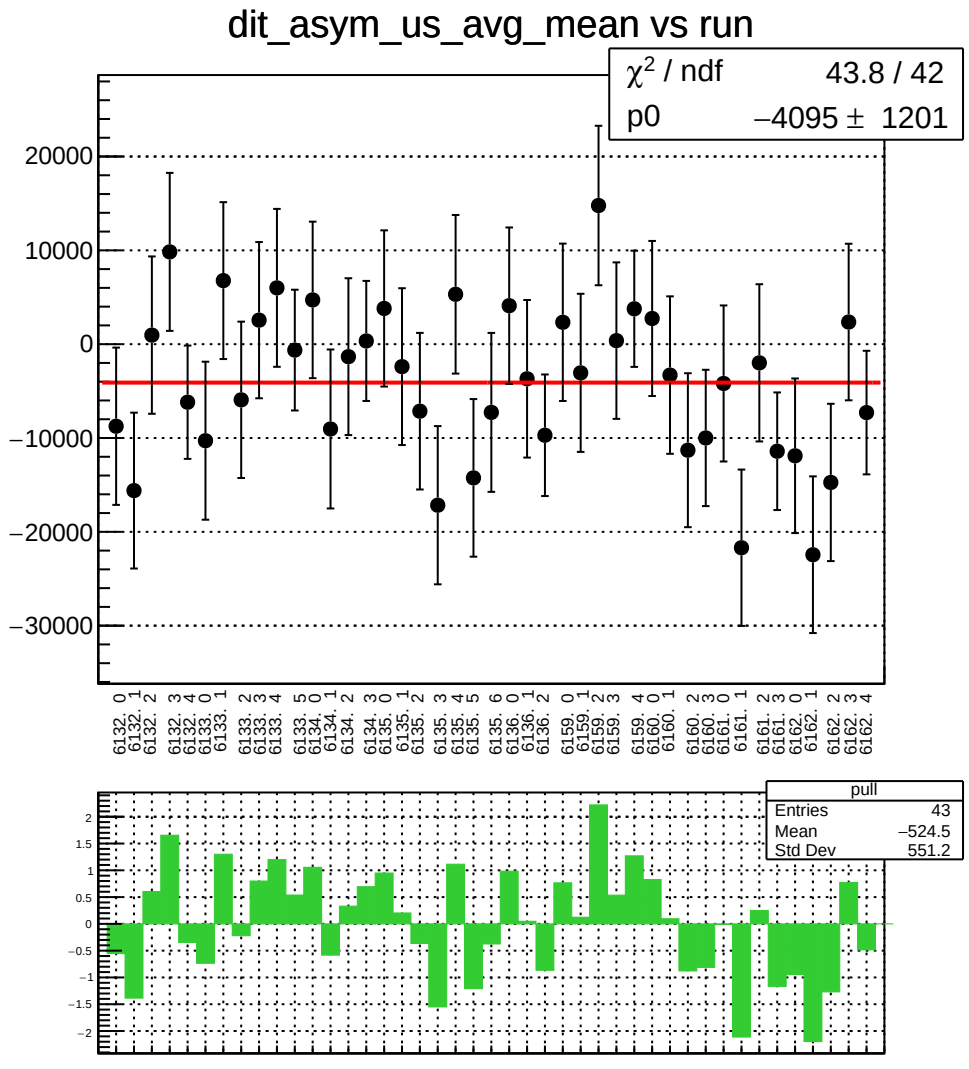
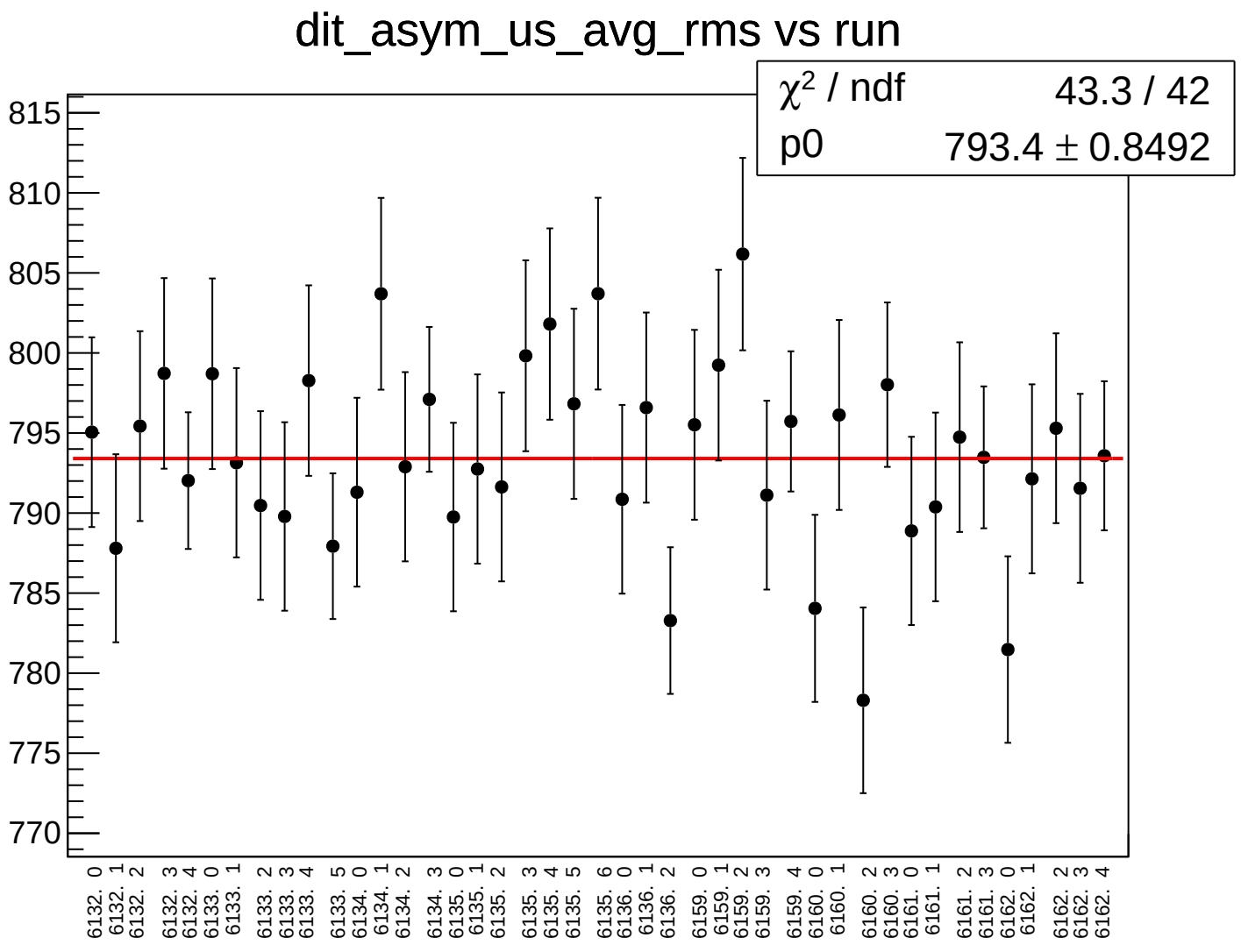
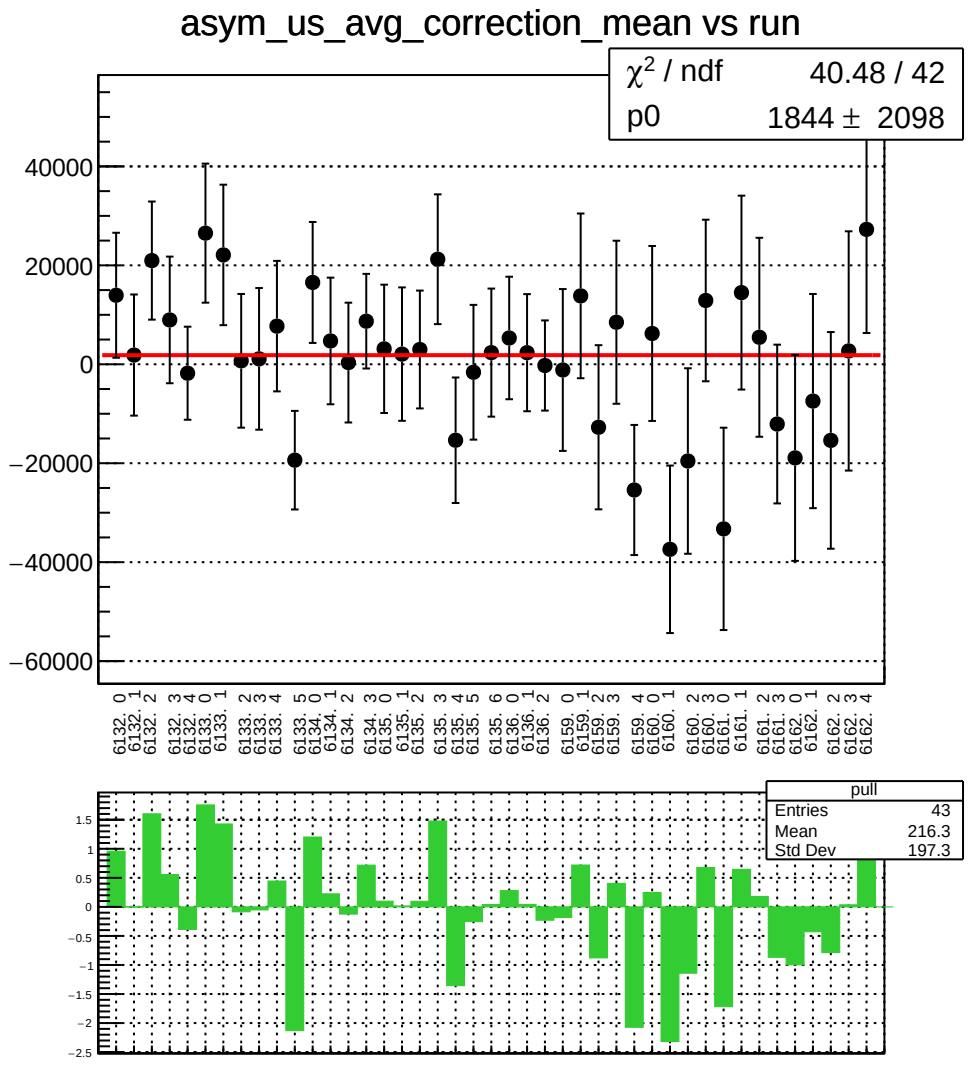
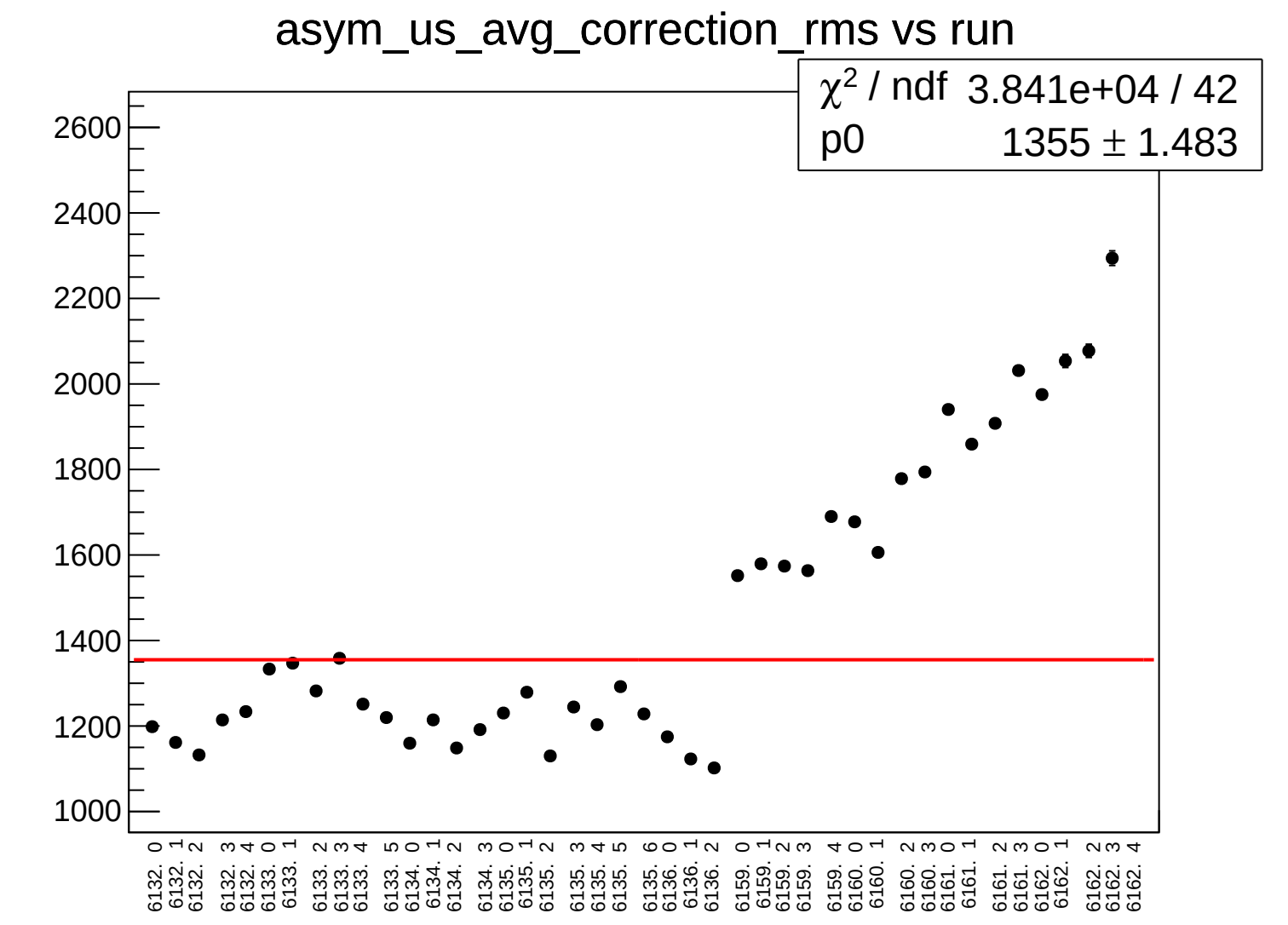
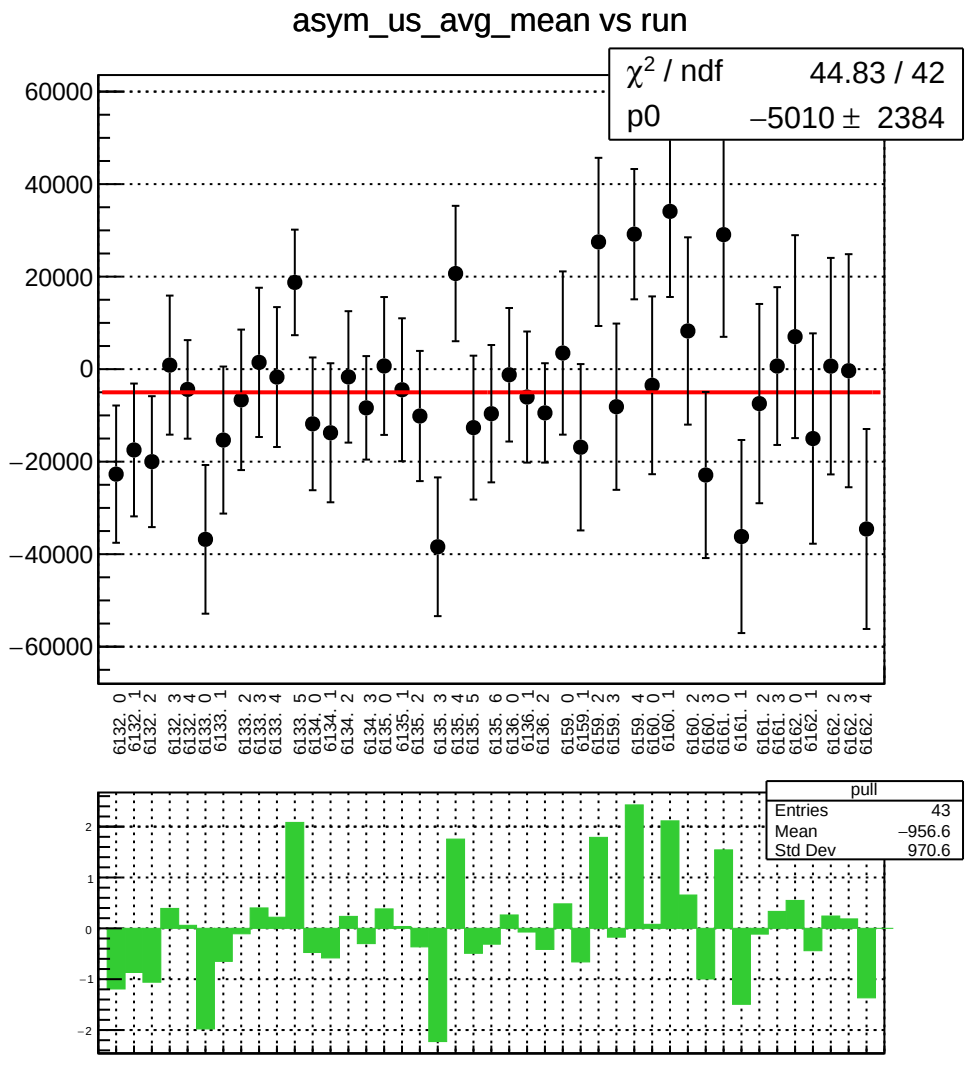
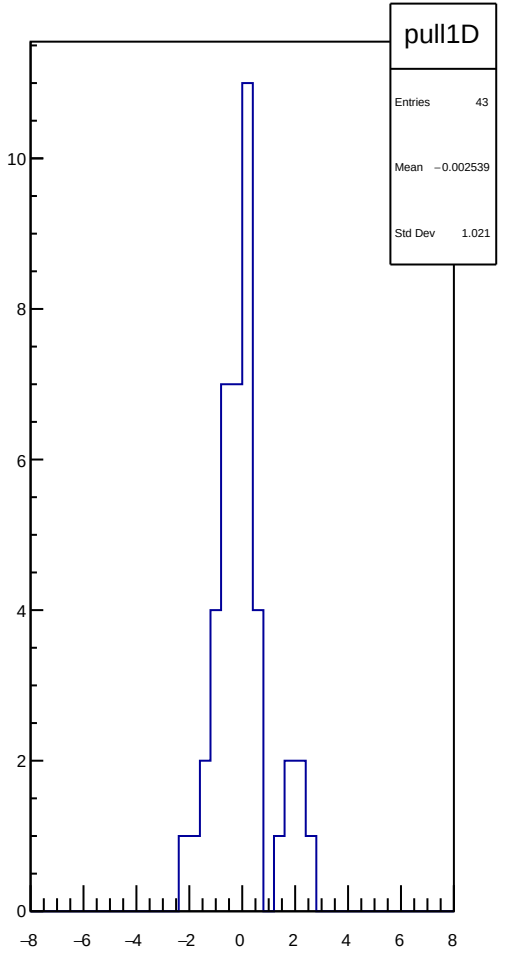

dit_asym_us_avg_mean vs run
χ² / ndf 43.8 / 42
p0 −4095 ± 1201
20000
10000
0
−10000
−20000
−30000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −524.5
Std Dev 551.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.00624
Std Dev 1.009
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

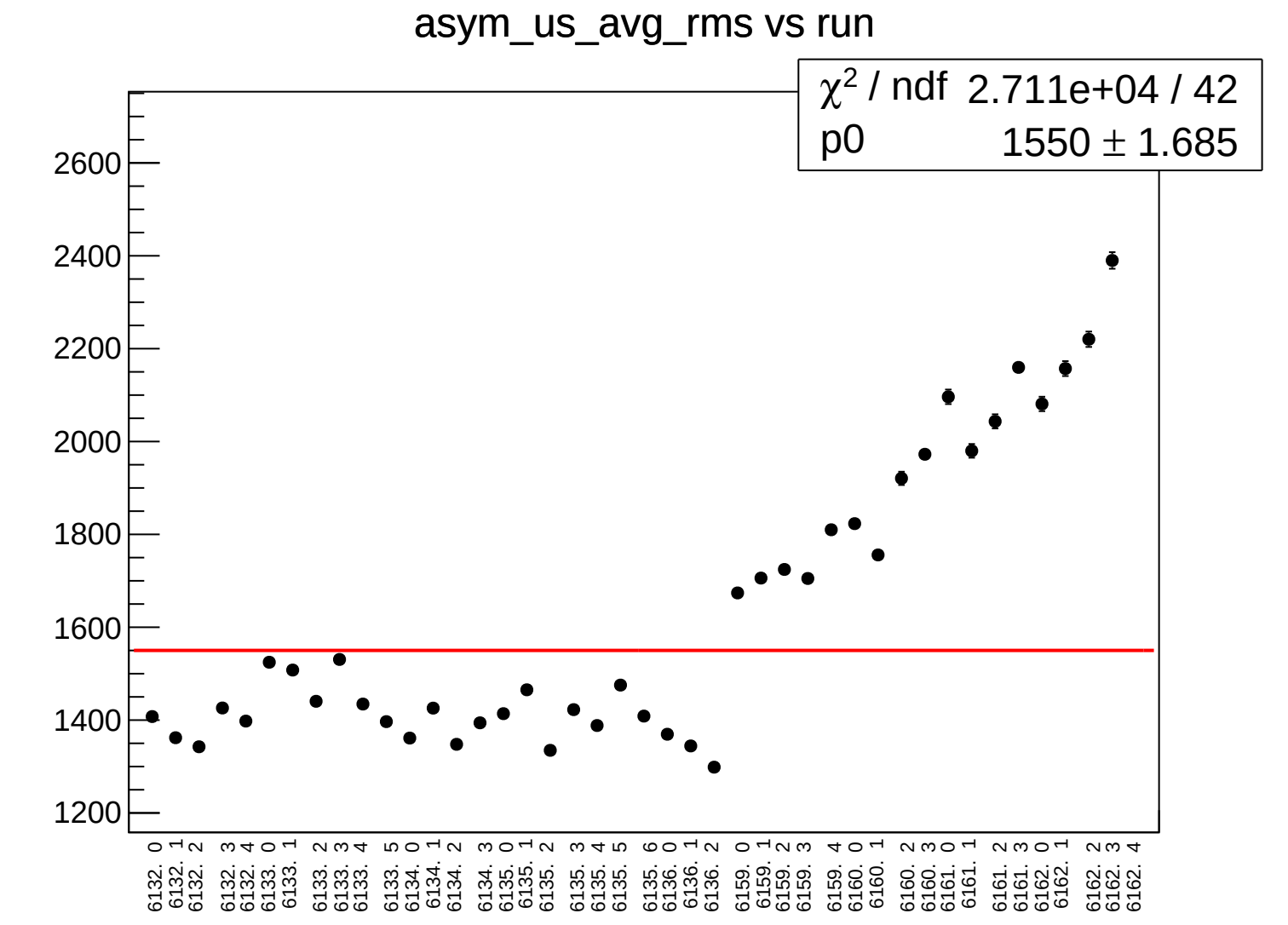

dit_asym_us_avg_rms vs run
χ² / ndf 43.3 / 42
p0 793.4 ± 0.8492
815
810
805
800
795
790
785
780
775
770
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

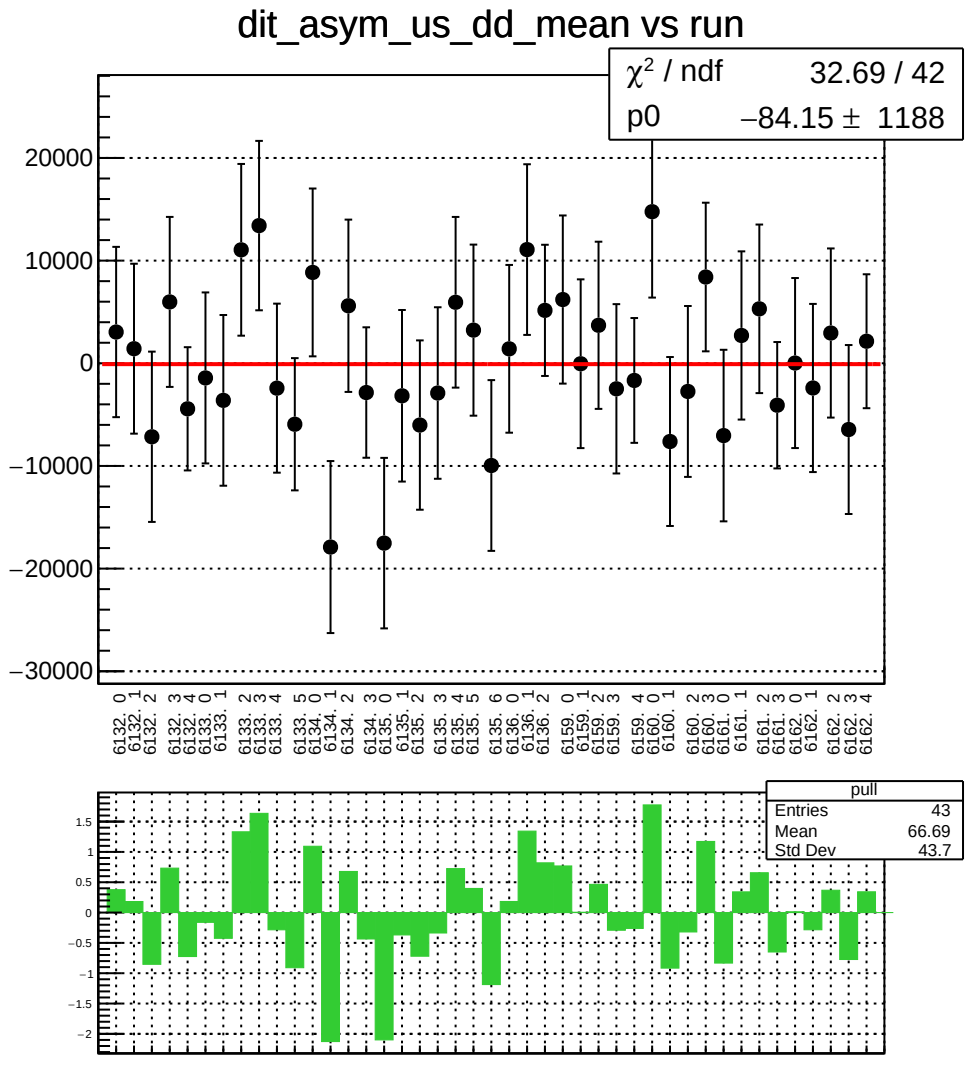

asym_us_avg_correction_mean vs run
χ² / ndf 40.48 / 42
p0 1844 ± 2098
40000
20000
0
−20000
−40000
−60000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 216.3
Std Dev 197.3
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean −0.02195
Std Dev 0.97
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

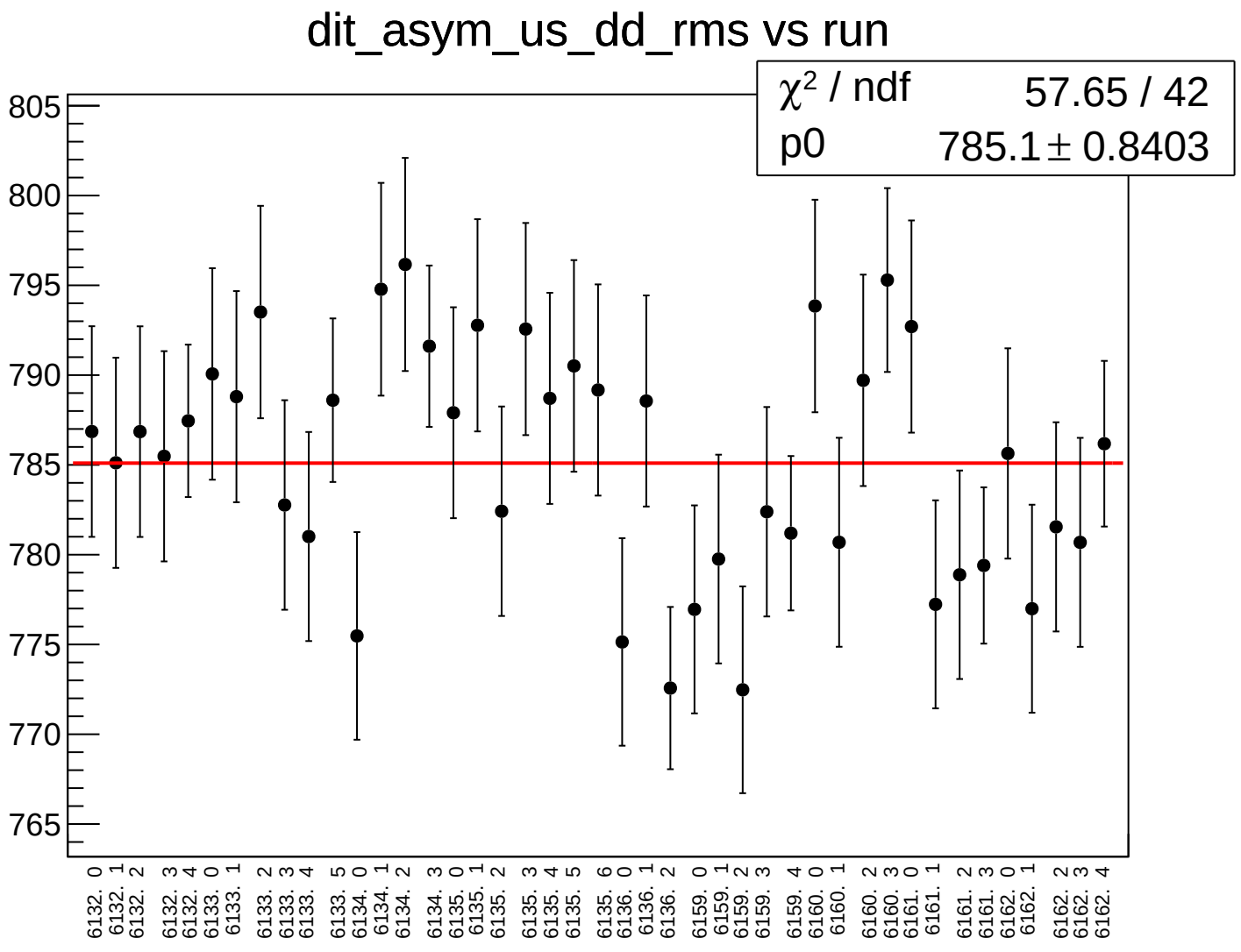

asym_us_avg_correction_rms vs run
χ² / ndf 3.841e+04 / 42
p0 1355 ± 1.483
2600
2400
2200
2000
1800
1600
1400
1200
1000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

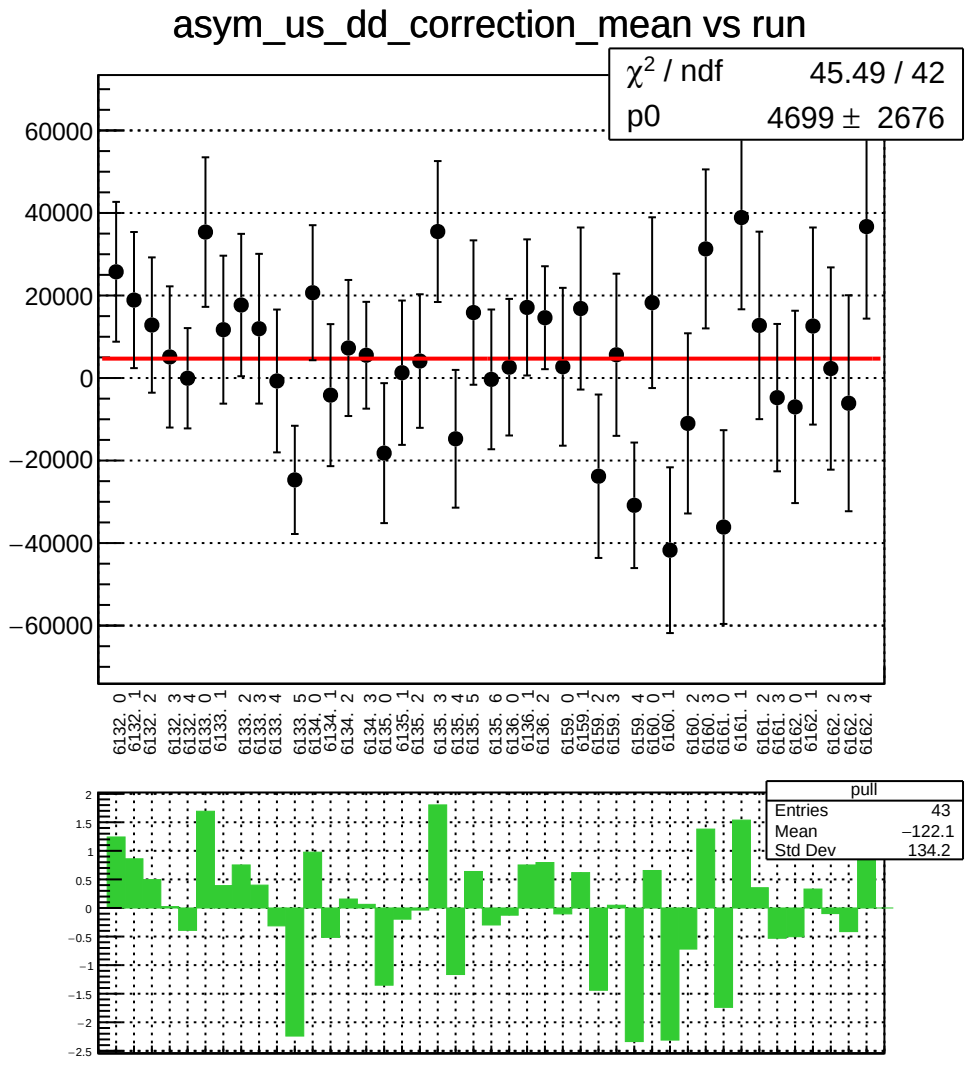

asym_us_avg_mean vs run
χ² / ndf 44.83 / 42
p0 −5010 ± 2384
60000
40000
20000
0
−20000
−40000
−60000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −956.6
Std Dev 970.6
2
1
0
−1
−2

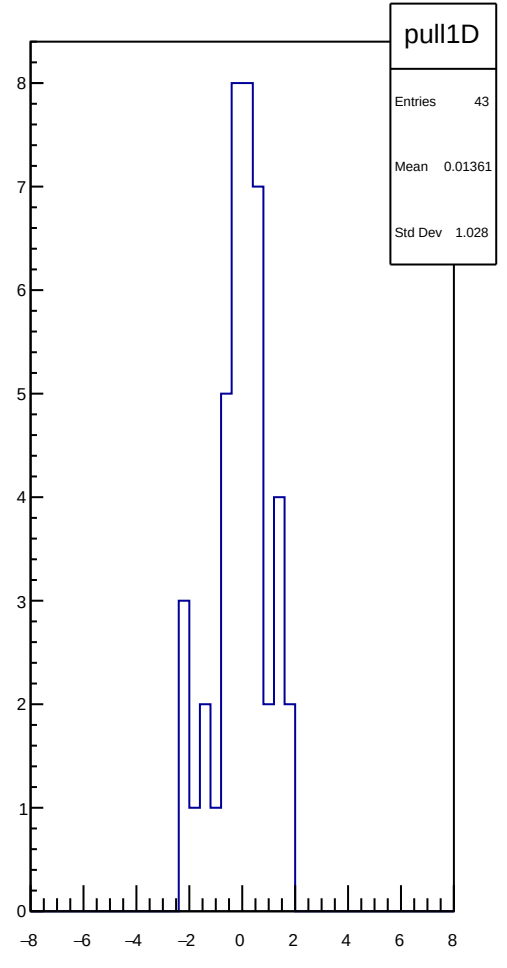

pull1D
Entries 43
Mean −0.002539
Std Dev 1.021
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

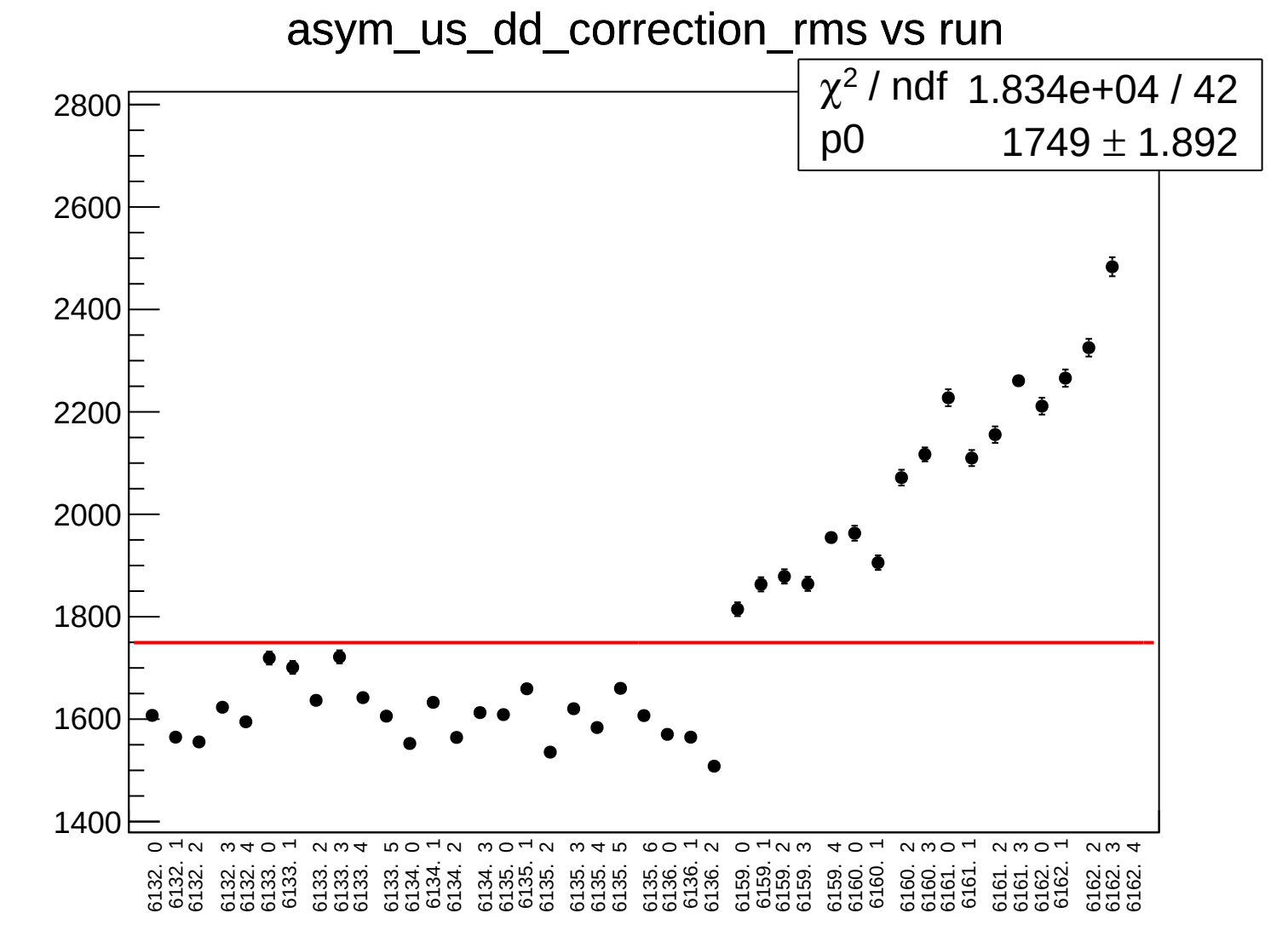

asym_us_avg_rms vs run
χ² / ndf 2.711e+04 / 42
p0 1550 ± 1.685
2600
2400
2200
2000
1800
1600
1400
1200
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

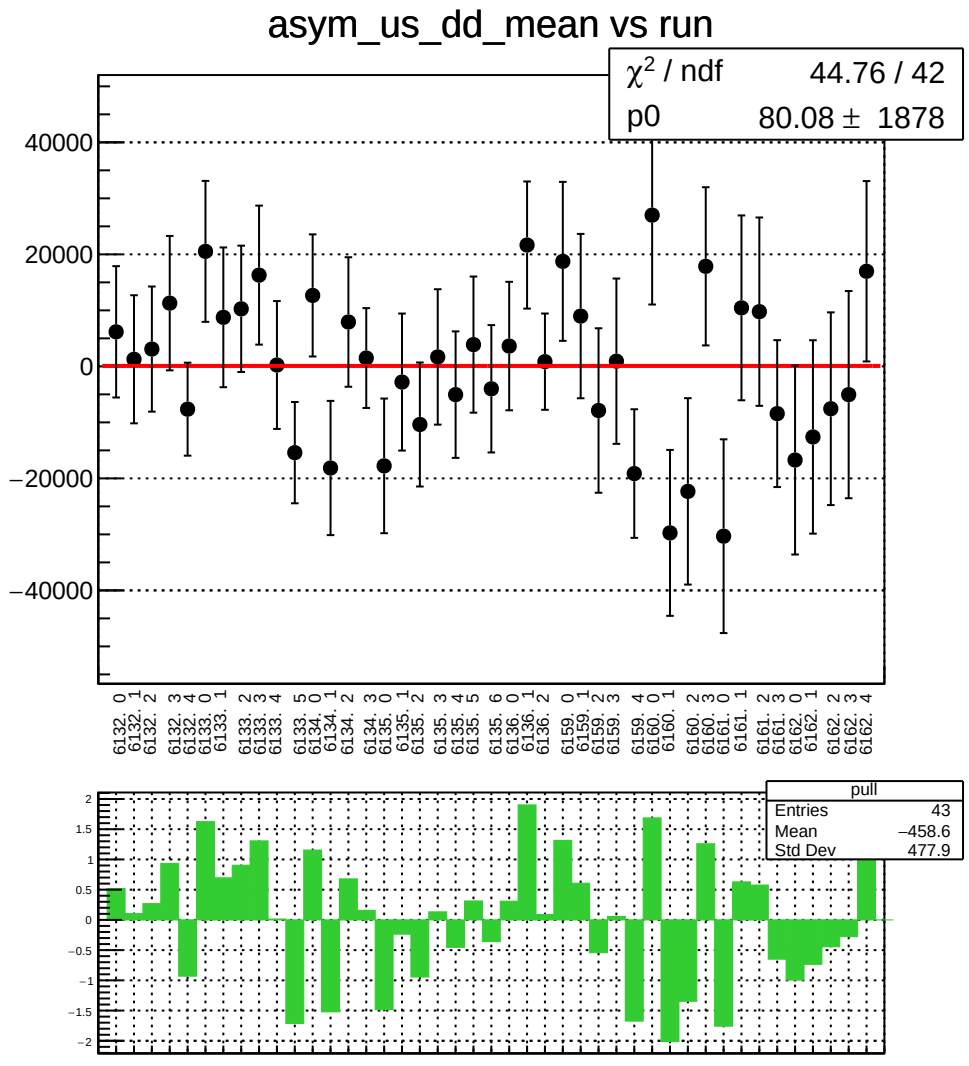

dit_asym_us_dd_mean vs run
χ² / ndf 32.69 / 42
p0 −84.15 ± 1188
20000
10000
0
−10000
−20000
−30000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 66.69
Std Dev 43.7
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.01041
Std Dev 0.8718
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

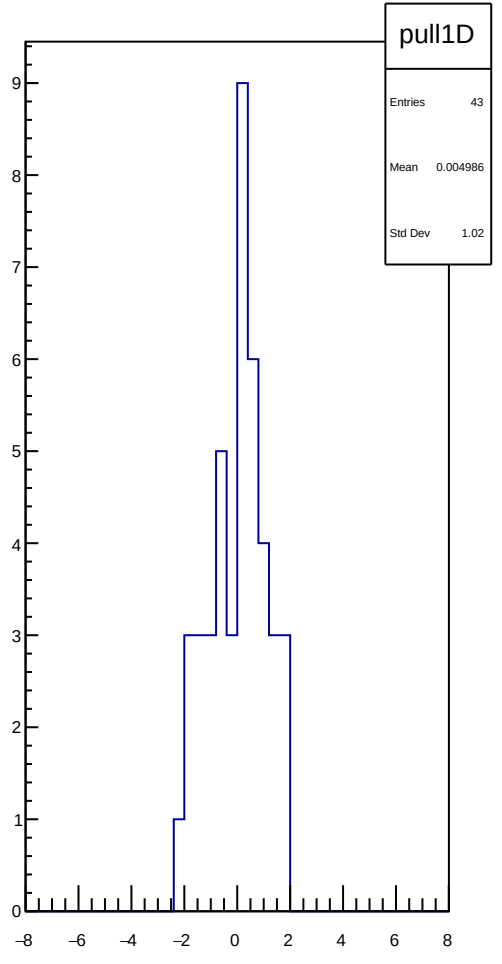

dit_asym_us_dd_rms vs run
χ² / ndf 57.65 / 42
p0 785.1 ± 0.8403
805
800
795
790
785
780
775
770
765
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

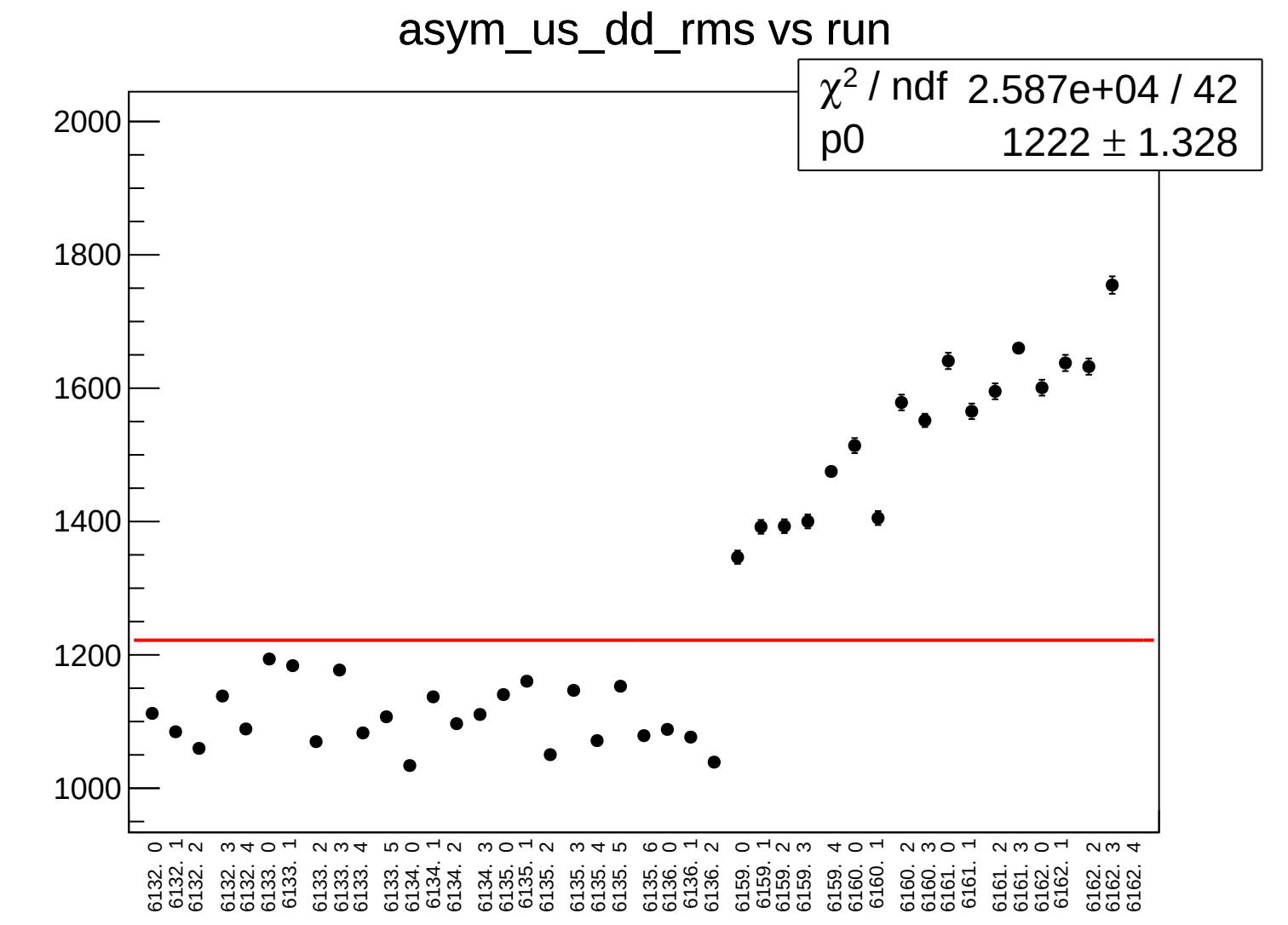

asym_us_dd_correction_mean vs run
χ² / ndf 45.49 / 42
p0 4699 ± 2676
60000
40000
20000
0
−20000
−40000
−60000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −122.1
Std Dev 134.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

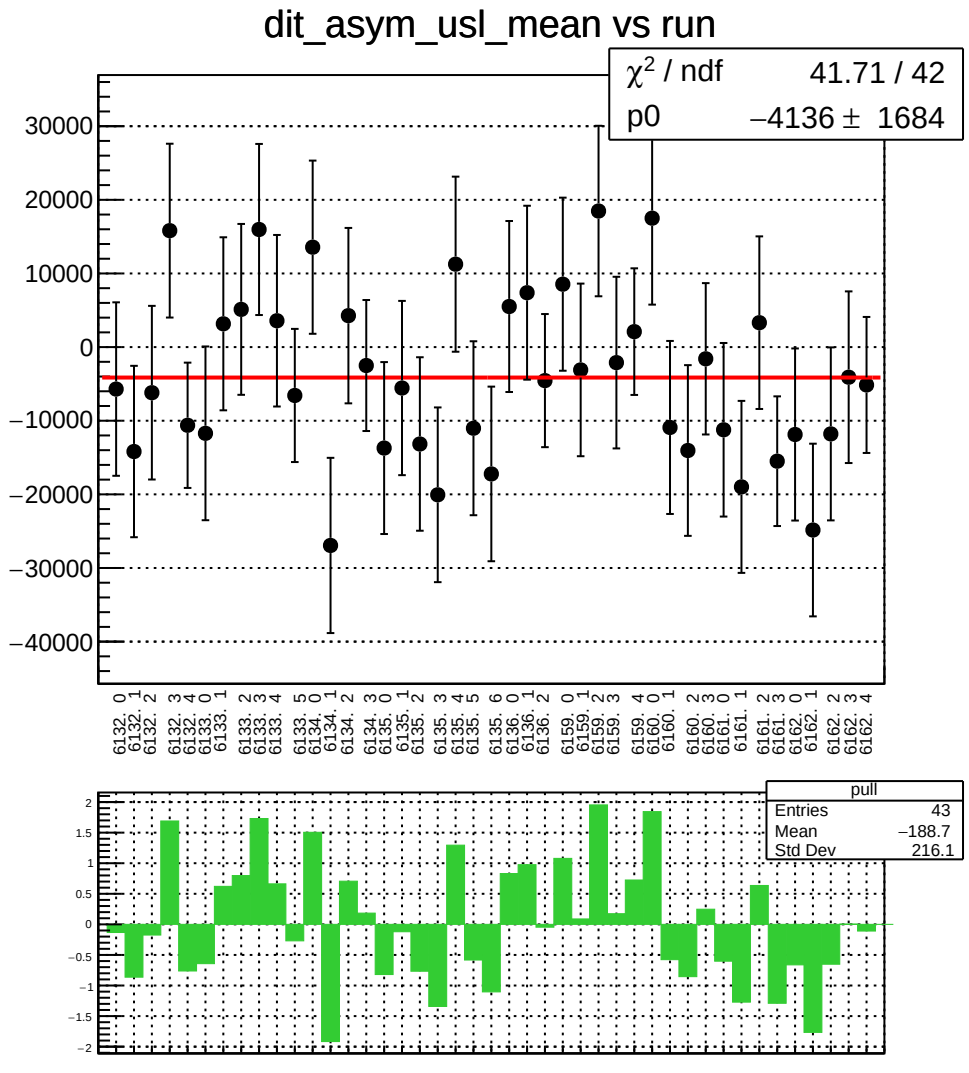

pull1D
Entries 43
Mean 0.01361
Std Dev 1.028
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

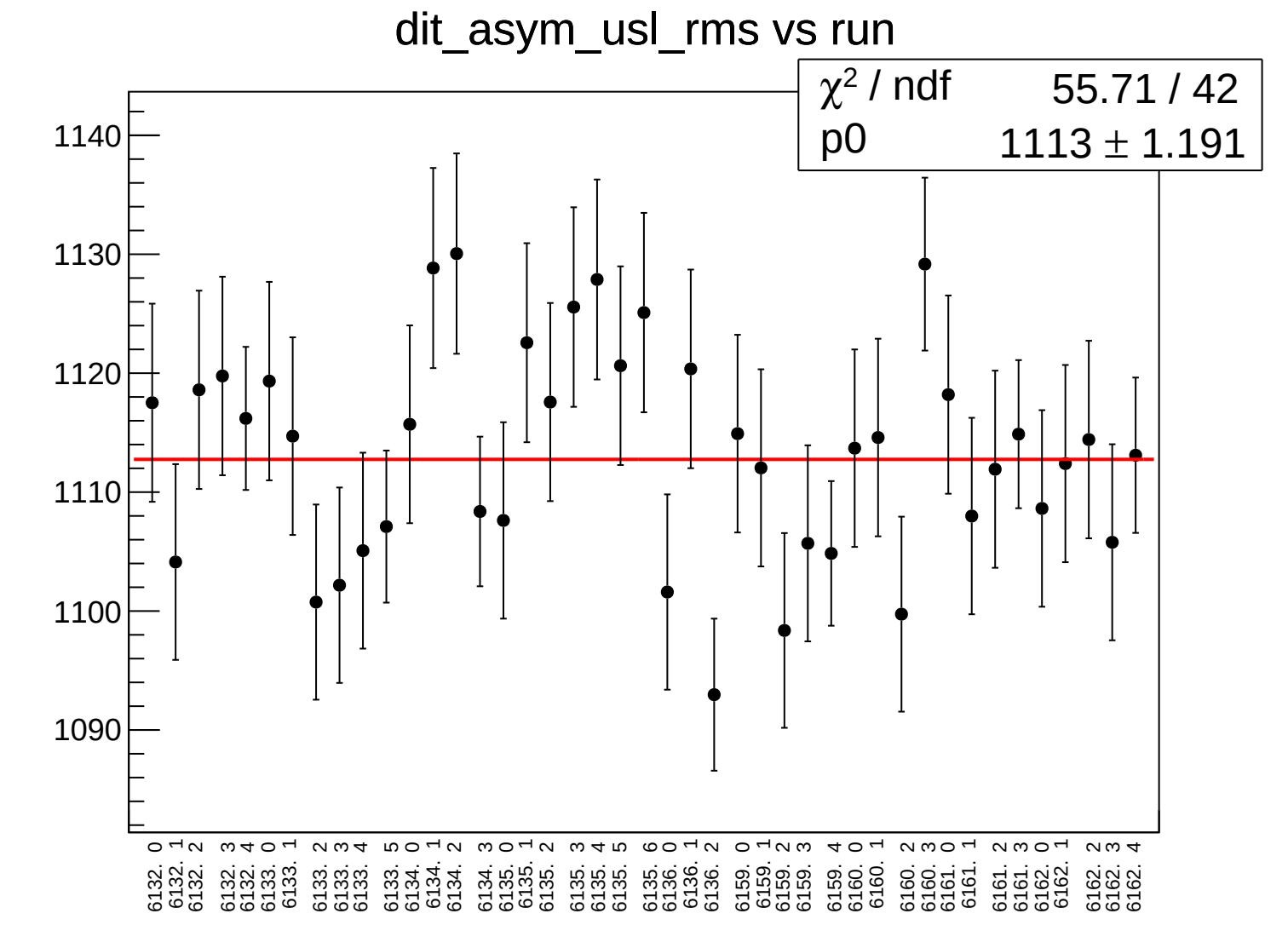

asym_us_dd_correction_rms vs run
χ² / ndf 1.834e+04 / 42
p0 1749 ± 1.892
2800
2600
2400
2200
2000
1800
1600
1400
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

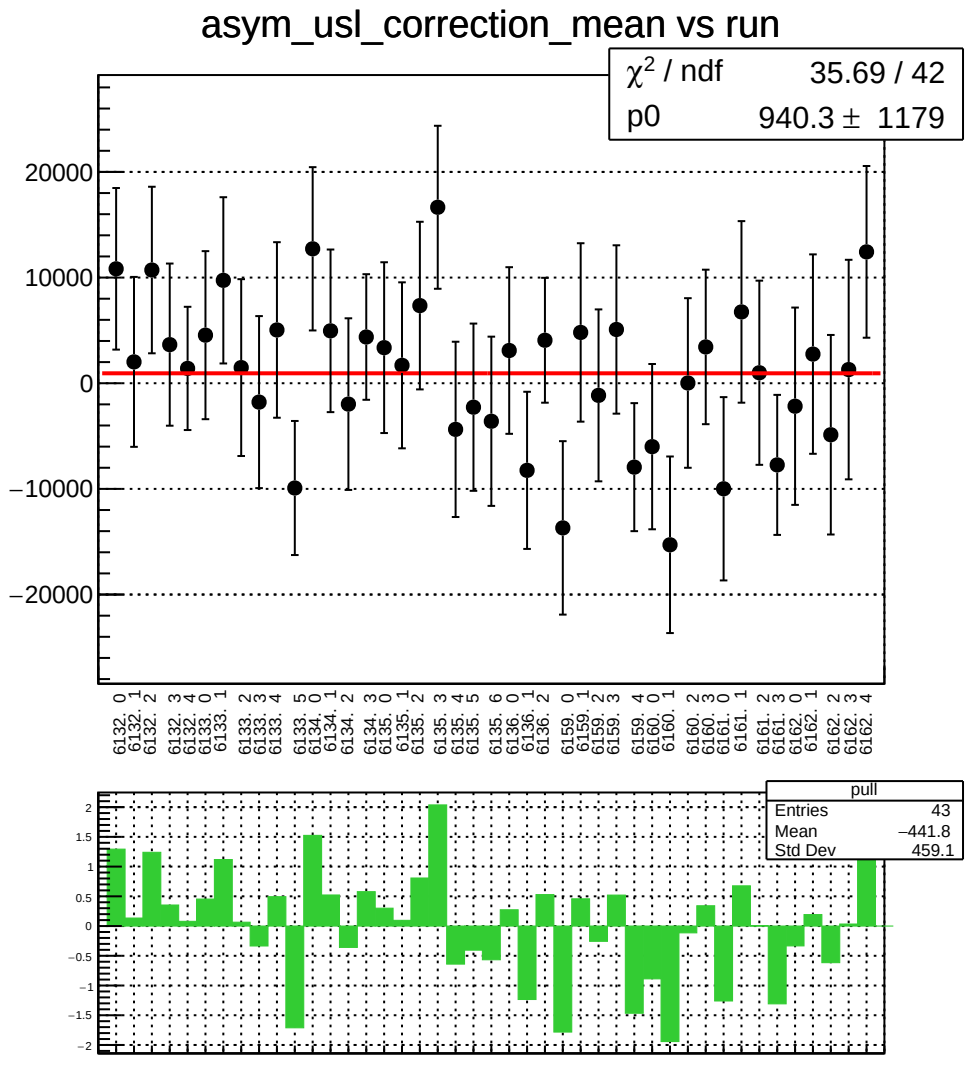

asym_us_dd_mean vs run
χ² / ndf 44.76 / 42
p0 80.08 ± 1878
40000
20000
0
−20000
−40000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −458.6
Std Dev 477.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

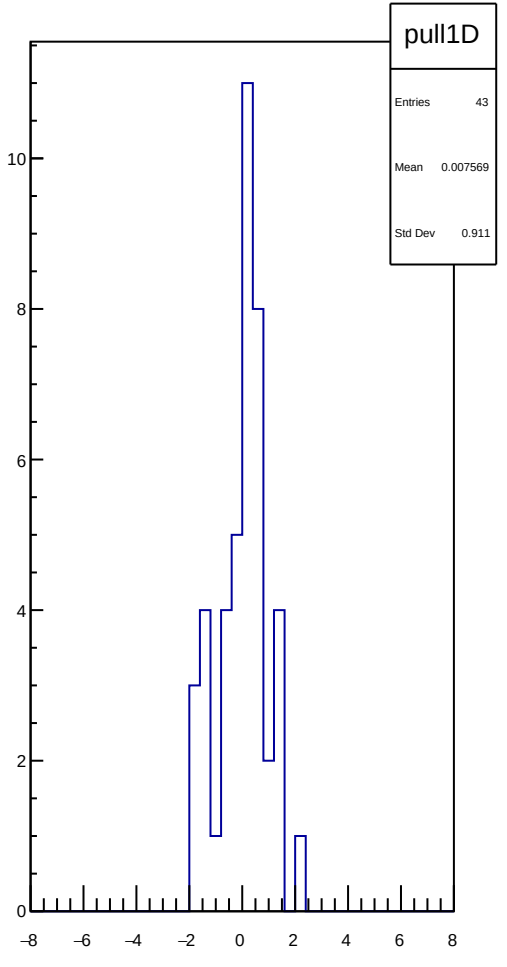

pull1D
Entries 43
Mean 0.004986
Std Dev 1.02
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

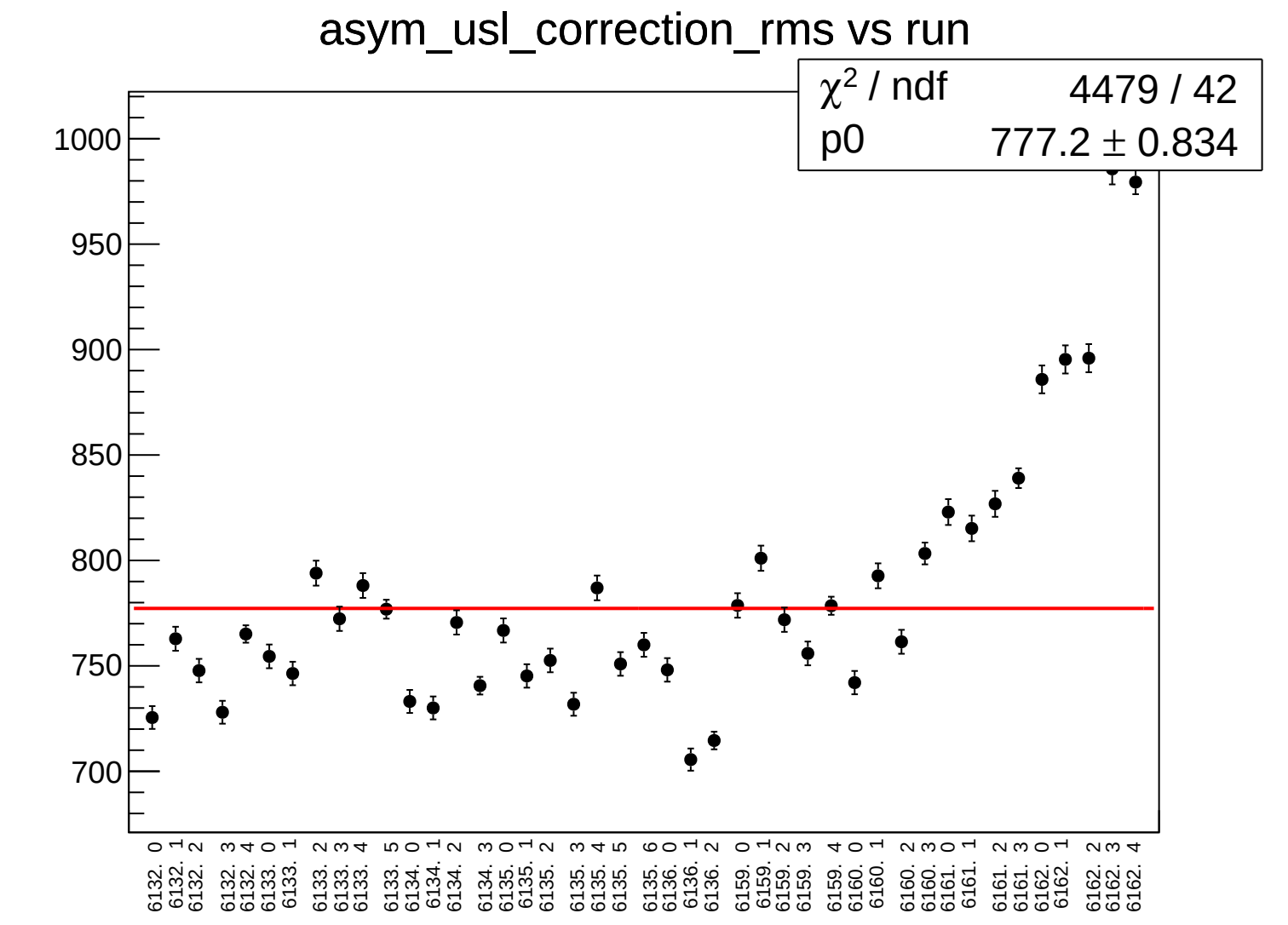

asym_us_dd_rms vs run
χ² / ndf 2.587e+04 / 42
p0 1222 ± 1.328
2000
1800
1600
1400
1200
1000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

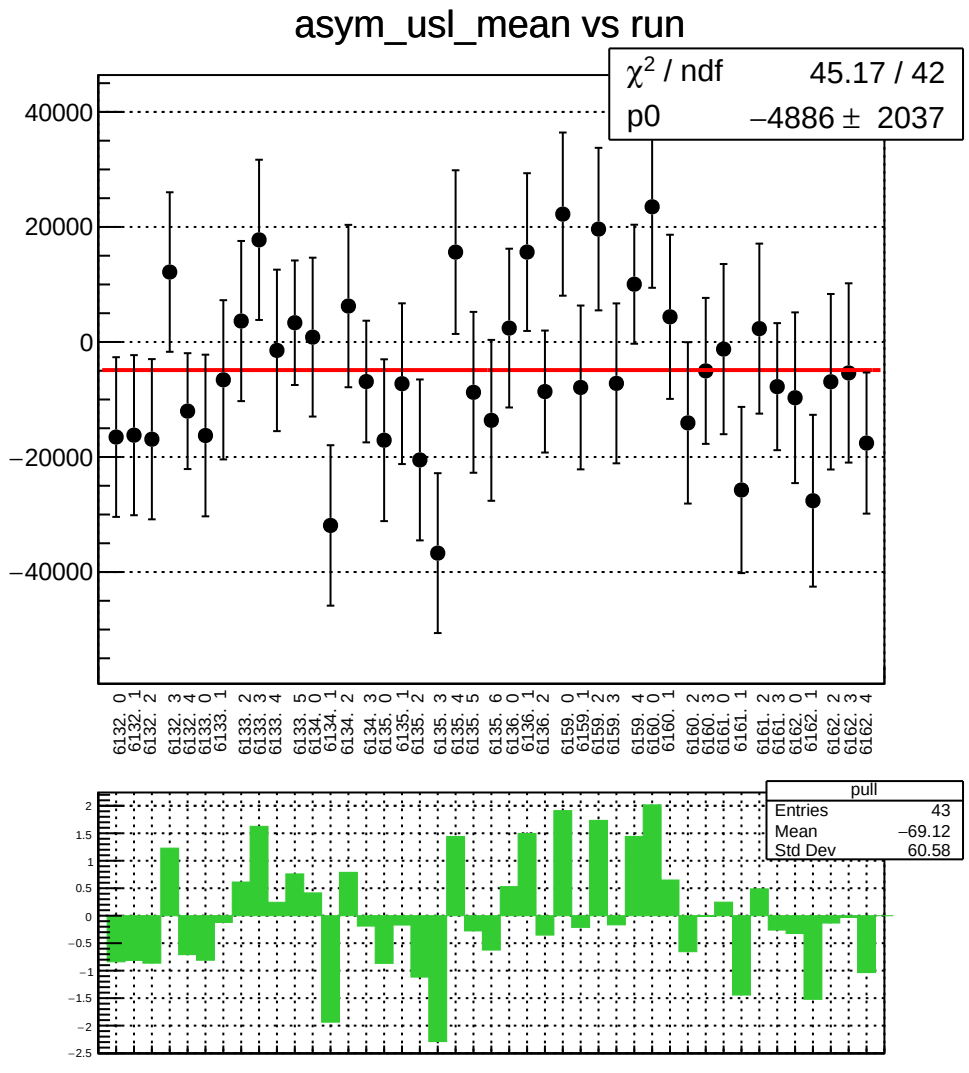

dit_asym_usl_mean vs run
χ² / ndf 41.71 / 42
p0 −4136 ± 1684
30000
20000
10000
0
−10000
−20000
−30000
−40000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −188.7
Std Dev 216.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.009928
Std Dev 0.9848
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

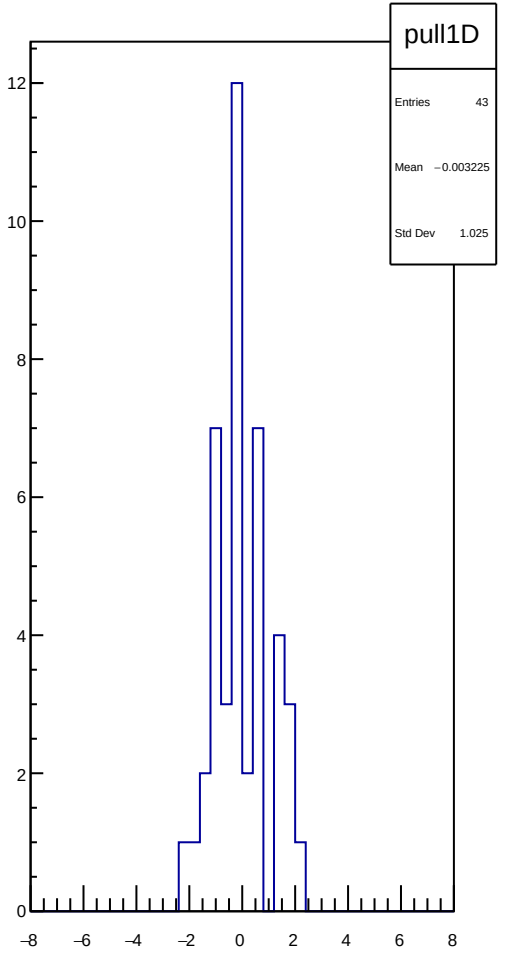

dit_asym_usl_rms vs run
χ² / ndf 55.71 / 42
p0 1113 ± 1.191
1140
1130
1120
1110
1100
1090
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

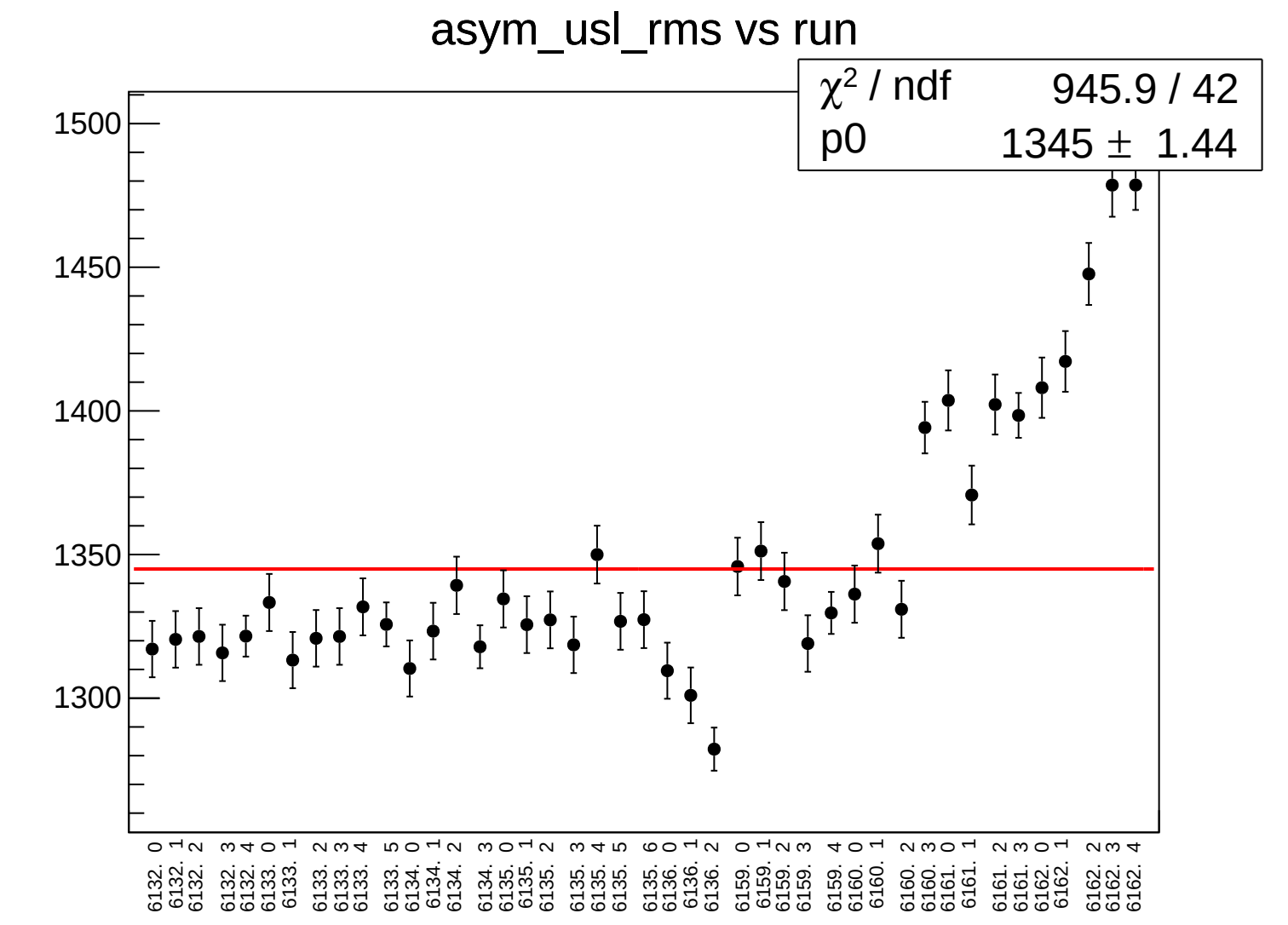

asym_usl_correction_mean vs run
χ² / ndf 35.69 / 42
p0 940.3 ± 1179
20000
10000
0
−10000
−20000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −441.8
Std Dev 459.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

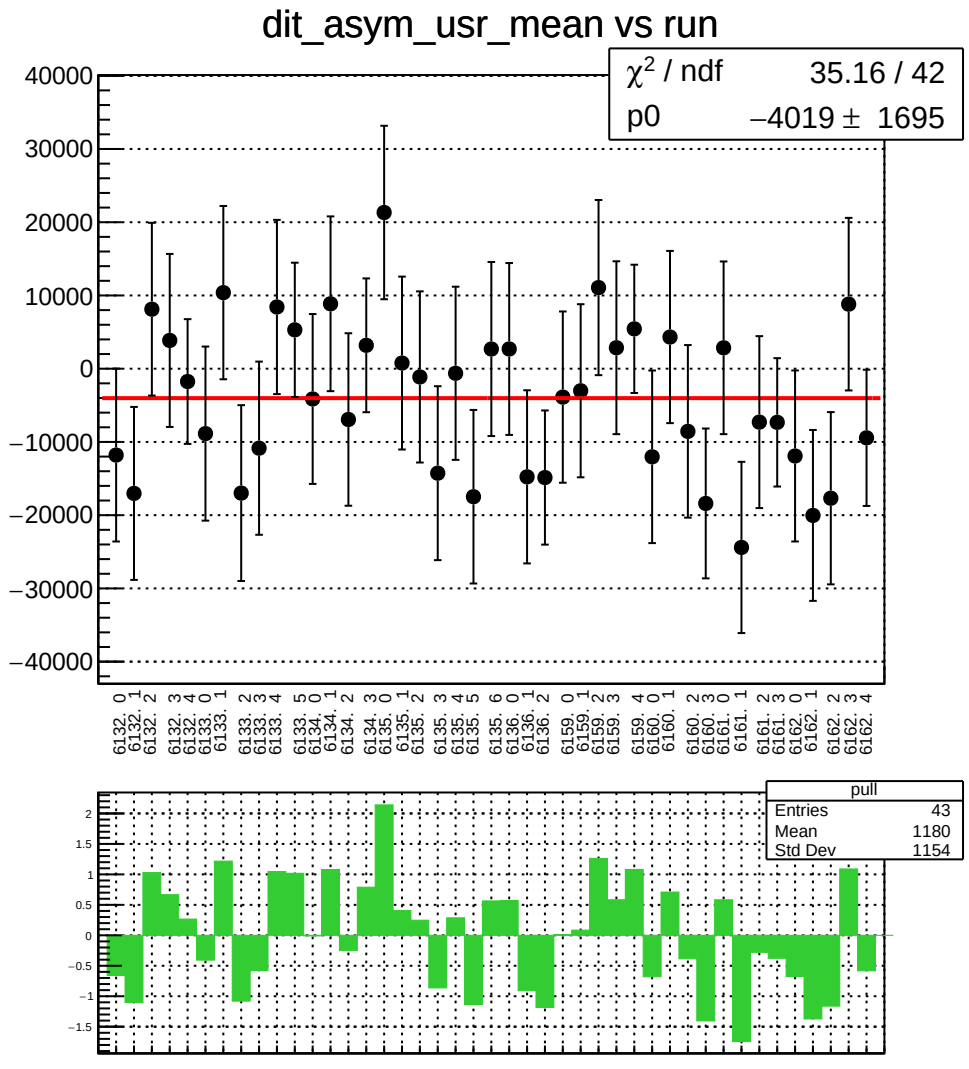

pull1D
Entries 43
Mean 0.007569
Std Dev 0.911
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

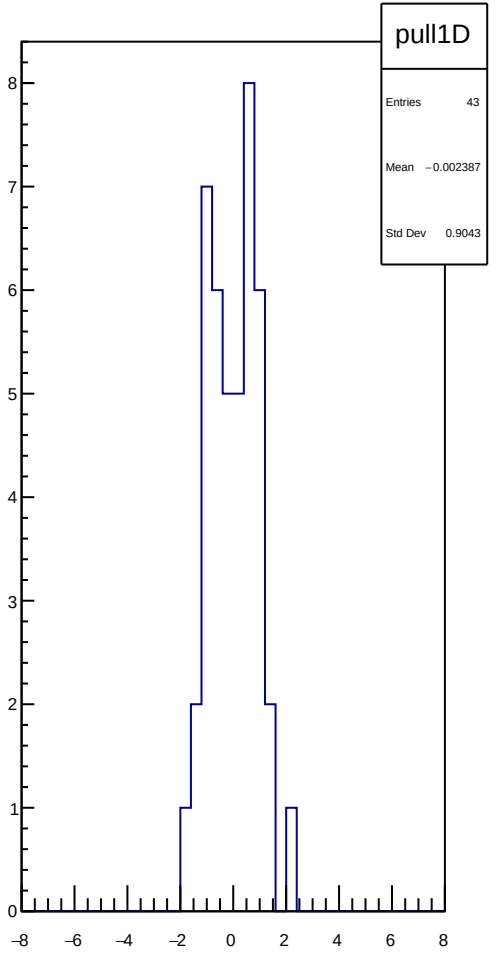

asym_usl_correction_rms vs run
χ² / ndf 4479 / 42
p0 777.2 ± 0.834
1000
950
900
850
800
750
700
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

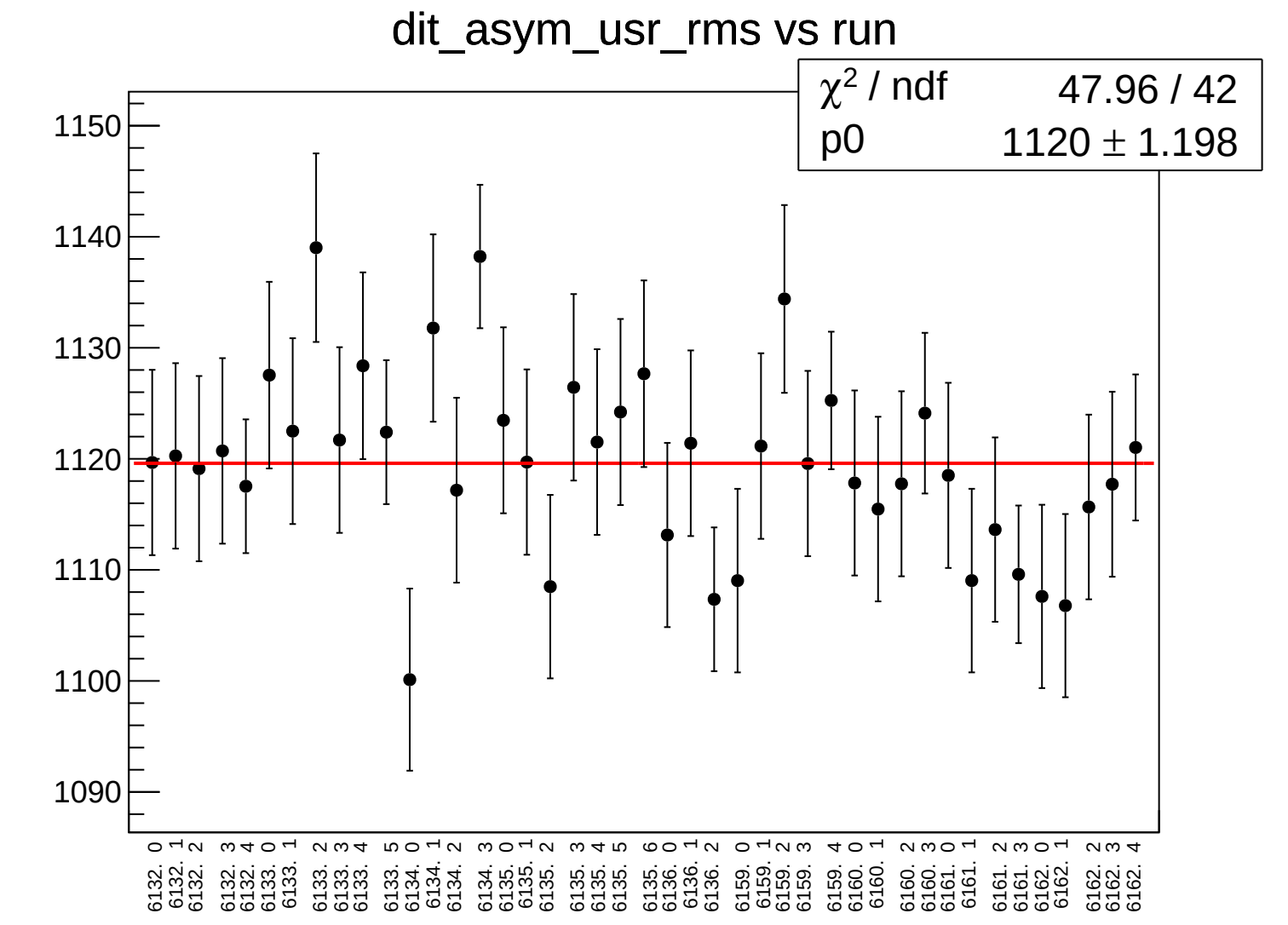

asym_usl_mean vs run
χ² / ndf 45.17 / 42
p0 −4886 ± 2037
40000
20000
0
−20000
−40000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −69.12
Std Dev 60.58
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

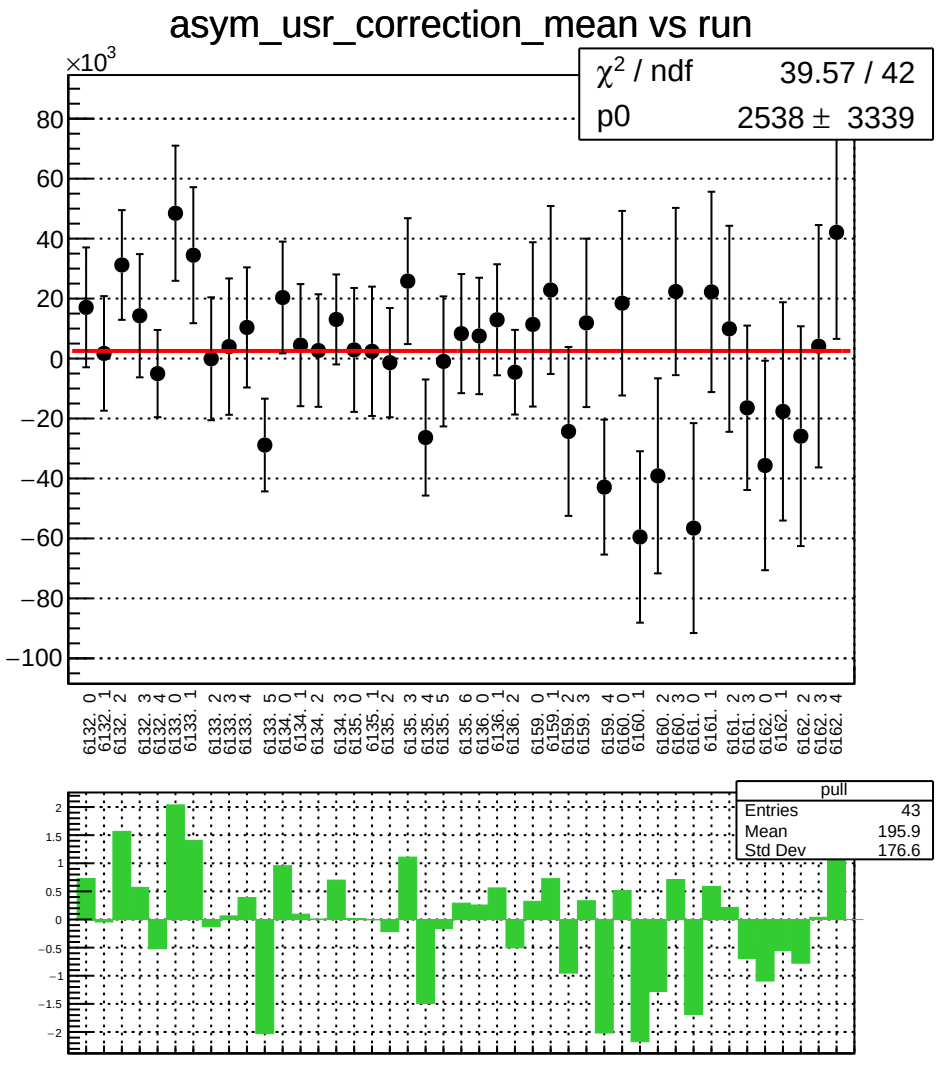

pull1D
Entries 43
Mean −0.003225
Std Dev 1.025
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

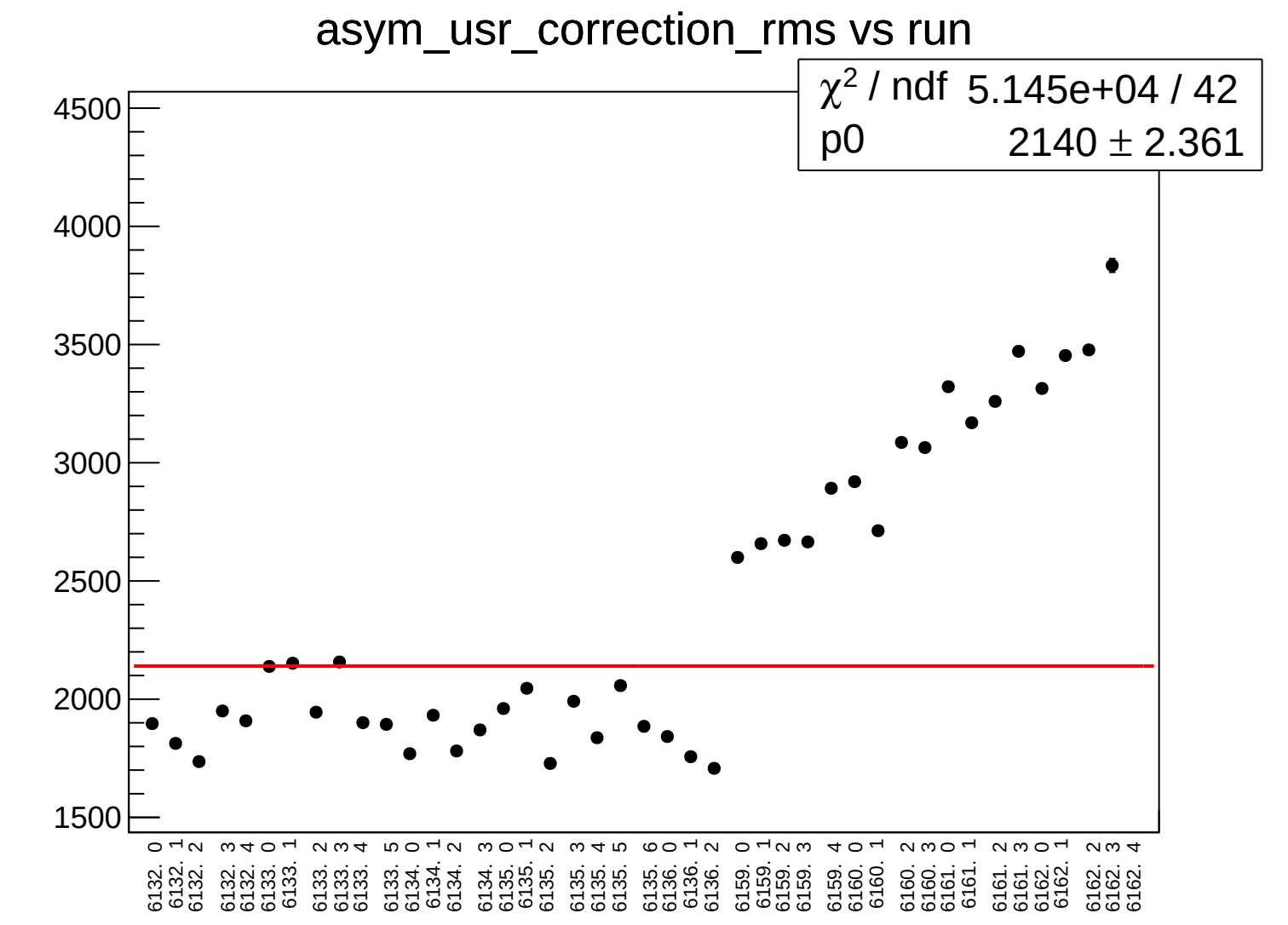

asym_usl_rms vs run
χ² / ndf 945.9 / 42
p0 1345 ± 1.44
1500
1450
1400
1350
1300
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

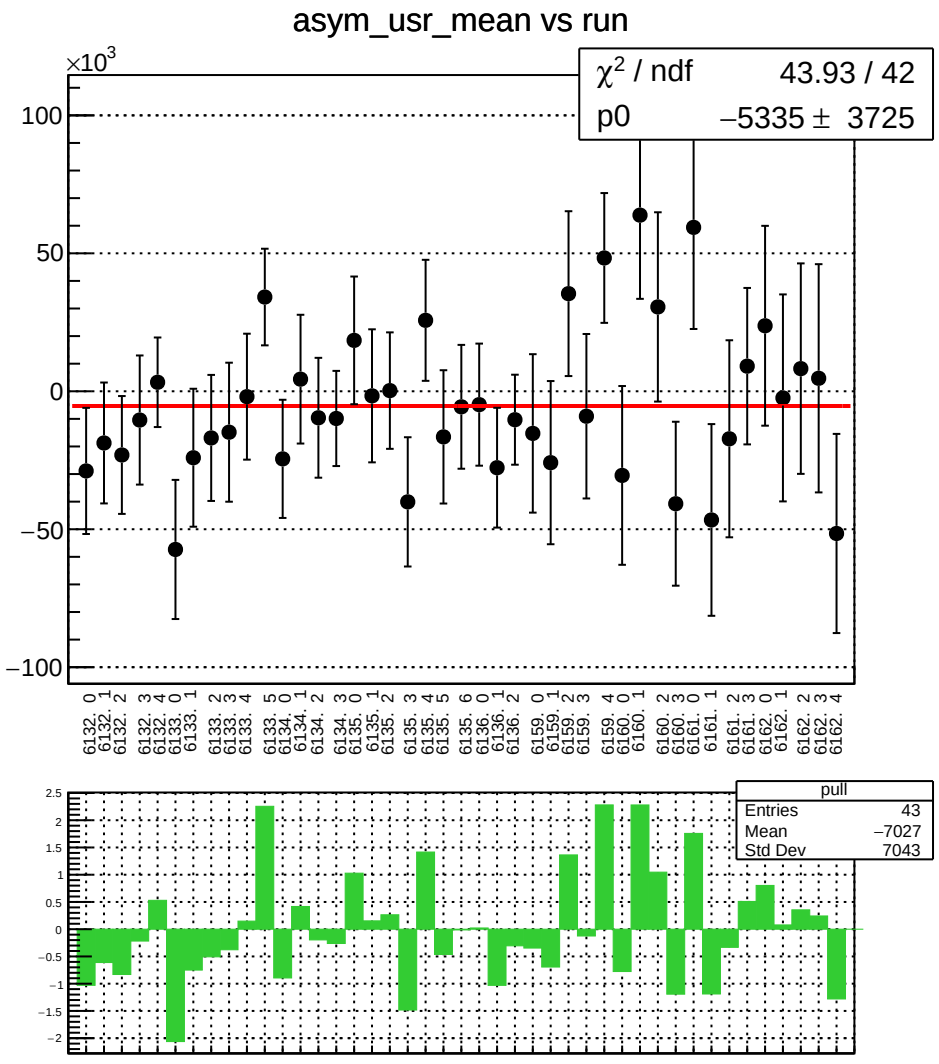

dit_asym_usr_mean vs run
χ² / ndf 35.16 / 42
p0 −4019 ± 1695
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 1180
Std Dev 1154
2
1.5
1
0.5
0
−0.5
−1
−1.5

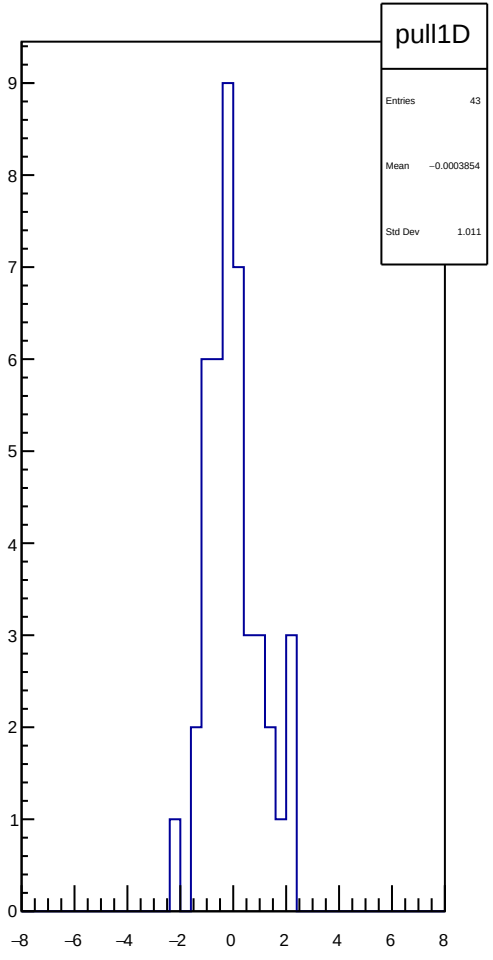

pull1D
Entries 43
Mean −0.002387
Std Dev 0.9043
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

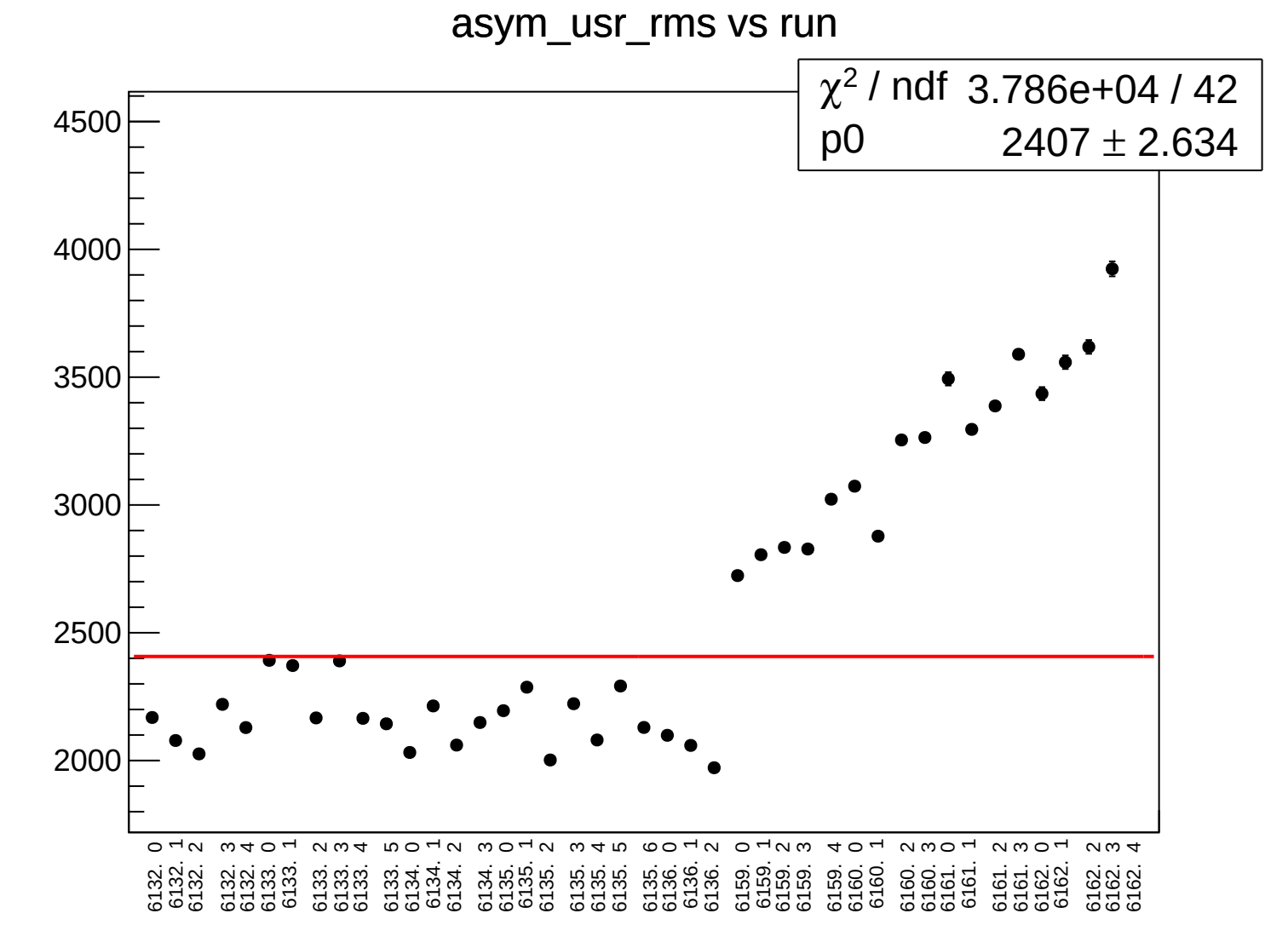

dit_asym_usr_rms vs run
χ² / ndf 47.96 / 42
p0 1120 ± 1.198
1150
1140
1130
1120
1110
1100
1090
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

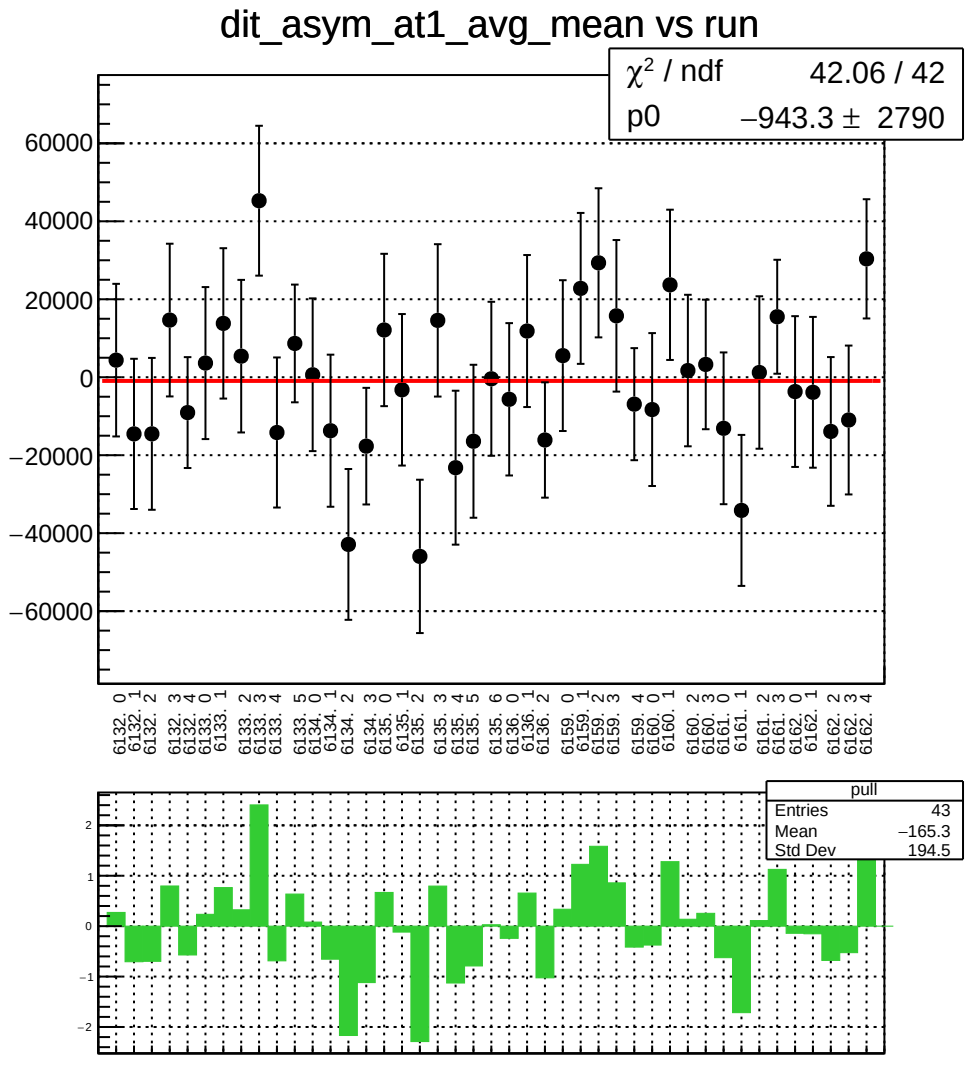

asym_usr_correction_mean vs run
×10^3
χ^2 / ndf 39.57 / 42
p0 2538 ± 3339
80
60
40
20
0
−20
−40
−60
−80
−100
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 195.9
Std Dev 176.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.02314
Std Dev 0.9591
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

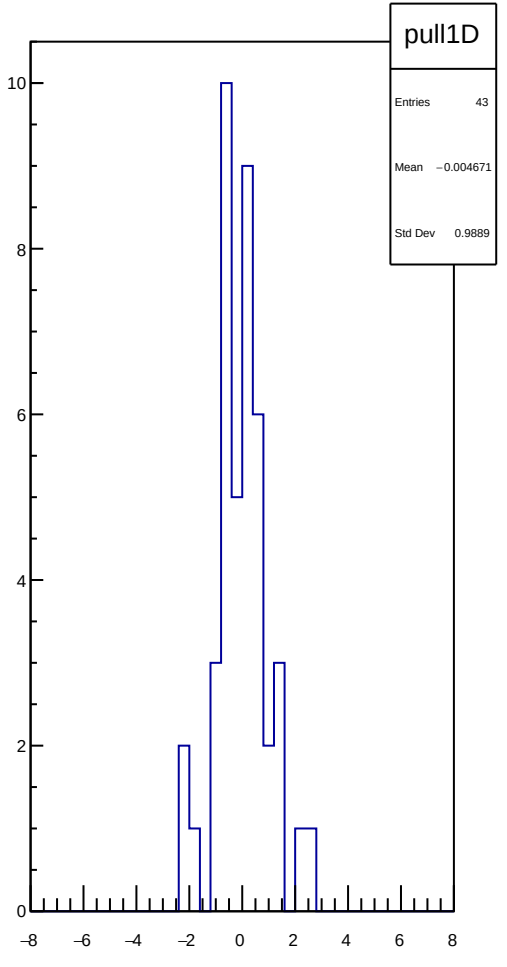

asym_usr_correction_rms vs run
χ² / ndf 5.145e+04 / 42
p0 2140 ± 2.361
4500
4000
3500
3000
2500
2000
1500
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

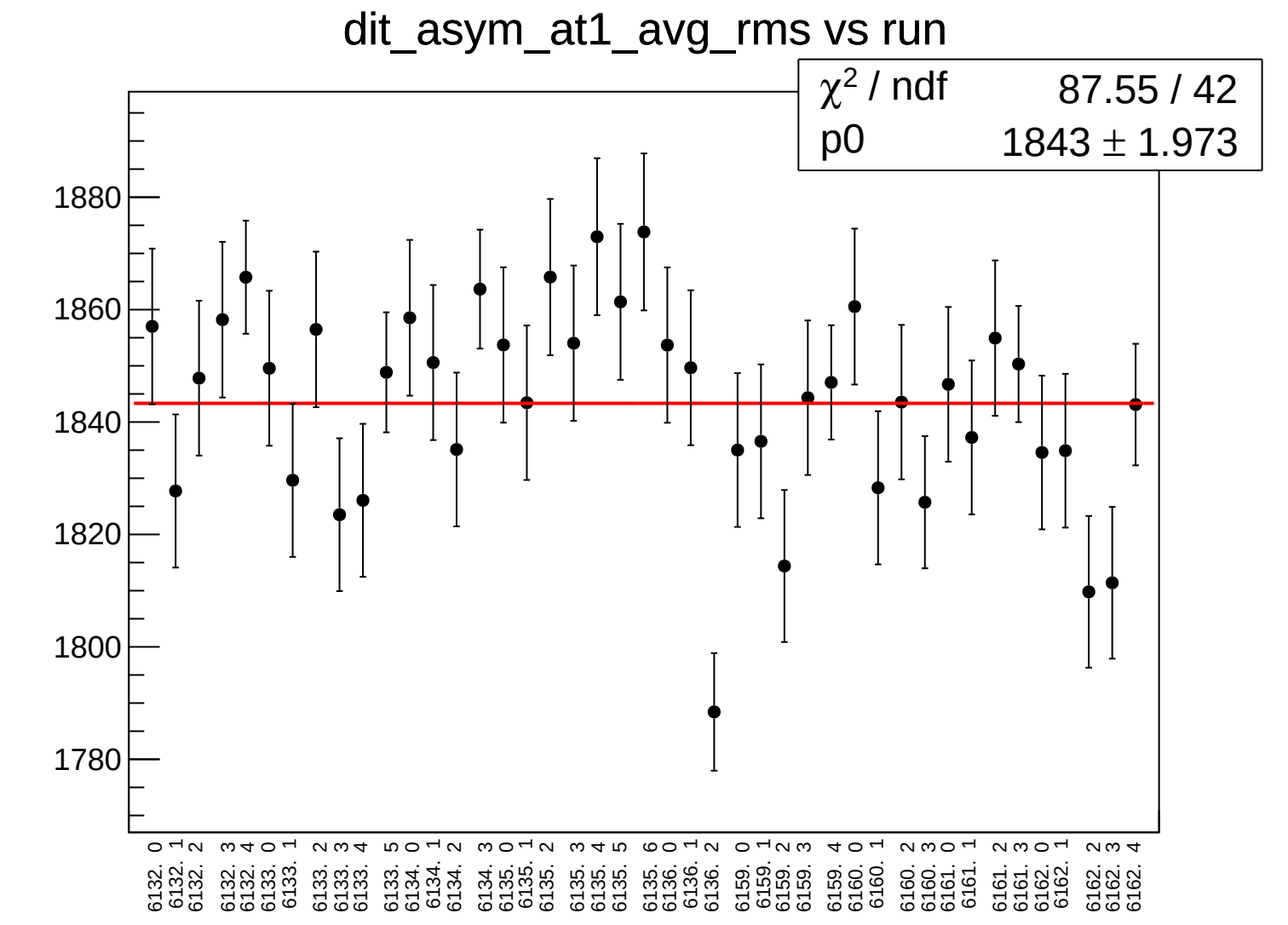

asym_usr_mean vs run
×10^3
χ² / ndf 43.93 / 42
p0 −5335 ± 3725
100
50
0
−50
−100
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −7027
Std Dev 7043
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

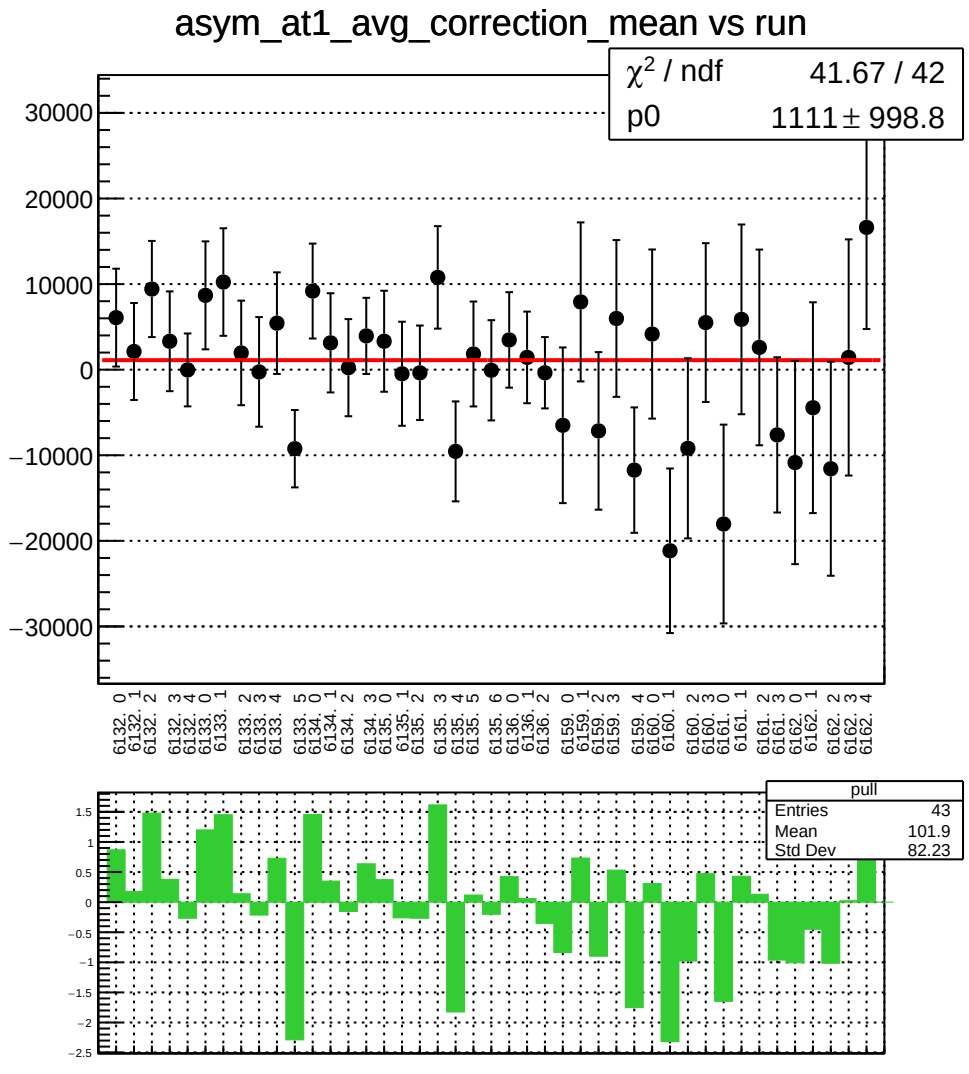

pull1D
Entries 43
Mean −0.0003854
Std Dev 1.011
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

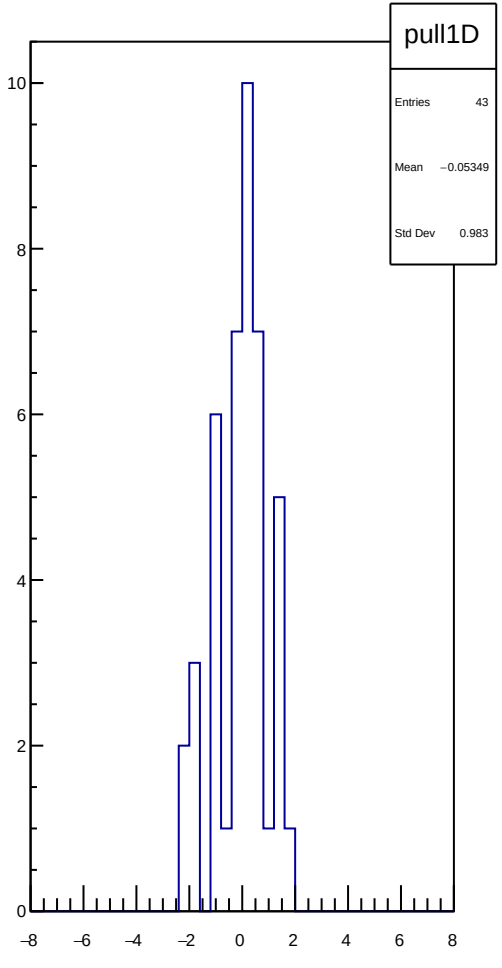

asym_usr_rms vs run
χ² / ndf 3.786e+04 / 42
p0 2407 ± 2.634
4500
4000
3500
3000
2500
2000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

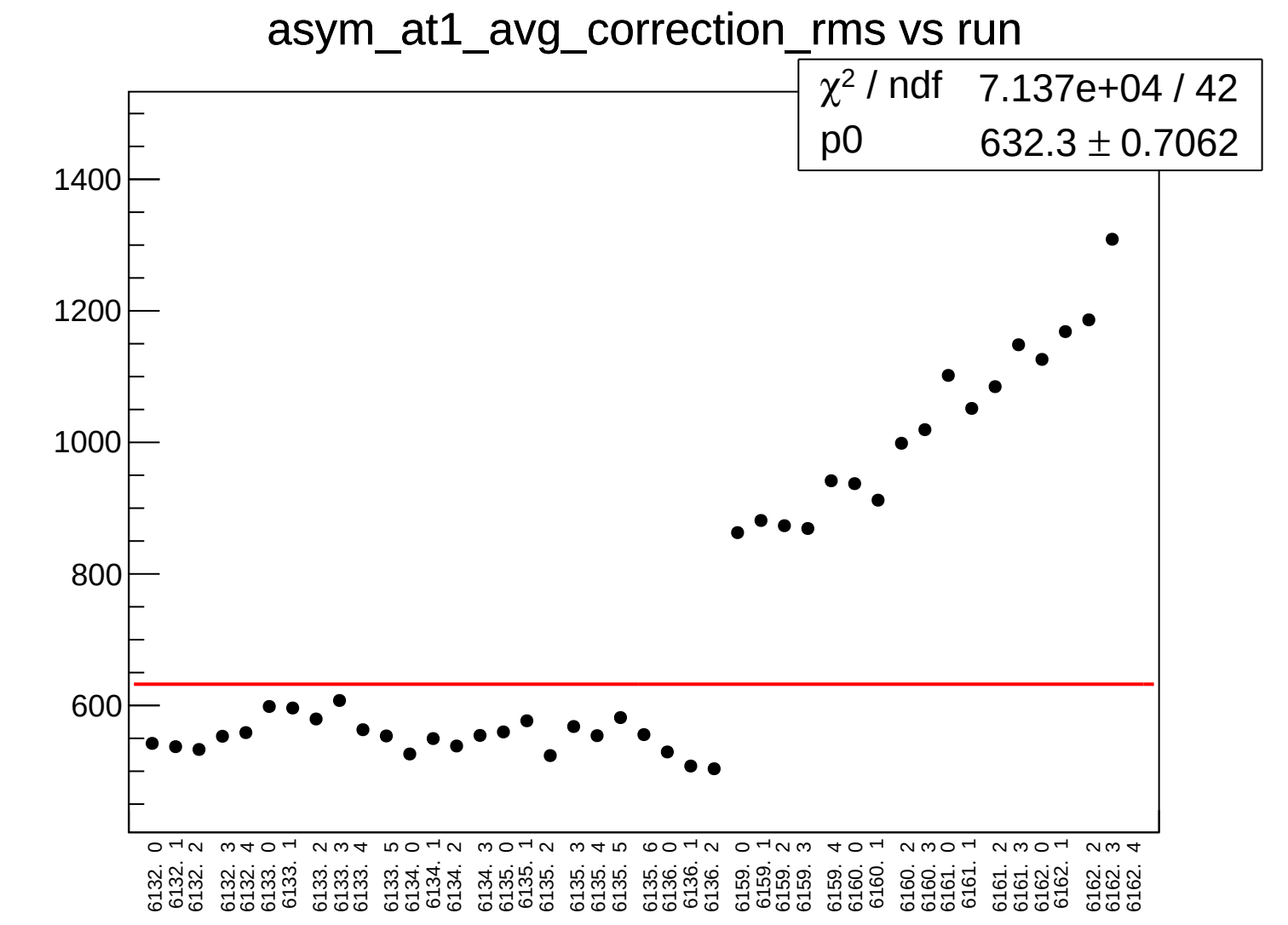

dit_asym_at1_avg_mean vs run
χ² / ndf 42.06 / 42
p0 −943.3 ± 2790
60000
40000
20000
0
−20000
−40000
−60000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −165.3
Std Dev 194.5
2
1
0
−1
−2

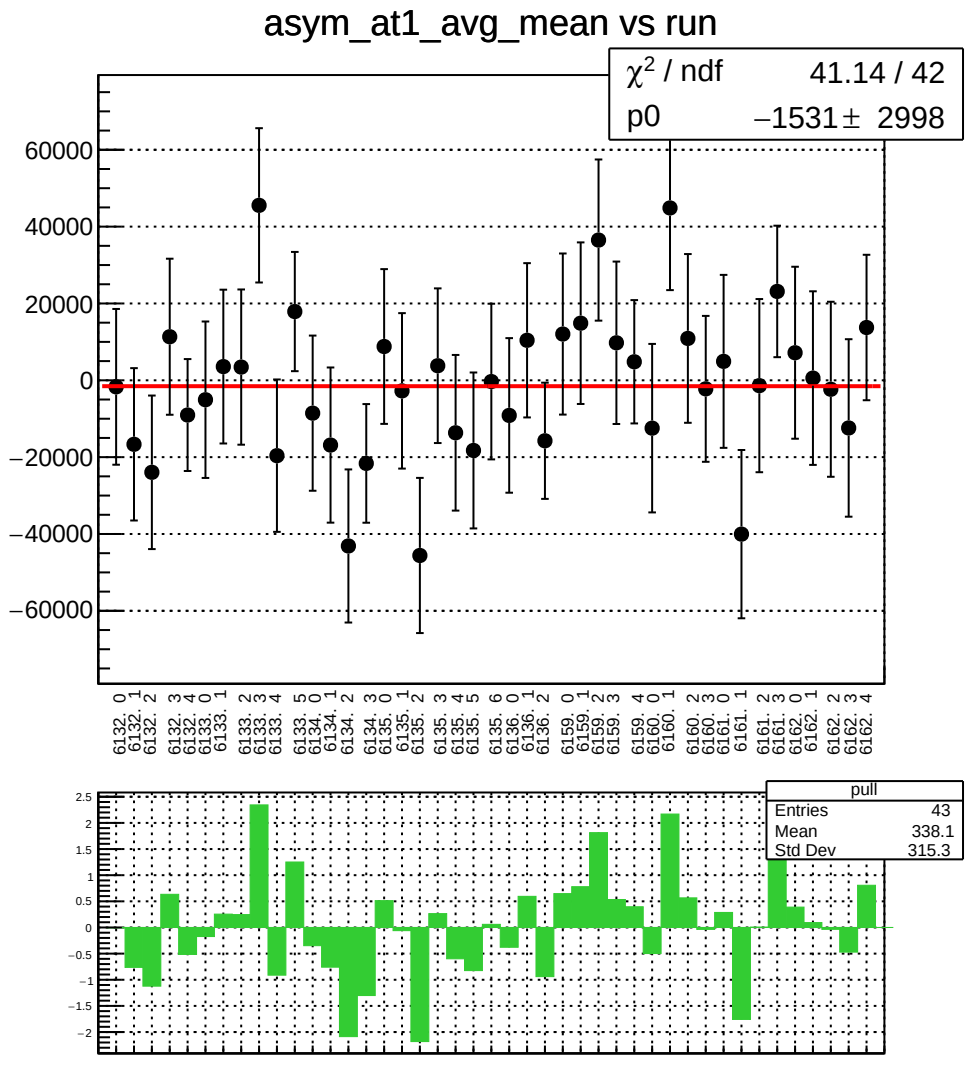

pull1D
Entries 43
Mean −0.004671
Std Dev 0.9889
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

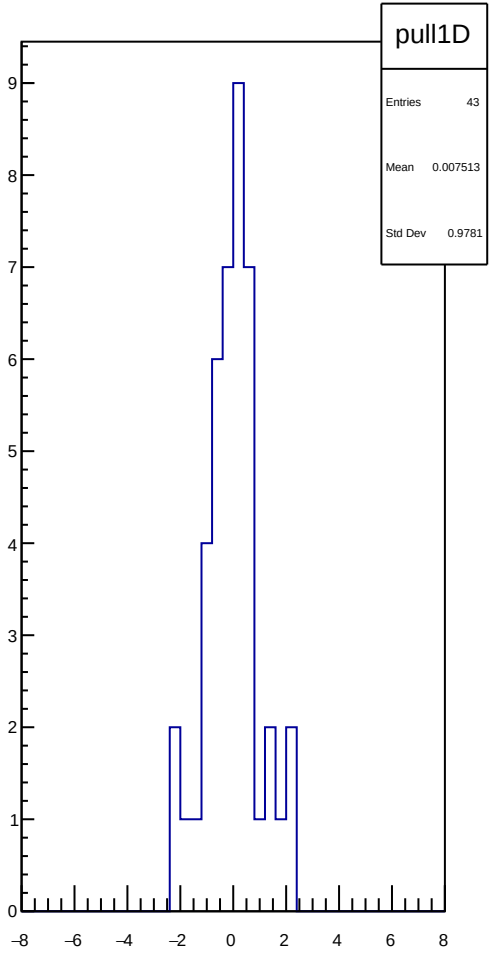

dit_asym_at1_avg_rms vs run
χ² / ndf 87.55 / 42
p0 1843 ± 1.973
1880
1860
1840
1820
1800
1780
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

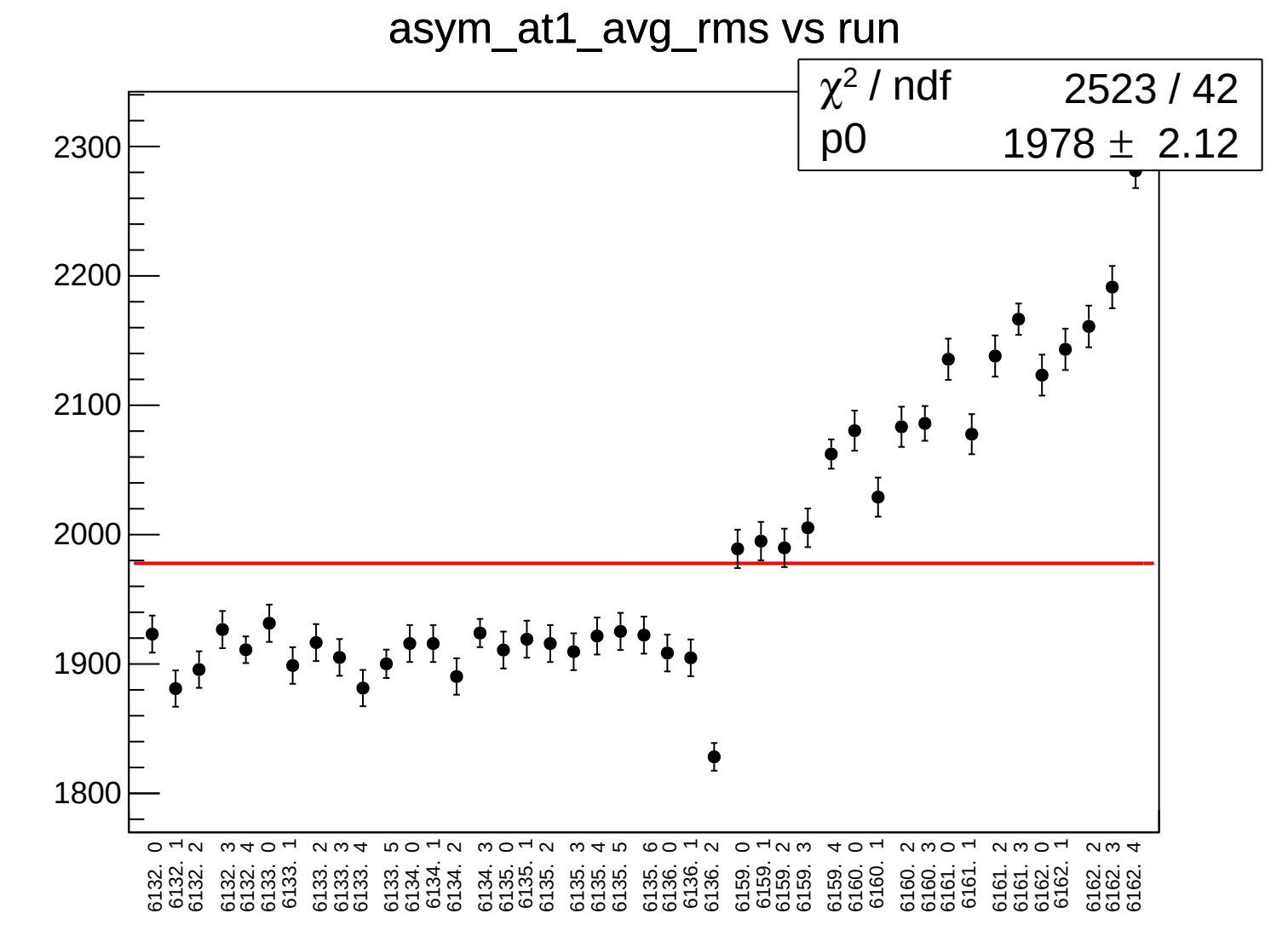

asym_at1_avg_correction_mean vs run
χ² / ndf 41.67 / 42
p0 1111 ± 998.8
30000
20000
10000
0
−10000
−20000
−30000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 101.9
Std Dev 82.23
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

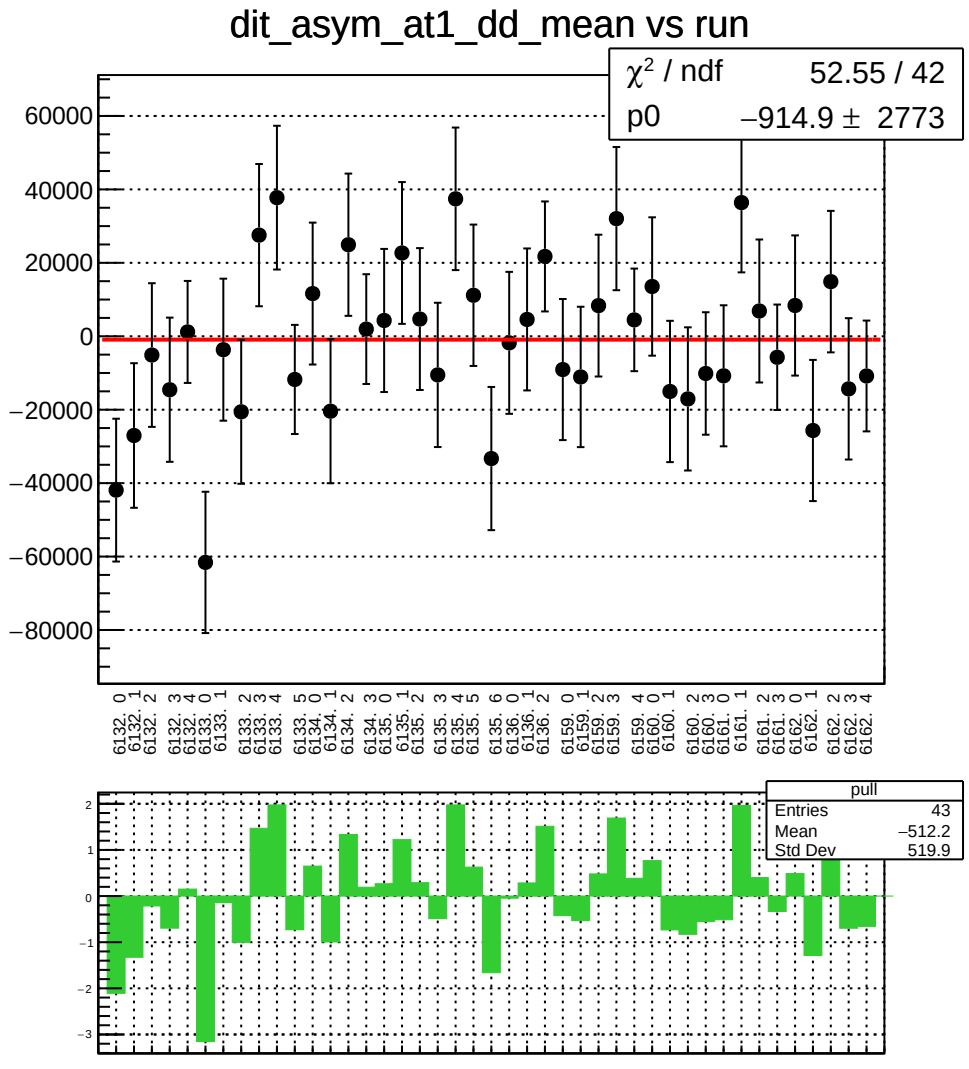

pull1D
Entries 43
Mean −0.05349
Std Dev 0.983
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

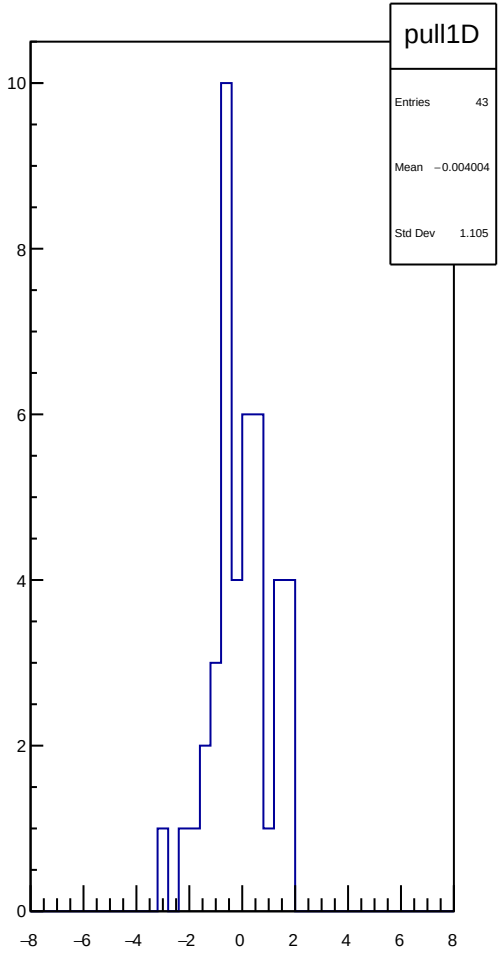

asym_at1_avg_correction_rms vs run
χ² / ndf 7.137e+04 / 42
p0 632.3 ± 0.7062
1400
1200
1000
800
600
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

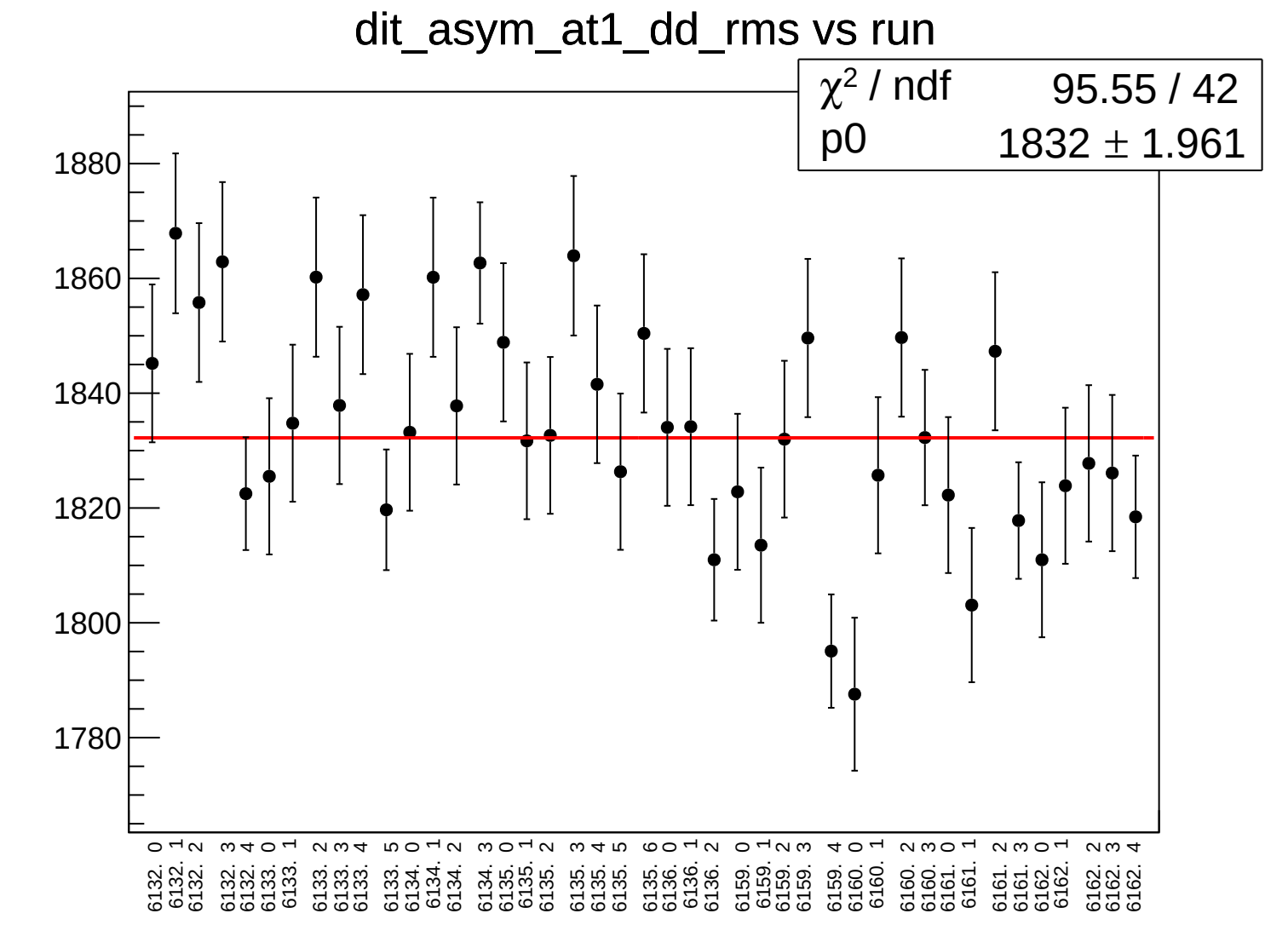

asym_at1_avg_mean vs run
χ² / ndf 41.14 / 42
p0 −1531 ± 2998
60000
40000
20000
0
−20000
−40000
−60000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 338.1
Std Dev 315.3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

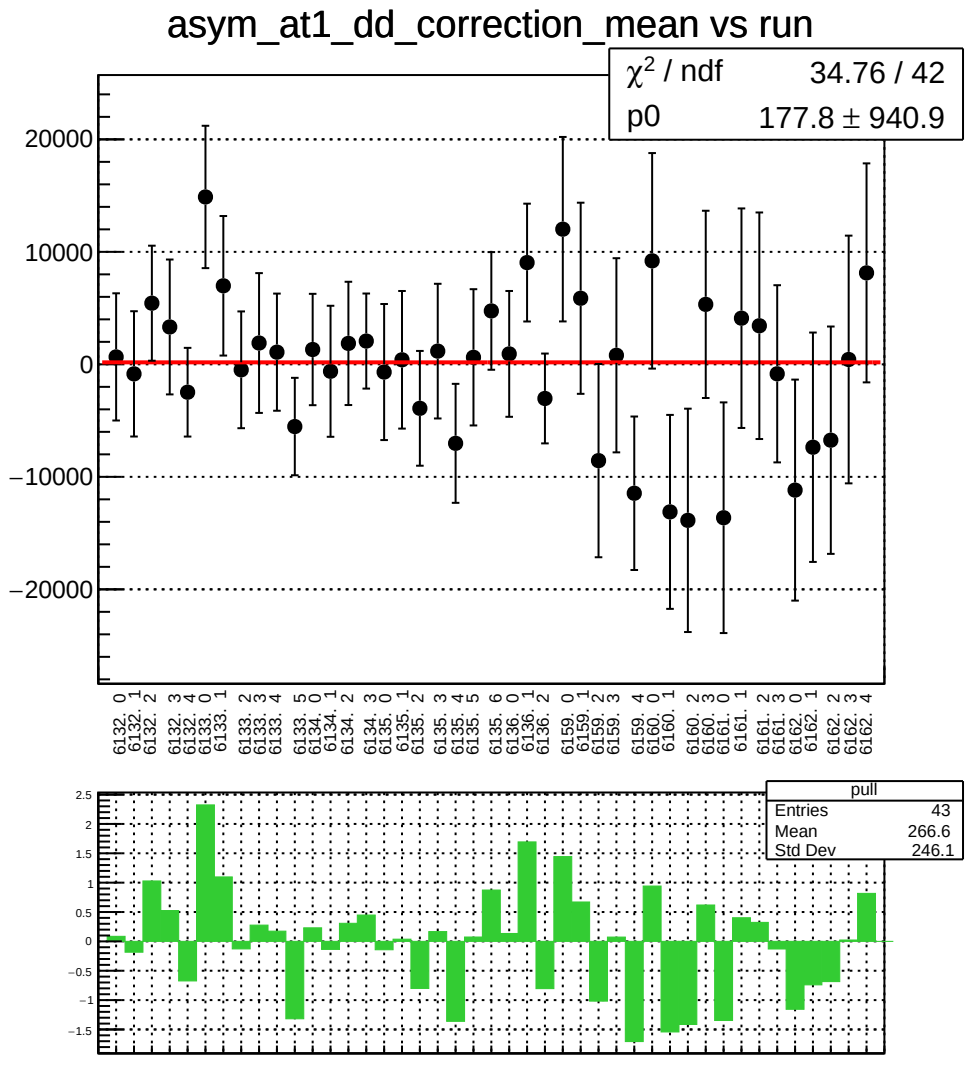

pull1D
Entries 43
Mean 0.007513
Std Dev 0.9781
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

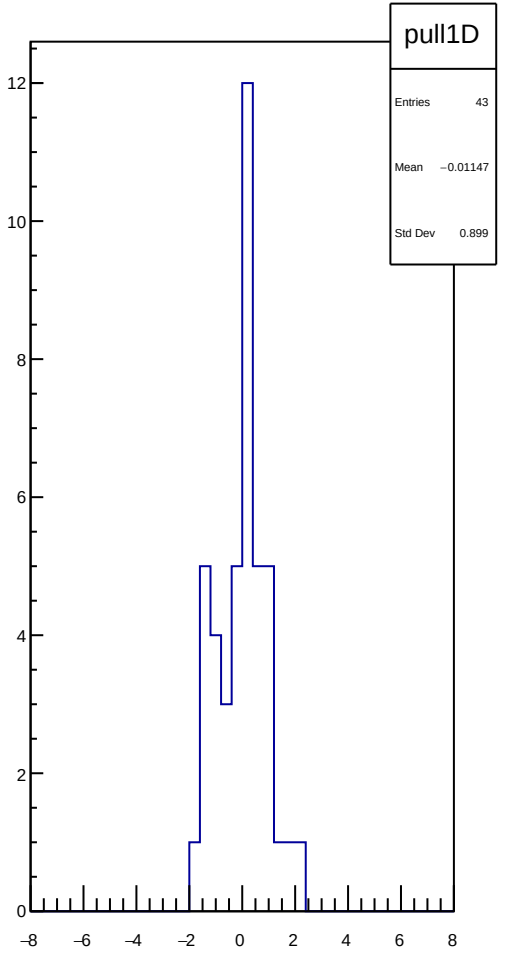

asym_at1_avg_rms vs run
χ² / ndf 2523 / 42
p0 1978 ± 2.12
2300
2200
2100
2000
1900
1800
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

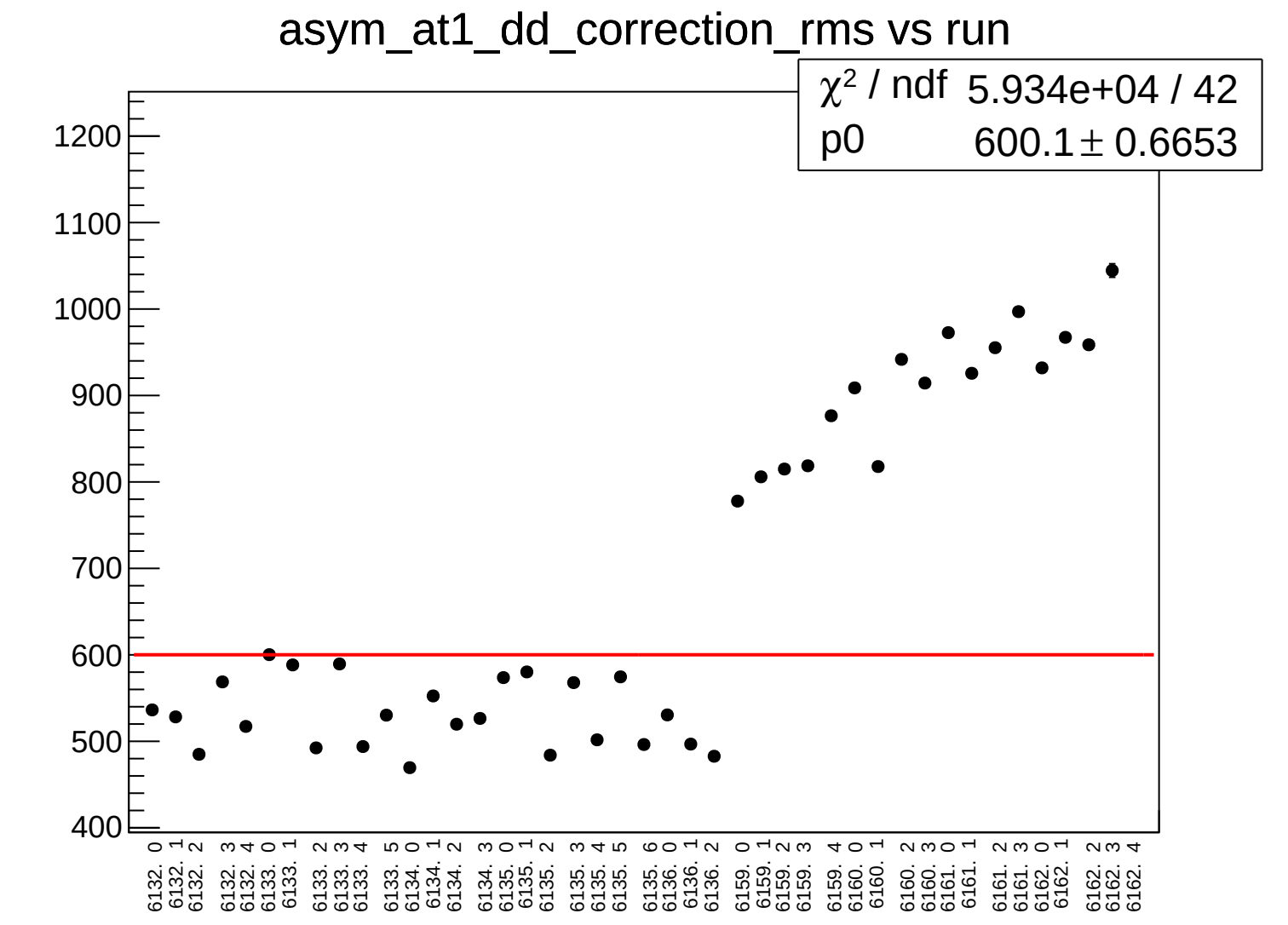

dit_asym_at1_dd_mean vs run
χ² / ndf 52.55 / 42
p0 −914.9 ± 2773
60000
40000
20000
0
−20000
−40000
−60000
−80000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −512.2
Std Dev 519.9
2
1
0
−1
−2
−3

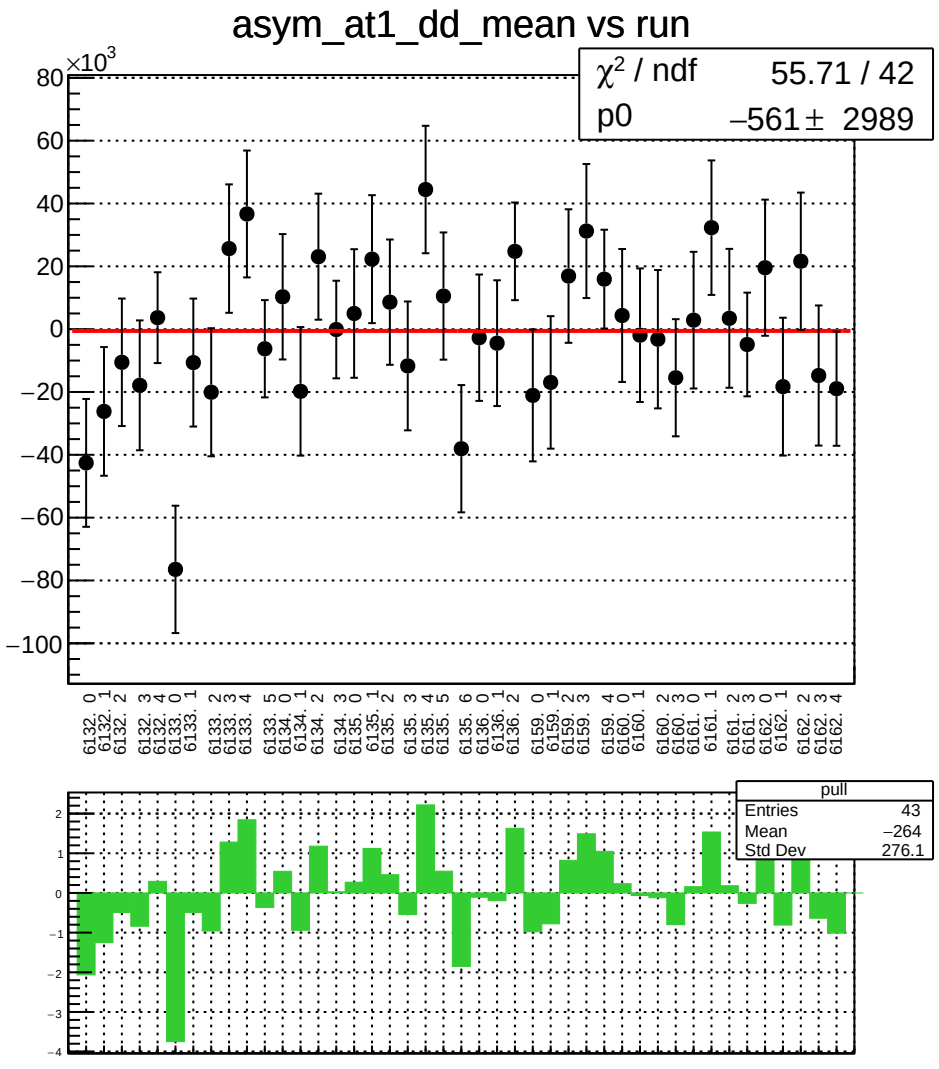

pull1D
Entries 43
Mean −0.004004
Std Dev 1.105
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

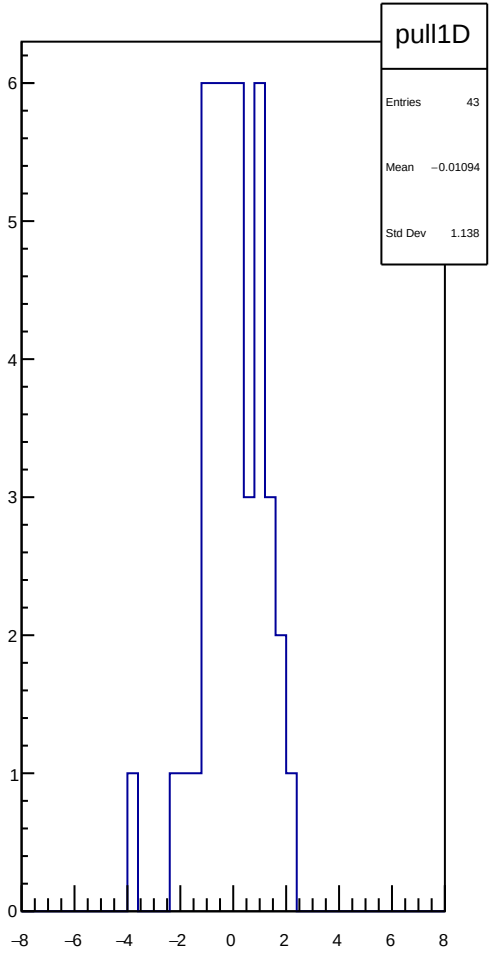

dit_asym_at1_dd_rms vs run
χ² / ndf 95.55 / 42
p0 1832 ± 1.961
1880
1860
1840
1820
1800
1780
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

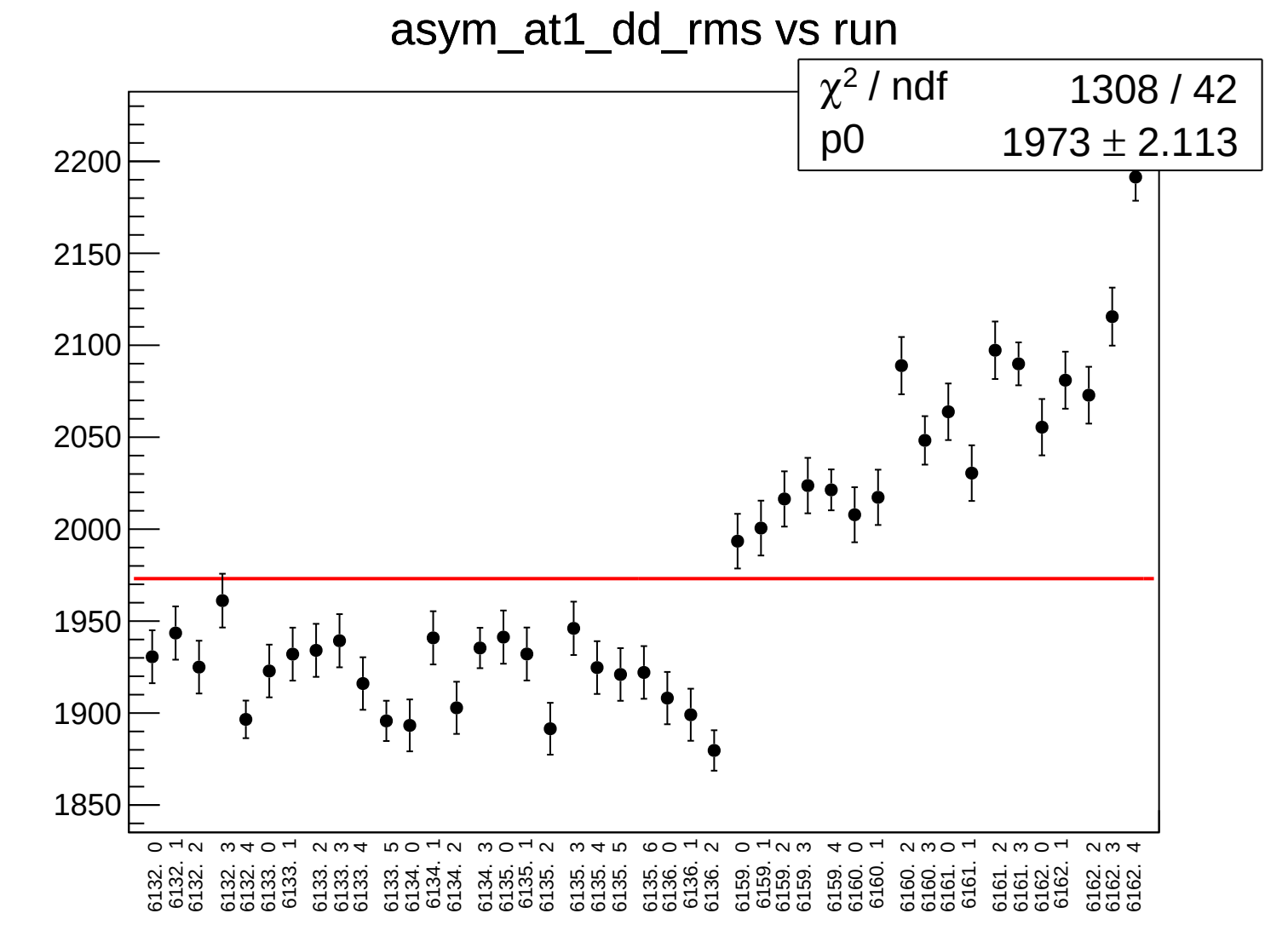

asym_at1_dd_correction_mean vs run
χ² / ndf 34.76 / 42
p0 177.8 ± 940.9
20000
10000
0
−10000
−20000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 266.6
Std Dev 246.1
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

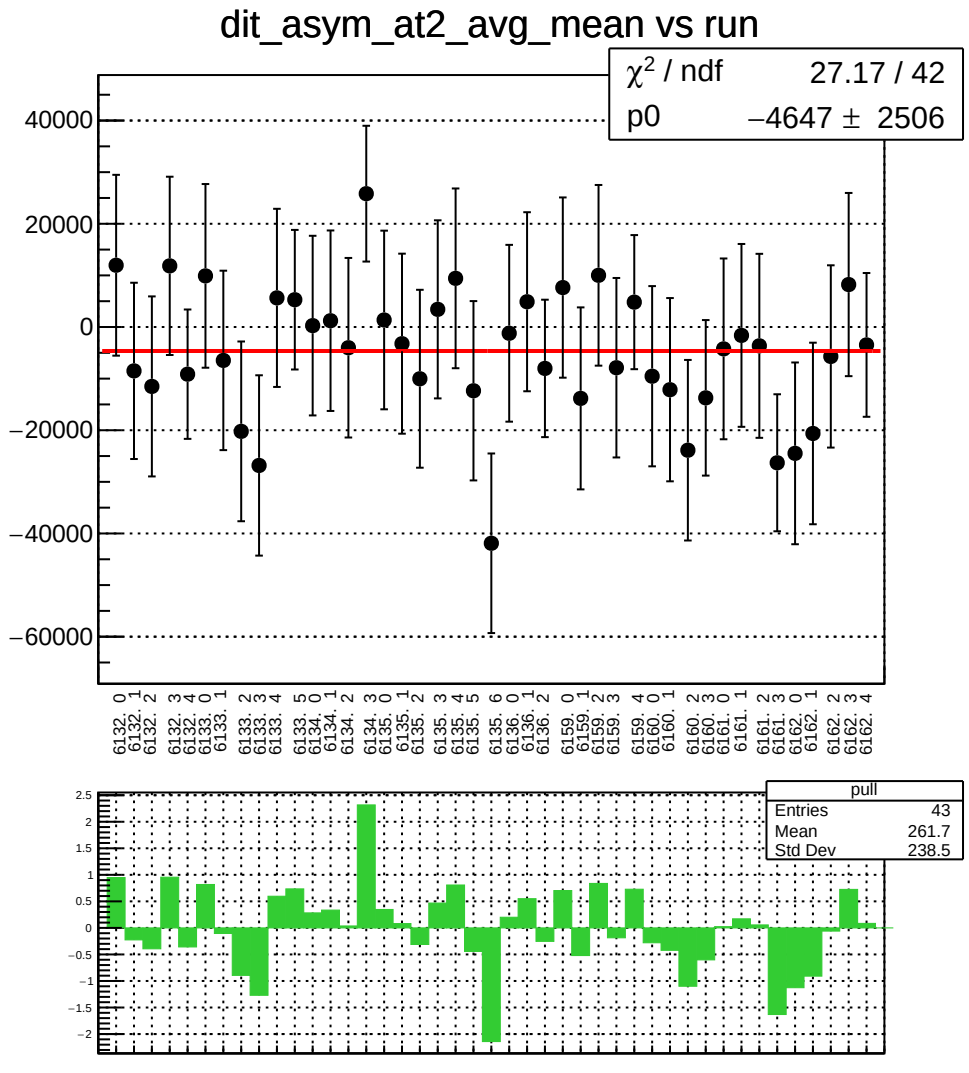

pull1D
Entries 43
Mean −0.01147
Std Dev 0.899
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

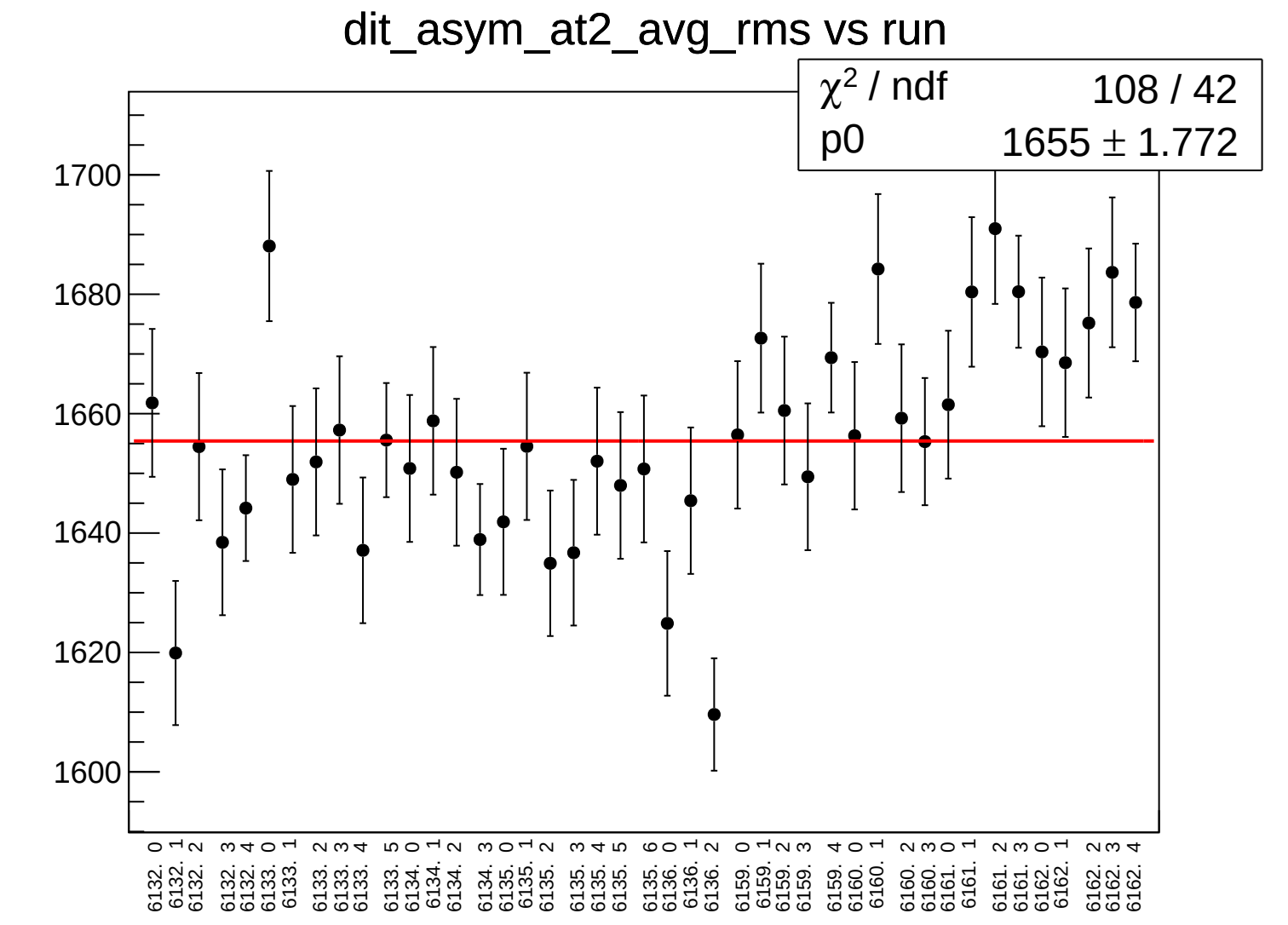

asym_at1_dd_correction_rms vs run
χ² / ndf 5.934e+04 / 42
p0 600.1 ± 0.6653
1200
1100
1000
900
800
700
600
500
400
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

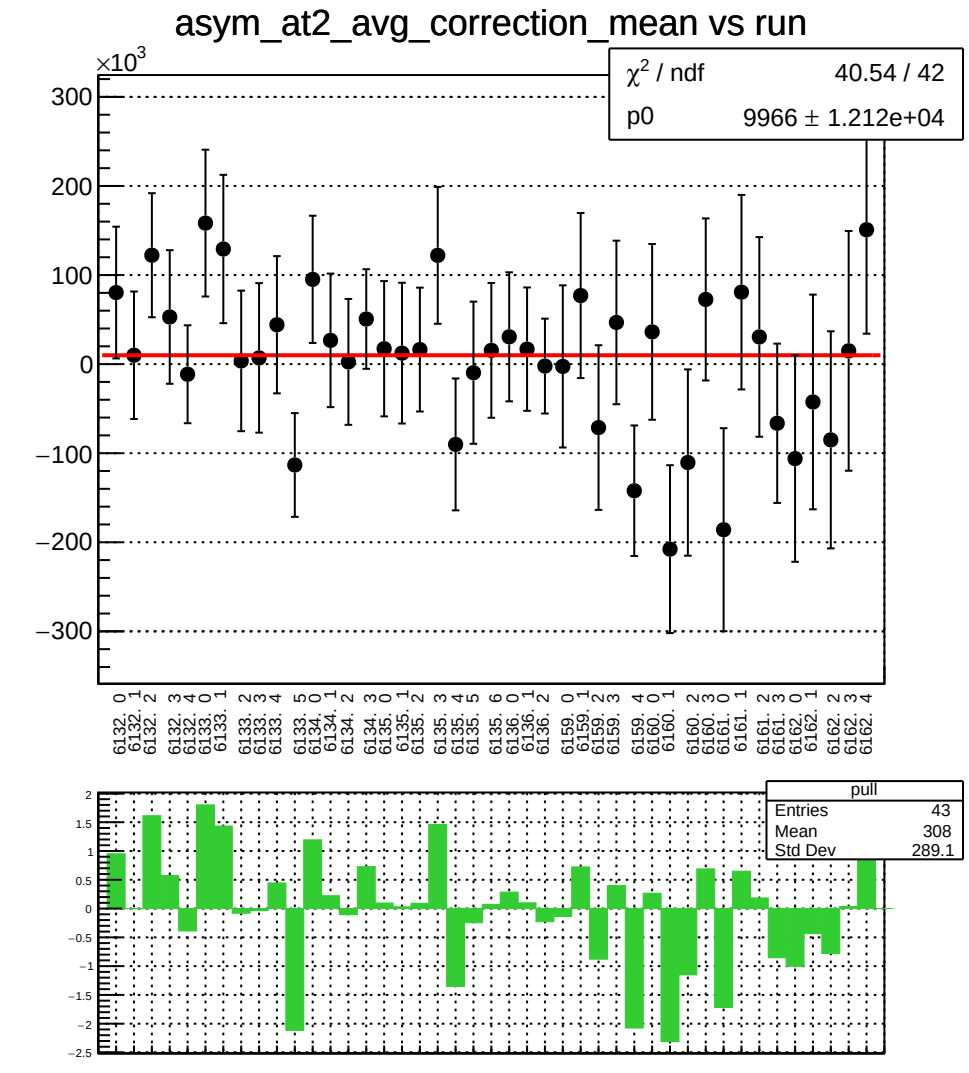

asym_at1_dd_mean vs run
×10^3
χ² / ndf 55.71 / 42
p0 −561 ± 2989
pull
Entries 43
Mean −264
Std Dev 276.1

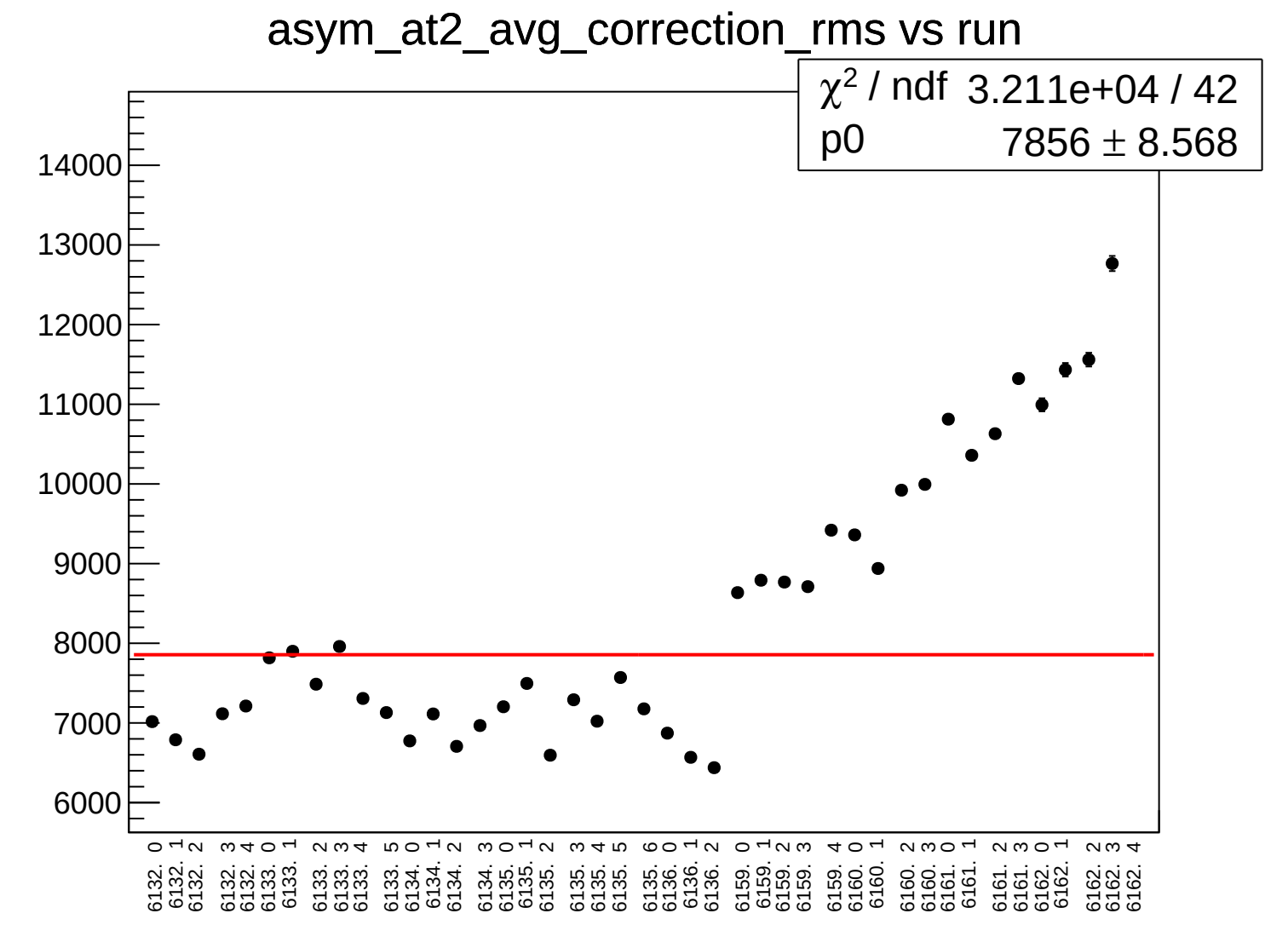

pull1D
Entries 43
Mean −0.01094
Std Dev 1.138

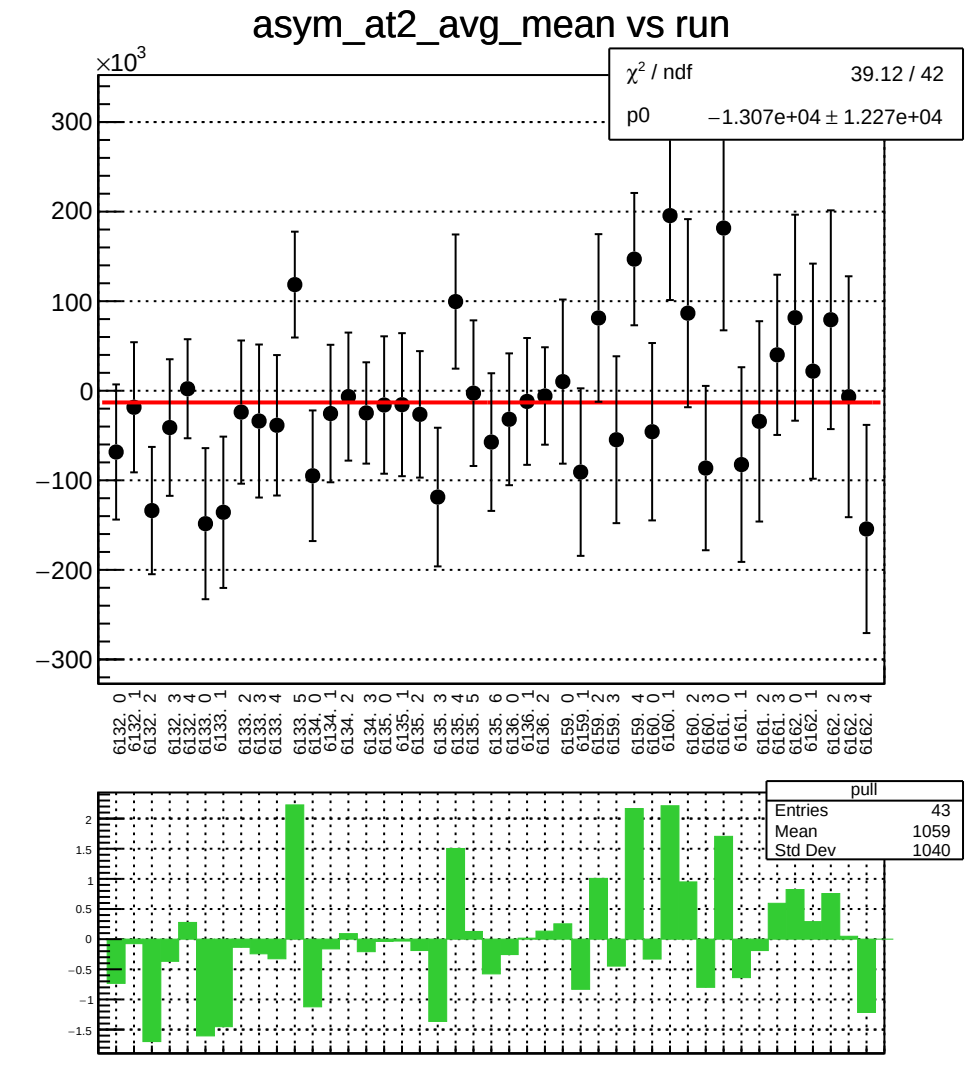

asym_at1_dd_rms vs run
χ² / ndf 1308 / 42
p0 1973 ± 2.113
2200
2150
2100
2050
2000
1950
1900
1850
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

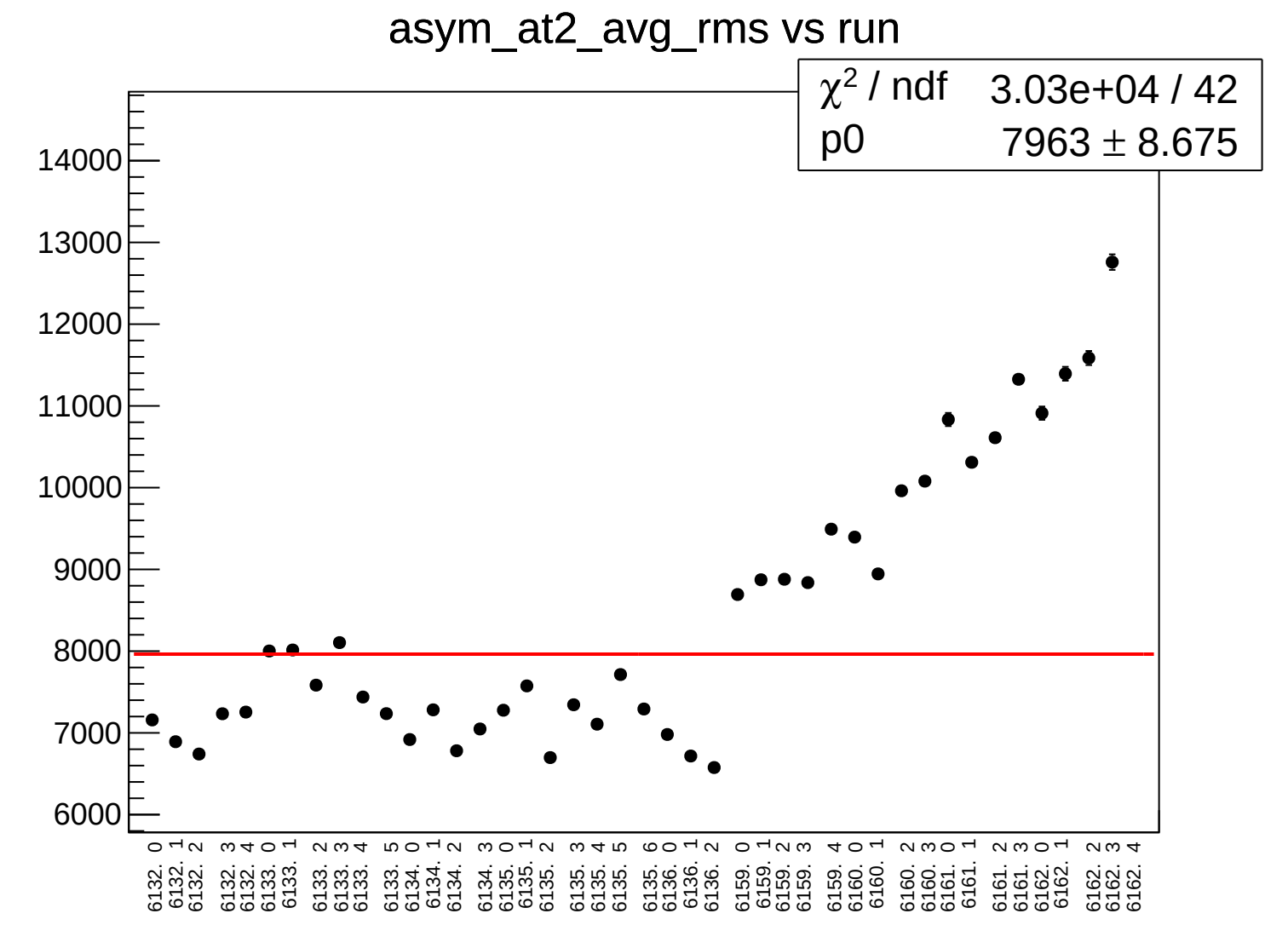

dit_asym_at2_avg_mean vs run
χ² / ndf 27.17 / 42
p0 −4647 ± 2506
40000
20000
0
−20000
−40000
−60000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 261.7
Std Dev 238.5
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.009837
Std Dev 0.7948
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

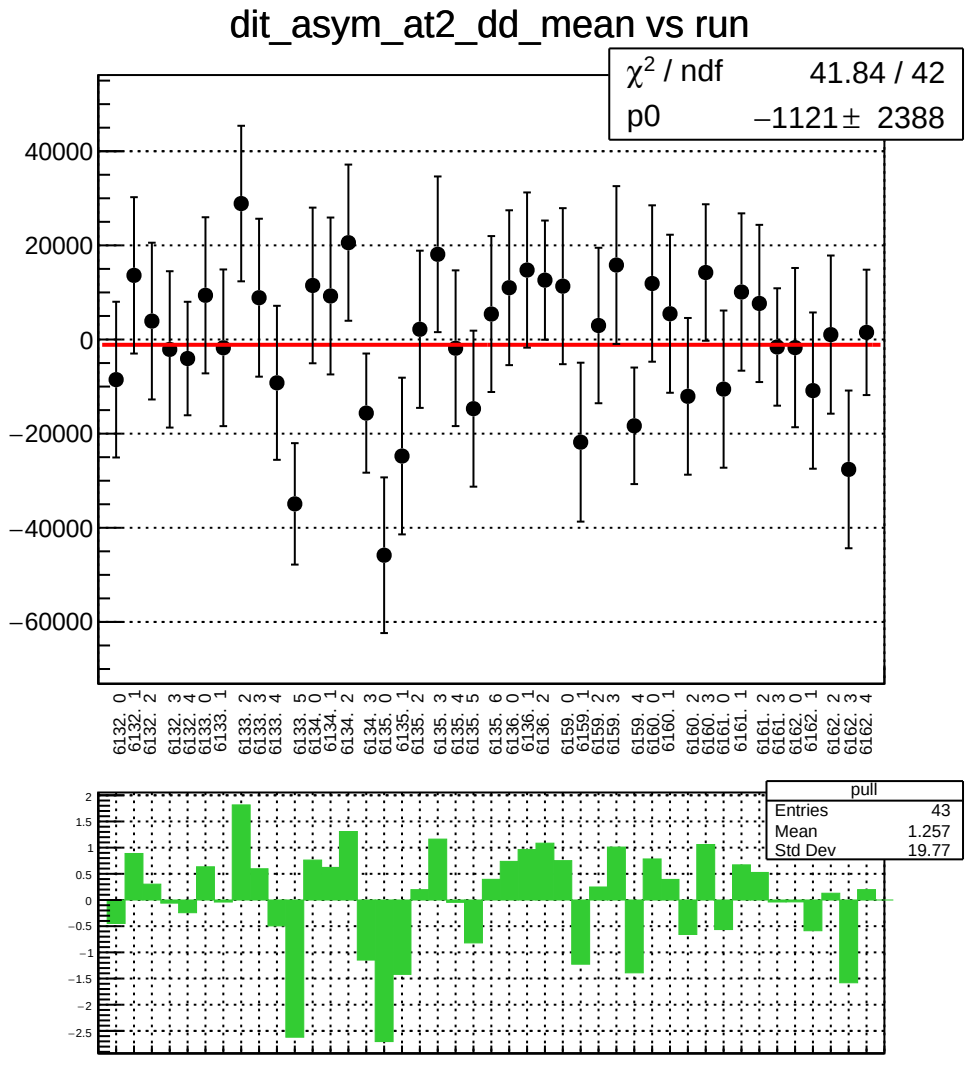

dit_asym_at2_avg_rms vs run
χ² / ndf 108 / 42
p0 1655 ± 1.772
1700
1680
1660
1640
1620
1600
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

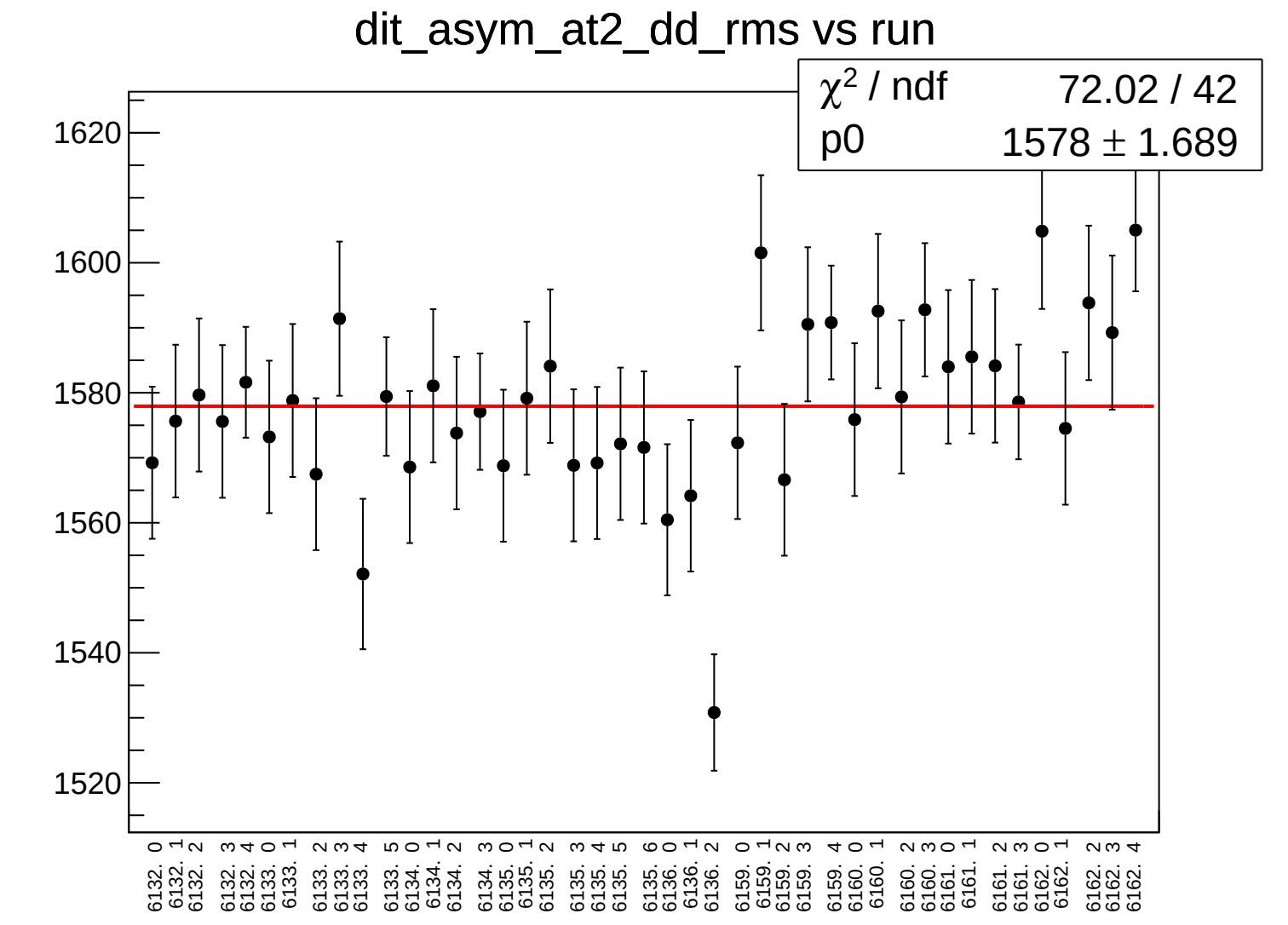

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 40.54 / 42
p0 9966 ± 1.212e+04
300
200
100
0
−100
−200
−300
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 308
Std Dev 289.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean −0.015
Std Dev 0.9709
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

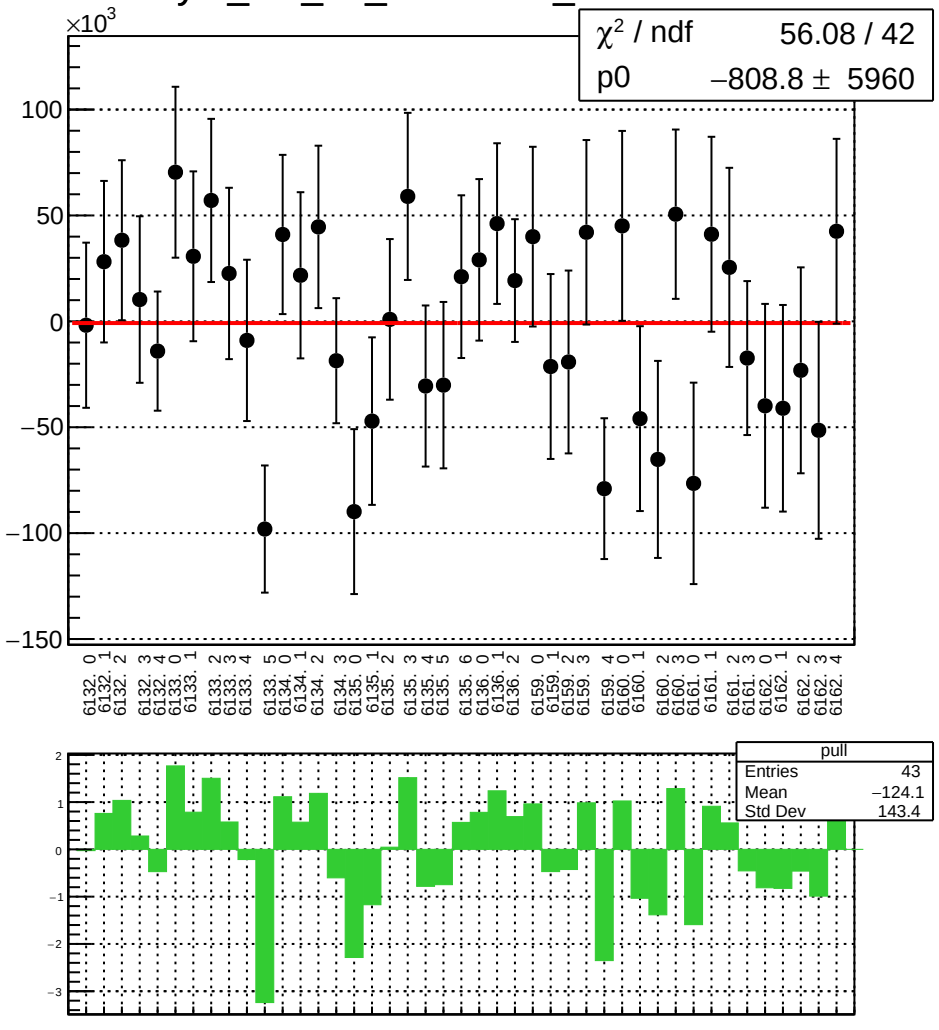

asym_at2_avg_correction_rms vs run
χ² / ndf 3.211e+04 / 42
p0 7856 ± 8.568
14000
13000
12000
11000
10000
9000
8000
7000
6000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

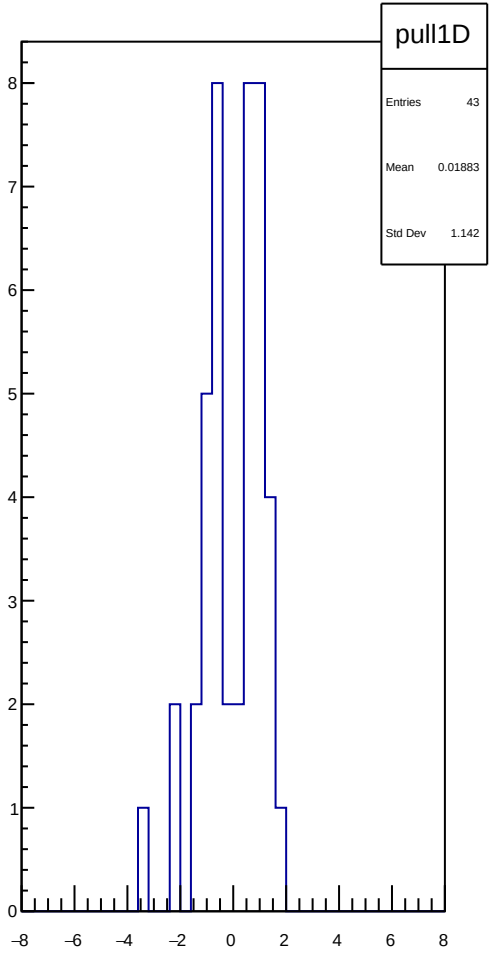

asym_at2_avg_mean vs run
×10^3
χ² / ndf 39.12 / 42
p0 −1.307e+04 ± 1.227e+04
300
200
100
0
−100
−200
−300
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 1059
Std Dev 1040
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.003692
Std Dev 0.9538
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

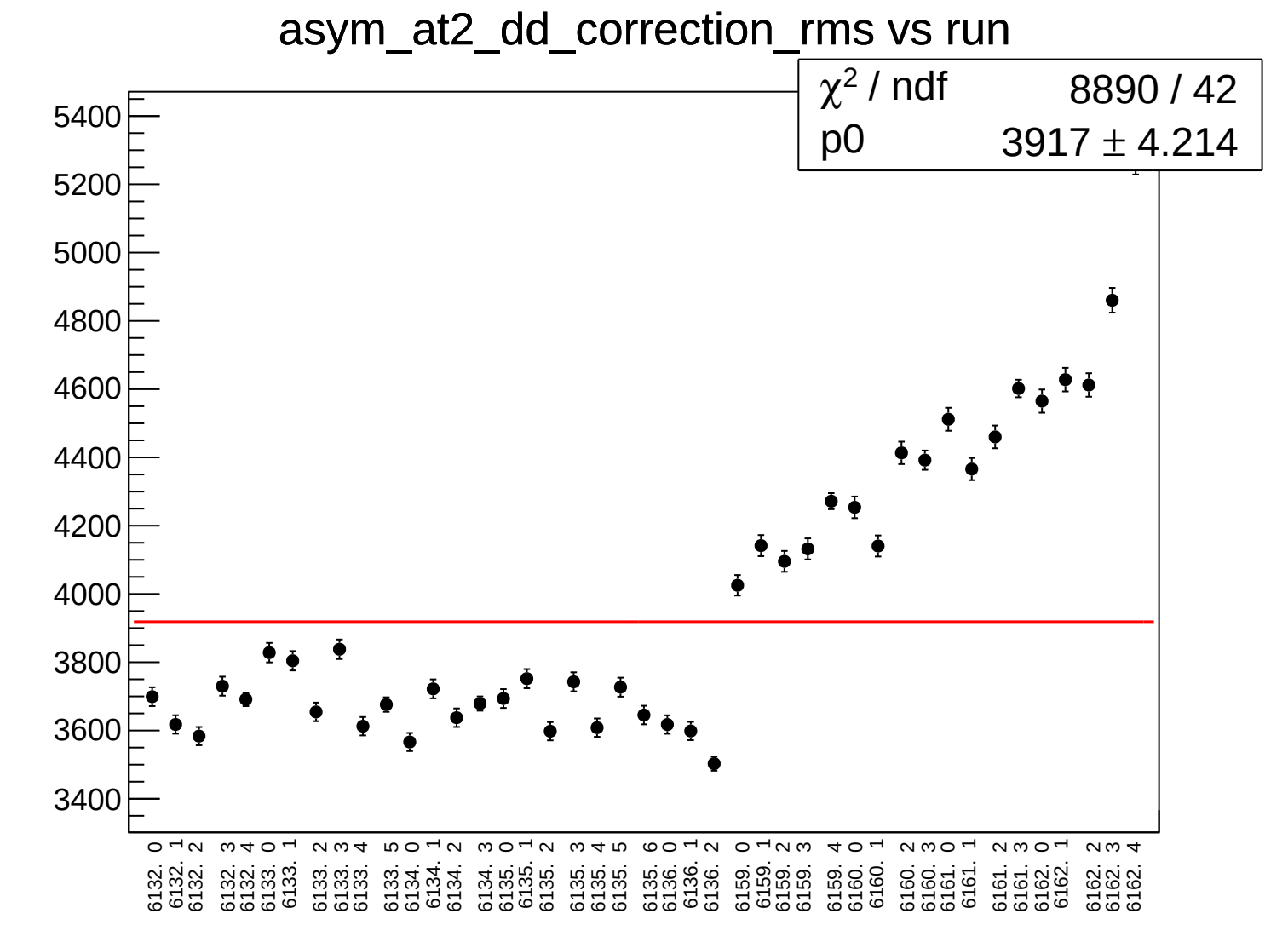

asym_at2_avg_rms vs run
χ² / ndf 3.03e+04 / 42
p0 7963 ± 8.675
14000
13000
12000
11000
10000
9000
8000
7000
6000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

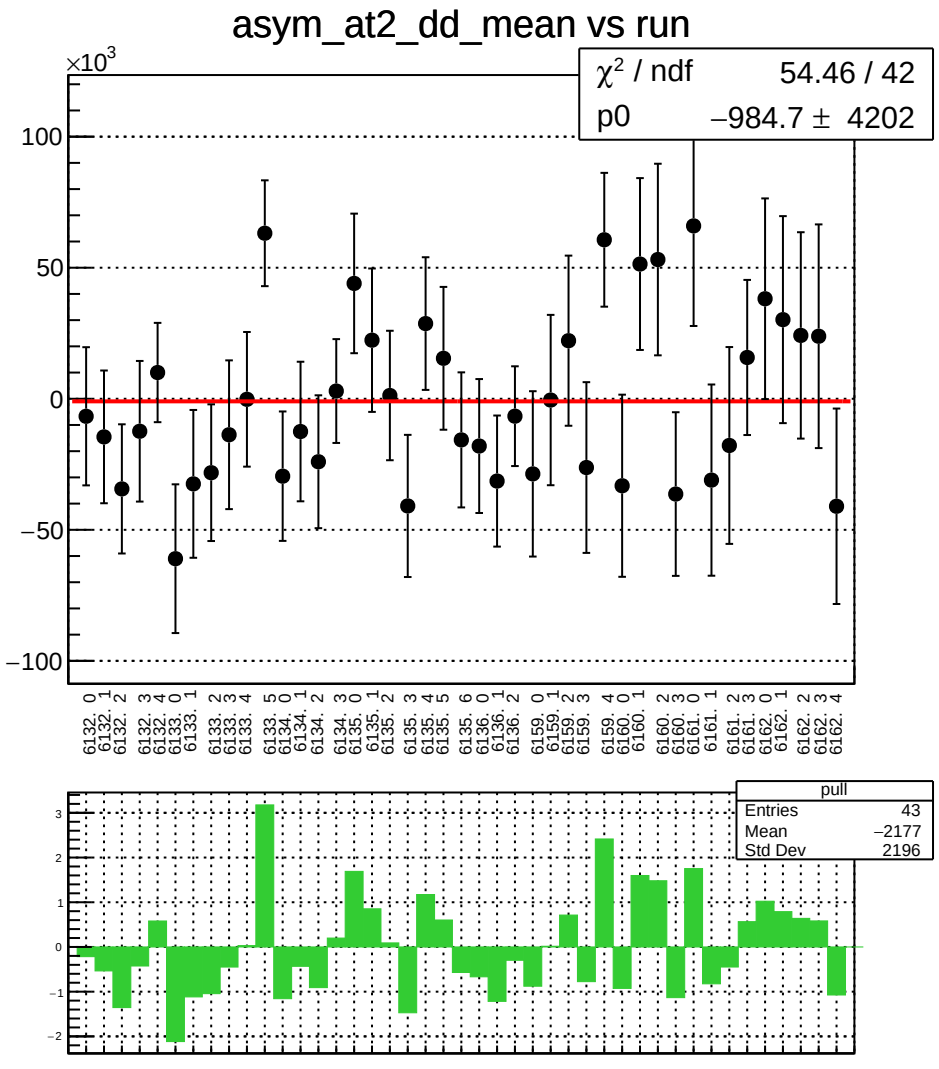

dit_asym_at2_dd_mean vs run
χ² / ndf 41.84 / 42
p0 −1121 ± 2388
40000
20000
0
−20000
−40000
−60000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 1.257
Std Dev 19.77
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean 0.02614
Std Dev 0.9861
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

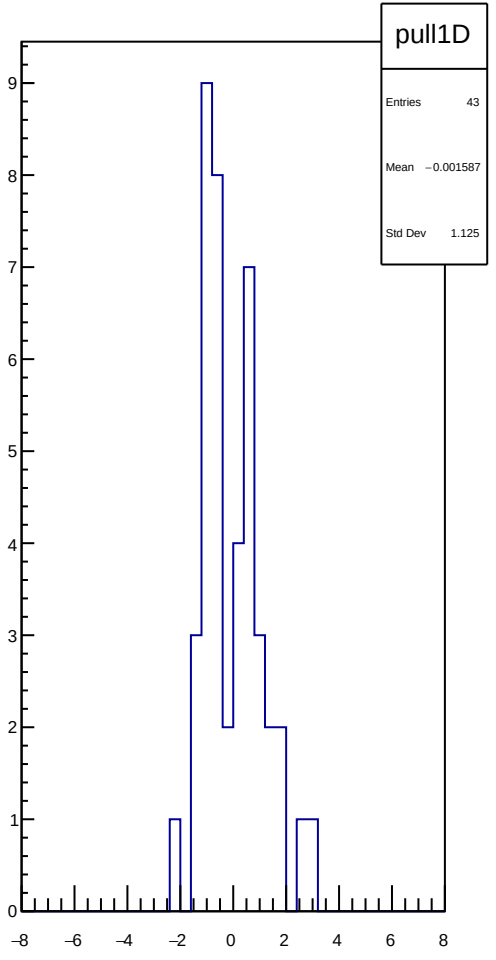

dit_asym_at2_dd_rms vs run
χ² / ndf 72.02 / 42
p0 1578 ± 1.689
1620
1600
1580
1560
1540
1520
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

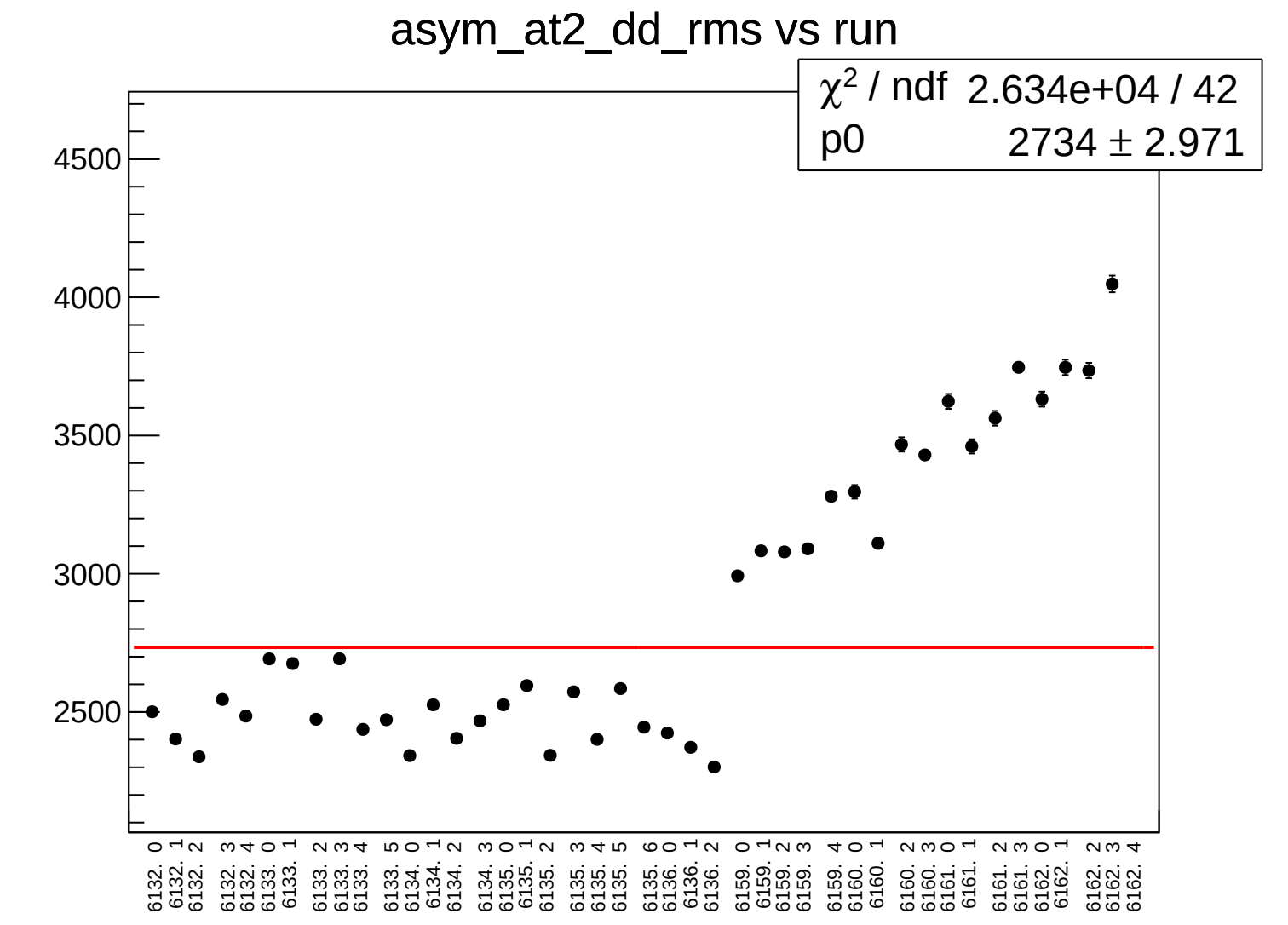

asym_at2_dd_correction_mean vs run
χ² / ndf 56.08 / 42
p0 −808.8 ± 5960
×10³
100
50
0
−50
−100
−150
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −124.1
Std Dev 143.4
2
1
0
−1
−2
−3

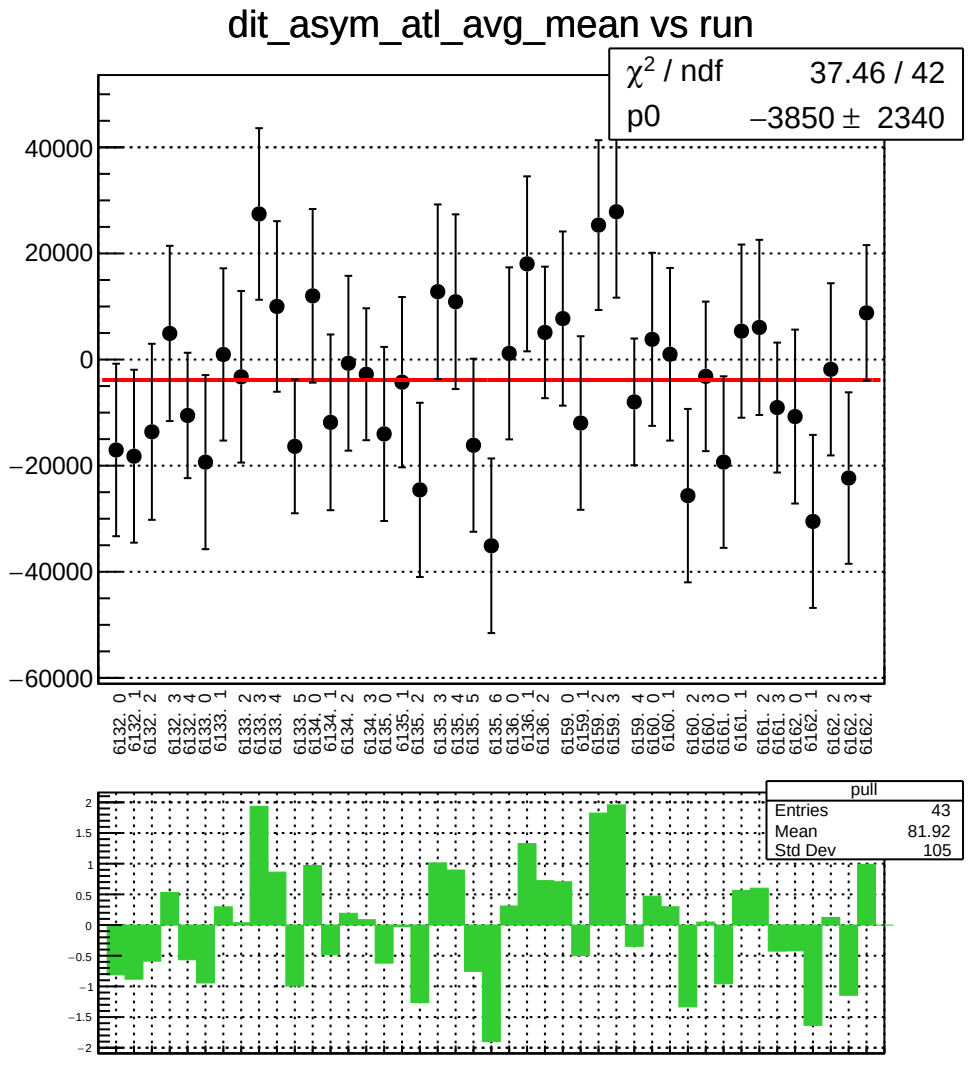

pull1D
Entries 43
Mean 0.01883
Std Dev 1.142
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

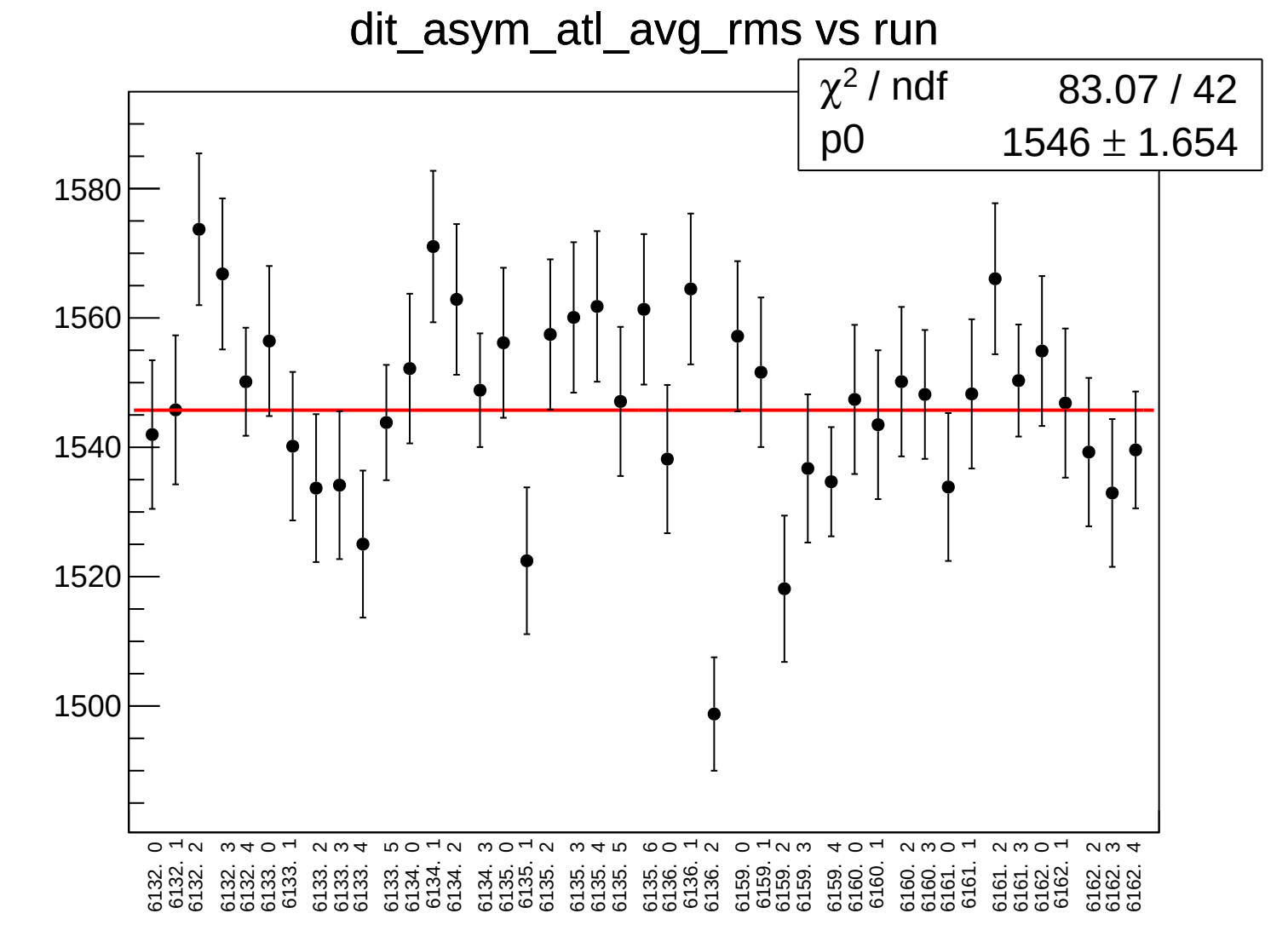

asym_at2_dd_correction_rms vs run
χ² / ndf 8890 / 42
p0 3917 ± 4.214
5400
5200
5000
4800
4600
4400
4200
4000
3800
3600
3400
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

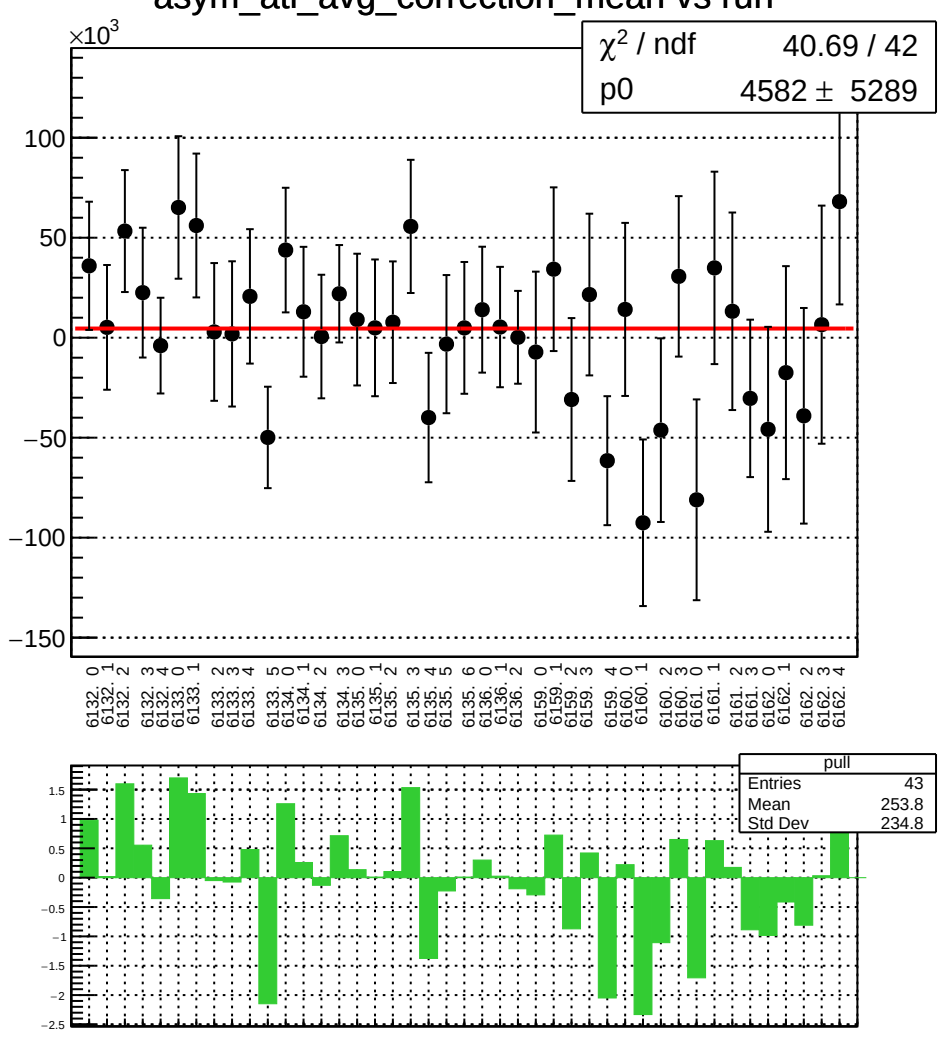

asym_at2_dd_mean vs run
×10^3
χ² / ndf 54.46 / 42
p0 −984.7 ± 4202
100
50
0
−50
−100
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −2177
Std Dev 2196
3
2
1
0
−1
−2

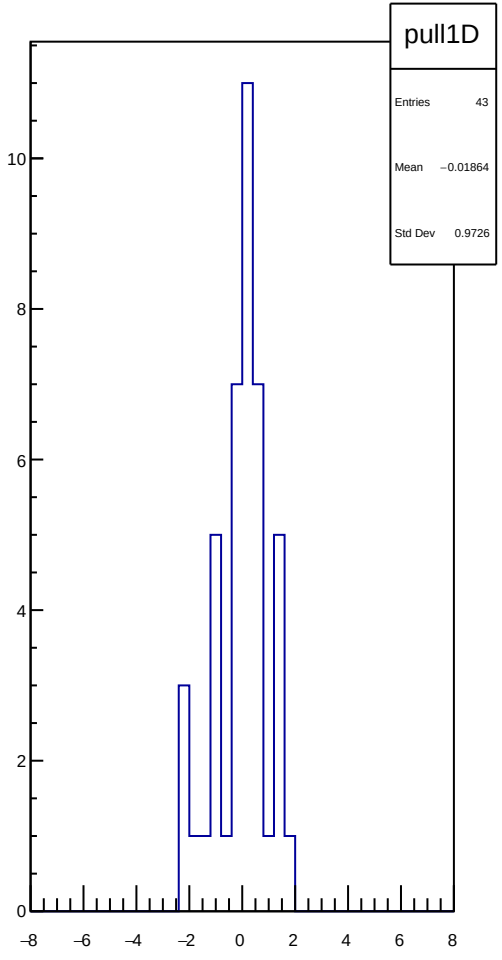

pull1D
Entries 43
Mean −0.001587
Std Dev 1.125
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

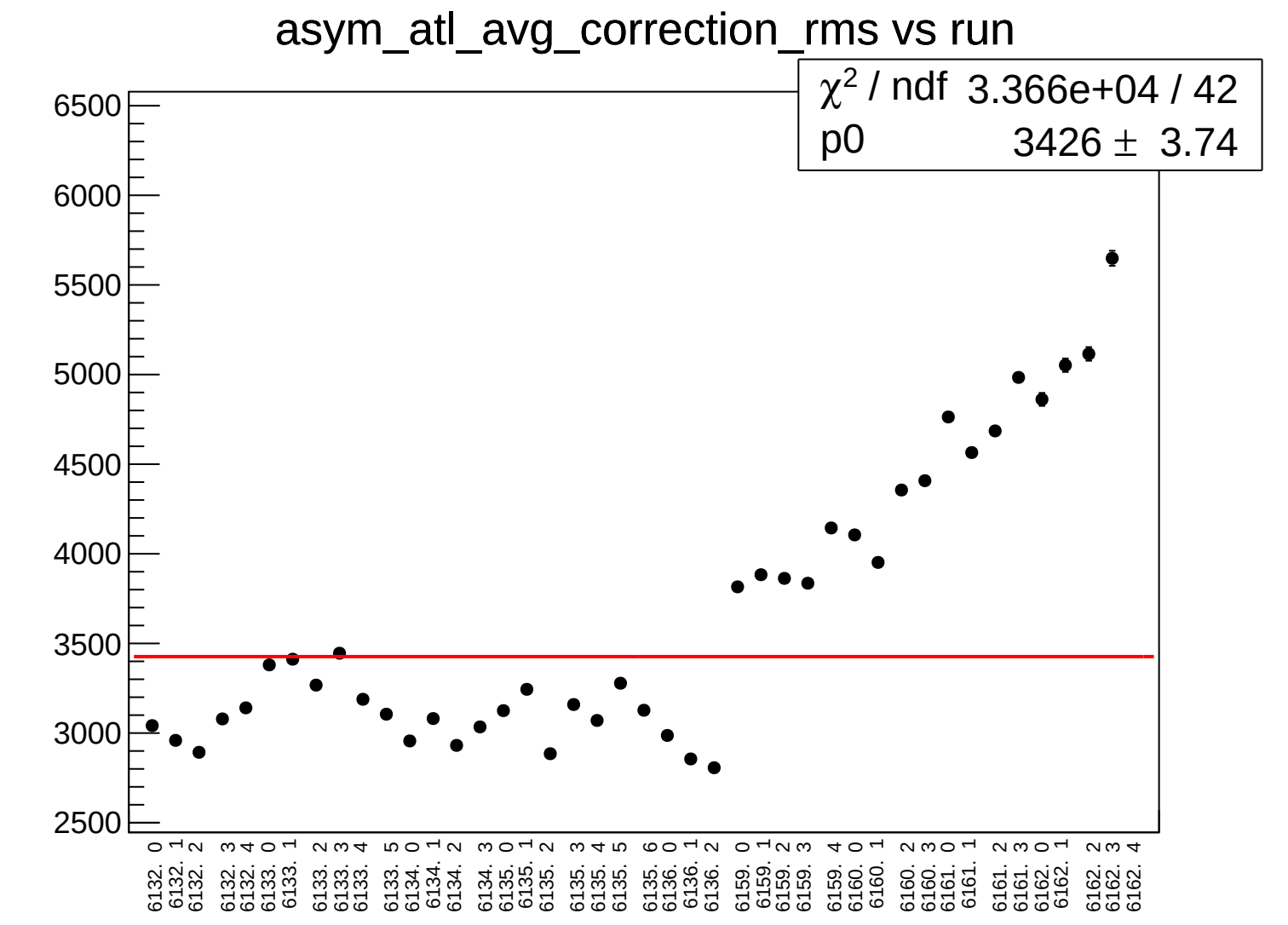

asym_at2_dd_rms vs run
χ² / ndf 2.634e+04 / 42
p0 2734 ± 2.971
4500
4000
3500
3000
2500
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

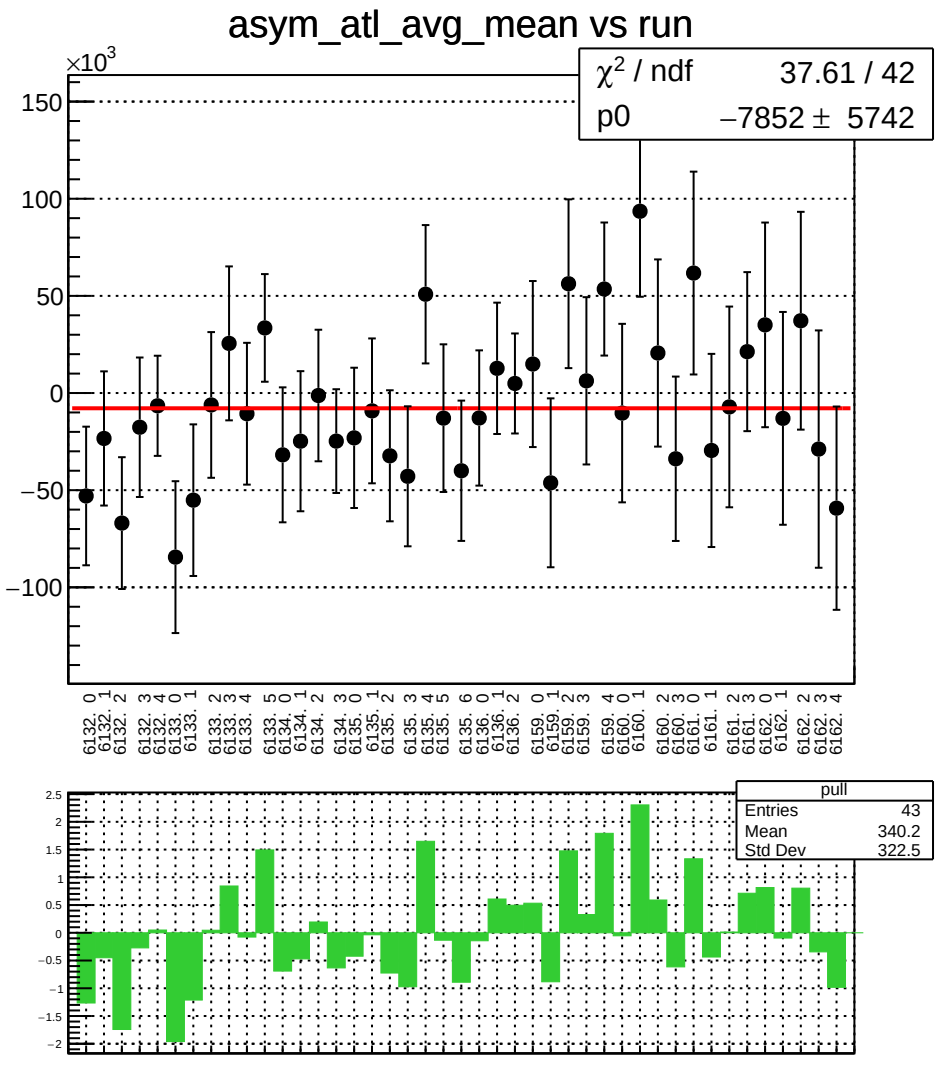

dit_asym_atl_avg_mean vs run
χ² / ndf 37.46 / 42
p0 −3850 ± 2340
40000
20000
0
−20000
−40000
−60000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 81.92
Std Dev 105
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.004086
Std Dev 0.9333
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

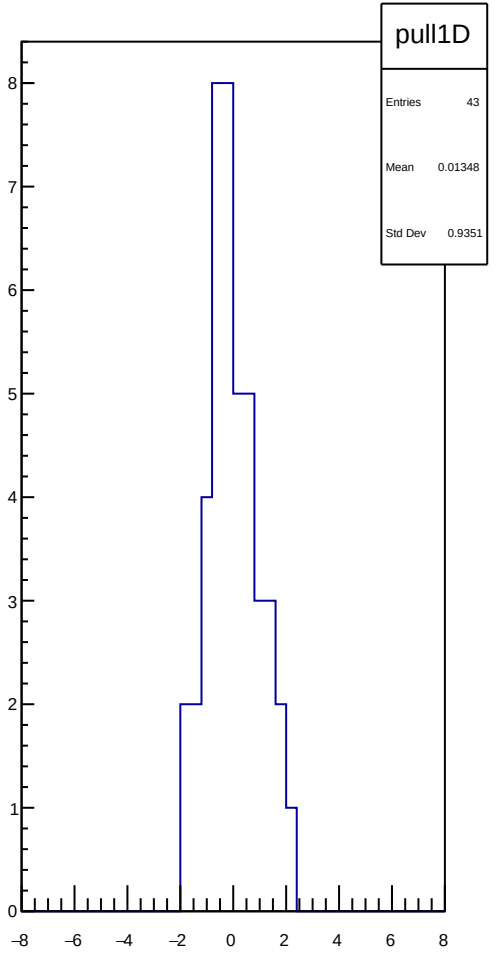

dit_asym_atl_avg_rms vs run
χ² / ndf 83.07 / 42
p0 1546 ± 1.654
1580
1560
1540
1520
1500
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

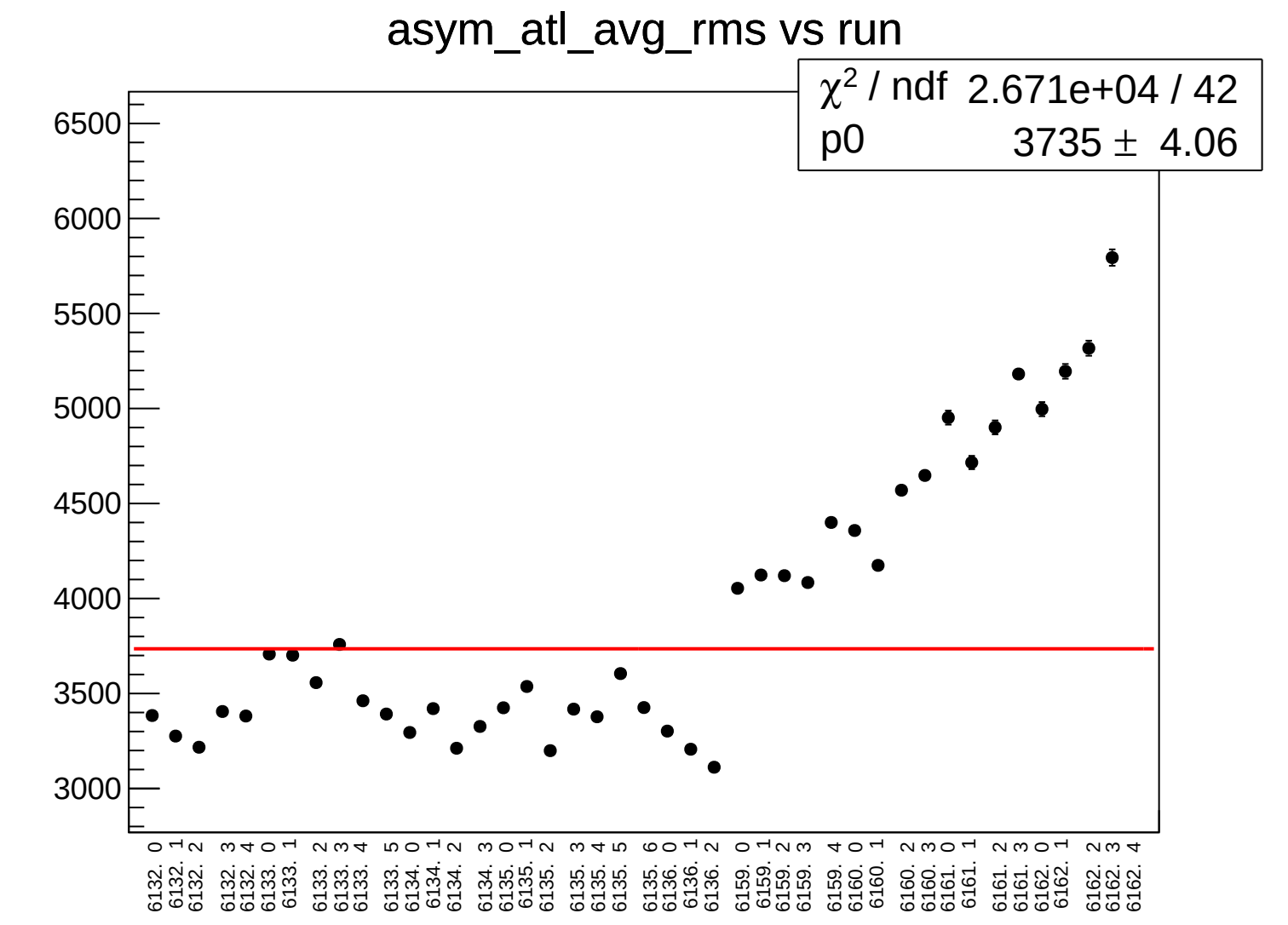

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 40.69 / 42
p0 4582 ± 5289
100
50
0
−50
−100
−150
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 253.8
Std Dev 234.8
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

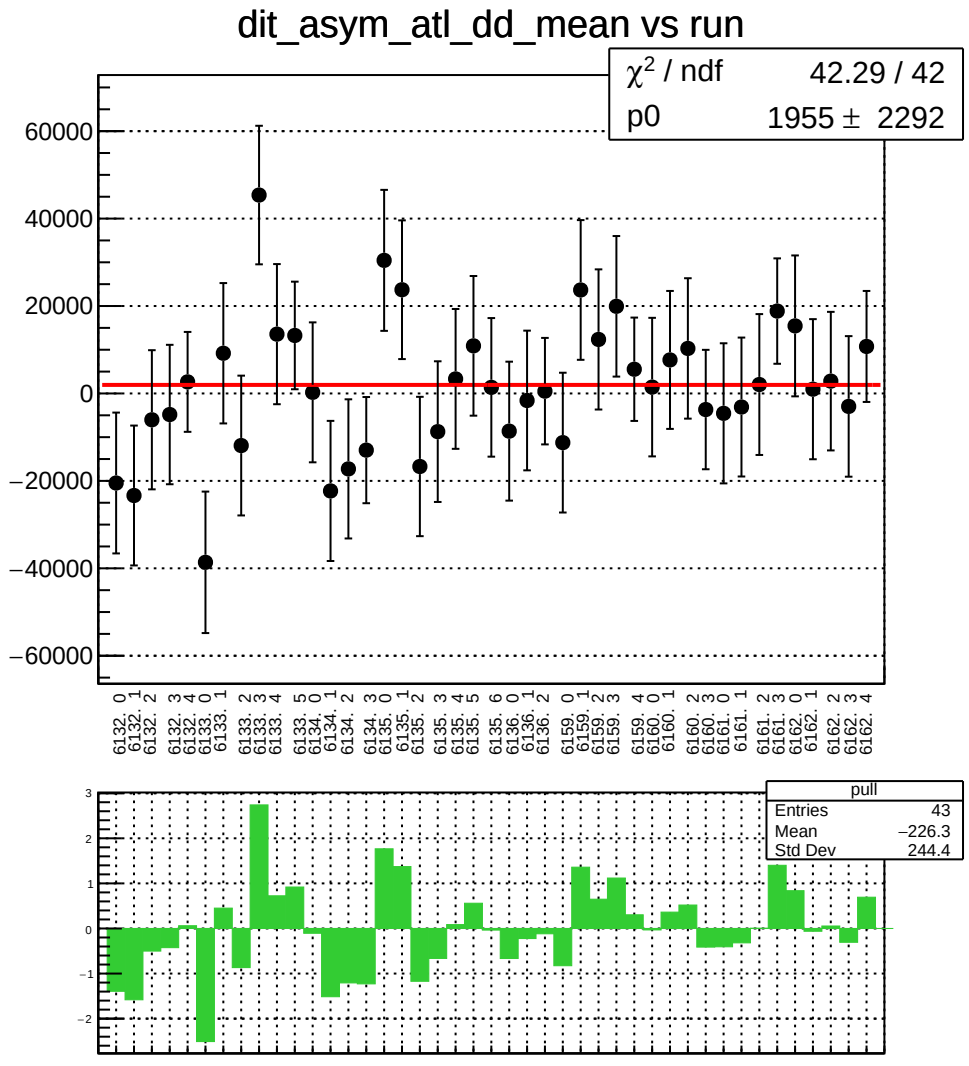

pull1D
Entries 43
Mean −0.01864
Std Dev 0.9726
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

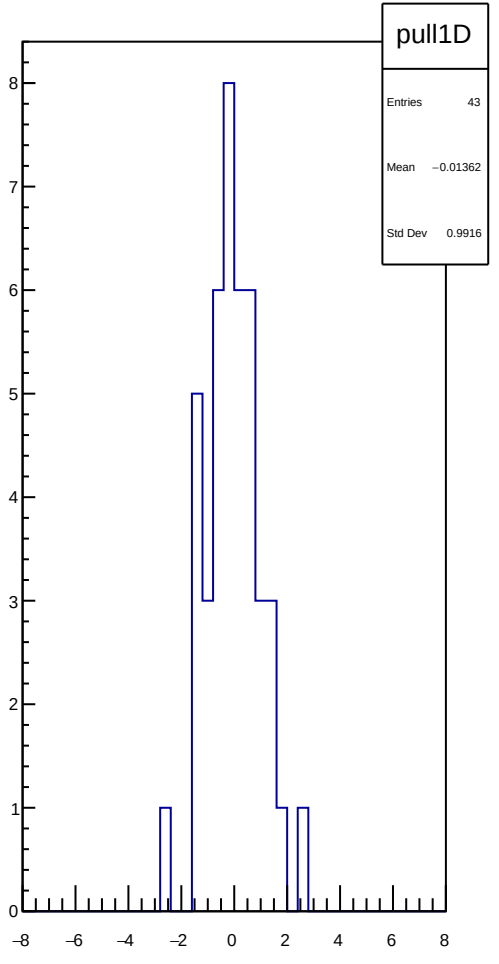

asym_atl_avg_correction_rms vs run
χ² / ndf 3.366e+04 / 42
p0 3426 ± 3.74
6500
6000
5500
5000
4500
4000
3500
3000
2500
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

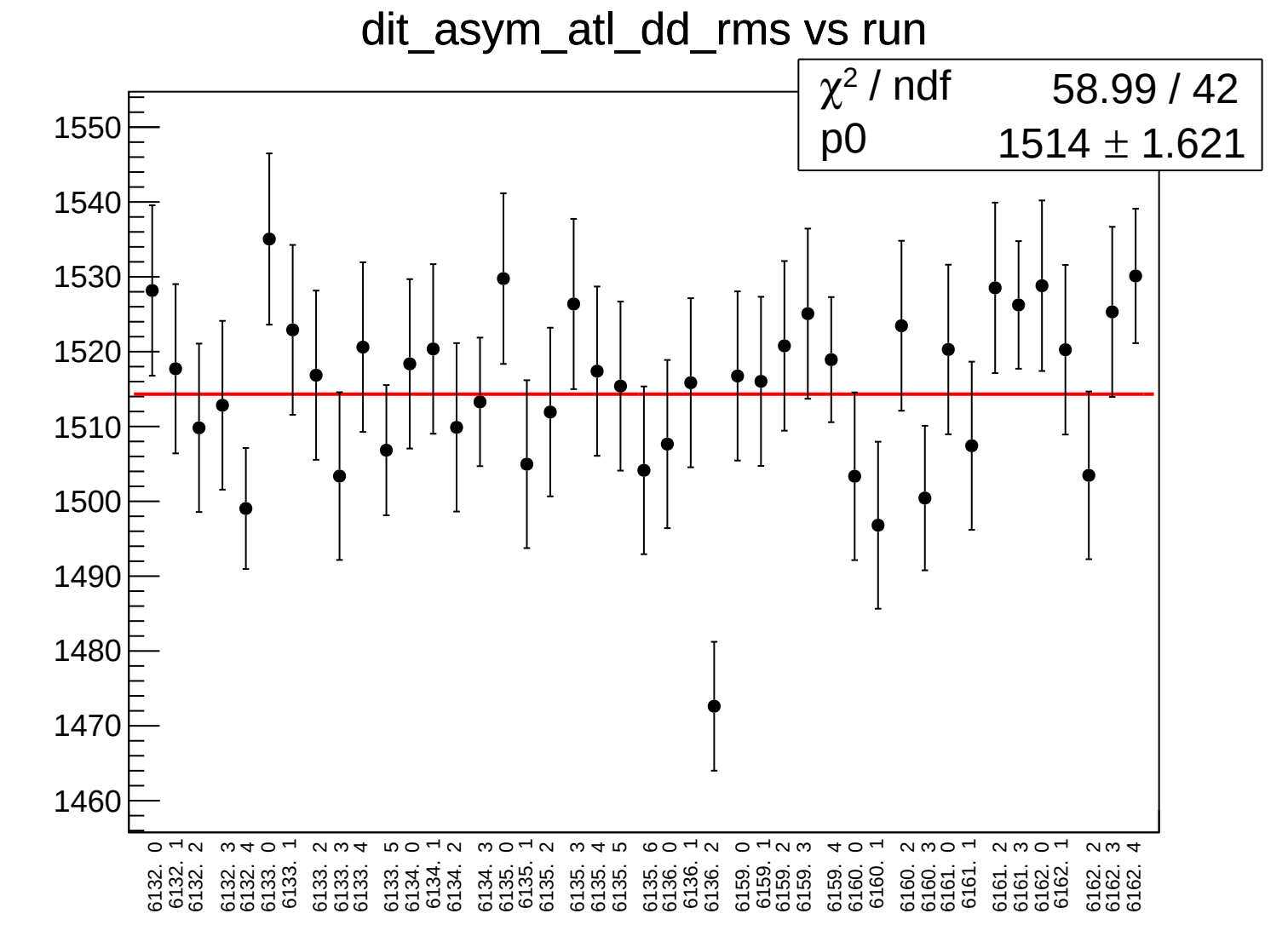

asym_atl_avg_mean vs run
×10^3
χ² / ndf 37.61 / 42
p0 −7852 ± 5742
150
100
50
0
−50
−100
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 340.2
Std Dev 322.5
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

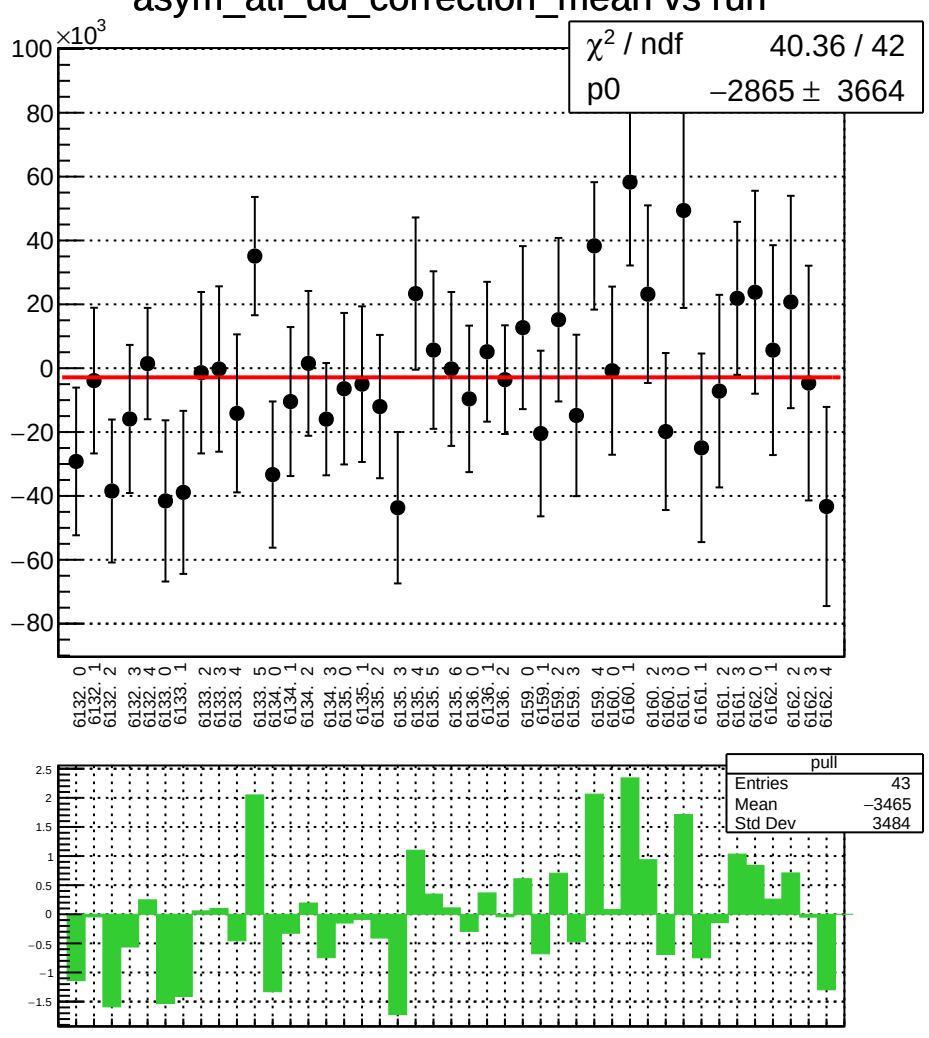

pull1D
Entries 43
Mean 0.01348
Std Dev 0.9351
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

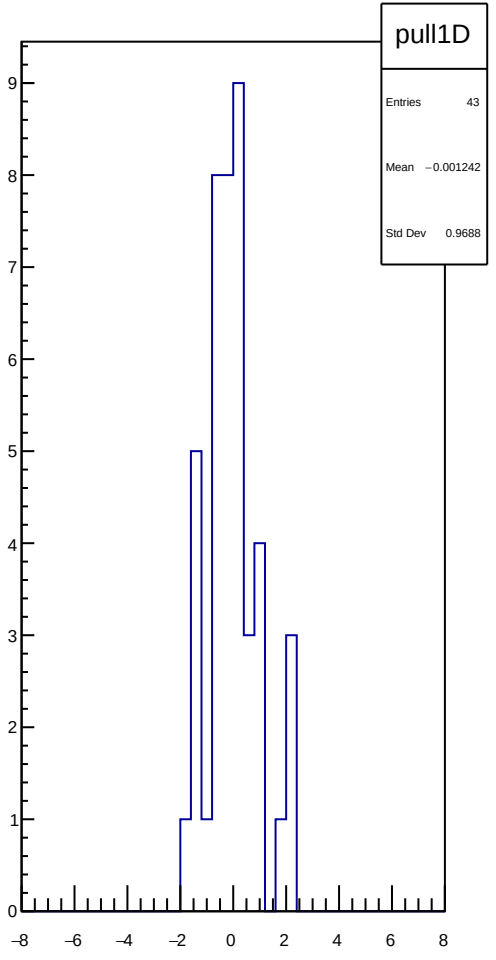

asym_atl_avg_rms vs run
χ² / ndf 2.671e+04 / 42
p0 3735 ± 4.06
6500
6000
5500
5000
4500
4000
3500
3000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

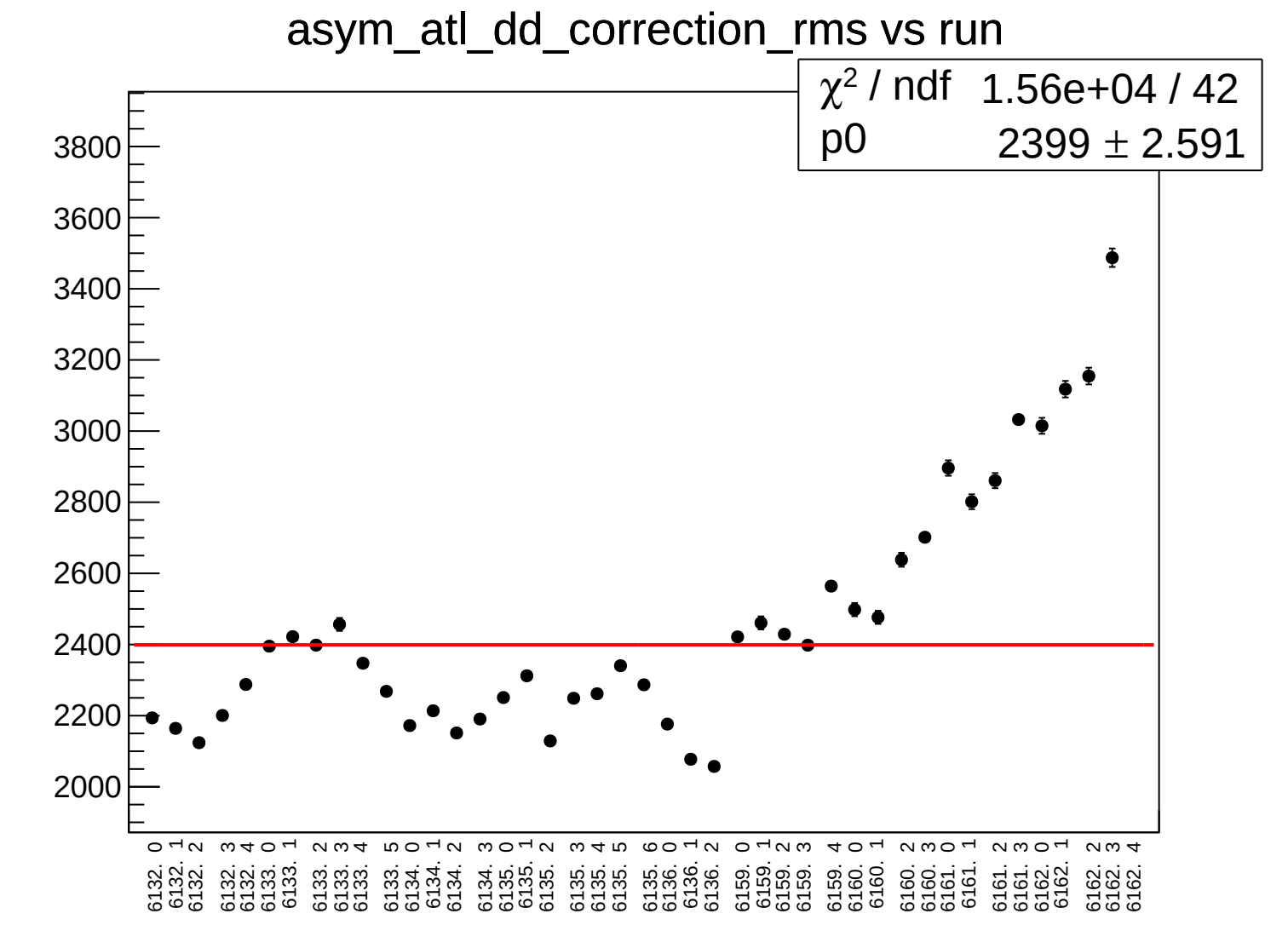

dit_asym_atl_dd_mean vs run
χ² / ndf 42.29 / 42
p0 1955 ± 2292
60000
40000
20000
0
−20000
−40000
−60000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −226.3
Std Dev 244.4
3
2
1
0
−1
−2

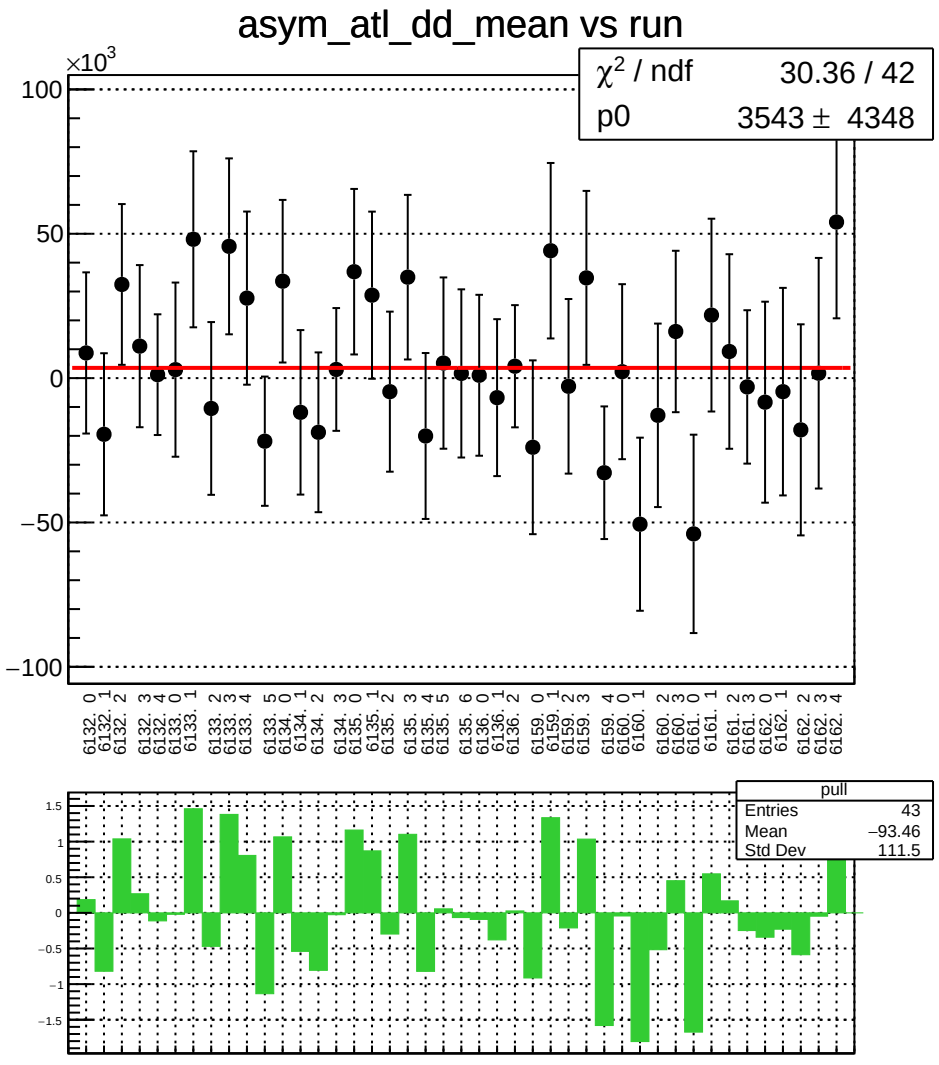

pull1D
Entries 43
Mean −0.01362
Std Dev 0.9916
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

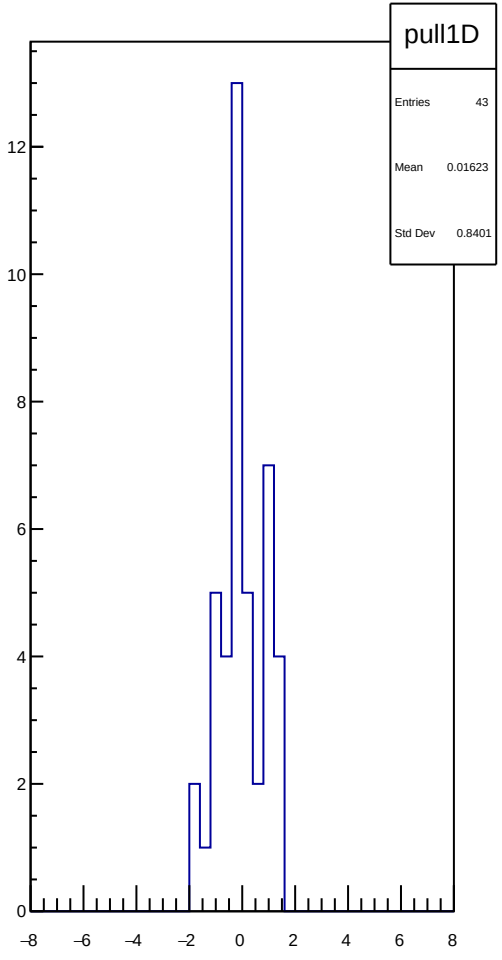

dit_asym_atl_dd_rms vs run
χ² / ndf 58.99 / 42
p0 1514 ± 1.621
1550
1540
1530
1520
1510
1500
1490
1480
1470
1460
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

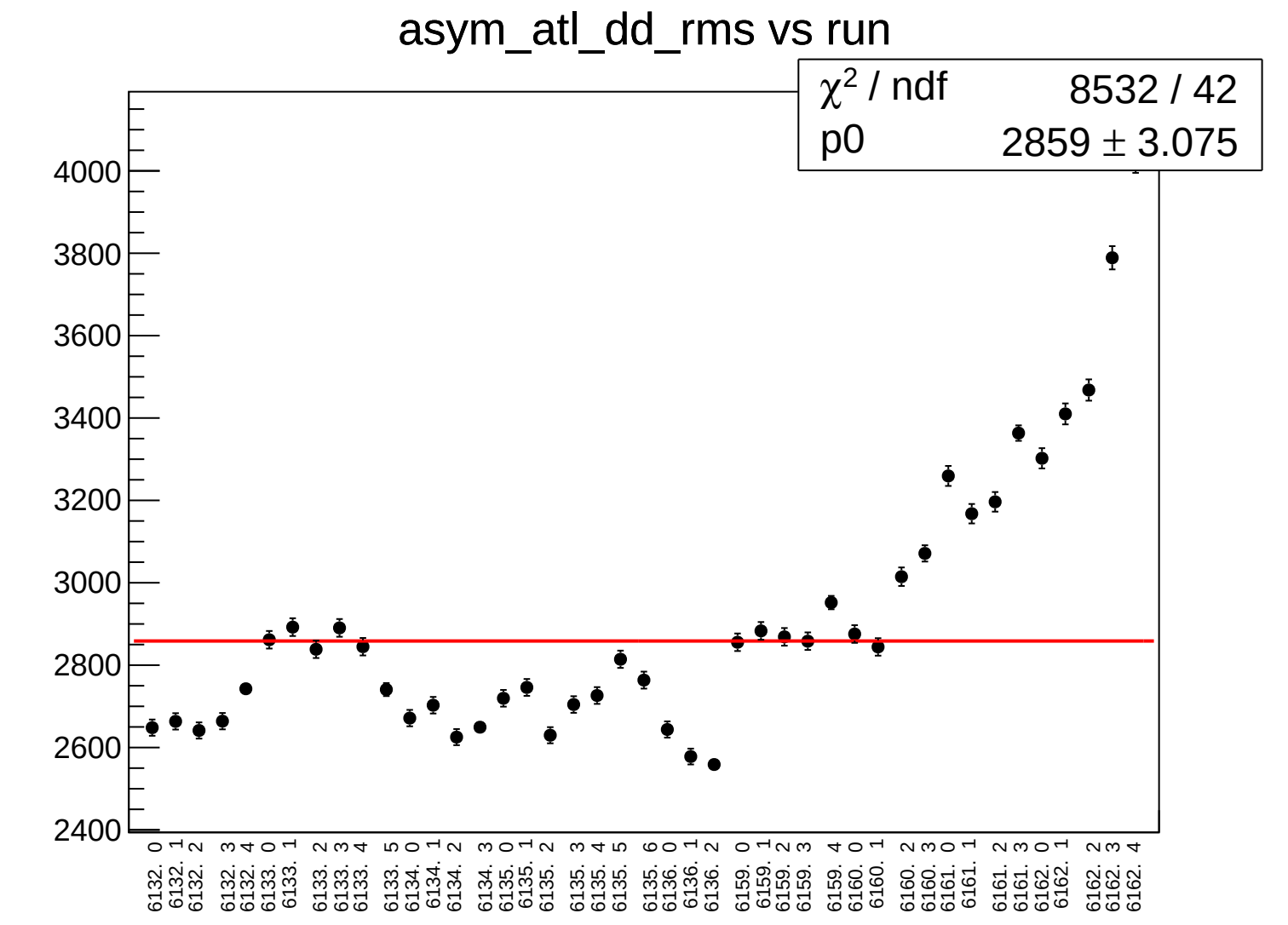

asym_atl_dd_correction_mean vs run
χ² / ndf 40.36 / 42
p0 −2865 ± 3664
×10³
pull
Entries 43
Mean −3465
Std Dev 3484

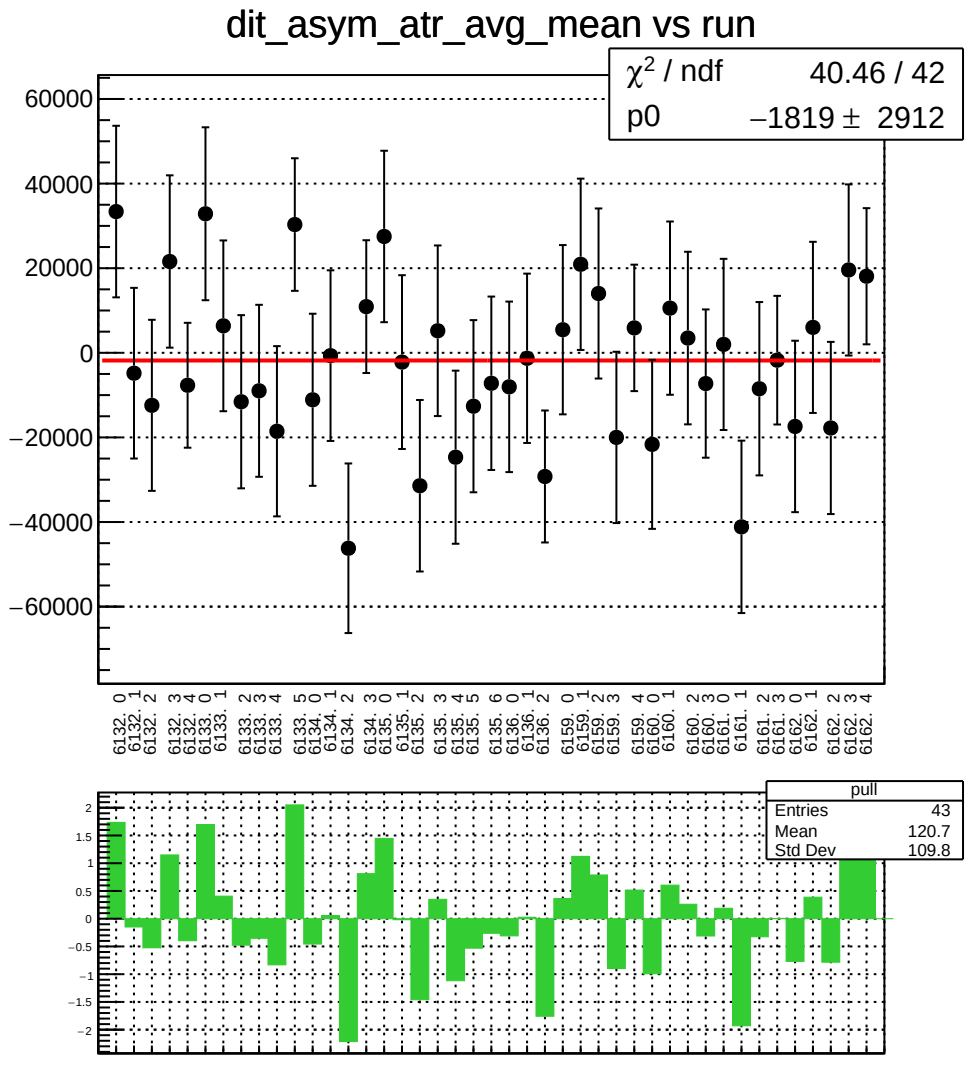

pull1D
Entries 43
Mean −0.001242
Std Dev 0.9688

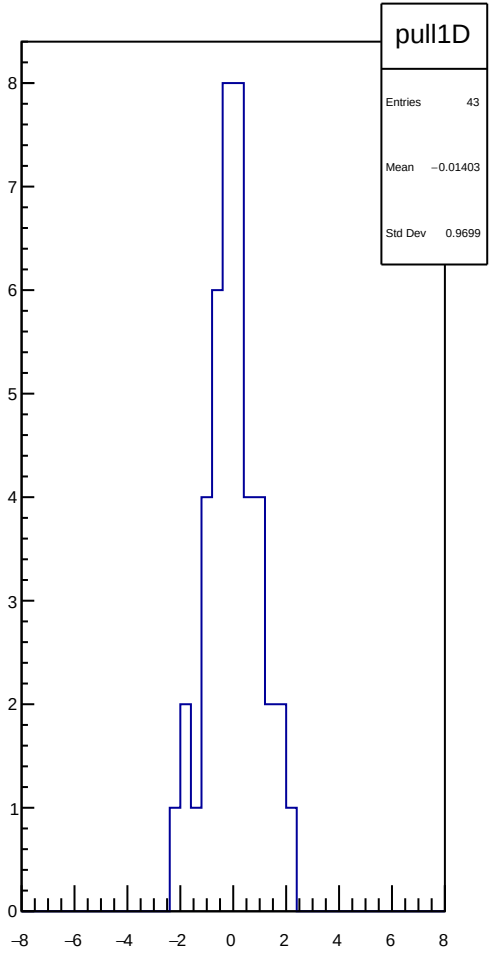

asym_atl_dd_correction_rms vs run
χ² / ndf 1.56e+04 / 42
p0 2399 ± 2.591
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

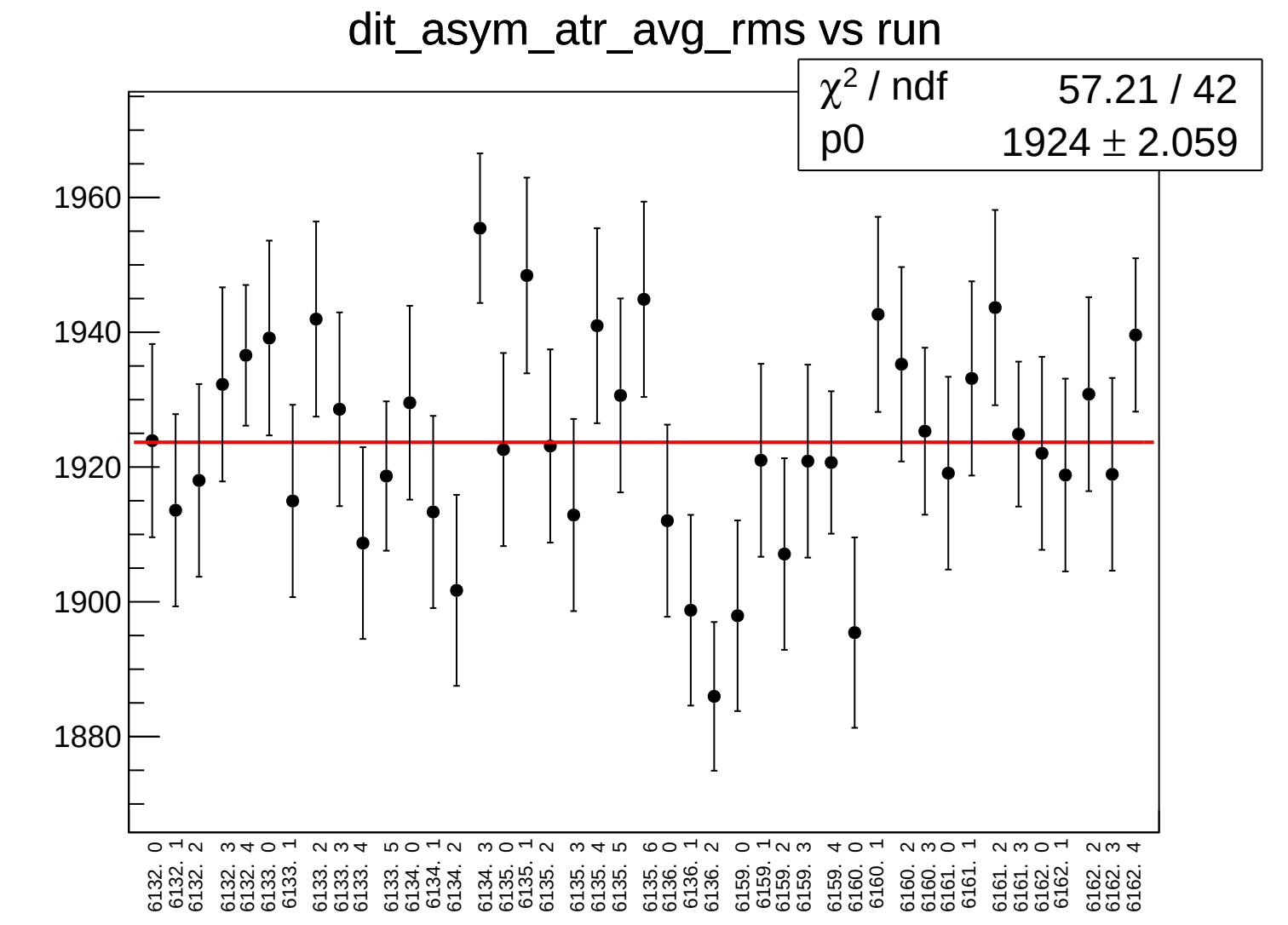

asym_atl_dd_mean vs run
×10^3
χ² / ndf 30.36 / 42
p0 3543 ± 4348
100
50
0
−50
−100
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −93.46
Std Dev 111.5
1.5
1
0.5
0
−0.5
−1
−1.5

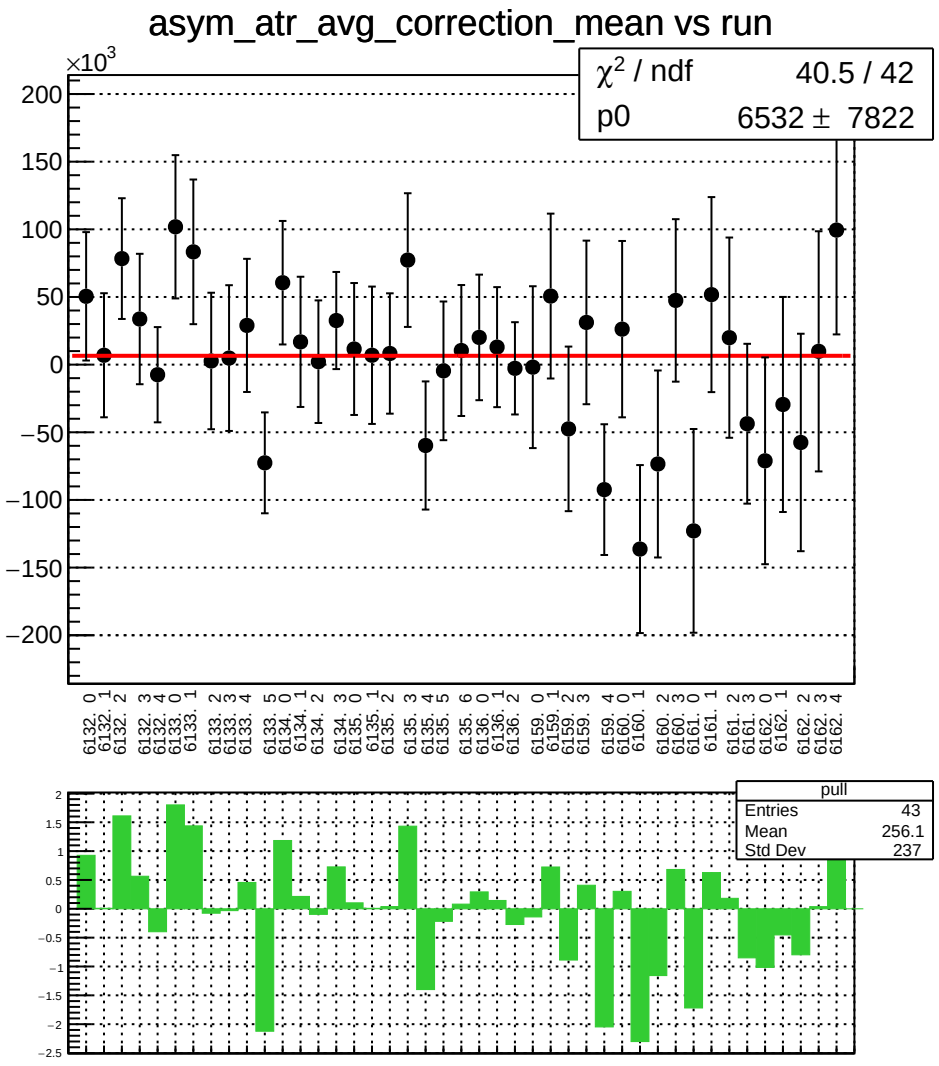

pull1D
Entries 43
Mean 0.01623
Std Dev 0.8401
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

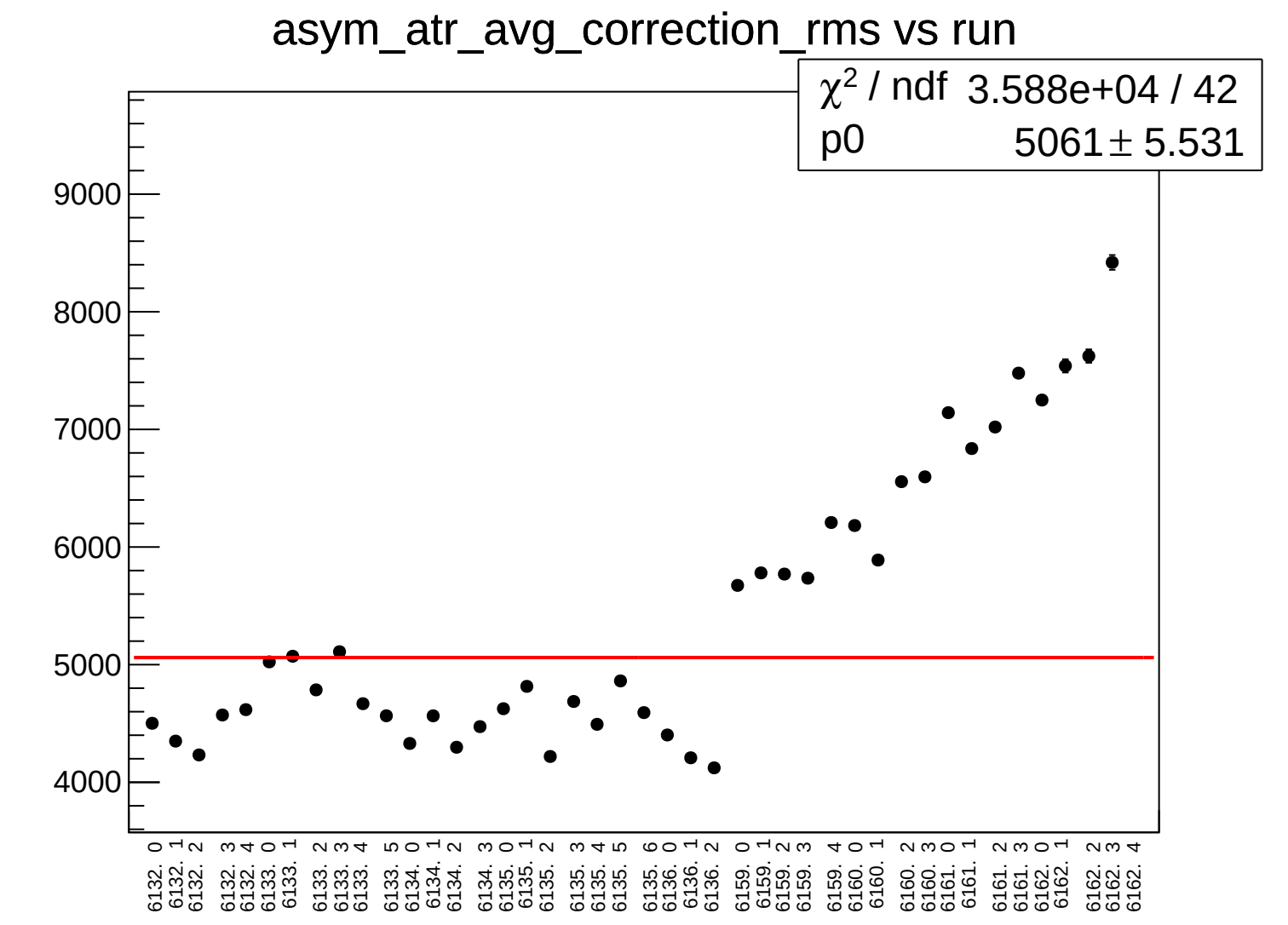

asym_atl_dd_rms vs run
χ² / ndf 8532 / 42
p0 2859 ± 3.075
4000
3800
3600
3400
3200
3000
2800
2600
2400
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

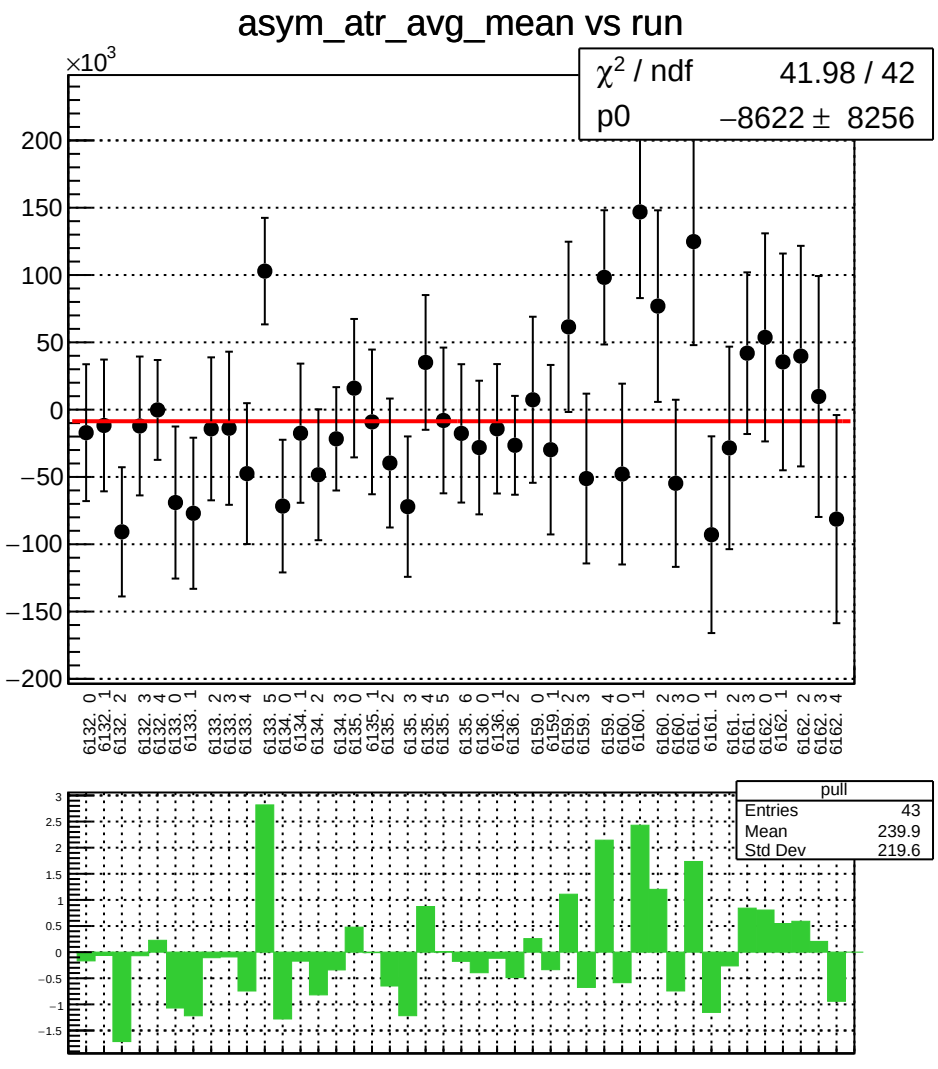

dit_asym_atr_avg_mean vs run
χ² / ndf 40.46 / 42
p0 −1819 ± 2912
60000
40000
20000
0
−20000
−40000
−60000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 120.7
Std Dev 109.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

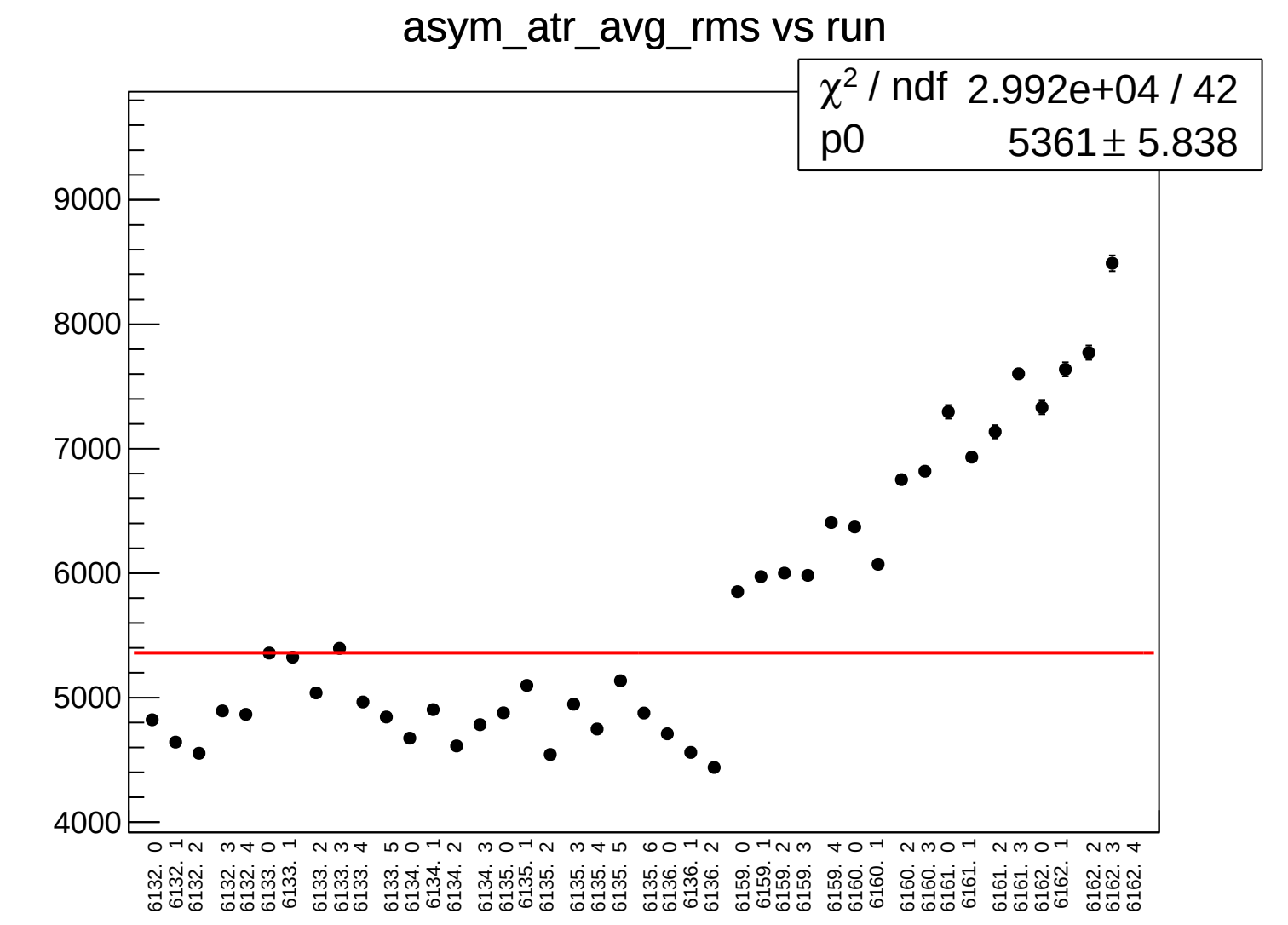

pull1D
Entries 43
Mean −0.01403
Std Dev 0.9699
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

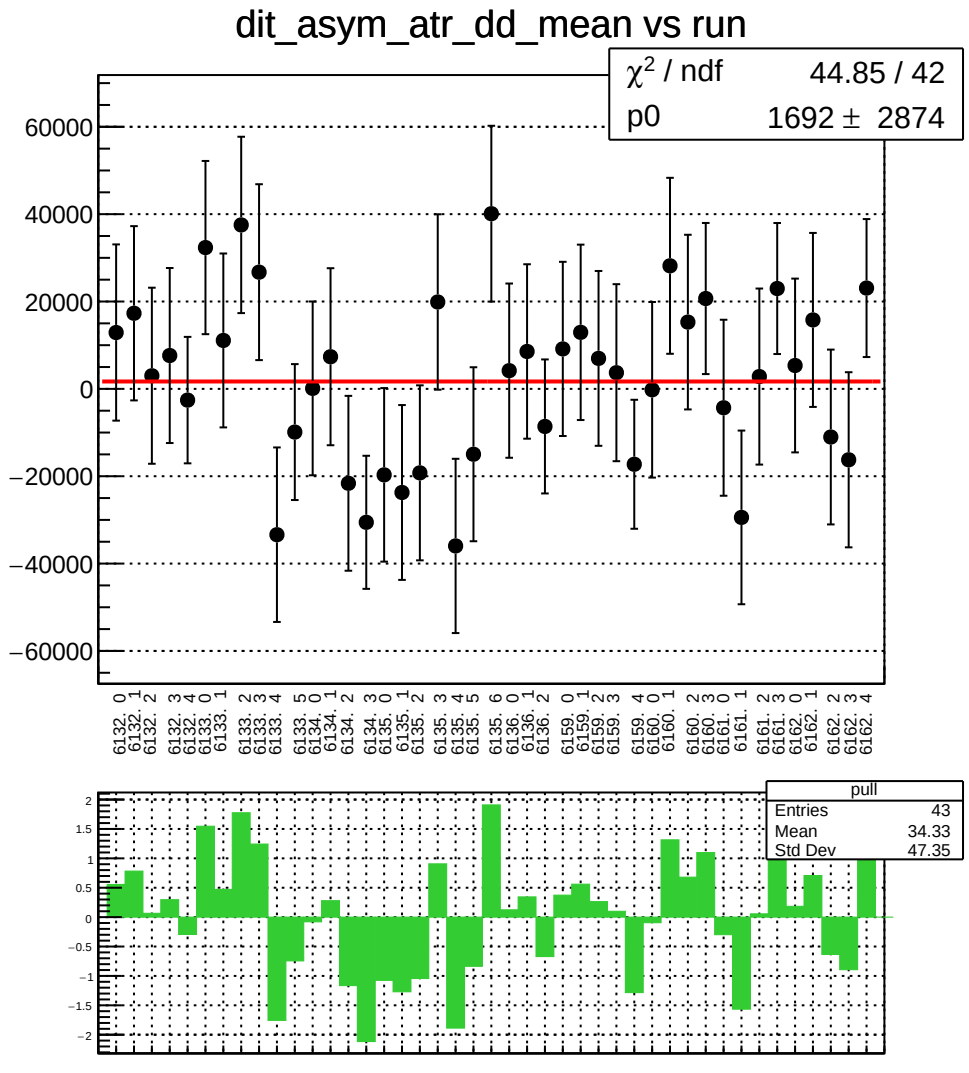

dit_asym_atr_avg_rms vs run
χ² / ndf 57.21 / 42
p0 1924 ± 2.059
1960
1940
1920
1900
1880
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

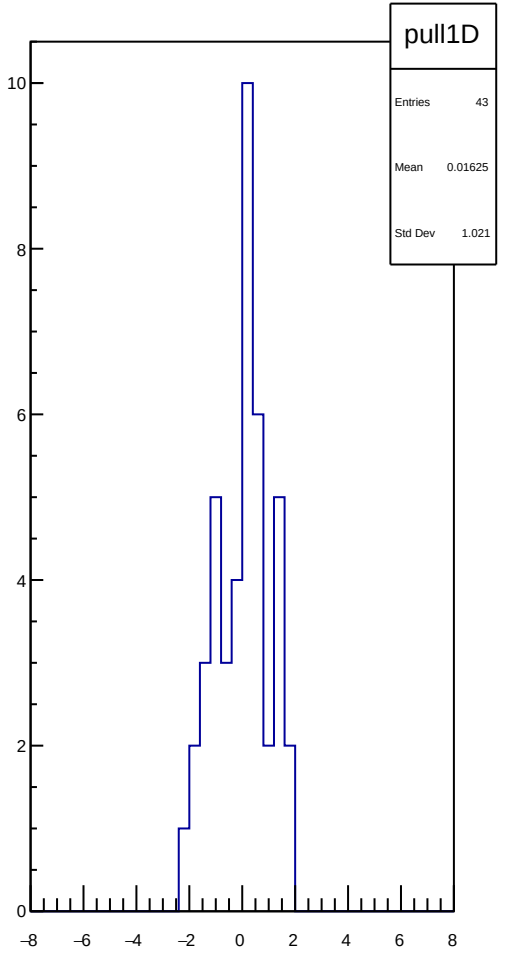

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 40.5 / 42
p0 6532 ± 7822
200
150
100
50
0
−50
−100
−150
−200
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 256.1
Std Dev 237
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean −0.0183
Std Dev 0.9703
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

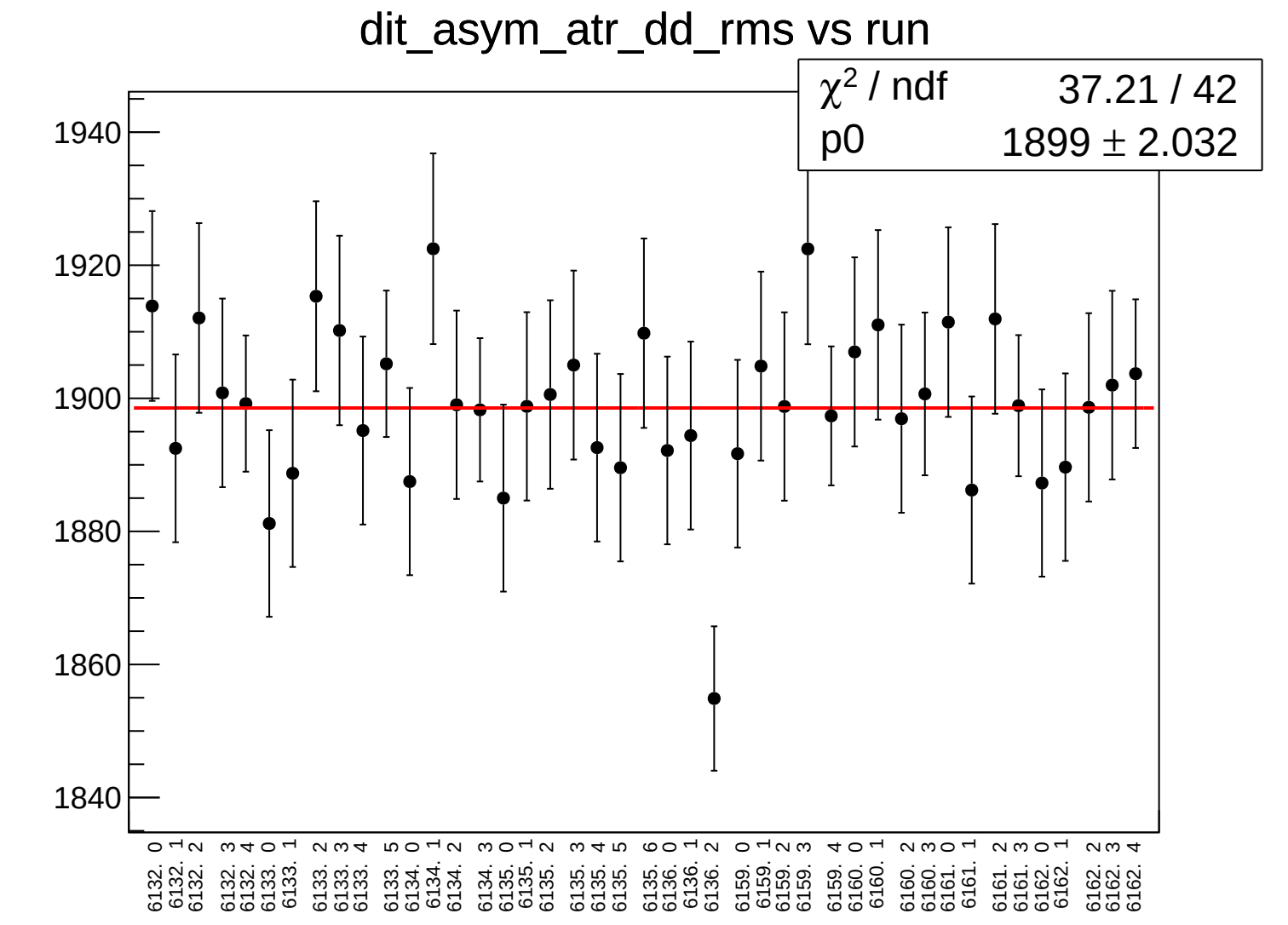

asym_atr_avg_correction_rms vs run
χ² / ndf 3.588e+04 / 42
p0 5061 ± 5.531
9000
8000
7000
6000
5000
4000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

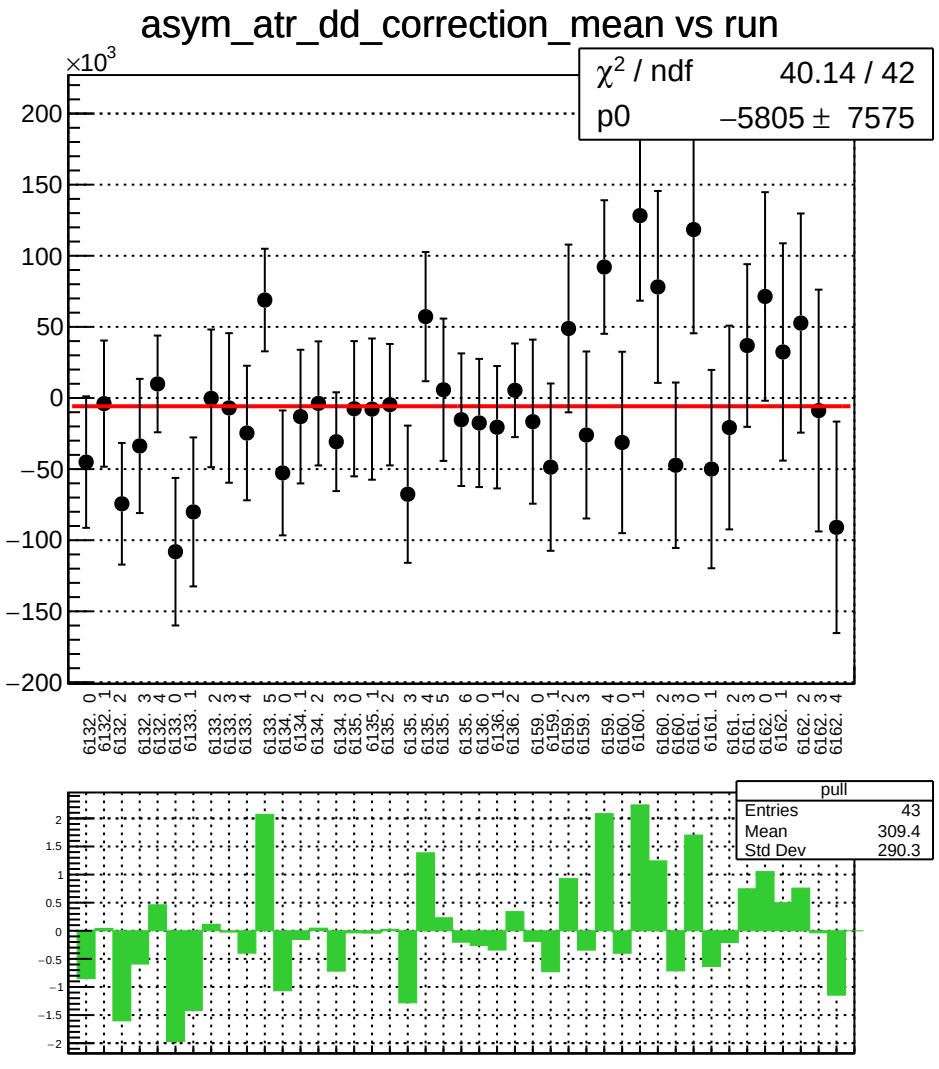

asym_atr_avg_mean vs run
×10^3
χ² / ndf 41.98 / 42
p0 −8622 ± 8256
200
150
100
50
0
−50
−100
−150
−200
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 239.9
Std Dev 219.6
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.016
Std Dev 0.988
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

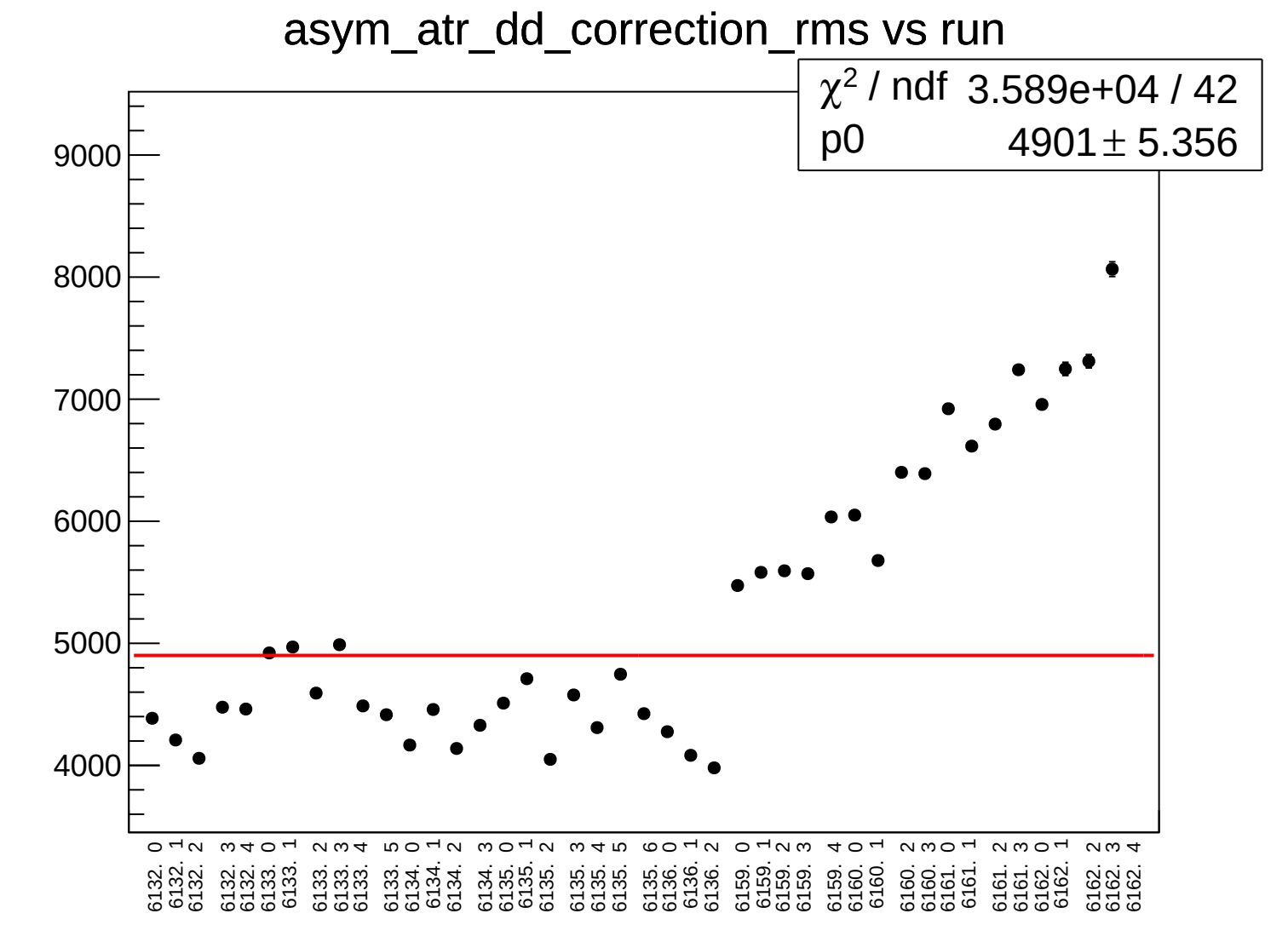

asym_atr_avg_rms vs run
χ² / ndf 2.992e+04 / 42
p0 5361 ± 5.838
9000
8000
7000
6000
5000
4000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

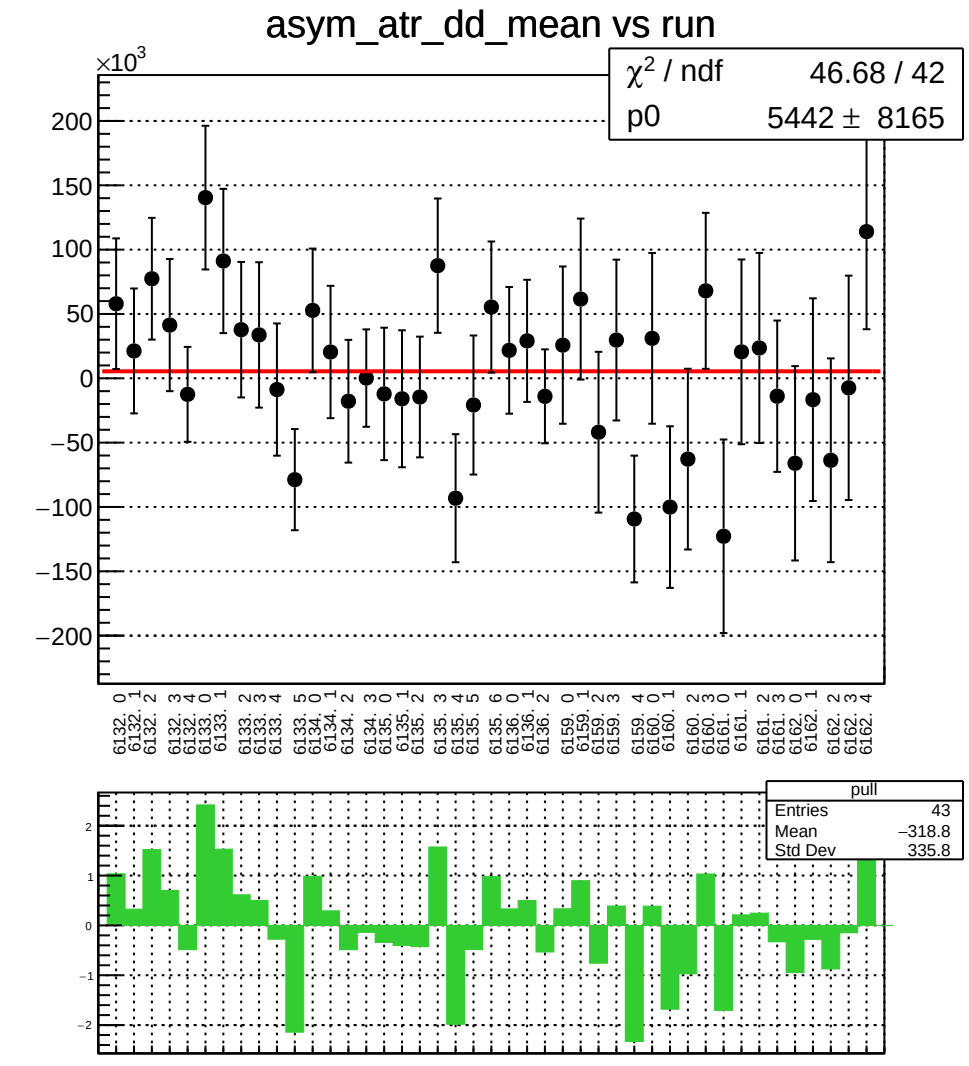

dit_asym_atr_dd_mean vs run
χ² / ndf 44.85 / 42
p0 1692 ± 2874
60000
40000
20000
0
−20000
−40000
−60000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 34.33
Std Dev 47.35
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

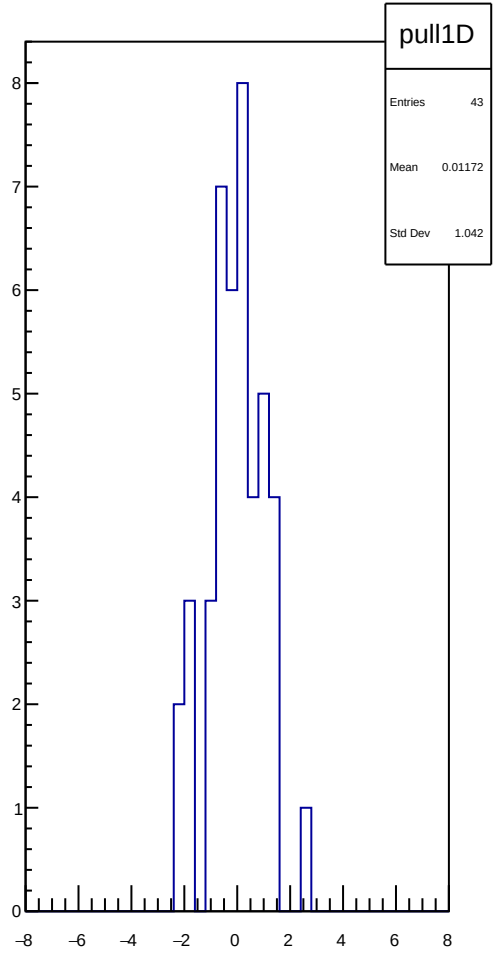

pull1D
Entries 43
Mean 0.01625
Std Dev 1.021
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

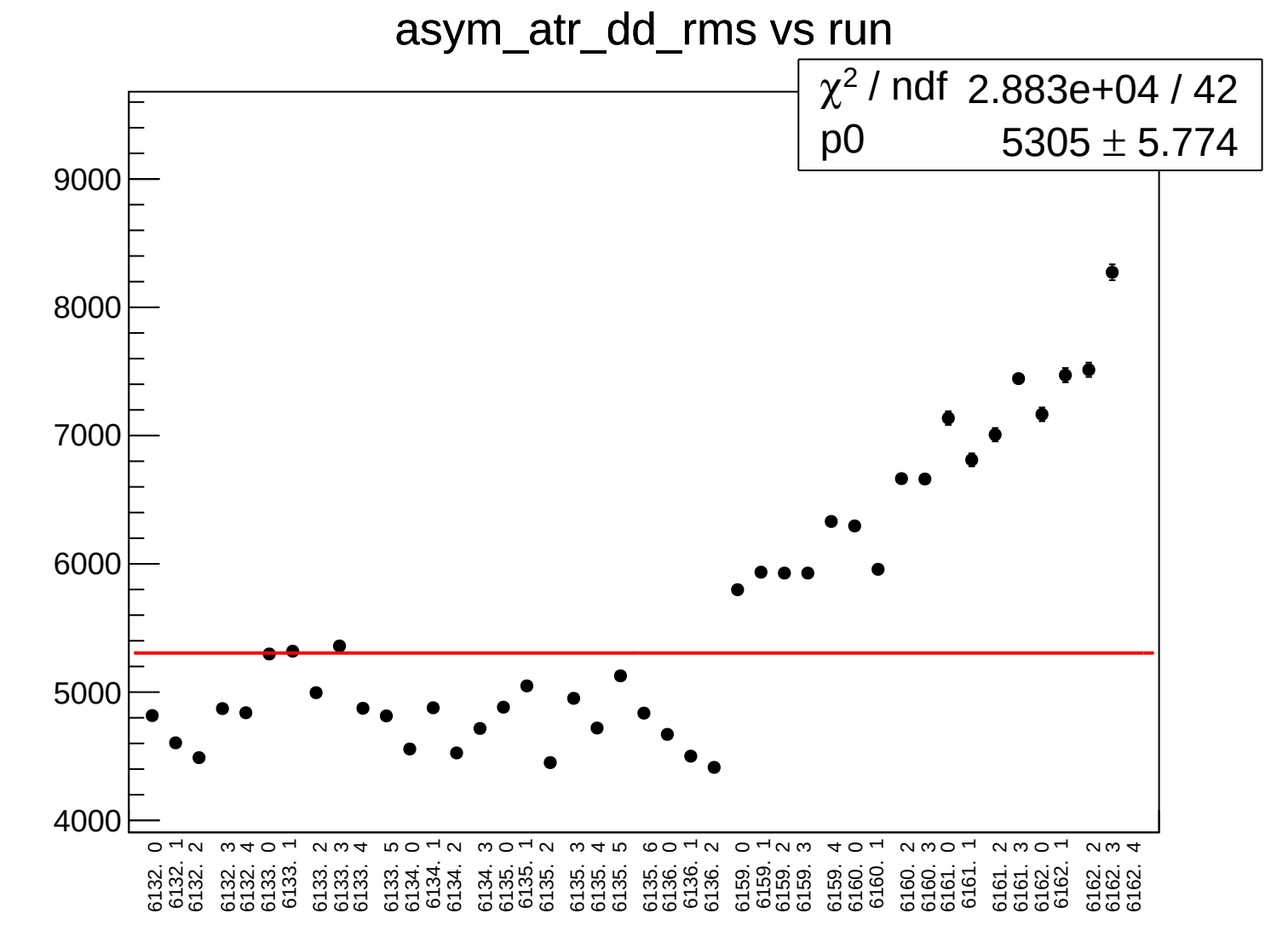

dit_asym_atr_dd_rms vs run
χ² / ndf 37.21 / 42
p0 1899 ± 2.032
1940
1920
1900
1880
1860
1840
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

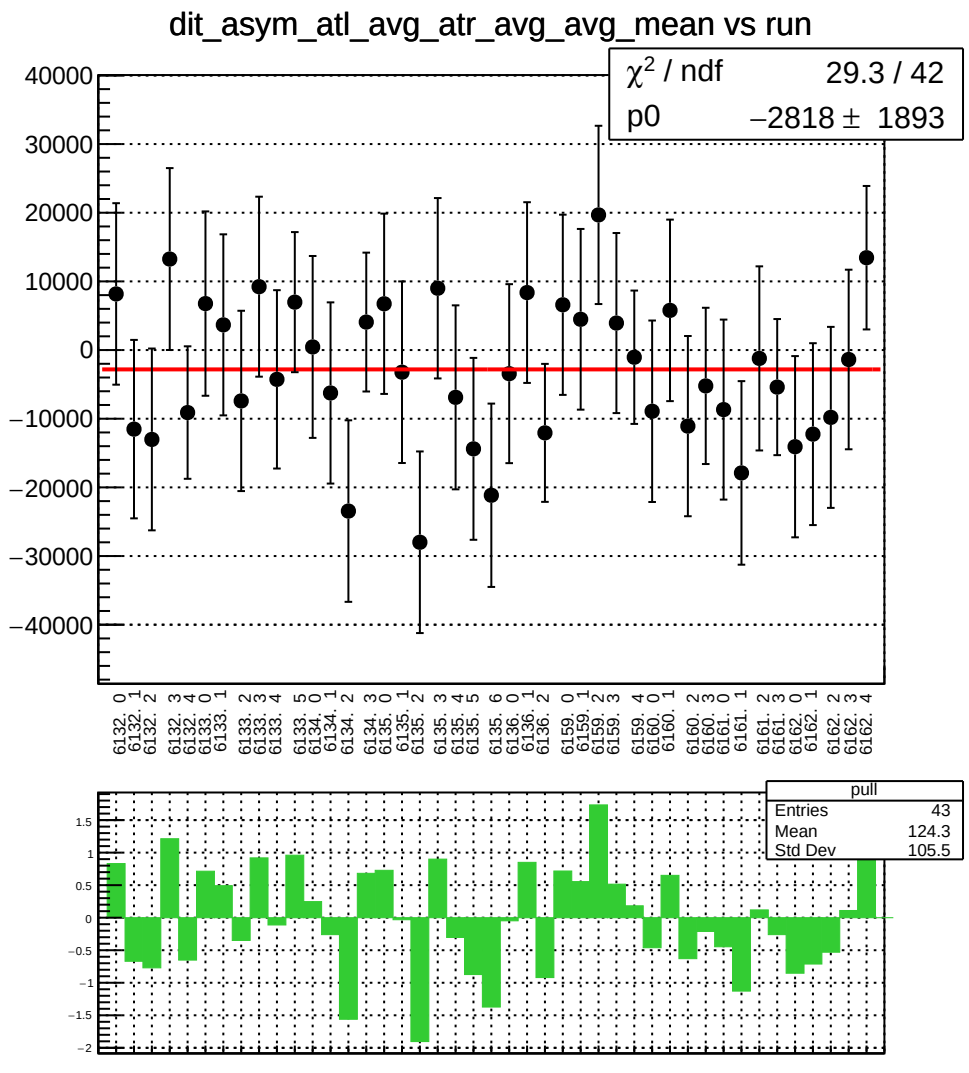

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 40.14 / 42
p0 −5805 ± 7575
200
150
100
50
0
−50
−100
−150
−200
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 309.4
Std Dev 290.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.01452
Std Dev 0.966
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

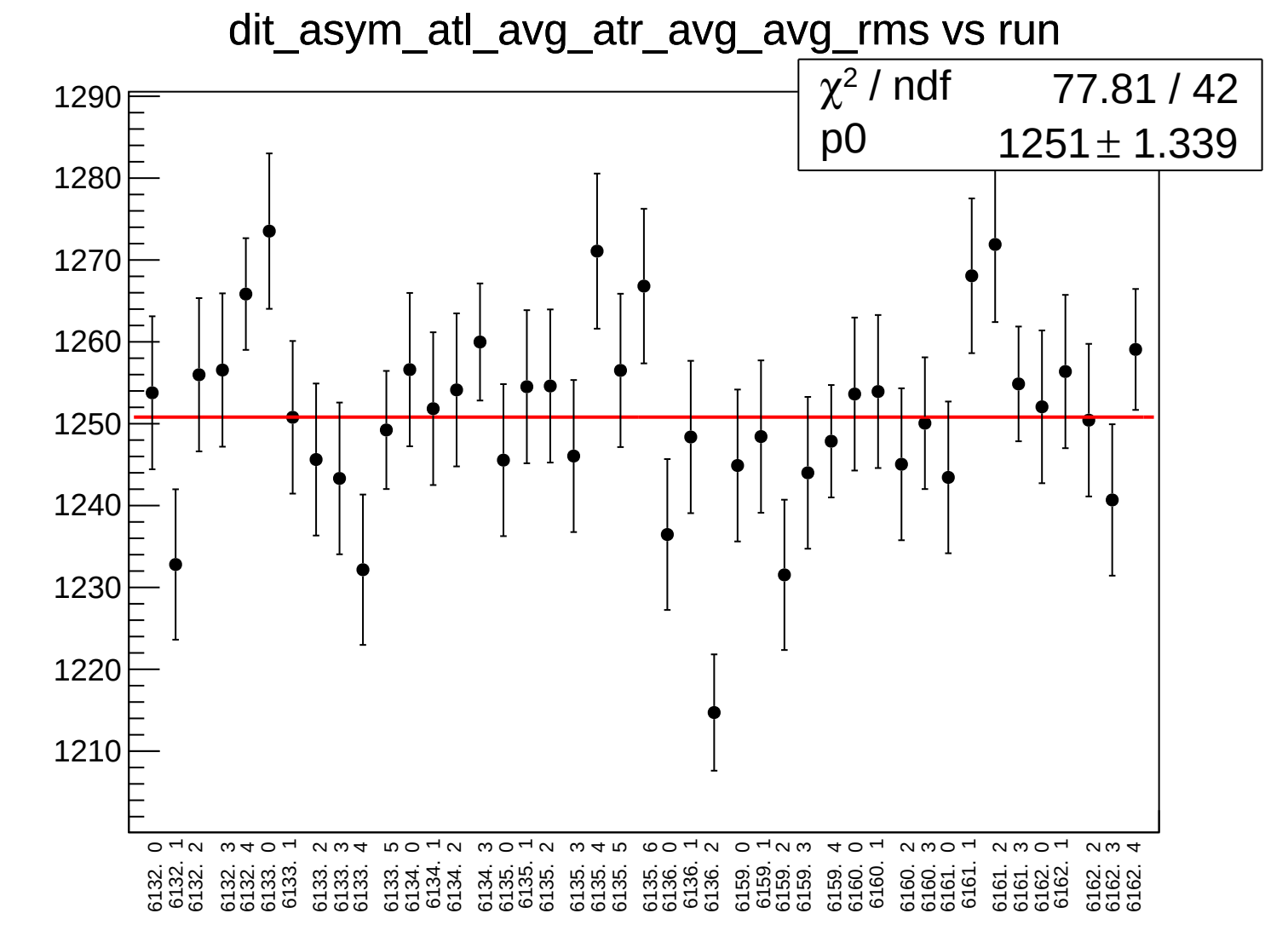

asym_atr_dd_correction_rms vs run
χ² / ndf 3.589e+04 / 42
p0 4901 ± 5.356
9000
8000
7000
6000
5000
4000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

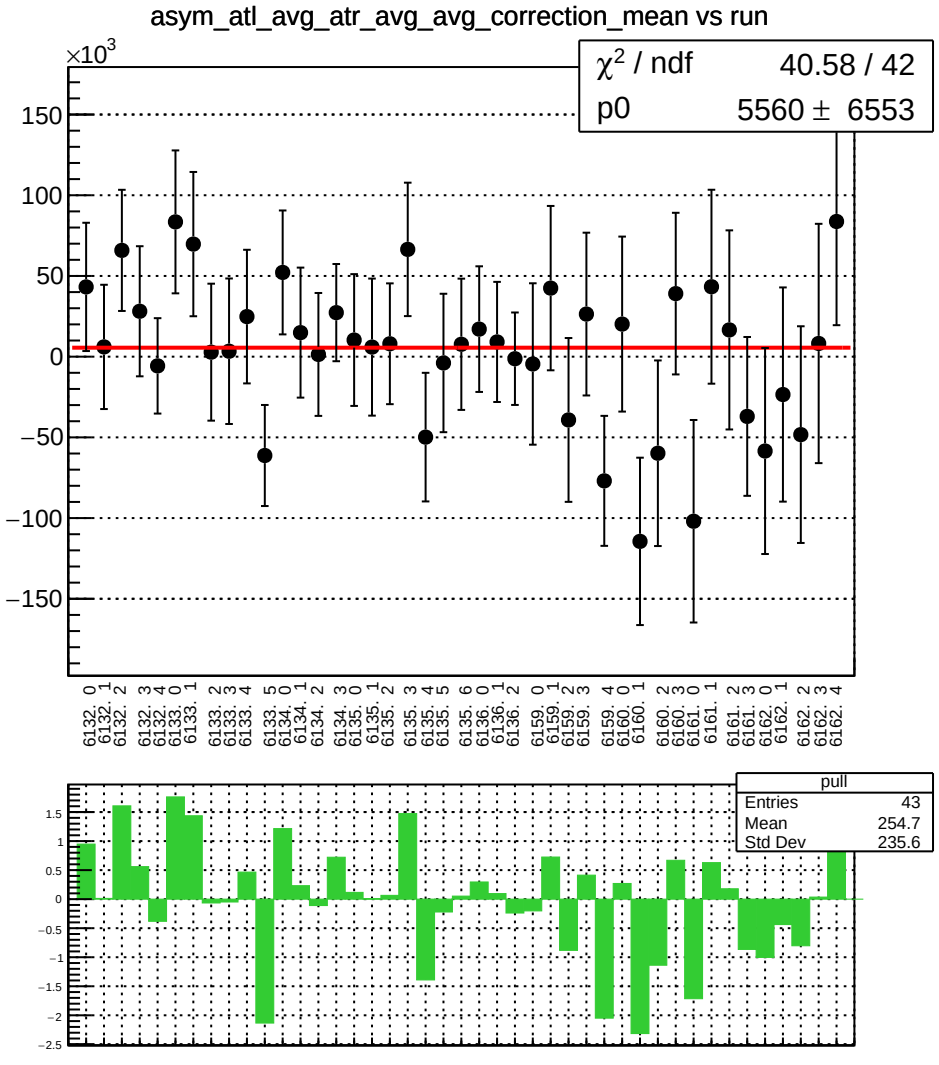

asym_atr_dd_mean vs run
×10^3
χ² / ndf 46.68 / 42
p0 5442 ± 8165
200
150
100
50
0
−50
−100
−150
−200
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −318.8
Std Dev 335.8
2
1
0
−1
−2

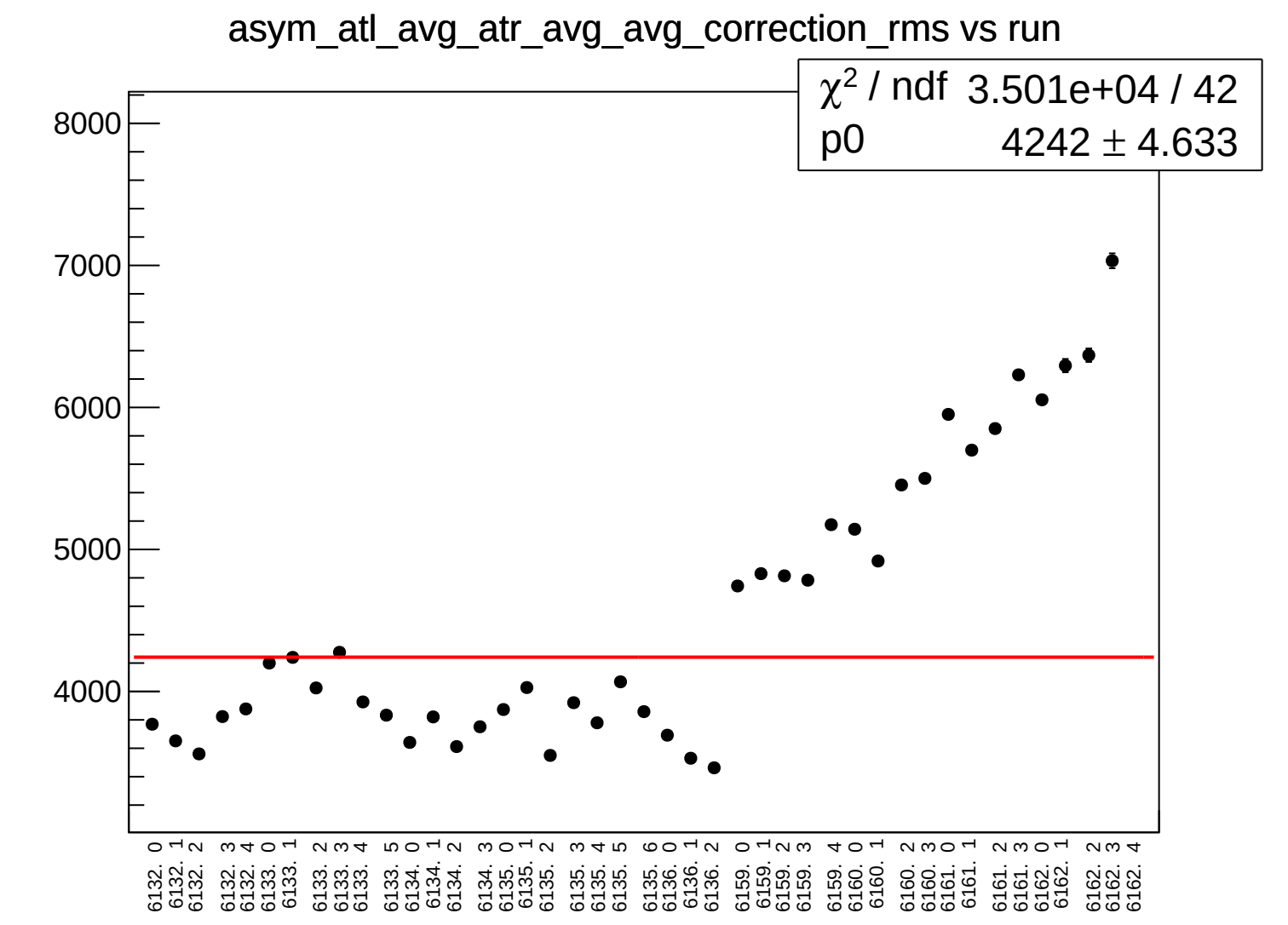

pull1D
Entries 43
Mean 0.01172
Std Dev 1.042
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

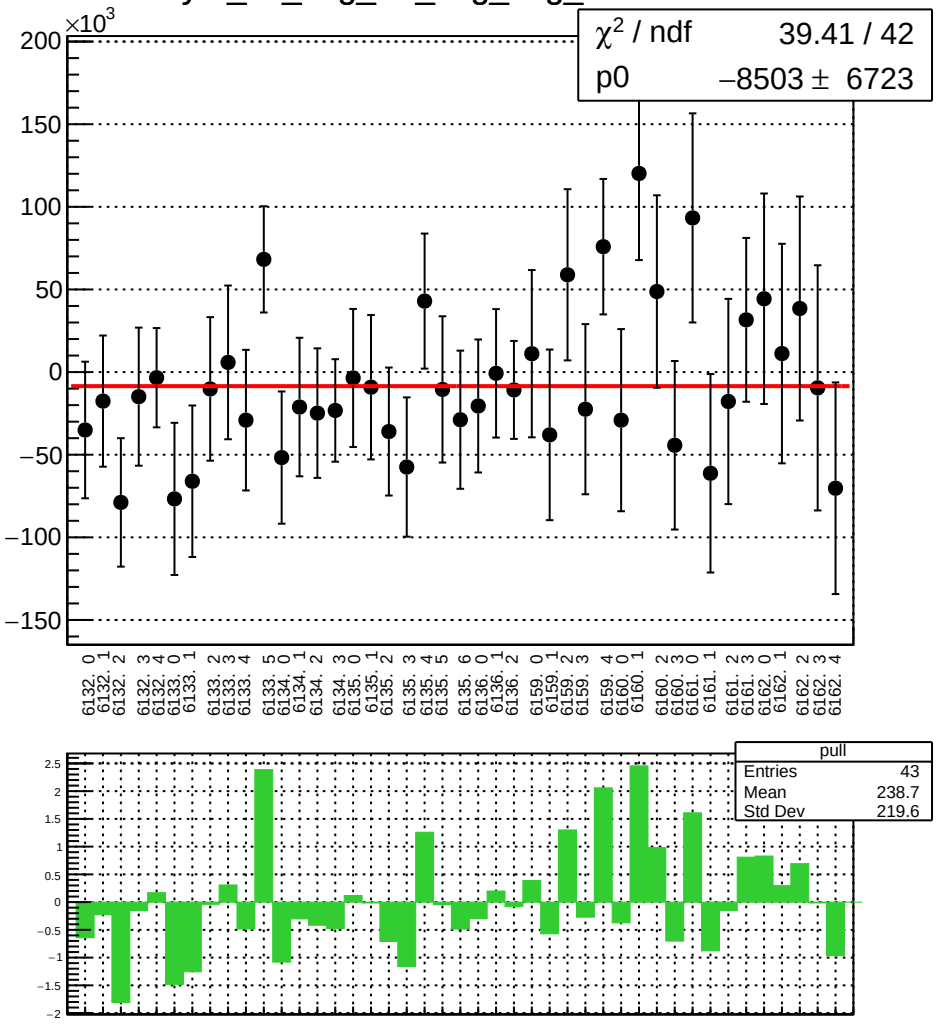

asym_atr_dd_rms vs run
χ² / ndf 2.883e+04 / 42
p0 5305 ± 5.774
9000
8000
7000
6000
5000
4000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

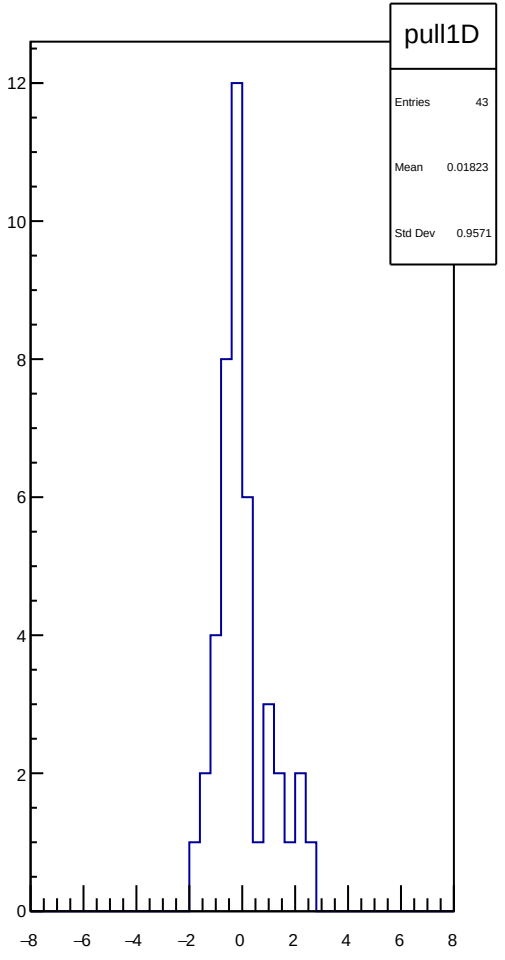

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 29.3 / 42
p0 −2818 ± 1893
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 124.3
Std Dev 105.5
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.008838
Std Dev 0.8254
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

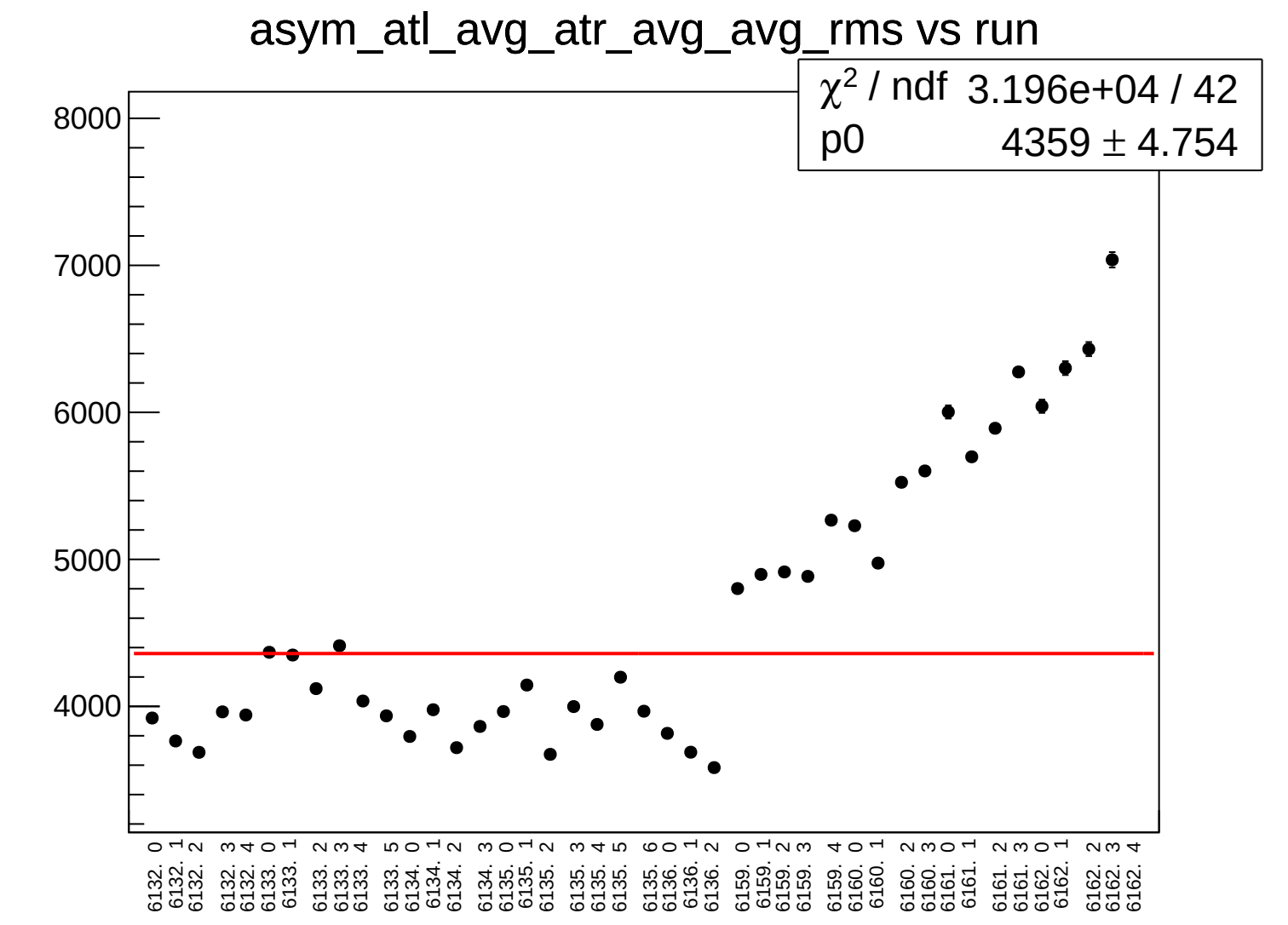

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 77.81 / 42
p0 1251 ± 1.339
1290
1280
1270
1260
1250
1240
1230
1220
1210
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

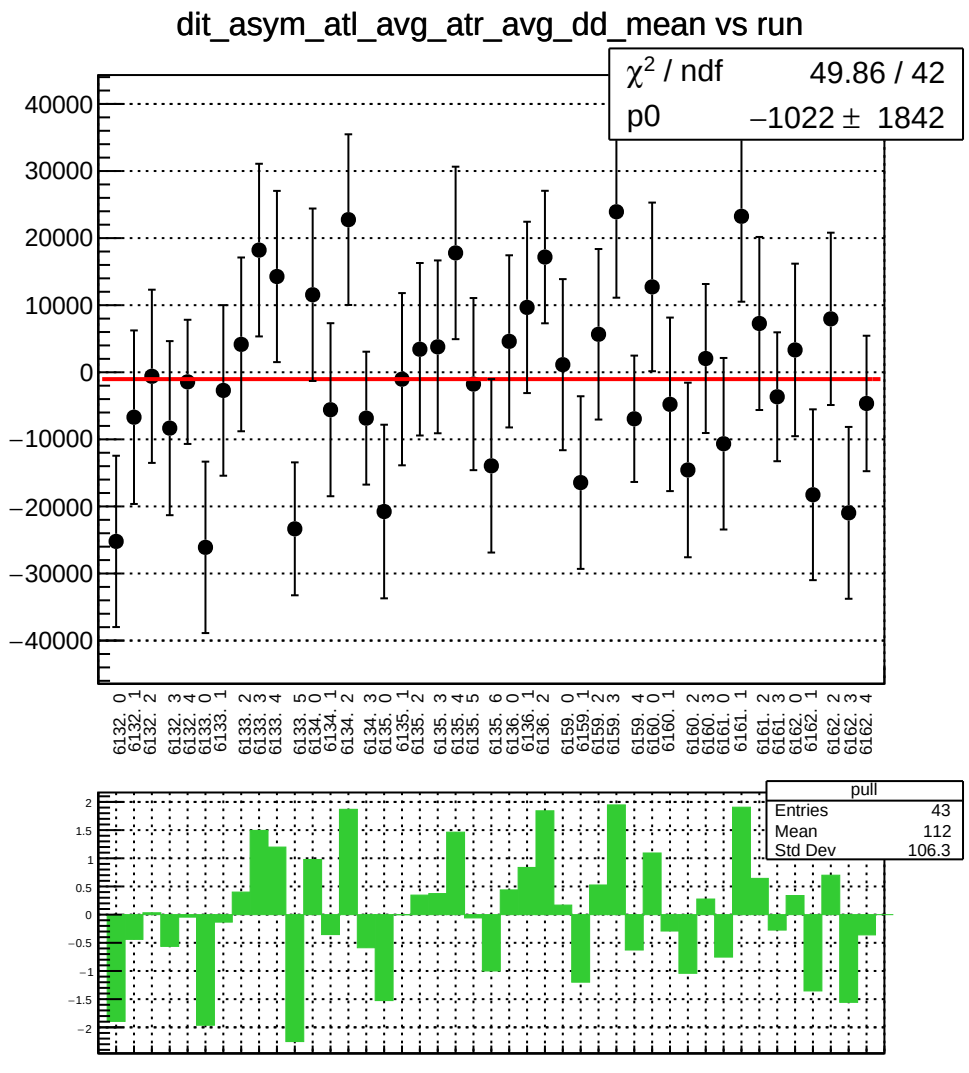

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 40.58 / 42
p0 5560 ± 6553
150
100
50
0
−50
−100
−150
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 254.7
Std Dev 235.6
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean −0.01849
Std Dev 0.9713
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

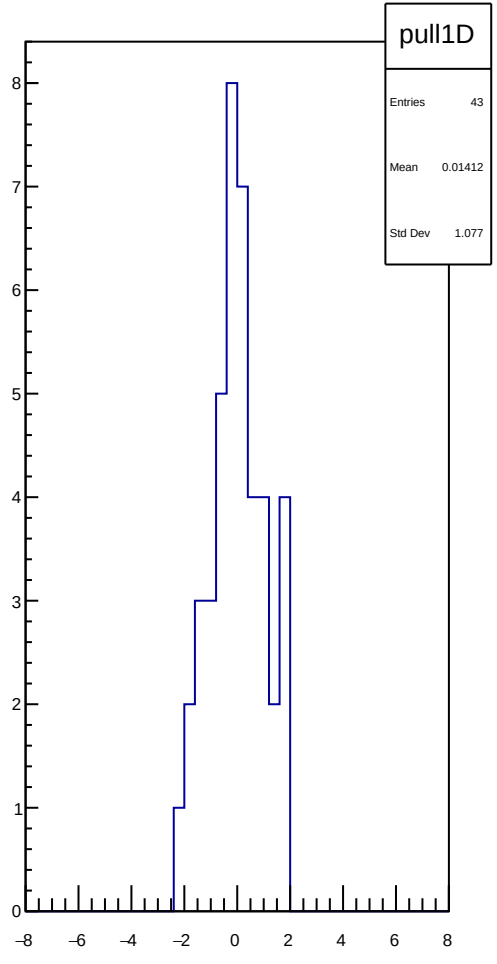

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 3.501e+04 / 42
p0 4242 ± 4.633
8000
7000
6000
5000
4000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

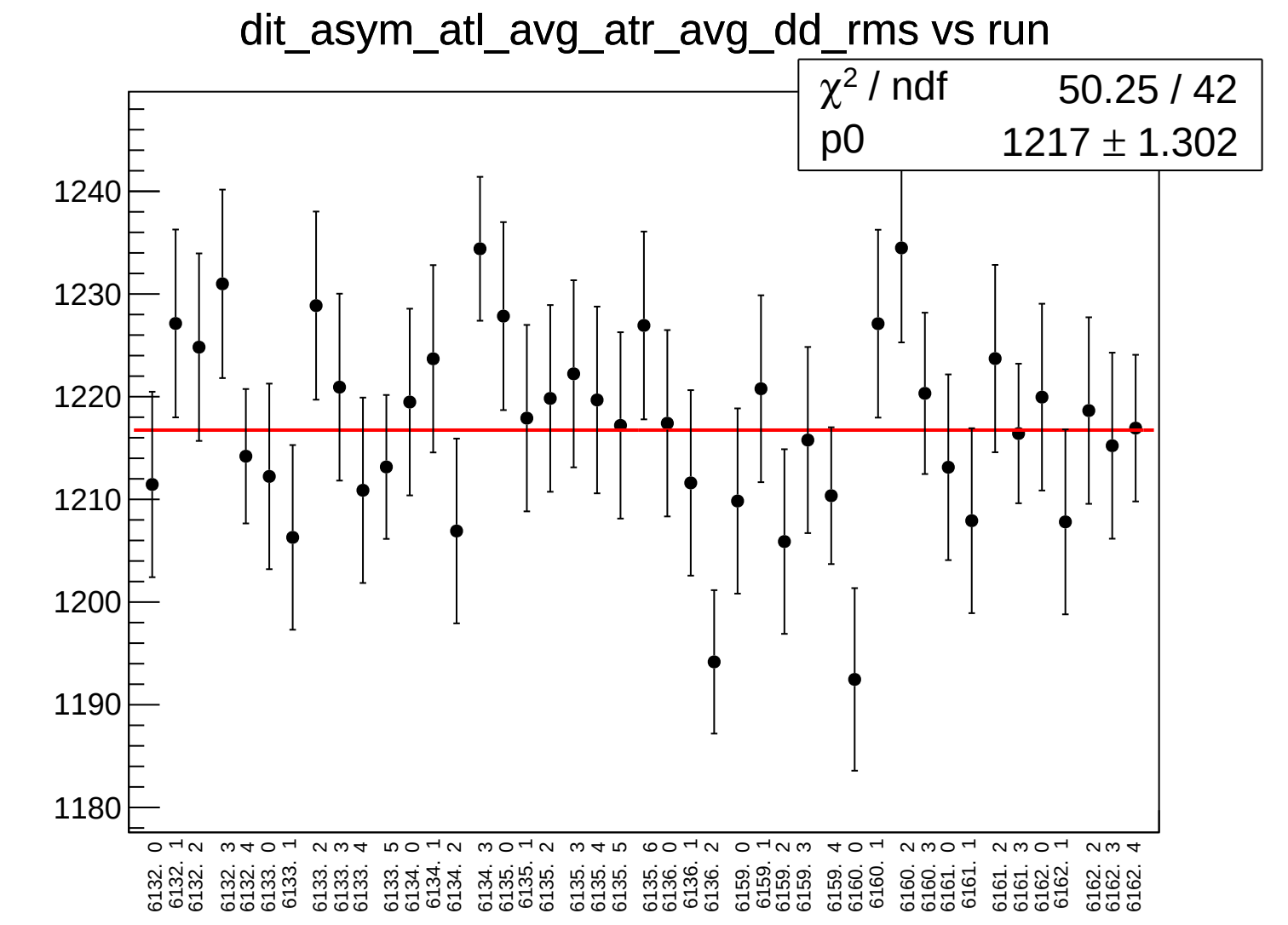

asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 39.41 / 42
p0 −8503 ± 6723
×10³
pull
Entries 43
Mean 238.7
Std Dev 219.6

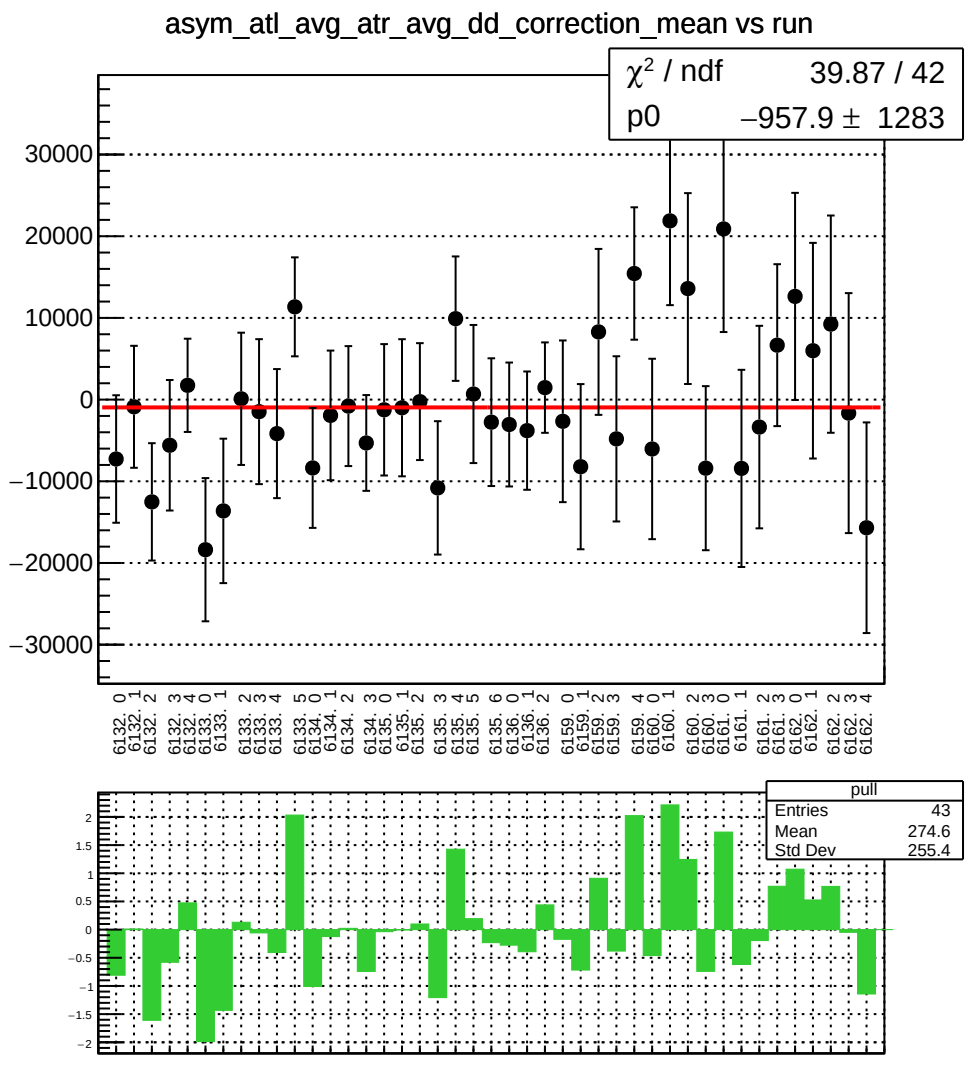

pull1D
Entries 43
Mean 0.01823
Std Dev 0.9571

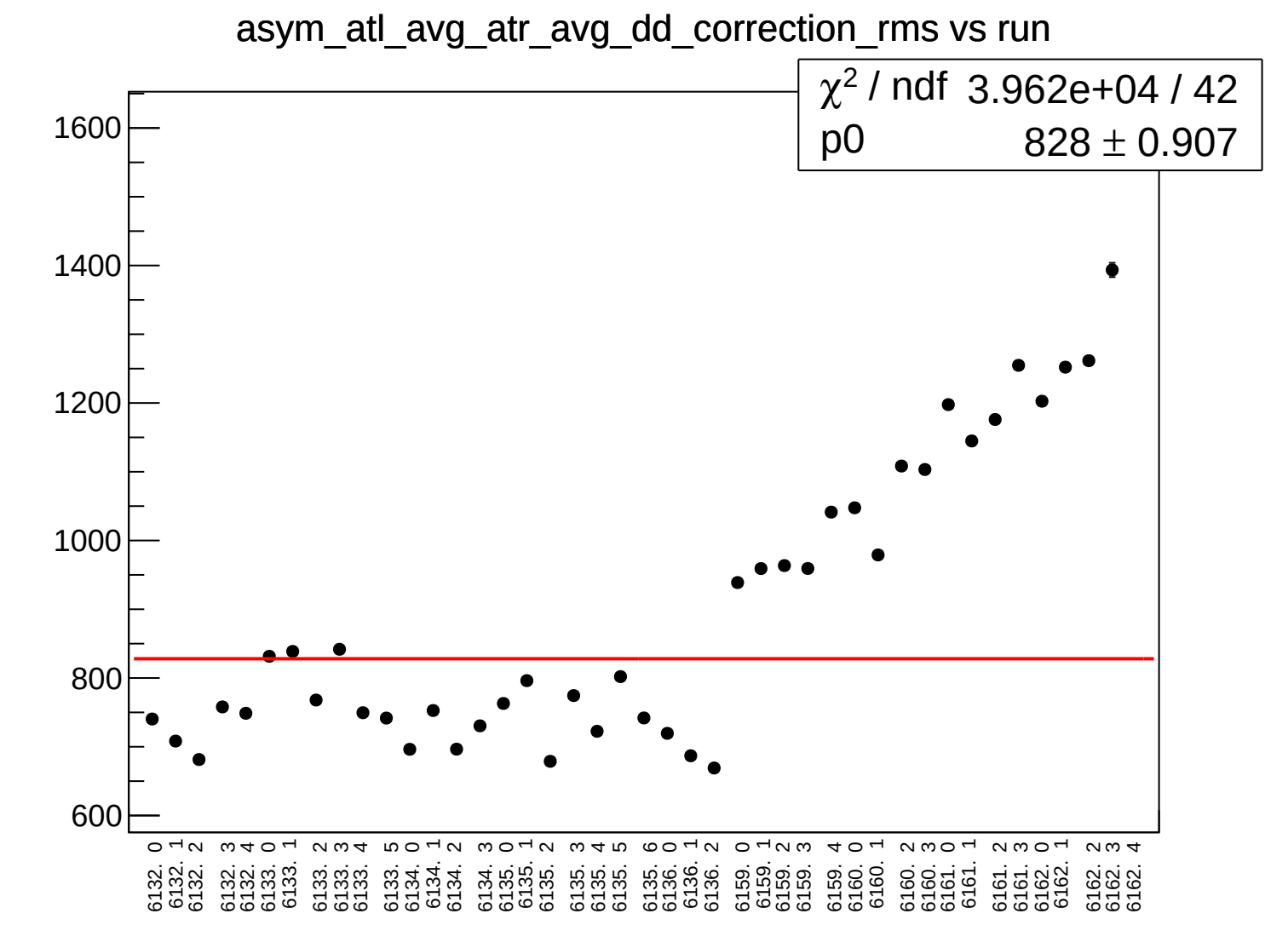

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 3.196e+04 / 42
p0 4359 ± 4.754
8000
7000
6000
5000
4000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

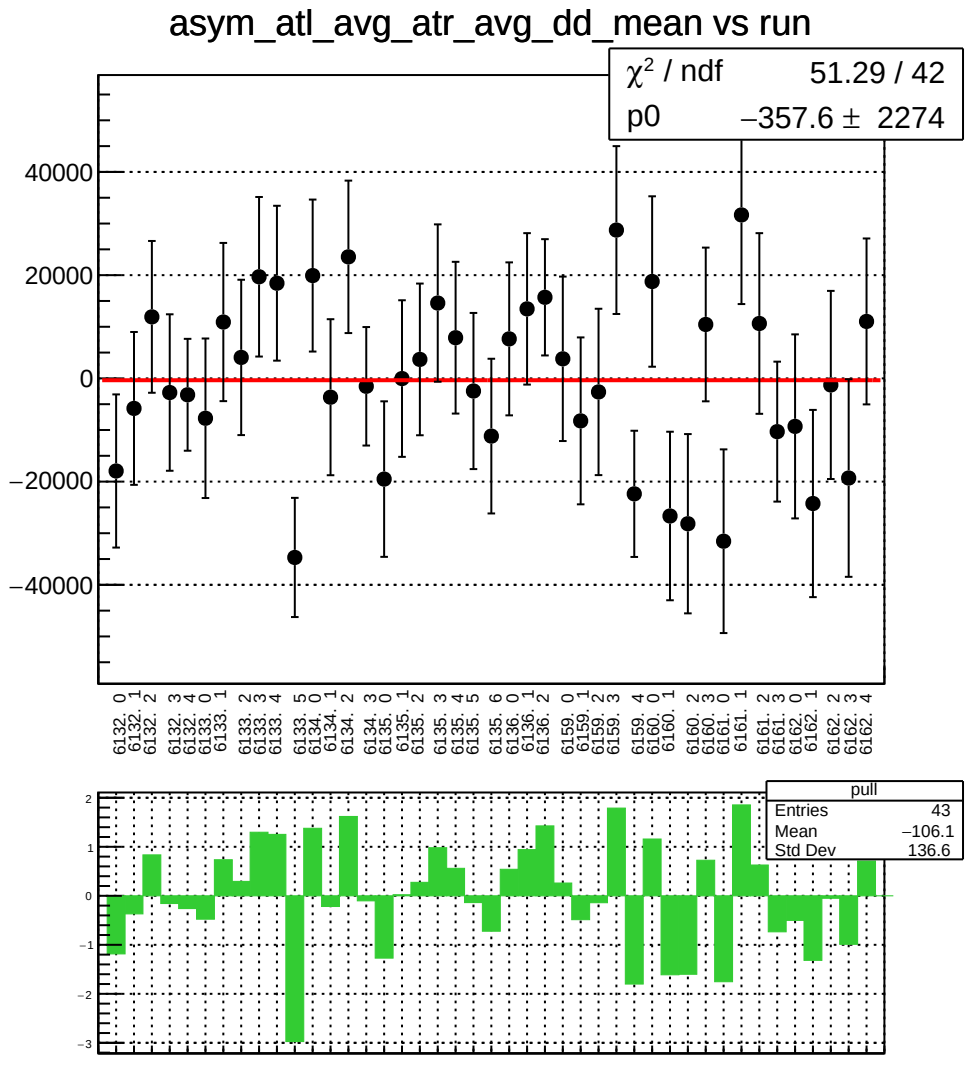

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 49.86 / 42
p0 −1022 ± 1842
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 112
Std Dev 106.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

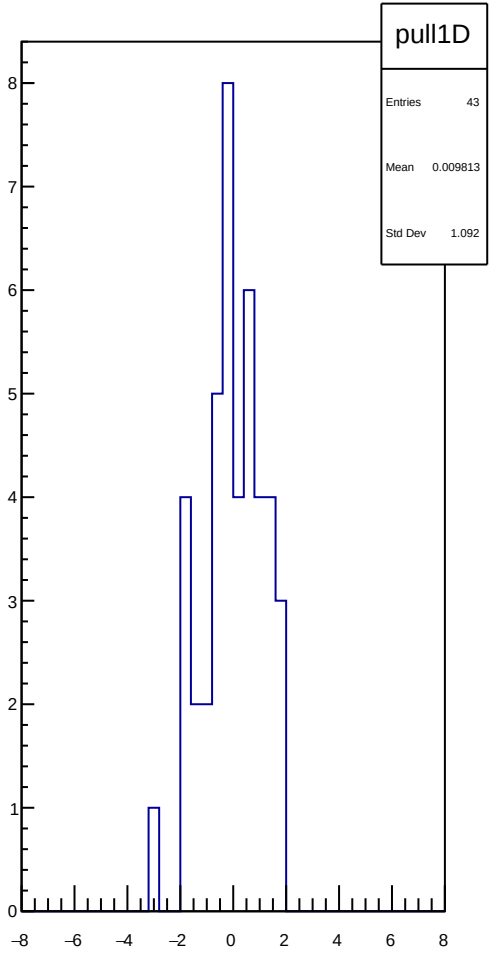

pull1D
Entries 43
Mean 0.01412
Std Dev 1.077
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

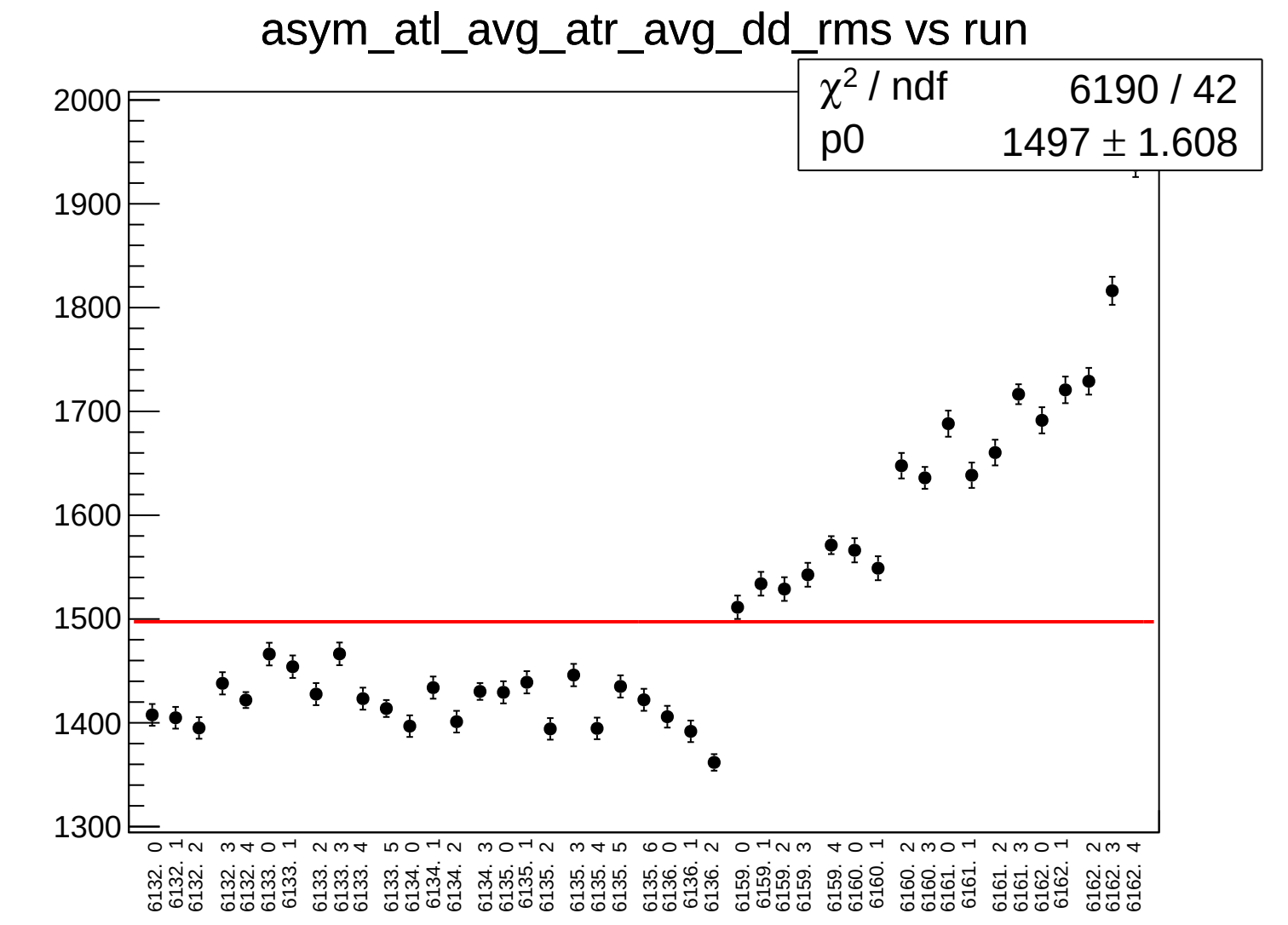

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 50.25 / 42
p0 1217 ± 1.302
1240
1230
1220
1210
1200
1190
1180
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

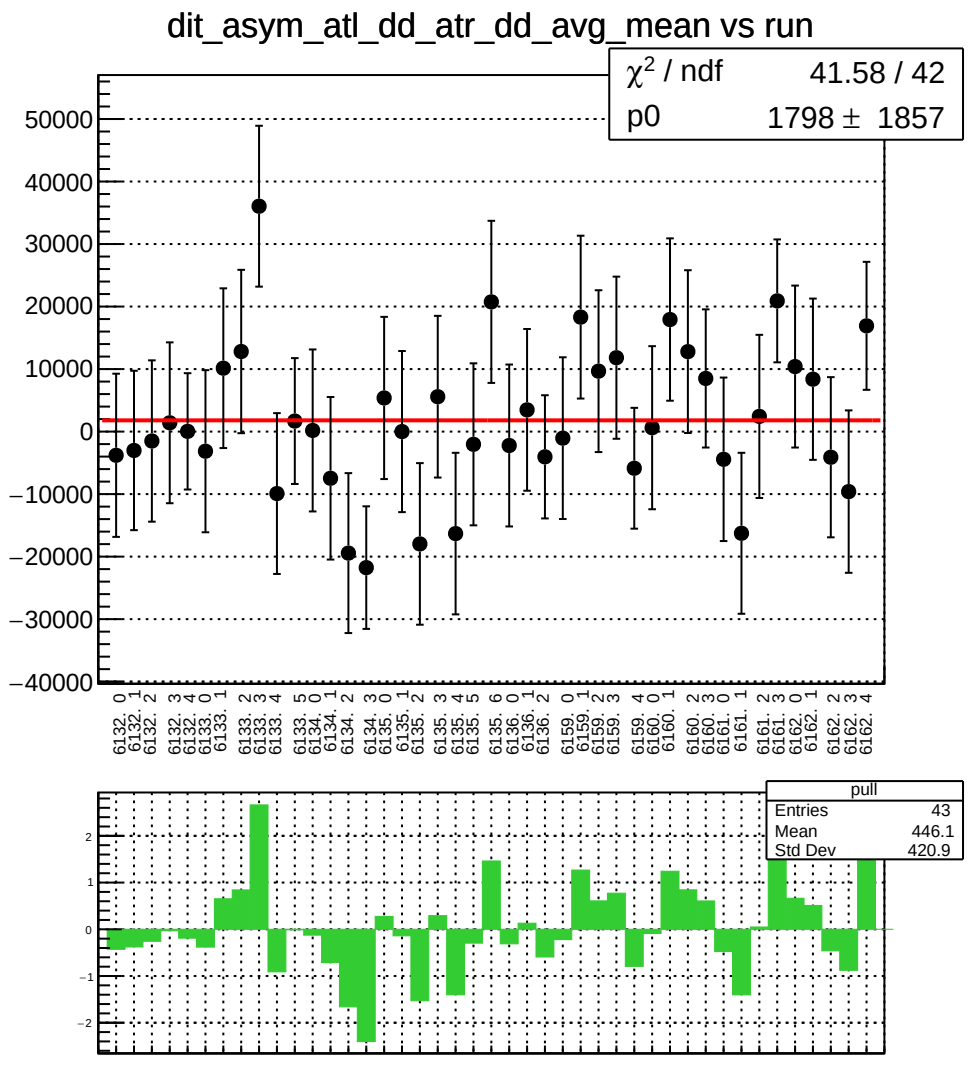

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 39.87 / 42
p0 −957.9 ± 1283
30000
20000
10000
0
−10000
−20000
−30000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 274.6
Std Dev 255.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.01649
Std Dev 0.9628
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

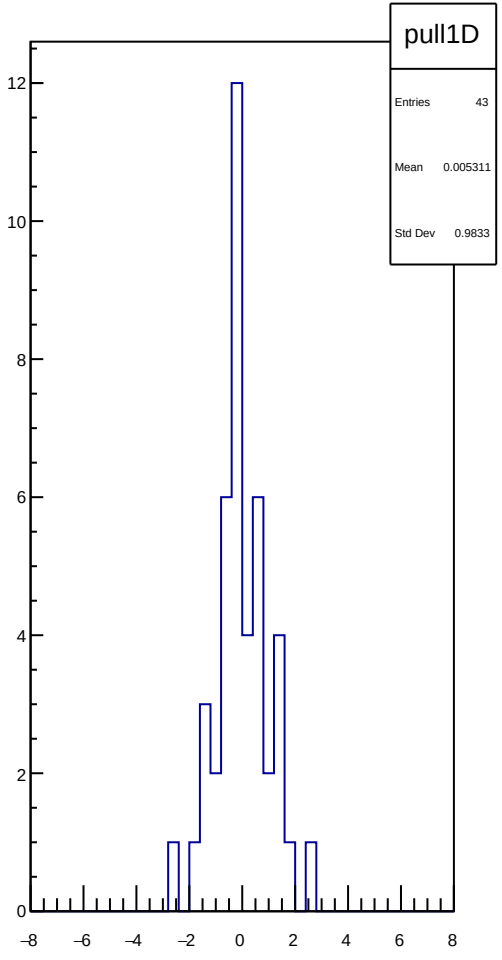

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 3.962e+04 / 42
p0 828 ± 0.907
1600
1400
1200
1000
800
600
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

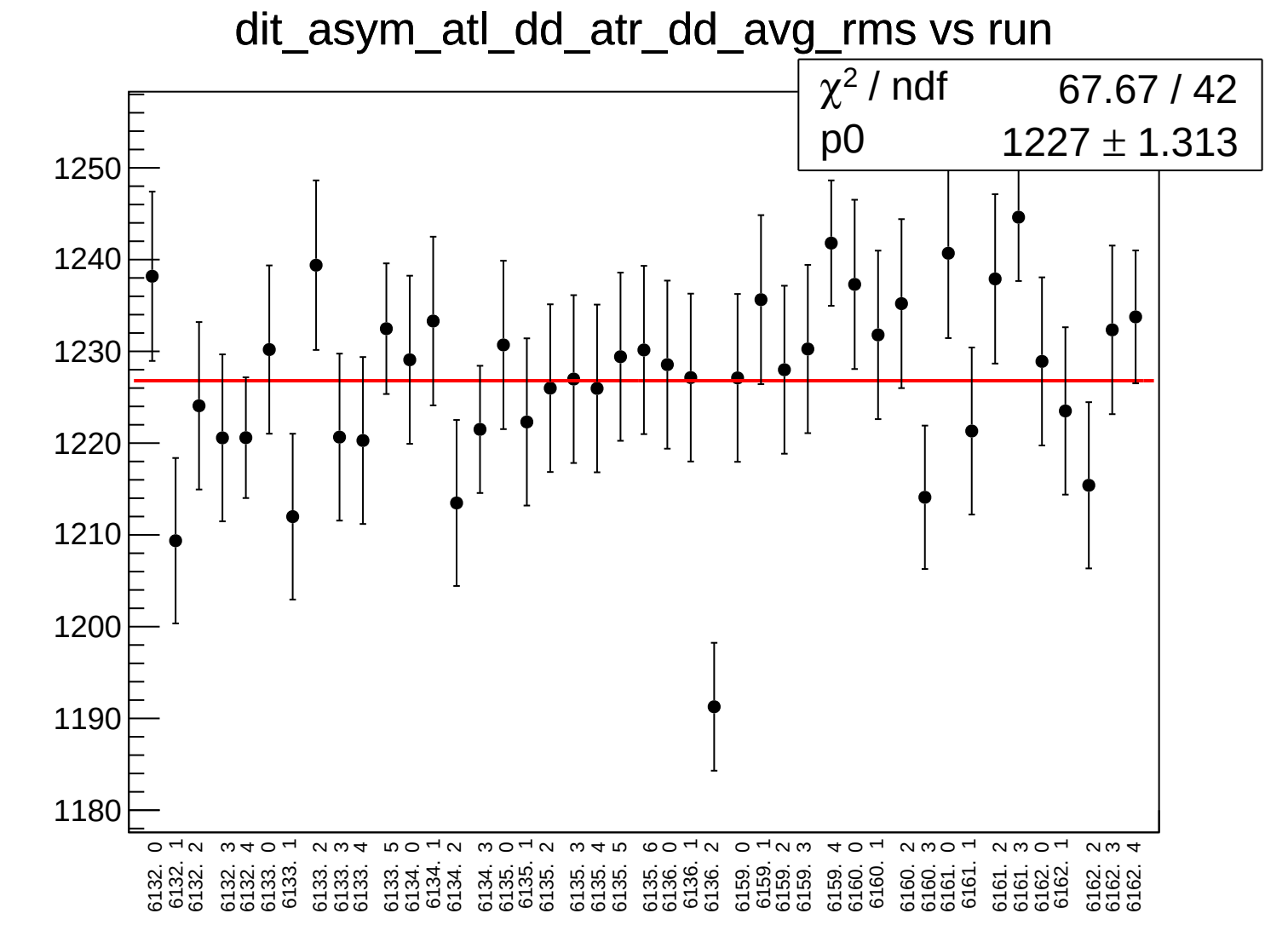

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 51.29 / 42
p0 −357.6 ± 2274
40000
20000
0
−20000
−40000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −106.1
Std Dev 136.6
2
1
0
−1
−2
−3

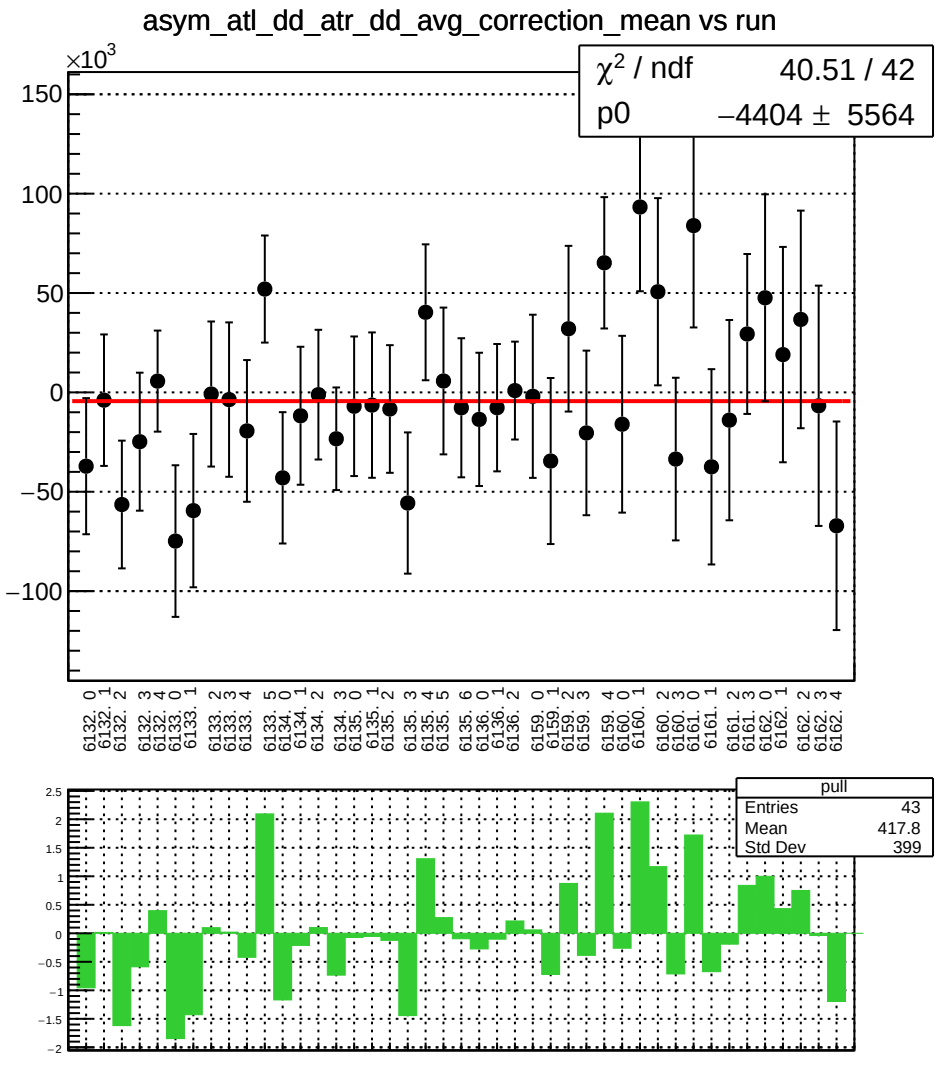

pull1D
Entries 43
Mean 0.009813
Std Dev 1.092
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

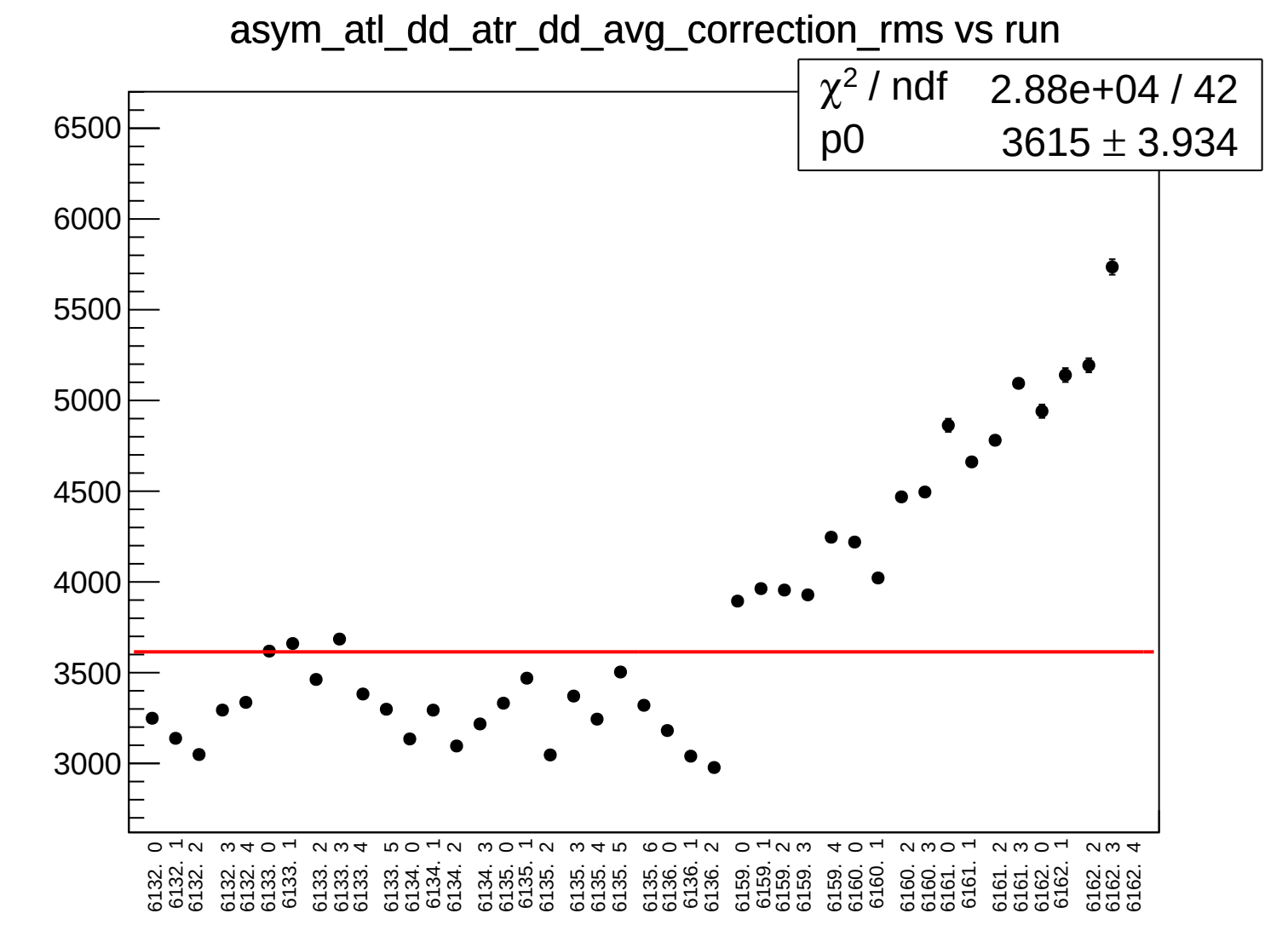

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 6190 / 42
p0 1497 ± 1.608
2000
1900
1800
1700
1600
1500
1400
1300
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

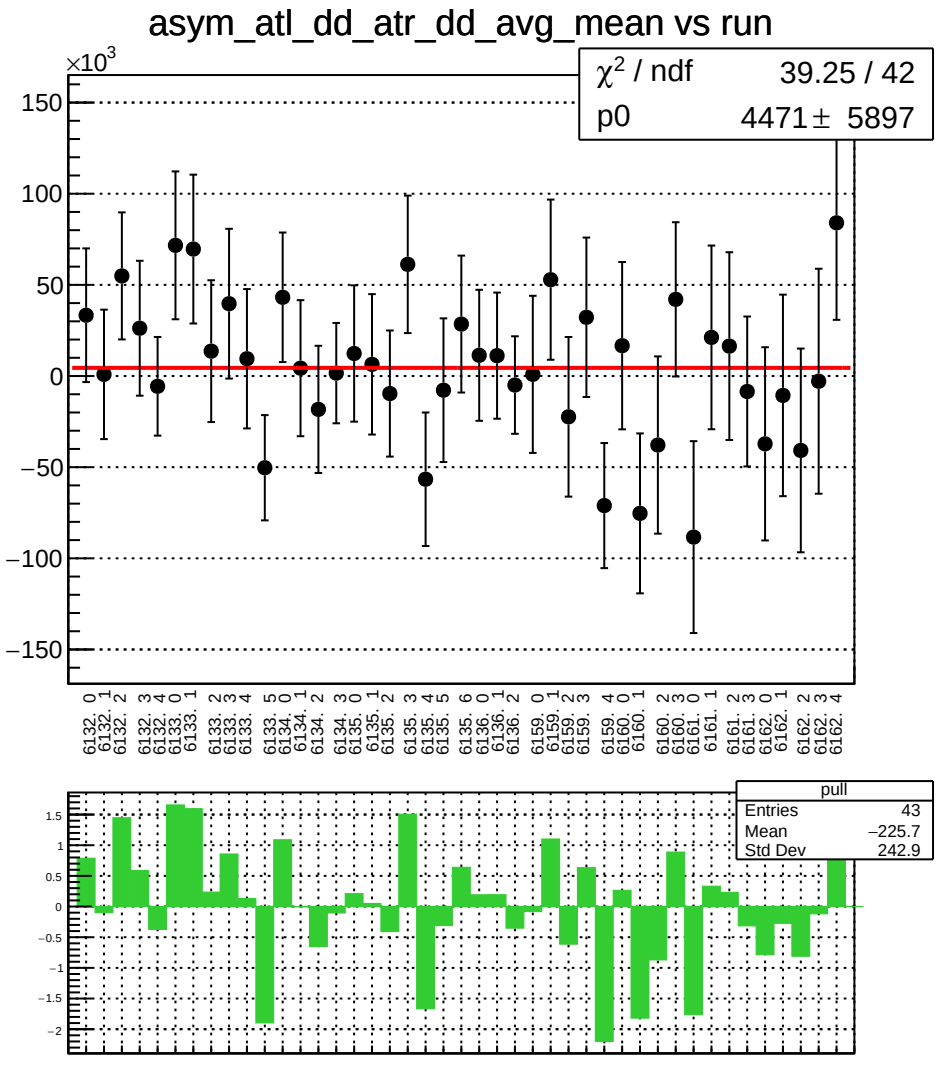

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 41.58 / 42
p0 1798 ± 1857
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 446.1
Std Dev 420.9
2
1
0
−1
−2

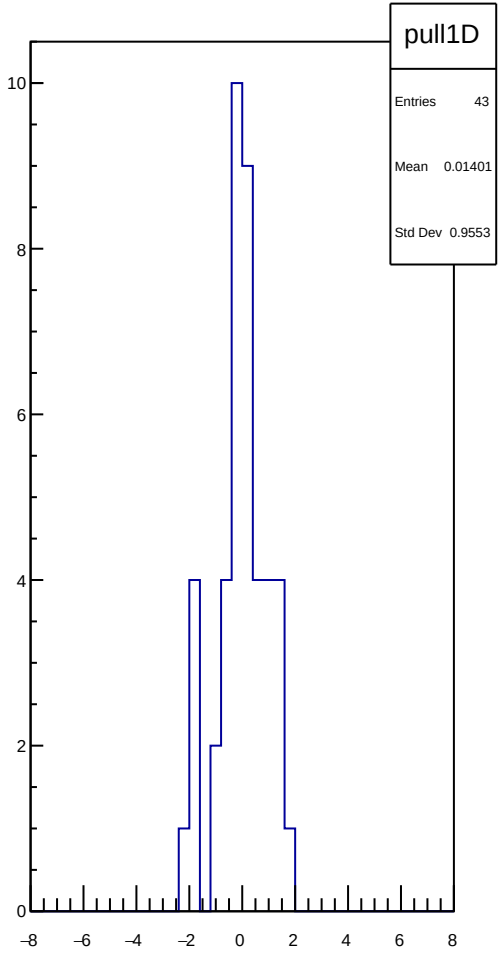

pull1D
Entries 43
Mean 0.005311
Std Dev 0.9833
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

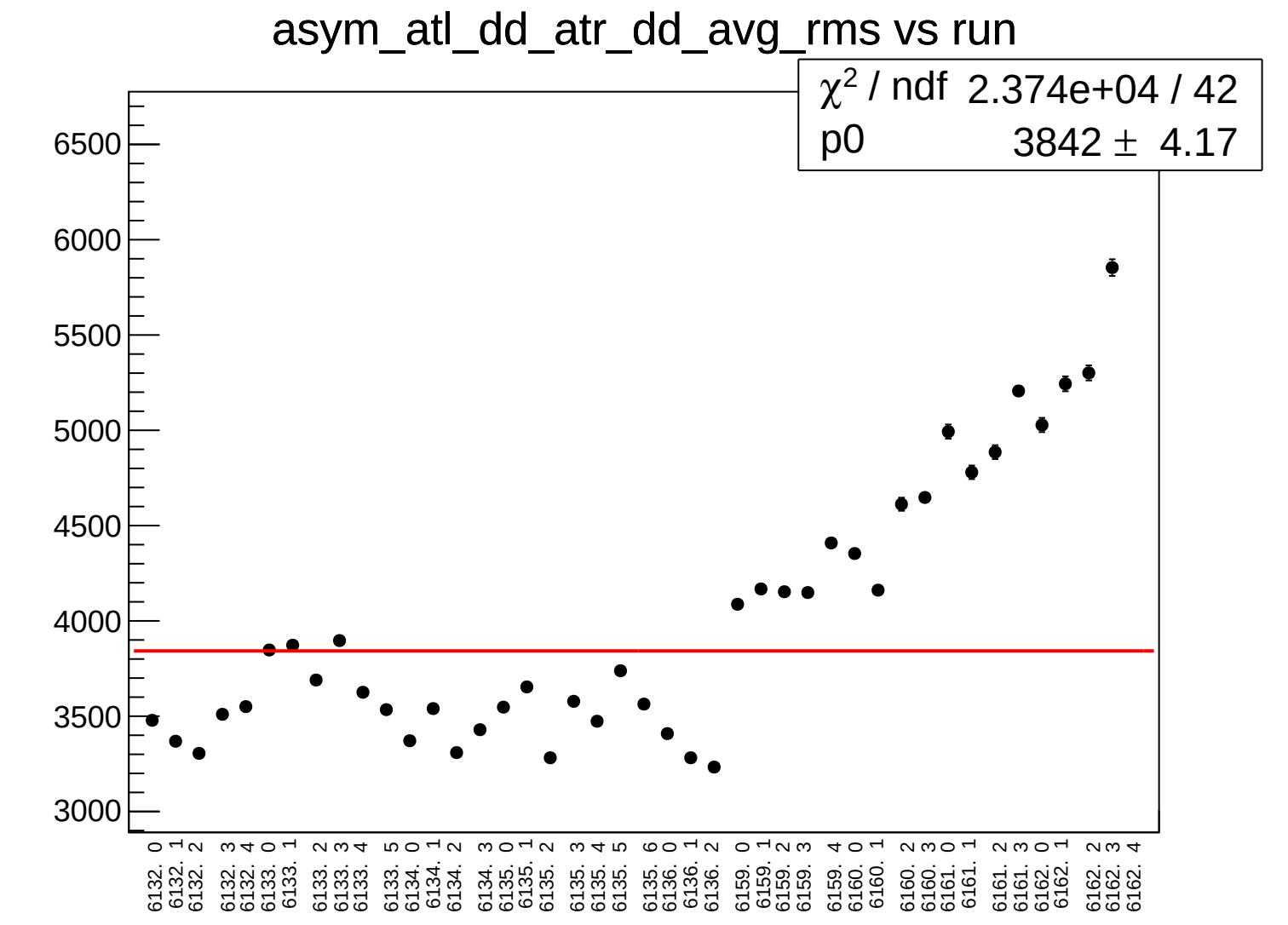

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 67.67 / 42
p0 1227 ± 1.313
1250
1240
1230
1220
1210
1200
1190
1180
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

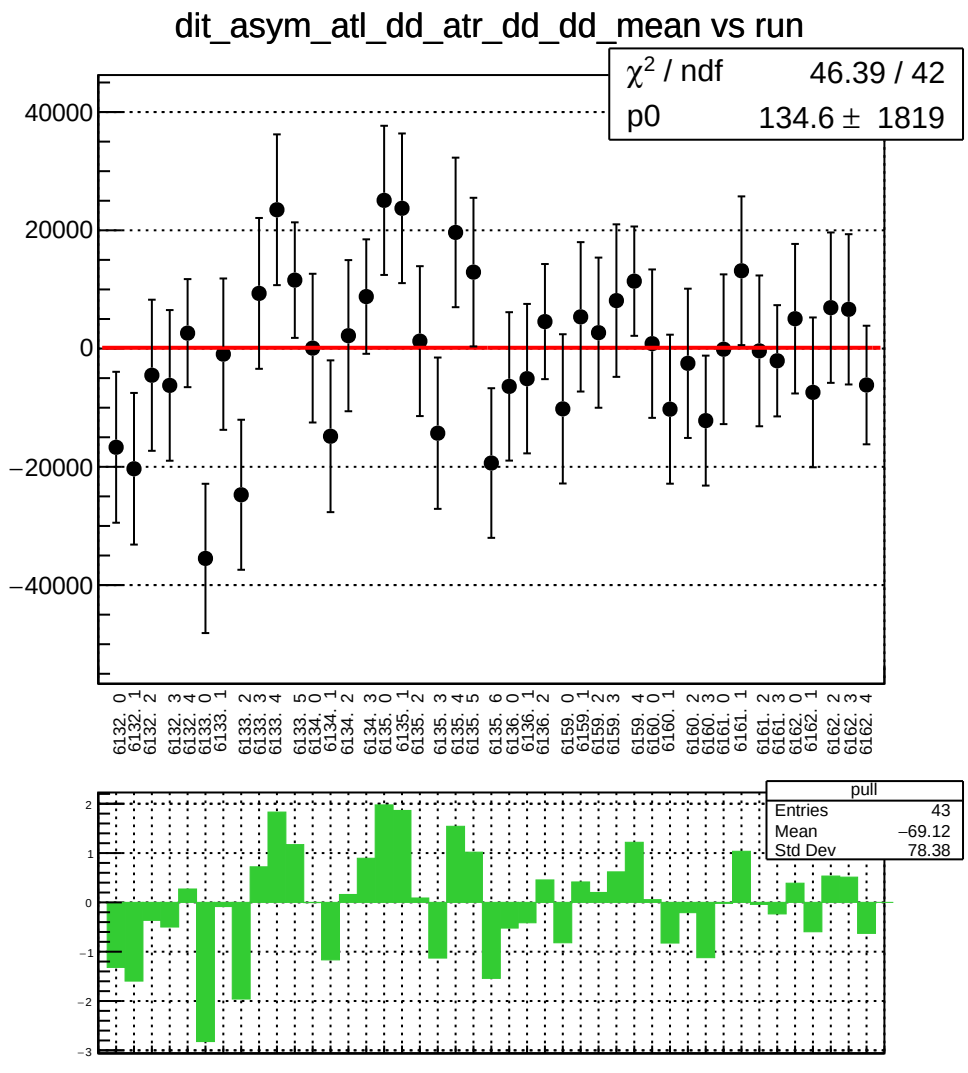

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 40.51 / 42
p0 −4404 ± 5564
150
100
50
0
−50
−100
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 417.8
Std Dev 399
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.01081
Std Dev 0.9705
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

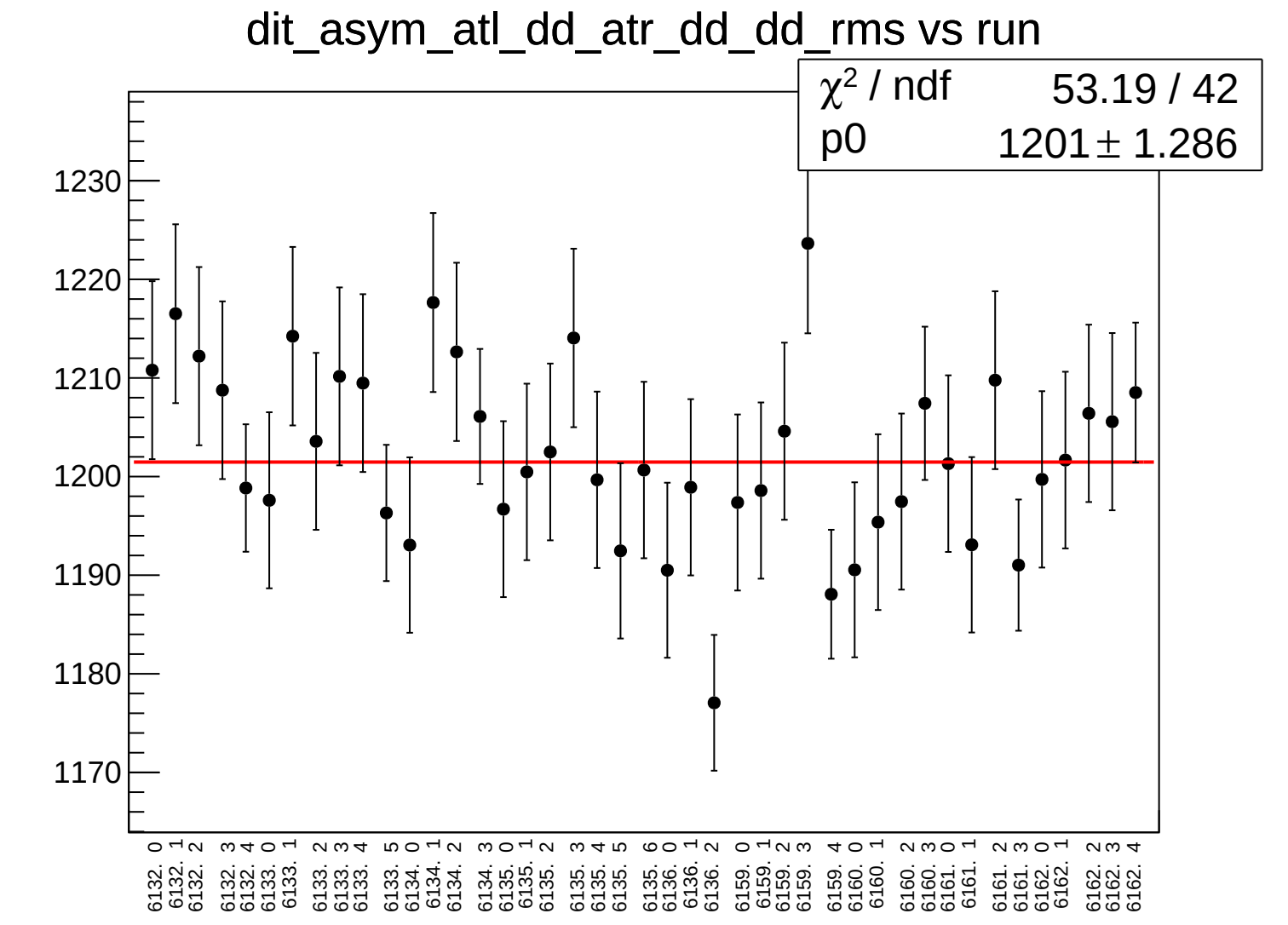

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 2.88e+04 / 42
p0 3615 ± 3.934
6500
6000
5500
5000
4500
4000
3500
3000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4


asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 39.25 / 42
p0 4471 ± 5897
150
100
50
0
−50
−100
−150
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −225.7
Std Dev 242.9
1.5
1
0.5
0
−0.5
−1
−1.5
−2

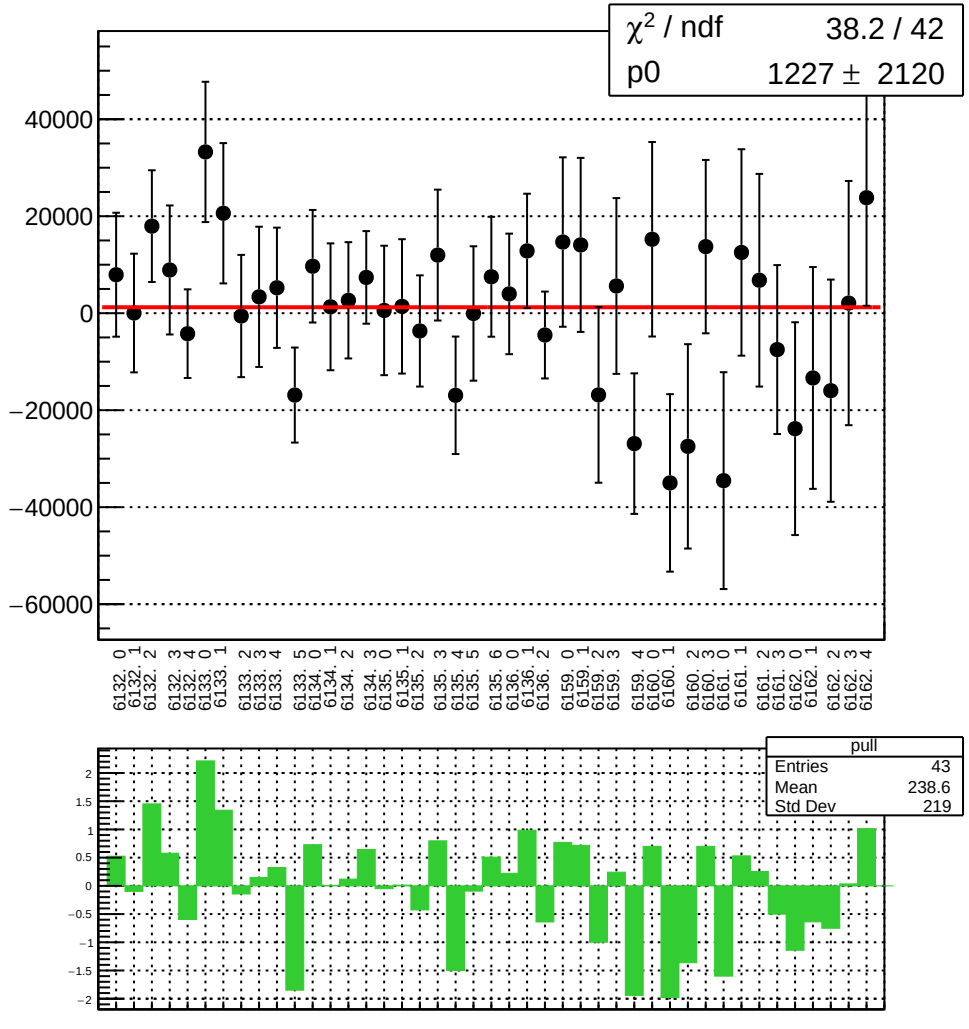

pull1D
Entries 43
Mean 0.01401
Std Dev 0.9553
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

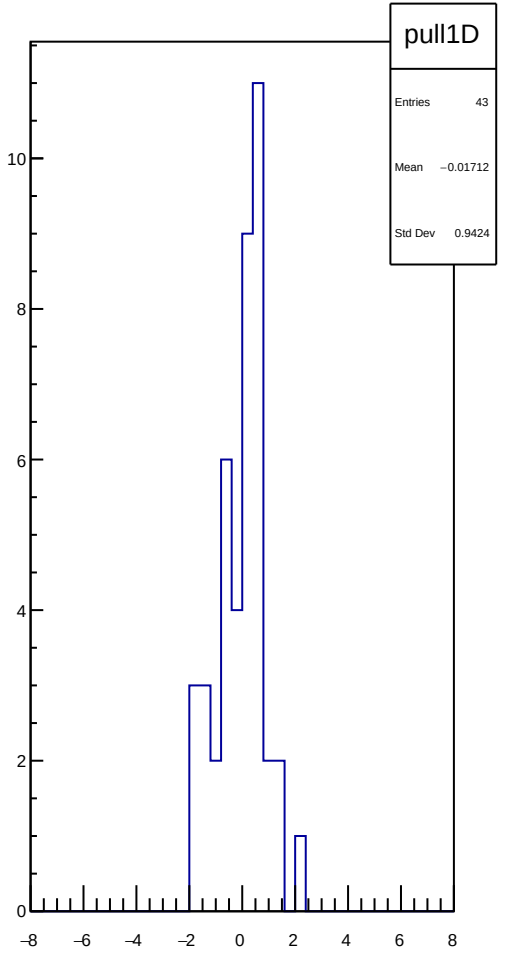

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 2.374e+04 / 42
p0 3842 ± 4.17
6500
6000
5500
5000
4500
4000
3500
3000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

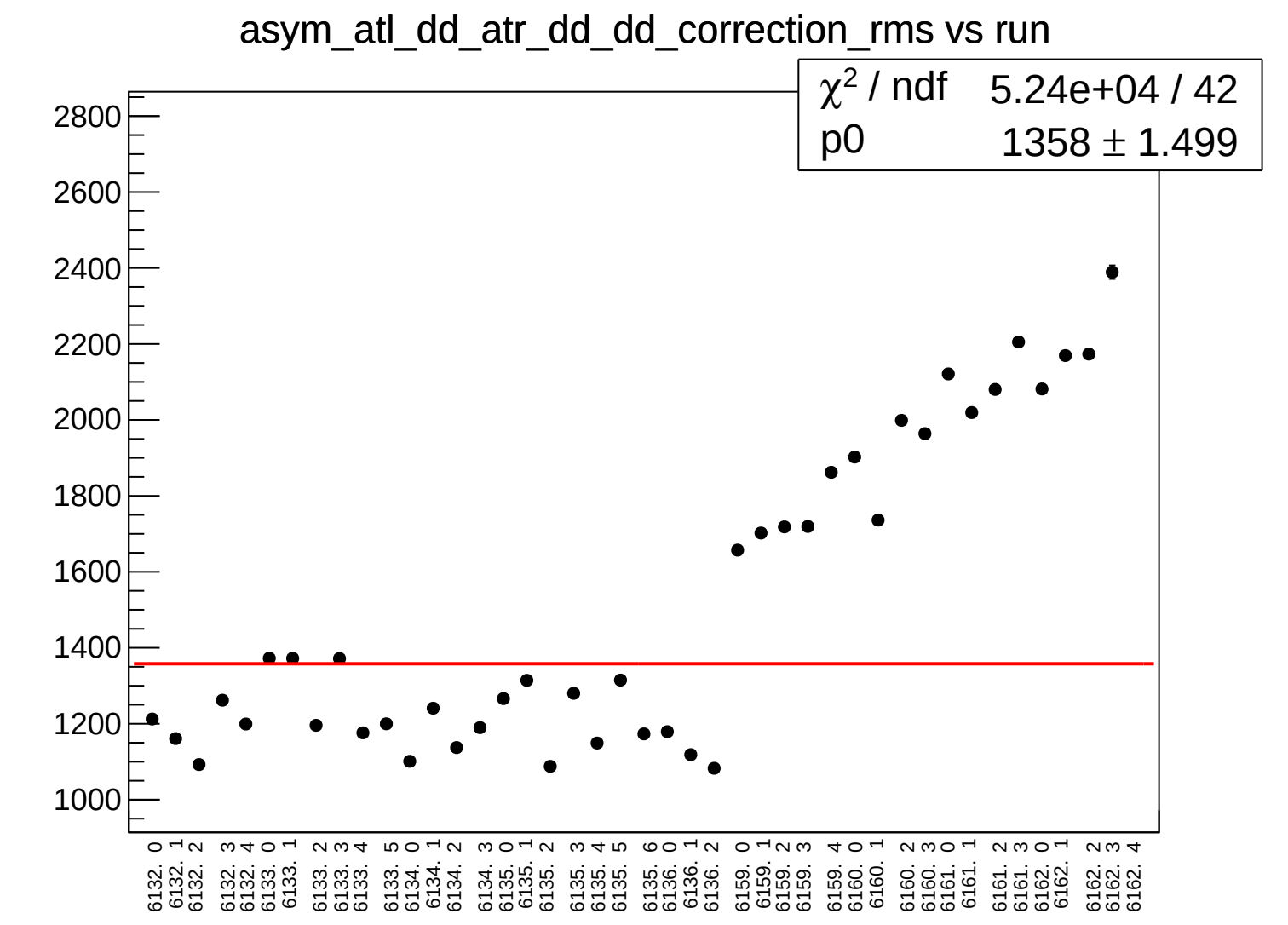

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 46.39 / 42
p0 134.6 ± 1819
40000
20000
0
−20000
−40000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −69.12
Std Dev 78.38
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean −0.02177
Std Dev 1.038
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

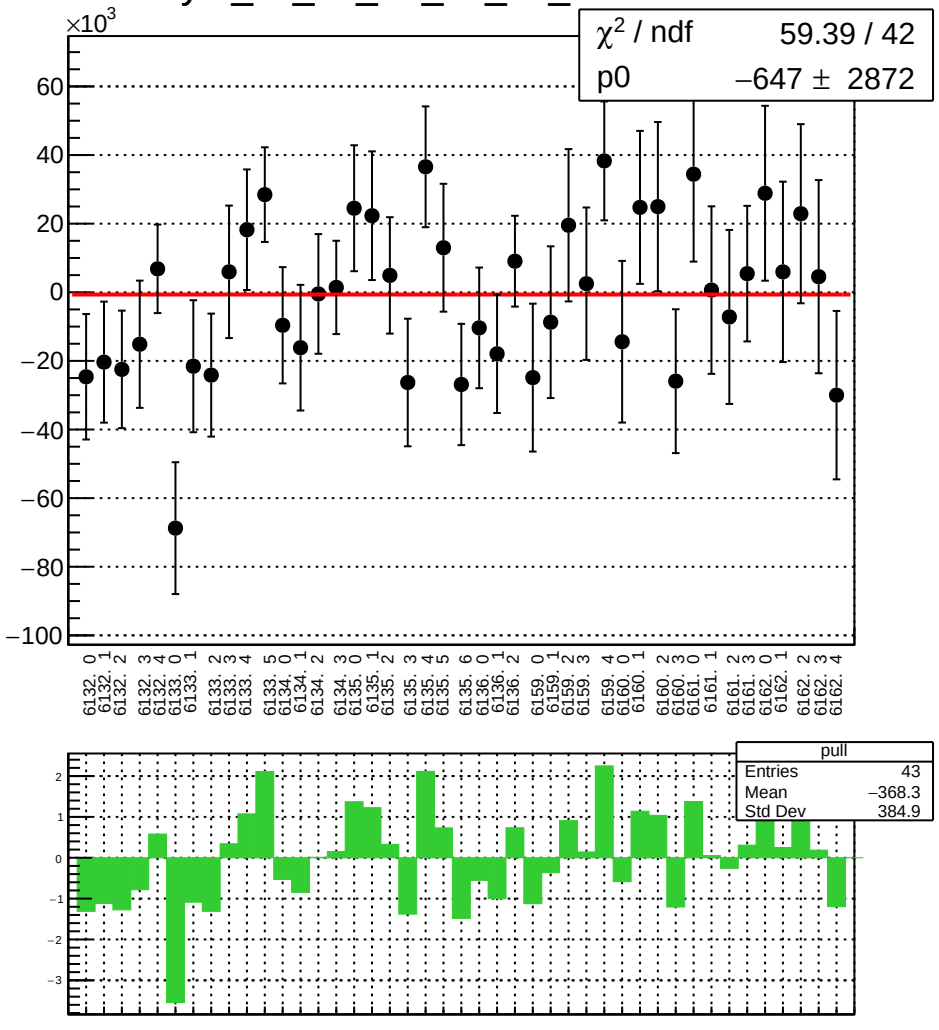

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 53.19 / 42
p0 1201 ± 1.286
1230
1220
1210
1200
1190
1180
1170
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

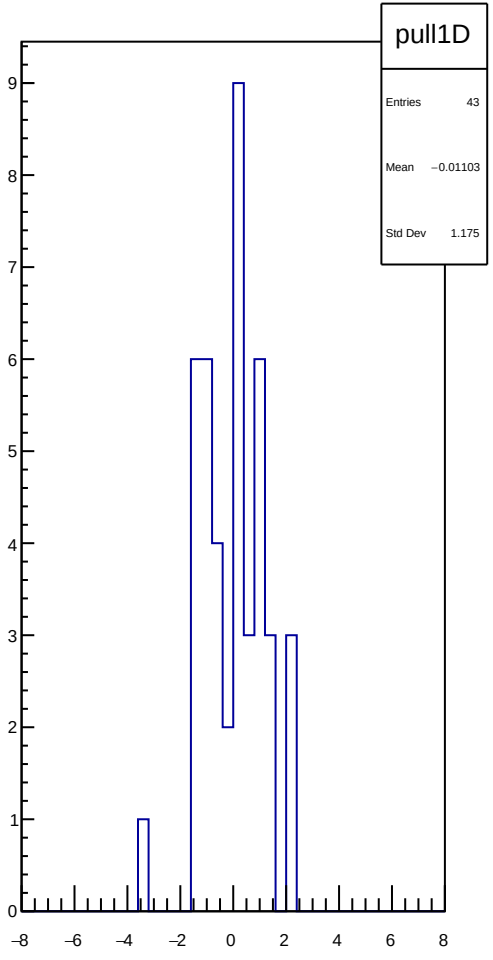
asym_atl_dd_atr_dd_dd_correction_mean vs run

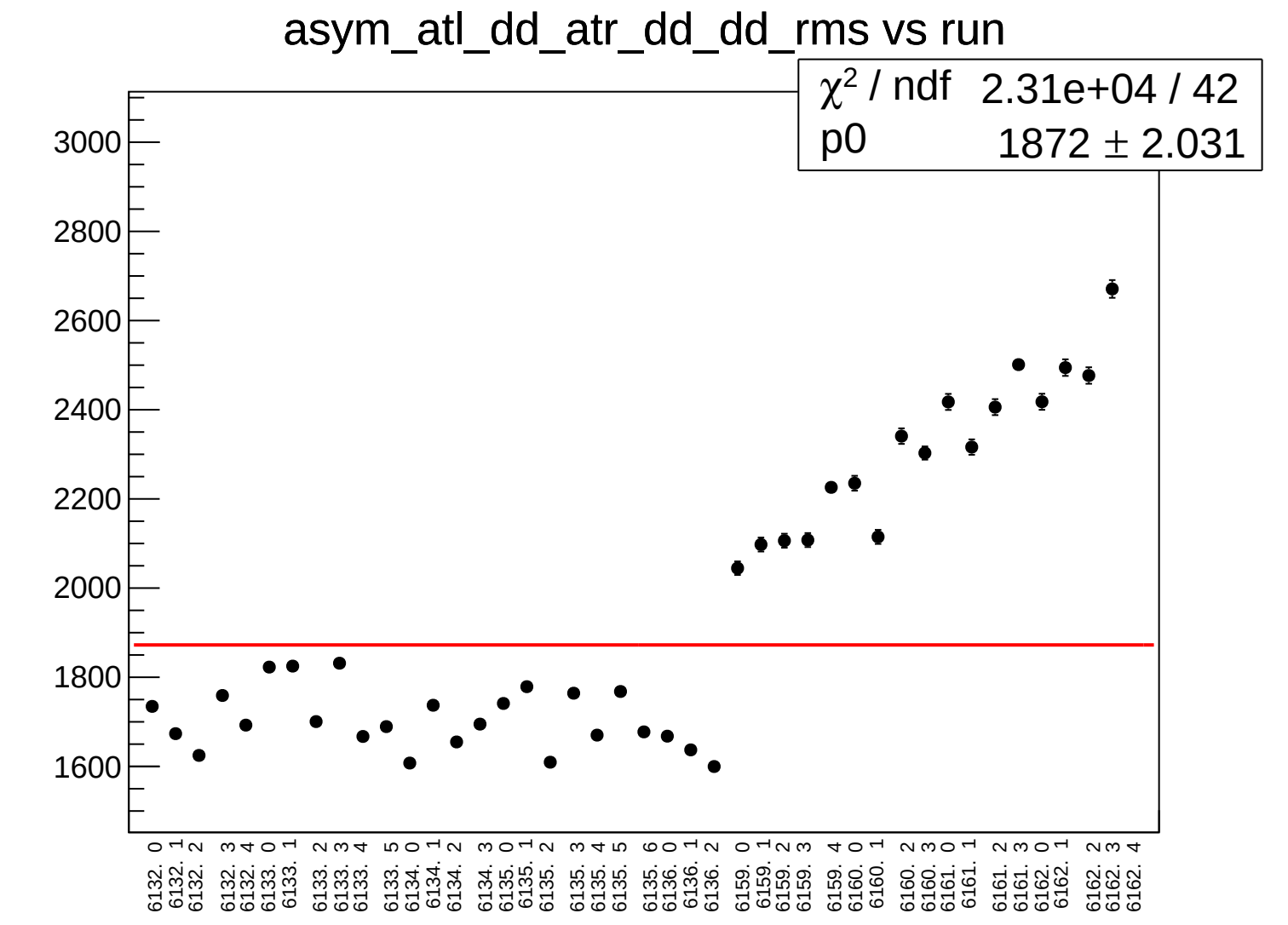


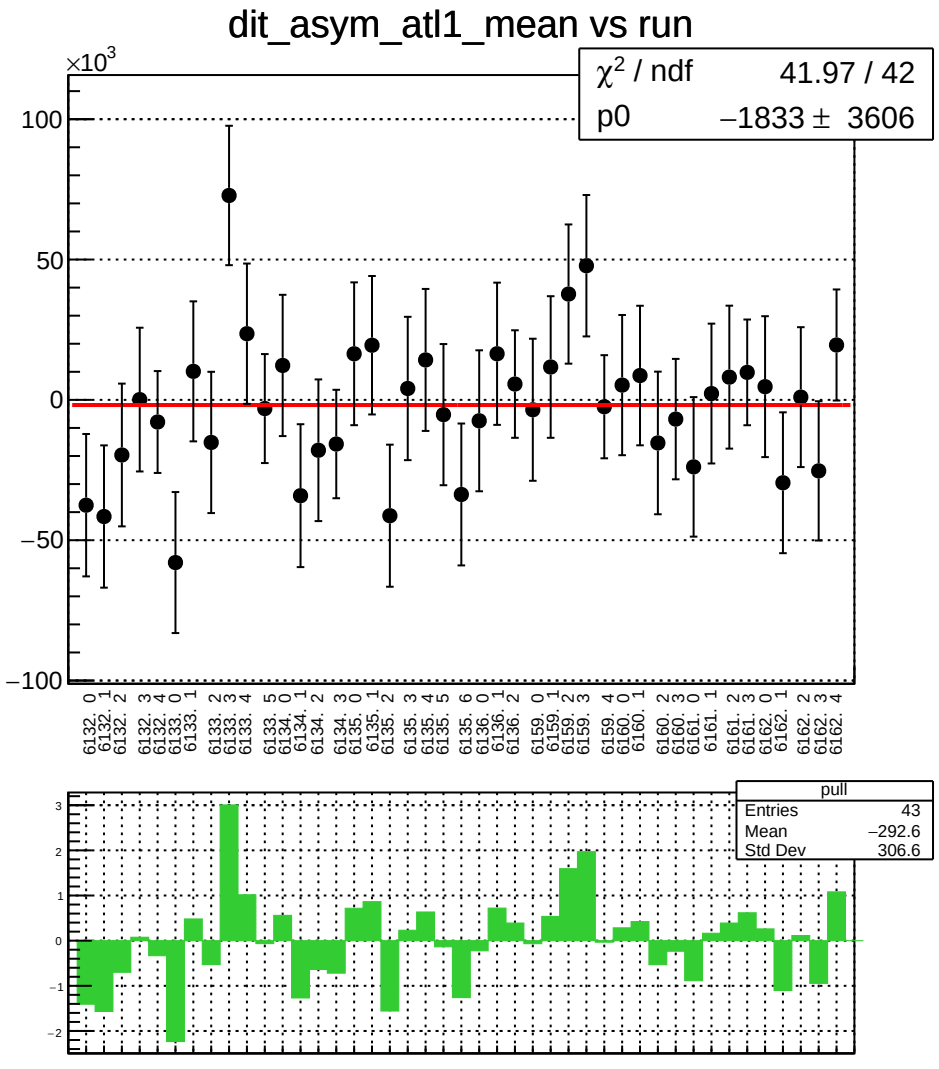


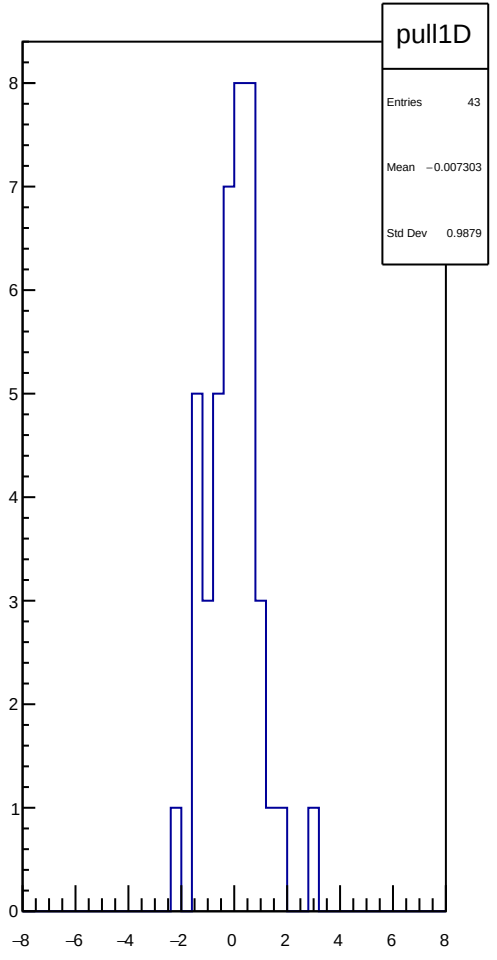

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 5.24e+04 / 42
p0 1358 ± 1.499
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

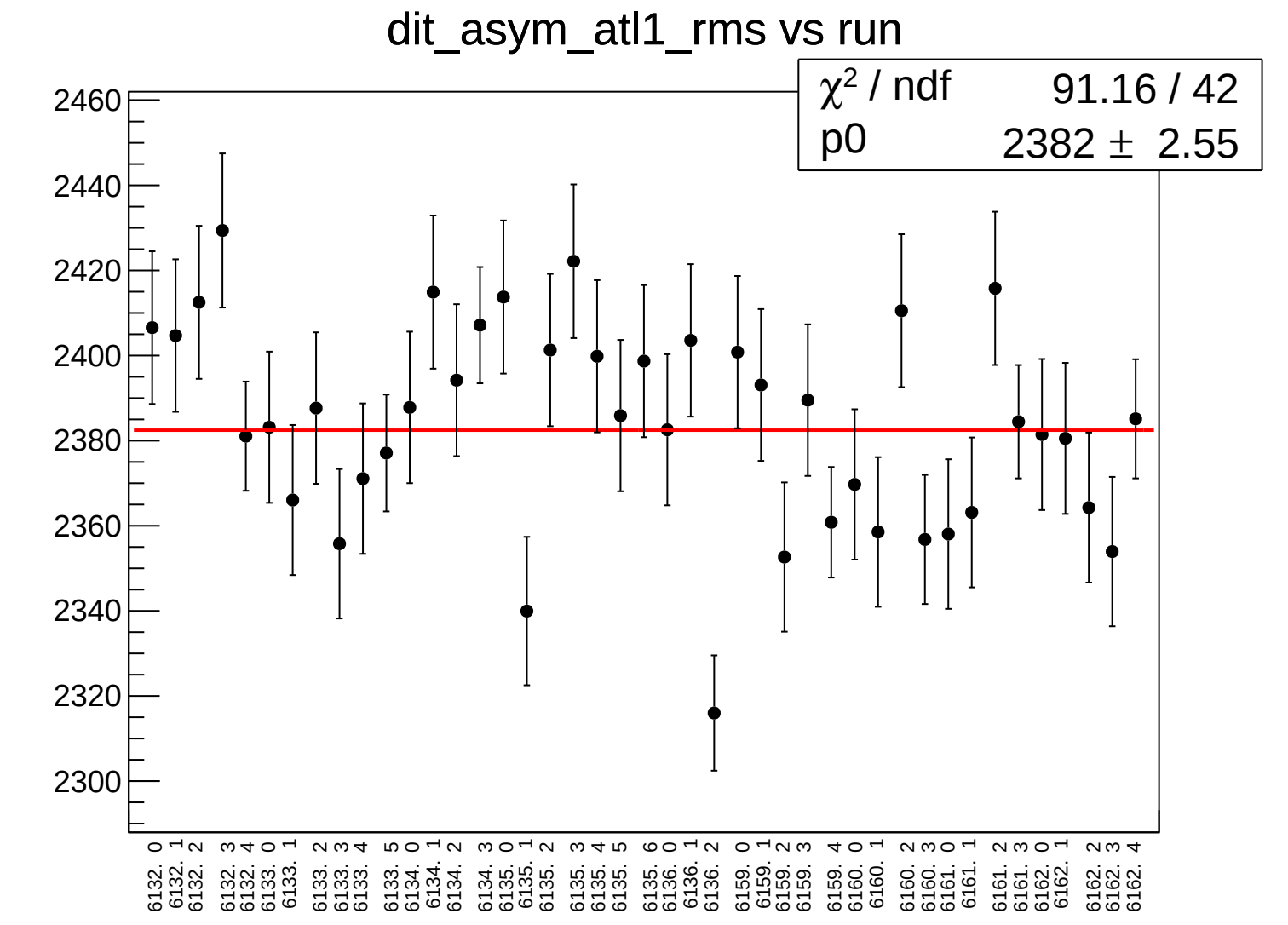

asym_atl_dd_atr_dd_dd_mean vs run
×10^3
χ² / ndf 59.39 / 42
p0 −647 ± 2872
60
40
20
0
−20
−40
−60
−80
−100
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −368.3
Std Dev 384.9
2
1
0
−1
−2
−3

