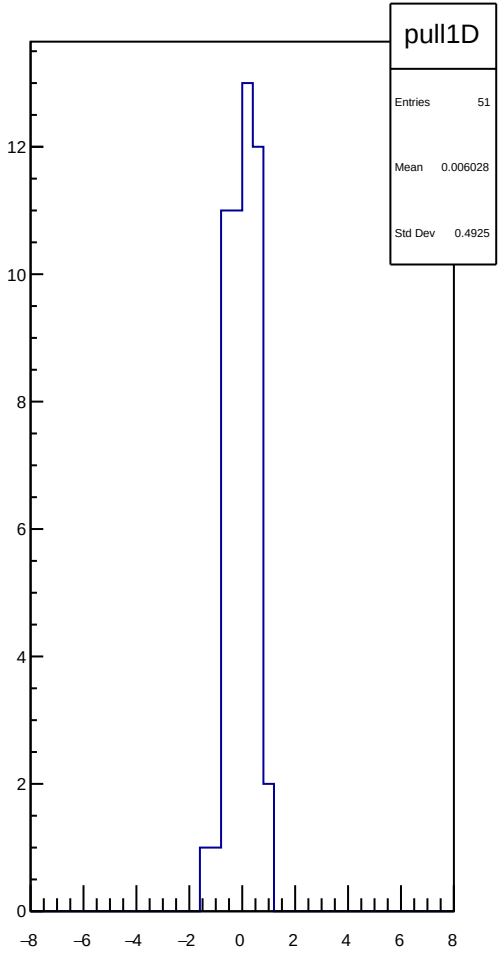

pull1D
Entries 51
Mean 0.002357
Std Dev 0.41

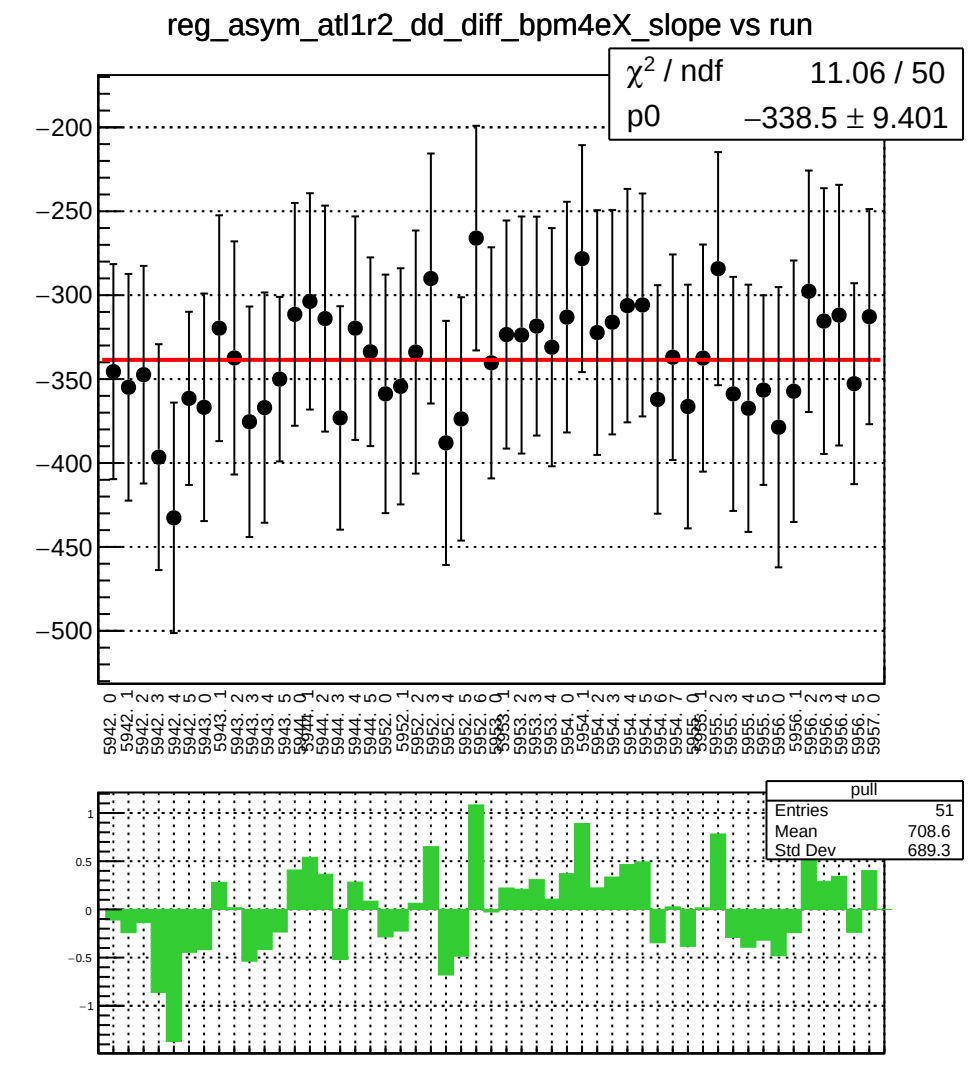

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 15.32 / 50
p0 −130.5 ± 0.4813
pull
Entries 51
Mean 103.8
Std Dev 75.41

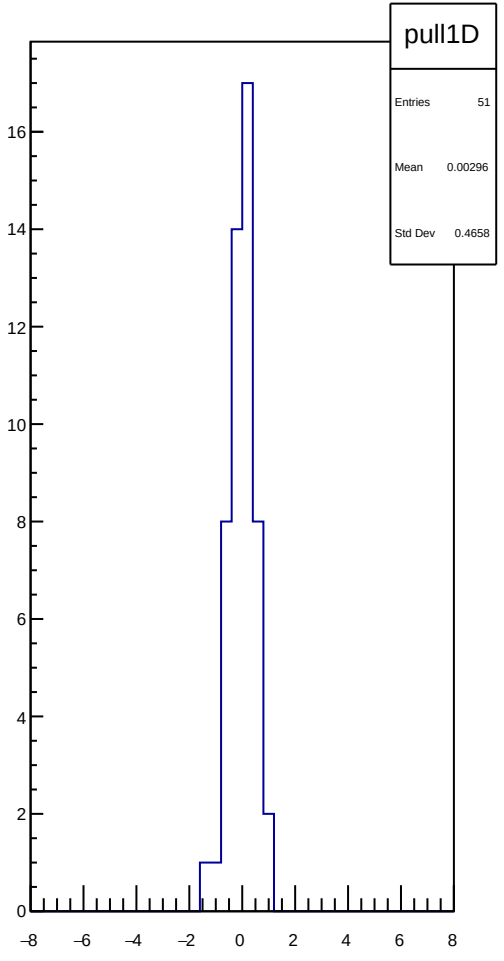

pull1D
Entries 51
Mean −0.02101
Std Dev 0.5476

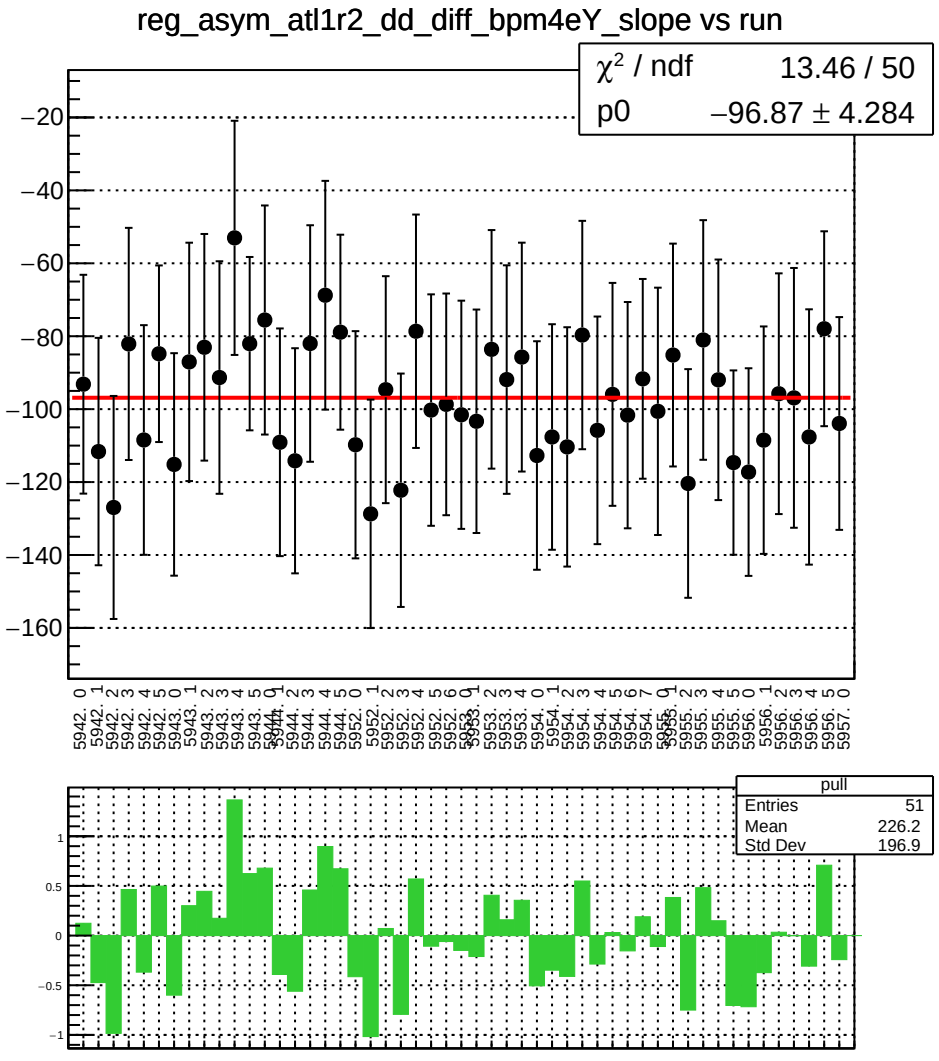

reg_asym_atl1r2_dd_diff_bpm4aX_slope vs run
χ² / ndf 10.72 / 50
p0 273.6 ± 8.859
pull
Entries 51
Mean 793.7
Std Dev 774.6
pull1D
Entries 51
Mean −0.002547
Std Dev 0.4584

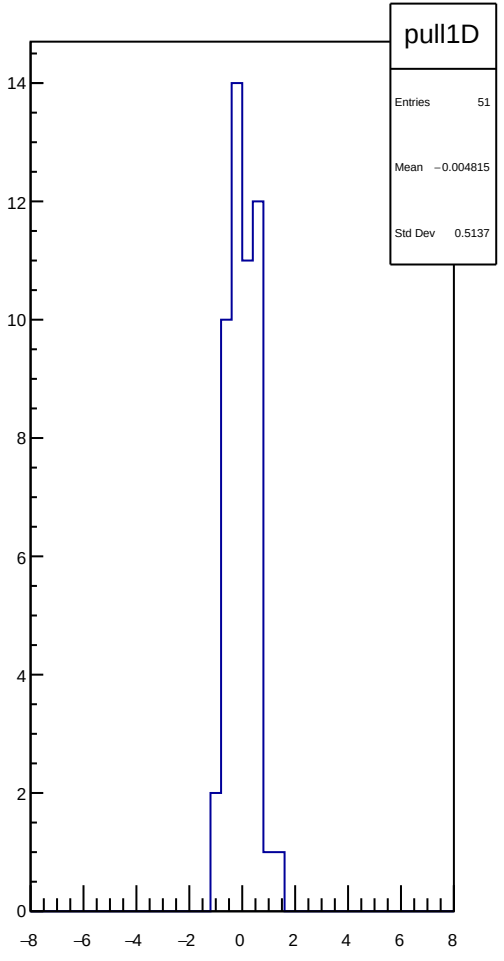

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.37 / 50
p0 21.61 ± 3.286
pull
Entries 51
Mean 211
Std Dev 180.3

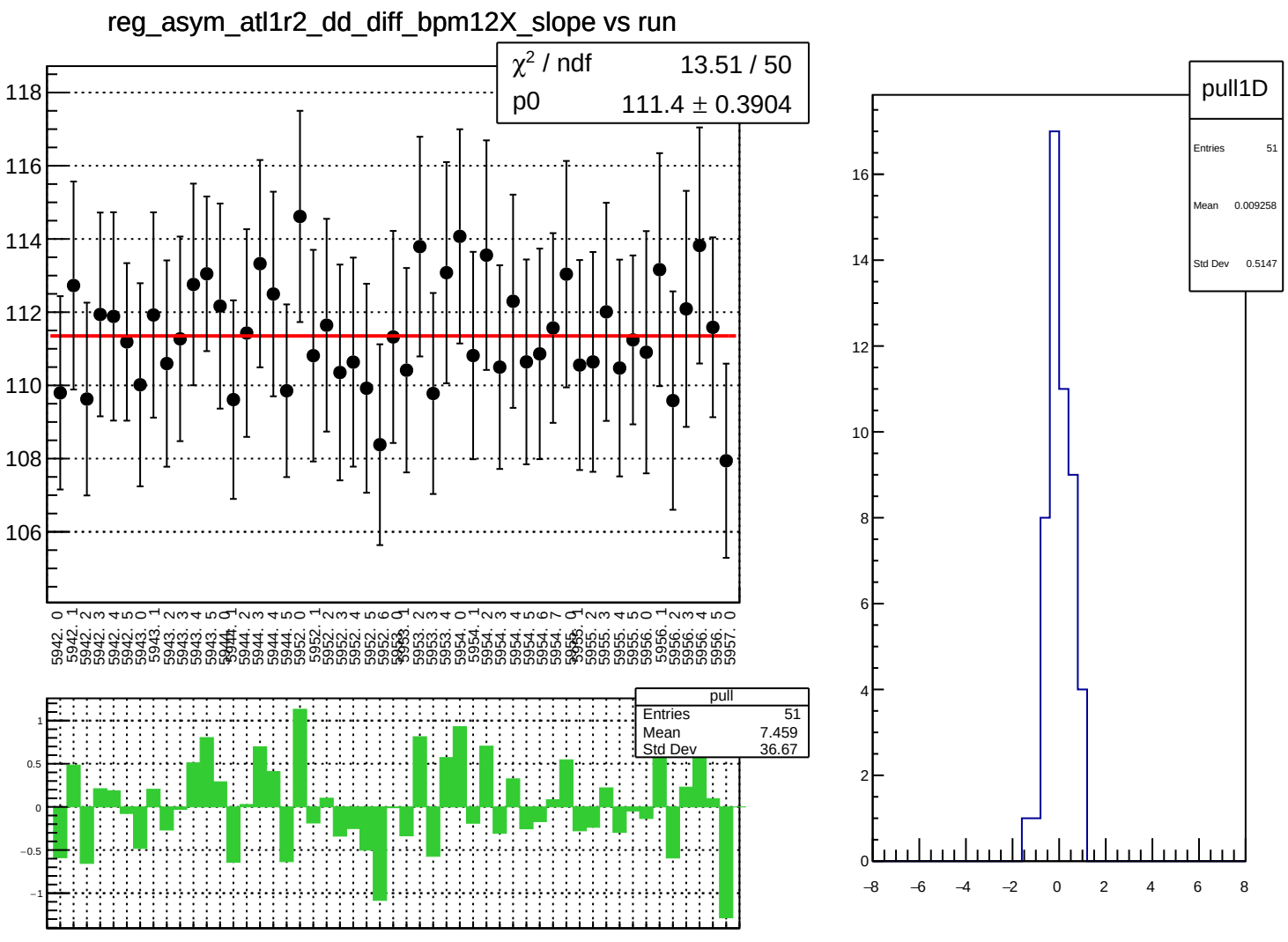

pull1D
Entries 51
Mean 0.006028
Std Dev 0.4925

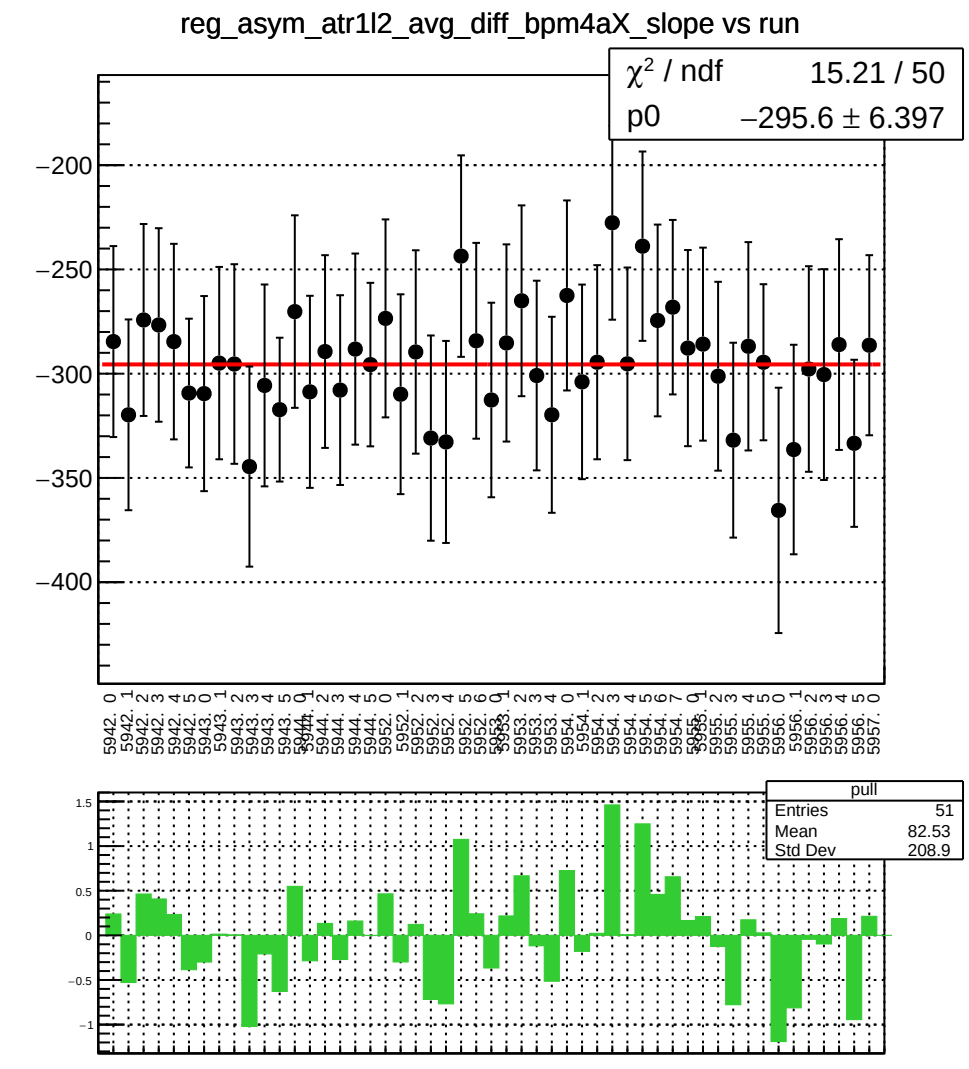

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 11.06 / 50
p0 −338.5 ± 9.401
pull
Entries 51
Mean 708.6
Std Dev 689.3

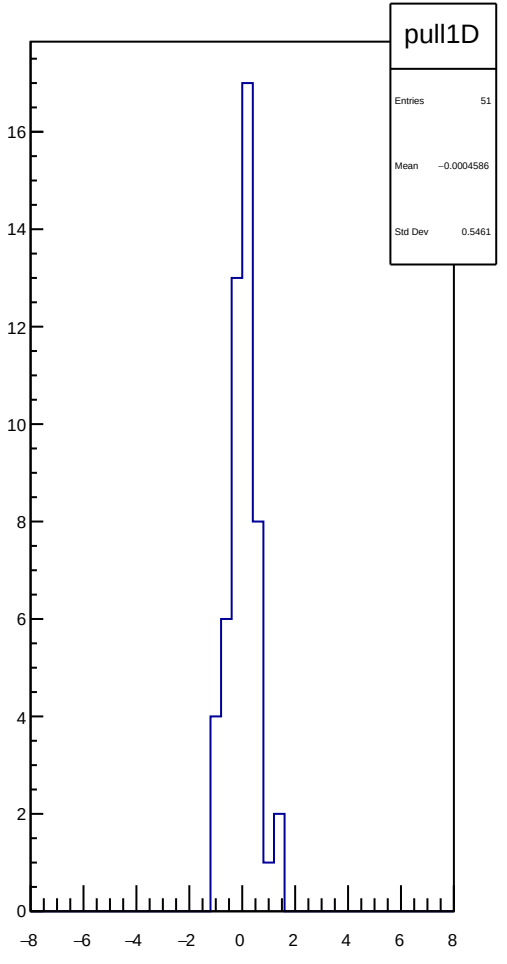

pull1D
Entries 51
Mean 0.00296
Std Dev 0.4658

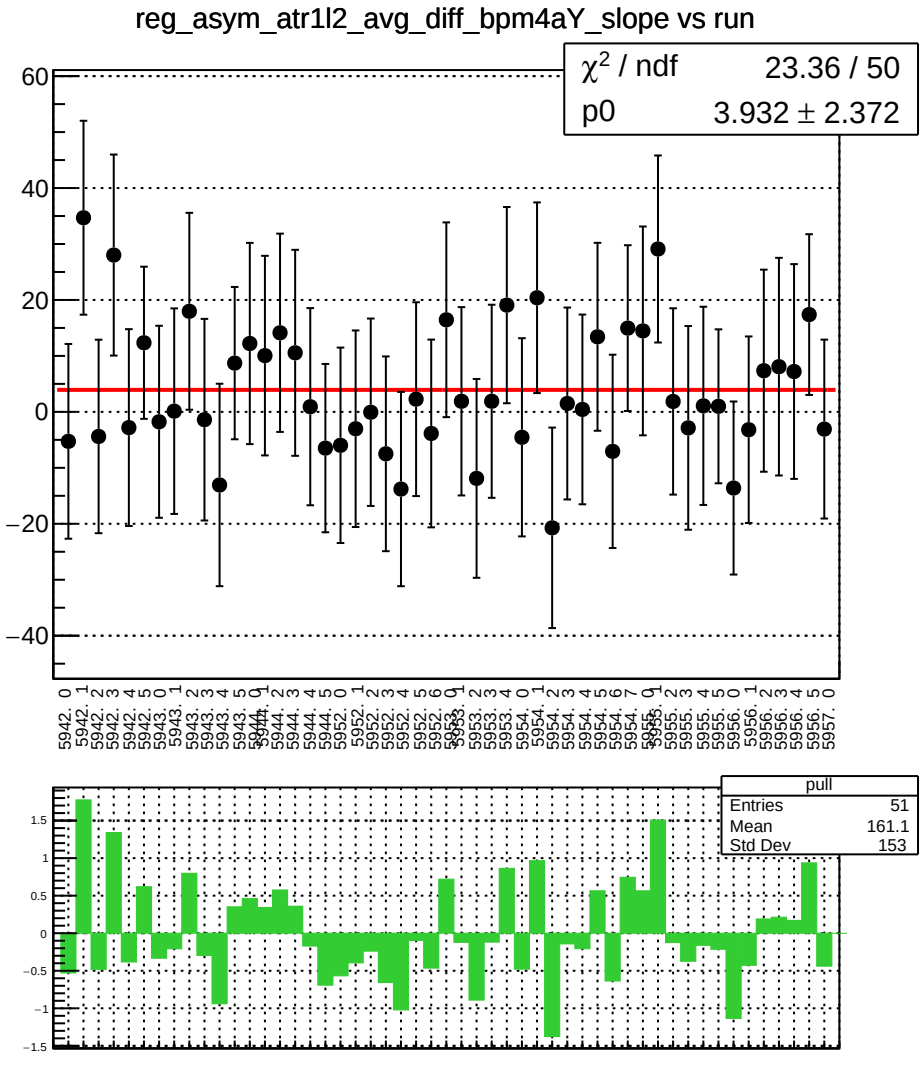

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 13.46 / 50
p0 −96.87 ± 4.284
pull
Entries 51
Mean 226.2
Std Dev 196.9

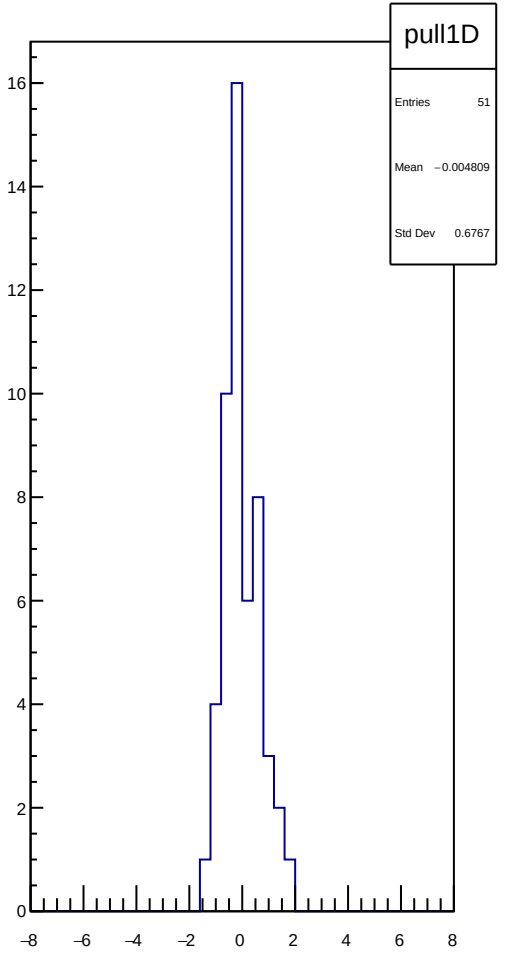

pull1D
Entries 51
Mean −0.004815
Std Dev 0.5137

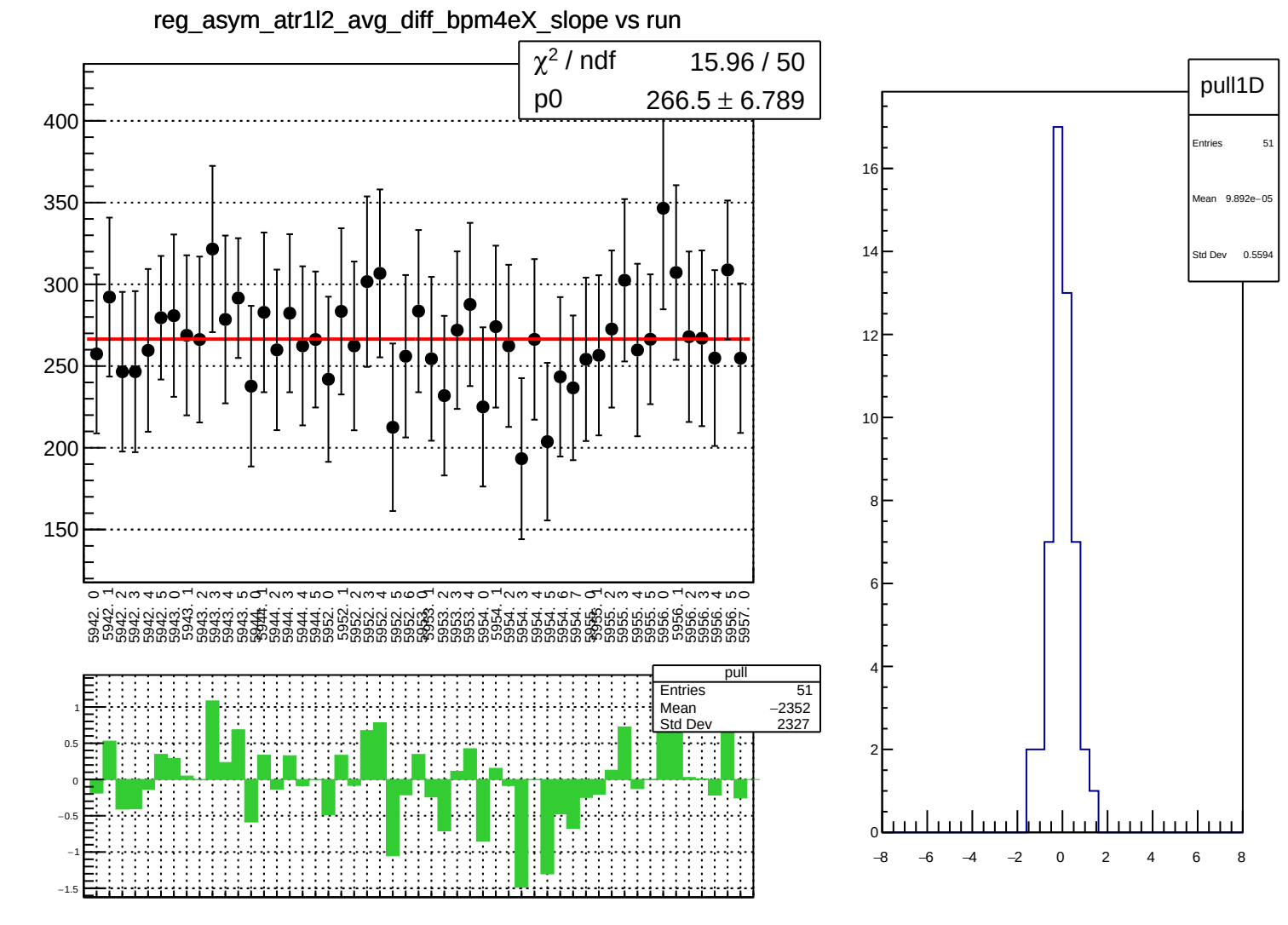

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 13.51 / 50
p0 111.4 ± 0.3904
pull
Entries 51
Mean 7.459
Std Dev 36.67
pull1D
Entries 51
Mean 0.009258
Std Dev 0.5147

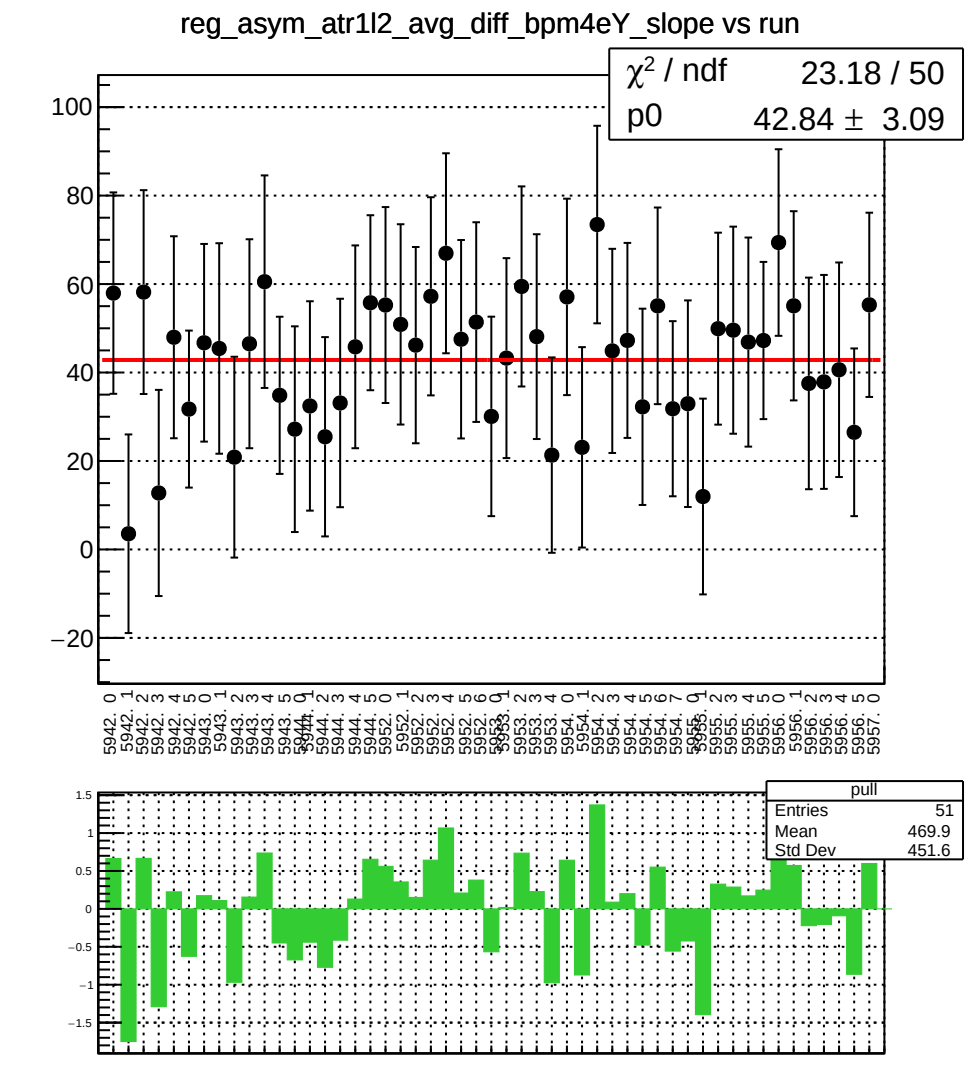

reg_asym_atr1l2_avg_diff_bpm4aX_slope vs run
χ² / ndf 15.21 / 50
p0 −295.6 ± 6.397
pull
Entries 51
Mean 82.53
Std Dev 208.9

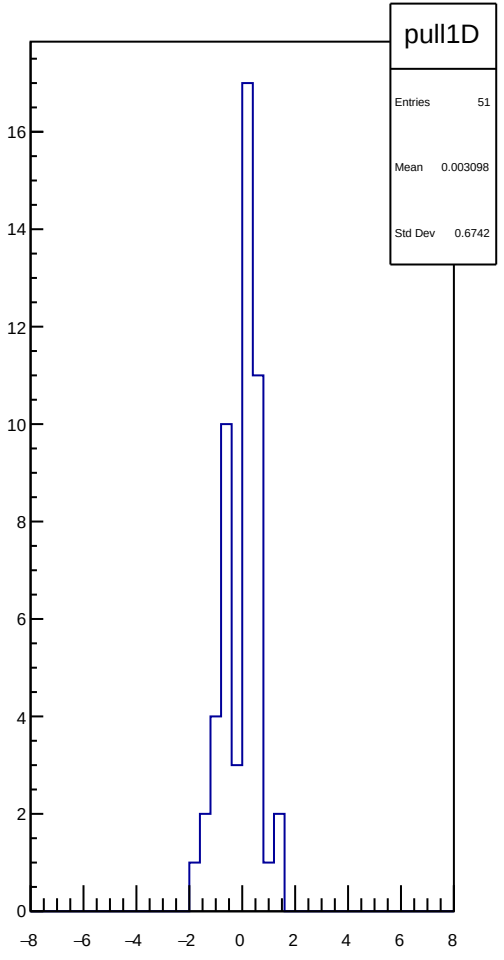

pull1D
Entries 51
Mean −0.0004586
Std Dev 0.5461

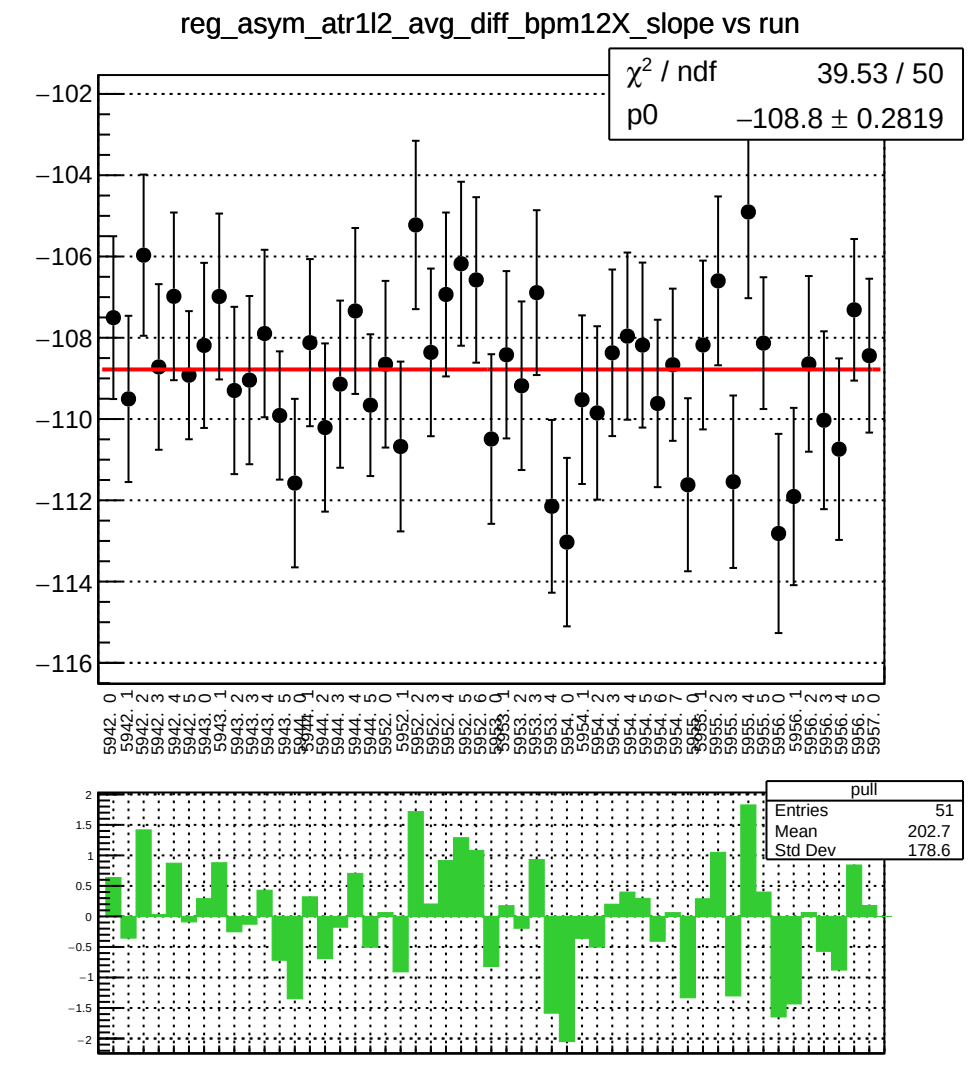

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 23.36 / 50
p0 3.932 ± 2.372
pull
Entries 51
Mean 161.1
Std Dev 153

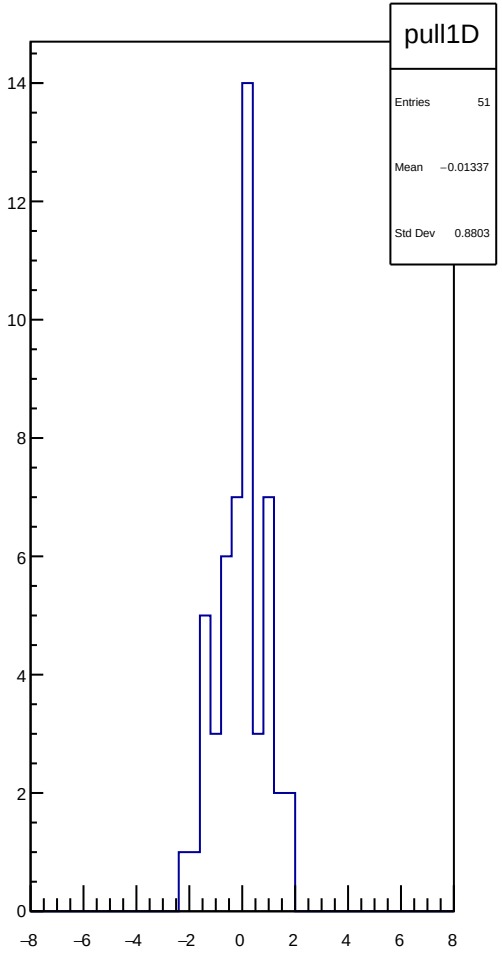

pull1D
Entries 51
Mean −0.004809
Std Dev 0.6767

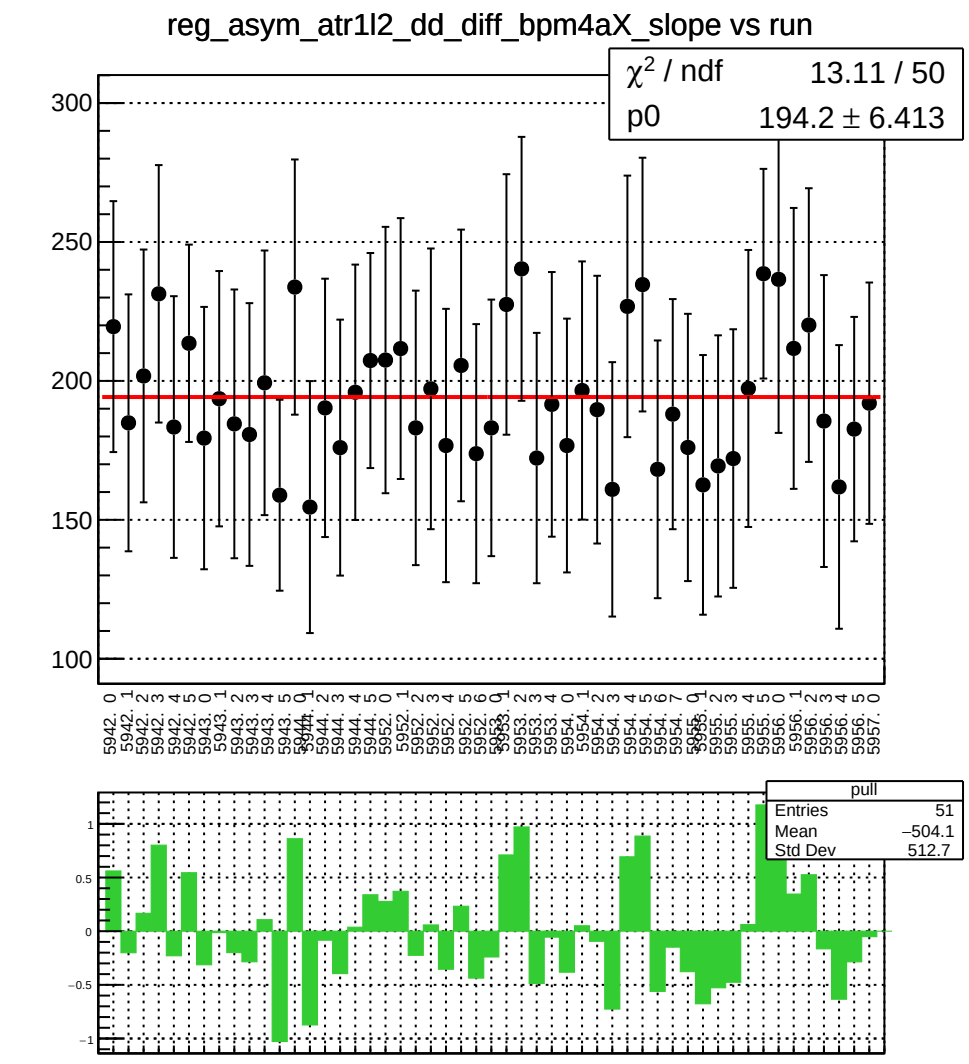

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 15.96 / 50
p0 266.5 ± 6.789
pull
Entries 51
Mean −2352
Std Dev 2327
pull1D
Entries 51
Mean 9.892e−05
Std Dev 0.5594

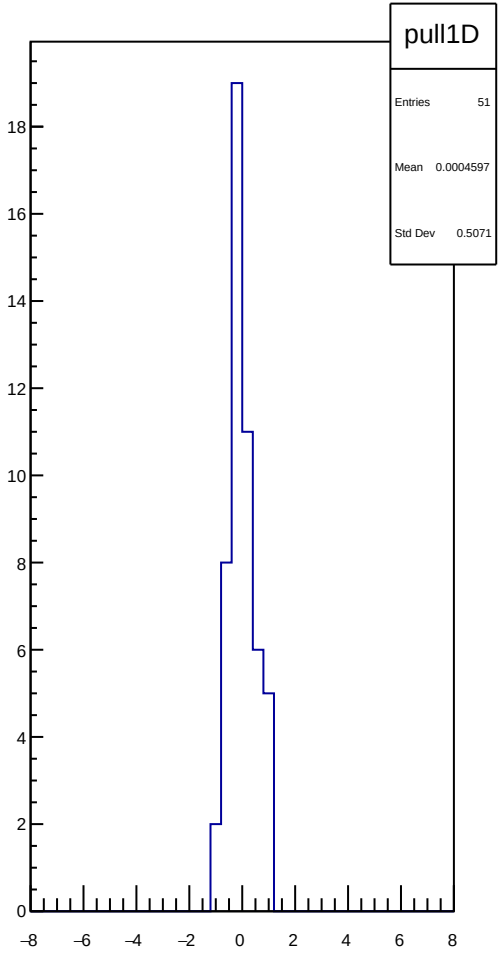

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 23.18 / 50
p0 42.84 ± 3.09
pull
Entries 51
Mean 469.9
Std Dev 451.6

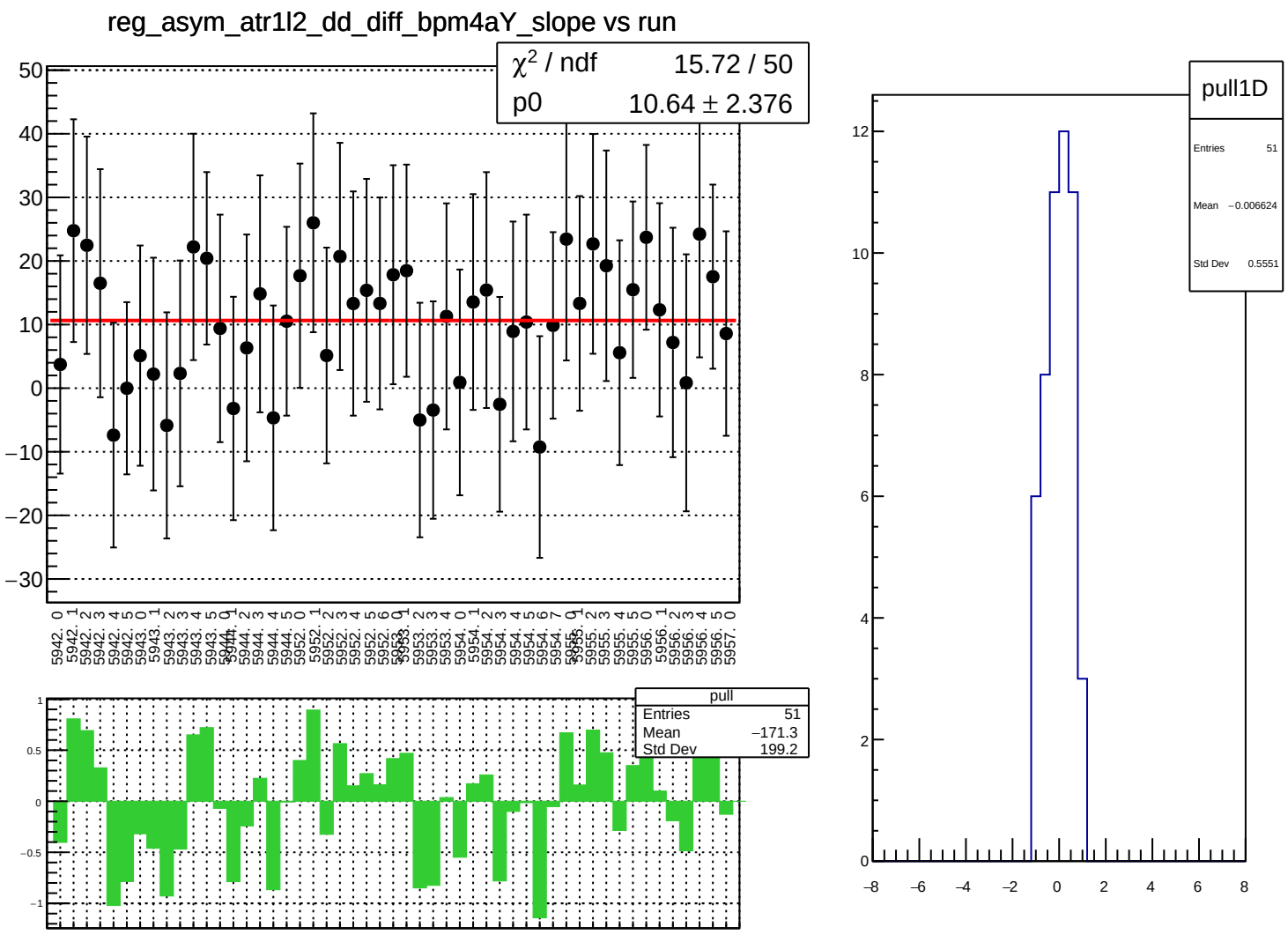

pull1D
Entries 51
Mean 0.003098
Std Dev 0.6742

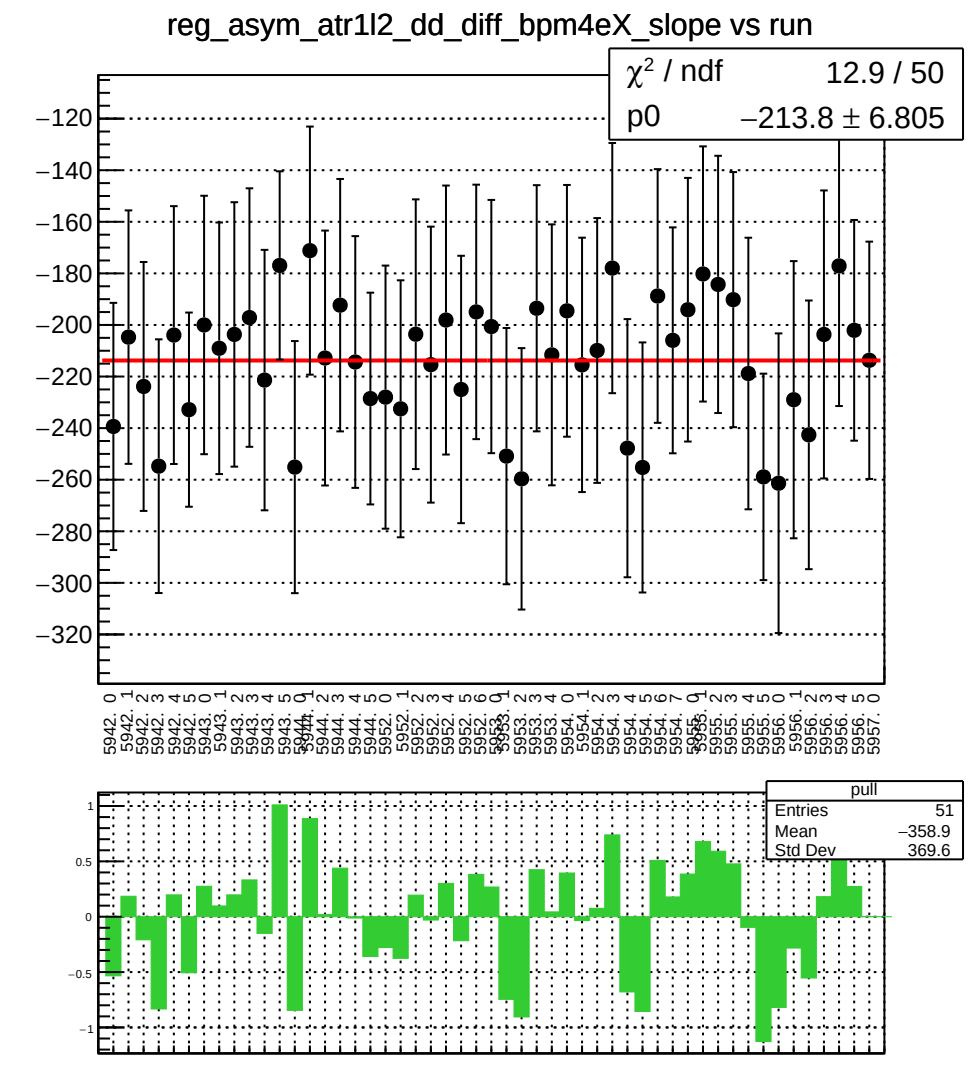

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 39.53 / 50
p0 −108.8 ± 0.2819
pull
Entries 51
Mean 202.7
Std Dev 178.6

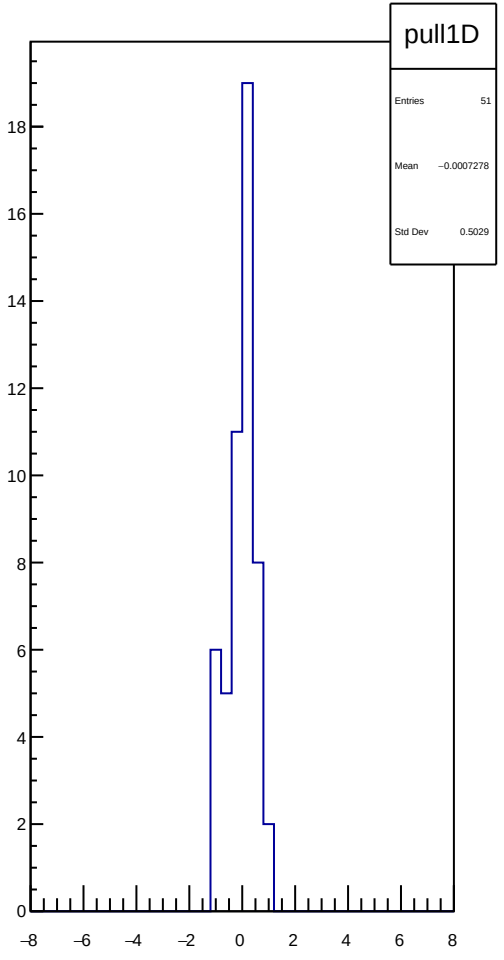

pull1D
Entries 51
Mean −0.01337
Std Dev 0.8803

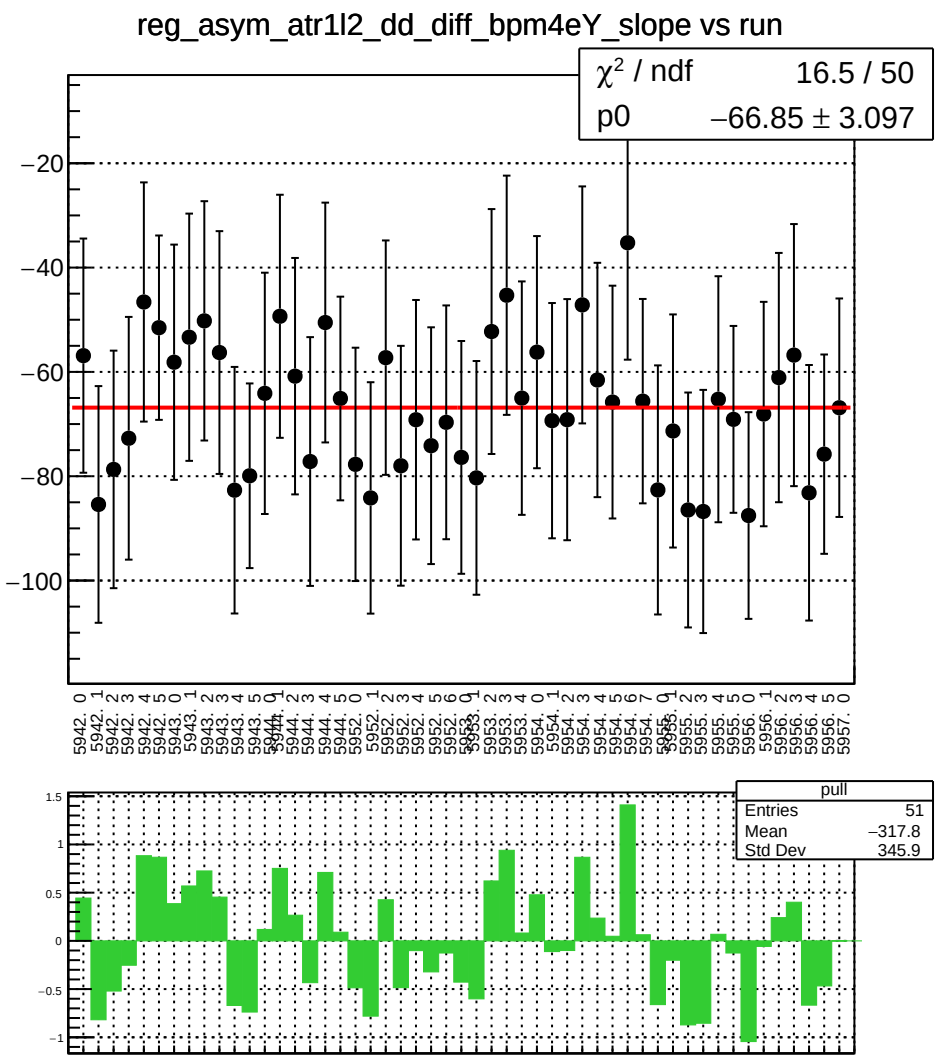

reg_asym_atr1l2_dd_diff_bpm4aX_slope vs run
χ² / ndf 13.11 / 50
p0 194.2 ± 6.413
300
250
200
150
100
pull
Entries 51
Mean −504.1
Std Dev 512.7
1
0.5
0
−0.5
−1

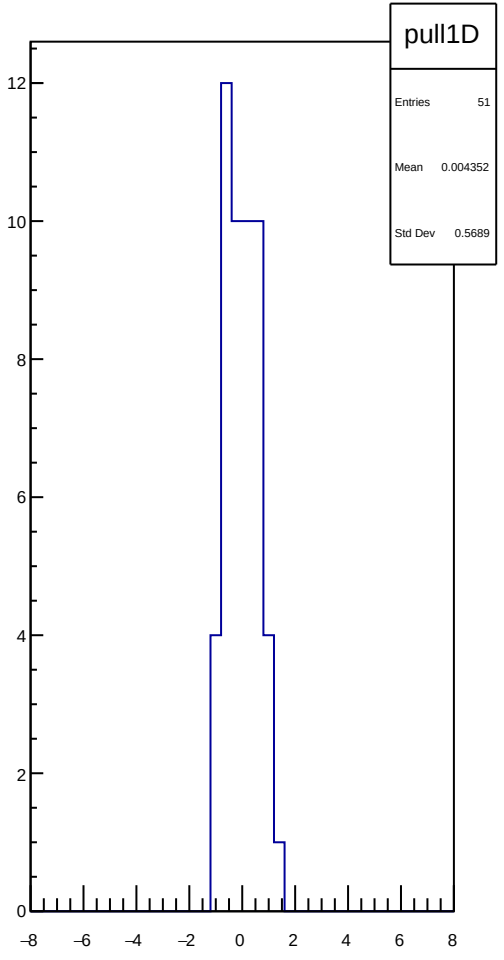

pull1D
Entries 51
Mean 0.0004597
Std Dev 0.5071
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

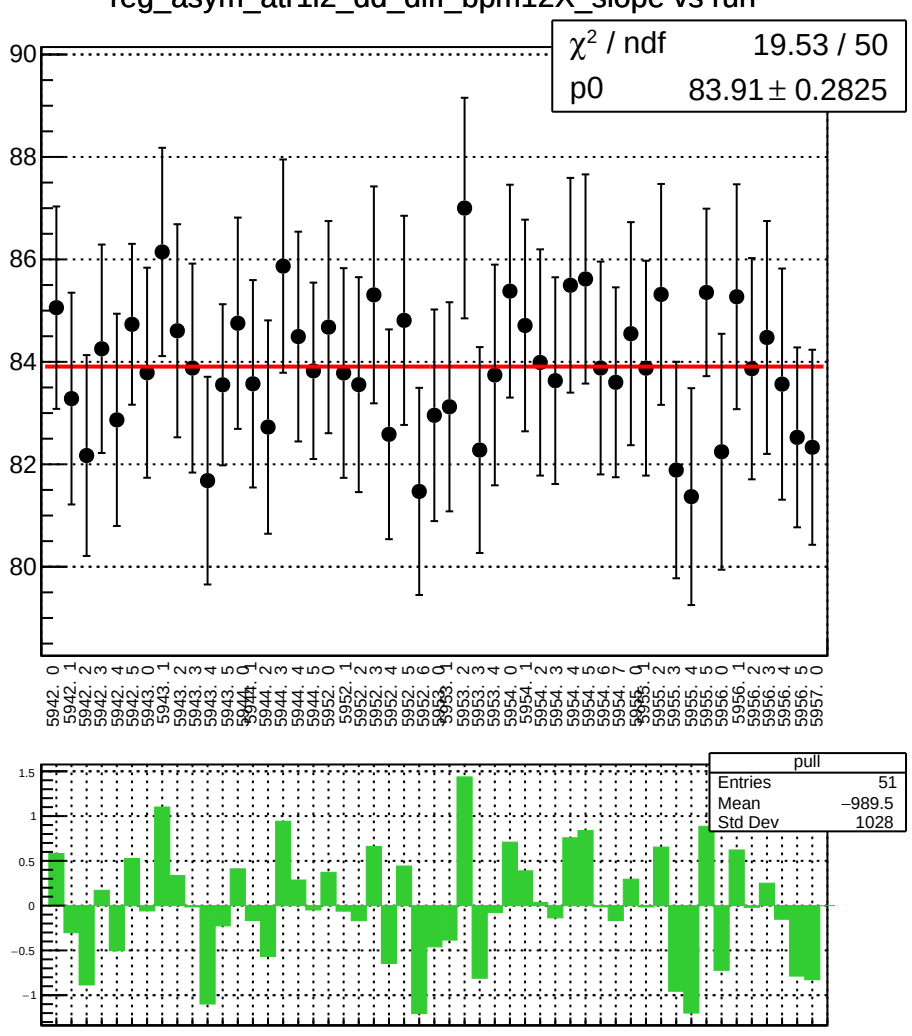

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.72 / 50
p0 10.64 ± 2.376
pull
Entries 51
Mean −171.3
Std Dev 199.2
pull1D
Entries 51
Mean −0.006624
Std Dev 0.5551

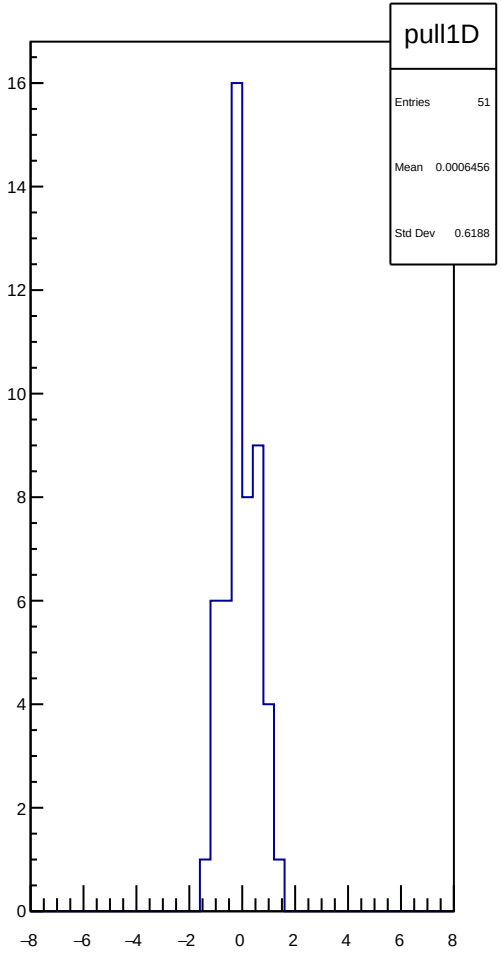

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 12.9 / 50
p0 −213.8 ± 6.805
pull
Entries 51
Mean −358.9
Std Dev 369.6