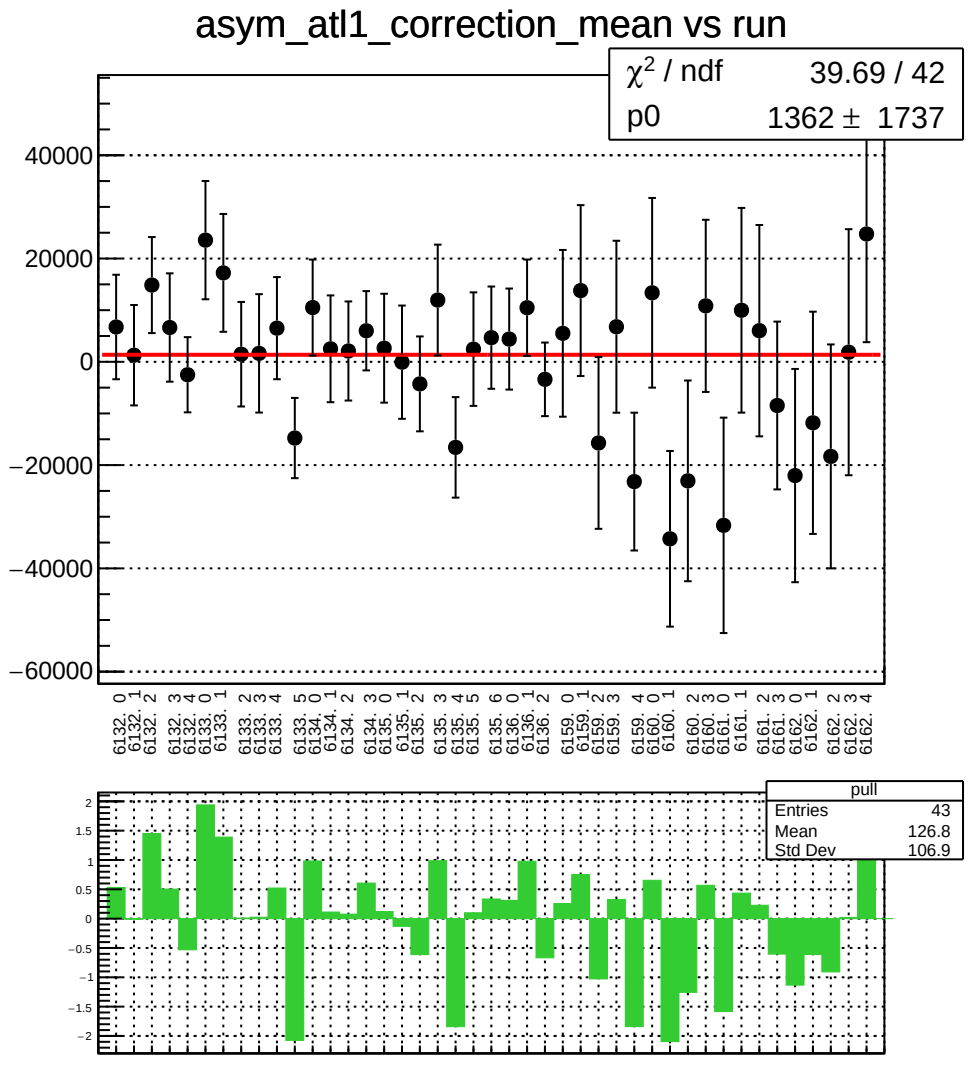

pull1D
Entries 43
Mean −0.01103
Std Dev 1.175
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

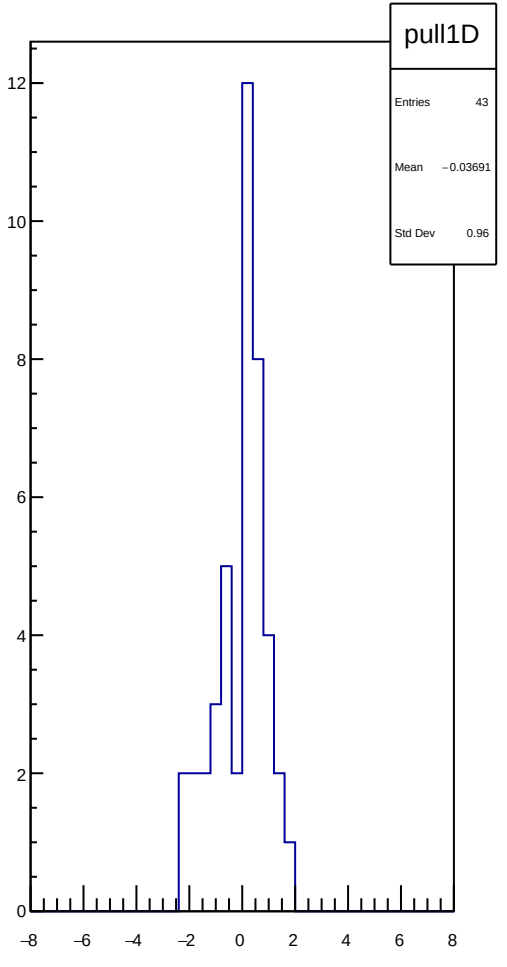

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 2.31e+04 / 42
p0 1872 ± 2.031
3000
2800
2600
2400
2200
2000
1800
1600
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

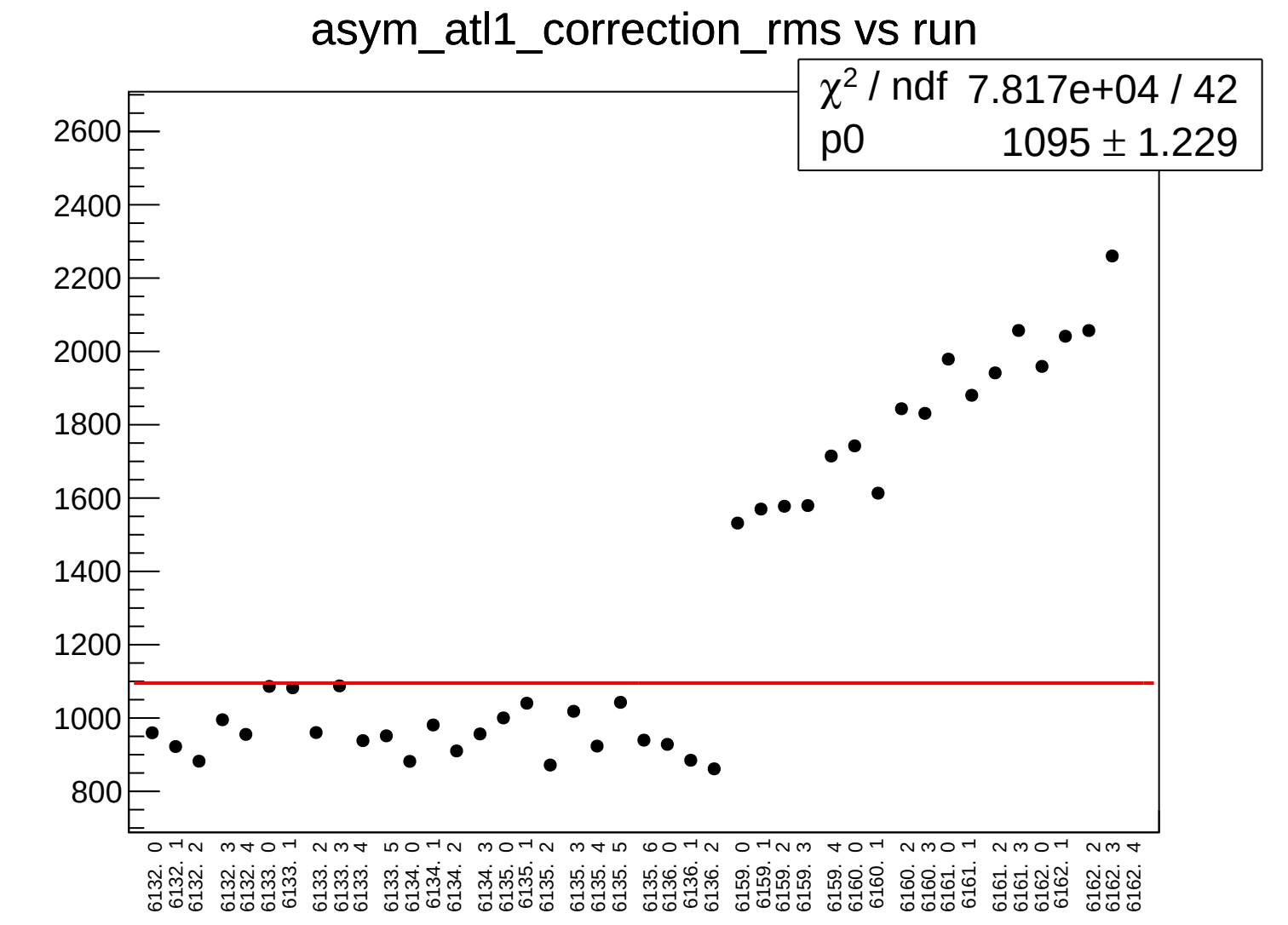

dit_asym_atl1_mean vs run
×10^3
χ² / ndf 41.97 / 42
p0 −1833 ± 3606
100
50
0
−50
−100
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −292.6
Std Dev 306.6
3
2
1
0
−1
−2

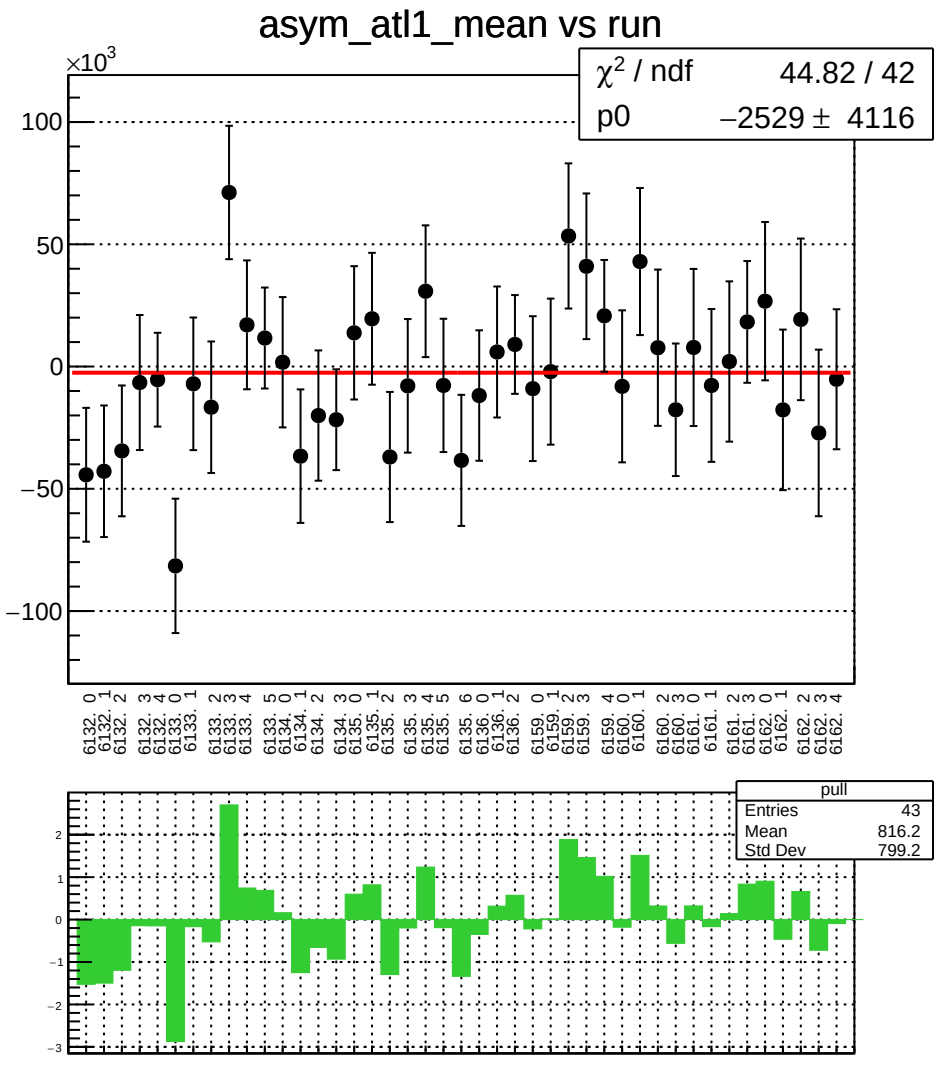

pull1D
Entries 43
Mean −0.007303
Std Dev 0.9879
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

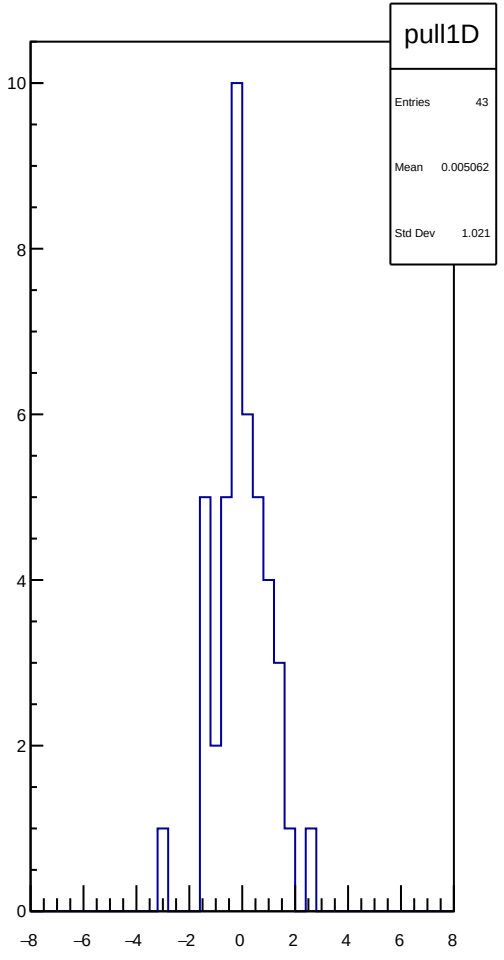

dit_asym_atl1_rms vs run
χ² / ndf 91.16 / 42
p0 2382 ± 2.55
2460
2440
2420
2400
2380
2360
2340
2320
2300
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

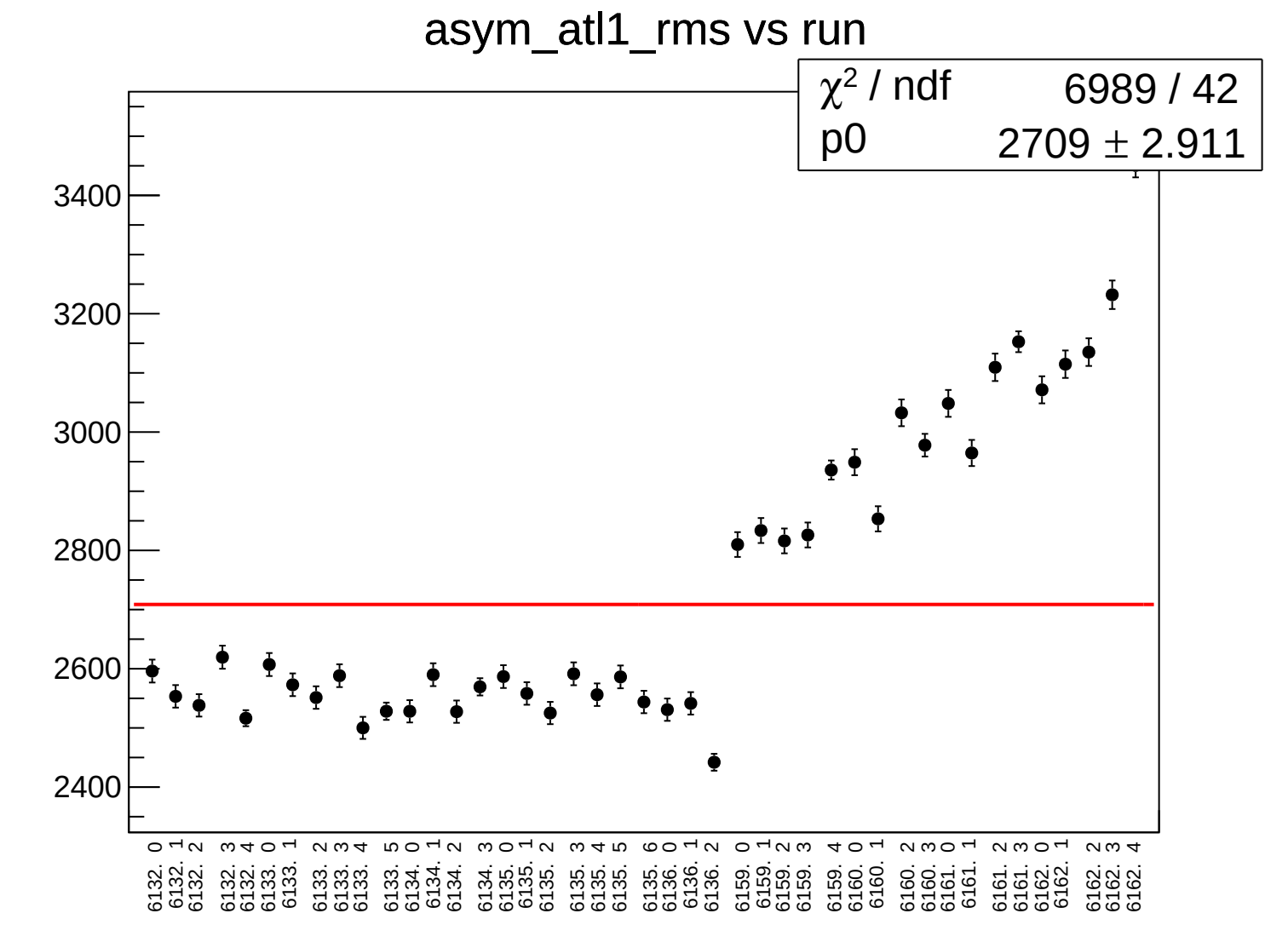

asym_atl1_correction_mean vs run
χ² / ndf 39.69 / 42
p0 1362 ± 1737
40000
20000
0
−20000
−40000
−60000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 126.8
Std Dev 106.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

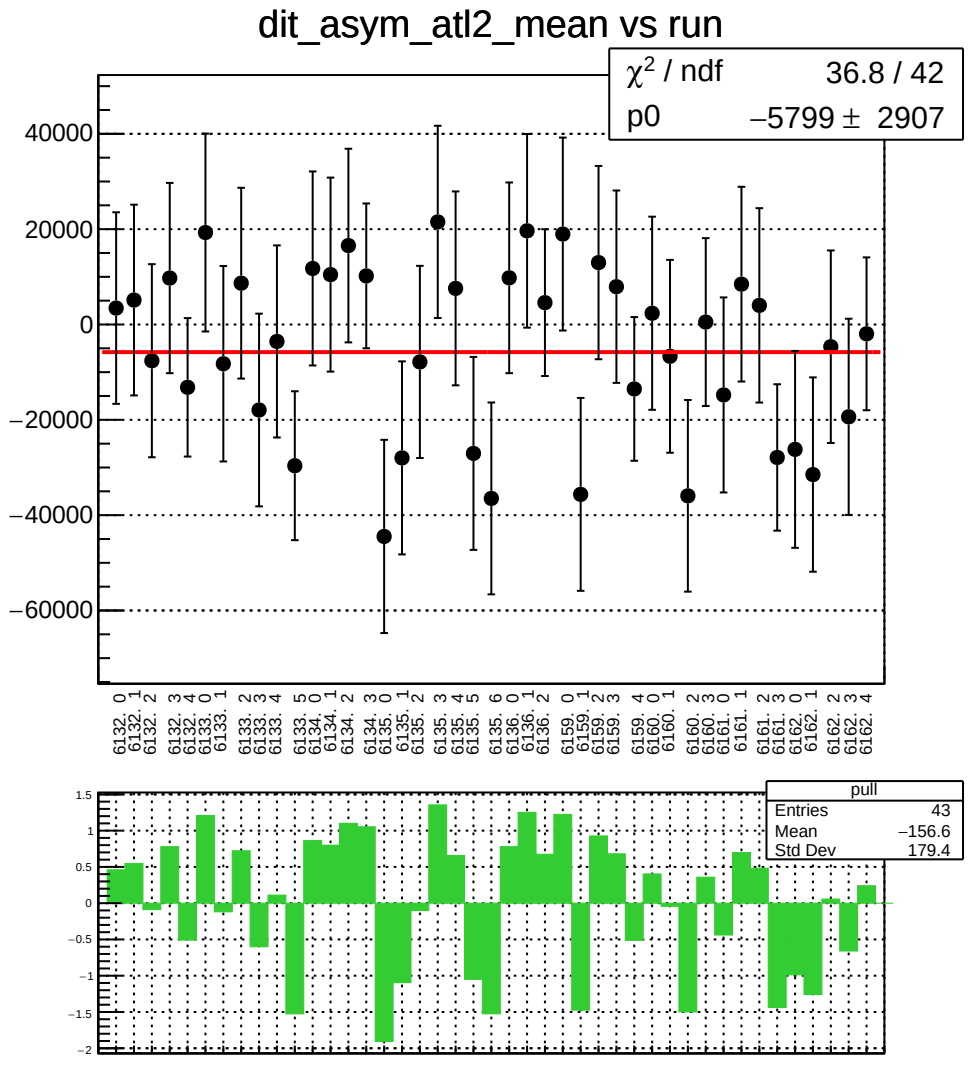

pull1D
Entries 43
Mean −0.03691
Std Dev 0.96
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

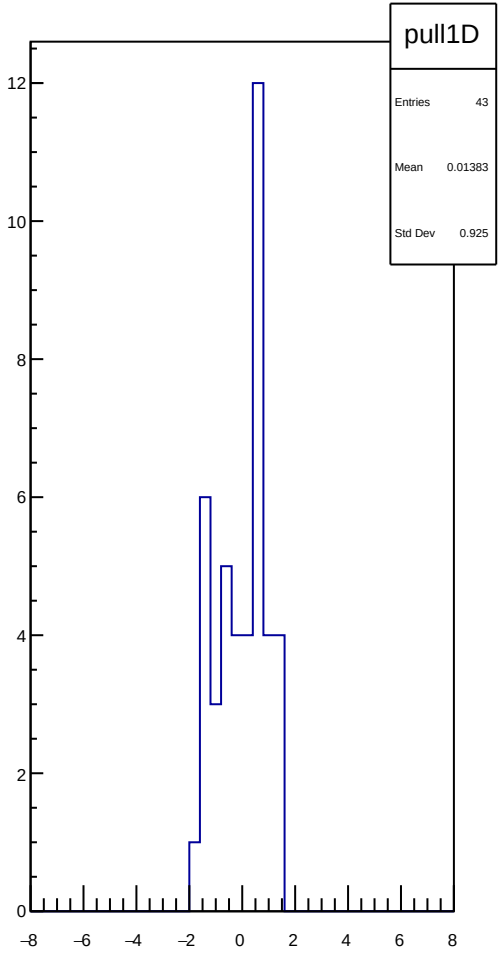

asym_atl1_correction_rms vs run
χ² / ndf 7.817e+04 / 42
p0 1095 ± 1.229
2600
2400
2200
2000
1800
1600
1400
1200
1000
800
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

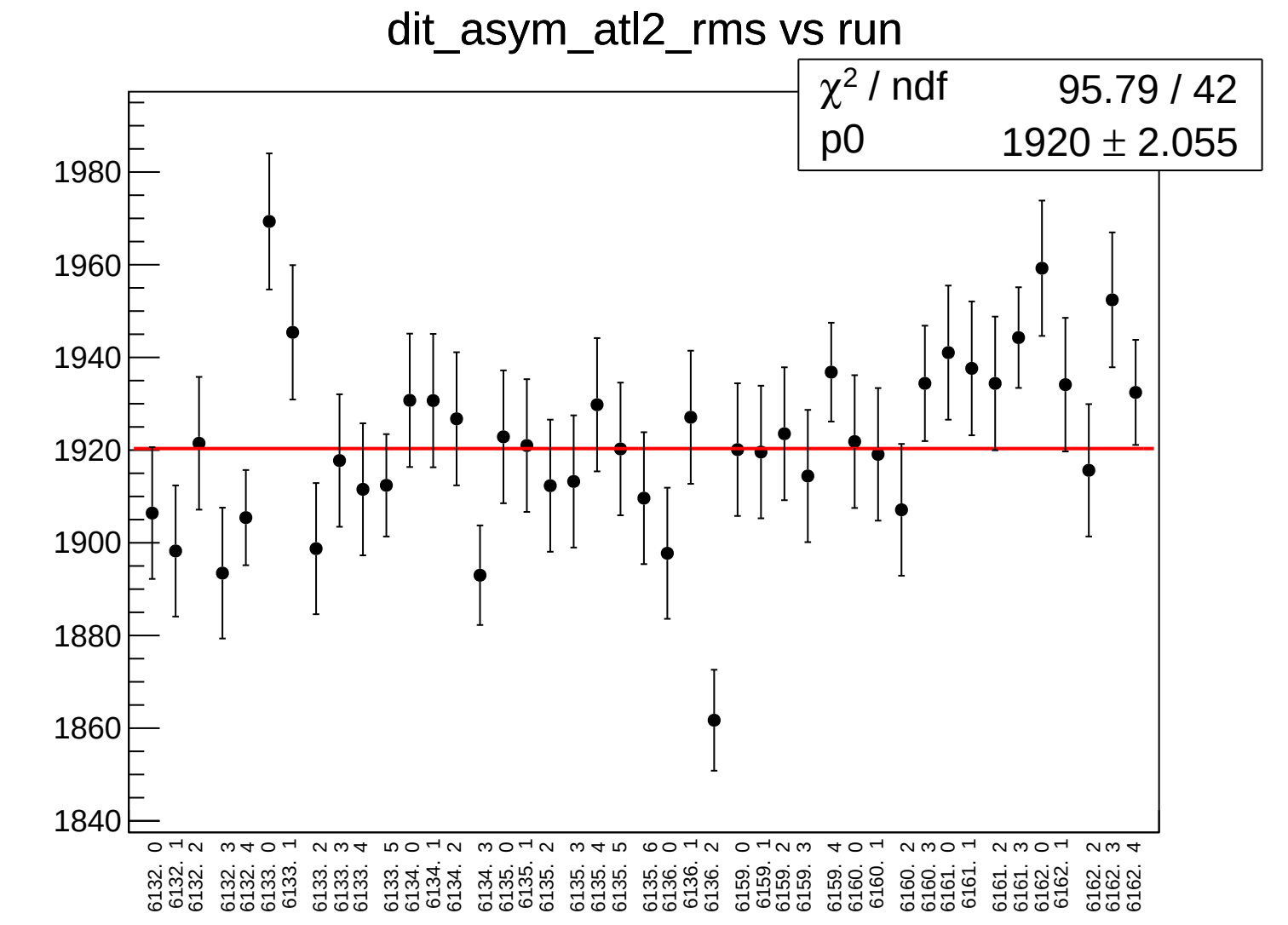

asym_atl1_mean vs run
×10^3
χ² / ndf 44.82 / 42
p0 −2529 ± 4116
100
50
0
−50
−100
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 816.2
Std Dev 799.2
2
1
0
−1
−2
−3

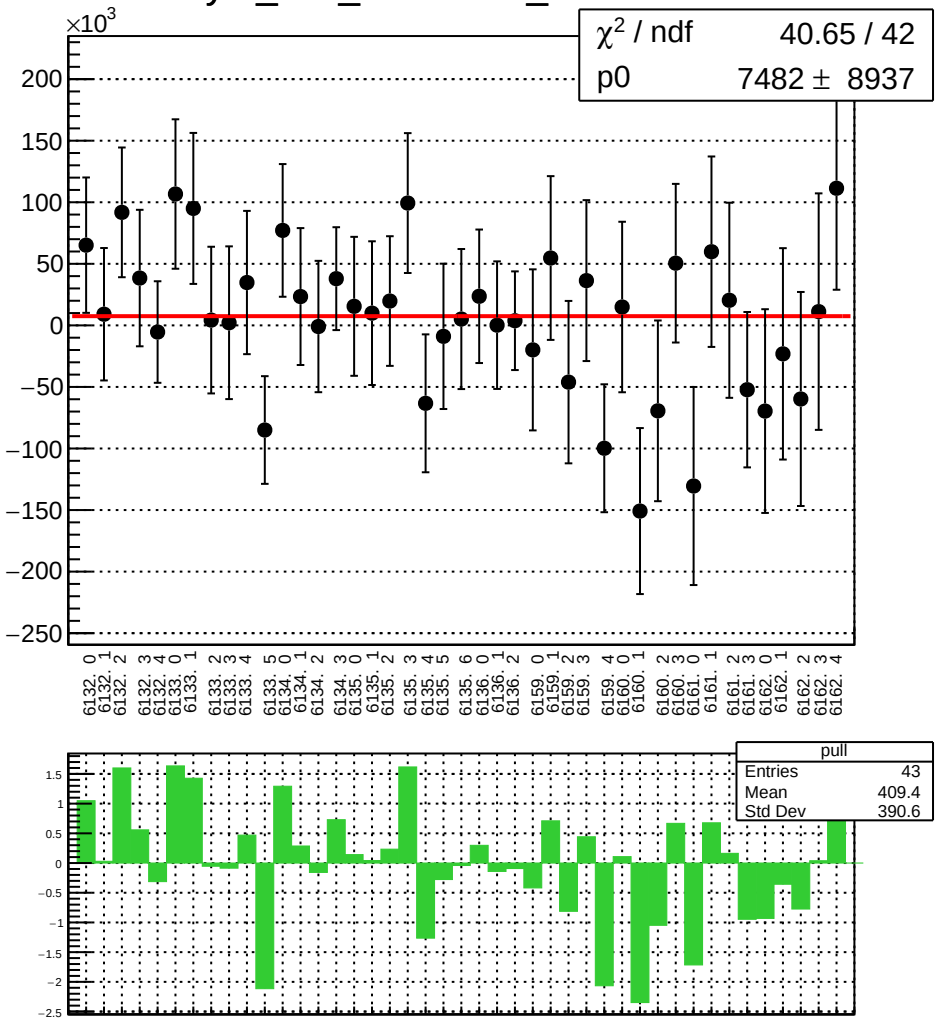

pull1D
Entries 43
Mean 0.005062
Std Dev 1.021
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

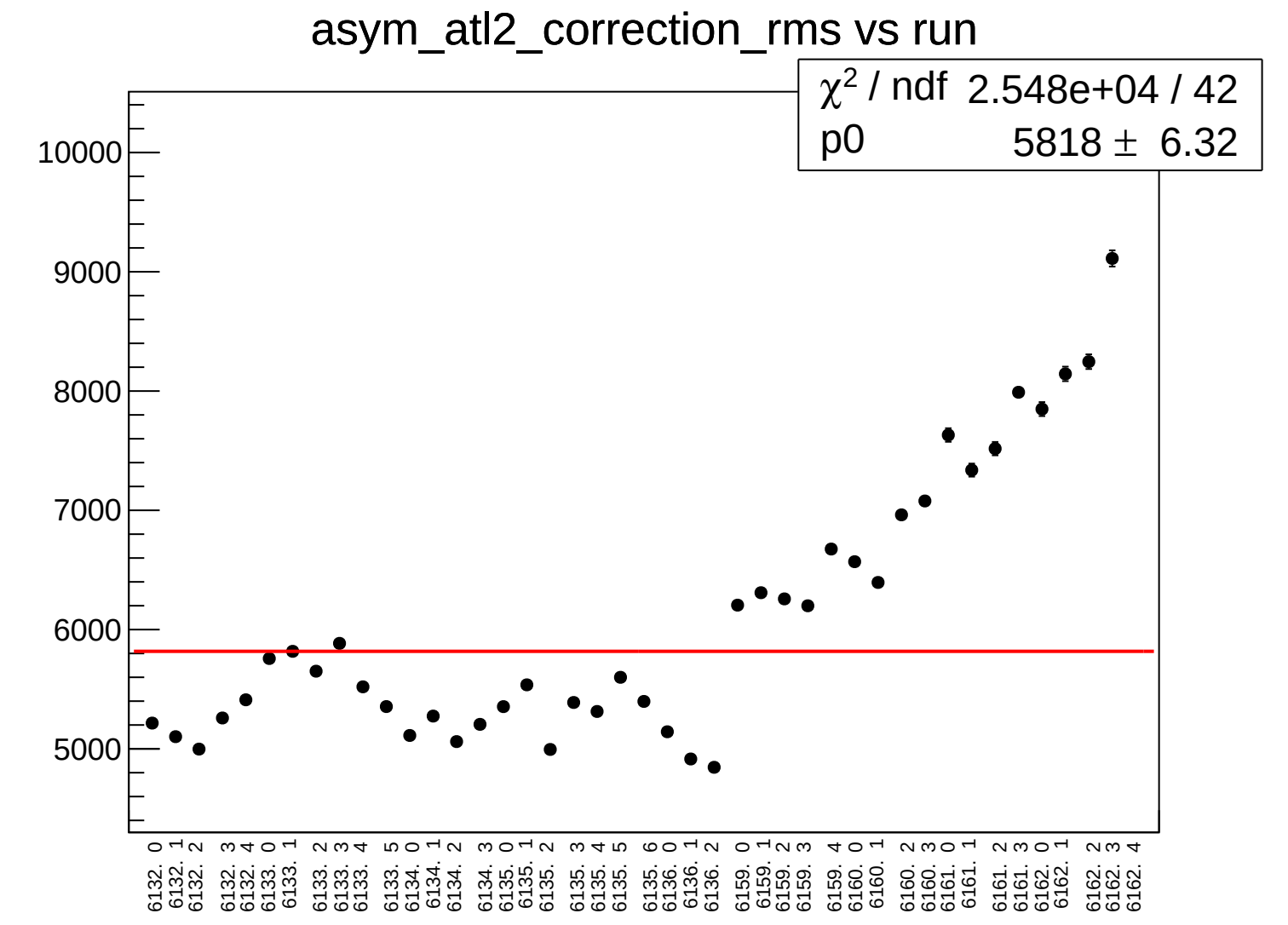

asym_atl1_rms vs run
χ² / ndf 6989 / 42
p0 2709 ± 2.911
3400
3200
3000
2800
2600
2400
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

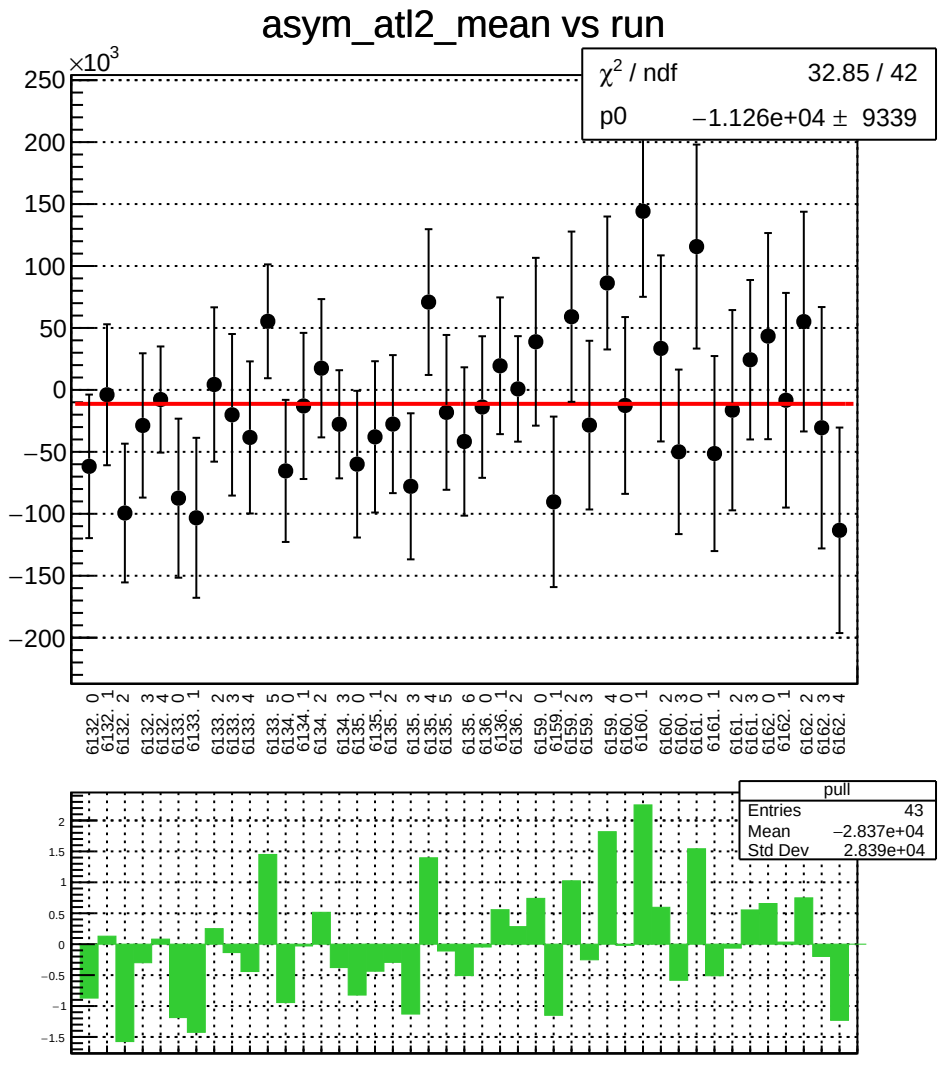

dit_asym_atl2_mean vs run
χ² / ndf 36.8 / 42
p0 −5799 ± 2907
40000
20000
0
−20000
−40000
−60000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −156.6
Std Dev 179.4
1.5
1
0.5
0
−0.5
−1
−1.5
−2

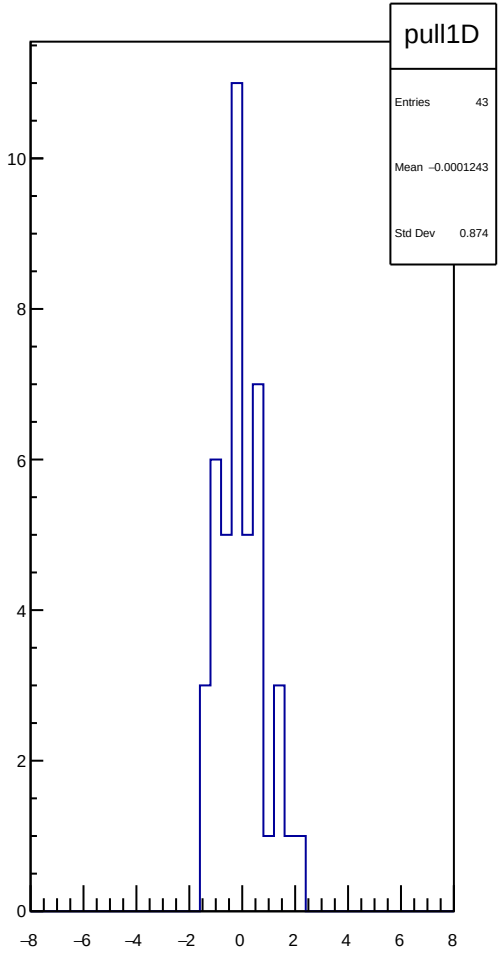

pull1D
Entries 43
Mean 0.01383
Std Dev 0.925
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

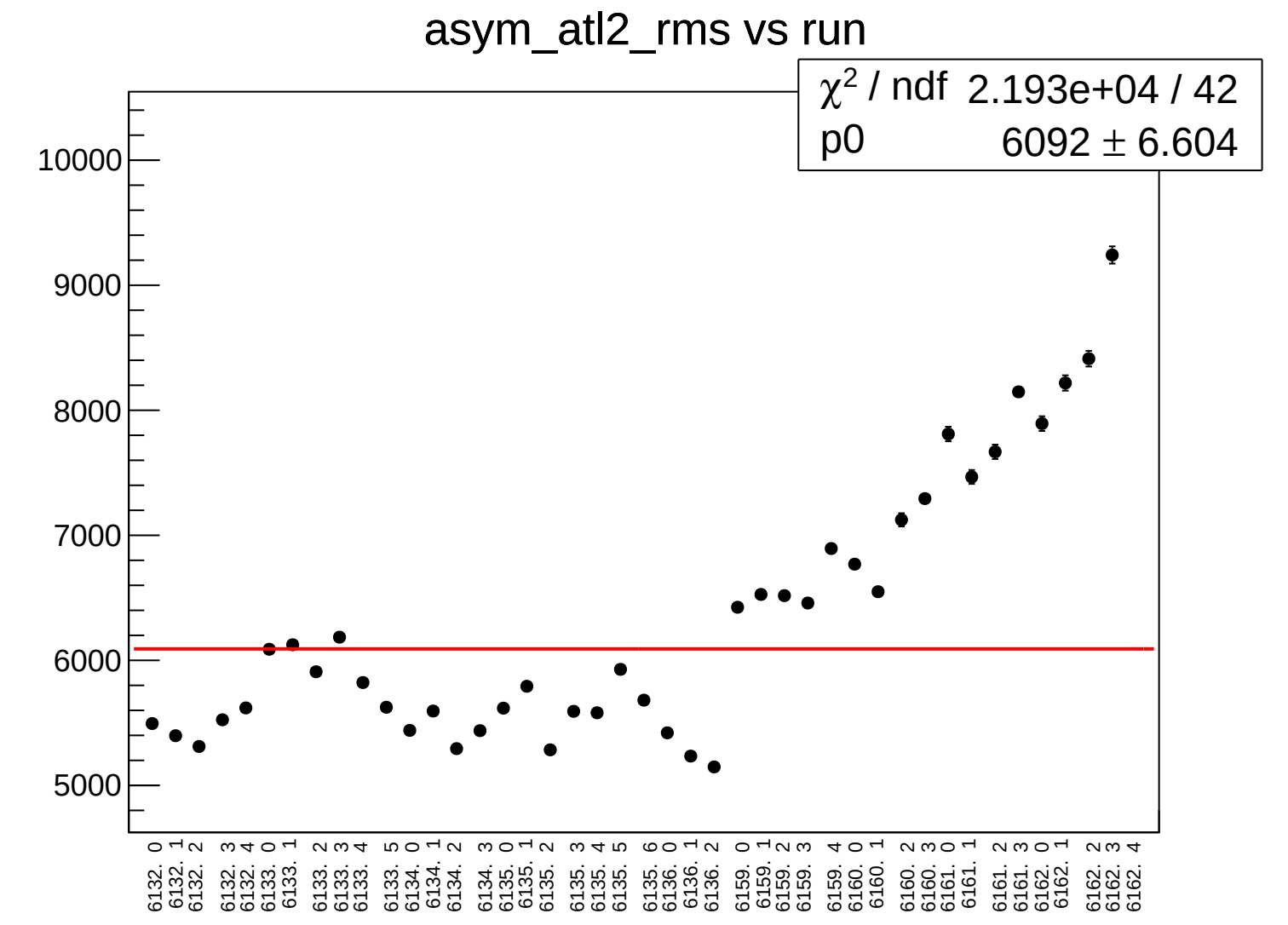

dit_asym_atl2_rms vs run
χ² / ndf 95.79 / 42
p0 1920 ± 2.055
1980
1960
1940
1920
1900
1880
1860
1840
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

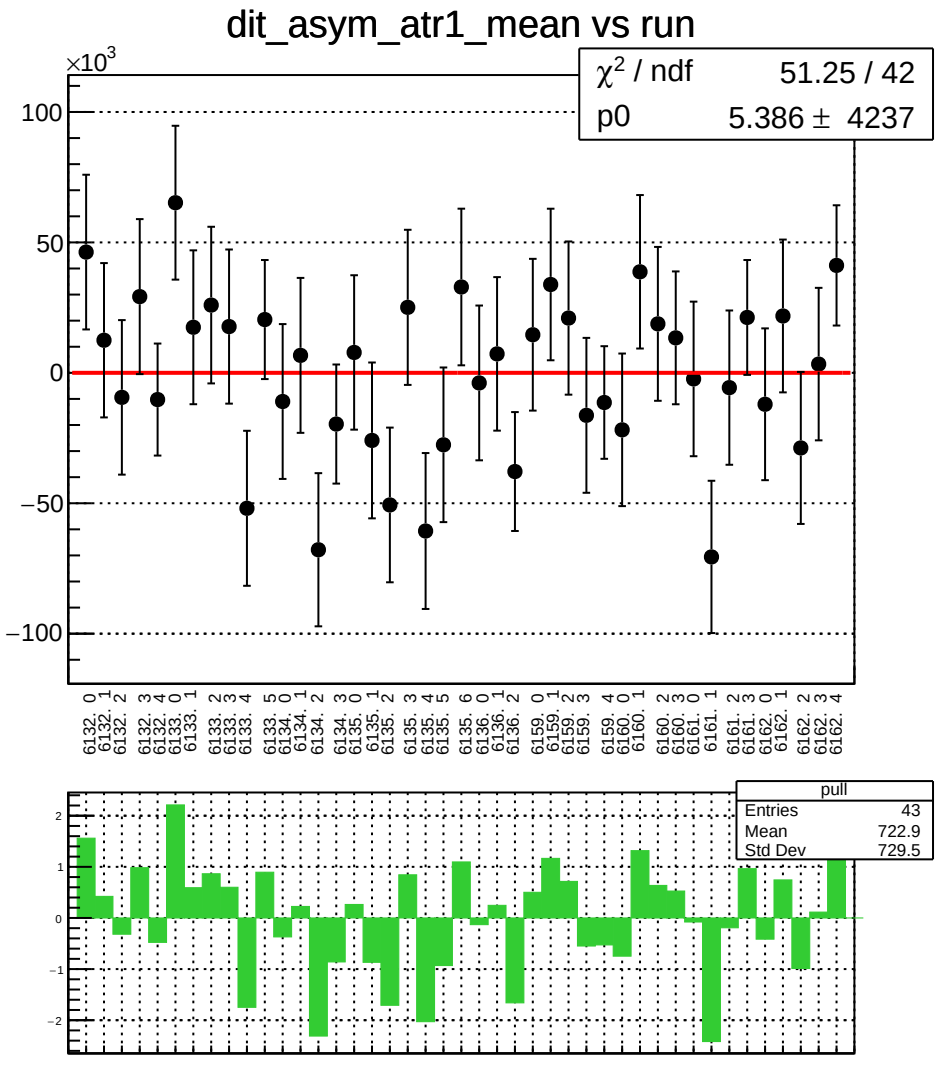

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 40.65 / 42
p0 7482 ± 8937
200
150
100
50
0
−50
−100
−150
−200
−250
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 409.4
Std Dev 390.6
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean −0.01122
Std Dev 0.9723
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

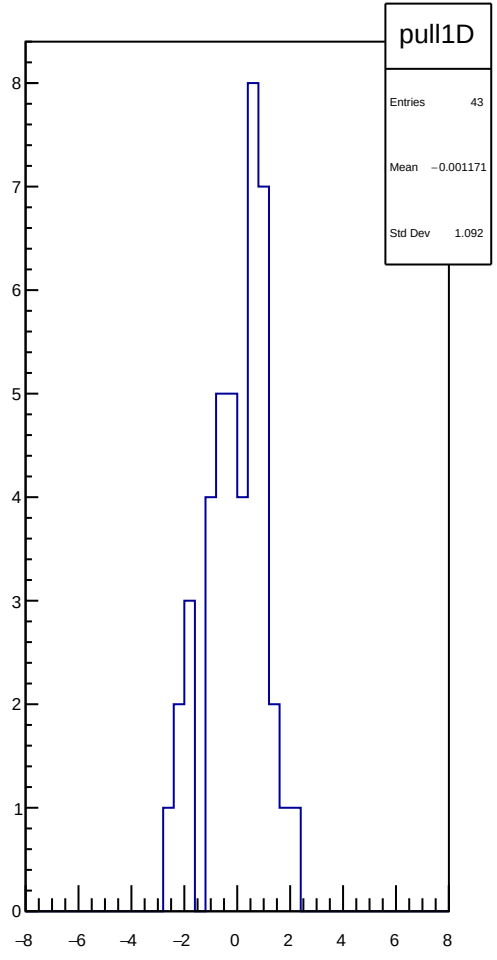

asym_atl2_correction_rms vs run
χ² / ndf 2.548e+04 / 42
p0 5818 ± 6.32
10000
9000
8000
7000
6000
5000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

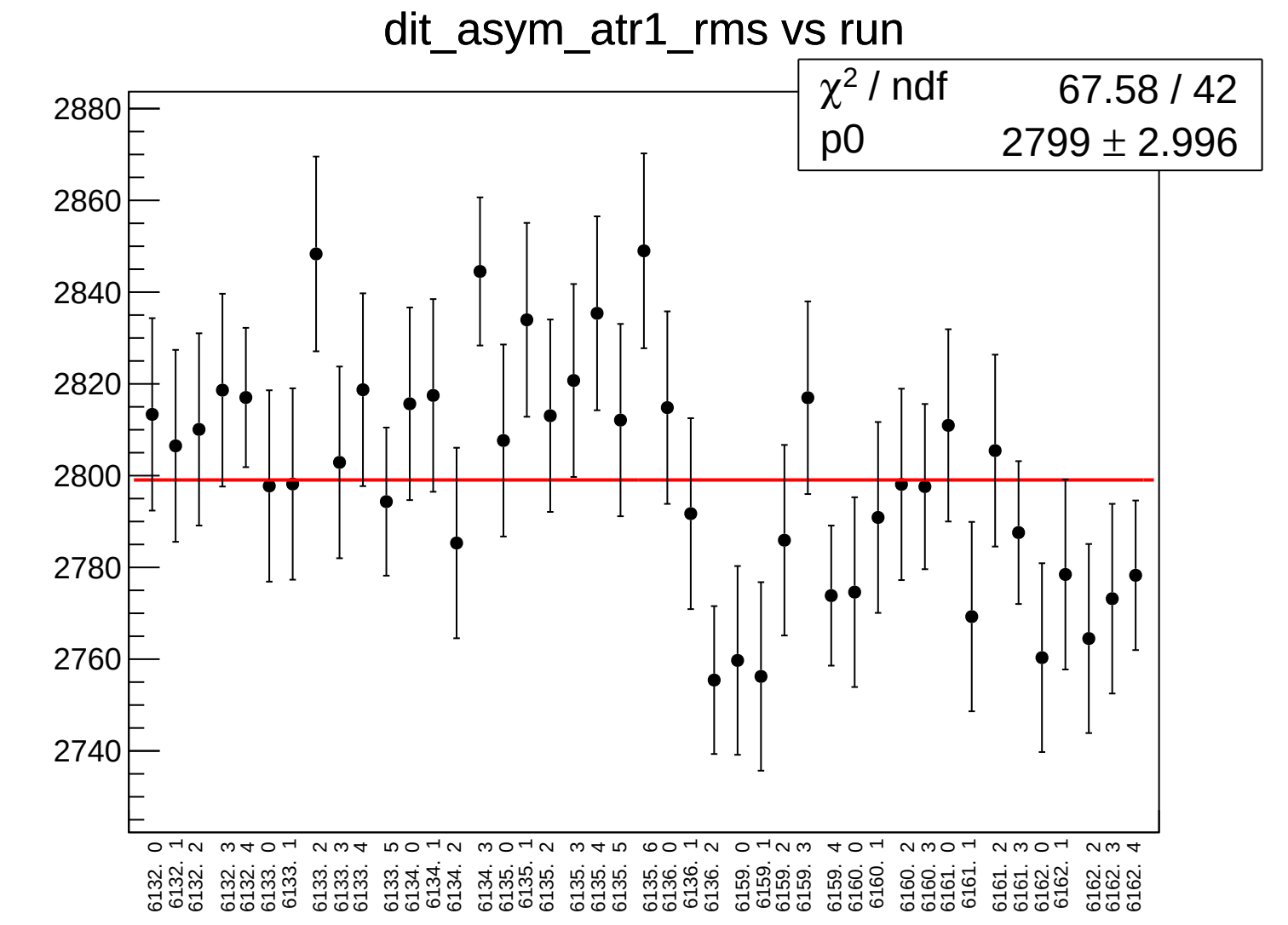

asym_atl2_mean vs run
×10^3
χ² / ndf 32.85 / 42
p0 −1.126e+04 ± 9339
250
200
150
100
50
0
−50
−100
−150
−200
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −2.837e+04
Std Dev 2.839e+04
2
1.5
1
0.5
0
−0.5
−1
−1.5

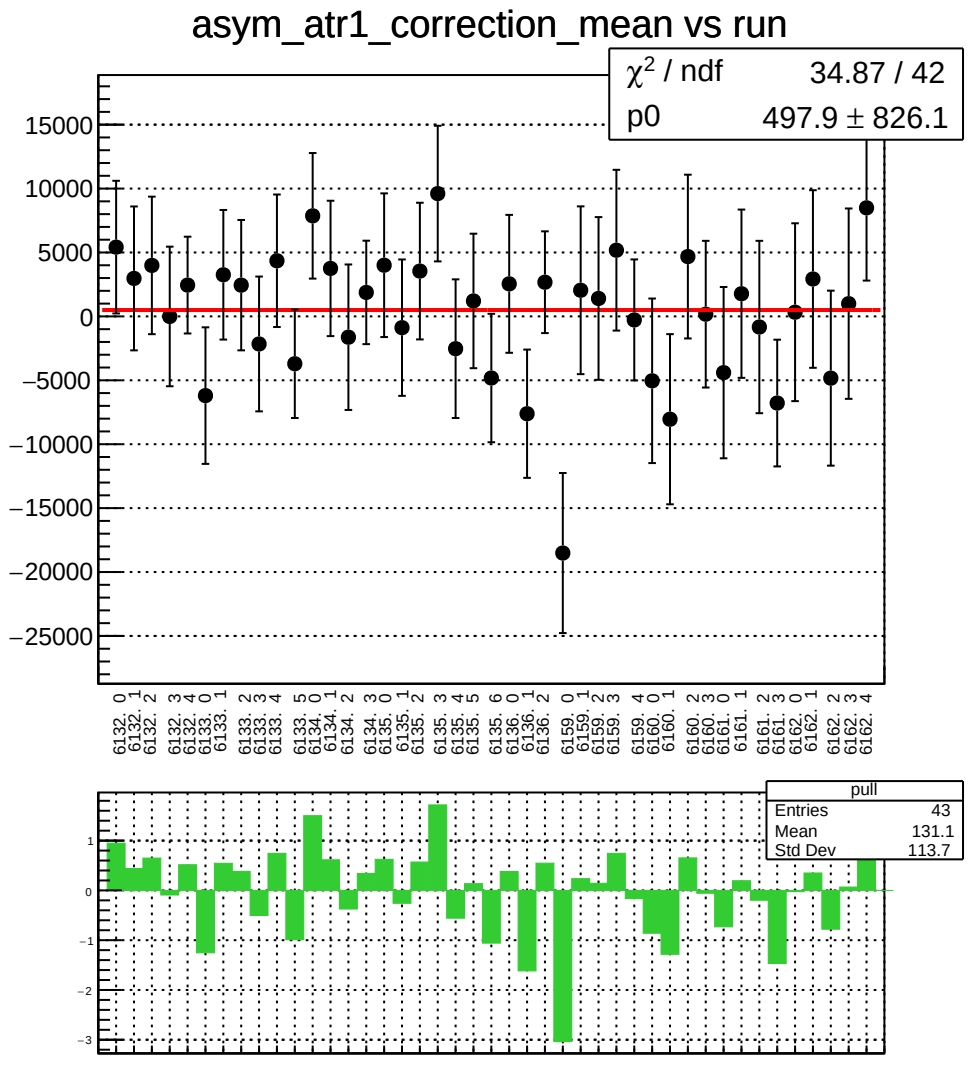

pull1D
Entries 43
Mean −0.0001243
Std Dev 0.874
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

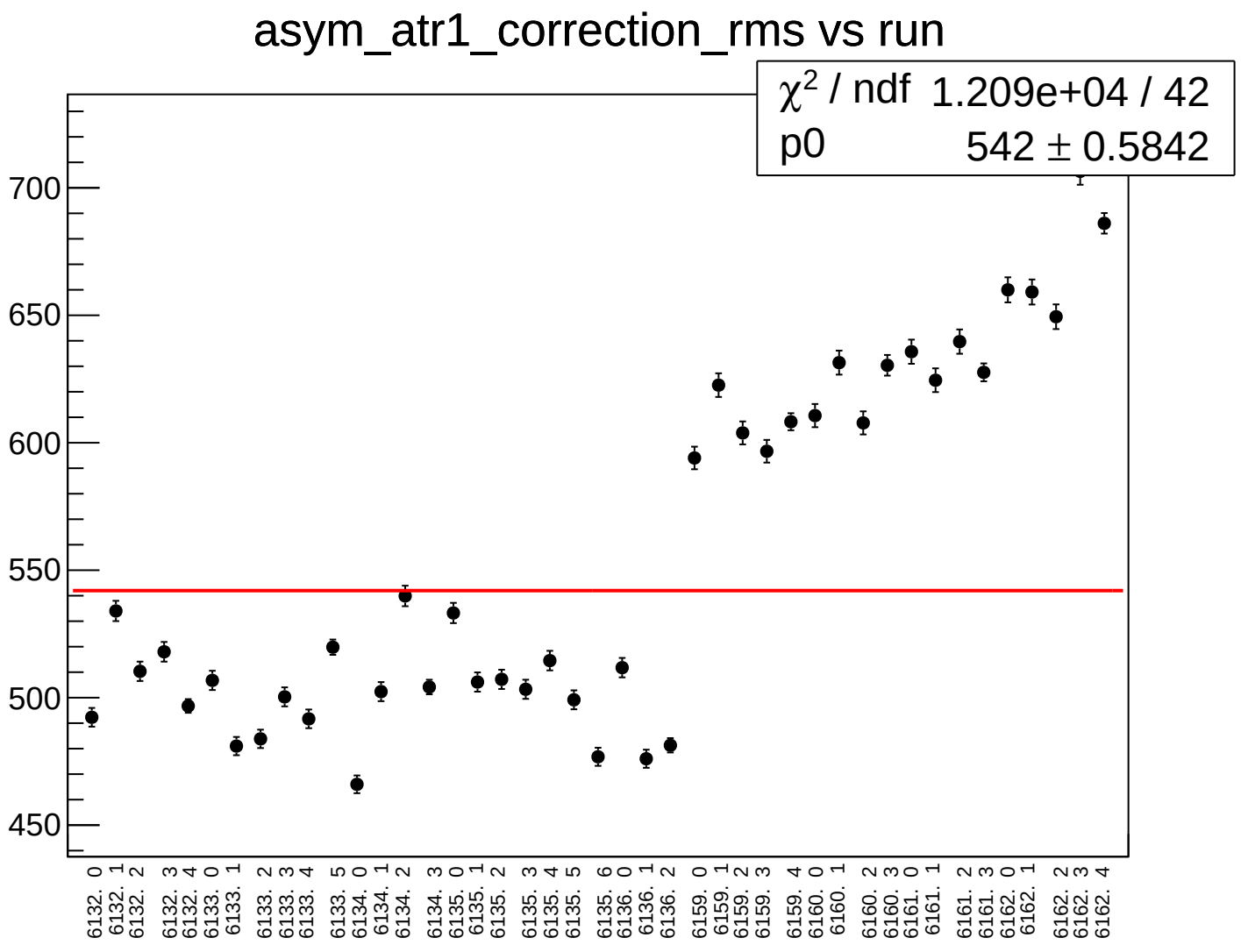

asym_atl2_rms vs run
χ² / ndf 2.193e+04 / 42
p0 6092 ± 6.604
10000
9000
8000
7000
6000
5000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

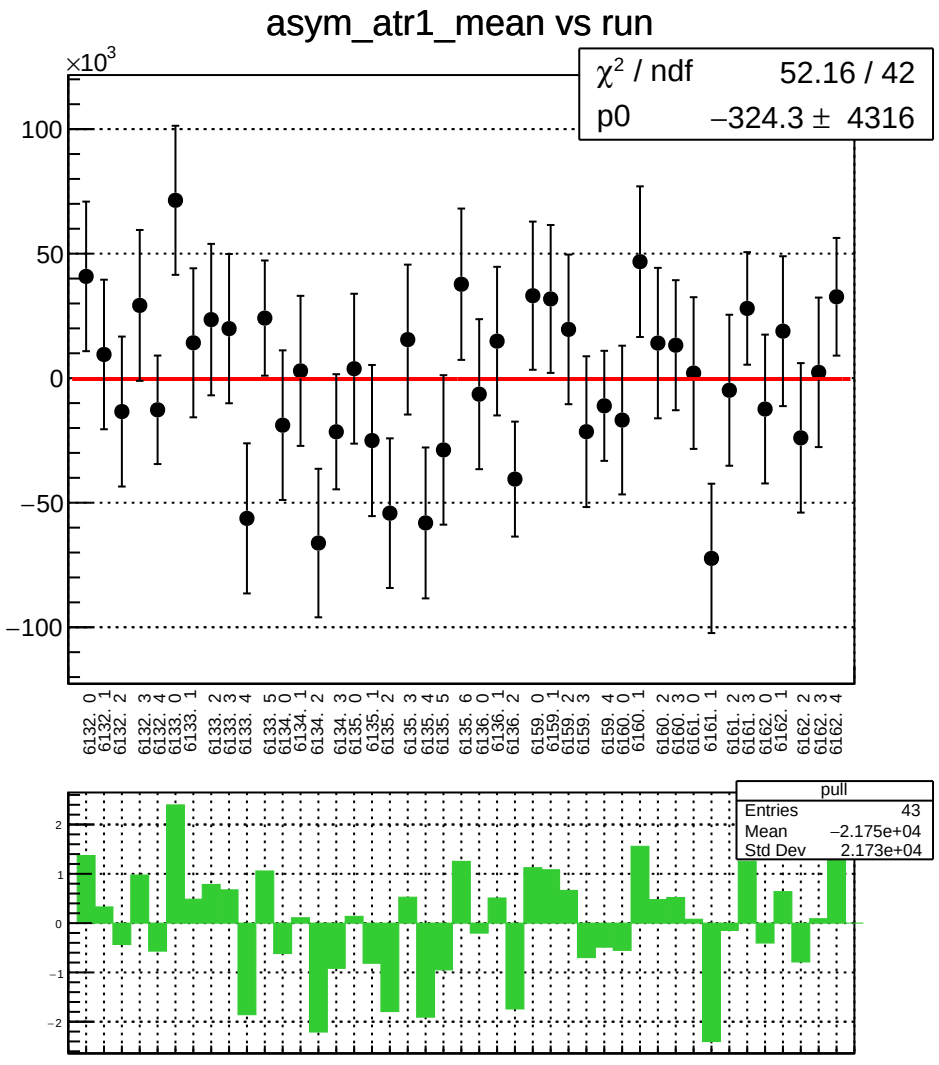

dit_asym_atr1_mean vs run
×10^3
χ^2 / ndf 51.25 / 42
p0 5.386 ± 4237
100
50
0
−50
−100
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 722.9
Std Dev 729.5
2
1
0
−1
−2

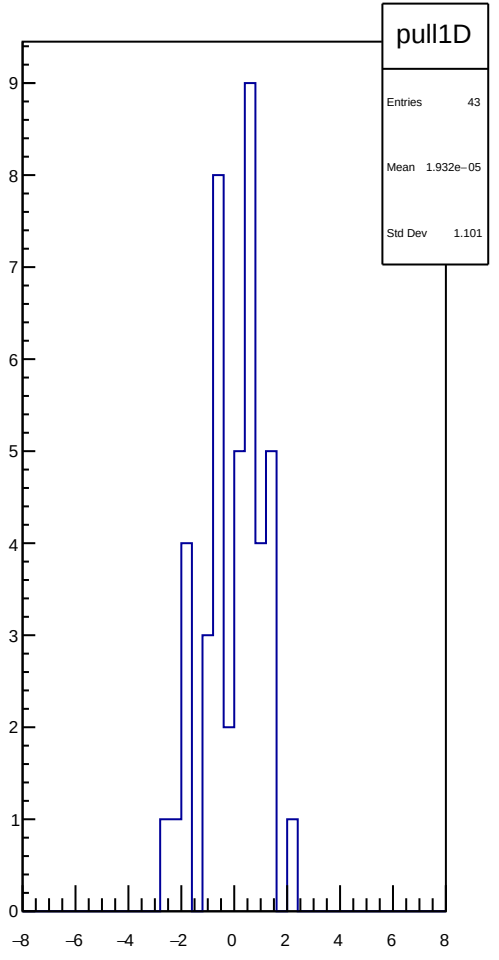

pull1D
Entries 43
Mean −0.001171
Std Dev 1.092
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

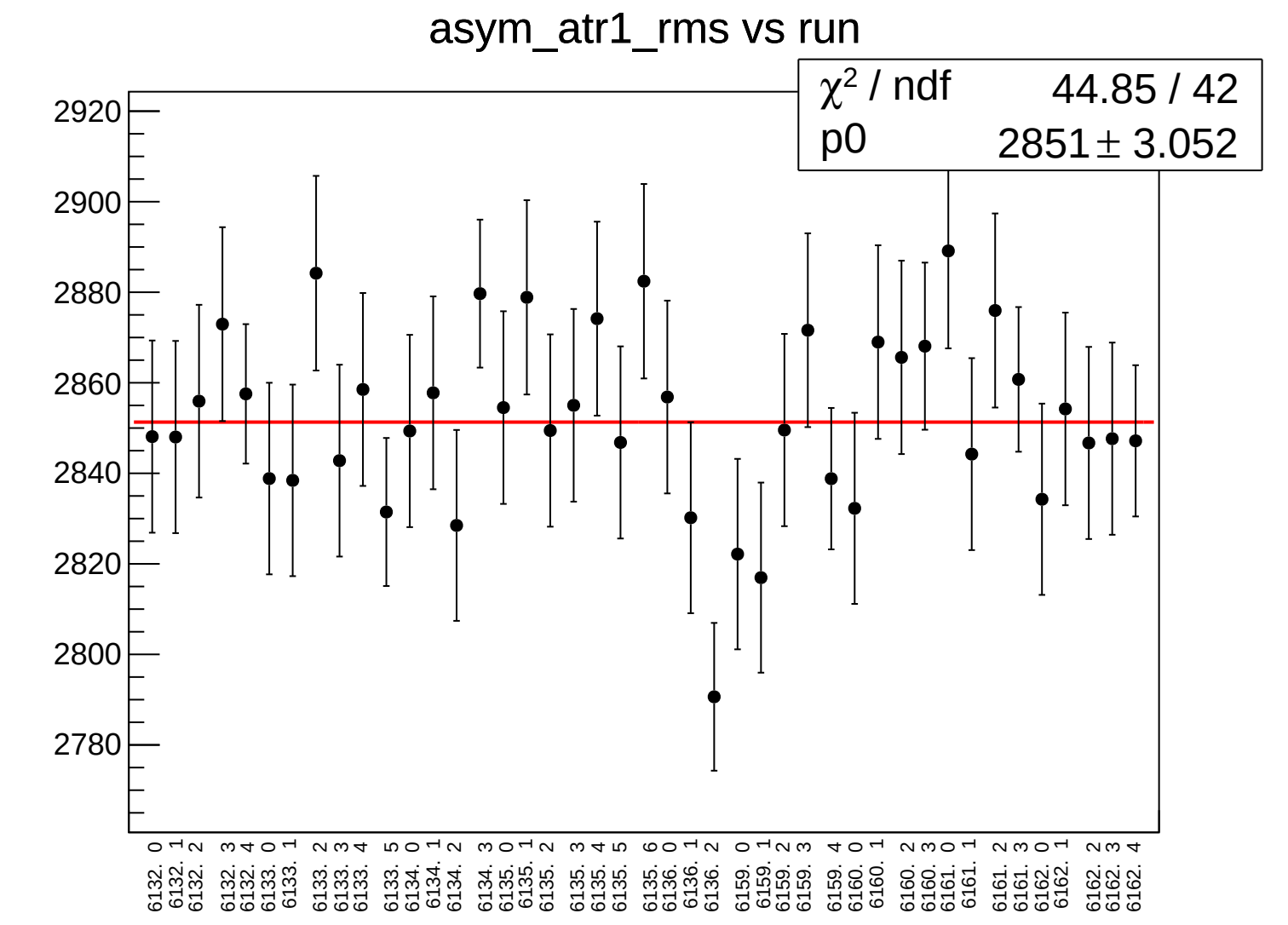

dit_asym_atr1_rms vs run
χ² / ndf 67.58 / 42
p0 2799 ± 2.996
2880
2860
2840
2820
2800
2780
2760
2740
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

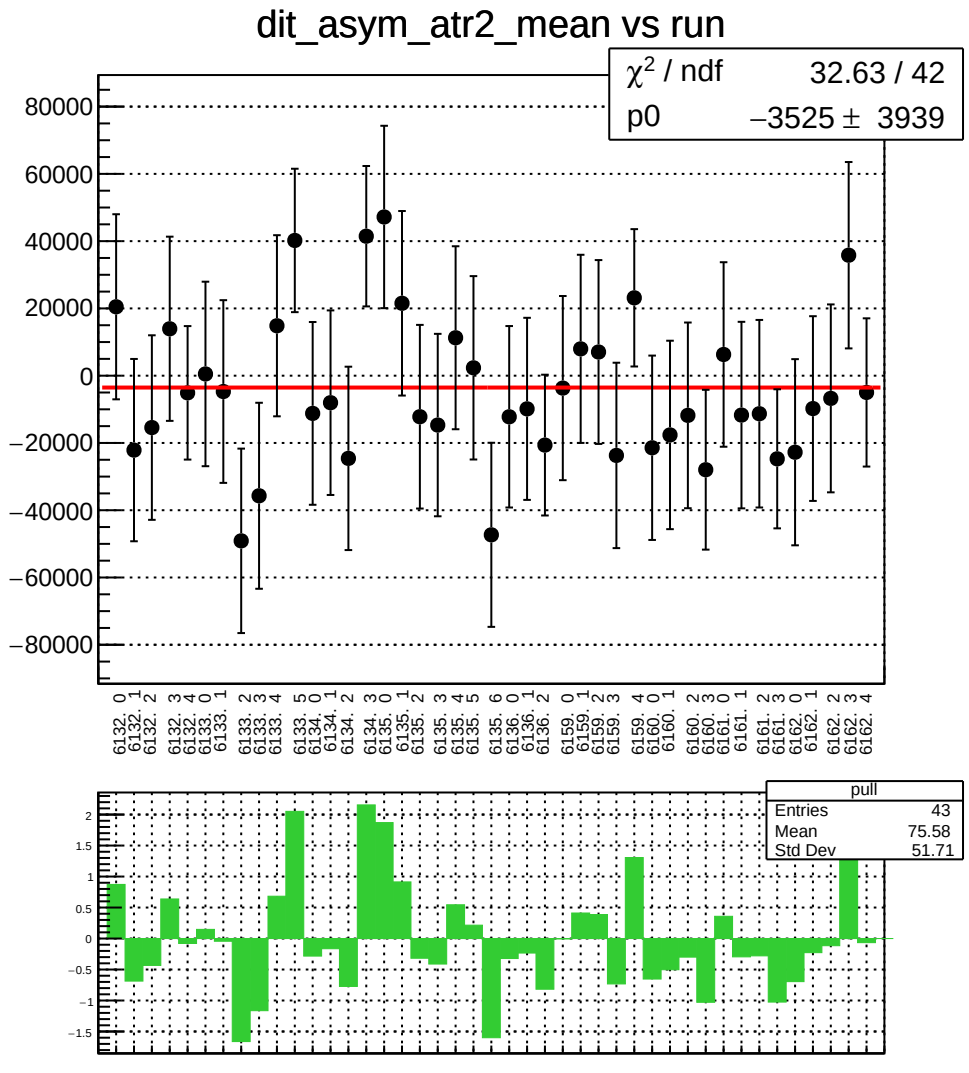

asym_atr1_correction_mean vs run
χ² / ndf 34.87 / 42
p0 497.9 ± 826.1
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 131.1
Std Dev 113.7
1
0
−1
−2
−3
pull1D
Entries 43
Mean −0.0201
Std Dev 0.9003
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

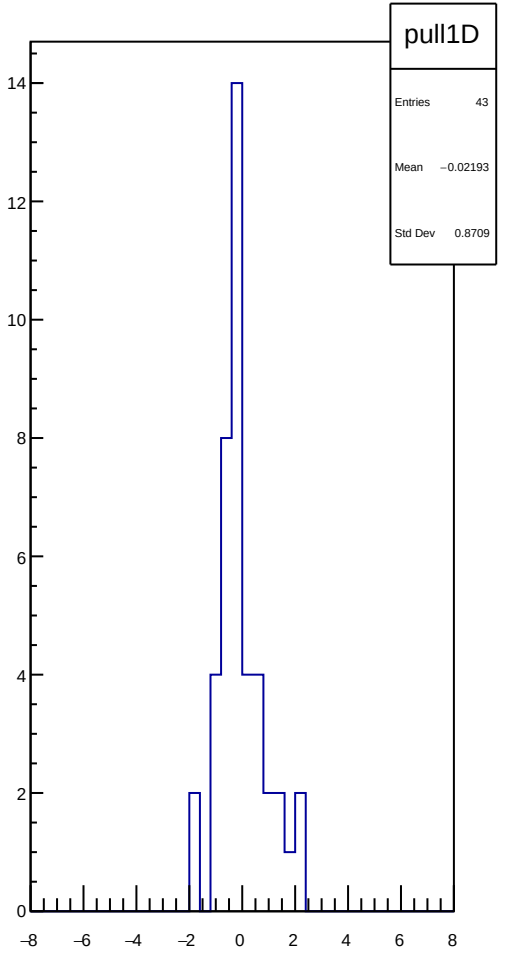

asym_atr1_correction_rms vs run
χ² / ndf 1.209e+04 / 42
p0 542 ± 0.5842
700
650
600
550
500
450
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

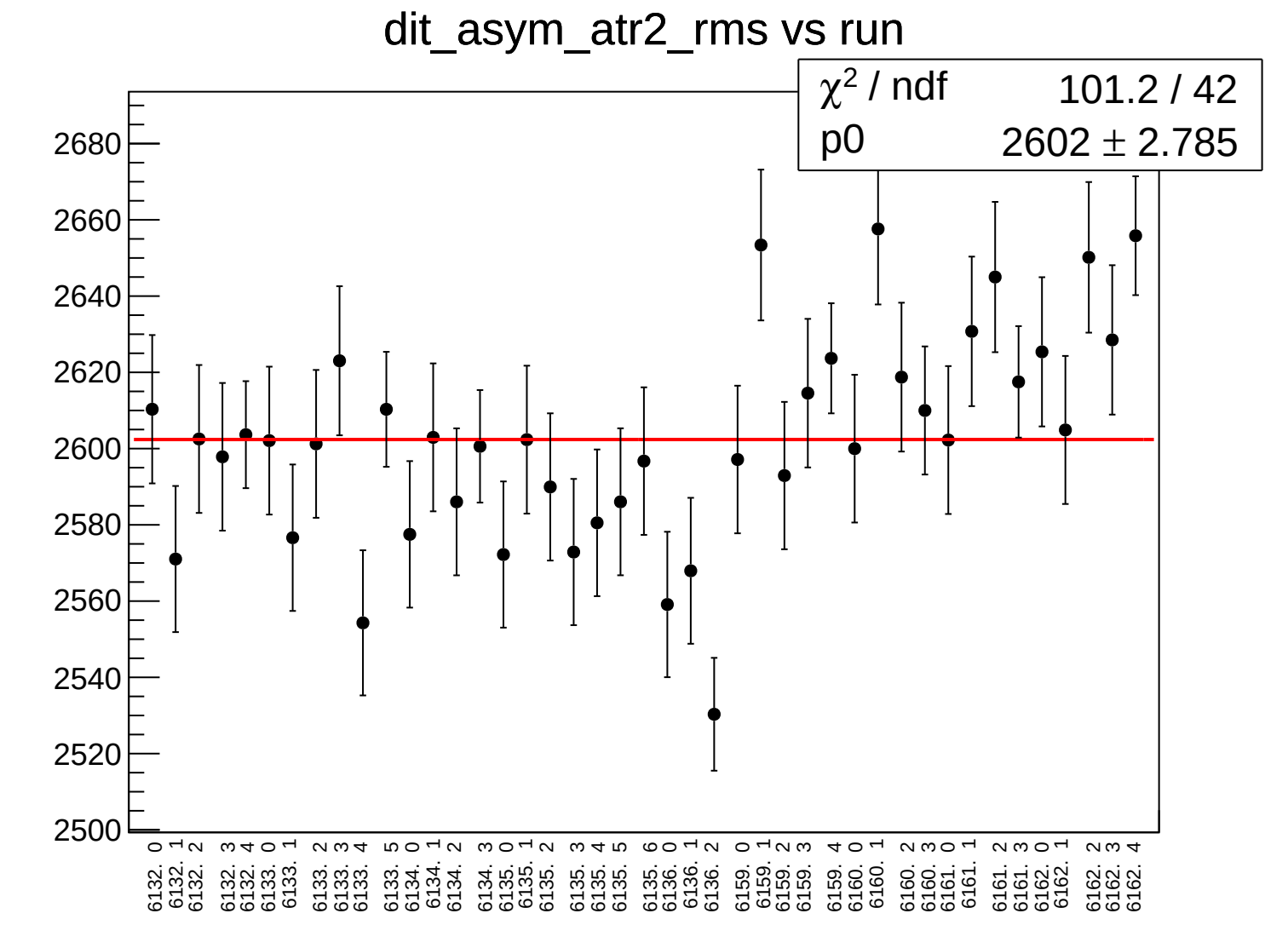

asym_atr1_mean vs run
×10^3
χ² / ndf 52.16 / 42
p0 −324.3 ± 4316
100
50
0
−50
−100
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −2.175e+04
Std Dev 2.173e+04
2
1
0
−1
−2

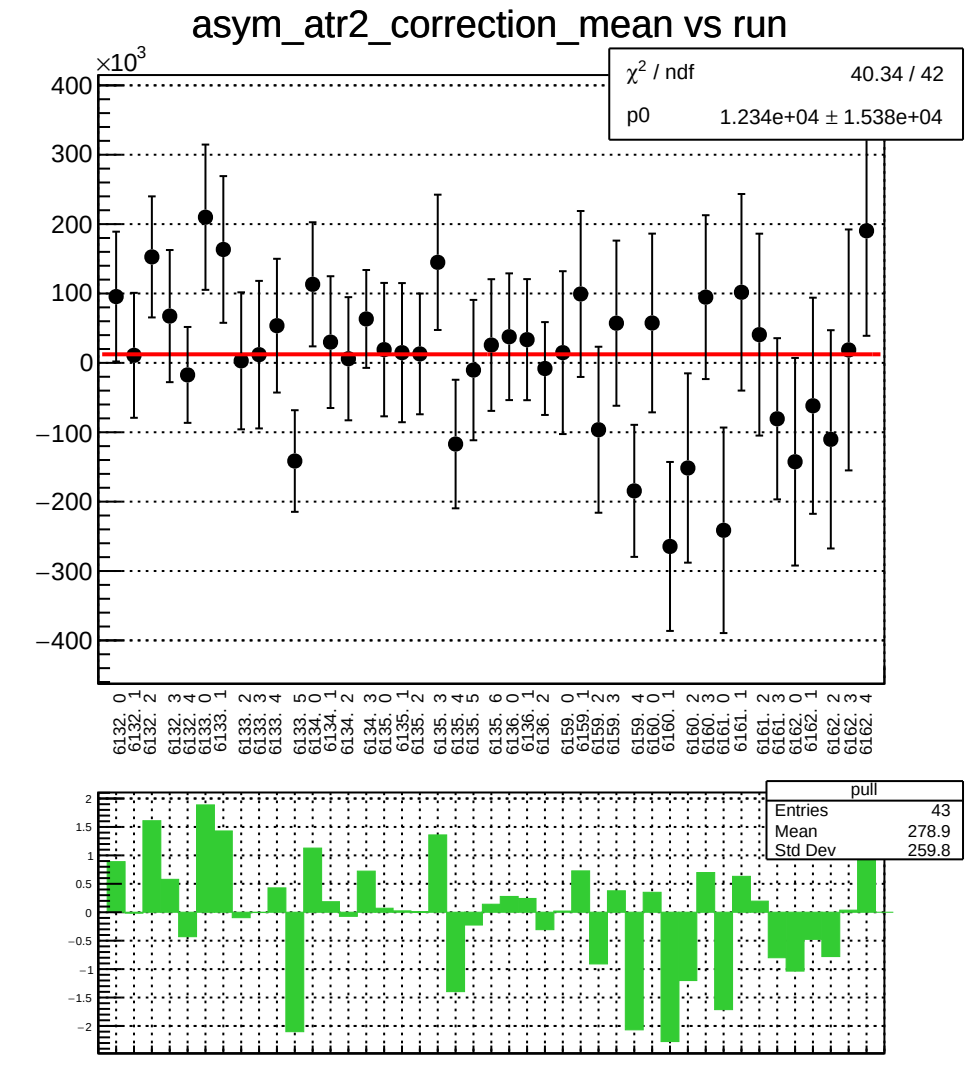

pull1D
Entries 43
Mean 1.932e−05
Std Dev 1.101
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

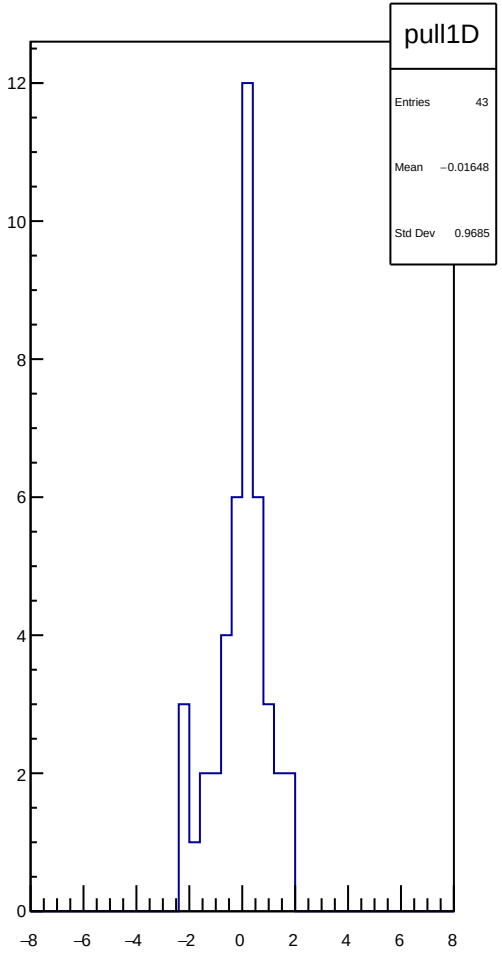

asym_atr1_rms vs run
χ² / ndf 44.85 / 42
p0 2851 ± 3.052
2920
2900
2880
2860
2840
2820
2800
2780
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

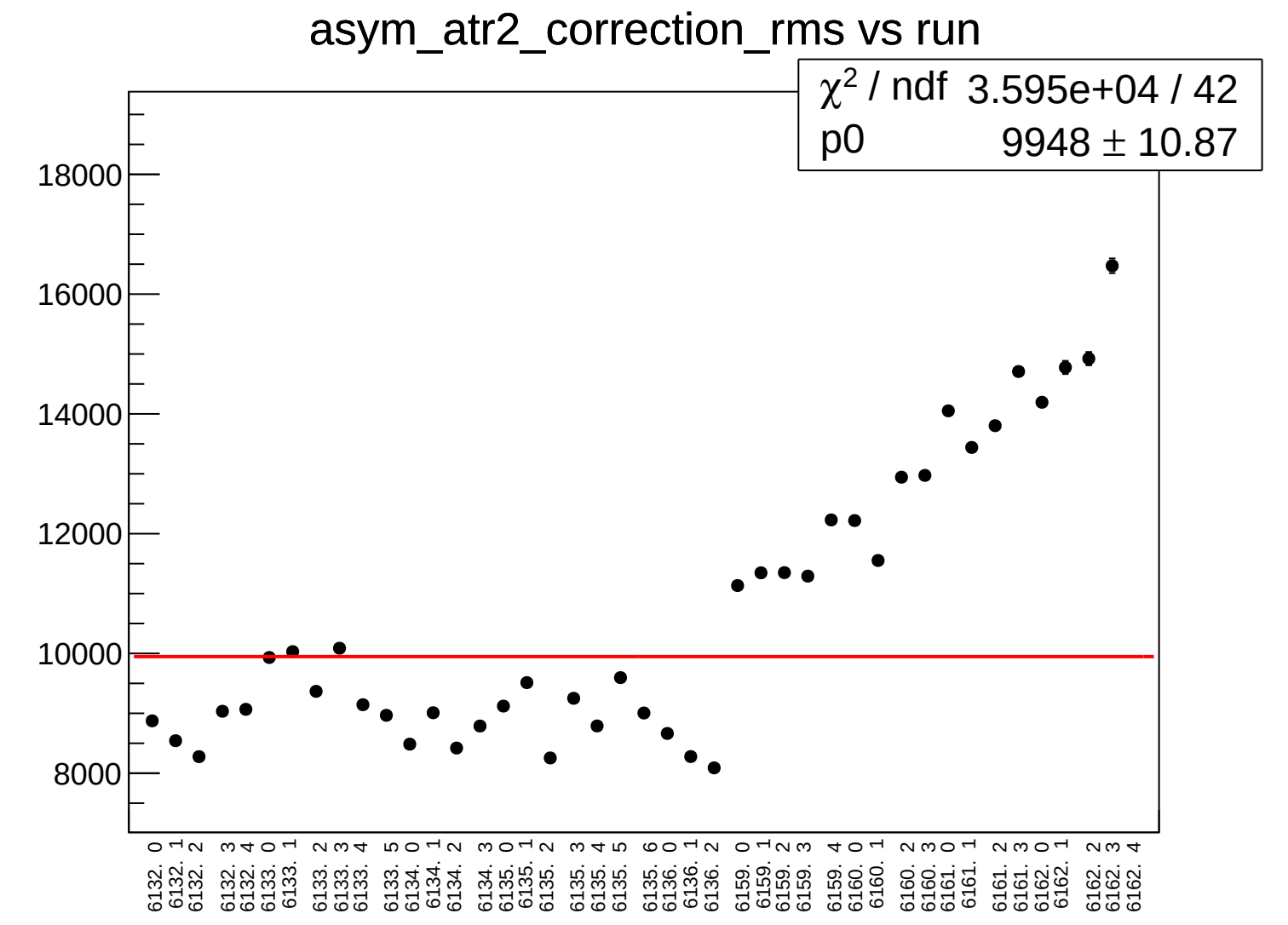

dit_asym_atr2_mean vs run
χ² / ndf 32.63 / 42
p0 −3525 ± 3939
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 75.58
Std Dev 51.71
2
1.5
1
0.5
0
−0.5
−1
−1.5

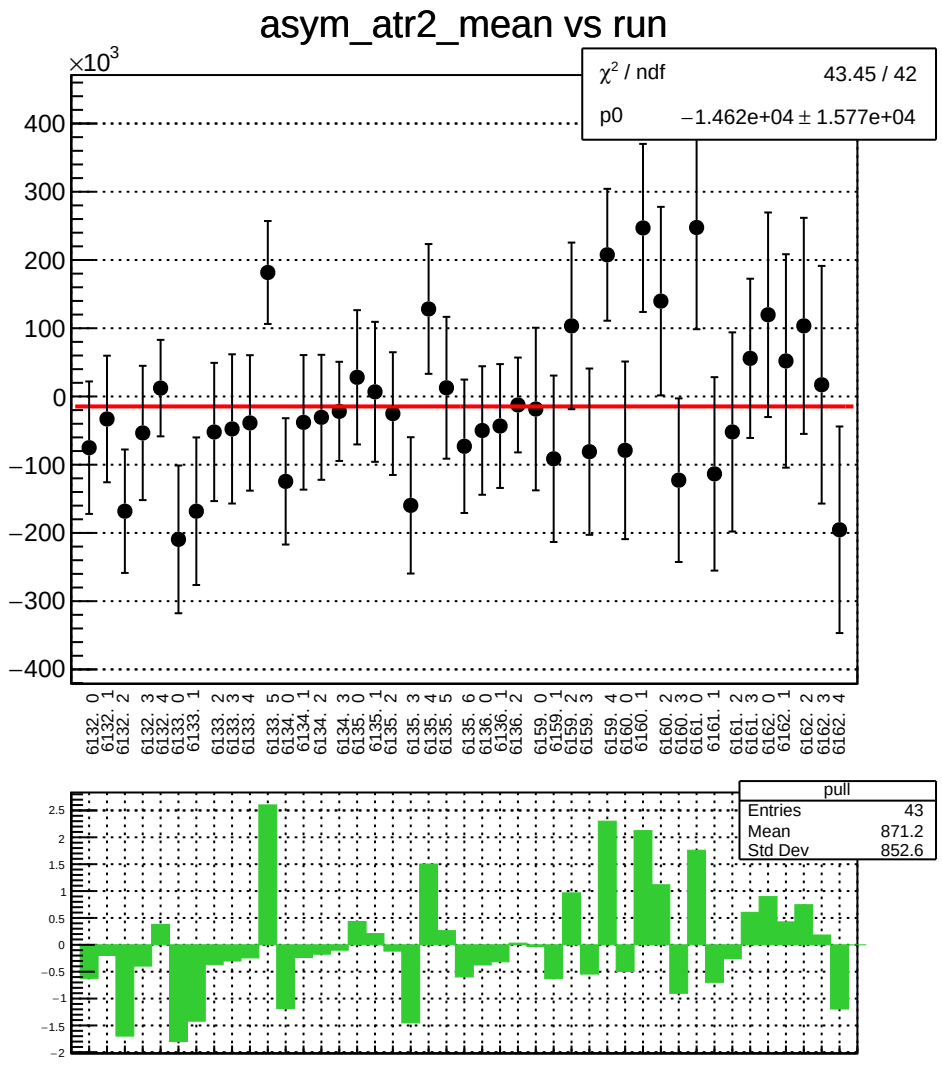

pull1D
Entries 43
Mean −0.02193
Std Dev 0.8709
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

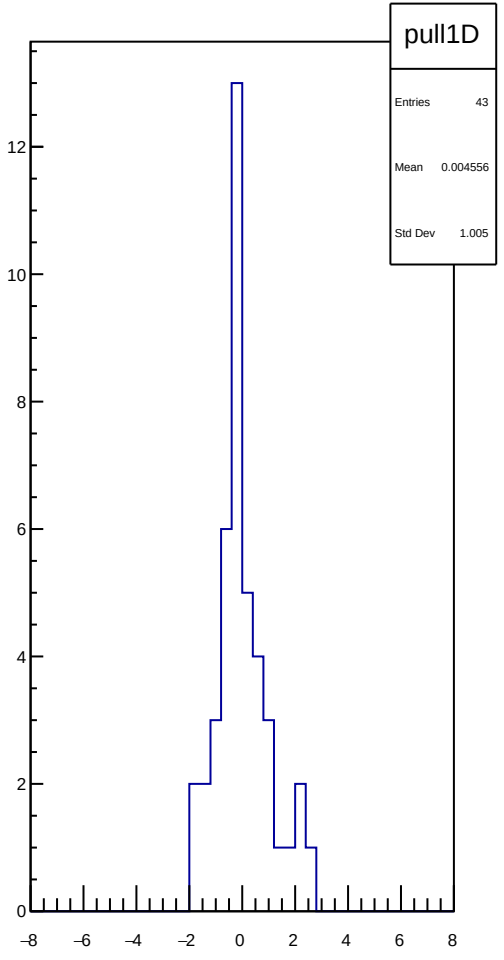

dit_asym_atr2_rms vs run
χ² / ndf 101.2 / 42
p0 2602 ± 2.785
2680
2660
2640
2620
2600
2580
2560
2540
2520
2500
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

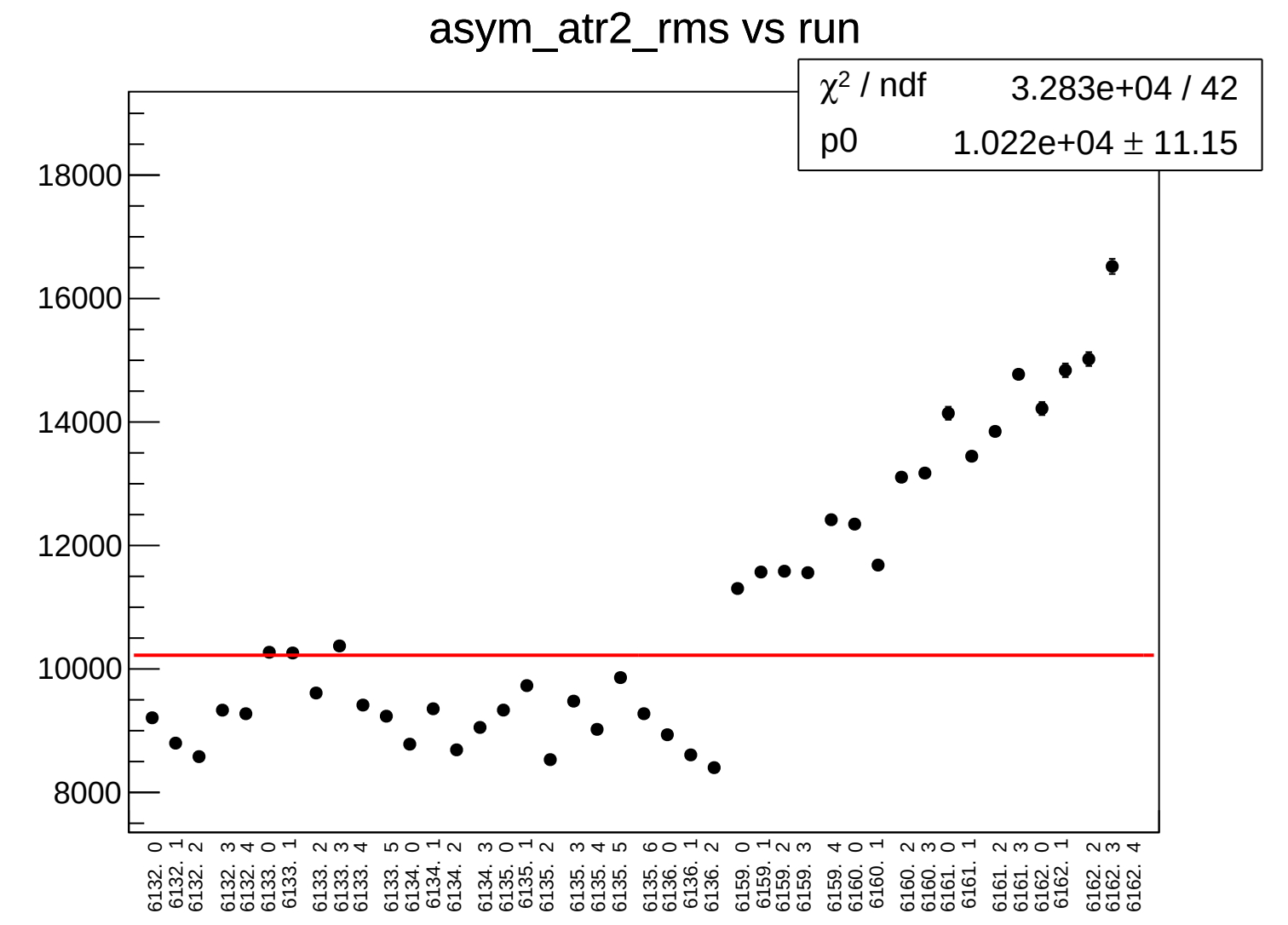

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 40.34 / 42
p0 1.234e+04 ± 1.538e+04
pull
Entries 43
Mean 278.9
Std Dev 259.8

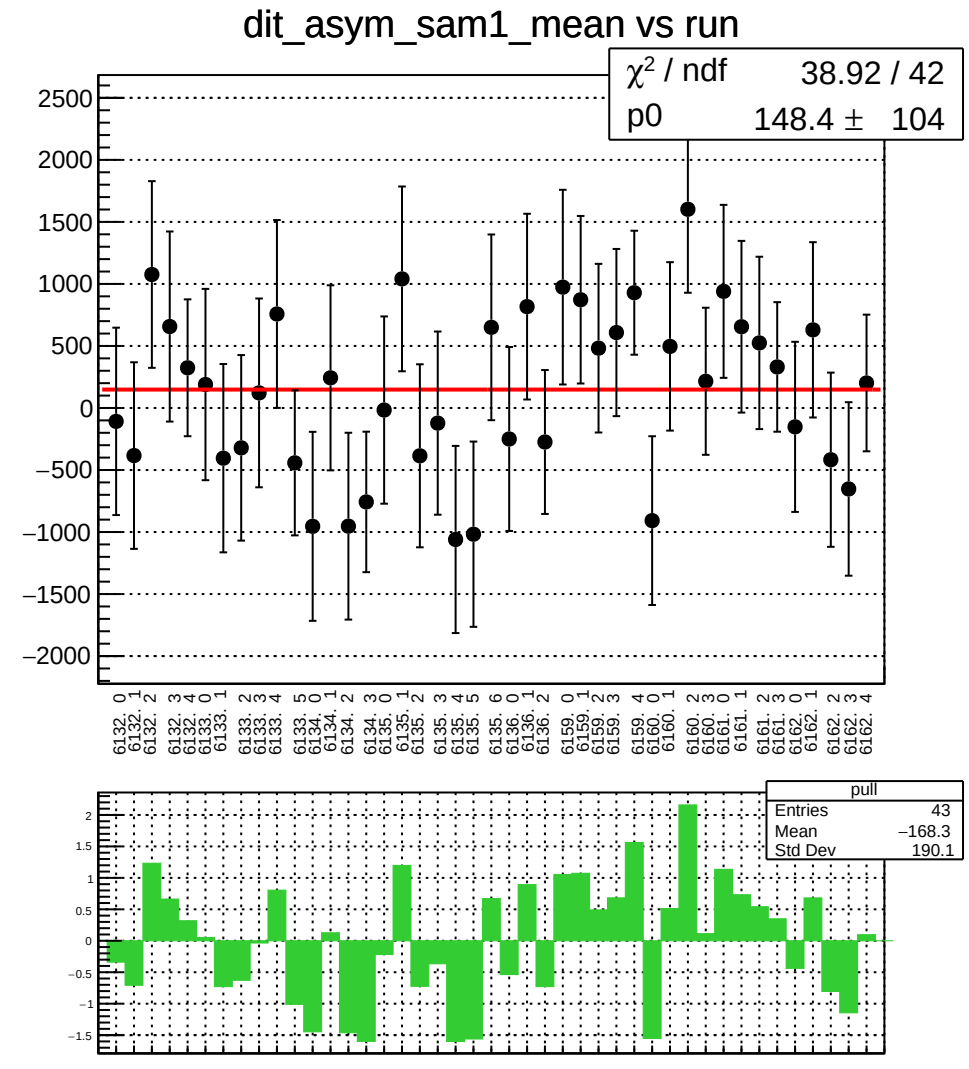

pull1D
Entries 43
Mean −0.01648
Std Dev 0.9685

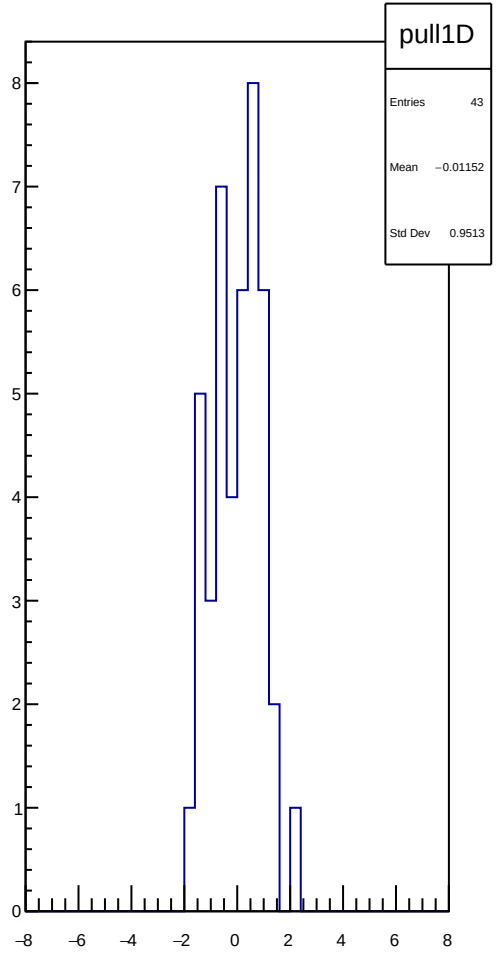

asym_atr2_correction_rms vs run
χ² / ndf 3.595e+04 / 42
p0 9948 ± 10.87
18000
16000
14000
12000
10000
8000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

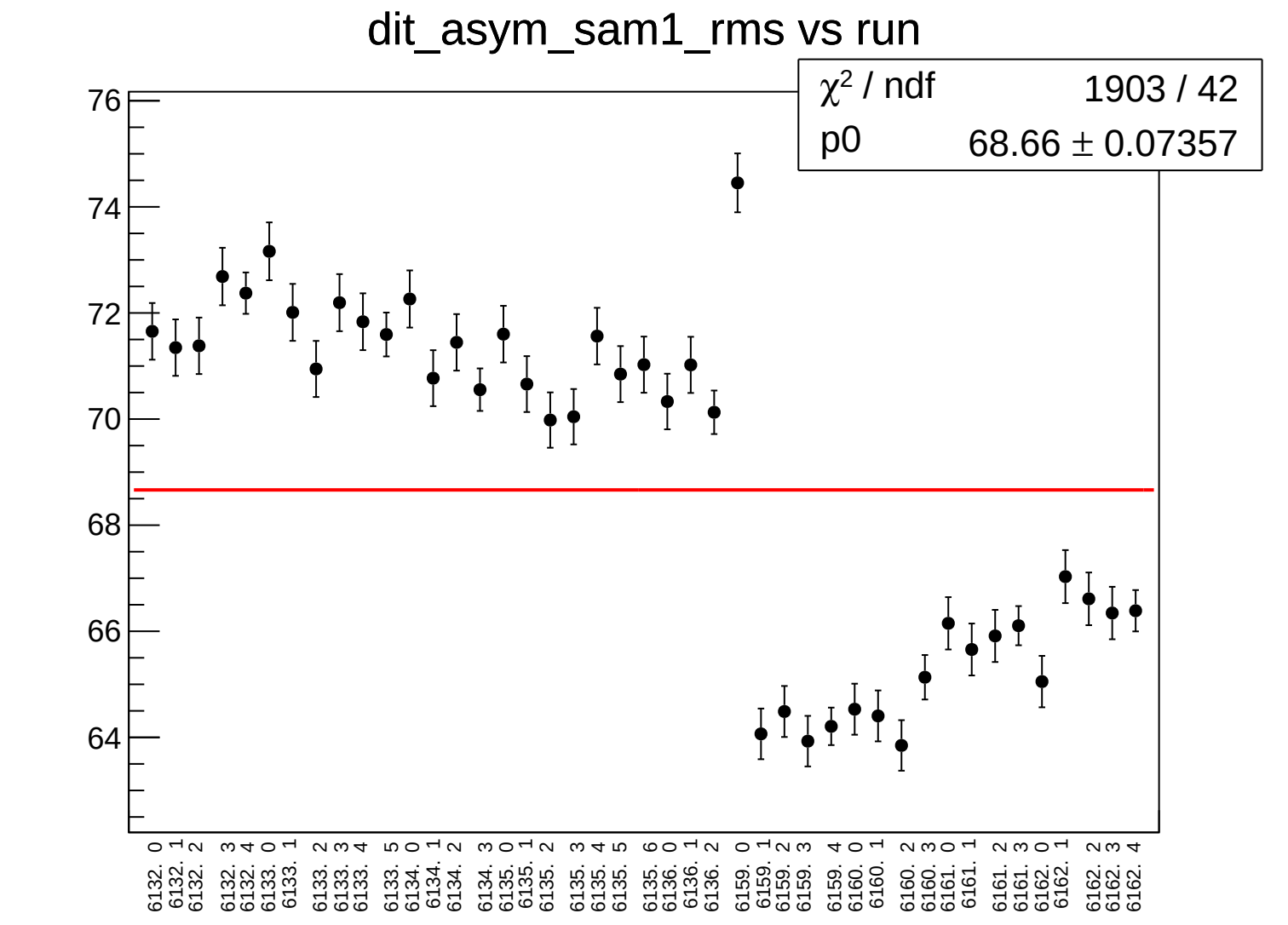

asym_atr2_mean vs run
×10^3
χ² / ndf 43.45 / 42
p0 −1.462e+04 ± 1.577e+04
400
300
200
100
0
−100
−200
−300
−400
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 871.2
Std Dev 852.6
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

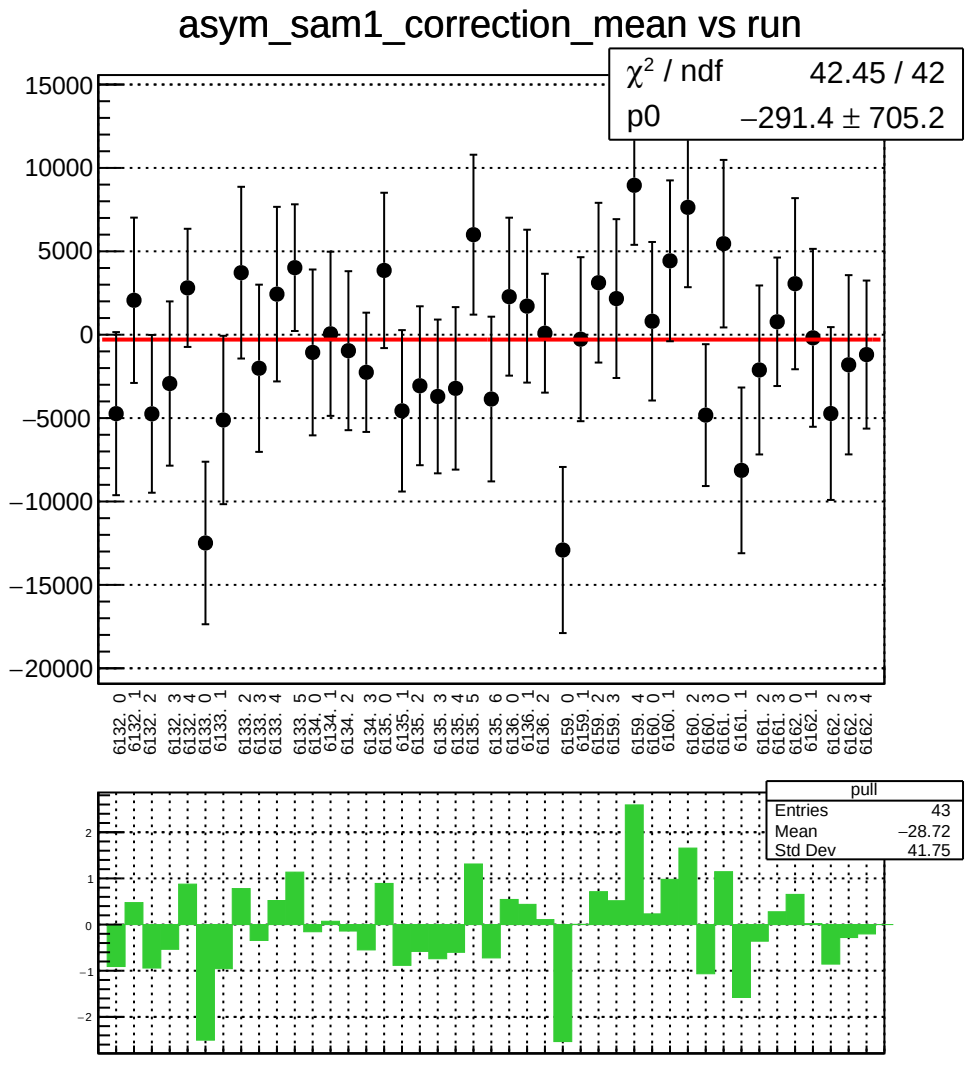

pull1D
Entries 43
Mean 0.004556
Std Dev 1.005
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

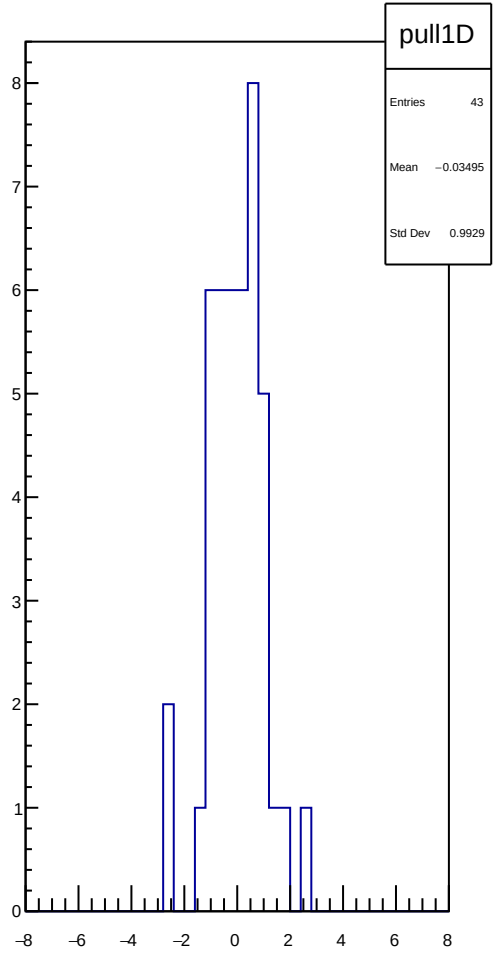

asym_atr2_rms vs run
χ² / ndf 3.283e+04 / 42
p0 1.022e+04 ± 11.15
18000
16000
14000
12000
10000
8000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

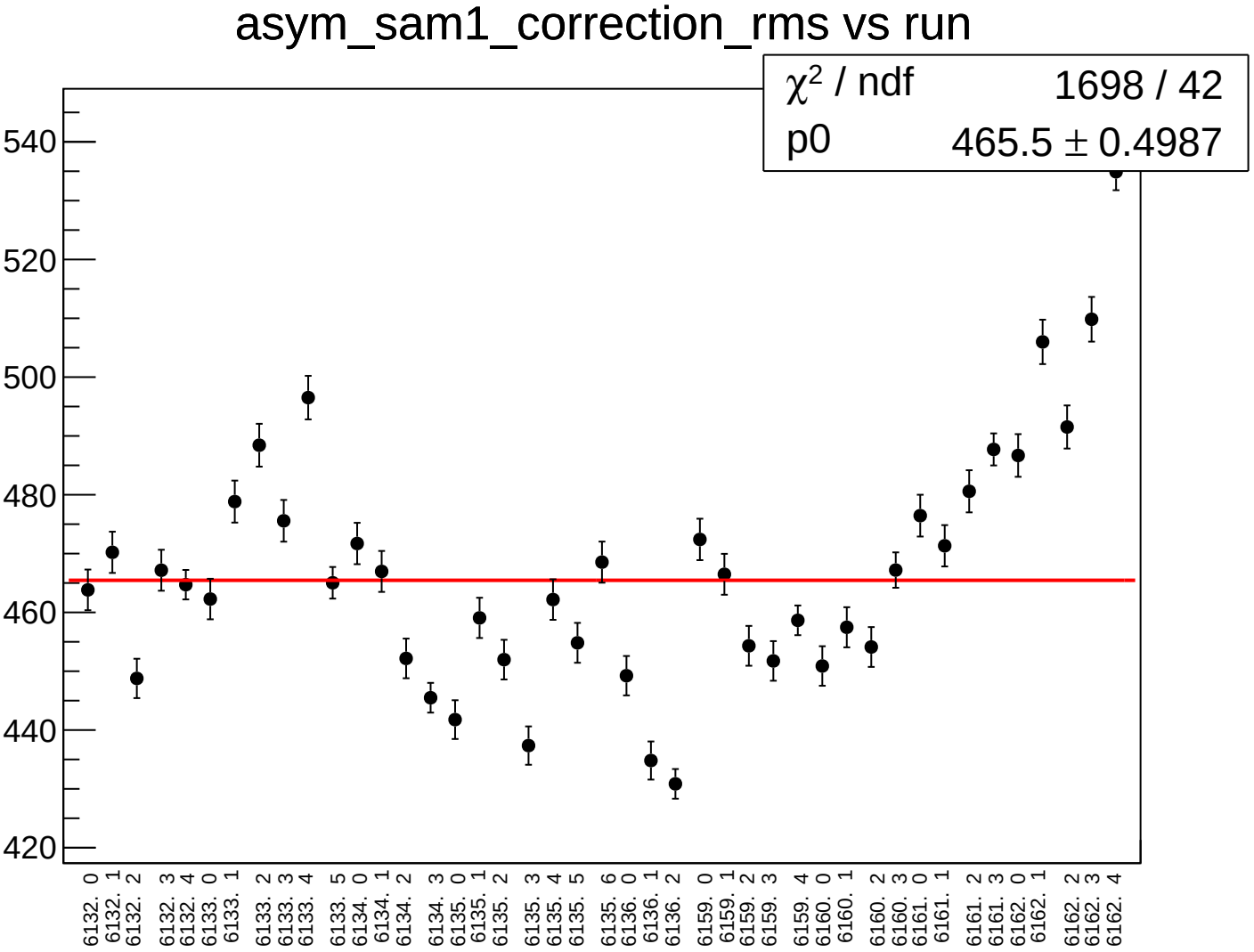

dit_asym_sam1_mean vs run
χ² / ndf 38.92 / 42
p0 148.4 ± 104
2500
2000
1500
1000
500
0
−500
−1000
−1500
−2000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −168.3
Std Dev 190.1
2
1.5
1
0.5
0
−0.5
−1
−1.5

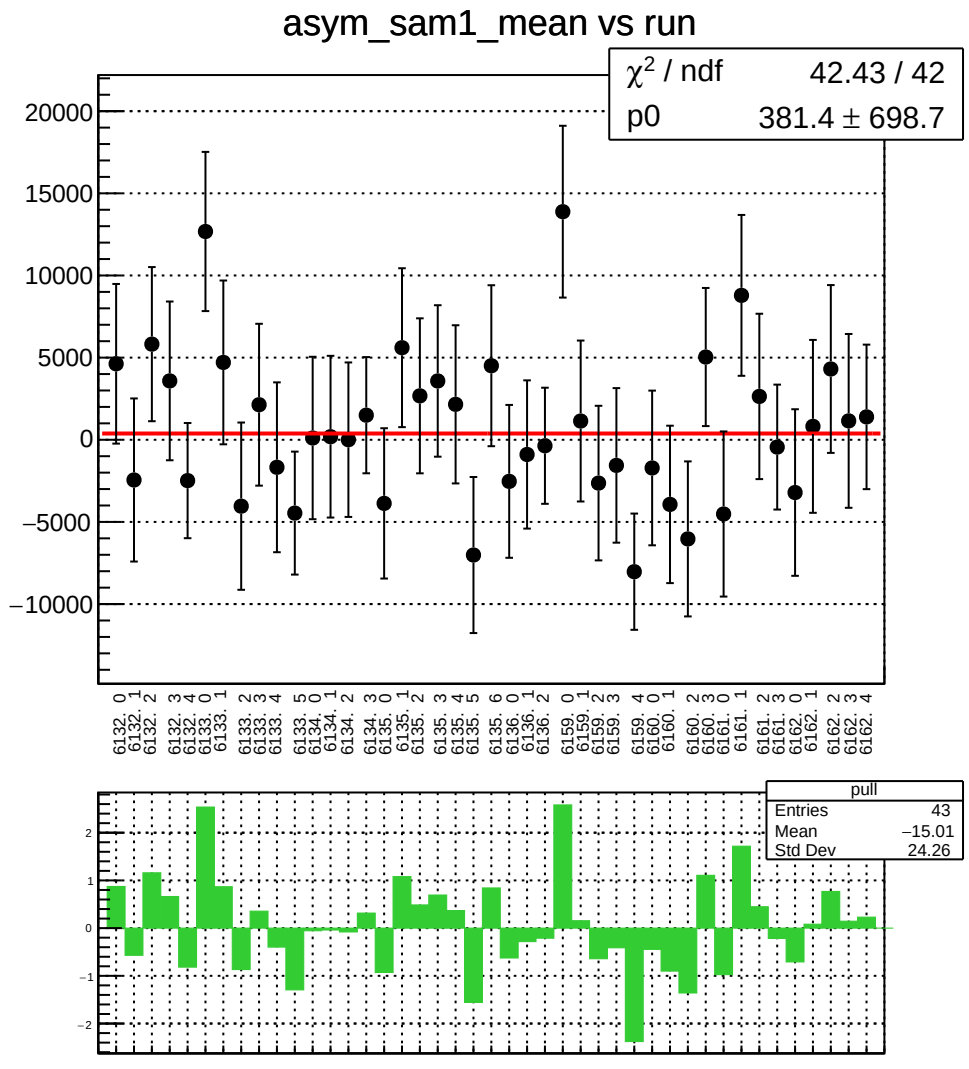

pull1D
Entries 43
Mean −0.01152
Std Dev 0.9513
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

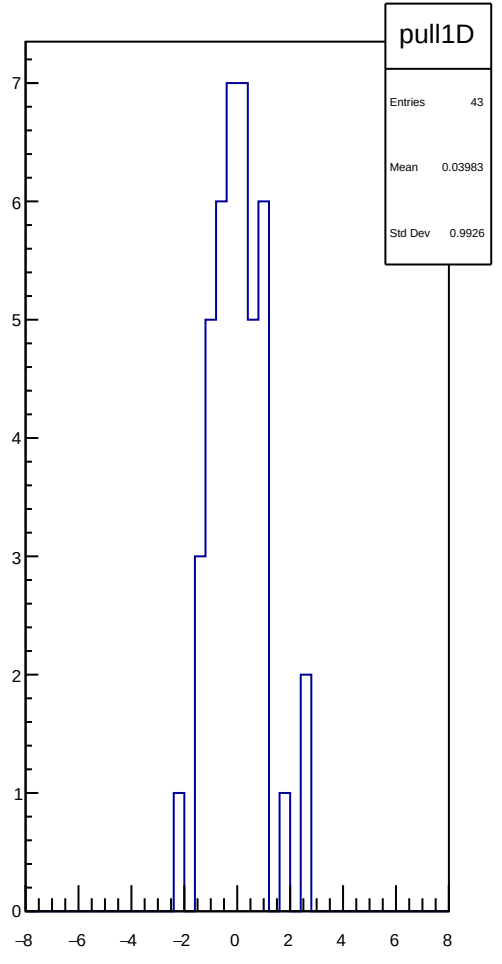

dit_asym_sam1_rms vs run
χ² / ndf 1903 / 42
p0 68.66 ± 0.07357
76
74
72
70
68
66
64
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

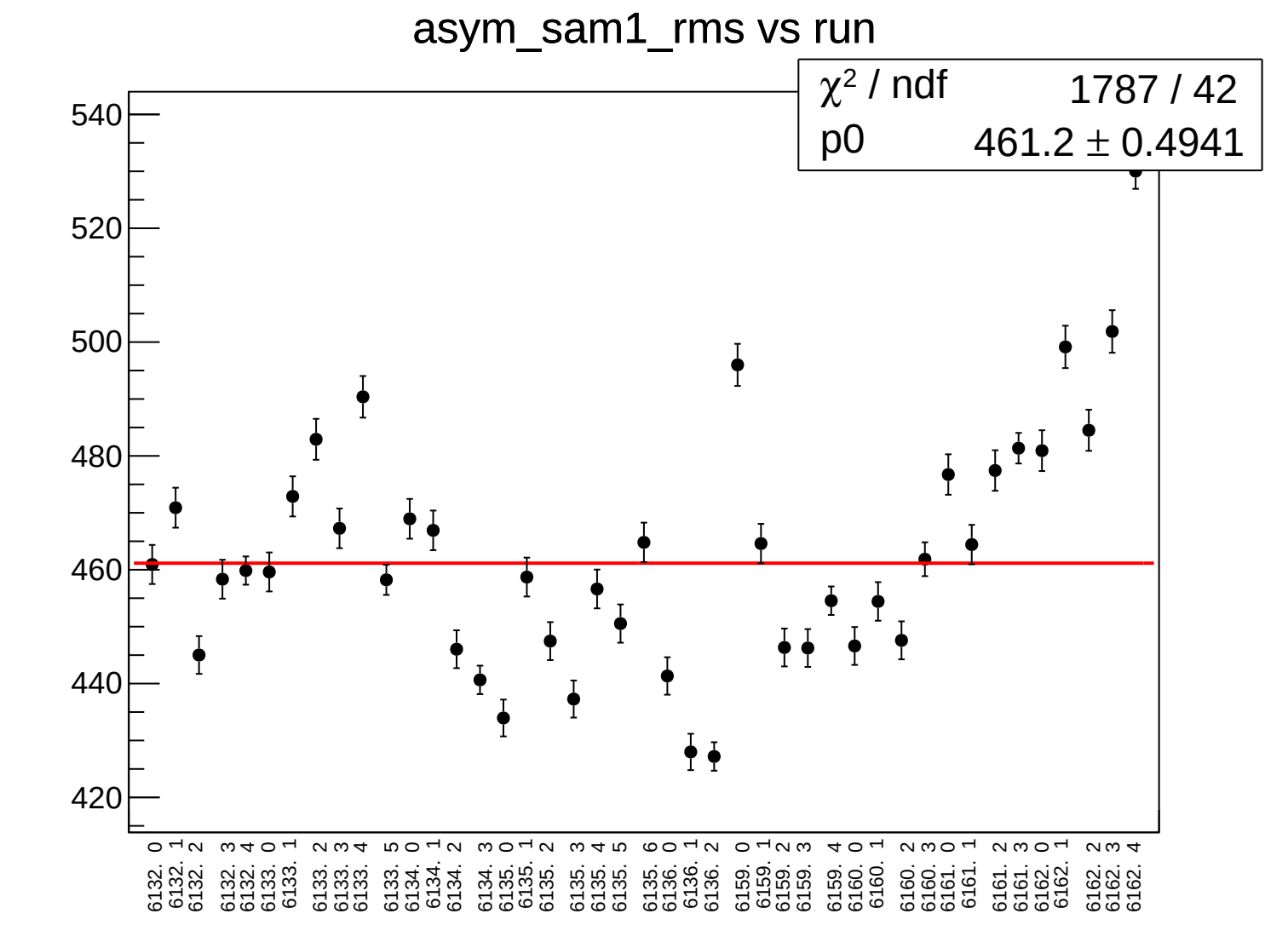

asym_sam1_correction_mean vs run
χ² / ndf 42.45 / 42
p0 −291.4 ± 705.2
15000
10000
5000
0
−5000
−10000
−15000
−20000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −28.72
Std Dev 41.75
2
1
0
−1
−2

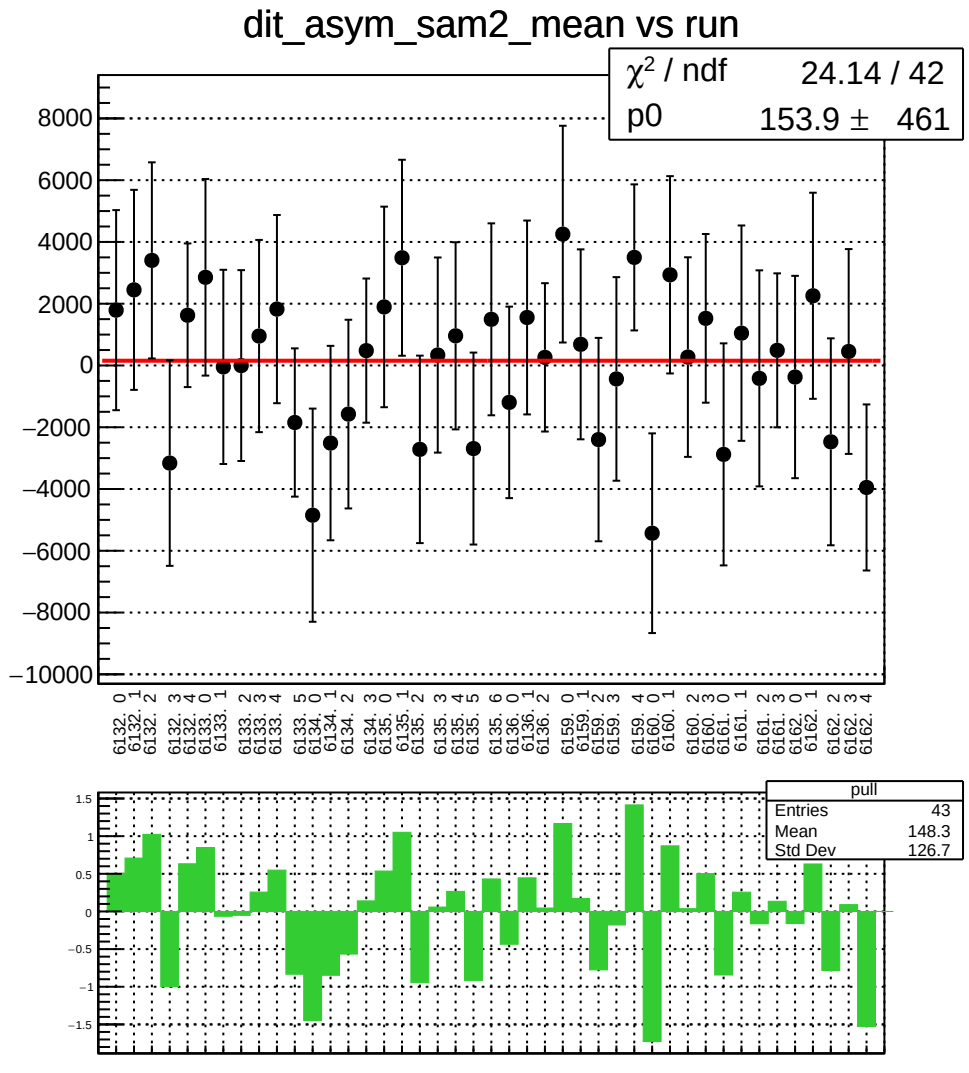

pull1D
Entries 43
Mean −0.03495
Std Dev 0.9929
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

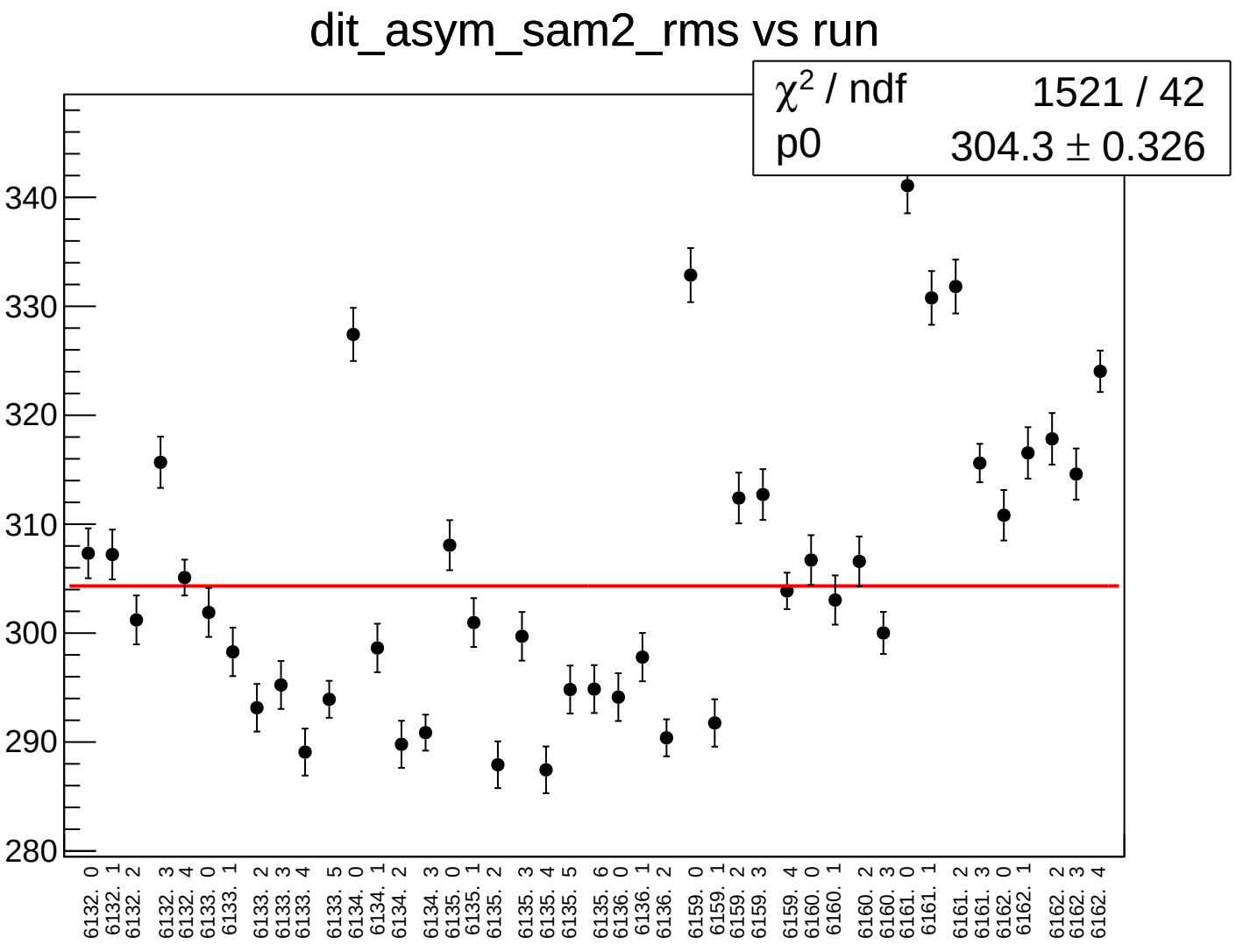

asym_sam1_correction_rms vs run
χ^2 / ndf 1698 / 42
p0 465.5 ± 0.4987
540
520
500
480
460
440
420
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

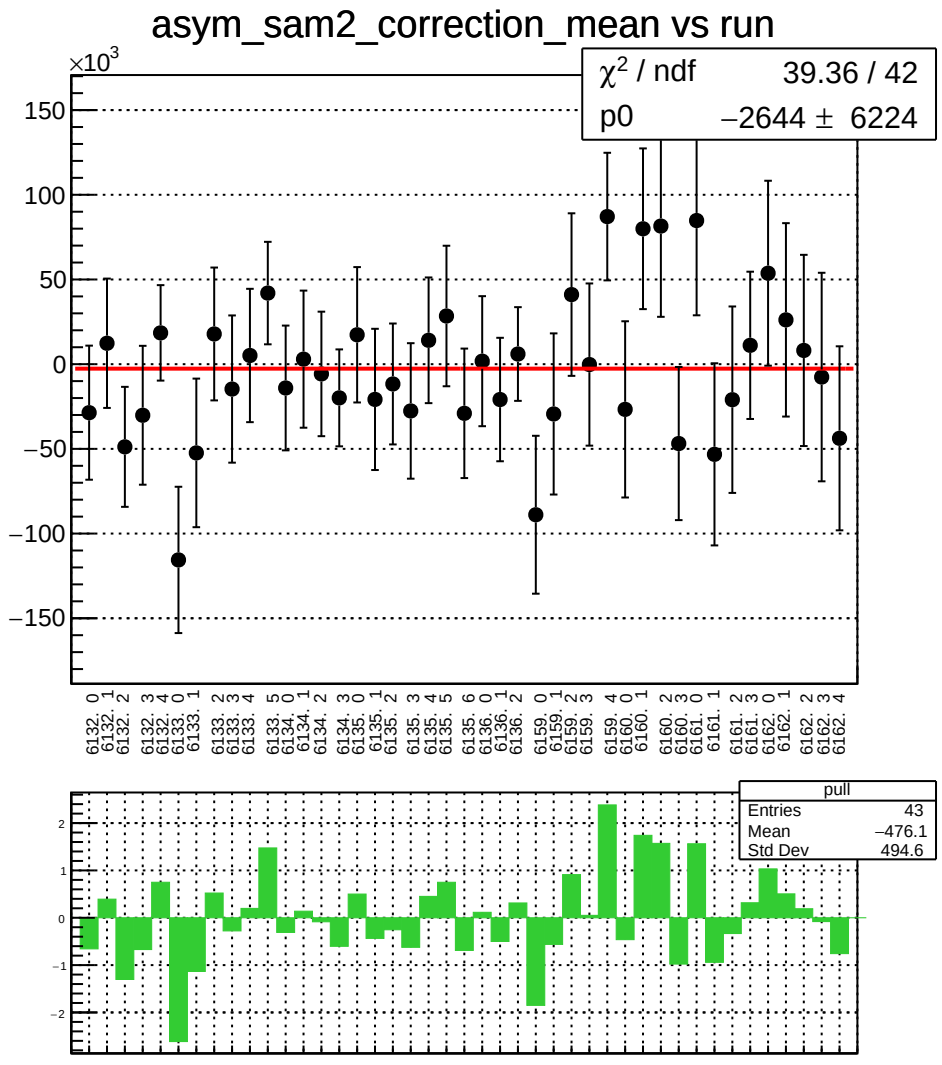

asym_sam1_mean vs run
χ² / ndf 42.43 / 42
p0 381.4 ± 698.7
20000
15000
10000
5000
0
−5000
−10000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −15.01
Std Dev 24.26
2
1
0
−1
−2

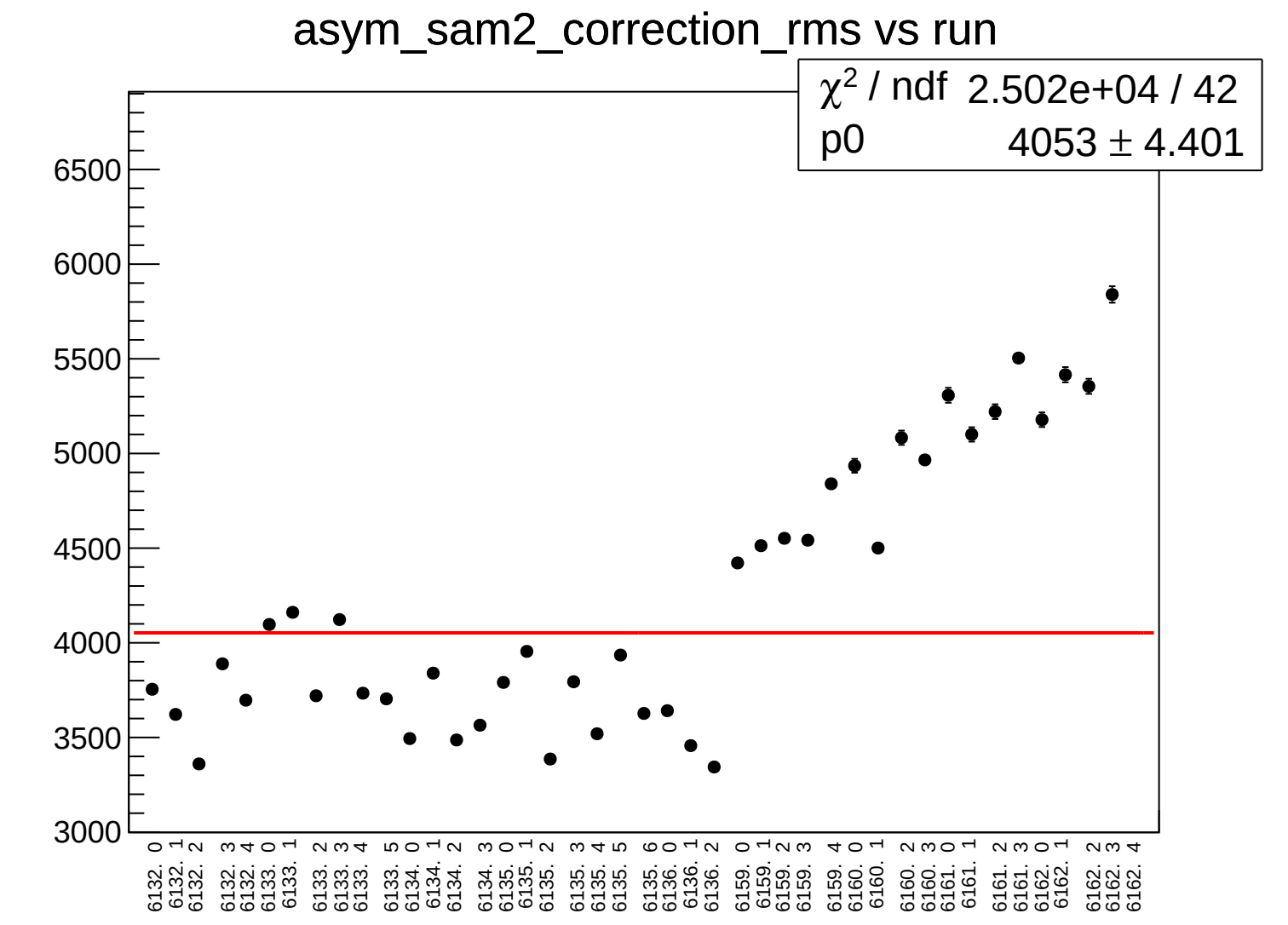

pull1D
Entries 43
Mean 0.03983
Std Dev 0.9926
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

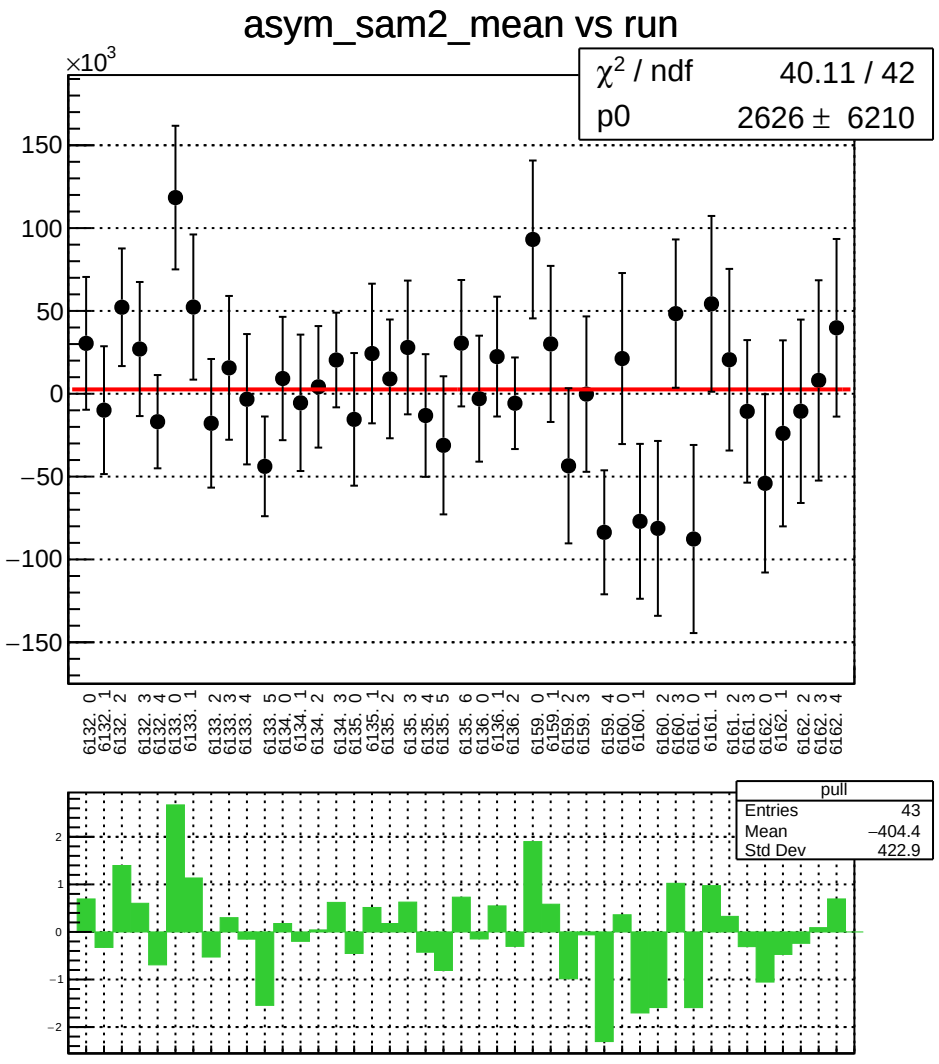

asym_sam1_rms vs run
χ² / ndf 1787 / 42
p0 461.2 ± 0.4941
540
520
500
480
460
440
420
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

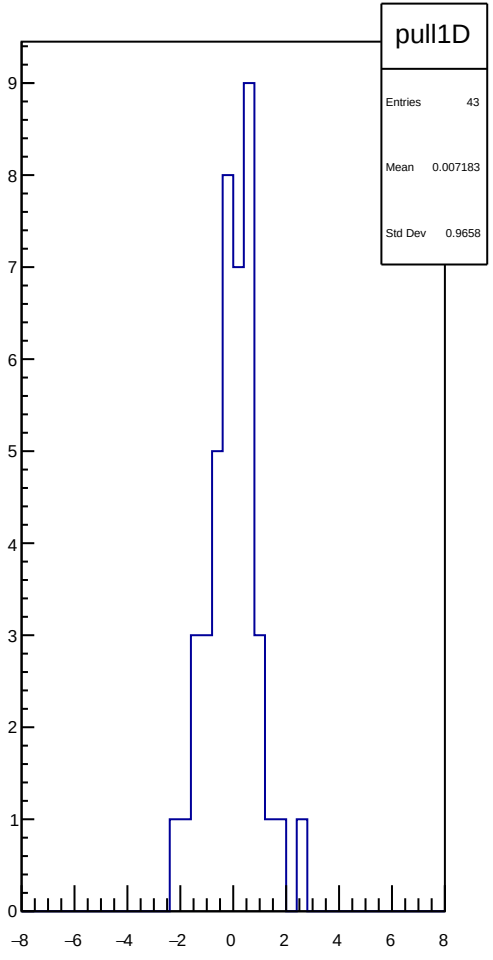

dit_asym_sam2_mean vs run
χ² / ndf 24.14 / 42
p0 153.9 ± 461
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 148.3
Std Dev 126.7
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.0113
Std Dev 0.7492
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

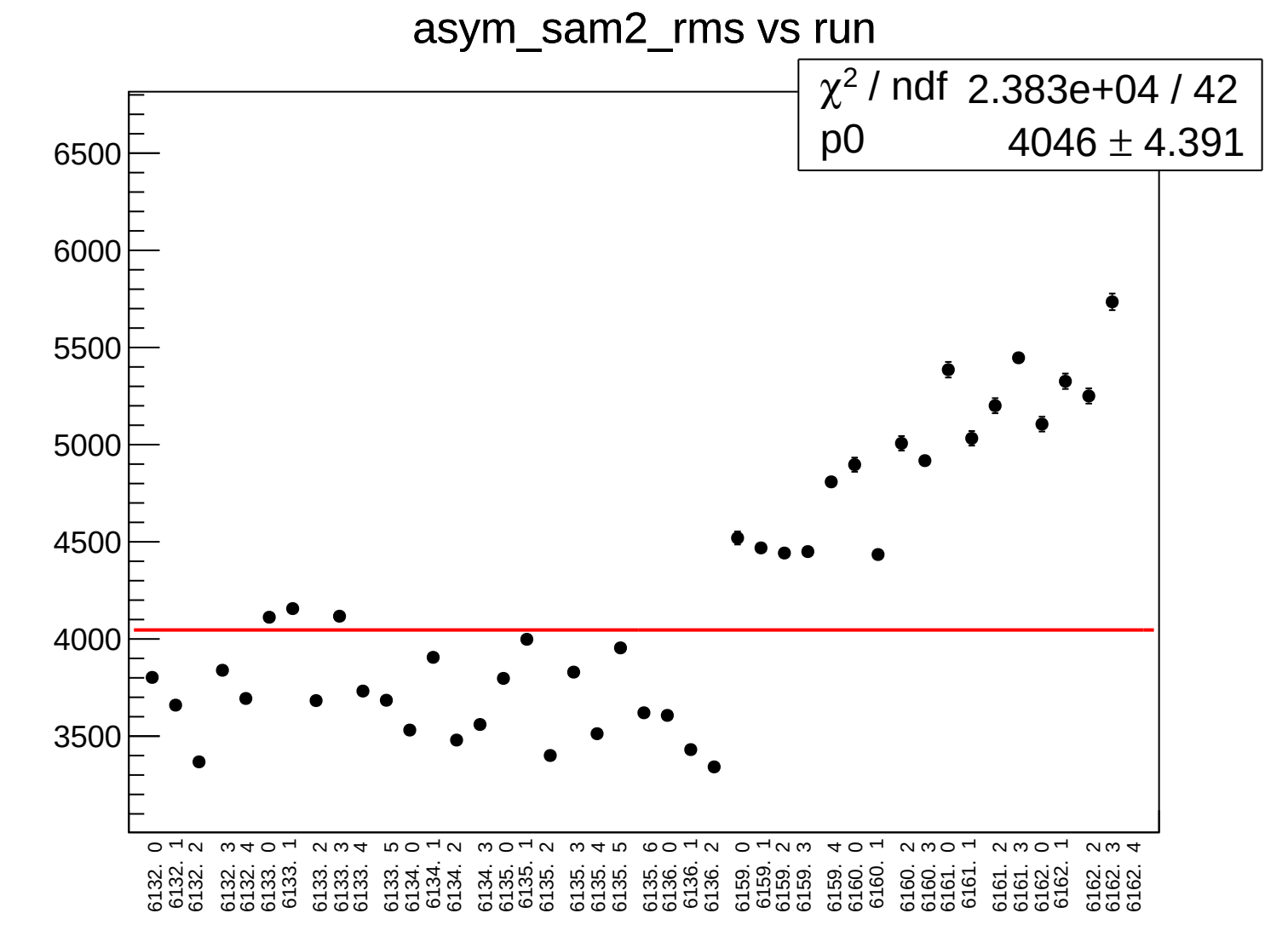

dit_asym_sam2_rms vs run
χ^2 / ndf 1521 / 42
p0 304.3 ± 0.326
340
330
320
310
300
290
280
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

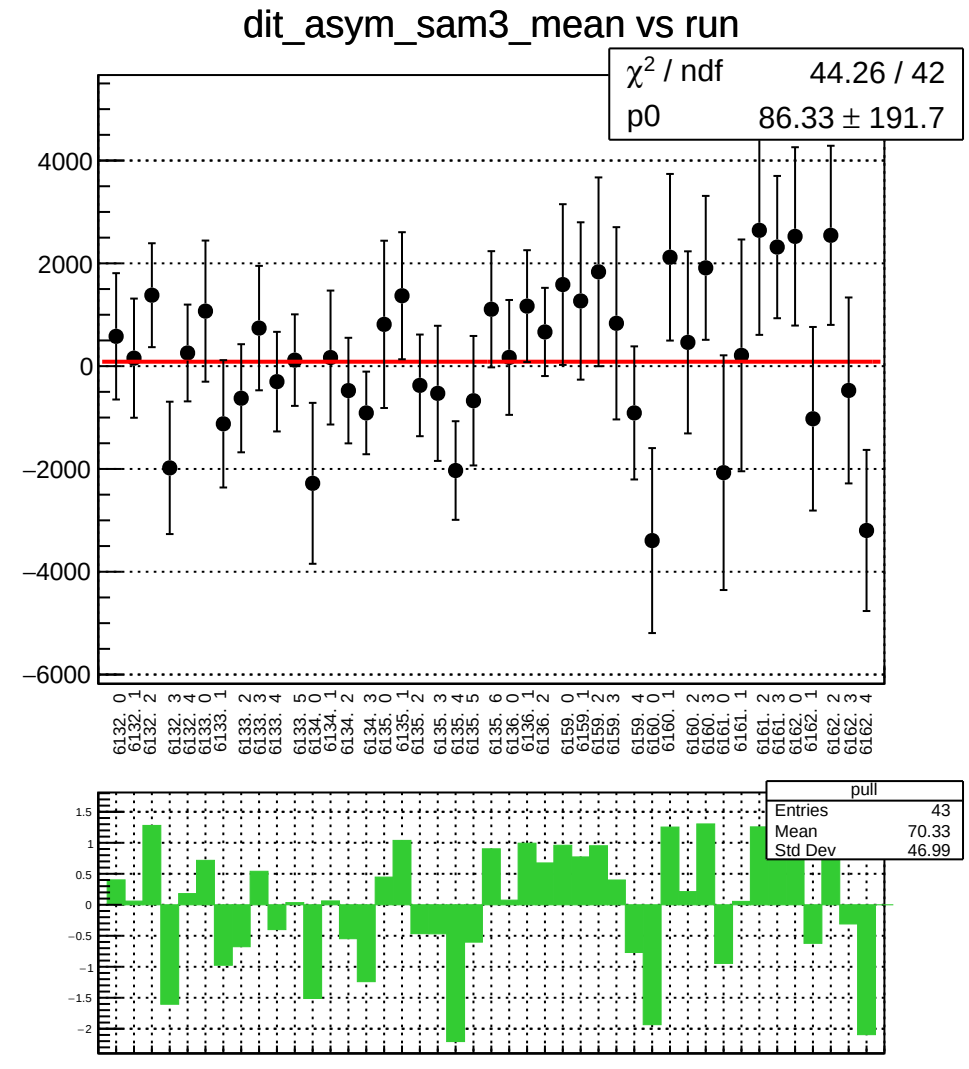

asym_sam2_correction_mean vs run
×10^3
χ² / ndf 39.36 / 42
p0 −2644 ± 6224
150
100
50
0
−50
−100
−150
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −476.1
Std Dev 494.6
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.005946
Std Dev 0.9568
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

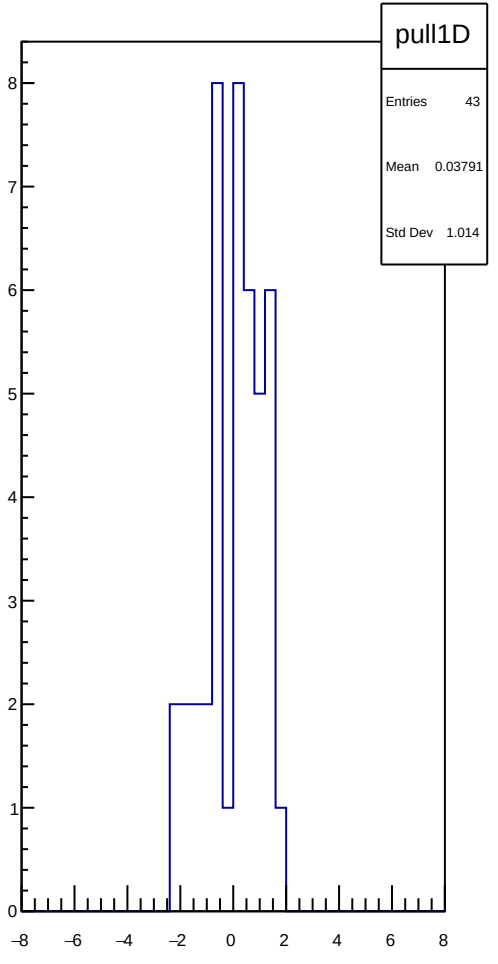

asym_sam2_correction_rms vs run
χ² / ndf 2.502e+04 / 42
p0 4053 ± 4.401
6500
6000
5500
5000
4500
4000
3500
3000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

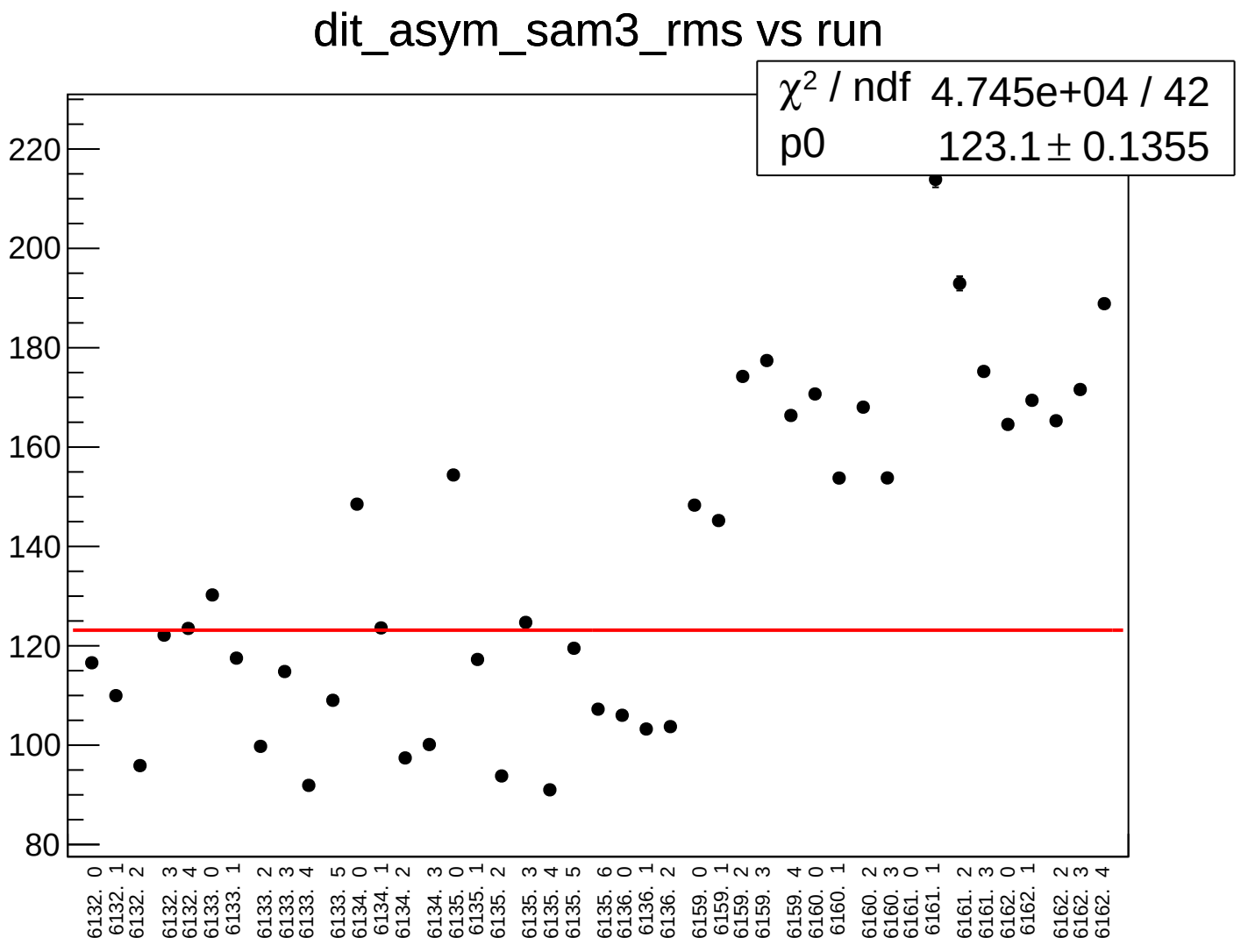

asym_sam2_mean vs run
×10^3
χ^2 / ndf 40.11 / 42
p0 2626 ± 6210
150
100
50
0
−50
−100
−150
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −404.4
Std Dev 422.9
2
1
0
−1
−2

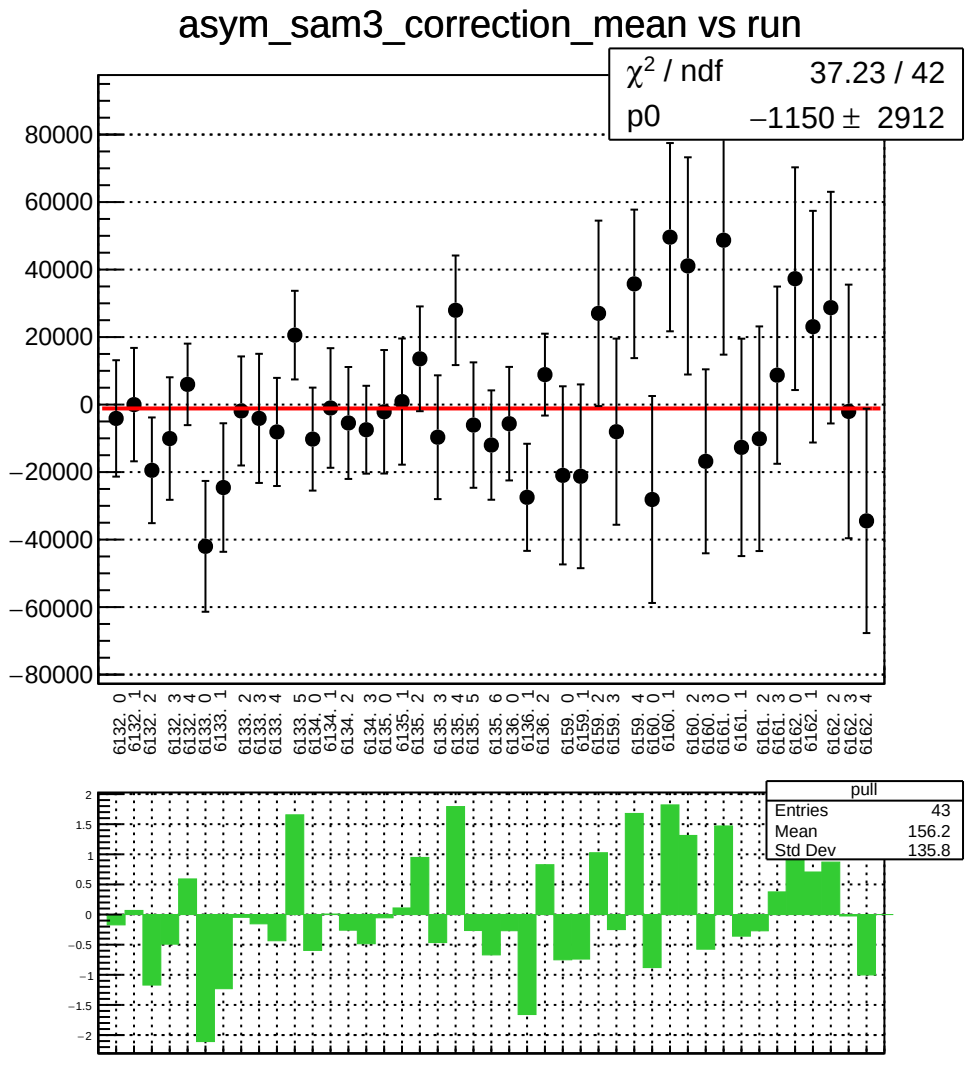

pull1D
Entries 43
Mean 0.007183
Std Dev 0.9658
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

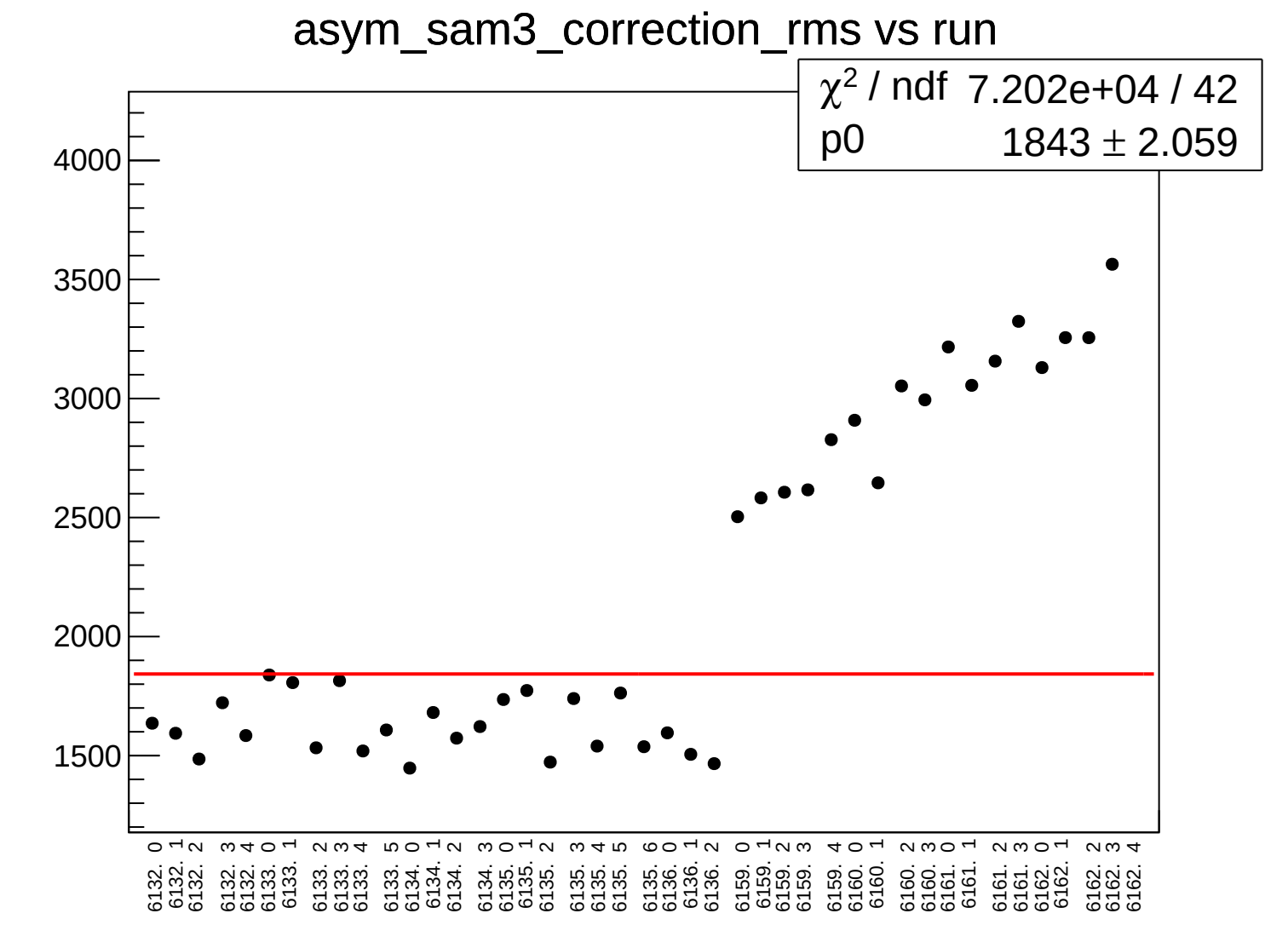

asym_sam2_rms vs run
χ² / ndf 2.383e+04 / 42
p0 4046 ± 4.391
6500
6000
5500
5000
4500
4000
3500
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

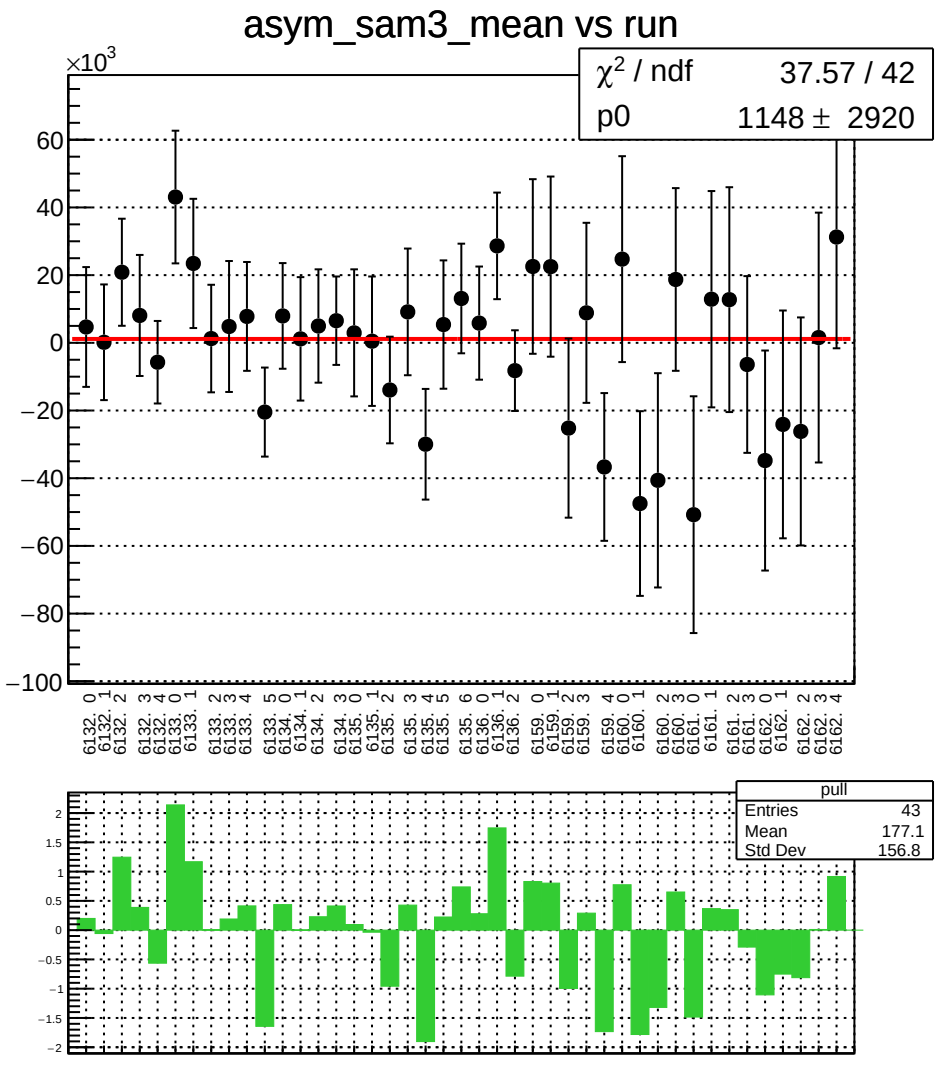

dit_asym_sam3_mean vs run
χ² / ndf 44.26 / 42
p0 86.33 ± 191.7
4000
2000
0
−2000
−4000
−6000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 70.33
Std Dev 46.99
1.5
1
0.5
0
−0.5
−1
−1.5
−2

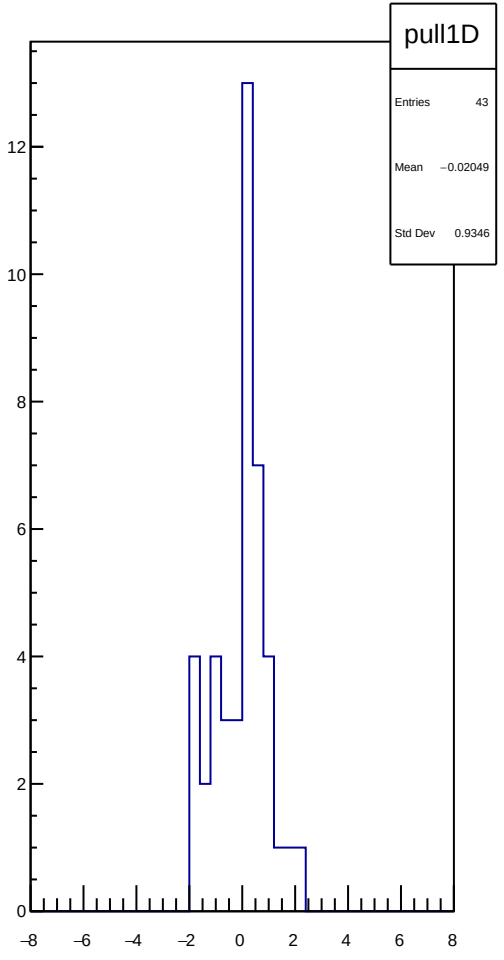

pull1D
Entries 43
Mean 0.03791
Std Dev 1.014
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

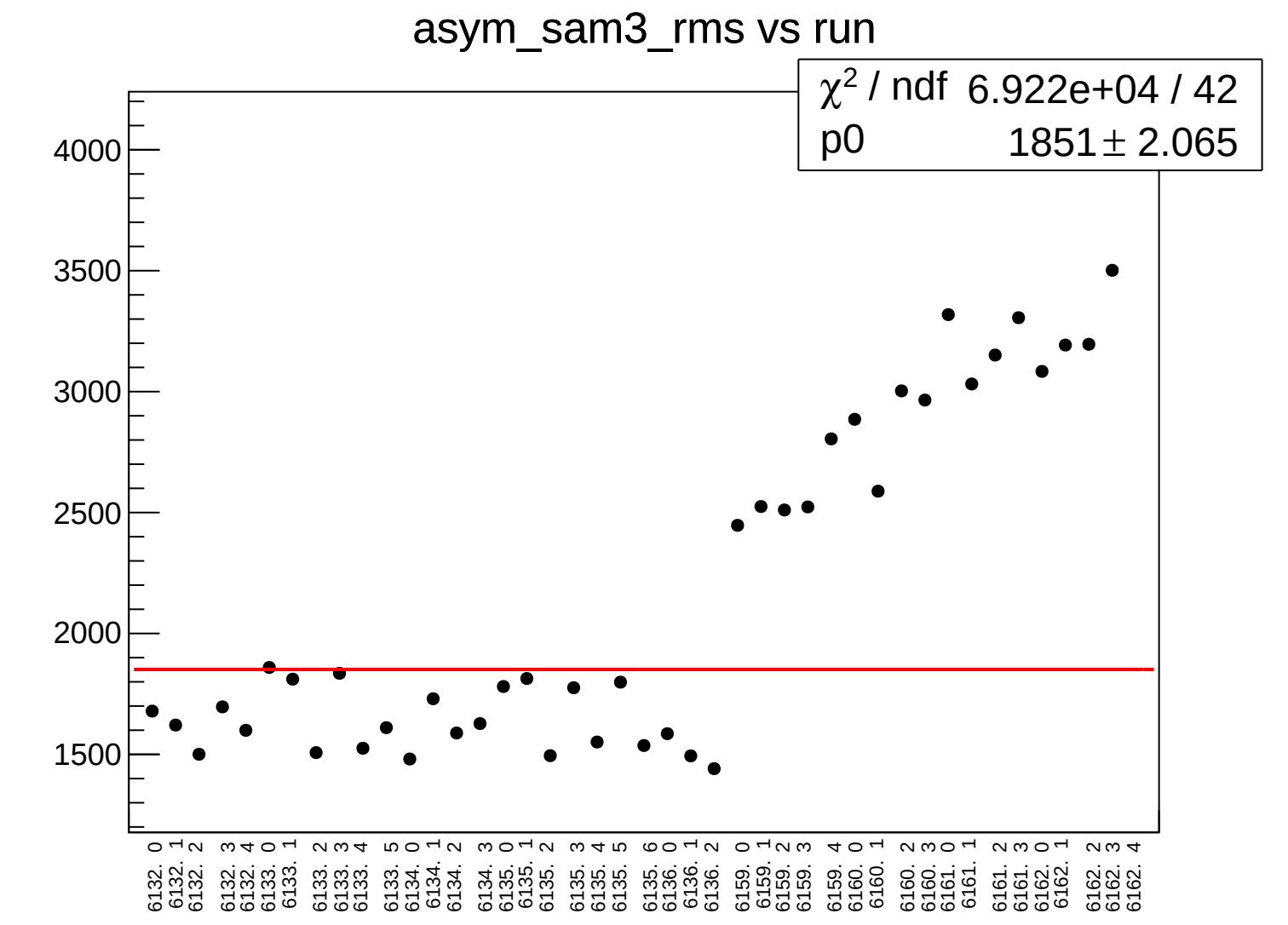

dit_asym_sam3_rms vs run
χ² / ndf 4.745e+04 / 42
p0 123.1 ± 0.1355
220
200
180
160
140
120
100
80
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

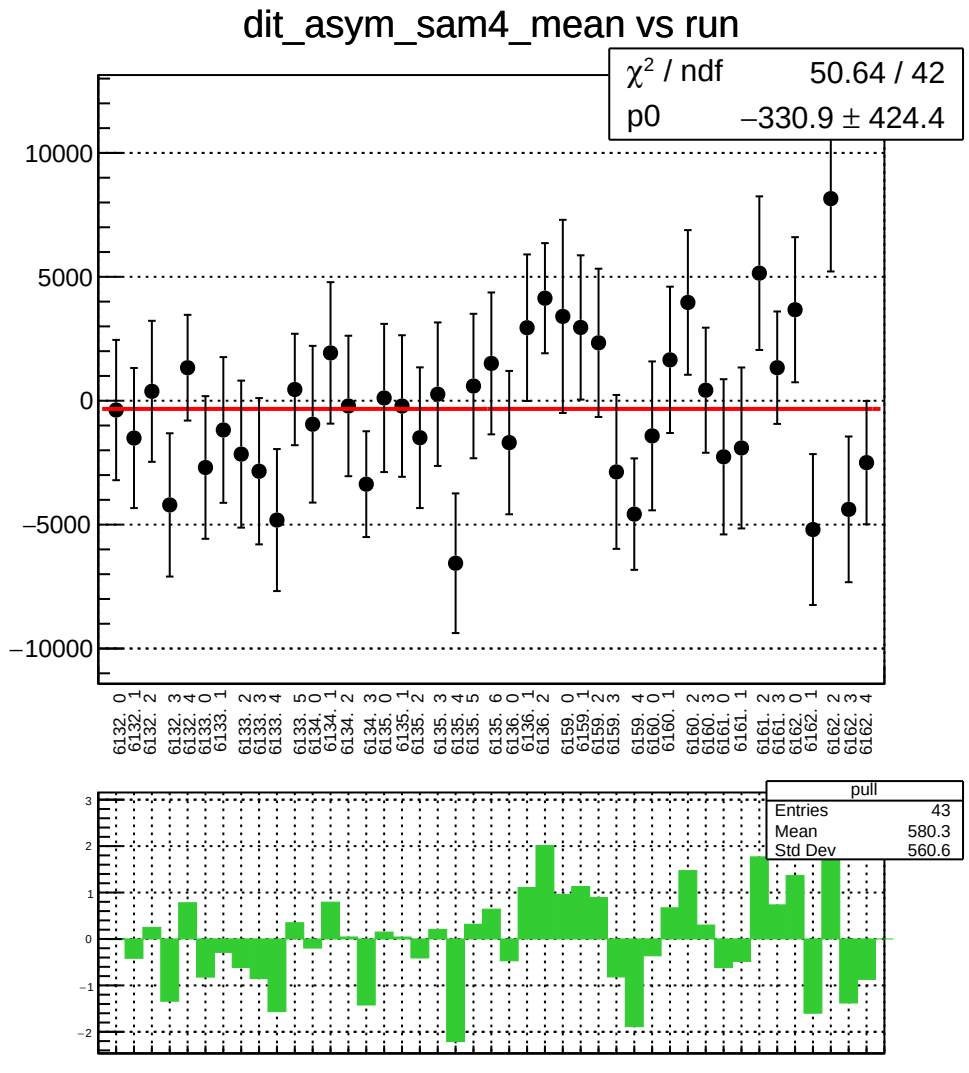

asym_sam3_correction_mean vs run
χ² / ndf 37.23 / 42
p0 −1150 ± 2912
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 156.2
Std Dev 135.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.02452
Std Dev 0.9301
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

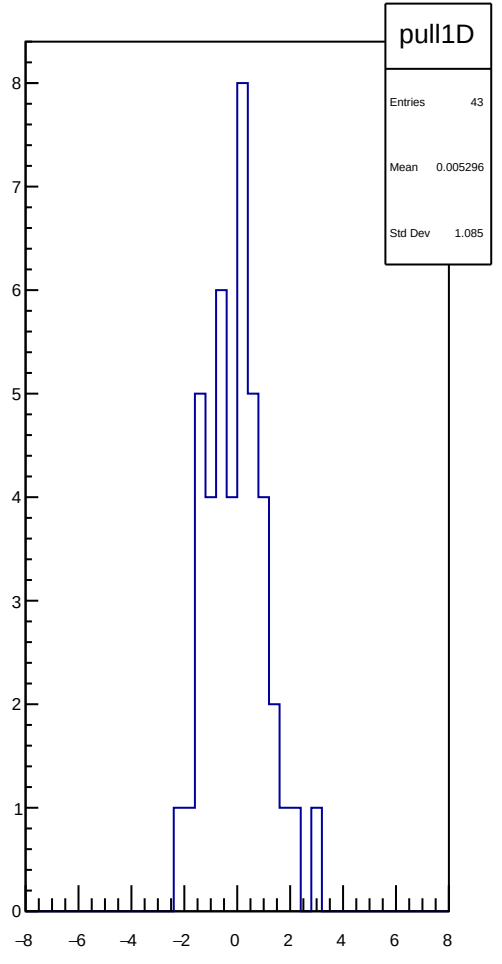

asym_sam3_correction_rms vs run
χ² / ndf 7.202e+04 / 42
p0 1843 ± 2.059
4000
3500
3000
2500
2000
1500
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

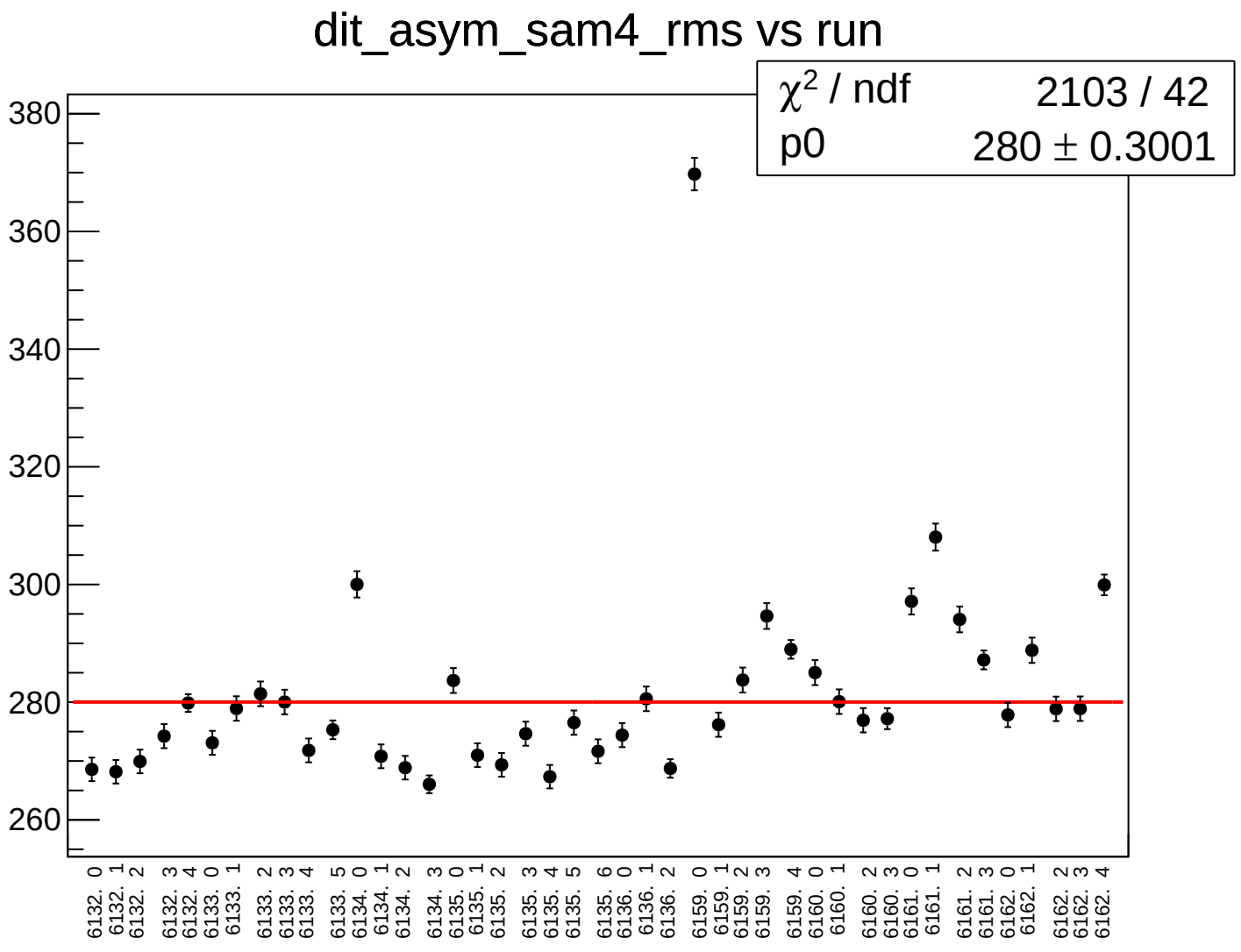

asym_sam3_mean vs run
×10^3
χ² / ndf 37.57 / 42
p0 1148 ± 2920
pull
Entries 43
Mean 177.1
Std Dev 156.8

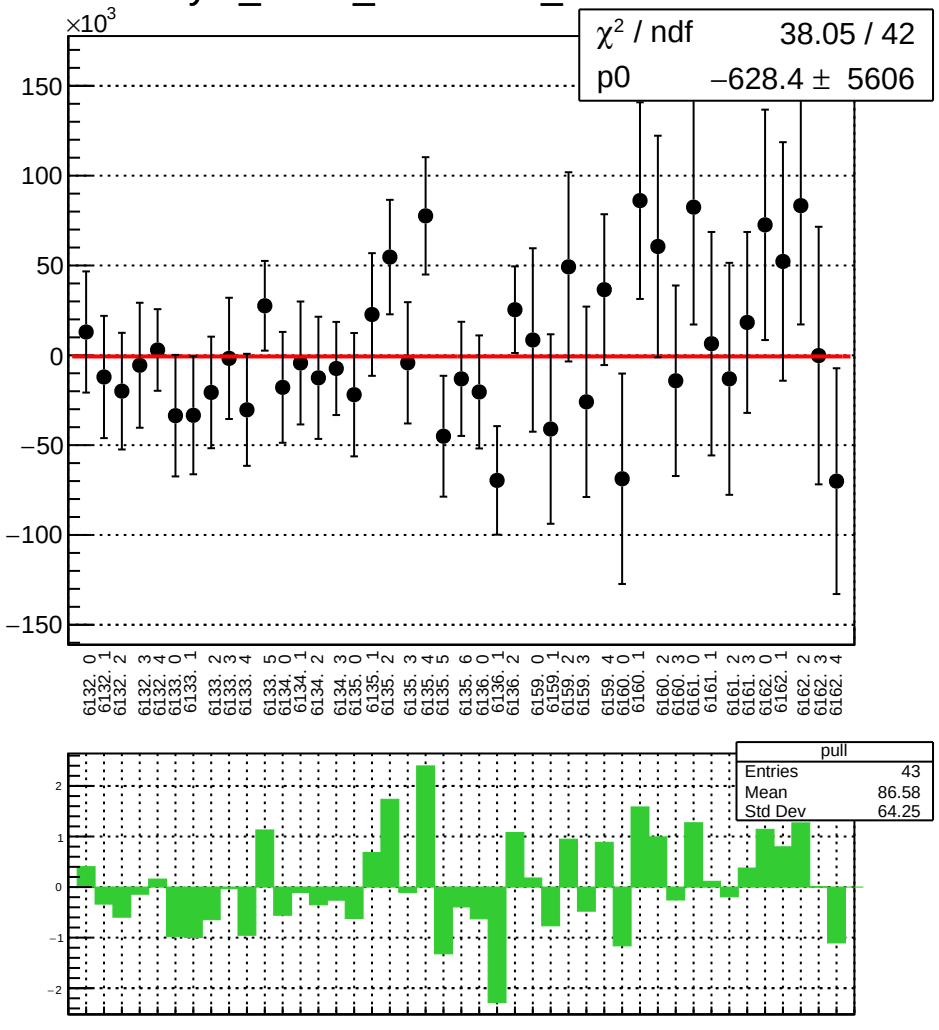

pull1D
Entries 43
Mean −0.02049
Std Dev 0.9346

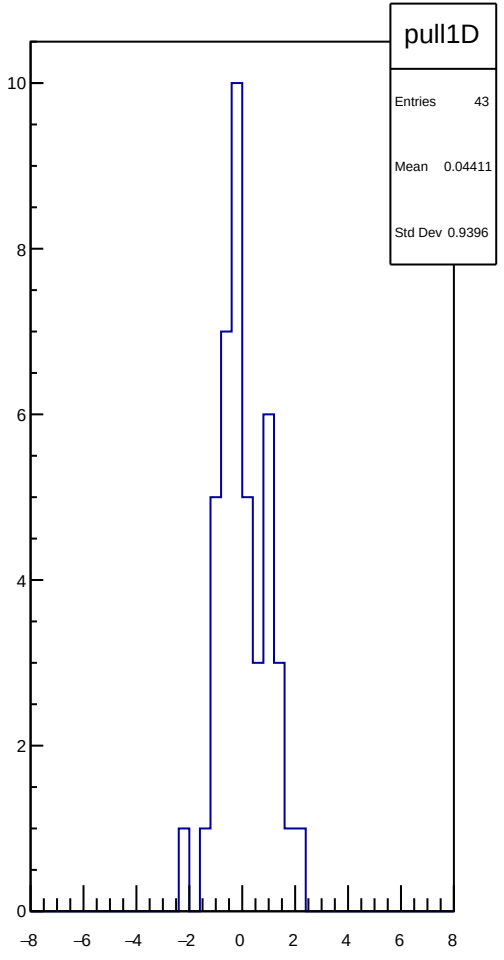

asym_sam3_rms vs run
χ² / ndf 6.922e+04 / 42
p0 1851 ± 2.065
4000
3500
3000
2500
2000
1500
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

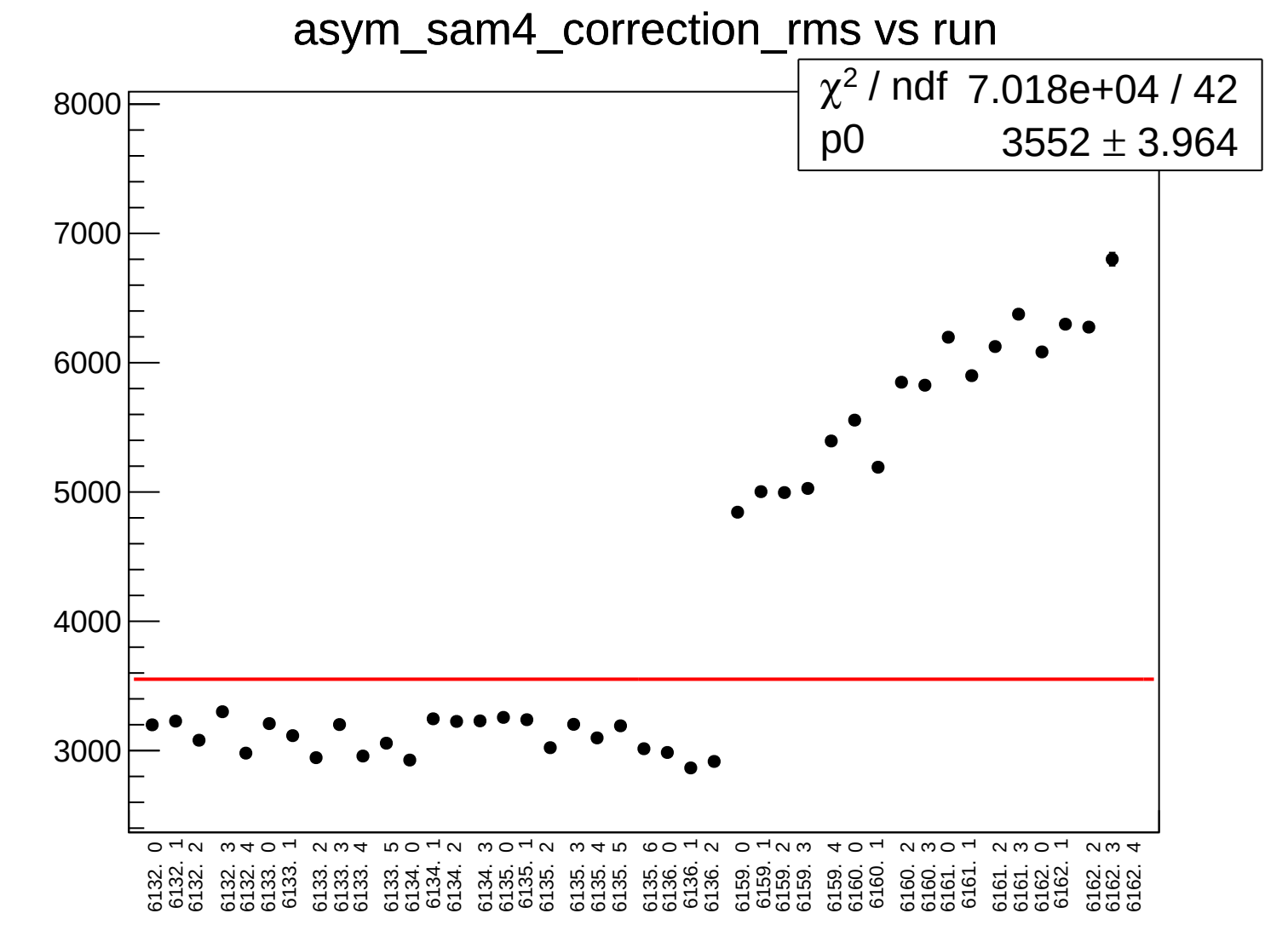

dit_asym_sam4_mean vs run
χ² / ndf 50.64 / 42
p0 −330.9 ± 424.4
10000
5000
0
−5000
−10000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 580.3
Std Dev 560.6
3
2
1
0
−1
−2

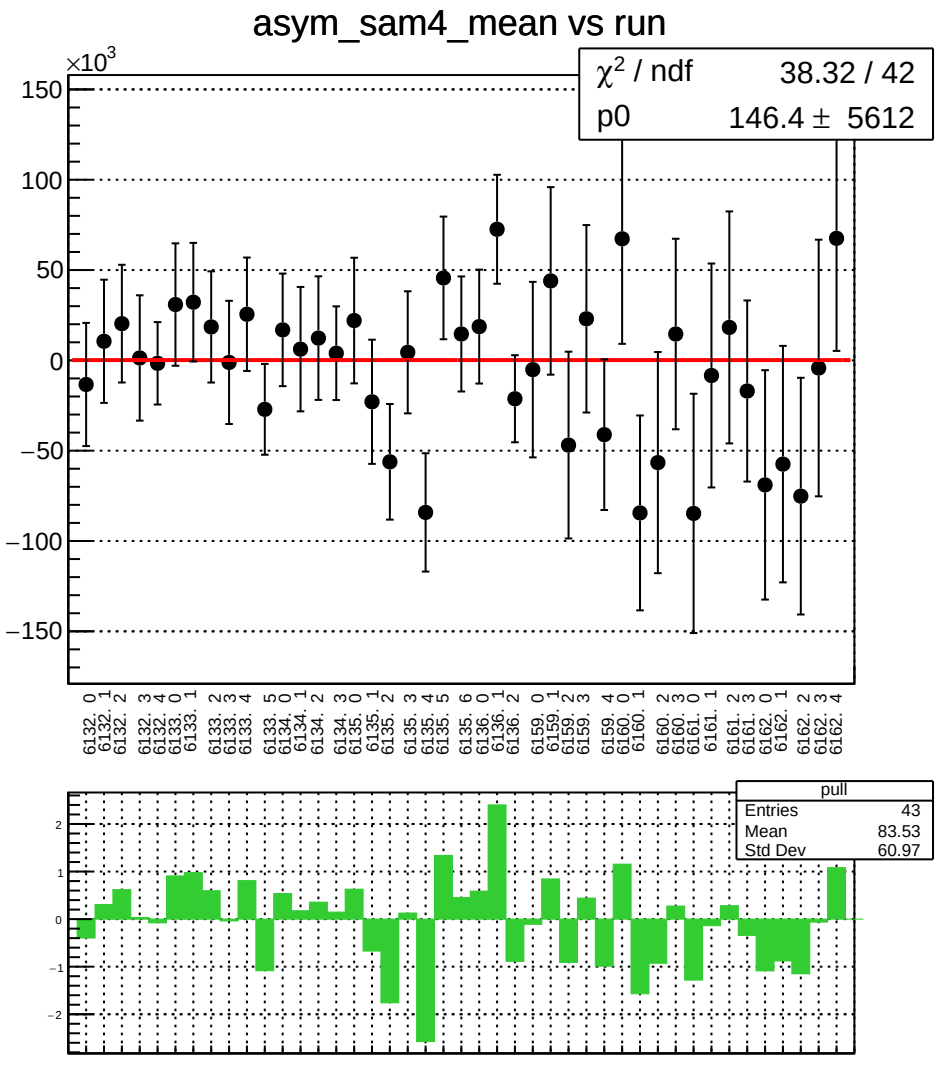

pull1D
Entries 43
Mean 0.005296
Std Dev 1.085
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

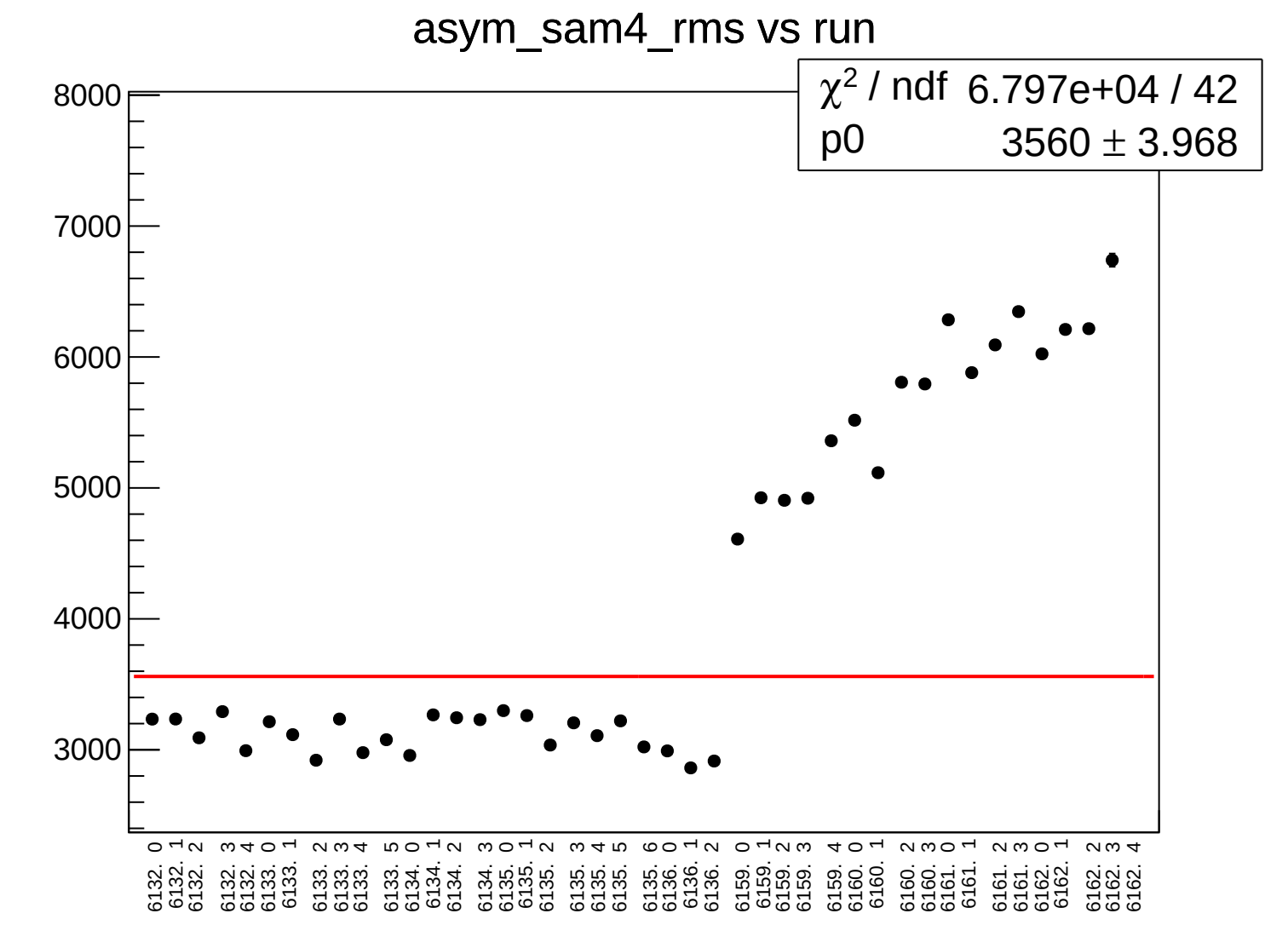

dit_asym_sam4_rms vs run
χ² / ndf 2103 / 42
p0 280 ± 0.3001
380
360
340
320
300
280
260
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

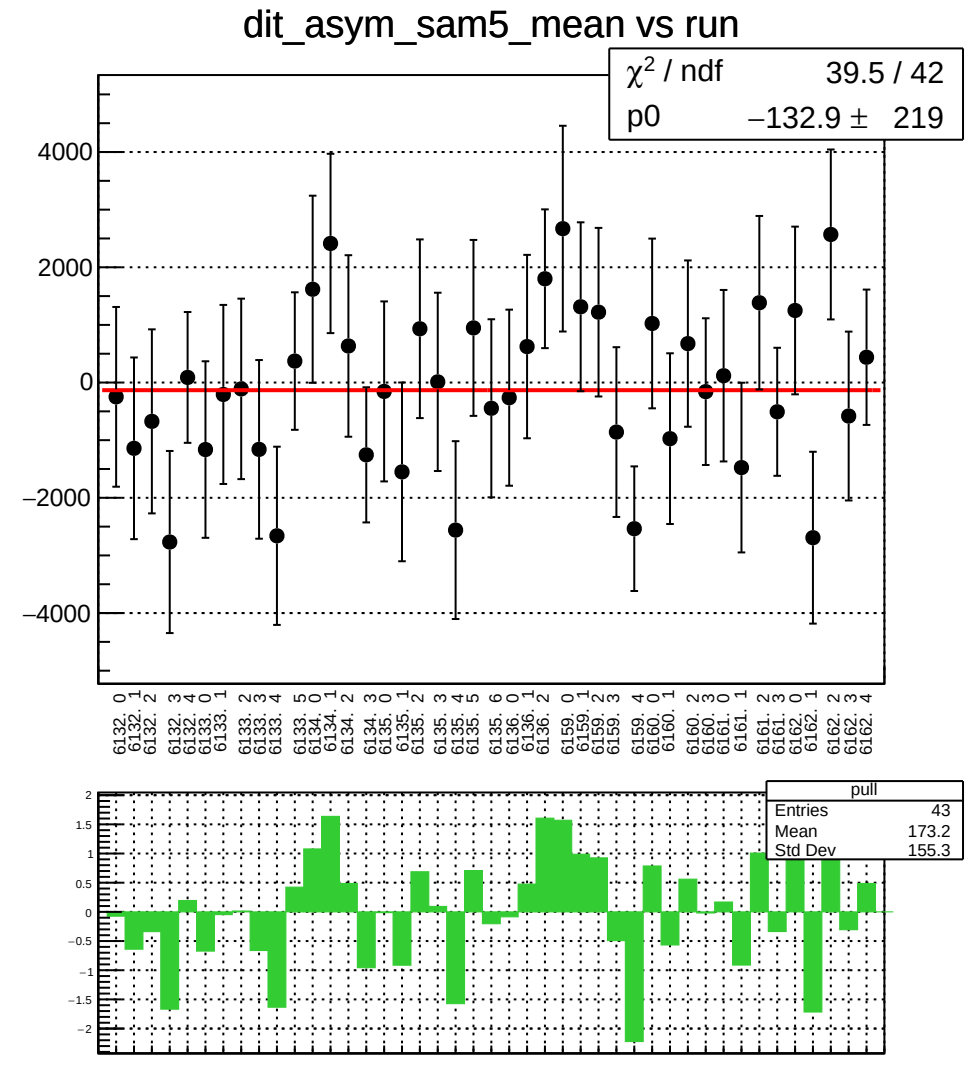

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 38.05 / 42
p0 −628.4 ± 5606
150
100
50
0
−50
−100
−150
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 86.58
Std Dev 64.25
2
1
0
−1
−2

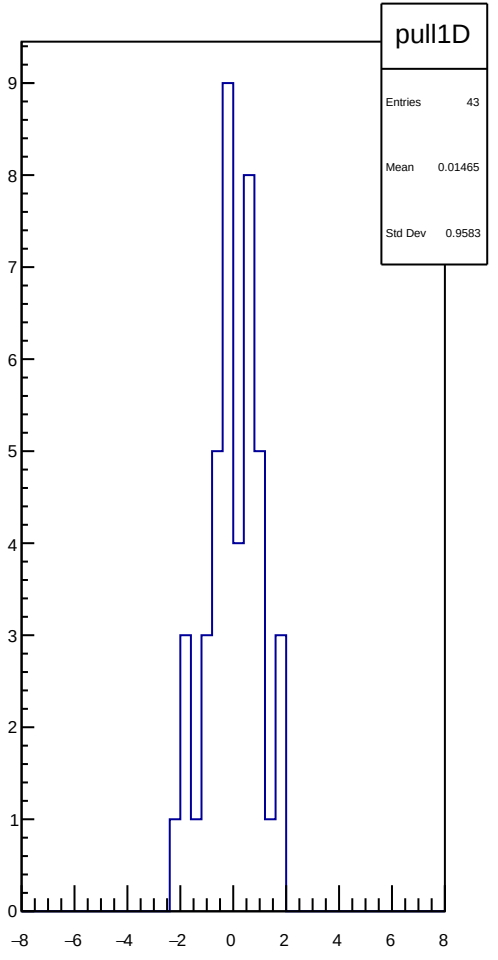

pull1D
Entries 43
Mean 0.04411
Std Dev 0.9396
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

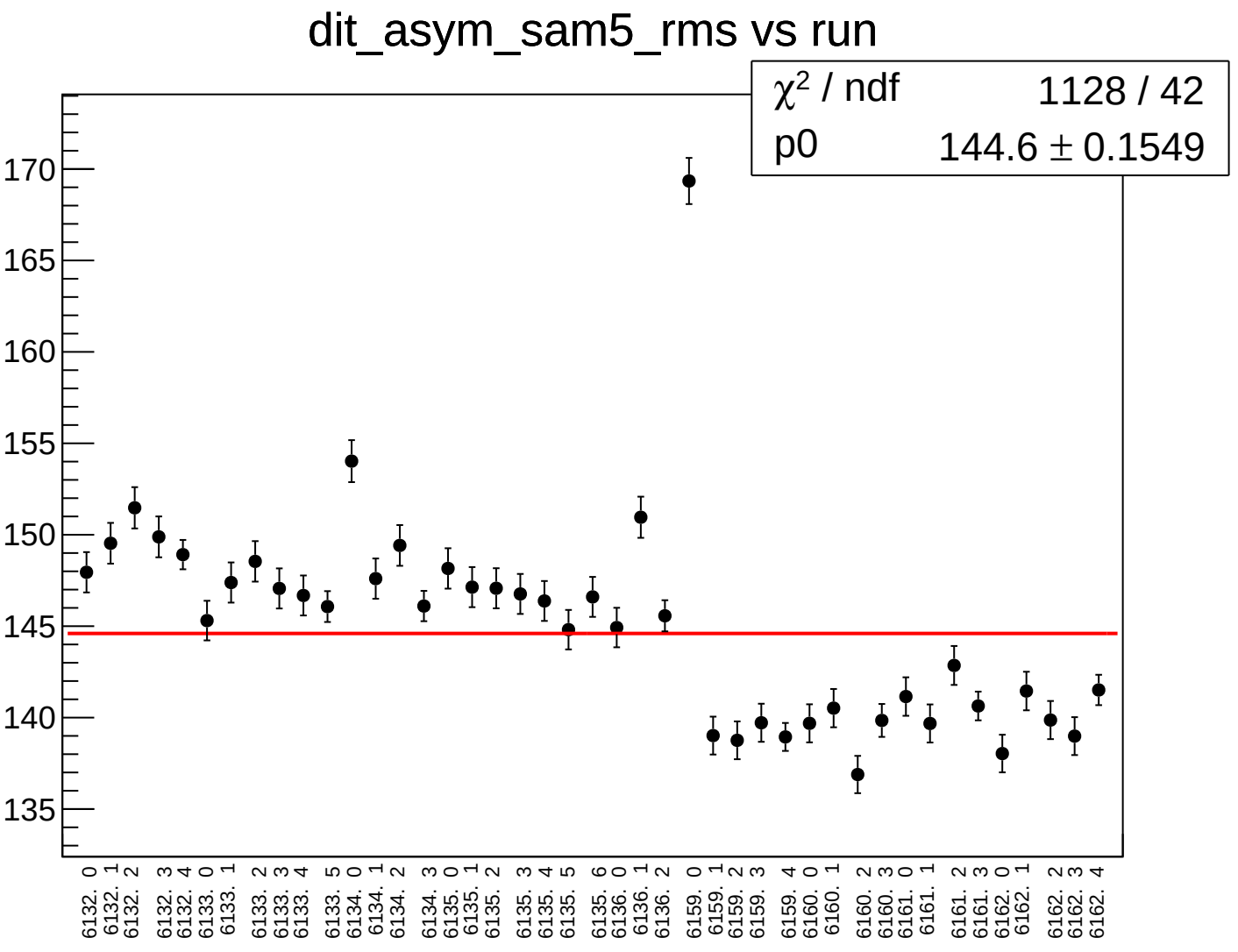

asym_sam4_correction_rms vs run
χ² / ndf 7.018e+04 / 42
p0 3552 ± 3.964
8000
7000
6000
5000
4000
3000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

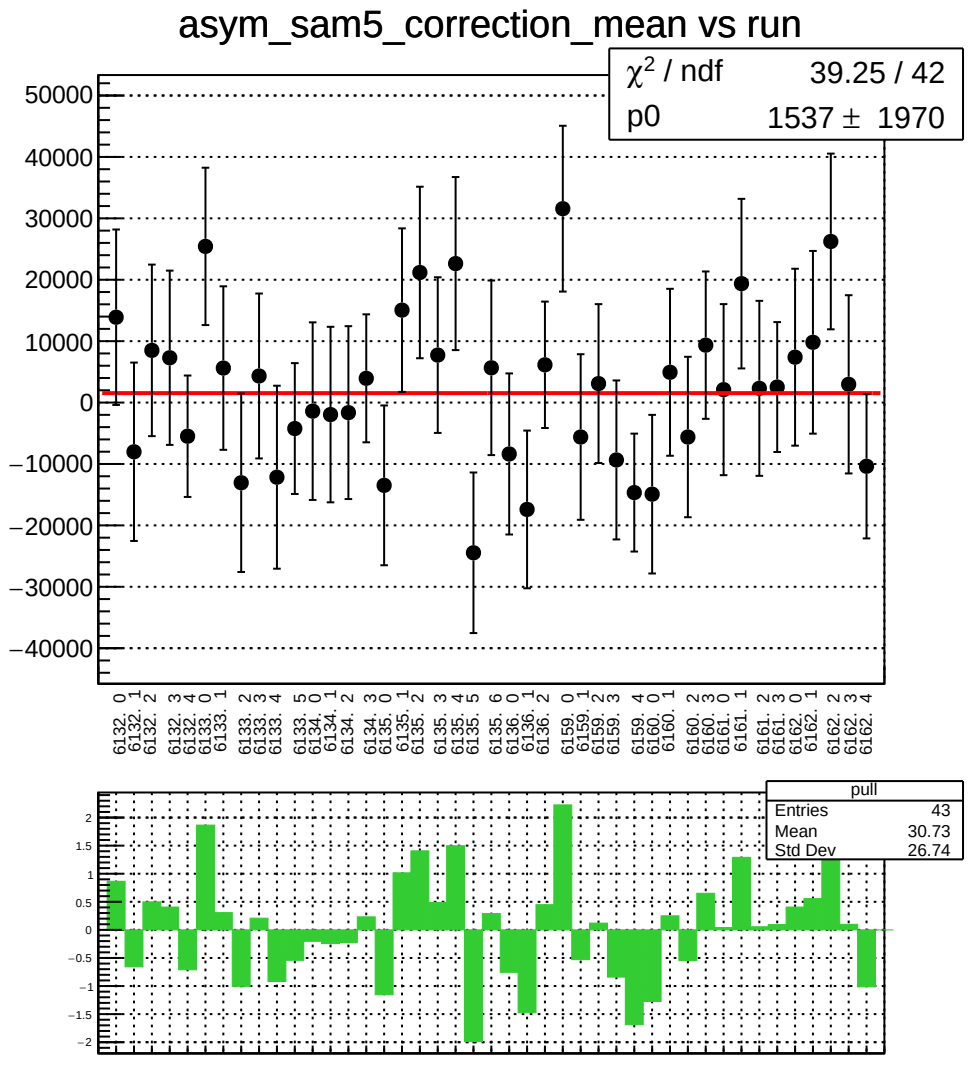

asym_sam4_mean vs run
×10^3
χ^2 / ndf 38.32 / 42
p0 146.4 ± 5612
150
100
50
0
−50
−100
−150
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 83.53
Std Dev 60.97
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.04308
Std Dev 0.9431
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

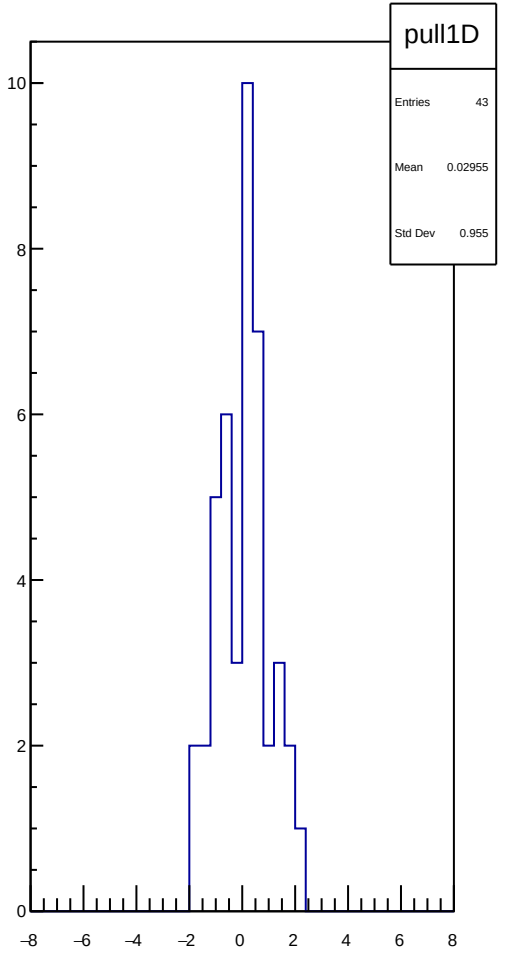

asym_sam4_rms vs run
χ² / ndf 6.797e+04 / 42
p0 3560 ± 3.968
8000
7000
6000
5000
4000
3000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

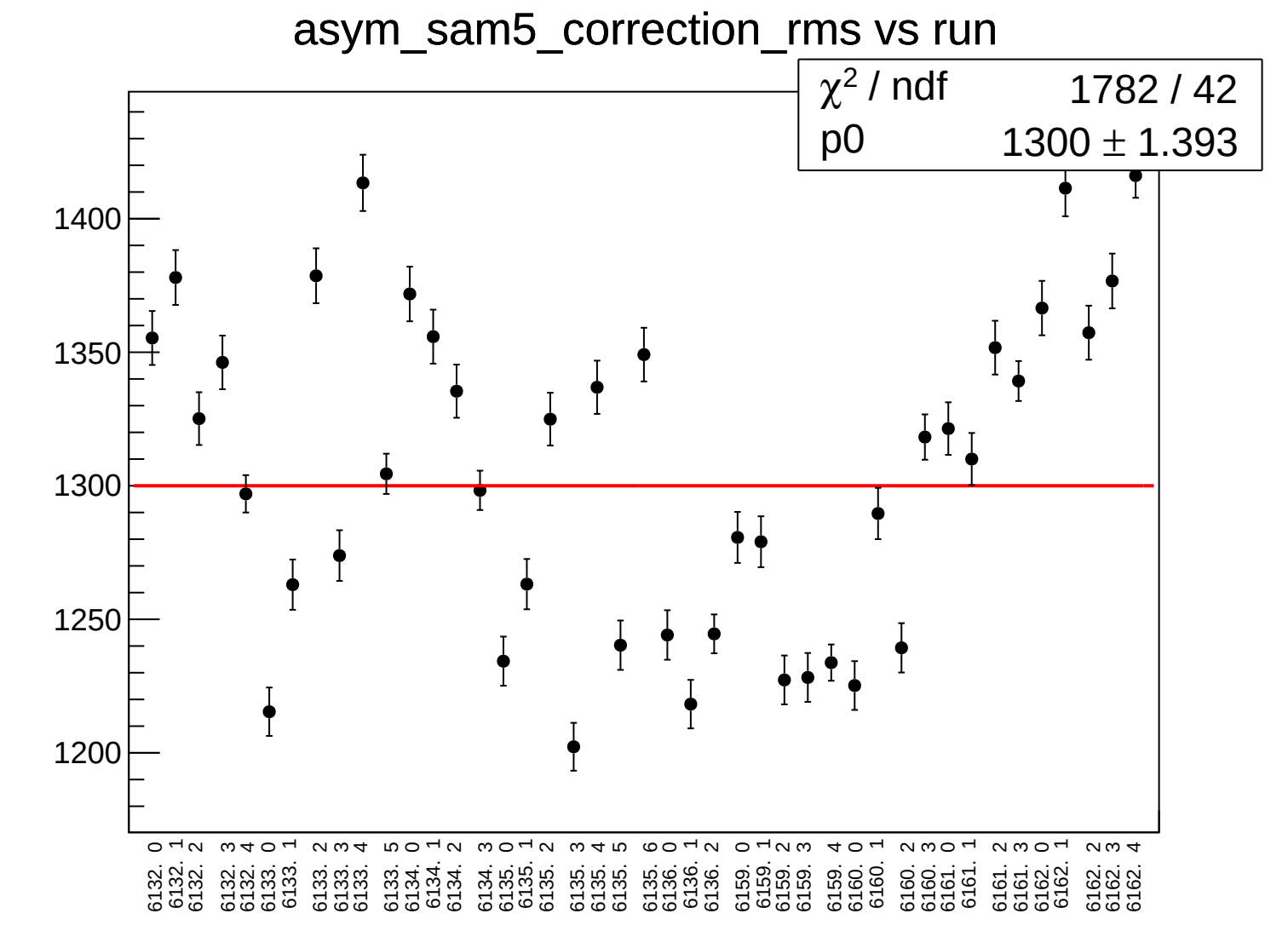

dit_asym_sam5_mean vs run
χ² / ndf 39.5 / 42
p0 −132.9 ± 219
4000
2000
0
−2000
−4000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 173.2
Std Dev 155.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

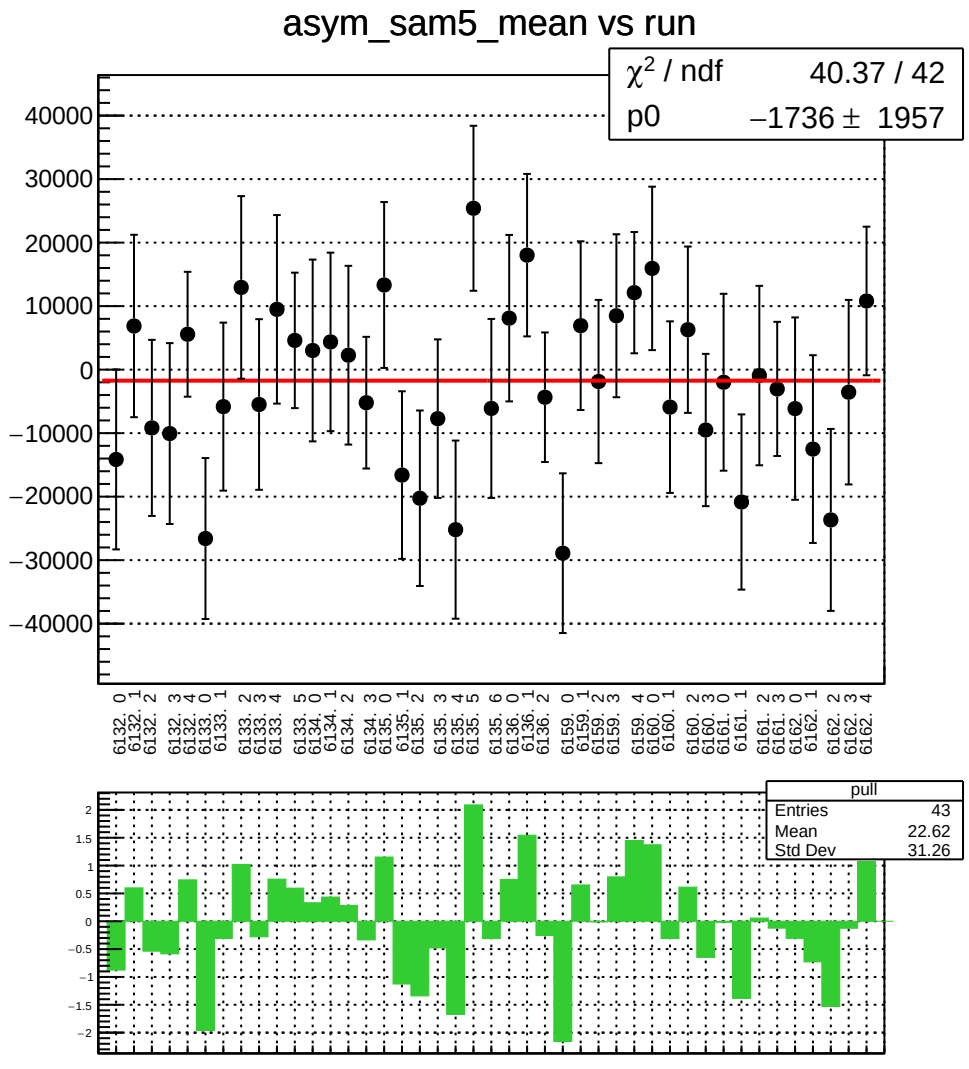

pull1D
Entries 43
Mean 0.01465
Std Dev 0.9583
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

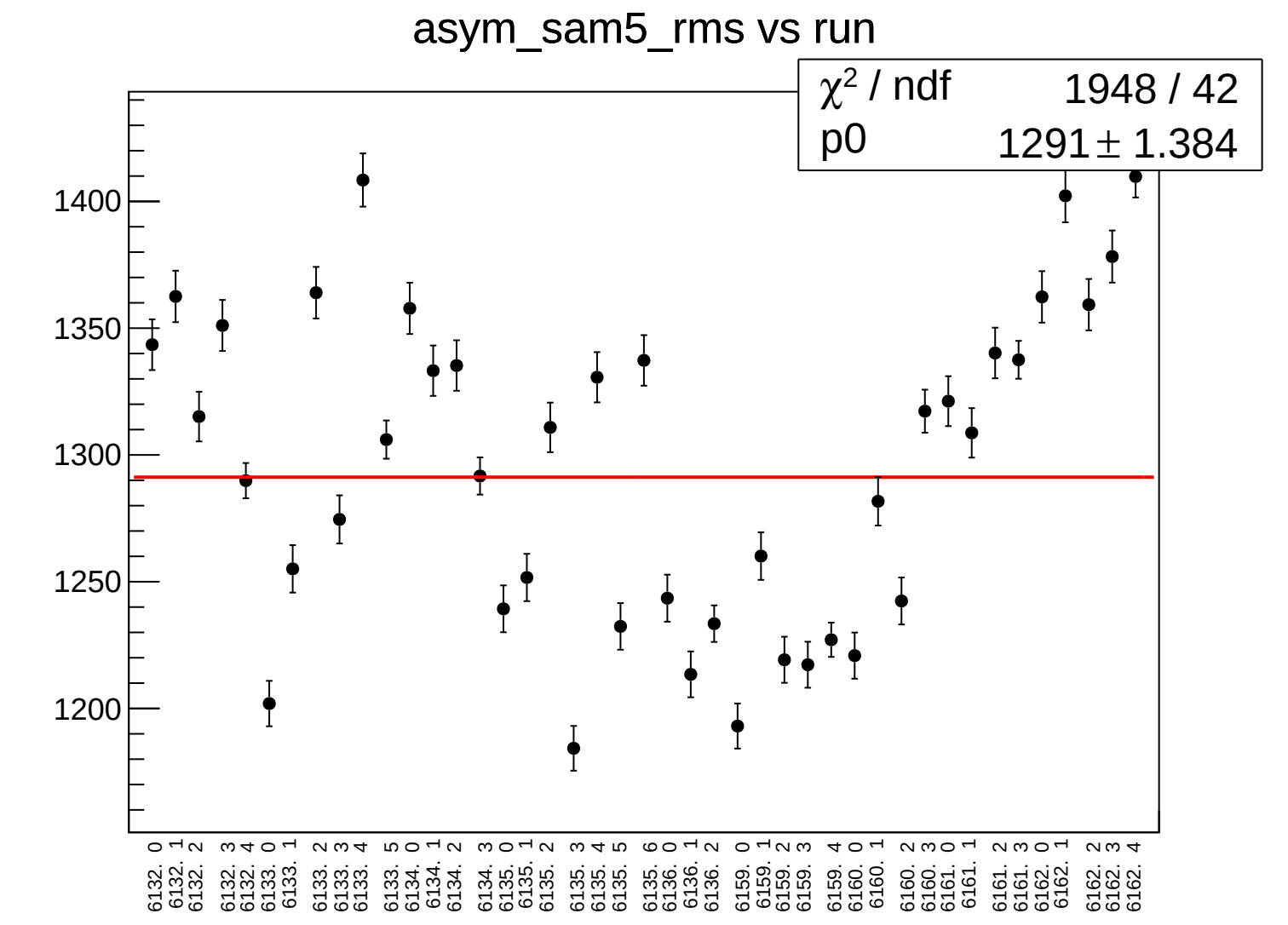

dit_asym_sam5_rms vs run
χ² / ndf 1128 / 42
p0 144.6 ± 0.1549
170
165
160
155
150
145
140
135
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

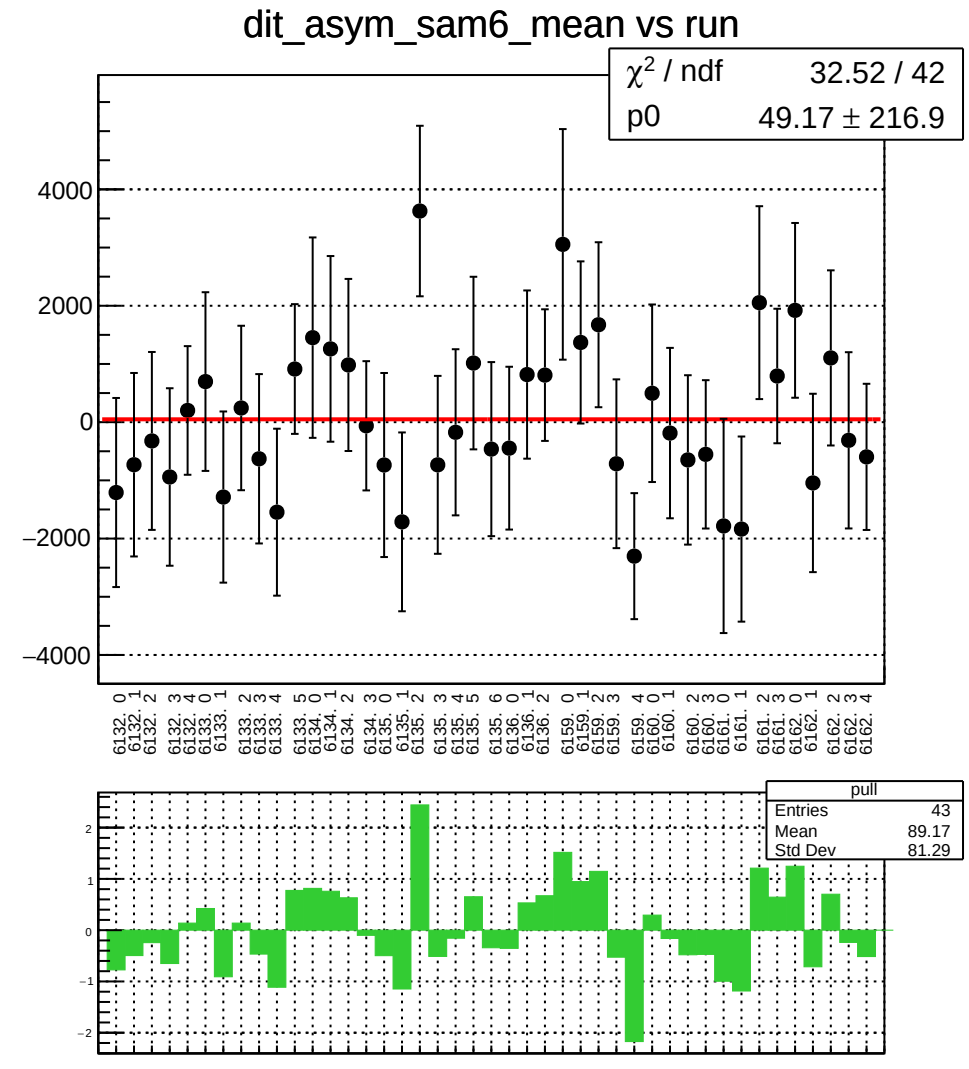

asym_sam5_correction_mean vs run
χ² / ndf 39.25 / 42
p0 1537 ± 1970
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 30.73
Std Dev 26.74
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

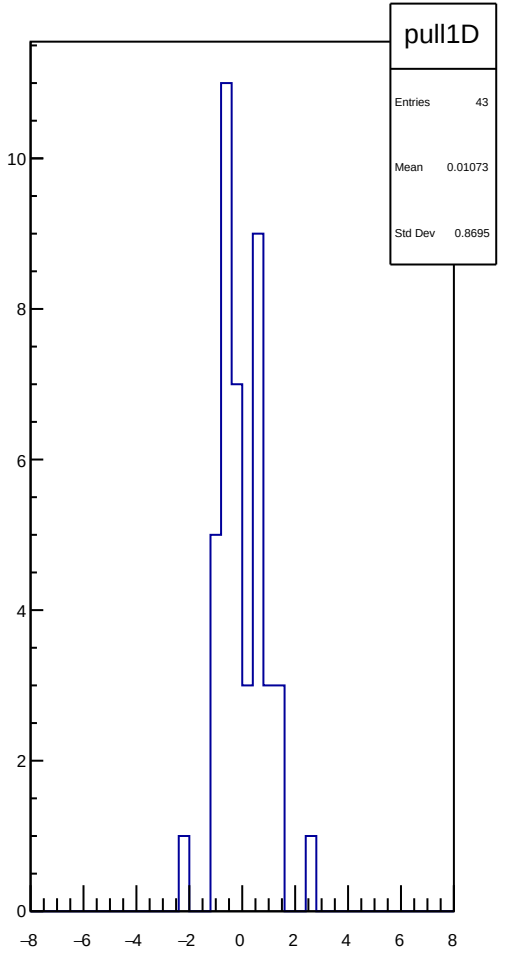

pull1D
Entries 43
Mean 0.02955
Std Dev 0.955
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

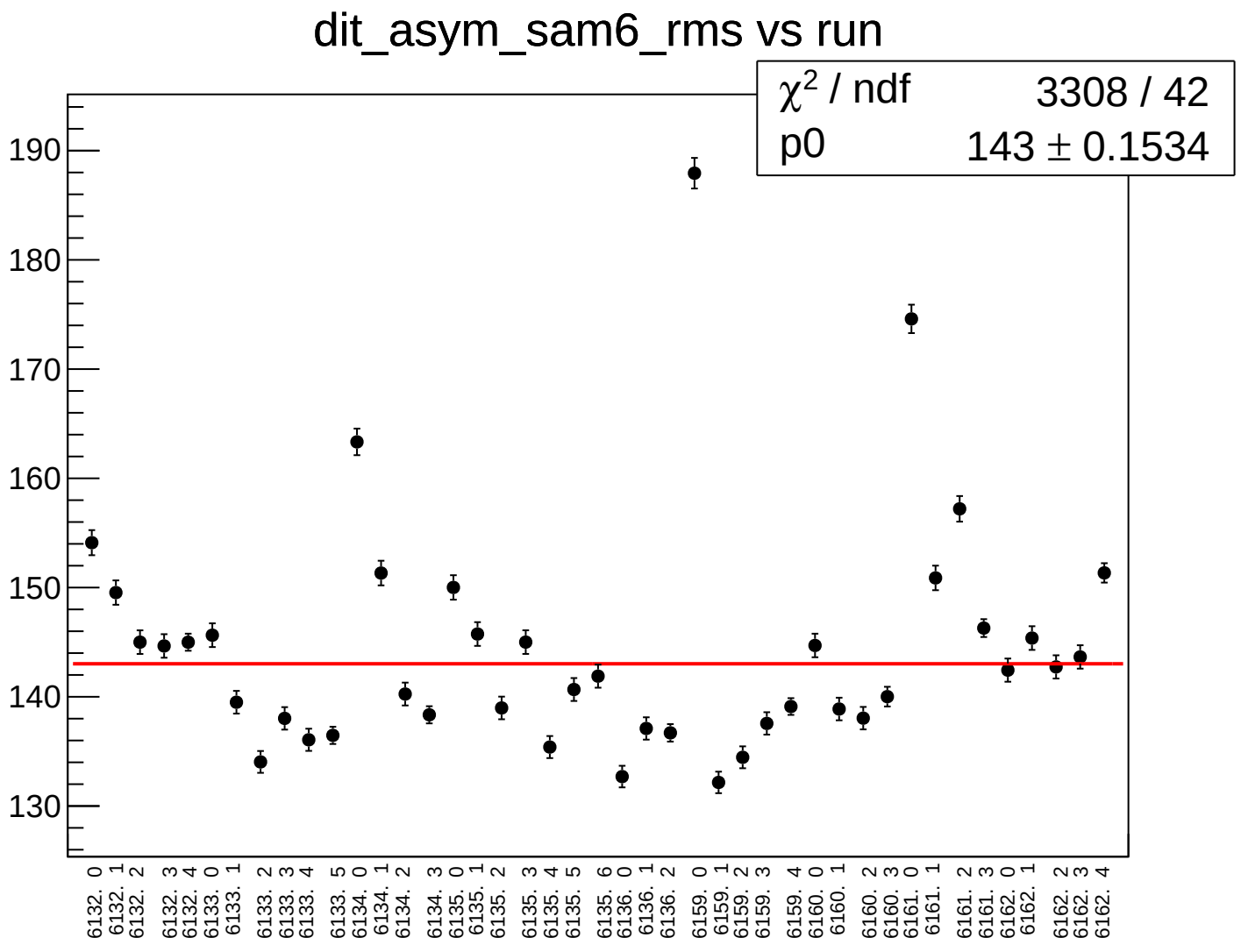

asym_sam5_correction_rms vs run
χ² / ndf 1782 / 42
p0 1300 ± 1.393
1400
1350
1300
1250
1200
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

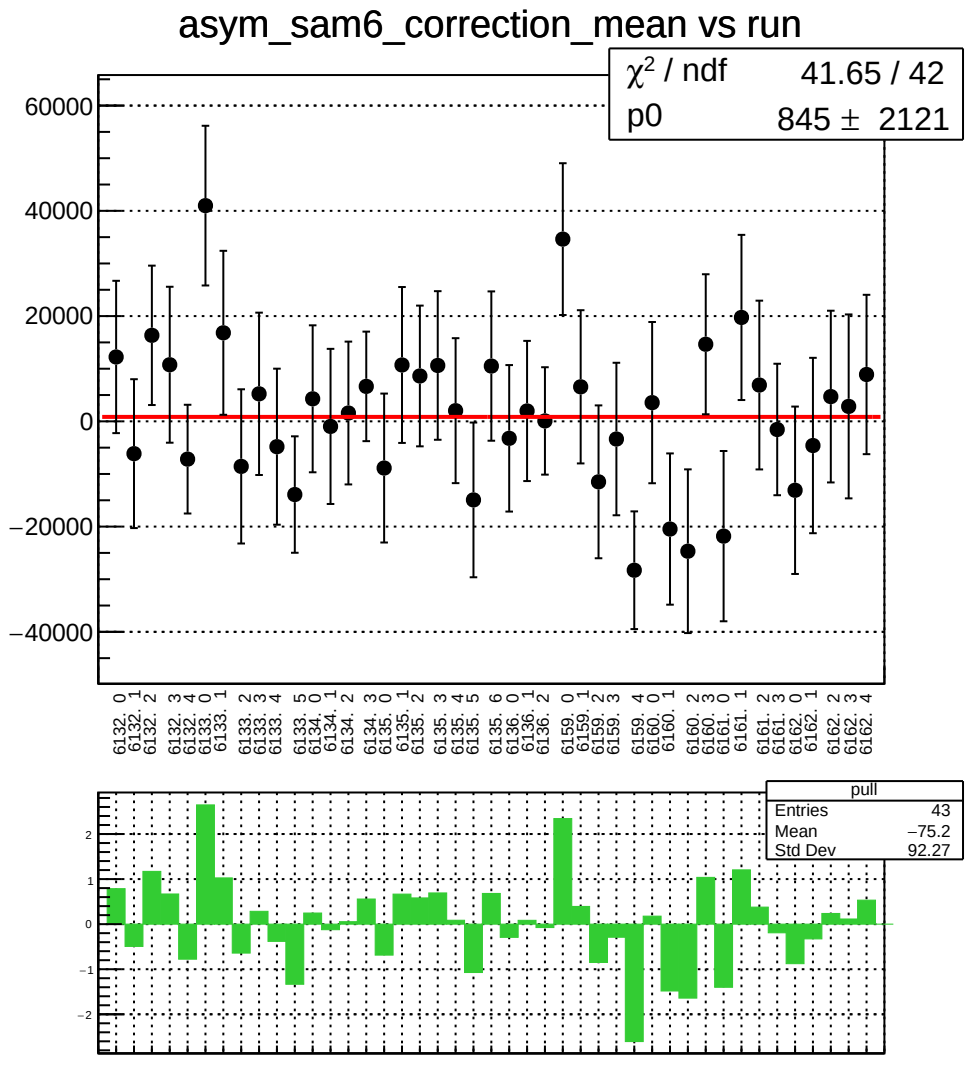

asym_sam5_mean vs run
χ² / ndf 40.37 / 42
p0 −1736 ± 1957
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 22.62
Std Dev 31.26
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.02539
Std Dev 0.9687
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

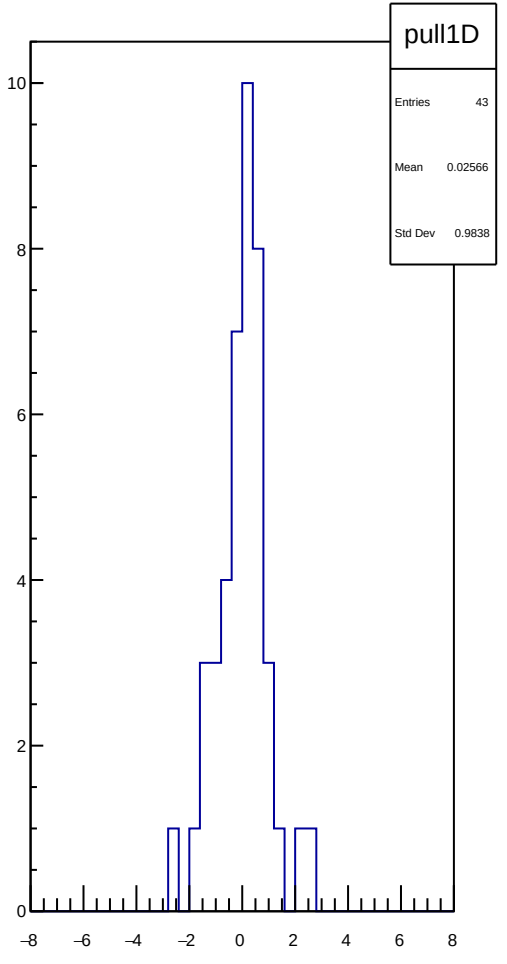

asym_sam5_rms vs run
χ² / ndf 1948 / 42
p0 1291 ± 1.384
1400
1350
1300
1250
1200
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

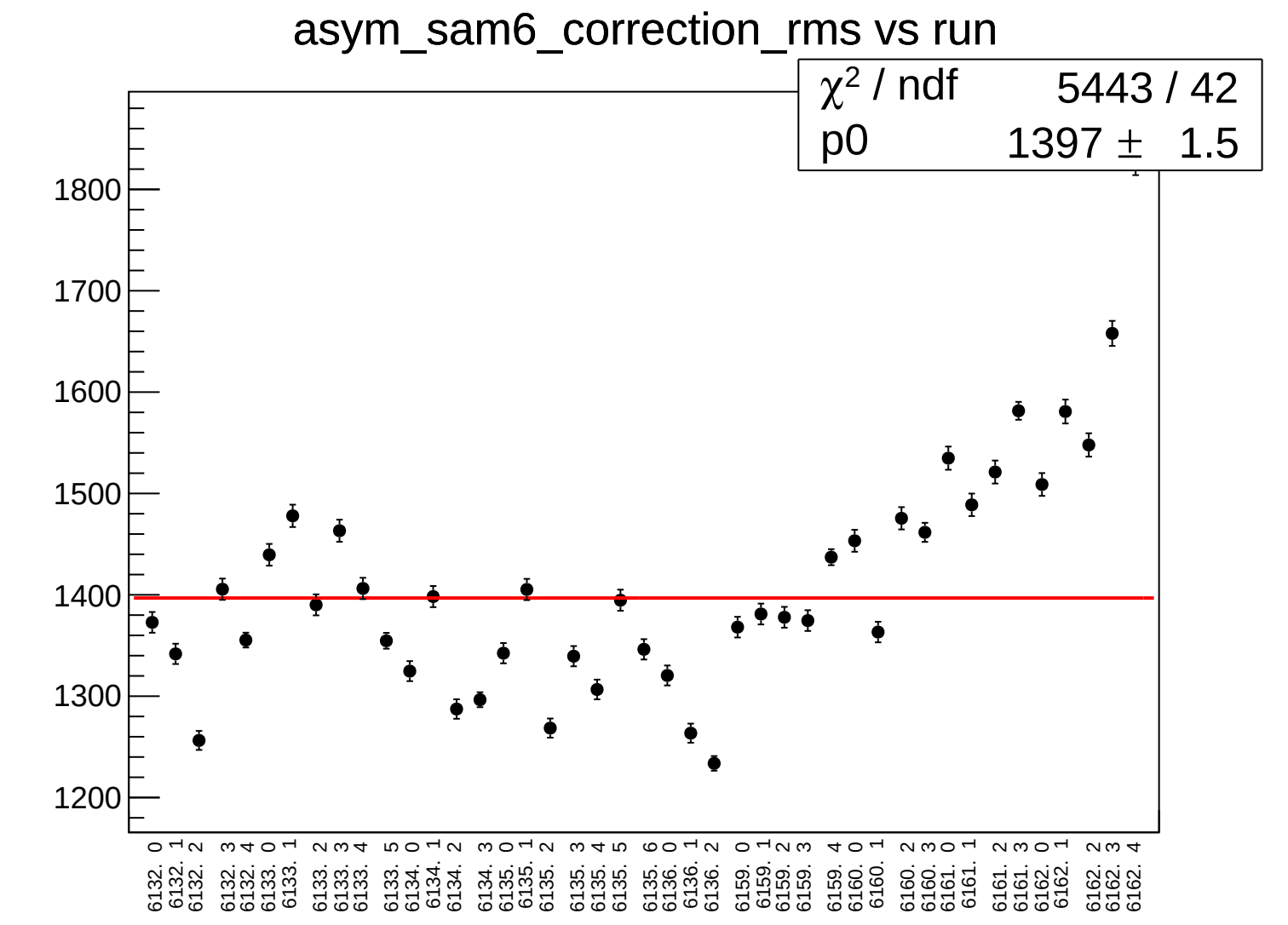

dit_asym_sam6_mean vs run
χ² / ndf 32.52 / 42
p0 49.17 ± 216.9
4000
2000
0
−2000
−4000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 89.17
Std Dev 81.29
2
1
0
−1
−2

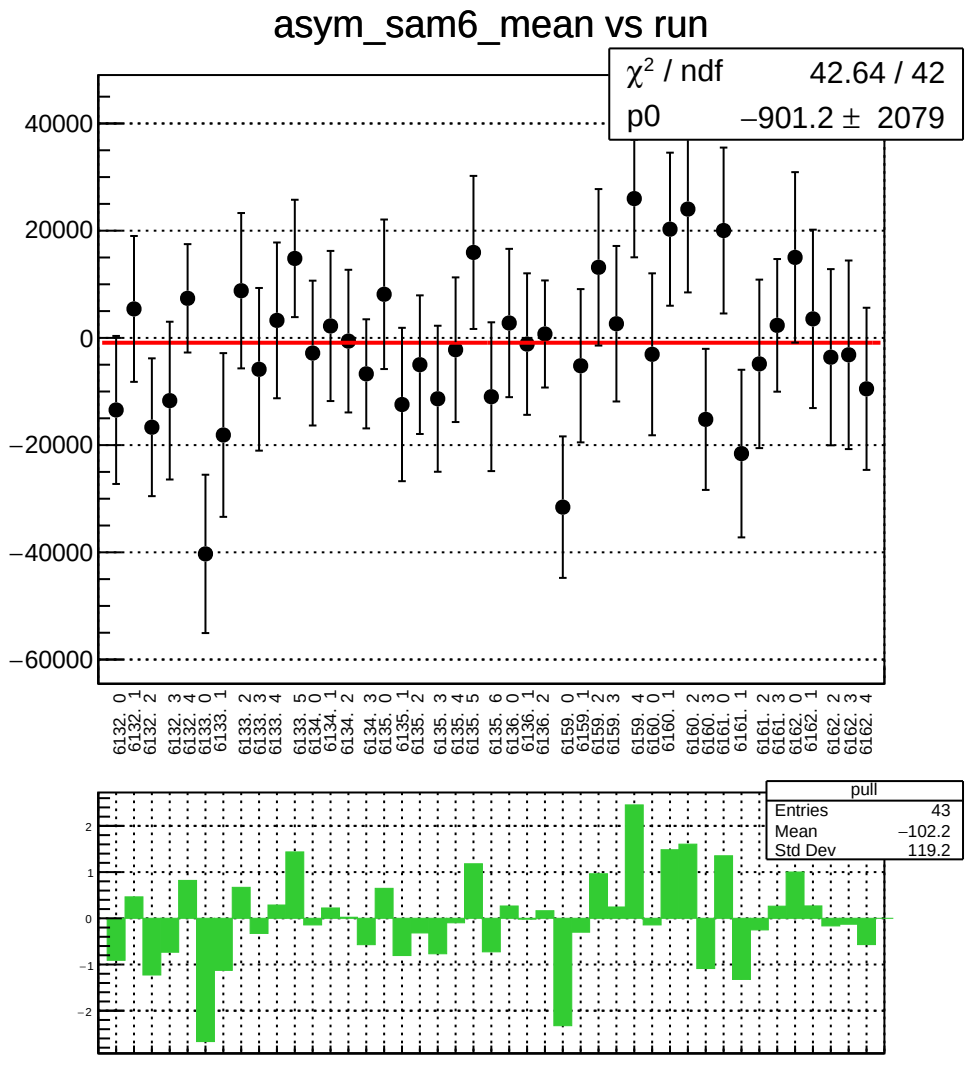

pull1D
Entries 43
Mean 0.01073
Std Dev 0.8695
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

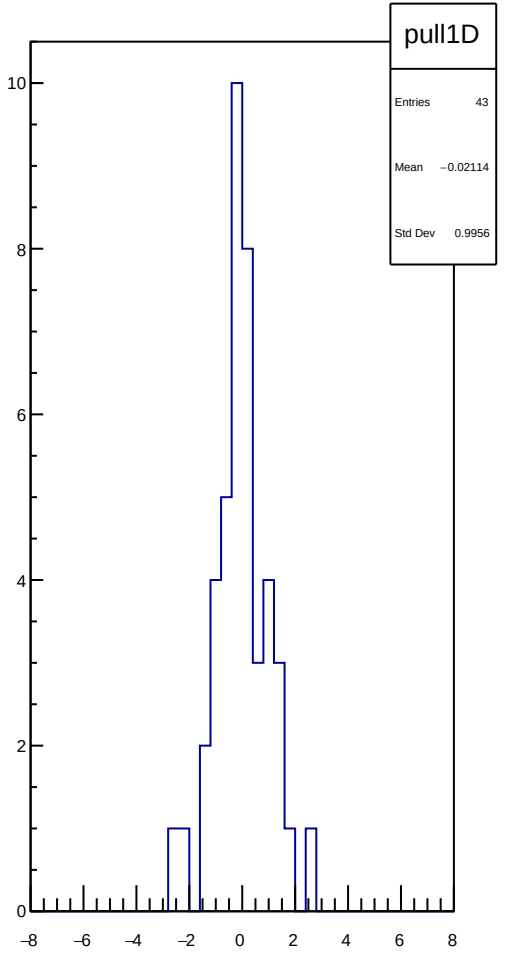

dit_asym_sam6_rms vs run
χ² / ndf 3308 / 42
p0 143 ± 0.1534
190
180
170
160
150
140
130
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

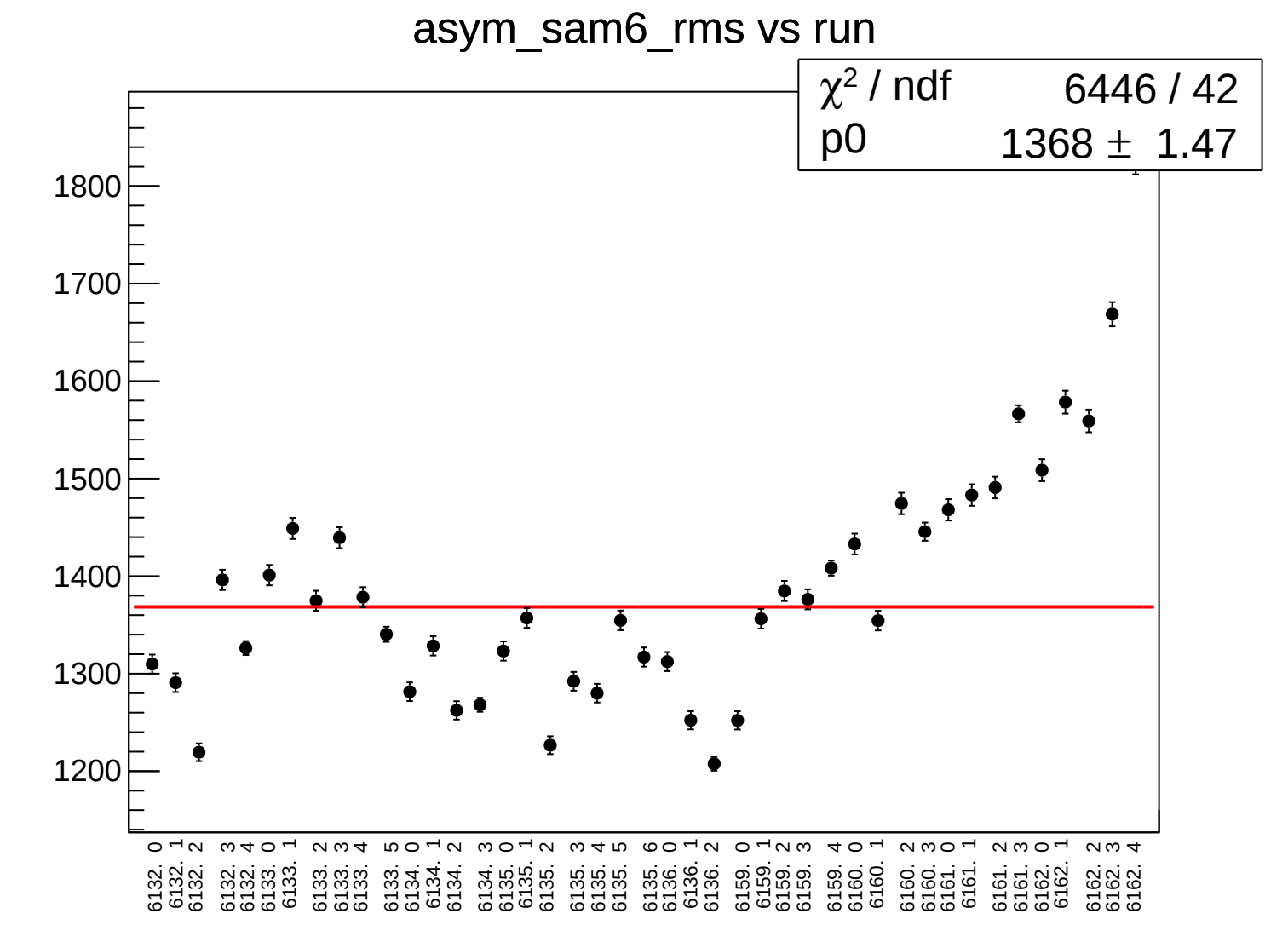

asym_sam6_correction_mean vs run
χ² / ndf 41.65 / 42
p0 845 ± 2121
60000
40000
20000
0
−20000
−40000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −75.2
Std Dev 92.27
2
1
0
−1
−2

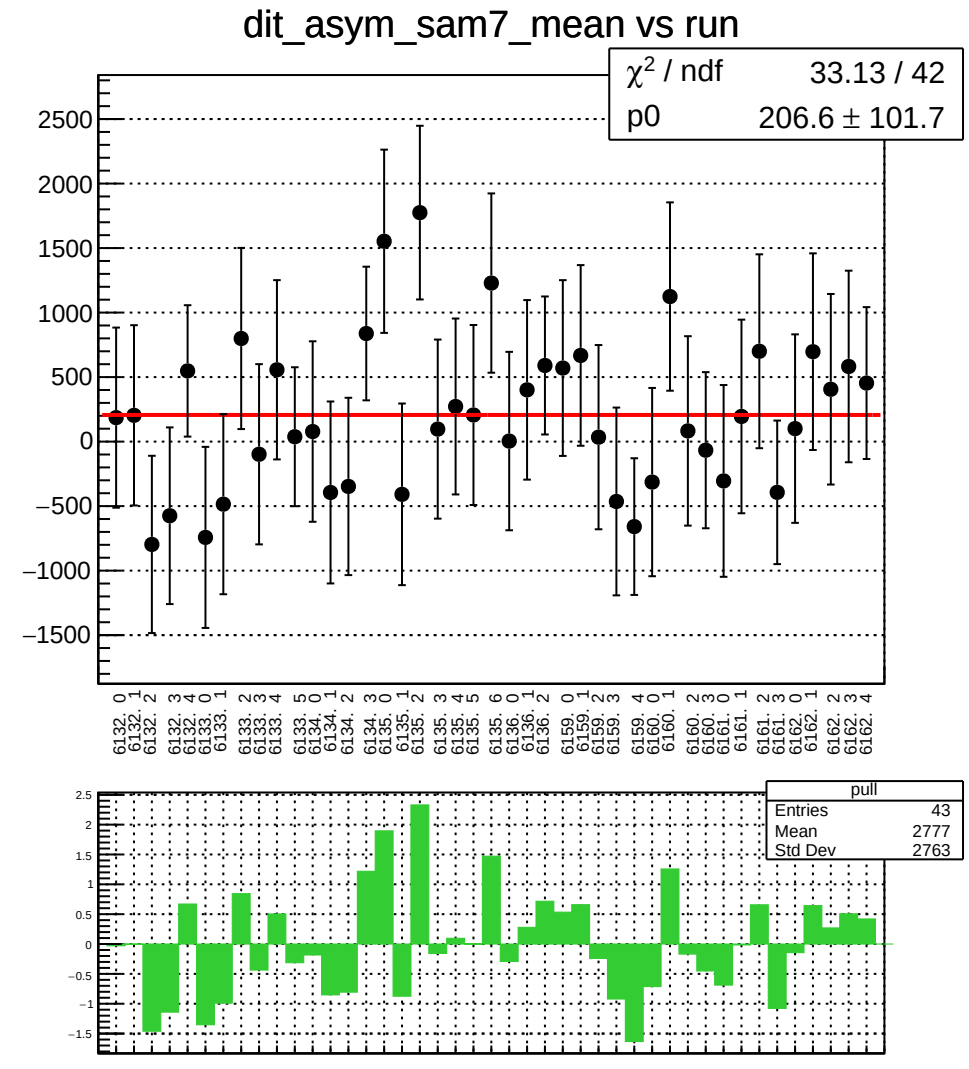

pull1D
Entries 43
Mean 0.02566
Std Dev 0.9838
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

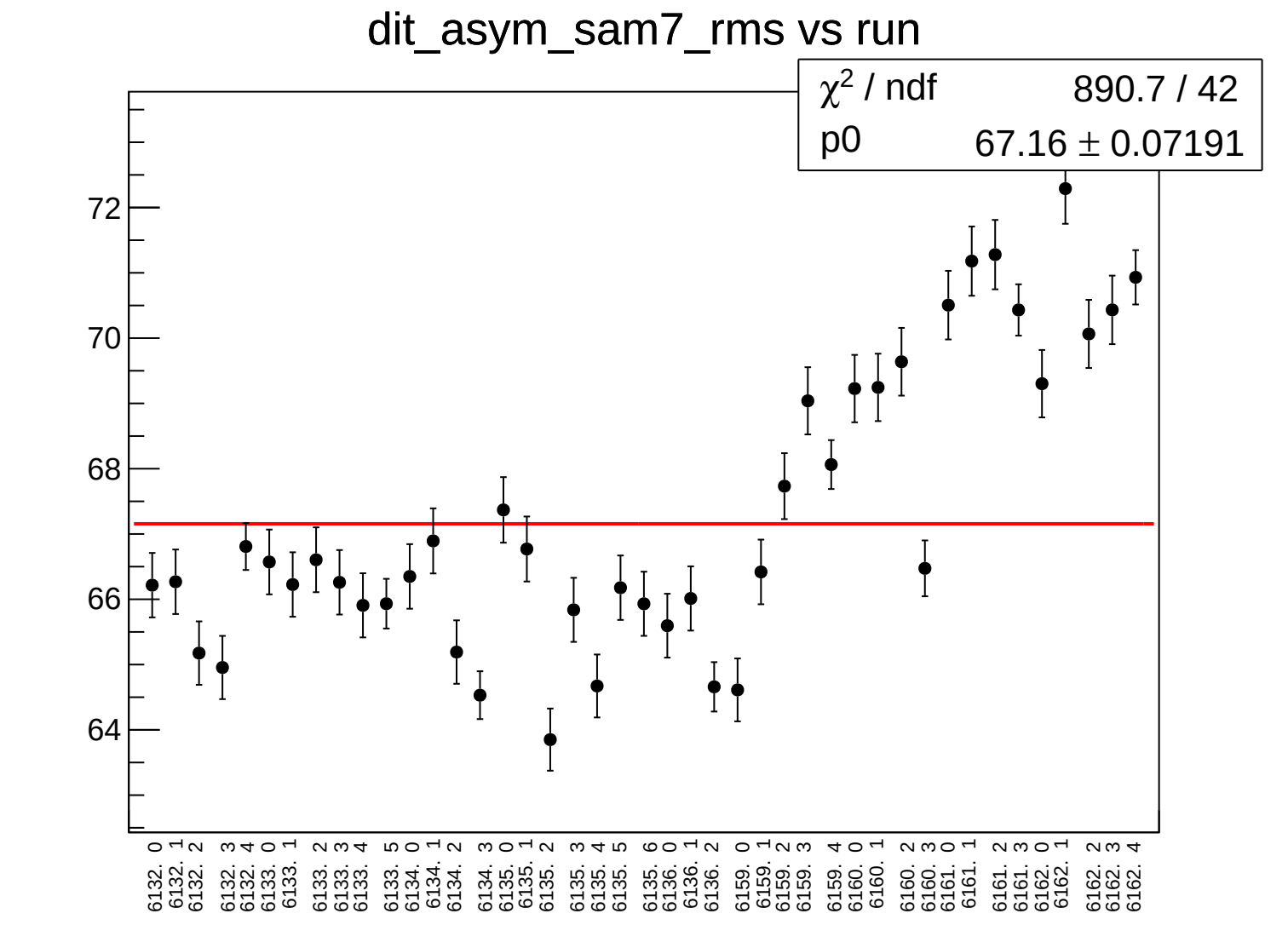

asym_sam6_correction_rms vs run
χ² / ndf 5443 / 42
p0 1397 ± 1.5
1800
1700
1600
1500
1400
1300
1200
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

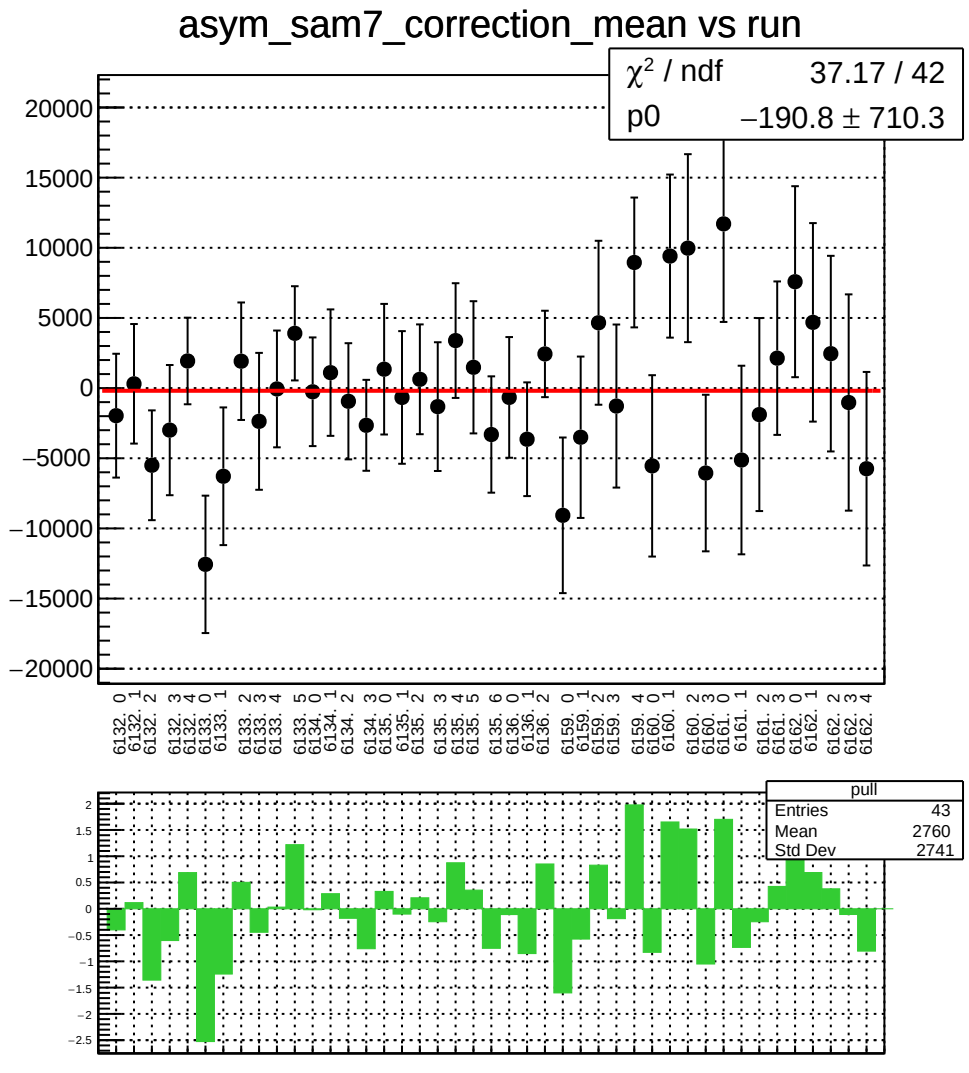

asym_sam6_mean vs run
χ² / ndf 42.64 / 42
p0 −901.2 ± 2079
40000
20000
0
−20000
−40000
−60000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −102.2
Std Dev 119.2
2
1
0
−1
−2

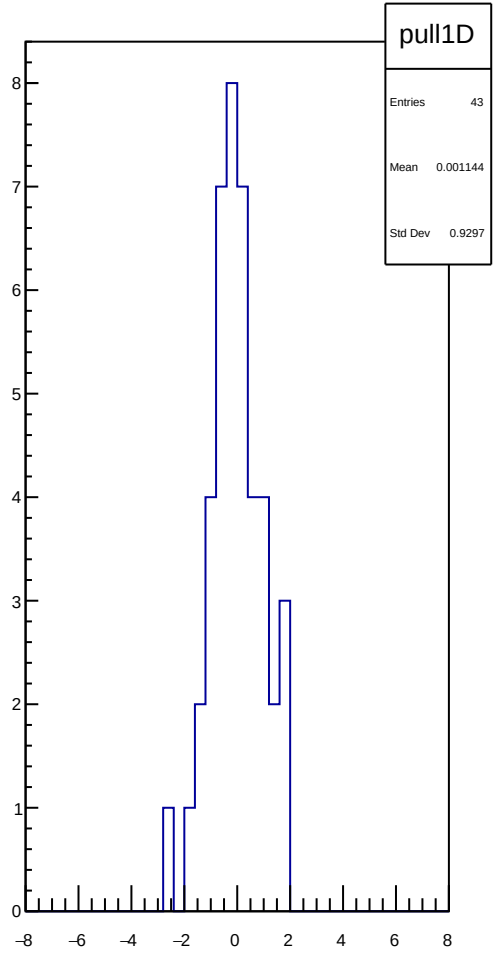

pull1D
Entries 43
Mean −0.02114
Std Dev 0.9956
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

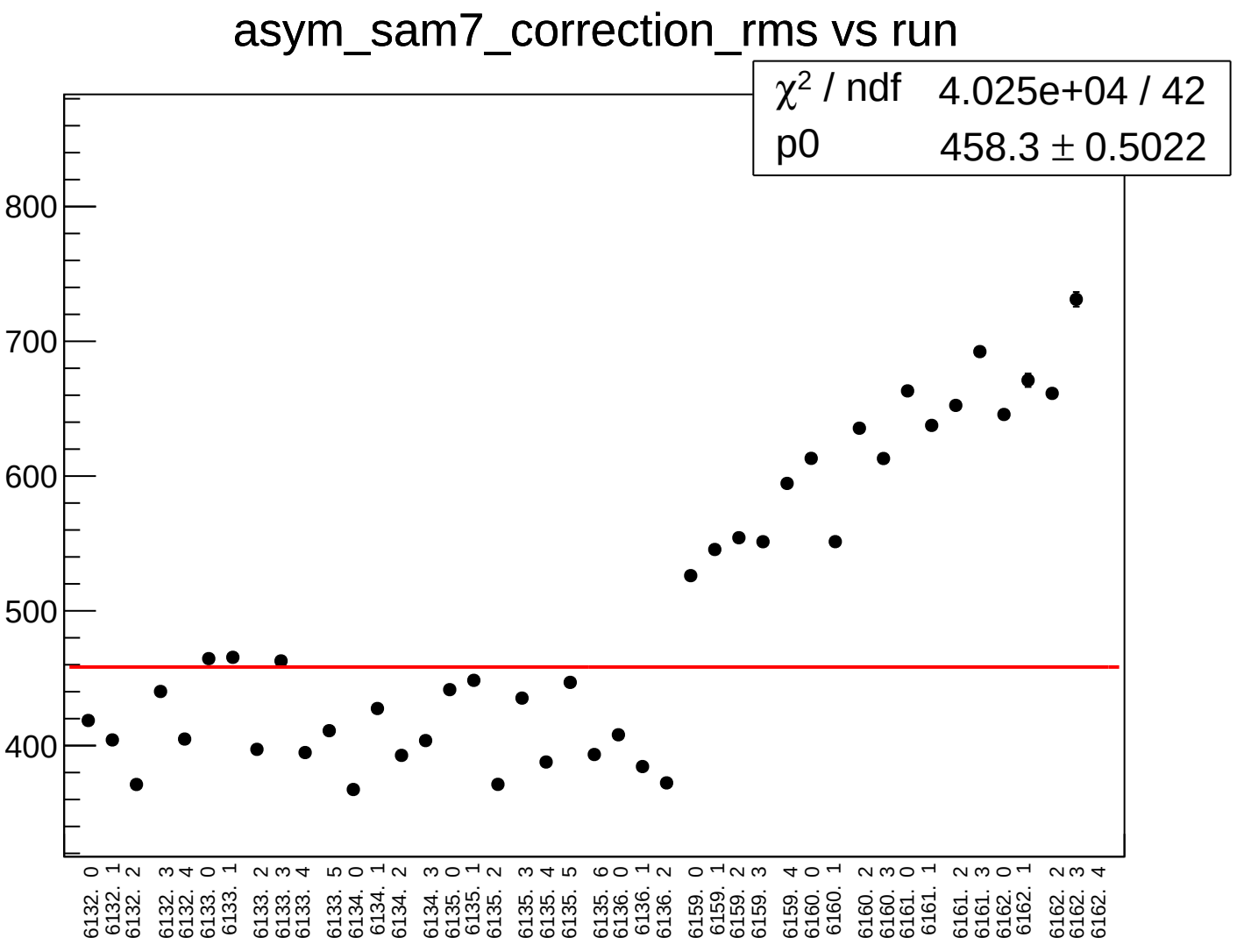

asym_sam6_rms vs run
χ² / ndf 6446 / 42
p0 1368 ± 1.47
1800
1700
1600
1500
1400
1300
1200
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

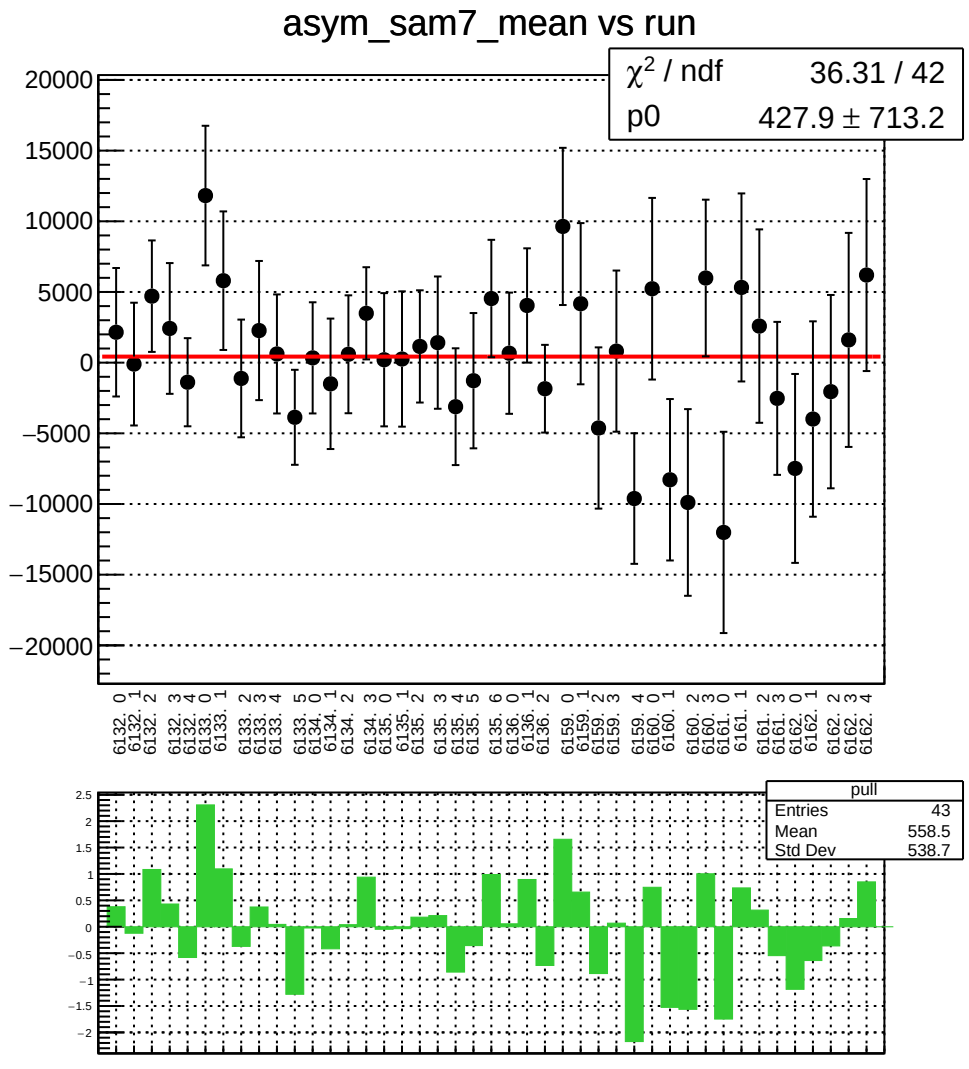

dit_asym_sam7_mean vs run
χ^2 / ndf 33.13 / 42
p0 206.6 ± 101.7
2500
2000
1500
1000
500
0
−500
−1000
−1500
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 2777
Std Dev 2763
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.0004991
Std Dev 0.8778
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

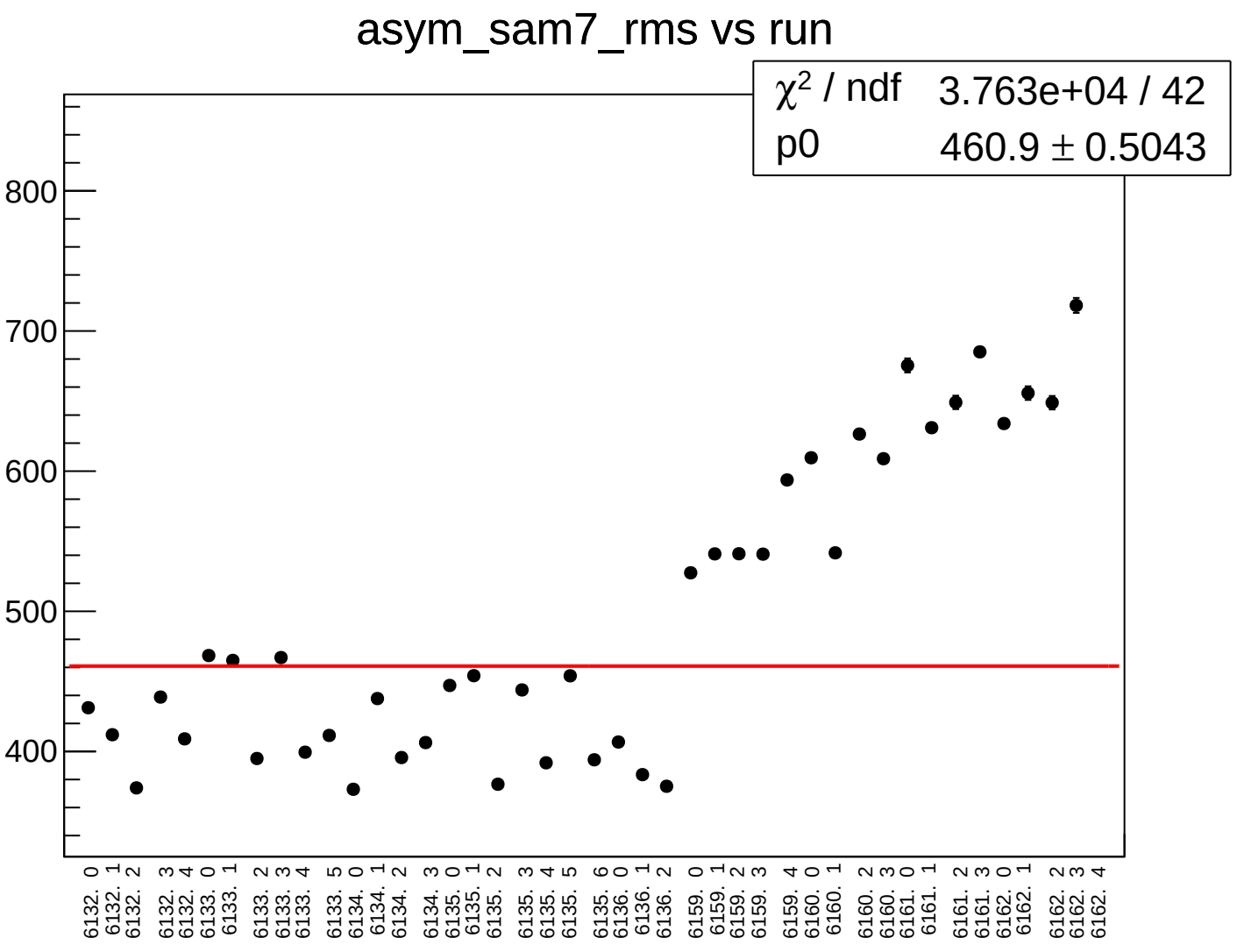

dit_asym_sam7_rms vs run
χ² / ndf 890.7 / 42
p0 67.16 ± 0.07191
72
70
68
66
64
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

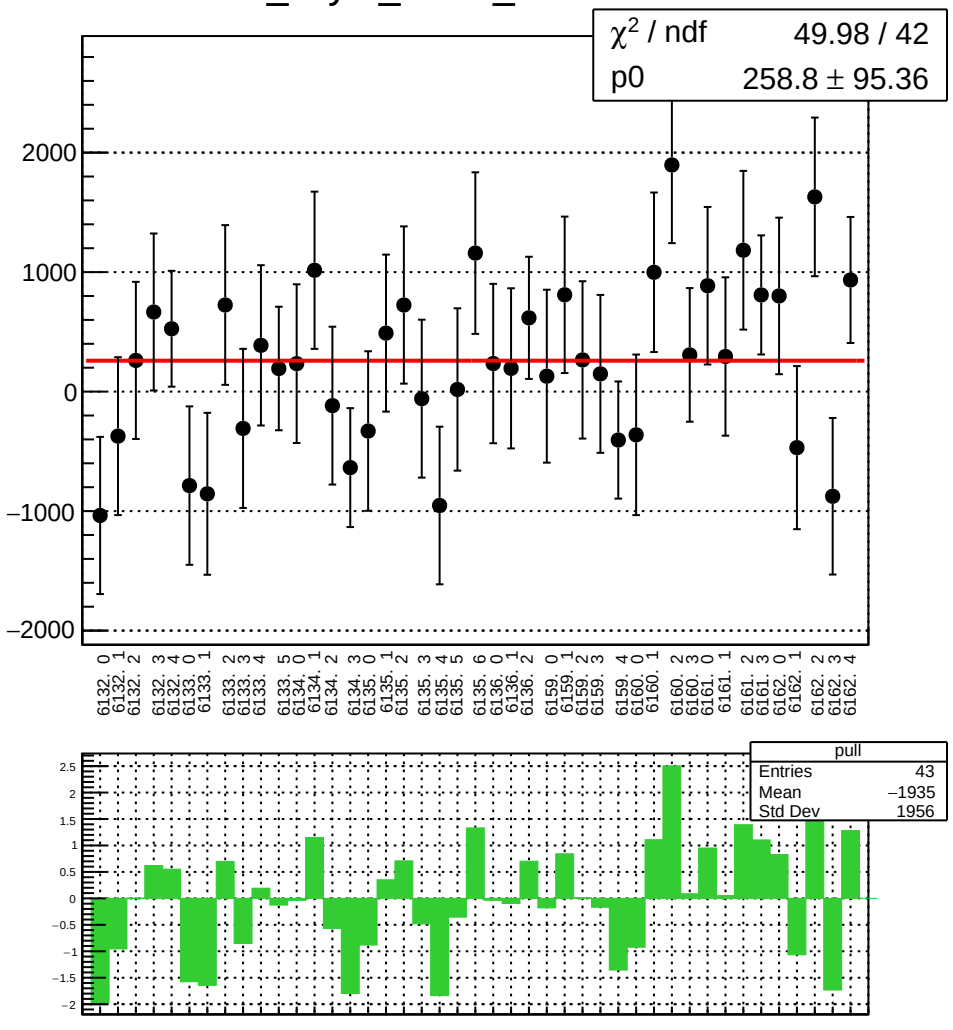

asym_sam7_correction_mean vs run
χ² / ndf 37.17 / 42
p0 −190.8 ± 710.3
pull
Entries 43
Mean 2760
Std Dev 2741

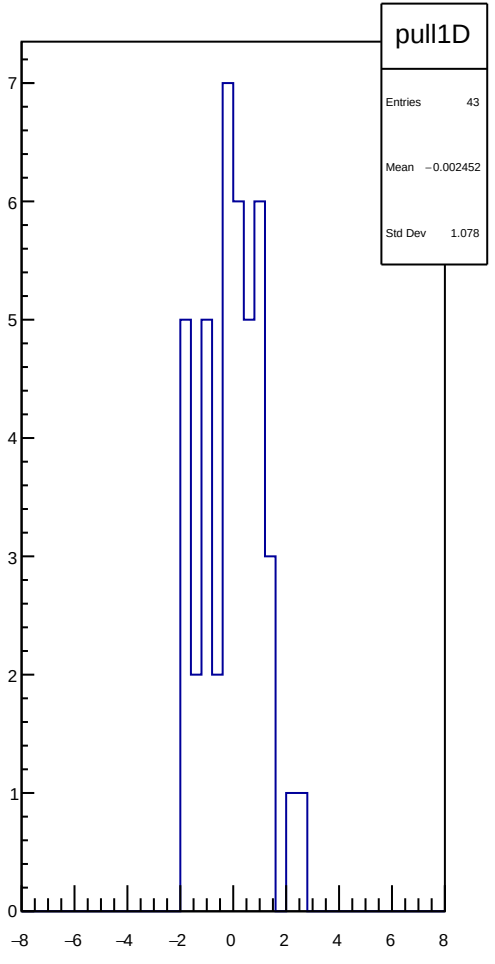

pull1D
Entries 43
Mean 0.001144
Std Dev 0.9297

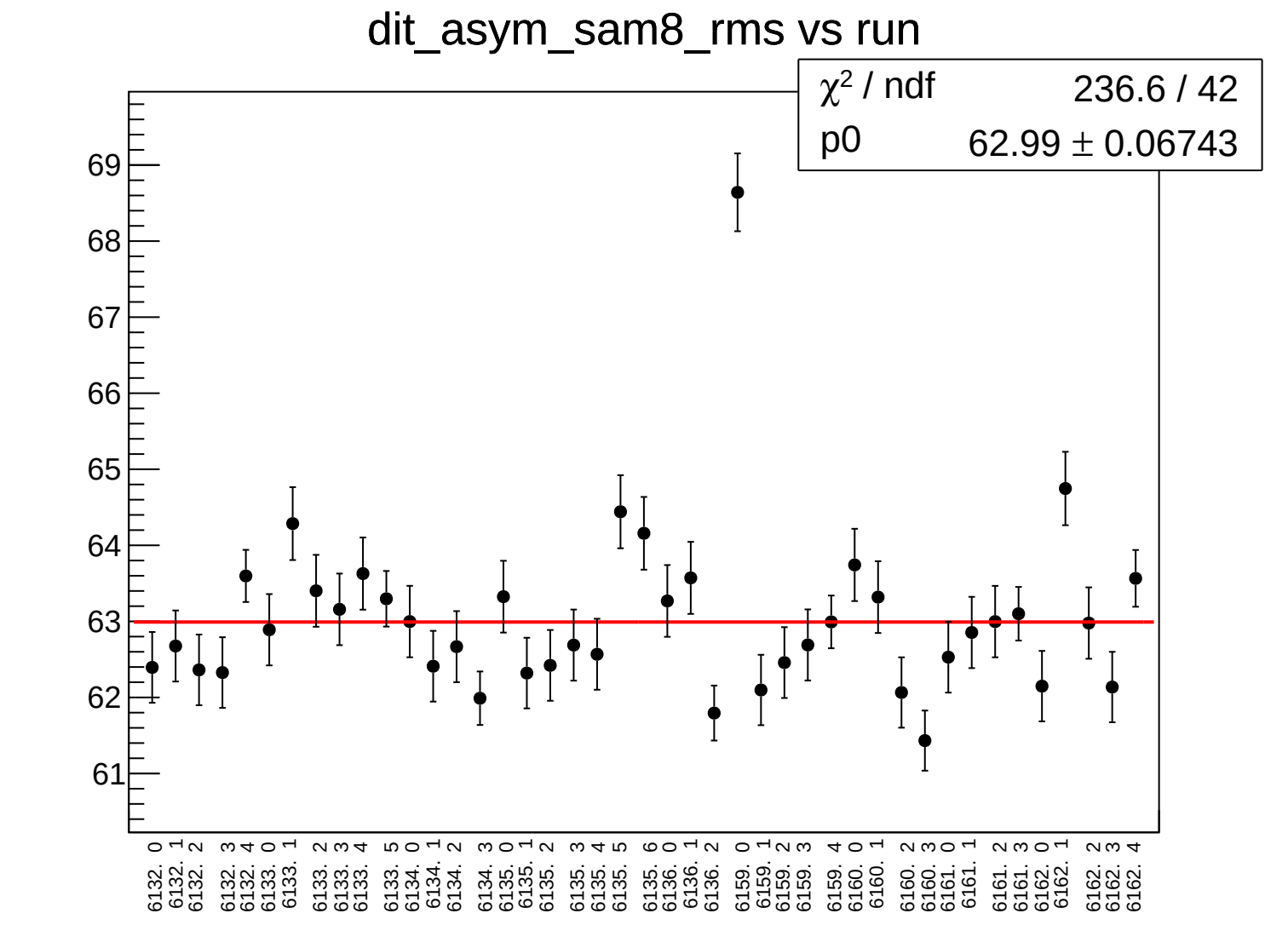

asym_sam7_correction_rms vs run
χ² / ndf 4.025e+04 / 42
p0 458.3 ± 0.5022
800
700
600
500
400
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

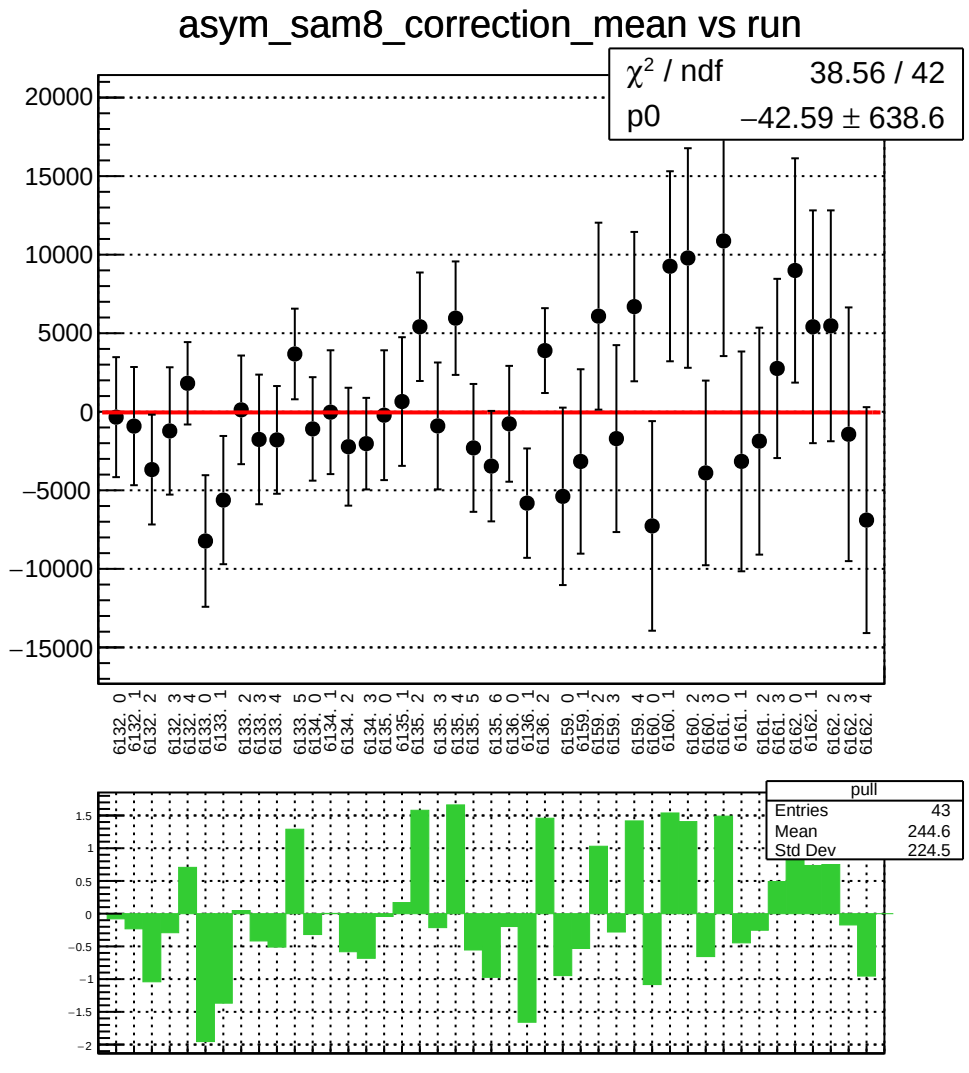

asym_sam7_mean vs run
χ² / ndf 36.31 / 42
p0 427.9 ± 713.2
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 558.5
Std Dev 538.7
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.005437
Std Dev 0.9189
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

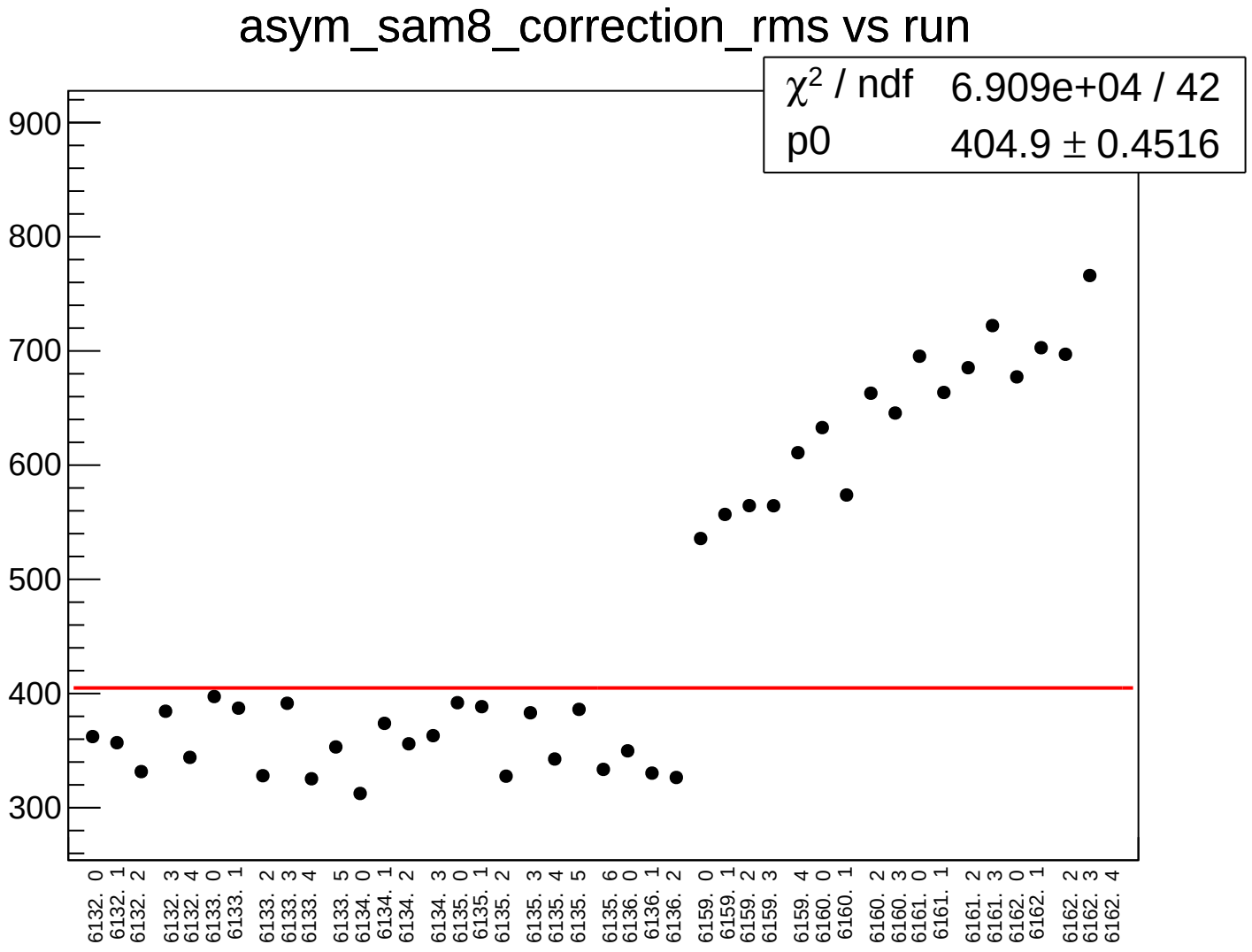

asym_sam7_rms vs run
χ² / ndf 3.763e+04 / 42
p0 460.9 ± 0.5043
800
700
600
500
400
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

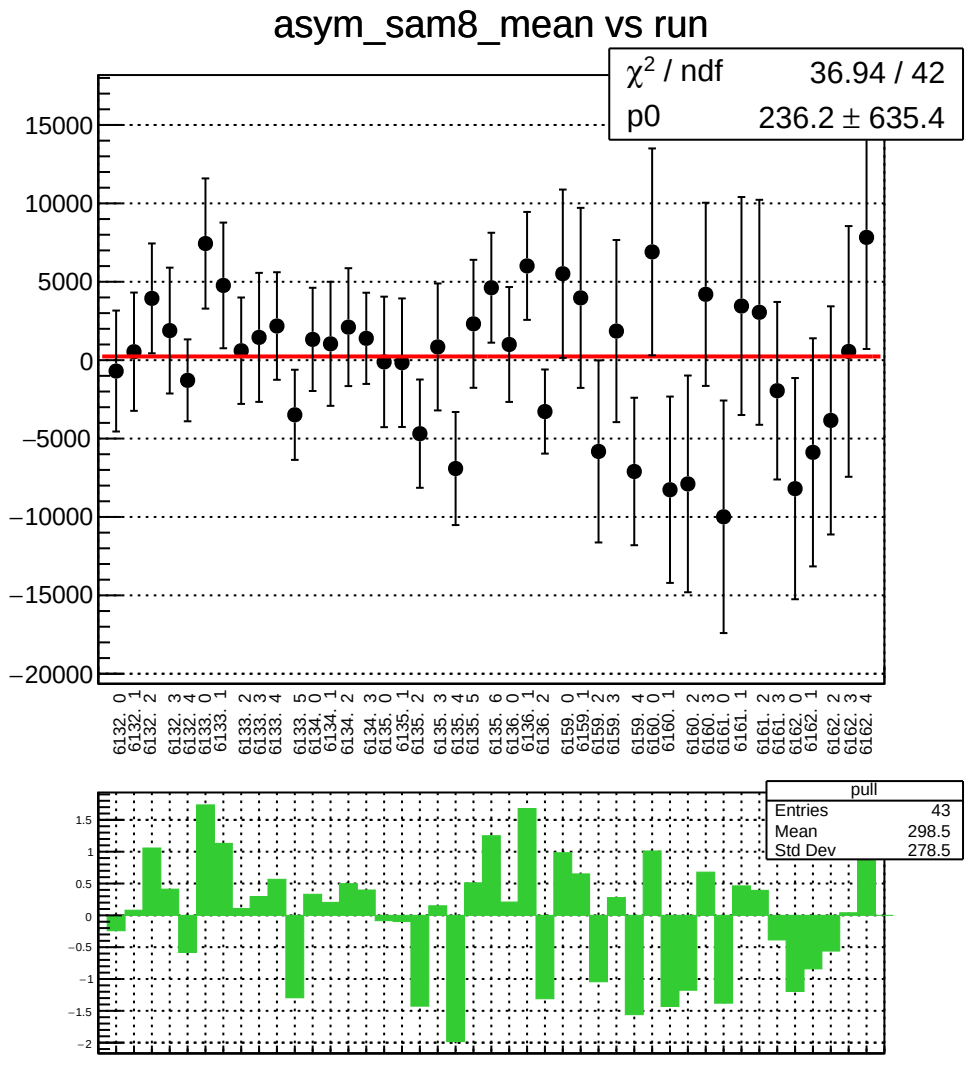

dit_asym_sam8_mean vs run
χ² / ndf 49.98 / 42
p0 258.8 ± 95.36
2000
1000
0
−1000
−2000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −1935
Std Dev 1956
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

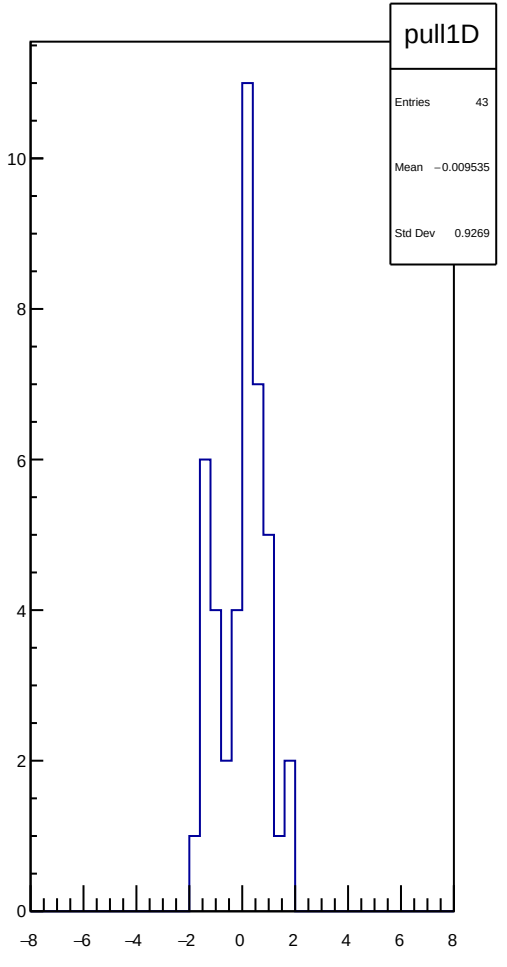

pull1D
Entries 43
Mean −0.002452
Std Dev 1.078
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

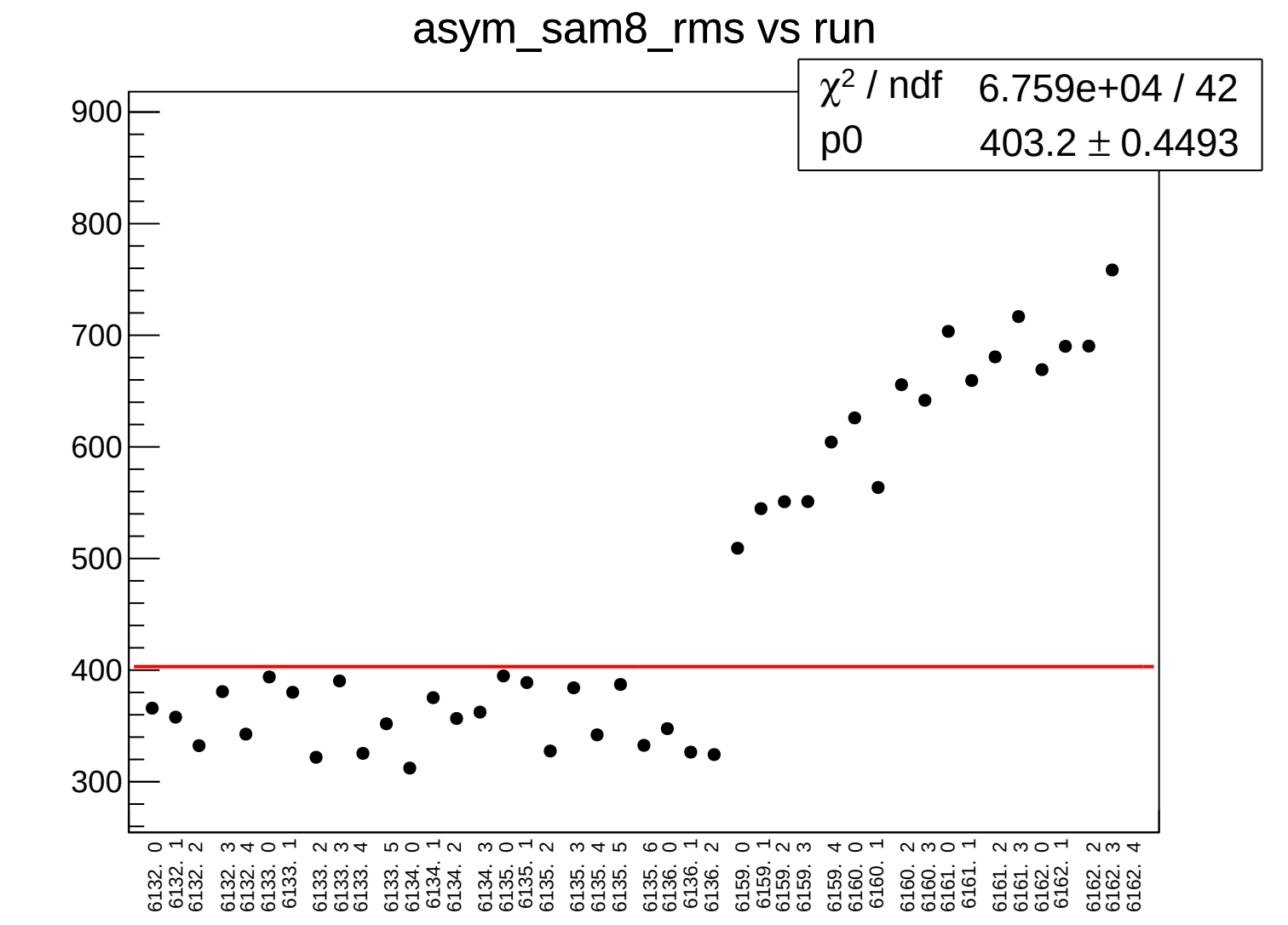

dit_asym_sam8_rms vs run
χ² / ndf 236.6 / 42
p0 62.99 ± 0.06743
69
68
67
66
65
64
63
62
61
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

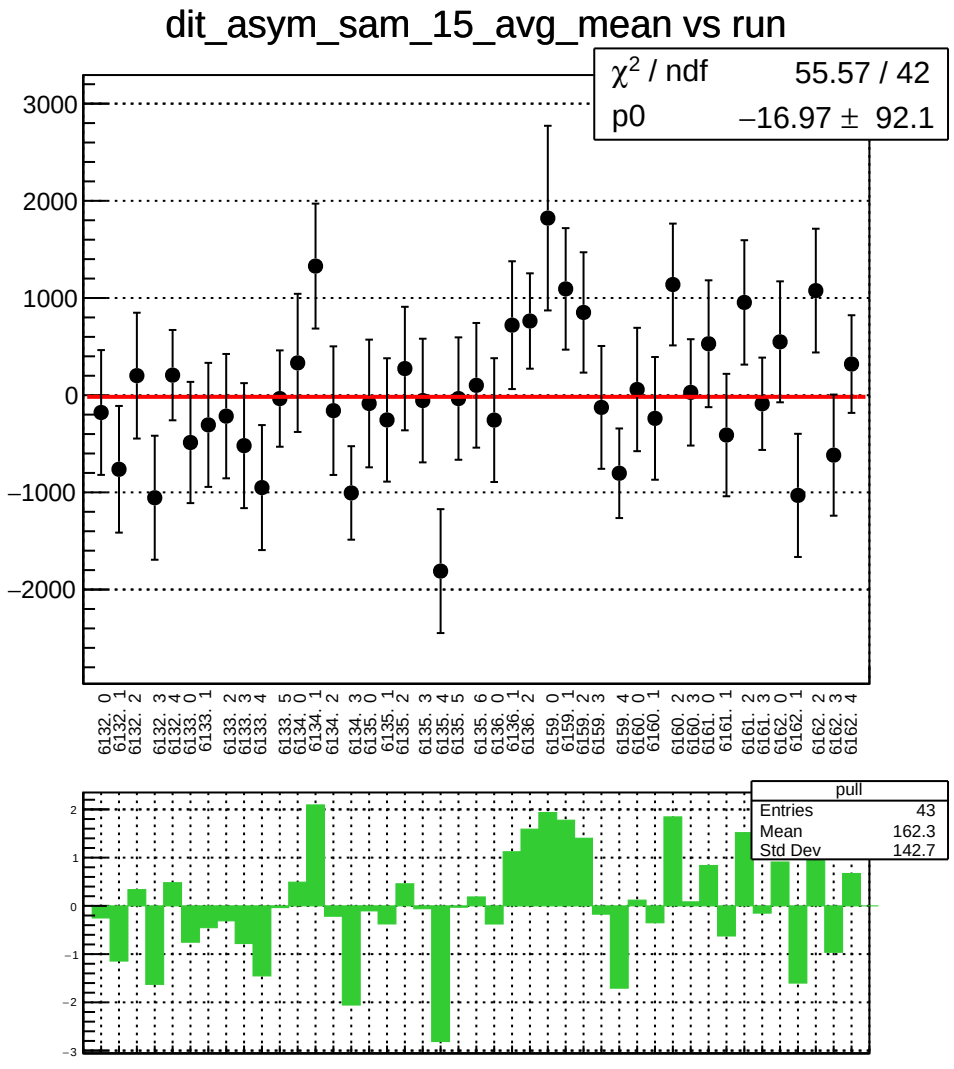

asym_sam8_correction_mean vs run
χ² / ndf 38.56 / 42
p0 −42.59 ± 638.6
20000
15000
10000
5000
0
−5000
−10000
−15000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 244.6
Std Dev 224.5
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.0143
Std Dev 0.9468
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

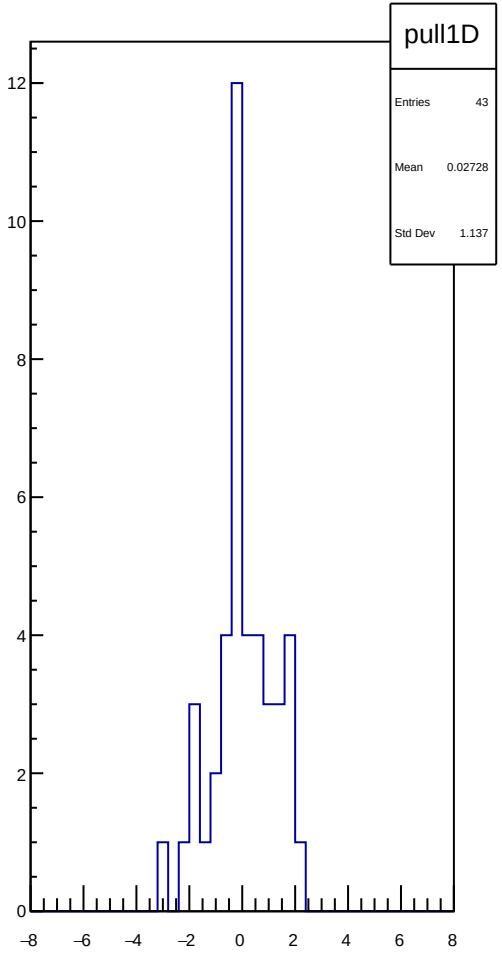

asym_sam8_correction_rms vs run
χ^2 / ndf 6.909e+04 / 42
p0 404.9 ± 0.4516
900
800
700
600
500
400
300
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

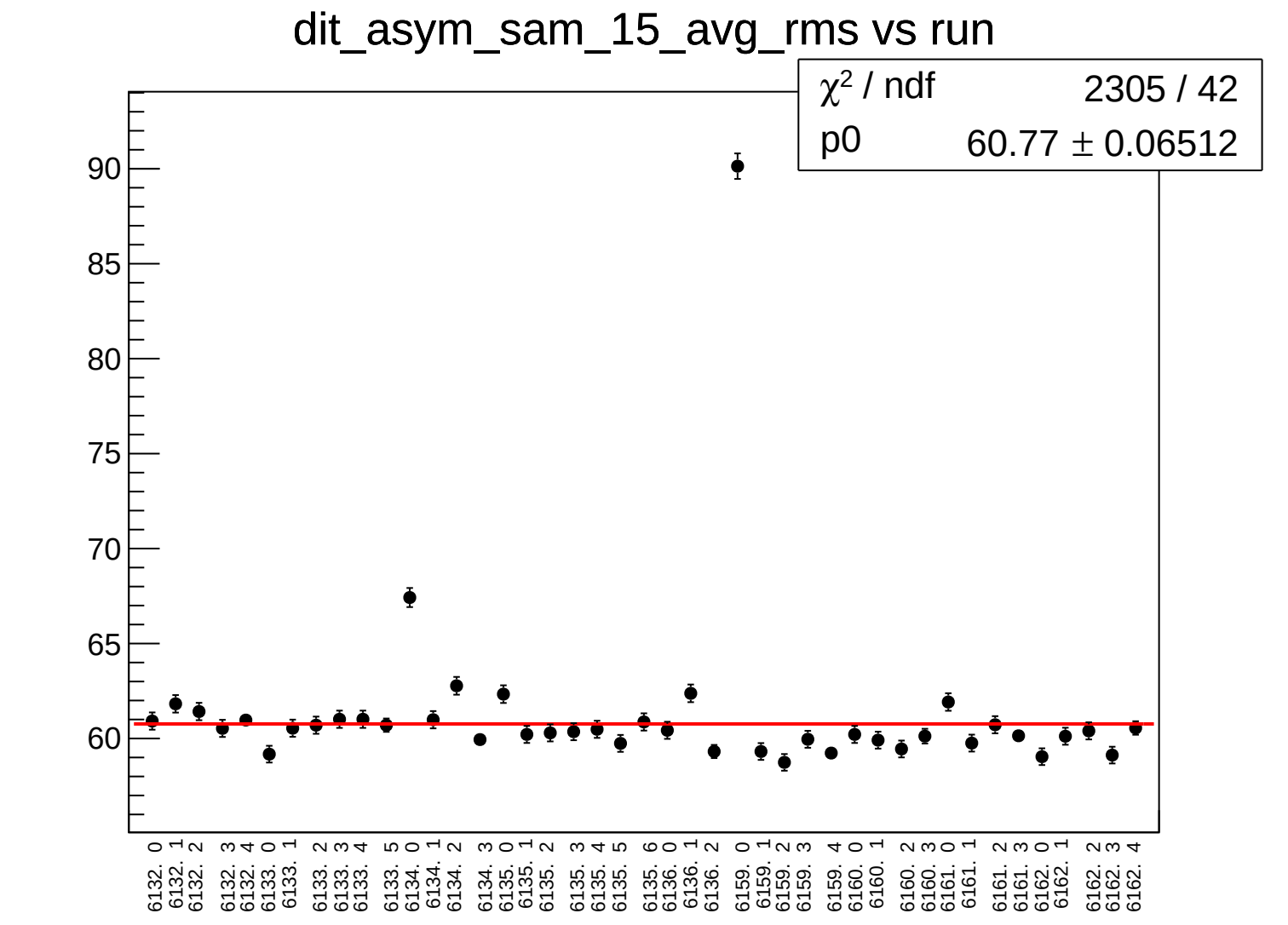

asym_sam8_mean vs run
χ² / ndf 36.94 / 42
p0 236.2 ± 635.4
15000
10000
5000
0
−5000
−10000
−15000
−20000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 298.5
Std Dev 278.5
1.5
1
0.5
0
−0.5
−1
−1.5
−2

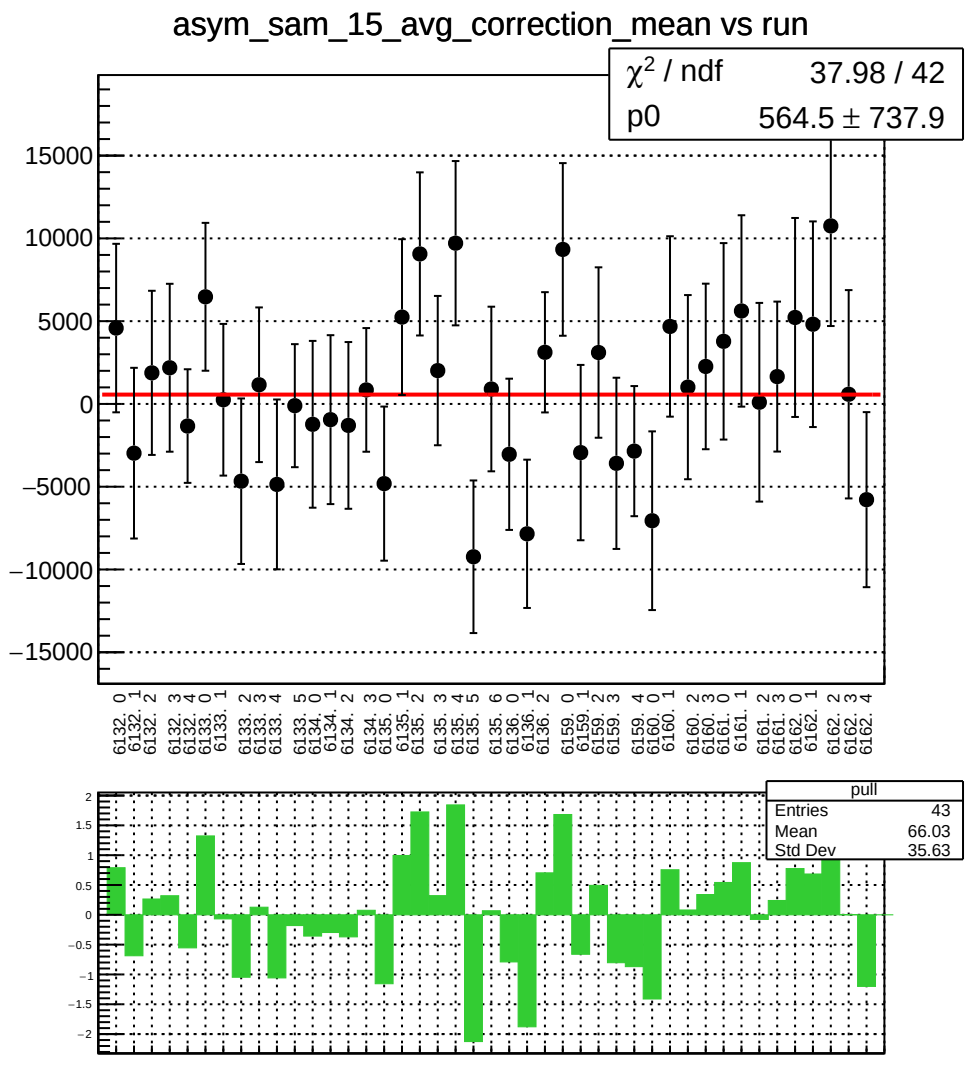

pull1D
Entries 43
Mean −0.009535
Std Dev 0.9269
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

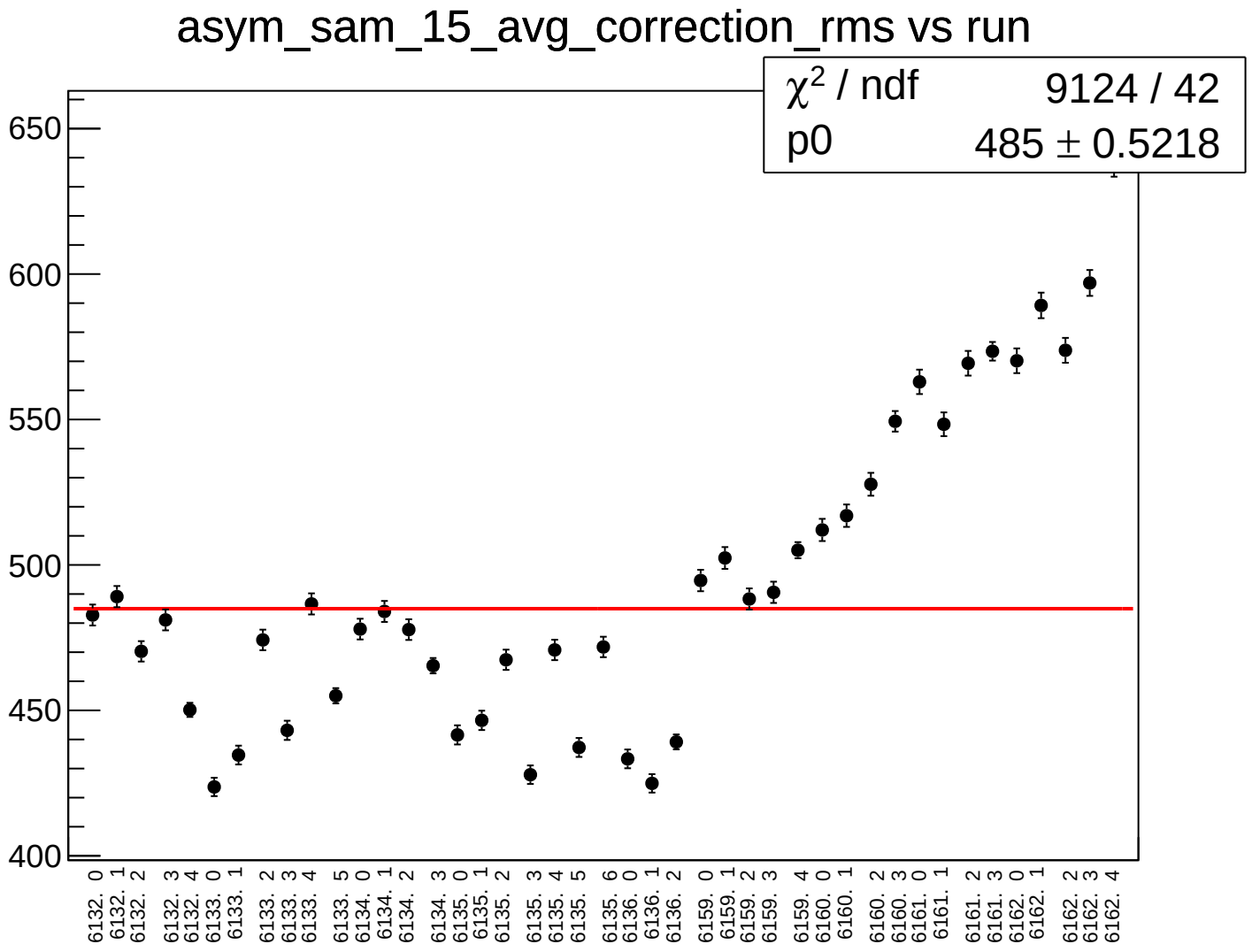

asym_sam8_rms vs run
χ² / ndf 6.759e+04 / 42
p0 403.2 ± 0.4493
900
800
700
600
500
400
300
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

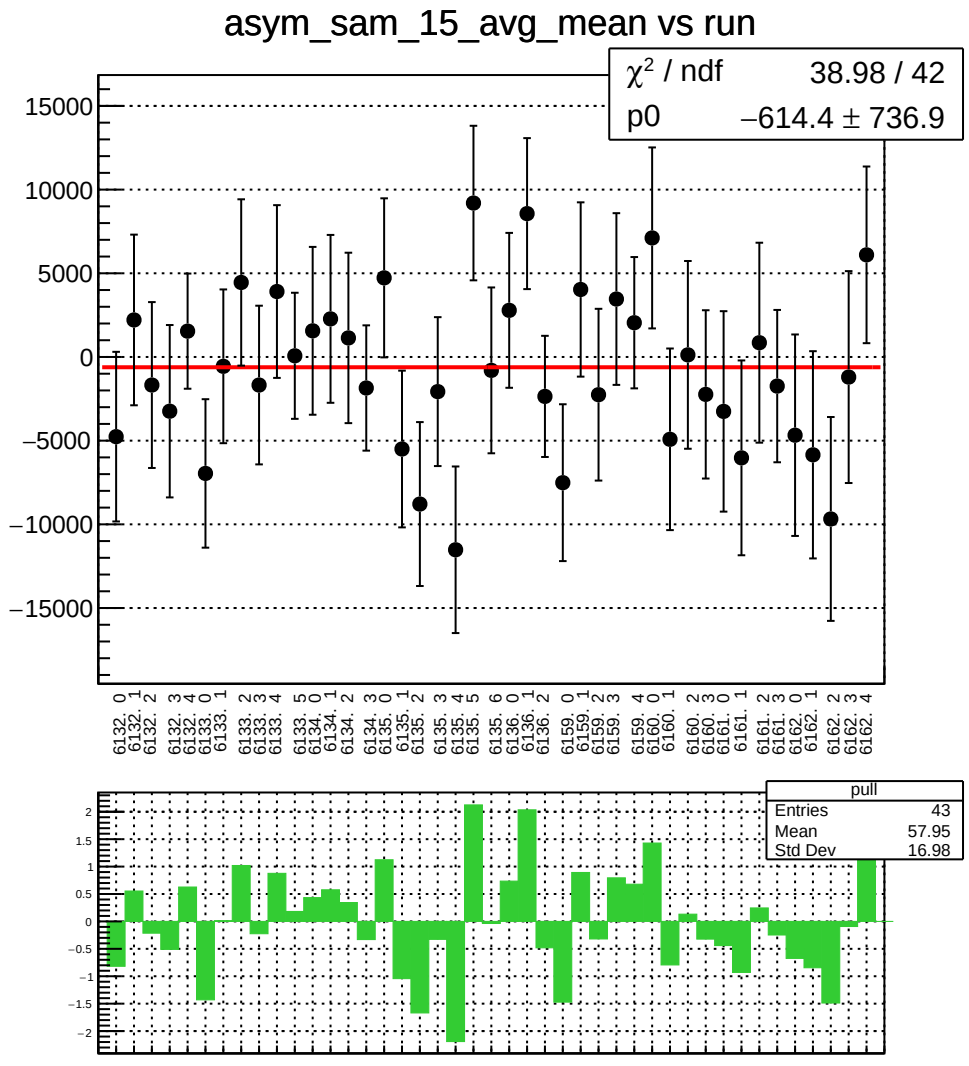

dit_asym_sam_15_avg_mean vs run
χ² / ndf 55.57 / 42
p0 −16.97 ± 92.1
3000
2000
1000
0
−1000
−2000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 162.3
Std Dev 142.7
2
1
0
−1
−2
−3

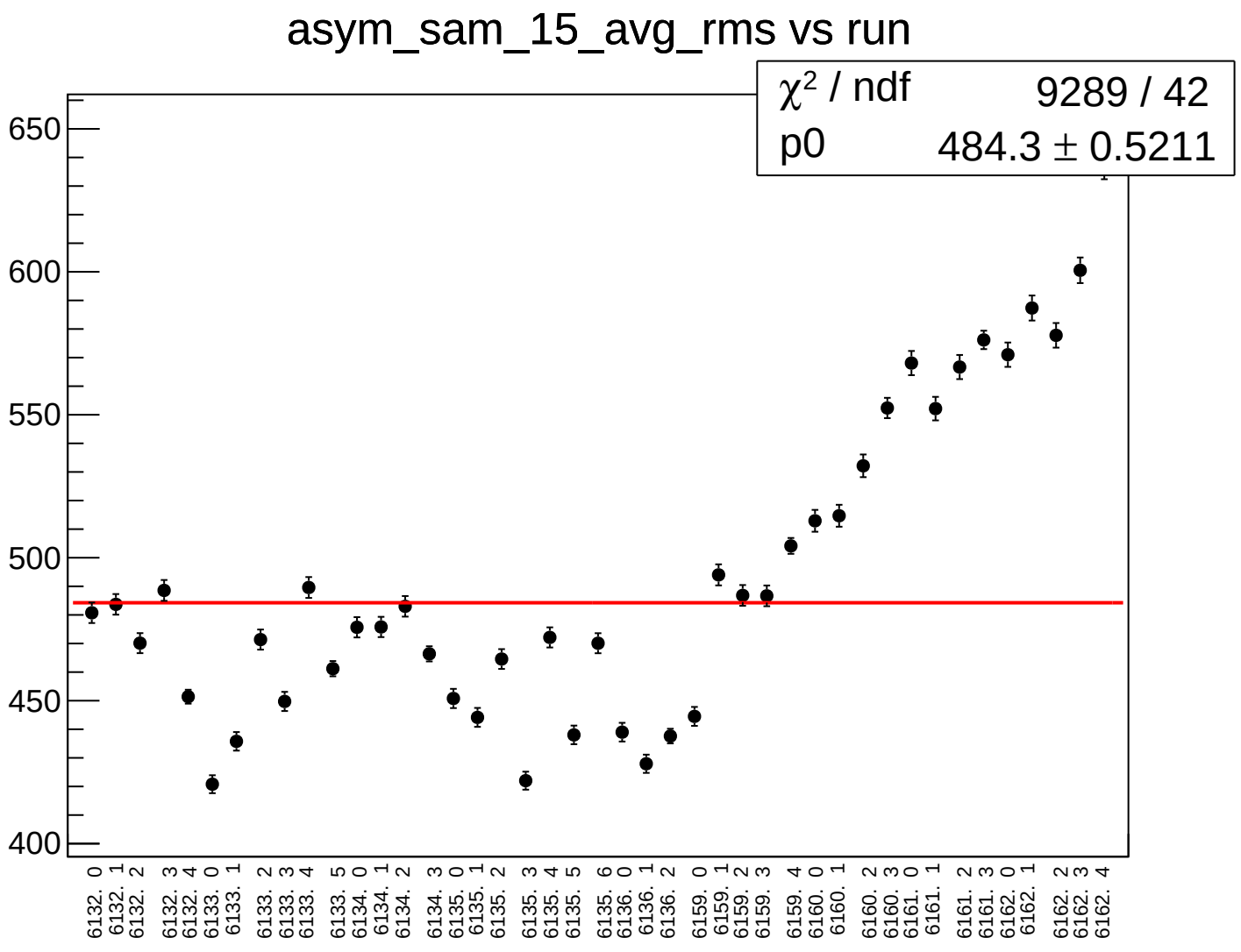

pull1D
Entries 43
Mean 0.02728
Std Dev 1.137
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

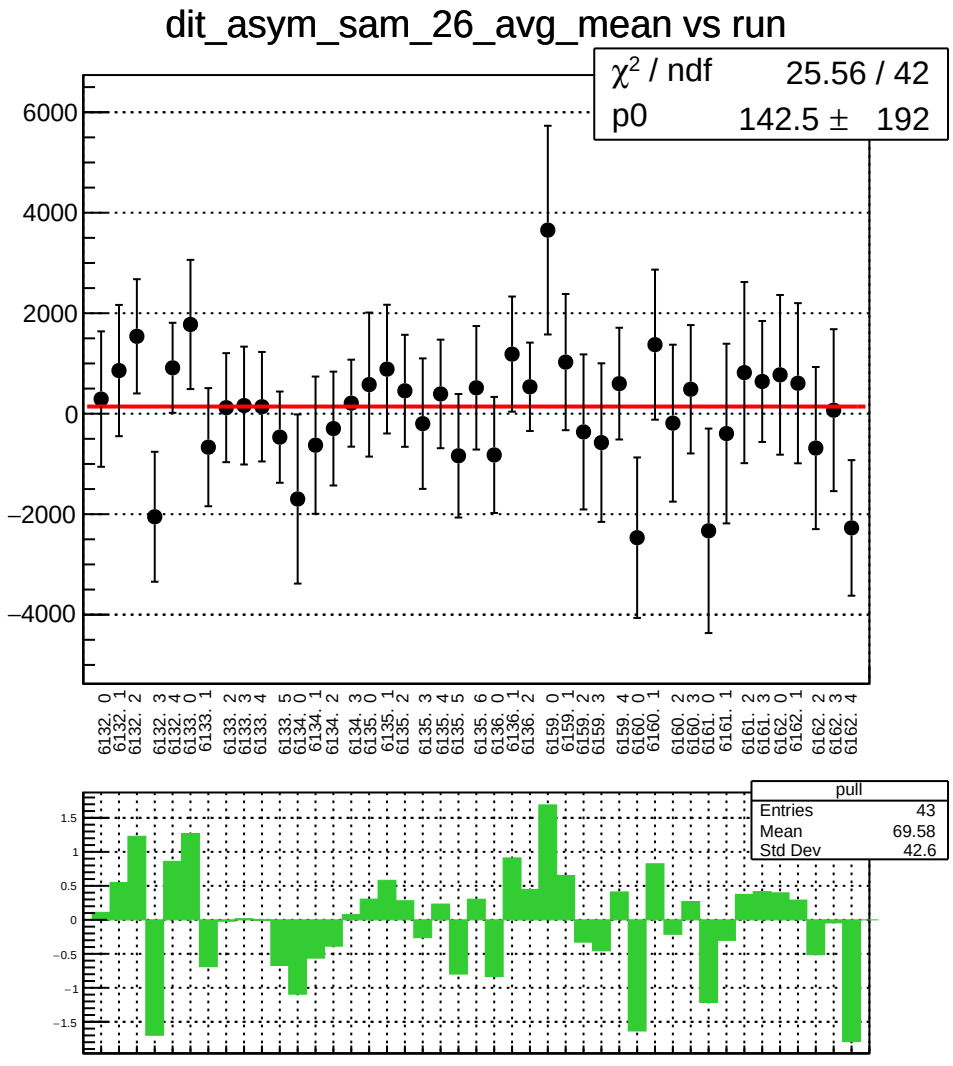

dit_asym_sam_15_avg_rms vs run
χ^2 / ndf 2305 / 42
p0 60.77 ± 0.06512
90
85
80
75
70
65
60
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

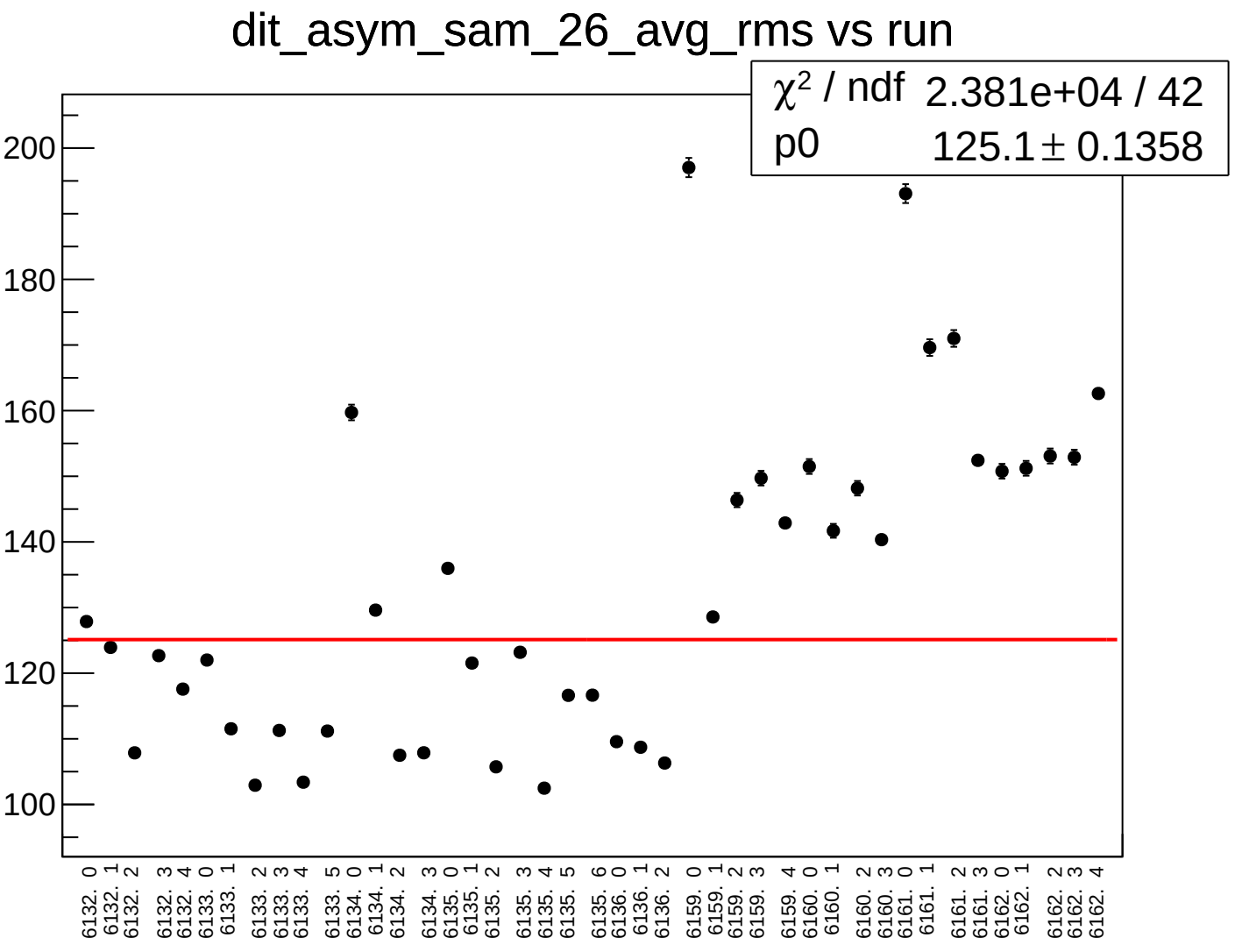

asym_sam_15_avg_correction_mean vs run
χ² / ndf 37.98 / 42
p0 564.5 ± 737.9
15000
10000
5000
0
−5000
−10000
−15000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 66.03
Std Dev 35.63
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.02613
Std Dev 0.9394
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

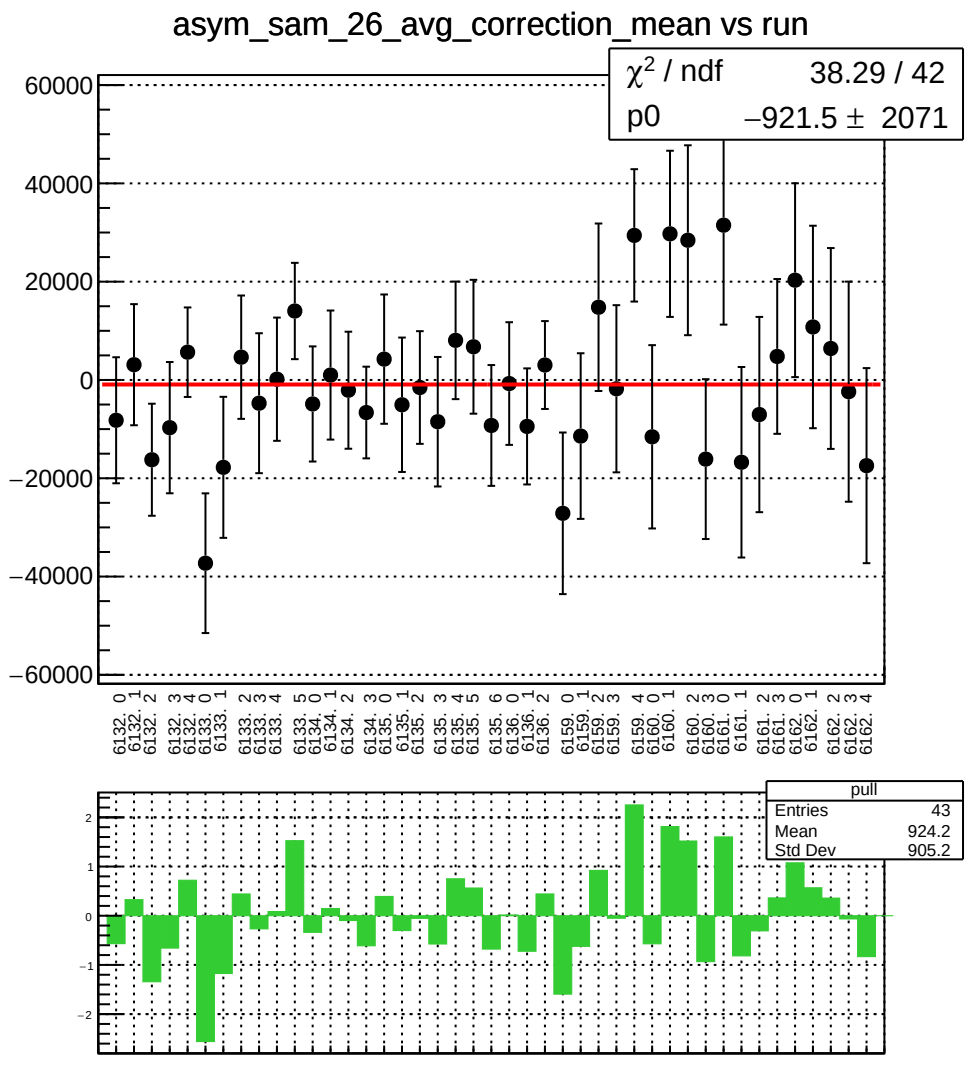

asym_sam_15_avg_correction_rms vs run
χ² / ndf 9124 / 42
p0 485 ± 0.5218
650
600
550
500
450
400
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

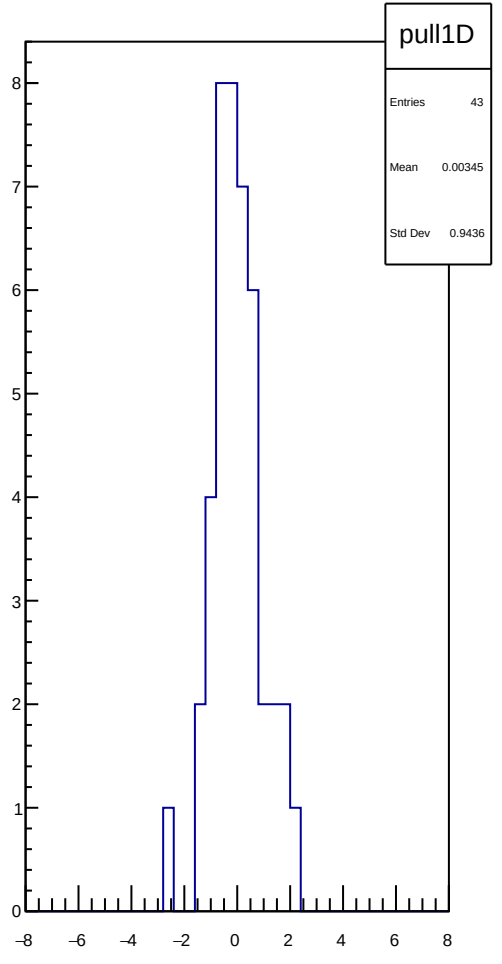

asym_sam_15_avg_mean vs run
χ² / ndf 38.98 / 42
p0 −614.4 ± 736.9
15000
10000
5000
0
−5000
−10000
−15000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 57.95
Std Dev 16.98
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.01892
Std Dev 0.9519
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

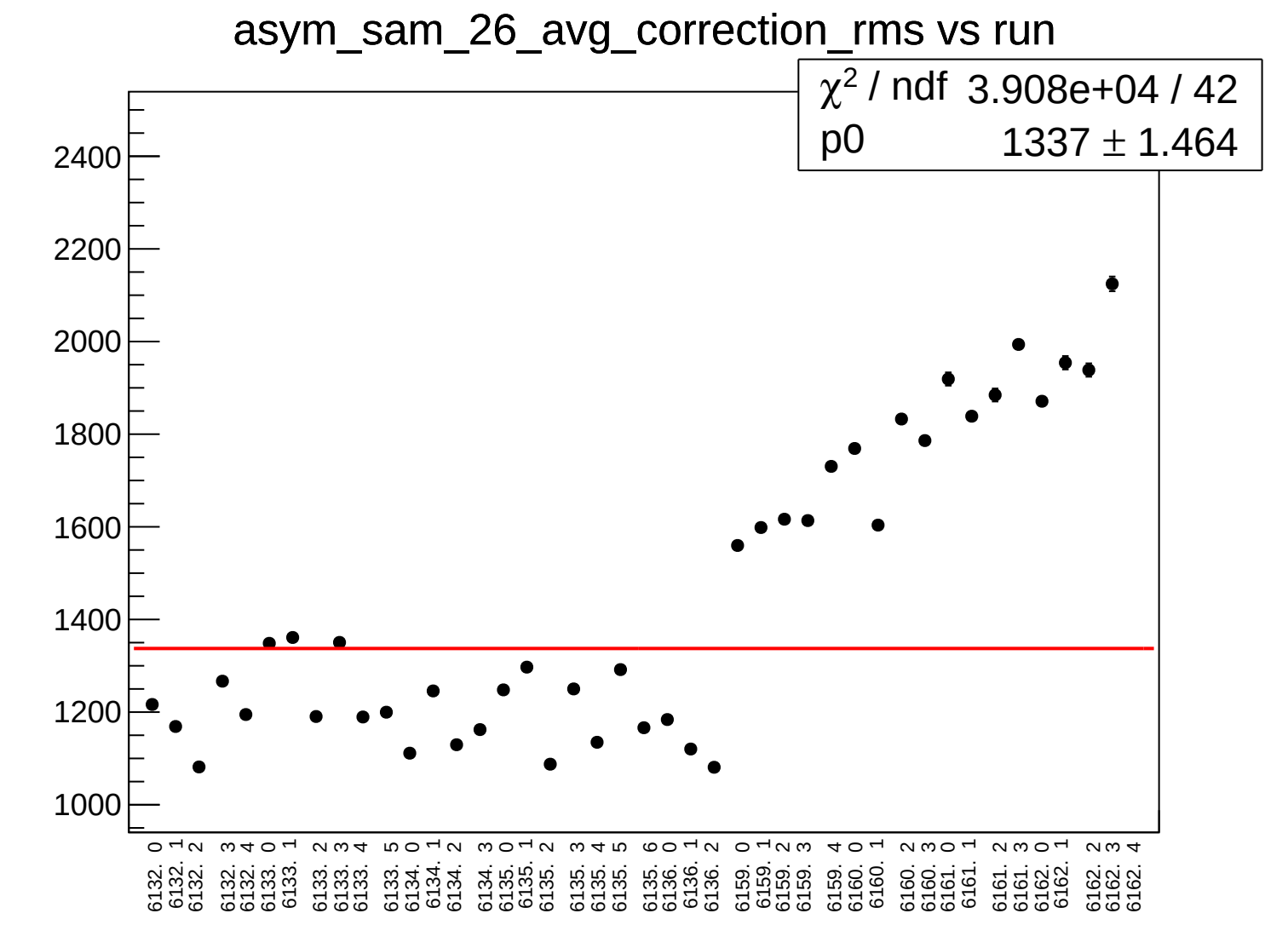

asym_sam_15_avg_rms vs run
χ² / ndf 9289 / 42
p0 484.3 ± 0.5211
650
600
550
500
450
400
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

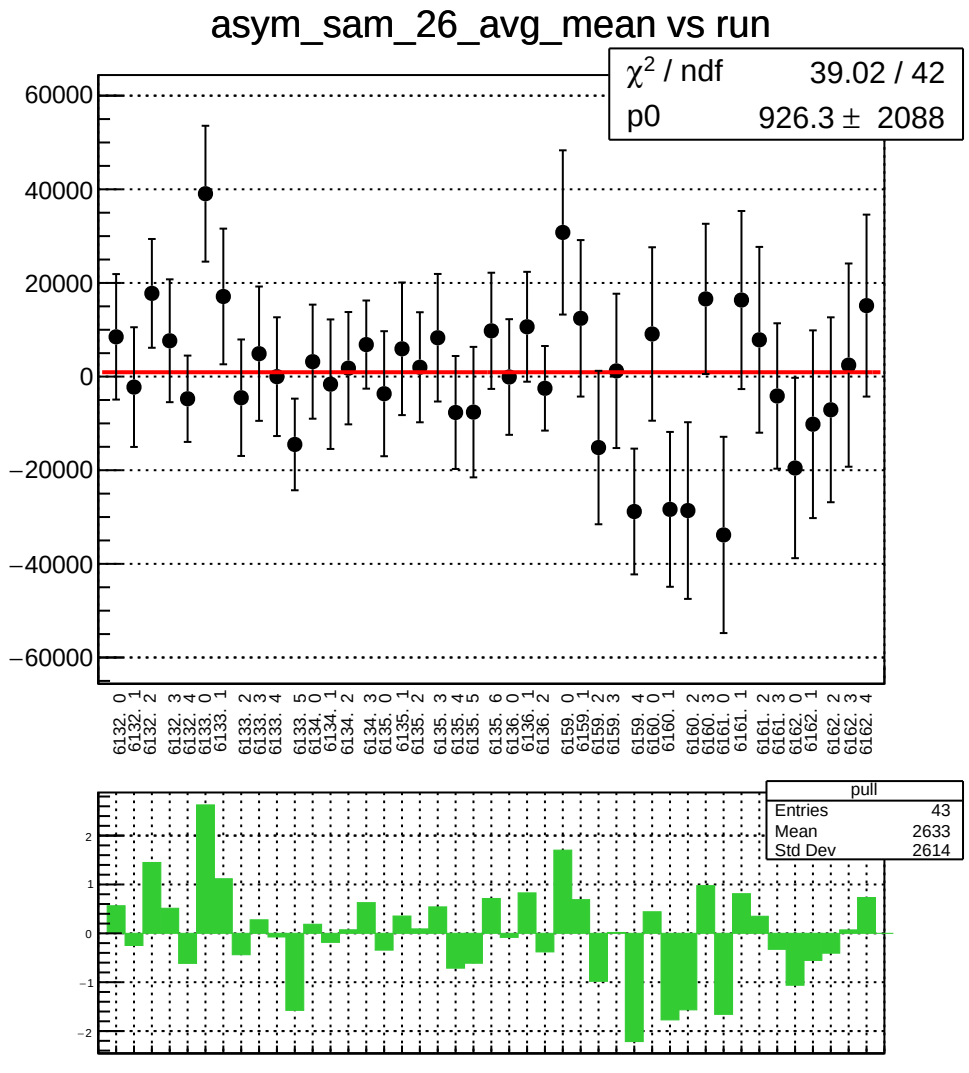

dit_asym_sam_26_avg_mean vs run
χ² / ndf 25.56 / 42
p0 142.5 ± 192
6000
4000
2000
0
−2000
−4000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 69.58
Std Dev 42.6
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.02346
Std Dev 0.7706
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

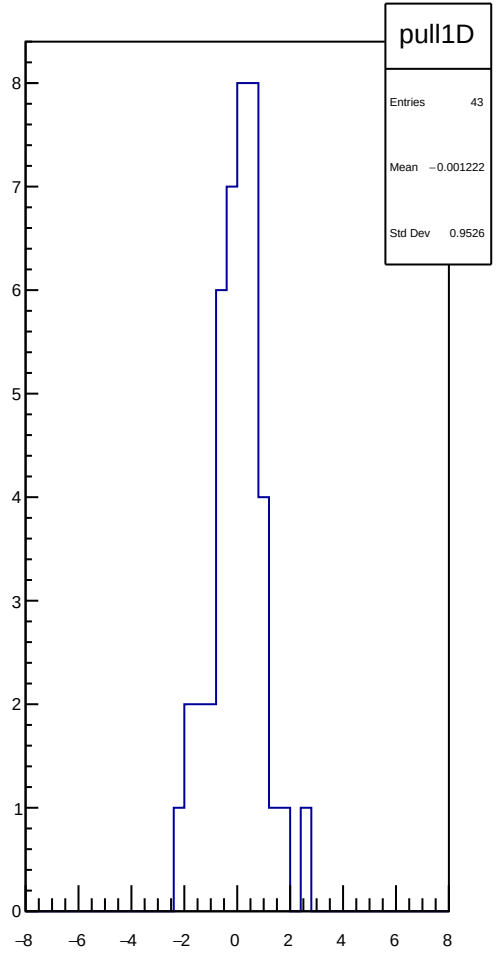

dit_asym_sam_26_avg_rms vs run
χ² / ndf 2.381e+04 / 42
p0 125.1 ± 0.1358
200
180
160
140
120
100
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

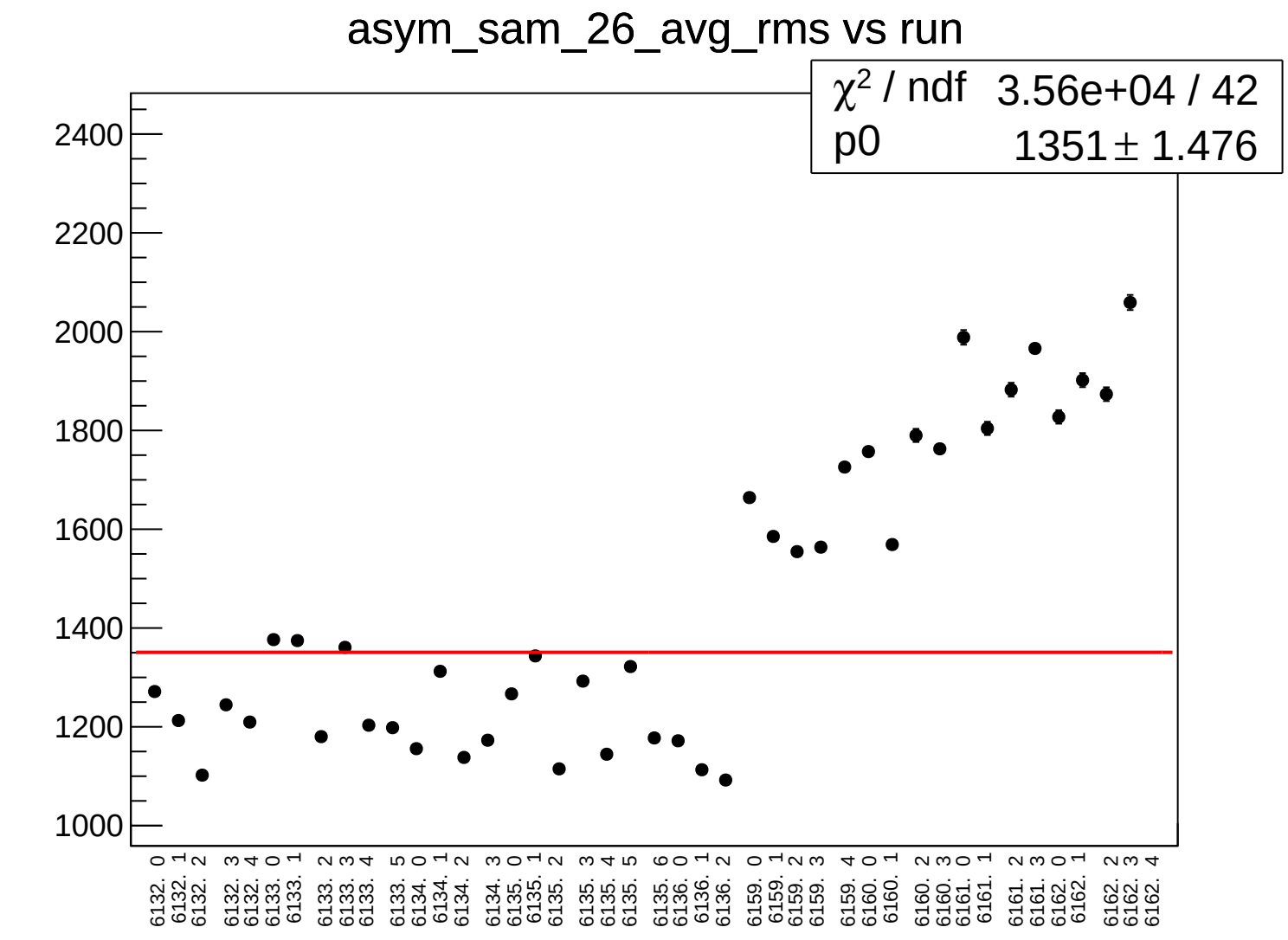

asym_sam_26_avg_correction_mean vs run
χ² / ndf 38.29 / 42
p0 −921.5 ± 2071
60000
40000
20000
0
−20000
−40000
−60000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 924.2
Std Dev 905.2
2
1
0
−1
−2

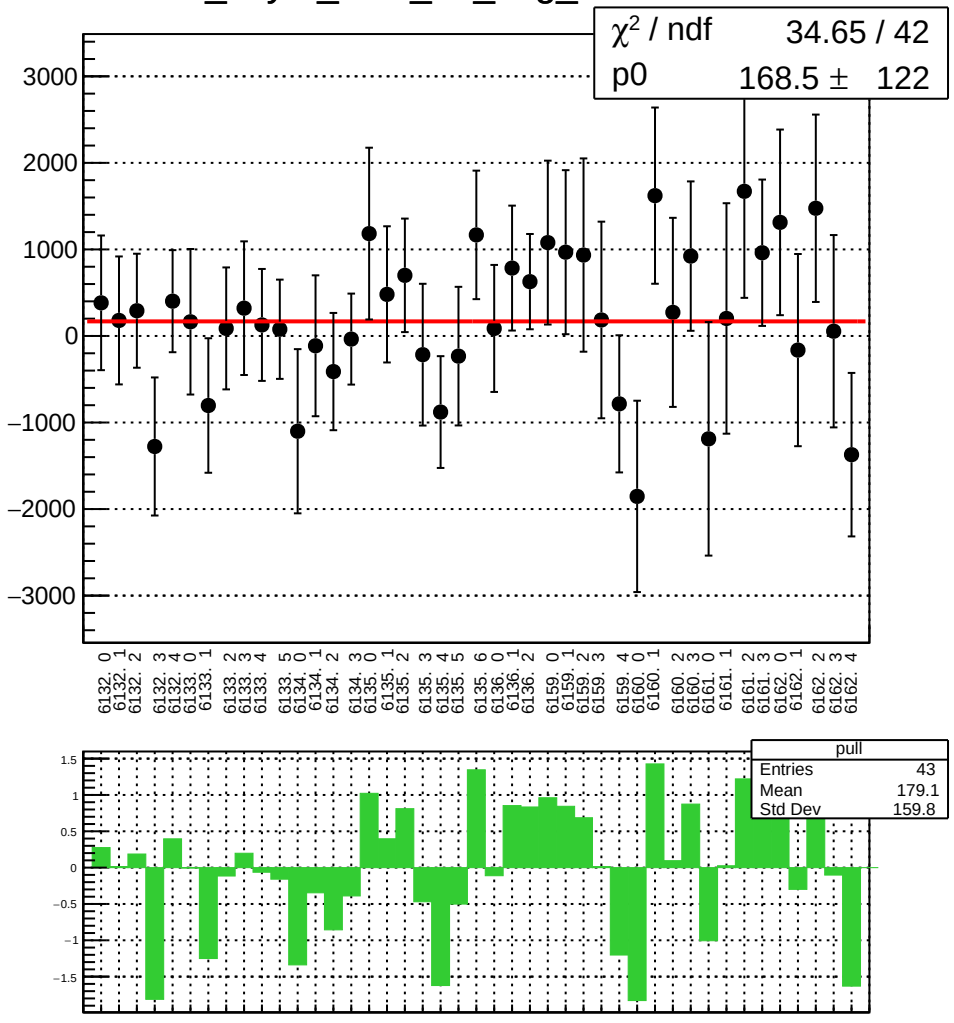

pull1D
Entries 43
Mean 0.00345
Std Dev 0.9436
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

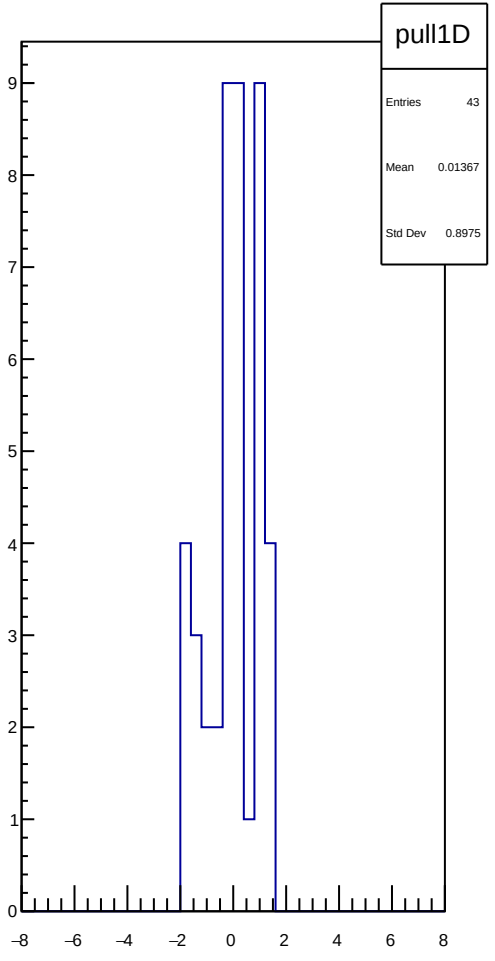

asym_sam_26_avg_correction_rms vs run
χ² / ndf 3.908e+04 / 42
p0 1337 ± 1.464
2400
2200
2000
1800
1600
1400
1200
1000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

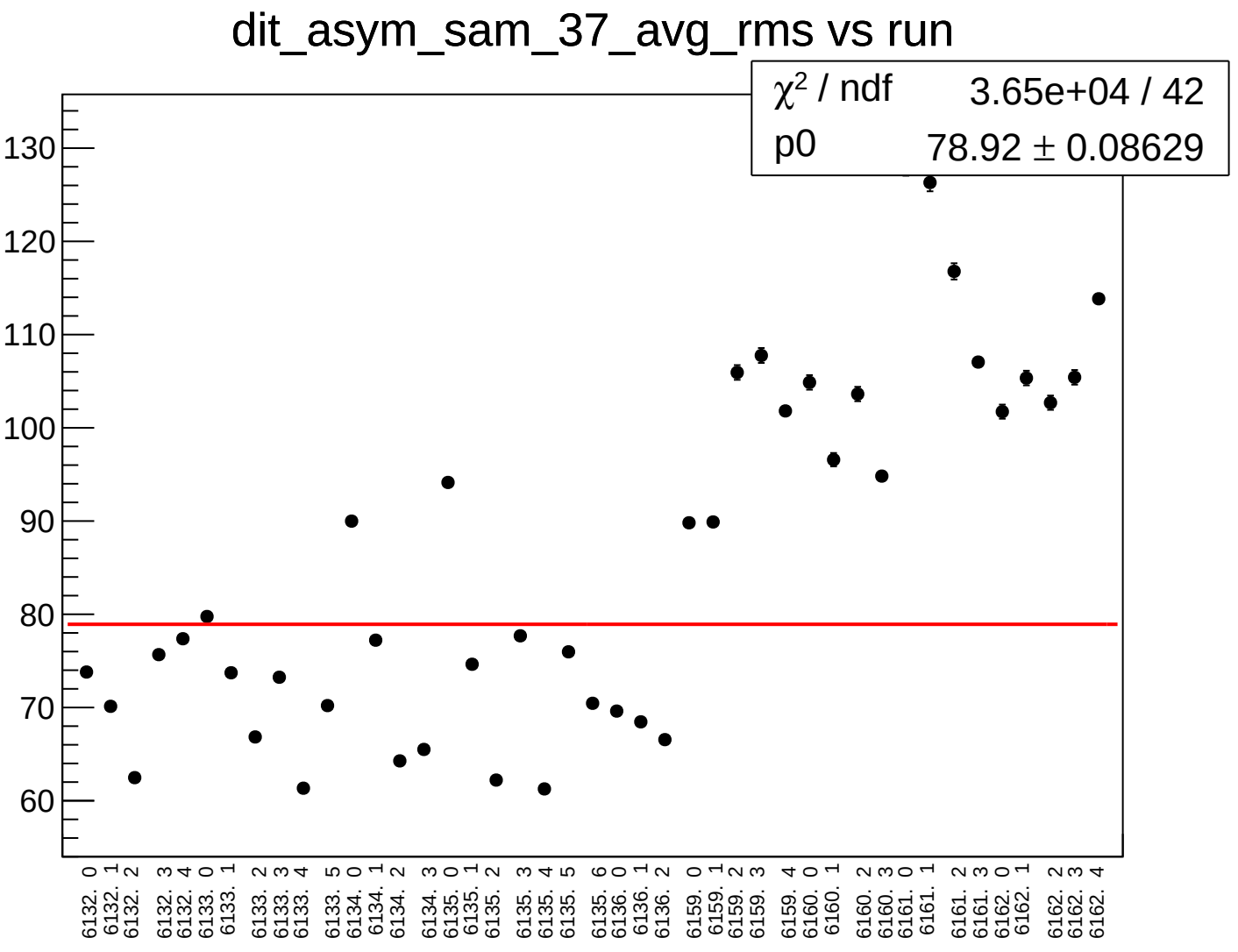

asym_sam_26_avg_mean vs run
χ² / ndf 39.02 / 42
p0 926.3 ± 2088
60000
40000
20000
0
−20000
−40000
−60000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 2633
Std Dev 2614
2
1
0
−1
−2

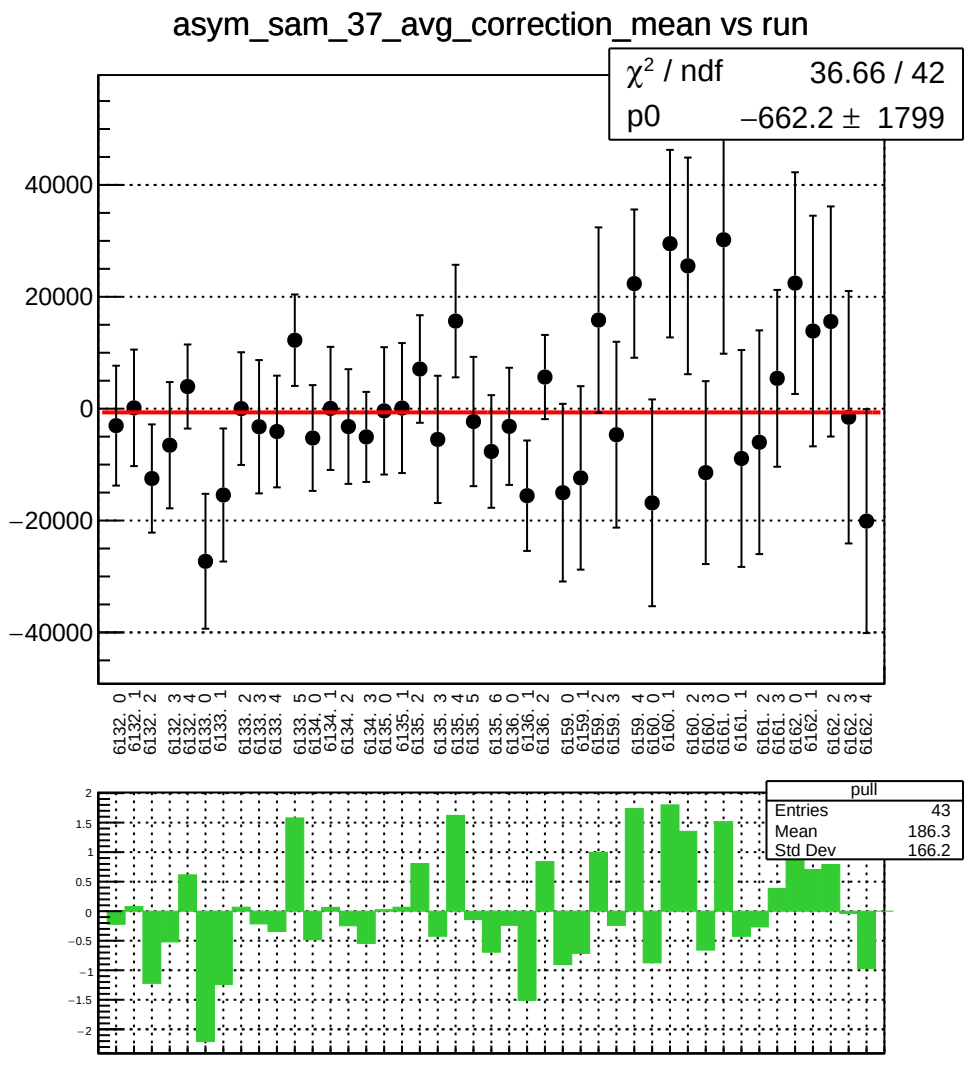

pull1D
Entries 43
Mean −0.001222
Std Dev 0.9526
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

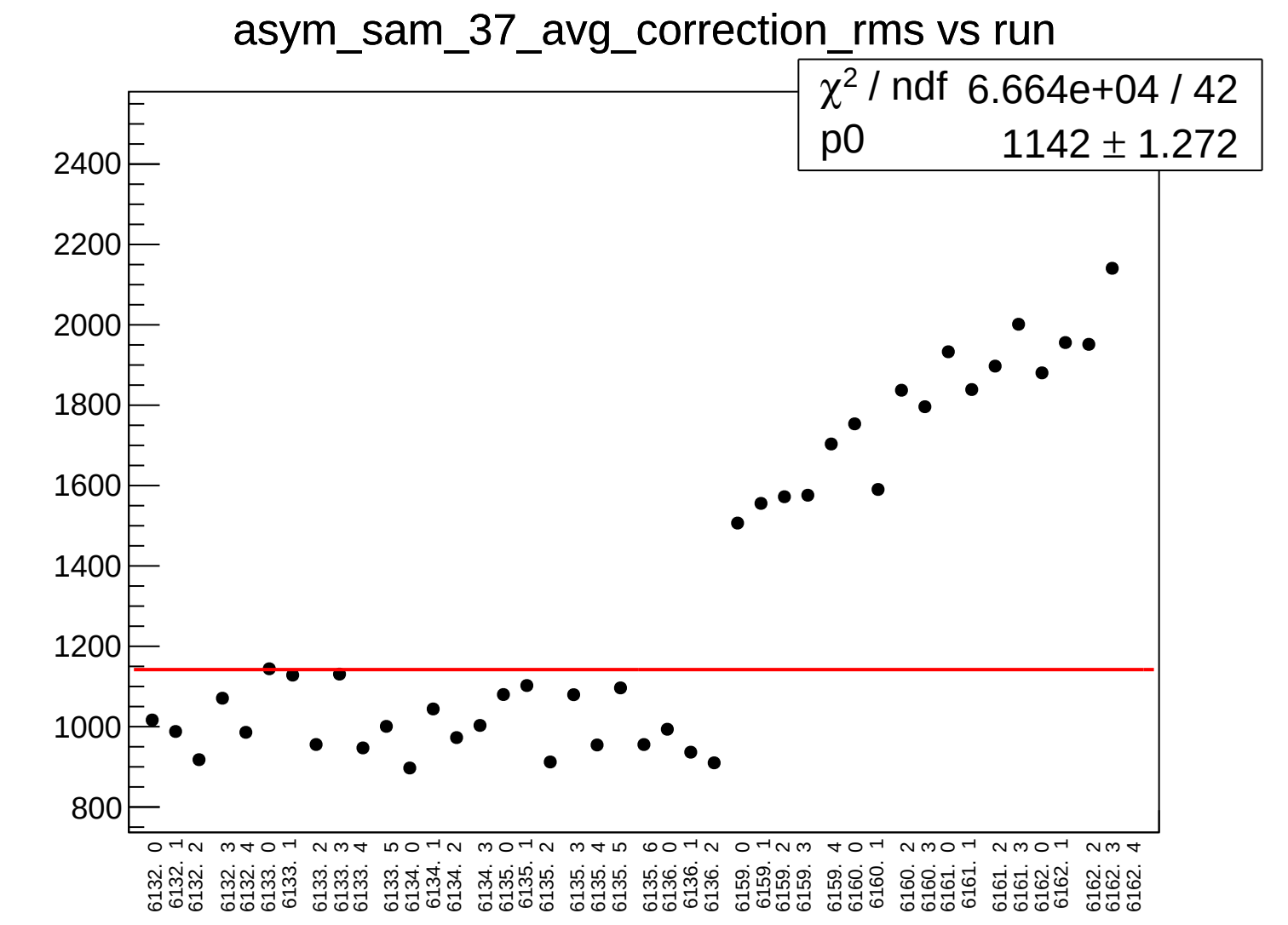

asym_sam_26_avg_rms vs run
χ² / ndf 3.56e+04 / 42
p0 1351 ± 1.476
2400
2200
2000
1800
1600
1400
1200
1000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

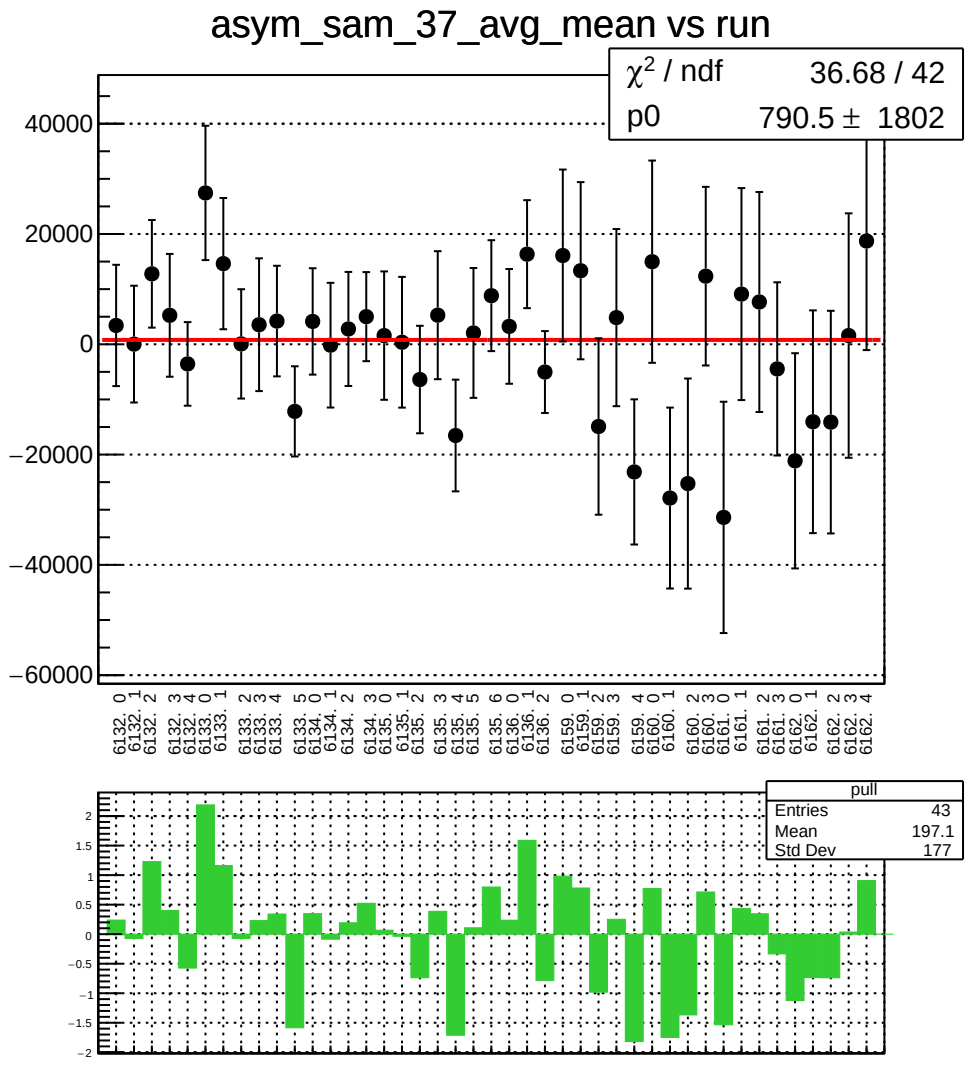

dit_asym_sam_37_avg_mean vs run
χ² / ndf 34.65 / 42
p0 168.5 ± 122
3000
2000
1000
0
−1000
−2000
−3000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 179.1
Std Dev 159.8
1.5
1
0.5
0
−0.5
−1
−1.5

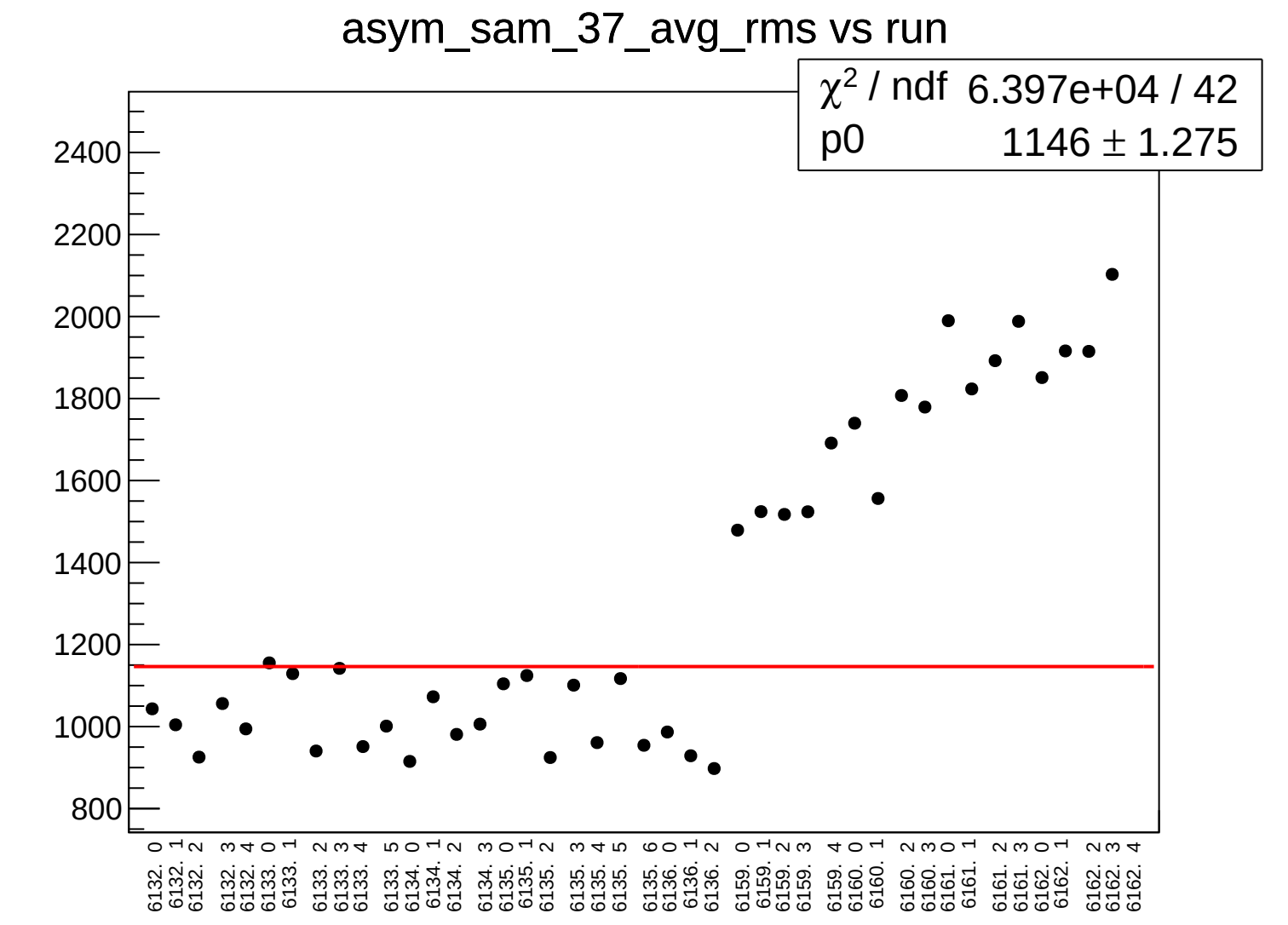

pull1D
Entries 43
Mean 0.01367
Std Dev 0.8975
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

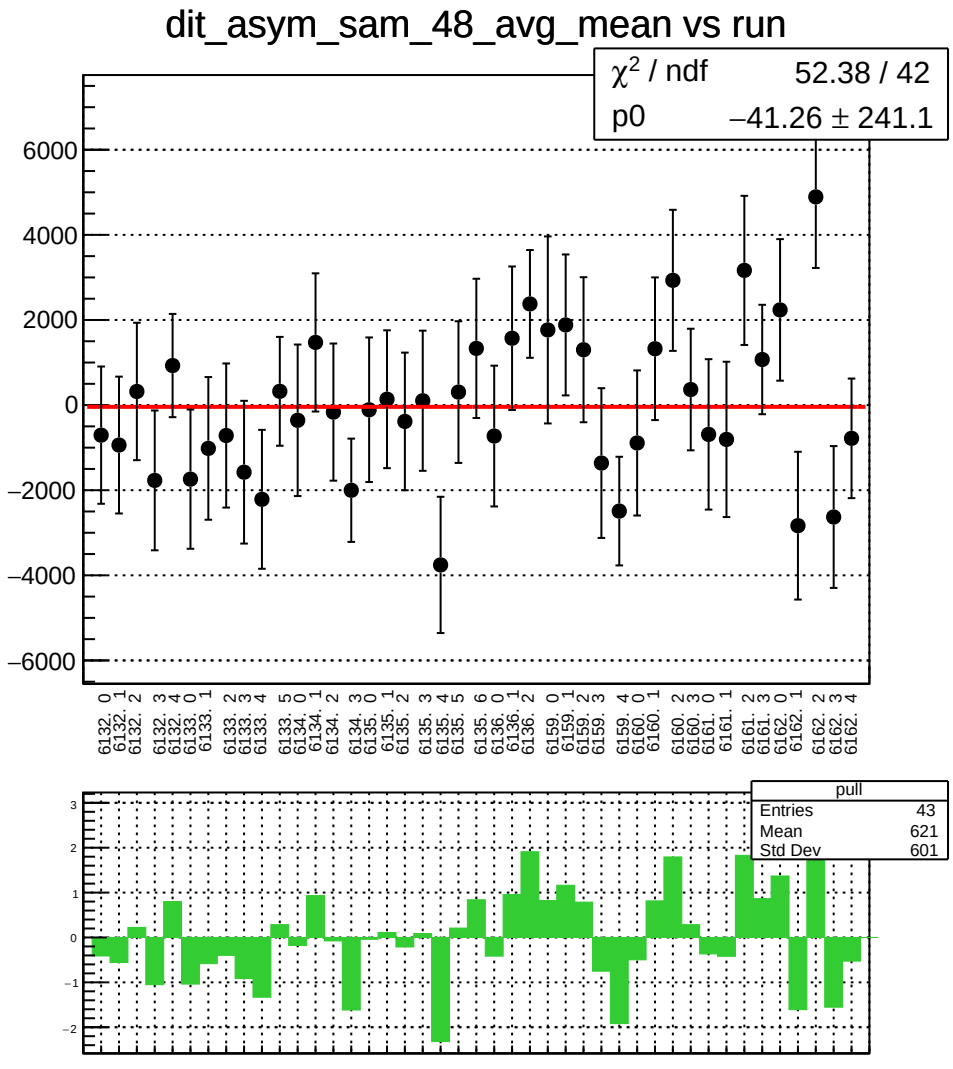

dit_asym_sam_37_avg_rms vs run
χ² / ndf 3.65e+04 / 42
p0 78.92 ± 0.08629
130
120
110
100
90
80
70
60
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

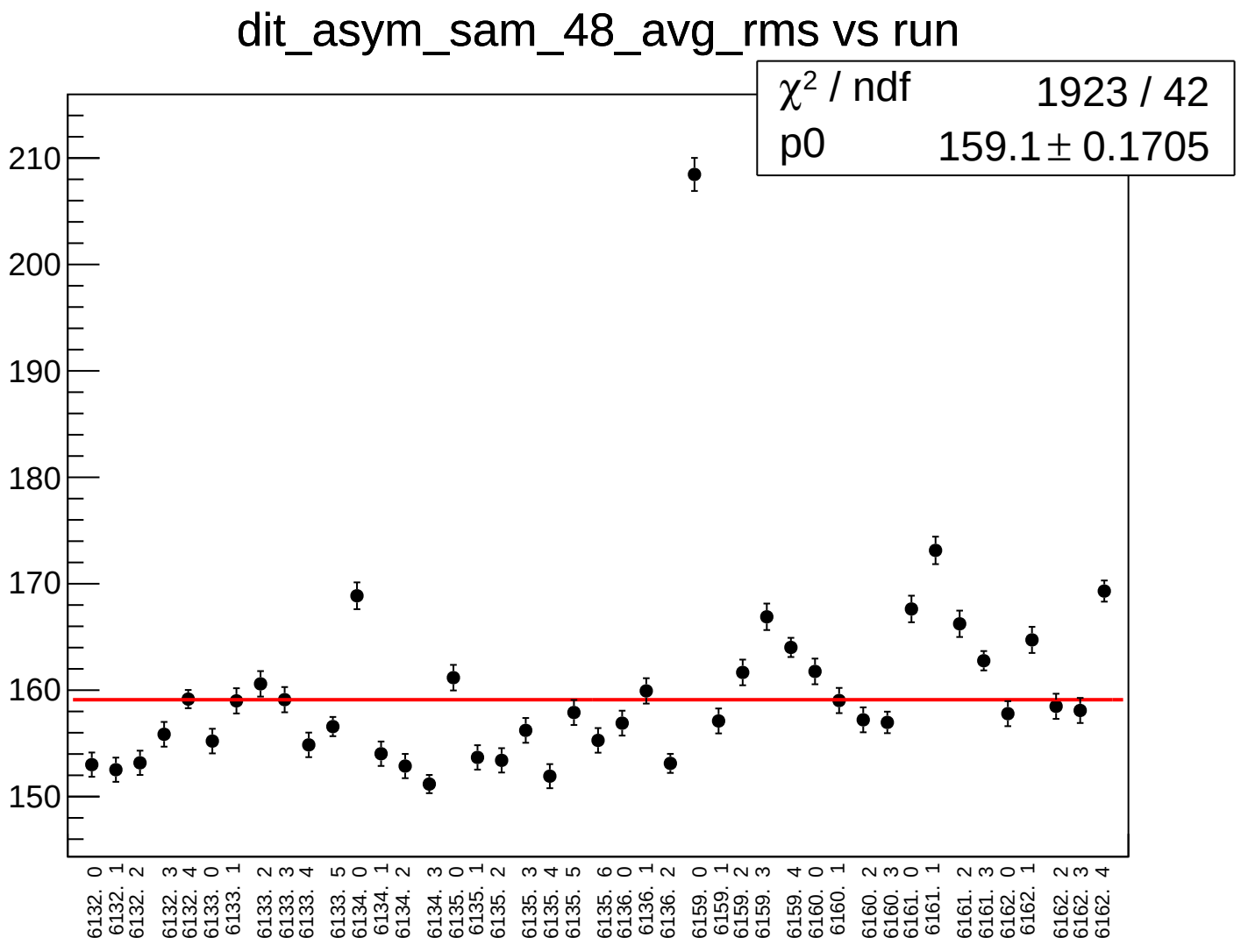

asym_sam_37_avg_correction_mean vs run
χ² / ndf 36.66 / 42
p0 −662.2 ± 1799
40000
20000
0
−20000
−40000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 186.3
Std Dev 166.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.02003
Std Dev 0.9231
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

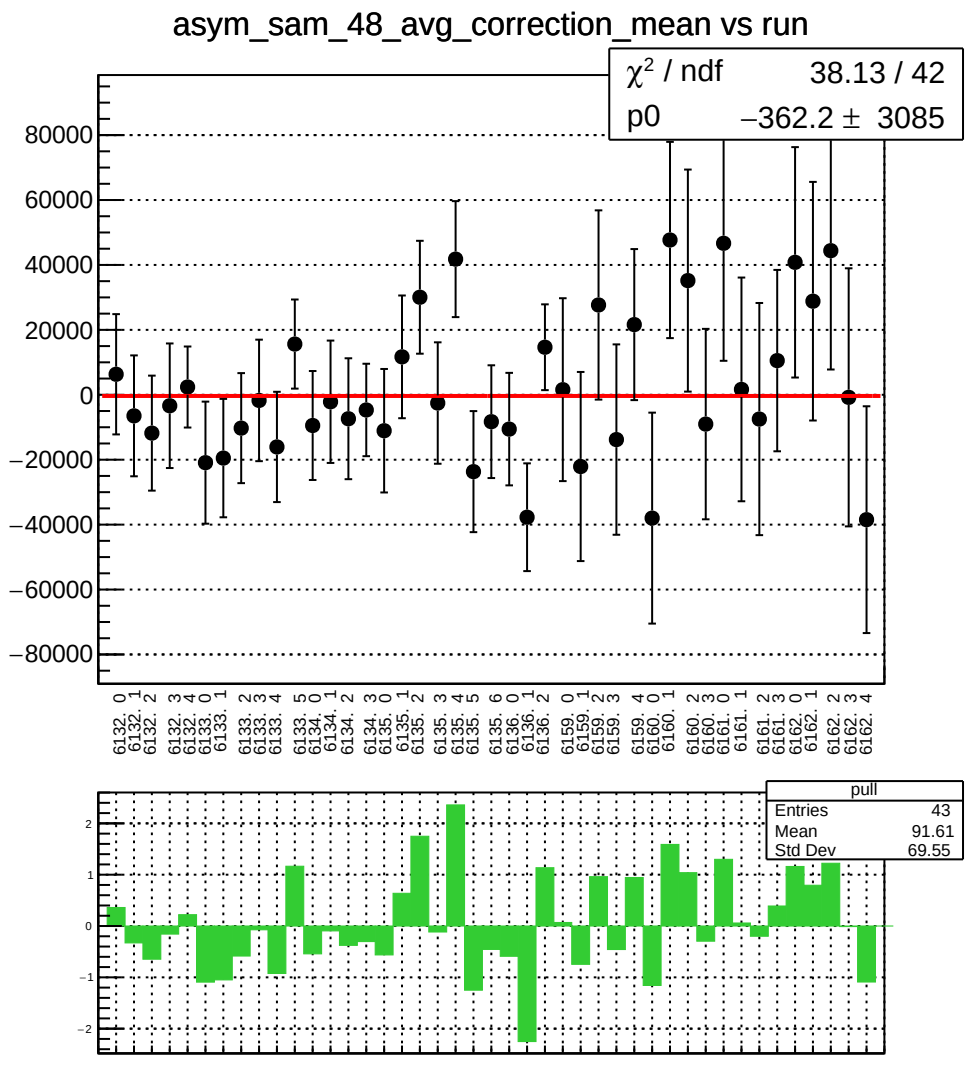

asym_sam_37_avg_correction_rms vs run
χ² / ndf 6.664e+04 / 42
p0 1142 ± 1.272
2400
2200
2000
1800
1600
1400
1200
1000
800
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

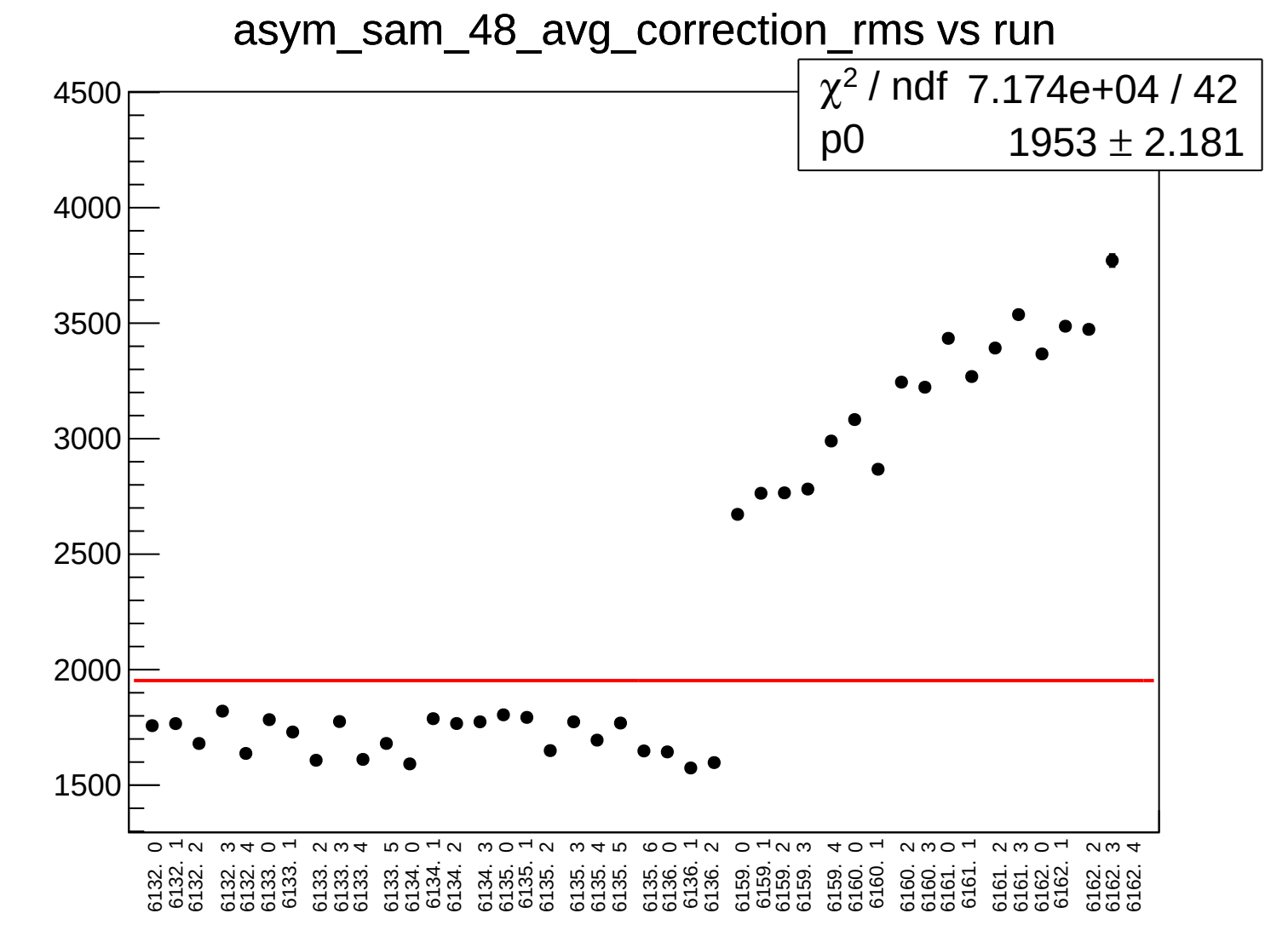

asym_sam_37_avg_mean vs run
χ² / ndf 36.68 / 42
p0 790.5 ± 1802
40000
20000
0
−20000
−40000
−60000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 197.1
Std Dev 177
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.018
Std Dev 0.9234
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

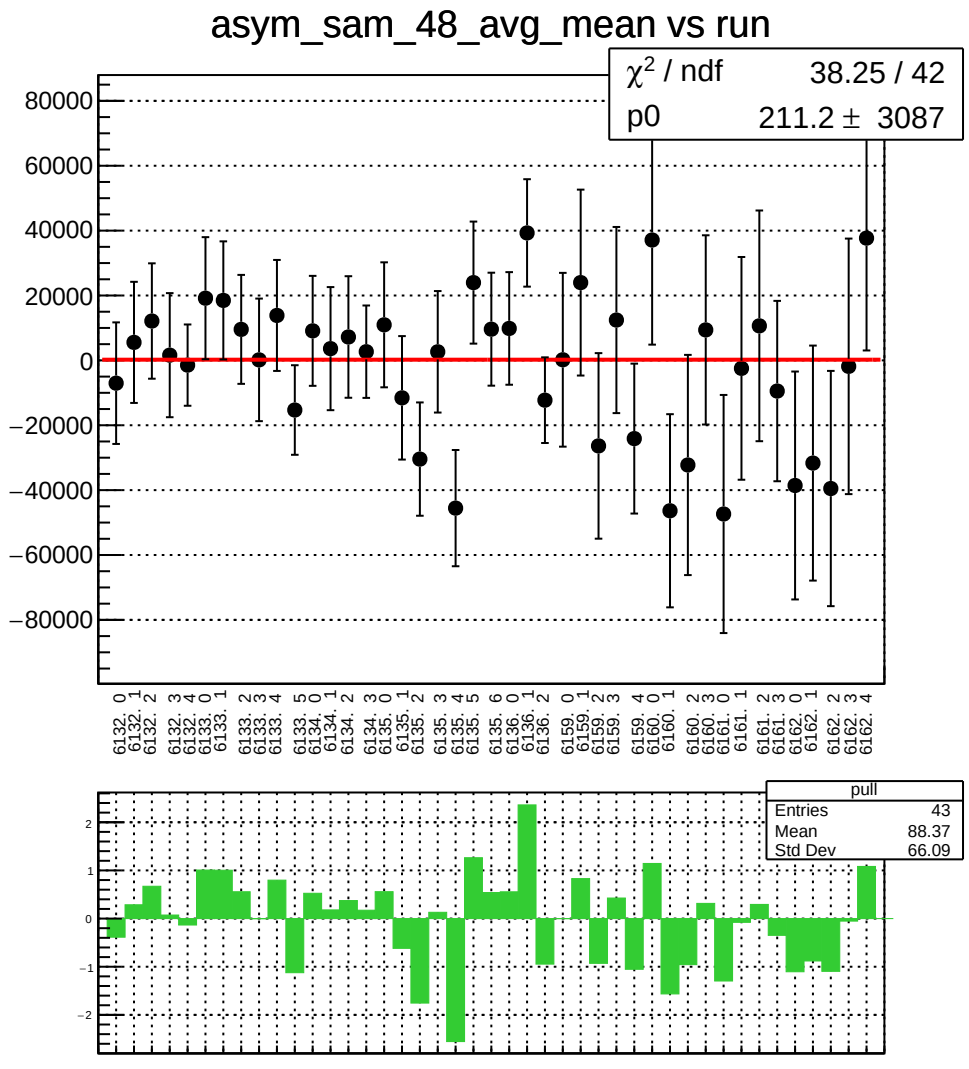

asym_sam_37_avg_rms vs run
χ² / ndf 6.397e+04 / 42
p0 1146 ± 1.275
2400
2200
2000
1800
1600
1400
1200
1000
800
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

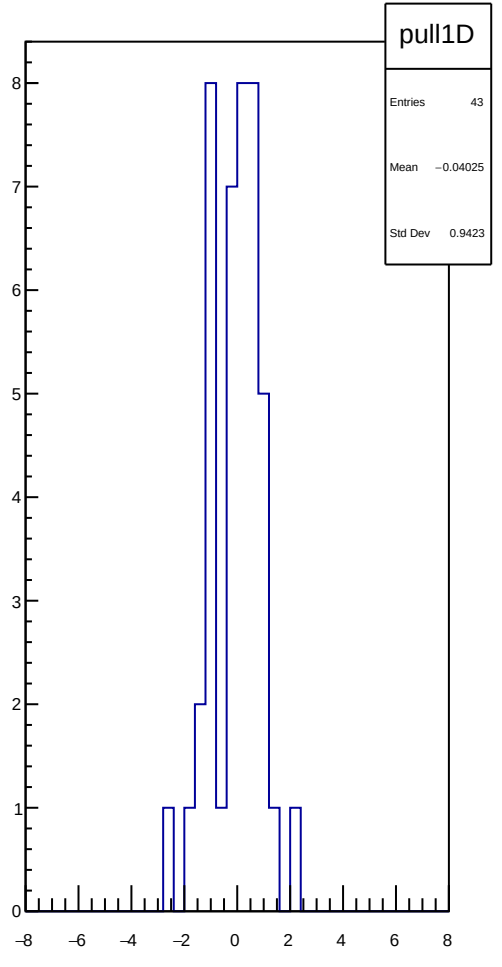

dit_asym_sam_48_avg_mean vs run
χ² / ndf 52.38 / 42
p0 −41.26 ± 241.1
6000
4000
2000
0
−2000
−4000
−6000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 621
Std Dev 601
3
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.005928
Std Dev 1.104
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

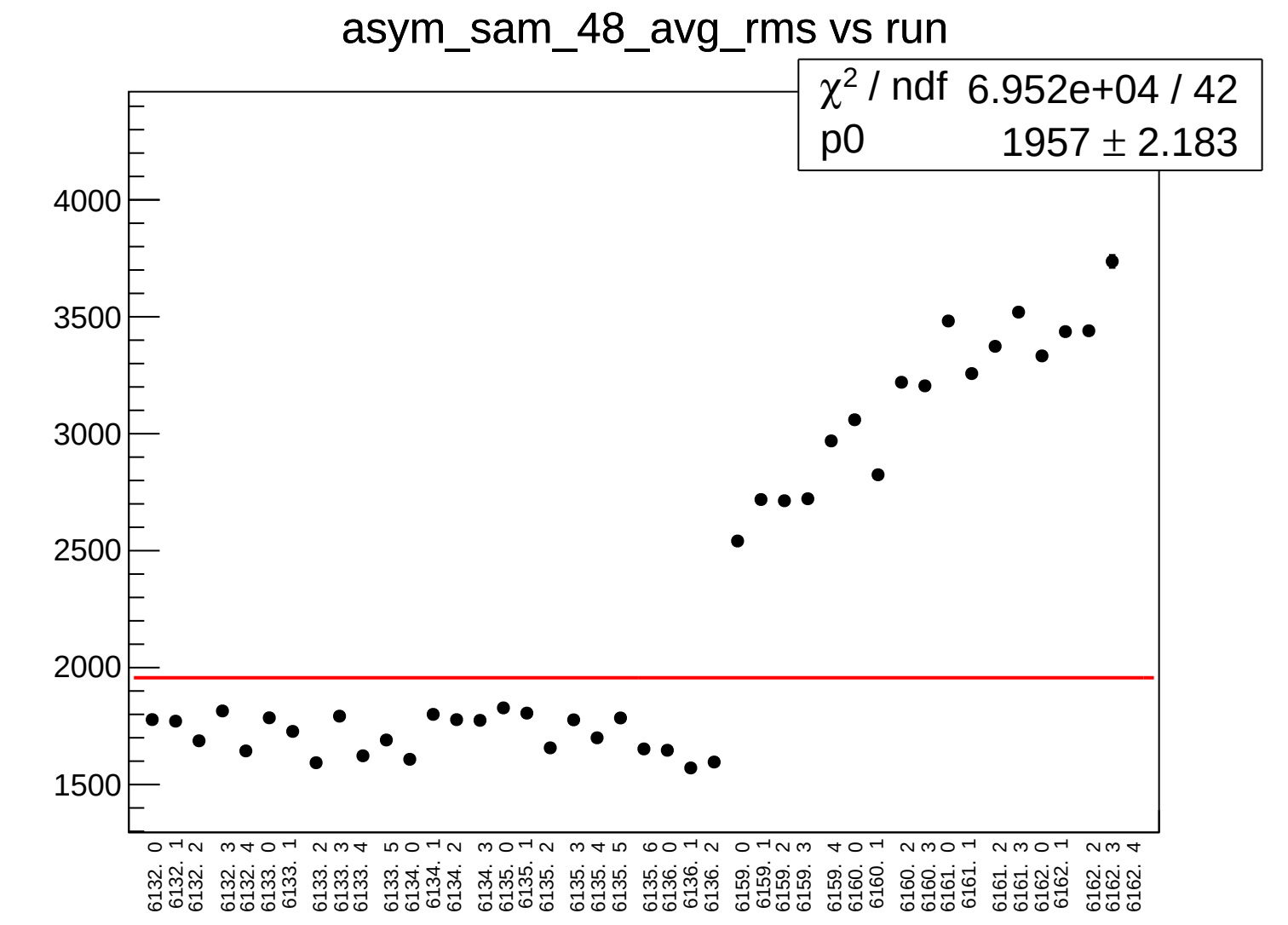

dit_asym_sam_48_avg_rms vs run
χ² / ndf 1923 / 42
p0 159.1 ± 0.1705
210
200
190
180
170
160
150
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

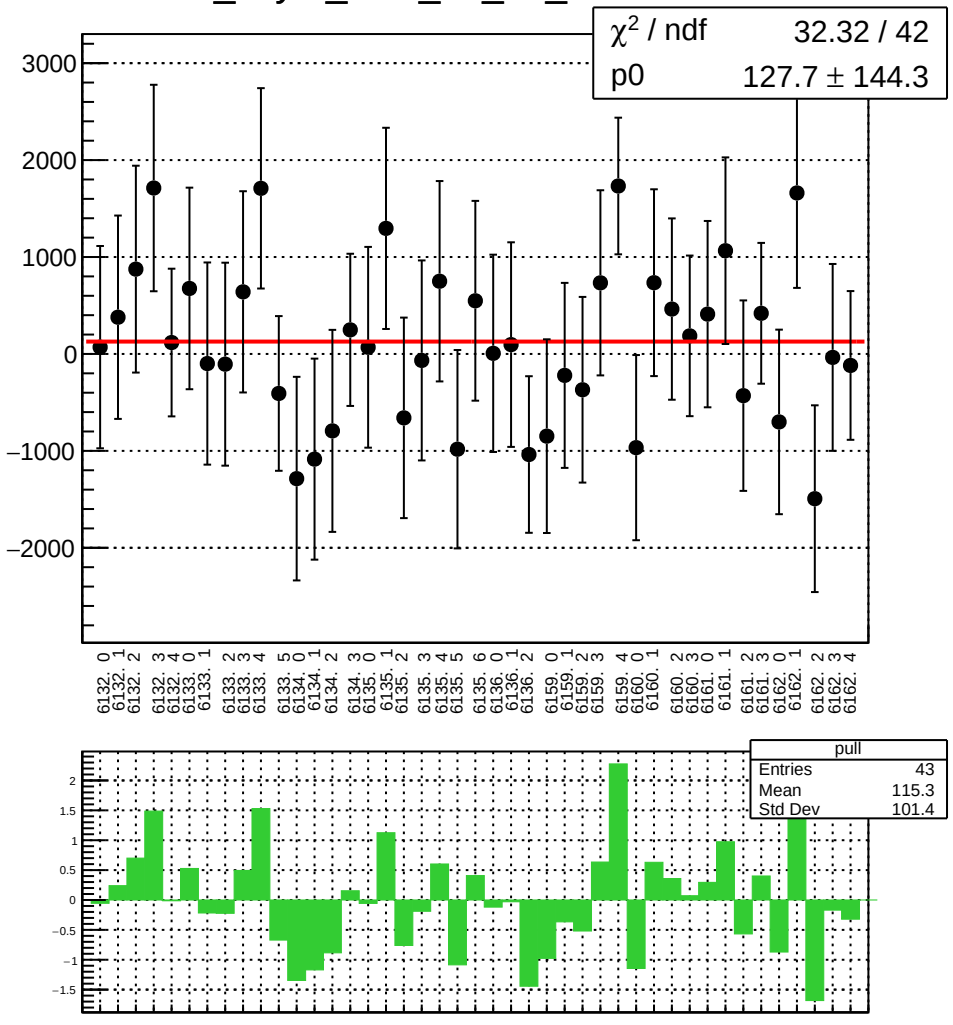

asym_sam_48_avg_correction_mean vs run
χ² / ndf 38.13 / 42
p0 −362.2 ± 3085
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 91.61
Std Dev 69.55
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.04177
Std Dev 0.9407
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

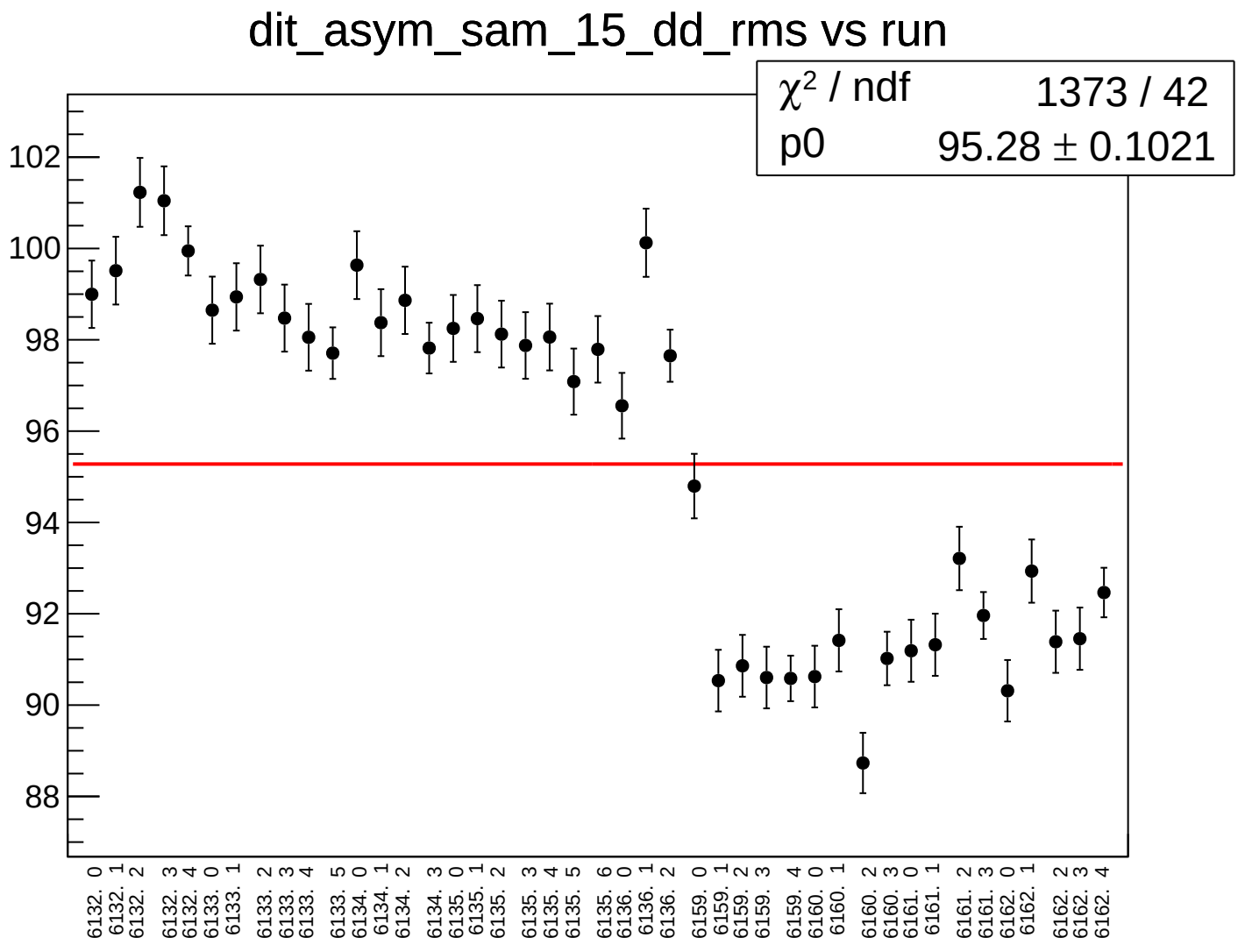

asym_sam_48_avg_correction_rms vs run
χ² / ndf 7.174e+04 / 42
p0 1953 ± 2.181
4500
4000
3500
3000
2500
2000
1500
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

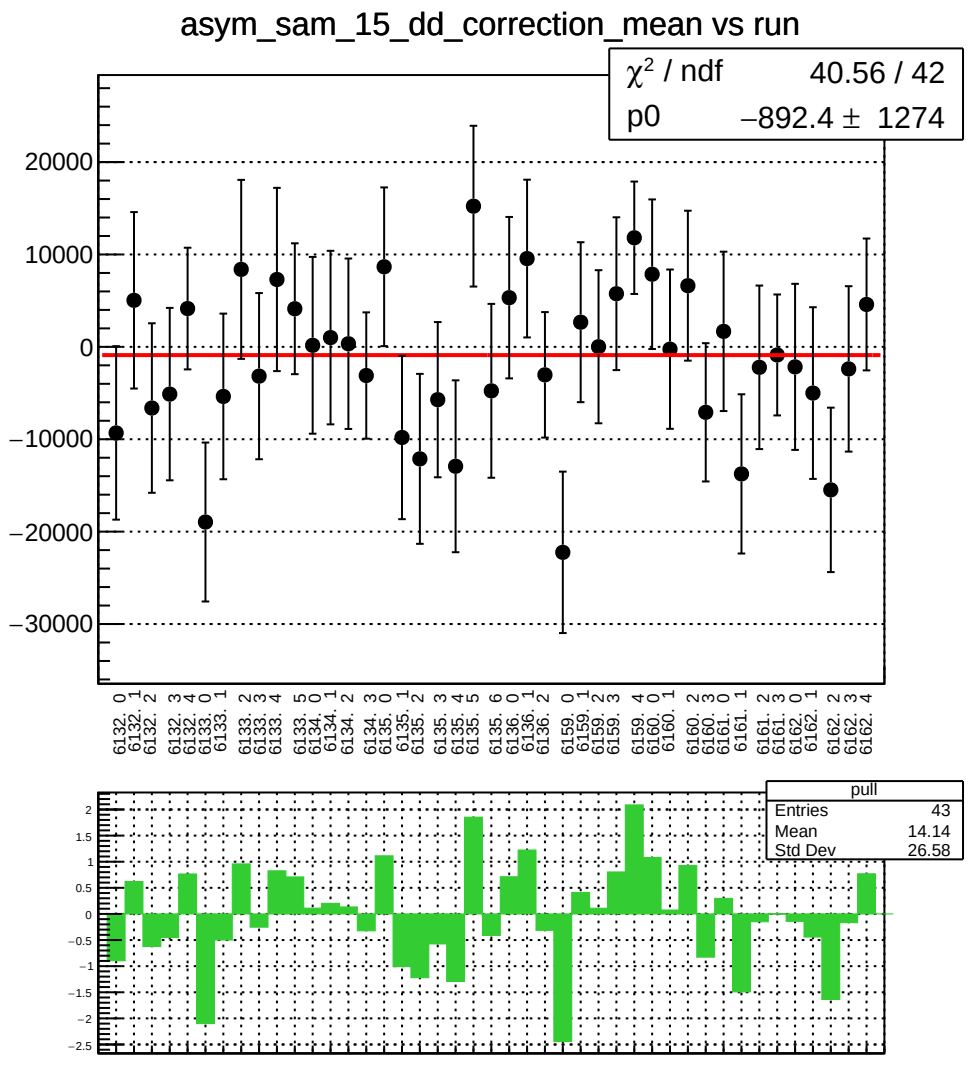

asym_sam_48_avg_mean vs run
χ² / ndf 38.25 / 42
p0 211.2 ± 3087
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 88.37
Std Dev 66.09
2
1
0
−1
−2

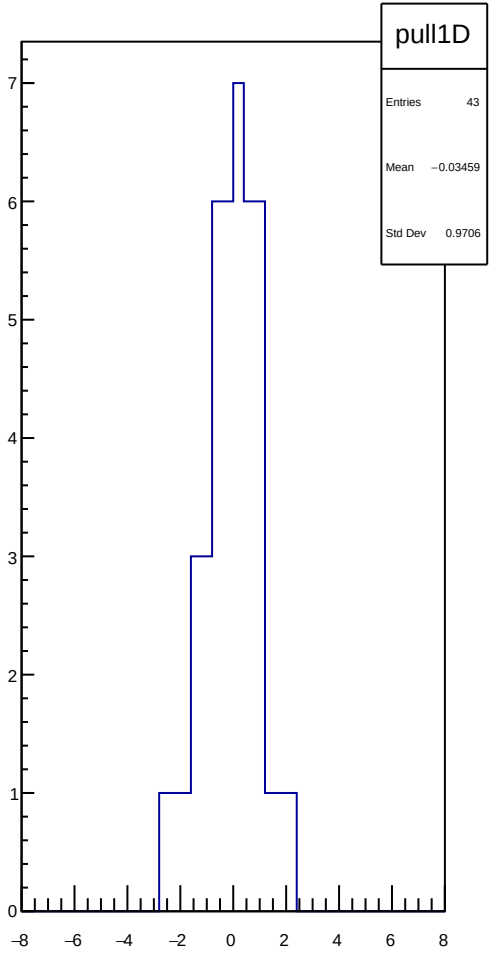

pull1D
Entries 43
Mean −0.04025
Std Dev 0.9423
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

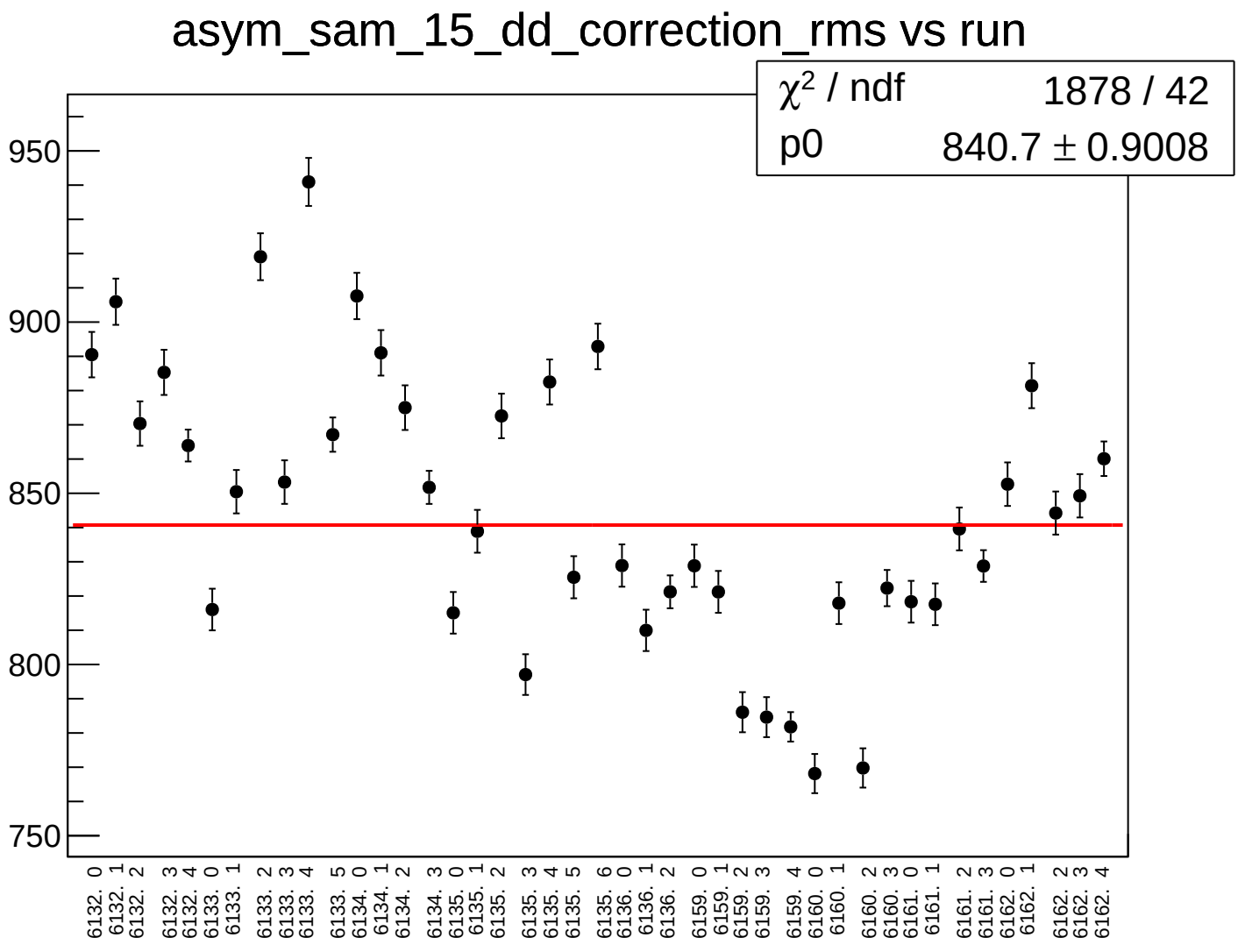

asym_sam_48_avg_rms vs run
χ² / ndf 6.952e+04 / 42
p0 1957 ± 2.183
4000
3500
3000
2500
2000
1500
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

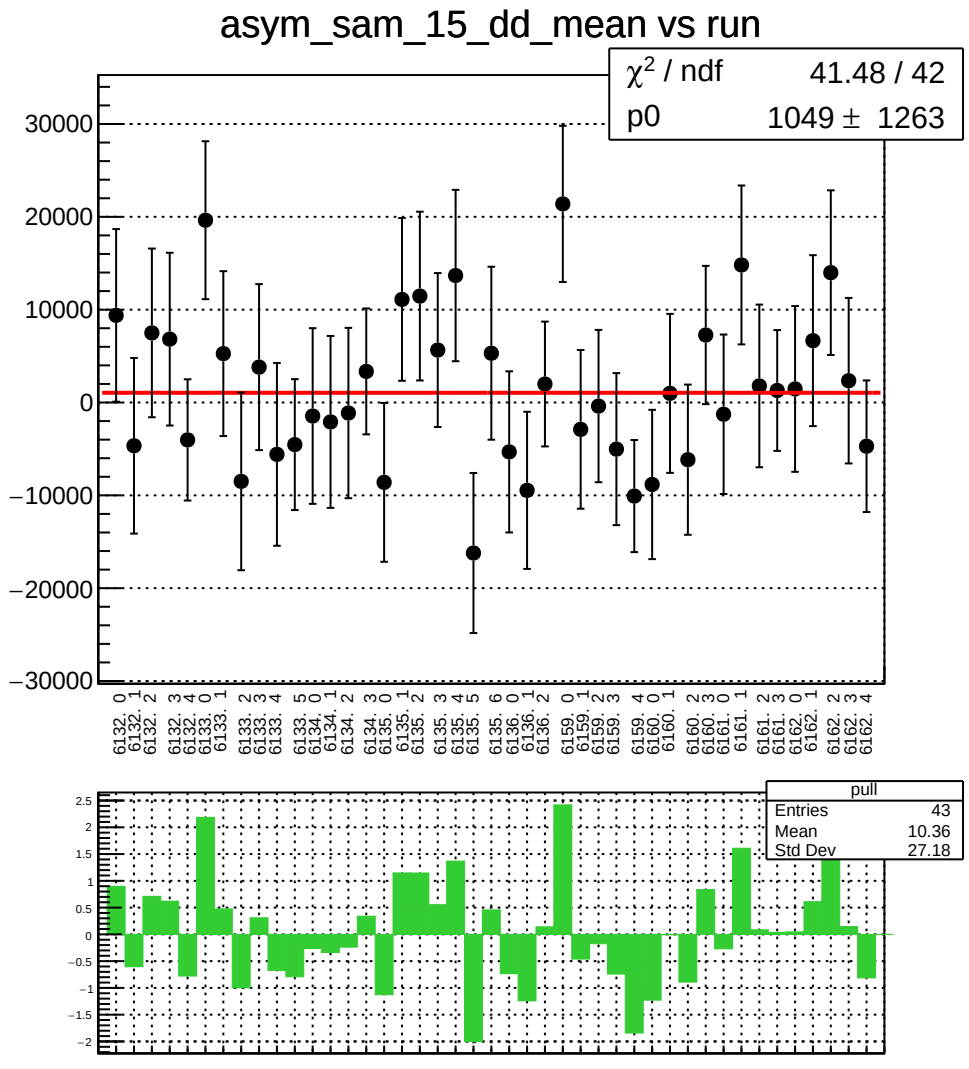

dit_asym_sam_15_dd_mean vs run
χ² / ndf 32.32 / 42
p0 127.7 ± 144.3
3000
2000
1000
0
−1000
−2000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 115.3
Std Dev 101.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.009428
Std Dev 0.8669
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

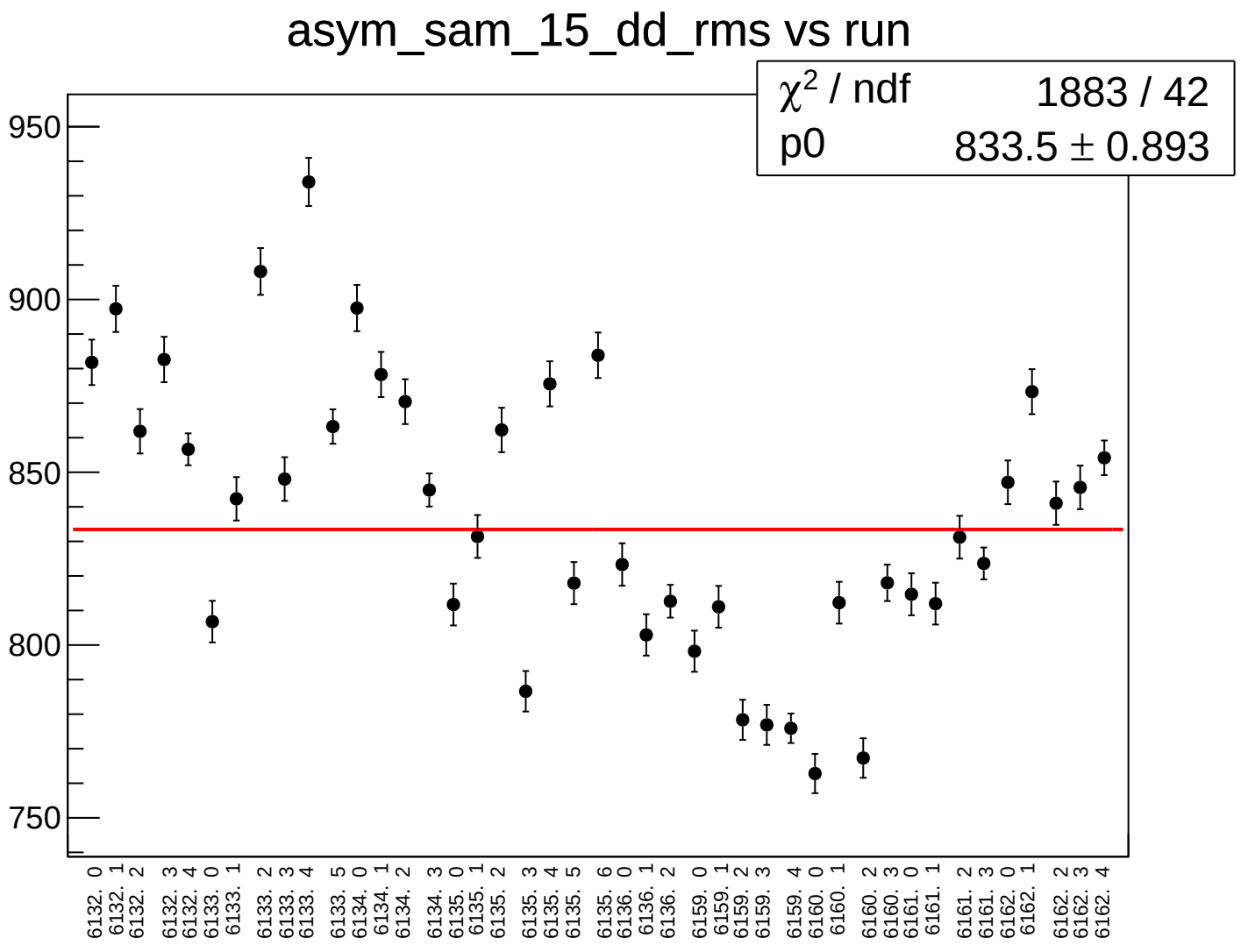

dit_asym_sam_15_dd_rms vs run
χ² / ndf 1373 / 42
p0 95.28 ± 0.1021
102
100
98
96
94
92
90
88
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

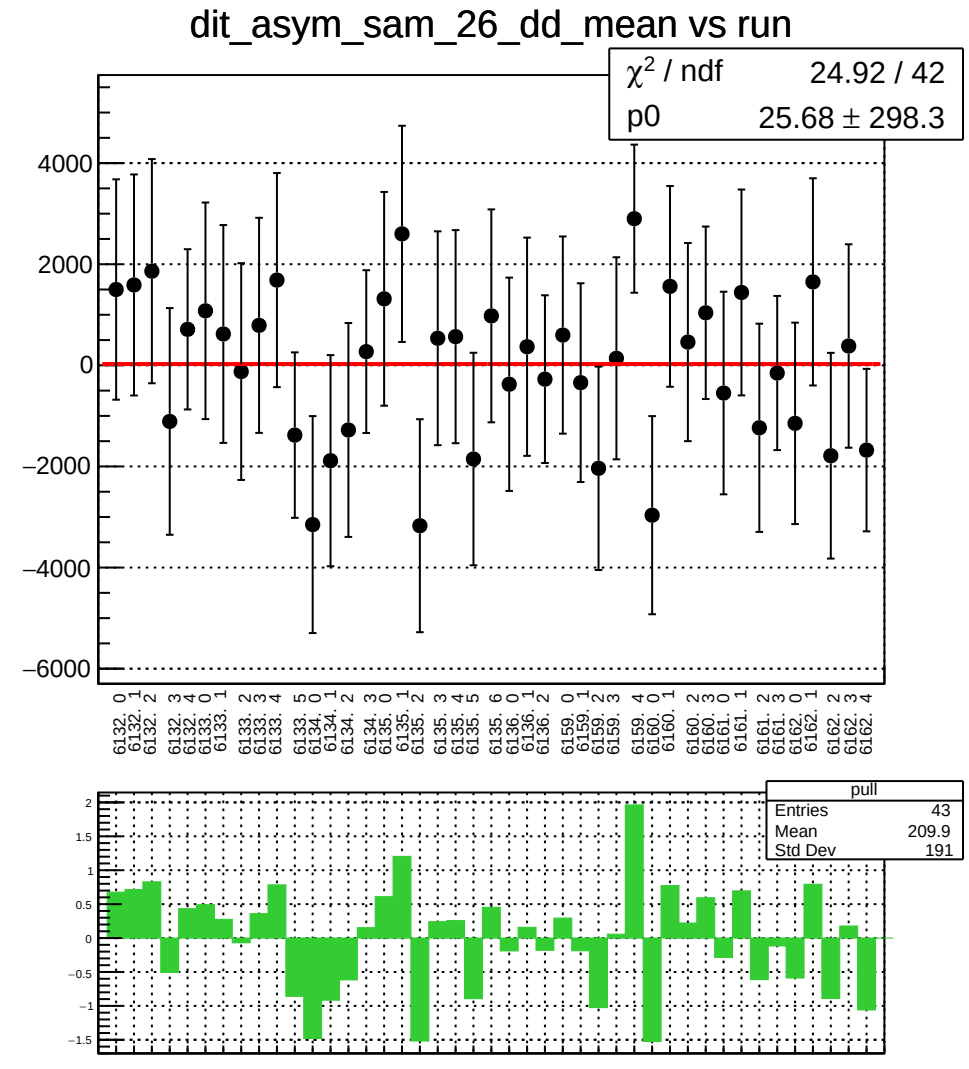

asym_sam_15_dd_correction_mean vs run
χ² / ndf 40.56 / 42
p0 −892.4 ± 1274
20000
10000
0
−10000
−20000
−30000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 14.14
Std Dev 26.58
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

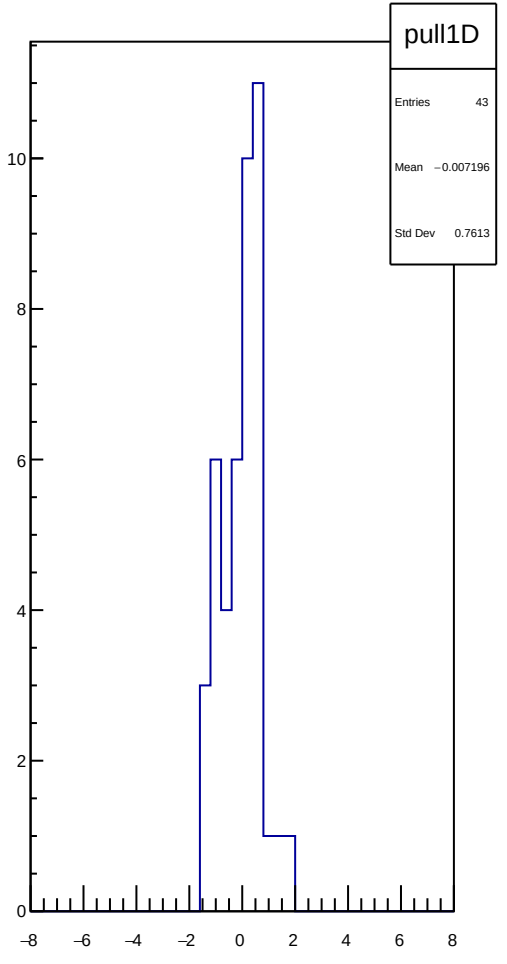

pull1D
Entries 43
Mean −0.03459
Std Dev 0.9706
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

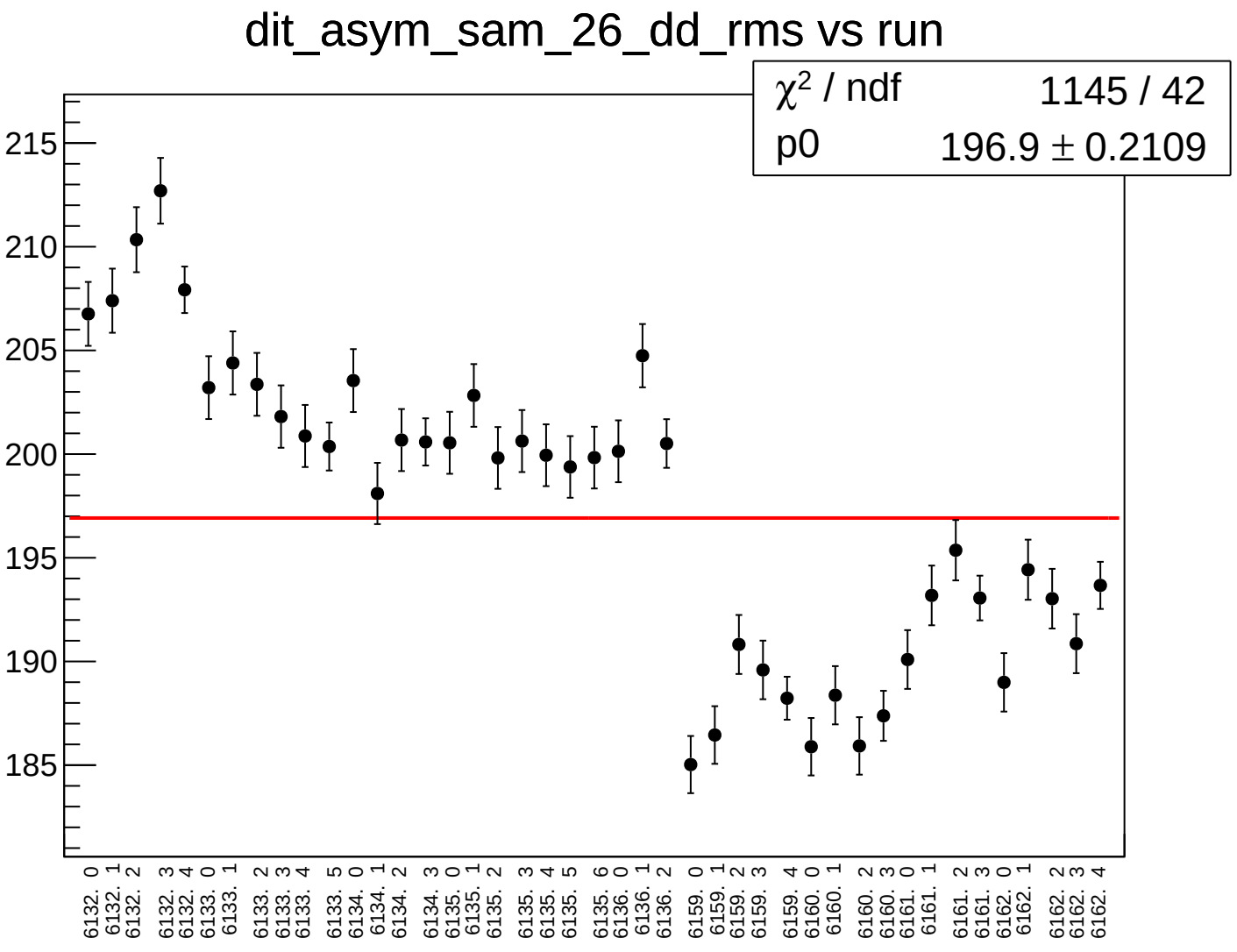

asym_sam_15_dd_correction_rms vs run
χ² / ndf 1878 / 42
p0 840.7 ± 0.9008
950
900
850
800
750
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

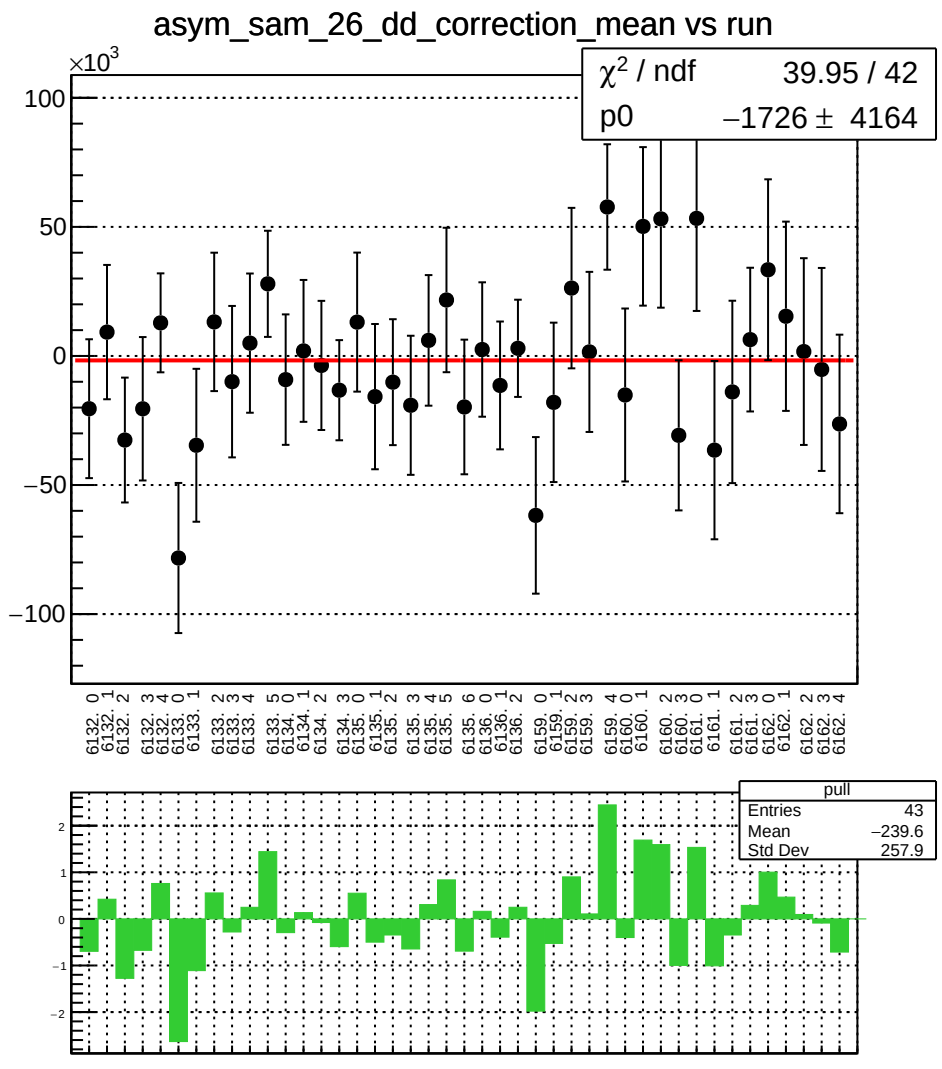

asym_sam_15_dd_mean vs run
χ^2 / ndf 41.48 / 42
p0 1049 ± 1263
30000
20000
10000
0
−10000
−20000
−30000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 10.36
Std Dev 27.18
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.03208
Std Dev 0.9816
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

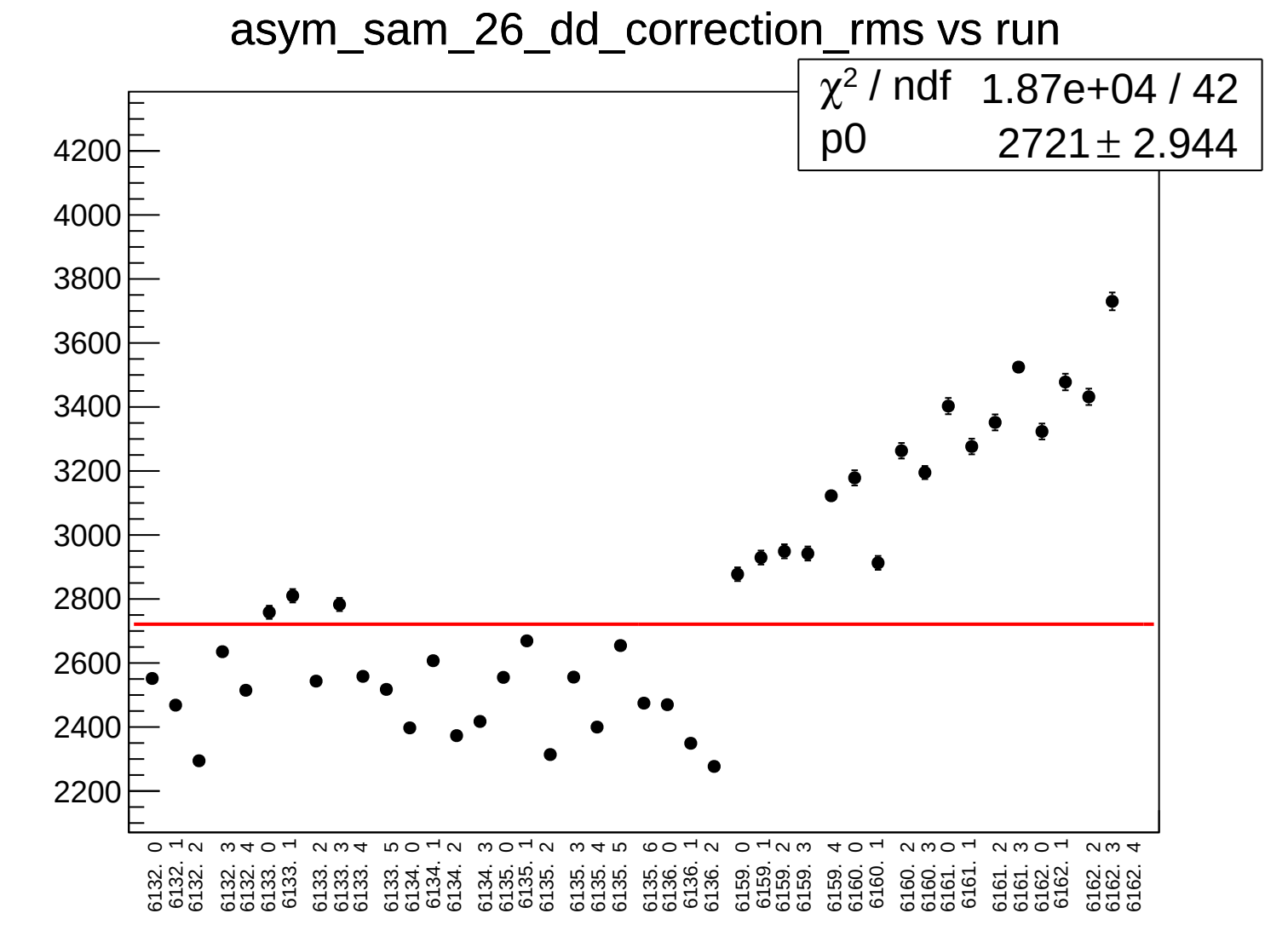

asym_sam_15_dd_rms vs run
χ² / ndf 1883 / 42
p0 833.5 ± 0.893
950
900
850
800
750
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

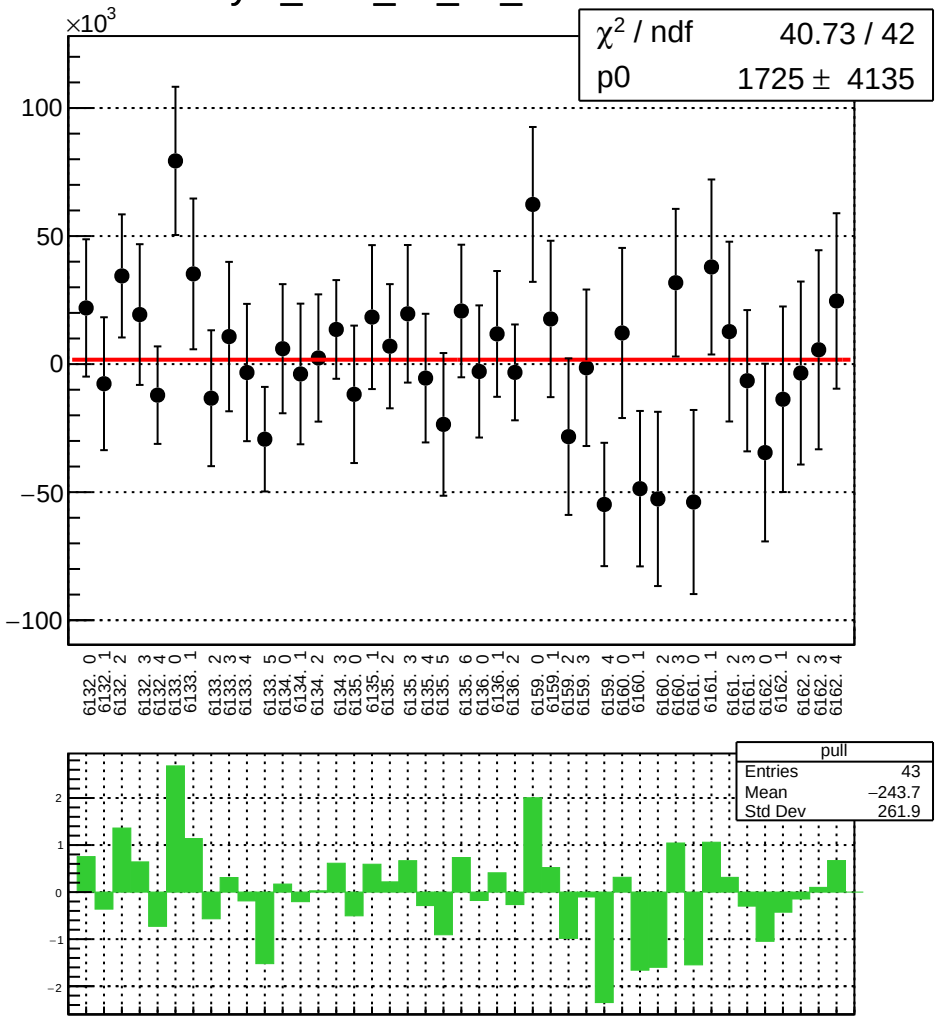

dit_asym_sam_26_dd_mean vs run
χ² / ndf 24.92 / 42
p0 25.68 ± 298.3
4000
2000
0
−2000
−4000
−6000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 209.9
Std Dev 191
2
1.5
1
0.5
0
−0.5
−1
−1.5

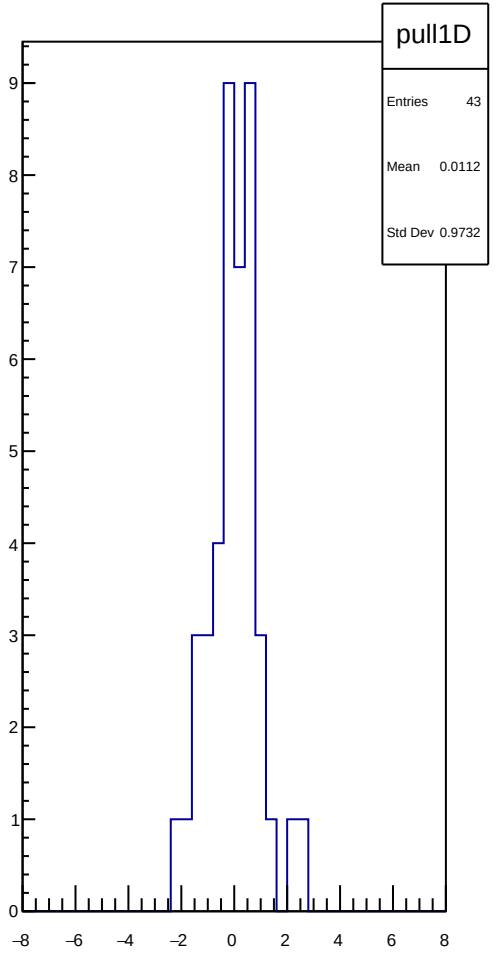

pull1D
Entries 43
Mean −0.007196
Std Dev 0.7613
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

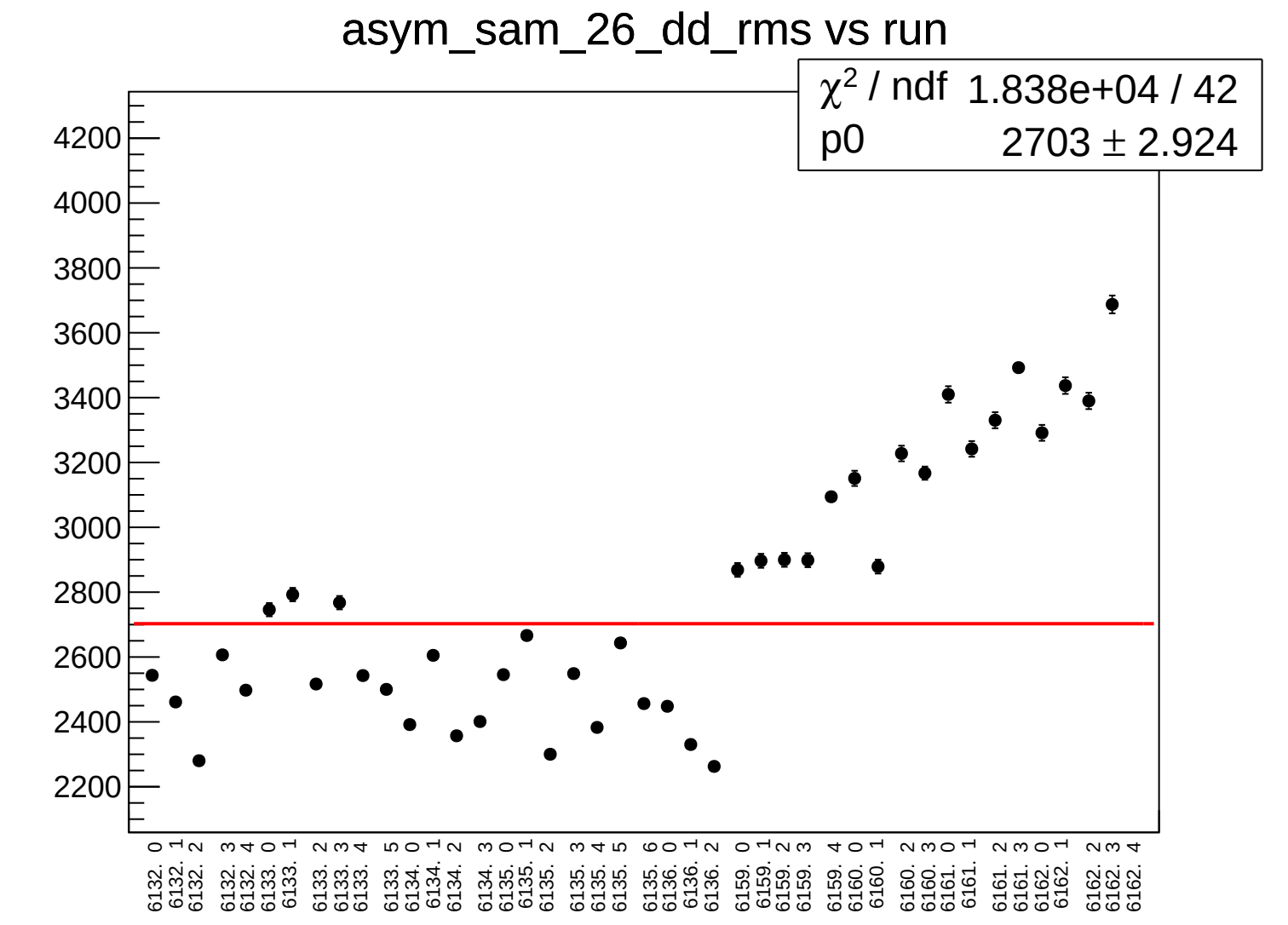

dit_asym_sam_26_dd_rms vs run
χ² / ndf 1145 / 42
p0 196.9 ± 0.2109
215
210
205
200
195
190
185
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

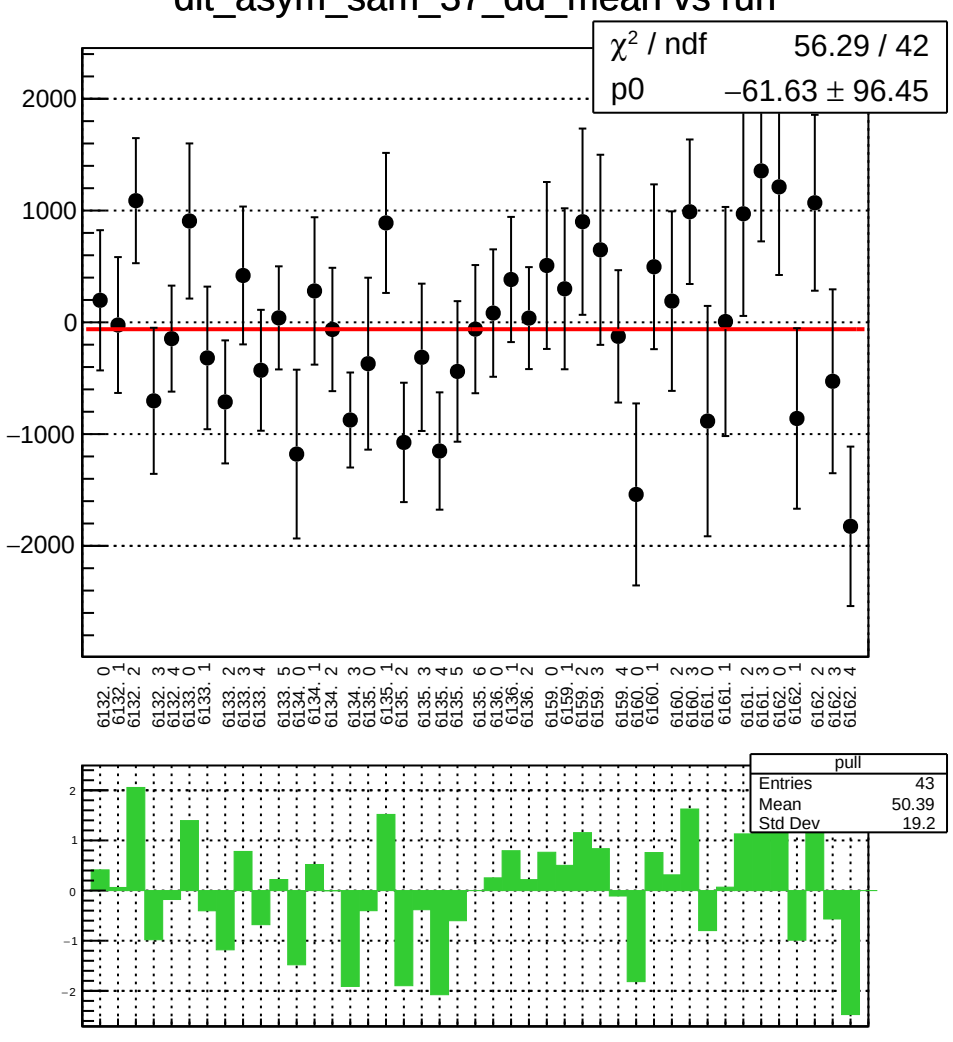

asym_sam_26_dd_correction_mean vs run
×10^3
χ² / ndf 39.95 / 42
p0 −1726 ± 4164
100
50
0
−50
−100
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −239.6
Std Dev 257.9
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.01095
Std Dev 0.9639
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

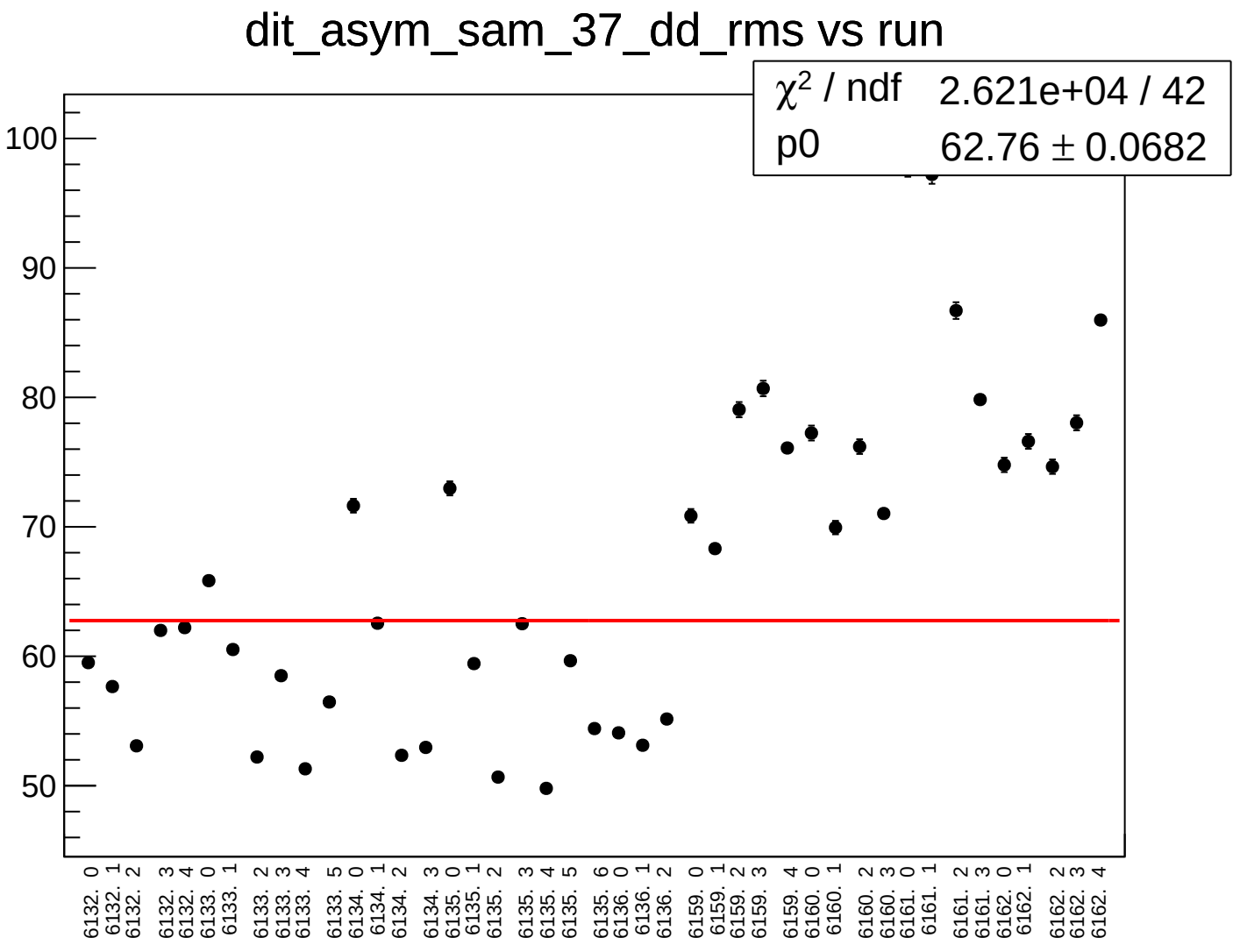

asym_sam_26_dd_correction_rms vs run
χ² / ndf 1.87e+04 / 42
p0 2721 ± 2.944
4200
4000
3800
3600
3400
3200
3000
2800
2600
2400
2200
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

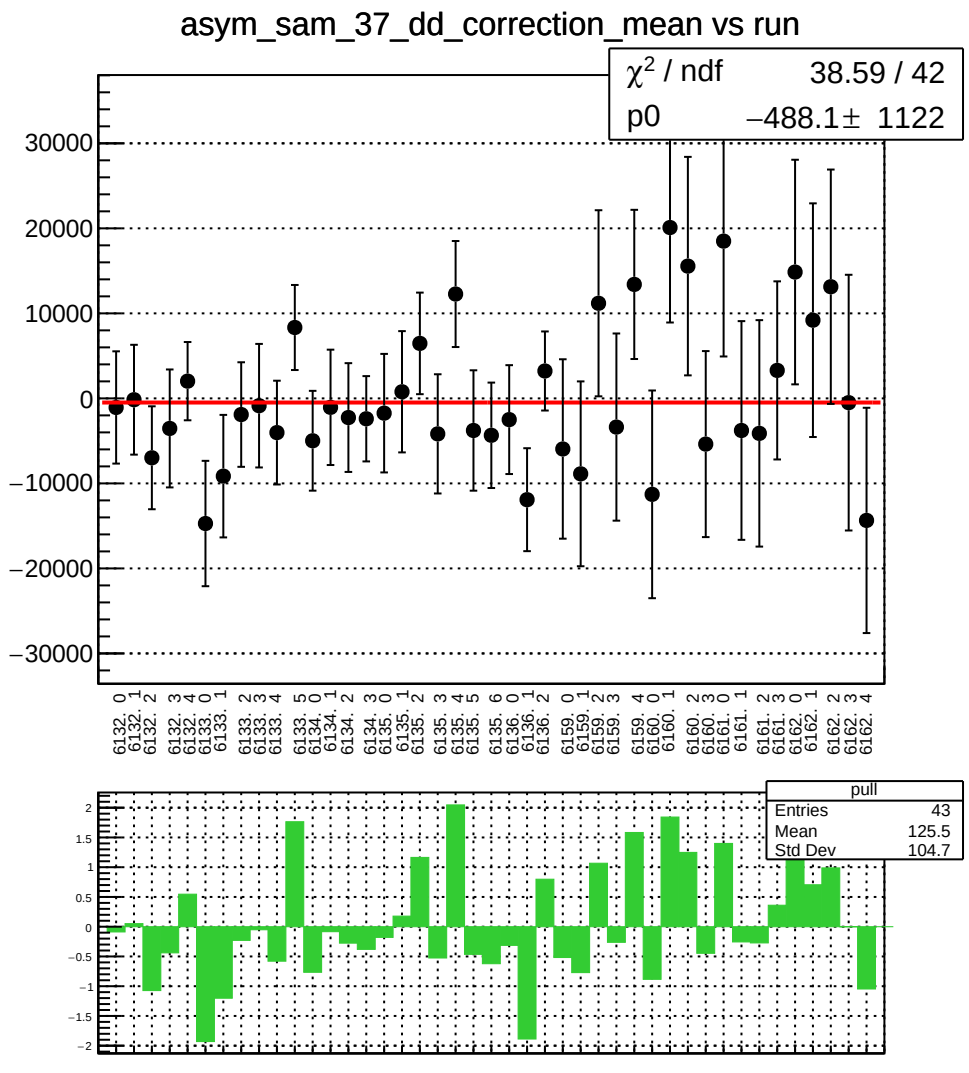

asym_sam_26_dd_mean vs run
×10^3
χ^2 / ndf 40.73 / 42
p0 1725 ± 4135
100
50
0
−50
−100
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −243.7
Std Dev 261.9
2
1
0
−1
−2

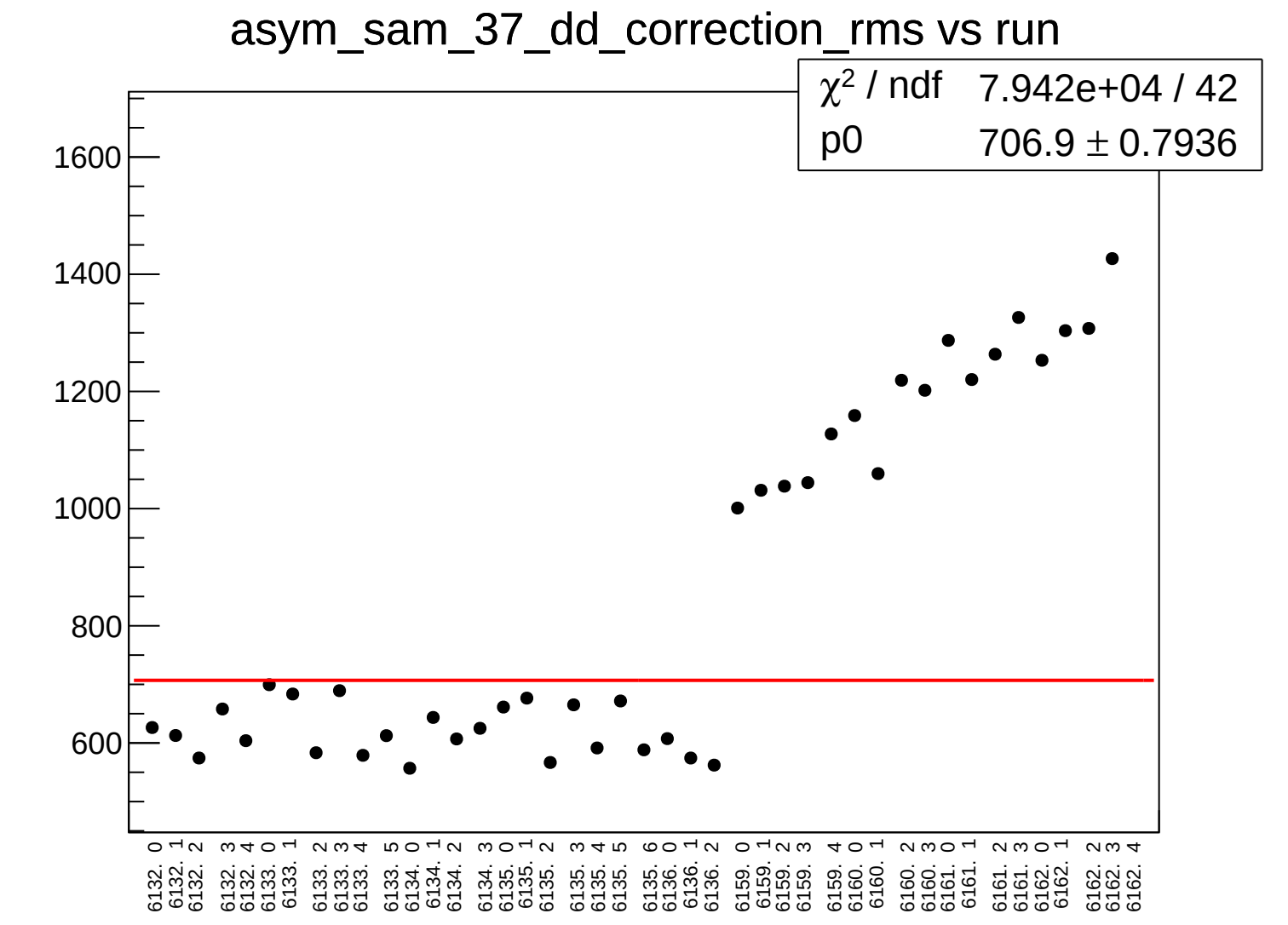

pull1D
Entries 43
Mean 0.0112
Std Dev 0.9732
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

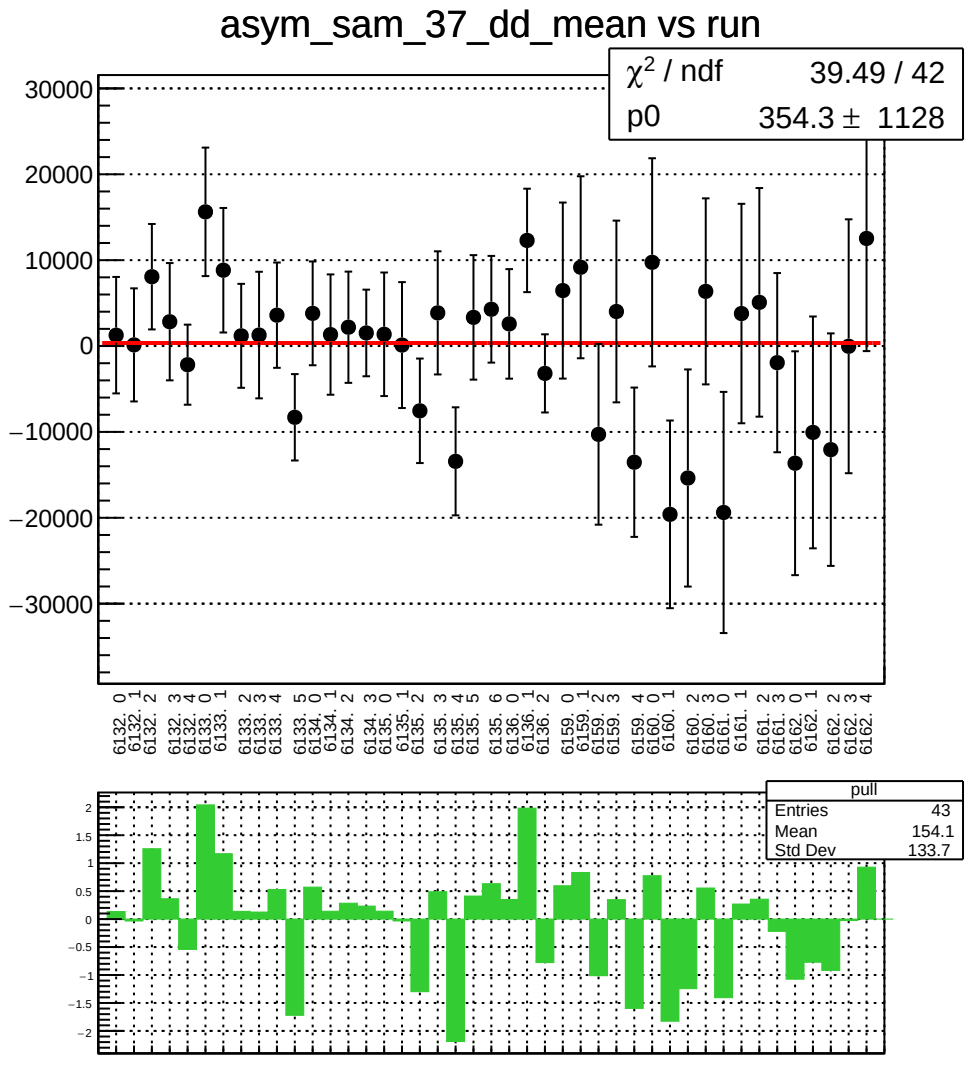

asym_sam_26_dd_rms vs run
χ² / ndf 1.838e+04 / 42
p0 2703 ± 2.924
4200
4000
3800
3600
3400
3200
3000
2800
2600
2400
2200
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

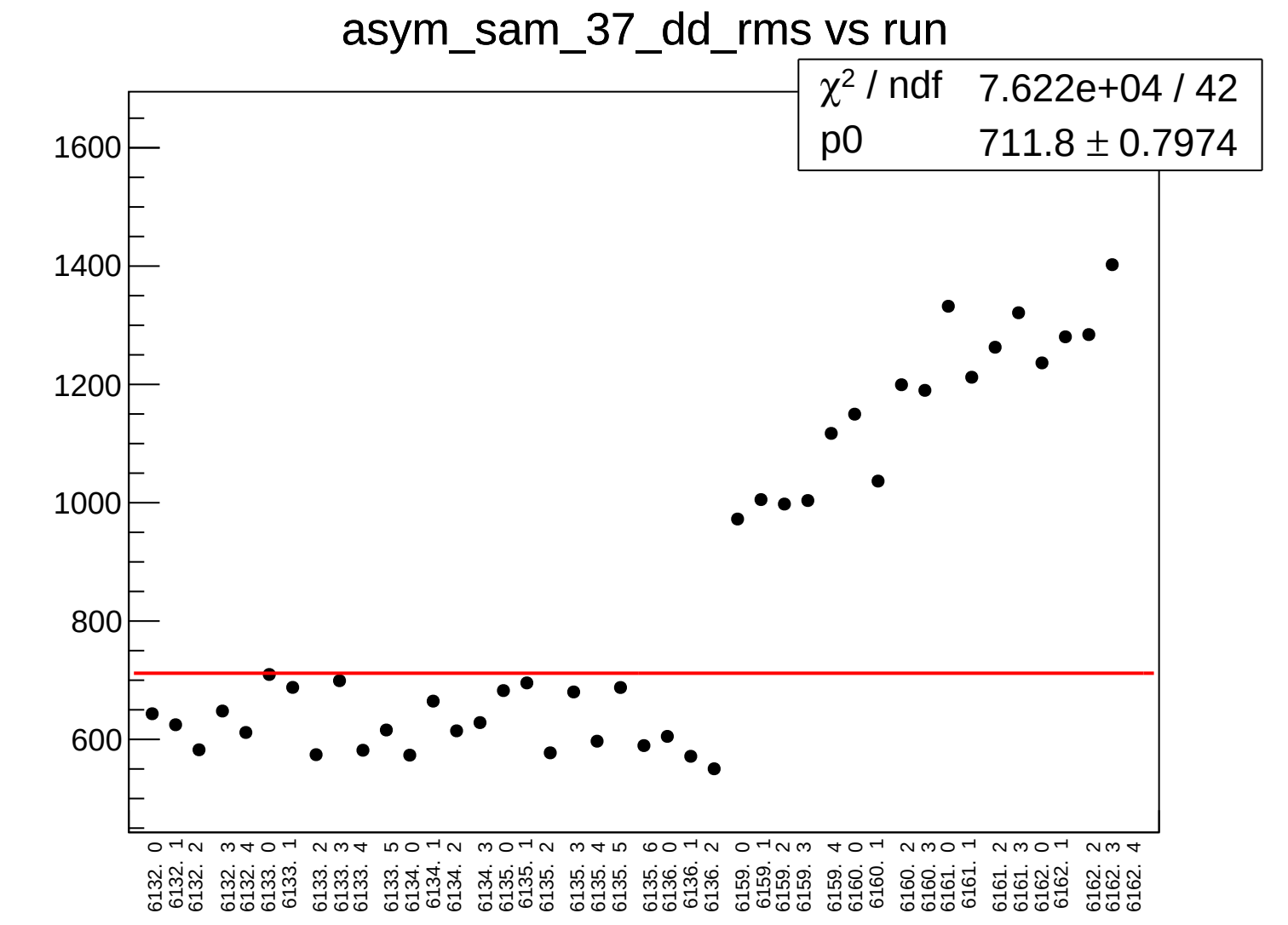

dit_asym_sam_37_dd_mean vs run
χ² / ndf 56.29 / 42
p0 −61.63 ± 96.45
2000
1000
0
−1000
−2000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 50.39
Std Dev 19.2
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.04087
Std Dev 1.143
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

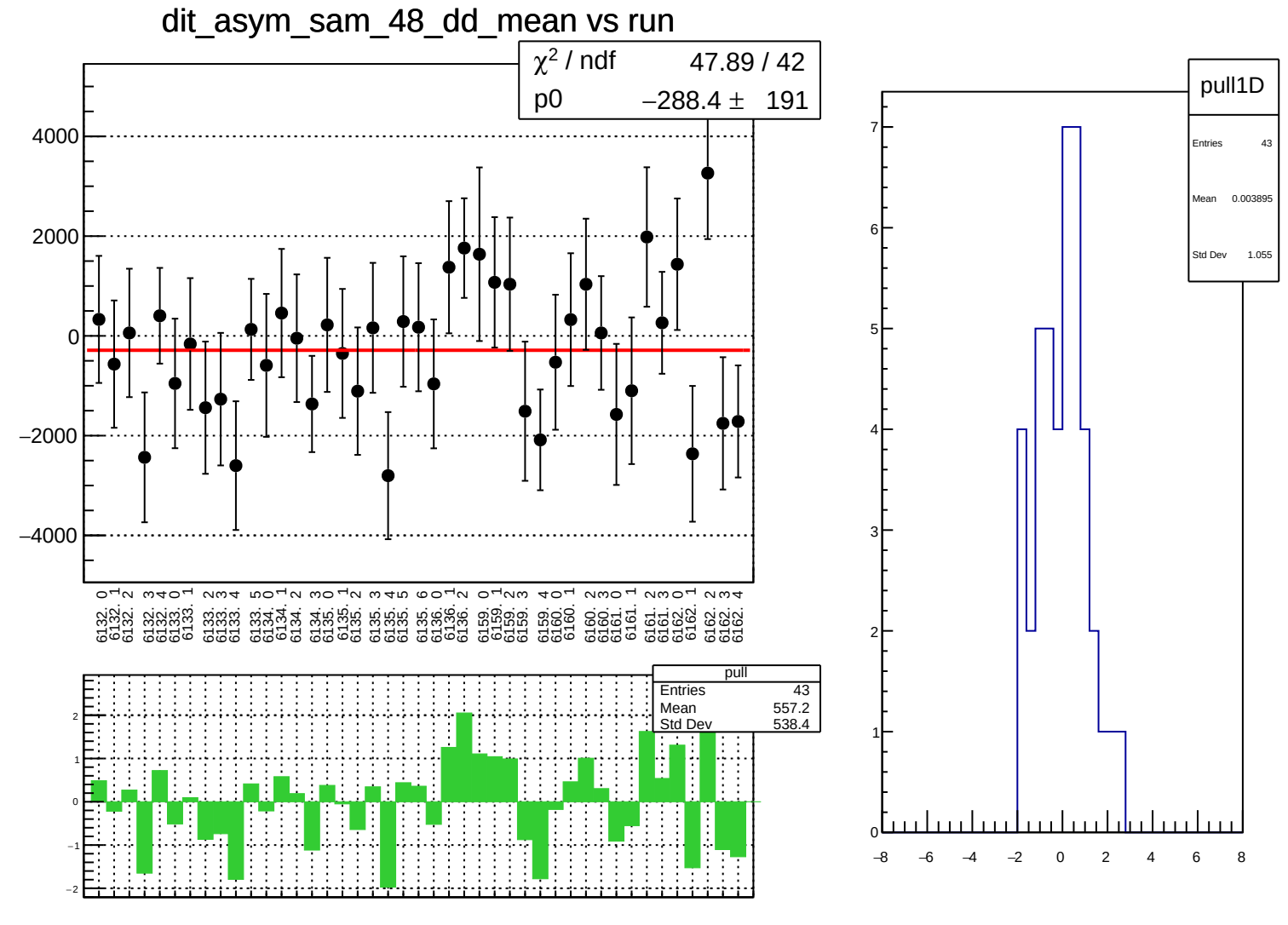

dit_asym_sam_37_dd_rms vs run
χ² / ndf 2.621e+04 / 42
p0 62.76 ± 0.0682
100
90
80
70
60
50
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

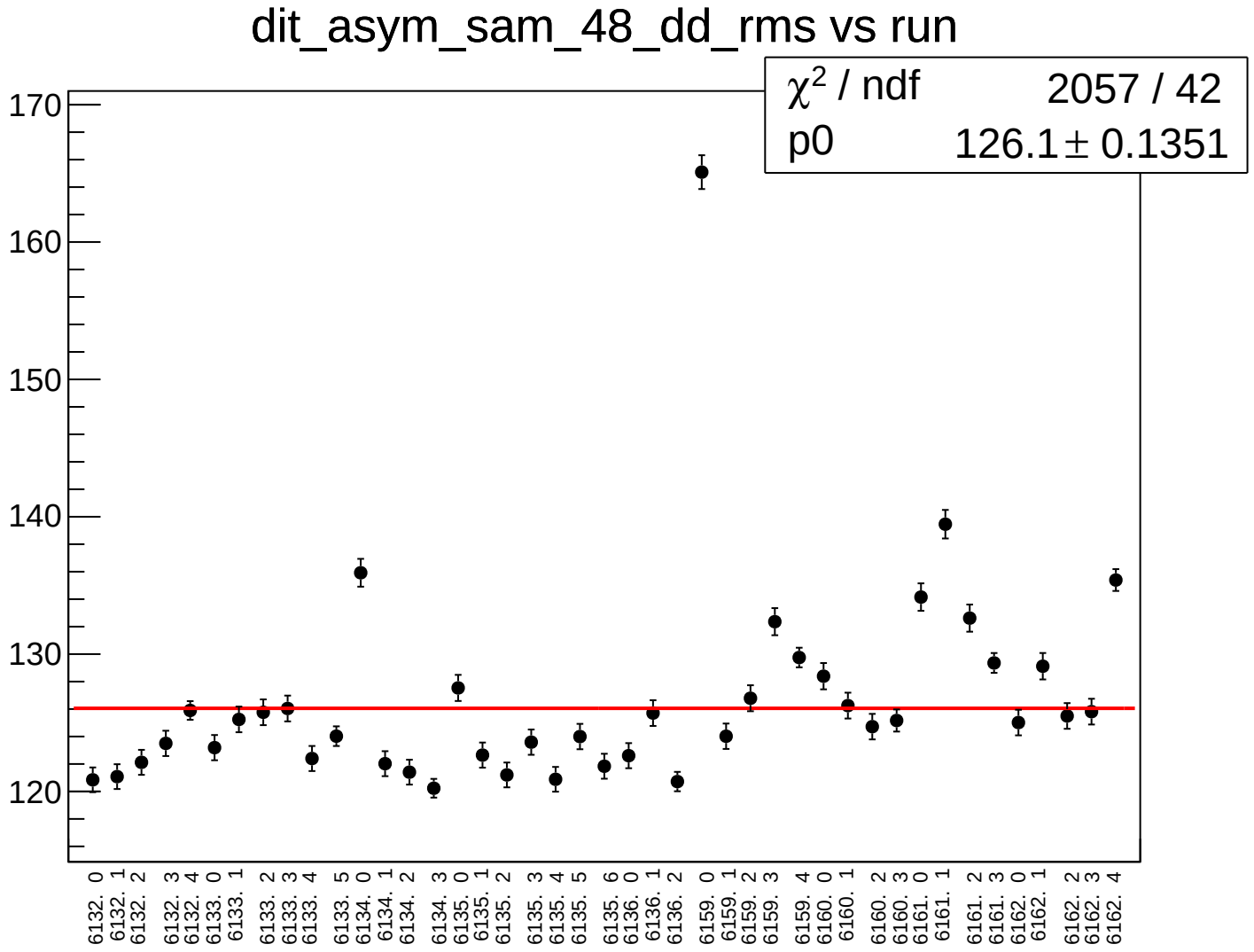

asym_sam_37_dd_correction_mean vs run
χ² / ndf 38.59 / 42
p0 −488.1± 1122
30000
20000
10000
0
−10000
−20000
−30000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 125.5
Std Dev 104.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.03152
Std Dev 0.9468
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

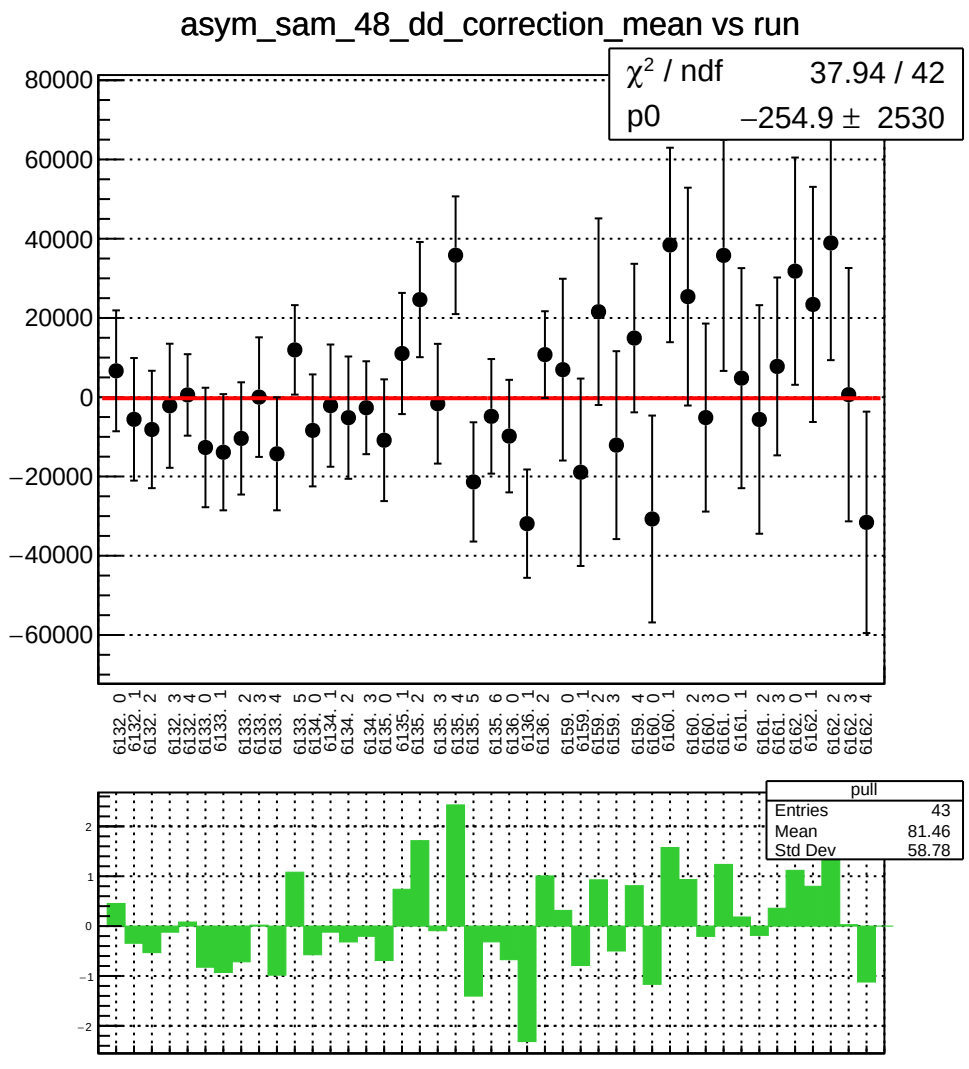

asym_sam_37_dd_correction_rms vs run
χ² / ndf 7.942e+04 / 42
p0 706.9 ± 0.7936
1600
1400
1200
1000
800
600
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

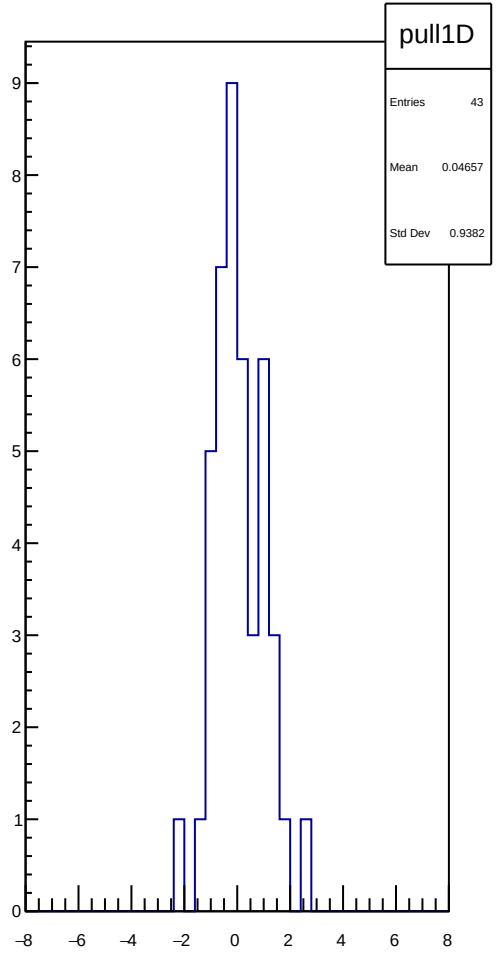

asym_sam_37_dd_mean vs run
χ² / ndf 39.49 / 42
p0 354.3 ± 1128
30000
20000
10000
0
−10000
−20000
−30000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 154.1
Std Dev 133.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.02418
Std Dev 0.958
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

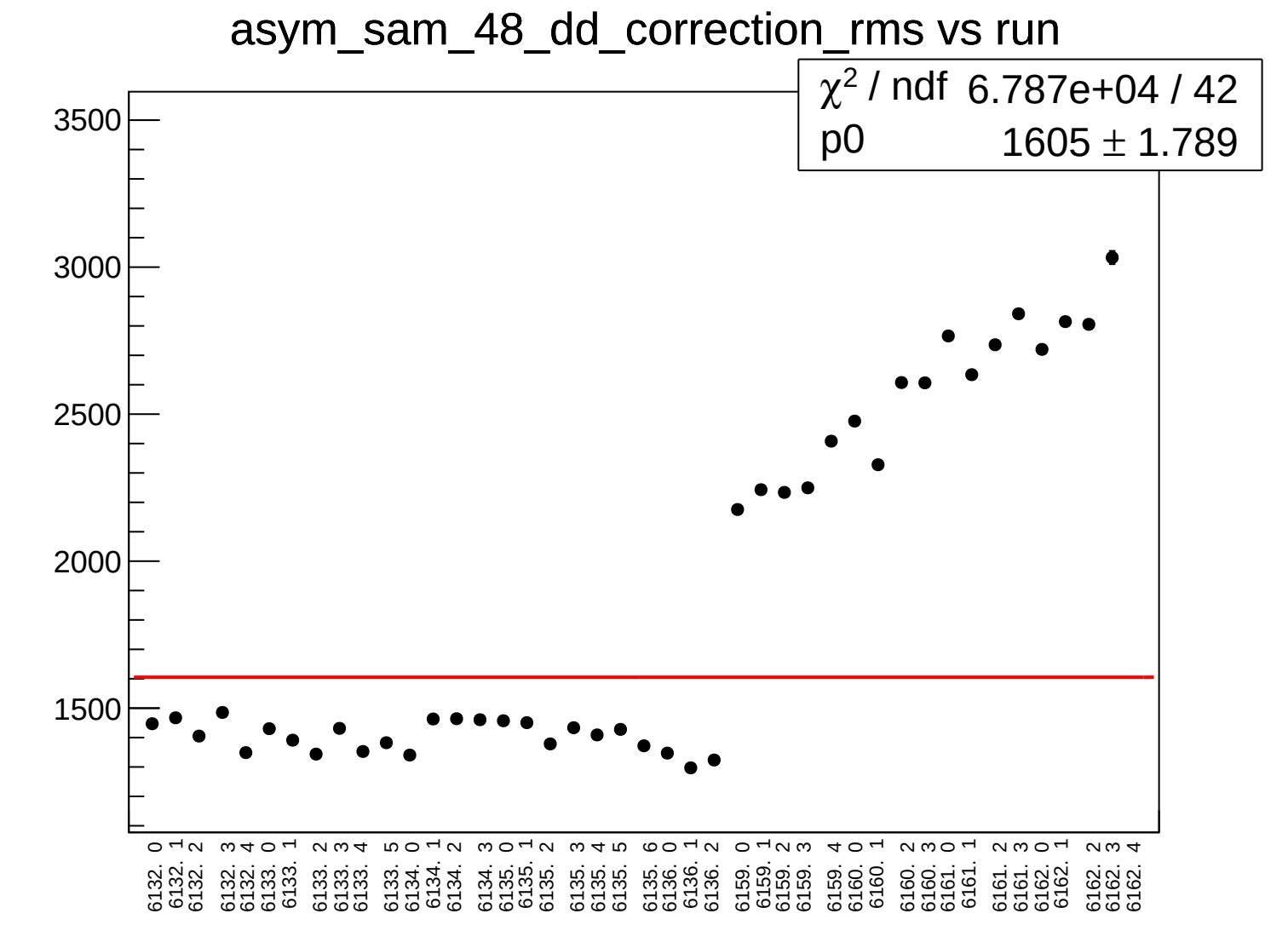

asym_sam_37_dd_rms vs run
χ² / ndf 7.622e+04 / 42
p0 711.8 ± 0.7974
1600
1400
1200
1000
800
600
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

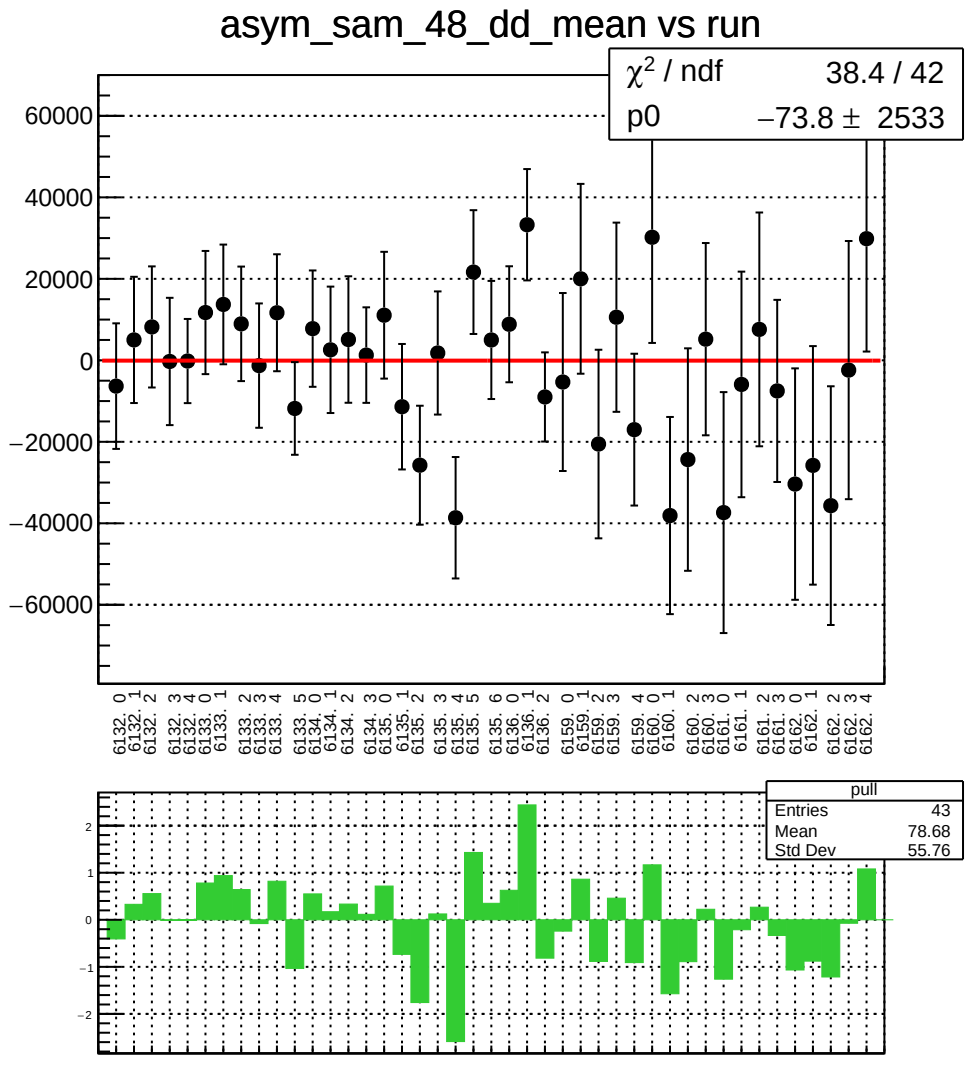

dit_asym_sam_48_dd_mean vs run
χ² / ndf 47.89 / 42
p0 −288.4 ± 191
4000
2000
0
−2000
−4000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 557.2
Std Dev 538.4
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.003895
Std Dev 1.055
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

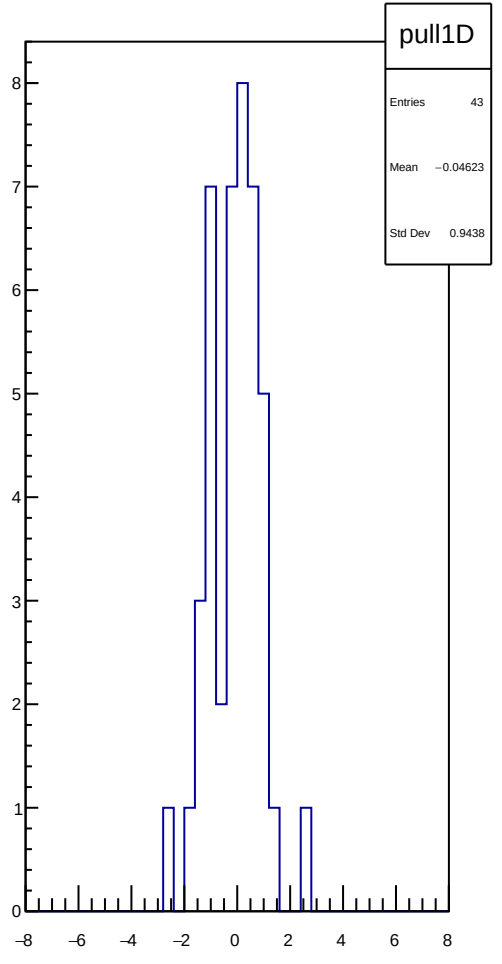

dit_asym_sam_48_dd_rms vs run
χ^2 / ndf 2057 / 42
p0 126.1 ± 0.1351
170
160
150
140
130
120
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

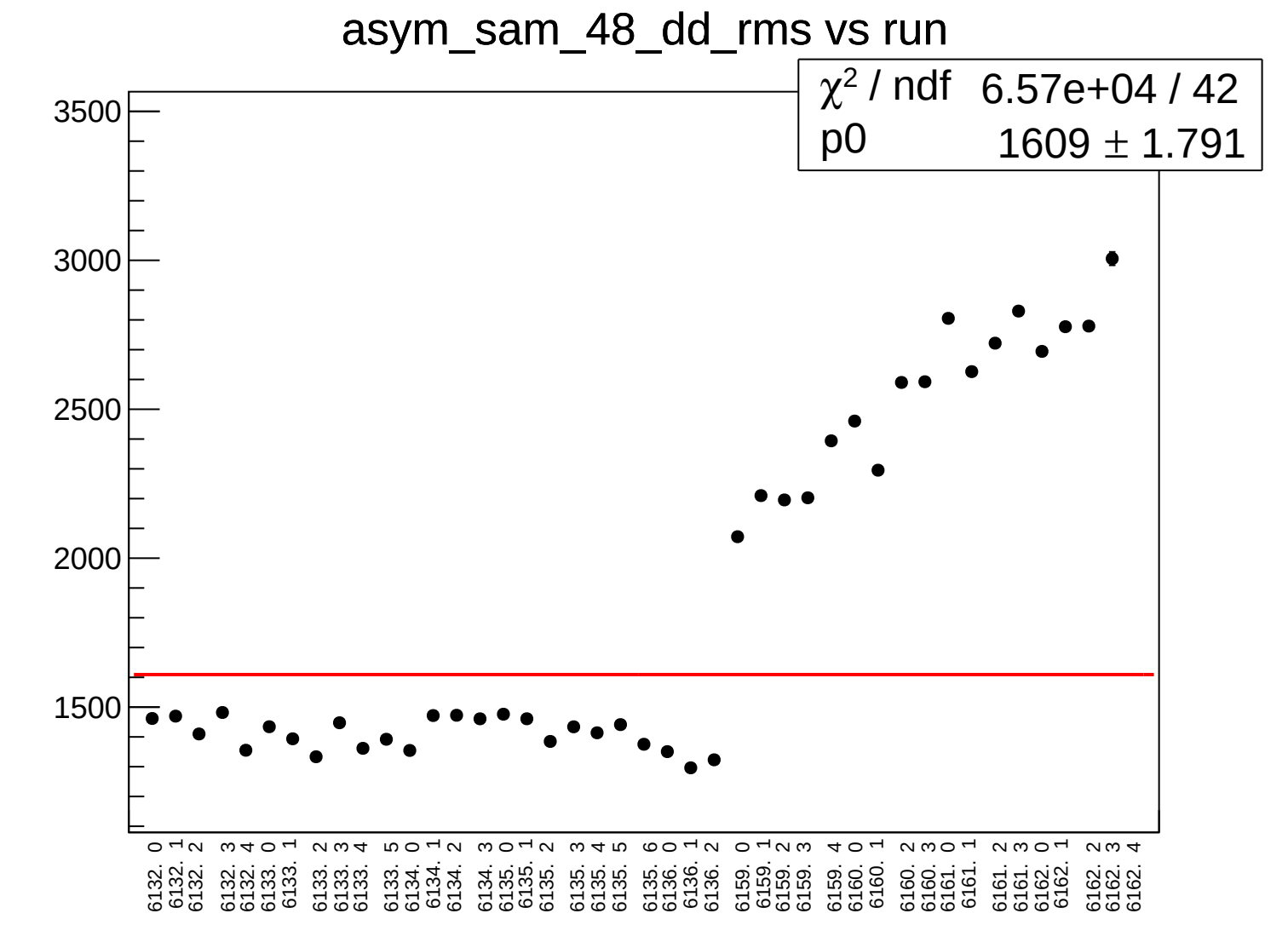

asym_sam_48_dd_correction_mean vs run
χ² / ndf 37.94 / 42
p0 −254.9 ± 2530
80000
60000
40000
20000
0
−20000
−40000
−60000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 81.46
Std Dev 58.78
2
1
0
−1
−2

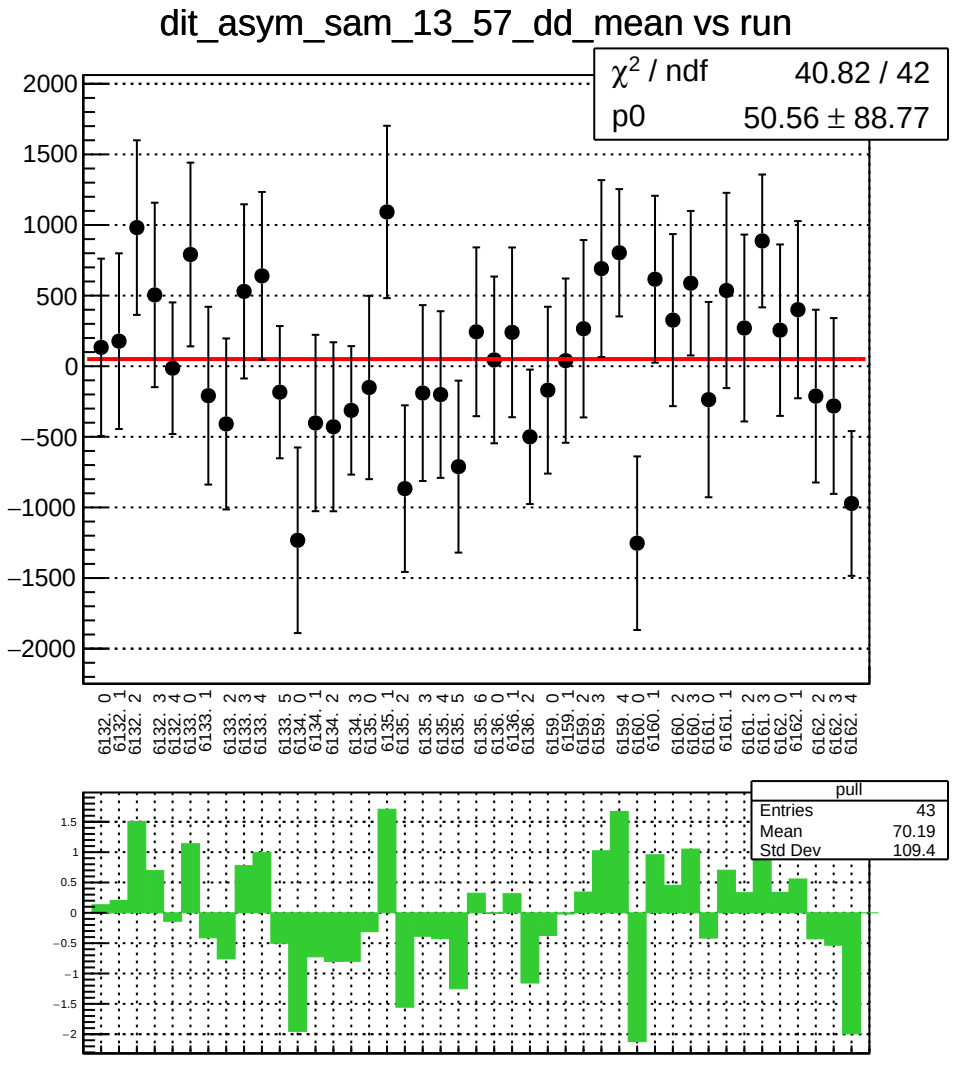

pull1D
Entries 43
Mean 0.04657
Std Dev 0.9382
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

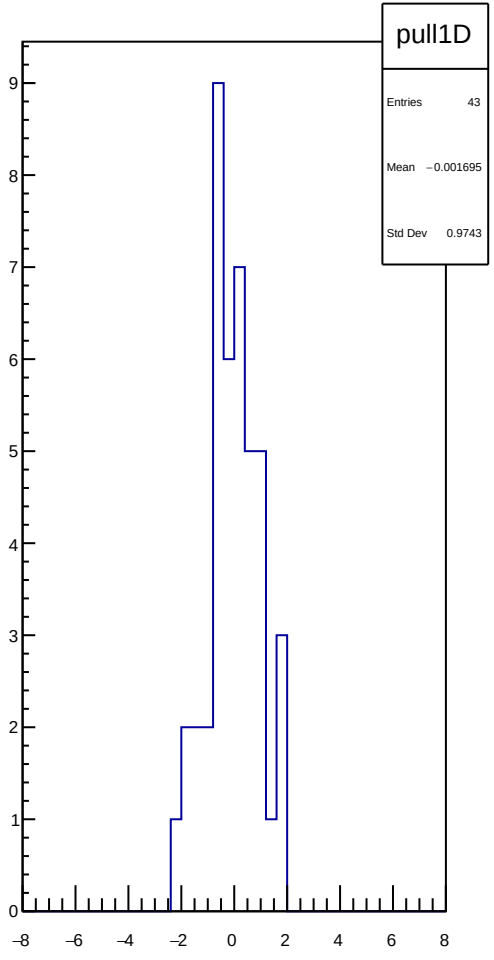

asym_sam_48_dd_correction_rms vs run
χ² / ndf 6.787e+04 / 42
p0 1605 ± 1.789
3500
3000
2500
2000
1500
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

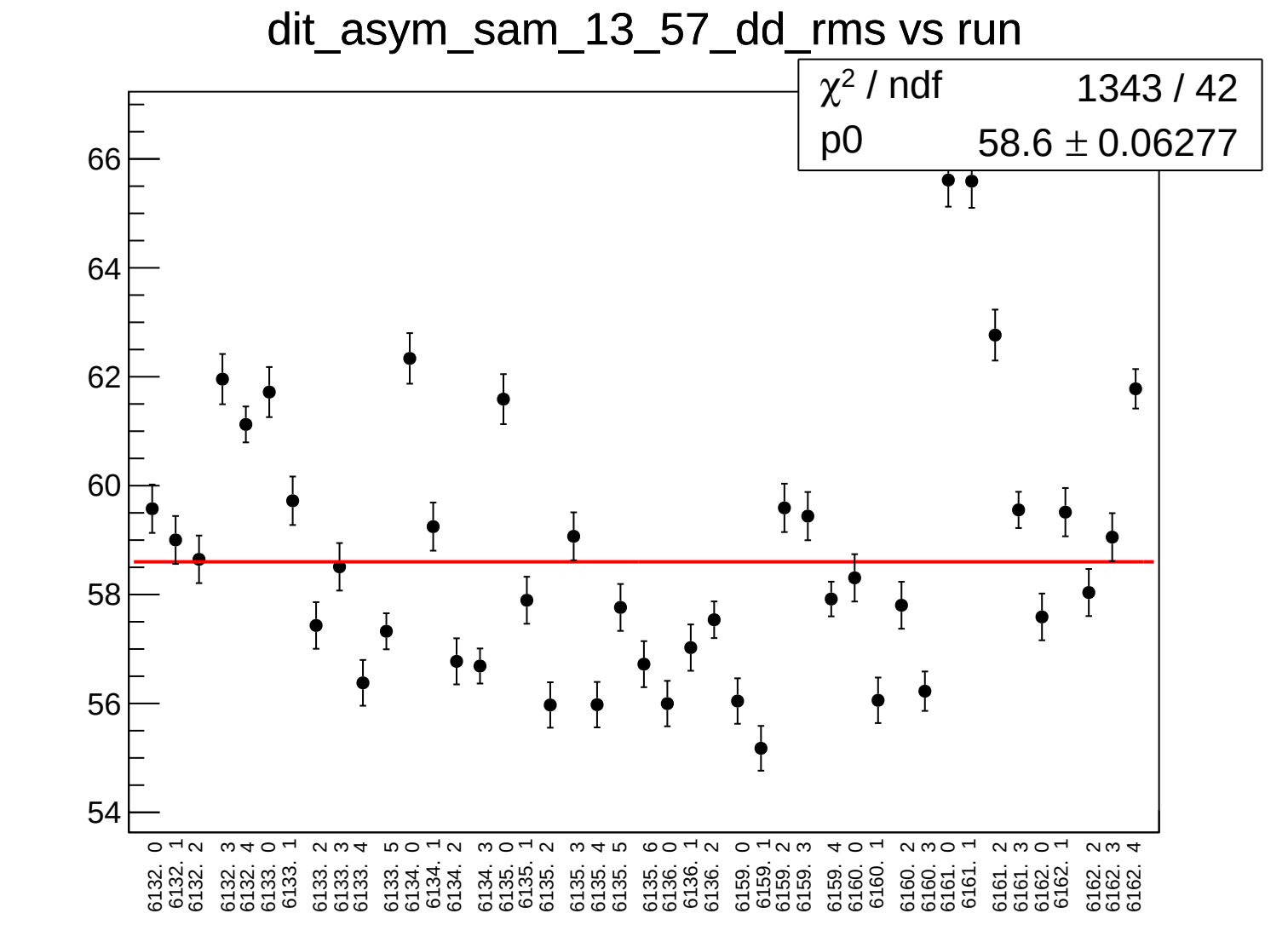

asym_sam_48_dd_mean vs run
χ² / ndf 38.4 / 42
p0 −73.8 ± 2533
60000
40000
20000
0
−20000
−40000
−60000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 78.68
Std Dev 55.76
2
1
0
−1
−2

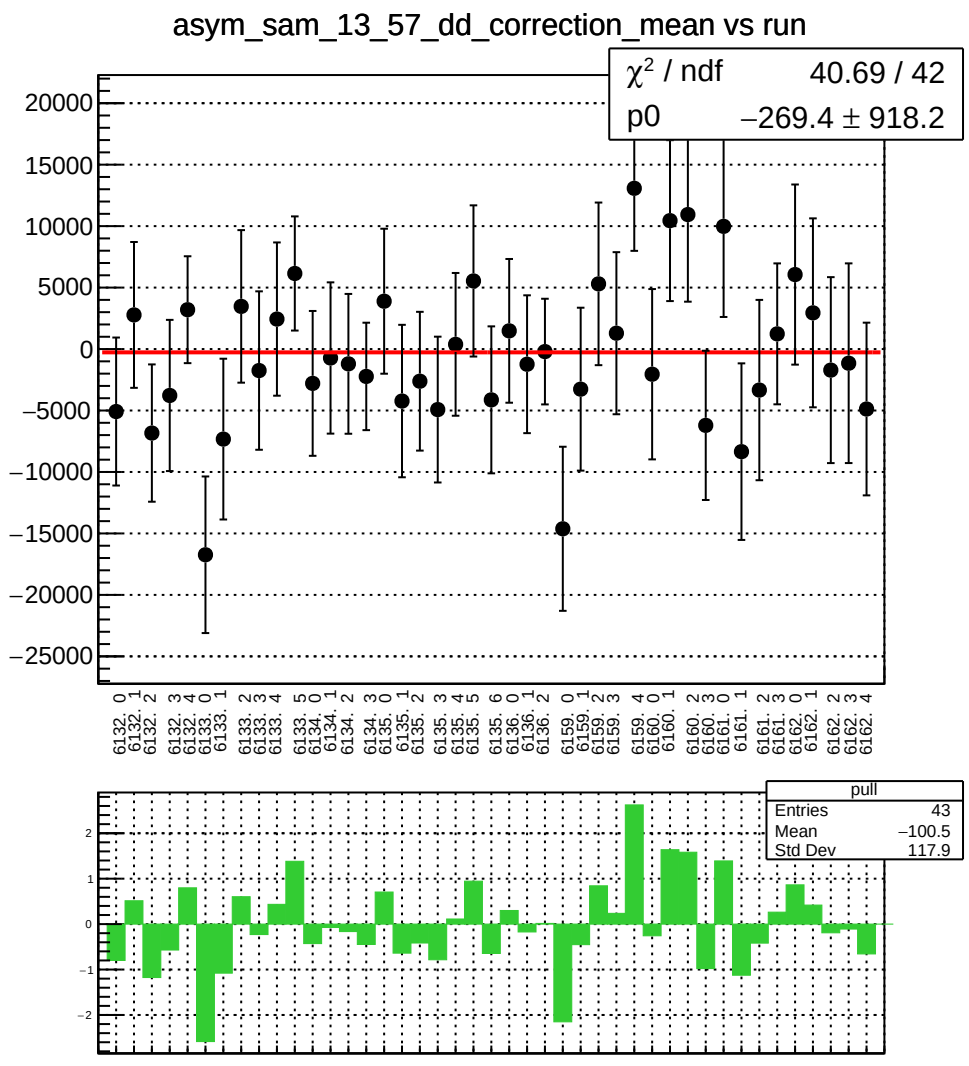

pull1D
Entries 43
Mean −0.04623
Std Dev 0.9438
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

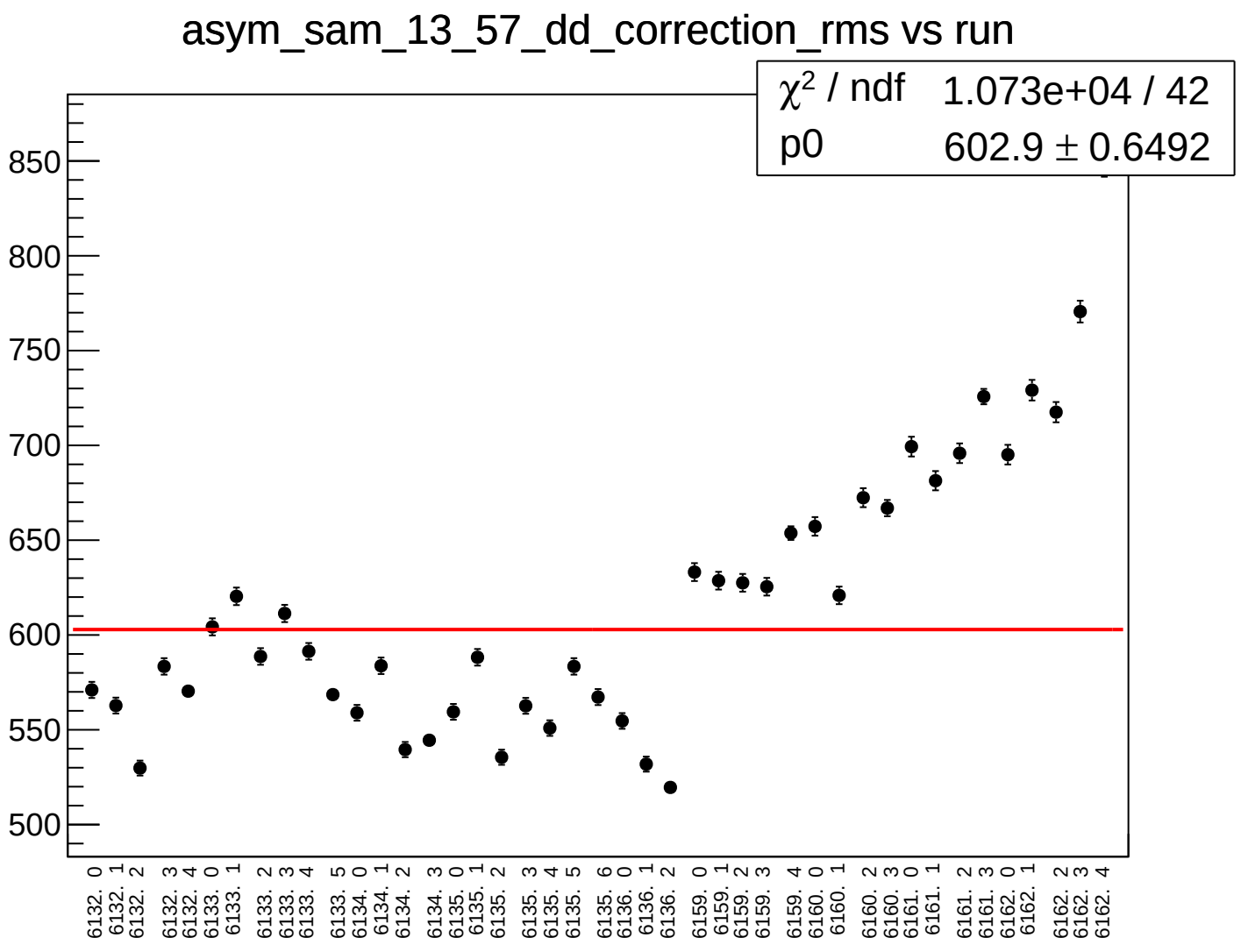

asym_sam_48_dd_rms vs run
χ² / ndf 6.57e+04 / 42
p0 1609 ± 1.791
3500
3000
2500
2000
1500
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

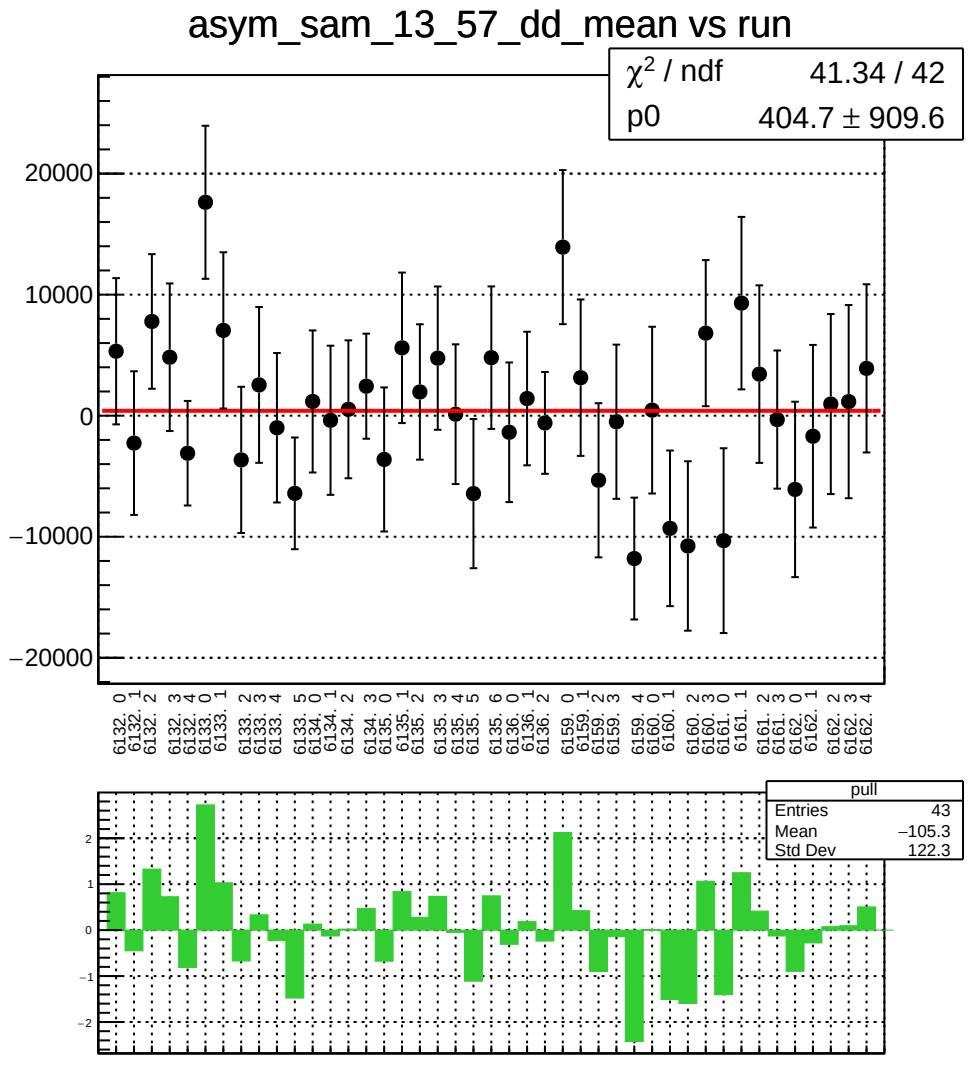

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 40.82 / 42
p0 50.56 ± 88.77
pull
Entries 43
Mean 70.19
Std Dev 109.4

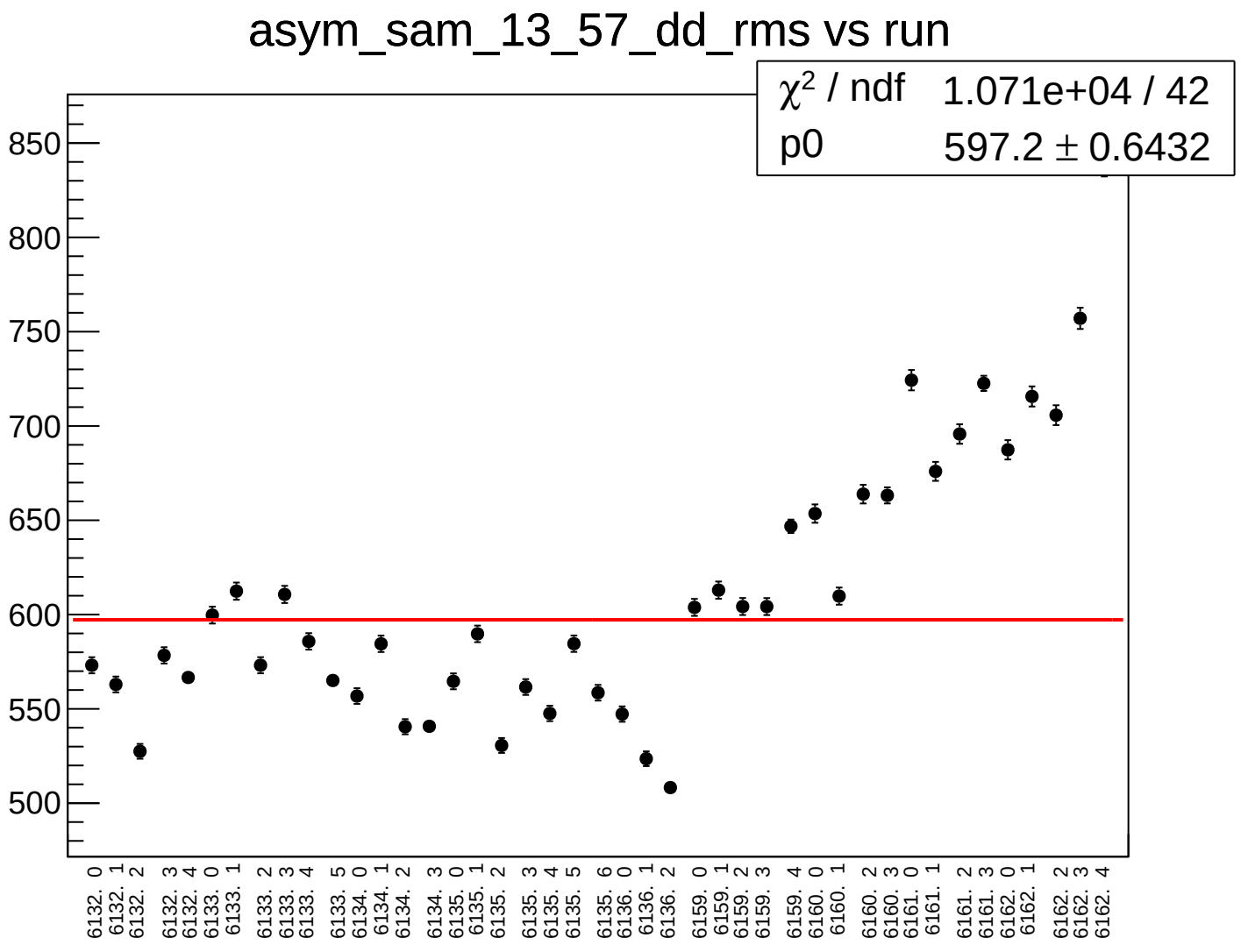

pull1D
Entries 43
Mean −0.001695
Std Dev 0.9743

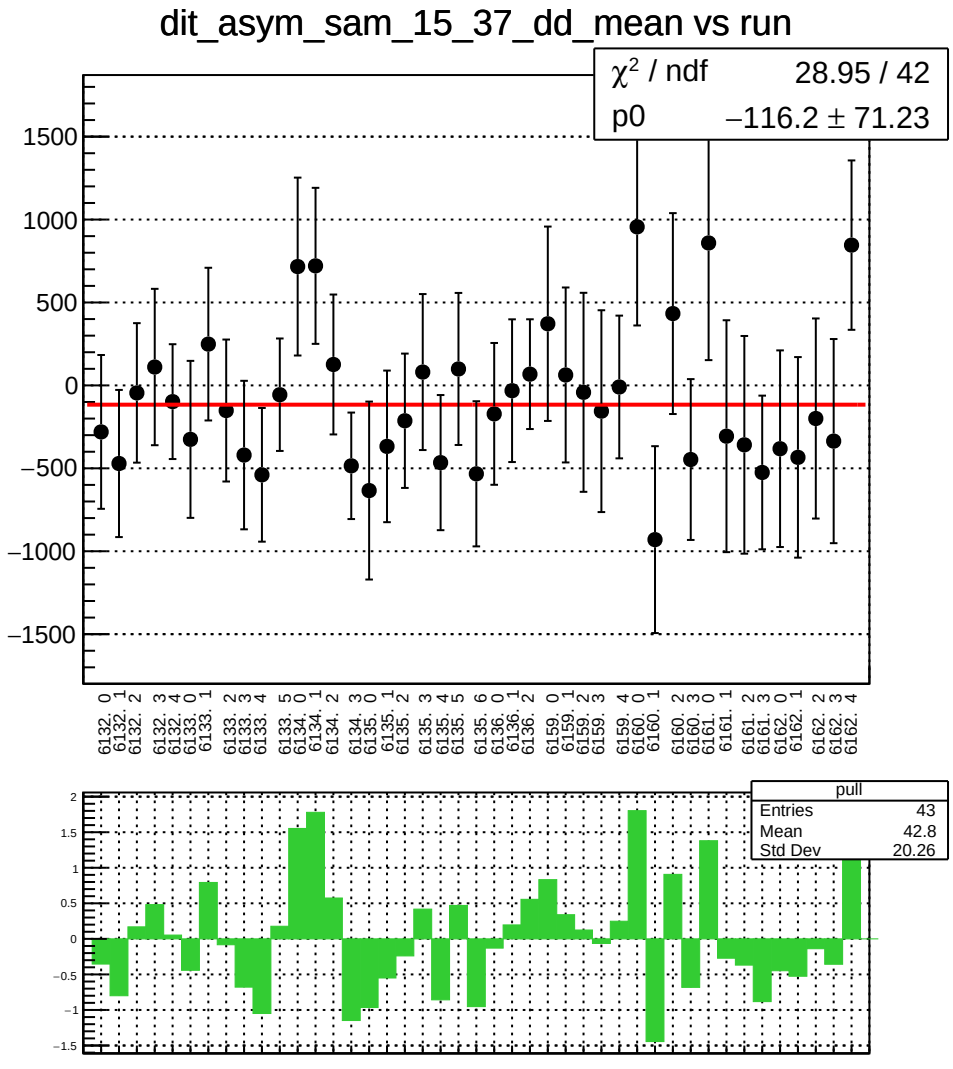

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 1343 / 42
p0 58.6 ± 0.06277
66
64
62
60
58
56
54
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

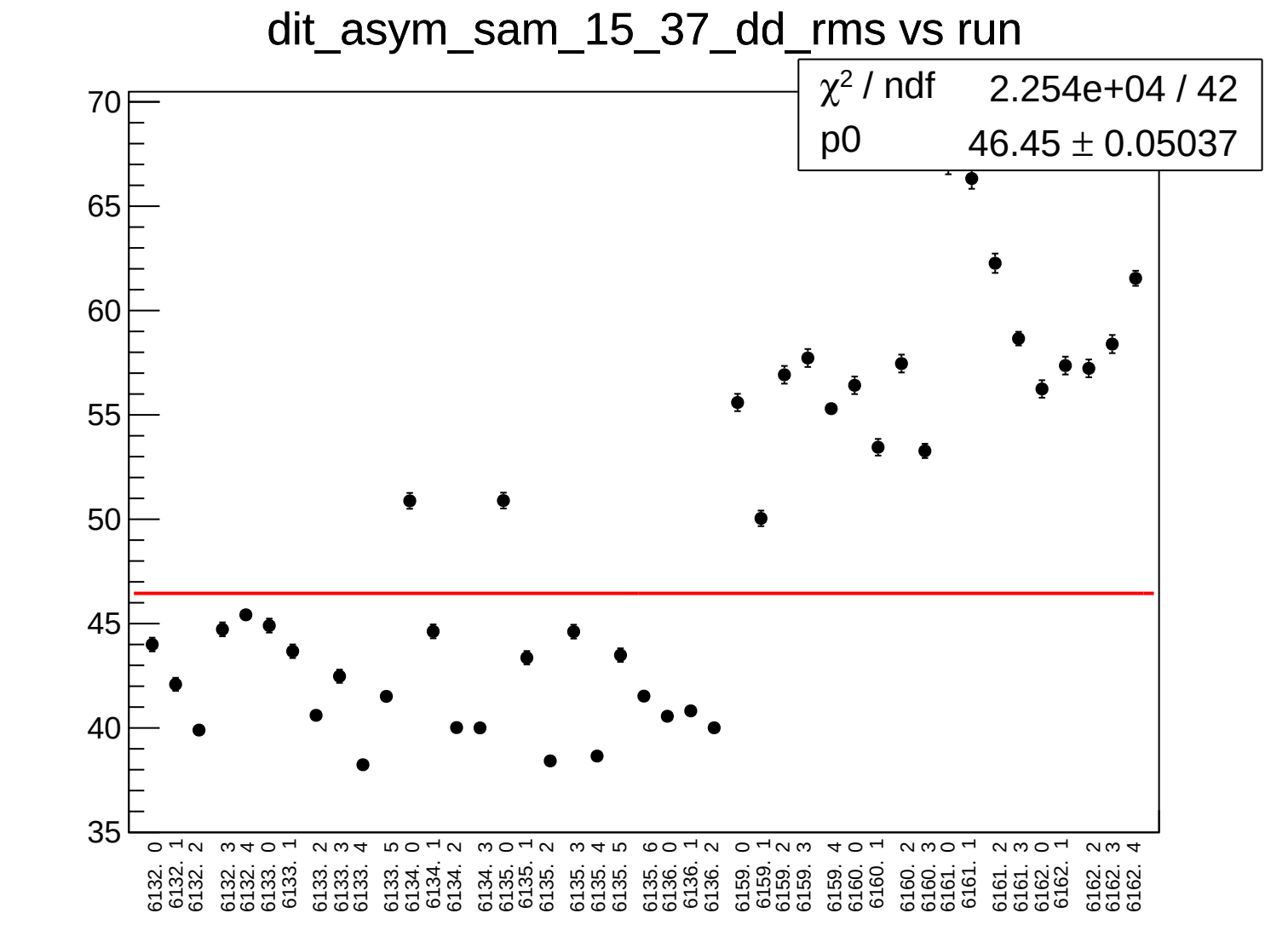

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 40.69 / 42
p0 −269.4 ± 918.2
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −100.5
Std Dev 117.9
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.02056
Std Dev 0.9725
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

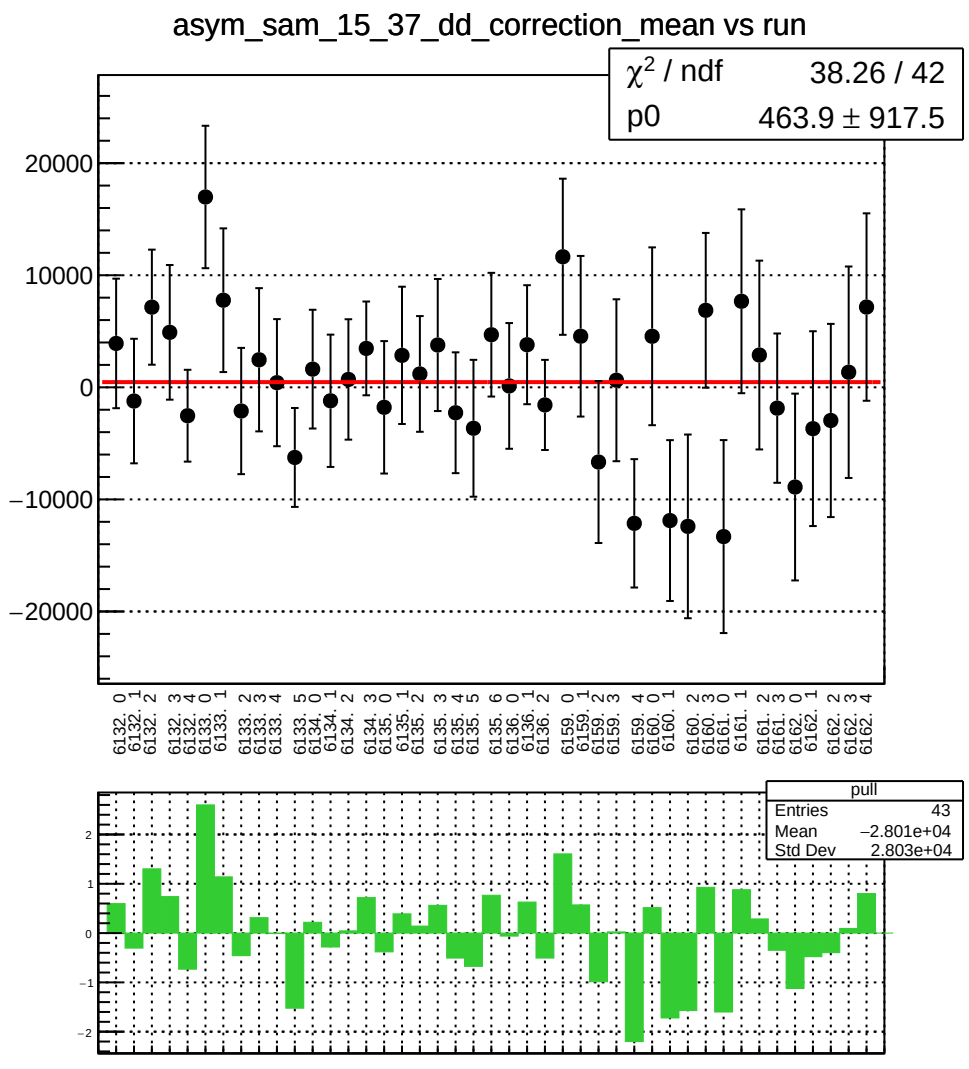

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 1.073e+04 / 42
p0 602.9 ± 0.6492
850
800
750
700
650
600
550
500
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

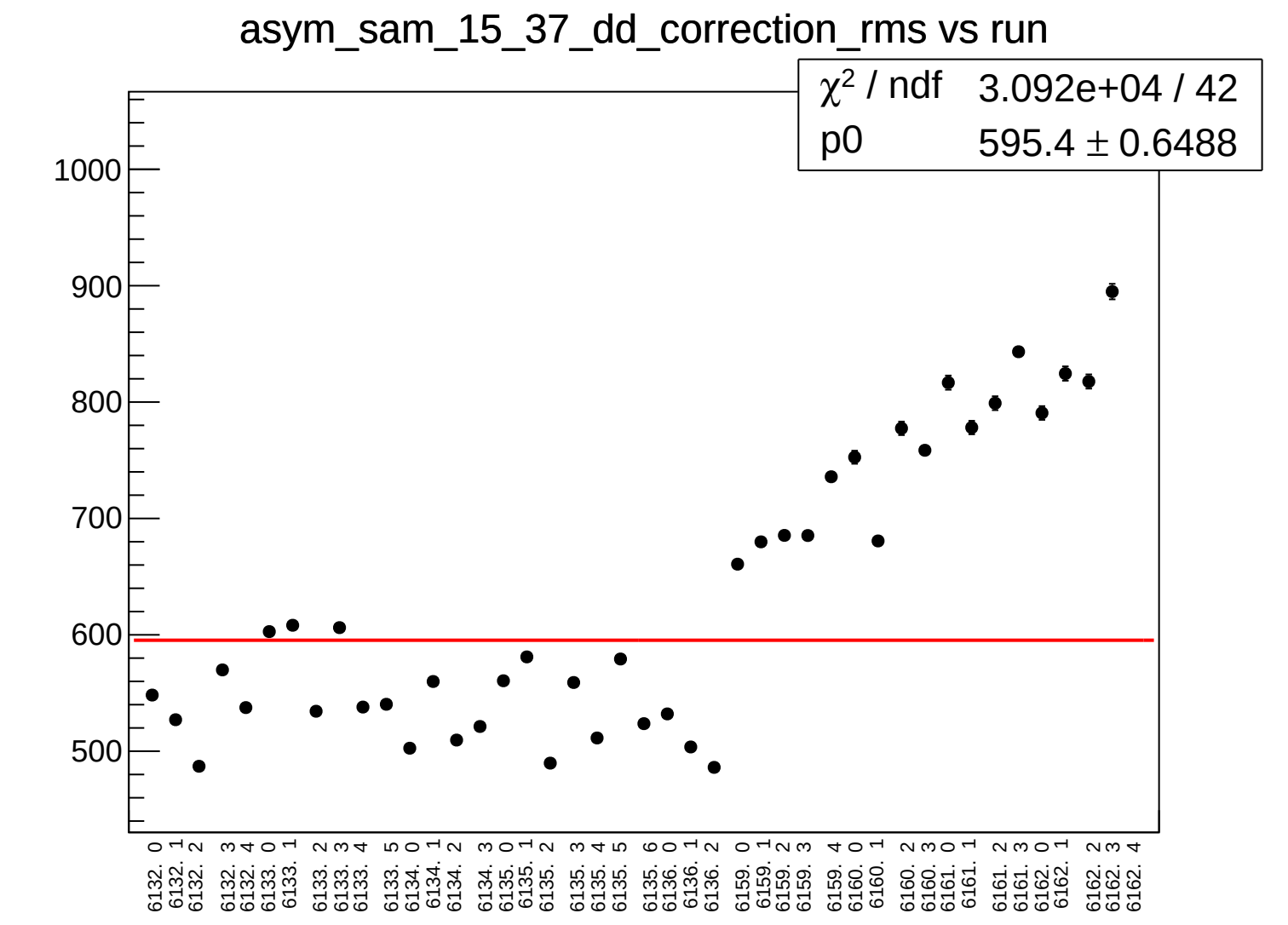

asym_sam_13_57_dd_mean vs run
χ² / ndf 41.34 / 42
p0 404.7 ± 909.6
20000
10000
0
−10000
−20000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −105.3
Std Dev 122.3
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.02055
Std Dev 0.9802
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

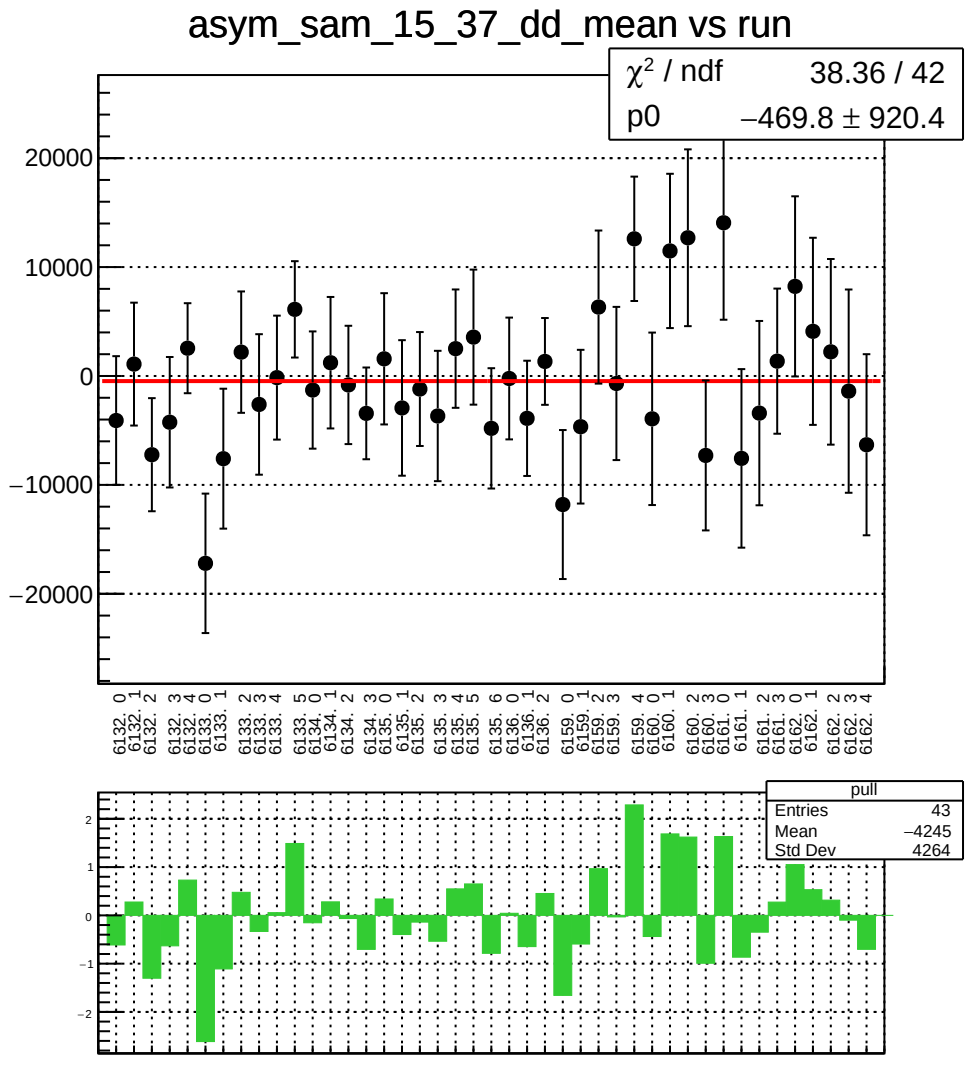

asym_sam_13_57_dd_rms vs run
χ² / ndf 1.071e+04 / 42
p0 597.2 ± 0.6432
850
800
750
700
650
600
550
500
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

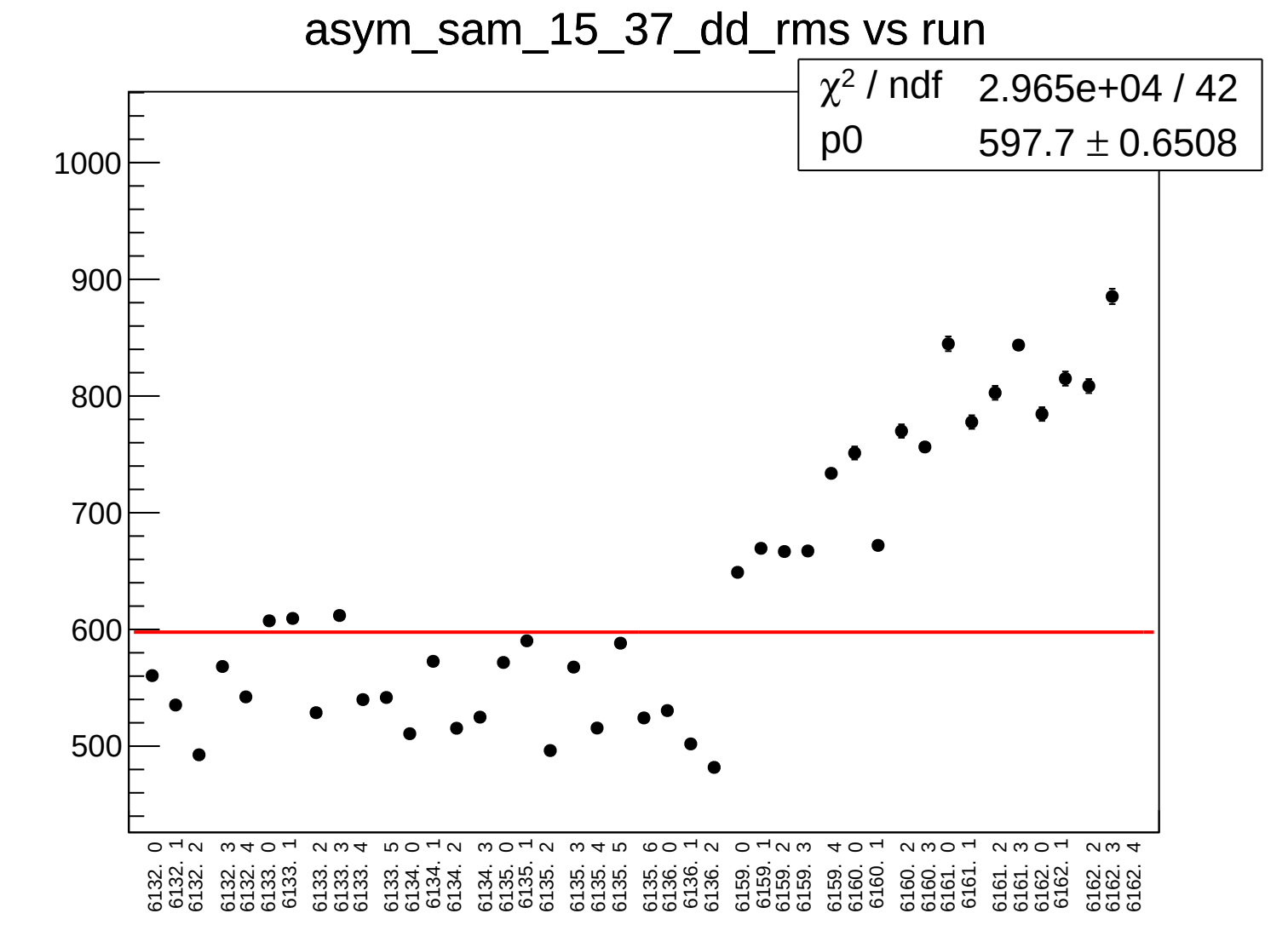

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 28.95 / 42
p0 −116.2 ± 71.23
1500
1000
500
0
−500
−1000
−1500
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 42.8
Std Dev 20.26
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.03041
Std Dev 0.82
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

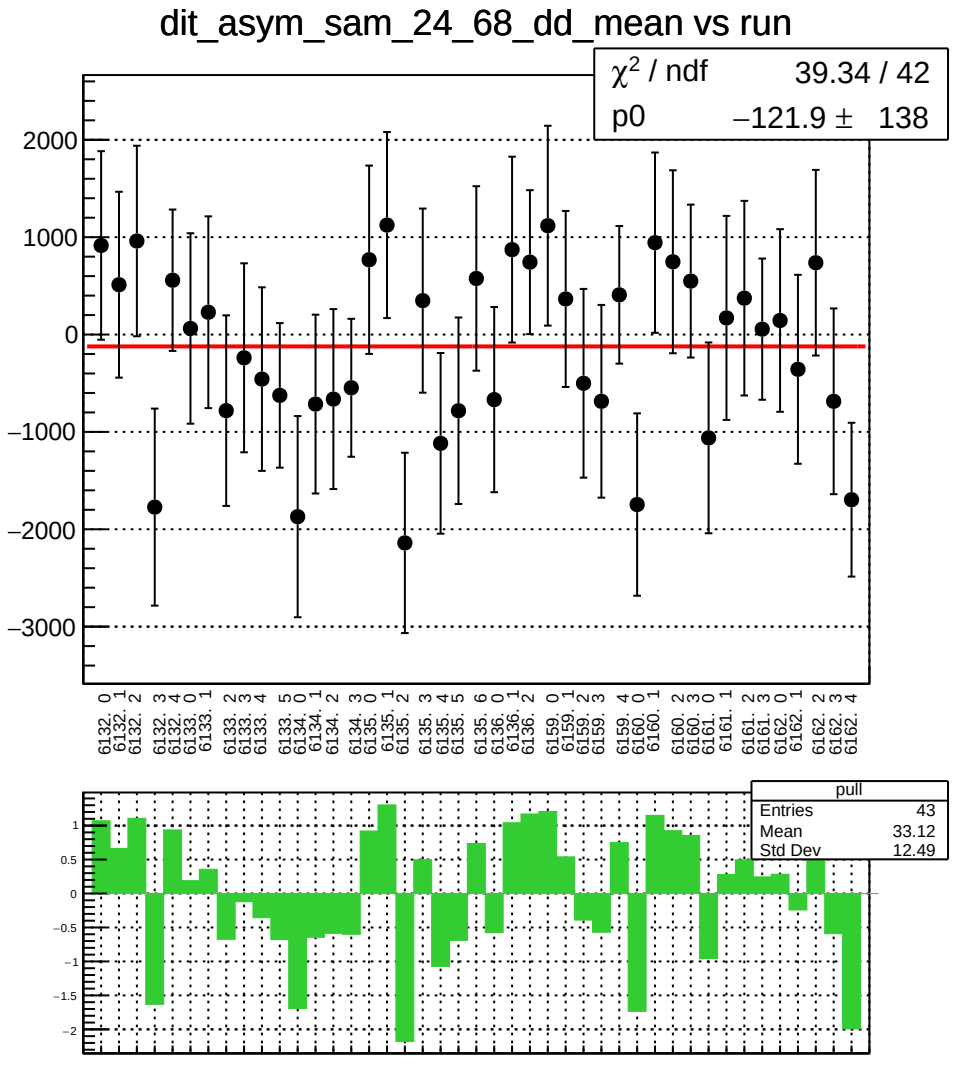

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 2.254e+04 / 42
p0 46.45 ± 0.05037
70
65
60
55
50
45
40
35
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

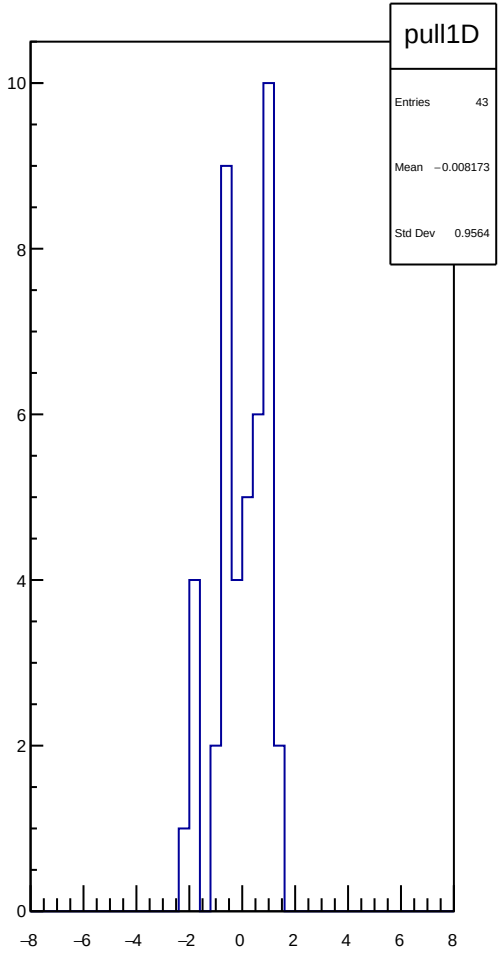

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 38.26 / 42
p0 463.9 ± 917.5
20000
10000
0
−10000
−20000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −2.801e+04
Std Dev 2.803e+04
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.0001131
Std Dev 0.9433
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

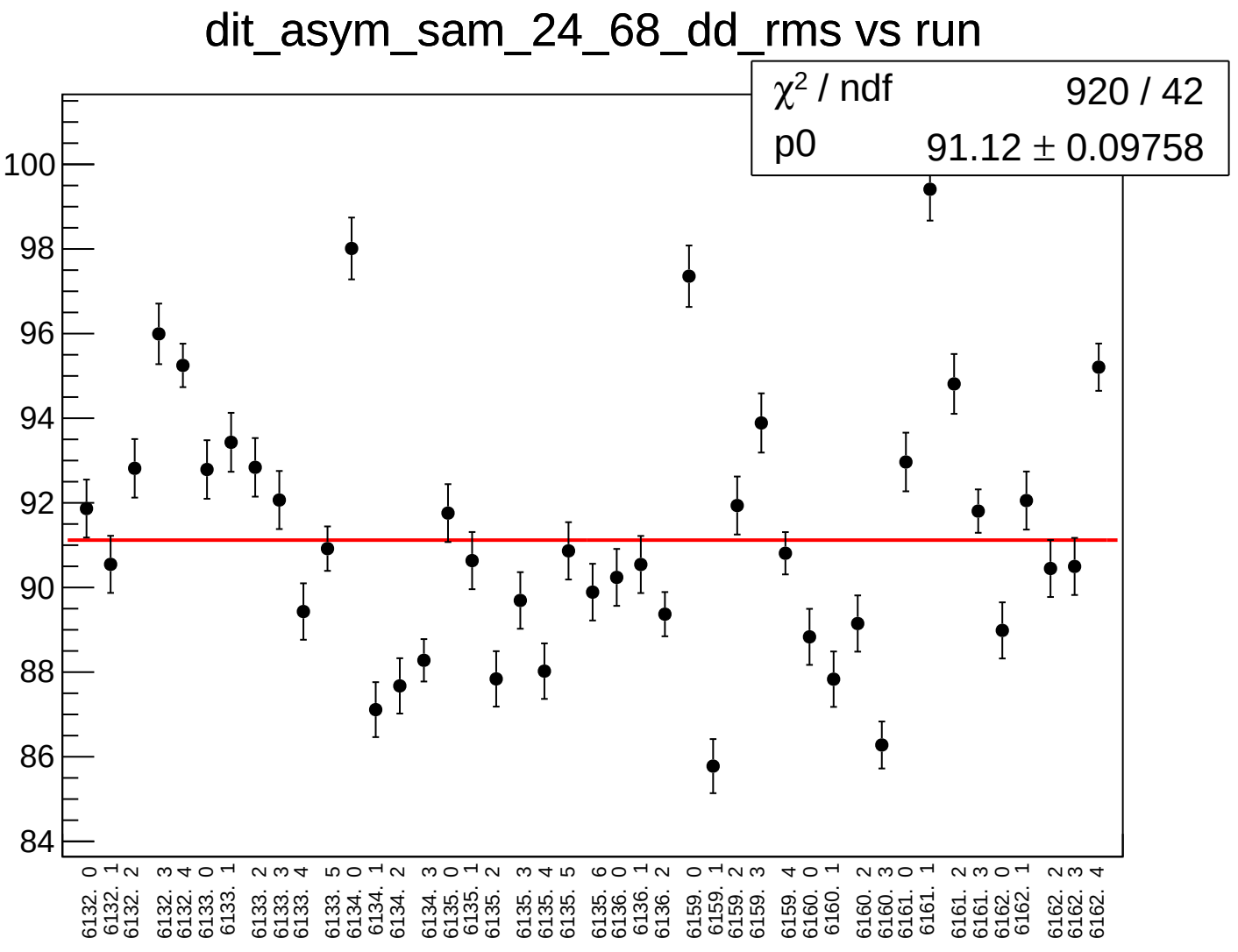

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 3.092e+04 / 42
p0 595.4 ± 0.6488
1000
900
800
700
600
500
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

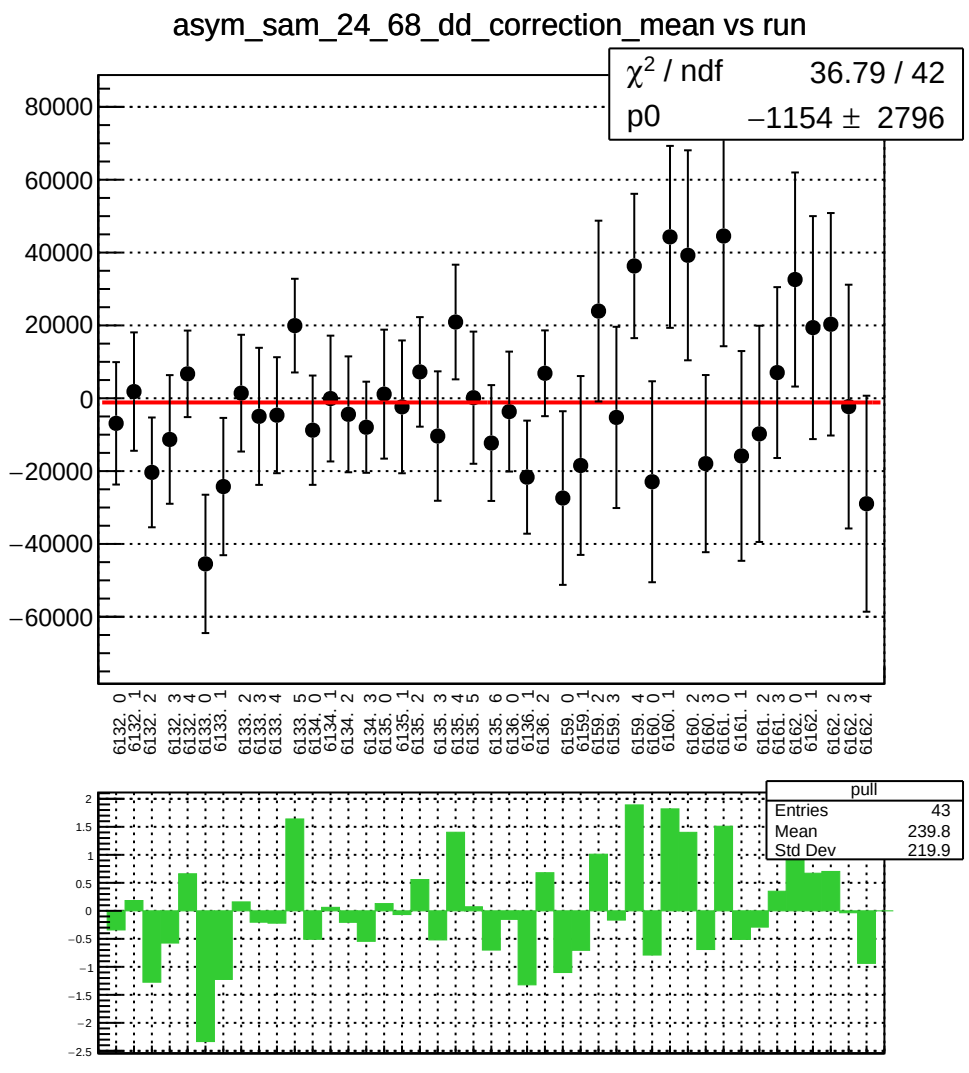

asym_sam_15_37_dd_mean vs run
χ² / ndf 38.36 / 42
p0 −469.8 ± 920.4
20000
10000
0
−10000
−20000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −4245
Std Dev 4264
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.0007257
Std Dev 0.9446
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

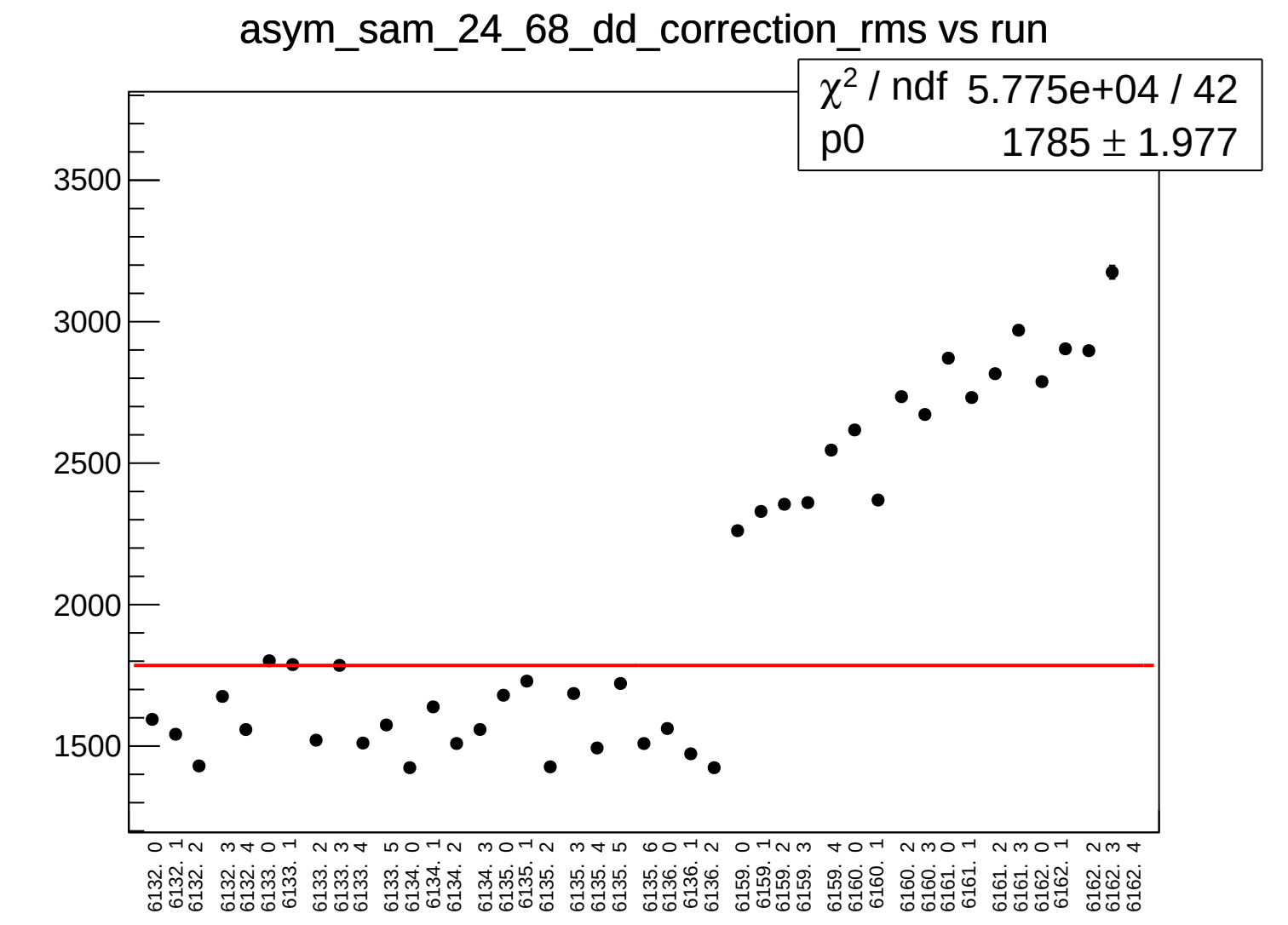

asym_sam_15_37_dd_rms vs run
χ² / ndf 2.965e+04 / 42
p0 597.7 ± 0.6508
1000
900
800
700
600
500
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

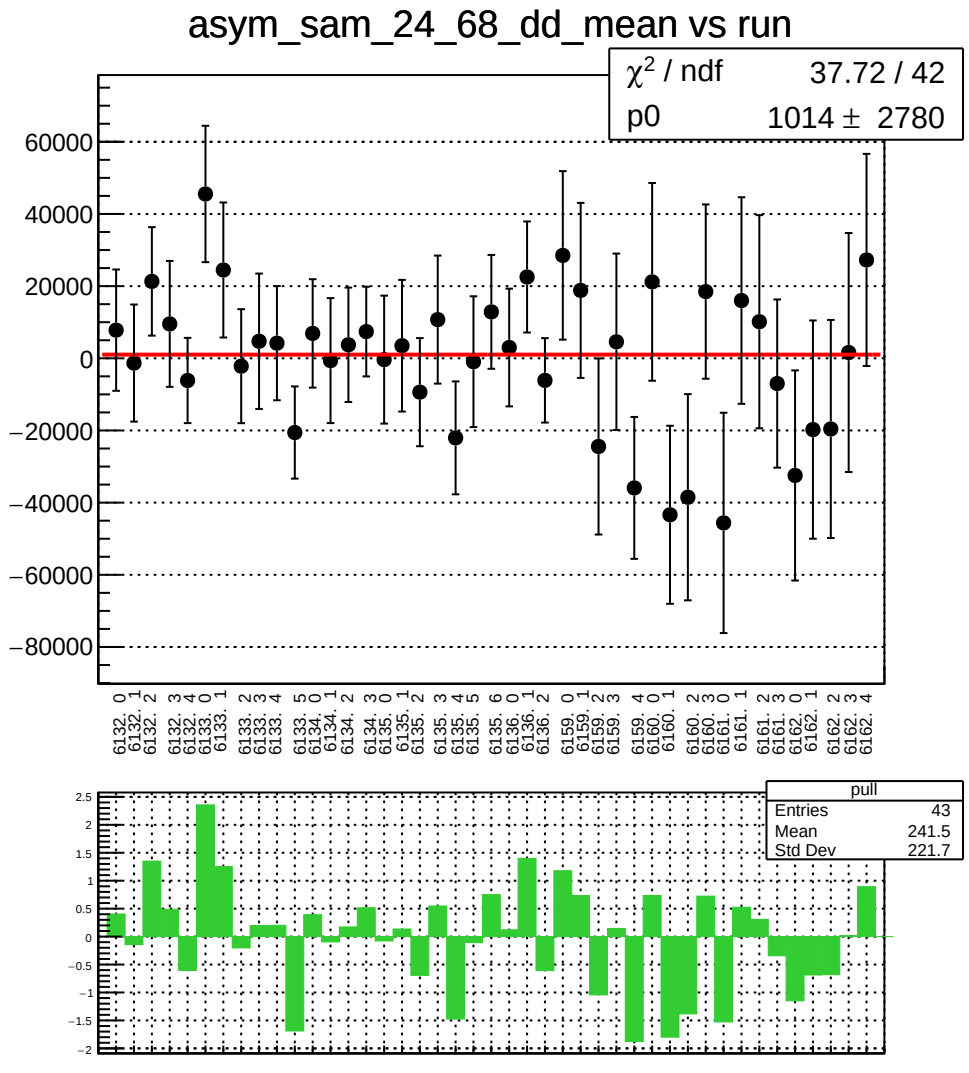

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 39.34 / 42
p0 −121.9 ± 138
2000
1000
0
−1000
−2000
−3000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 33.12
Std Dev 12.49
1
0.5
0
−0.5
−1
−1.5
−2

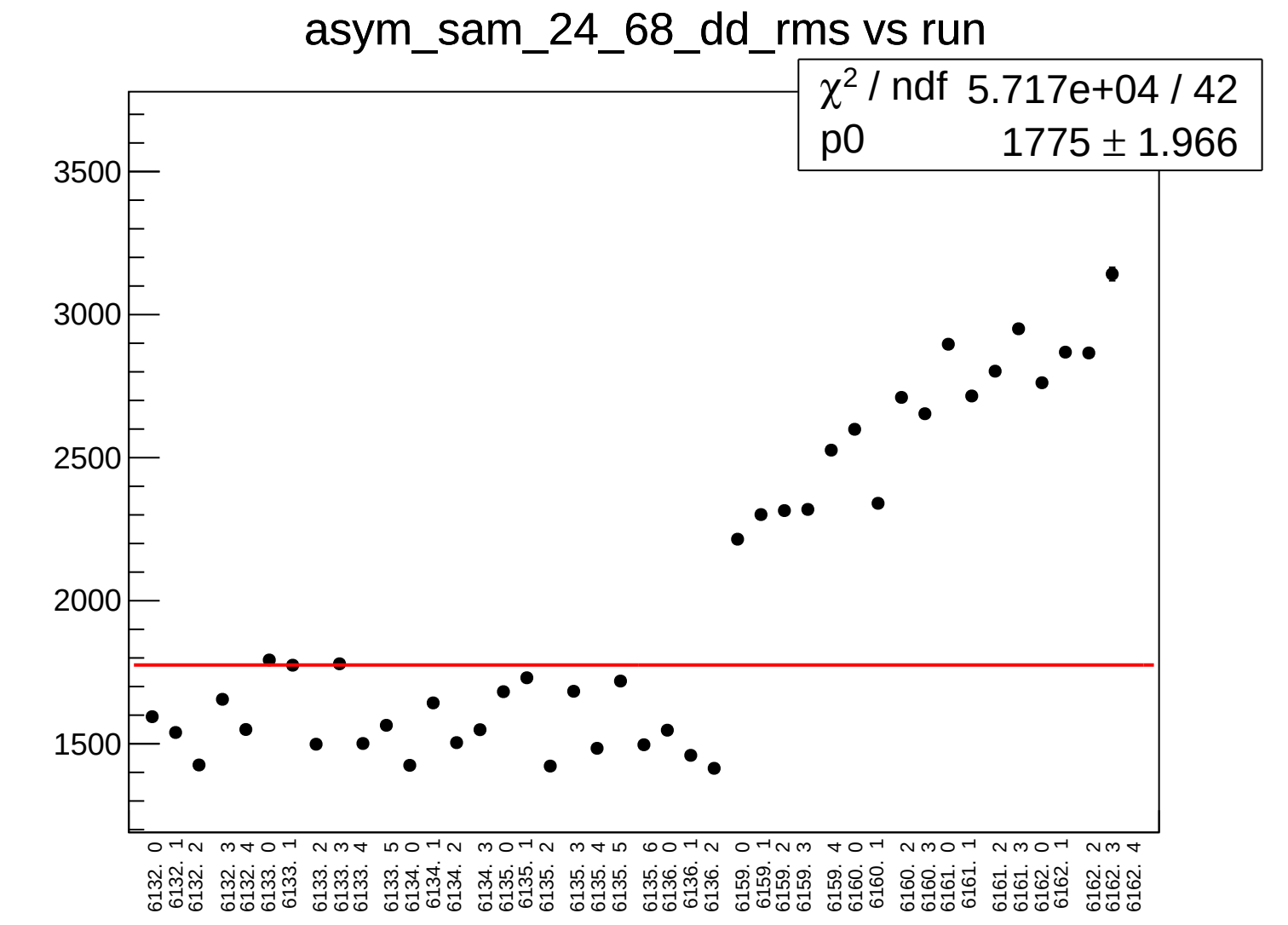

pull1D
Entries 43
Mean −0.008173
Std Dev 0.9564
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

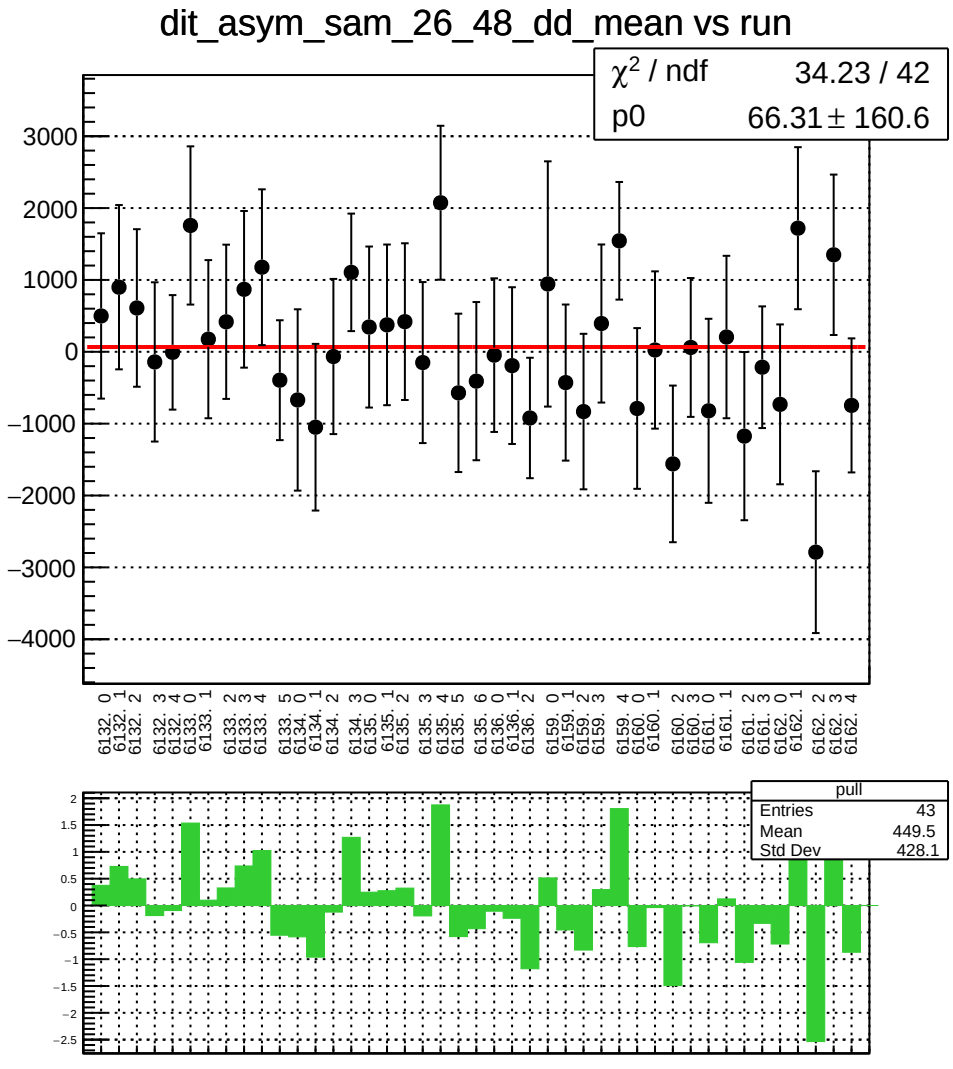

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 920 / 42
p0 91.12 ± 0.09758
100
98
96
94
92
90
88
86
84
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

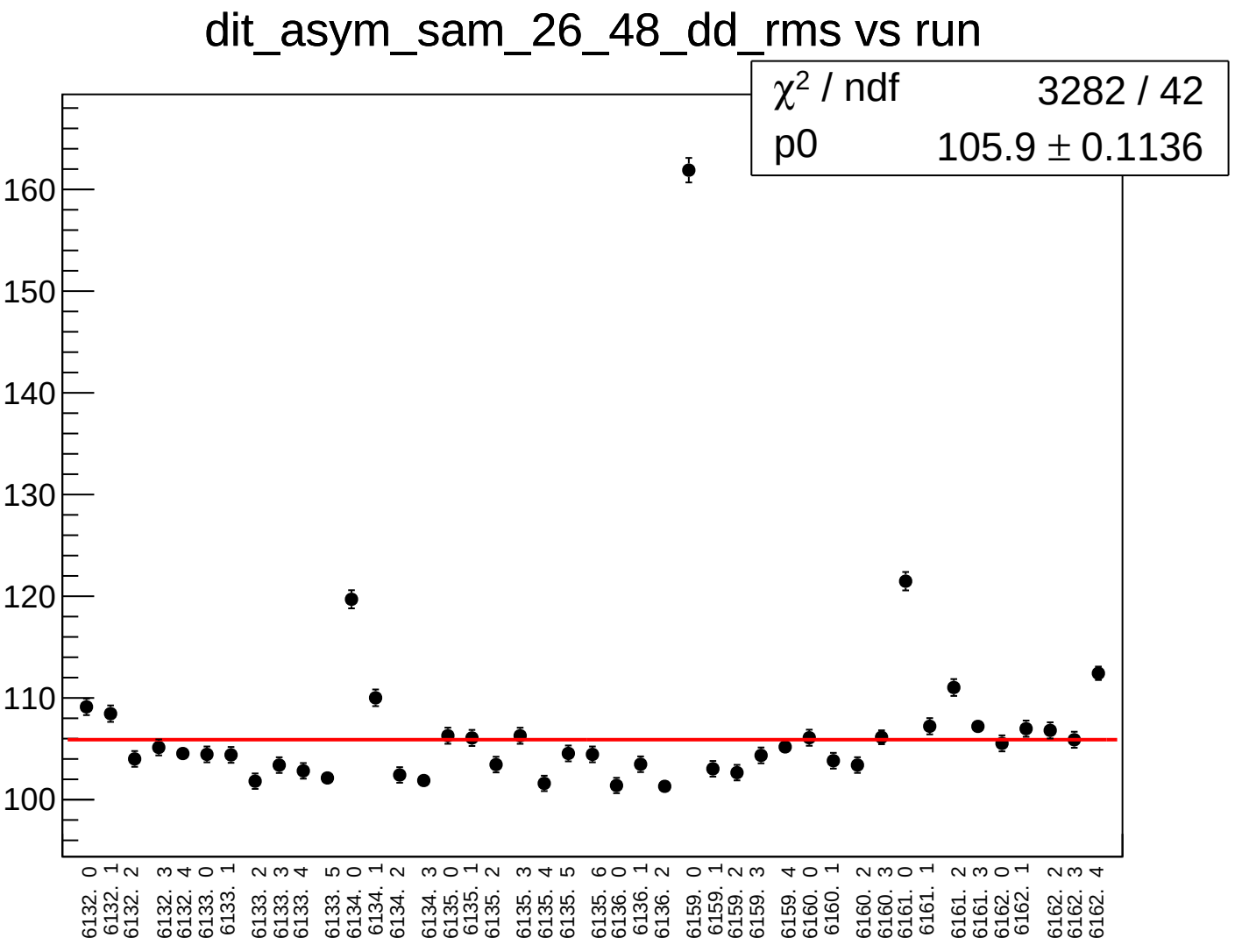

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 36.79 / 42
p0 −1154 ± 2796
80000
60000
40000
20000
0
−20000
−40000
−60000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 239.8
Std Dev 219.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean 0.01506
Std Dev 0.9249
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

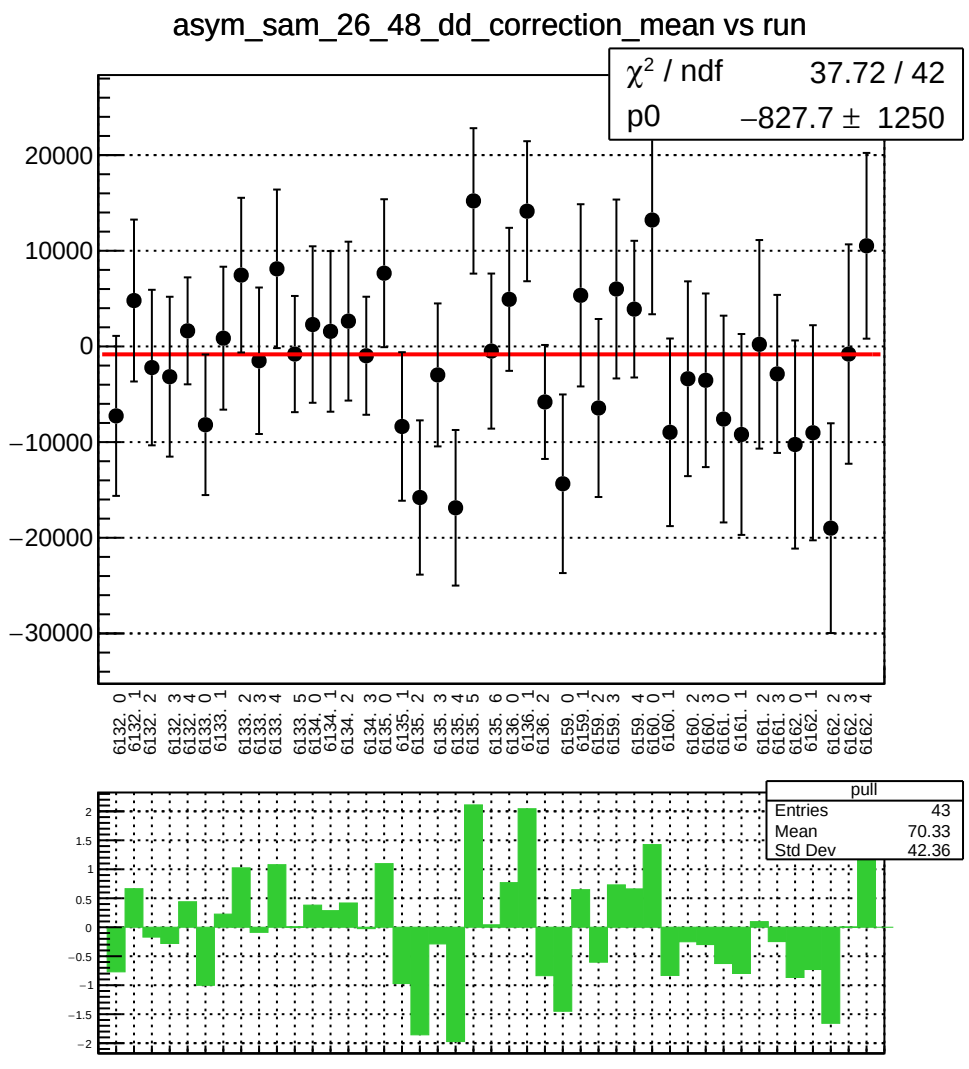

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 5.775e+04 / 42
p0 1785 ± 1.977
3500
3000
2500
2000
1500
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

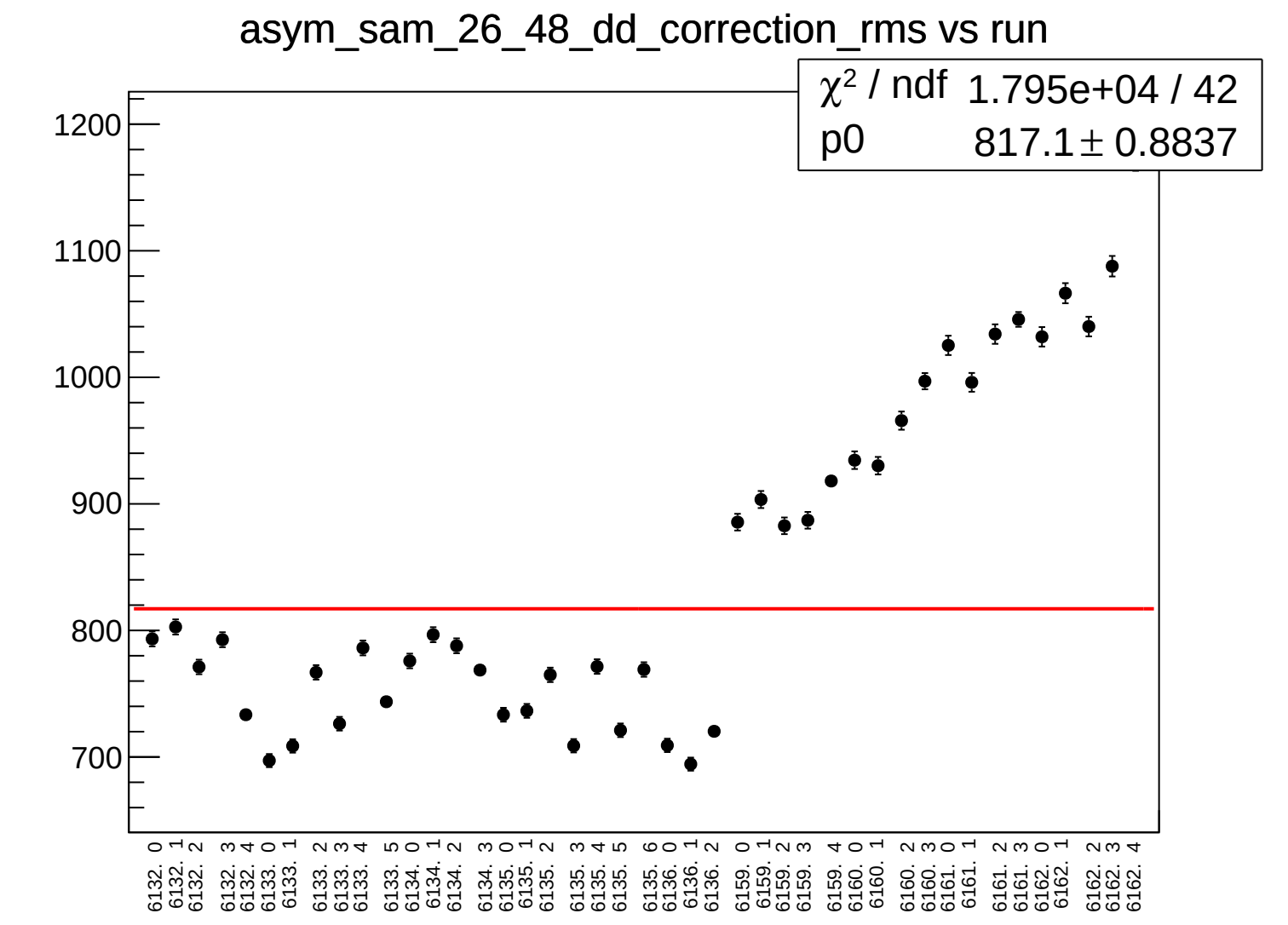

asym_sam_24_68_dd_mean vs run
χ² / ndf 37.72 / 42
p0 1014 ± 2780
60000
40000
20000
0
−20000
−40000
−60000
−80000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 241.5
Std Dev 221.7
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.01498
Std Dev 0.9365
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

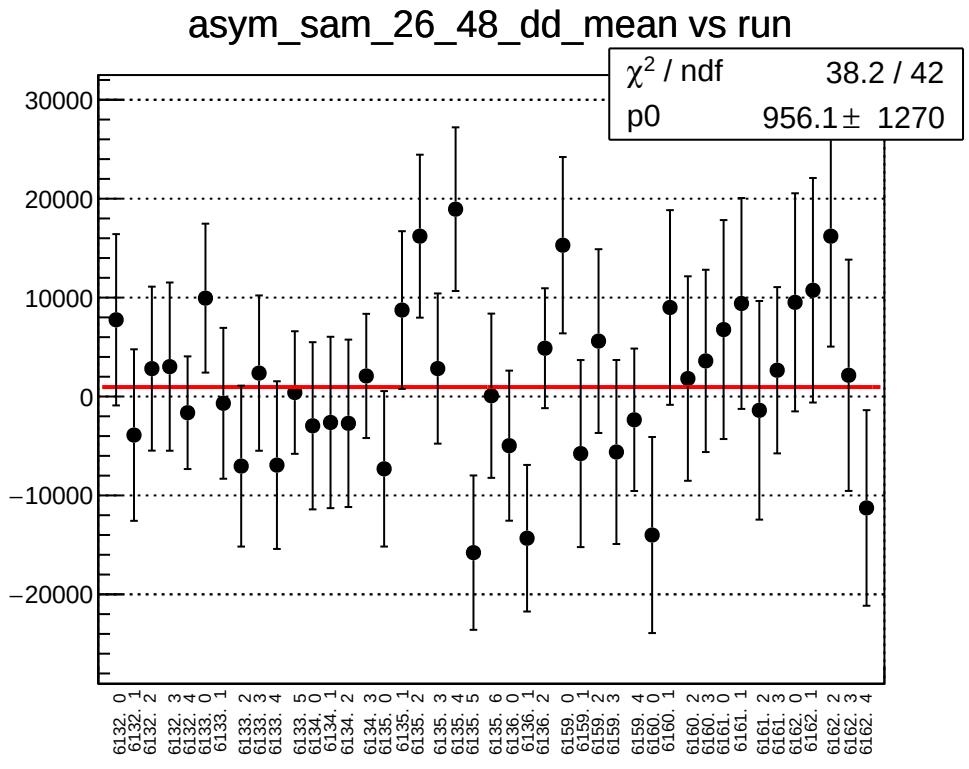

asym_sam_24_68_dd_rms vs run
χ² / ndf 5.717e+04 / 42
p0 1775 ± 1.966
3500
3000
2500
2000
1500
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

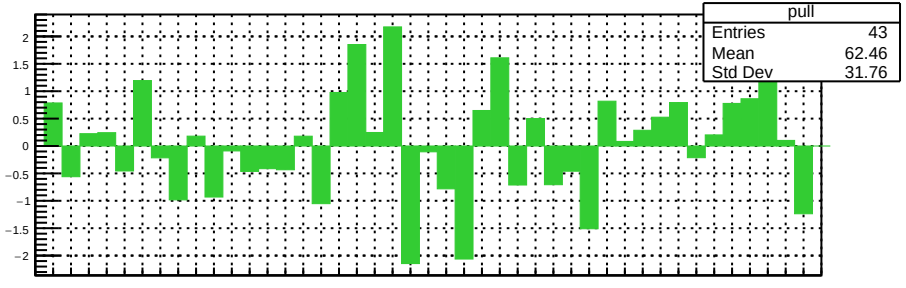

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 34.23 / 42
p0 66.31 ± 160.6
3000
2000
1000
0
−1000
−2000
−3000
−4000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 449.5
Std Dev 428.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean −0.008033
Std Dev 0.8922
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

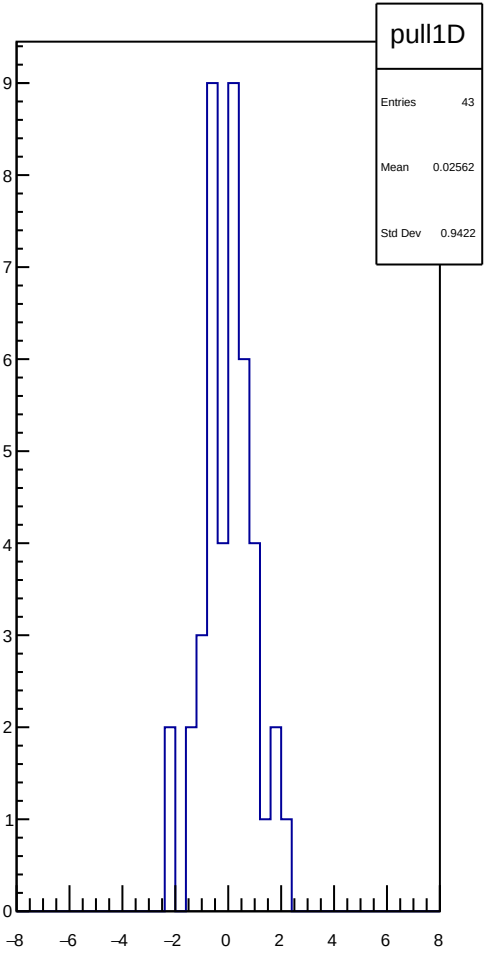

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 3282 / 42
p0 105.9 ± 0.1136
160
150
140
130
120
110
100
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

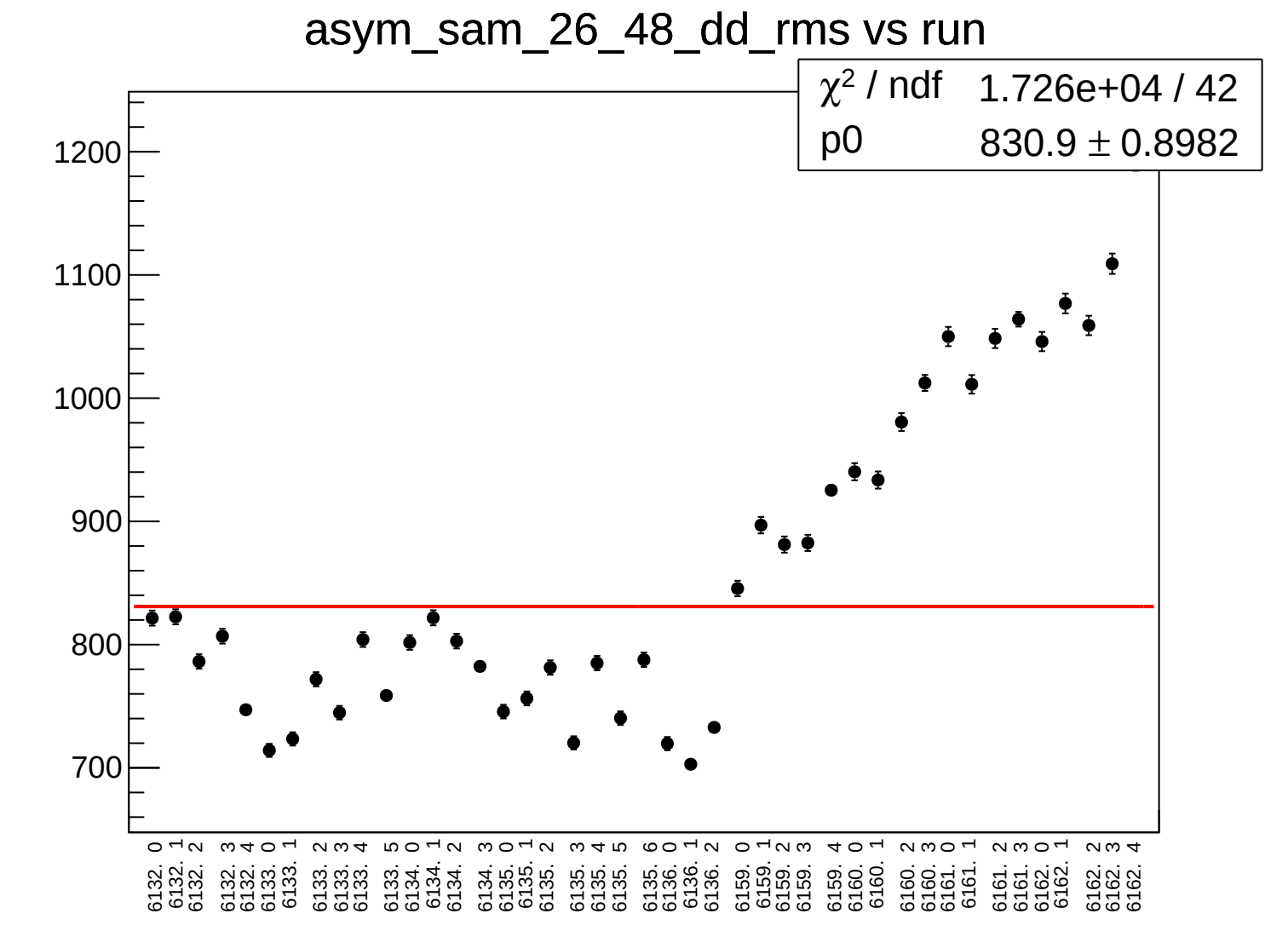

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 37.72 / 42
p0 −827.7 ± 1250
20000
10000
0
−10000
−20000
−30000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 70.33
Std Dev 42.36
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.02995
Std Dev 0.9361
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

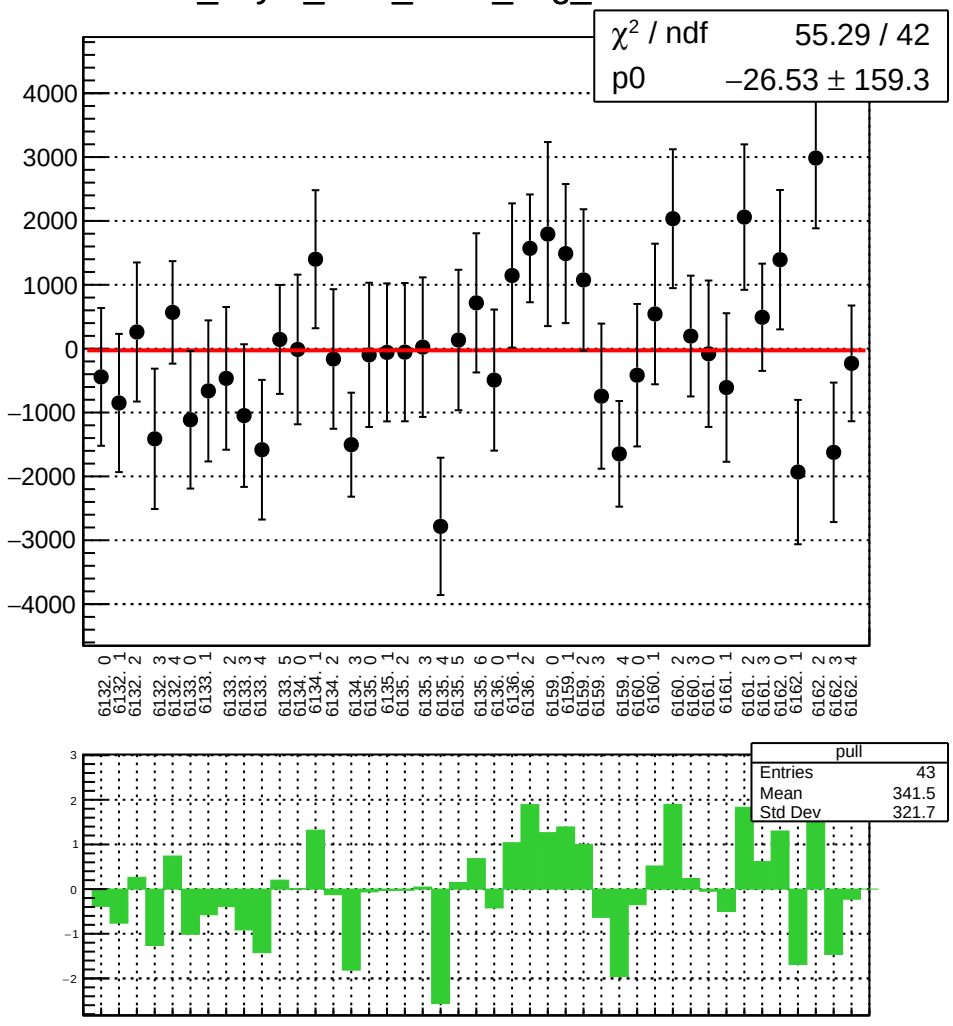

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 1.795e+04 / 42
p0 817.1 ± 0.8837
1200
1100
1000
900
800
700
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

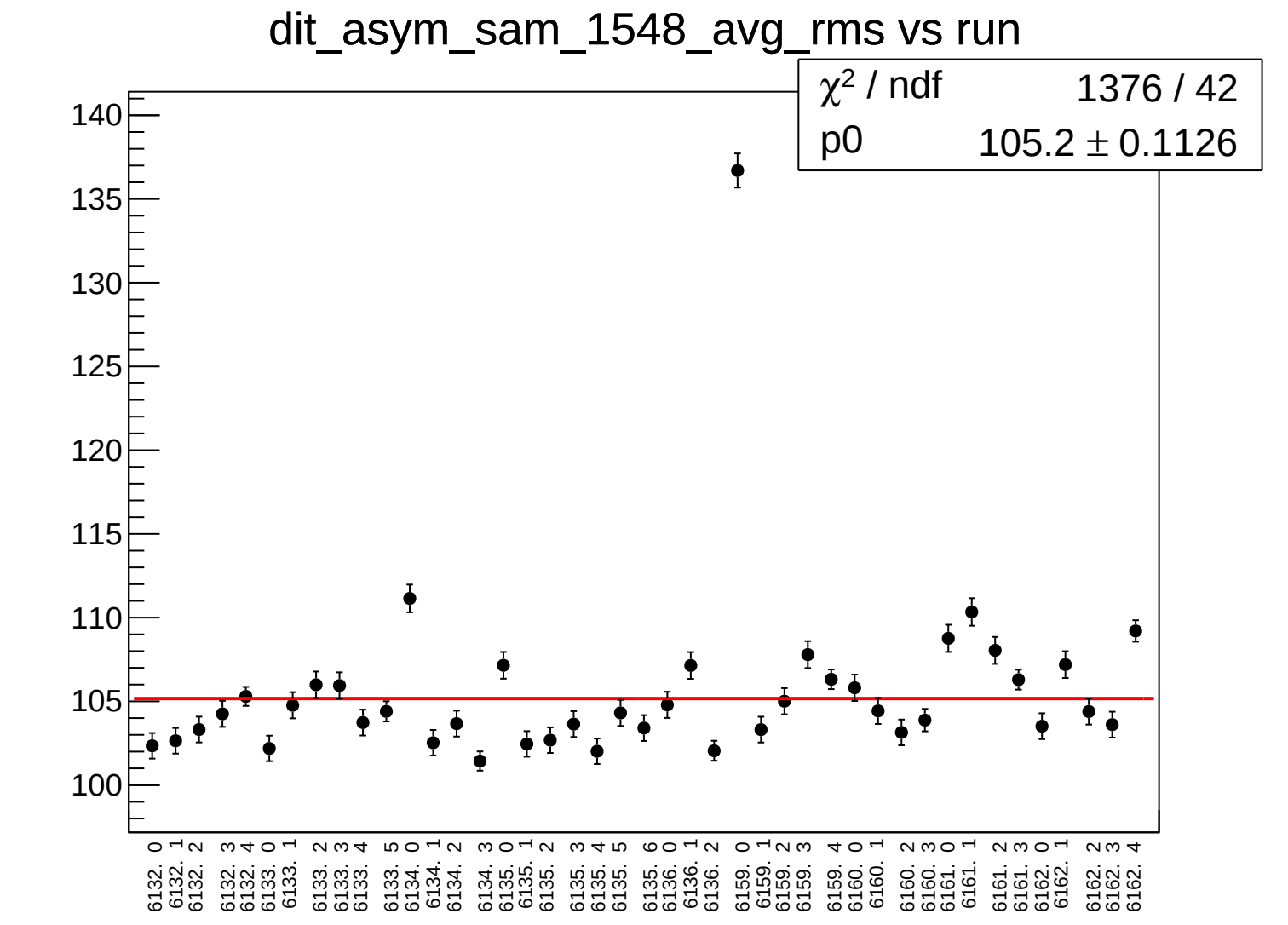

asym_sam_26_48_dd_mean vs run
χ² / ndf 38.2 / 42
p0 956.1 ± 1270
30000
20000
10000
0
−10000
−20000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

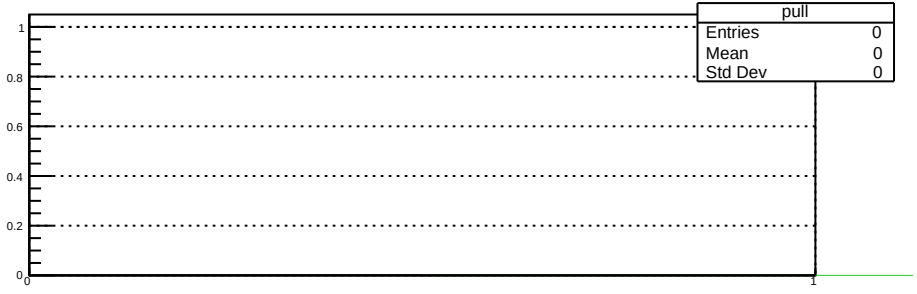

pull
Entries 43
Mean 62.46
Std Dev 31.76
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

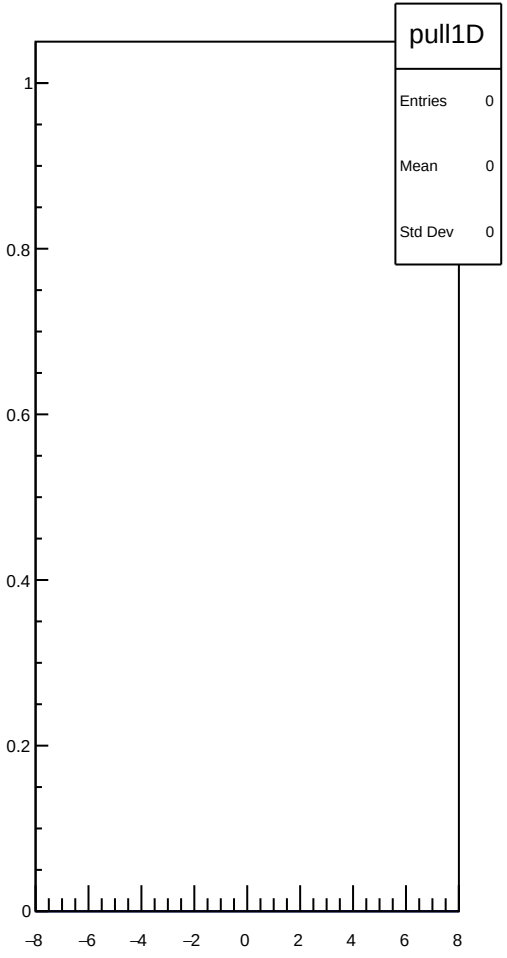

pull1D
Entries 43
Mean 0.02562
Std Dev 0.9422
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

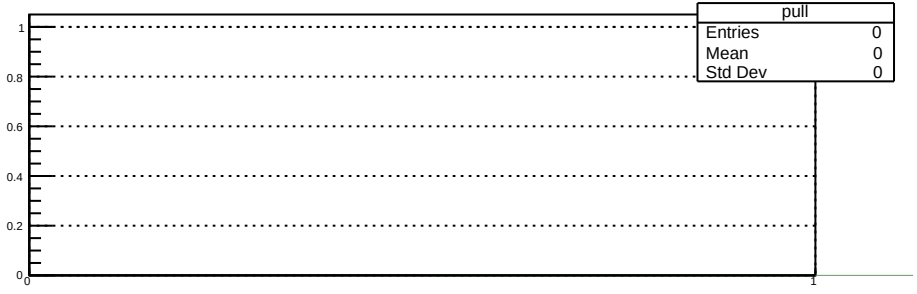

asym_sam_26_48_dd_rms vs run
χ² / ndf 1.726e+04 / 42
p0 830.9 ± 0.8982
1200
1100
1000
900
800
700
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

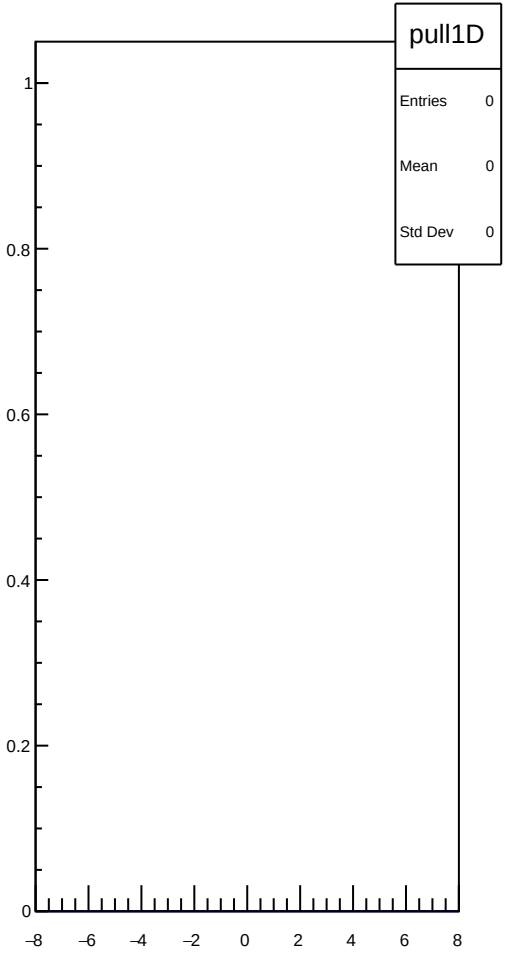

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 55.29 / 42
p0 −26.53 ± 159.3
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 341.5
Std Dev 321.7
3
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.01185
Std Dev 1.134
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

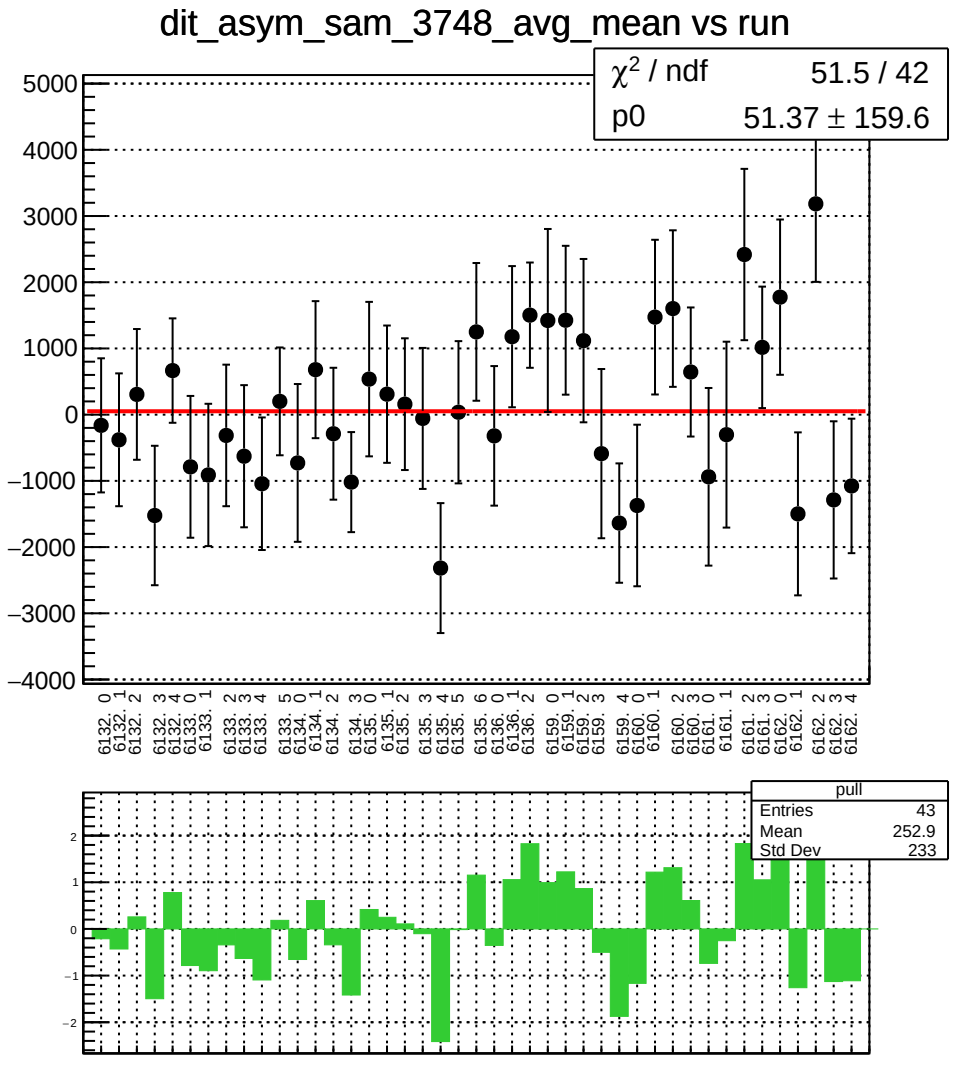

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 1376 / 42
p0 105.2 ± 0.1126
140
135
130
125
120
115
110
105
100
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

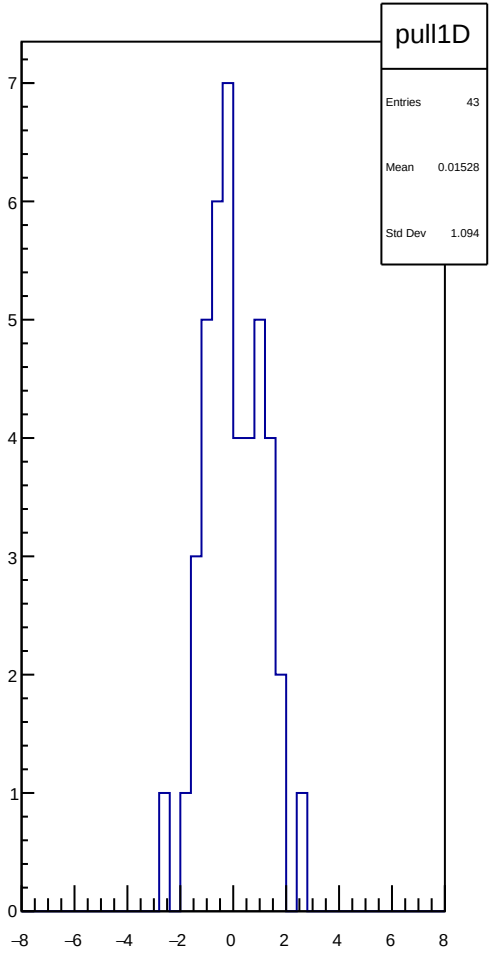

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

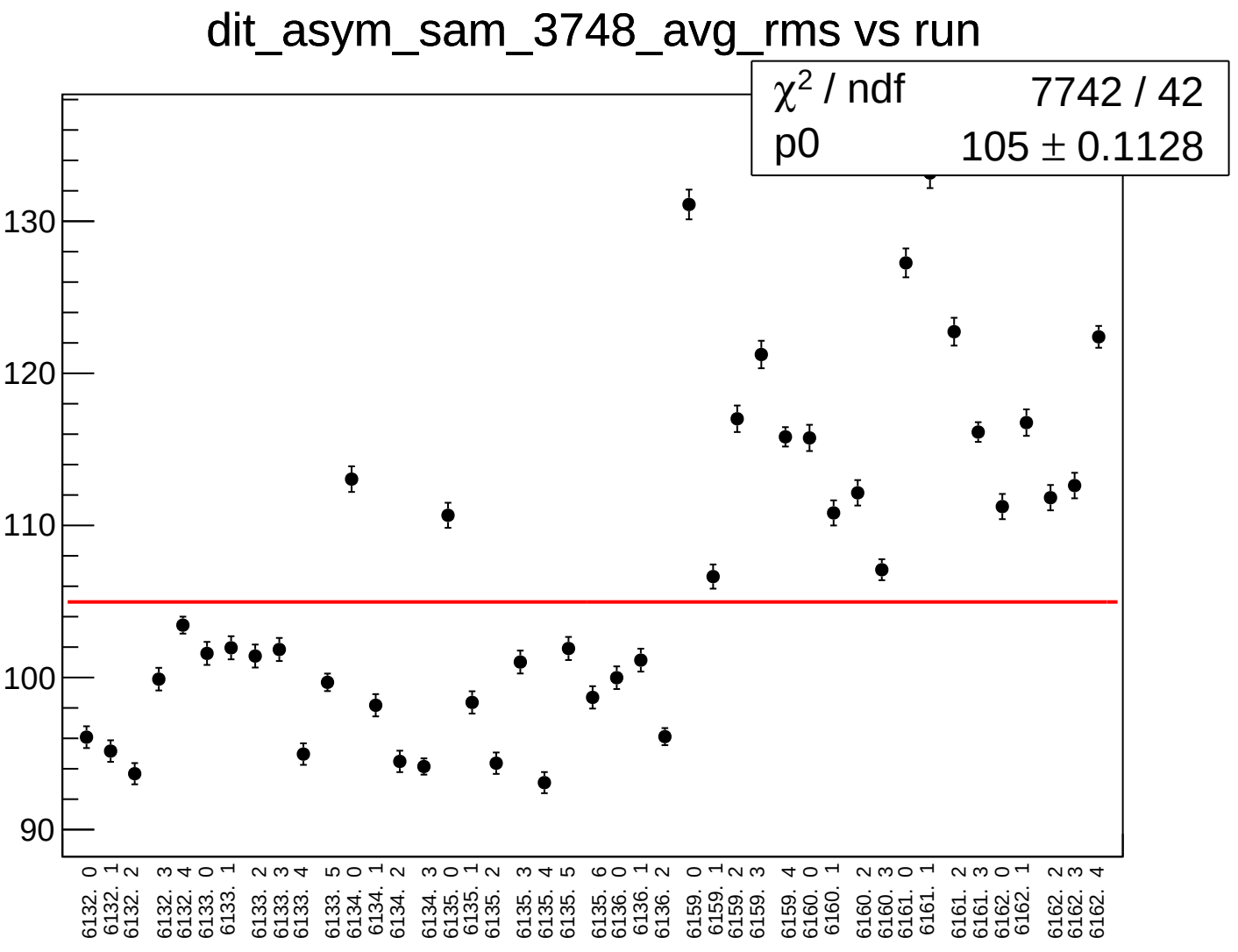

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

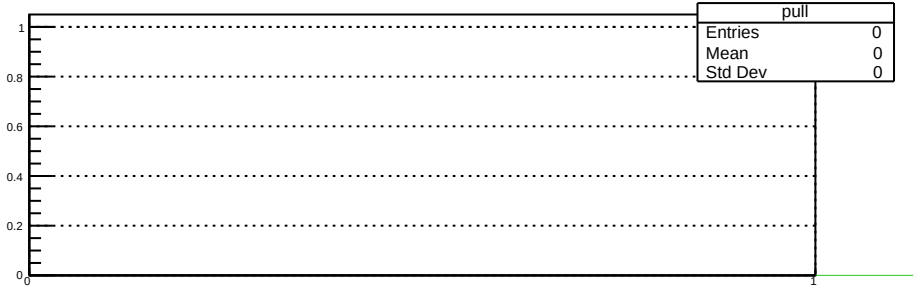

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

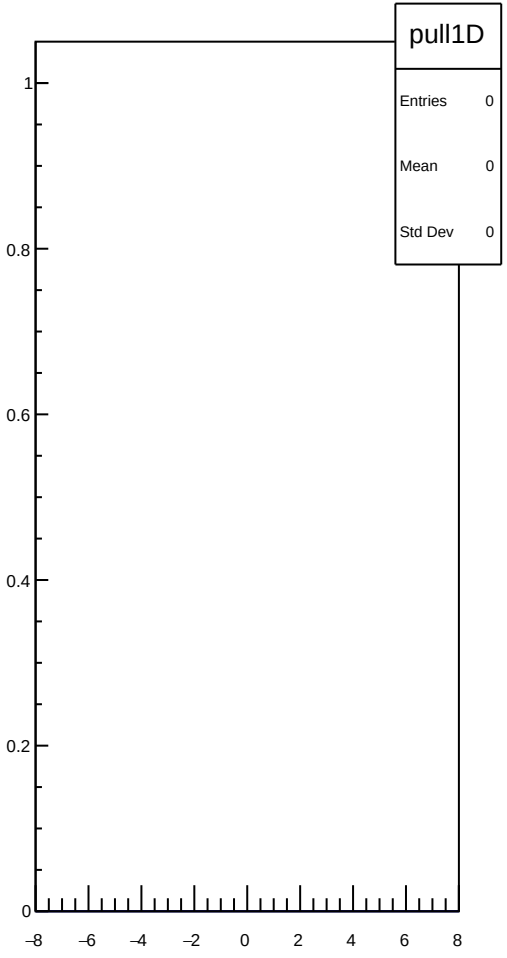

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

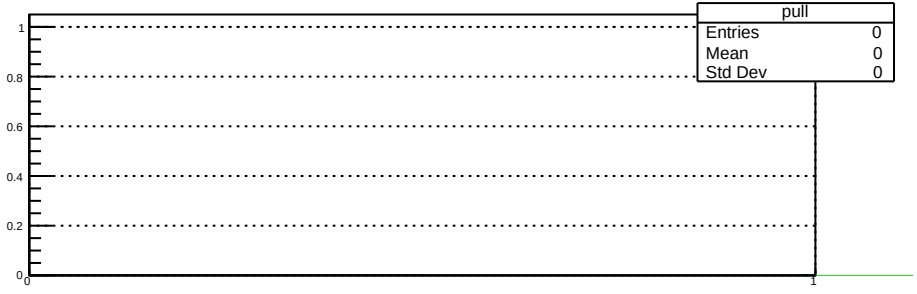

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 51.5 / 42
p0 51.37 ± 159.6
pull
Entries 43
Mean 252.9
Std Dev 233

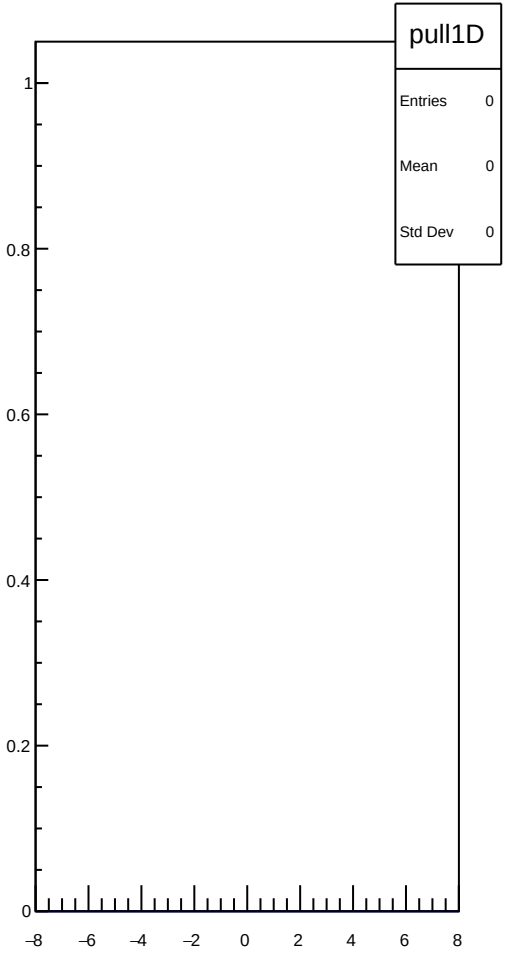

pull1D
Entries 43
Mean 0.01528
Std Dev 1.094

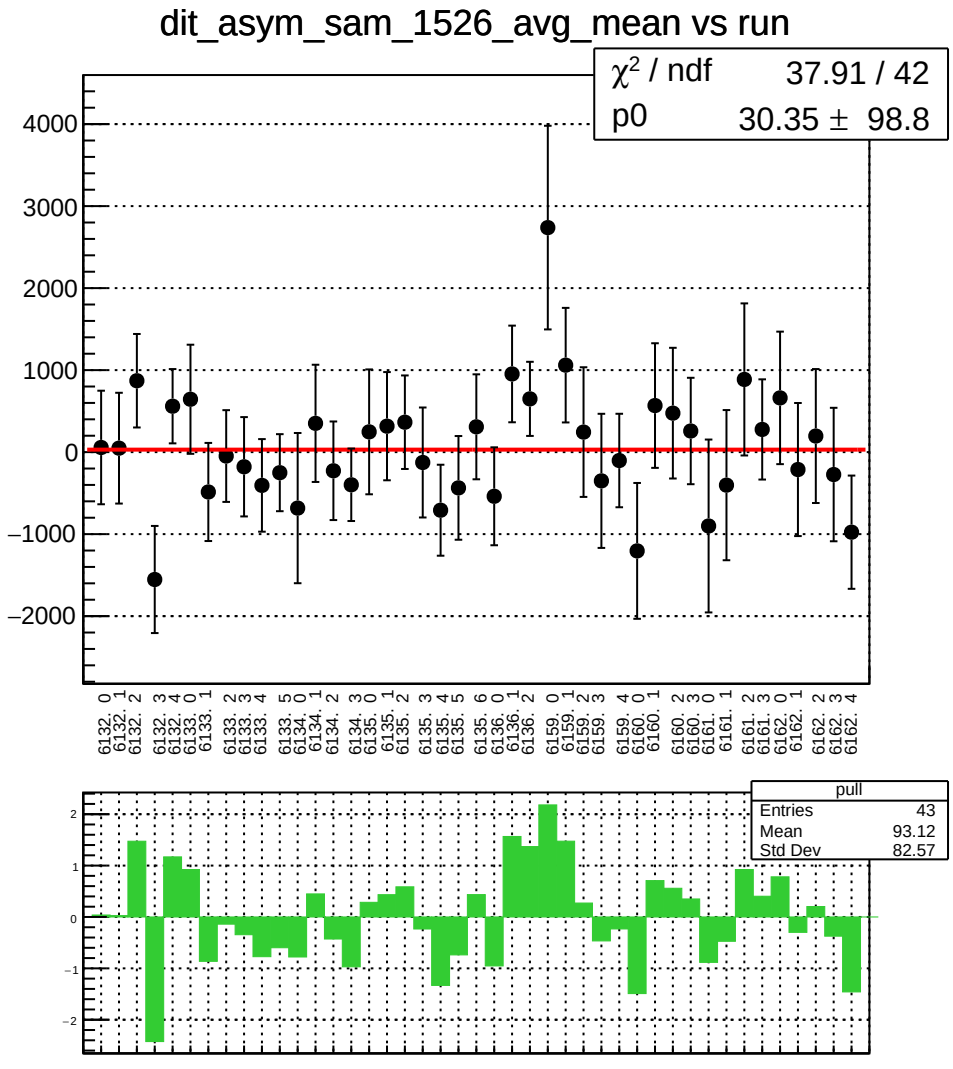

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 7742 / 42
p0 105 ± 0.1128
130
120
110
100
90
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

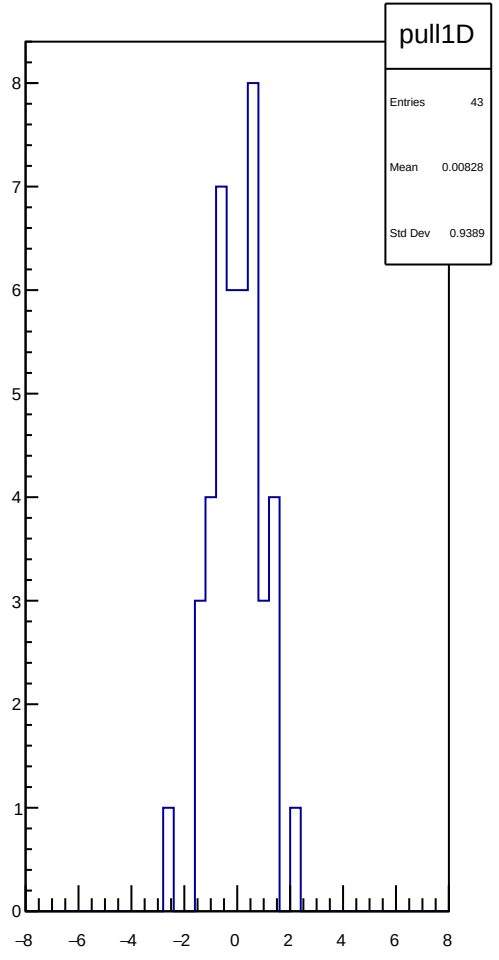

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

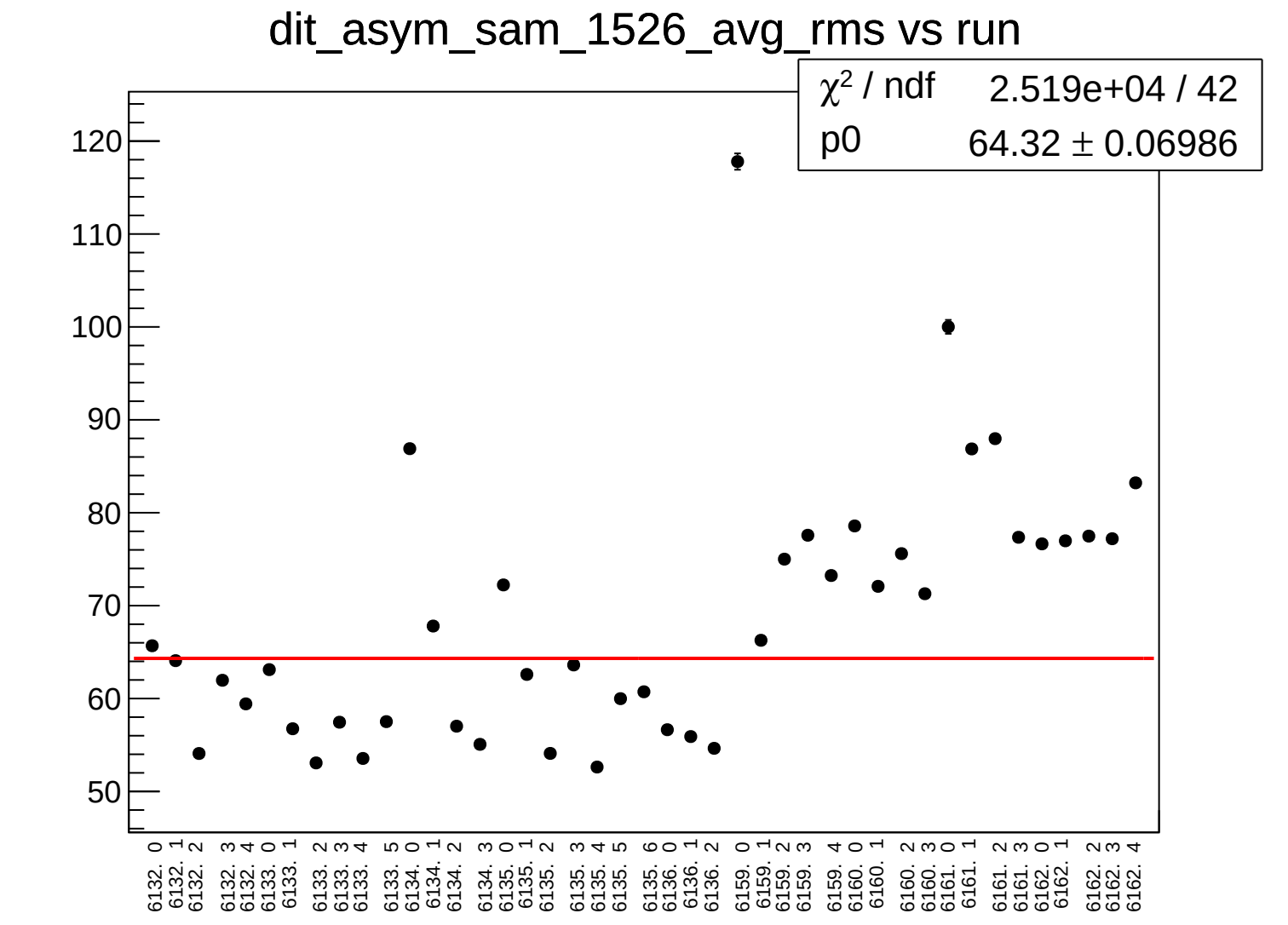

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

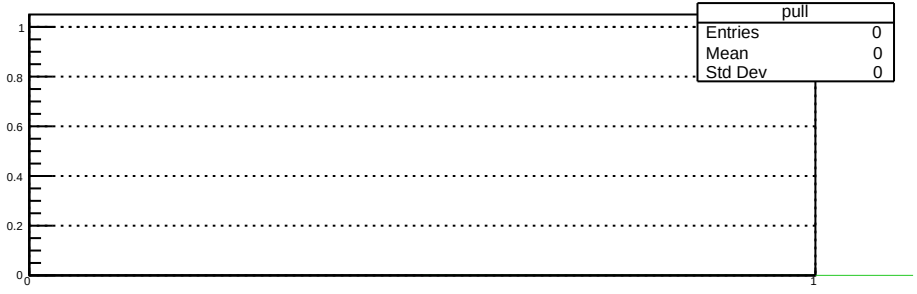

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

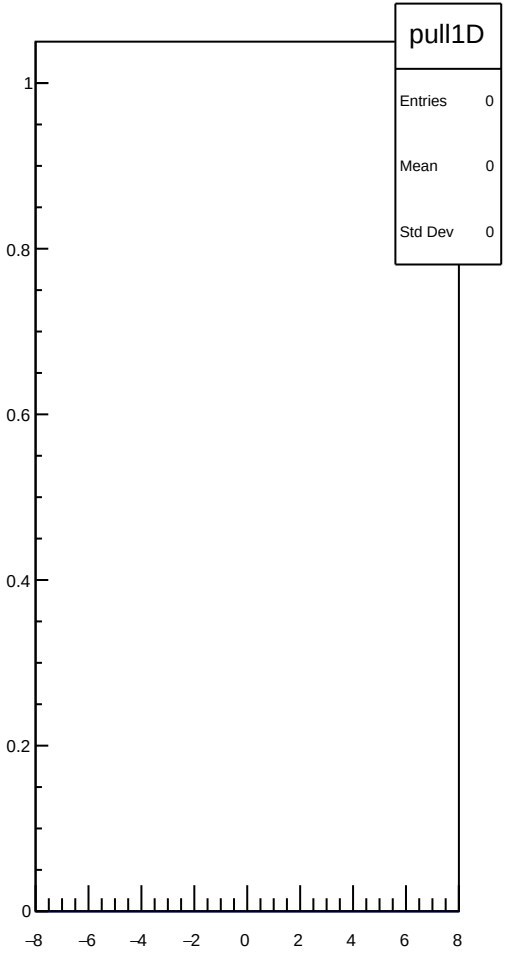

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

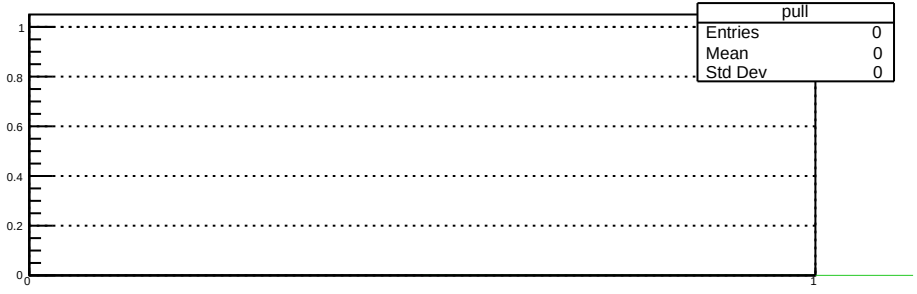

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 37.91 / 42
p0 30.35 ± 98.8
4000
3000
2000
1000
0
−1000
−2000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 93.12
Std Dev 82.57
2
1
0
−1
−2

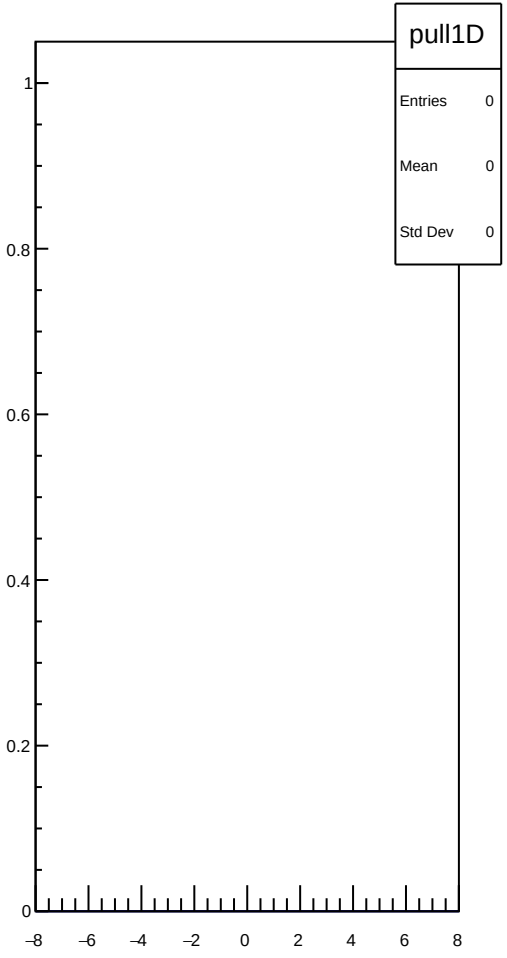

pull1D
Entries 43
Mean 0.00828
Std Dev 0.9389
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

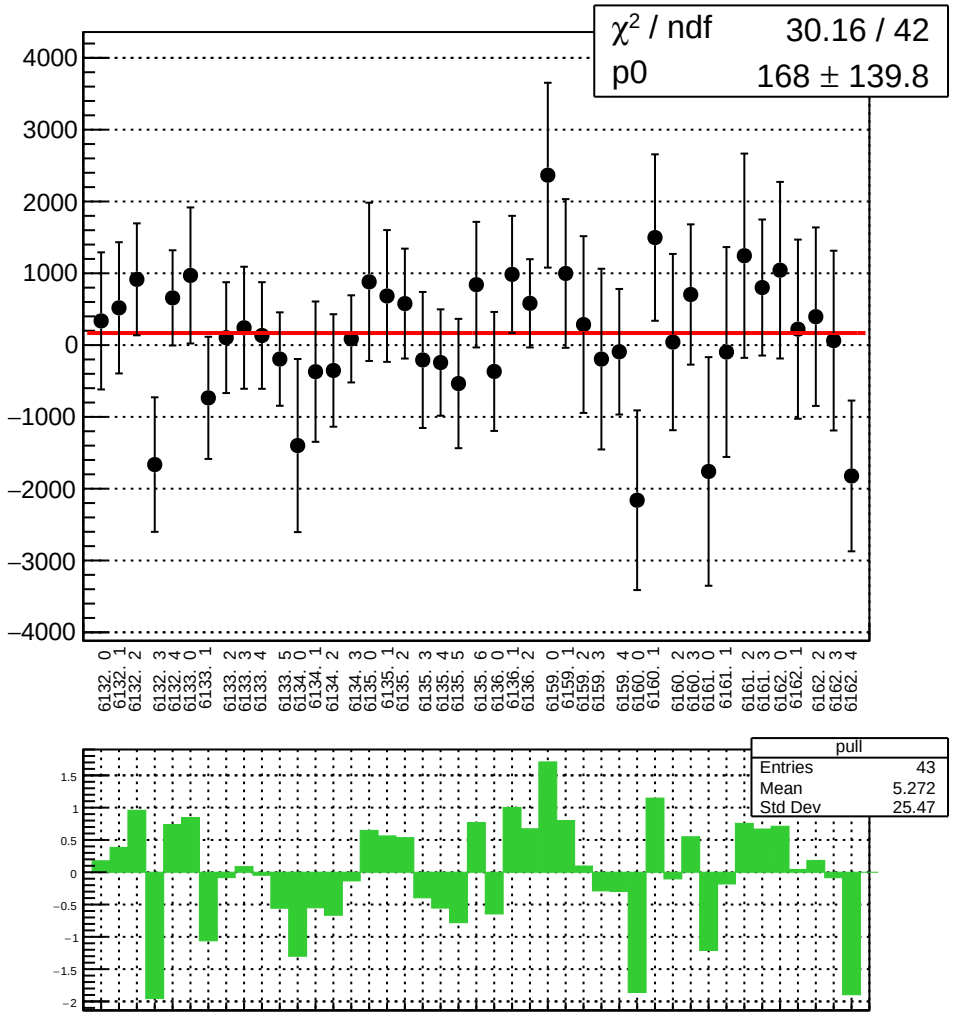

dit_asym_sam_1526_avg_rms vs run
χ² / ndf 2.519e+04 / 42
p0 64.32 ± 0.06986
120
110
100
90
80
70
60
50
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

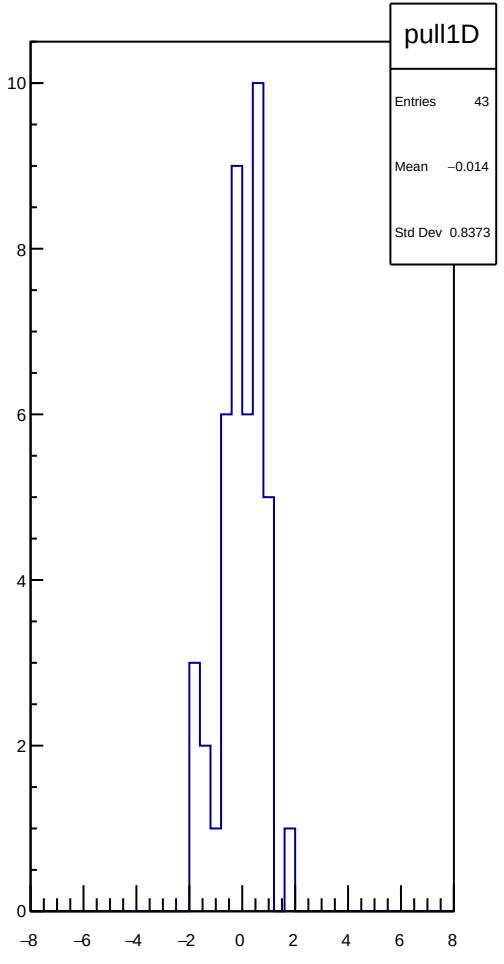

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

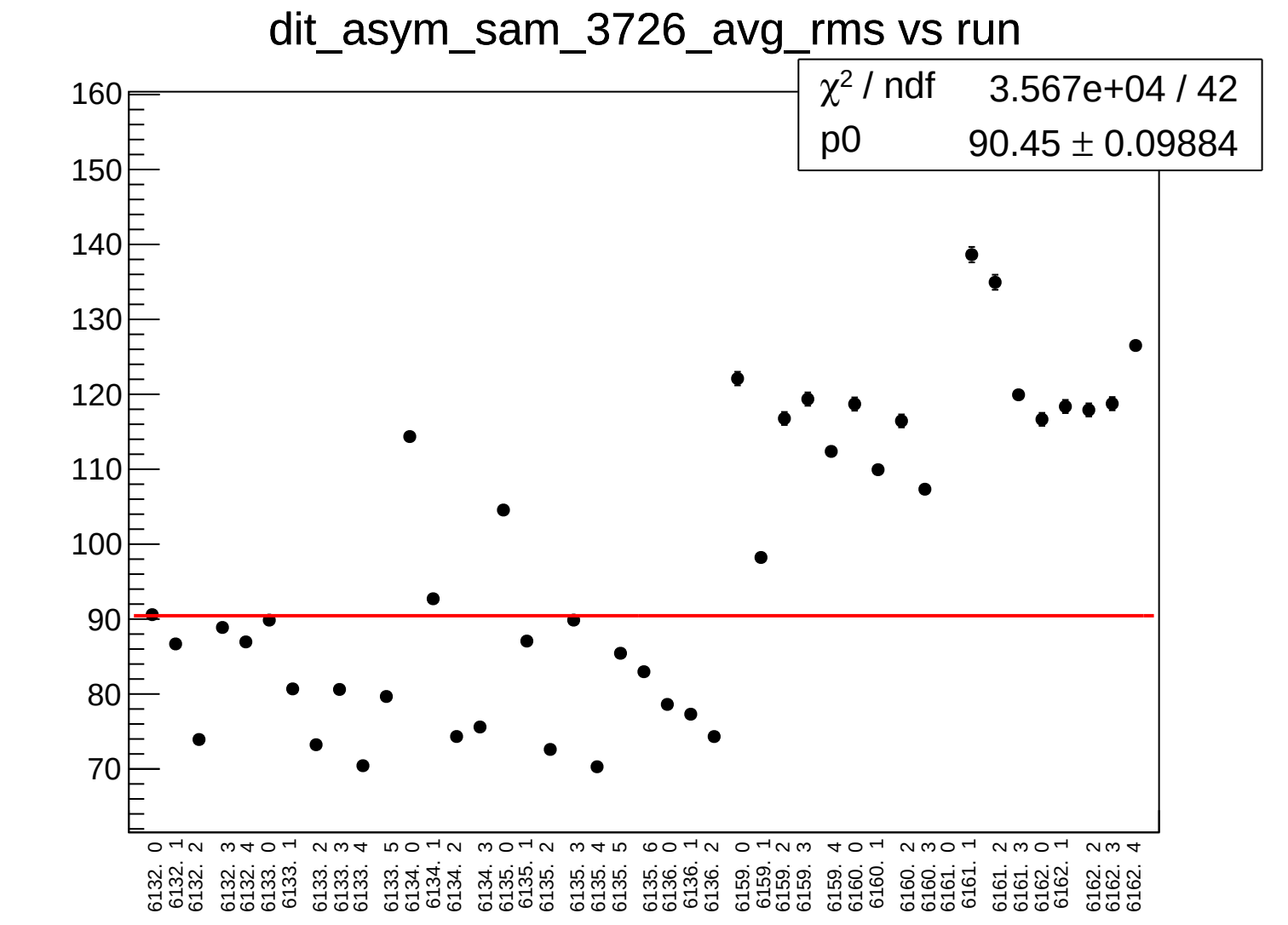

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

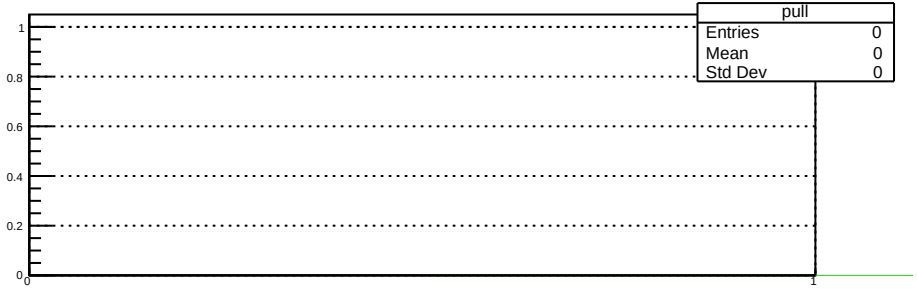

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

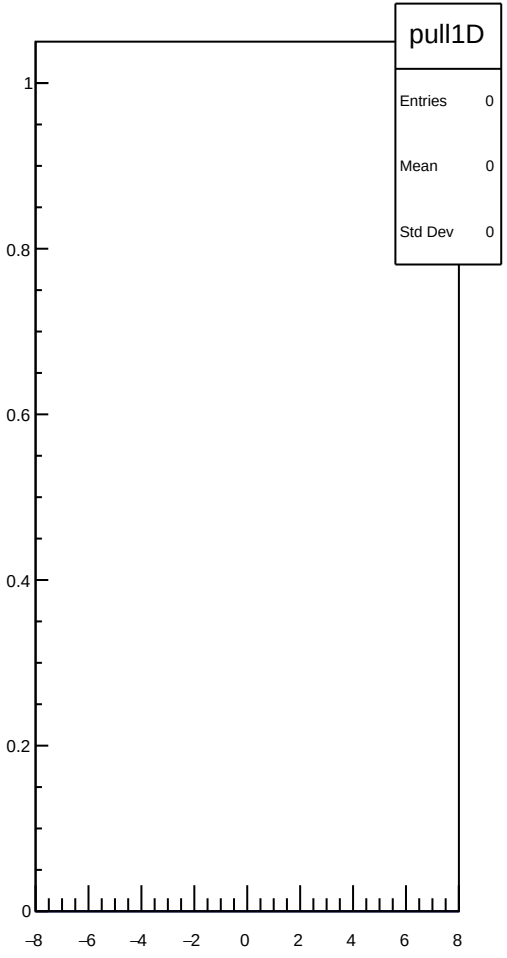

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

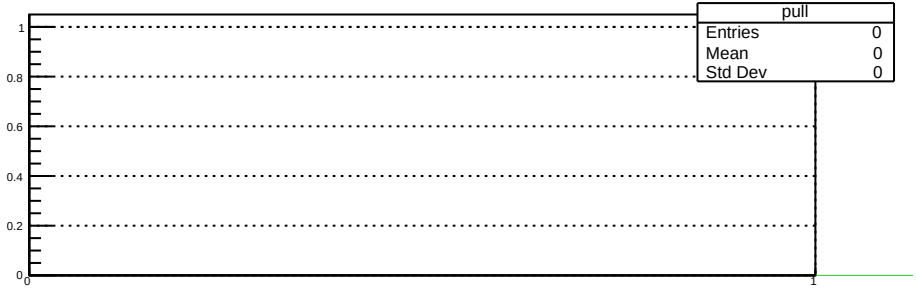

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 30.16 / 42
p0 168 ± 139.8
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 5.272
Std Dev 25.47
1.5
1
0.5
0
−0.5
−1
−1.5
−2

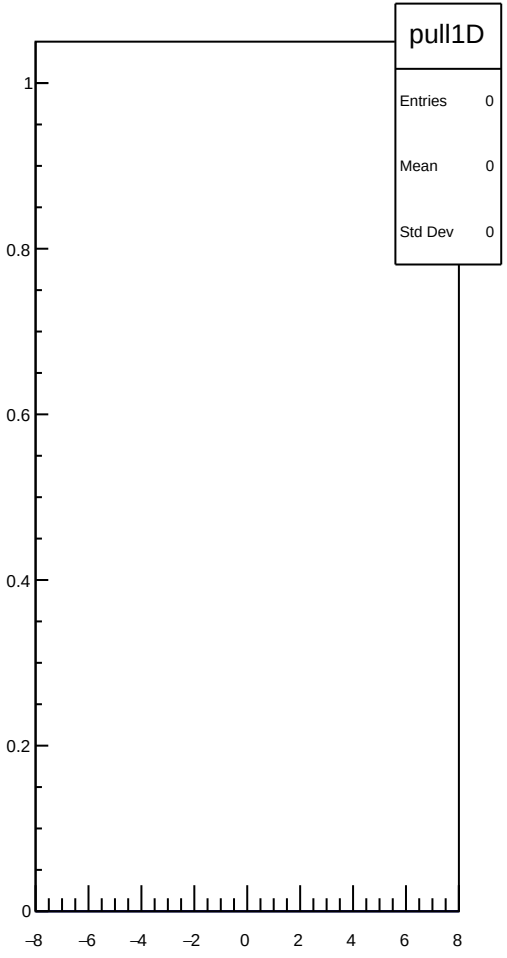

pull1D
Entries 43
Mean −0.014
Std Dev 0.8373
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

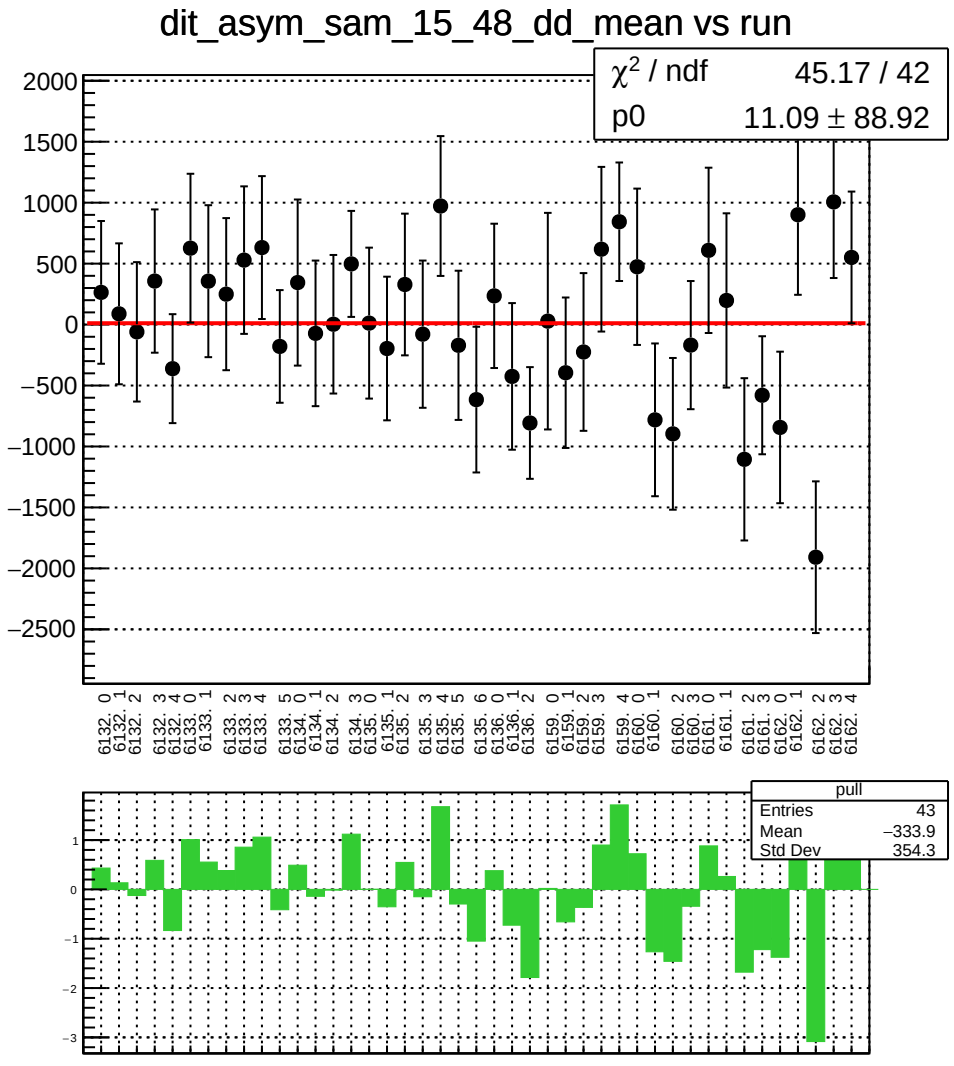

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 3.567e+04 / 42
p0 90.45 ± 0.09884
160
150
140
130
120
110
100
90
80
70
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

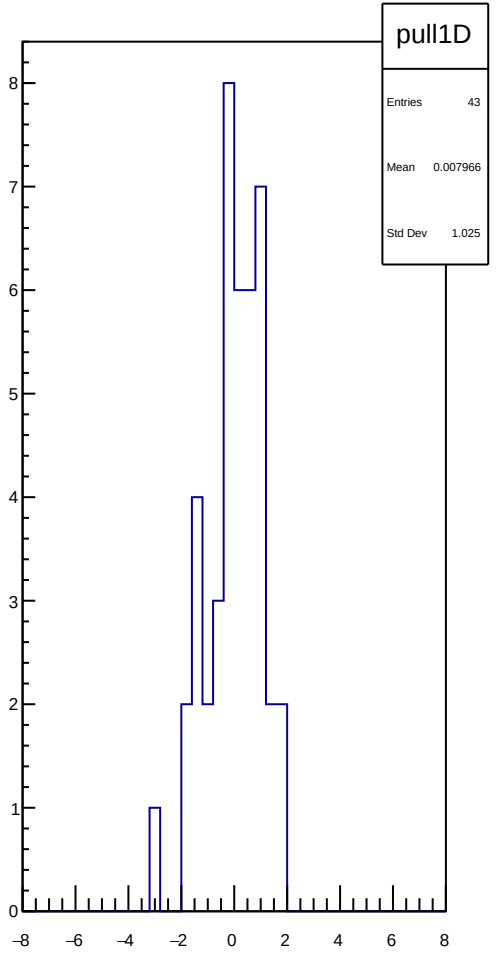

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

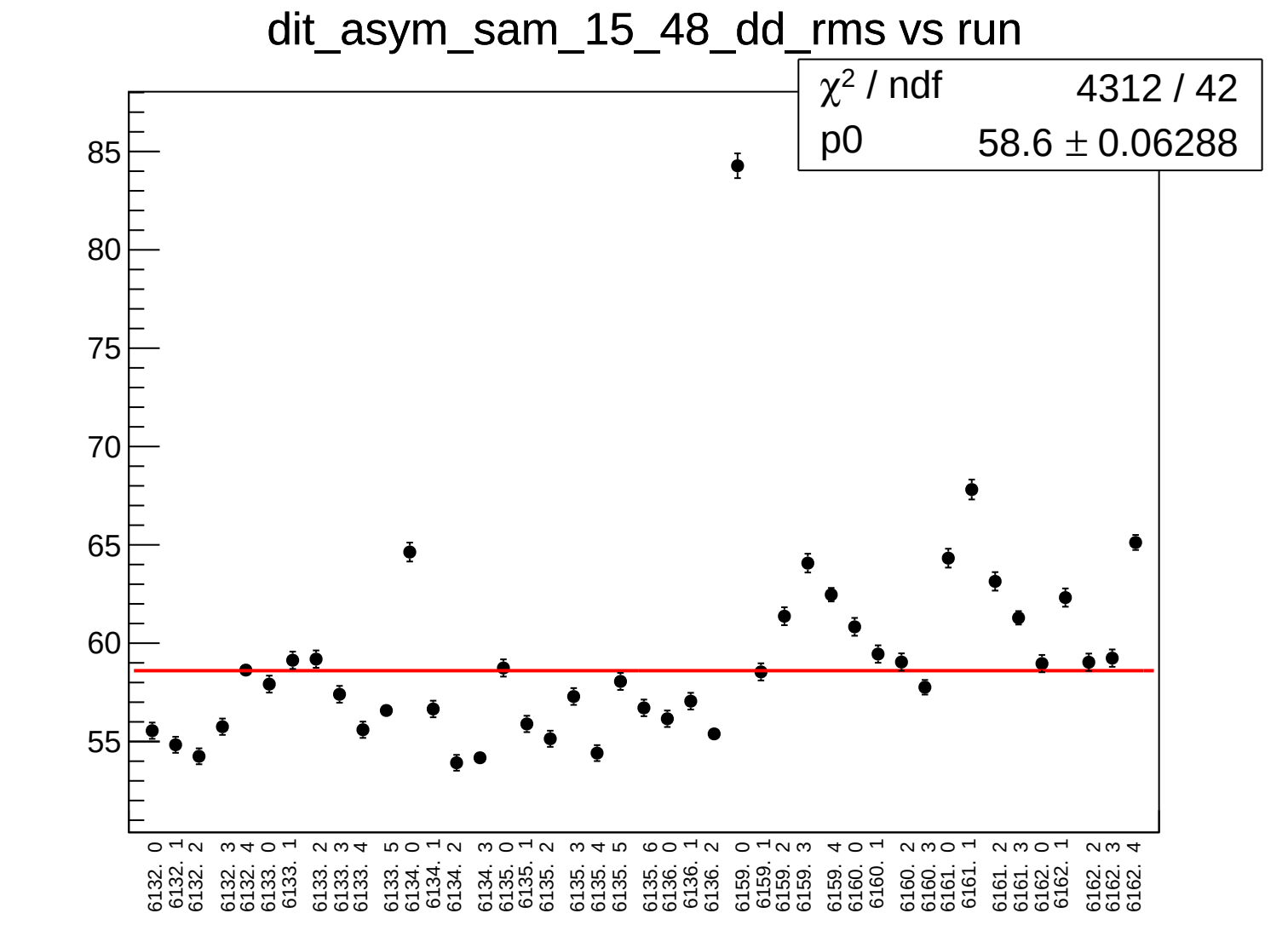

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

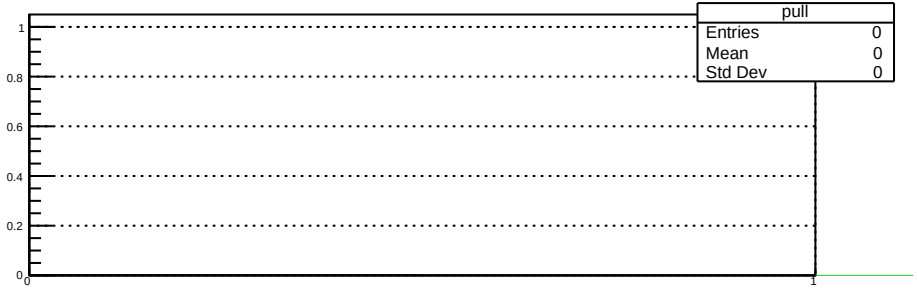

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

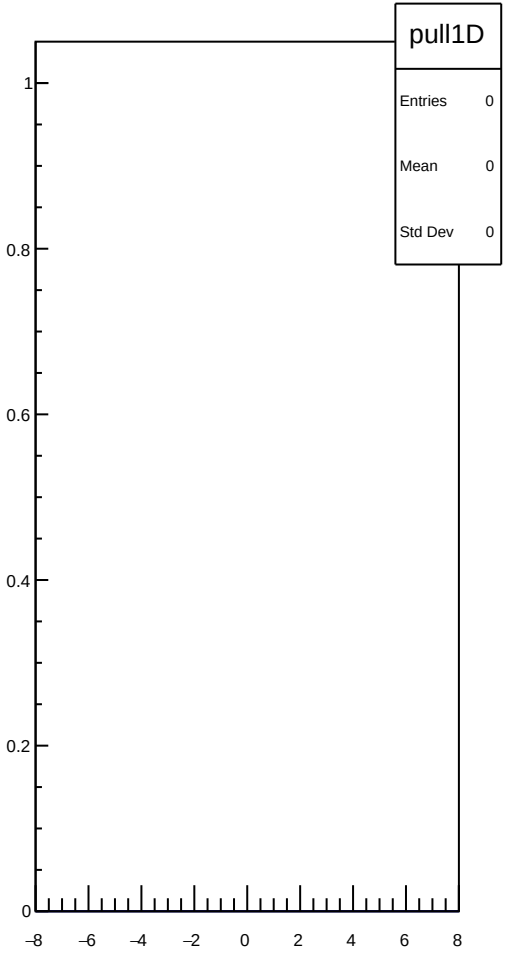

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

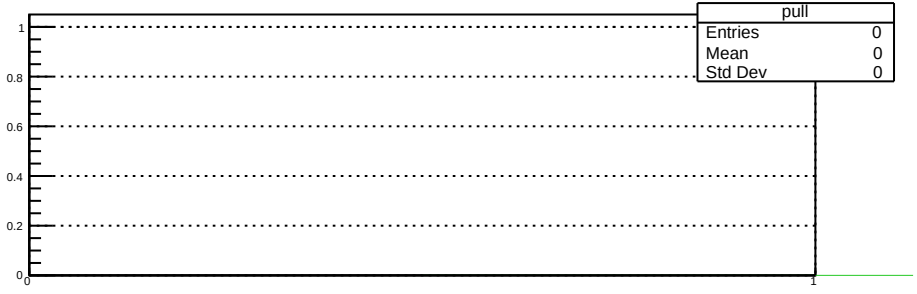

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 45.17 / 42
p0 11.09 ± 88.92
pull
Entries 43
Mean −333.9
Std Dev 354.3

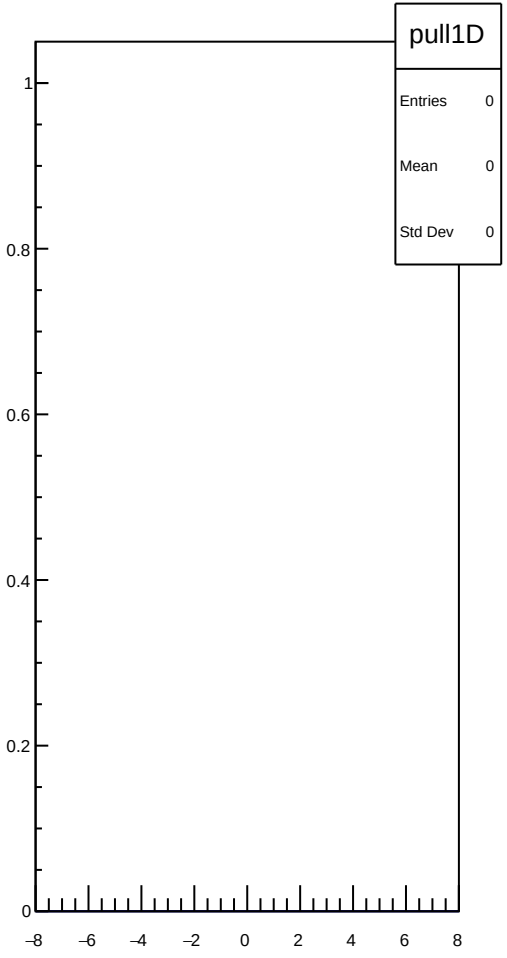

pull1D
Entries 43
Mean 0.007966
Std Dev 1.025

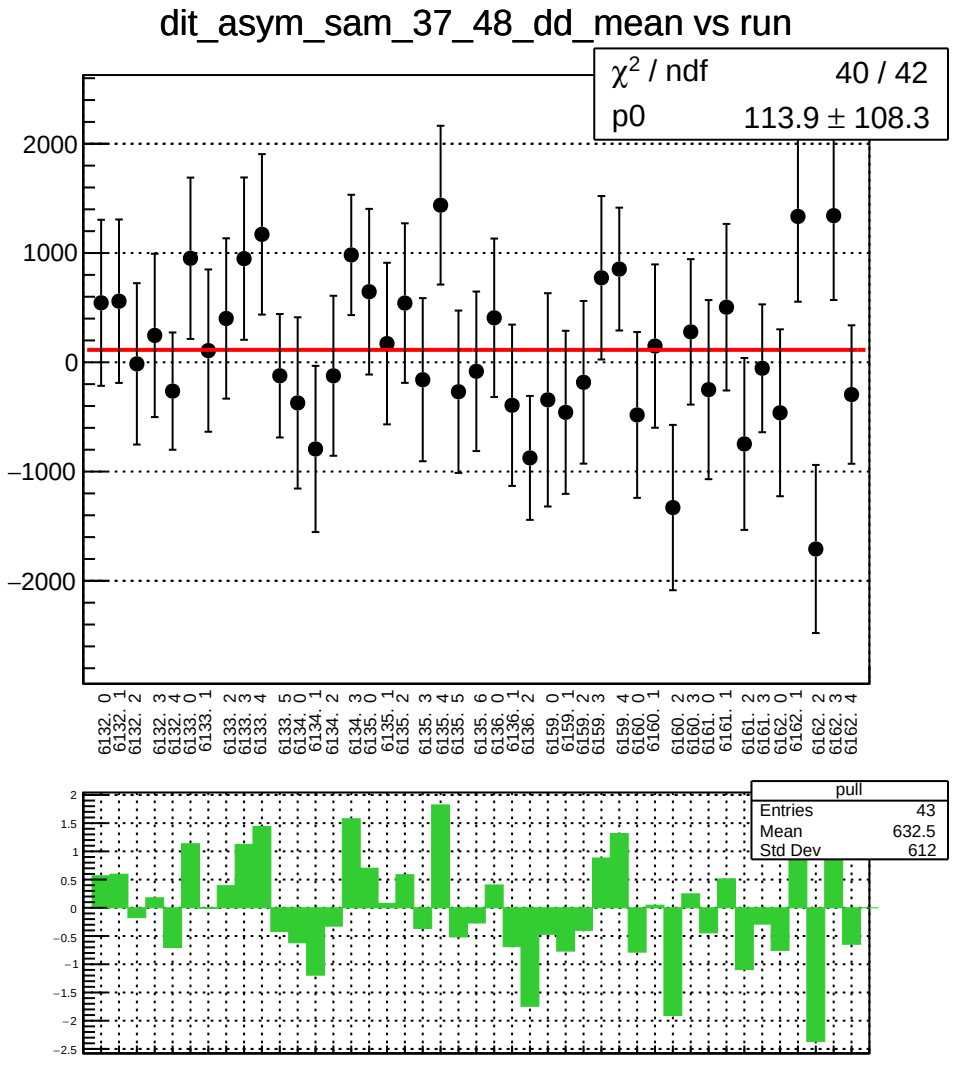

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 4312 / 42
p0 58.6 ± 0.06288
85
80
75
70
65
60
55
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

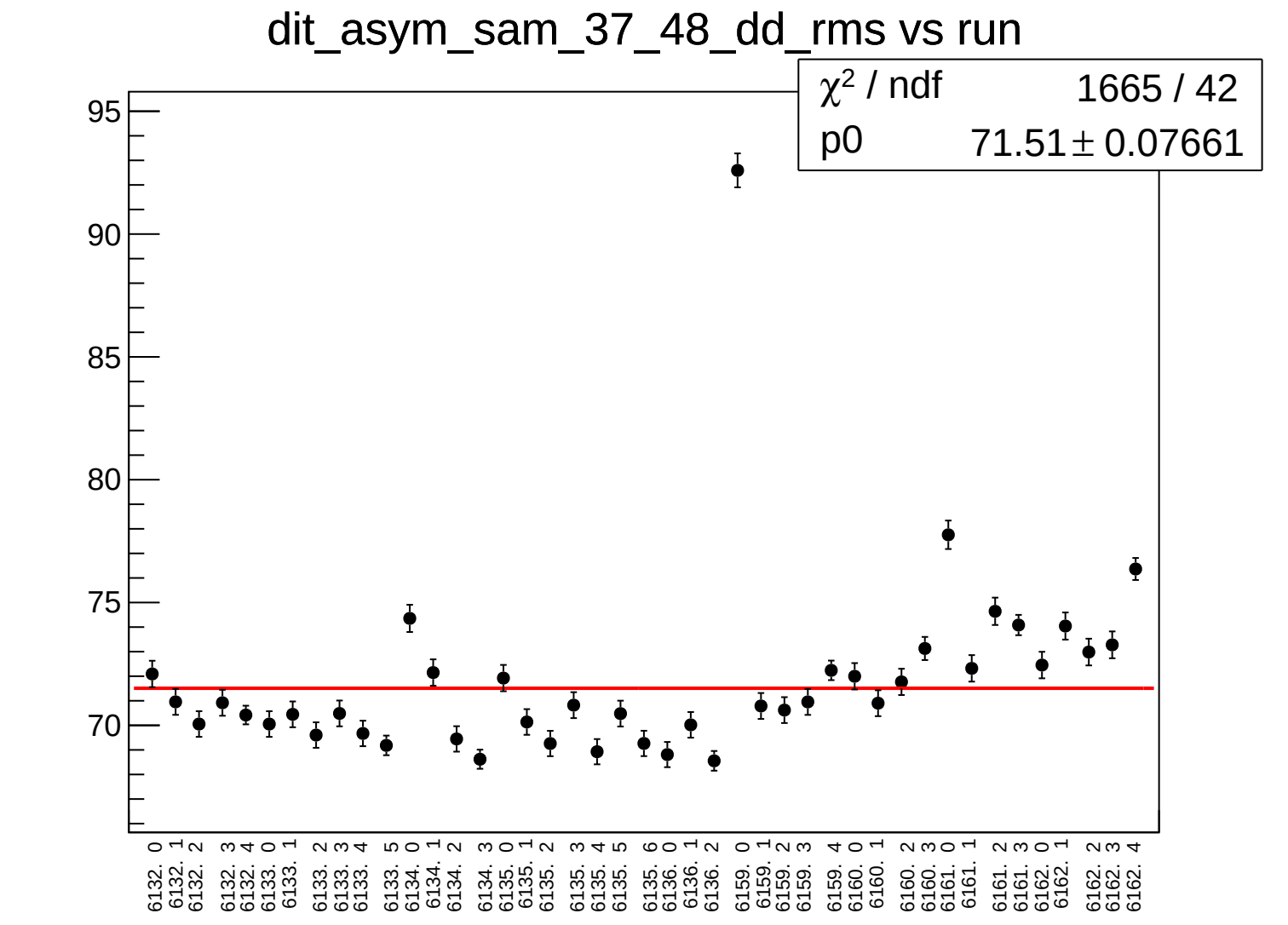

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

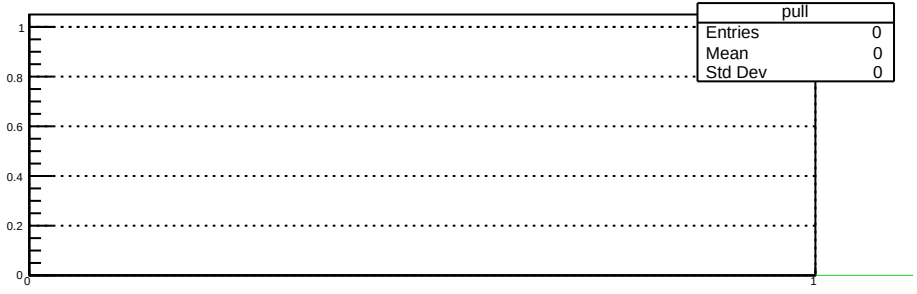

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

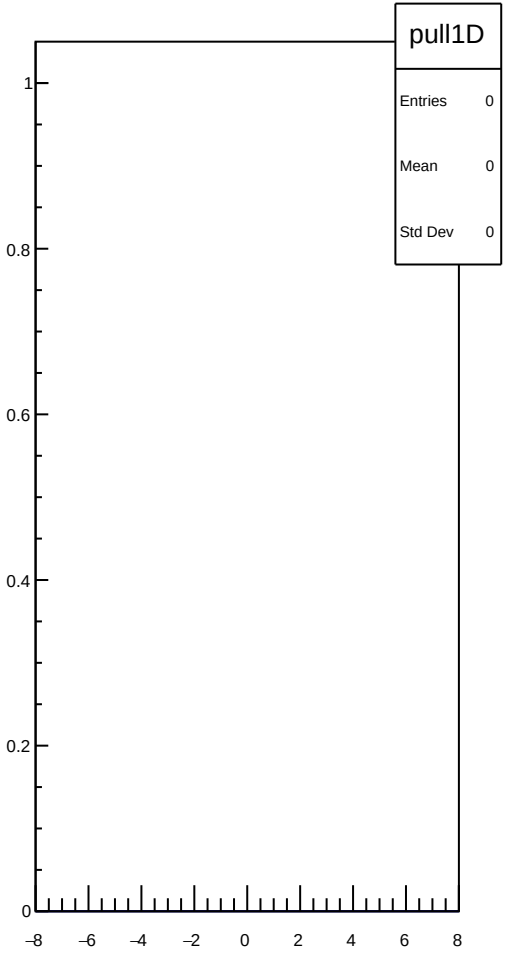

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

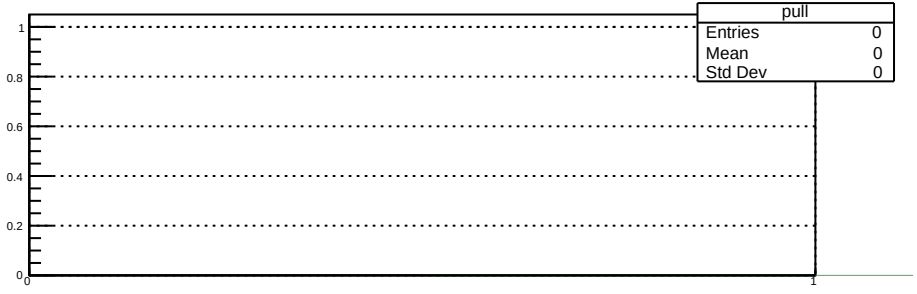

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

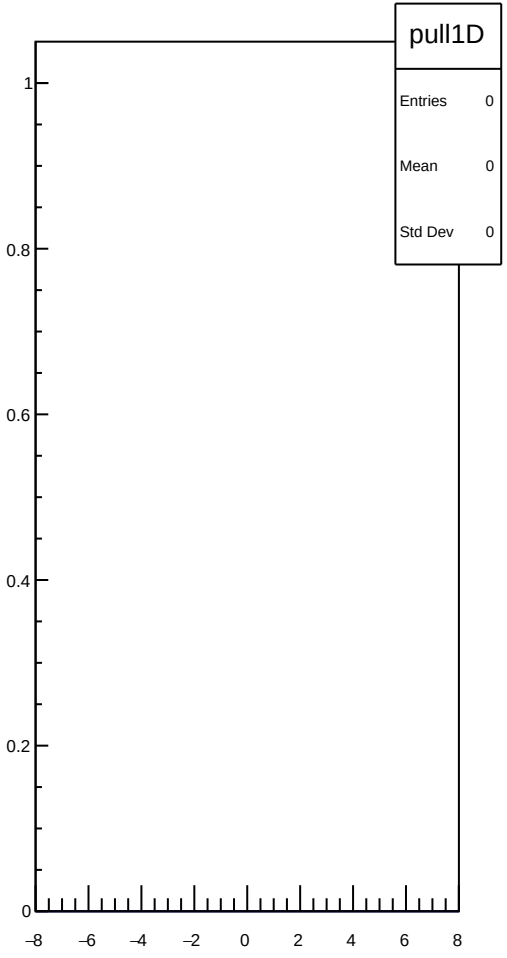

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 40 / 42
p0 113.9 ± 108.3
2000
1000
0
−1000
−2000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 632.5
Std Dev 612
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean −0.004426
Std Dev 0.9645
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

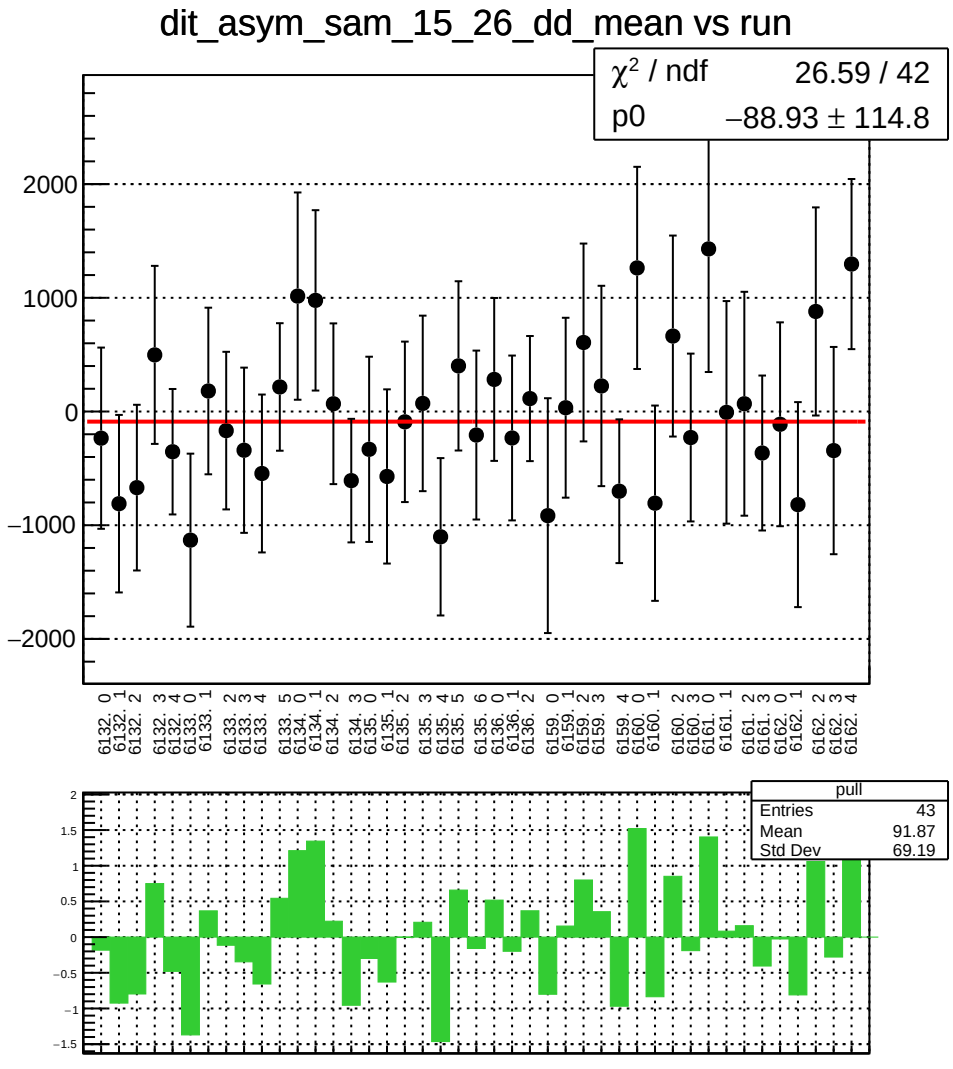

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 1665 / 42
p0 71.51 ± 0.07661
95
90
85
80
75
70
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

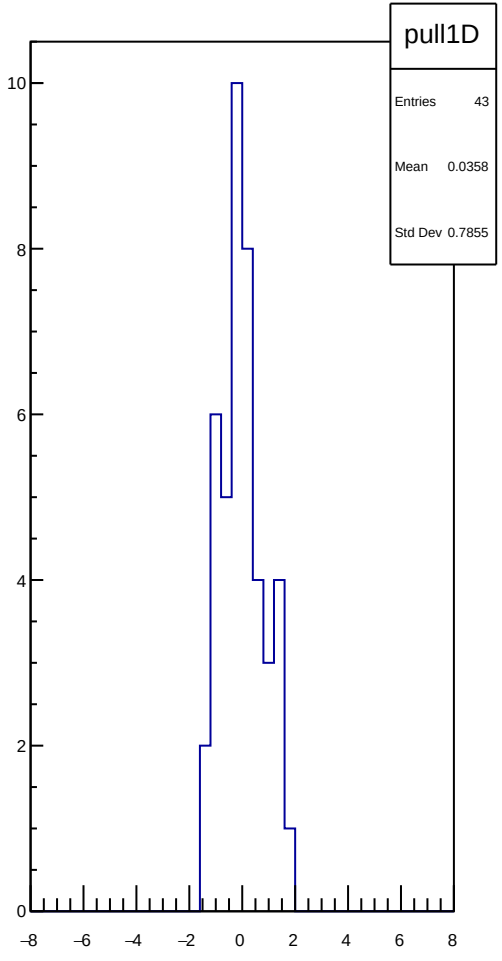

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

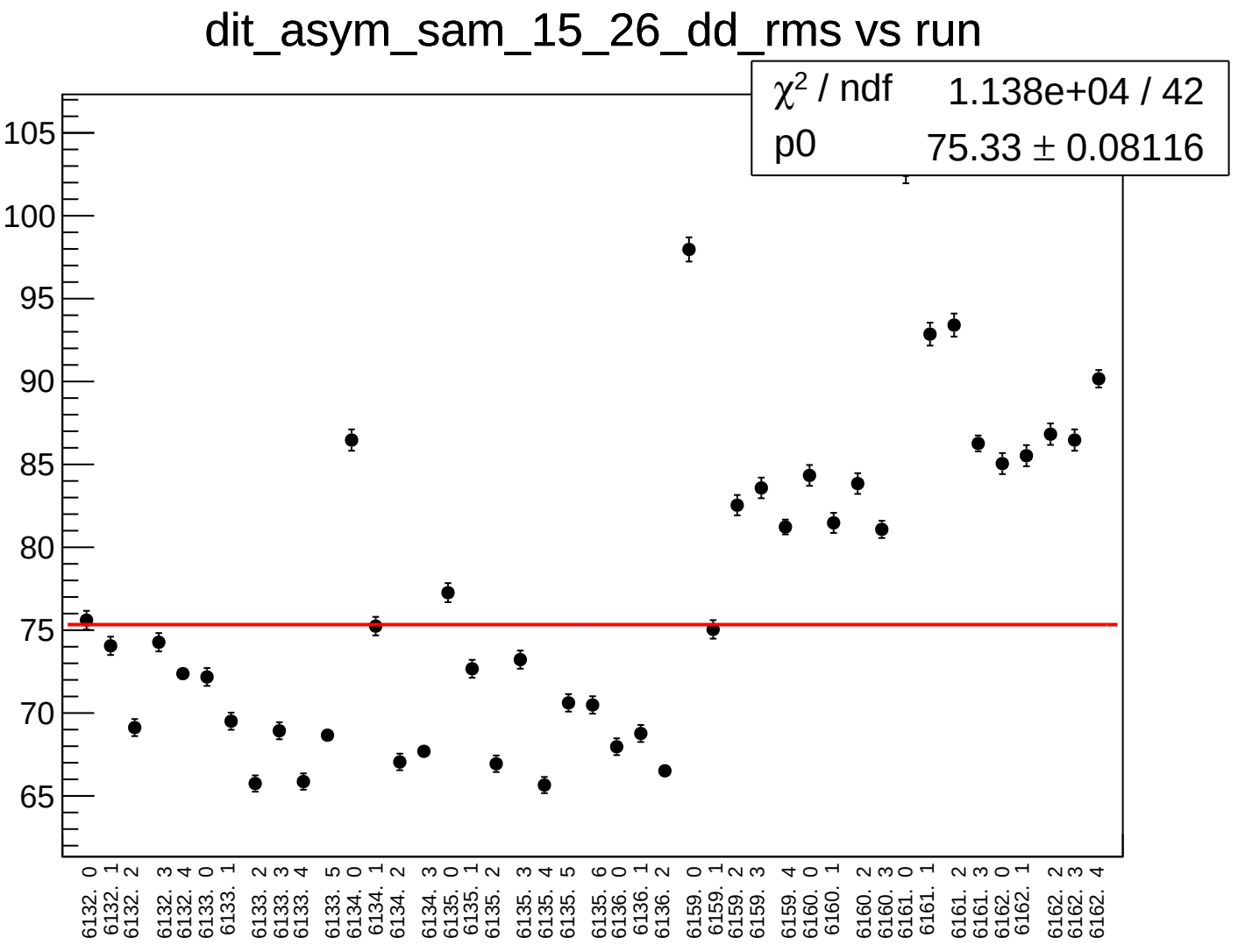

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

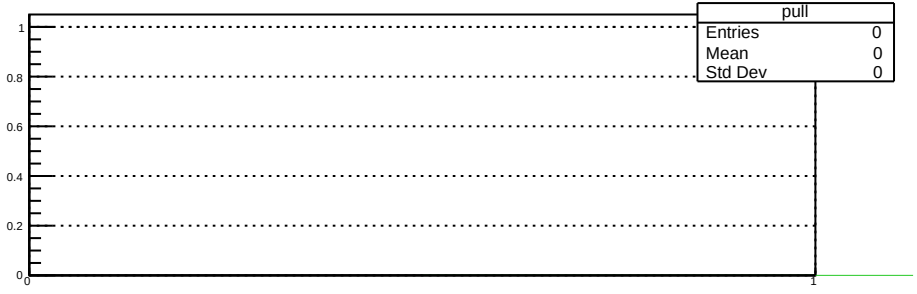

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

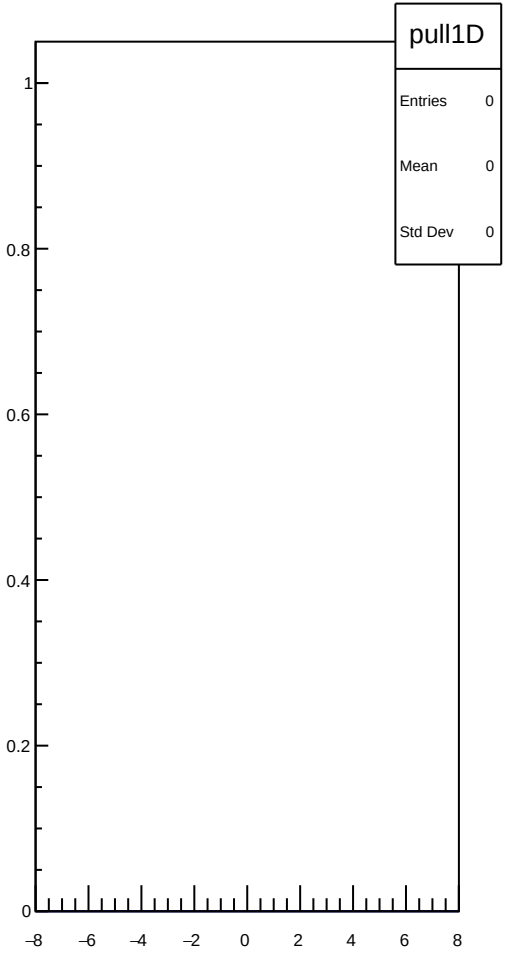

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

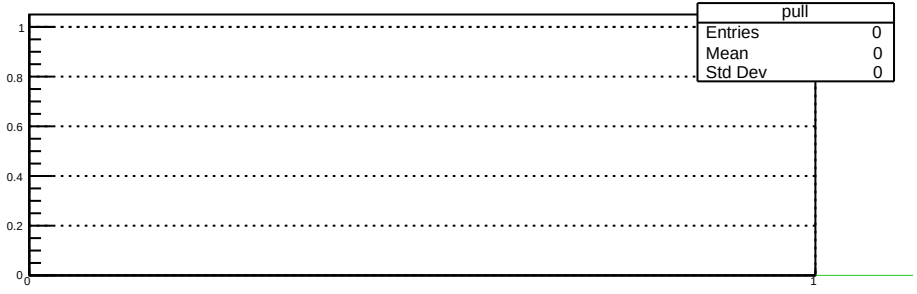

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 26.59 / 42
p0 −88.93 ± 114.8
2000
1000
0
−1000
−2000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 91.87
Std Dev 69.19
2
1.5
1
0.5
0
−0.5
−1
−1.5

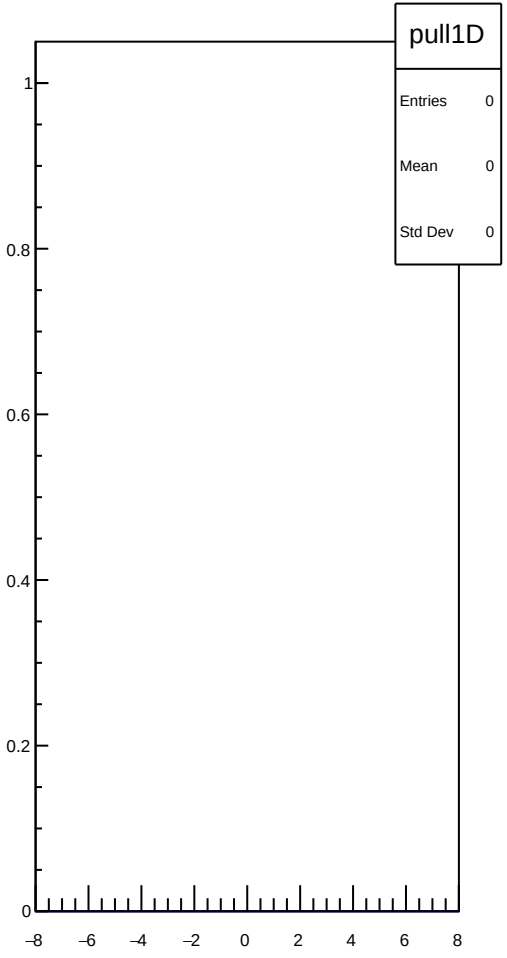

pull1D
Entries 43
Mean 0.0358
Std Dev 0.7855
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

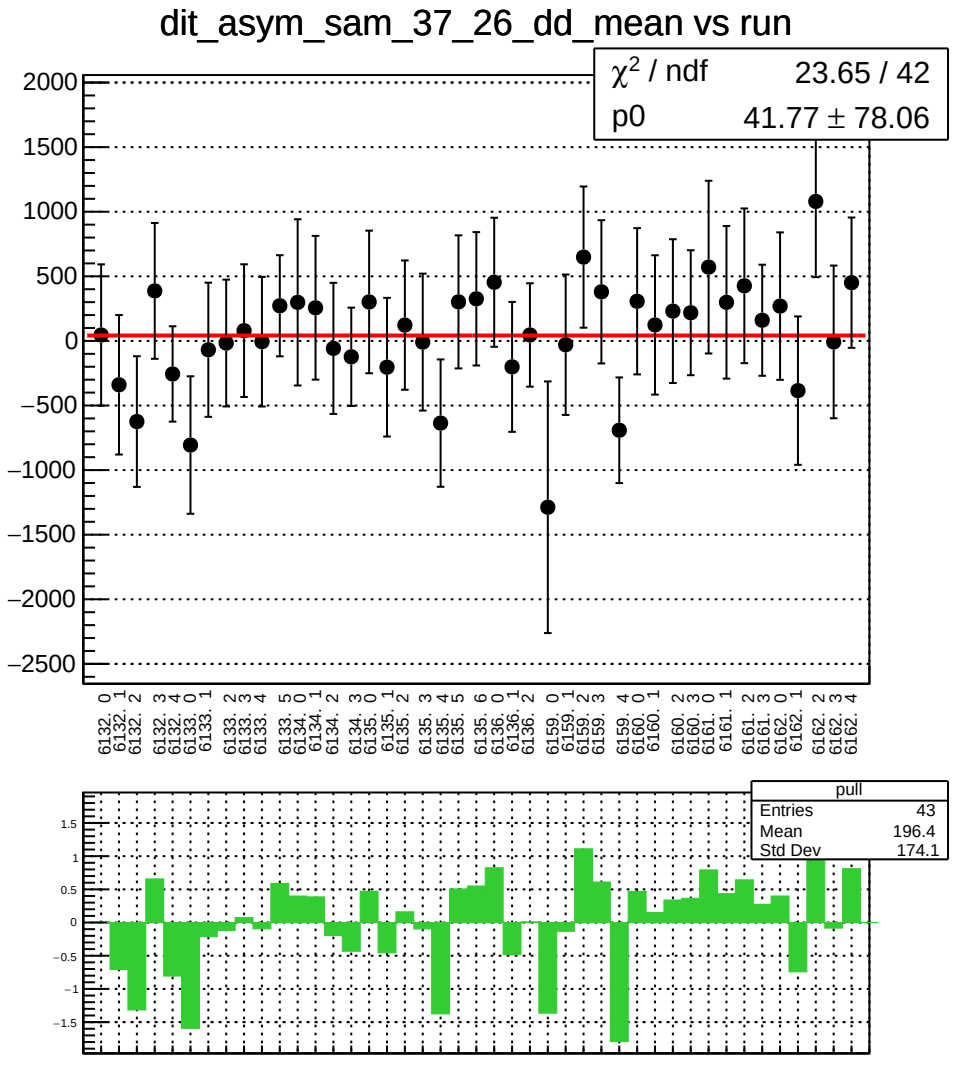

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 1.138e+04 / 42
p0 75.33 ± 0.08116
105
100
95
90
85
80
75
70
65
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

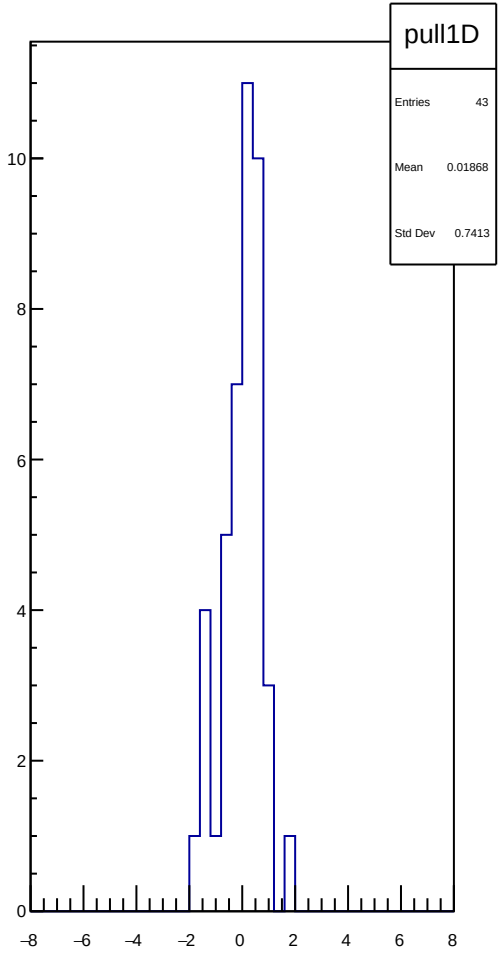

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

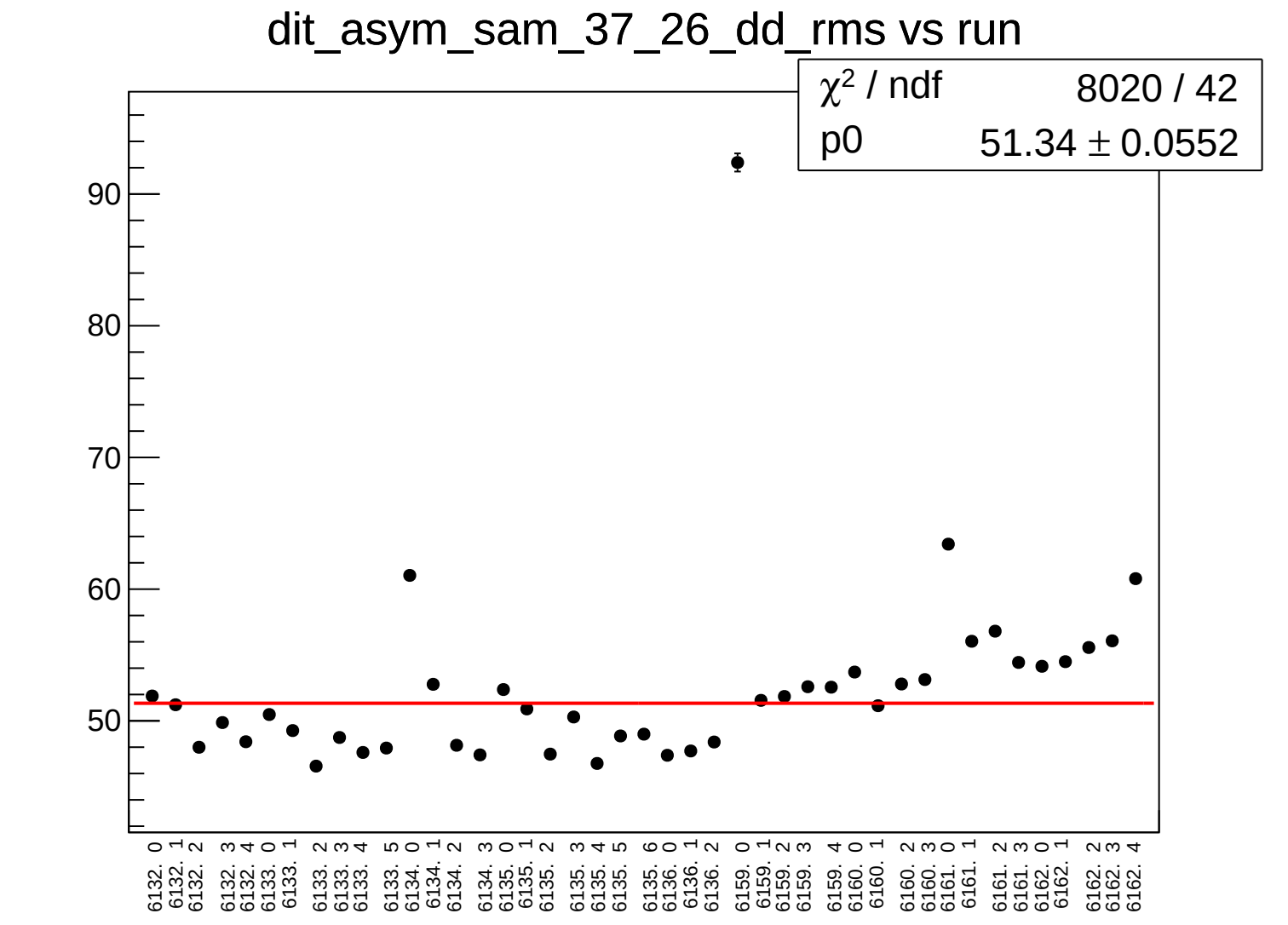

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

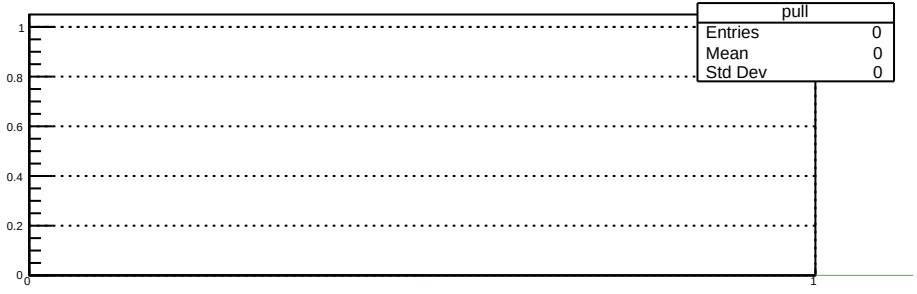

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

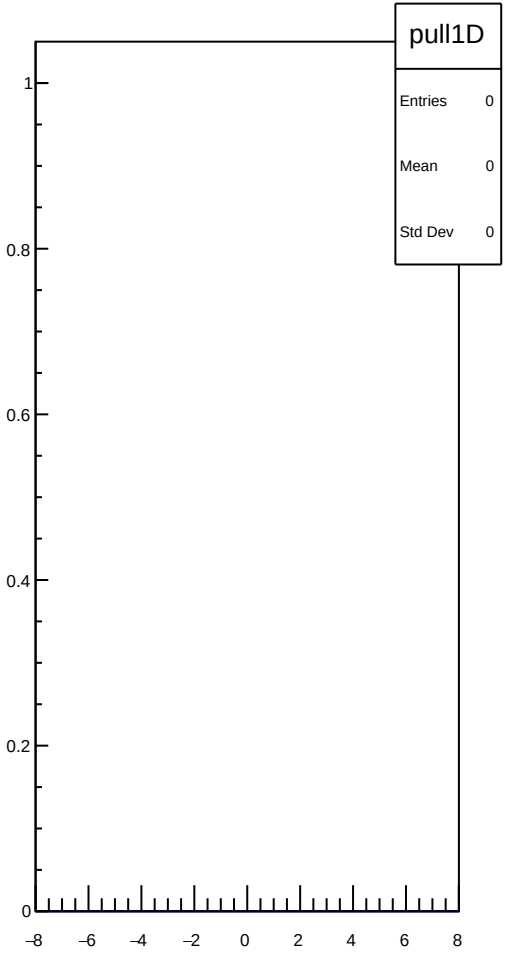

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

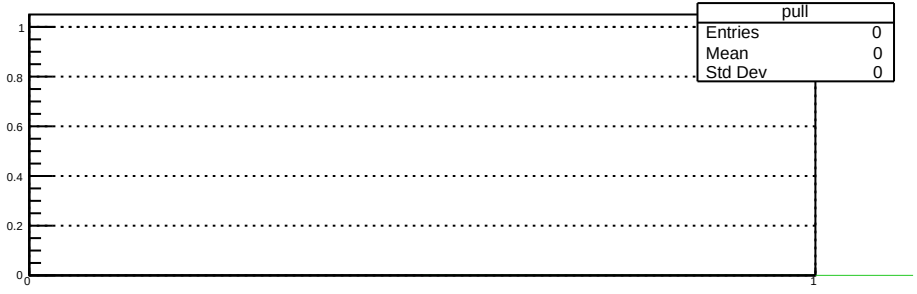

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 23.65 / 42
p0 41.77 ± 78.06
2000
1500
1000
500
0
−500
−1000
−1500
−2000
−2500
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 196.4
Std Dev 174.1
1.5
1
0.5
0
−0.5
−1
−1.5

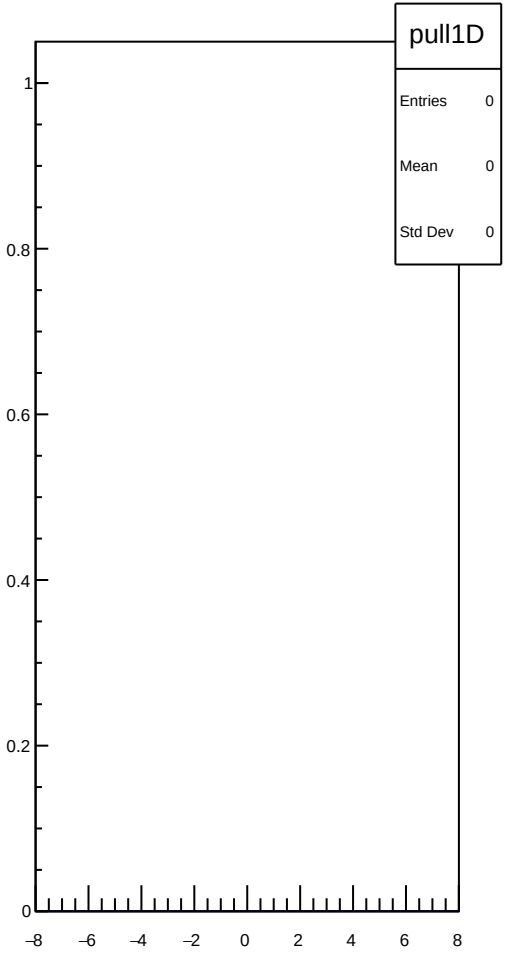

pull1D
Entries 43
Mean 0.01868
Std Dev 0.7413
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

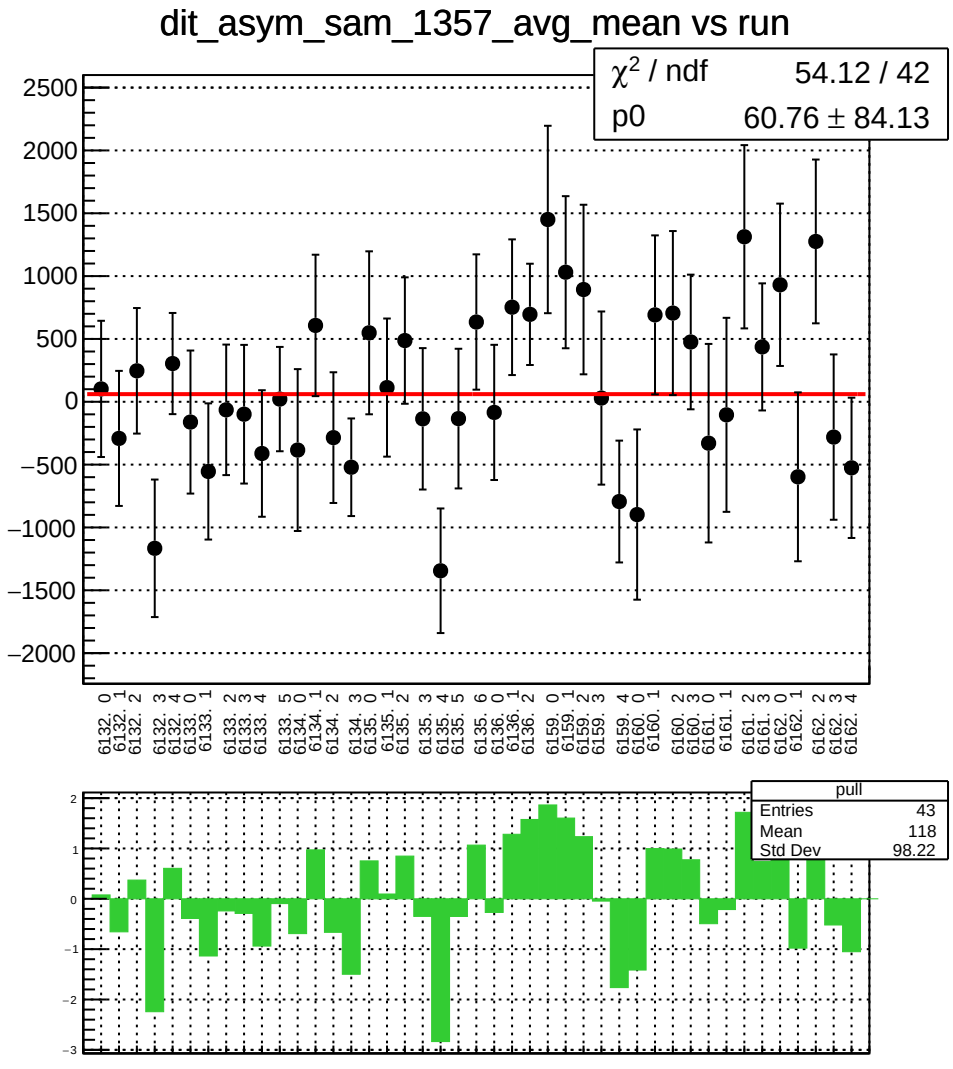

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 8020 / 42
p0 51.34 ± 0.0552
90
80
70
60
50
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

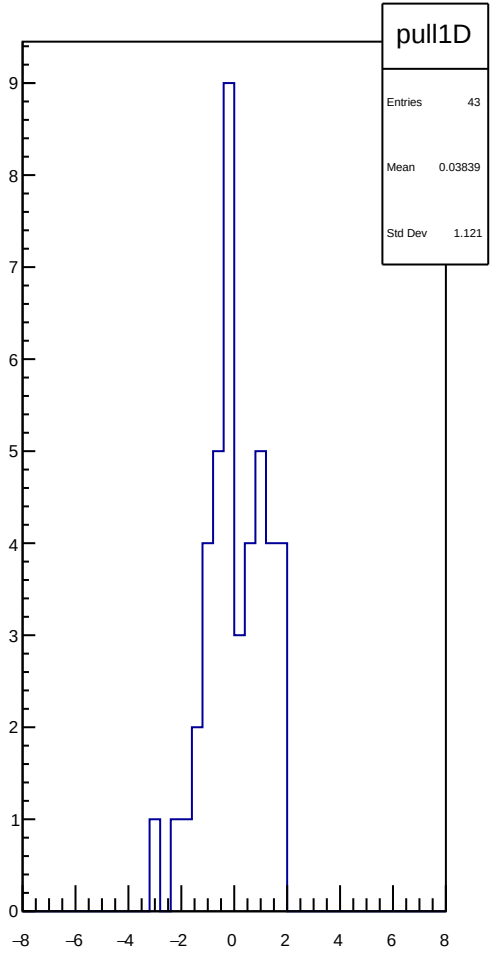

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

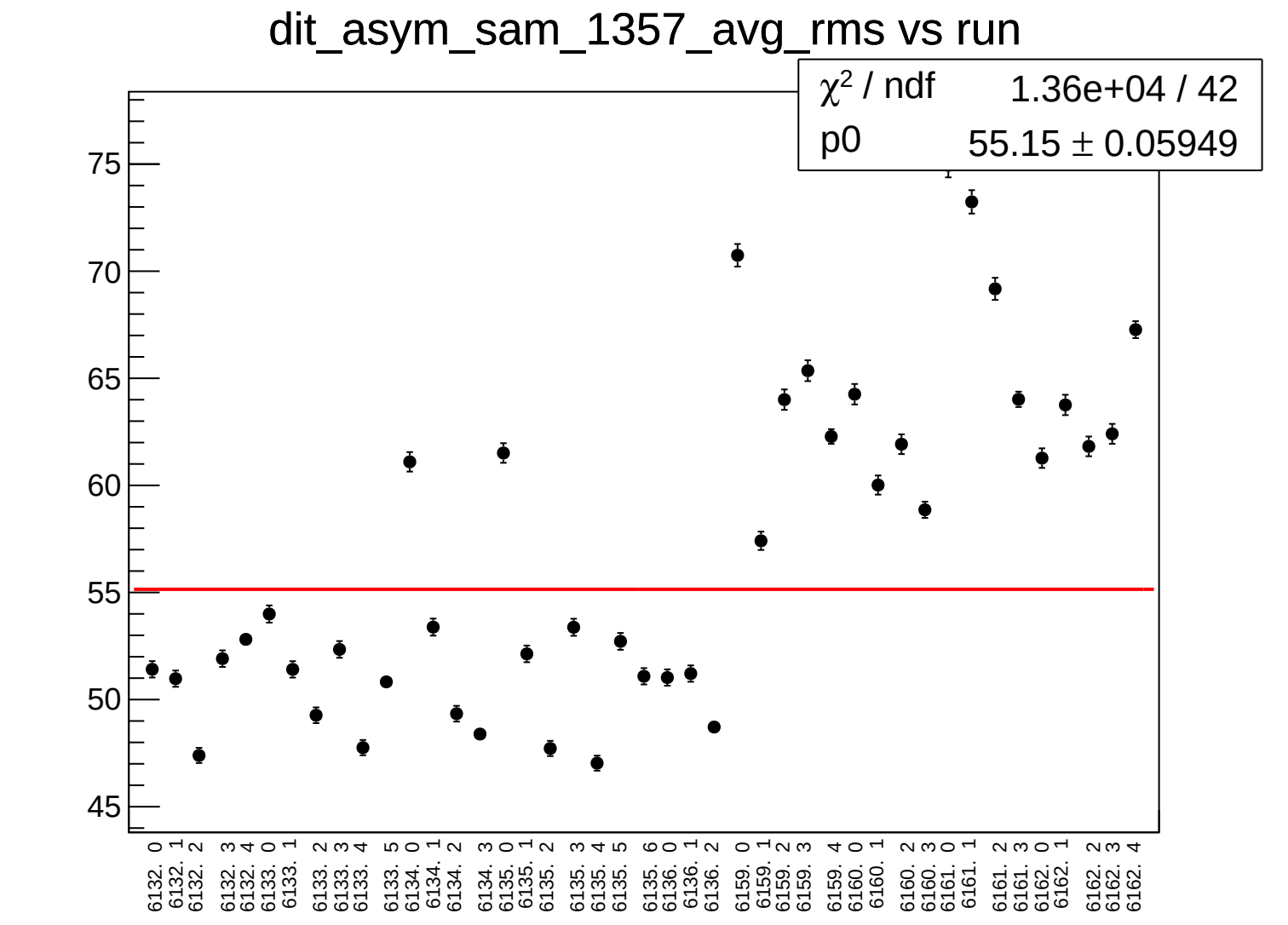

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

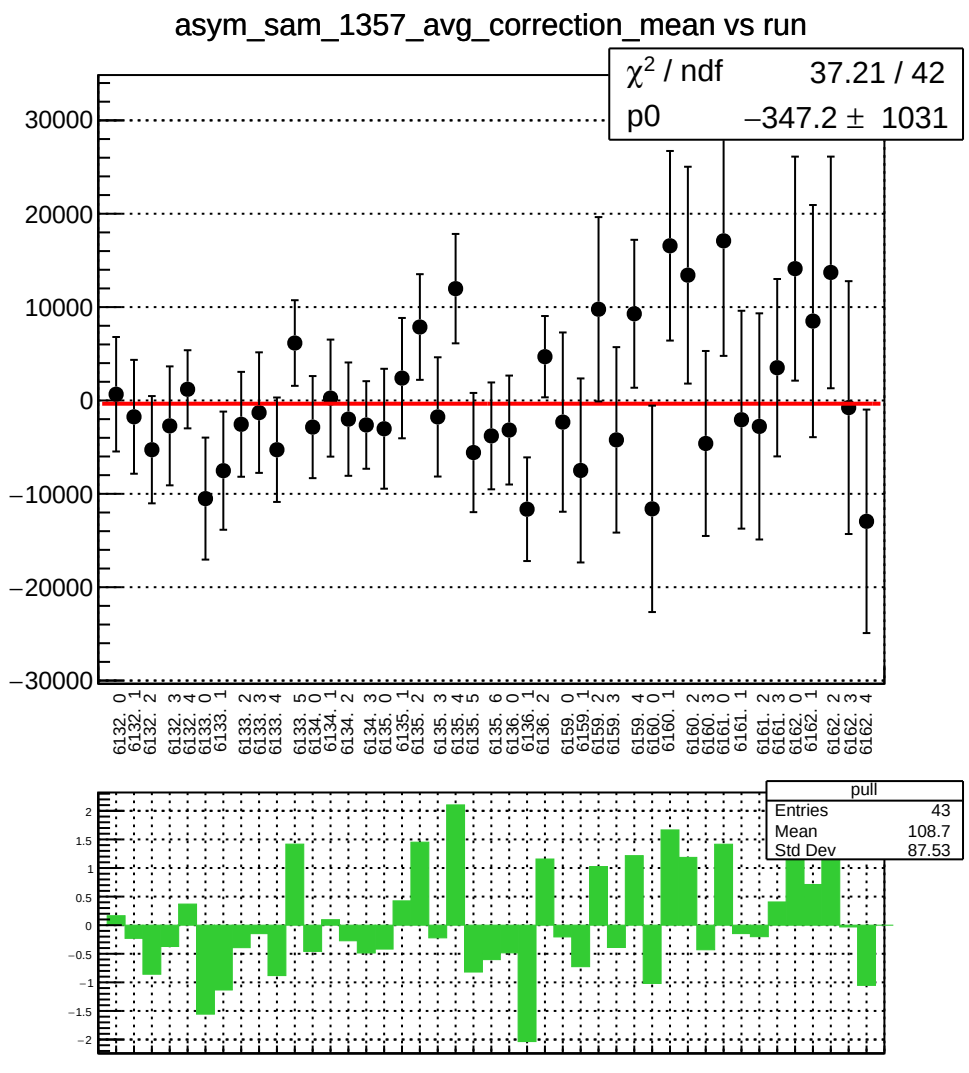

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

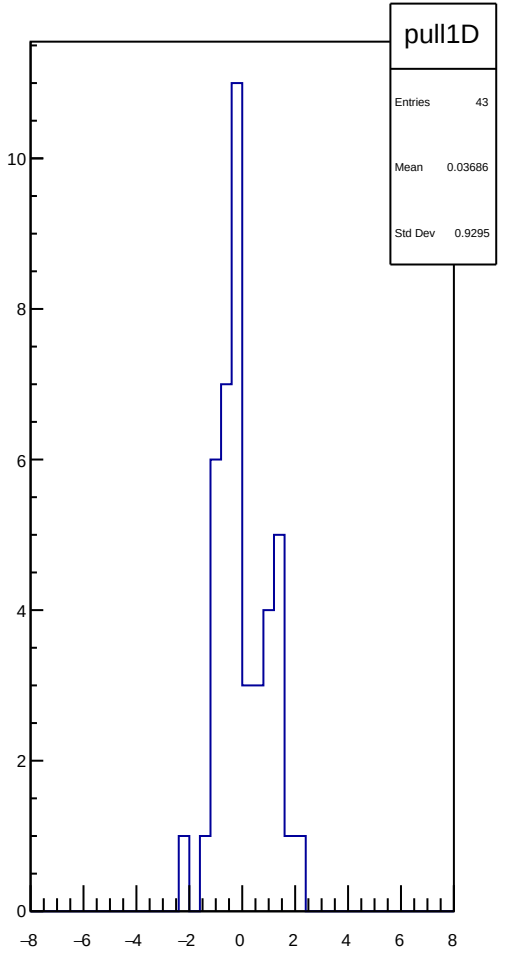

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

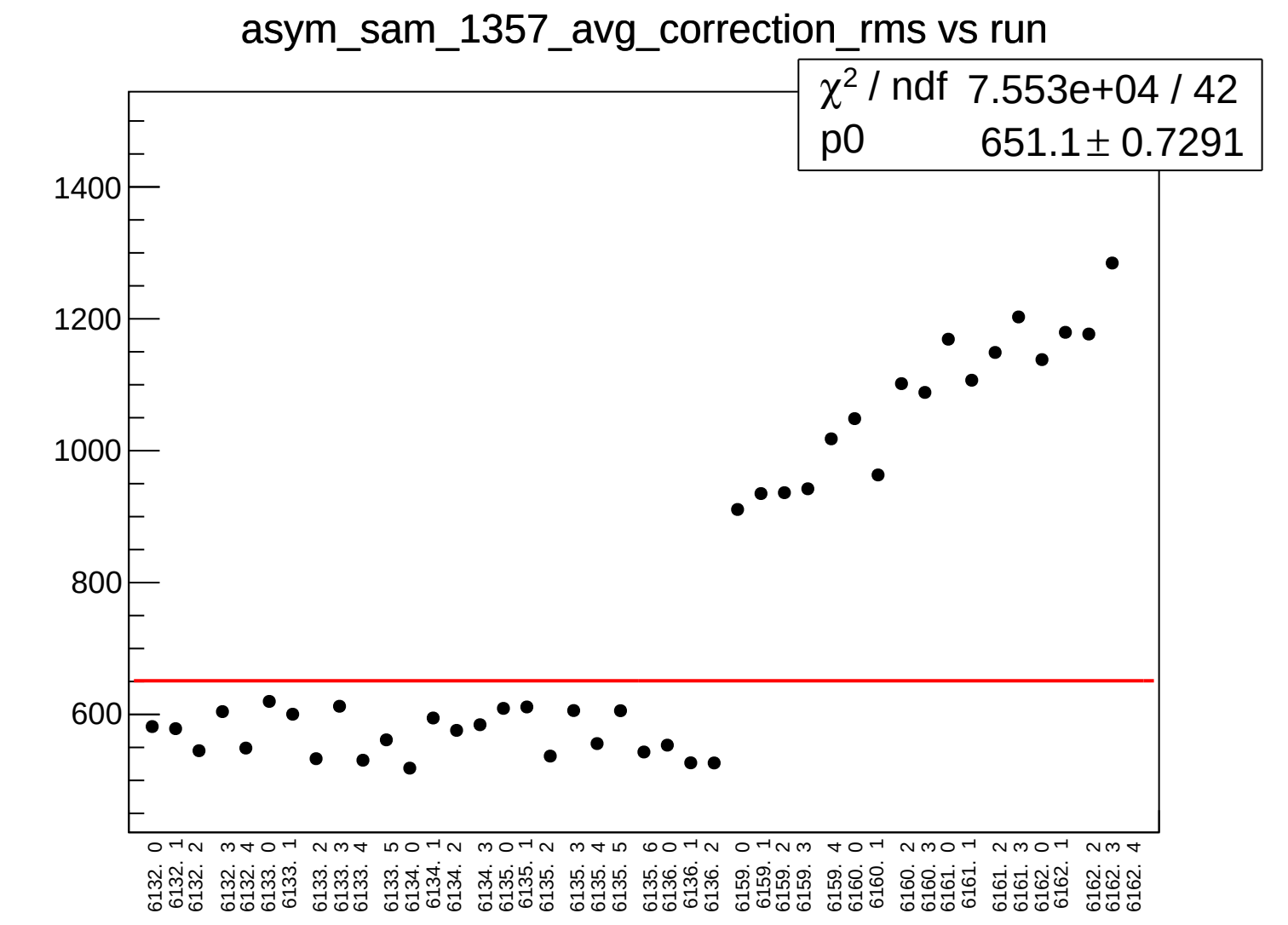

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 54.12 / 42
p0 60.76 ± 84.13
pull
Entries 43
Mean 118
Std Dev 98.22

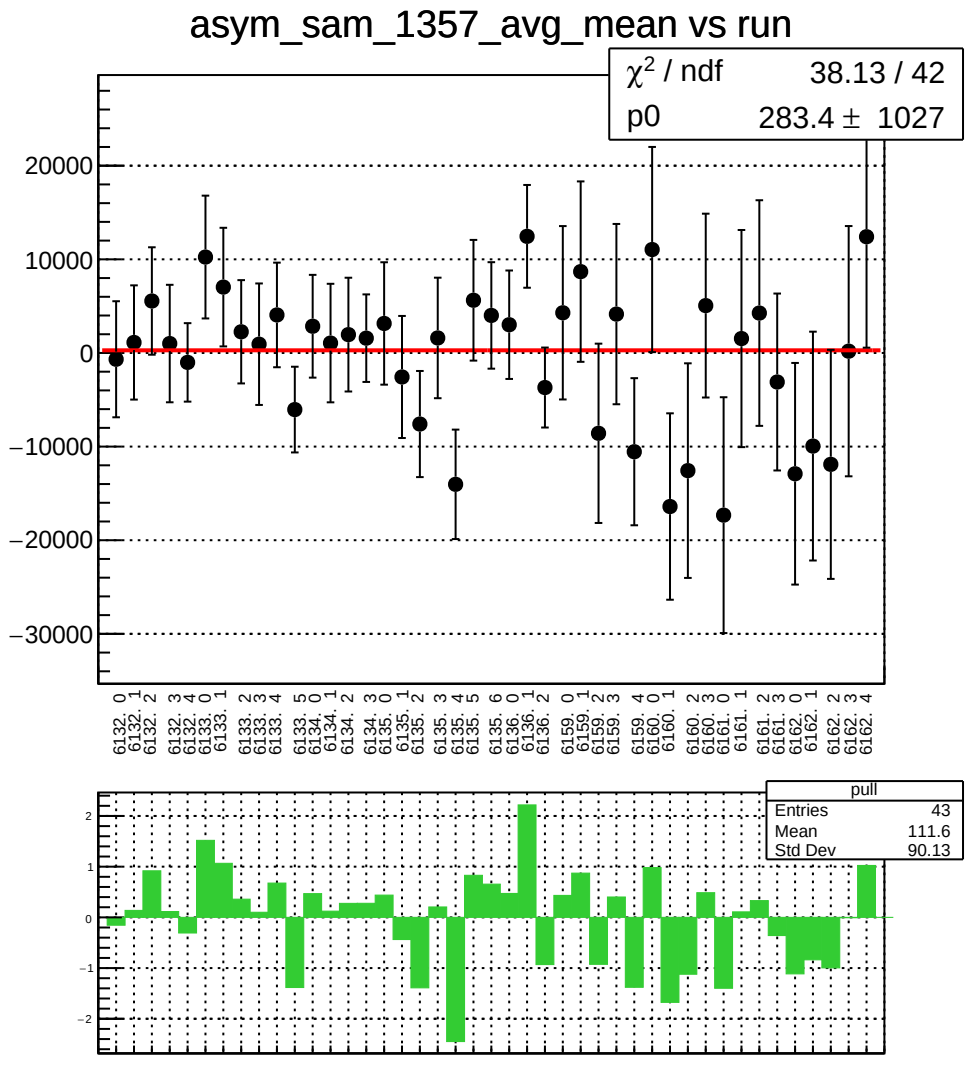

pull1D
Entries 43
Mean 0.03839
Std Dev 1.121

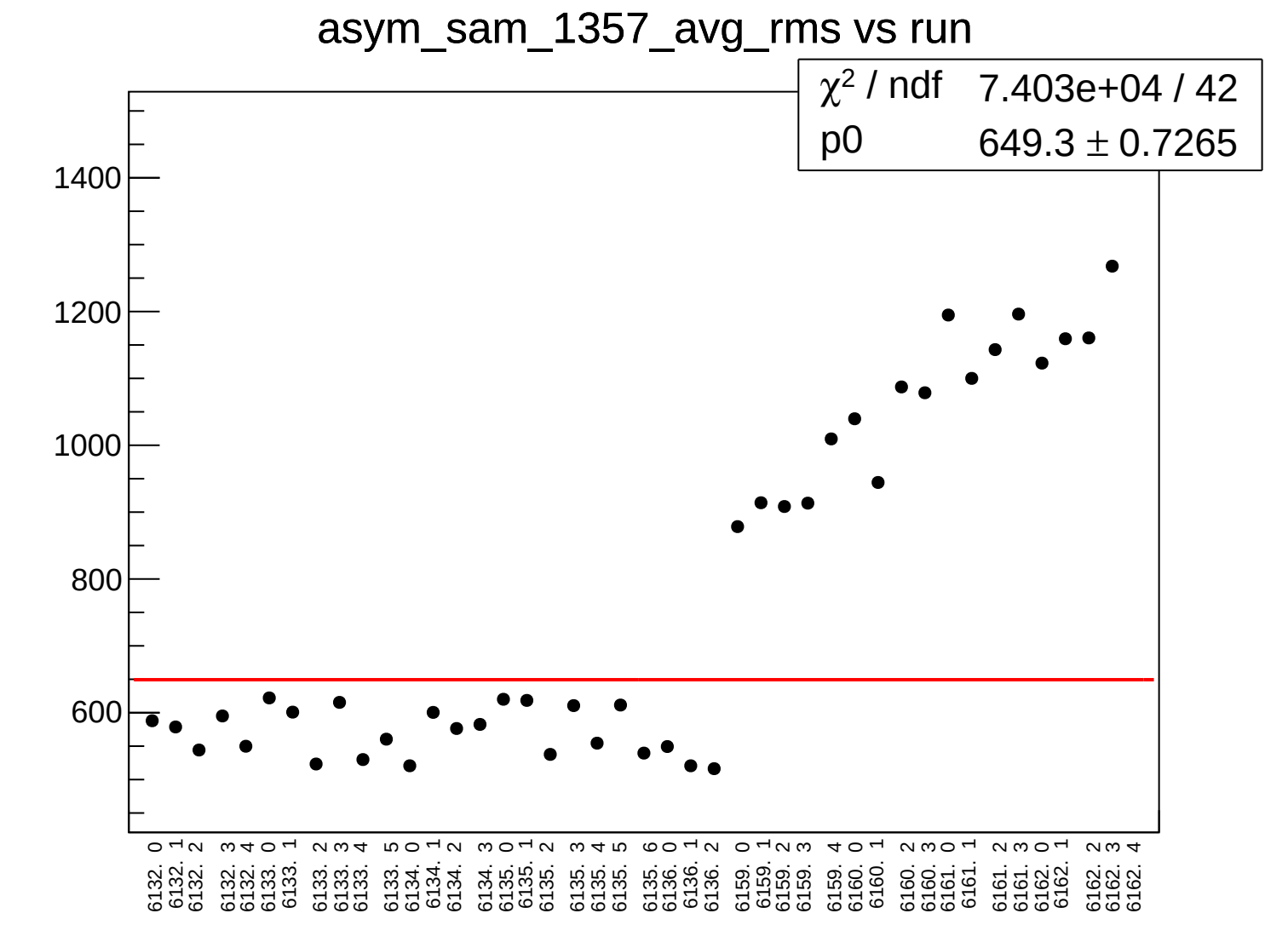

dit_asym_sam_1357_avg_rms vs run
χ² / ndf 1.36e+04 / 42
p0 55.15 ± 0.05949
75
70
65
60
55
50
45
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

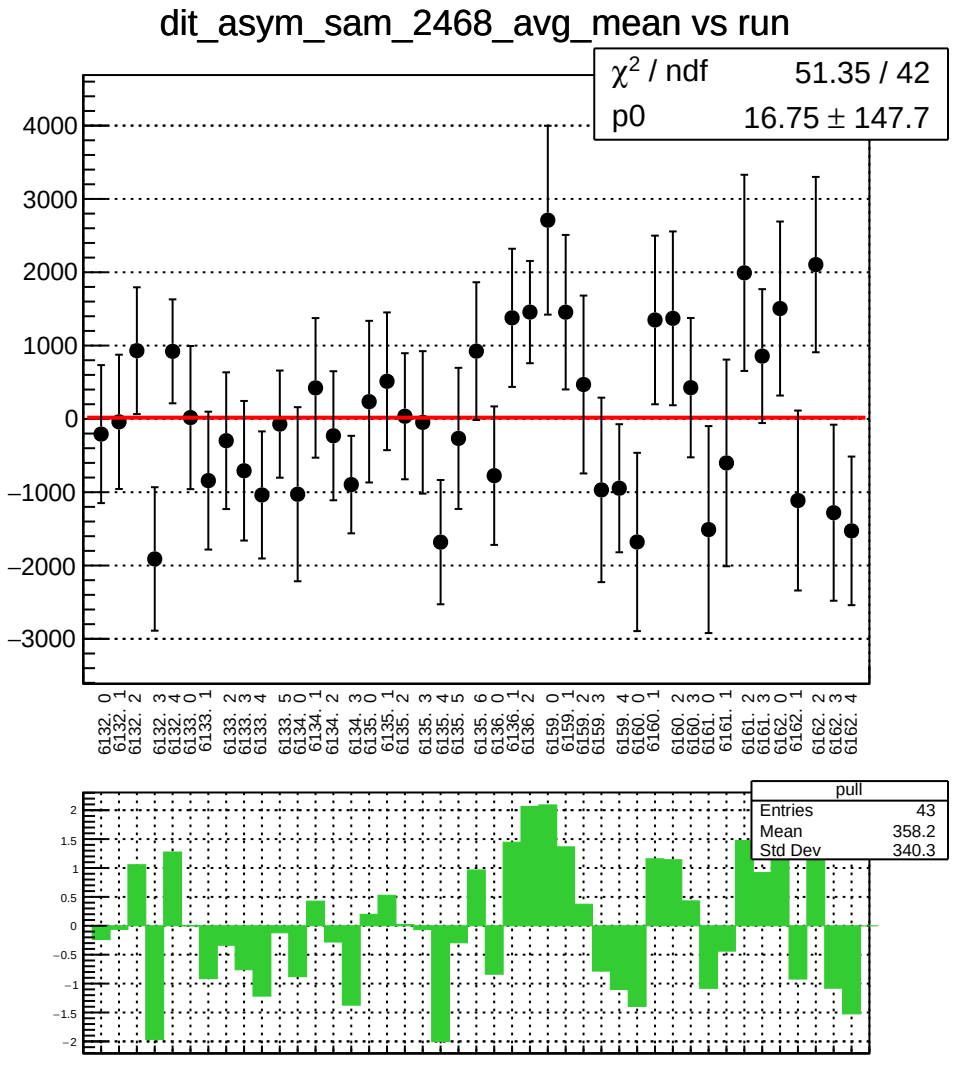

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 37.21 / 42
p0 −347.2 ± 1031
30000
20000
10000
0
−10000
−20000
−30000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 108.7
Std Dev 87.53
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

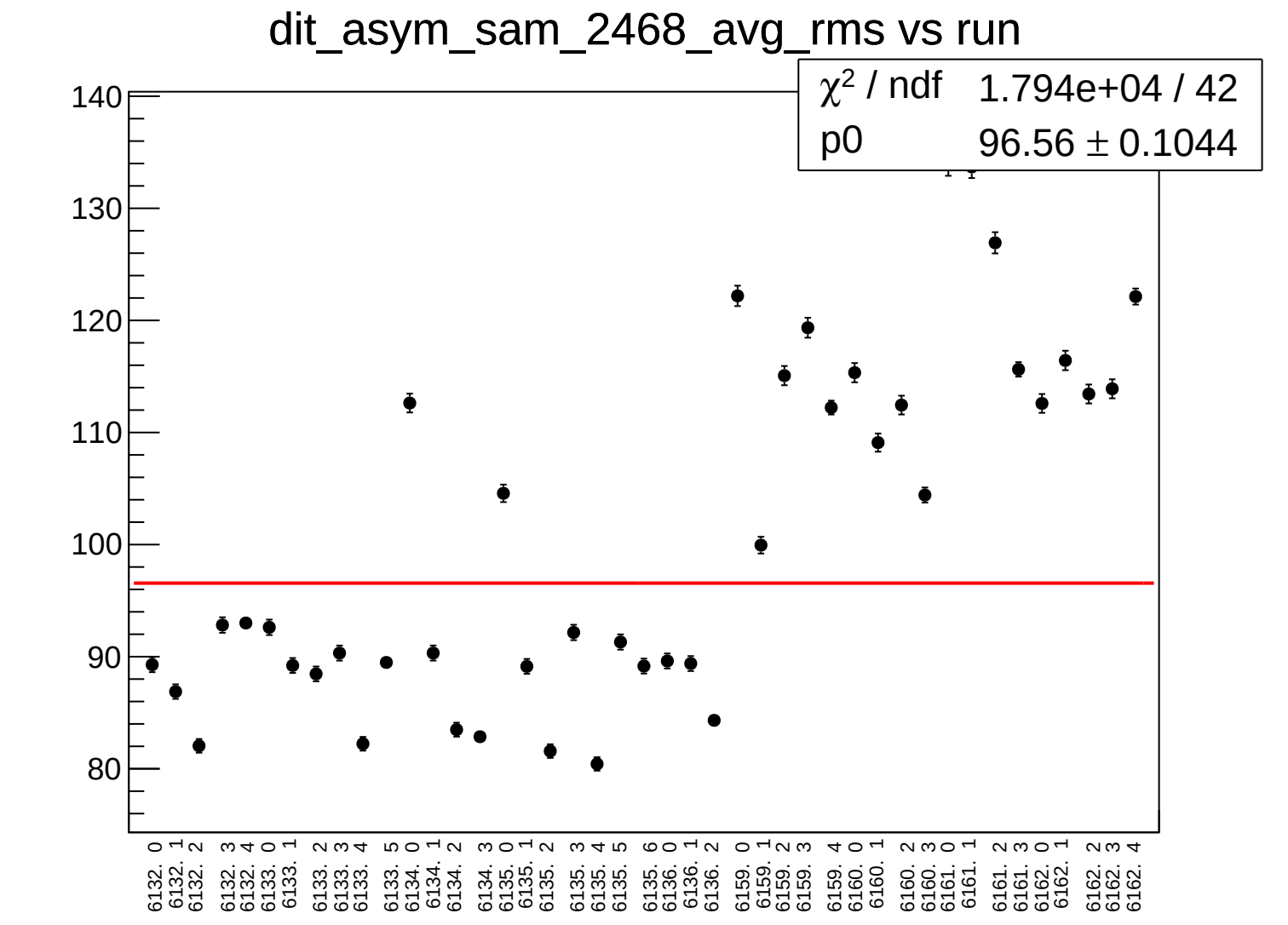

pull1D
Entries 43
Mean 0.03686
Std Dev 0.9295
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

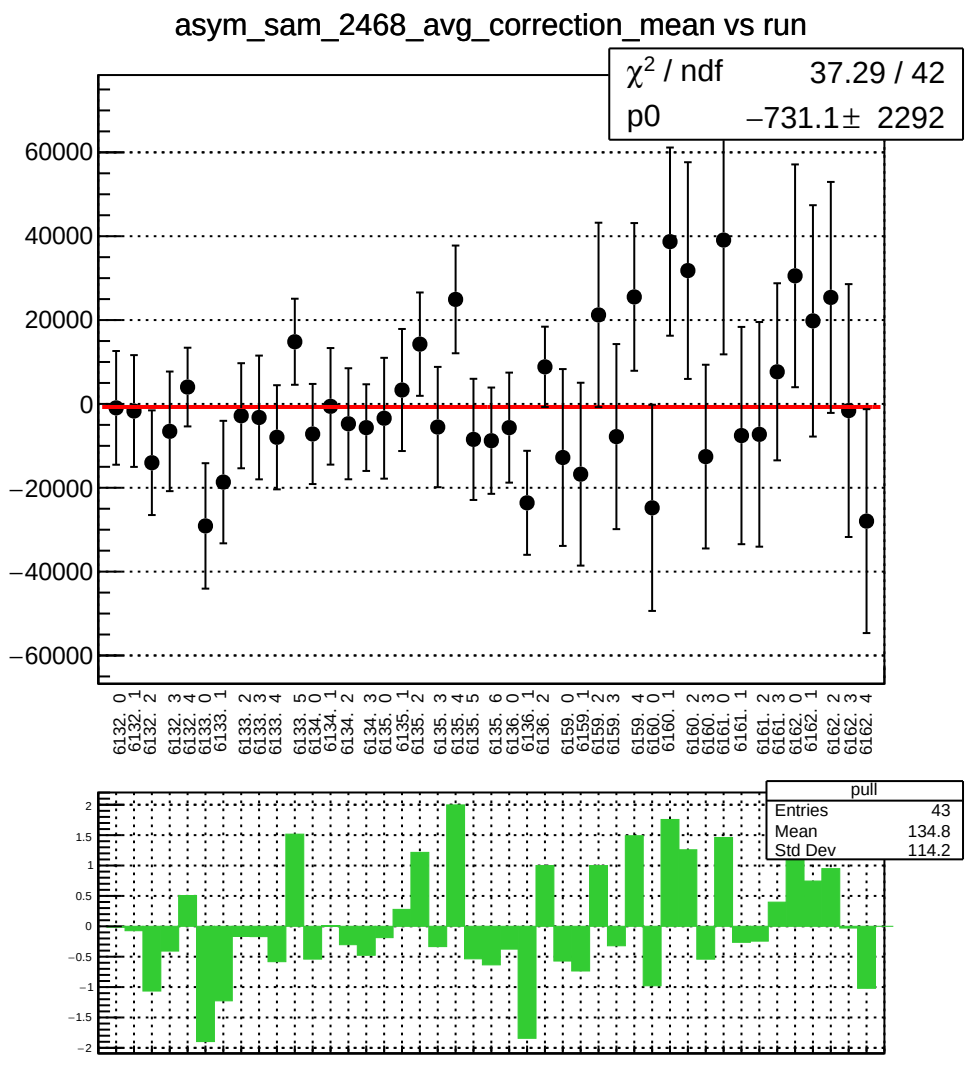

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 7.553e+04 / 42
p0 651.1 ± 0.7291
1400
1200
1000
800
600
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

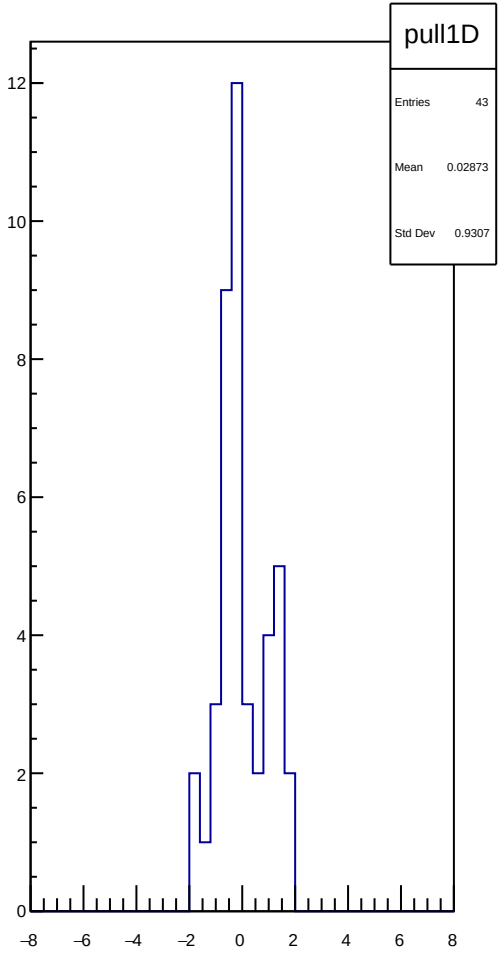

asym_sam_1357_avg_mean vs run
χ² / ndf 38.13 / 42
p0 283.4 ± 1027
20000
10000
0
−10000
−20000
−30000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 111.6
Std Dev 90.13
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.03193
Std Dev 0.9412
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

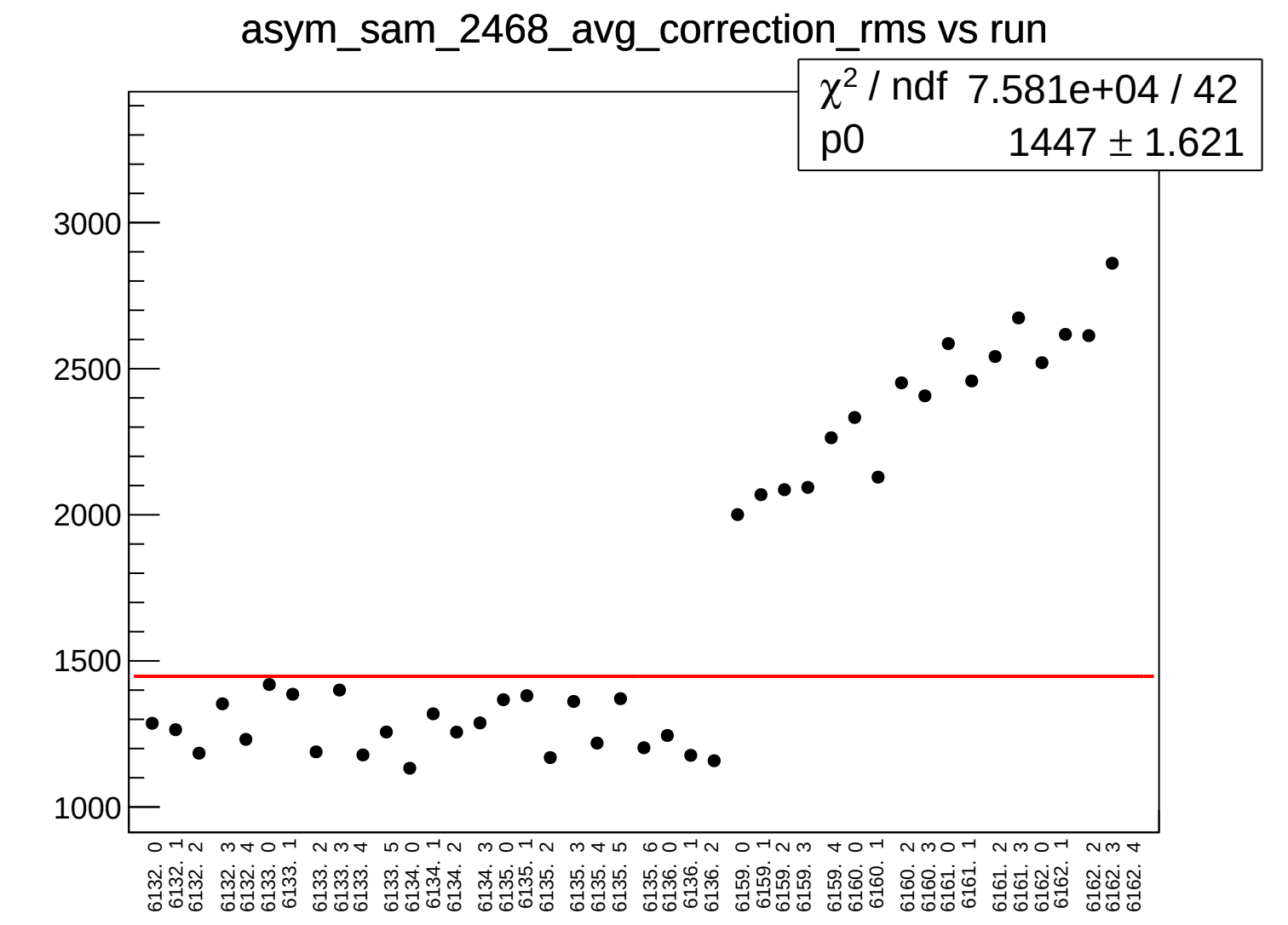

asym_sam_1357_avg_rms vs run
χ² / ndf 7.403e+04 / 42
p0 649.3 ± 0.7265
1400
1200
1000
800
600
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

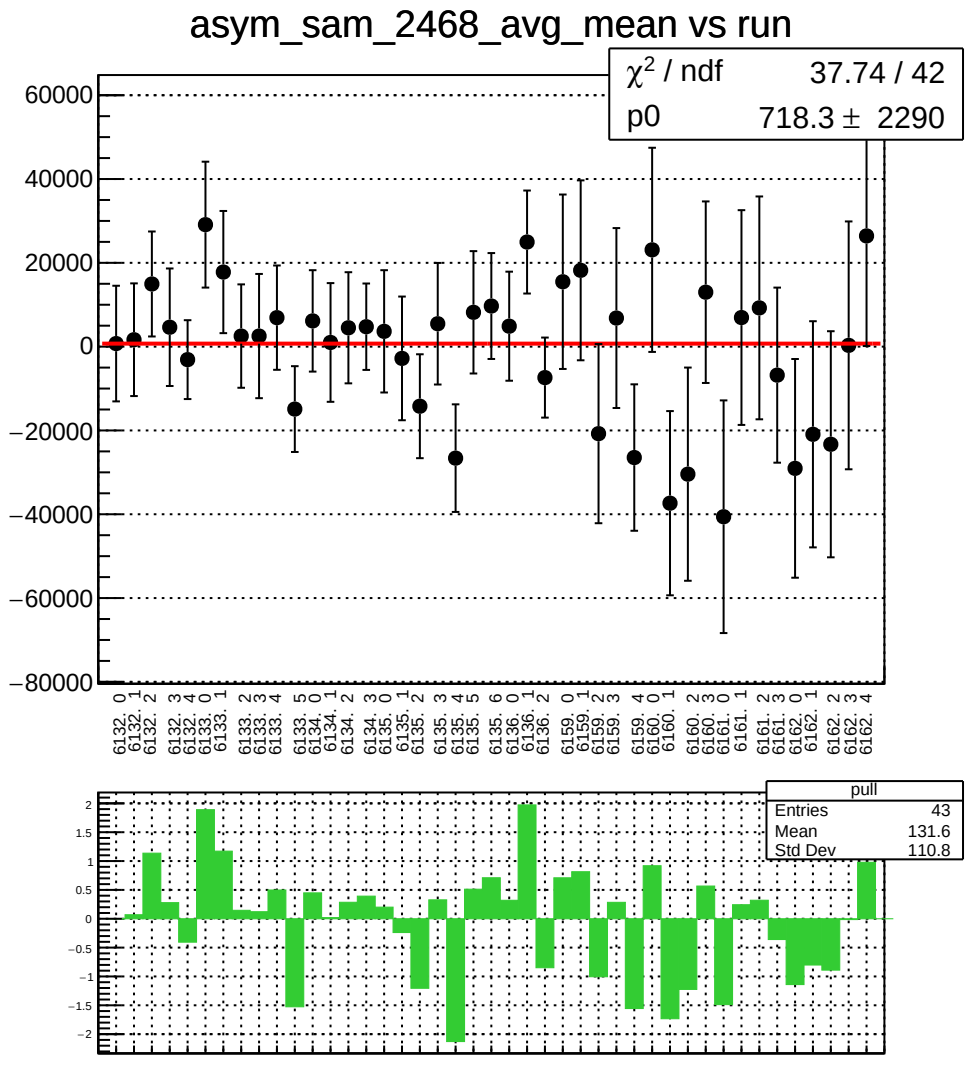

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 51.35 / 42
p0 16.75 ± 147.7
4000
3000
2000
1000
0
−1000
−2000
−3000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 358.2
Std Dev 340.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.006261
Std Dev 1.093
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

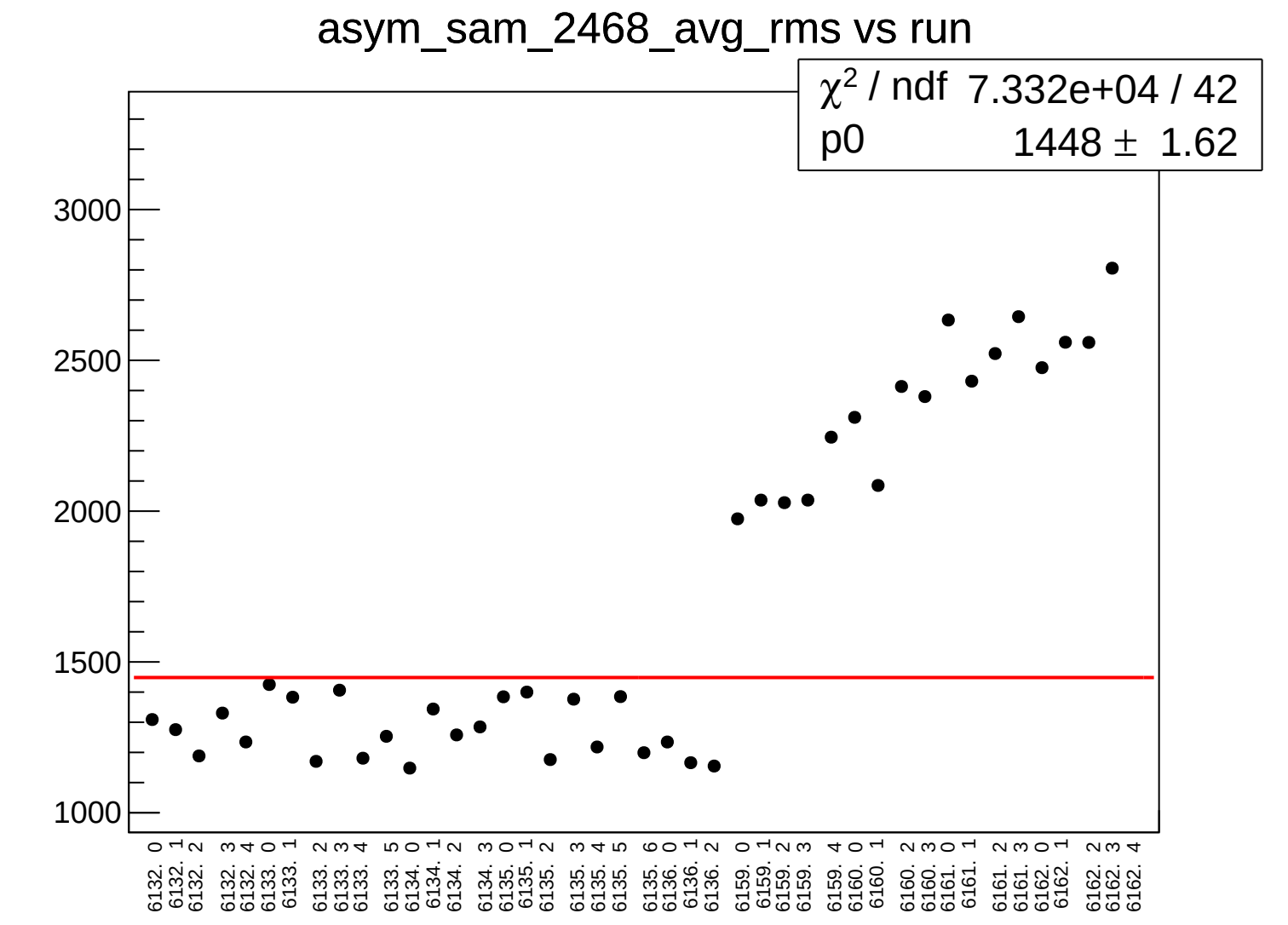

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 1.794e+04 / 42
p0 96.56 ± 0.1044
140
130
120
110
100
90
80
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

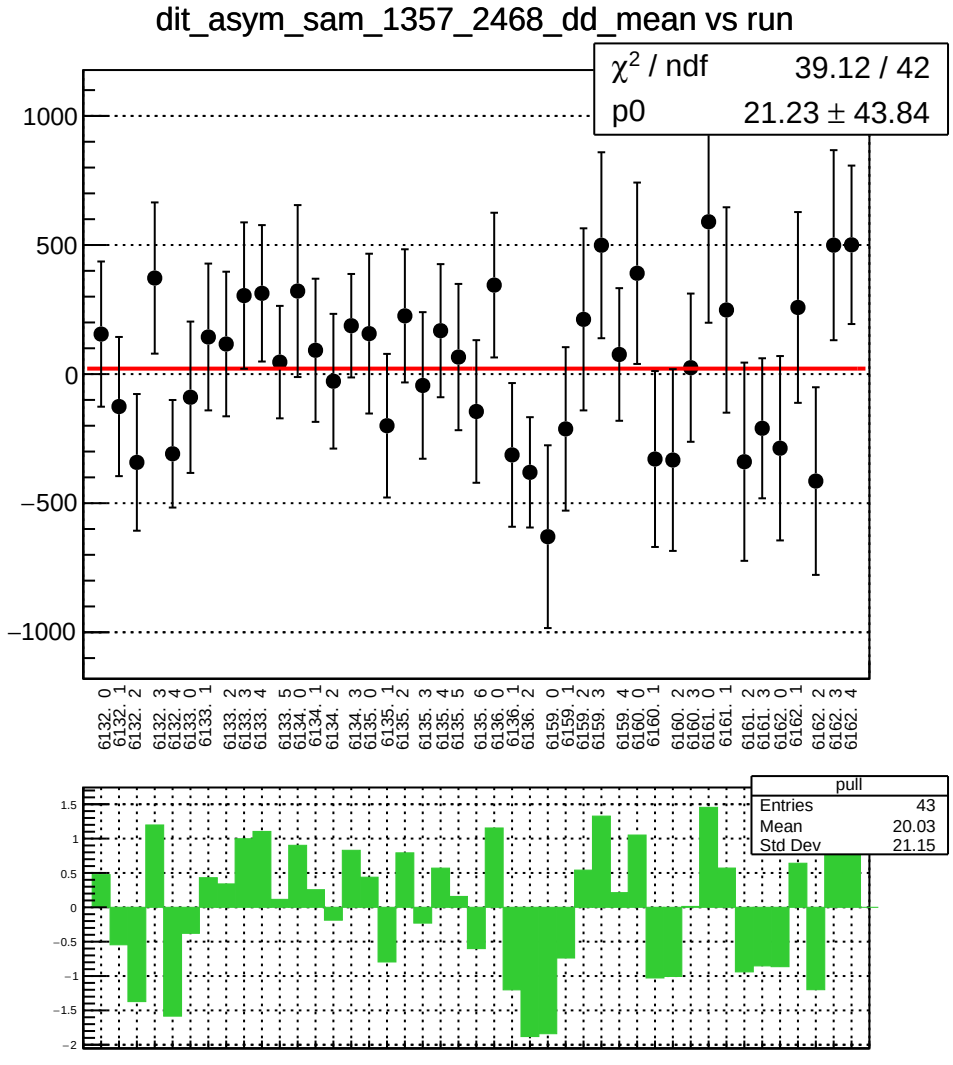

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 37.29 / 42
p0 −731.1± 2292
60000
40000
20000
0
−20000
−40000
−60000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 134.8
Std Dev 114.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

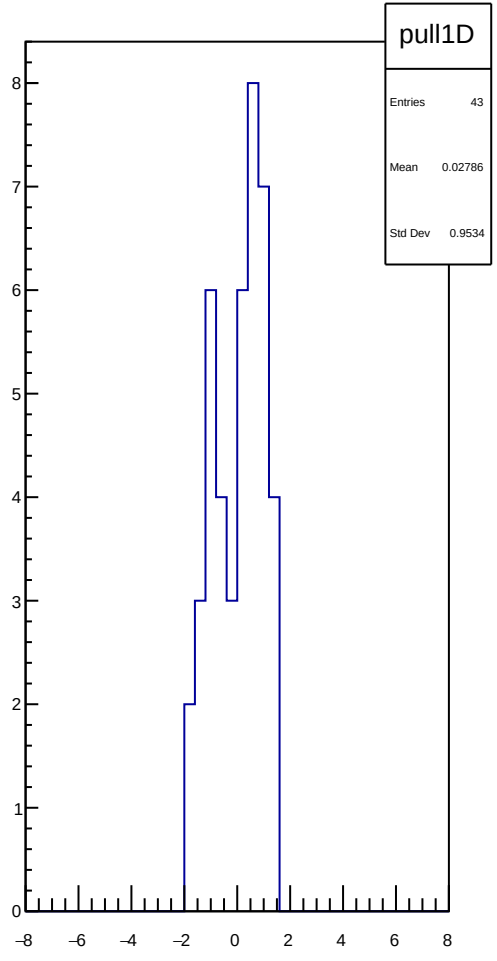

pull1D
Entries 43
Mean 0.02873
Std Dev 0.9307
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

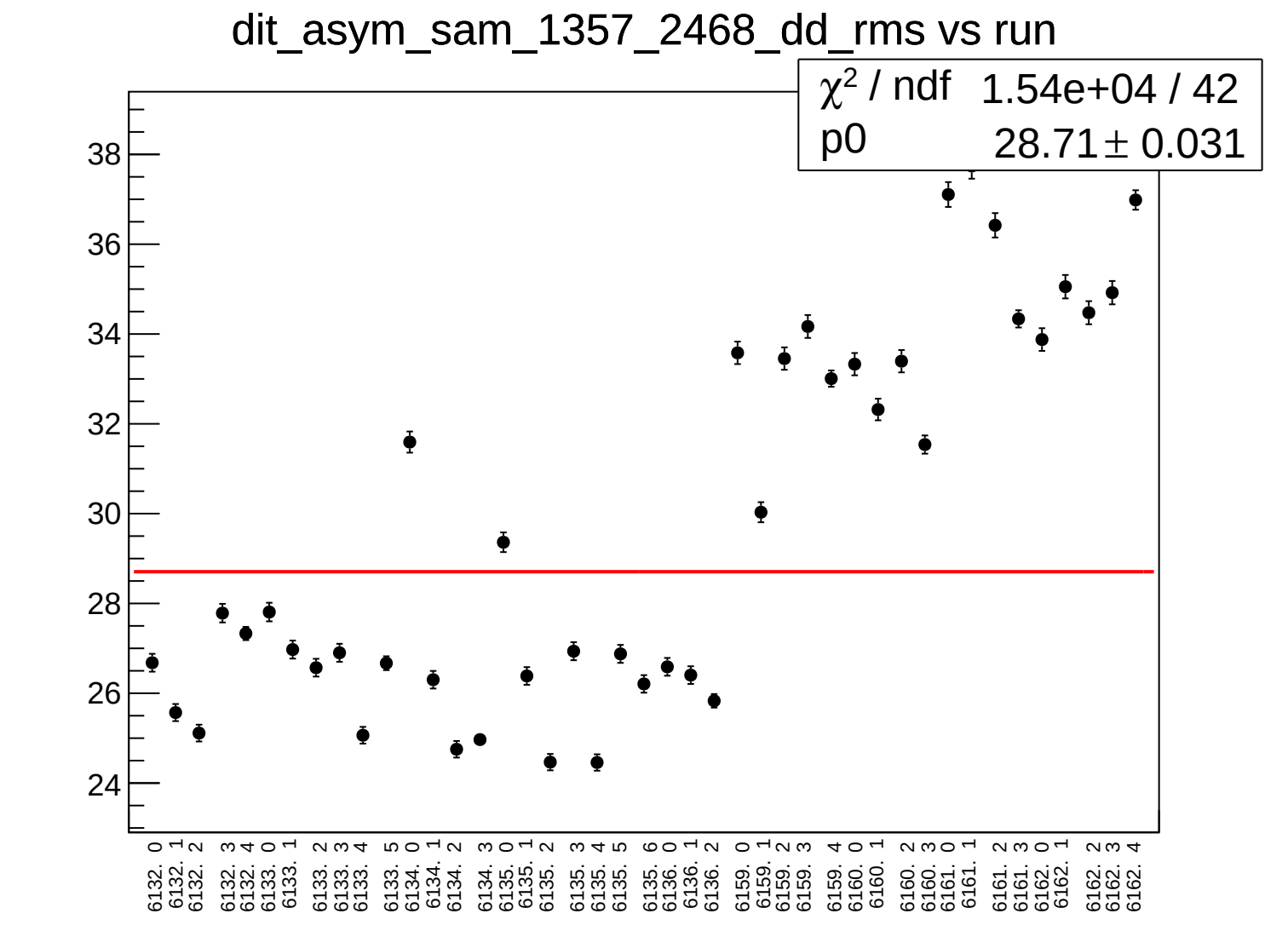

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 7.581e+04 / 42
p0 1447 ± 1.621
3000
2500
2000
1500
1000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

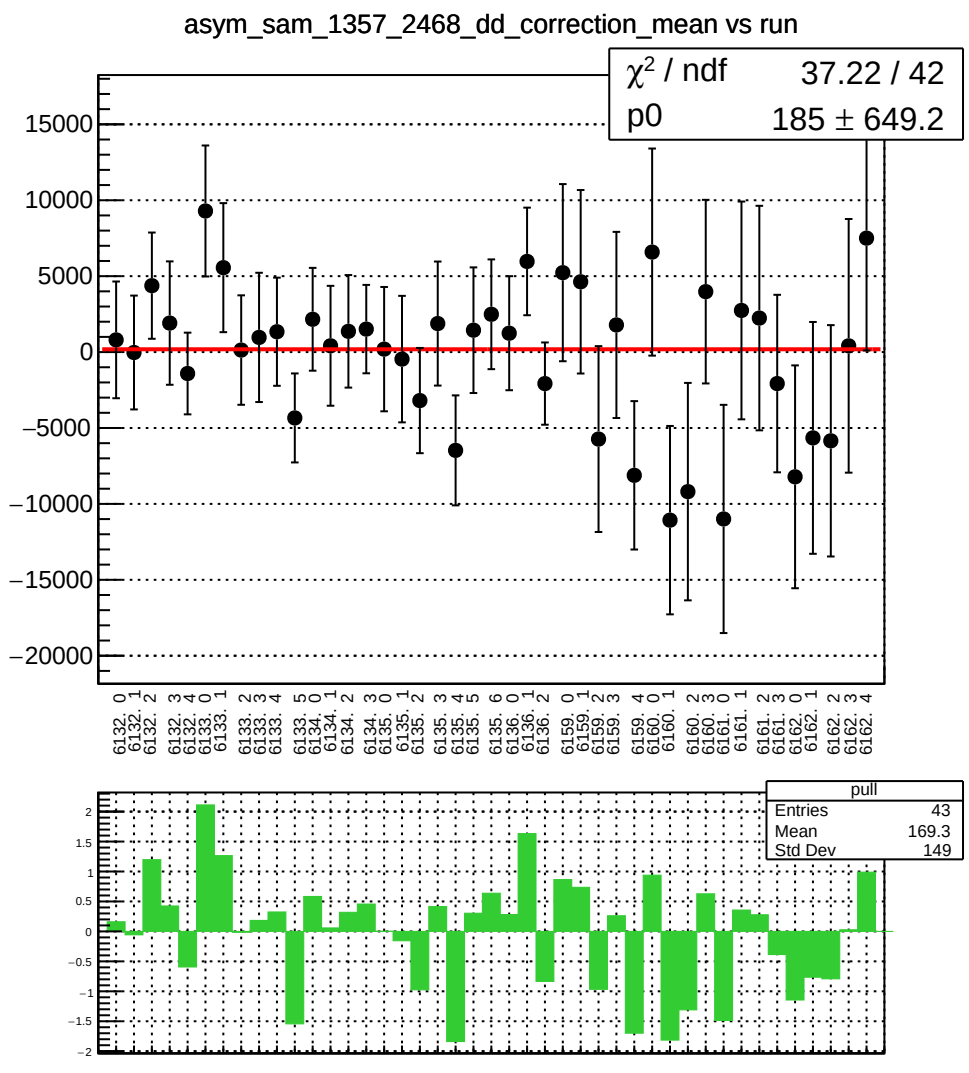

asym_sam_2468_avg_mean vs run
χ² / ndf 37.74 / 42
p0 718.3 ± 2290
60000
40000
20000
0
−20000
−40000
−60000
−80000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 131.6
Std Dev 110.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.02847
Std Dev 0.9364
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

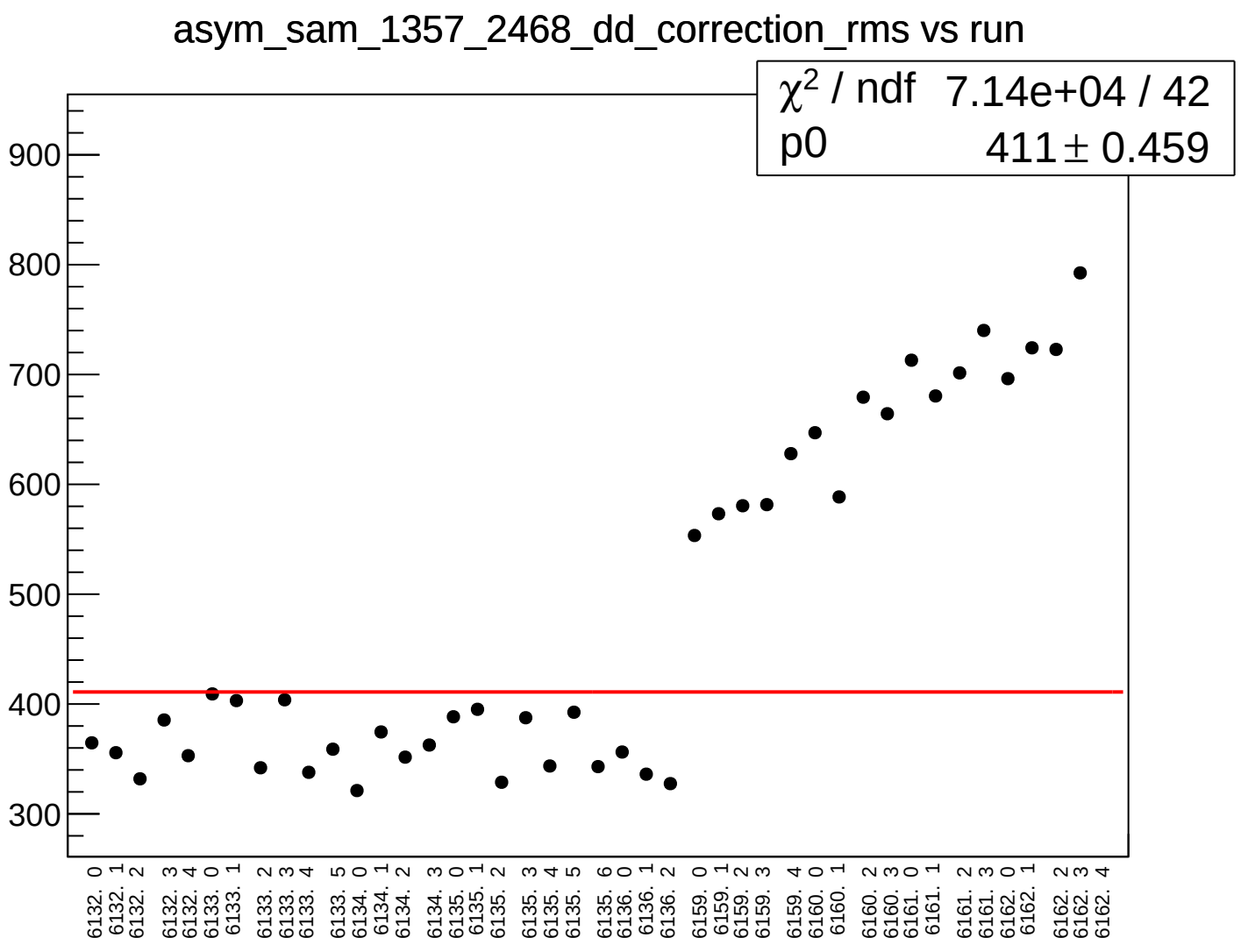

asym_sam_2468_avg_rms vs run
χ² / ndf 7.332e+04 / 42
p0 1448 ± 1.62
3000
2500
2000
1500
1000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

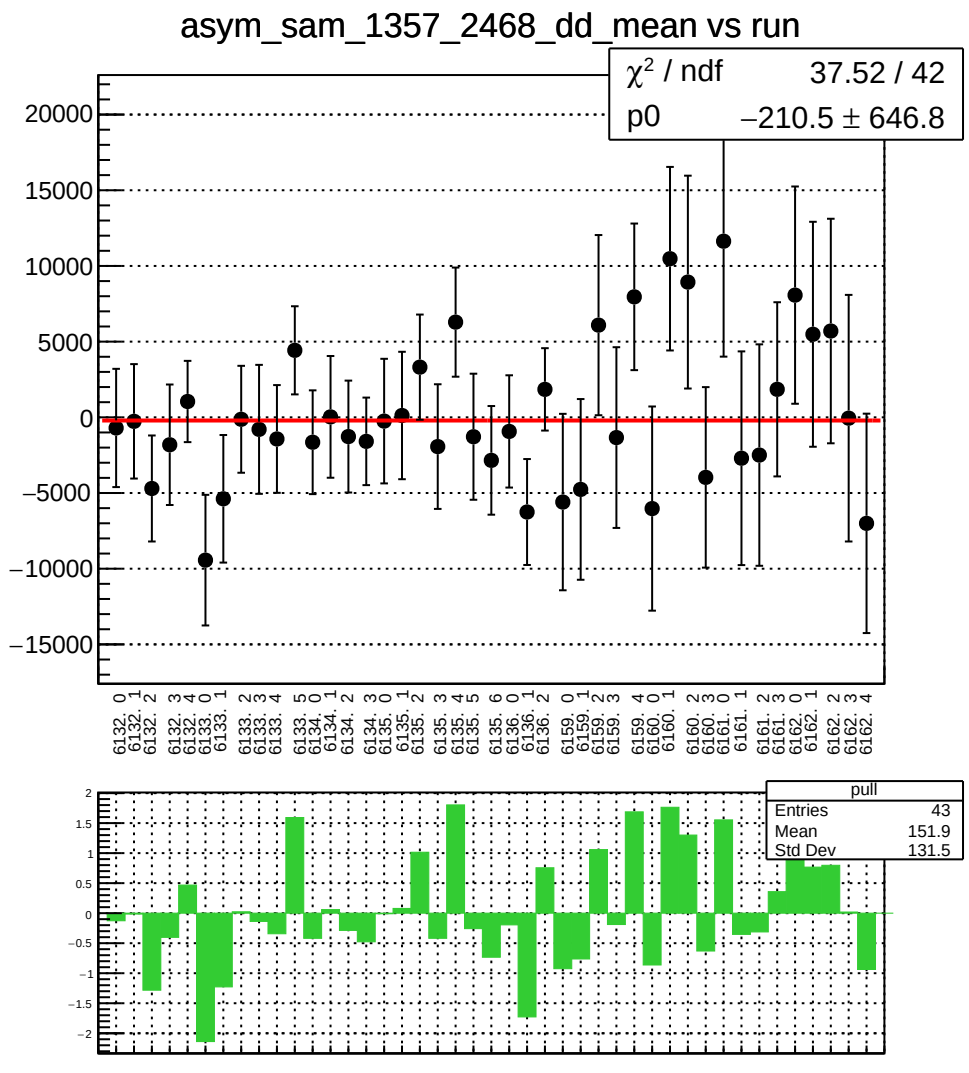

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 39.12 / 42
p0 21.23 ± 43.84
1000
500
0
−500
−1000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 20.03
Std Dev 21.15
1.5
1
0.5
0
−0.5
−1
−1.5
−2

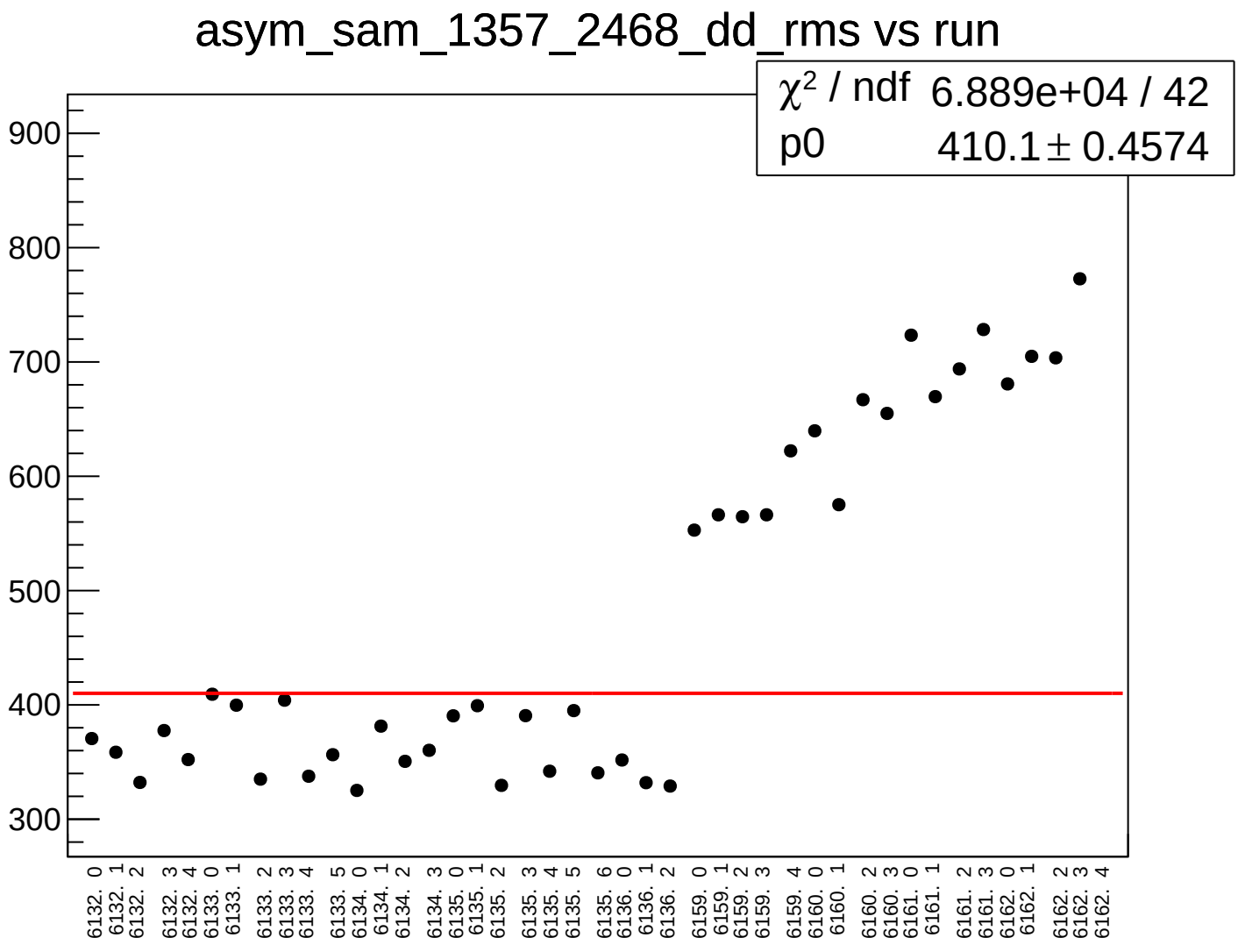

pull1D
Entries 43
Mean 0.02786
Std Dev 0.9534
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

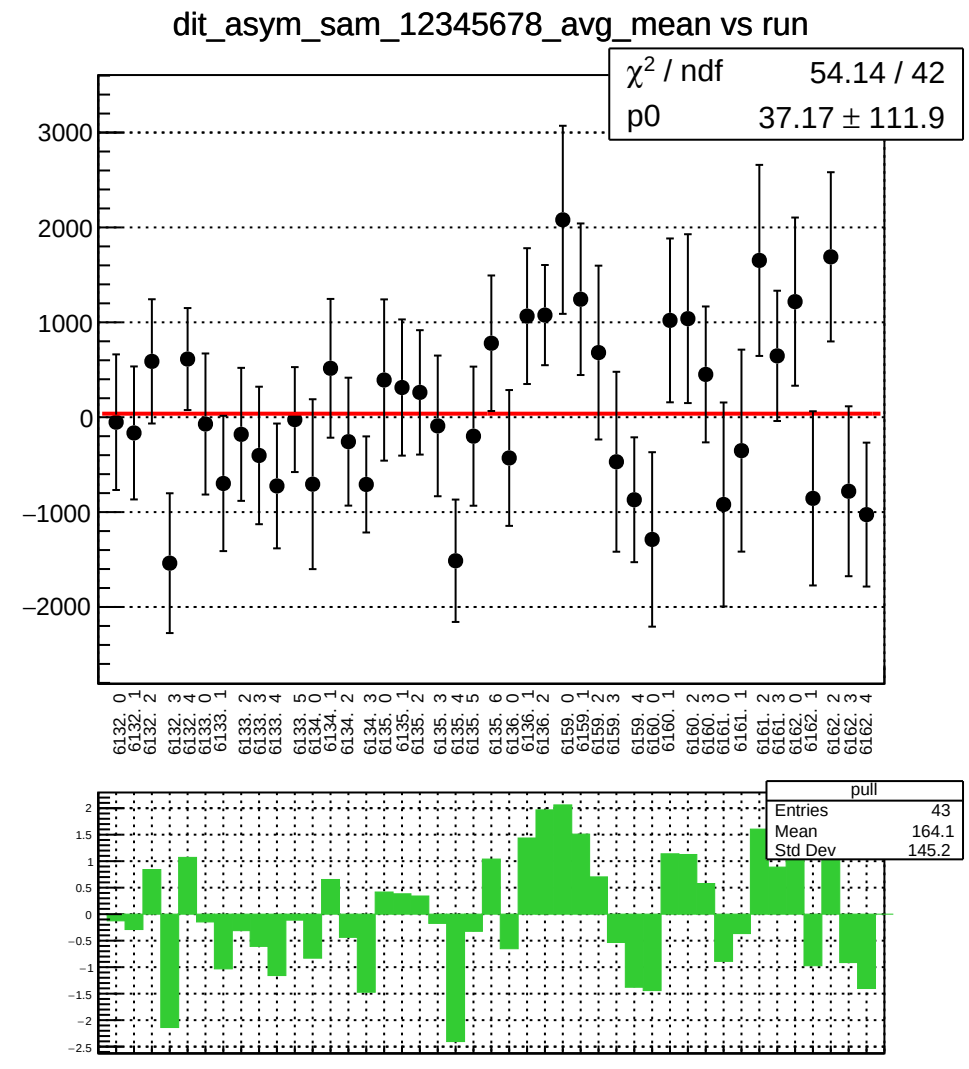

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.54e+04 / 42
p0 28.71 ± 0.031
38
36
34
32
30
28
26
24
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

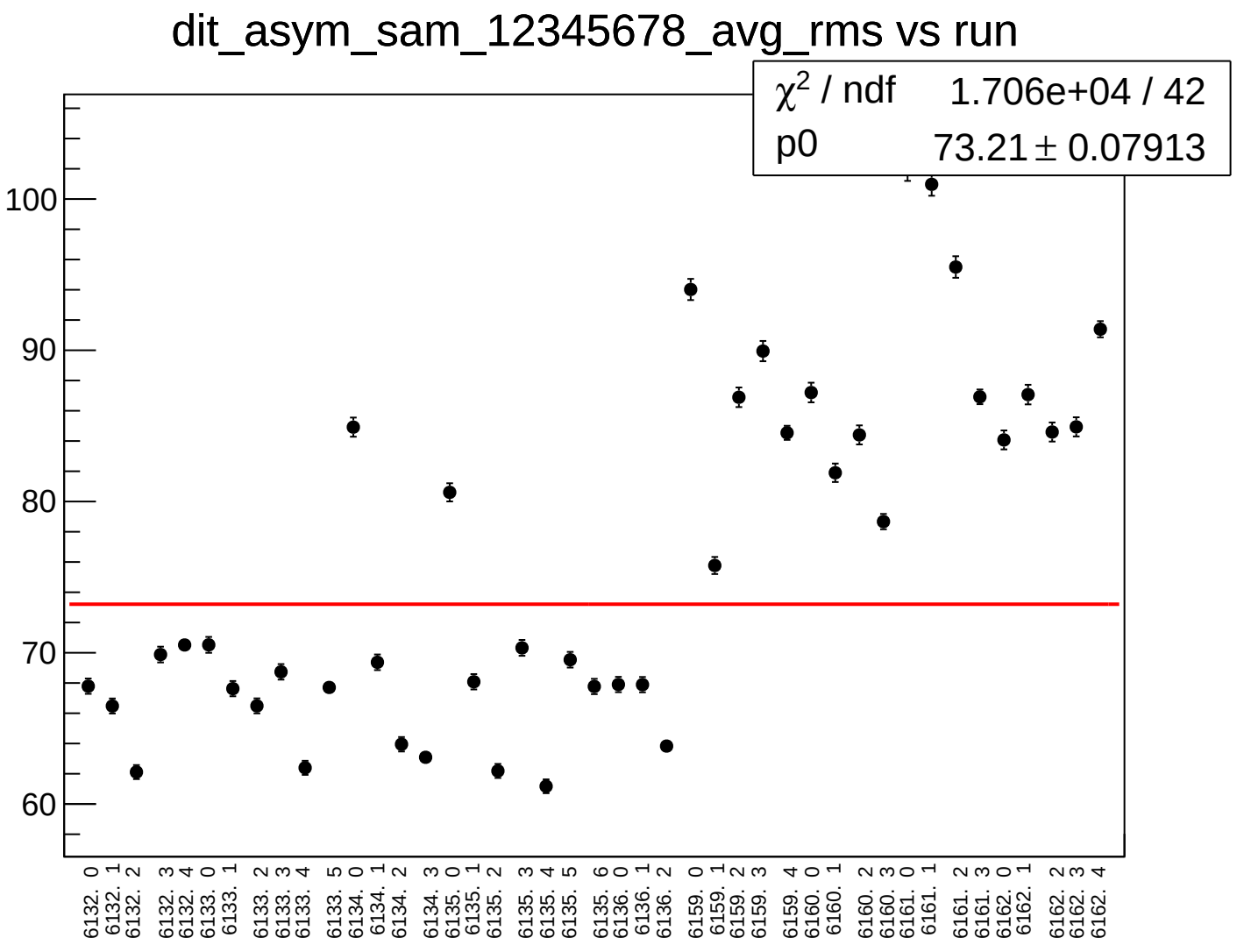

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 37.22 / 42
p0 185 ± 649.2
15000
10000
5000
0
−5000
−10000
−15000
−20000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 169.3
Std Dev 149
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.02187
Std Dev 0.9301
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

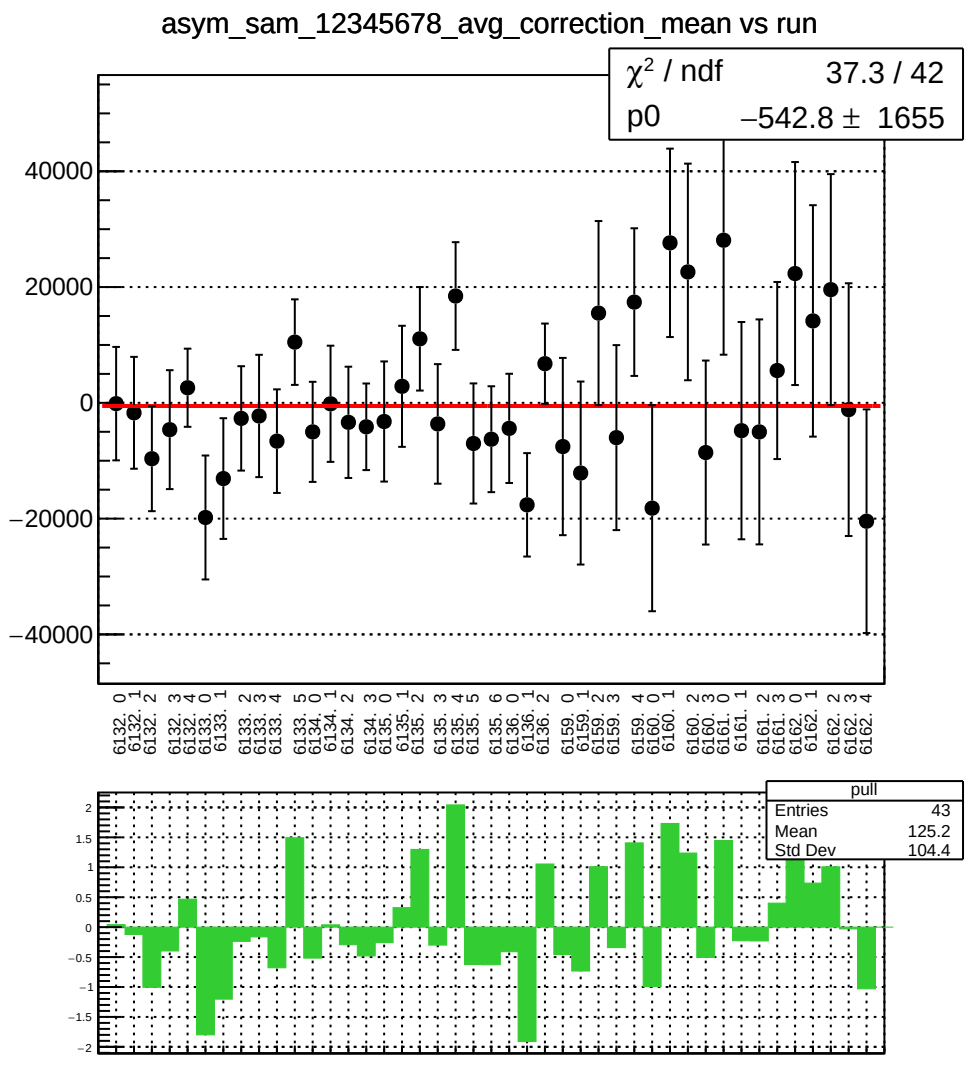

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 7.14e+04 / 42
p0 411 ± 0.459
900
800
700
600
500
400
300
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

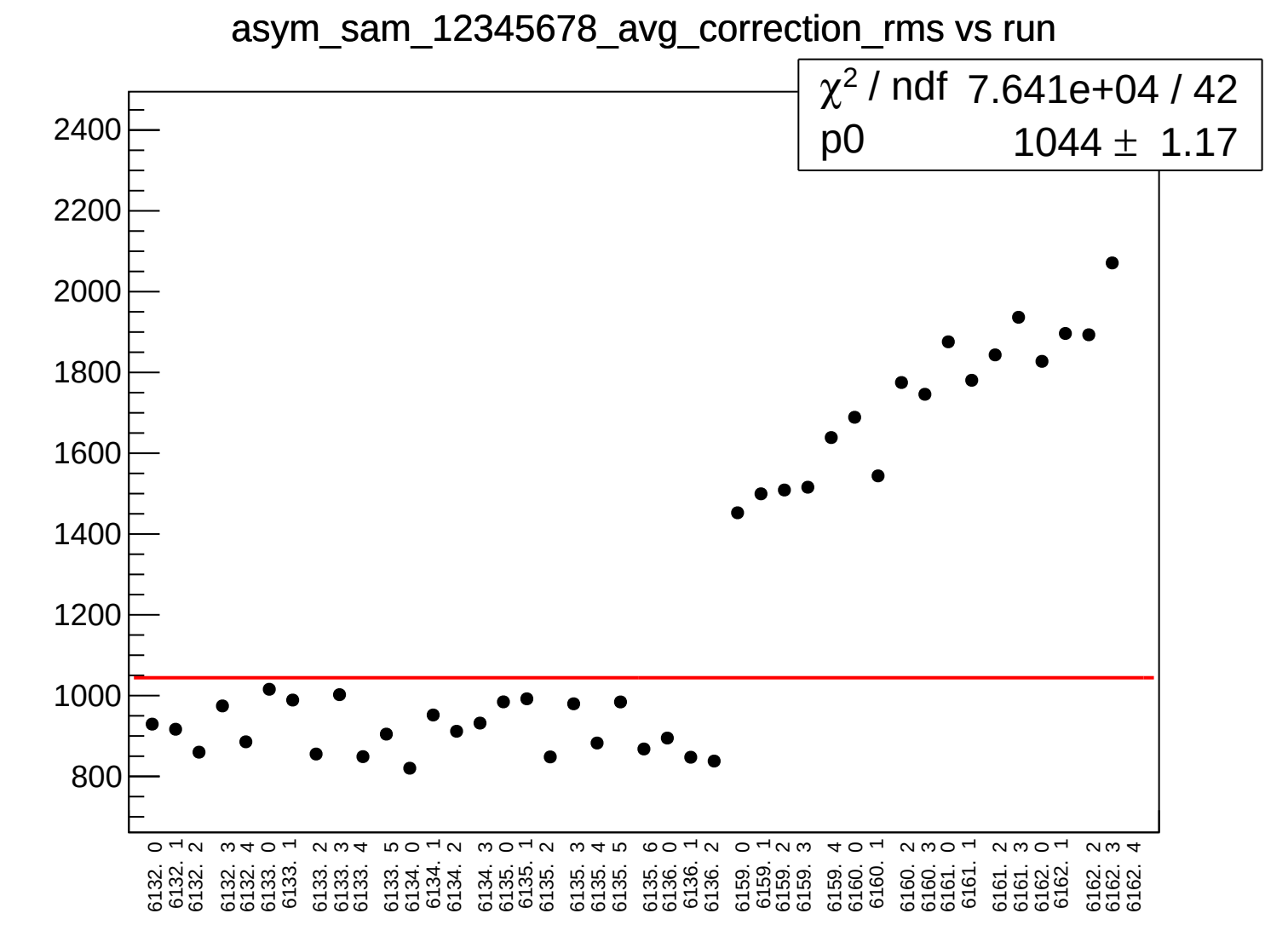

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 37.52 / 42
p0 −210.5 ± 646.8
20000
15000
10000
5000
0
−5000
−10000
−15000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 151.9
Std Dev 131.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.02531
Std Dev 0.9337
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

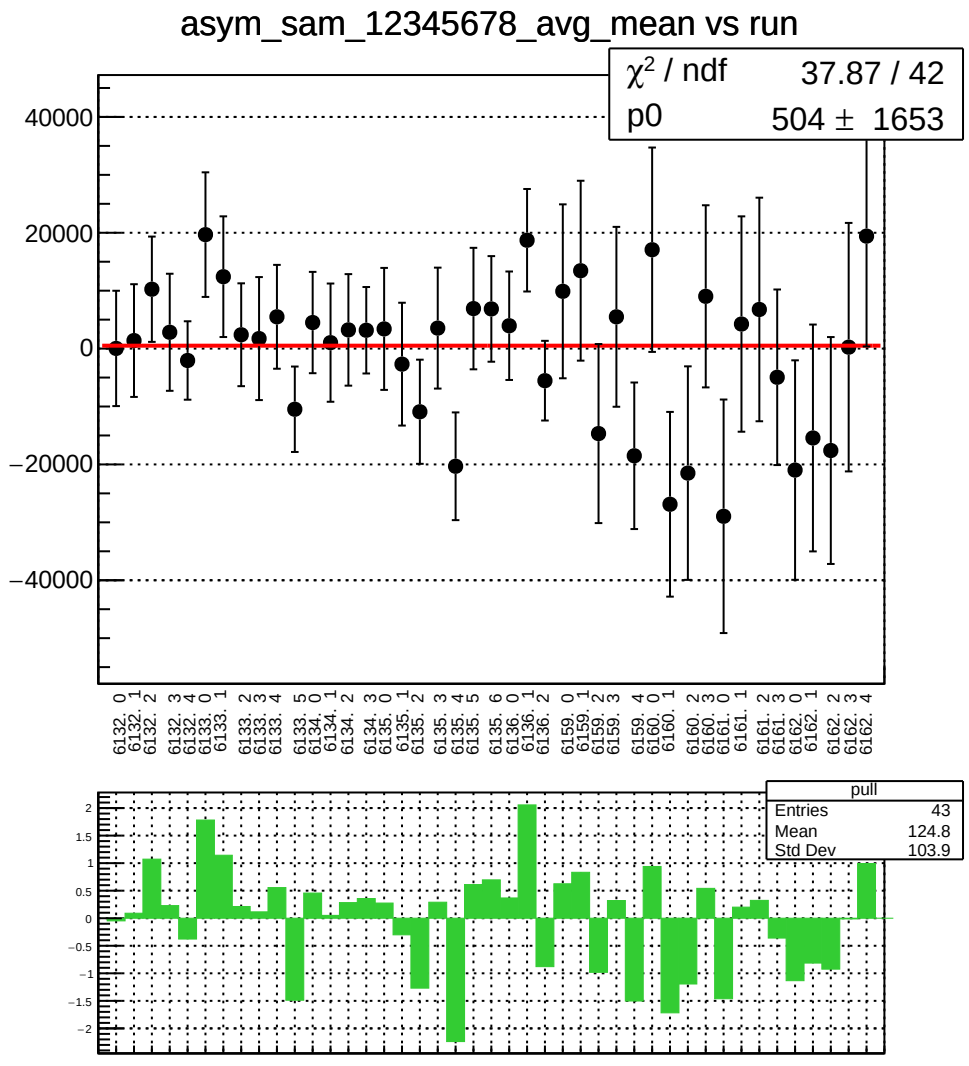

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 6.889e+04 / 42
p0 410.1 ± 0.4574
900
800
700
600
500
400
300
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

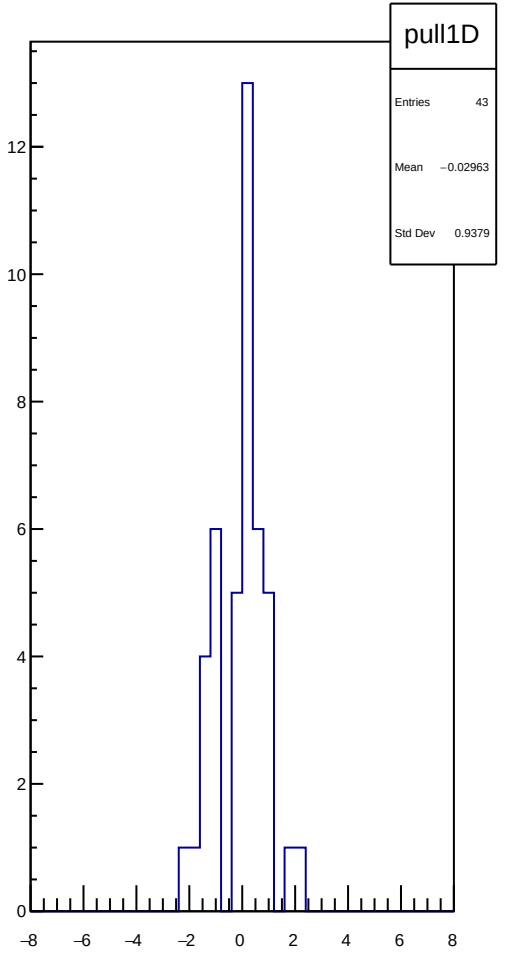

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 54.14 / 42
p0 37.17 ± 111.9
3000
2000
1000
0
−1000
−2000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 164.1
Std Dev 145.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean 0.01946
Std Dev 1.122
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

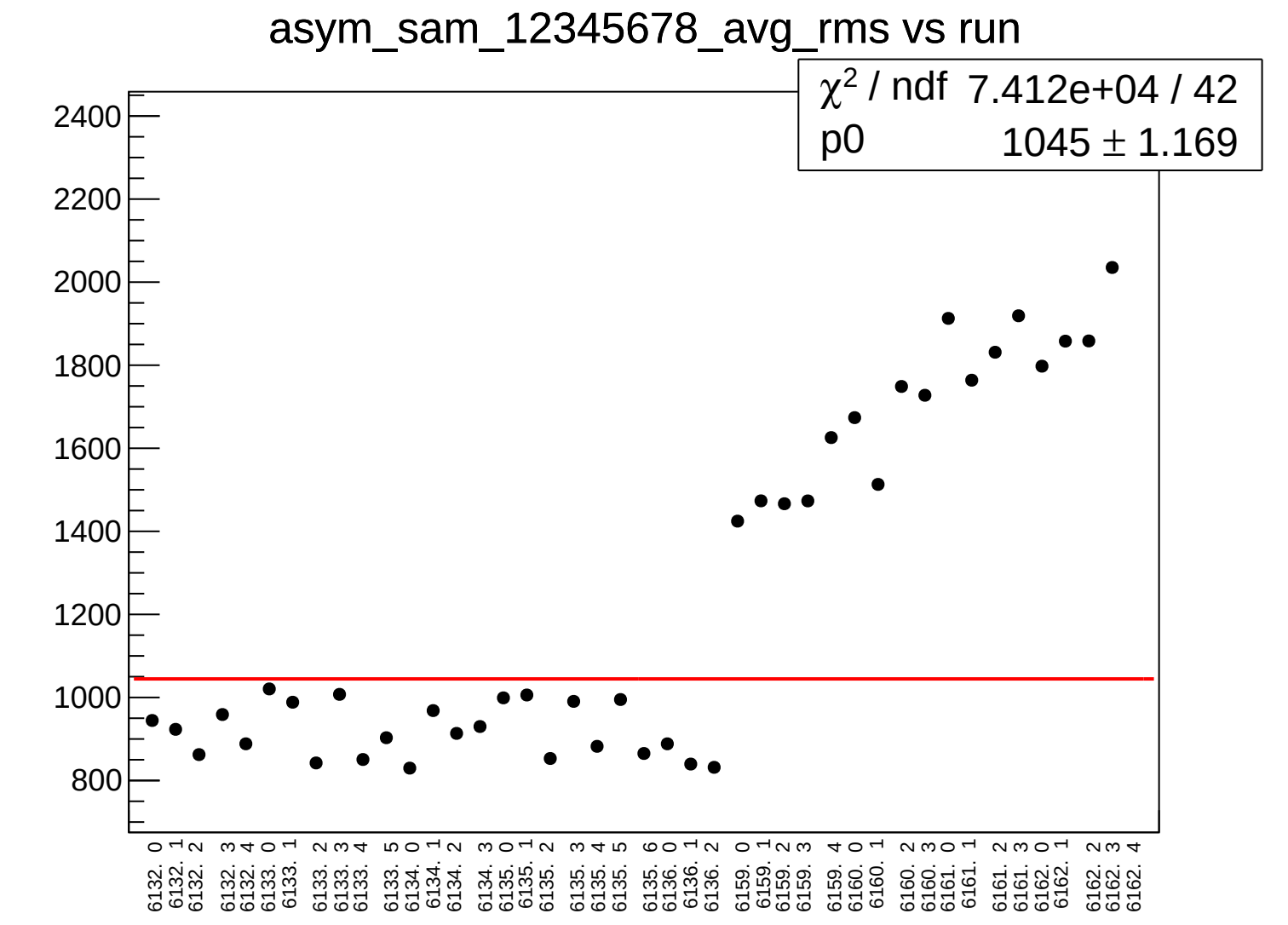

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 1.706e+04 / 42
p0 73.21 ± 0.07913
100
90
80
70
60
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

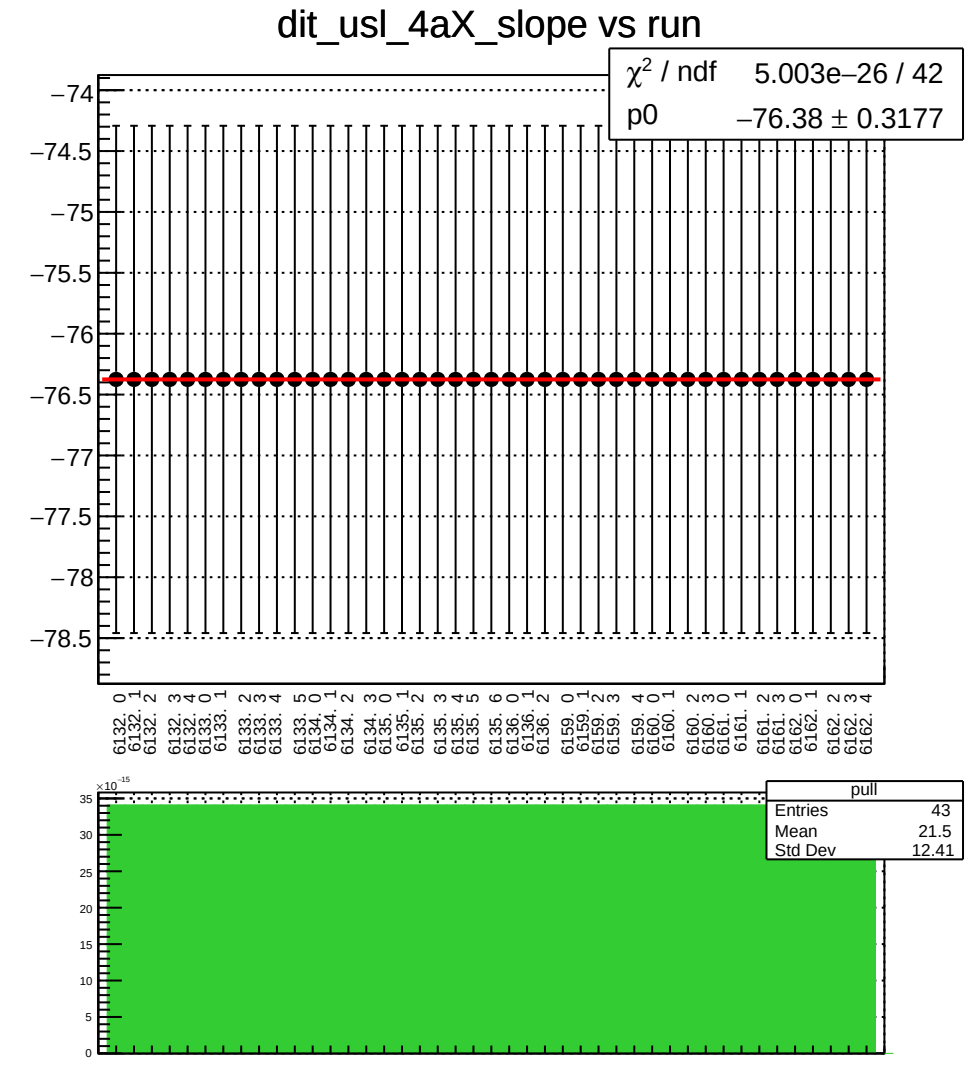

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 37.3 / 42
p0 −542.8 ± 1655
40000
20000
0
−20000
−40000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 125.2
Std Dev 104.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.03135
Std Dev 0.9308
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

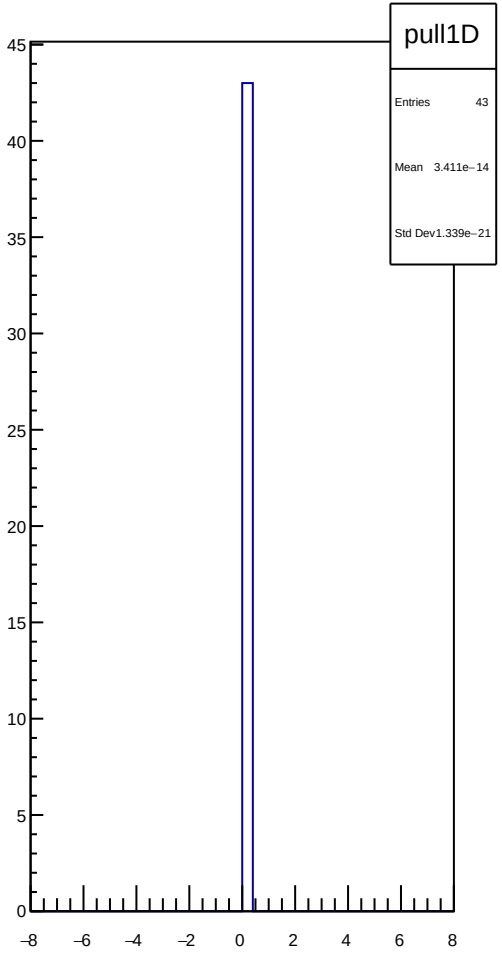

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 7.641e+04 / 42
p0 1044 ± 1.17
2400
2200
2000
1800
1600
1400
1200
1000
800
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

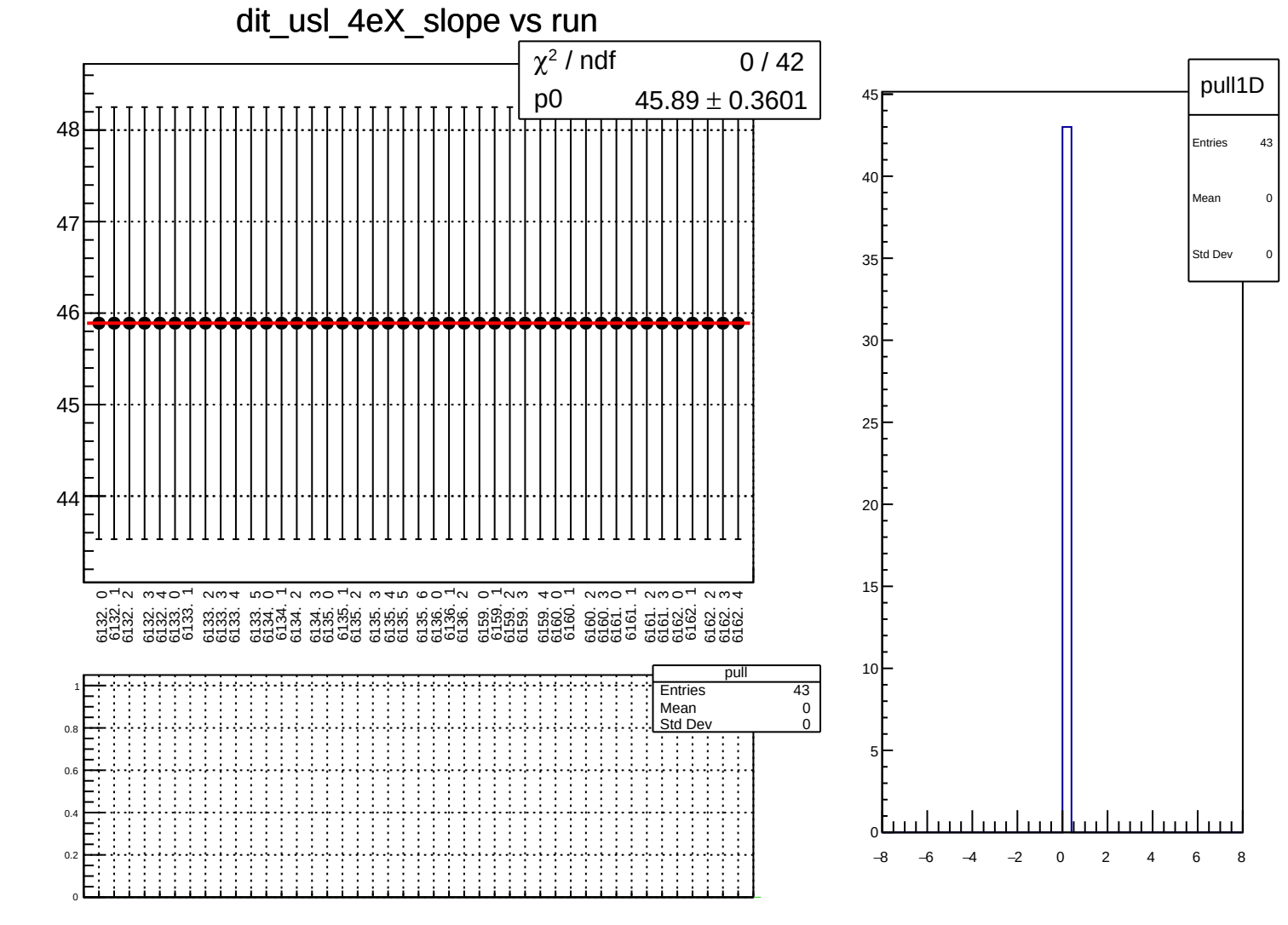

asym_sam_12345678_avg_mean vs run
χ² / ndf 37.87 / 42
p0 504 ± 1653
40000
20000
0
−20000
−40000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 124.8
Std Dev 103.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

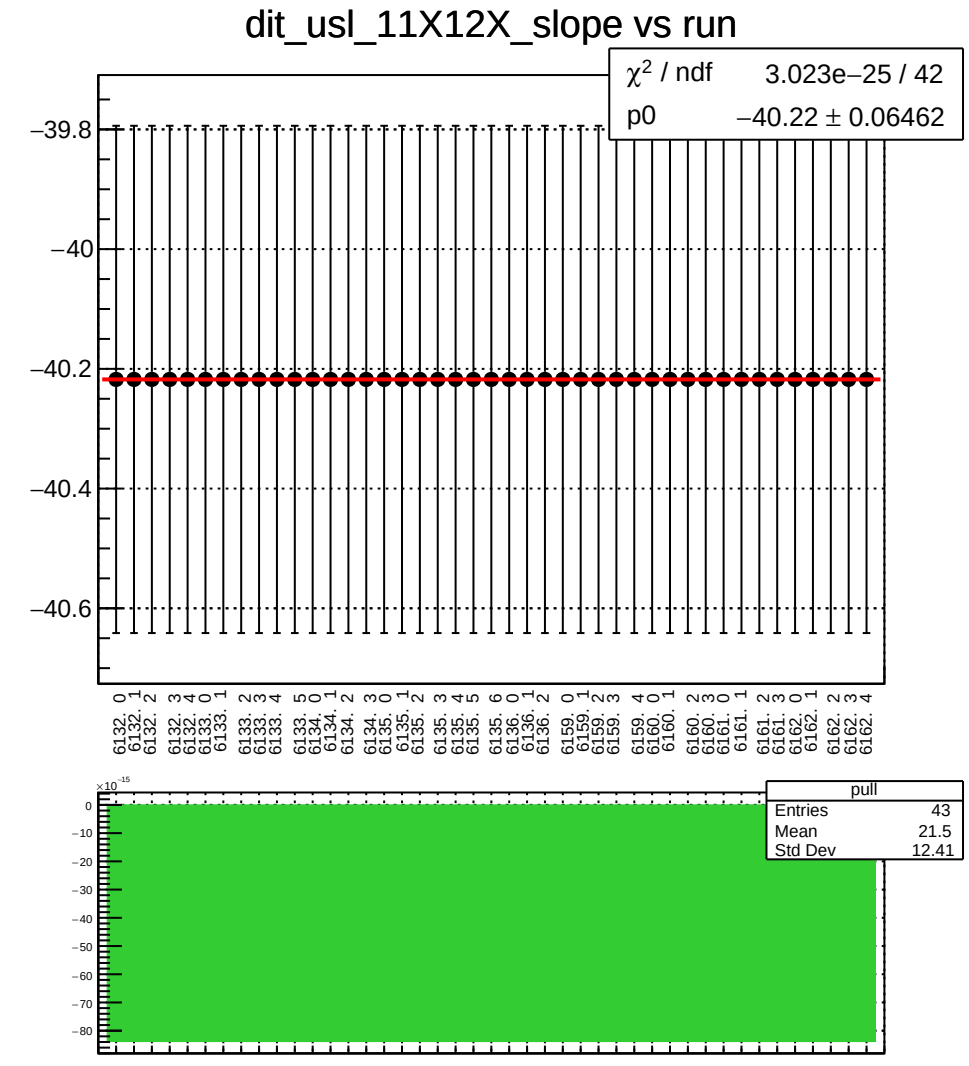

pull1D
Entries 43
Mean −0.02963
Std Dev 0.9379
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

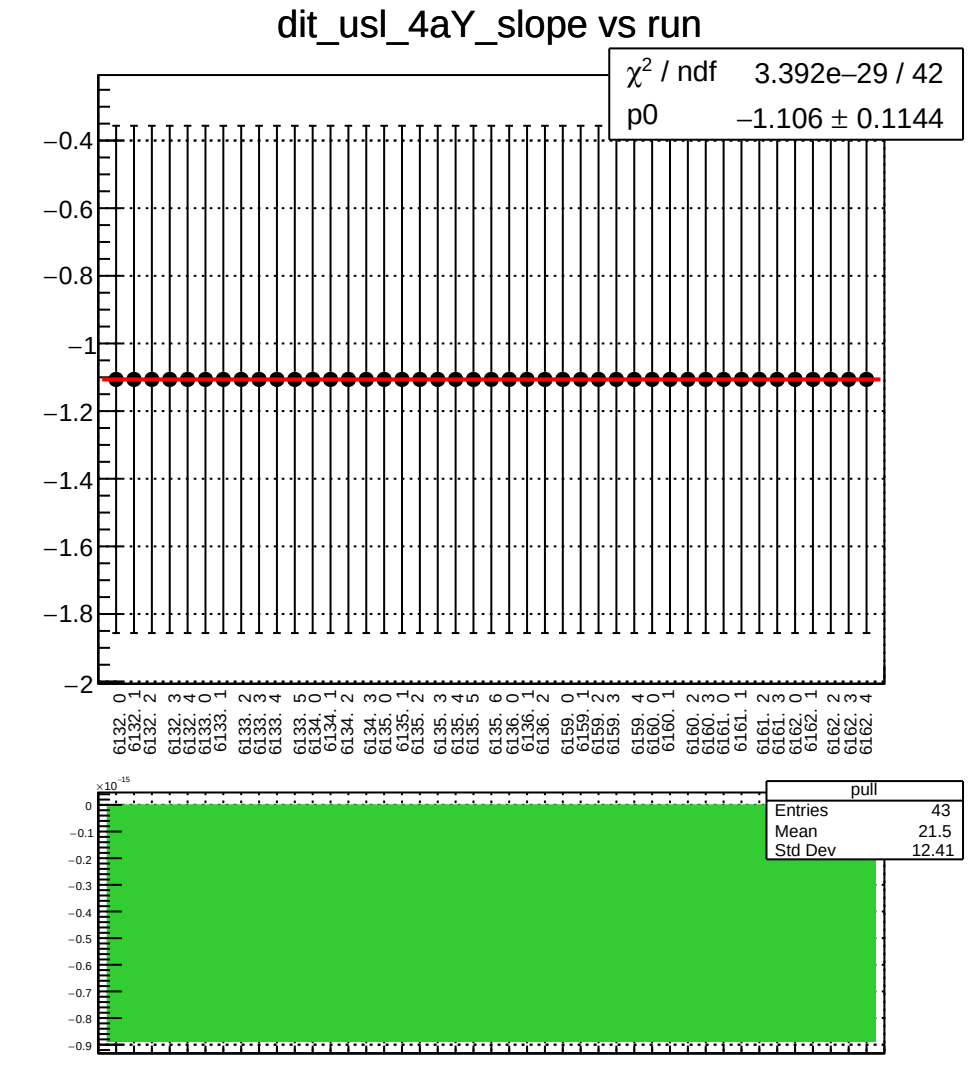

asym_sam_12345678_avg_rms vs run
χ² / ndf 7.412e+04 / 42
p0 1045 ± 1.169
2400
2200
2000
1800
1600
1400
1200
1000
800
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4

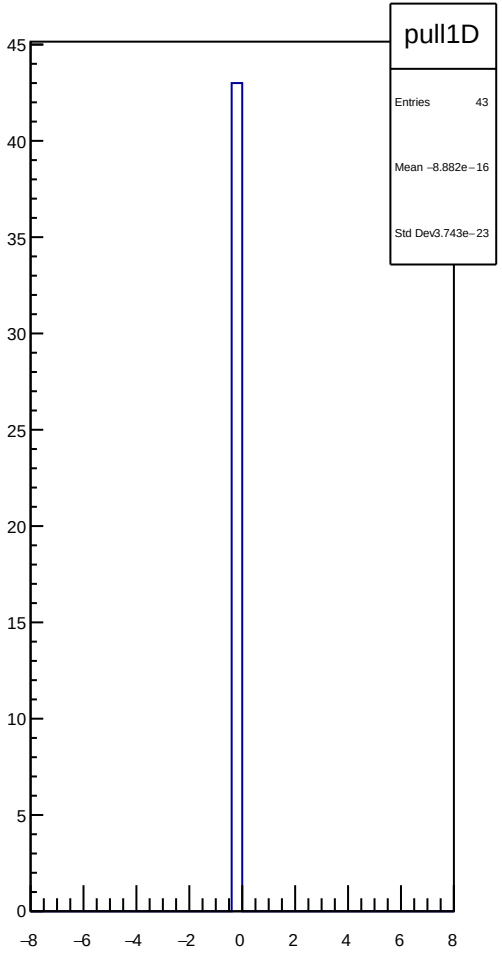

dit_usl_4aX_slope vs run
χ² / ndf 5.003e−26 / 42
p0 −76.38 ± 0.3177
−74
−74.5
−75
−75.5
−76
−76.5
−77
−77.5
−78
−78.5
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻�15
35
30
25
20
15
10
5
0
pull
Entries 43
Mean 21.5
Std Dev 12.41

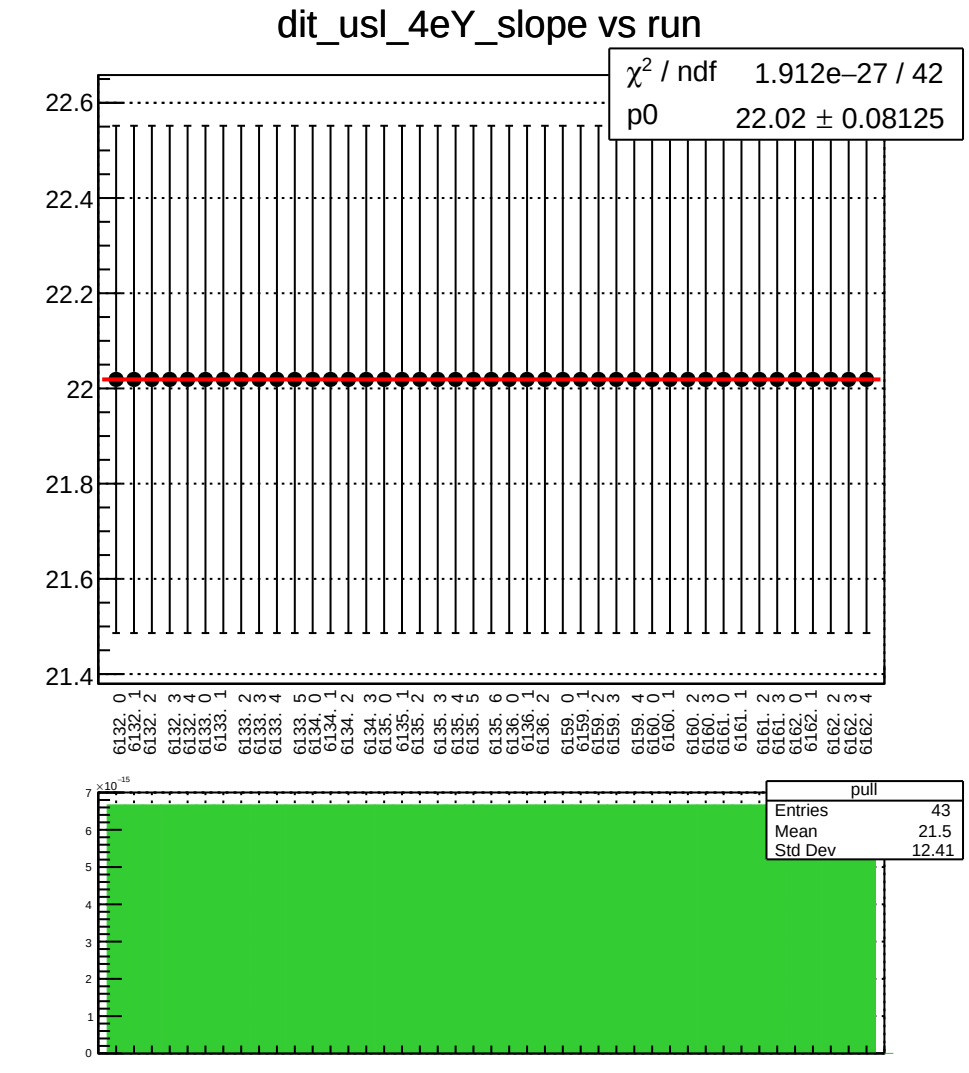

pull1D
Entries 43
Mean 3.411e−14
Std Dev1.339e−21
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

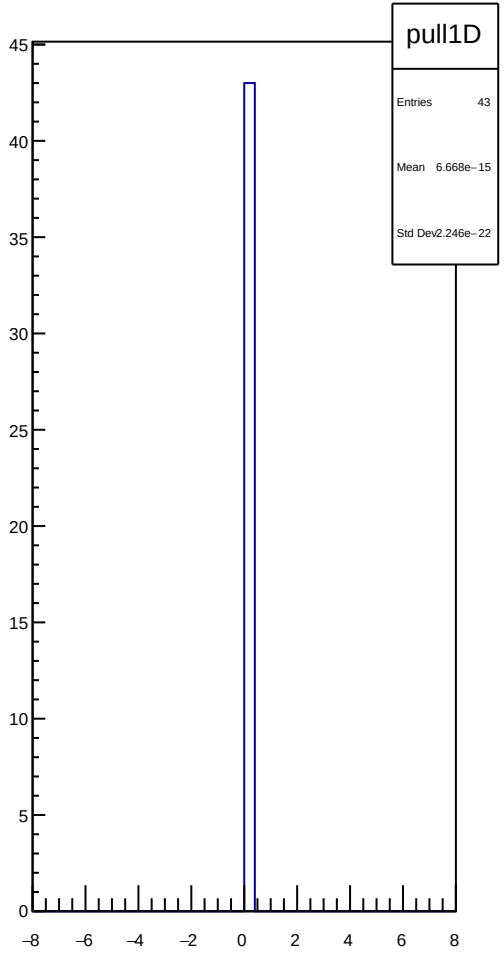

dit_usl_4eX_slope vs run
χ² / ndf 0 / 42
p0 45.89 ± 0.3601
48
47
46
45
44
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 43
Mean 0
Std Dev 0
45
40
35
30
25
20
15
10
5
0
–8
–6
–4
–2
0
2
4
6
8

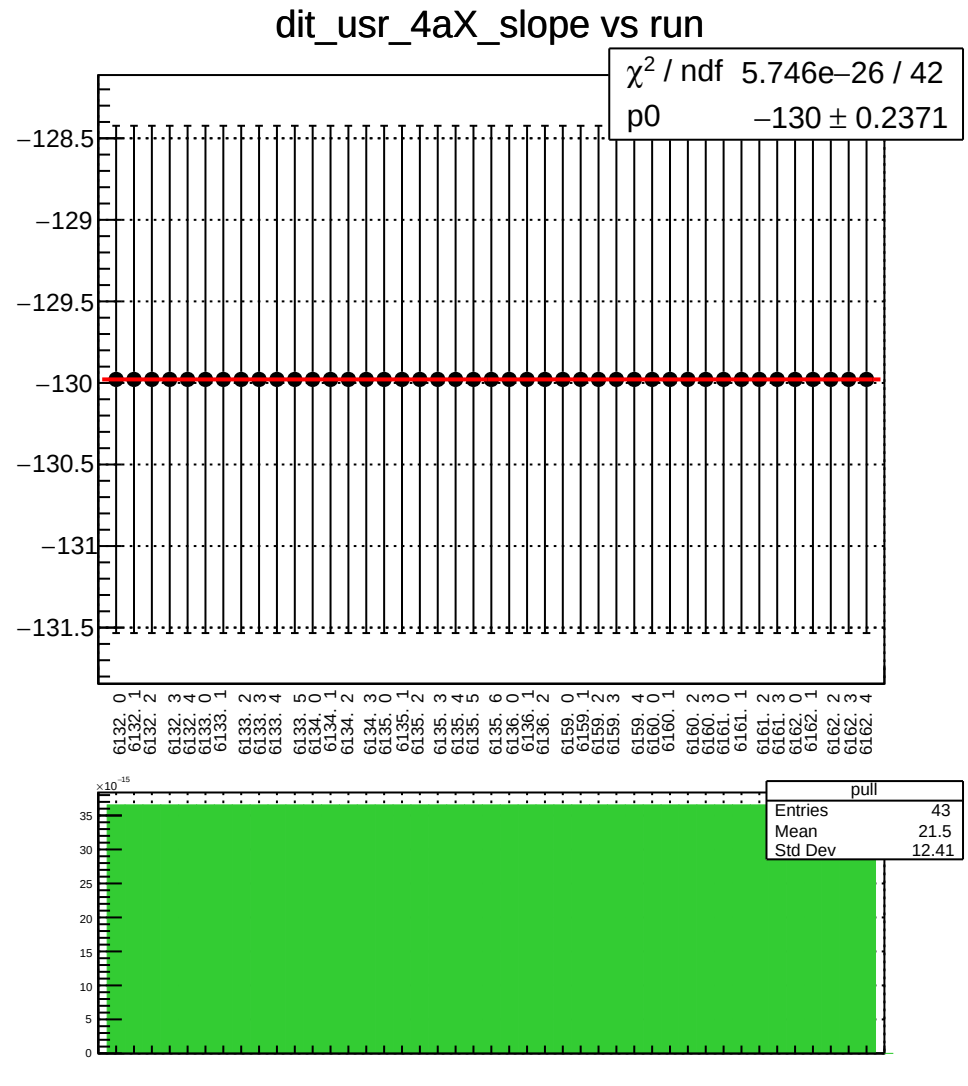

dit_usl_11X12X_slope vs run
χ² / ndf 3.023e−25 / 42
p0 −40.22 ± 0.06462
−39.8
−40
−40.2
−40.4
−40.6
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻�15
0
−10
−20
−30
−40
−50
−60
−70
−80
pull
Entries 43
Mean 21.5
Std Dev 12.41
pull1D
Entries 43
Mean −8.385e−14
Std Dev2.075e−21
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

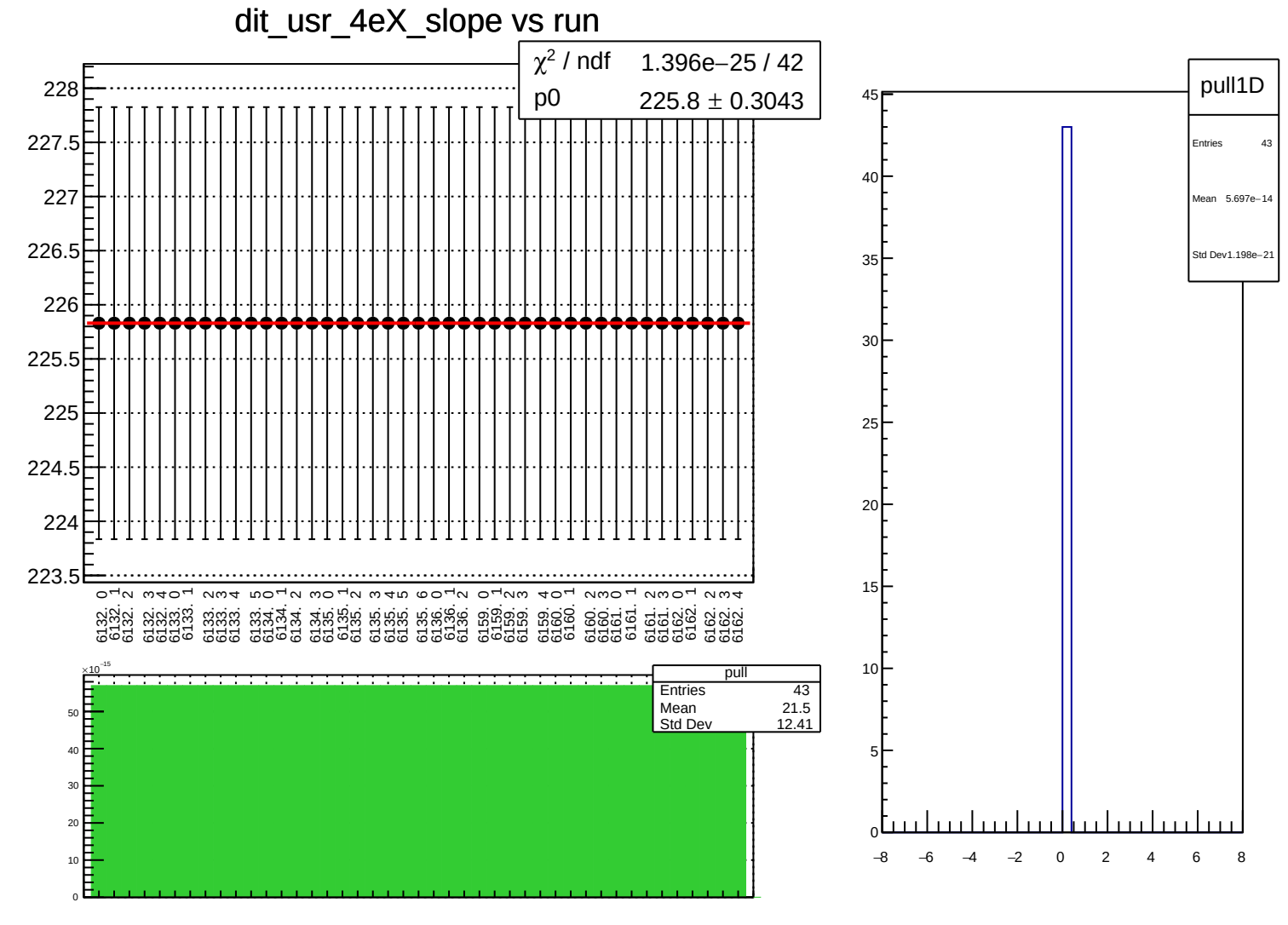

dit_usl_4aY_slope vs run
χ² / ndf 3.392e−29 / 42
p0 −1.106 ± 0.1144
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6
−1.8
−2
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻¹⁵
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
−0.8
−0.9
pull
Entries 43
Mean 21.5
Std Dev 12.41