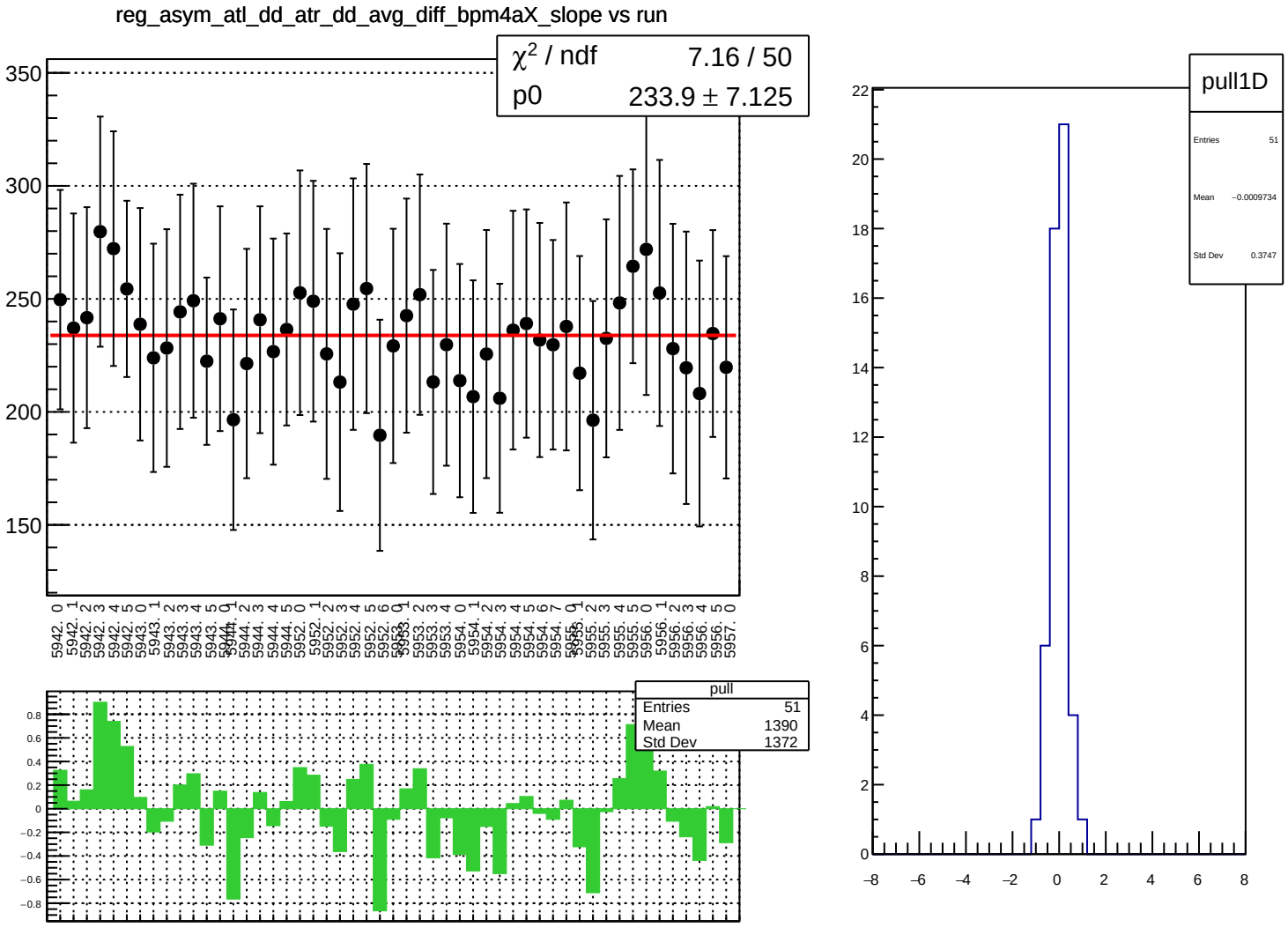

pull1D
Entries 51
Mean −0.0007278
Std Dev 0.5029

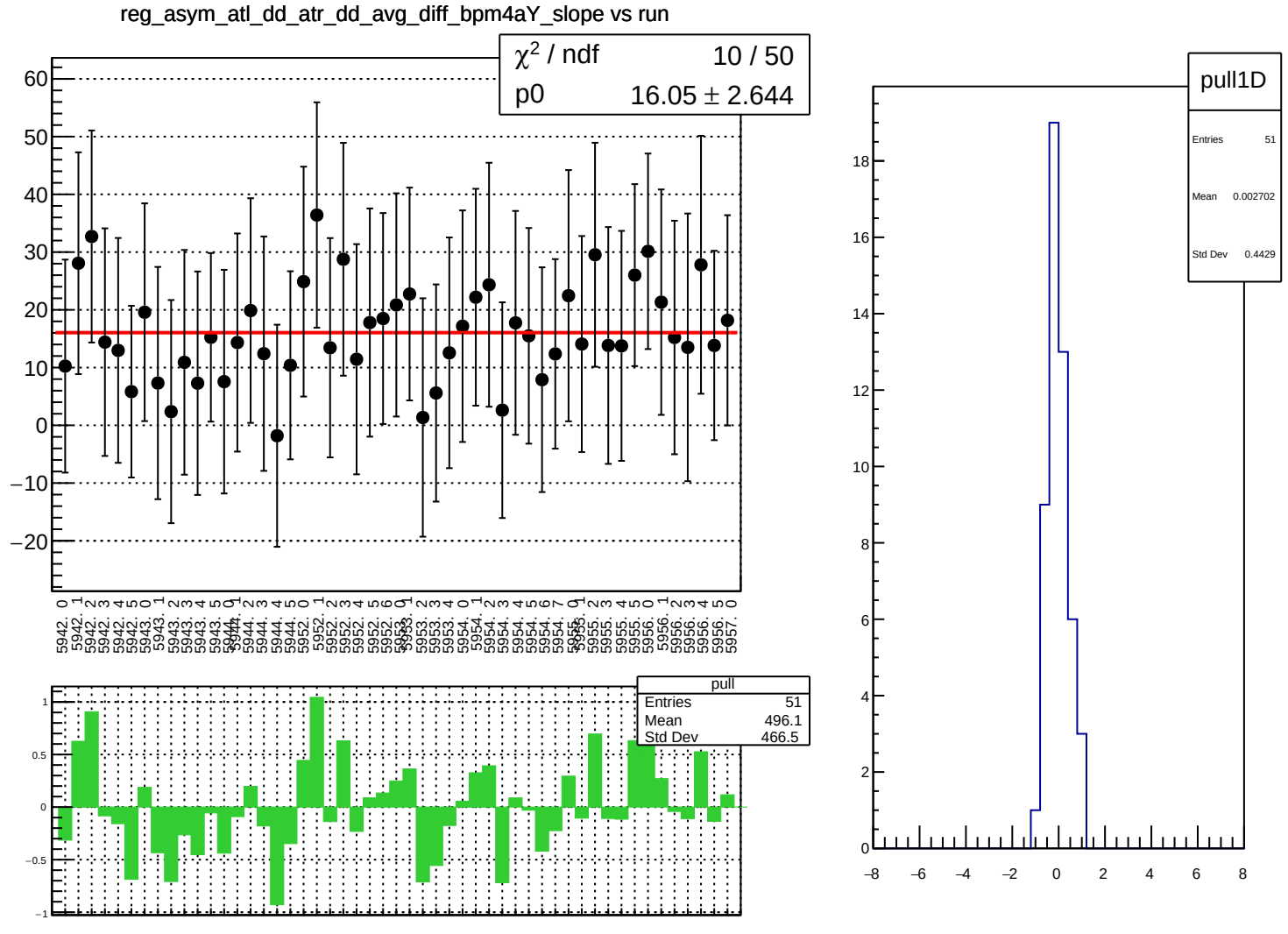

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.5 / 50
p0 −66.85 ± 3.097
pull
Entries 51
Mean −317.8
Std Dev 345.9

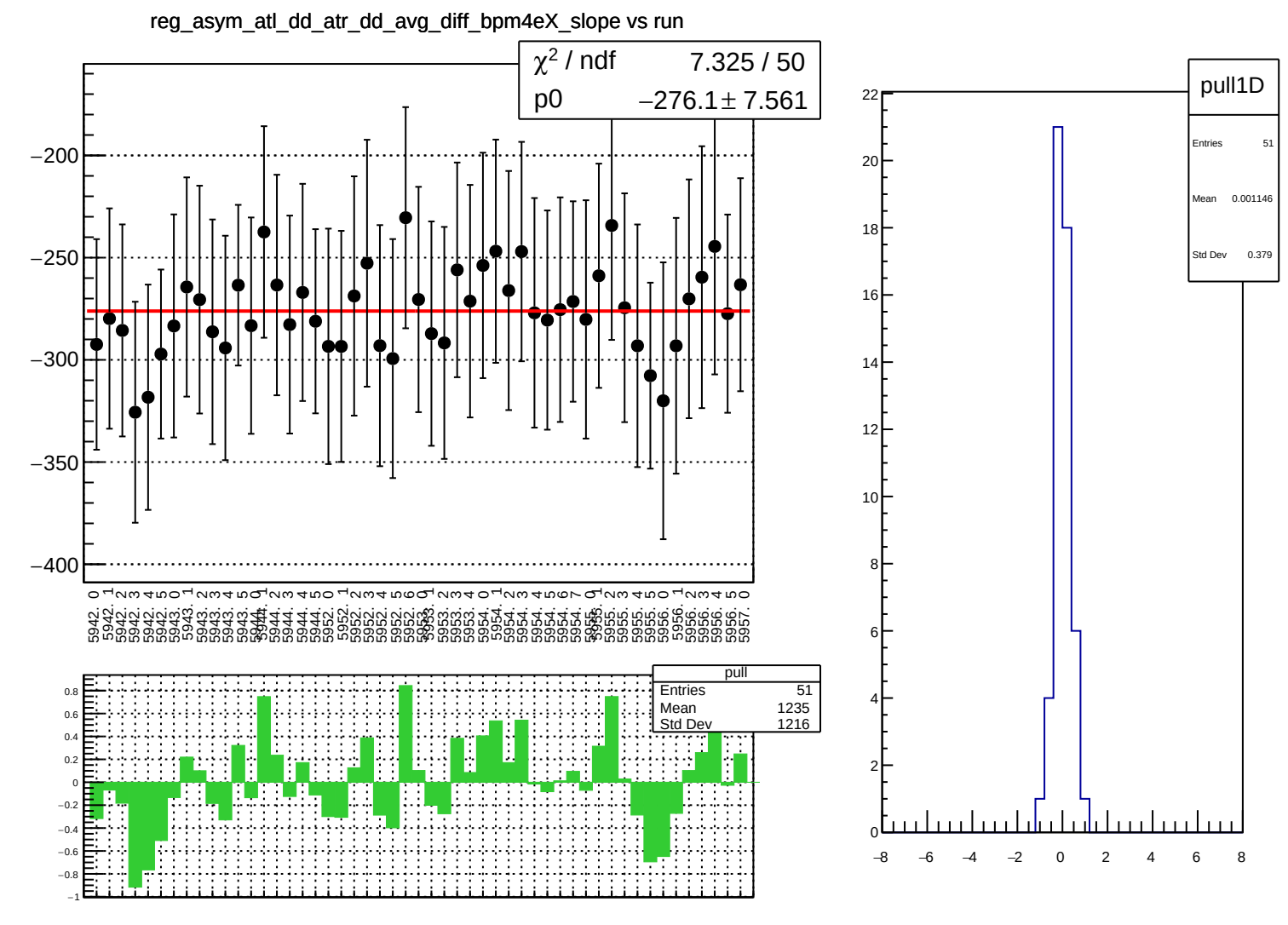

pull1D
Entries 51
Mean 0.004352
Std Dev 0.5689

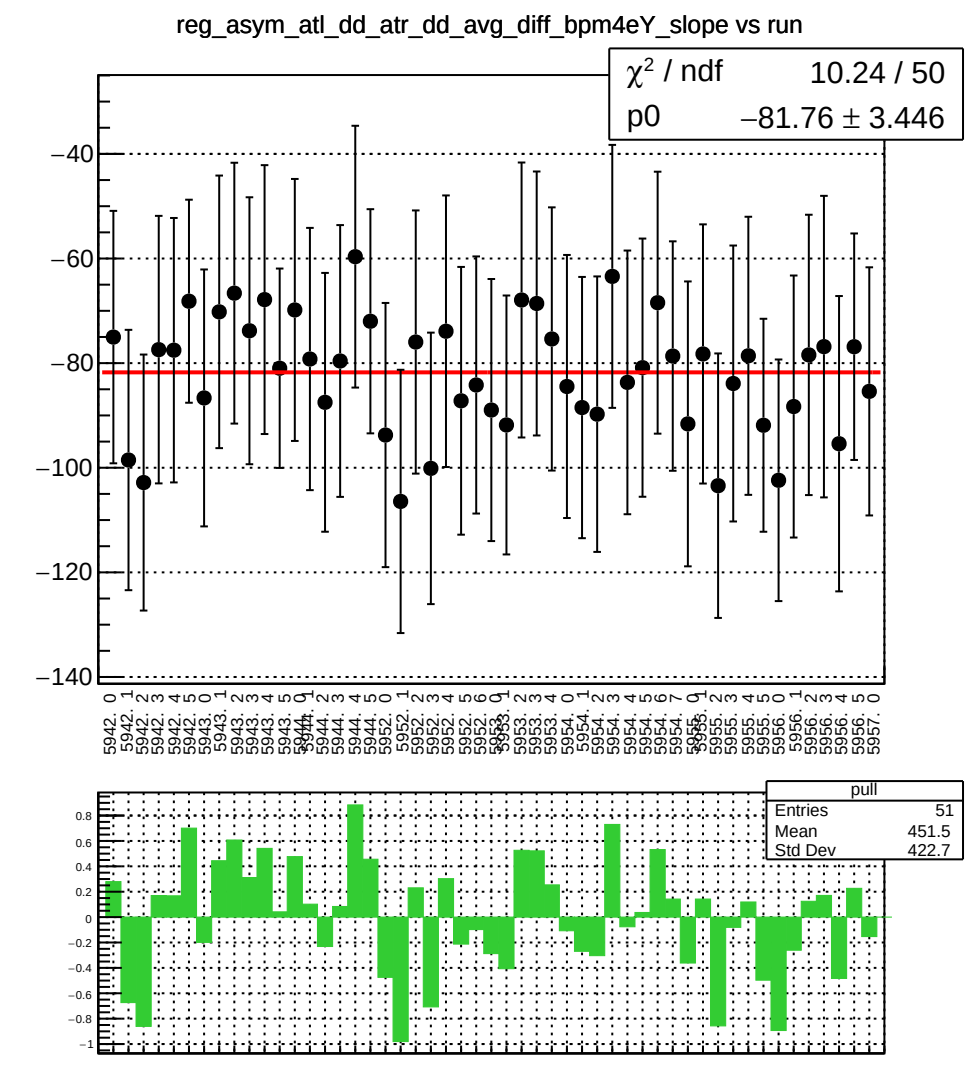

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 19.53 / 50
p0 83.91 ± 0.2825
pull
Entries 51
Mean −989.5
Std Dev 1028

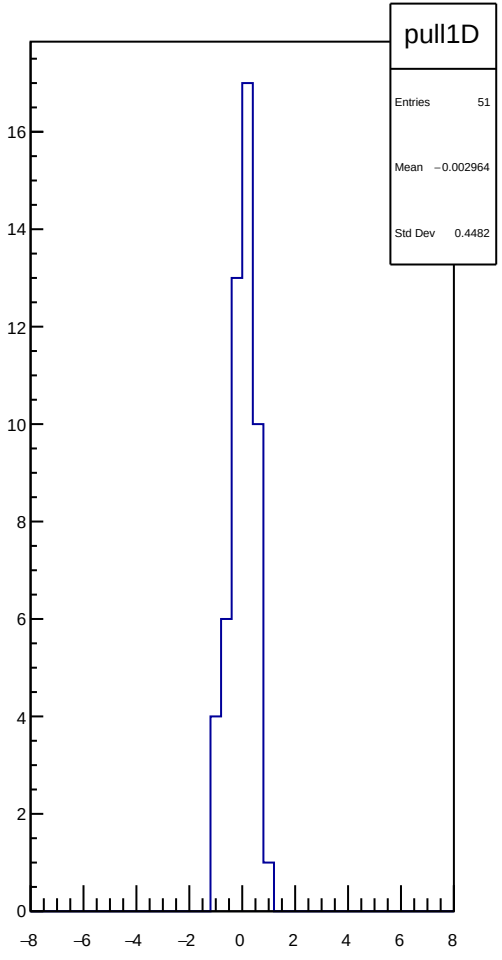

pull1D
Entries 51
Mean 0.0006456
Std Dev 0.6188

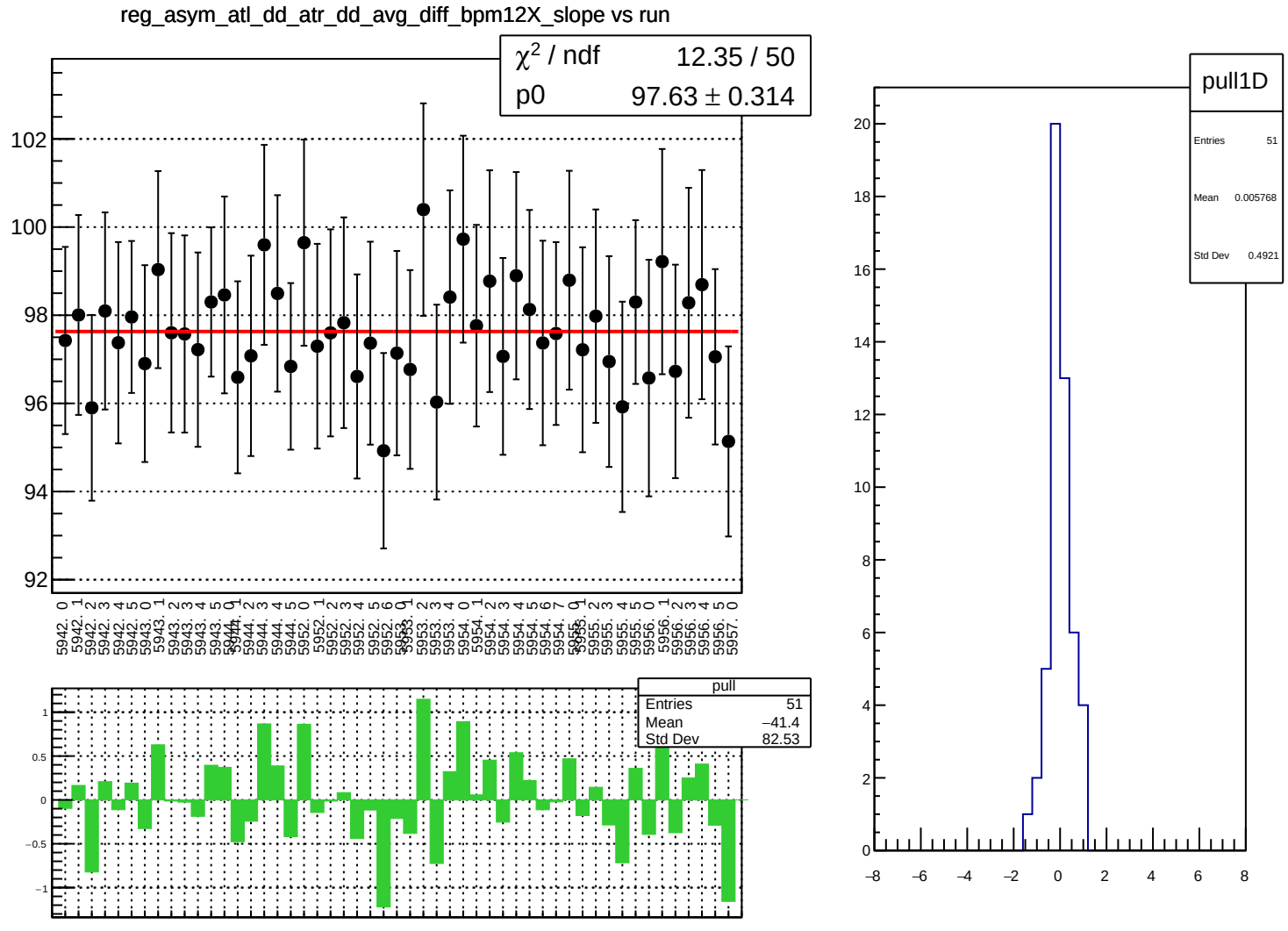

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aX_slope vs run
χ² / ndf 7.16 / 50
p0 233.9 ± 7.125
pull
Entries 51
Mean 1390
Std Dev 1372
pull1D
Entries 51
Mean −0.0009734
Std Dev 0.3747

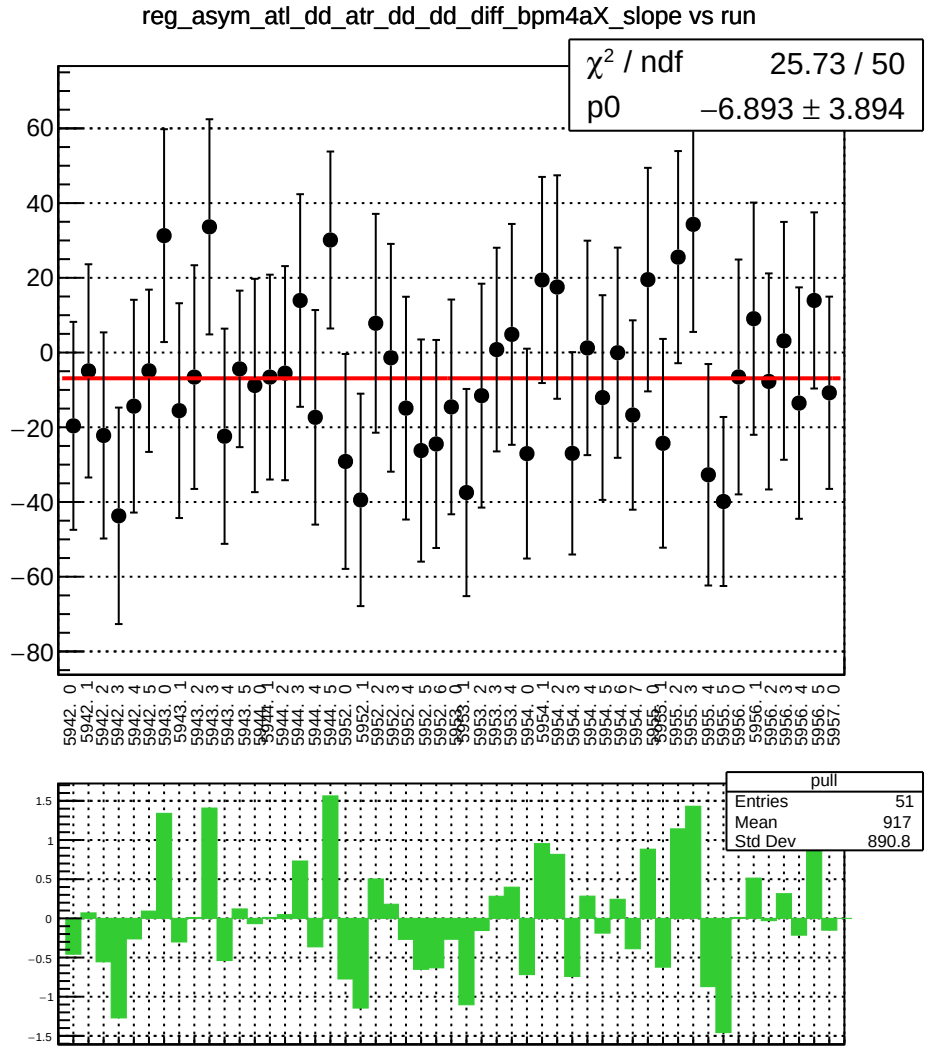

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 10 / 50
p0 16.05 ± 2.644
pull
Entries 51
Mean 496.1
Std Dev 466.5
pull1D
Entries 51
Mean 0.002702
Std Dev 0.4429

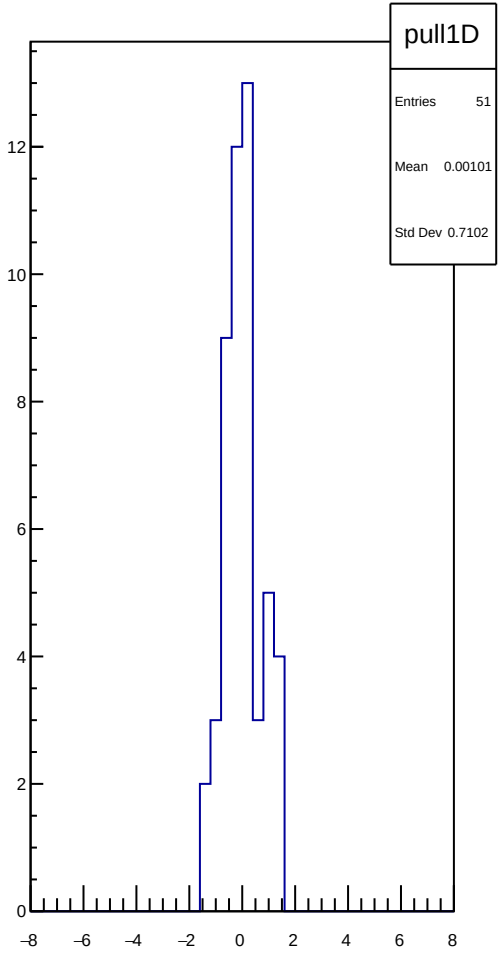

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 7.325 / 50
p0 −276.1 ± 7.561
pull
Entries 51
Mean 1235
Std Dev 1216
pull1D
Entries 51
Mean 0.001146
Std Dev 0.379

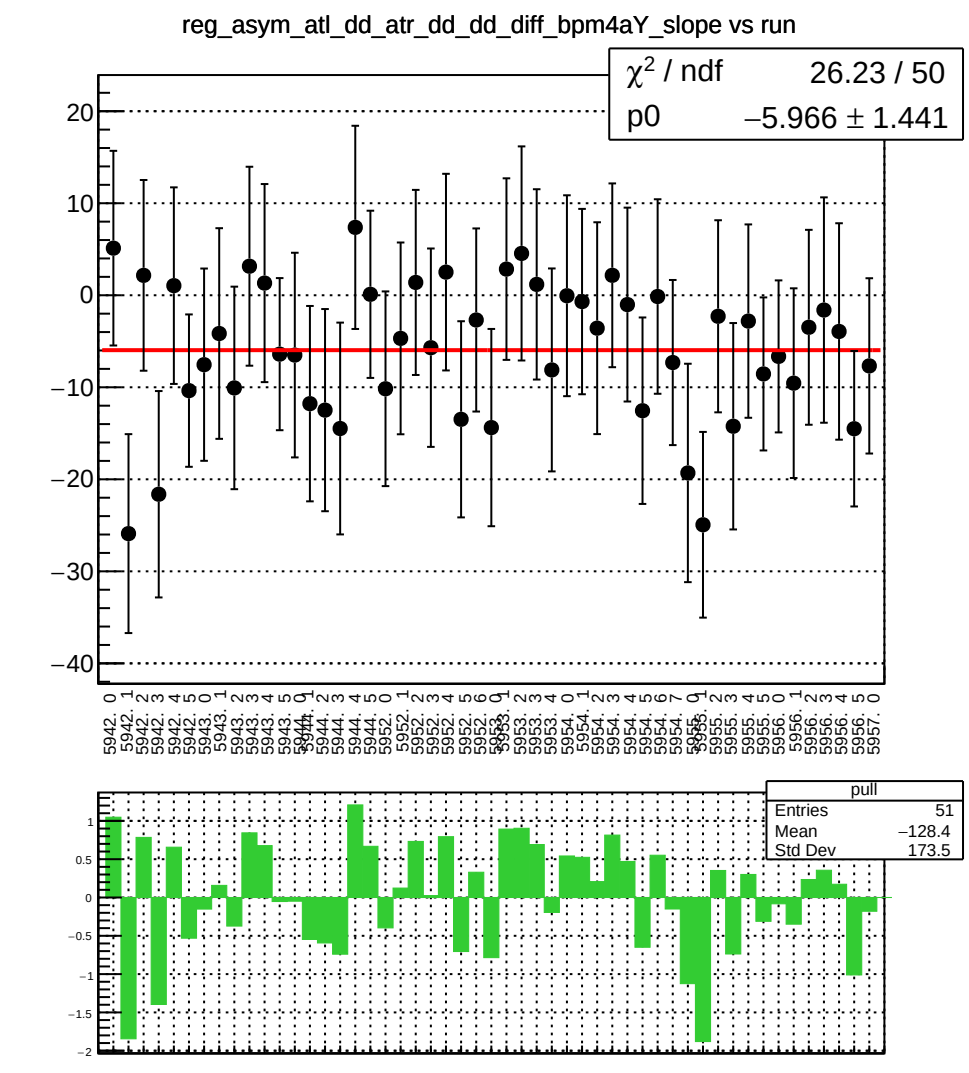

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.24 / 50
p0 −81.76 ± 3.446
pull
Entries 51
Mean 451.5
Std Dev 422.7

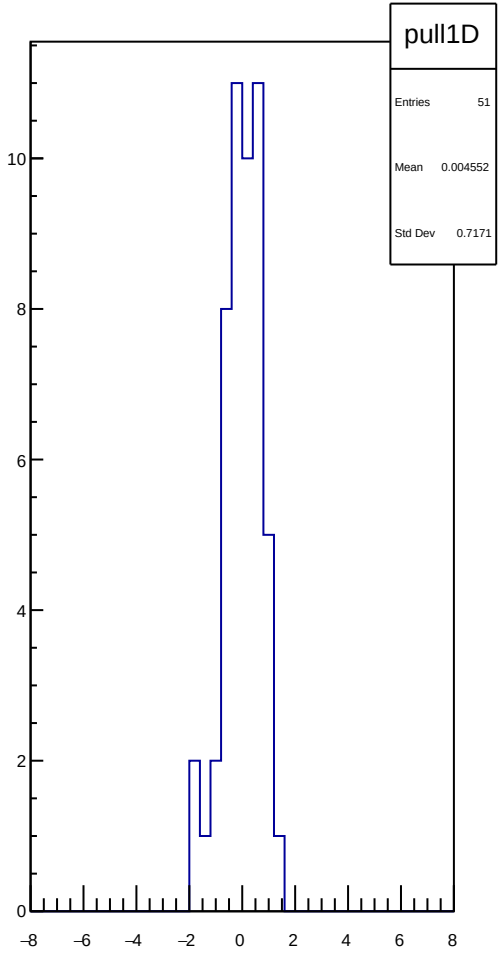

pull1D
Entries 51
Mean −0.002964
Std Dev 0.4482

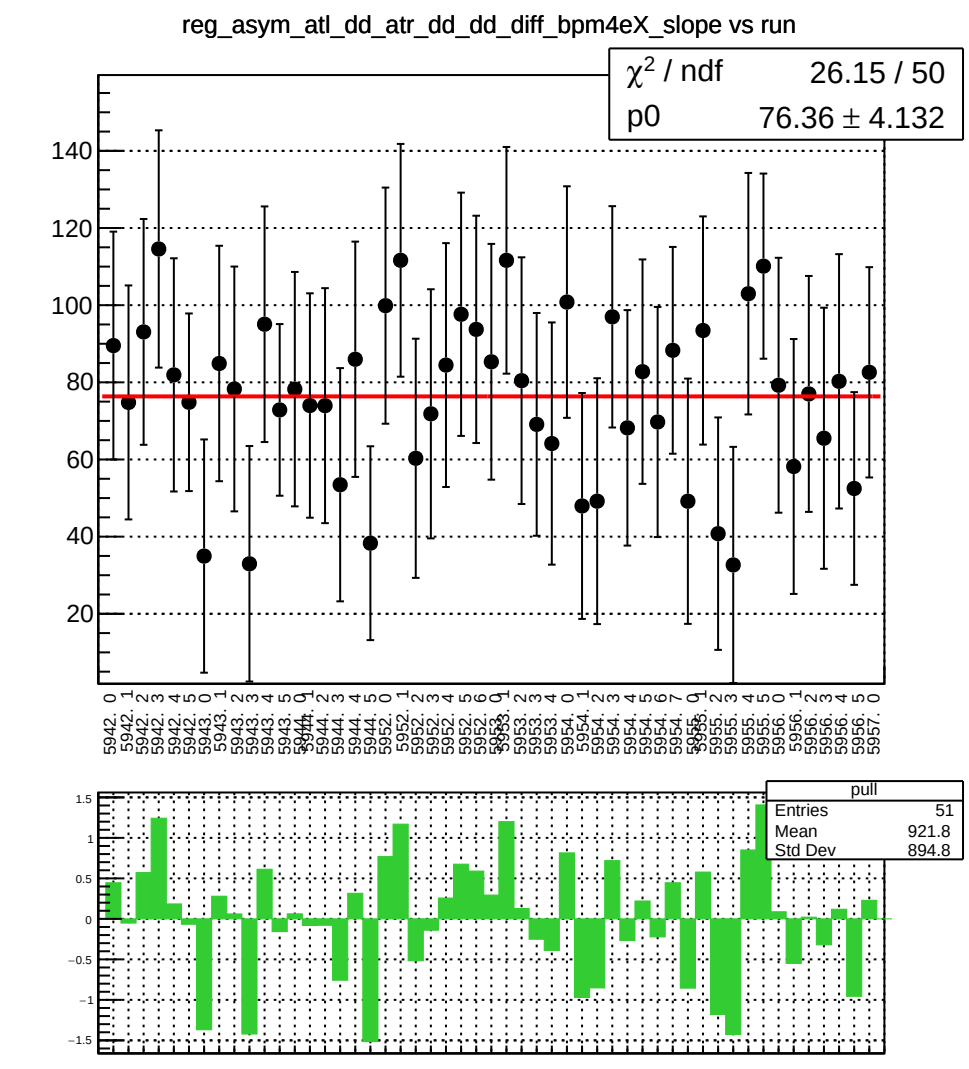

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 12.35 / 50
p0 97.63 ± 0.314
pull
Entries 51
Mean −41.4
Std Dev 82.53
pull1D
Entries 51
Mean 0.005768
Std Dev 0.4921

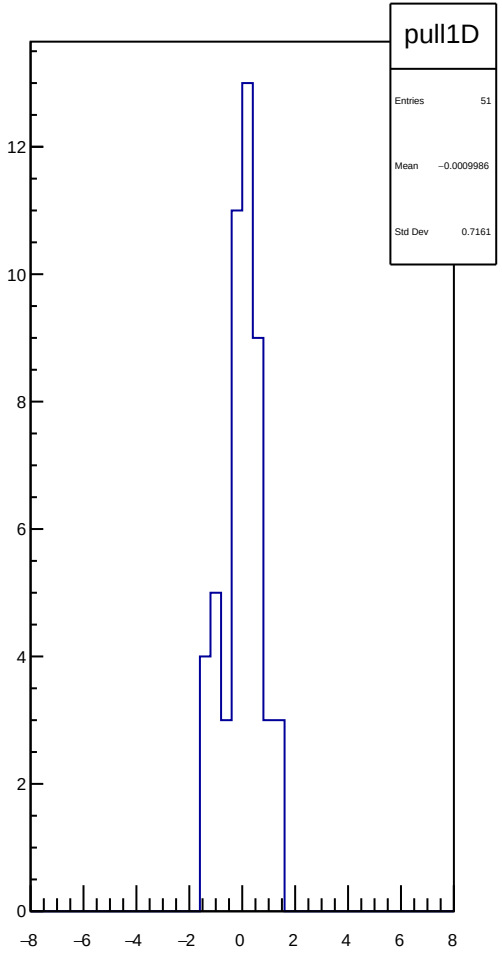

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aX_slope vs run
χ² / ndf 25.73 / 50
p0 −6.893 ± 3.894
pull
Entries 51
Mean 917
Std Dev 890.8

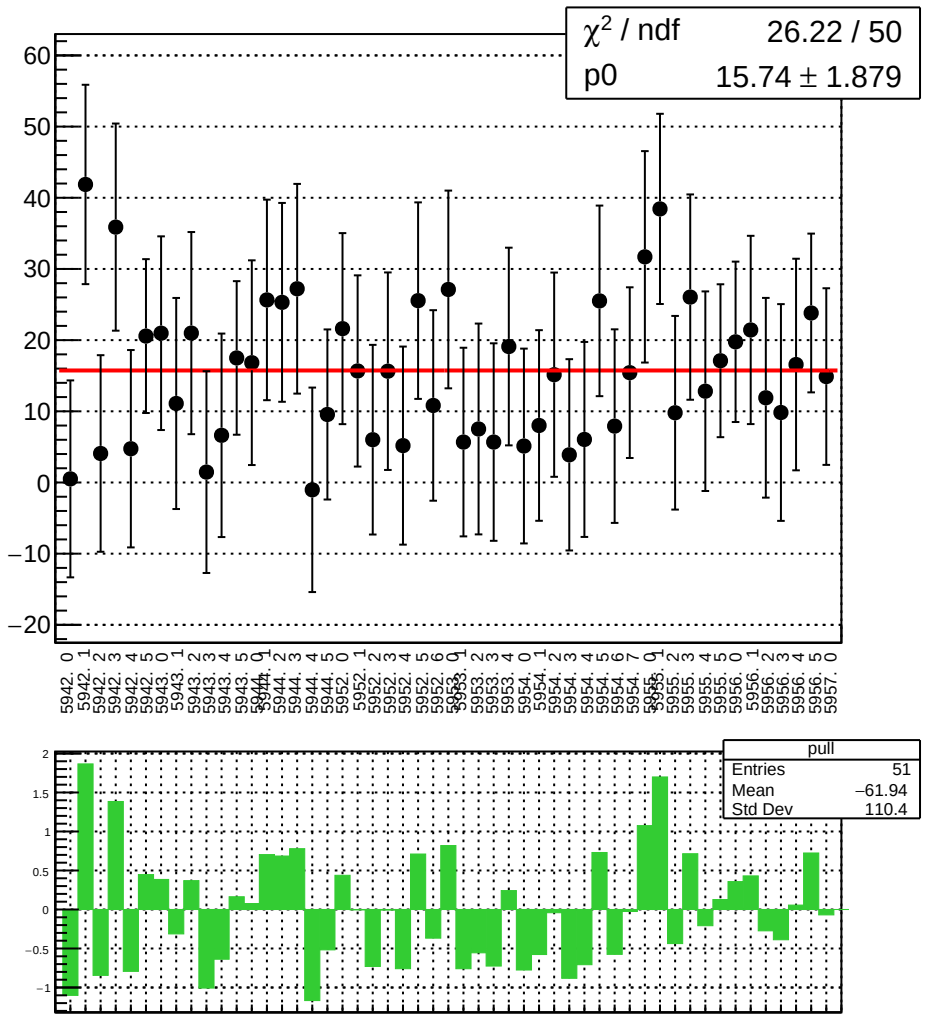

pull1D
Entries 51
Mean 0.00101
Std Dev 0.7102

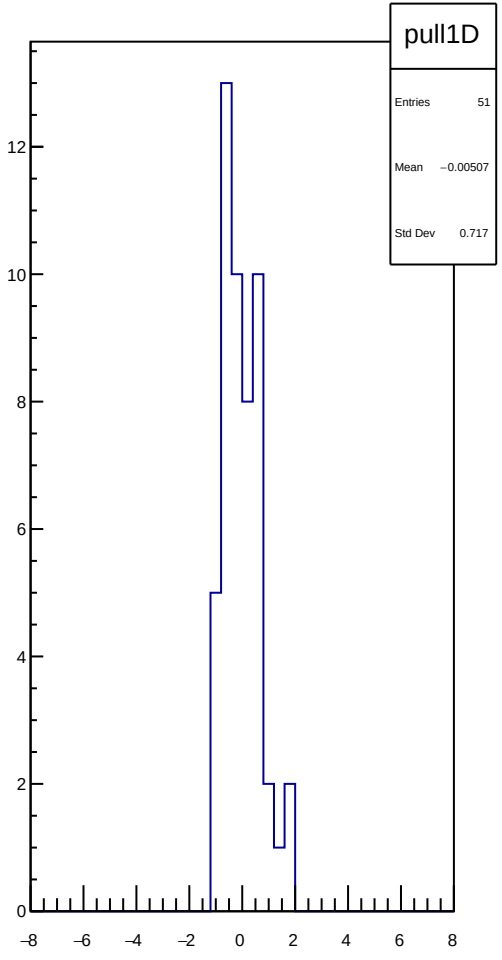

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 26.23 / 50
p0 −5.966 ± 1.441
pull
Entries 51
Mean −128.4
Std Dev 173.5

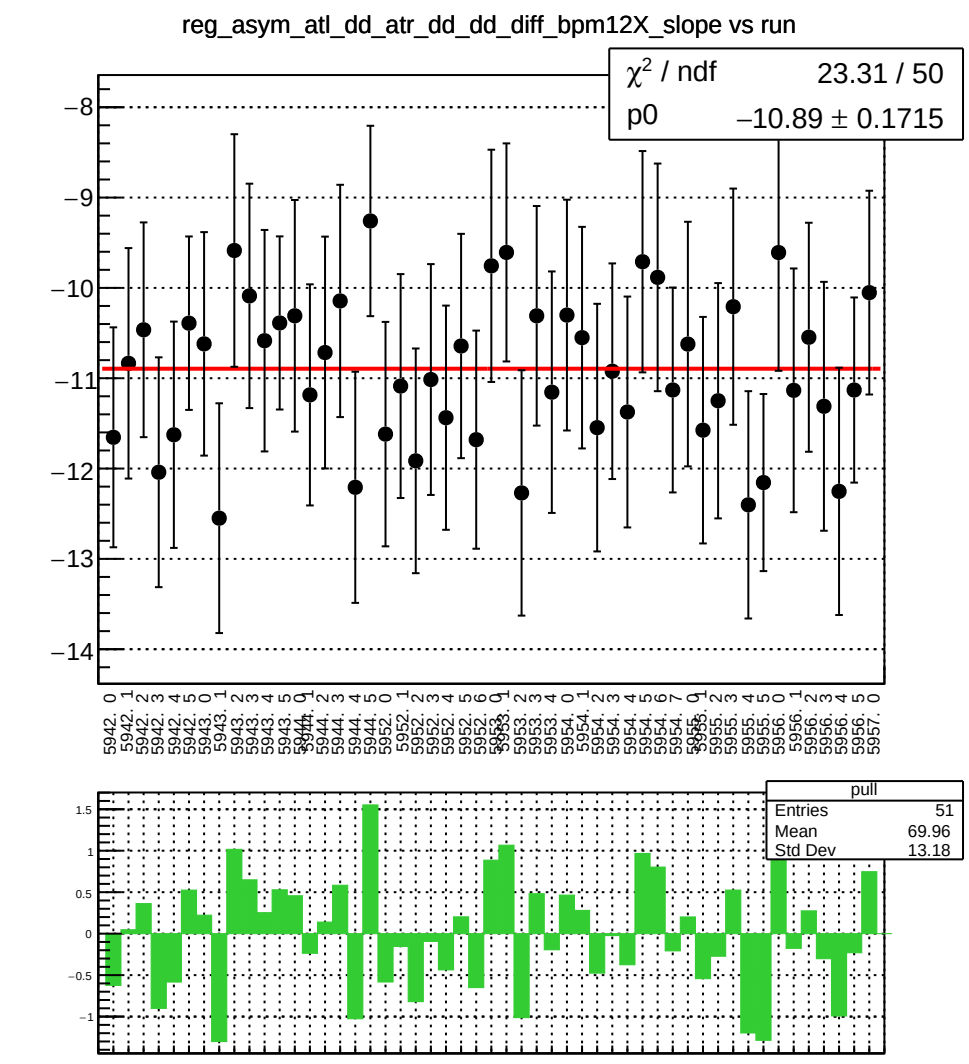

pull1D
Entries 51
Mean 0.004552
Std Dev 0.7171

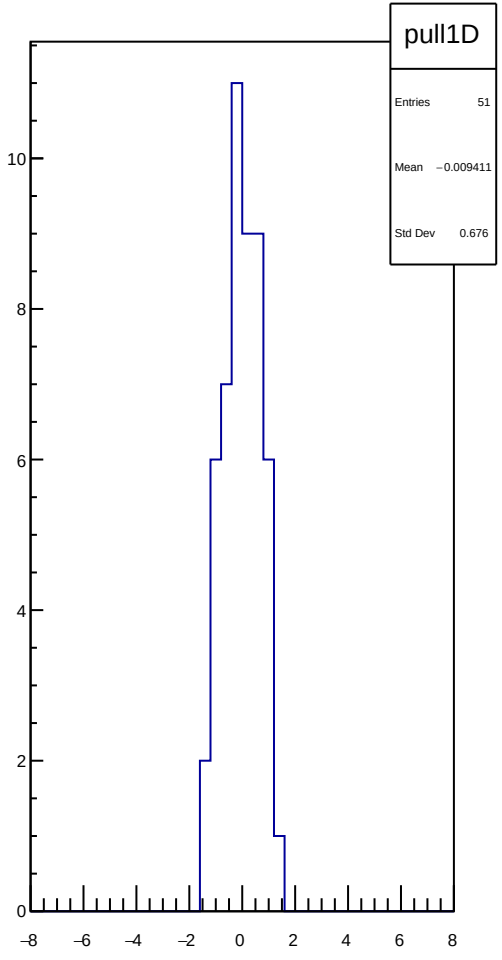

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 26.15 / 50
p0 76.36 ± 4.132
pull
Entries 51
Mean 921.8
Std Dev 894.8

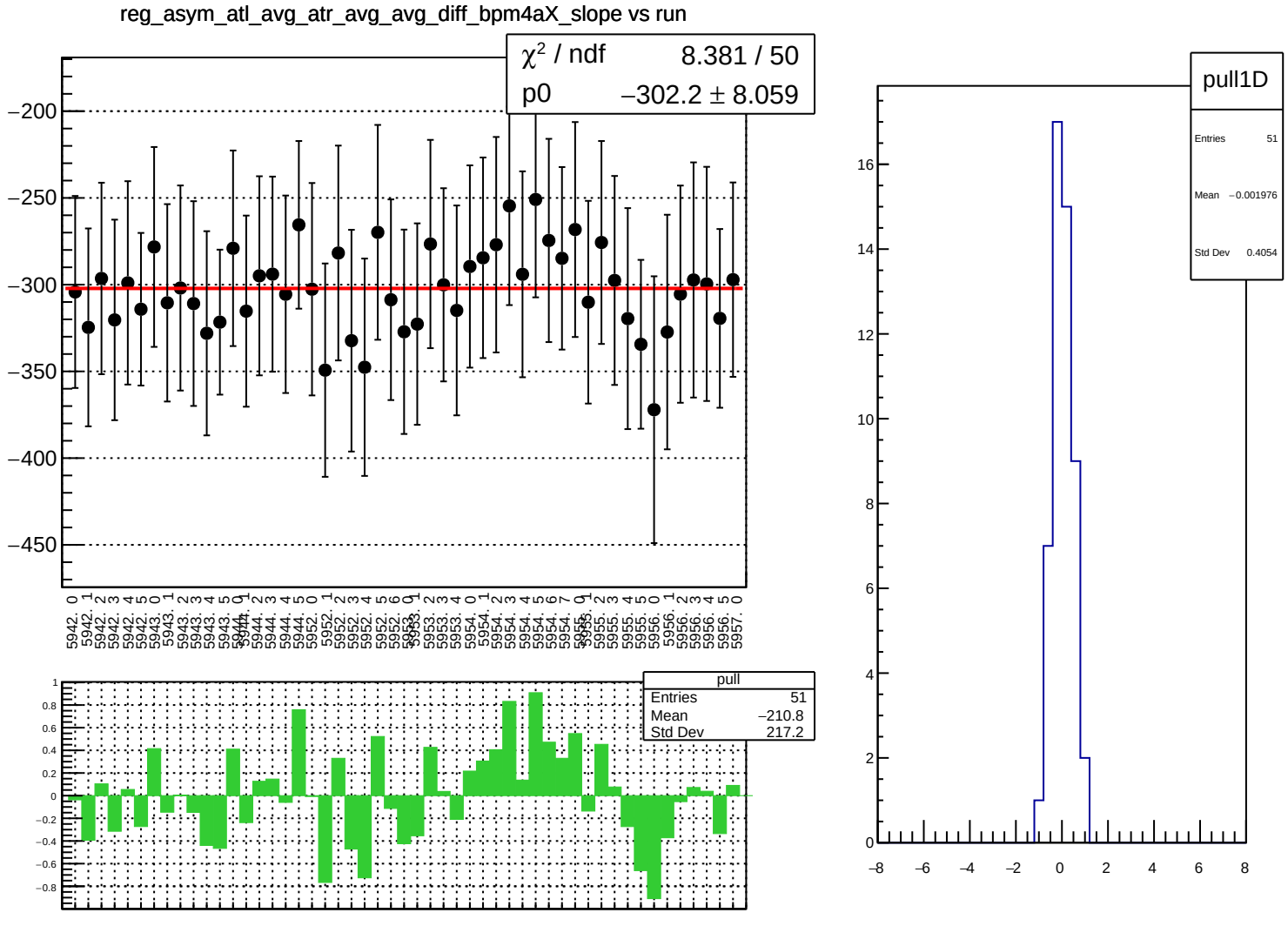

pull1D
Entries 51
Mean −0.0009986
Std Dev 0.7161

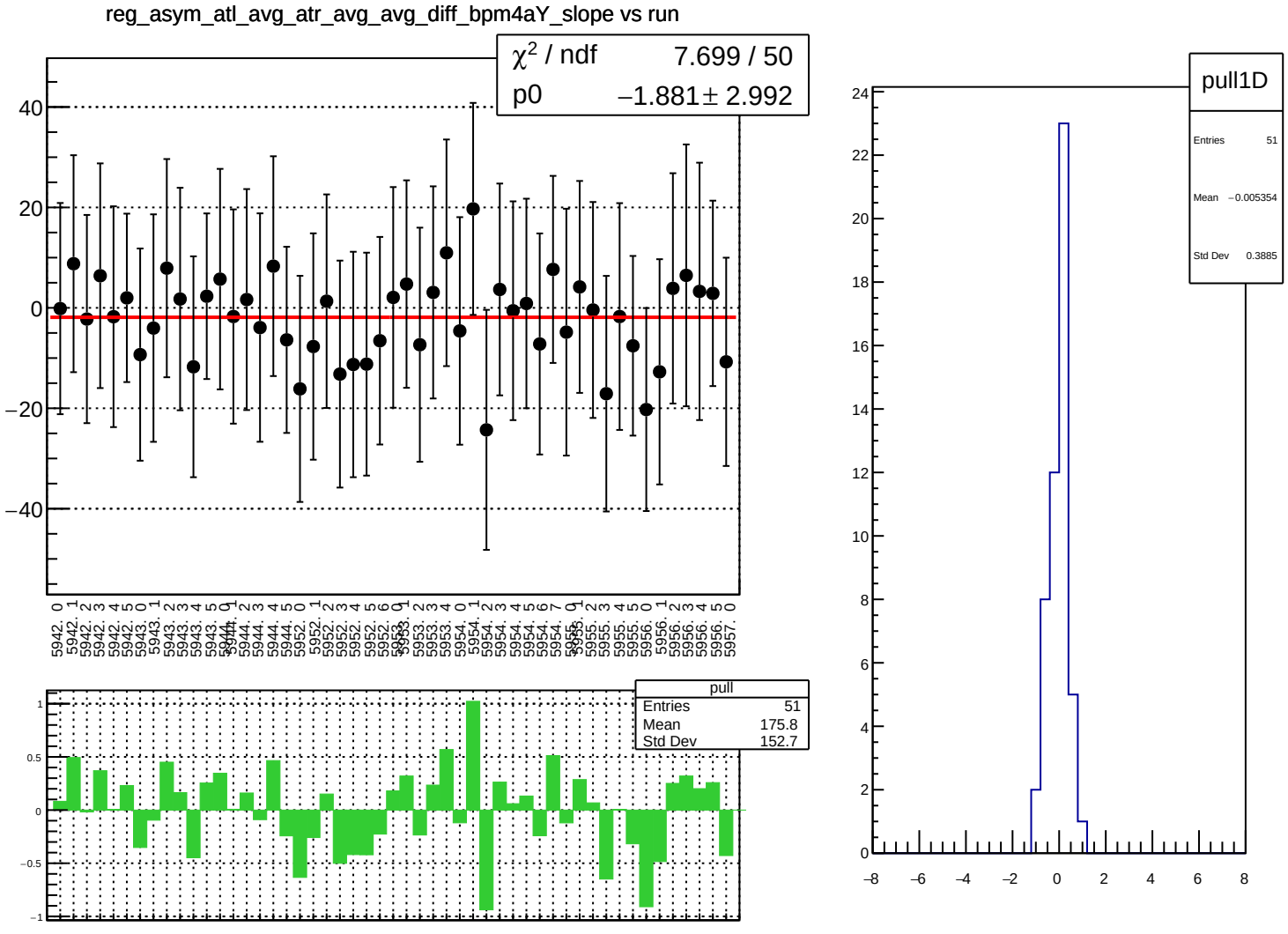

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 26.22 / 50
p0 15.74 ± 1.879
pull
Entries 51
Mean −61.94
Std Dev 110.4

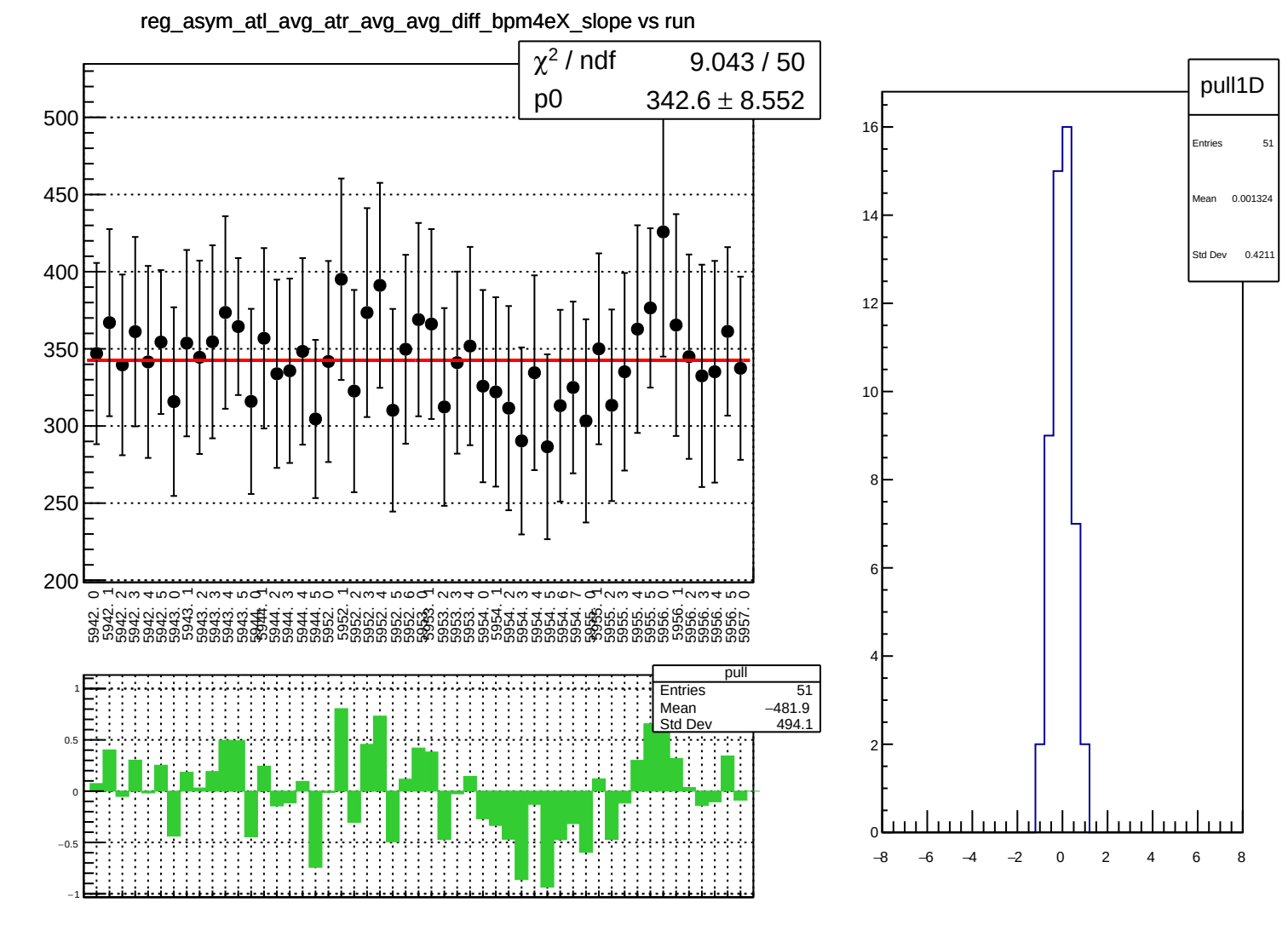

pull1D
Entries 51
Mean −0.00507
Std Dev 0.717

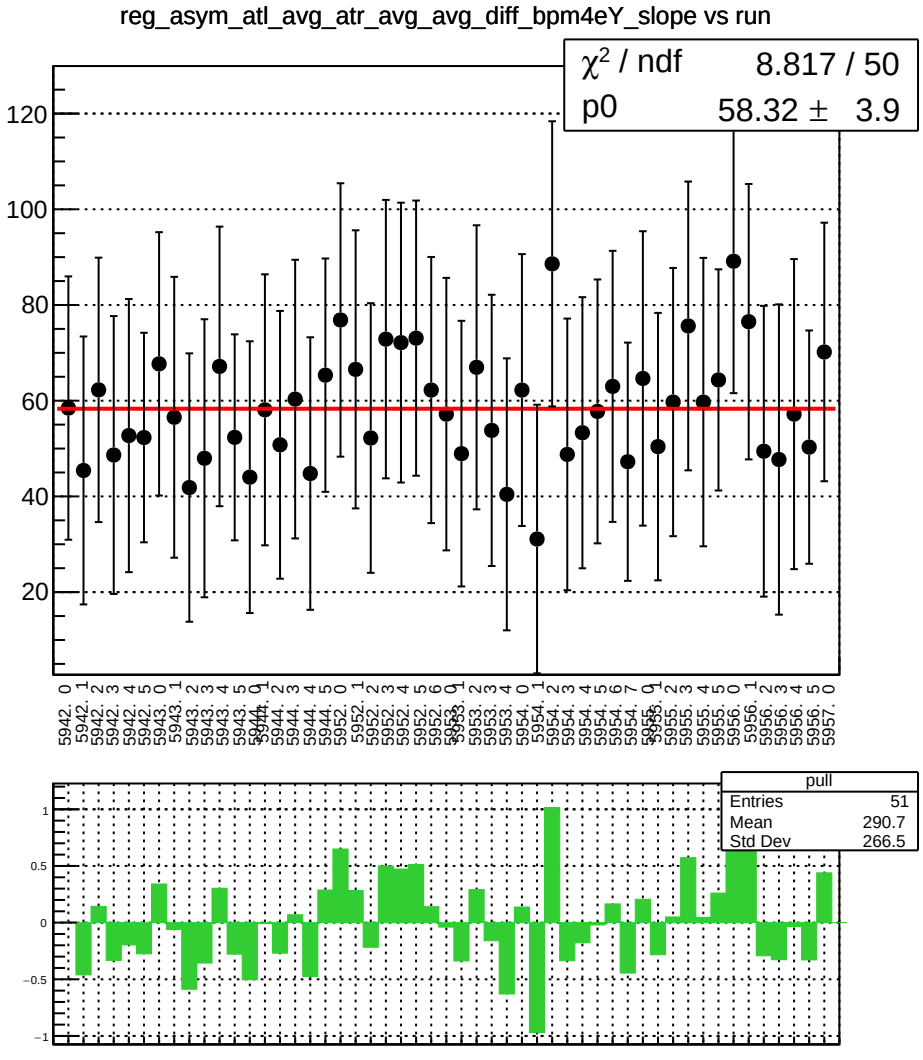

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 23.31 / 50
p0 −10.89 ± 0.1715
pull
Entries 51
Mean 69.96
Std Dev 13.18

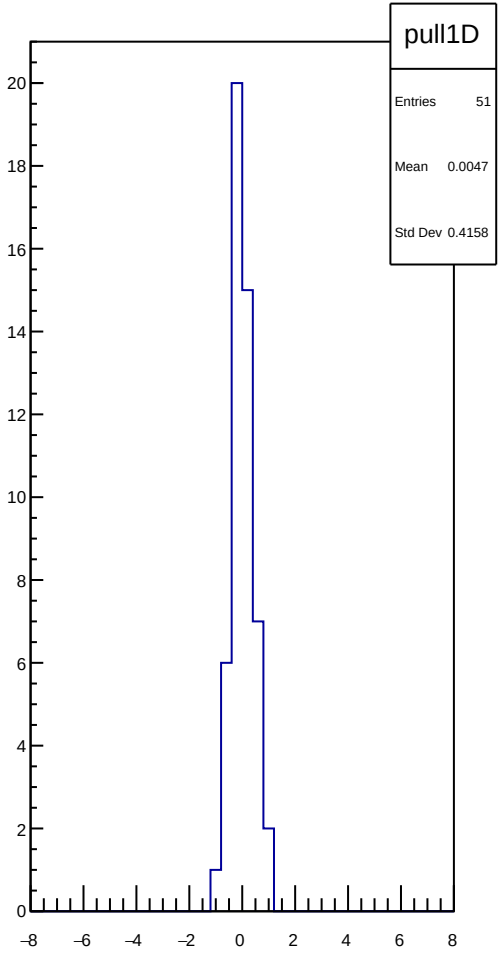

pull1D
Entries 51
Mean −0.009411
Std Dev 0.676

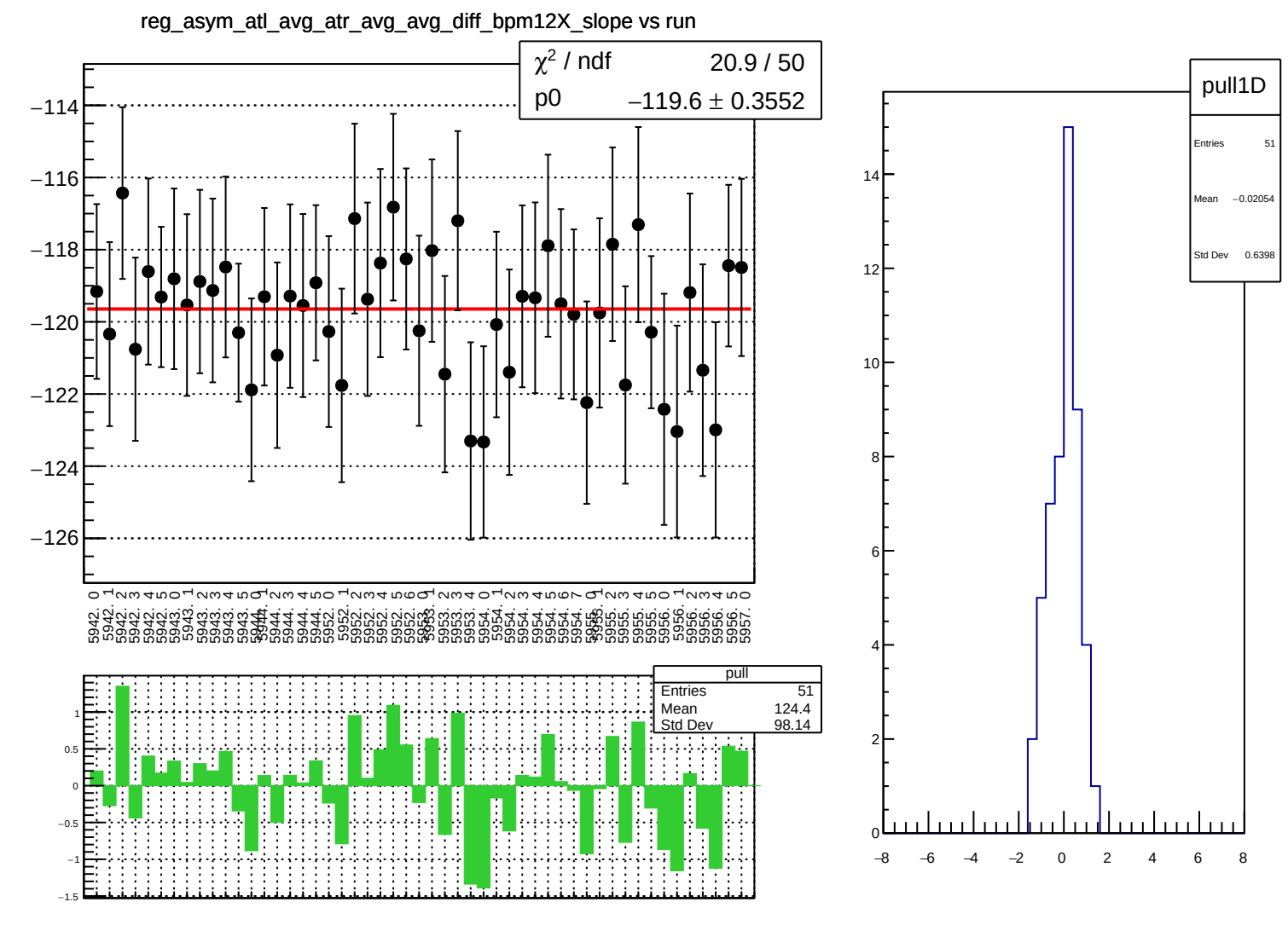

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aX_slope vs run
χ² / ndf 8.381 / 50
p0 −302.2 ± 8.059
pull
Entries 51
Mean −210.8
Std Dev 217.2
pull1D
Entries 51
Mean −0.001976
Std Dev 0.4054