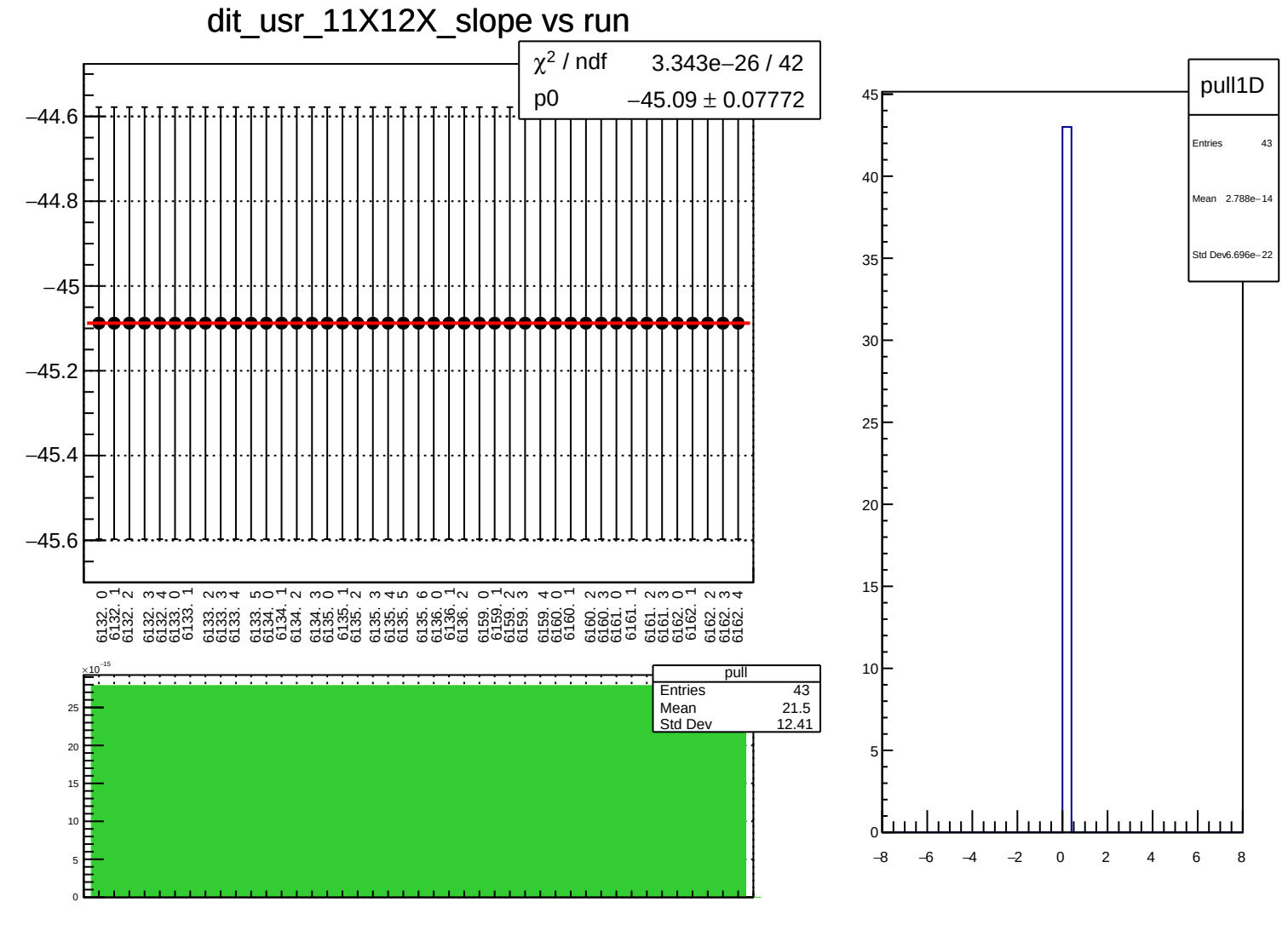

pull1D
Entries 43
Mean −8.882e−16
Std Dev 3.743e−23
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

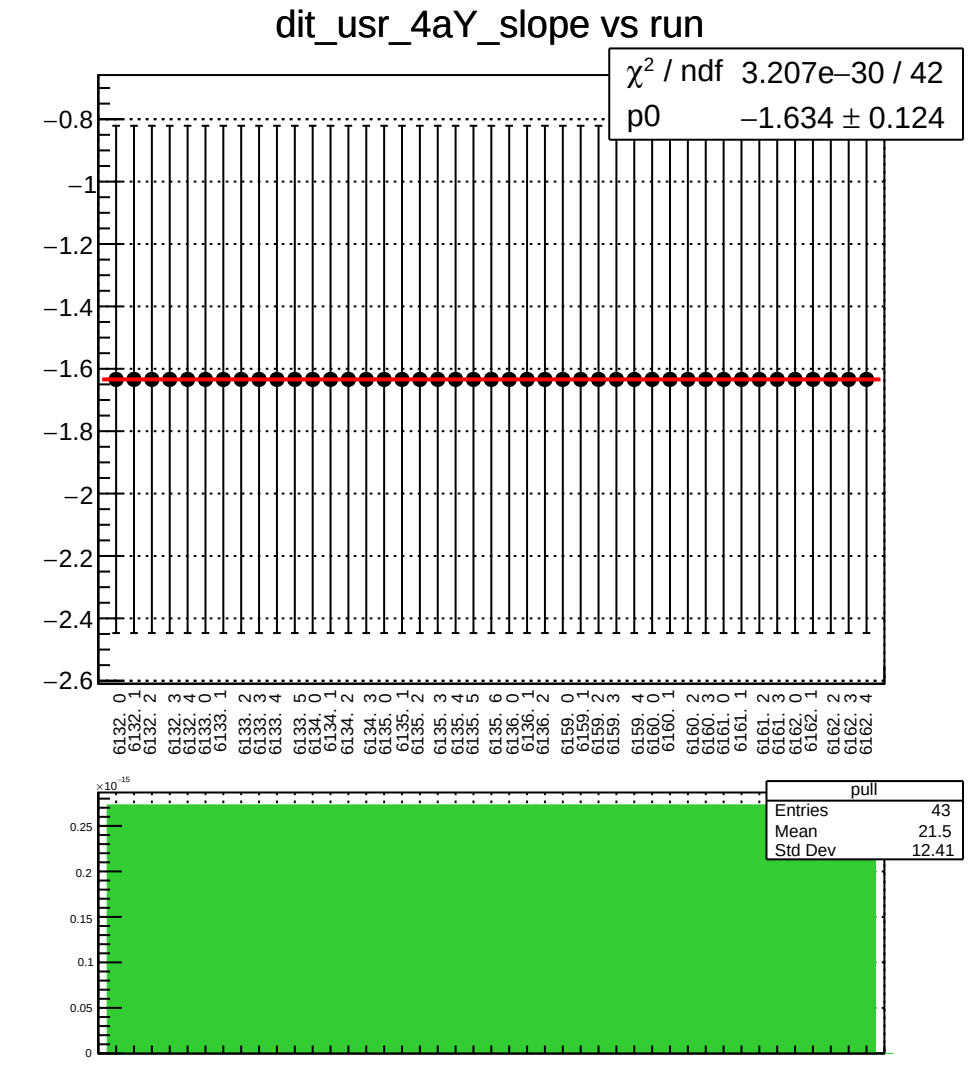

dit_usl_4eY_slope vs run
χ² / ndf 1.912e−27 / 42
p0 22.02 ± 0.08125
22.6
22.4
22.2
22
21.8
21.6
21.4
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻�15
7
6
5
4
3
2
1
0
pull
Entries 43
Mean 21.5
Std Dev 12.41

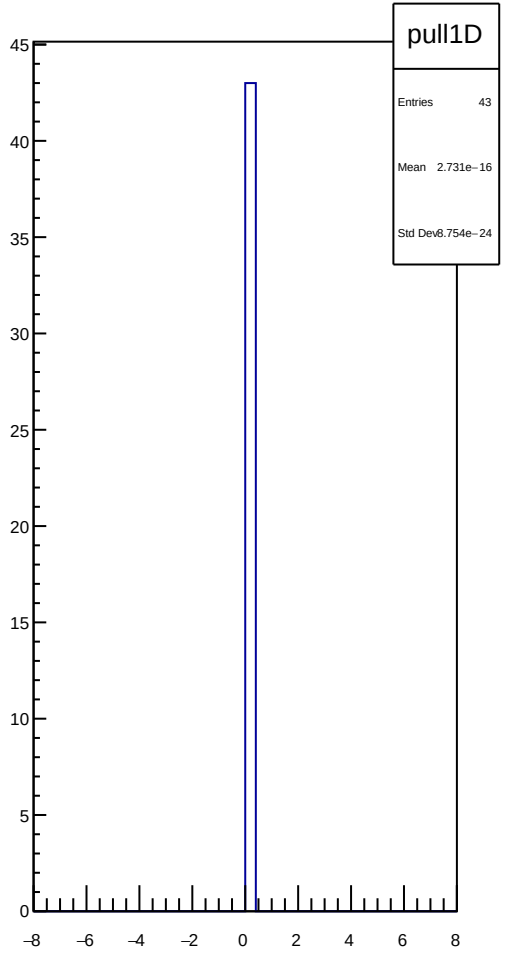

pull1D
Entries 43
Mean 6.668e−15
Std Dev 2.246e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

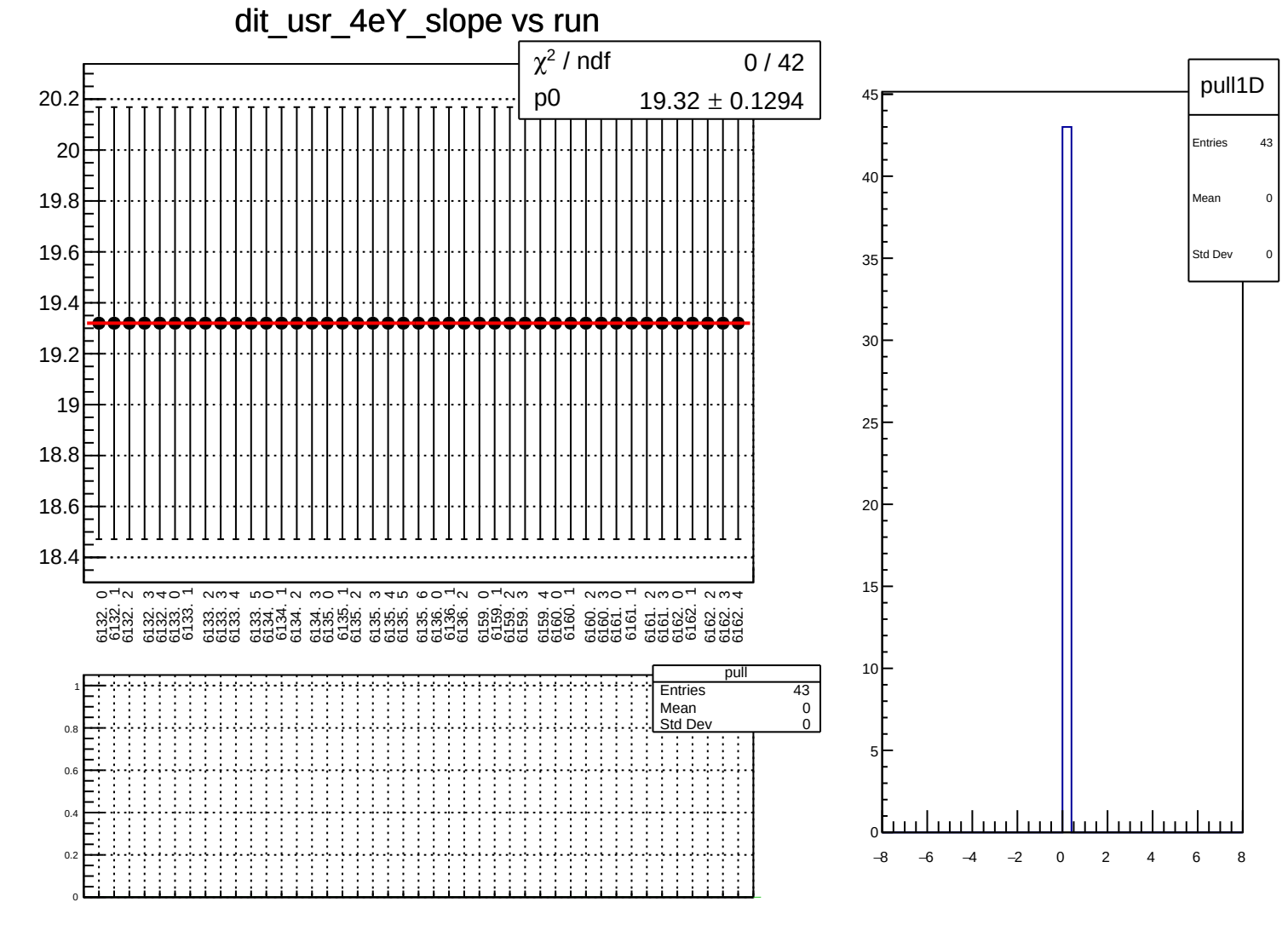

dit_usr_4aX_slope vs run
χ² / ndf 5.746e−26 / 42
p0 −130 ± 0.2371
−128.5
−129
−129.5
−130
−130.5
−131
−131.5
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻¹⁵
35
30
25
20
15
10
5
0
pull
Entries 43
Mean 21.5
Std Dev 12.41
pull1D
Entries 43
Mean 3.655e−14
Std Dev 0
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

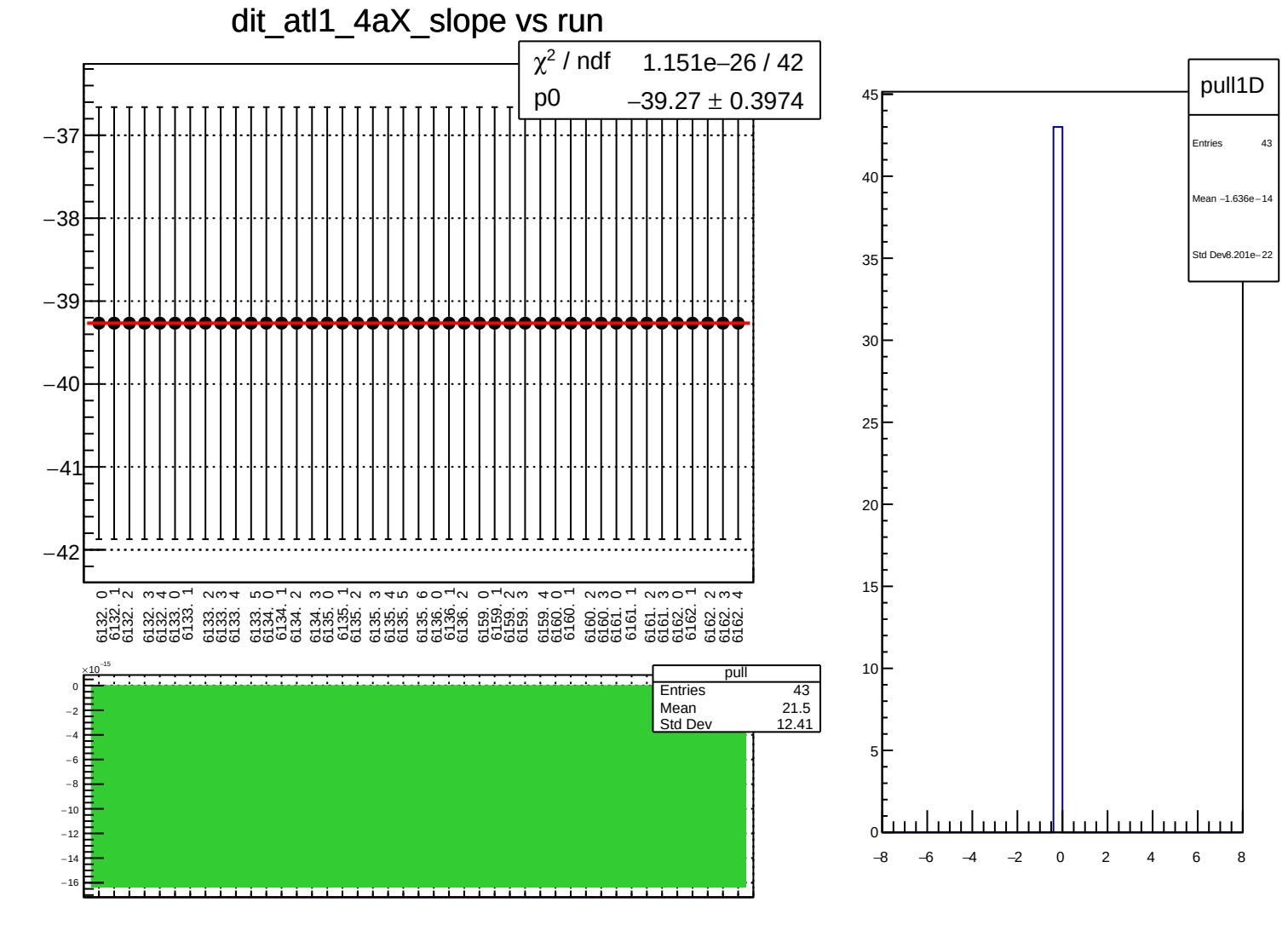

dit_usr_4eX_slope vs run
χ² / ndf 1.396e−25 / 42
p0 225.8 ± 0.3043
228
227.5
227
226.5
226
225.5
225
224.5
224
223.5
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻¹⁵
50
40
30
20
10
0
pull
Entries 43
Mean 21.5
Std Dev 12.41
pull1D
Entries 43
Mean 5.697e−14
Std Dev1.198e−21
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

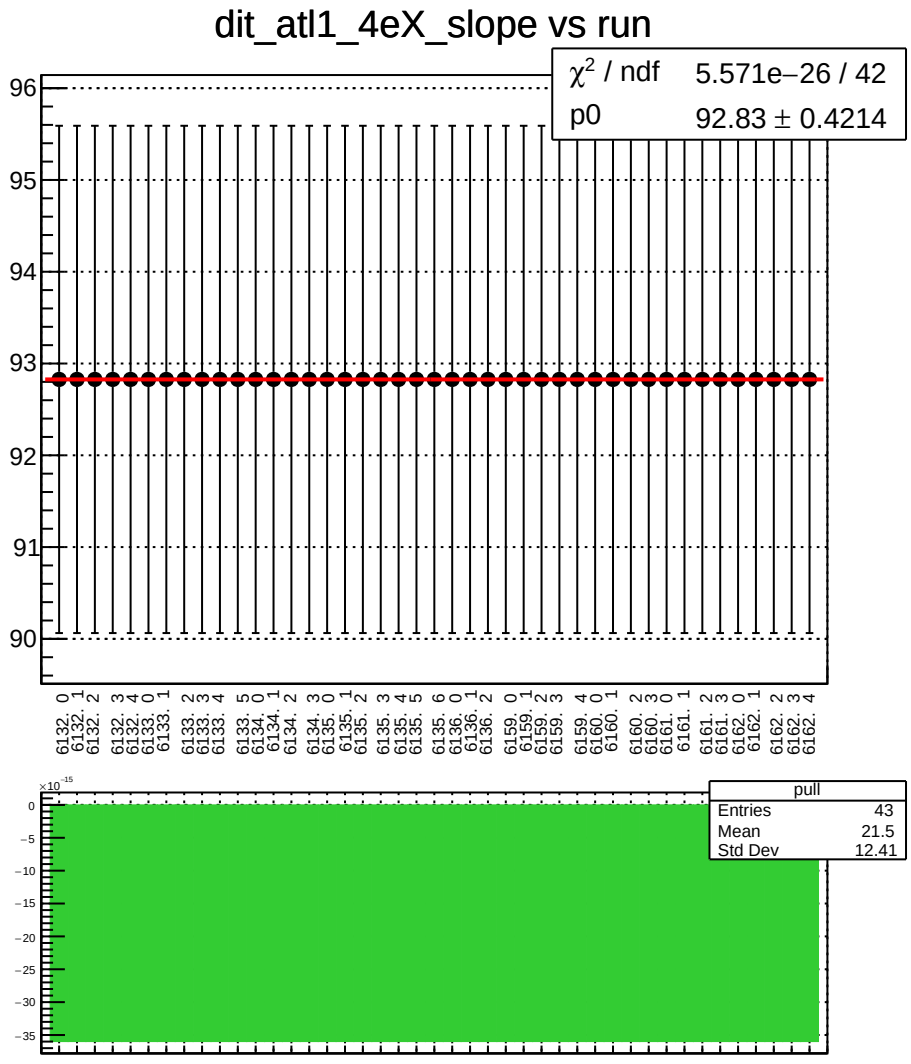

dit_usr_11X12X_slope vs run
χ² / ndf 3.343e−26 / 42
p0 −45.09 ± 0.07772
−44.6
−44.8
−45
−45.2
−45.4
−45.6
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻¹⁵
25
20
15
10
5
0
pull
Entries 43
Mean 21.5
Std Dev 12.41
pull1D
Entries 43
Mean 2.788e−14
Std Dev 6.696e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

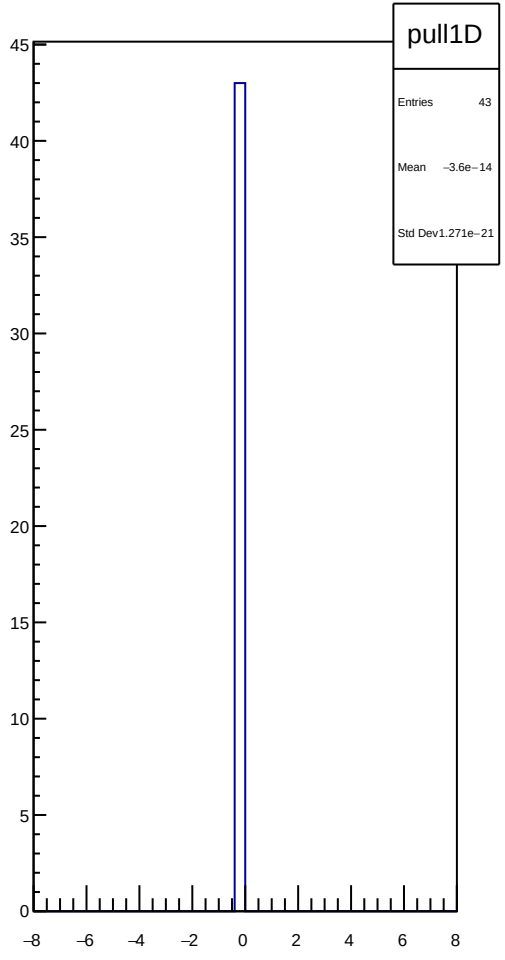

dit_usr_4aY_slope vs run
χ² / ndf 3.207e−30 / 42
p0 −1.634 ± 0.124
−0.8
−1
−1.2
−1.4
−1.6
−1.8
−2
−2.2
−2.4
−2.6
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻¹⁵
0.25
0.2
0.15
0.1
0.05
0
pull
Entries 43
Mean 21.5
Std Dev 12.41

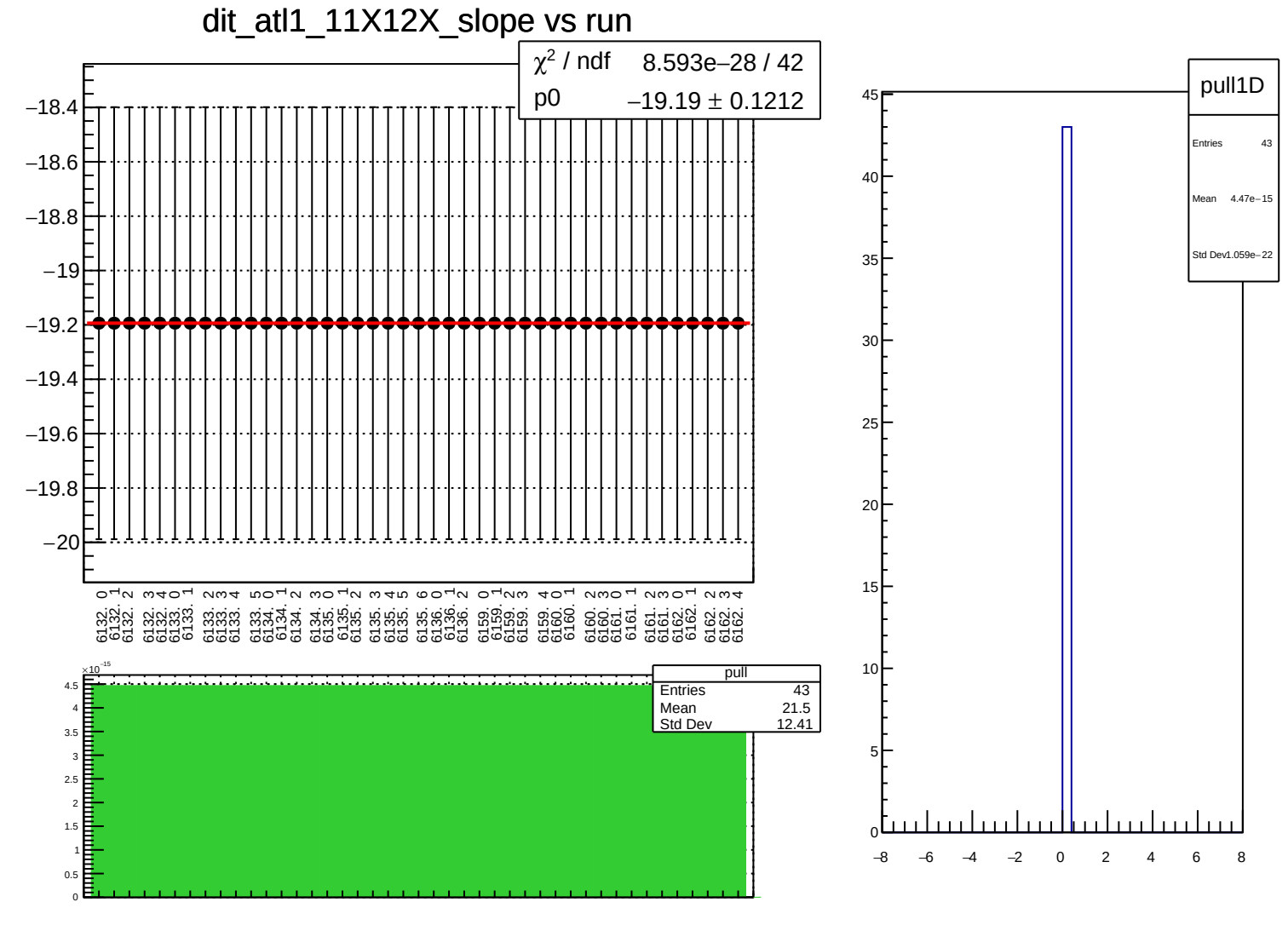

pull1D
Entries 43
Mean 2.731e−16
Std Dev 8.754e−24
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

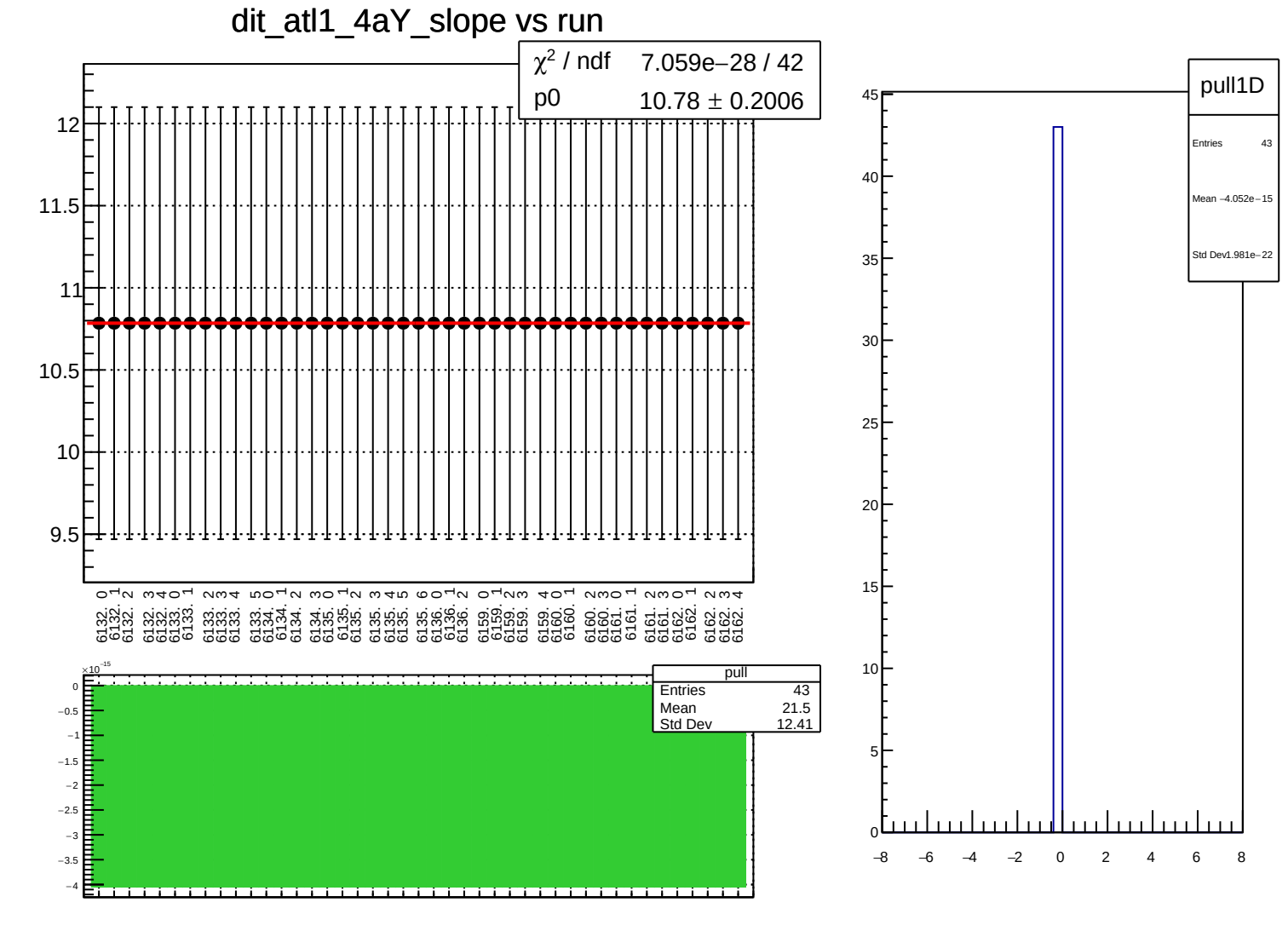

dit_usr_4eY_slope vs run
χ² / ndf 0 / 42
p0 19.32 ± 0.1294
20.2
20
19.8
19.6
19.4
19.2
19
18.8
18.6
18.4
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 43
Mean 0
Std Dev 0
45
40
35
30
25
20
15
10
5
0
–8
–6
–4
–2
0
2
4
6
8

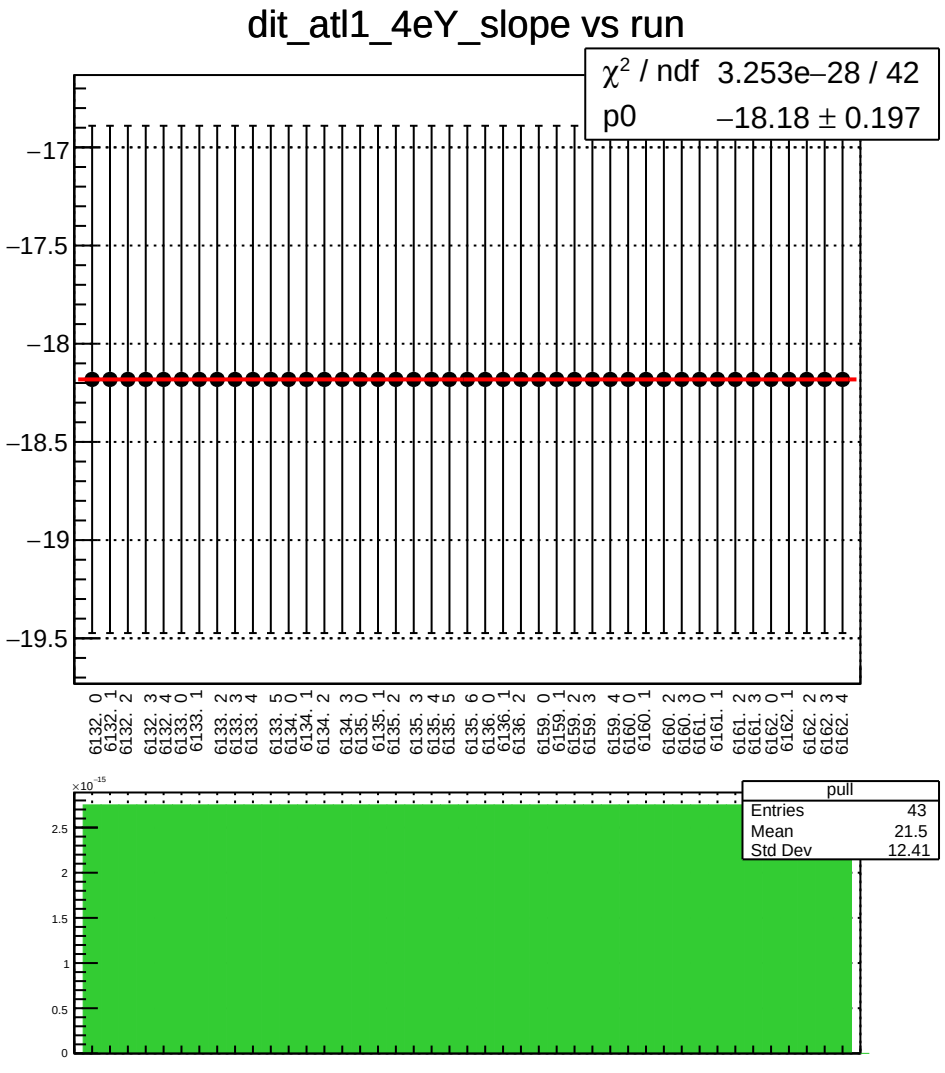

dit_atl1_4aX_slope vs run
χ² / ndf 1.151e−26 / 42
p0 −39.27 ± 0.3974
−37
−38
−39
−40
−41
−42
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
pull
Entries 43
Mean 21.5
Std Dev 12.41
pull1D
Entries 43
Mean −1.636e−14
Std Dev 8.201e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

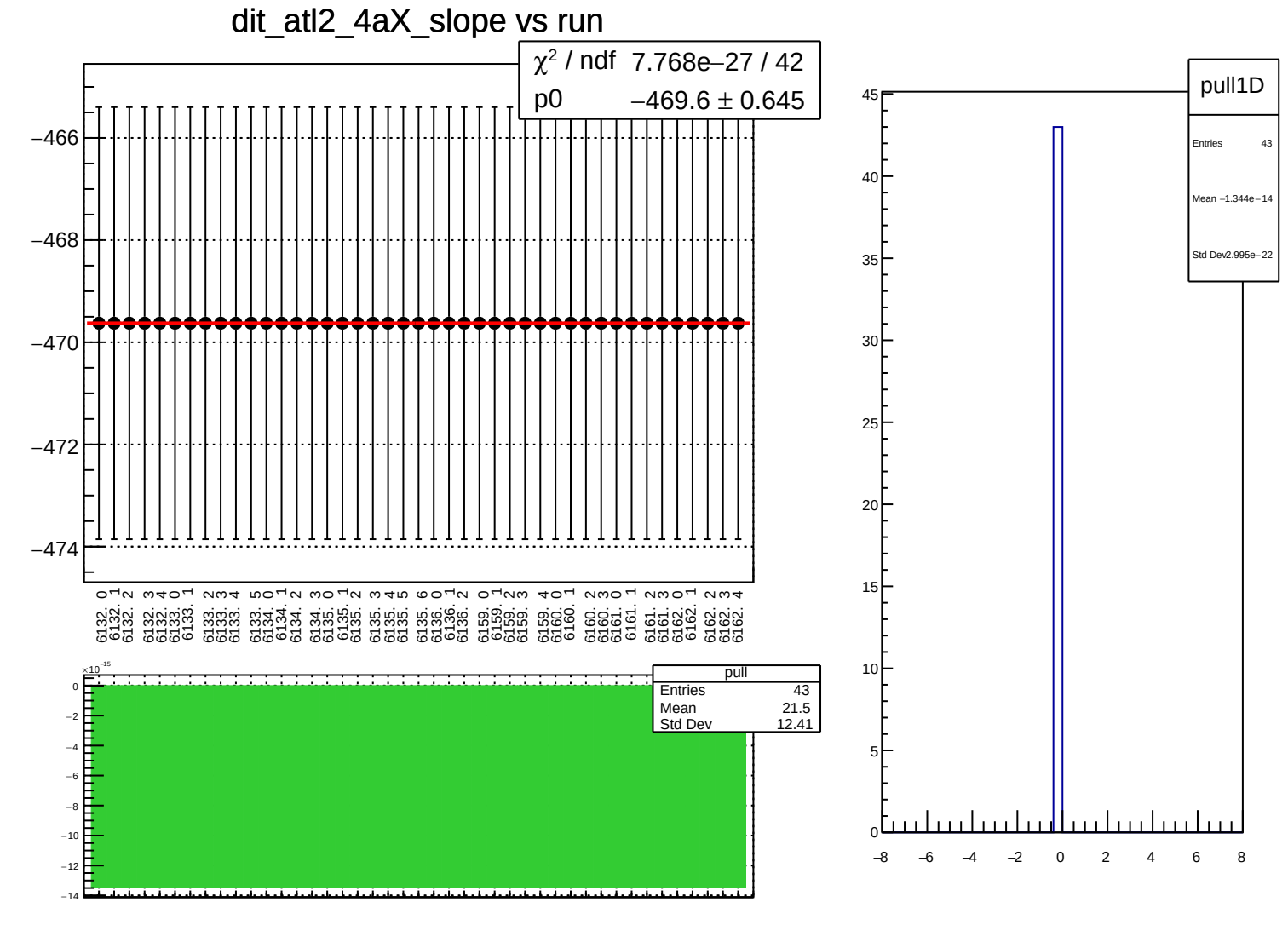

dit_atl1_4eX_slope vs run
χ^2 / ndf 5.571e−26 / 42
p0 92.83 ± 0.4214
96
95
94
93
92
91
90
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻�15
0
−5
−10
−15
−20
−25
−30
−35
pull
Entries 43
Mean 21.5
Std Dev 12.41

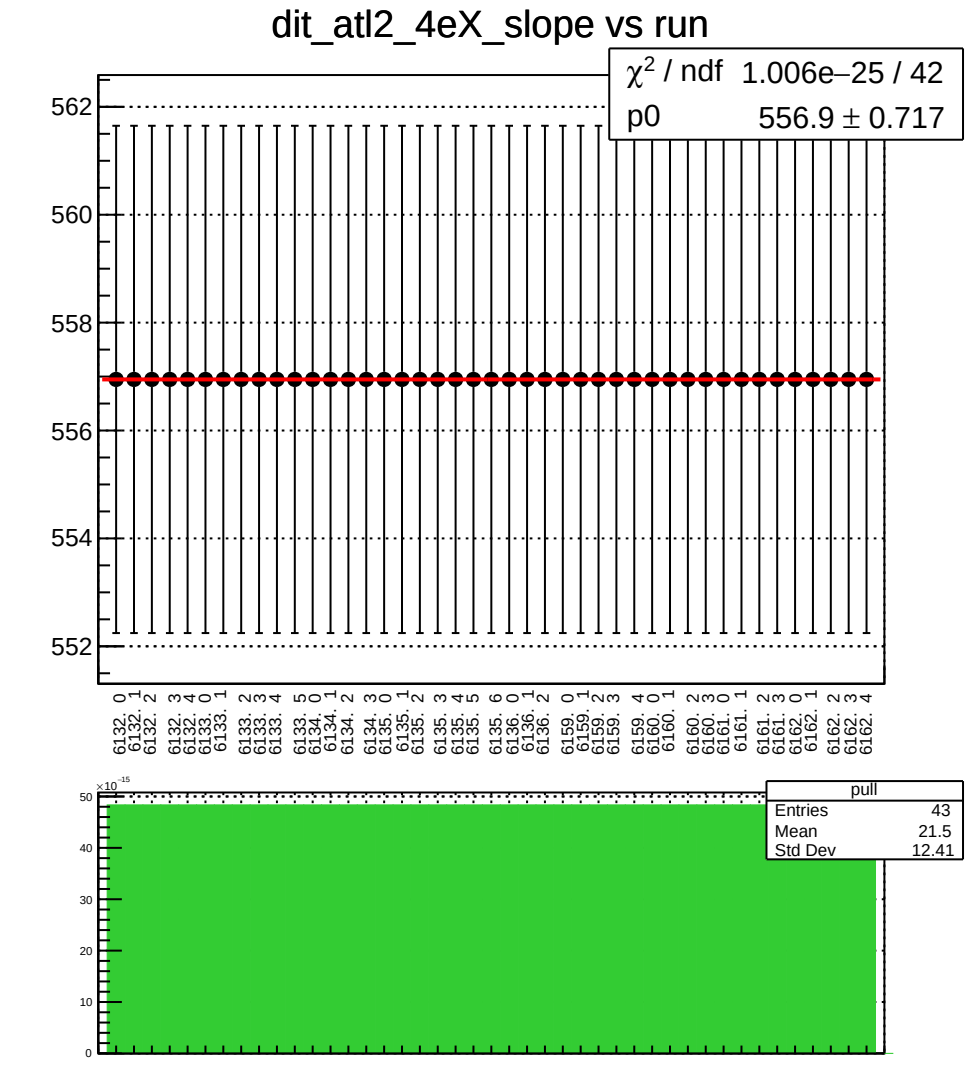

pull1D
Entries 43
Mean −3.6e−14
Std Dev1.271e−21
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

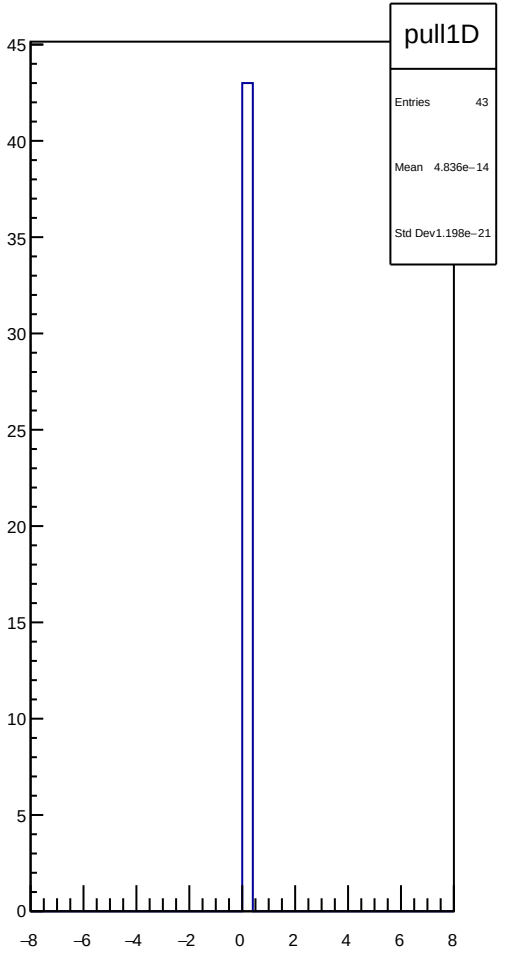

dit_atl1_11X12X_slope vs run
χ² / ndf 8.593e−28 / 42
p0 −19.19 ± 0.1212
−18.4
−18.6
−18.8
−19
−19.2
−19.4
−19.6
−19.8
−20
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻�15
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
pull
Entries 43
Mean 21.5
Std Dev 12.41
pull1D
Entries 43
Mean 4.47e−15
Std Dev1.059e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

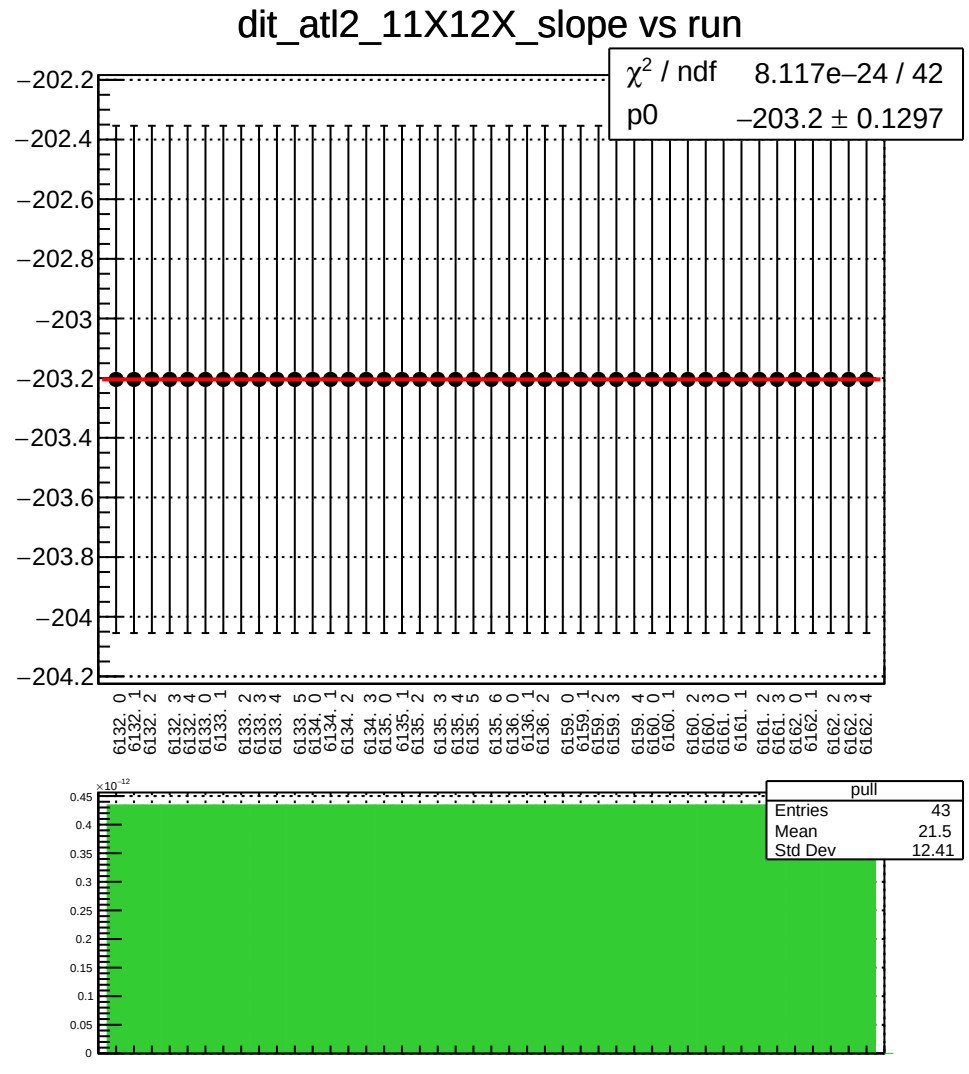

dit_atl1_4aY_slope vs run
χ² / ndf 7.059e−28 / 42
p0 10.78 ± 0.2006
12
11.5
11
10.5
10
9.5
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
−4
pull
Entries 43
Mean 21.5
Std Dev 12.41
pull1D
Entries 43
Mean −4.052e−15
Std Dev1.981e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

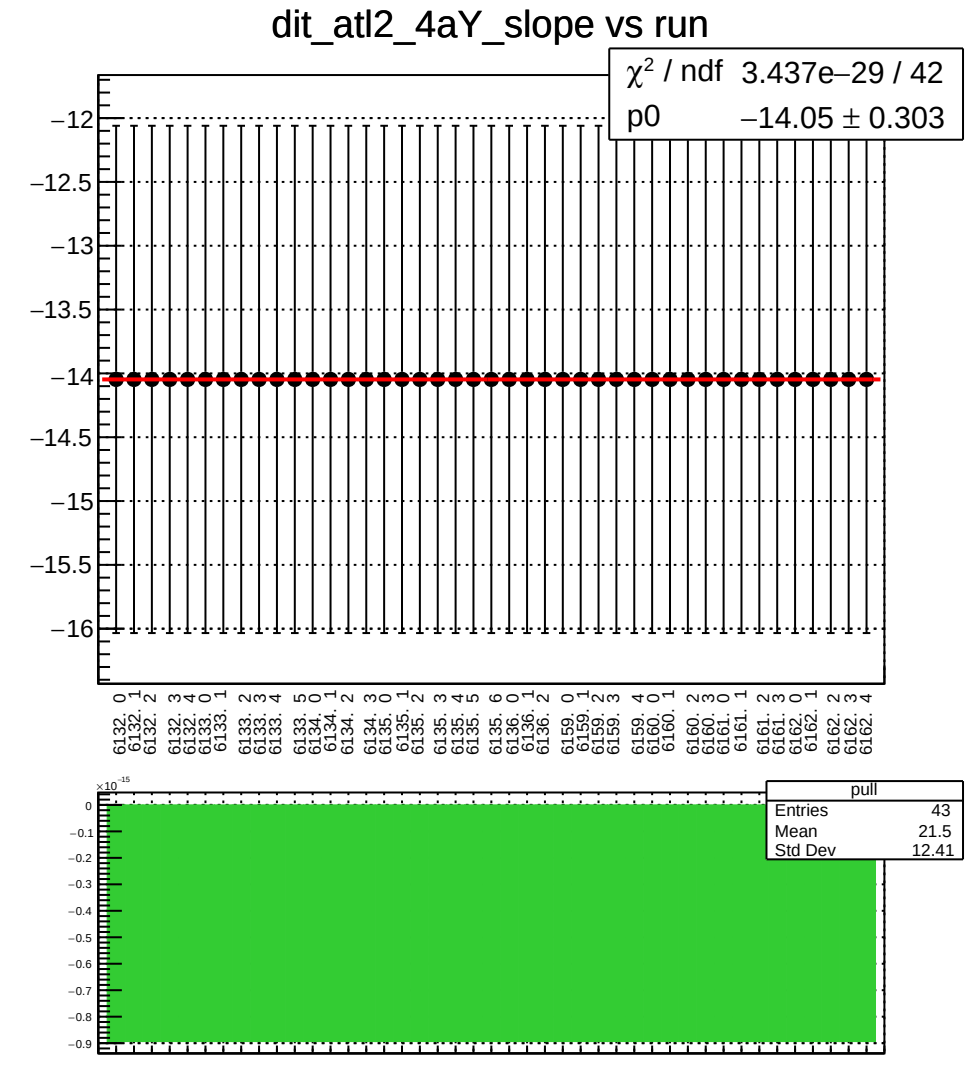

dit_atl1_4eY_slope vs run
χ² / ndf 3.253e−28 / 42
p0 −18.18 ± 0.197
−17
−17.5
−18
−18.5
−19
−19.5
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻�15
2.5
2
1.5
1
0.5
0
pull
Entries 43
Mean 21.5
Std Dev 12.41
pull1D
Entries 43
Mean 2.751e−15
Std Dev 0
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

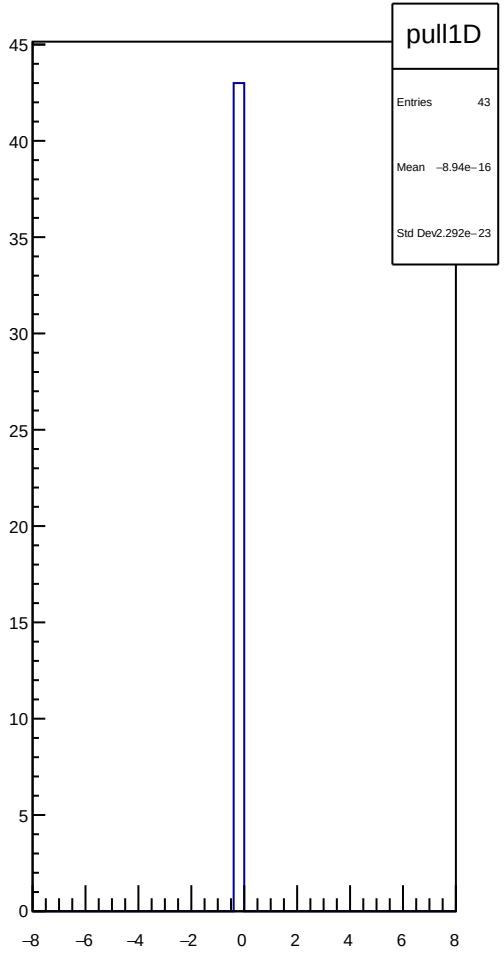

dit_atl2_4aX_slope vs run
χ² / ndf 7.768e−27 / 42
p0 −469.6 ± 0.645
−466
−468
−470
−472
−474
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
pull
Entries 43
Mean 21.5
Std Dev 12.41
pull1D
Entries 43
Mean −1.344e−14
Std Dev 2.995e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

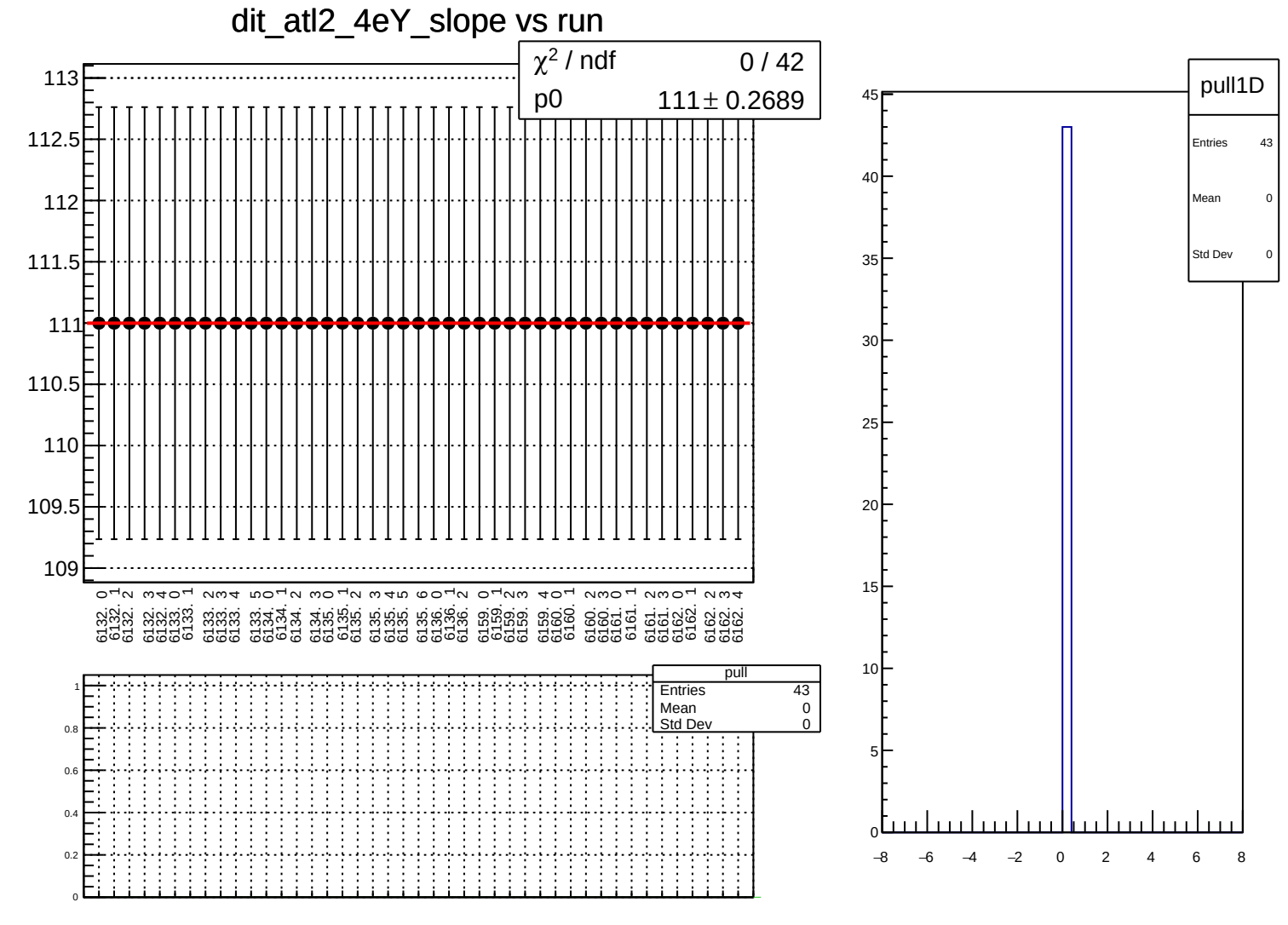

dit_atl2_4eX_slope vs run
χ² / ndf 1.006e−25 / 42
p0 556.9 ± 0.717
562
560
558
556
554
552
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻�15
50
40
30
20
10
0
pull
Entries 43
Mean 21.5
Std Dev 12.41

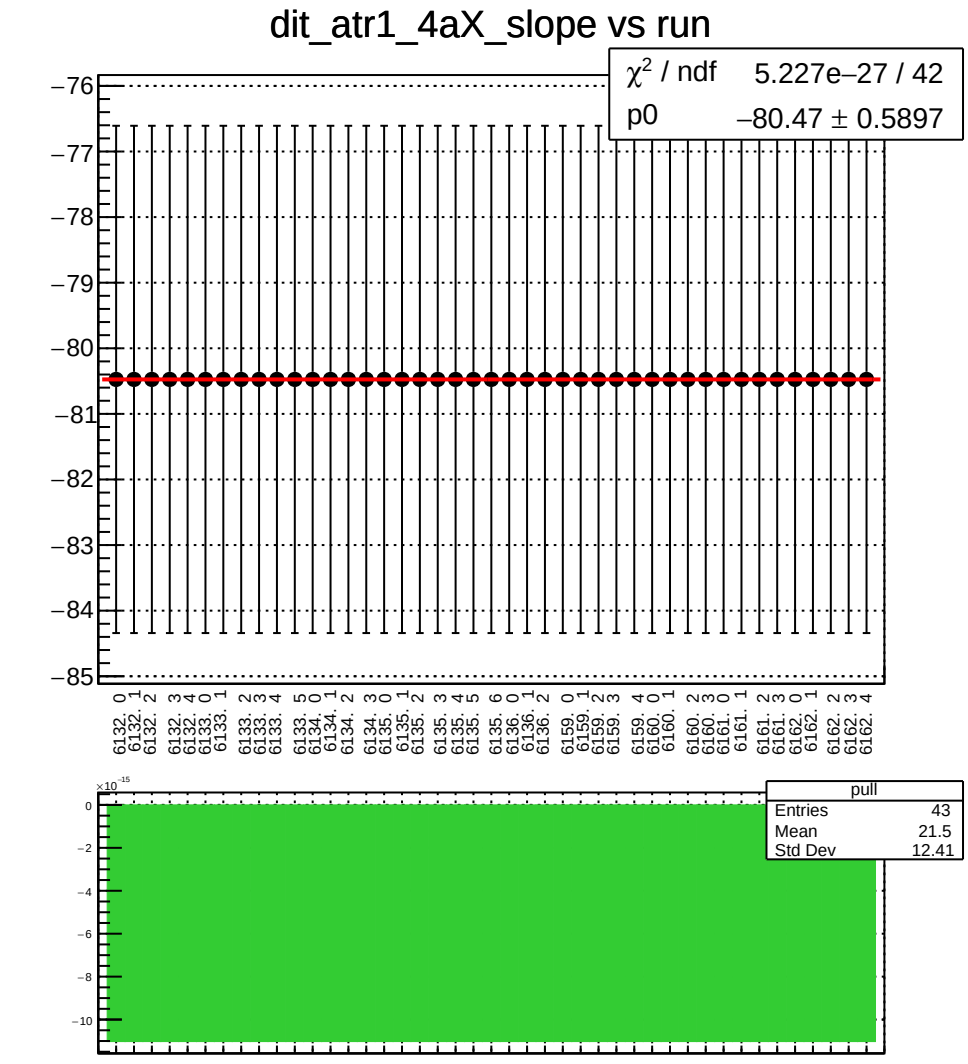

pull1D
Entries 43
Mean 4.836e−14
Std Dev1.198e−21
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

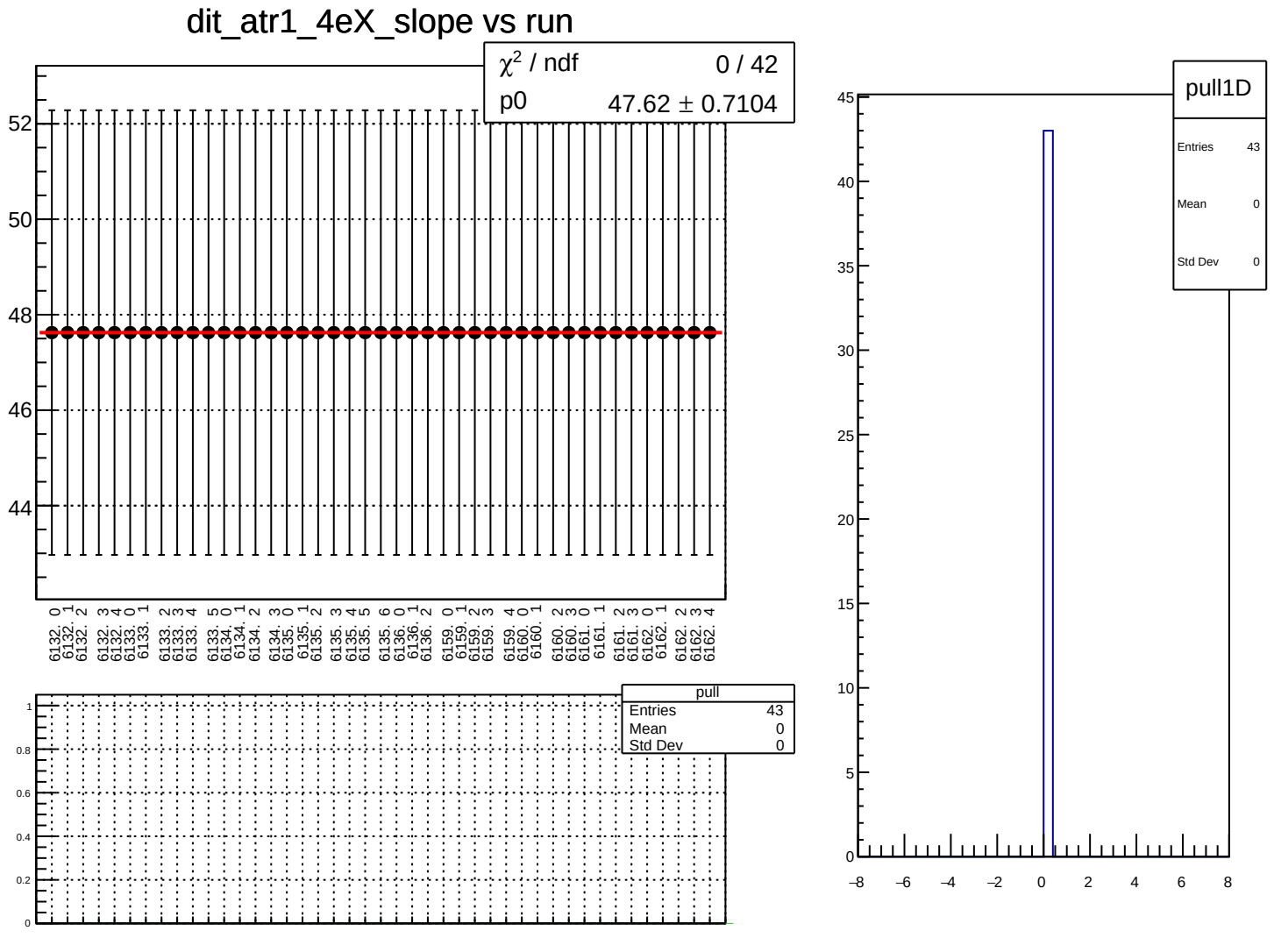

dit_atl2_11X12X_slope vs run
χ² / ndf 8.117e−24 / 42
p0 −203.2 ± 0.1297
−202.2
−202.4
−202.6
−202.8
−203
−203.2
−203.4
−203.6
−203.8
−204
−204.2
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻¹²
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
pull
Entries 43
Mean 21.5
Std Dev 12.41
pull1D
Entries 43
Mean 4.345e−13
Std Dev 2.247e−20
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

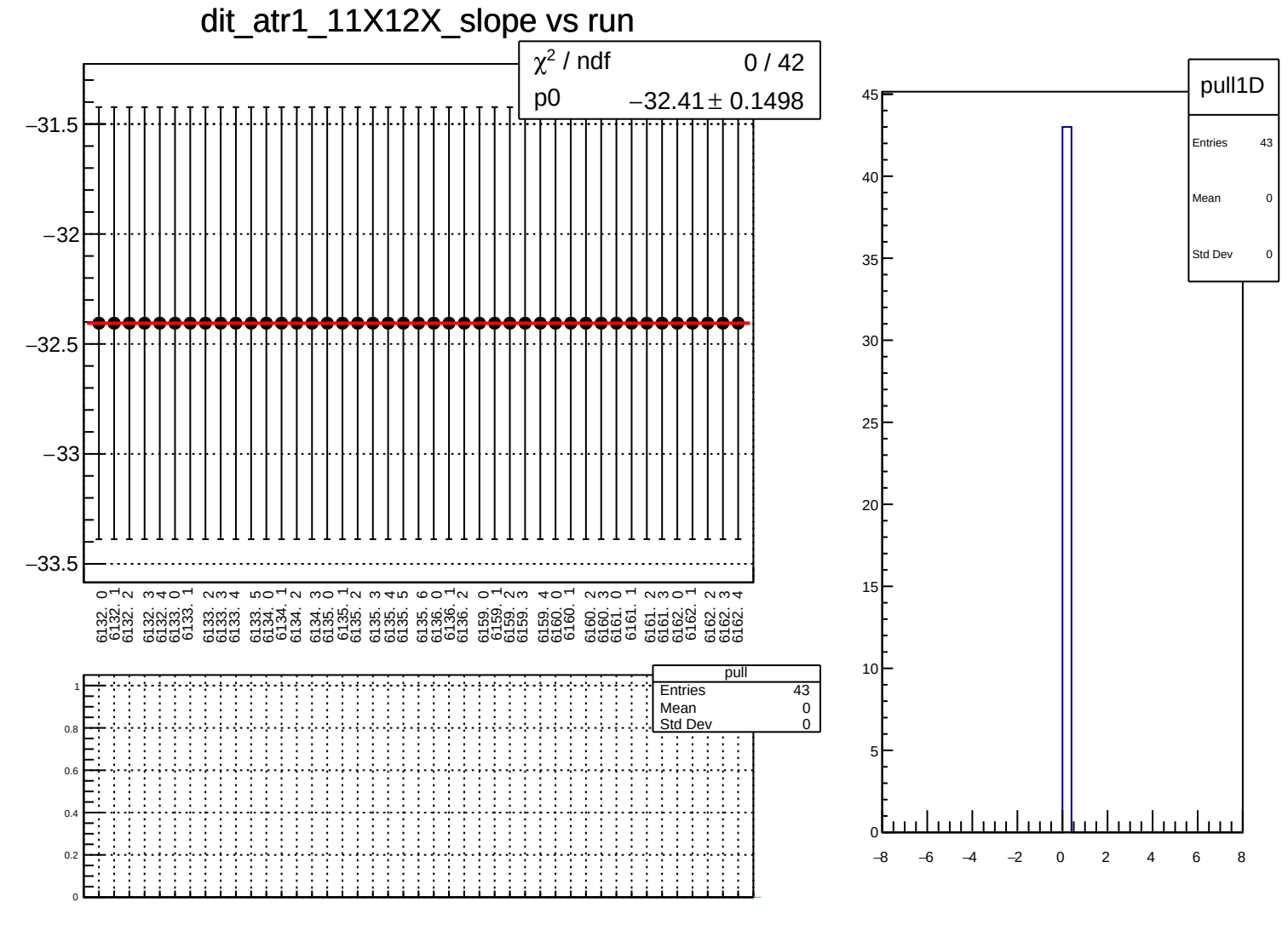

dit_atl2_4aY_slope vs run
χ² / ndf 3.437e−29 / 42
p0 −14.05 ± 0.303
−12
−12.5
−13
−13.5
−14
−14.5
−15
−15.5
−16
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻¹⁵
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
−0.8
−0.9
pull
Entries 43
Mean 21.5
Std Dev 12.41

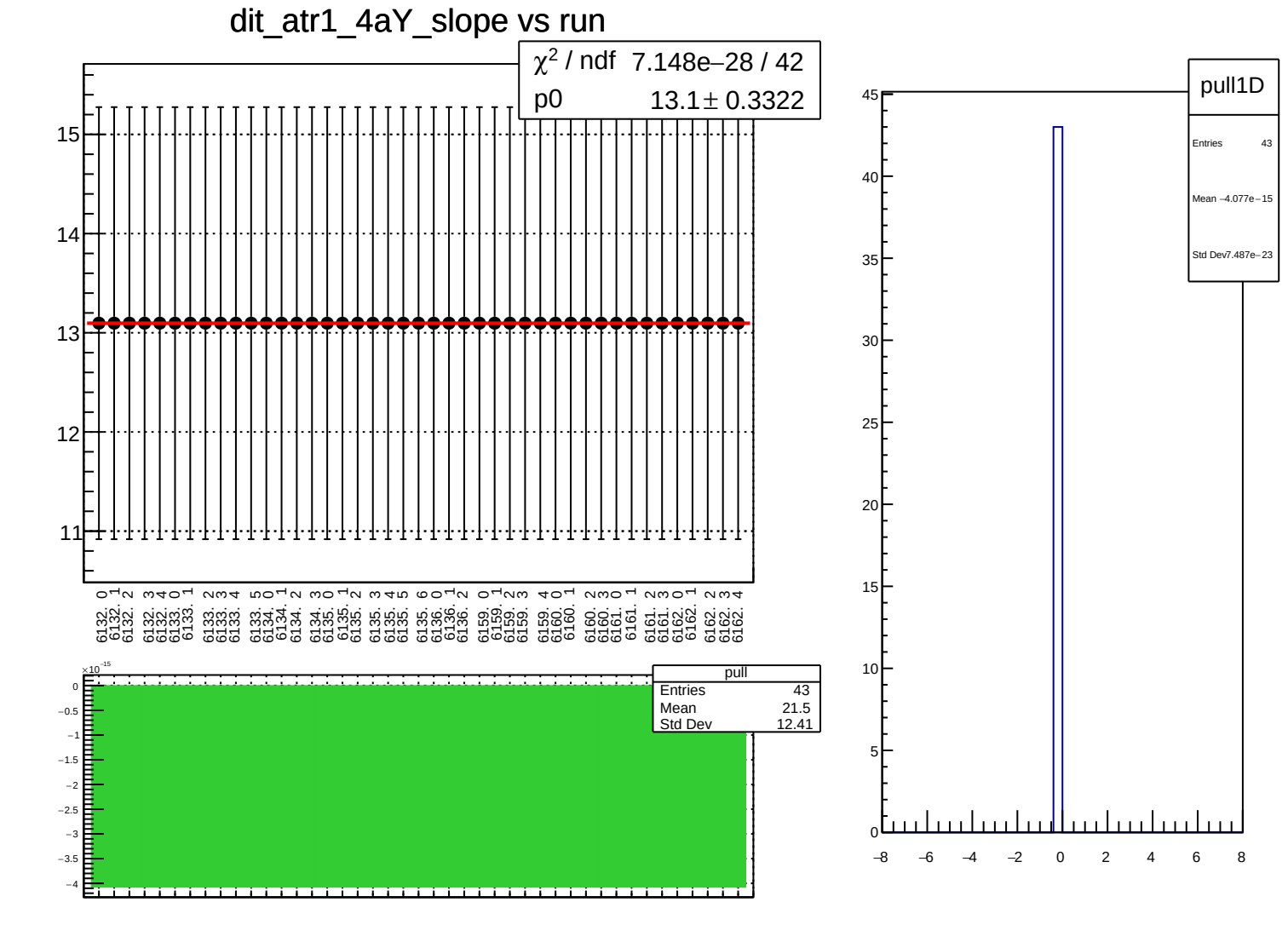

pull1D
Entries 43
Mean −8.94e−16
Std Dev 2.292e−23
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

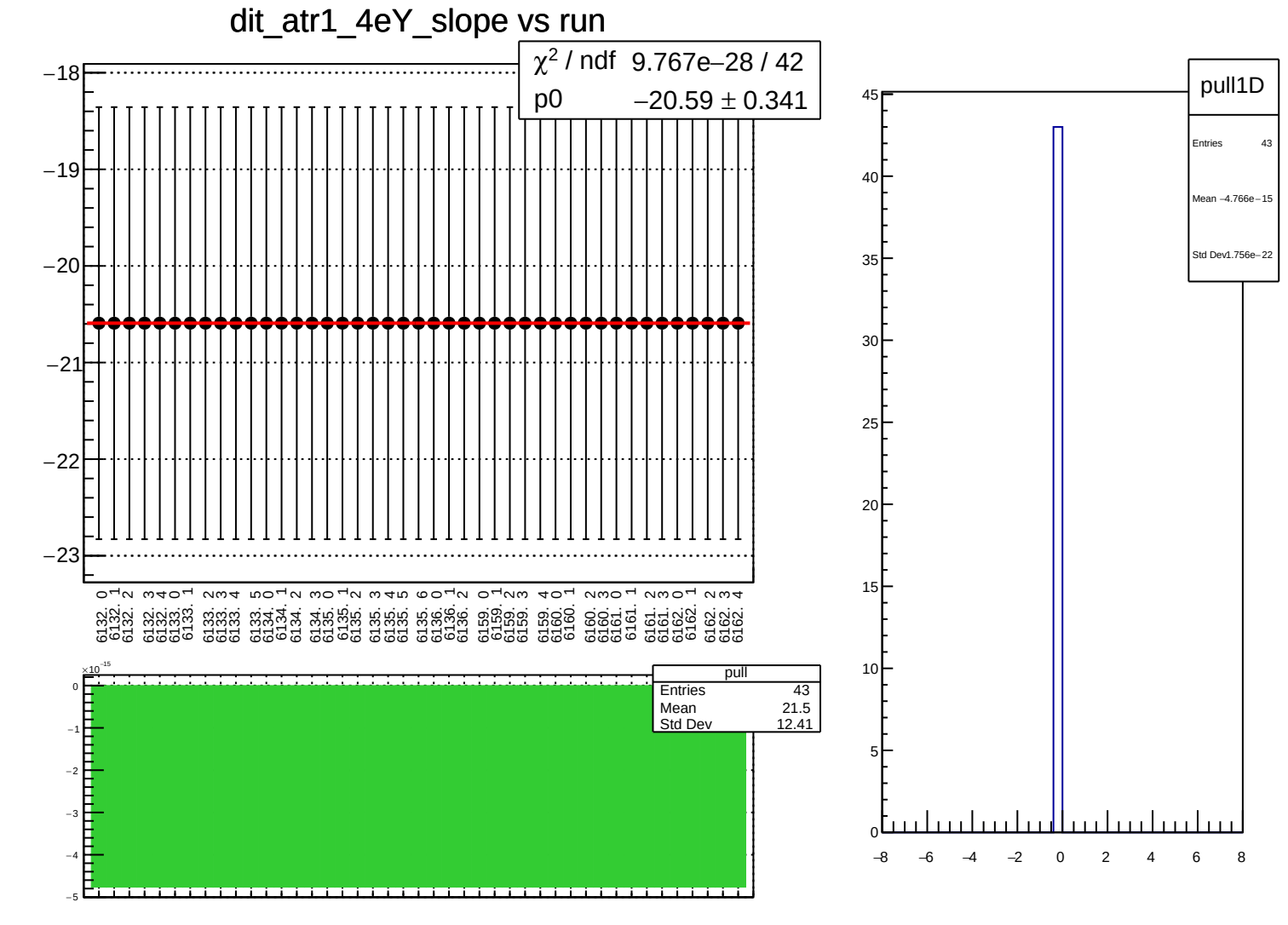

dit_atl2_4eY_slope vs run
χ^2 / ndf 0 / 42
p0 111 ± 0.2689
113
112.5
112
111.5
111
110.5
110
109.5
109
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 43
Mean 0
Std Dev 0
45
40
35
30
25
20
15
10
5
0
–8
–6
–4
–2
0
2
4
6
8

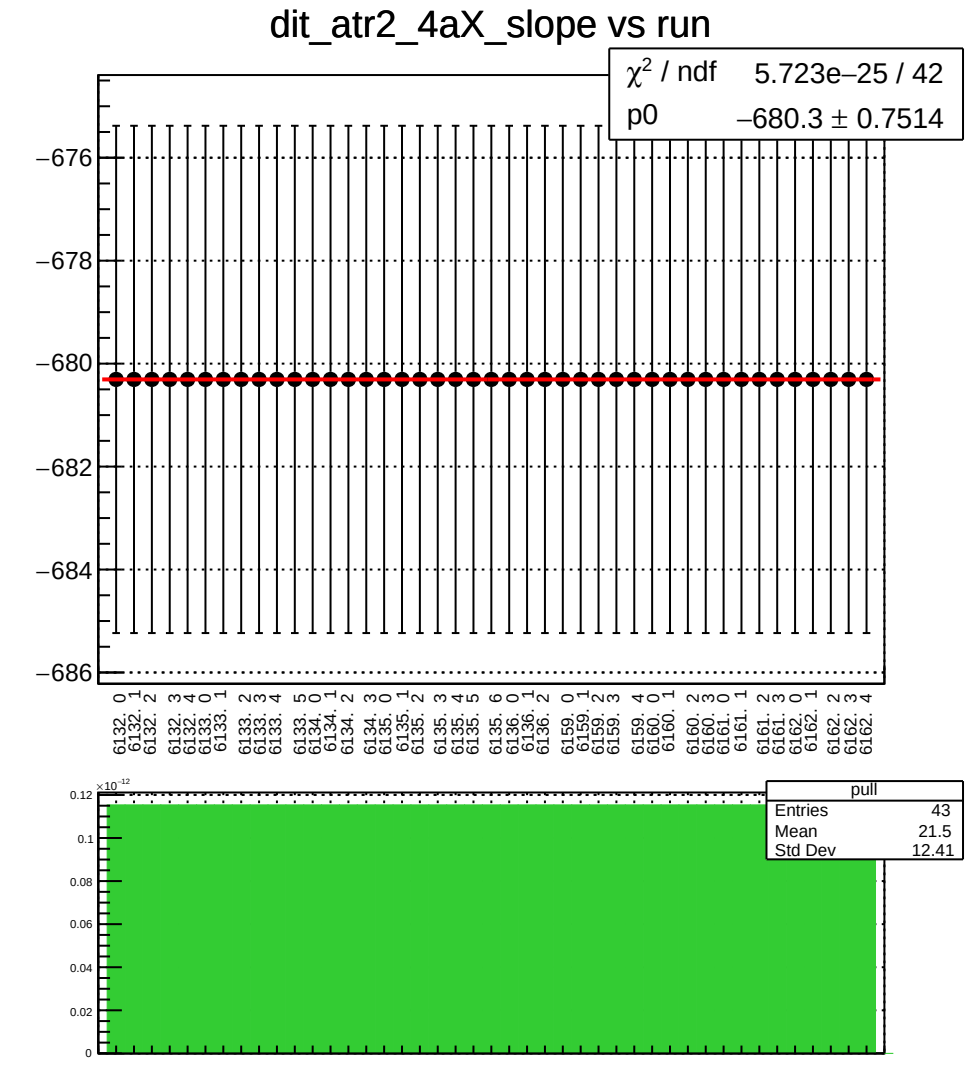

dit_atr1_4aX_slope vs run
χ² / ndf 5.227e−27 / 42
p0 −80.47 ± 0.5897
−76
−77
−78
−79
−80
−81
−82
−83
−84
−85
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻�15
0
−2
−4
−6
−8
−10
pull
Entries 43
Mean 21.5
Std Dev 12.41
pull1D
Entries 43
Mean −1.102e−14
Std Dev4.492e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

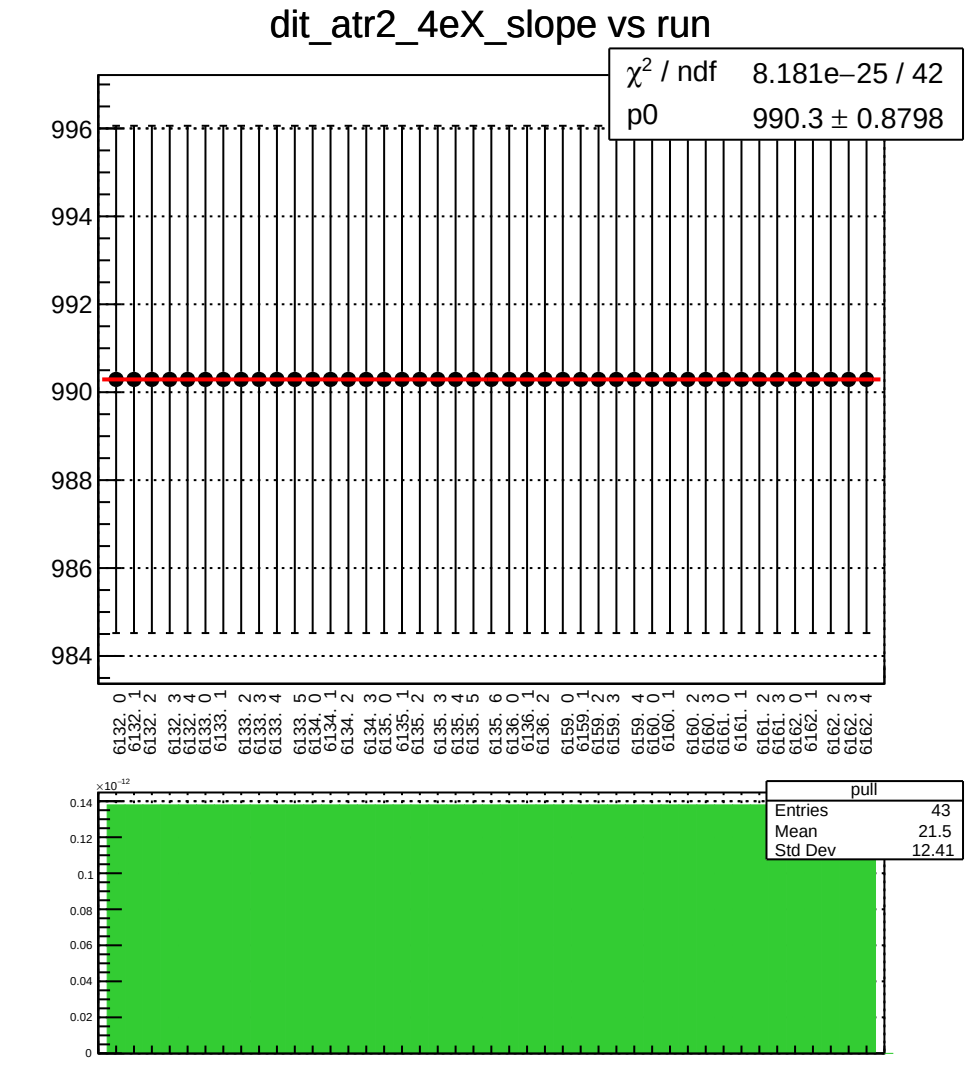

dit_atr1_4eX_slope vs run
χ² / ndf 0 / 42
p0 47.62 ± 0.7104
52
50
48
46
44
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 43
Mean 0
Std Dev 0
45
40
35
30
25
20
15
10
5
0
–8
–6
–4
–2
0
2
4
6
8

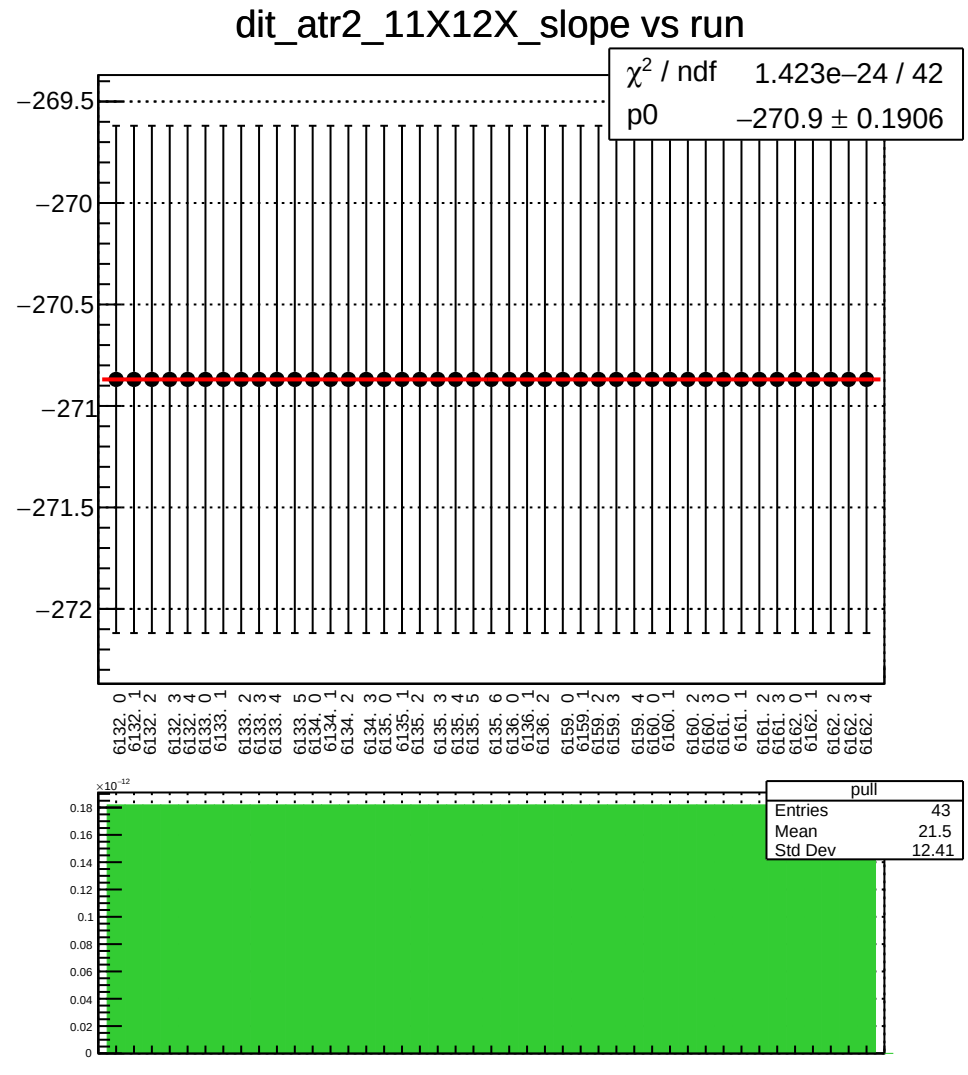

dit_atr1_11X12X_slope vs run
χ² / ndf 0 / 42
p0 −32.41 ± 0.1498
−31.5
−32
−32.5
−33
−33.5
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 43
Mean 0
Std Dev 0
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

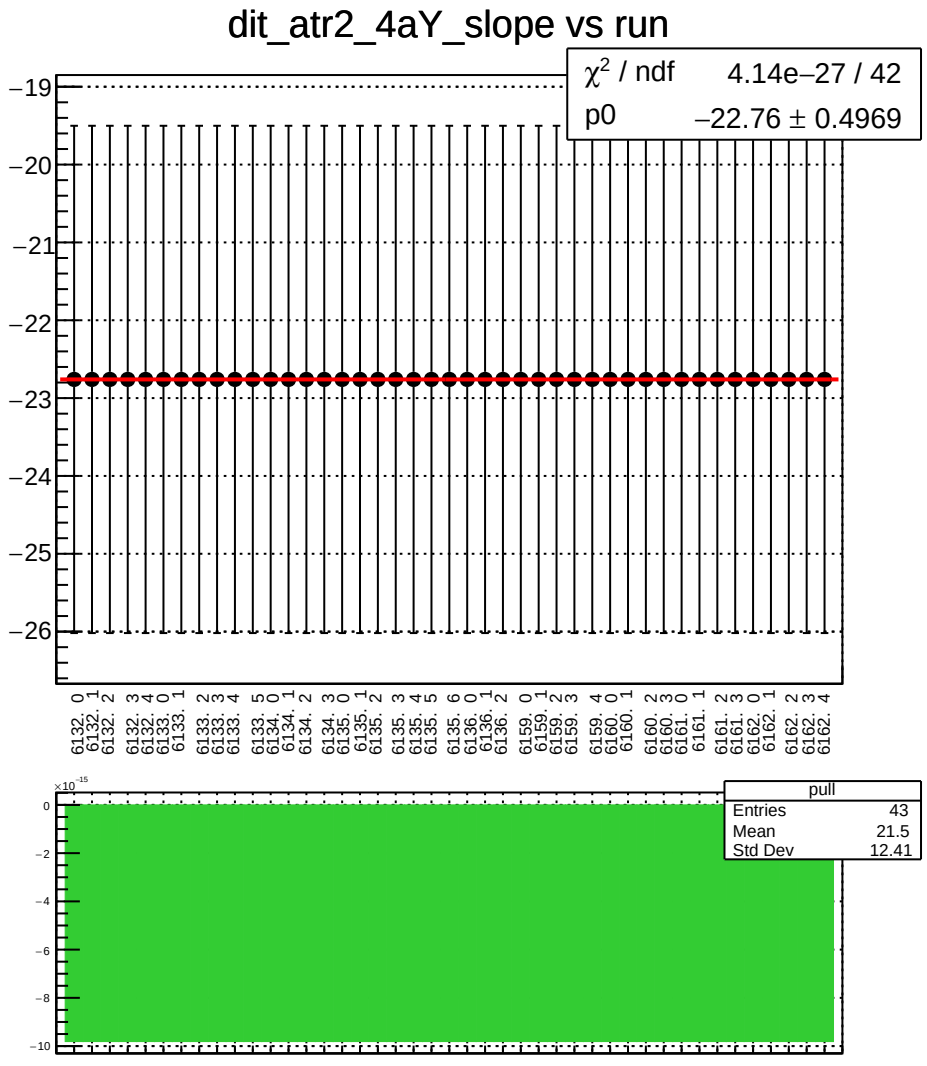

dit_atr1_4aY_slope vs run
χ² / ndf 7.148e−28 / 42
p0 13.1 ± 0.3322
15
14
13
12
11
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
−4
pull
Entries 43
Mean 21.5
Std Dev 12.41
pull1D
Entries 43
Mean −4.077e−15
Std Dev7.487e−23
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

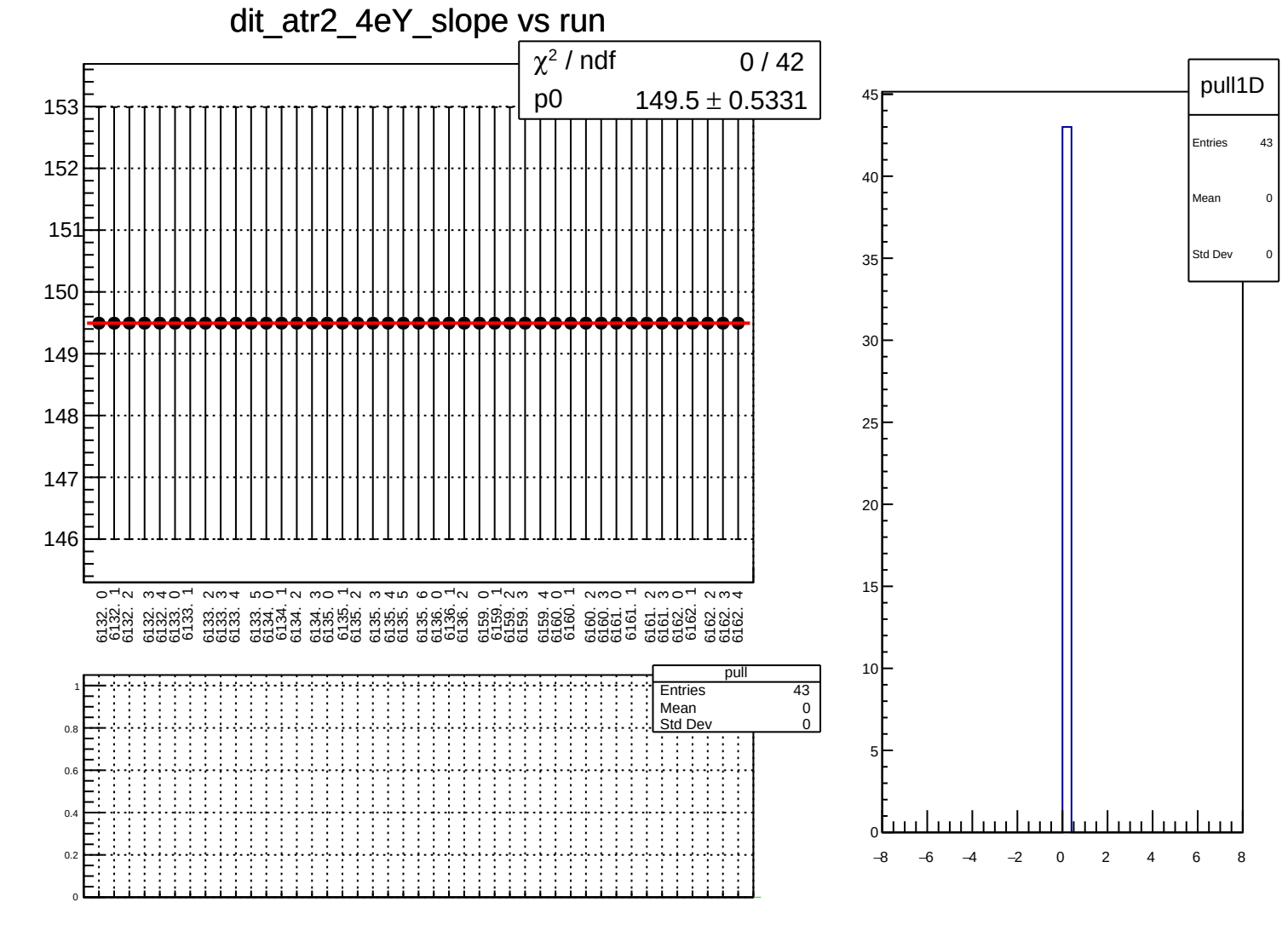

dit_atr1_4eY_slope vs run
χ² / ndf 9.767e−28 / 42
p0 −20.59 ± 0.341
−18
−19
−20
−21
−22
−23
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻�15
0
−1
−2
−3
−4
−5
pull
Entries 43
Mean 21.5
Std Dev 12.41
pull1D
Entries 43
Mean −4.766e−15
Std Dev1.756e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

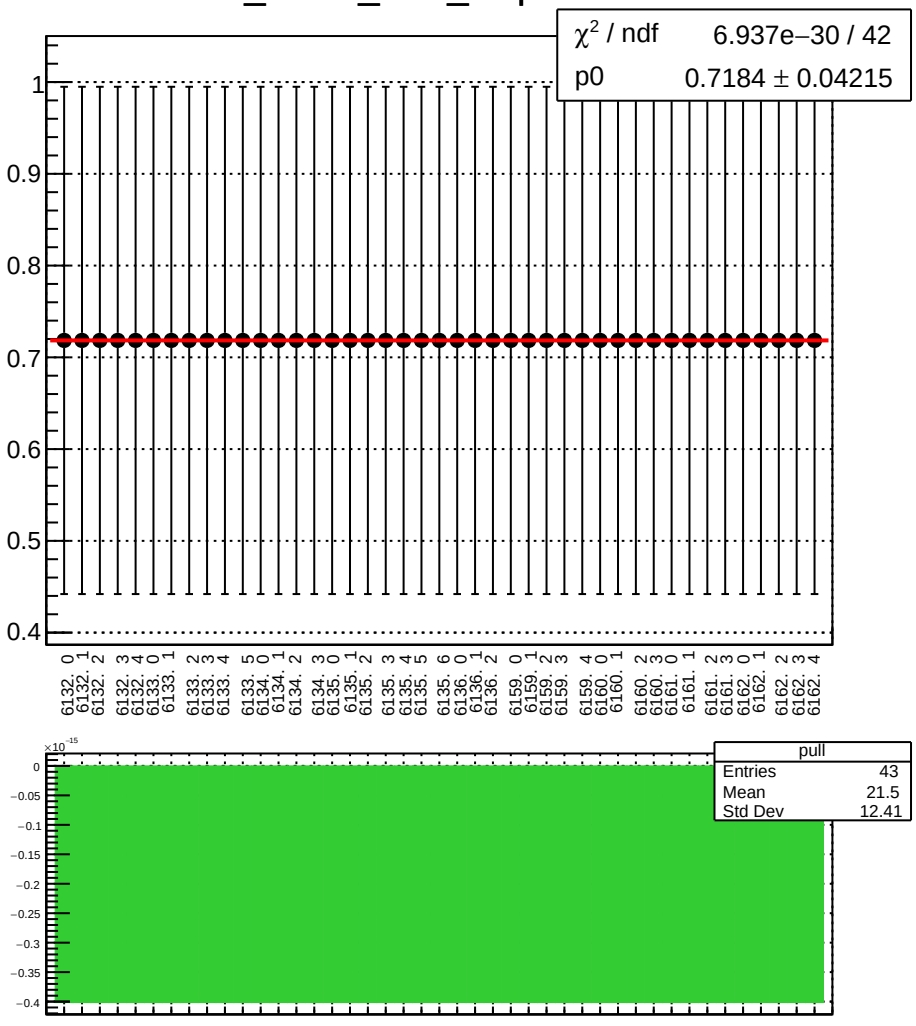

dit_atr2_4aX_slope vs run
χ² / ndf 5.723e−25 / 42
p0 −680.3 ± 0.7514
−676
−678
−680
−682
−684
−686
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻�¹²
0.12
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 43
Mean 21.5
Std Dev 12.41
pull1D
Entries 43
Mean 1.154e−13
Std Dev2.934e−21
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

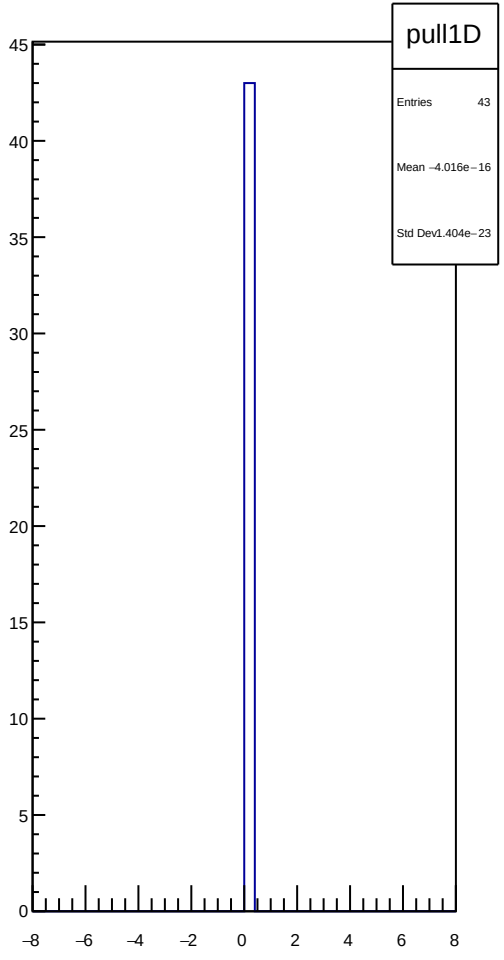

dit_atr2_4eX_slope vs run
χ² / ndf 8.181e−25 / 42
p0 990.3 ± 0.8798
996
994
992
990
988
986
984
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻¹²
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 43
Mean 21.5
Std Dev 12.41
pull1D
Entries 43
Mean 1.379e−13
Std Dev4.482e−21
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

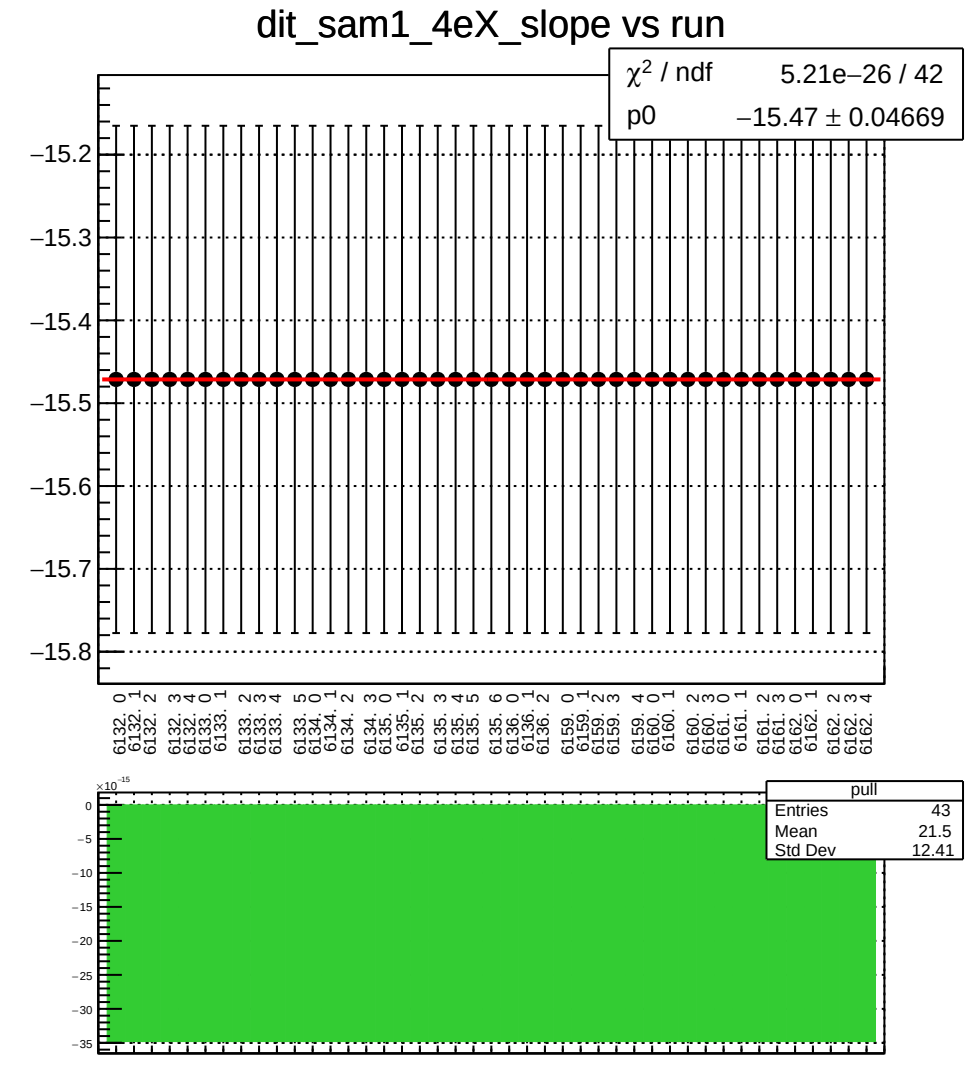

dit_atr2_11X12X_slope vs run
χ² / ndf 1.423e−24 / 42
p0 −270.9 ± 0.1906
−269.5
−270
−270.5
−271
−271.5
−272
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻¹²
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 43
Mean 21.5
Std Dev 12.41
pull1D
Entries 43
Mean 1.819e−13
Std Dev2.396e−21
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

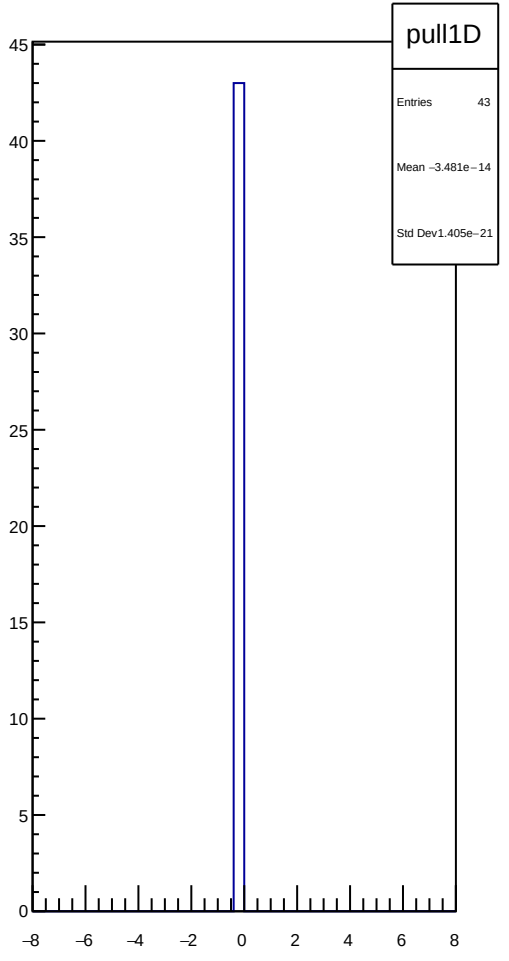

dit_atr2_4aY_slope vs run
χ² / ndf 4.14e−27 / 42
p0 −22.76 ± 0.4969
−19
−20
−21
−22
−23
−24
−25
−26
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻�15
0
−2
−4
−6
−8
−10
pull
Entries 43
Mean 21.5
Std Dev 12.41
pull1D
Entries 43
Mean −9.812e−15
Std Dev3.962e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

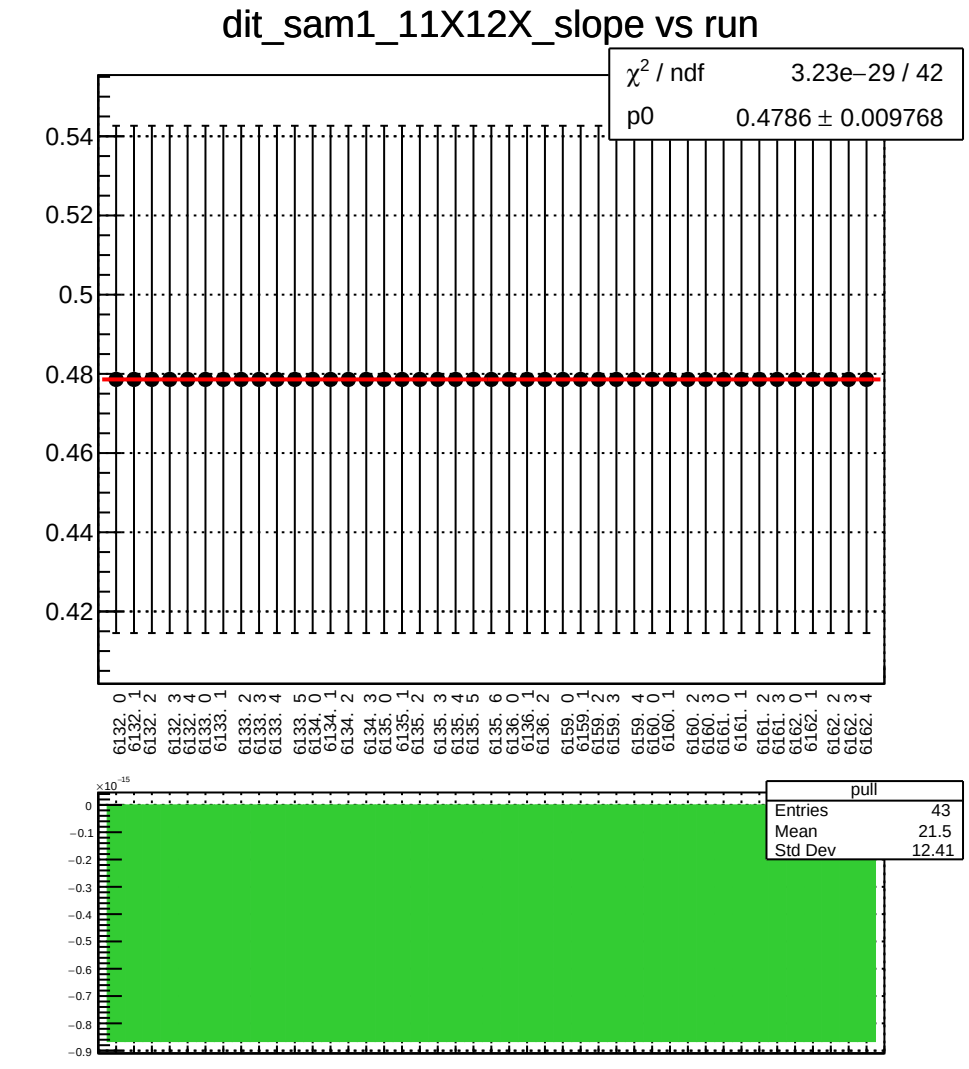

dit_atr2_4eY_slope vs run
χ² / ndf 0 / 42
p0 149.5 ± 0.5331
153
152
151
150
149
148
147
146
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 43
Mean 0
Std Dev 0
45
40
35
30
25
20
15
10
5
0
–8
–6
–4
–2
0
2
4
6
8

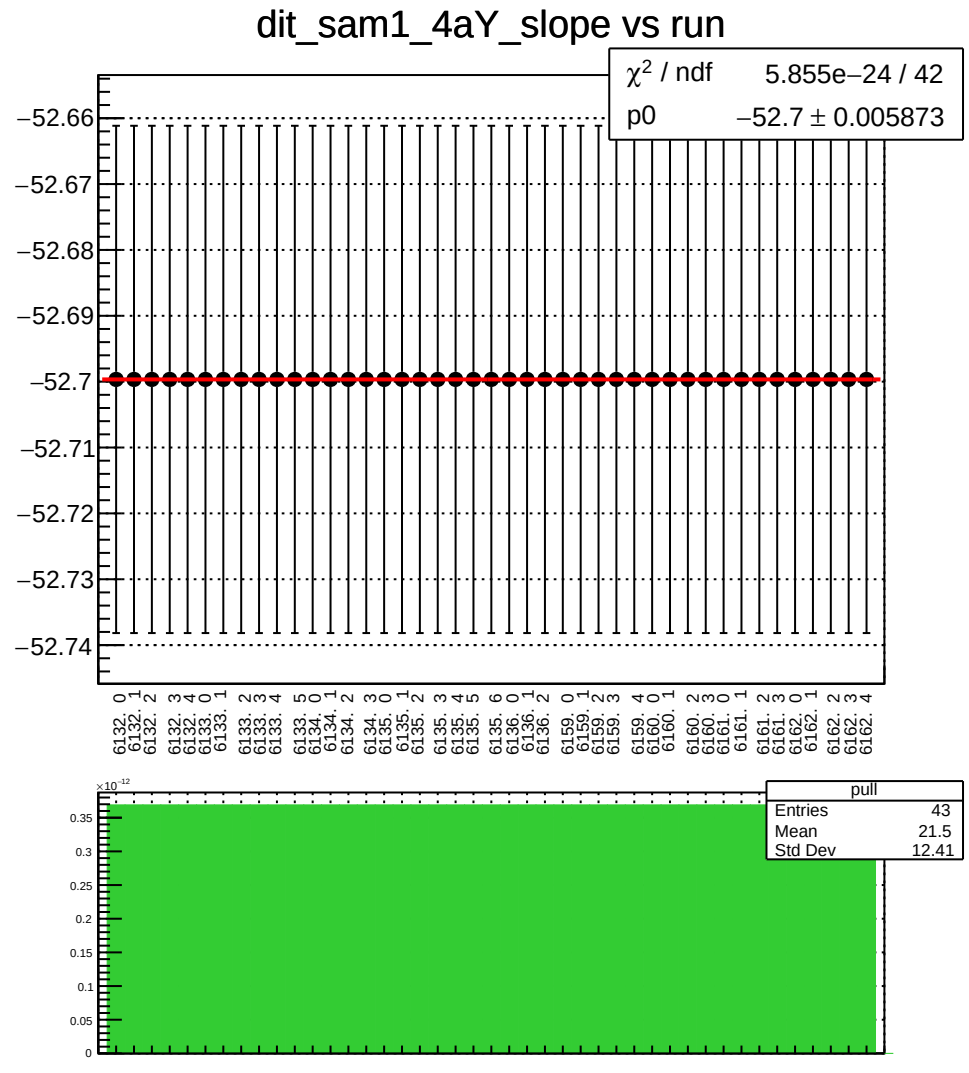

dit_sam1_4aX_slope vs run
χ² / ndf 6.937e−30 / 42
p0 0.7184 ± 0.04215
1
0.9
0.8
0.7
0.6
0.5
0.4
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻¹⁵
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
−0.4
pull
Entries 43
Mean 21.5
Std Dev 12.41

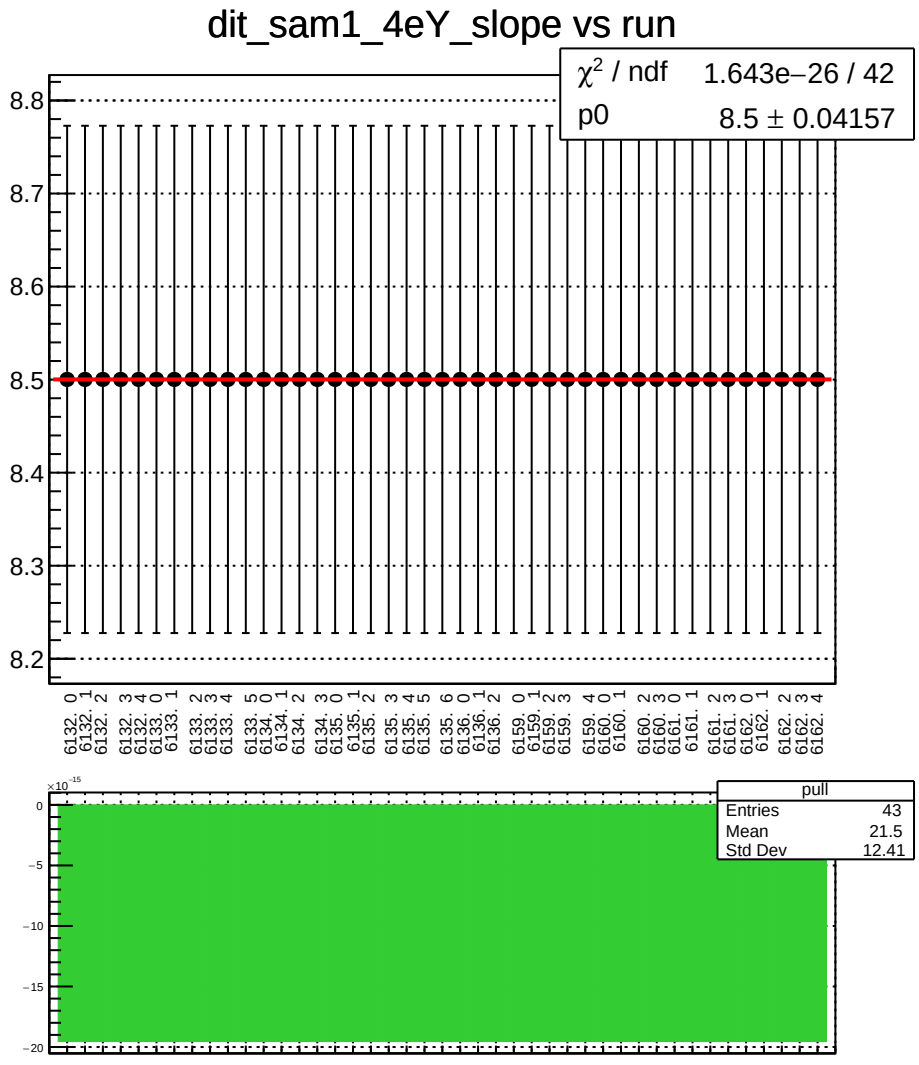

pull1D
Entries 43
Mean −4.016e−16
Std Dev1.404e−23
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

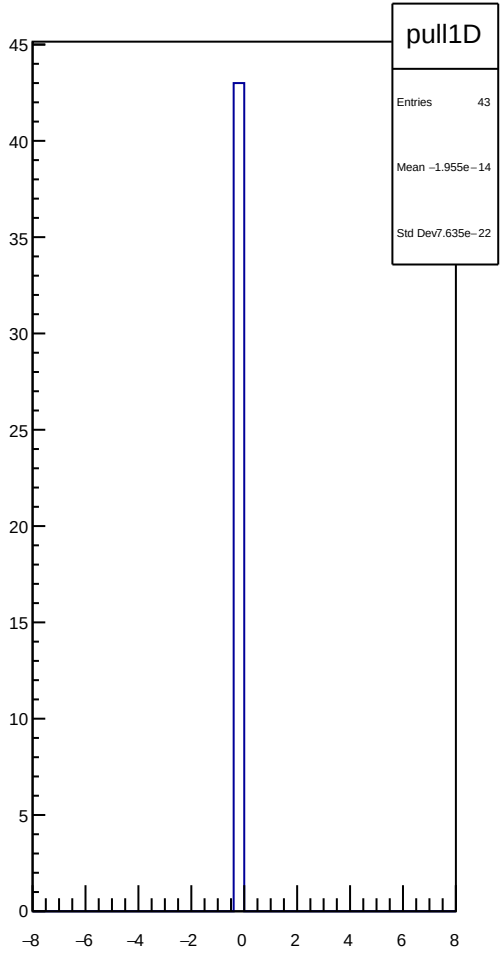

dit_sam1_4eX_slope vs run
χ² / ndf 5.21e−26 / 42
p0 −15.47 ± 0.04669
−15.2
−15.3
−15.4
−15.5
−15.6
−15.7
−15.8
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
pull
Entries 43
Mean 21.5
Std Dev 12.41

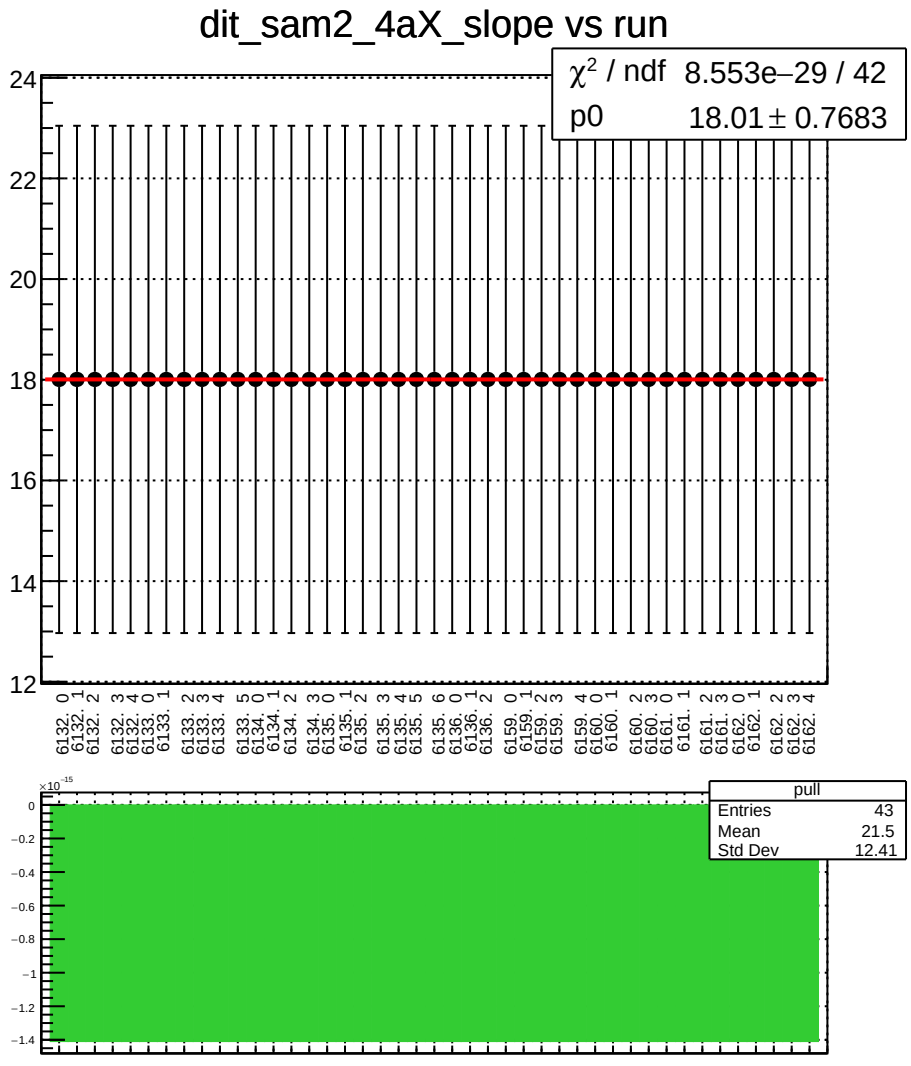

pull1D
Entries 43
Mean −3.481e−14
Std Dev1.405e−21
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

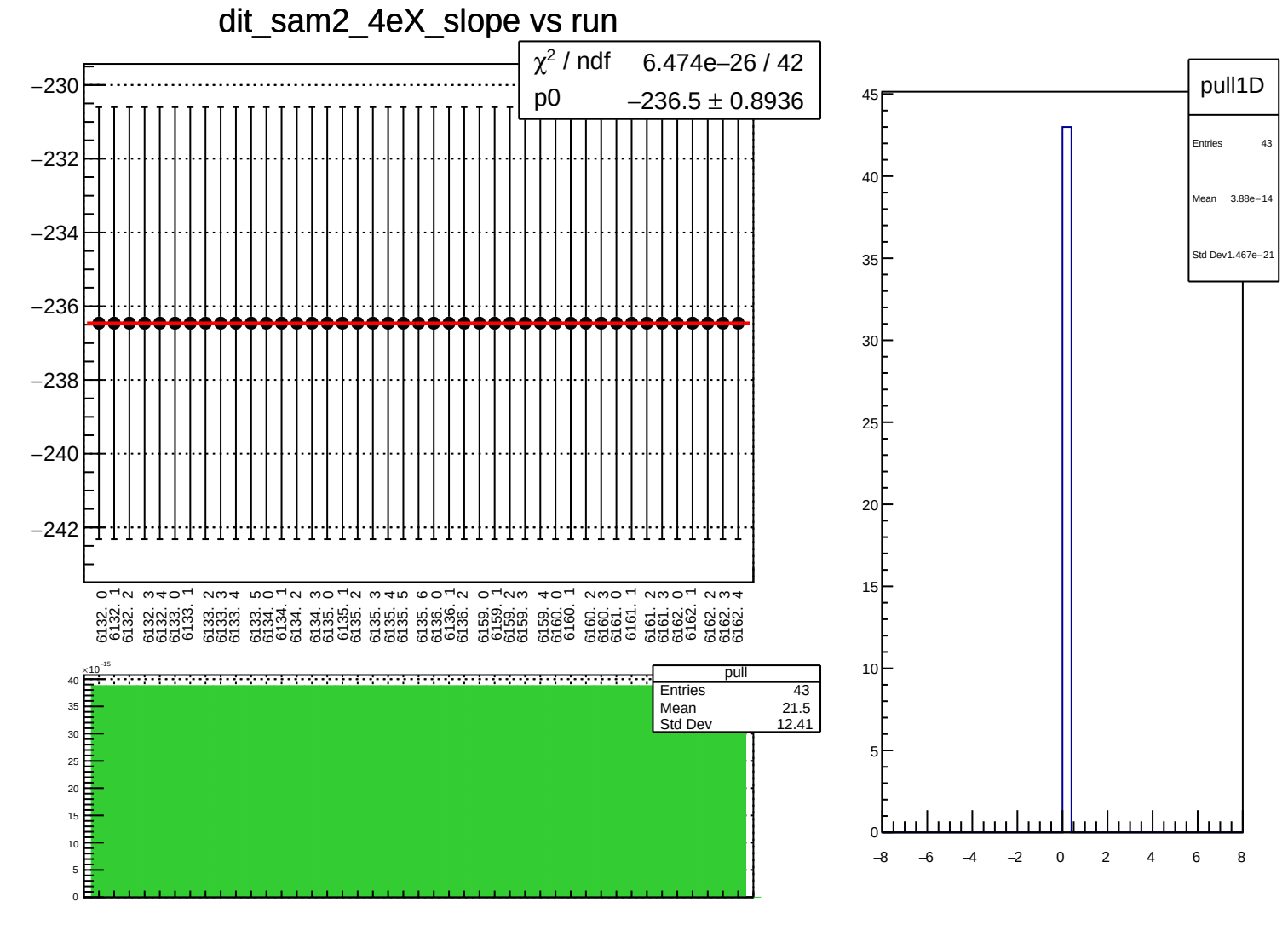

dit_sam1_11X12X_slope vs run
χ² / ndf 3.23e−29 / 42
p0 0.4786 ± 0.009768
0.54
0.52
0.5
0.48
0.46
0.44
0.42
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻�15
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
−0.8
−0.9
pull
Entries 43
Mean 21.5
Std Dev 12.41
pull1D
Entries 43
Mean −8.667e−16
Std Dev2.476e−23
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

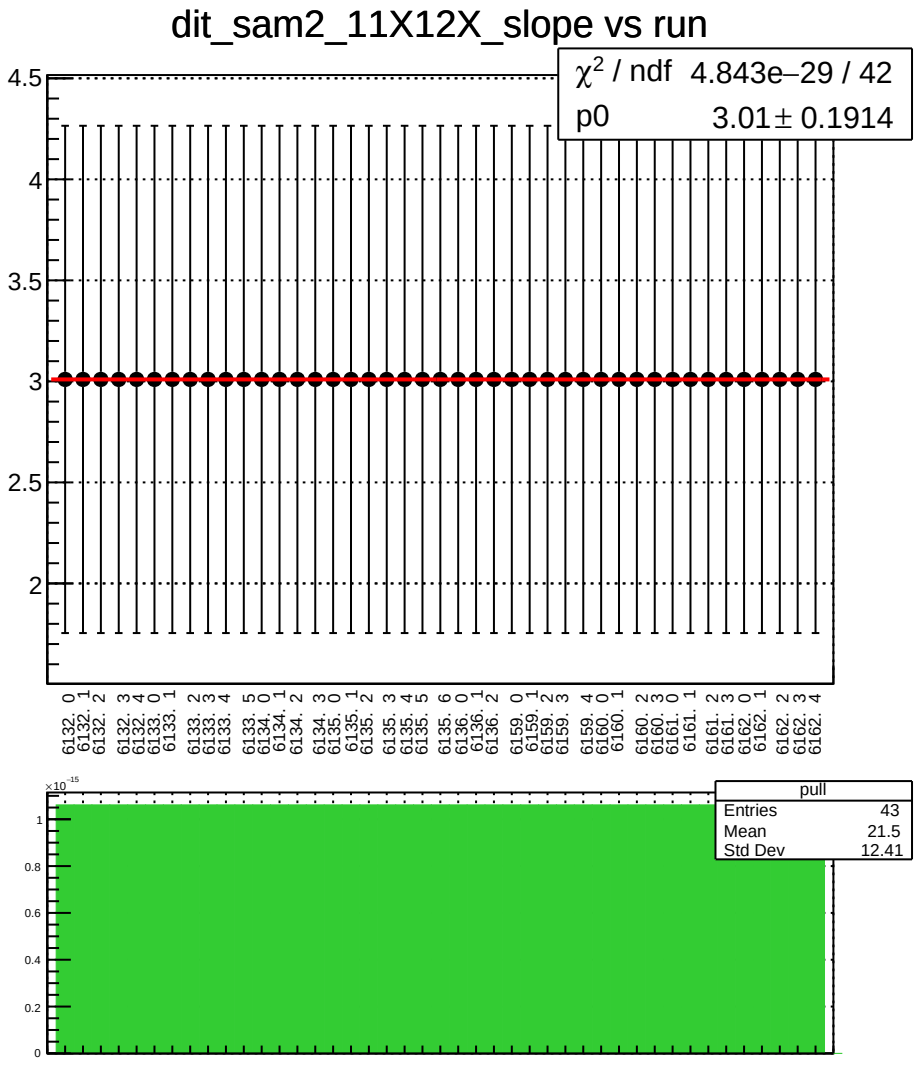

dit_sam1_4aY_slope vs run
χ² / ndf 5.855e−24 / 42
p0 −52.7 ± 0.005873
−52.66
−52.67
−52.68
−52.69
−52.7
−52.71
−52.72
−52.73
−52.74
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻¹²
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
pull
Entries 43
Mean 21.5
Std Dev 12.41
pull1D
Entries 43
Mean 3.69e−13
Std Dev1.437e−20
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

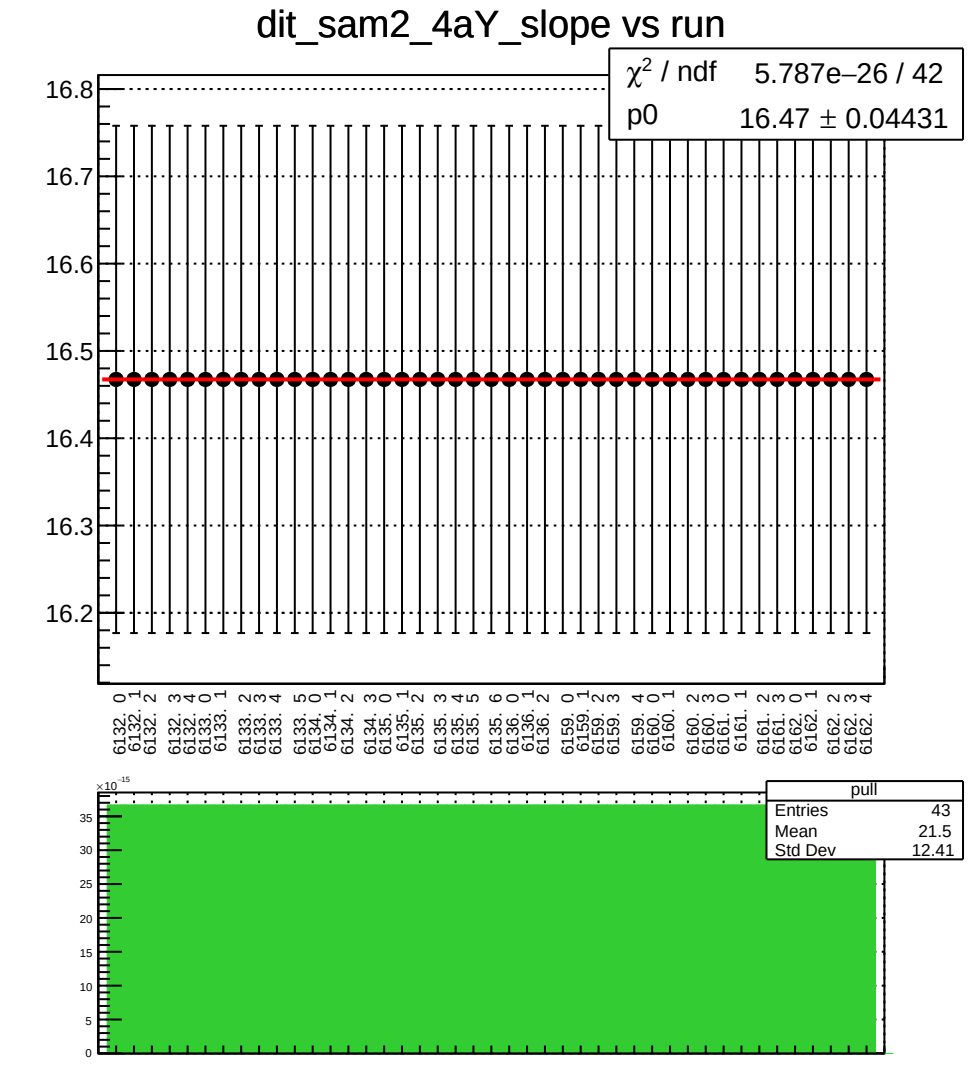

dit_sam1_4eY_slope vs run
χ² / ndf 1.643e−26 / 42
p0 8.5 ± 0.04157
8.8
8.7
8.6
8.5
8.4
8.3
8.2
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻�15
0
−5
−10
−15
−20
pull
Entries 43
Mean 21.5
Std Dev 12.41

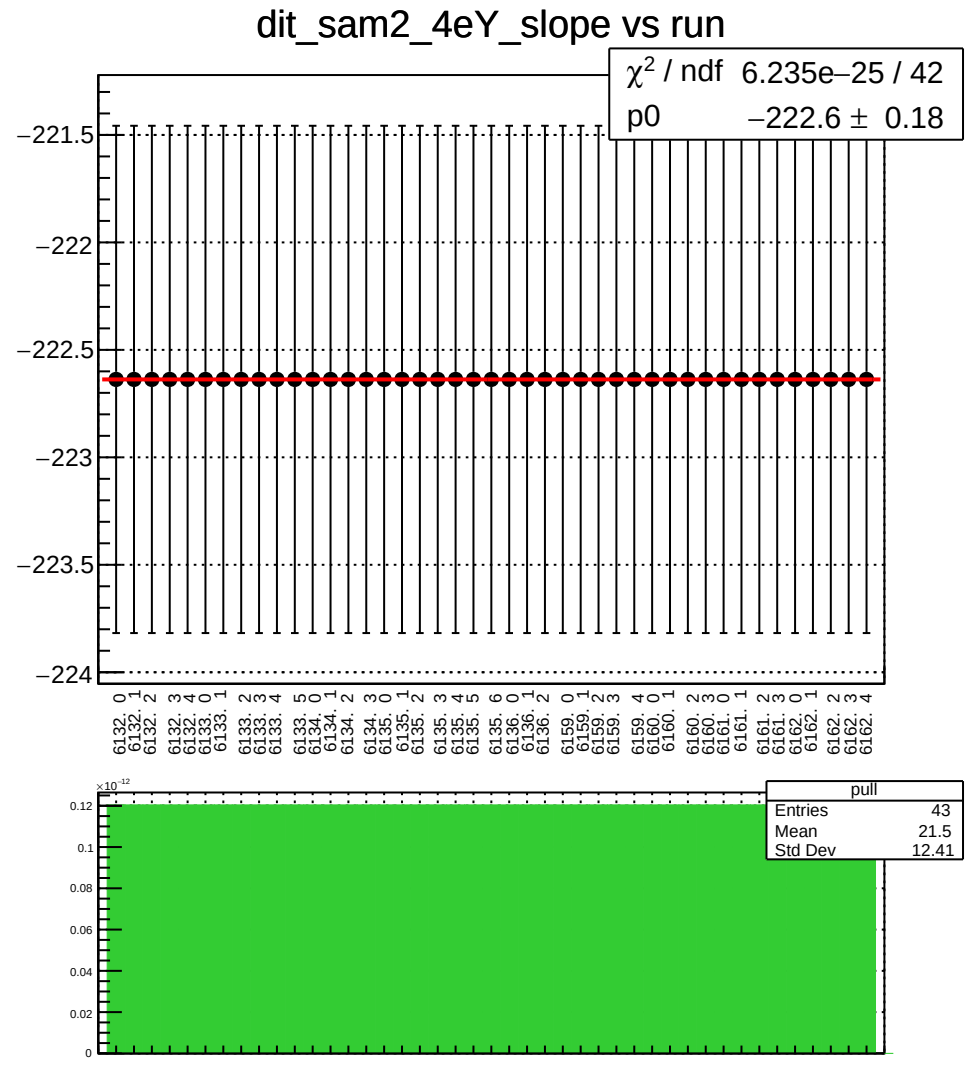

pull1D
Entries 43
Mean −1.955e−14
Std Dev7.635e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

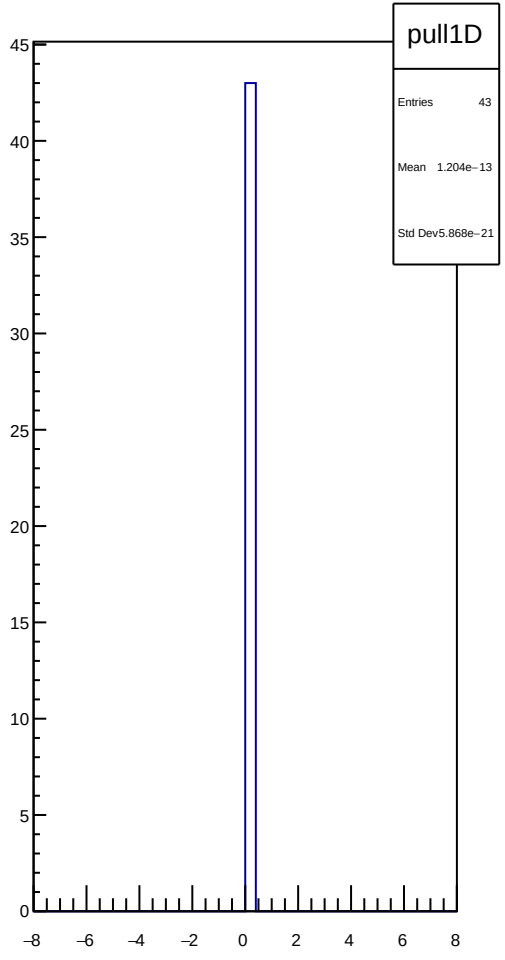

dit_sam2_4aX_slope vs run
χ² / ndf 8.553e−29 / 42
p0 18.01 ± 0.7683
24
22
20
18
16
14
12
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻¹⁵
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
pull
Entries 43
Mean 21.5
Std Dev 12.41
pull1D
Entries 43
Mean −1.41e−15
Std Dev 6.208e−23
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

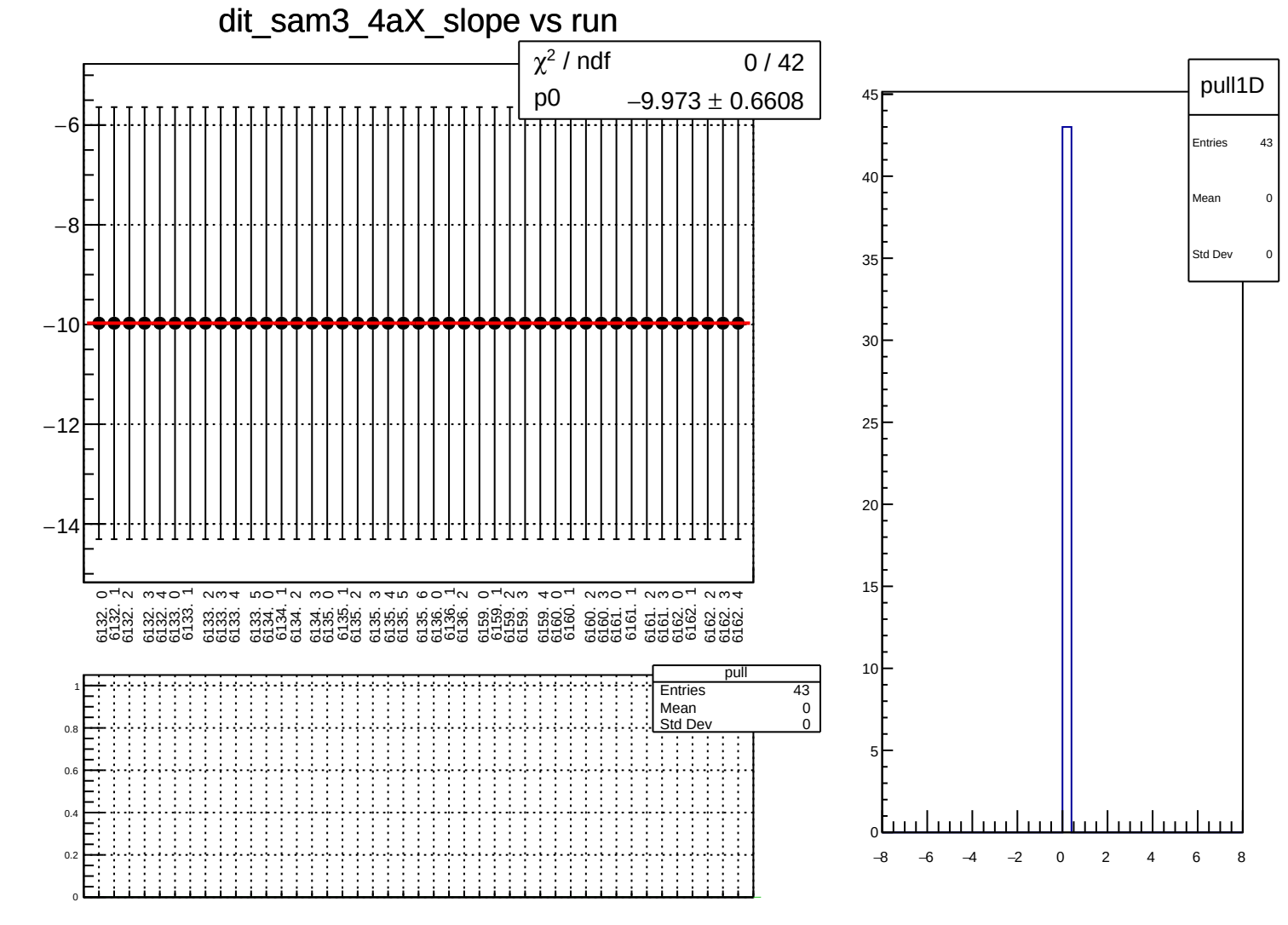

dit_sam2_4eX_slope vs run
χ² / ndf 6.474e−26 / 42
p0 −236.5 ± 0.8936
−230
−232
−234
−236
−238
−240
−242
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻¹⁵
40
35
30
25
20
15
10
5
0
pull
Entries 43
Mean 21.5
Std Dev 12.41
pull1D
Entries 43
Mean 3.88e−14
Std Dev 1.467e−21
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

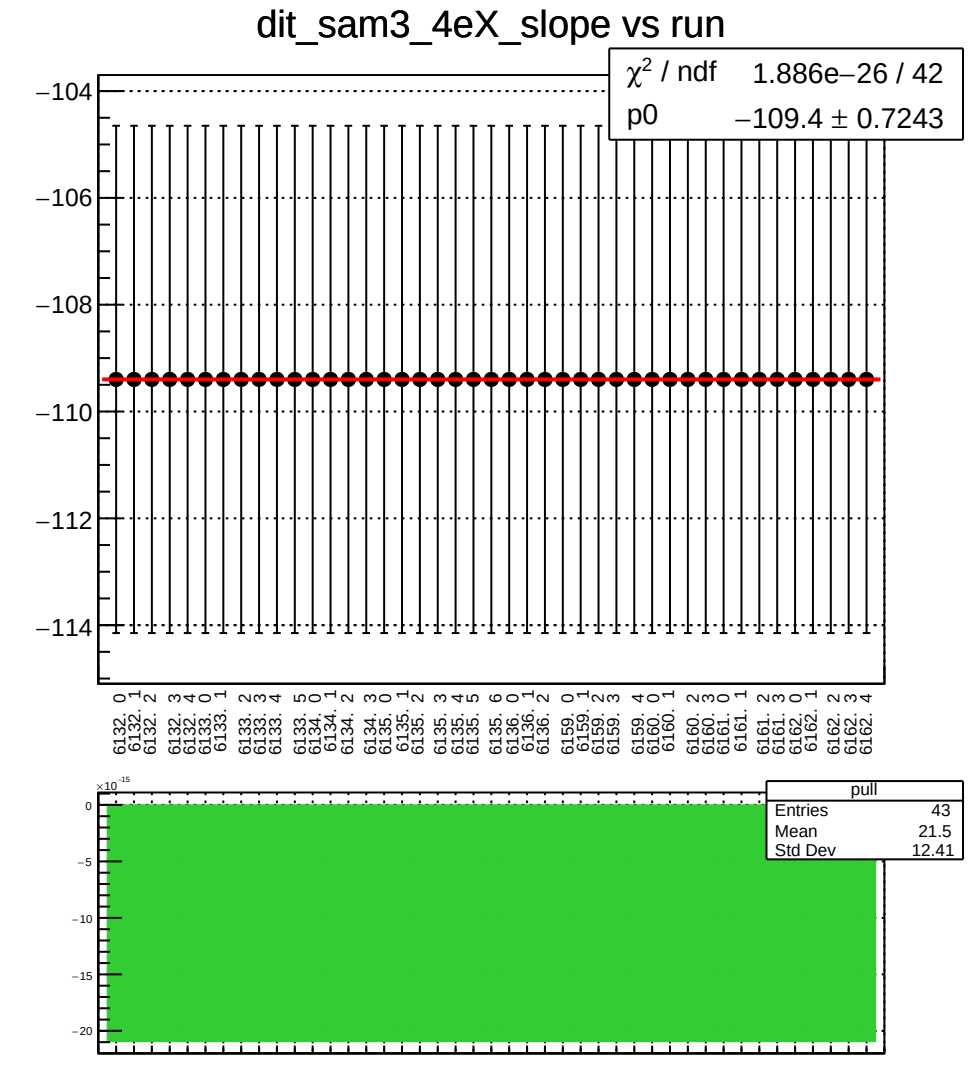

dit_sam2_11X12X_slope vs run
χ² / ndf 4.843e−29 / 42
p0 3.01 ± 0.1914
4.5
4
3.5
3
2.5
2
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻¹⁵
1
0.8
0.6
0.4
0.2
0
pull
Entries 43
Mean 21.5
Std Dev 12.41
pull1D
Entries 43
Mean 1.061e−15
Std Dev 2.647e−23
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

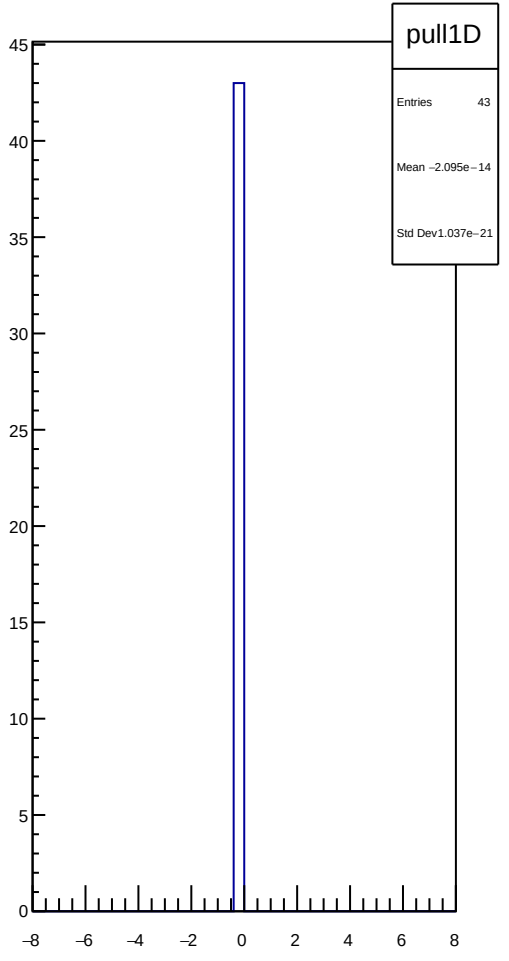

dit_sam2_4aY_slope vs run
χ² / ndf 5.787e−26 / 42
p0 16.47 ± 0.04431
16.8
16.7
16.6
16.5
16.4
16.3
16.2
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻¹⁵
35
30
25
20
15
10
5
0
pull
Entries 43
Mean 21.5
Std Dev 12.41
pull1D
Entries 43
Mean 3.668e−14
Std Dev1.527e−21
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

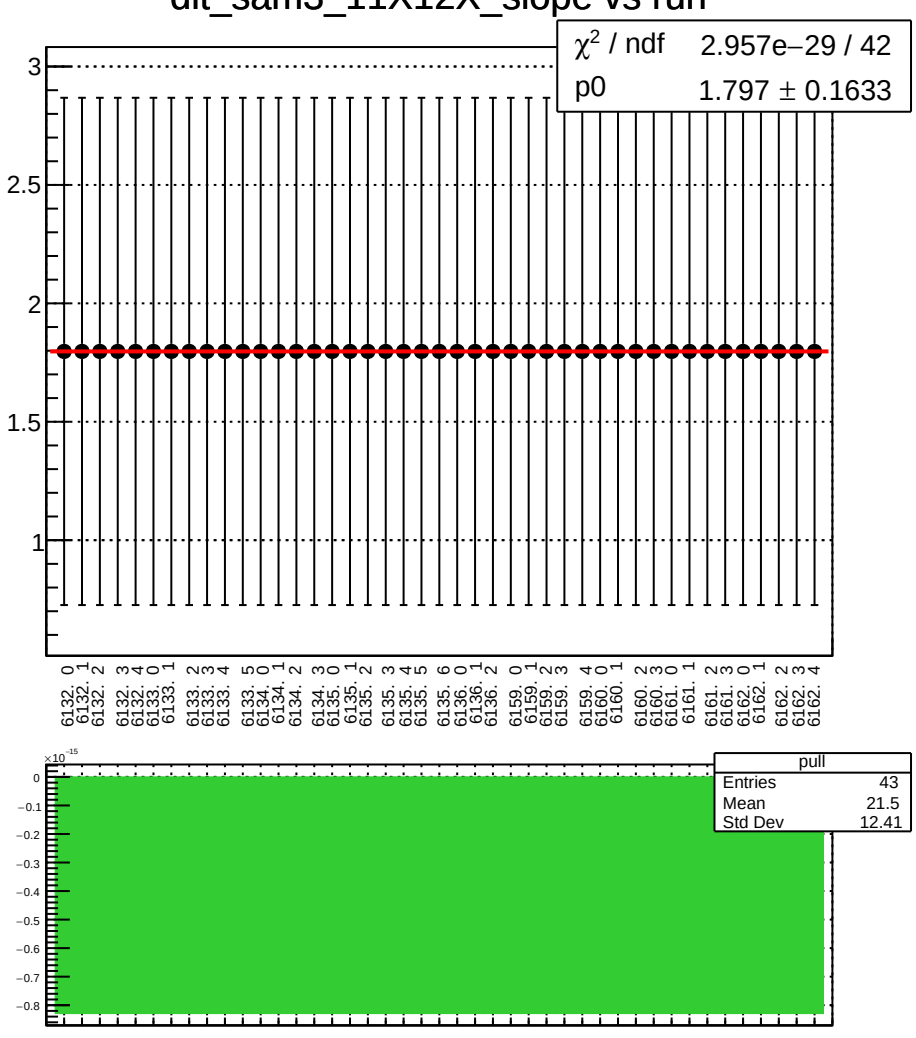

dit_sam2_4eY_slope vs run
χ² / ndf 6.235e−25 / 42
p0 −222.6 ± 0.18
−221.5
−222
−222.5
−223
−223.5
−224
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻¹²
0.12
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 43
Mean 21.5
Std Dev 12.41

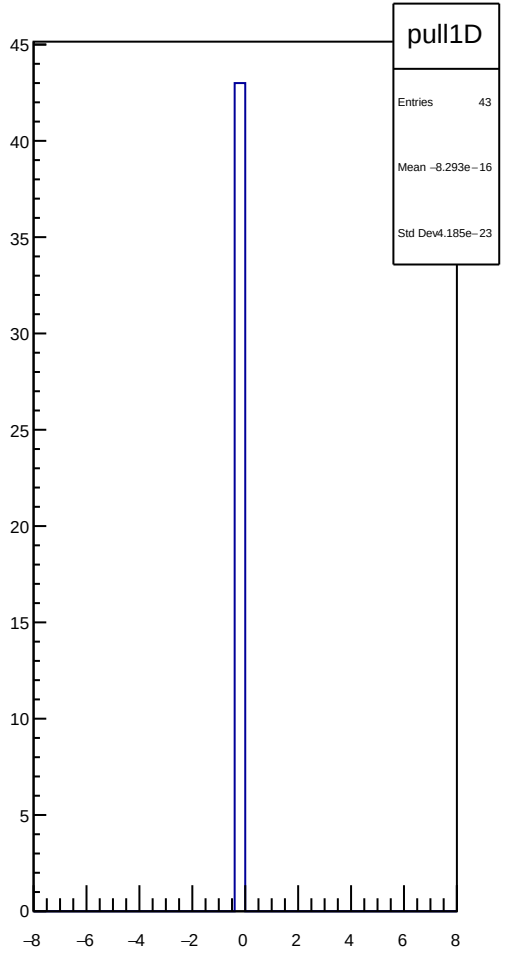

pull1D
Entries 43
Mean 1.204e−13
Std Dev5.868e−21
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

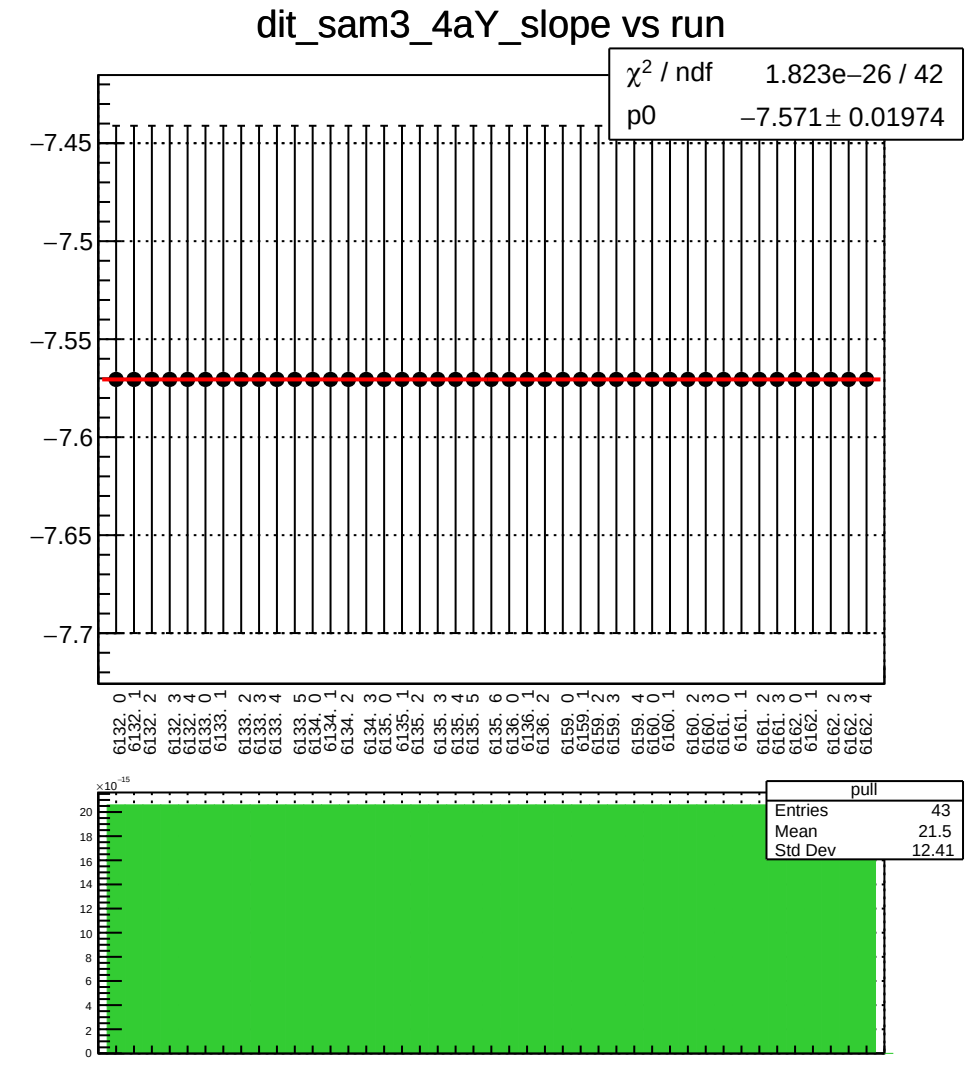

dit_sam3_4aX_slope vs run
χ² / ndf 0 / 42
p0 −9.973 ± 0.6608
−6
−8
−10
−12
−14
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 43
Mean 0
Std Dev 0
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

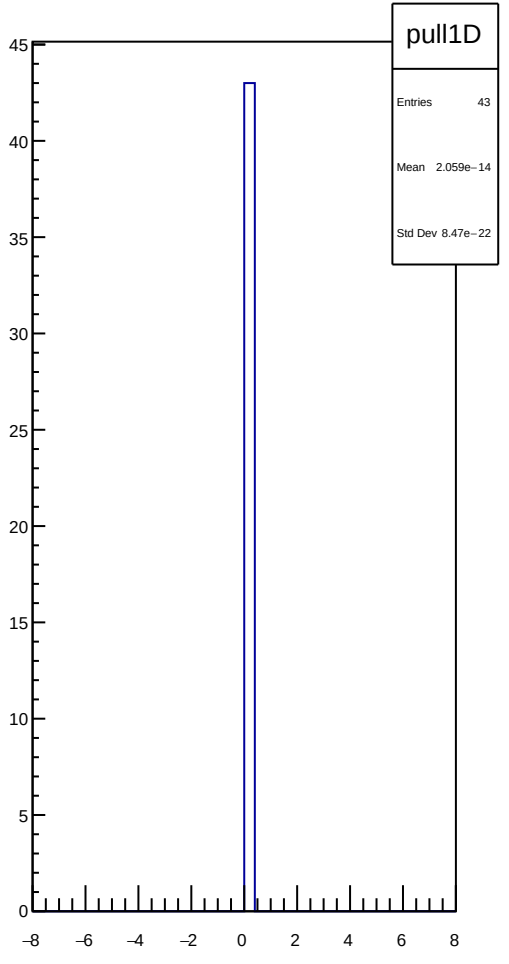

dit_sam3_4eX_slope vs run
χ² / ndf 1.886e−26 / 42
p0 −109.4 ± 0.7243
−104
−106
−108
−110
−112
−114
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻�15
0
−5
−10
−15
−20
pull
Entries 43
Mean 21.5
Std Dev 12.41

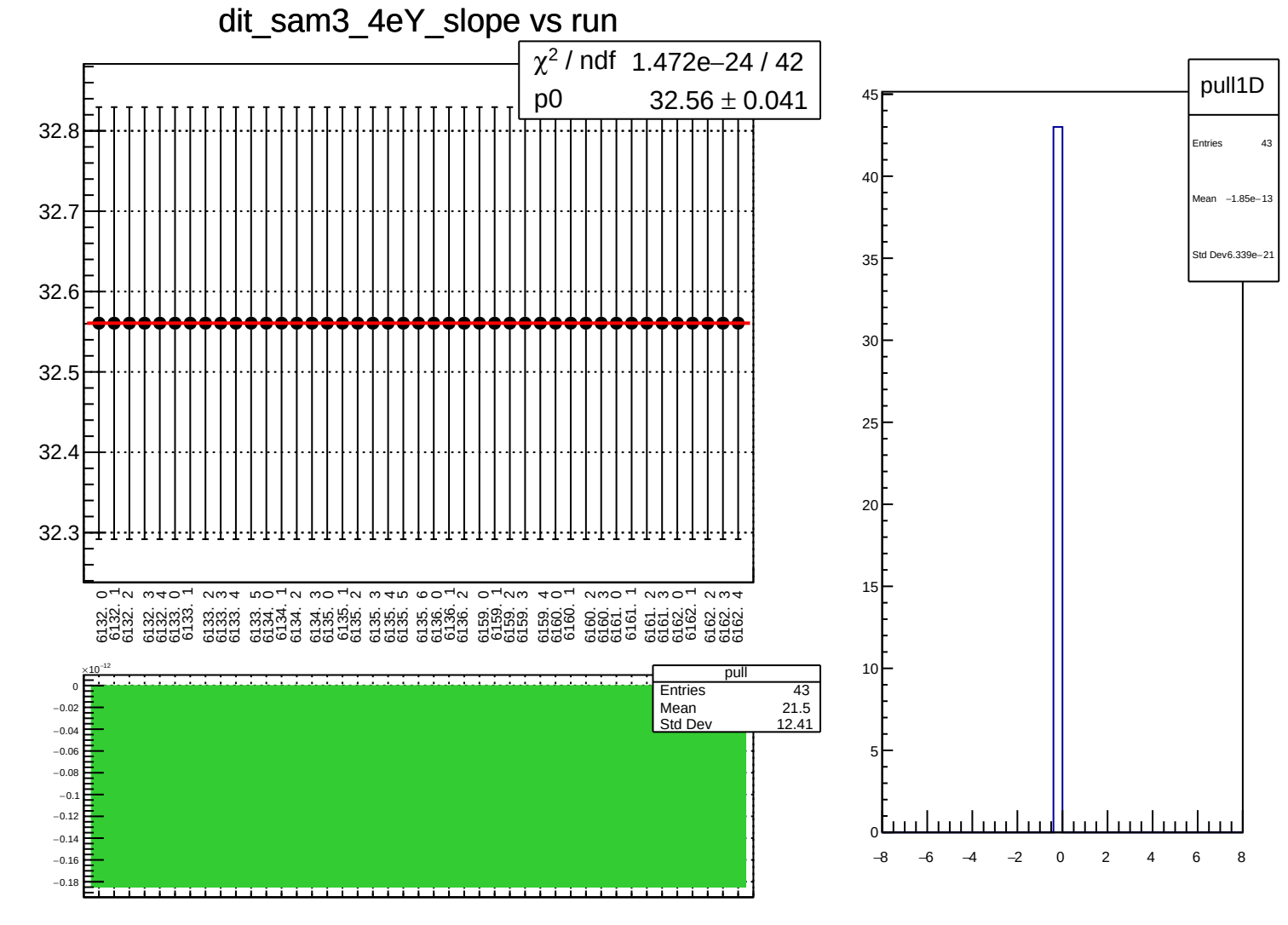

pull1D
Entries 43
Mean −2.095e−14
Std Dev1.037e−21
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

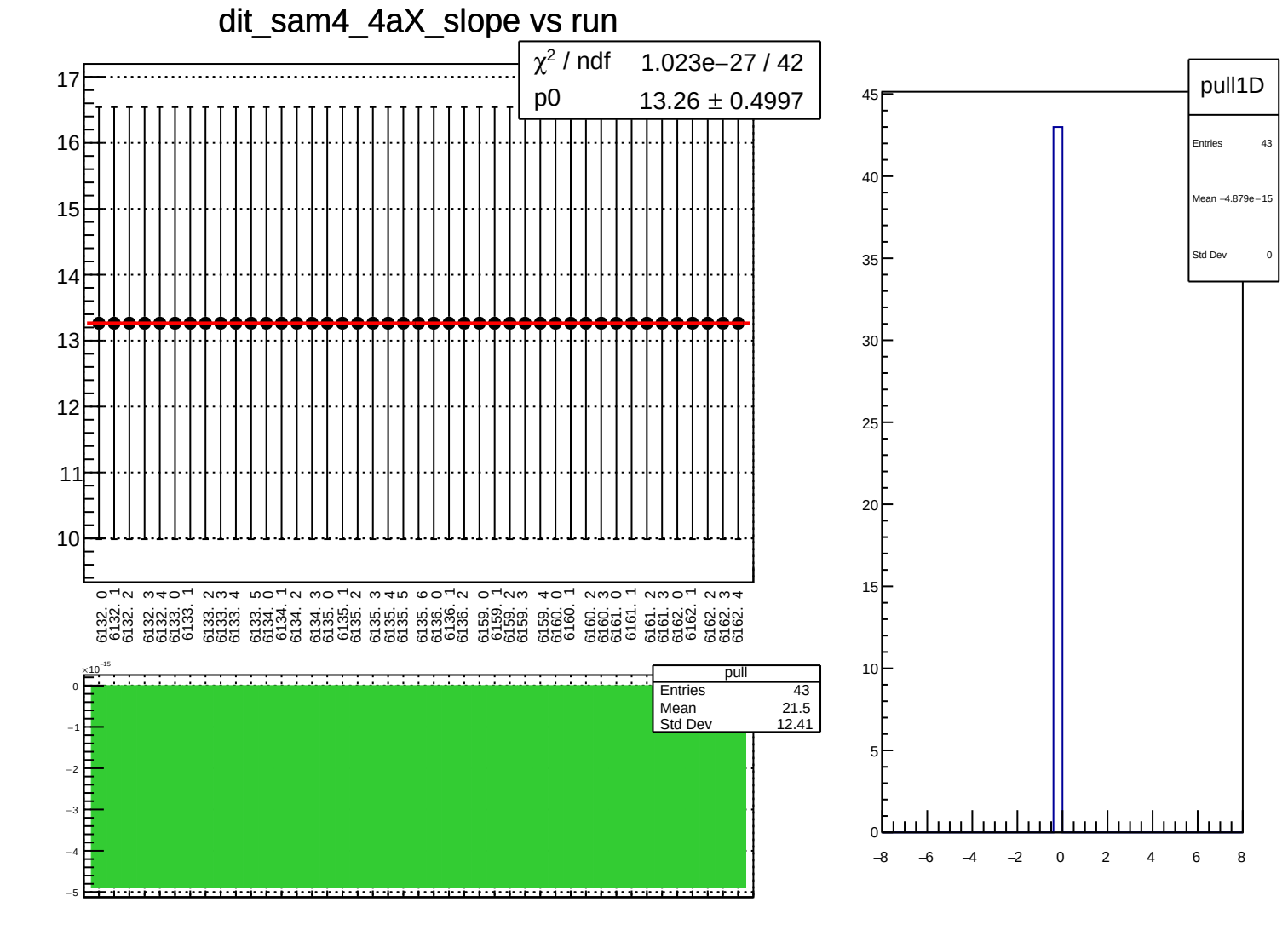

dit_sam3_11X12X_slope vs run
χ² / ndf 2.957e−29 / 42
p0 1.797 ± 0.1633
3
2.5
2
1.5
1
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻¹⁵
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
−0.8
pull
Entries 43
Mean 21.5
Std Dev 12.41

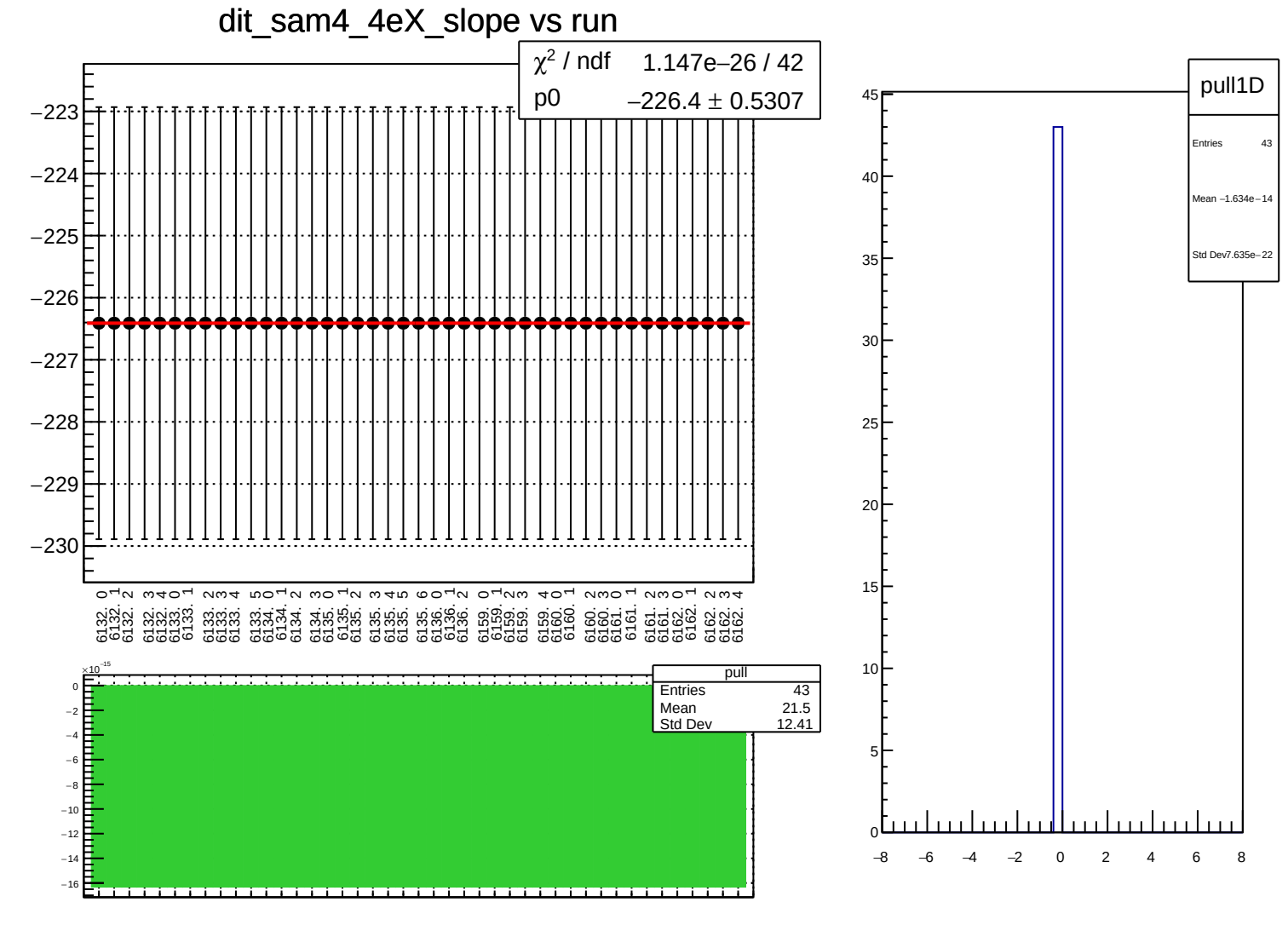

pull1D
Entries 43
Mean −8.293e−16
Std Dev4.185e−23
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

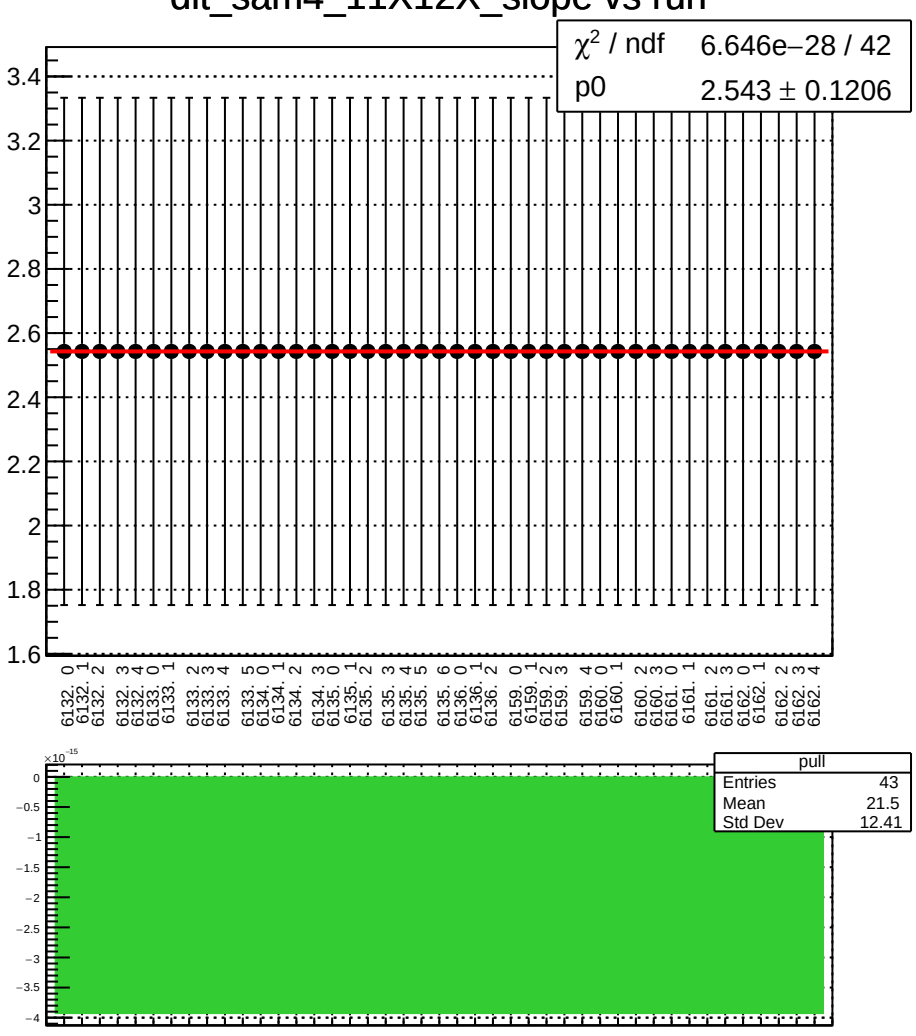

dit_sam3_4aY_slope vs run
χ² / ndf 1.823e−26 / 42
p0 −7.571 ± 0.01974
−7.45
−7.5
−7.55
−7.6
−7.65
−7.7
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻¹⁵
20
18
16
14
12
10
8
6
4
2
0
pull
Entries 43
Mean 21.5
Std Dev 12.41

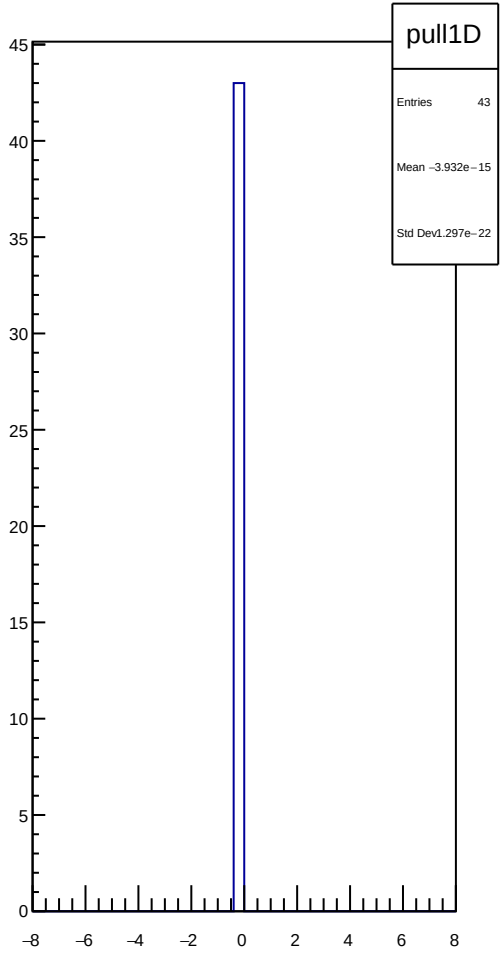

pull1D
Entries 43
Mean 2.059e−14
Std Dev 8.47e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

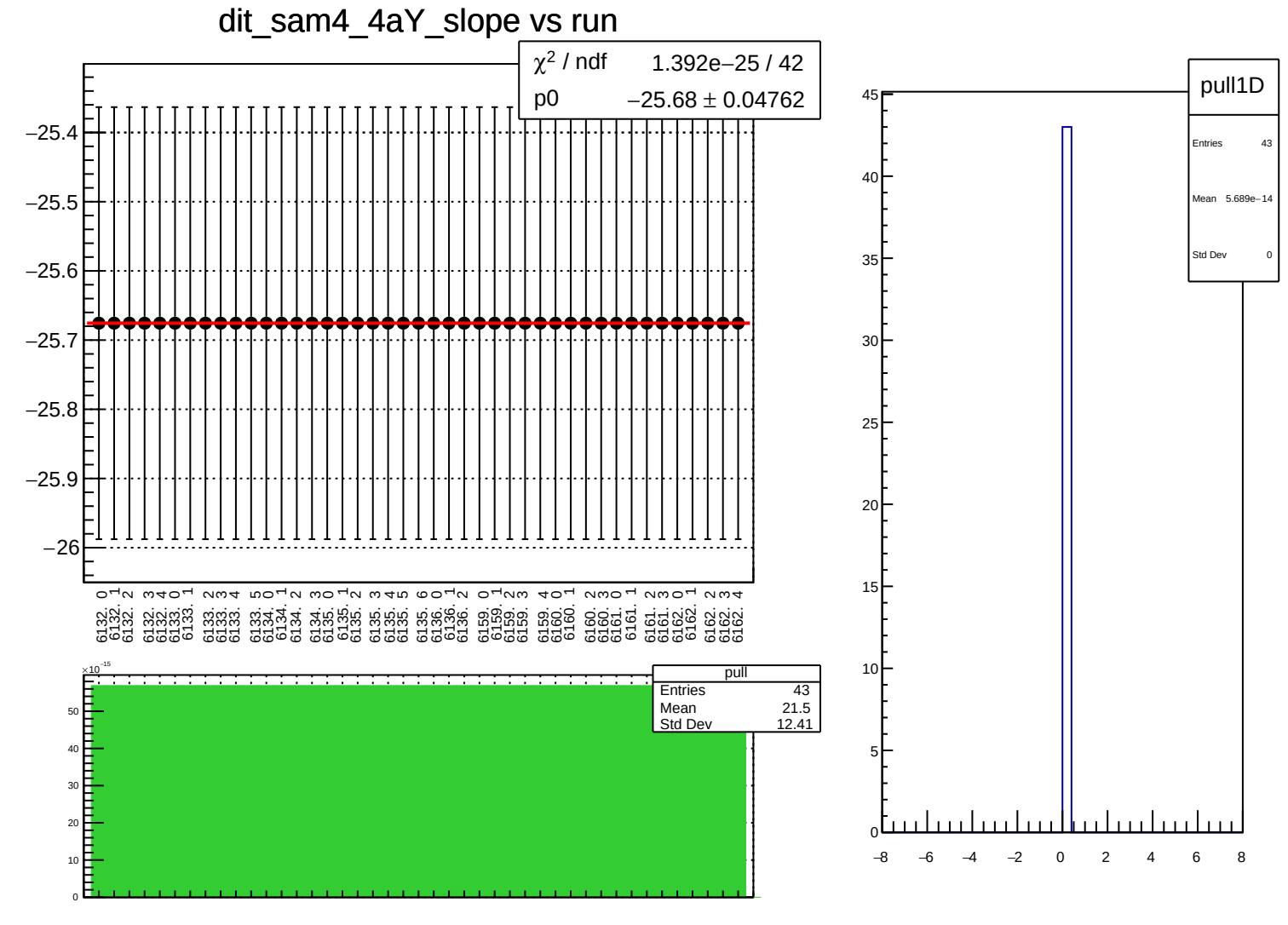

dit_sam3_4eY_slope vs run
χ² / ndf 1.472e−24 / 42
p0 32.56 ± 0.041
32.8
32.7
32.6
32.5
32.4
32.3
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
−0.18
pull
Entries 43
Mean 21.5
Std Dev 12.41
pull1D
Entries 43
Mean −1.85e−13
Std Dev6.339e−21
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

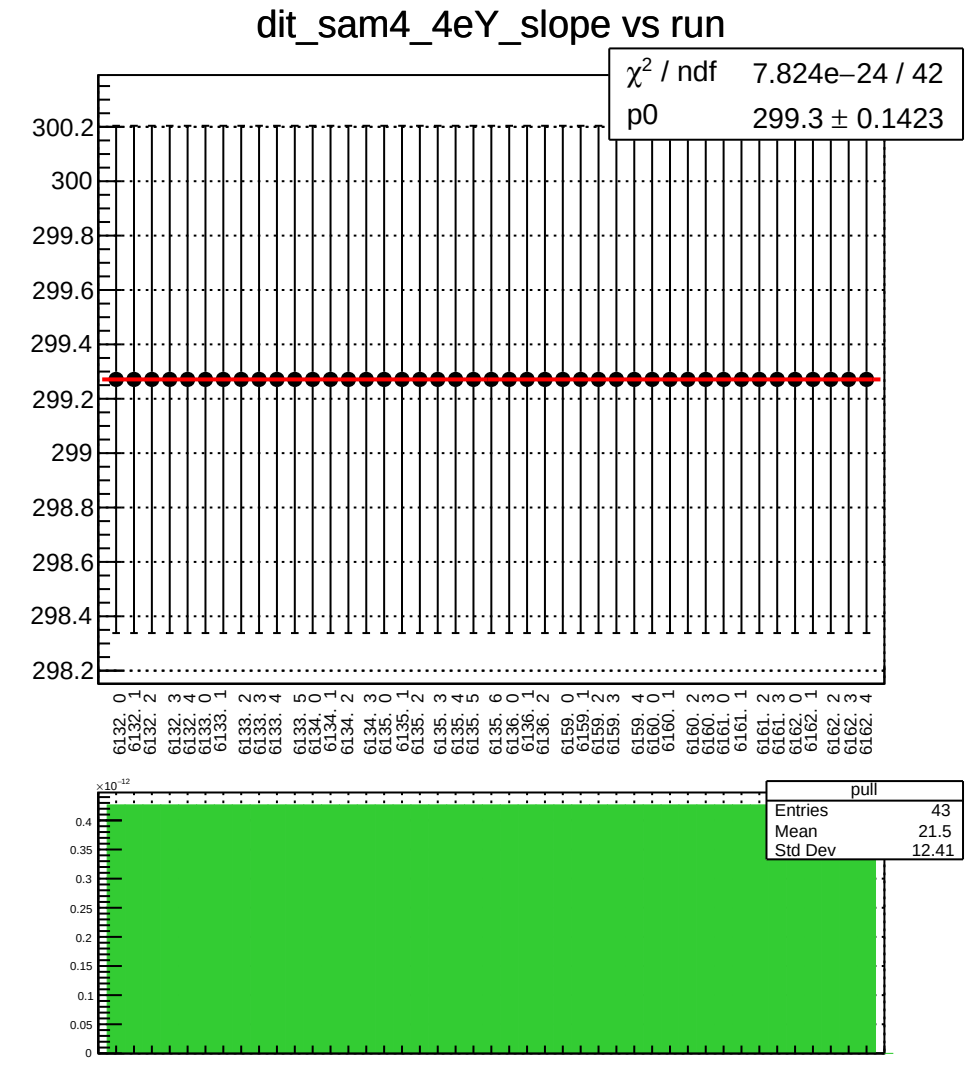

dit_sam4_4aX_slope vs run
χ² / ndf 1.023e−27 / 42
p0 13.26 ± 0.4997
17
16
15
14
13
12
11
10
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻¹⁵
0
−1
−2
−3
−4
−5
pull
Entries 43
Mean 21.5
Std Dev 12.41
pull1D
Entries 43
Mean −4.879e−15
Std Dev 0
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

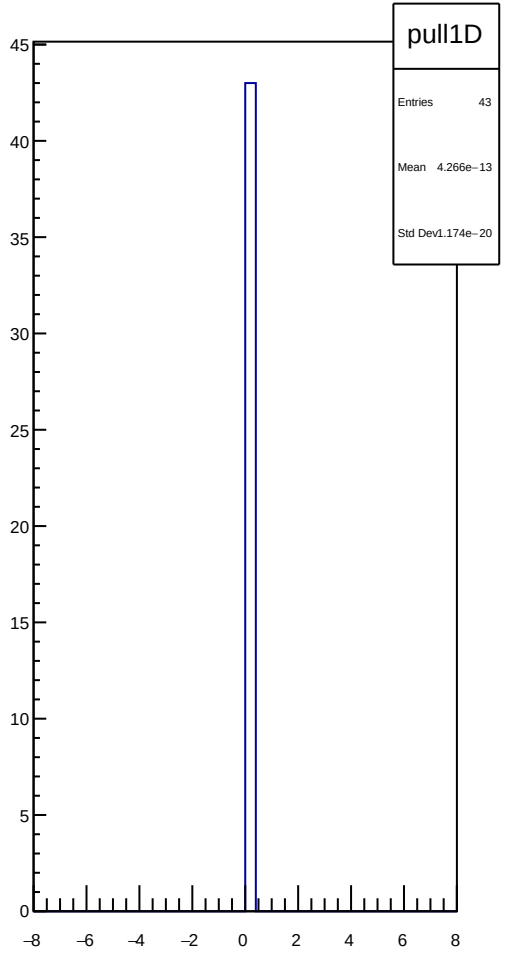

dit_sam4_4eX_slope vs run
χ² / ndf 1.147e−26 / 42
p0 −226.4 ± 0.5307
−223
−224
−225
−226
−227
−228
−229
−230
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
pull
Entries 43
Mean 21.5
Std Dev 12.41
pull1D
Entries 43
Mean −1.634e−14
Std Dev7.635e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

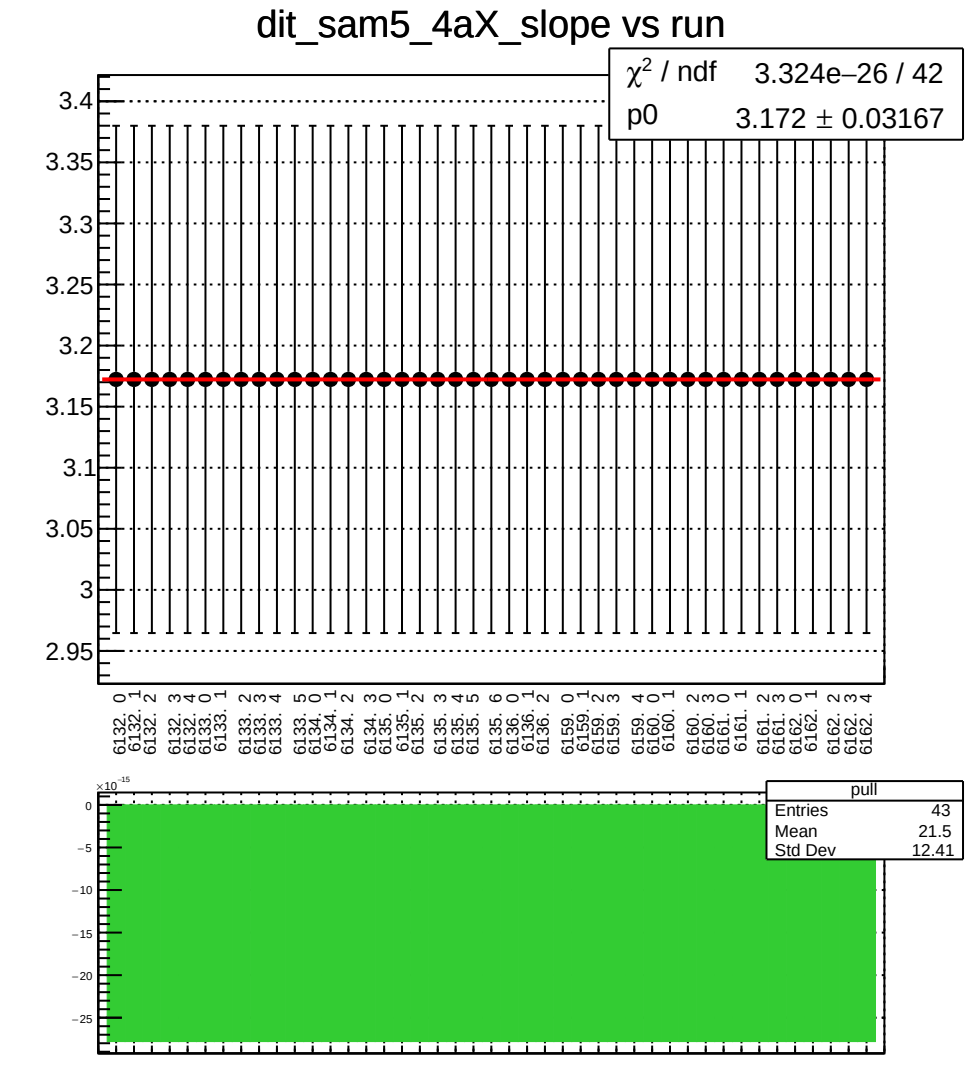

dit_sam4_11X12X_slope vs run
χ² / ndf 6.646e−28 / 42
p0 2.543 ± 0.1206
3.4
3.2
3
2.8
2.6
2.4
2.2
2
1.8
1.6
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻�15
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
−4
pull
Entries 43
Mean 21.5
Std Dev 12.41

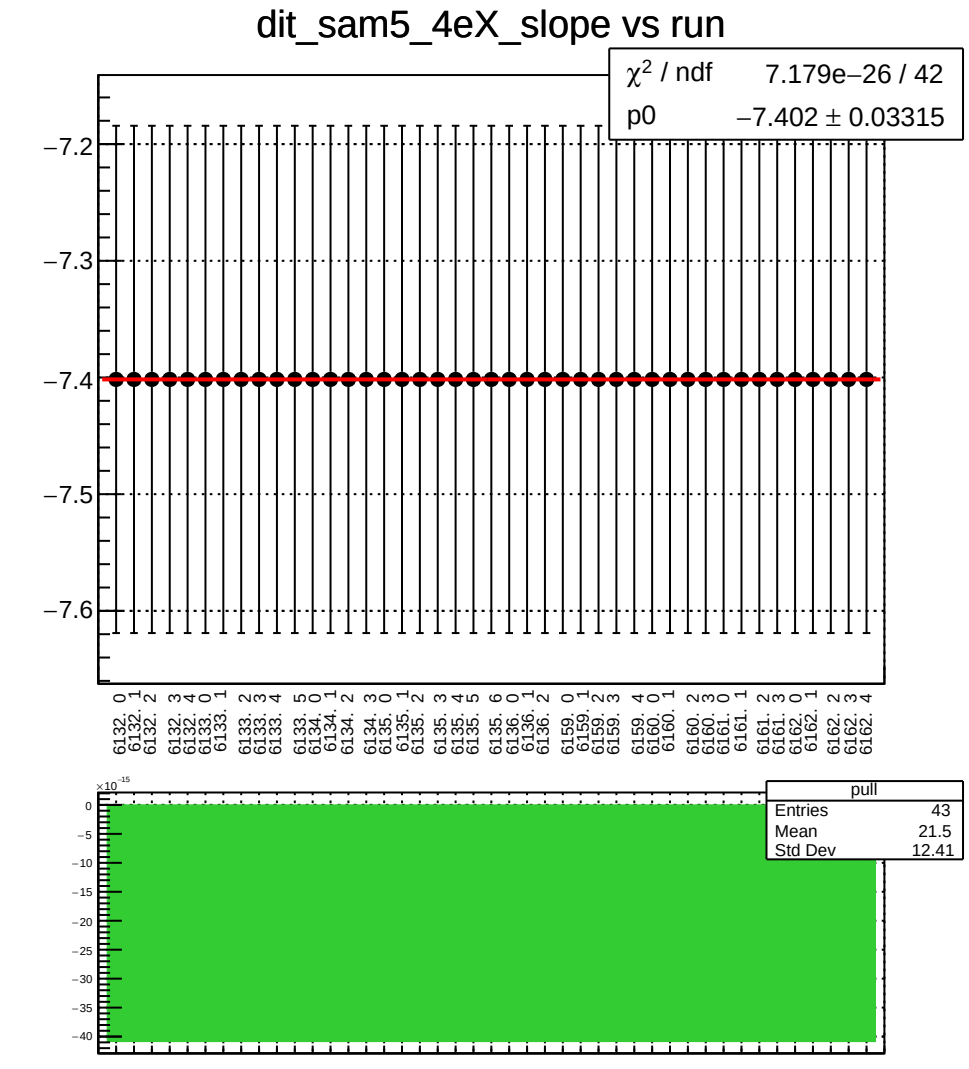

pull1D
Entries 43
Mean −3.932e−15
Std Dev1.297e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

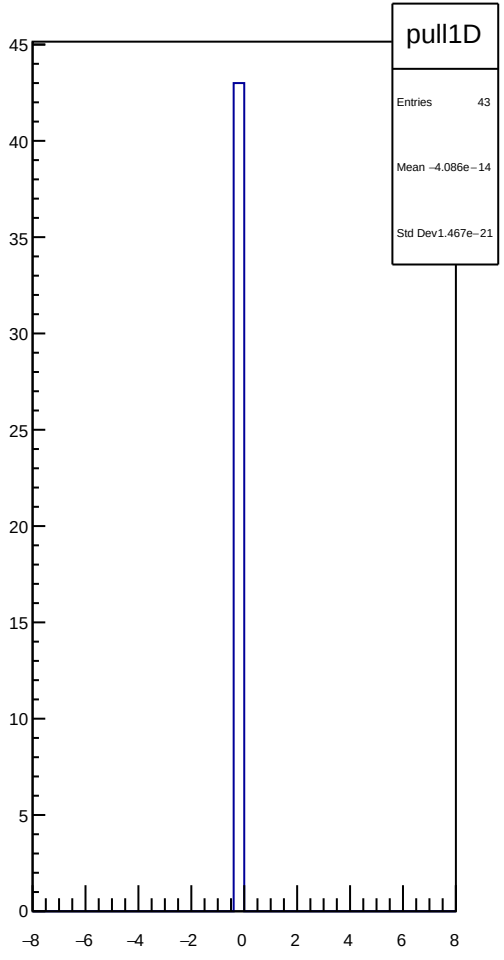

dit_sam4_4aY_slope vs run
χ² / ndf 1.392e−25 / 42
p0 −25.68 ± 0.04762
−25.4
−25.5
−25.6
−25.7
−25.8
−25.9
−26
6132. 0
6132. 1
6132. 2
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻¹⁵
50
40
30
20
10
0
pull
Entries 43
Mean 21.5
Std Dev 12.41
pull1D
Entries 43
Mean 5.689e−14
Std Dev 0
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

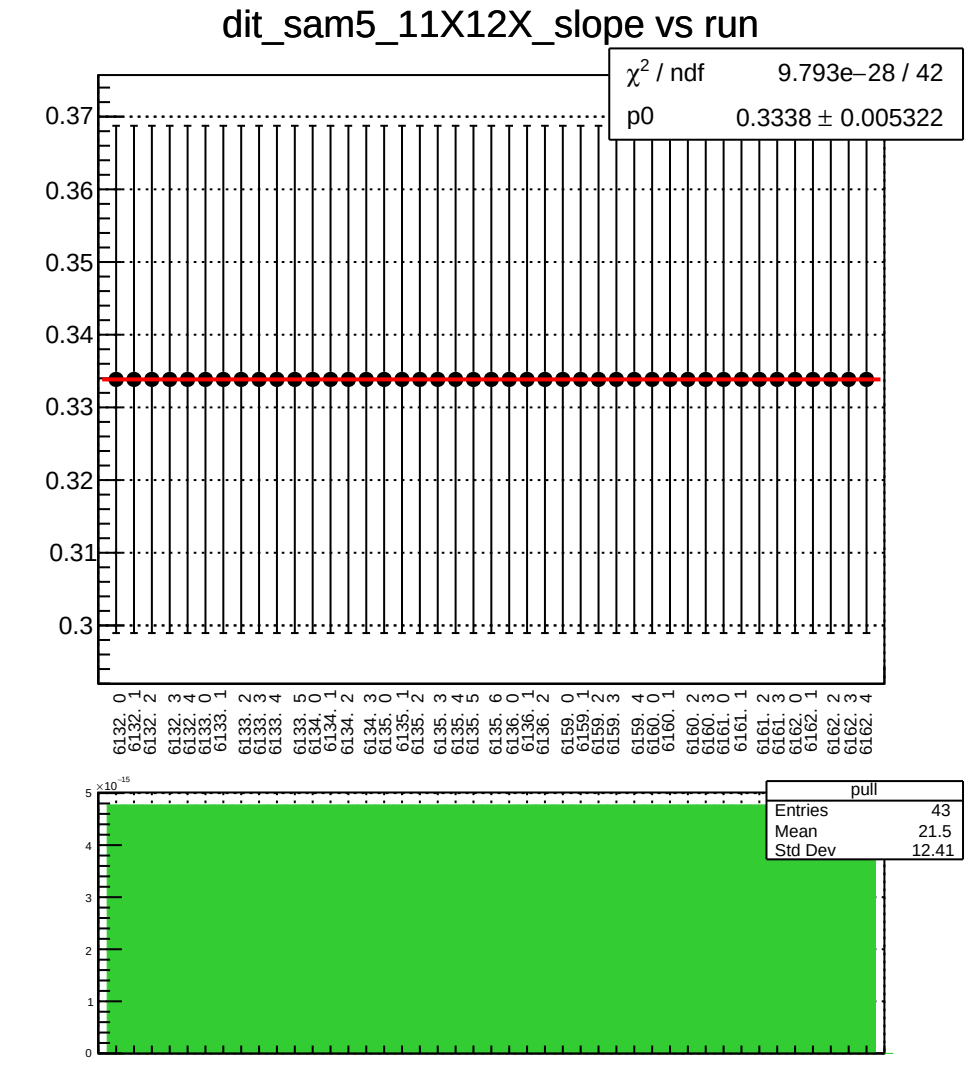

dit_sam4_4eY_slope vs run
χ² / ndf 7.824e−24 / 42
p0 299.3 ± 0.1423
300.2
300
299.8
299.6
299.4
299.2
299
298.8
298.6
298.4
298.2
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻�¹²
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
pull
Entries 43
Mean 21.5
Std Dev 12.41

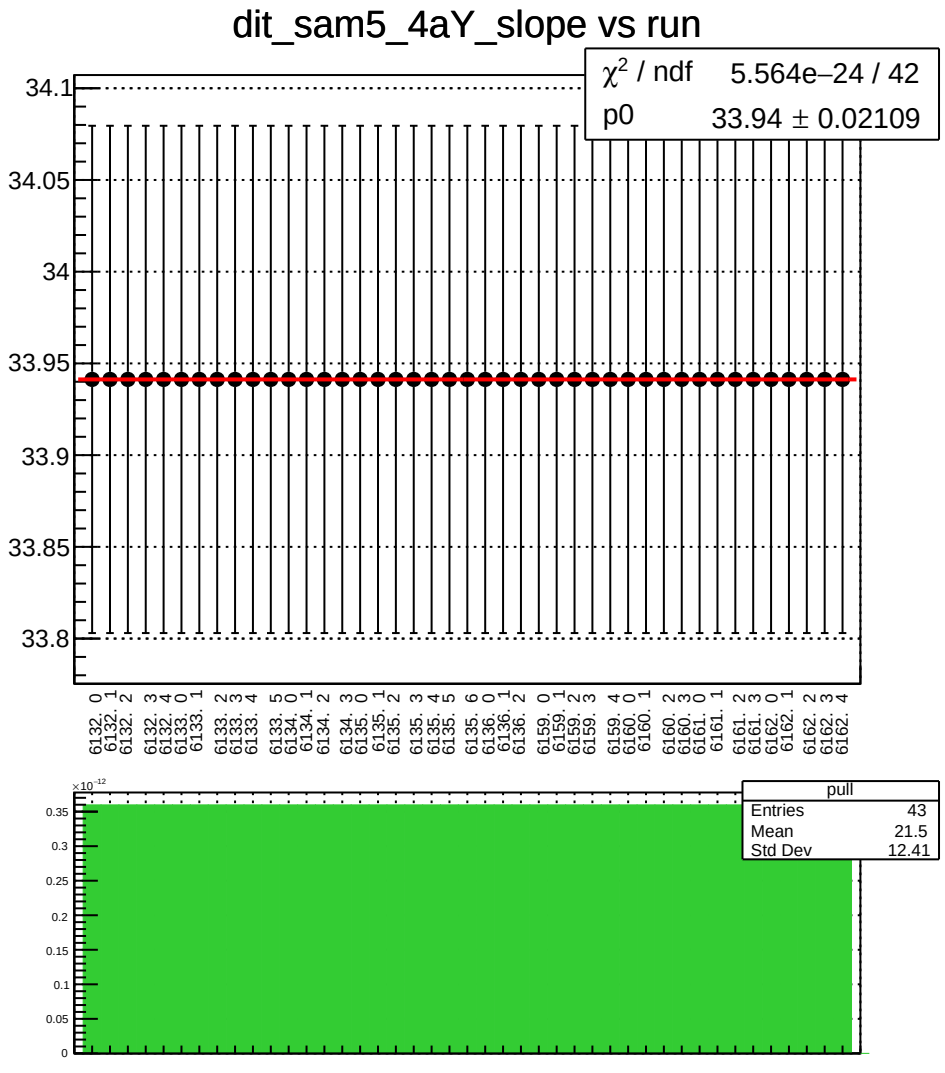

pull1D
Entries 43
Mean 4.266e−13
Std Dev1.174e−20
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

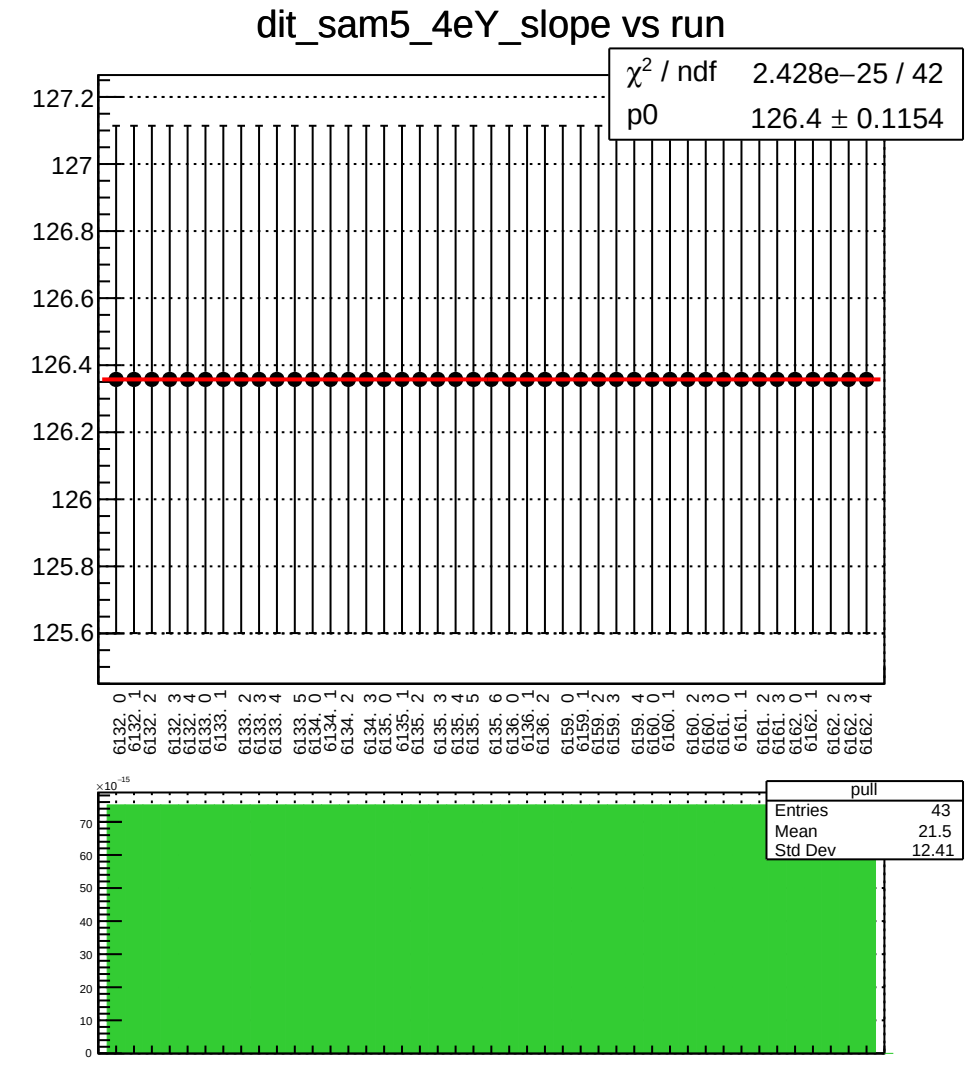

dit_sam5_4aX_slope vs run
χ² / ndf 3.324e−26 / 42
p0 3.172 ± 0.03167
3.4
3.35
3.3
3.25
3.2
3.15
3.1
3.05
3
2.95
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻�15
0
−5
−10
−15
−20
−25
pull
Entries 43
Mean 21.5
Std Dev 12.41
pull1D
Entries 43
Mean −2.78e−14
Std Dev1.121e−21
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

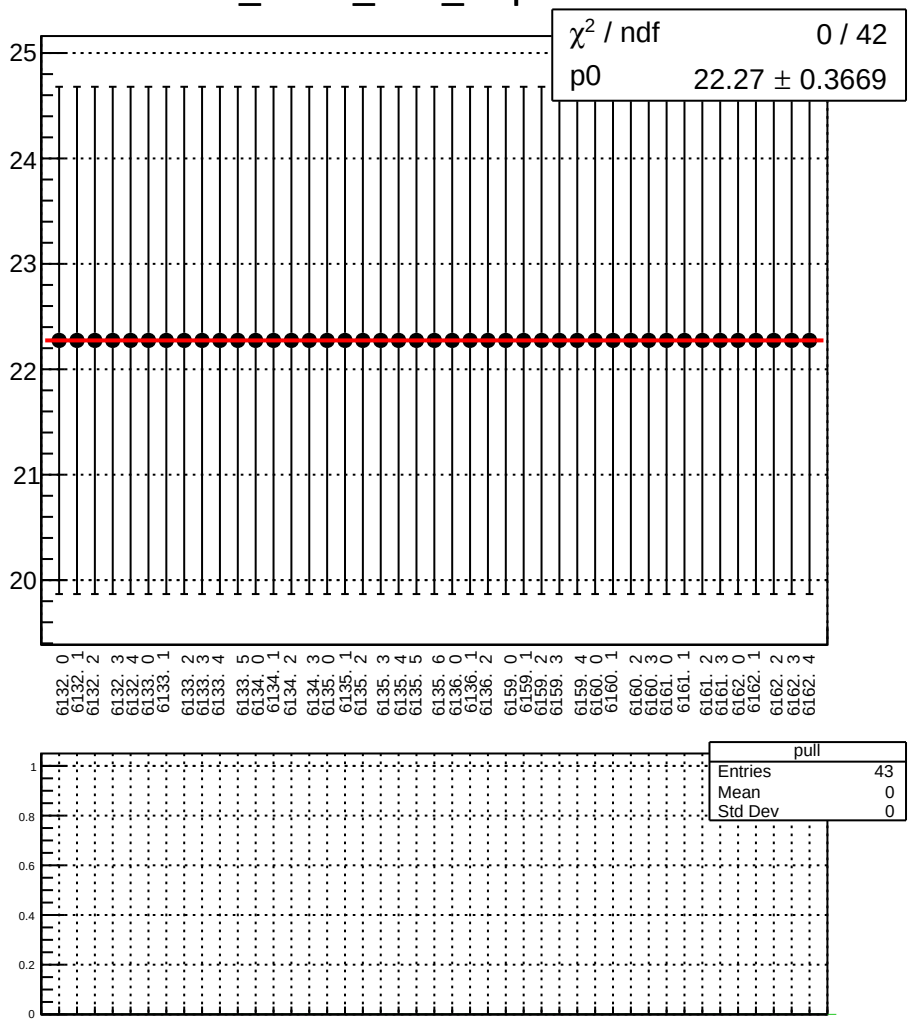

dit_sam5_4eX_slope vs run
χ² / ndf 7.179e−26 / 42
p0 −7.402 ± 0.03315
−7.2
−7.3
−7.4
−7.5
−7.6
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻�15
0
−5
−10
−15
−20
−25
−30
−35
−40
pull
Entries 43
Mean 21.5
Std Dev 12.41

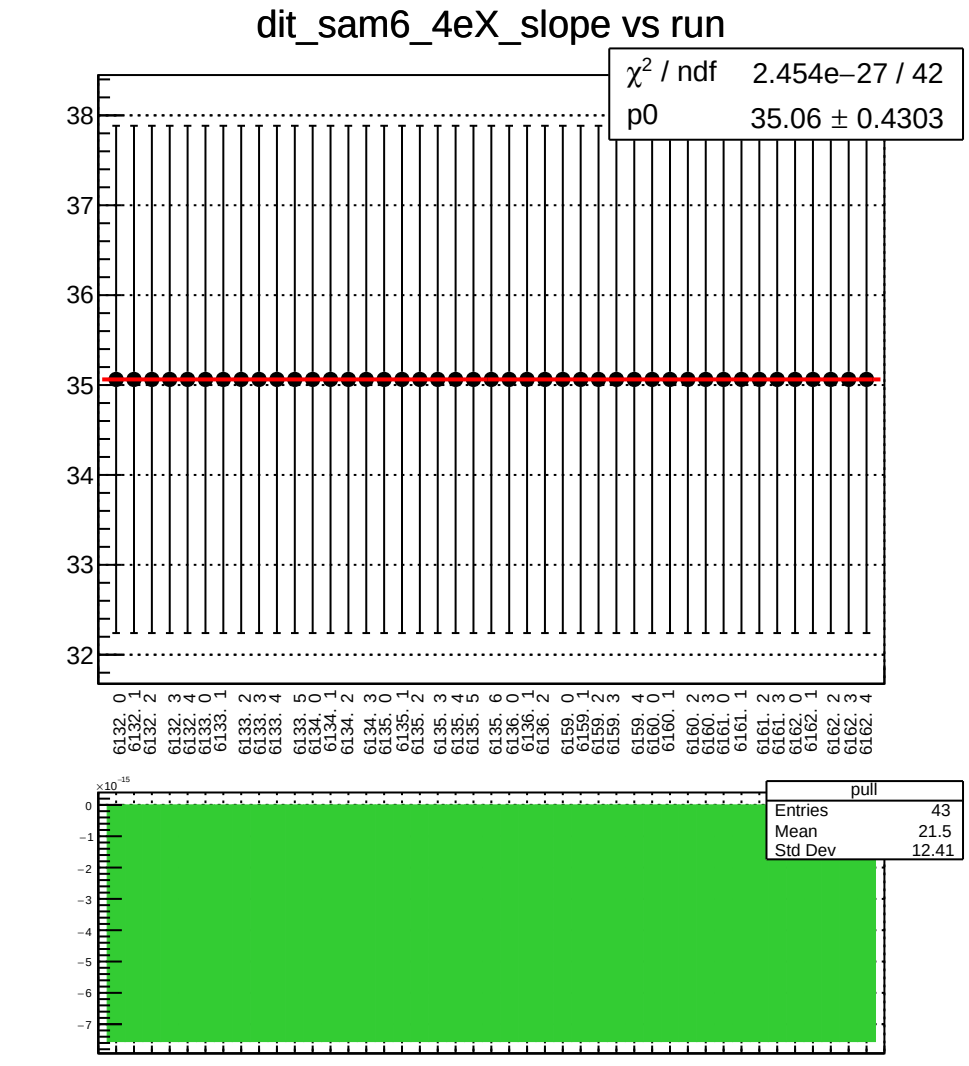

pull1D
Entries 43
Mean −4.086e−14
Std Dev1.467e−21
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

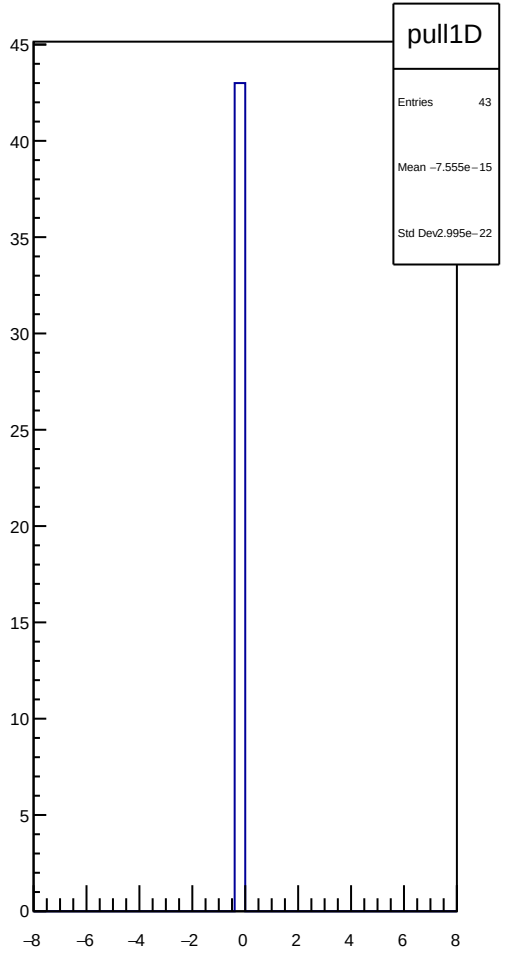

dit_sam5_11X12X_slope vs run
χ² / ndf 9.793e−28 / 42
p0 0.3338 ± 0.005322
0.37
0.36
0.35
0.34
0.33
0.32
0.31
0.3
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻¹⁵
5
4
3
2
1
0
pull
Entries 43
Mean 21.5
Std Dev 12.41
pull1D
Entries 43
Mean 4.772e−15
Std Dev 5.294e−23
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

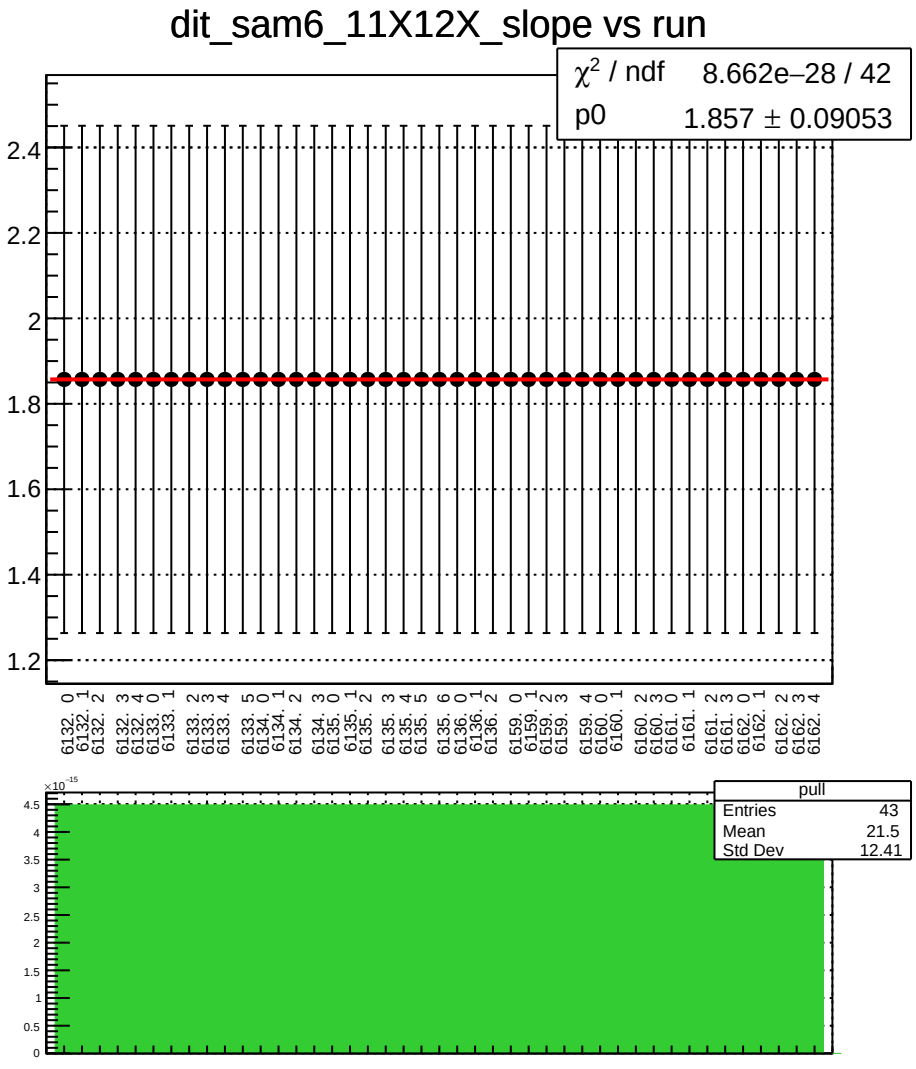

dit_sam5_4aY_slope vs run
χ² / ndf 5.564e−24 / 42
p0 33.94 ± 0.02109
34.1
34.05
34
33.95
33.9
33.85
33.8
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻¹²
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
pull
Entries 43
Mean 21.5
Std Dev 12.41
pull1D
Entries 43
Mean 3.597e−13
Std Dev1.174e−20
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

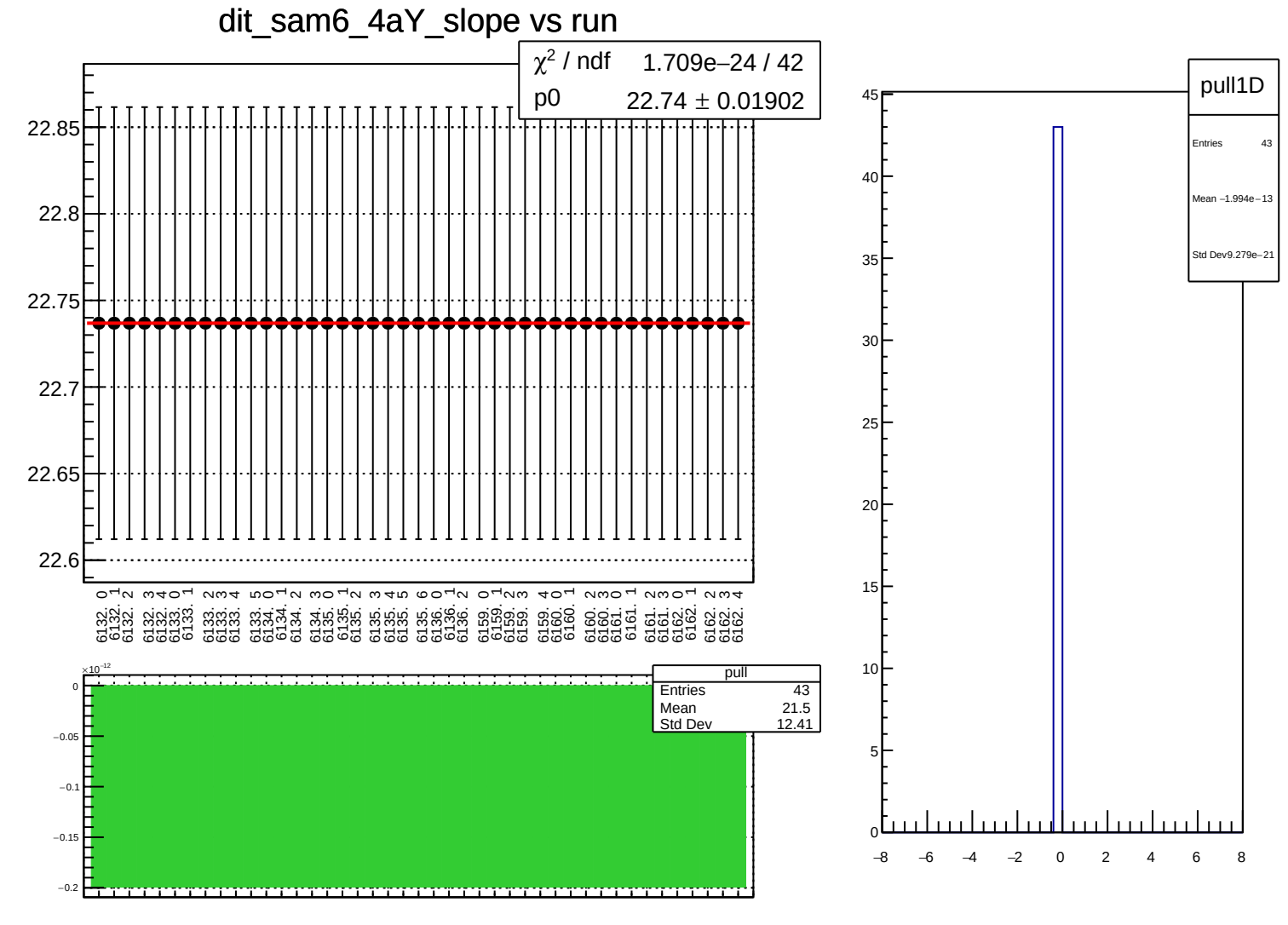

dit_sam5_4eY_slope vs run
χ² / ndf 2.428e−25 / 42
p0 126.4 ± 0.1154
127.2
127
126.8
126.6
126.4
126.2
126
125.8
125.6
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻�15
70
60
50
40
30
20
10
0
pull
Entries 43
Mean 21.5
Std Dev 12.41
pull1D
Entries 43
Mean 7.514e−14
Std Dev2.541e−21
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

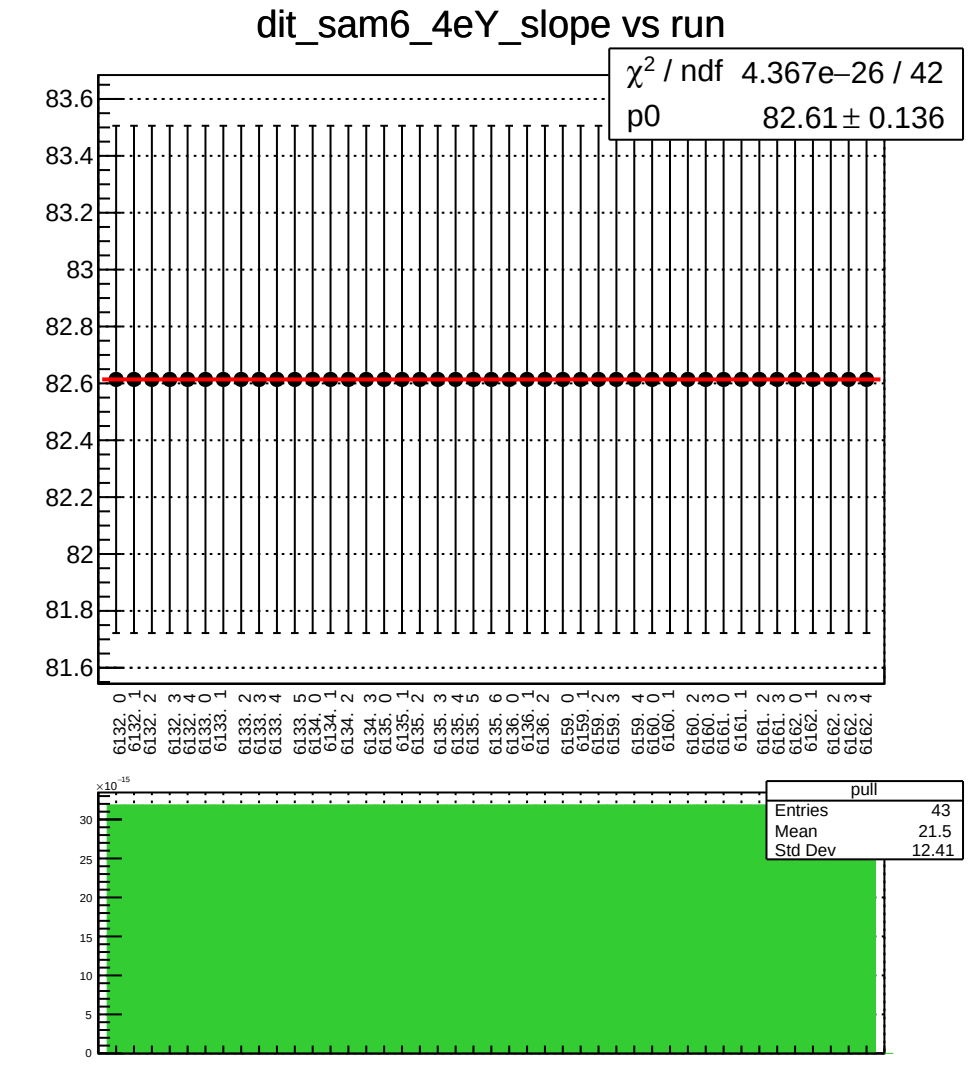

dit_sam6_4aX_slope vs run
χ² / ndf 0 / 42
p0 22.27 ± 0.3669
25
24
23
22
21
20
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 43
Mean 0
Std Dev 0
45
40
35
30
25
20
15
10
5
0
–8
–6
–4
–2
0
2
4
6
8

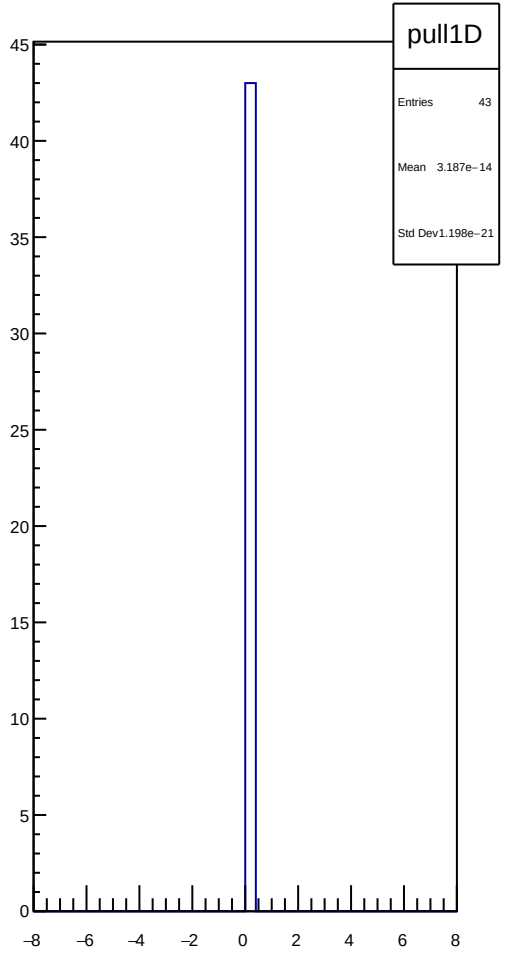

dit_sam6_4eX_slope vs run
χ² / ndf 2.454e−27 / 42
p0 35.06 ± 0.4303
38
37
36
35
34
33
32
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻�15
0
−1
−2
−3
−4
−5
−6
−7
pull
Entries 43
Mean 21.5
Std Dev 12.41

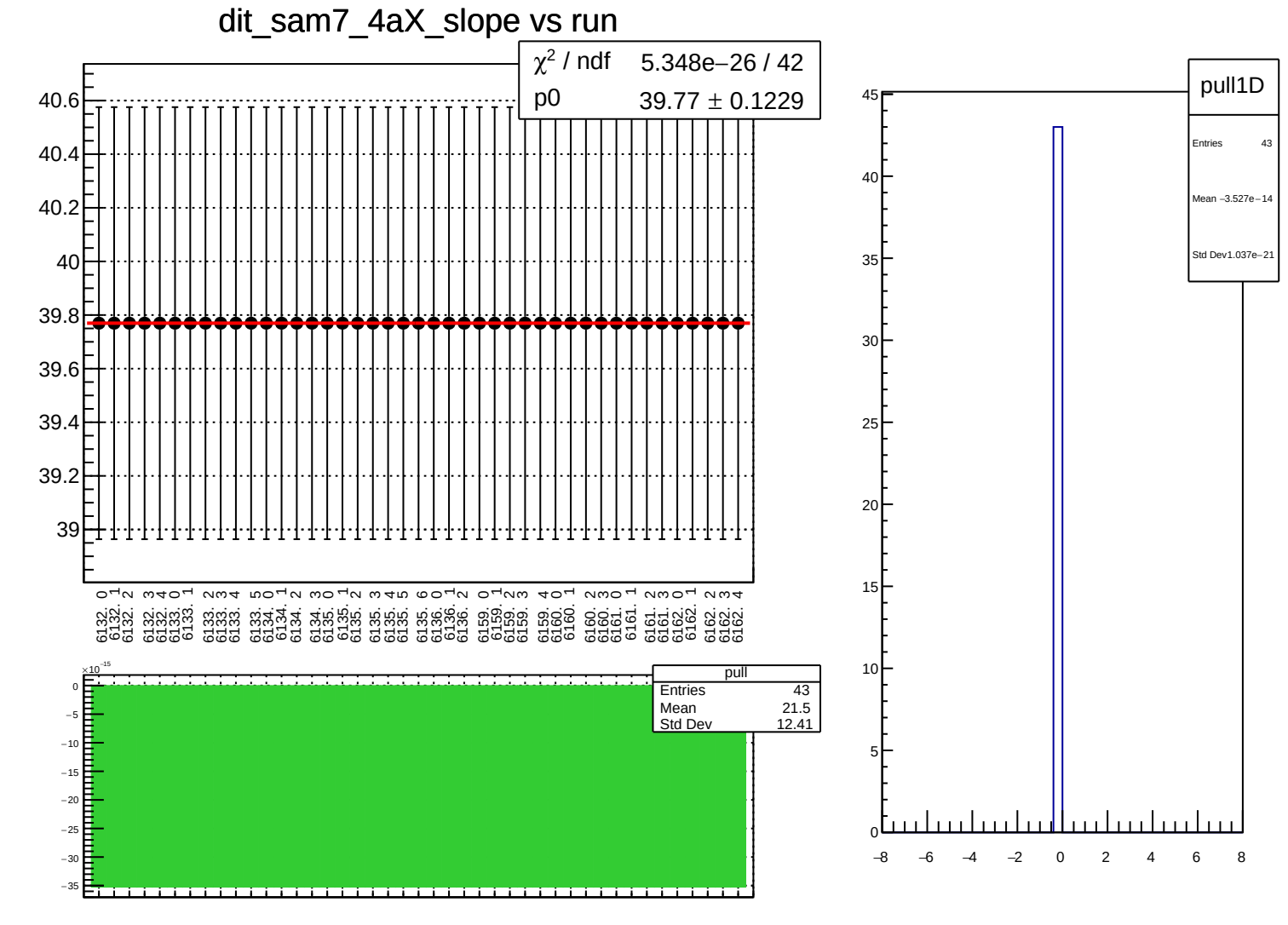

pull1D
Entries 43
Mean −7.555e−15
Std Dev 2.995e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

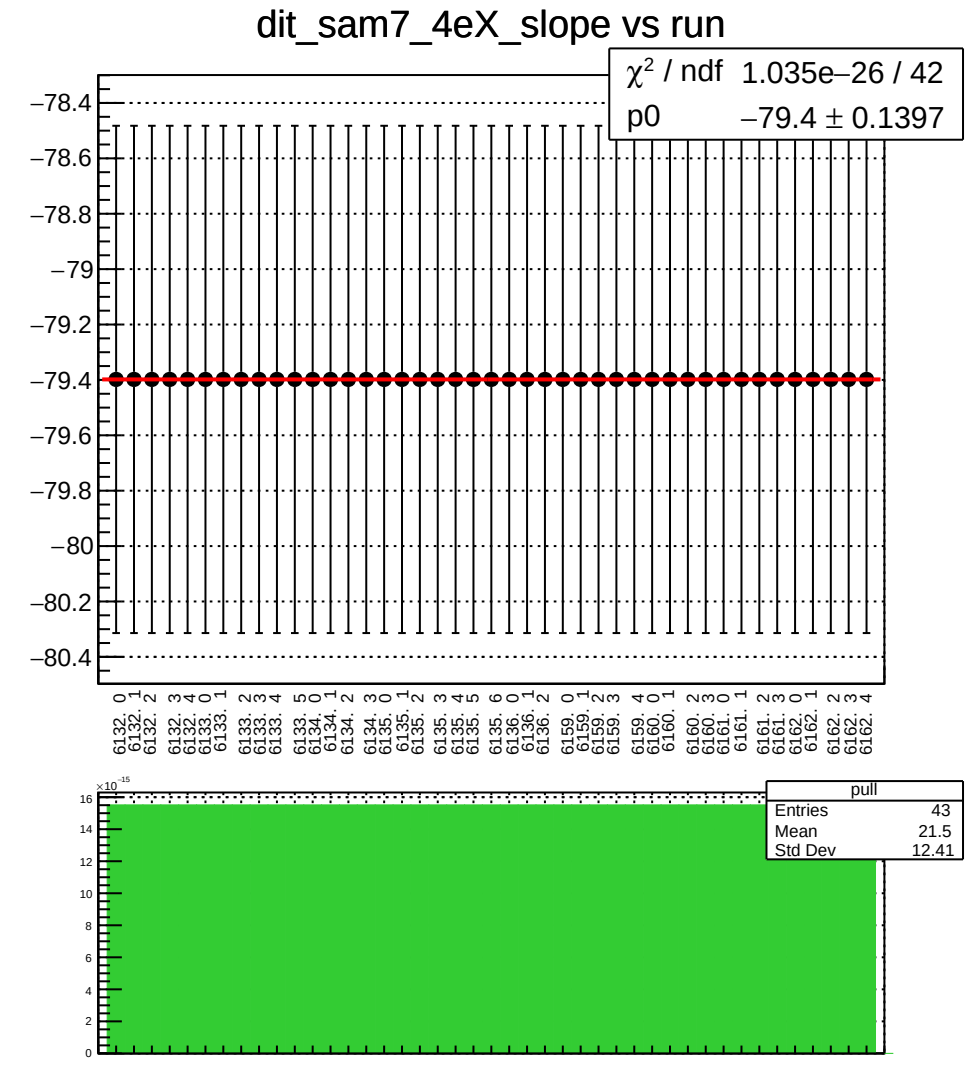

dit_sam6_11X12X_slope vs run
χ² / ndf 8.662e−28 / 42
p0 1.857 ± 0.09053
2.4
2.2
2
1.8
1.6
1.4
1.2
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻�15
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
pull
Entries 43
Mean 21.5
Std Dev 12.41
pull1D
Entries 43
Mean 4.488e−15
Std Dev 1.588e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

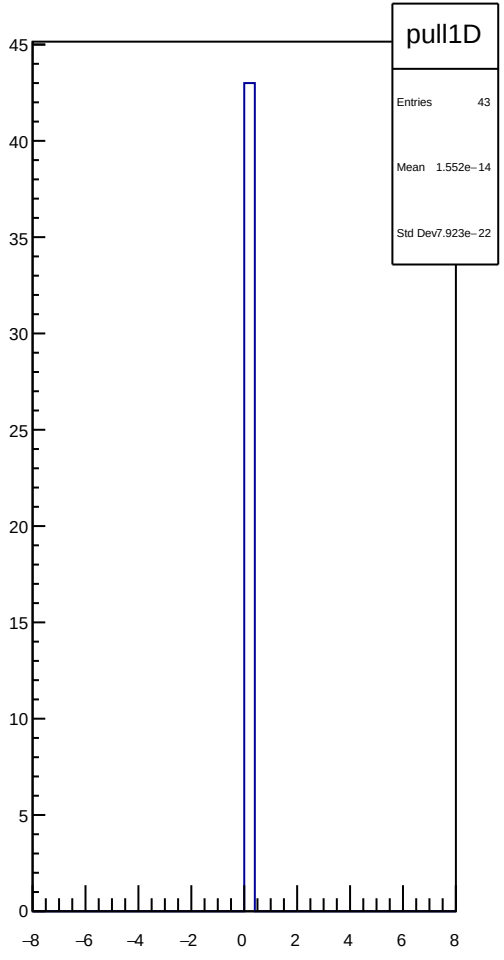

dit_sam6_4aY_slope vs run
χ² / ndf 1.709e−24 / 42
p0 22.74 ± 0.01902
22.85
22.8
22.75
22.7
22.65
22.6
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
pull
Entries 43
Mean 21.5
Std Dev 12.41
pull1D
Entries 43
Mean −1.994e−13
Std Dev9.279e−21
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

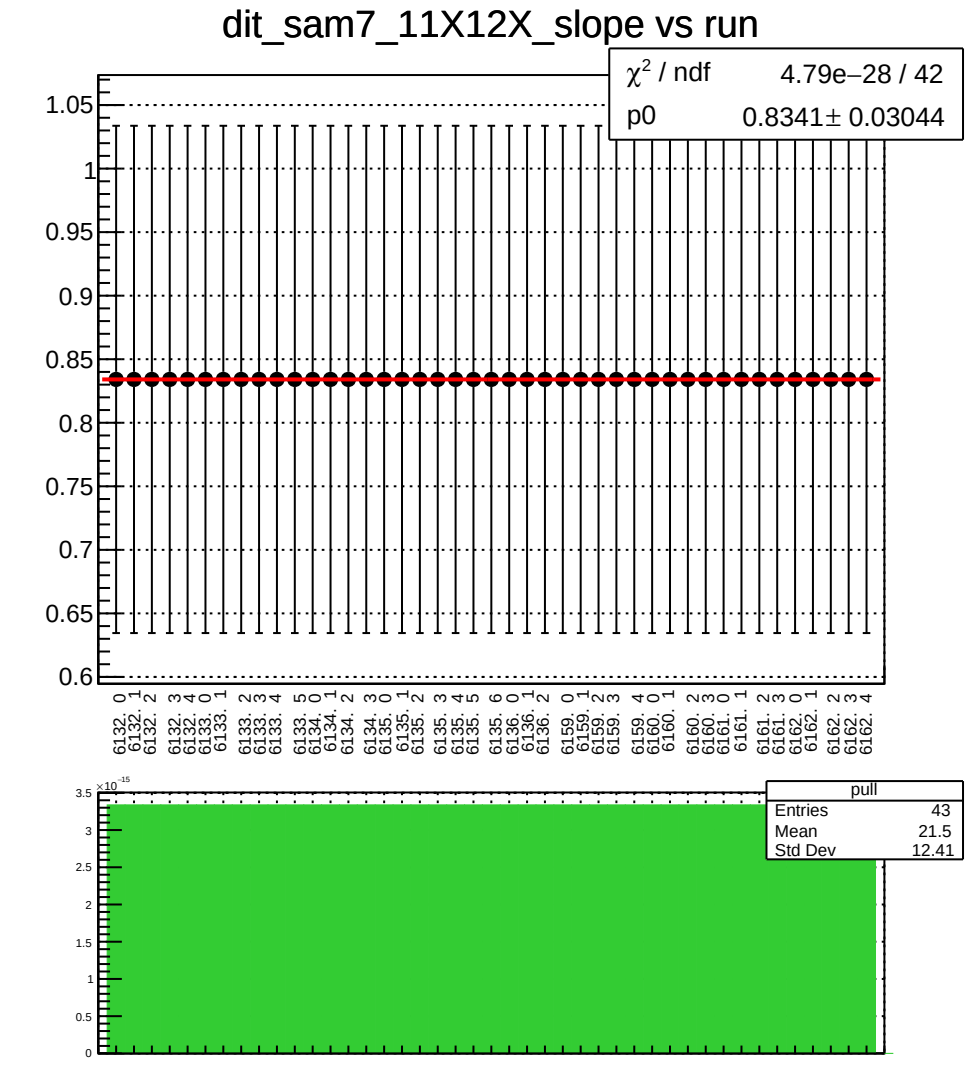

dit_sam6_4eY_slope vs run
χ² / ndf 4.367e−26 / 42
p0 82.61 ± 0.136
83.6
83.4
83.2
83
82.8
82.6
82.4
82.2
82
81.8
81.6
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻�15
30
25
20
15
10
5
0
pull
Entries 43
Mean 21.5
Std Dev 12.41

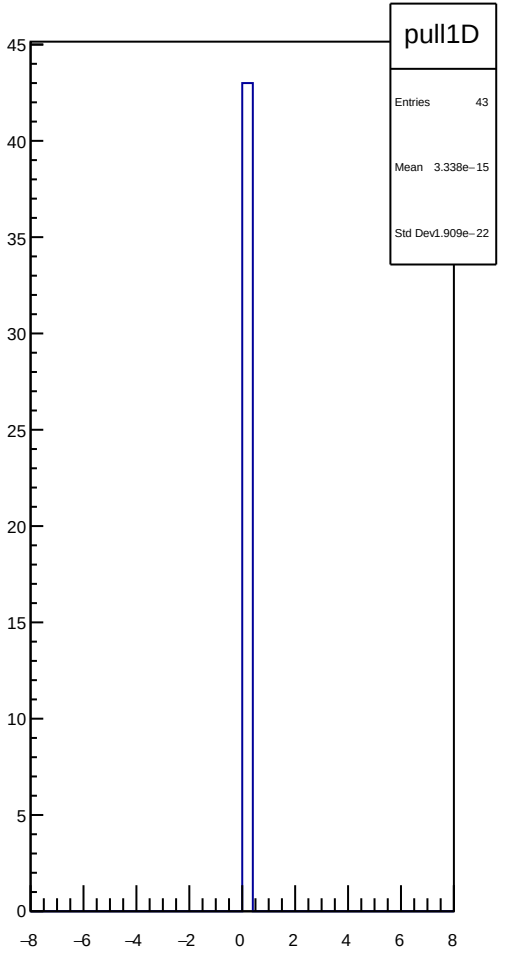

pull1D
Entries 43
Mean 3.187e−14
Std Dev1.198e−21
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

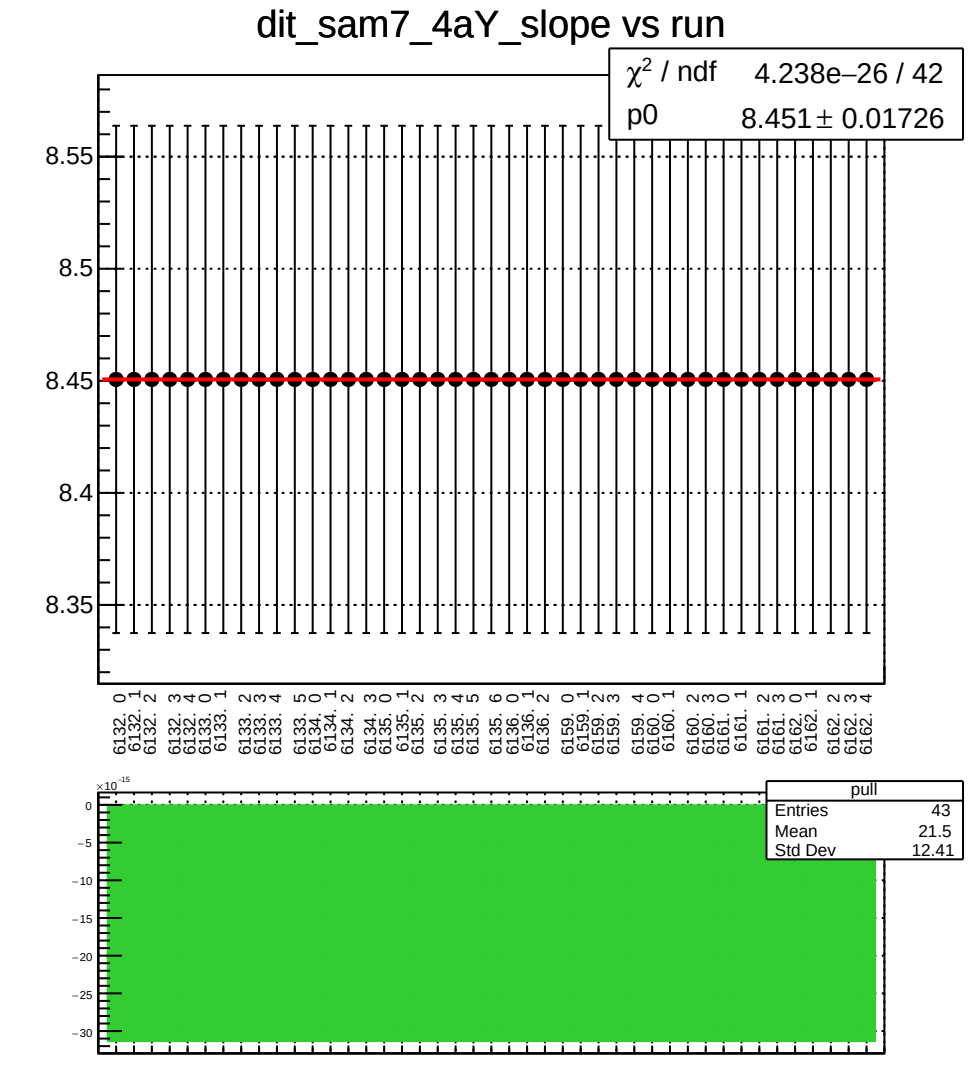

dit_sam7_4aX_slope vs run
χ² / ndf 5.348e−26 / 42
p0 39.77 ± 0.1229
40.6
40.4
40.2
40
39.8
39.6
39.4
39.2
39
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻�15
0
−5
−10
−15
−20
−25
−30
−35
pull
Entries 43
Mean 21.5
Std Dev 12.41
pull1D
Entries 43
Mean −3.527e−14
Std Dev1.037e−21
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

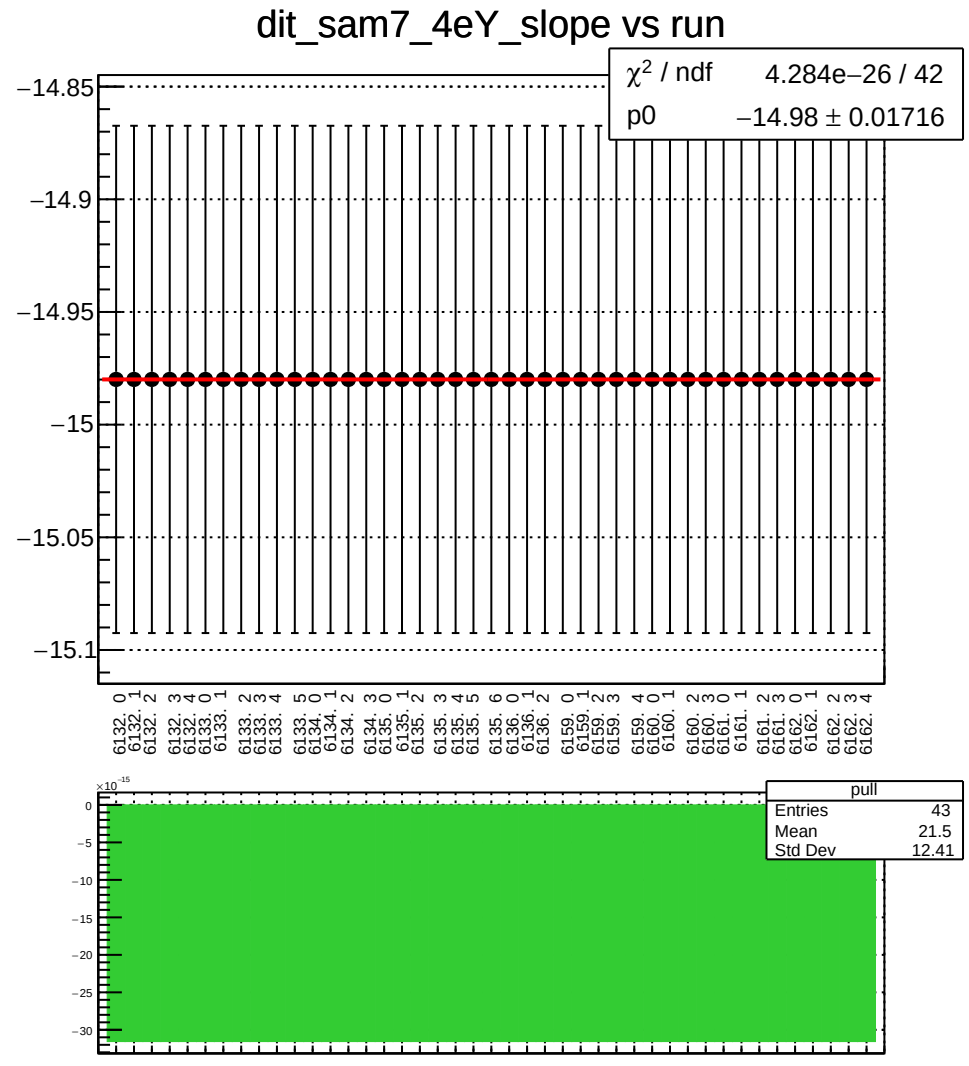

dit_sam7_4eX_slope vs run
χ² / ndf 1.035e−26 / 42
p0 −79.4 ± 0.1397
−78.4
−78.6
−78.8
−79
−79.2
−79.4
−79.6
−79.8
−80
−80.2
−80.4
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻�15
16
14
12
10
8
6
4
2
0
pull
Entries 43
Mean 21.5
Std Dev 12.41

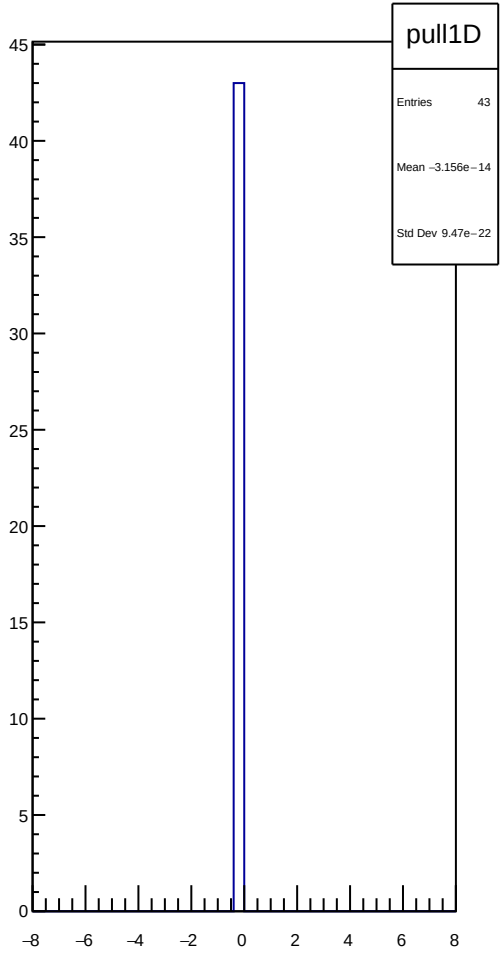

pull1D
Entries 43
Mean 1.552e−14
Std Dev7.923e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

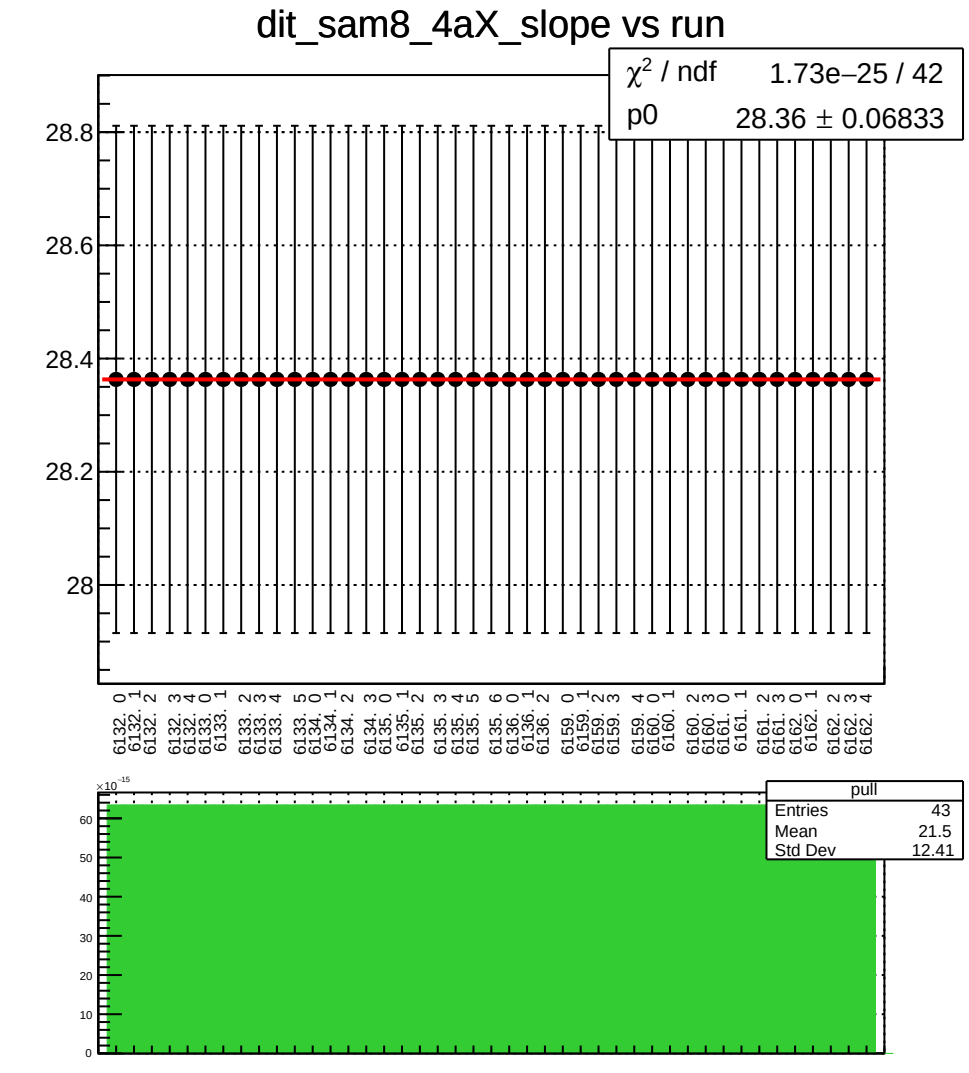

dit_sam7_11X12X_slope vs run
χ² / ndf 4.79e−28 / 42
p0 0.8341± 0.03044
1.05
1
0.95
0.9
0.85
0.8
0.75
0.7
0.65
0.6
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻�15
3.5
3
2.5
2
1.5
1
0.5
0
pull
Entries 43
Mean 21.5
Std Dev 12.41

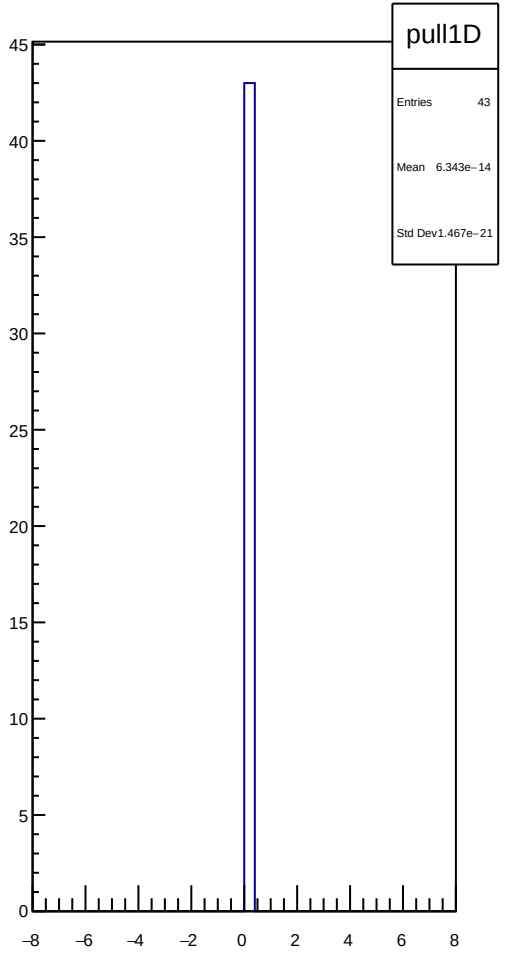

pull1D
Entries 43
Mean 3.338e−15
Std Dev1.909e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

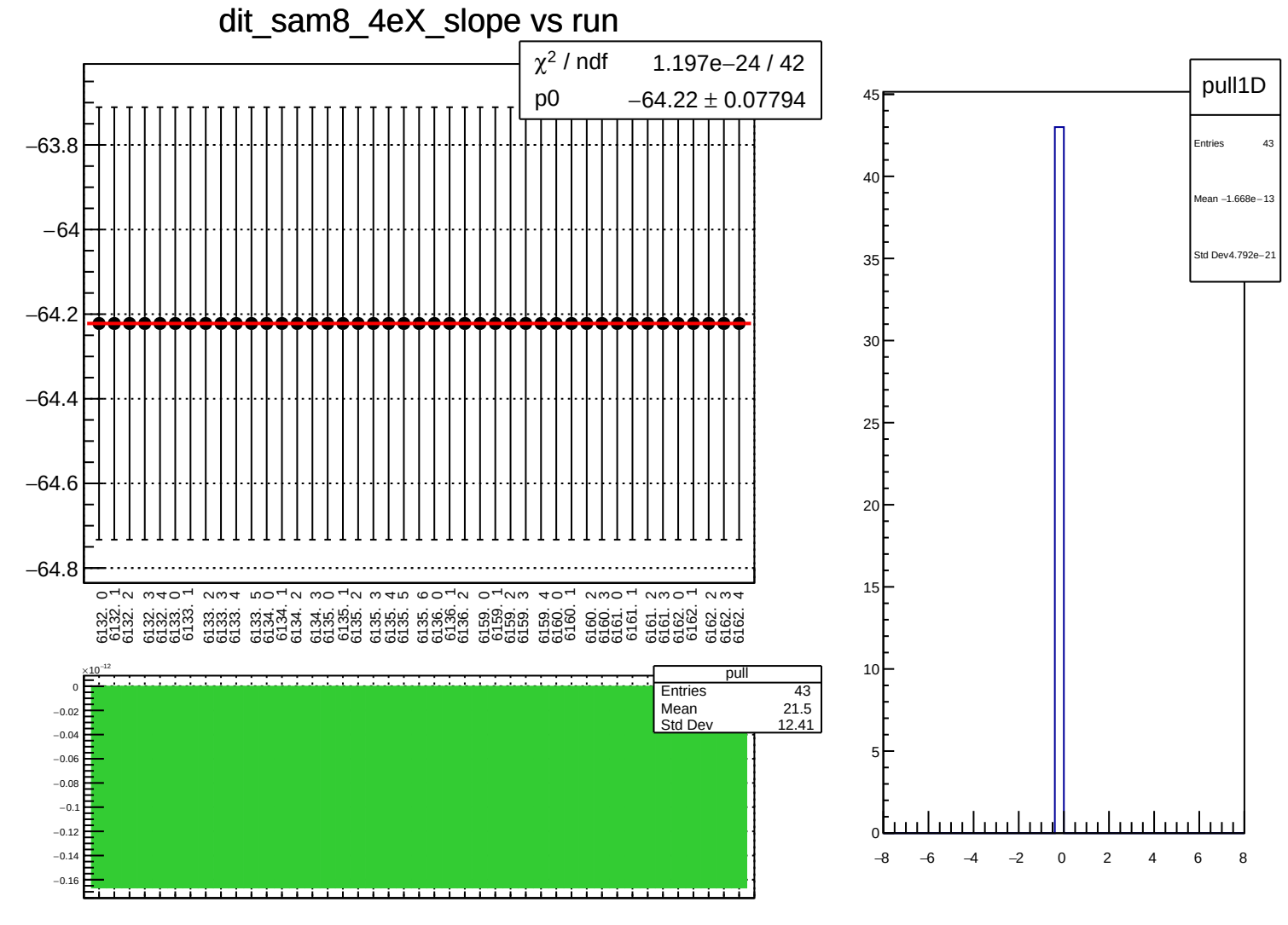

dit_sam7_4aY_slope vs run
χ² / ndf 4.238e−26 / 42
p0 8.451 ± 0.01726
8.55
8.5
8.45
8.4
8.35
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻�15
0
−5
−10
−15
−20
−25
−30
pull
Entries 43
Mean 21.5
Std Dev 12.41
pull1D
Entries 43
Mean −3.139e−14
Std Dev1.037e−21
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

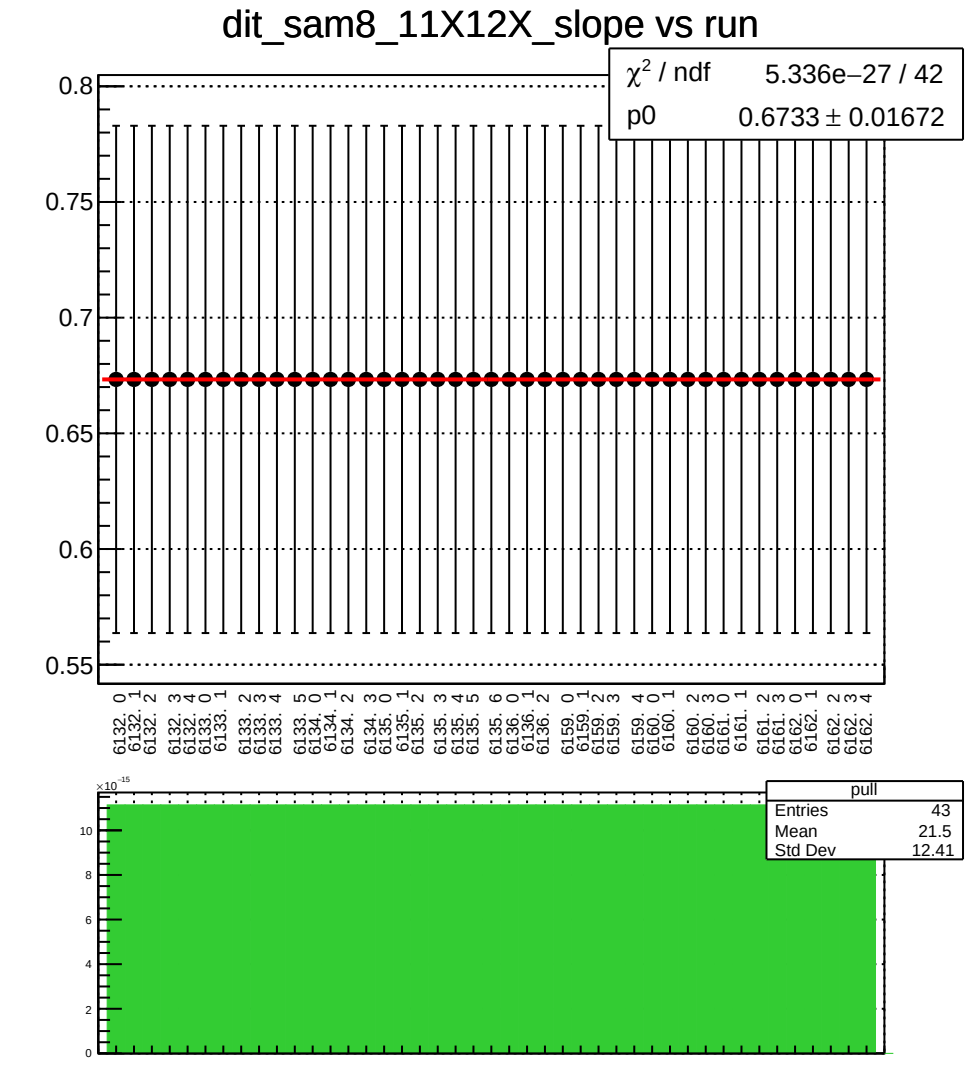

dit_sam7_4eY_slope vs run
χ² / ndf 4.284e−26 / 42
p0 −14.98 ± 0.01716
−14.85
−14.9
−14.95
−15
−15.05
−15.1
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻�15
0
−5
−10
−15
−20
−25
−30
pull
Entries 43
Mean 21.5
Std Dev 12.41

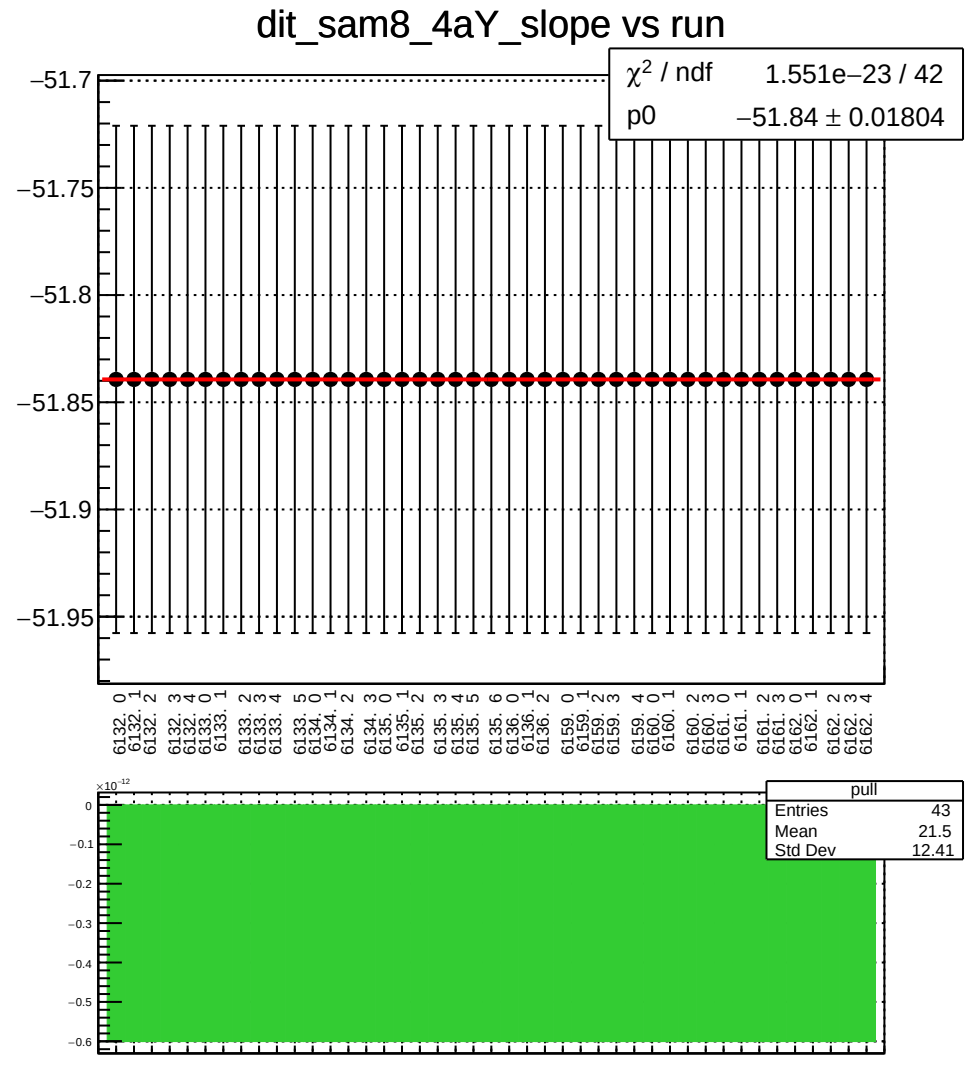

pull1D
Entries 43
Mean −3.156e−14
Std Dev 9.47e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

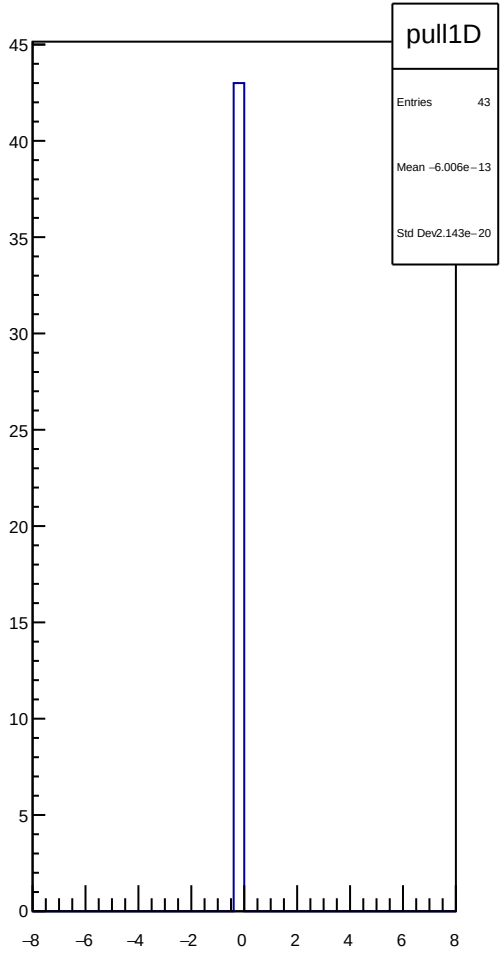

dit_sam8_4aX_slope vs run
χ² / ndf 1.73e−25 / 42
p0 28.36 ± 0.06833
28.8
28.6
28.4
28.2
28
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻¹⁵
60
50
40
30
20
10
0
pull
Entries 43
Mean 21.5
Std Dev 12.41

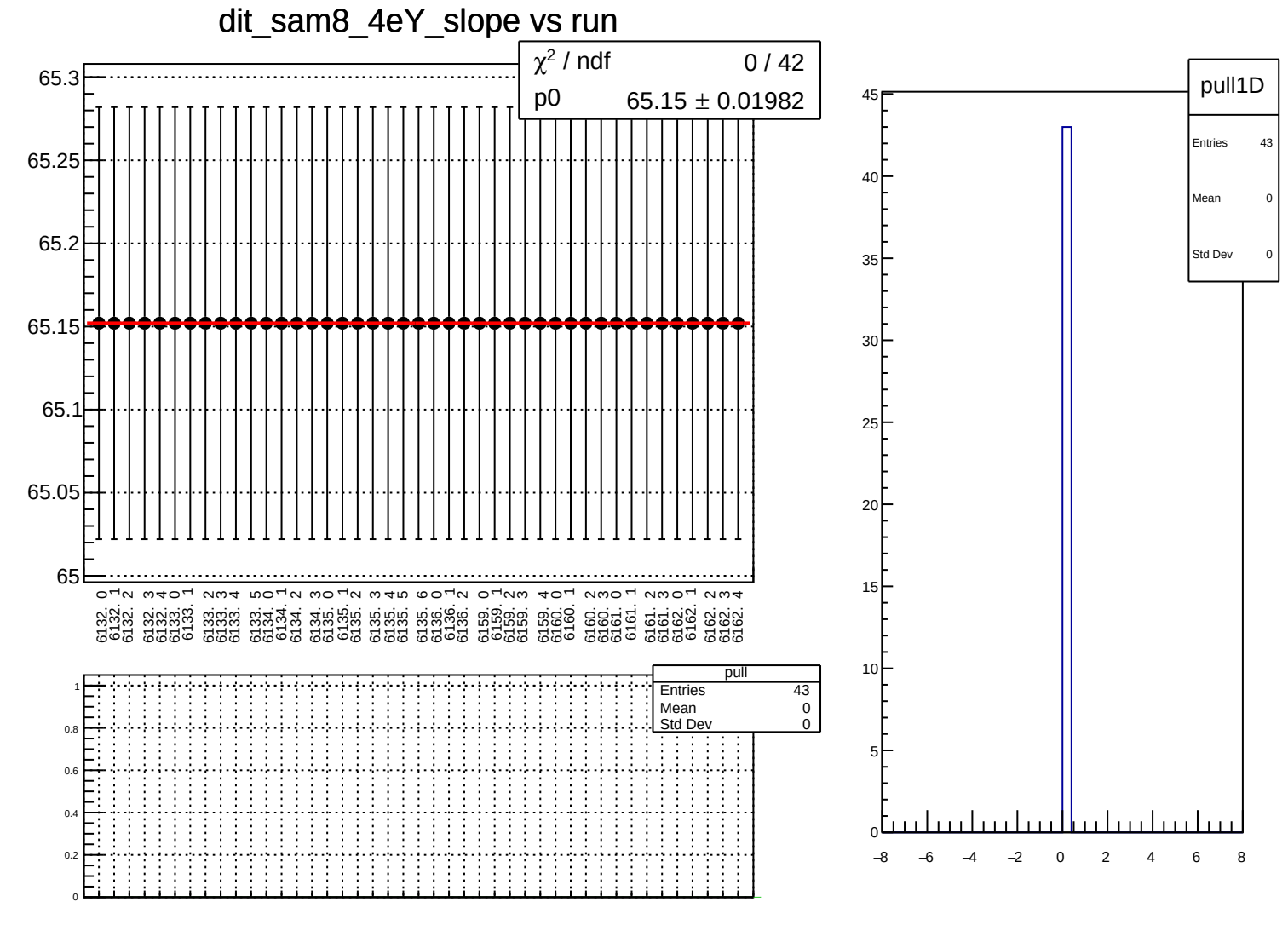

pull1D
Entries 43
Mean 6.343e−14
Std Dev1.467e−21
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

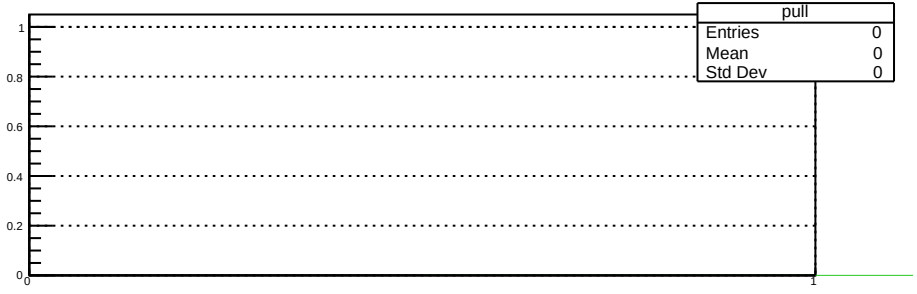

dit_sam8_4eX_slope vs run
χ² / ndf 1.197e−24 / 42
p0 −64.22 ± 0.07794
−63.8
−64
−64.2
−64.4
−64.6
−64.8
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
pull
Entries 43
Mean 21.5
Std Dev 12.41
pull1D
Entries 43
Mean −1.668e−13
Std Dev4.792e−21
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

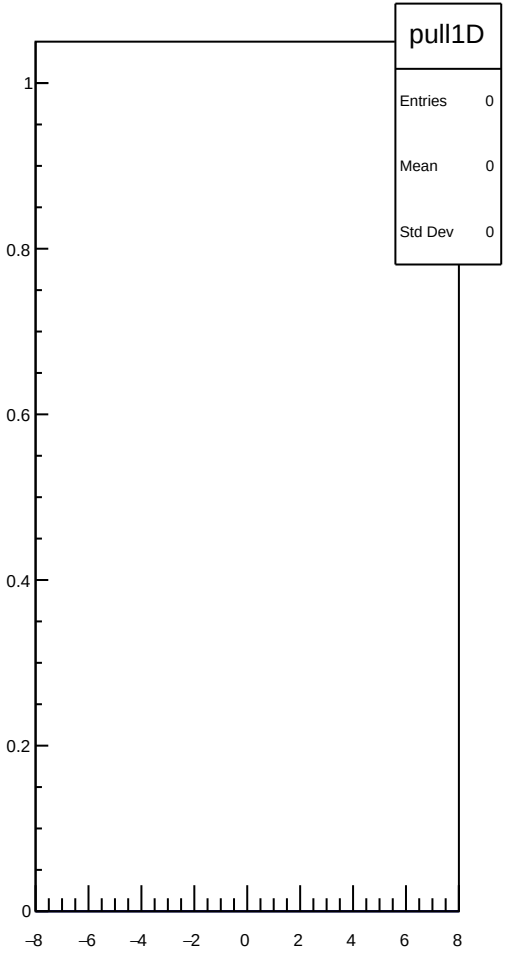

dit_sam8_11X12X_slope vs run
χ² / ndf 5.336e−27 / 42
p0 0.6733 ± 0.01672
0.8
0.75
0.7
0.65
0.6
0.55
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻¹⁵
10
8
6
4
2
0
pull
Entries 43
Mean 21.5
Std Dev 12.41
pull1D
Entries 43
Mean 1.114e−14
Std Dev3.348e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

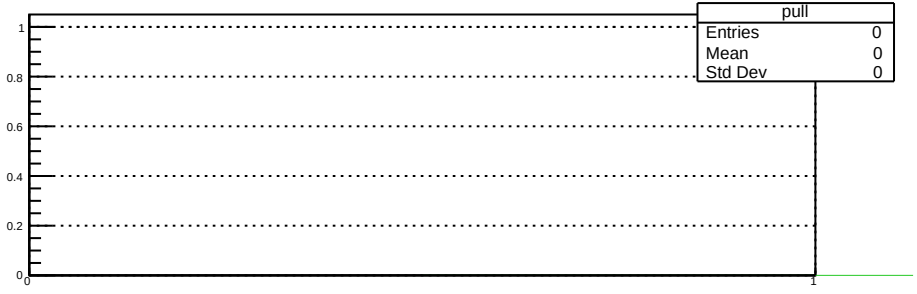

dit_sam8_4aY_slope vs run
χ² / ndf 1.551e−23 / 42
p0 −51.84 ± 0.01804
−51.7
−51.75
−51.8
−51.85
−51.9
−51.95
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
pull
Entries 43
Mean 21.5
Std Dev 12.41

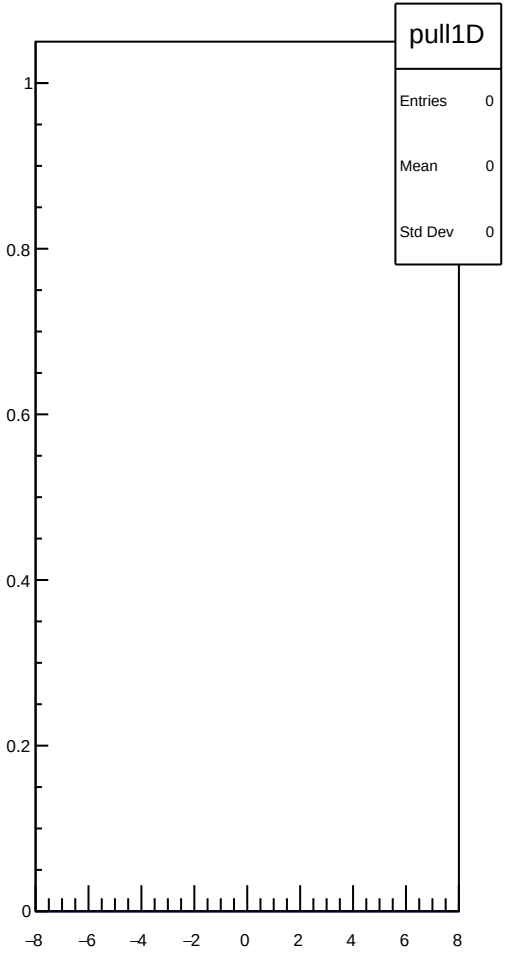

pull1D
Entries 43
Mean −6.006e−13
Std Dev2.143e−20
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

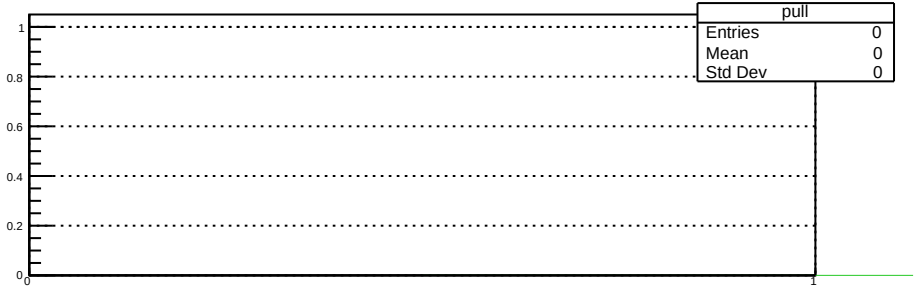

dit_sam8_4eY_slope vs run
χ² / ndf 0 / 42
p0 65.15 ± 0.01982
65.3
65.25
65.2
65.15
65.1
65.05
65
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 43
Mean 0
Std Dev 0
45
40
35
30
25
20
15
10
5
0
–8
–6
–4
–2
0
2
4
6
8

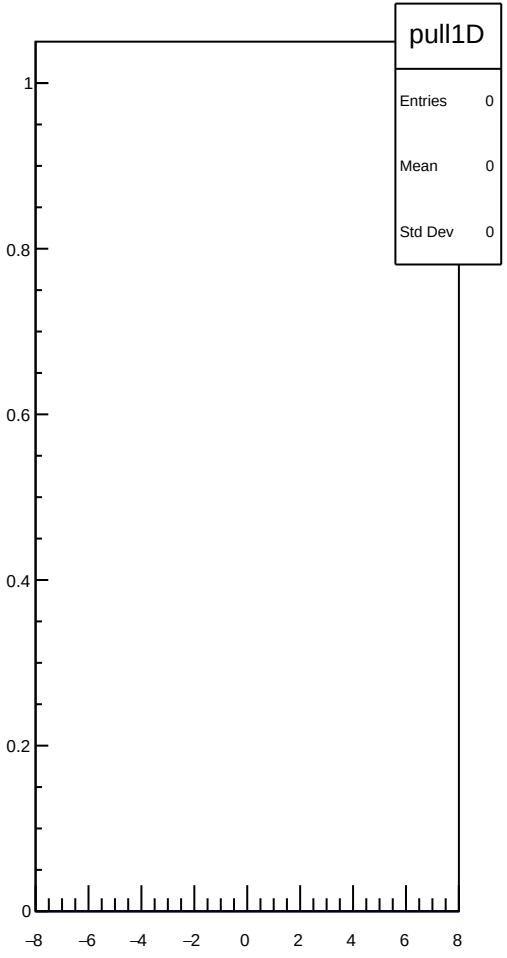

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

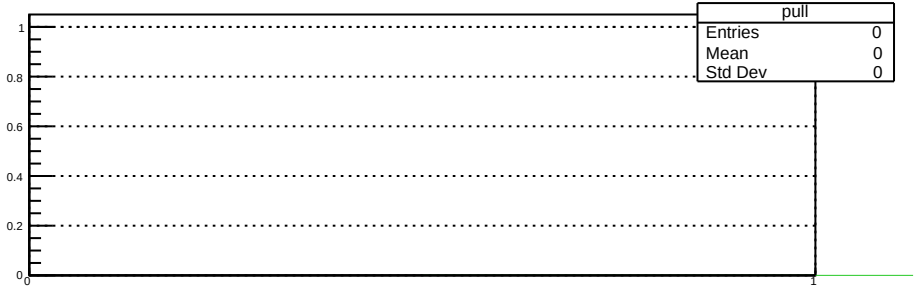

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

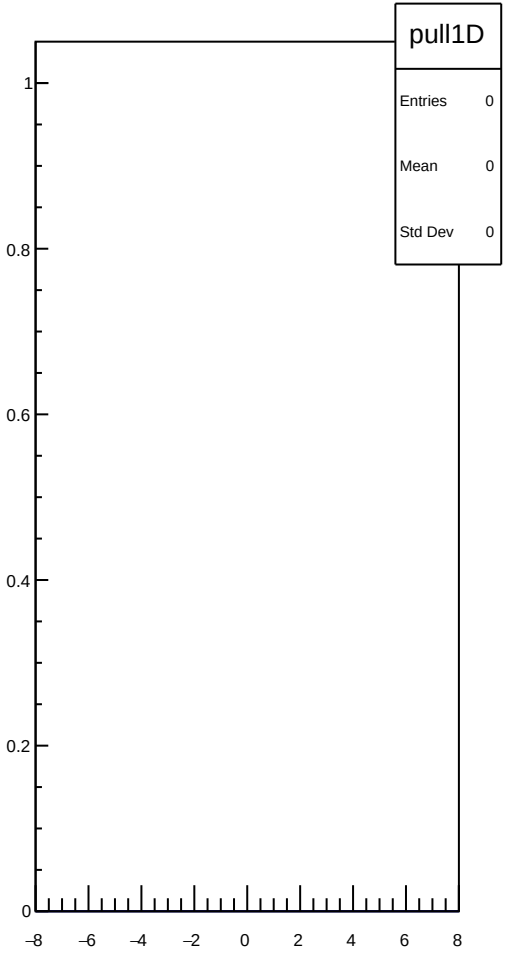

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

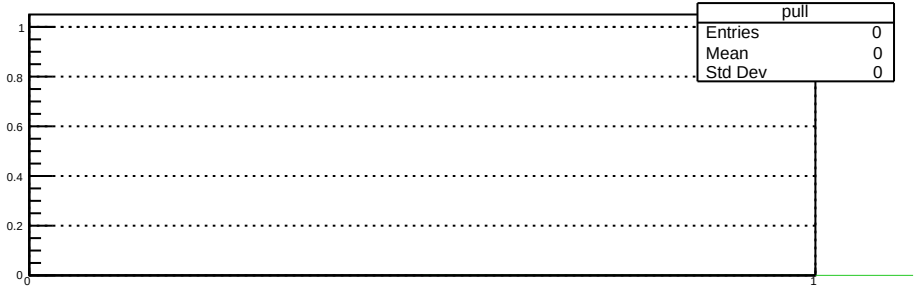

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

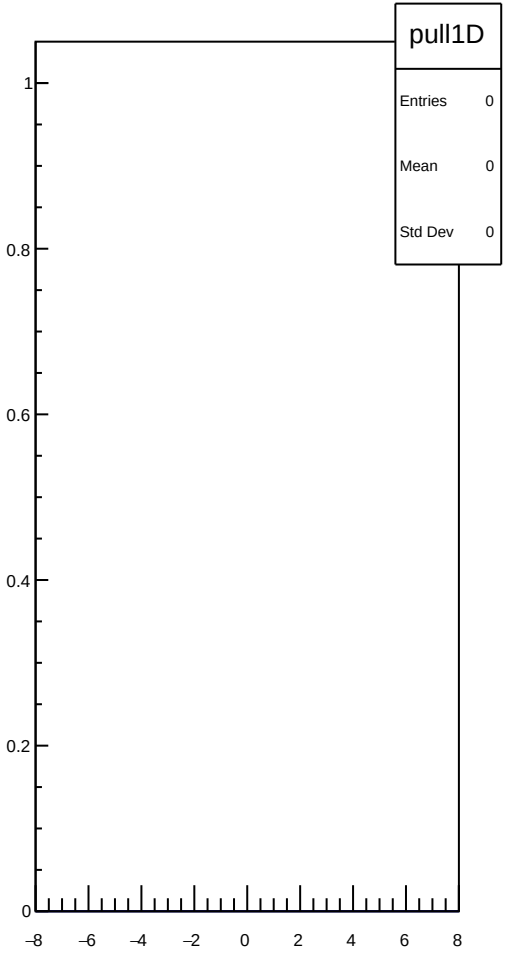

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

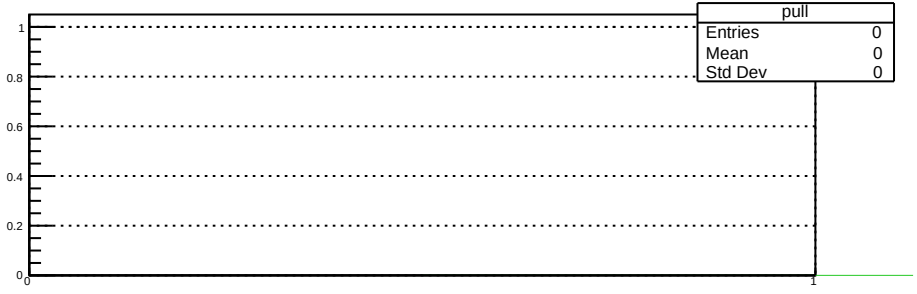

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

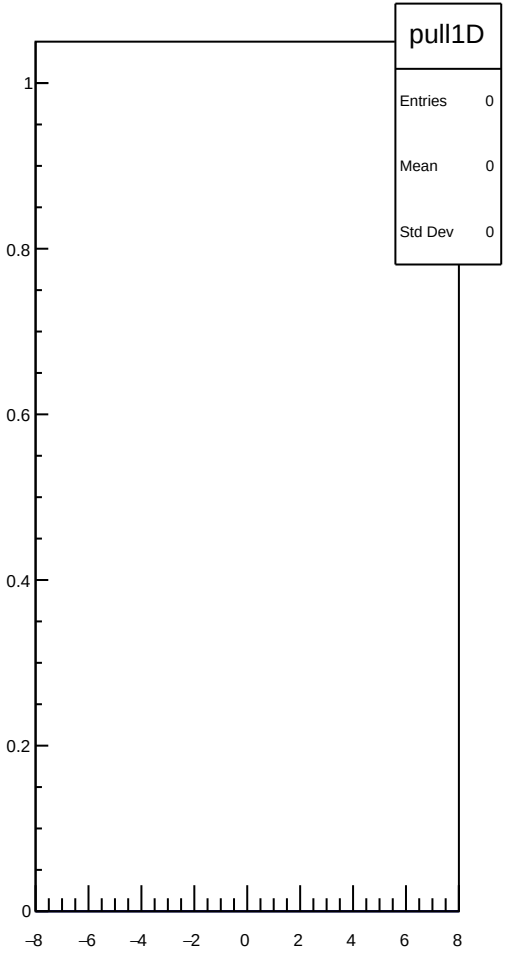

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

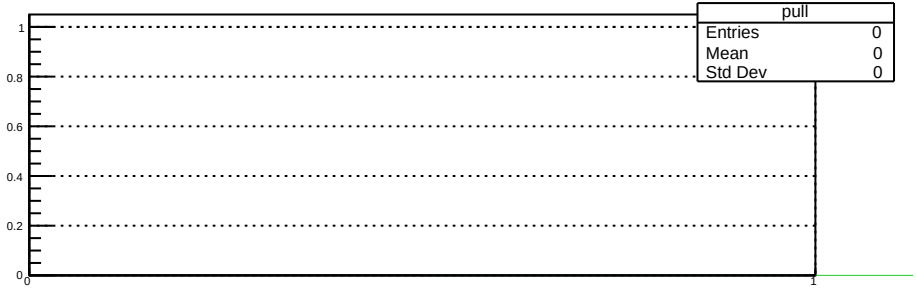

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

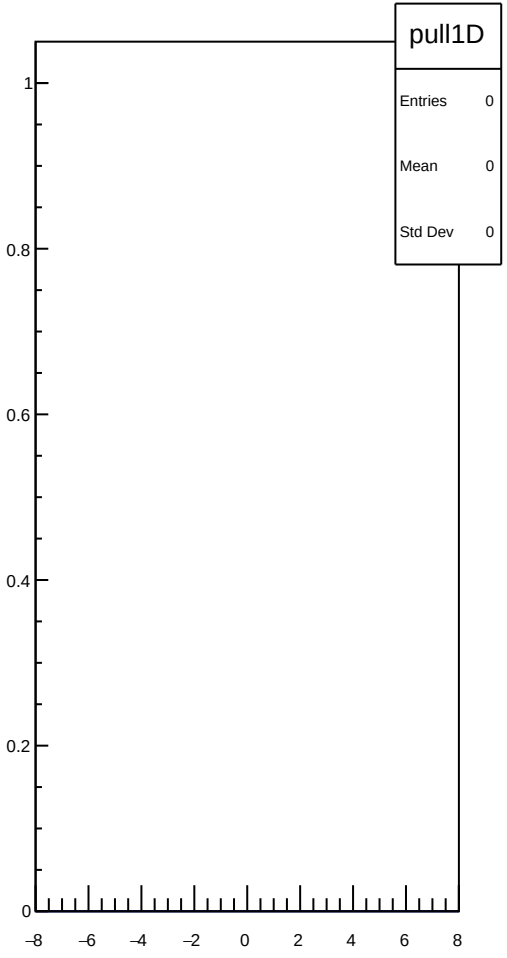

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

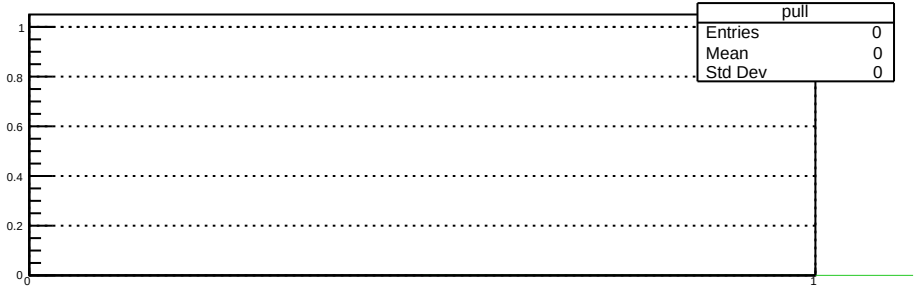

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

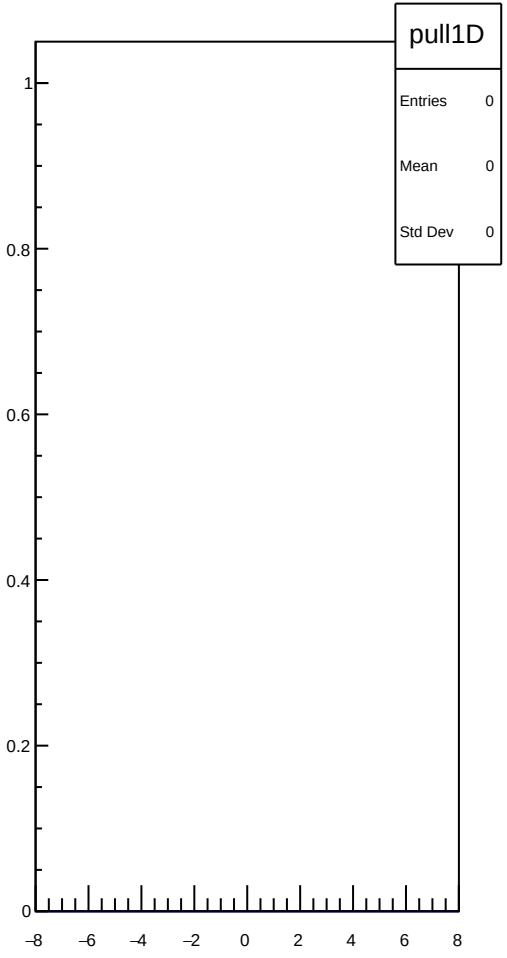

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

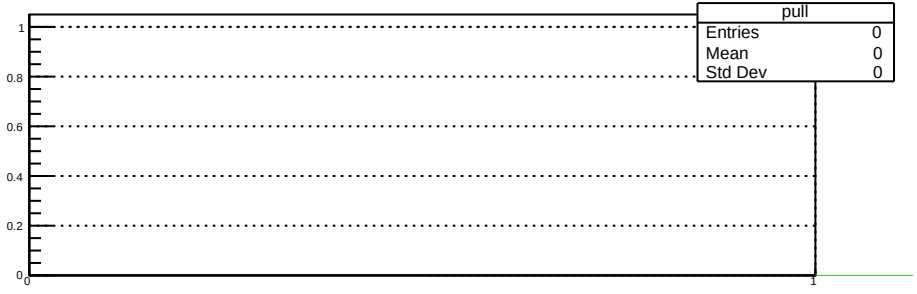

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

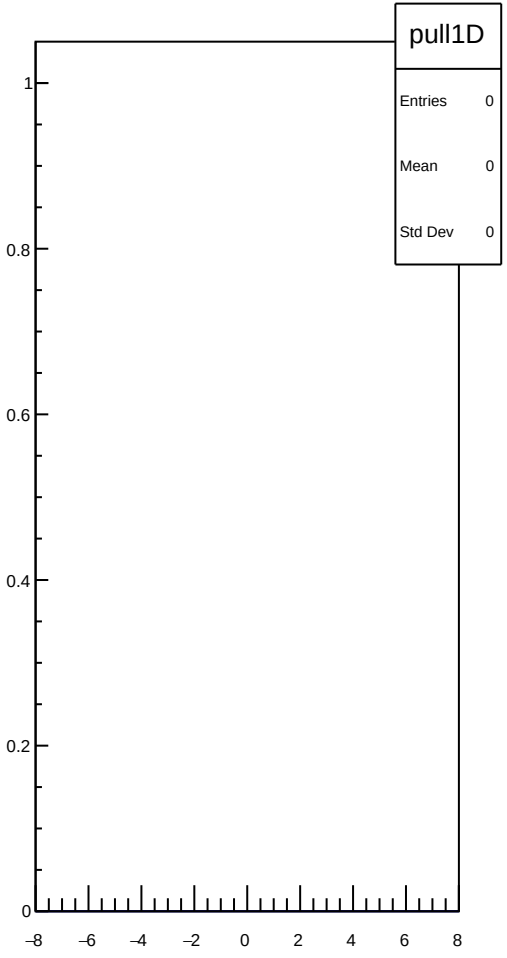

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

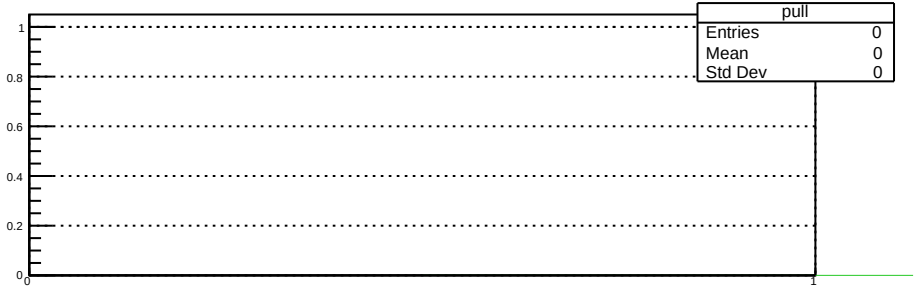

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

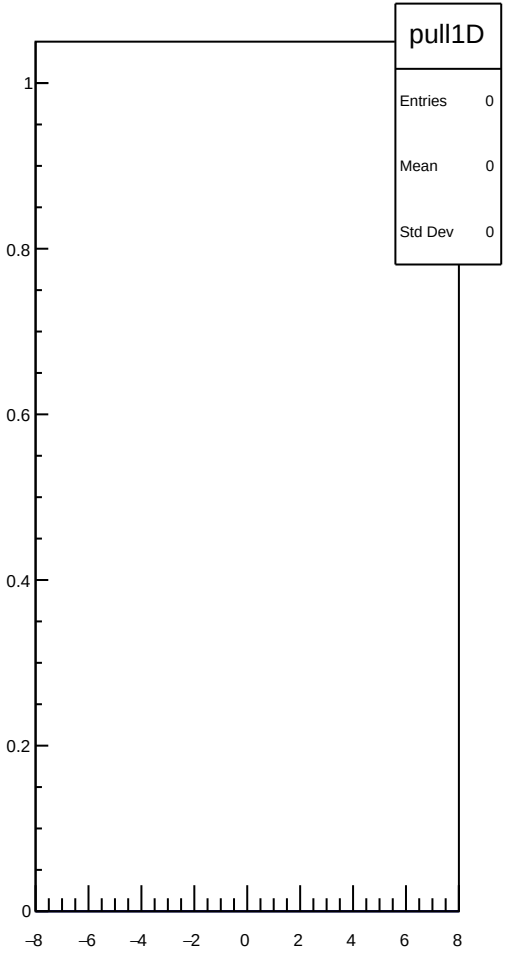

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

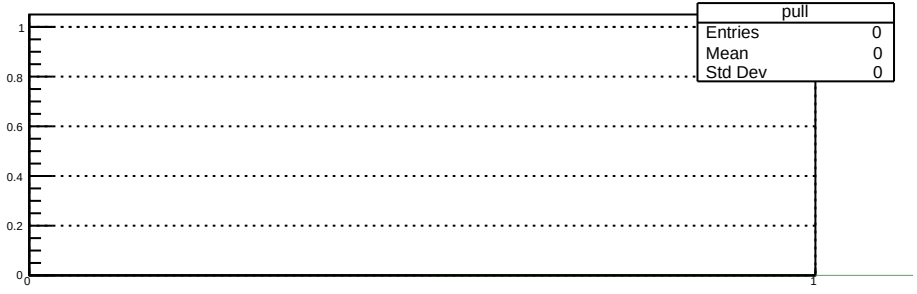

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

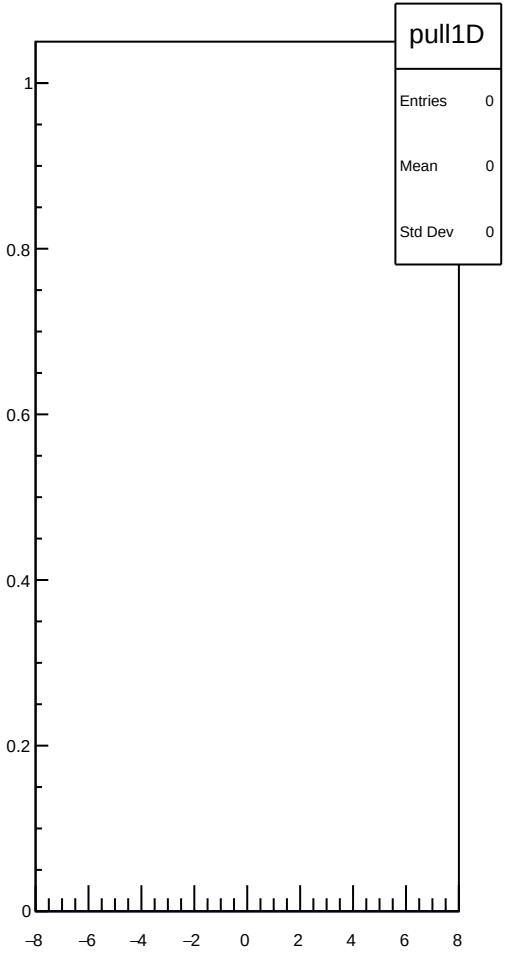

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

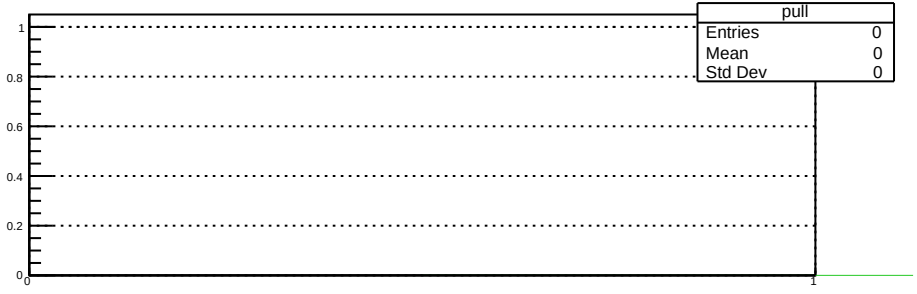

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

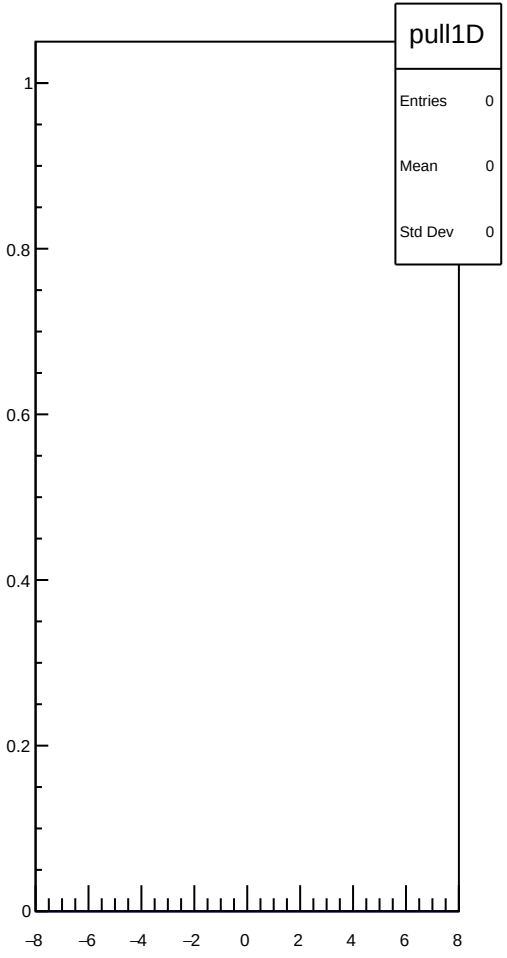

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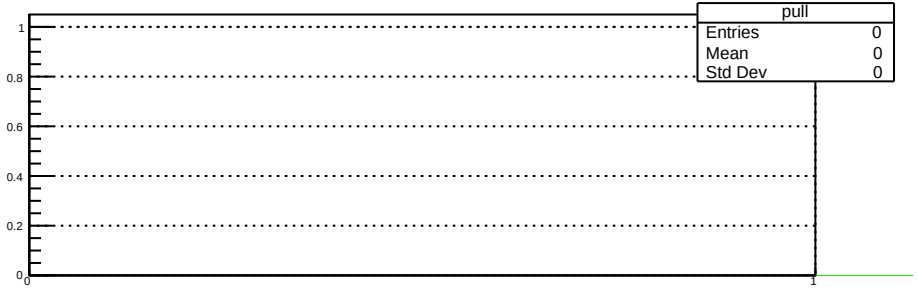

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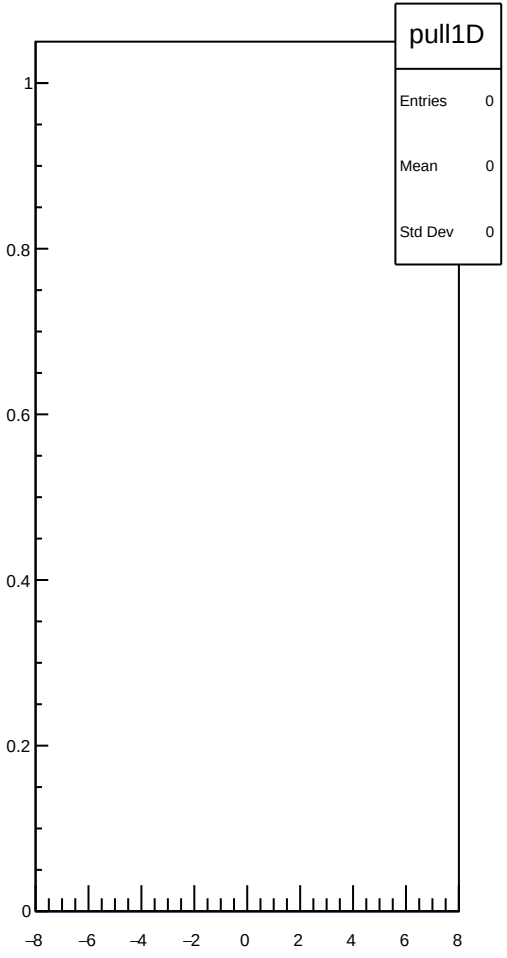

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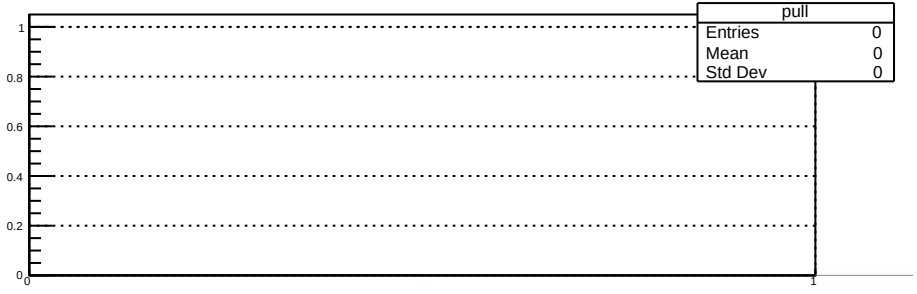

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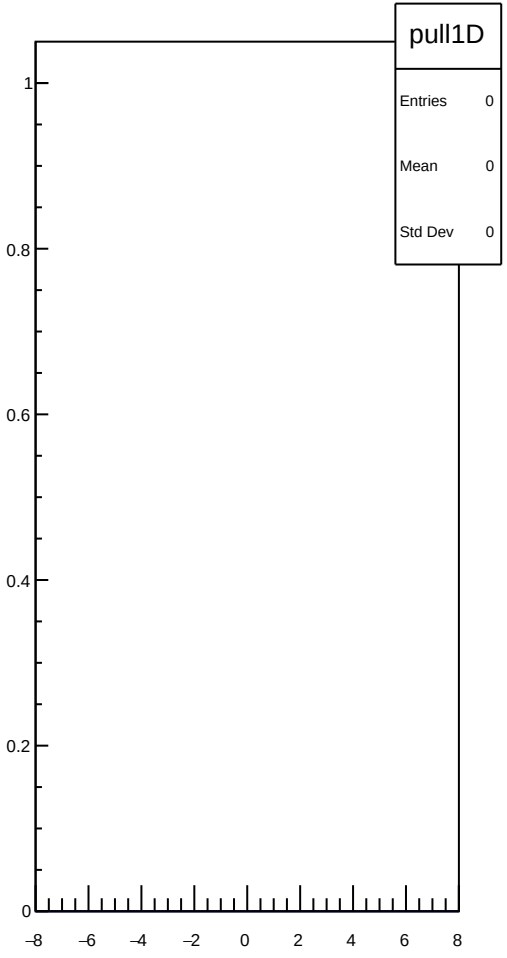

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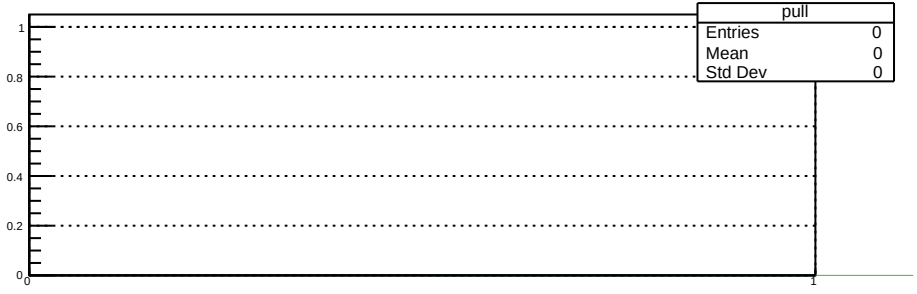

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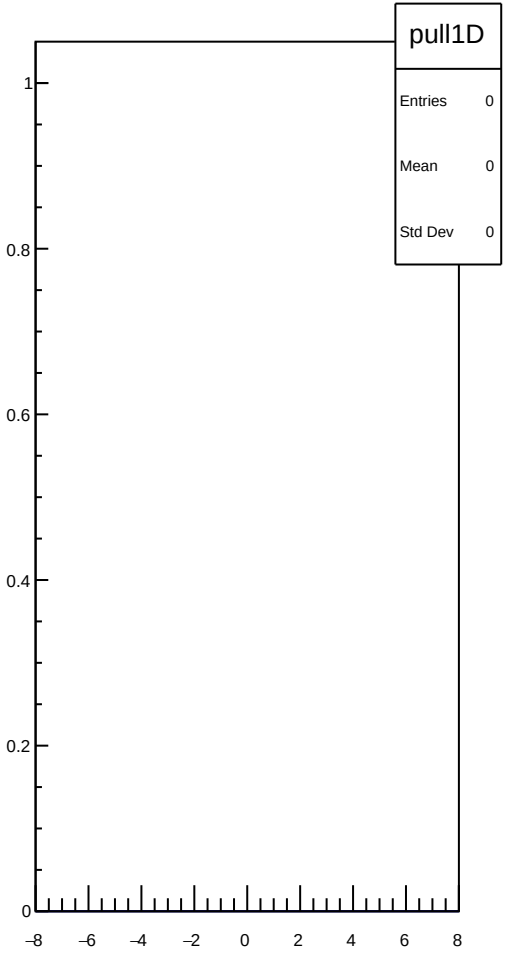

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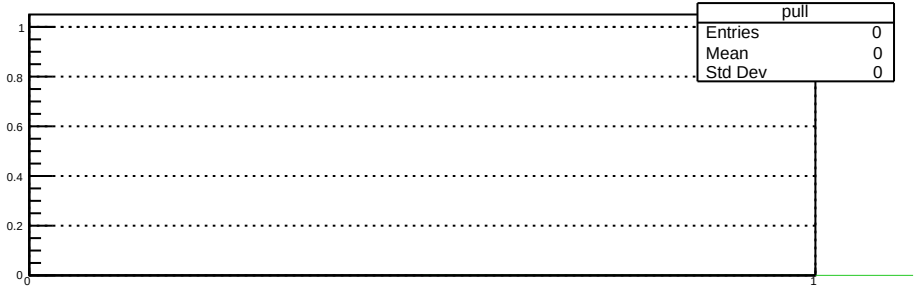

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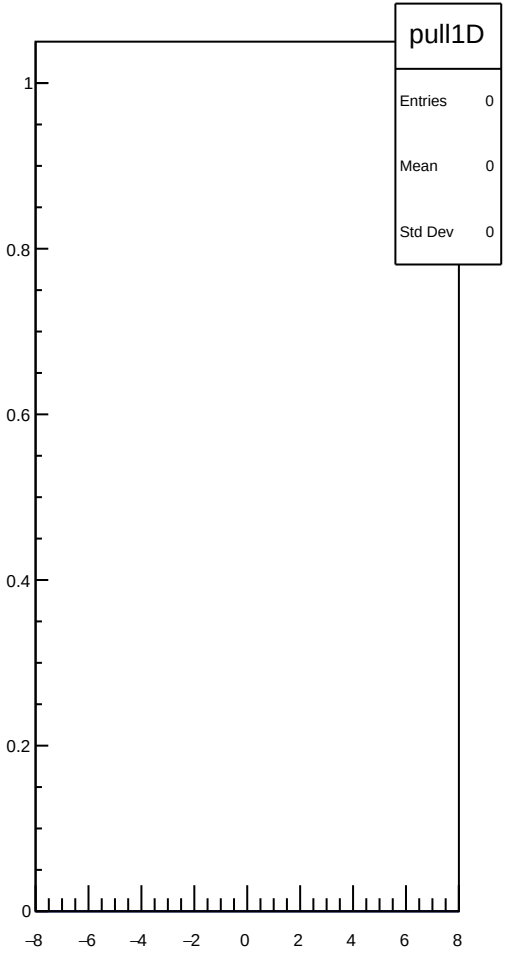

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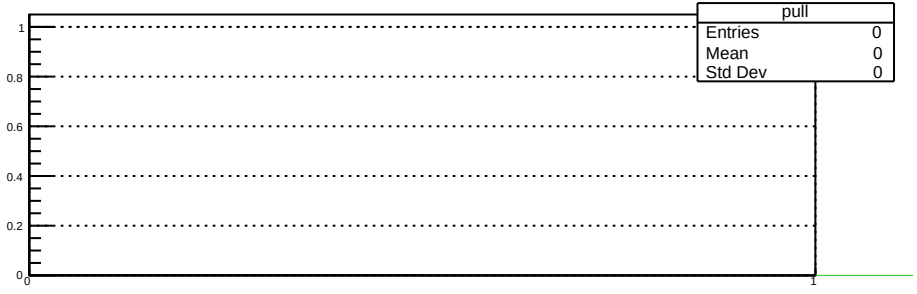

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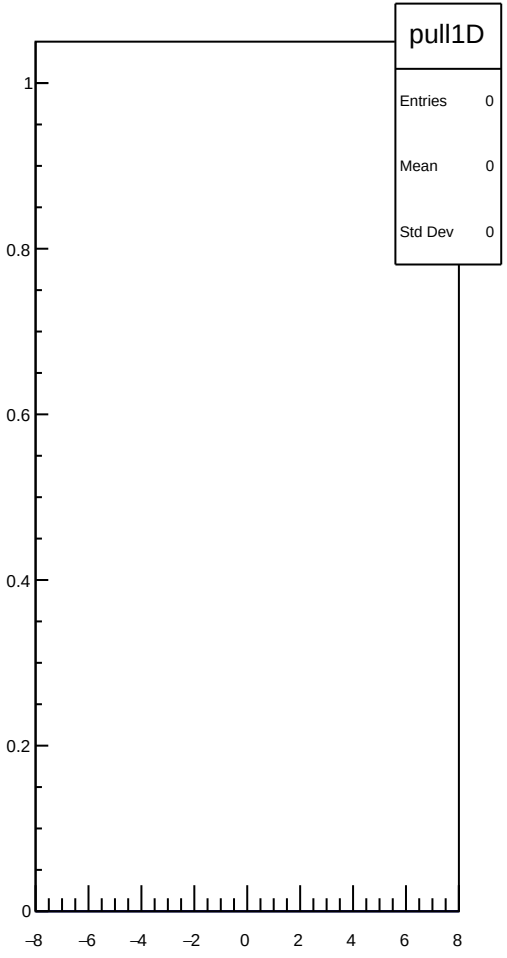

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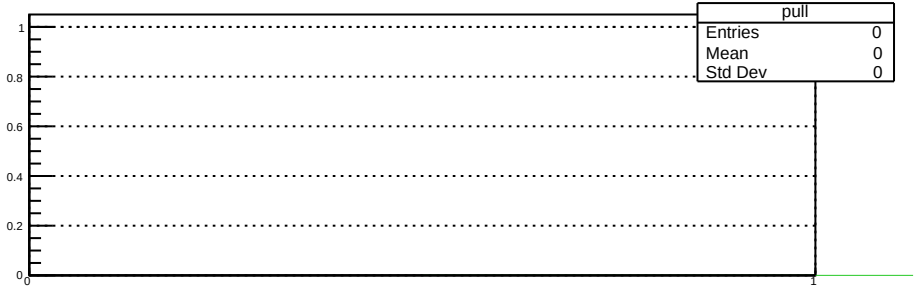

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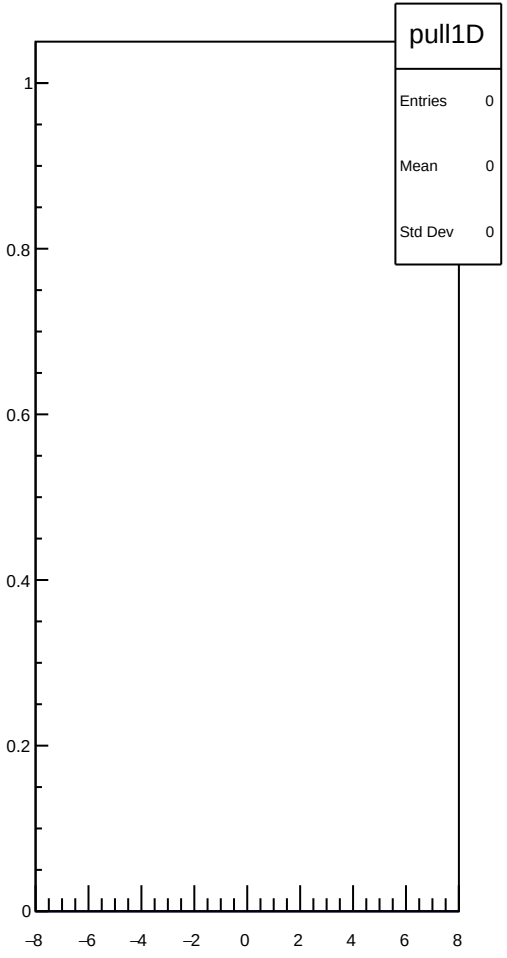

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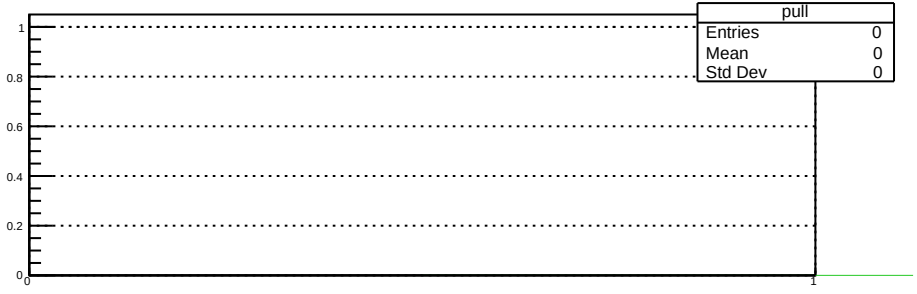

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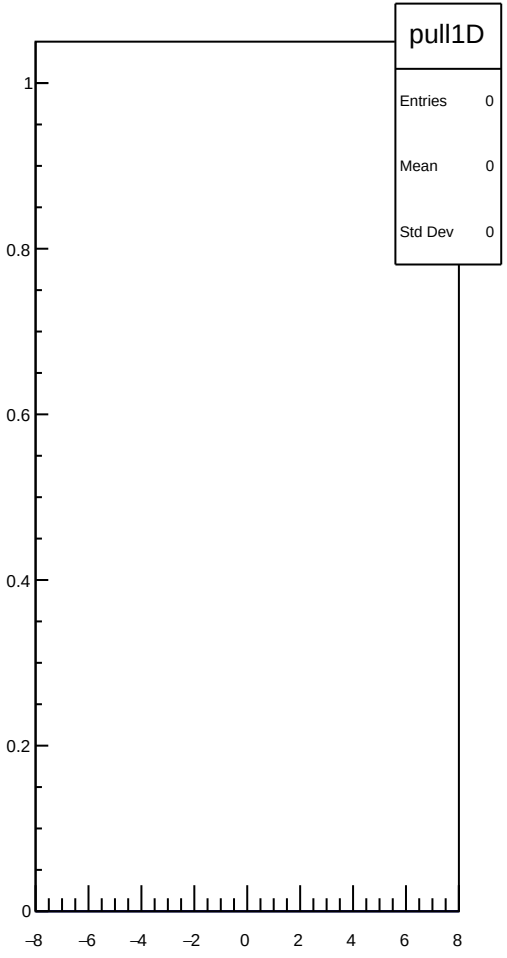

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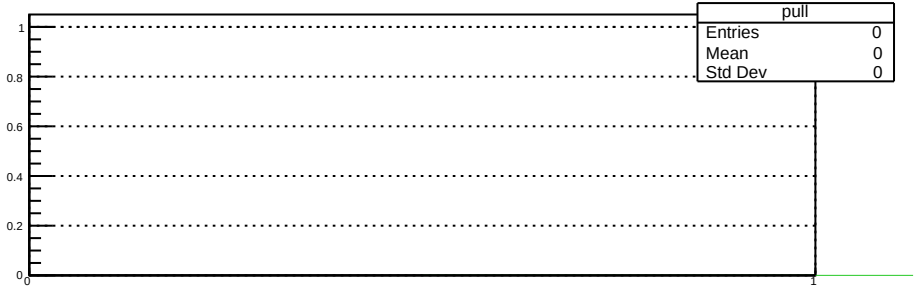

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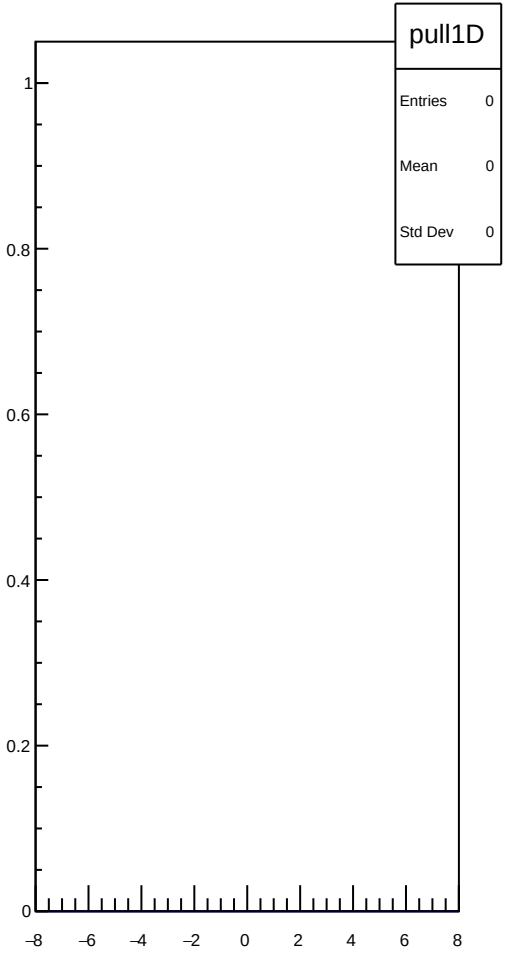

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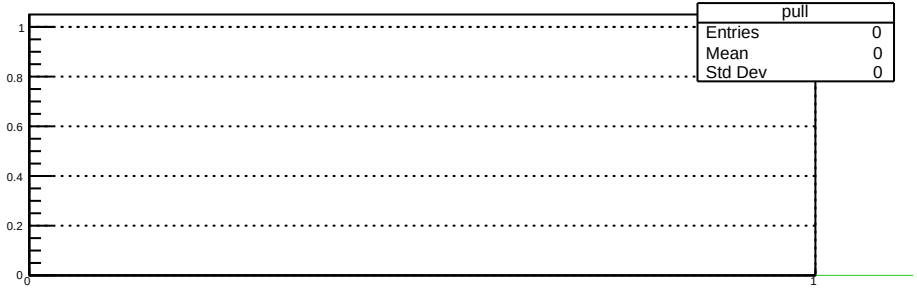

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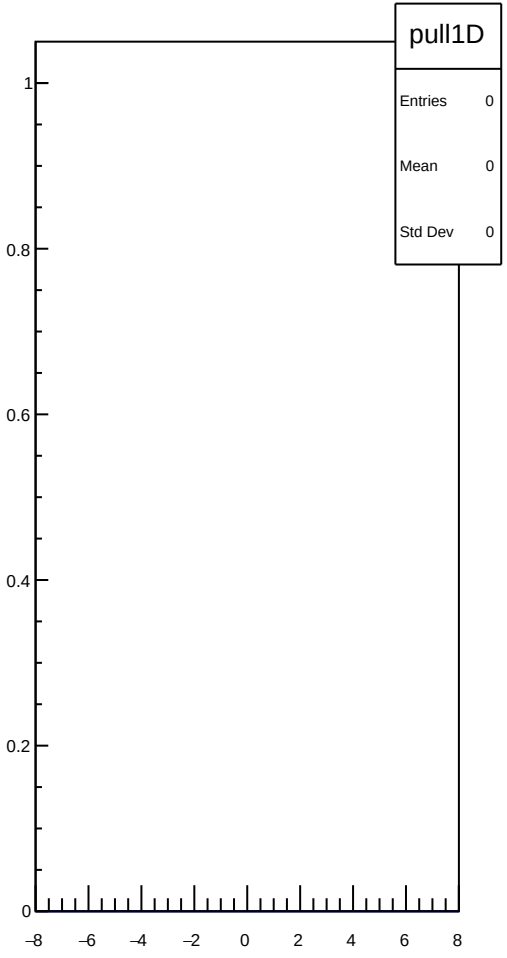

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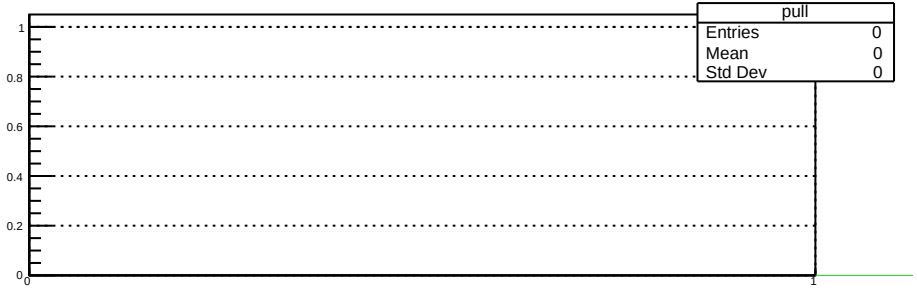

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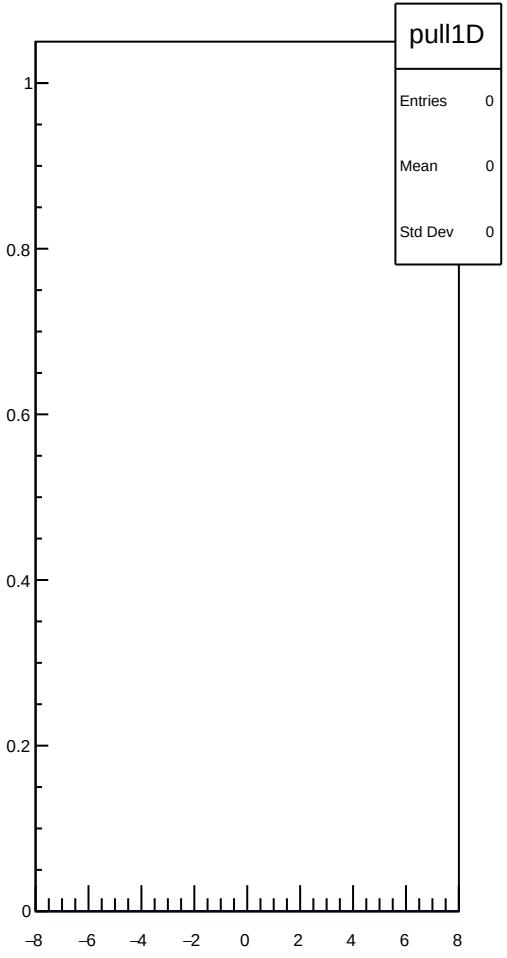

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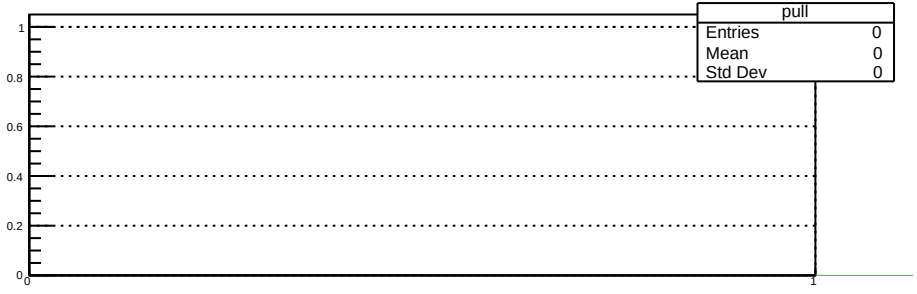

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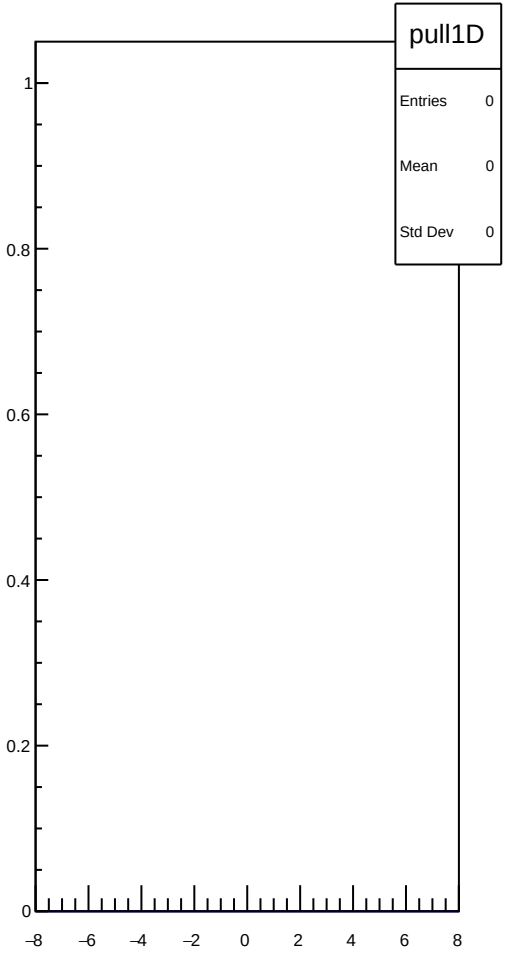

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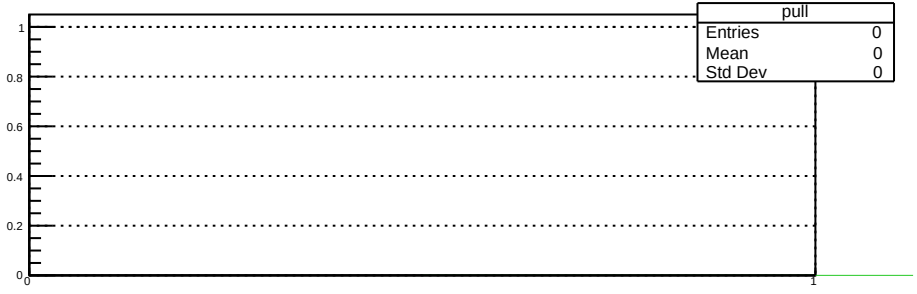

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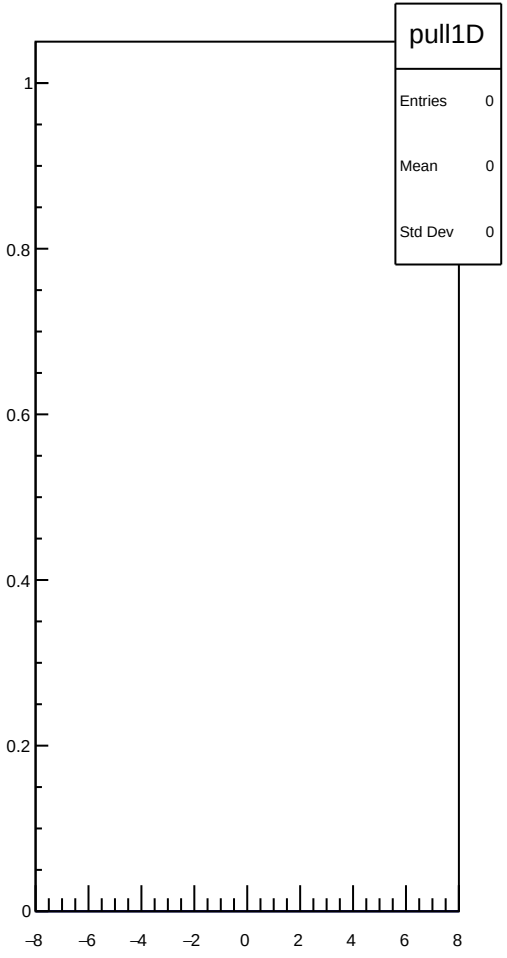

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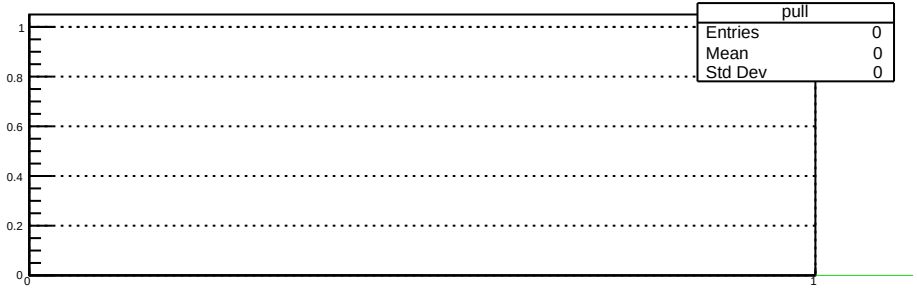

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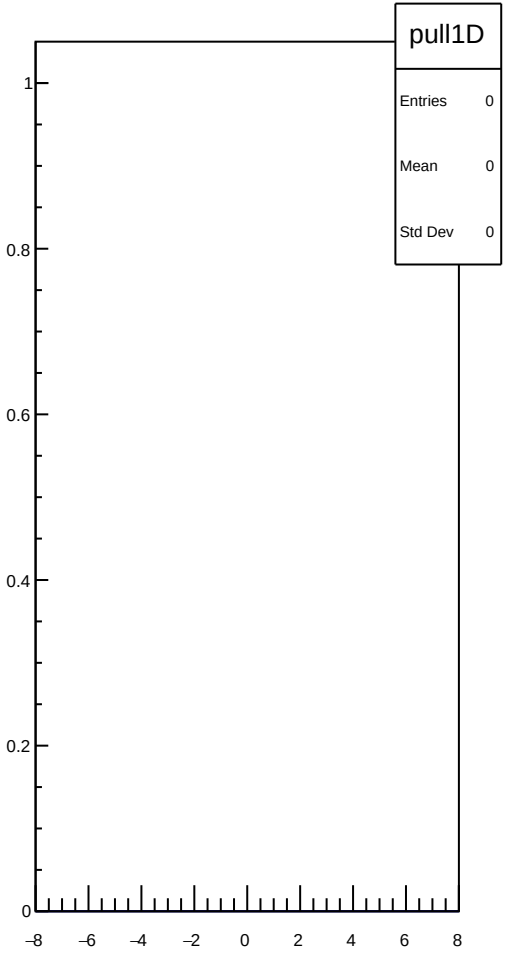

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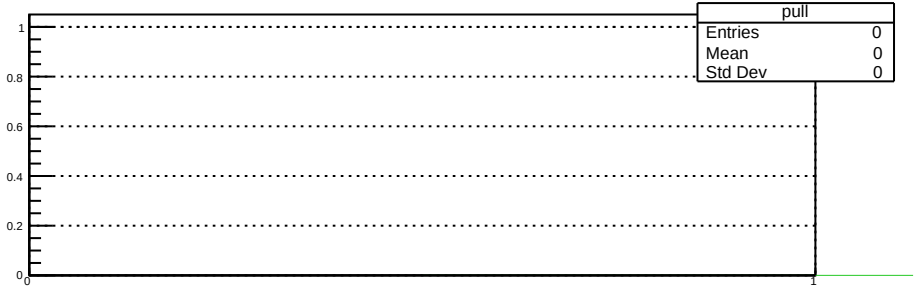

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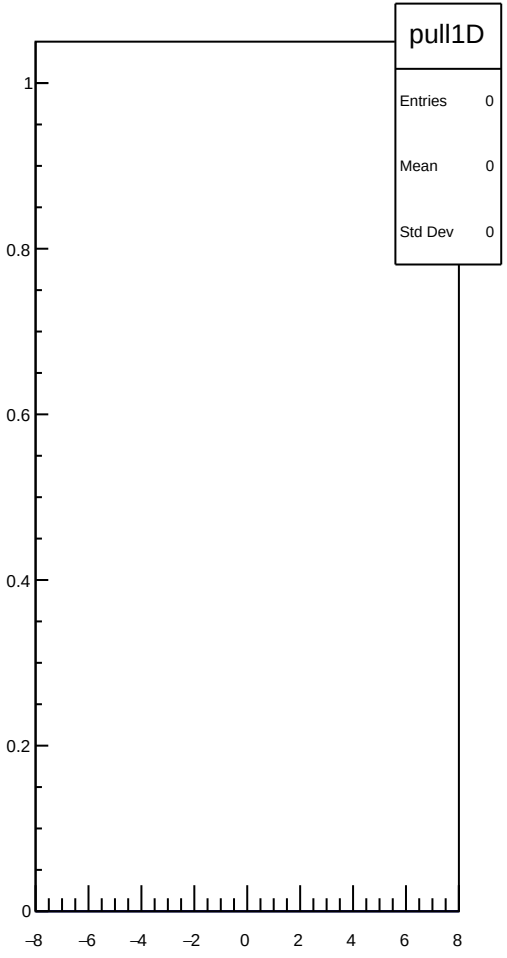

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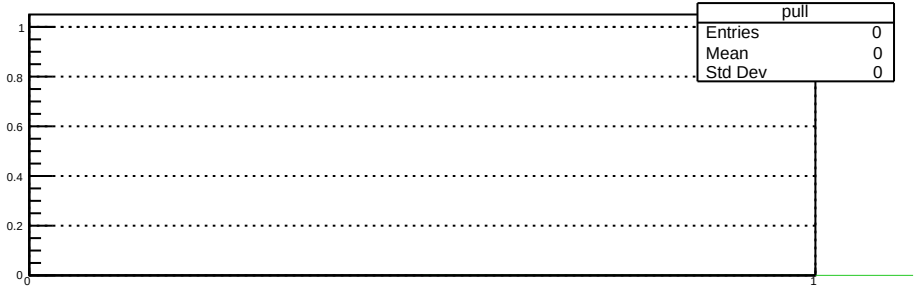

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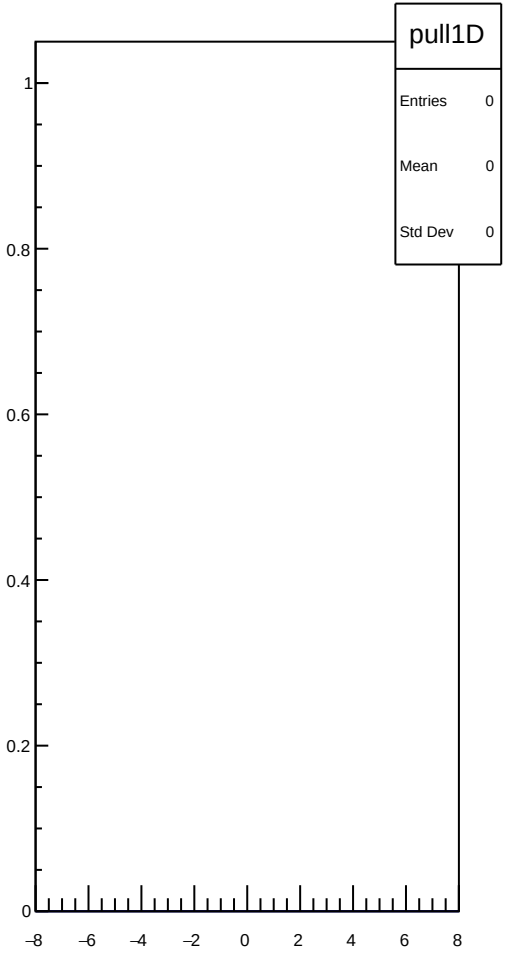

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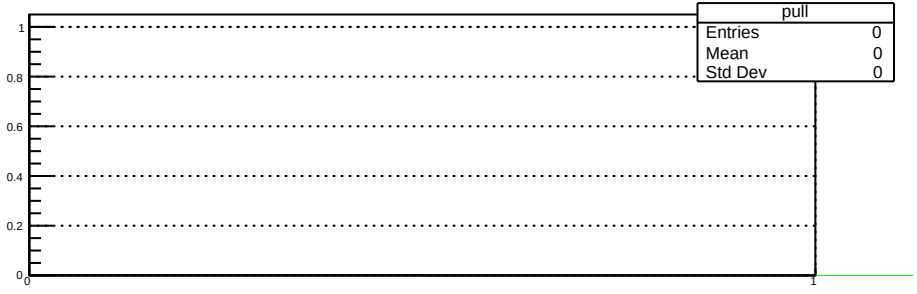

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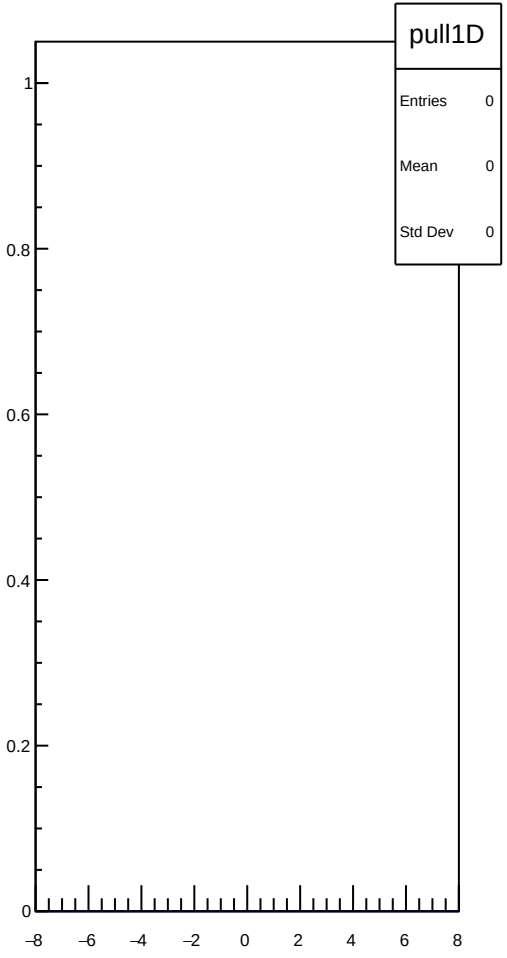

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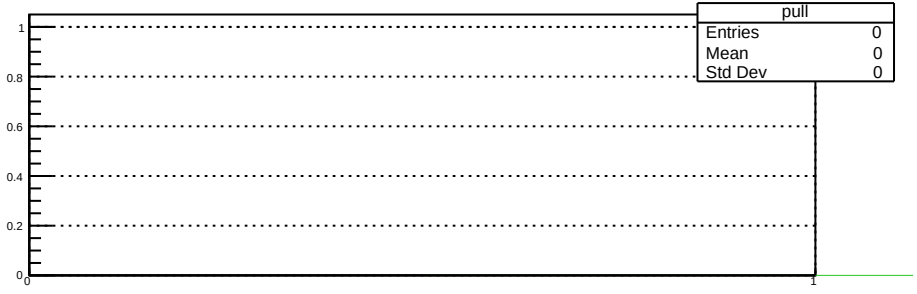

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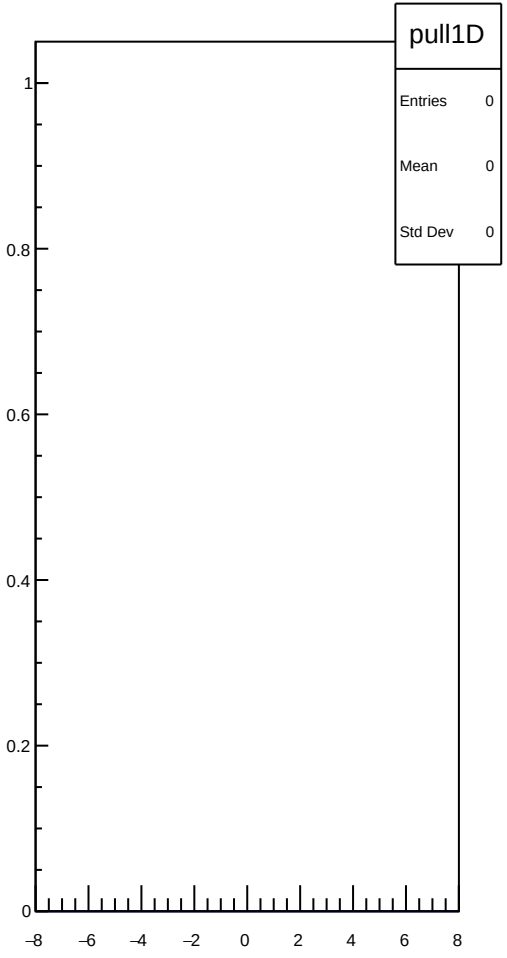

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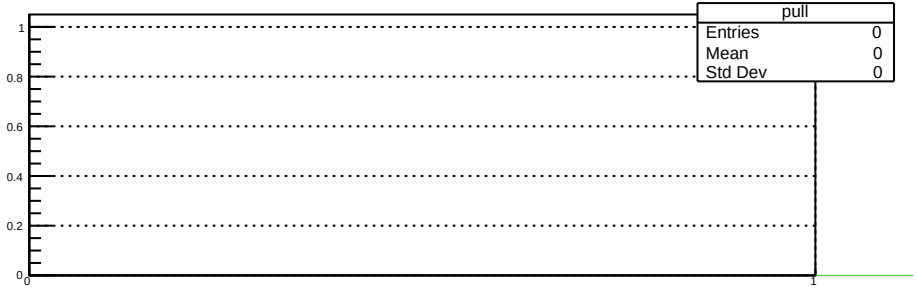

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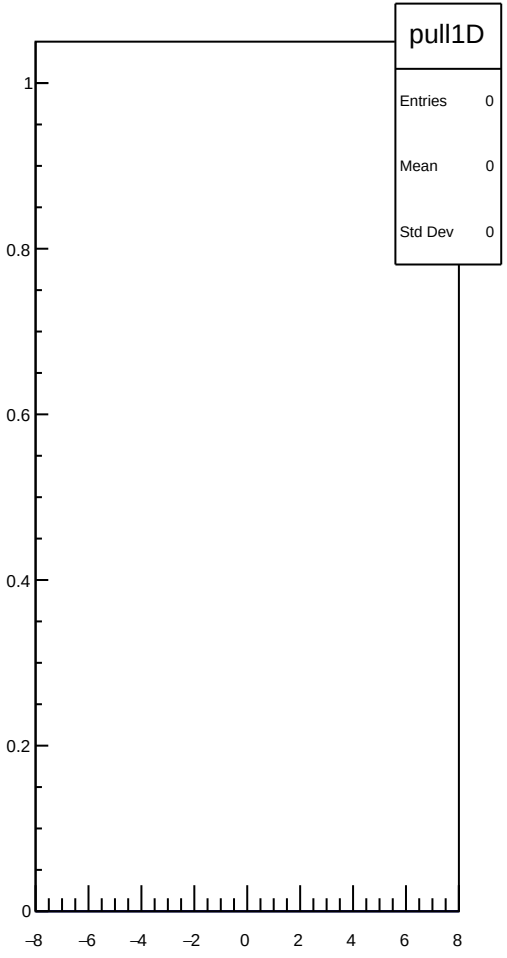

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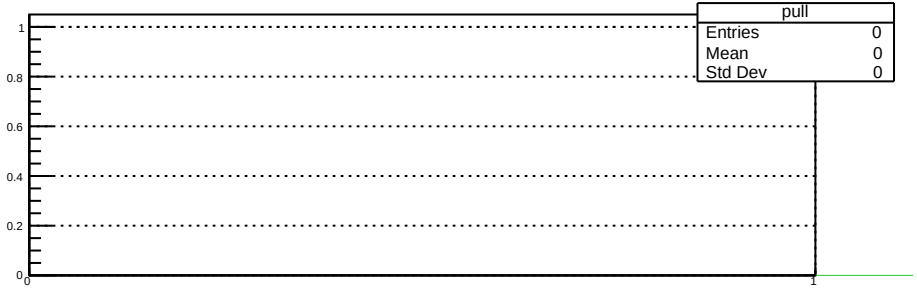

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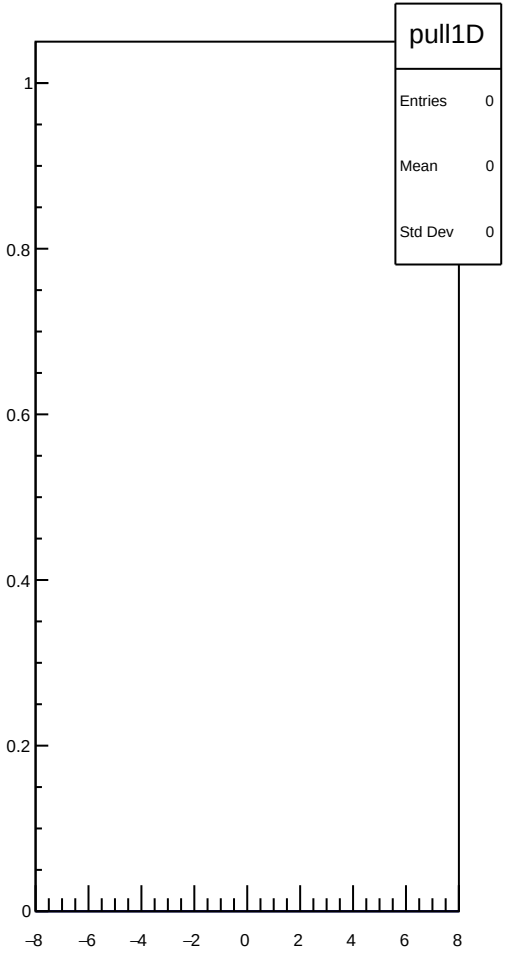

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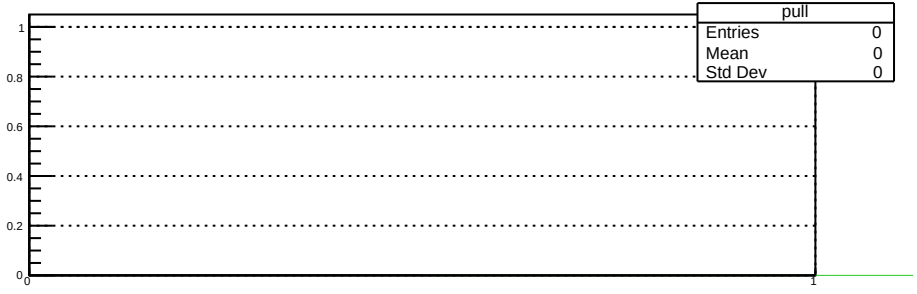

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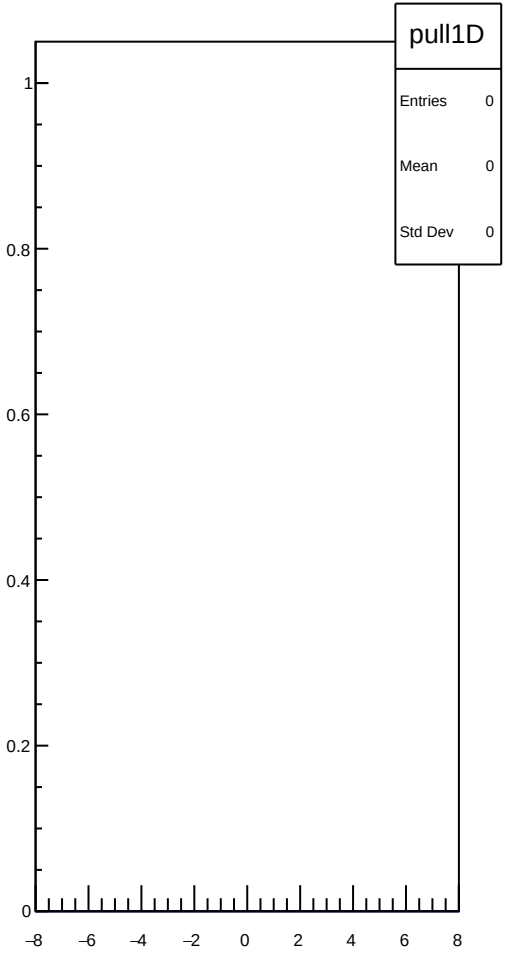

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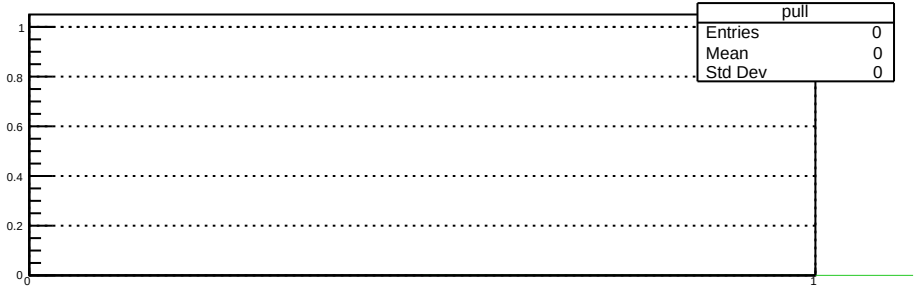

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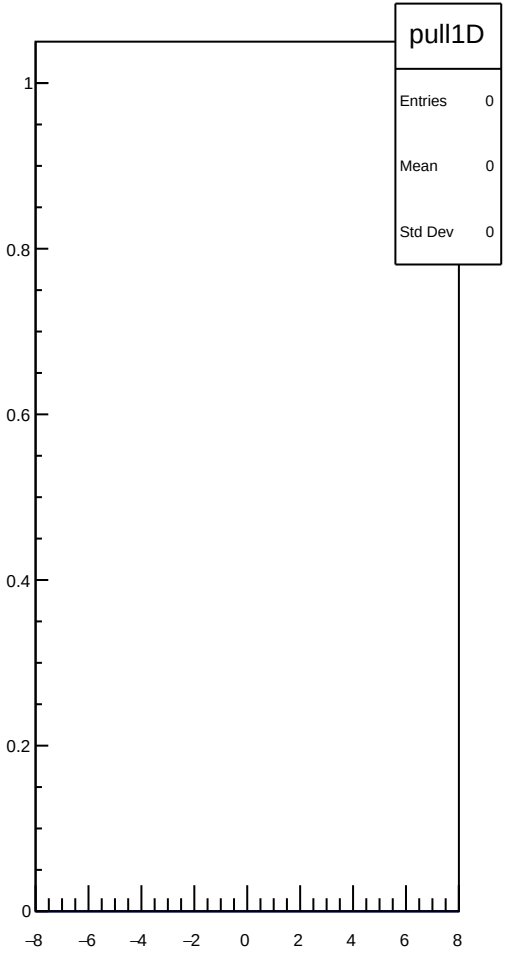

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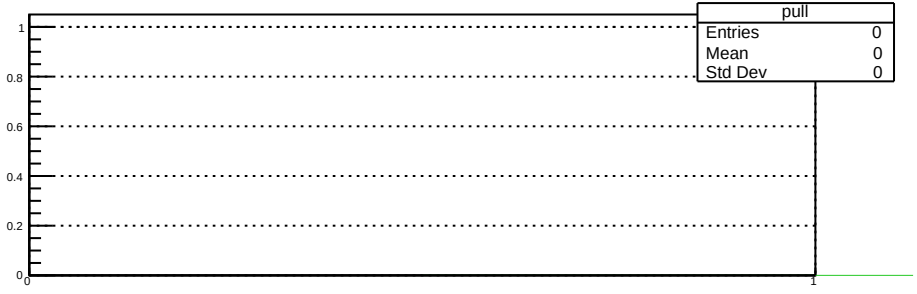

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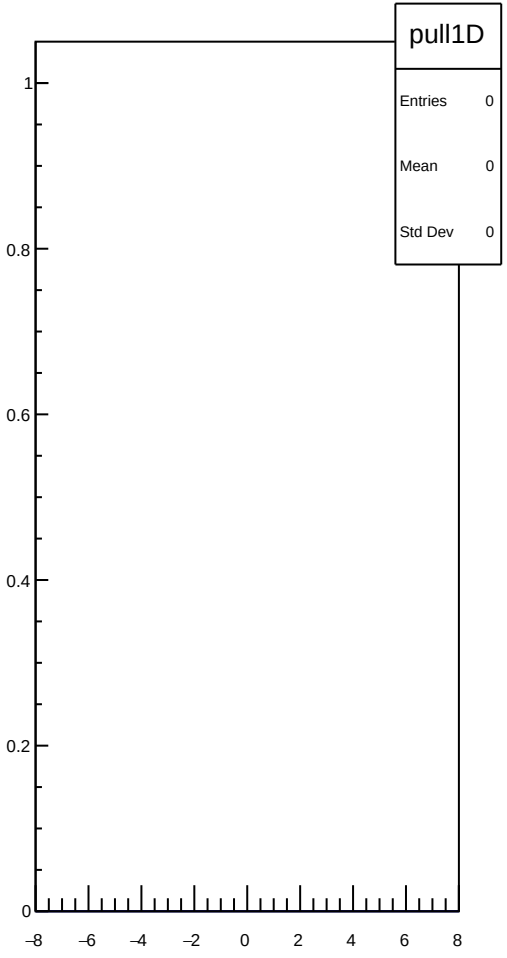

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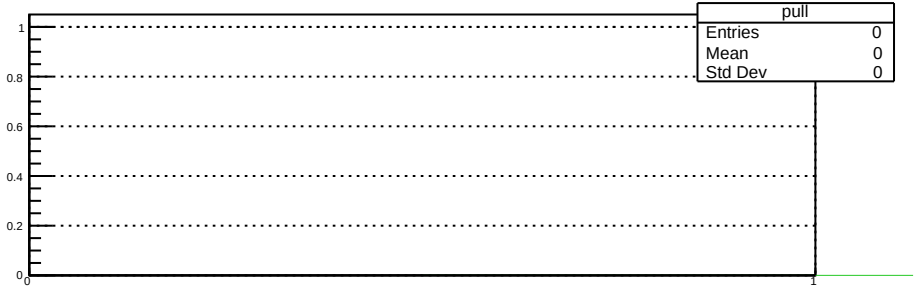

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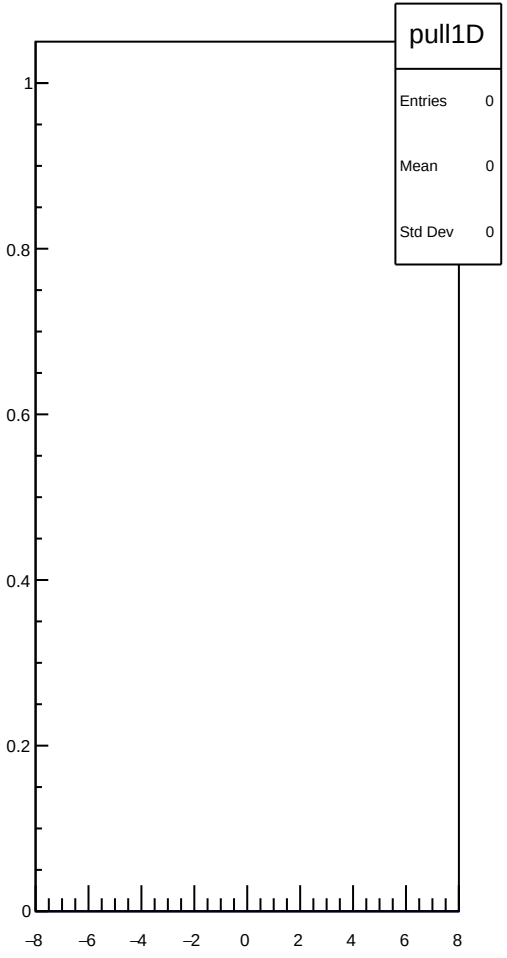

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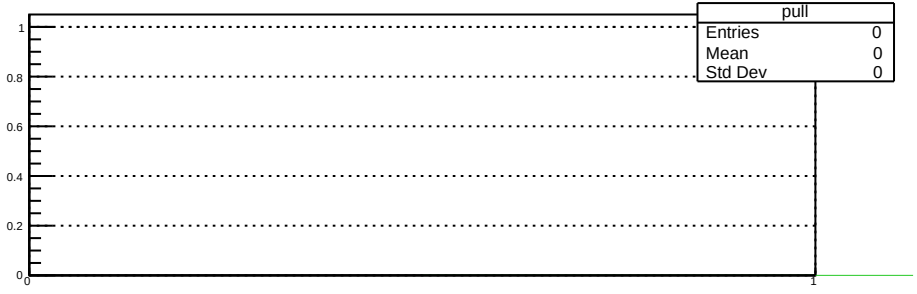

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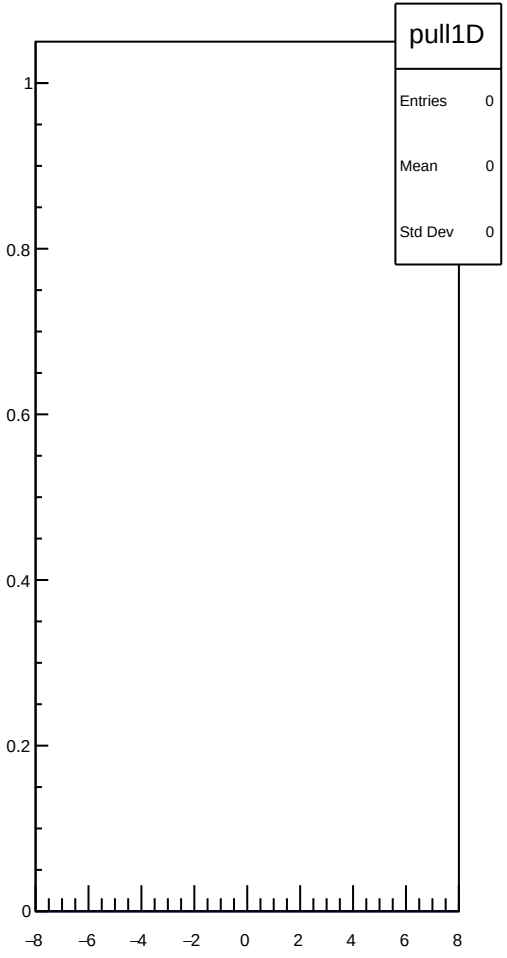

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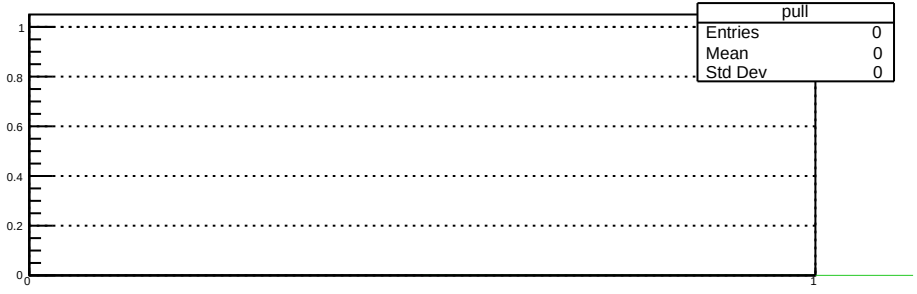

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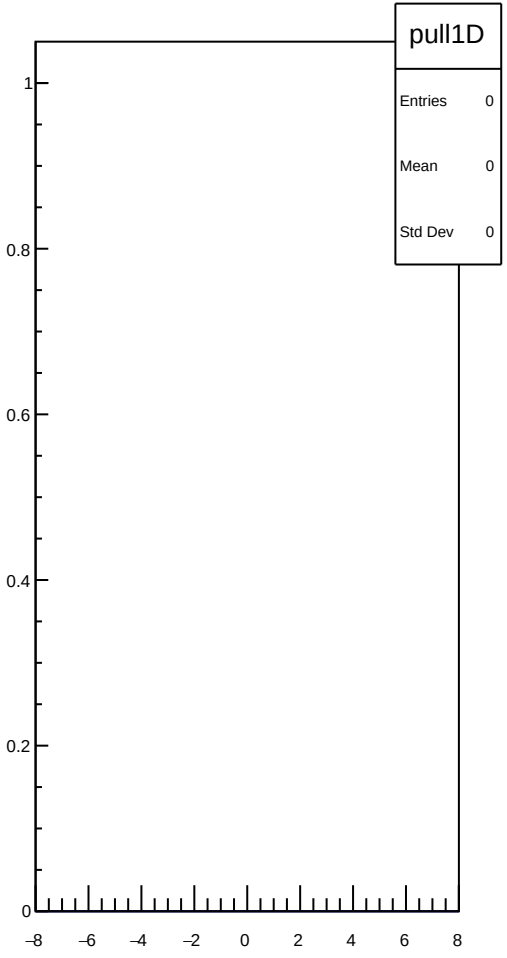

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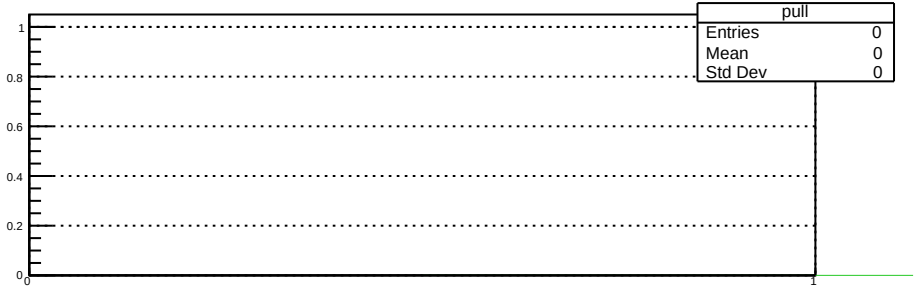

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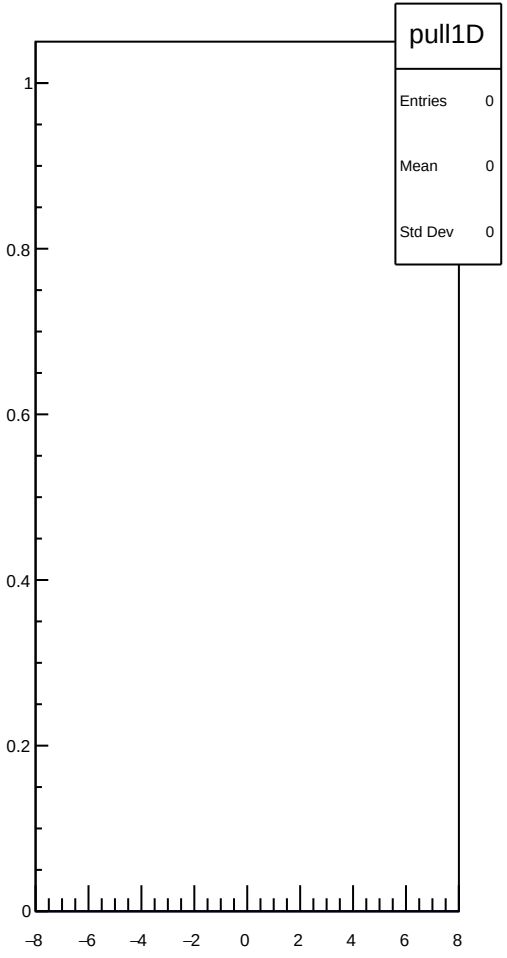

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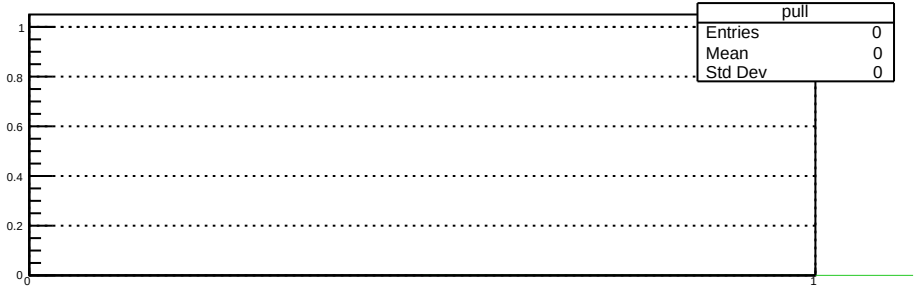

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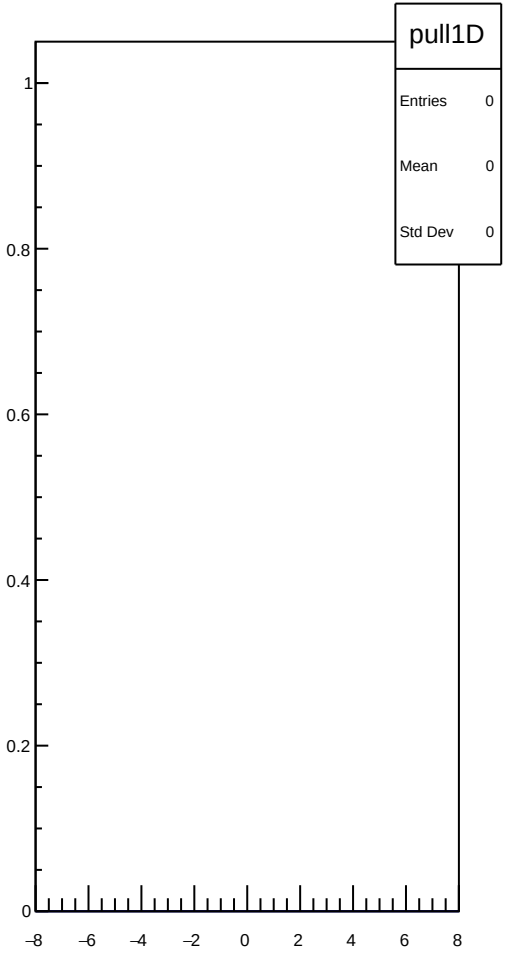

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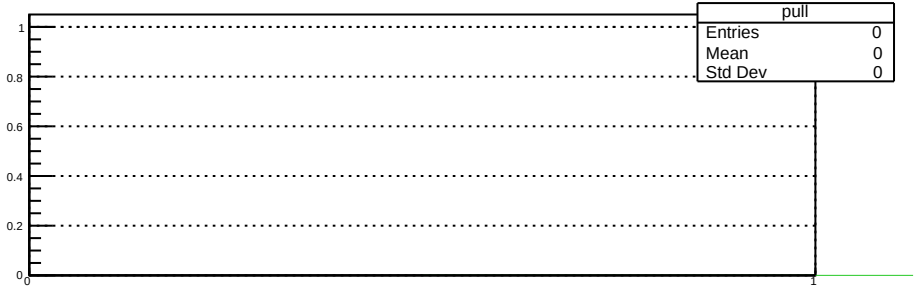

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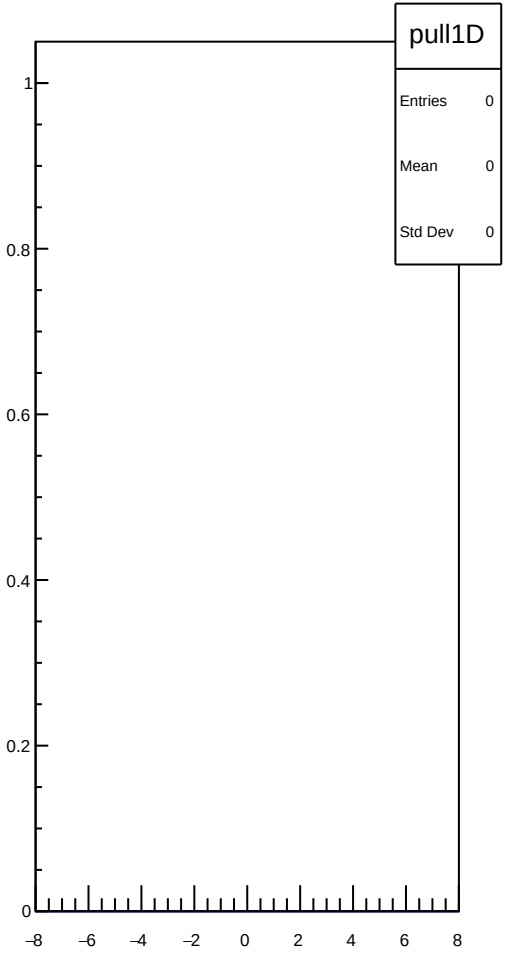

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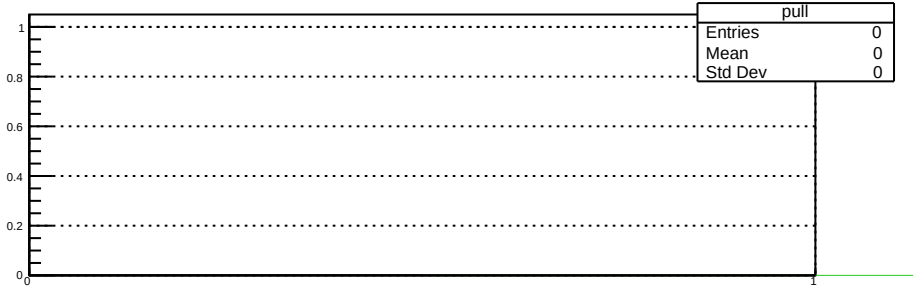

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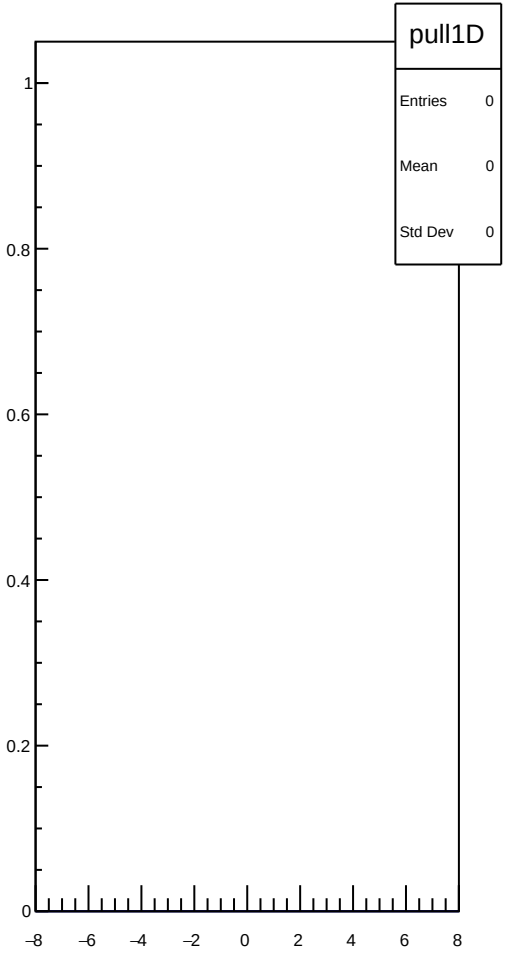

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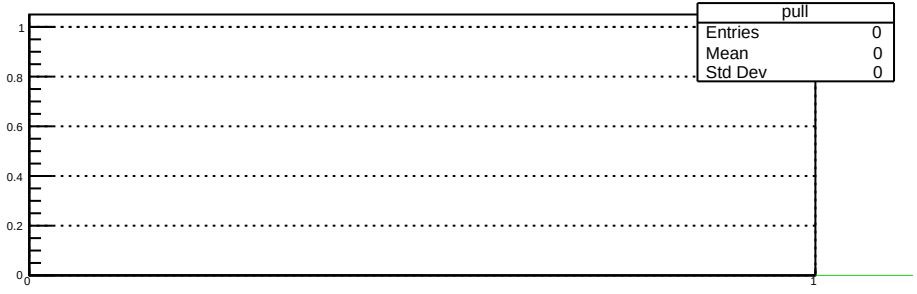

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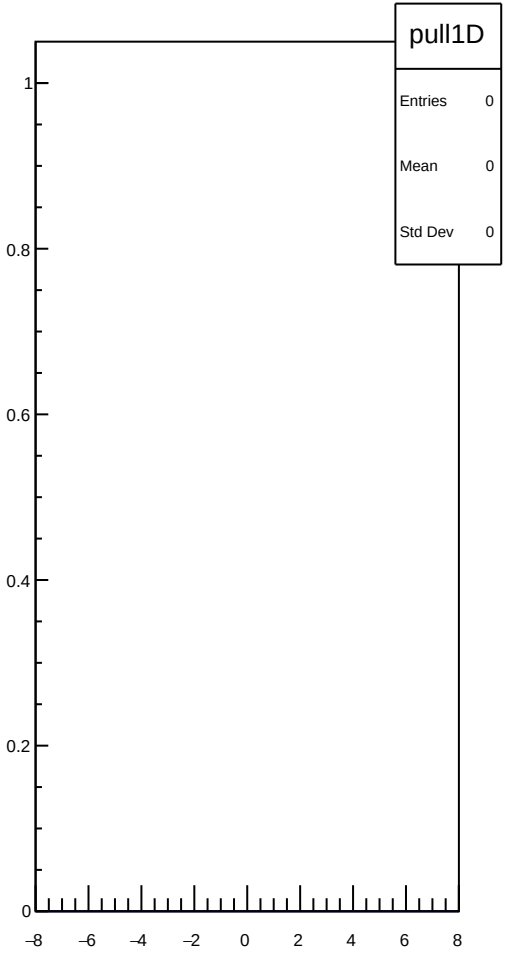

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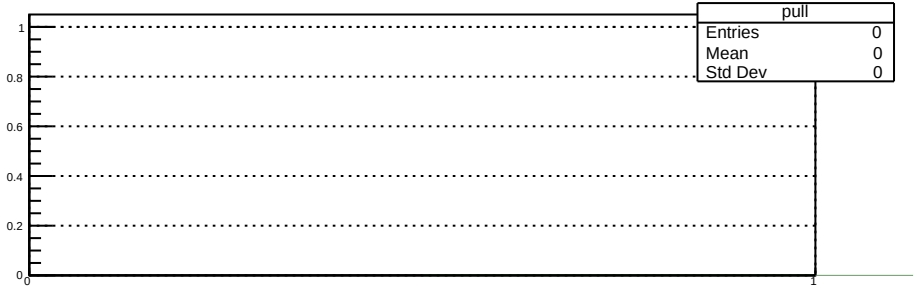

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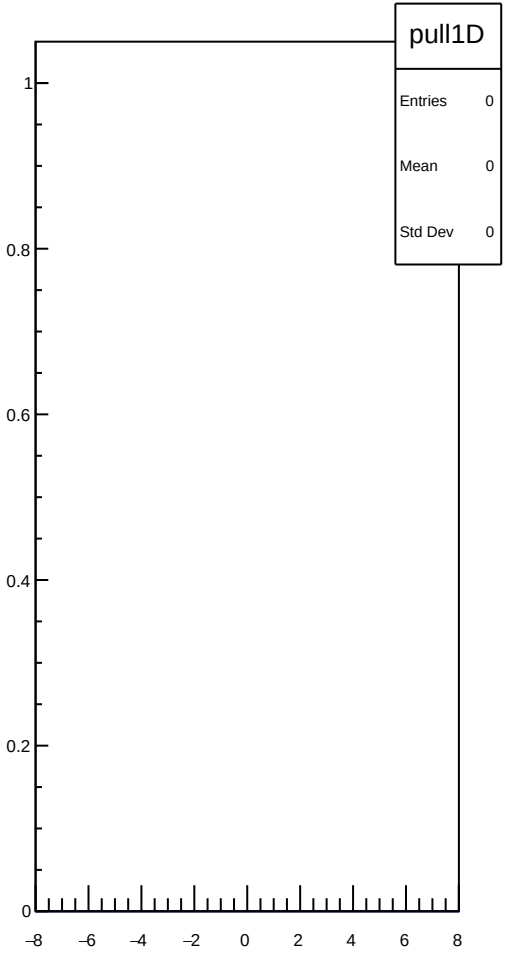

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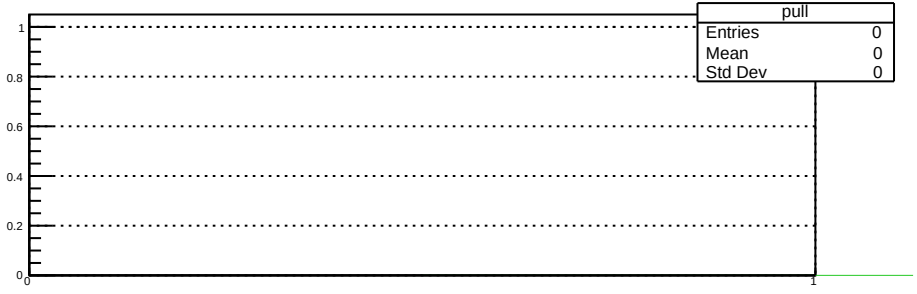

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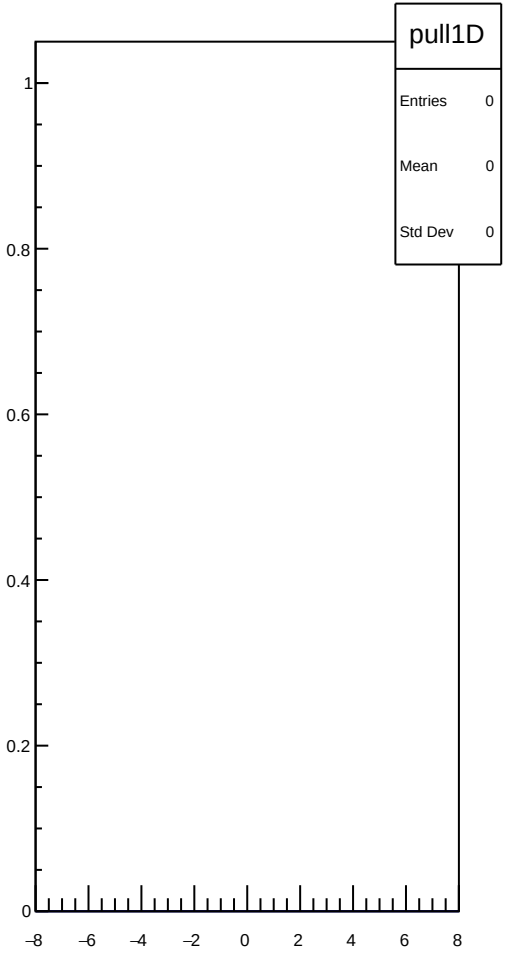

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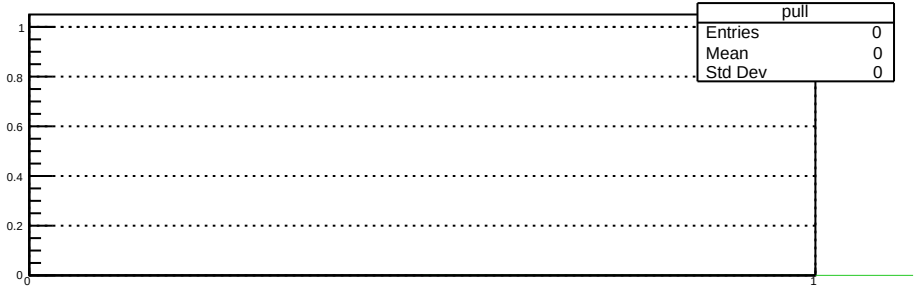

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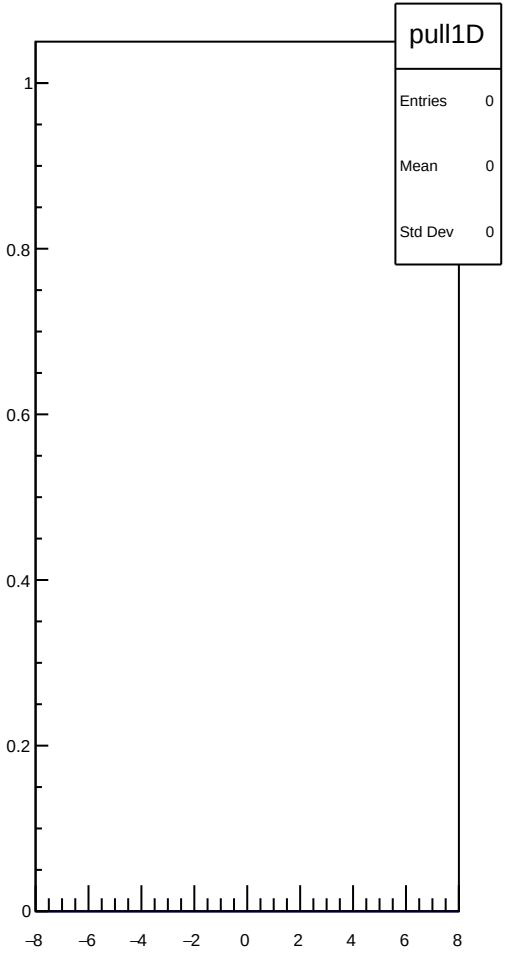

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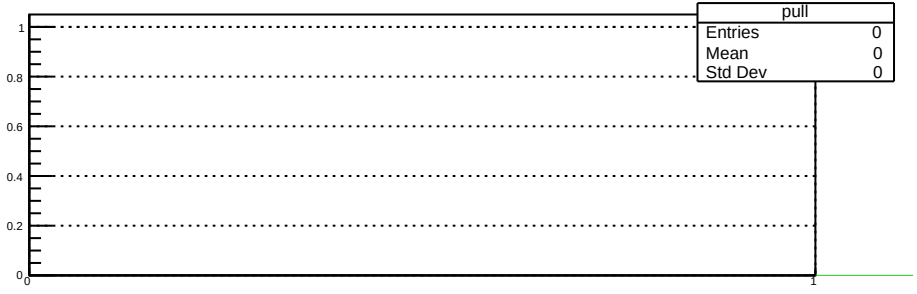

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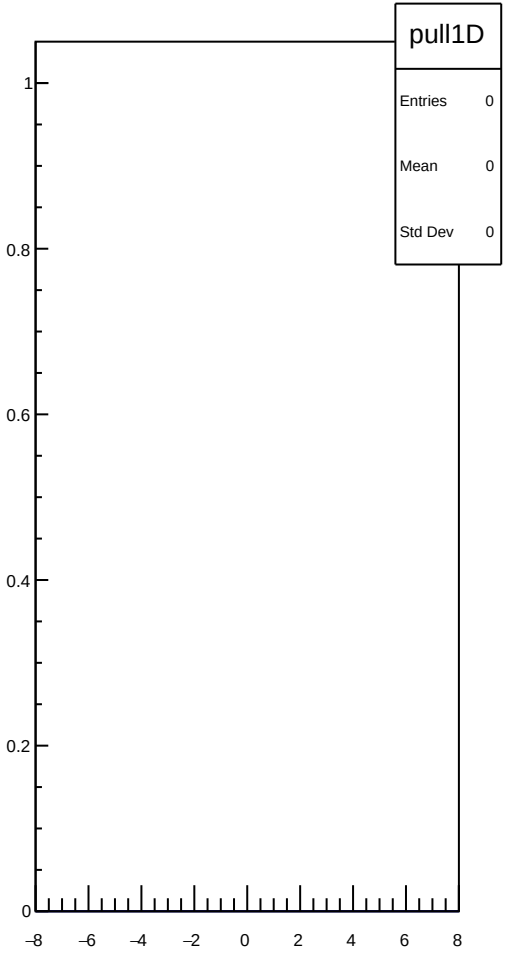

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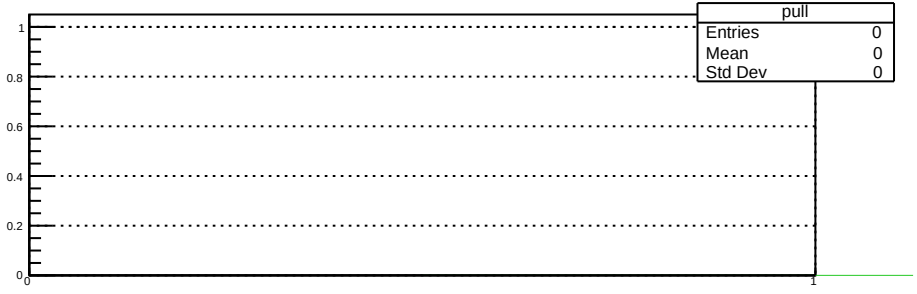

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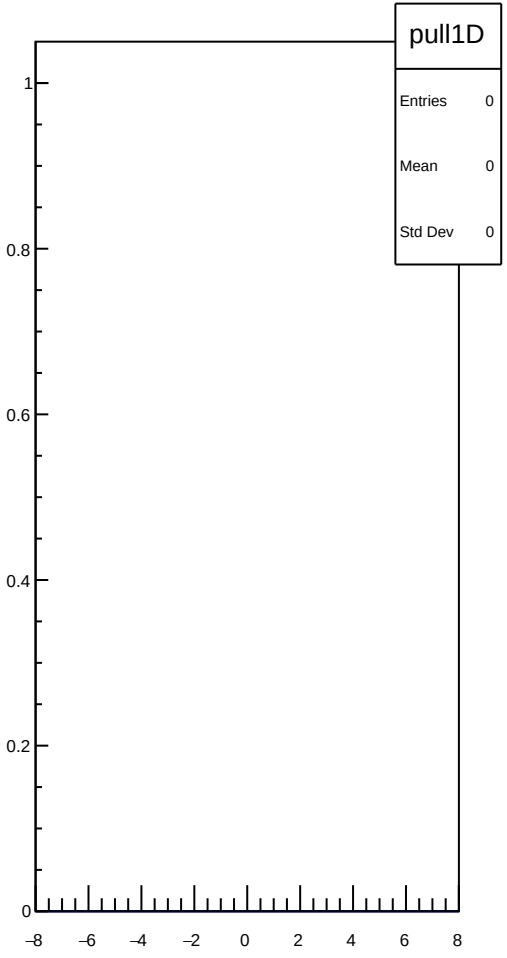

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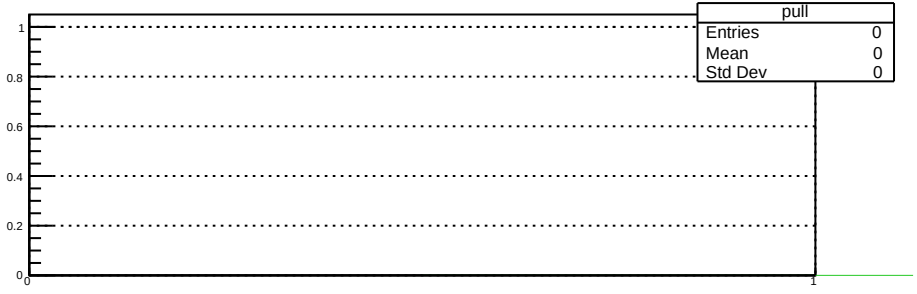

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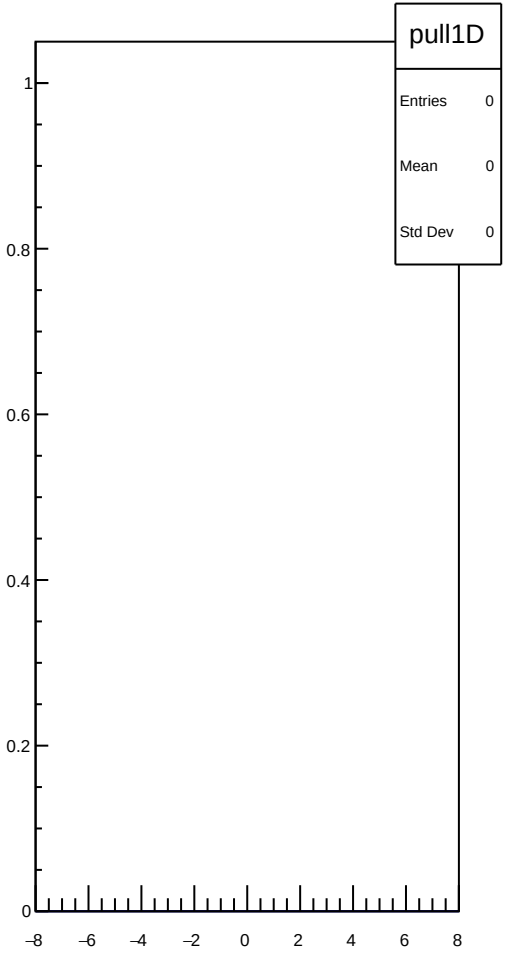

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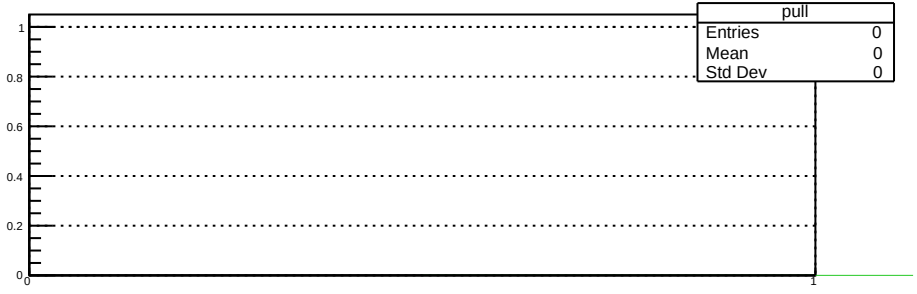

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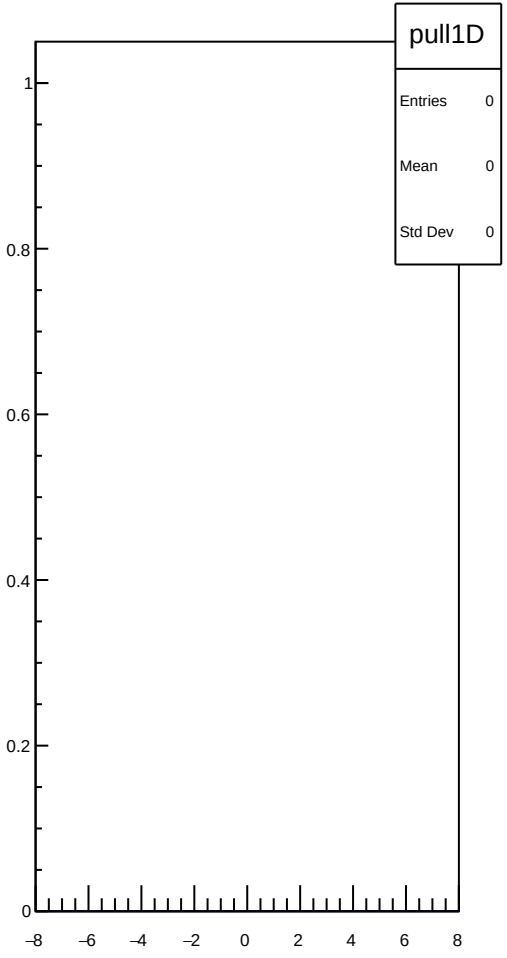

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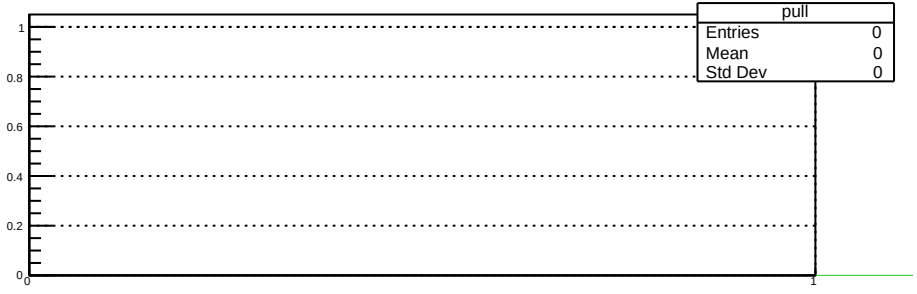

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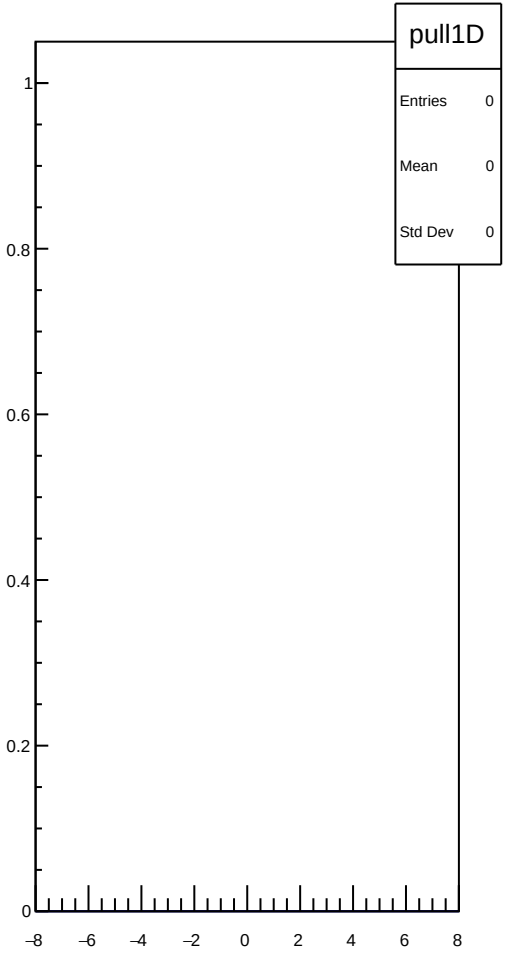

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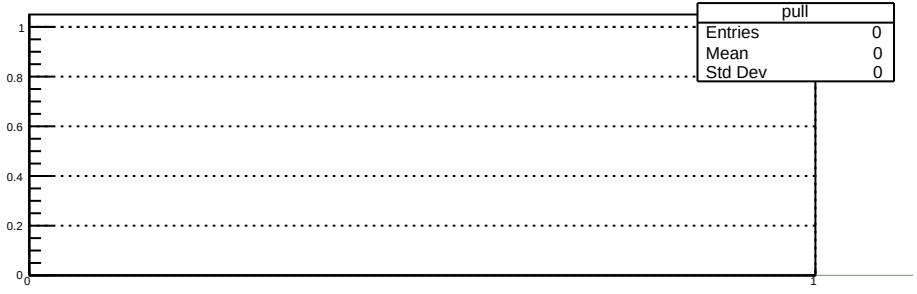

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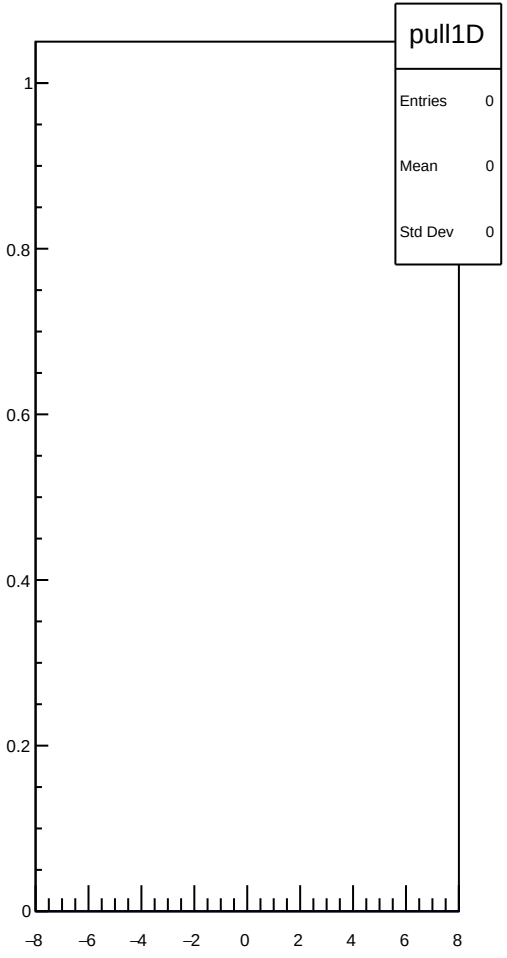

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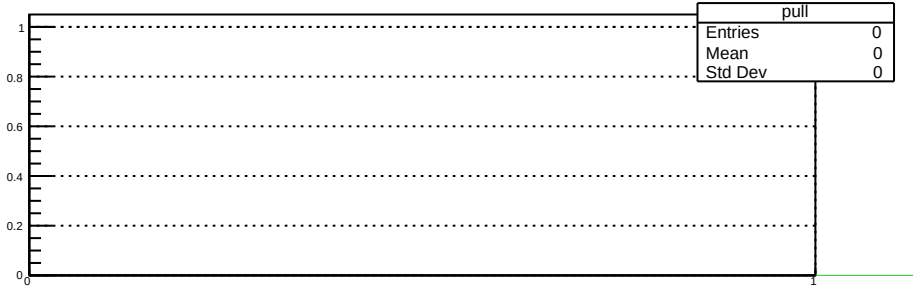

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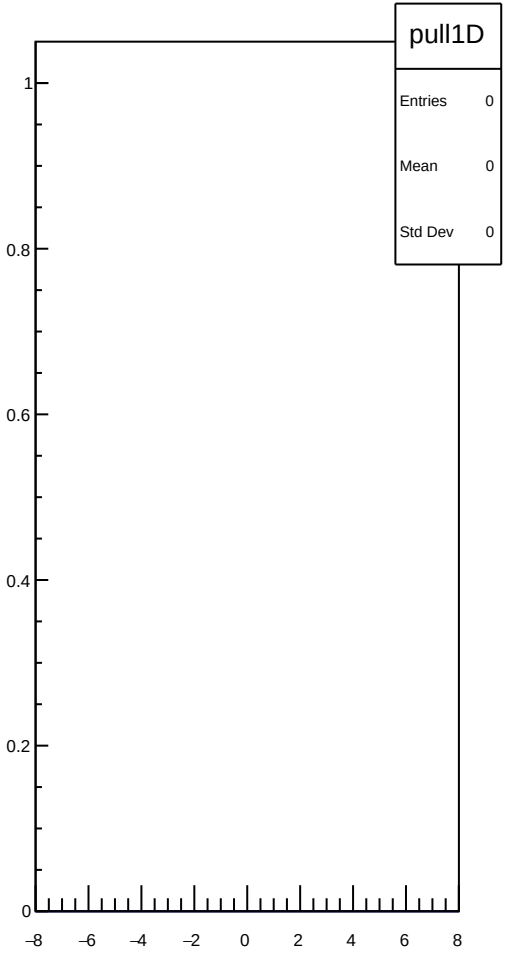

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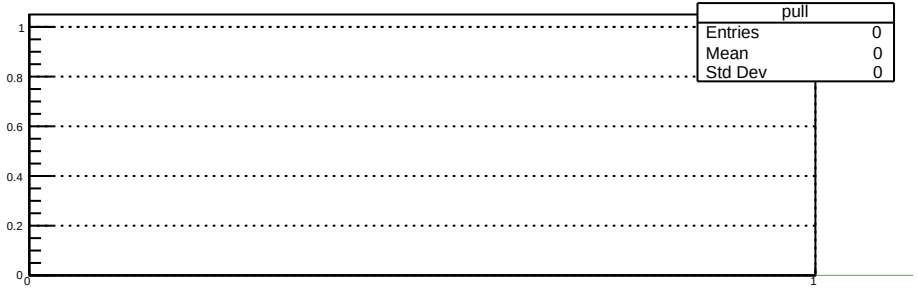

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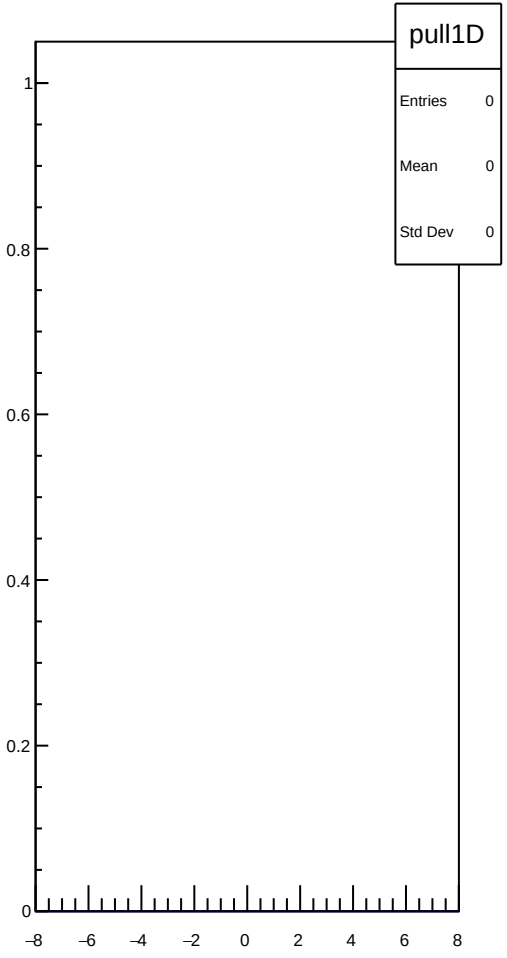

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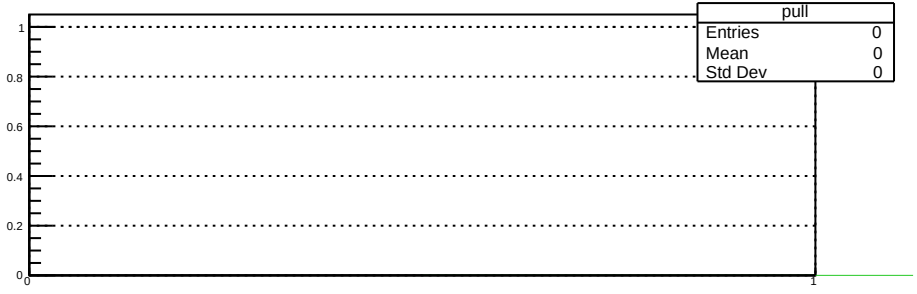

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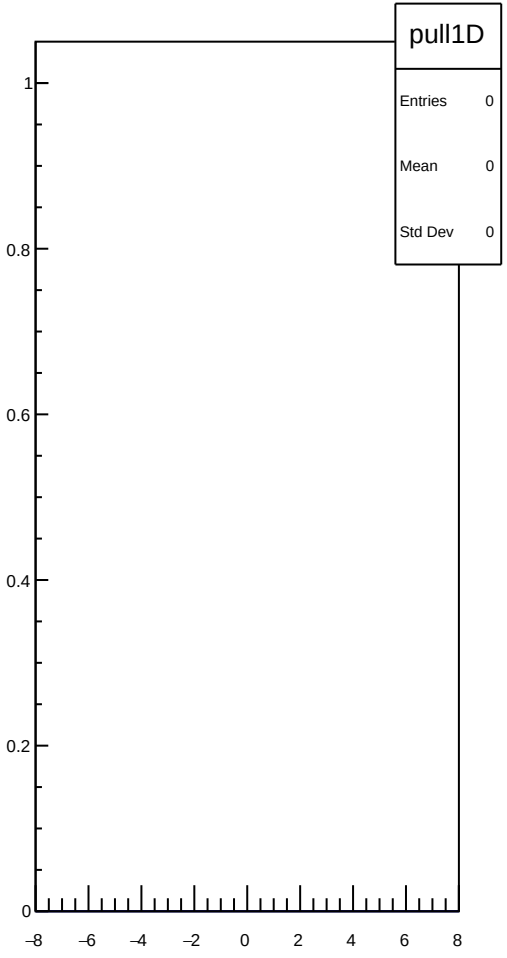

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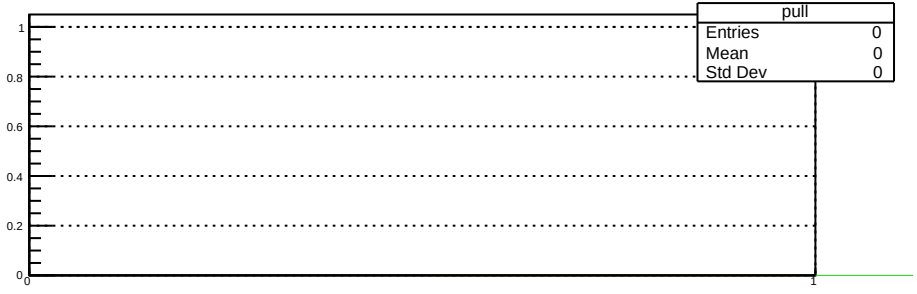

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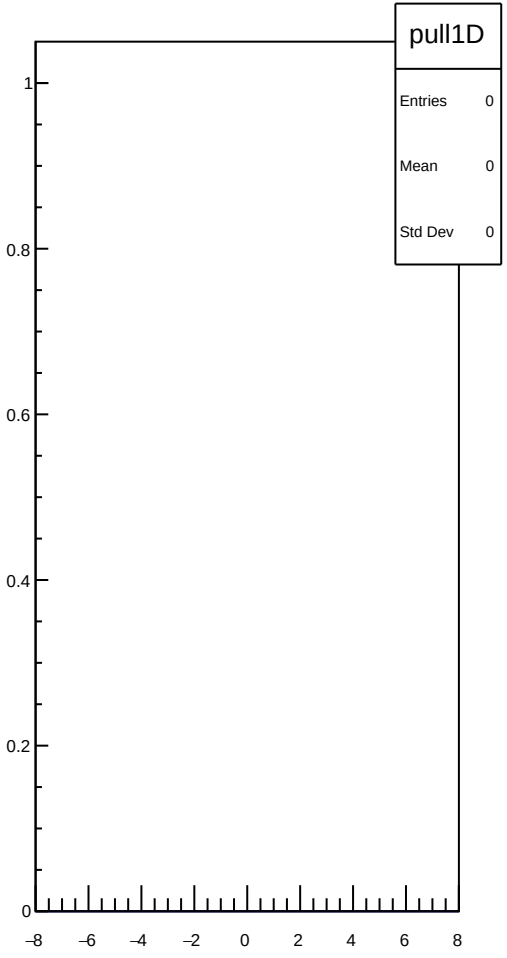

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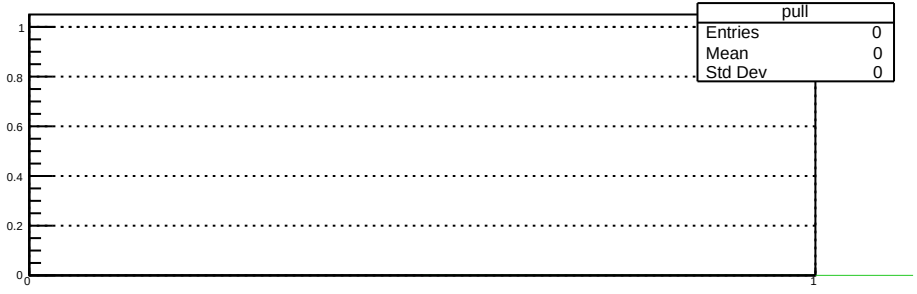

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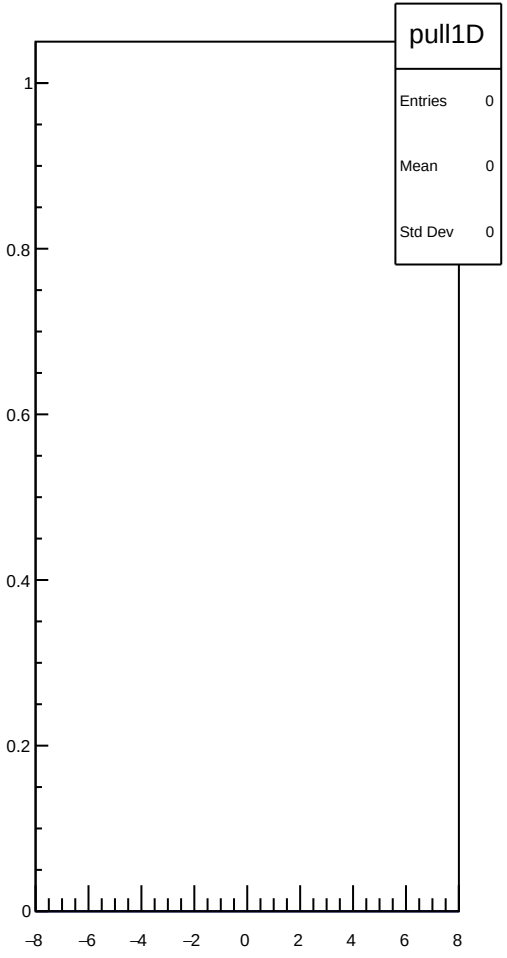

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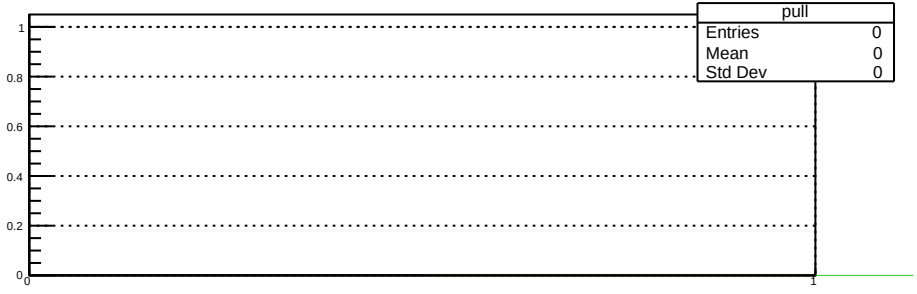

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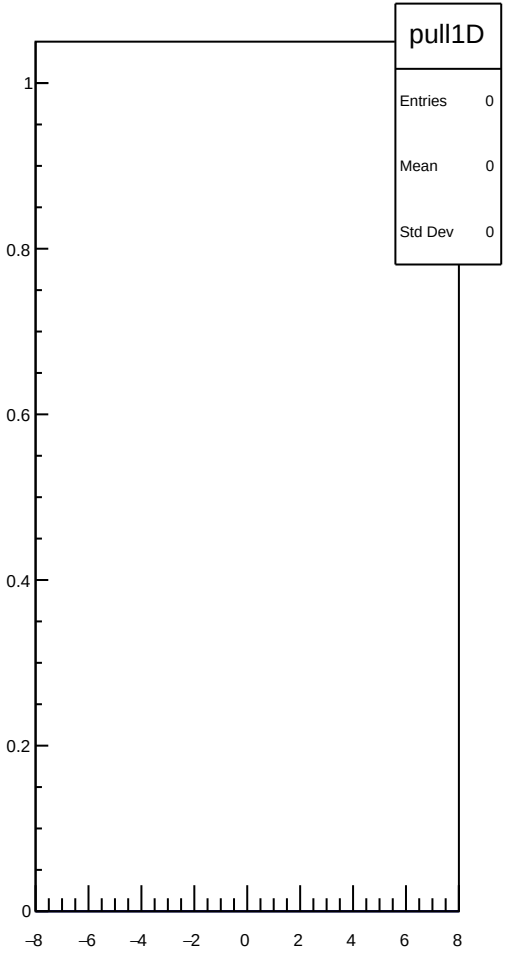

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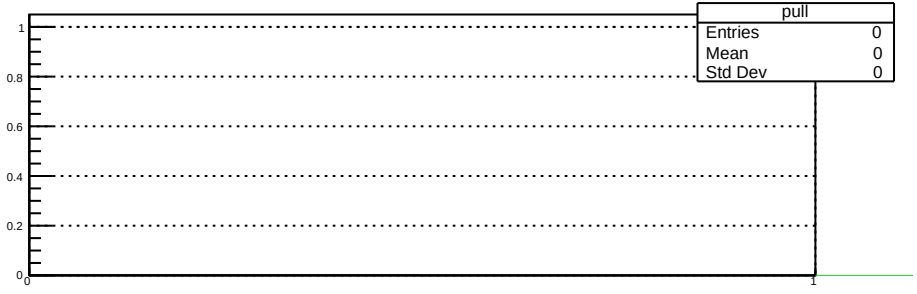

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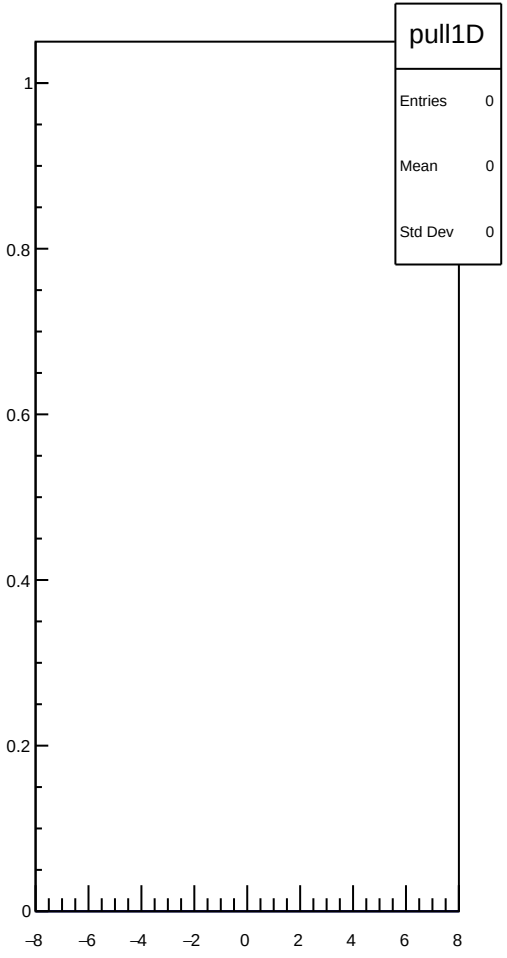

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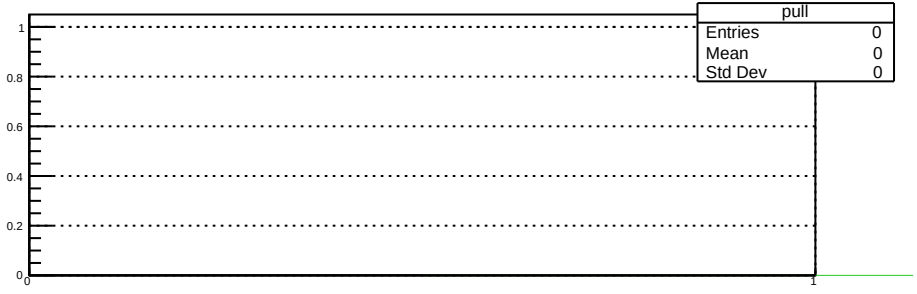

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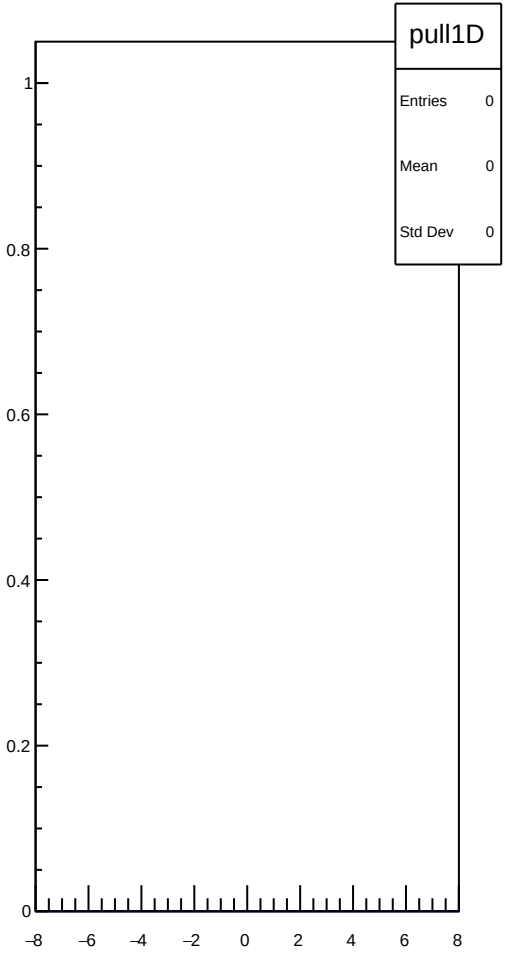

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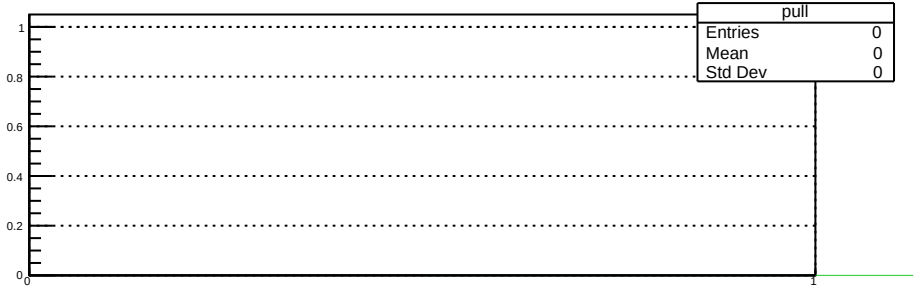

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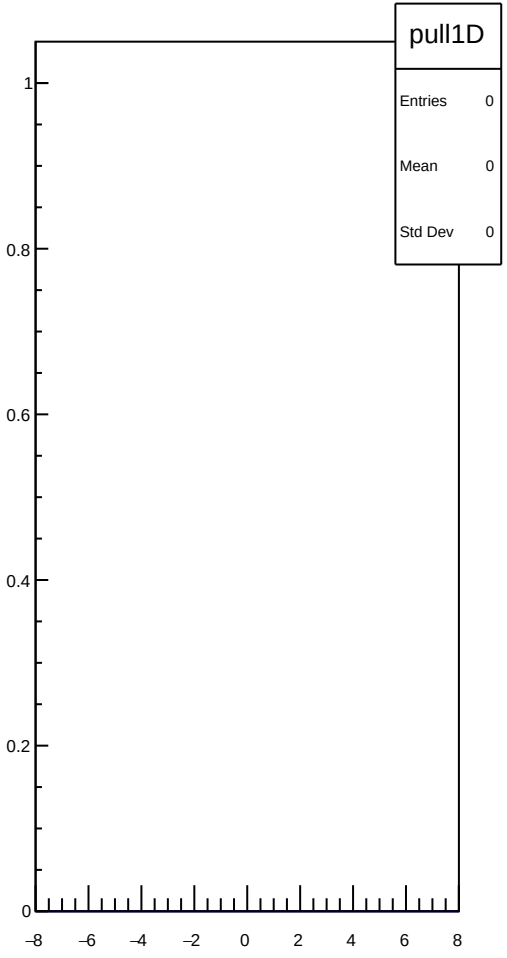

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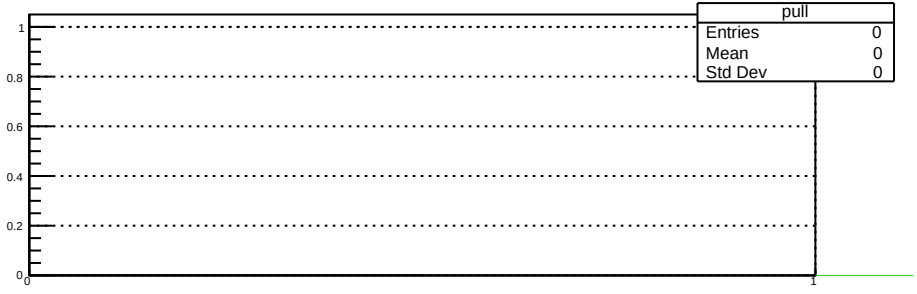

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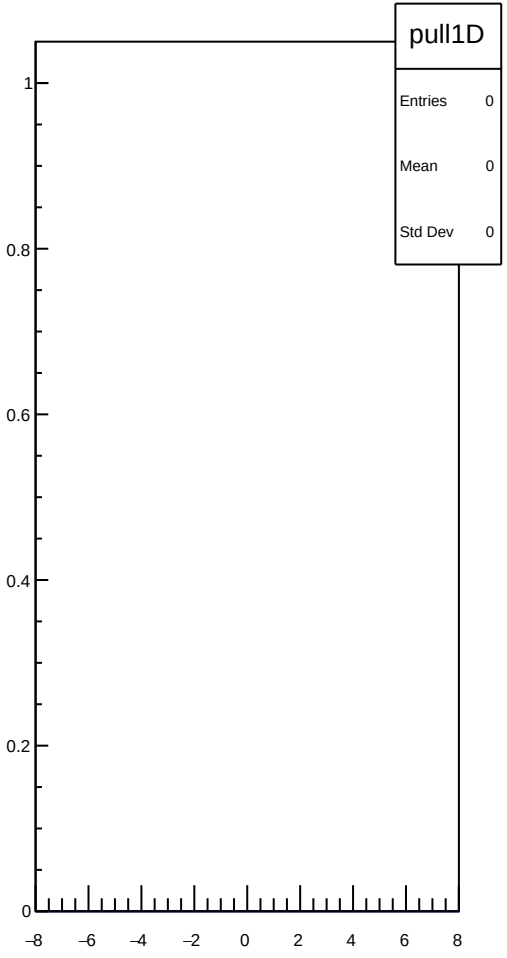

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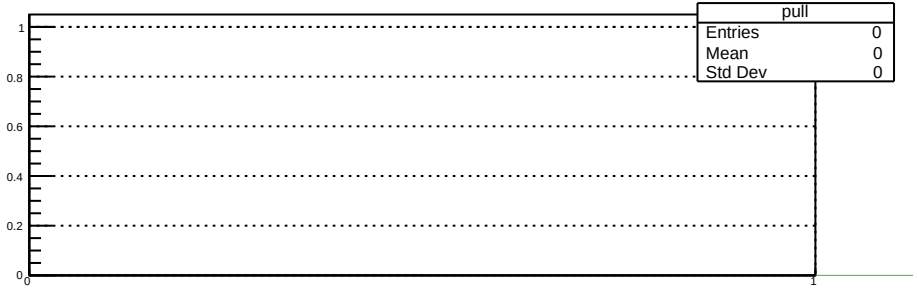

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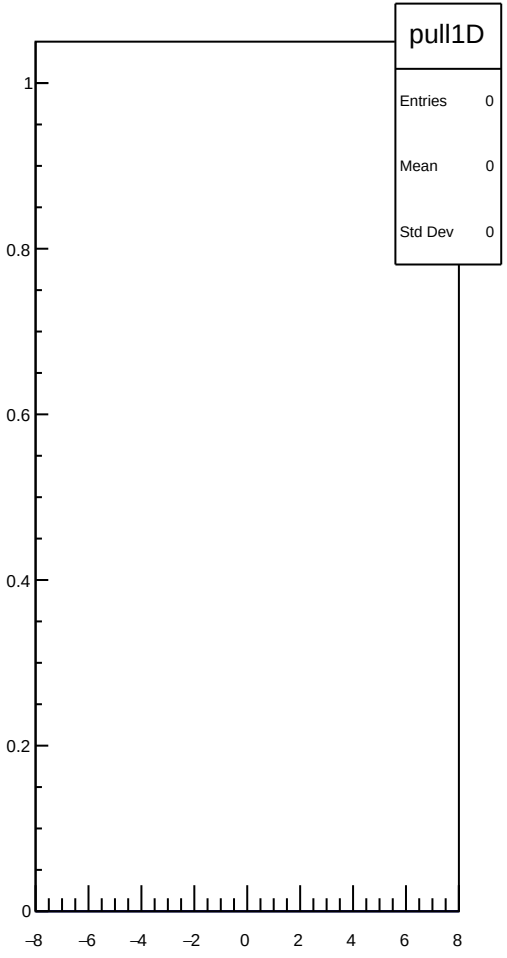

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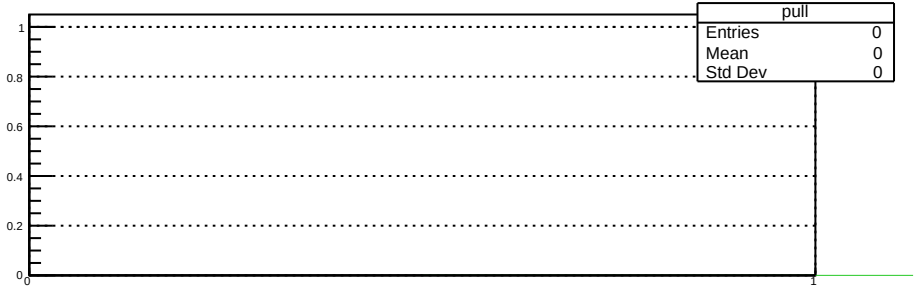

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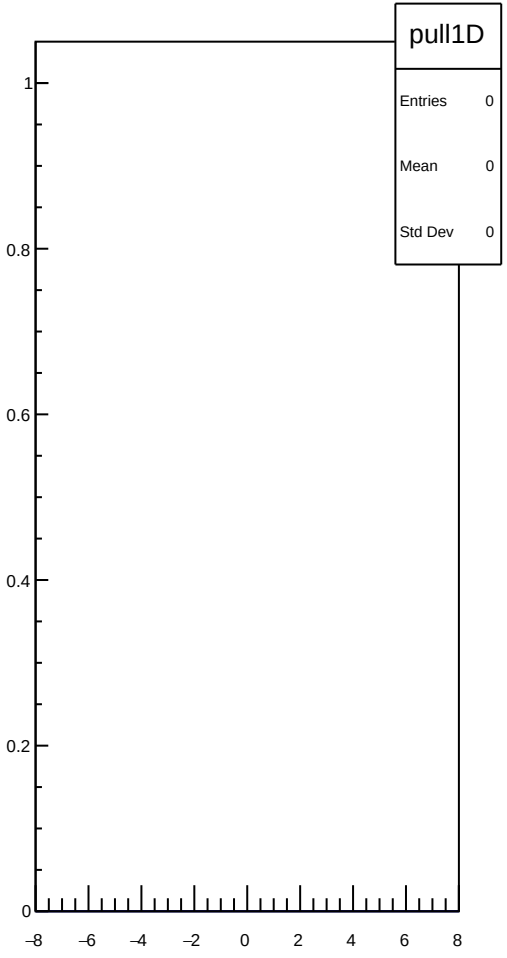

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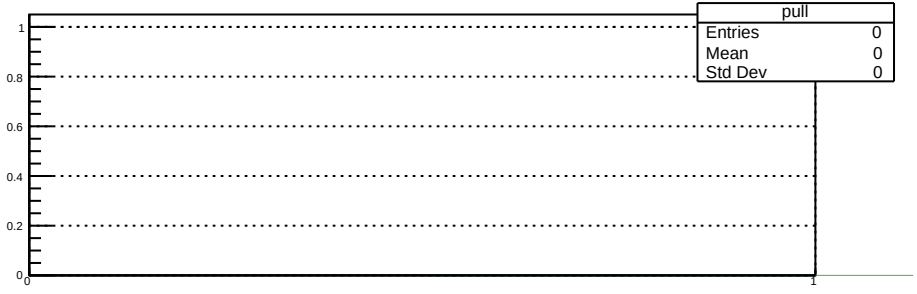

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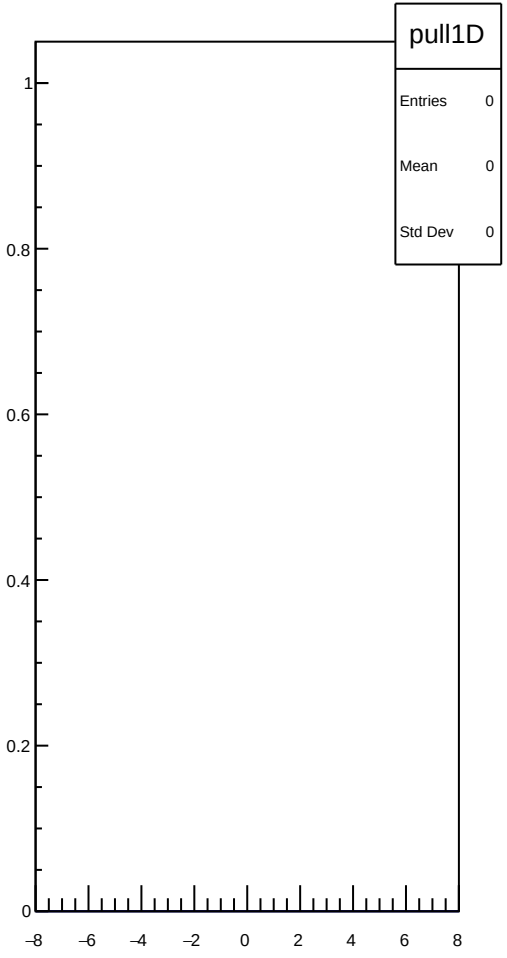

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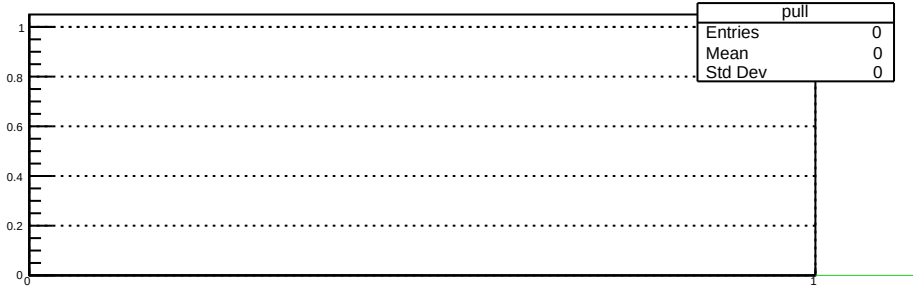

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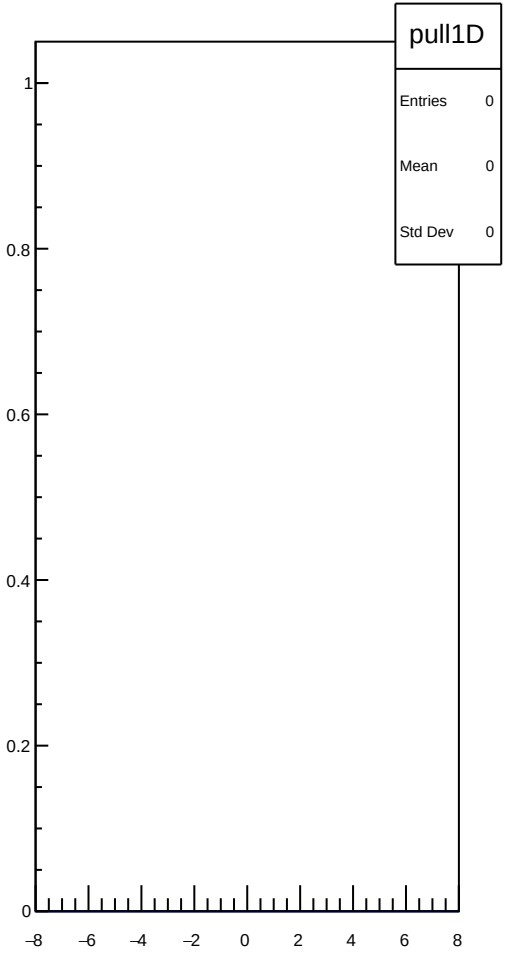

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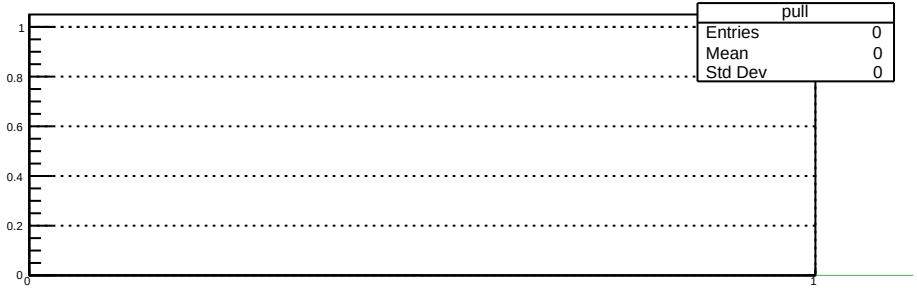

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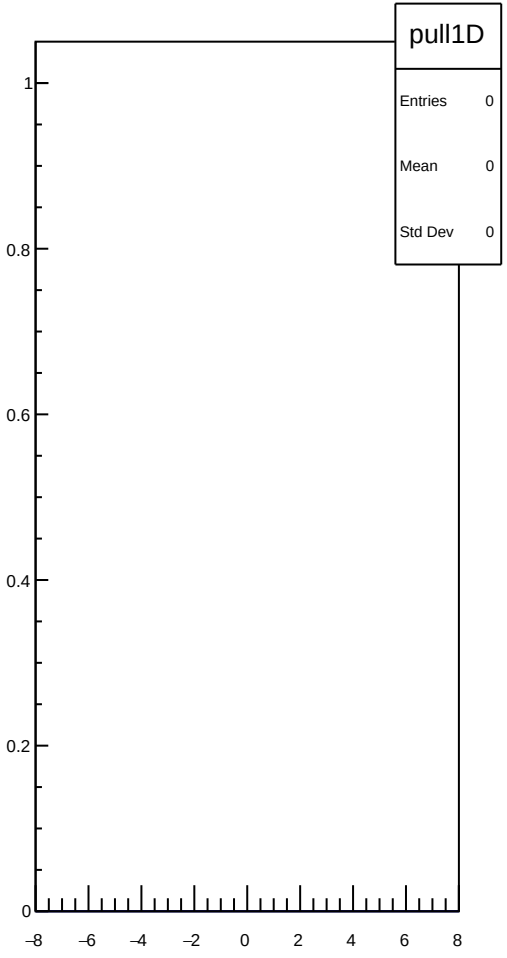

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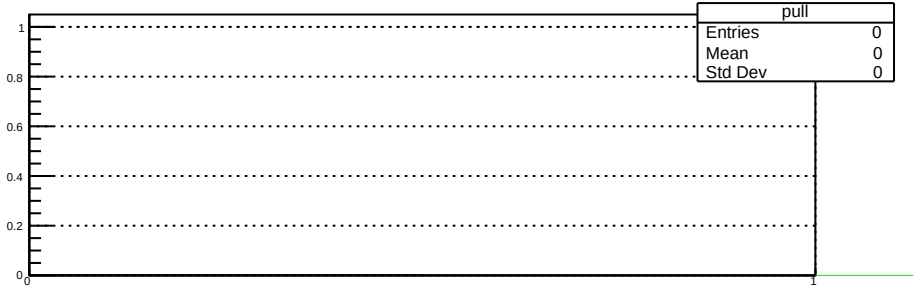

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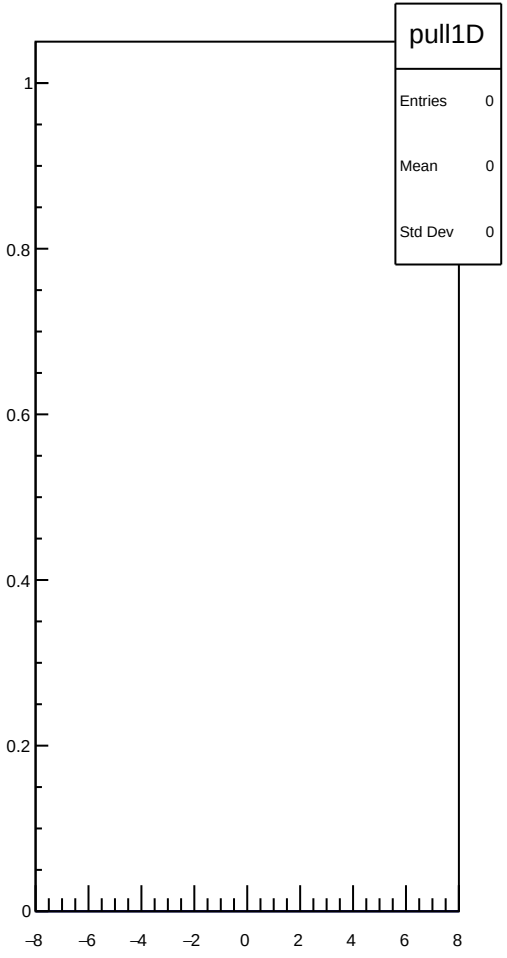

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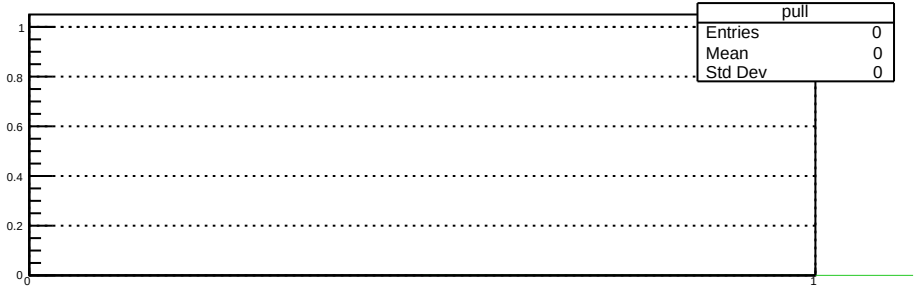

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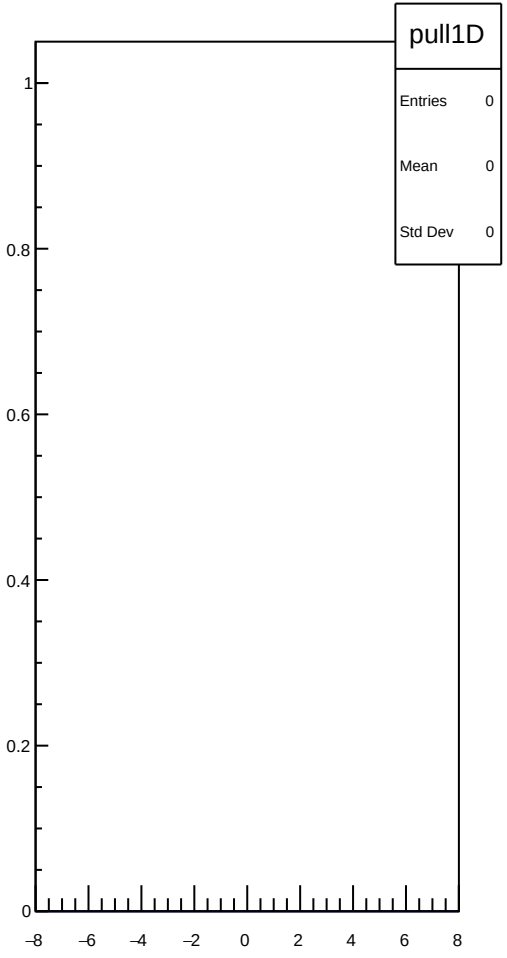

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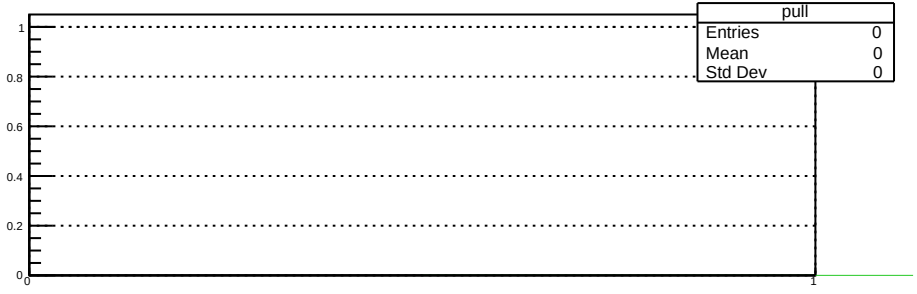

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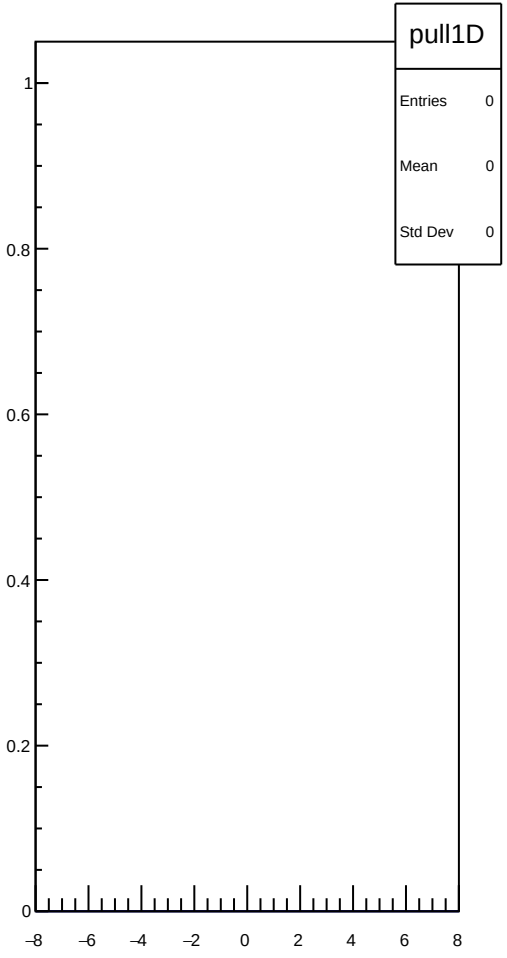

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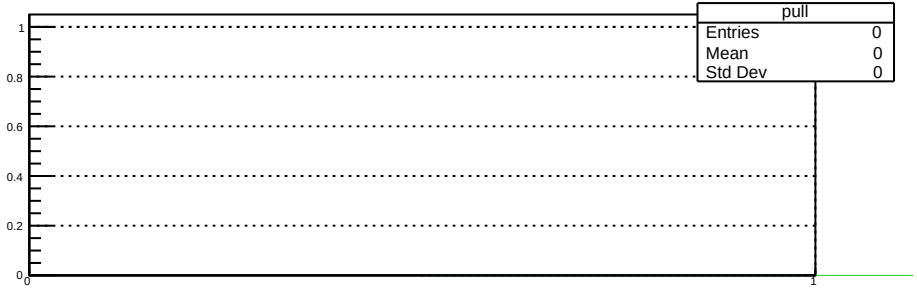

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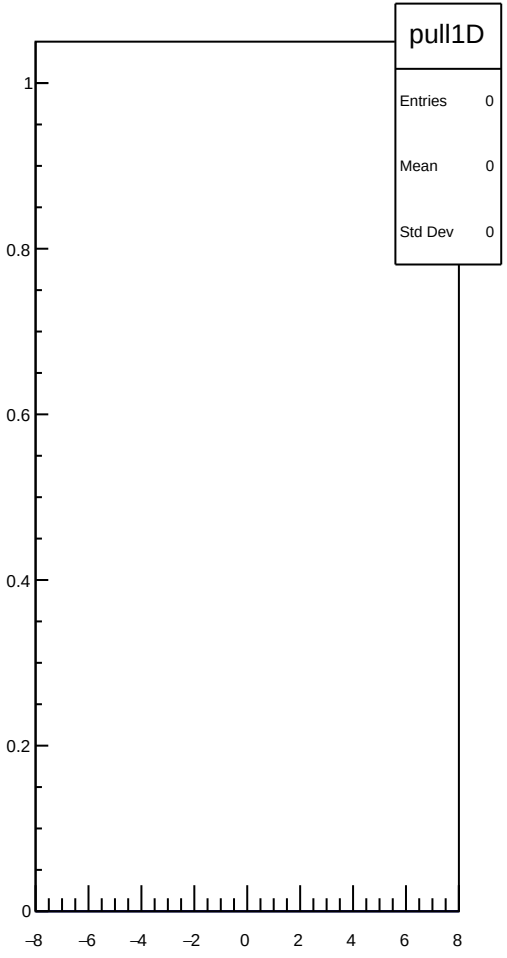

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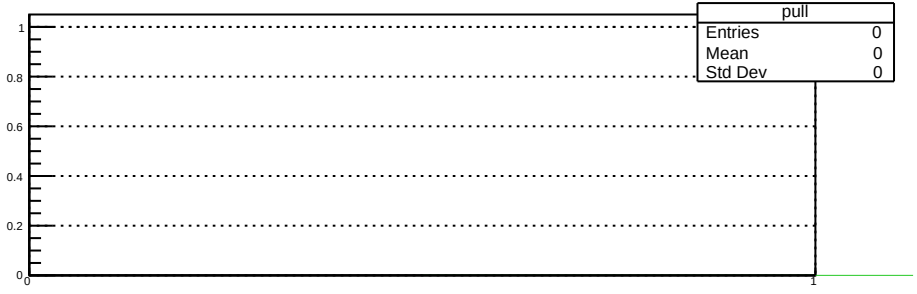

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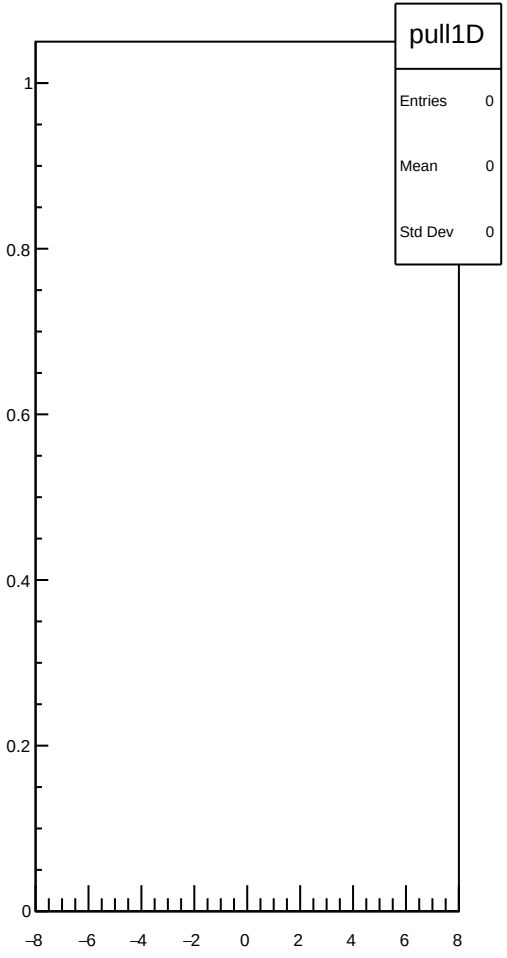

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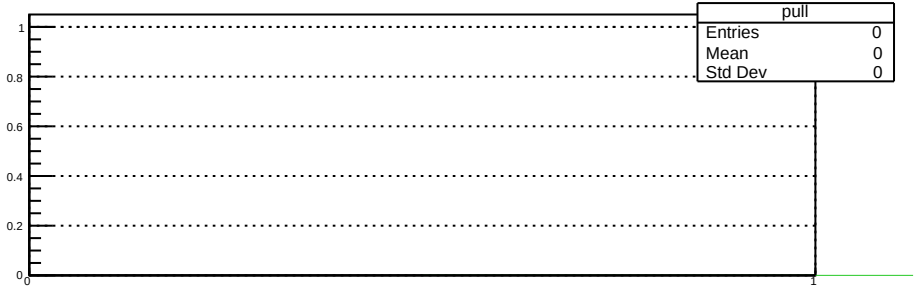

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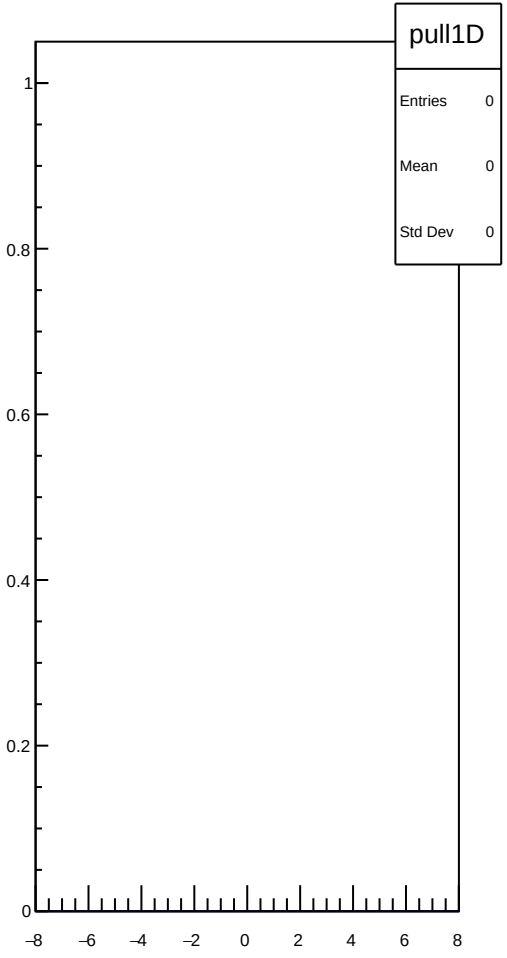

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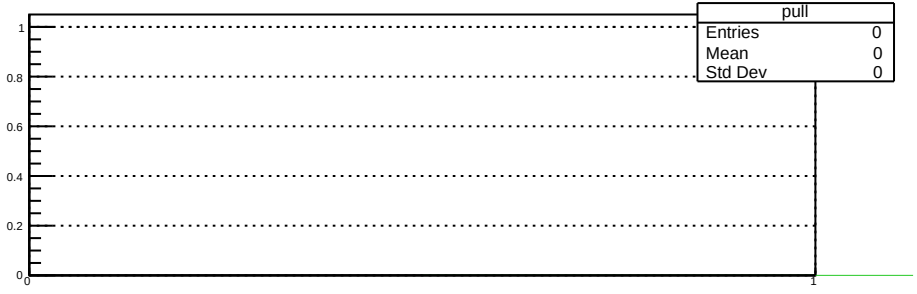

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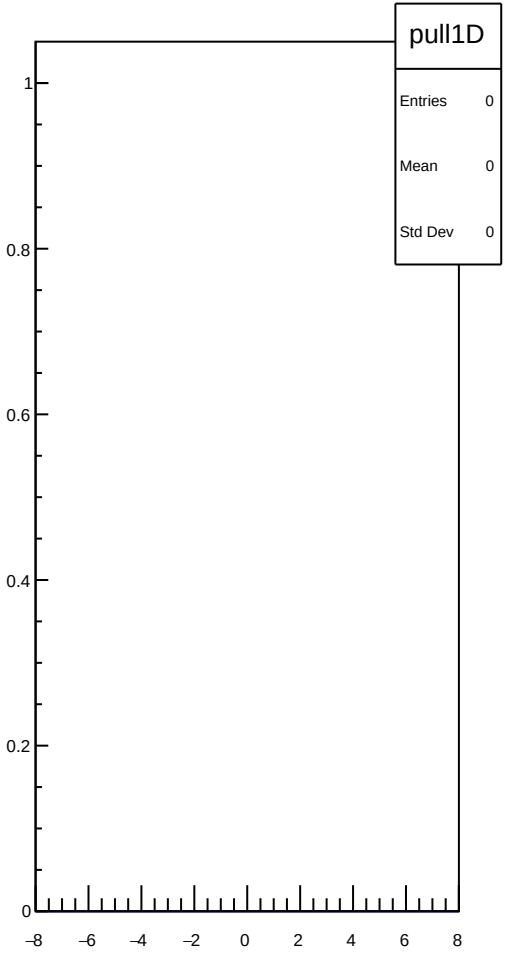

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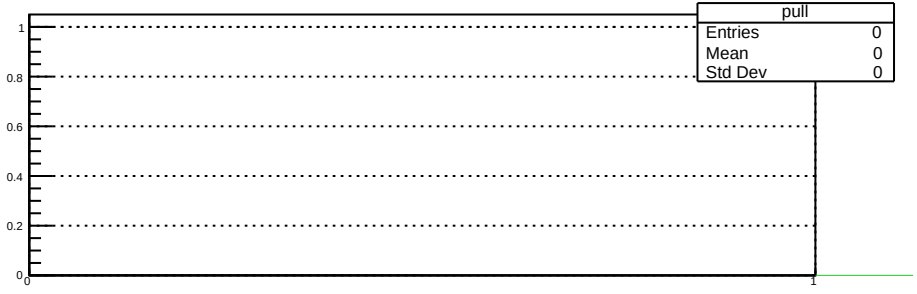

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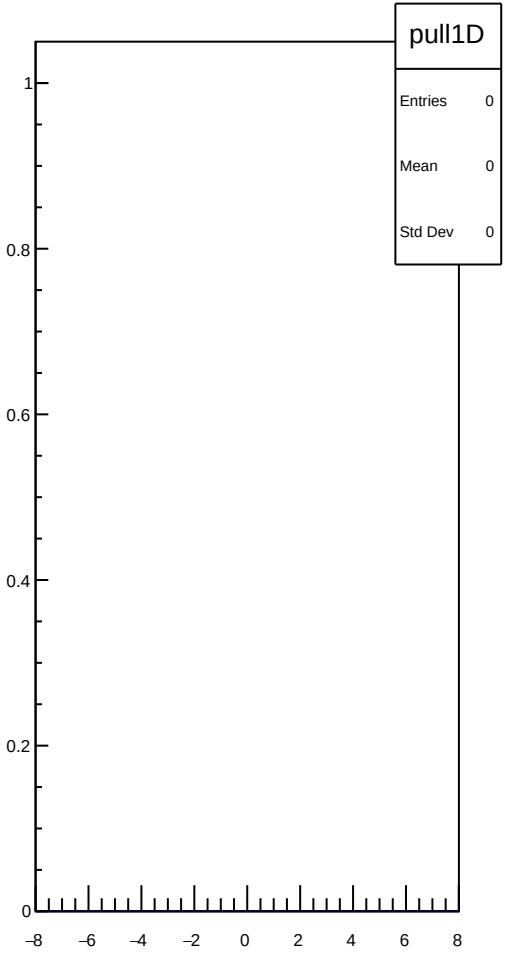

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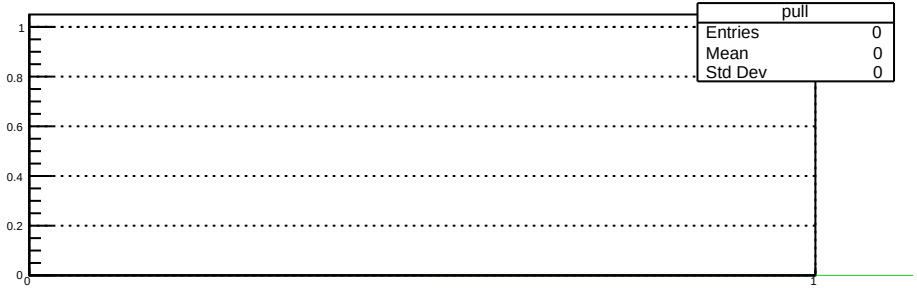

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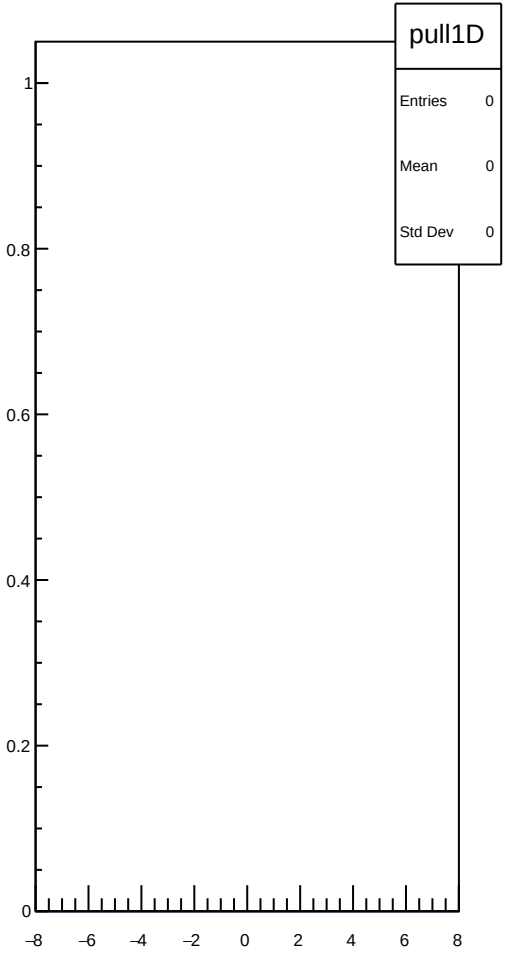

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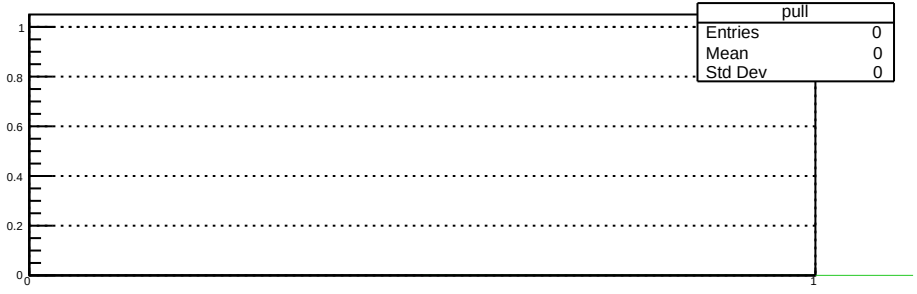

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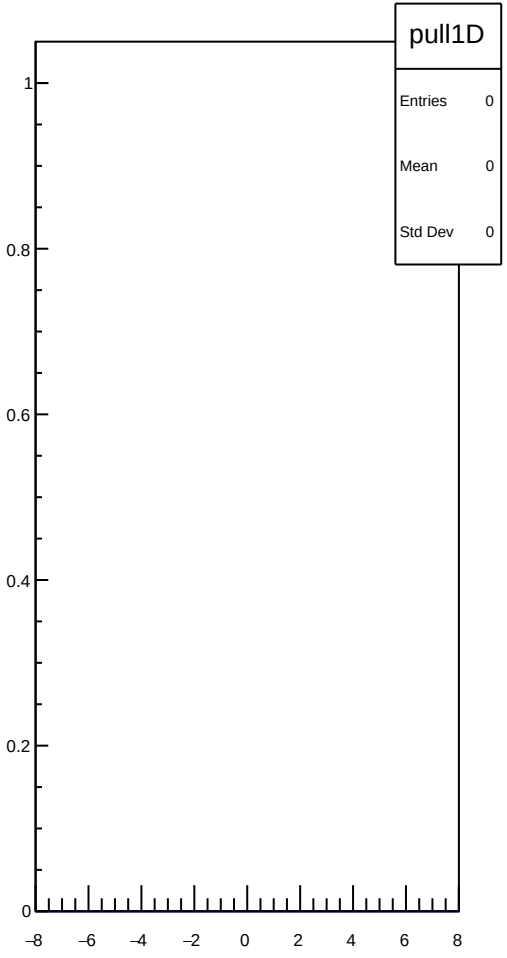

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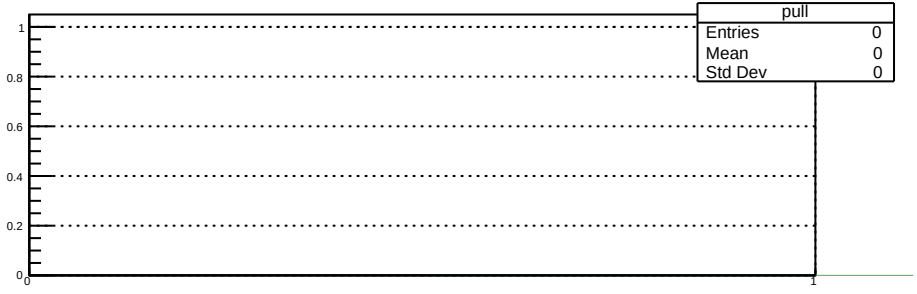

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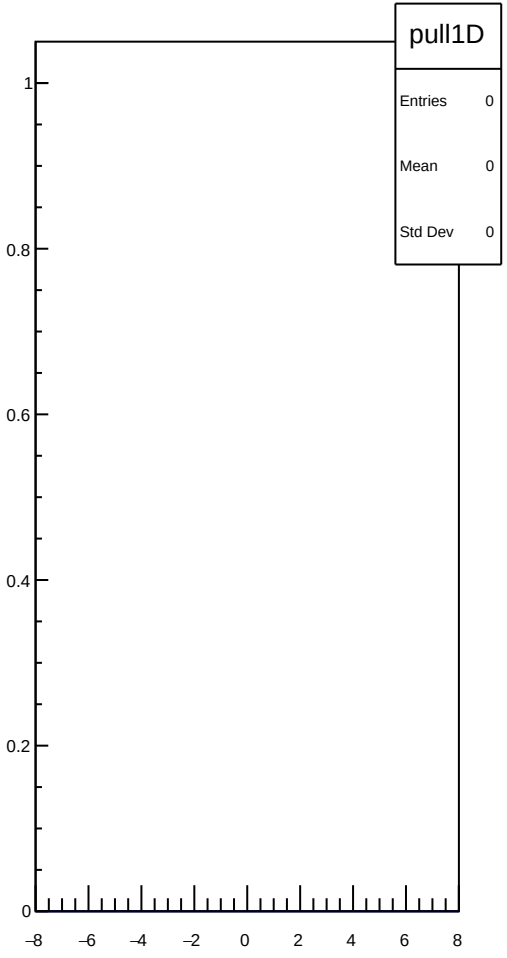

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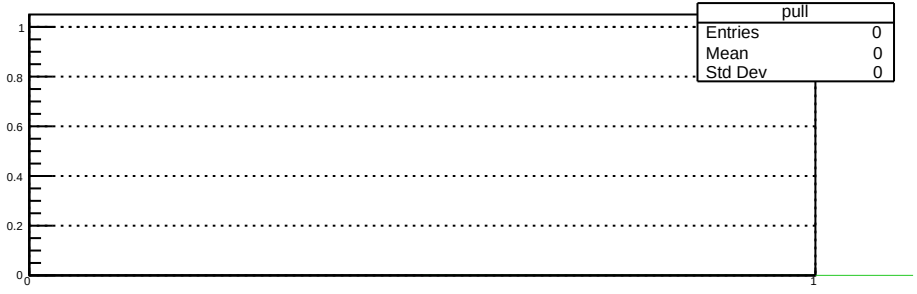

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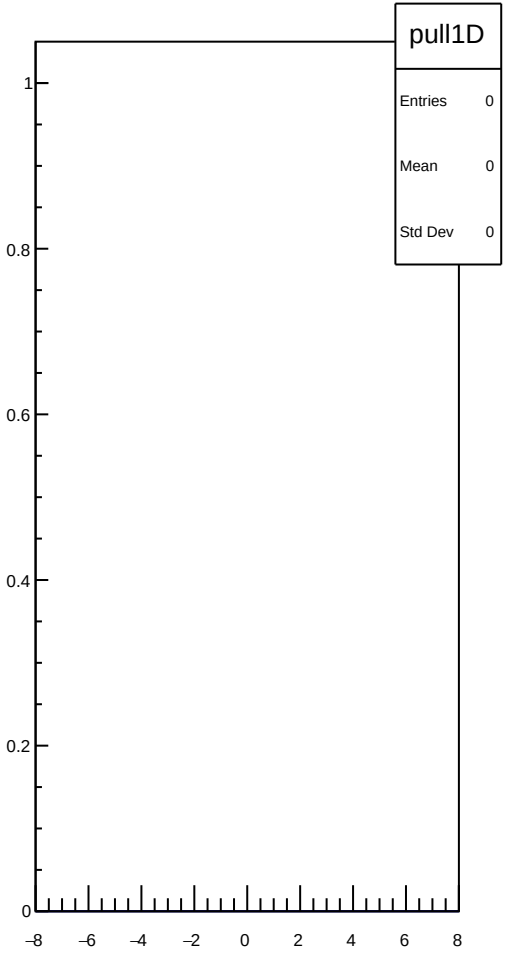

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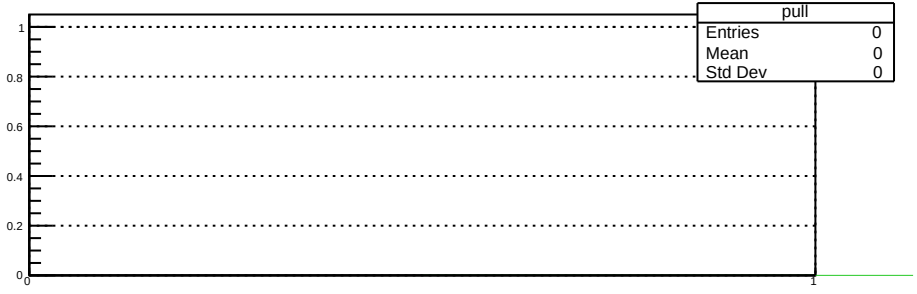

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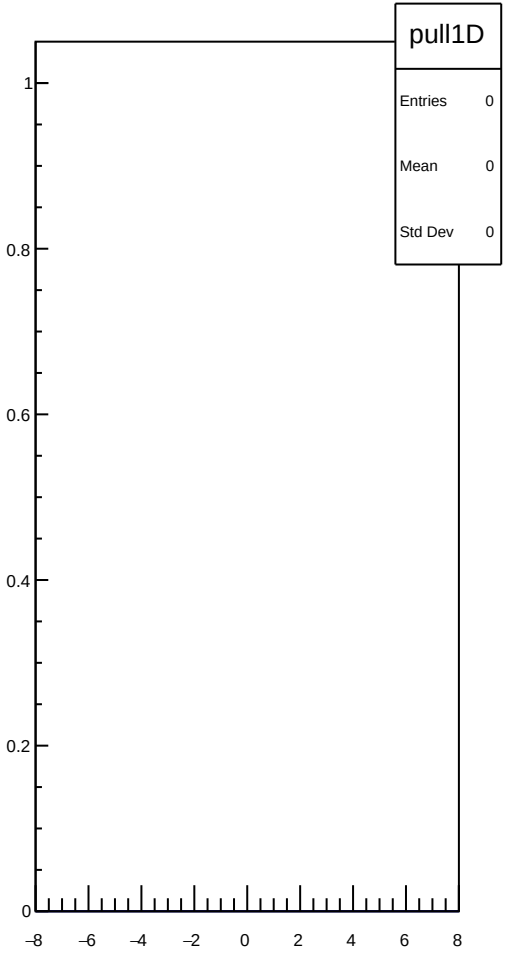

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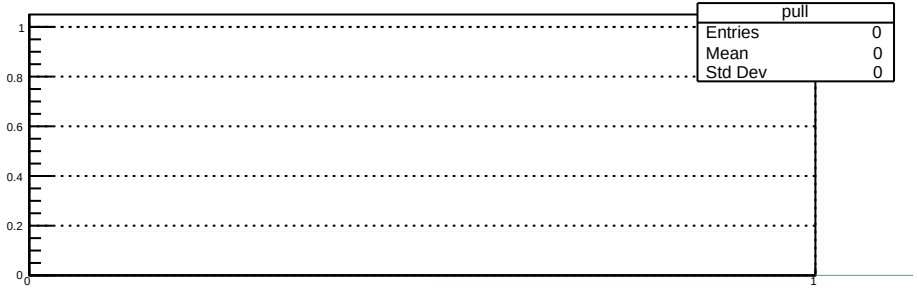

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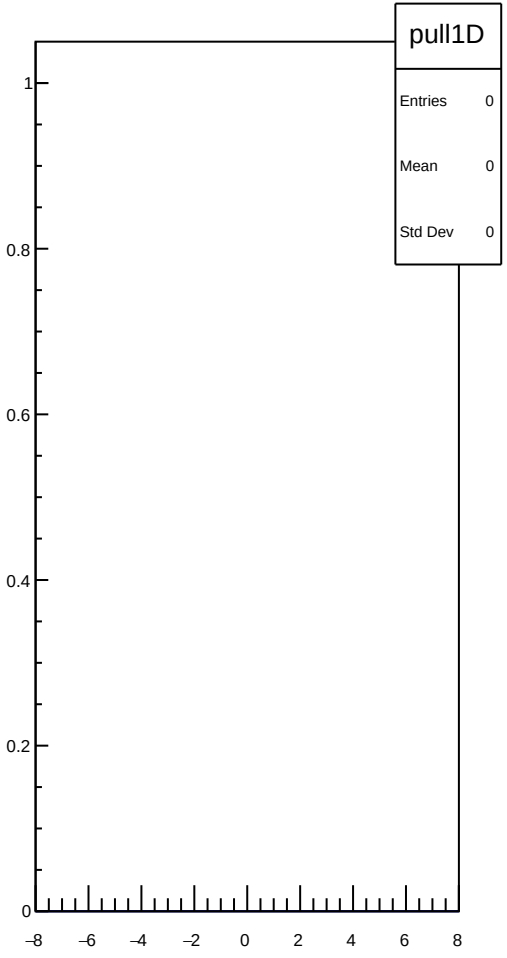

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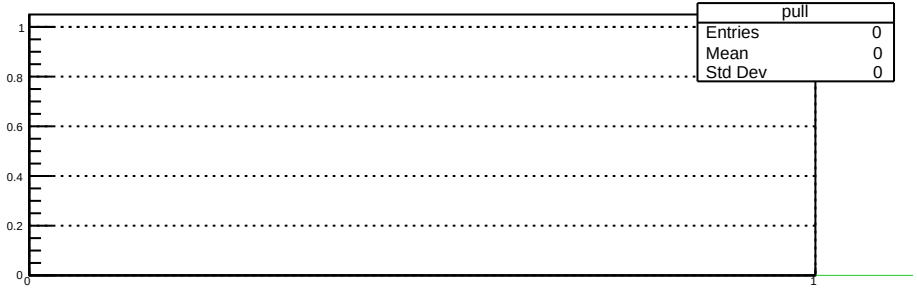

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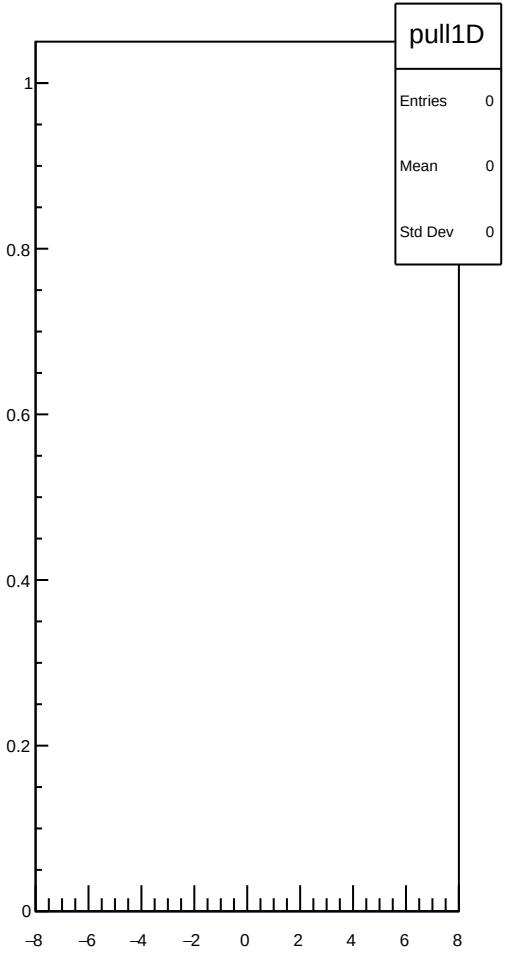

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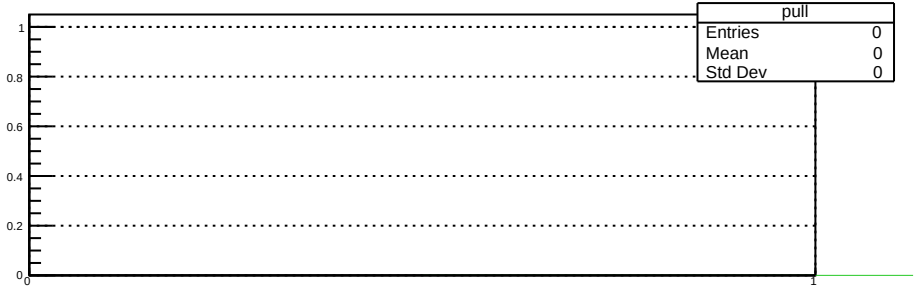

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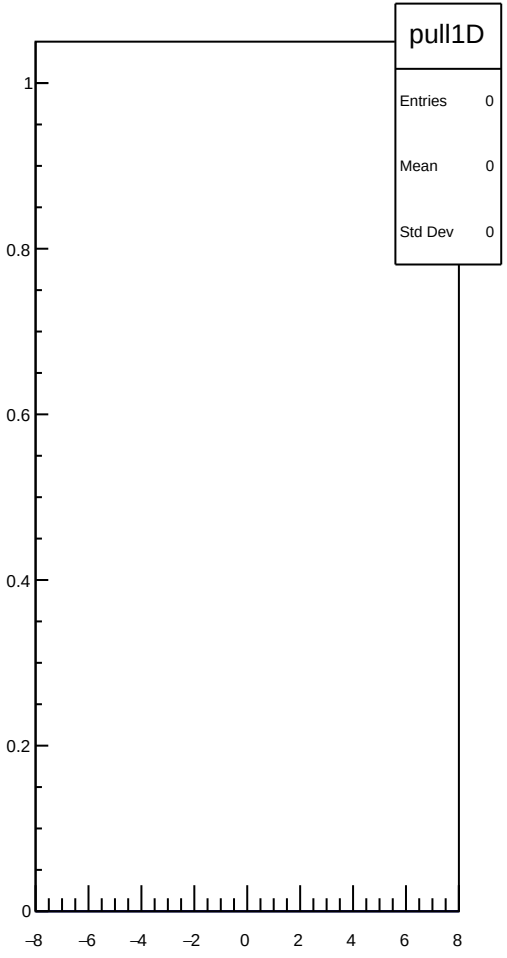

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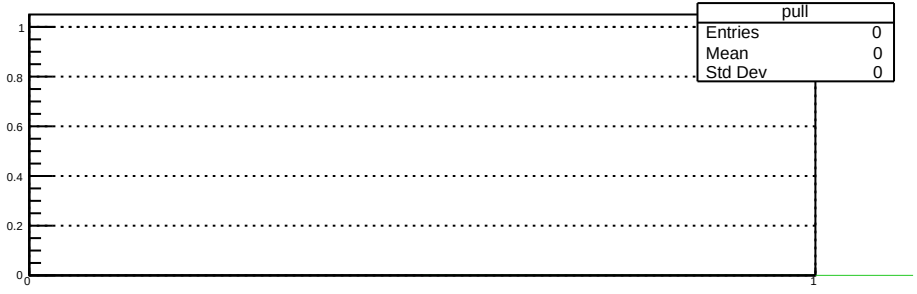

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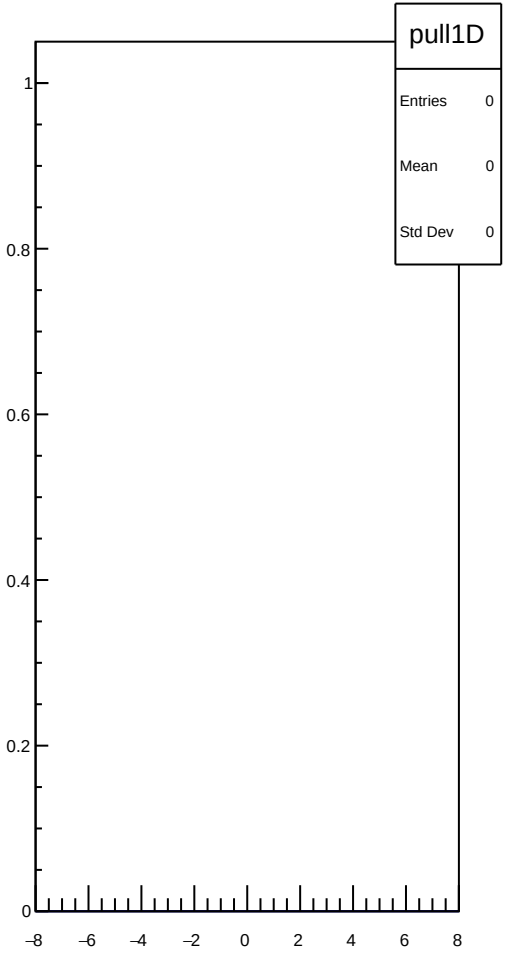

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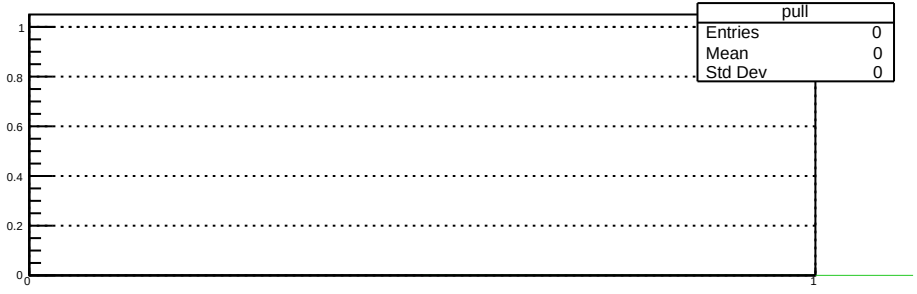

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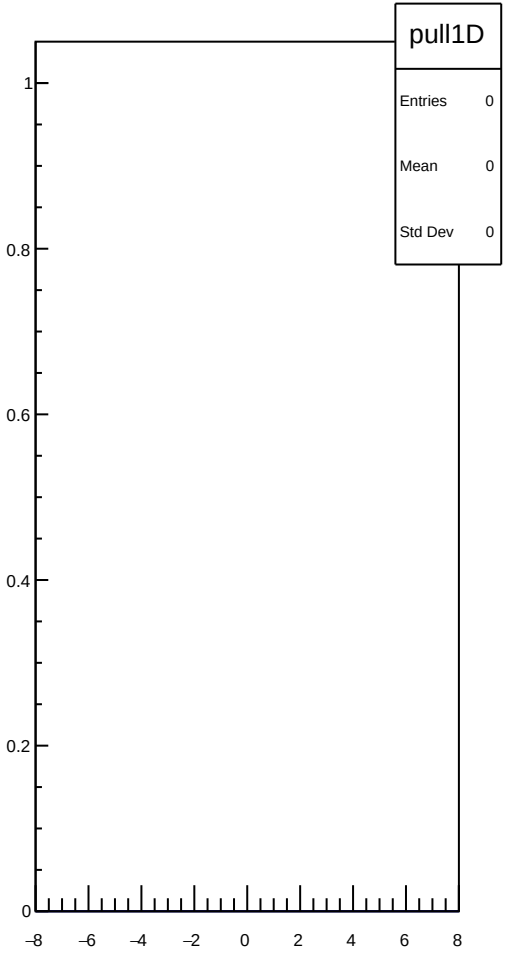

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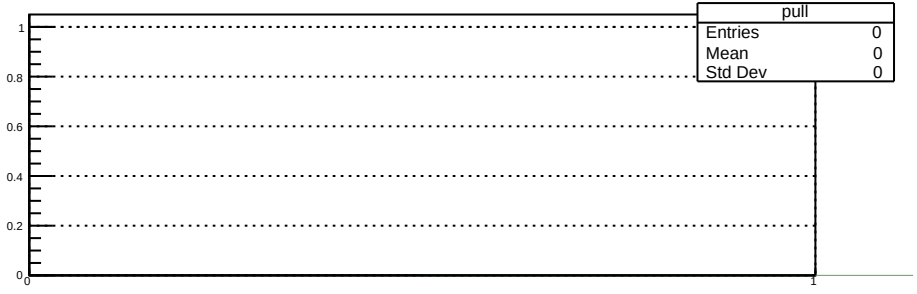

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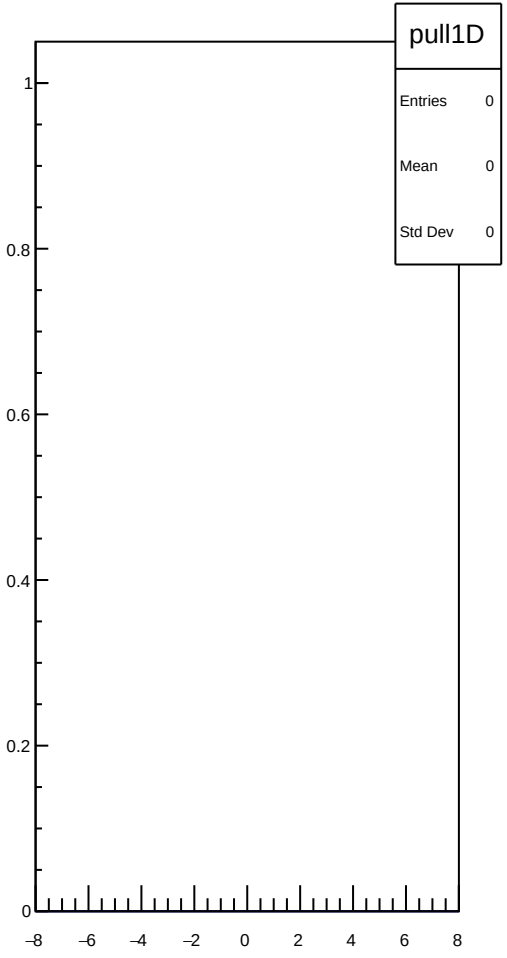

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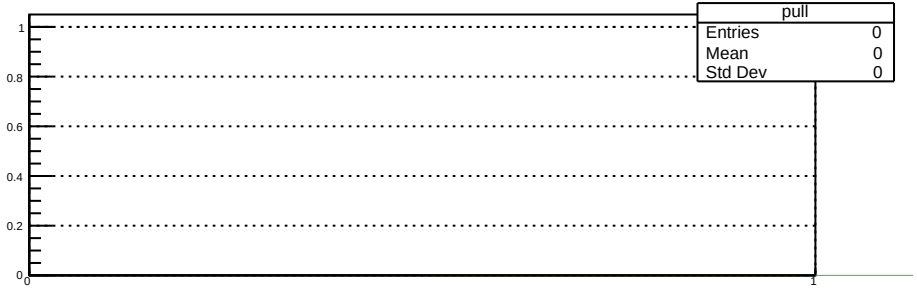

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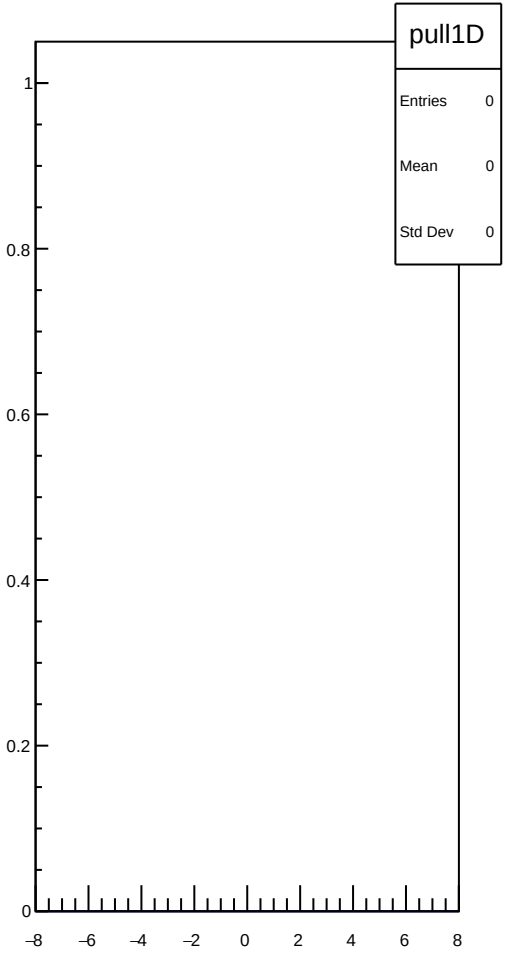

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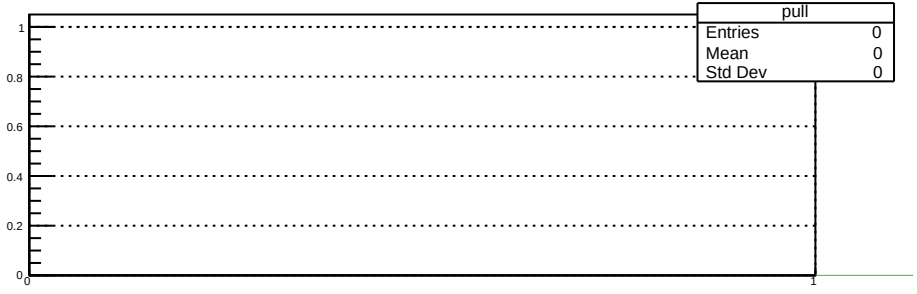

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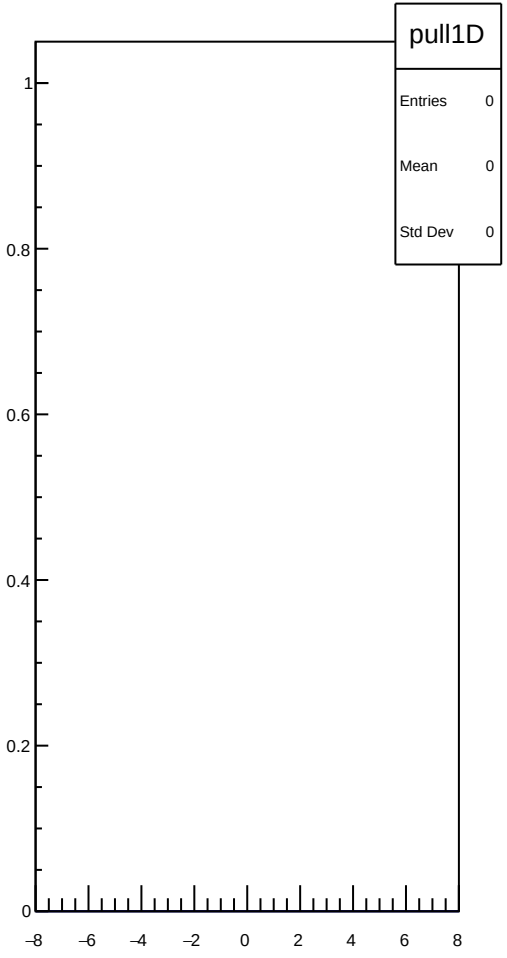

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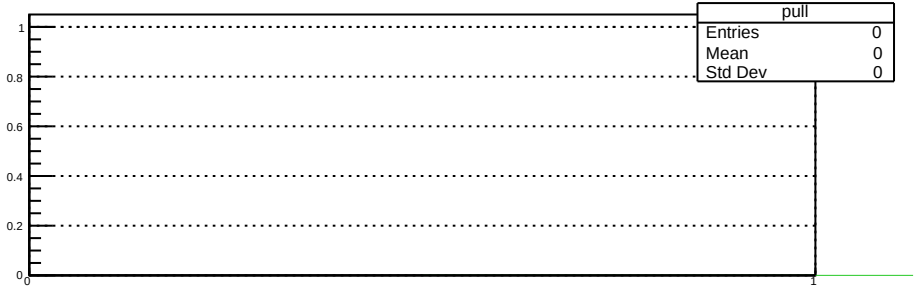

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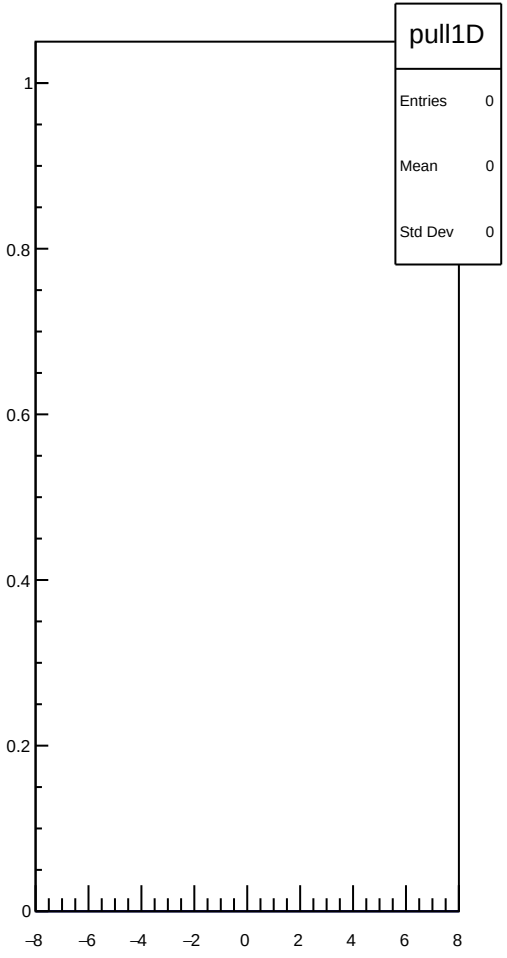

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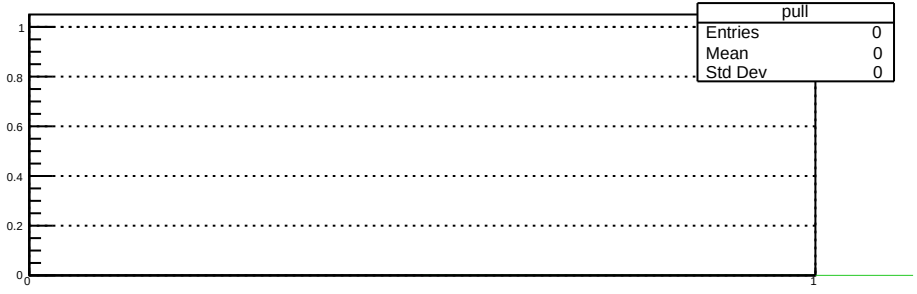

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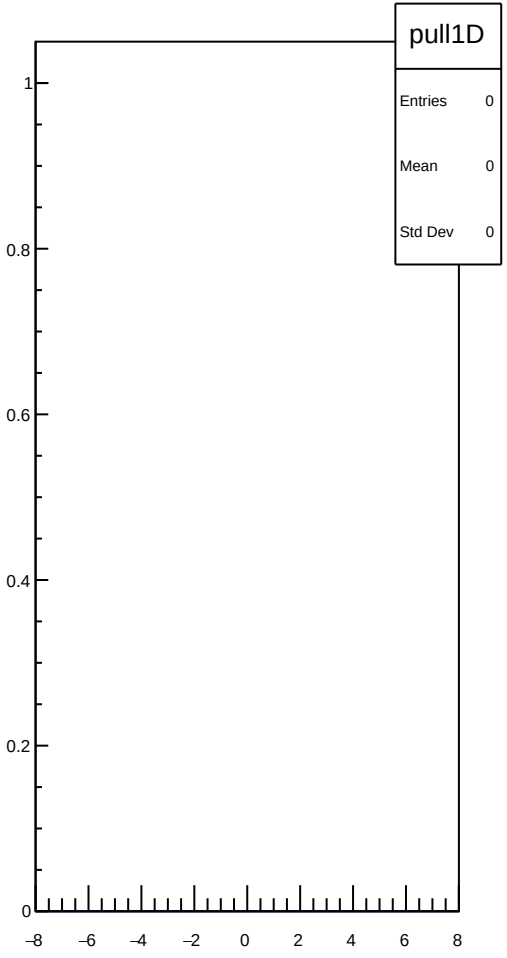

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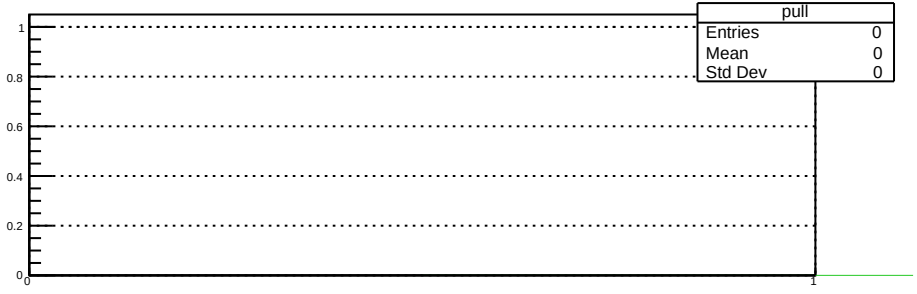

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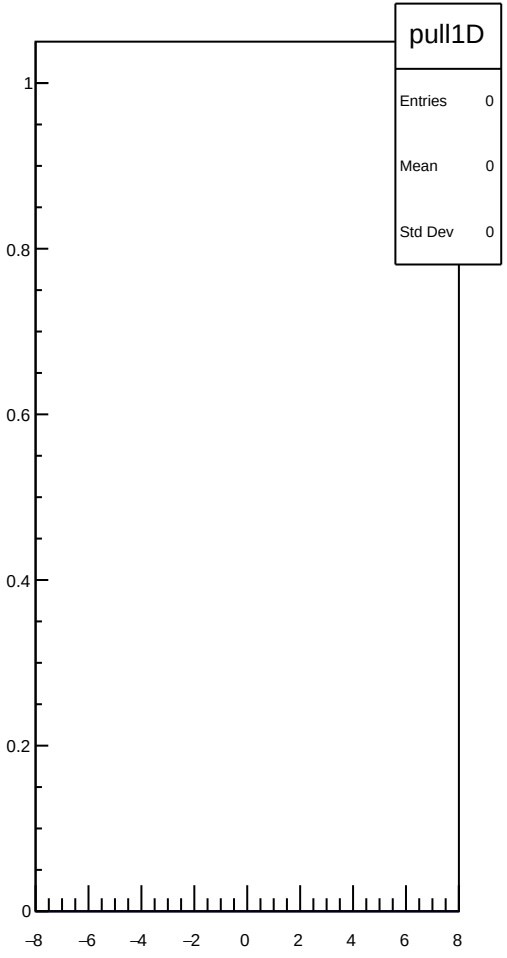

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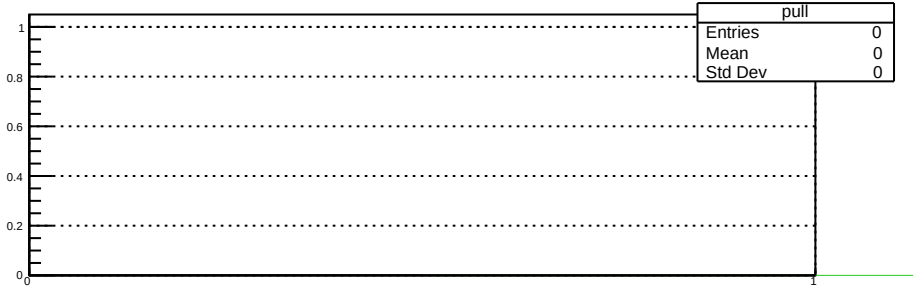

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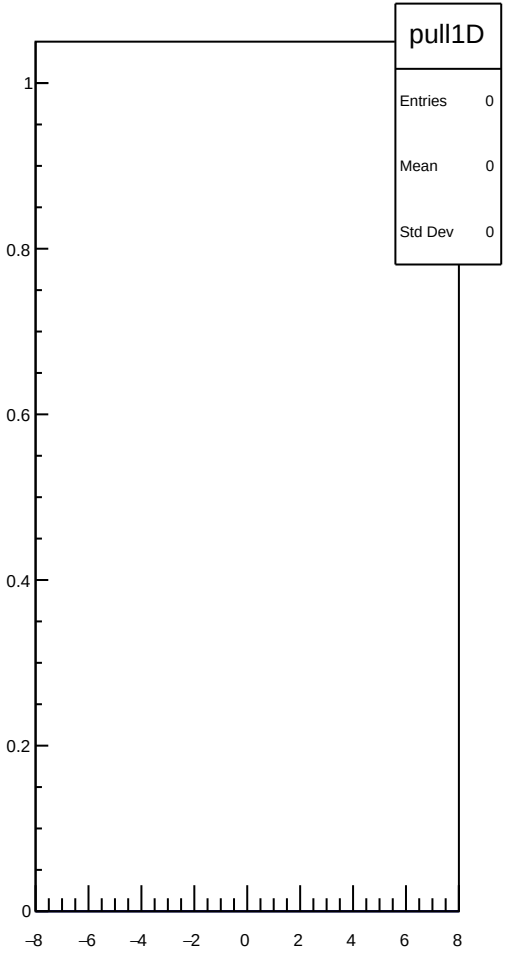

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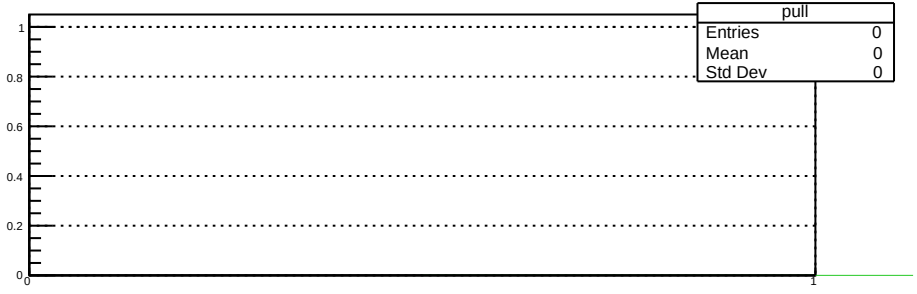

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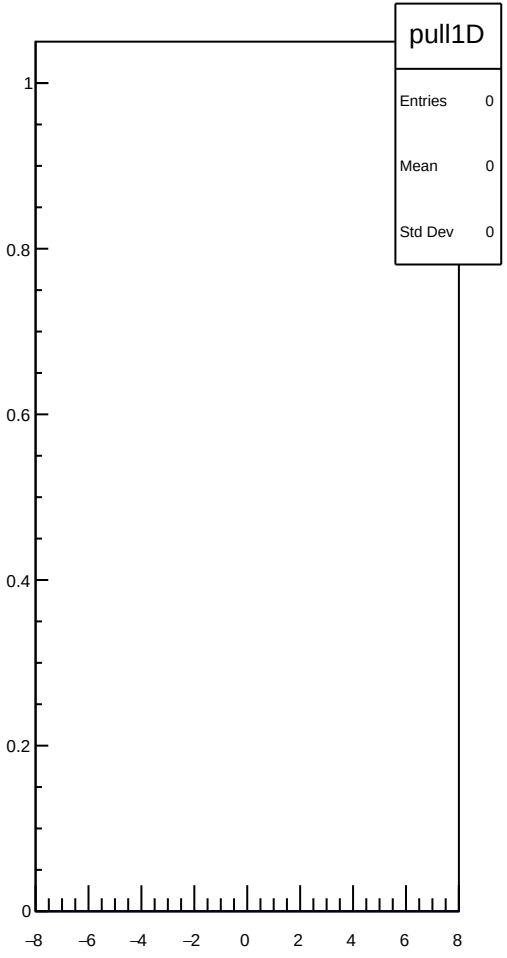

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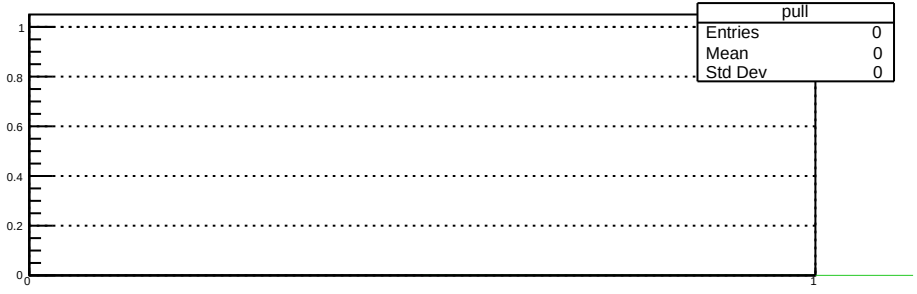

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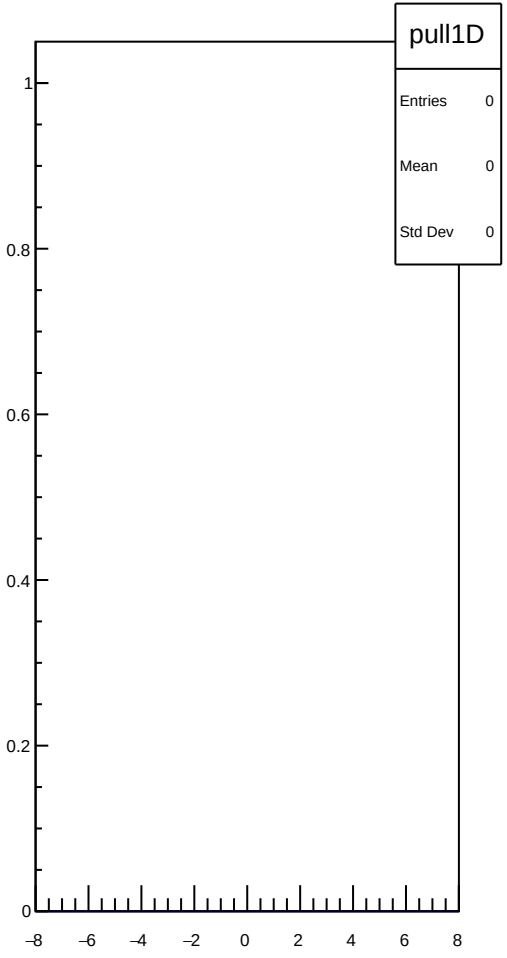

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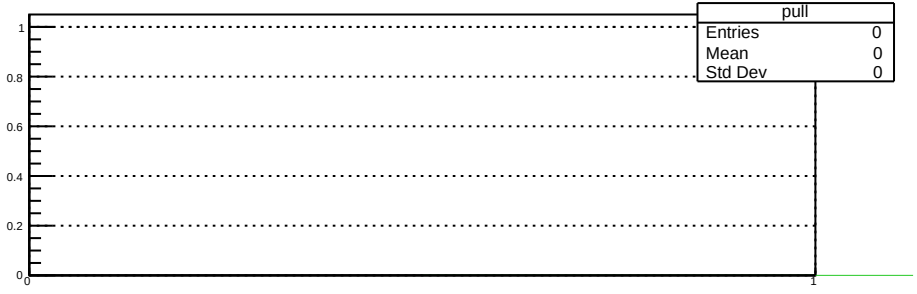

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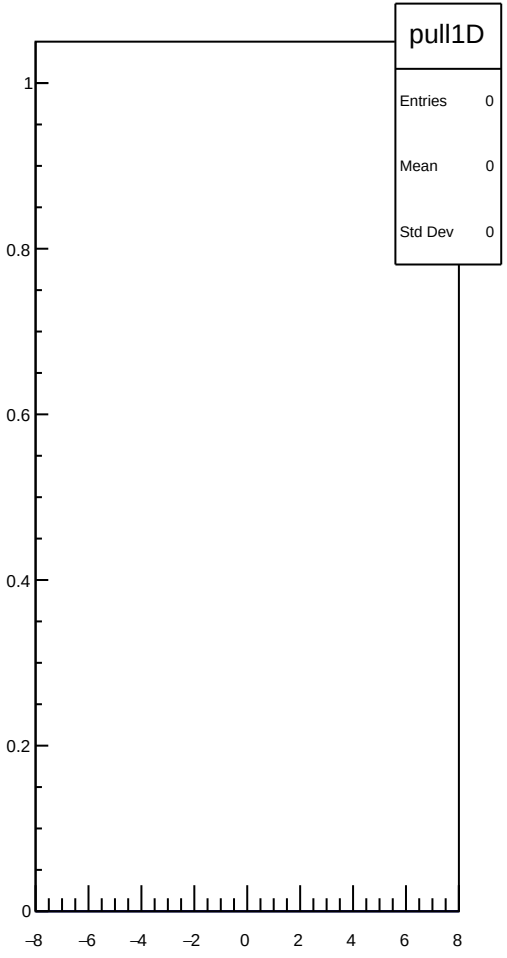

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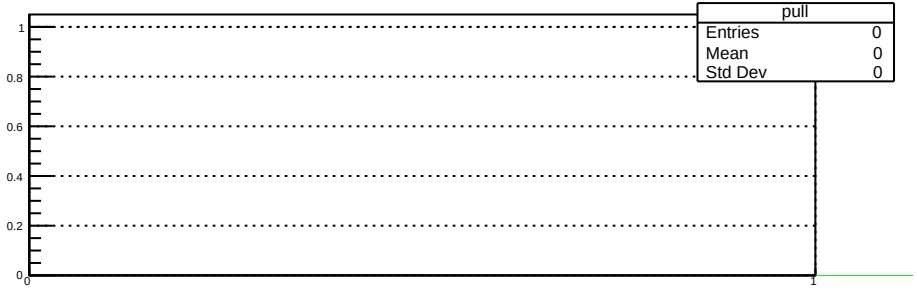

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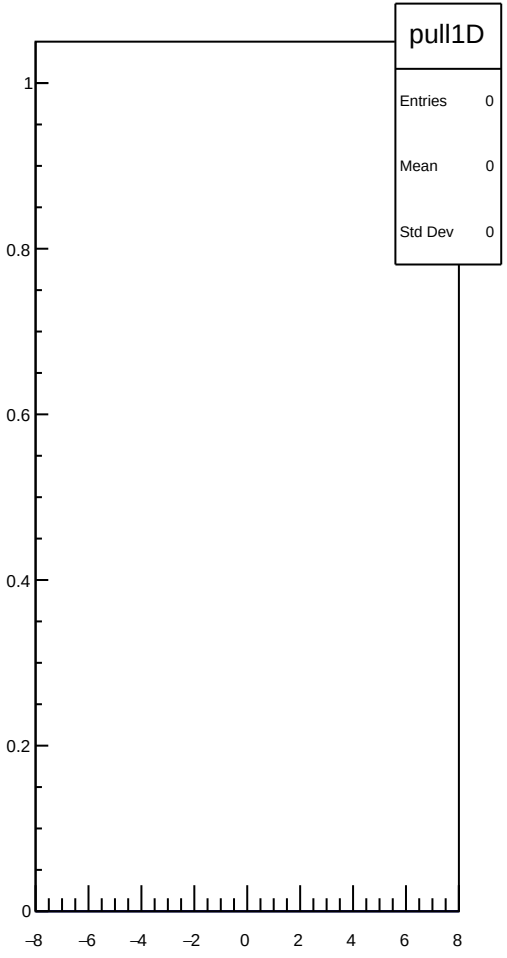

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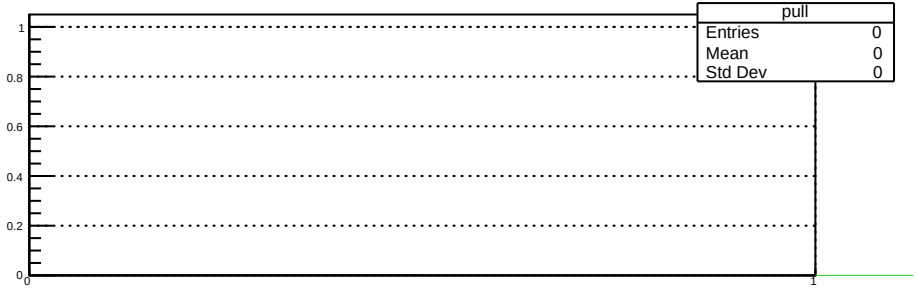

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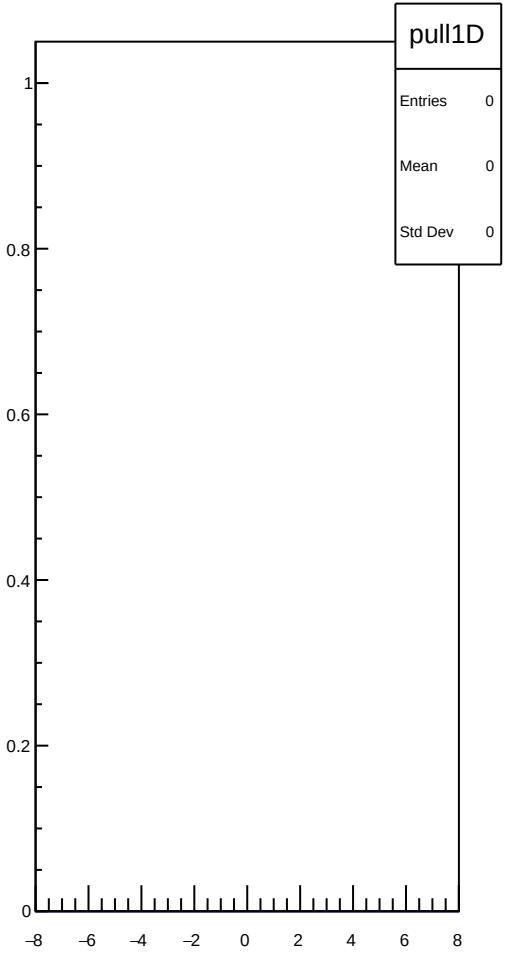

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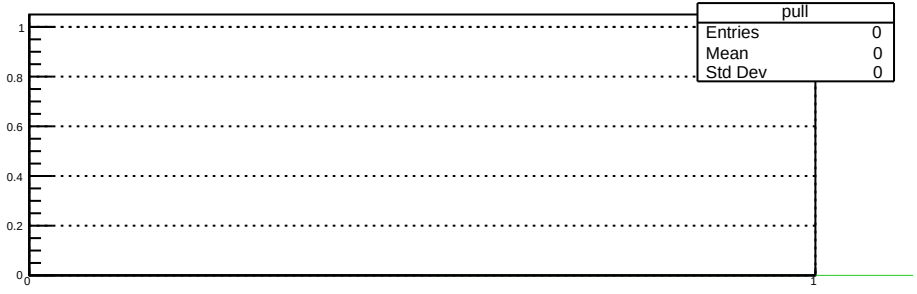

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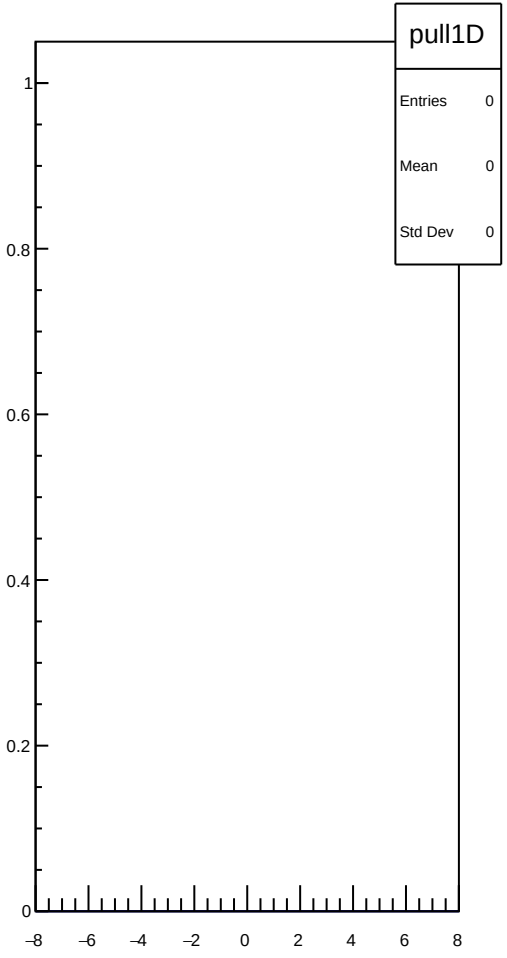

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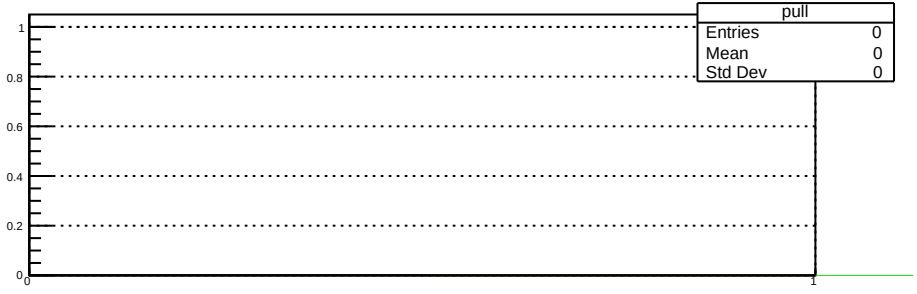

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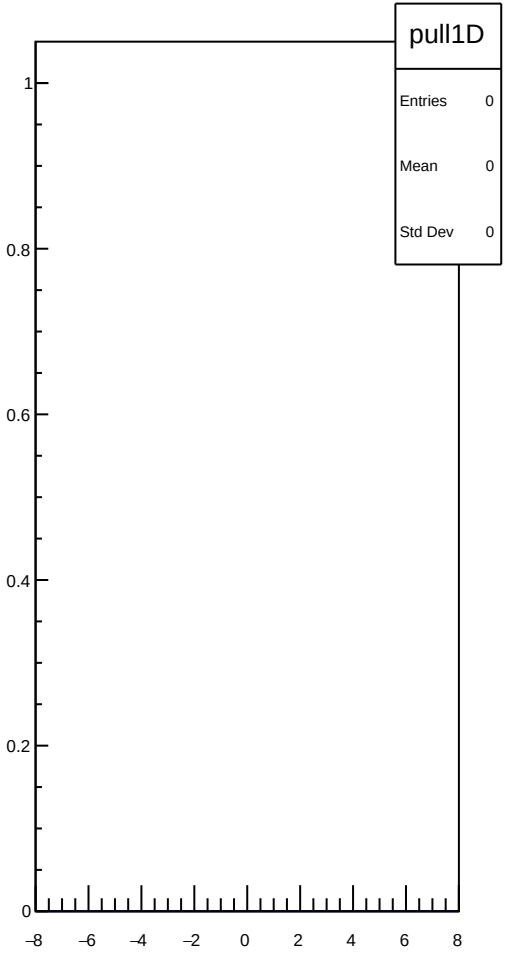

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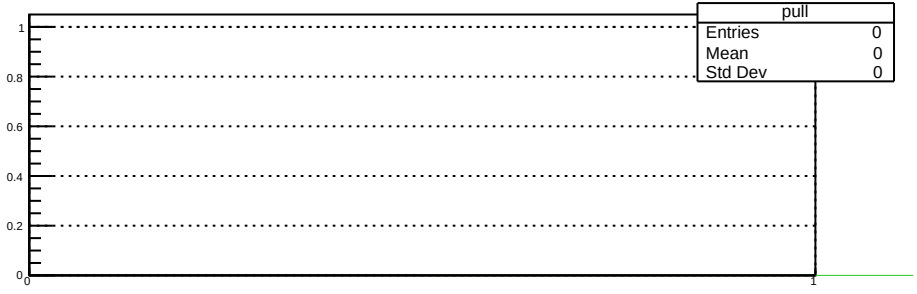

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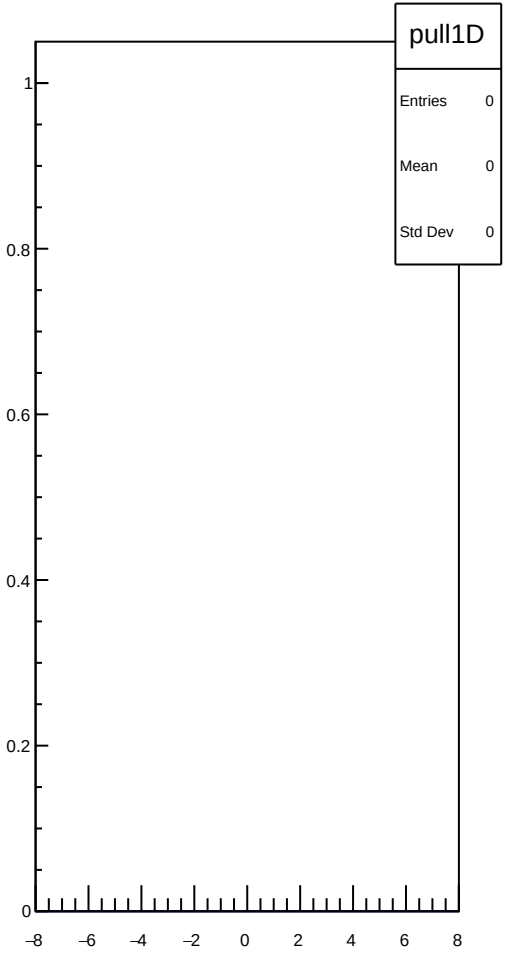

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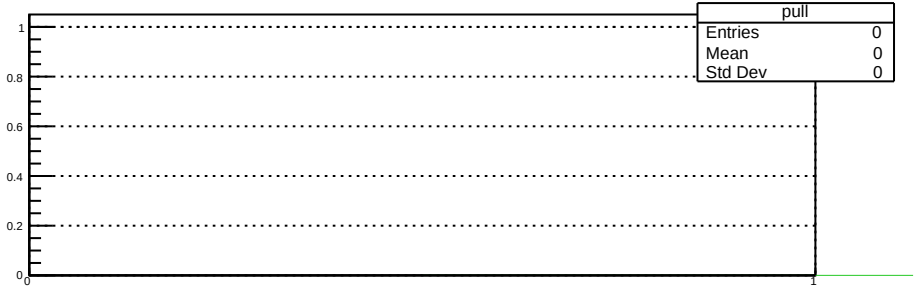

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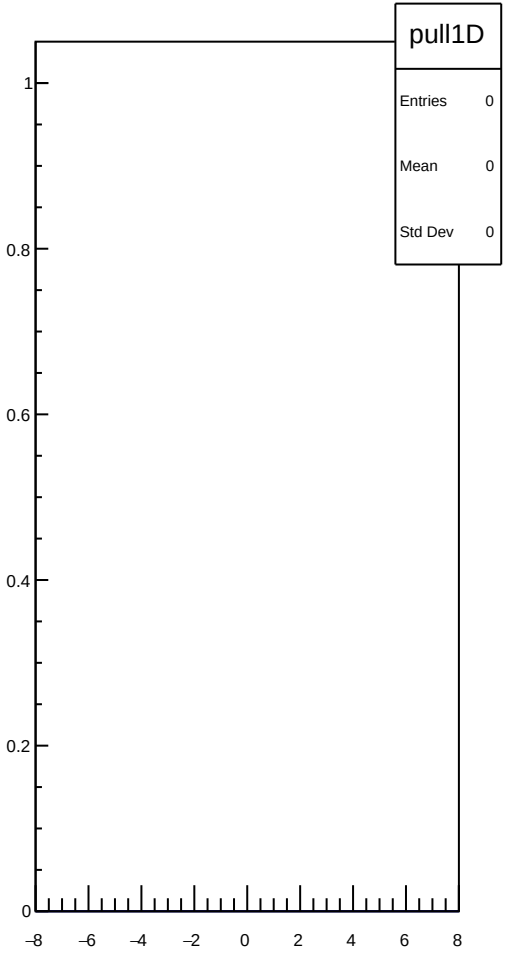

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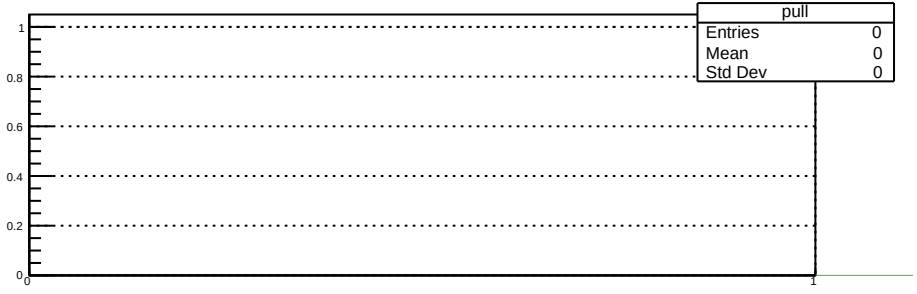

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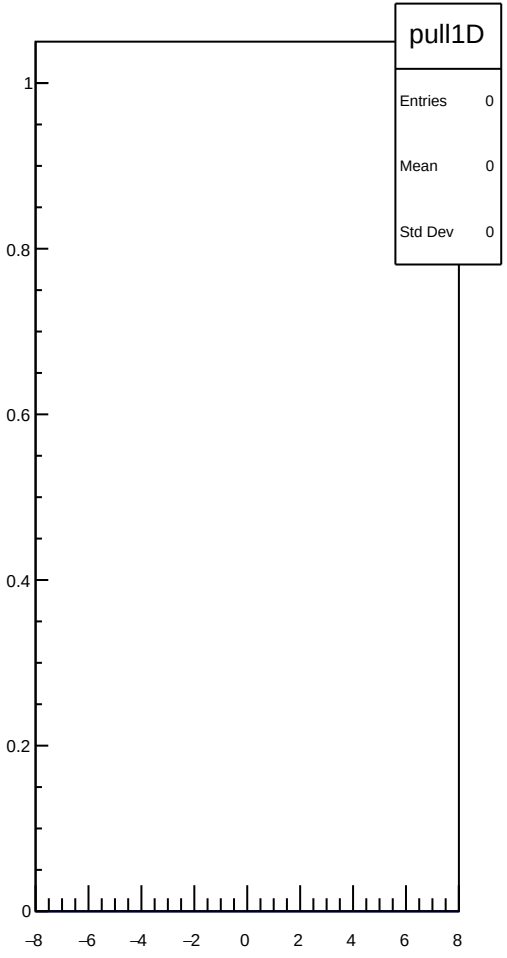

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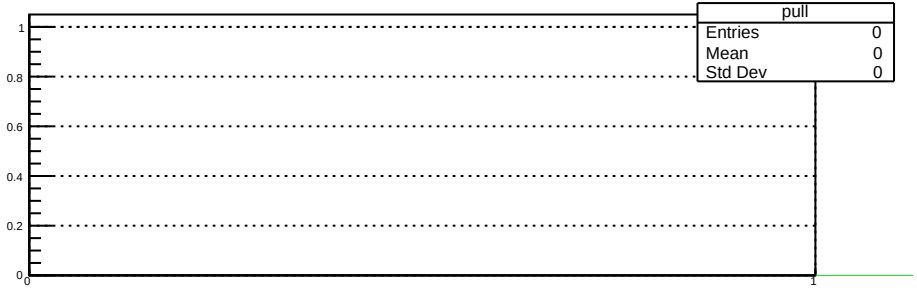

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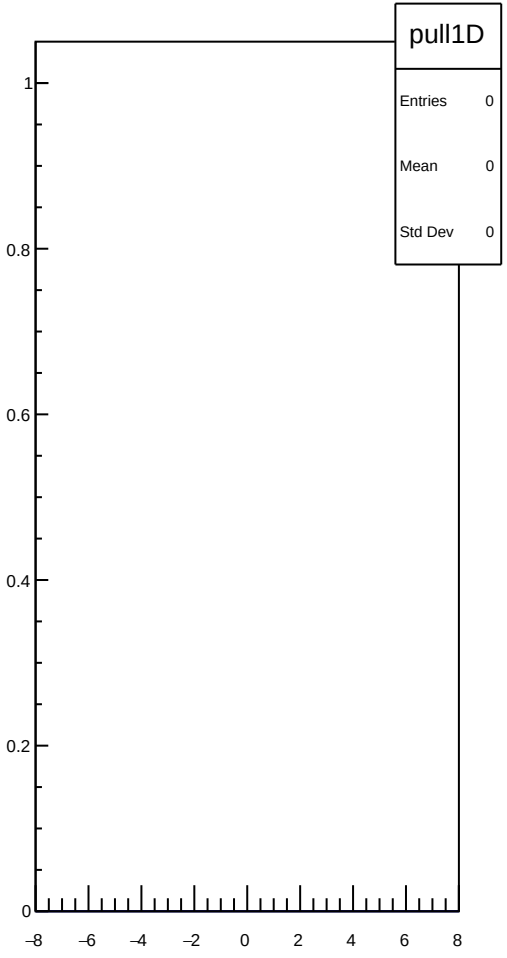

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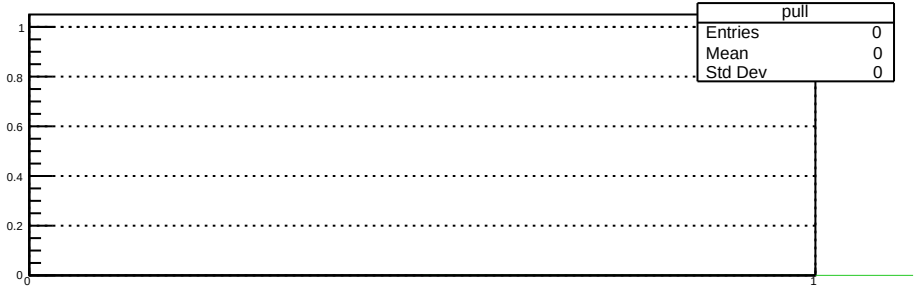

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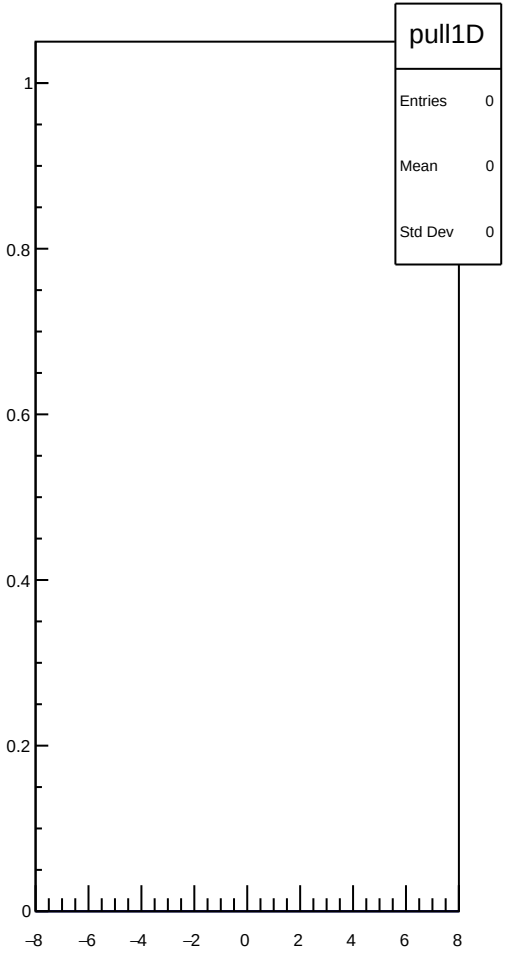

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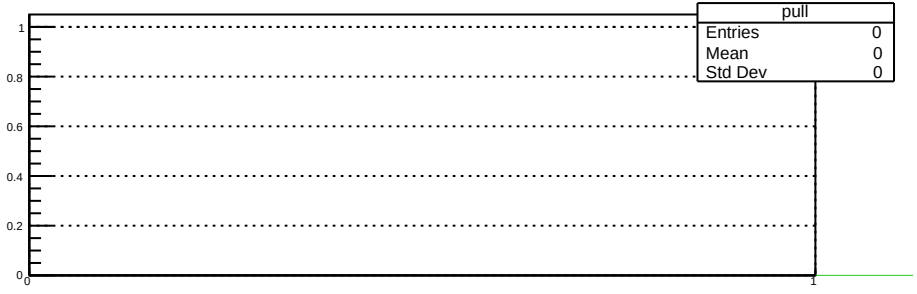

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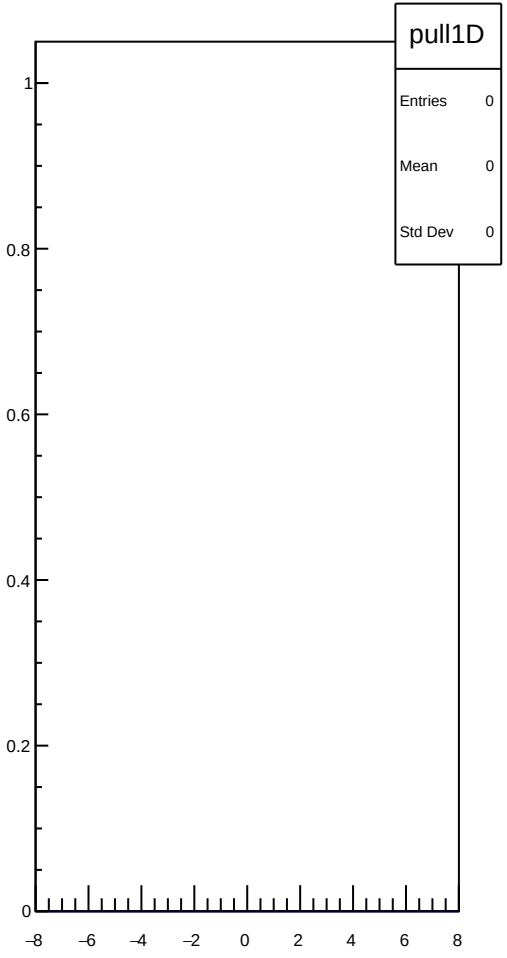

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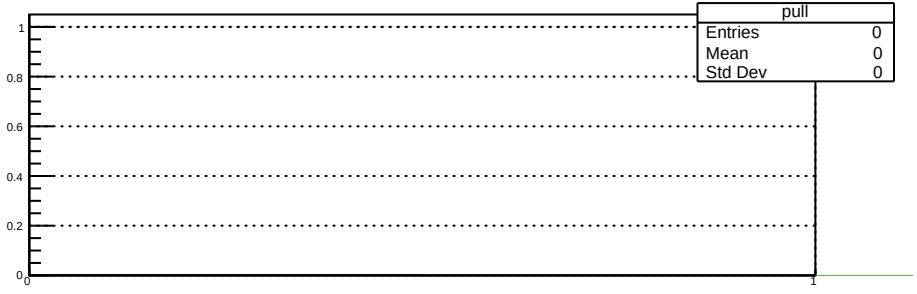

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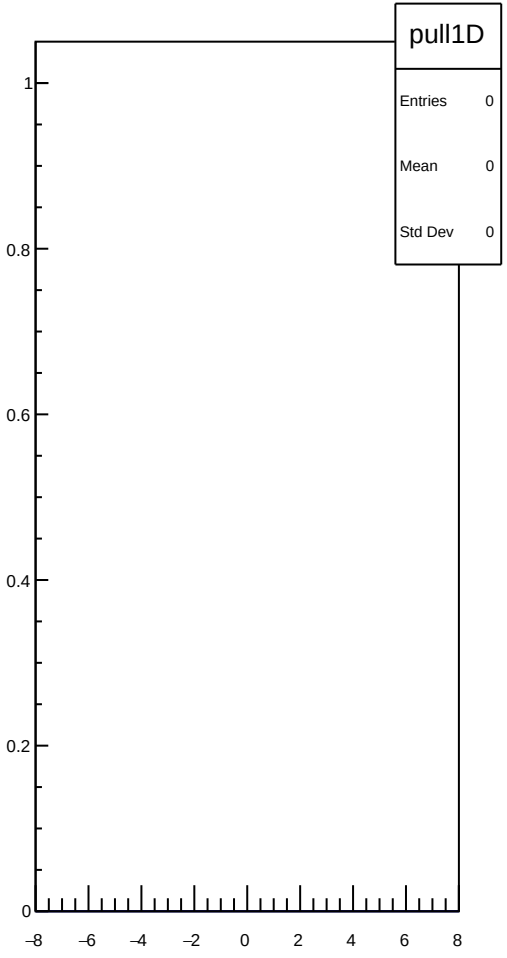

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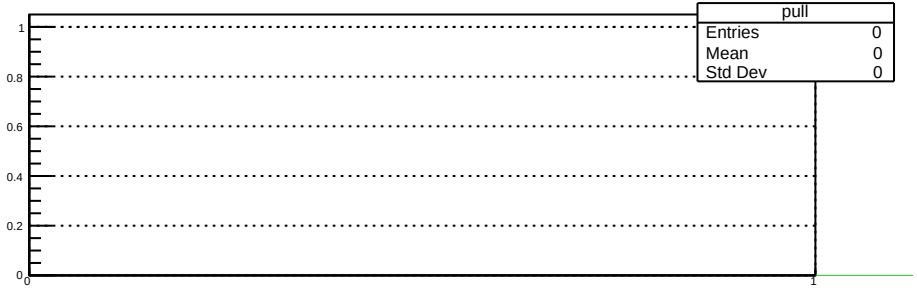

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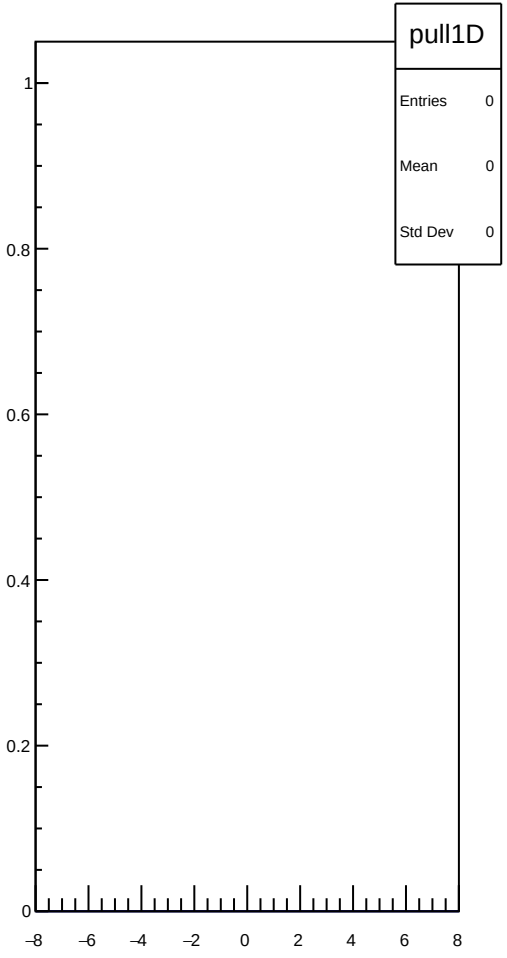

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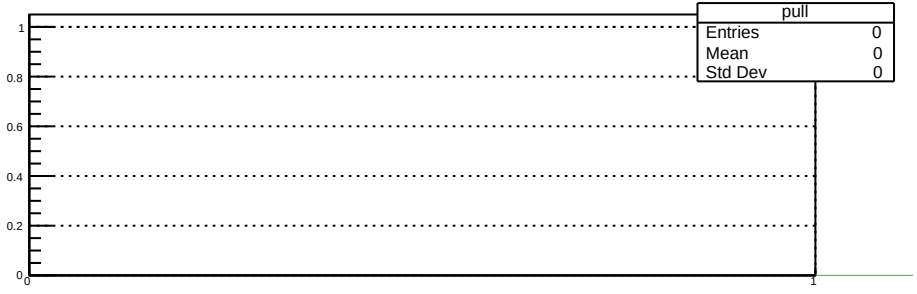

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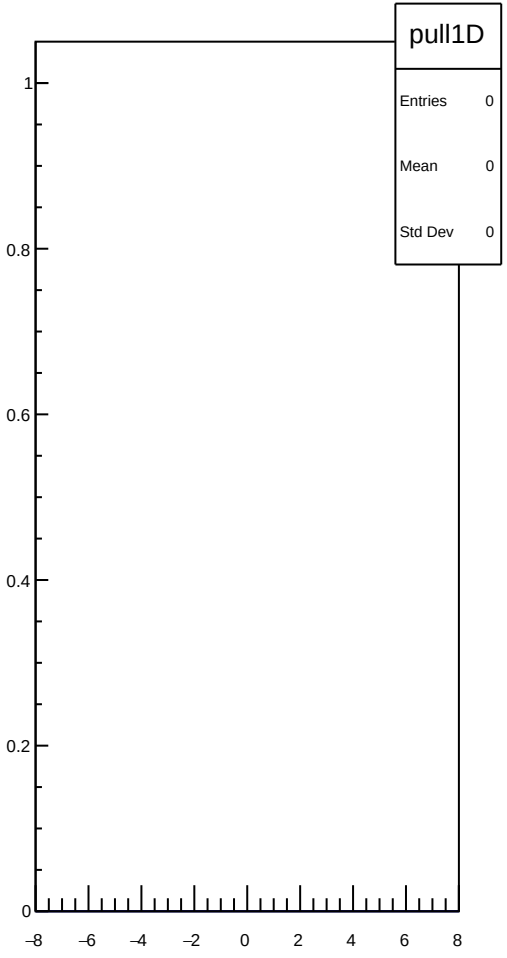

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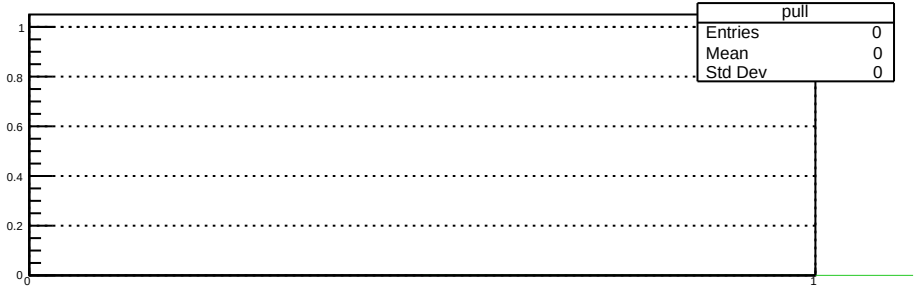

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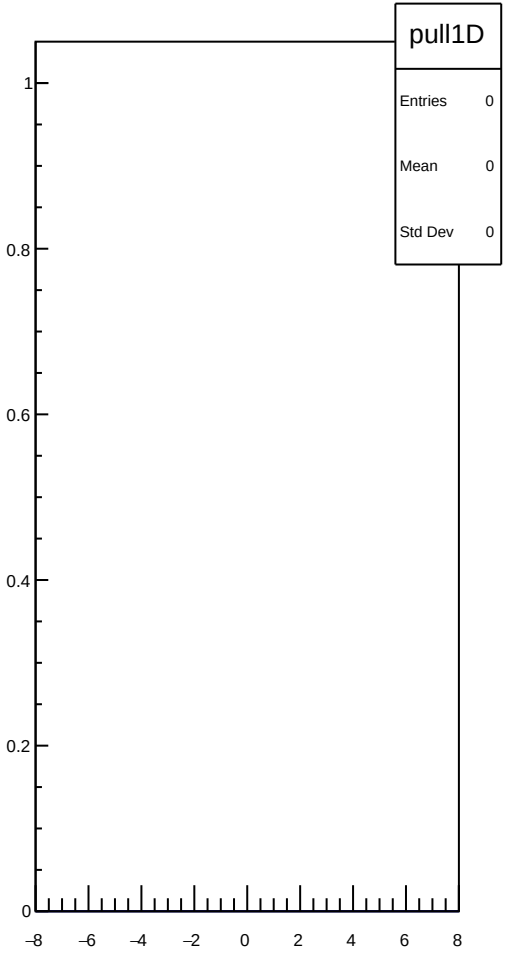

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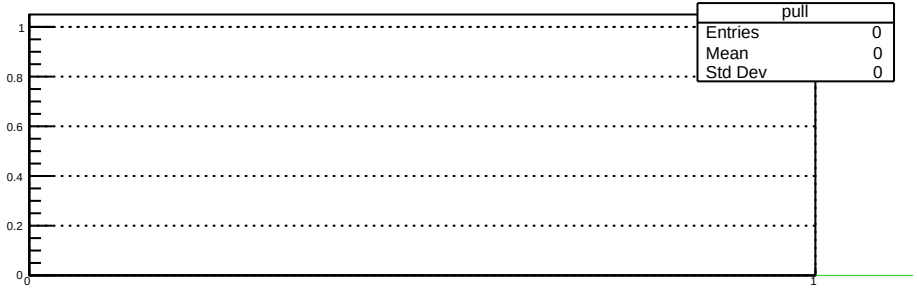

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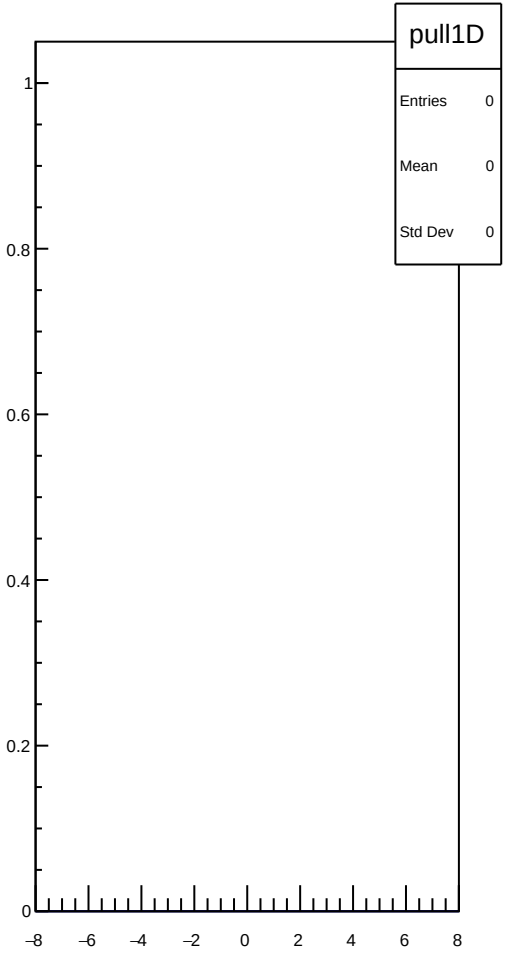

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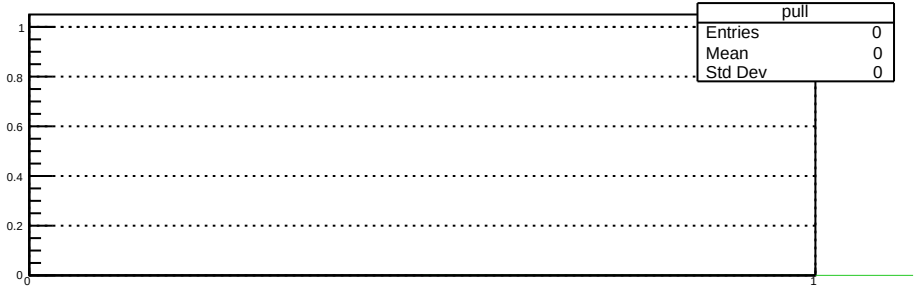

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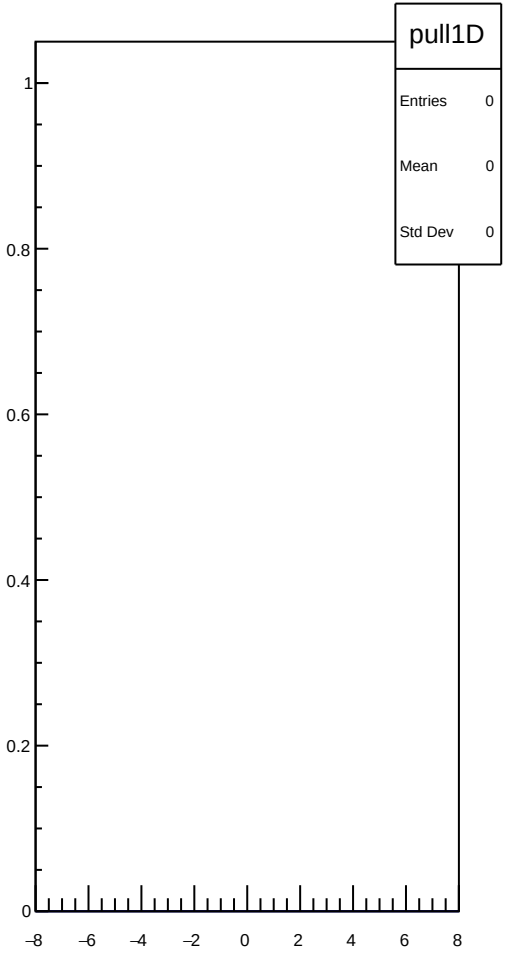

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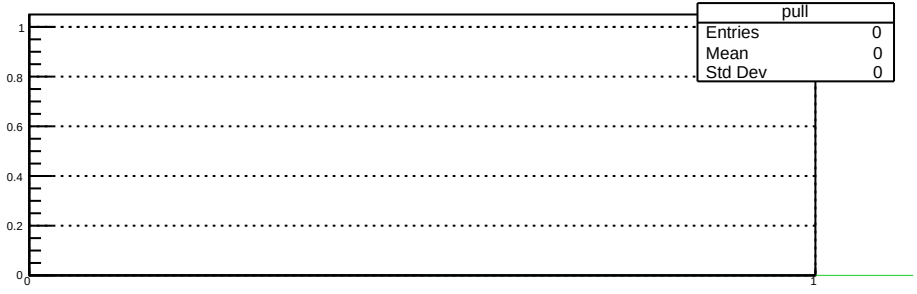

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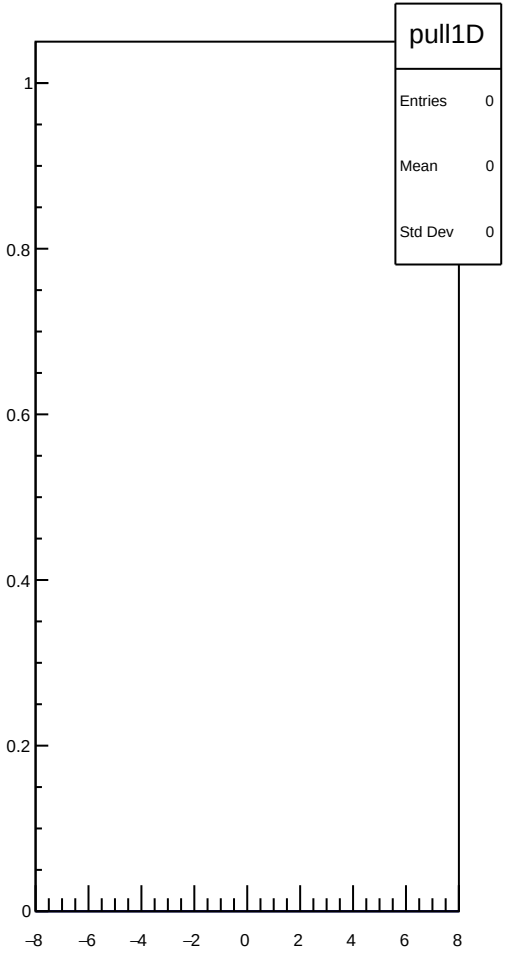

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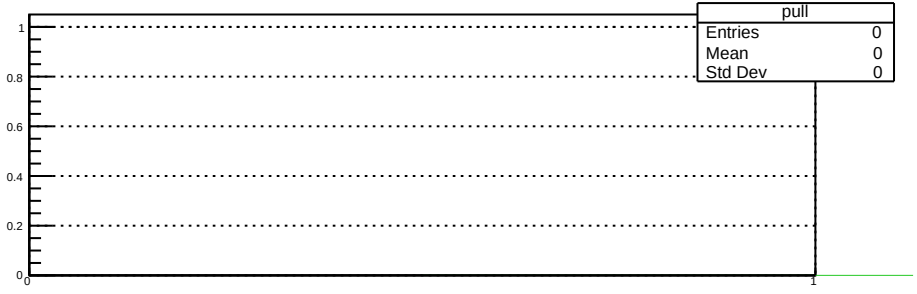

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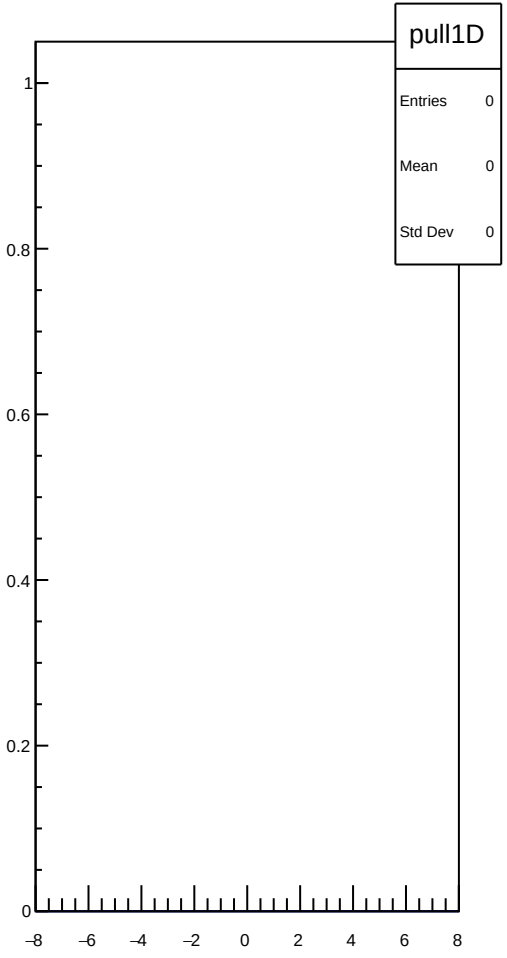

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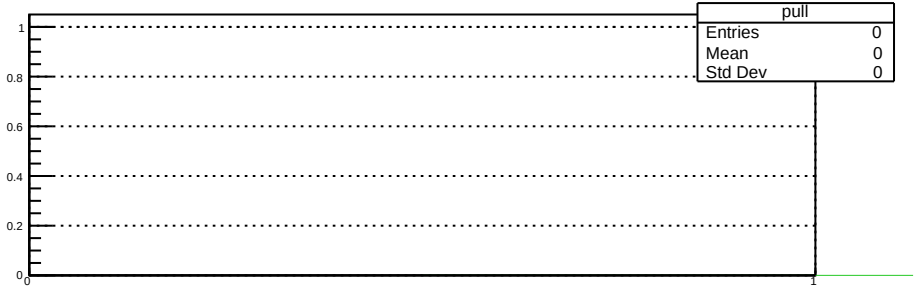

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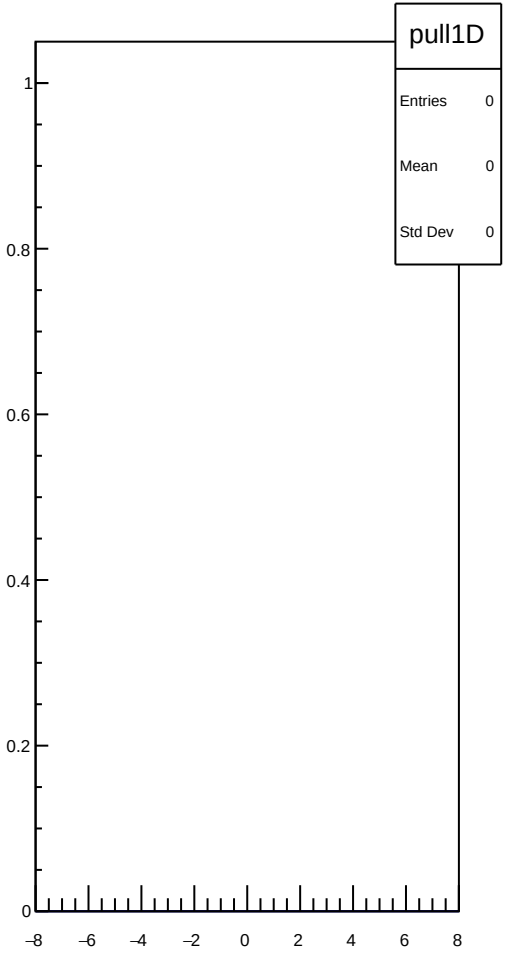

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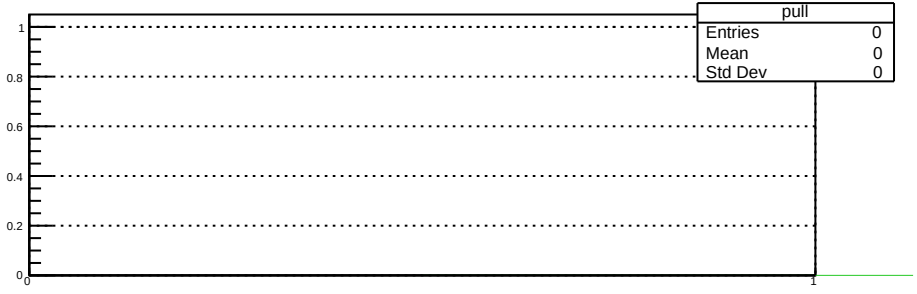

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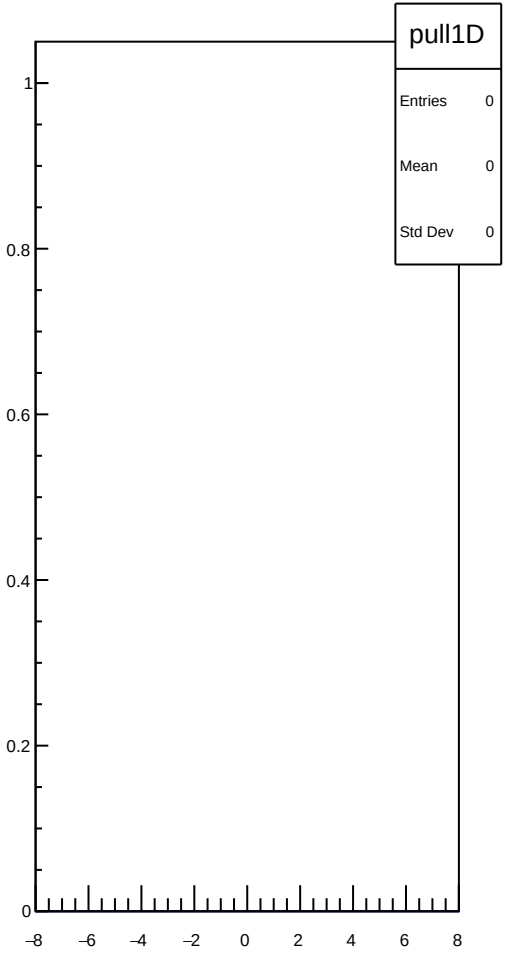

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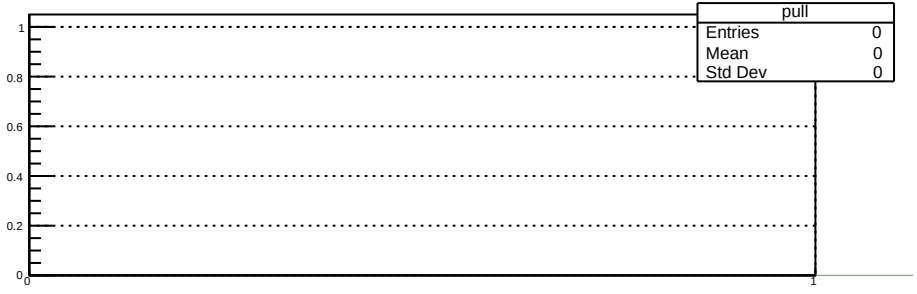

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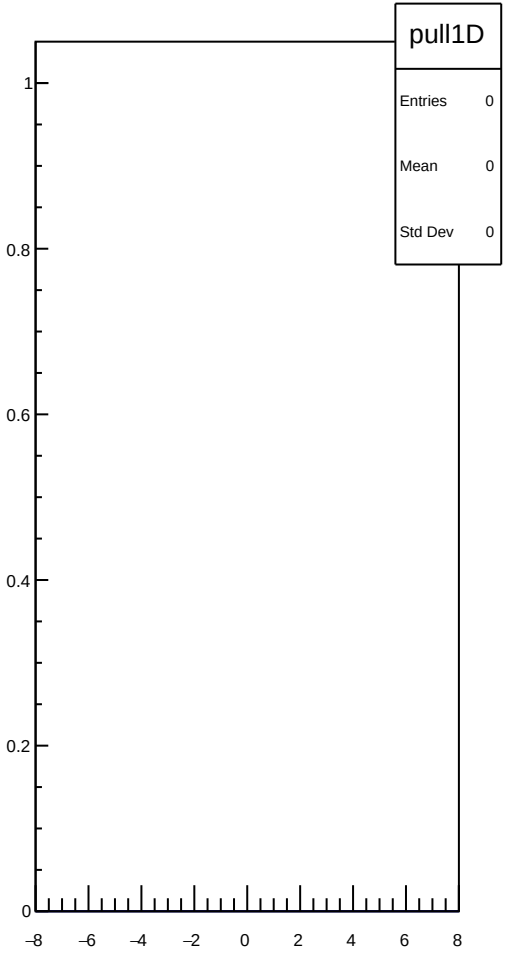

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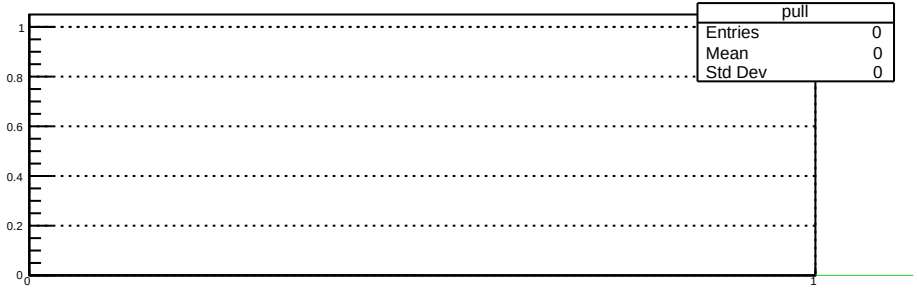

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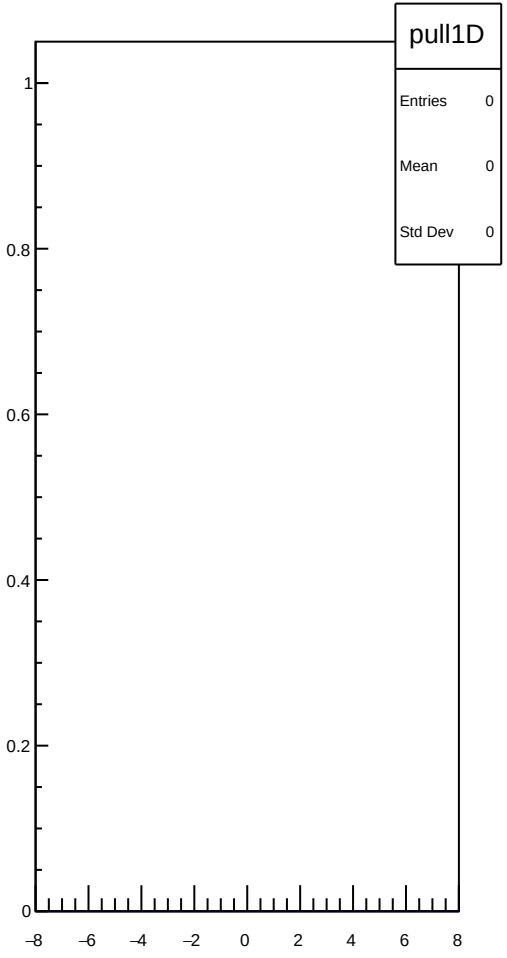

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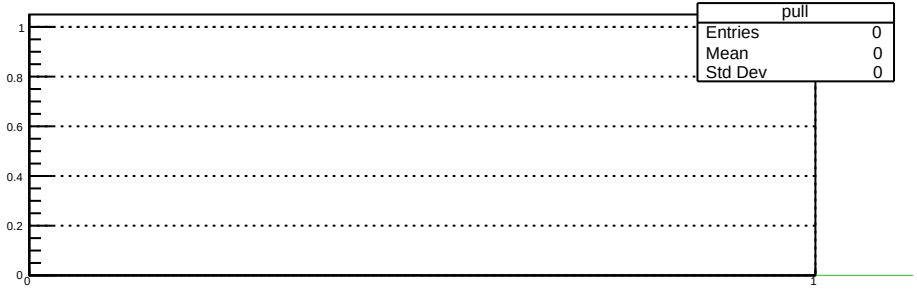

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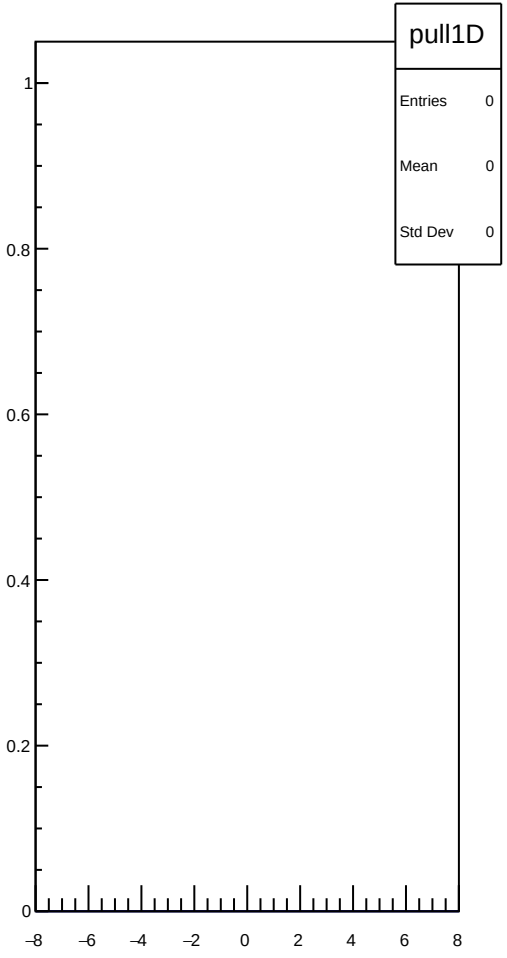

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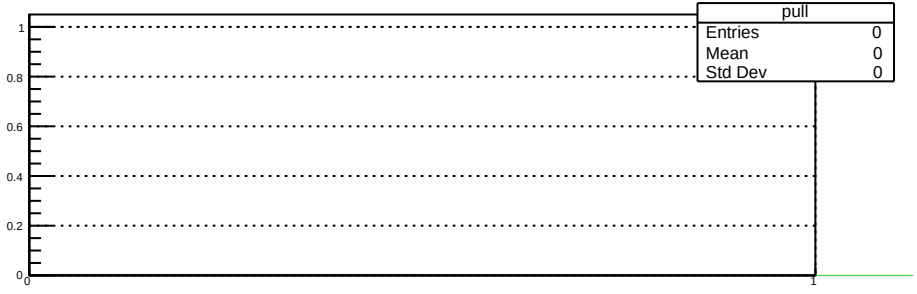

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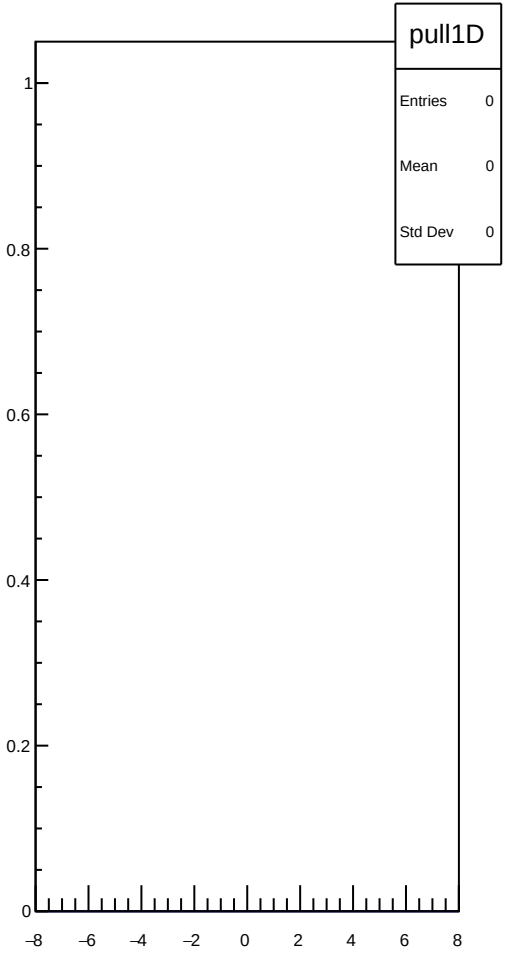

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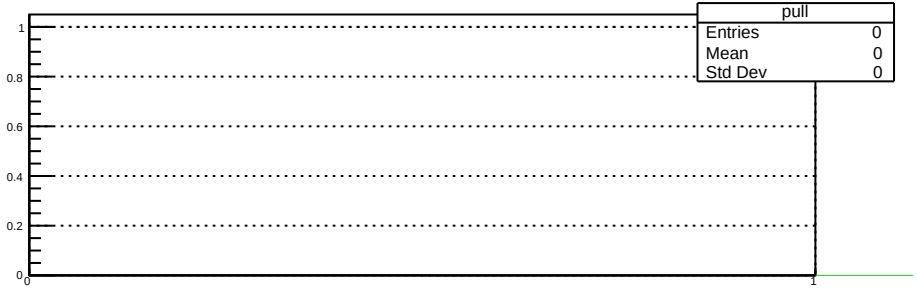

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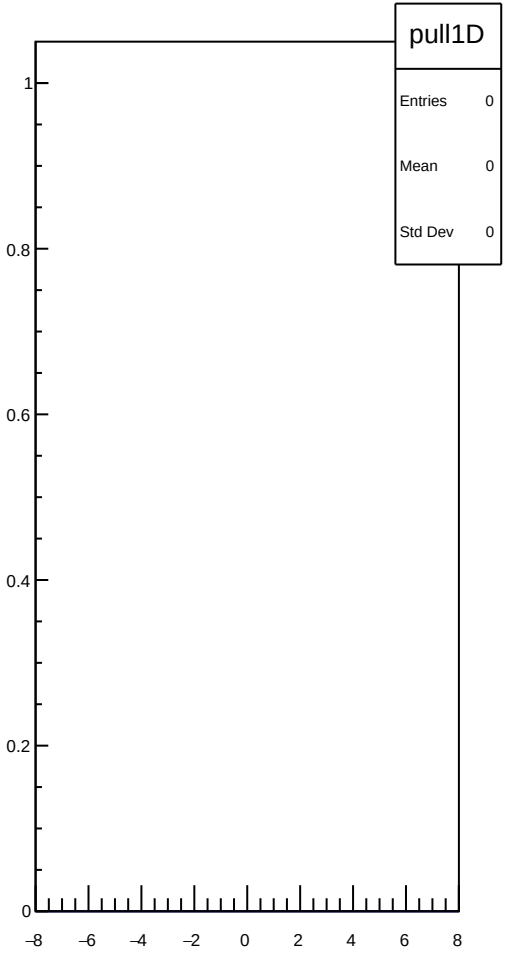

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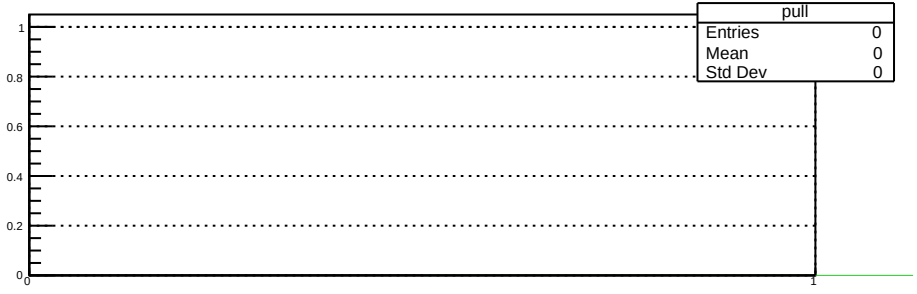

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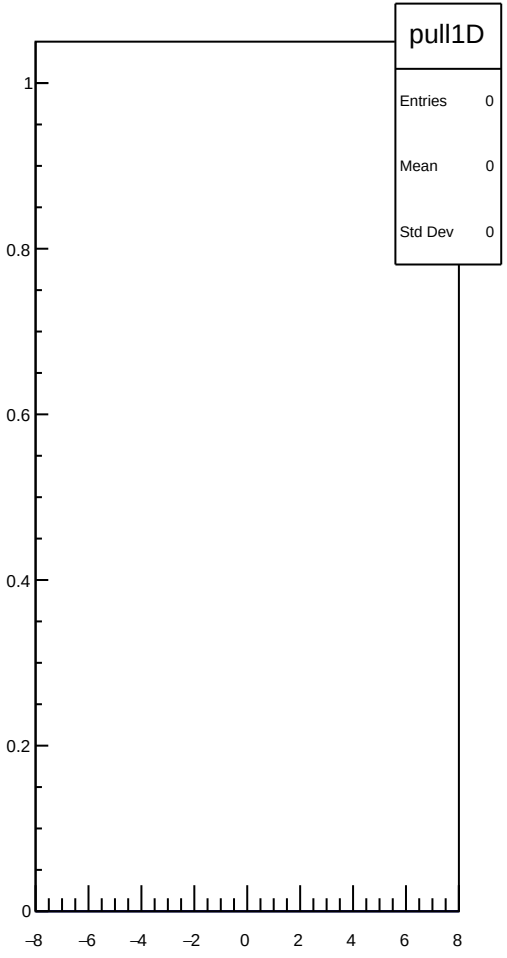

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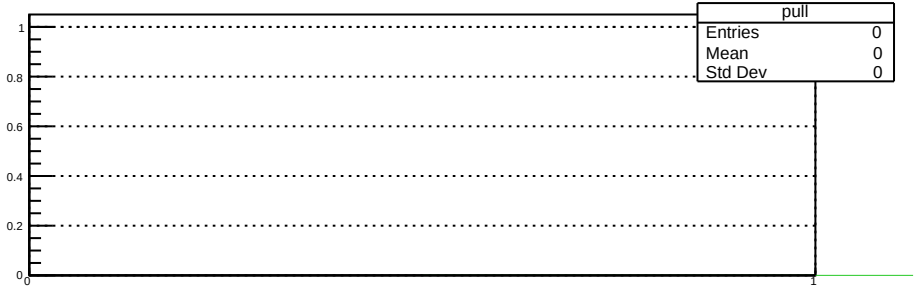

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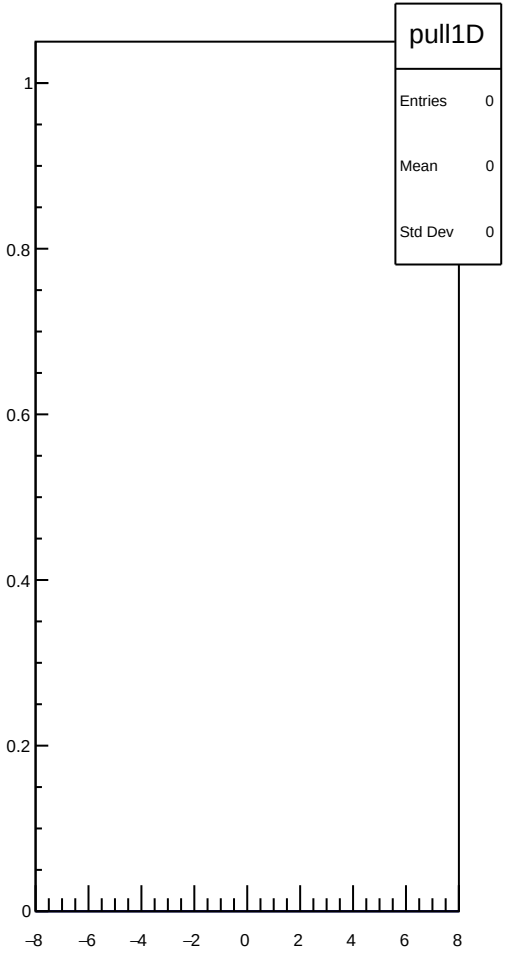

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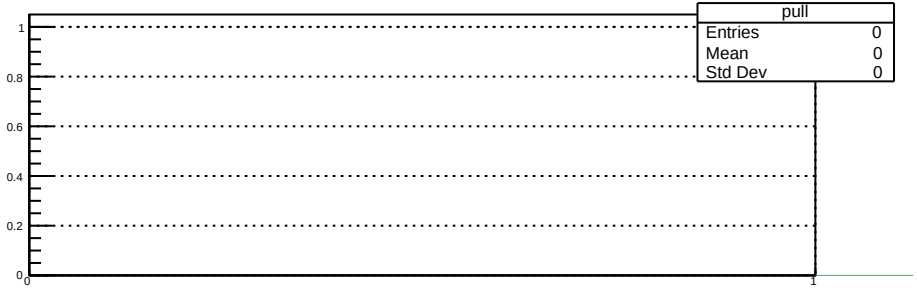

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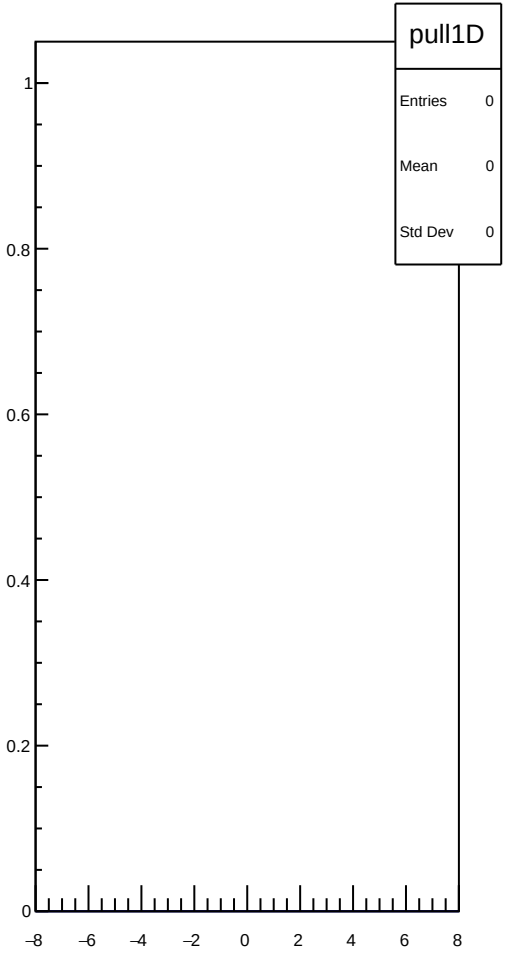

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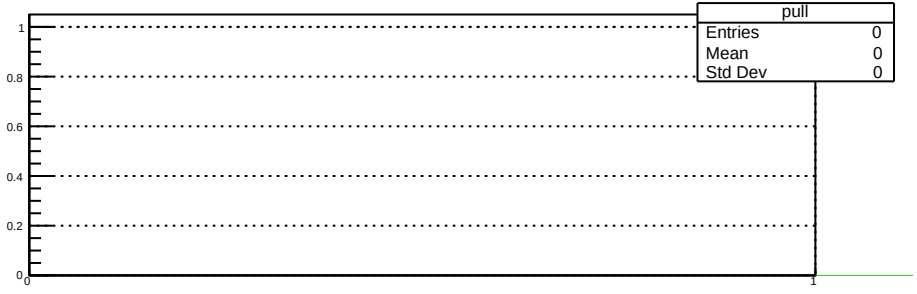

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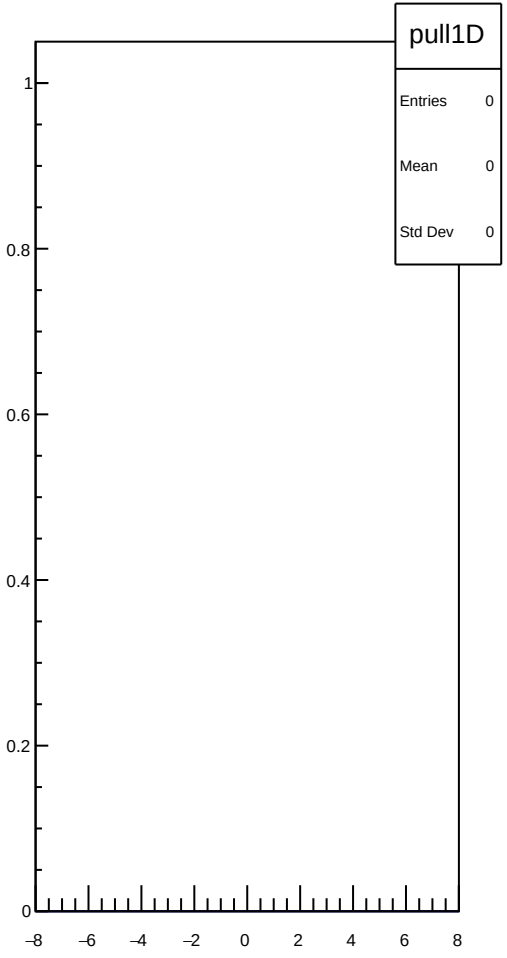

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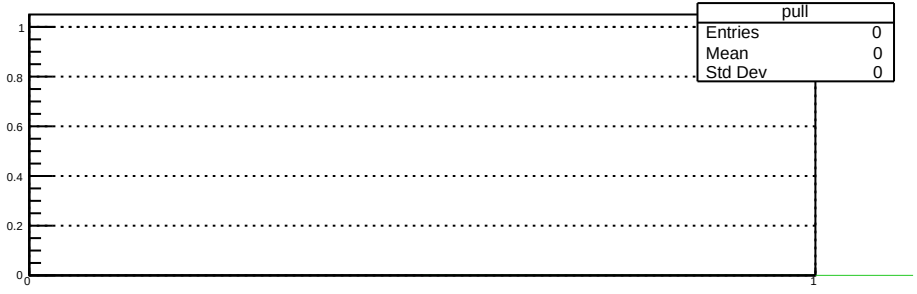

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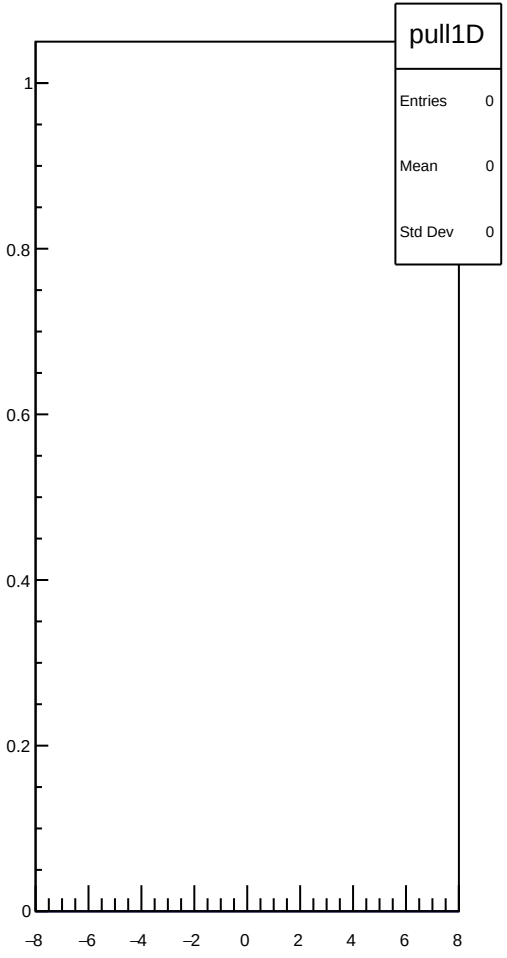

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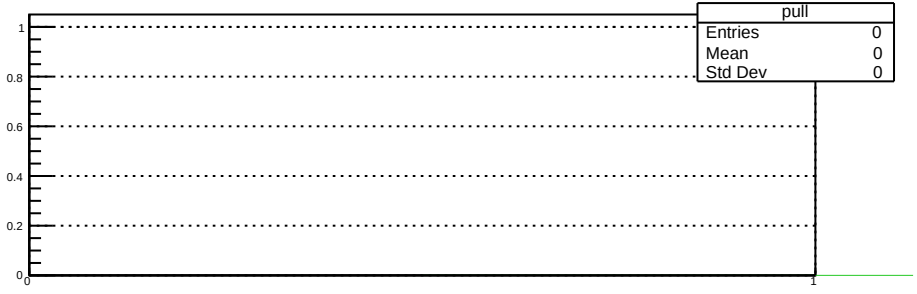

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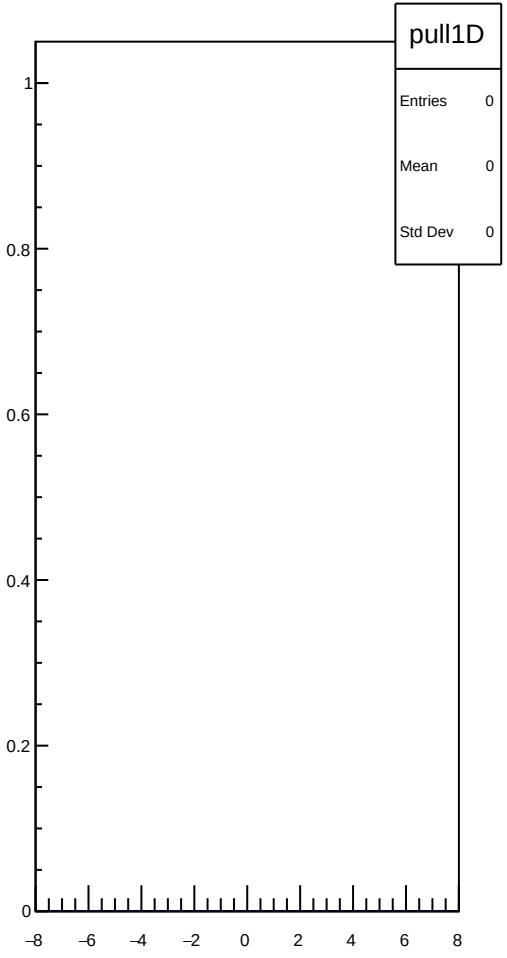

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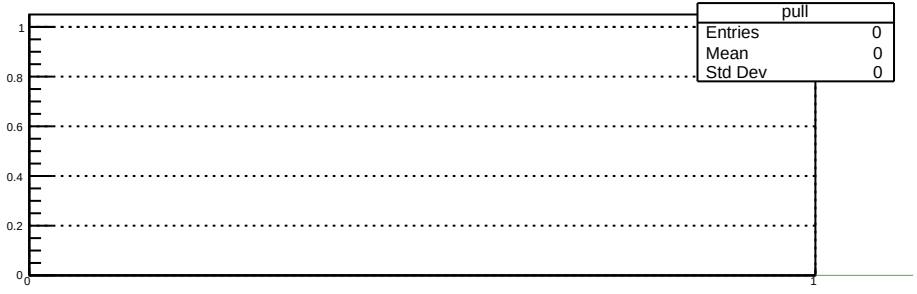

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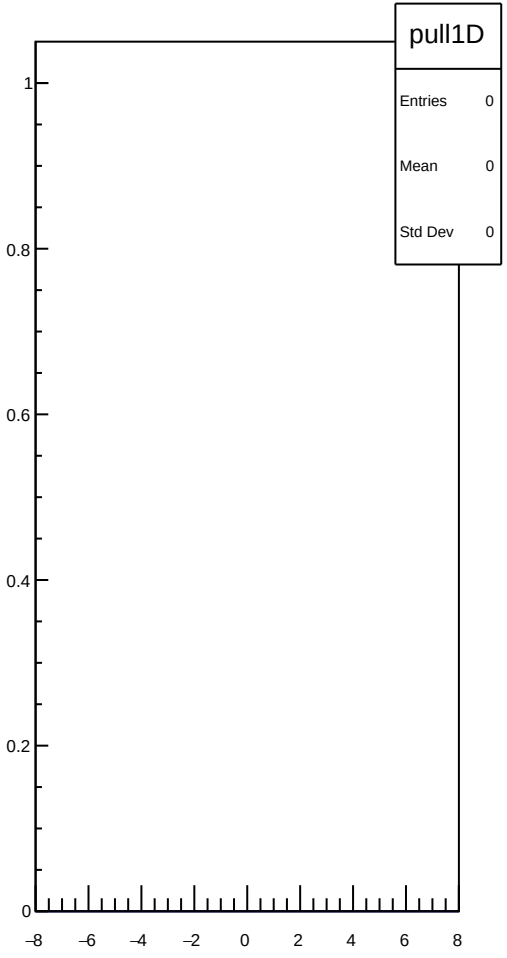

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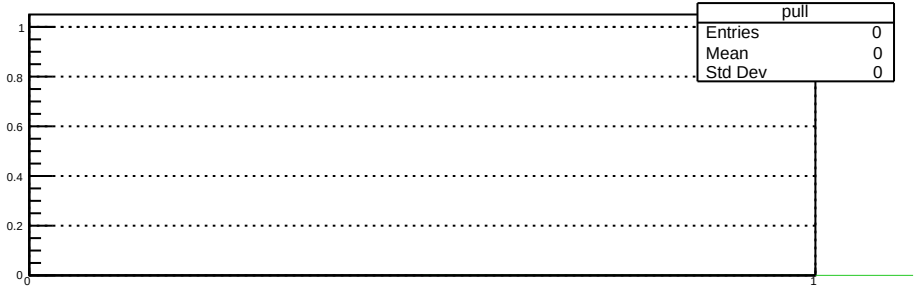

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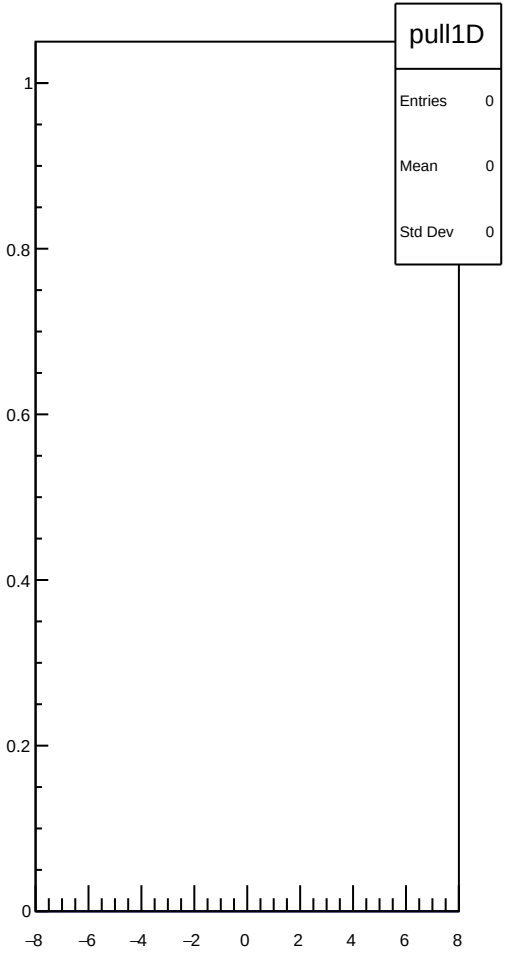

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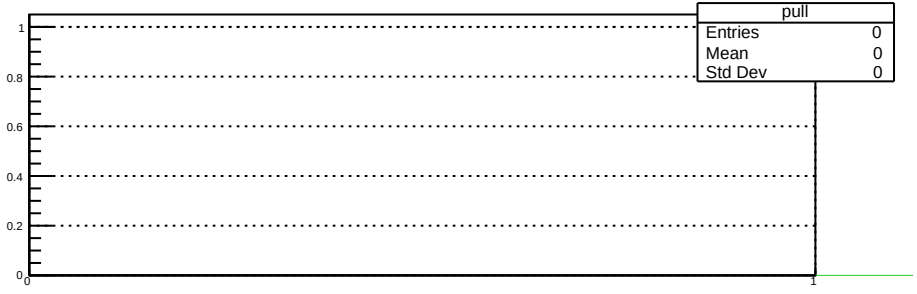

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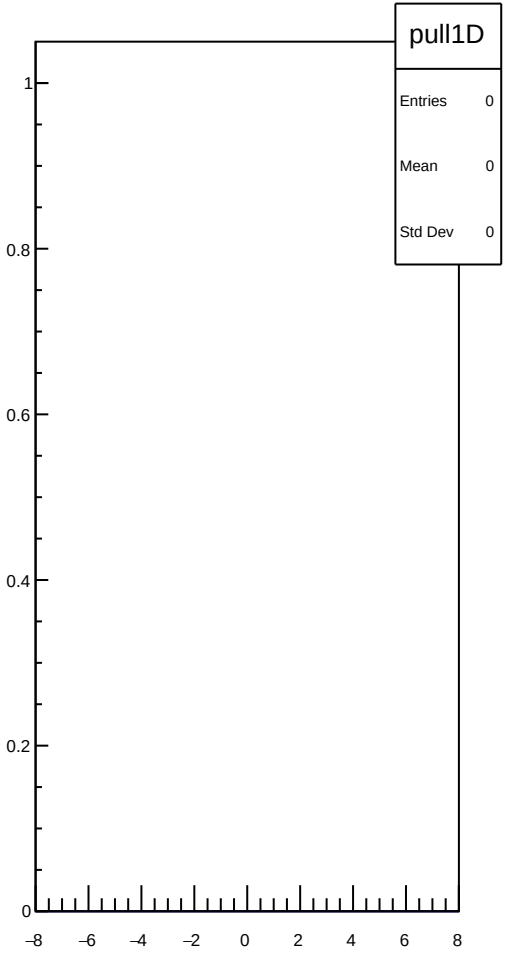

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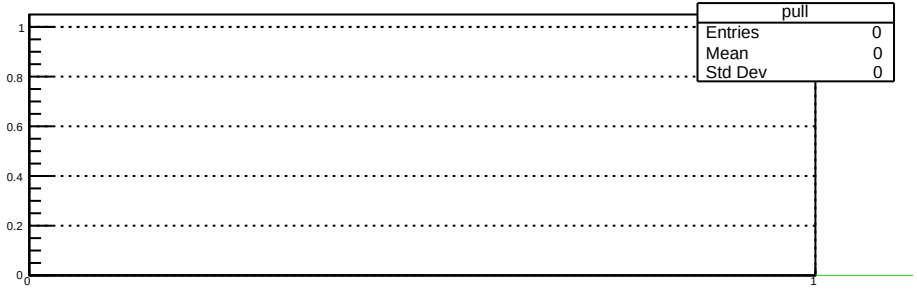

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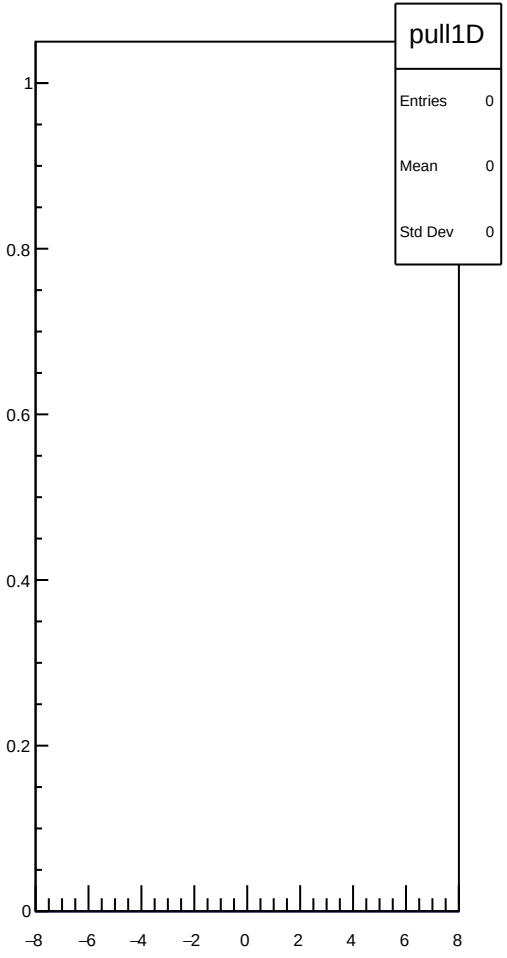

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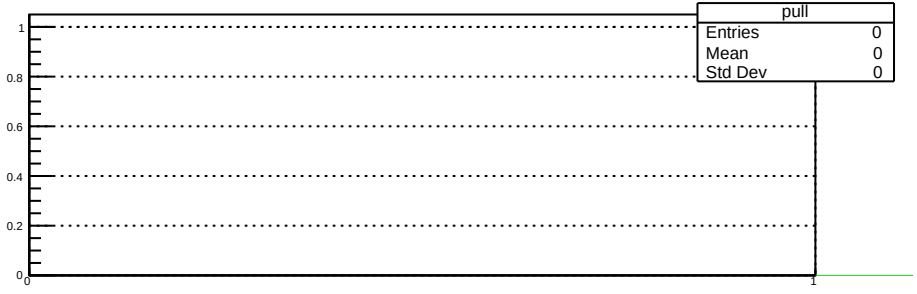

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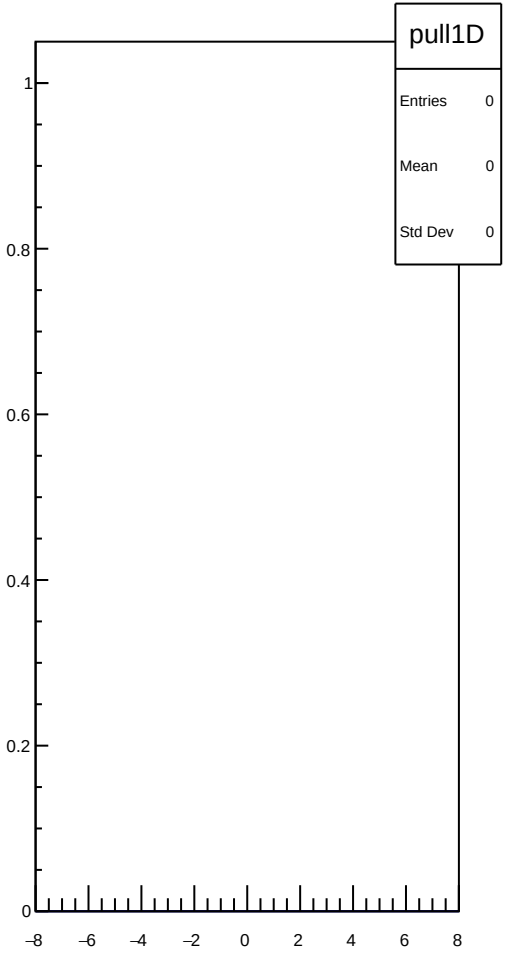

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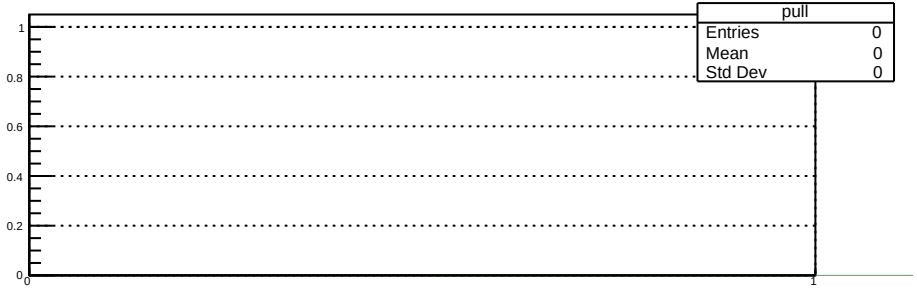

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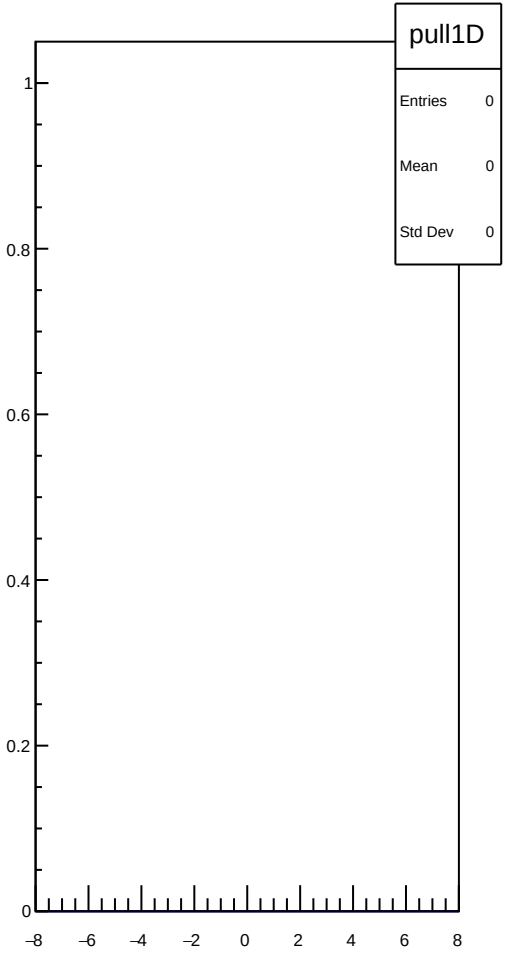

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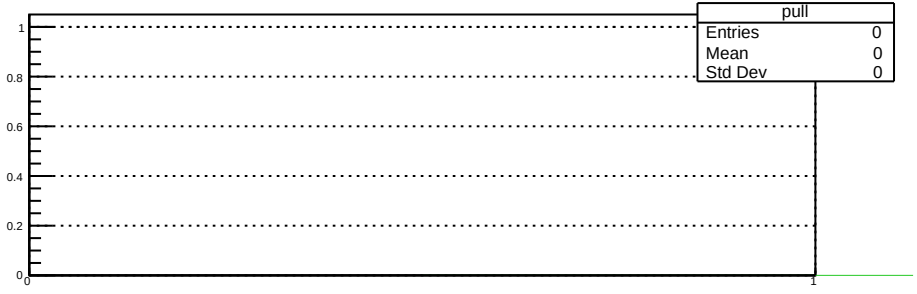

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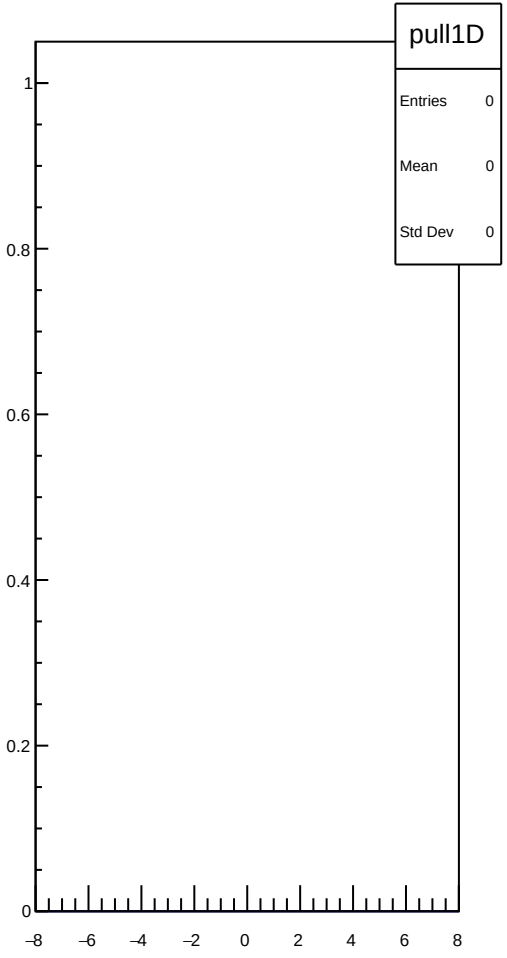

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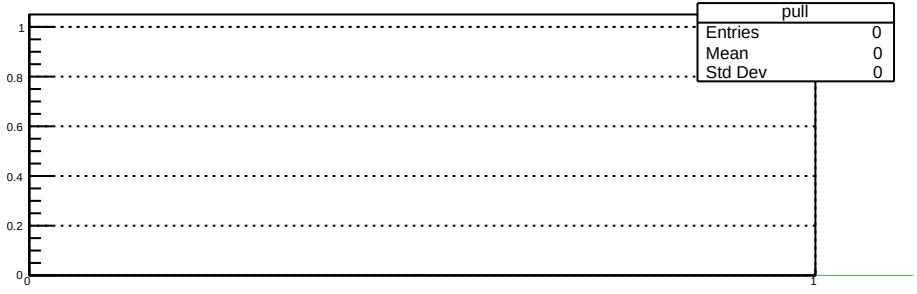

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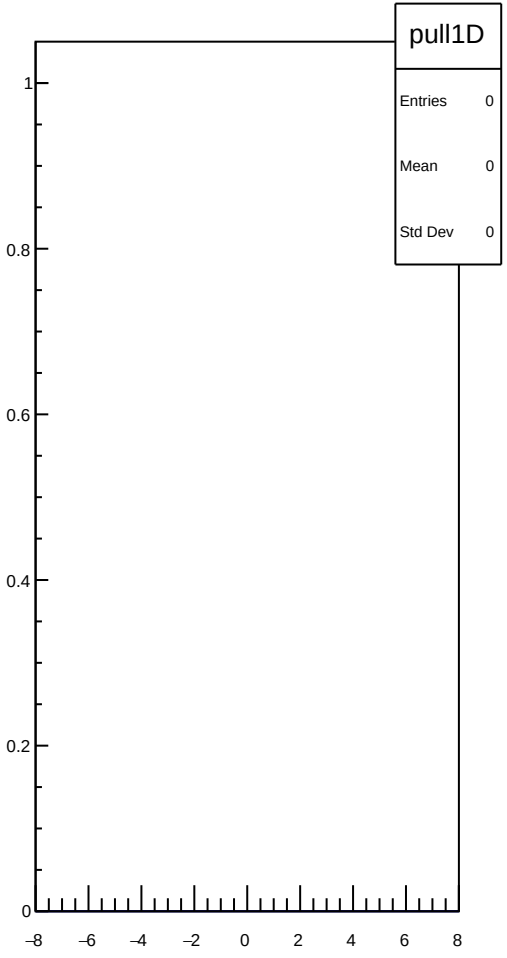

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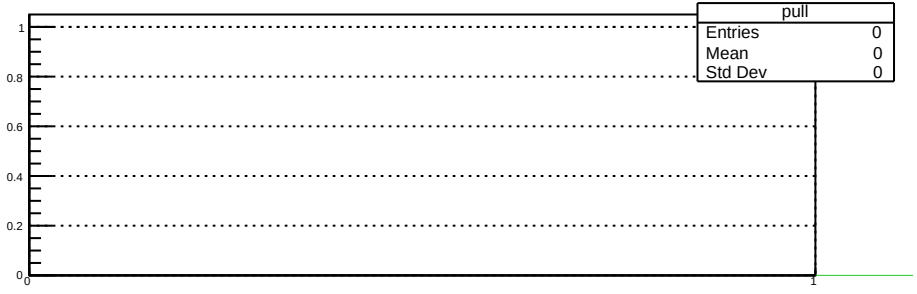

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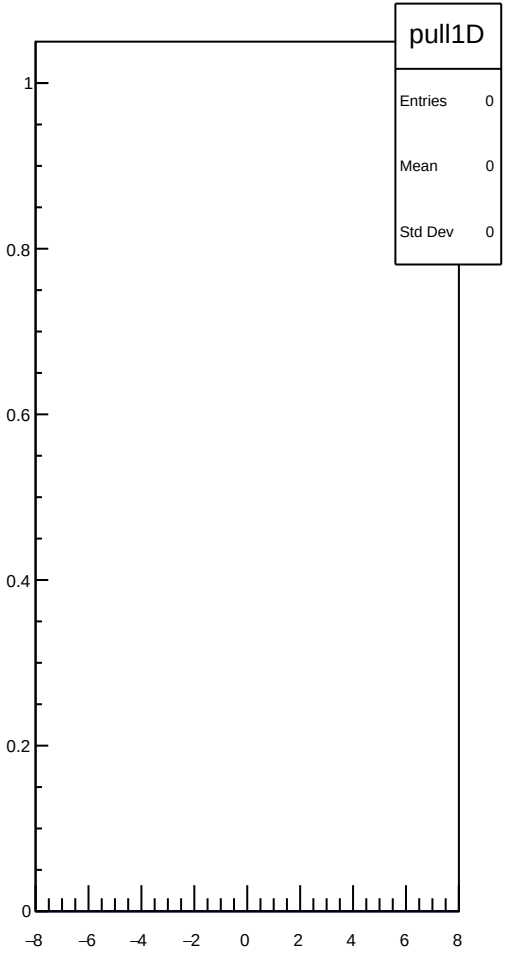

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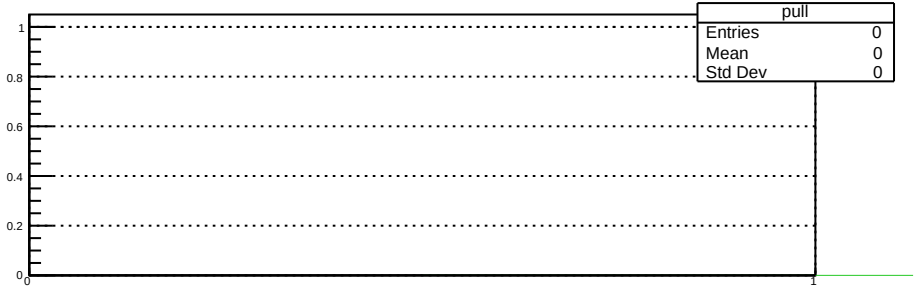

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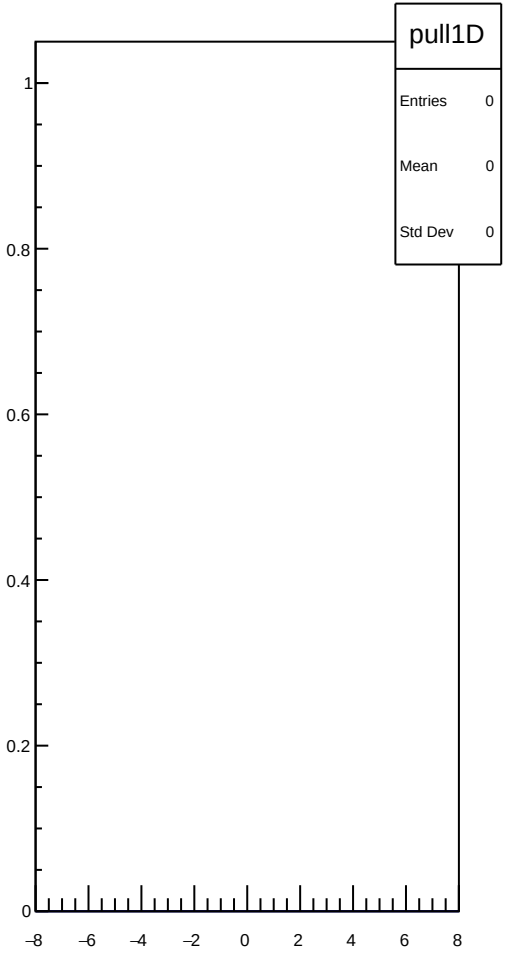

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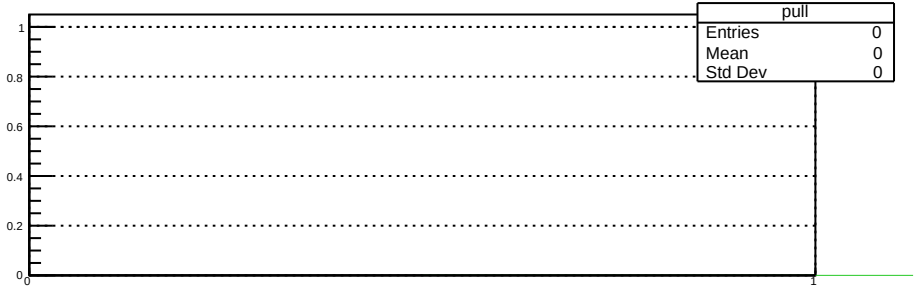

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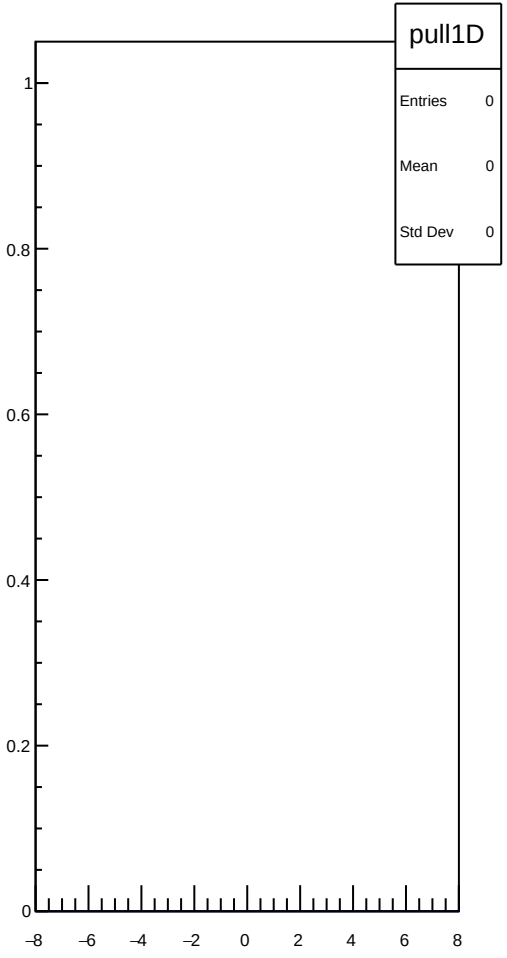

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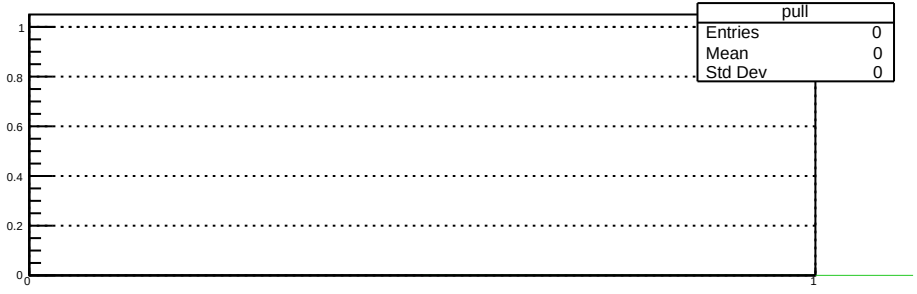

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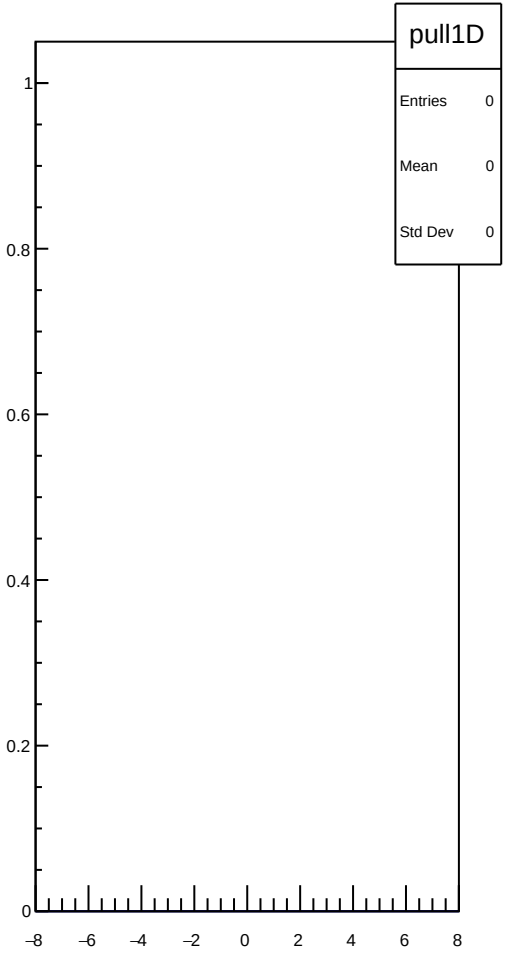

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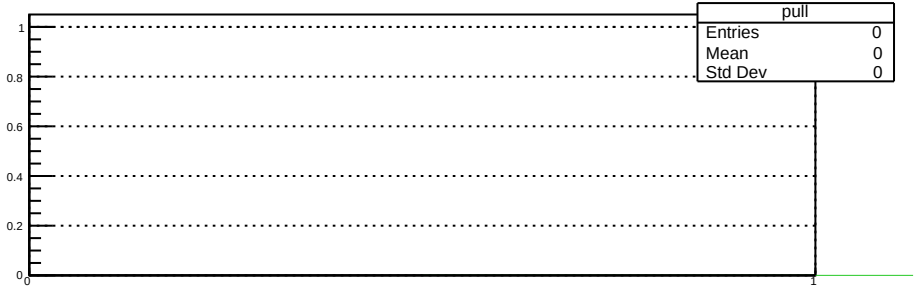

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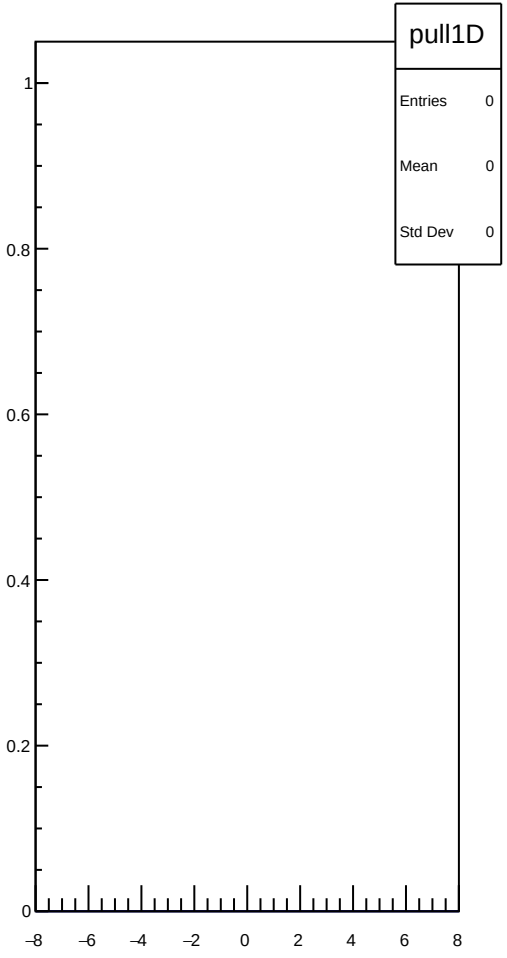

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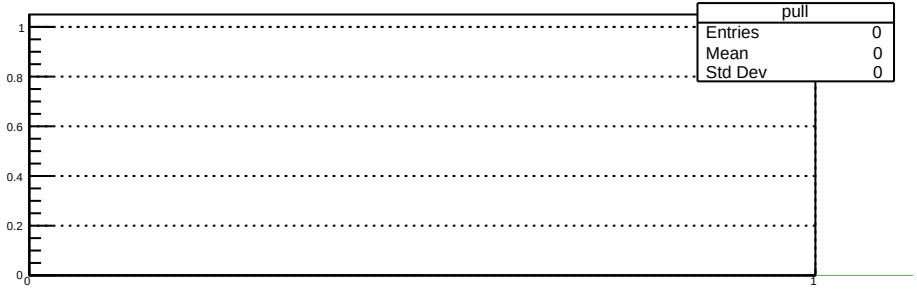

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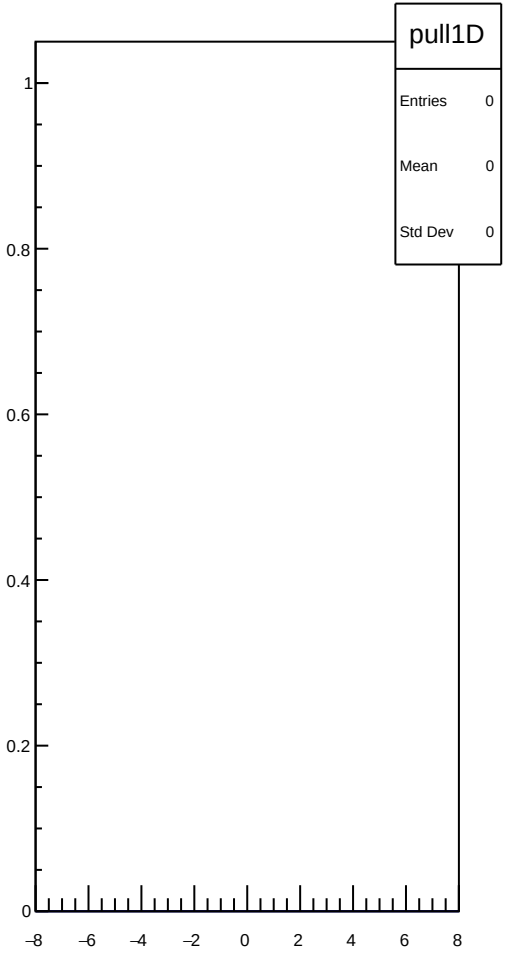

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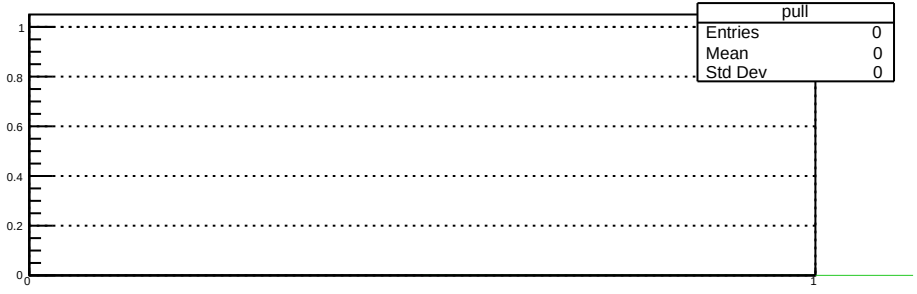

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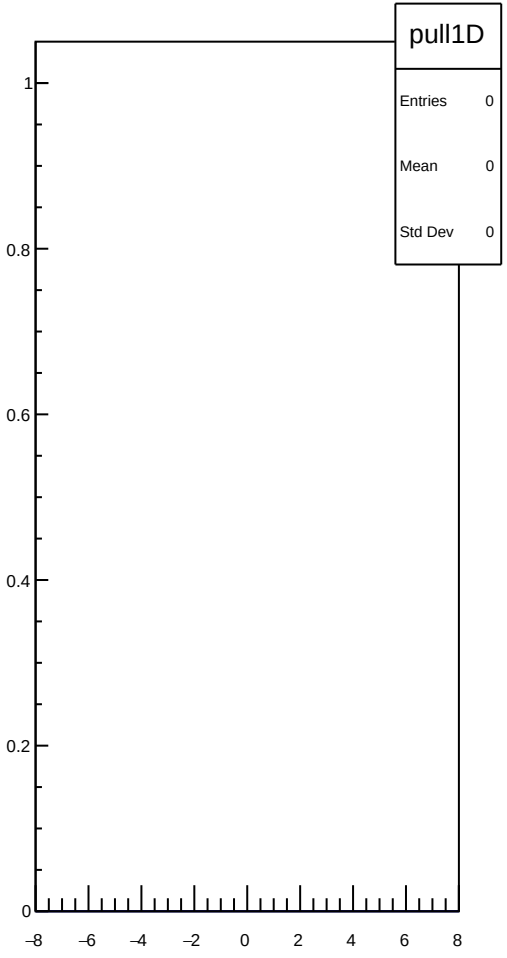

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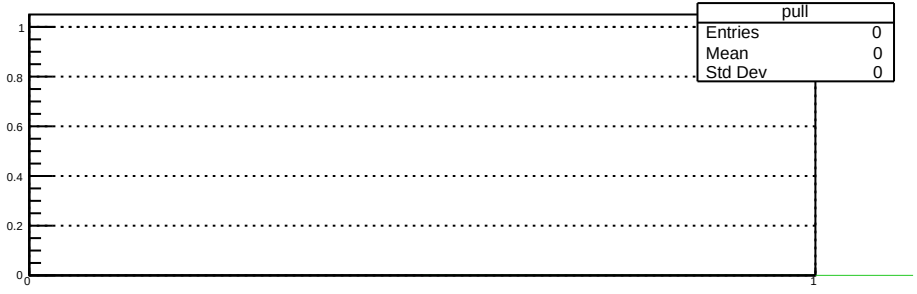

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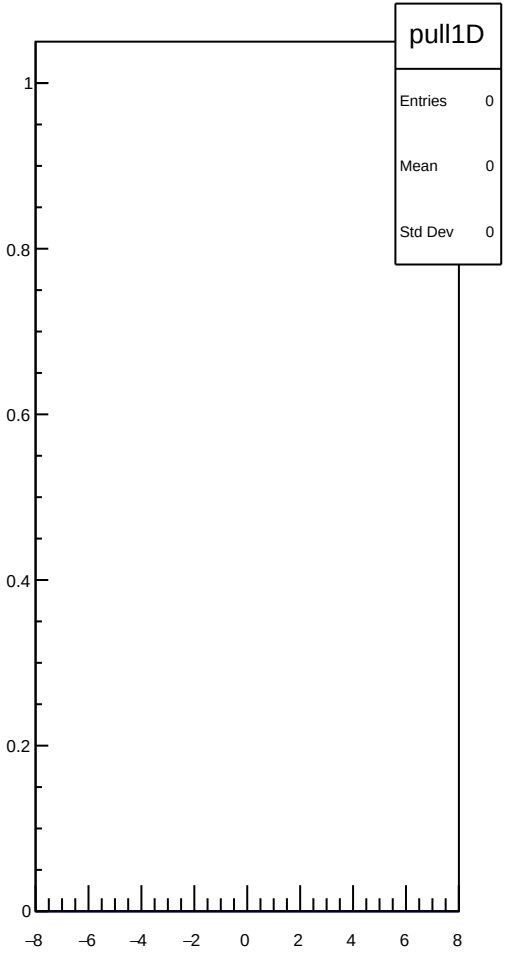

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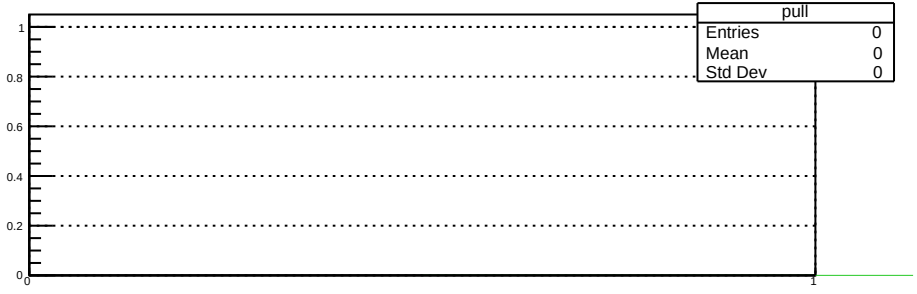

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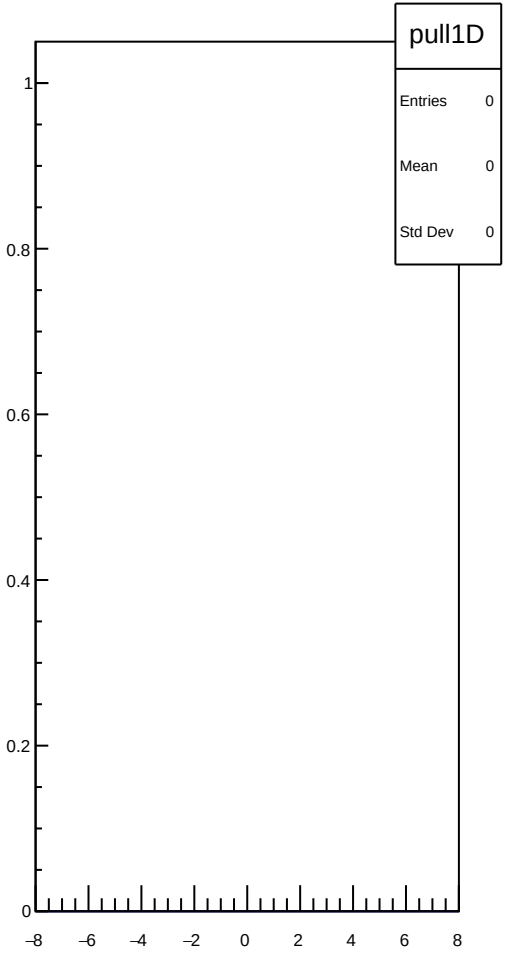

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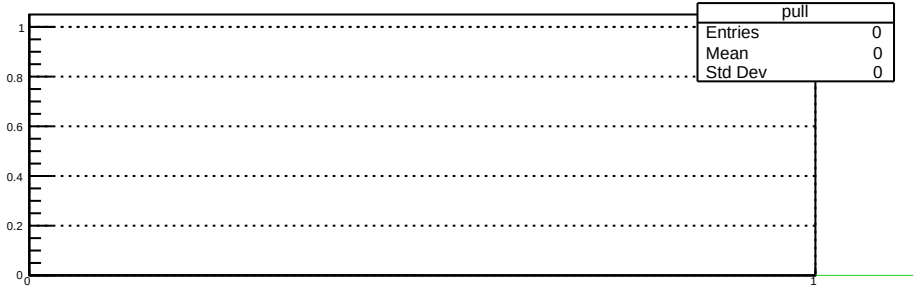

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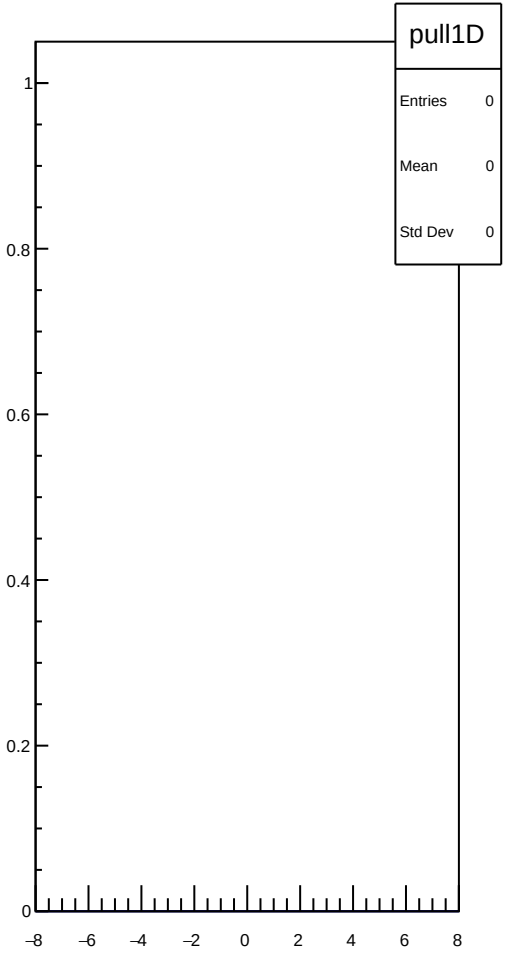

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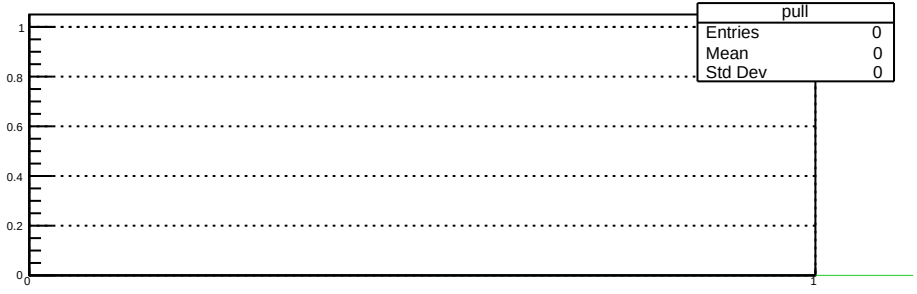

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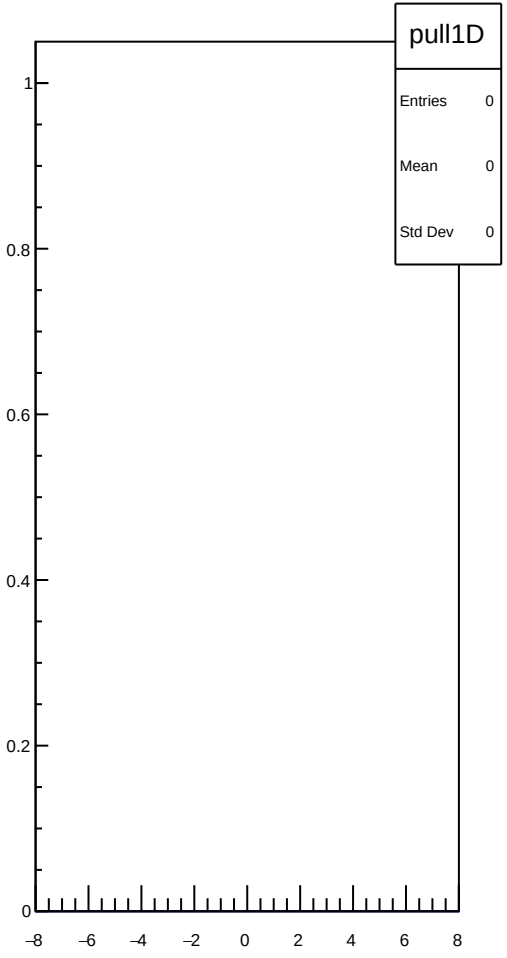

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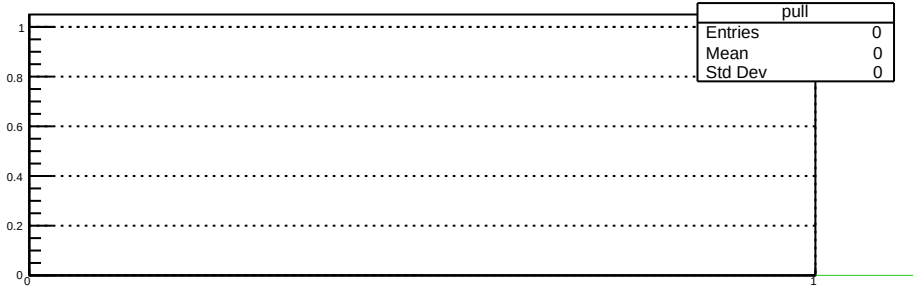

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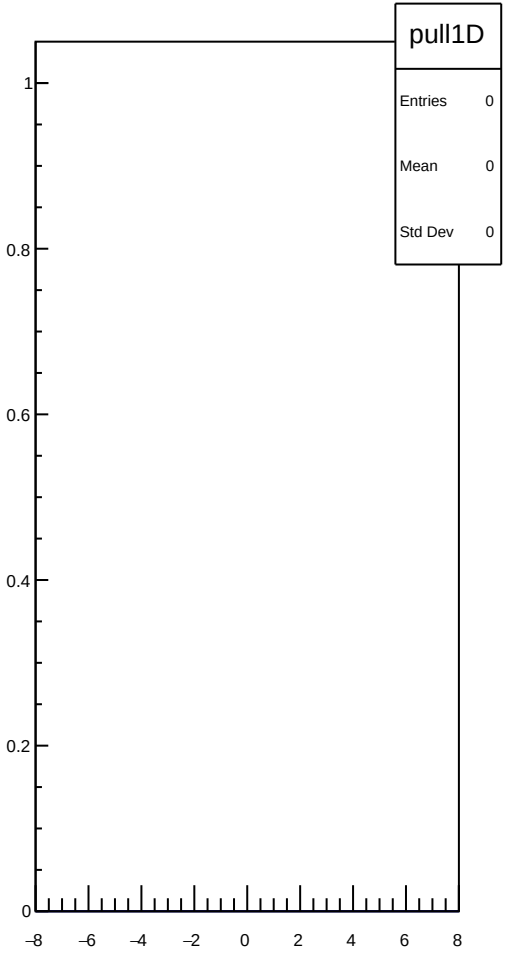

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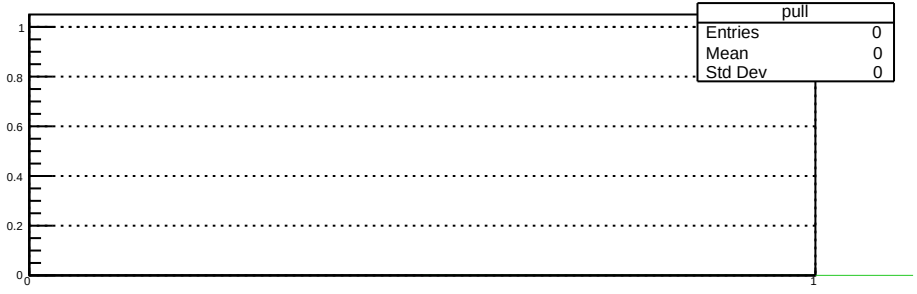

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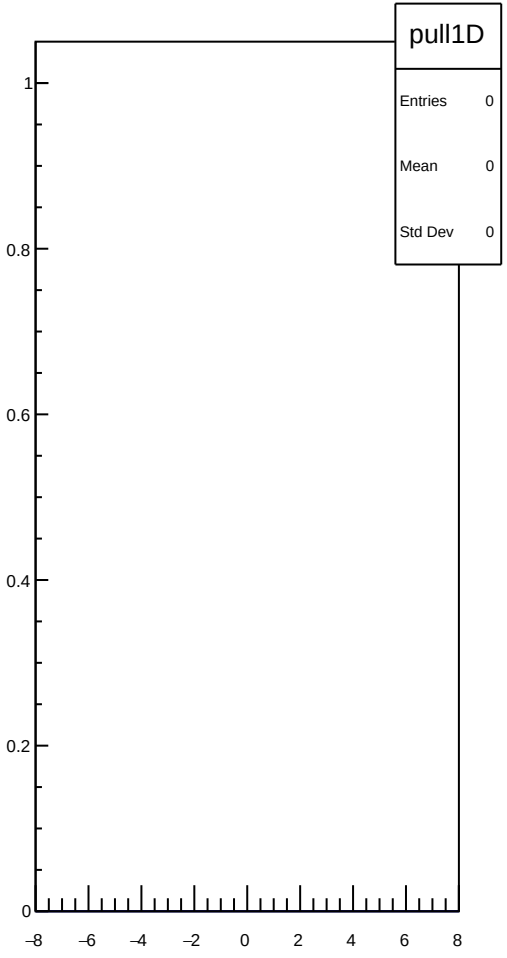

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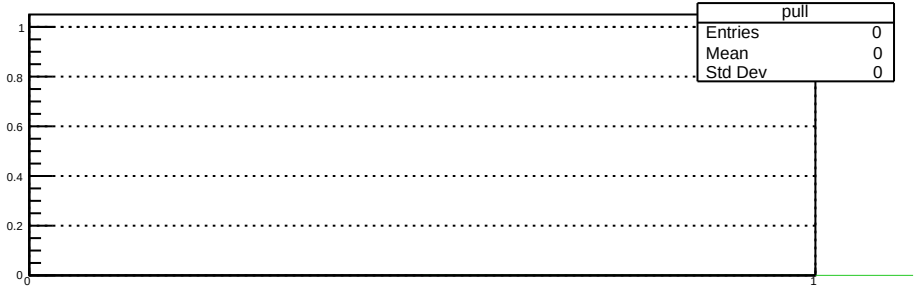

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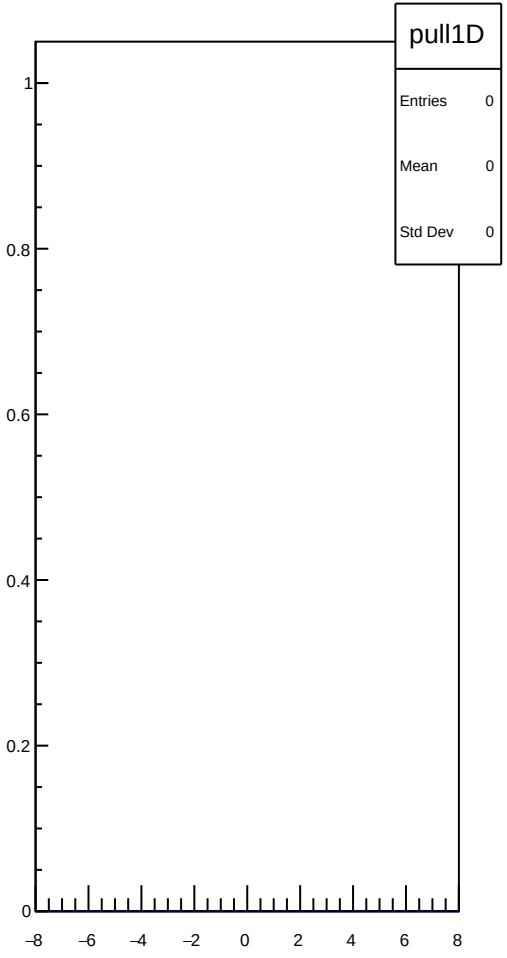

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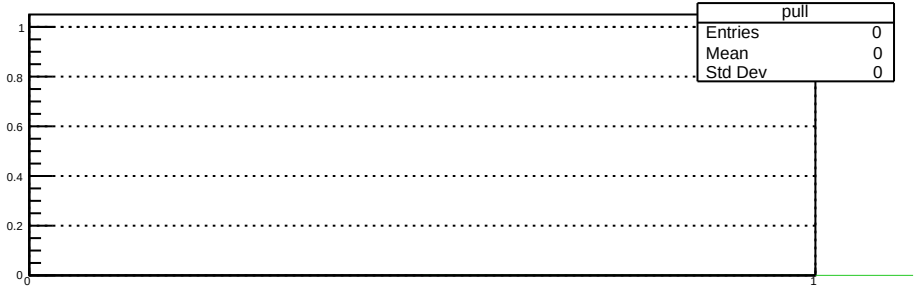

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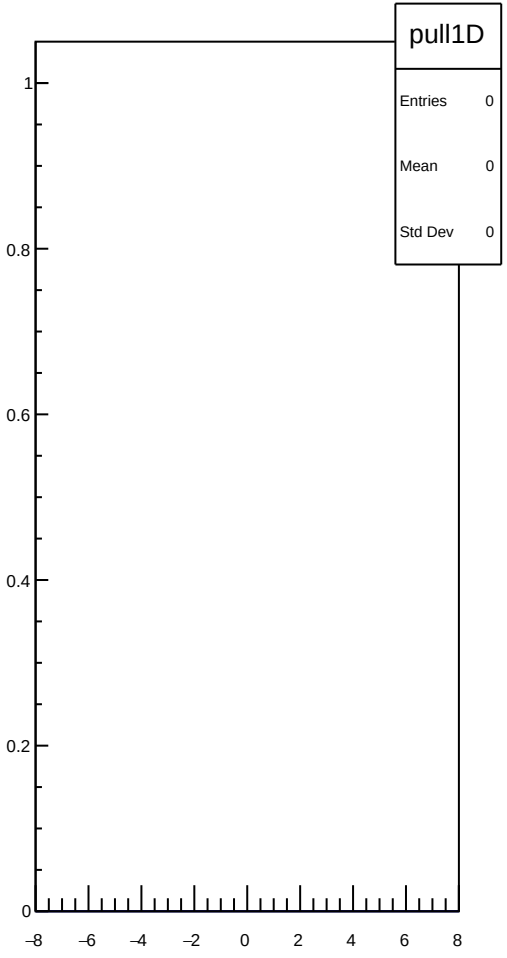

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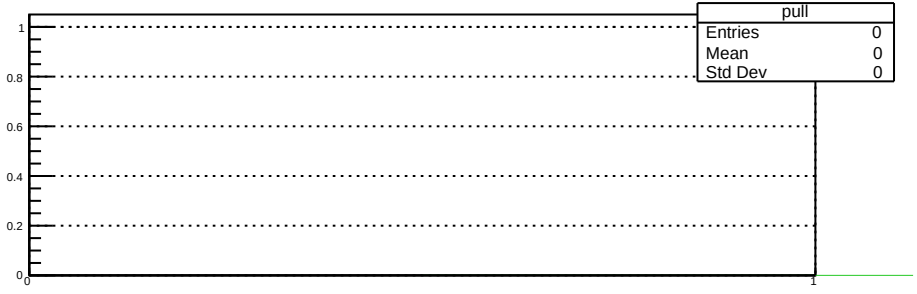

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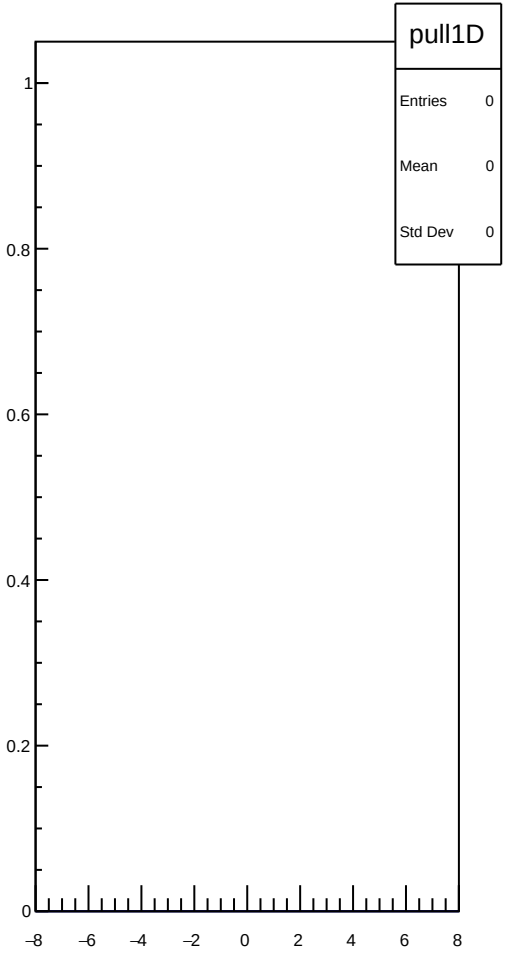

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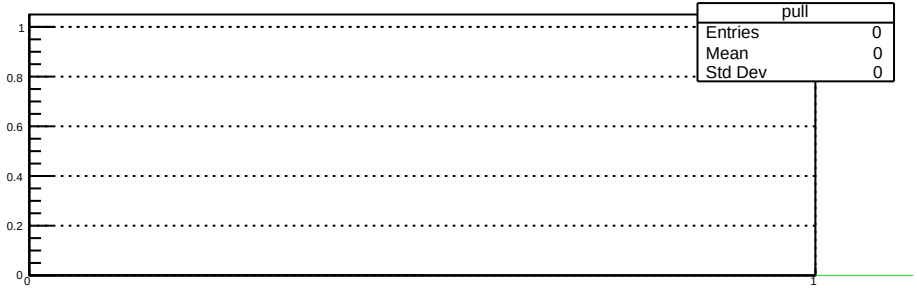

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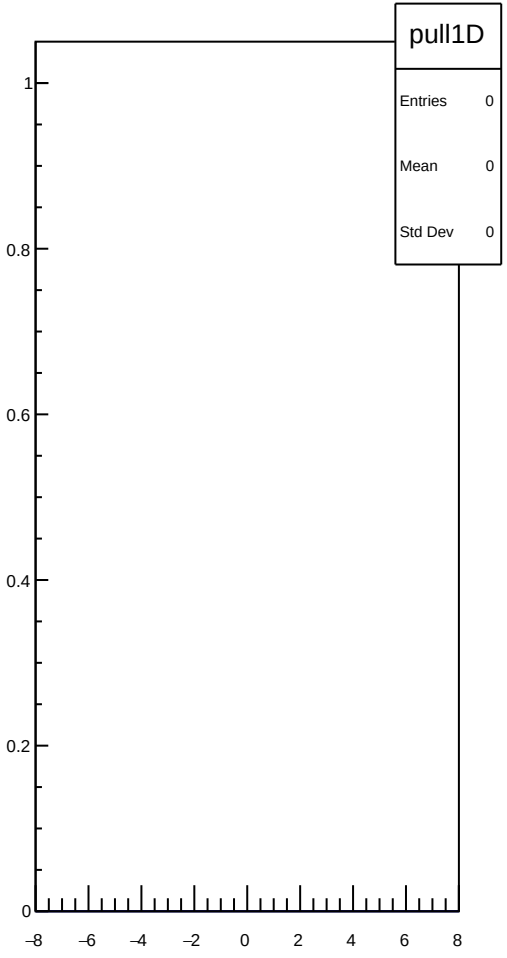

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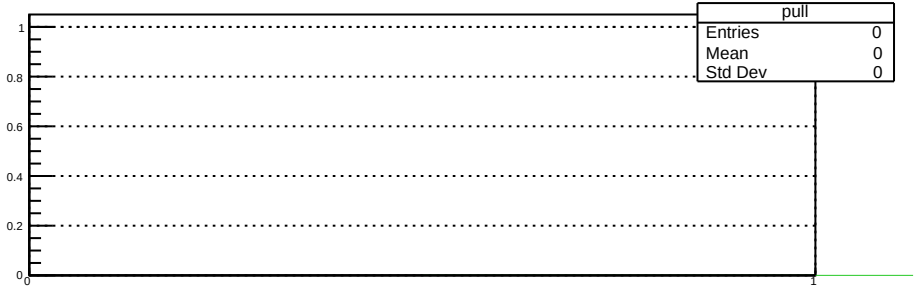

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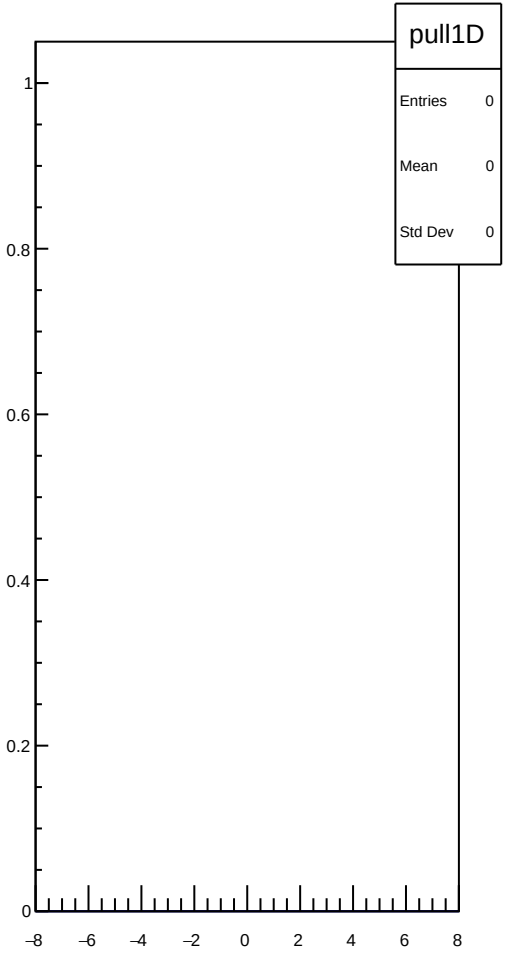

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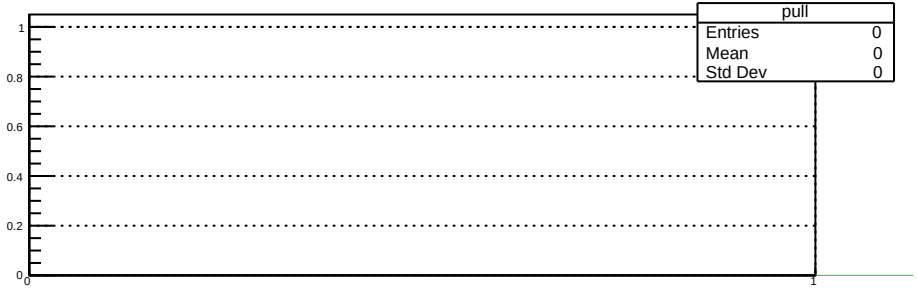

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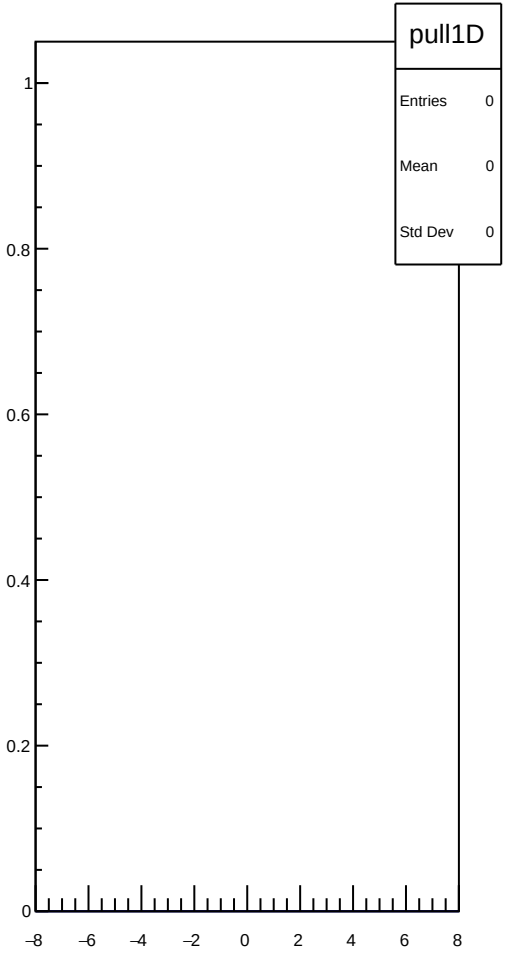

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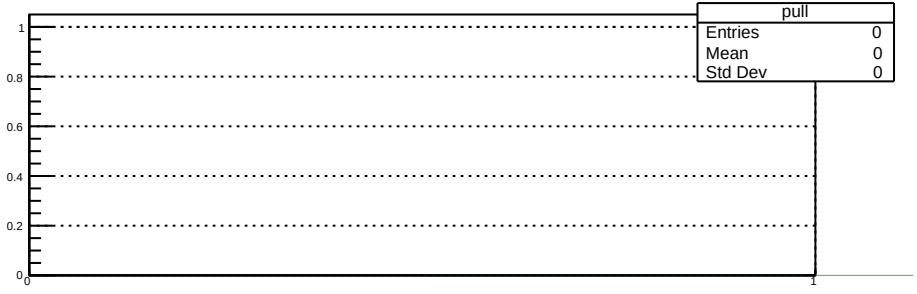

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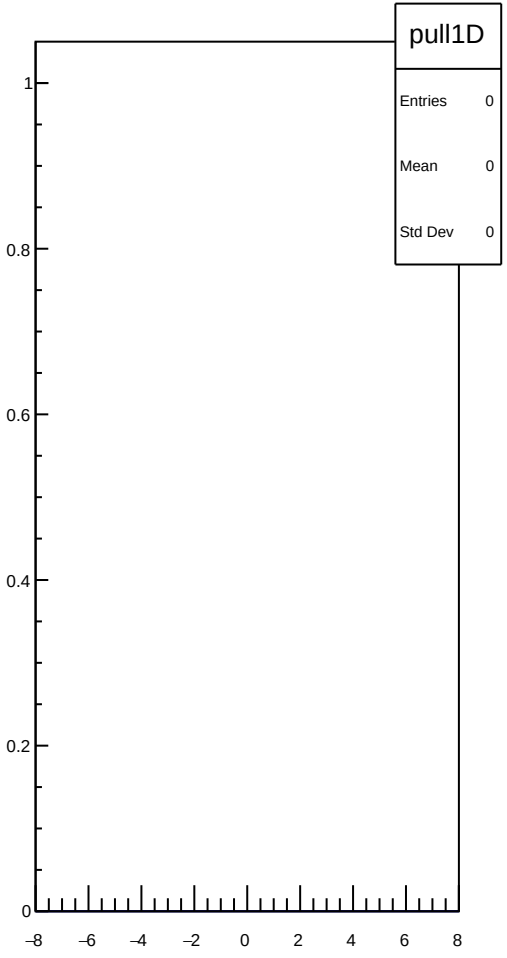

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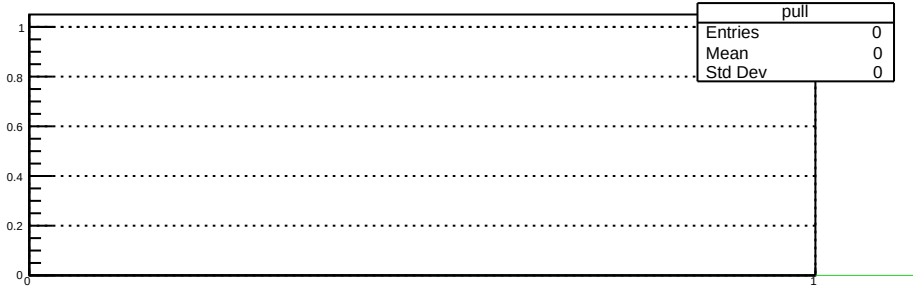

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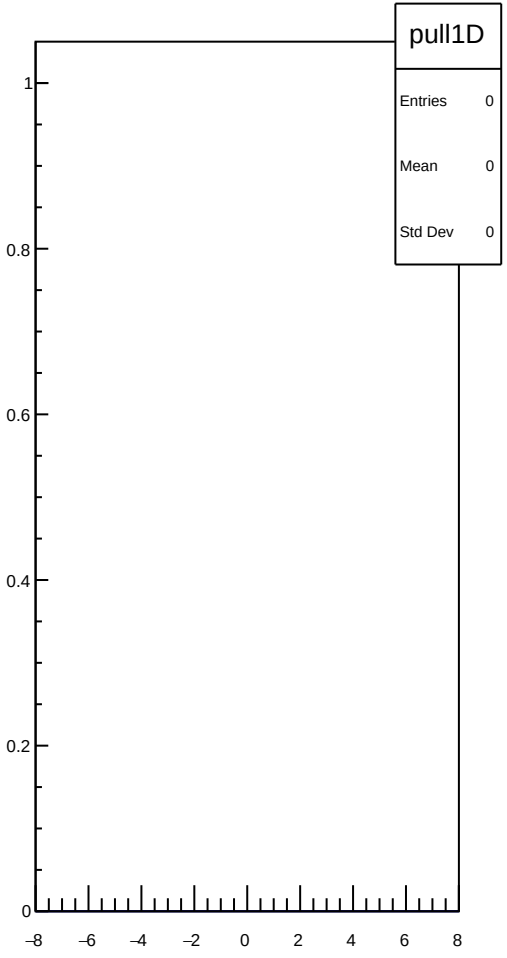

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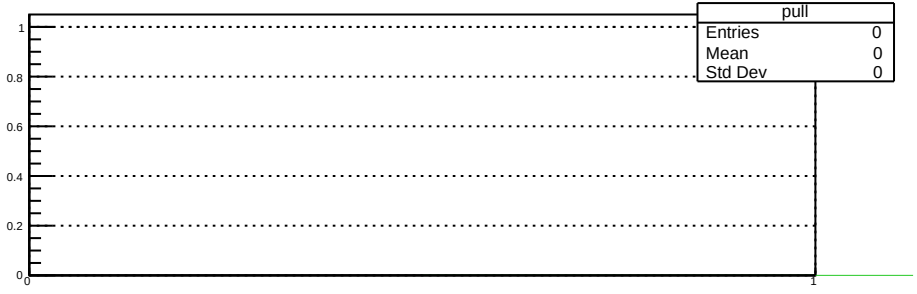

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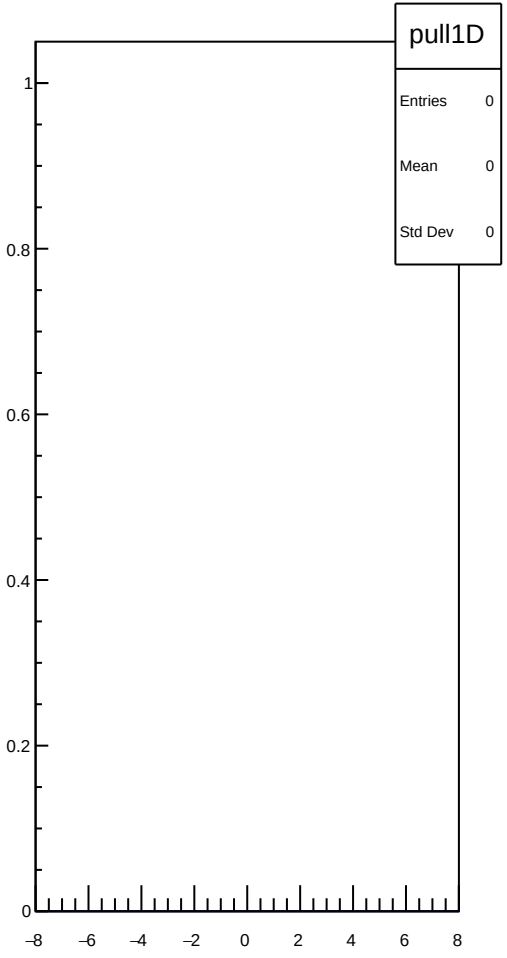

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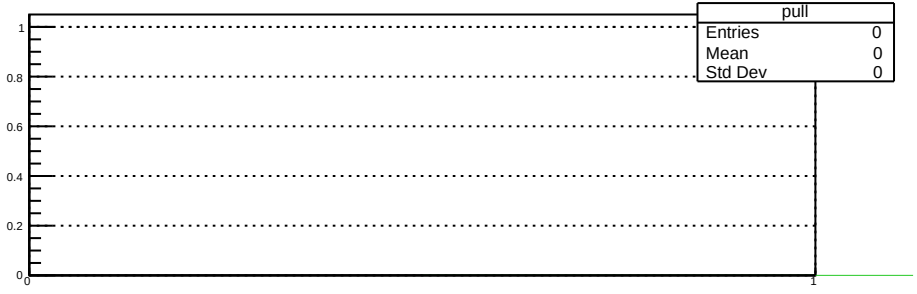

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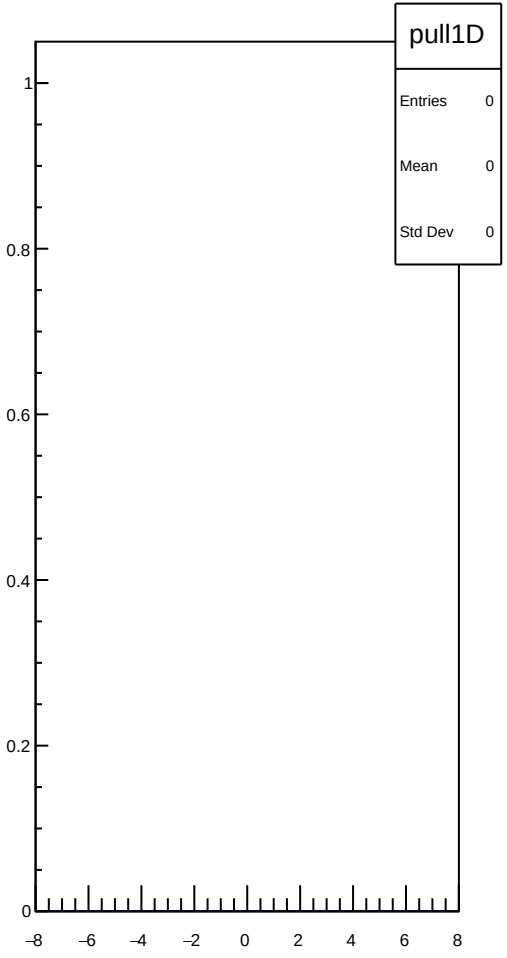

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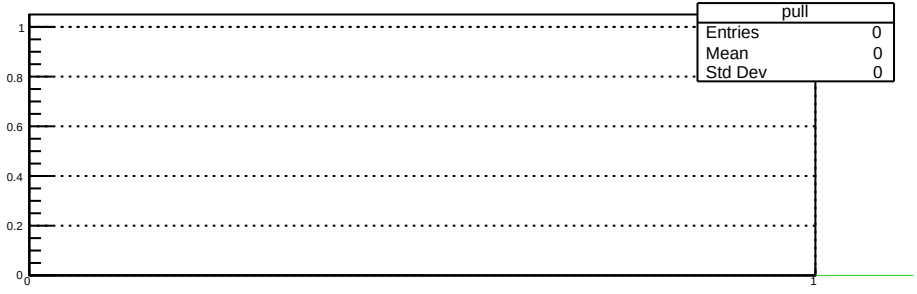

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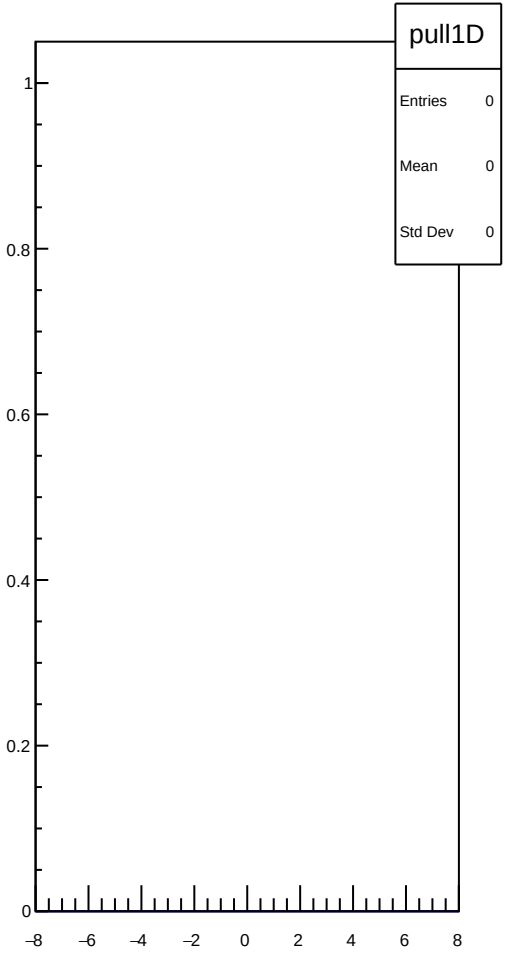

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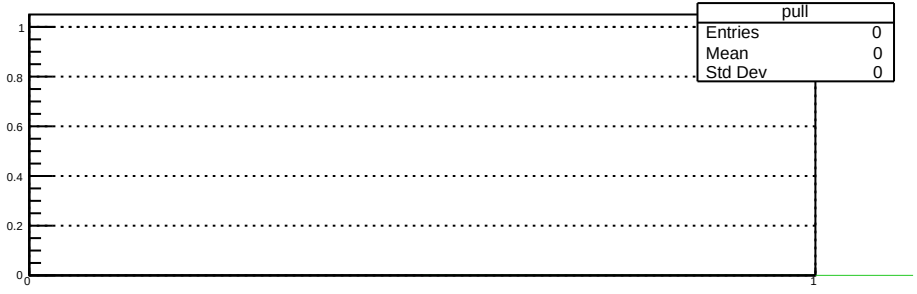

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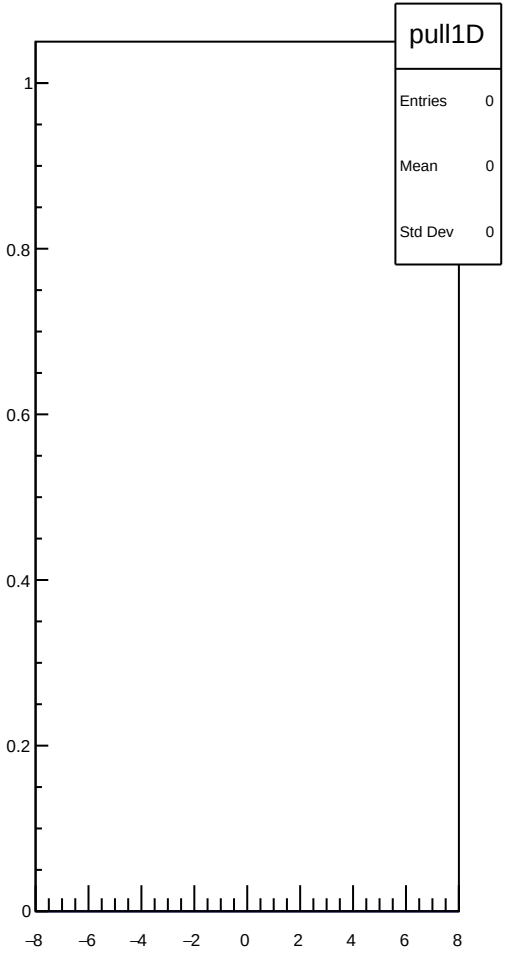

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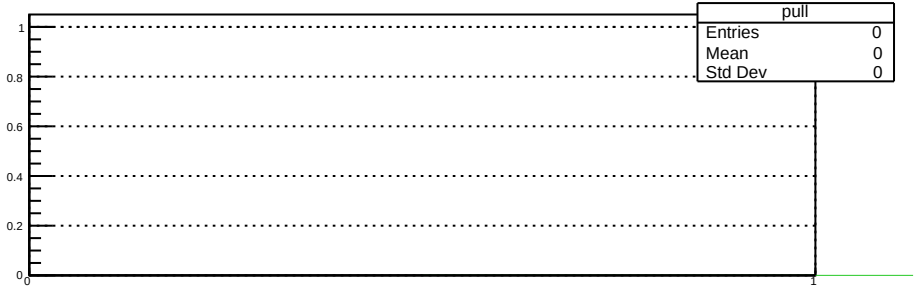

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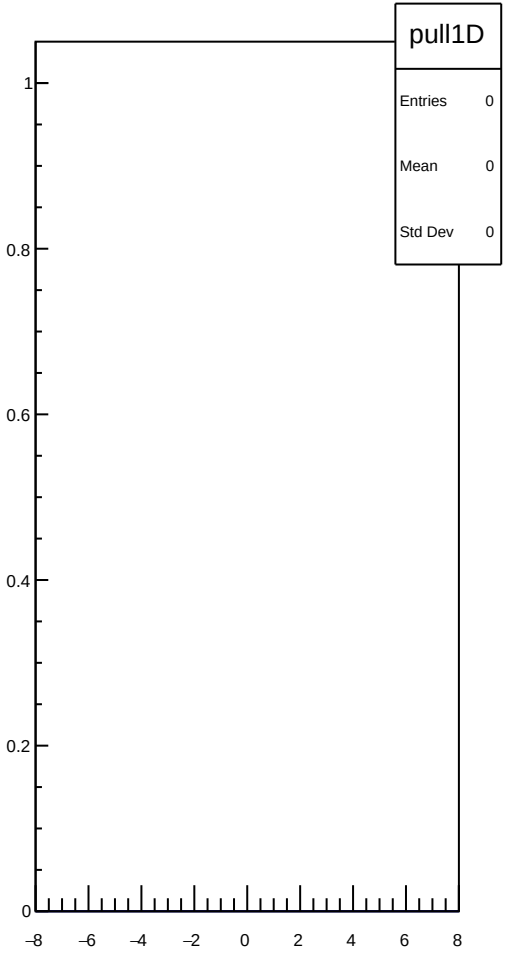

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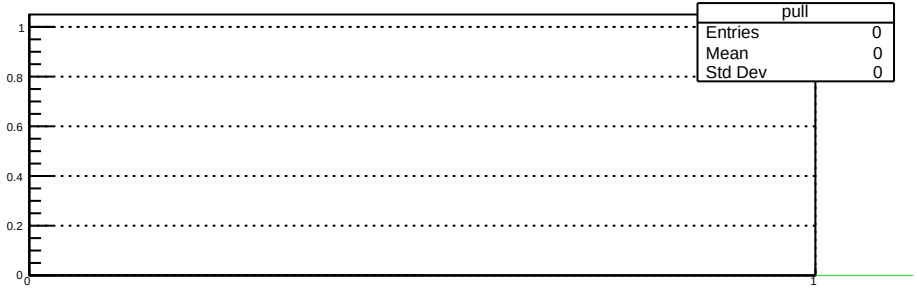

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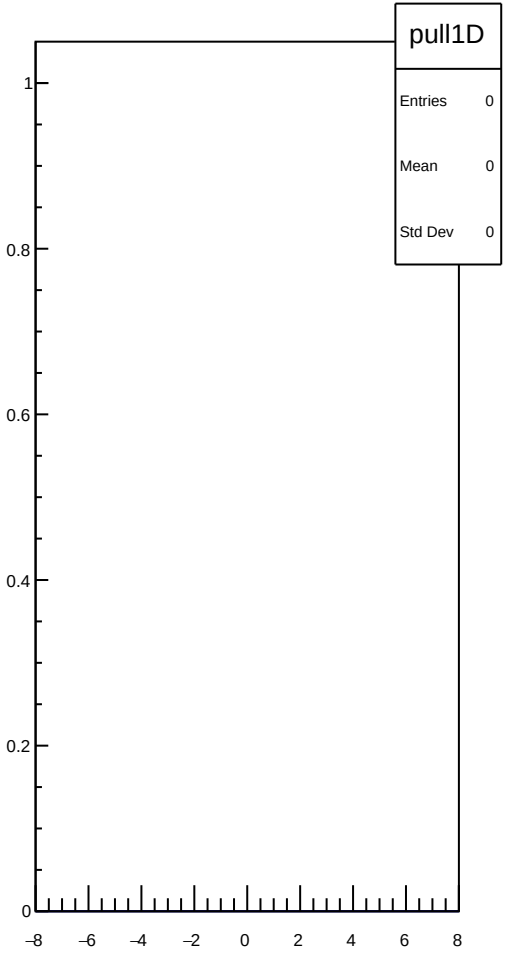

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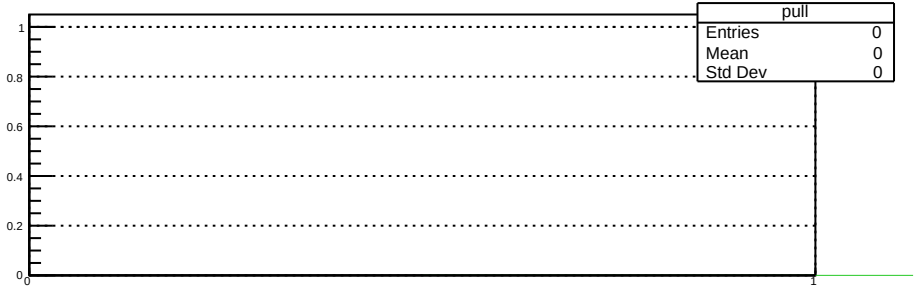

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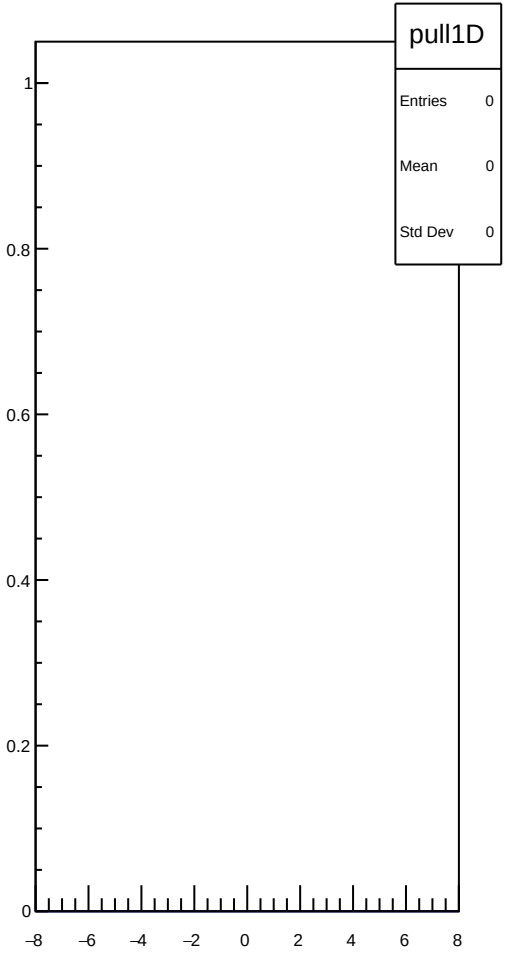

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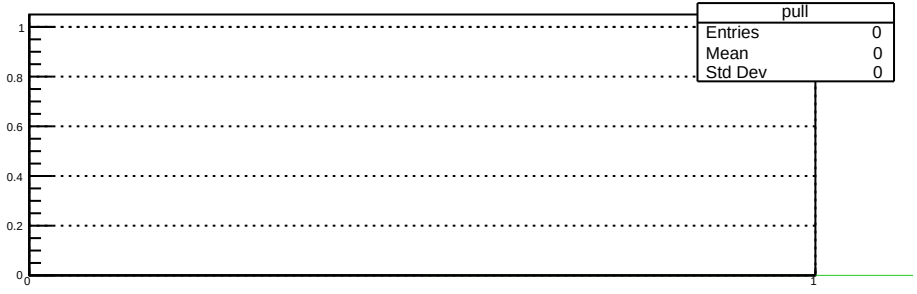

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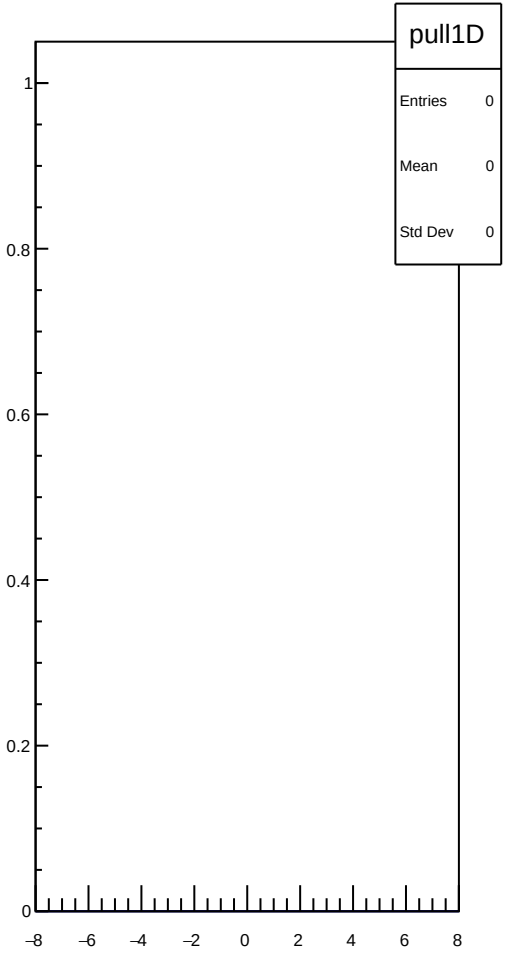

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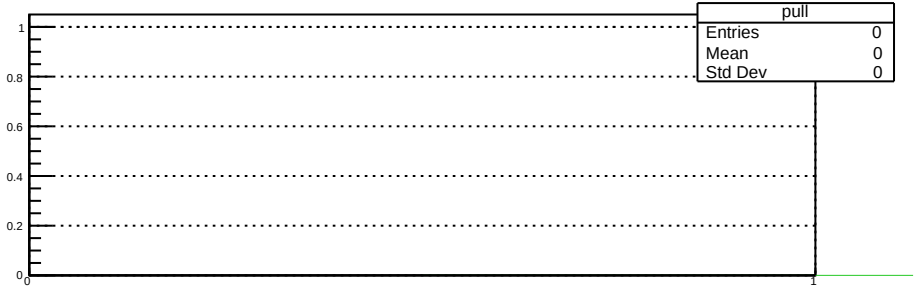

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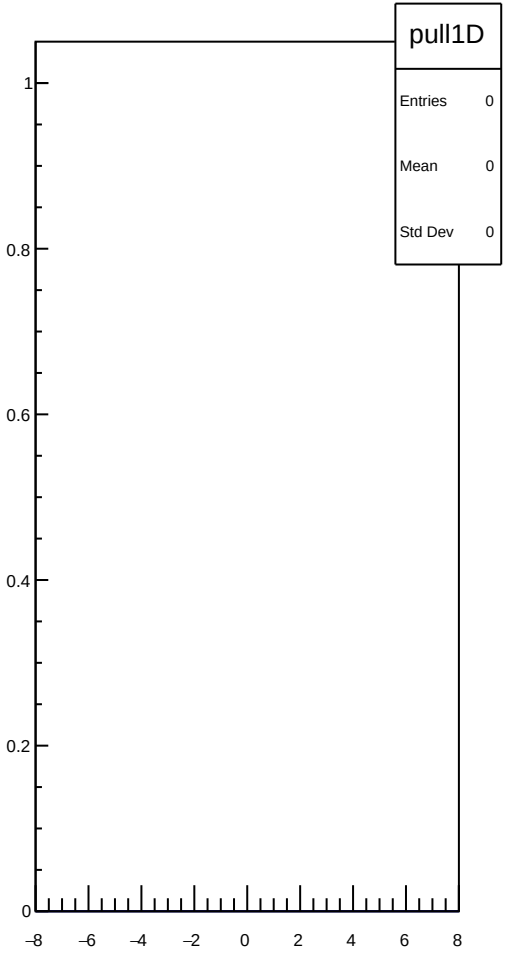

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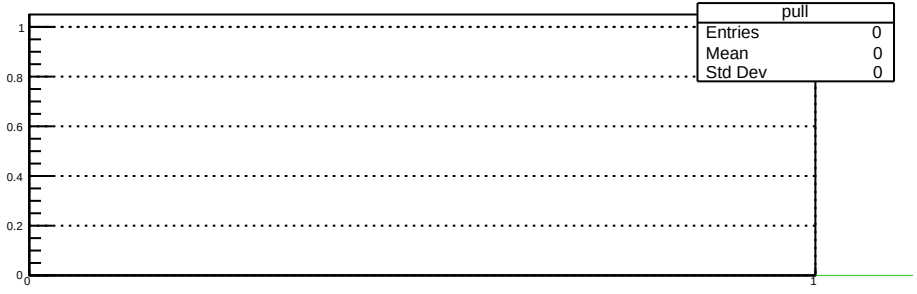

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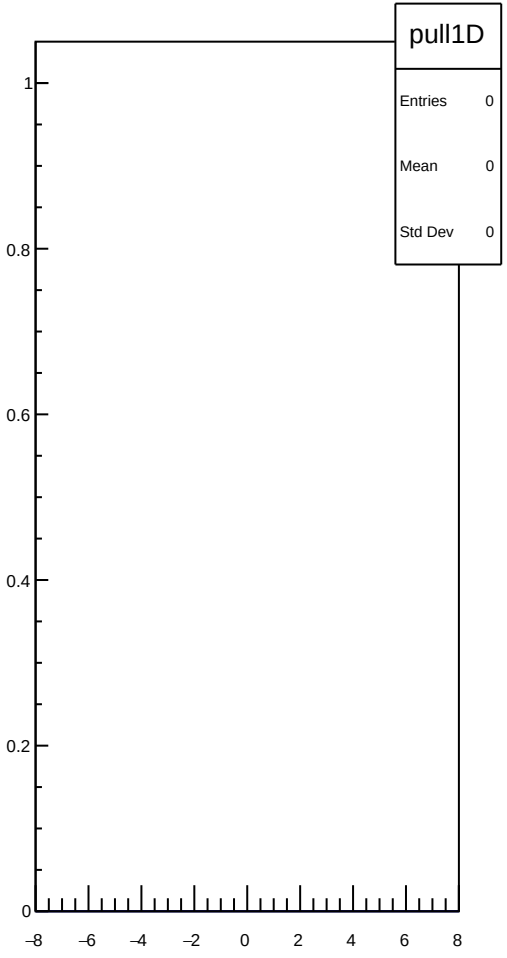

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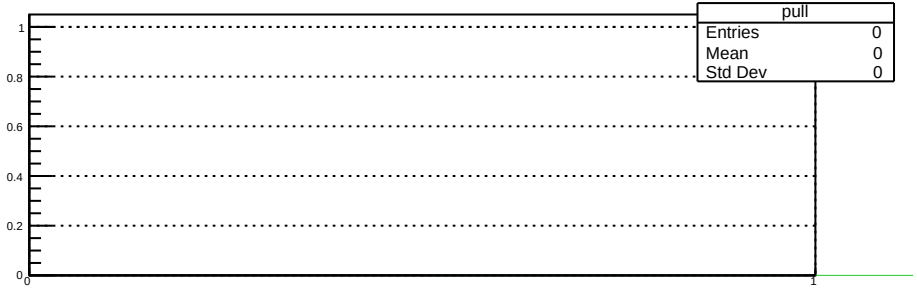

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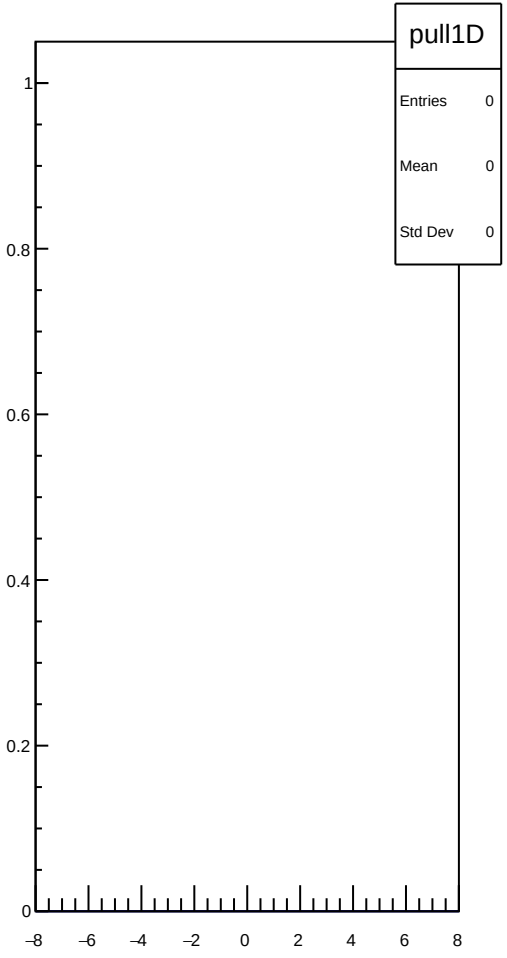

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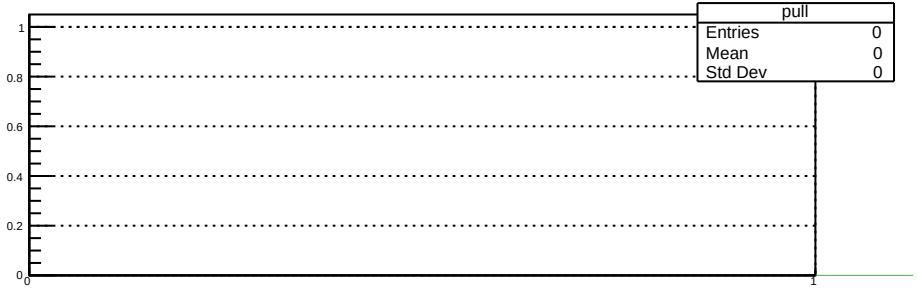

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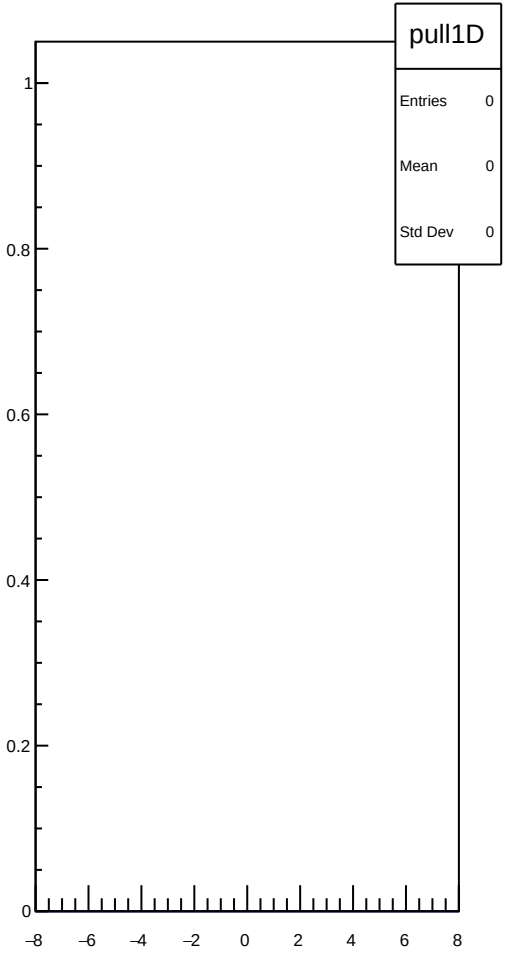

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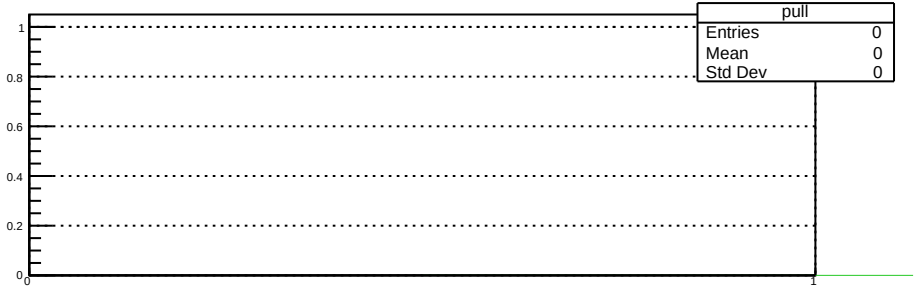

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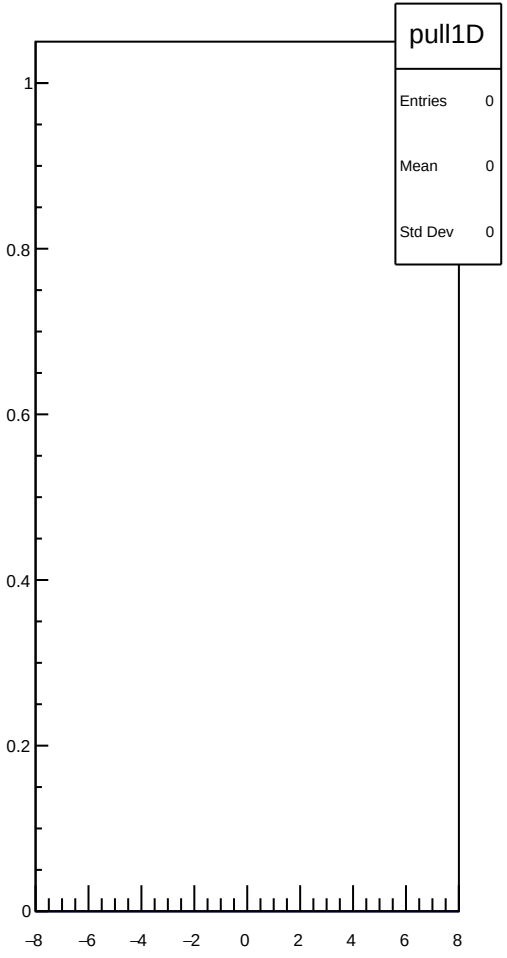

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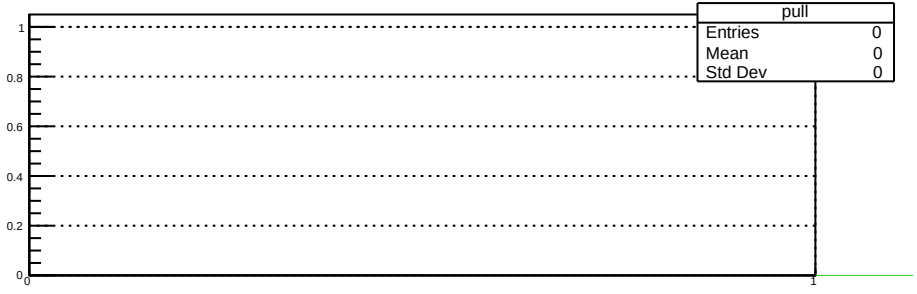

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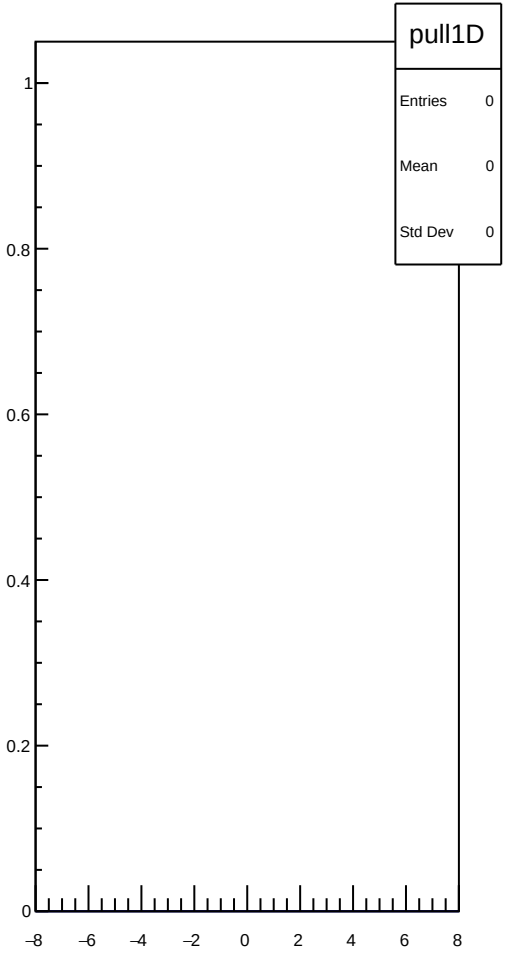

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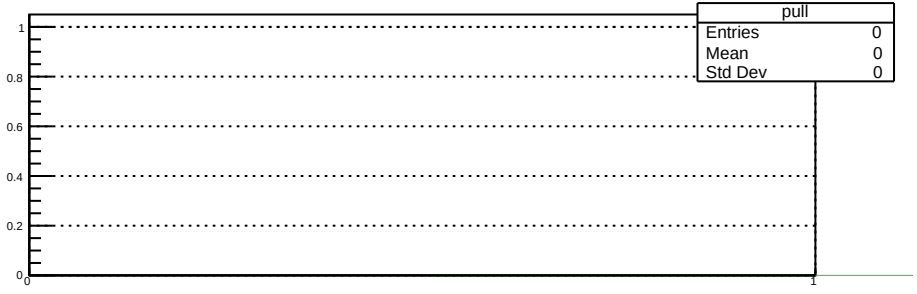

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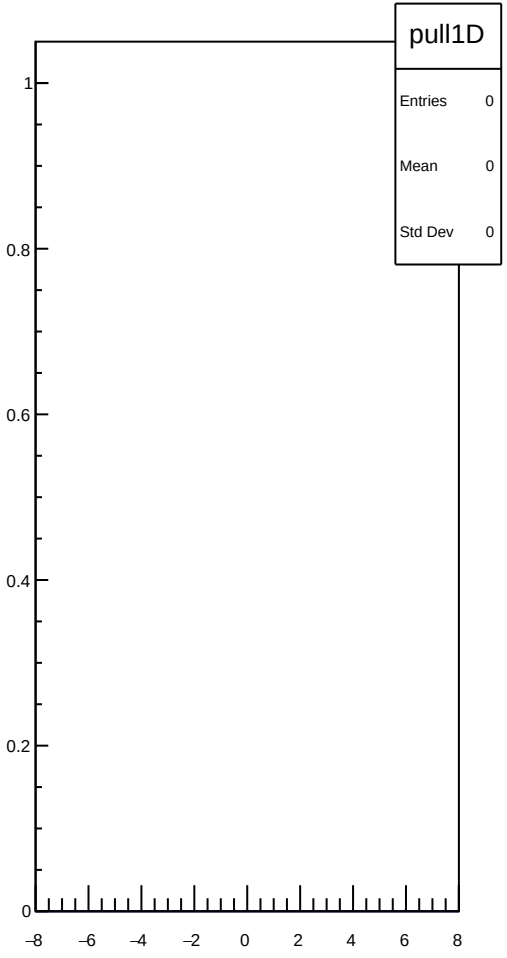

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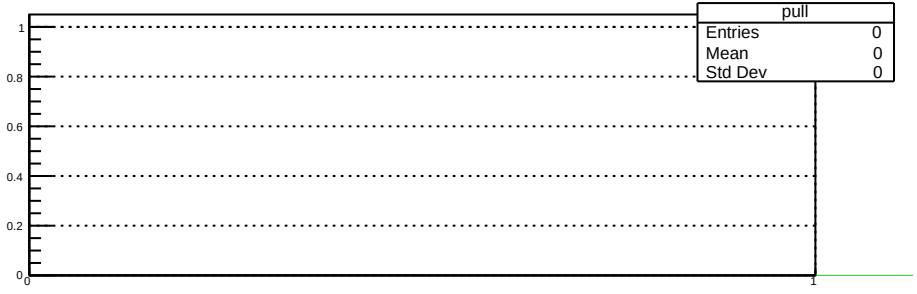

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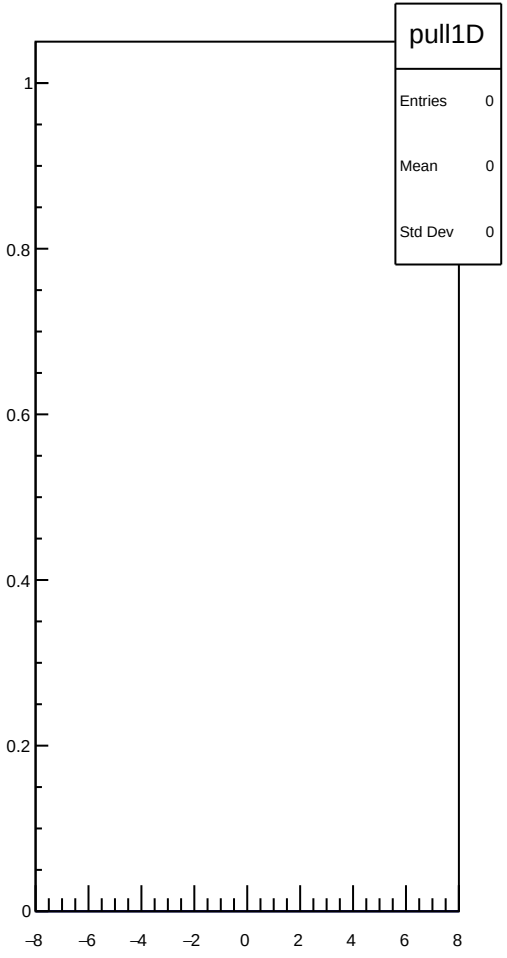

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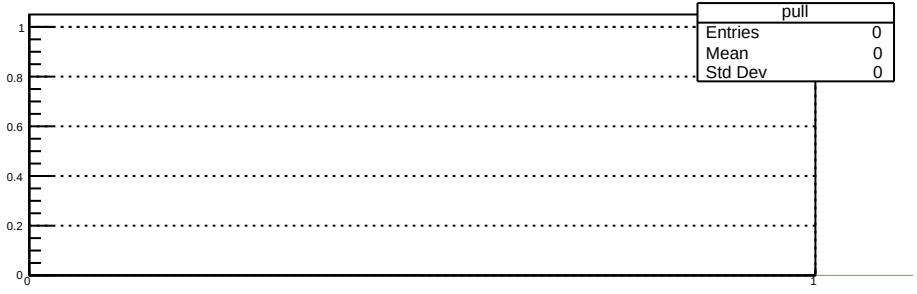

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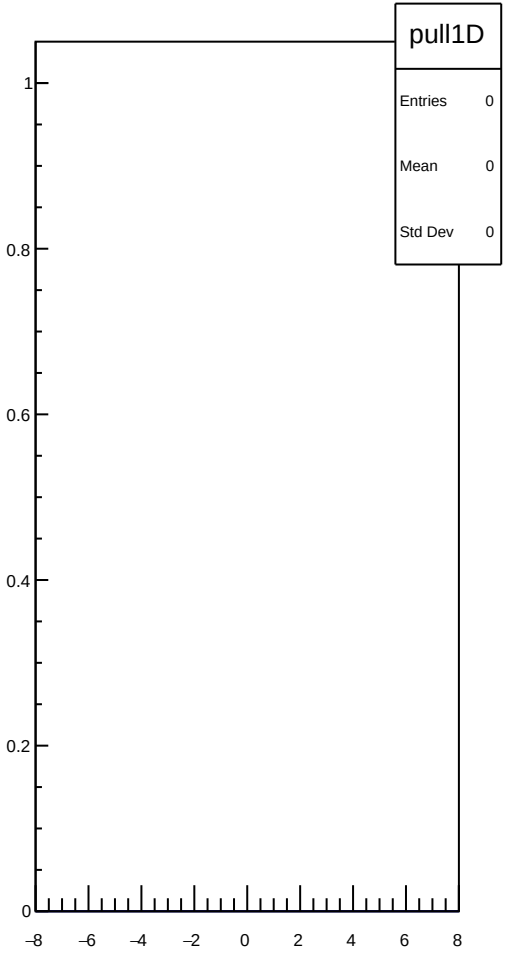

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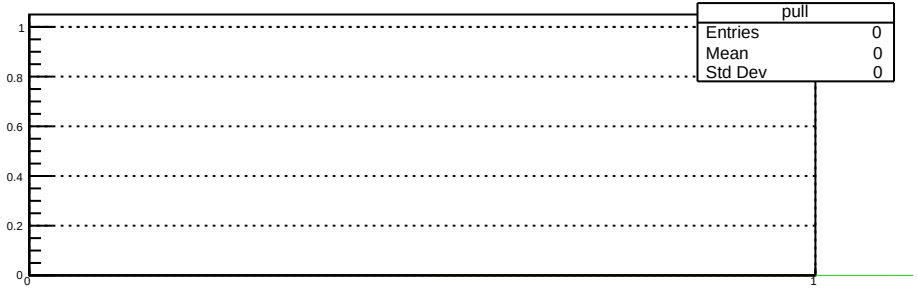

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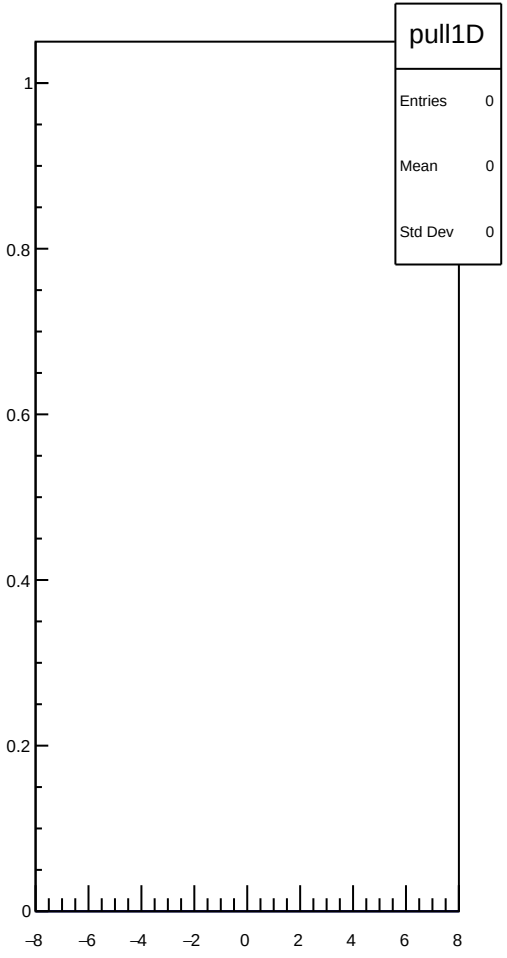

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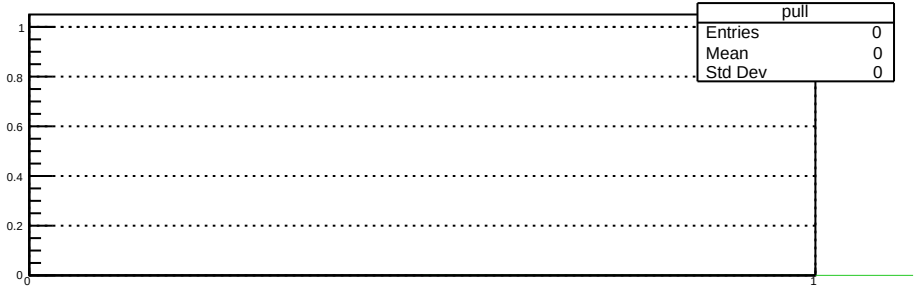

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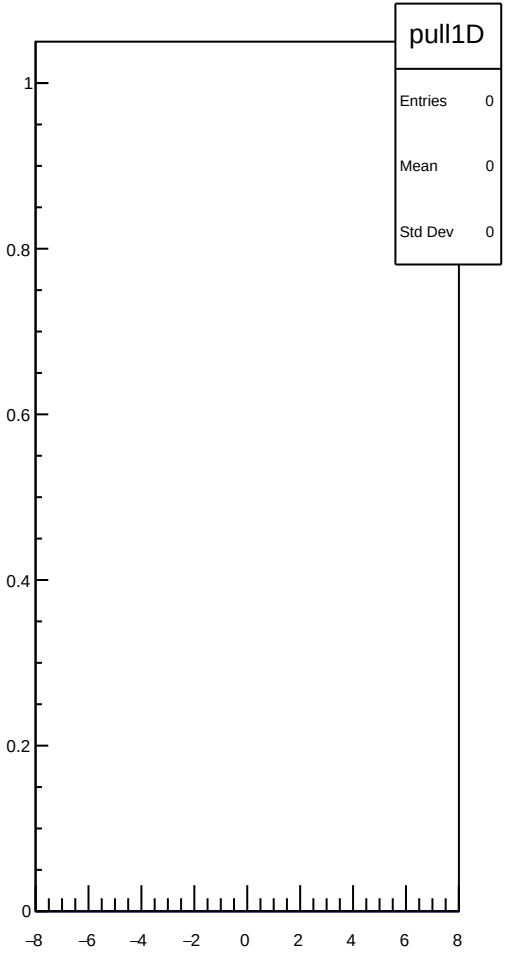

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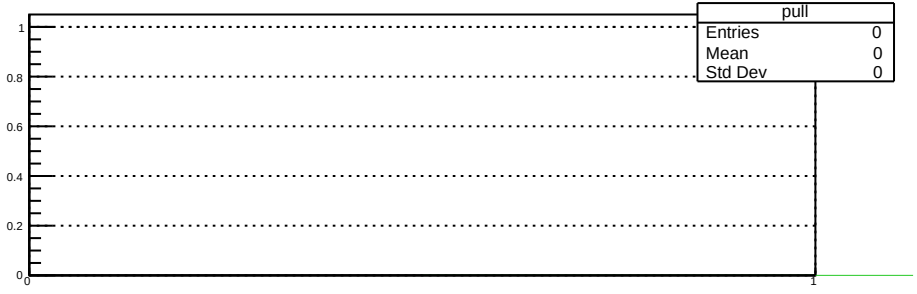

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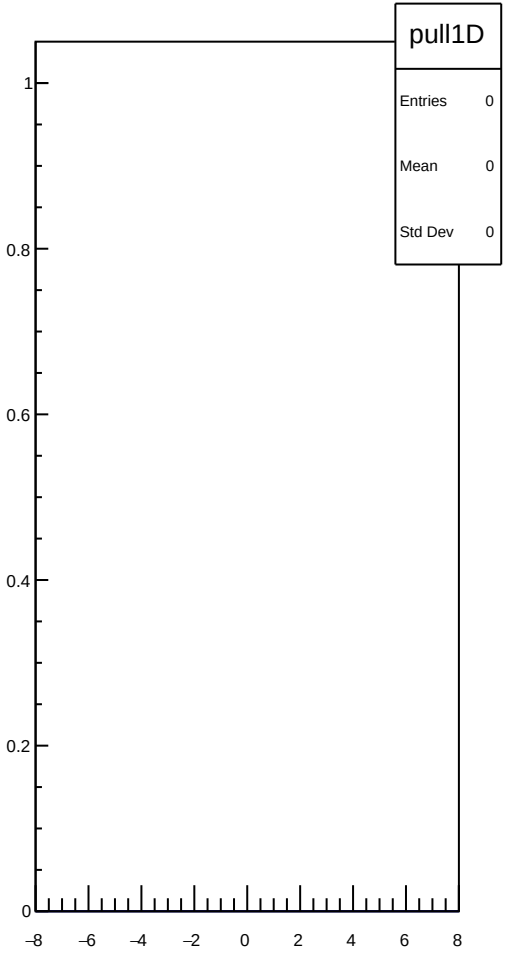

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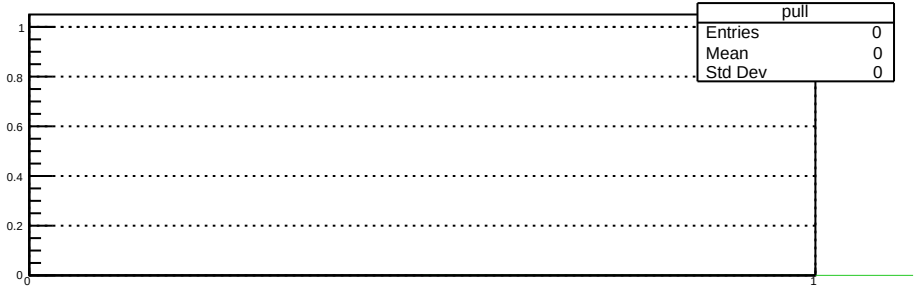

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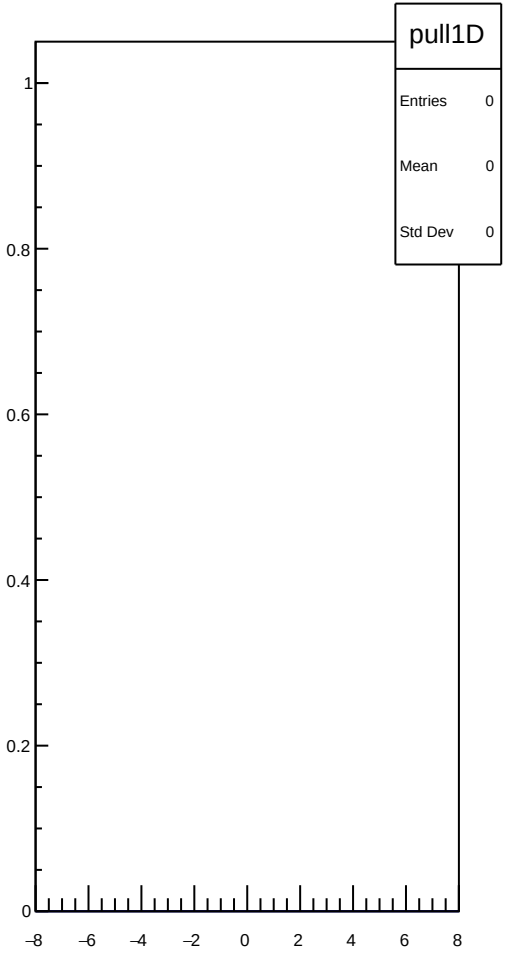

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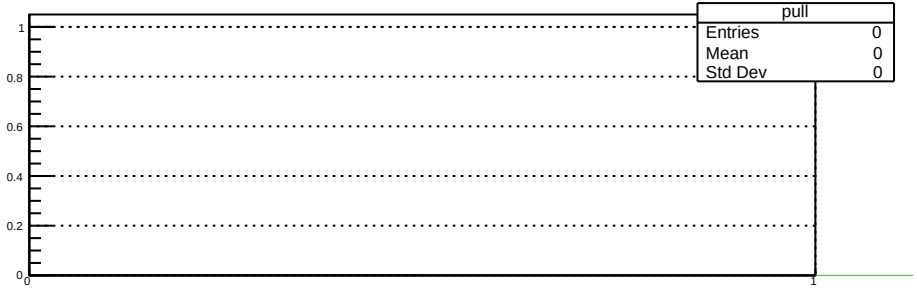

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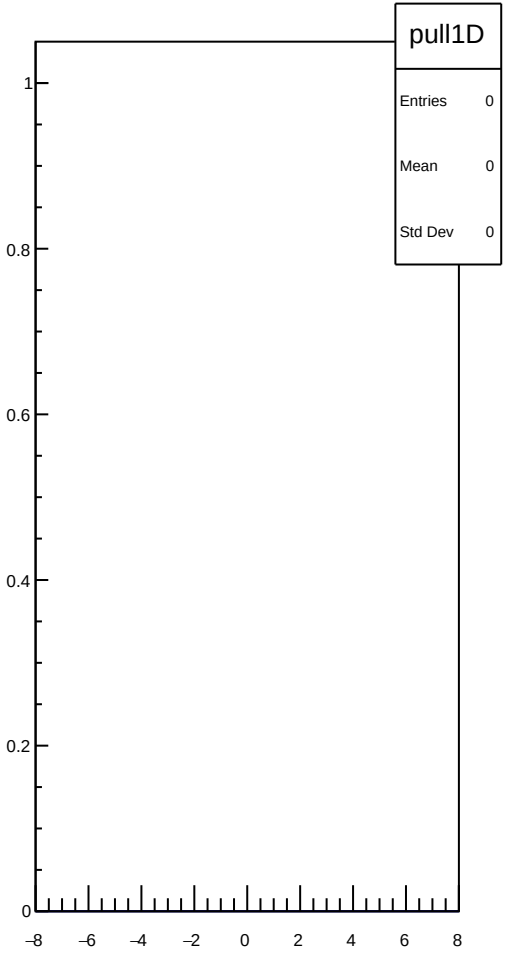

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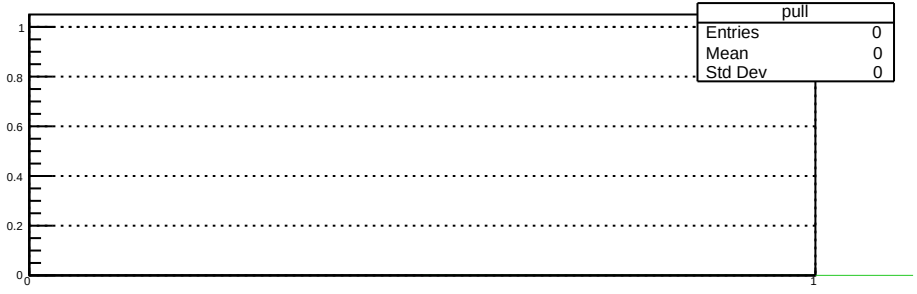

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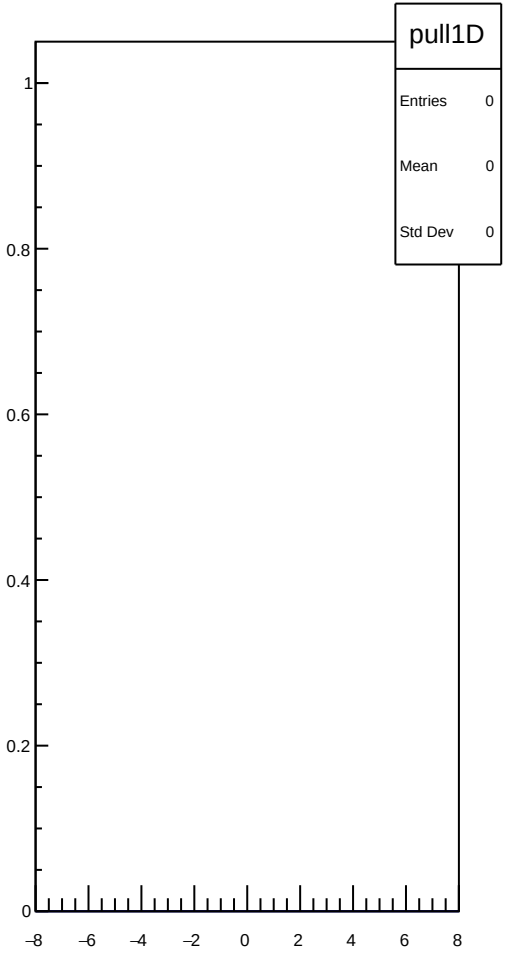

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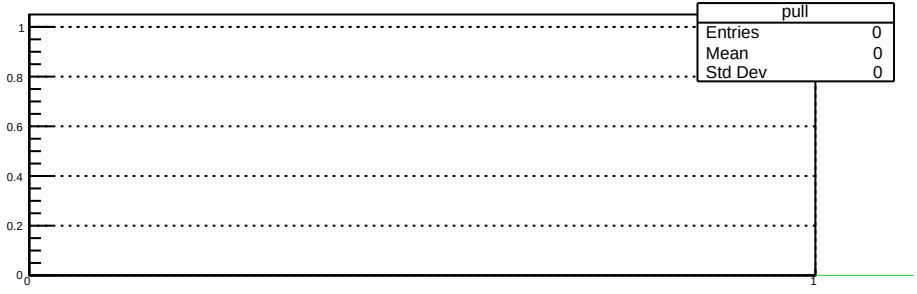

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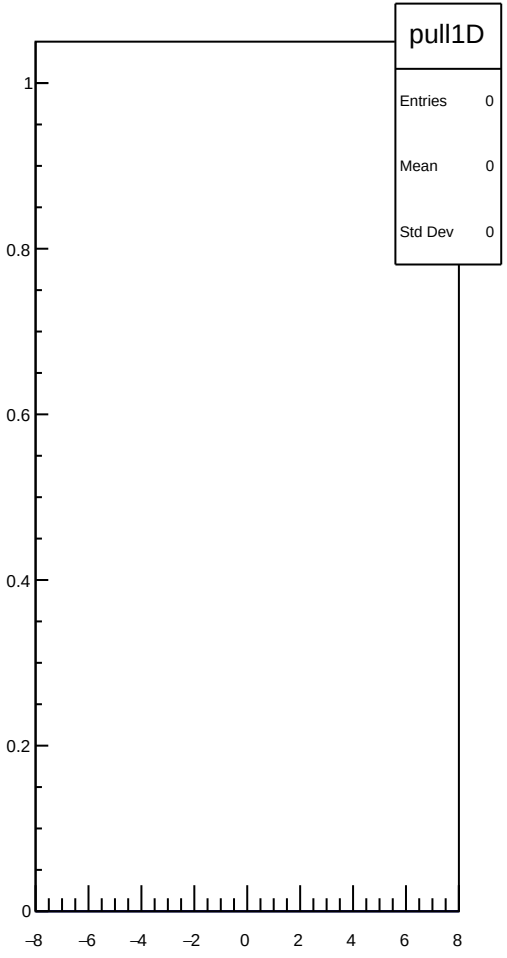

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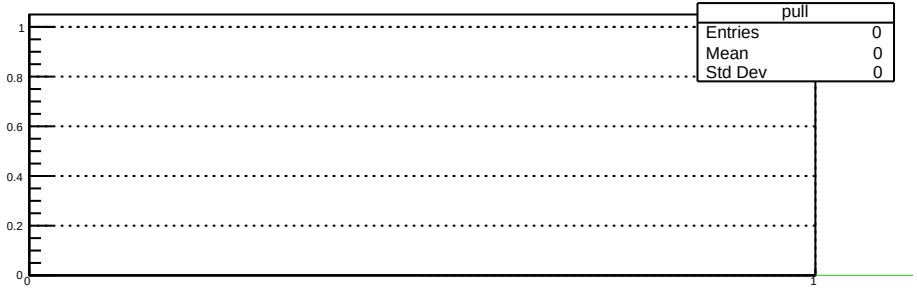

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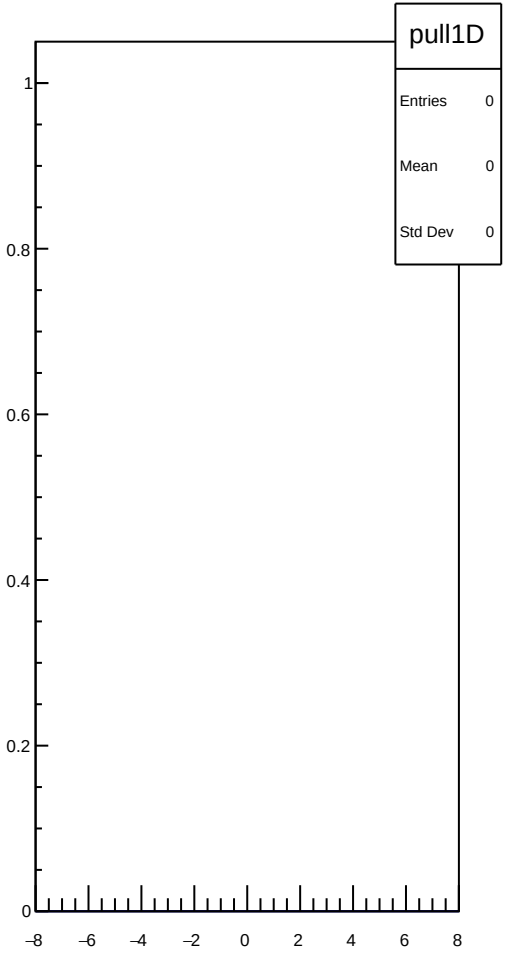

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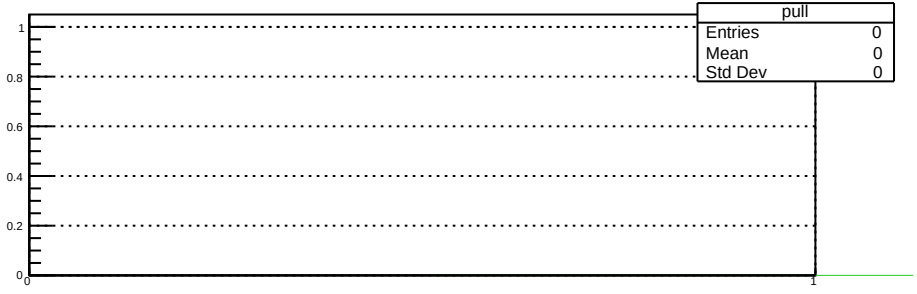

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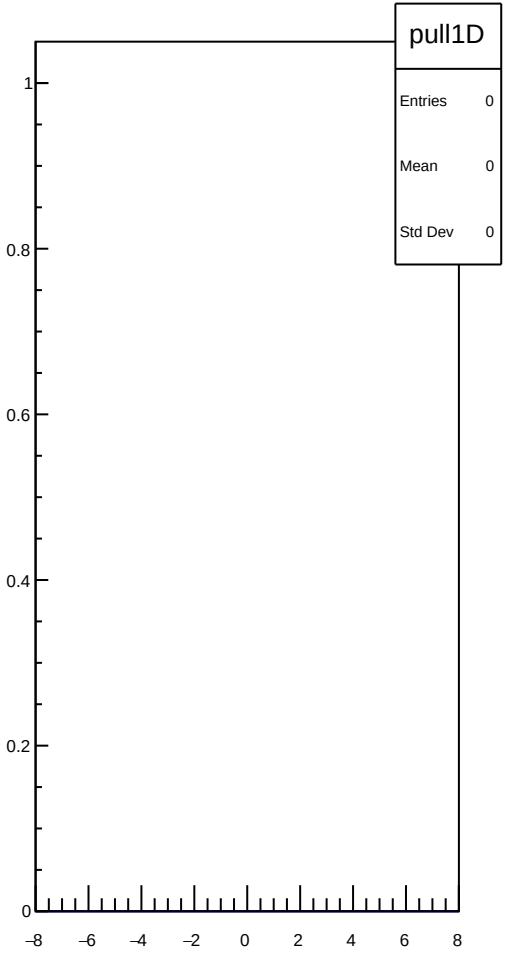

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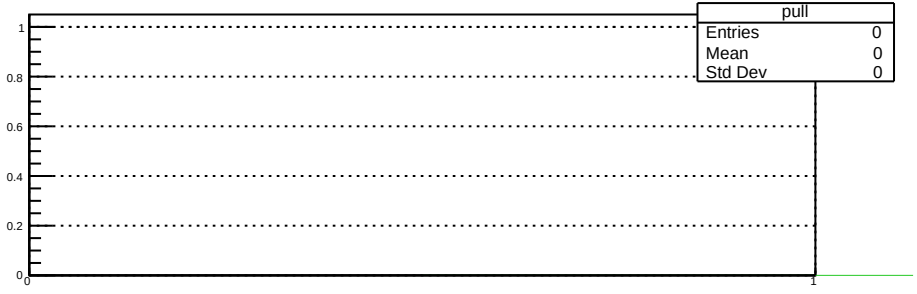

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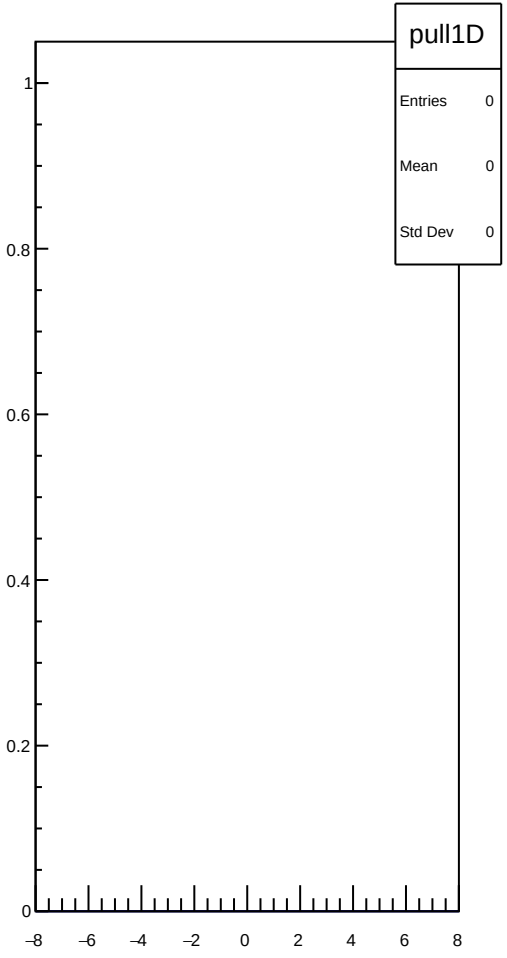

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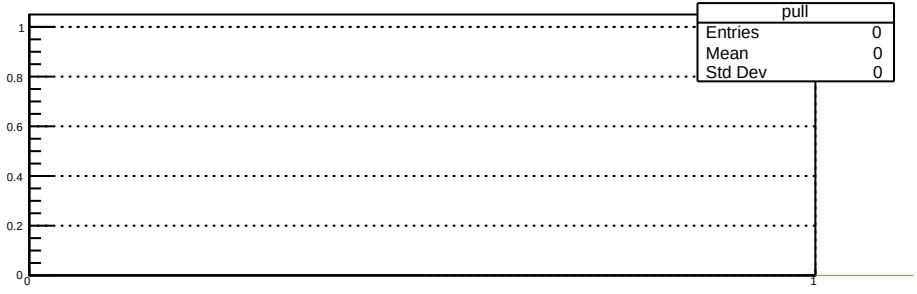

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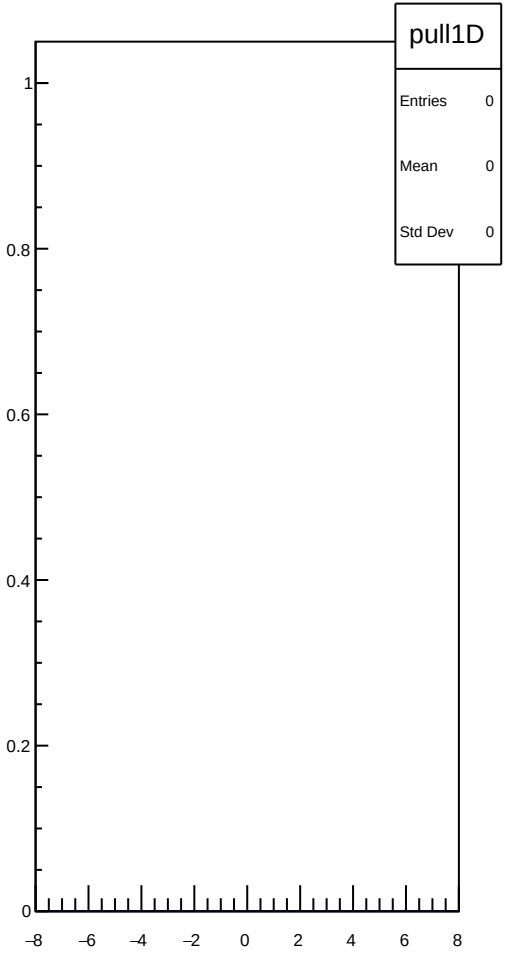

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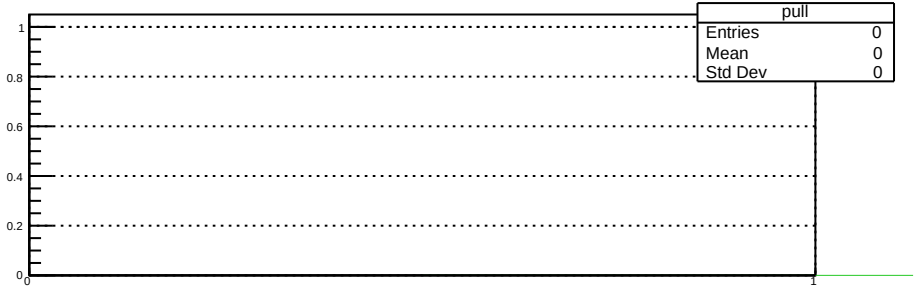

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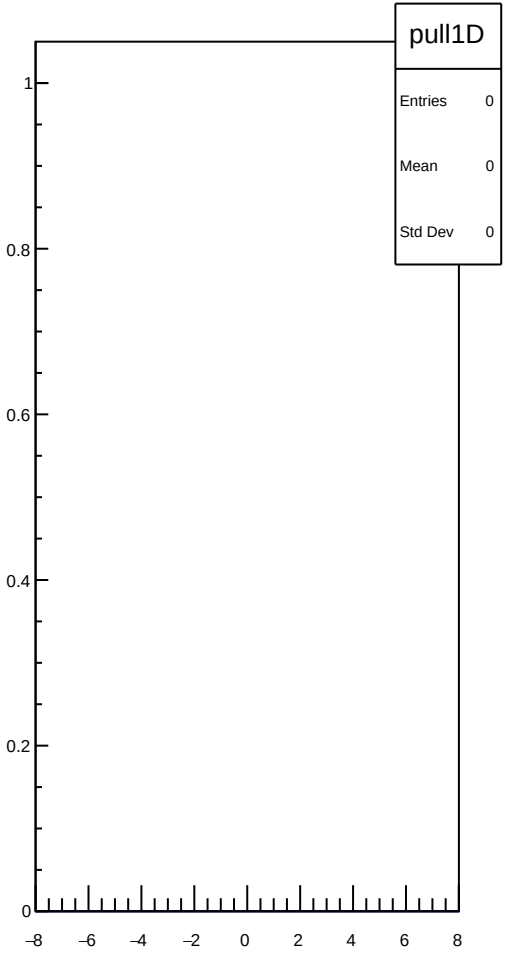

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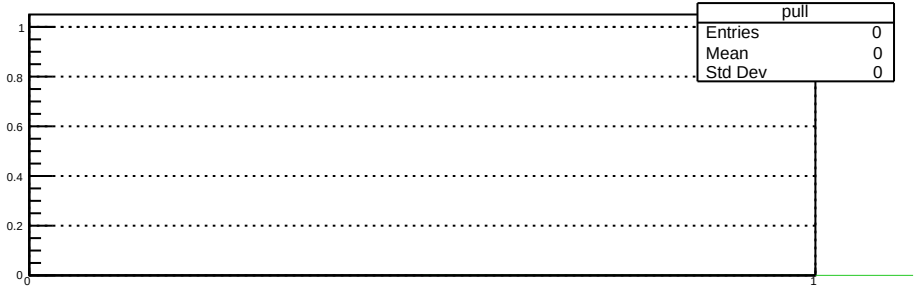

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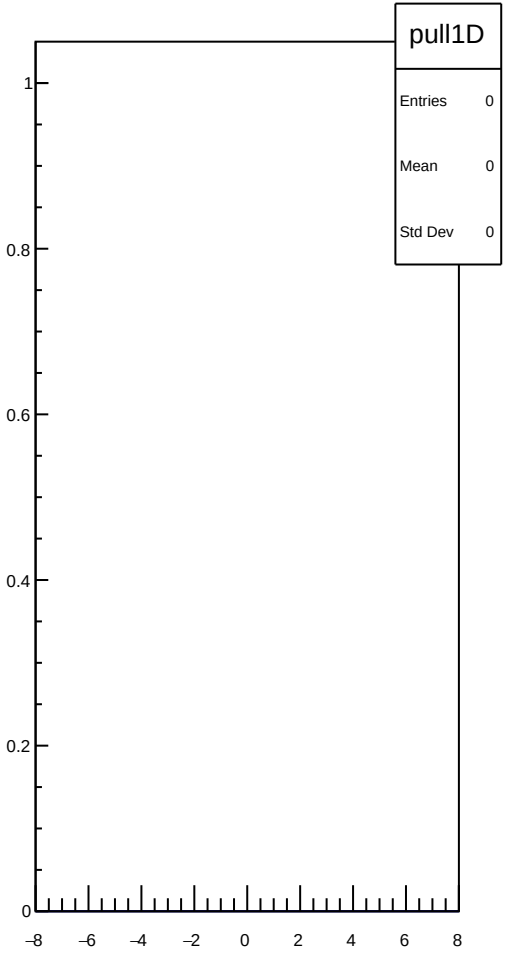

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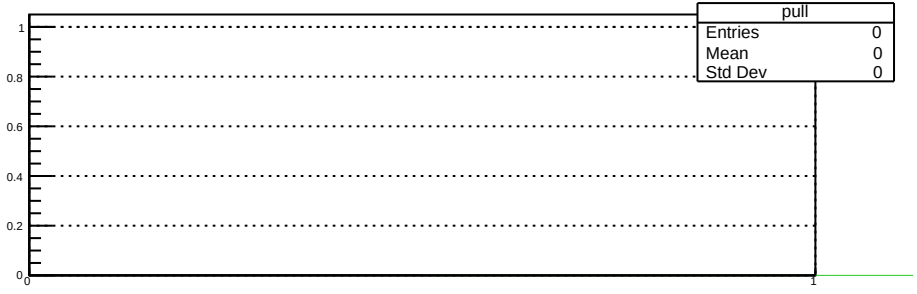

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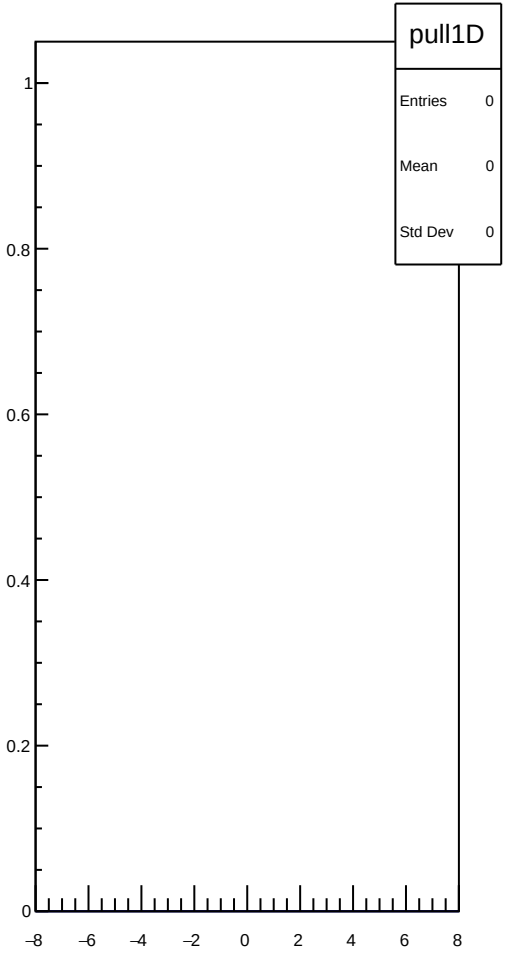

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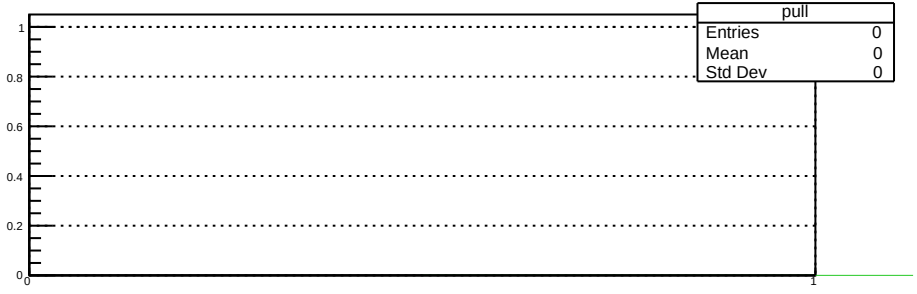

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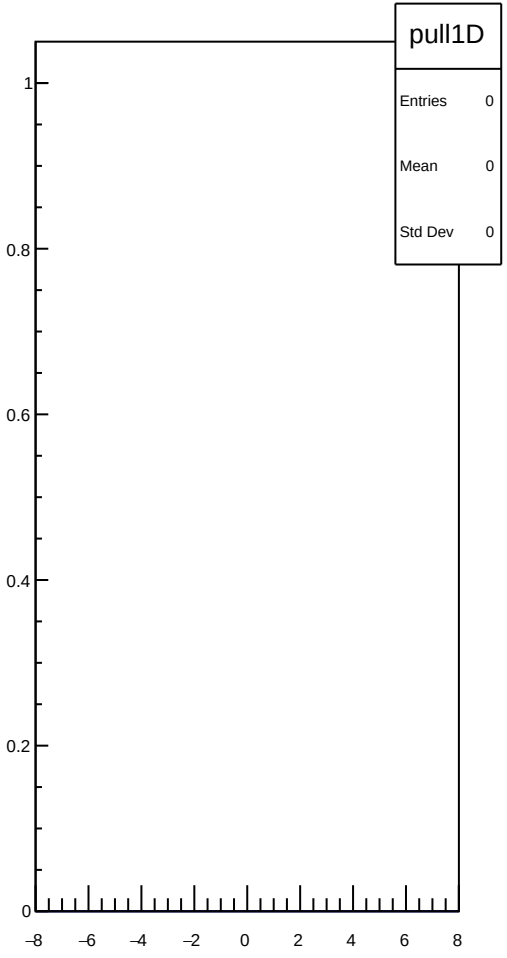

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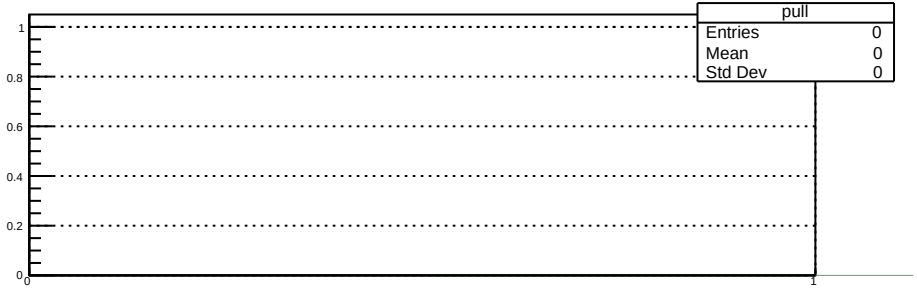

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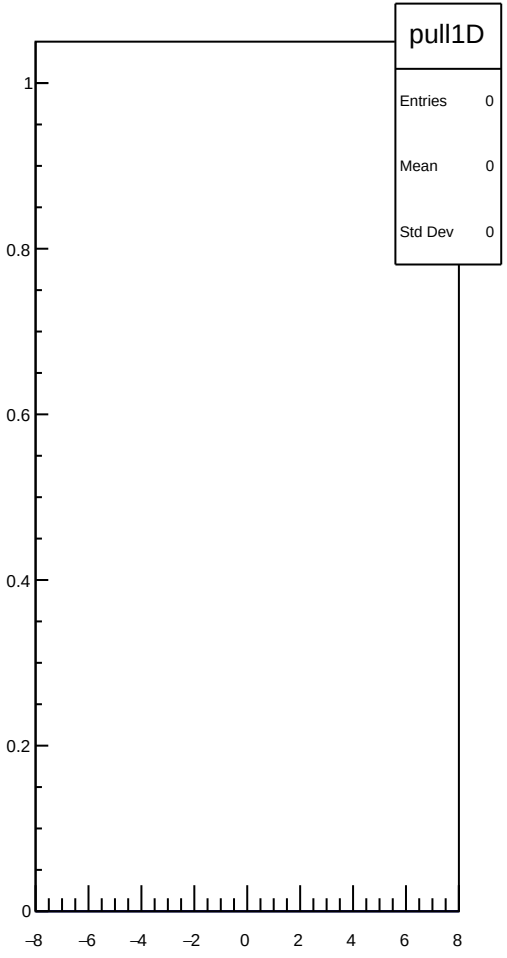

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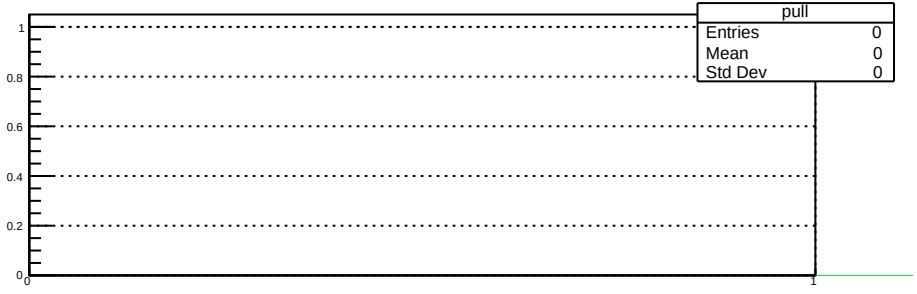

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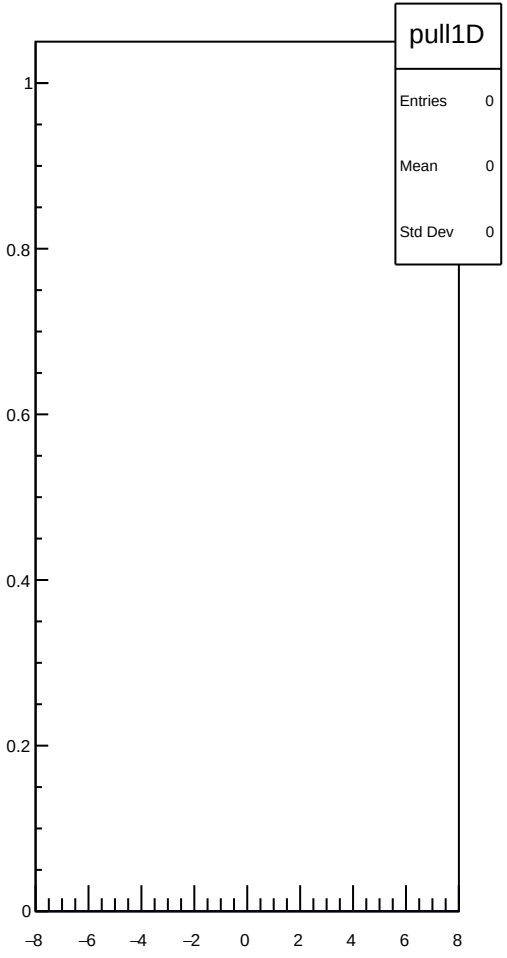

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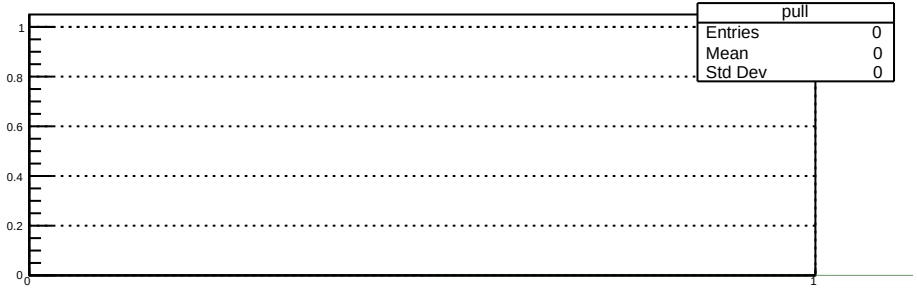

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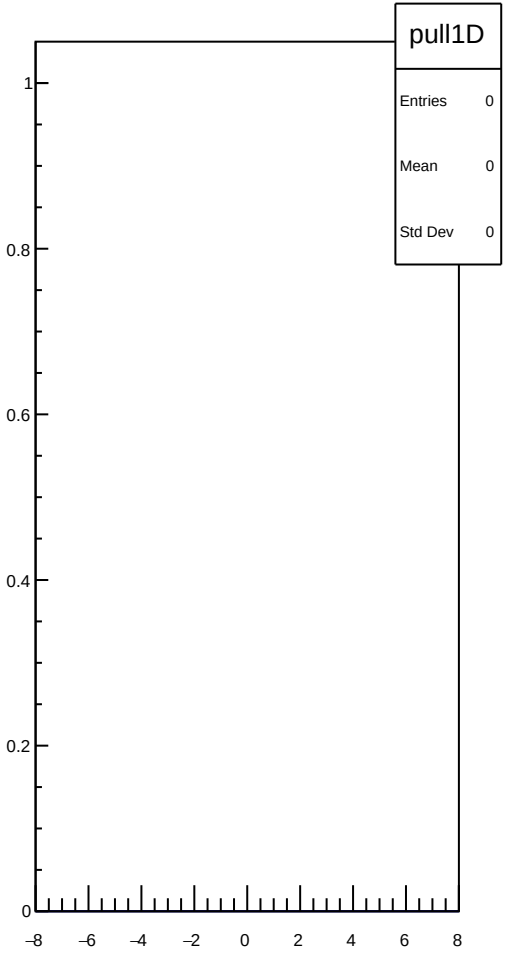

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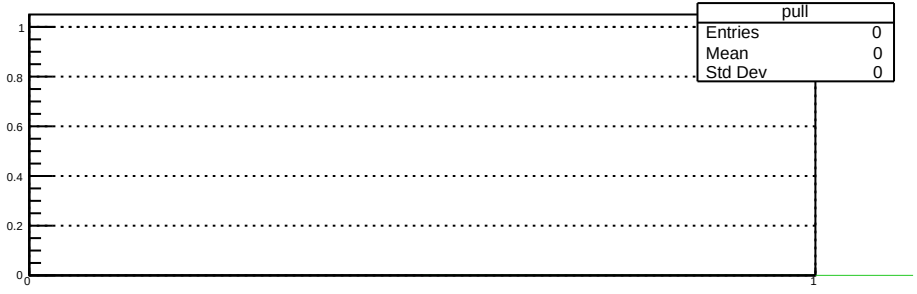

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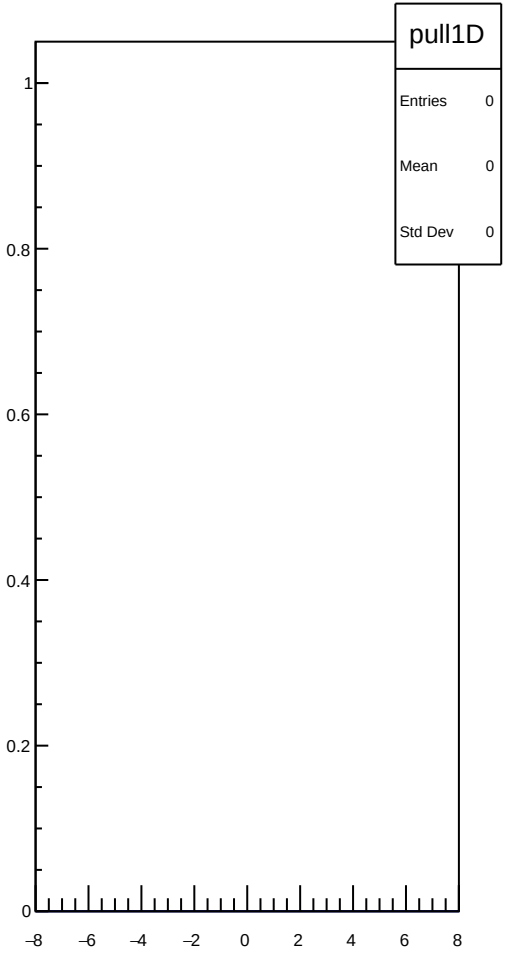

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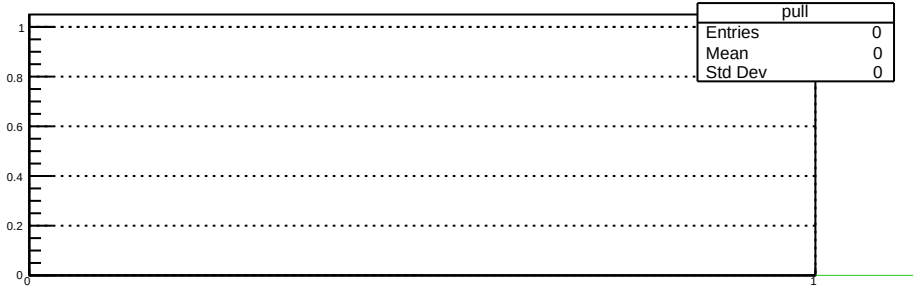

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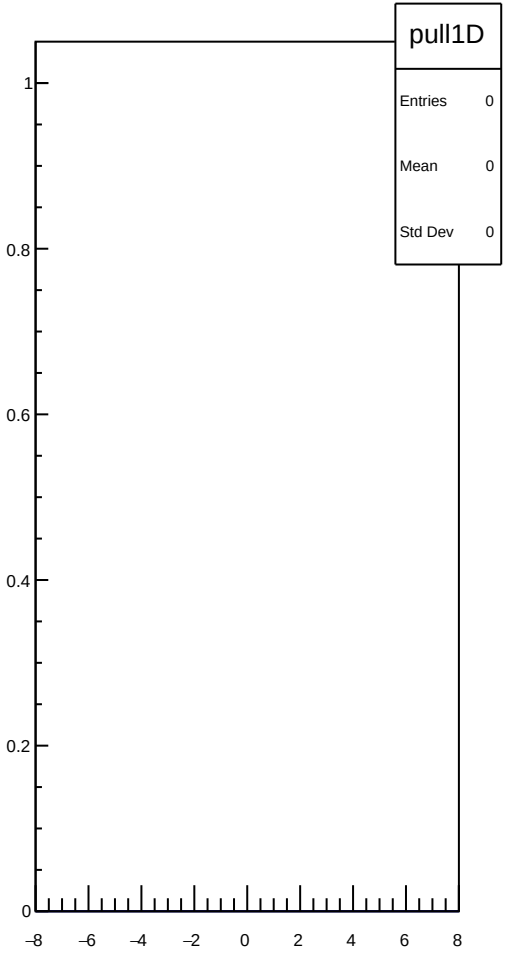

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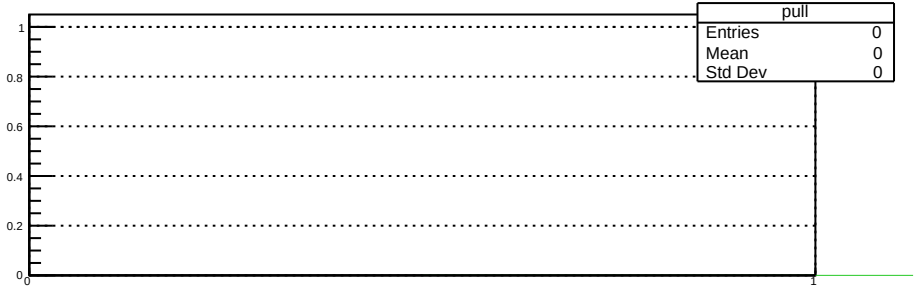

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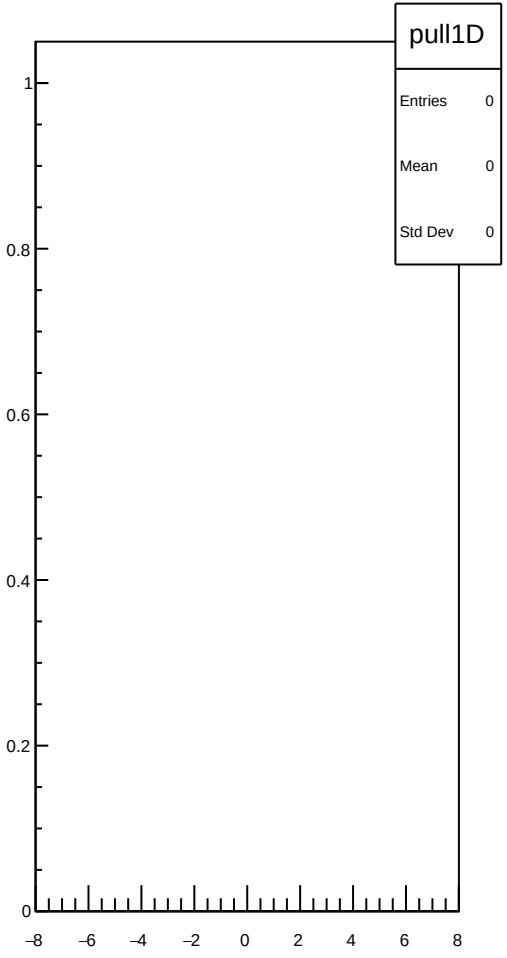

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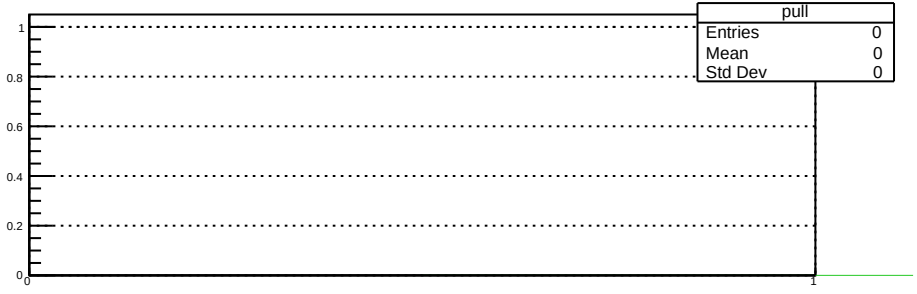

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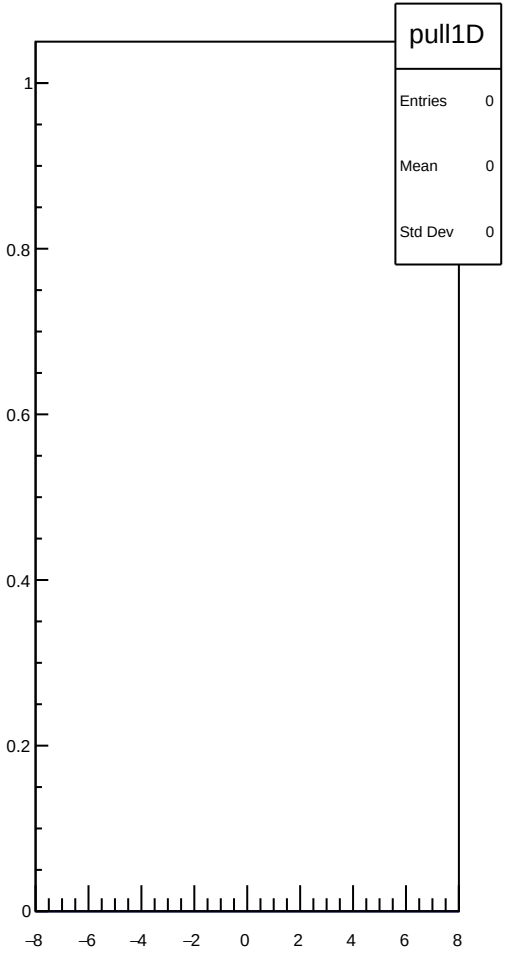

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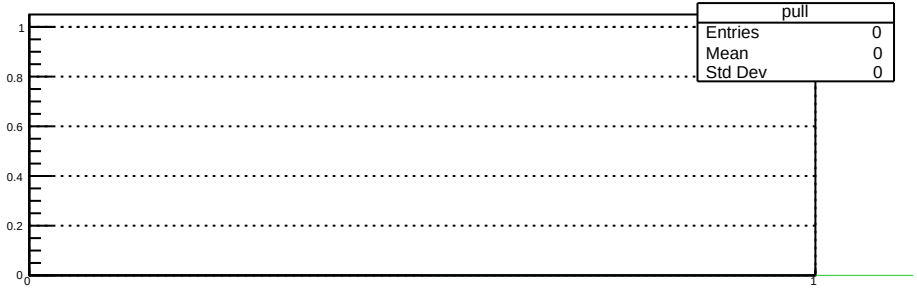

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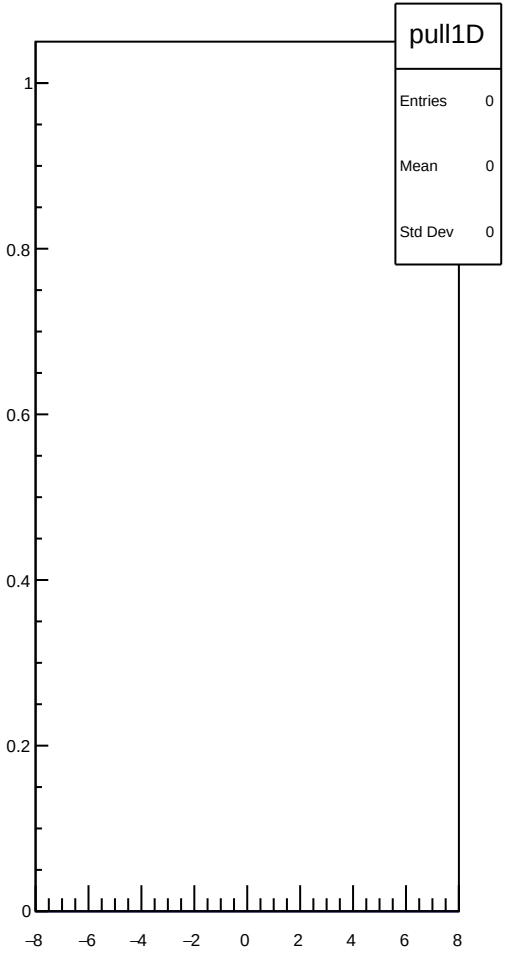

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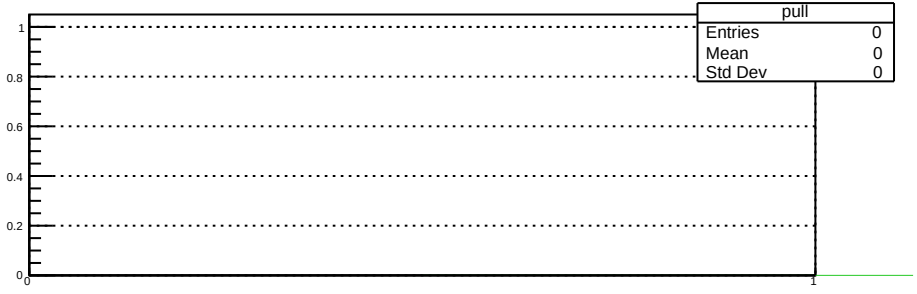

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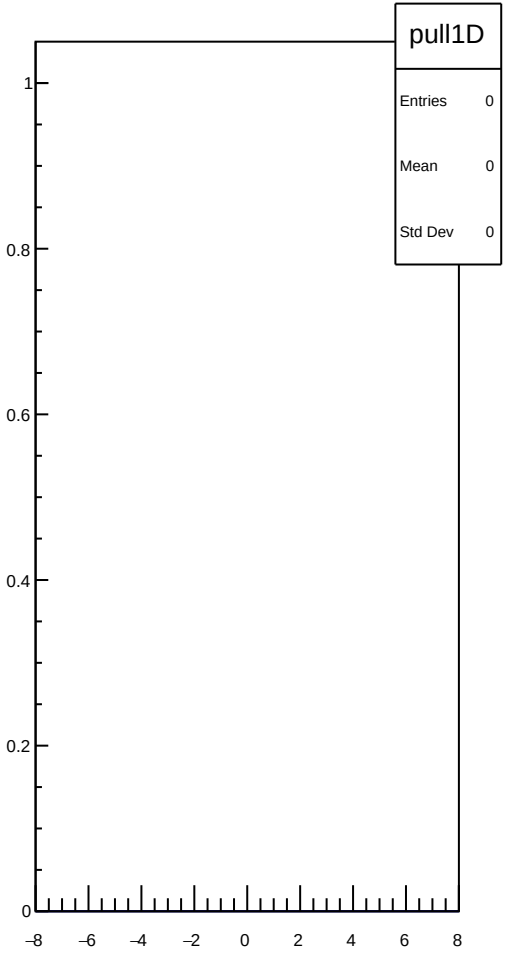

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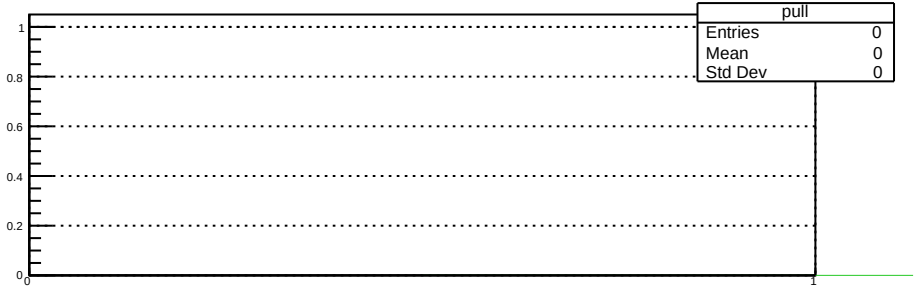

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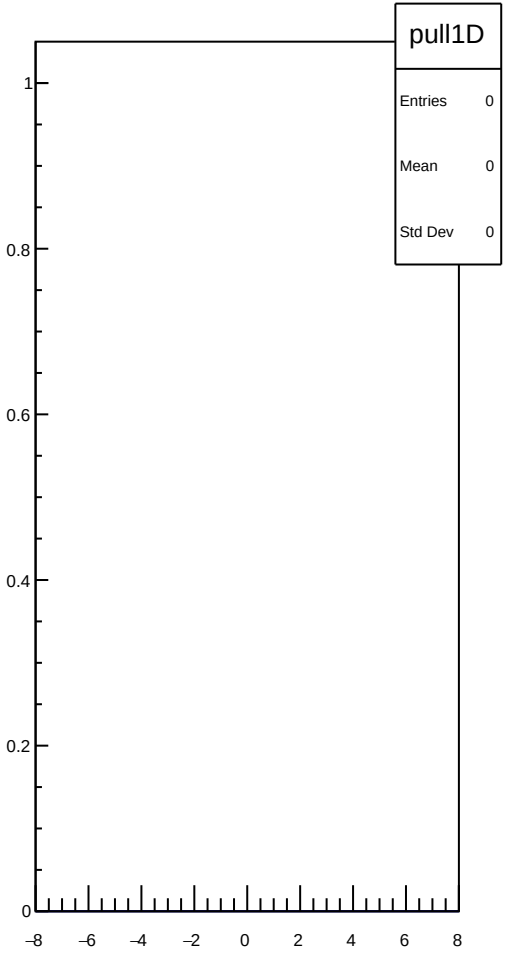

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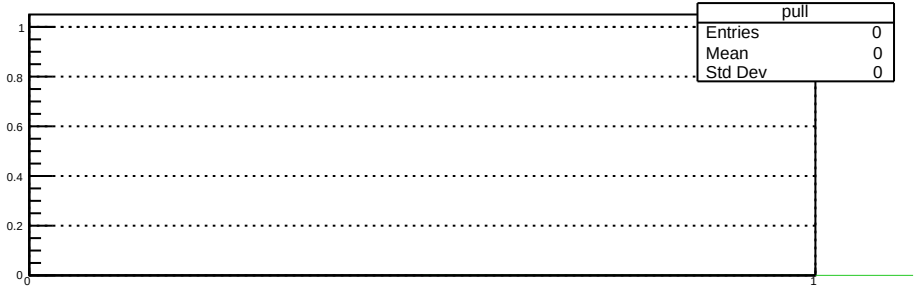

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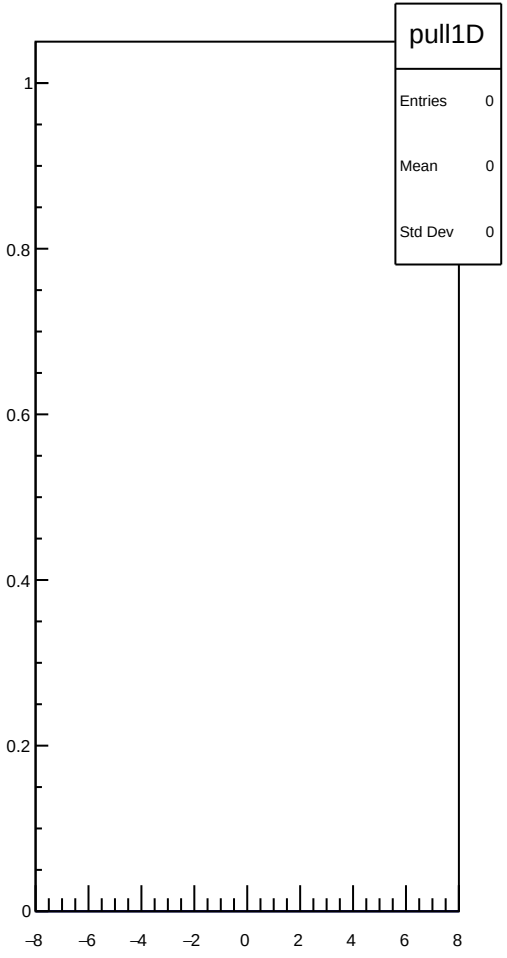

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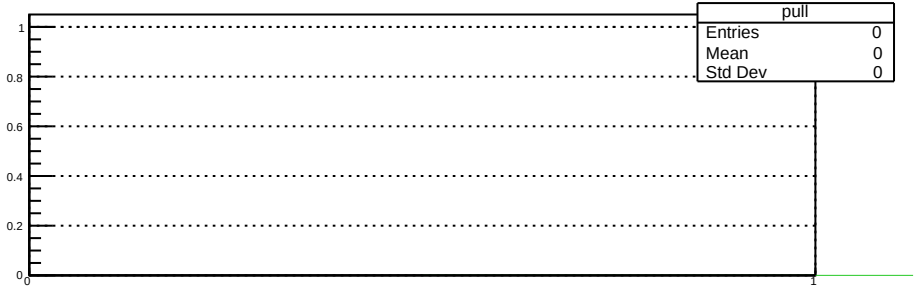

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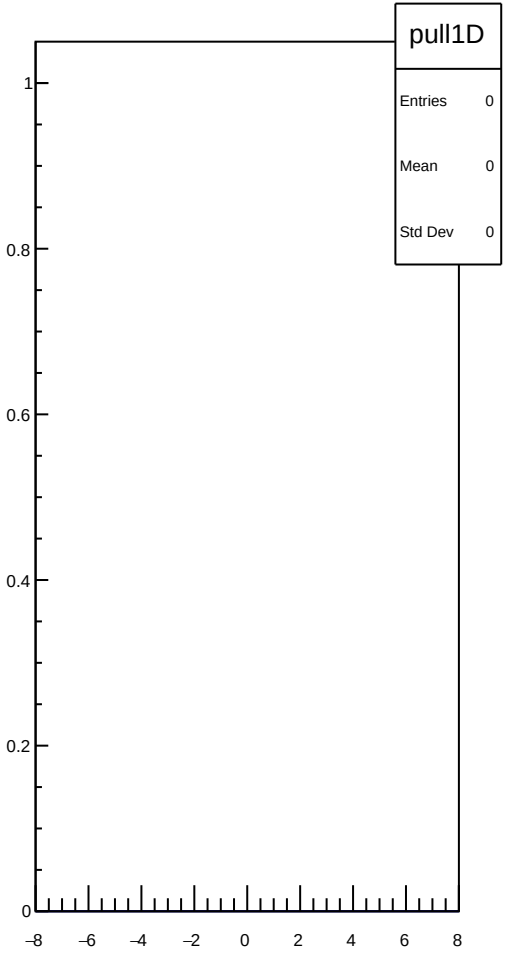

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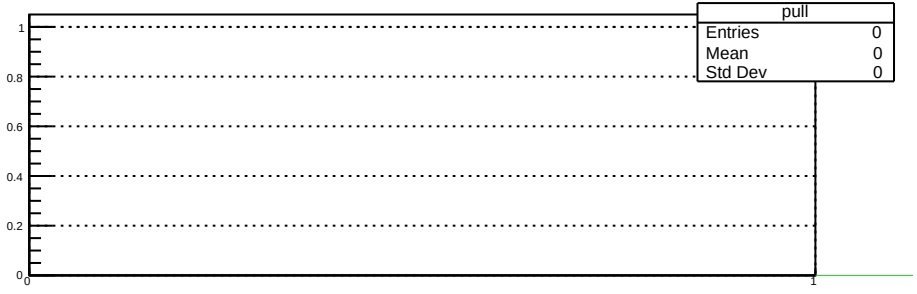

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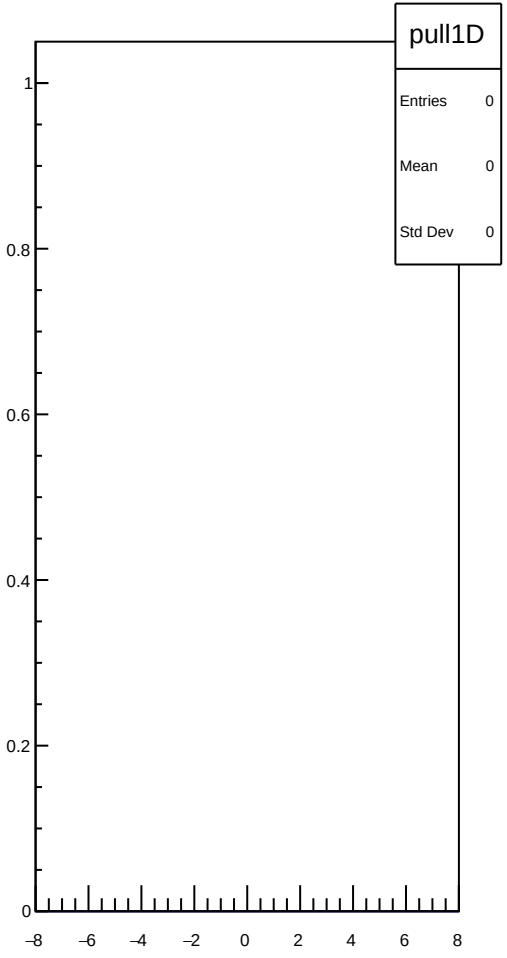

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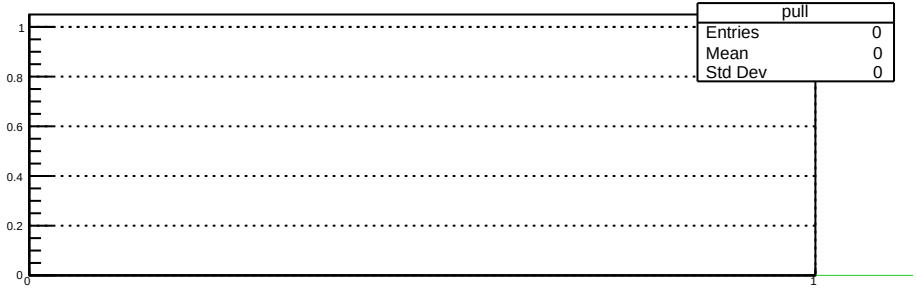

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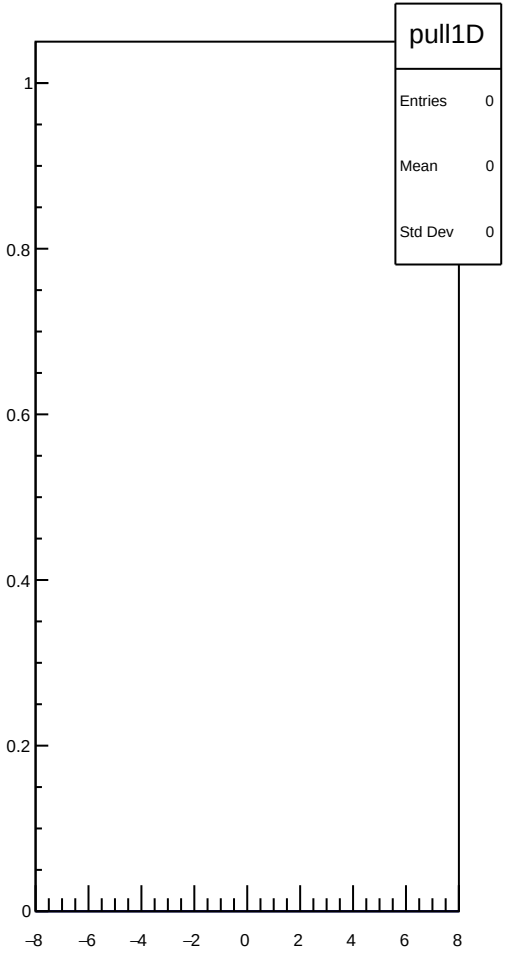

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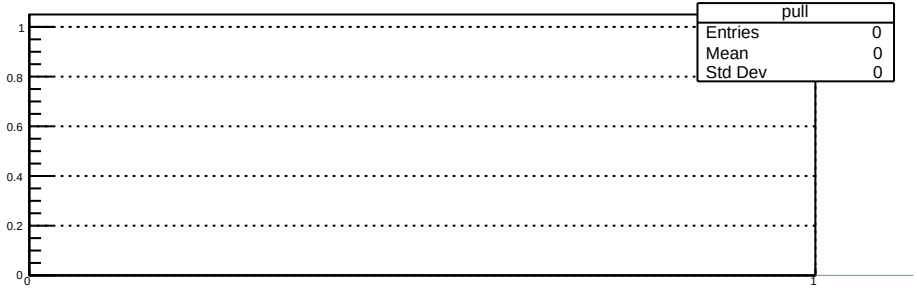

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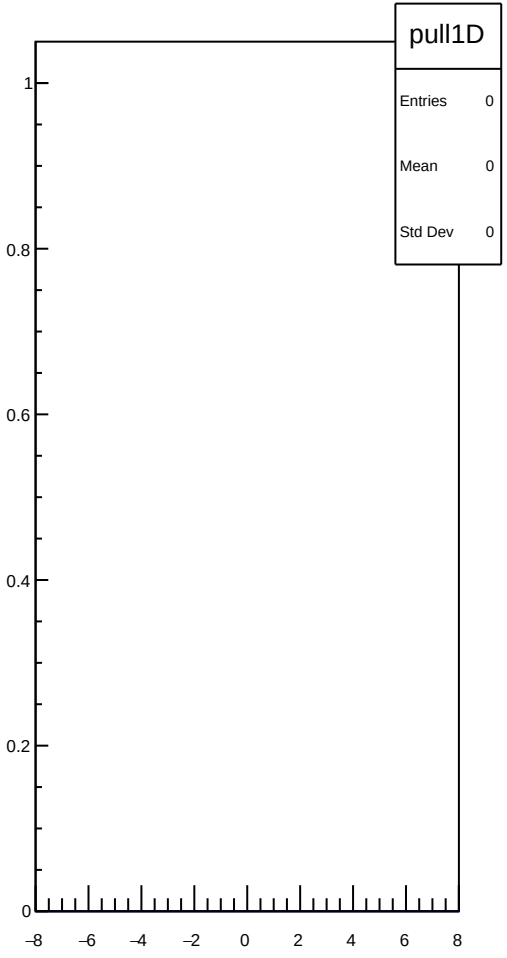

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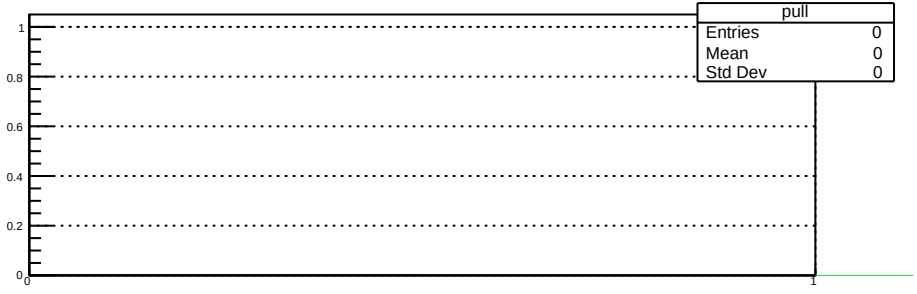

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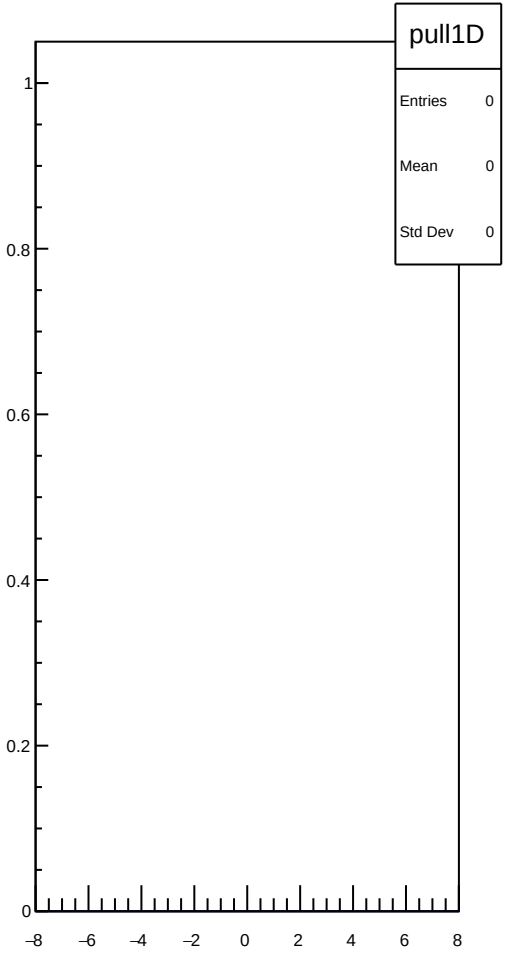

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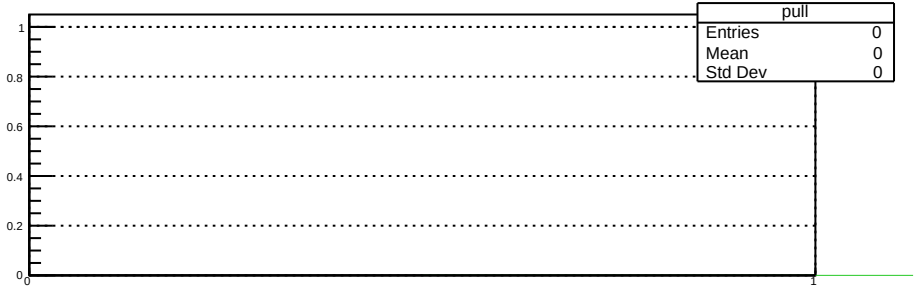

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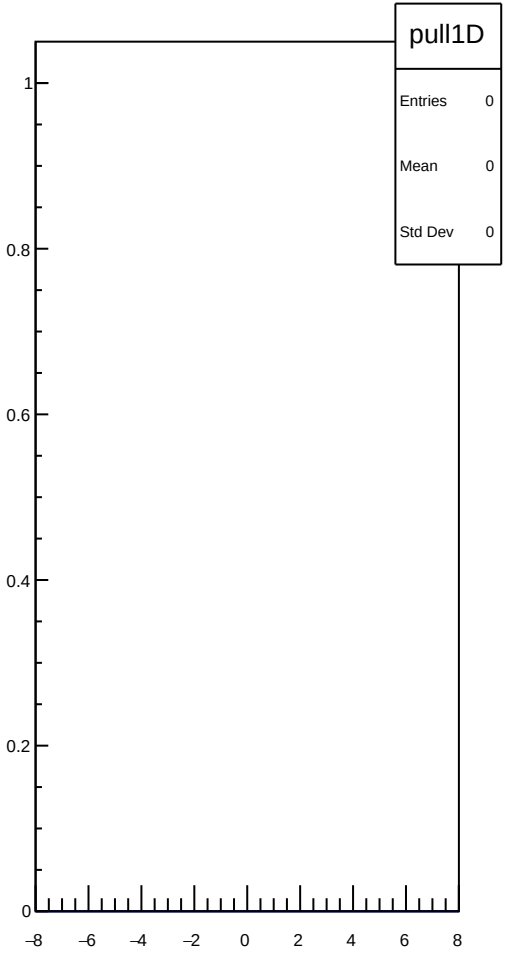

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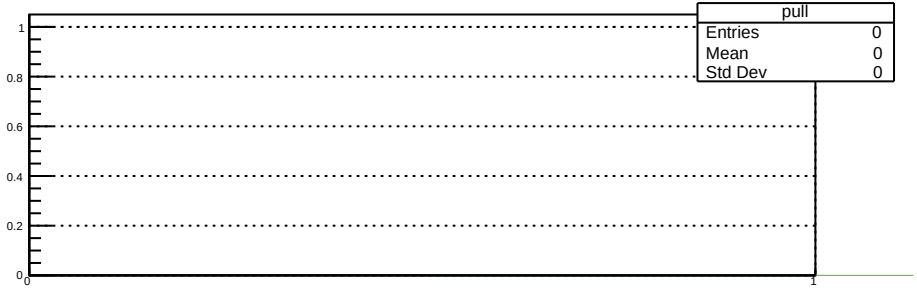

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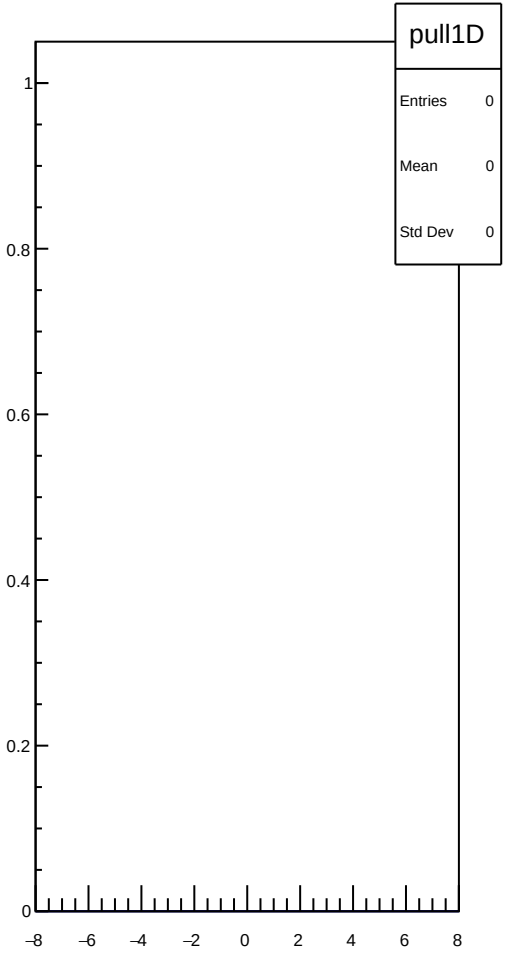

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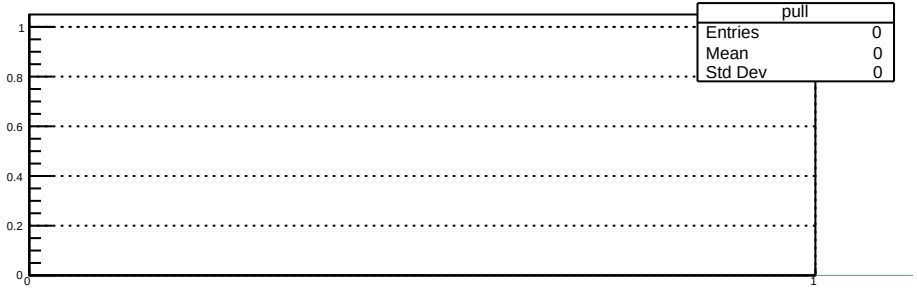

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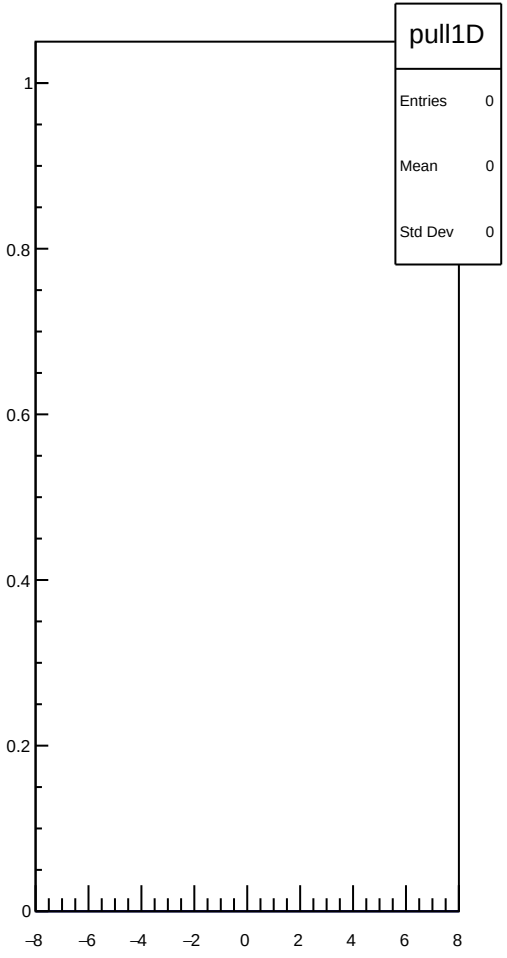

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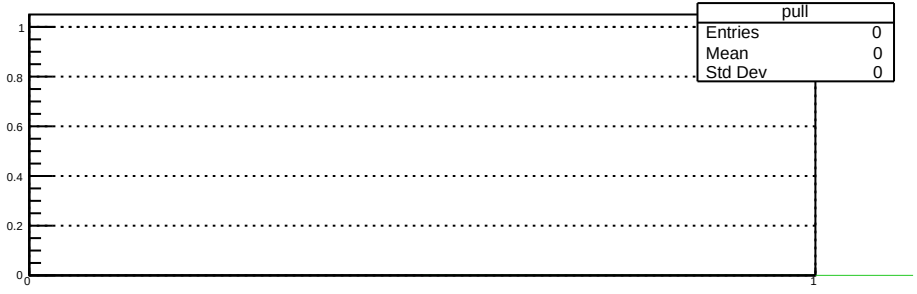

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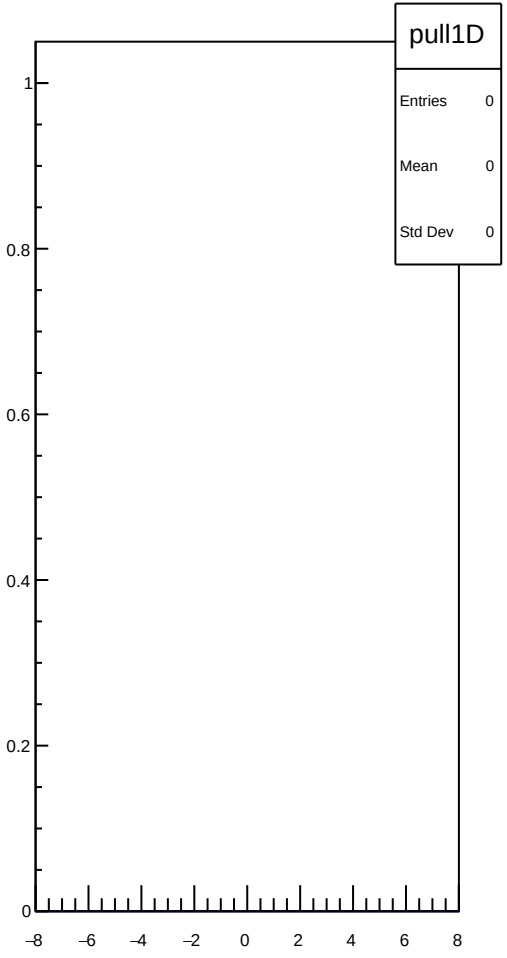

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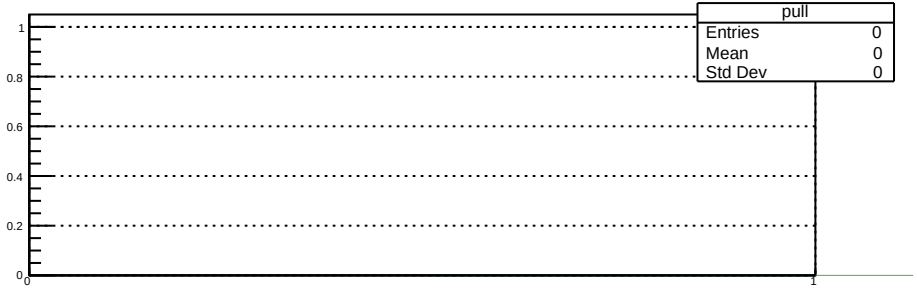

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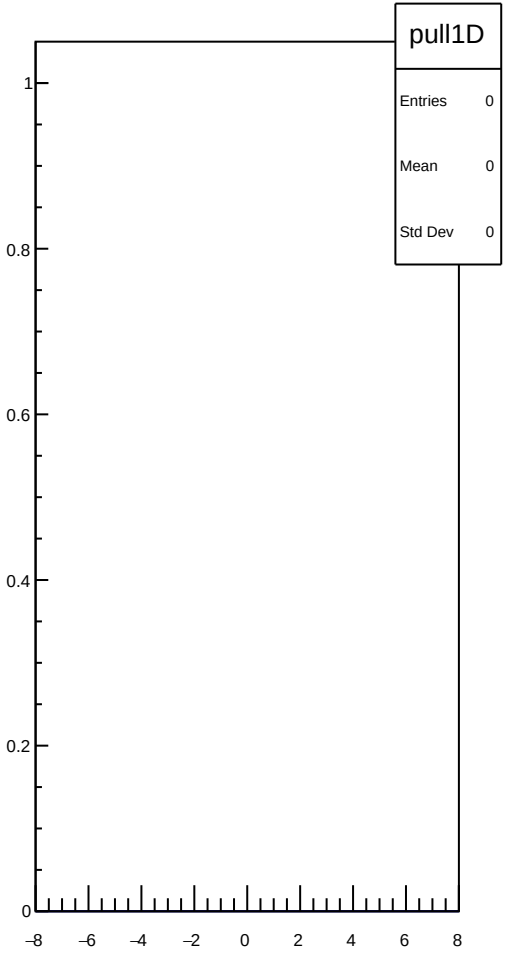

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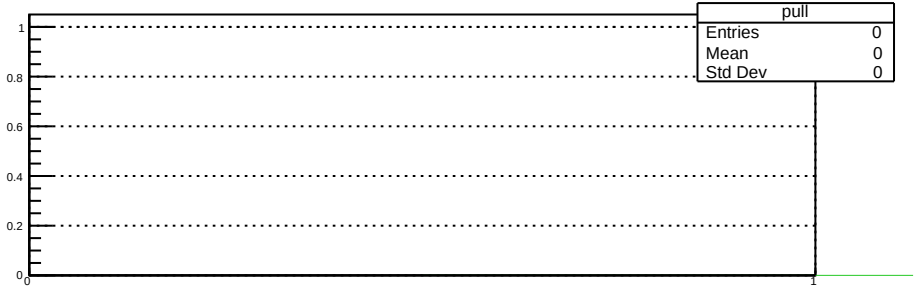

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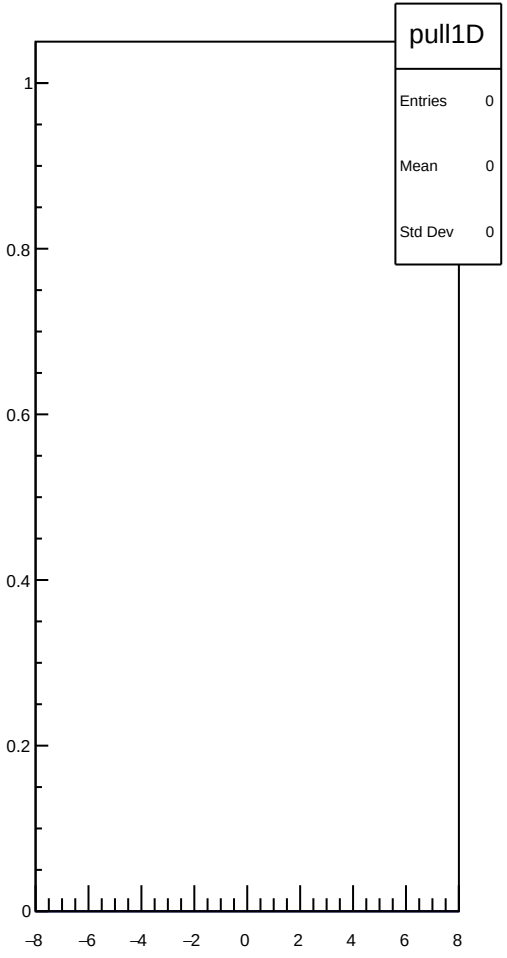

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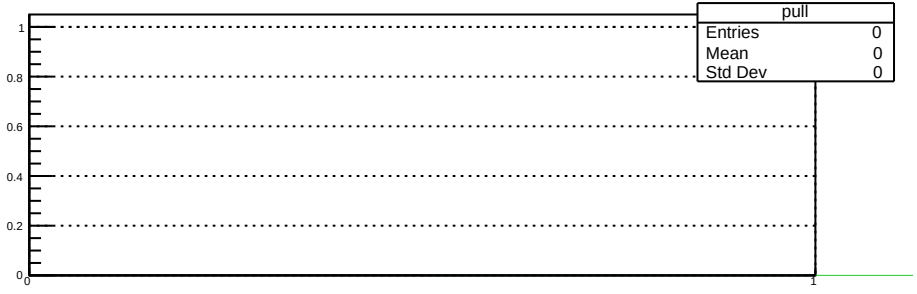

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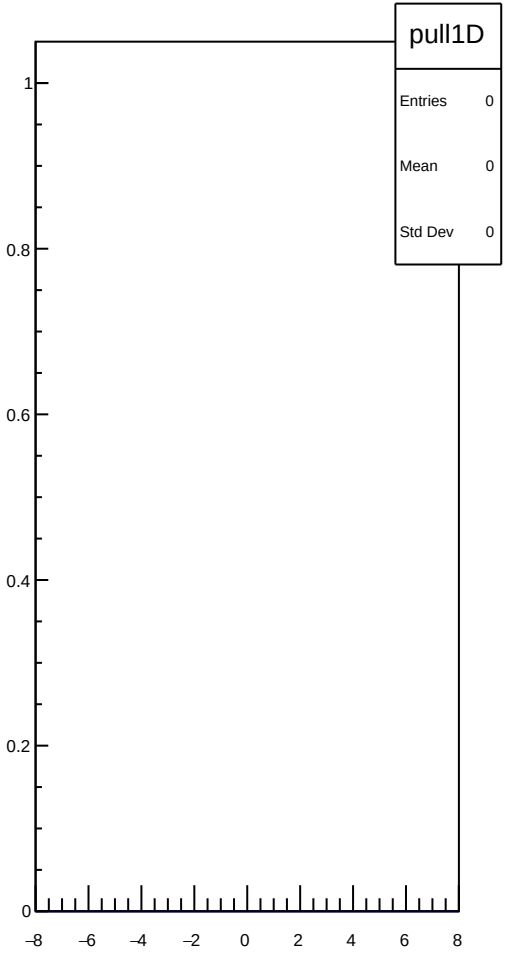

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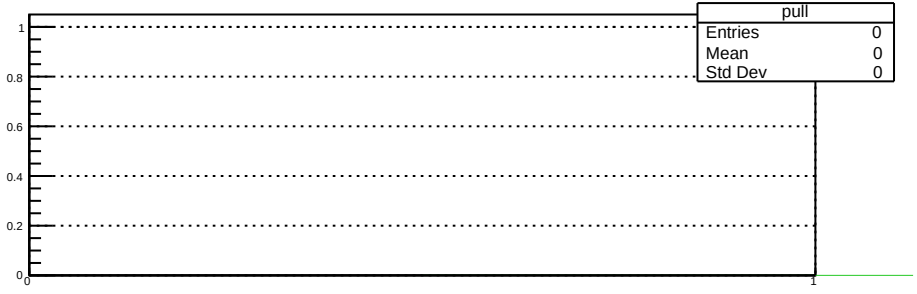

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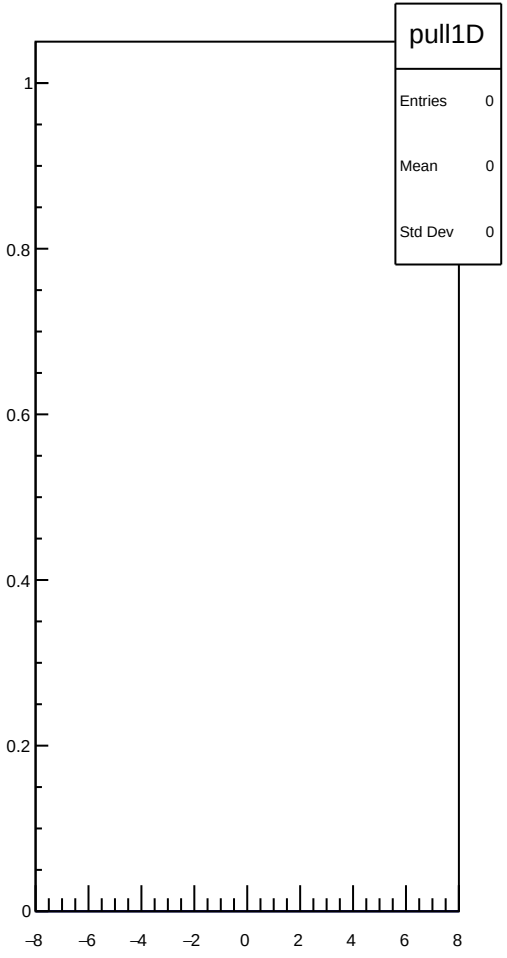

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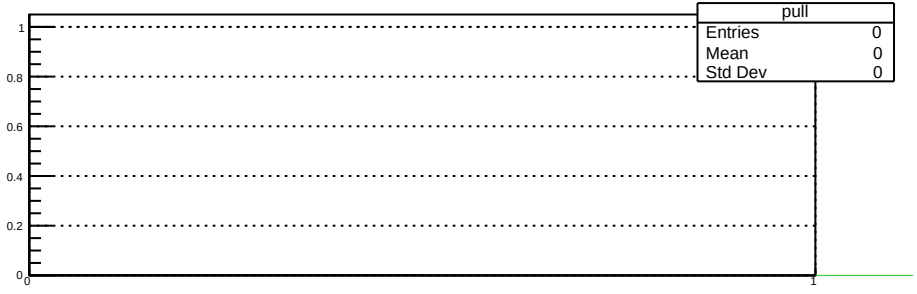

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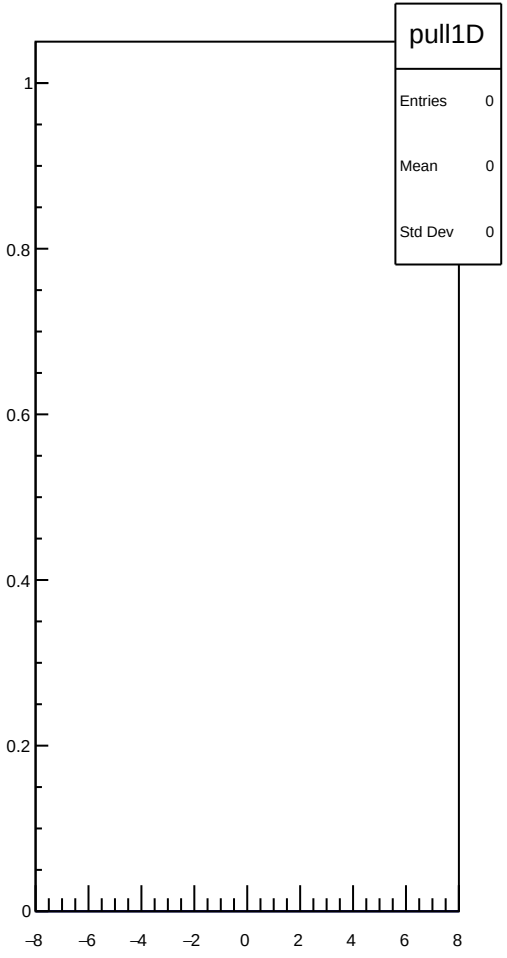

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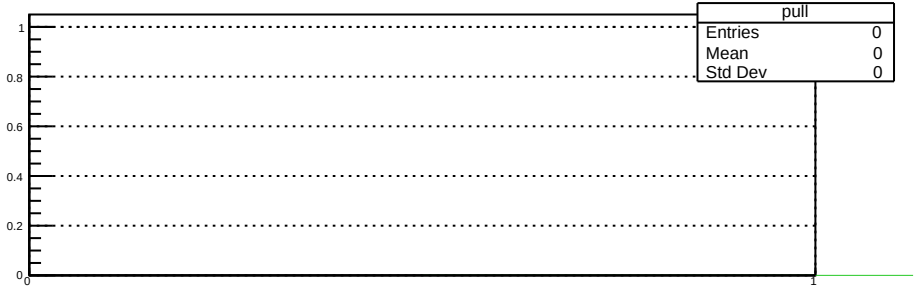

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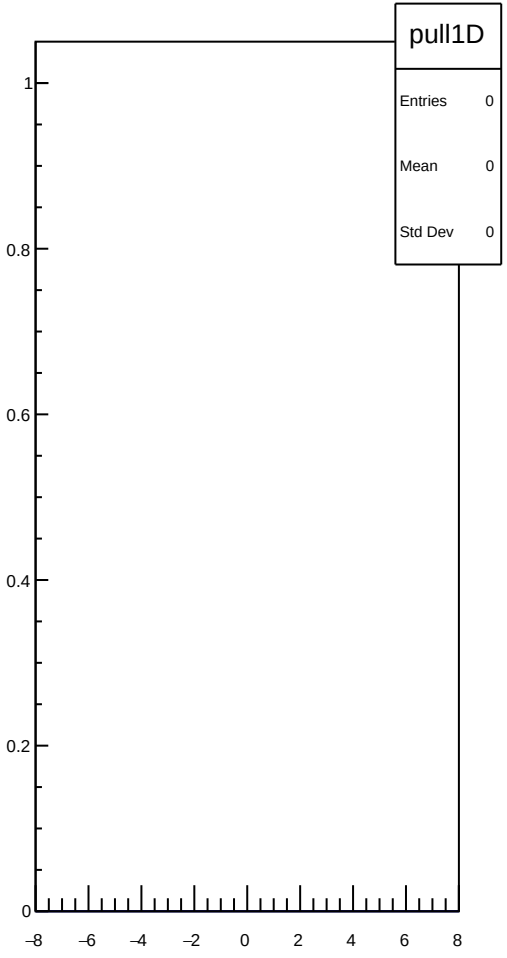

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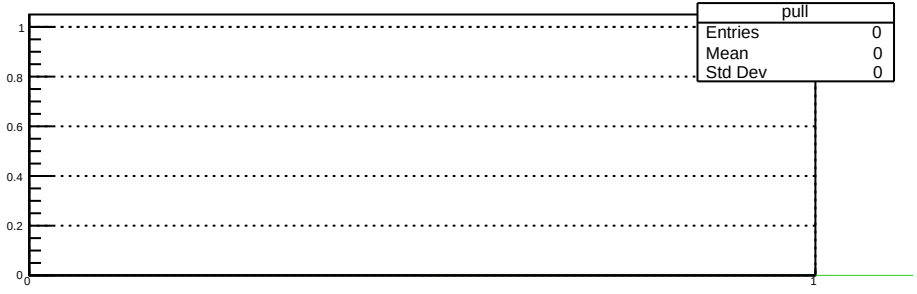

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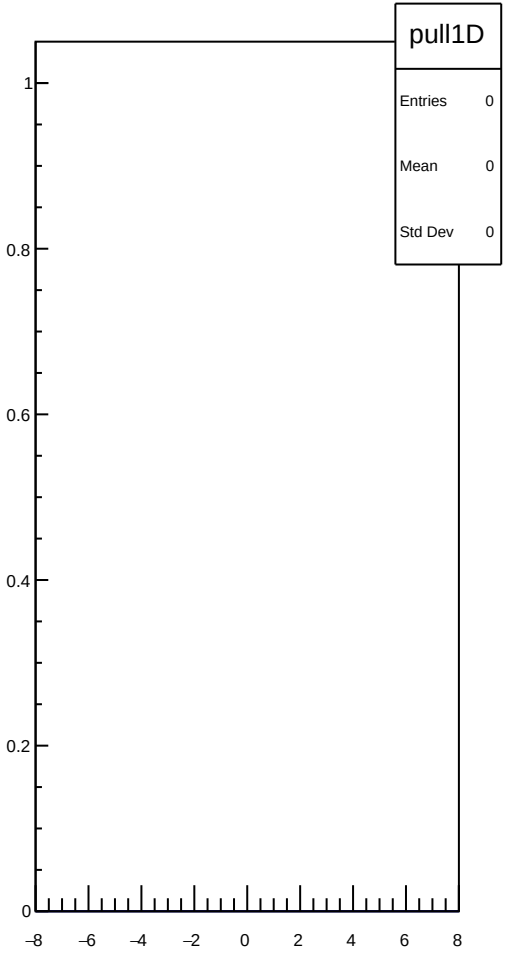

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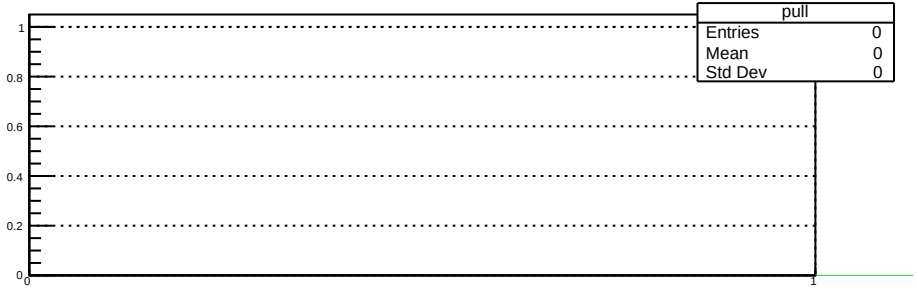

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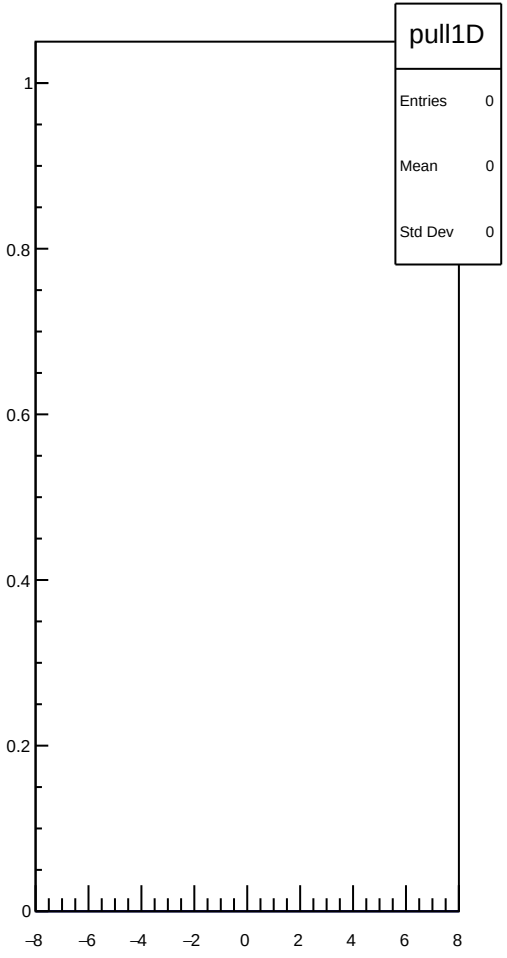

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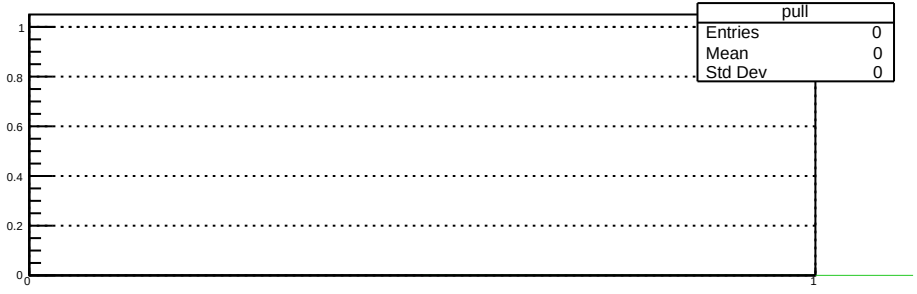

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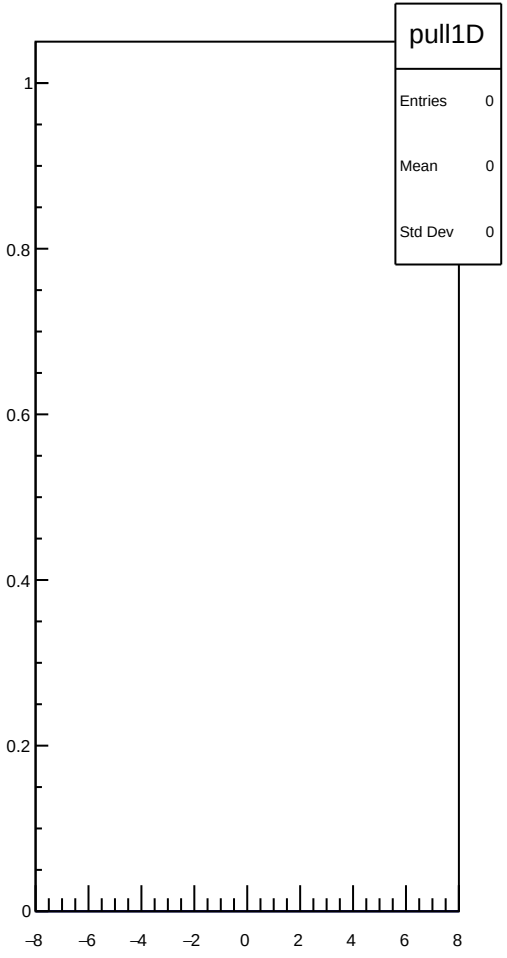

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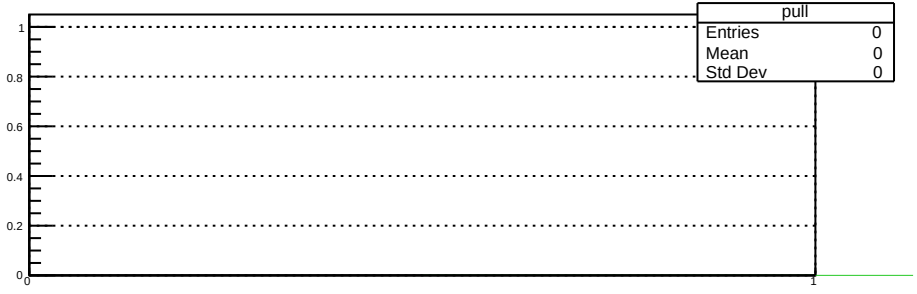

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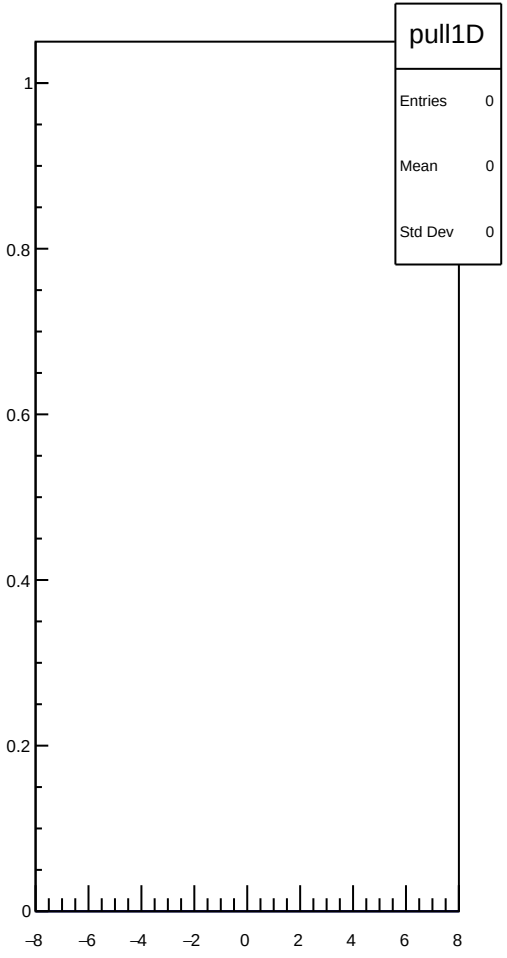

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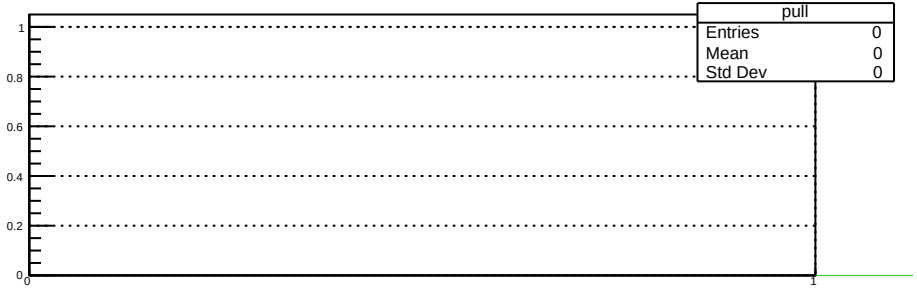

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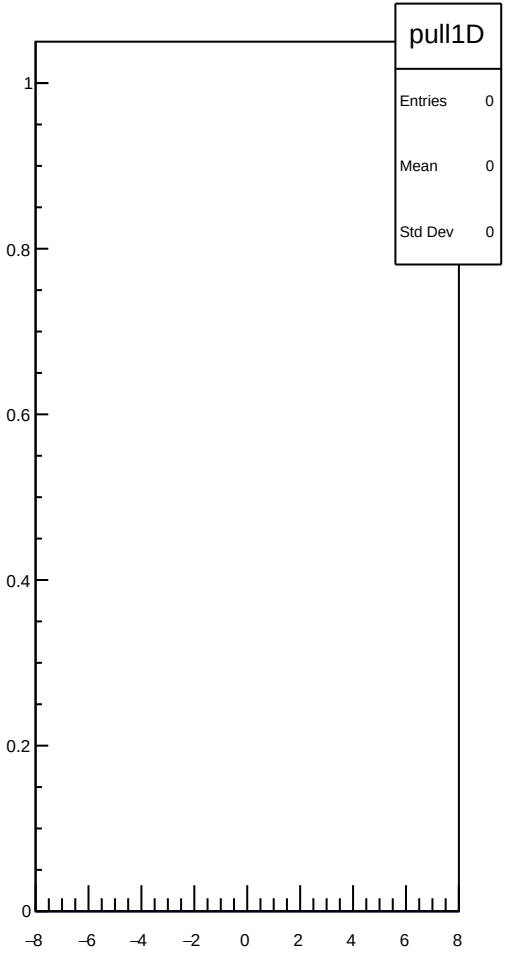

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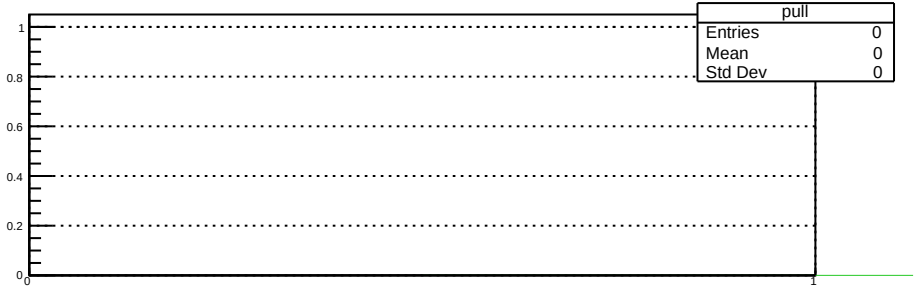

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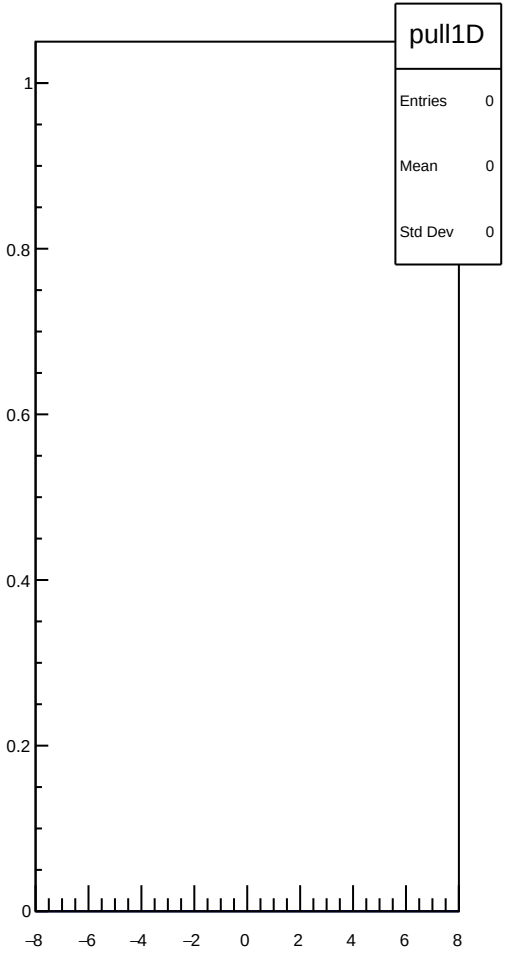

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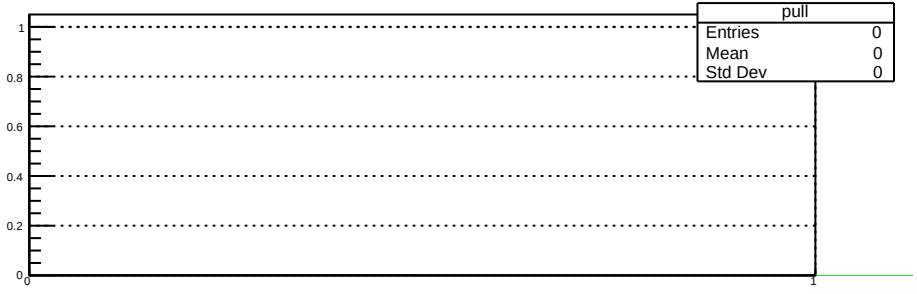

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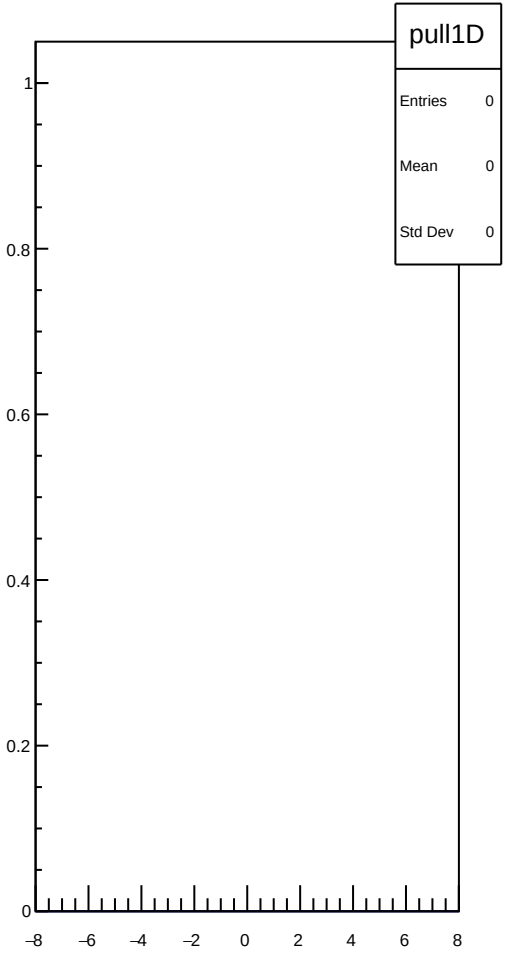

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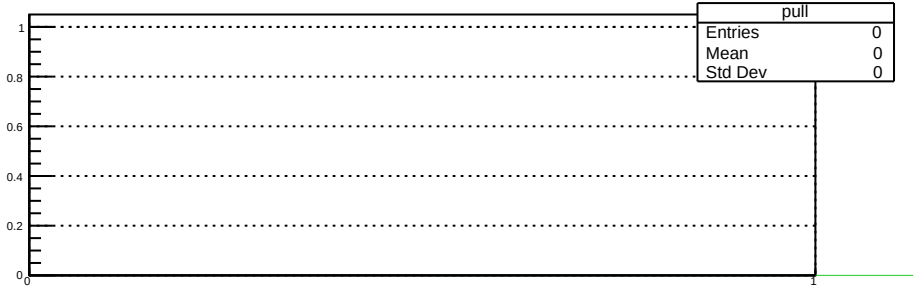

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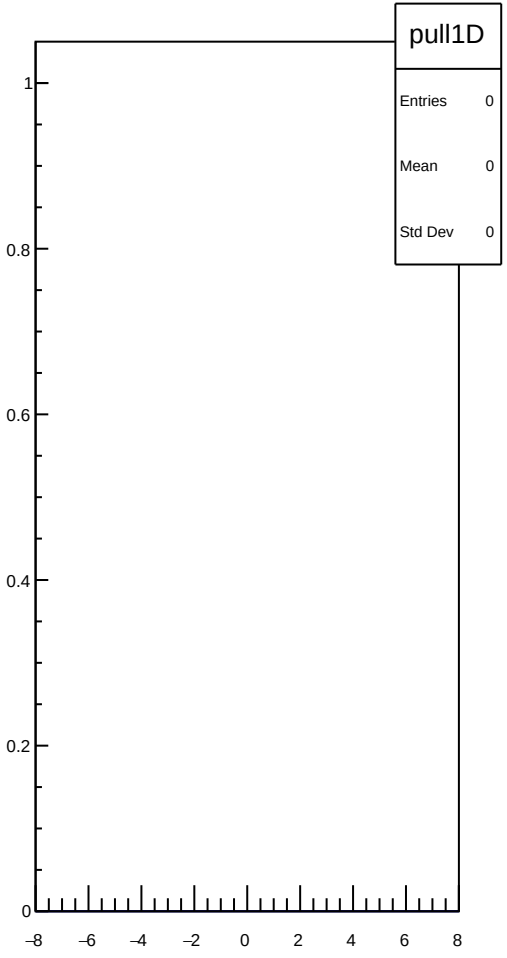