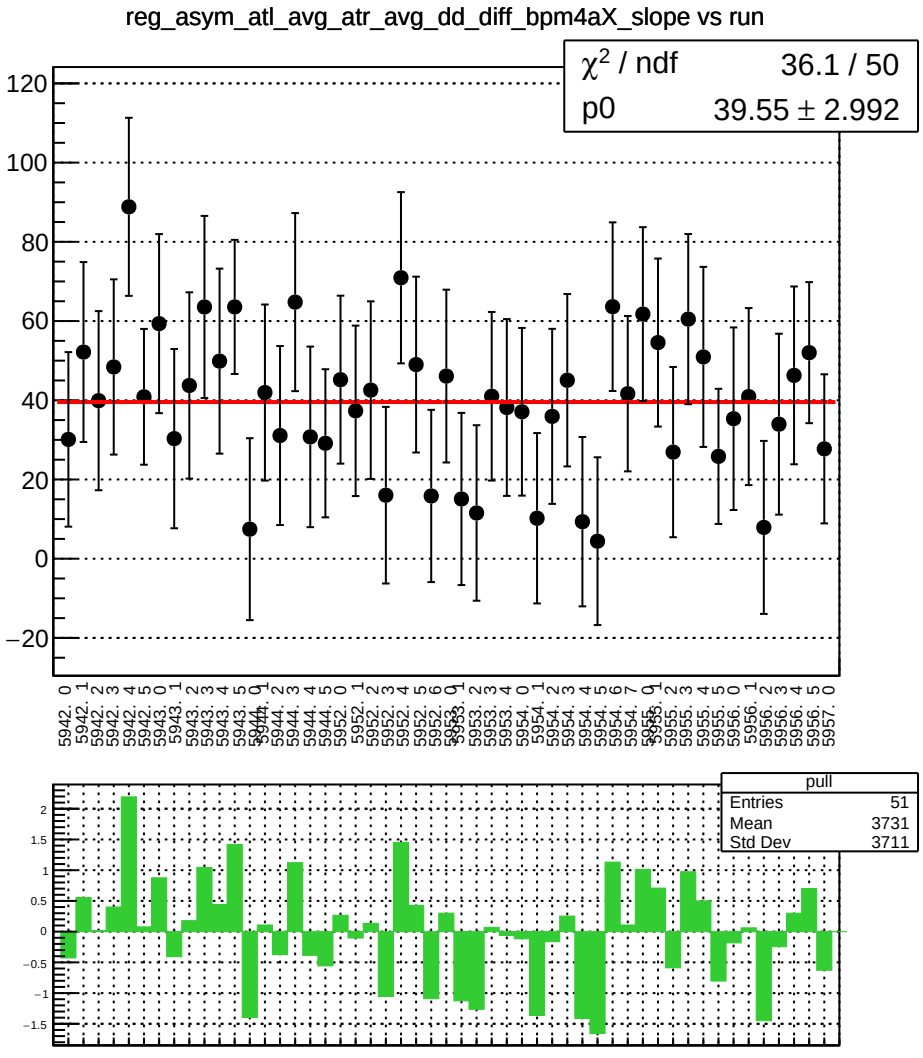

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.699 / 50
p0 −1.881± 2.992
pull
Entries 51
Mean 175.8
Std Dev 152.7
pull1D
Entries 51
Mean −0.005354
Std Dev 0.3885

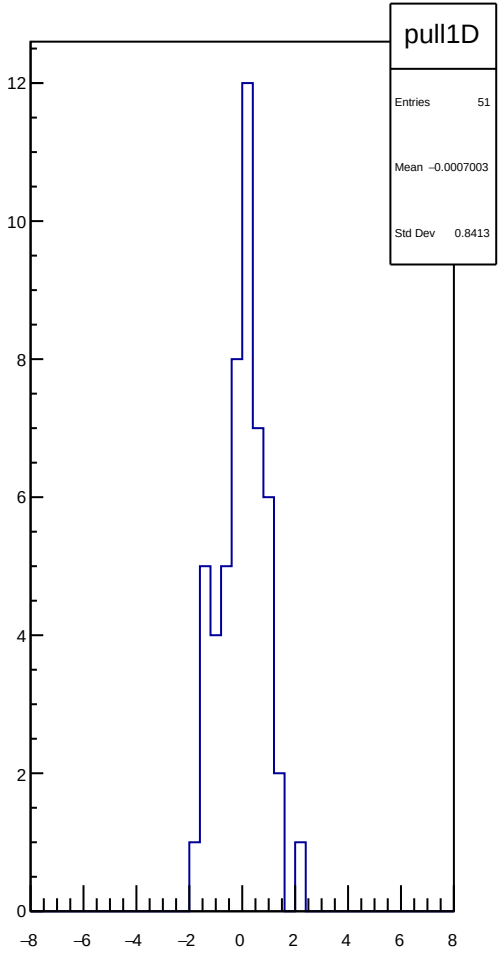

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 9.043 / 50
p0 342.6 ± 8.552
pull
Entries 51
Mean −481.9
Std Dev 494.1
pull1D
Entries 51
Mean 0.001324
Std Dev 0.4211

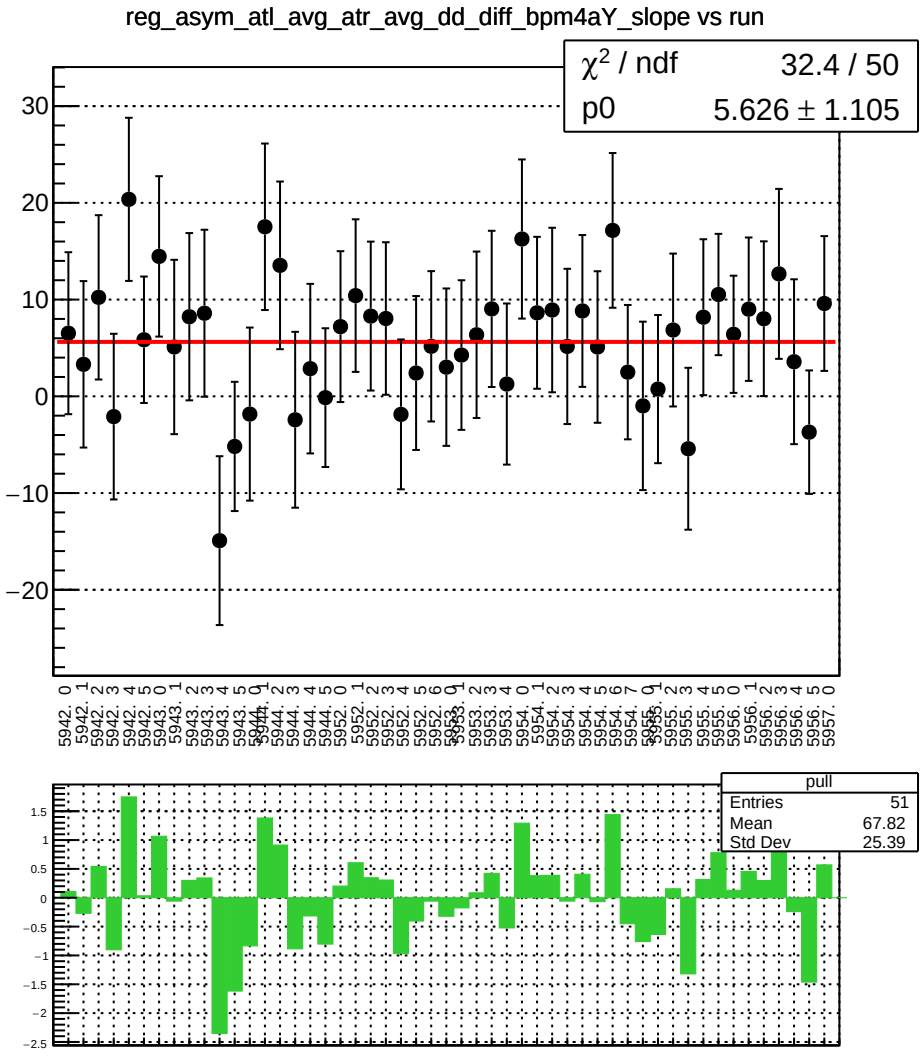

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.817 / 50
p0 58.32 ± 3.9
pull
Entries 51
Mean 290.7
Std Dev 266.5

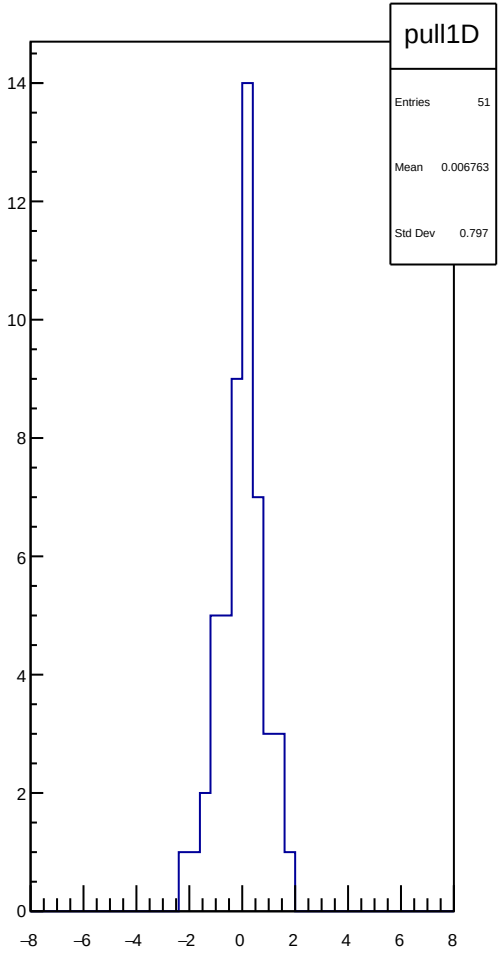

pull1D
Entries 51
Mean 0.0047
Std Dev 0.4158

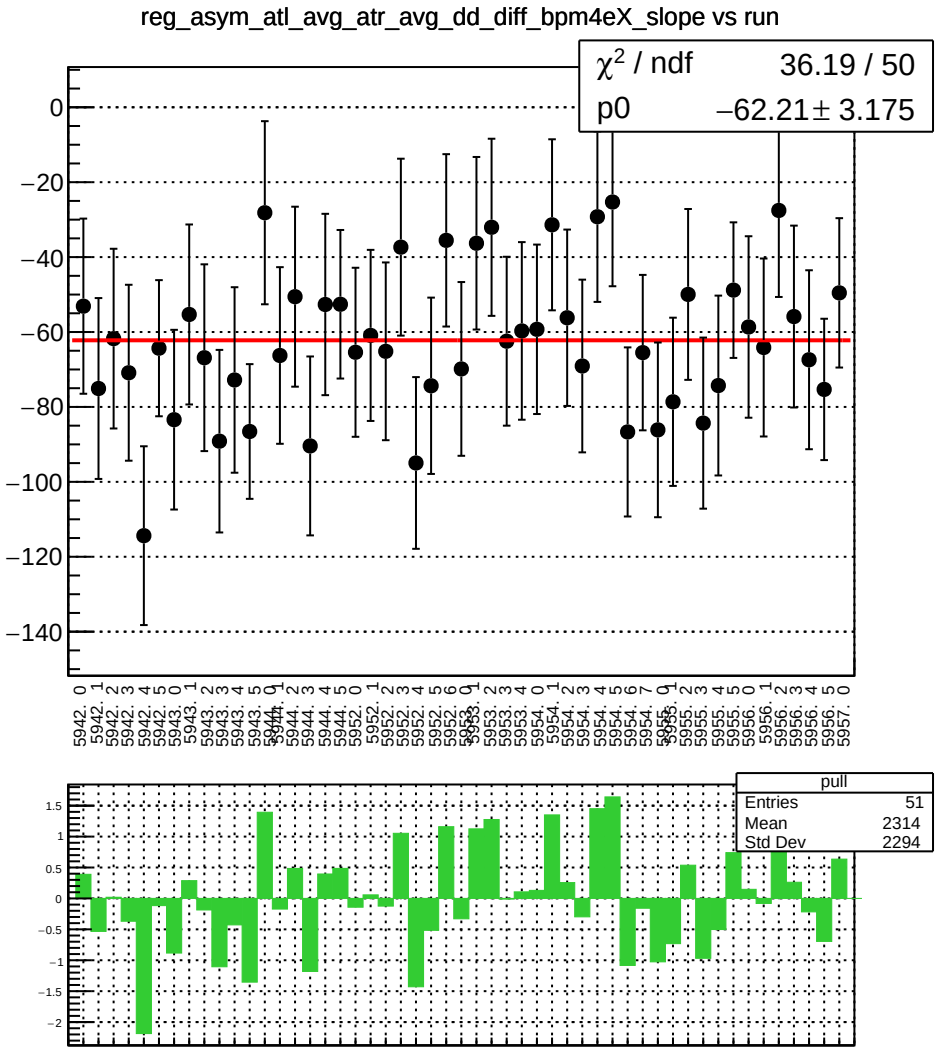

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 20.9 / 50
p0 −119.6 ± 0.3552
pull
Entries 51
Mean 124.4
Std Dev 98.14
pull1D
Entries 51
Mean −0.02054
Std Dev 0.6398

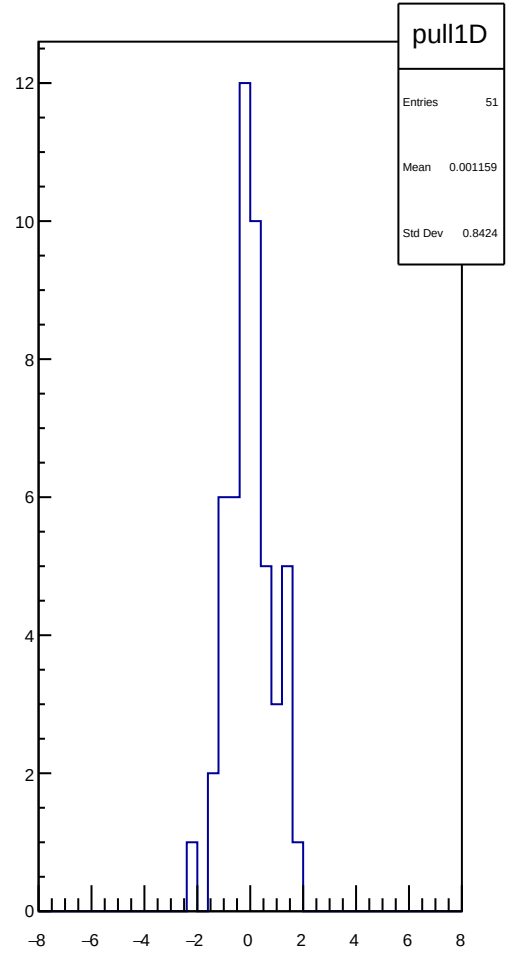

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aX_slope vs run
χ² / ndf 36.1 / 50
p0 39.55 ± 2.992
pull
Entries 51
Mean 3731
Std Dev 3711

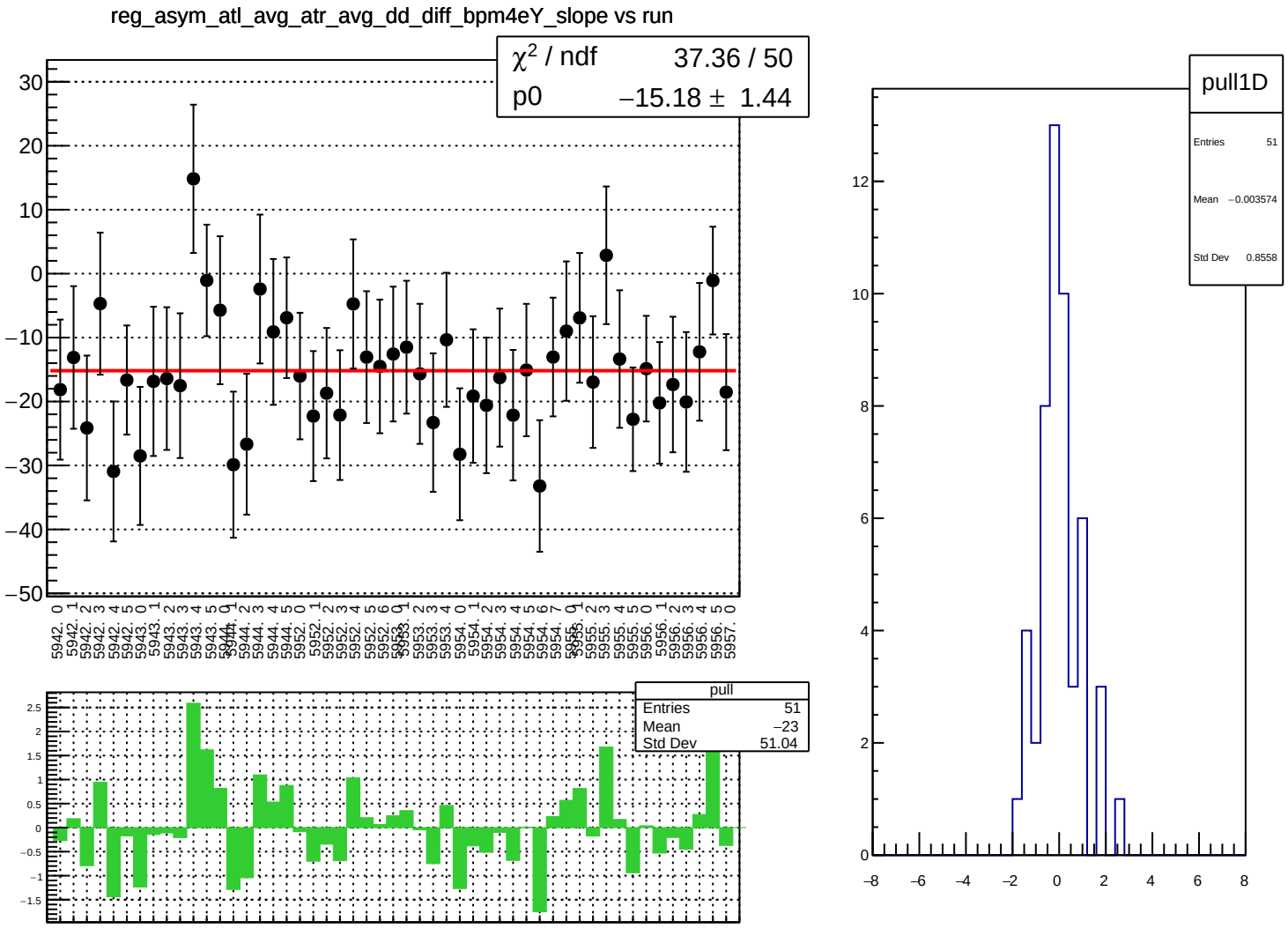

pull1D
Entries 51
Mean −0.0007003
Std Dev 0.8413

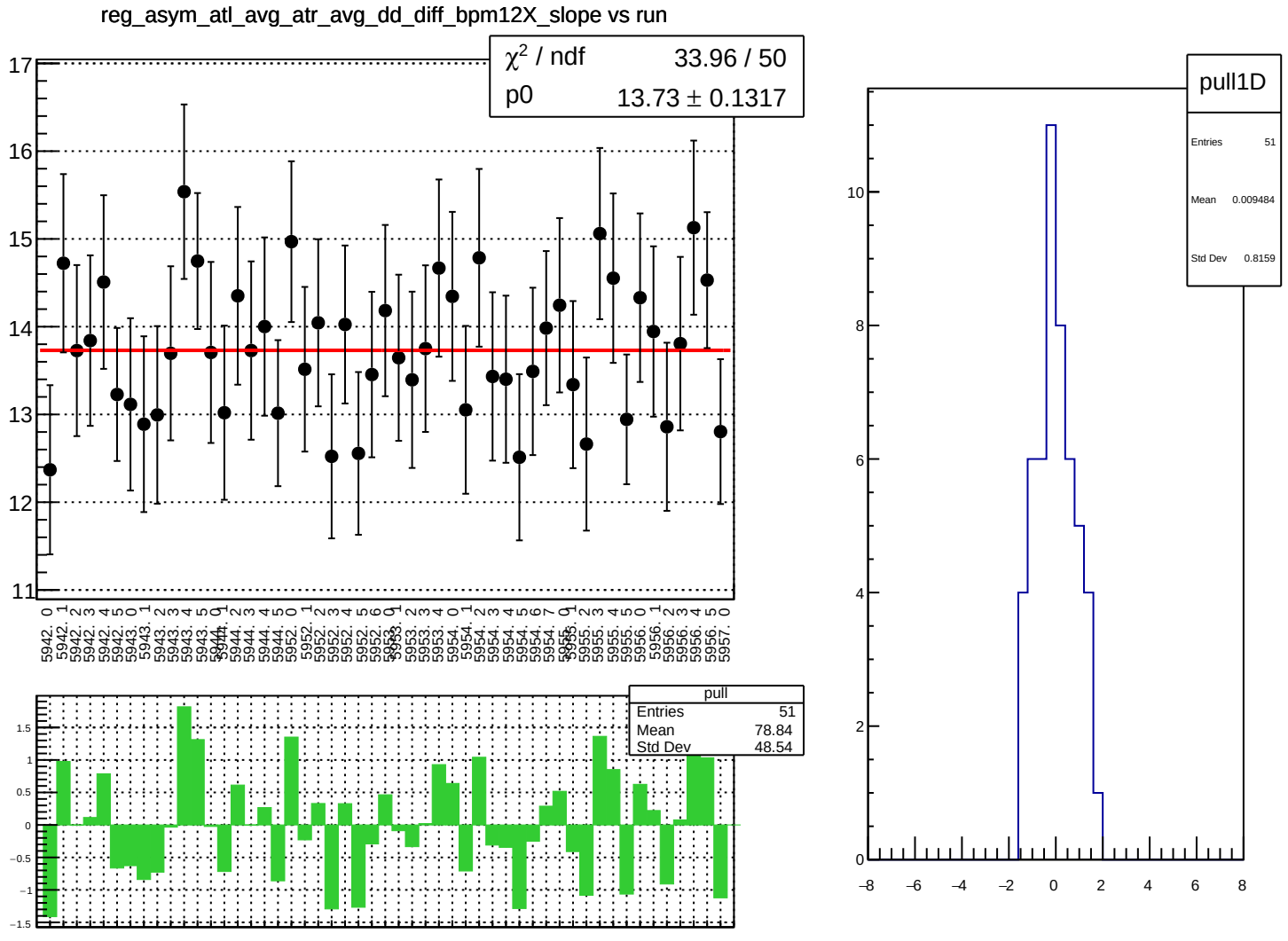

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 32.4 / 50
p0 5.626 ± 1.105
pull
Entries 51
Mean 67.82
Std Dev 25.39

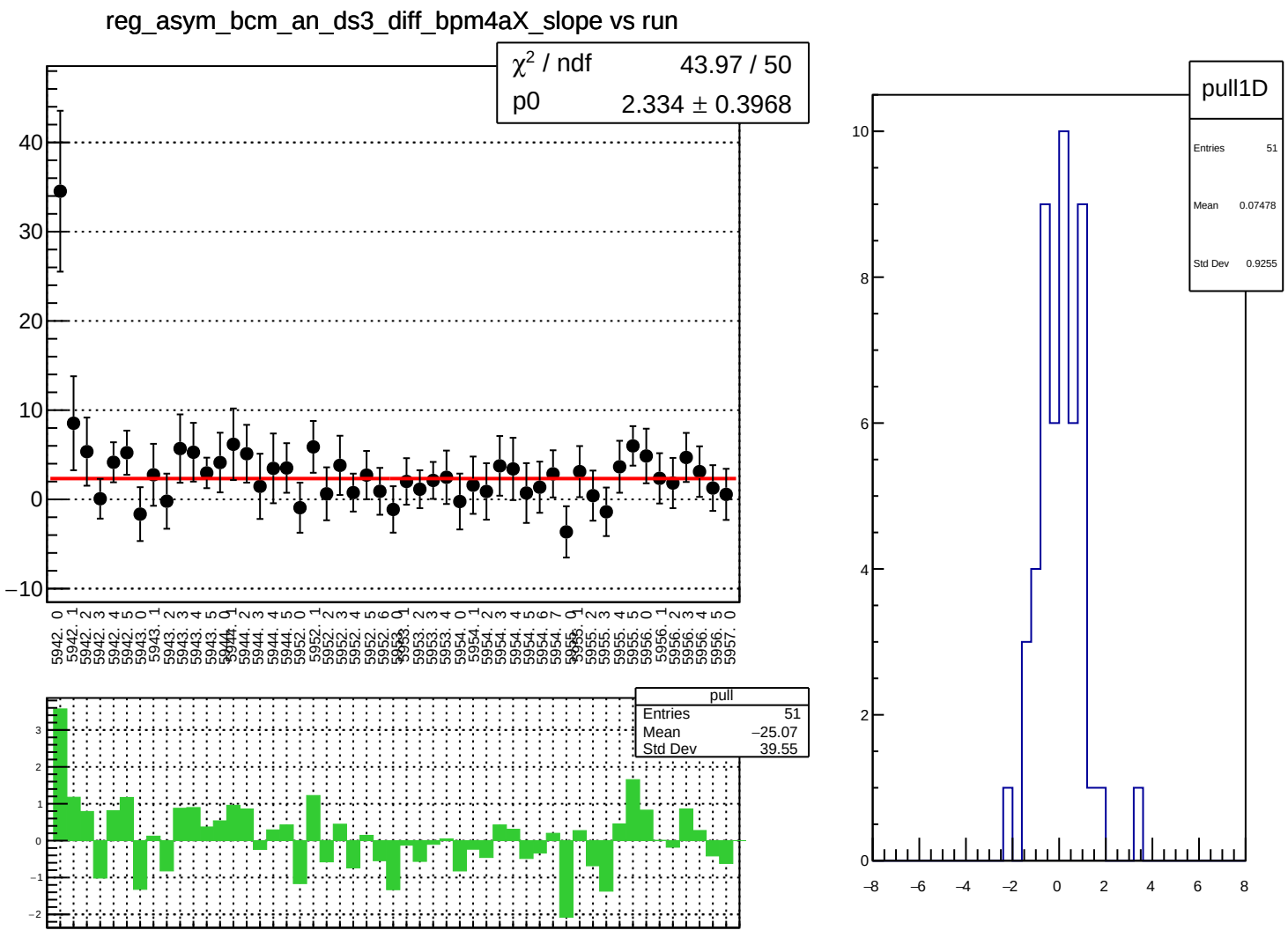

pull1D
Entries 51
Mean 0.006763
Std Dev 0.797

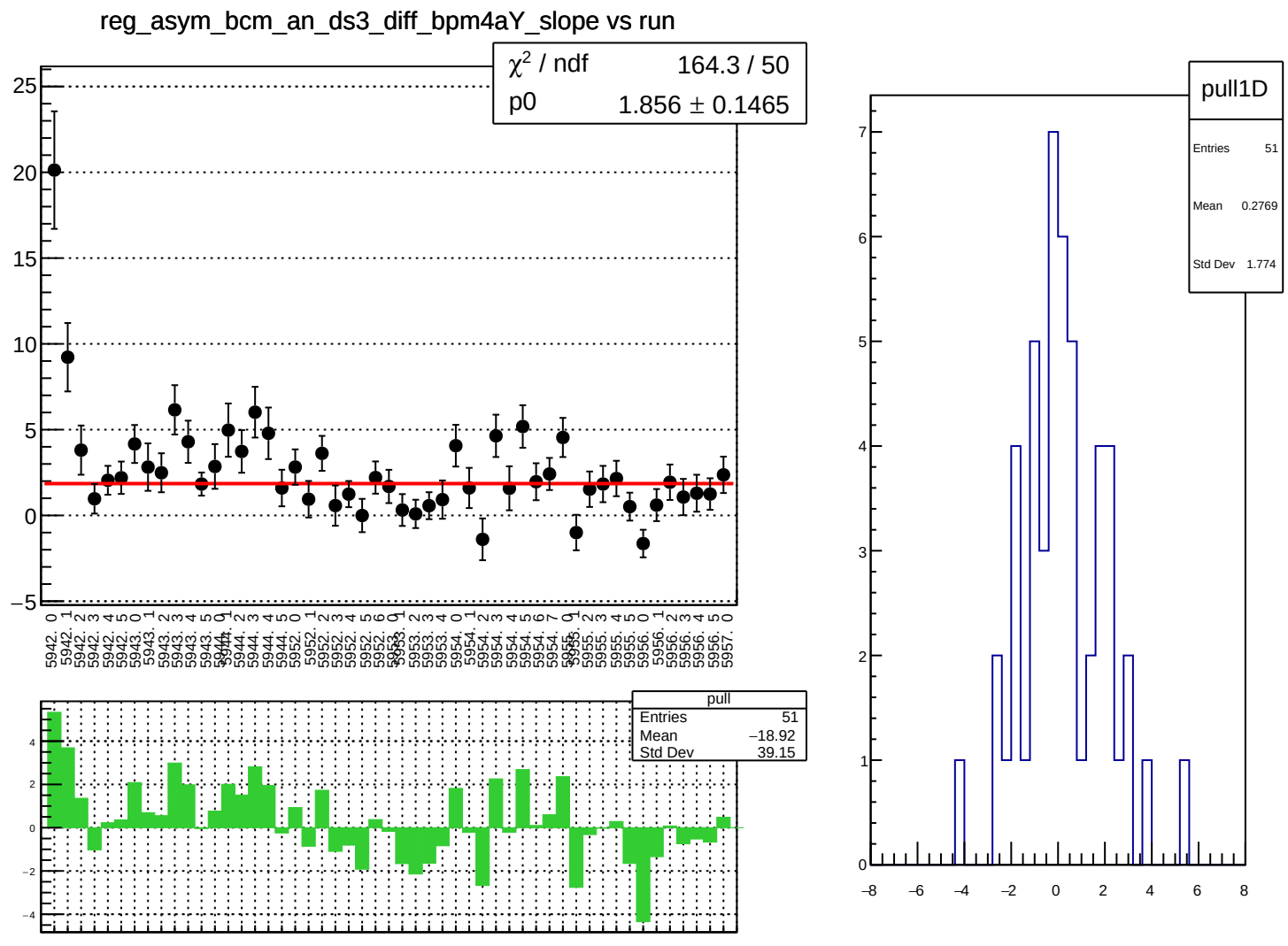

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 36.19 / 50
p0 −62.21 ± 3.175
pull
Entries 51
Mean 2314
Std Dev 2294

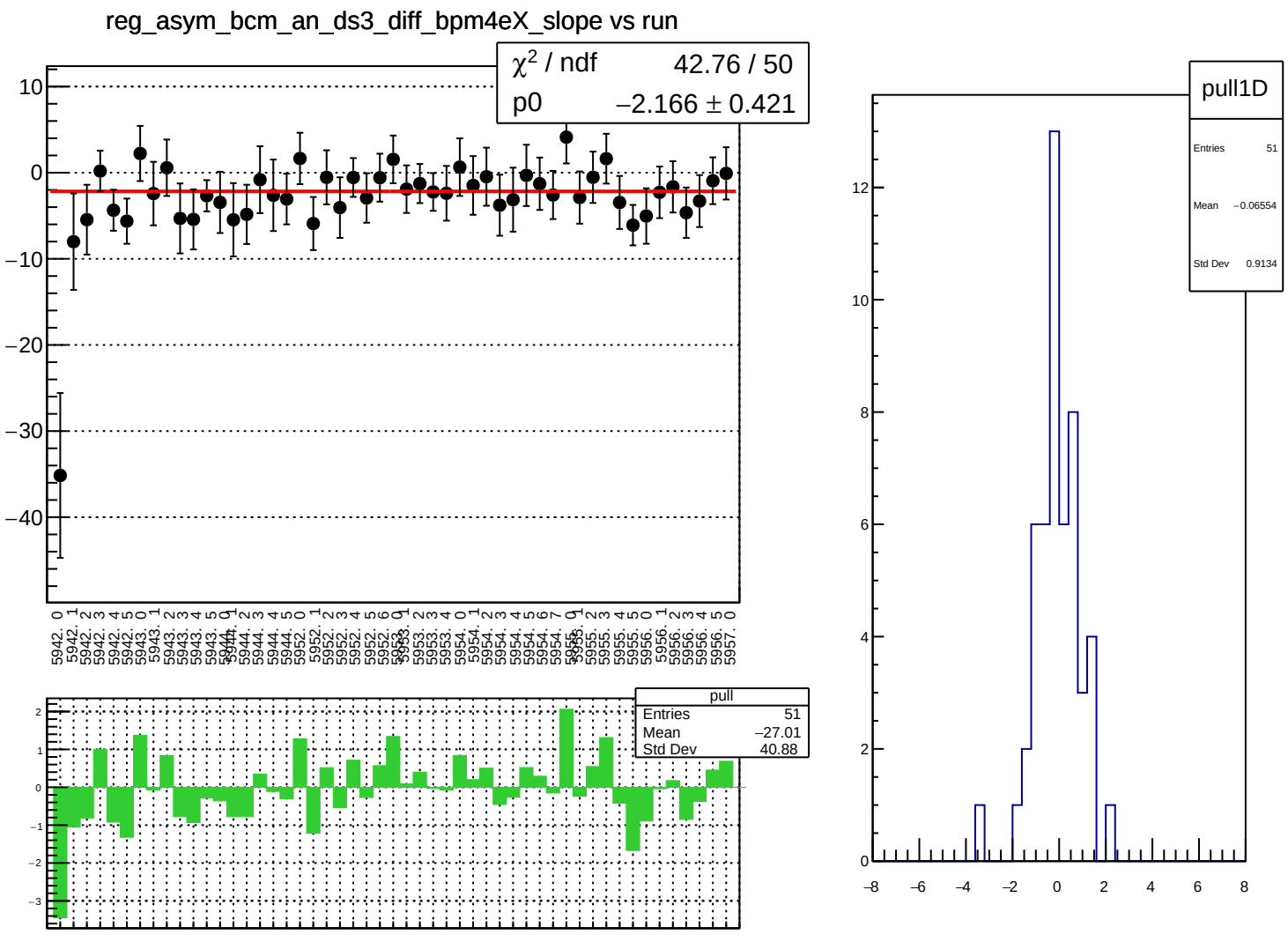

pull1D
Entries 51
Mean 0.001159
Std Dev 0.8424

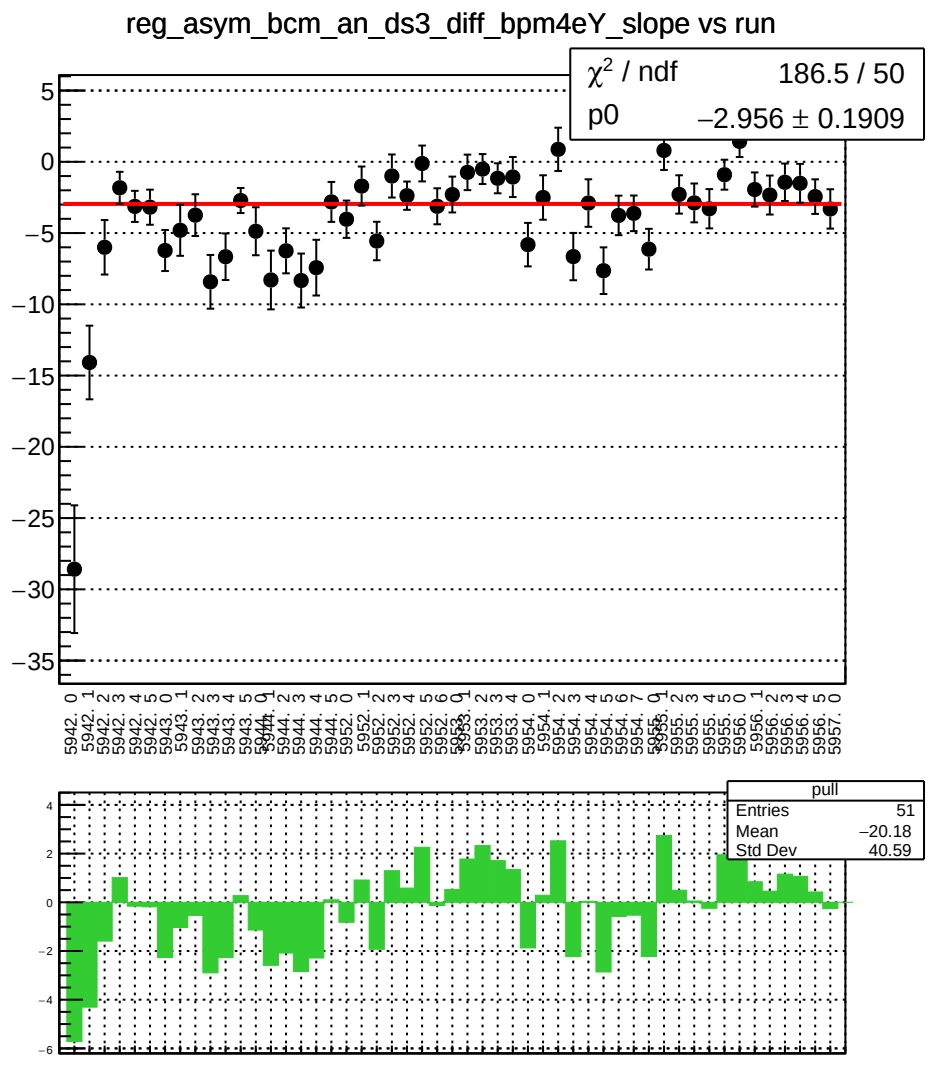

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 37.36 / 50
p0 −15.18 ± 1.44
pull
Entries 51
Mean −23
Std Dev 51.04
pull1D
Entries 51
Mean −0.003574
Std Dev 0.8558

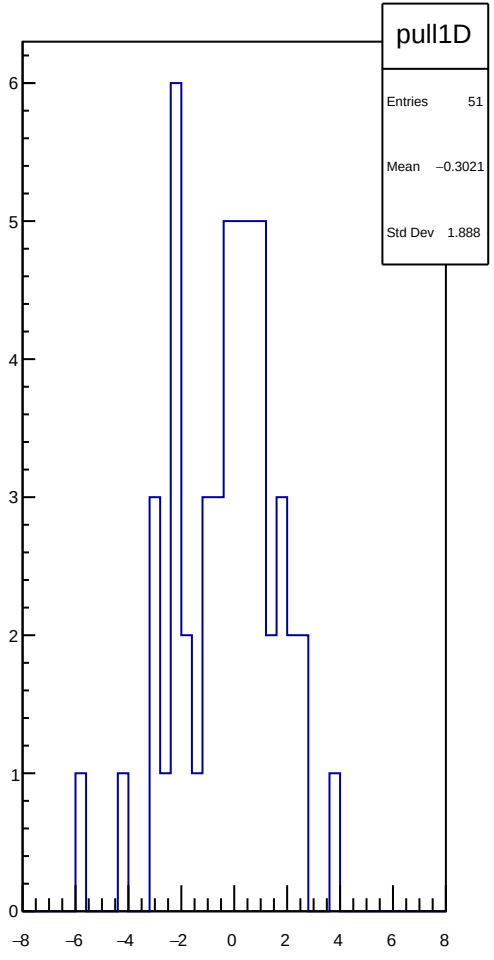

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 33.96 / 50
p0 13.73 ± 0.1317
pull
Entries 51
Mean 78.84
Std Dev 48.54
pull1D
Entries 51
Mean 0.009484
Std Dev 0.8159

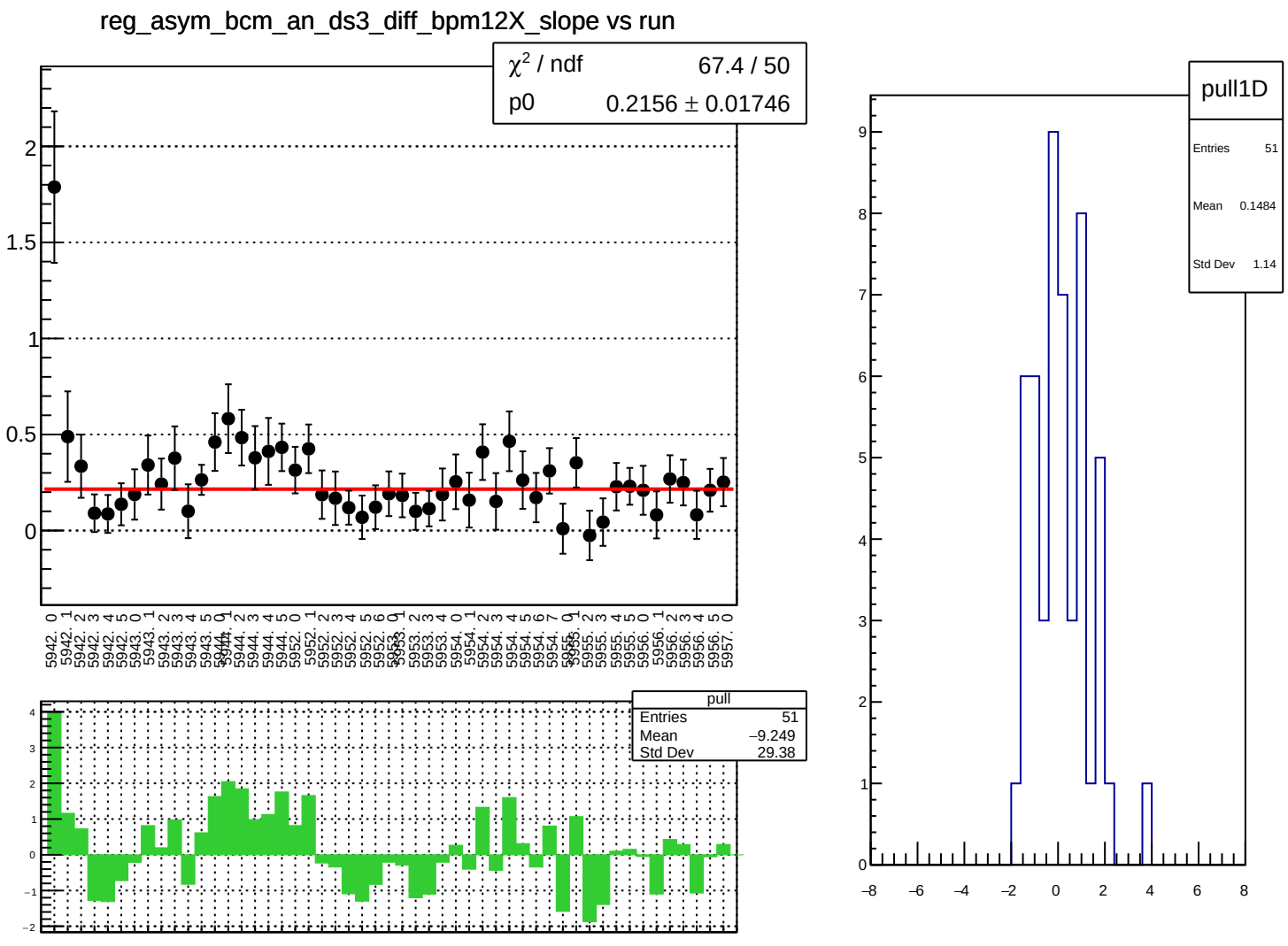

reg_asym_bcm_an_ds3_diff_bpm4aX_slope vs run
χ² / ndf 43.97 / 50
p0 2.334 ± 0.3968
pull
Entries 51
Mean −25.07
Std Dev 39.55
pull1D
Entries 51
Mean 0.07478
Std Dev 0.9255

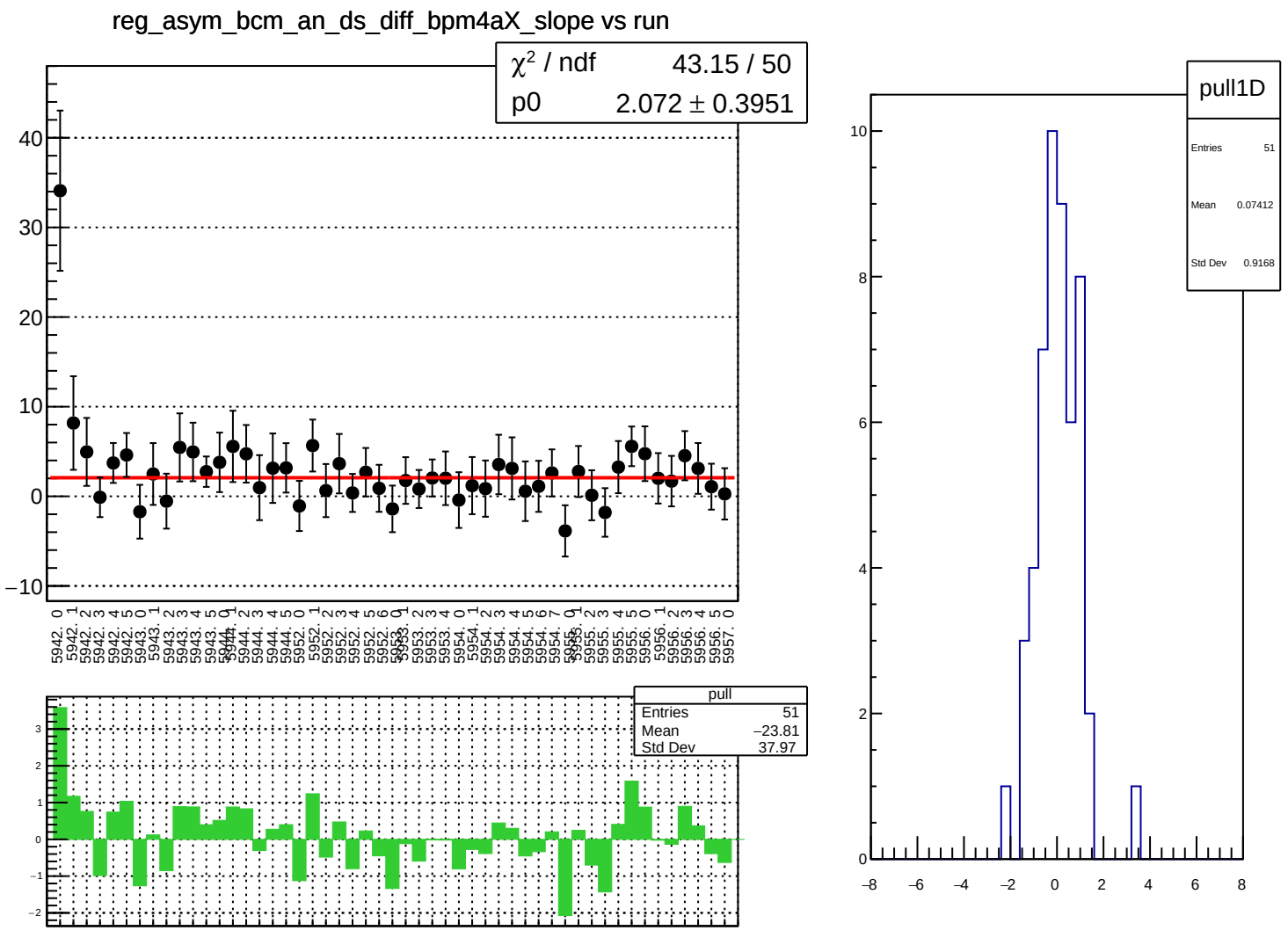

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 164.3 / 50
p0 1.856 ± 0.1465
pull
Entries 51
Mean −18.92
Std Dev 39.15
pull1D
Entries 51
Mean 0.2769
Std Dev 1.774

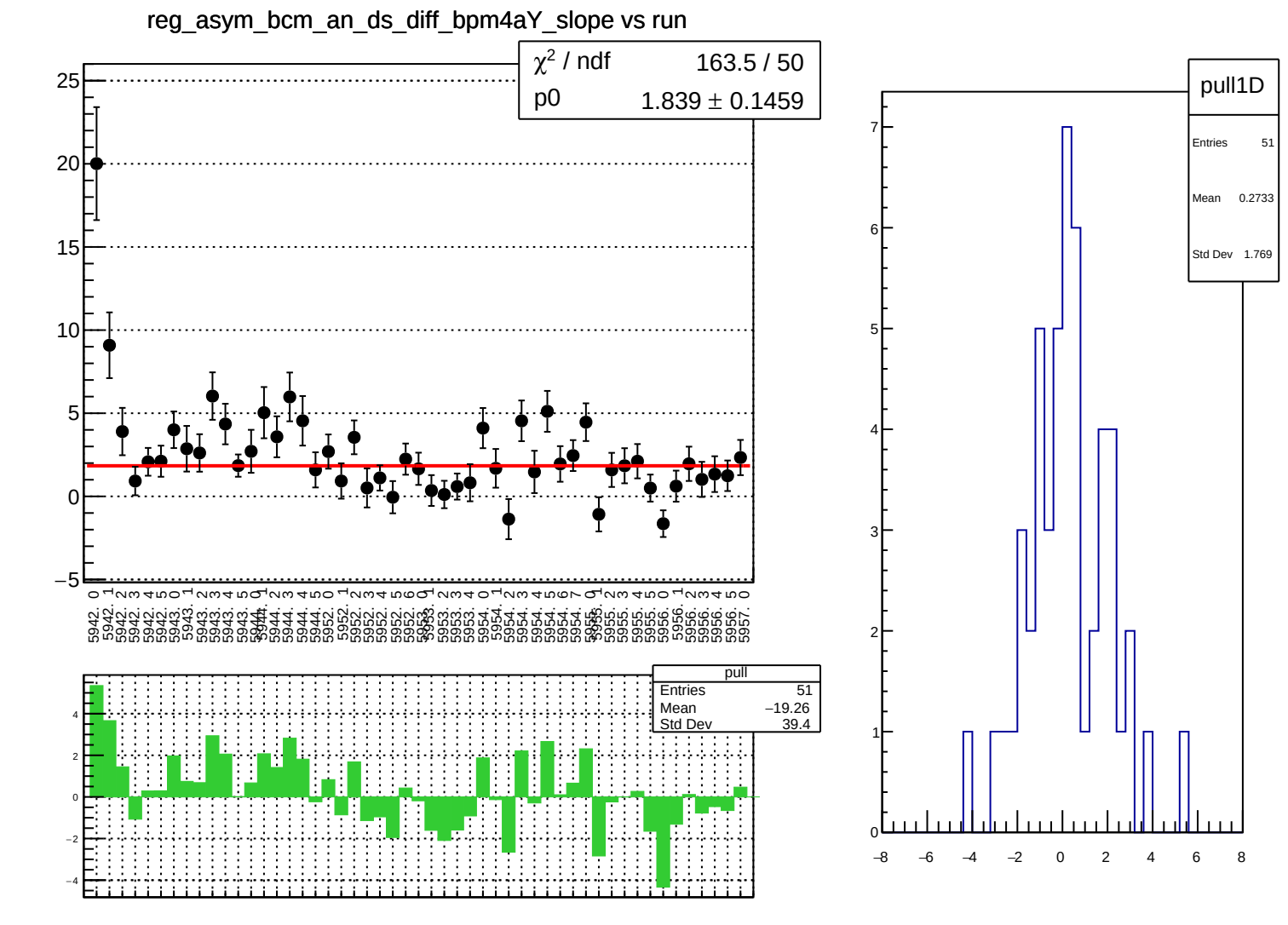

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 42.76 / 50
p0 −2.166 ± 0.421
pull
Entries 51
Mean −27.01
Std Dev 40.88
pull1D
Entries 51
Mean −0.06554
Std Dev 0.9134

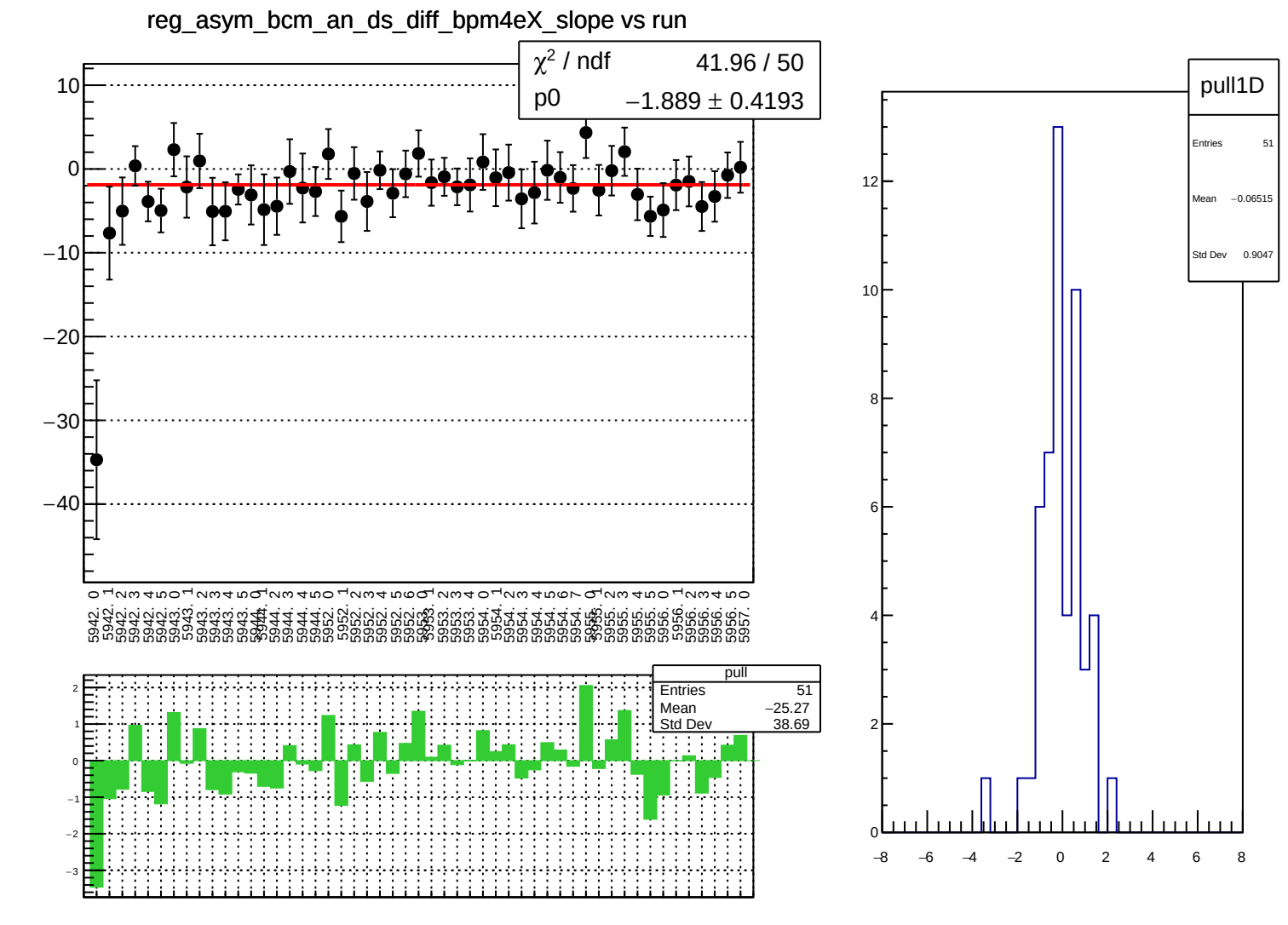

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 186.5 / 50
p0 −2.956 ± 0.1909
pull
Entries 51
Mean −20.18
Std Dev 40.59

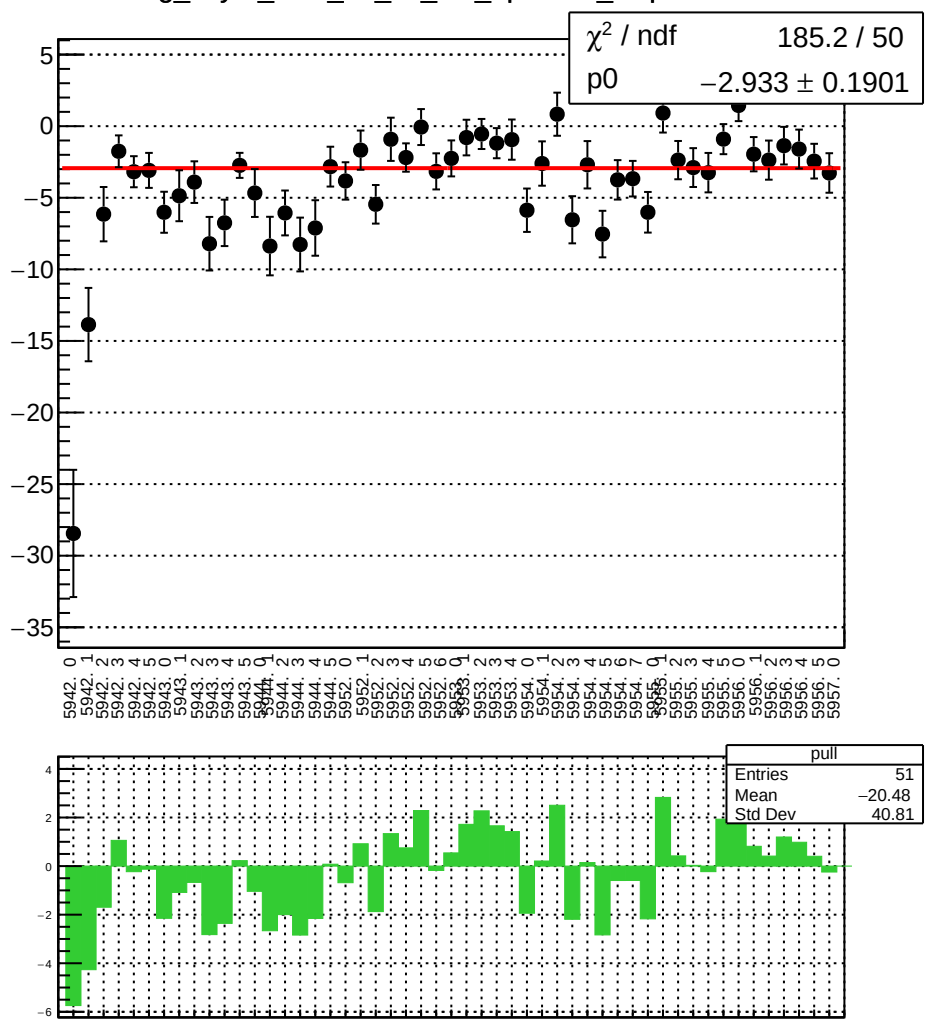

pull1D
Entries 51
Mean −0.3021
Std Dev 1.888

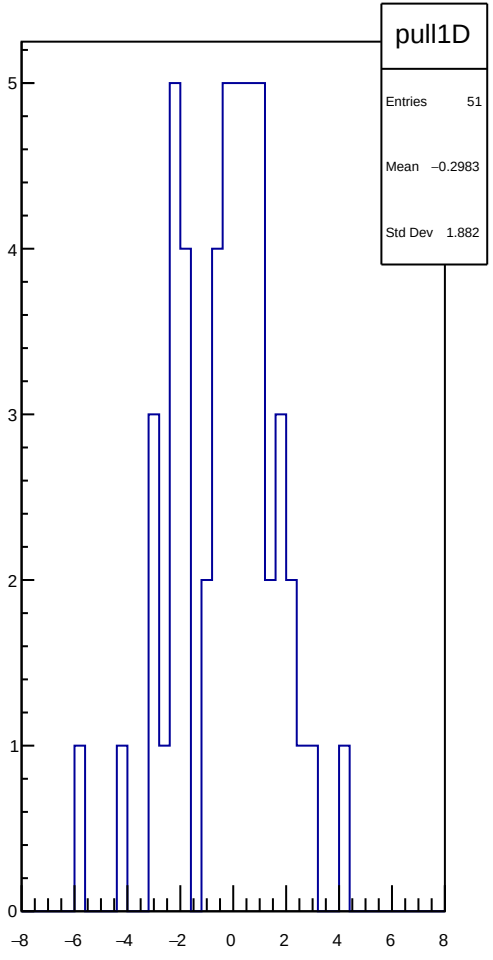

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 67.4 / 50
p0 0.2156 ± 0.01746
pull
Entries 51
Mean −9.249
Std Dev 29.38
pull1D
Entries 51
Mean 0.1484
Std Dev 1.14

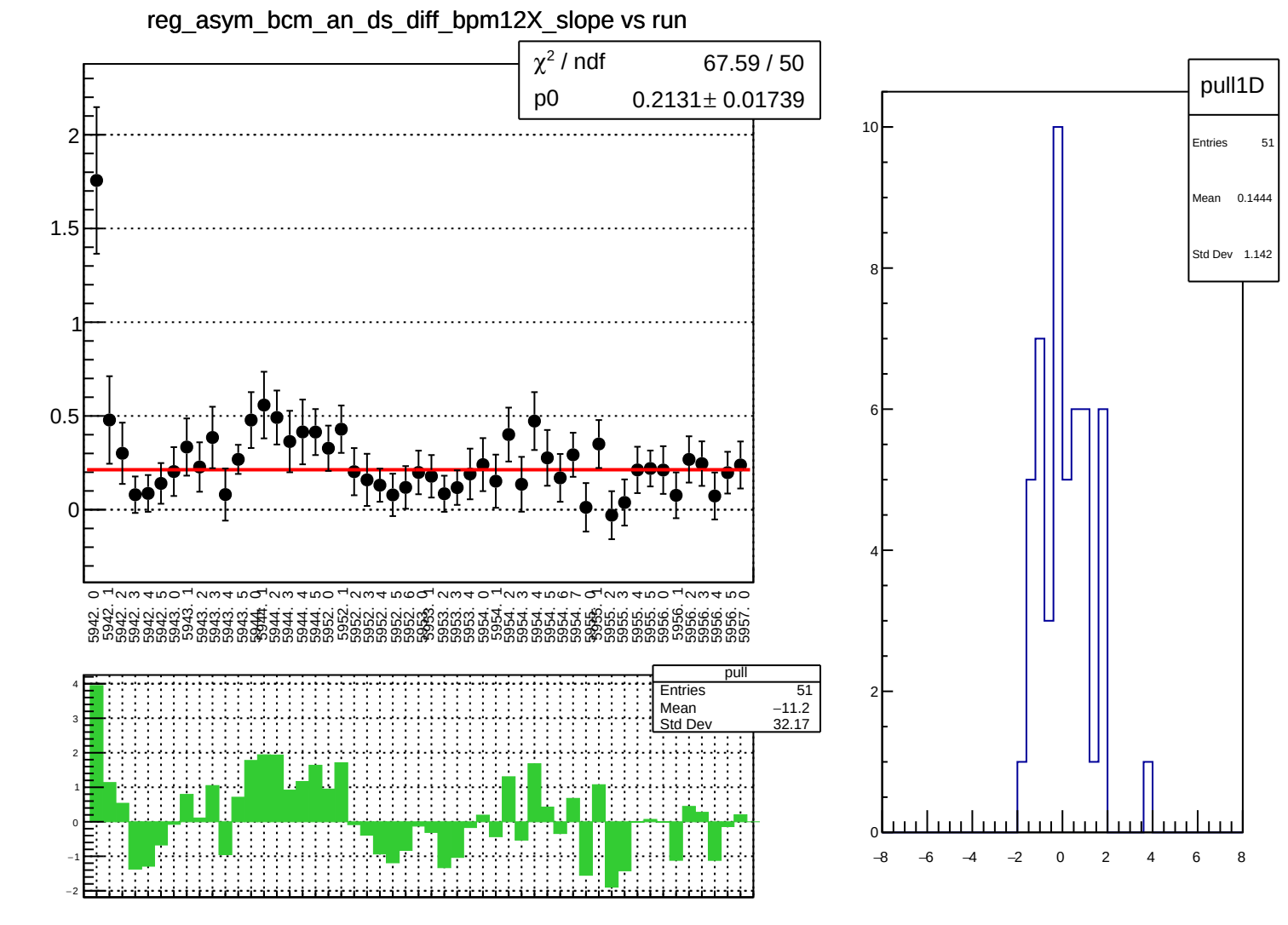

reg_asym_bcm_an_ds_diff_bpm4aX_slope vs run
χ² / ndf 43.15 / 50
p0 2.072 ± 0.3951
pull
Entries 51
Mean −23.81
Std Dev 37.97
pull1D
Entries 51
Mean 0.07412
Std Dev 0.9168