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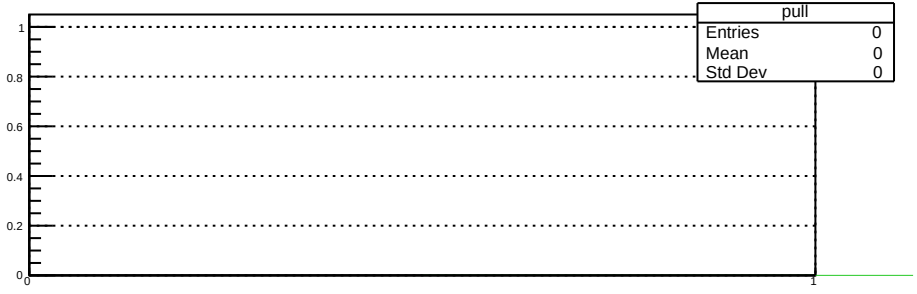

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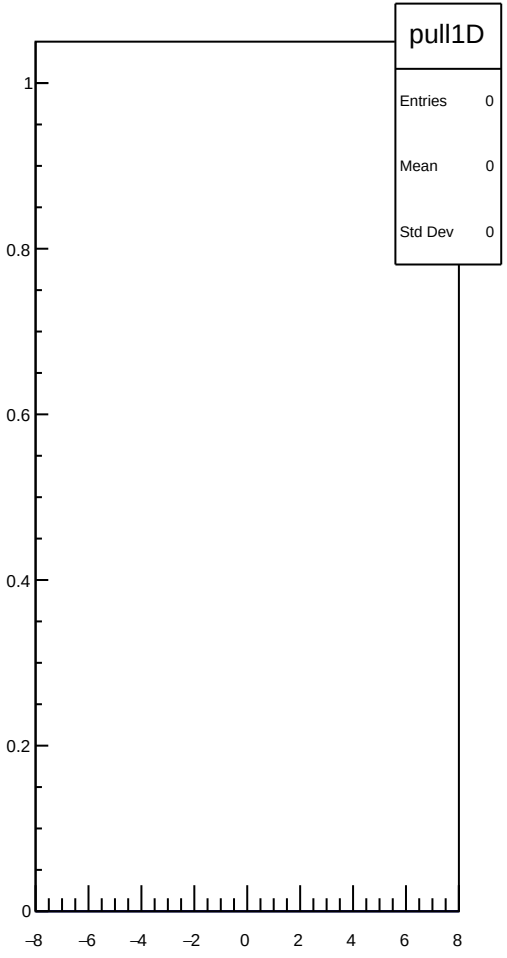

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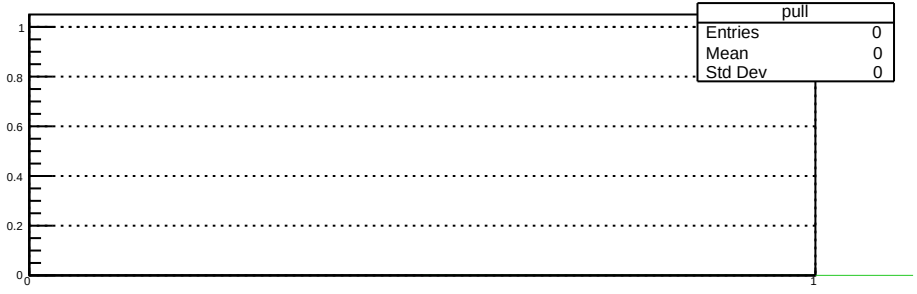

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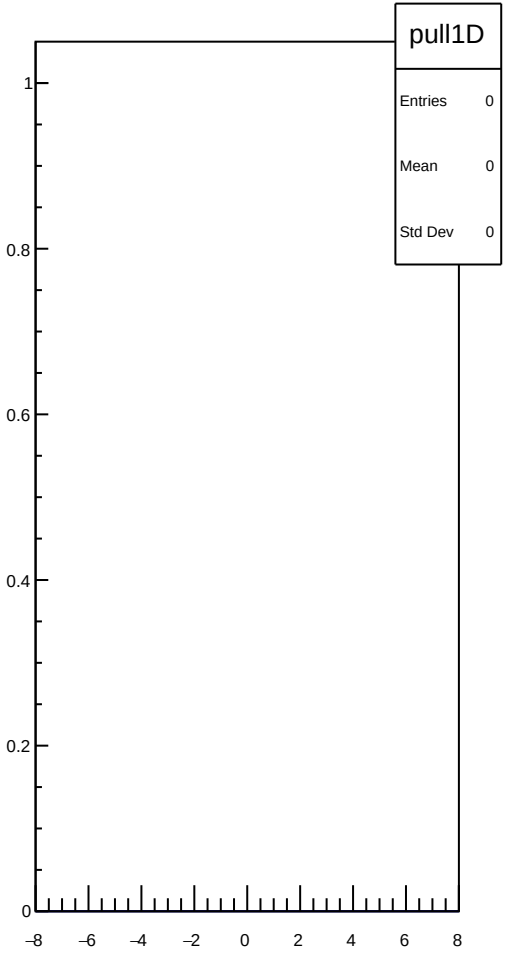

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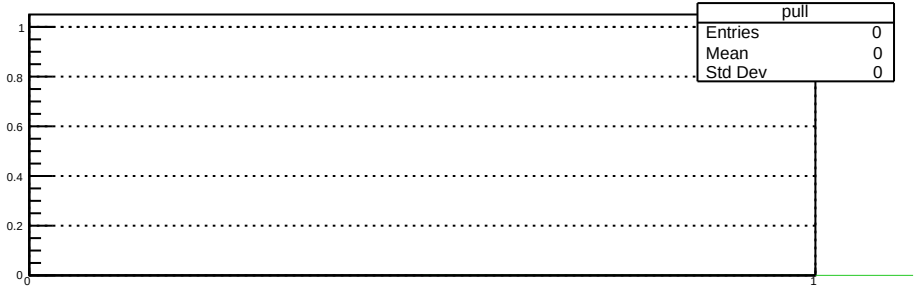

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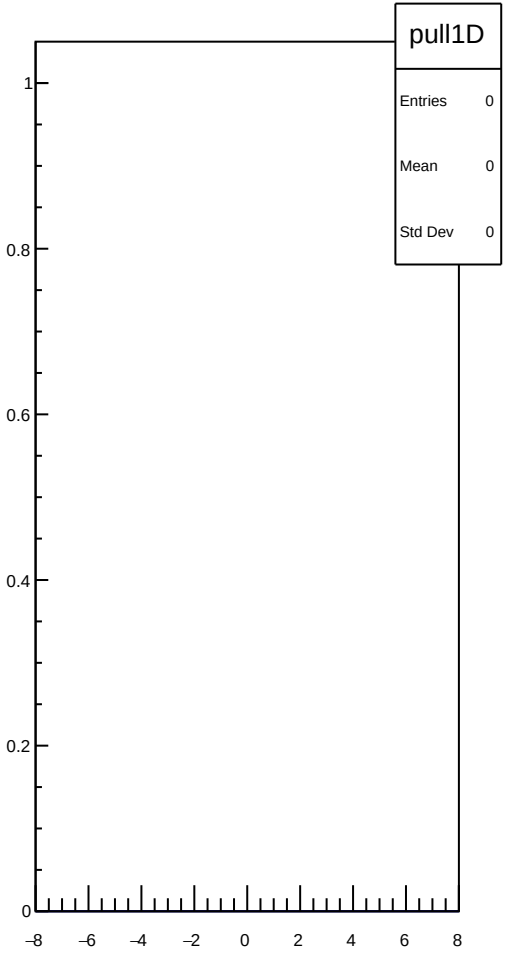

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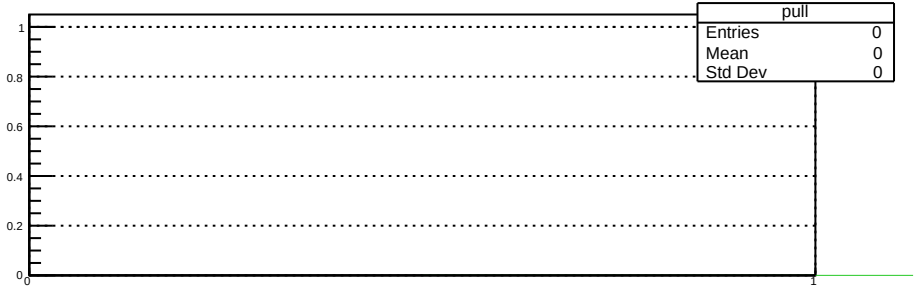

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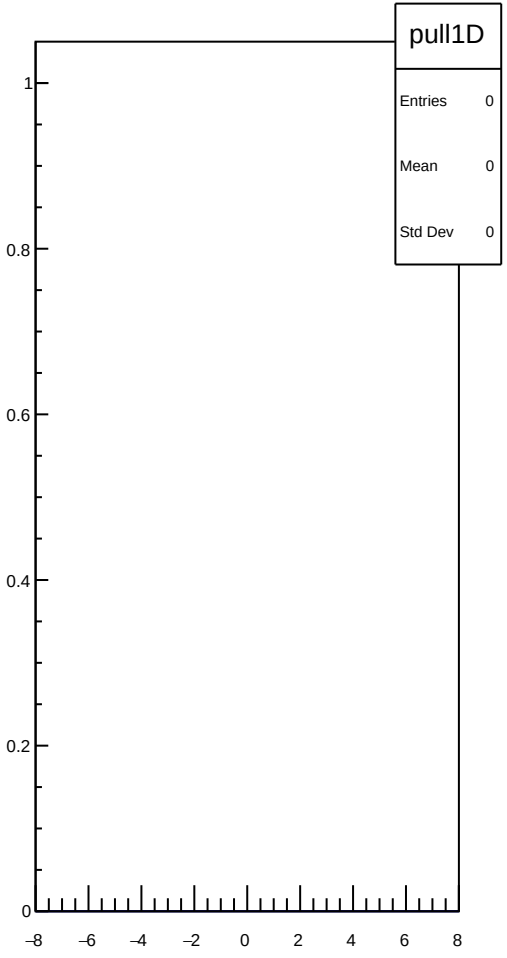

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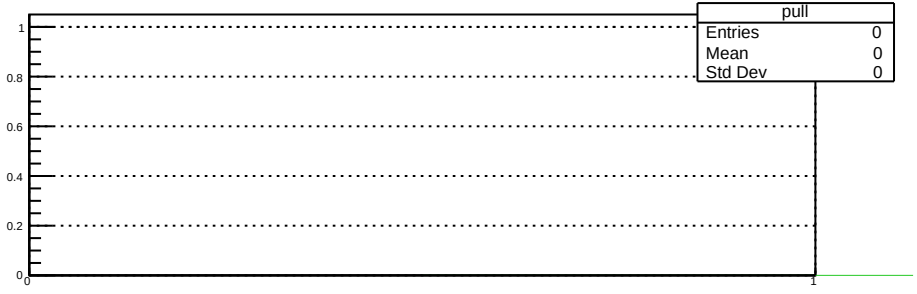

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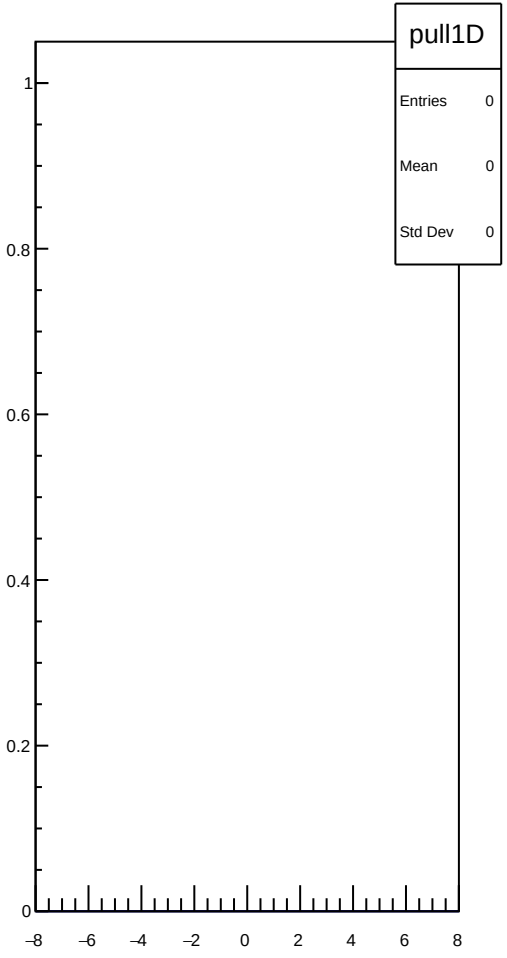

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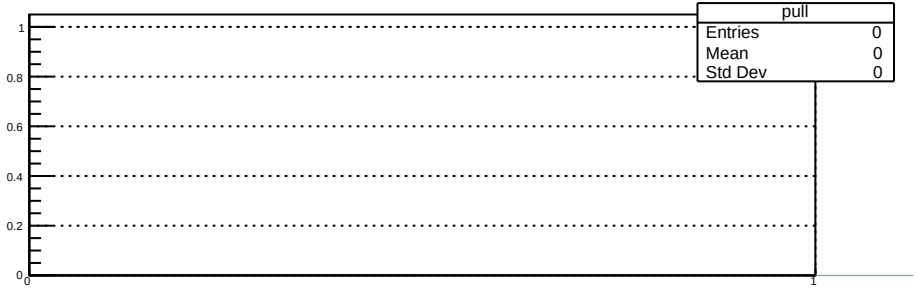

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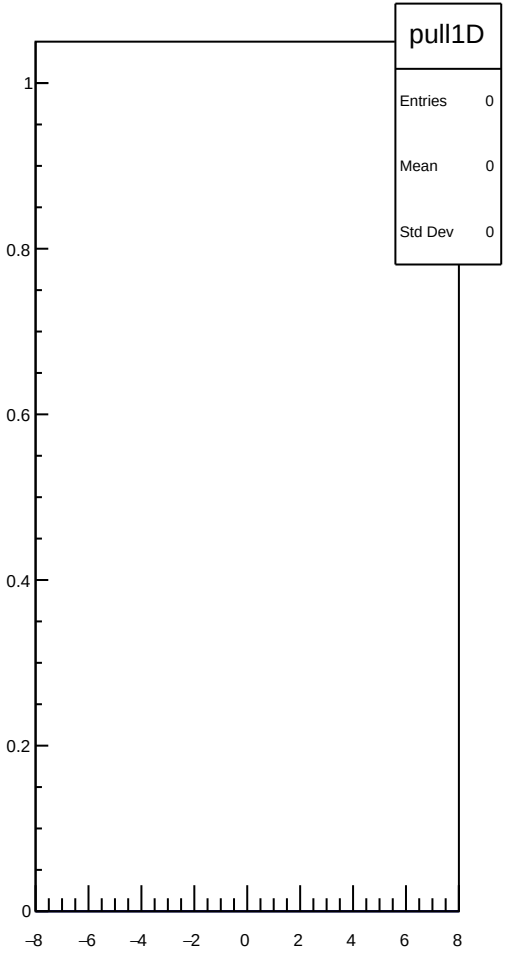

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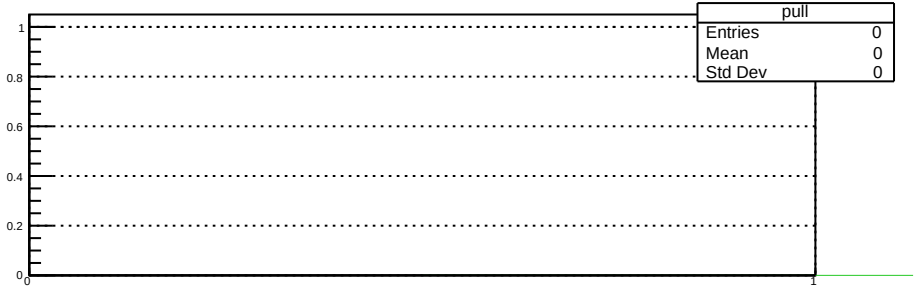

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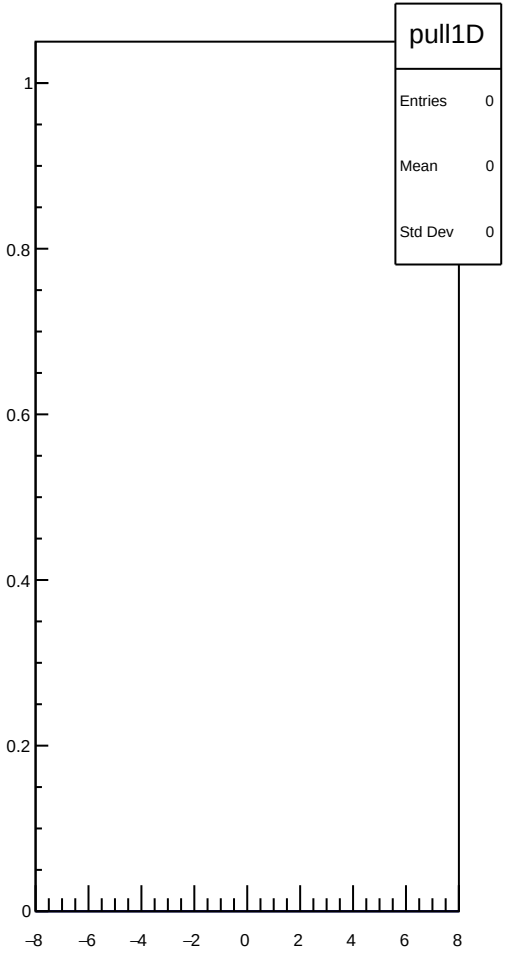

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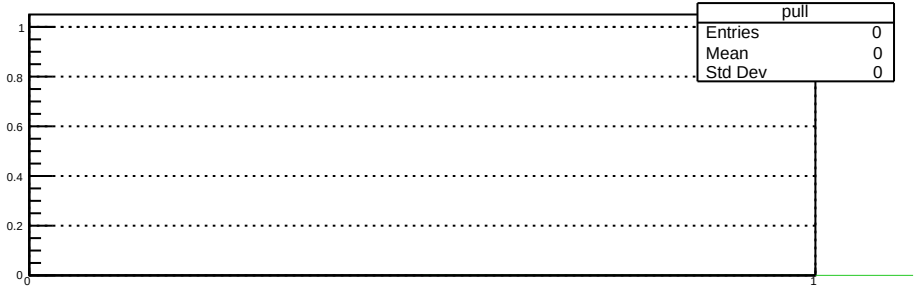

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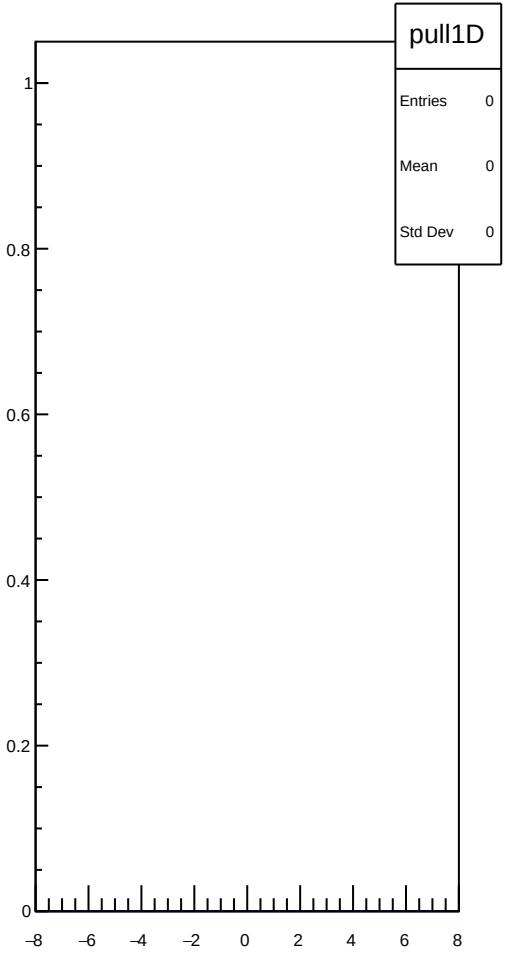

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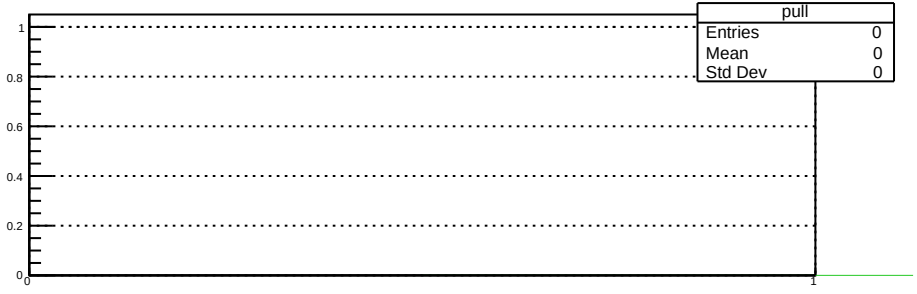

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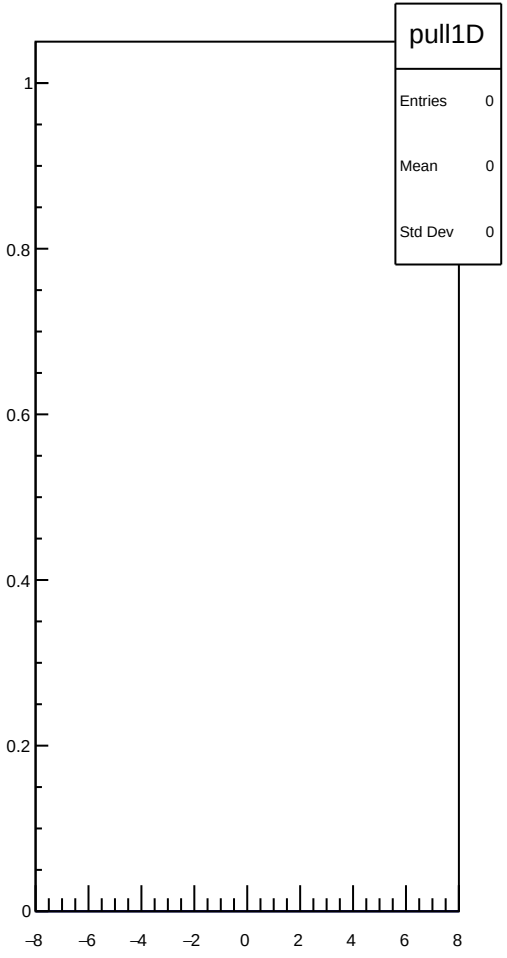

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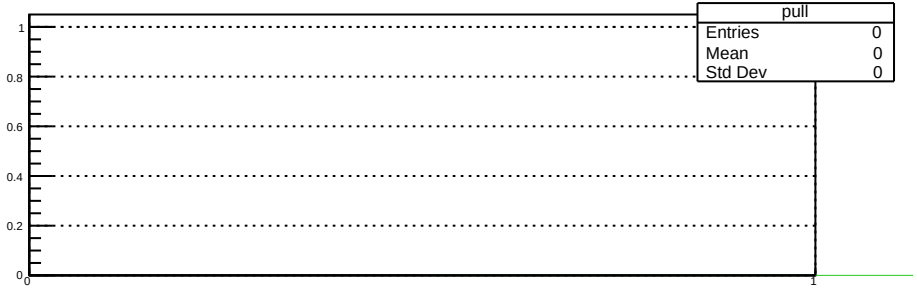

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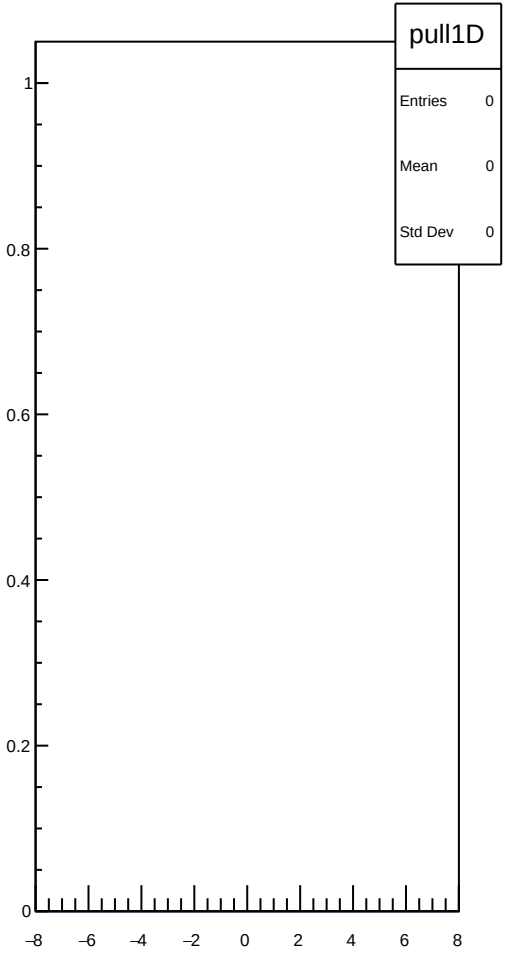

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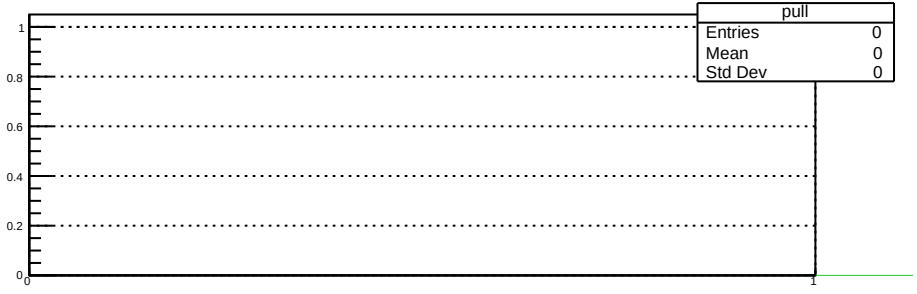

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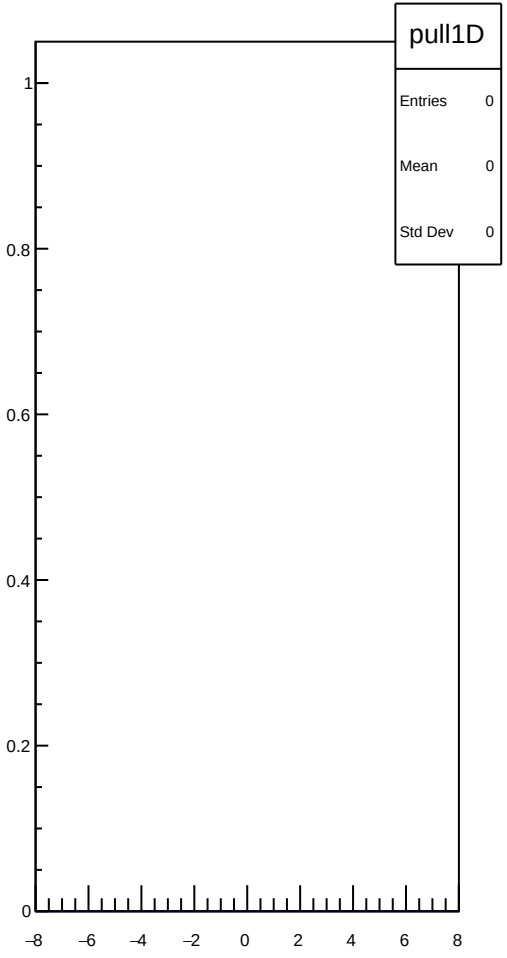

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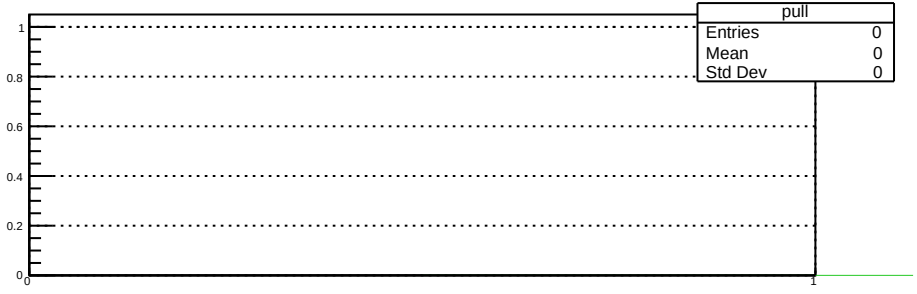

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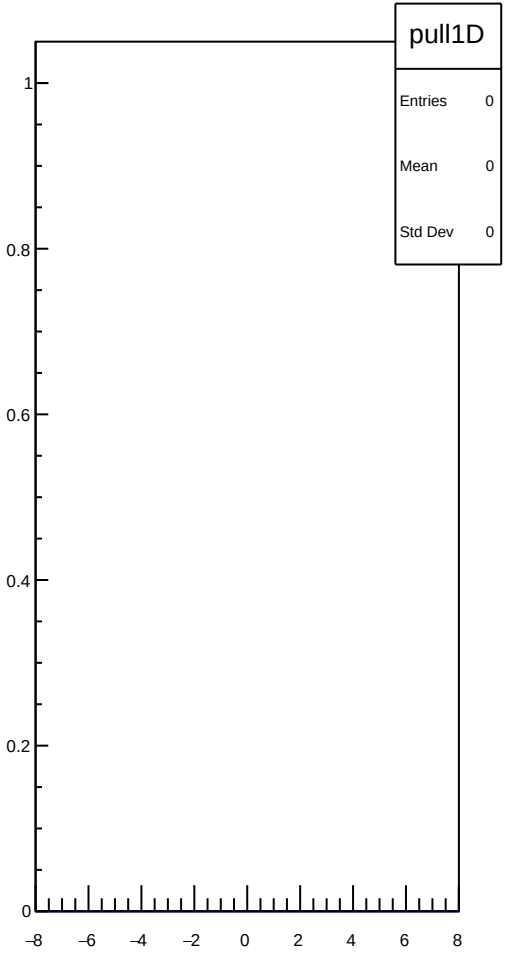

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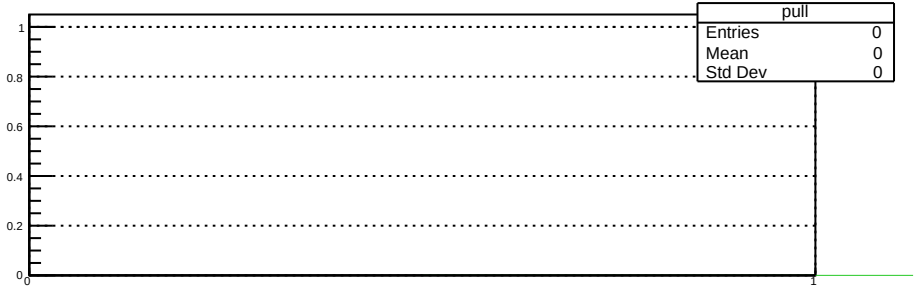

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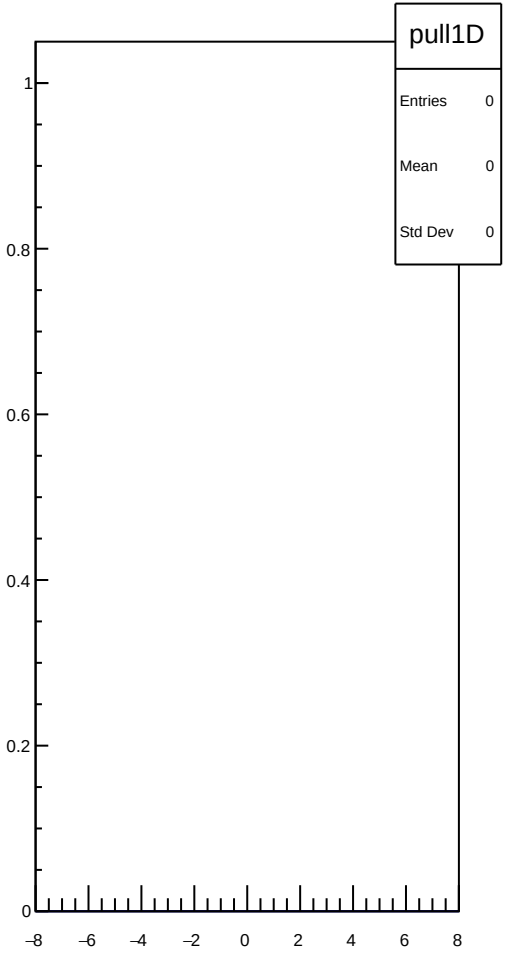

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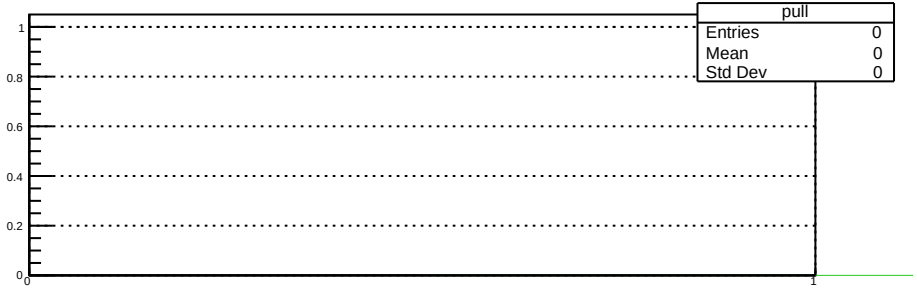

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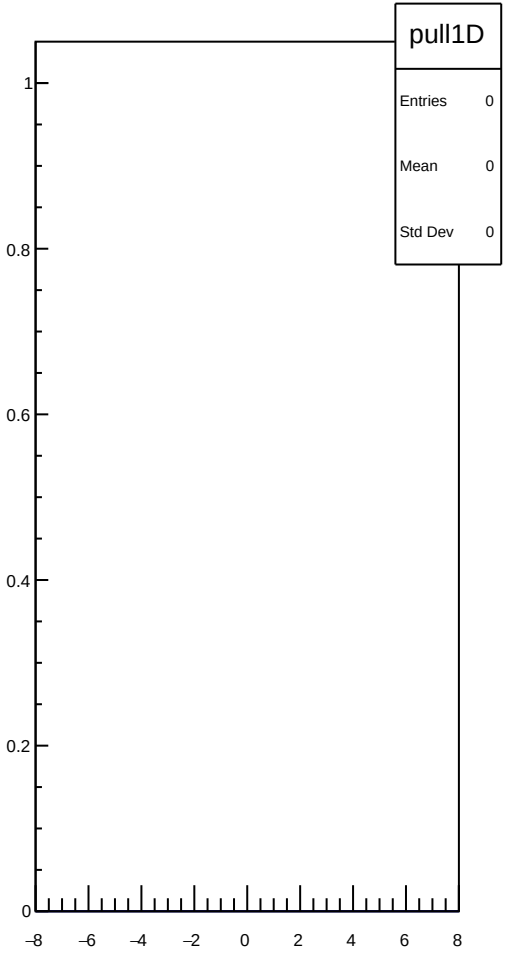

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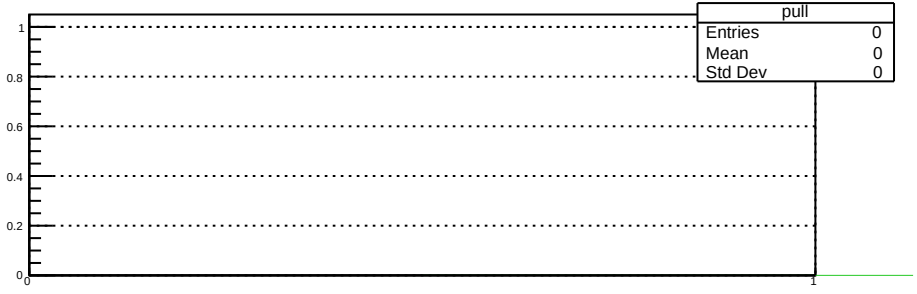

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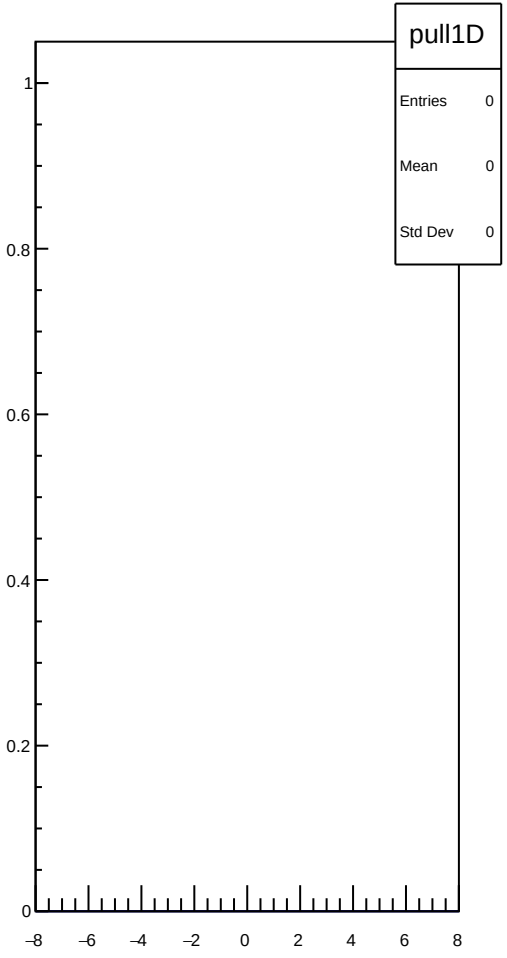

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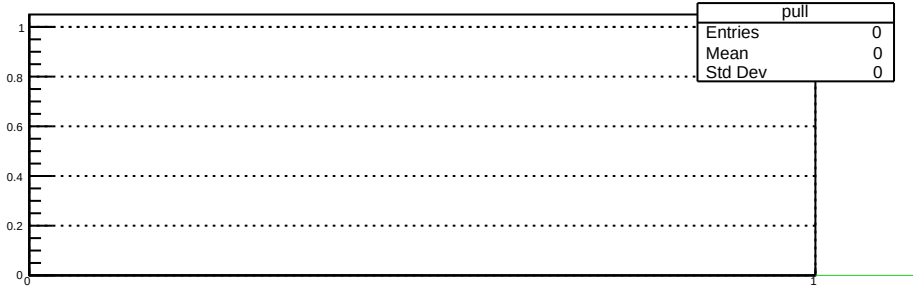

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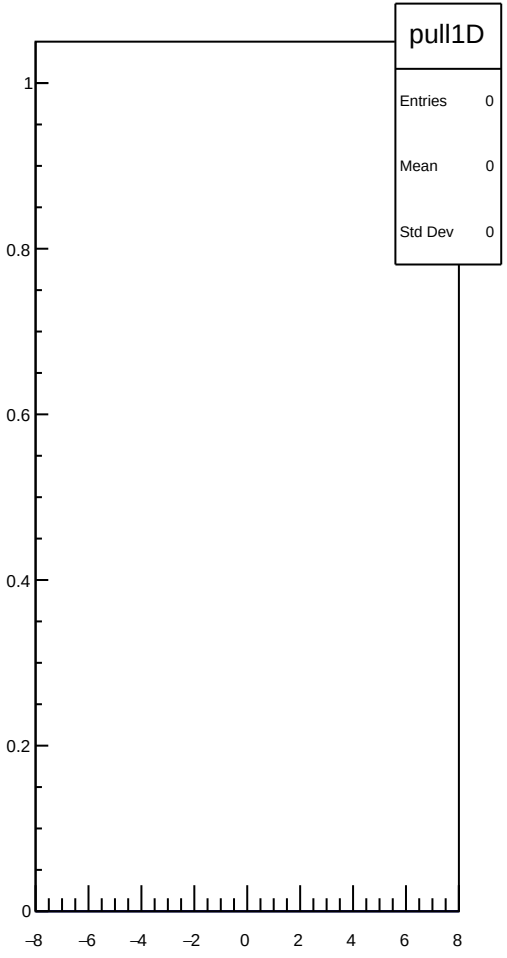

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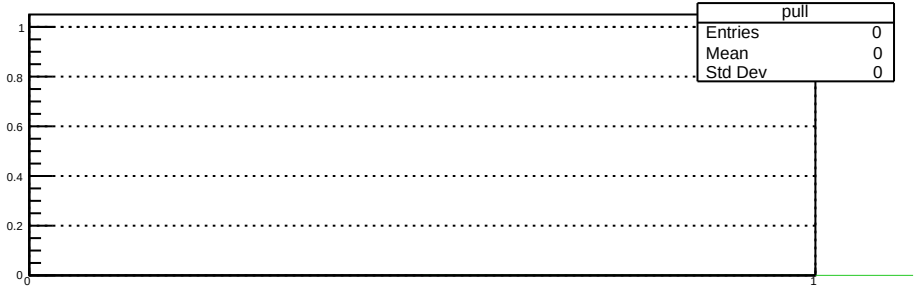

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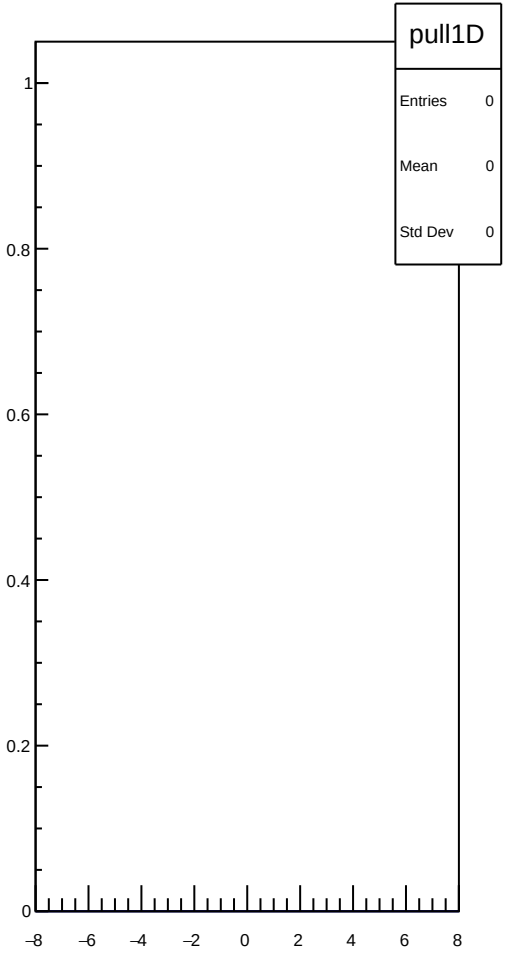

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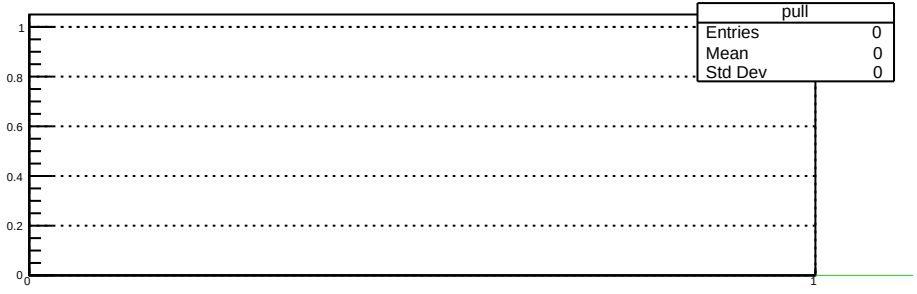

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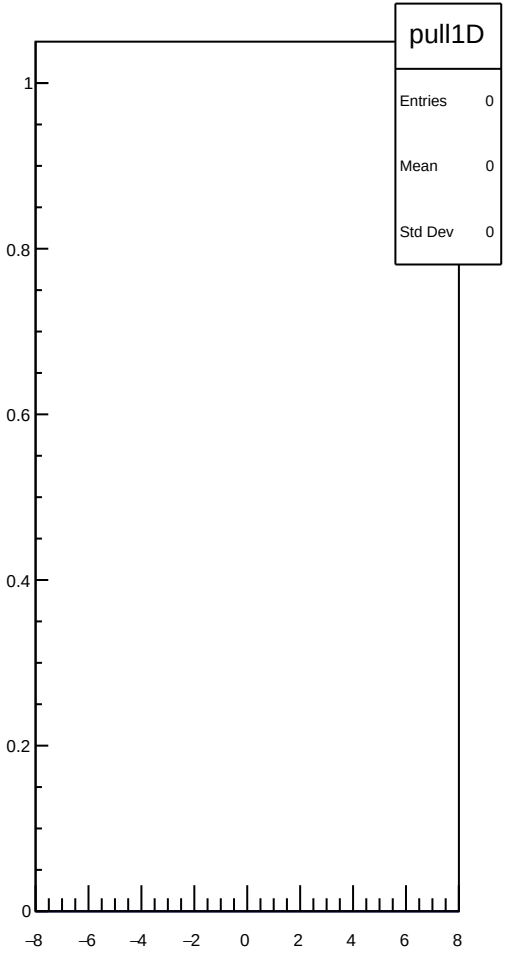

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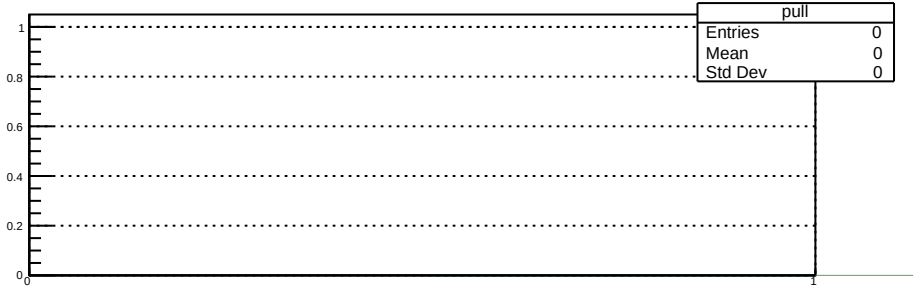

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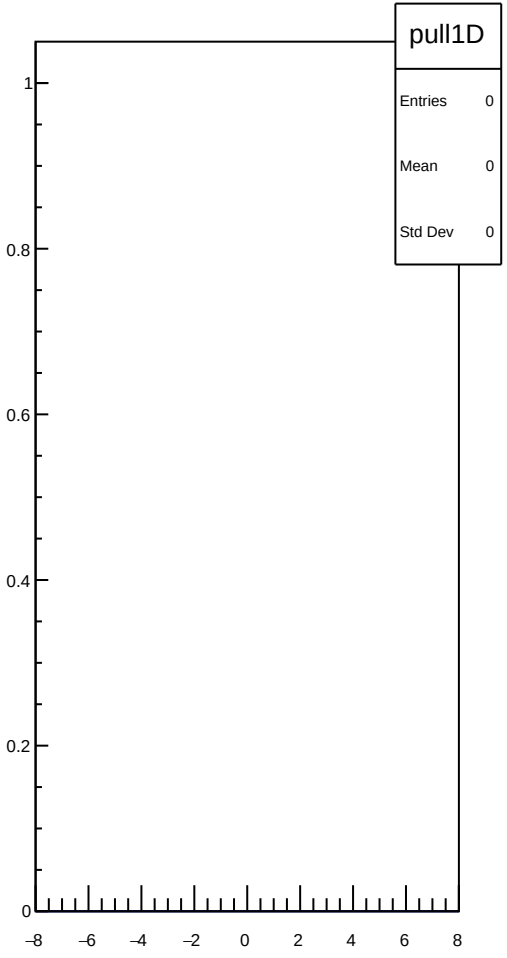

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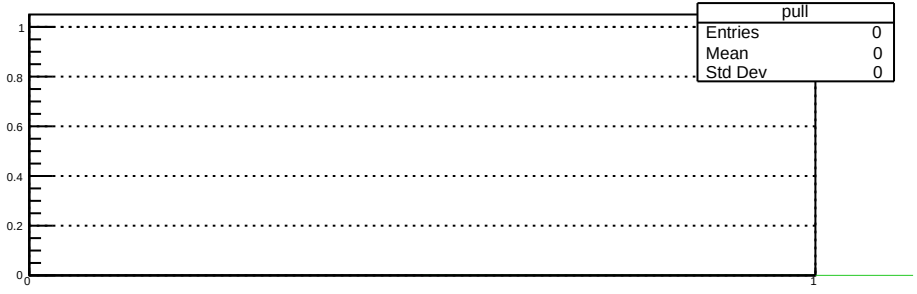

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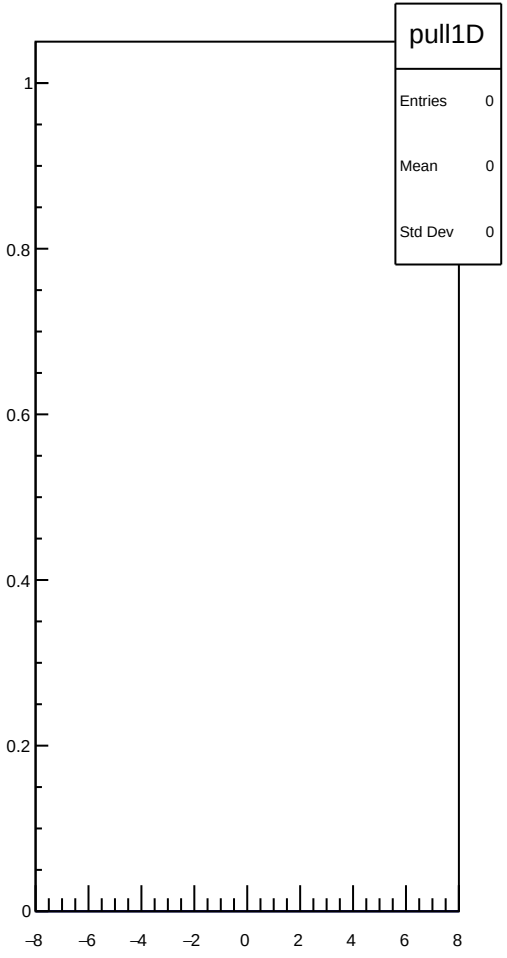

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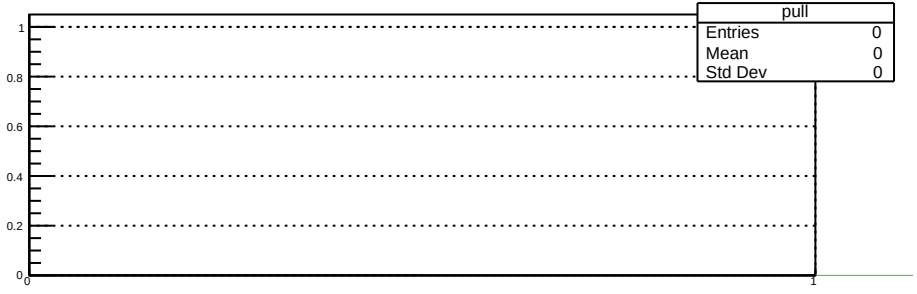

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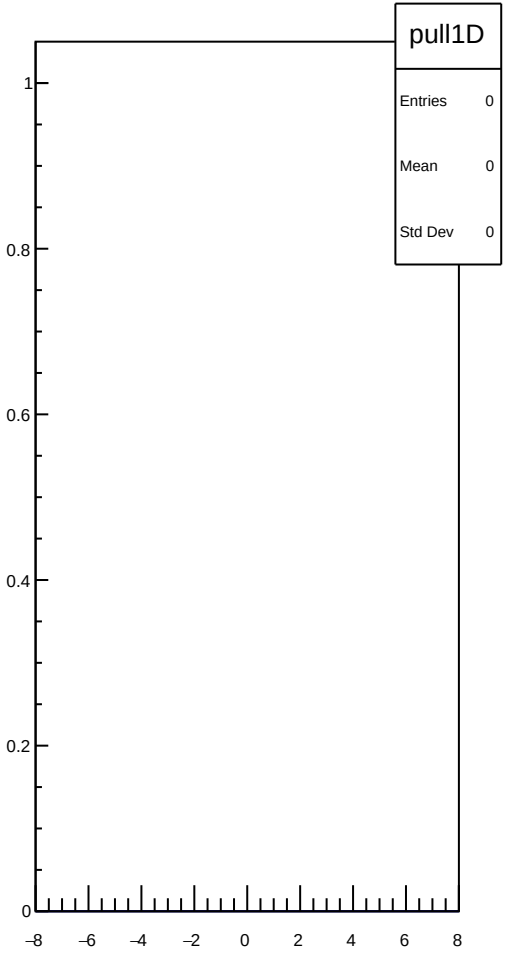

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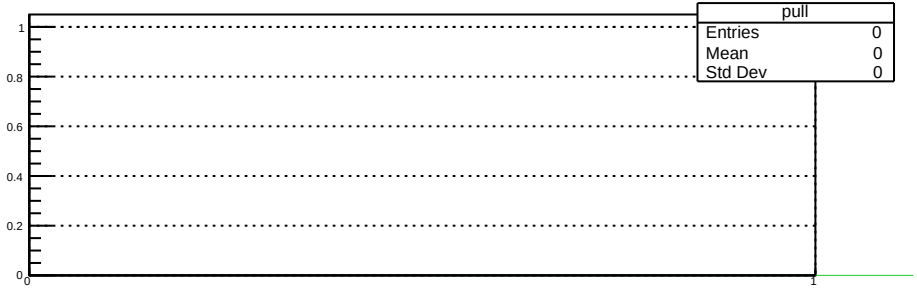

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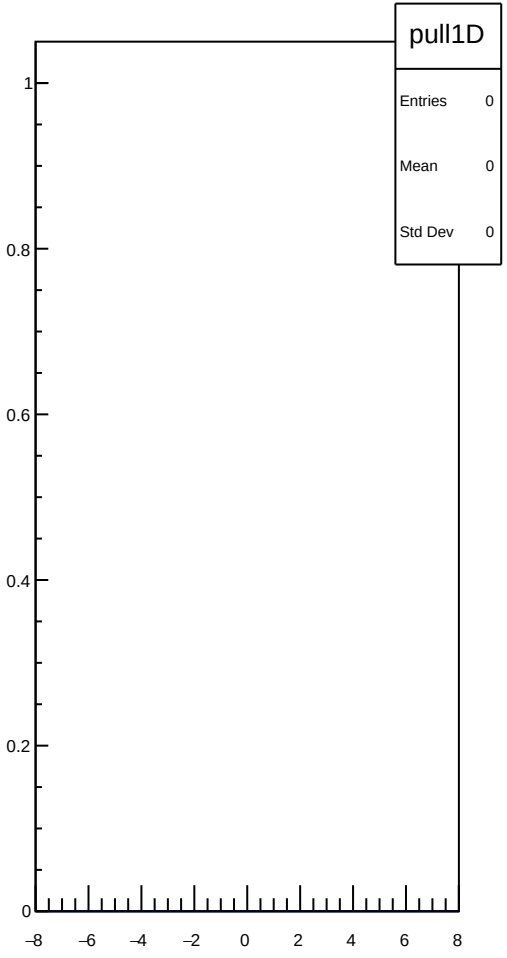

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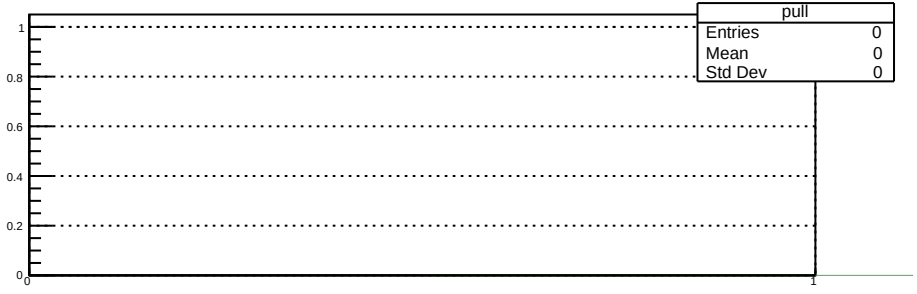

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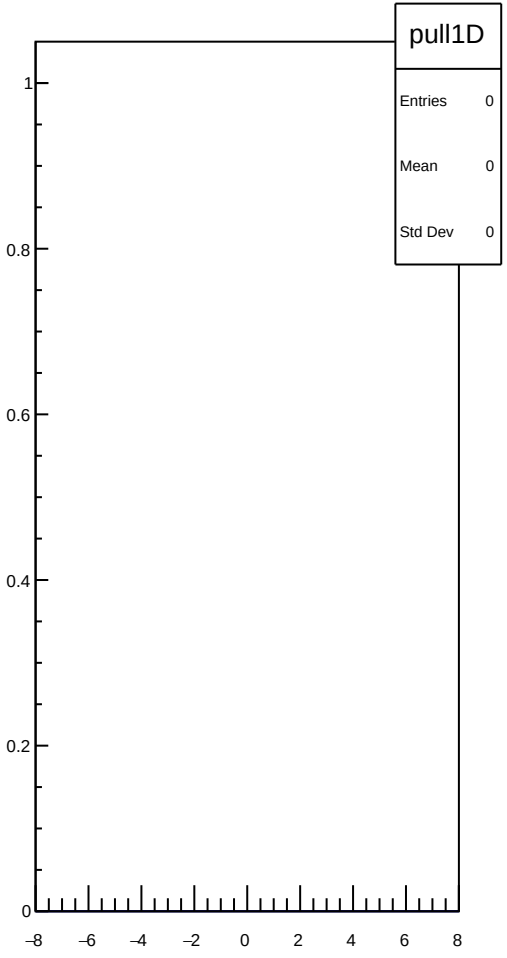

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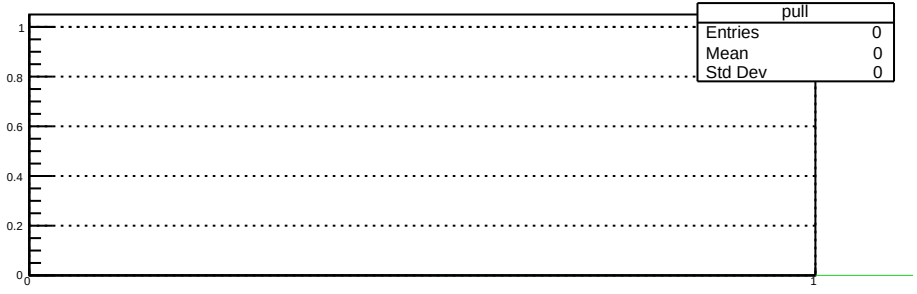

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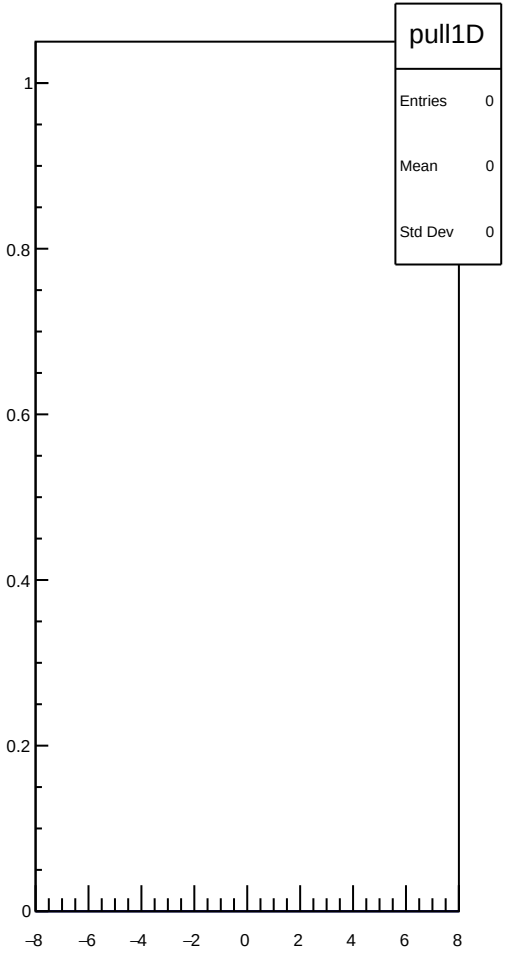

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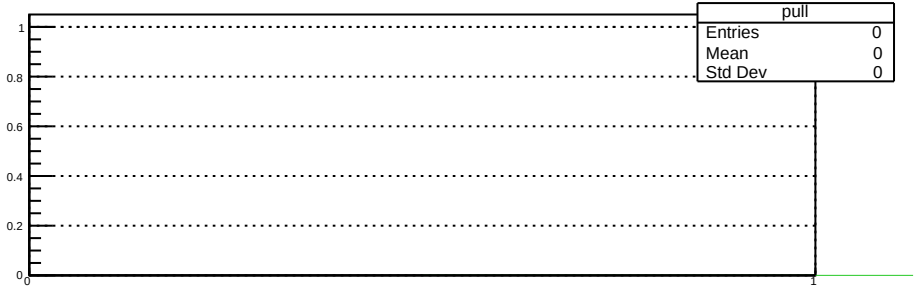

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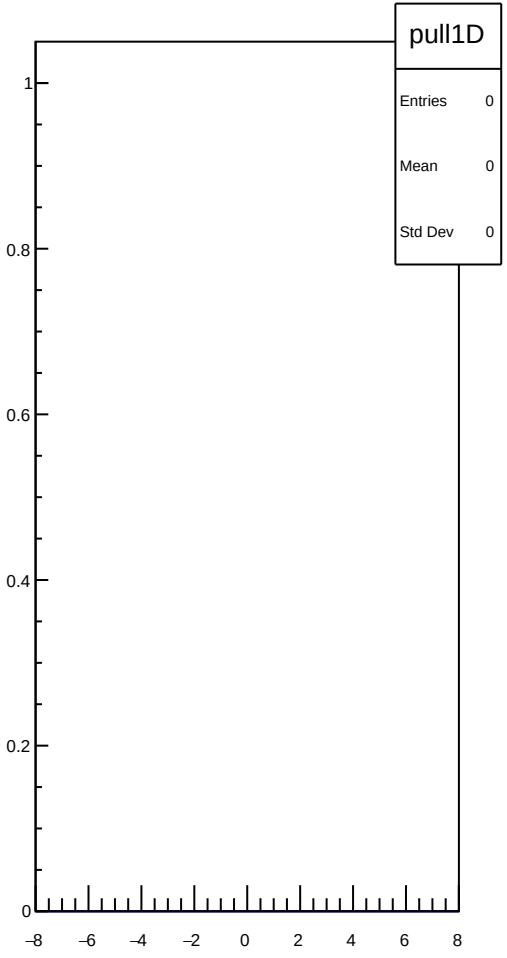

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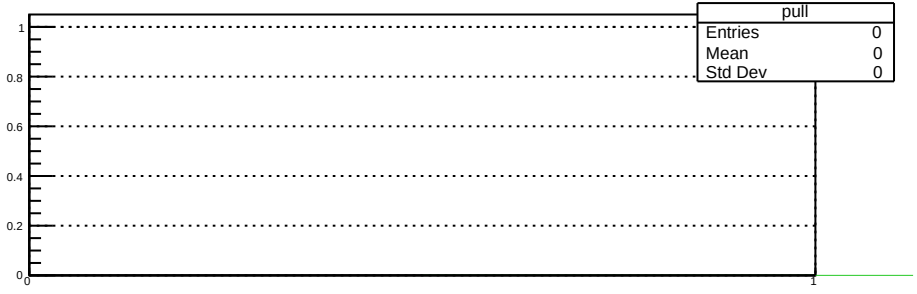

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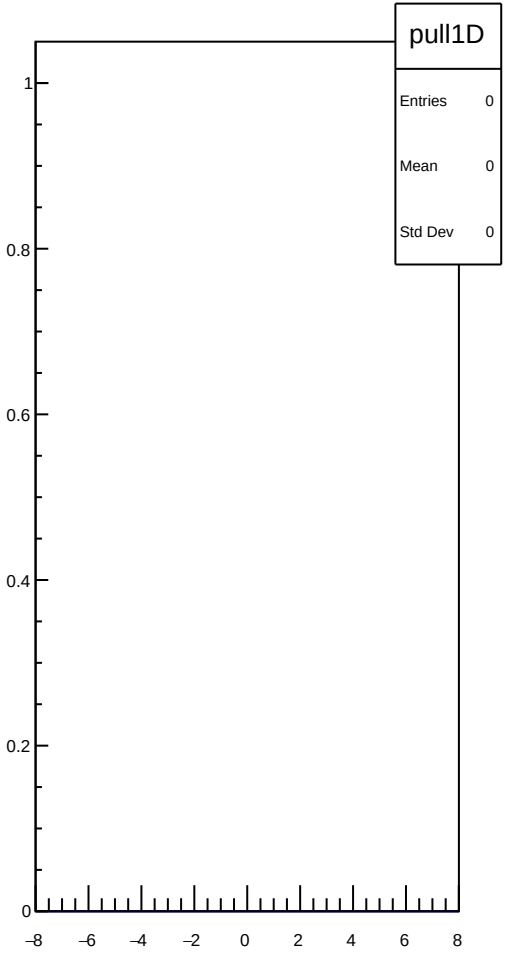

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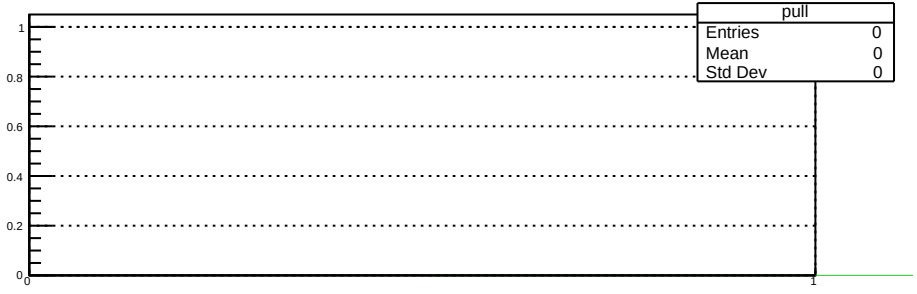

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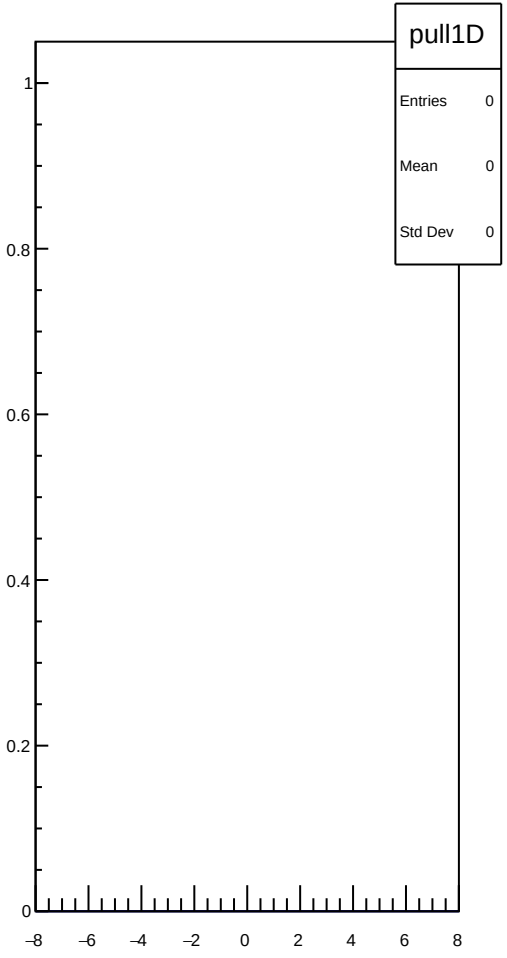

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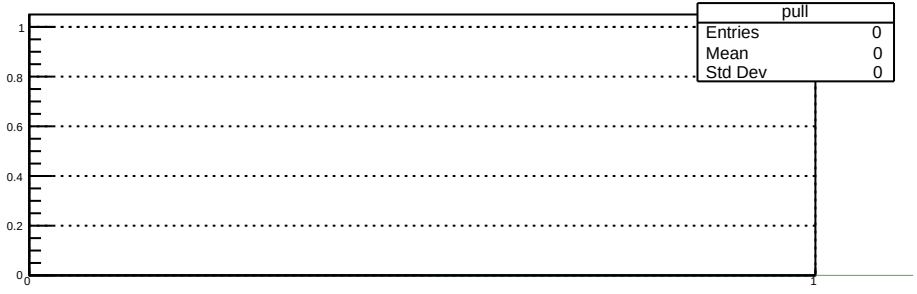

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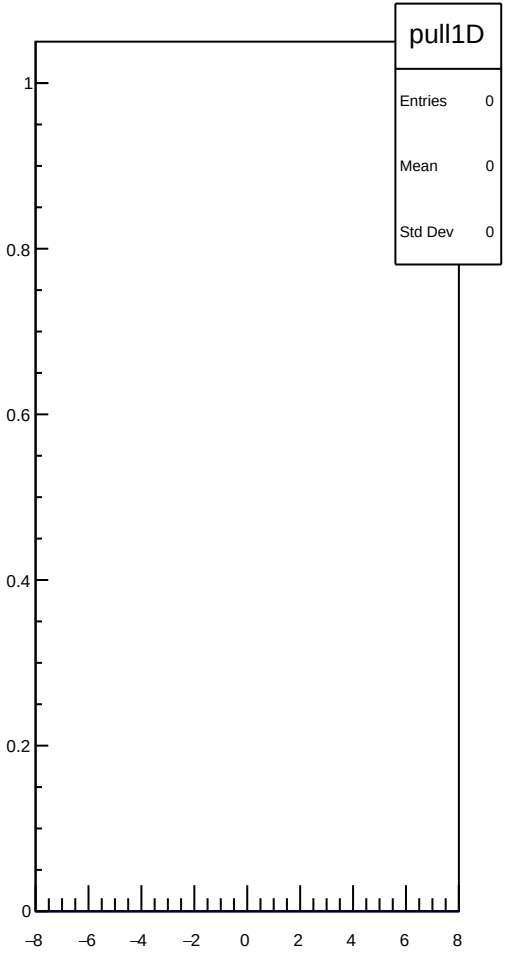

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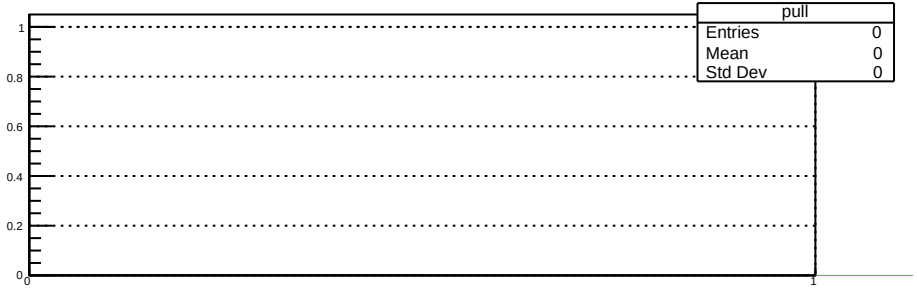

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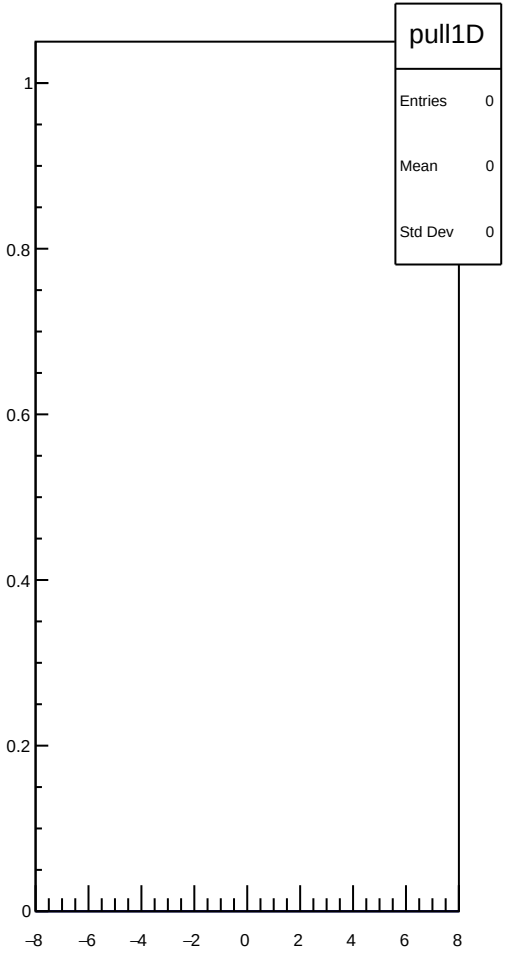

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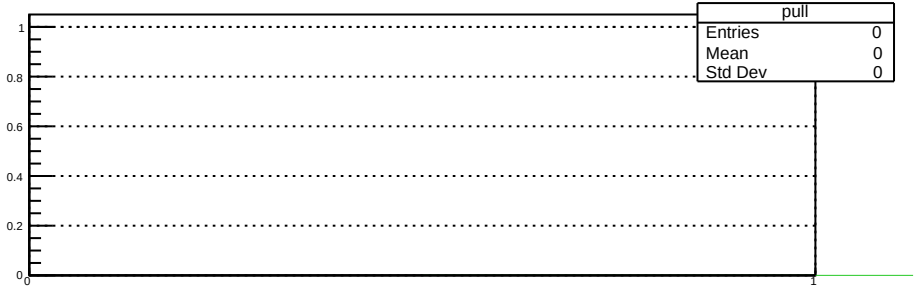

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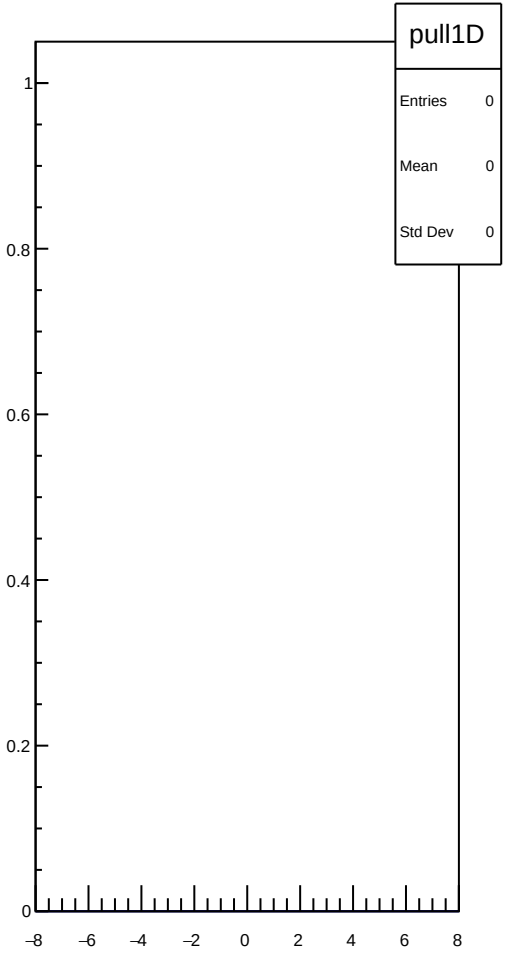

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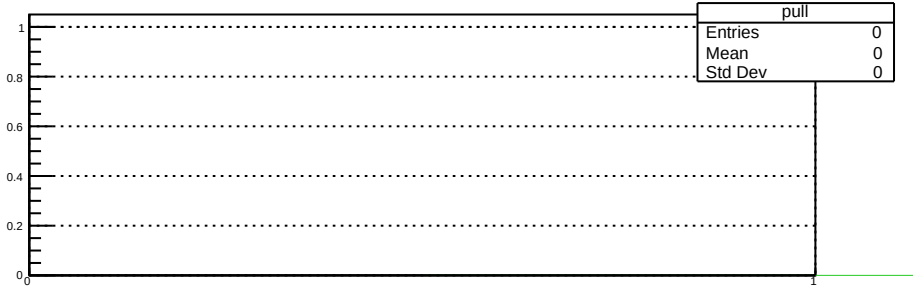

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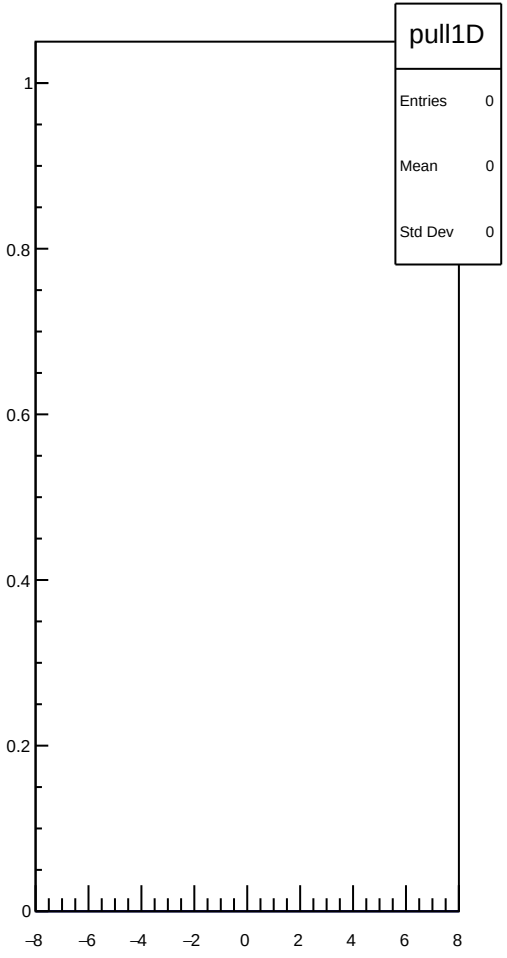

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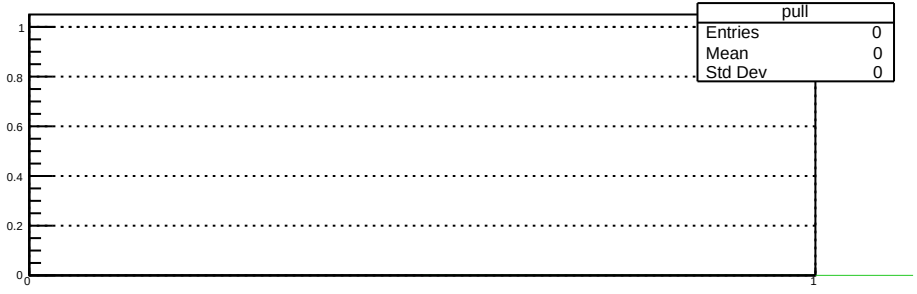

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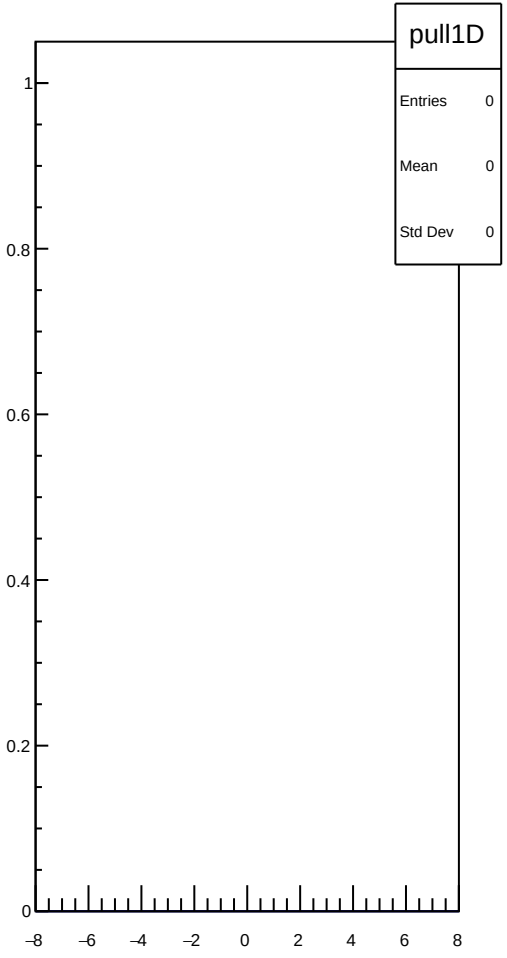

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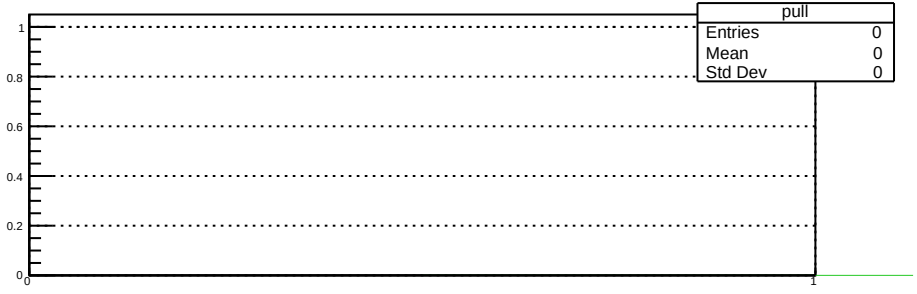

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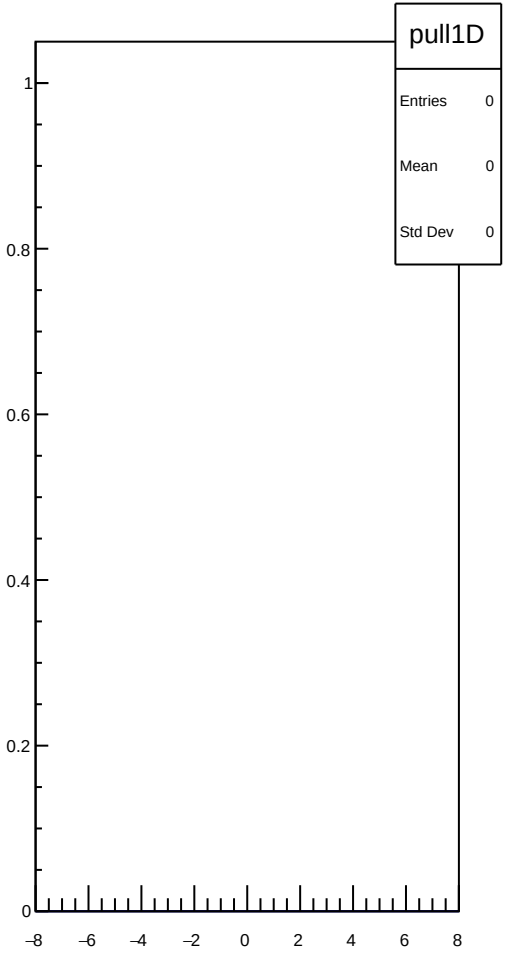

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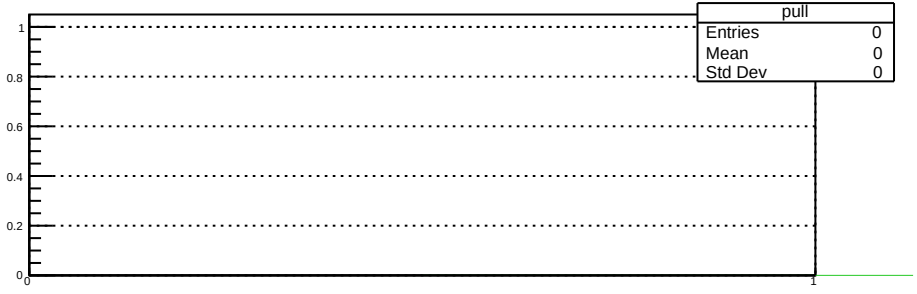

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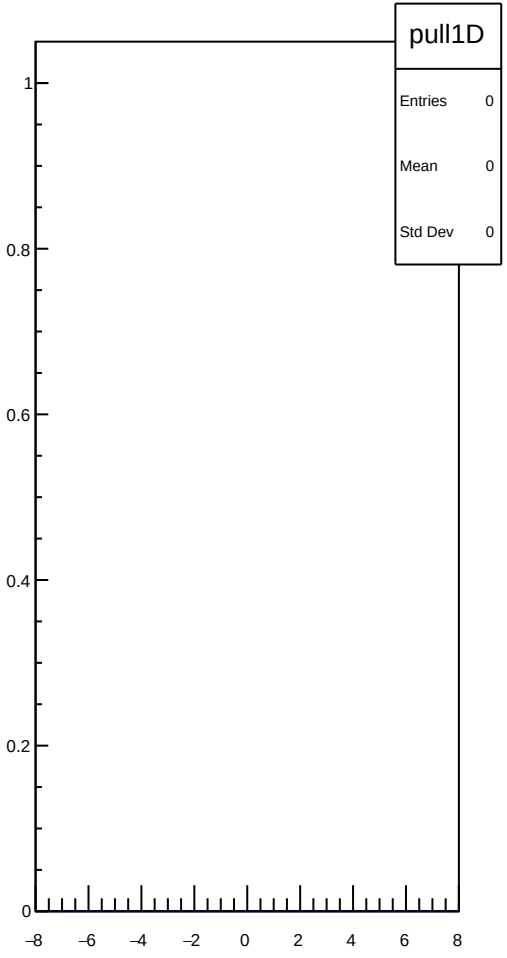

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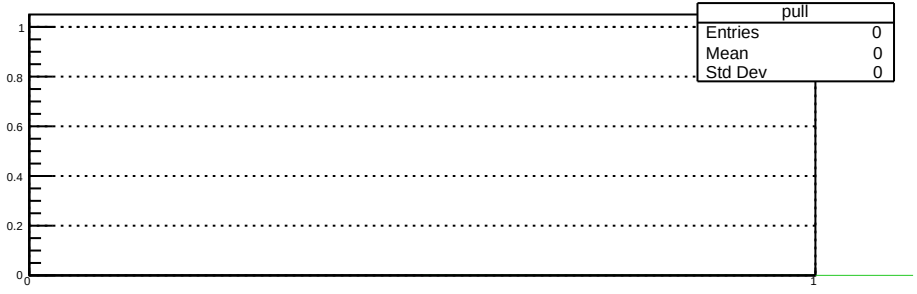

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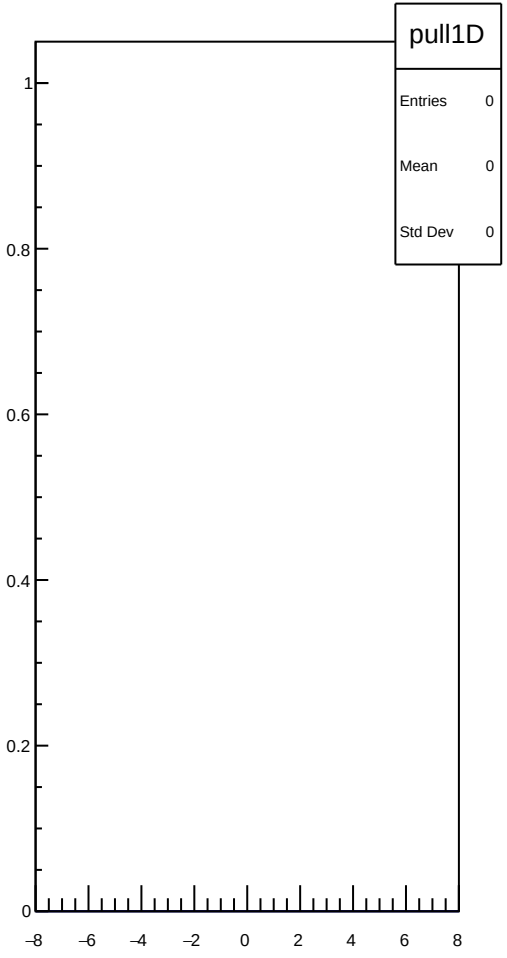

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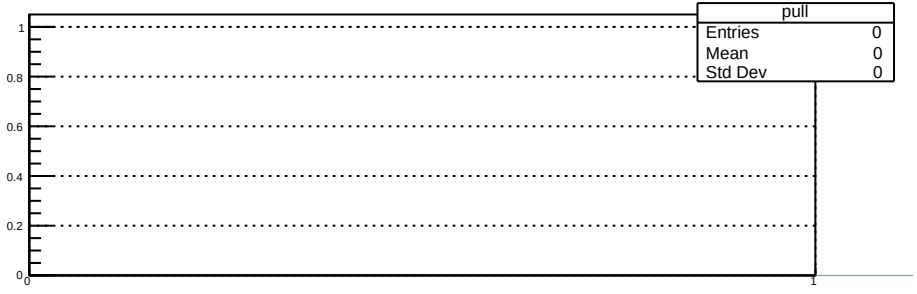

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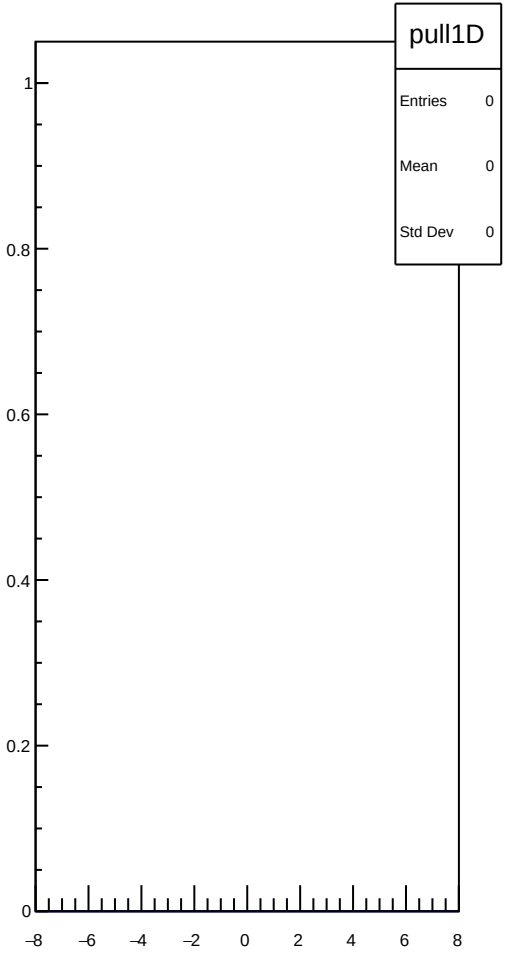

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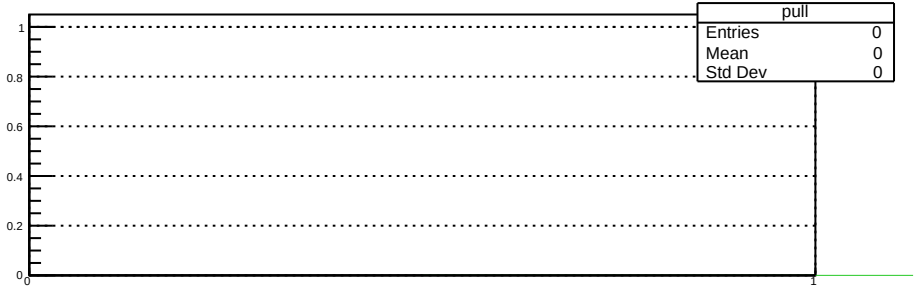

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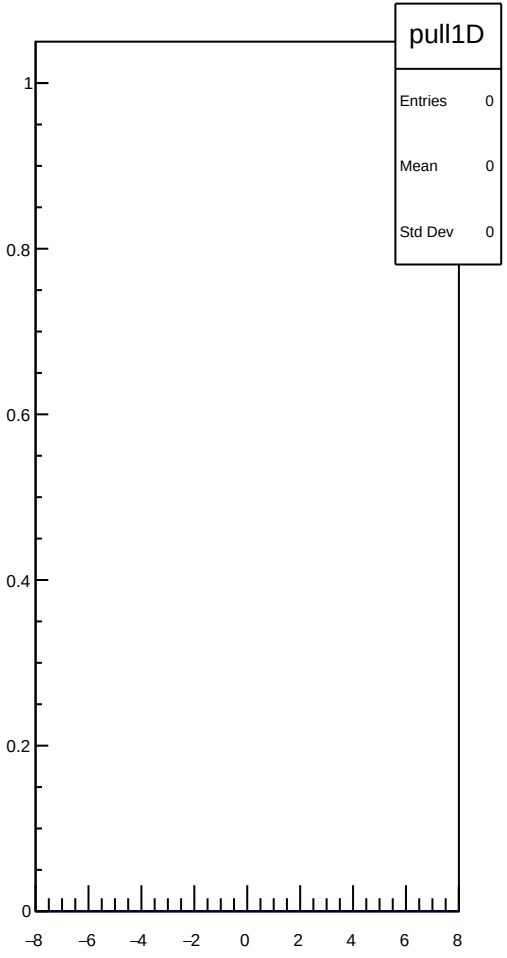

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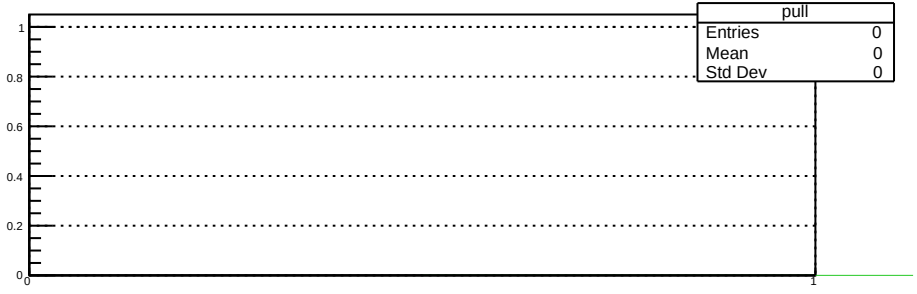

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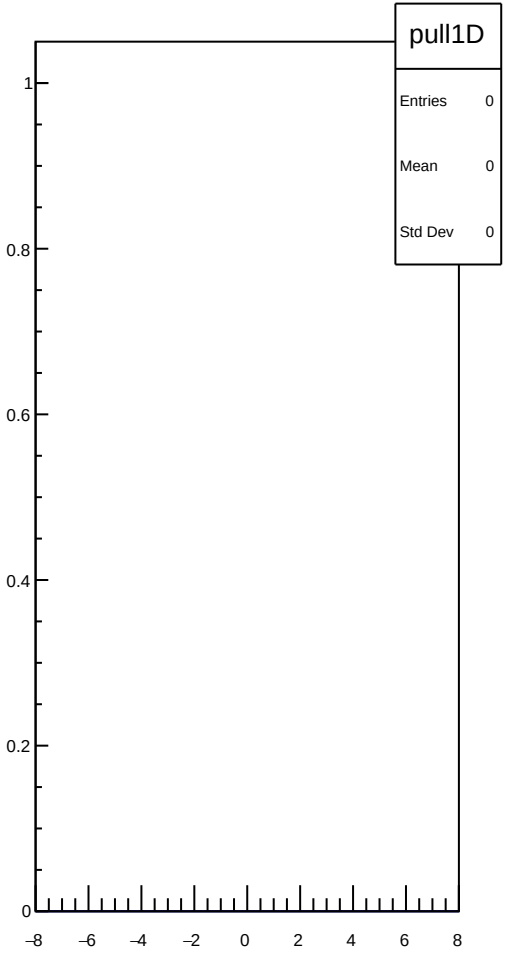

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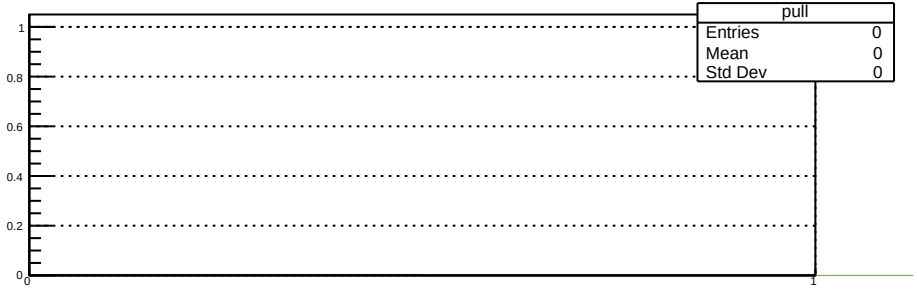

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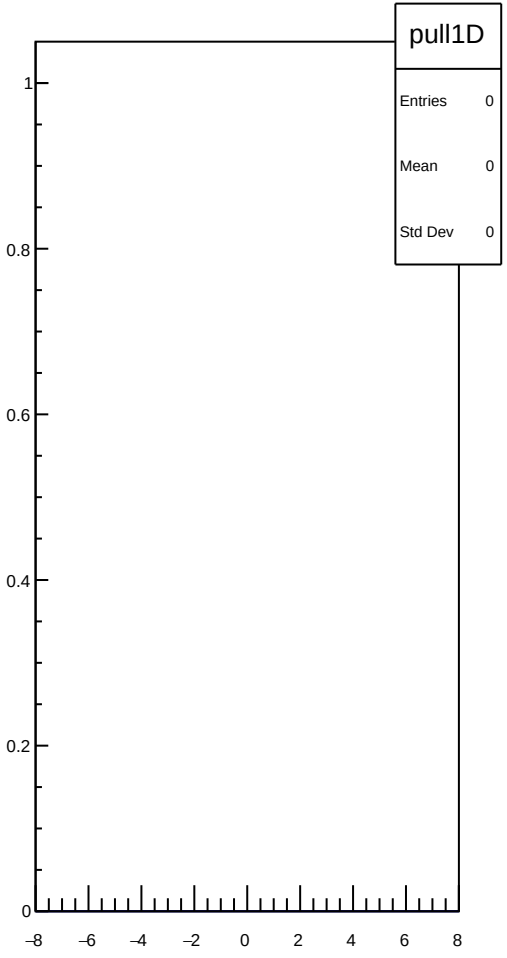

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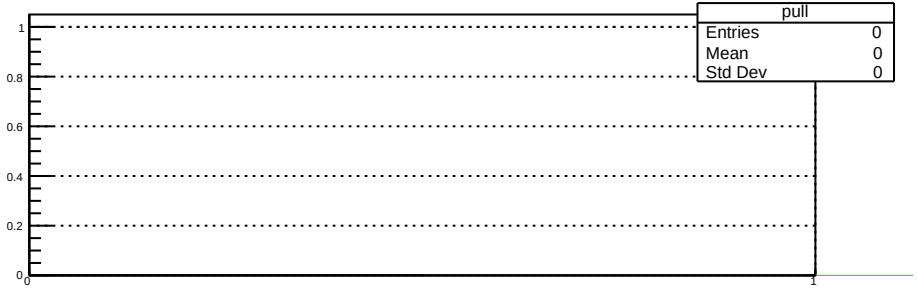

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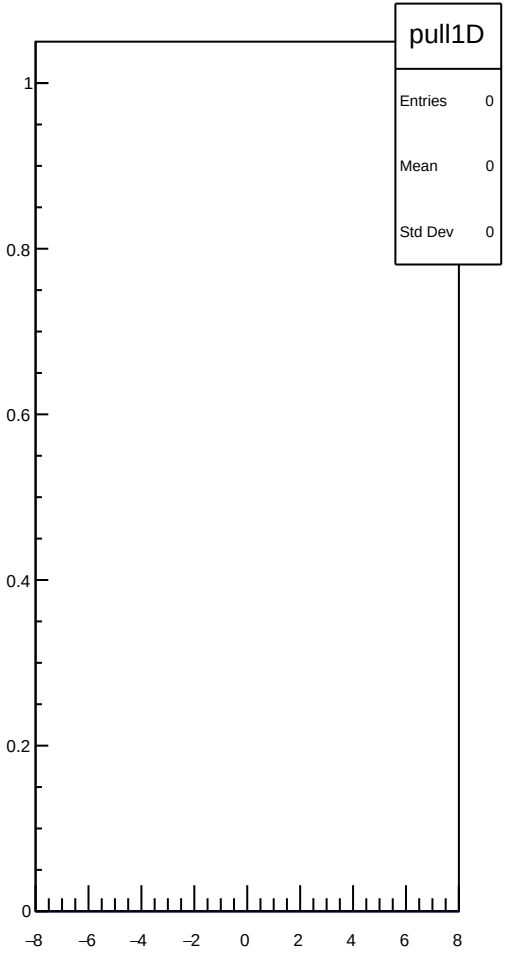

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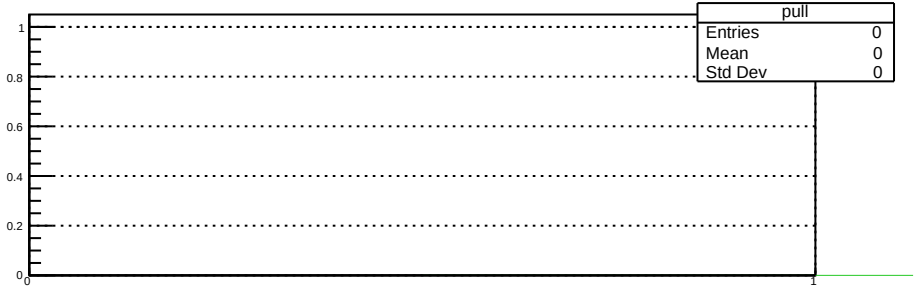

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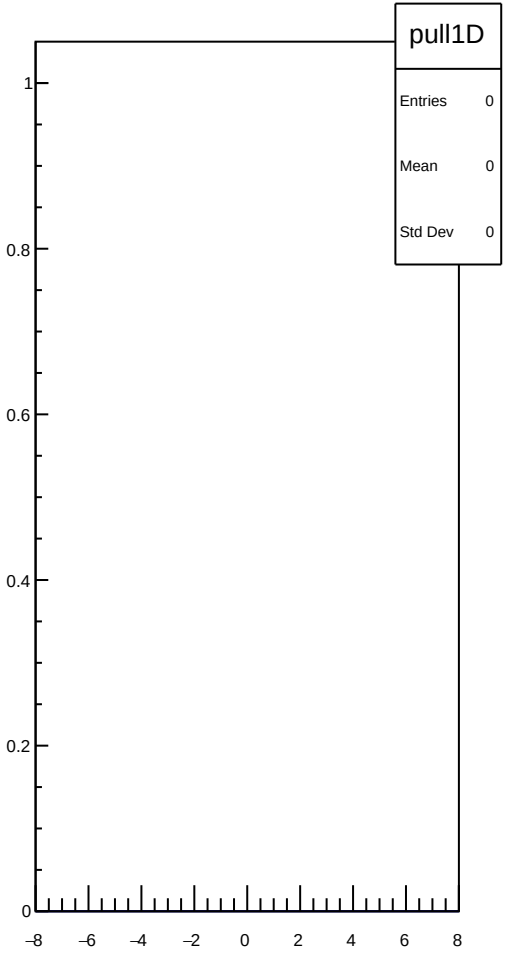

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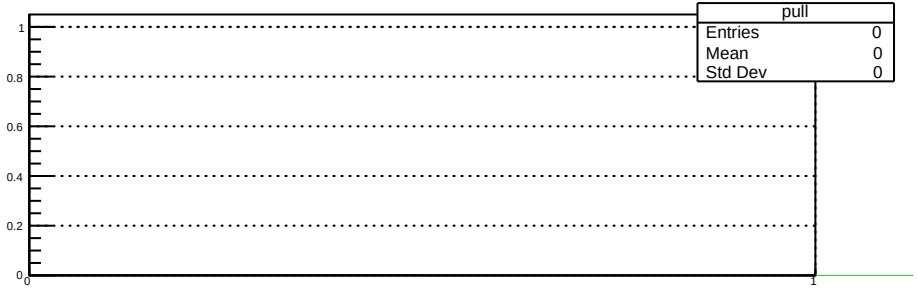

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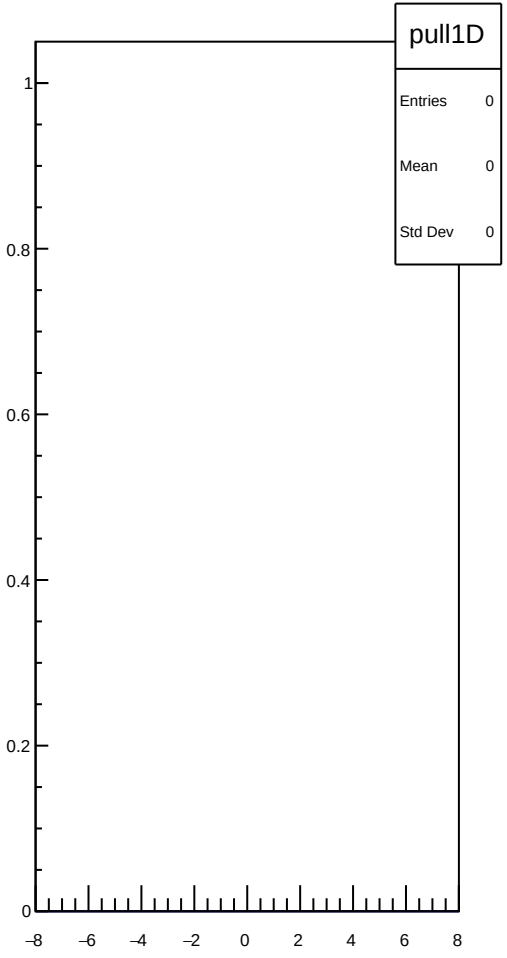

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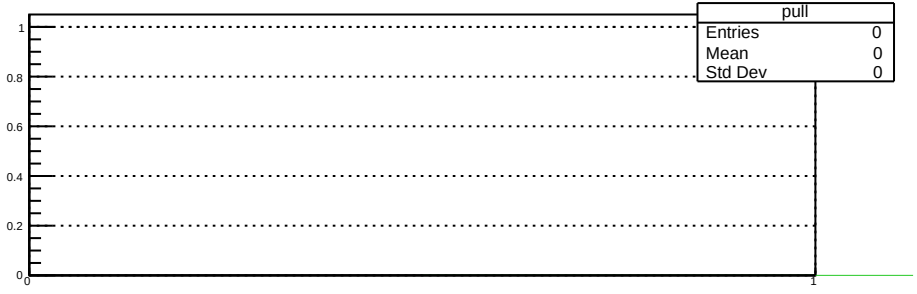

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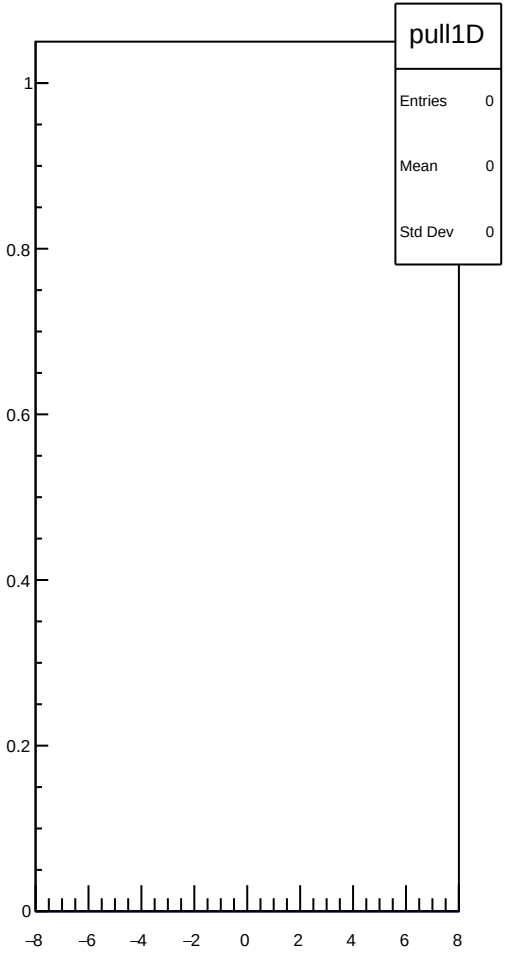

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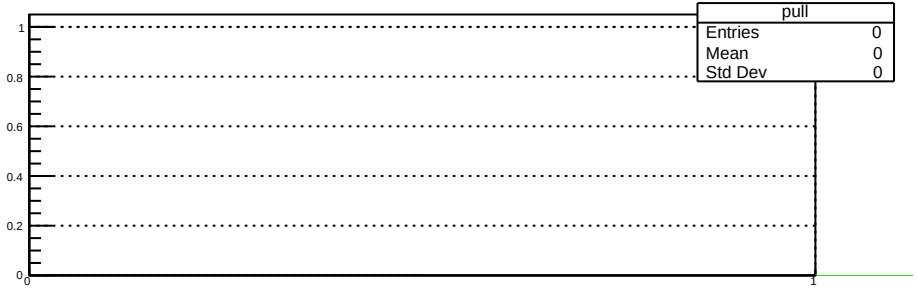

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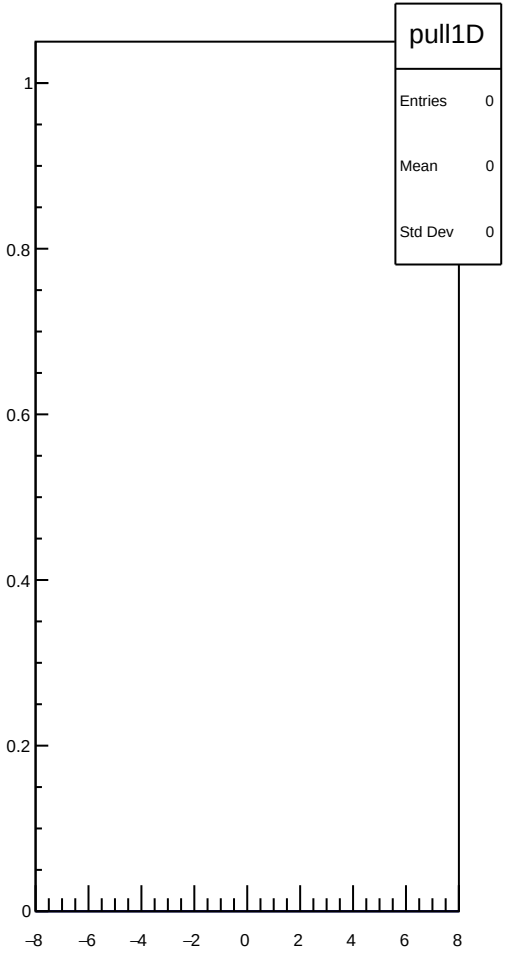

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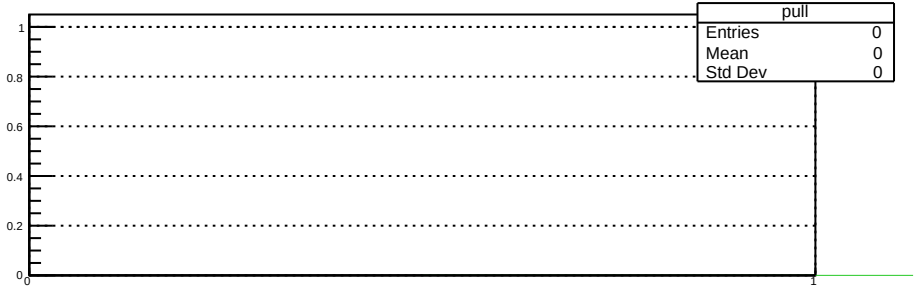

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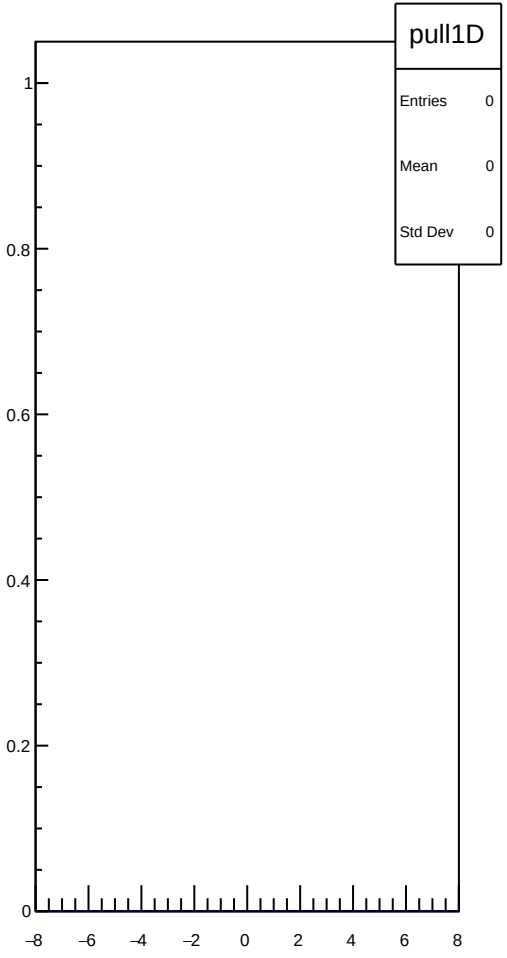

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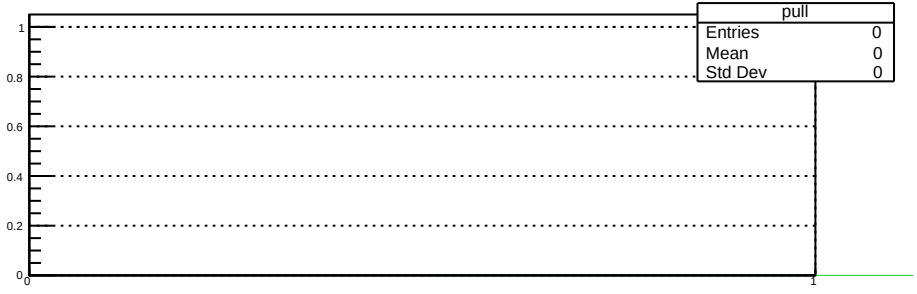

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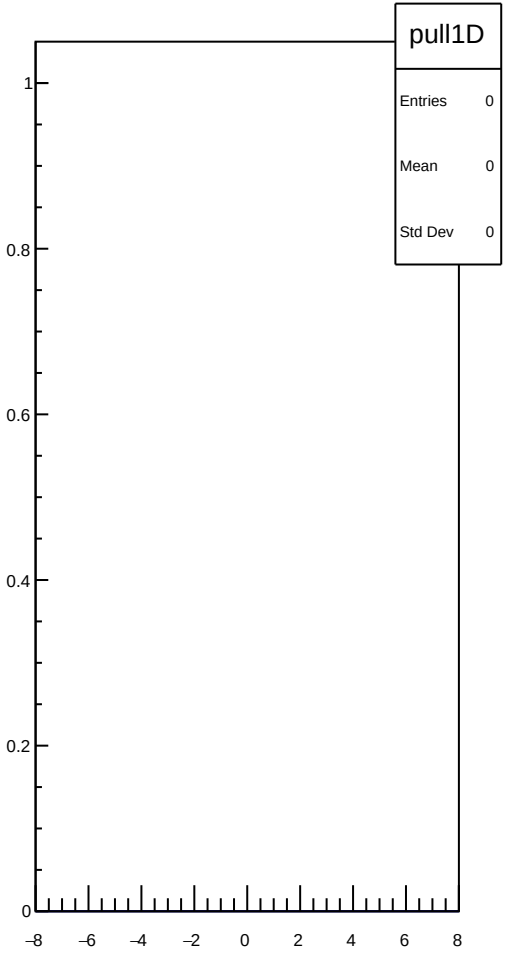

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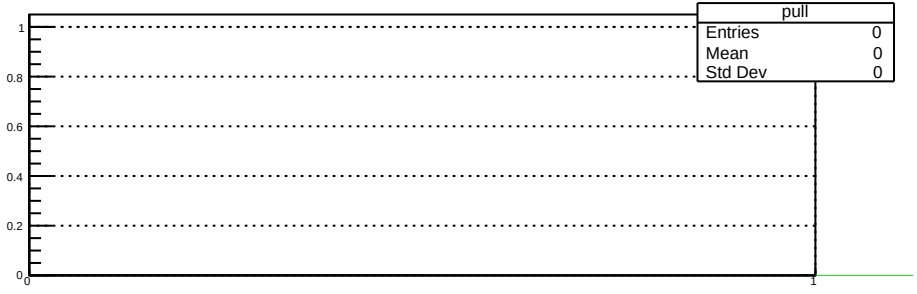

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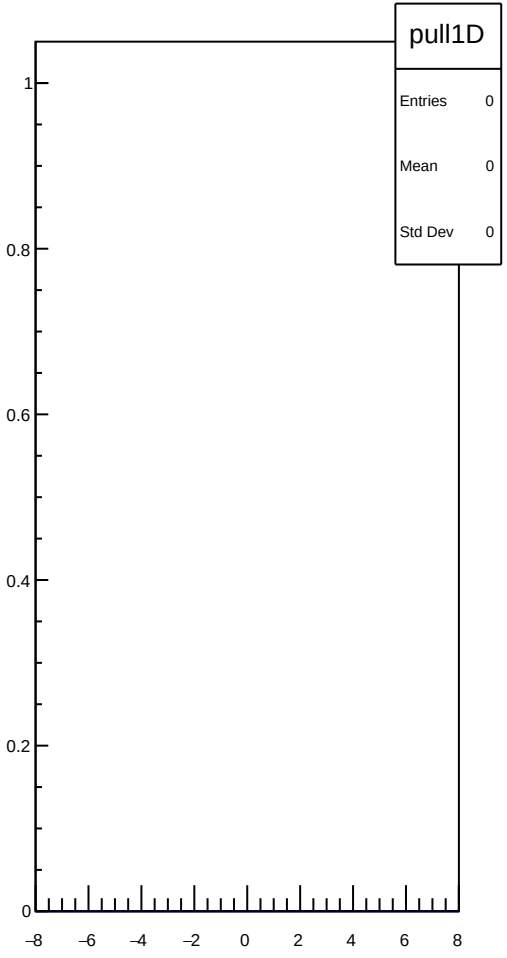

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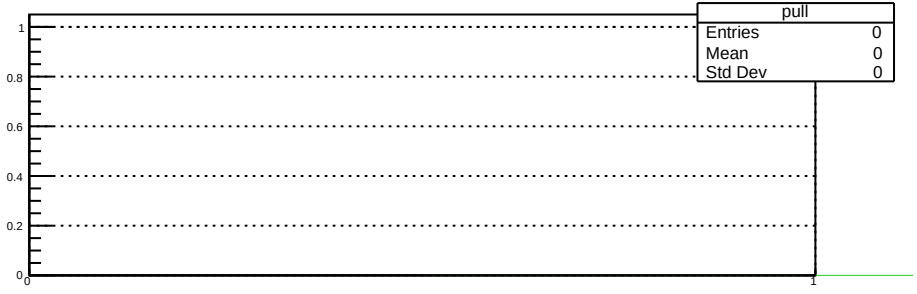

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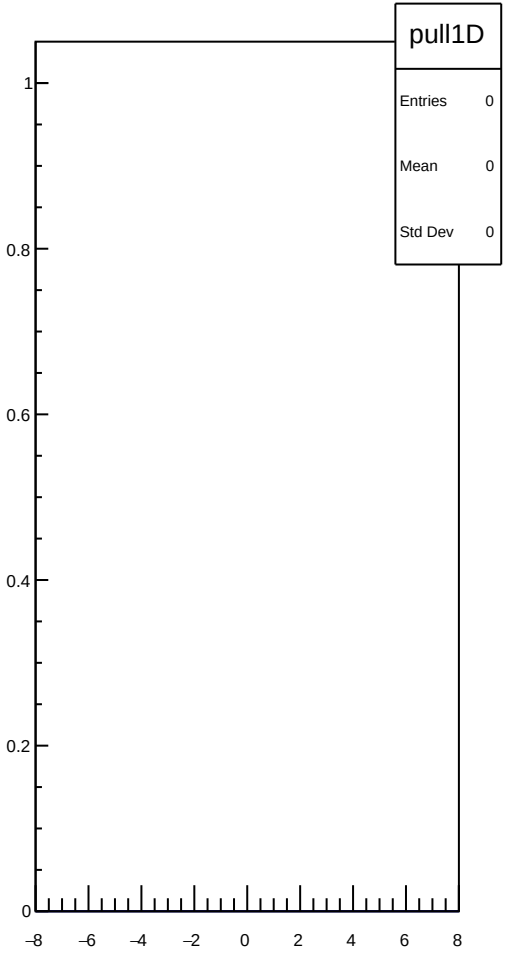

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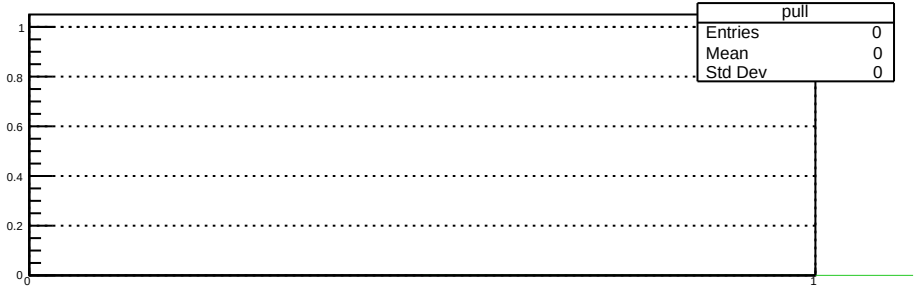

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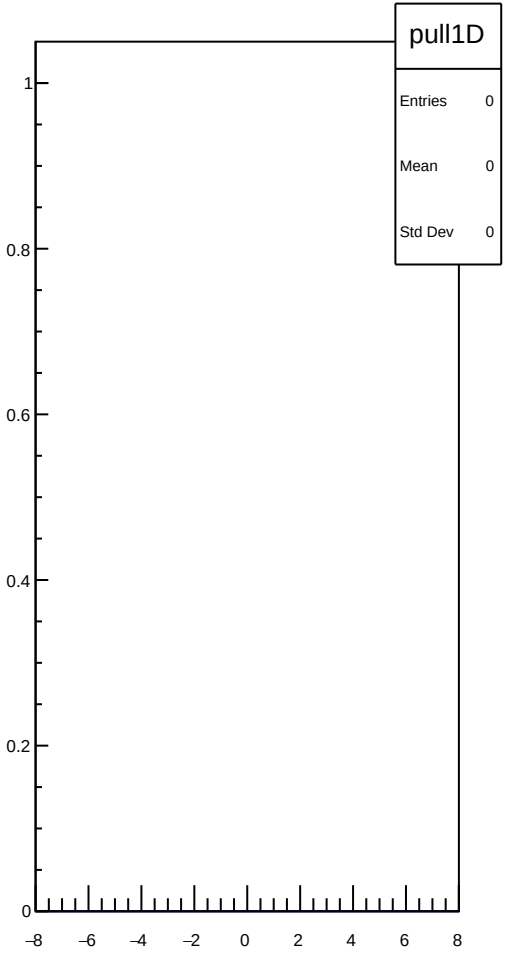

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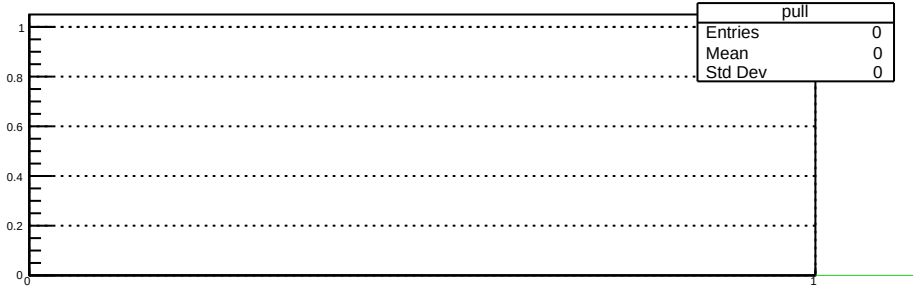

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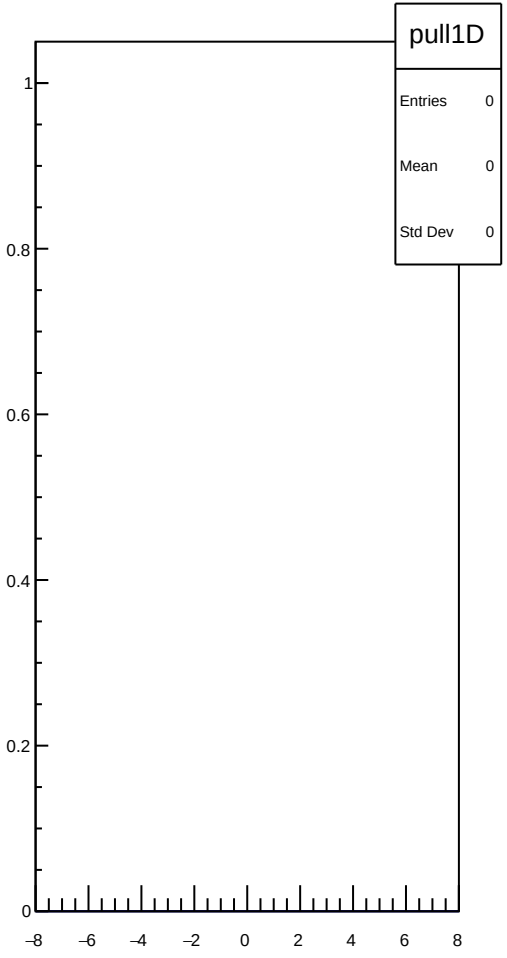

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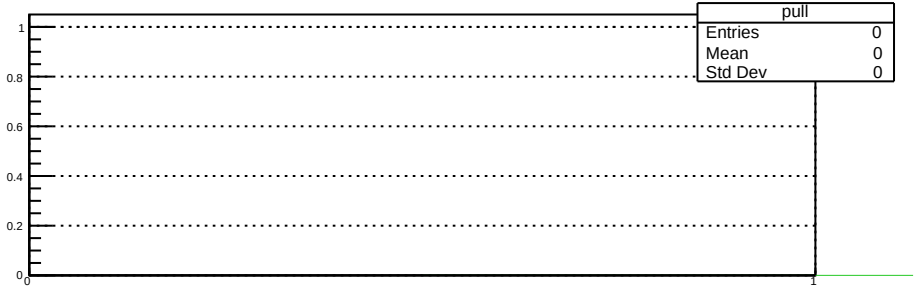

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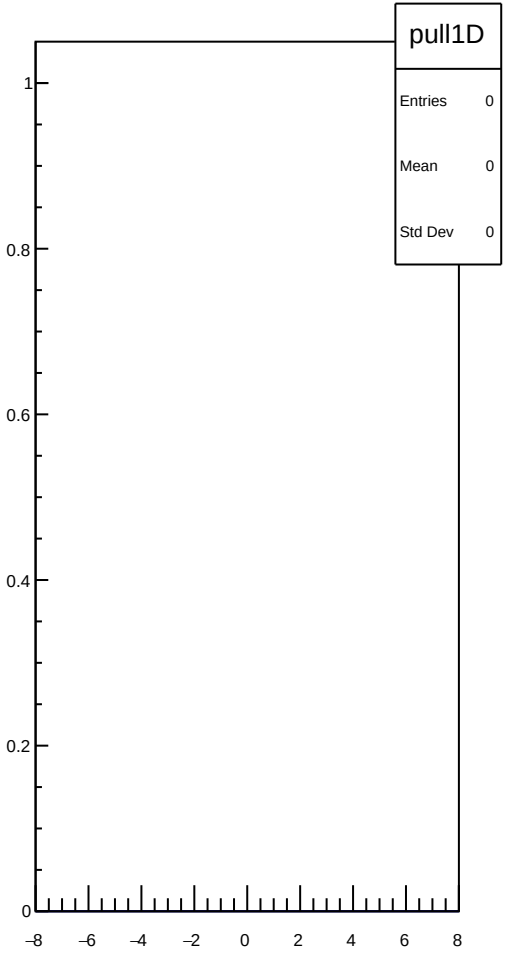

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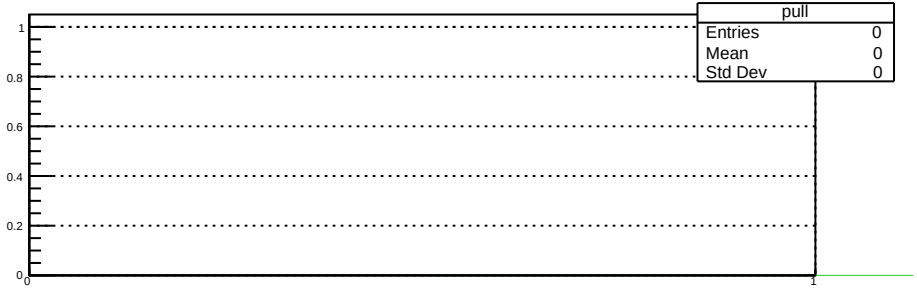

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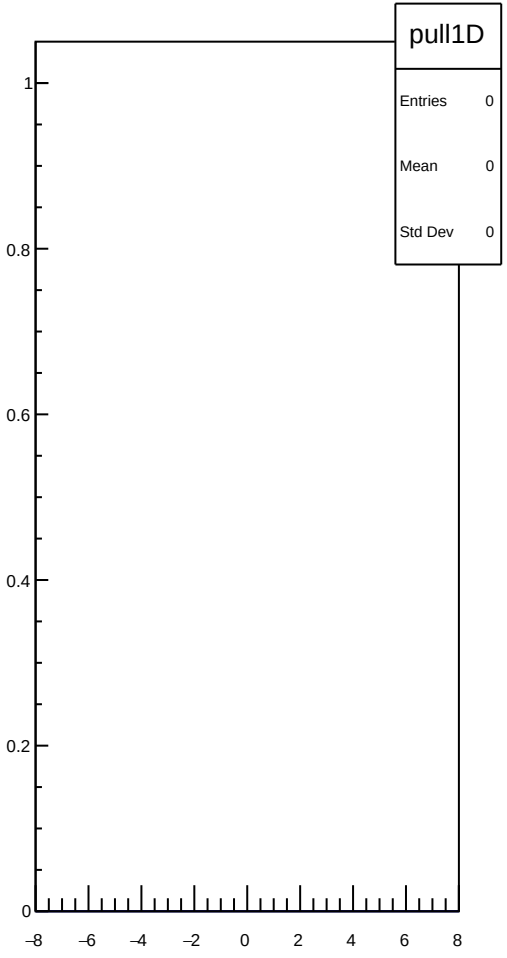

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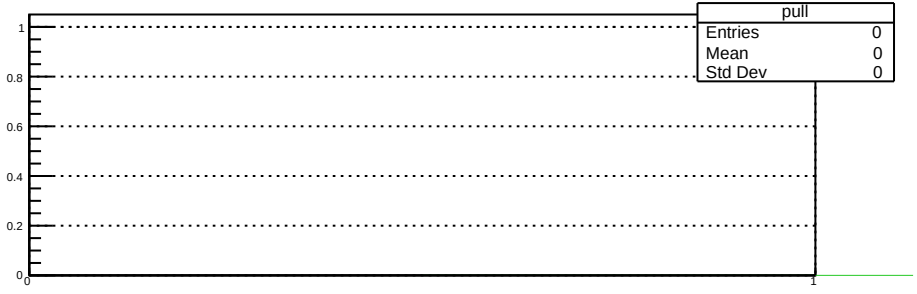

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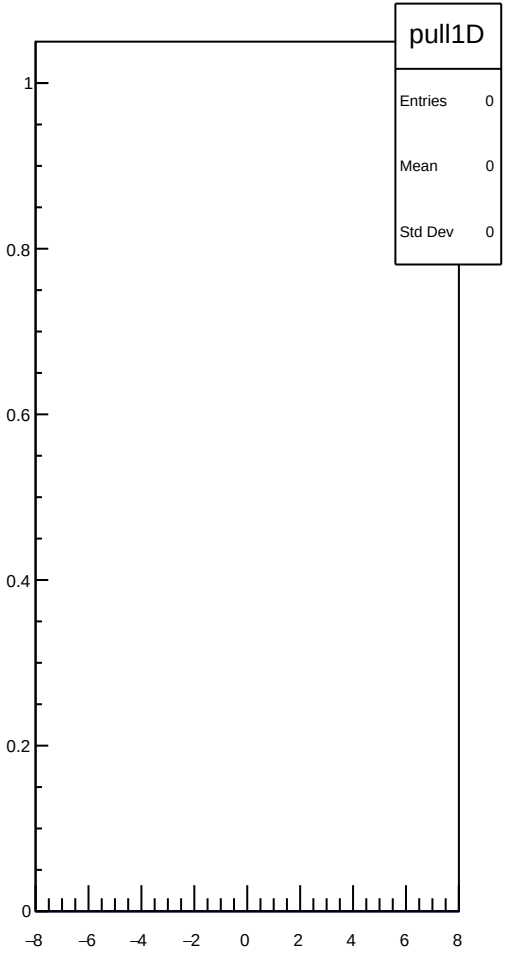

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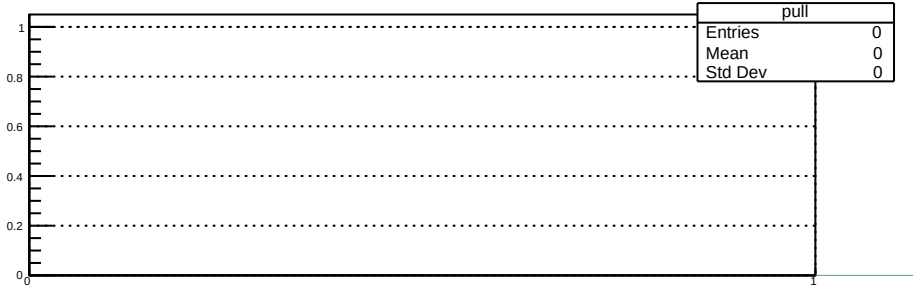

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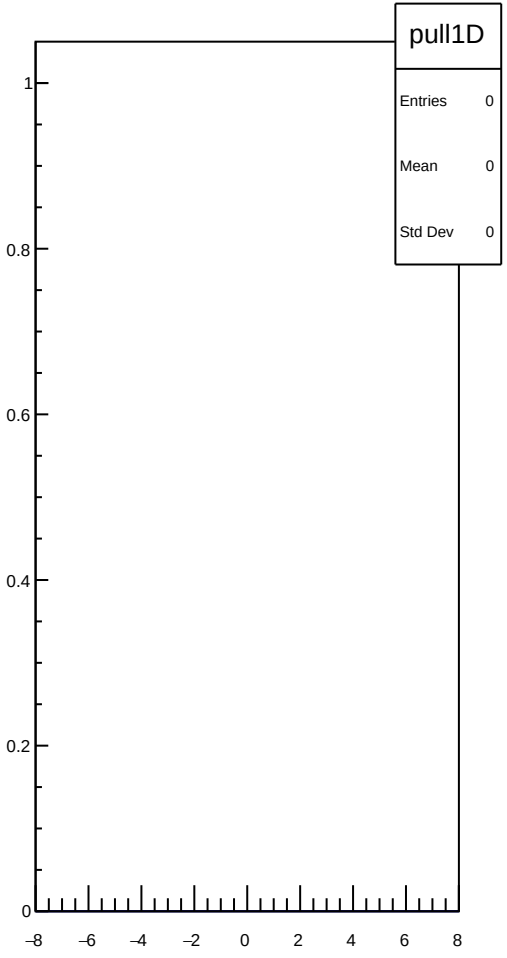

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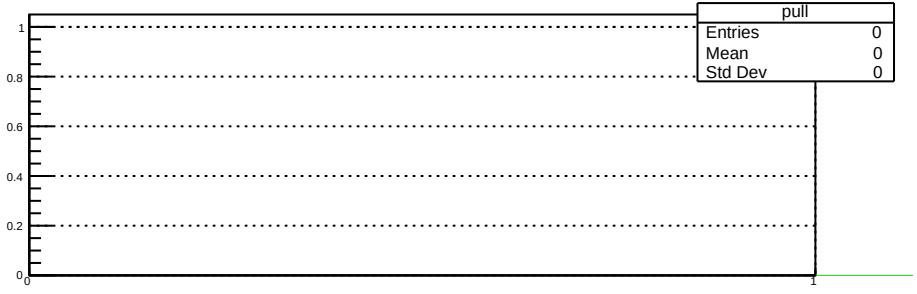

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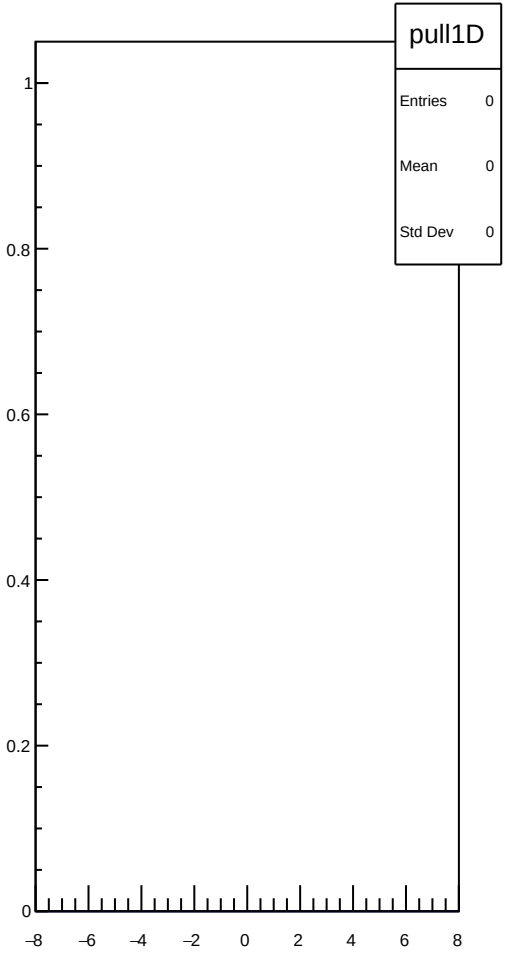

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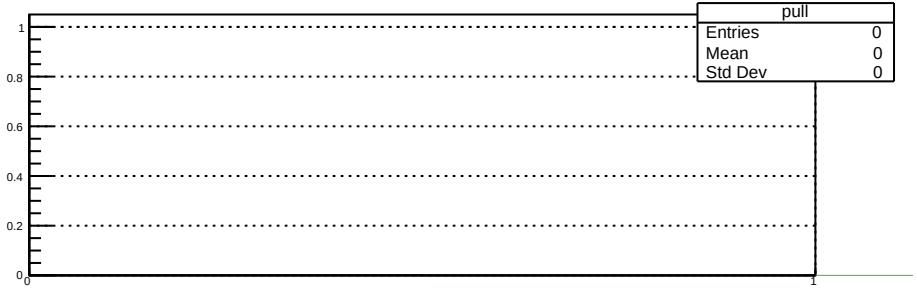

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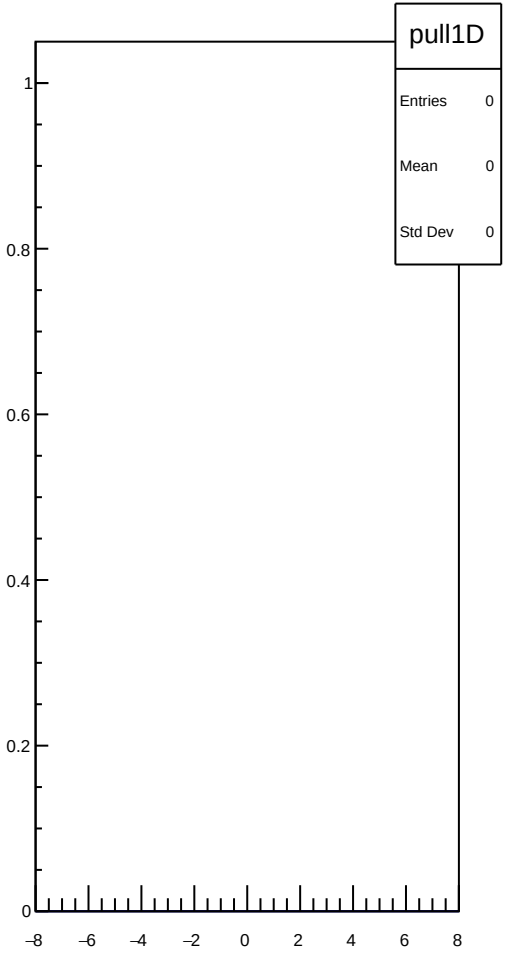

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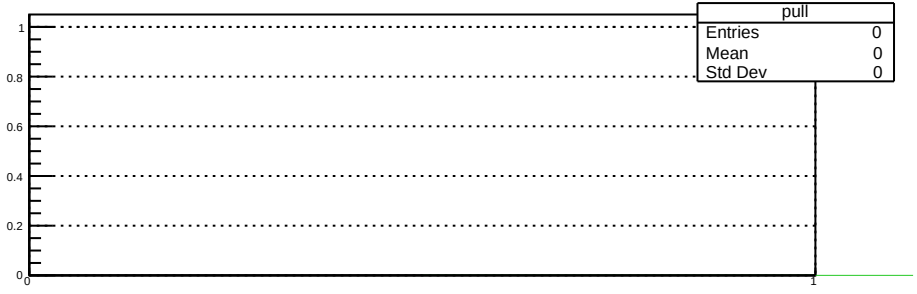

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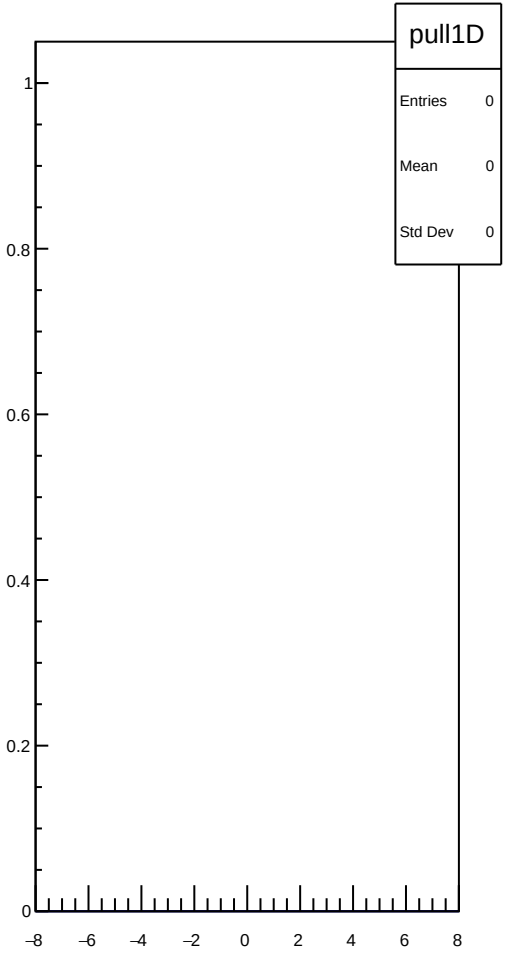

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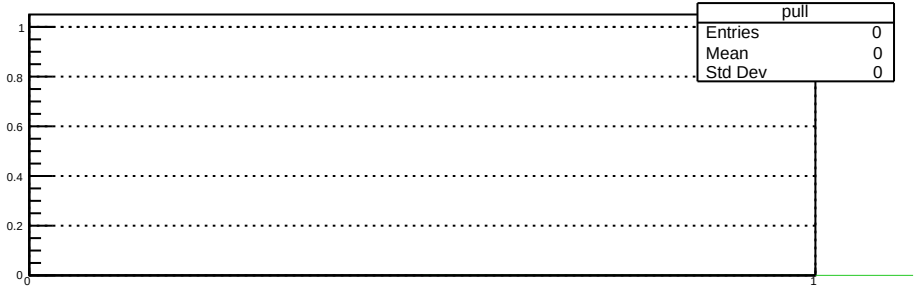

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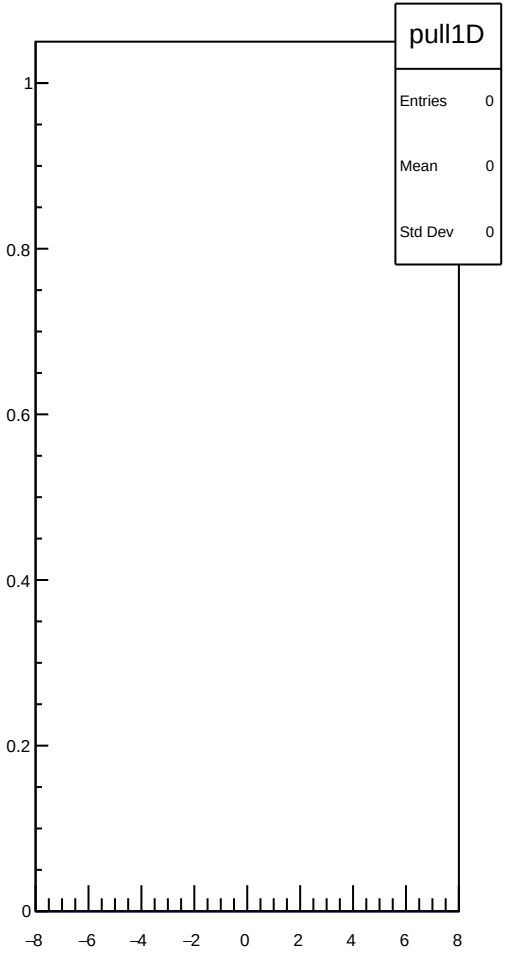

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0.2
0
0
1

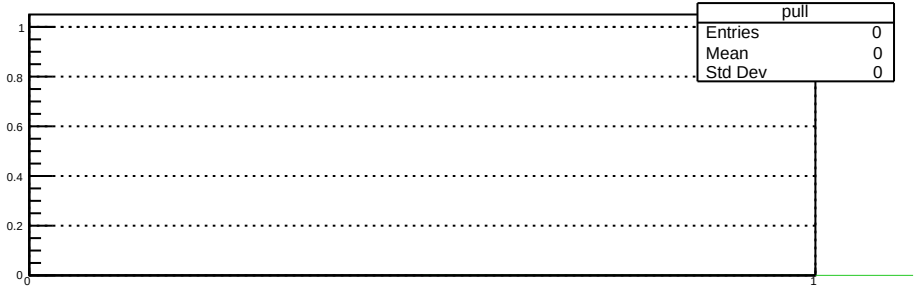

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

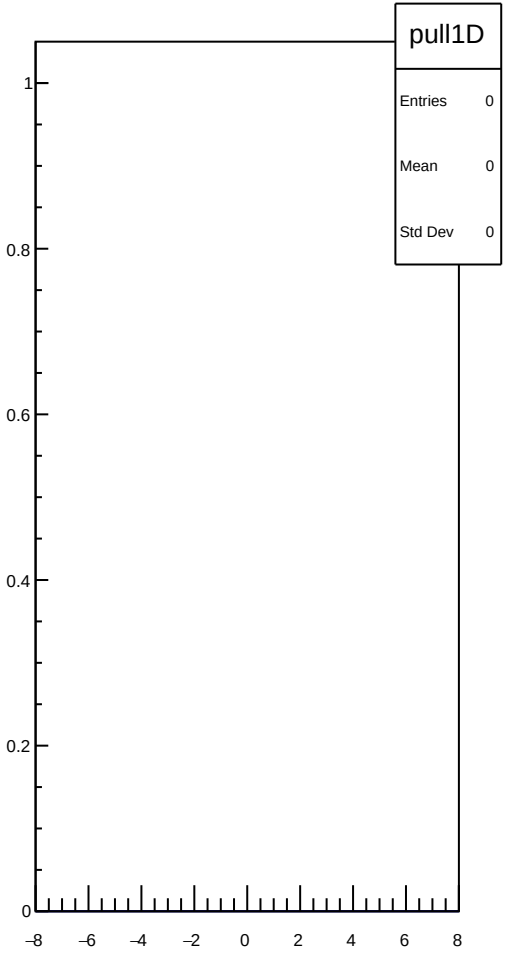

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

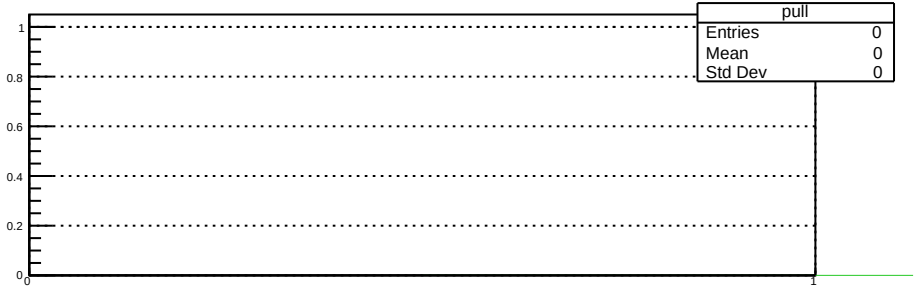

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

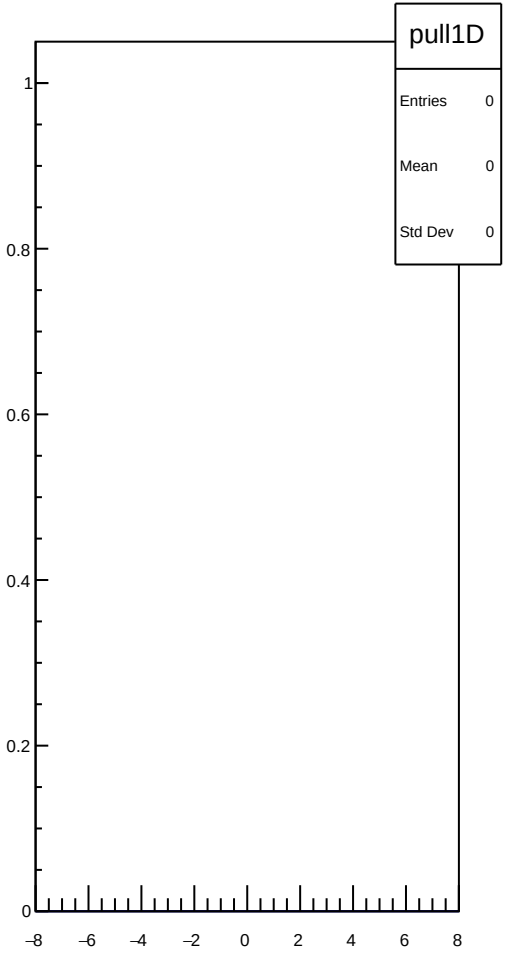

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

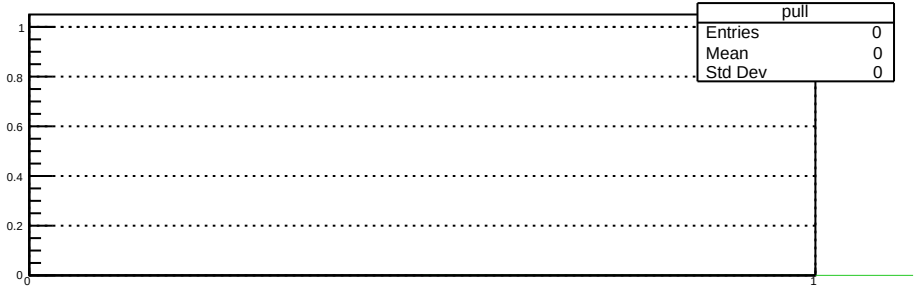

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

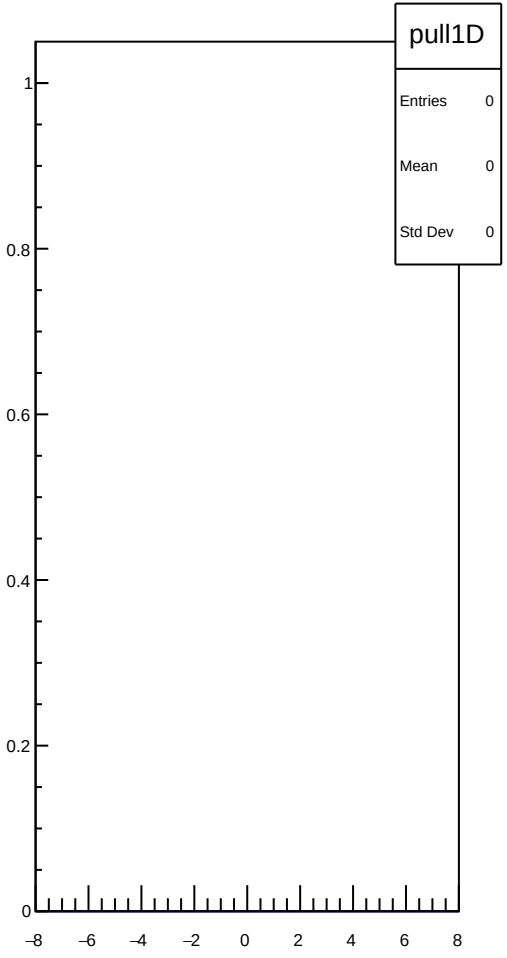

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

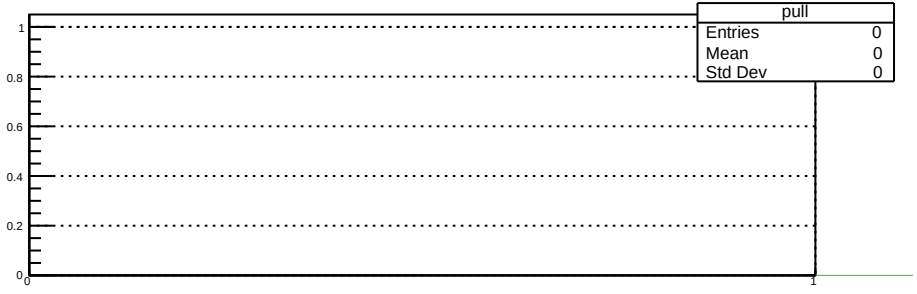

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

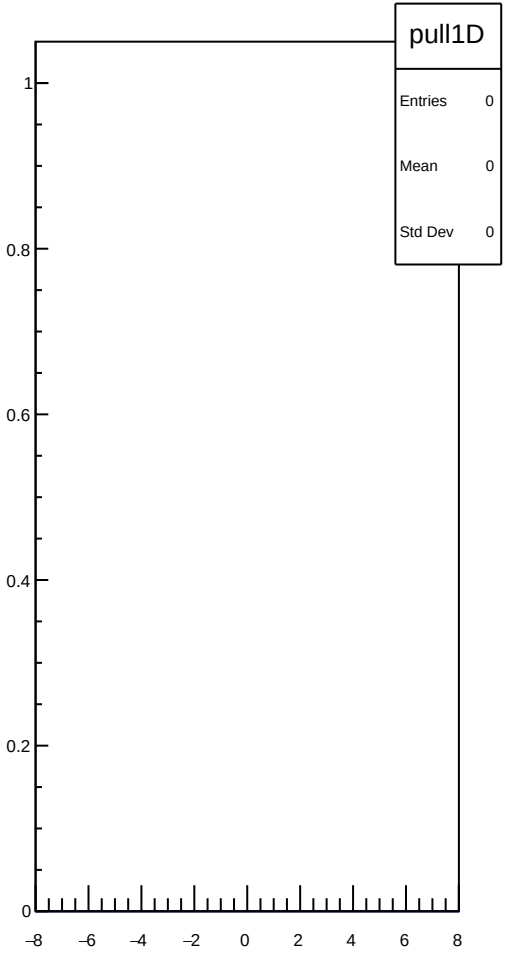

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

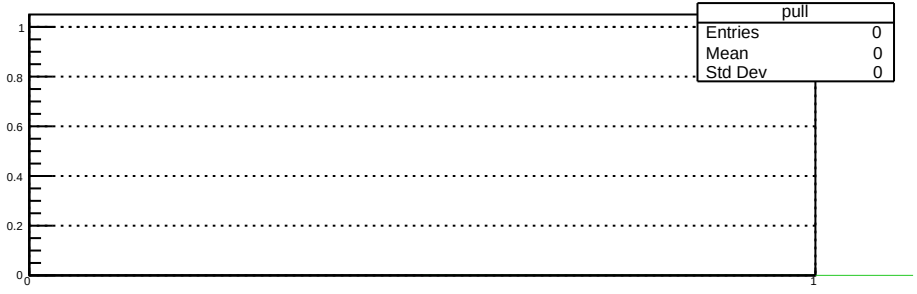

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

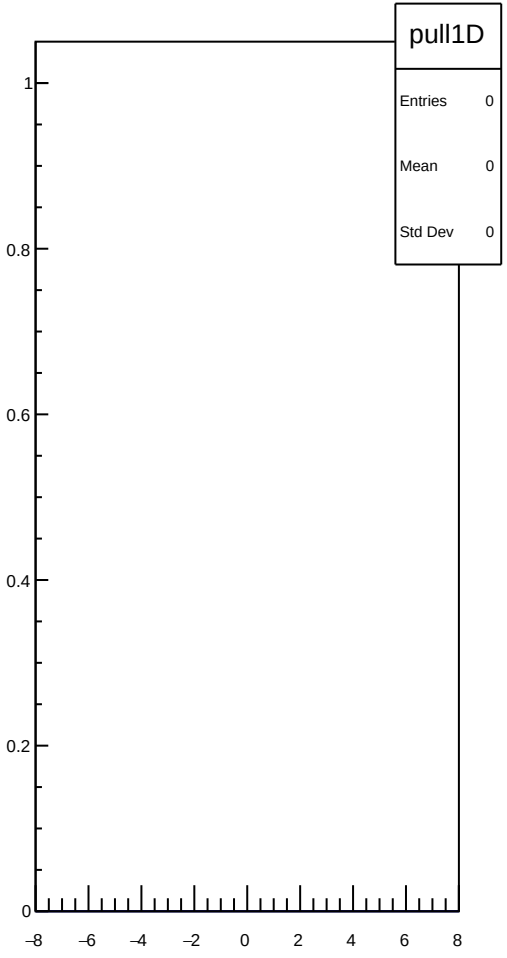

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

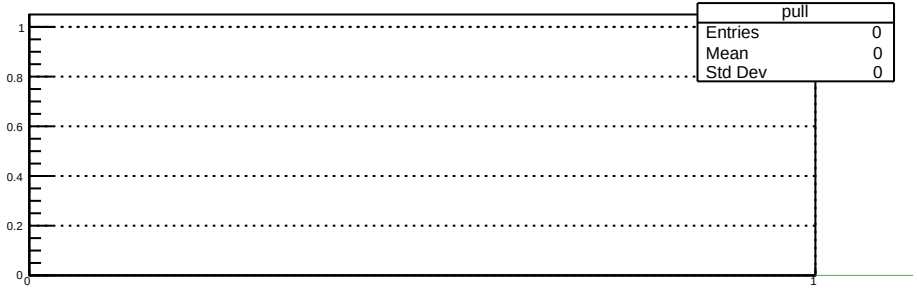

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

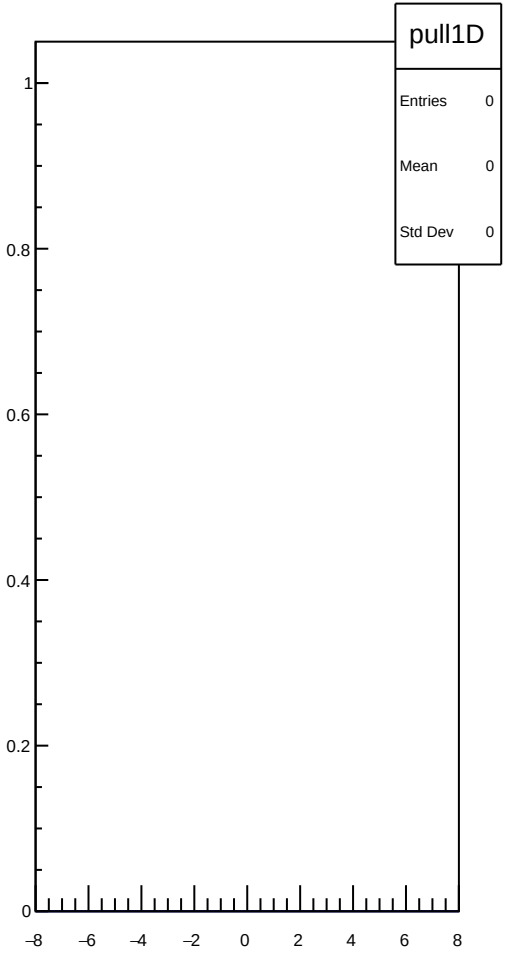

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

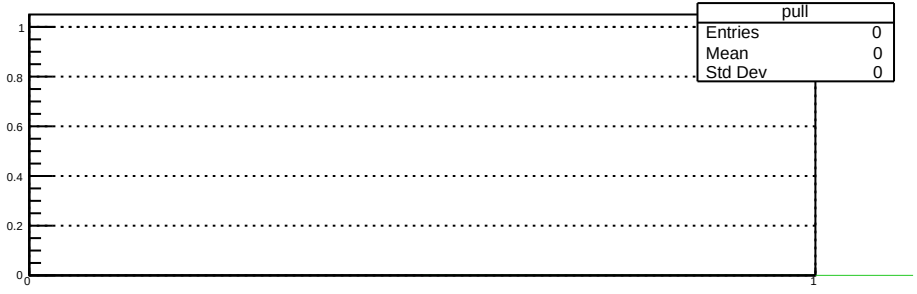

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
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4
6
8

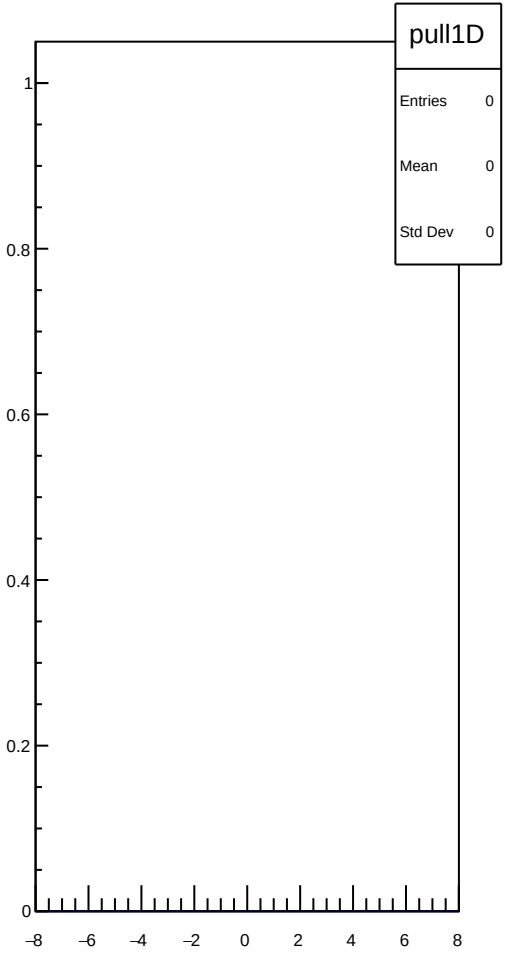

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

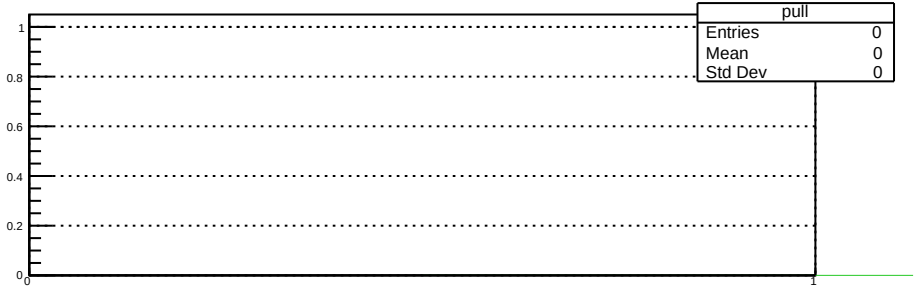

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
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–4
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6
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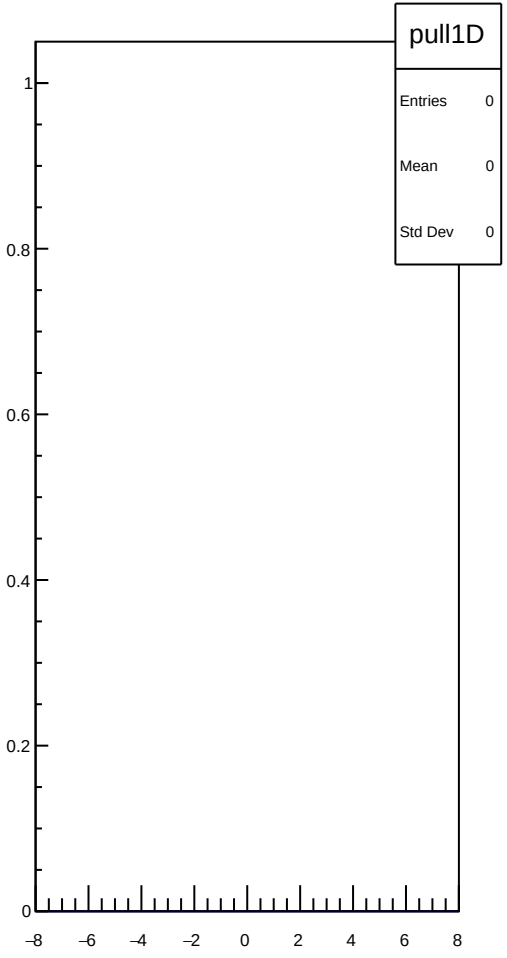

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

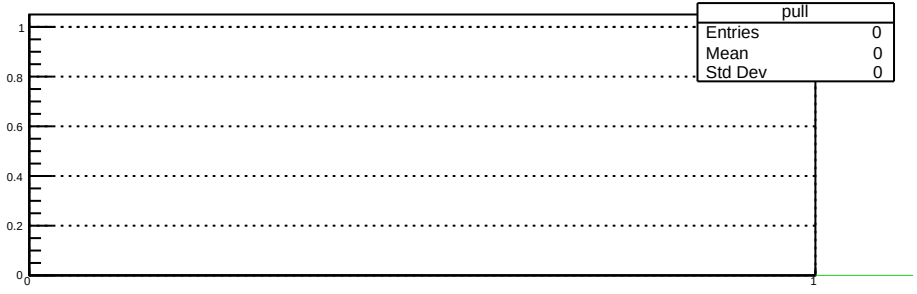

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

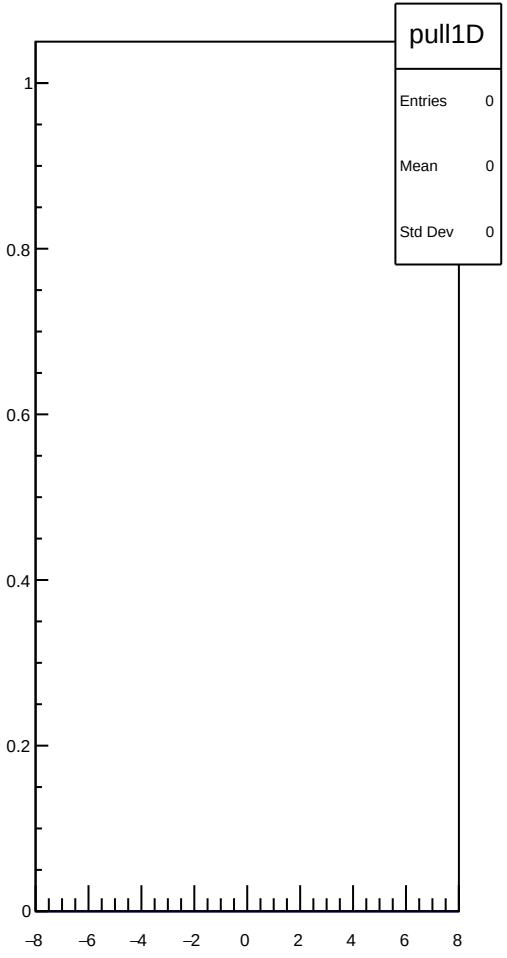

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

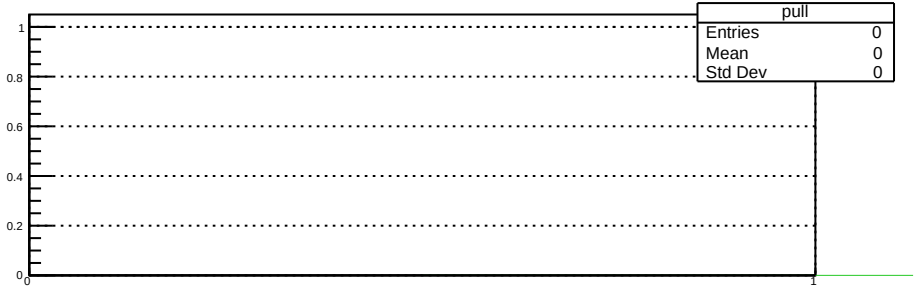

pull1D
Entries 0
Mean 0
Std Dev 0
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0.8
0.6
0.4
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–8
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–4
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4
6
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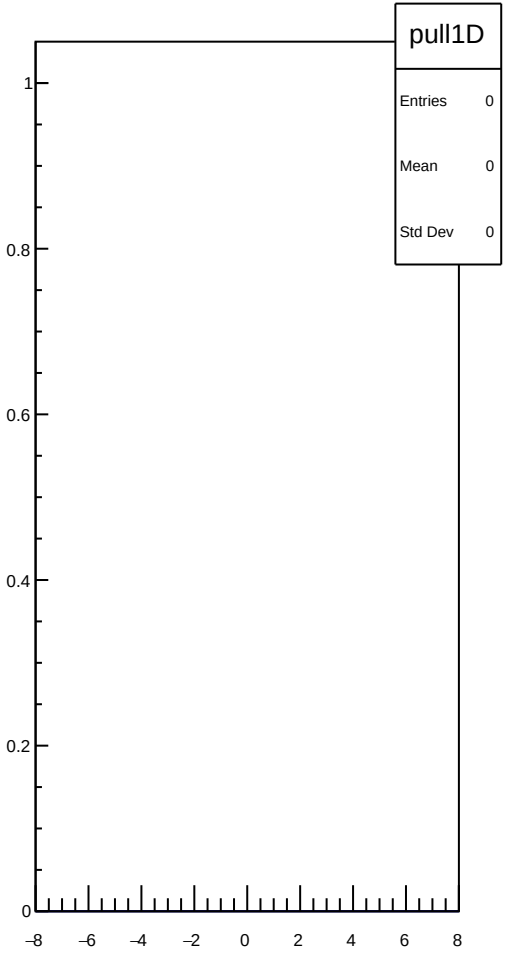

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

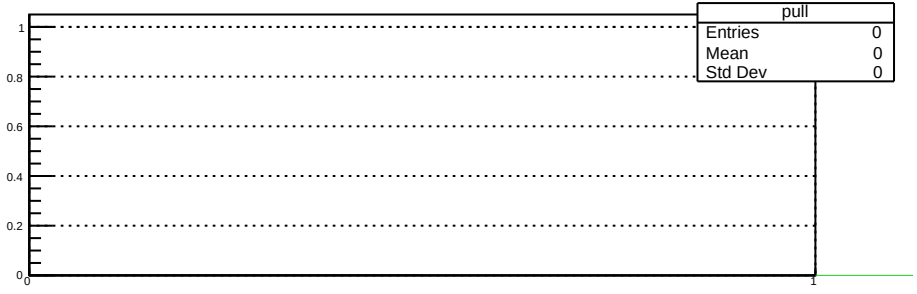

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

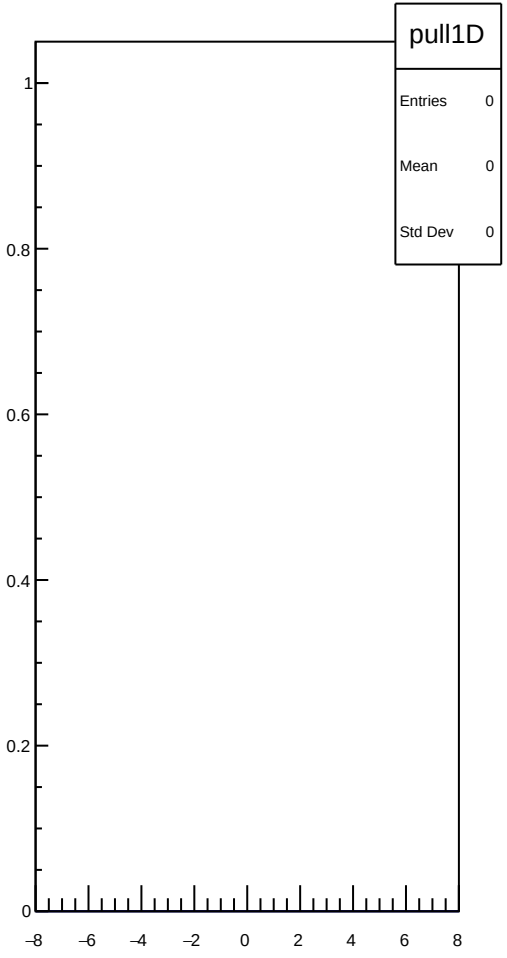

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

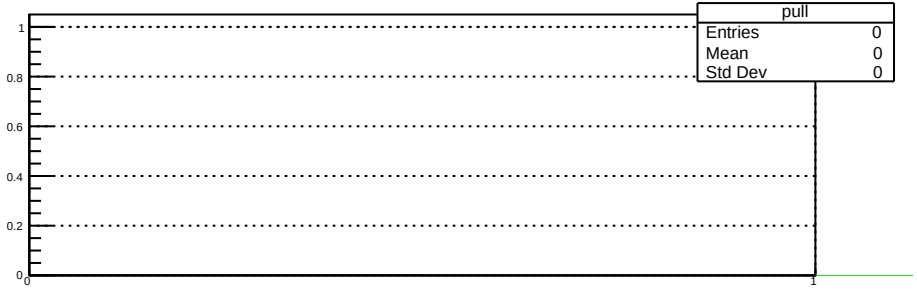

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

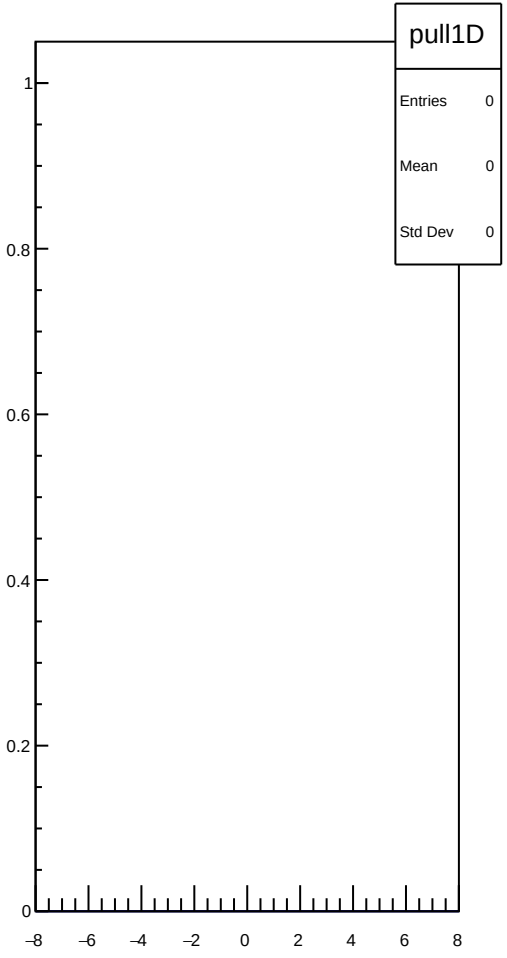

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
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1

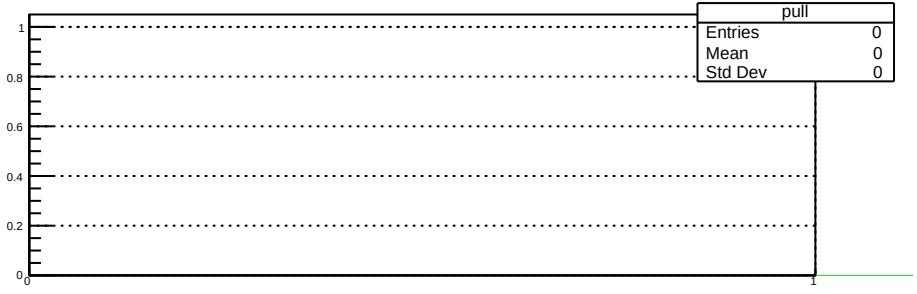

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
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–8
–6
–4
–2
0
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4
6
8

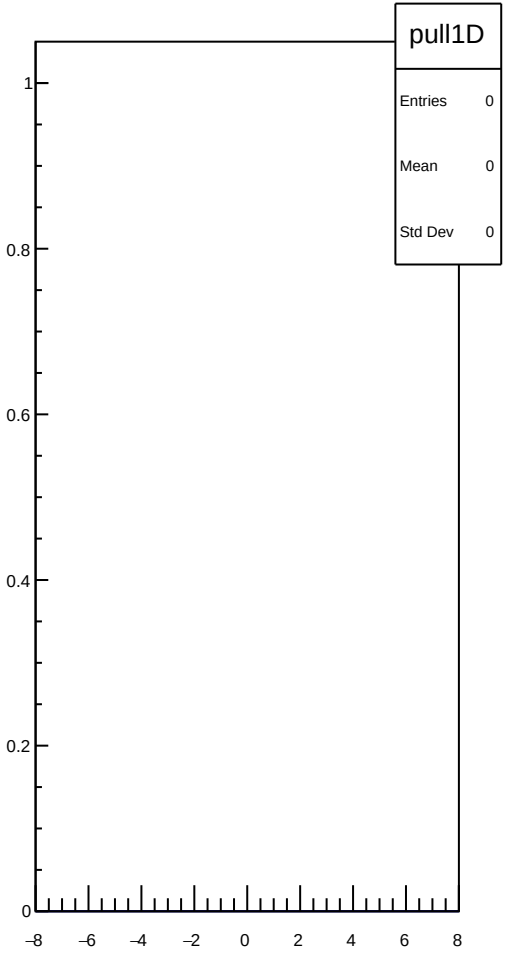

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
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0
1

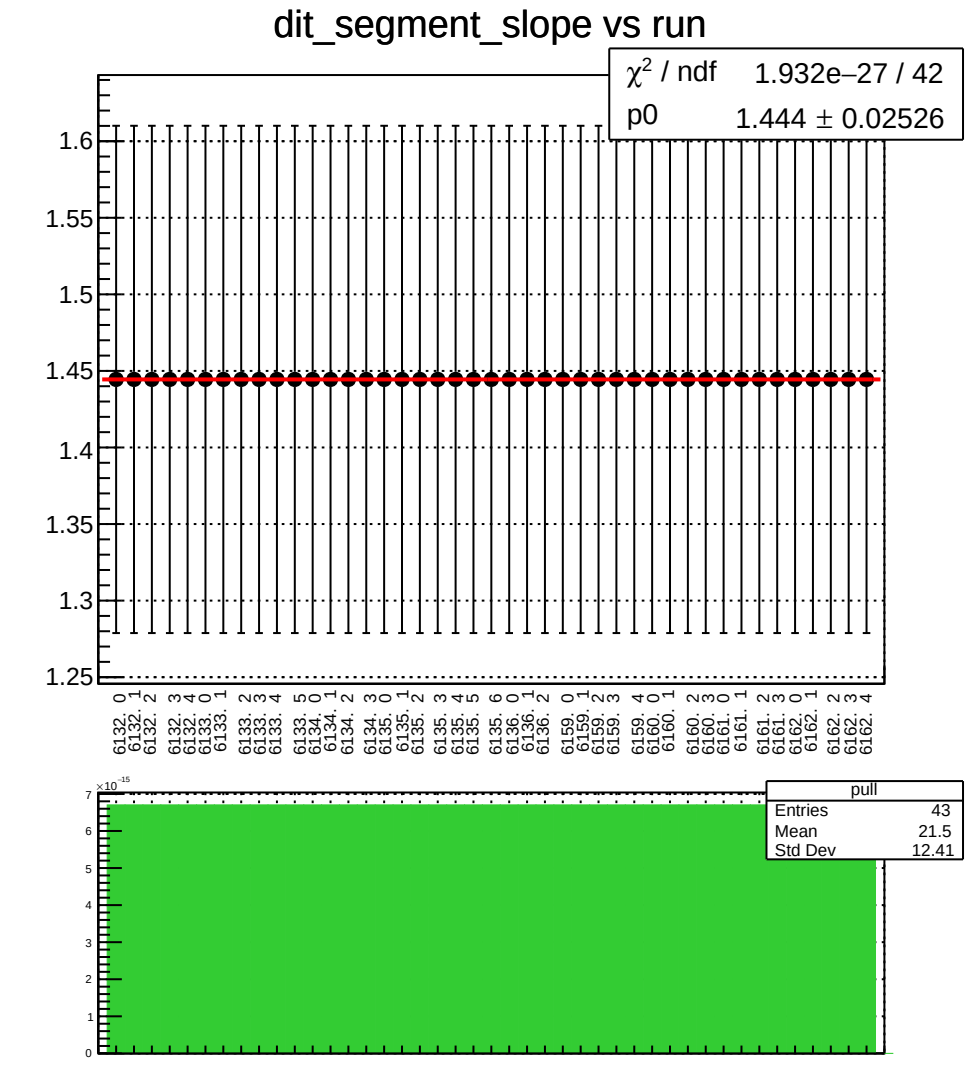

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
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–8
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–4
–2
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2
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6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

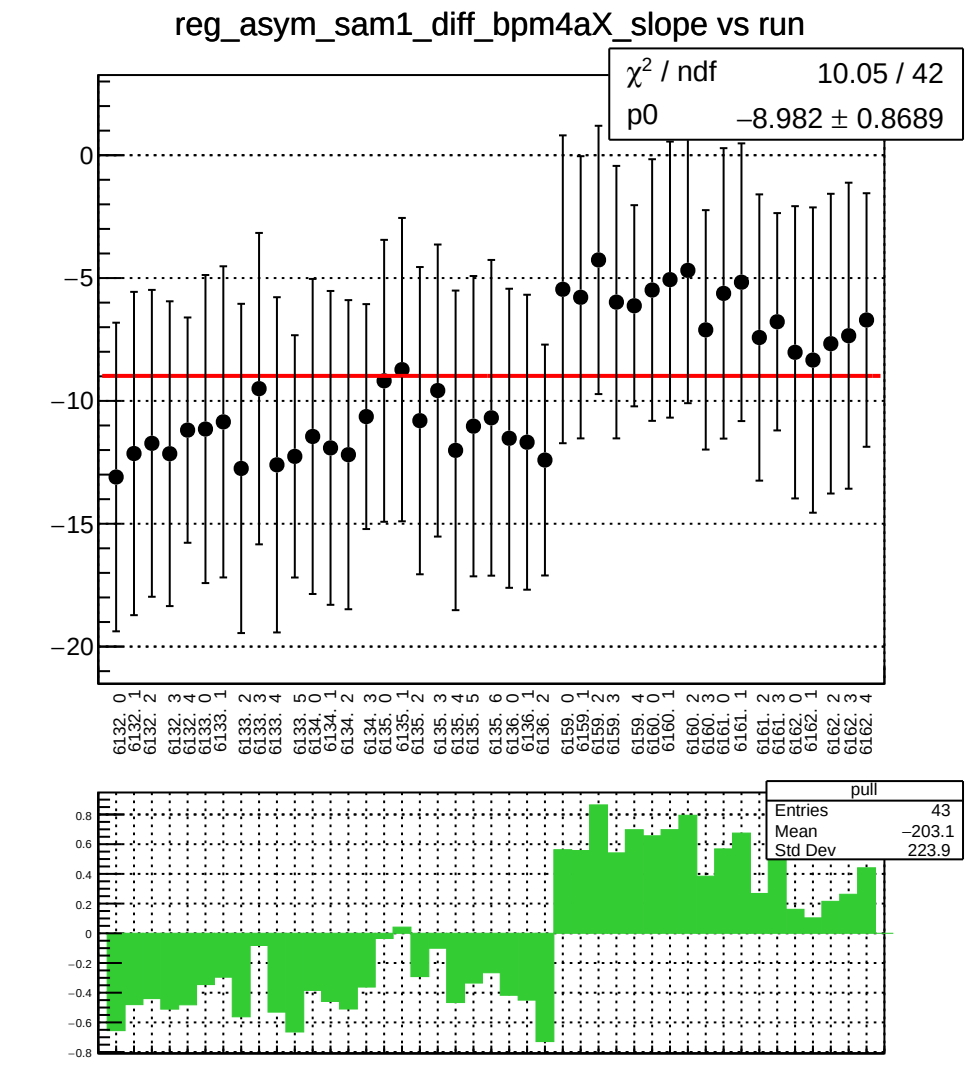

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

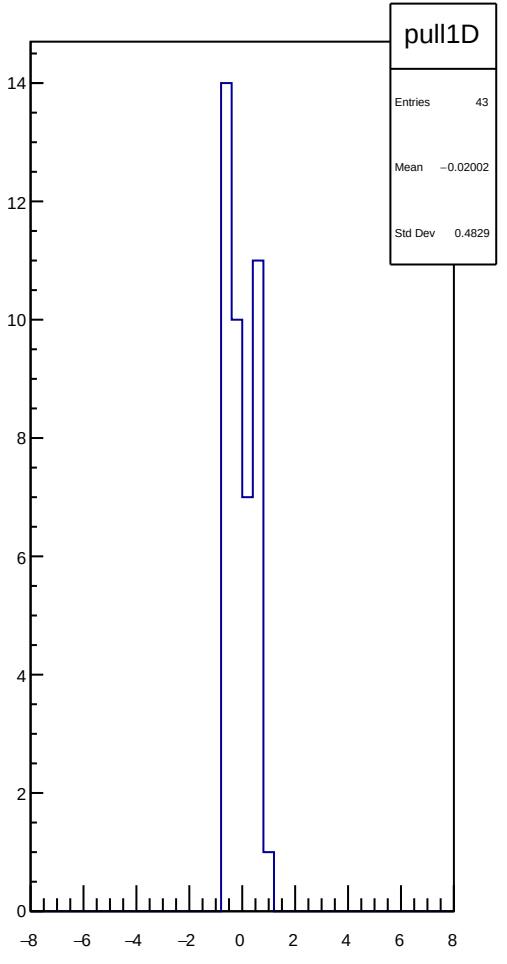

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

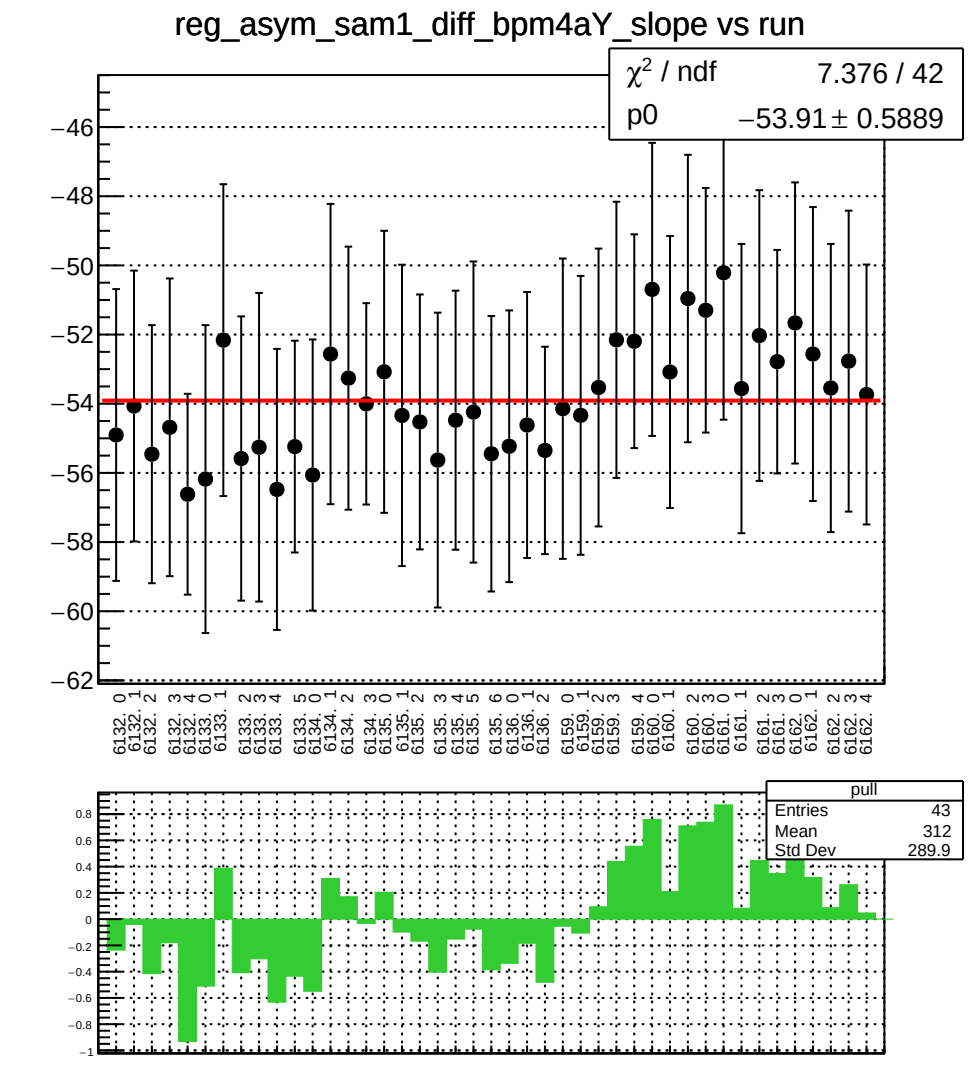

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

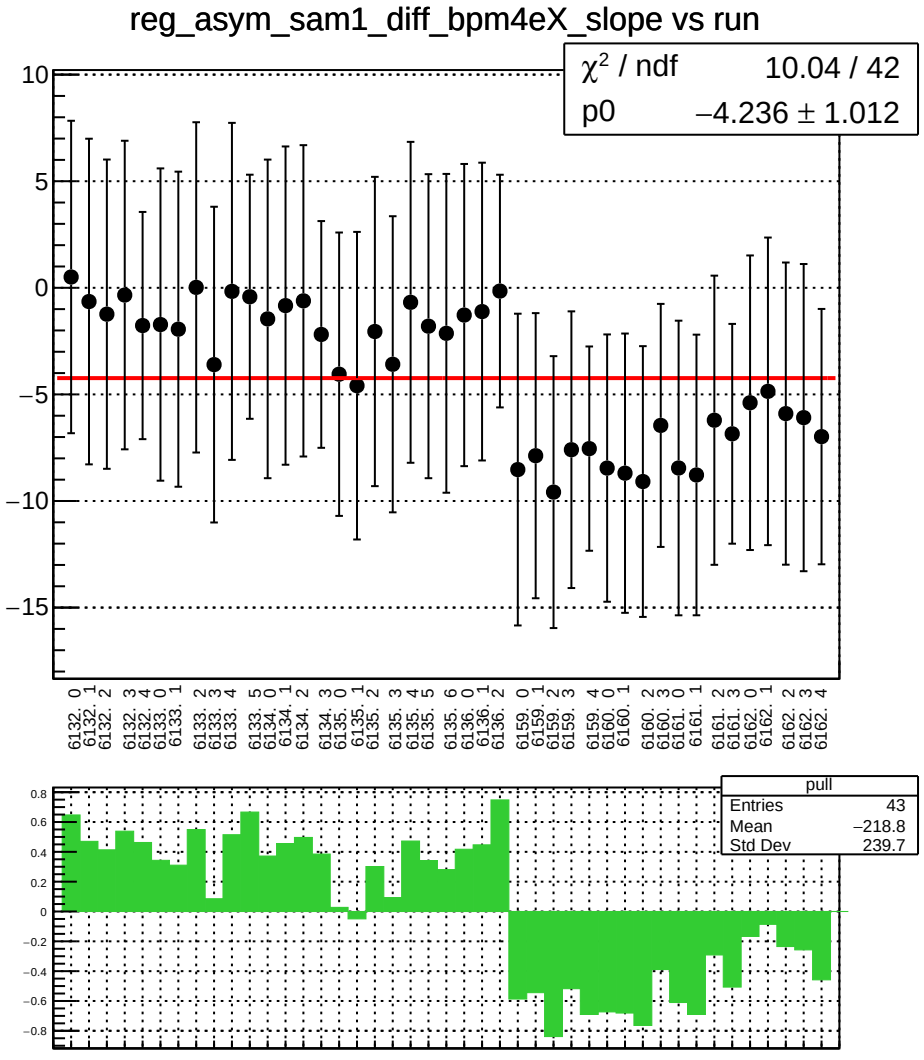

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

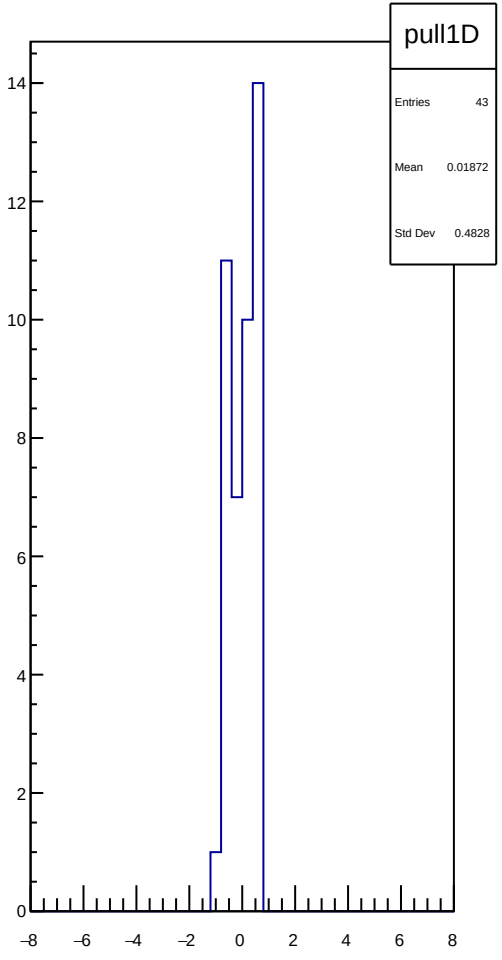

dit_segment_slope vs run
χ² / ndf 1.932e−27 / 42
p0 1.444 ± 0.02526
1.6
1.55
1.5
1.45
1.4
1.35
1.3
1.25
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
×10⁻�15
7
6
5
4
3
2
1
0
pull
Entries 43
Mean 21.5
Std Dev 12.41
pull1D
Entries 43
Mean 6.703e−15
Std Dev1.674e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

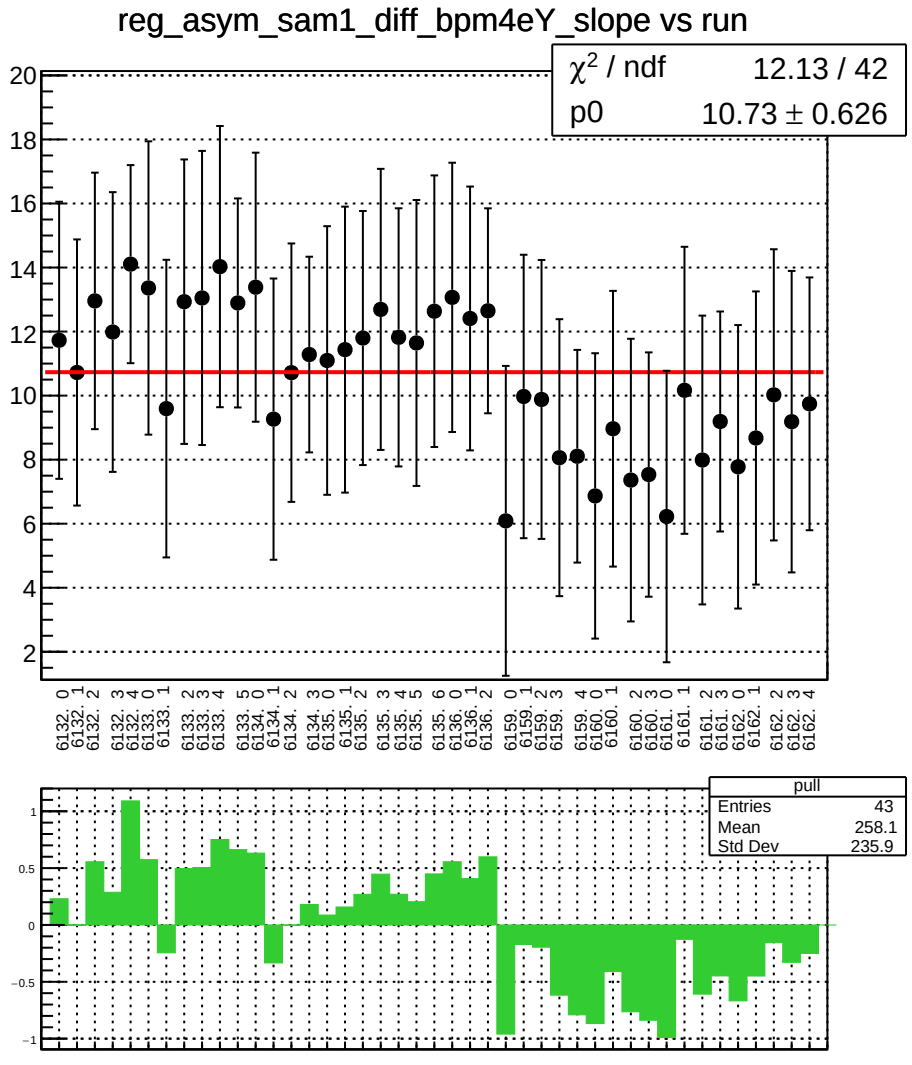

reg_asym_sam1_diff_bpm4aX_slope vs run
χ² / ndf 10.05 / 42
p0 −8.982 ± 0.8689
0
−5
−10
−15
−20
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −203.1
Std Dev 223.9
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

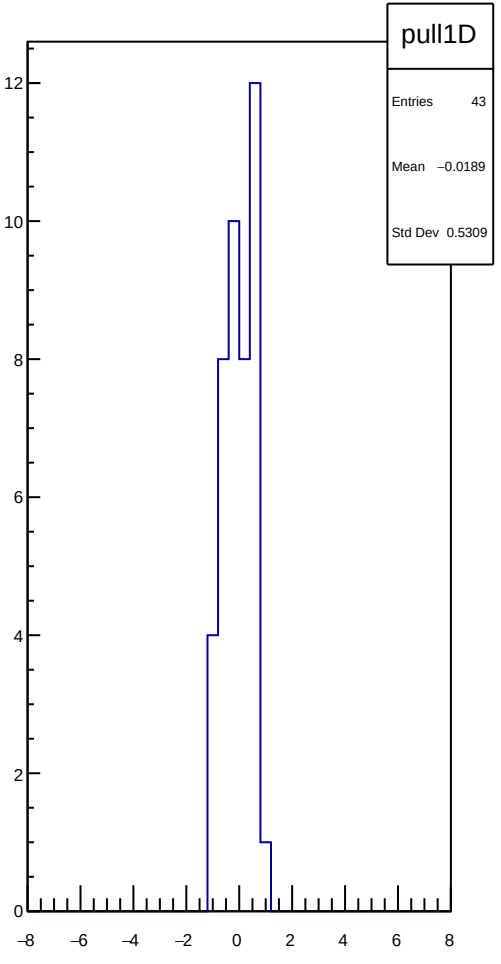

pull1D
Entries 43
Mean −0.02002
Std Dev 0.4829
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

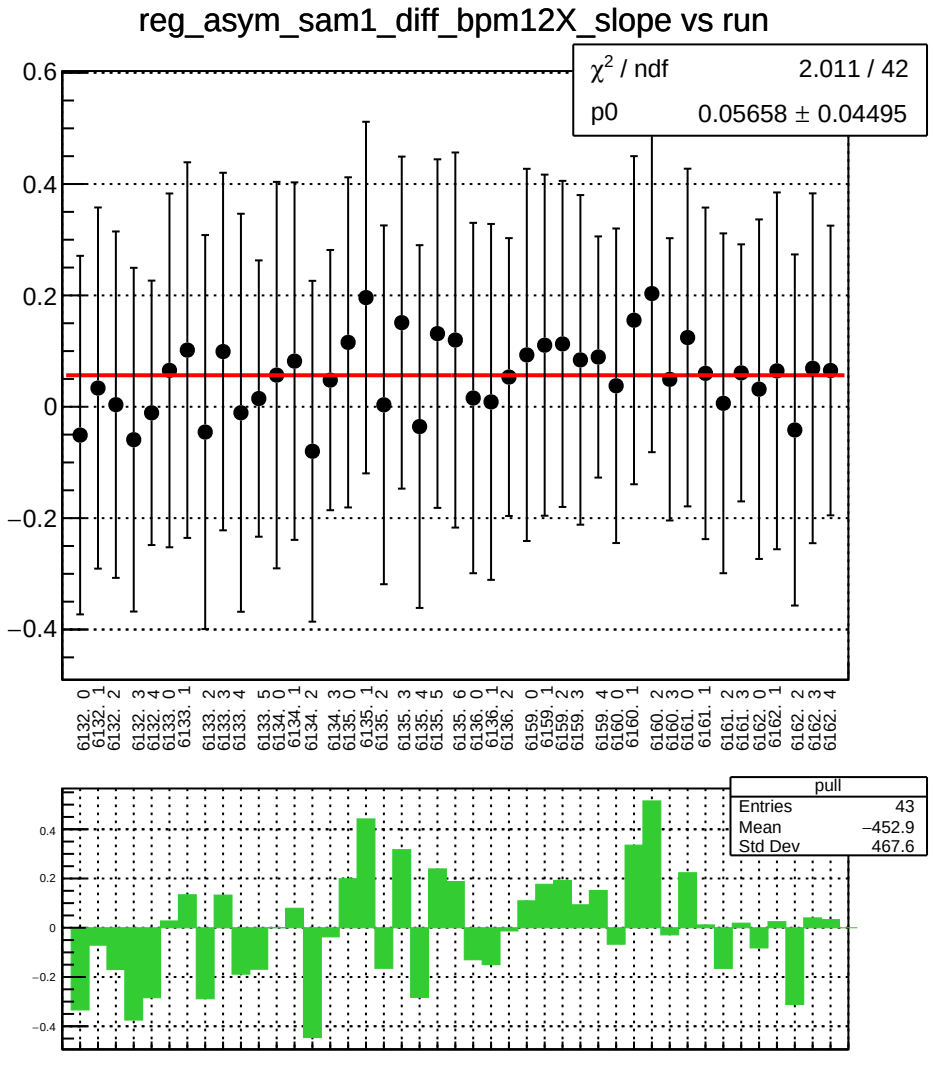

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 7.376 / 42
p0 −53.91 ± 0.5889
−46
−48
−50
−52
−54
−56
−58
−60
−62
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 312
Std Dev 289.9
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 43
Mean 0.0111
Std Dev 0.414
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

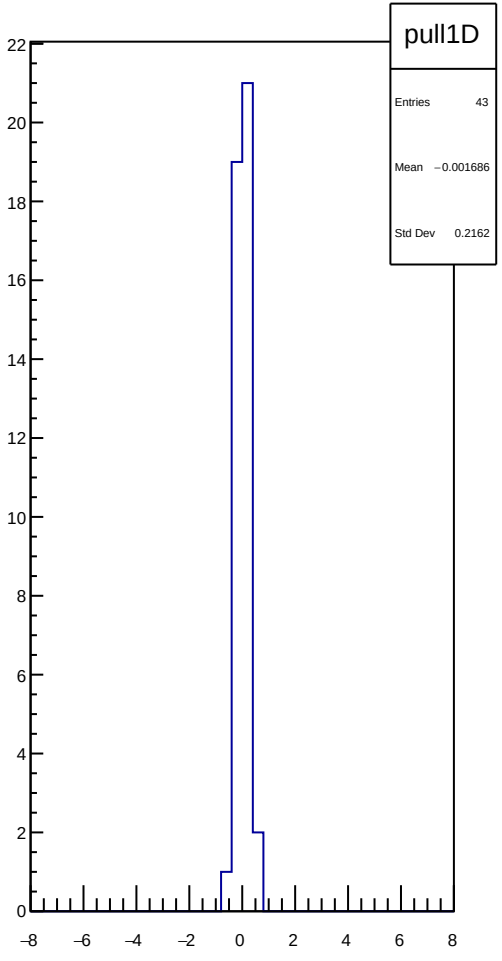

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 10.04 / 42
p0 −4.236 ± 1.012
10
5
0
−5
−10
−15
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −218.8
Std Dev 239.7
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

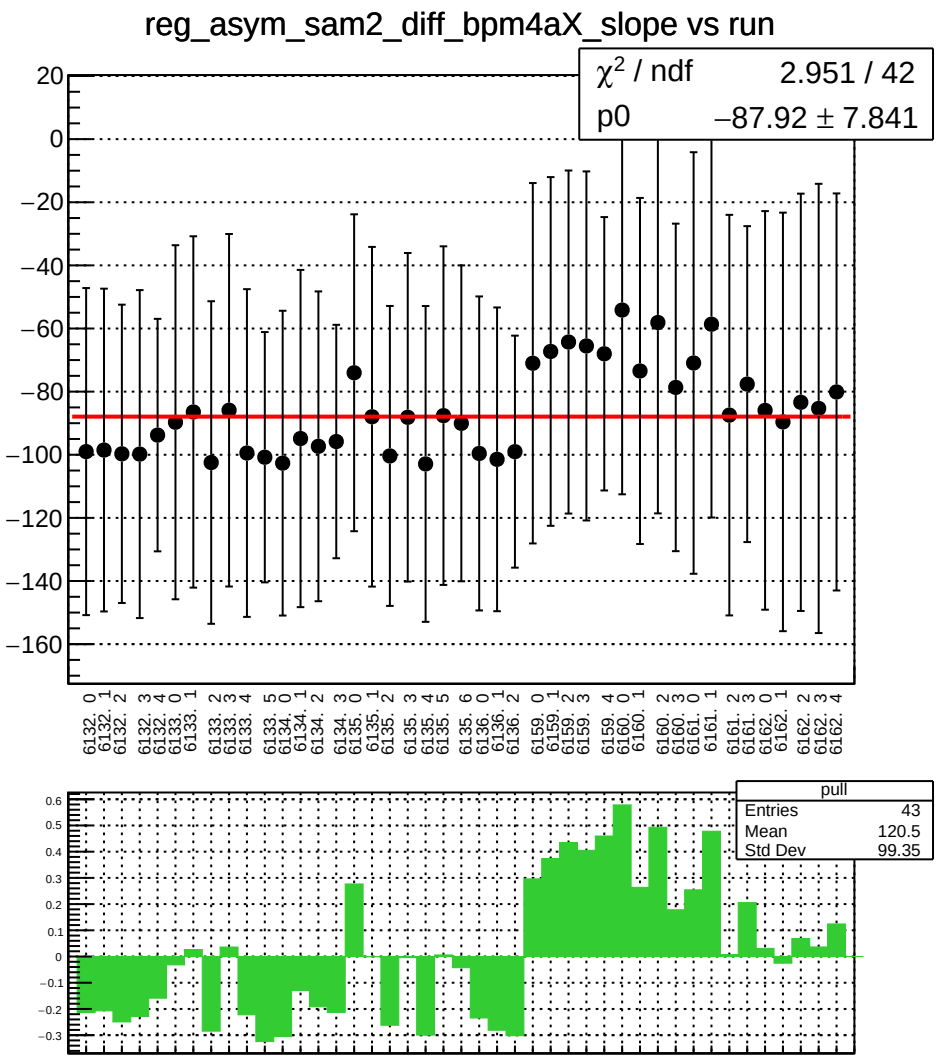

pull1D
Entries 43
Mean 0.01872
Std Dev 0.4828
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

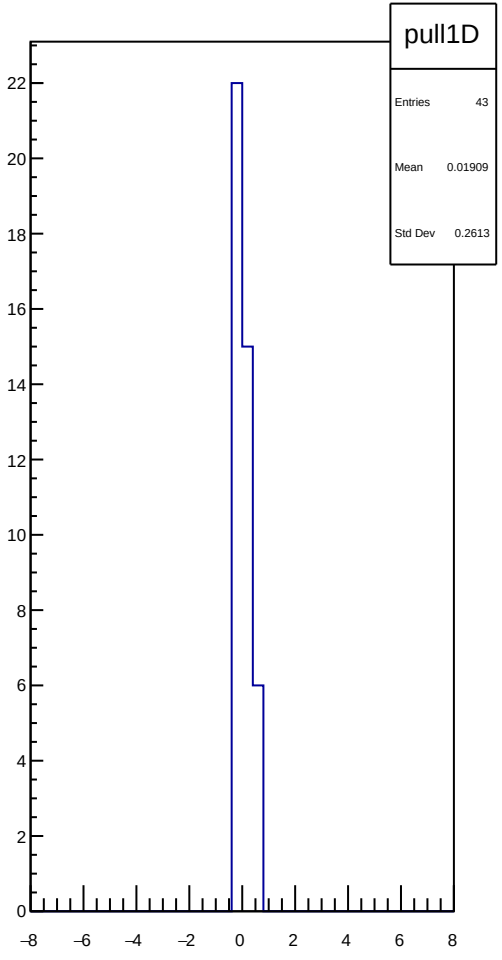

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 12.13 / 42
p0 10.73 ± 0.626
pull
Entries 43
Mean 258.1
Std Dev 235.9

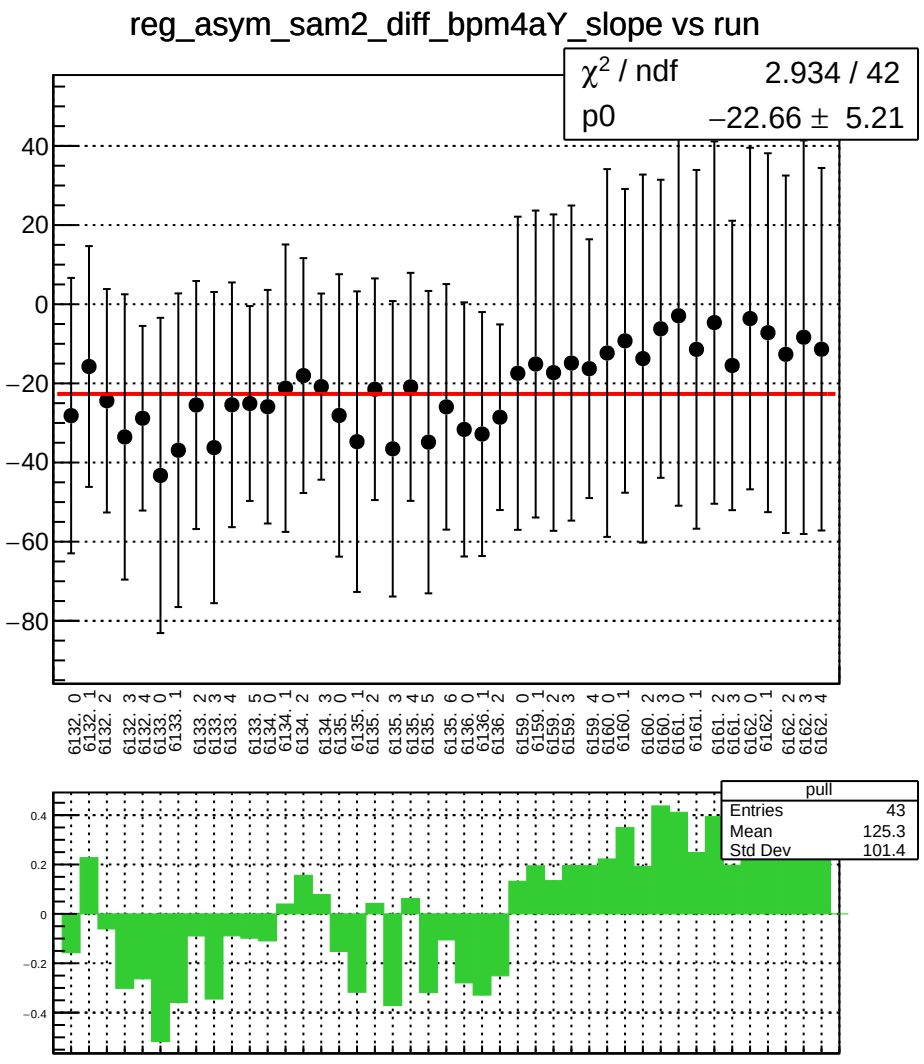

pull1D
Entries 43
Mean −0.0189
Std Dev 0.5309

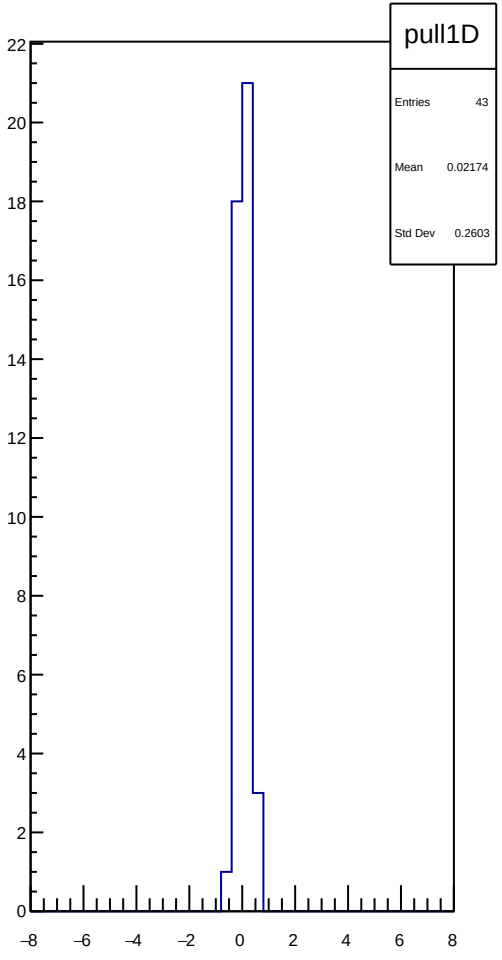

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 2.011 / 42
p0 0.05658 ± 0.04495
pull
Entries 43
Mean −452.9
Std Dev 467.6

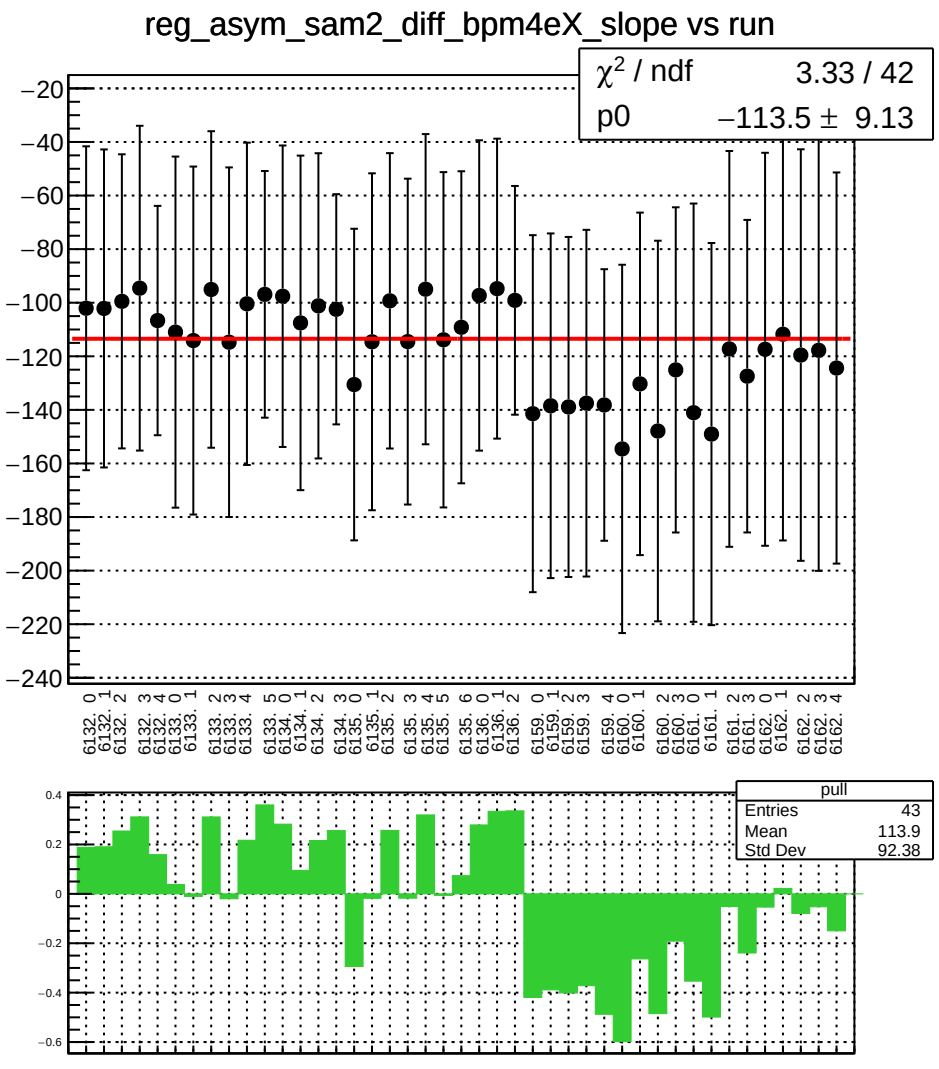

pull1D
Entries 43
Mean −0.001686
Std Dev 0.2162

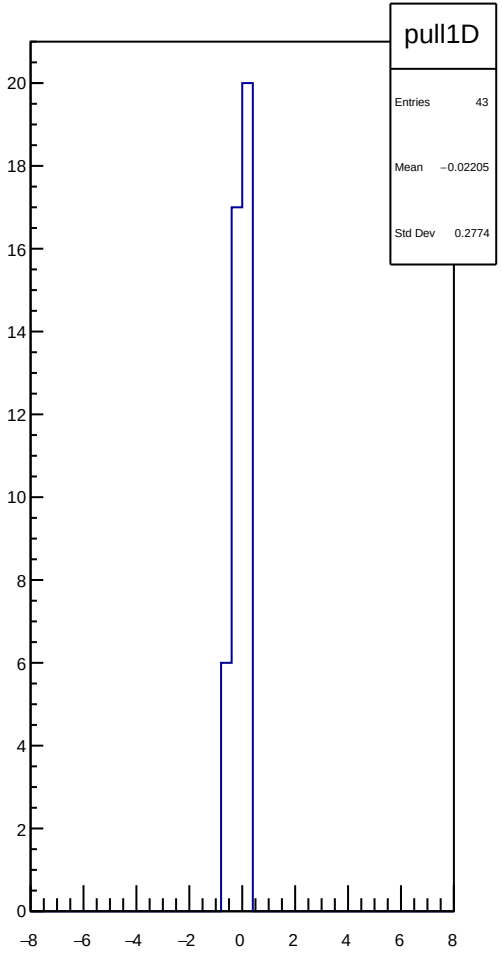

reg_asym_sam2_diff_bpm4aX_slope vs run
χ² / ndf 2.951 / 42
p0 −87.92 ± 7.841
pull
Entries 43
Mean 120.5
Std Dev 99.35

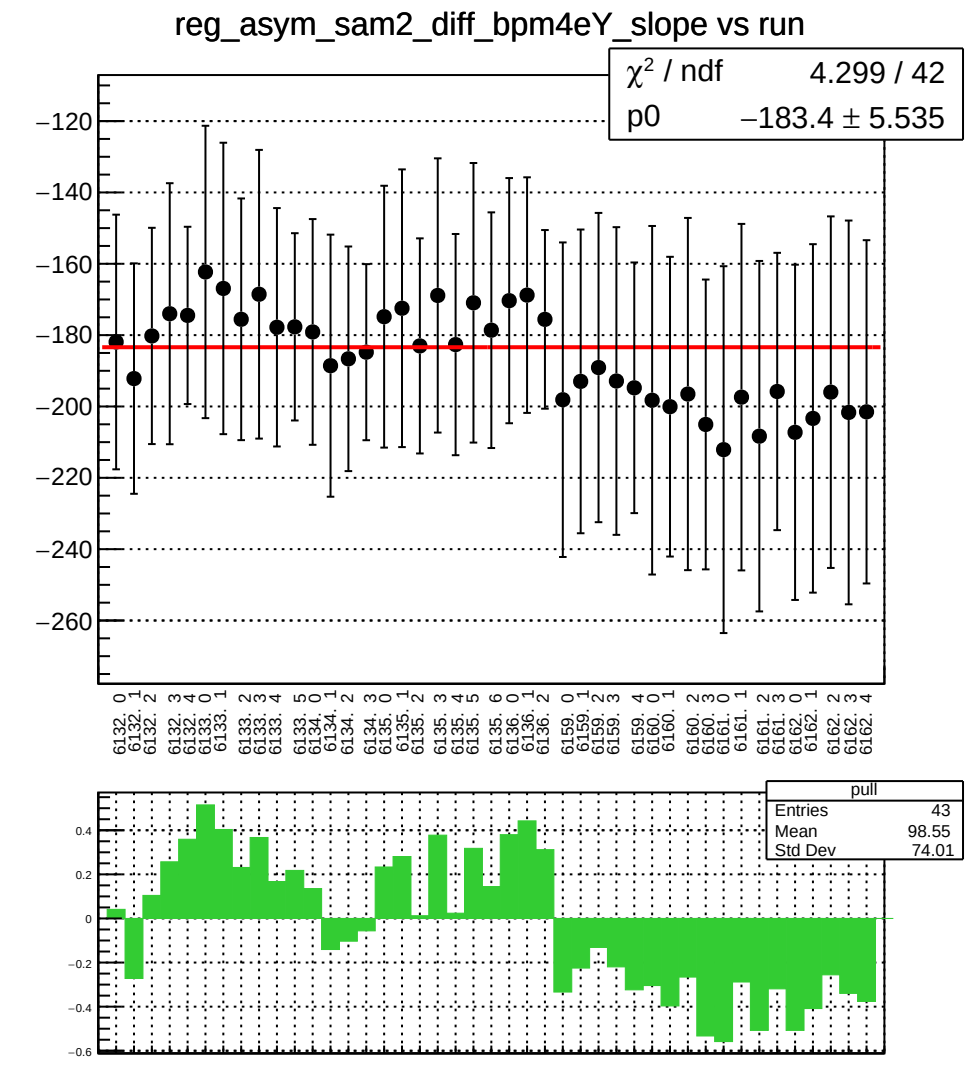

pull1D
Entries 43
Mean 0.01909
Std Dev 0.2613

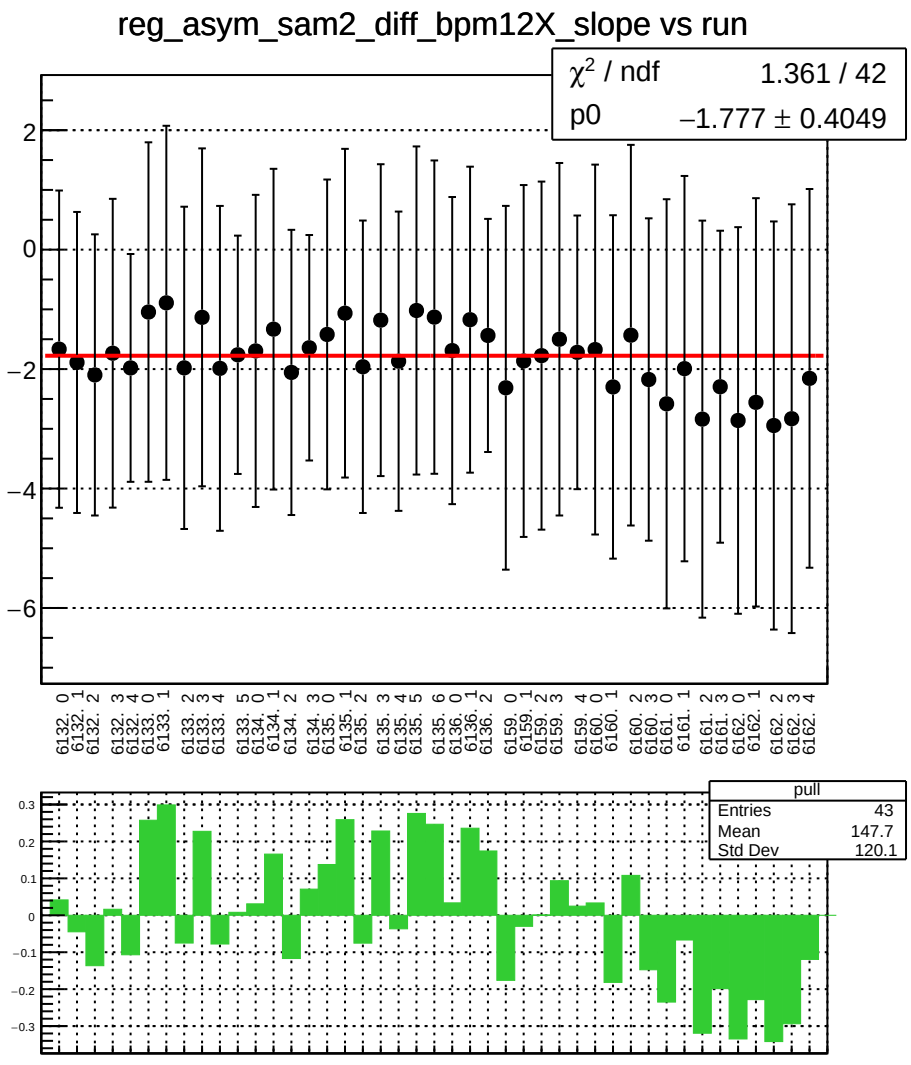

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 2.934 / 42
p0 −22.66 ± 5.21
40
20
0
−20
−40
−60
−80
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 125.3
Std Dev 101.4
0.4
0.2
0
−0.2
−0.4

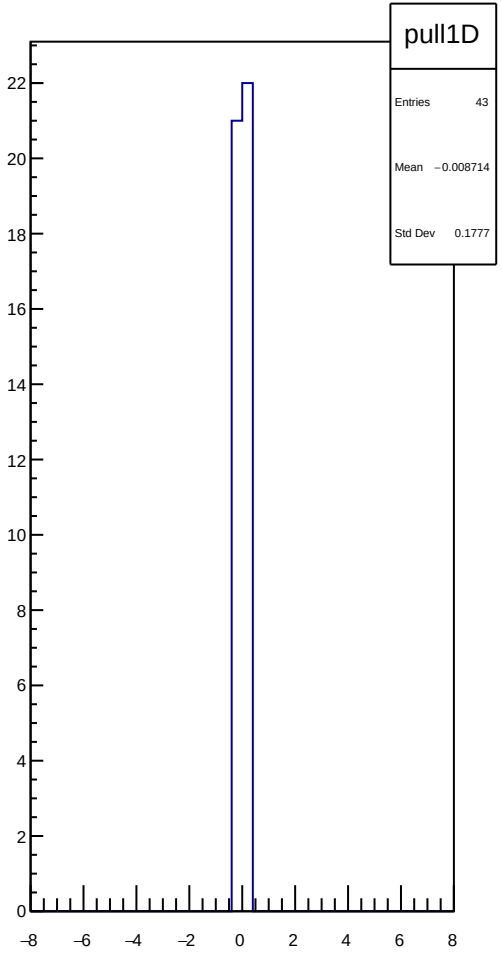

pull1D
Entries 43
Mean 0.02174
Std Dev 0.2603
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

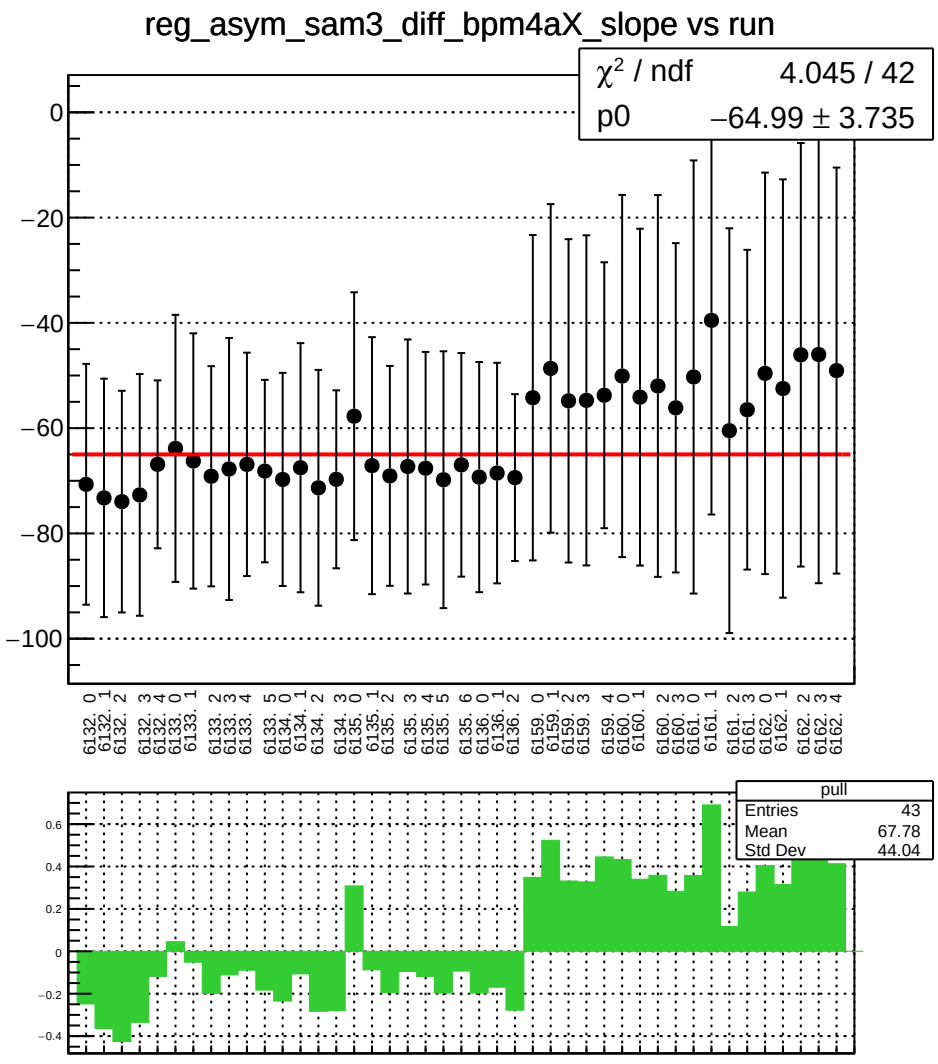

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 3.33 / 42
p0 −113.5 ± 9.13
pull
Entries 43
Mean 113.9
Std Dev 92.38

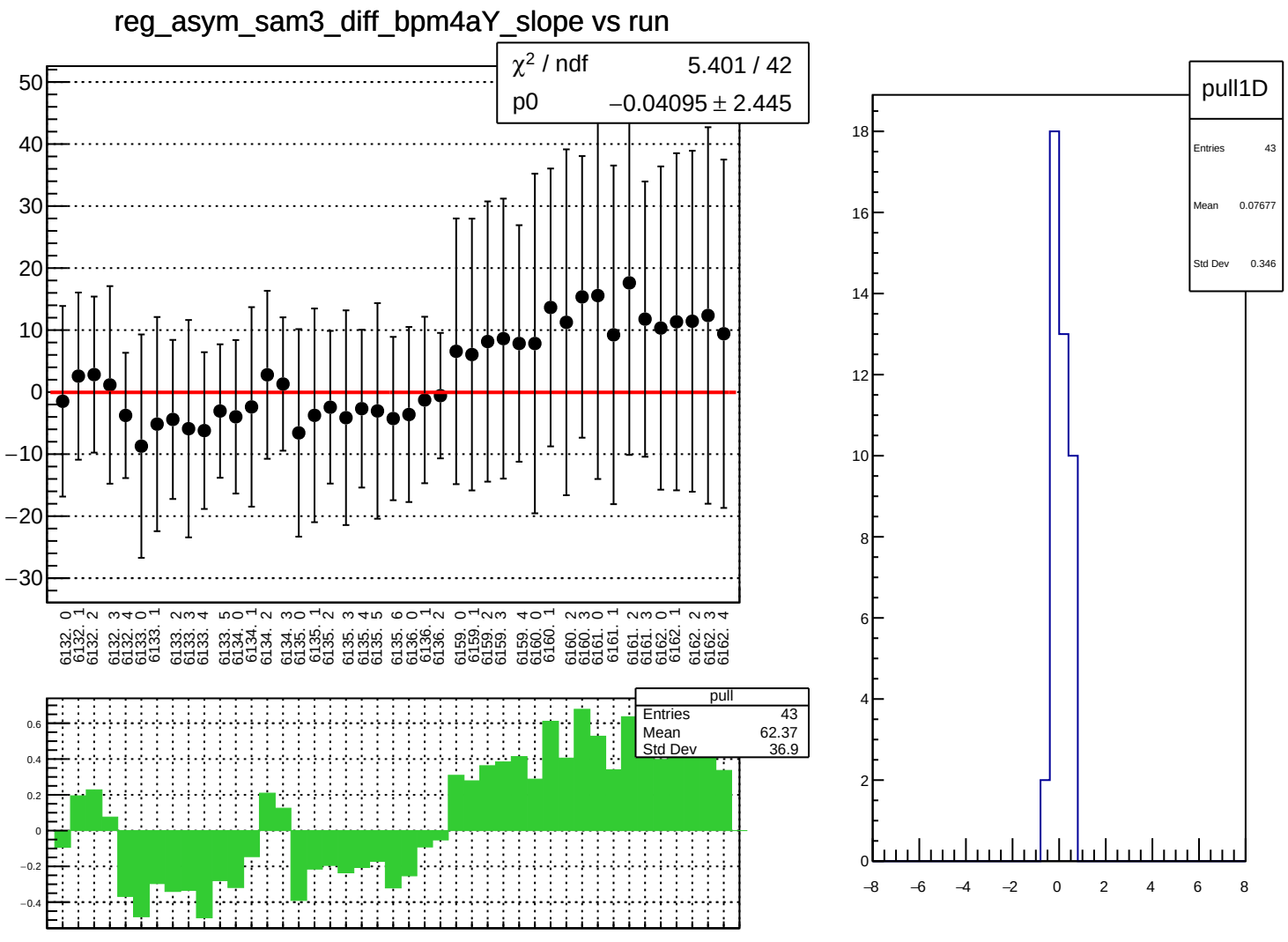

pull1D
Entries 43
Mean −0.02205
Std Dev 0.2774

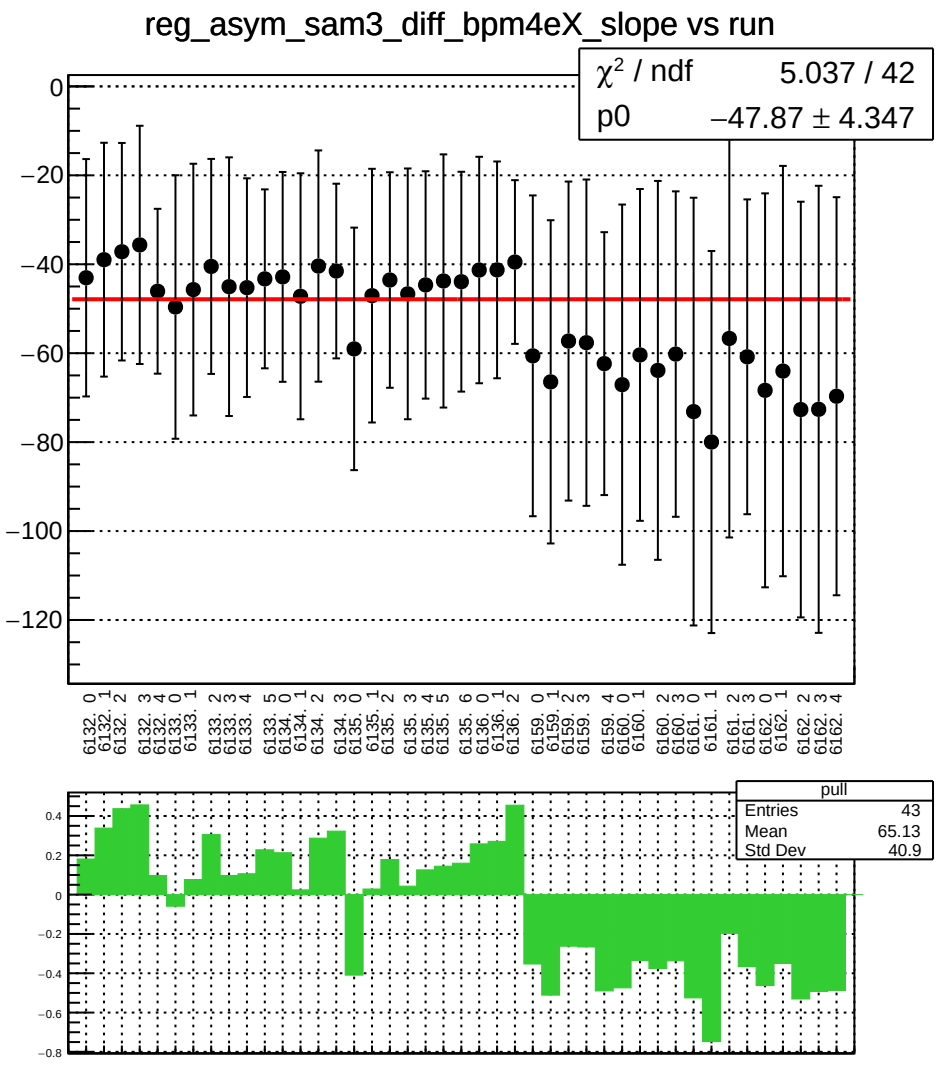

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 4.299 / 42
p0 −183.4 ± 5.535
−120
−140
−160
−180
−200
−220
−240
−260
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 98.55
Std Dev 74.01
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 43
Mean −0.03586
Std Dev 0.3142
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

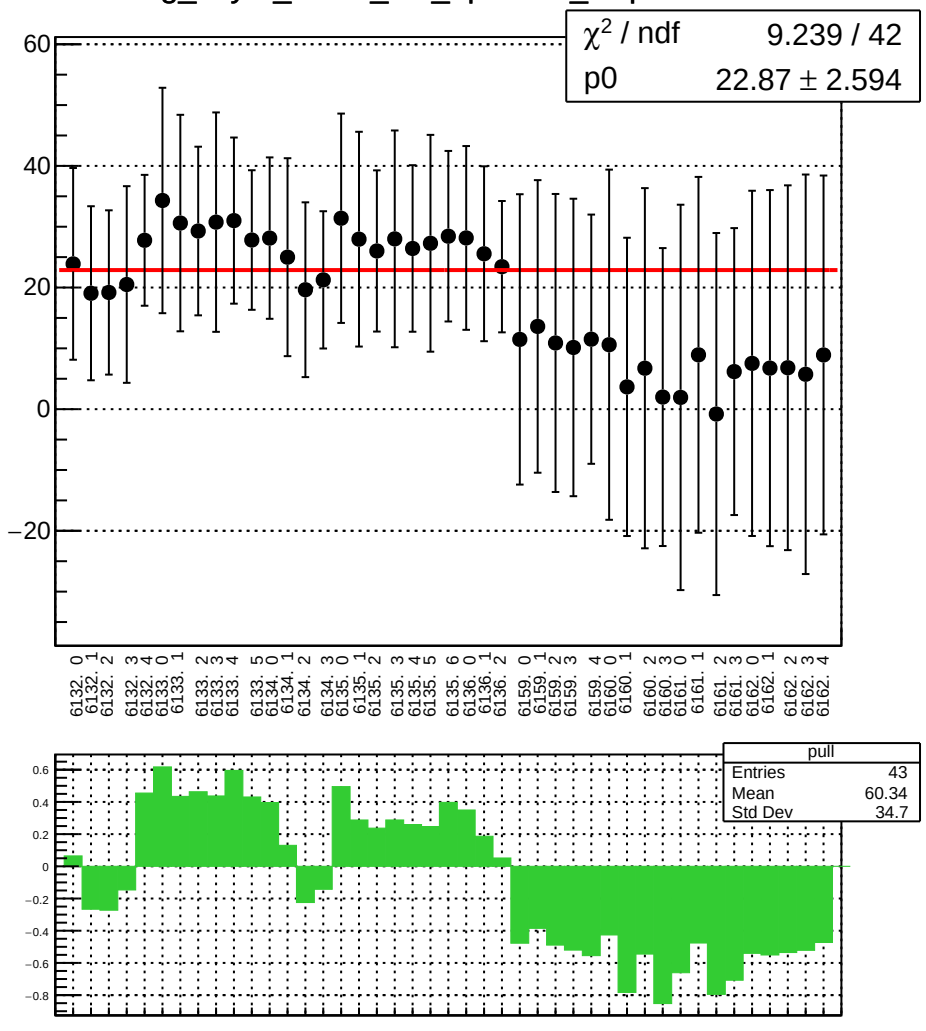

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 1.361 / 42
p0 −1.777 ± 0.4049
pull
Entries 43
Mean 147.7
Std Dev 120.1

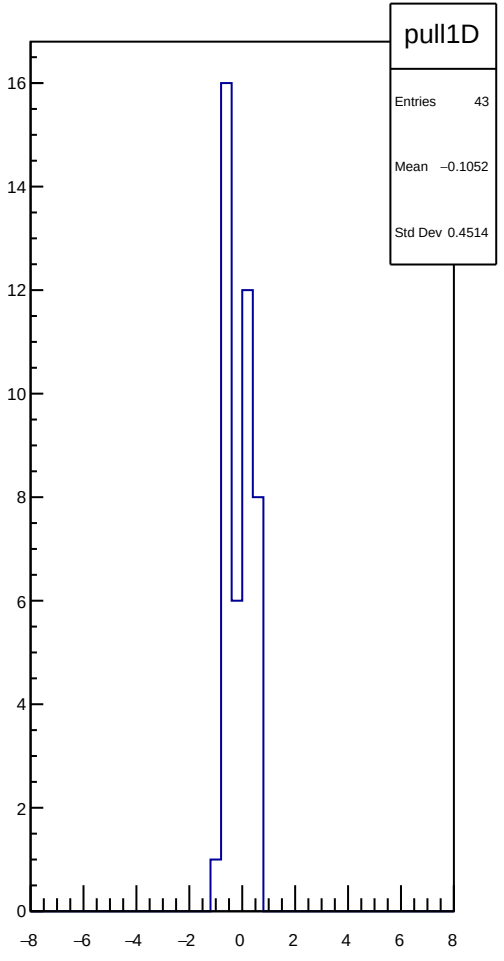

pull1D
Entries 43
Mean −0.008714
Std Dev 0.1777

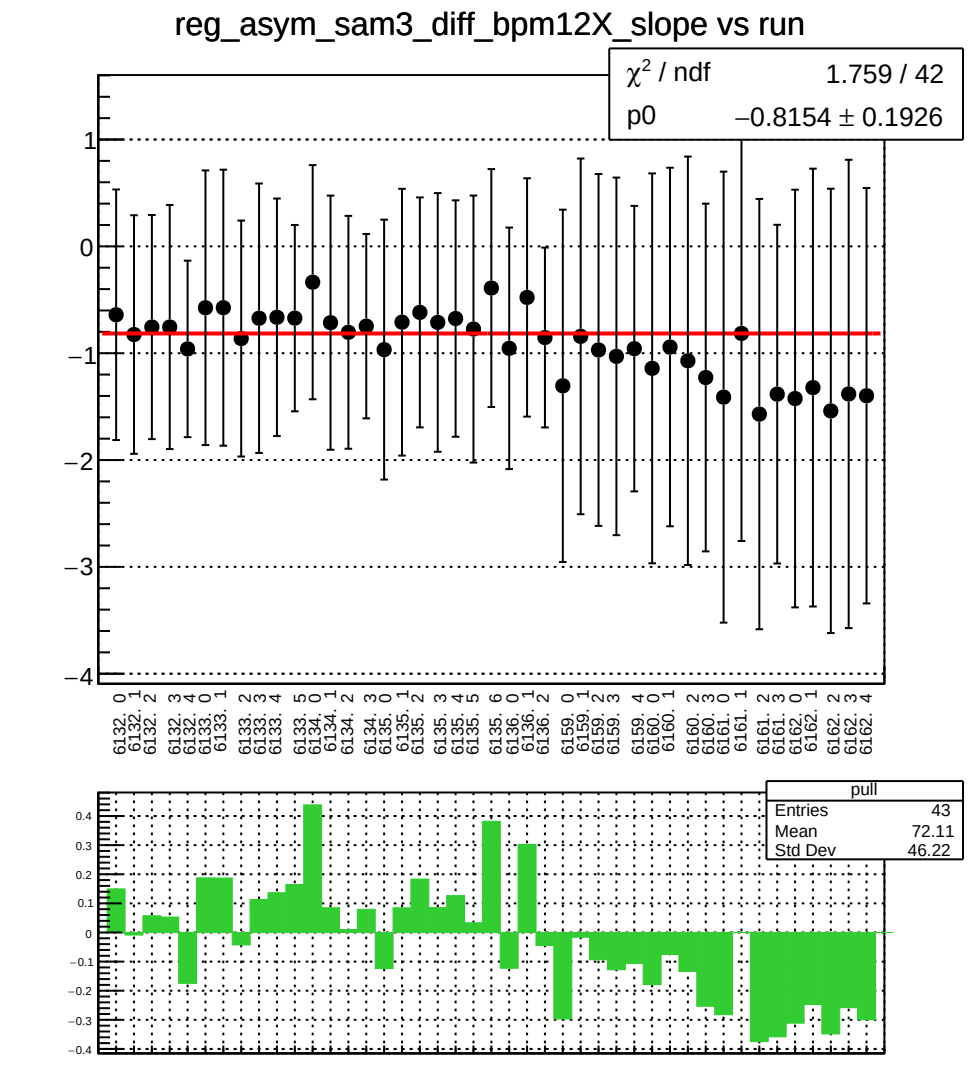

reg_asym_sam3_diff_bpm4aX_slope vs run
χ² / ndf 4.045 / 42
p0 −64.99 ± 3.735
0
−20
−40
−60
−80
−100
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 67.78
Std Dev 44.04
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 43
Mean 0.0644
Std Dev 0.2999
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

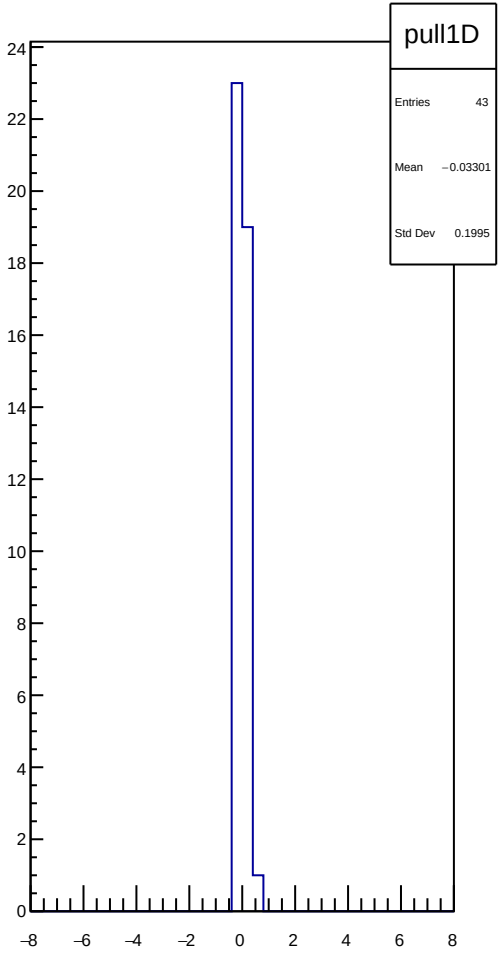

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 5.401 / 42
p0 −0.04095 ± 2.445
pull
Entries 43
Mean 62.37
Std Dev 36.9
pull1D
Entries 43
Mean 0.07677
Std Dev 0.346

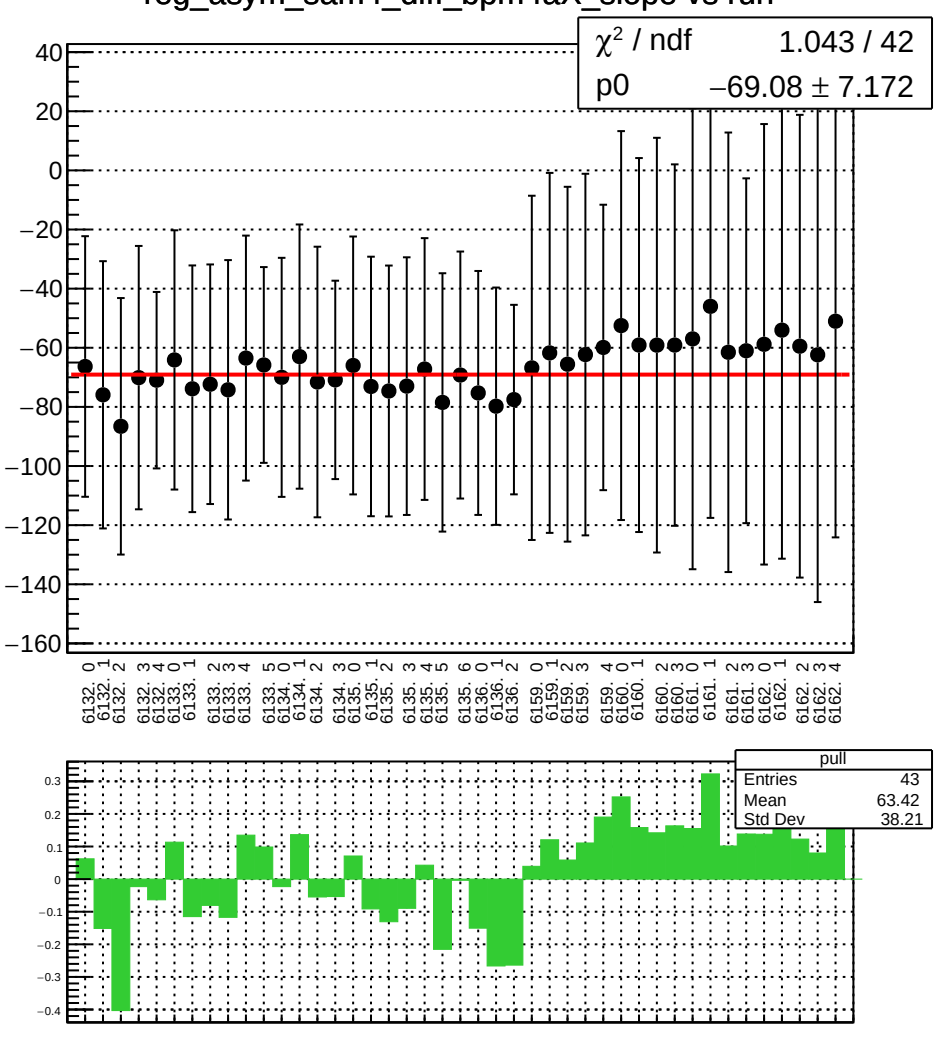

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 5.037 / 42
p0 −47.87 ± 4.347
0
−20
−40
−60
−80
−100
−120
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 65.13
Std Dev 40.9
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 43
Mean −0.07434
Std Dev 0.3341
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

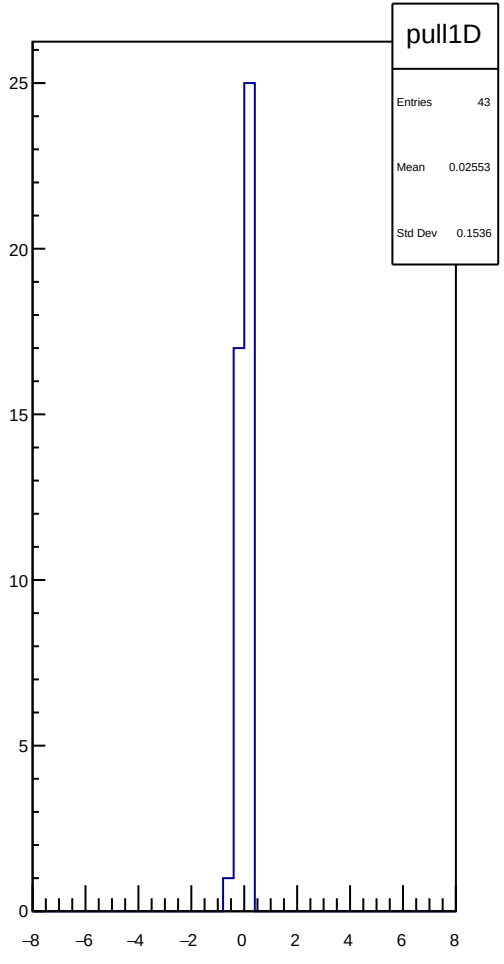

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 9.239 / 42
p0 22.87 ± 2.594
pull
Entries 43
Mean 60.34
Std Dev 34.7

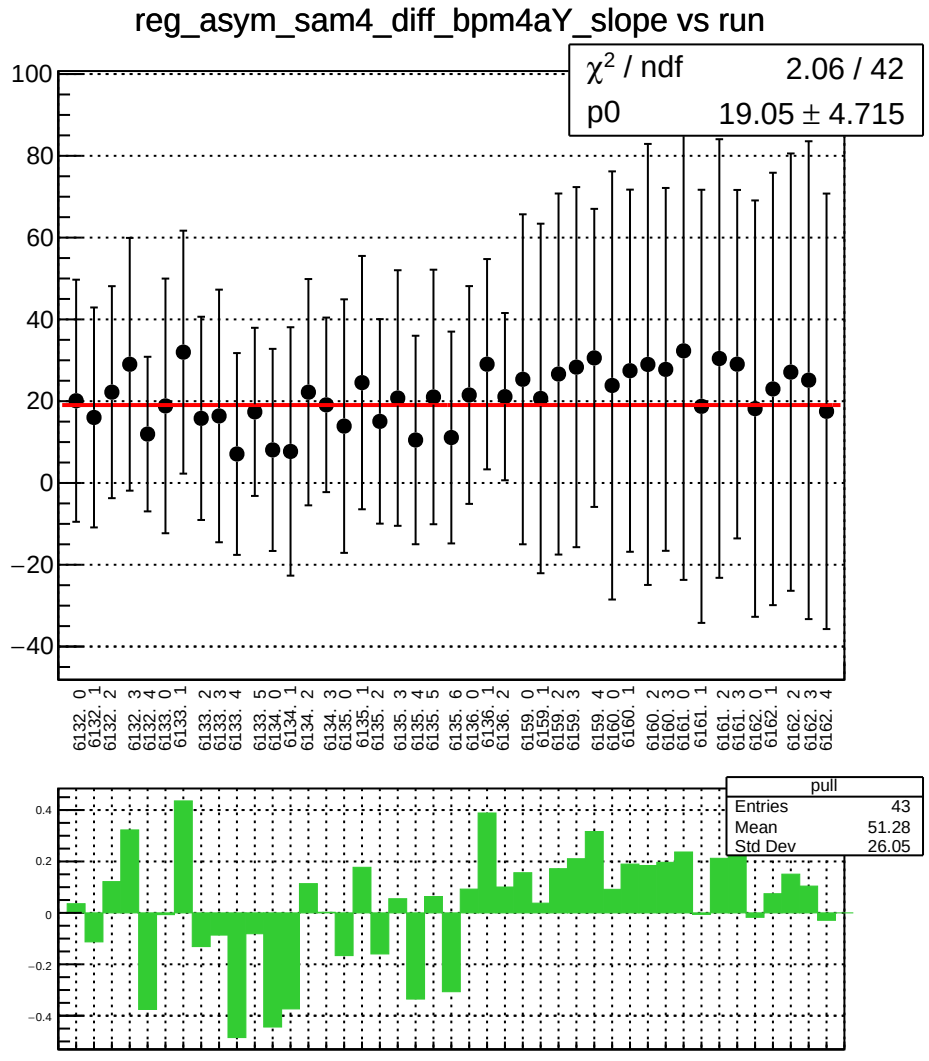

pull1D
Entries 43
Mean −0.1052
Std Dev 0.4514

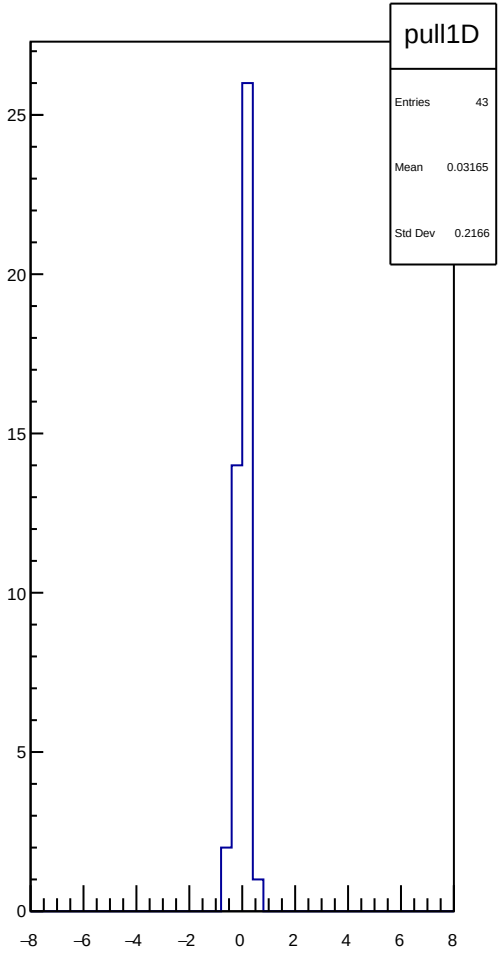

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 1.759 / 42
p0 −0.8154 ± 0.1926
pull
Entries 43
Mean 72.11
Std Dev 46.22

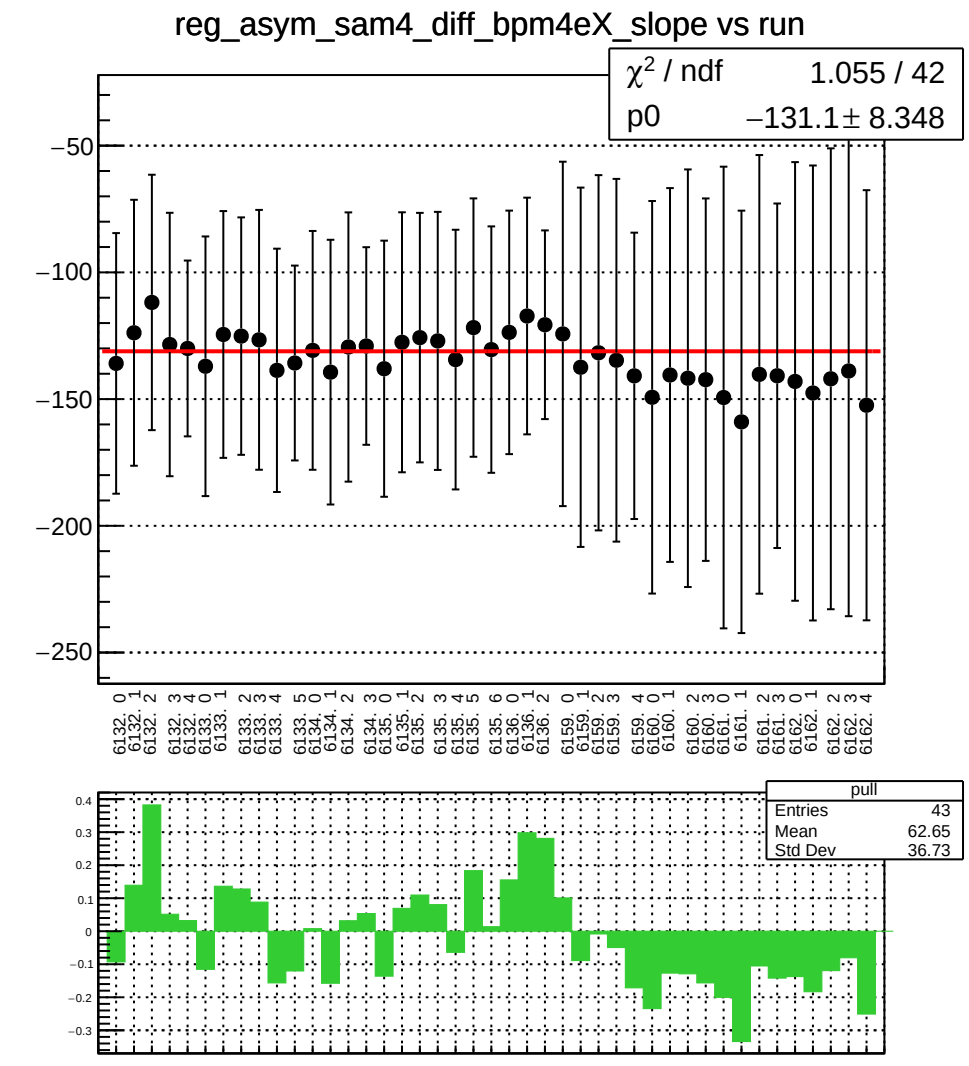

pull1D
Entries 43
Mean −0.03301
Std Dev 0.1995

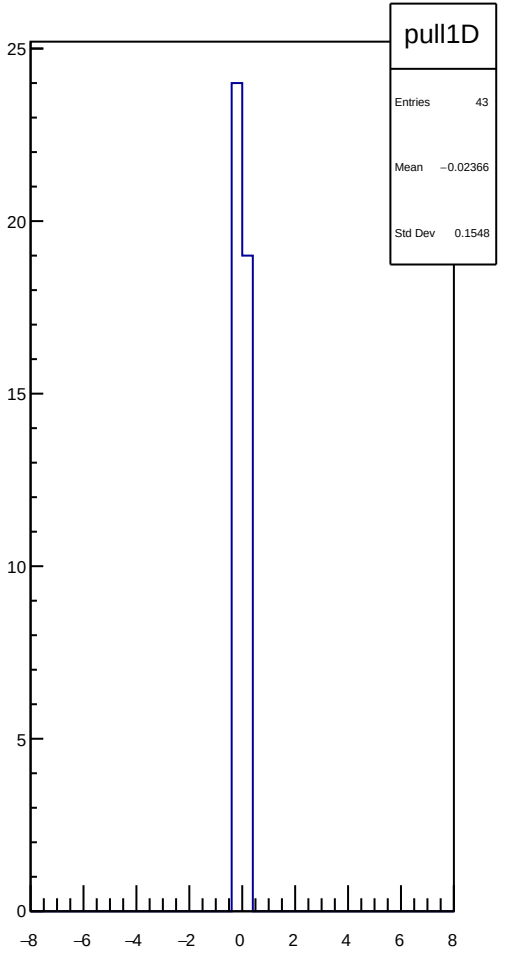

reg_asym_sam4_diff_bpm4aX_slope vs run
χ² / ndf 1.043 / 42
p0 −69.08 ± 7.172
pull
Entries 43
Mean 63.42
Std Dev 38.21

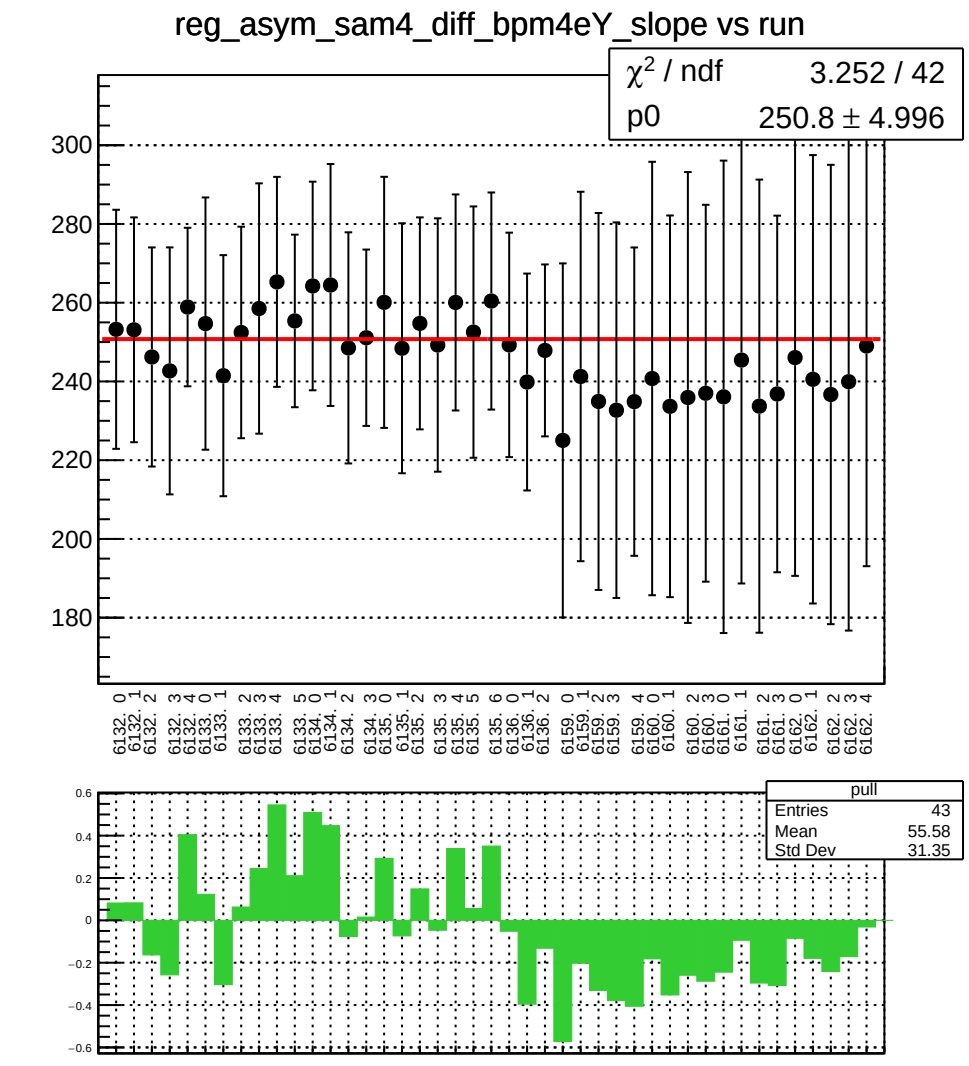

pull1D
Entries 43
Mean 0.02553
Std Dev 0.1536

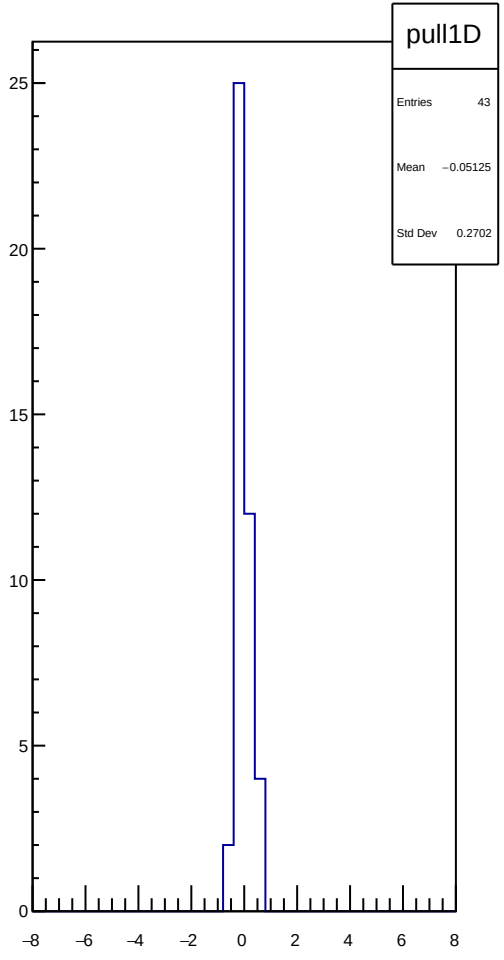

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 2.06 / 42
p0 19.05 ± 4.715
pull
Entries 43
Mean 51.28
Std Dev 26.05

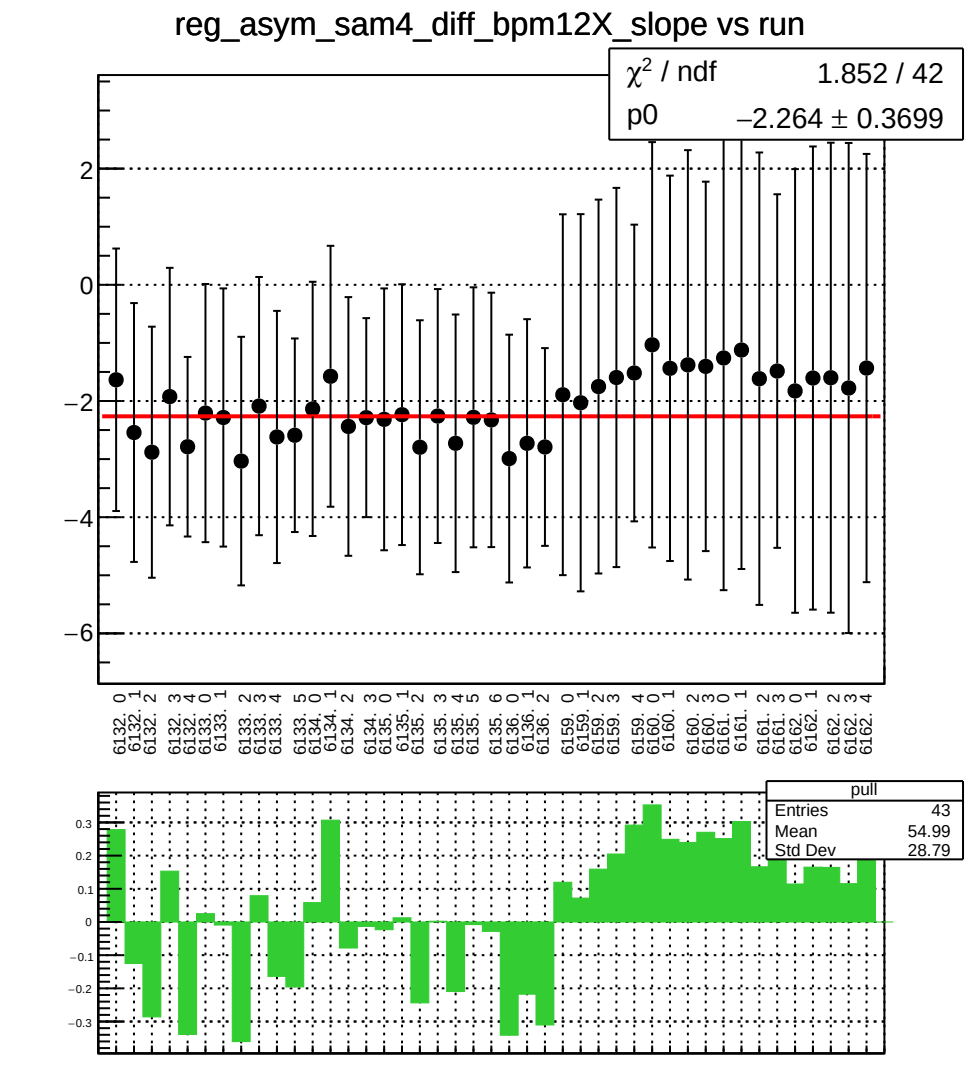

pull1D
Entries 43
Mean 0.03165
Std Dev 0.2166

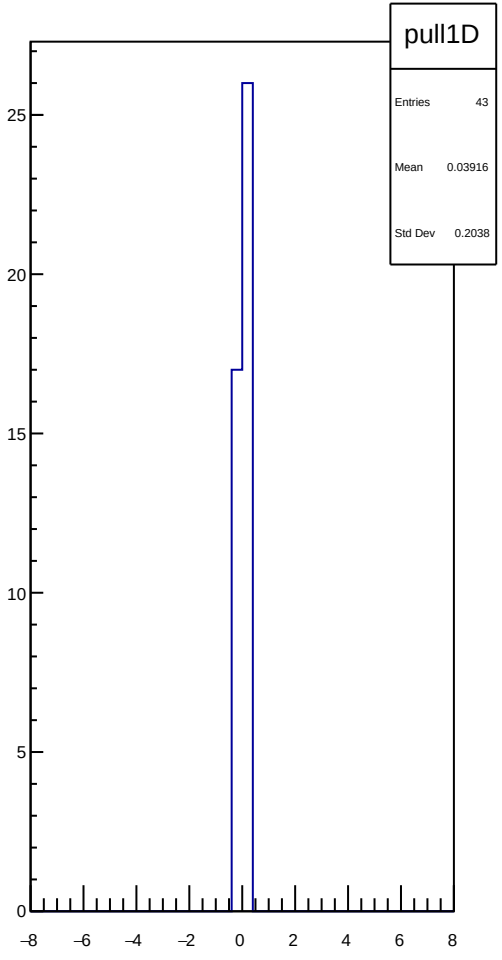

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 1.055 / 42
p0 −131.1 ± 8.348
−50
−100
−150
−200
−250
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 62.65
Std Dev 36.73
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3

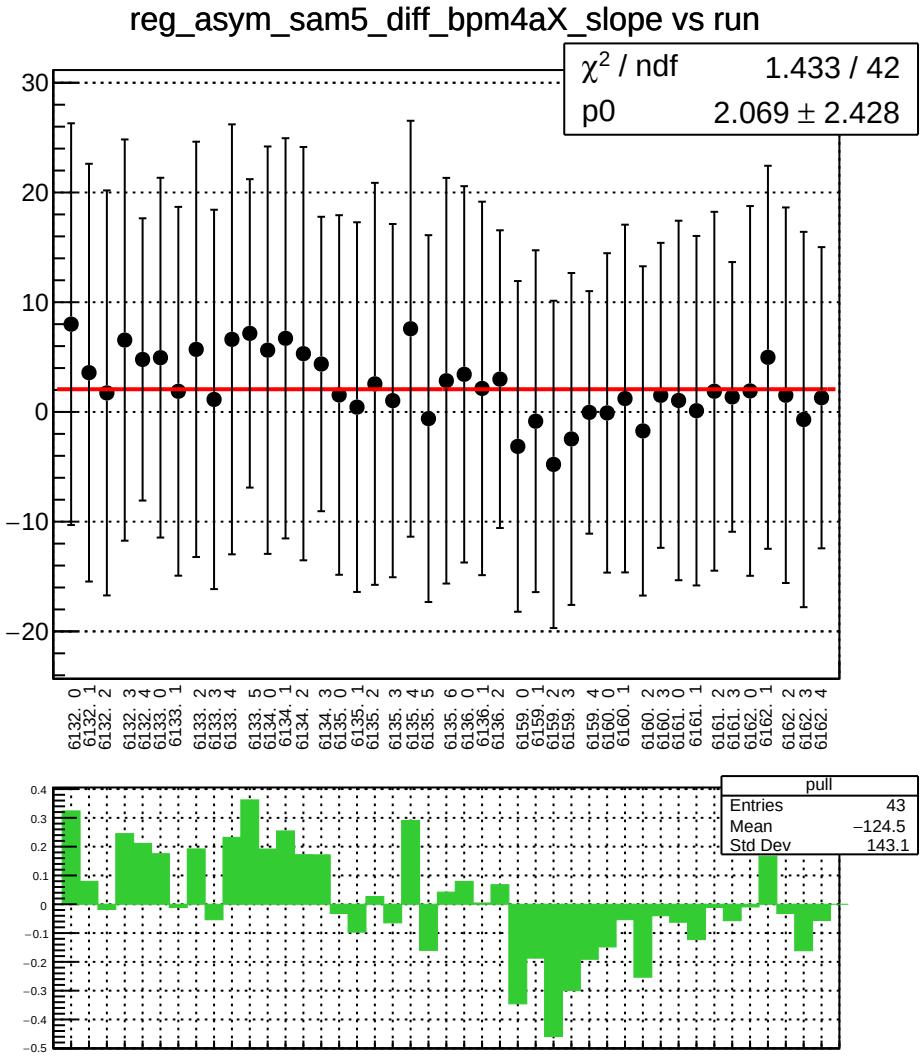

pull1D
Entries 43
Mean −0.02366
Std Dev 0.1548
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

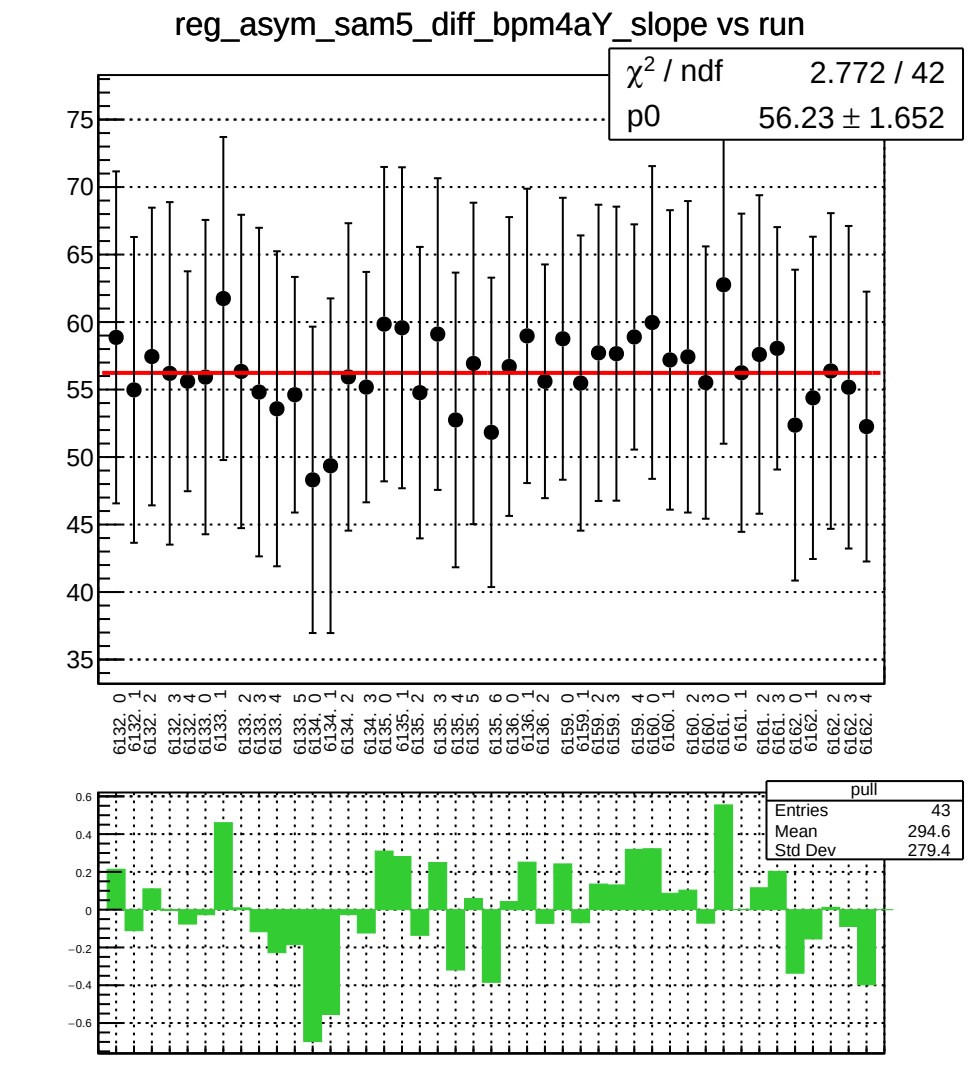

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 3.252 / 42
p0 250.8 ± 4.996
300
280
260
240
220
200
180
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 55.58
Std Dev 31.35
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

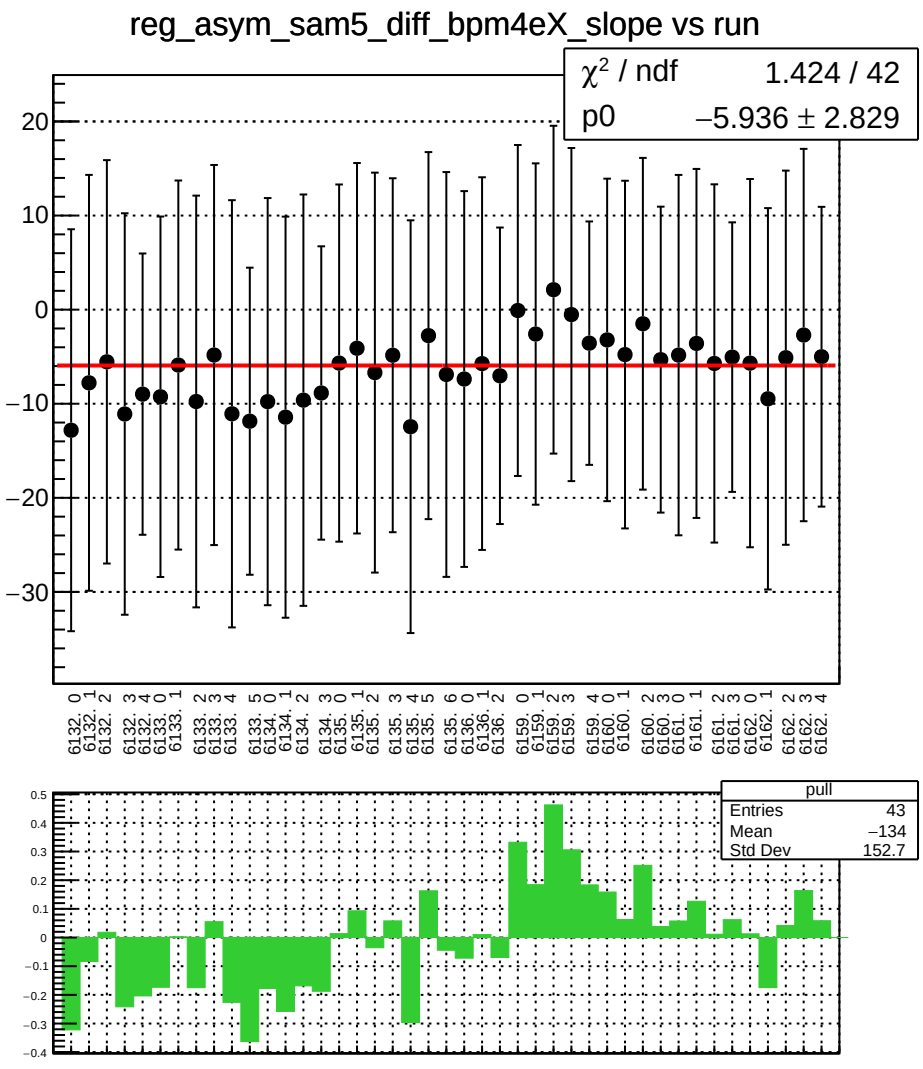

pull1D
Entries 43
Mean −0.05125
Std Dev 0.2702
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

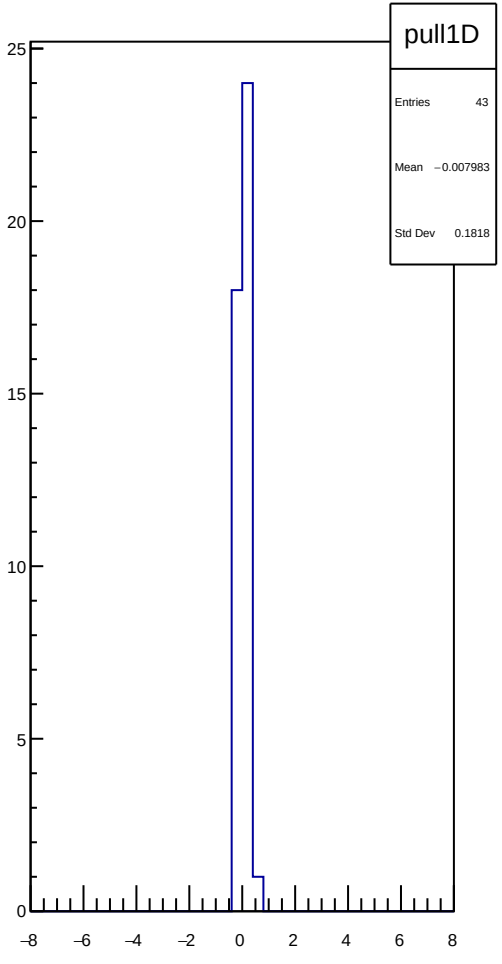

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 1.852 / 42
p0 −2.264 ± 0.3699
pull
Entries 43
Mean 54.99
Std Dev 28.79

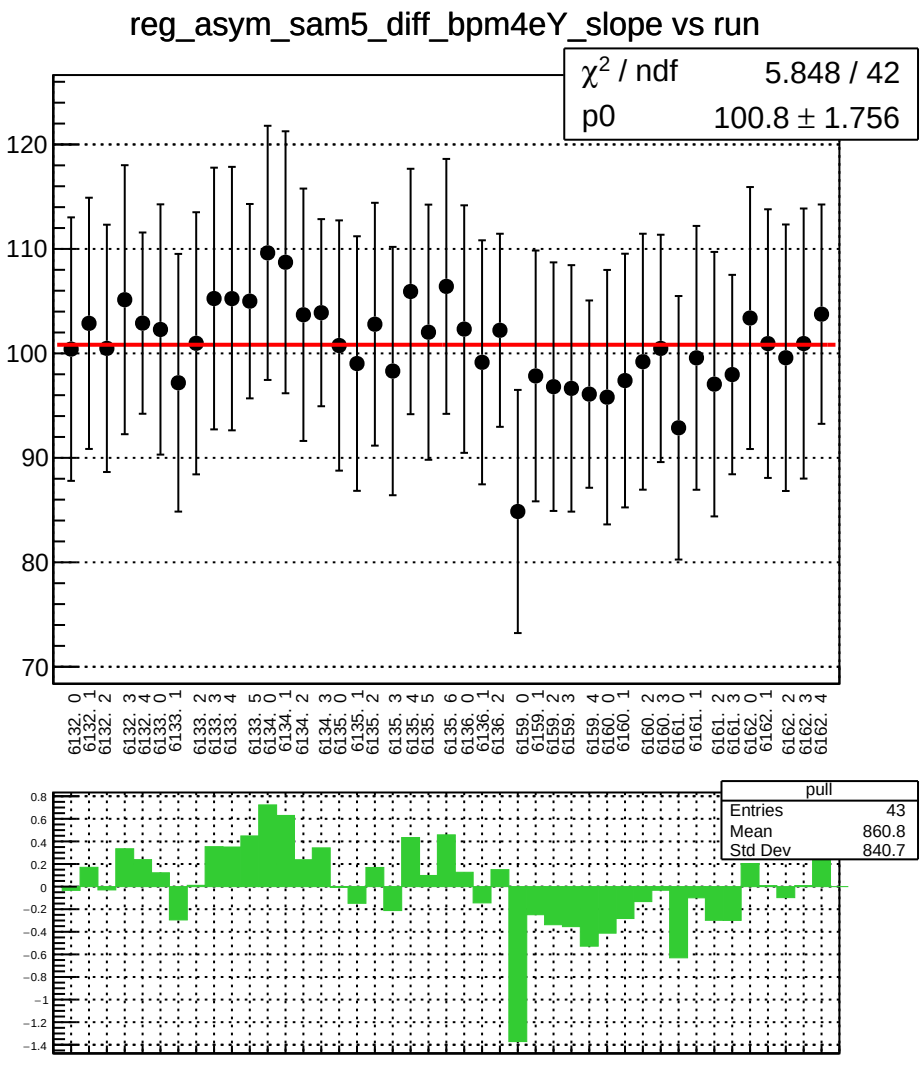

pull1D
Entries 43
Mean 0.03916
Std Dev 0.2038

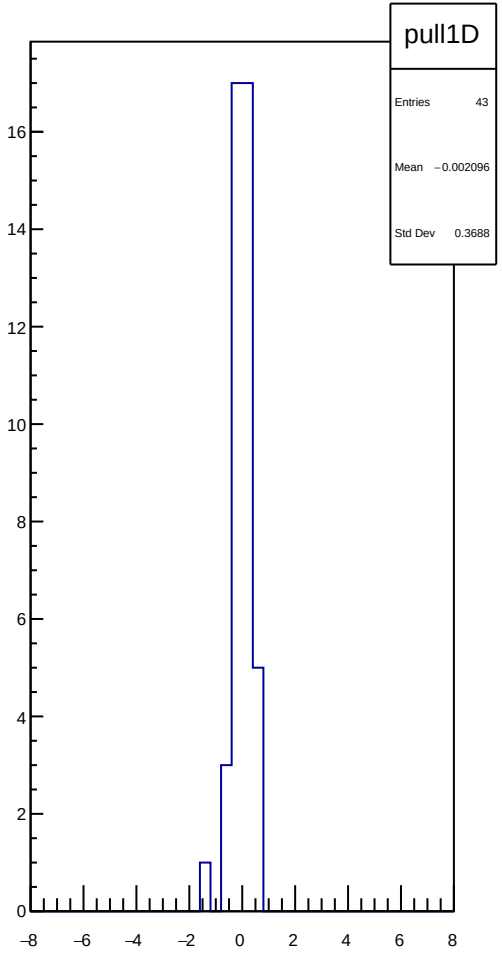

reg_asym_sam5_diff_bpm4aX_slope vs run
χ² / ndf 1.433 / 42
p0 2.069 ± 2.428
pull
Entries 43
Mean −124.5
Std Dev 143.1
pull1D
Entries 43
Mean 0.008476
Std Dev 0.1824

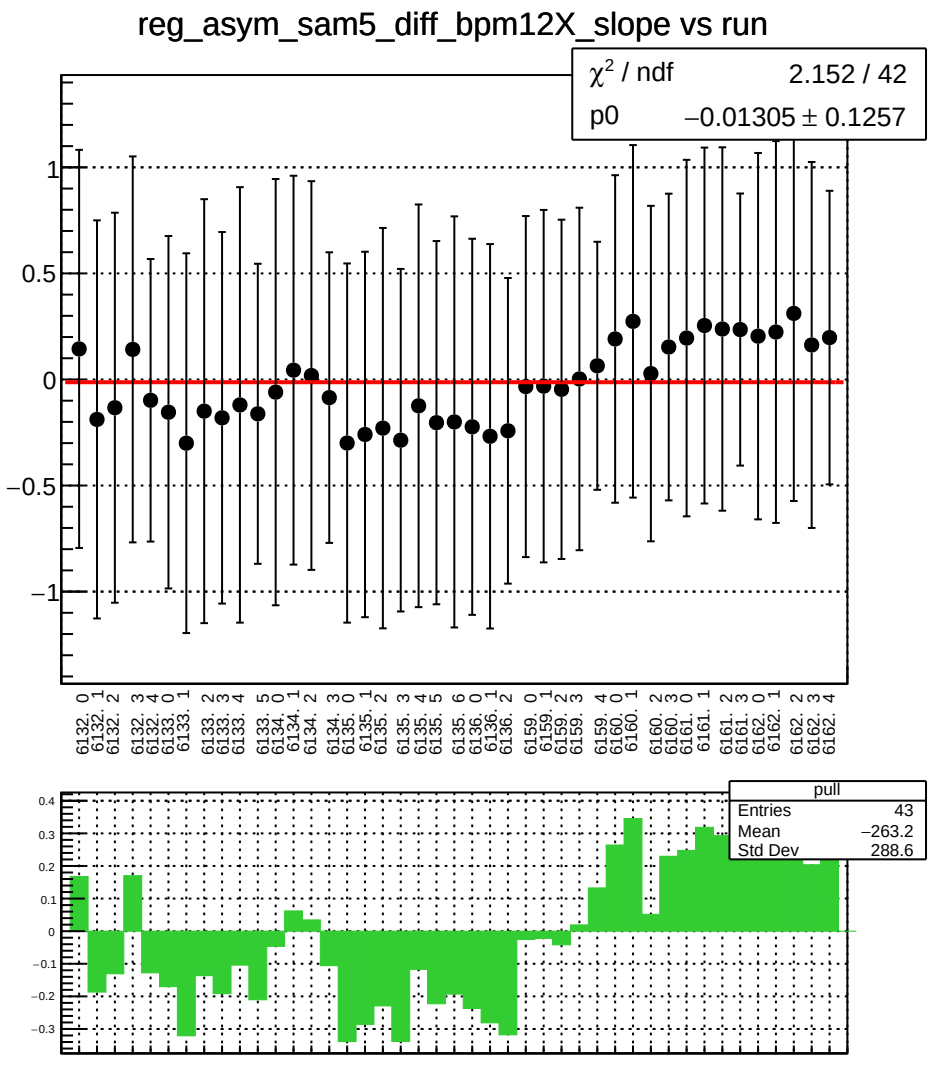

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 2.772 / 42
p0 56.23 ± 1.652
75
70
65
60
55
50
45
40
35
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 294.6
Std Dev 279.4
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 43
Mean 0.0008433
Std Dev 0.2539
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

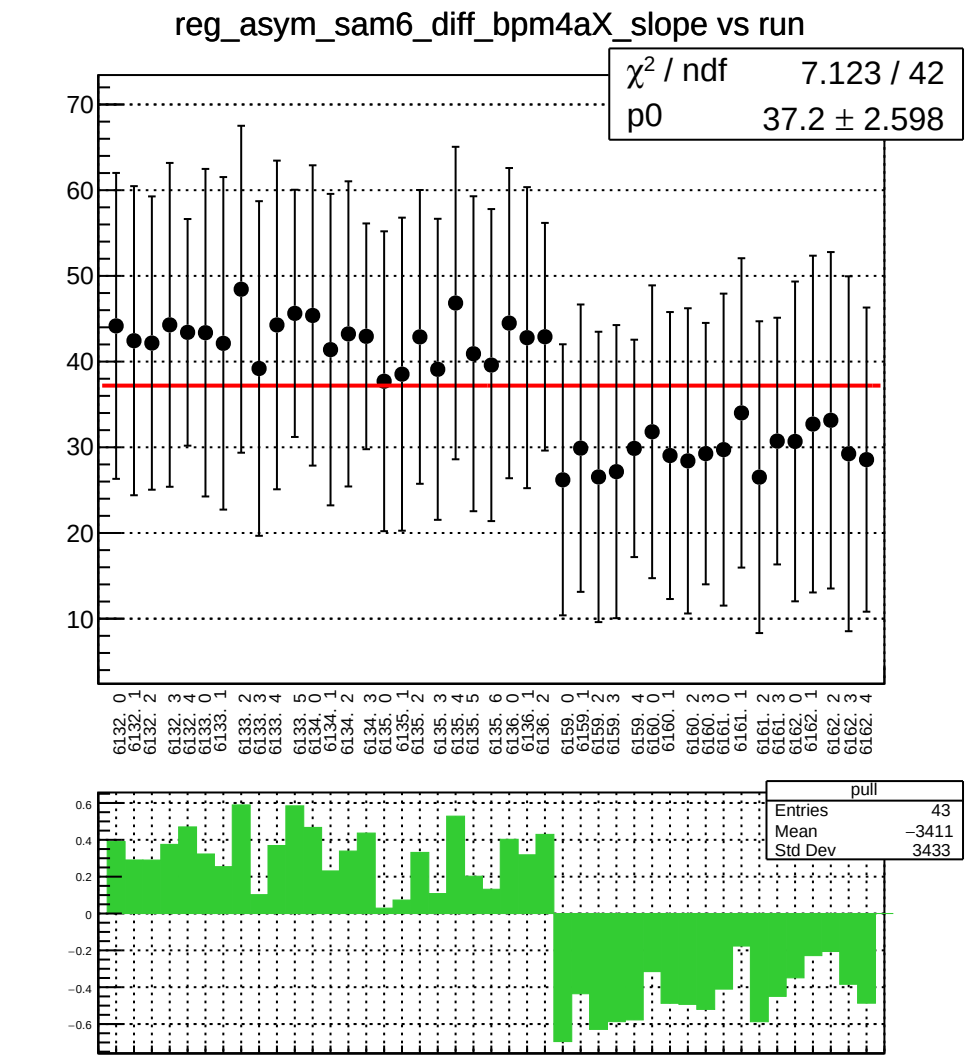

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 1.424 / 42
p0 −5.936 ± 2.829
pull
Entries 43
Mean −134
Std Dev 152.7

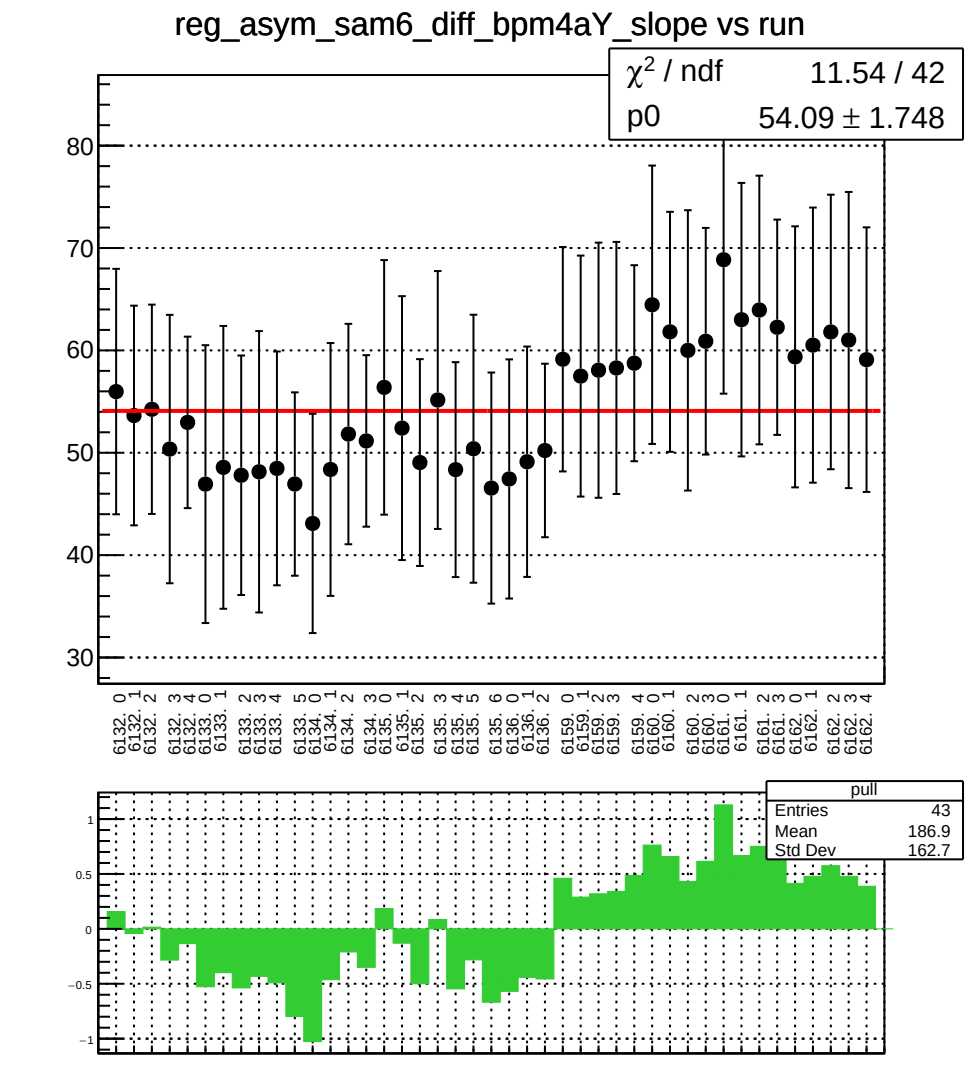

pull1D
Entries 43
Mean −0.007983
Std Dev 0.1818

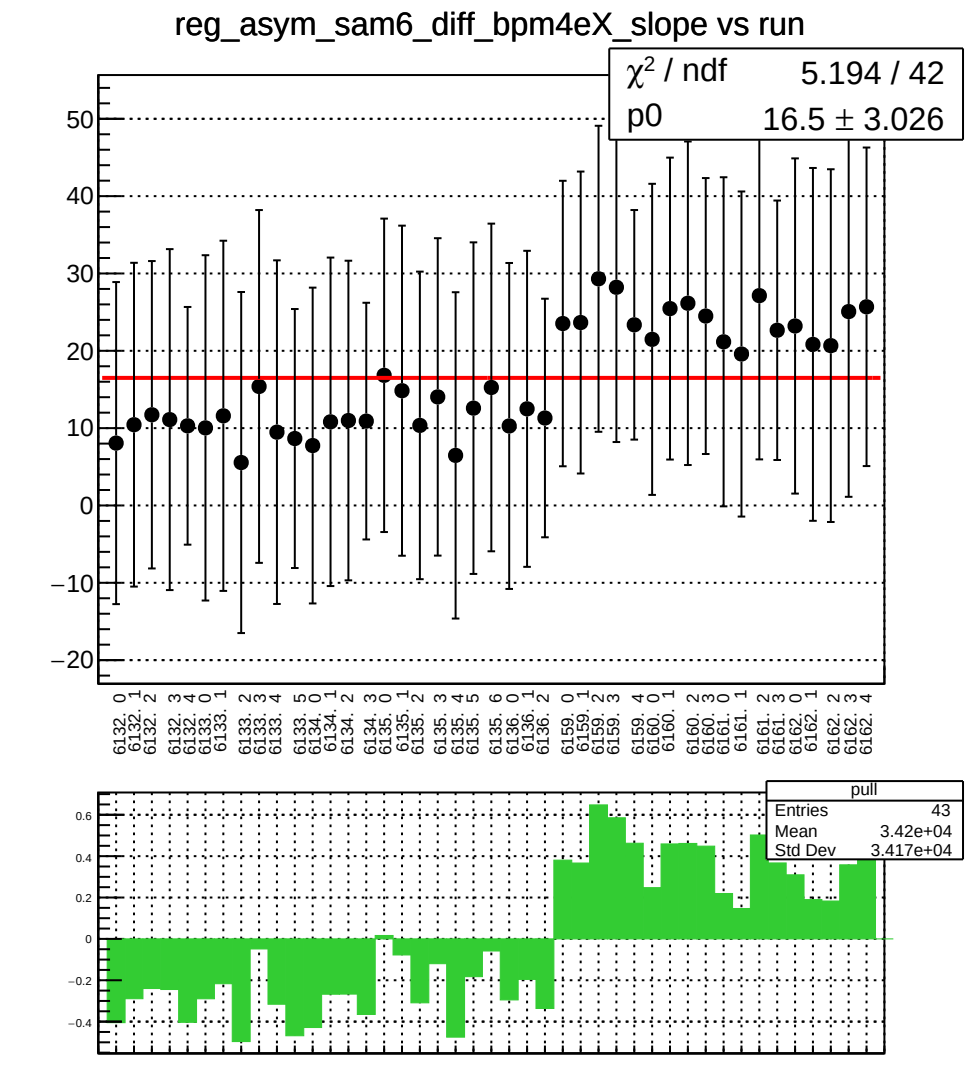

reg_asym_sam5_diff_bpm4eY_slope vs run
χ^2 / ndf 5.848 / 42
p0 100.8 ± 1.756
120
110
100
90
80
70
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 860.8
Std Dev 840.7
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4

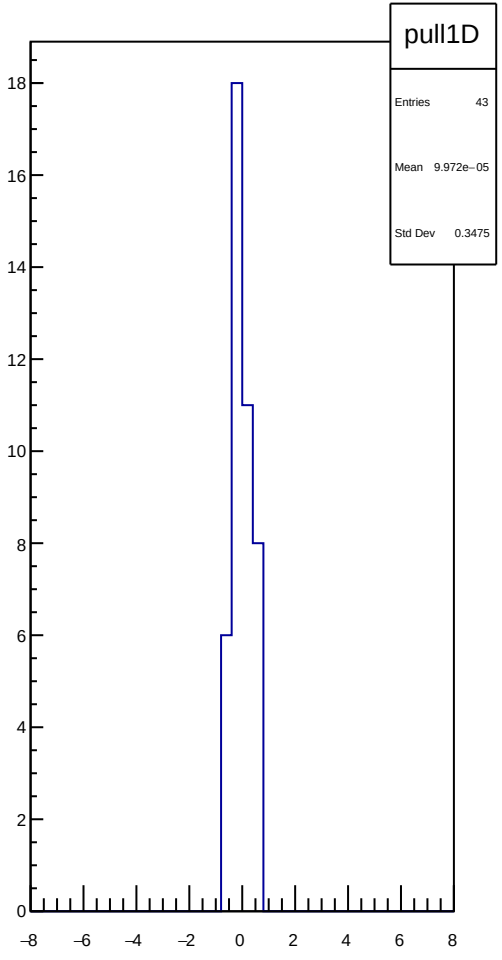

pull1D
Entries 43
Mean −0.002096
Std Dev 0.3688
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

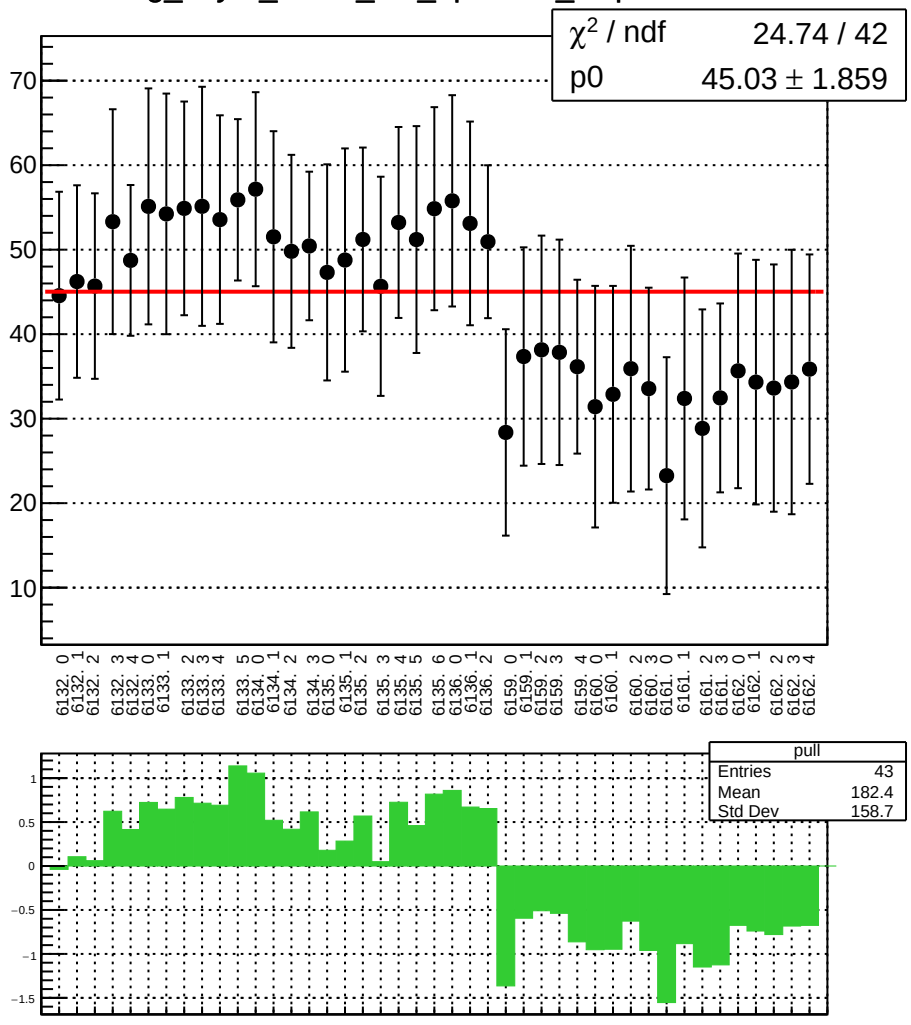

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 2.152 / 42
p0 −0.01305 ± 0.1257
1
0.5
0
−0.5
−1
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −263.2
Std Dev 288.6
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 43
Mean −0.006239
Std Dev 0.2236
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

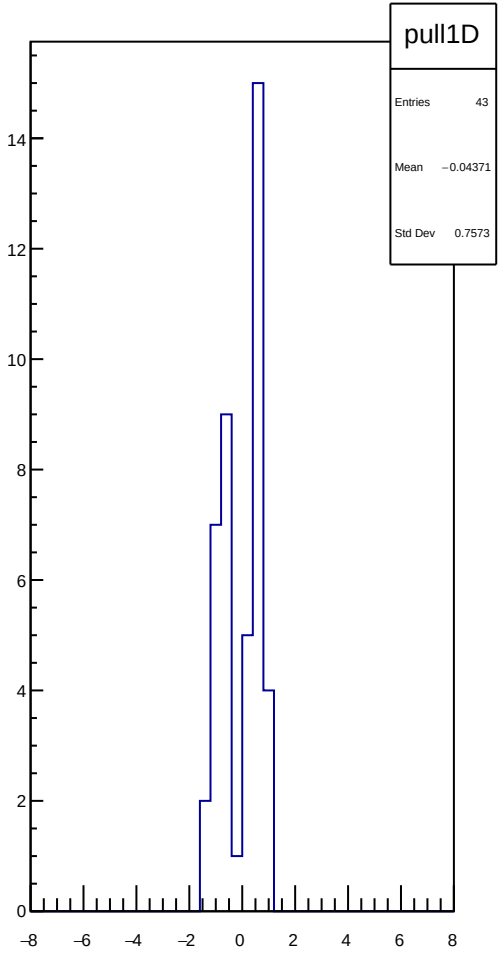

reg_asym_sam6_diff_bpm4aX_slope vs run
χ² / ndf 7.123 / 42
p0 37.2 ± 2.598
70
60
50
40
30
20
10
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −3411
Std Dev 3433
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 43
Mean 0.001151
Std Dev 0.407
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

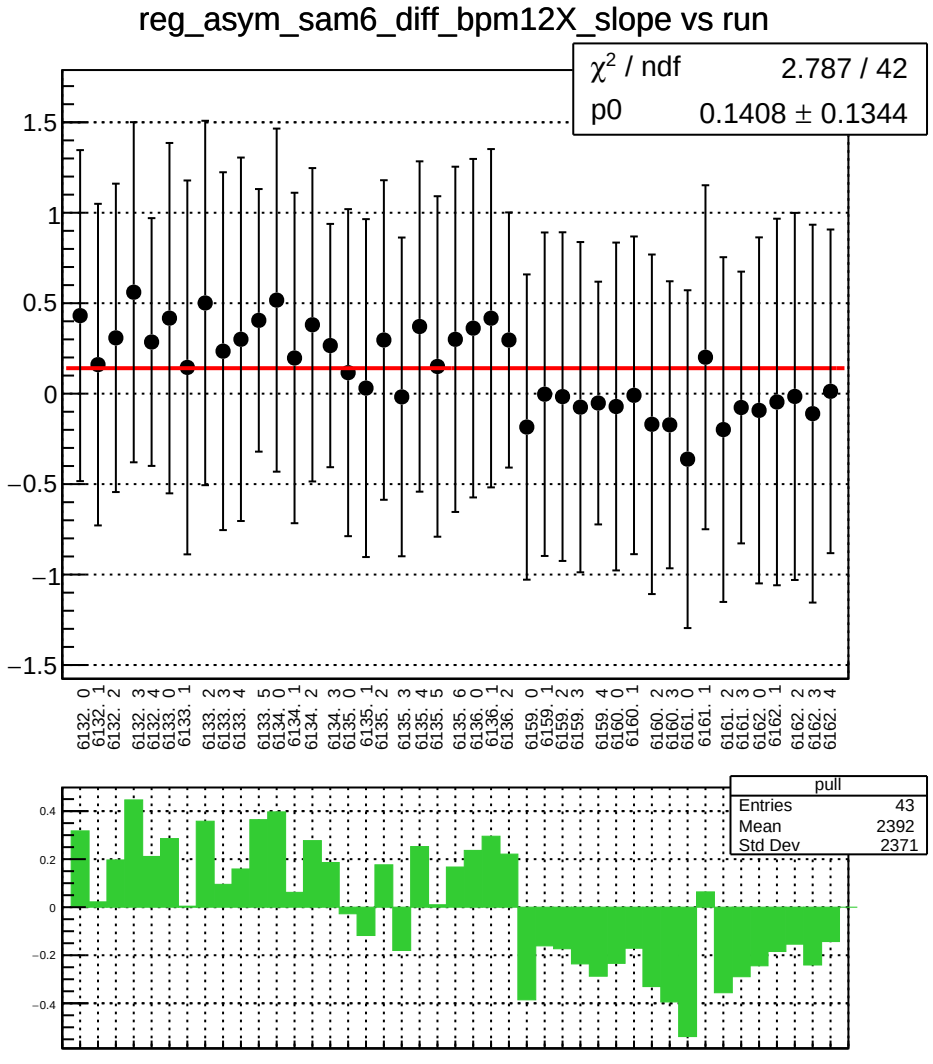

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 11.54 / 42
p0 54.09 ± 1.748
80
70
60
50
40
30
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 186.9
Std Dev 162.7
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean 0.02733
Std Dev 0.5173
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

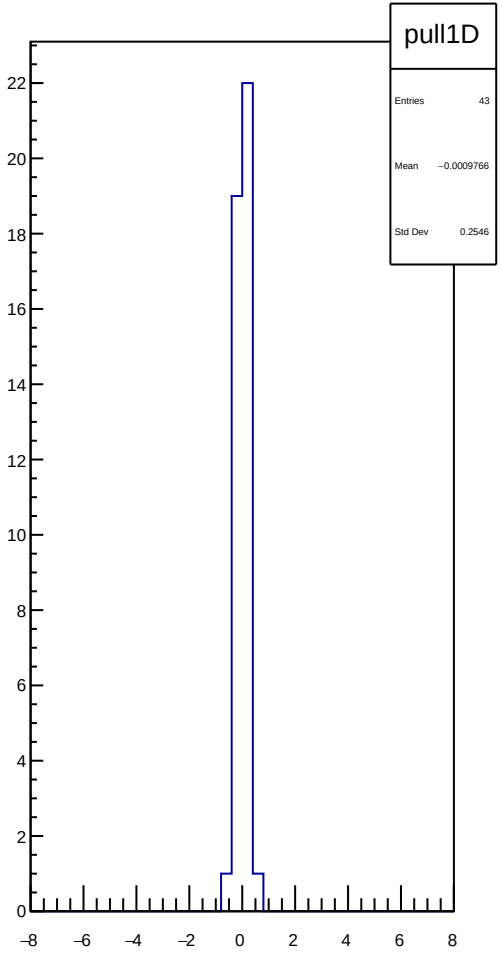

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 5.194 / 42
p0 16.5 ± 3.026
pull
Entries 43
Mean 3.42e+04
Std Dev 3.417e+04

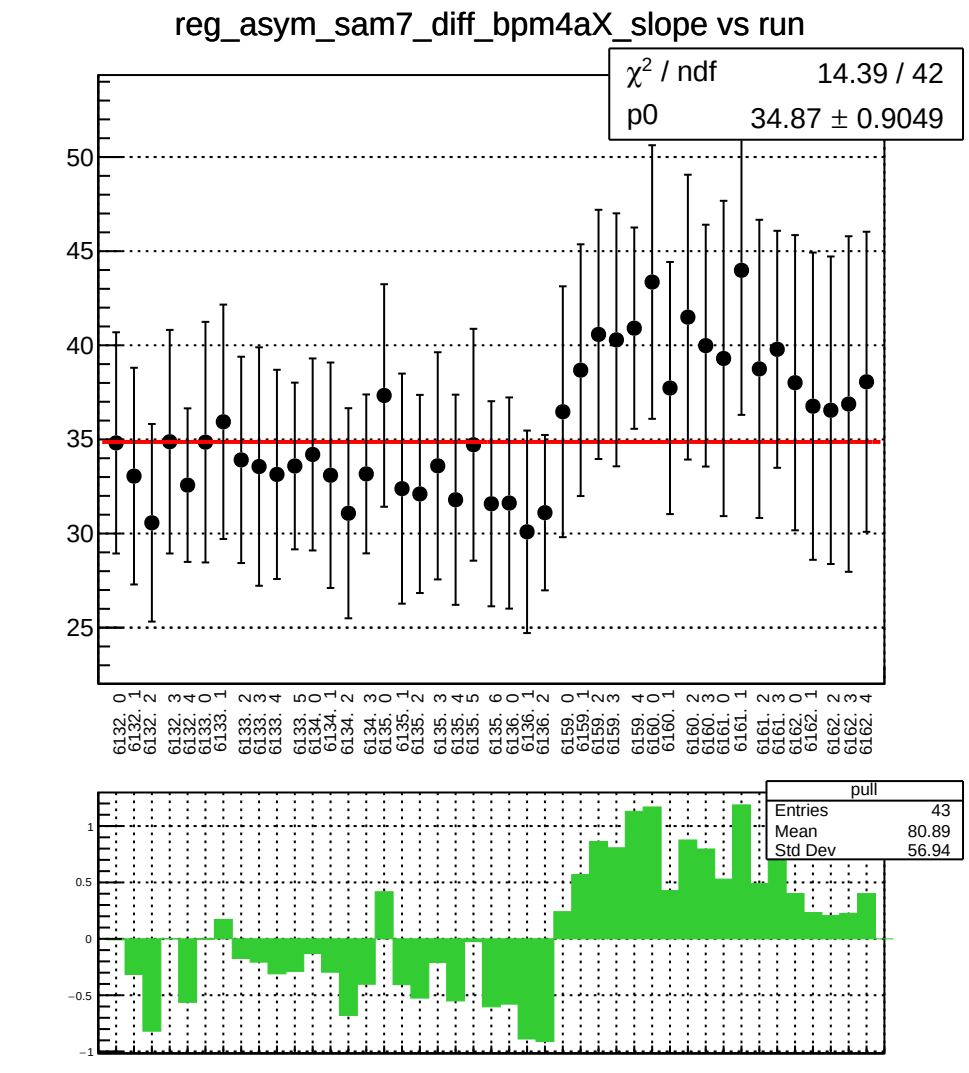

pull1D
Entries 43
Mean 9.972e−05
Std Dev 0.3475

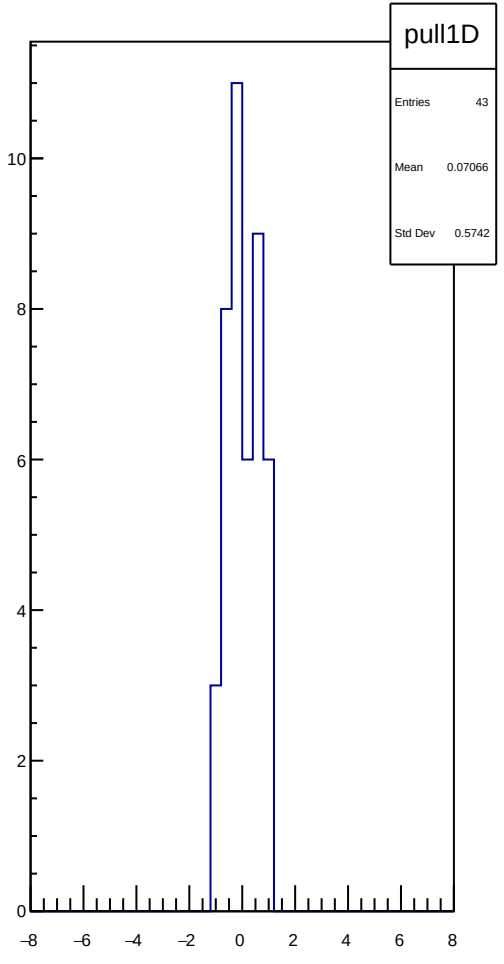

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 24.74 / 42
p0 45.03 ± 1.859
70
60
50
40
30
20
10
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 182.4
Std Dev 158.7
1
0.5
0
−0.5
−1
−1.5

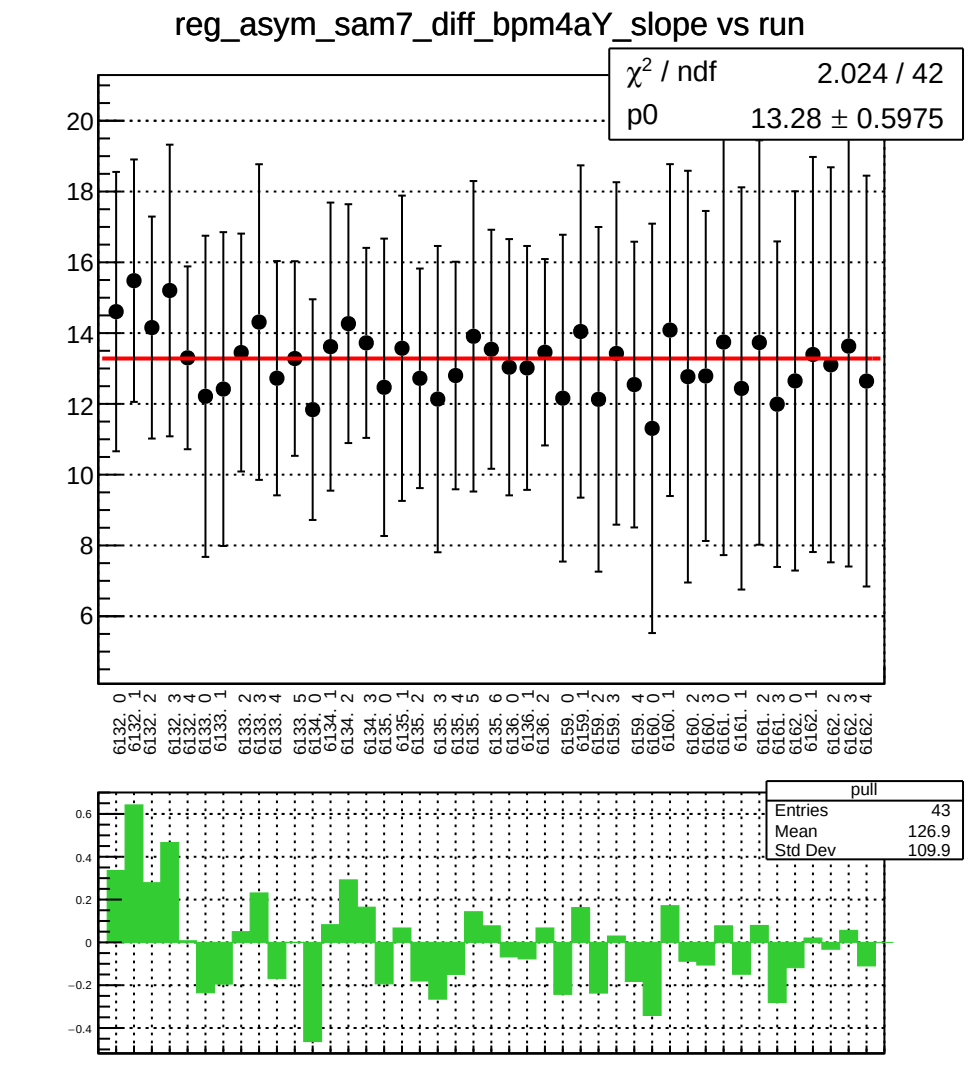

pull1D
Entries 43
Mean −0.04371
Std Dev 0.7573
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

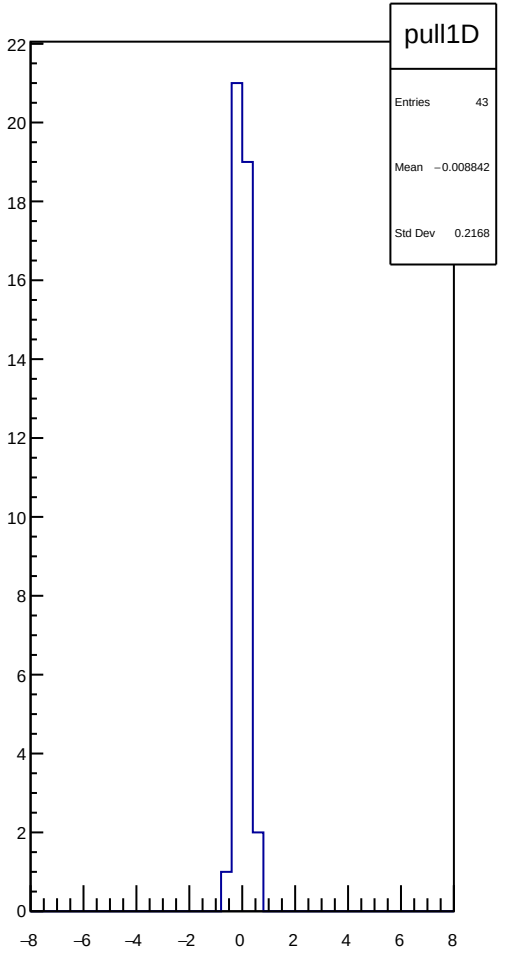

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 2.787 / 42
p0 0.1408 ± 0.1344
1.5
1
0.5
0
−0.5
−1
−1.5
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 2392
Std Dev 2371
0.4
0.2
0
−0.2
−0.4

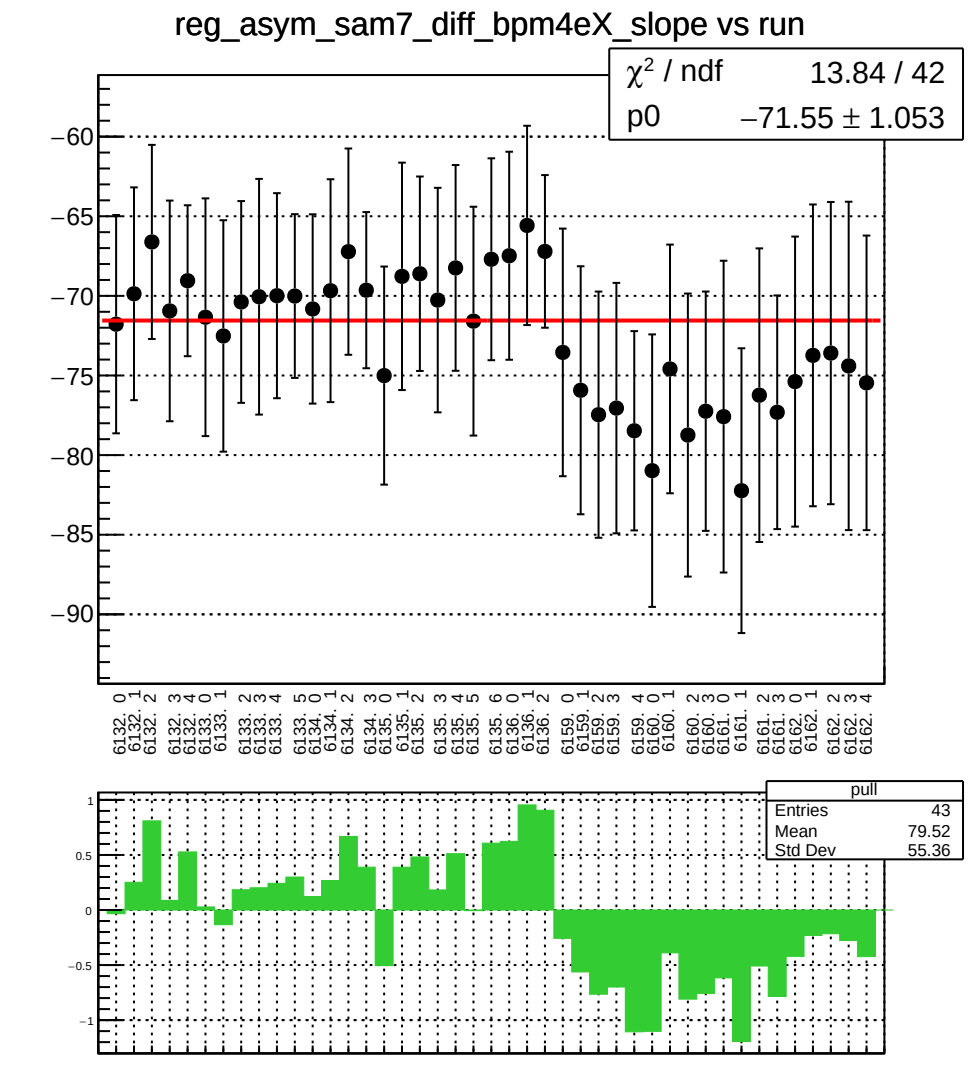

pull1D
Entries 43
Mean −0.0009766
Std Dev 0.2546
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

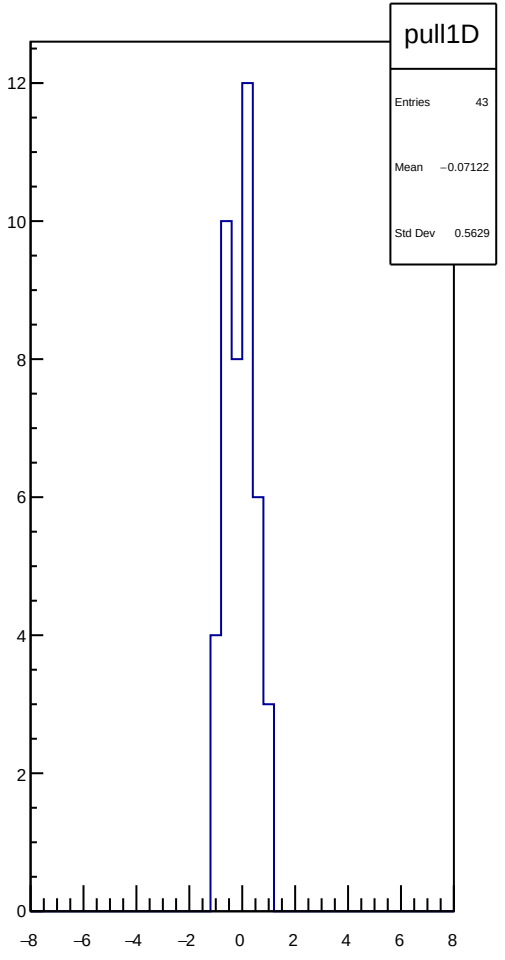

reg_asym_sam7_diff_bpm4aX_slope vs run
χ² / ndf 14.39 / 42
p0 34.87 ± 0.9049
pull
Entries 43
Mean 80.89
Std Dev 56.94

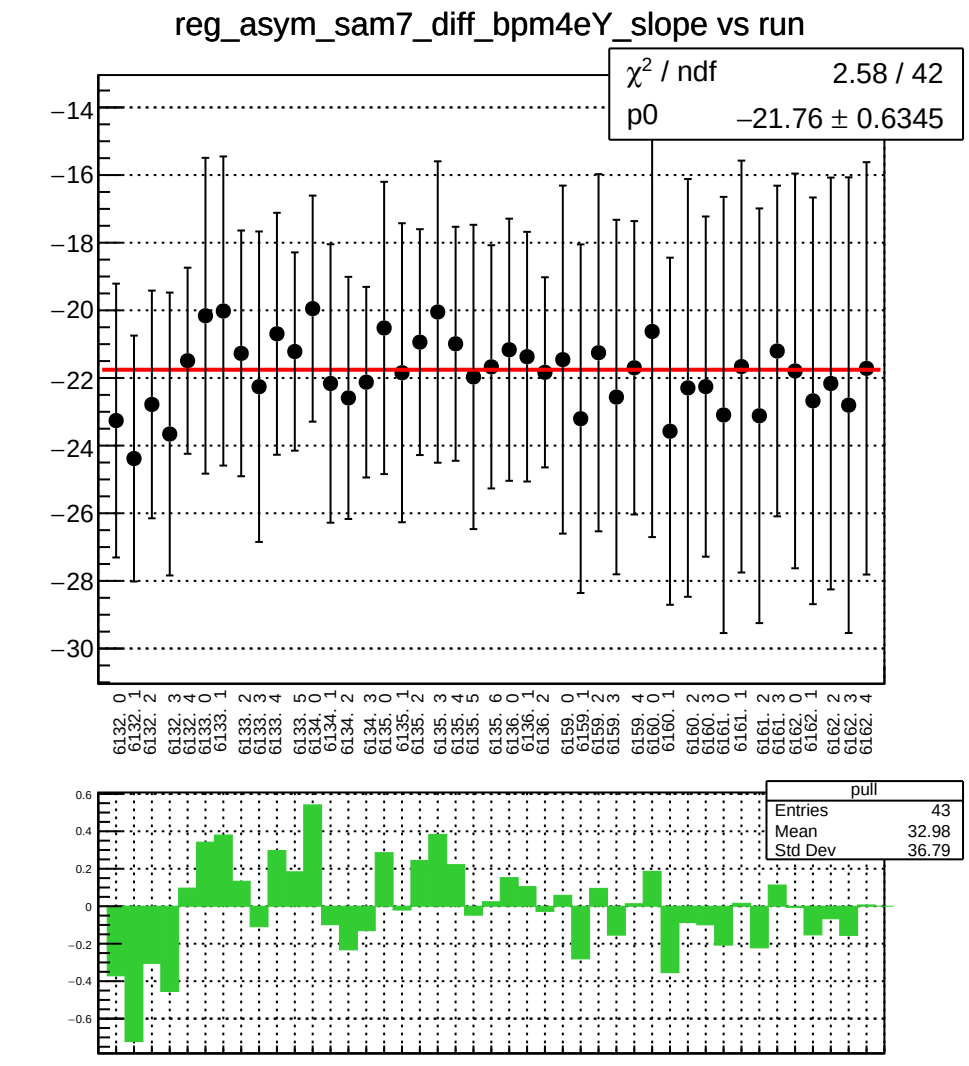

pull1D
Entries 43
Mean 0.07066
Std Dev 0.5742

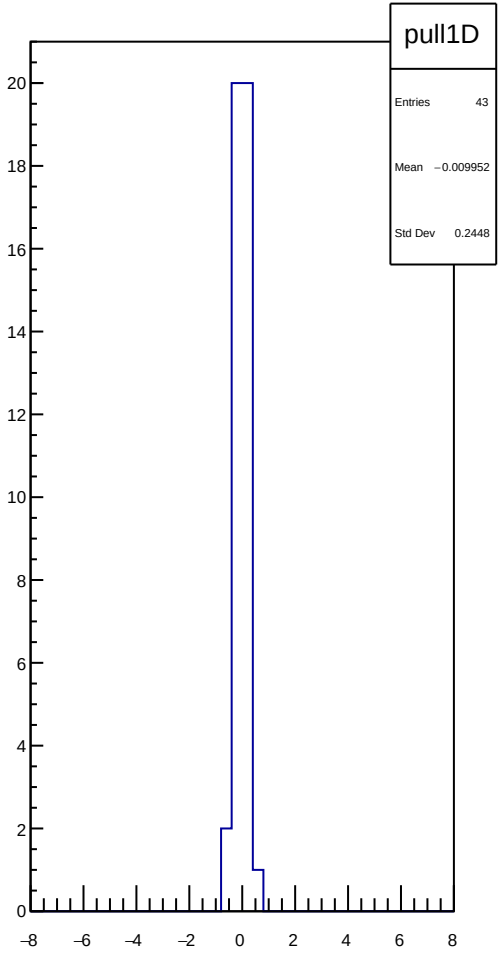

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 2.024 / 42
p0 13.28 ± 0.5975
pull
Entries 43
Mean 126.9
Std Dev 109.9

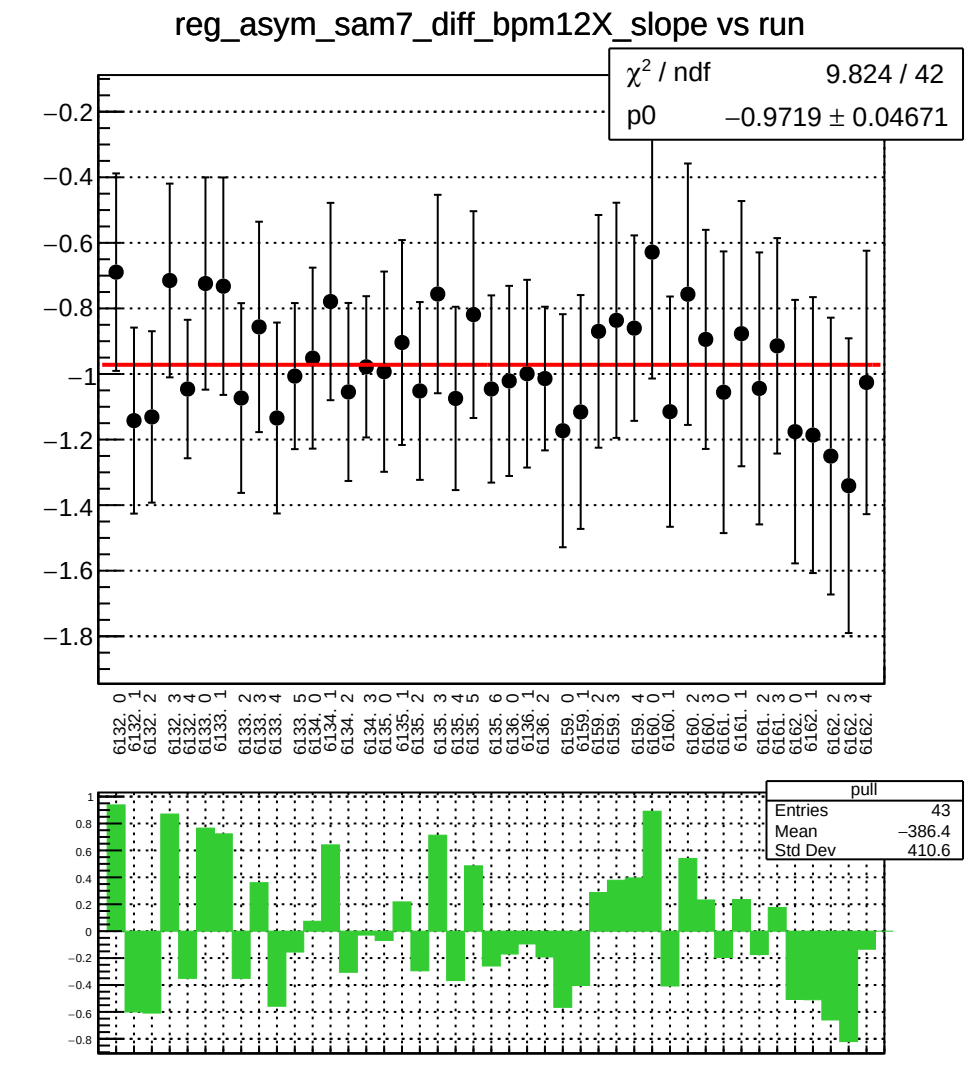

pull1D
Entries 43
Mean −0.008842
Std Dev 0.2168

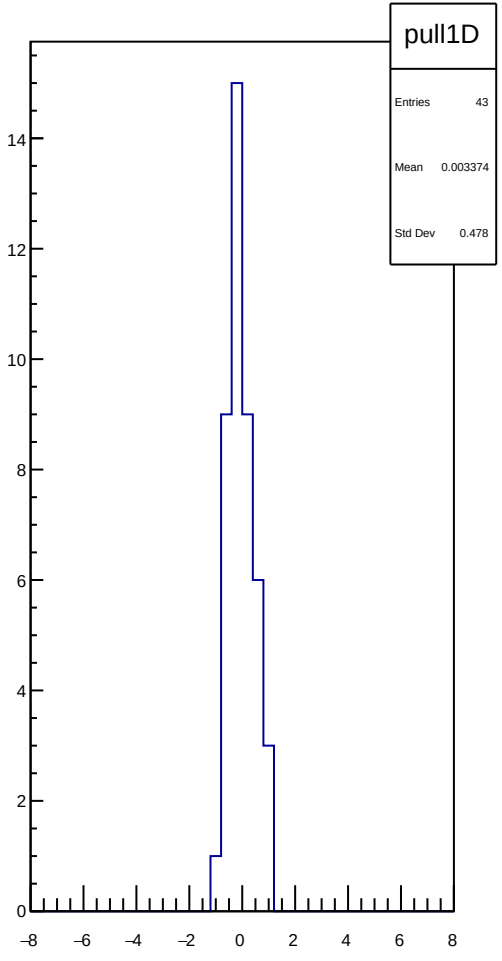

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 13.84 / 42
p0 −71.55 ± 1.053
pull
Entries 43
Mean 79.52
Std Dev 55.36

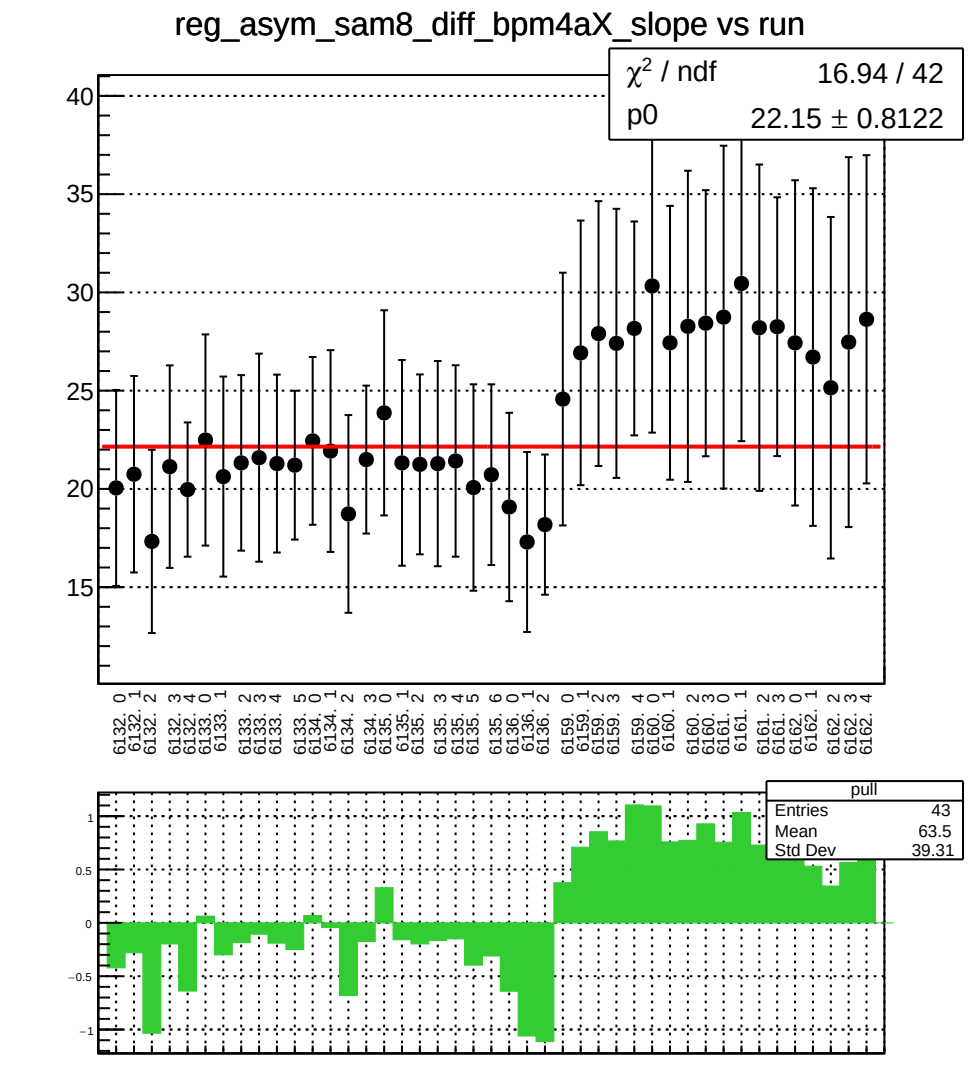

pull1D
Entries 43
Mean −0.07122
Std Dev 0.5629

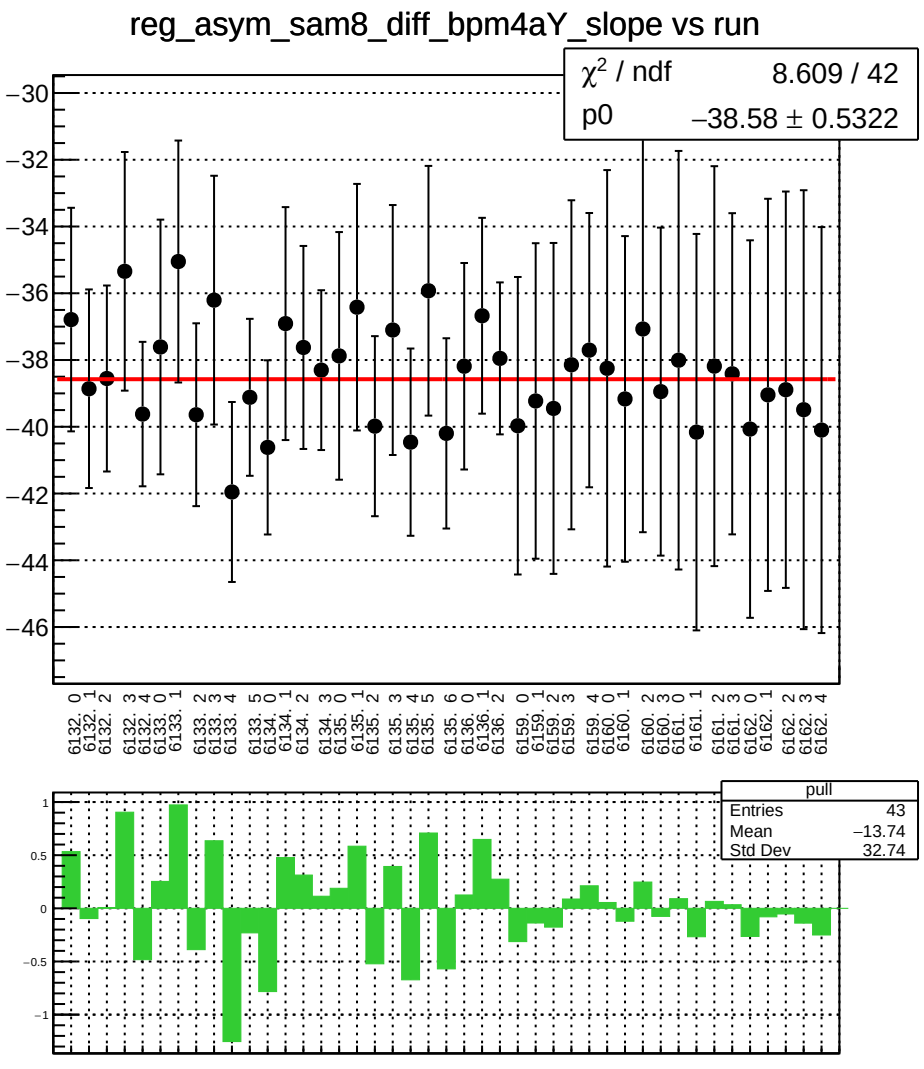

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 2.58 / 42
p0 −21.76 ± 0.6345
pull
Entries 43
Mean 32.98
Std Dev 36.79

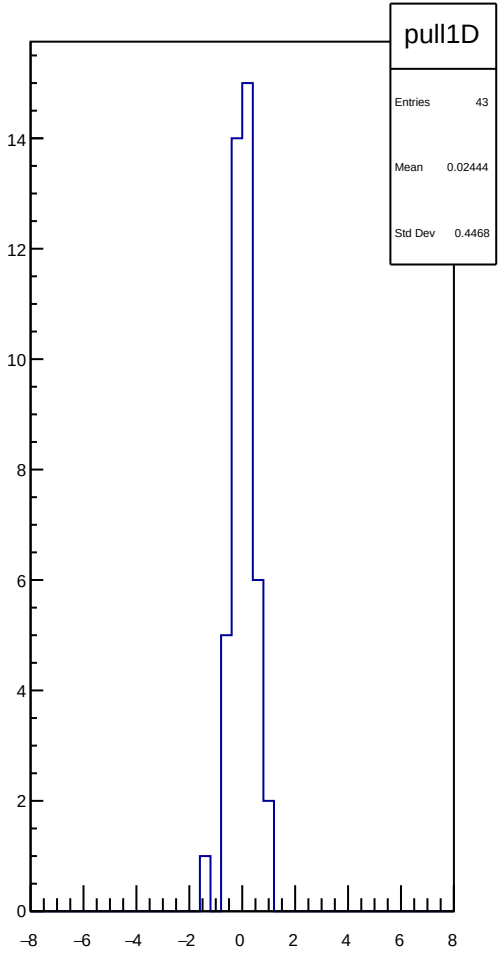

pull1D
Entries 43
Mean −0.009952
Std Dev 0.2448

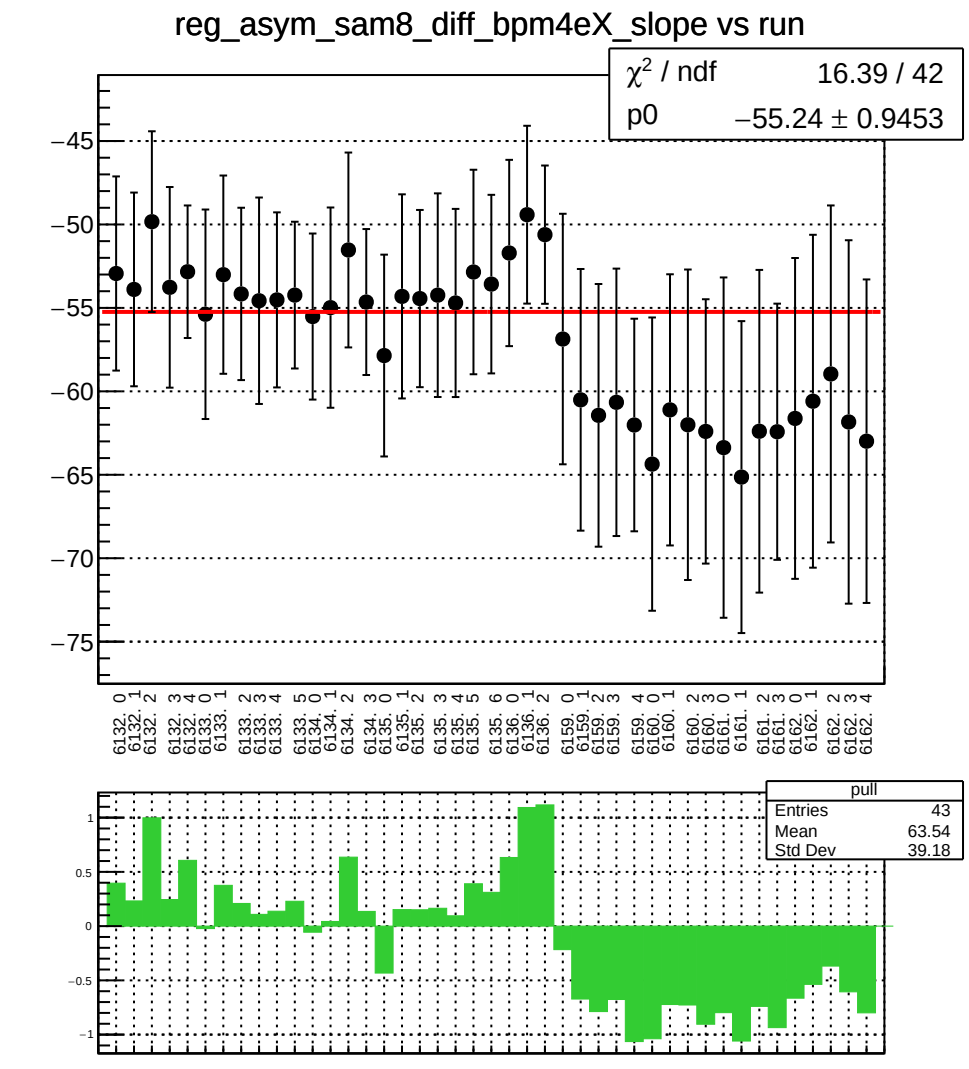

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 9.824 / 42
p0 −0.9719 ± 0.04671
pull
Entries 43
Mean −386.4
Std Dev 410.6

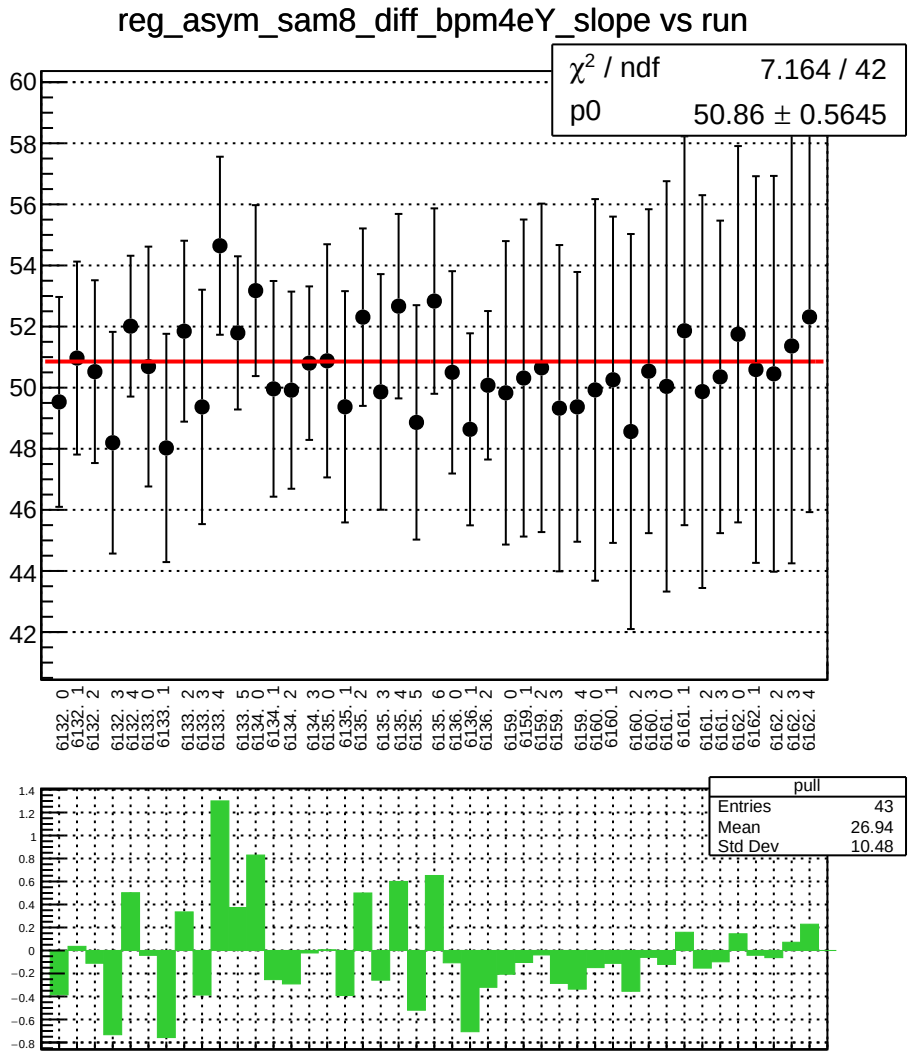

pull1D
Entries 43
Mean 0.003374
Std Dev 0.478

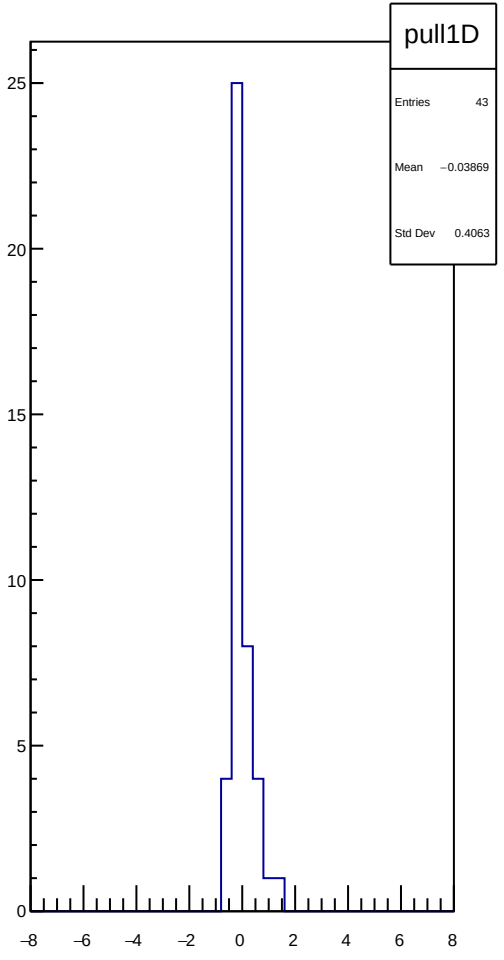

reg_asym_sam8_diff_bpm4aX_slope vs run
χ² / ndf 16.94 / 42
p0 22.15 ± 0.8122
40
35
30
25
20
15
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 63.5
Std Dev 39.31
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean 0.1263
Std Dev 0.6147
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

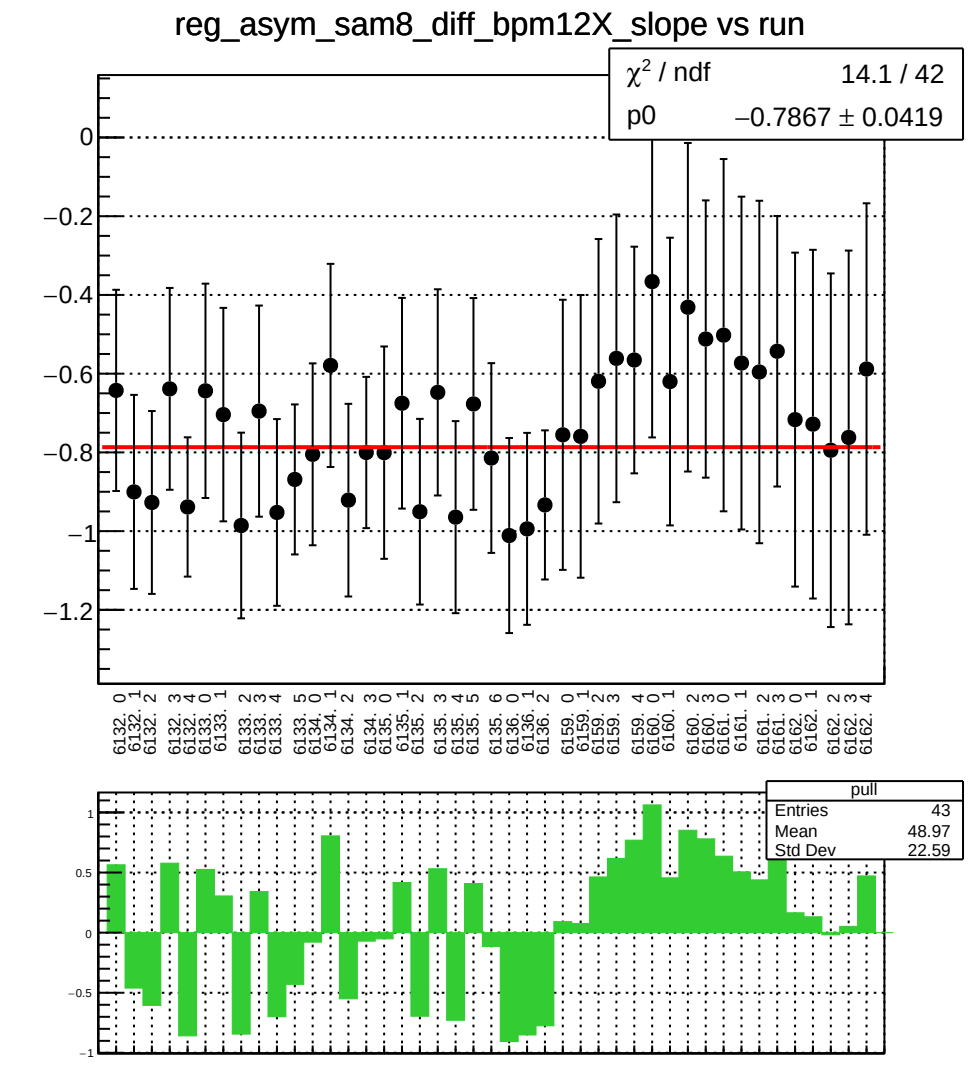

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 8.609 / 42
p0 −38.58 ± 0.5322
pull
Entries 43
Mean −13.74
Std Dev 32.74

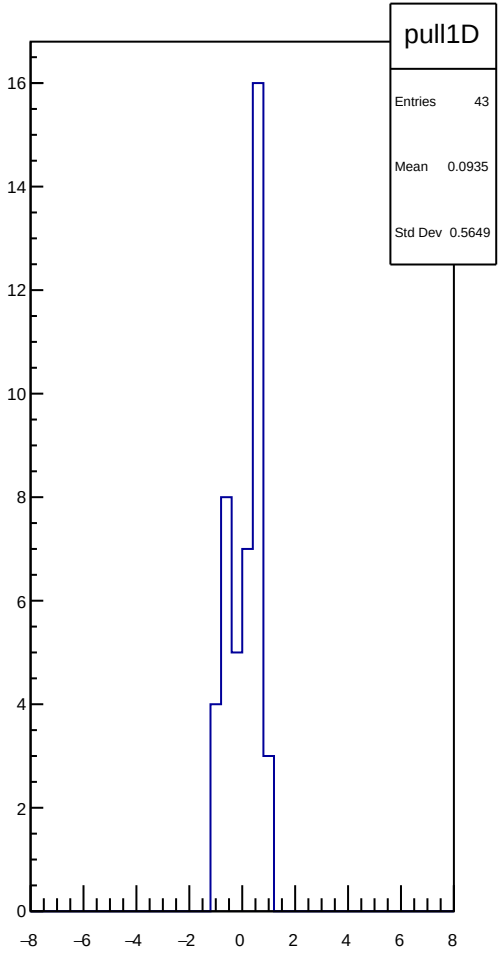

pull1D
Entries 43
Mean 0.02444
Std Dev 0.4468

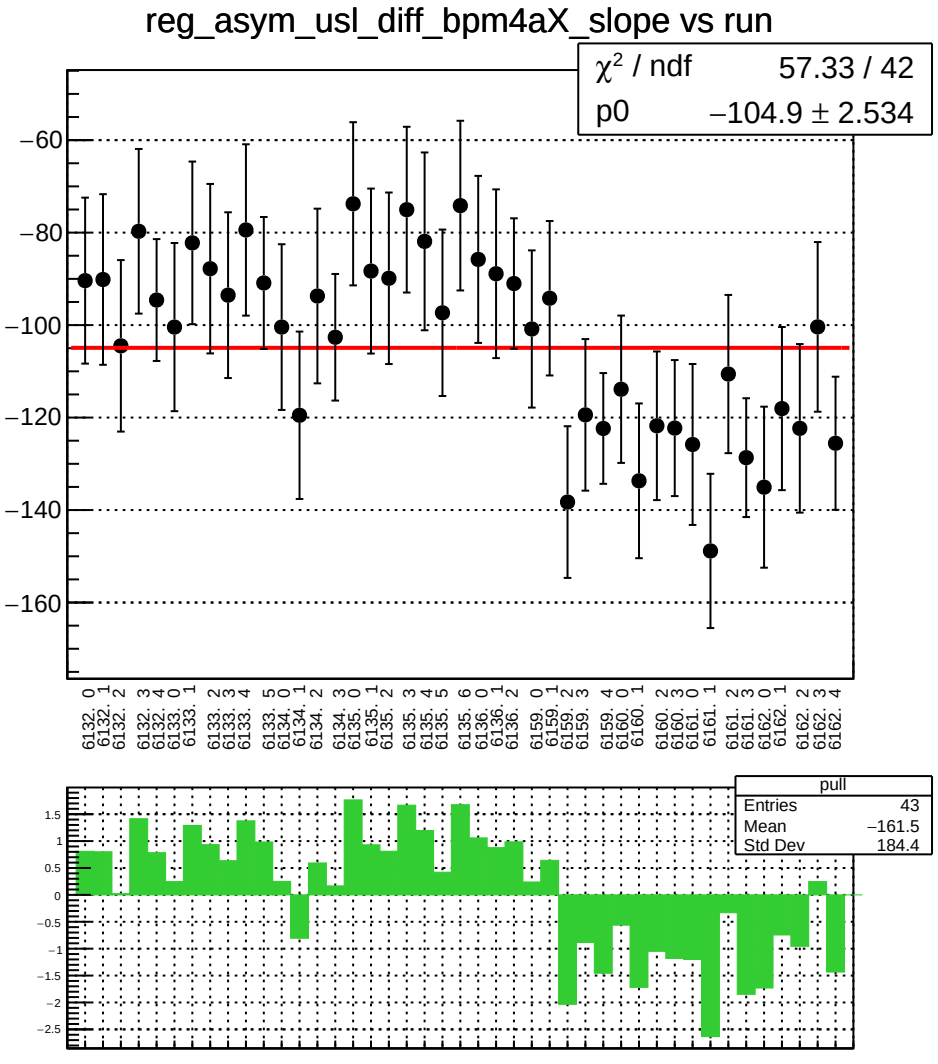

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 16.39 / 42
p0 −55.24 ± 0.9453
−45
−50
−55
−60
−65
−70
−75
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 63.54
Std Dev 39.18
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean −0.1248
Std Dev 0.6047
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

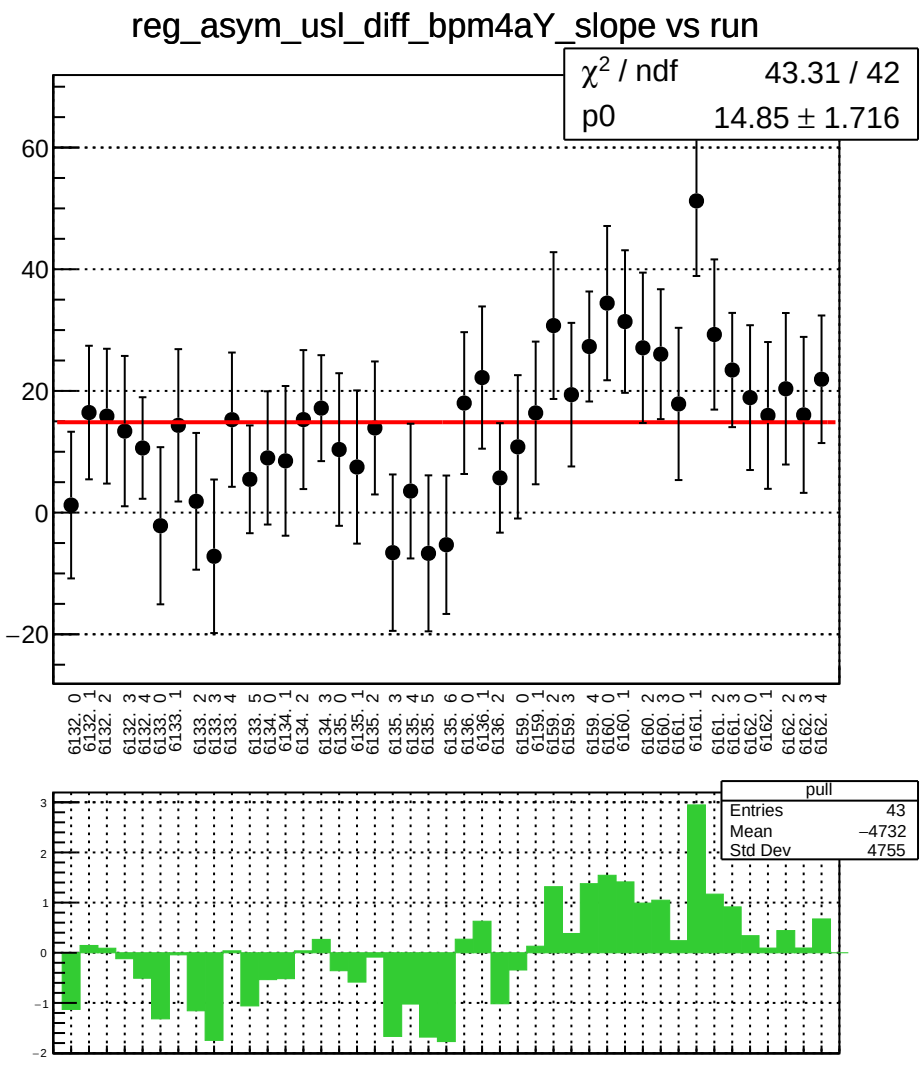

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 7.164 / 42
p0 50.86 ± 0.5645
pull
Entries 43
Mean 26.94
Std Dev 10.48

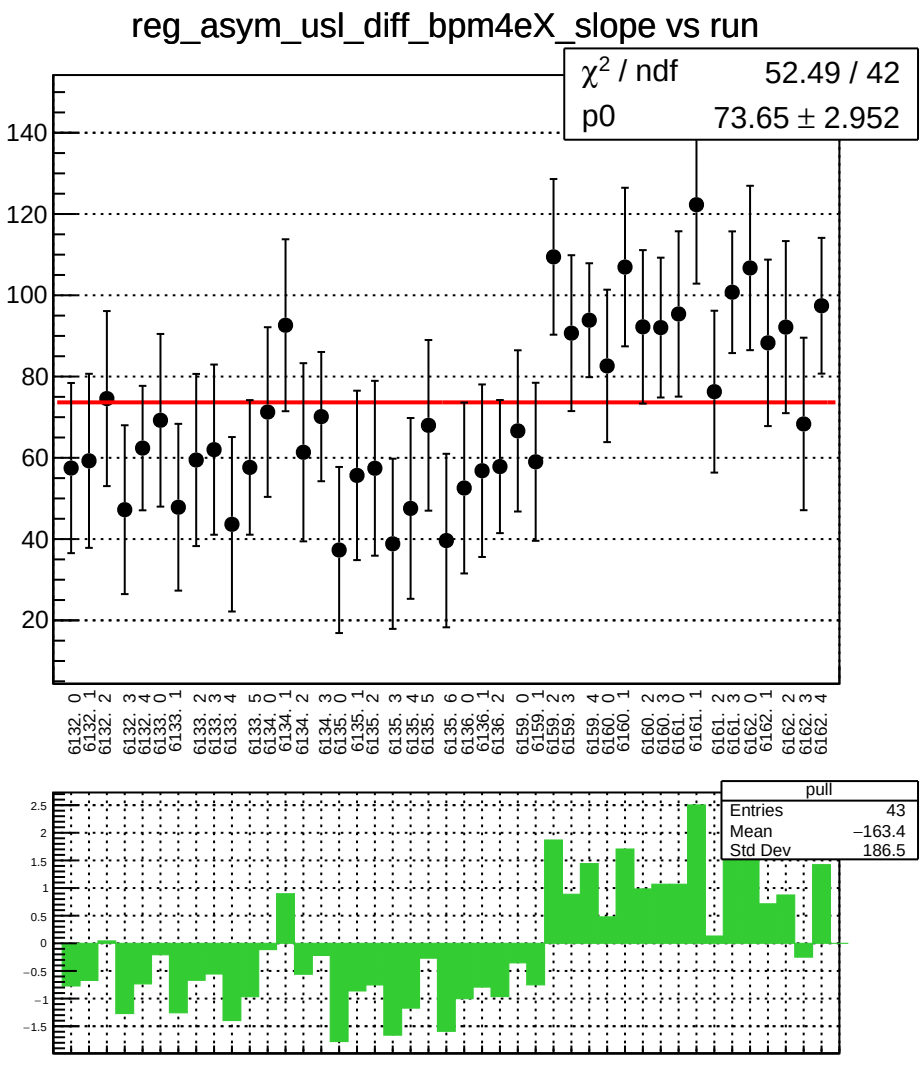

pull1D
Entries 43
Mean −0.03869
Std Dev 0.4063

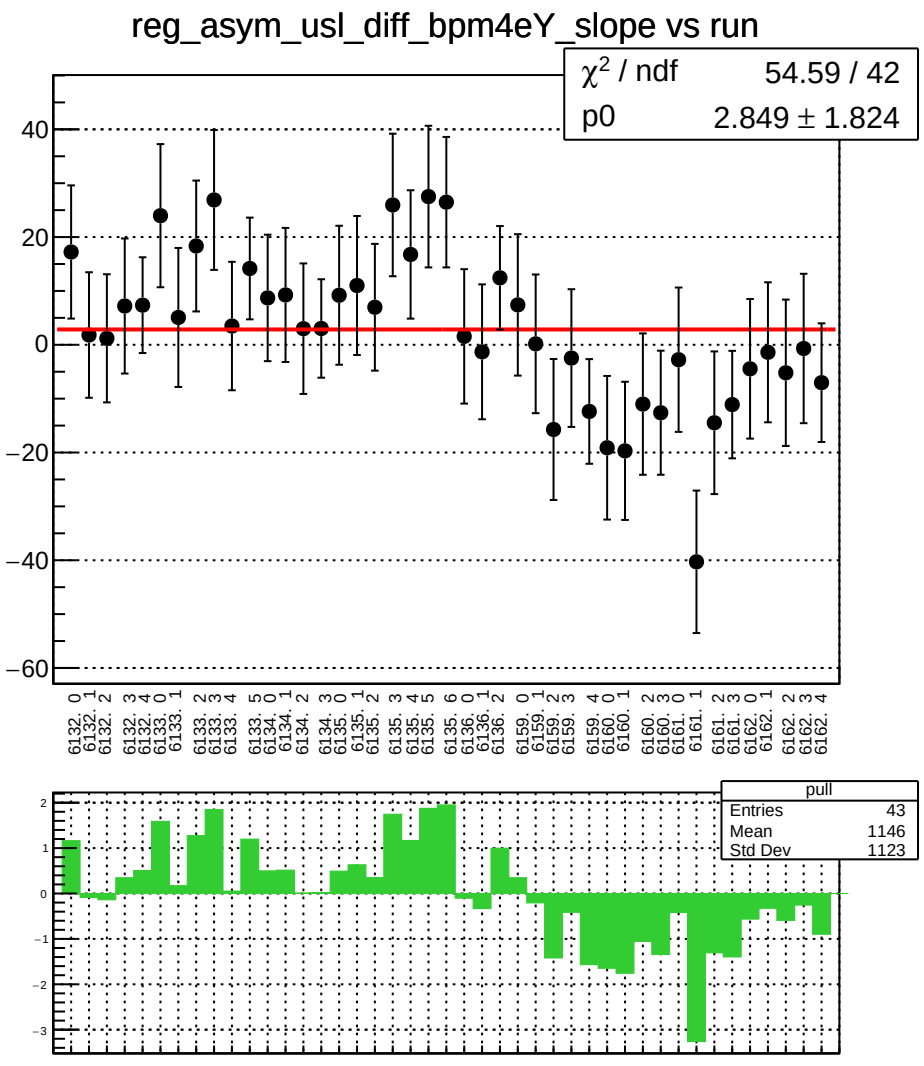

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 14.1 / 42
p0 −0.7867 ± 0.0419
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 48.97
Std Dev 22.59
1
0.5
0
−0.5
−1

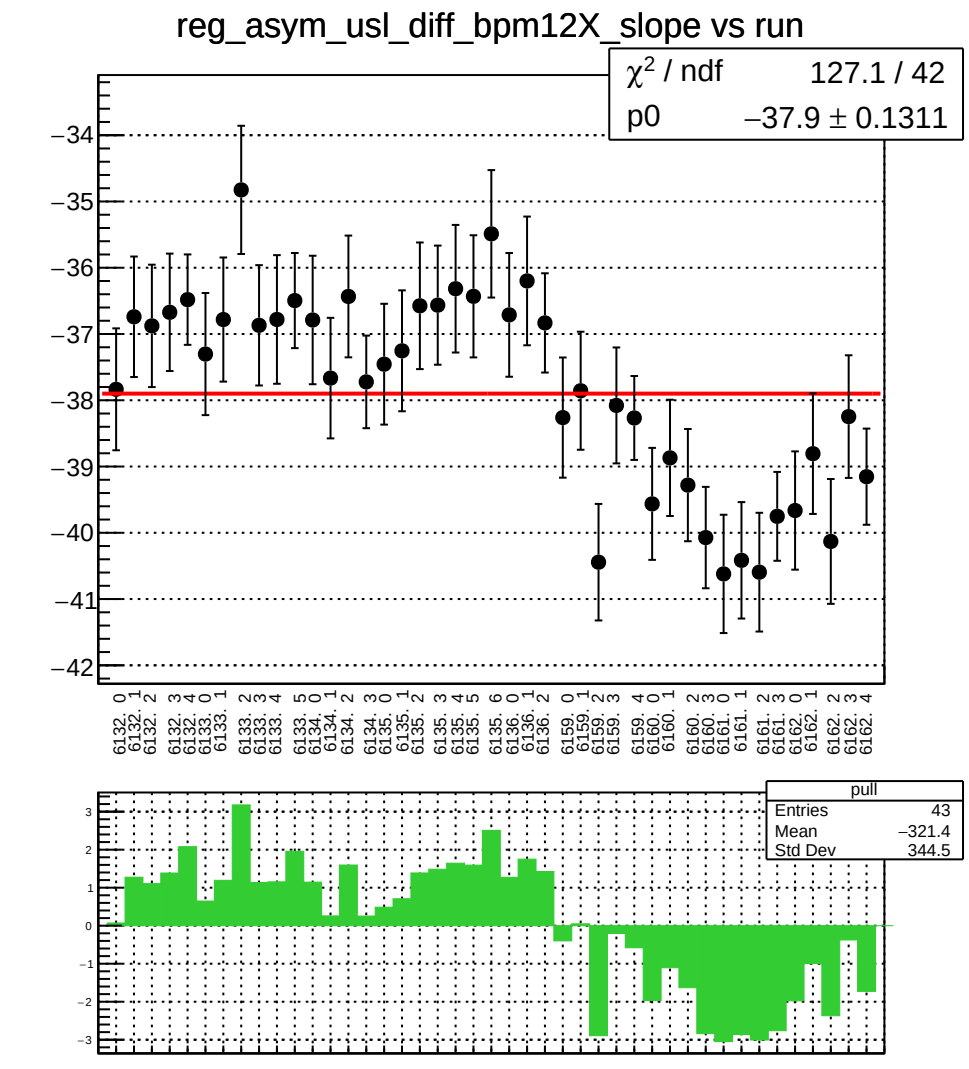

pull1D
Entries 43
Mean 0.0935
Std Dev 0.5649
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

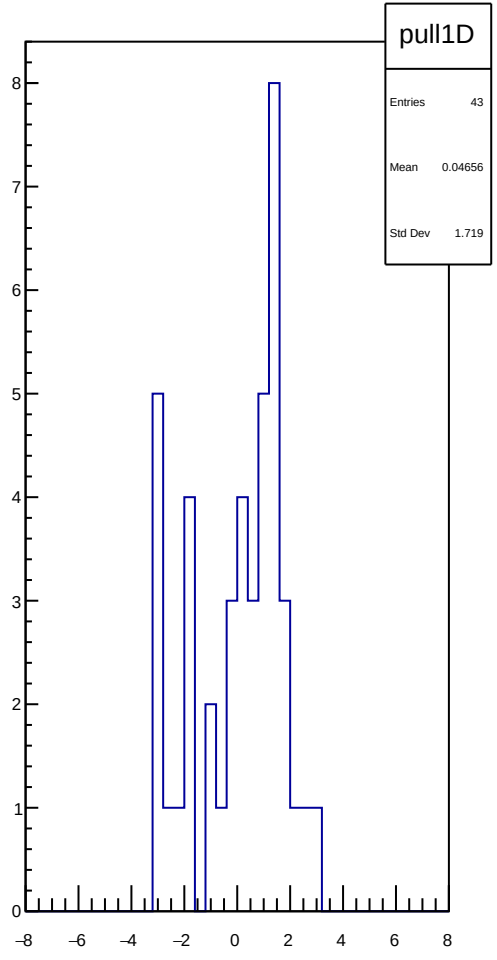

reg_asym_usl_diff_bpm4aX_slope vs run
χ² / ndf 57.33 / 42
p0 −104.9 ± 2.534
−60
−80
−100
−120
−140
−160
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −161.5
Std Dev 184.4
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean 0.05247
Std Dev 1.153
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

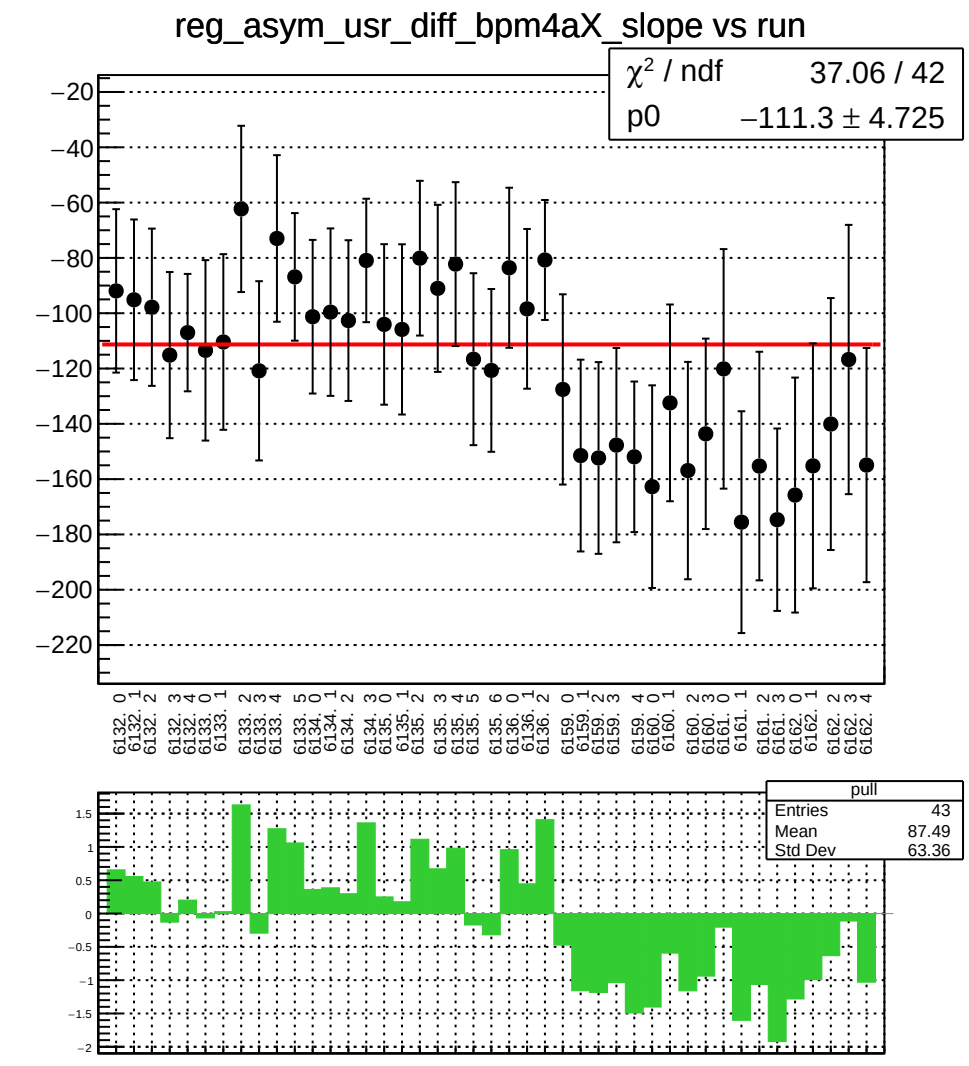

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 43.31 / 42
p0 14.85 ± 1.716
60
40
20
0
−20
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −4732
Std Dev 4755
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.001482
Std Dev 1.004
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

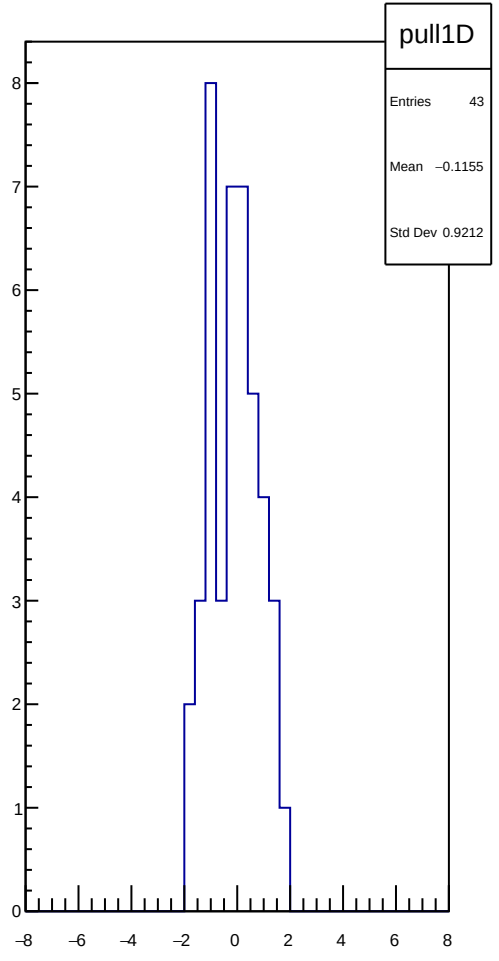

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 52.49 / 42
p0 73.65 ± 2.952
140
120
100
80
60
40
20
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −163.4
Std Dev 186.5
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.04785
Std Dev 1.104
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

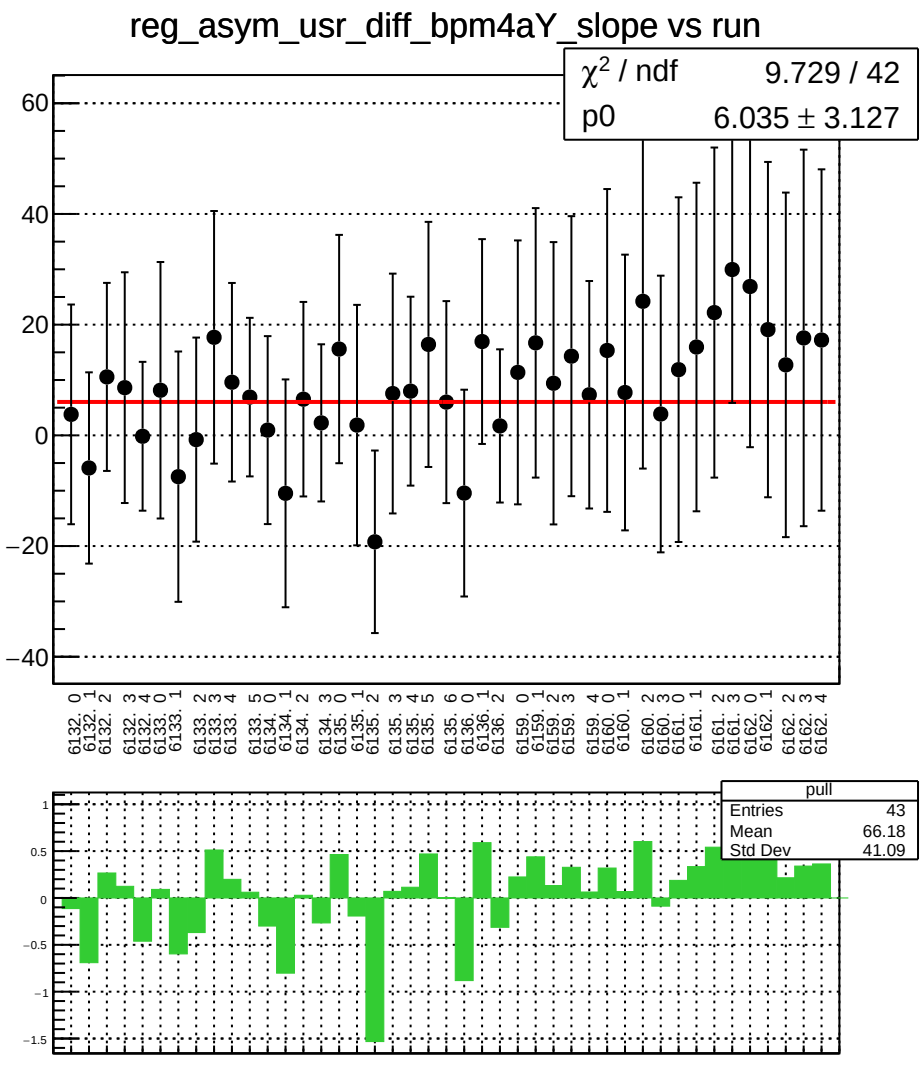

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 54.59 / 42
p0 2.849 ± 1.824
40
20
0
−20
−40
−60
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 1146
Std Dev 1123
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean −0.007665
Std Dev 1.127
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

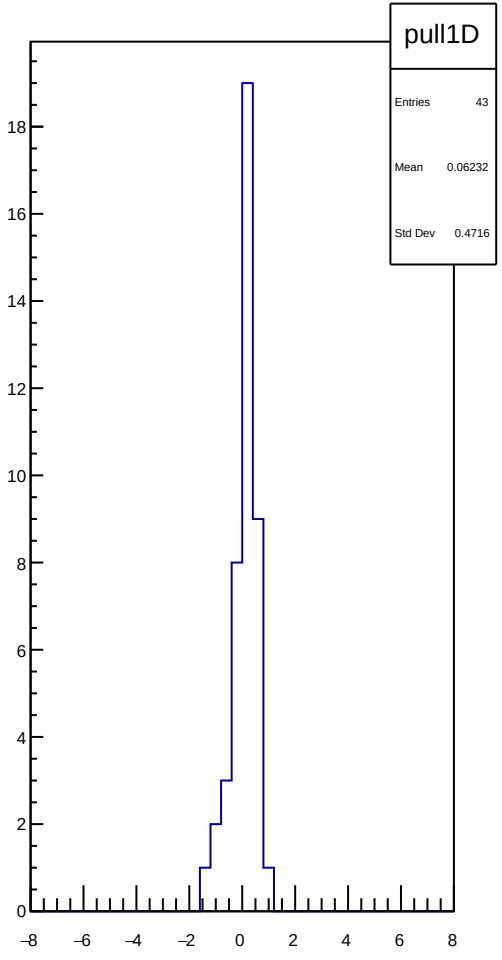

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 127.1 / 42
p0 −37.9 ± 0.1311
pull
Entries 43
Mean −321.4
Std Dev 344.5

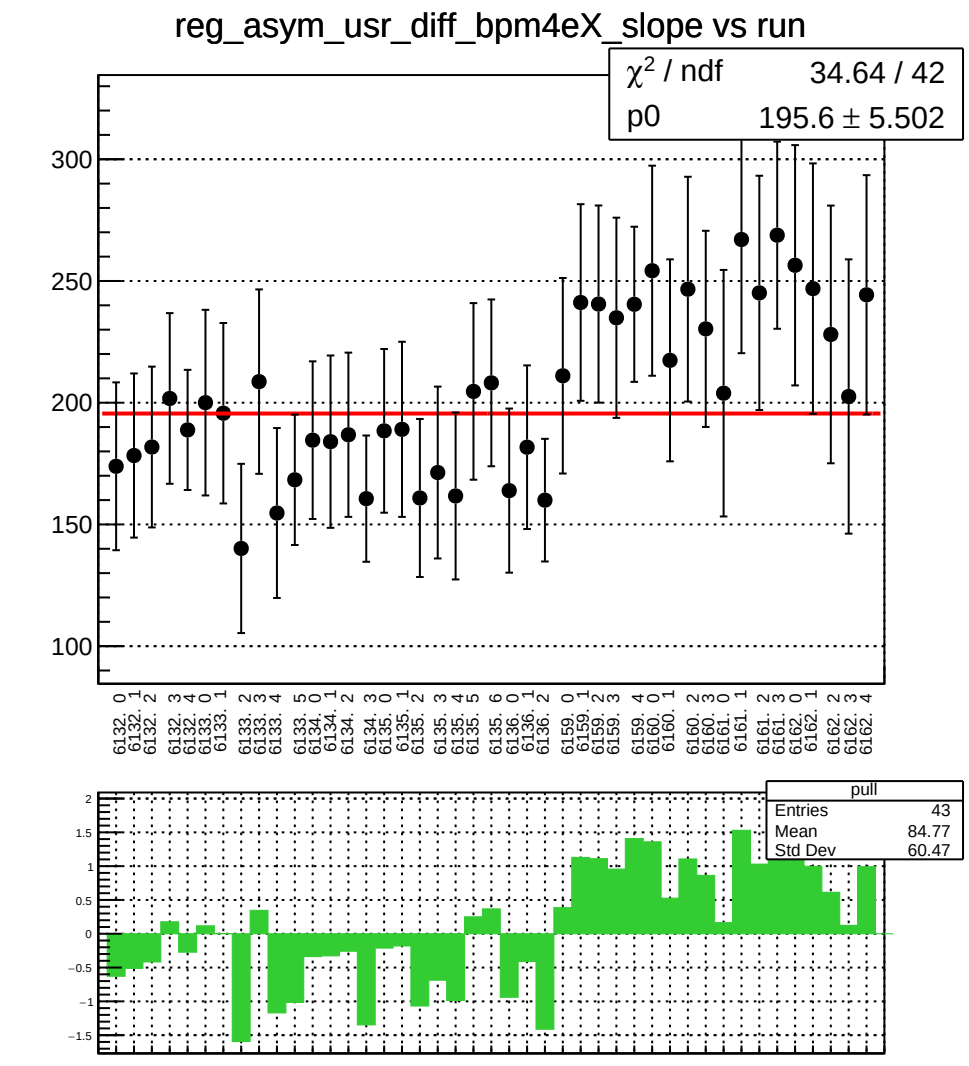

pull1D
Entries 43
Mean 0.04656
Std Dev 1.719

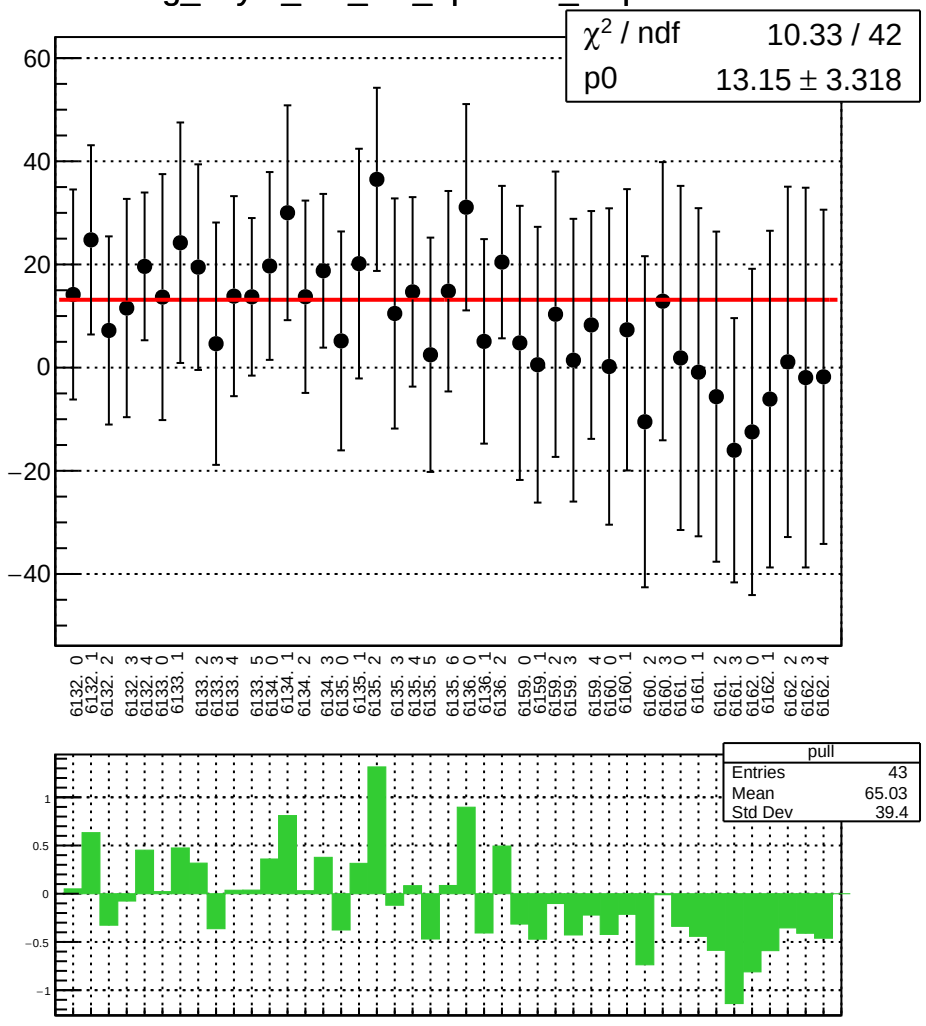

reg_asym_usr_diff_bpm4aX_slope vs run
χ² / ndf 37.06 / 42
p0 −111.3 ± 4.725
pull
Entries 43
Mean 87.49
Std Dev 63.36

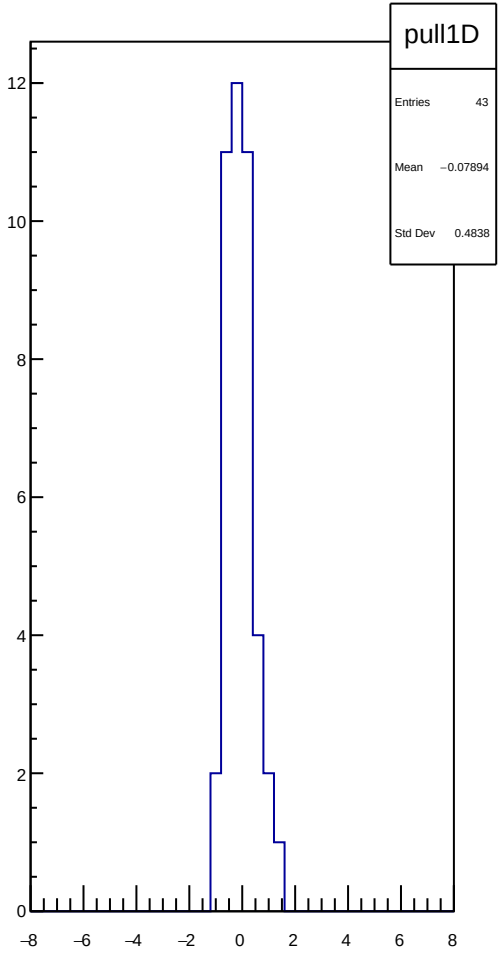

pull1D
Entries 43
Mean −0.1155
Std Dev 0.9212

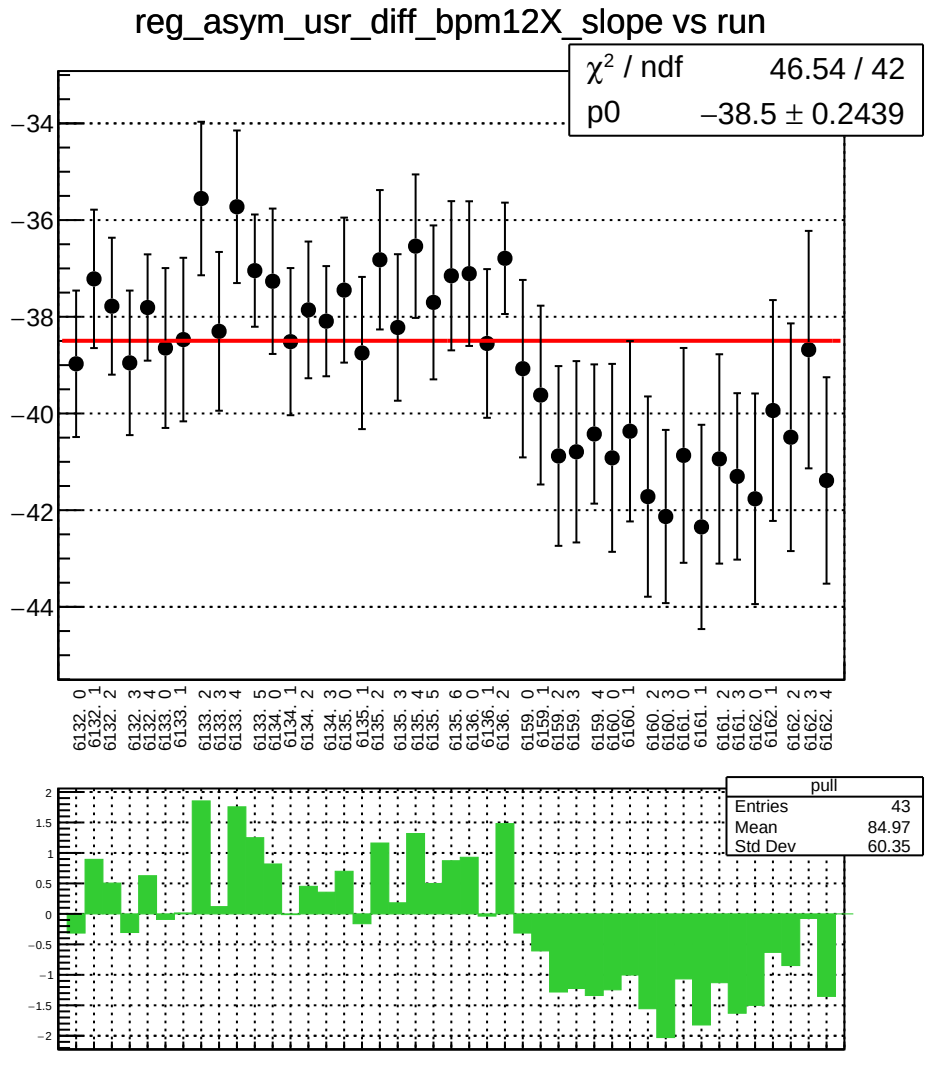

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 9.729 / 42
p0 6.035 ± 3.127
pull
Entries 43
Mean 66.18
Std Dev 41.09

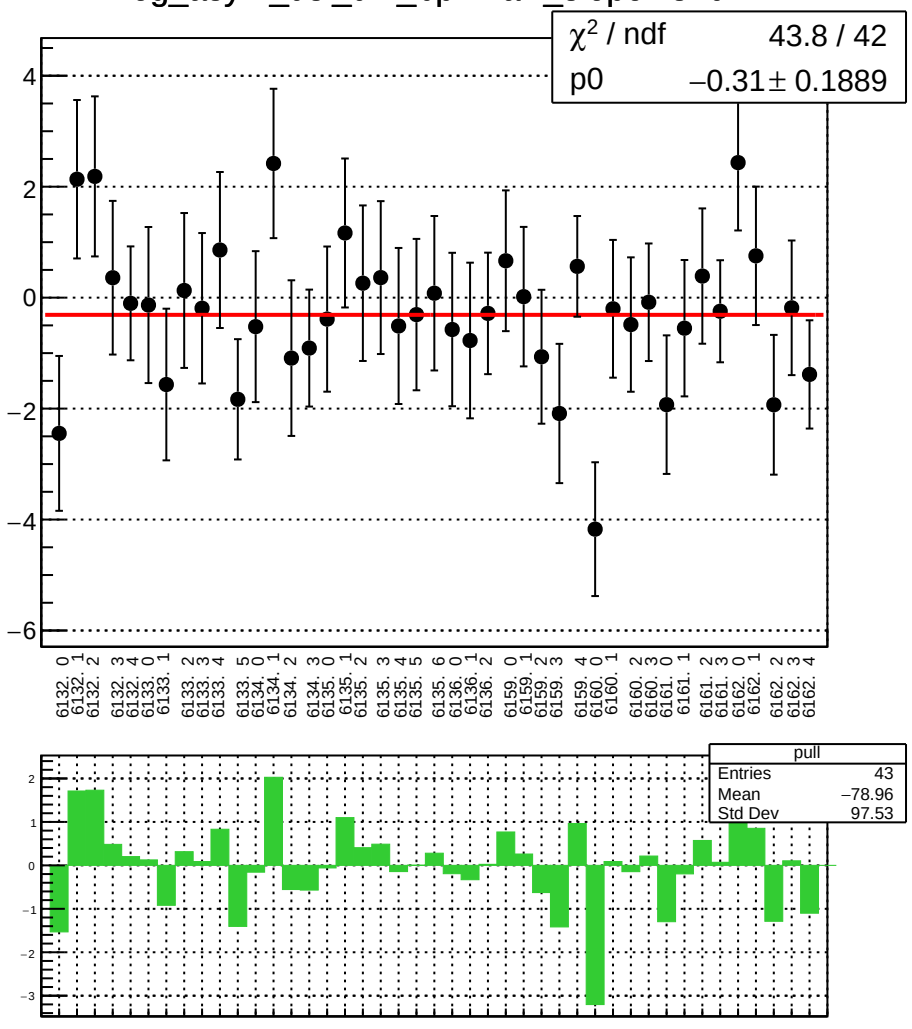

pull1D
Entries 43
Mean 0.06232
Std Dev 0.4716

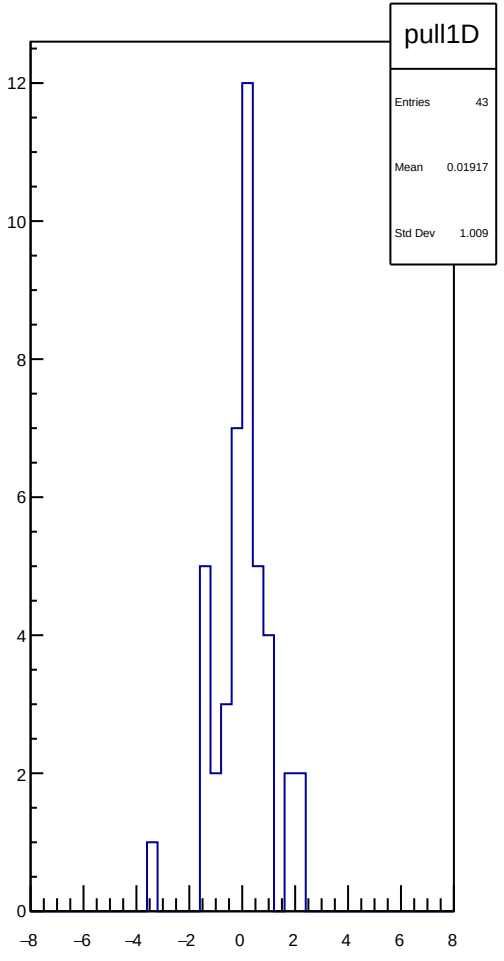

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 34.64 / 42
p0 195.6 ± 5.502
300
250
200
150
100
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 84.77
Std Dev 60.47
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.1144
Std Dev 0.8902
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

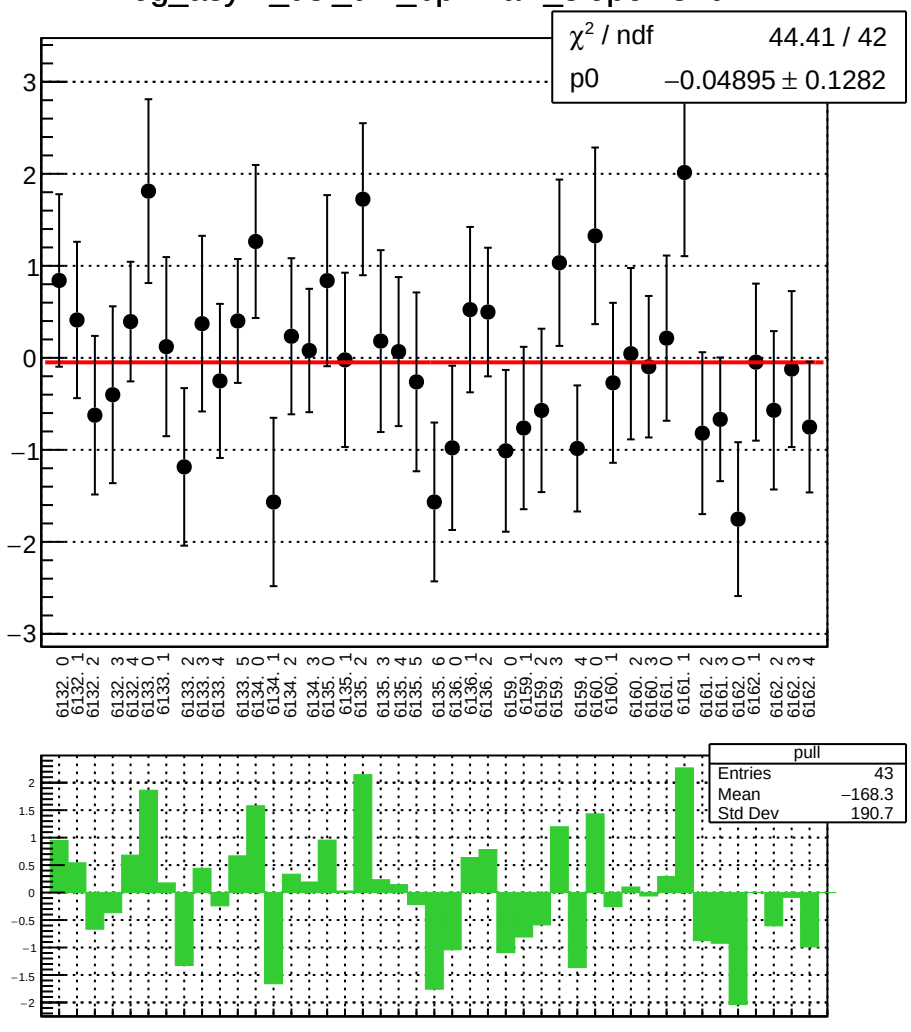

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 10.33 / 42
p0 13.15 ± 3.318
pull
Entries 43
Mean 65.03
Std Dev 39.4