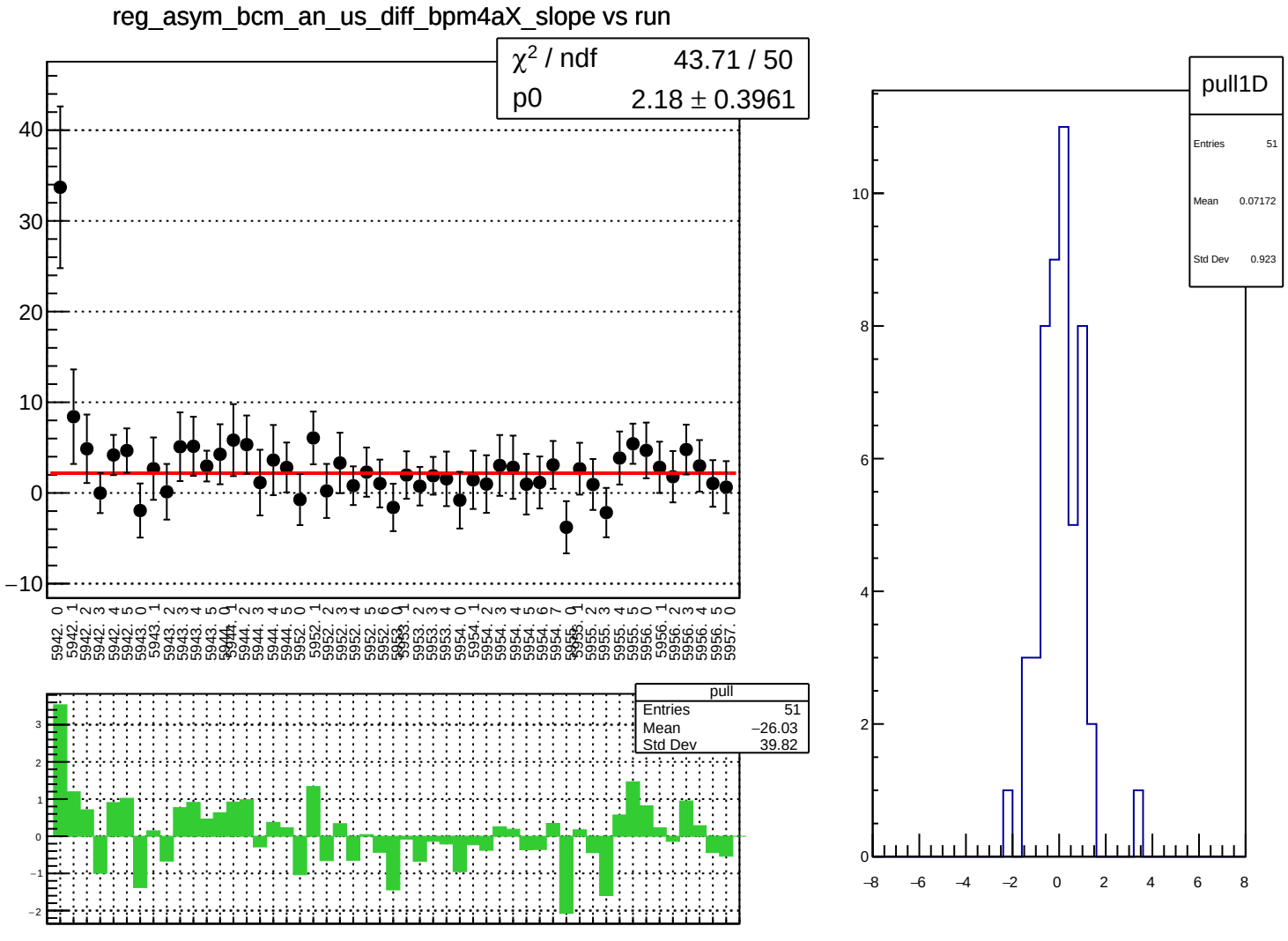

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 163.5 / 50
p0 1.839 ± 0.1459
pull
Entries 51
Mean −19.26
Std Dev 39.4
pull1D
Entries 51
Mean 0.2733
Std Dev 1.769

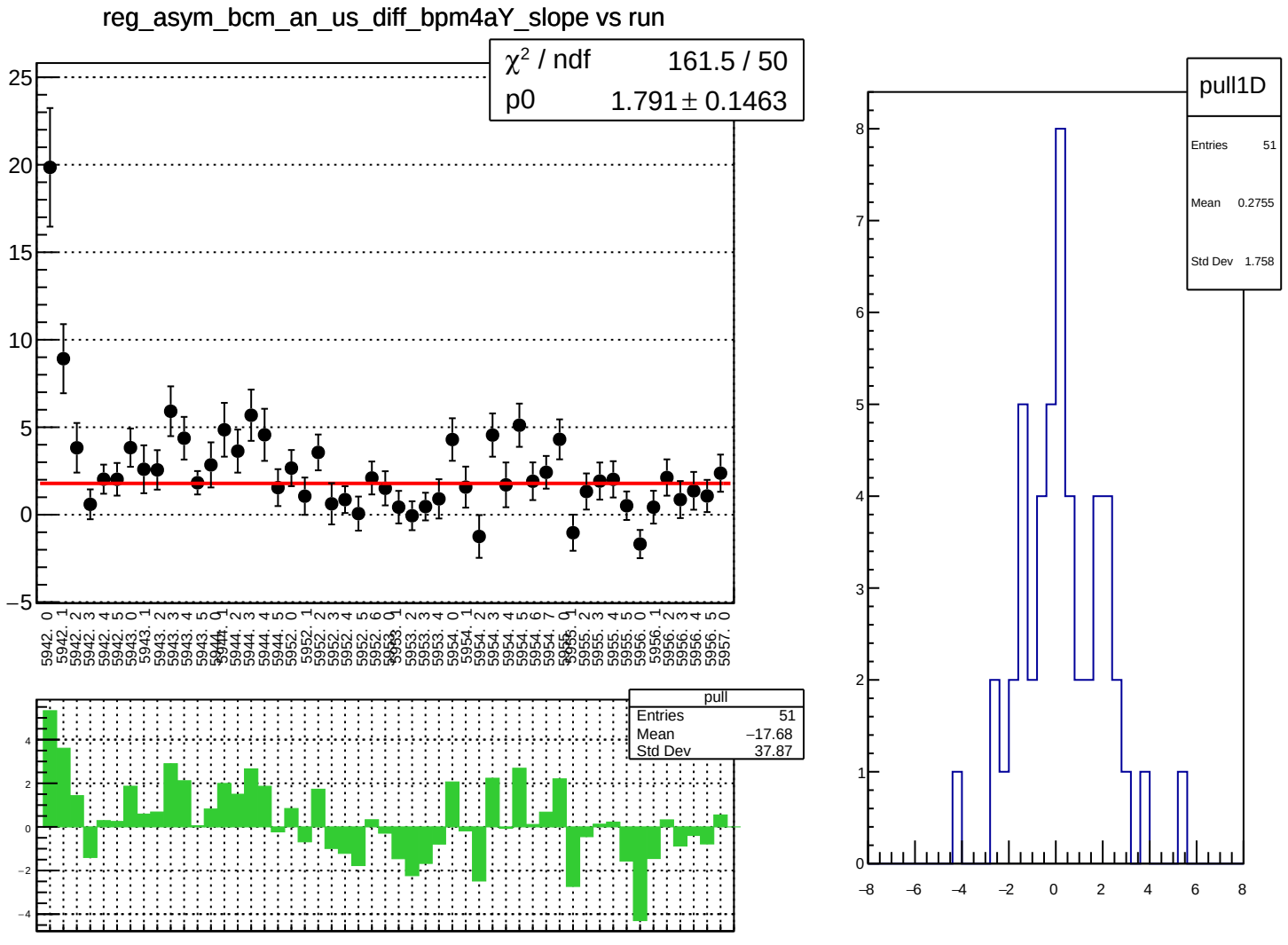

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 41.96 / 50
p0 −1.889 ± 0.4193
pull
Entries 51
Mean −25.27
Std Dev 38.69
pull1D
Entries 51
Mean −0.06515
Std Dev 0.9047

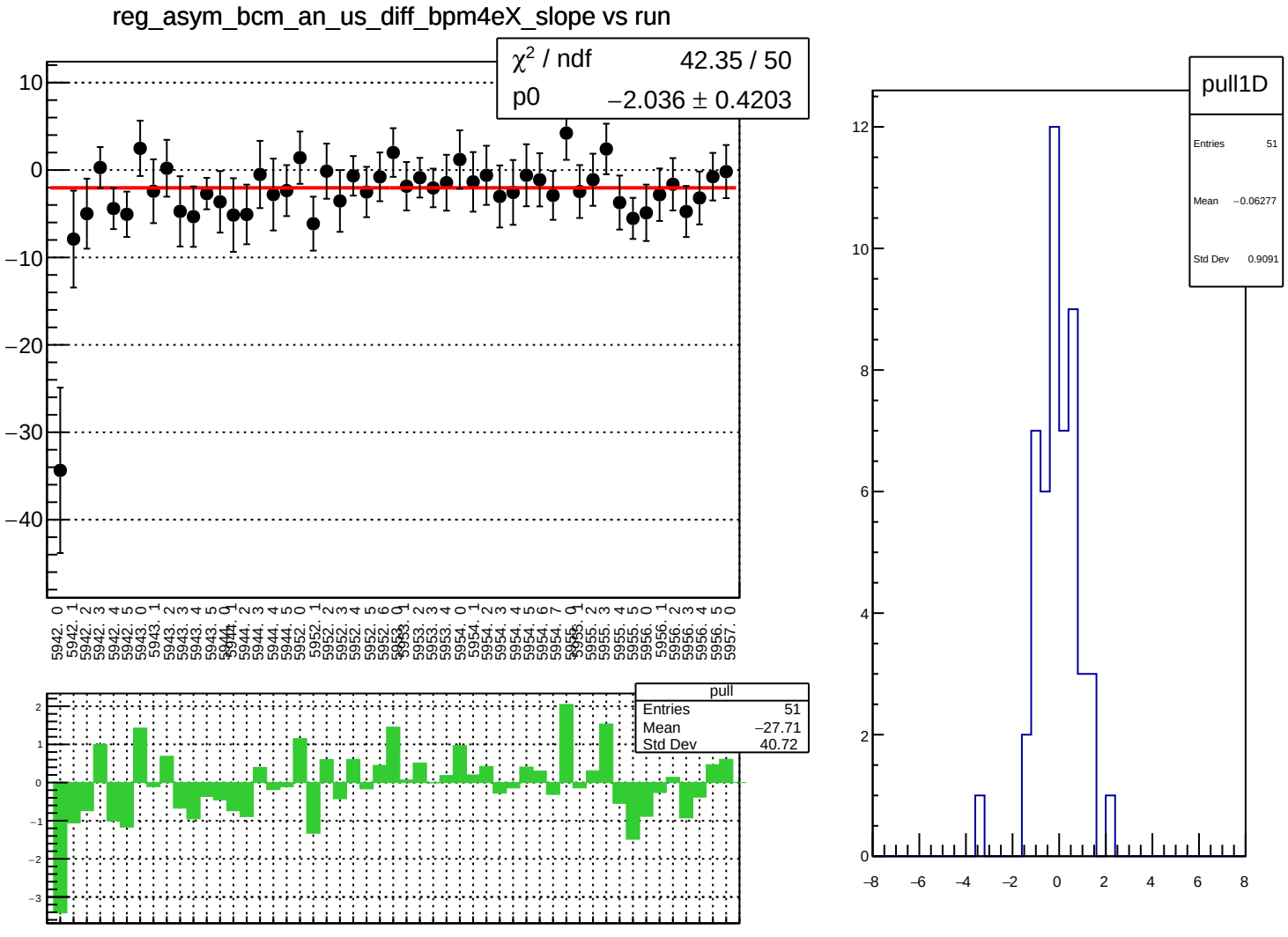

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 185.2 / 50
p0 −2.933 ± 0.1901
pull
Entries 51
Mean −20.48
Std Dev 40.81

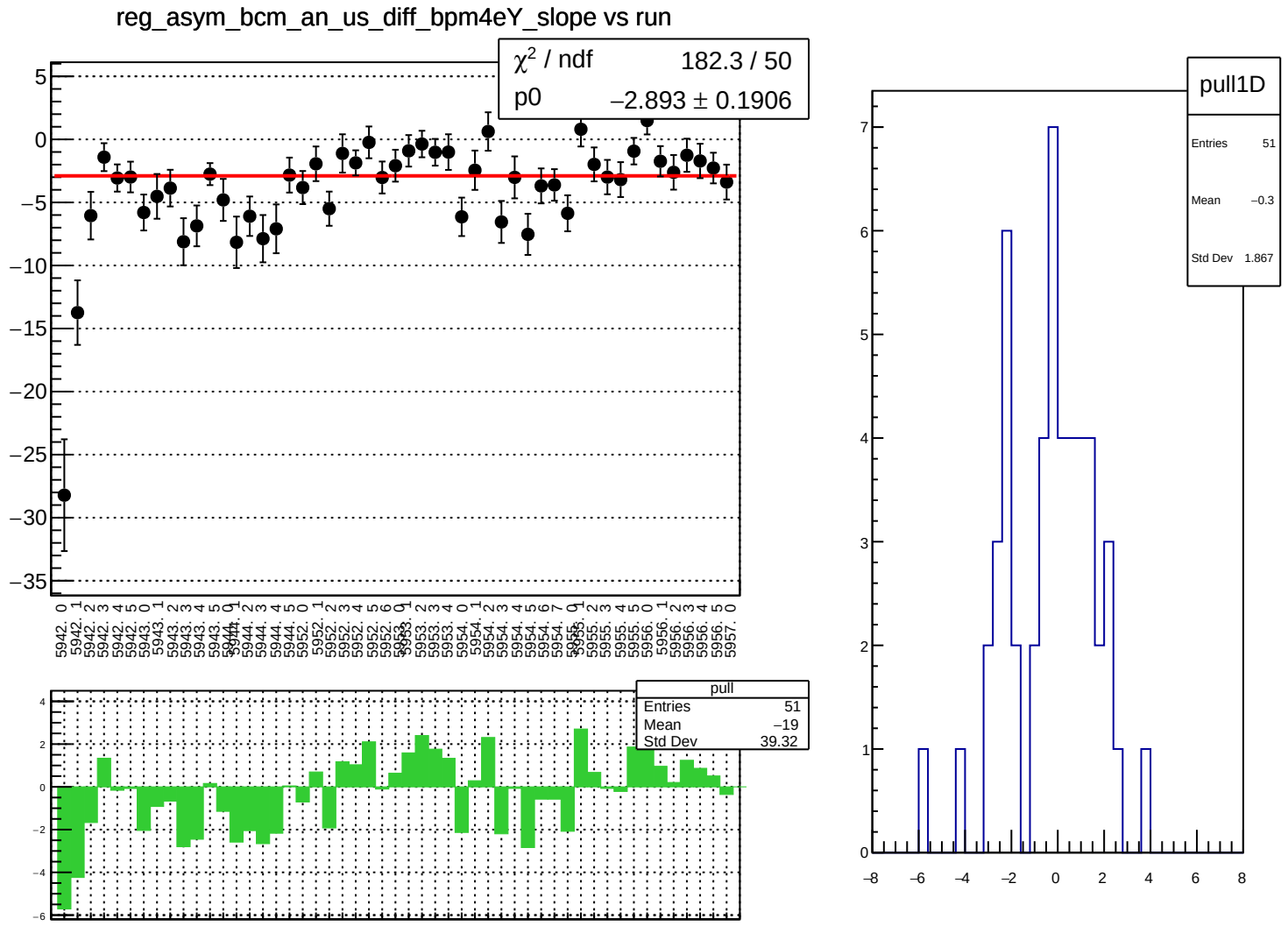

pull1D
Entries 51
Mean −0.2983
Std Dev 1.882

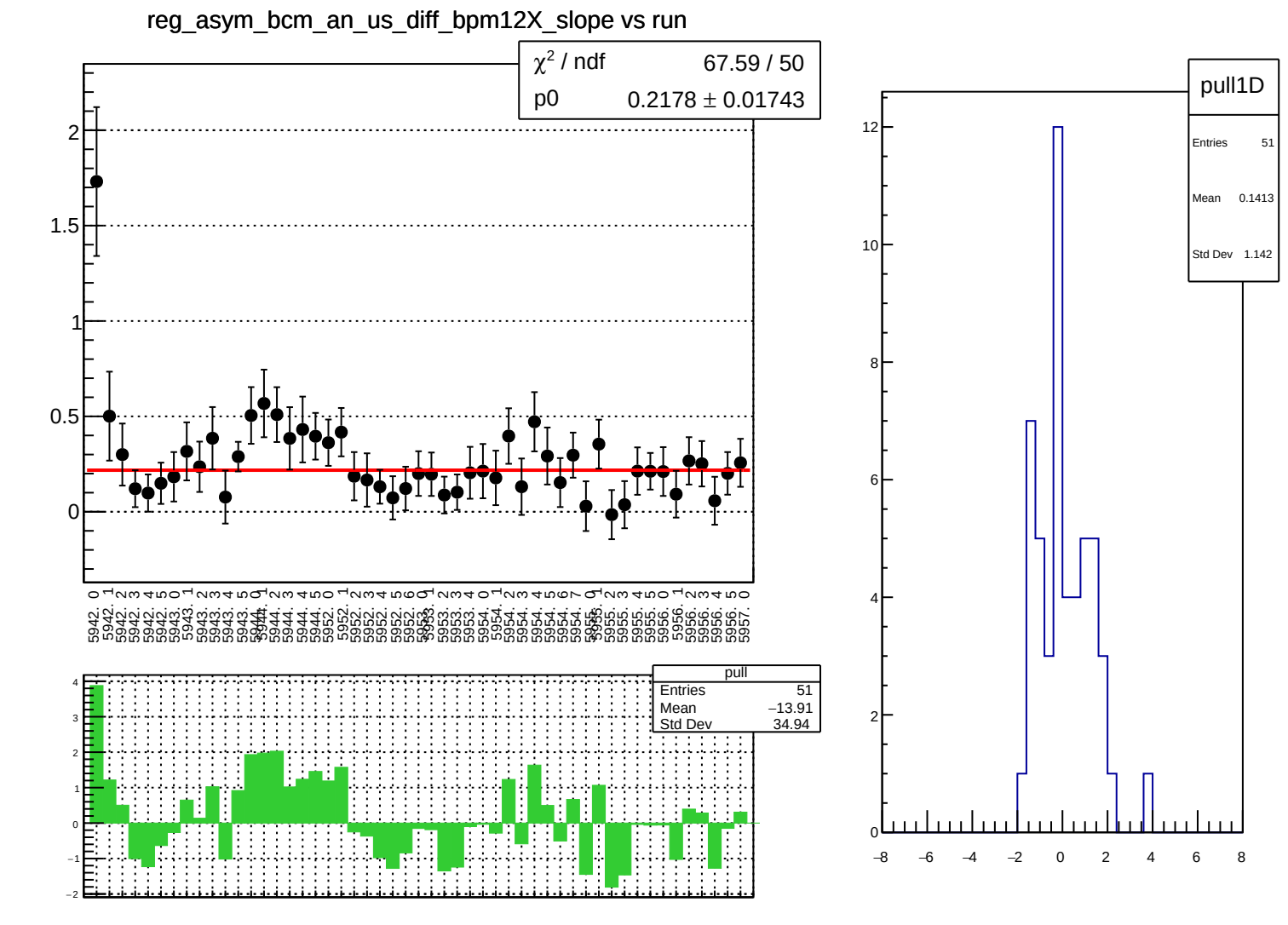

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 67.59 / 50
p0 0.2131± 0.01739
pull
Entries 51
Mean −11.2
Std Dev 32.17
pull1D
Entries 51
Mean 0.1444
Std Dev 1.142

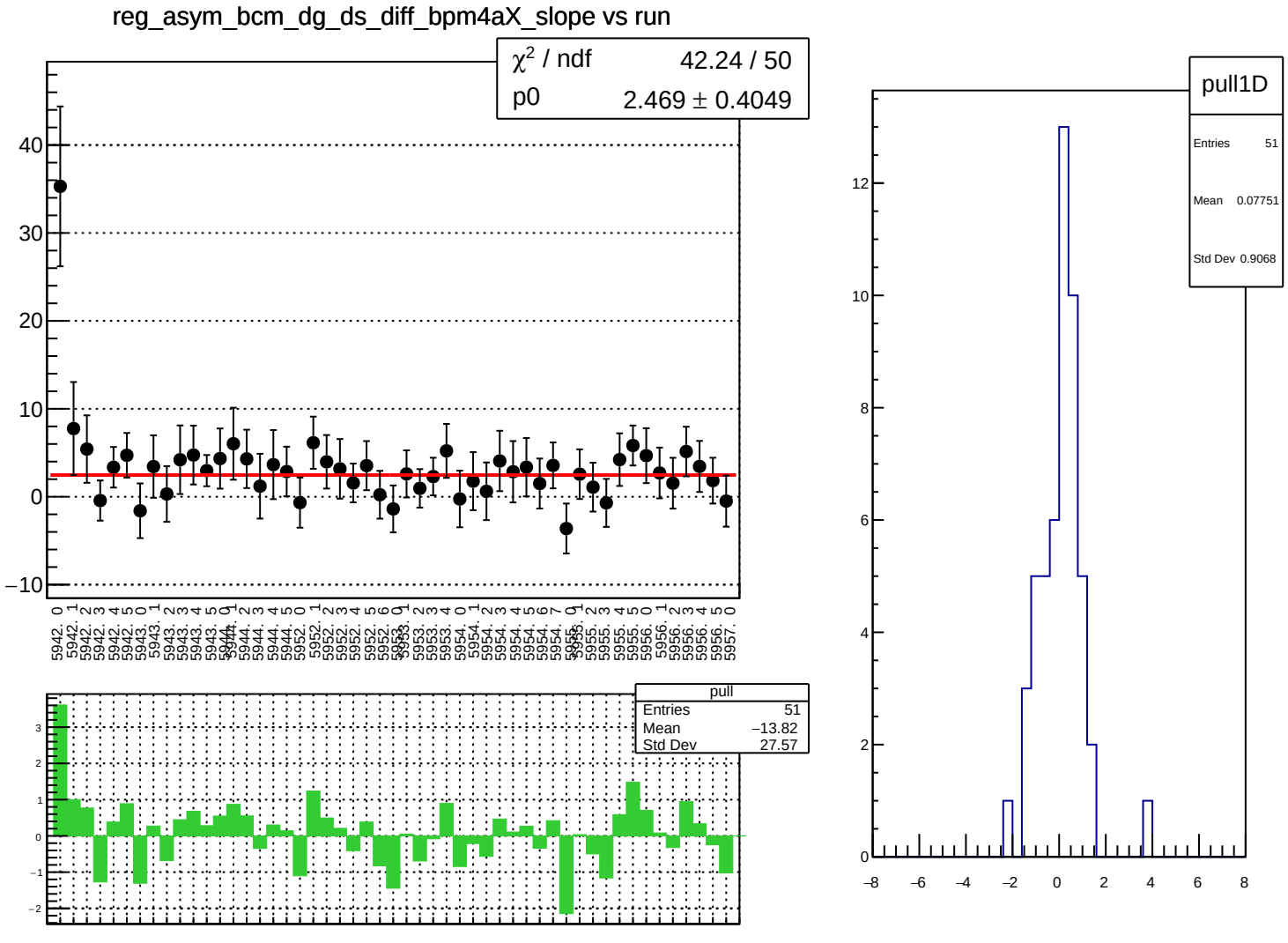

reg_asym_bcm_an_us_diff_bpm4aX_slope vs run
χ² / ndf 43.71 / 50
p0 2.18 ± 0.3961
pull
Entries 51
Mean −26.03
Std Dev 39.82
pull1D
Entries 51
Mean 0.07172
Std Dev 0.923

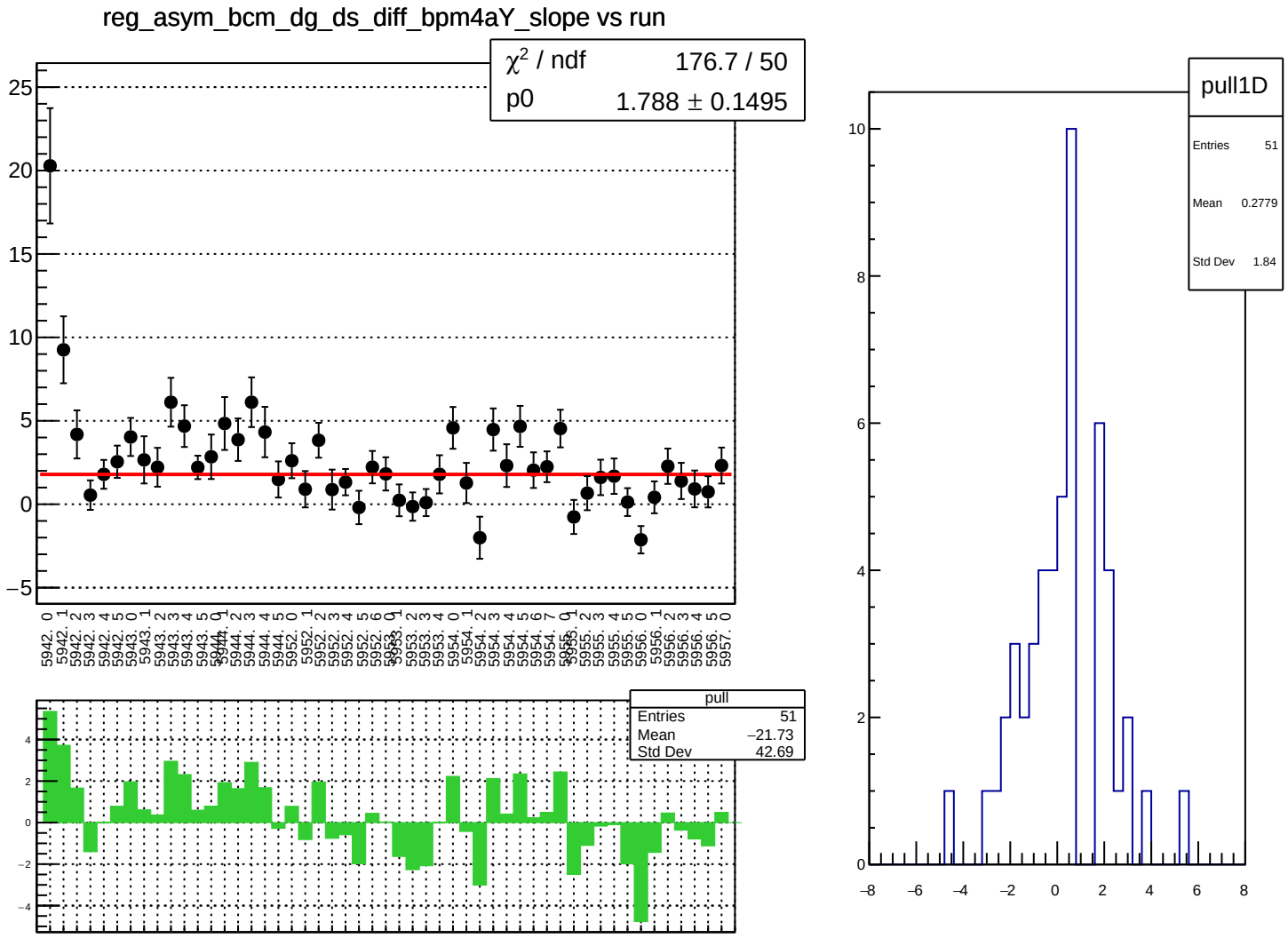

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 161.5 / 50
p0 1.791 ± 0.1463
pull
Entries 51
Mean −17.68
Std Dev 37.87
pull1D
Entries 51
Mean 0.2755
Std Dev 1.758

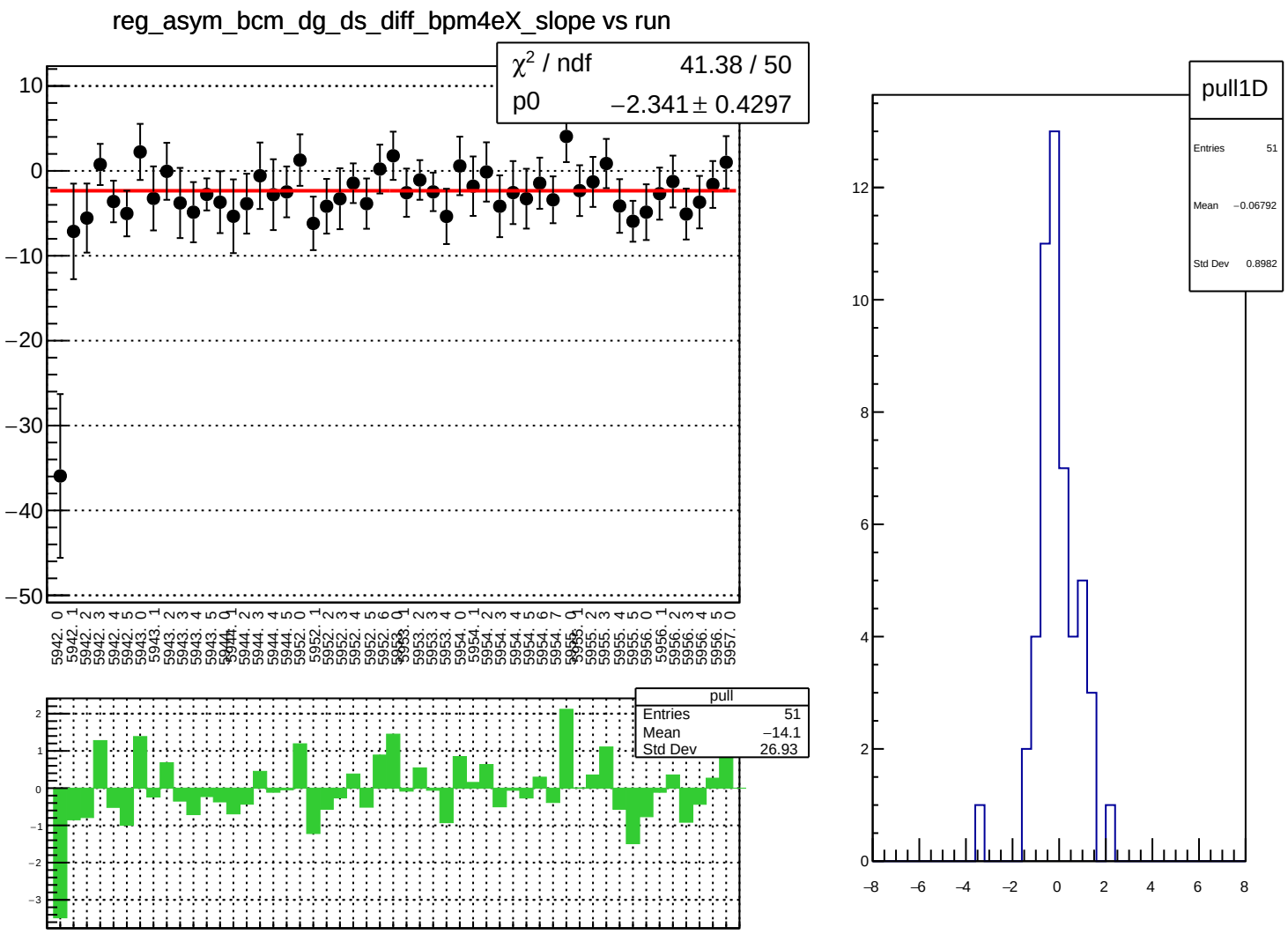

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 42.35 / 50
p0 −2.036 ± 0.4203
pull
Entries 51
Mean −27.71
Std Dev 40.72
pull1D
Entries 51
Mean −0.06277
Std Dev 0.9091