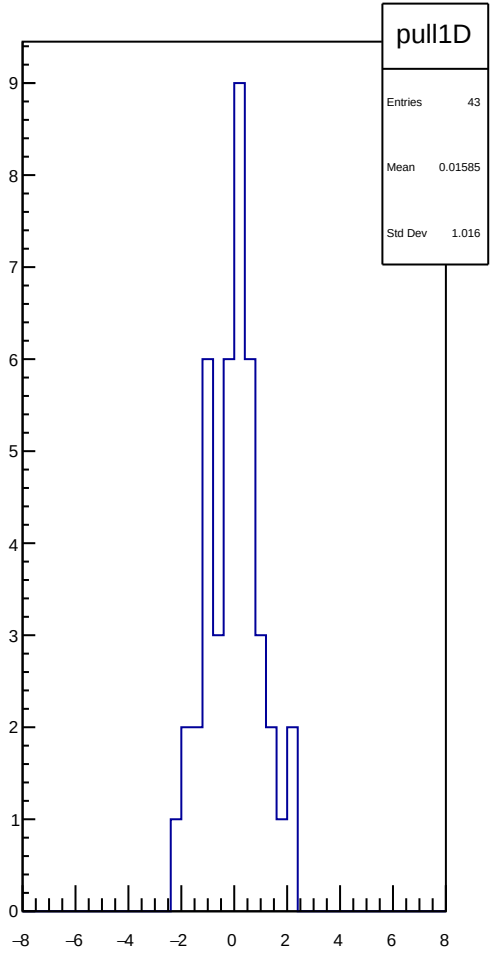

pull1D
Entries 43
Mean −0.07894
Std Dev 0.4838

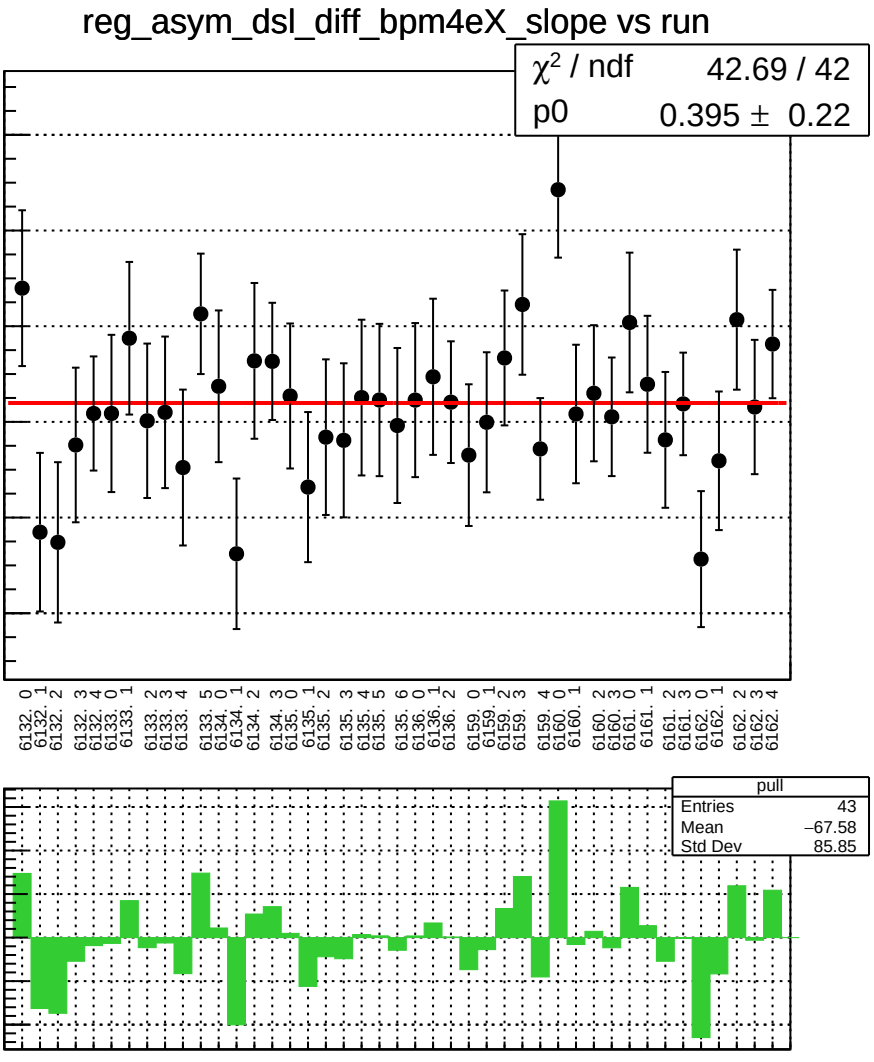

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 46.54 / 42
p0 −38.5 ± 0.2439
−34
−36
−38
−40
−42
−44
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 84.97
Std Dev 60.35
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.1345
Std Dev 1.032
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

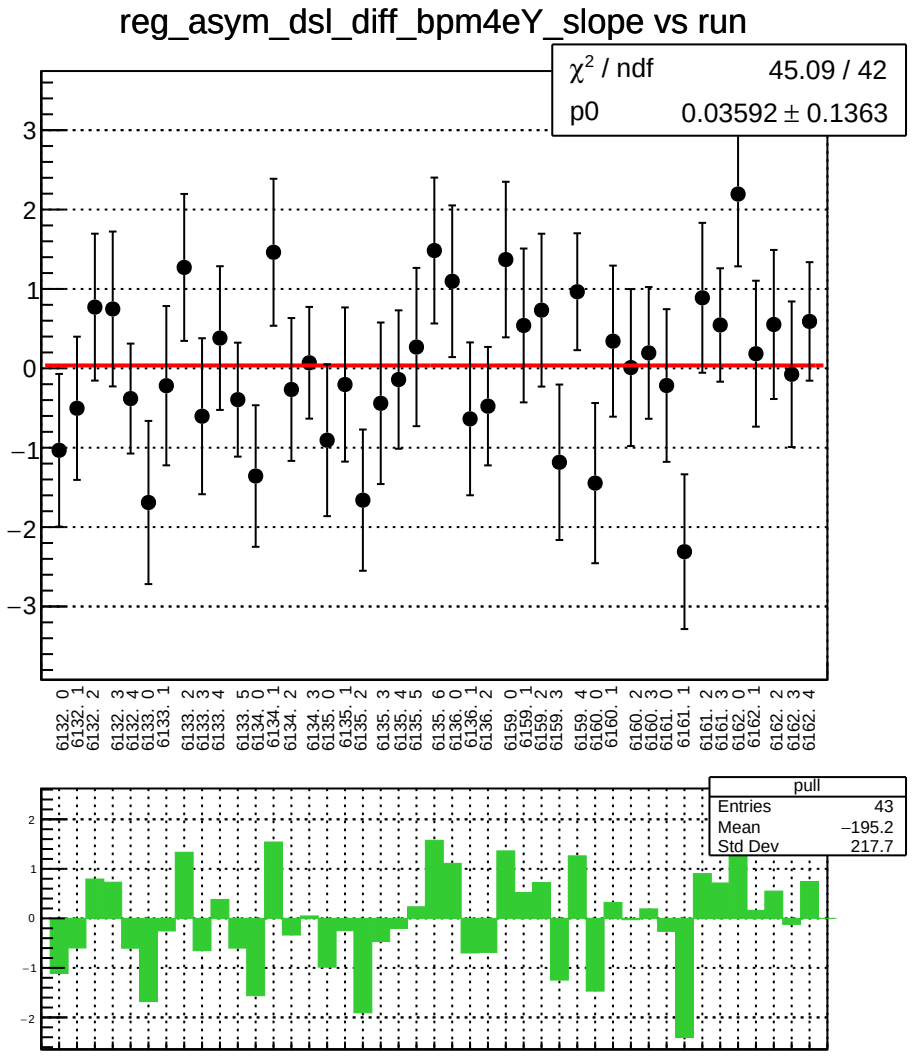

reg_asym_dsl_diff_bpm4aX_slope vs run
χ² / ndf 43.8 / 42
p0 −0.31 ± 0.1889
pull
Entries 43
Mean −78.96
Std Dev 97.53

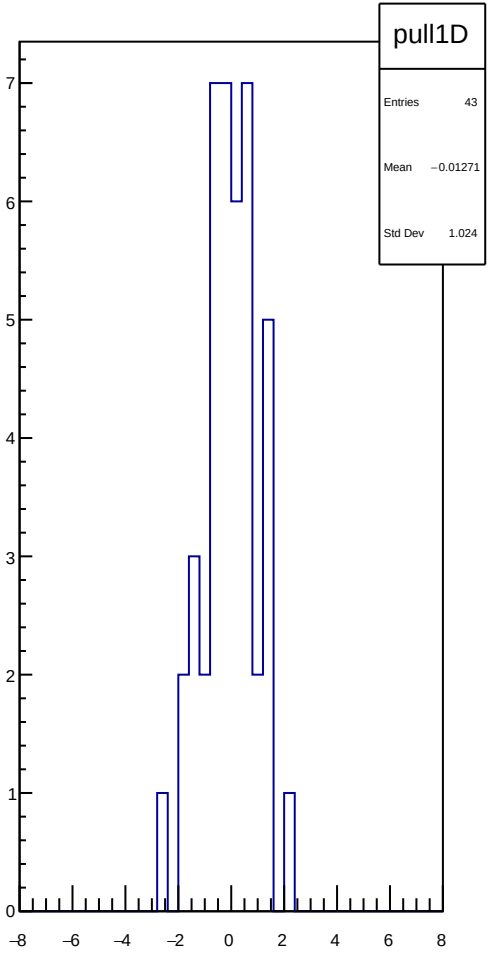

pull1D
Entries 43
Mean 0.01917
Std Dev 1.009

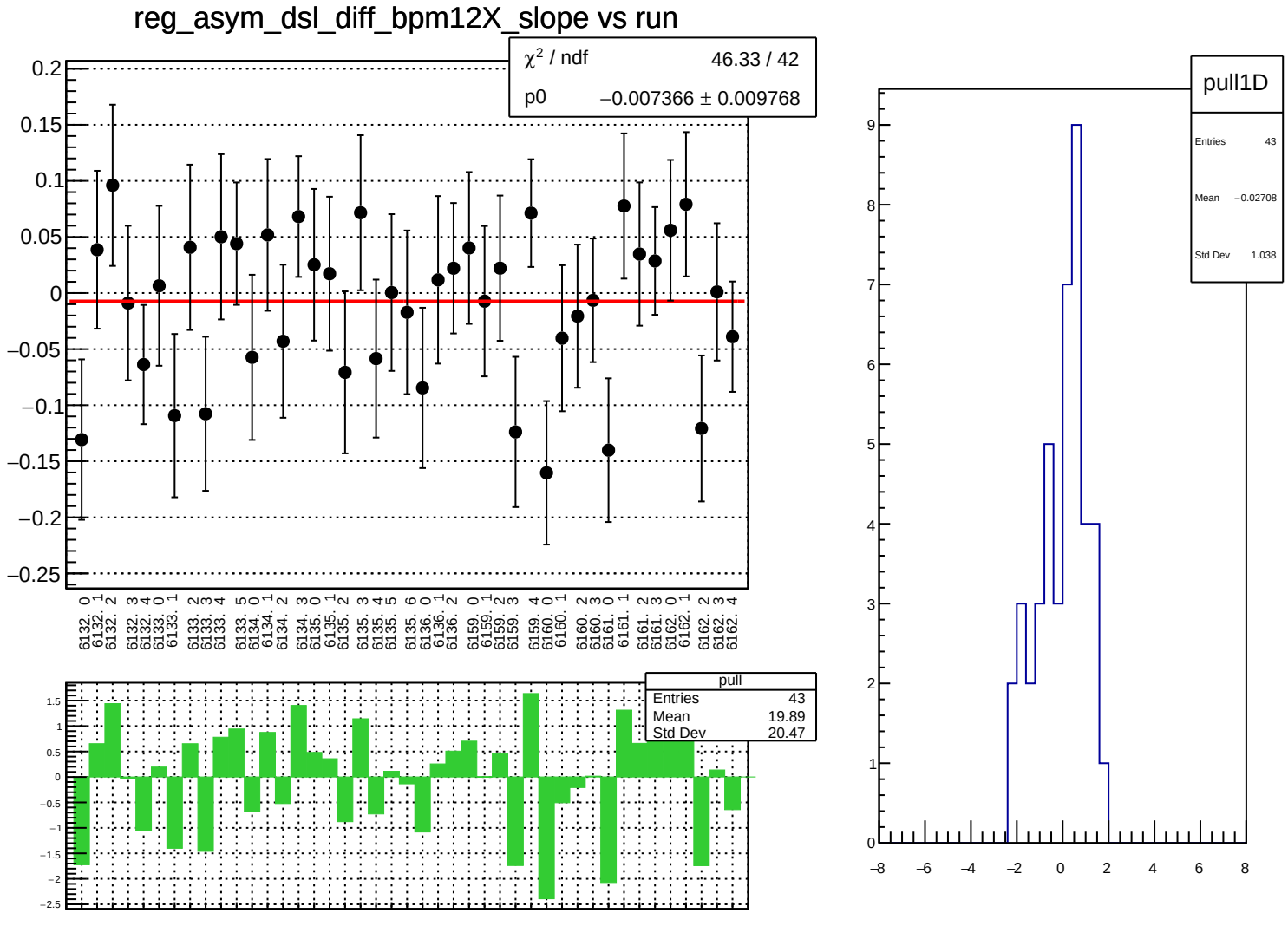

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 44.41 / 42
p0 −0.04895 ± 0.1282
pull
Entries 43
Mean −168.3
Std Dev 190.7

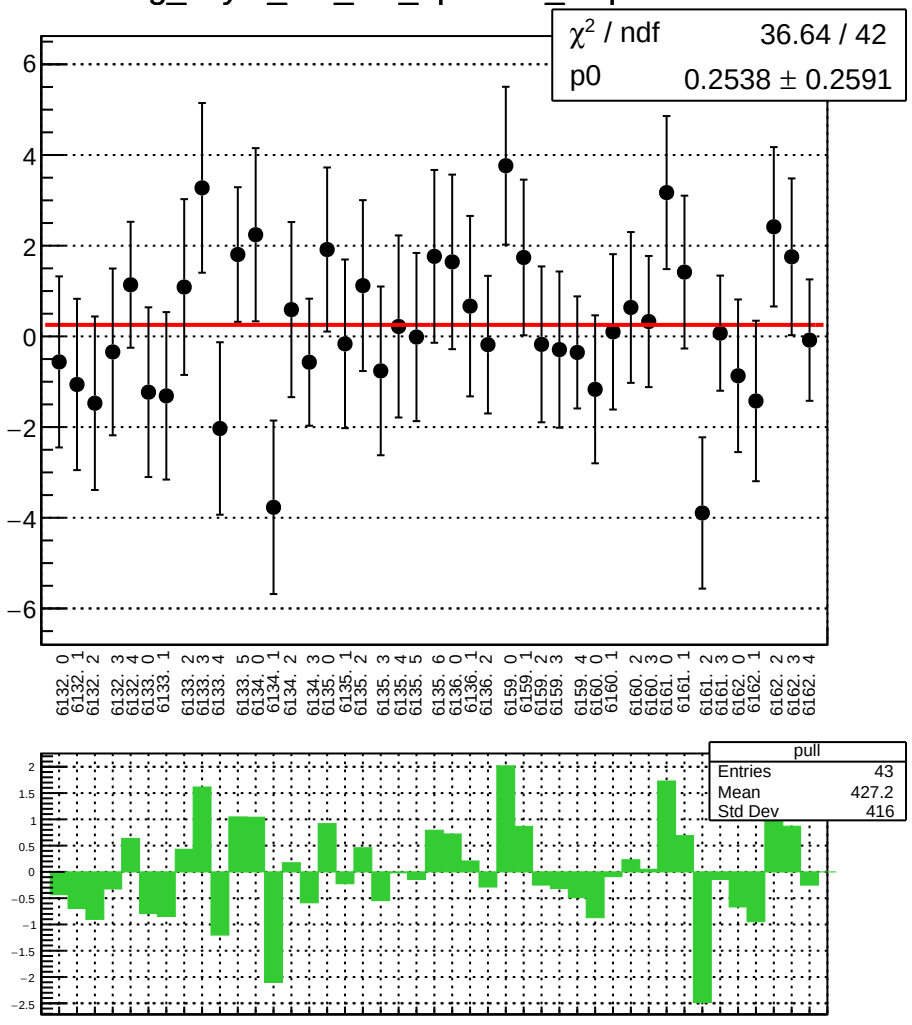

pull1D
Entries 43
Mean 0.01585
Std Dev 1.016

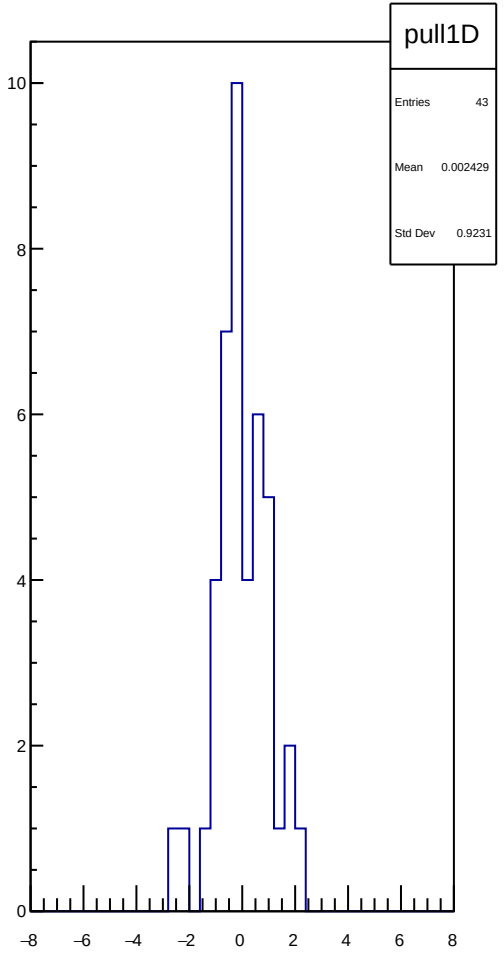

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 42.69 / 42
p0 0.395 ± 0.22
pull
Entries 43
Mean −67.58
Std Dev 85.85
pull1D
Entries 43
Mean −0.02065
Std Dev 0.9962

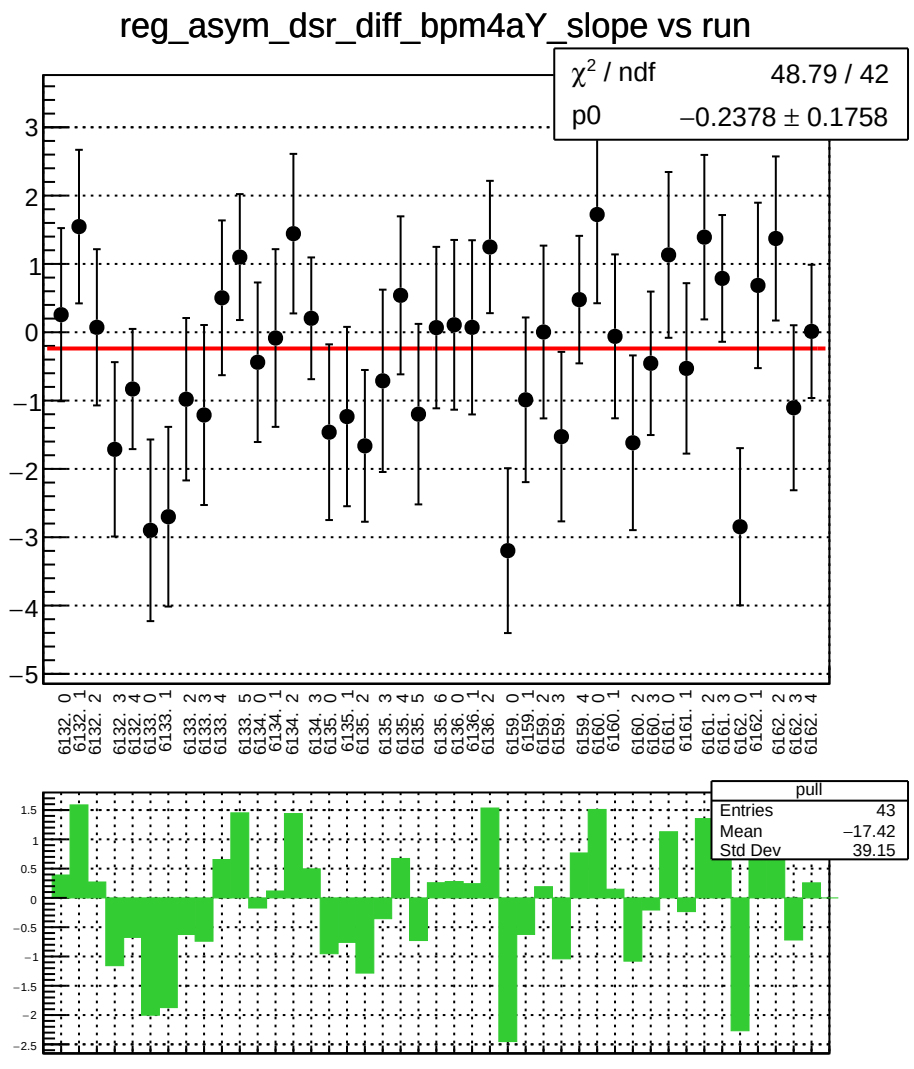

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 45.09 / 42
p0 0.03592 ± 0.1363
pull
Entries 43
Mean −195.2
Std Dev 217.7

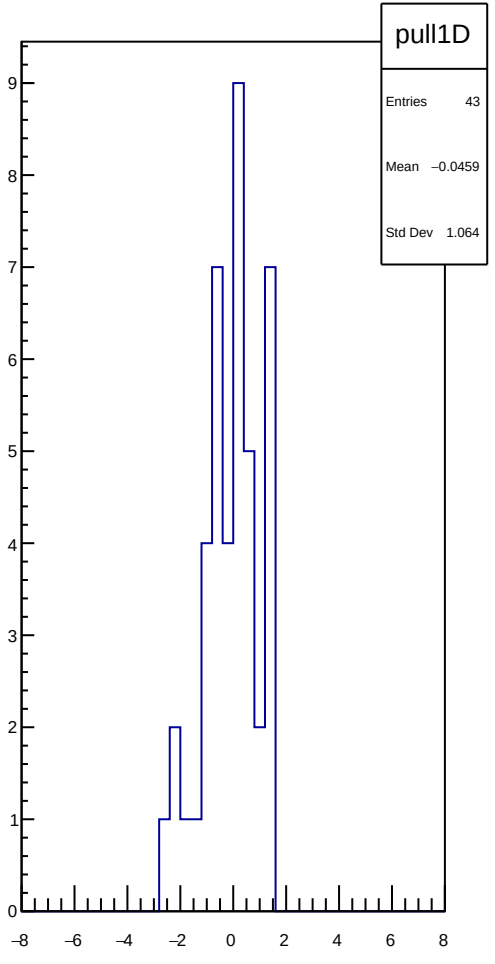

pull1D
Entries 43
Mean −0.01271
Std Dev 1.024

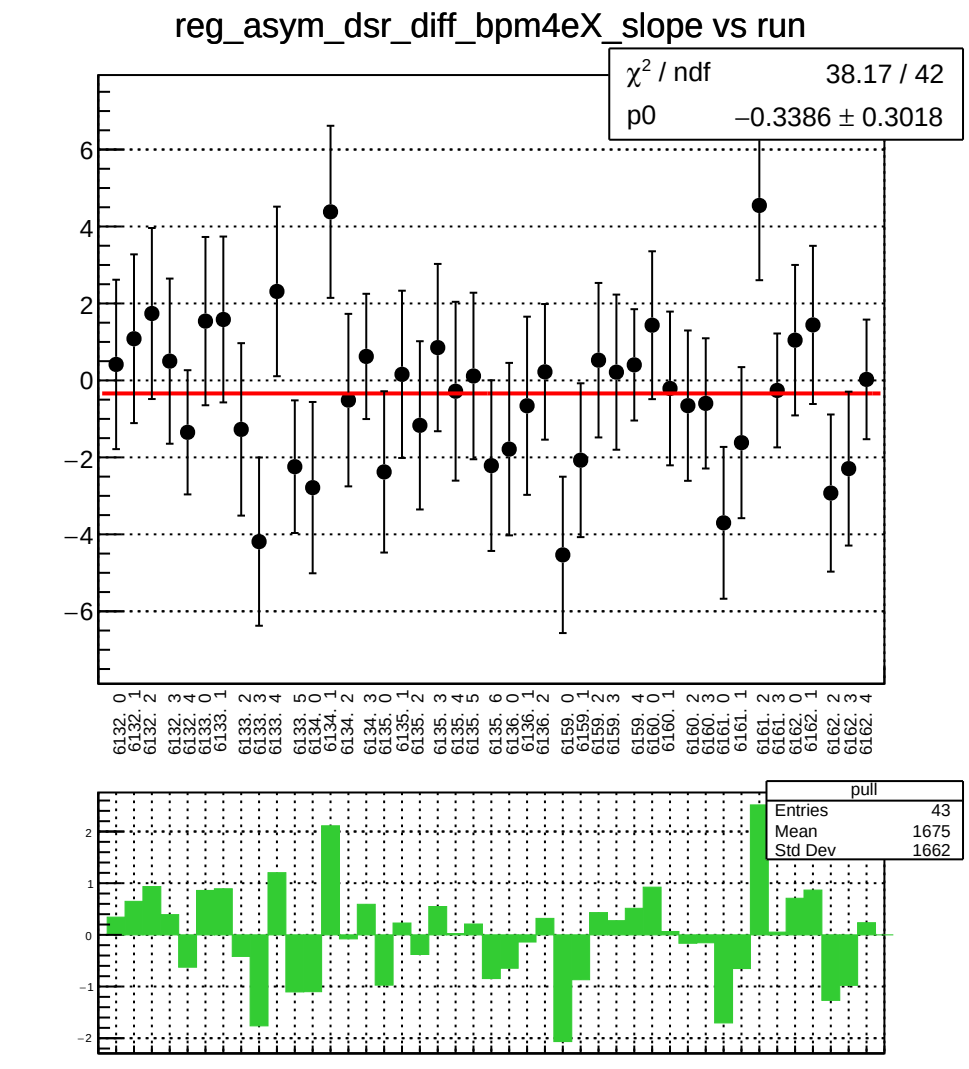

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 46.33 / 42
p0 −0.007366 ± 0.009768
pull
Entries 43
Mean 19.89
Std Dev 20.47
pull1D
Entries 43
Mean −0.02708
Std Dev 1.038

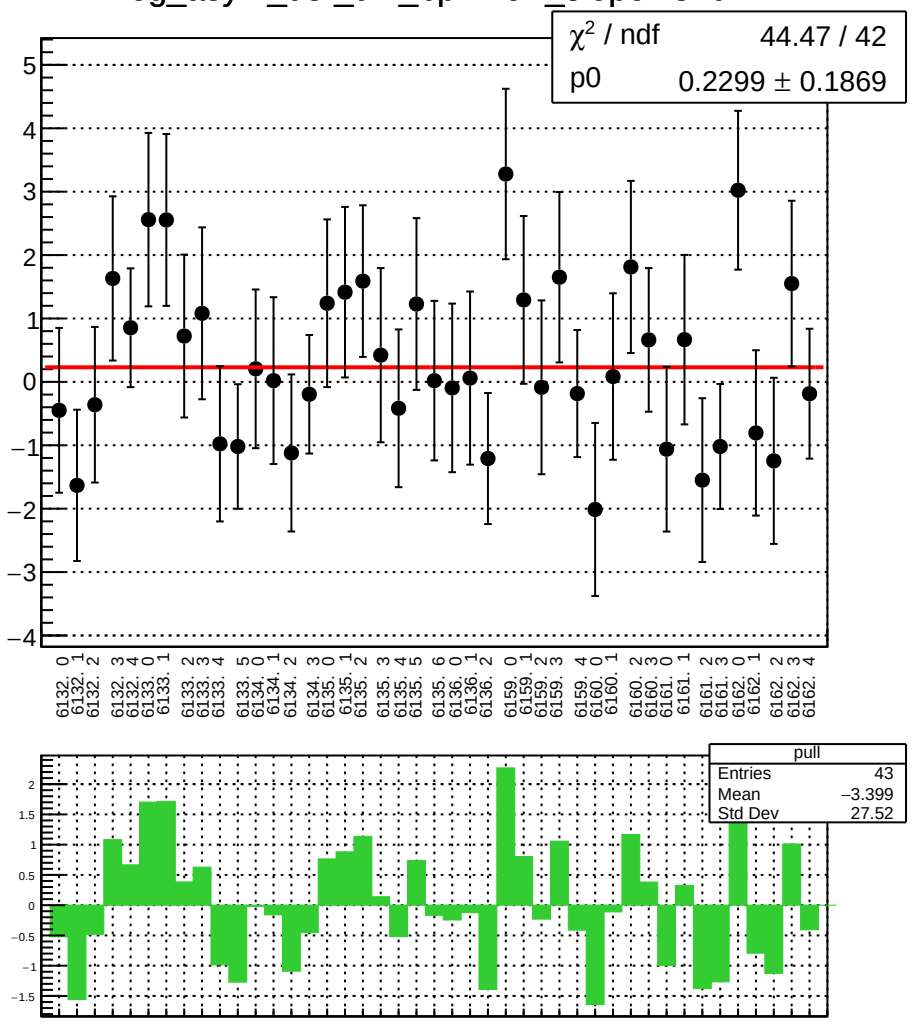

reg_asym_dsr_diff_bpm4aX_slope vs run
χ² / ndf 36.64 / 42
p0 0.2538 ± 0.2591
pull
Entries 43
Mean 427.2
Std Dev 416

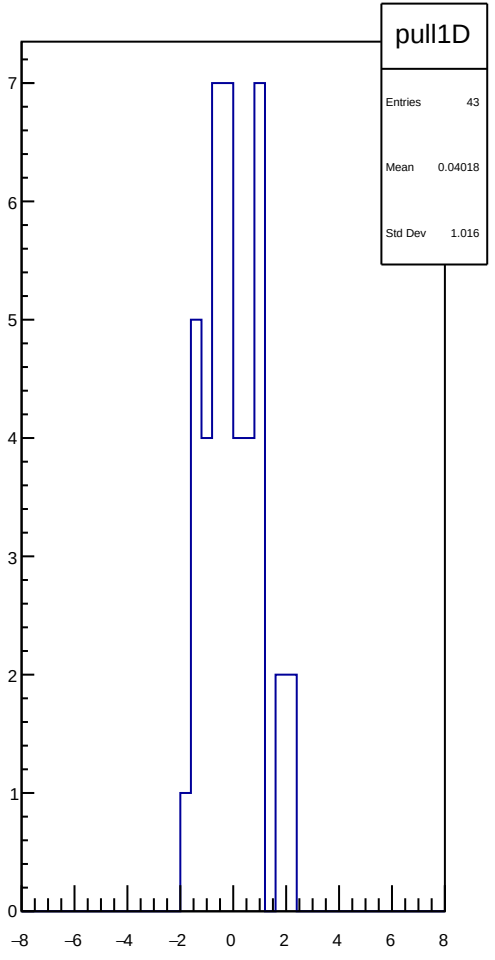

pull1D
Entries 43
Mean 0.002429
Std Dev 0.9231

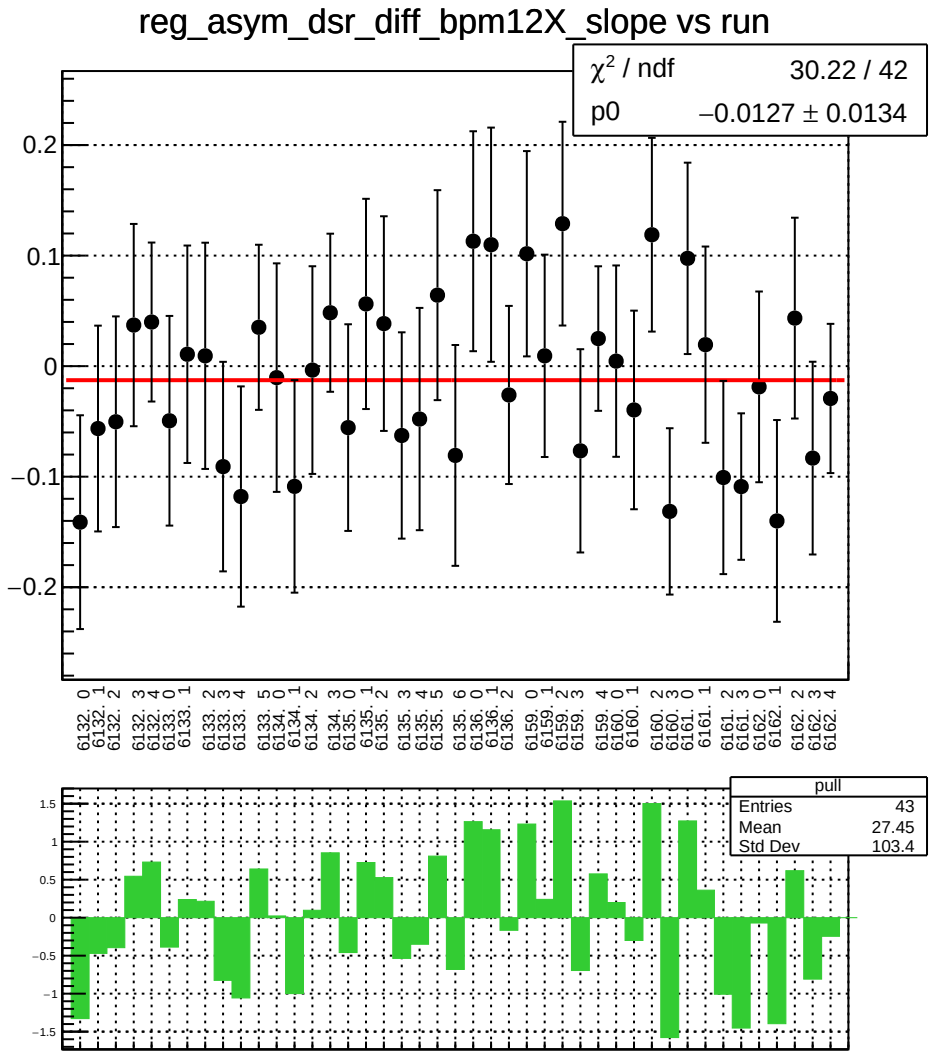

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 48.79 / 42
p0 −0.2378 ± 0.1758
pull
Entries 43
Mean −17.42
Std Dev 39.15

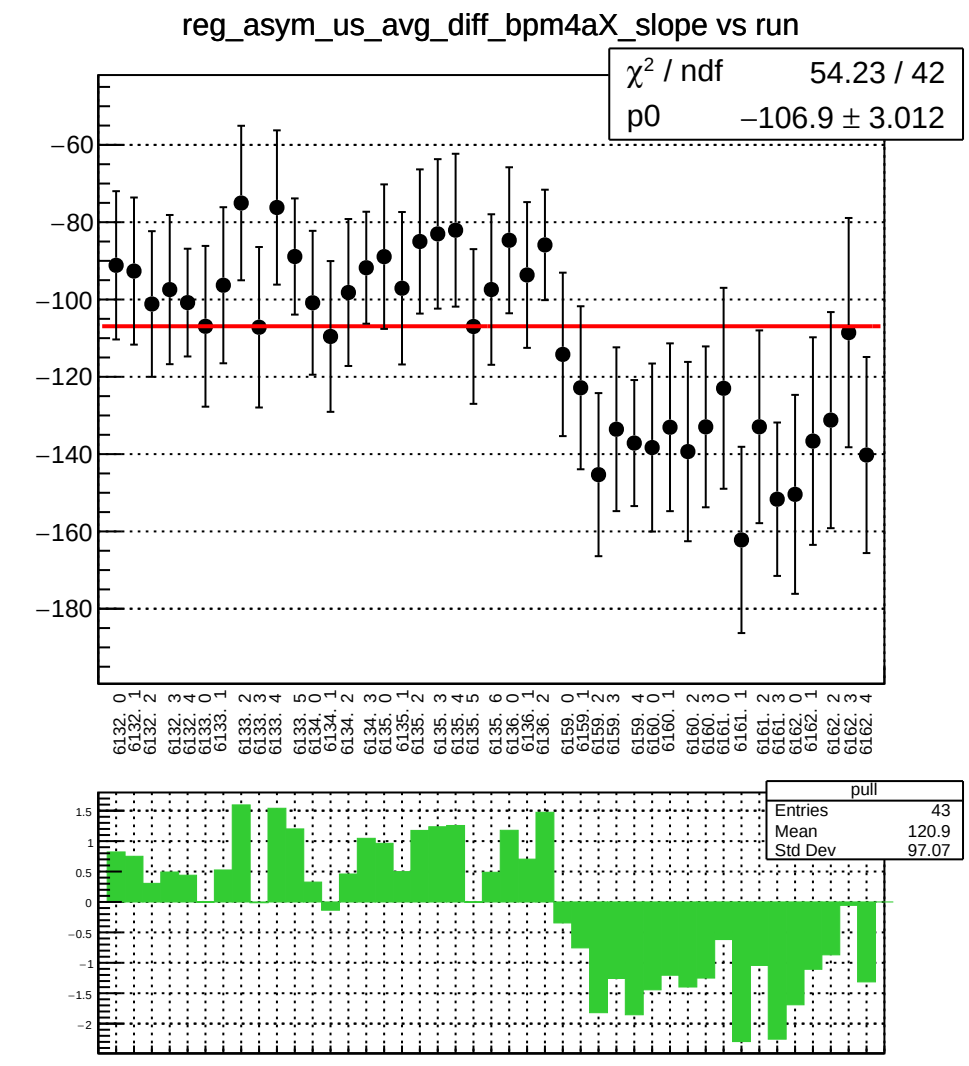

pull1D
Entries 43
Mean −0.0459
Std Dev 1.064

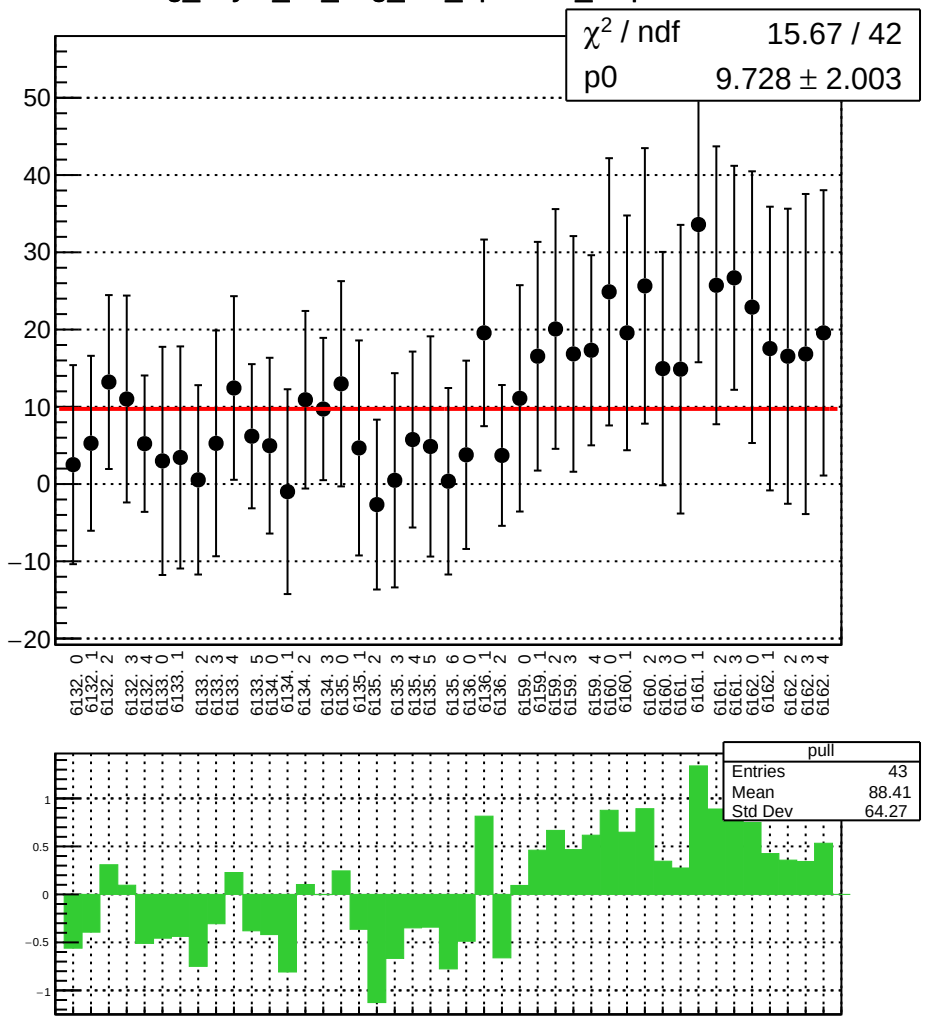

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 38.17 / 42
p0 −0.3386 ± 0.3018
6
4
2
0
−2
−4
−6
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 1675
Std Dev 1662
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.0006275
Std Dev 0.9421
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

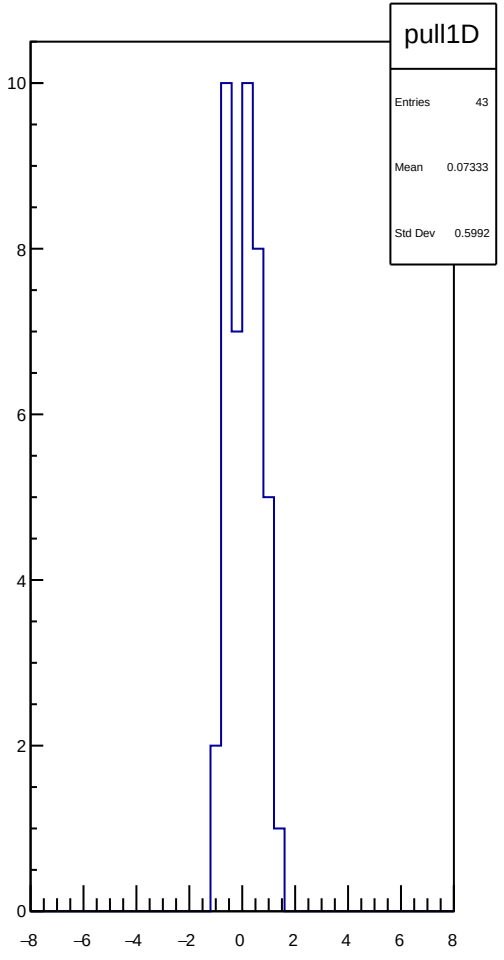

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 44.47 / 42
p0 0.2299 ± 0.1869
pull
Entries 43
Mean −3.399
Std Dev 27.52

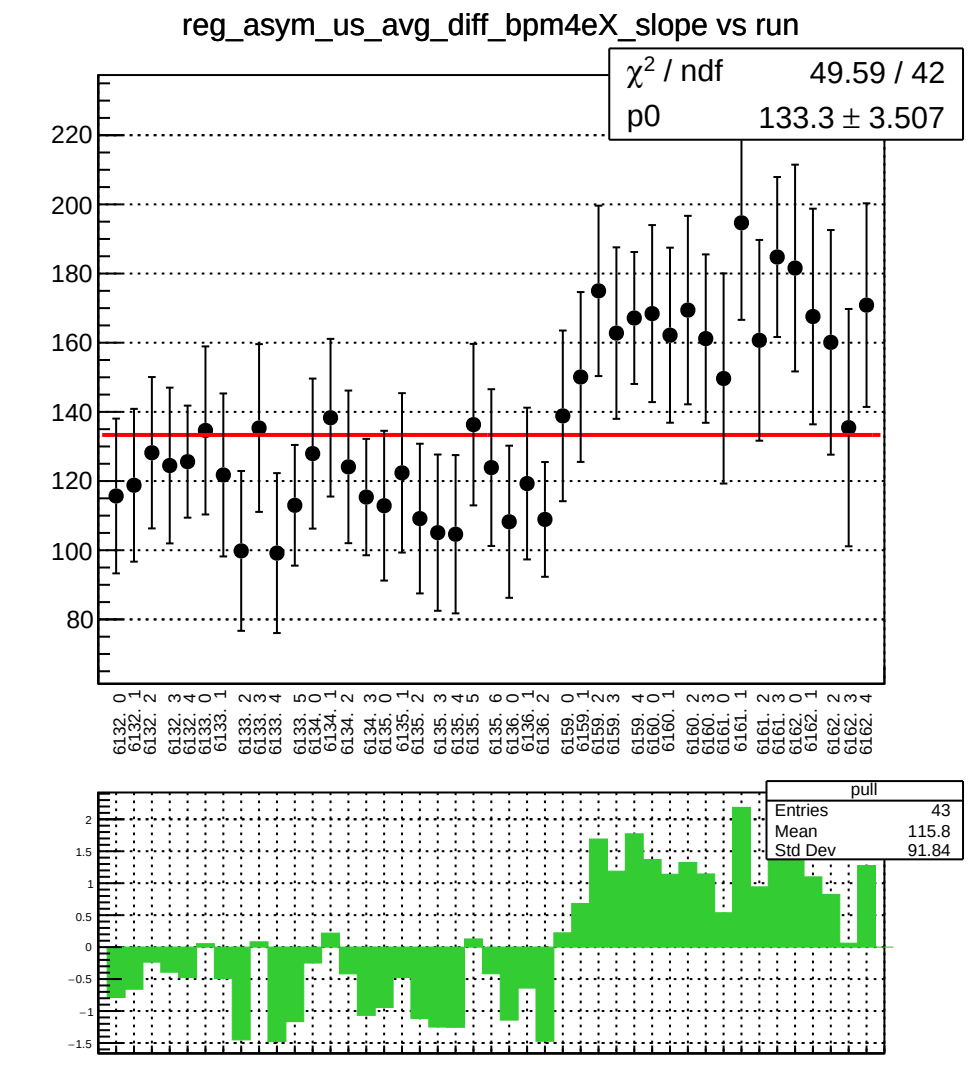

pull1D
Entries 43
Mean 0.04018
Std Dev 1.016

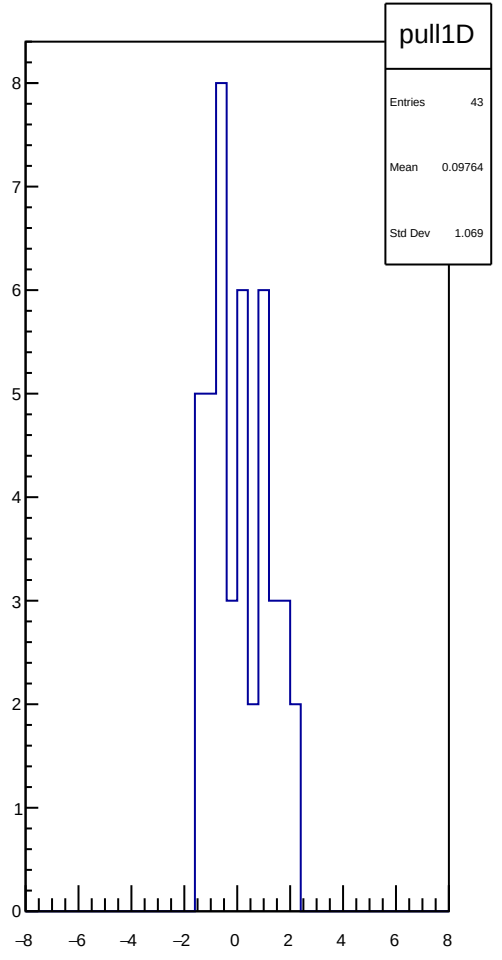

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 30.22 / 42
p0 −0.0127 ± 0.0134
0.2
0.1
0
−0.1
−0.2
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 27.45
Std Dev 103.4
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.003789
Std Dev 0.8384
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

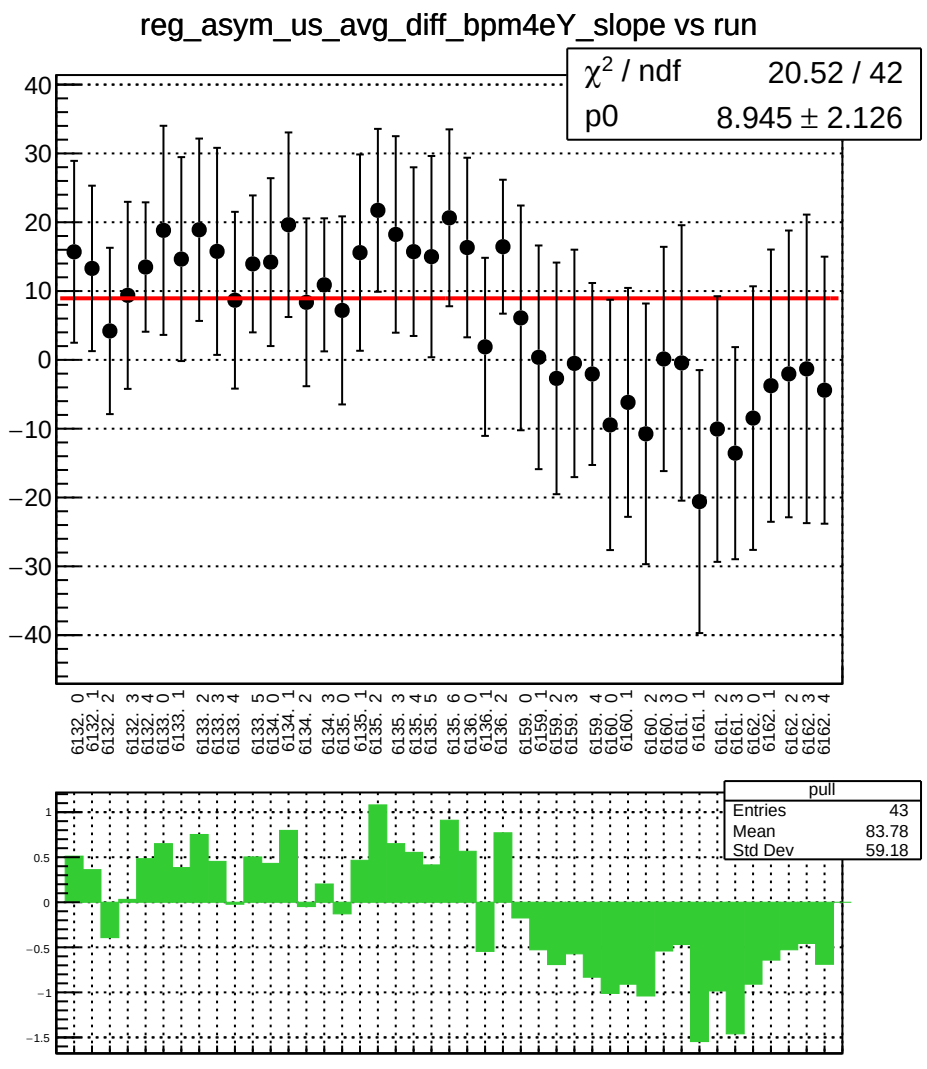

reg_asym_us_avg_diff_bpm4aX_slope vs run
χ² / ndf 54.23 / 42
p0 −106.9 ± 3.012
−60
−80
−100
−120
−140
−160
−180
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 120.9
Std Dev 97.07
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.09879
Std Dev 1.119
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

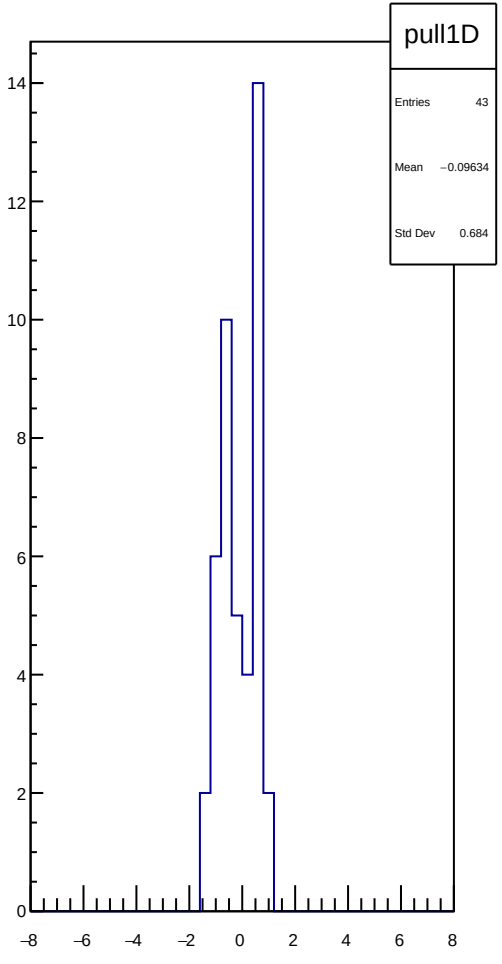

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 15.67 / 42
p0 9.728 ± 2.003
pull
Entries 43
Mean 88.41
Std Dev 64.27

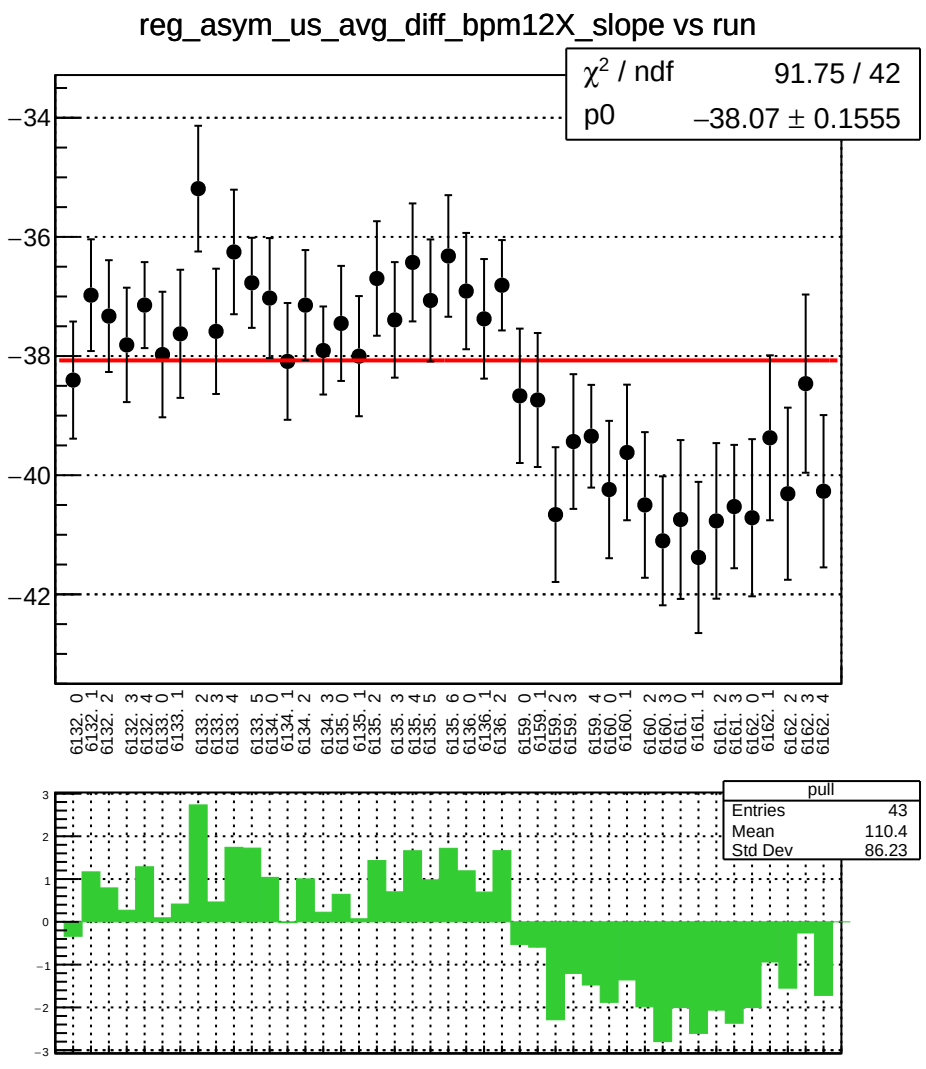

pull1D
Entries 43
Mean 0.07333
Std Dev 0.5992

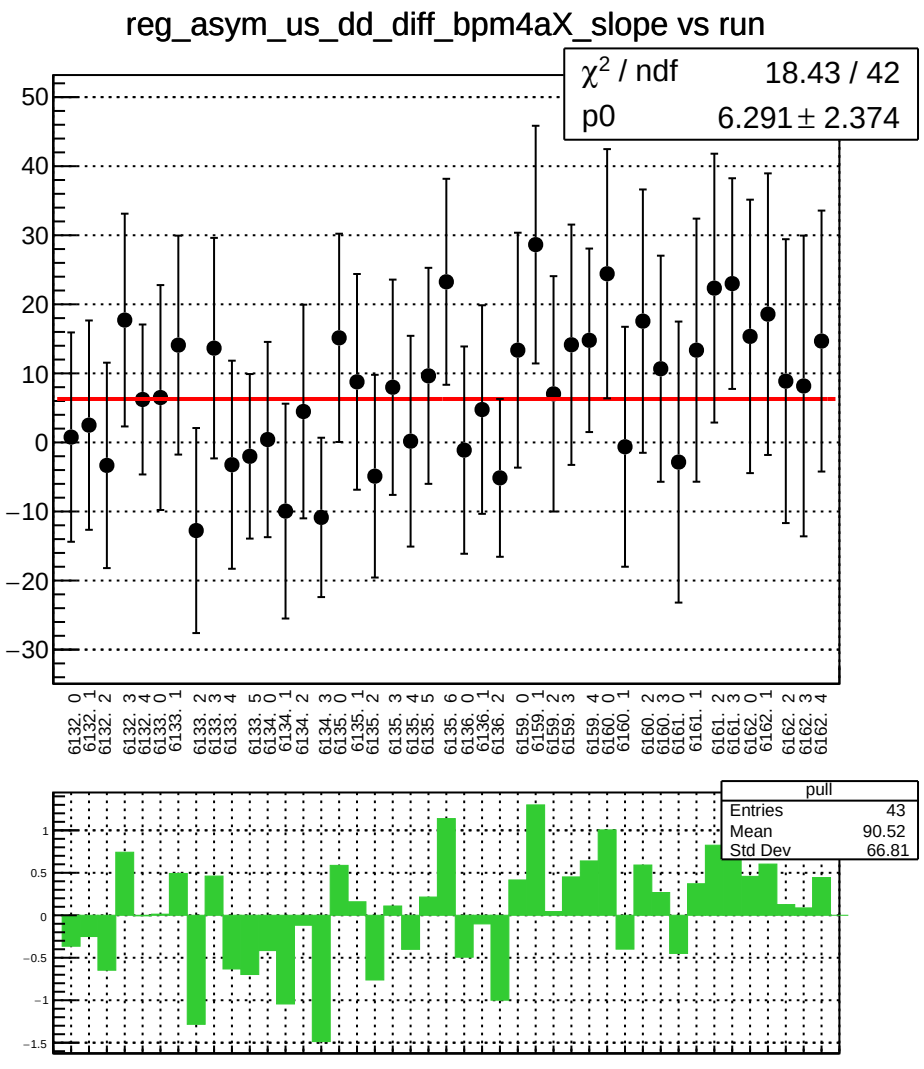

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 49.59 / 42
p0 133.3 ± 3.507
220
200
180
160
140
120
100
80
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 115.8
Std Dev 91.84
2
1.5
1
0.5
0
−0.5
−1
−1.5

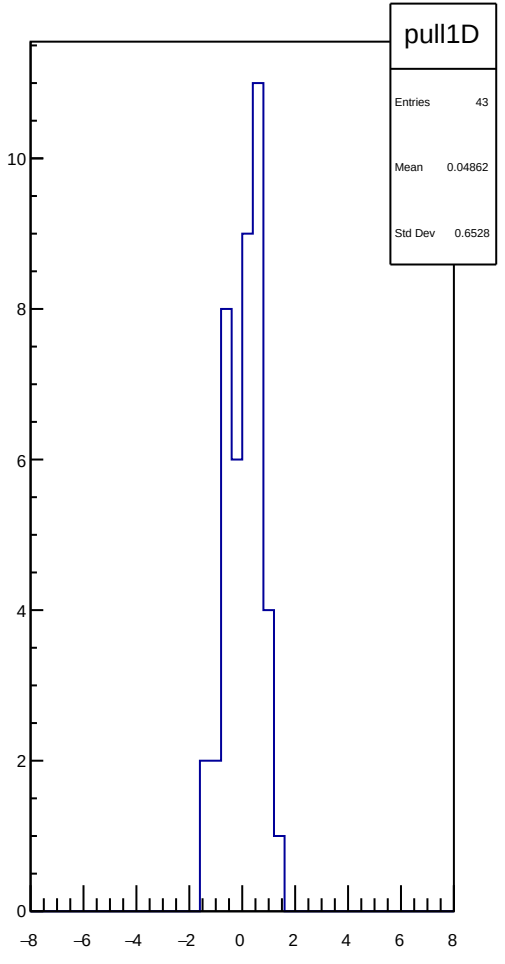

pull1D
Entries 43
Mean 0.09764
Std Dev 1.069
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

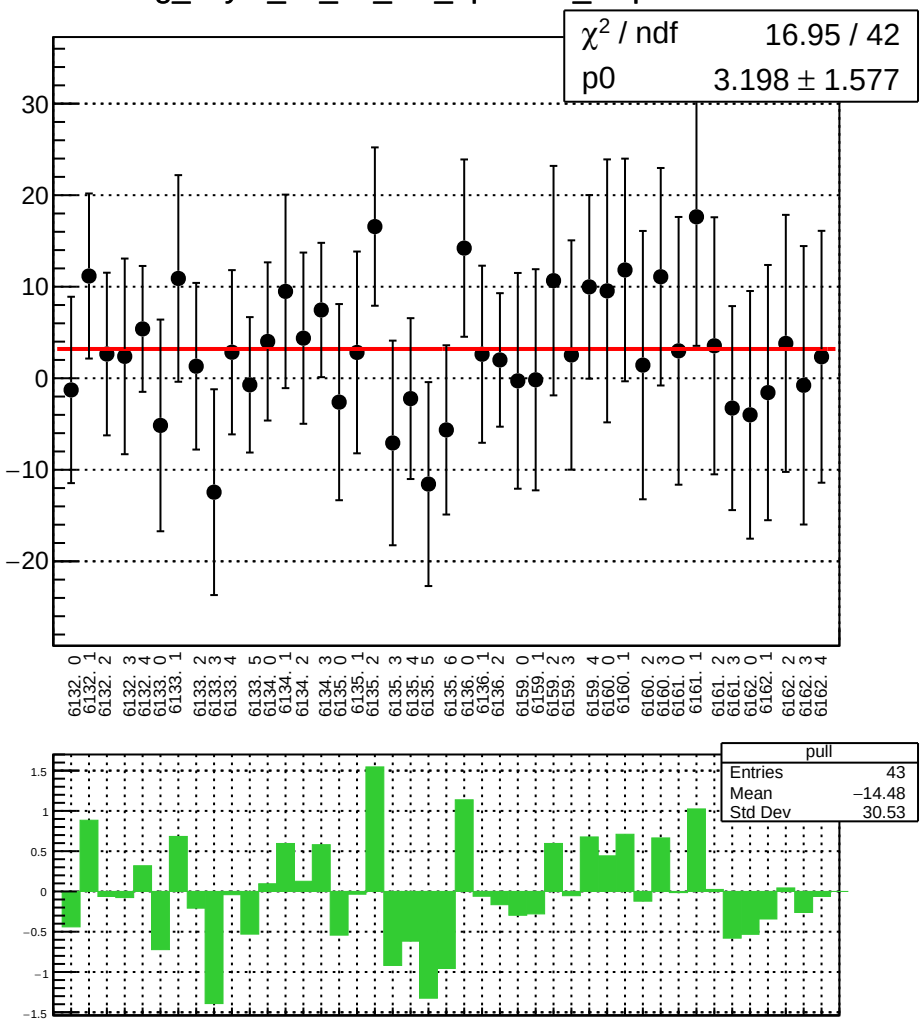

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 20.52 / 42
p0 8.945 ± 2.126
pull
Entries 43
Mean 83.78
Std Dev 59.18

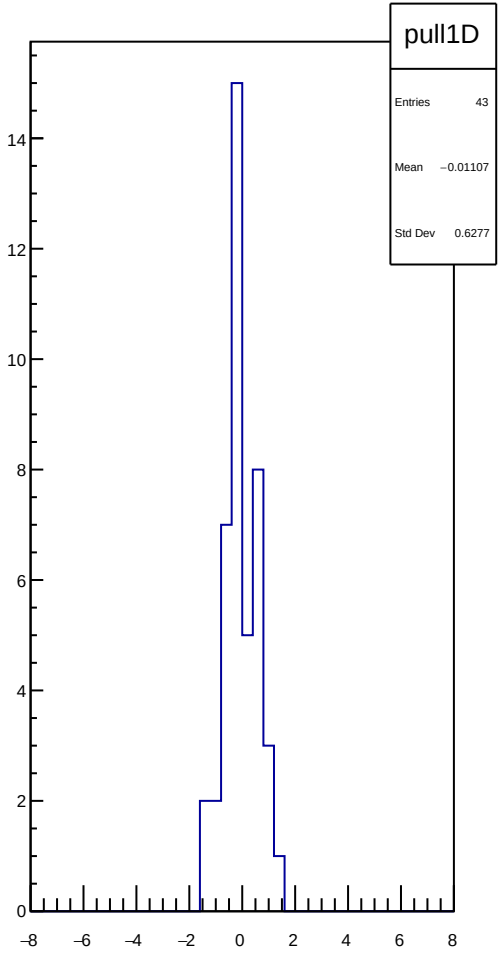

pull1D
Entries 43
Mean −0.09634
Std Dev 0.684

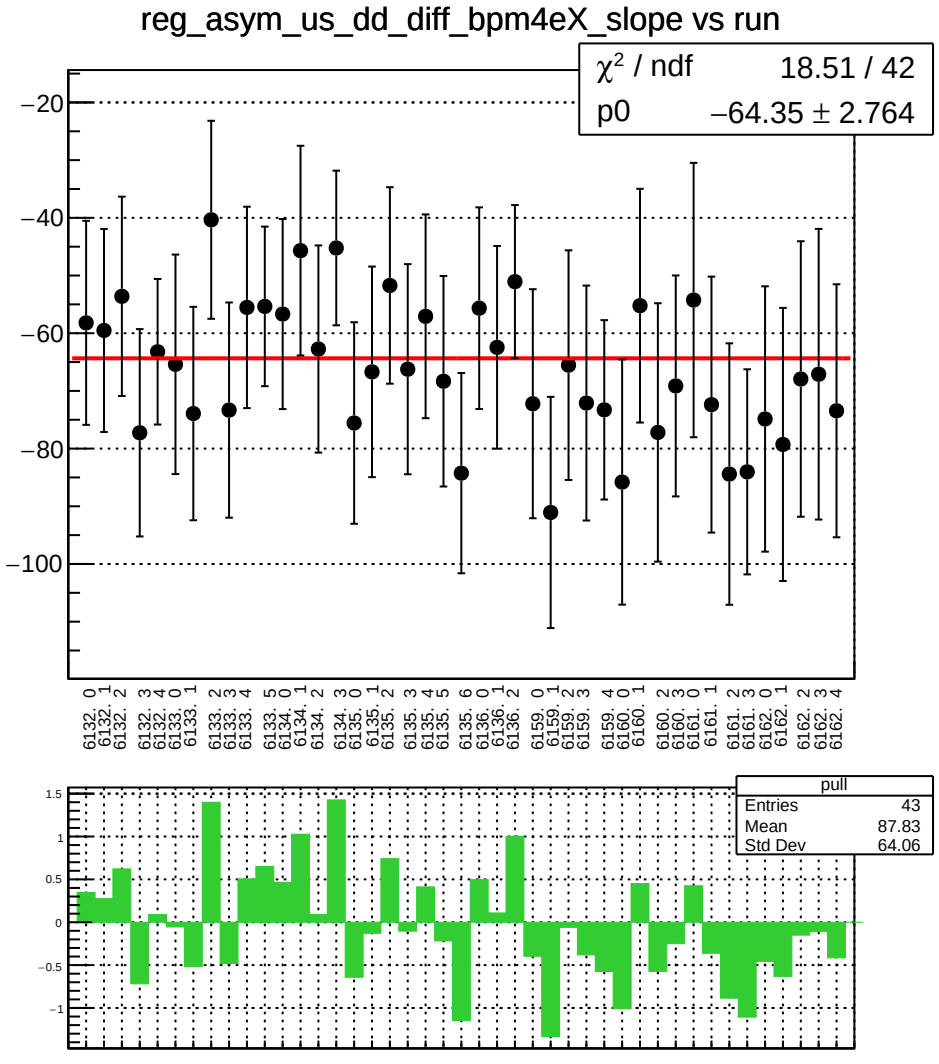

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 91.75 / 42
p0 −38.07 ± 0.1555
−34
−36
−38
−40
−42
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 110.4
Std Dev 86.23
3
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean −0.1456
Std Dev 1.453
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

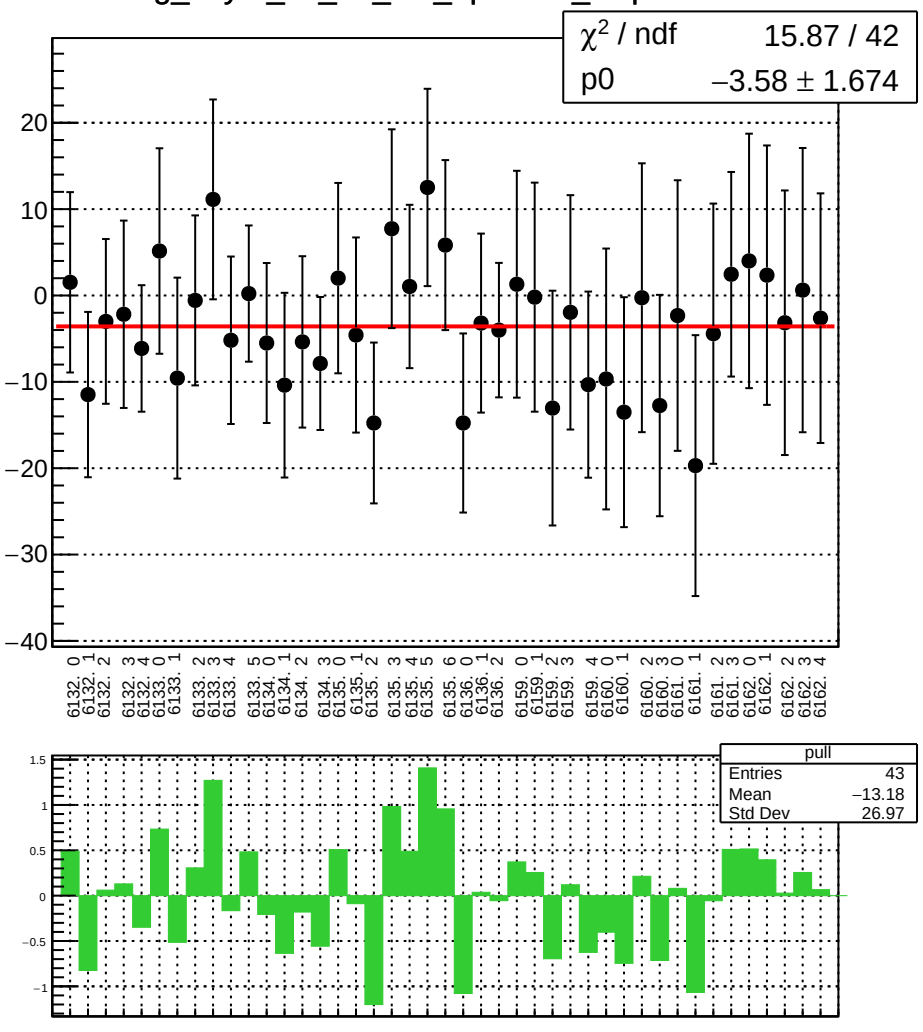

reg_asym_us_dd_diff_bpm4aX_slope vs run
χ² / ndf 18.43 / 42
p0 6.291 ± 2.374
pull
Entries 43
Mean 90.52
Std Dev 66.81

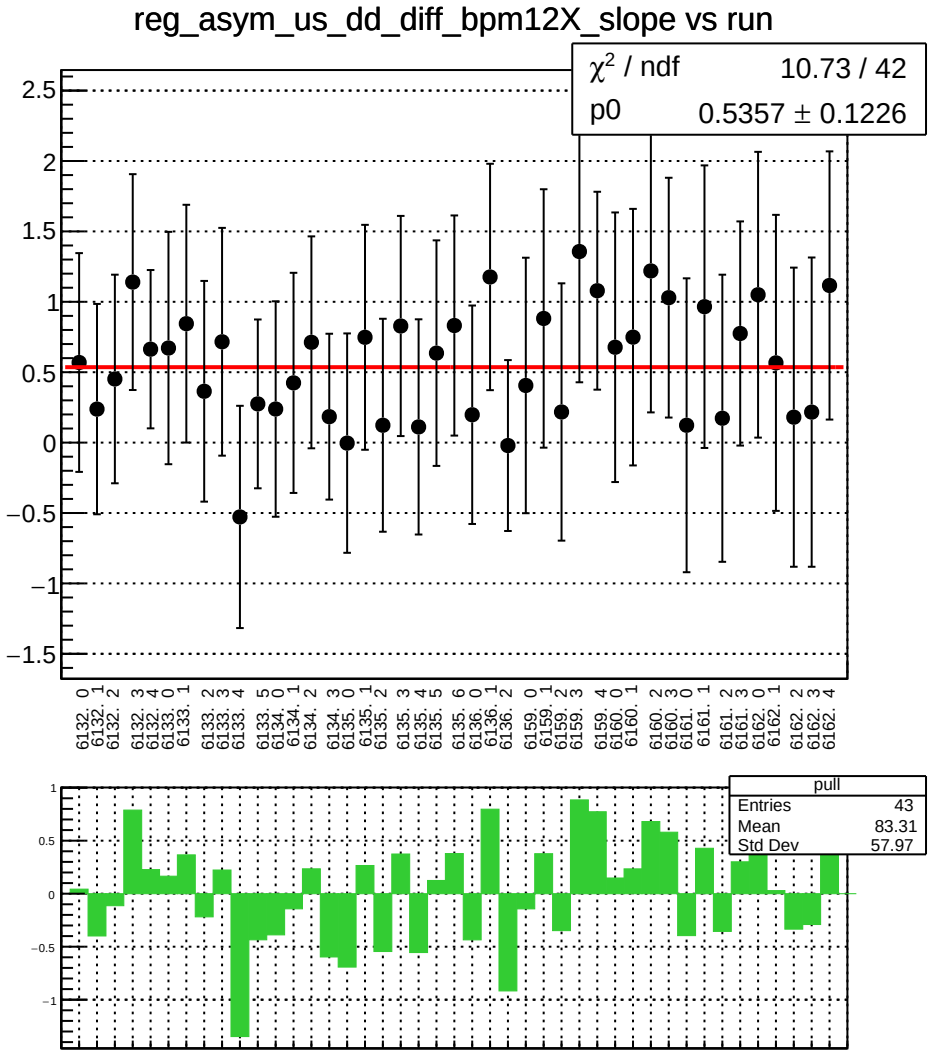

pull1D
Entries 43
Mean 0.04862
Std Dev 0.6528

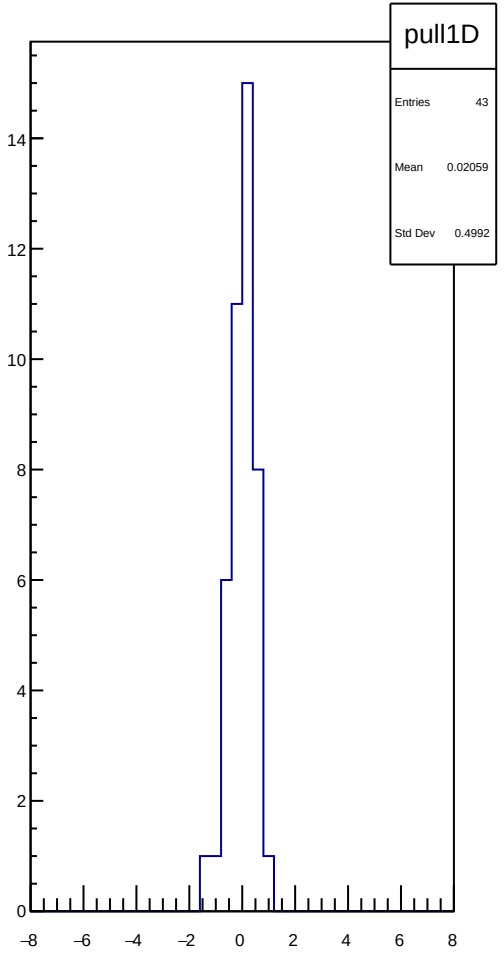

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 16.95 / 42
p0 3.198 ± 1.577
pull
Entries 43
Mean −14.48
Std Dev 30.53

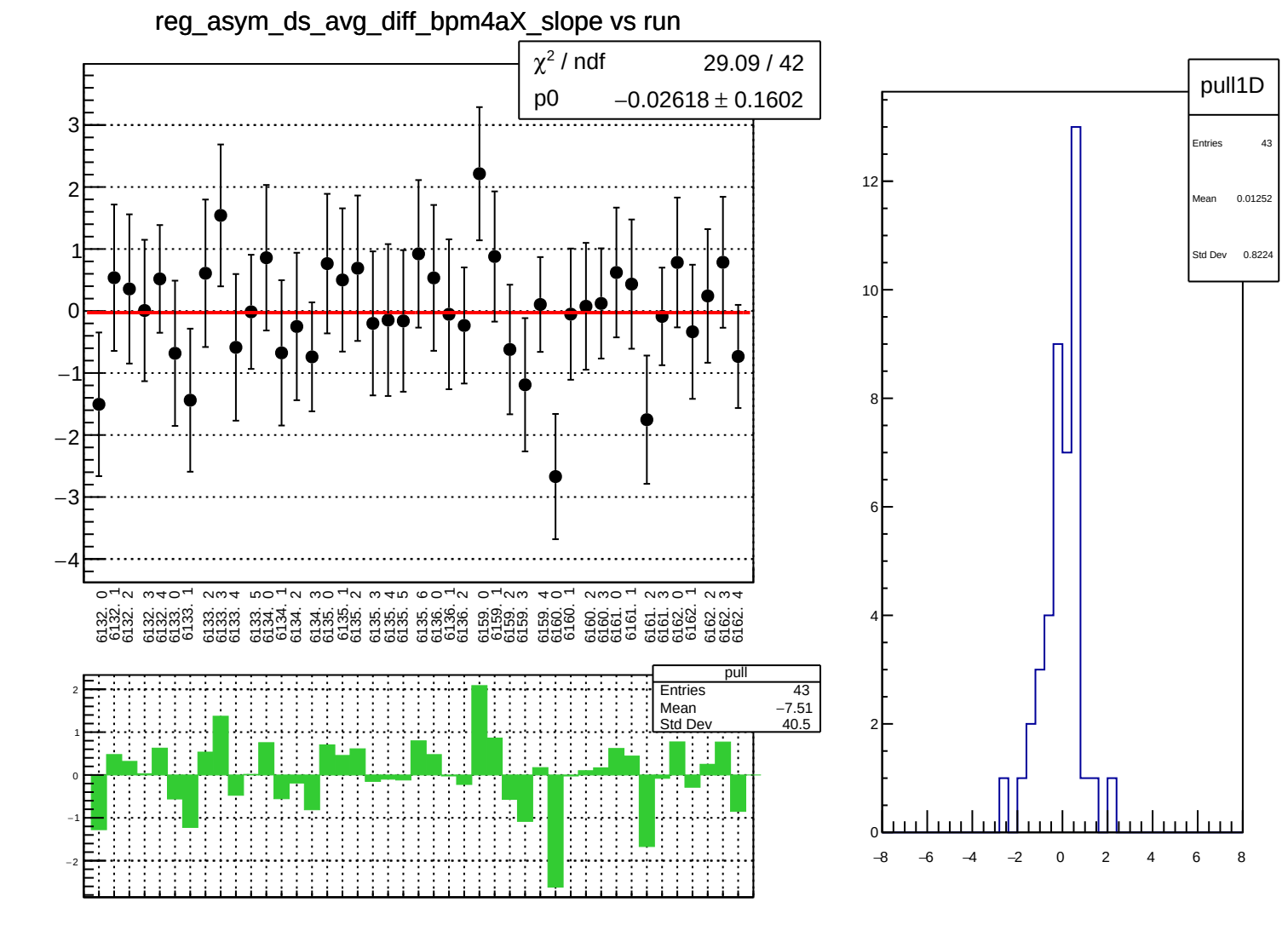

pull1D
Entries 43
Mean −0.01107
Std Dev 0.6277

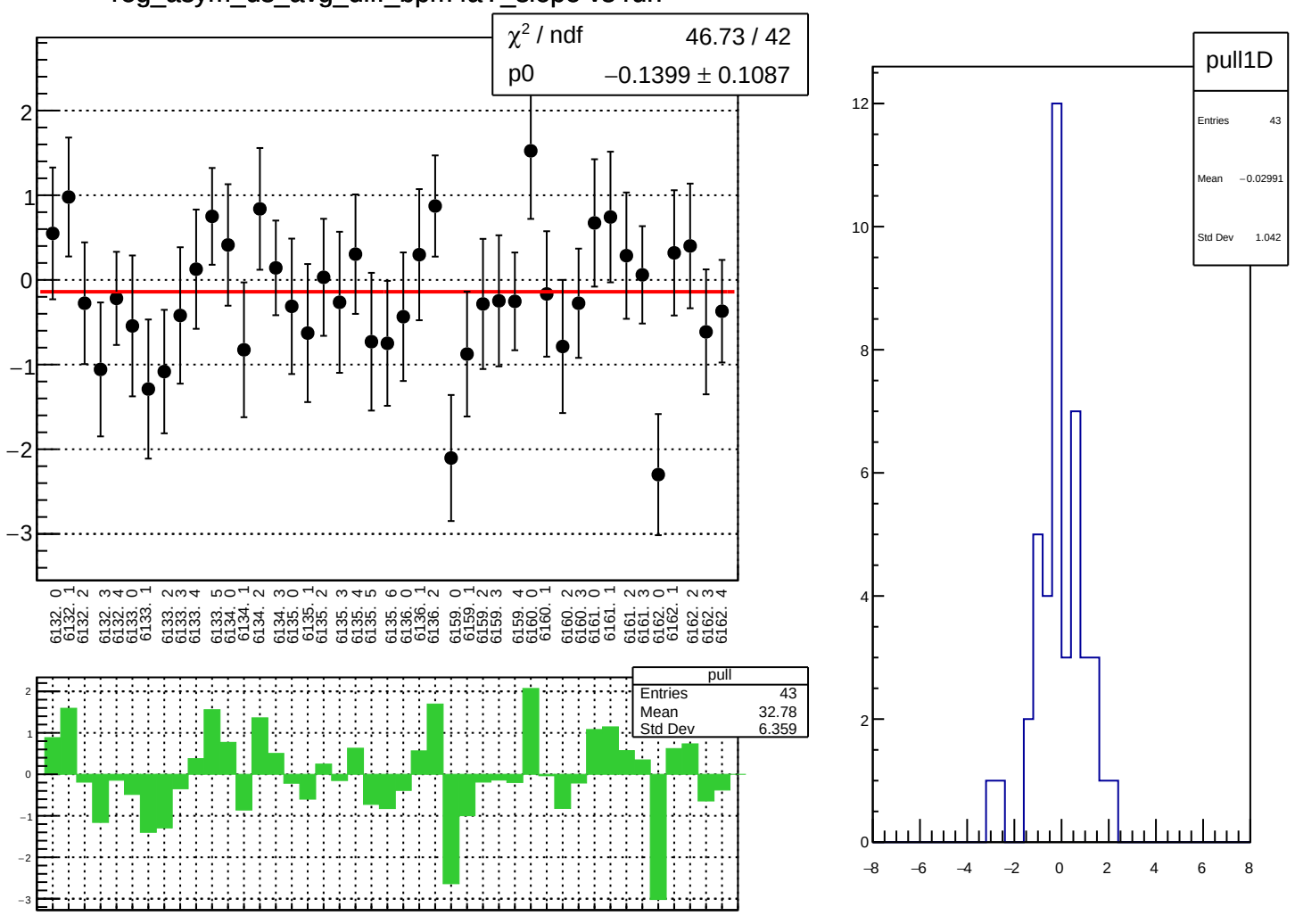

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 18.51 / 42
p0 −64.35 ± 2.764
−20
−40
−60
−80
−100
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 87.83
Std Dev 64.06
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean −0.05048
Std Dev 0.6541
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

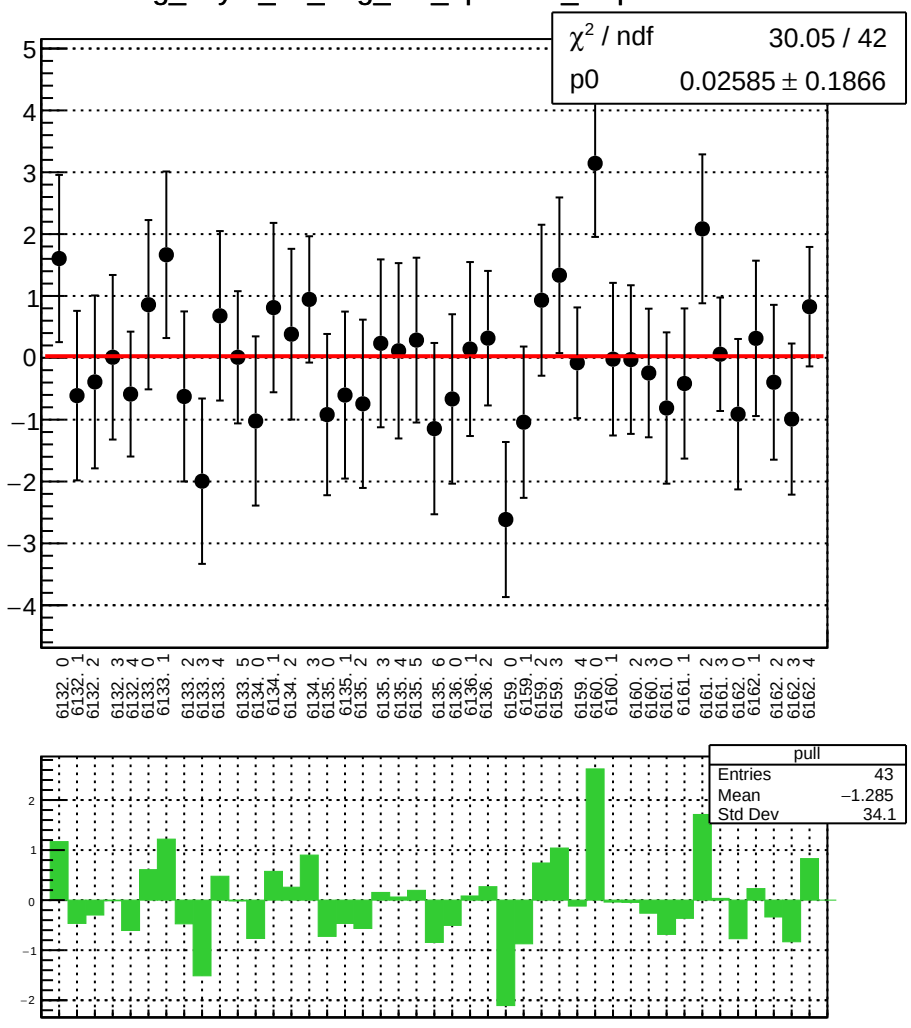

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.87 / 42
p0 −3.58 ± 1.674
20
10
0
−10
−20
−30
−40
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −13.18
Std Dev 26.97
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean 0.01156
Std Dev 0.6074
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

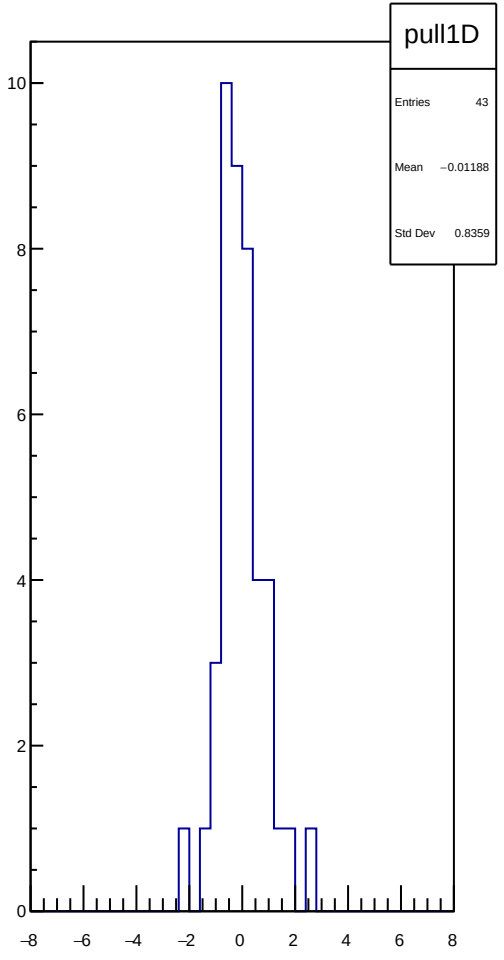

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 10.73 / 42
p0 0.5357 ± 0.1226
pull
Entries 43
Mean 83.31
Std Dev 57.97

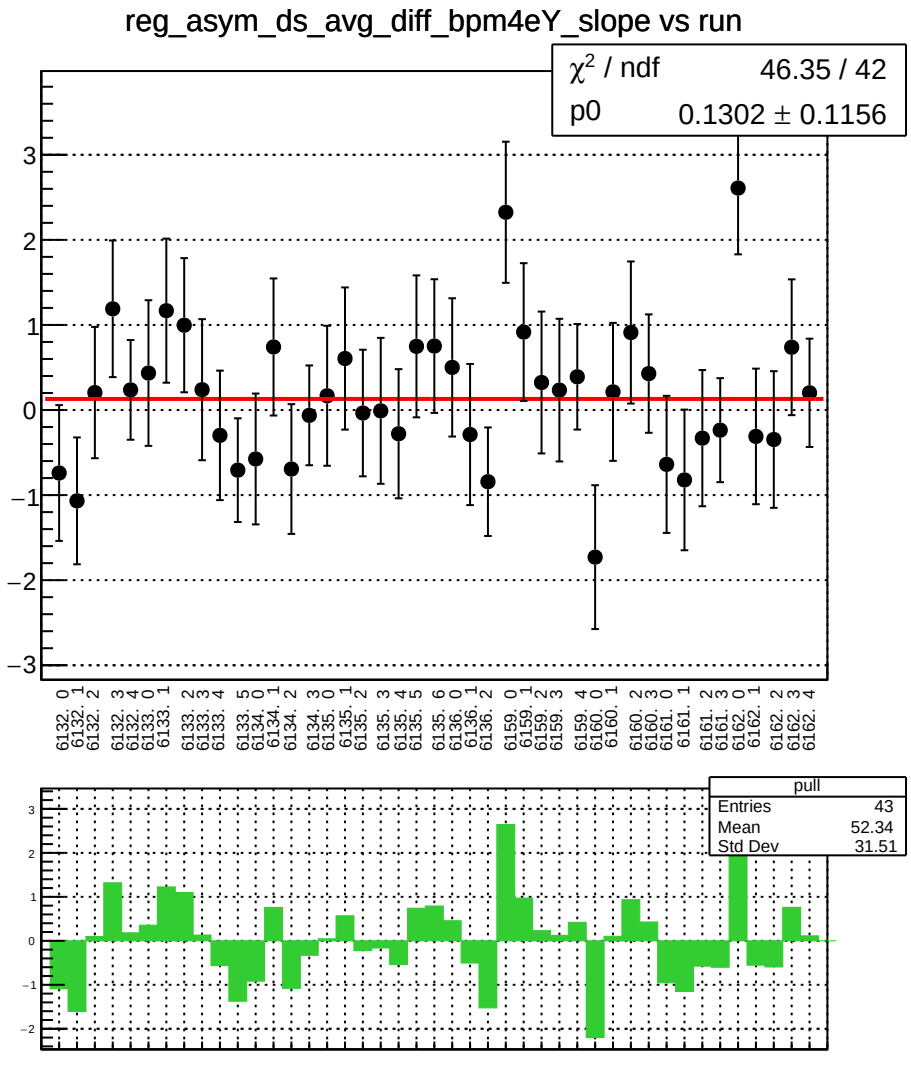

pull1D
Entries 43
Mean 0.02059
Std Dev 0.4992

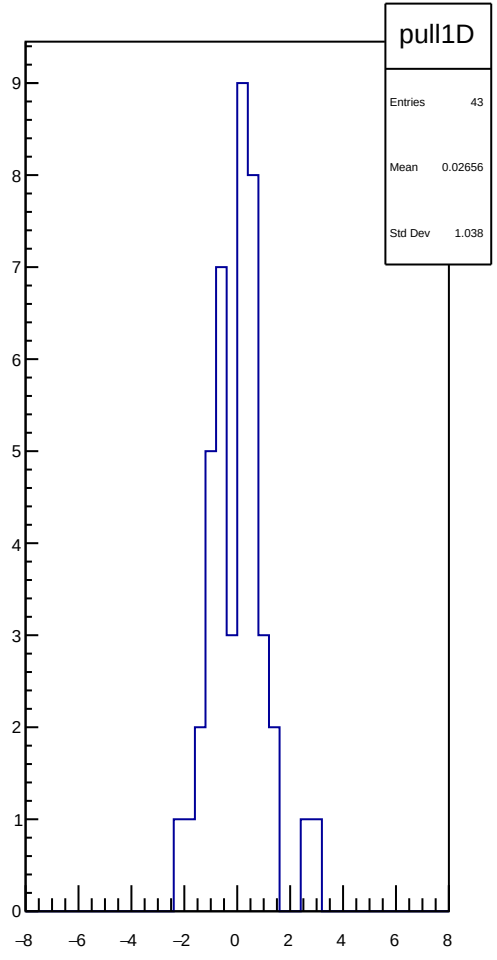

reg_asym_ds_avg_diff_bpm4aX_slope vs run
χ² / ndf 29.09 / 42
p0 −0.02618 ± 0.1602
pull
Entries 43
Mean −7.51
Std Dev 40.5
pull1D
Entries 43
Mean 0.01252
Std Dev 0.8224

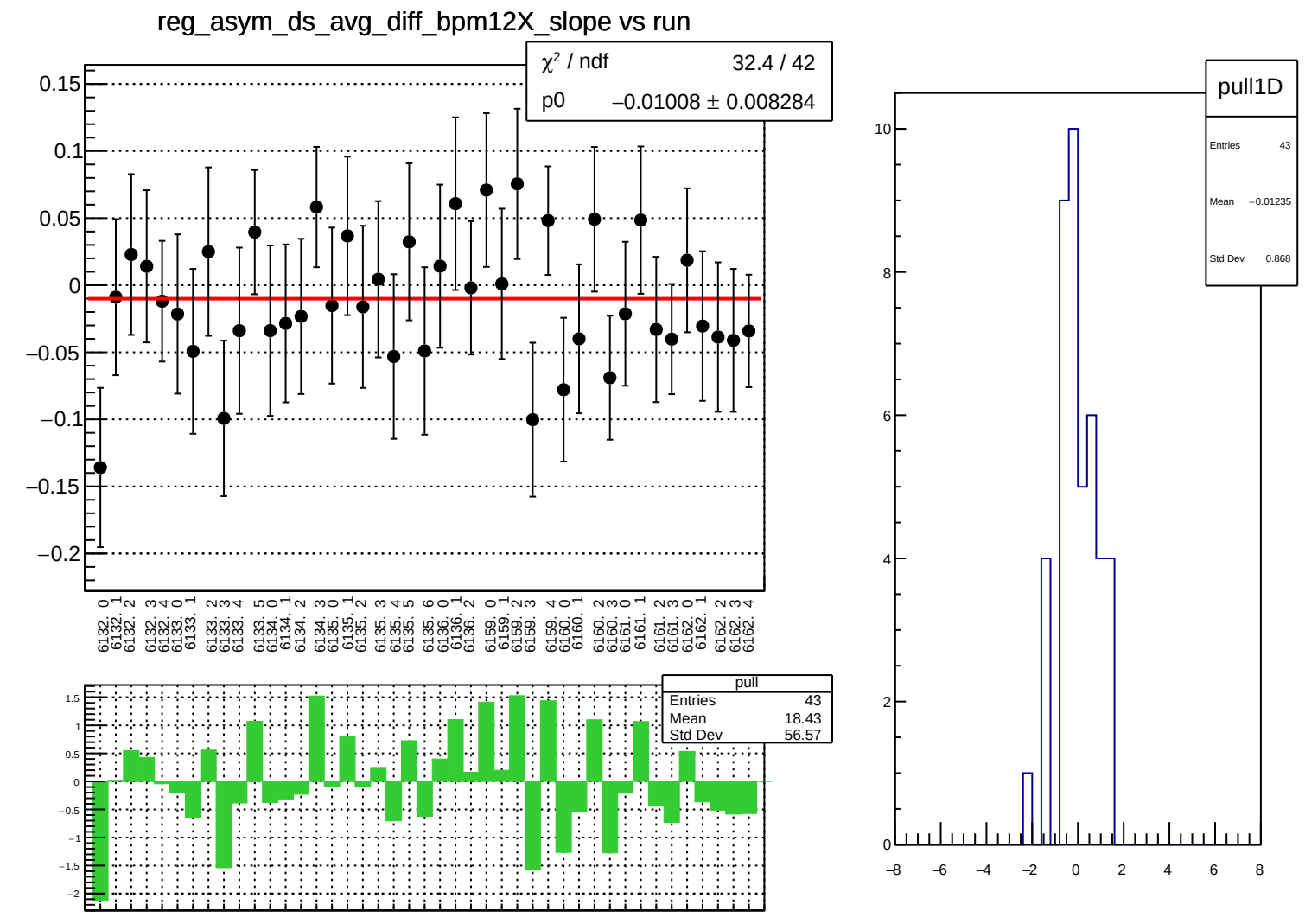

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 46.73 / 42
p0 −0.1399 ± 0.1087
pull
Entries 43
Mean 32.78
Std Dev 6.359
pull1D
Entries 43
Mean −0.02991
Std Dev 1.042

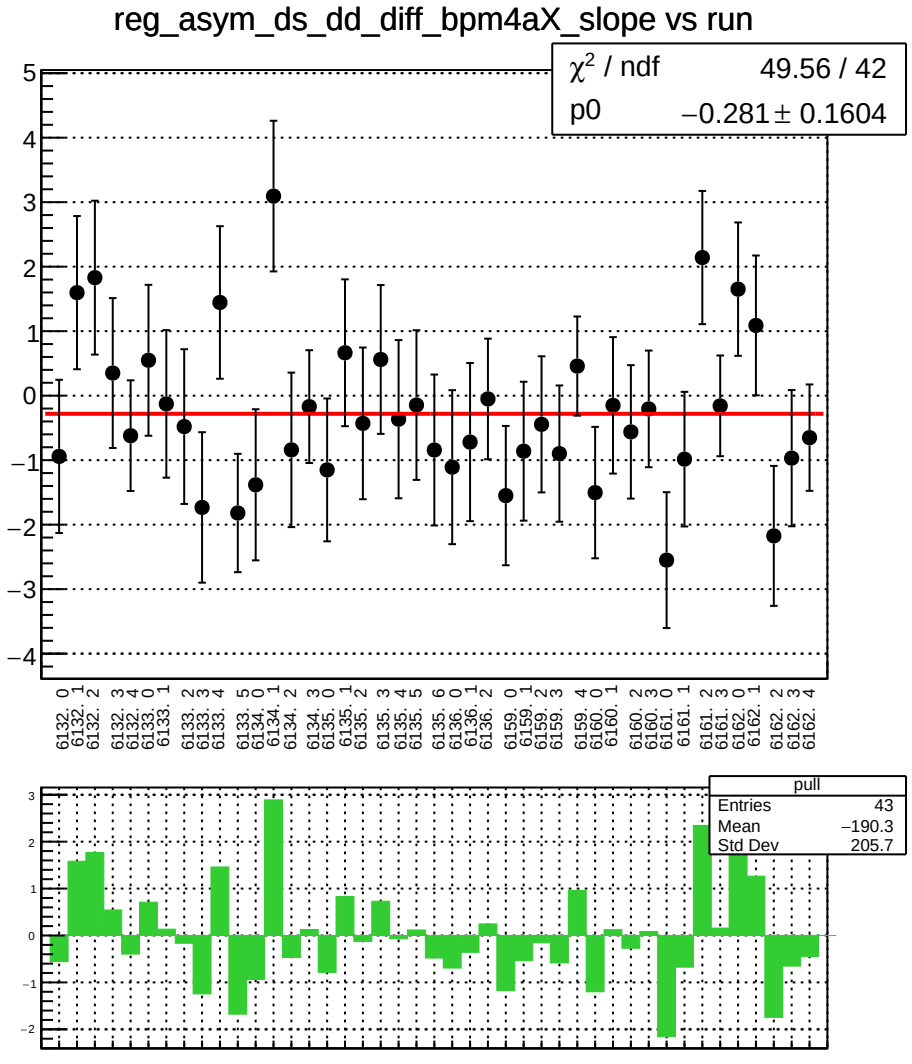

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 30.05 / 42
p0 0.02585 ± 0.1866
pull
Entries 43
Mean −1.285
Std Dev 34.1

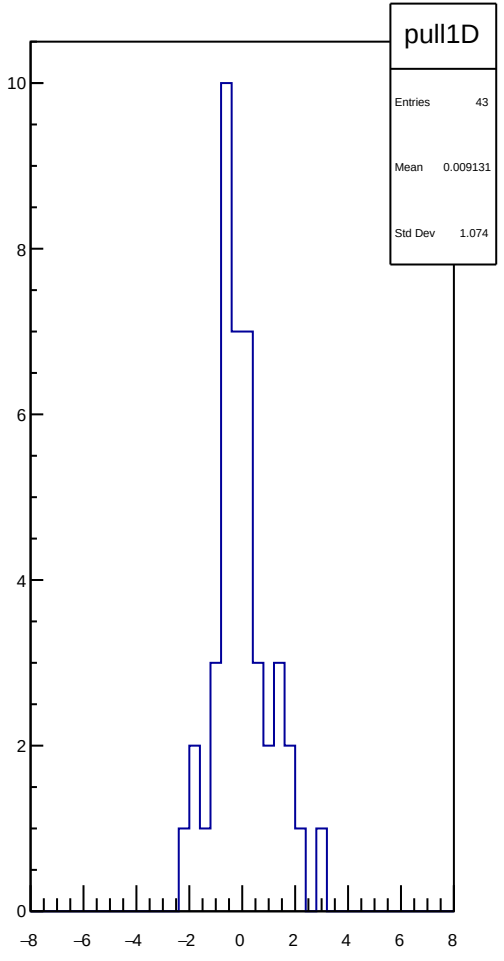

pull1D
Entries 43
Mean −0.01188
Std Dev 0.8359

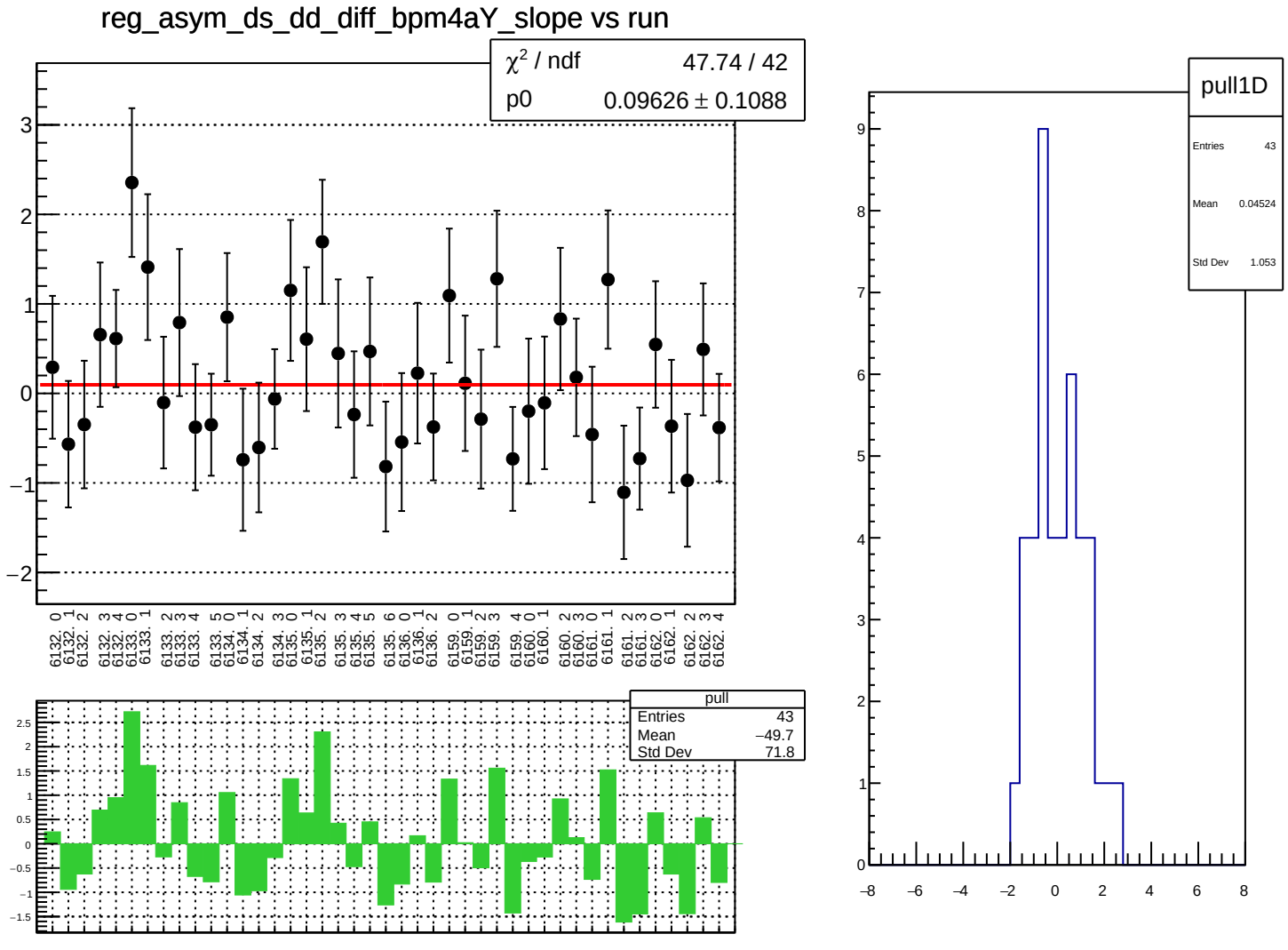

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 46.35 / 42
p0 0.1302 ± 0.1156
pull
Entries 43
Mean 52.34
Std Dev 31.51

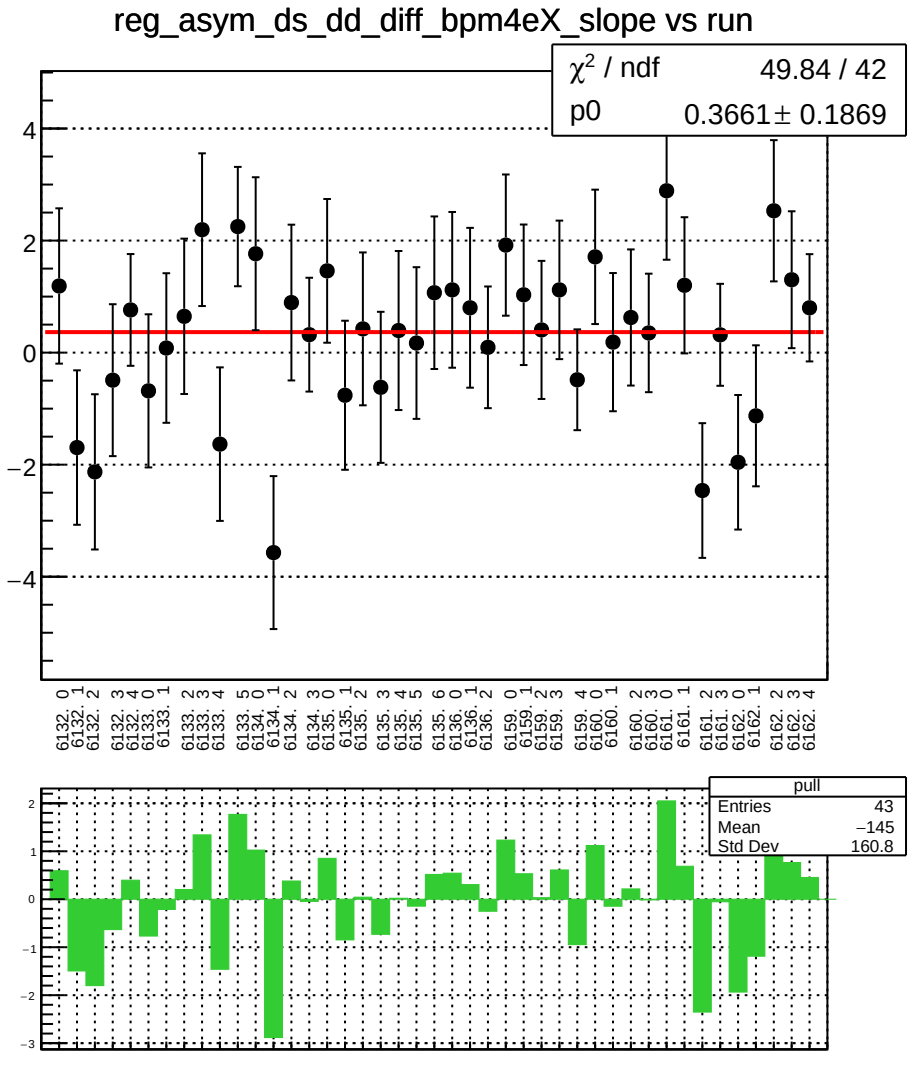

pull1D
Entries 43
Mean 0.02656
Std Dev 1.038

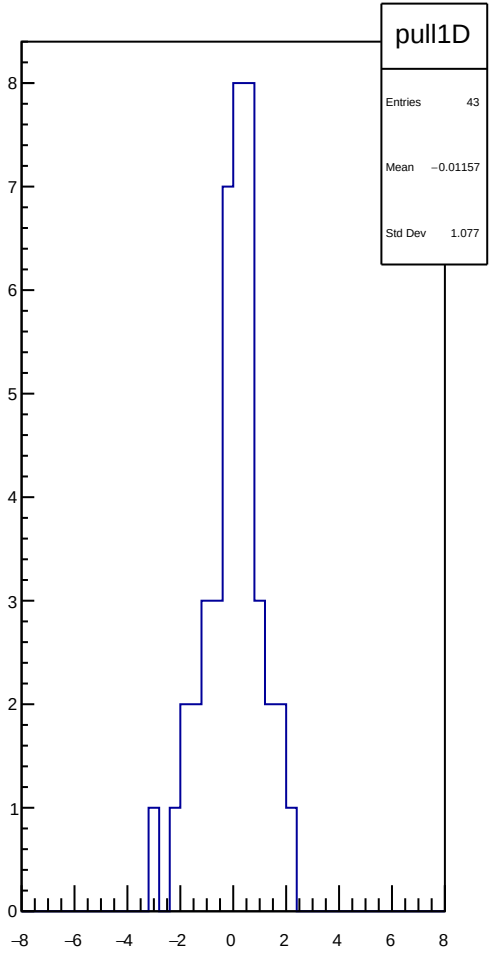

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 32.4 / 42
p0 −0.01008 ± 0.008284
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 18.43
Std Dev 56.57
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.01235
Std Dev 0.868
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

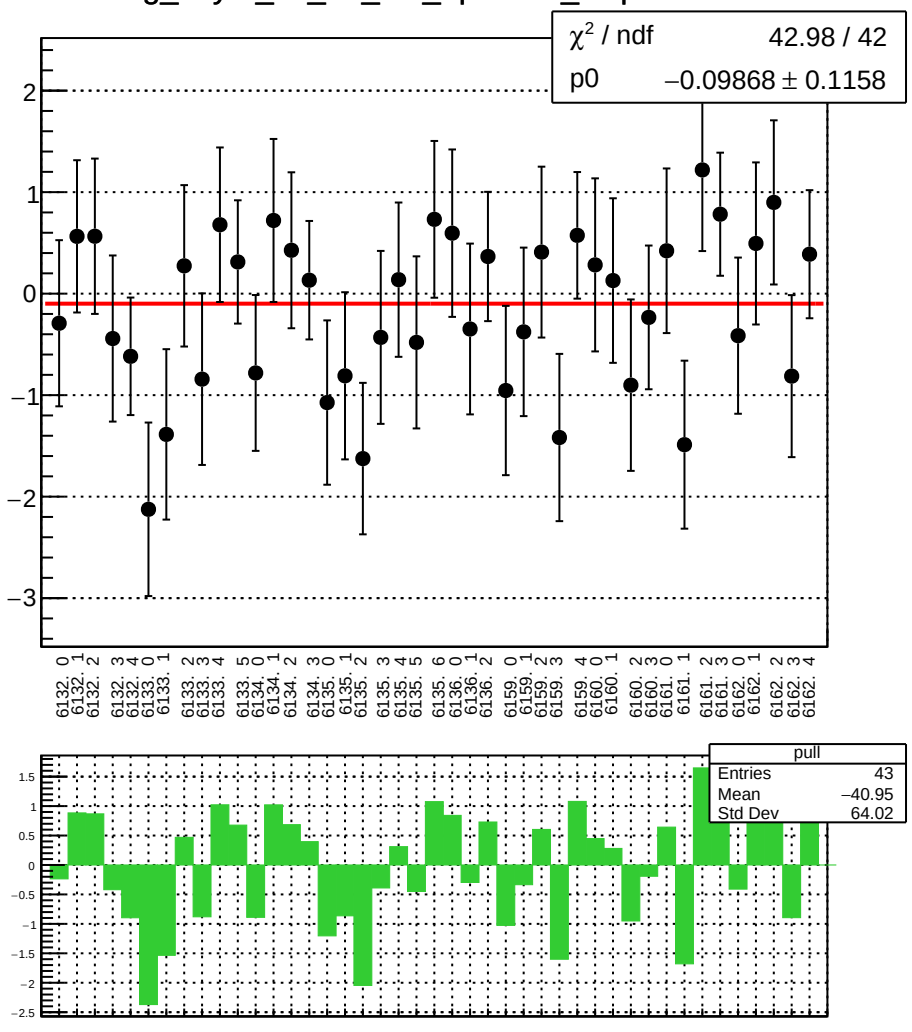

reg_asym_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 49.56 / 42
p0 −0.281 ± 0.1604
pull
Entries 43
Mean −190.3
Std Dev 205.7

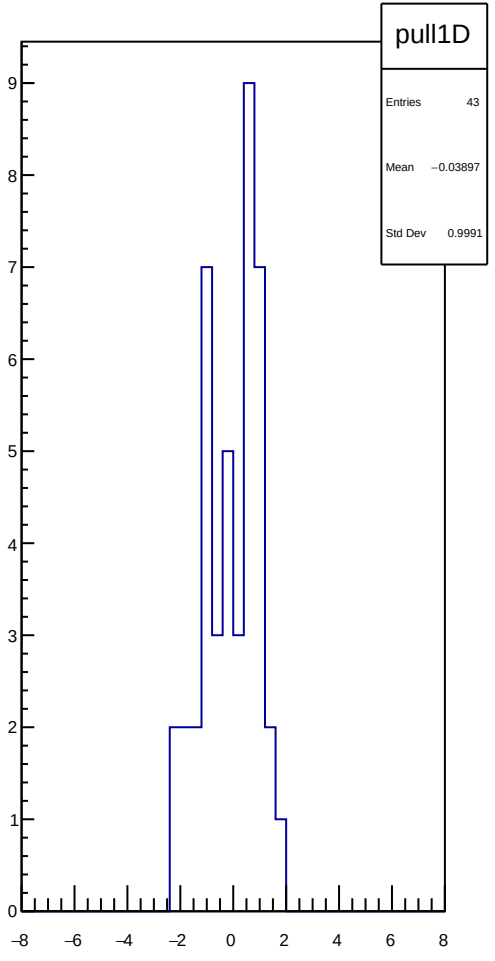

pull1D
Entries 43
Mean 0.009131
Std Dev 1.074

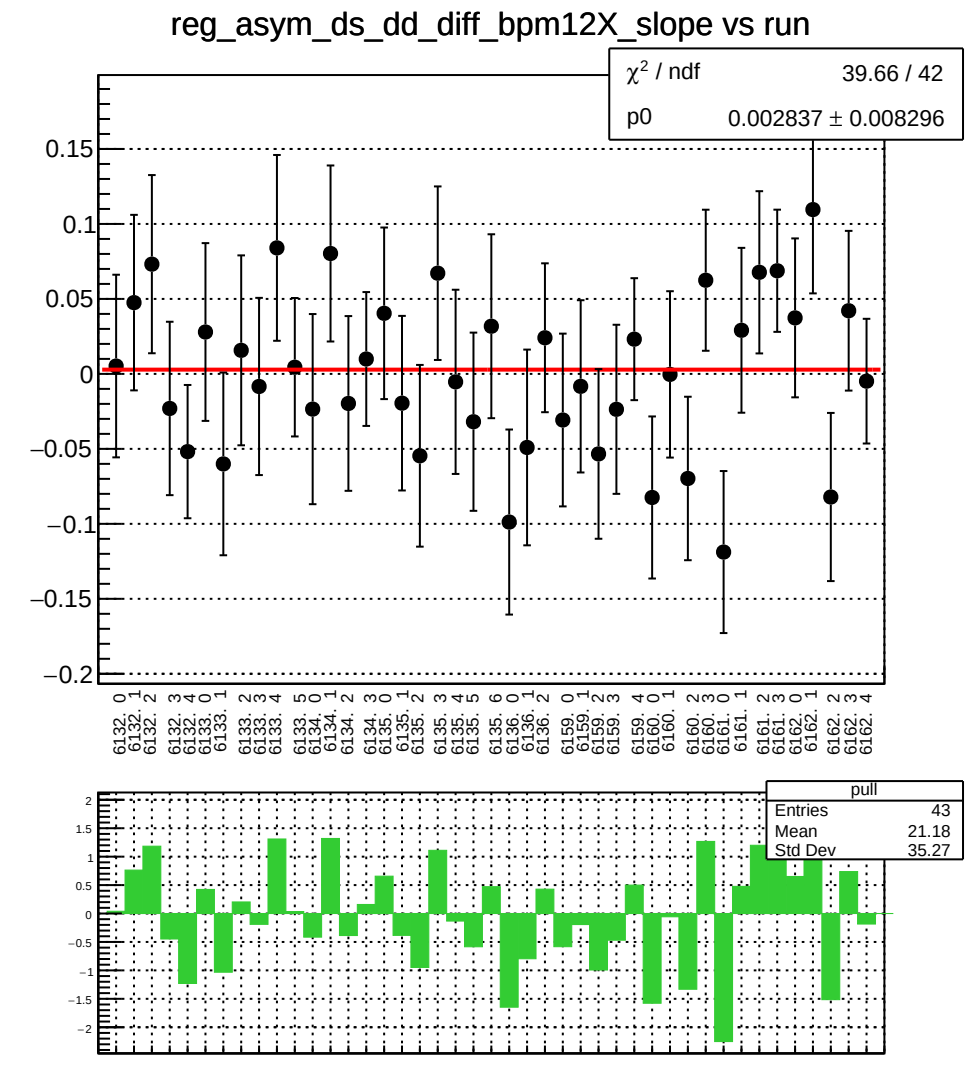

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 47.74 / 42
p0 0.09626 ± 0.1088
pull
Entries 43
Mean −49.7
Std Dev 71.8
pull1D
Entries 43
Mean 0.04524
Std Dev 1.053

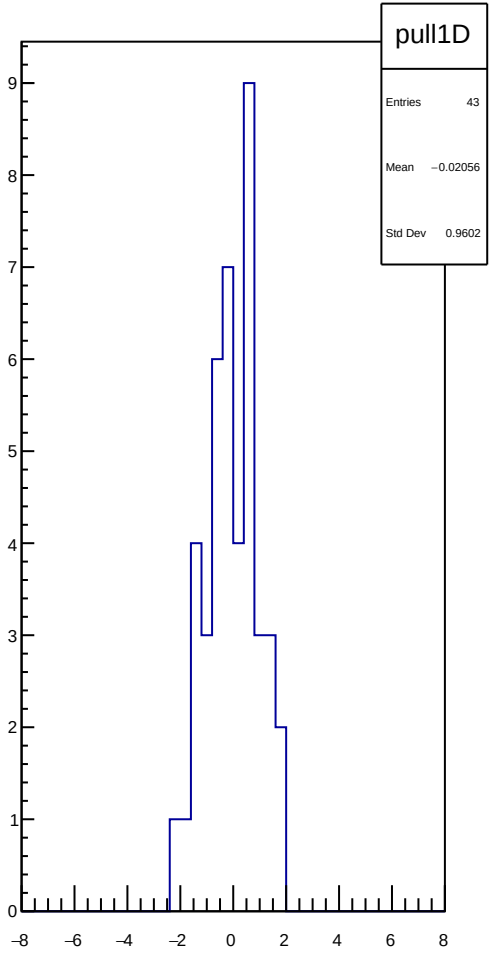

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 49.84 / 42
p0 0.3661 ± 0.1869
pull
Entries 43
Mean −145
Std Dev 160.8

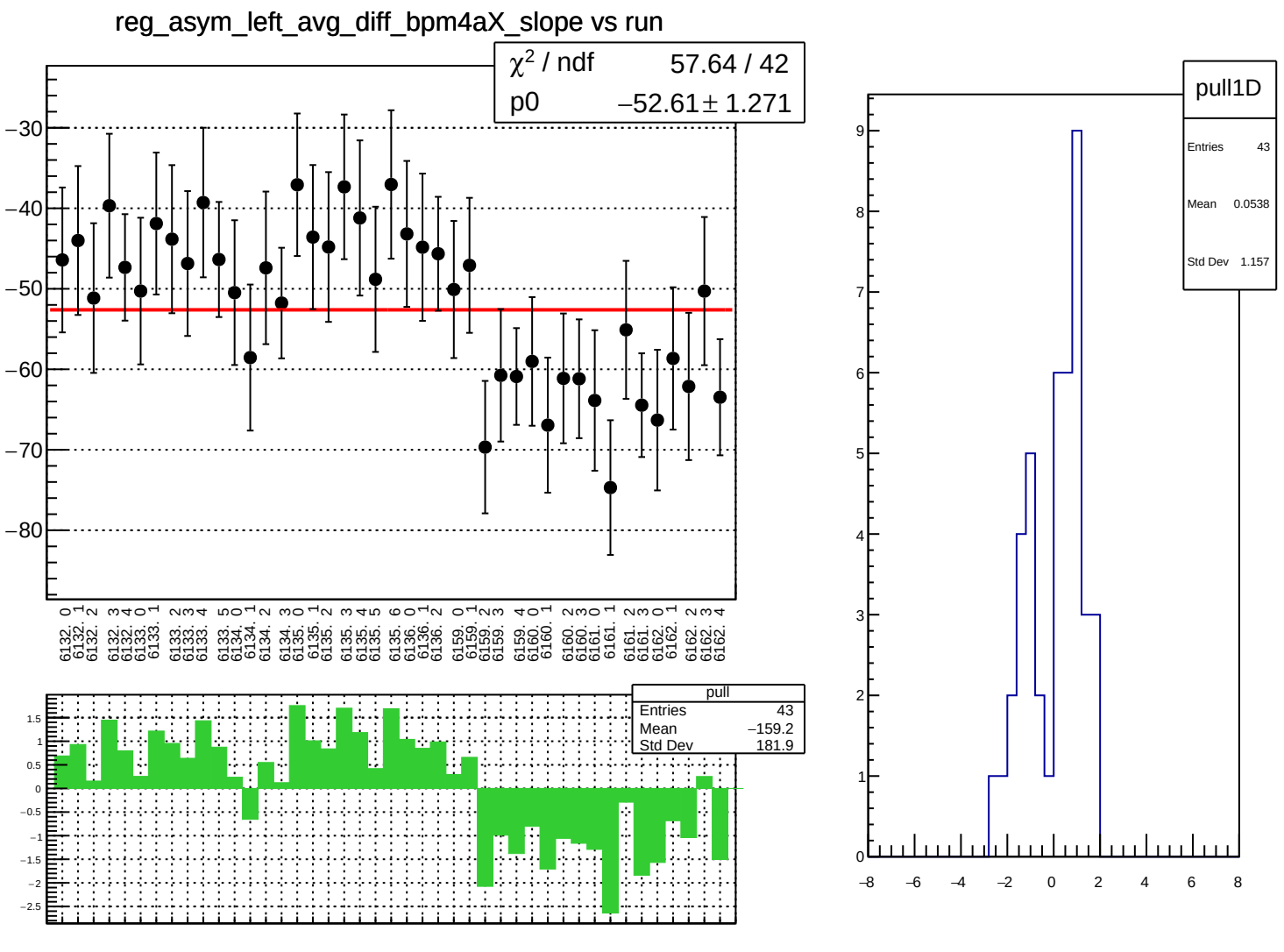

pull1D
Entries 43
Mean −0.01157
Std Dev 1.077

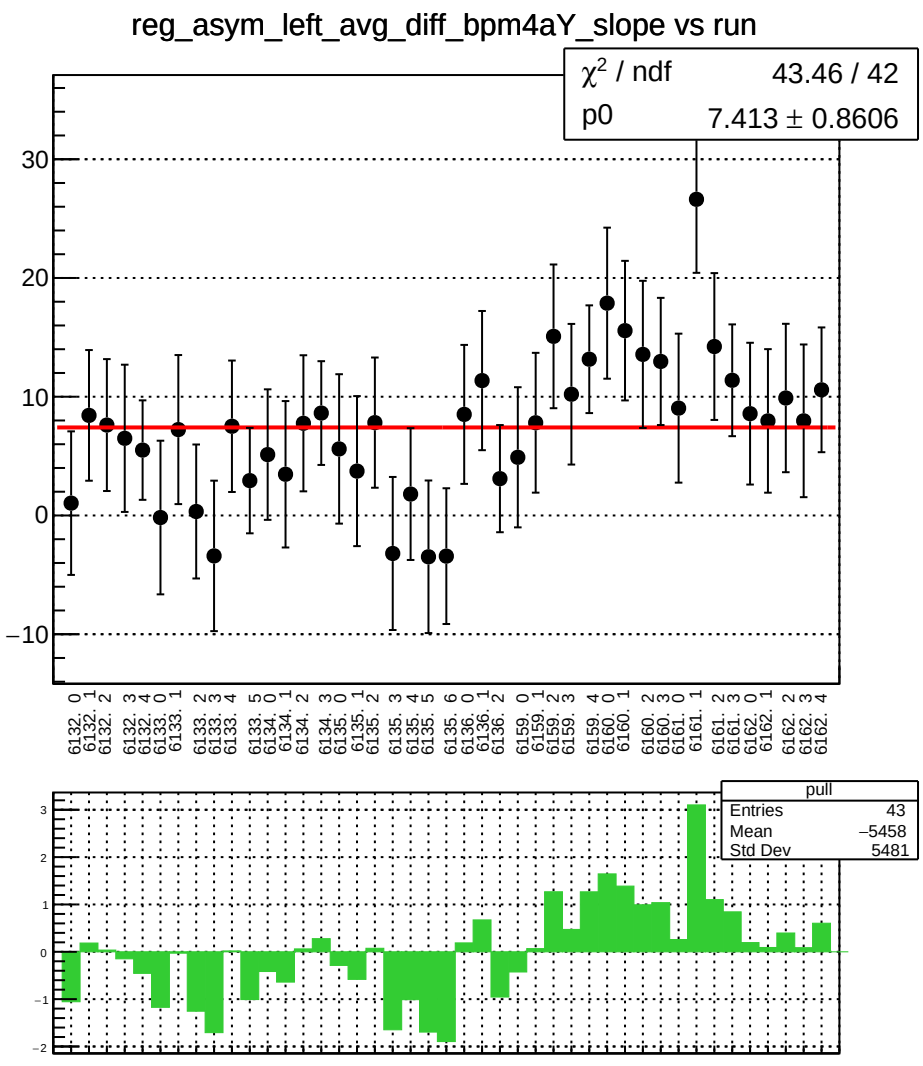

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 42.98 / 42
p0 −0.09868 ± 0.1158
pull
Entries 43
Mean −40.95
Std Dev 64.02

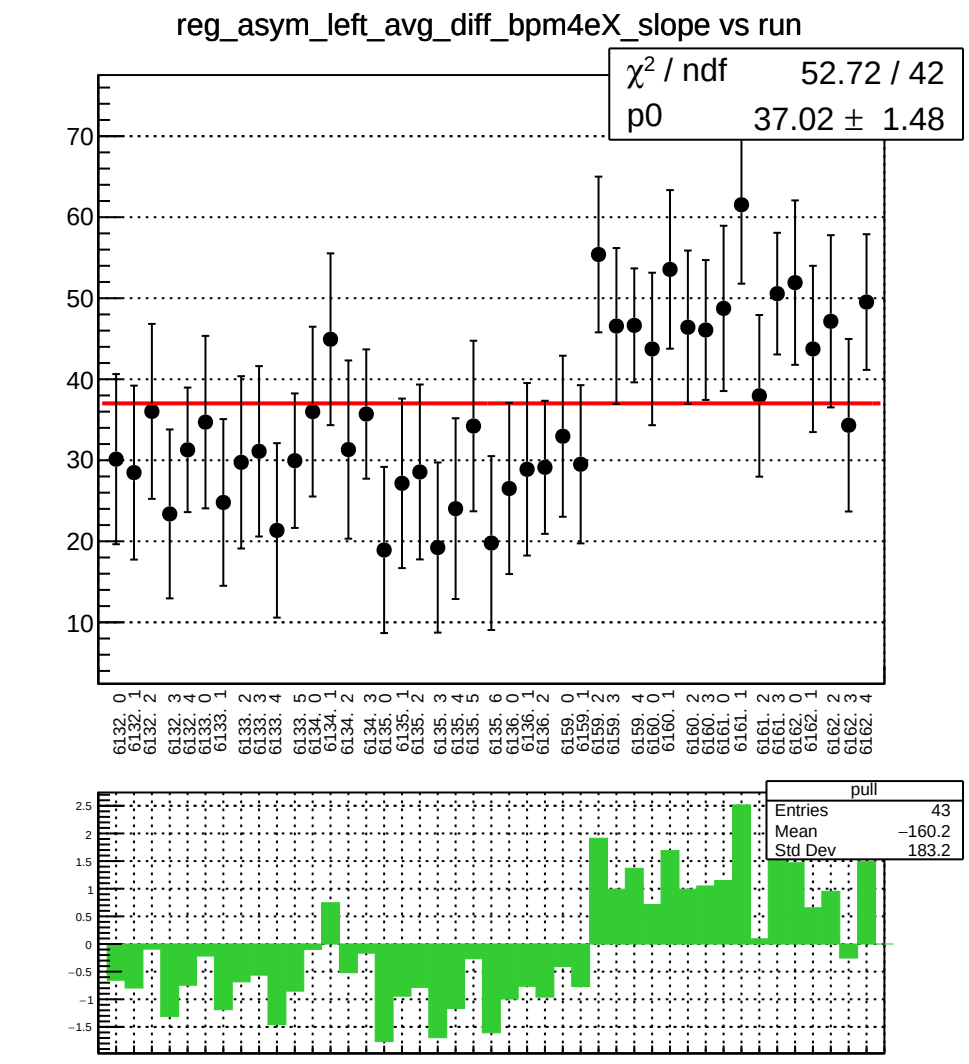

pull1D
Entries 43
Mean −0.03897
Std Dev 0.9991

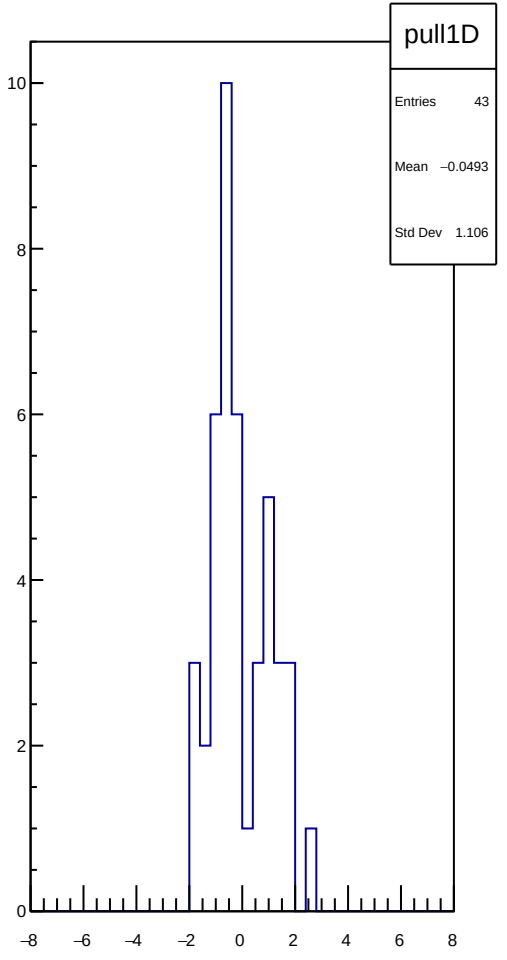

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 39.66 / 42
p0 0.002837 ± 0.008296
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 21.18
Std Dev 35.27
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

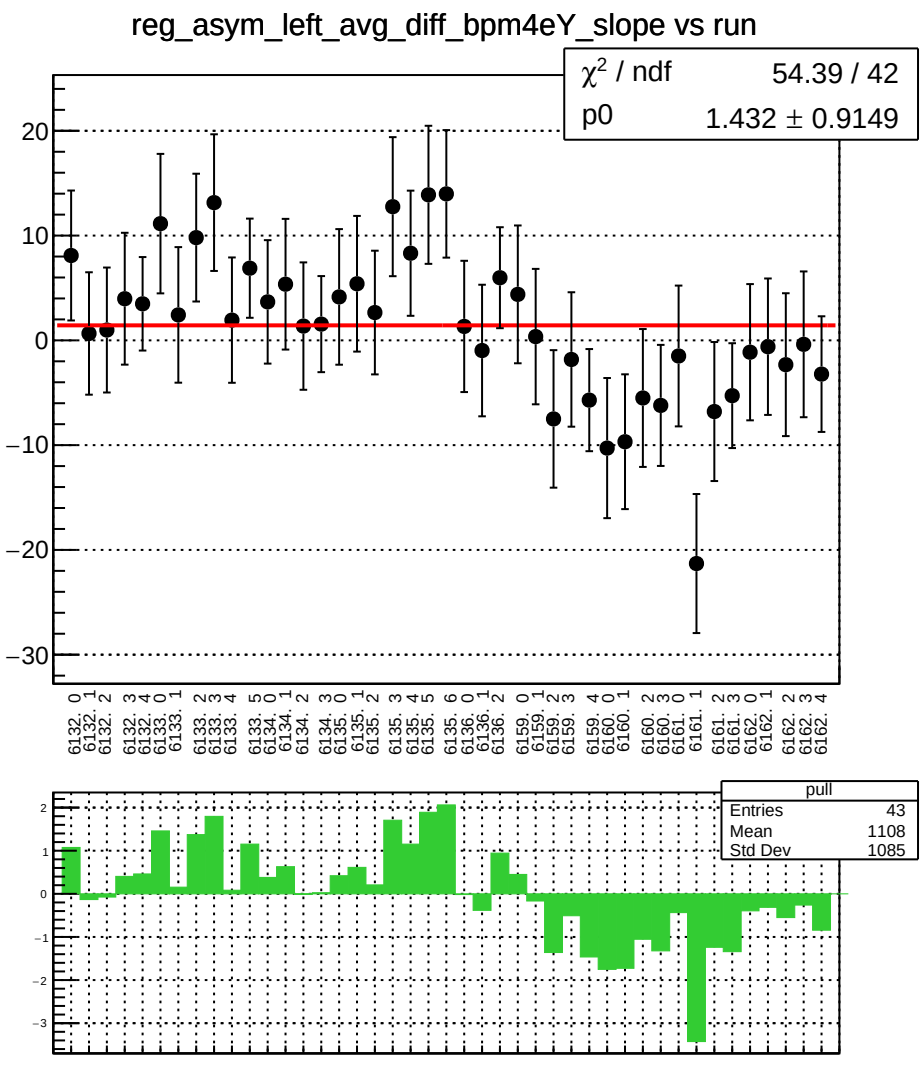

pull1D
Entries 43
Mean −0.02056
Std Dev 0.9602
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

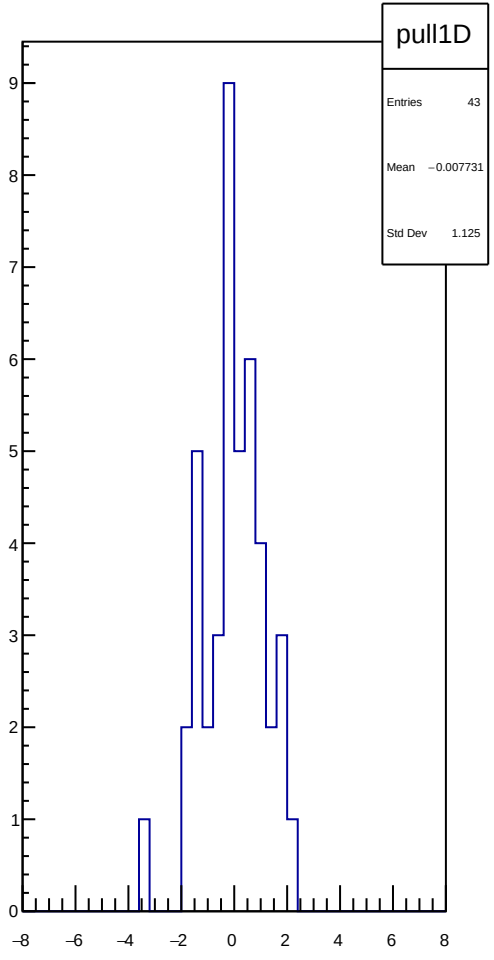

reg_asym_left_avg_diff_bpm4aX_slope vs run
χ² / ndf 57.64 / 42
p0 −52.61 ± 1.271
pull
Entries 43
Mean −159.2
Std Dev 181.9
pull1D
Entries 43
Mean 0.0538
Std Dev 1.157

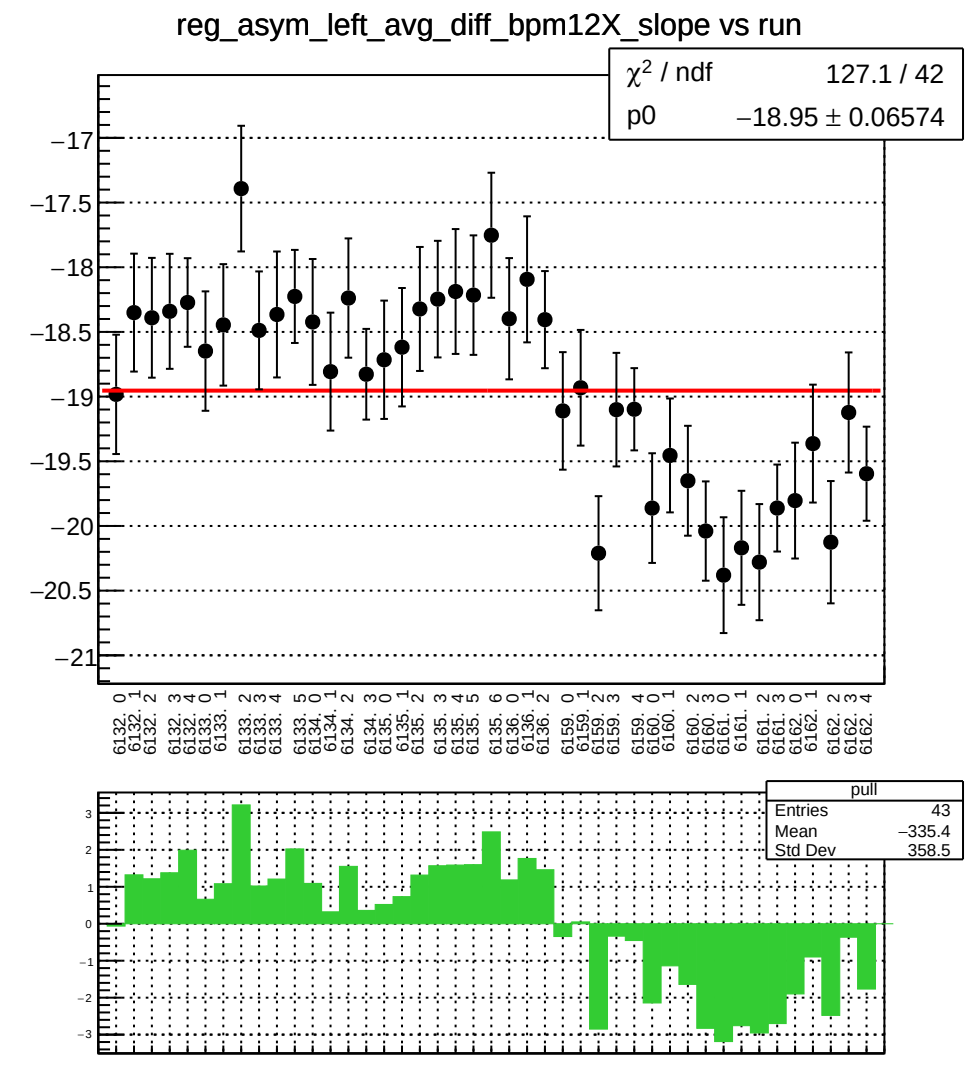

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 43.46 / 42
p0 7.413 ± 0.8606
30
20
10
0
−10
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −5458
Std Dev 5481
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.001242
Std Dev 1.005
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

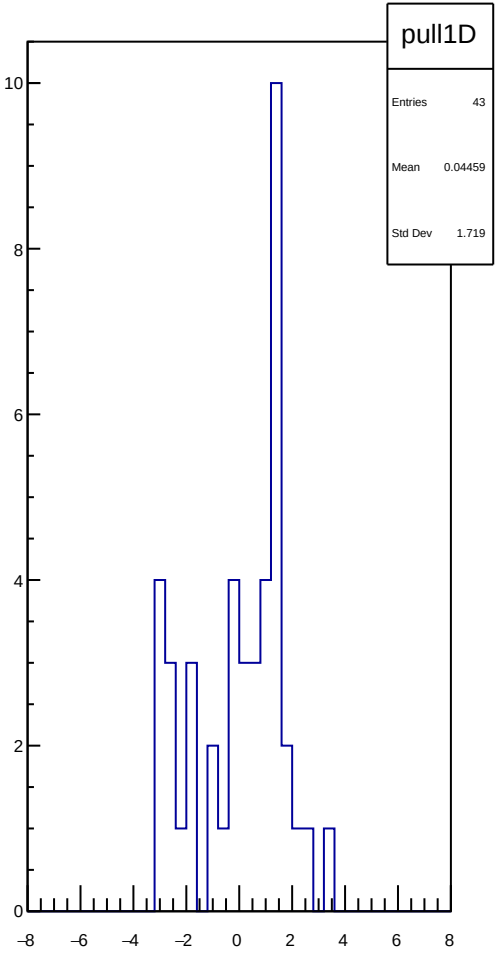

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 52.72 / 42
p0 37.02 ± 1.48
70
60
50
40
30
20
10
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −160.2
Std Dev 183.2
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

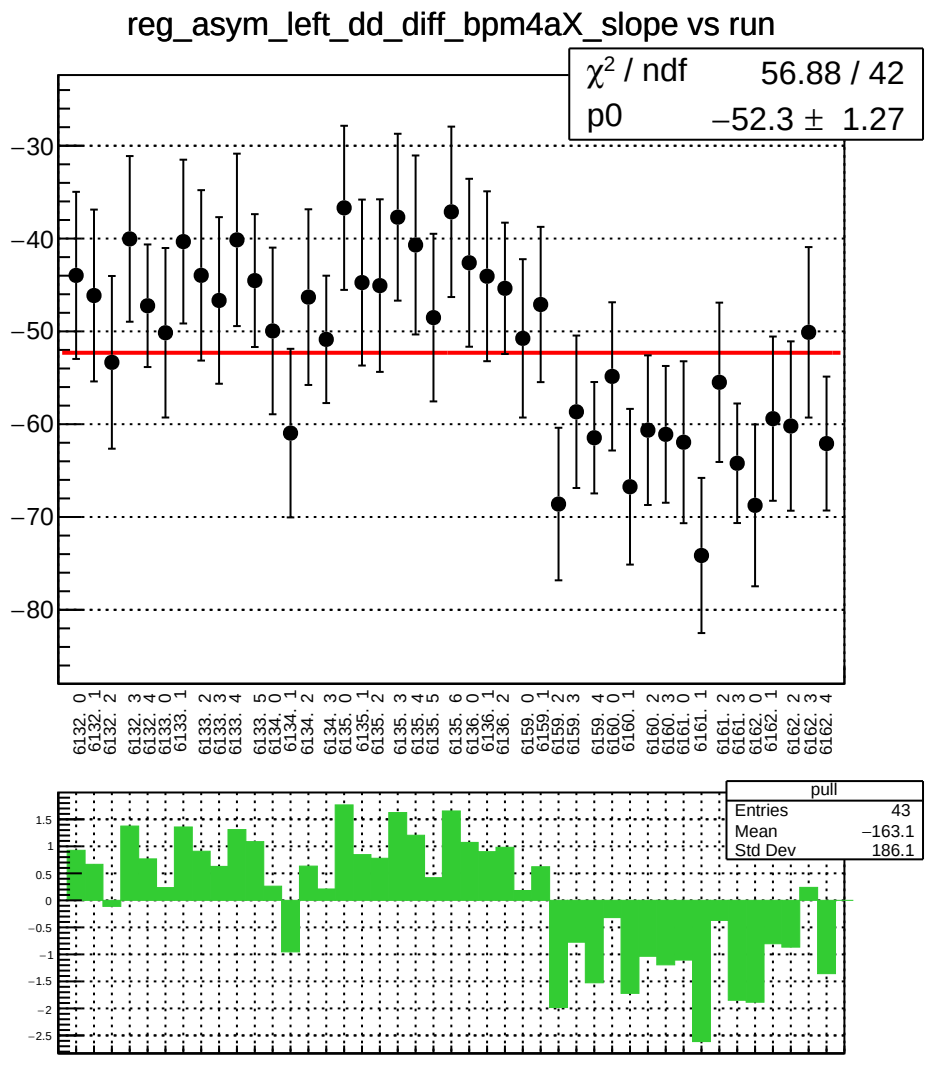

pull1D
Entries 43
Mean −0.0493
Std Dev 1.106
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

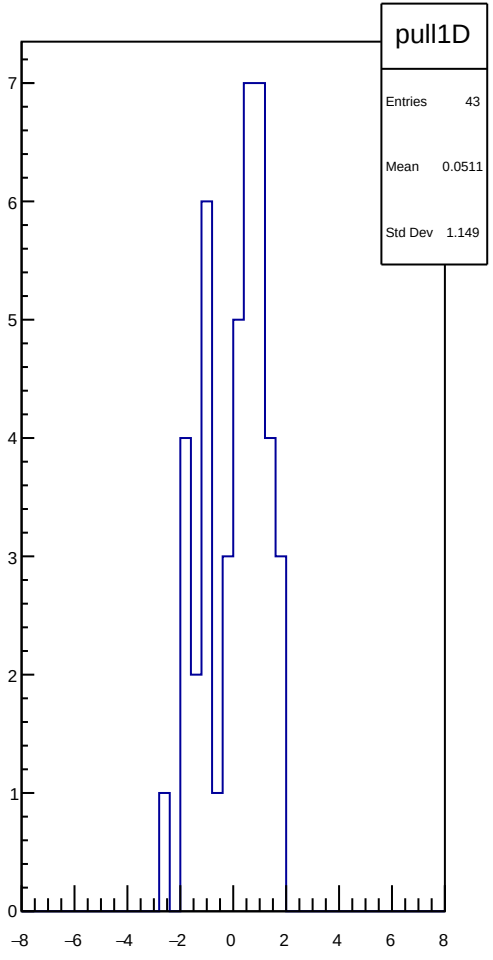

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 54.39 / 42
p0 1.432 ± 0.9149
20
10
0
−10
−20
−30
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 1108
Std Dev 1085
2
1
0
−1
−2
−3

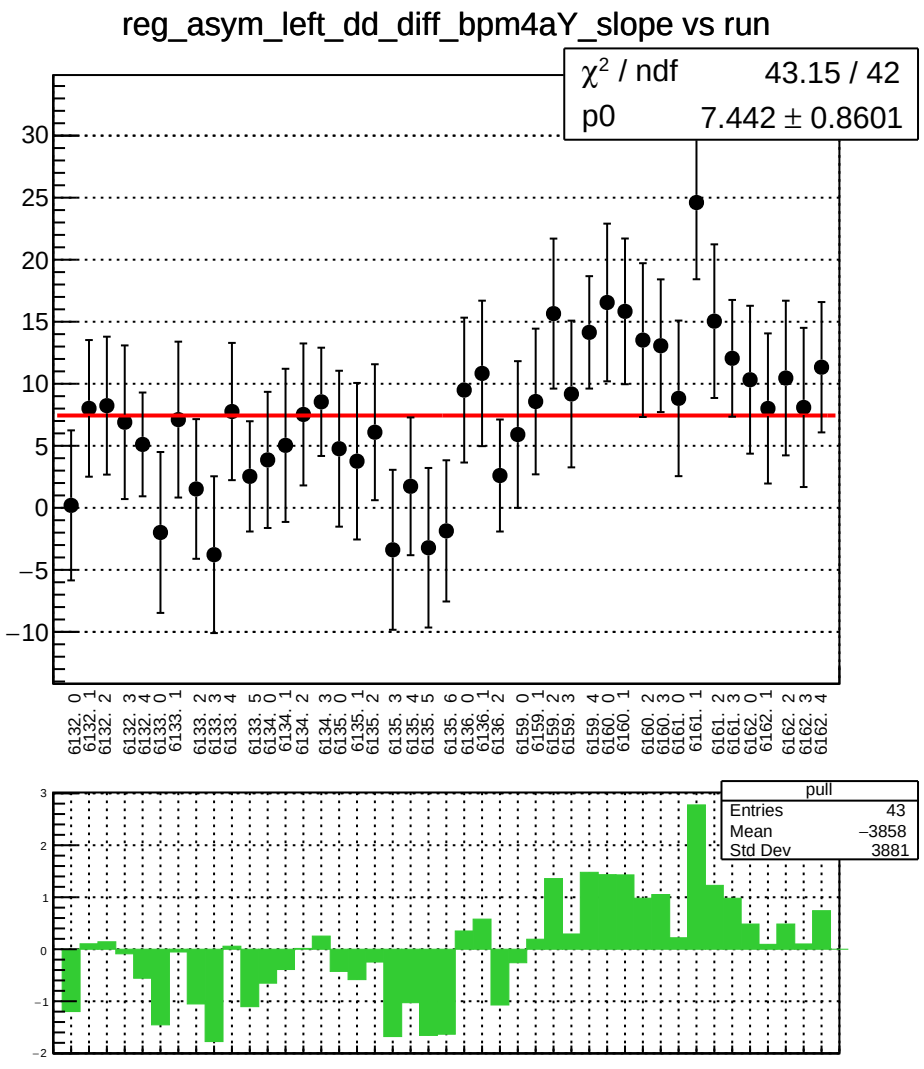

pull1D
Entries 43
Mean −0.007731
Std Dev 1.125
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

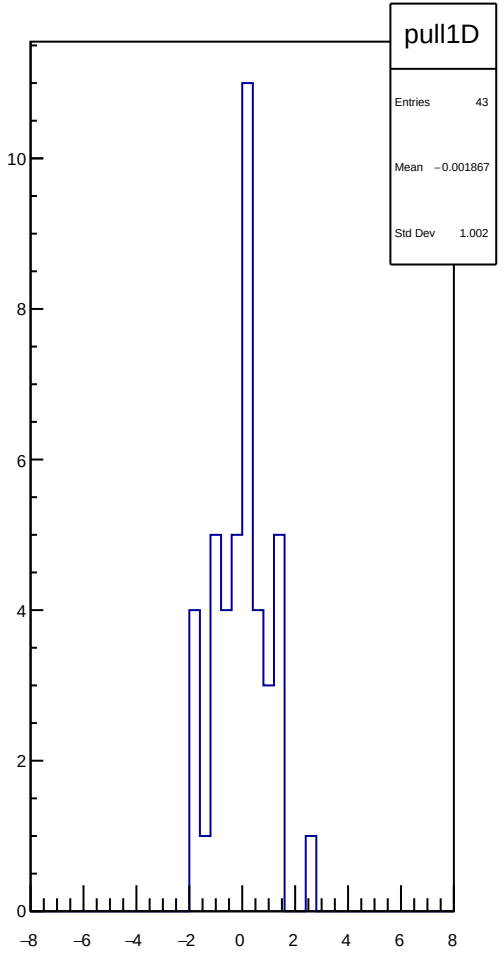

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 127.1 / 42
p0 −18.95 ± 0.06574
pull
Entries 43
Mean −335.4
Std Dev 358.5

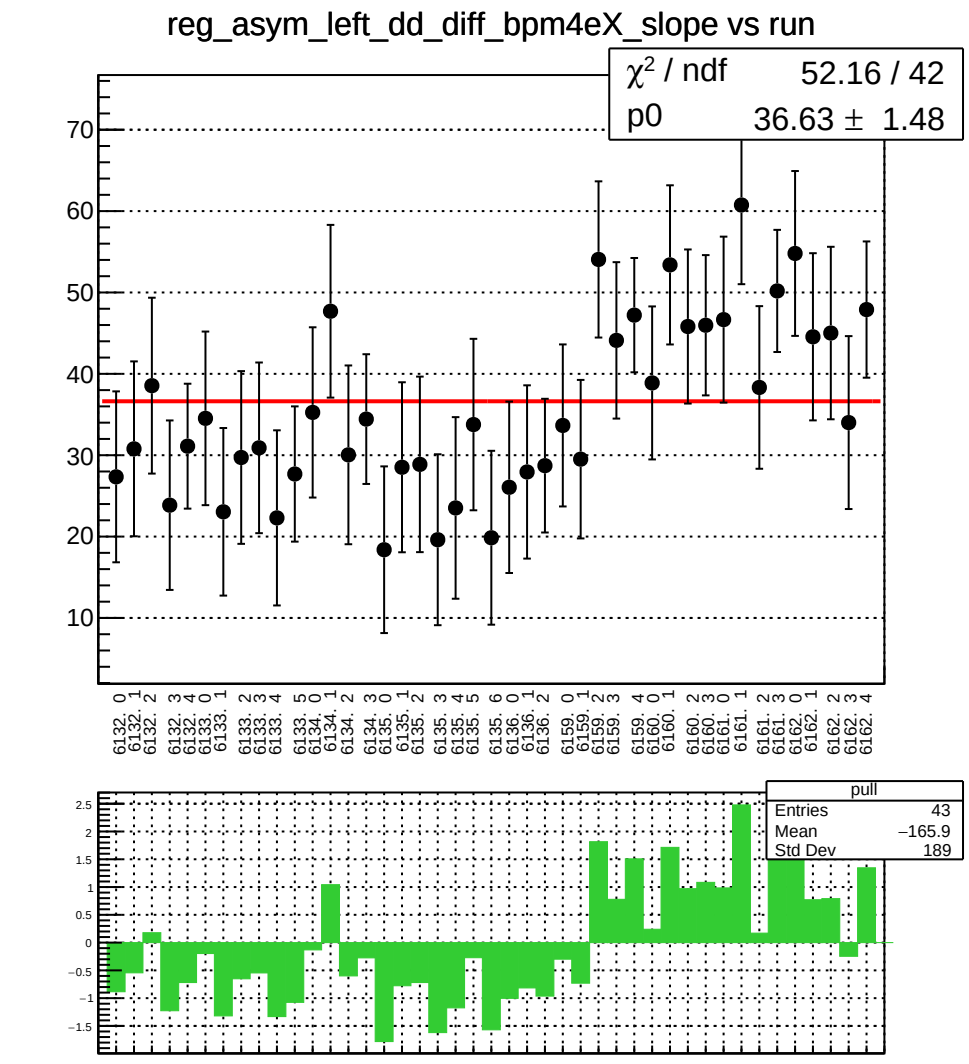

pull1D
Entries 43
Mean 0.04459
Std Dev 1.719

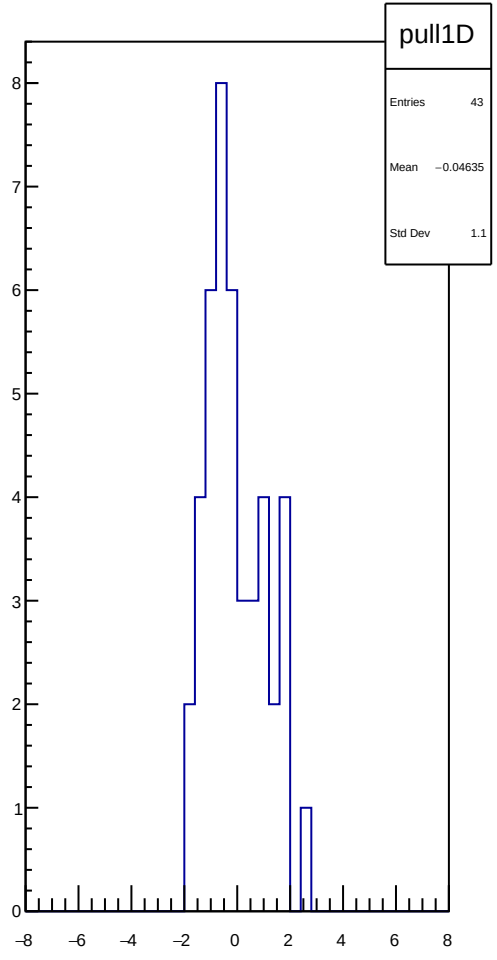

reg_asym_left_dd_diff_bpm4aX_slope vs run
χ² / ndf 56.88 / 42
p0 −52.3 ± 1.27
−30
−40
−50
−60
−70
−80
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −163.1
Std Dev 186.1
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

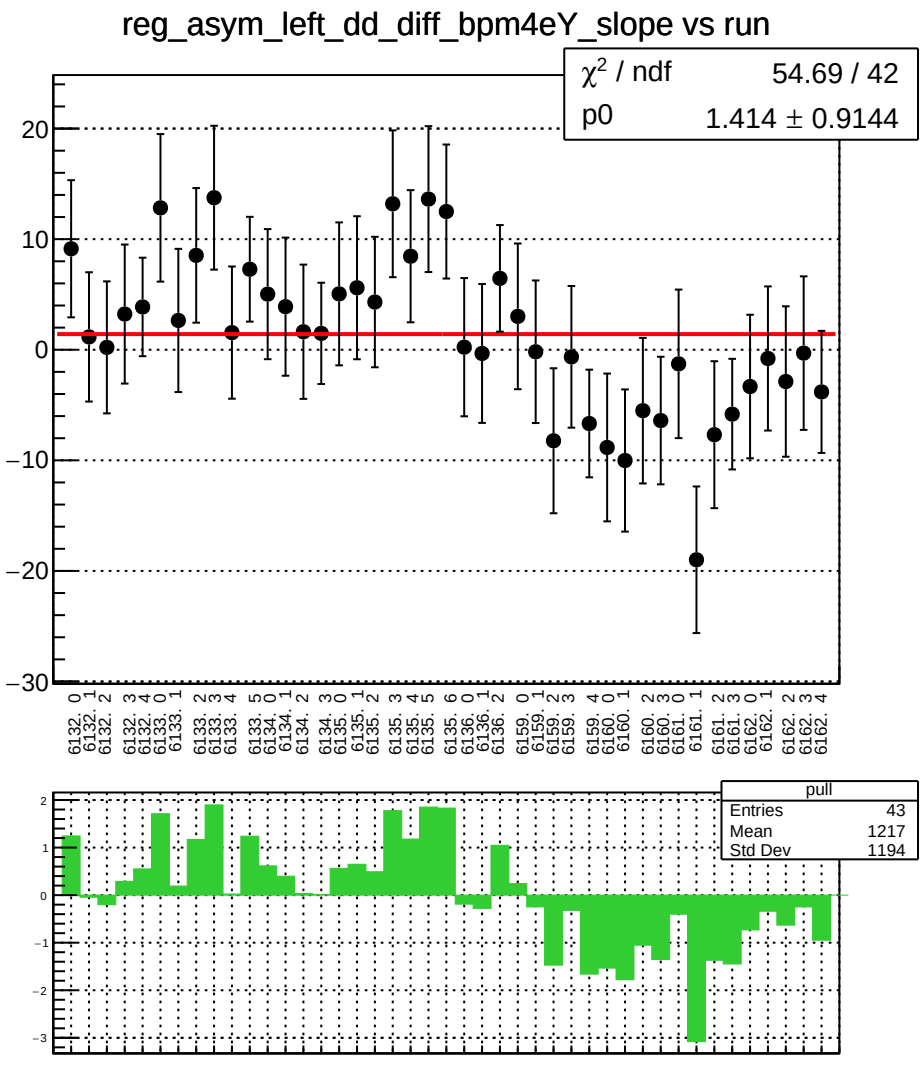

pull1D
Entries 43
Mean 0.0511
Std Dev 1.149
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

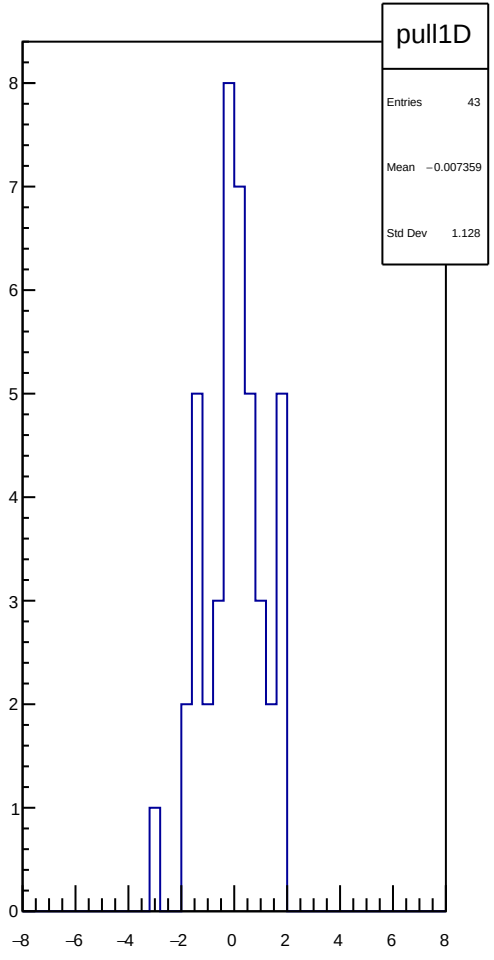

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 43.15 / 42
p0 7.442 ± 0.8601
pull
Entries 43
Mean −3858
Std Dev 3881

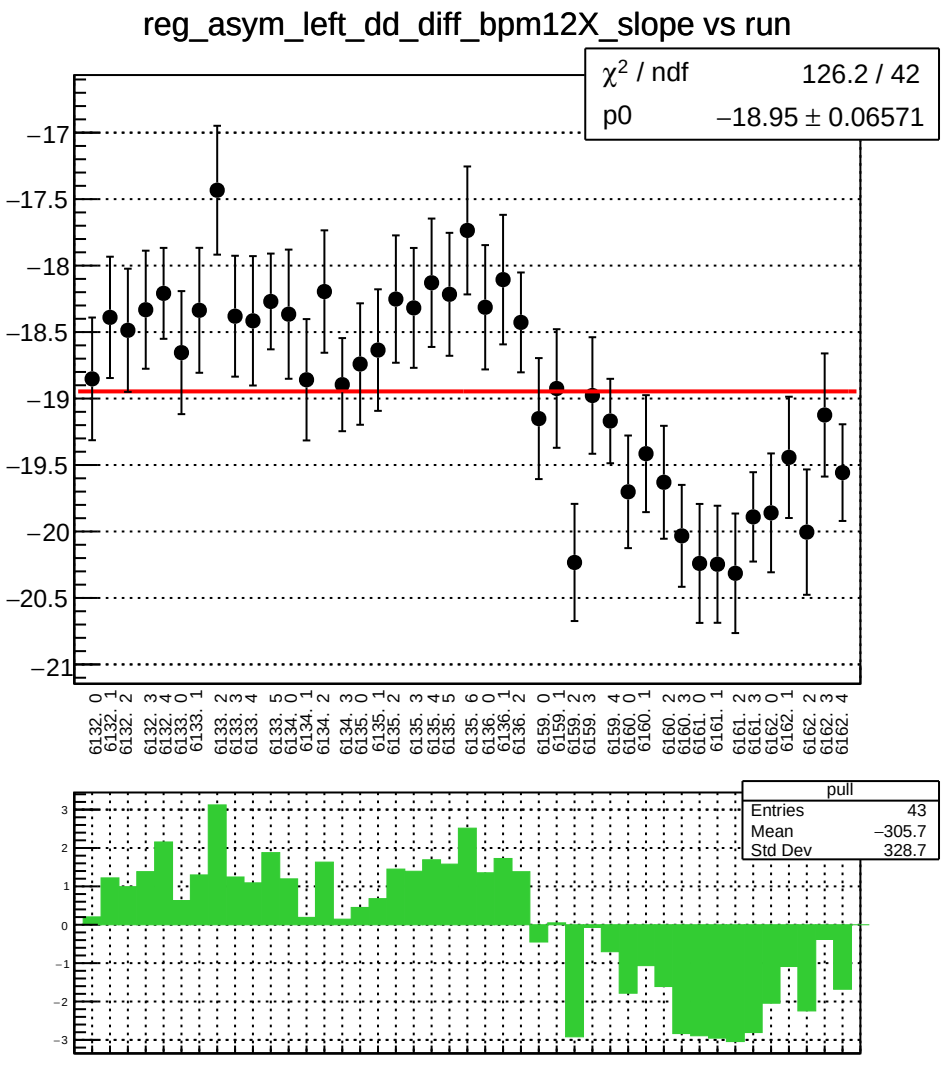

pull1D
Entries 43
Mean −0.001867
Std Dev 1.002

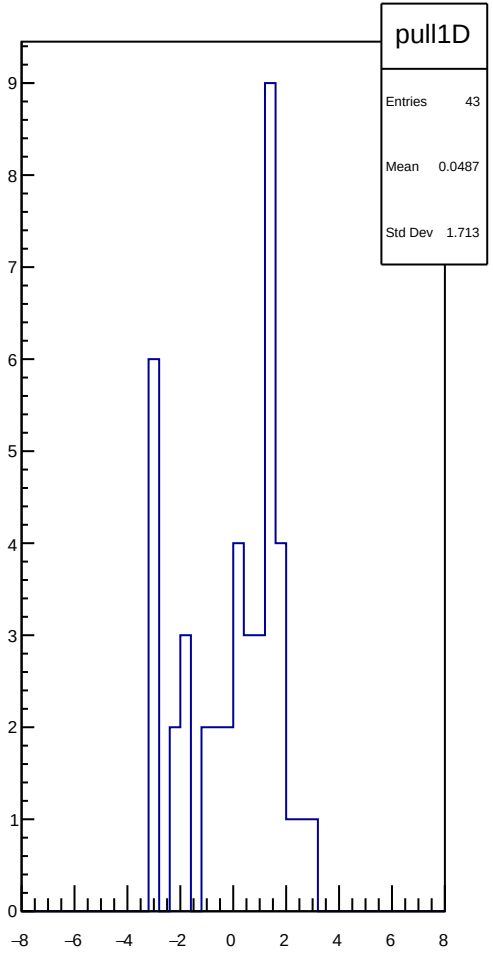

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 52.16 / 42
p0 36.63 ± 1.48
pull
Entries 43
Mean −165.9
Std Dev 189

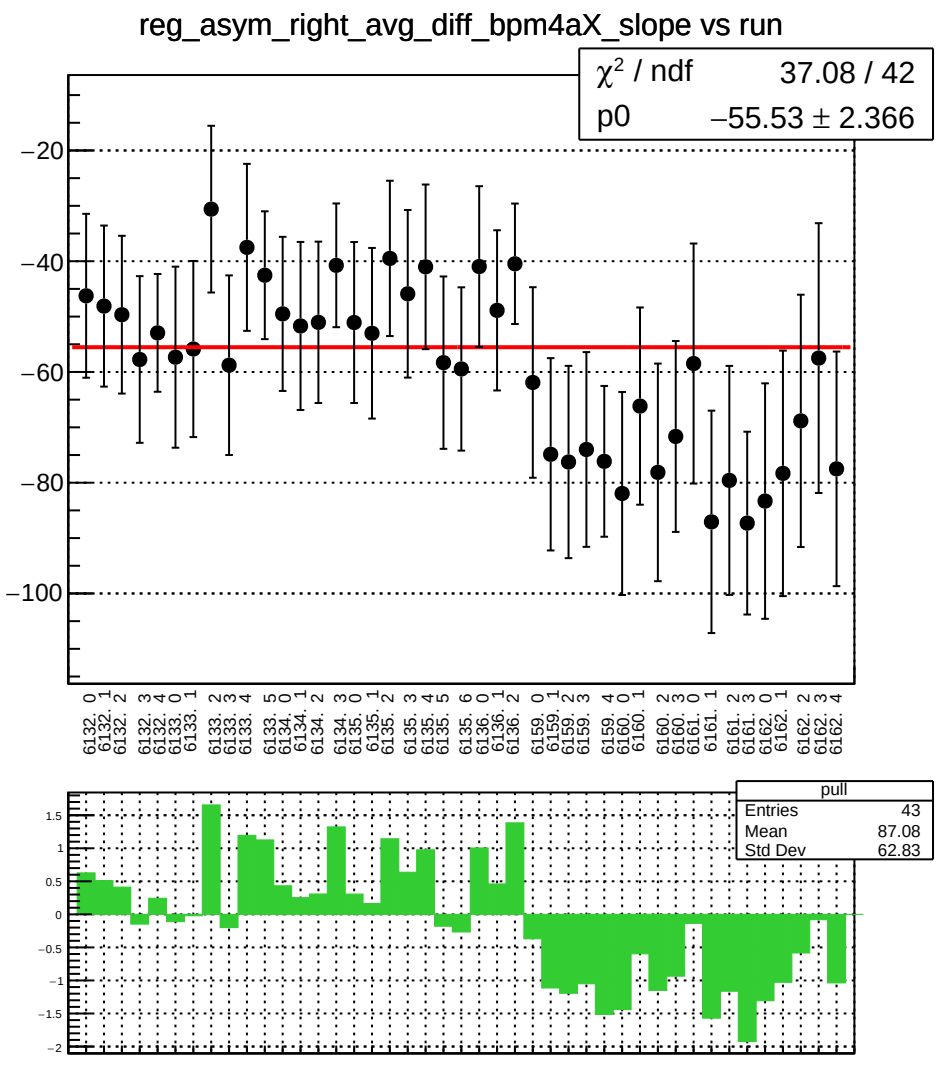

pull1D
Entries 43
Mean −0.04635
Std Dev 1.1

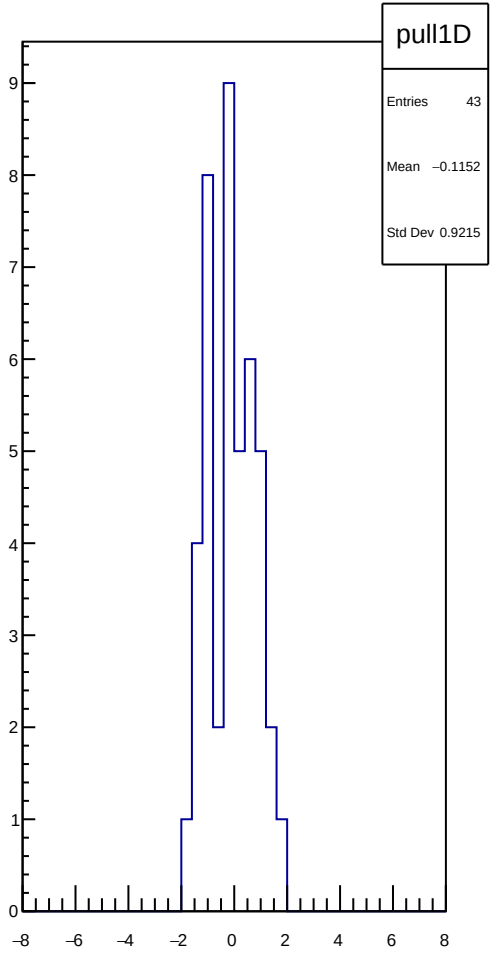

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 54.69 / 42
p0 1.414 ± 0.9144
pull
Entries 43
Mean 1217
Std Dev 1194

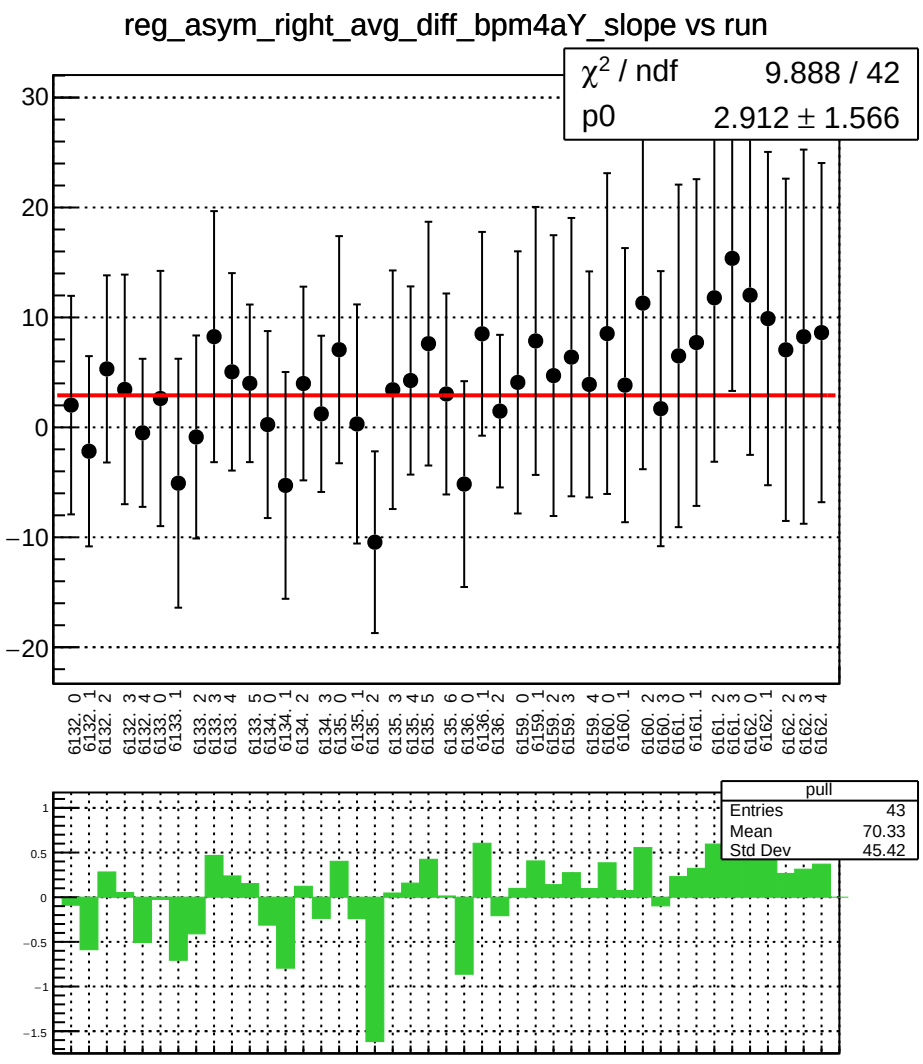

pull1D
Entries 43
Mean −0.007359
Std Dev 1.128

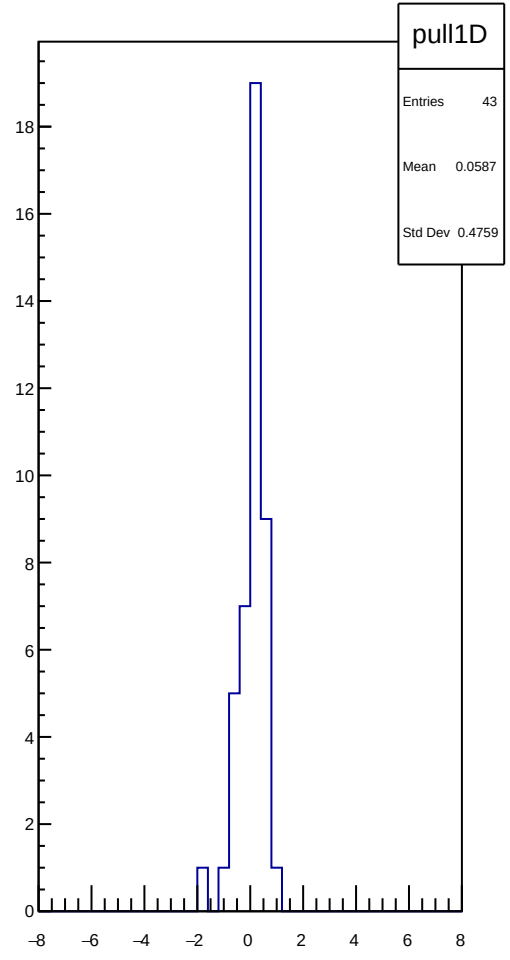

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 126.2 / 42
p0 −18.95 ± 0.06571
pull
Entries 43
Mean −305.7
Std Dev 328.7

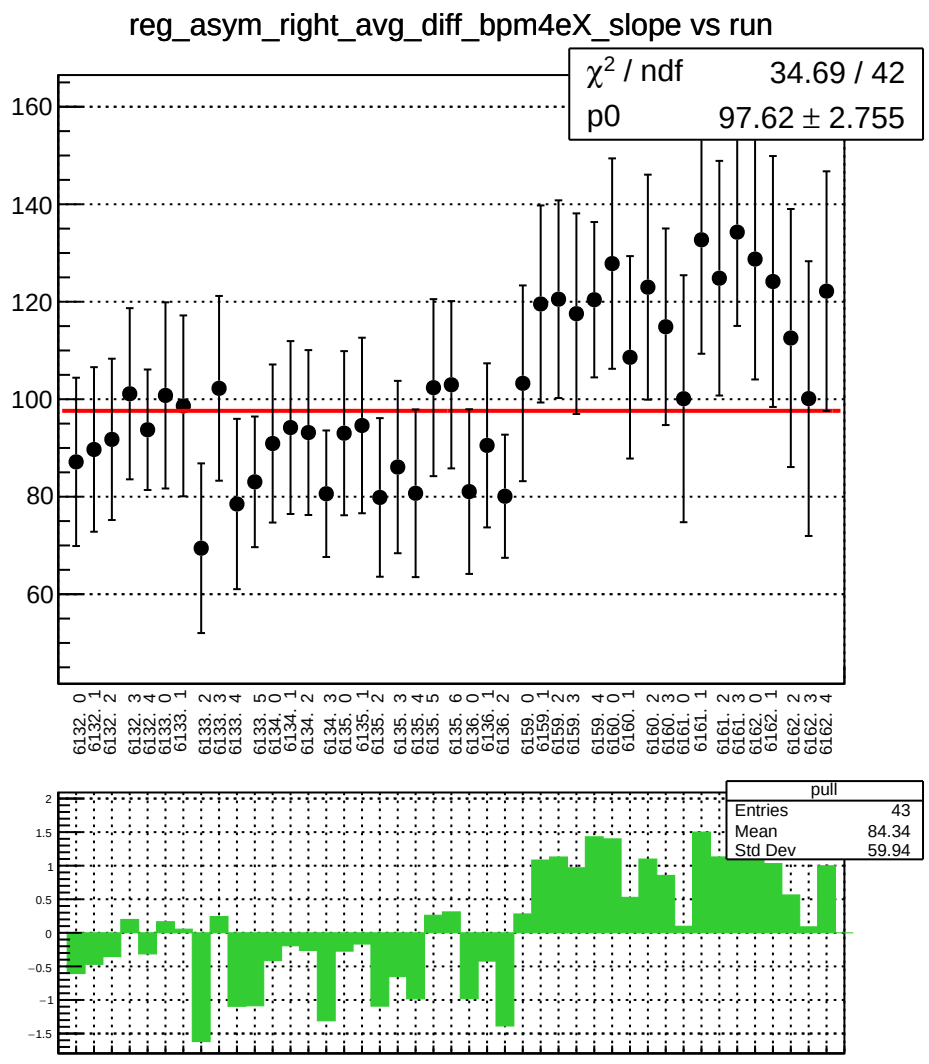

pull1D
Entries 43
Mean 0.0487
Std Dev 1.713

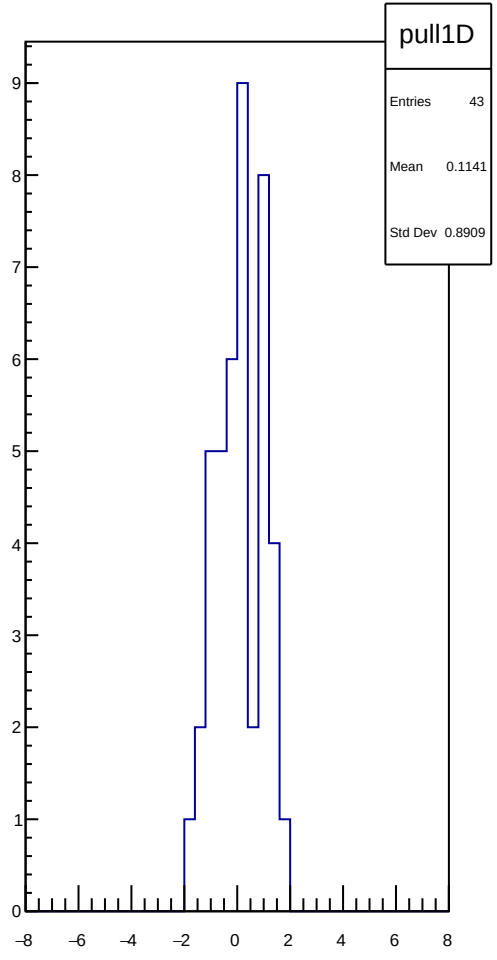

reg_asym_right_avg_diff_bpm4aX_slope vs run
χ² / ndf 37.08 / 42
p0 −55.53 ± 2.366
−20
−40
−60
−80
−100
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 87.08
Std Dev 62.83
1.5
1
0.5
0
−0.5
−1
−1.5
−2

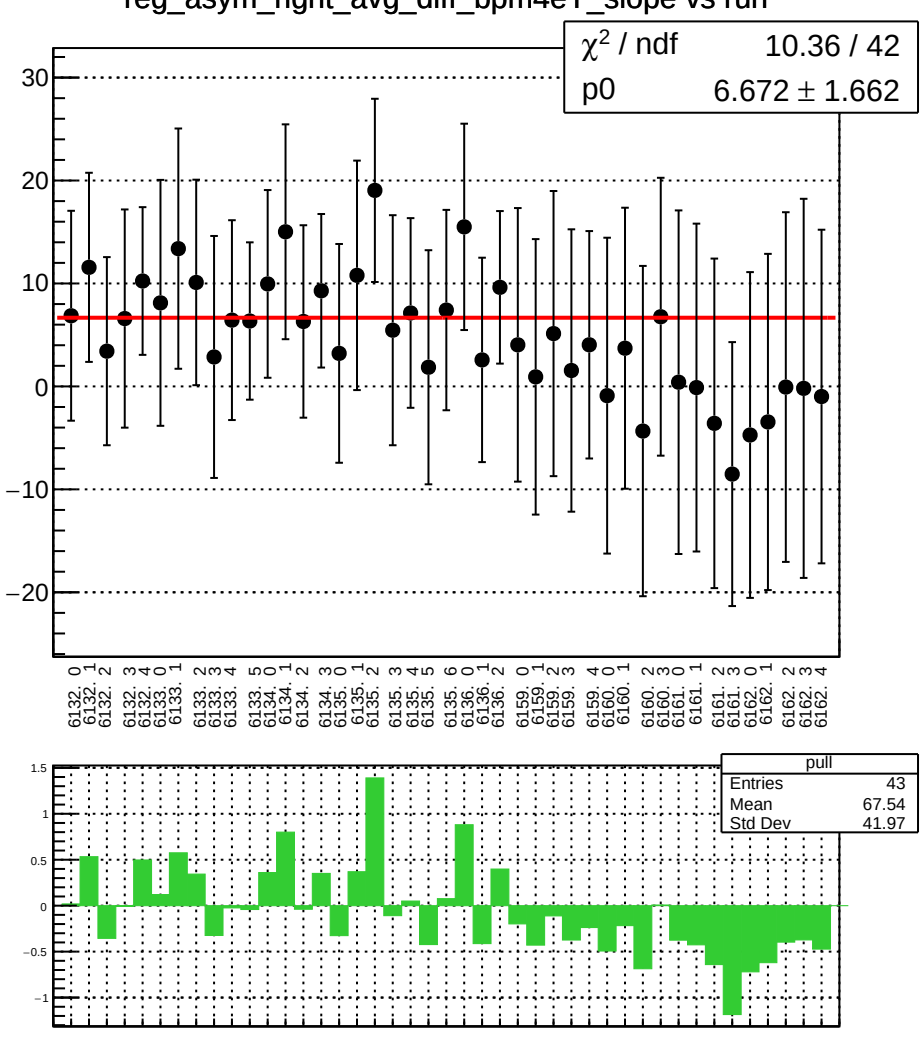

pull1D
Entries 43
Mean −0.1152
Std Dev 0.9215
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

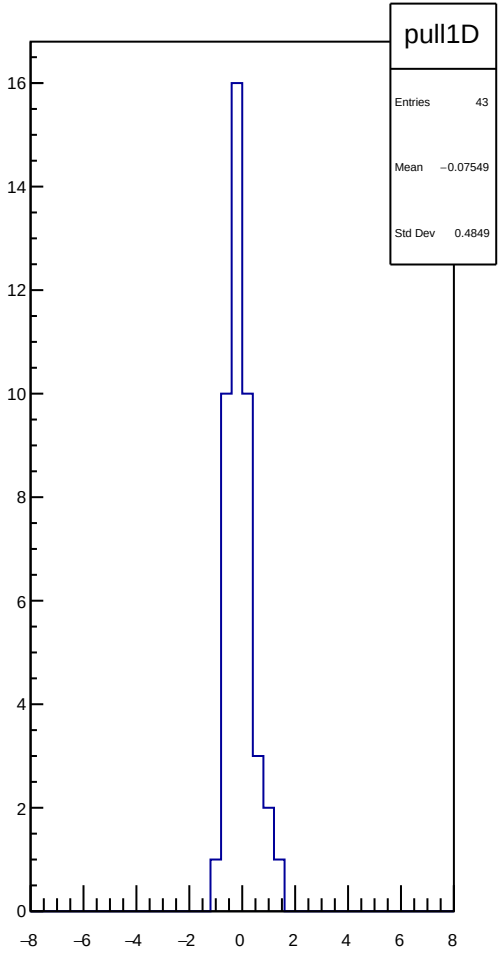

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.888 / 42
p0 2.912 ± 1.566
pull
Entries 43
Mean 70.33
Std Dev 45.42

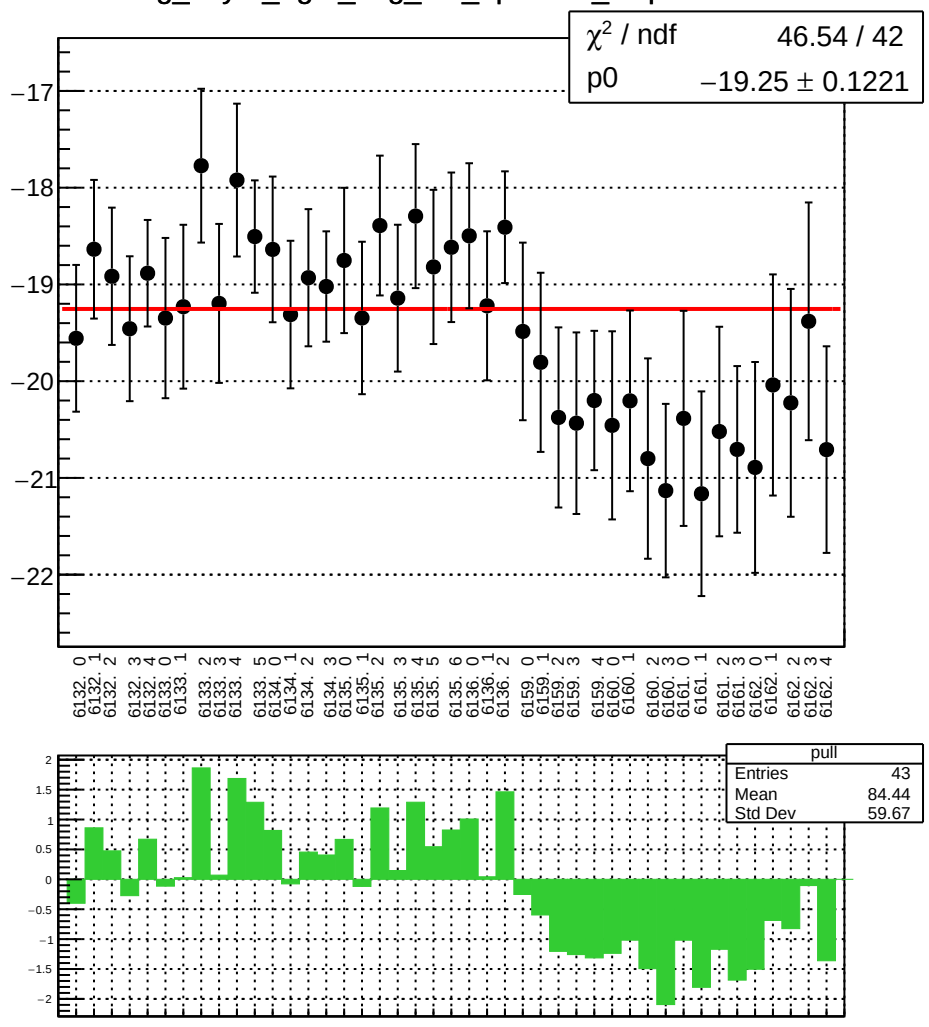

pull1D
Entries 43
Mean 0.0587
Std Dev 0.4759

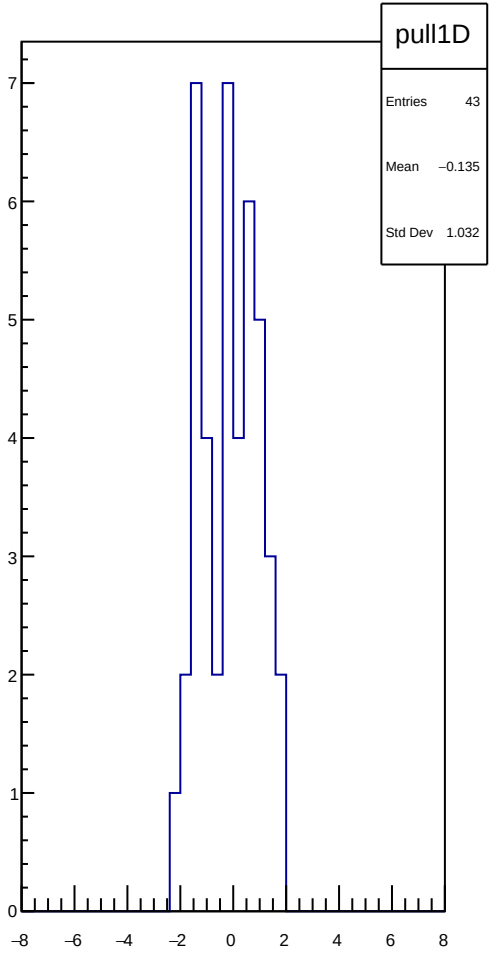

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 34.69 / 42
p0 97.62 ± 2.755
160
140
120
100
80
60
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 84.34
Std Dev 59.94
2
1.5
1
0.5
0
−0.5
−1
−1.5

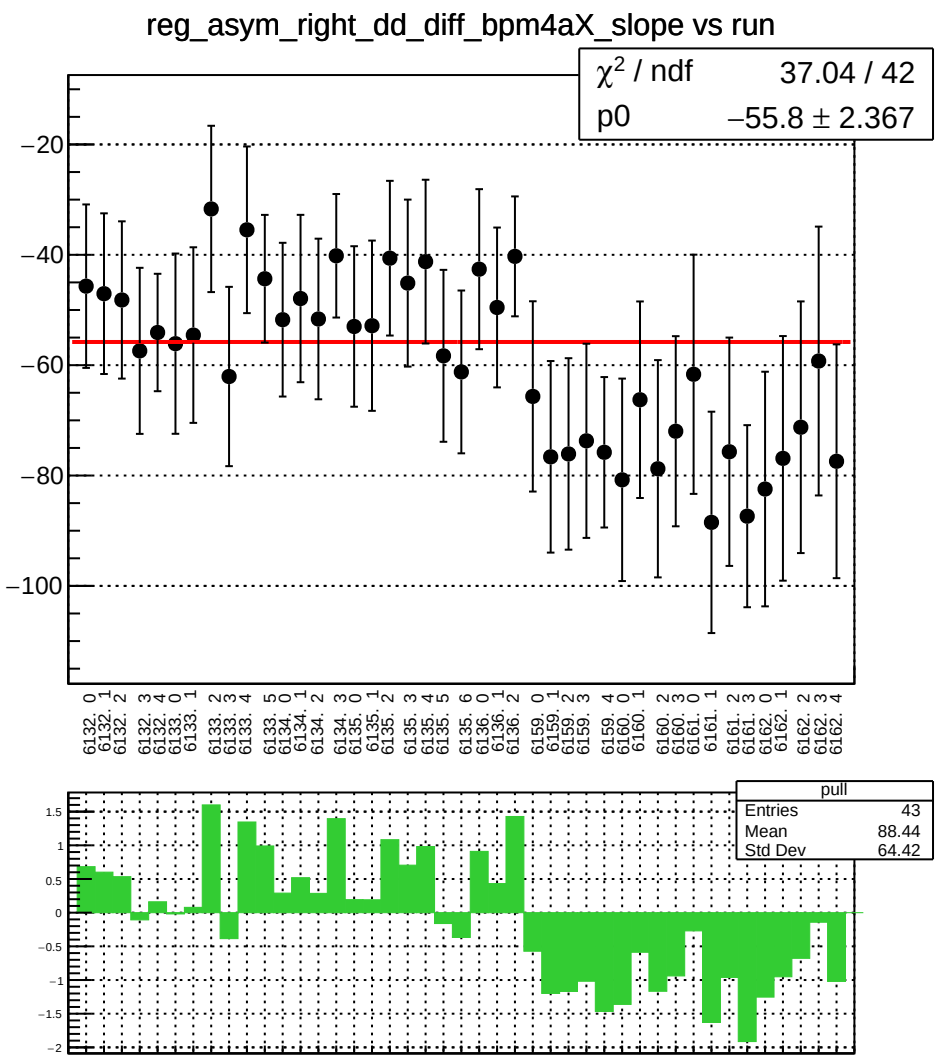

pull1D
Entries 43
Mean 0.1141
Std Dev 0.8909
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

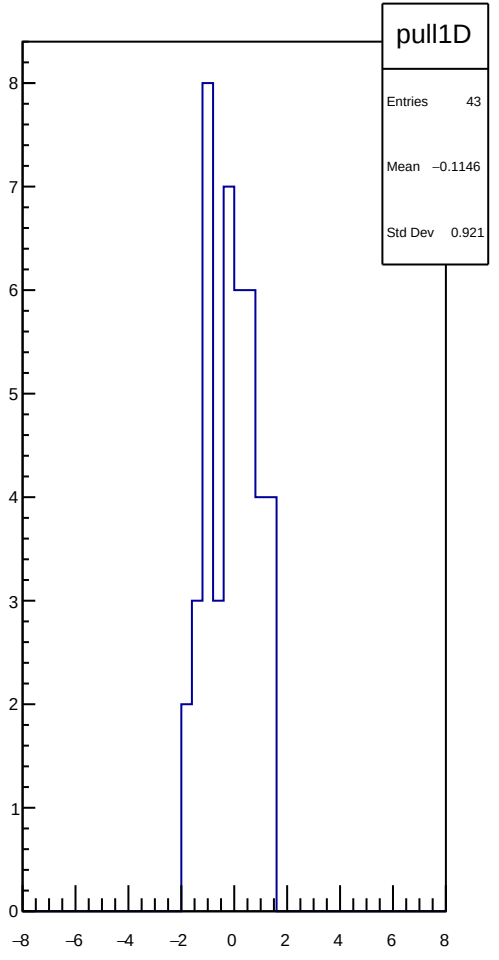

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.36 / 42
p0 6.672 ± 1.662
pull
Entries 43
Mean 67.54
Std Dev 41.97

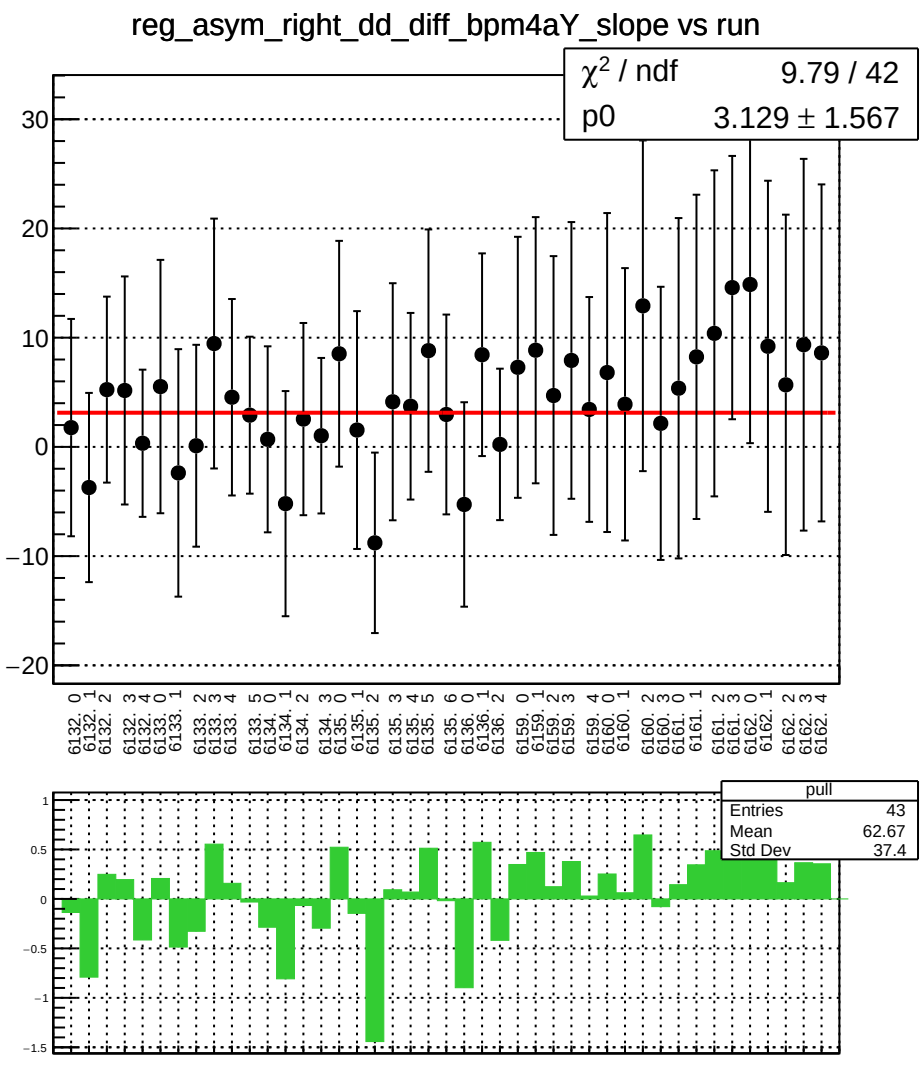

pull1D
Entries 43
Mean −0.07549
Std Dev 0.4849

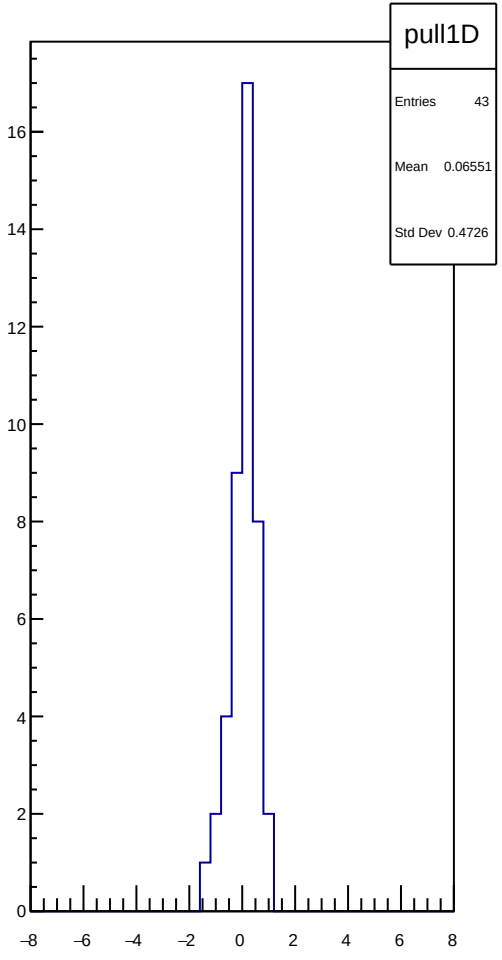

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 46.54 / 42
p0 −19.25 ± 0.1221
pull
Entries 43
Mean 84.44
Std Dev 59.67

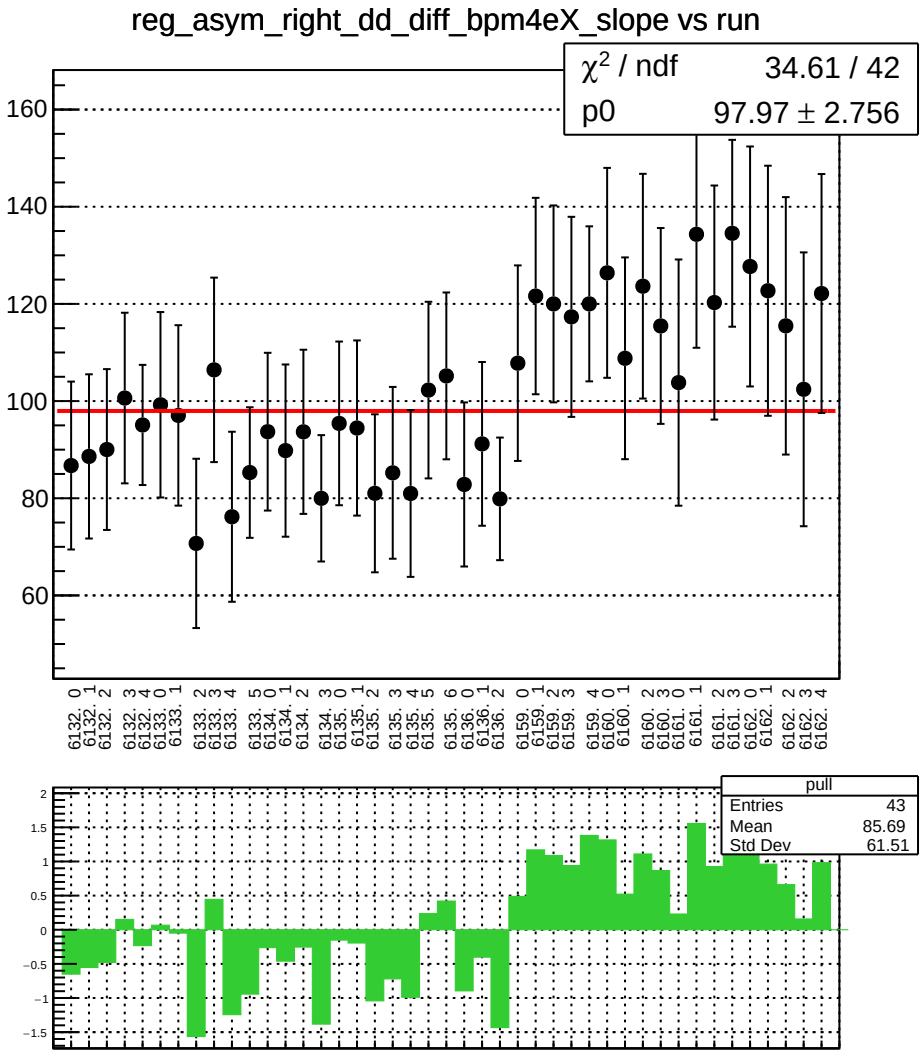

pull1D
Entries 43
Mean −0.135
Std Dev 1.032

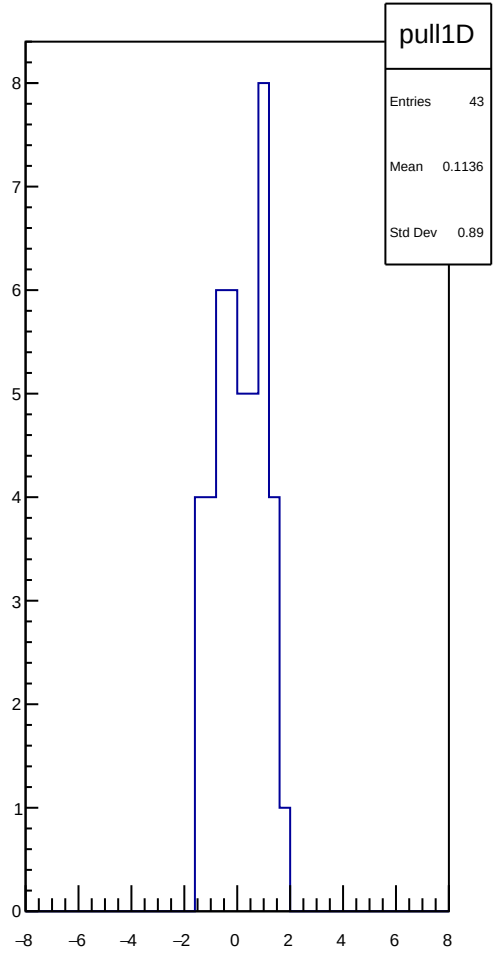

reg_asym_right_dd_diff_bpm4aX_slope vs run
χ² / ndf 37.04 / 42
p0 −55.8 ± 2.367
−20
−40
−60
−80
−100
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 88.44
Std Dev 64.42
1.5
1
0.5
0
−0.5
−1
−1.5
−2

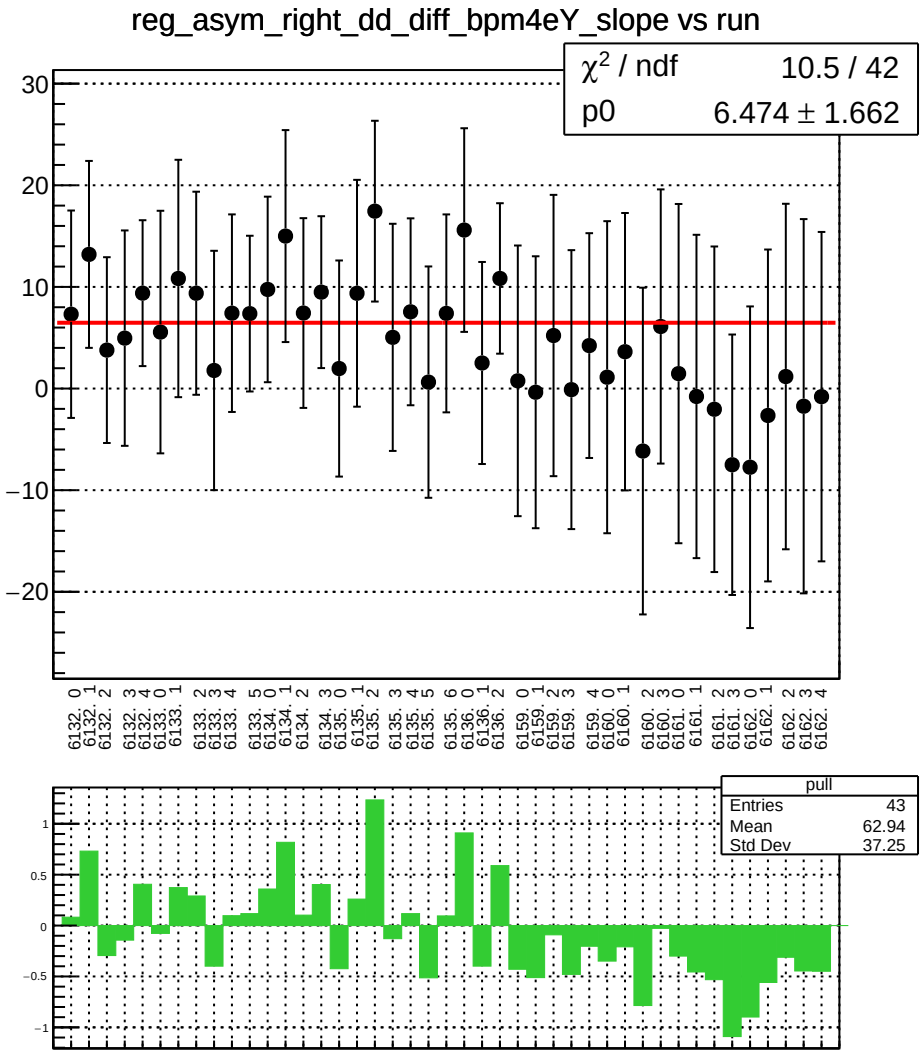

pull1D
Entries 43
Mean −0.1146
Std Dev 0.921
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

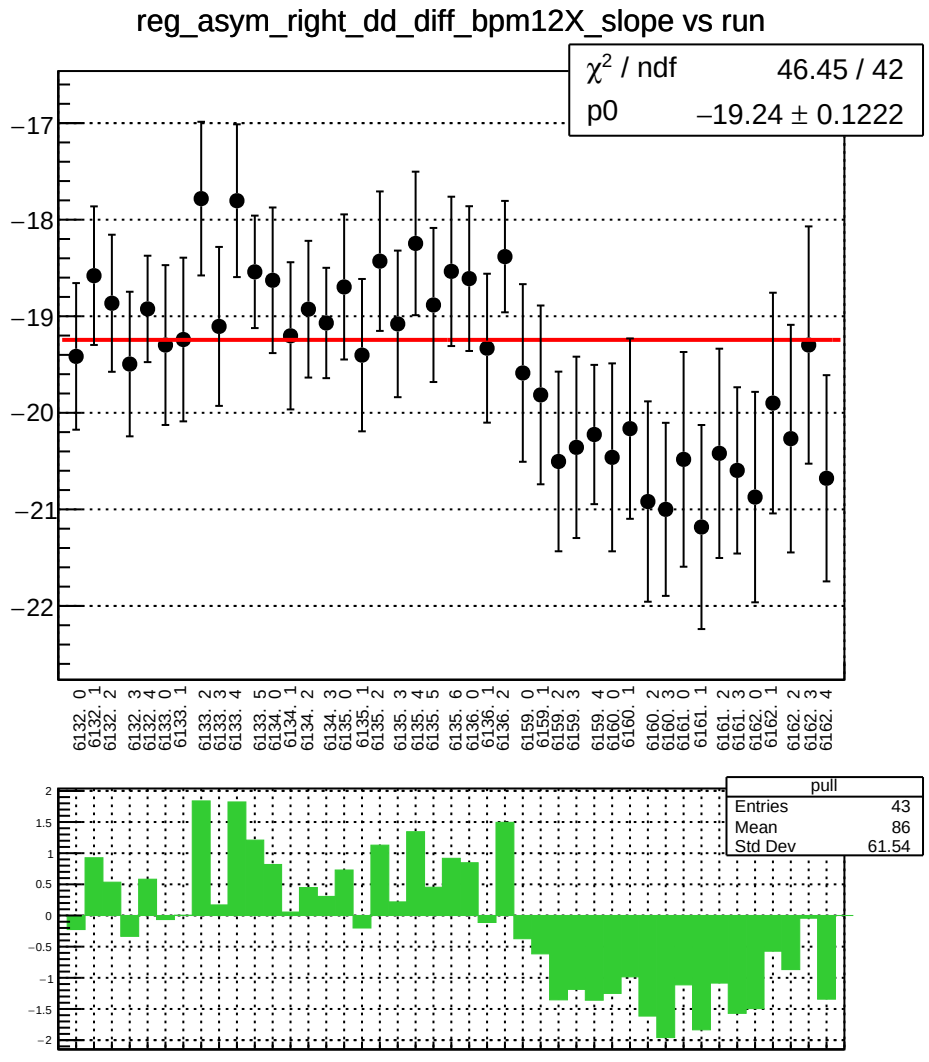

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.79 / 42
p0 3.129 ± 1.567
pull
Entries 43
Mean 62.67
Std Dev 37.4

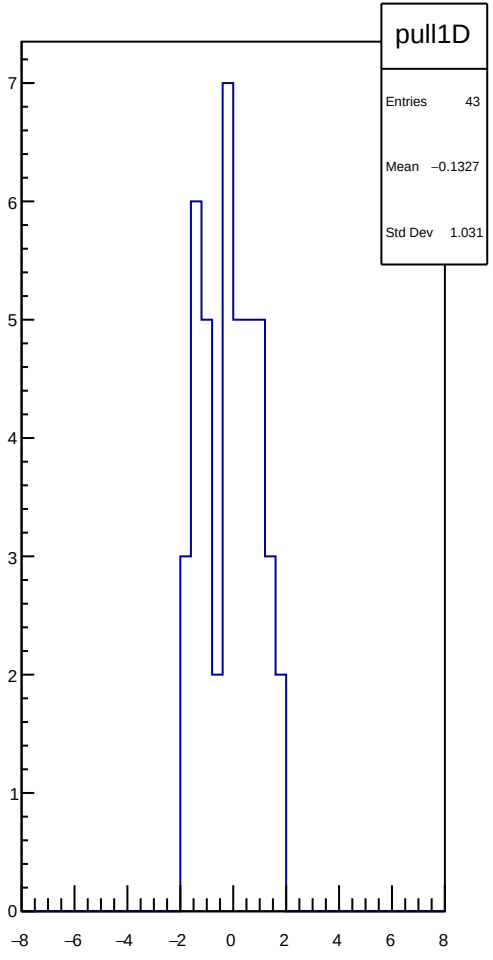

pull1D
Entries 43
Mean 0.06551
Std Dev 0.4726

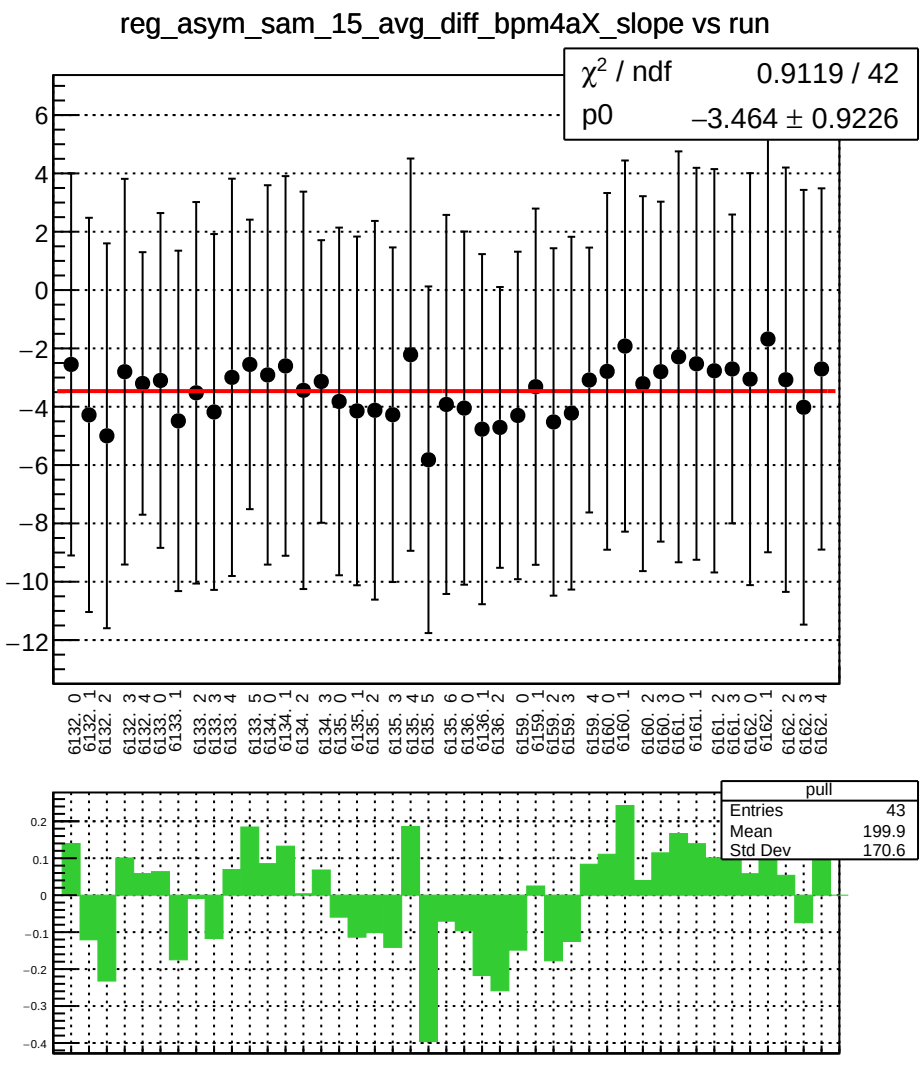

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 34.61 / 42
p0 97.97 ± 2.756
160
140
120
100
80
60
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 85.69
Std Dev 61.51
2
1.5
1
0.5
0
−0.5
−1
−1.5

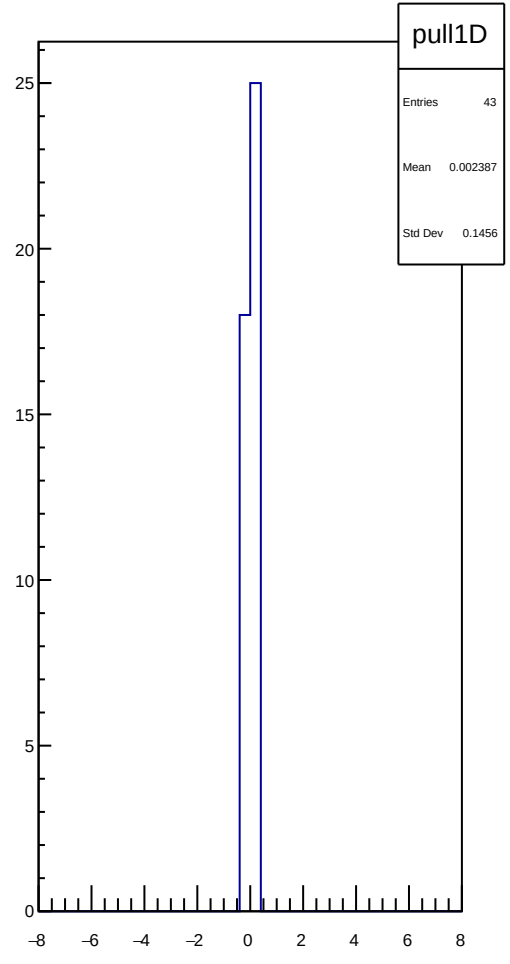

pull1D
Entries 43
Mean 0.1136
Std Dev 0.89
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

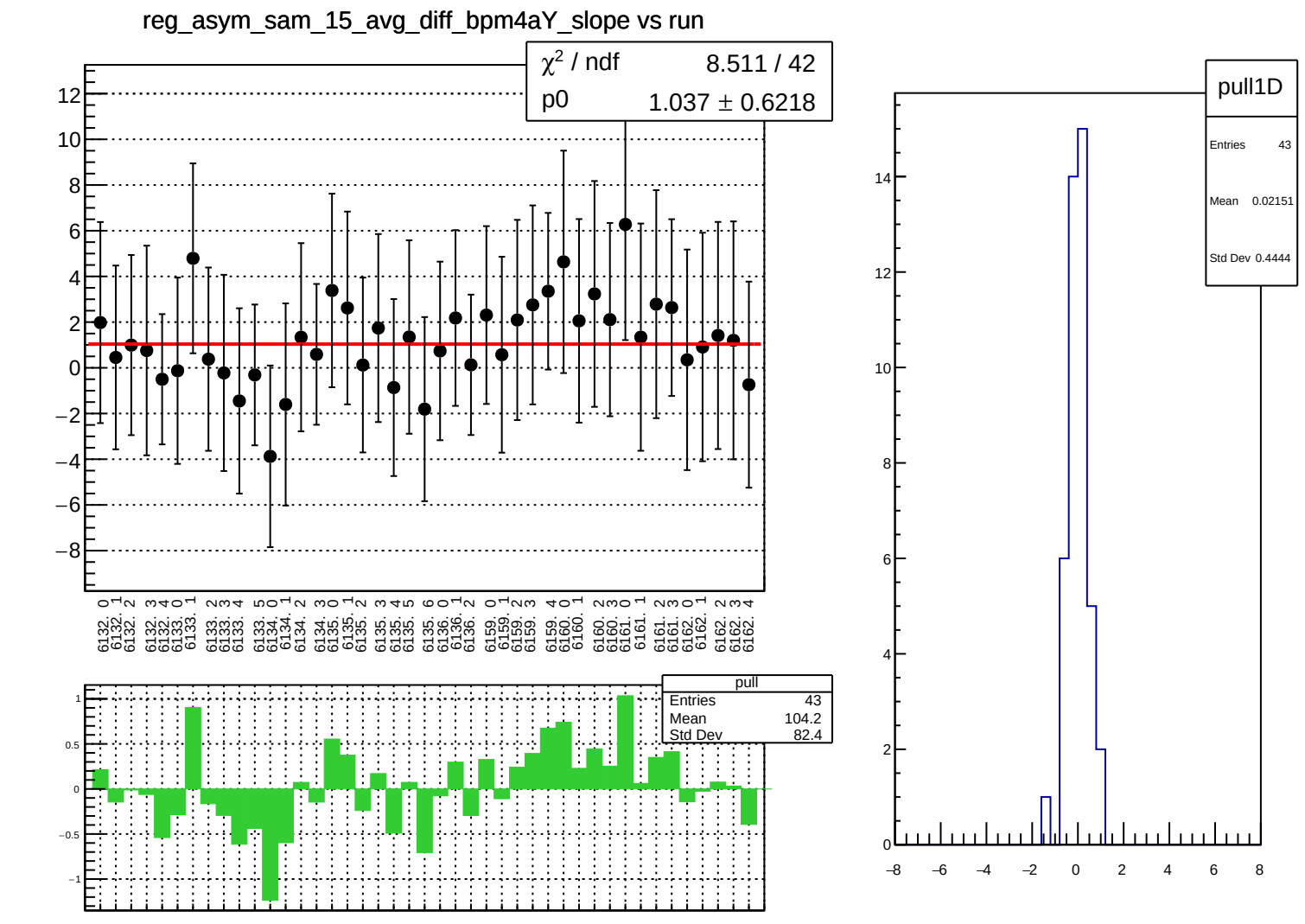

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.5 / 42
p0 6.474 ± 1.662
30
20
10
0
−10
−20
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 62.94
Std Dev 37.25
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean −0.08184
Std Dev 0.4873
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

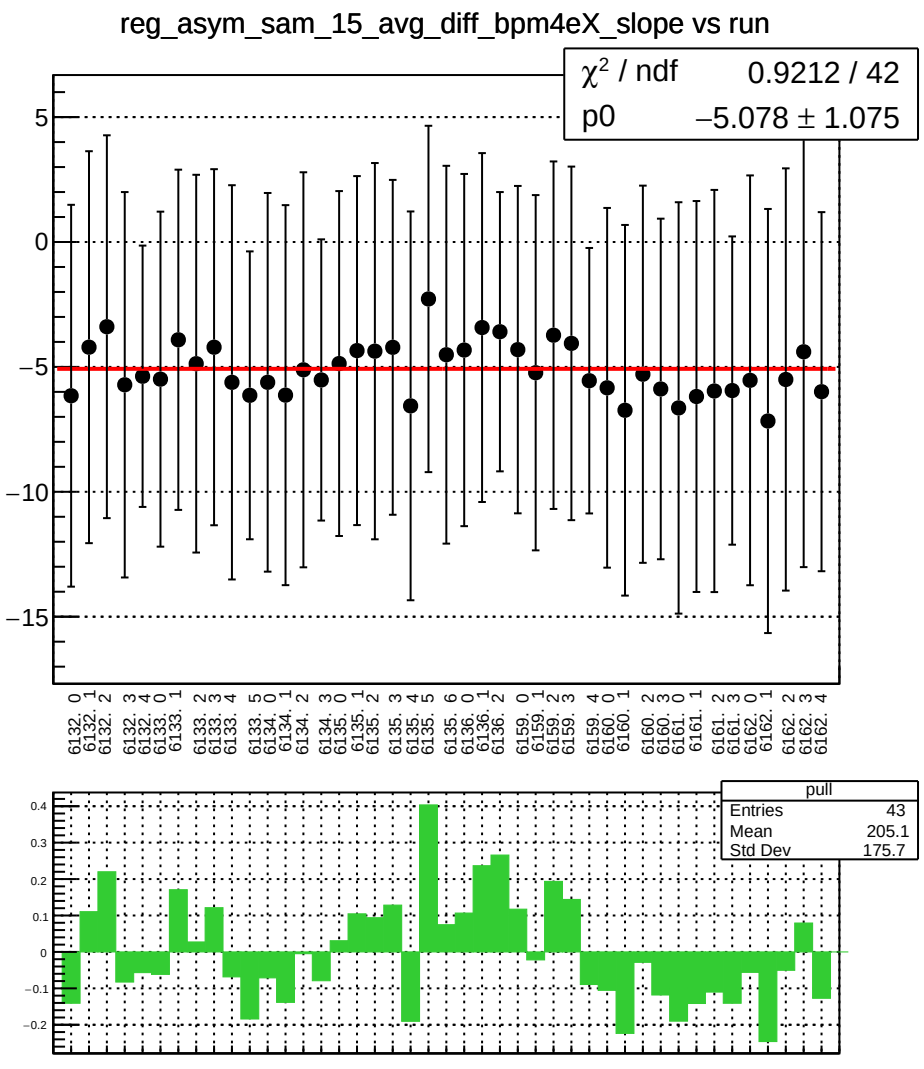

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 46.45 / 42
p0 −19.24 ± 0.1222
pull
Entries 43
Mean 86
Std Dev 61.54

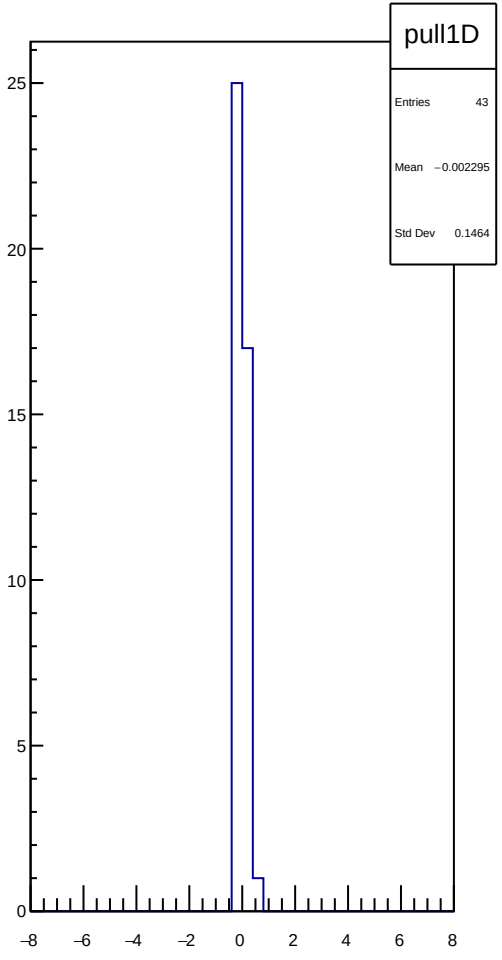

pull1D
Entries 43
Mean −0.1327
Std Dev 1.031

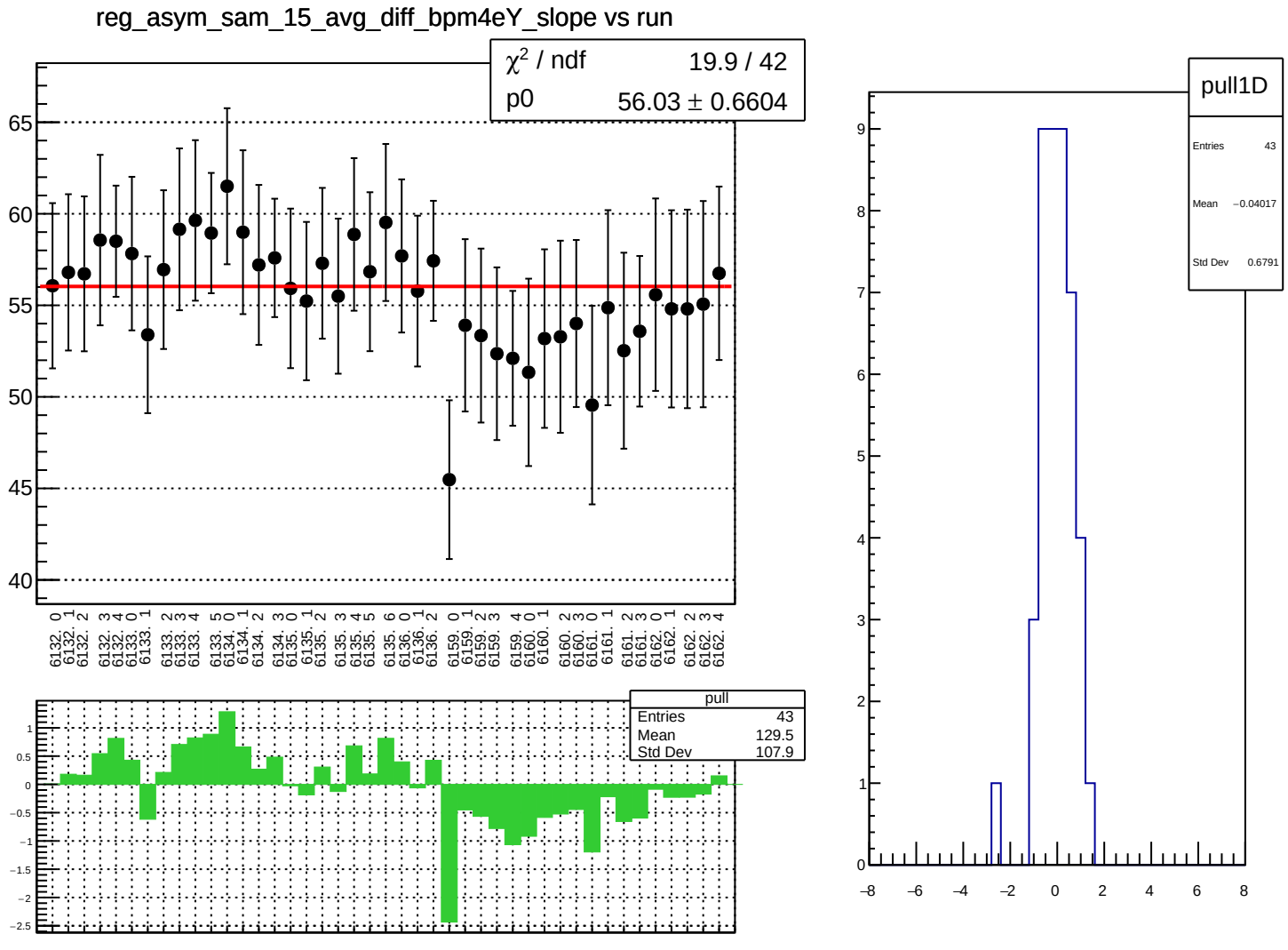

reg_asym_sam_15_avg_diff_bpm4aX_slope vs run
χ² / ndf 0.9119 / 42
p0 −3.464 ± 0.9226
pull
Entries 43
Mean 199.9
Std Dev 170.6

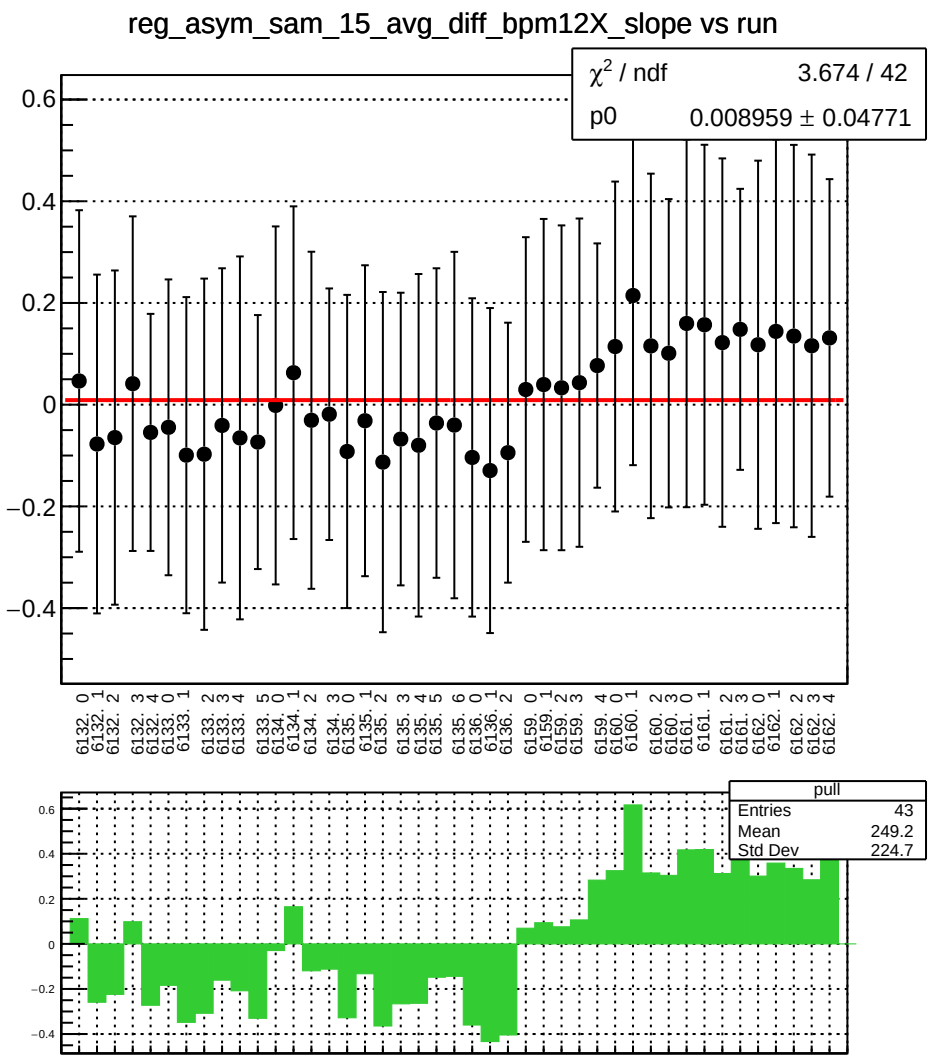

pull1D
Entries 43
Mean 0.002387
Std Dev 0.1456

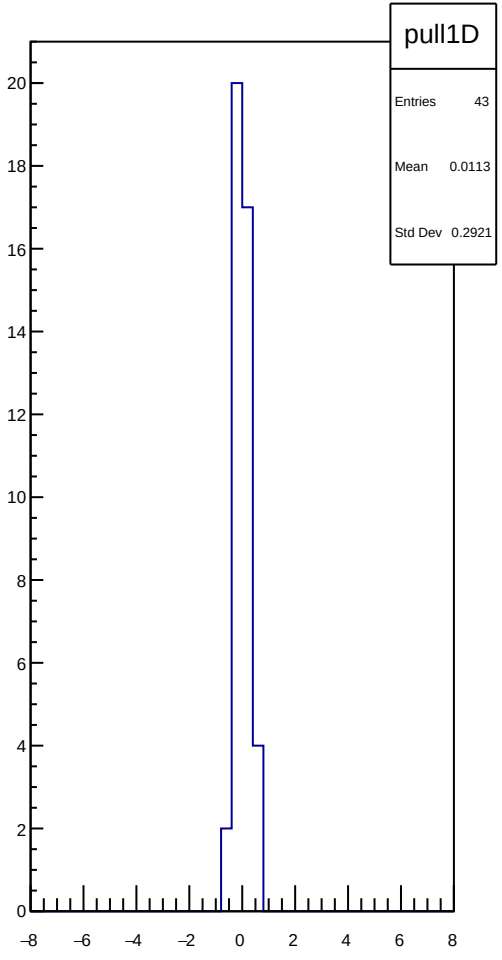

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.511 / 42
p0 1.037 ± 0.6218
pull
Entries 43
Mean 104.2
Std Dev 82.4
pull1D
Entries 43
Mean 0.02151
Std Dev 0.4444

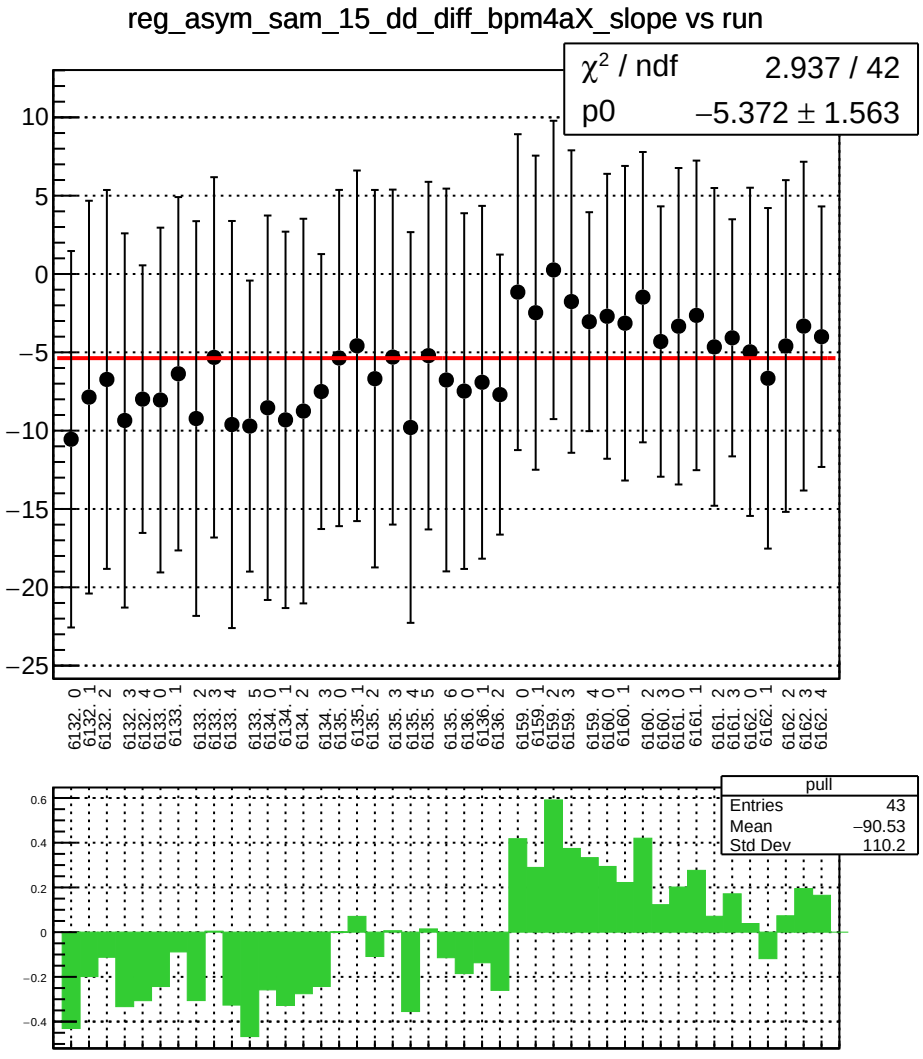

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 0.9212 / 42
p0 −5.078 ± 1.075
5
0
−5
−10
−15
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 205.1
Std Dev 175.7
0.4
0.3
0.2
0.1
0
−0.1
−0.2

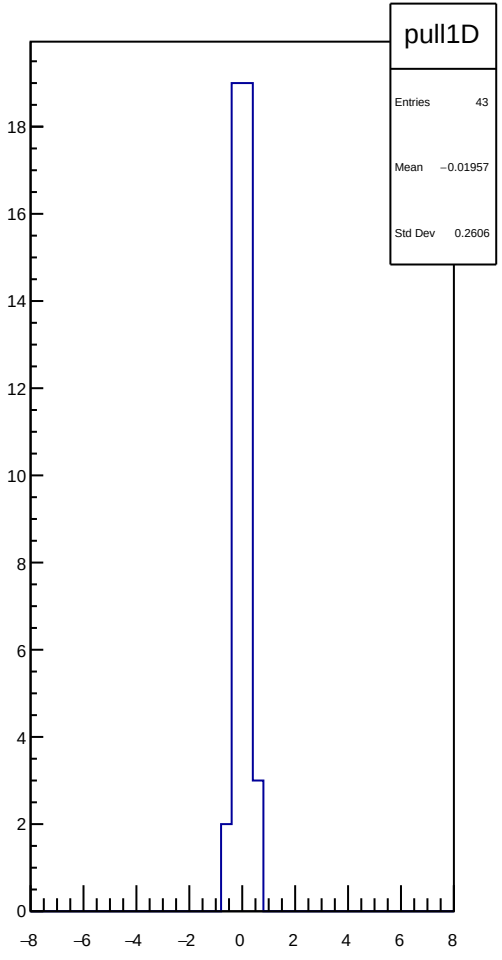

pull1D
Entries 43
Mean −0.002295
Std Dev 0.1464
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

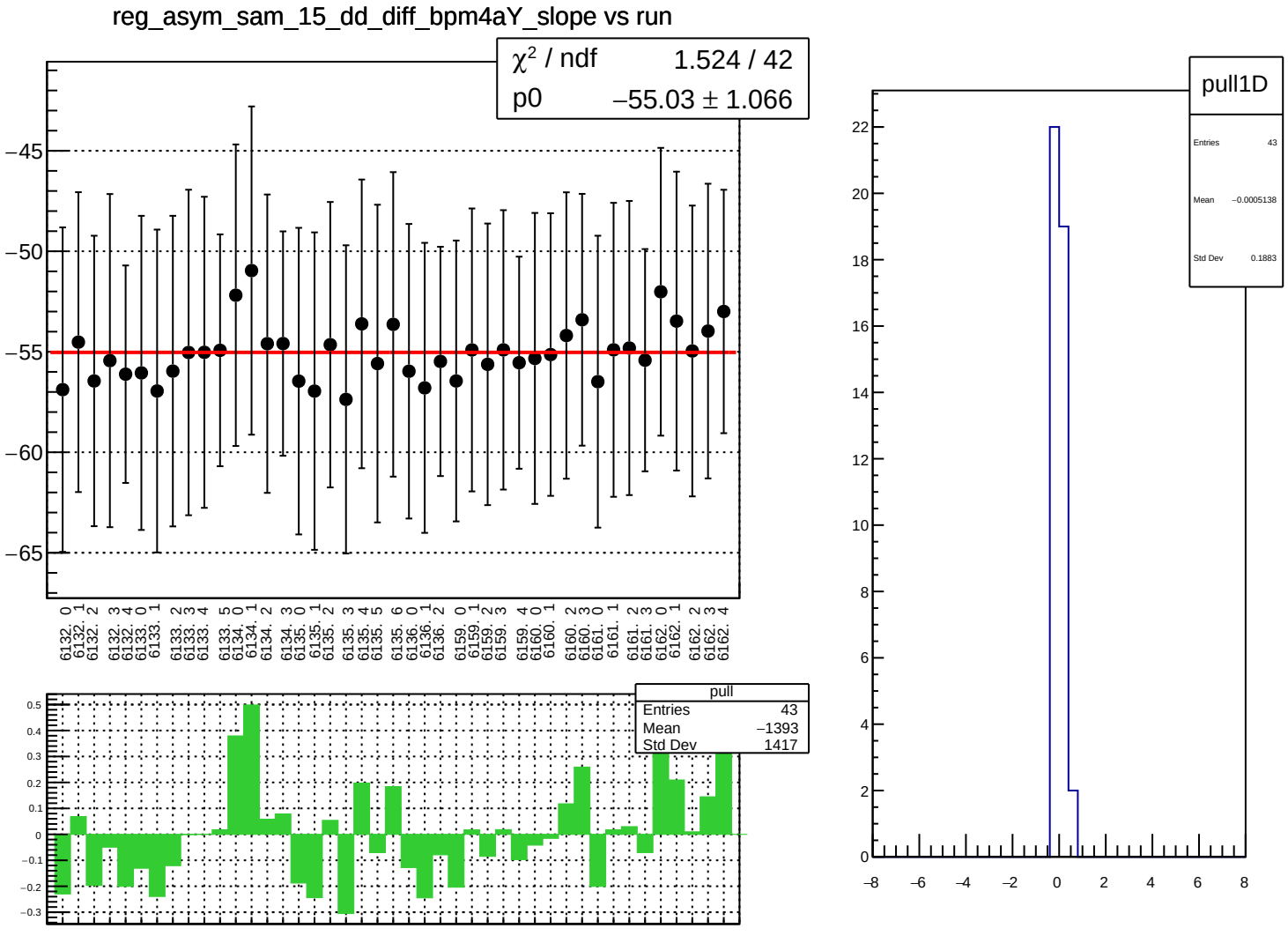

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 19.9 / 42
p0 56.03 ± 0.6604
65
60
55
50
45
40
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 129.5
Std Dev 107.9
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean −0.04017
Std Dev 0.6791
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

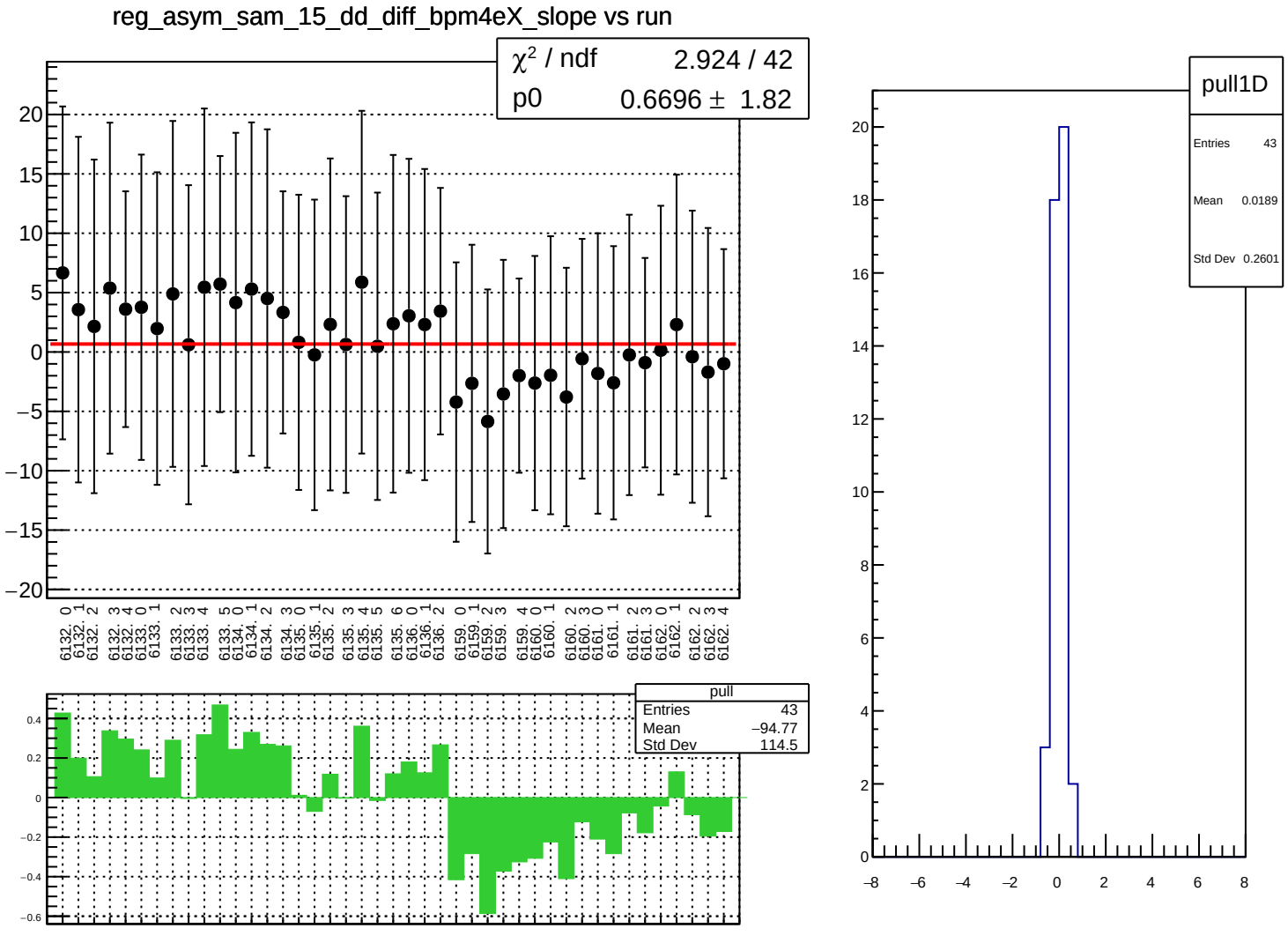

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 3.674 / 42
p0 0.008959 ± 0.04771
pull
Entries 43
Mean 249.2
Std Dev 224.7

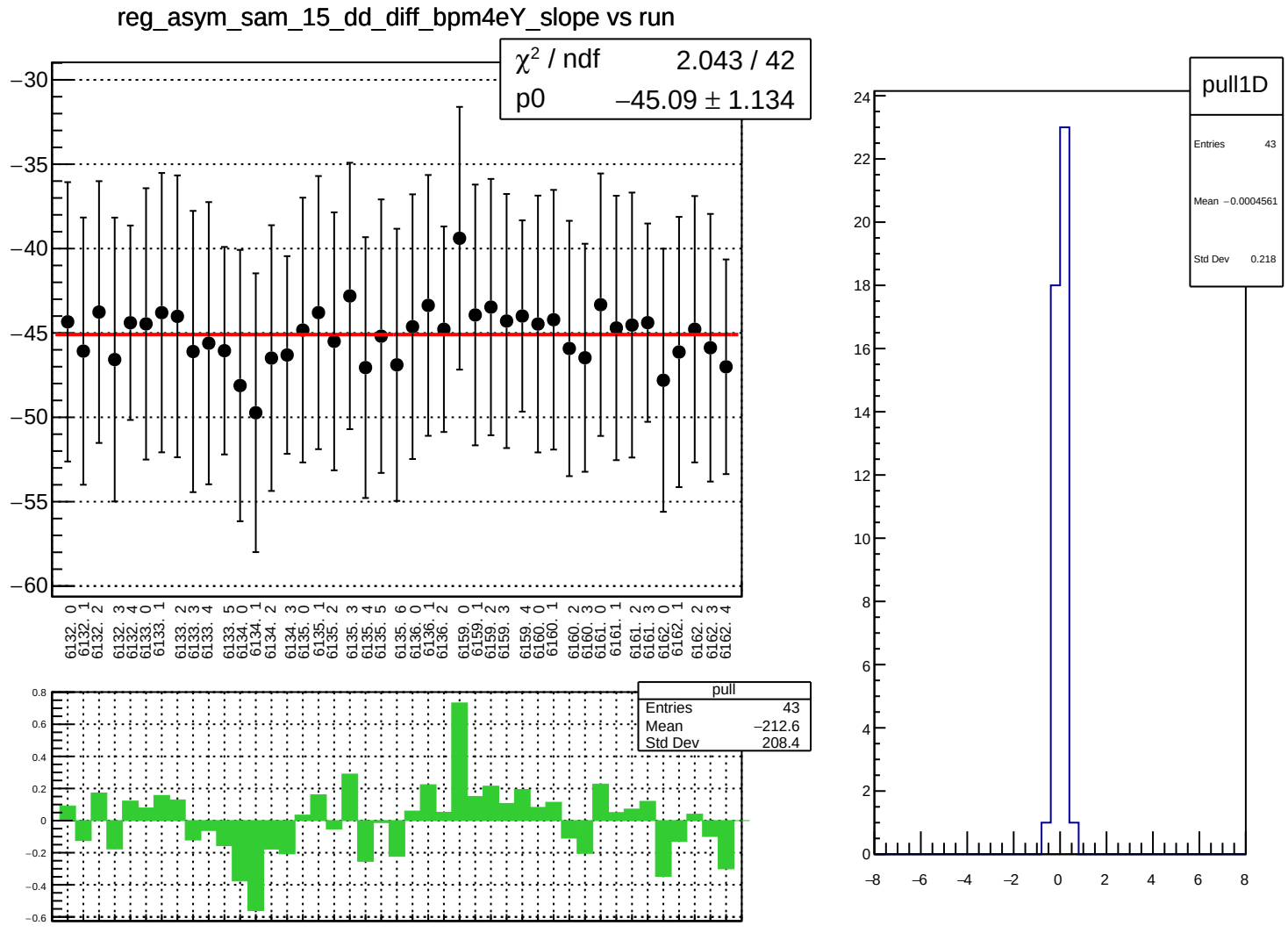

pull1D
Entries 43
Mean 0.0113
Std Dev 0.2921

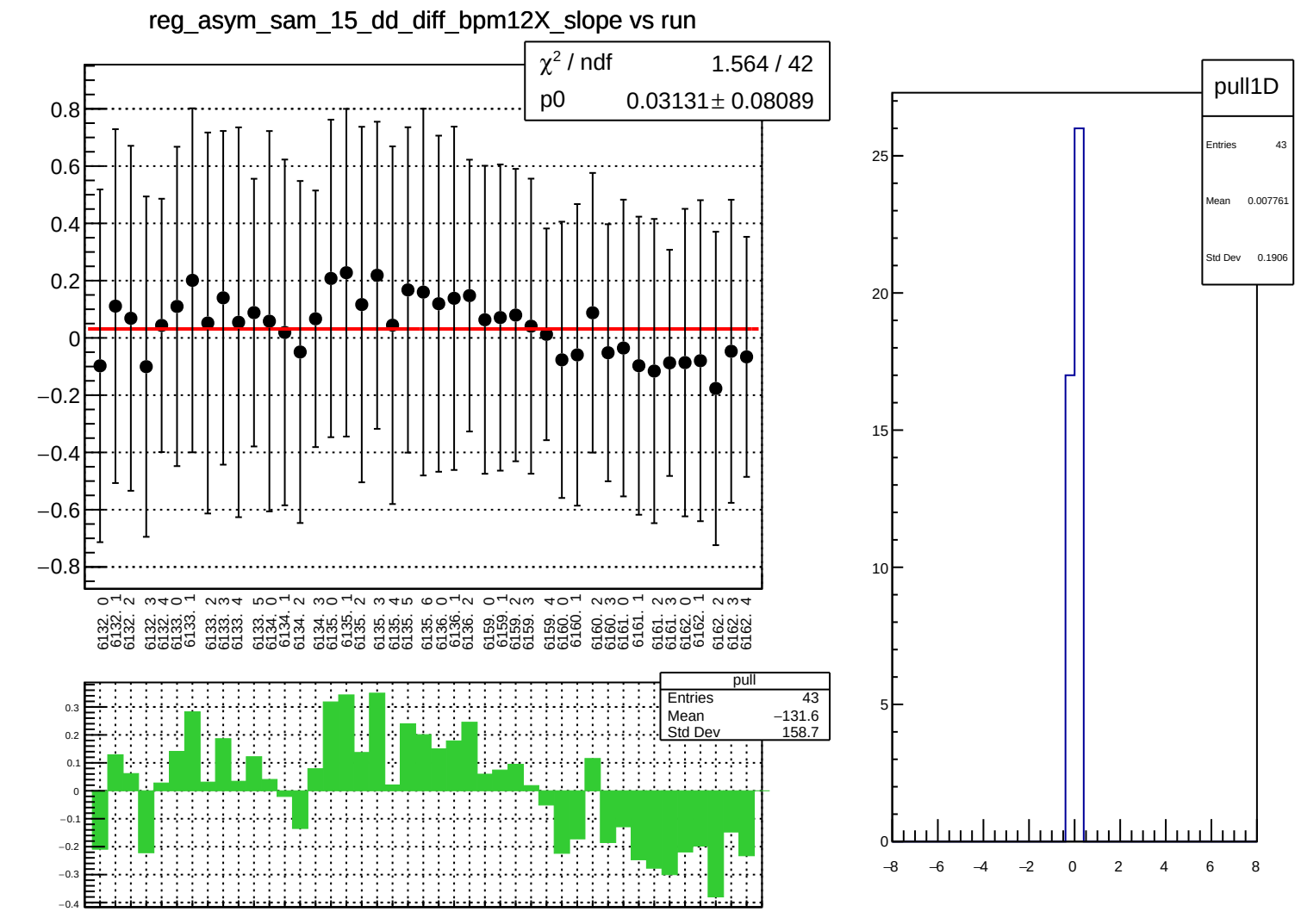

reg_asym_sam_15_dd_diff_bpm4aX_slope vs run
χ² / ndf 2.937 / 42
p0 −5.372 ± 1.563
pull
Entries 43
Mean −90.53
Std Dev 110.2

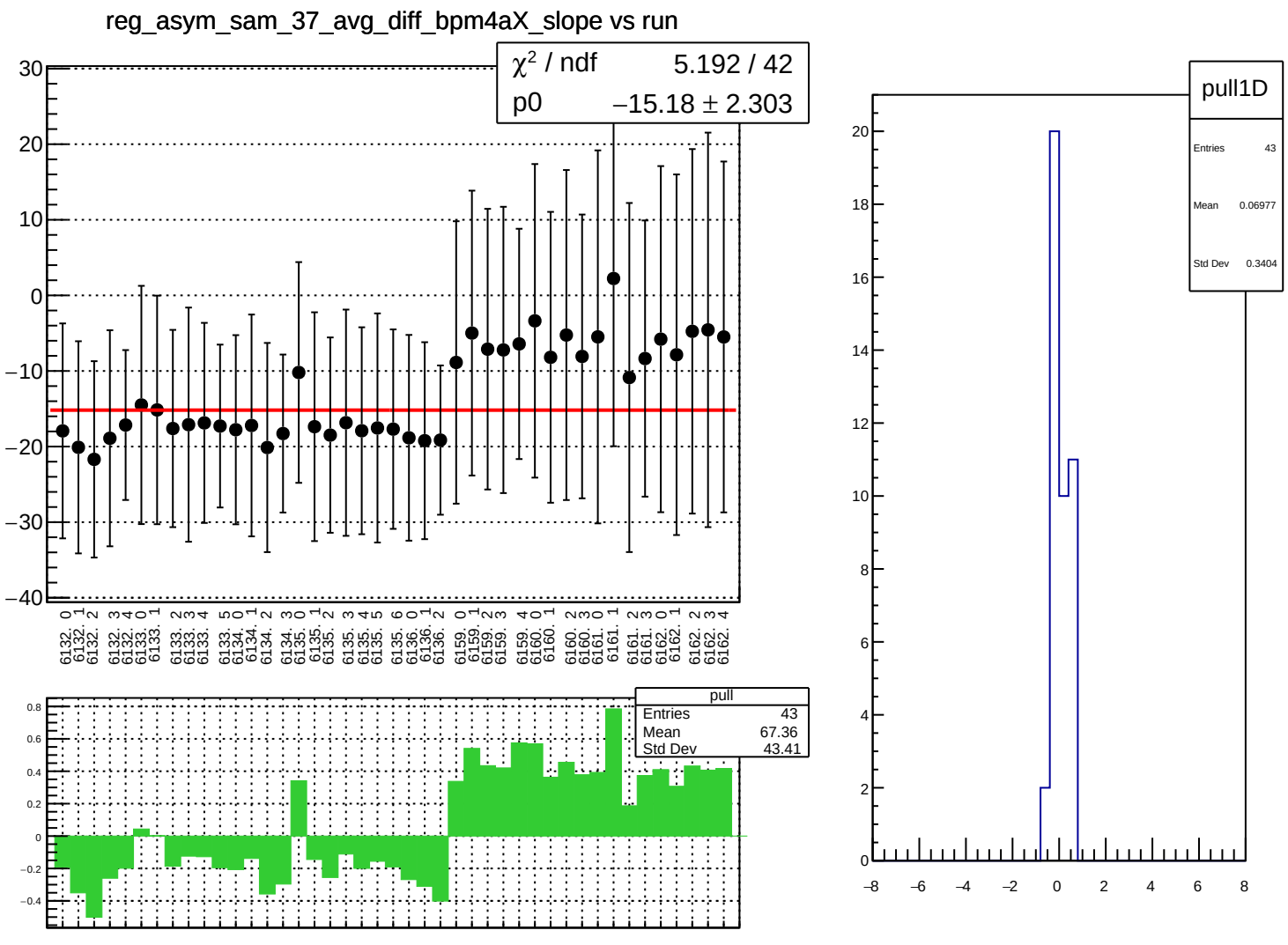

pull1D
Entries 43
Mean −0.01957
Std Dev 0.2606

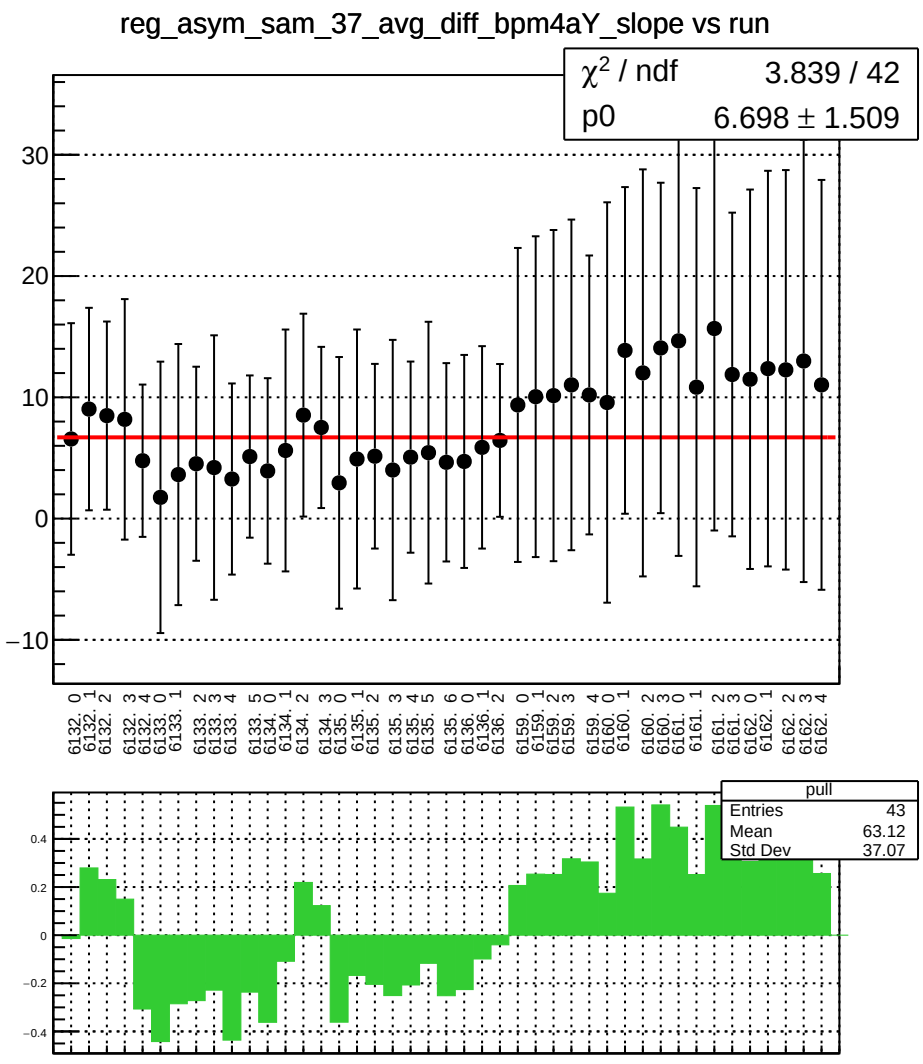

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.524 / 42
p0 −55.03 ± 1.066
−45
−50
−55
−60
−65
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −1393
Std Dev 1417
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 43
Mean −0.0005138
Std Dev 0.1883
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

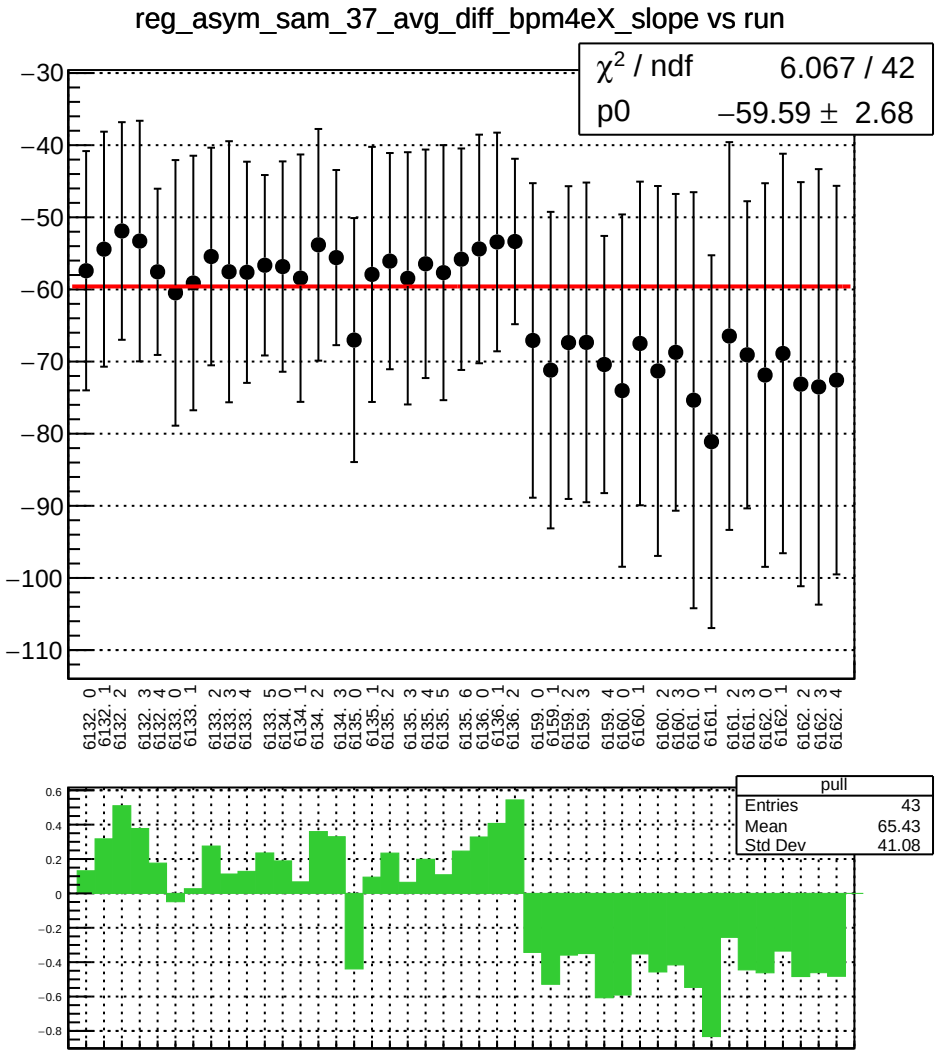

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.924 / 42
p0 0.6696 ± 1.82
pull
Entries 43
Mean −94.77
Std Dev 114.5
pull1D
Entries 43
Mean 0.0189
Std Dev 0.2601

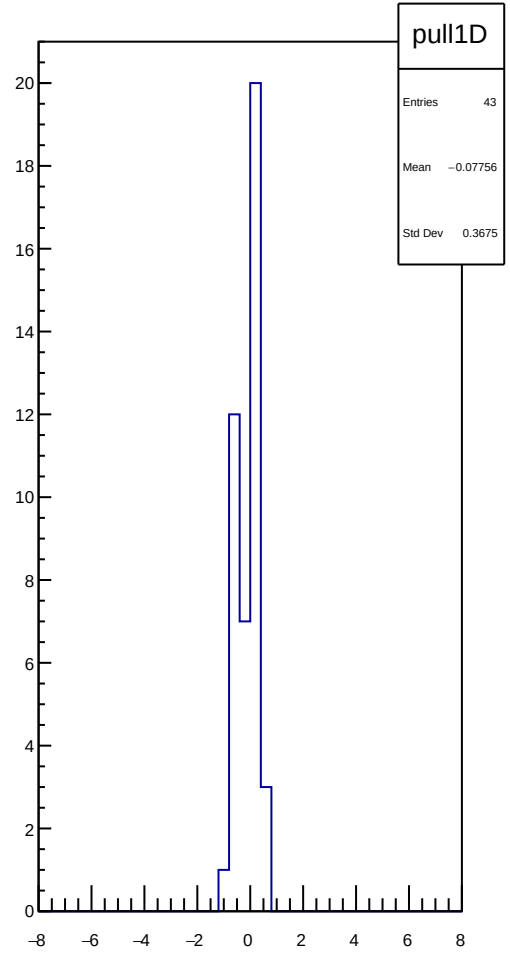

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.043 / 42
p0 −45.09 ± 1.134
pull
Entries 43
Mean −212.6
Std Dev 208.4
pull1D
Entries 43
Mean −0.0004561
Std Dev 0.218

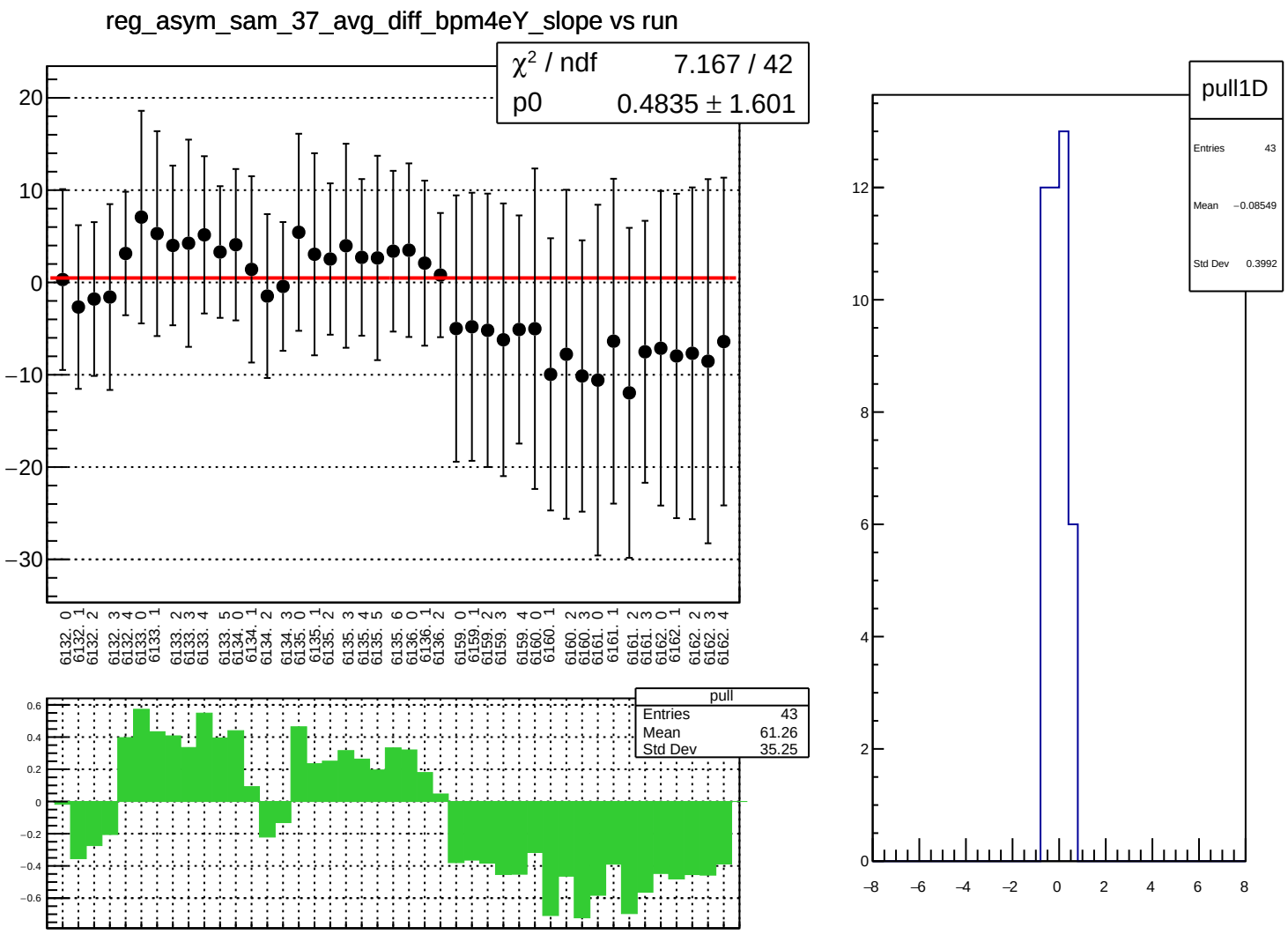

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 1.564 / 42
p0 0.03131 ± 0.08089
pull
Entries 43
Mean −131.6
Std Dev 158.7
pull1D
Entries 43
Mean 0.007761
Std Dev 0.1906

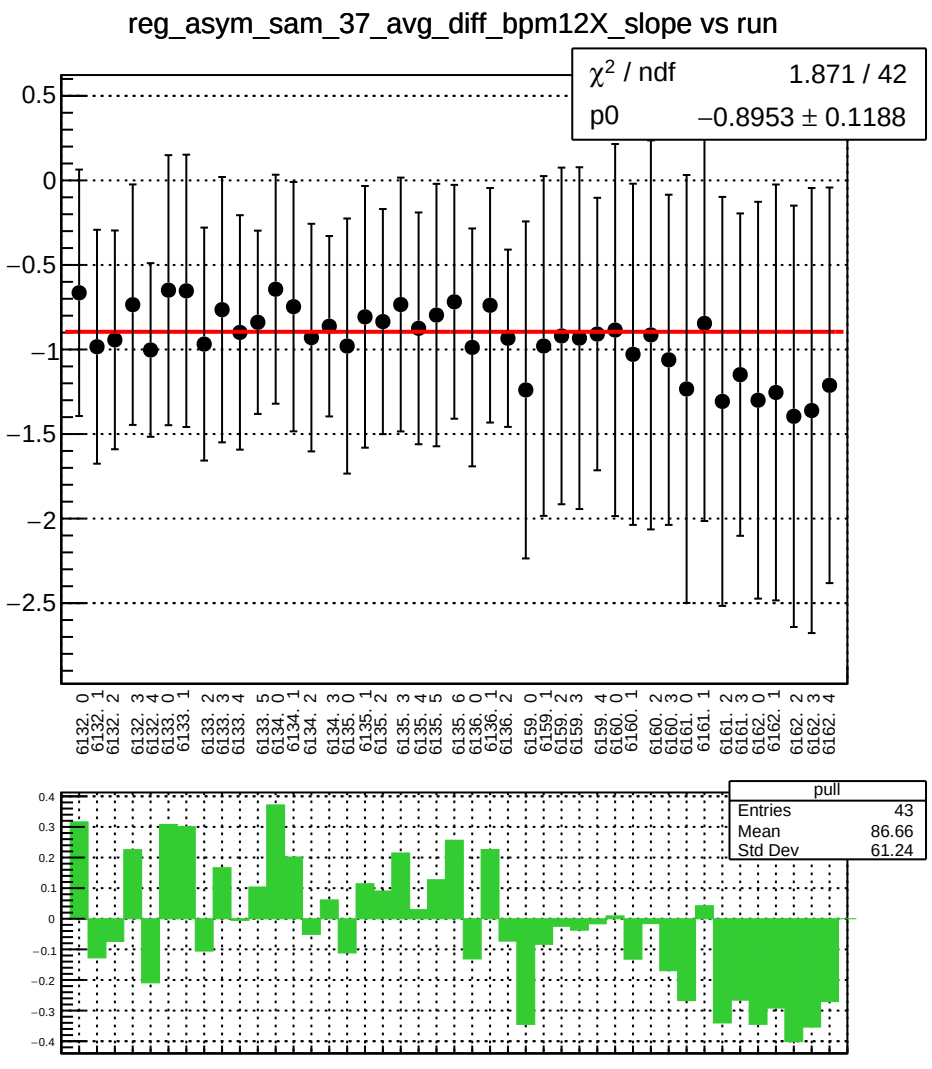

reg_asym_sam_37_avg_diff_bpm4aX_slope vs run
χ² / ndf 5.192 / 42
p0 −15.18 ± 2.303
pull
Entries 43
Mean 67.36
Std Dev 43.41
pull1D
Entries 43
Mean 0.06977
Std Dev 0.3404

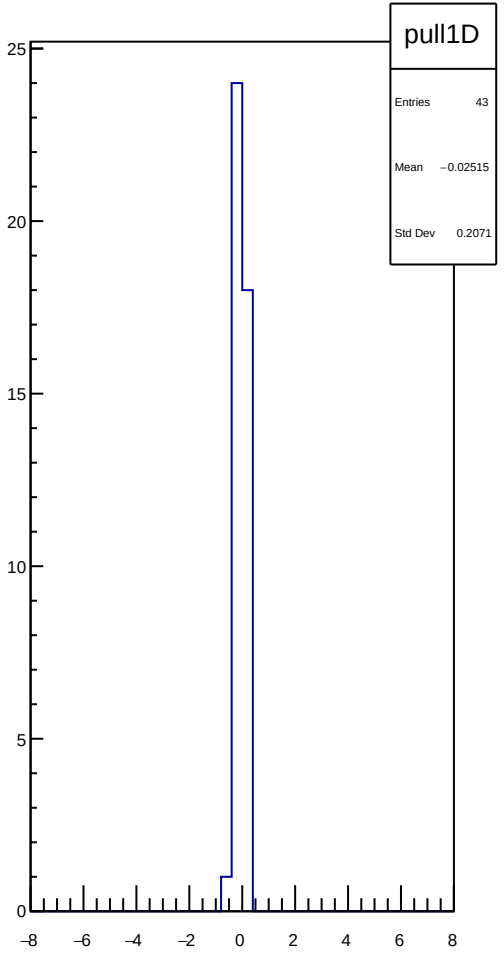

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.839 / 42
p0 6.698 ± 1.509
30
20
10
0
−10
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 63.12
Std Dev 37.07
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 43
Mean 0.05829
Std Dev 0.2931
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

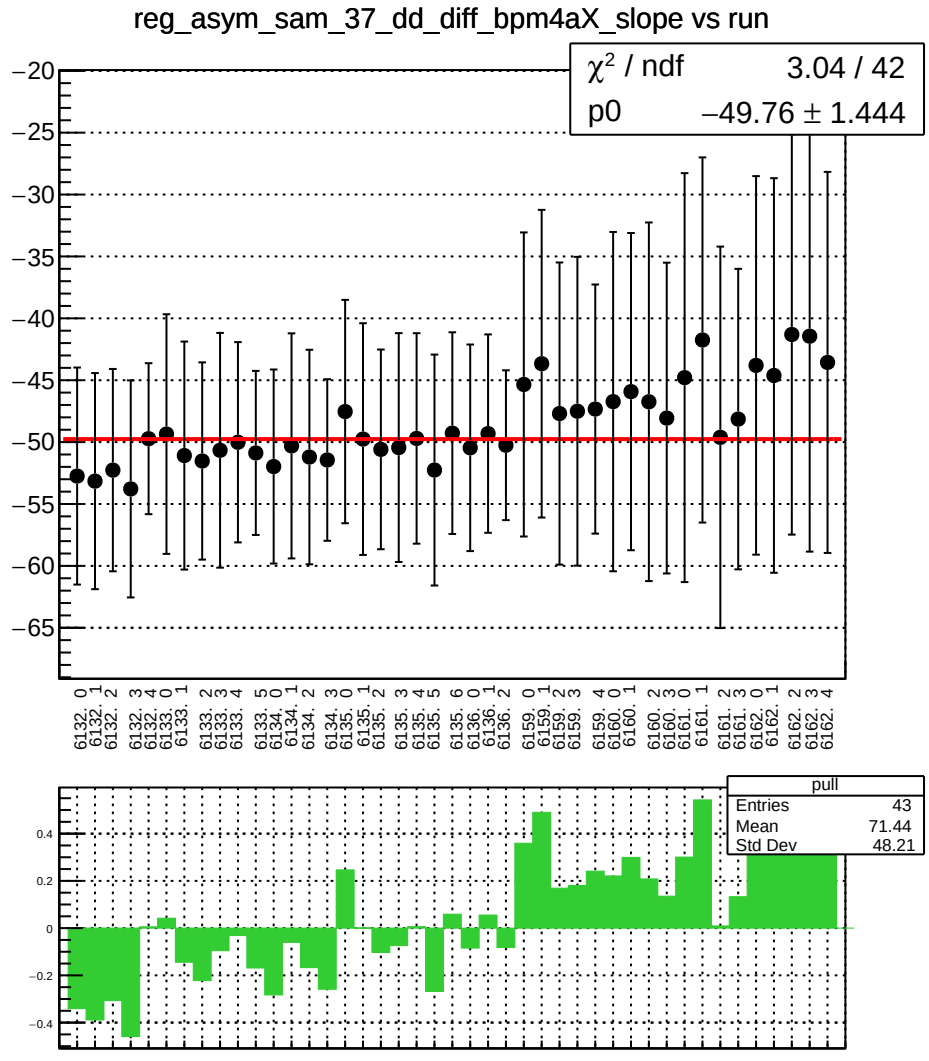

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.067 / 42
p0 −59.59 ± 2.68
pull
Entries 43
Mean 65.43
Std Dev 41.08

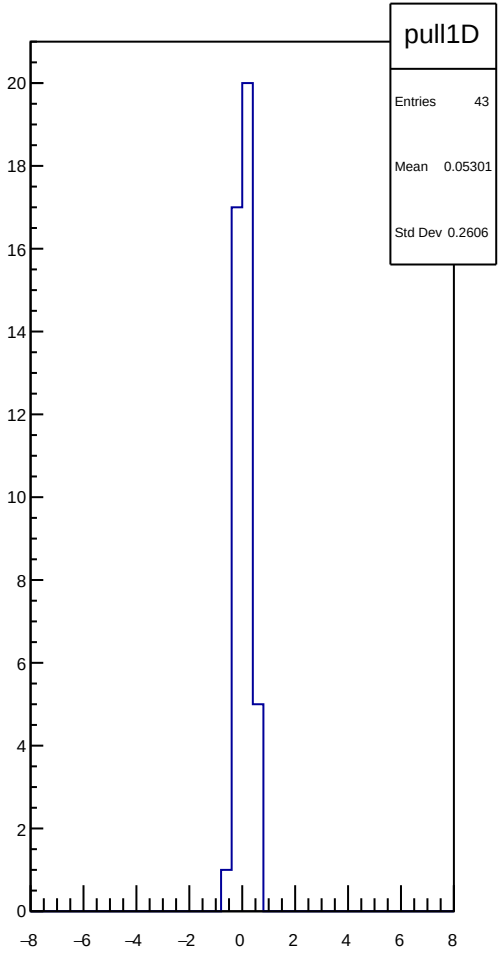

pull1D
Entries 43
Mean −0.07756
Std Dev 0.3675

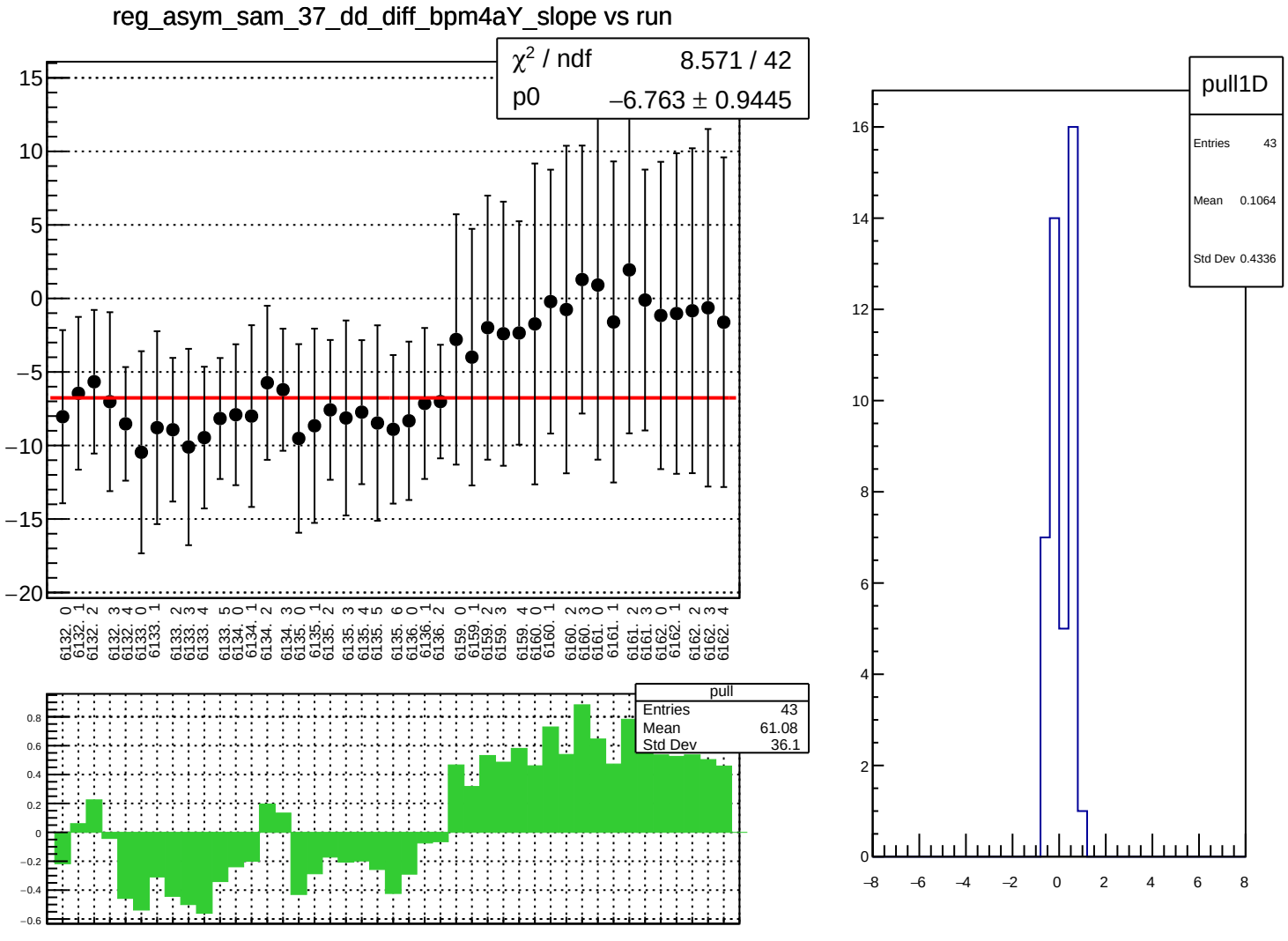

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.167 / 42
p0 0.4835 ± 1.601
20
10
0
−10
−20
−30
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 61.26
Std Dev 35.25
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 43
Mean −0.08549
Std Dev 0.3992
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

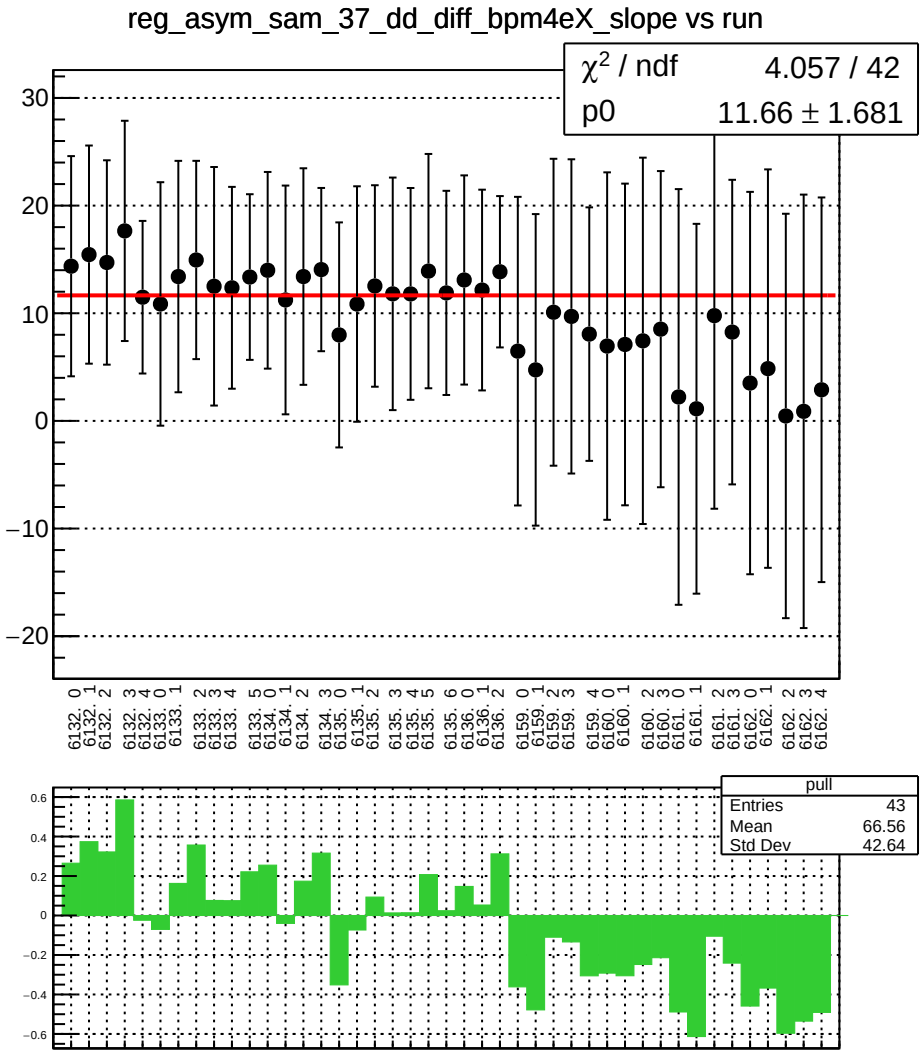

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 1.871 / 42
p0 −0.8953 ± 0.1188
pull
Entries 43
Mean 86.66
Std Dev 61.24

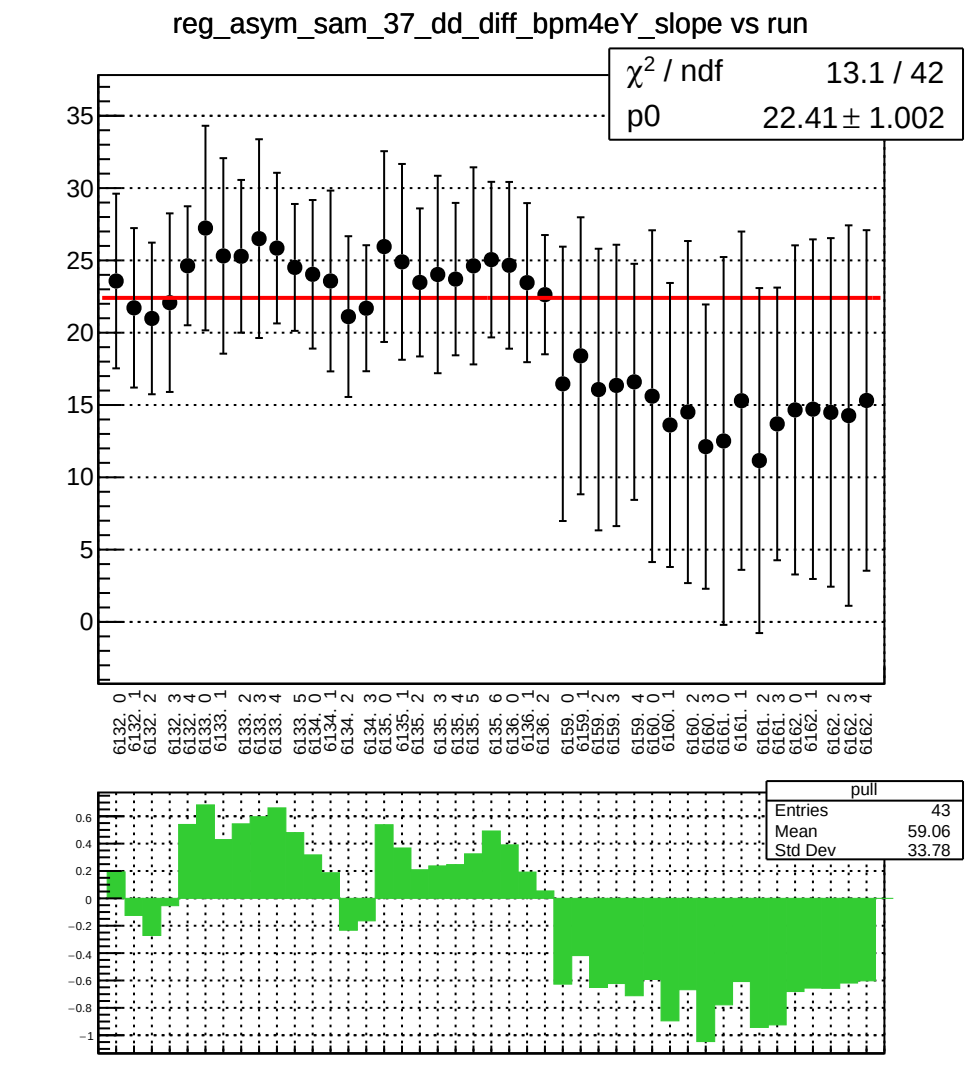

pull1D
Entries 43
Mean −0.02515
Std Dev 0.2071

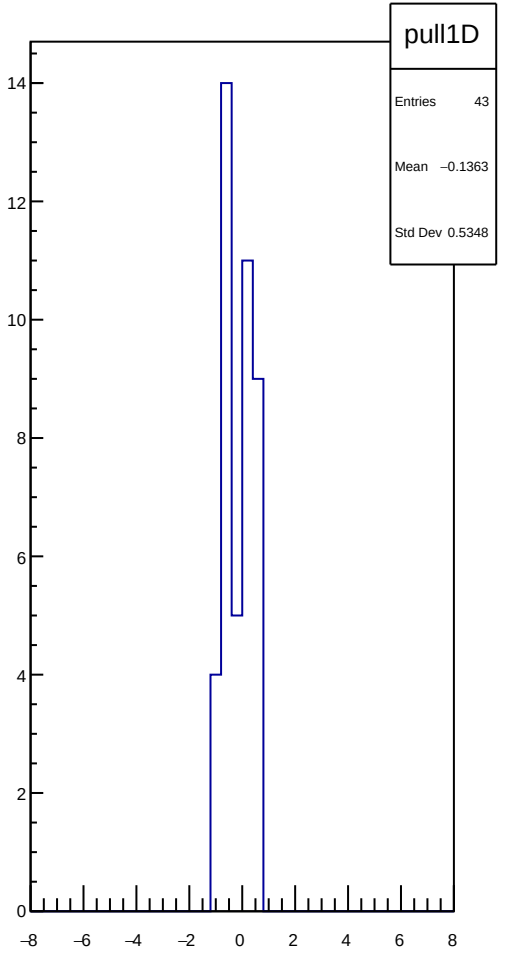

reg_asym_sam_37_dd_diff_bpm4aX_slope vs run
χ² / ndf 3.04 / 42
p0 −49.76 ± 1.444
pull
Entries 43
Mean 71.44
Std Dev 48.21

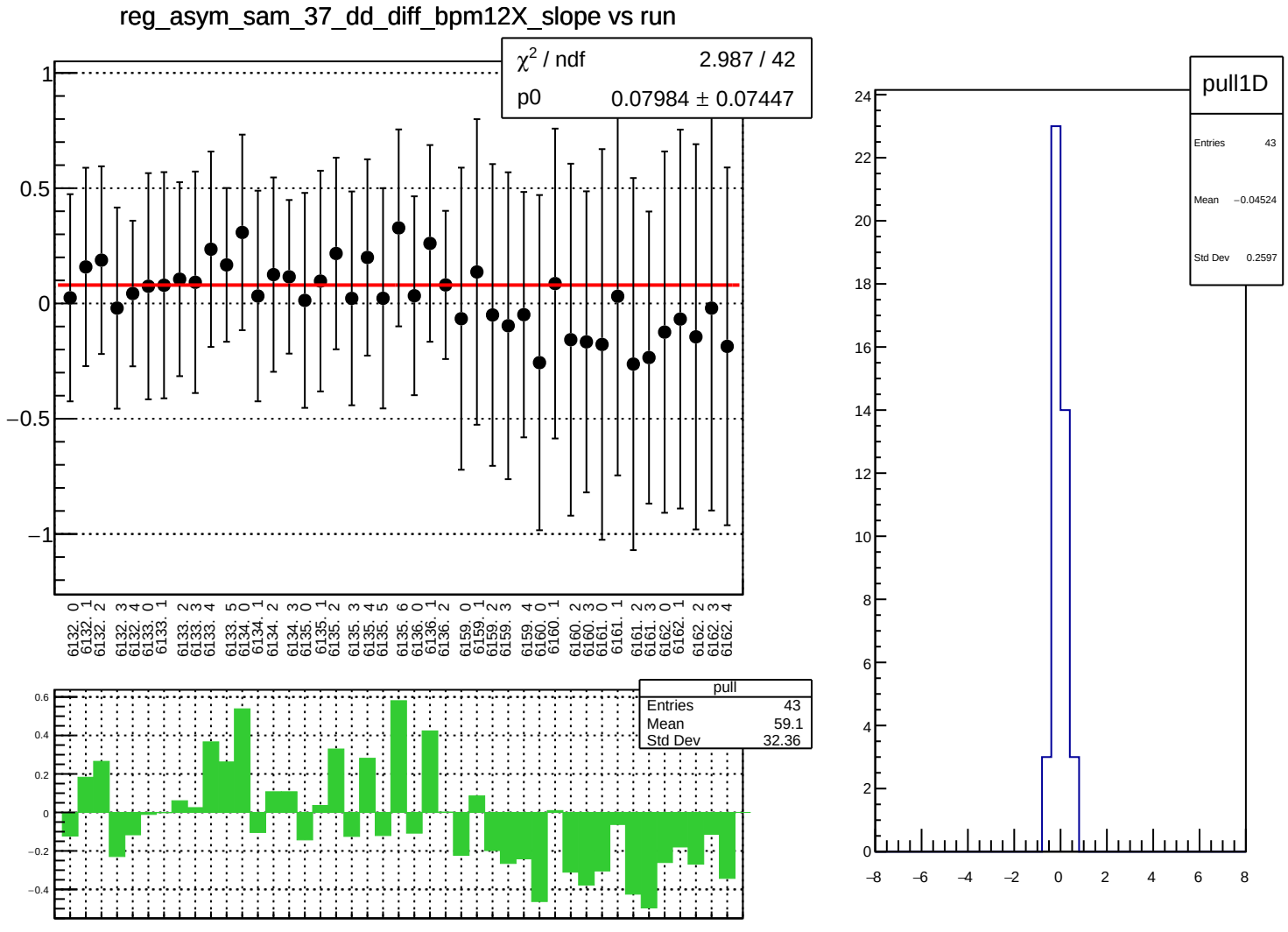

pull1D
Entries 43
Mean 0.05301
Std Dev 0.2606

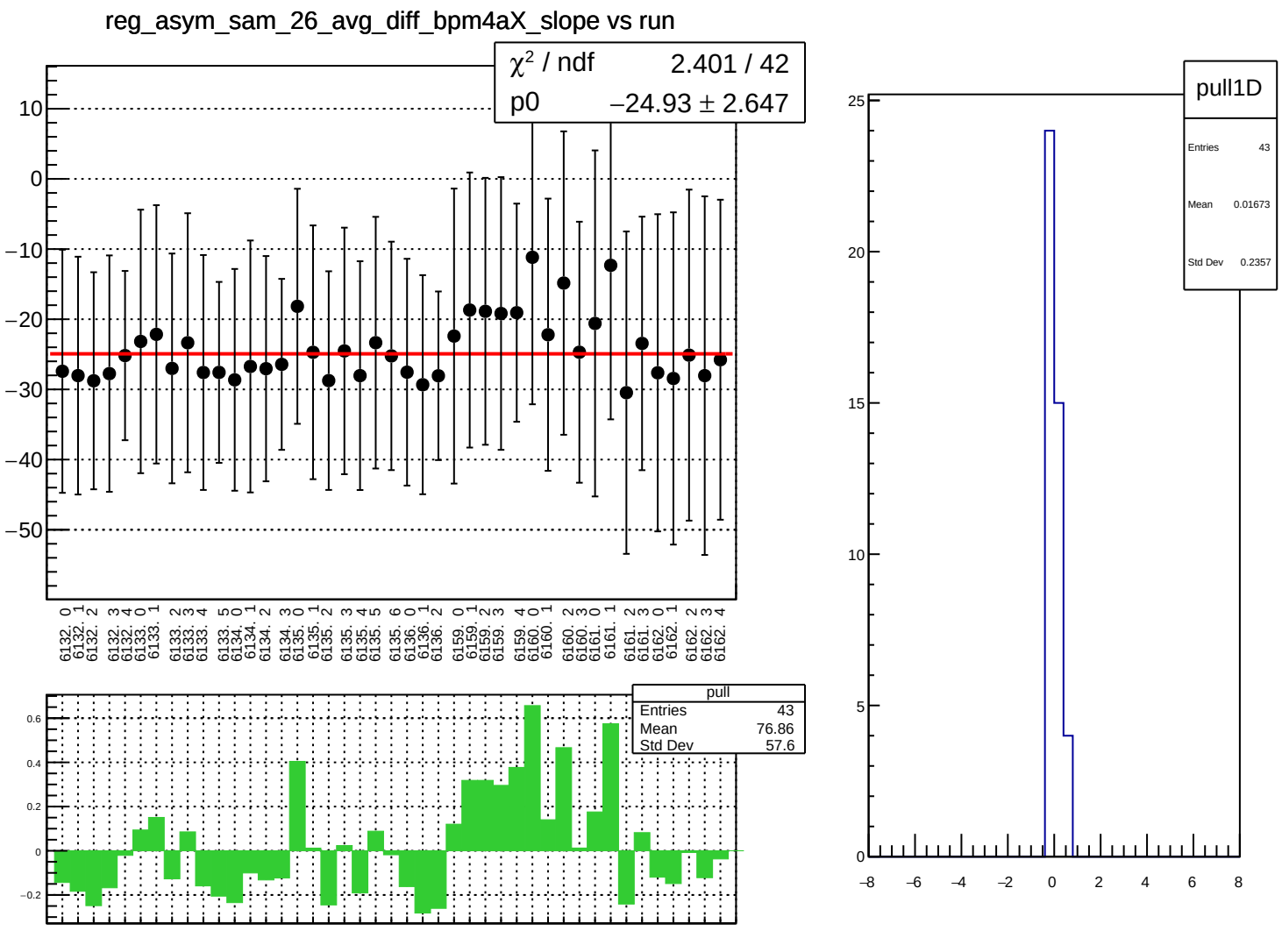

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.571 / 42
p0 −6.763 ± 0.9445
pull
Entries 43
Mean 61.08
Std Dev 36.1
pull1D
Entries 43
Mean 0.1064
Std Dev 0.4336

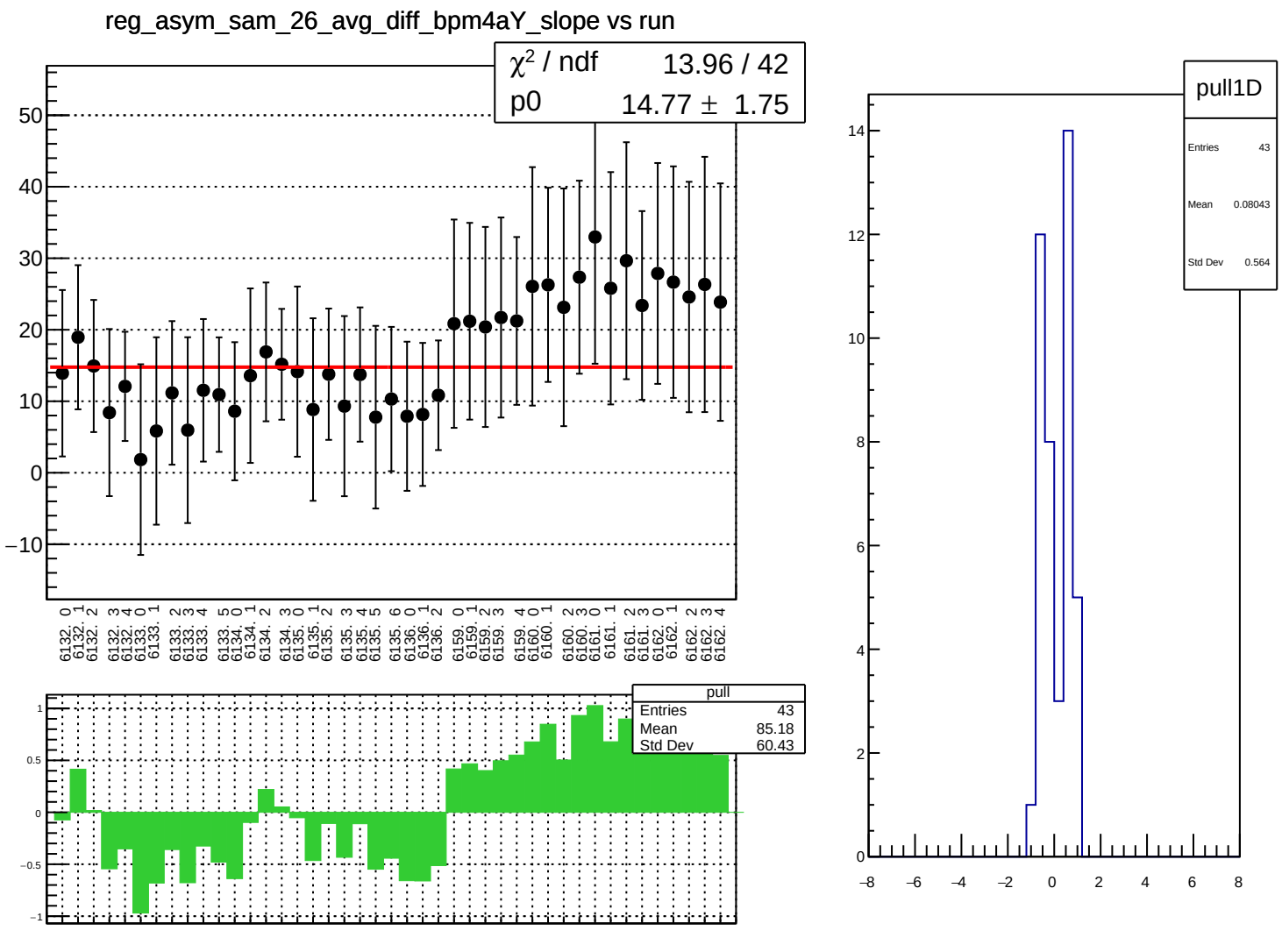

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.057 / 42
p0 11.66 ± 1.681
30
20
10
0
−10
−20
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 66.56
Std Dev 42.64
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 43
Mean −0.06641
Std Dev 0.2999
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

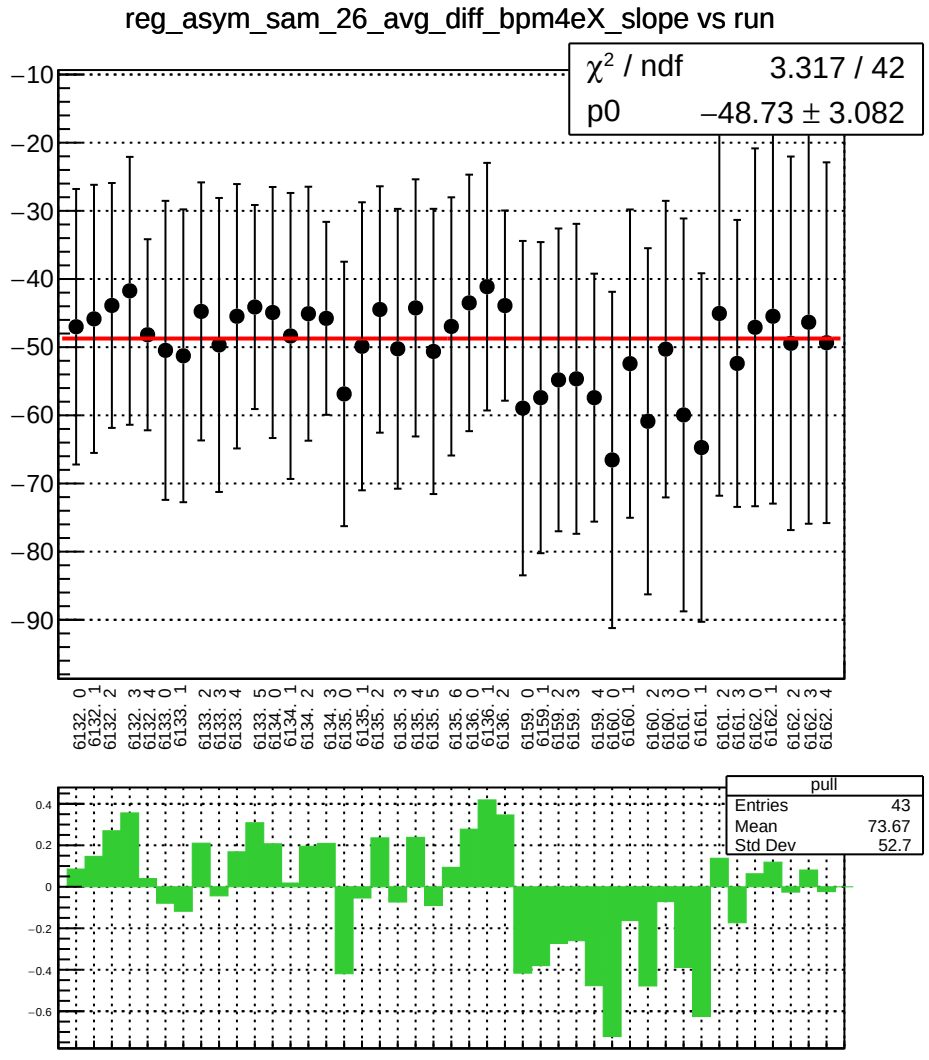

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 13.1 / 42
p0 22.41 ± 1.002
pull
Entries 43
Mean 59.06
Std Dev 33.78

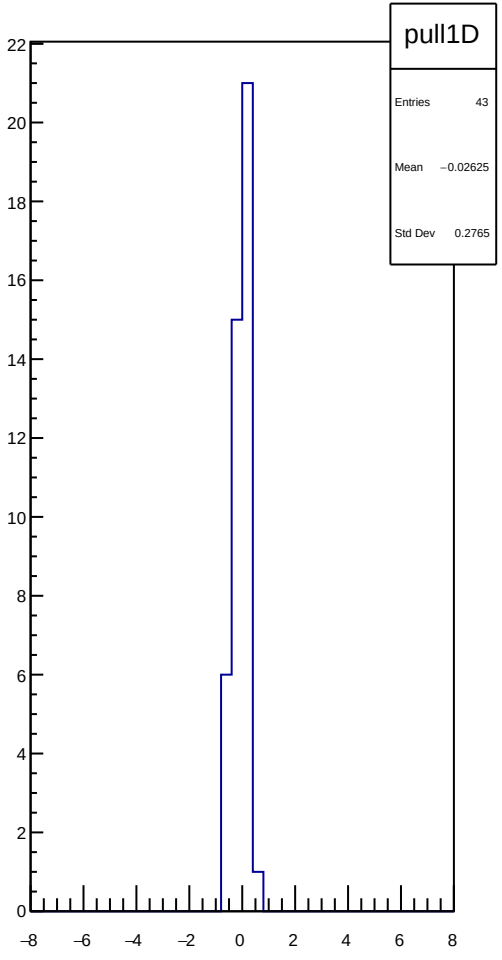

pull1D
Entries 43
Mean −0.1363
Std Dev 0.5348

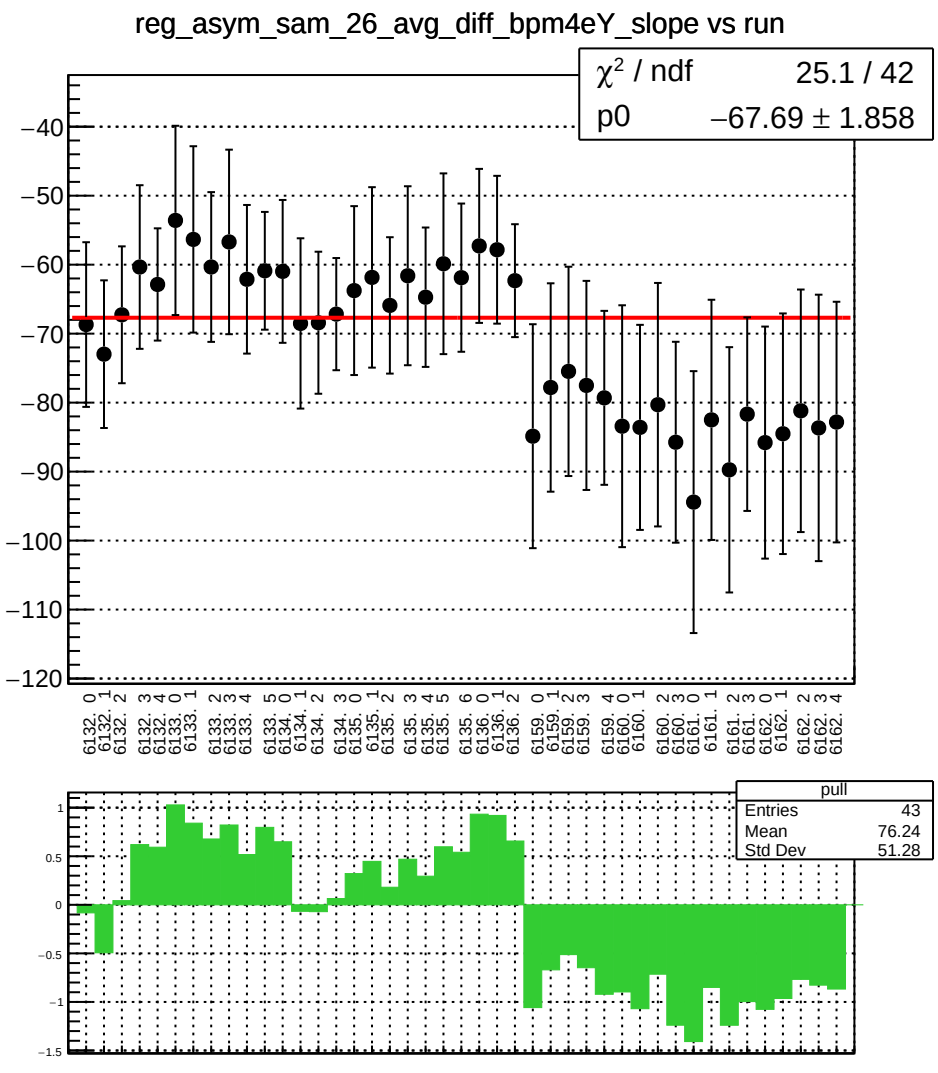

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 2.987 / 42
p0 0.07984 ± 0.07447
pull
Entries 43
Mean 59.1
Std Dev 32.36
pull1D
Entries 43
Mean −0.04524
Std Dev 0.2597

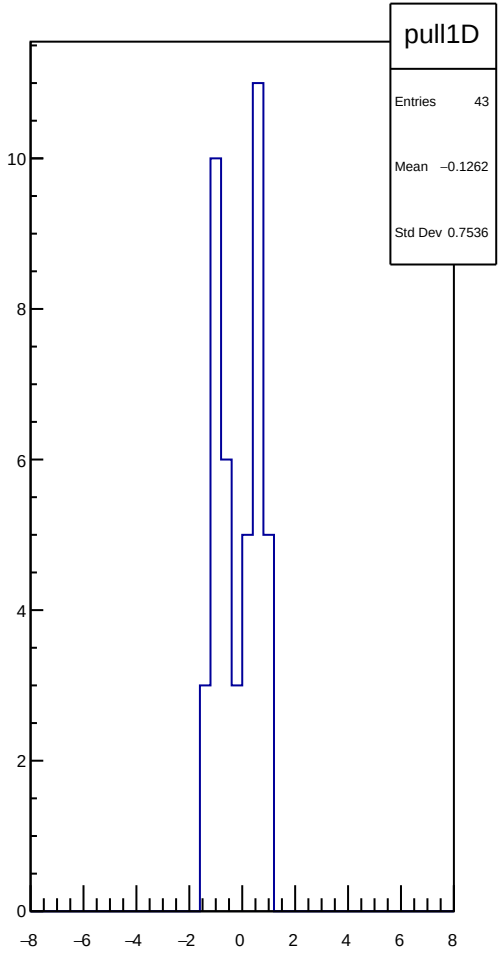

reg_asym_sam_26_avg_diff_bpm4aX_slope vs run
χ² / ndf 2.401 / 42
p0 −24.93 ± 2.647
pull
Entries 43
Mean 76.86
Std Dev 57.6
pull1D
Entries 43
Mean 0.01673
Std Dev 0.2357

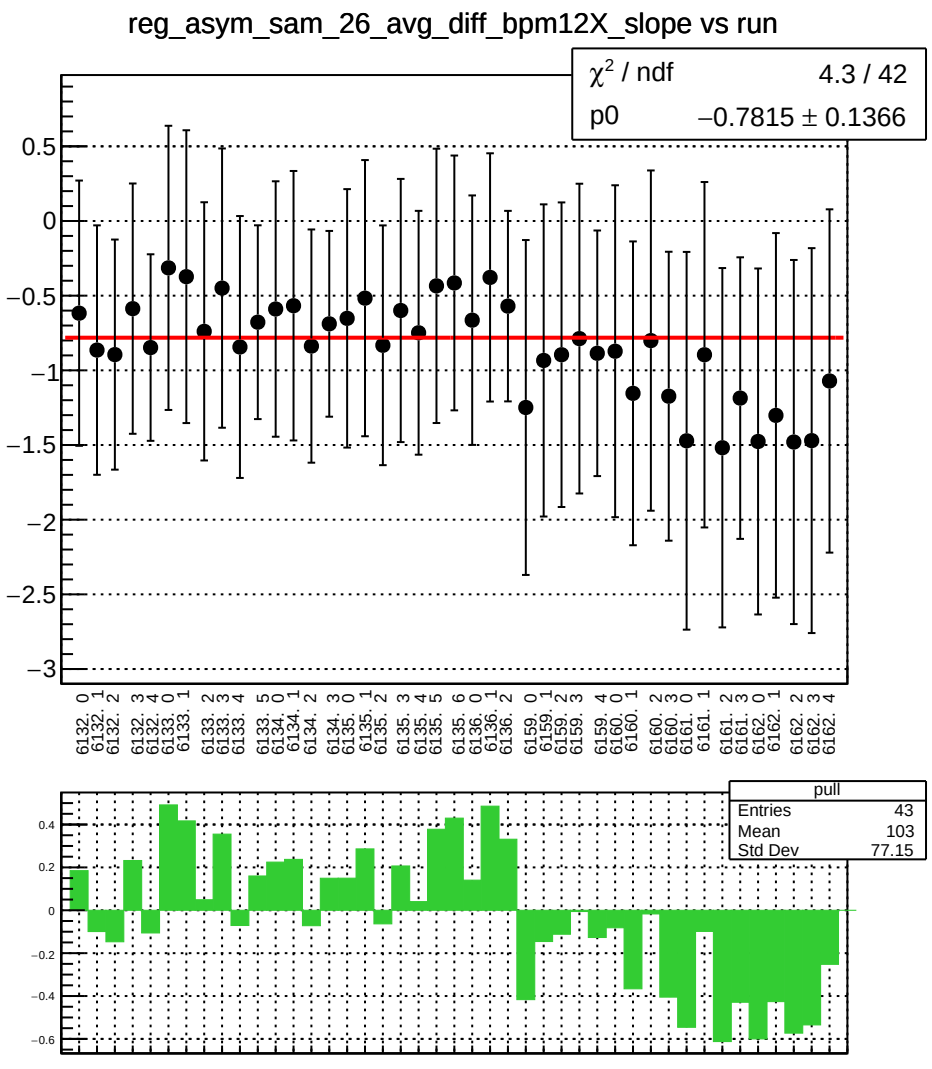

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.96 / 42
p0 14.77 ± 1.75
pull
Entries 43
Mean 85.18
Std Dev 60.43
pull1D
Entries 43
Mean 0.08043
Std Dev 0.564

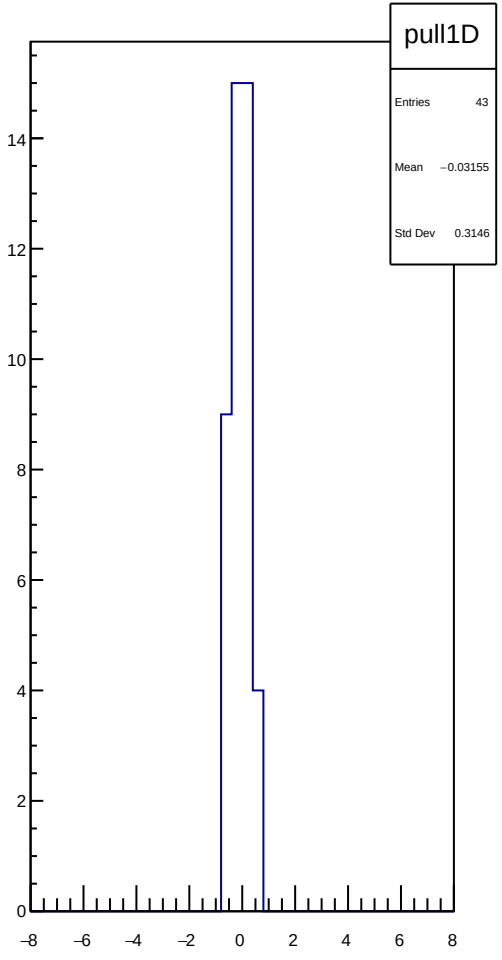

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.317 / 42
p0 −48.73 ± 3.082
pull
Entries 43
Mean 73.67
Std Dev 52.7

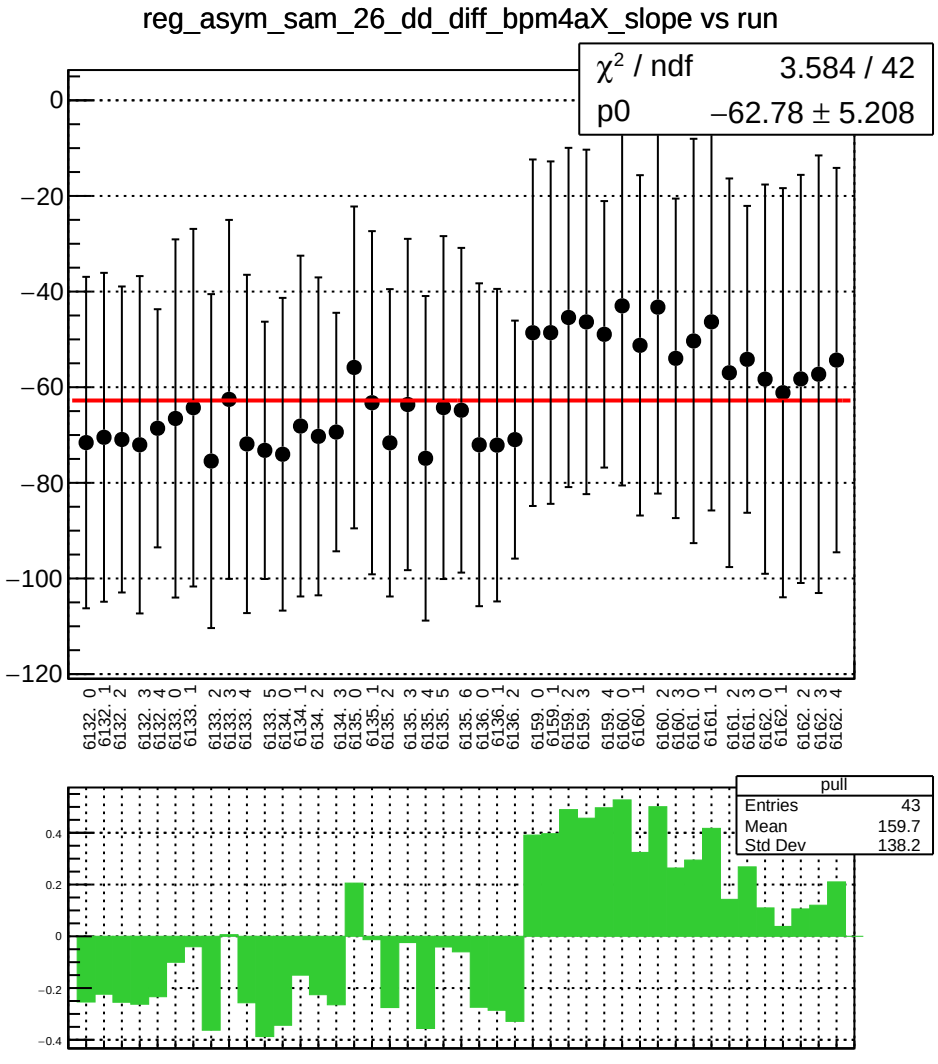

pull1D
Entries 43
Mean −0.02625
Std Dev 0.2765

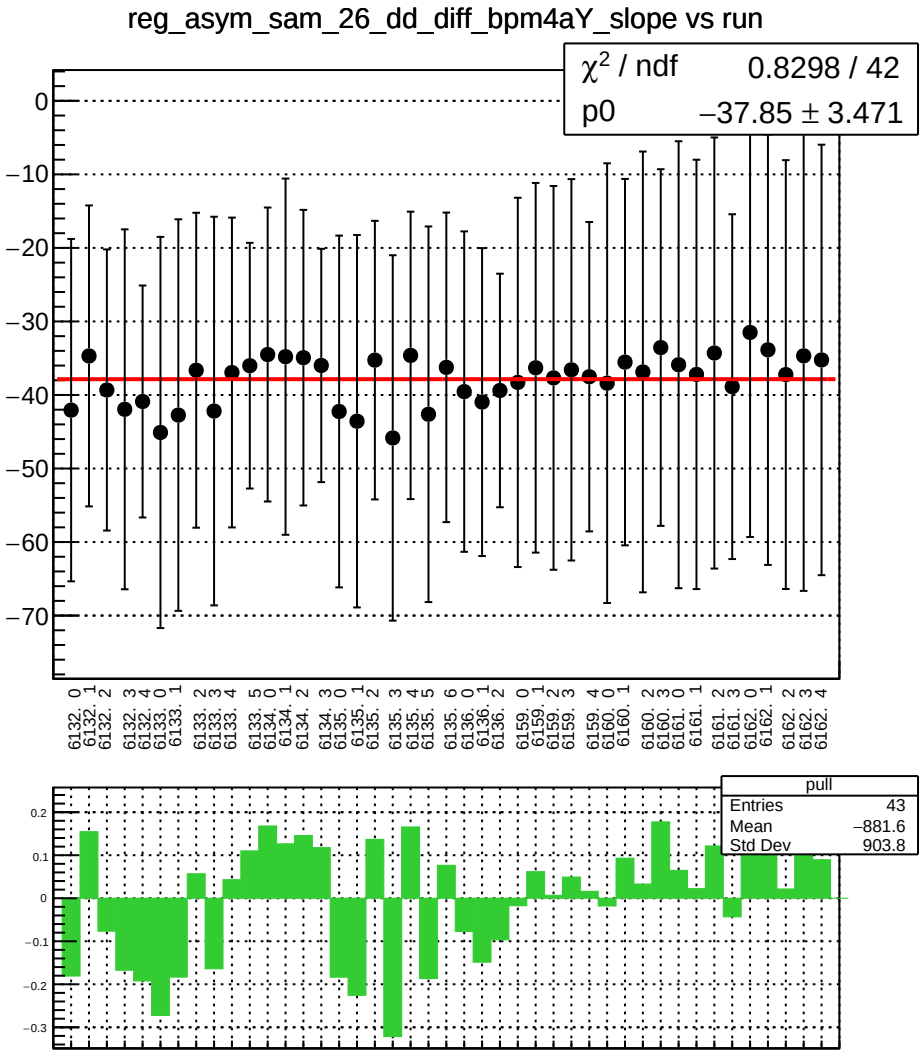

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 25.1 / 42
p0 −67.69 ± 1.858
pull
Entries 43
Mean 76.24
Std Dev 51.28

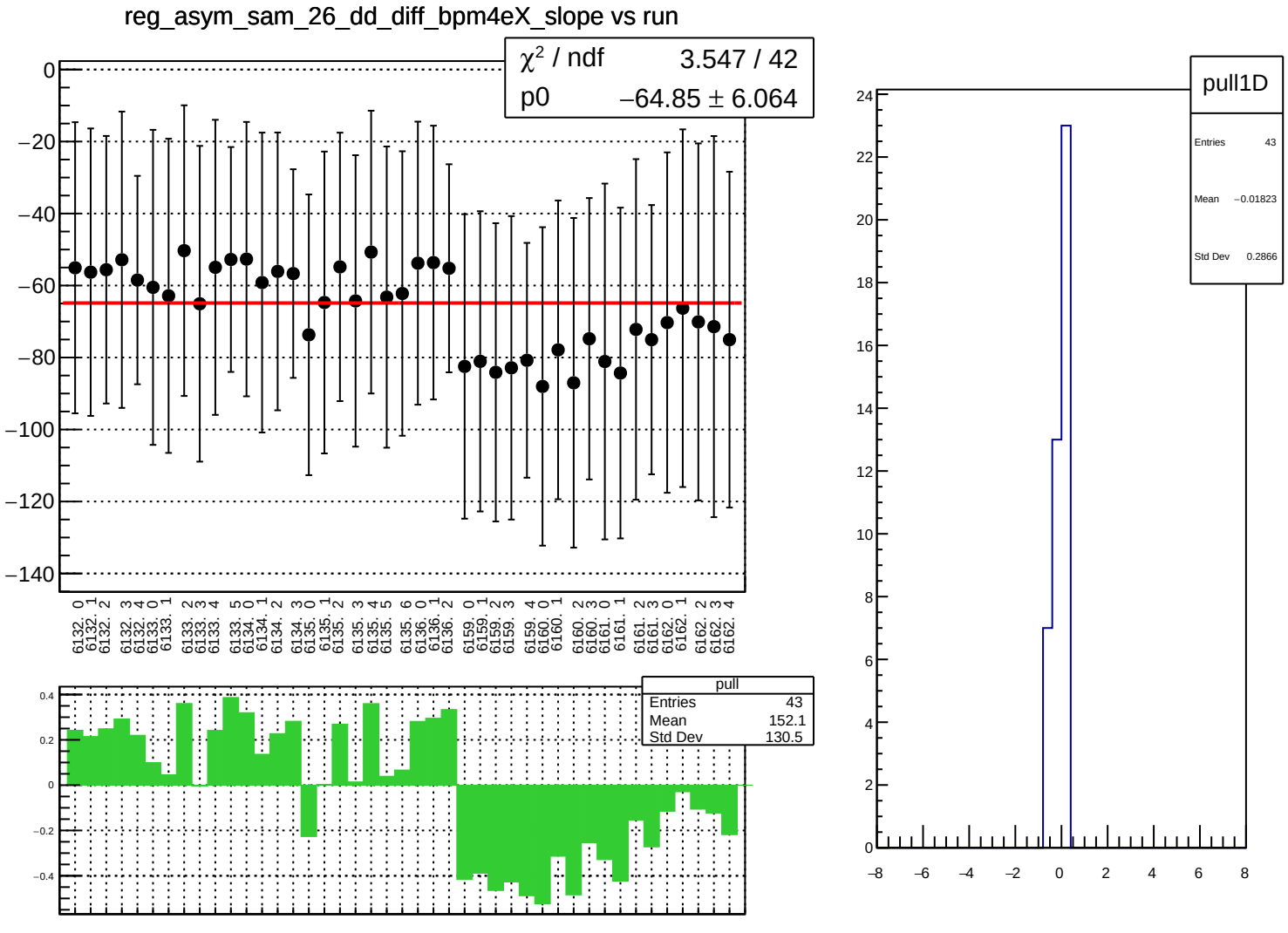

pull1D
Entries 43
Mean −0.1262
Std Dev 0.7536

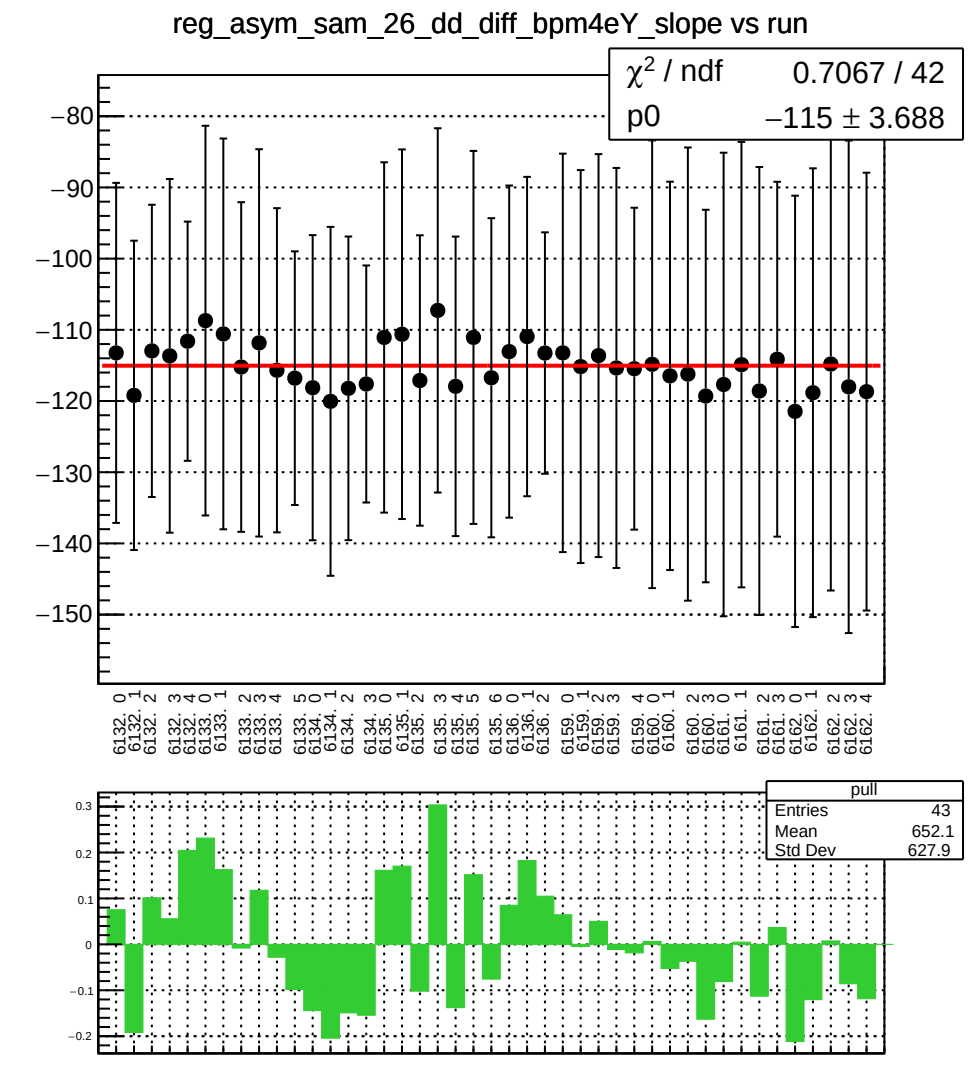

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 4.3 / 42
p0 −0.7815 ± 0.1366
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 103
Std Dev 77.15
0.4
0.2
0
−0.2
−0.4
−0.6

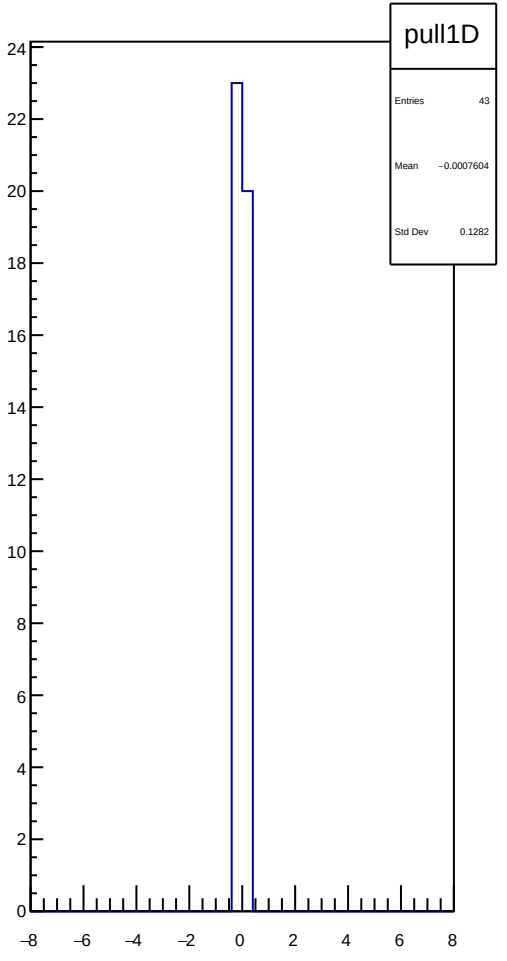

pull1D
Entries 43
Mean −0.03155
Std Dev 0.3146
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

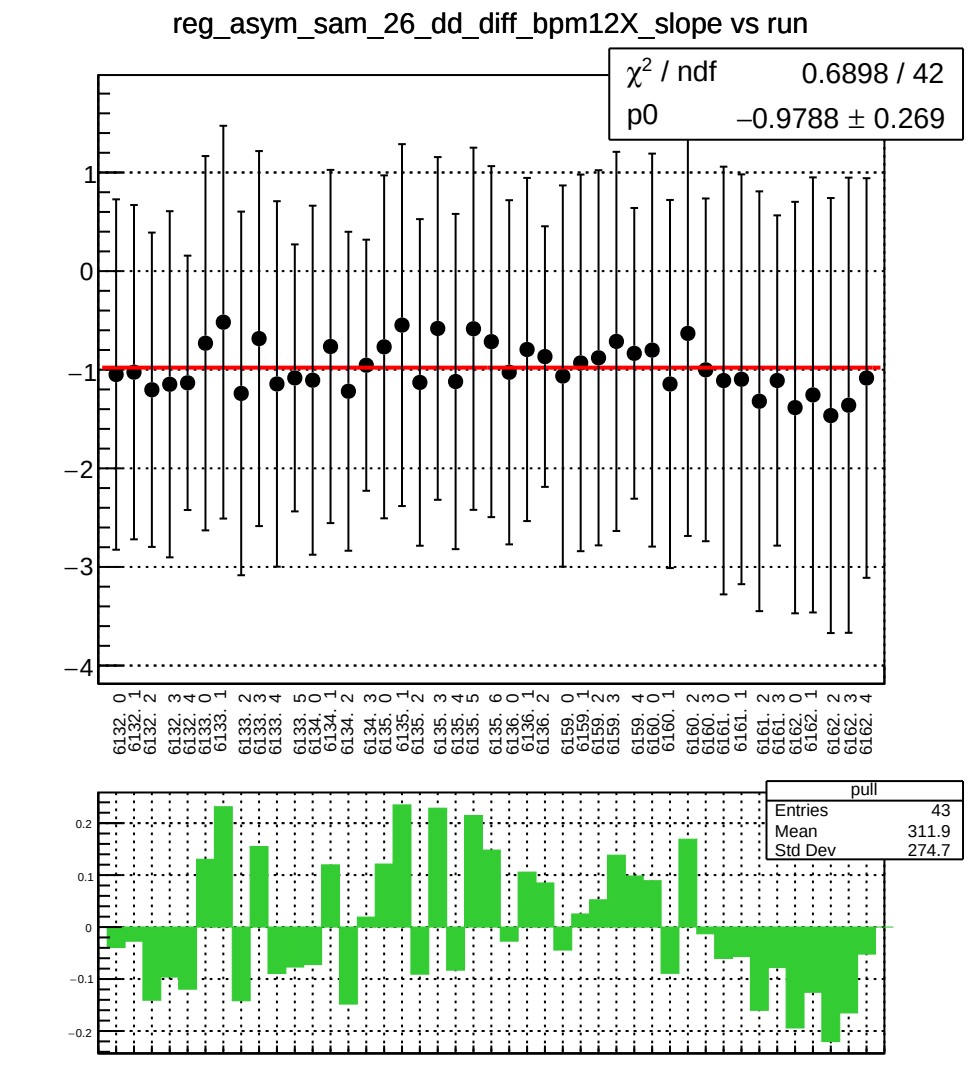

reg_asym_sam_26_dd_diff_bpm4aX_slope vs run
χ² / ndf 3.584 / 42
p0 −62.78 ± 5.208
pull
Entries 43
Mean 159.7
Std Dev 138.2
pull1D
Entries 43
Mean 0.01734
Std Dev 0.2882

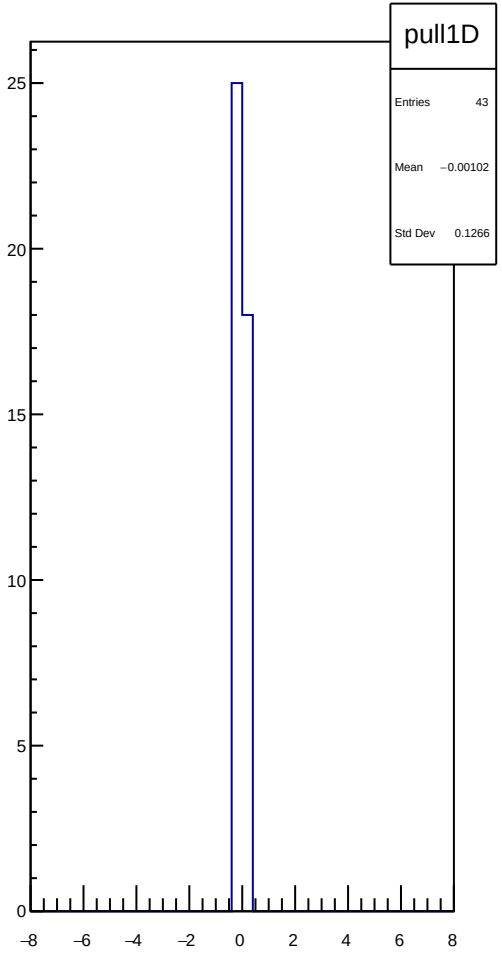

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.8298 / 42
p0 −37.85 ± 3.471
0
−10
−20
−30
−40
−50
−60
−70
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −881.6
Std Dev 903.8
0.2
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 43
Mean −0.0007496
Std Dev 0.1389
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

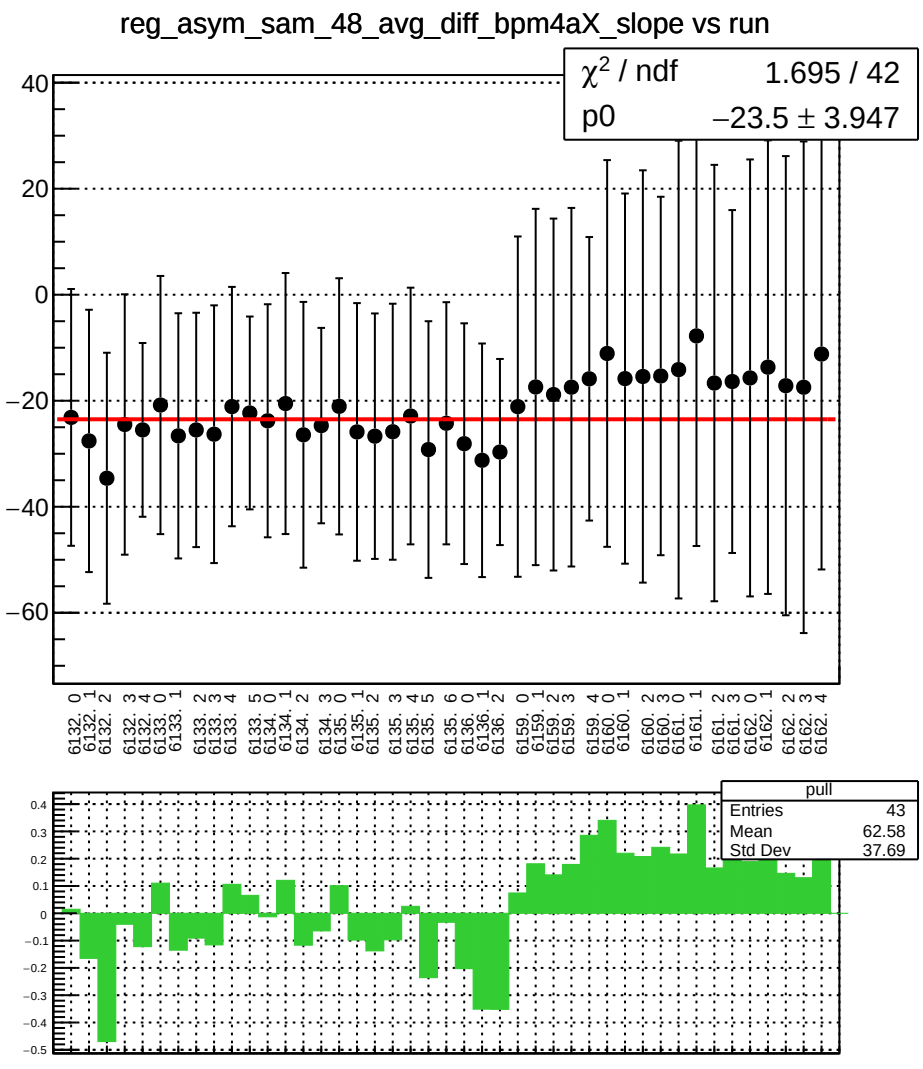

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.547 / 42
p0 −64.85 ± 6.064
0
−20
−40
−60
−80
−100
−120
−140
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 152.1
Std Dev 130.5
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 43
Mean −0.01823
Std Dev 0.2866
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

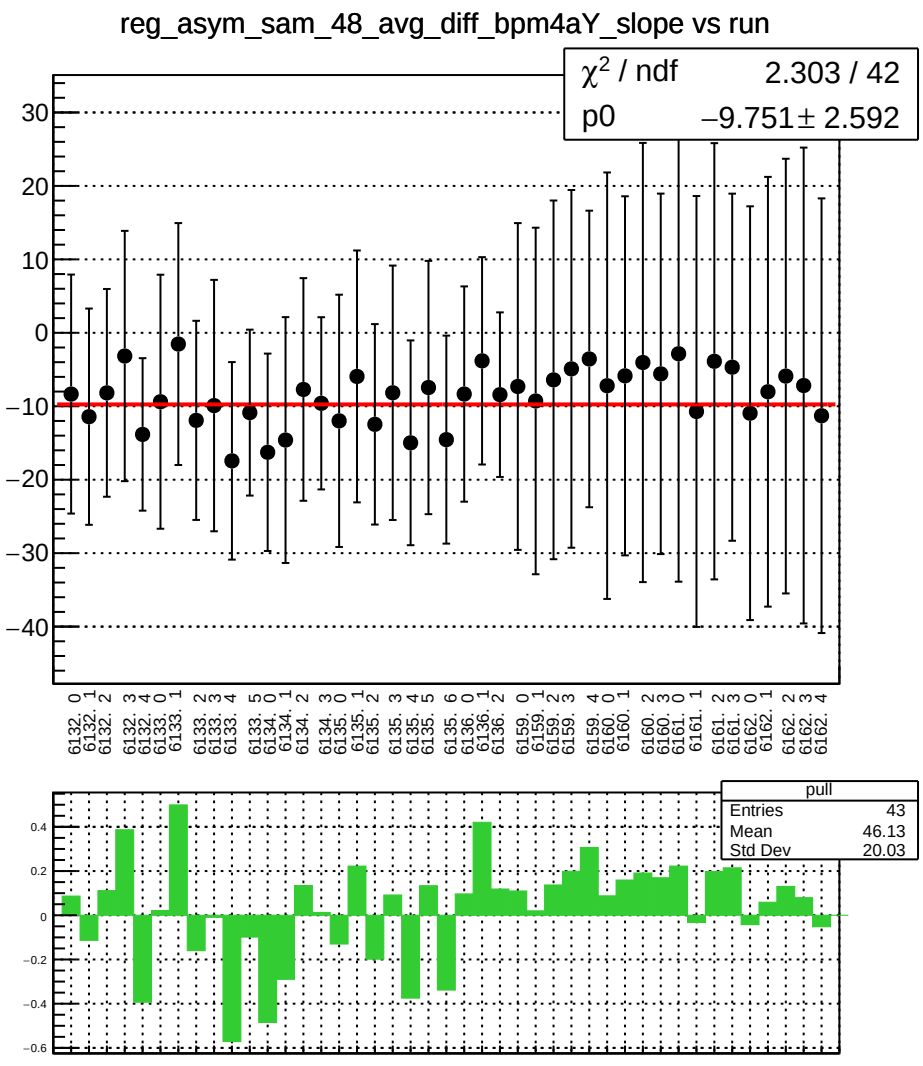

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 0.7067 / 42
p0 −115 ± 3.688
−80
−90
−100
−110
−120
−130
−140
−150
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 652.1
Std Dev 627.9
0.3
0.2
0.1
0
−0.1
−0.2

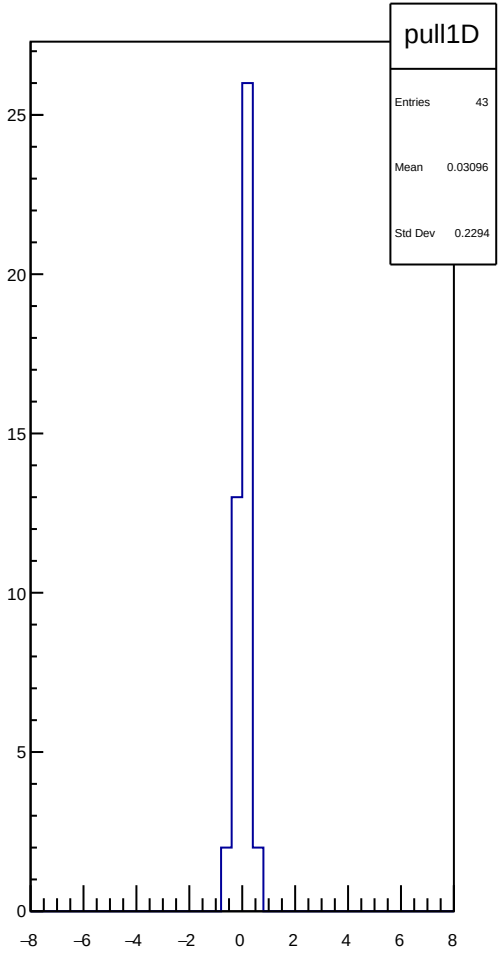

pull1D
Entries 43
Mean −0.0007604
Std Dev 0.1282
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

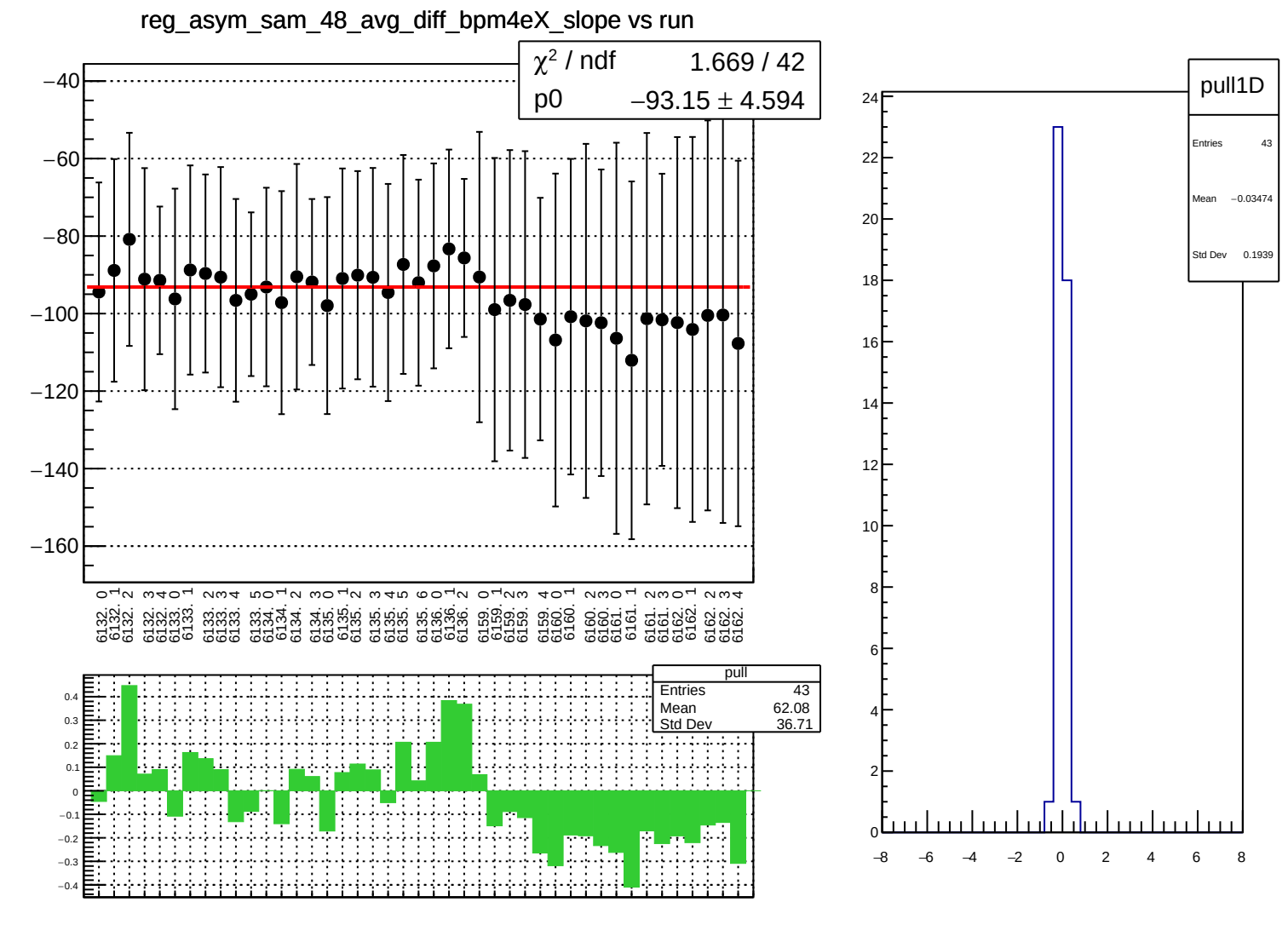

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 0.6898 / 42
p0 −0.9788 ± 0.269
pull
Entries 43
Mean 311.9
Std Dev 274.7

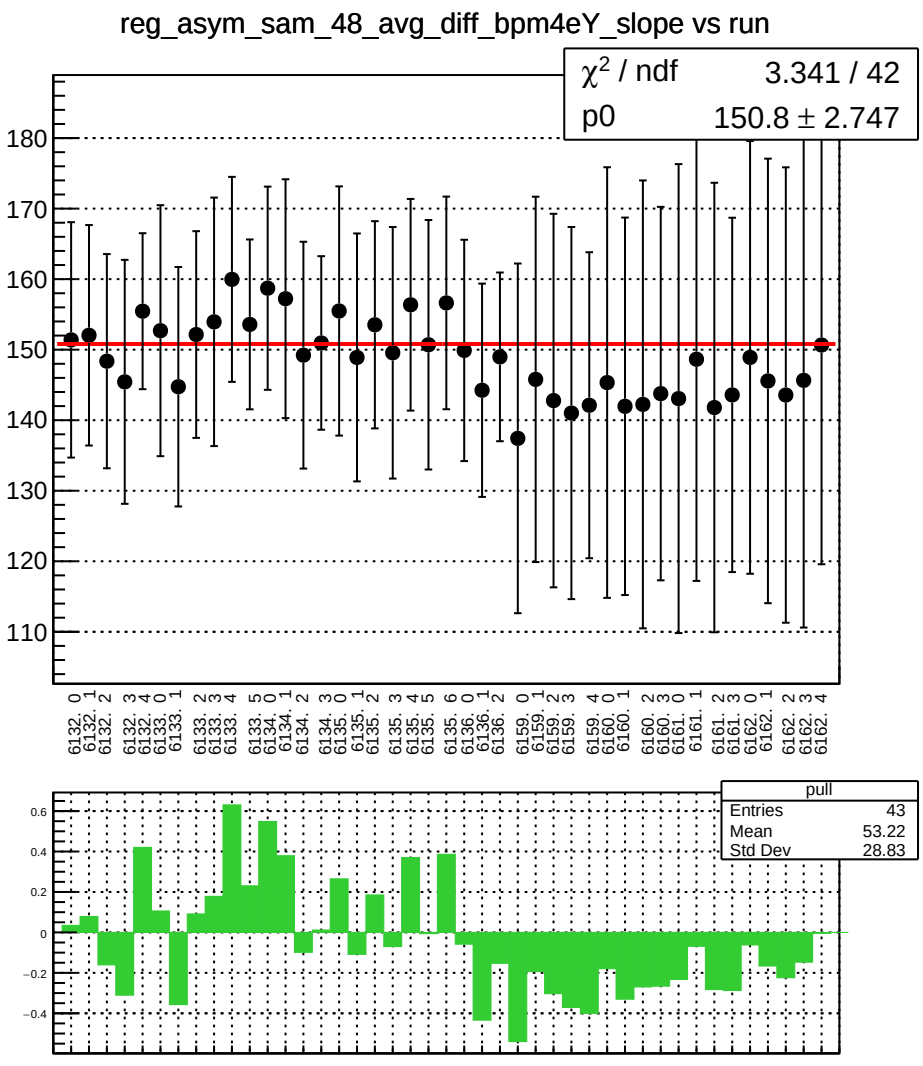

pull1D
Entries 43
Mean −0.00102
Std Dev 0.1266

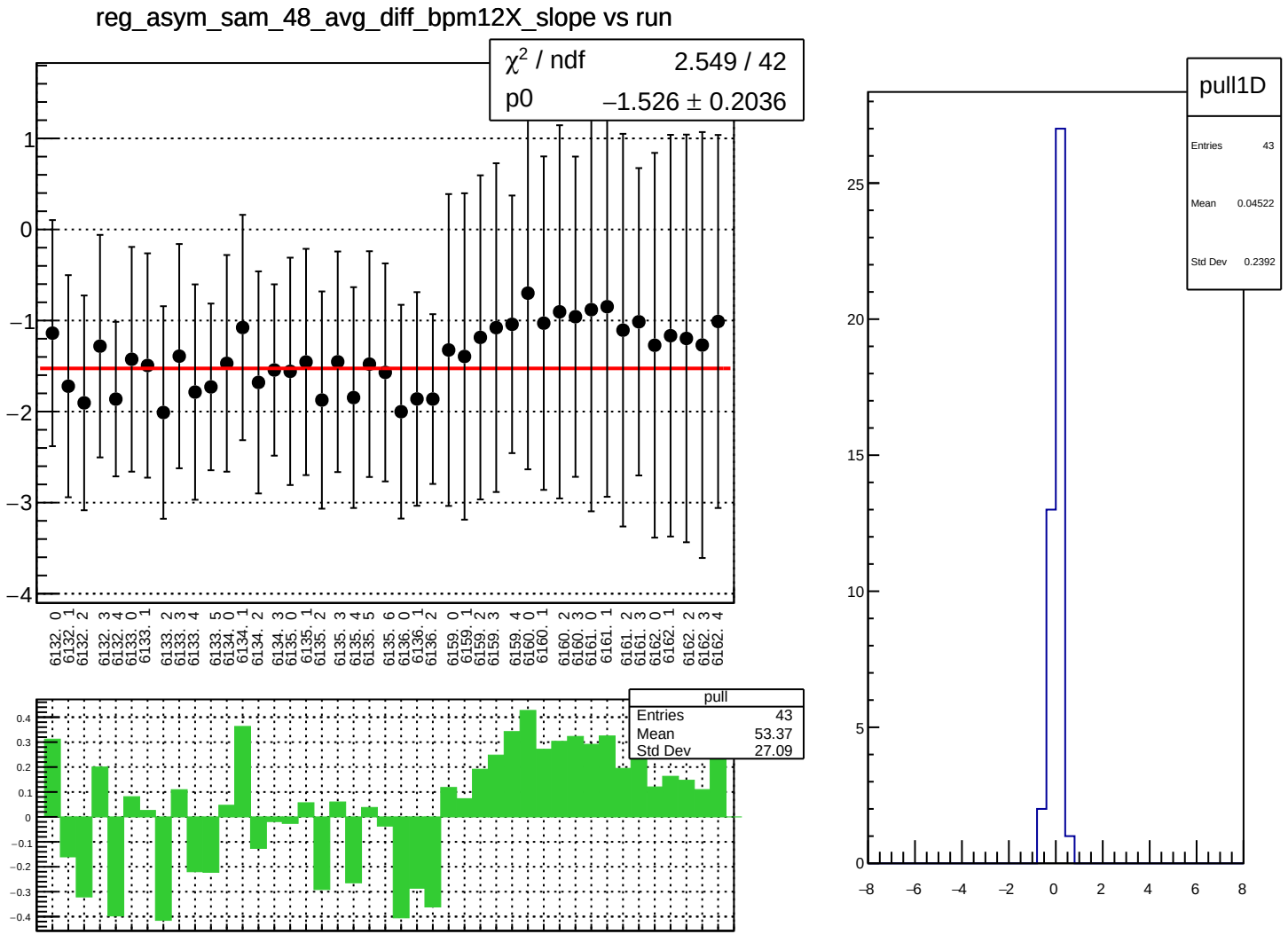

reg_asym_sam_48_avg_diff_bpm4aX_slope vs run
χ² / ndf 1.695 / 42
p0 −23.5 ± 3.947
40
20
0
−20
−40
−60
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 62.58
Std Dev 37.69
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
pull1D
Entries 43
Mean 0.0366
Std Dev 0.1952
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

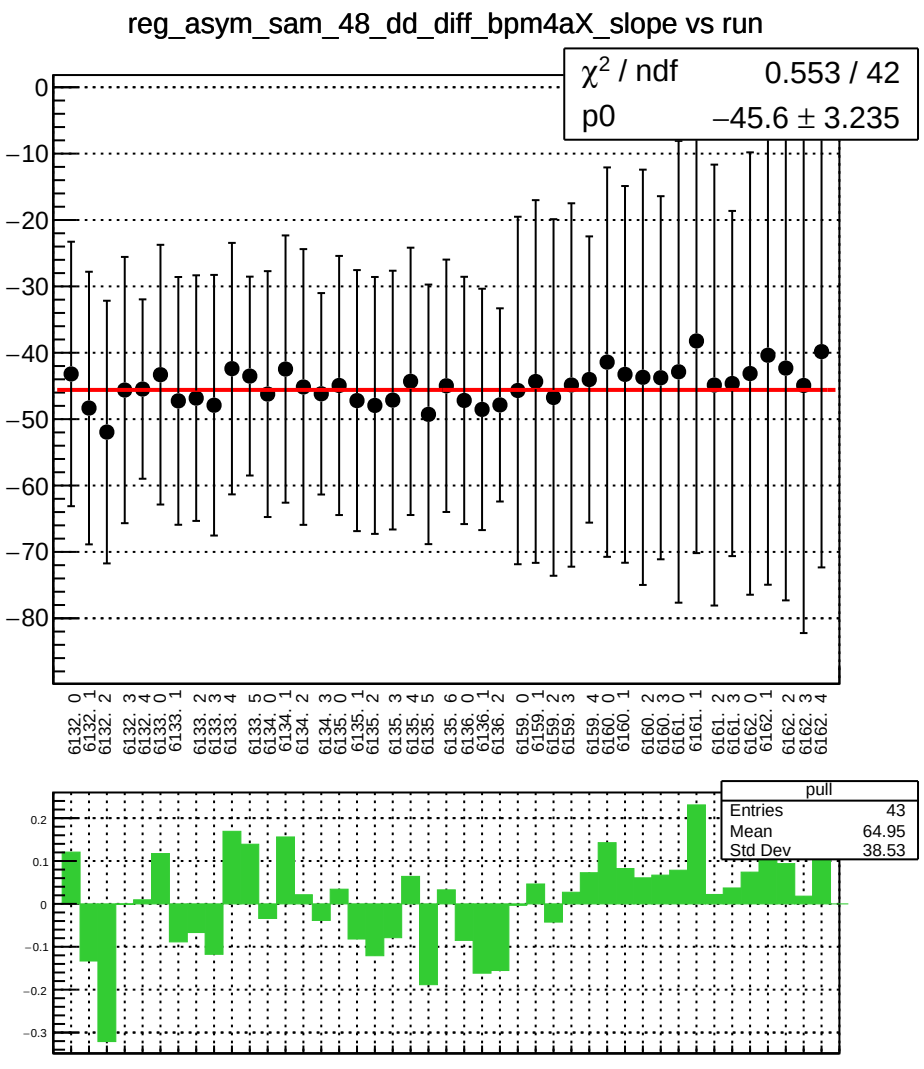

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.303 / 42
p0 −9.751 ± 2.592
pull
Entries 43
Mean 46.13
Std Dev 20.03

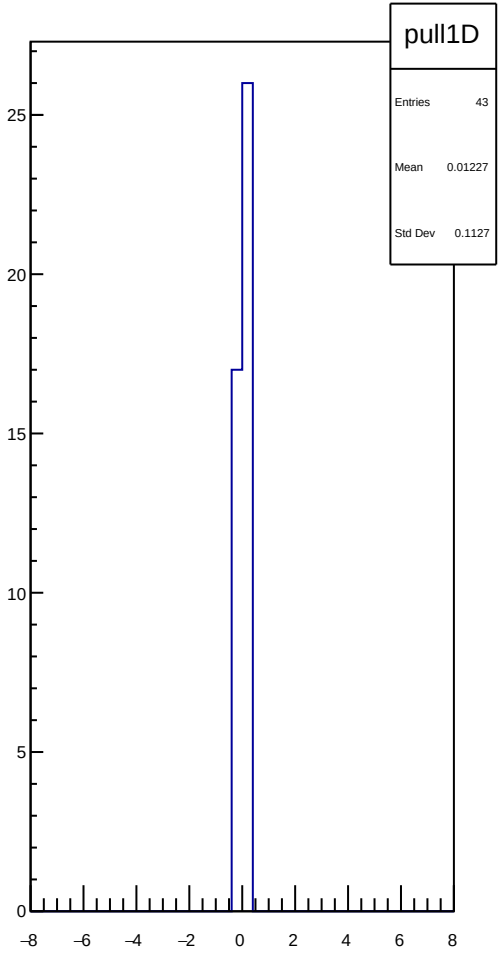

pull1D
Entries 43
Mean 0.03096
Std Dev 0.2294

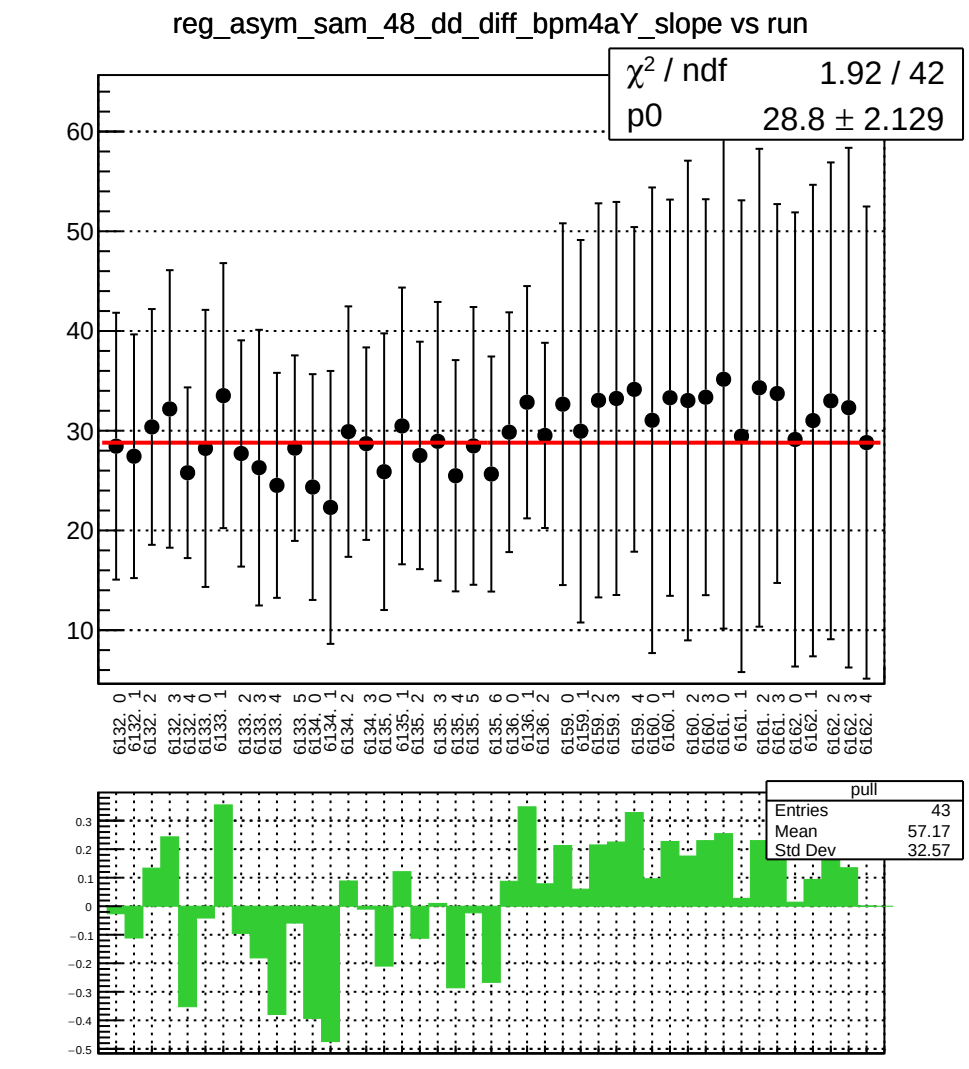

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.669 / 42
p0 −93.15 ± 4.594
pull
Entries 43
Mean 62.08
Std Dev 36.71
pull1D
Entries 43
Mean −0.03474
Std Dev 0.1939

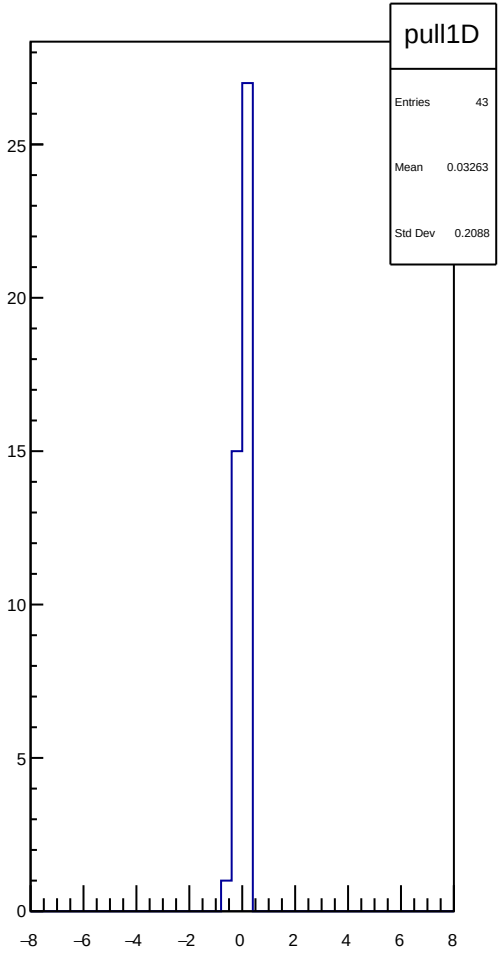

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.341 / 42
p0 150.8 ± 2.747
180
170
160
150
140
130
120
110
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 53.22
Std Dev 28.83
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 43
Mean −0.0504
Std Dev 0.2742
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

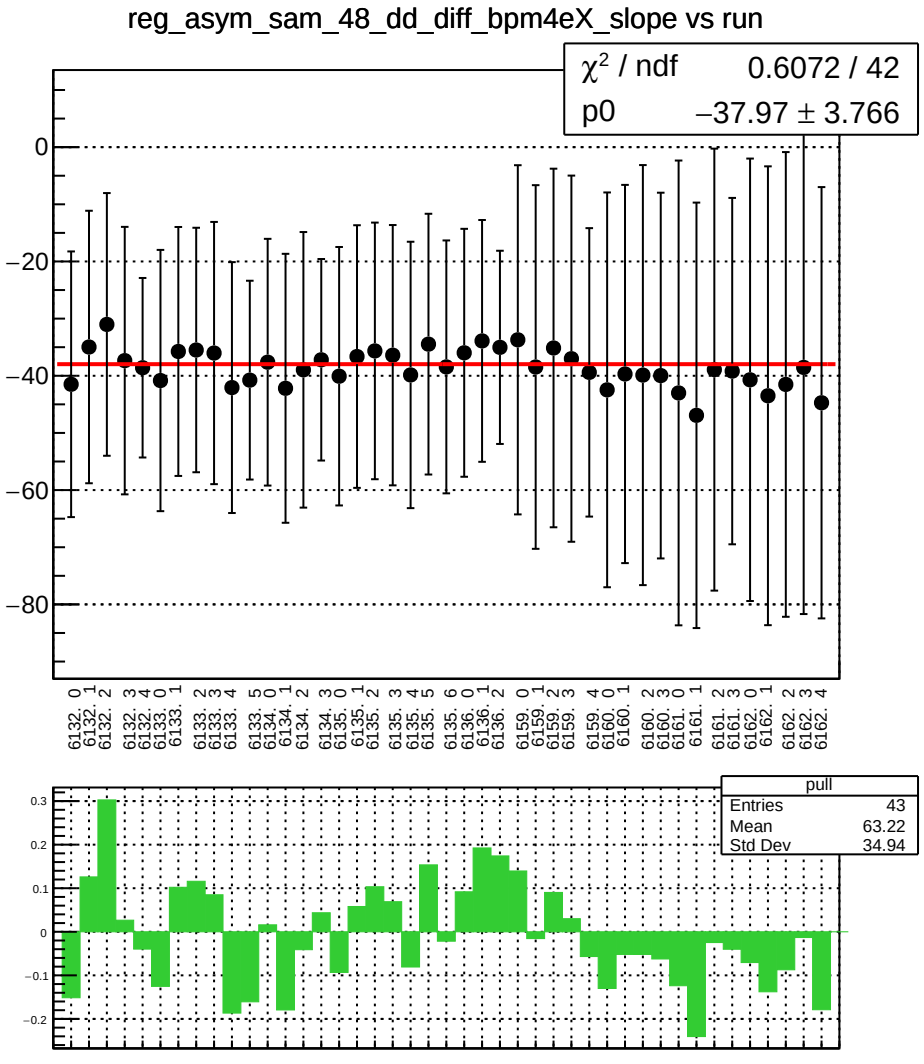

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 2.549 / 42
p0 −1.526 ± 0.2036
pull
Entries 43
Mean 53.37
Std Dev 27.09
pull1D
Entries 43
Mean 0.04522
Std Dev 0.2392

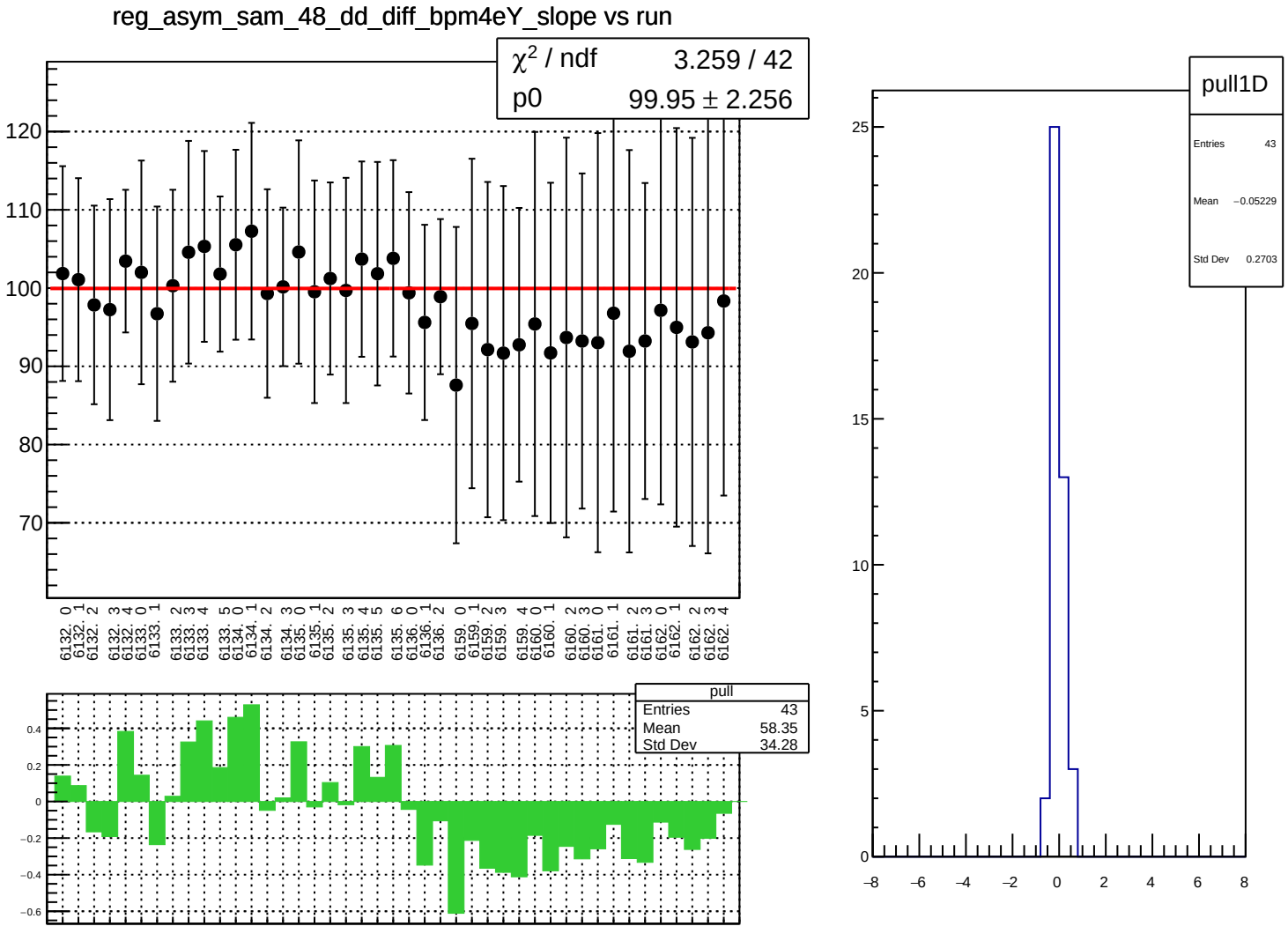

reg_asym_sam_48_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.553 / 42
p0 −45.6 ± 3.235
pull
Entries 43
Mean 64.95
Std Dev 38.53

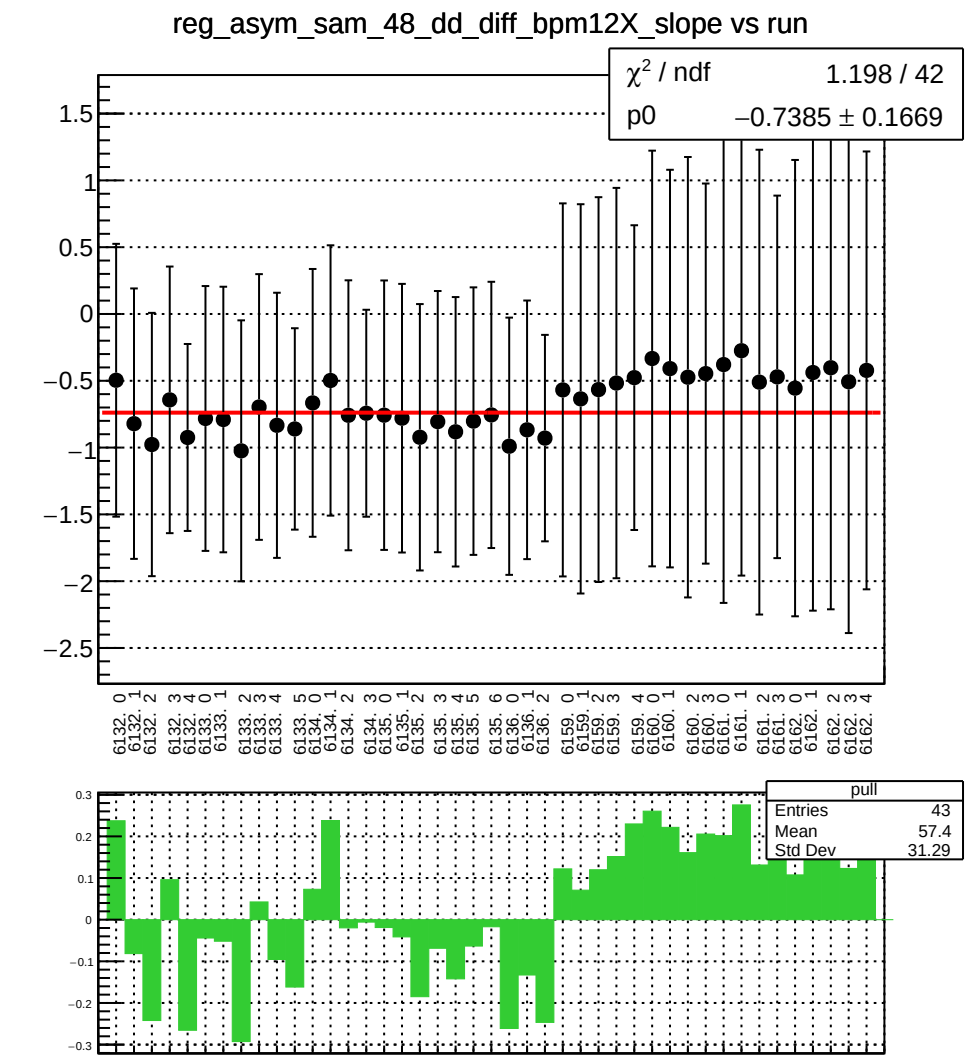

pull1D
Entries 43
Mean 0.01227
Std Dev 0.1127

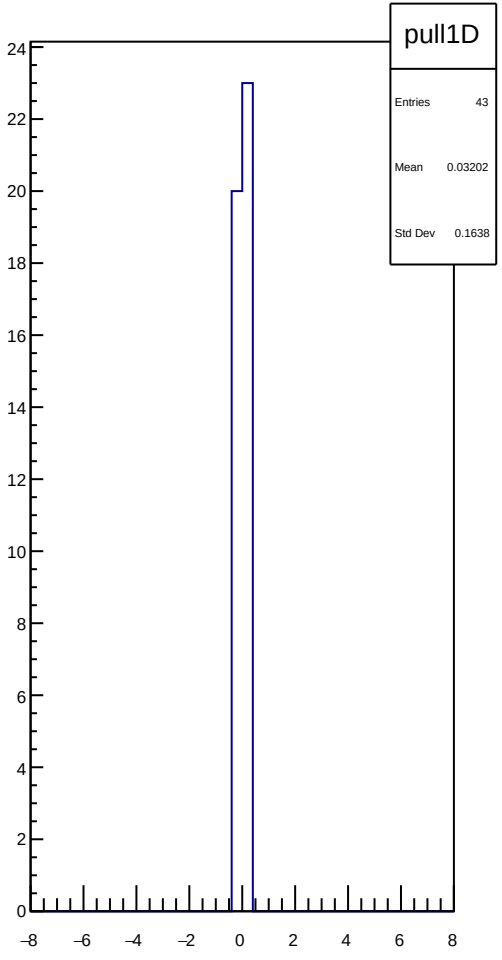

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.92 / 42
p0 28.8 ± 2.129
pull
Entries 43
Mean 57.17
Std Dev 32.57

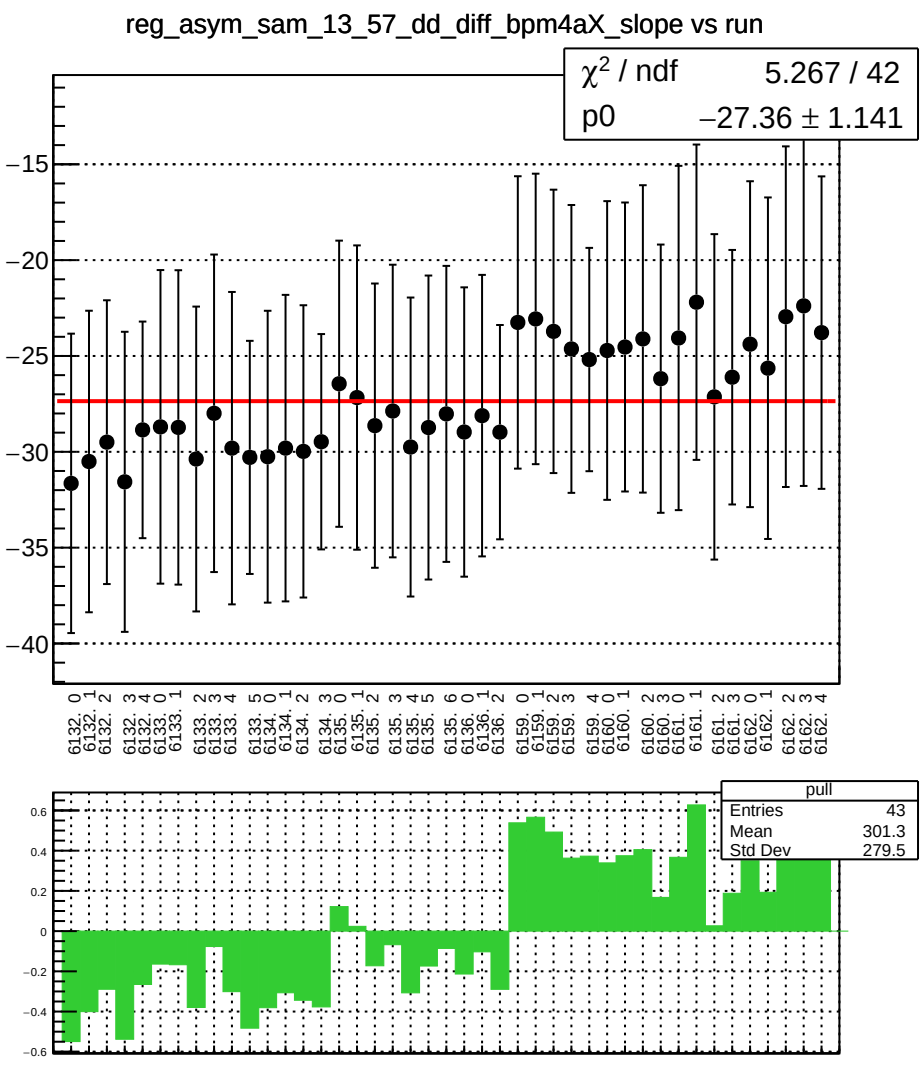

pull1D
Entries 43
Mean 0.03263
Std Dev 0.2088

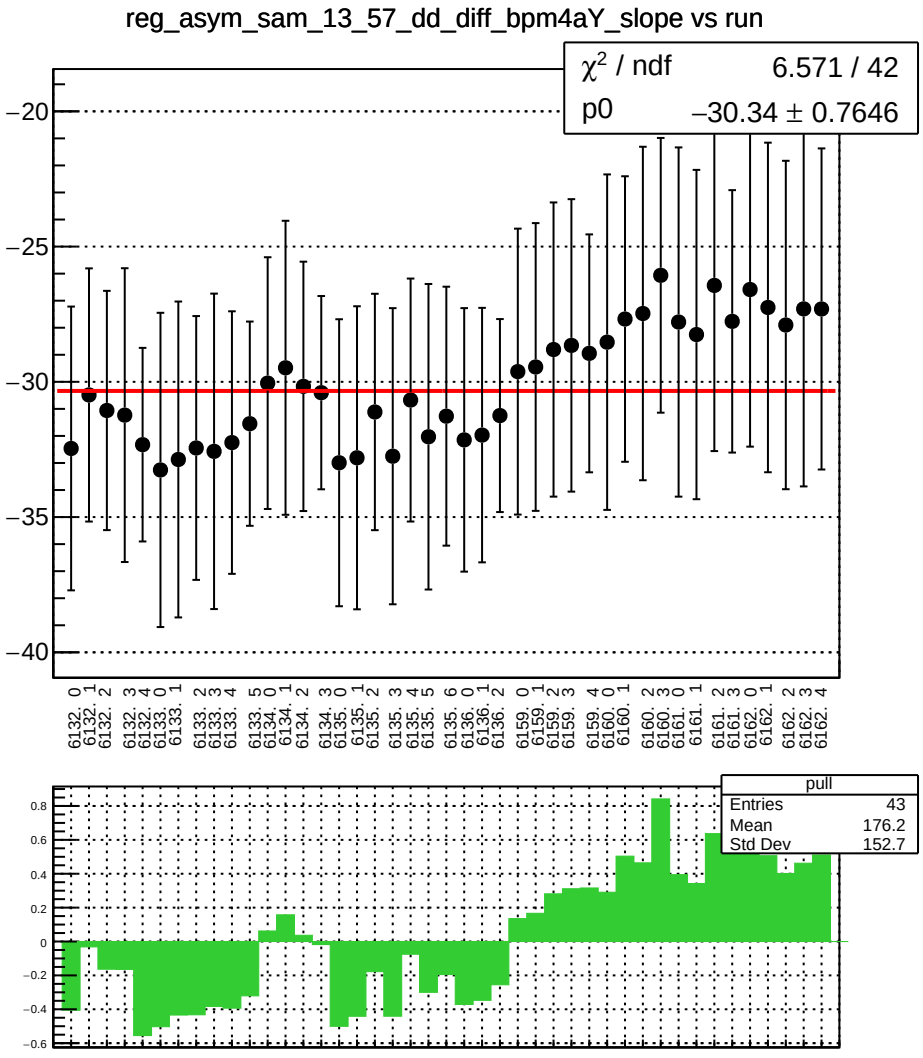

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.6072 / 42
p0 −37.97 ± 3.766
0
−20
−40
−60
−80
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 63.22
Std Dev 34.94
0.3
0.2
0.1
0
−0.1
−0.2
pull1D
Entries 43
Mean −0.01036
Std Dev 0.1184
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

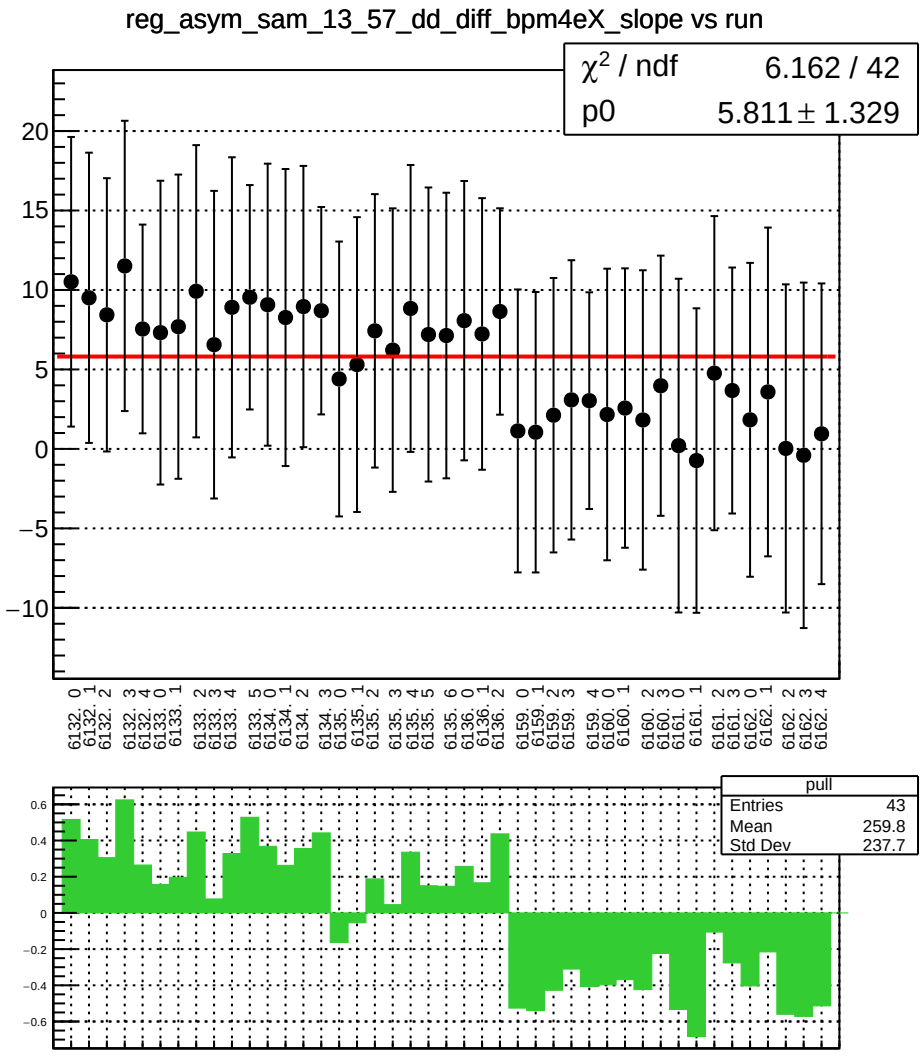

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.259 / 42
p0 99.95 ± 2.256
120
110
100
90
80
70
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 58.35
Std Dev 34.28
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 43
Mean −0.05229
Std Dev 0.2703
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

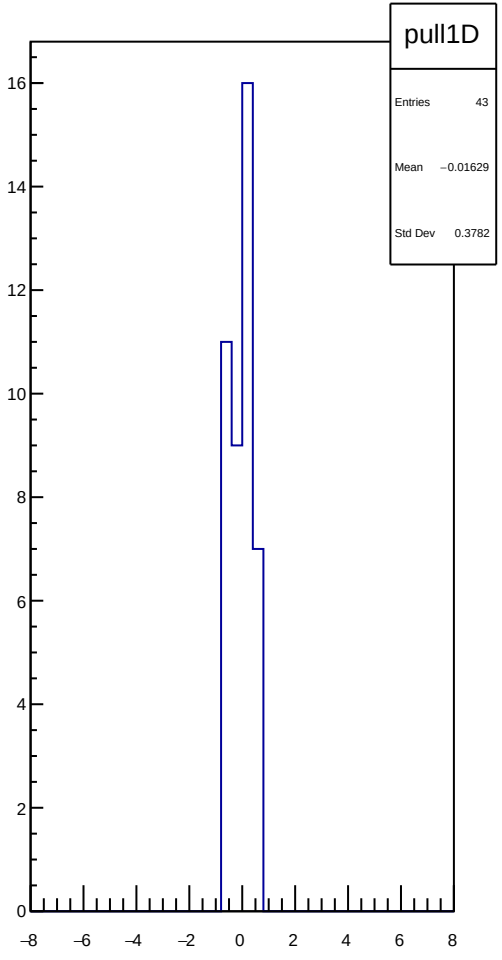

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 1.198 / 42
p0 −0.7385 ± 0.1669
pull
Entries 43
Mean 57.4
Std Dev 31.29

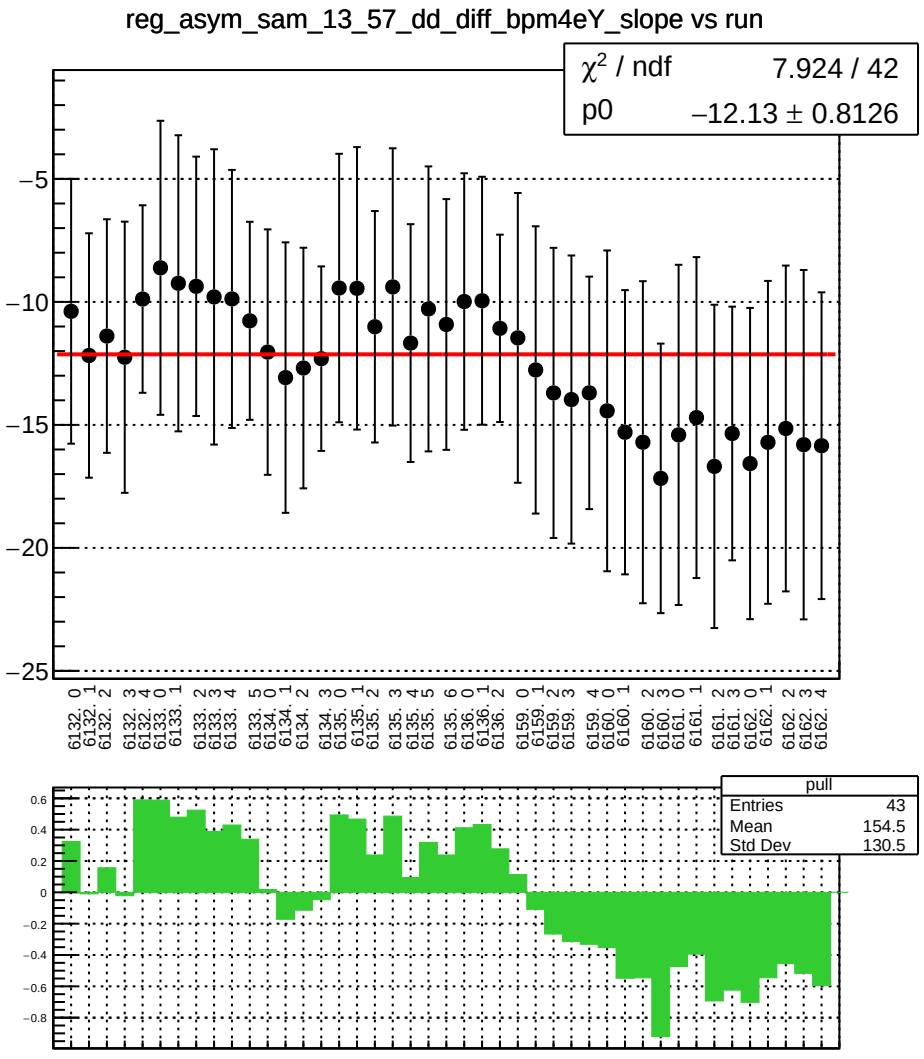

pull1D
Entries 43
Mean 0.03202
Std Dev 0.1638

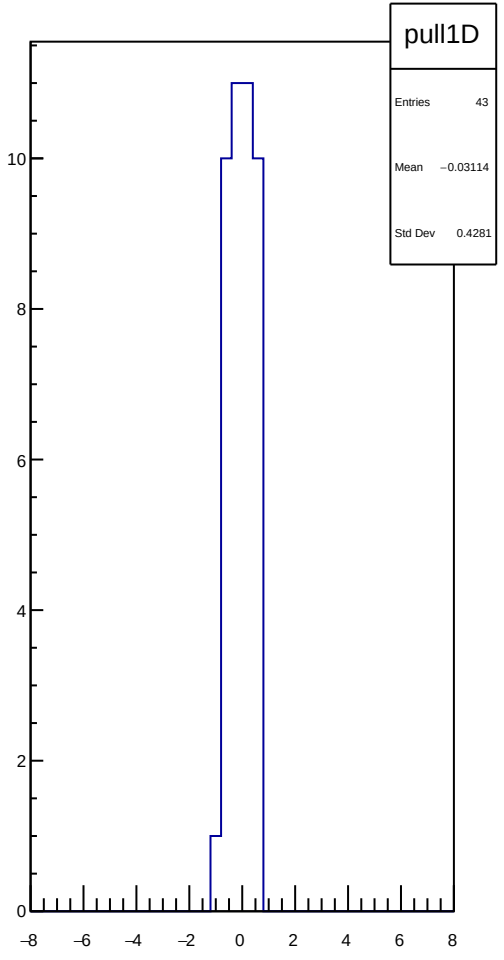

reg_asym_sam_13_57_dd_diff_bpm4aX_slope vs run
χ² / ndf 5.267 / 42
p0 −27.36 ± 1.141
−15
−20
−25
−30
−35
−40
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 301.3
Std Dev 279.5
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 43
Mean 0.01275
Std Dev 0.3497
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

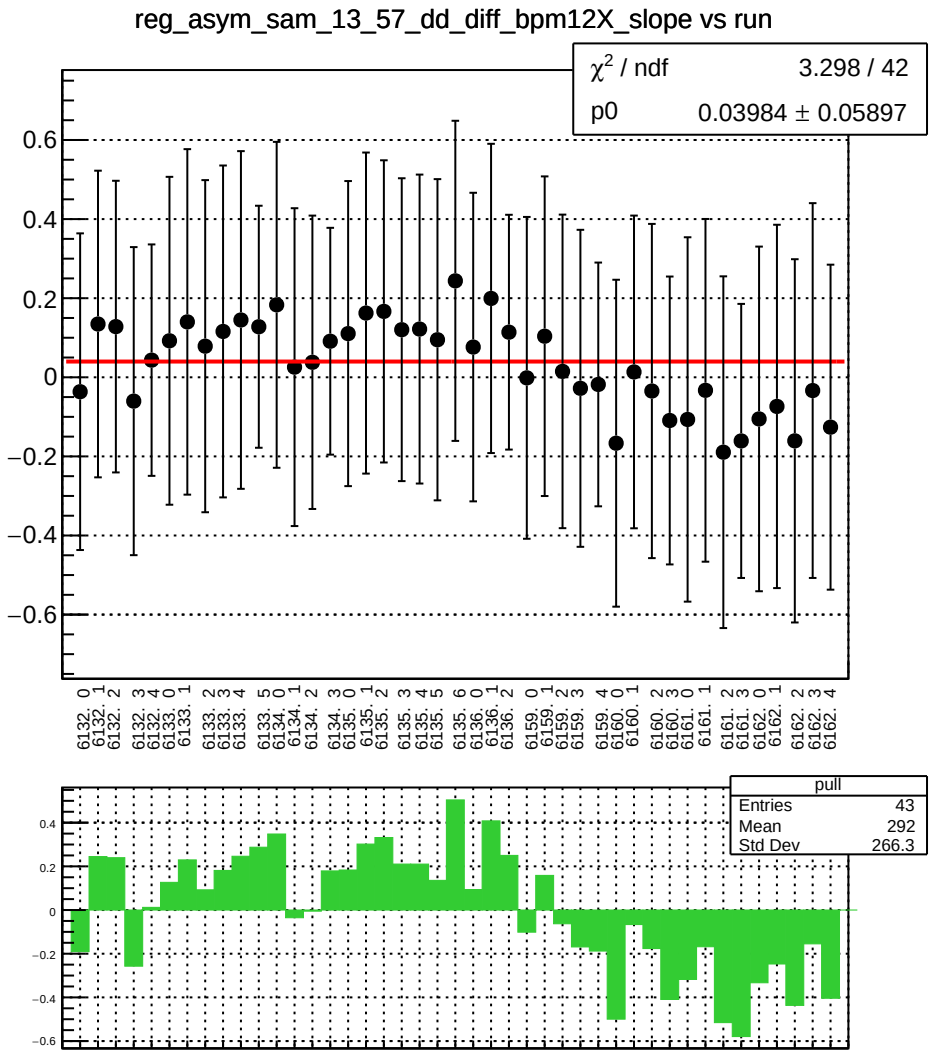

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.571 / 42
p0 −30.34 ± 0.7646
−20
−25
−30
−35
−40
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 176.2
Std Dev 152.7
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 43
Mean 0.02531
Std Dev 0.3901
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

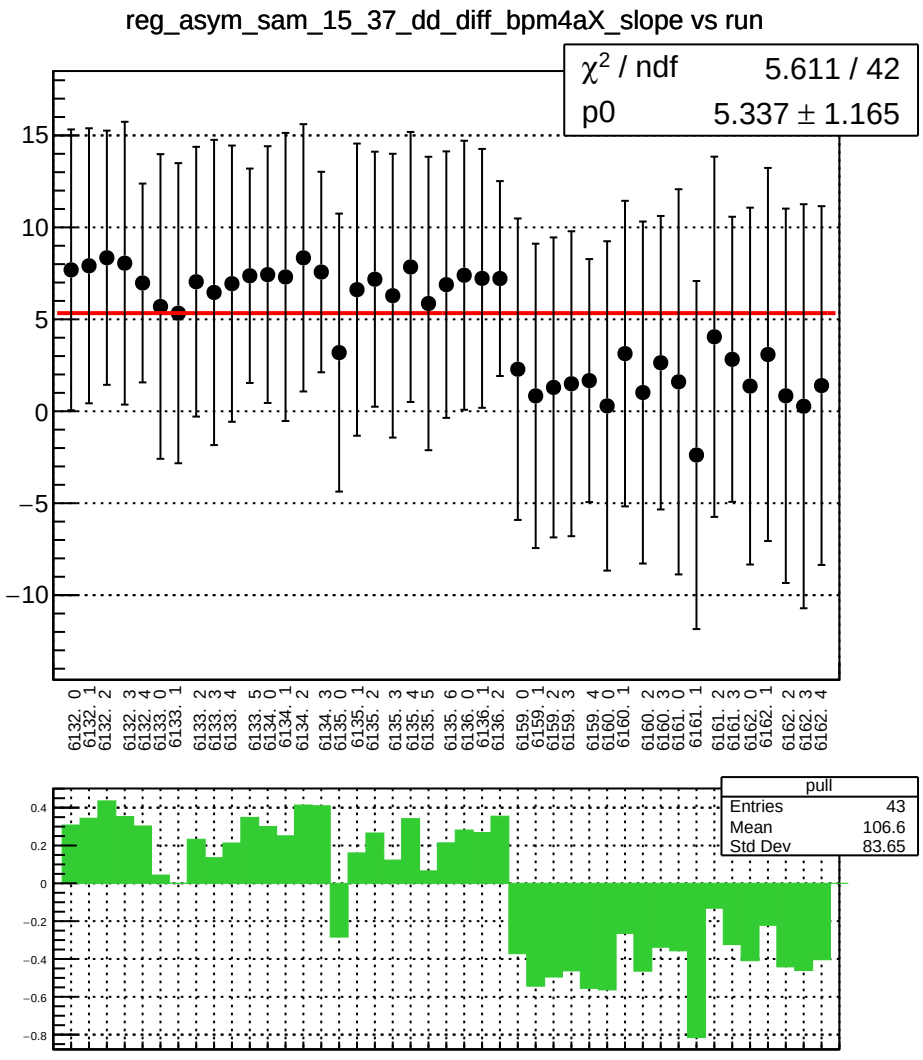

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.162 / 42
p0 5.811 ± 1.329
pull
Entries 43
Mean 259.8
Std Dev 237.7

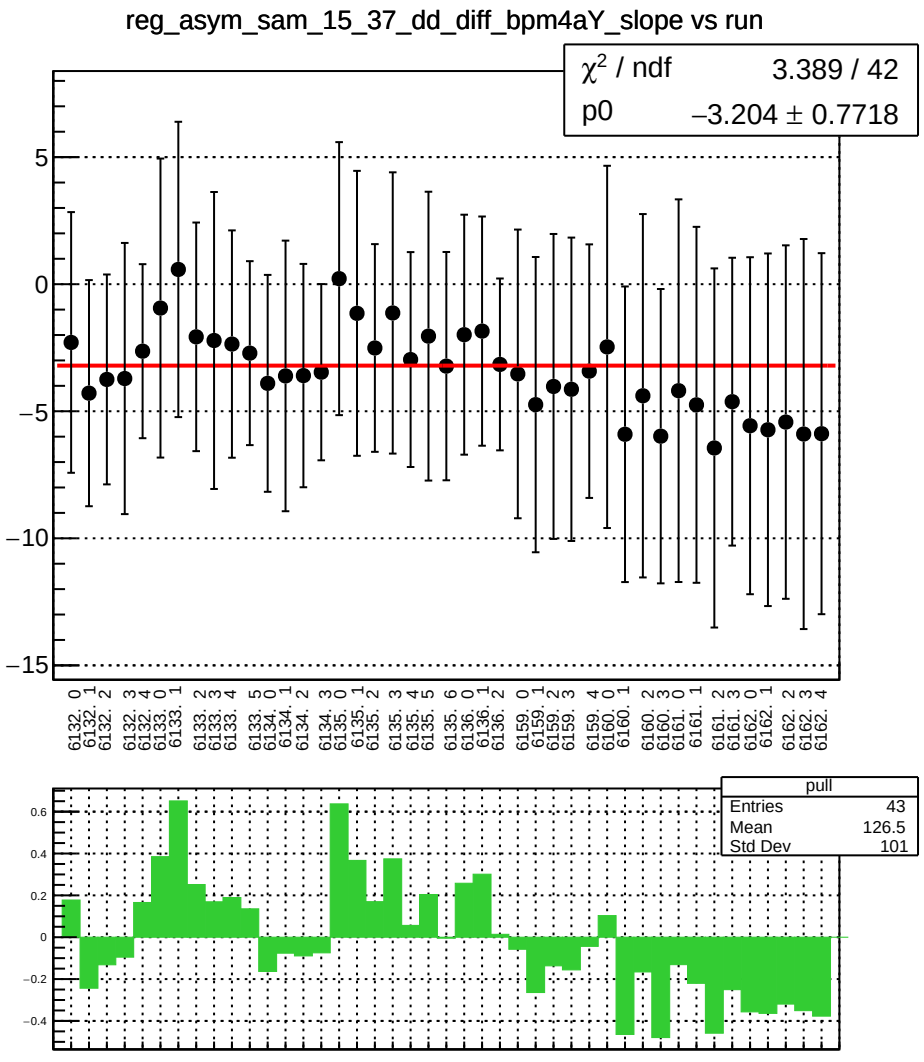

pull1D
Entries 43
Mean −0.01629
Std Dev 0.3782

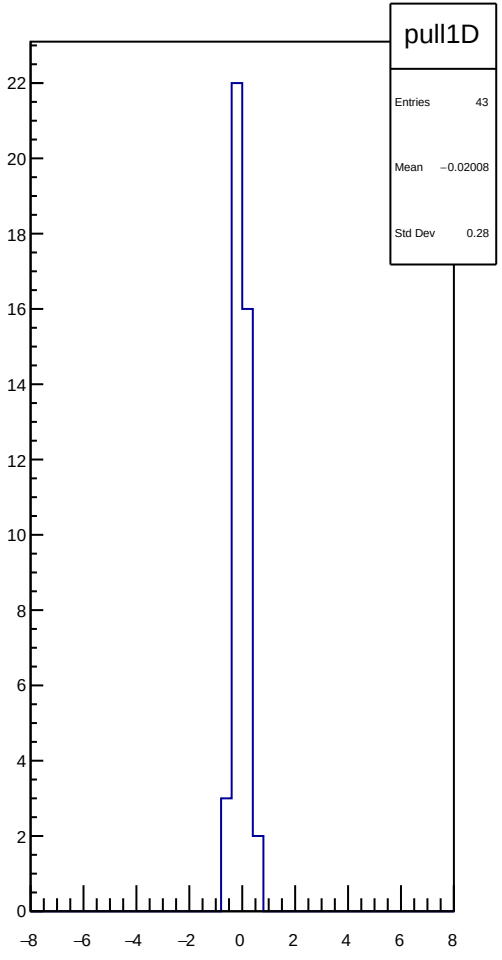

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.924 / 42
p0 −12.13 ± 0.8126
pull
Entries 43
Mean 154.5
Std Dev 130.5