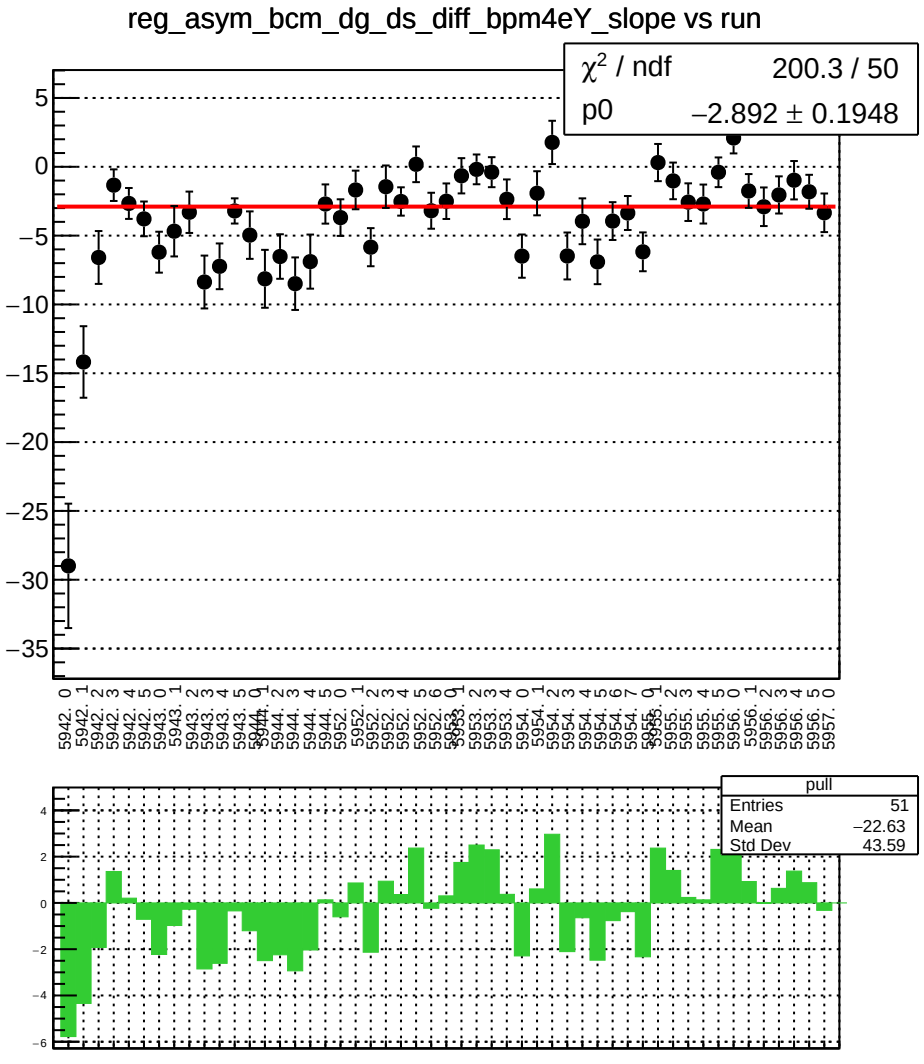

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 182.3 / 50
p0 −2.893 ± 0.1906
pull
Entries 51
Mean −19
Std Dev 39.32
pull1D
Entries 51
Mean −0.3
Std Dev 1.867

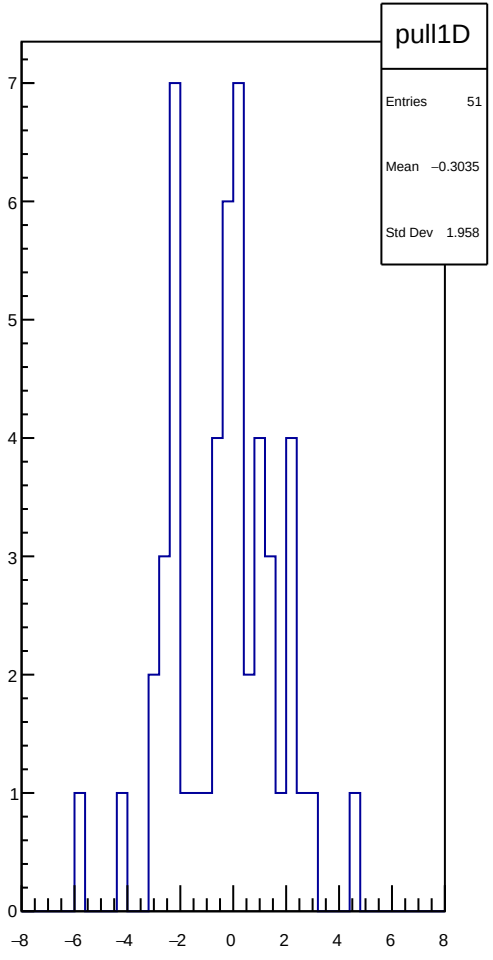

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 67.59 / 50
p0 0.2178 ± 0.01743
pull
Entries 51
Mean −13.91
Std Dev 34.94
pull1D
Entries 51
Mean 0.1413
Std Dev 1.142

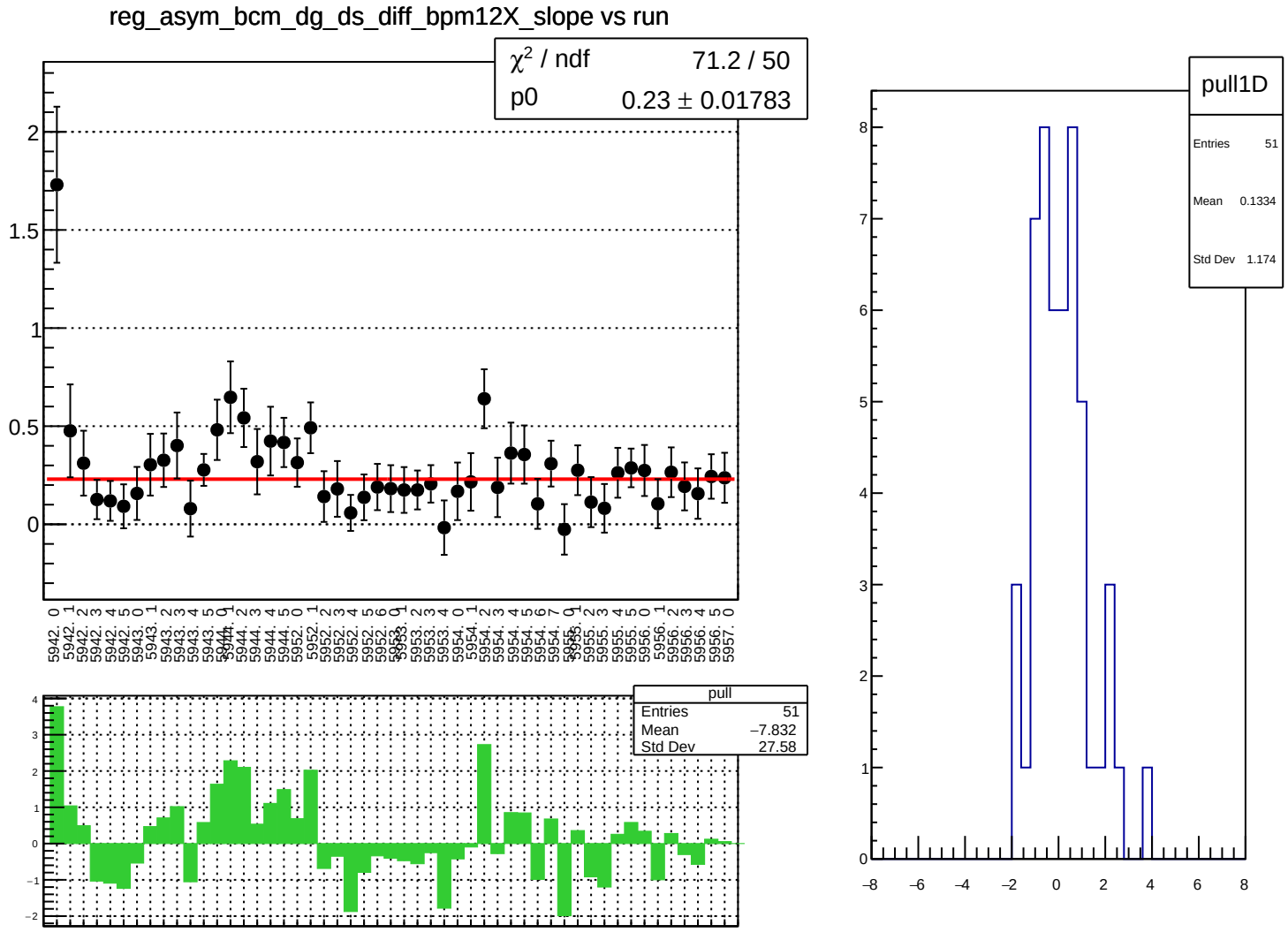

reg_asym_bcm_dg_ds_diff_bpm4aX_slope vs run
χ² / ndf 42.24 / 50
p0 2.469 ± 0.4049
pull
Entries 51
Mean −13.82
Std Dev 27.57
pull1D
Entries 51
Mean 0.07751
Std Dev 0.9068

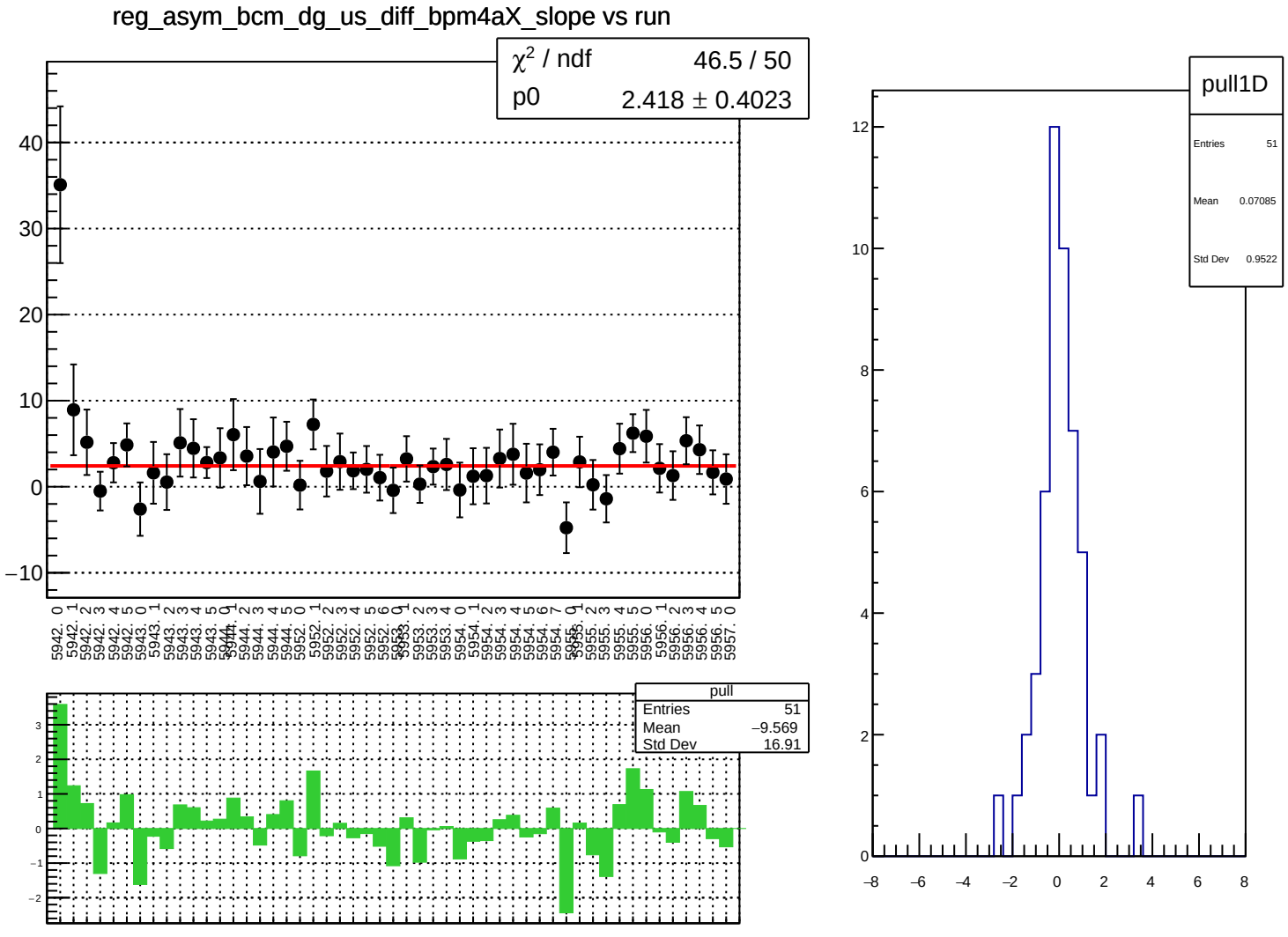

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 176.7 / 50
p0 1.788 ± 0.1495
pull
Entries 51
Mean −21.73
Std Dev 42.69
pull1D
Entries 51
Mean 0.2779
Std Dev 1.84

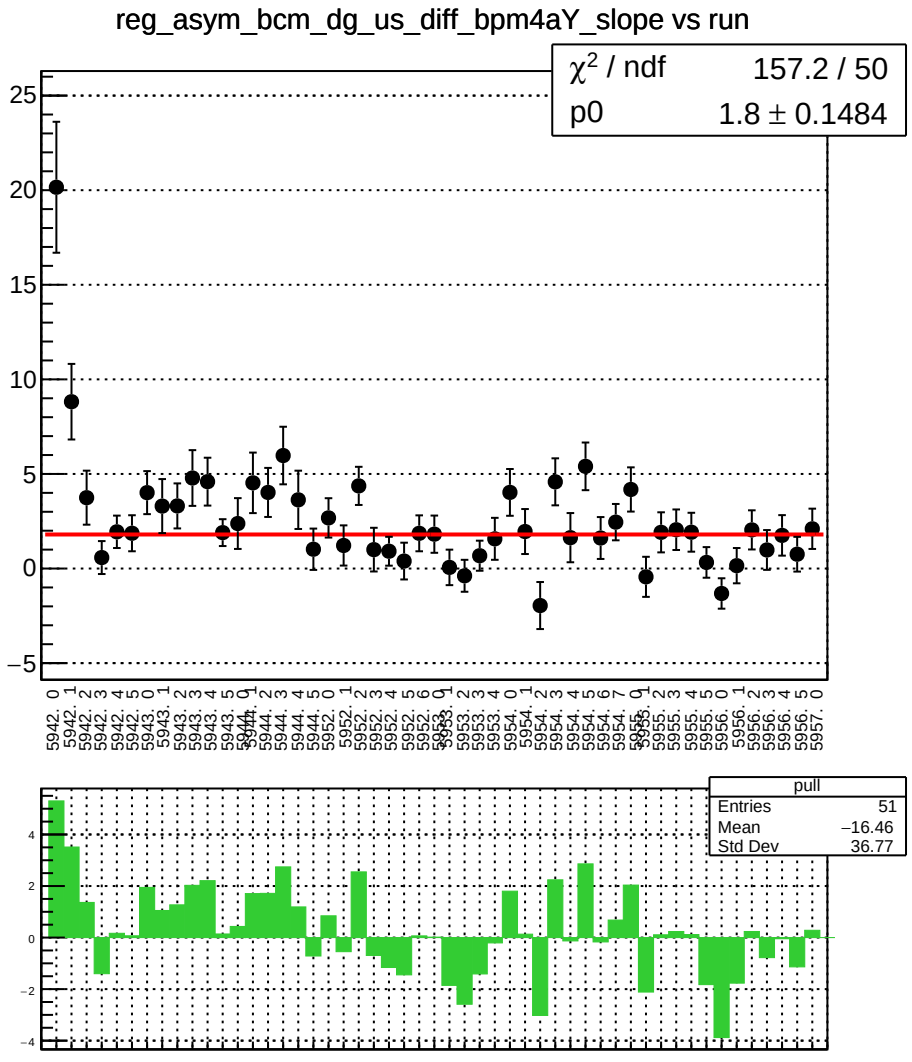

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 41.38 / 50
p0 −2.341 ± 0.4297
pull
Entries 51
Mean −14.1
Std Dev 26.93
pull1D
Entries 51
Mean −0.06792
Std Dev 0.8982

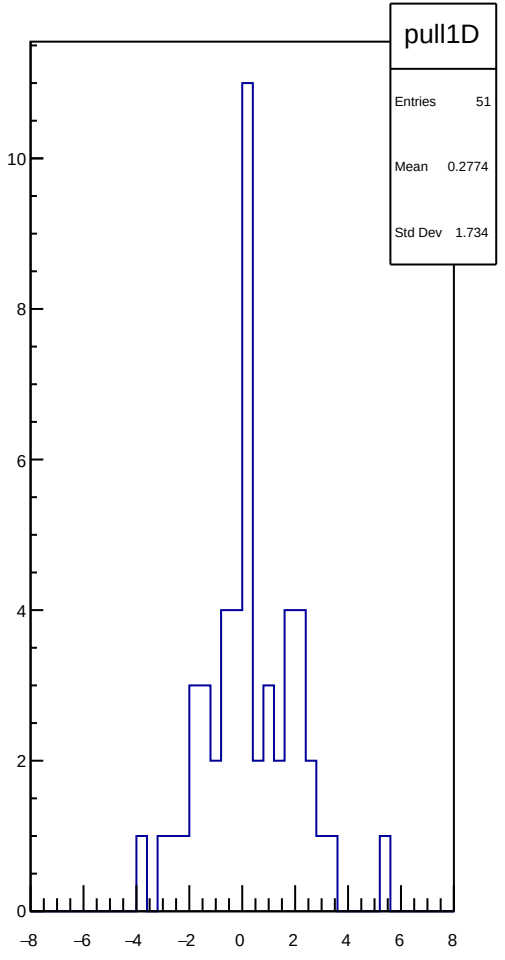

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 200.3 / 50
p0 −2.892 ± 0.1948
pull
Entries 51
Mean −22.63
Std Dev 43.59

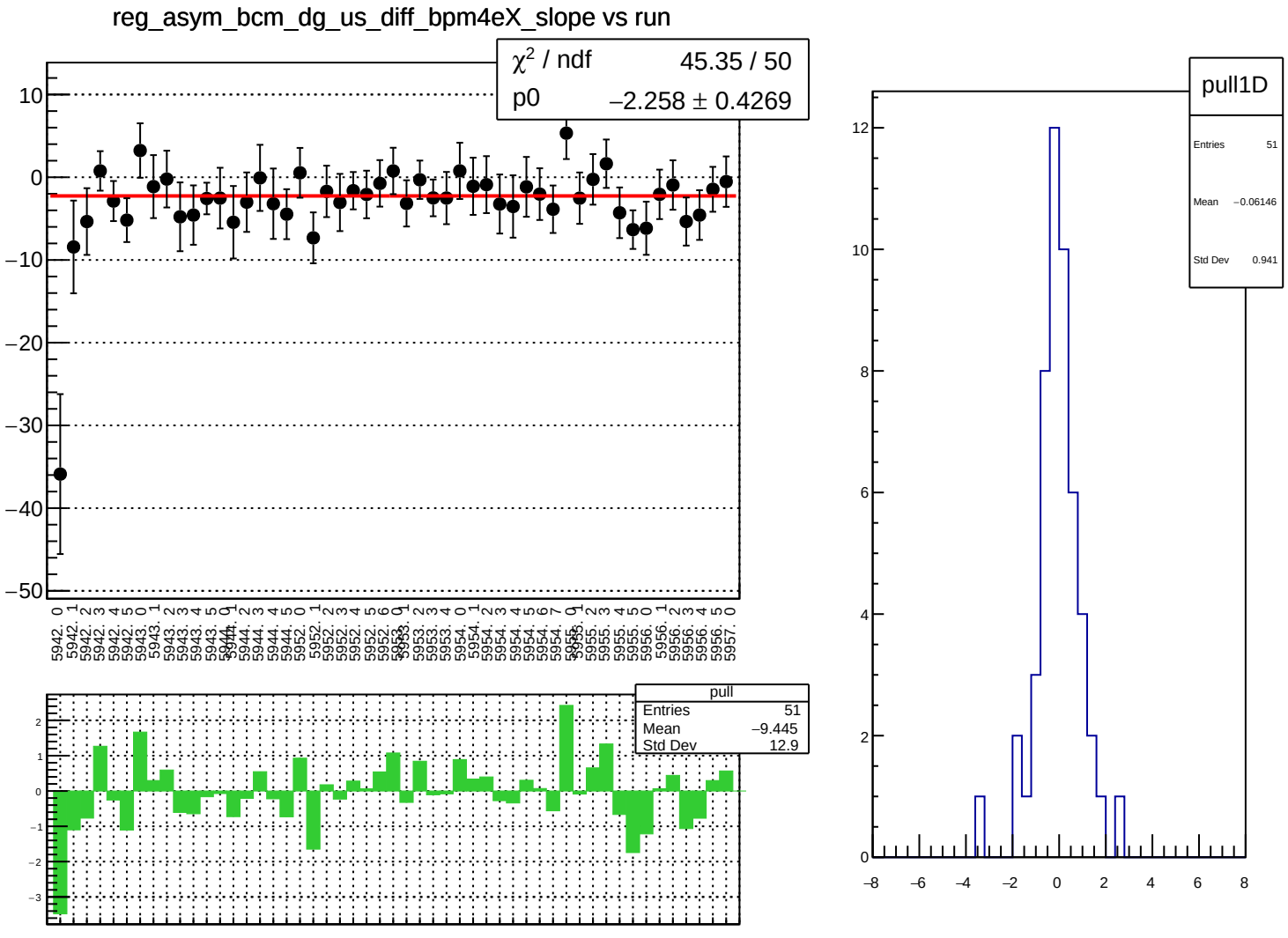

pull1D
Entries 51
Mean −0.3035
Std Dev 1.958

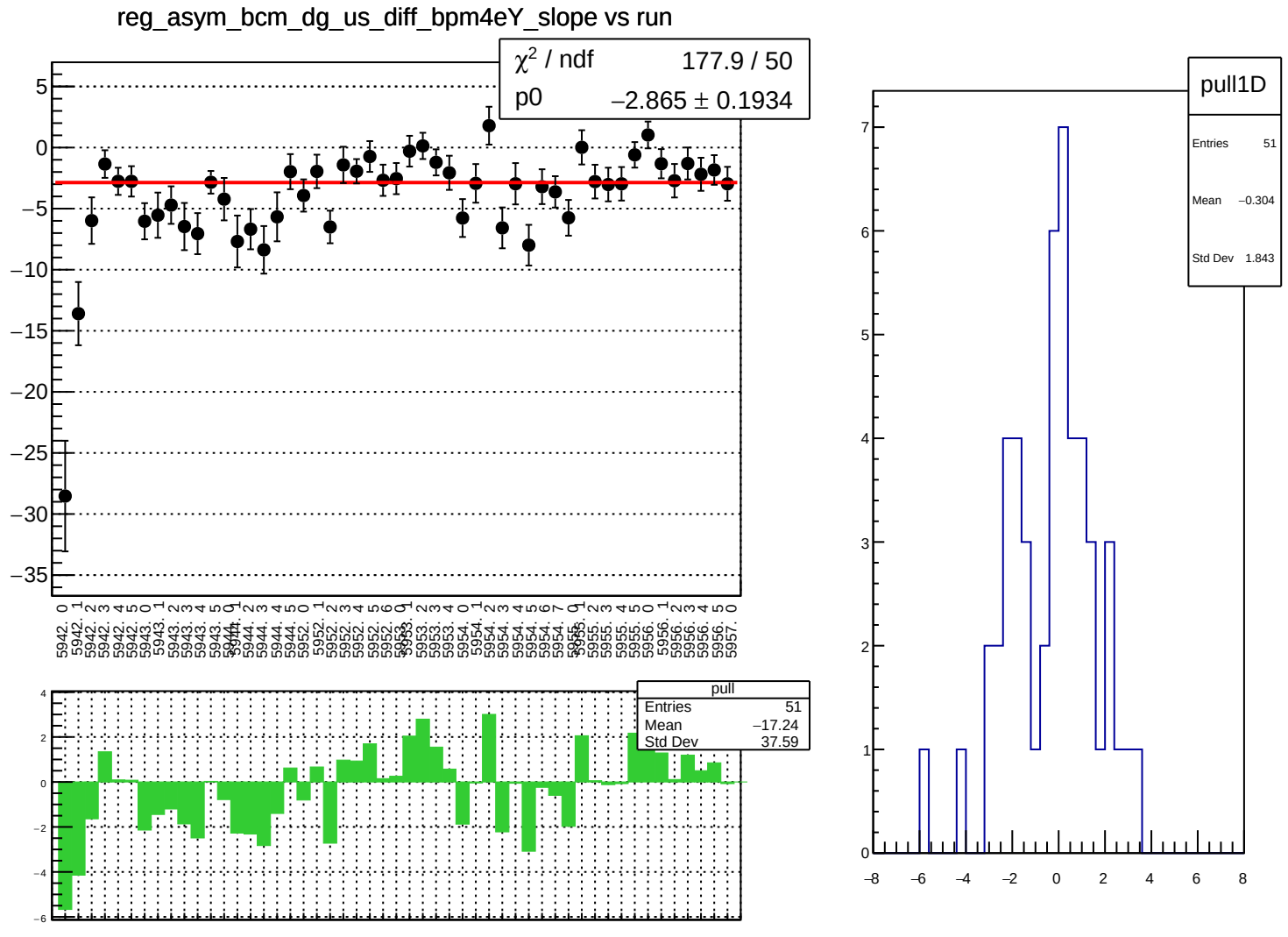

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 71.2 / 50
p0 0.23 ± 0.01783
pull
Entries 51
Mean −7.832
Std Dev 27.58
pull1D
Entries 51
Mean 0.1334
Std Dev 1.174

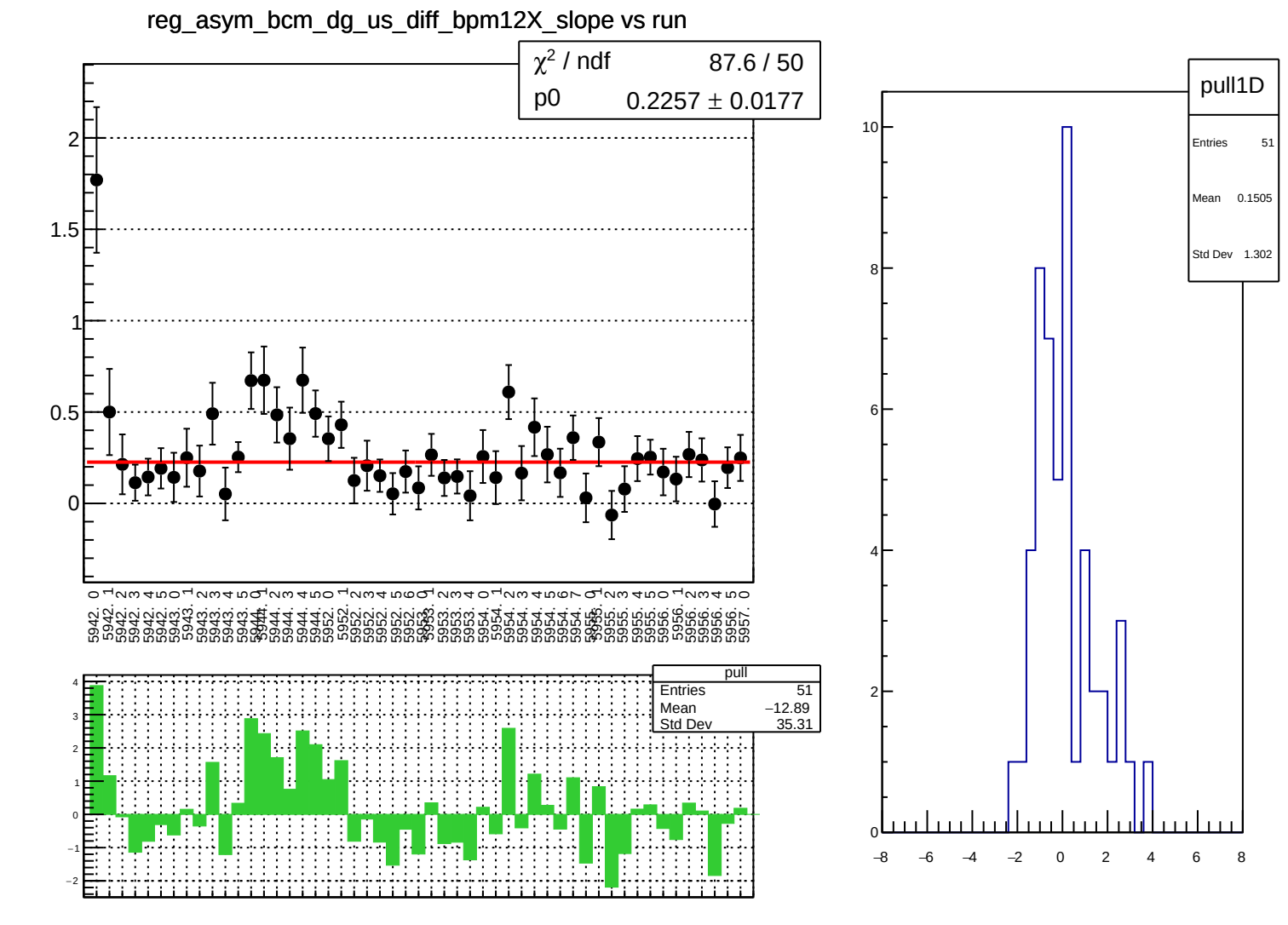

reg_asym_bcm_dg_us_diff_bpm4aX_slope vs run
χ² / ndf 46.5 / 50
p0 2.418 ± 0.4023
pull
Entries 51
Mean −9.569
Std Dev 16.91
pull1D
Entries 51
Mean 0.07085
Std Dev 0.9522


reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 157.2 / 50
p0 1.8 ± 0.1484
pull
Entries 51
Mean −16.46
Std Dev 36.77


pull1D
Entries 51
Mean 0.2774
Std Dev 1.734


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 45.35 / 50
p0 −2.258 ± 0.4269
pull
Entries 51
Mean −9.445
Std Dev 12.9
pull1D
Entries 51
Mean −0.06146
Std Dev 0.941


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 177.9 / 50
p0 −2.865 ± 0.1934
pull
Entries 51
Mean −17.24
Std Dev 37.59
pull1D
Entries 51
Mean −0.304
Std Dev 1.843


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 87.6 / 50
p0 0.2257 ± 0.0177
pull
Entries 51
Mean −12.89
Std Dev 35.31
pull1D
Entries 51
Mean 0.1505
Std Dev 1.302