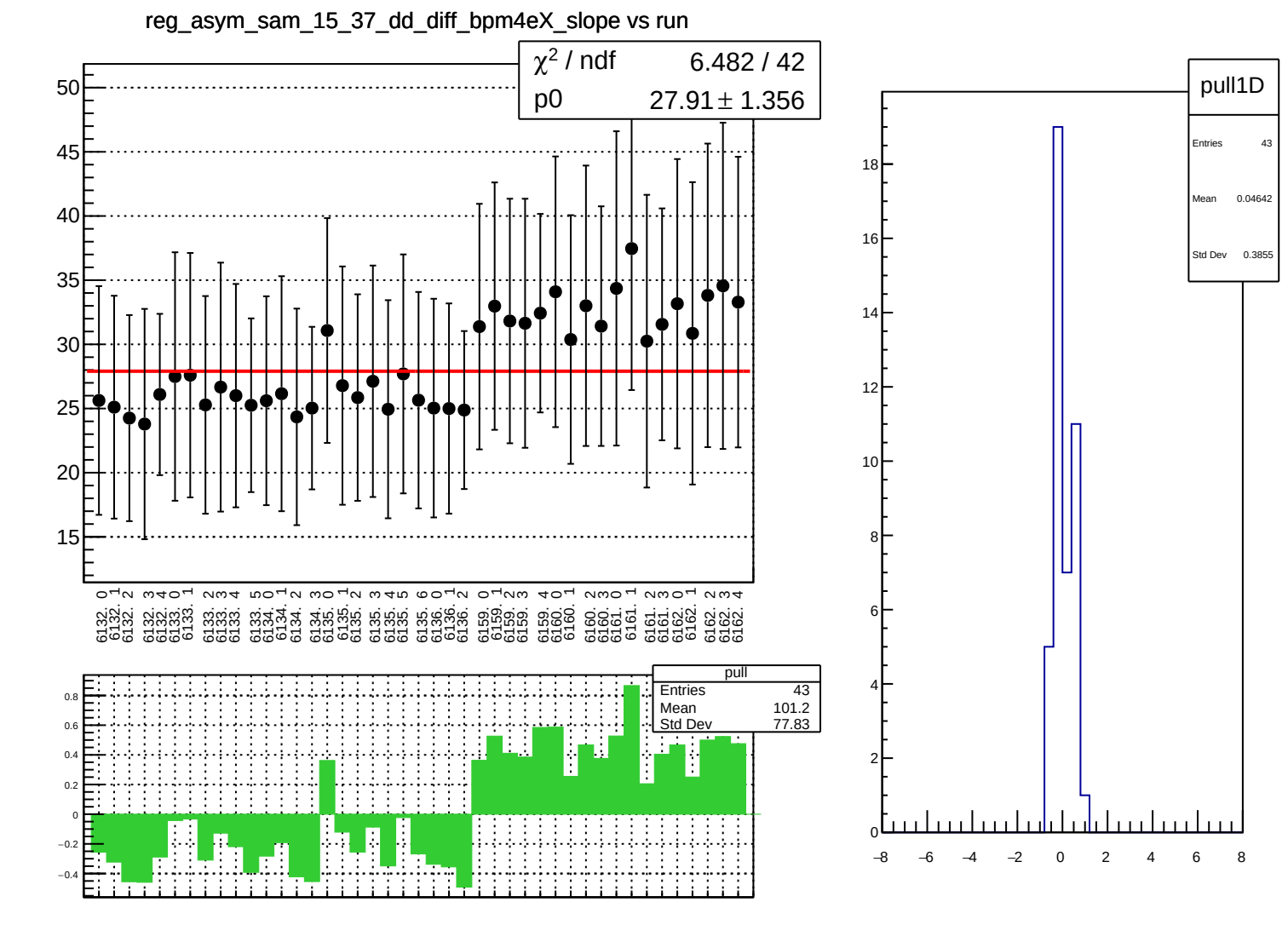

pull1D
Entries 43
Mean −0.03114
Std Dev 0.4281

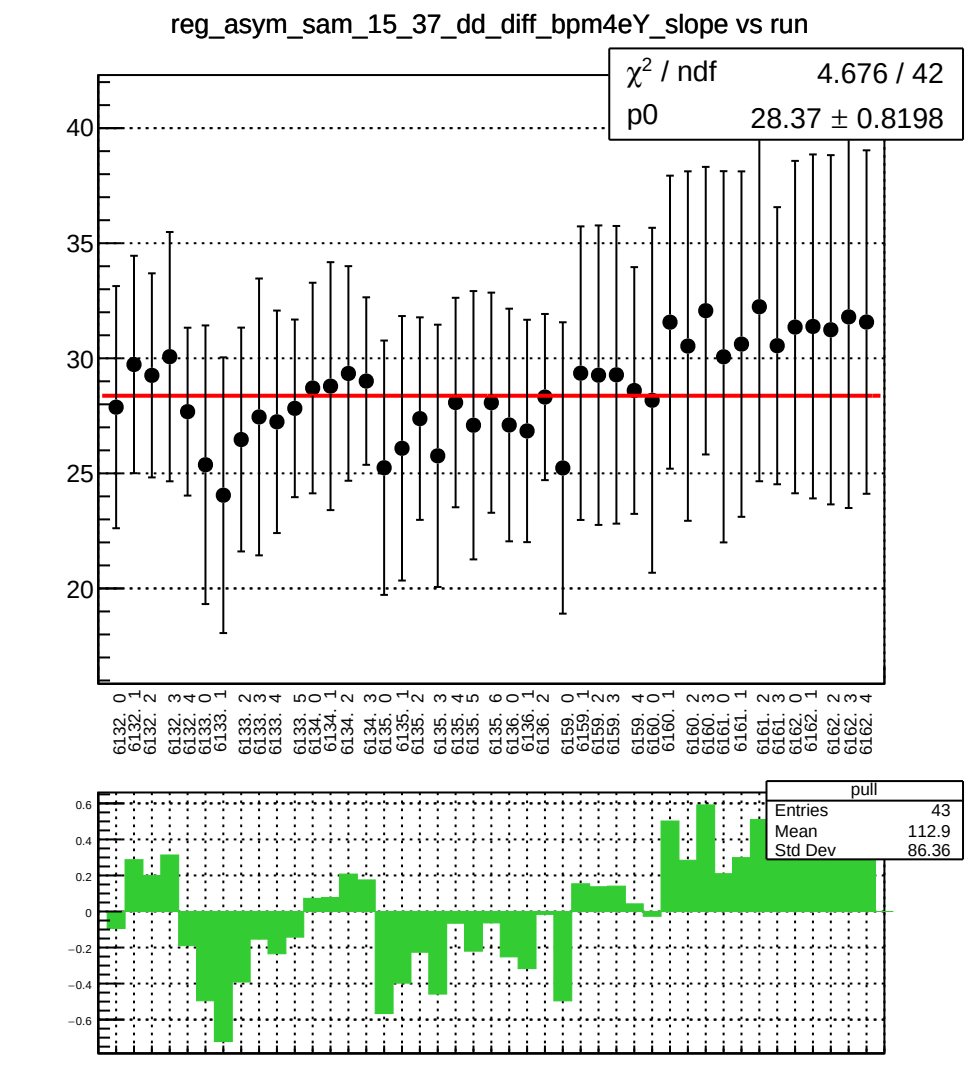

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 3.298 / 42
p0 0.03984 ± 0.05897
pull
Entries 43
Mean 292
Std Dev 266.3
pull1D
Entries 43
Mean −0.007931
Std Dev 0.2768

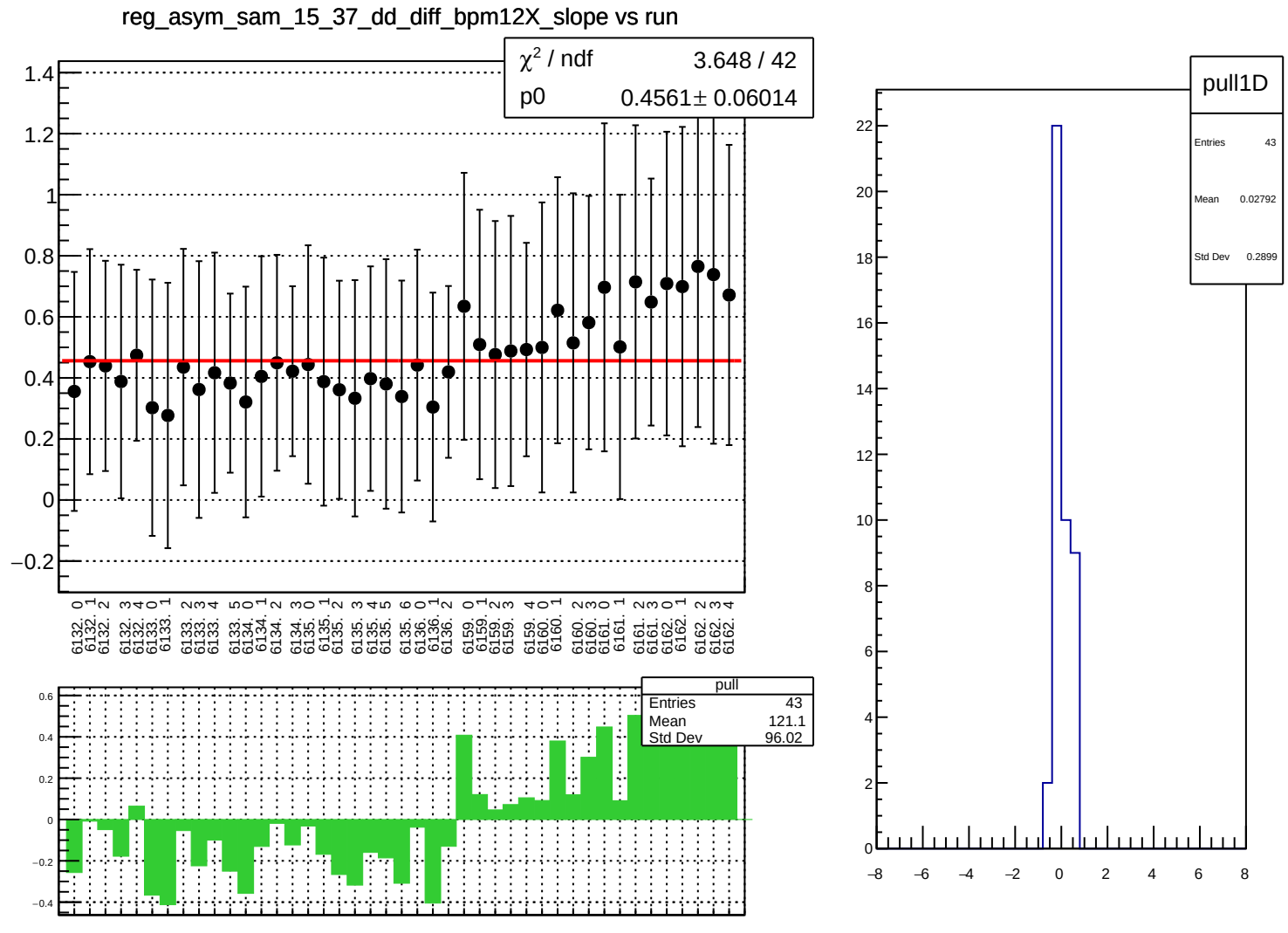

reg_asym_sam_15_37_dd_diff_bpm4aX_slope vs run
χ² / ndf 5.611 / 42
p0 5.337 ± 1.165
pull
Entries 43
Mean 106.6
Std Dev 83.65
pull1D
Entries 43
Mean −0.04046
Std Dev 0.359

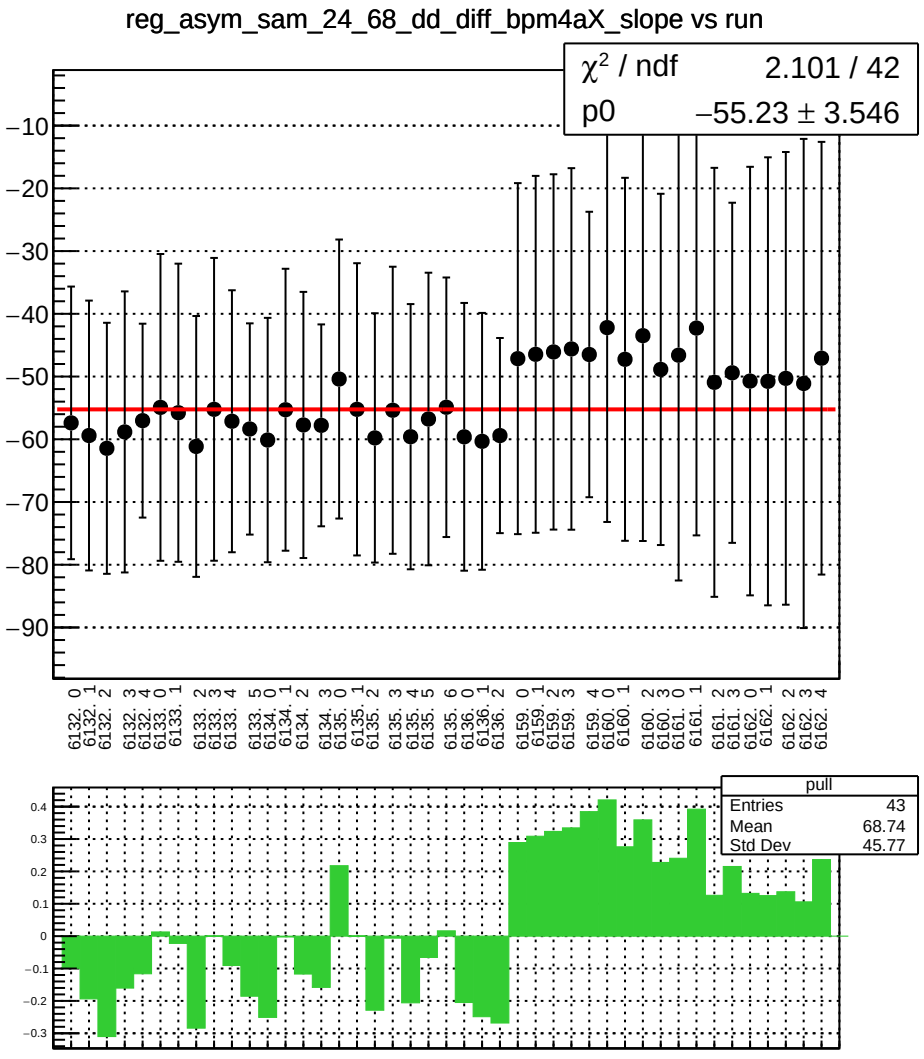

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.389 / 42
p0 −3.204 ± 0.7718
5
0
−5
−10
−15
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 126.5
Std Dev 101
0.6
0.4
0.2
0
−0.2
−0.4

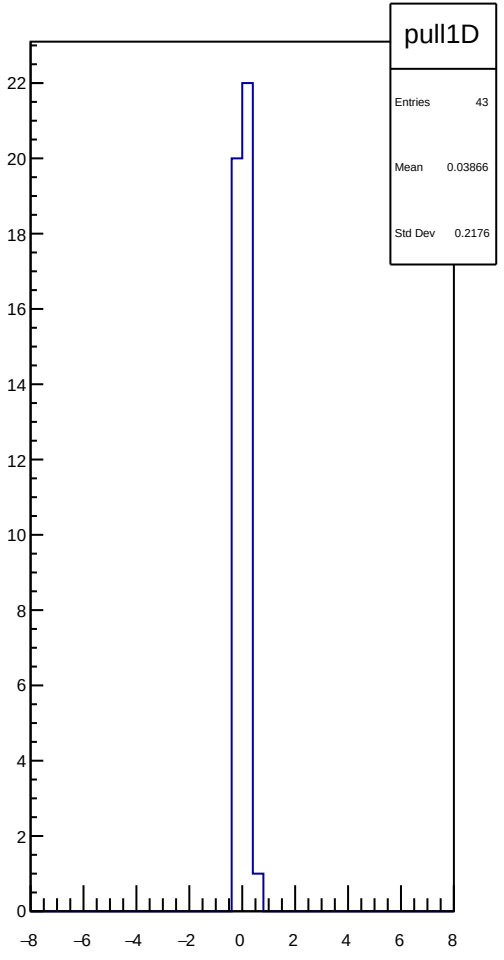

pull1D
Entries 43
Mean −0.02008
Std Dev 0.28
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

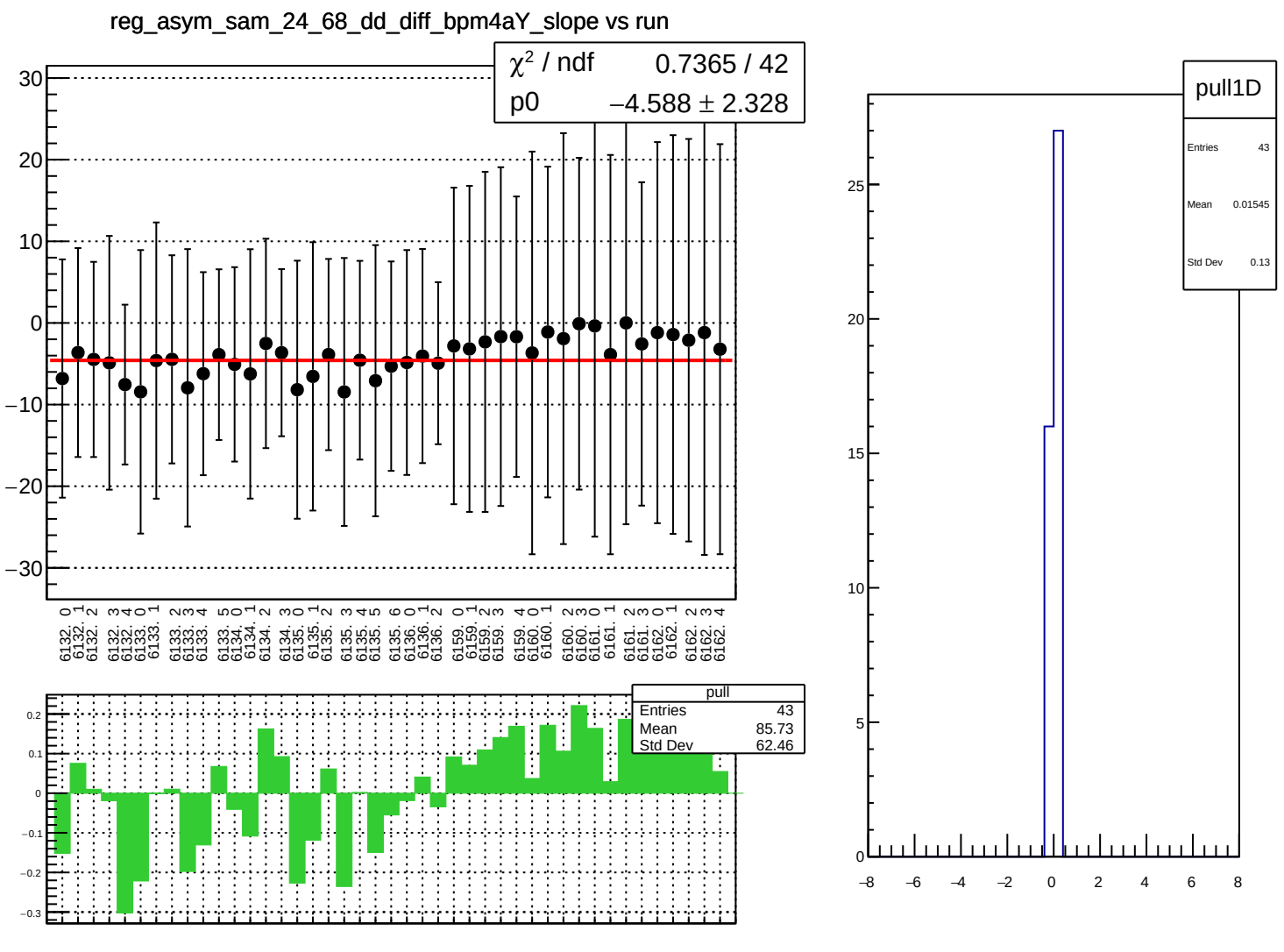

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.482 / 42
p0 27.91 ± 1.356
pull
Entries 43
Mean 101.2
Std Dev 77.83
pull1D
Entries 43
Mean 0.04642
Std Dev 0.3855

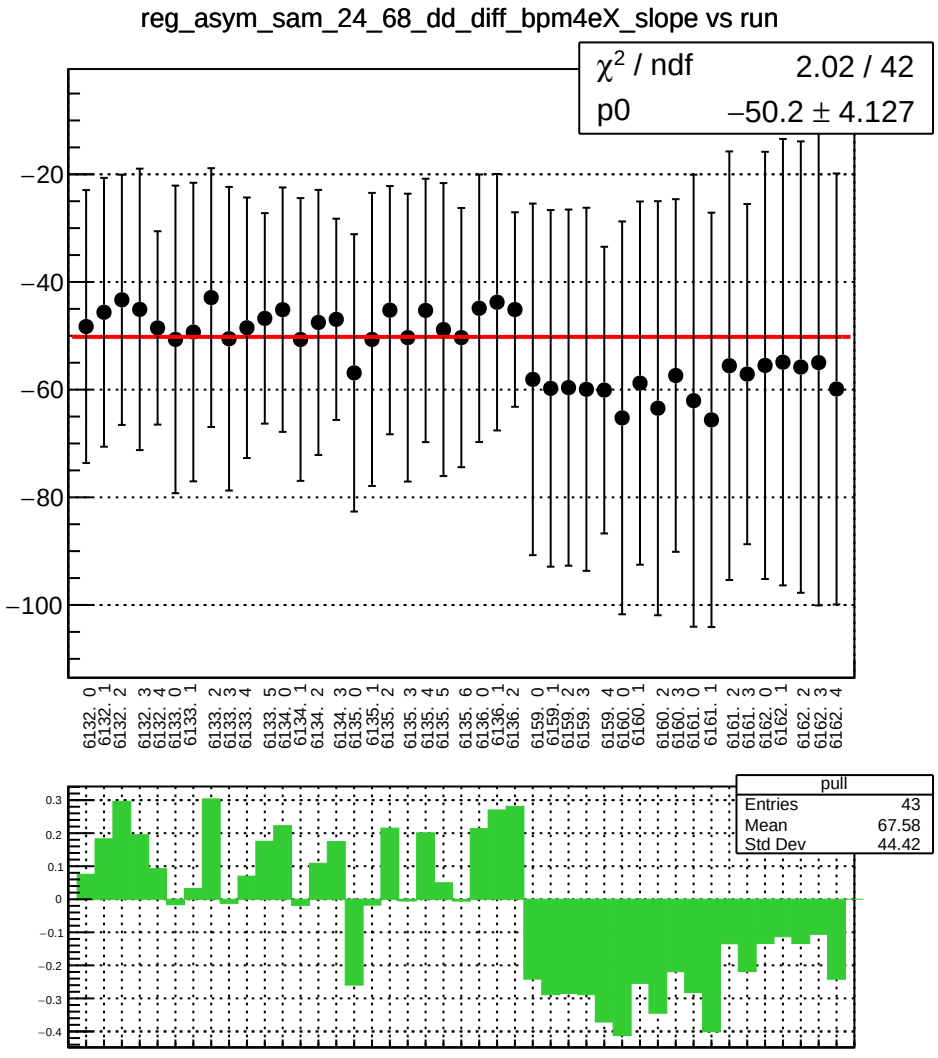

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.676 / 42
p0 28.37 ± 0.8198
40
35
30
25
20
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 112.9
Std Dev 86.36
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 43
Mean 0.02503
Std Dev 0.3288
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

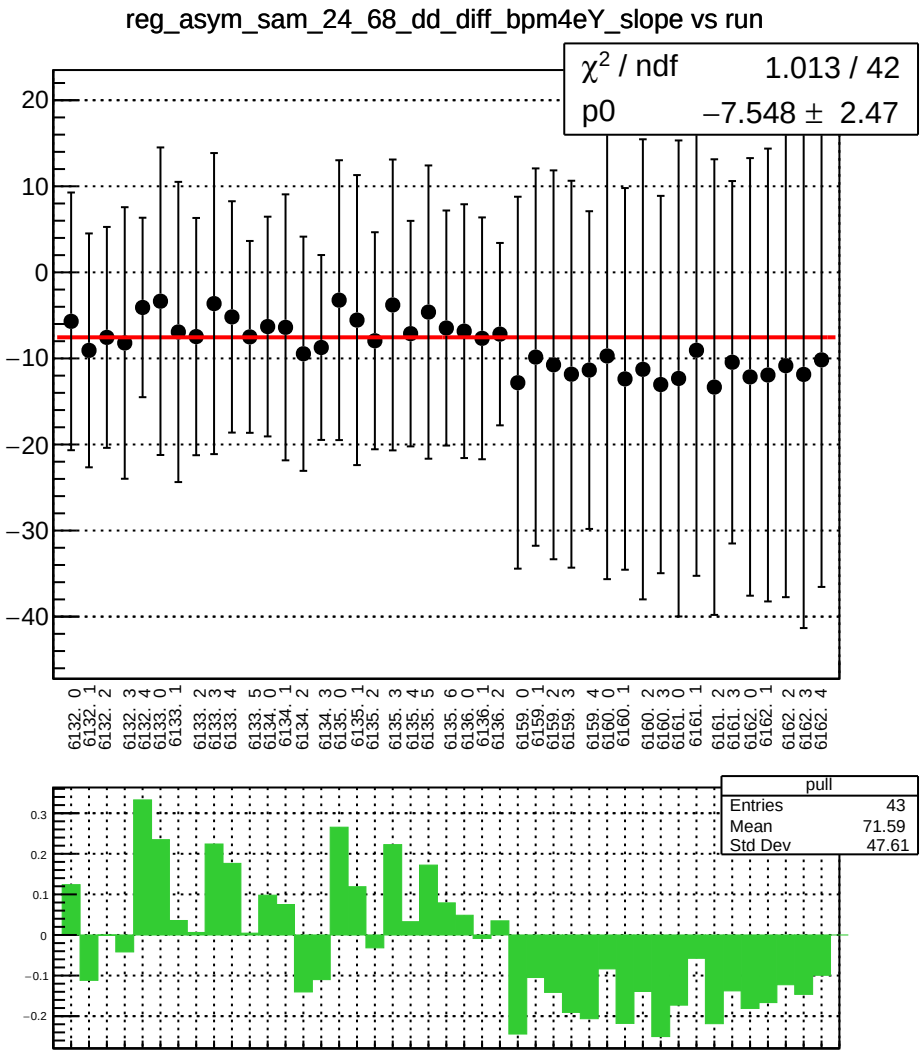

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 3.648 / 42
p0 0.4561± 0.06014
pull
Entries 43
Mean 121.1
Std Dev 96.02
pull1D
Entries 43
Mean 0.02792
Std Dev 0.2899

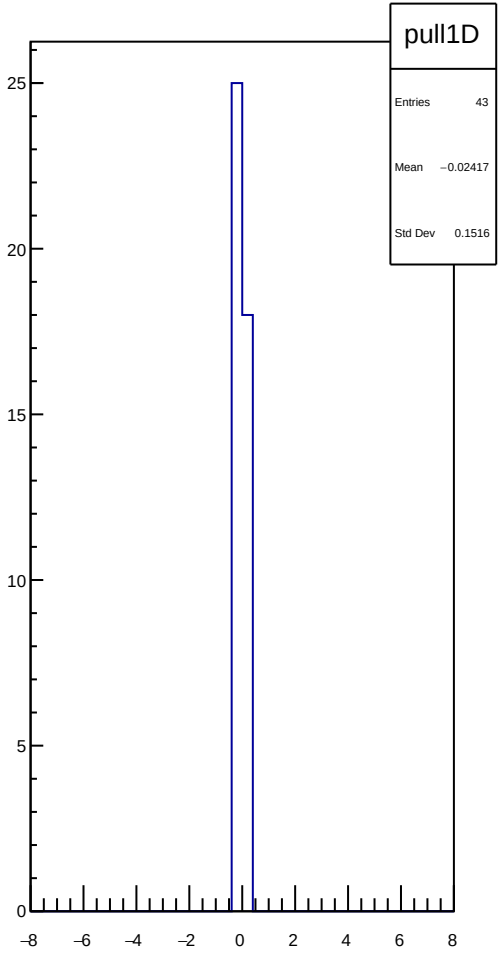

reg_asym_sam_24_68_dd_diff_bpm4aX_slope vs run
χ² / ndf 2.101 / 42
p0 −55.23 ± 3.546
pull
Entries 43
Mean 68.74
Std Dev 45.77

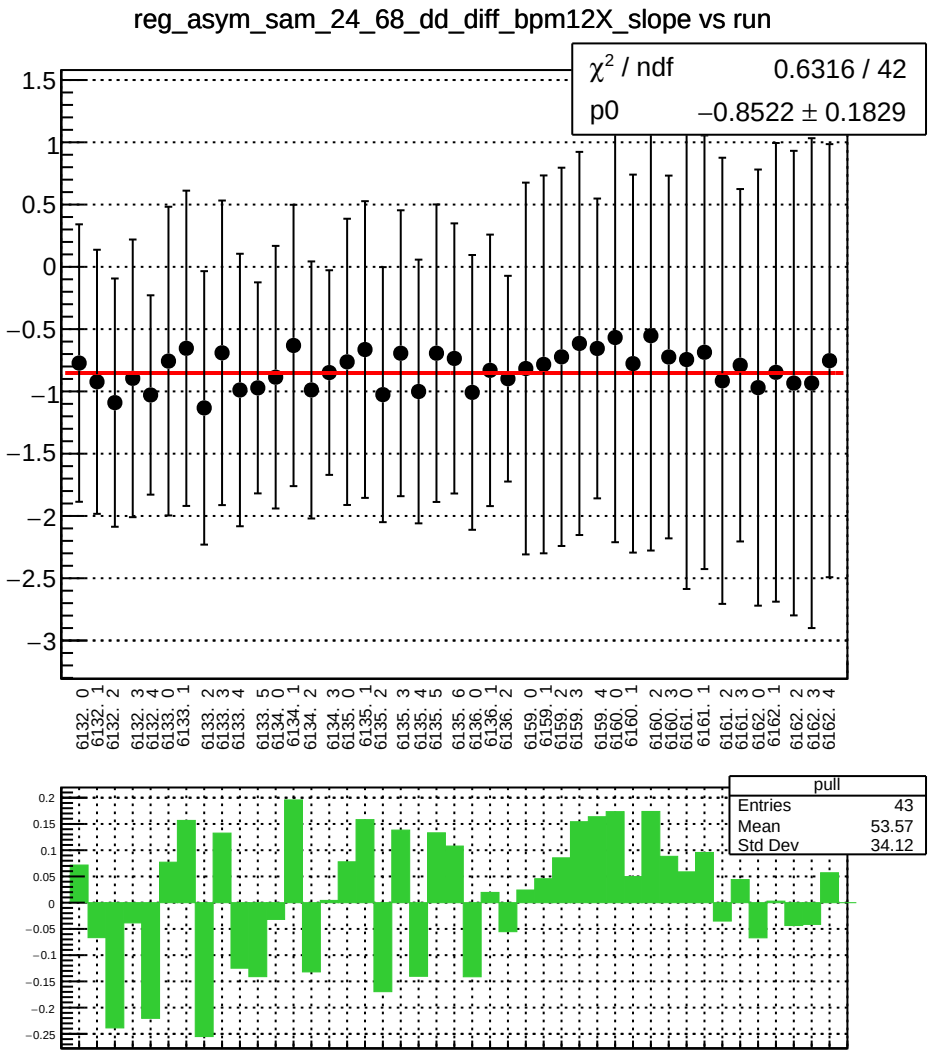

pull1D
Entries 43
Mean 0.03866
Std Dev 0.2176

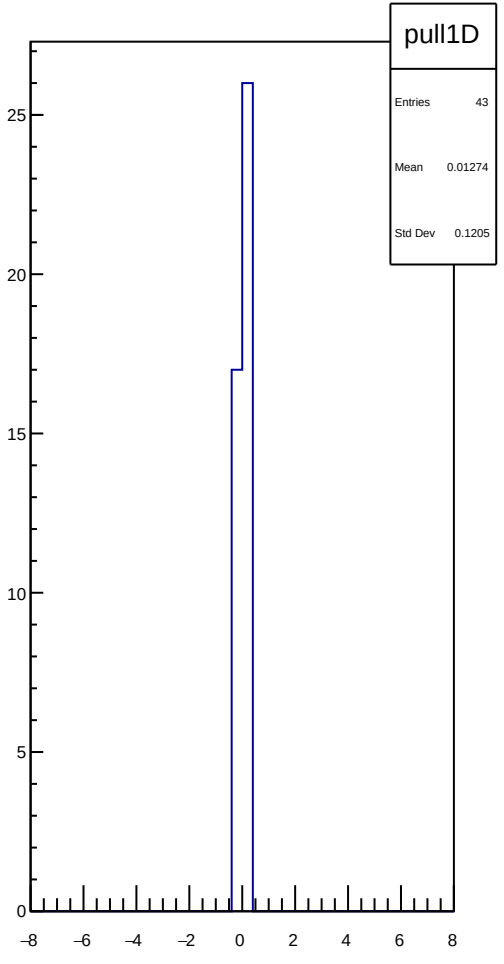

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.7365 / 42
p0 −4.588 ± 2.328
pull
Entries 43
Mean 85.73
Std Dev 62.46
pull1D
Entries 43
Mean 0.01545
Std Dev 0.13

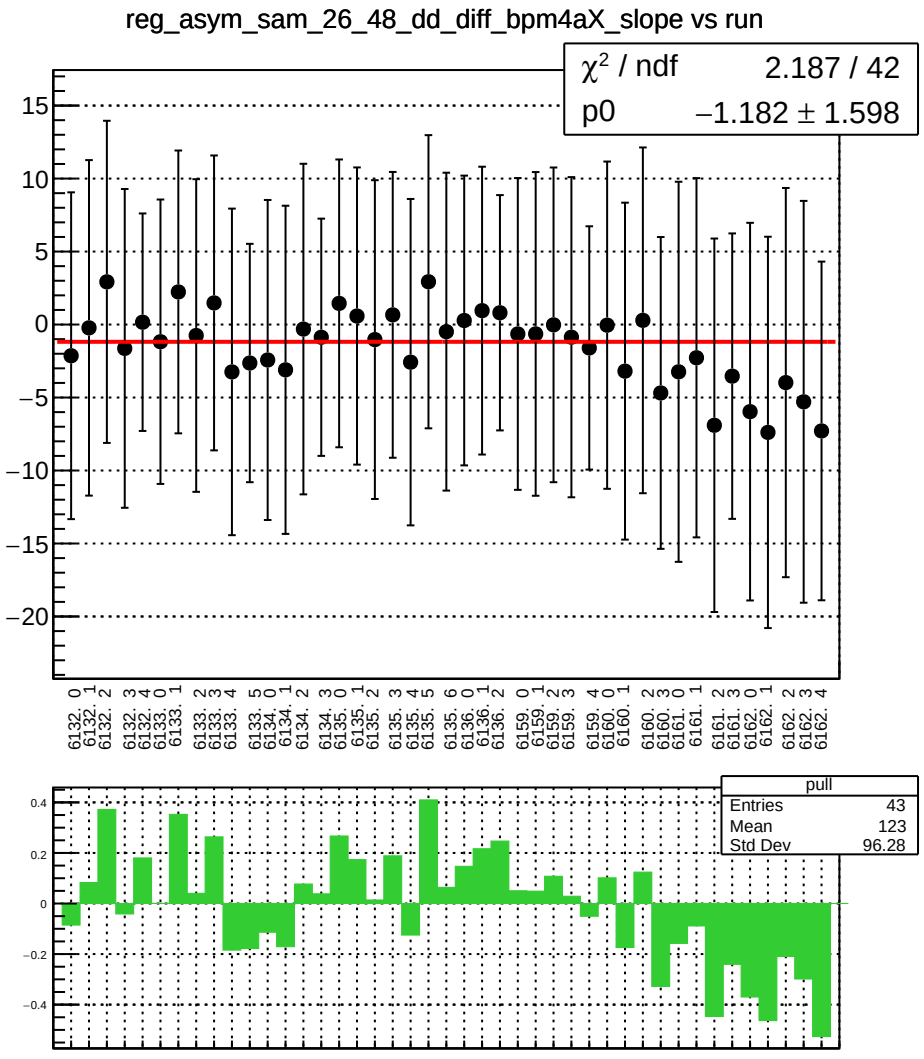

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.02 / 42
p0 −50.2 ± 4.127
−20
−40
−60
−80
−100
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 67.58
Std Dev 44.42
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
pull1D
Entries 43
Mean −0.0383
Std Dev 0.2134
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

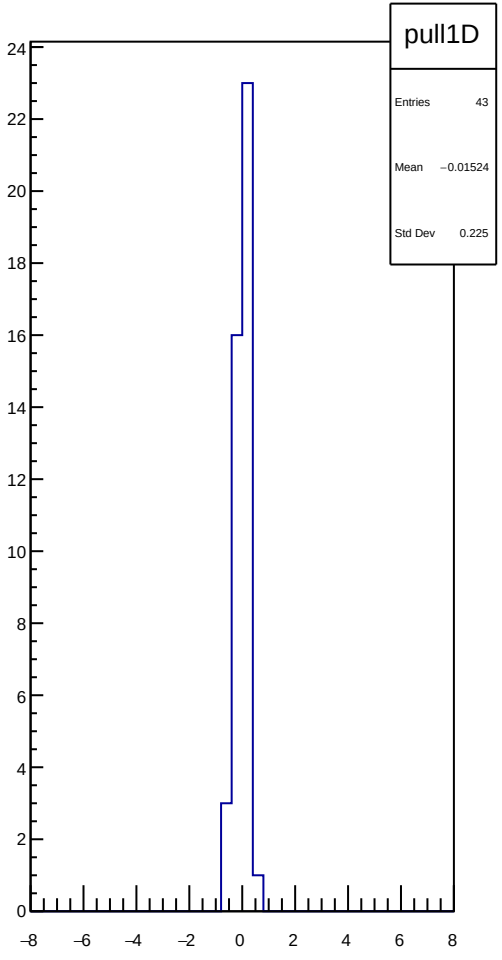

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.013 / 42
p0 −7.548 ± 2.47
pull
Entries 43
Mean 71.59
Std Dev 47.61

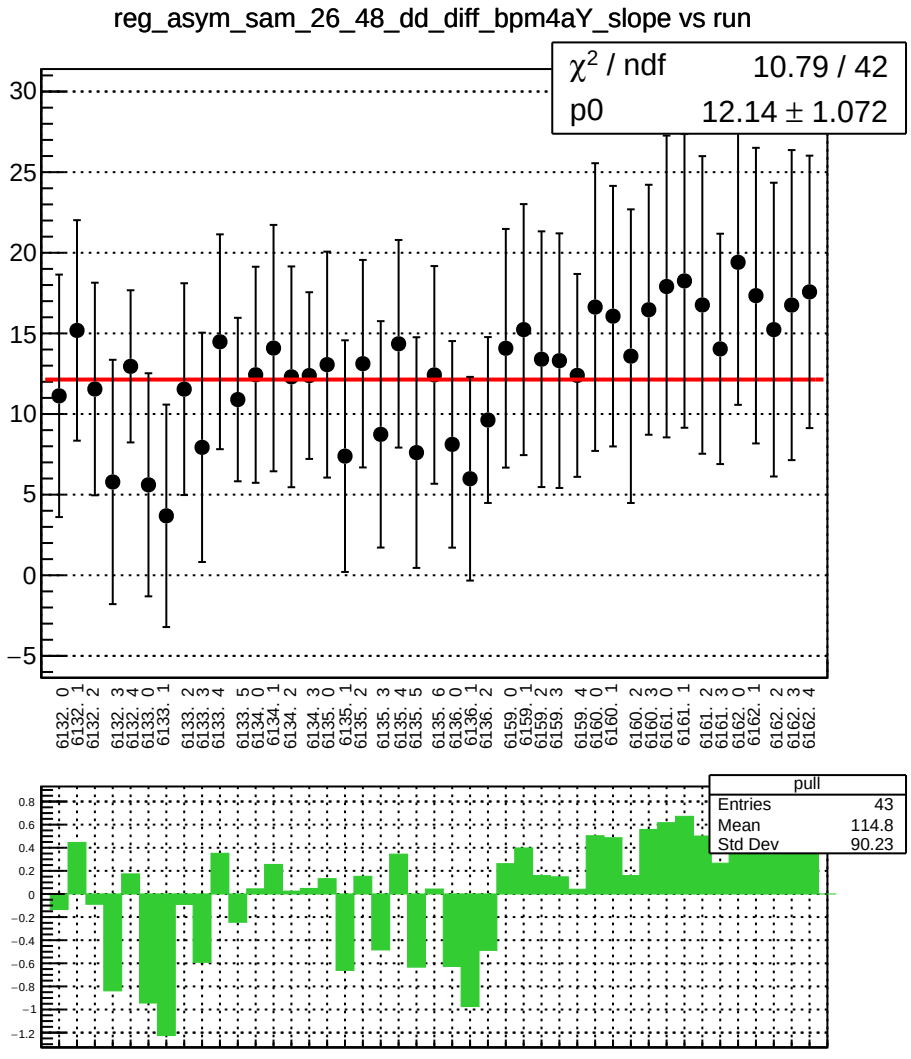

pull1D
Entries 43
Mean −0.02417
Std Dev 0.1516

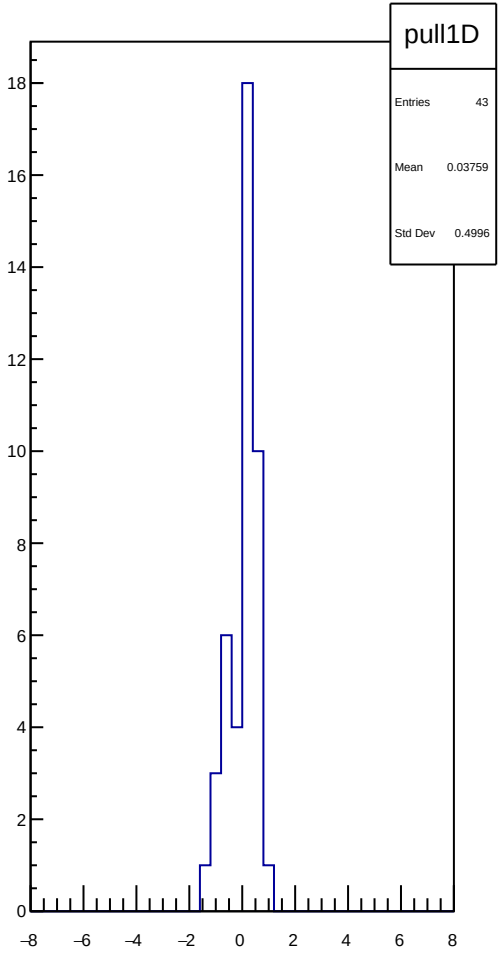

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 0.6316 / 42
p0 −0.8522 ± 0.1829
pull
Entries 43
Mean 53.57
Std Dev 34.12

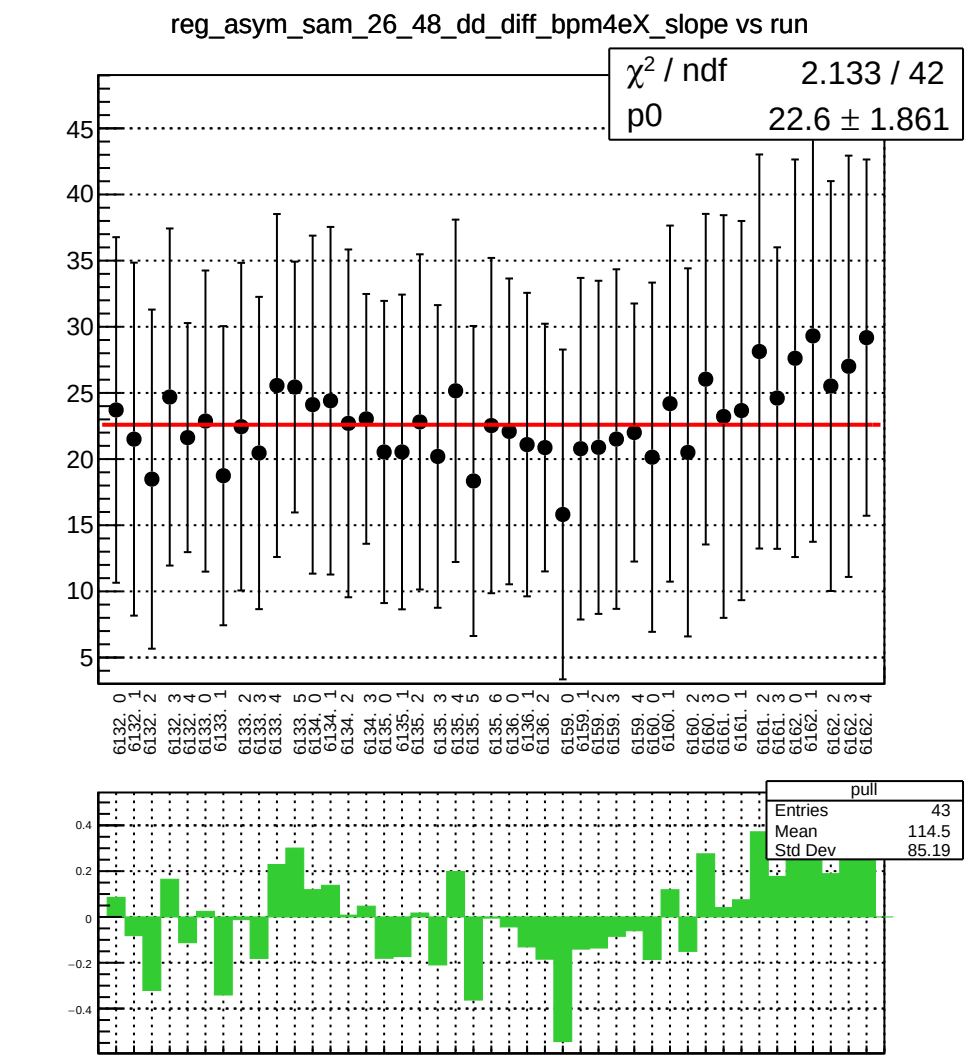

pull1D
Entries 43
Mean 0.01274
Std Dev 0.1205

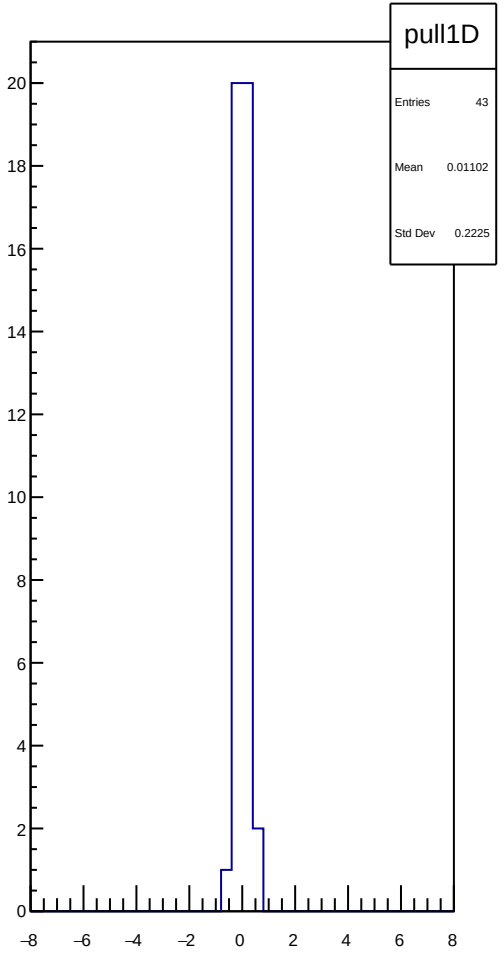

reg_asym_sam_26_48_dd_diff_bpm4aX_slope vs run
χ² / ndf 2.187 / 42
p0 −1.182 ± 1.598
pull
Entries 43
Mean 123
Std Dev 96.28

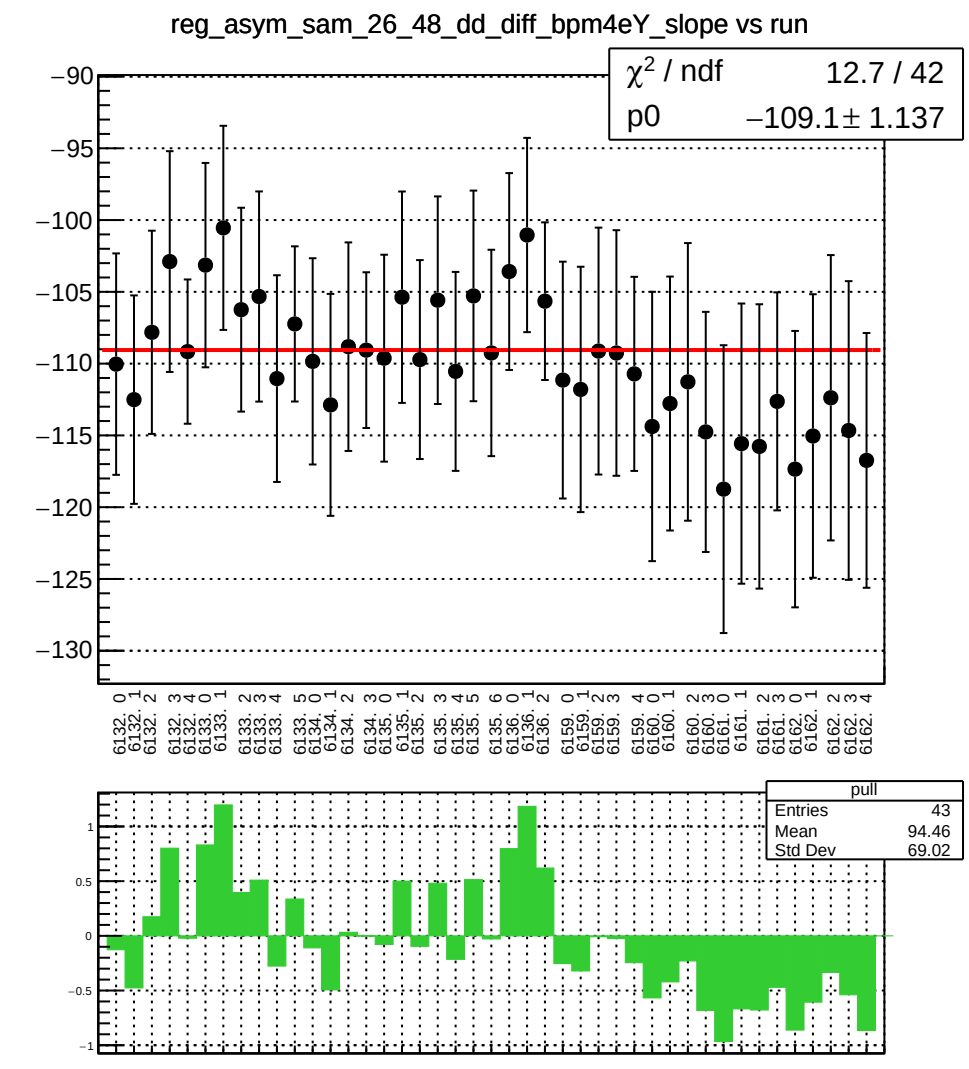

pull1D
Entries 43
Mean −0.01524
Std Dev 0.225

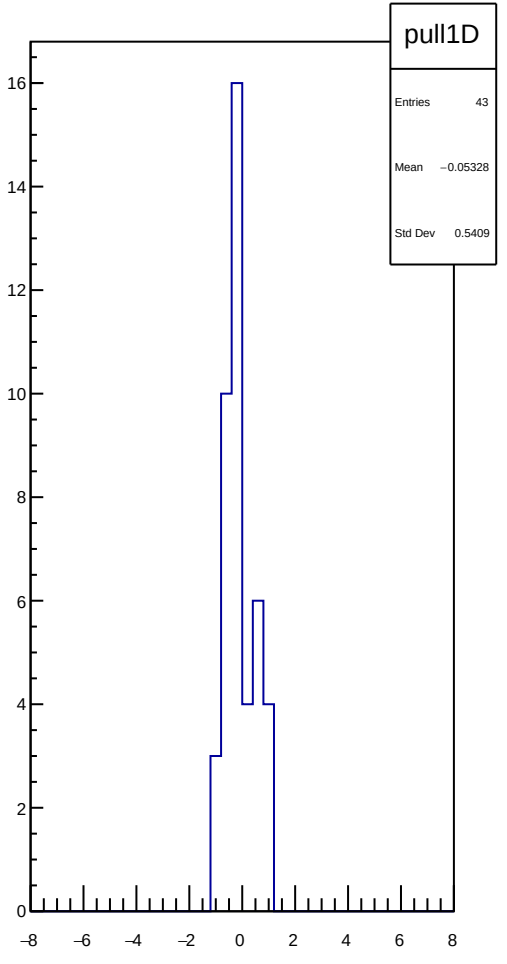

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.79 / 42
p0 12.14 ± 1.072
pull
Entries 43
Mean 114.8
Std Dev 90.23

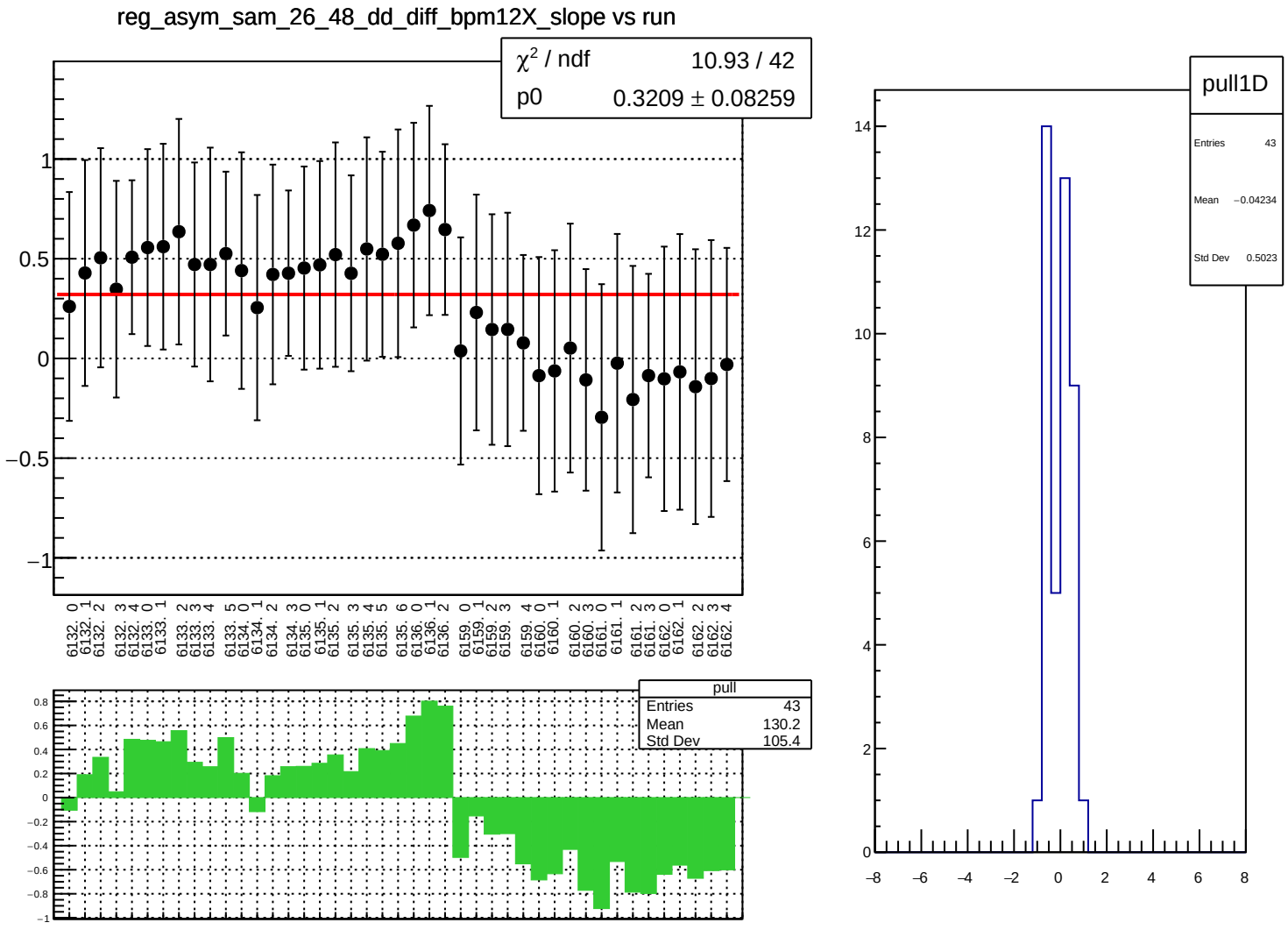

pull1D
Entries 43
Mean 0.03759
Std Dev 0.4996

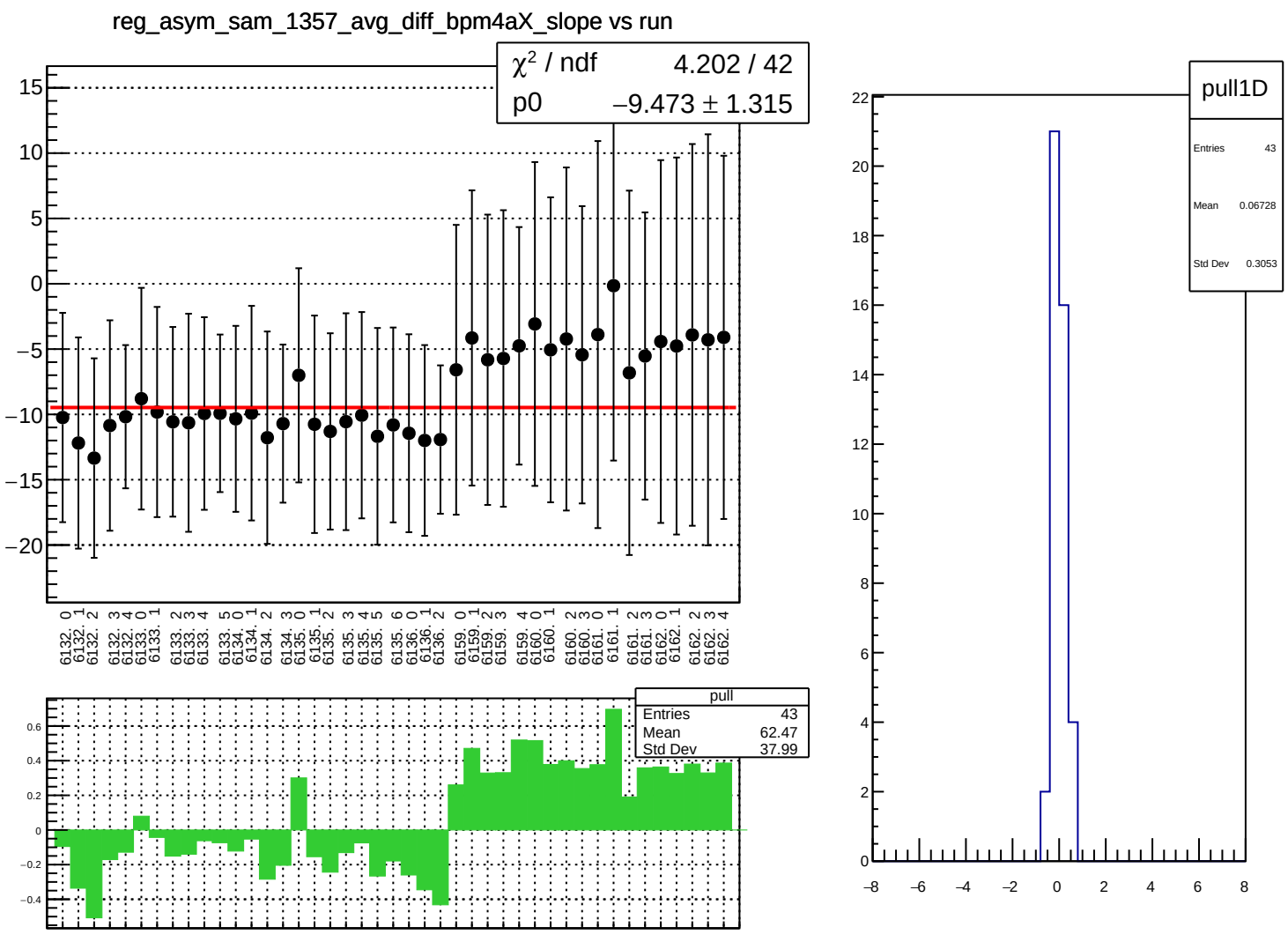

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.133 / 42
p0 22.6 ± 1.861
pull
Entries 43
Mean 114.5
Std Dev 85.19

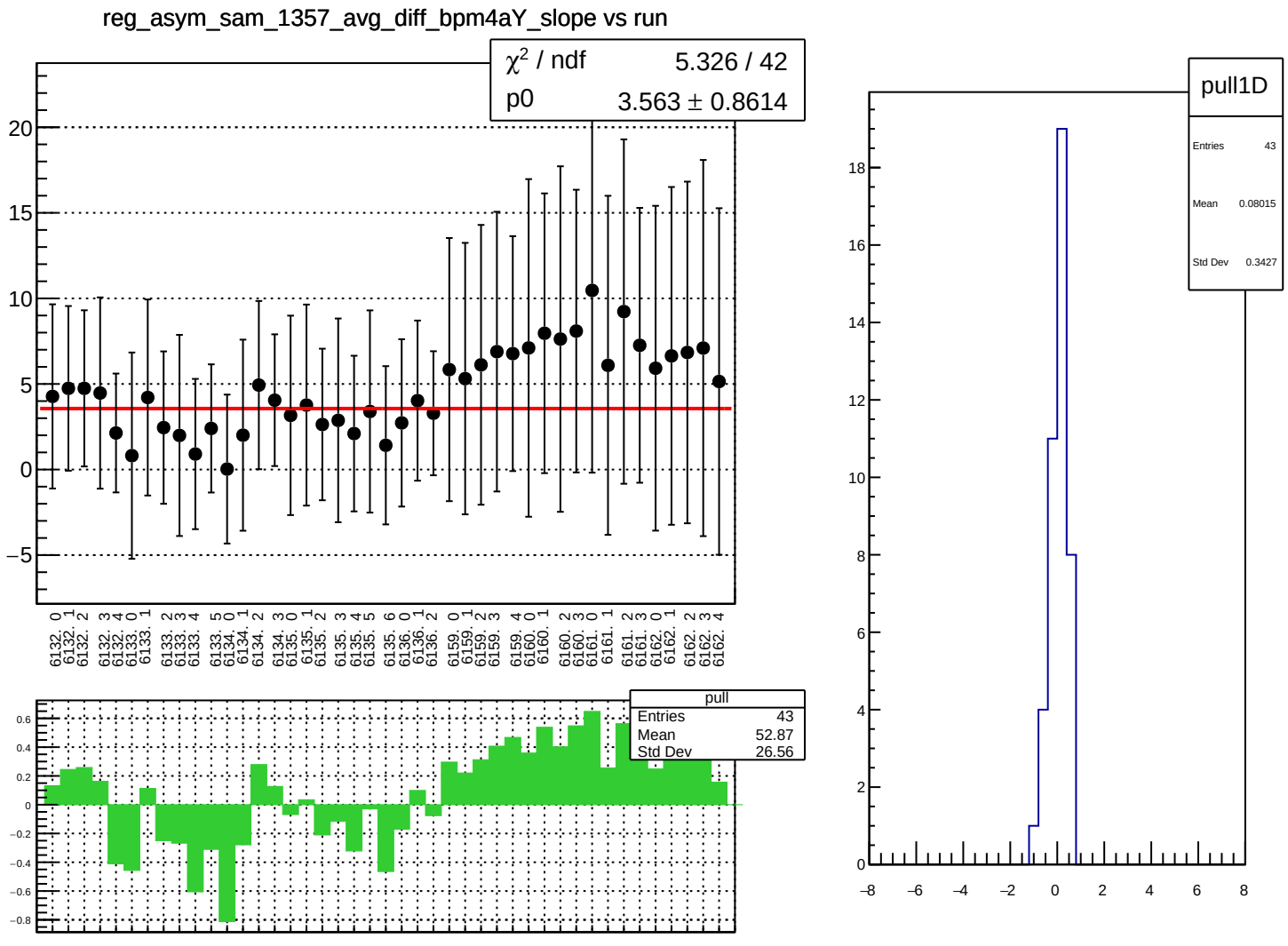

pull1D
Entries 43
Mean 0.01102
Std Dev 0.2225

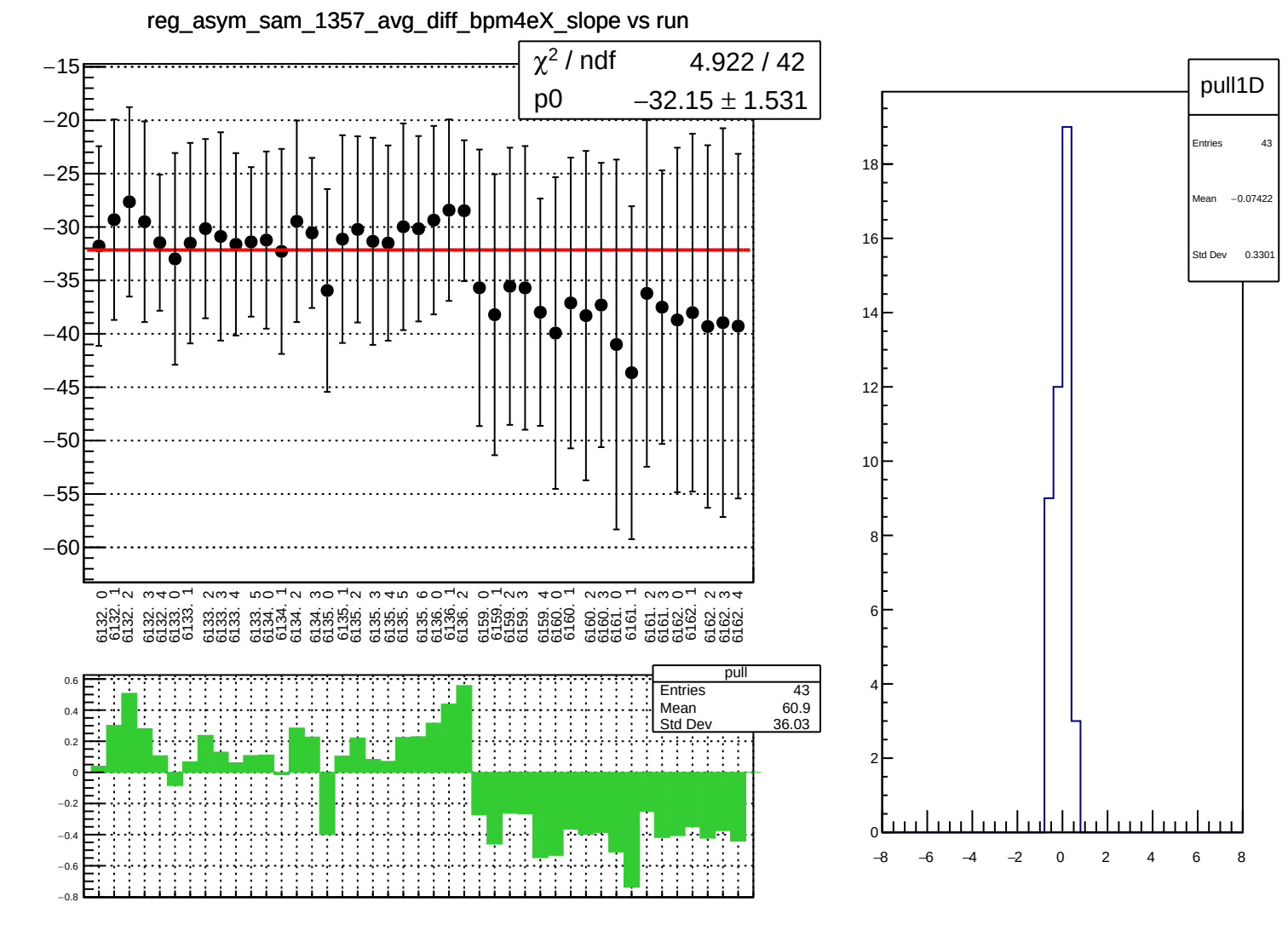

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.7 / 42
p0 −109.1± 1.137
−90
−95
−100
−105
−110
−115
−120
−125
−130
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 94.46
Std Dev 69.02
1
0.5
0
−0.5
−1

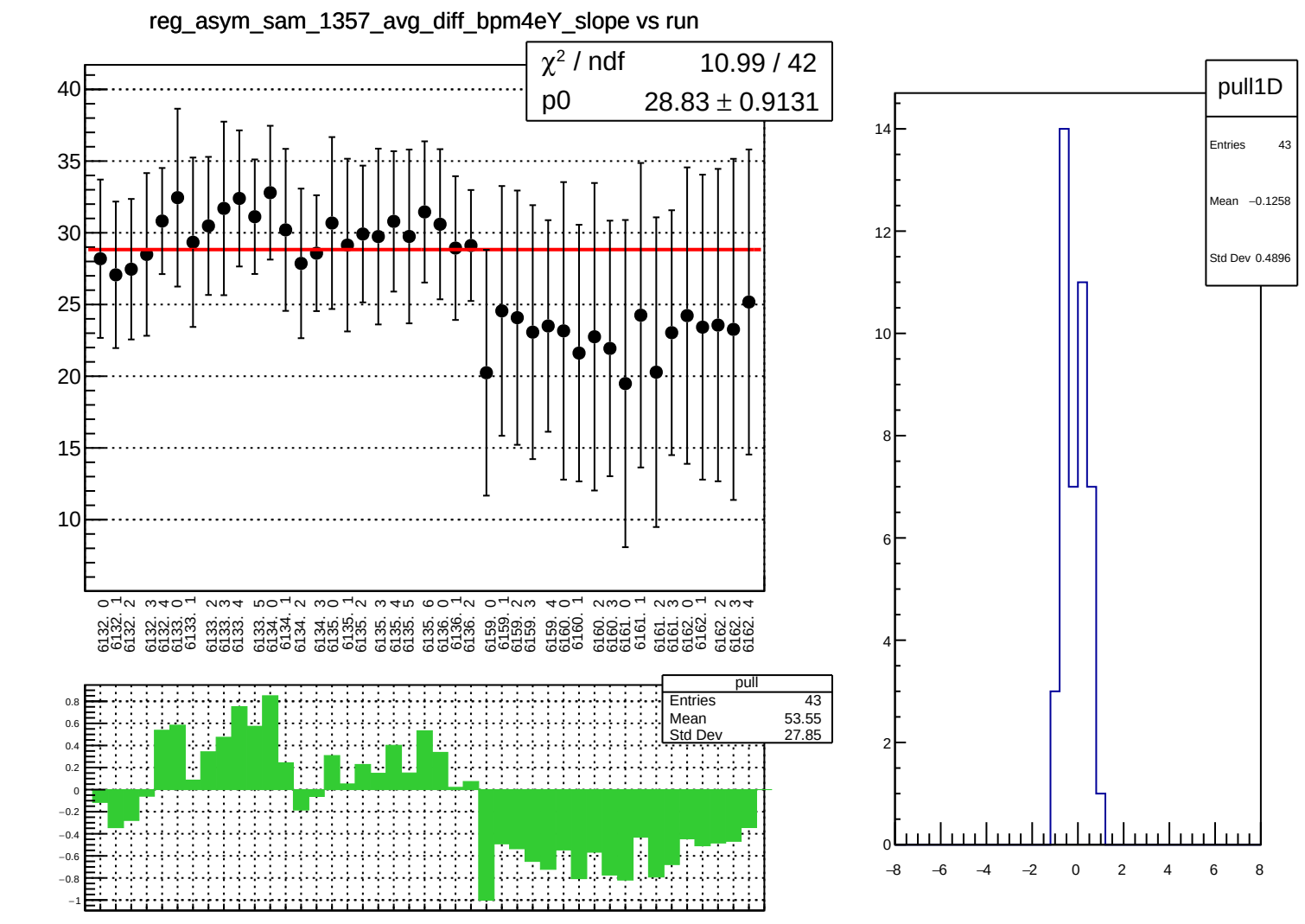

pull1D
Entries 43
Mean −0.05328
Std Dev 0.5409
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

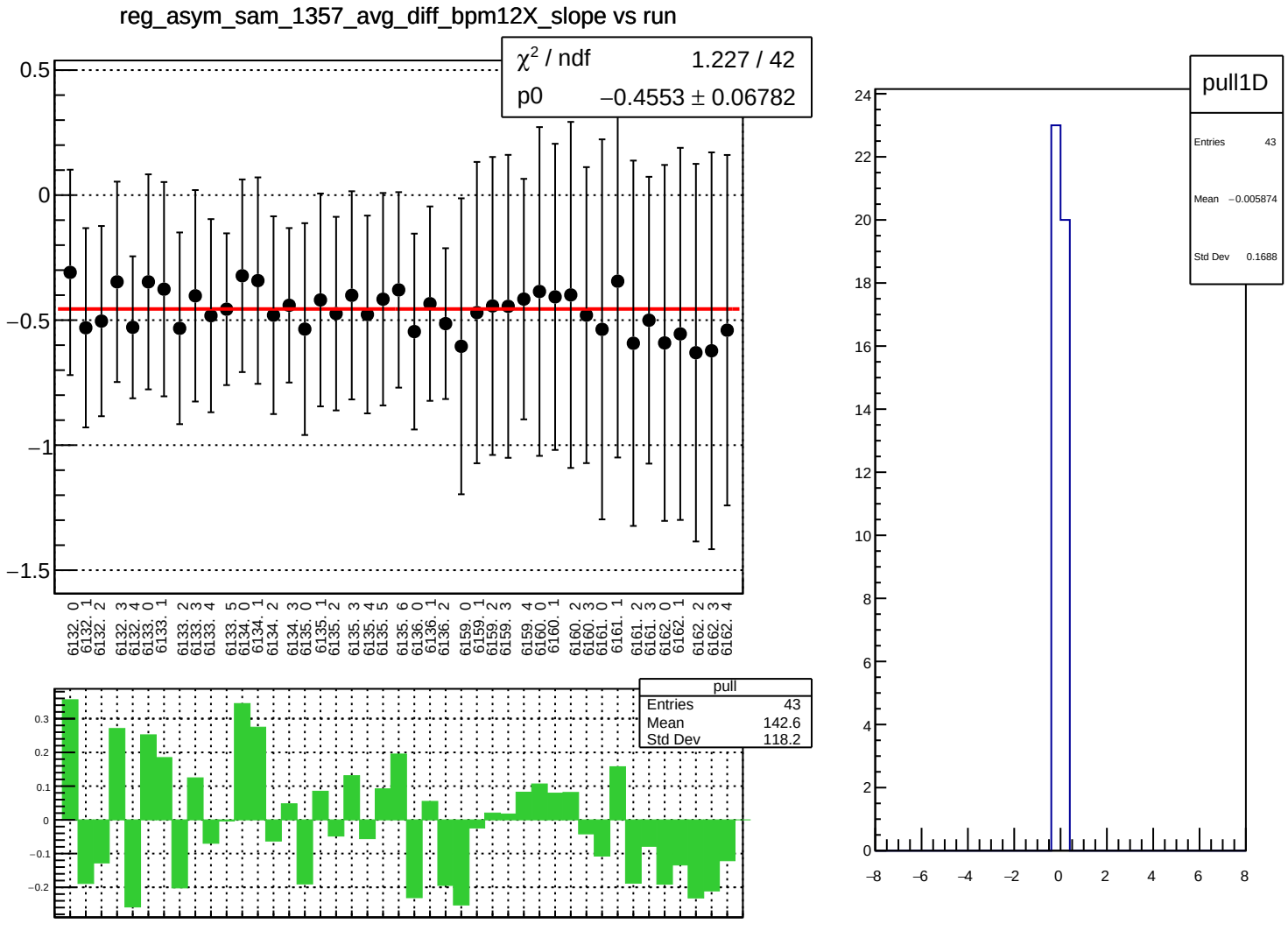

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 10.93 / 42
p0 0.3209 ± 0.08259
pull
Entries 43
Mean 130.2
Std Dev 105.4
pull1D
Entries 43
Mean −0.04234
Std Dev 0.5023

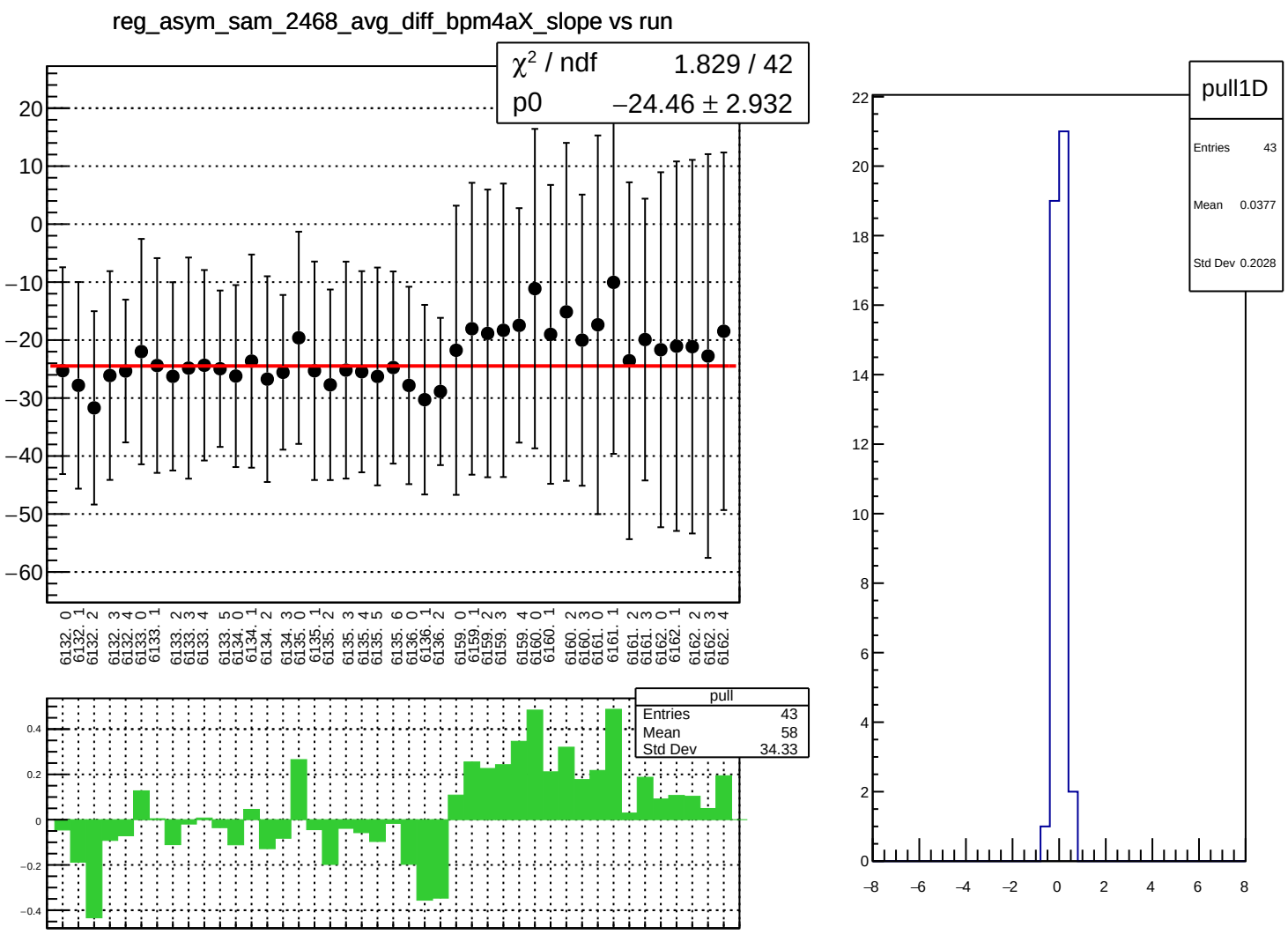

reg_asym_sam_1357_avg_diff_bpm4aX_slope vs run
χ² / ndf 4.202 / 42
p0 −9.473 ± 1.315
pull
Entries 43
Mean 62.47
Std Dev 37.99
pull1D
Entries 43
Mean 0.06728
Std Dev 0.3053

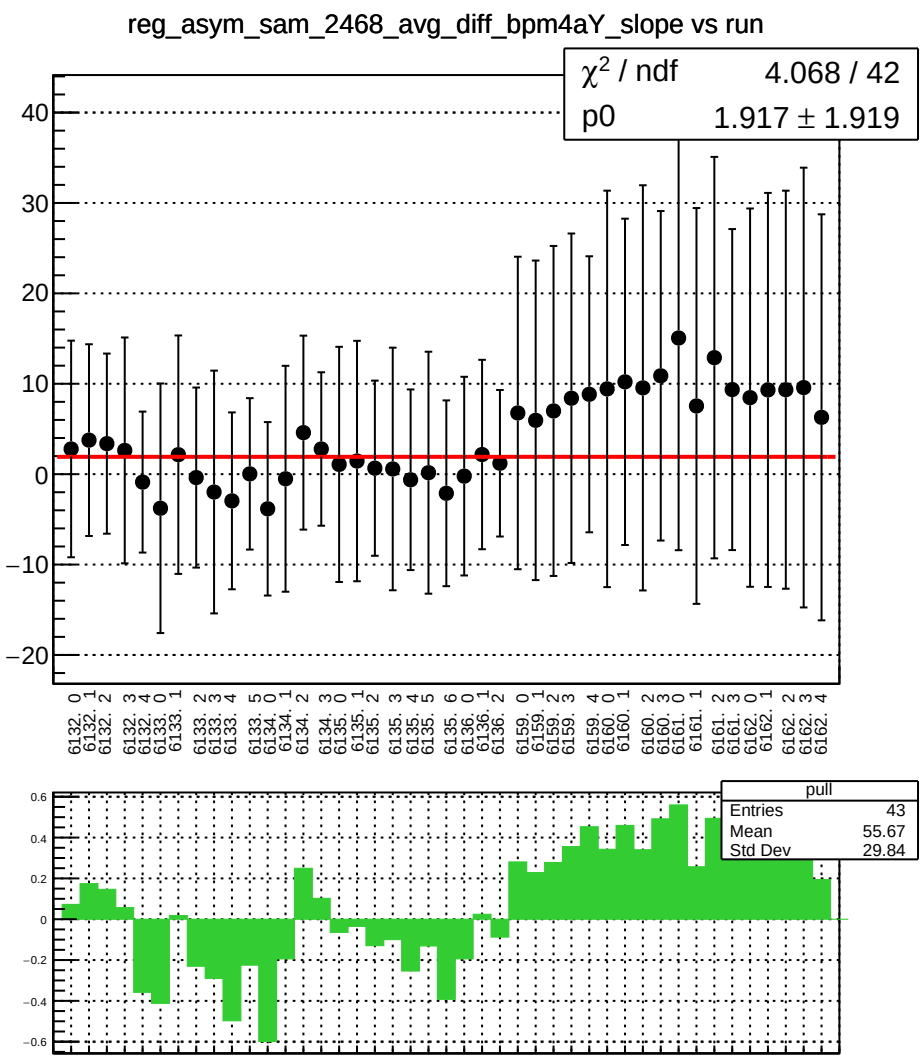

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.326 / 42
p0 3.563 ± 0.8614
pull
Entries 43
Mean 52.87
Std Dev 26.56
pull1D
Entries 43
Mean 0.08015
Std Dev 0.3427

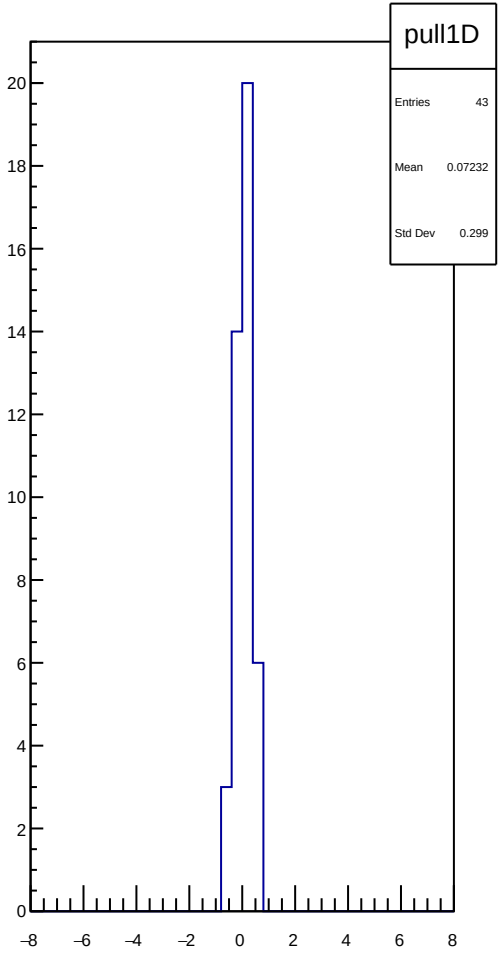

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 4.922 / 42
p0 −32.15 ± 1.531
pull
Entries 43
Mean 60.9
Std Dev 36.03
pull1D
Entries 43
Mean −0.07422
Std Dev 0.3301

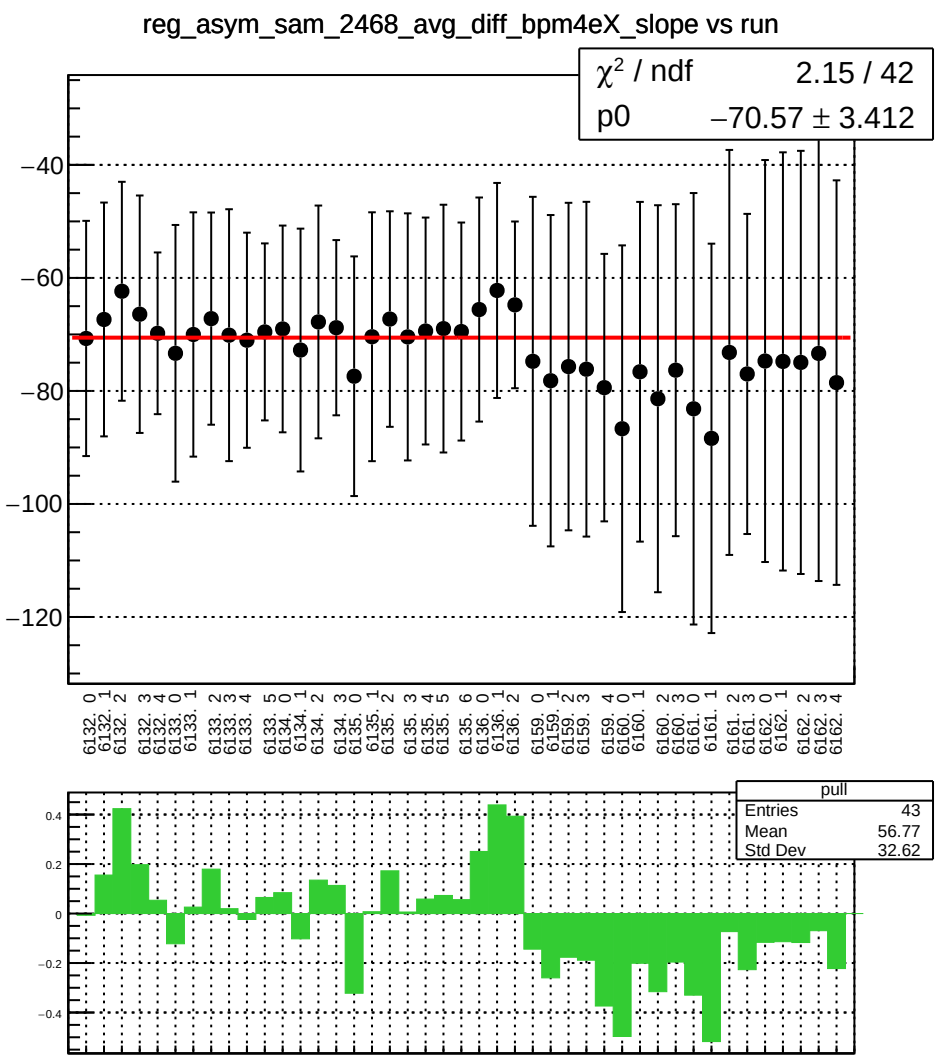

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.99 / 42
p0 28.83 ± 0.9131
40
35
30
25
20
15
10
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 53.55
Std Dev 27.85
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 43
Mean −0.1258
Std Dev 0.4896
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

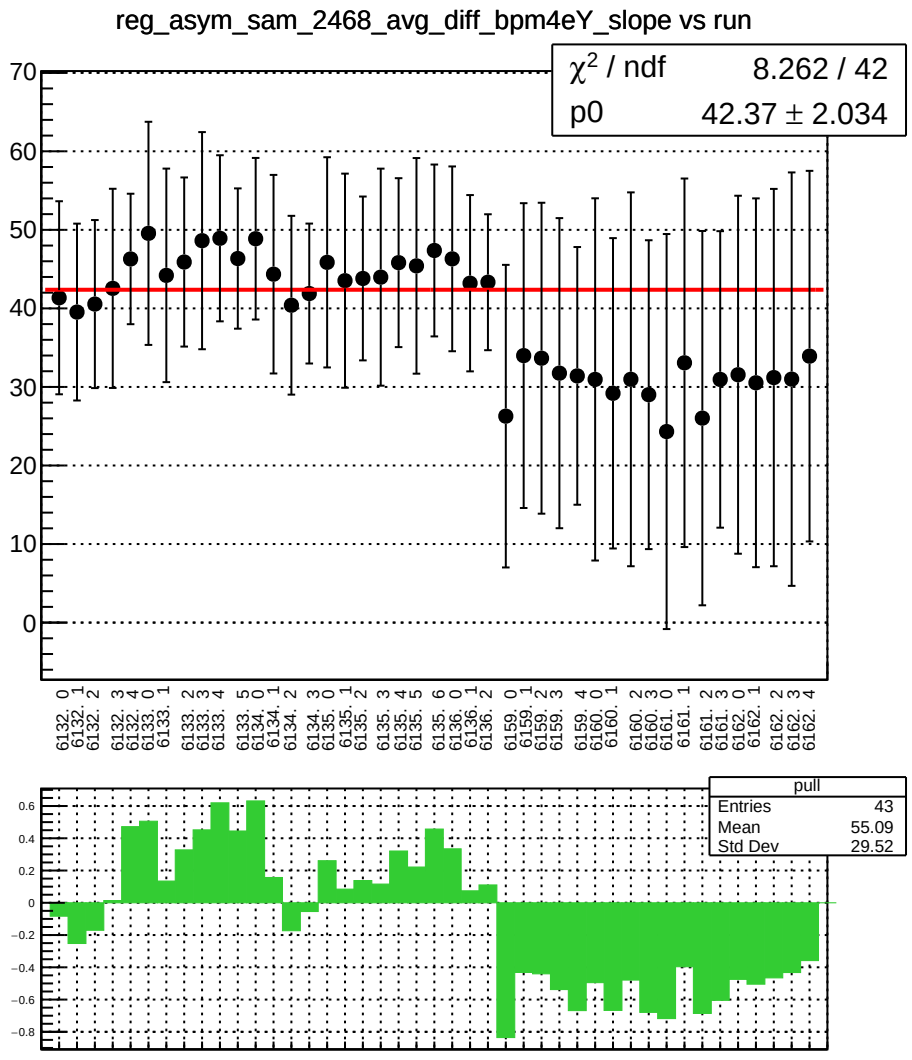

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 1.227 / 42
p0 −0.4553 ± 0.06782
0.5
0
−0.5
−1
−1.5
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 142.6
Std Dev 118.2
0.3
0.2
0.1
0
−0.1
−0.2
pull1D
Entries 43
Mean −0.005874
Std Dev 0.1688
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

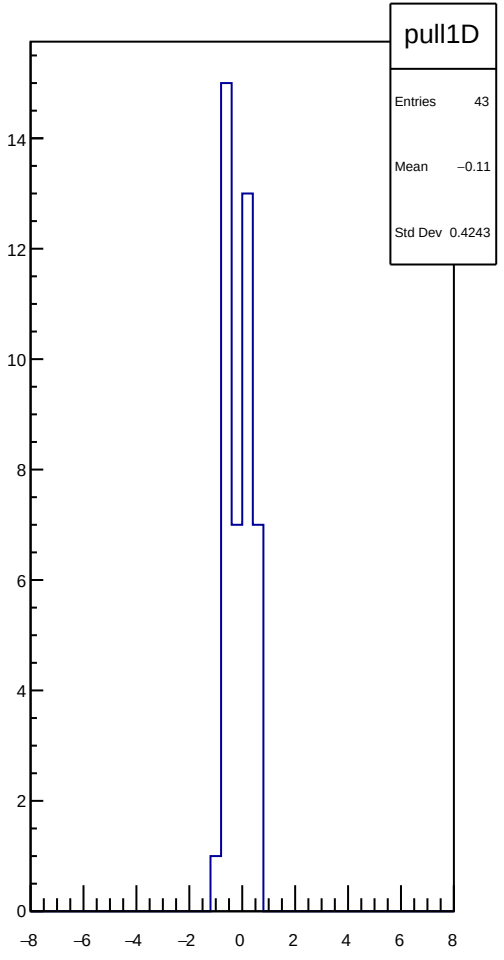

reg_asym_sam_2468_avg_diff_bpm4aX_slope vs run
χ² / ndf 1.829 / 42
p0 −24.46 ± 2.932
pull
Entries 43
Mean 58
Std Dev 34.33
pull1D
Entries 43
Mean 0.0377
Std Dev 0.2028

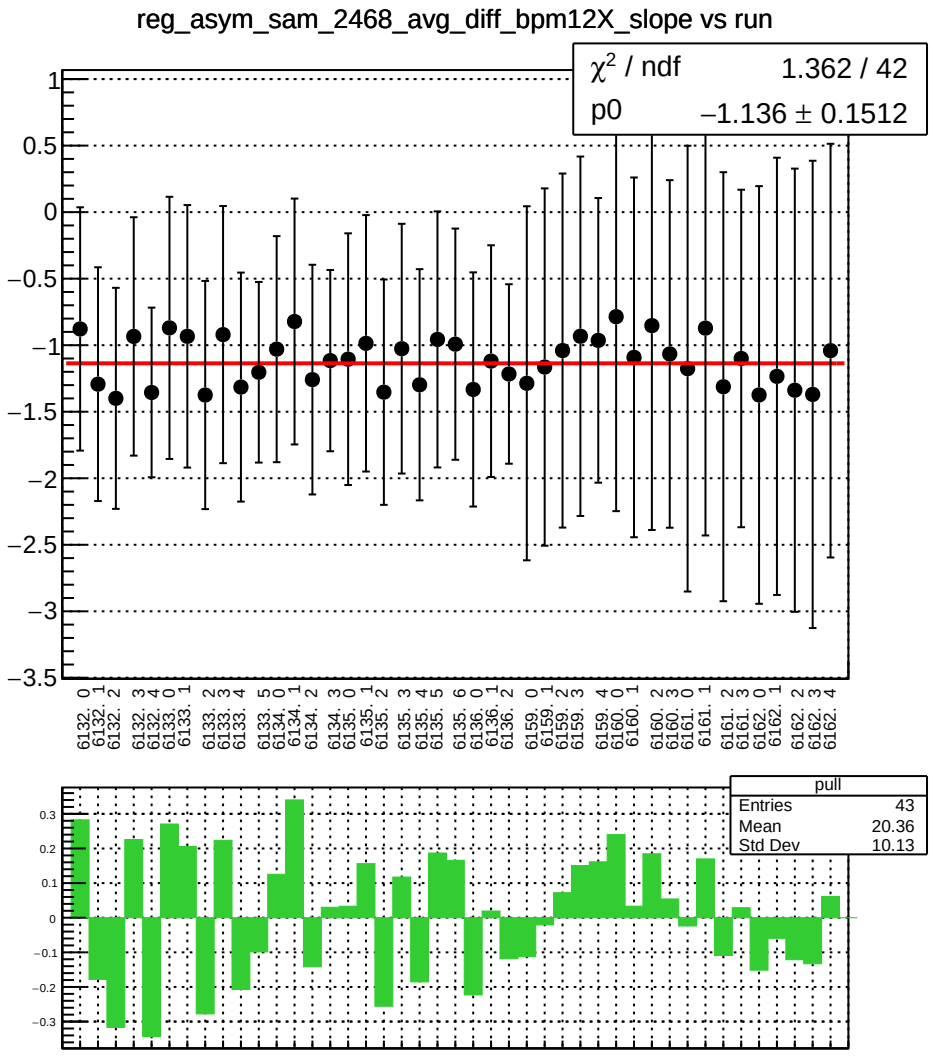

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.068 / 42
p0 1.917 ± 1.919
pull
Entries 43
Mean 55.67
Std Dev 29.84

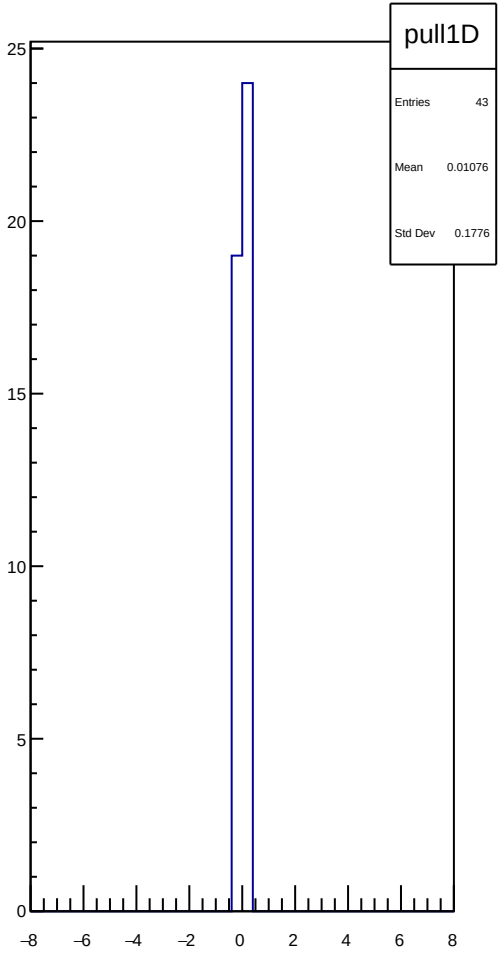

pull1D
Entries 43
Mean 0.07232
Std Dev 0.299

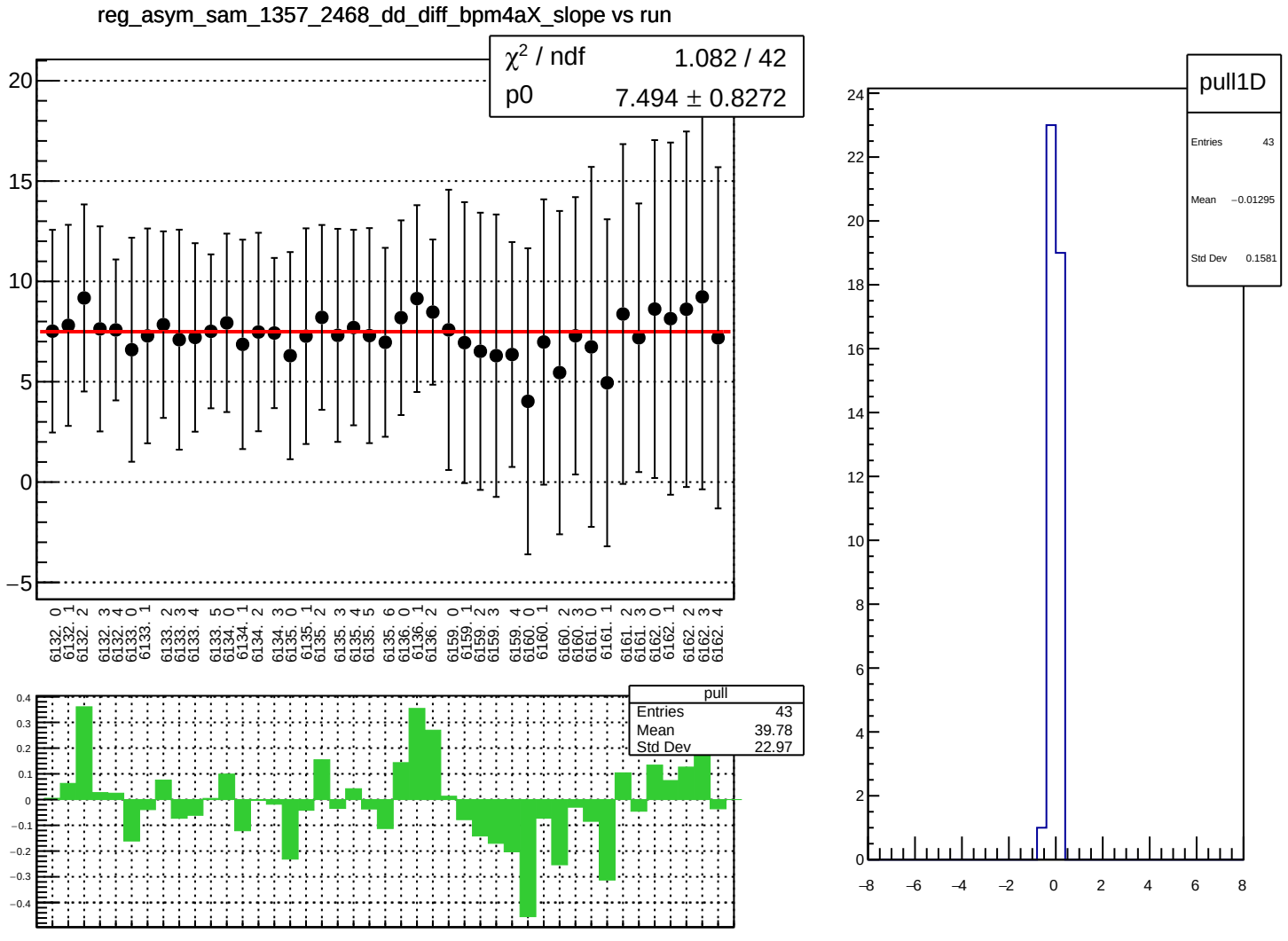

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.15 / 42
p0 −70.57 ± 3.412
−40
−60
−80
−100
−120
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 56.77
Std Dev 32.62
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 43
Mean −0.042
Std Dev 0.2196
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

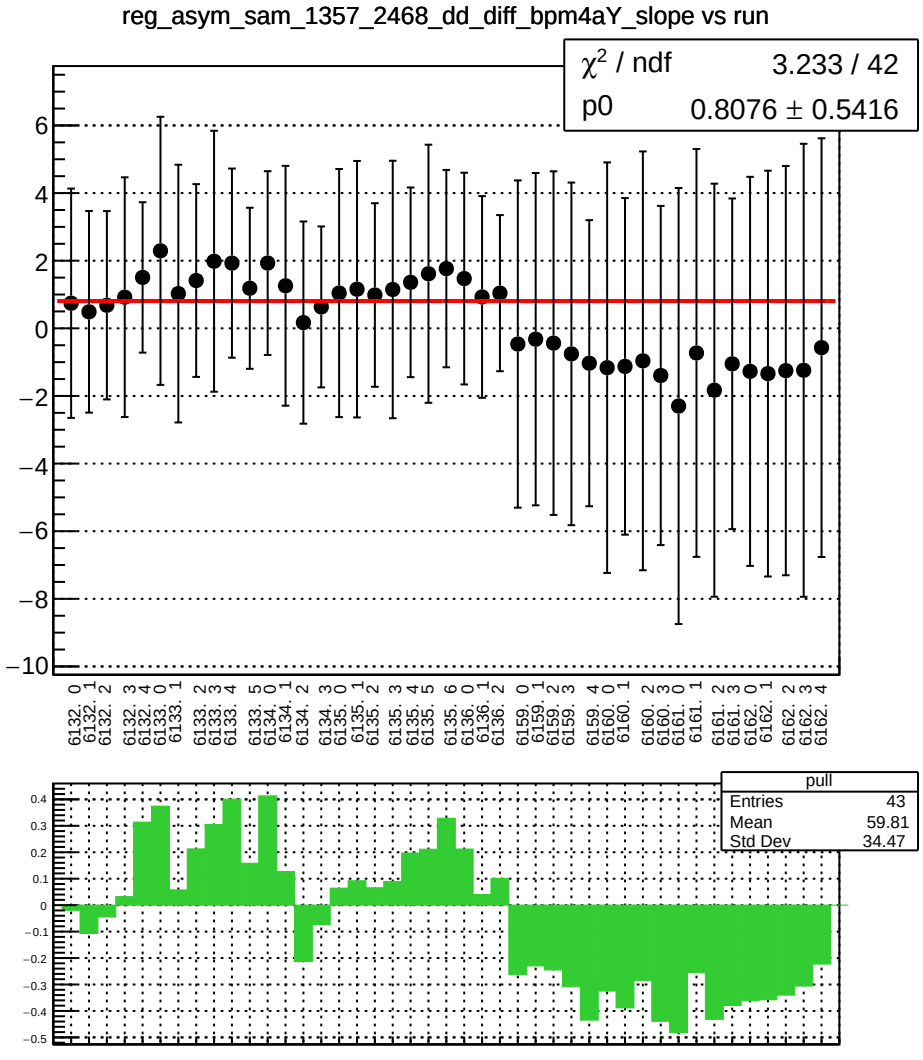

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.262 / 42
p0 42.37 ± 2.034
pull
Entries 43
Mean 55.09
Std Dev 29.52

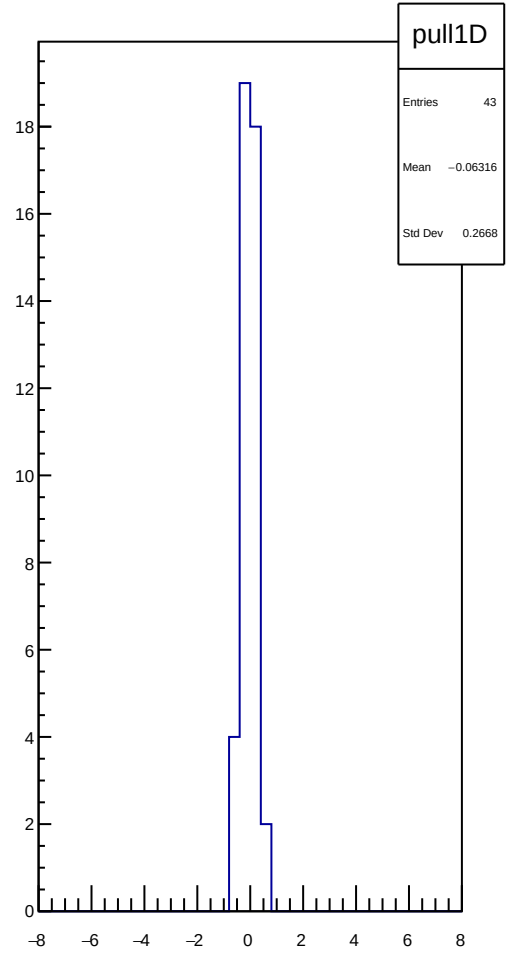

pull1D
Entries 43
Mean −0.11
Std Dev 0.4243

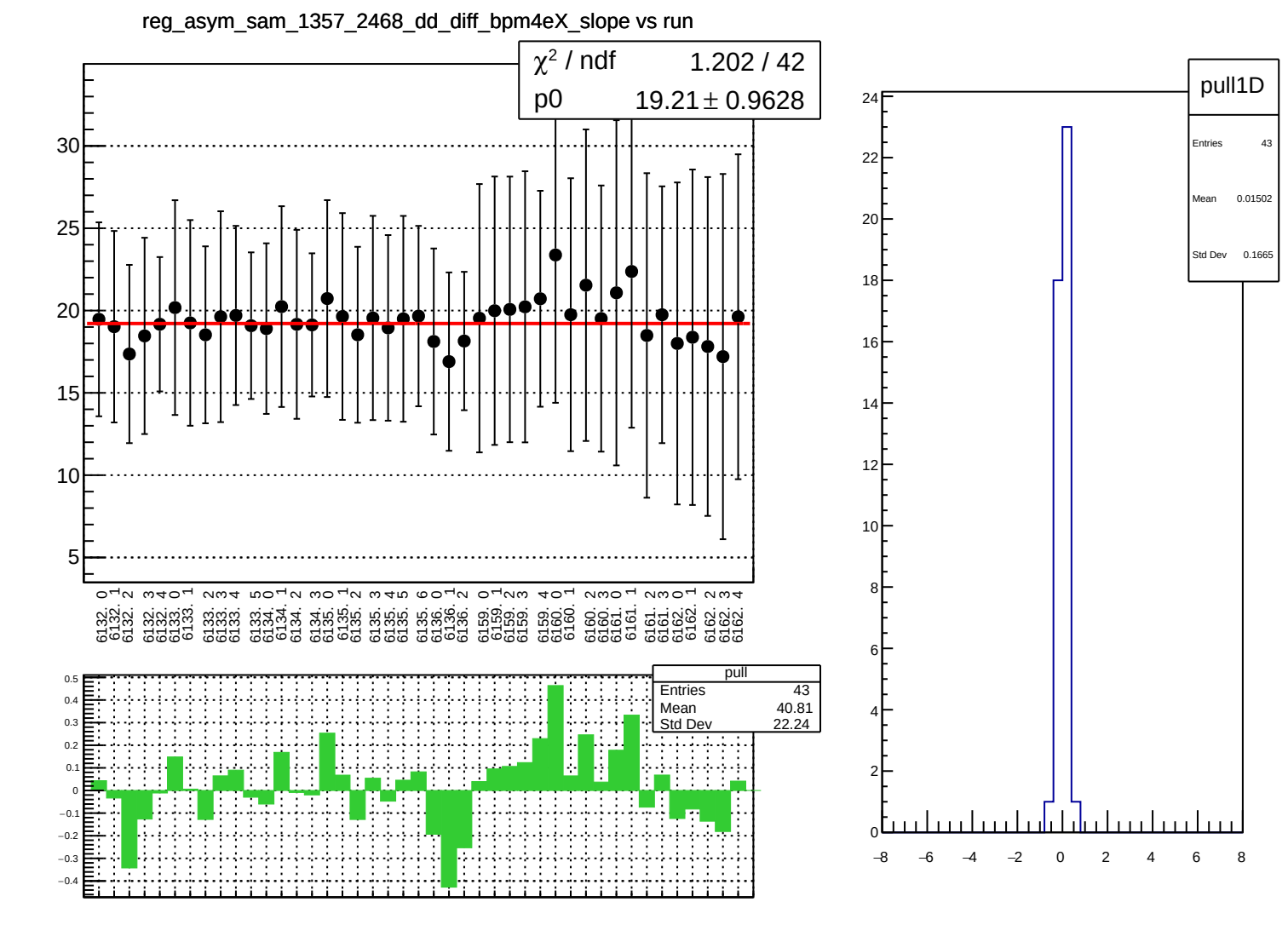

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 1.362 / 42
p0 −1.136 ± 0.1512
pull
Entries 43
Mean 20.36
Std Dev 10.13

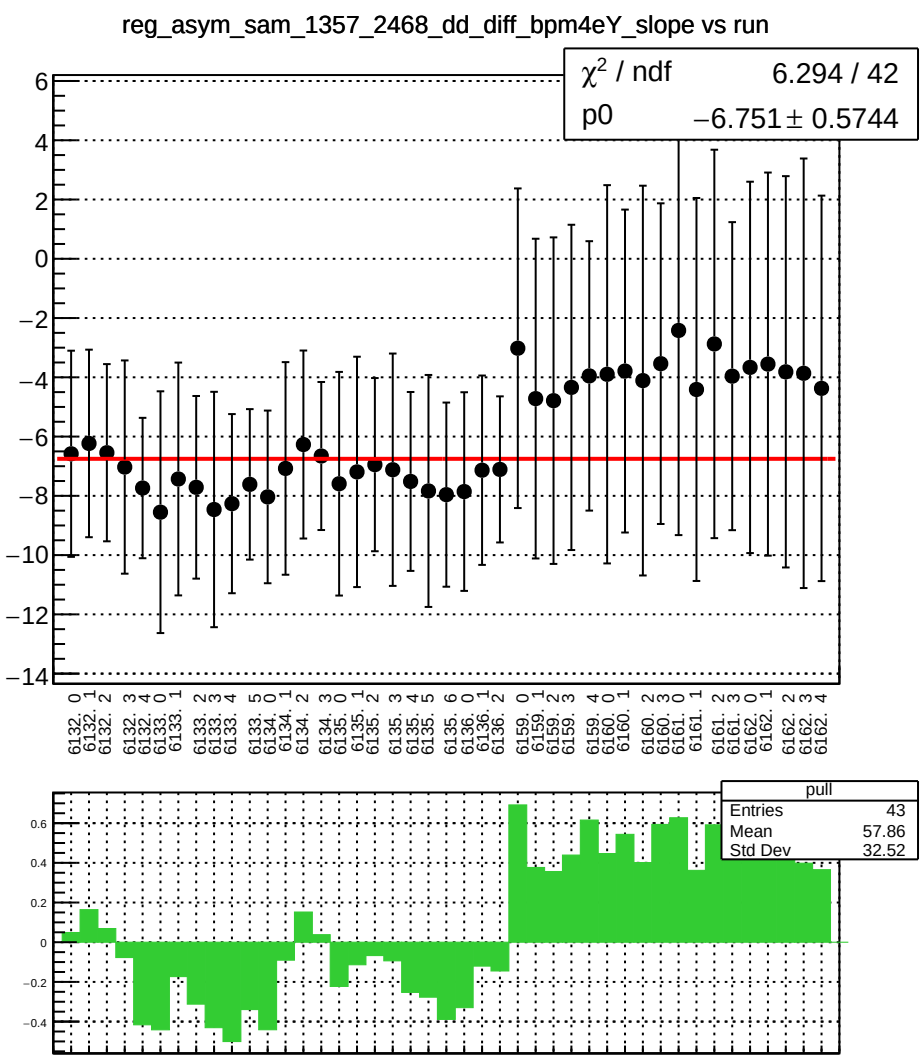

pull1D
Entries 43
Mean 0.01076
Std Dev 0.1776

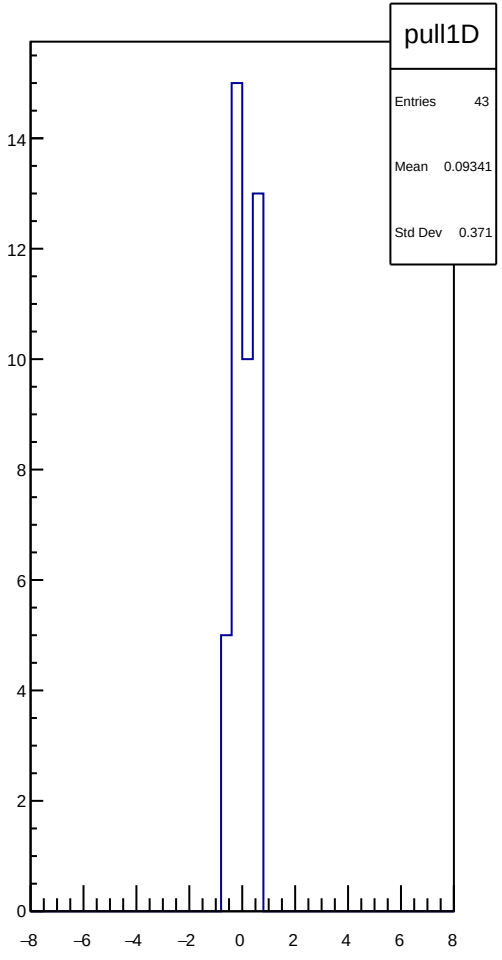

reg_asym_sam_1357_2468_dd_diff_bpm4aX_slope vs run
χ² / ndf 1.082 / 42
p0 7.494 ± 0.8272
pull
Entries 43
Mean 39.78
Std Dev 22.97
pull1D
Entries 43
Mean −0.01295
Std Dev 0.1581

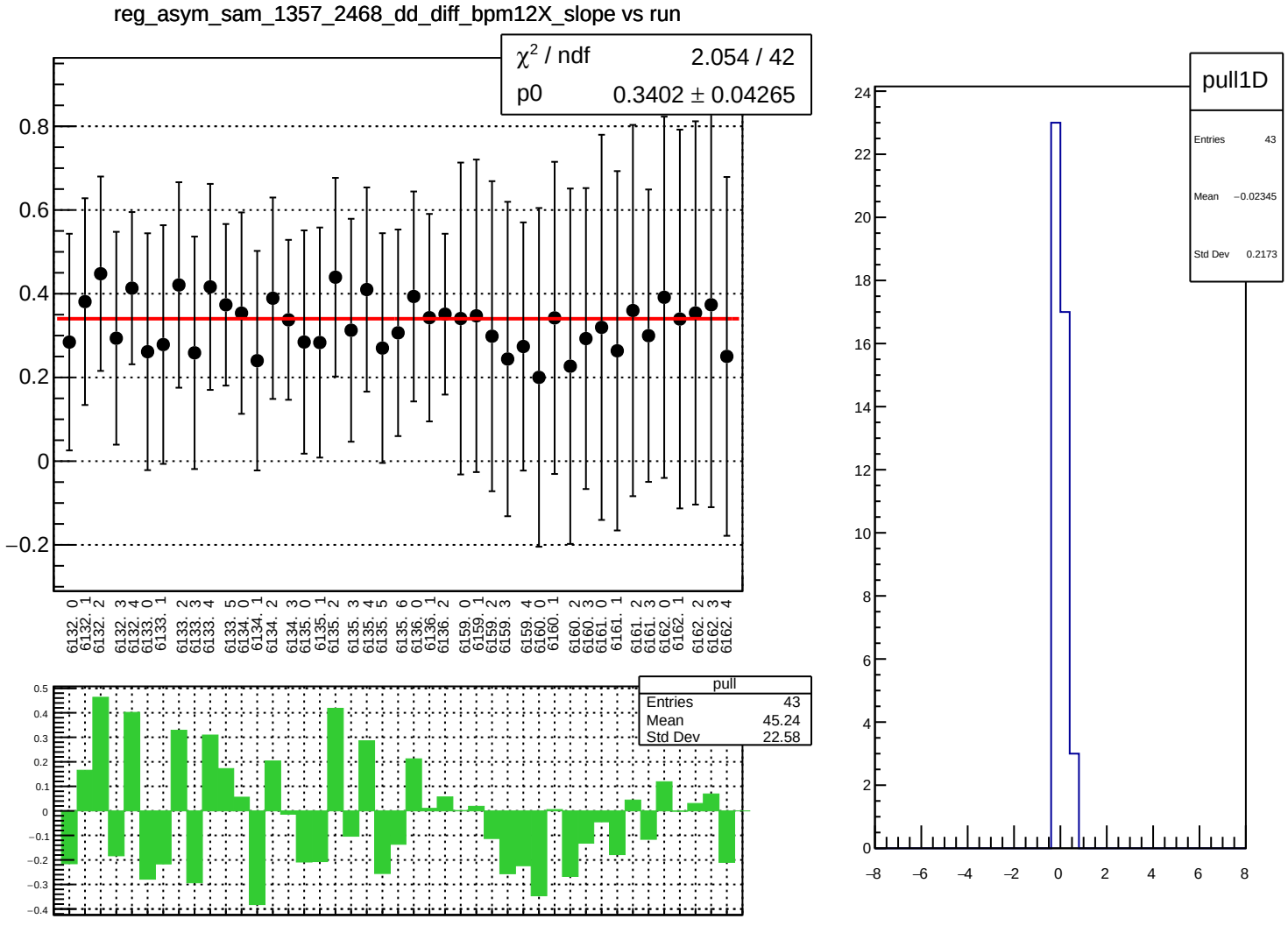

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.233 / 42
p0 0.8076 ± 0.5416
pull
Entries 43
Mean 59.81
Std Dev 34.47

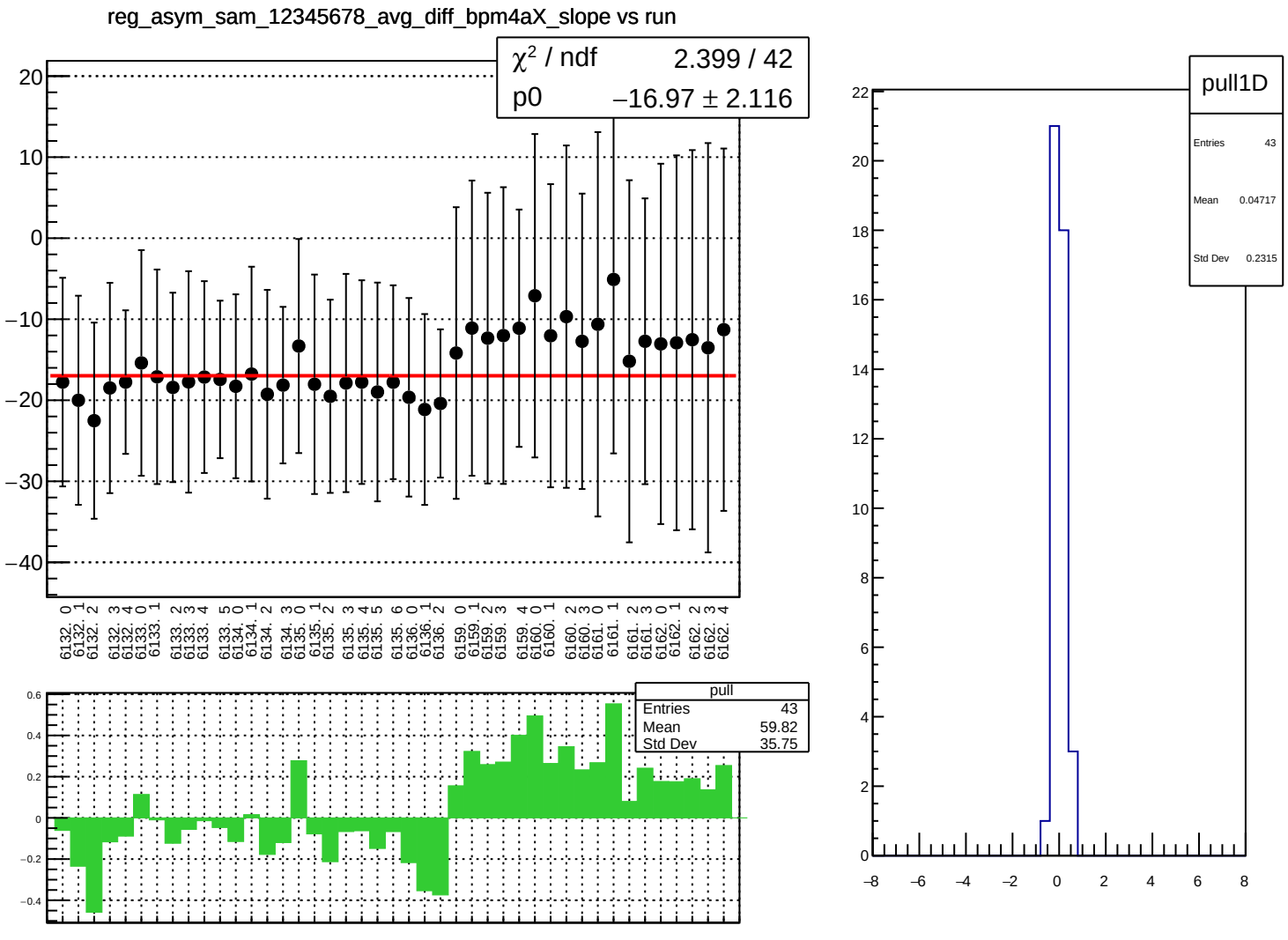

pull1D
Entries 43
Mean −0.06316
Std Dev 0.2668

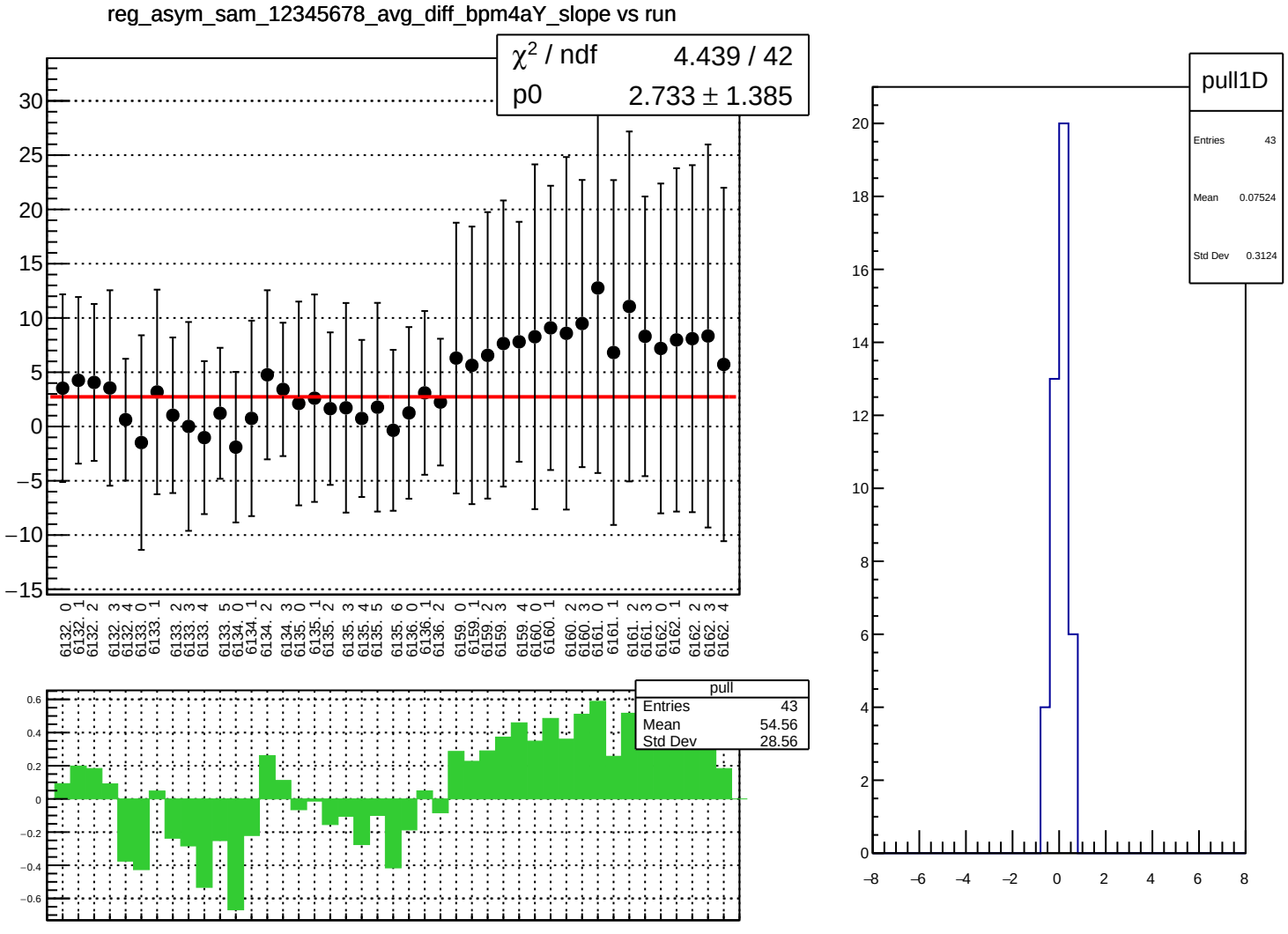

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.202 / 42
p0 19.21 ± 0.9628
pull
Entries 43
Mean 40.81
Std Dev 22.24
pull1D
Entries 43
Mean 0.01502
Std Dev 0.1665

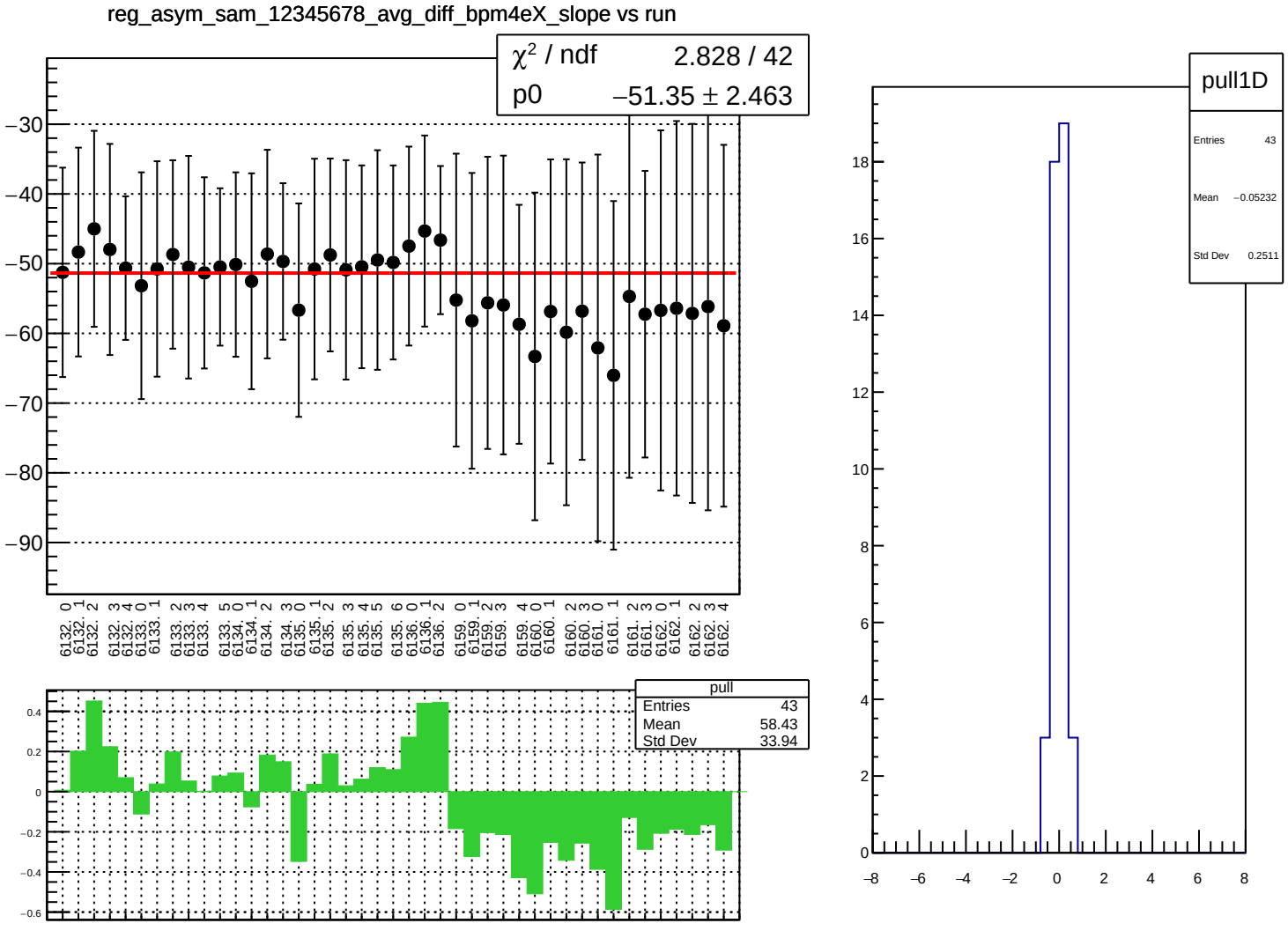

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.294 / 42
p0 −6.751 ± 0.5744
pull
Entries 43
Mean 57.86
Std Dev 32.52

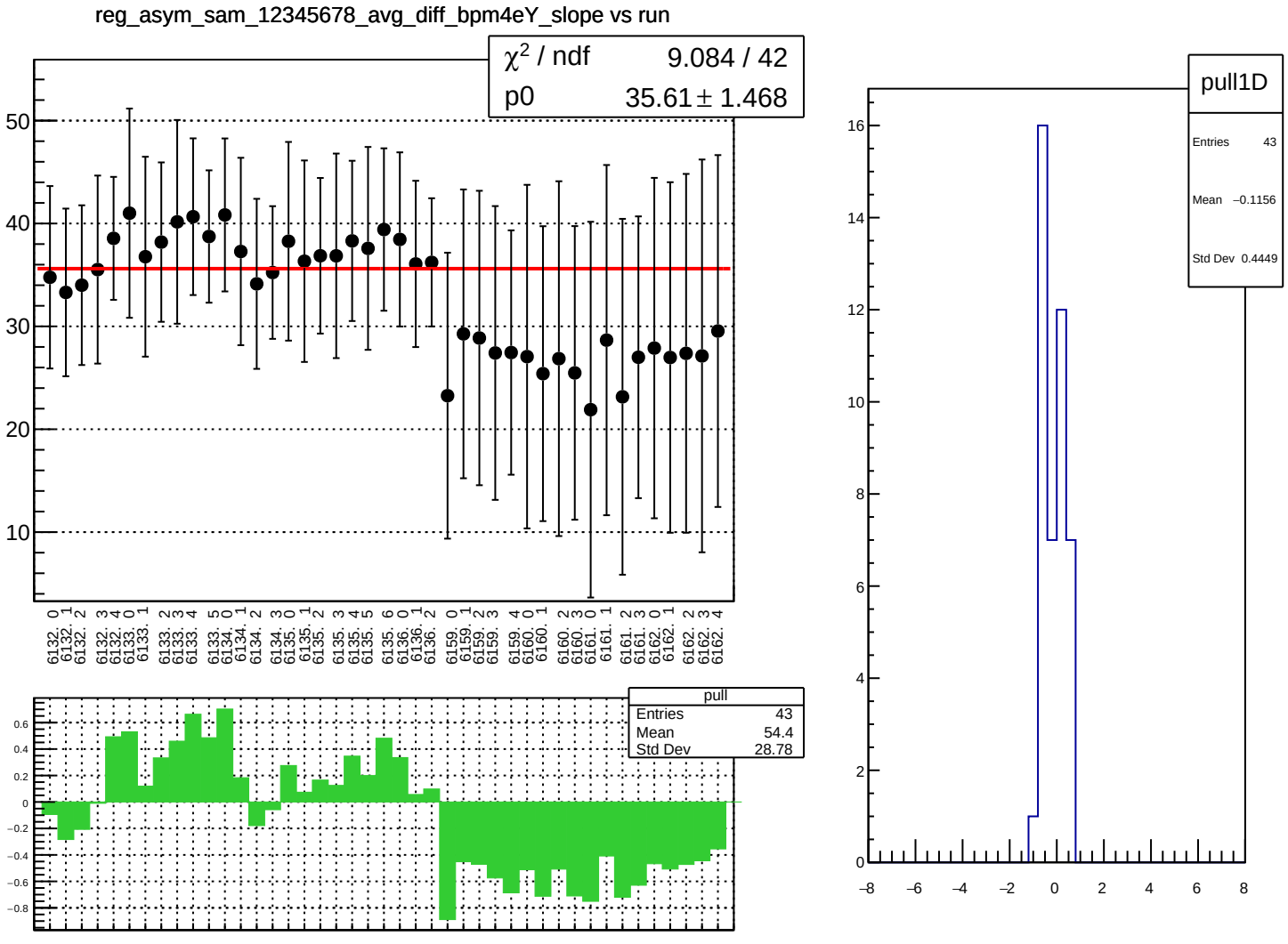

pull1D
Entries 43
Mean 0.09341
Std Dev 0.371

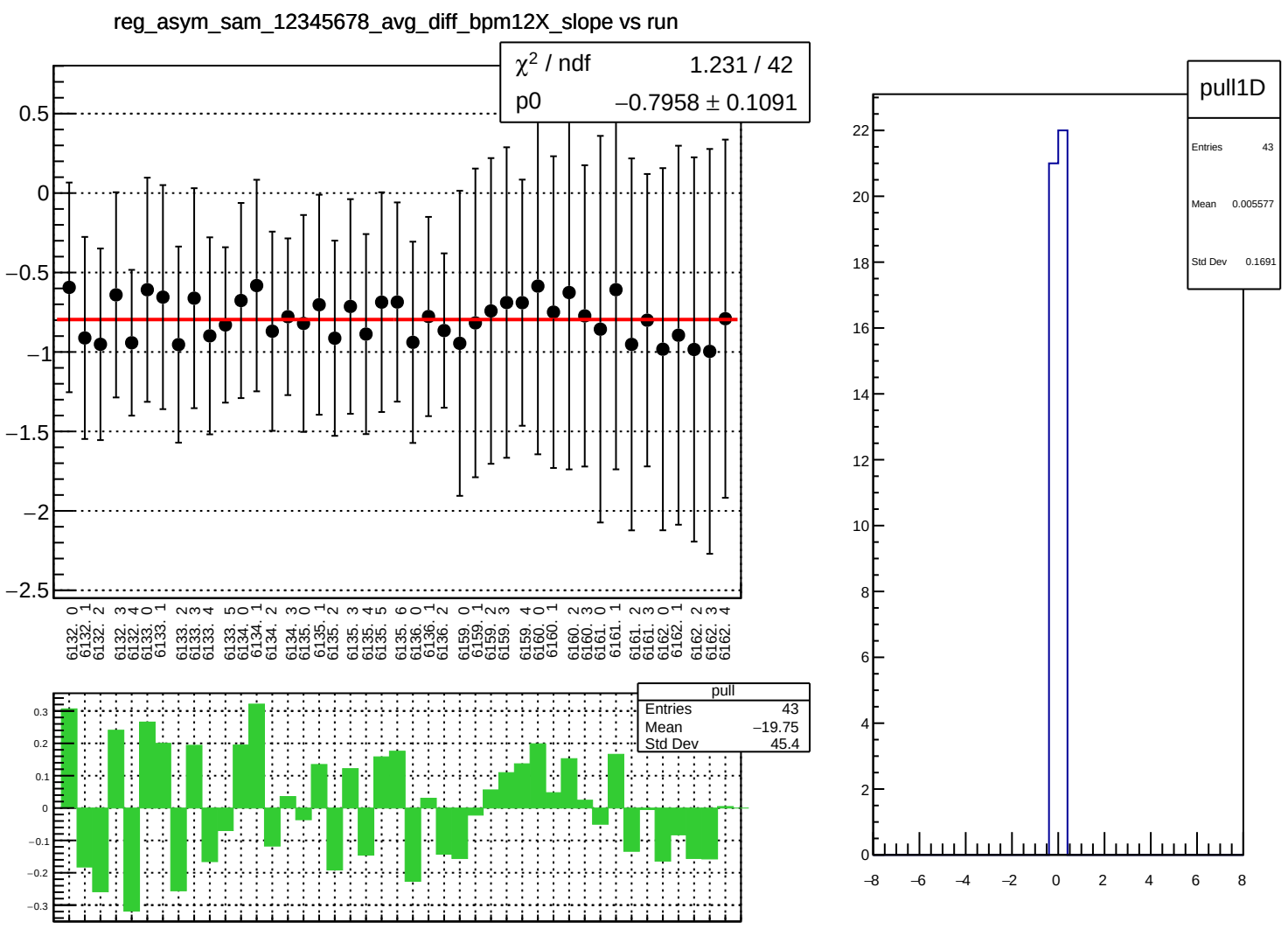

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 2.054 / 42
p0 0.3402 ± 0.04265
pull
Entries 43
Mean 45.24
Std Dev 22.58
pull1D
Entries 43
Mean −0.02345
Std Dev 0.2173

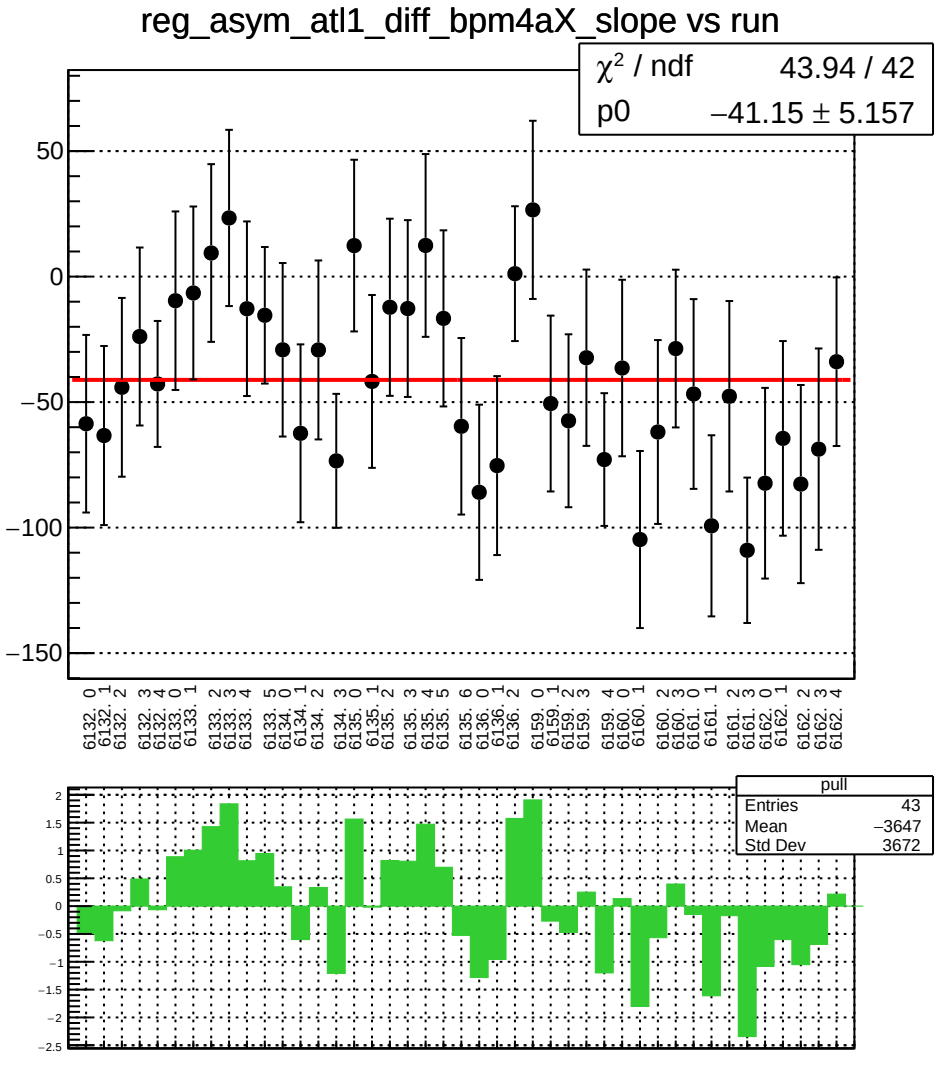

reg_asym_sam_12345678_avg_diff_bpm4aX_slope vs run
χ² / ndf 2.399 / 42
p0 −16.97 ± 2.116
pull
Entries 43
Mean 59.82
Std Dev 35.75
pull1D
Entries 43
Mean 0.04717
Std Dev 0.2315

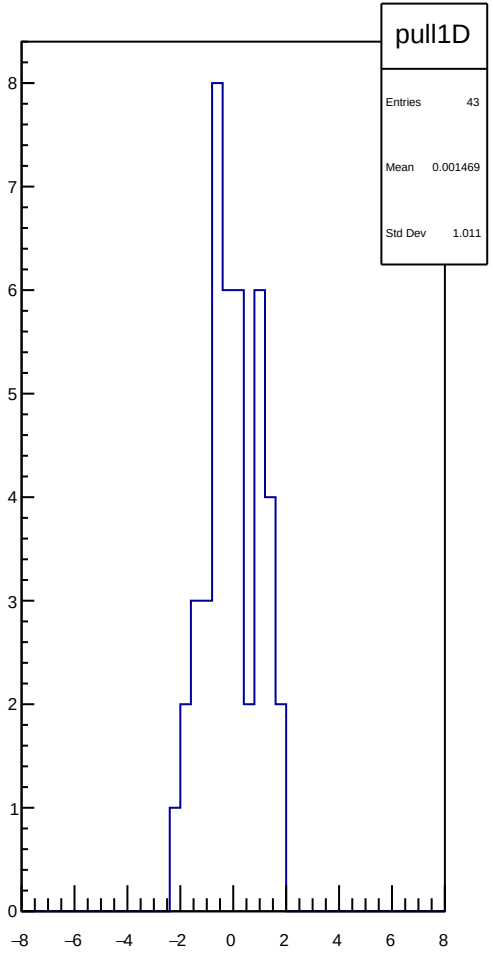

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.439 / 42
p0 2.733 ± 1.385
pull
Entries 43
Mean 54.56
Std Dev 28.56
pull1D
Entries 43
Mean 0.07524
Std Dev 0.3124

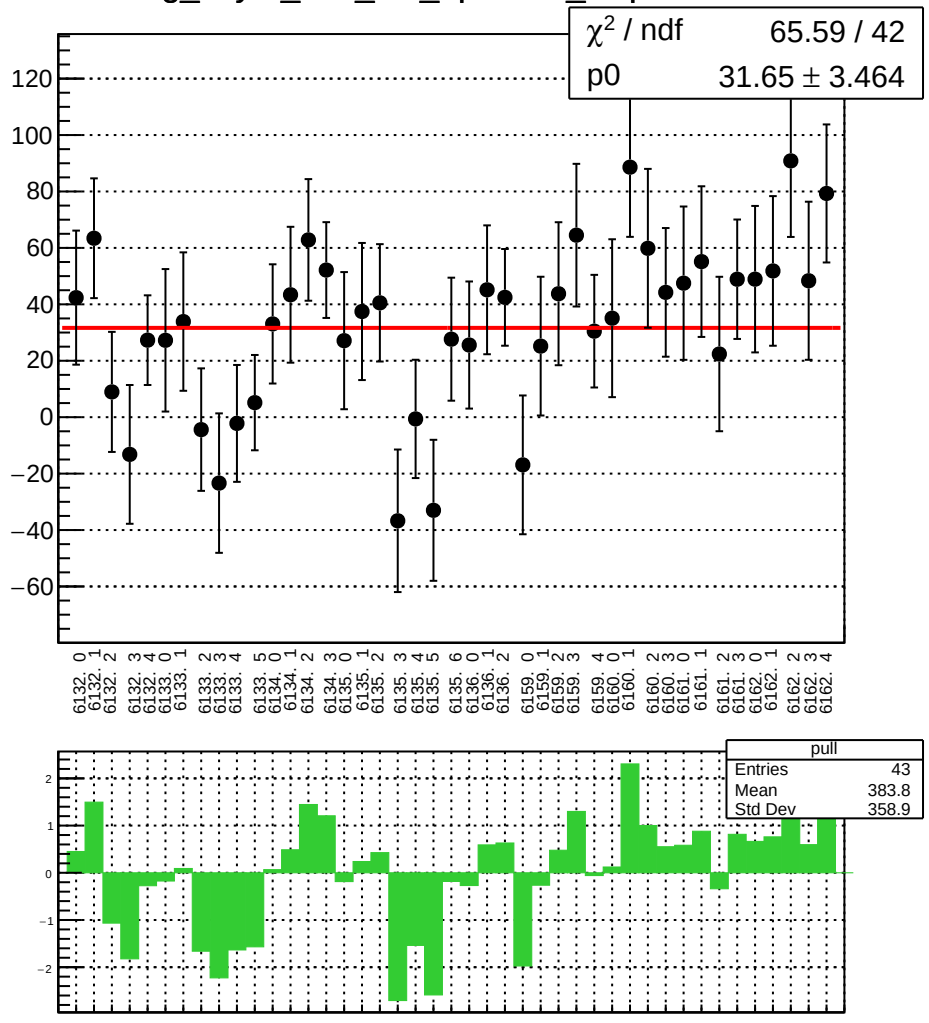

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.828 / 42
p0 −51.35 ± 2.463
pull
Entries 43
Mean 58.43
Std Dev 33.94
pull1D
Entries 43
Mean −0.05232
Std Dev 0.2511

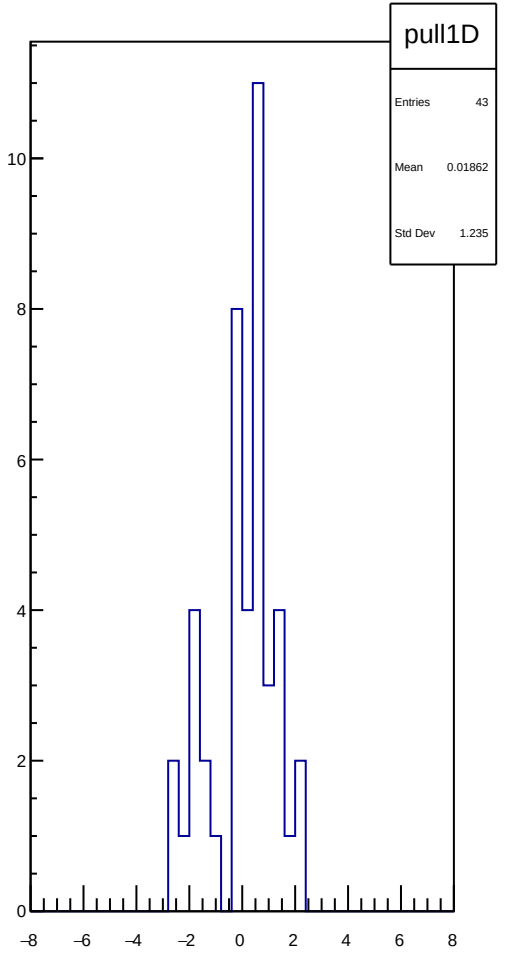

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.084 / 42
p0 35.61 ± 1.468
50
40
30
20
10
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 54.4
Std Dev 28.78
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 43
Mean −0.1156
Std Dev 0.4449
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

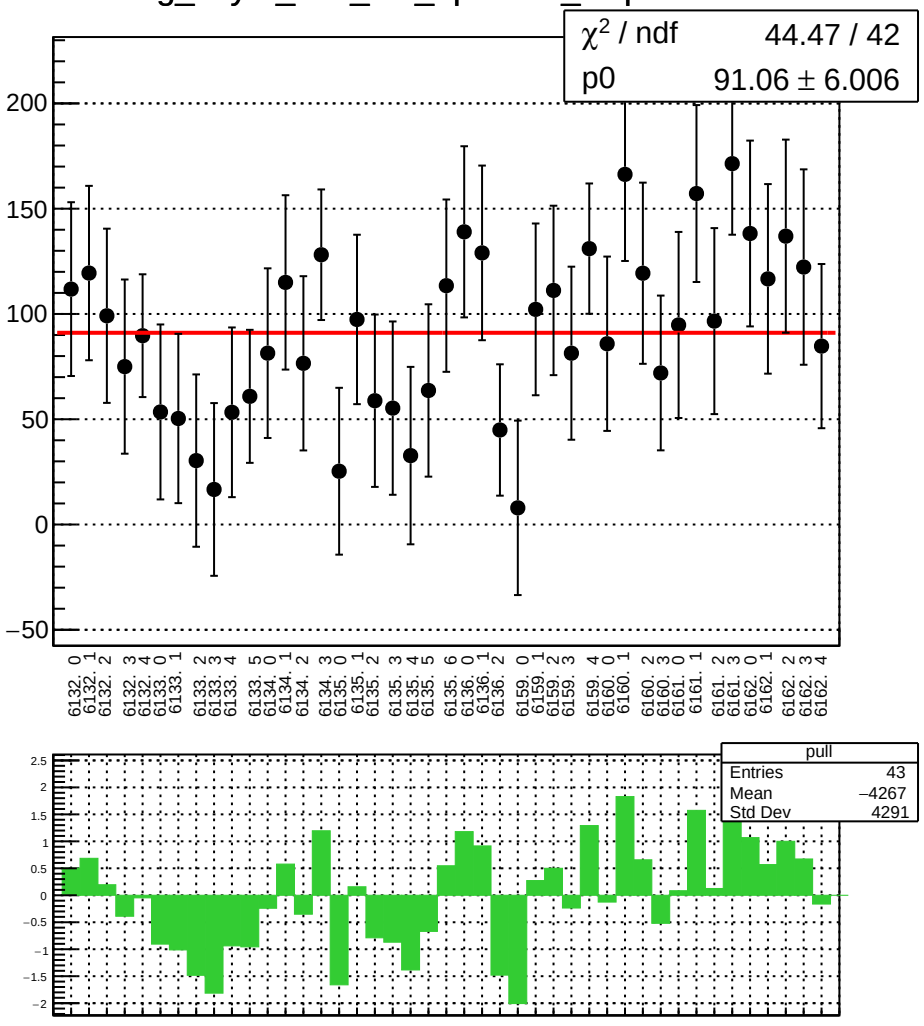

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 1.231 / 42
p0 −0.7958 ± 0.1091
0.5
0
−0.5
−1
−1.5
−2
−2.5
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −19.75
Std Dev 45.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 43
Mean 0.005577
Std Dev 0.1691
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

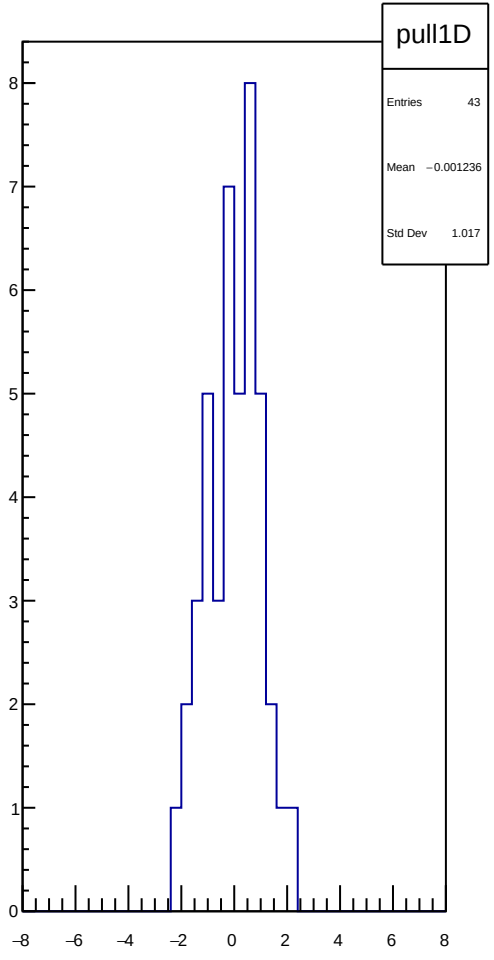

reg_asym_atl1_diff_bpm4aX_slope vs run
χ² / ndf 43.94 / 42
p0 −41.15 ± 5.157
50
0
−50
−100
−150
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −3647
Std Dev 3672
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

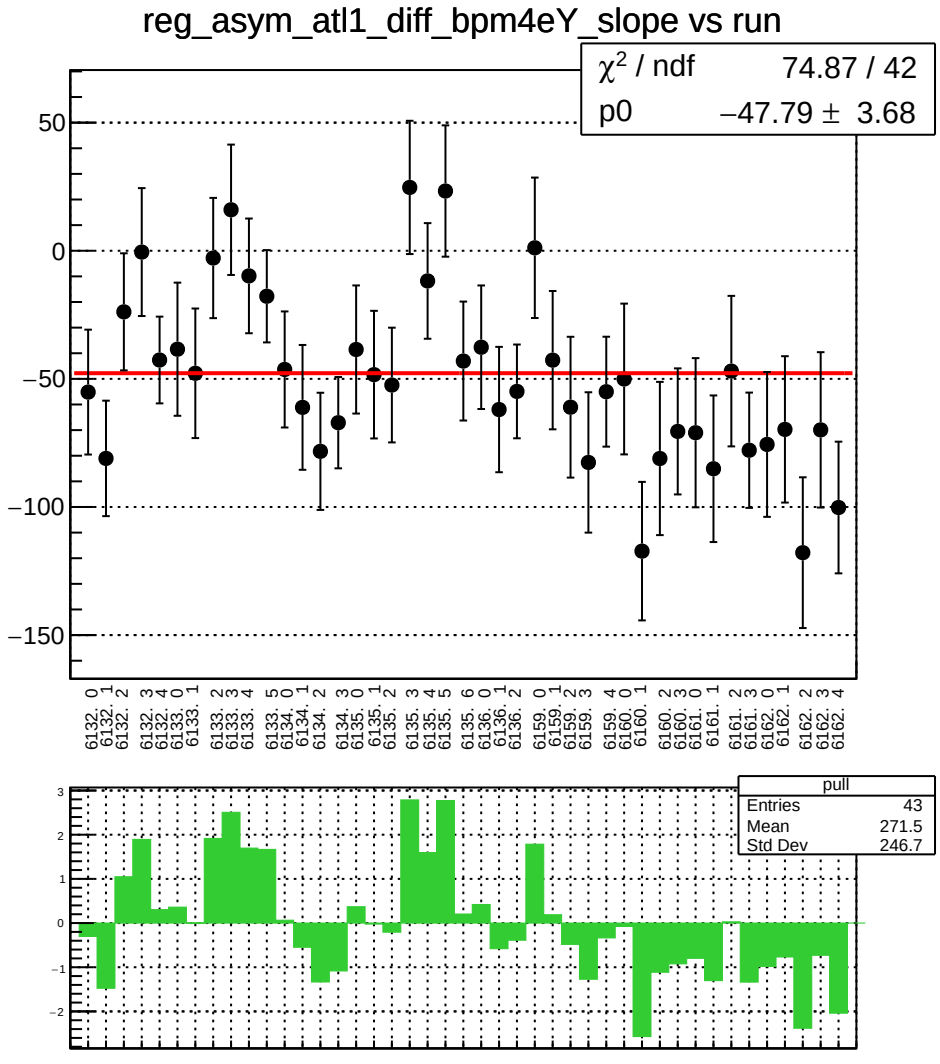

pull1D
Entries 43
Mean 0.001469
Std Dev 1.011
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

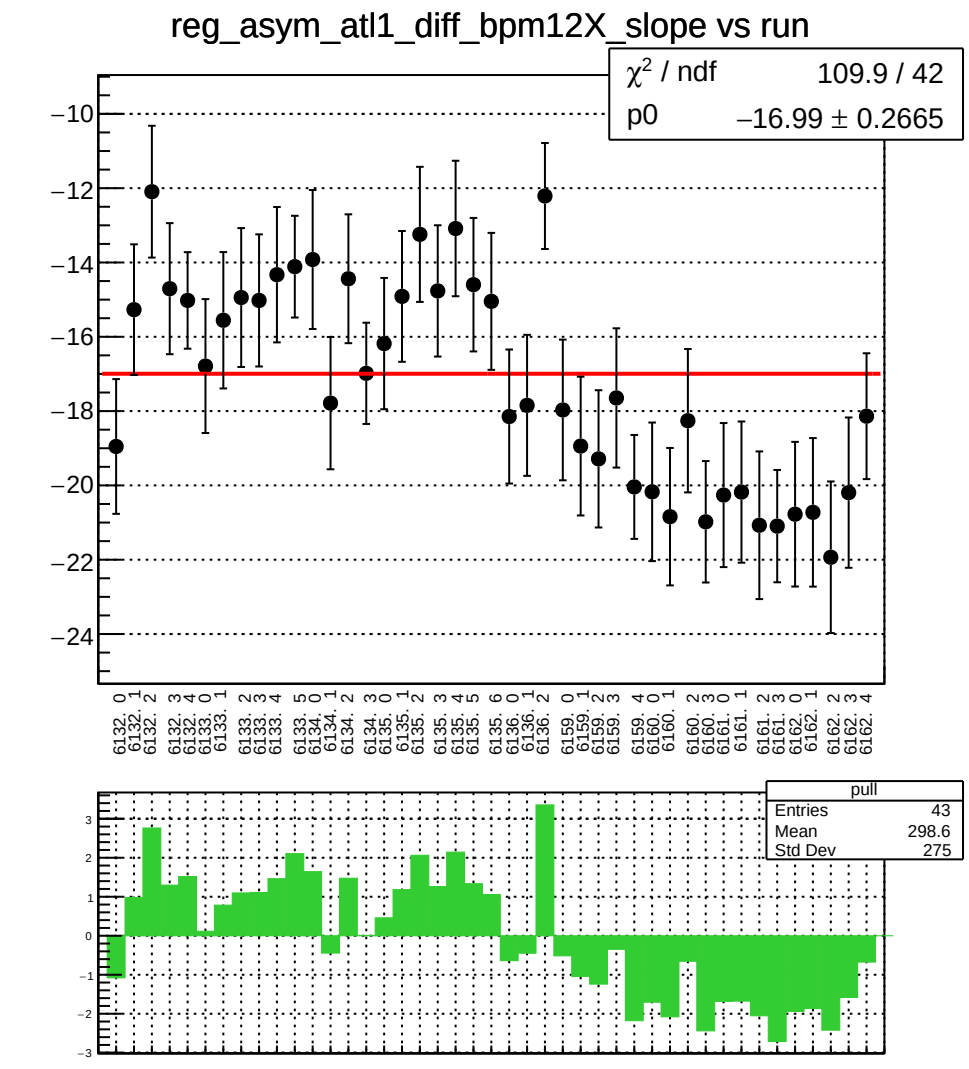

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 65.59 / 42
p0 31.65 ± 3.464
pull
Entries 43
Mean 383.8
Std Dev 358.9

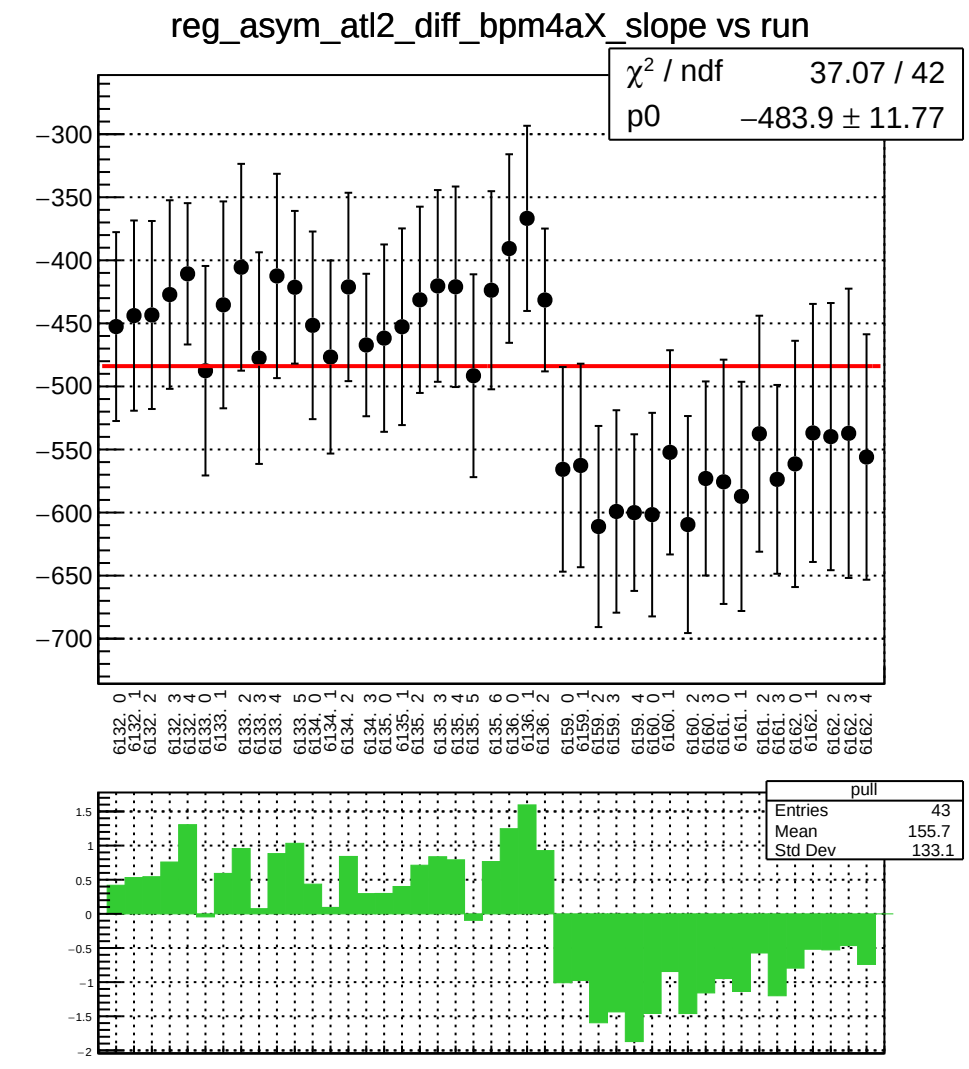

pull1D
Entries 43
Mean 0.01862
Std Dev 1.235

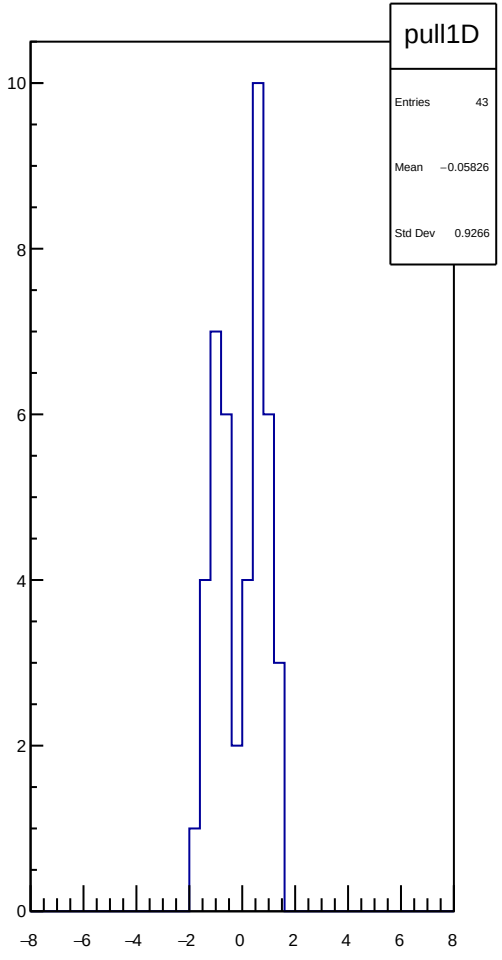

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 44.47 / 42
p0 91.06 ± 6.006
pull
Entries 43
Mean −4267
Std Dev 4291

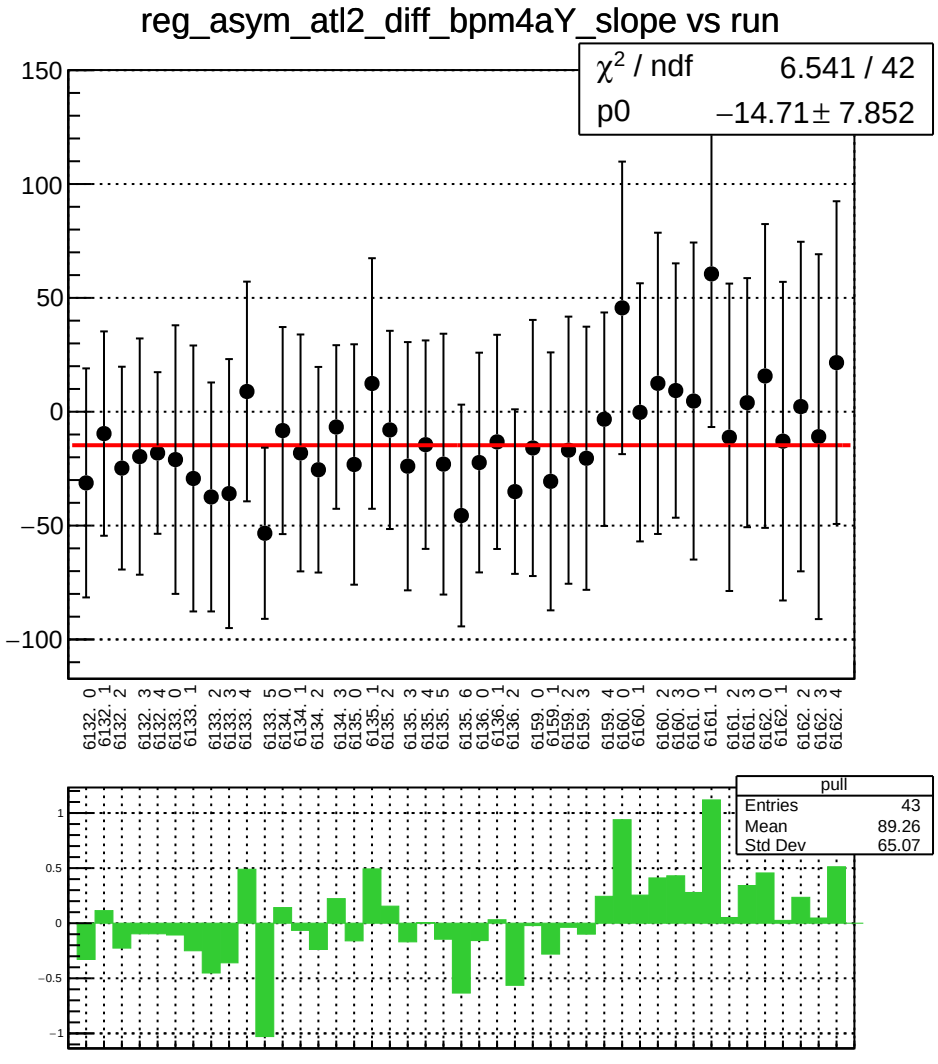

pull1D
Entries 43
Mean −0.001236
Std Dev 1.017

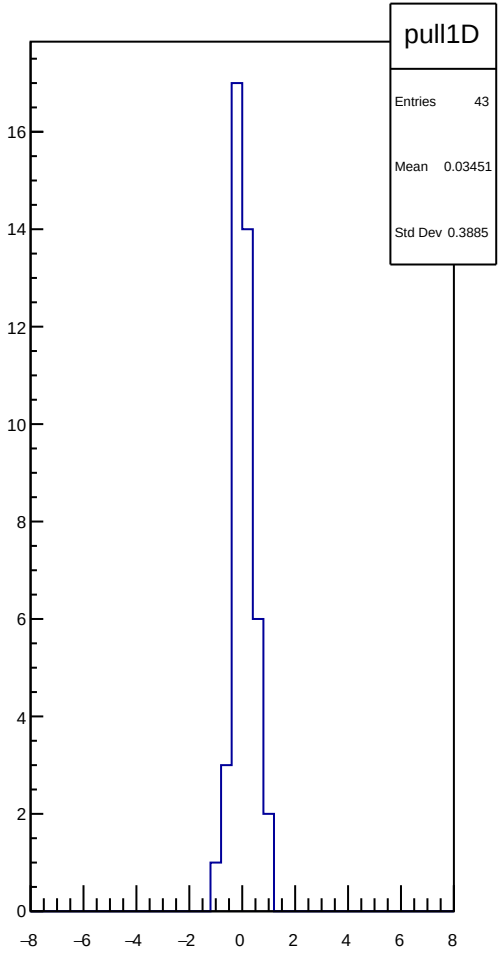

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 74.87 / 42
p0 −47.79 ± 3.68
50
0
−50
−100
−150
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 271.5
Std Dev 246.7
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.03359
Std Dev 1.319
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

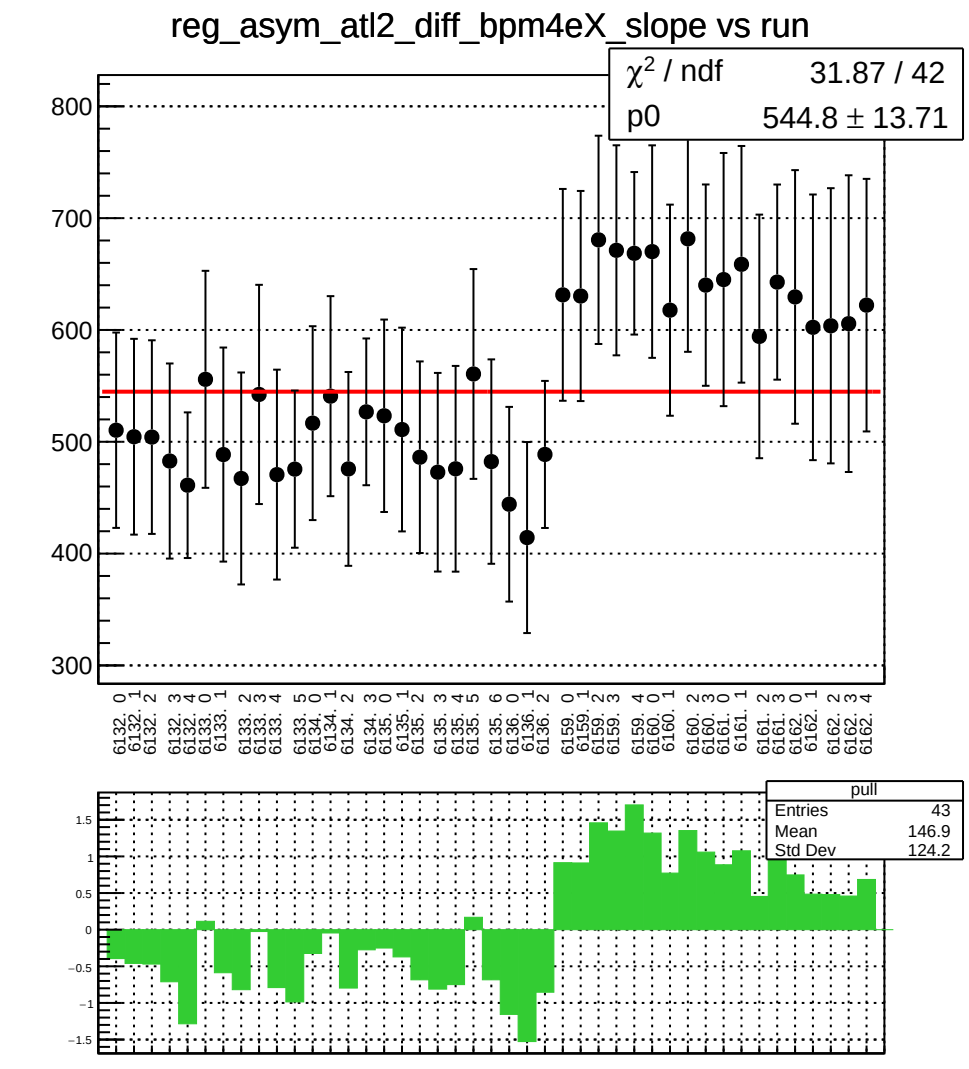

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 109.9 / 42
p0 −16.99 ± 0.2665
−10
−12
−14
−16
−18
−20
−22
−24
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 298.6
Std Dev 275
3
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean −0.05118
Std Dev 1.598
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

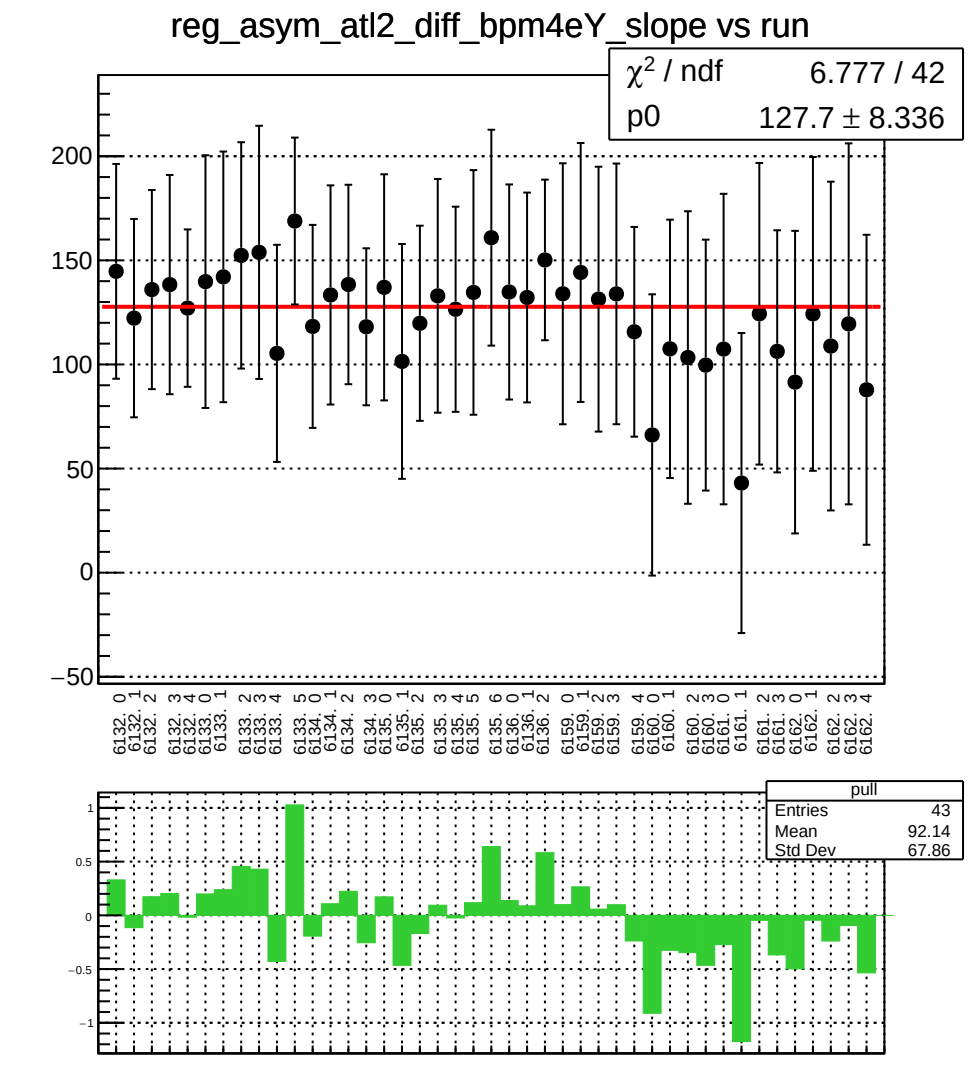

reg_asym_atl2_diff_bpm4aX_slope vs run
χ² / ndf 37.07 / 42
p0 −483.9 ± 11.77
−300
−350
−400
−450
−500
−550
−600
−650
−700
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 155.7
Std Dev 133.1
1.5
1
0.5
0
−0.5
−1
−1.5
−2

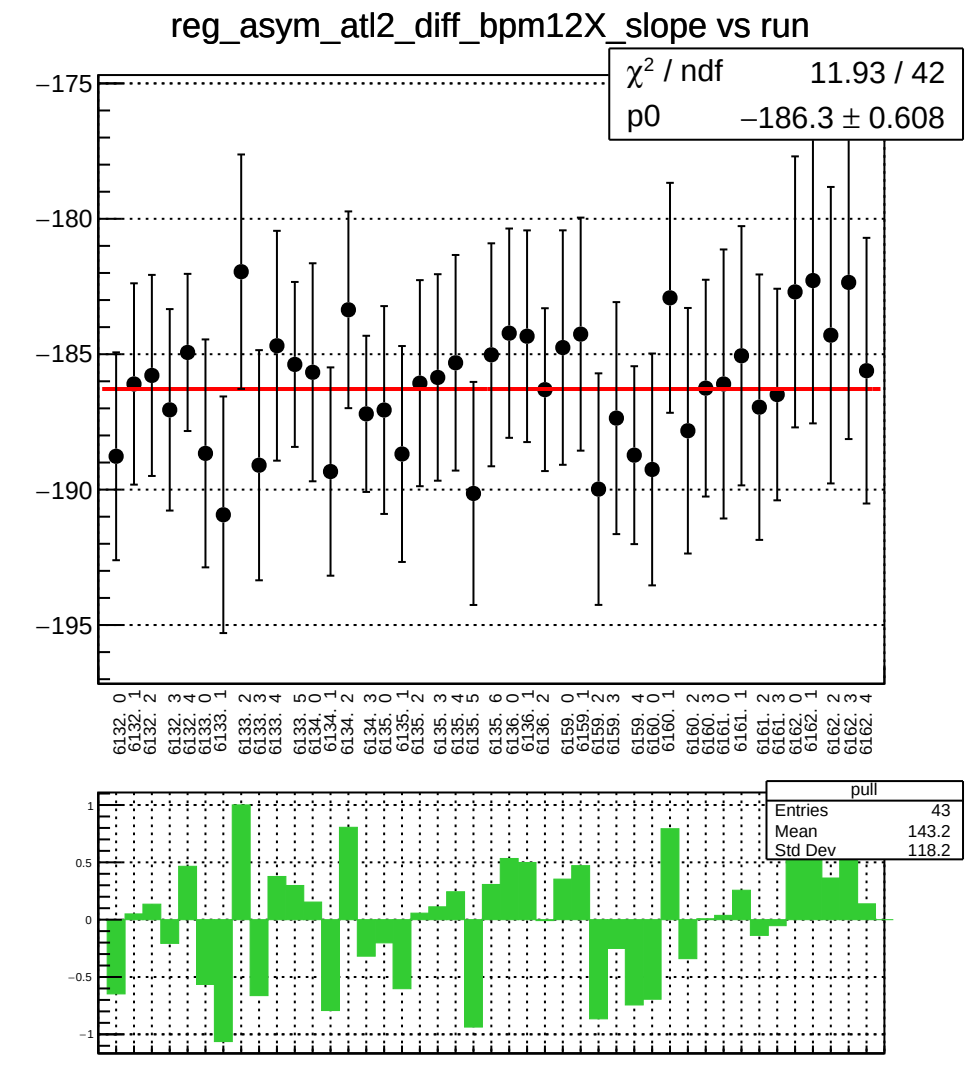

pull1D
Entries 43
Mean −0.05826
Std Dev 0.9266
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

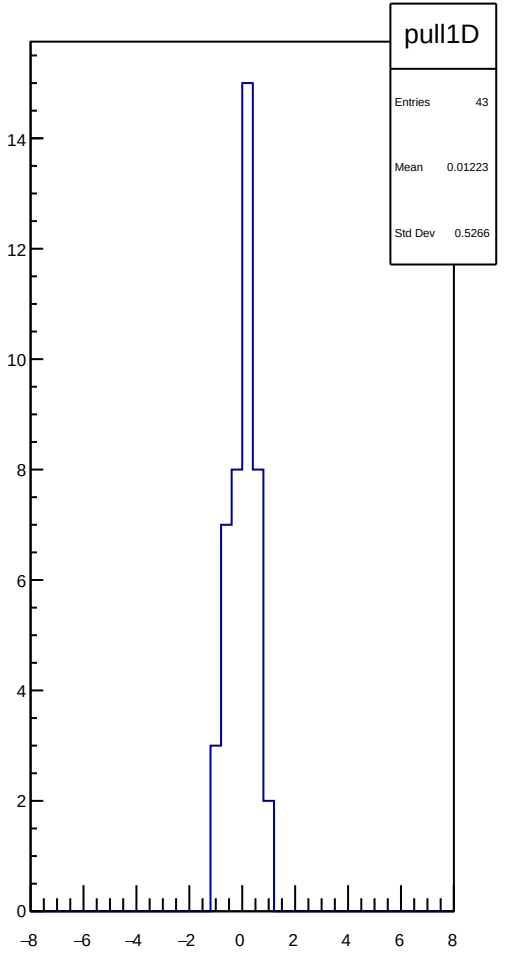

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 6.541 / 42
p0 −14.71± 7.852
150
100
50
0
−50
−100
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 89.26
Std Dev 65.07
1
0.5
0
−0.5
−1

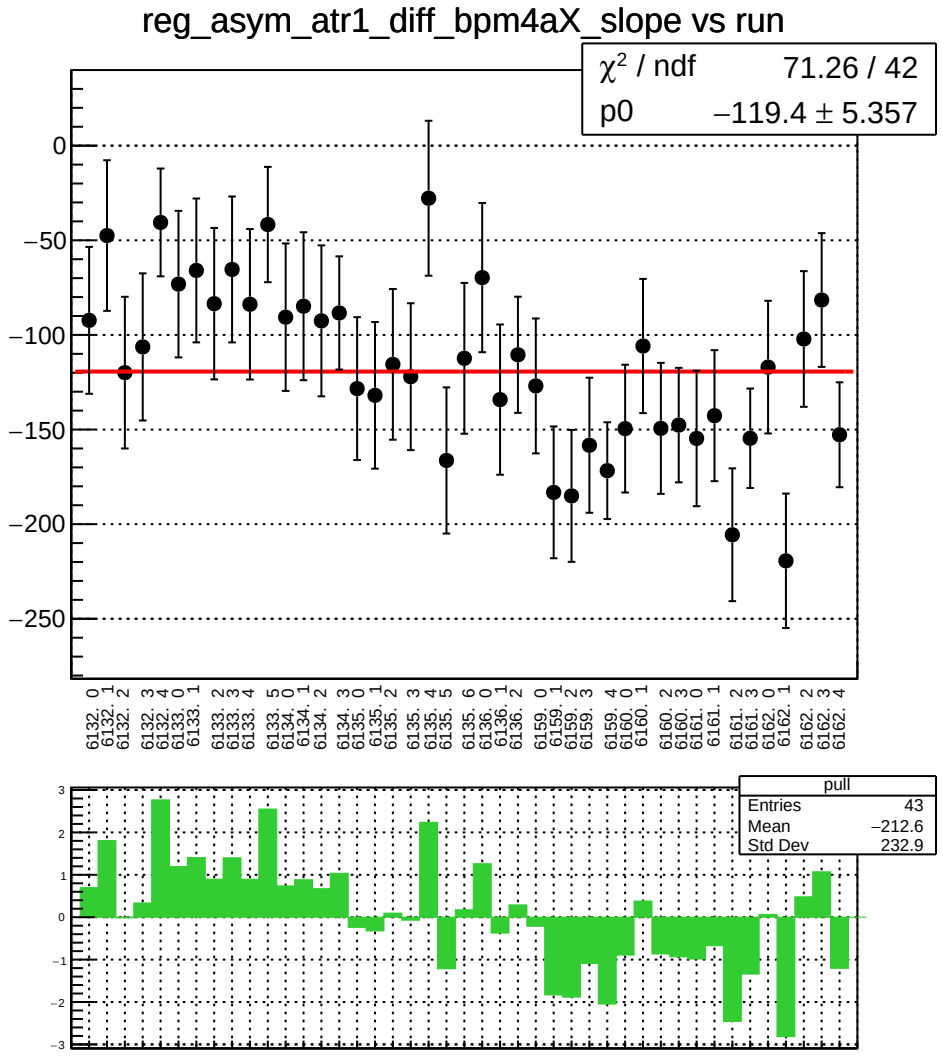

pull1D
Entries 43
Mean 0.03451
Std Dev 0.3885
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

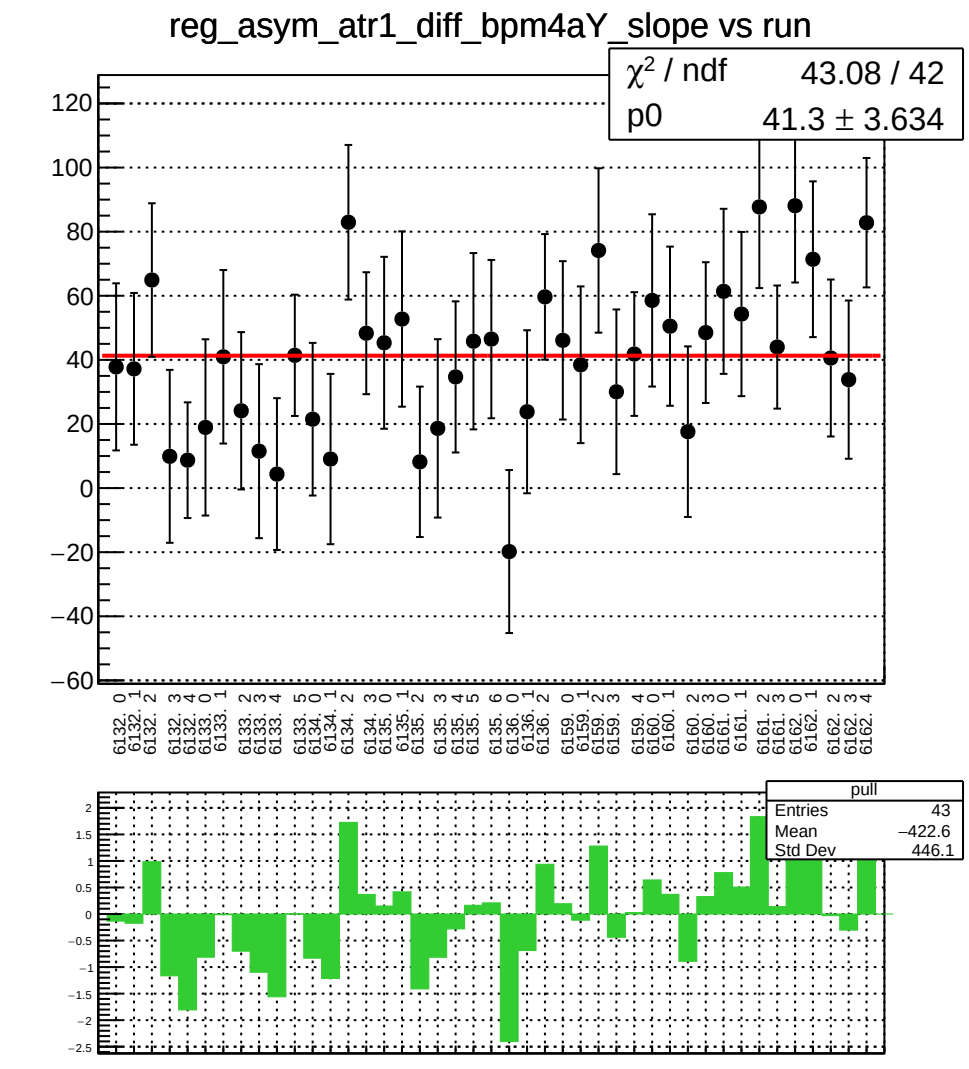

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 31.87 / 42
p0 544.8 ± 13.71
800
700
600
500
400
300
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 146.9
Std Dev 124.2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.05706
Std Dev 0.859
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

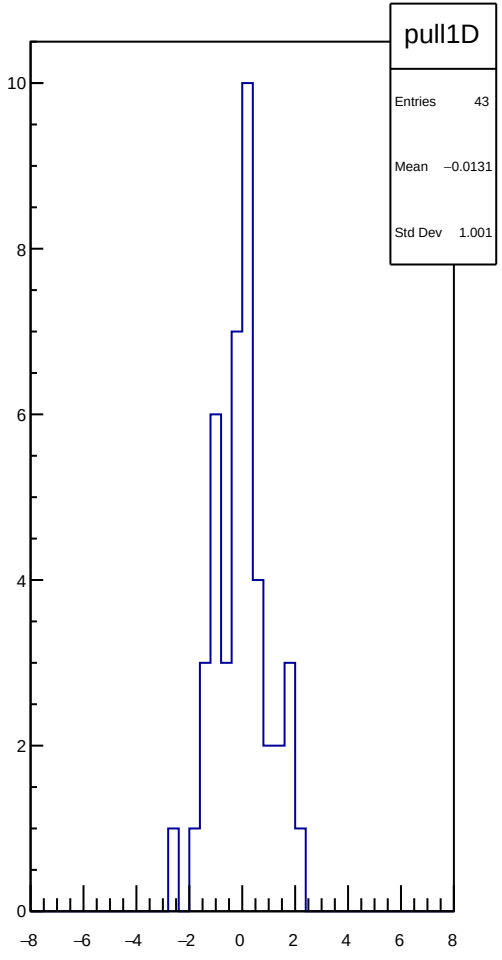

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 6.777 / 42
p0 127.7 ± 8.336
200
150
100
50
0
−50
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 92.14
Std Dev 67.86
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean −0.03458
Std Dev 0.3955
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

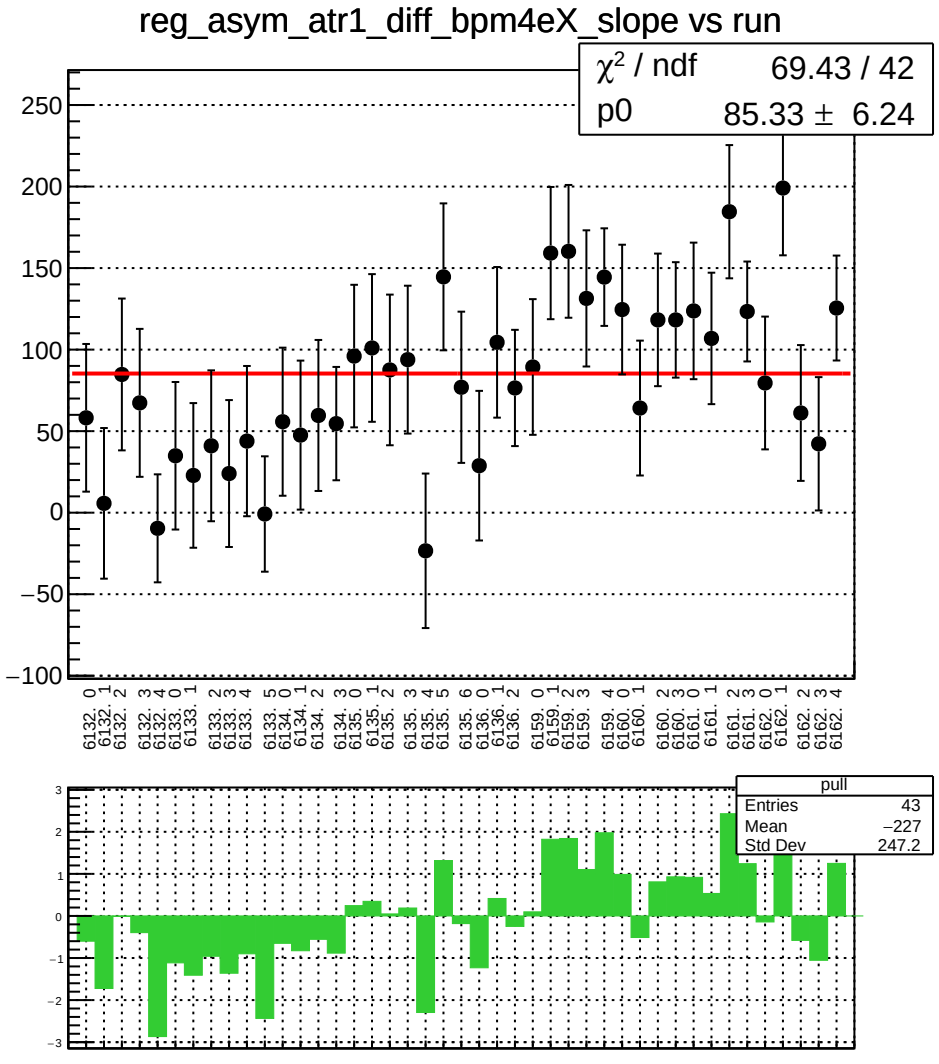

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 11.93 / 42
p0 −186.3 ± 0.608
−175
−180
−185
−190
−195
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 143.2
Std Dev 118.2
1
0.5
0
−0.5
−1

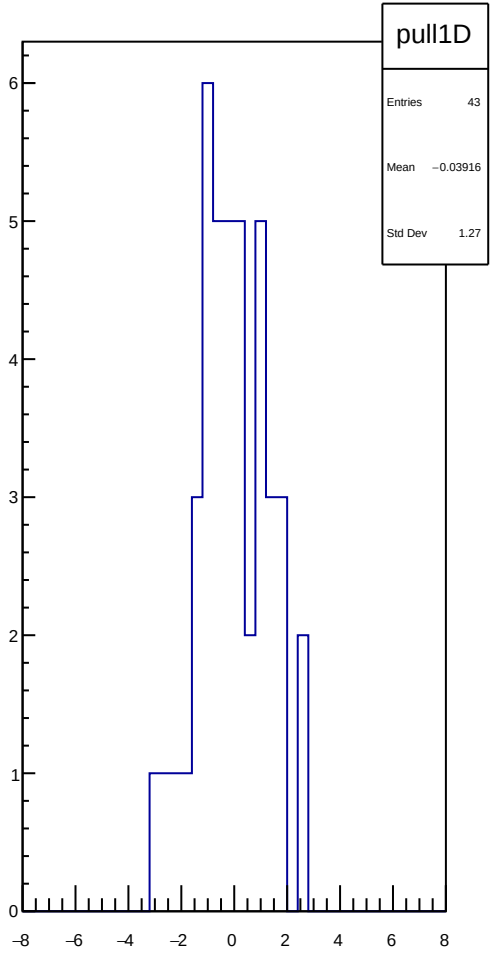

pull1D
Entries 43
Mean 0.01223
Std Dev 0.5266
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

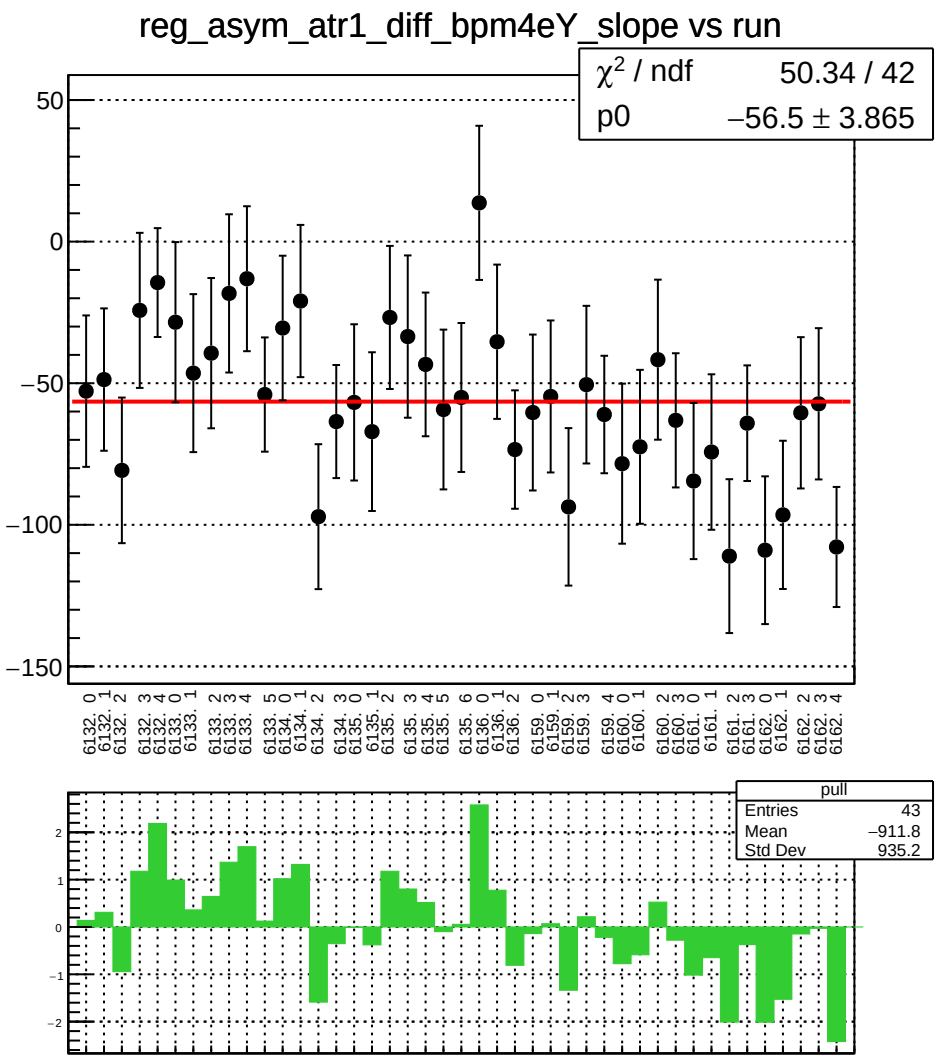

reg_asym_atr1_diff_bpm4aX_slope vs run
χ² / ndf 71.26 / 42
p0 −119.4 ± 5.357
0
−50
−100
−150
−200
−250
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −212.6
Std Dev 232.9
3
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.04325
Std Dev 1.287
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

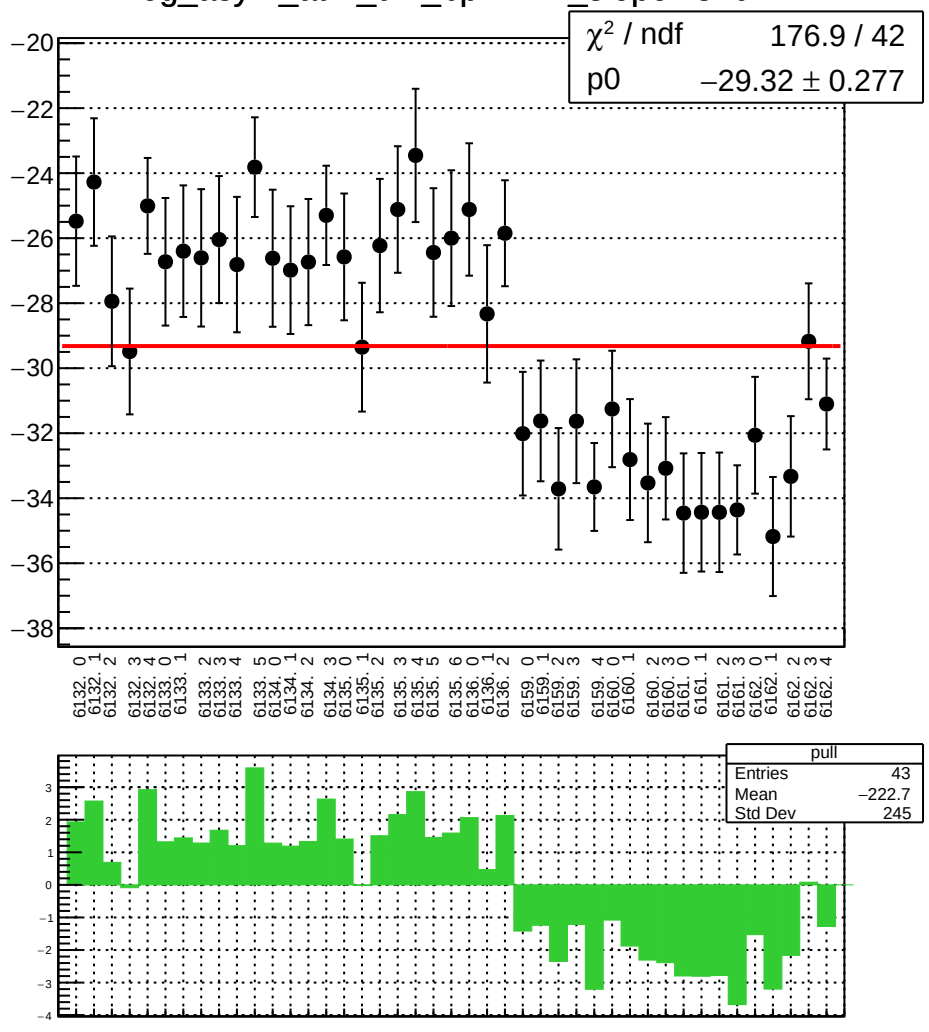

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 43.08 / 42
p0 41.3 ± 3.634
pull
Entries 43
Mean −422.6
Std Dev 446.1

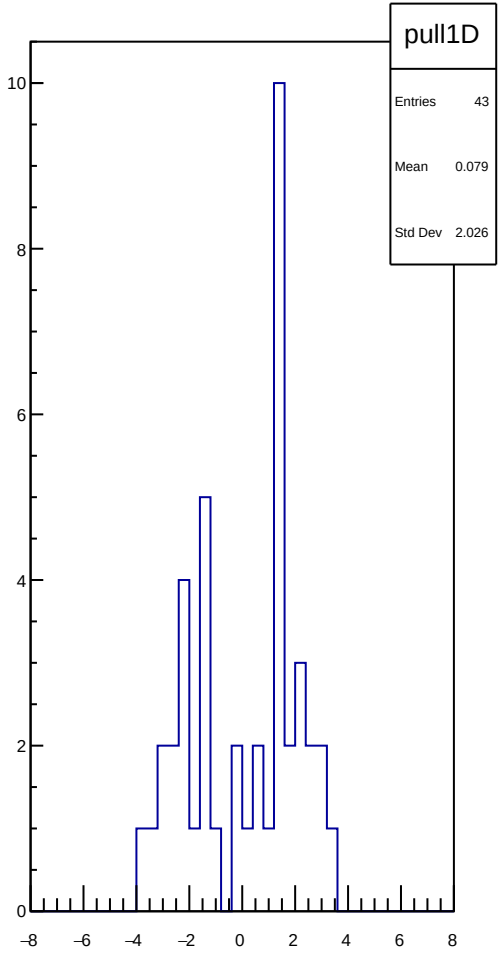

pull1D
Entries 43
Mean −0.0131
Std Dev 1.001

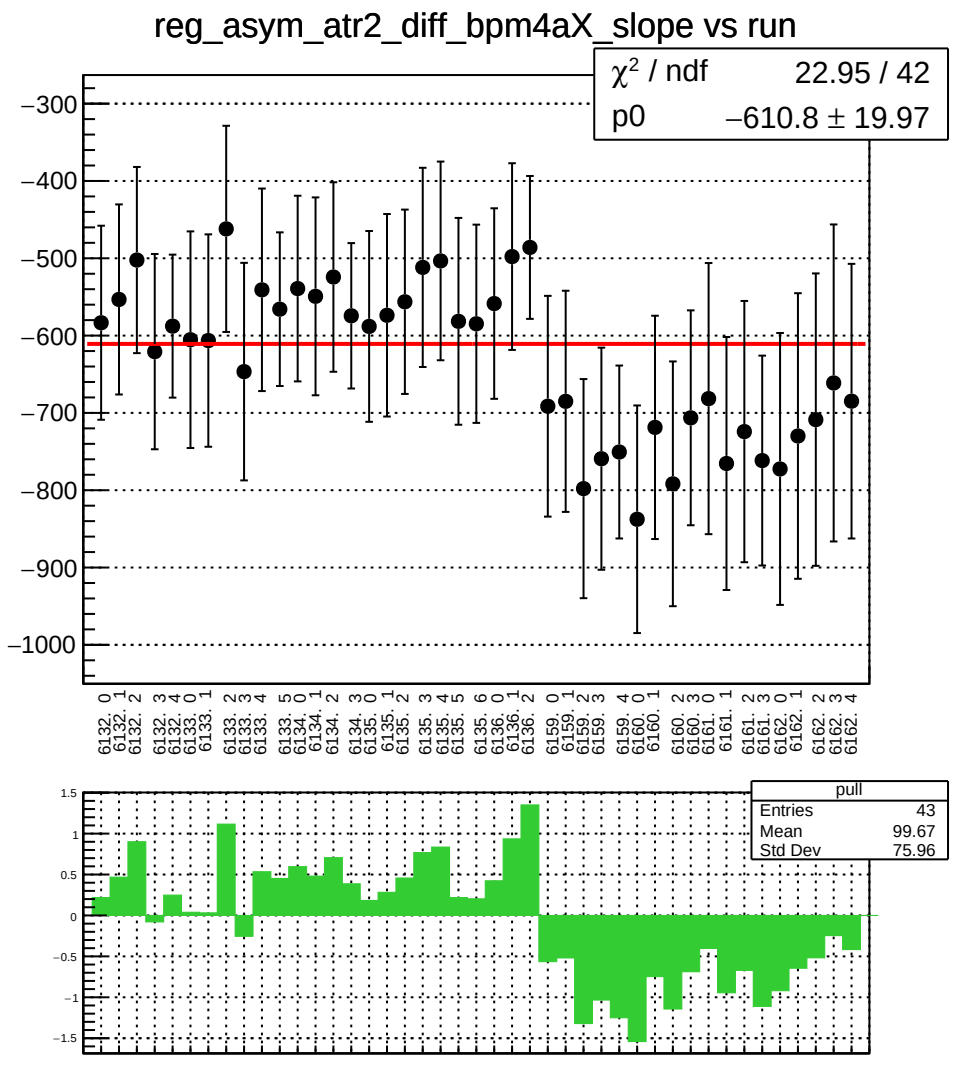

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 69.43 / 42
p0 85.33 ± 6.24
pull
Entries 43
Mean −227
Std Dev 247.2

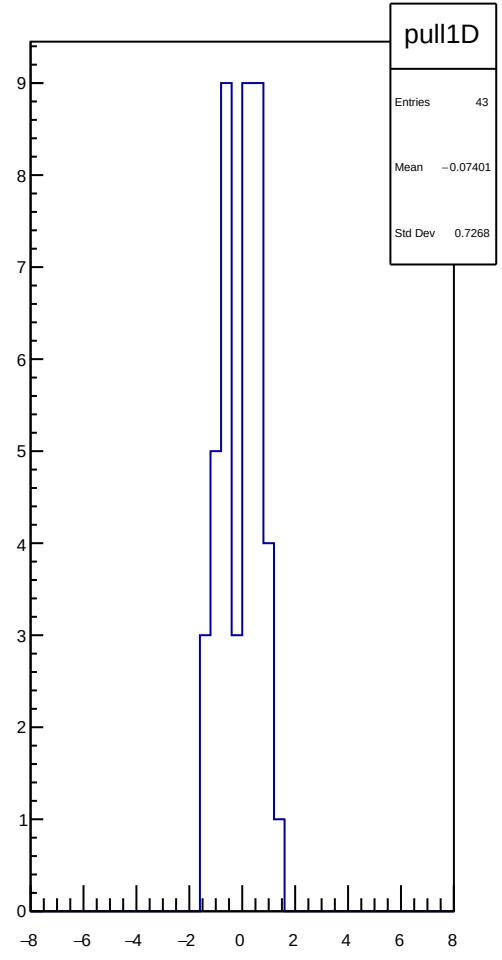

pull1D
Entries 43
Mean −0.03916
Std Dev 1.27

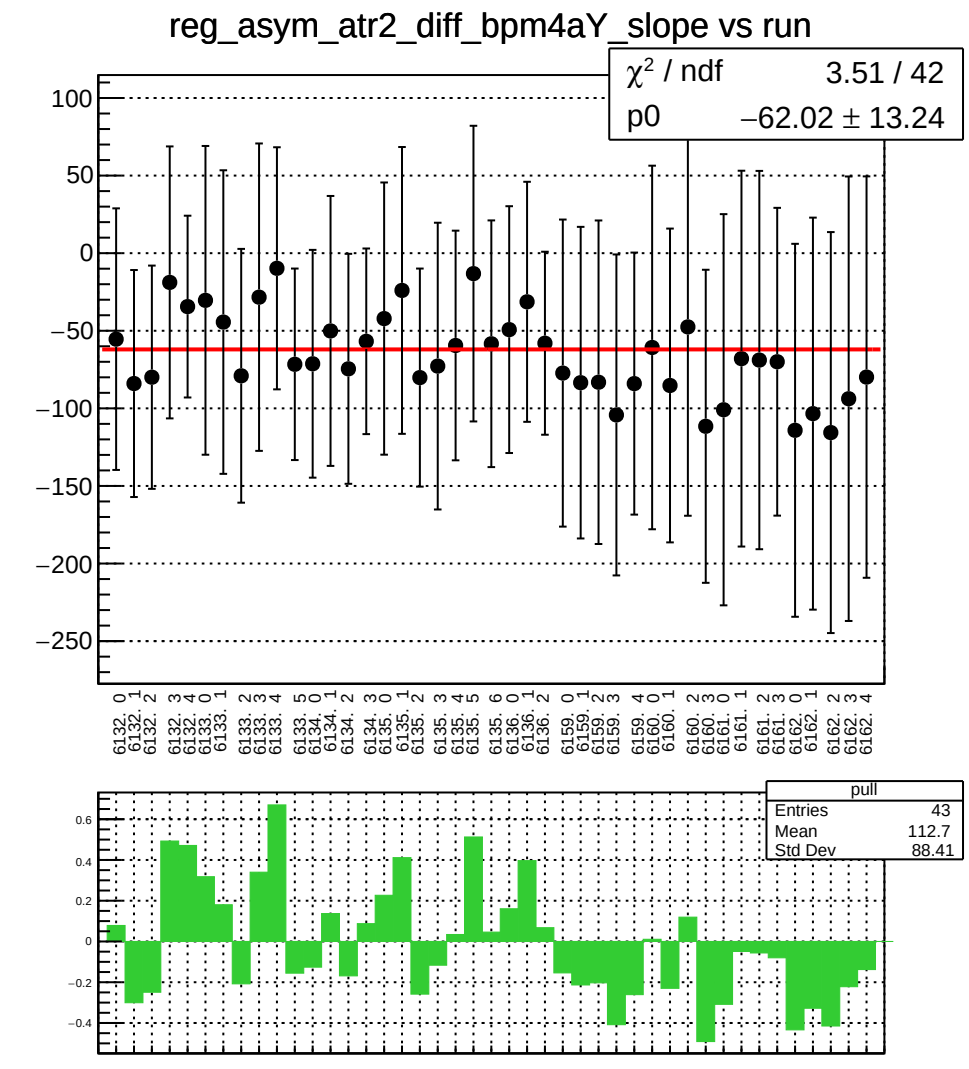

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 50.34 / 42
p0 −56.5 ± 3.865
50
0
−50
−100
−150
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −911.8
Std Dev 935.2
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.00807
Std Dev 1.082
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

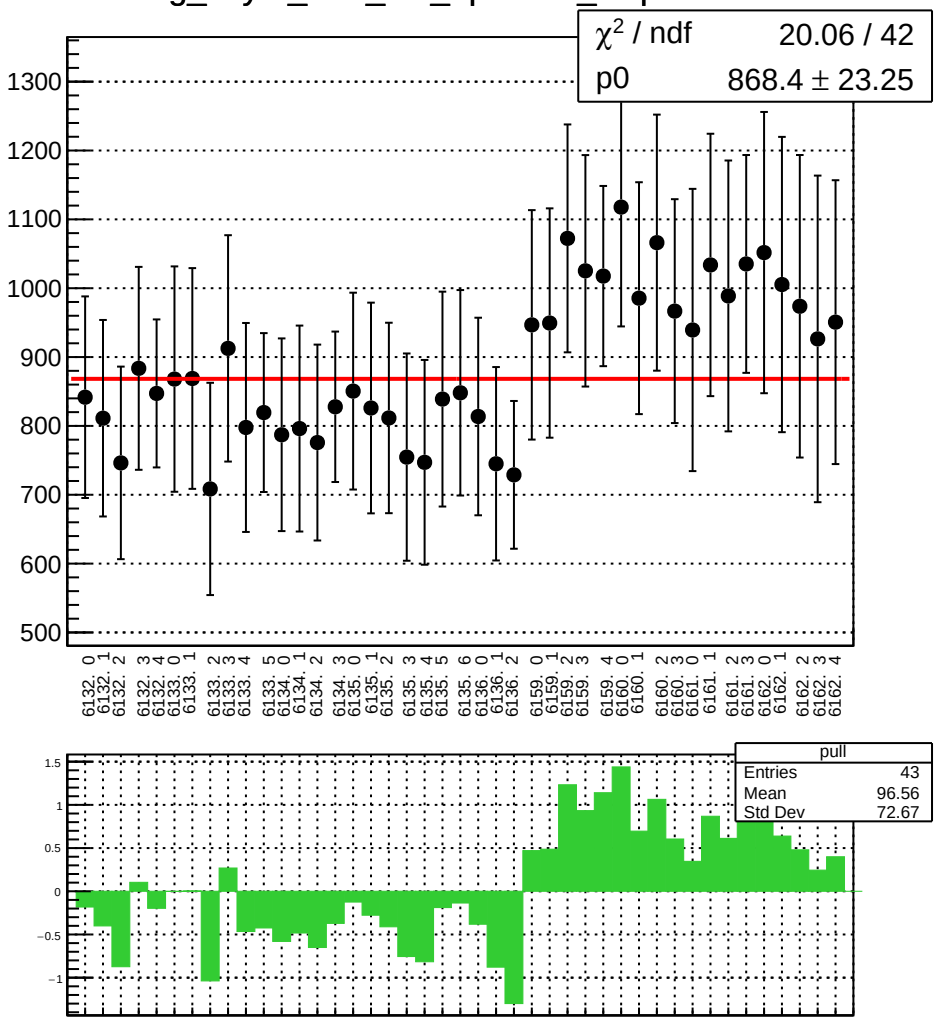

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 176.9 / 42
p0 −29.32 ± 0.277
pull
Entries 43
Mean −222.7
Std Dev 245

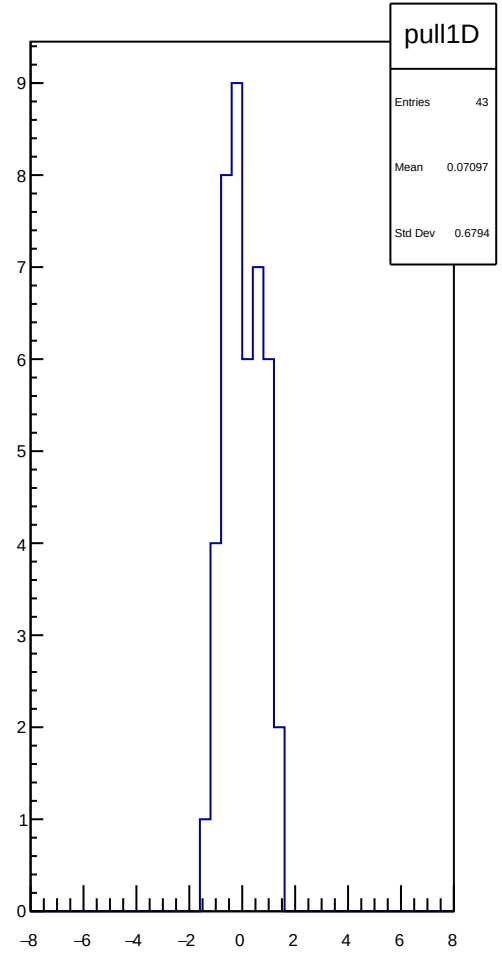

pull1D
Entries 43
Mean 0.079
Std Dev 2.026

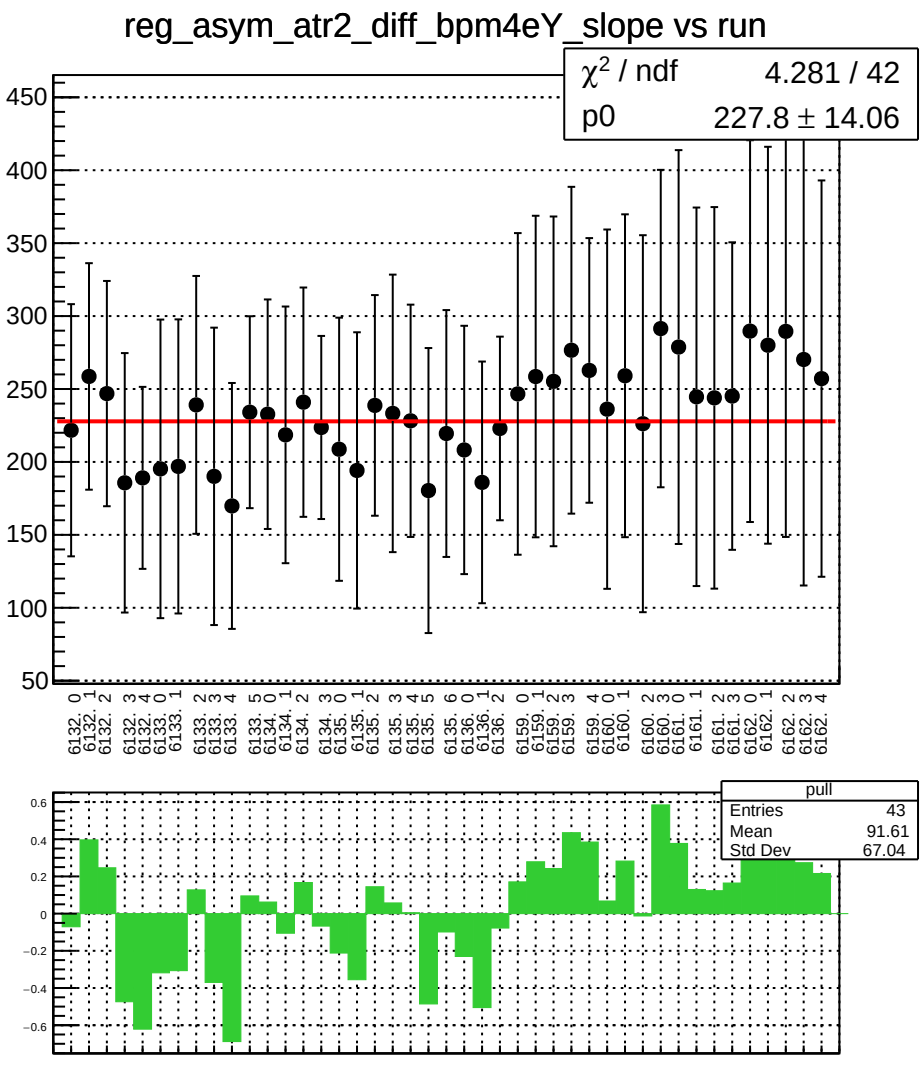

reg_asym_atr2_diff_bpm4aX_slope vs run
χ² / ndf 22.95 / 42
p0 −610.8 ± 19.97
−300
−400
−500
−600
−700
−800
−900
−1000
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 99.67
Std Dev 75.96
1.5
1
0.5
0
−0.5
−1
−1.5

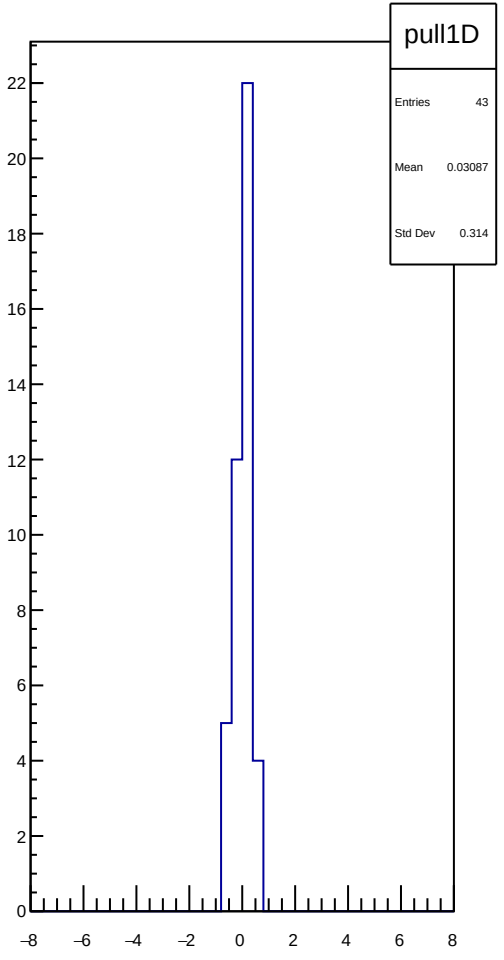

pull1D
Entries 43
Mean −0.07401
Std Dev 0.7268
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

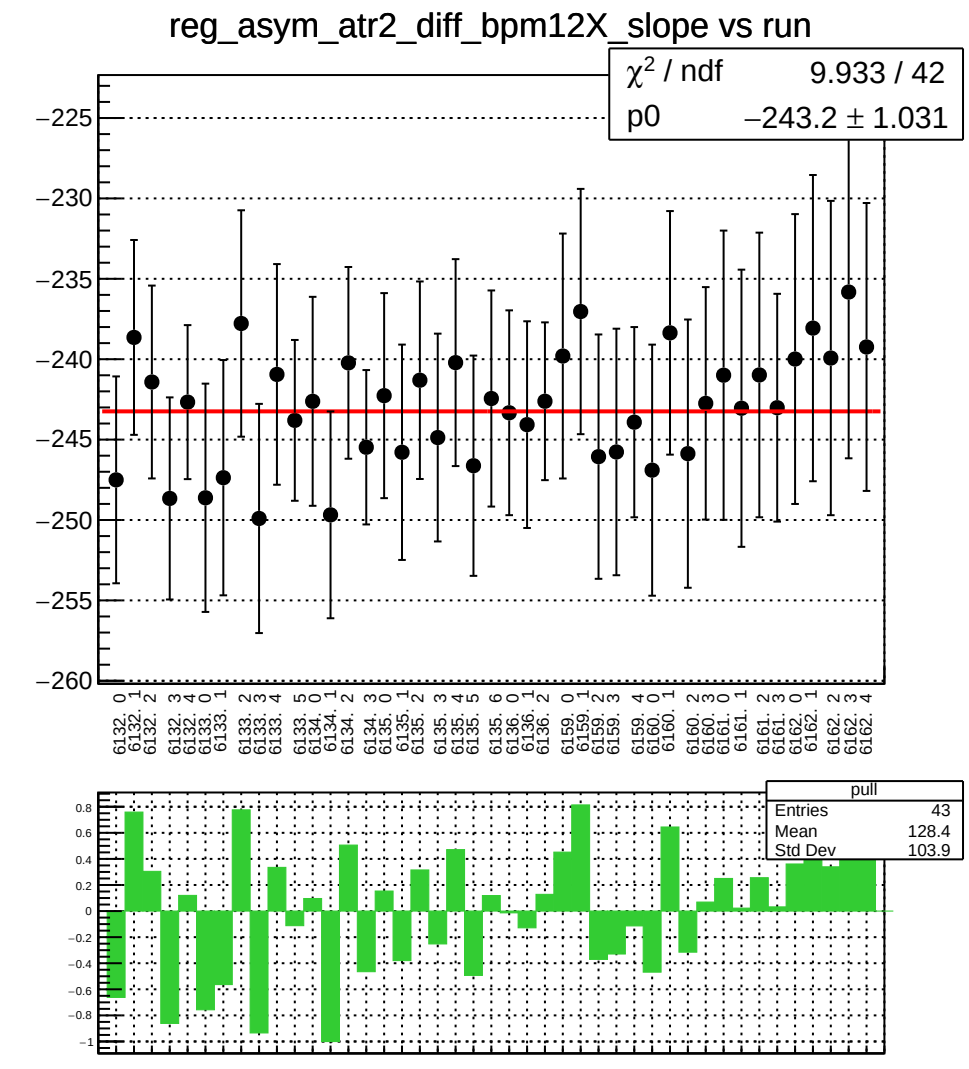

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 3.51 / 42
p0 −62.02 ± 13.24
100
50
0
−50
−100
−150
−200
−250
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 112.7
Std Dev 88.41
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 43
Mean −0.01887
Std Dev 0.2851
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

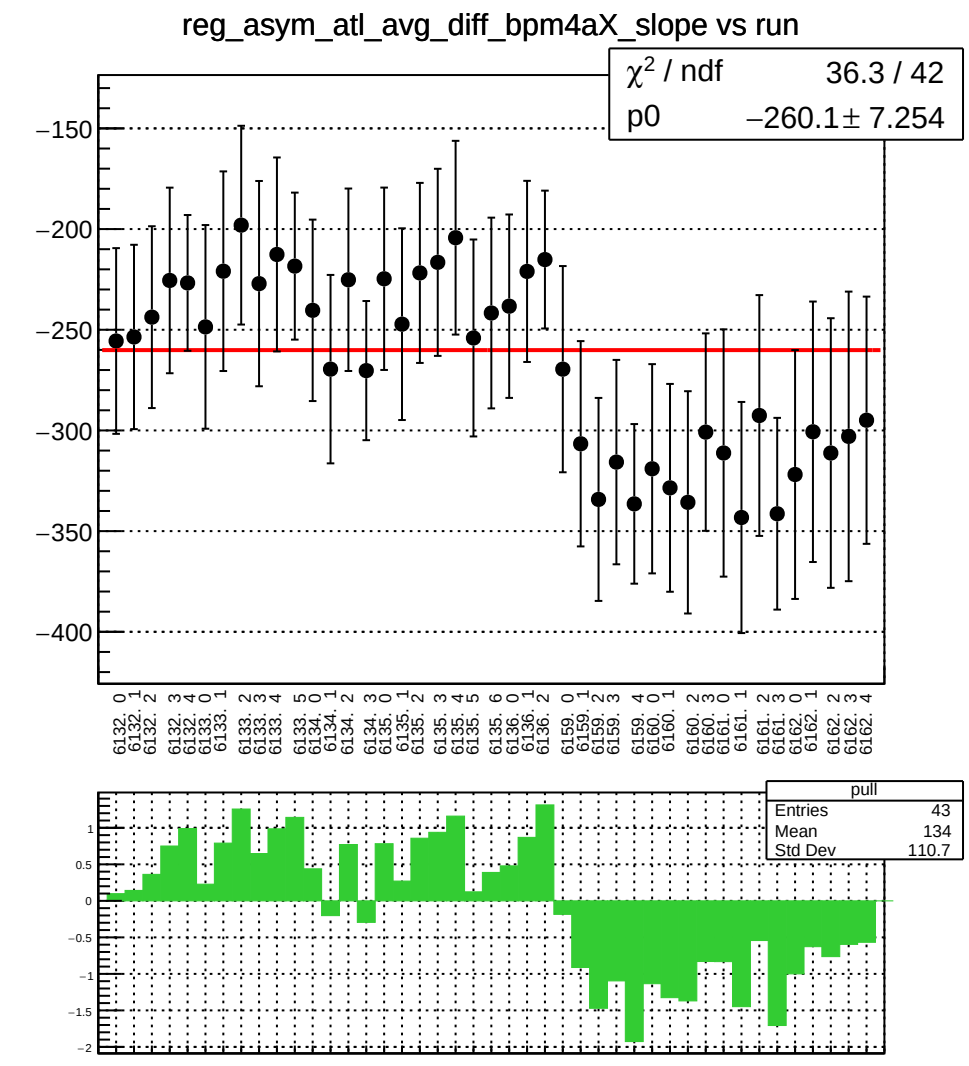

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 20.06 / 42
p0 868.4 ± 23.25
pull
Entries 43
Mean 96.56
Std Dev 72.67

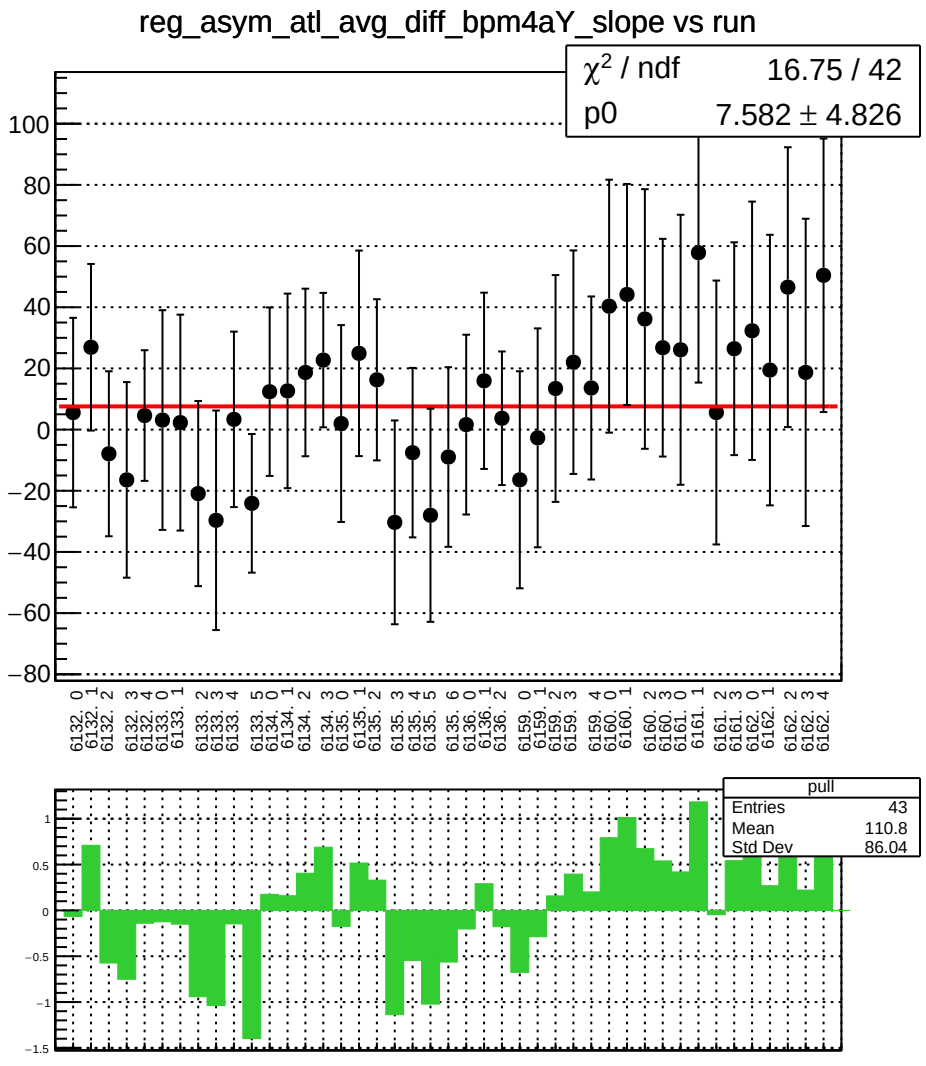

pull1D
Entries 43
Mean 0.07097
Std Dev 0.6794

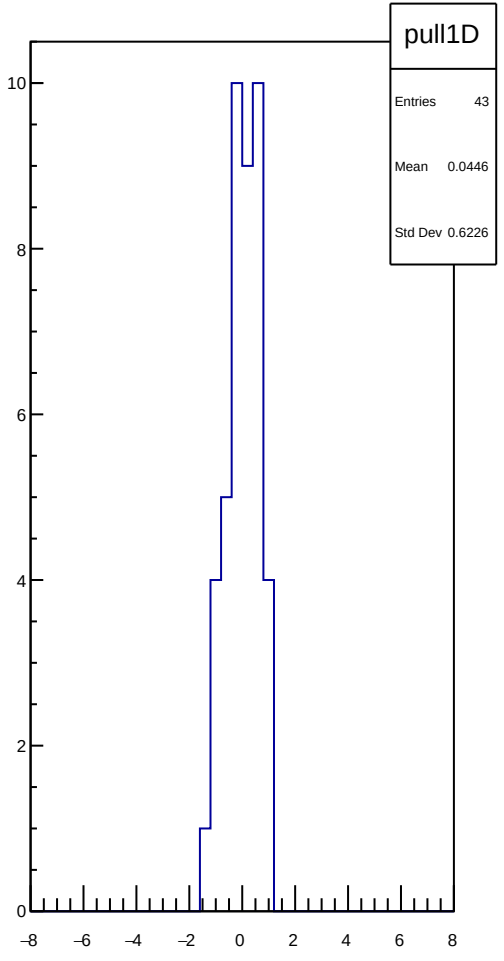

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 4.281 / 42
p0 227.8 ± 14.06
pull
Entries 43
Mean 91.61
Std Dev 67.04

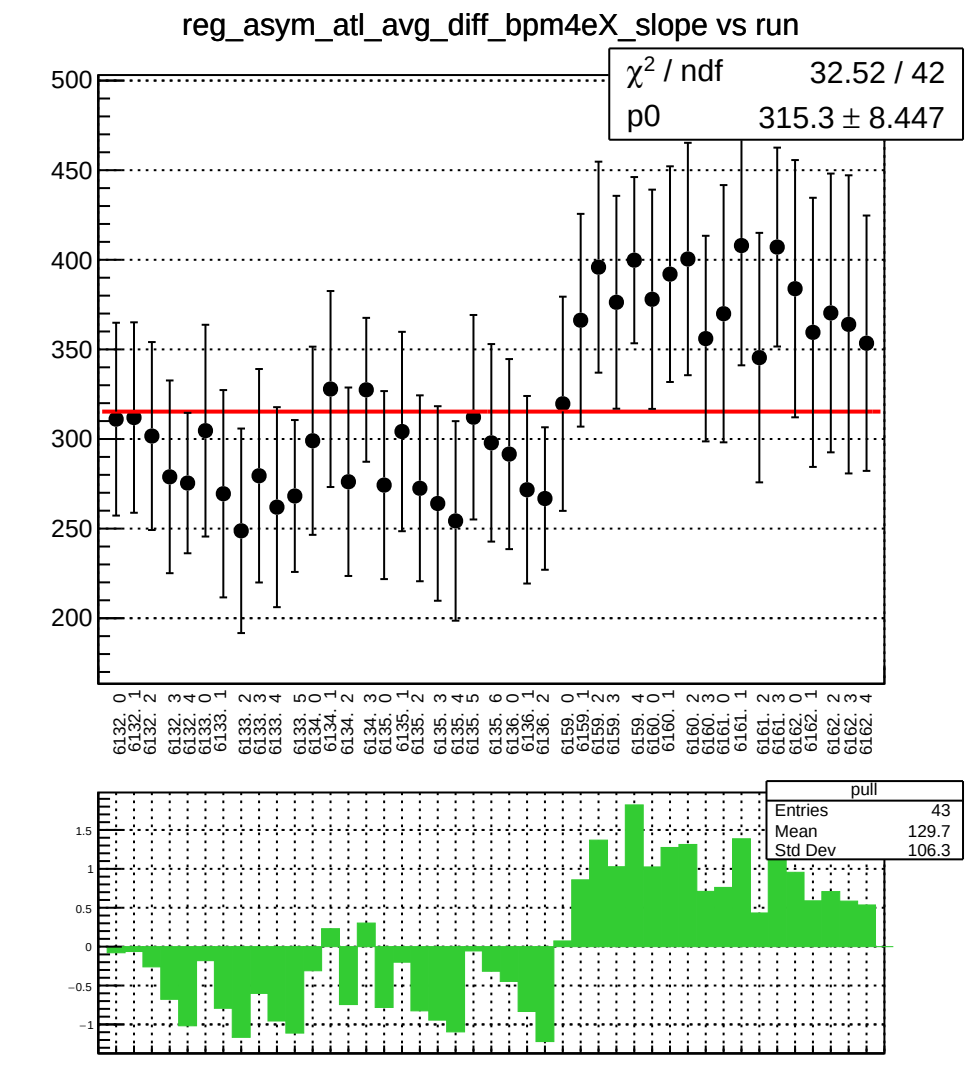

pull1D
Entries 43
Mean 0.03087
Std Dev 0.314

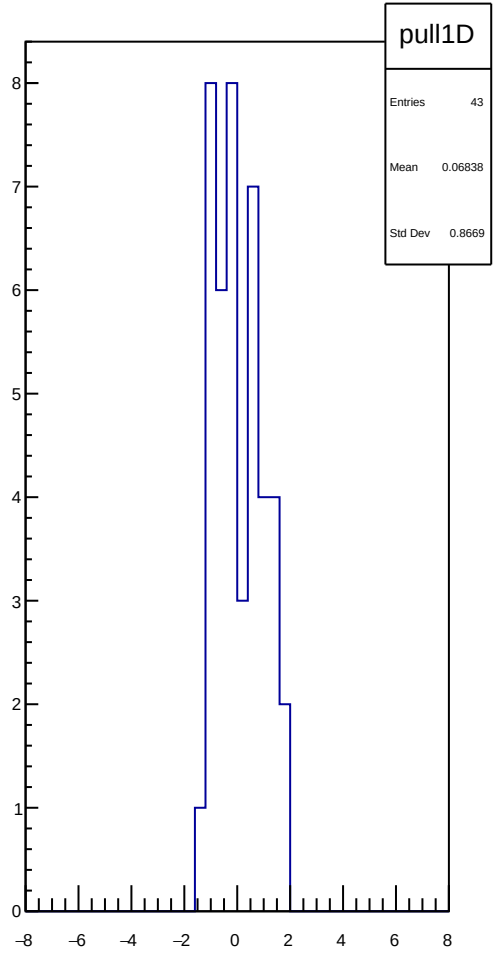

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 9.933 / 42
p0 −243.2 ± 1.031
−225
−230
−235
−240
−245
−250
−255
−260
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 128.4
Std Dev 103.9
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 43
Mean 0.01891
Std Dev 0.4802
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

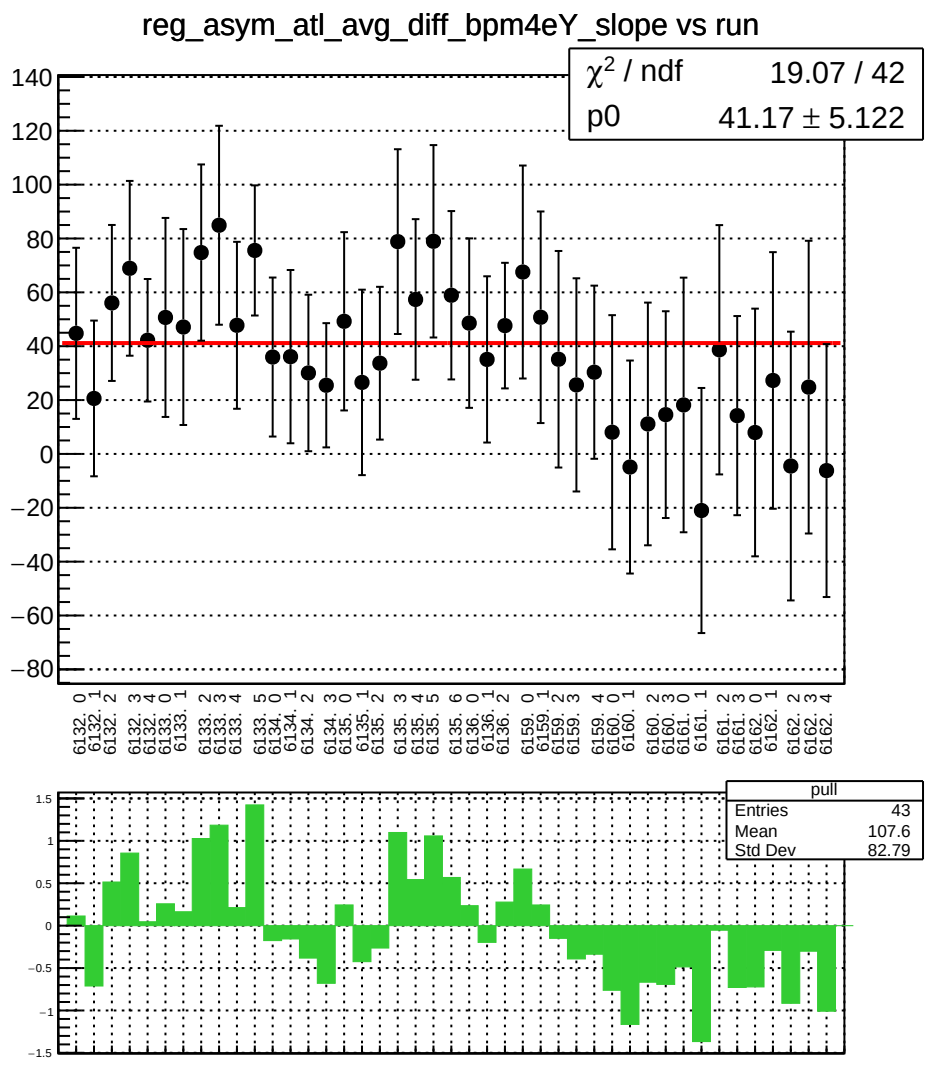

reg_asym_atl_avg_diff_bpm4aX_slope vs run
χ² / ndf 36.3 / 42
p0 −260.1± 7.254
−150
−200
−250
−300
−350
−400
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 134
Std Dev 110.7
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.07072
Std Dev 0.9161
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

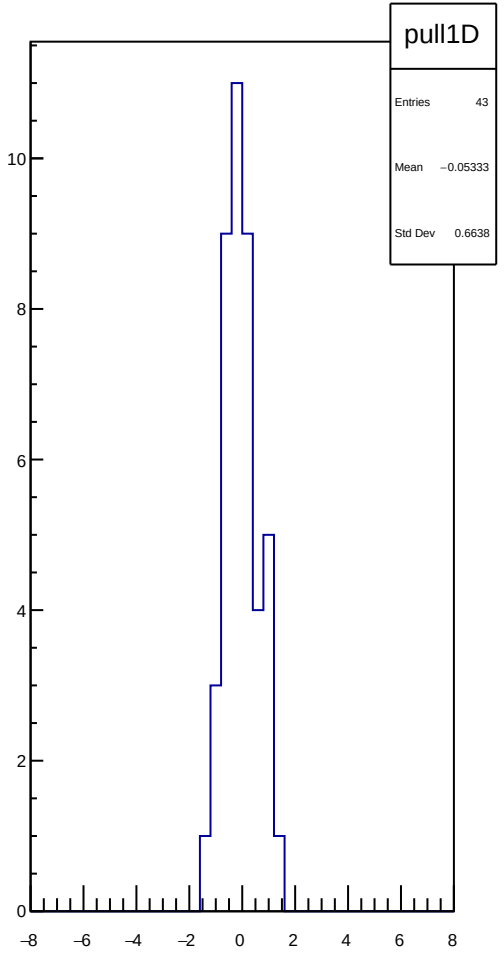

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 16.75 / 42
p0 7.582 ± 4.826
pull
Entries 43
Mean 110.8
Std Dev 86.04

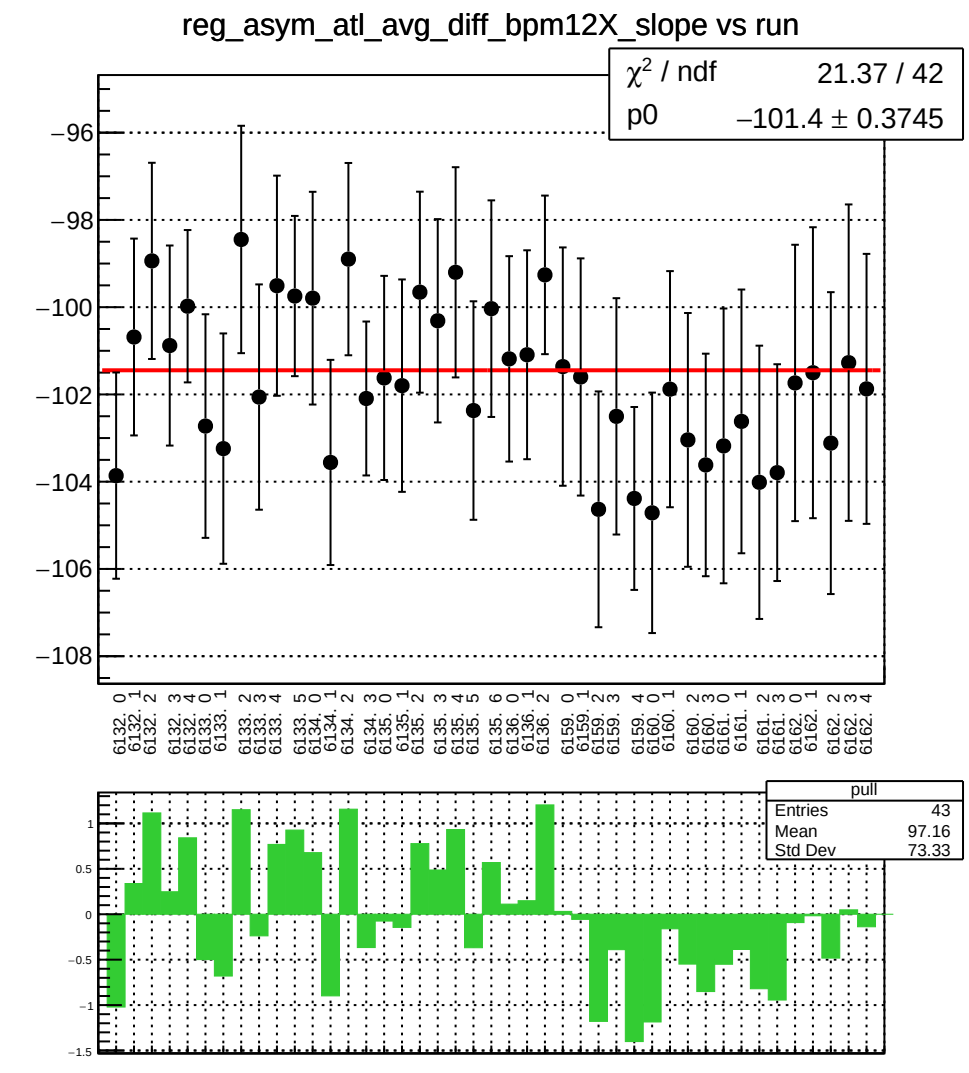

pull1D
Entries 43
Mean 0.0446
Std Dev 0.6226

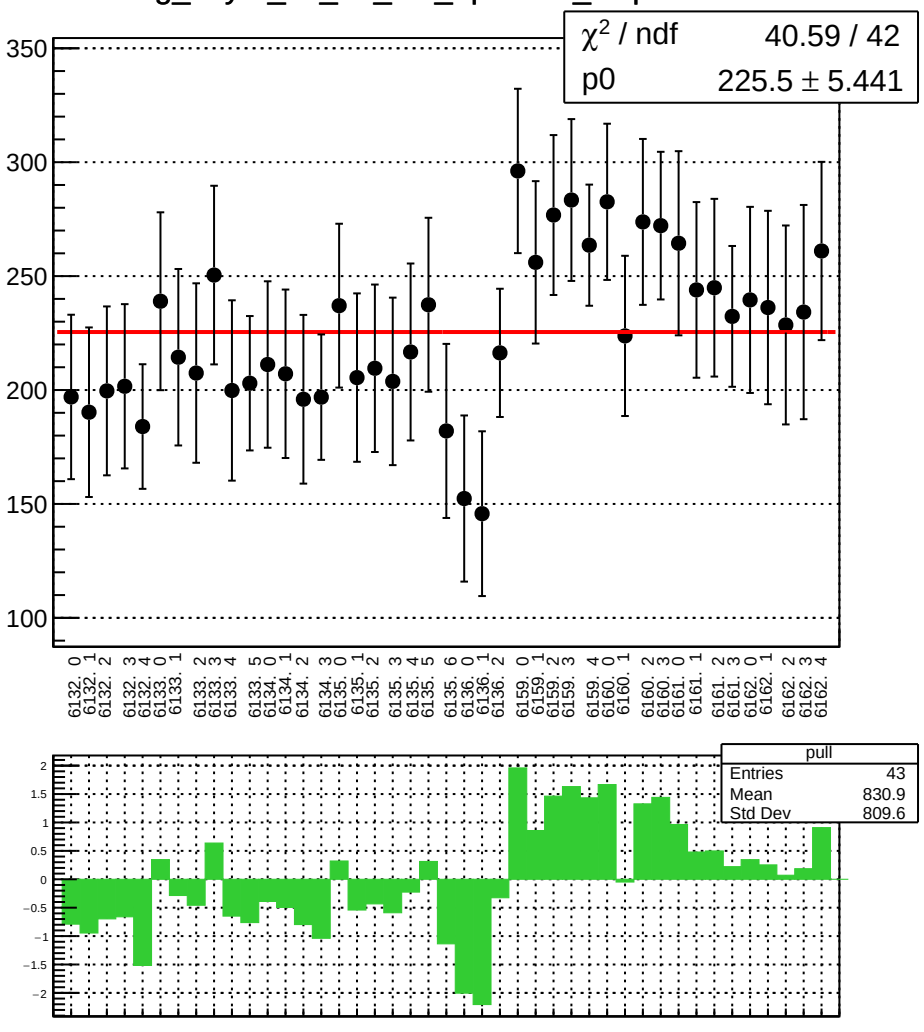

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 32.52 / 42
p0 315.3 ± 8.447
pull
Entries 43
Mean 129.7
Std Dev 106.3

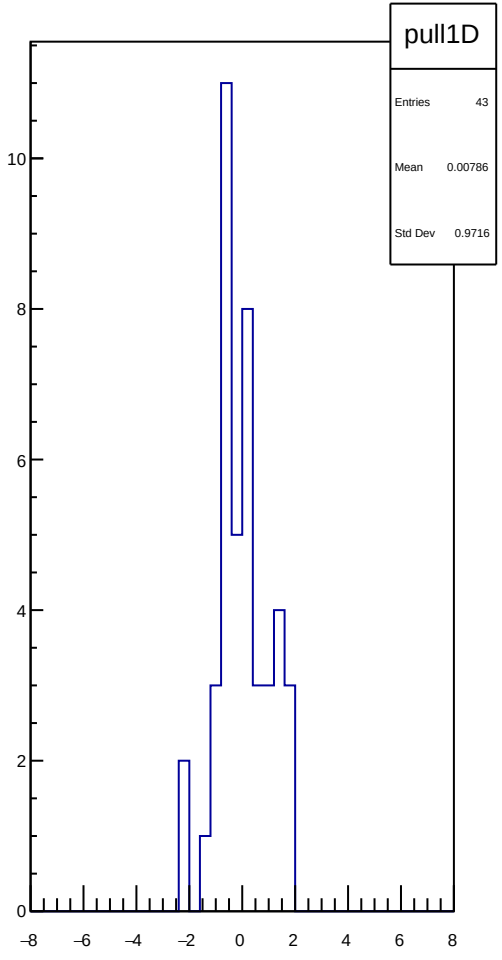

pull1D
Entries 43
Mean 0.06838
Std Dev 0.8669

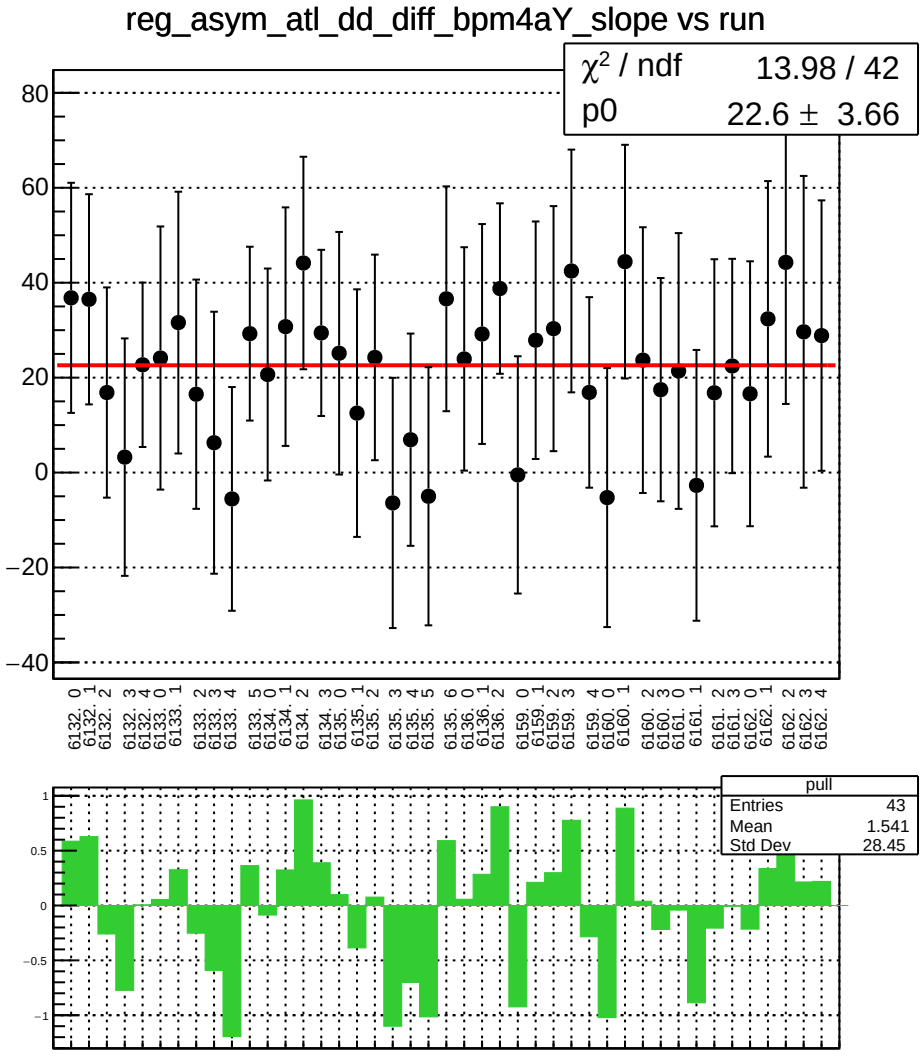

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 19.07 / 42
p0 41.17 ± 5.122
pull
Entries 43
Mean 107.6
Std Dev 82.79

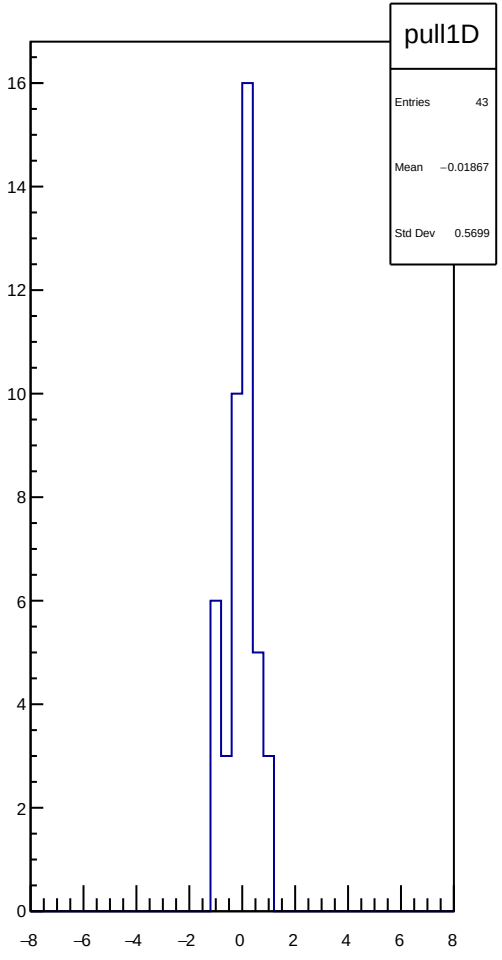

pull1D
Entries 43
Mean −0.05333
Std Dev 0.6638

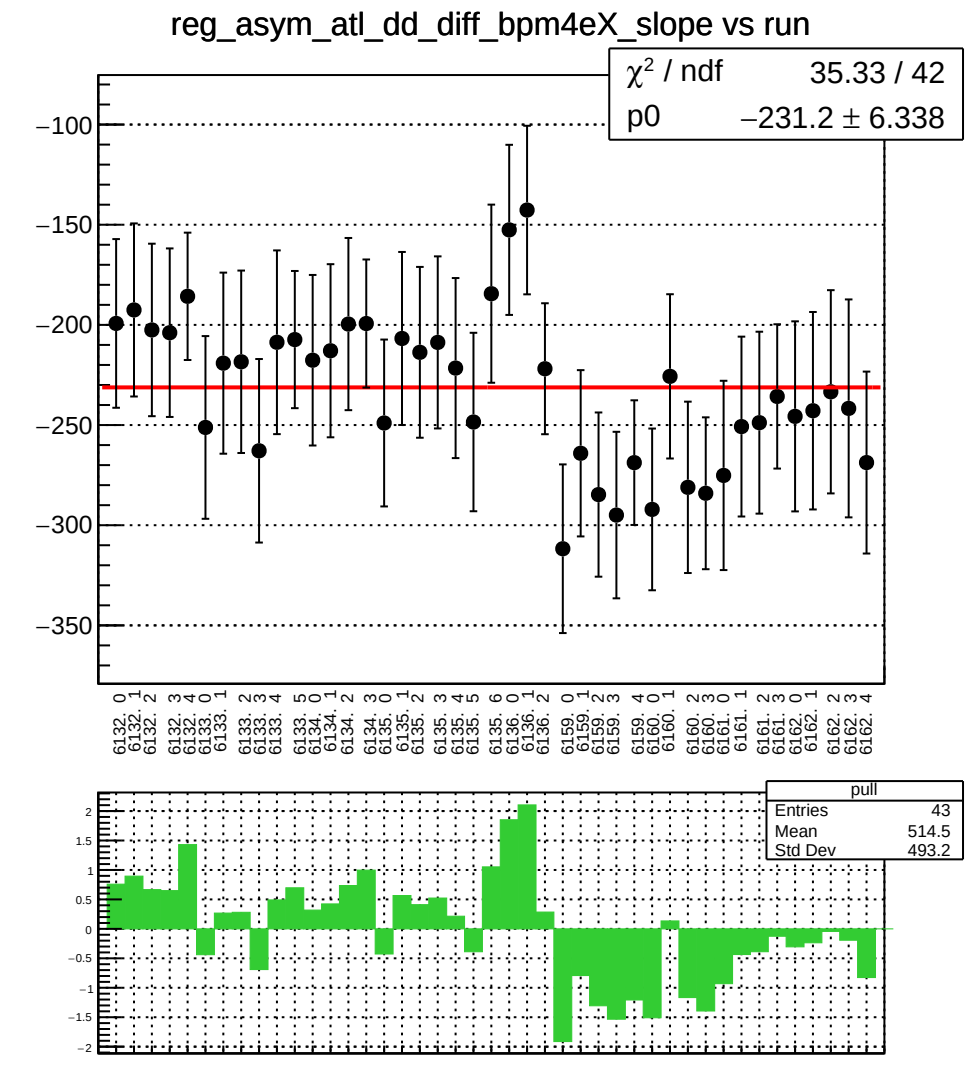

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 21.37 / 42
p0 −101.4 ± 0.3745
−96
−98
−100
−102
−104
−106
−108
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 97.16
Std Dev 73.33
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.04561
Std Dev 0.7035
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

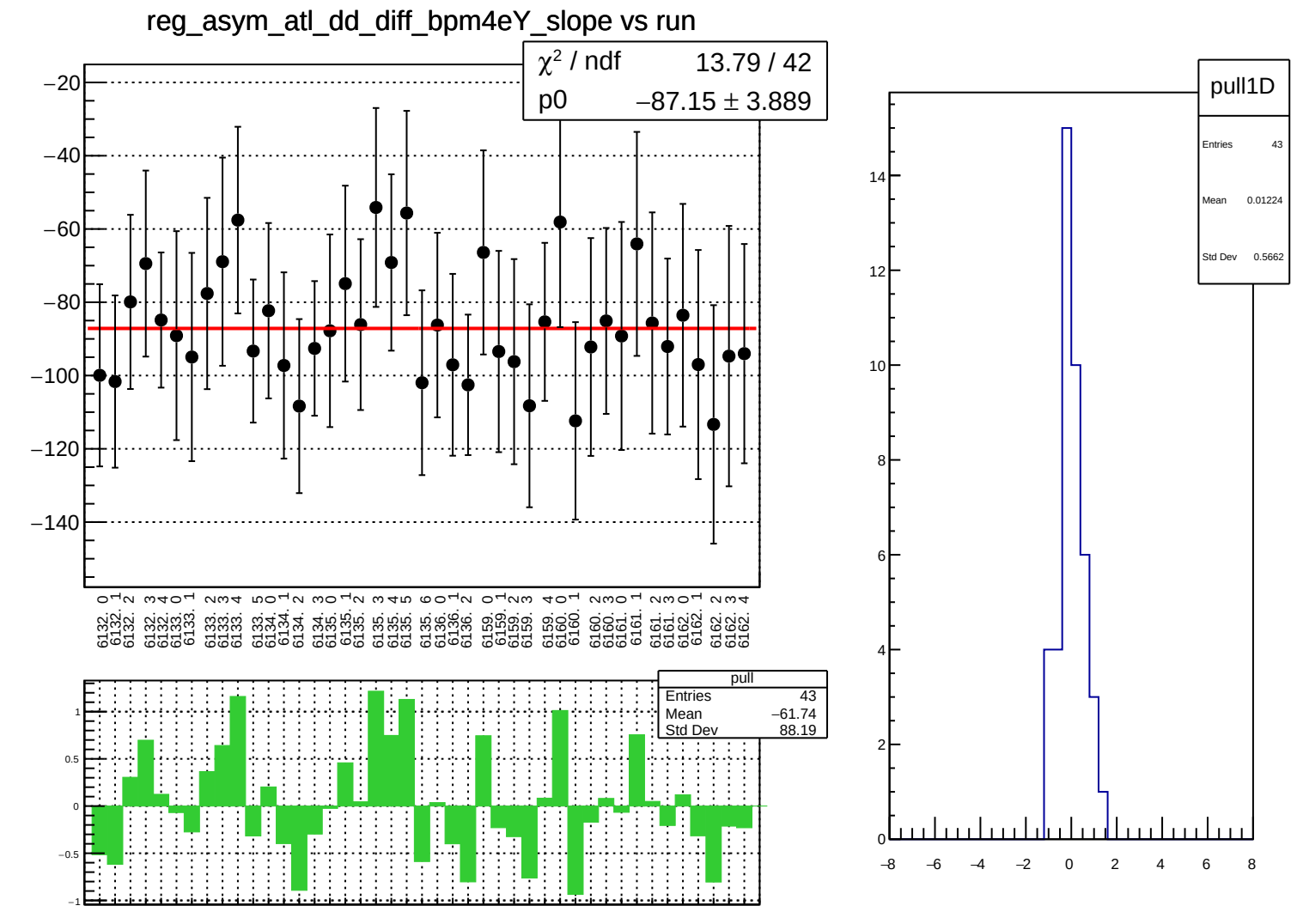

reg_asym_atl_dd_diff_bpm4aX_slope vs run
χ² / ndf 40.59 / 42
p0 225.5 ± 5.441
350
300
250
200
150
100
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 830.9
Std Dev 809.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

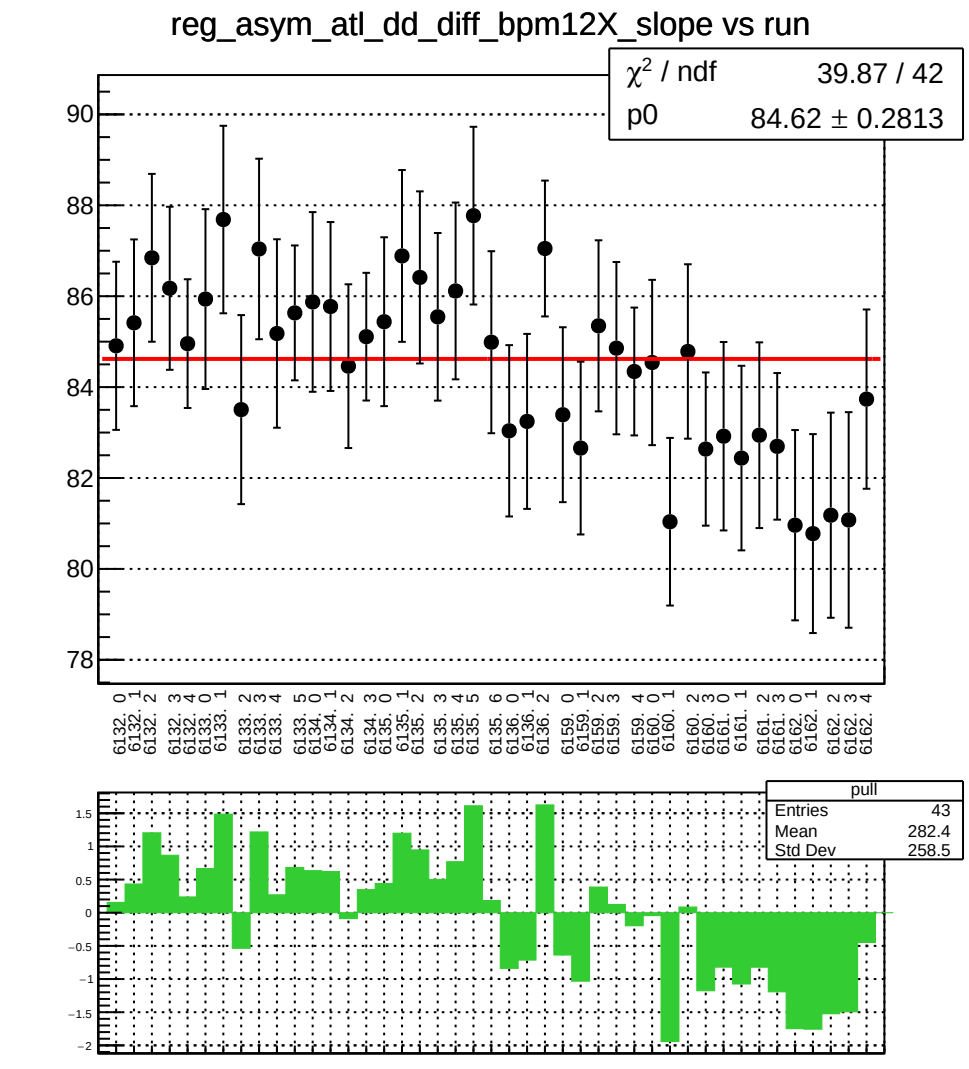

pull1D
Entries 43
Mean 0.00786
Std Dev 0.9716
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

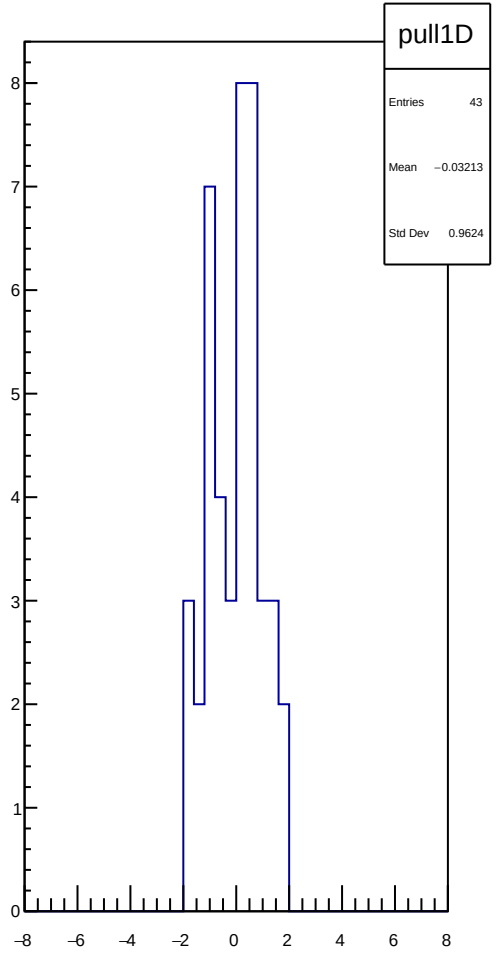

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.98 / 42
p0 22.6 ± 3.66
pull
Entries 43
Mean 1.541
Std Dev 28.45

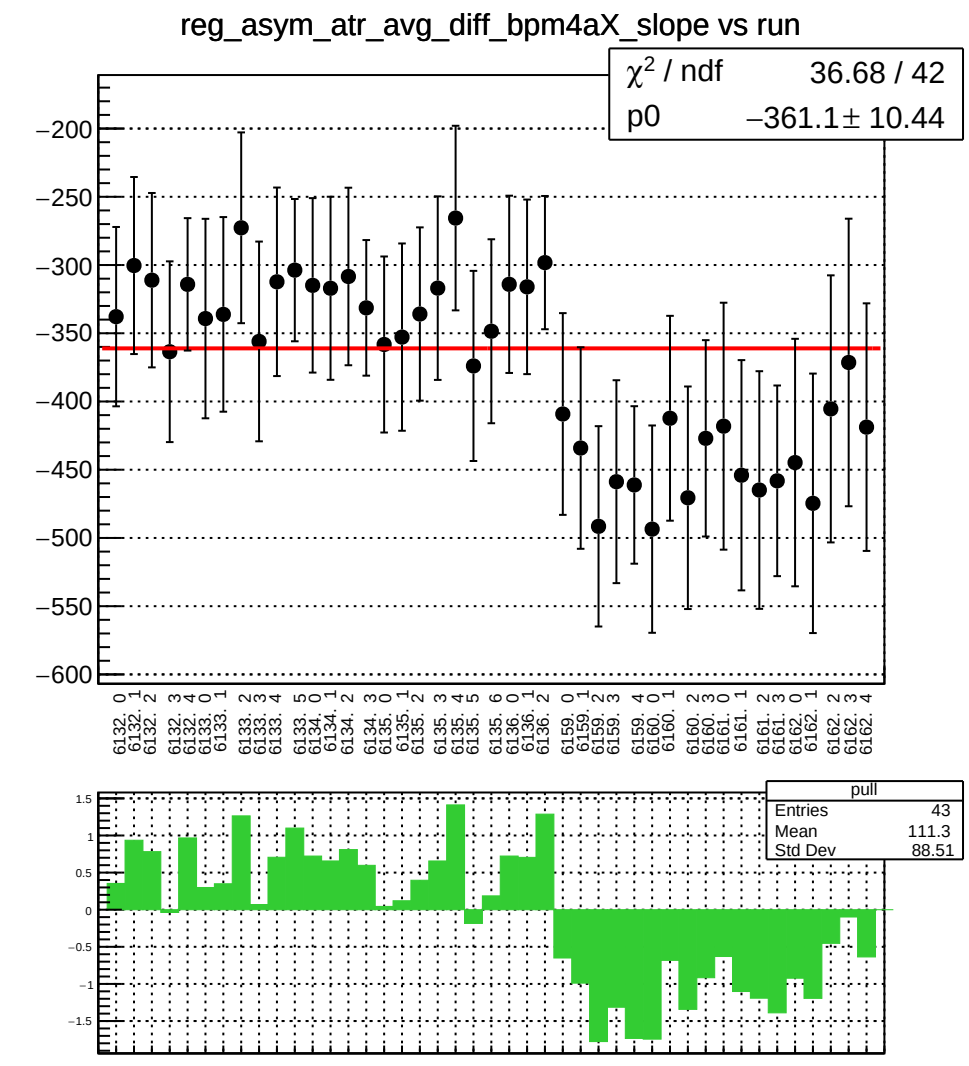

pull1D
Entries 43
Mean −0.01867
Std Dev 0.5699

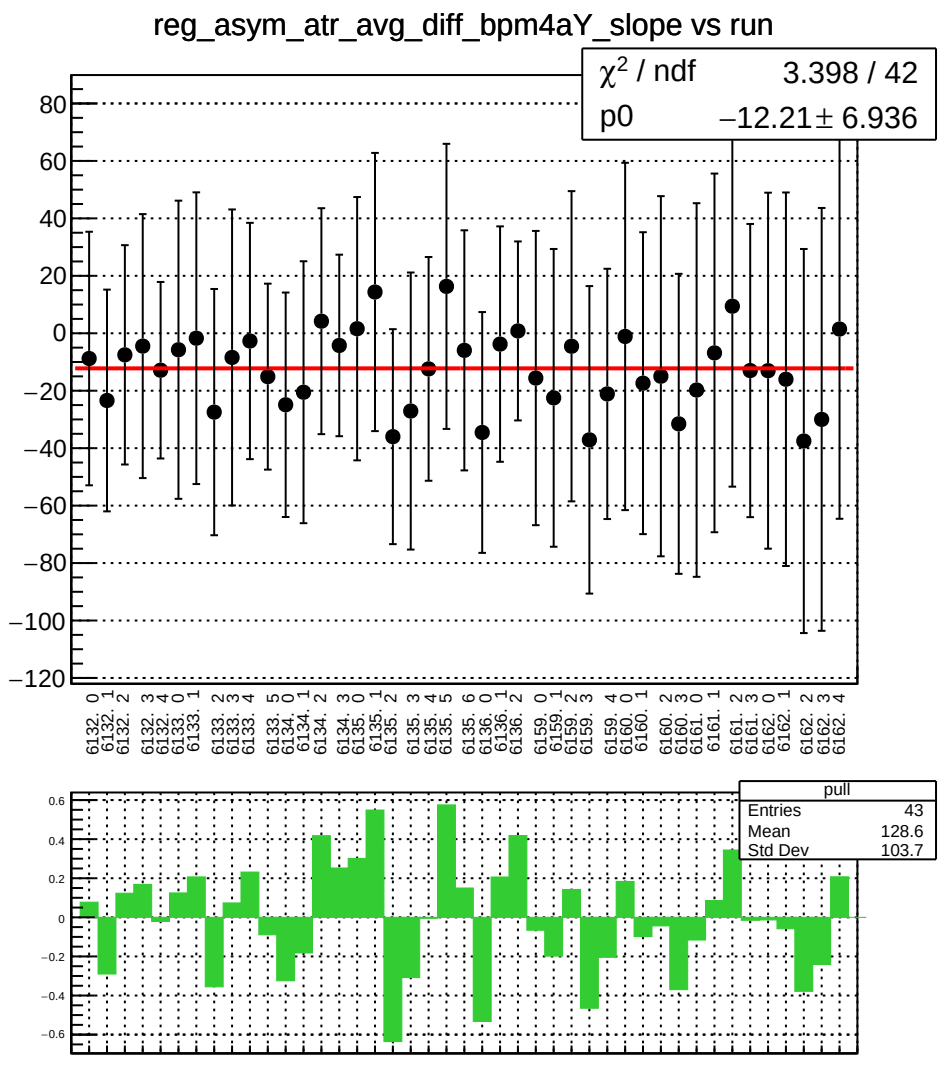

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 35.33 / 42
p0 −231.2 ± 6.338
−100
−150
−200
−250
−300
−350
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 514.5
Std Dev 493.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.01149
Std Dev 0.9063
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

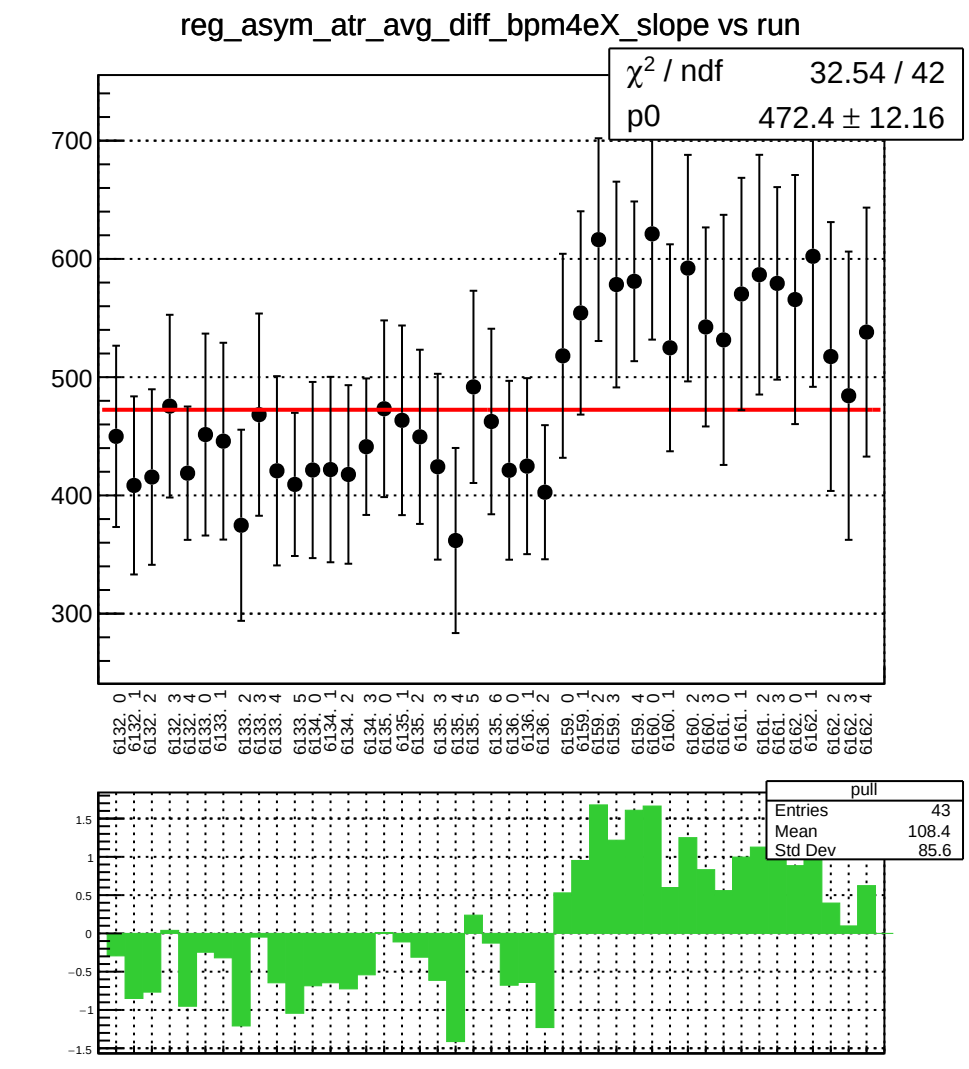

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 13.79 / 42
p0 −87.15 ± 3.889
−20
−40
−60
−80
−100
−120
−140
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −61.74
Std Dev 88.19
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean 0.01224
Std Dev 0.5662
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

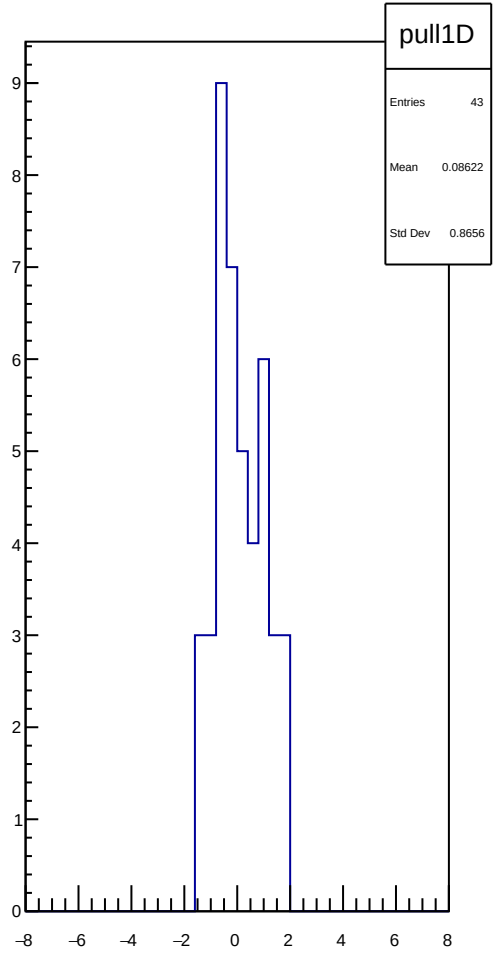

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 39.87 / 42
p0 84.62 ± 0.2813
90
88
86
84
82
80
78
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 282.4
Std Dev 258.5
1.5
1
0.5
0
−0.5
−1
−1.5
−2

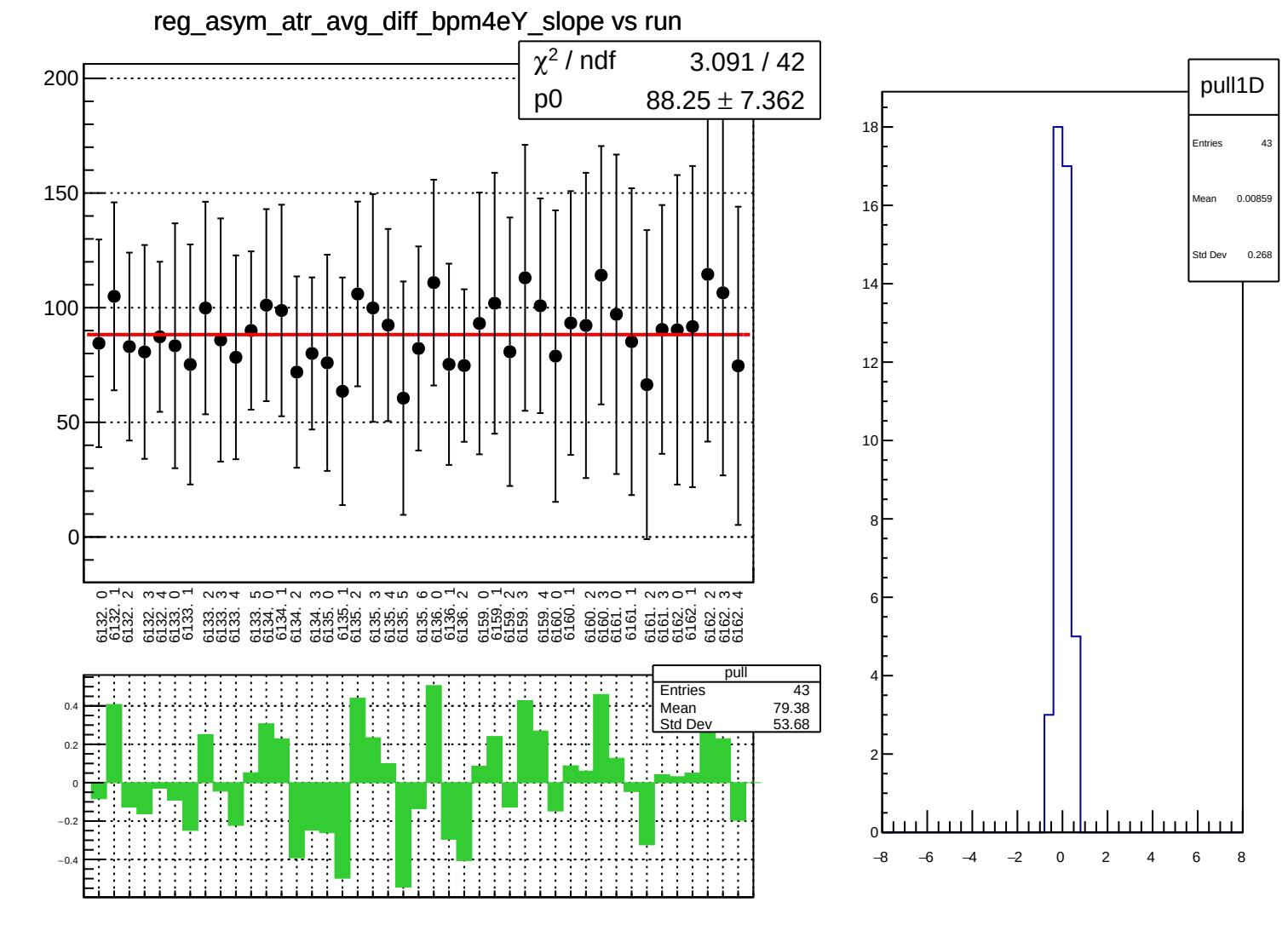

pull1D
Entries 43
Mean −0.03213
Std Dev 0.9624
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

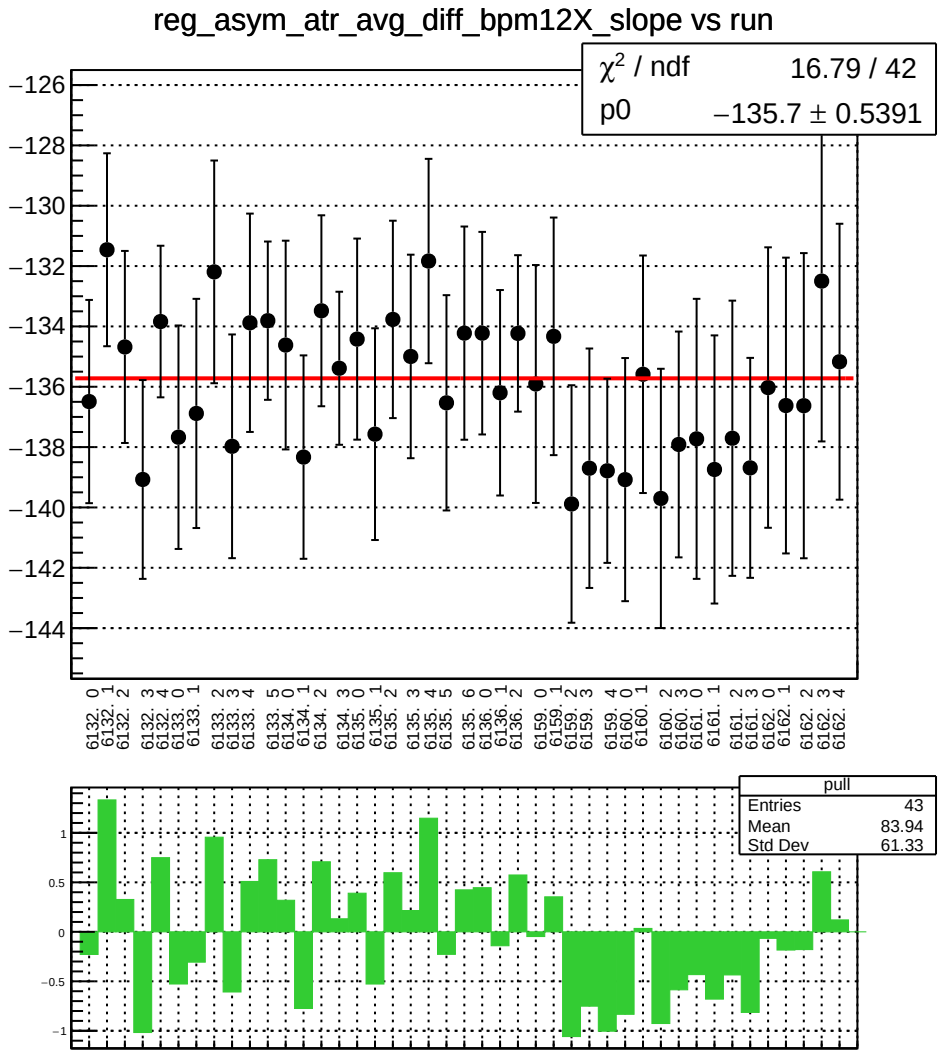

reg_asym_atr_avg_diff_bpm4aX_slope vs run
χ² / ndf 36.68 / 42
p0 −361.1± 10.44
−200
−250
−300
−350
−400
−450
−500
−550
−600
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 111.3
Std Dev 88.51
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.0894
Std Dev 0.9193
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

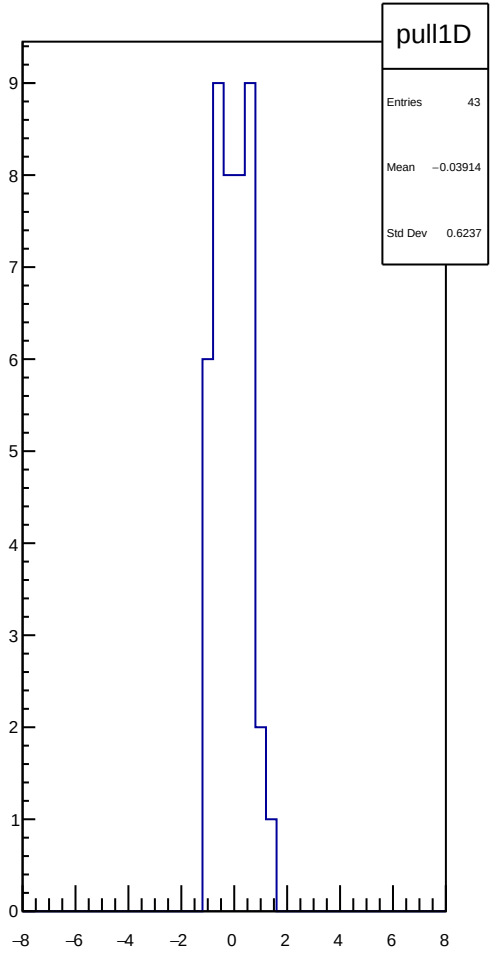

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.398 / 42
p0 −12.21± 6.936
80
60
40
20
0
−20
−40
−60
−80
−100
−120
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 128.6
Std Dev 103.7
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 43
Mean −0.003977
Std Dev 0.2811
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

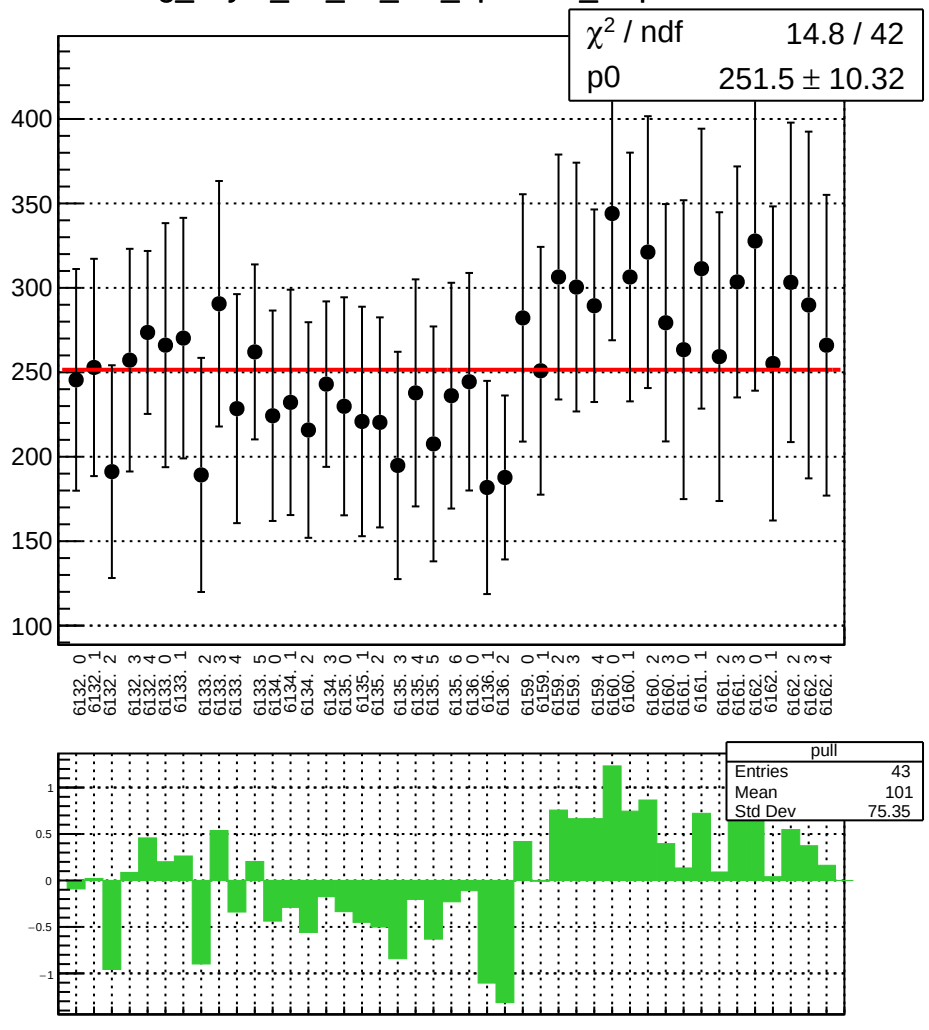

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 32.54 / 42
p0 472.4 ± 12.16
700
600
500
400
300
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 108.4
Std Dev 85.6
1.5
1
0.5
0
−0.5
−1
−1.5

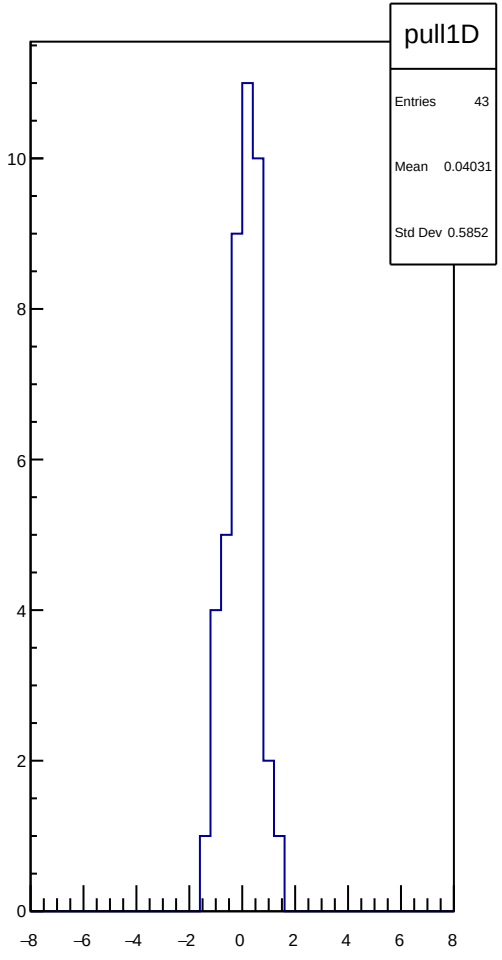

pull1D
Entries 43
Mean 0.08622
Std Dev 0.8656
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

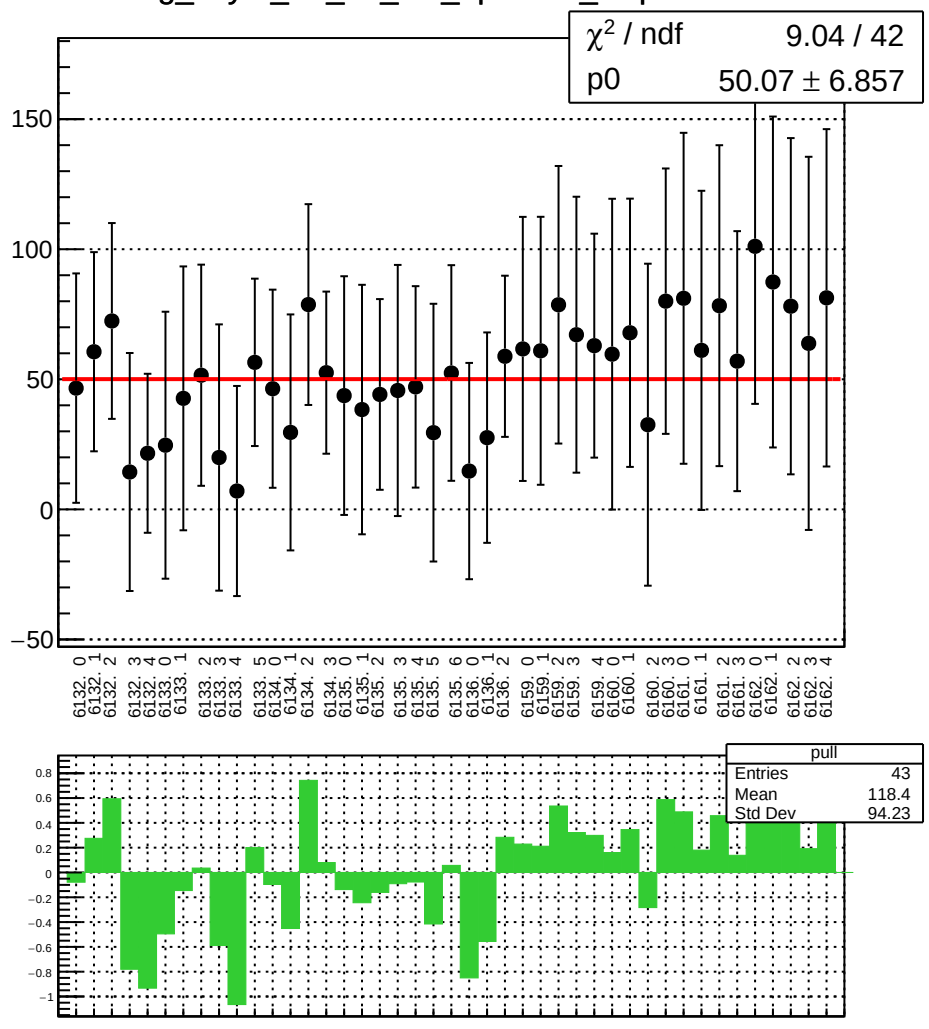

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.091 / 42
p0 88.25 ± 7.362
200
150
100
50
0
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 79.38
Std Dev 53.68
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 43
Mean 0.00859
Std Dev 0.268
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

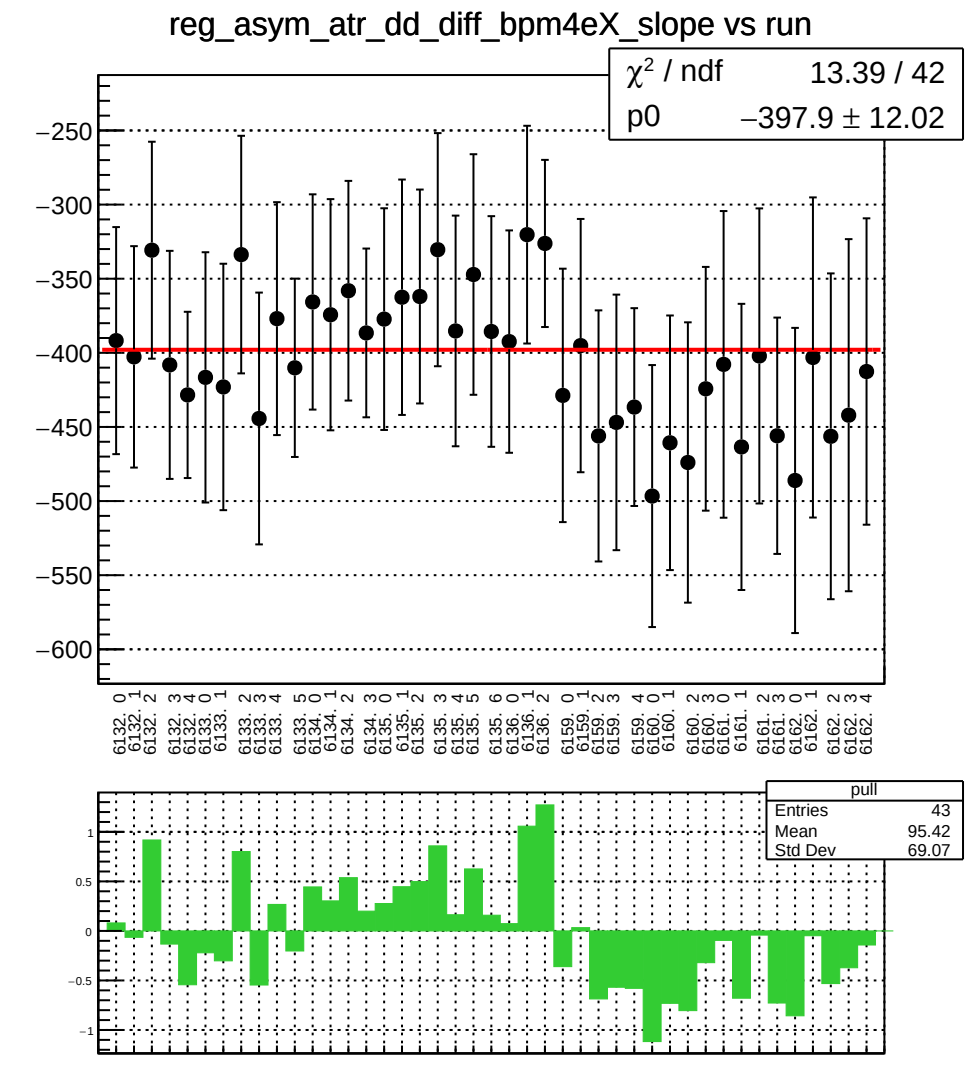

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 16.79 / 42
p0 −135.7 ± 0.5391
pull
Entries 43
Mean 83.94
Std Dev 61.33

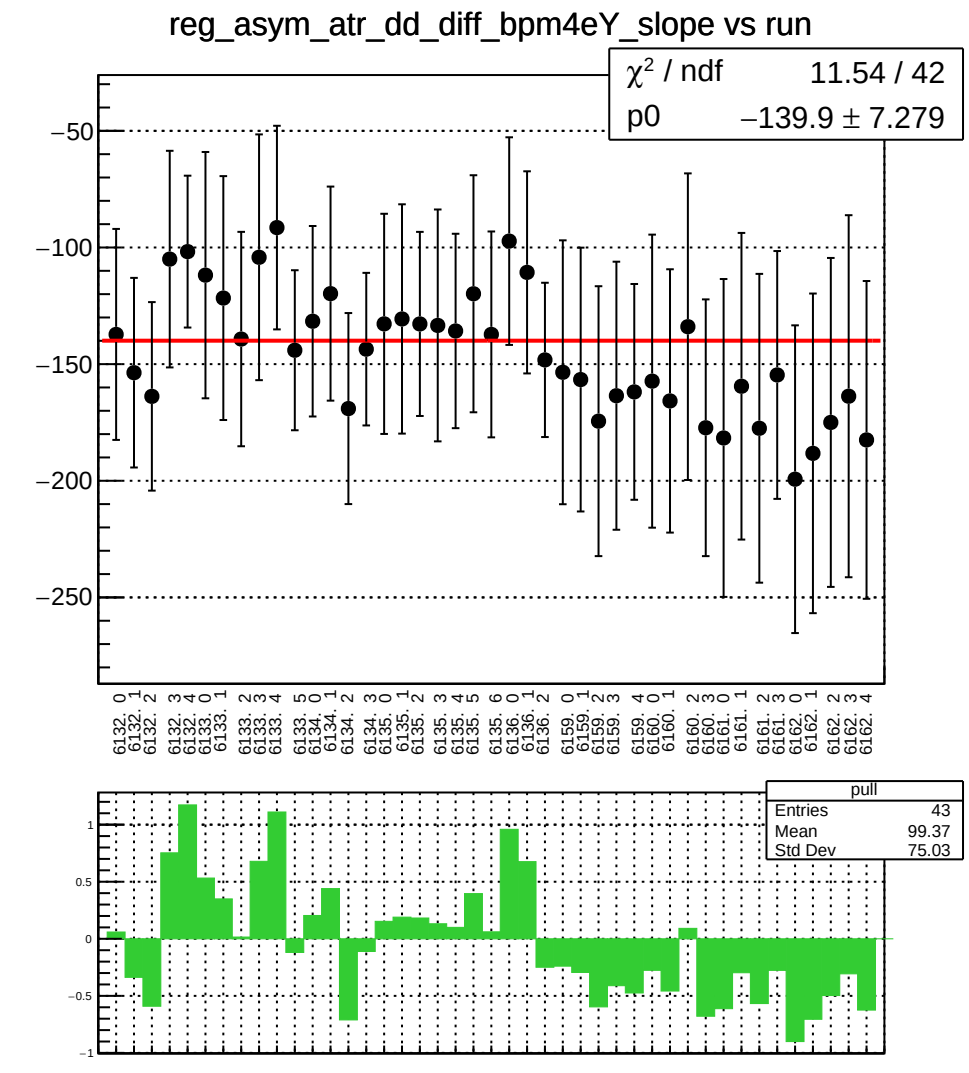

pull1D
Entries 43
Mean −0.03914
Std Dev 0.6237

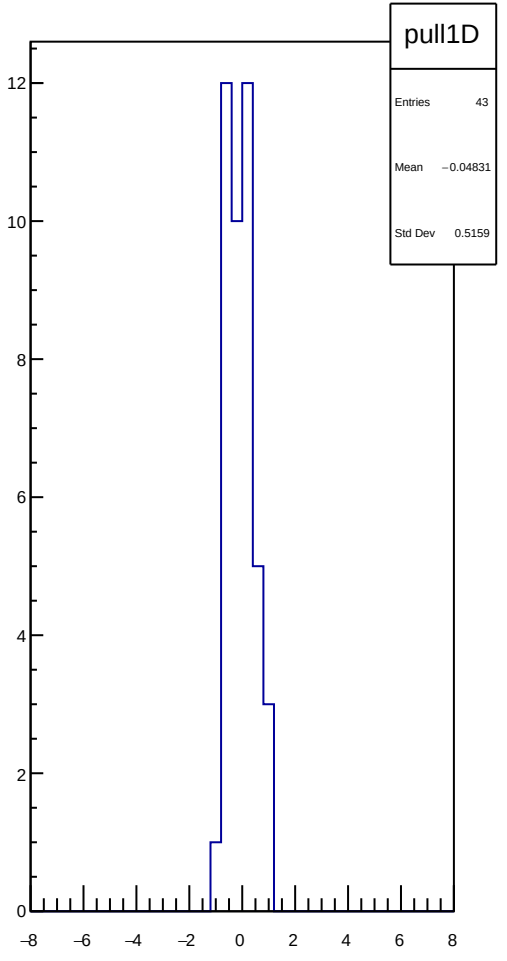

reg_asym_atr_dd_diff_bpm4aX_slope vs run
χ² / ndf 14.8 / 42
p0 251.5 ± 10.32
400
350
300
250
200
150
100
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 101
Std Dev 75.35
1
0.5
0
−0.5
−1

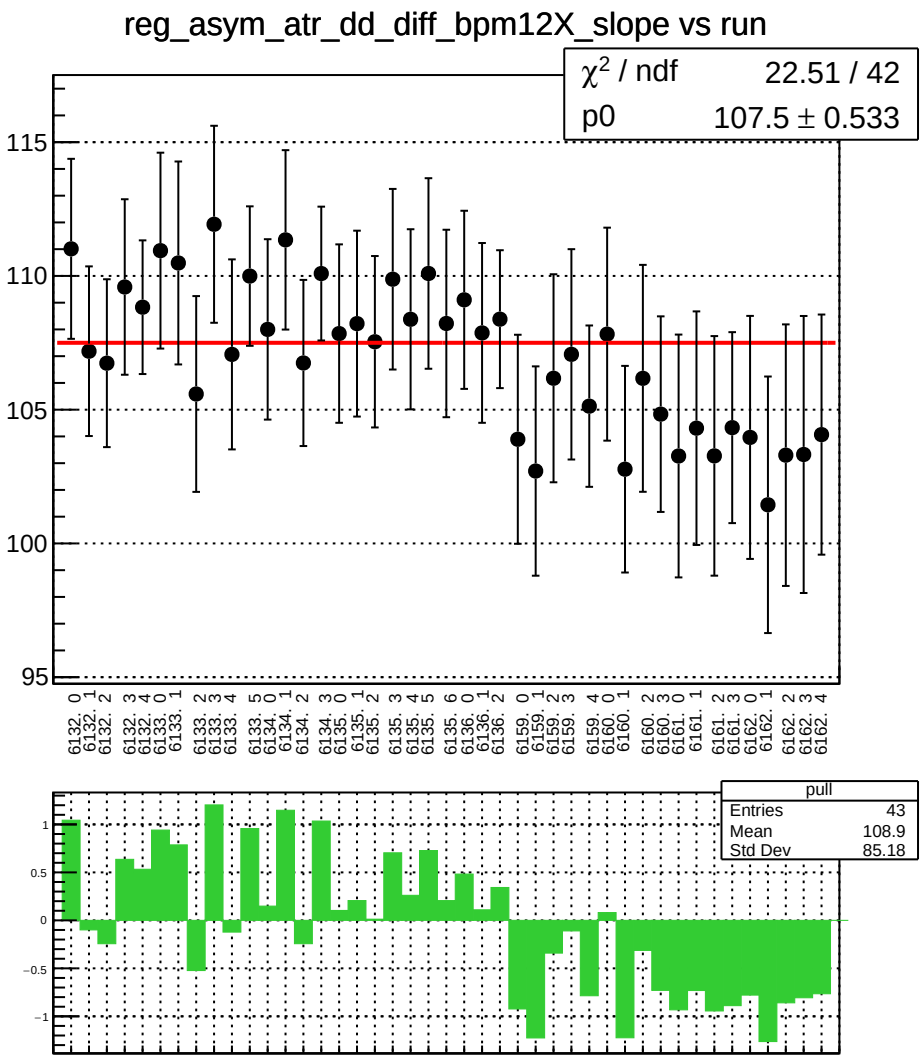

pull1D
Entries 43
Mean 0.04031
Std Dev 0.5852
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

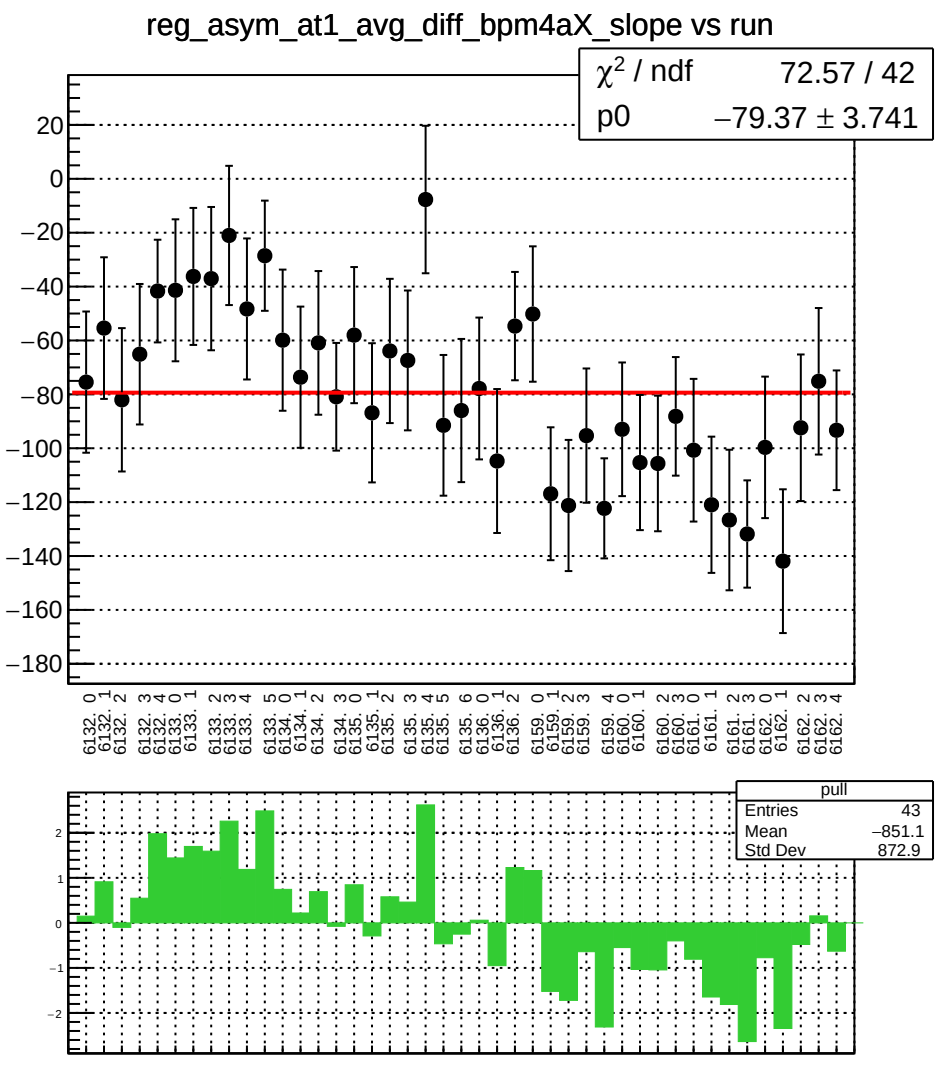

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.04 / 42
p0 50.07 ± 6.857
150
100
50
0
−50
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 118.4
Std Dev 94.23
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 43
Mean 0.03054
Std Dev 0.4575
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

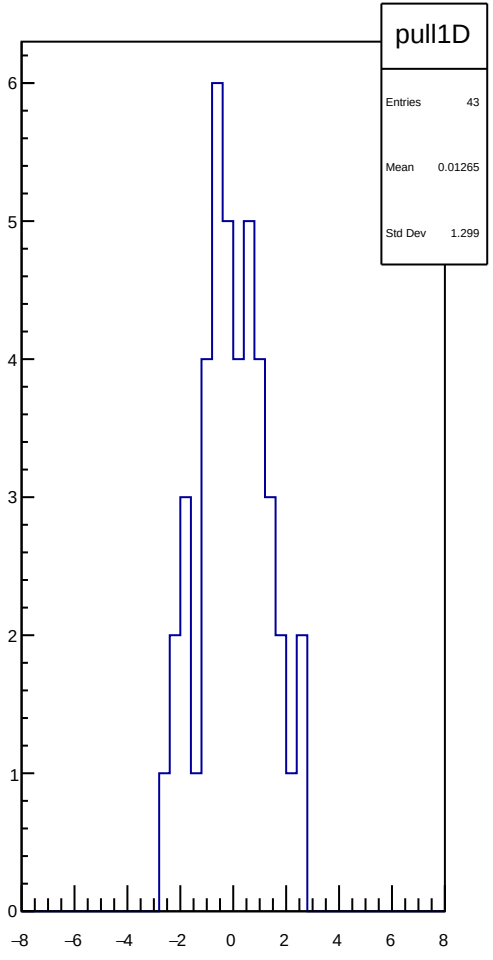

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 13.39 / 42
p0 −397.9 ± 12.02
−250
−300
−350
−400
−450
−500
−550
−600
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 95.42
Std Dev 69.07
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean −0.03856
Std Dev 0.5567
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

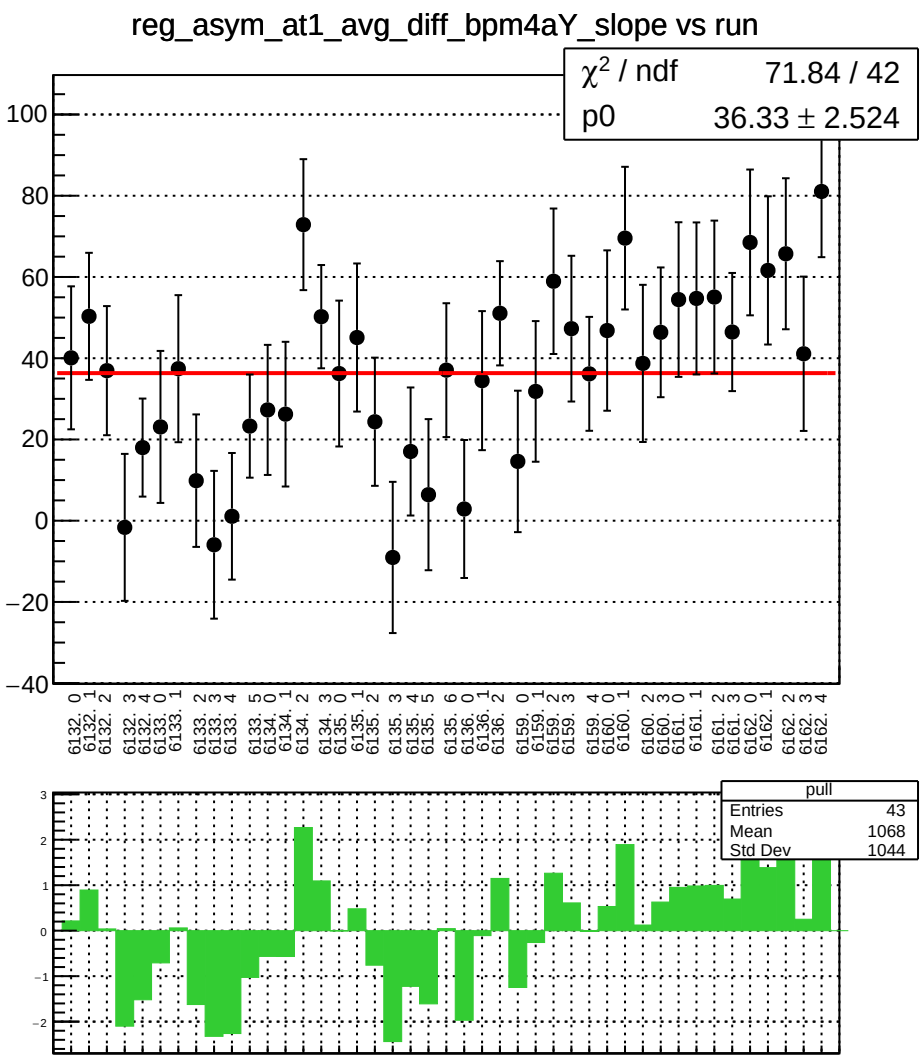

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.54 / 42
p0 −139.9 ± 7.279
−50
−100
−150
−200
−250
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 99.37
Std Dev 75.03
1
0.5
0
−0.5
−1

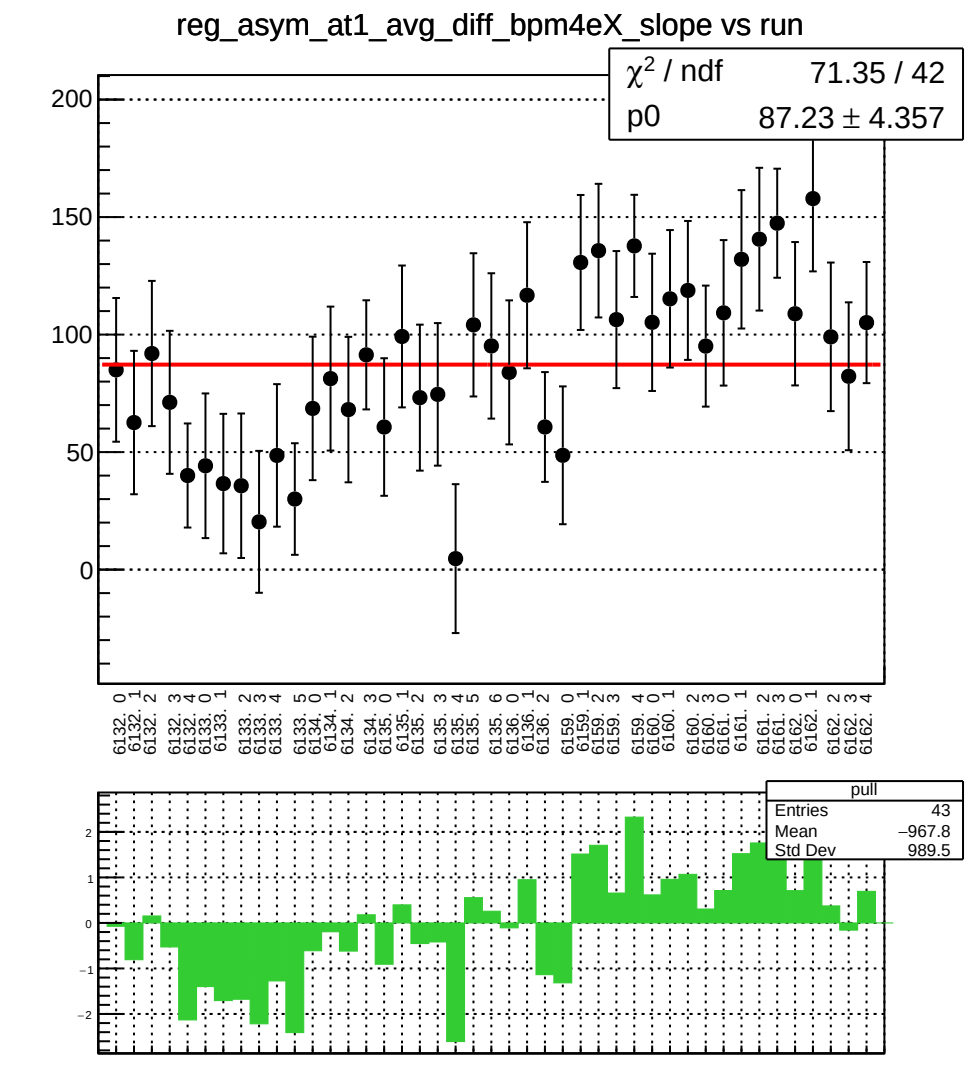

pull1D
Entries 43
Mean −0.04831
Std Dev 0.5159
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

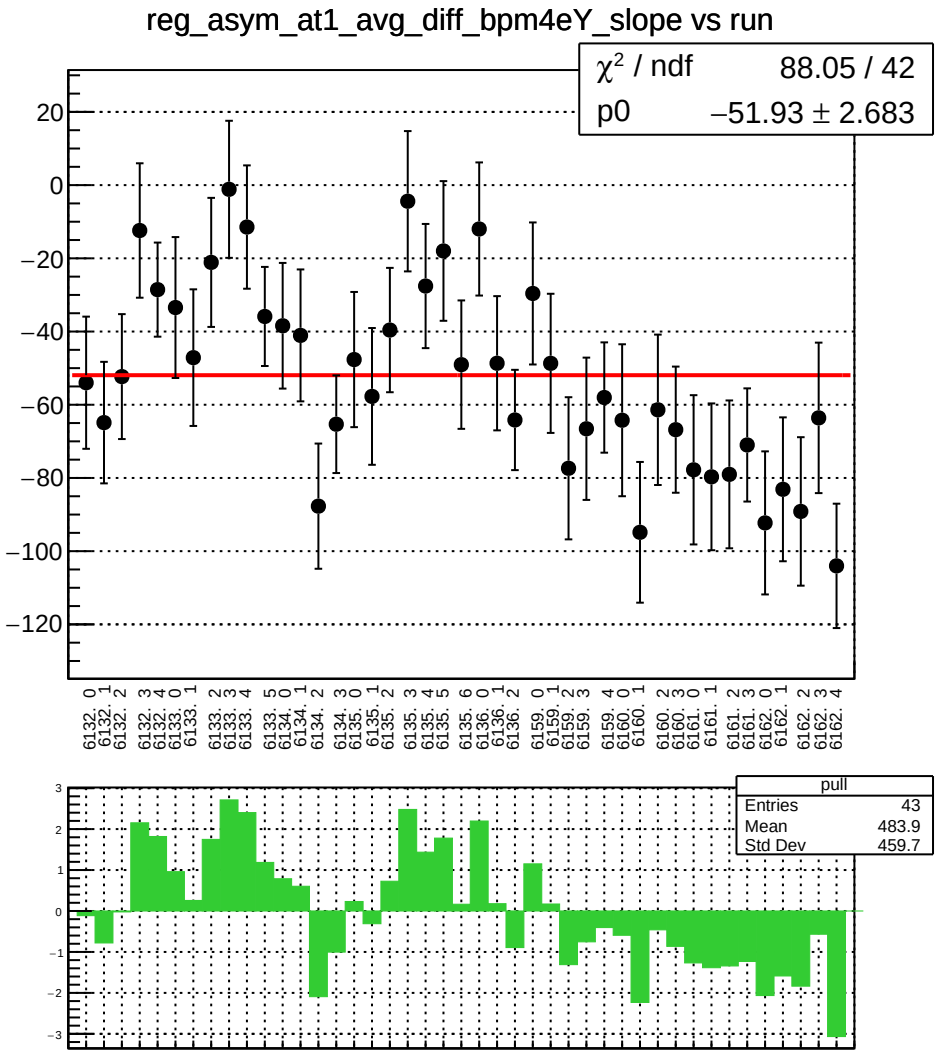

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 22.51 / 42
p0 107.5 ± 0.533
115
110
105
100
95
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 108.9
Std Dev 85.18
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean −0.07402
Std Dev 0.7198
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

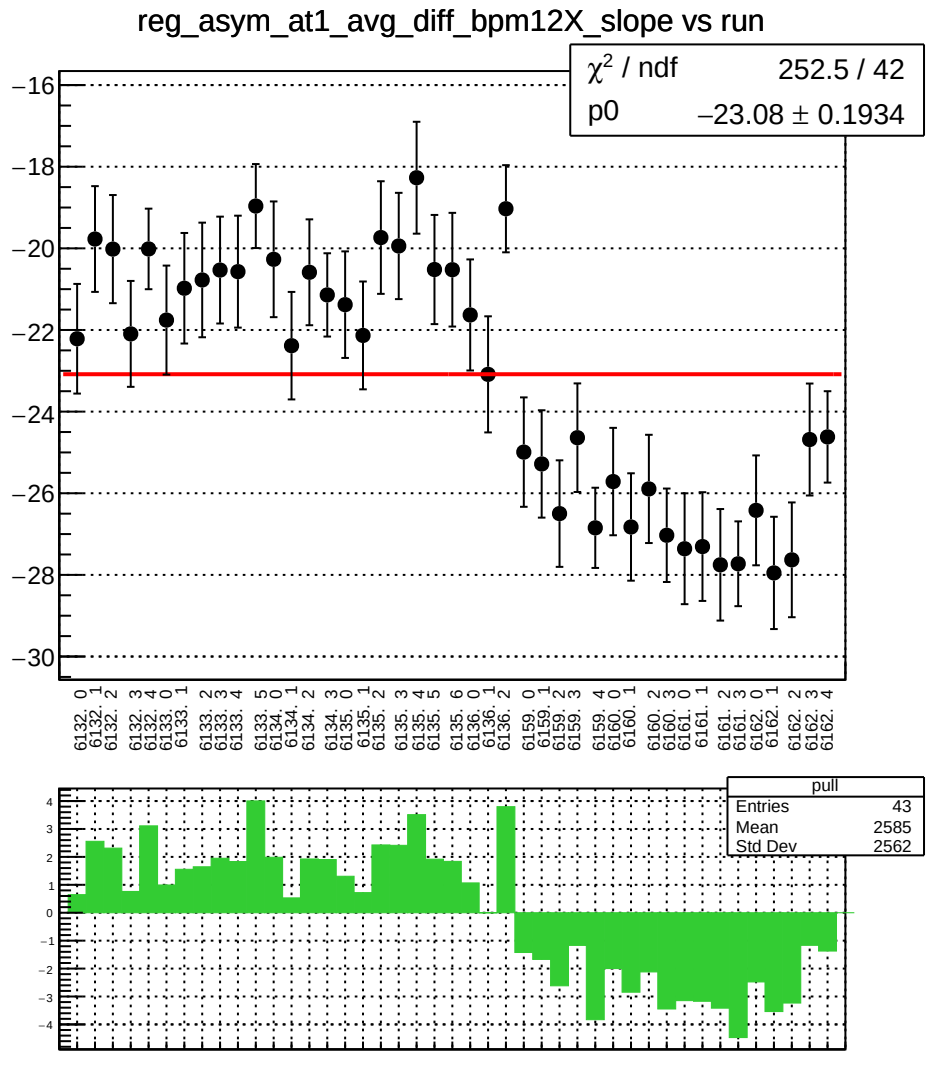

reg_asym_at1_avg_diff_bpm4aX_slope vs run
χ² / ndf 72.57 / 42
p0 −79.37 ± 3.741
20
0
−20
−40
−60
−80
−100
−120
−140
−160
−180
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −851.1
Std Dev 872.9
2
1
0
−1
−2

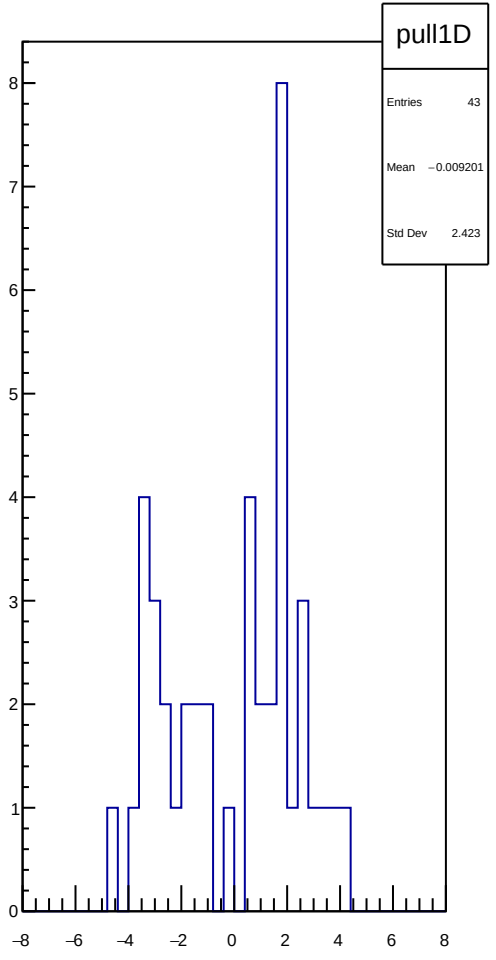

pull1D
Entries 43
Mean 0.01265
Std Dev 1.299
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

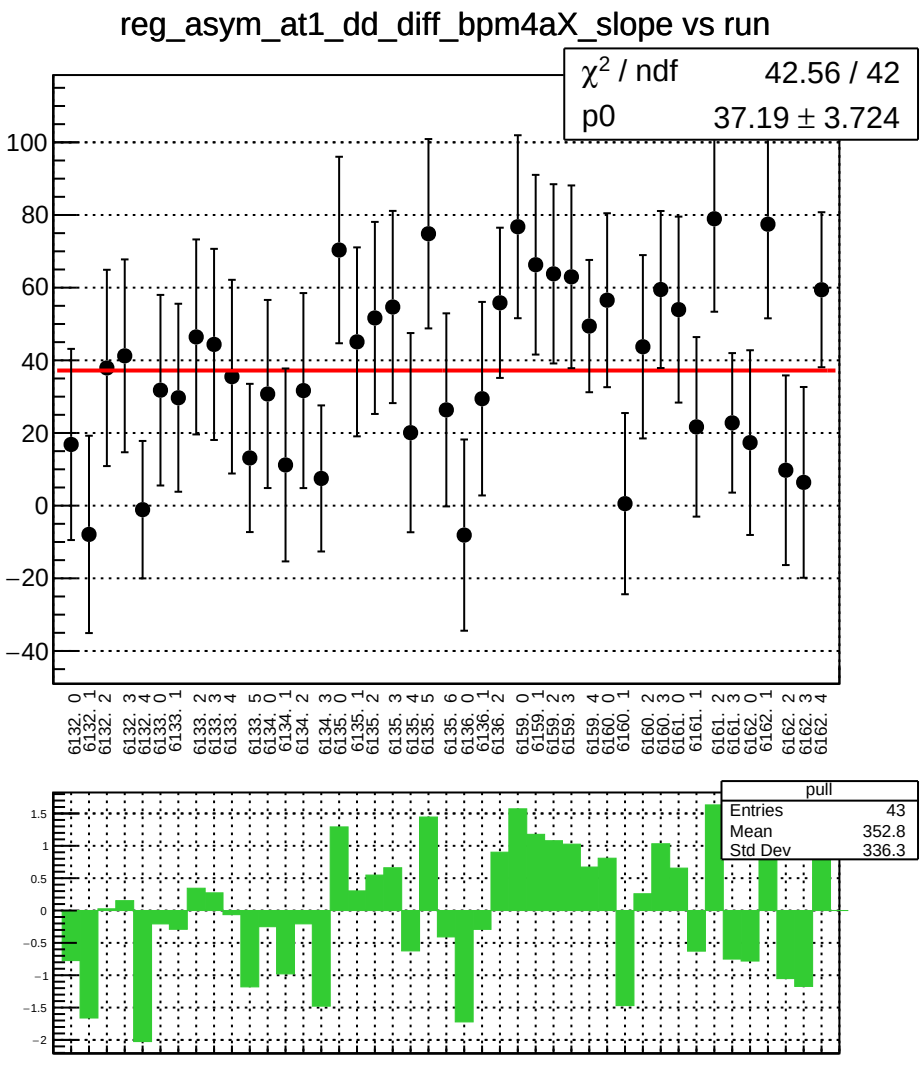

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 71.84 / 42
p0 36.33 ± 2.524
100
80
60
40
20
0
−20
−40
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 1068
Std Dev 1044
3
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.008428
Std Dev 1.293
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

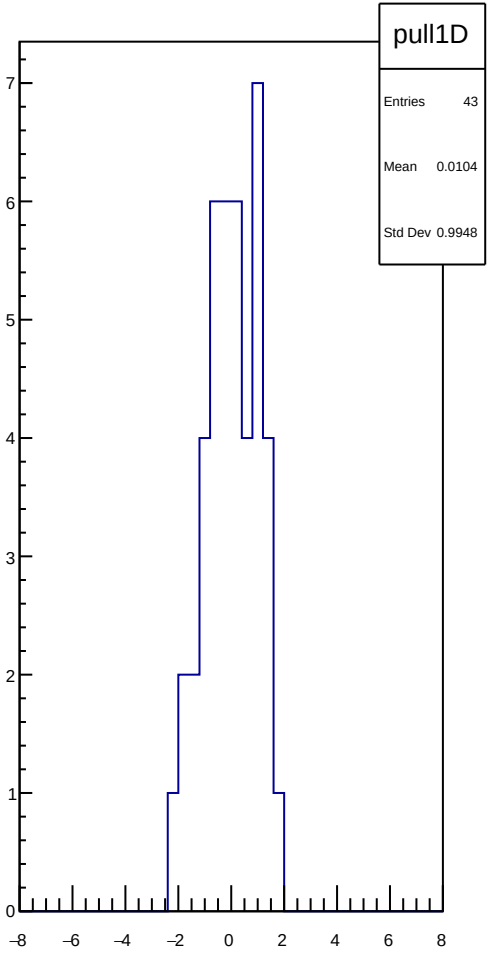

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 71.35 / 42
p0 87.23 ± 4.357
200
150
100
50
0
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −967.8
Std Dev 989.5
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.01081
Std Dev 1.288
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

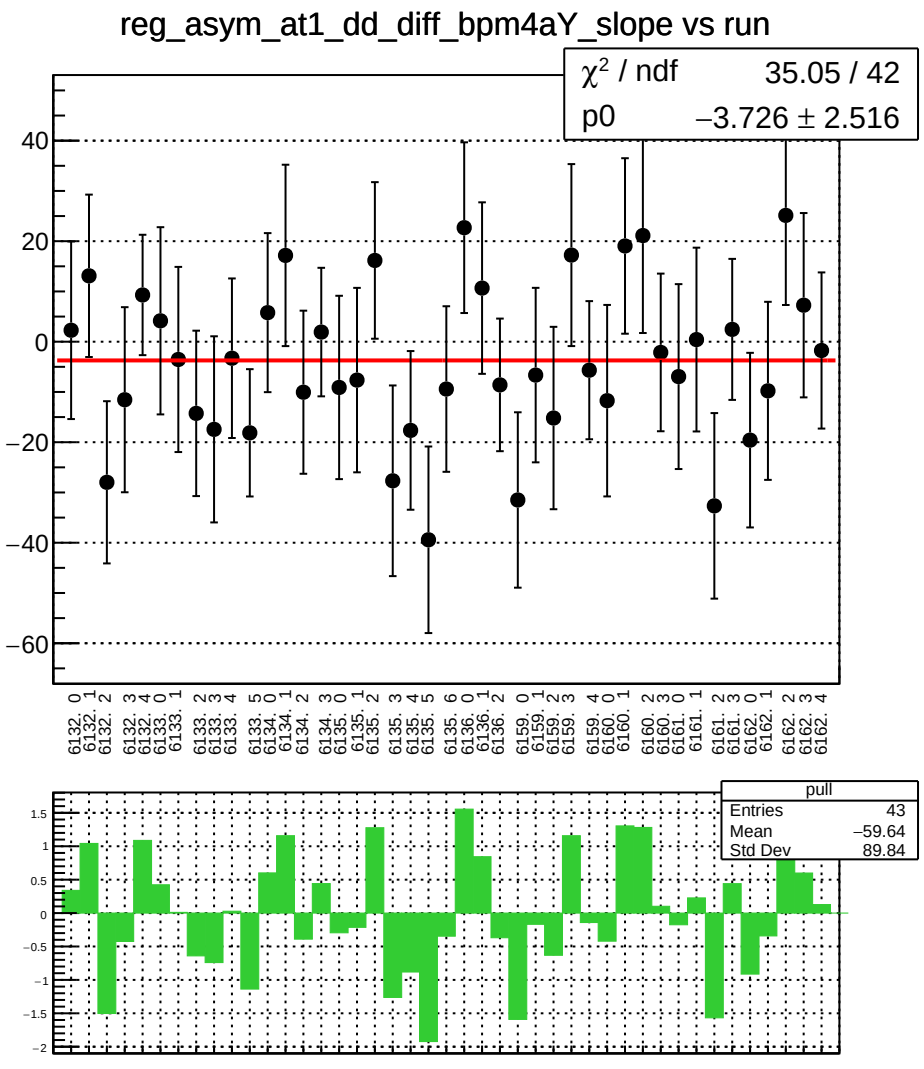

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 88.05 / 42
p0 −51.93 ± 2.683
20
0
−20
−40
−60
−80
−100
−120
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 483.9
Std Dev 459.7
3
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean −0.02417
Std Dev 1.431
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

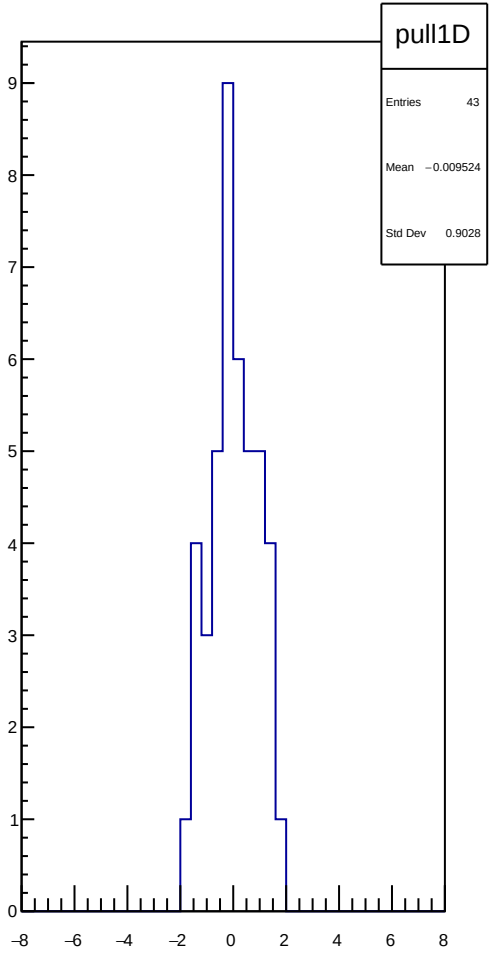

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 252.5 / 42
p0 −23.08 ± 0.1934
pull
Entries 43
Mean 2585
Std Dev 2562

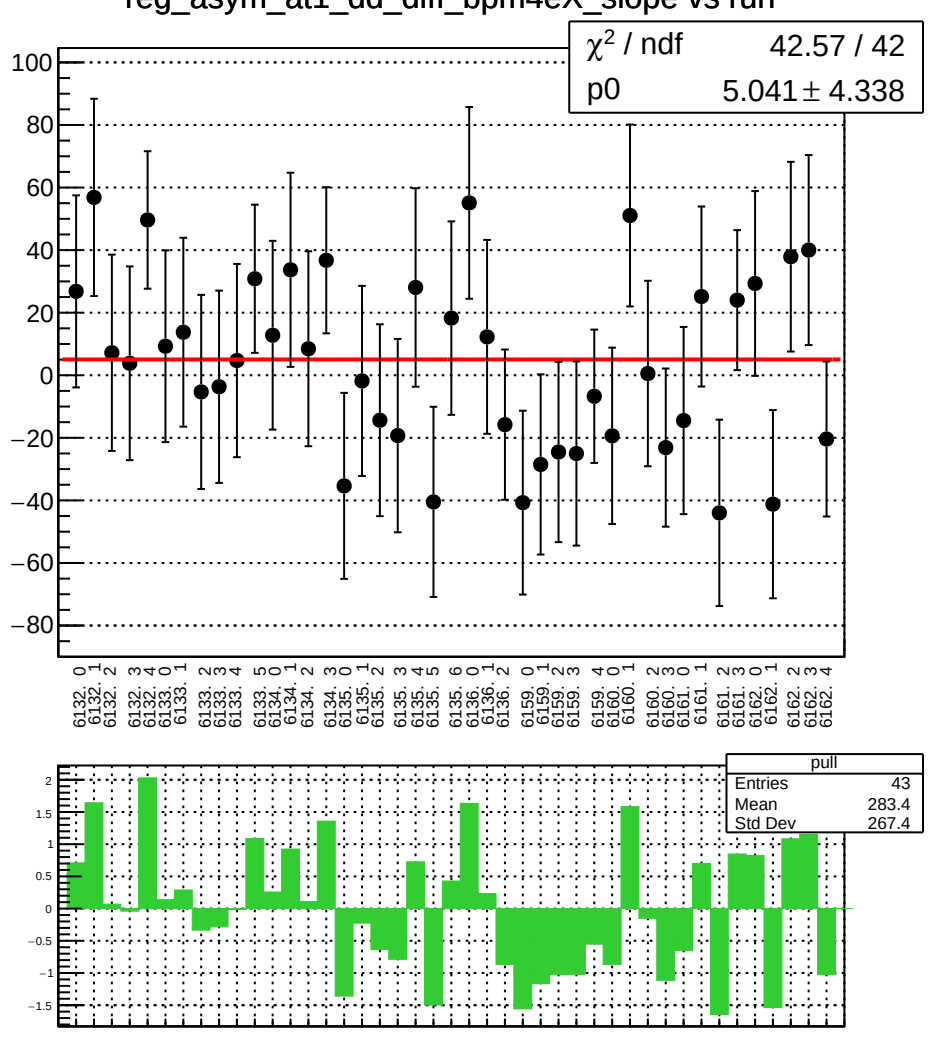

pull1D
Entries 43
Mean −0.009201
Std Dev 2.423

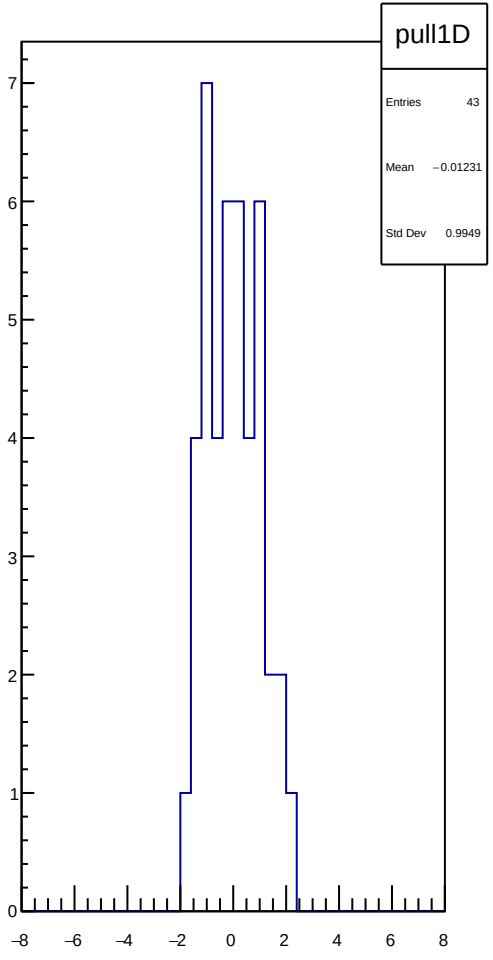

reg_asym_at1_dd_diff_bpm4aX_slope vs run
χ² / ndf 42.56 / 42
p0 37.19 ± 3.724
pull
Entries 43
Mean 352.8
Std Dev 336.3

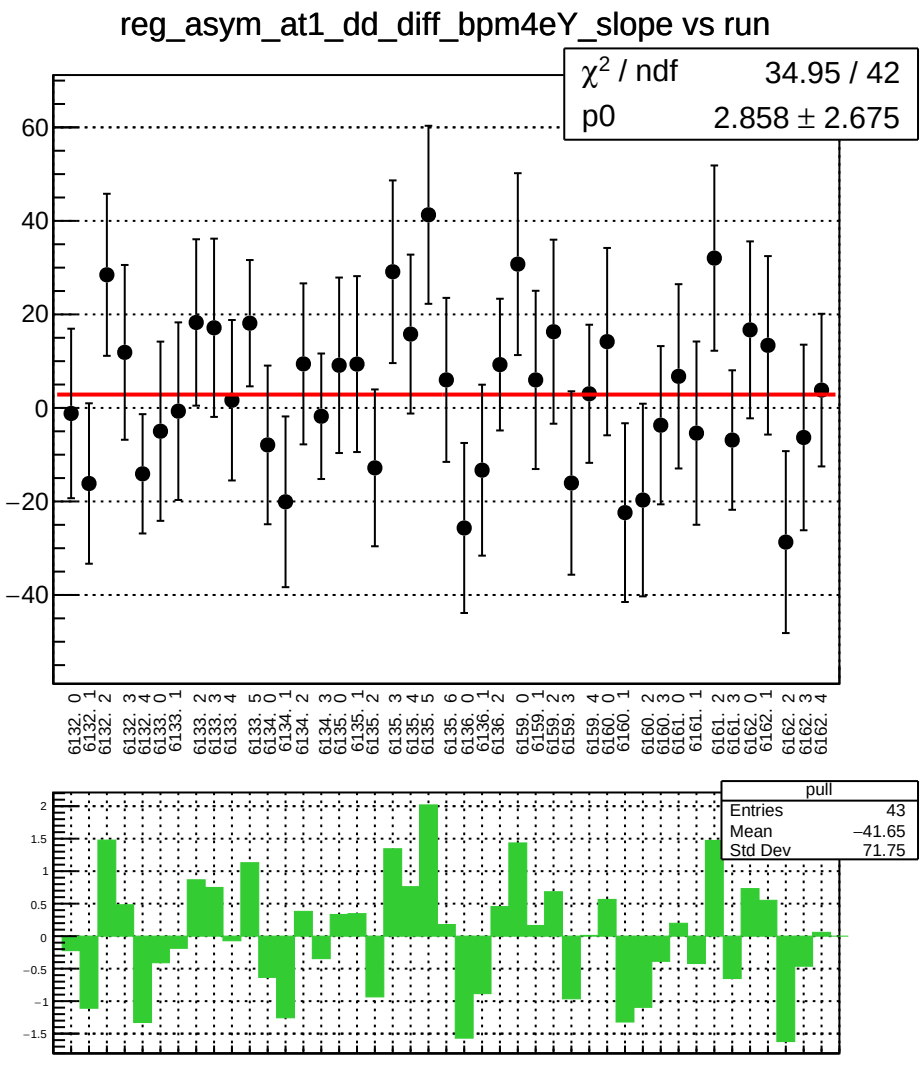

pull1D
Entries 43
Mean 0.0104
Std Dev 0.9948

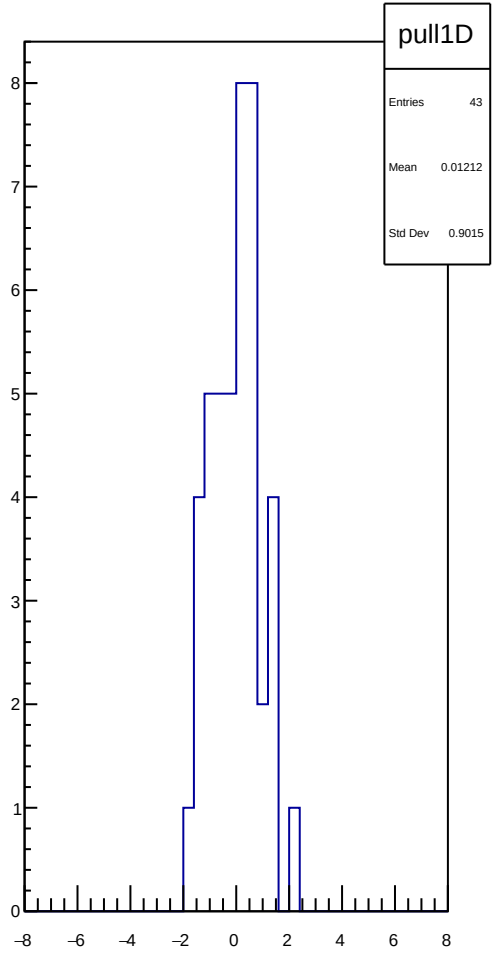

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 35.05 / 42
p0 −3.726 ± 2.516
40
20
0
−20
−40
−60
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −59.64
Std Dev 89.84
1.5
1
0.5
0
−0.5
−1
−1.5
−2

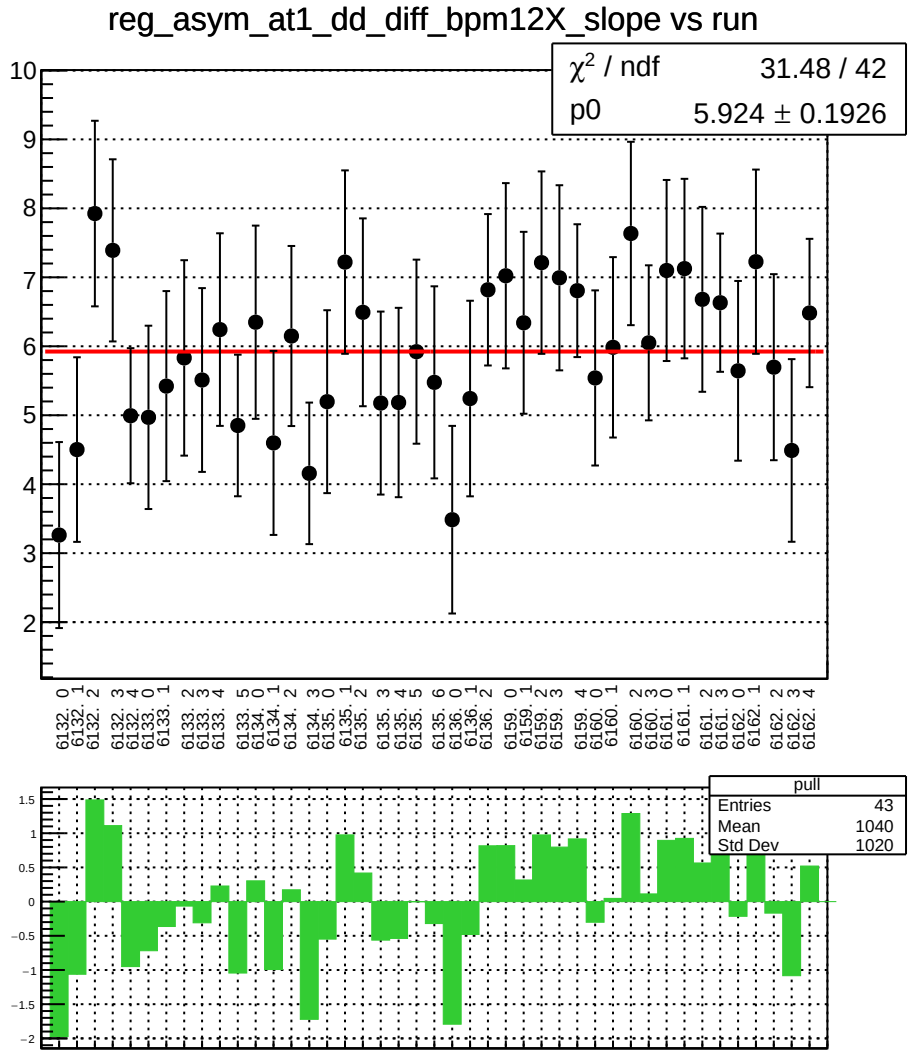

pull1D
Entries 43
Mean −0.009524
Std Dev 0.9028
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

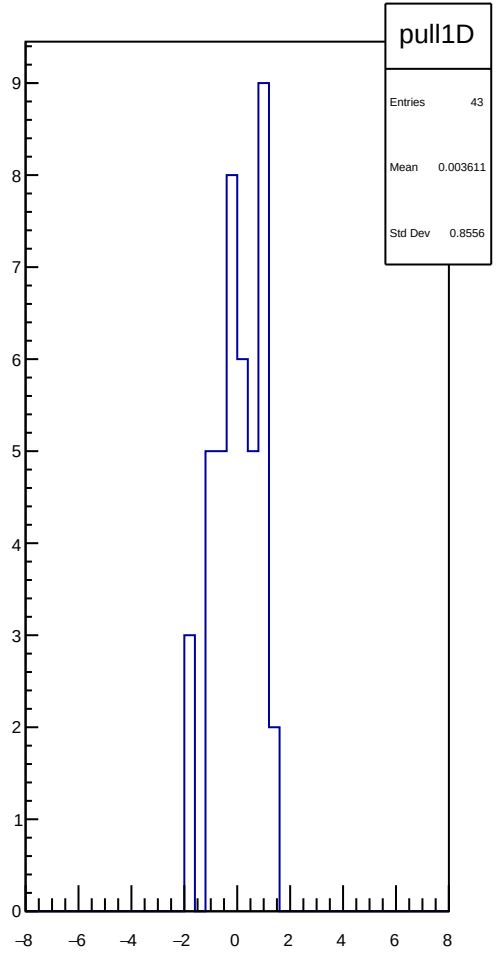

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 42.57 / 42
p0 5.041 ± 4.338
pull
Entries 43
Mean 283.4
Std Dev 267.4

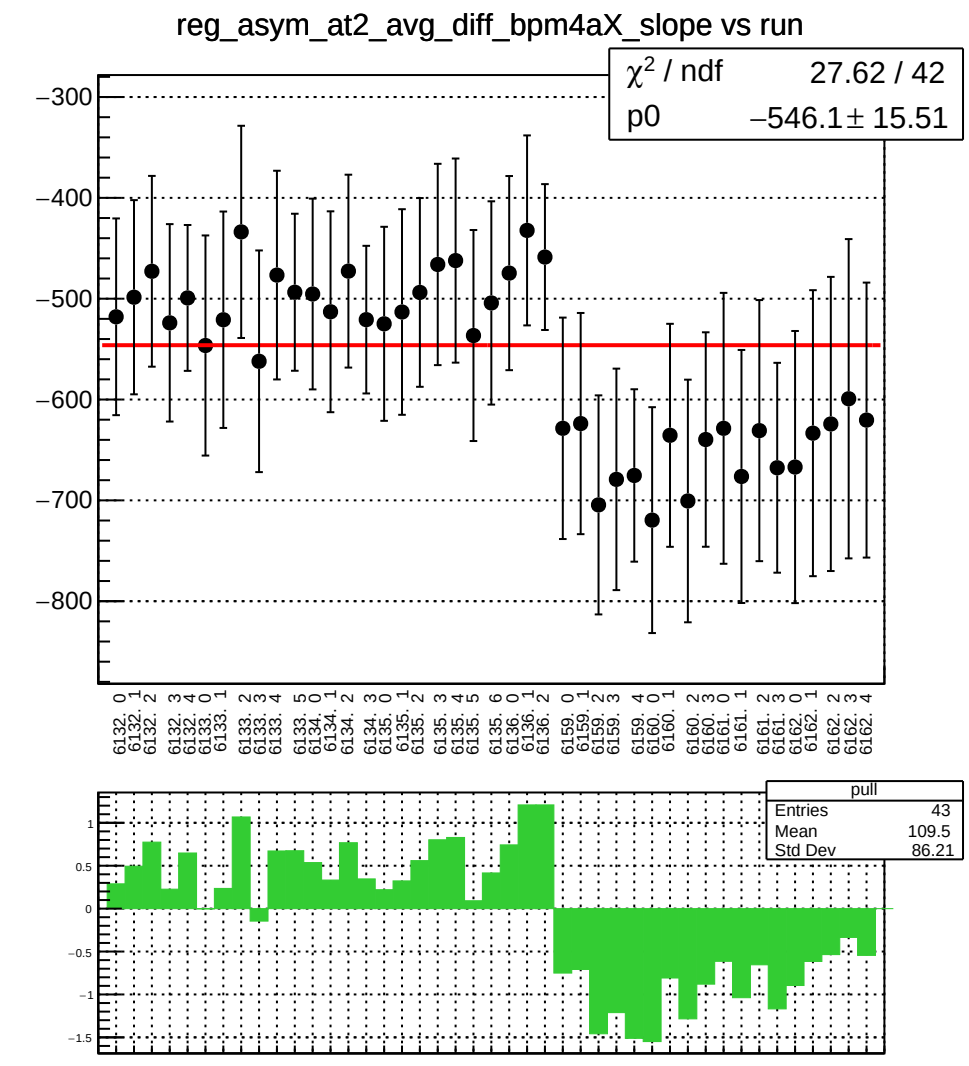

pull1D
Entries 43
Mean −0.01231
Std Dev 0.9949

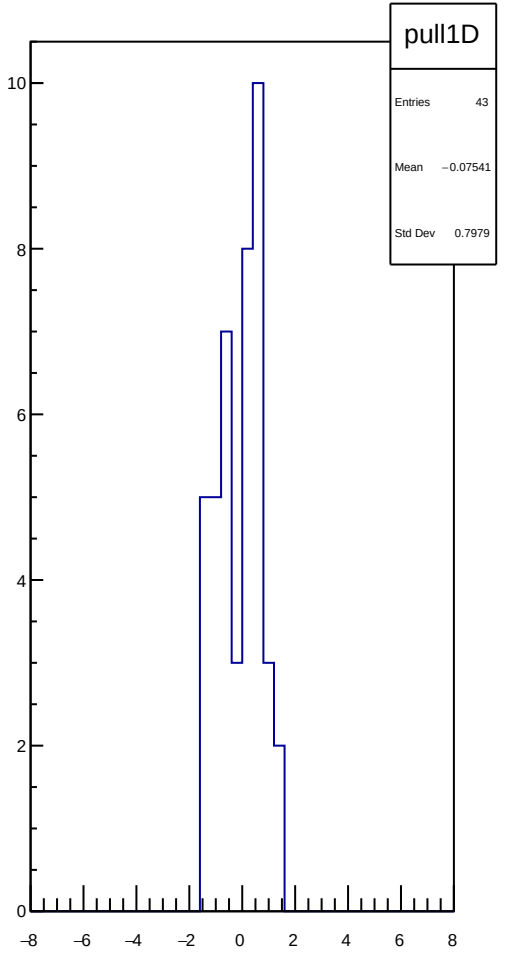

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 34.95 / 42
p0 2.858 ± 2.675
60
40
20
0
−20
−40
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −41.65
Std Dev 71.75
2
1.5
1
0.5
0
−0.5
−1
−1.5

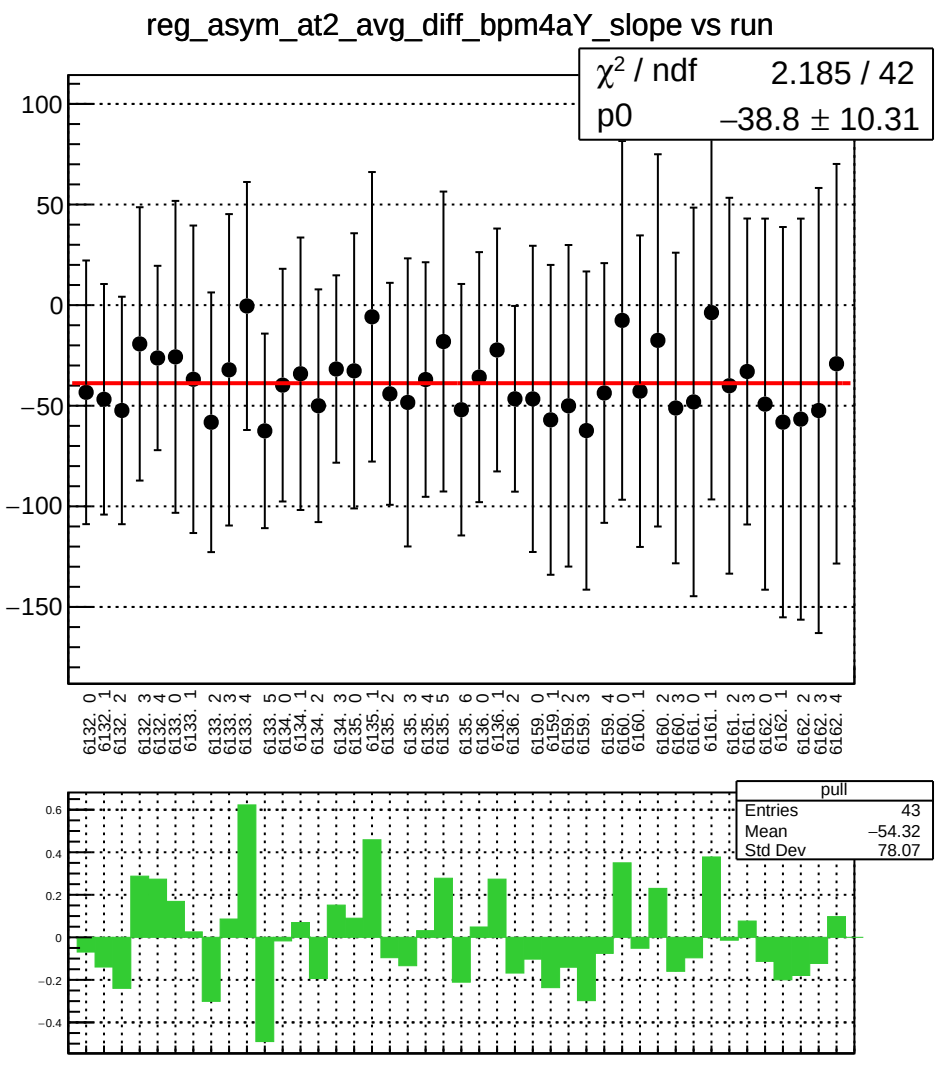

pull1D
Entries 43
Mean 0.01212
Std Dev 0.9015
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

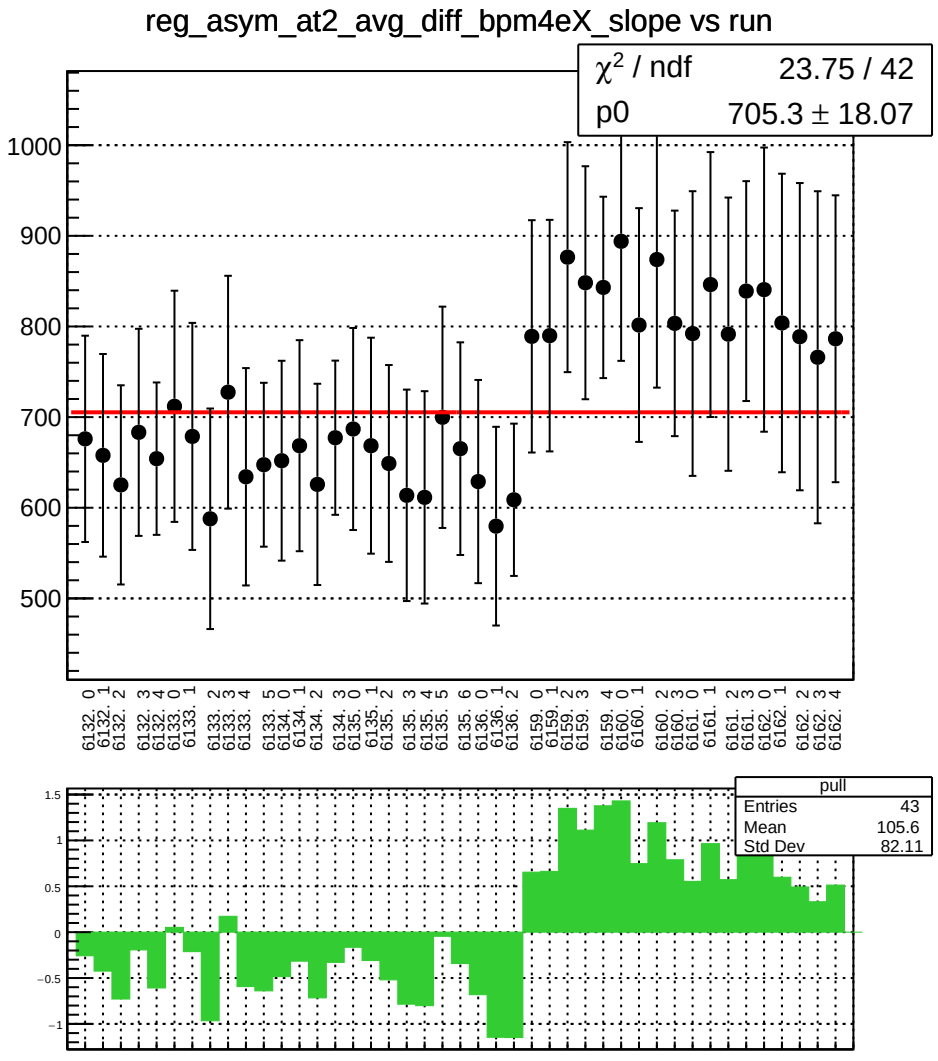

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 31.48 / 42
p0 5.924 ± 0.1926
pull
Entries 43
Mean 1040
Std Dev 1020

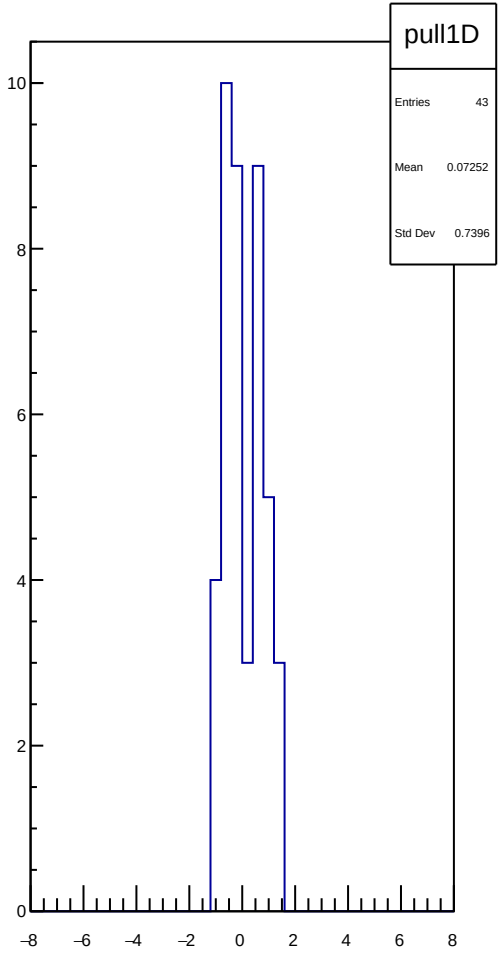

pull1D
Entries 43
Mean 0.003611
Std Dev 0.8556

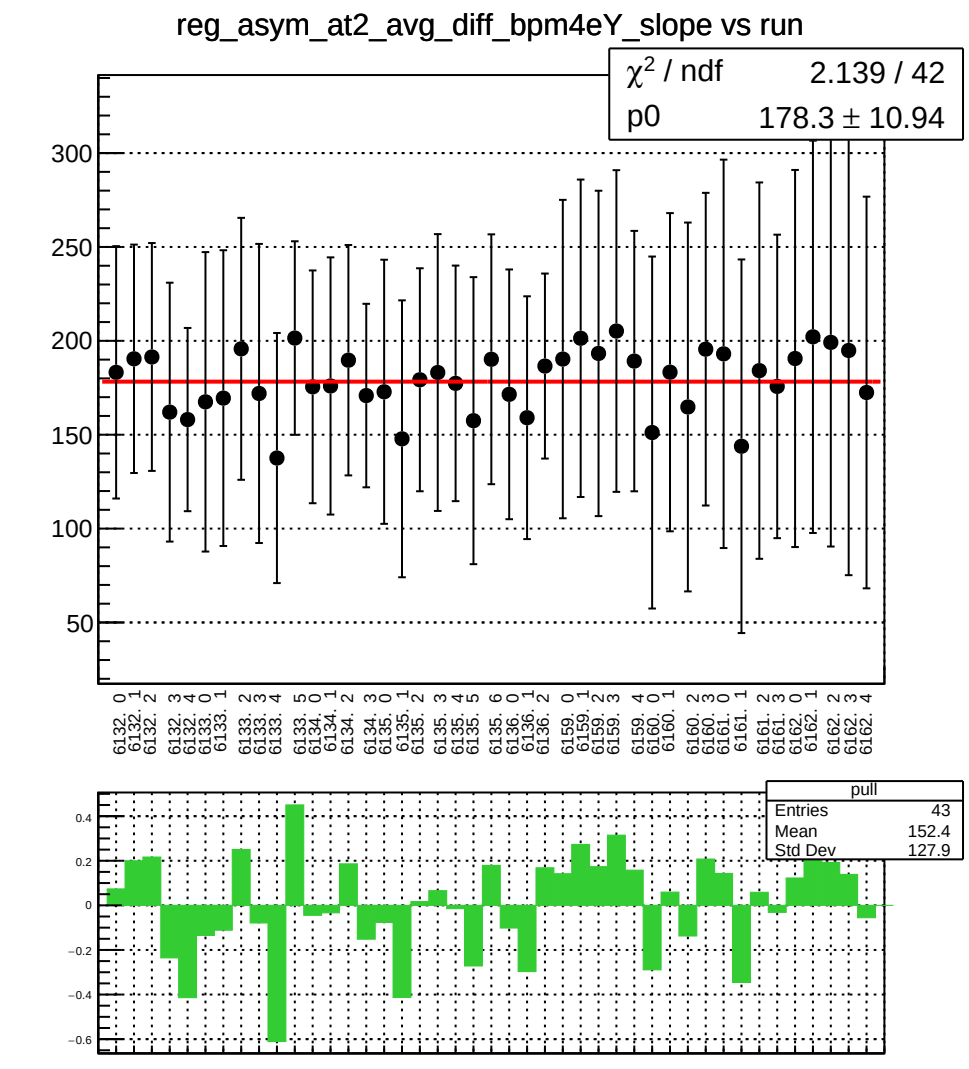

reg_asym_at2_avg_diff_bpm4aX_slope vs run
χ² / ndf 27.62 / 42
p0 −546.1 ± 15.51
−300
−400
−500
−600
−700
−800
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 109.5
Std Dev 86.21
1
0.5
0
−0.5
−1
−1.5

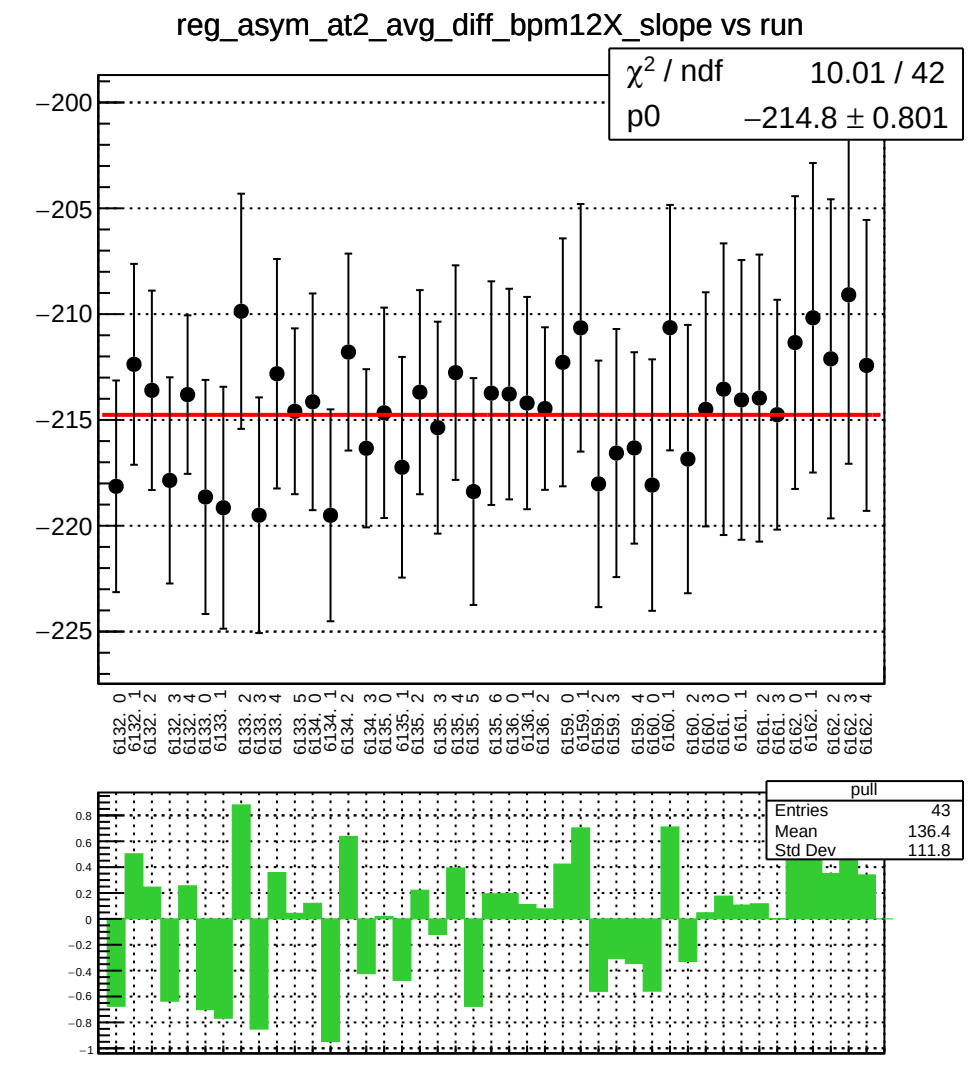

pull1D
Entries 43
Mean −0.07541
Std Dev 0.7979
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

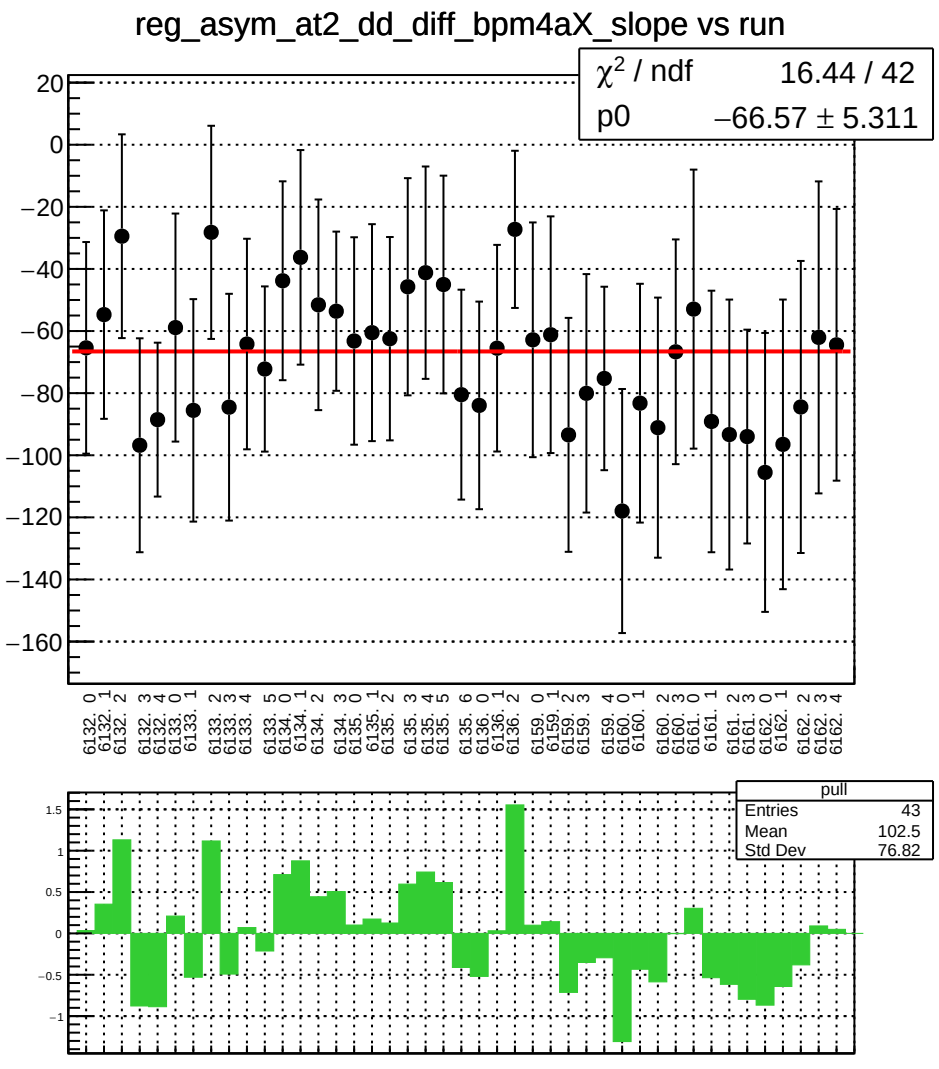

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.185 / 42
p0 –38.8 ± 10.31
100
50
0
–50
–100
–150
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean –54.32
Std Dev 78.07
0.6
0.4
0.2
0
–0.2
–0.4
pull1D
Entries 43
Mean 0.003528
Std Dev 0.2254
24
22
20
18
16
14
12
10
8
6
4
2
0
–8
–6
–4
–2
0
2
4
6
8

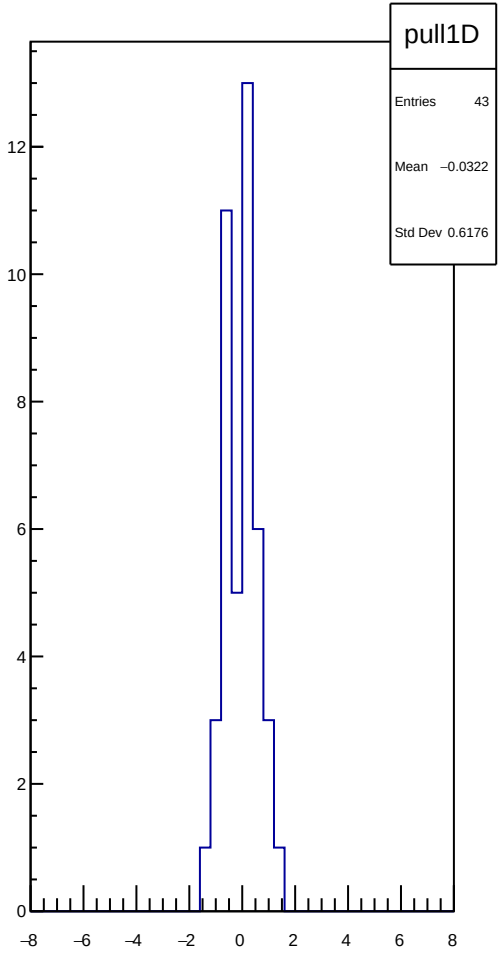

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 23.75 / 42
p0 705.3 ± 18.07
1000
900
800
700
600
500
6132. 0
6132. 1
6132. 2
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 105.6
Std Dev 82.11
1.5
1
0.5
0
−0.5
−1

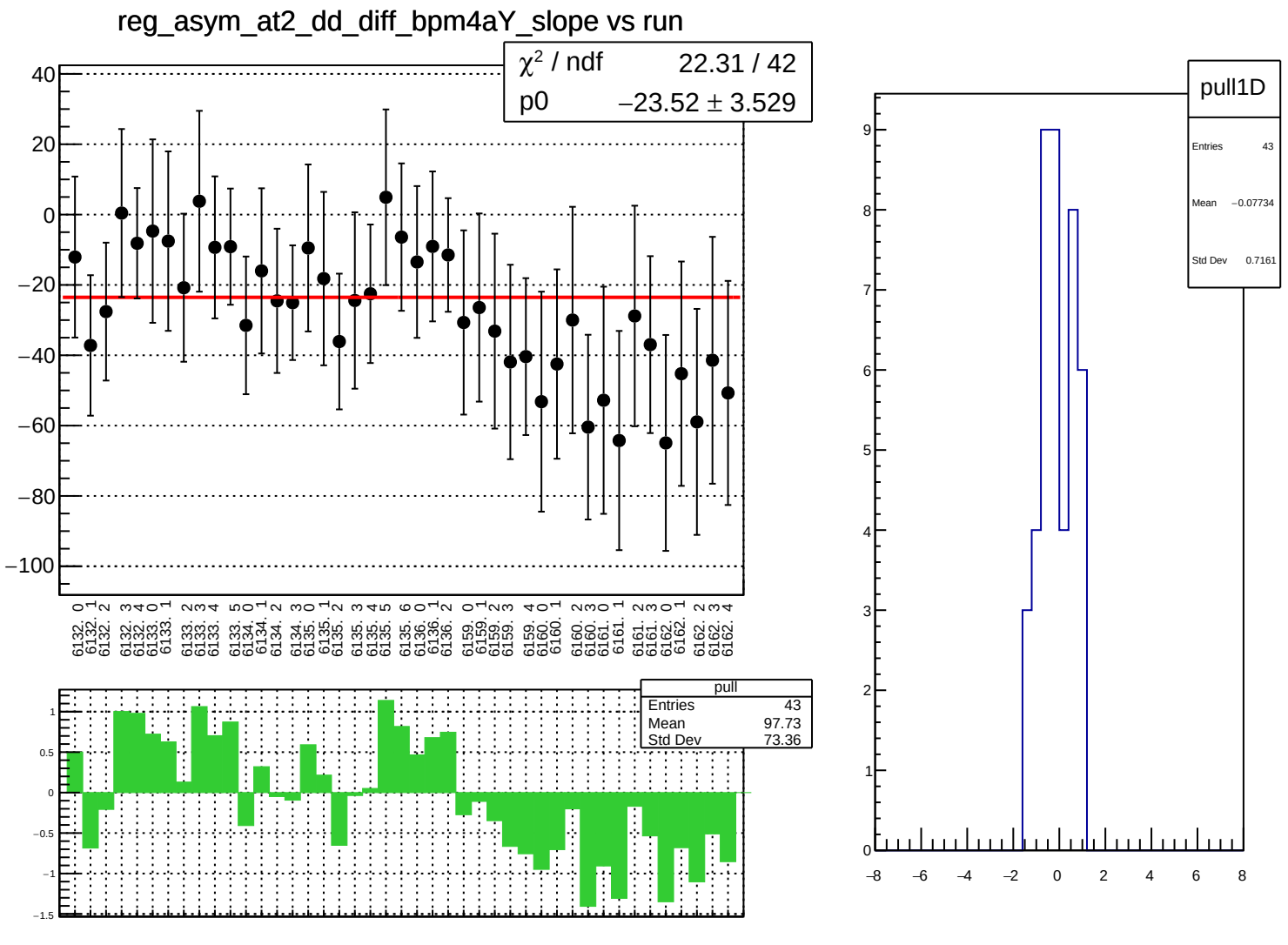

pull1D
Entries 43
Mean 0.07252
Std Dev 0.7396
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

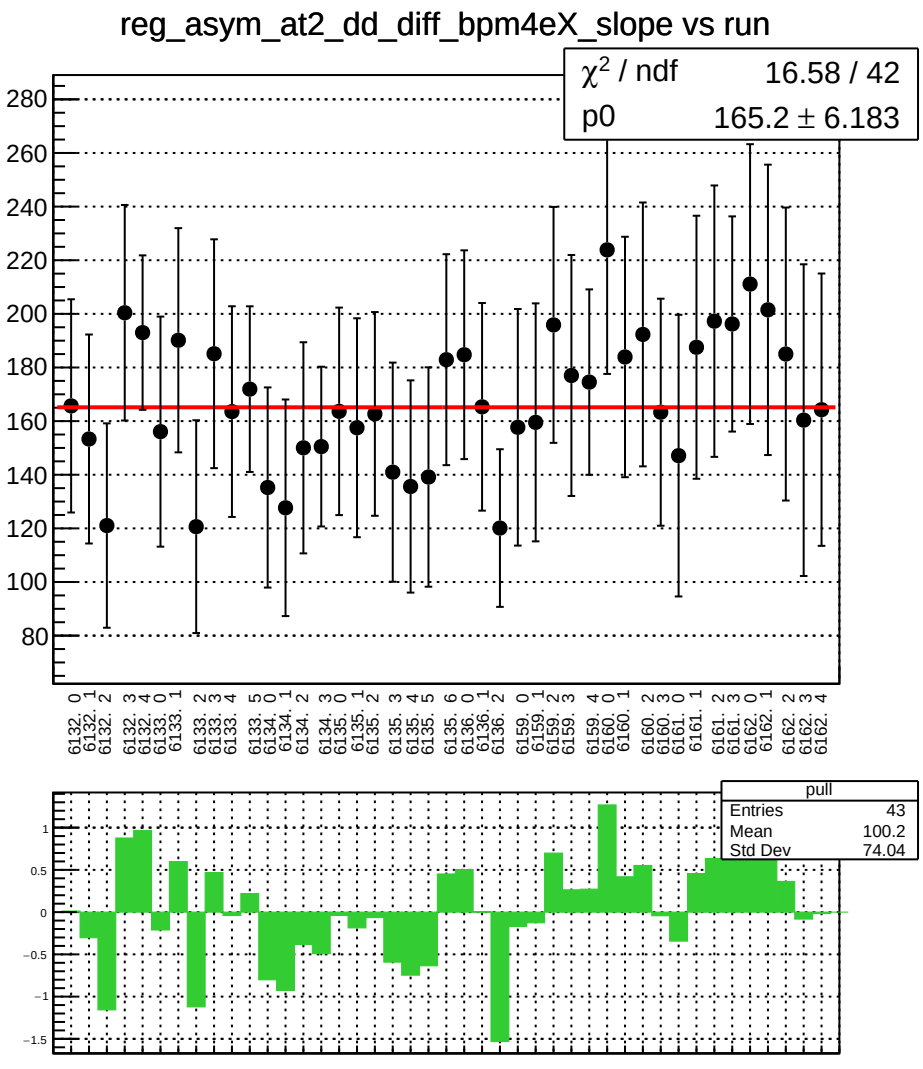

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.139 / 42
p0 178.3 ± 10.94
300
250
200
150
100
50
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 152.4
Std Dev 127.9
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 43
Mean 0.003963
Std Dev 0.223
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

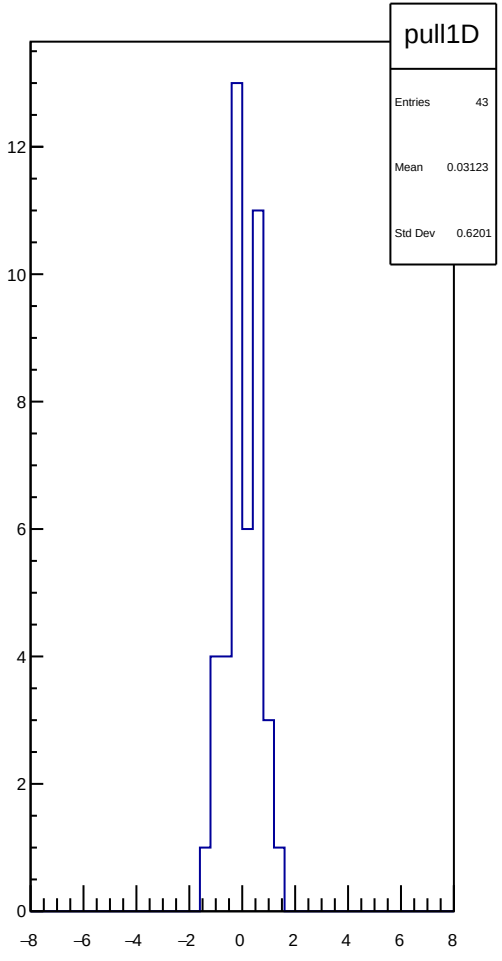

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 10.01 / 42
p0 −214.8 ± 0.801
−200
−205
−210
−215
−220
−225
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 136.4
Std Dev 111.8
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 43
Mean 0.01618
Std Dev 0.4823
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

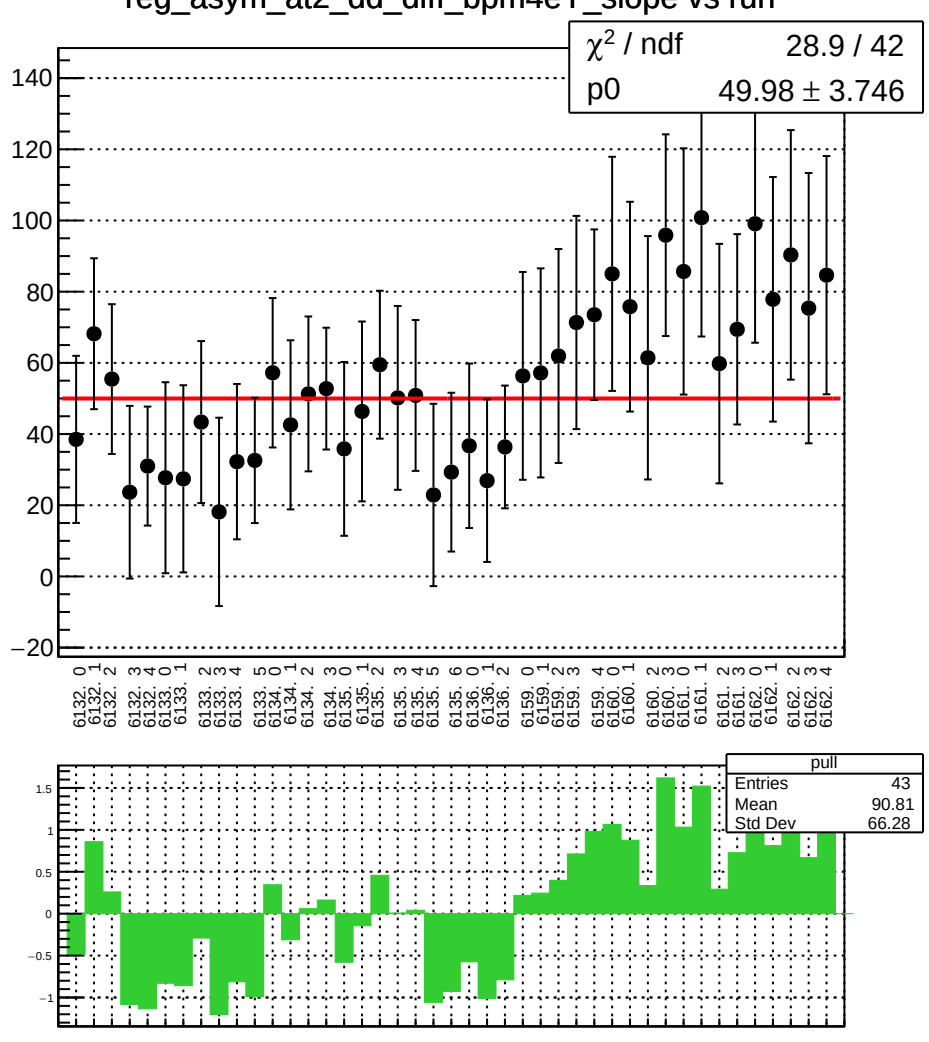

reg_asym_at2_dd_diff_bpm4aX_slope vs run
χ² / ndf 16.44 / 42
p0 −66.57 ± 5.311
pull
Entries 43
Mean 102.5
Std Dev 76.82

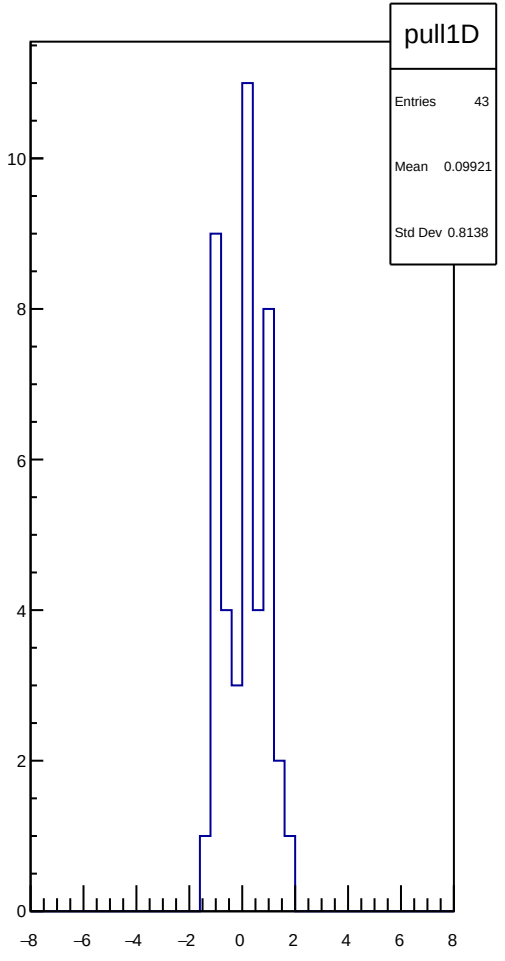

pull1D
Entries 43
Mean −0.0322
Std Dev 0.6176

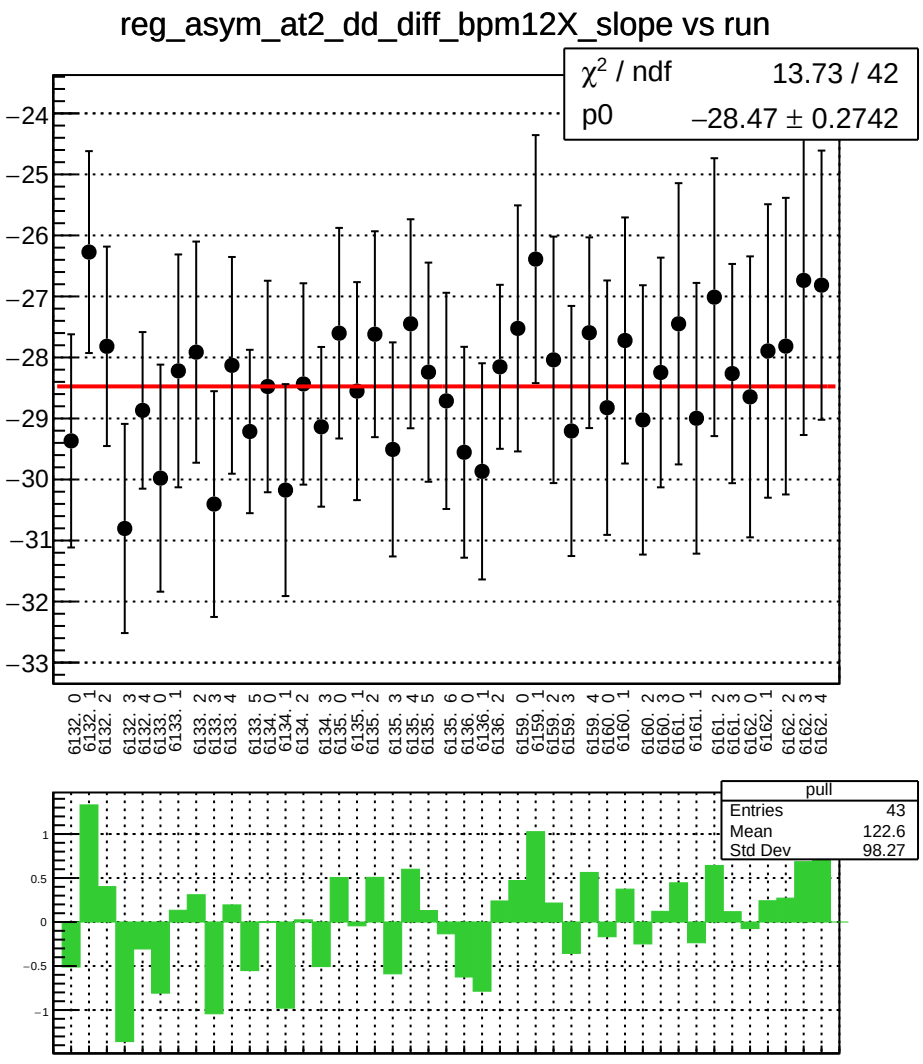

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 22.31 / 42
p0 −23.52 ± 3.529
pull
Entries 43
Mean 97.73
Std Dev 73.36
pull1D
Entries 43
Mean −0.07734
Std Dev 0.7161

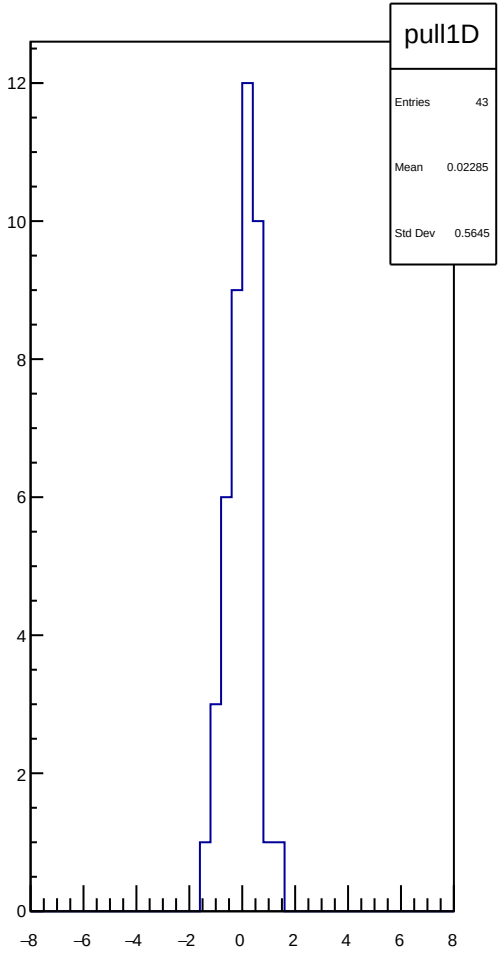

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 16.58 / 42
p0 165.2 ± 6.183
pull
Entries 43
Mean 100.2
Std Dev 74.04

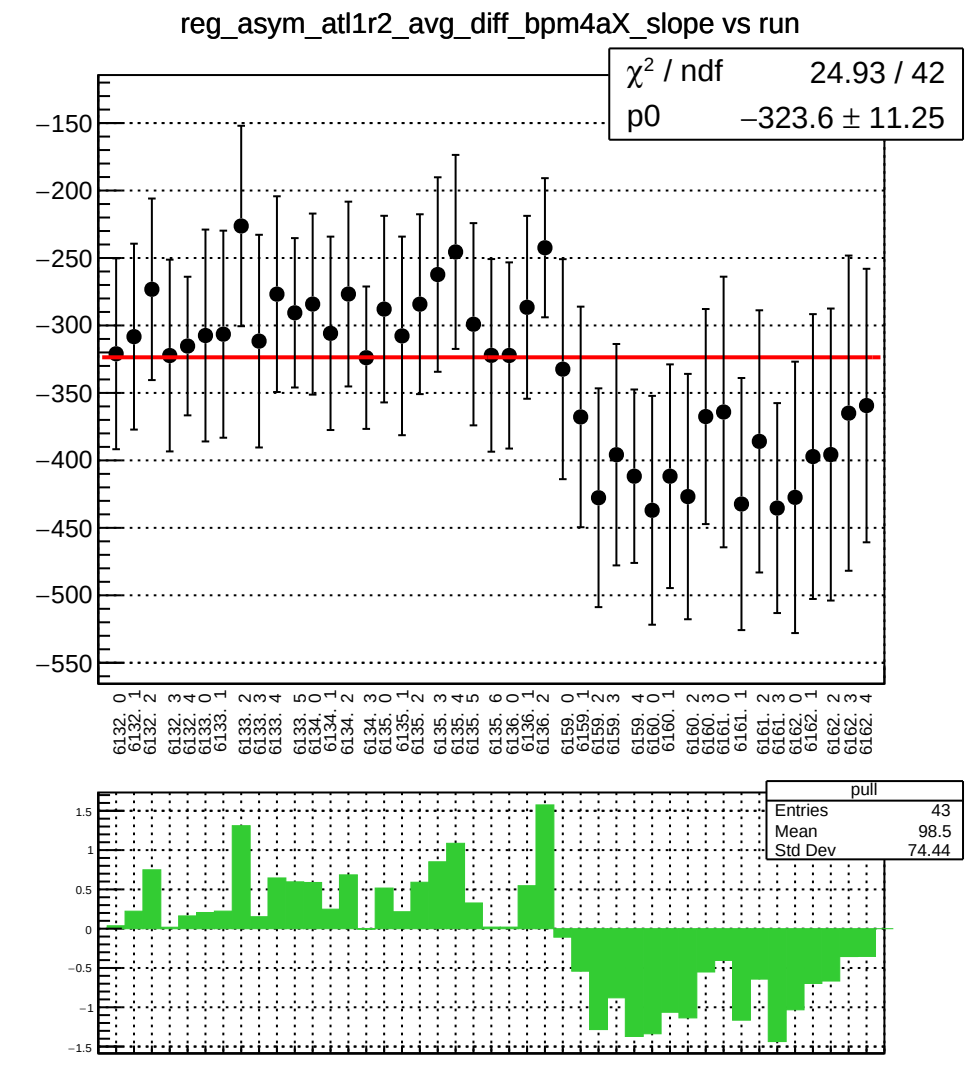

pull1D
Entries 43
Mean 0.03123
Std Dev 0.6201

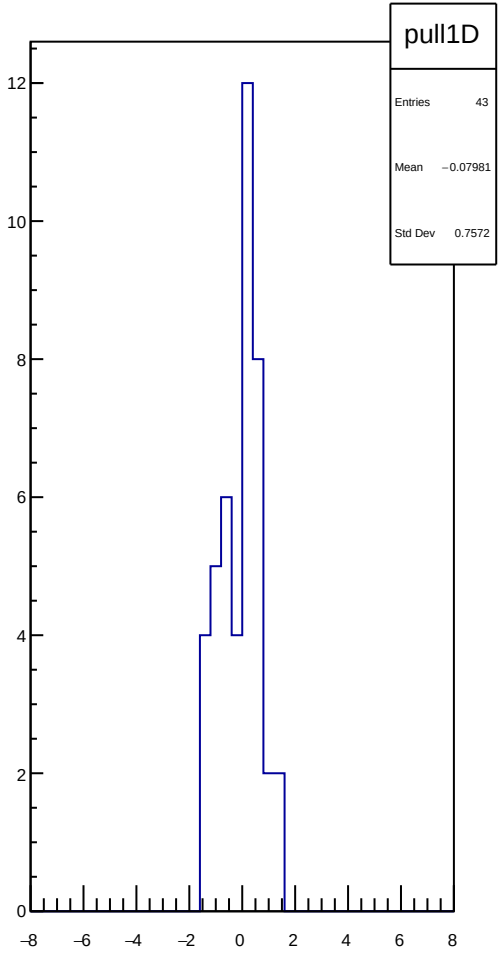

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 28.9 / 42
p0 49.98 ± 3.746
pull
Entries 43
Mean 90.81
Std Dev 66.28

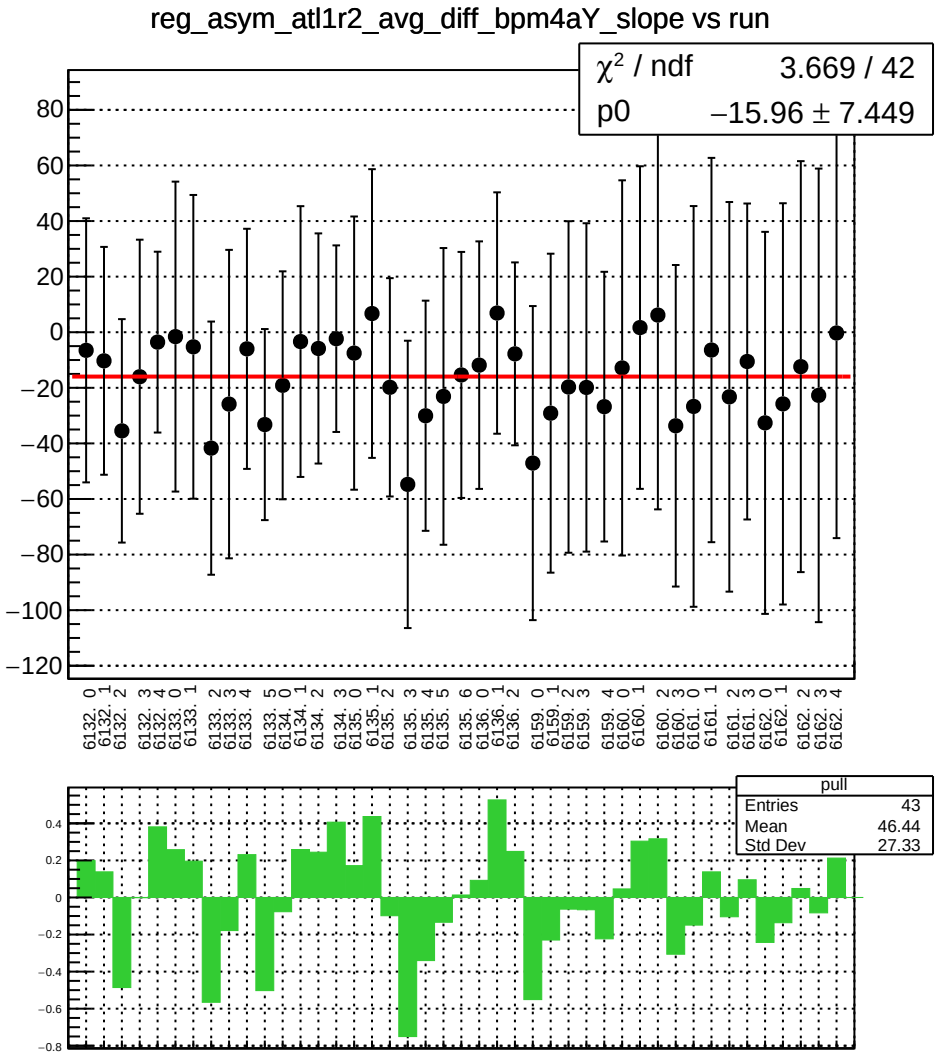

pull1D
Entries 43
Mean 0.09921
Std Dev 0.8138

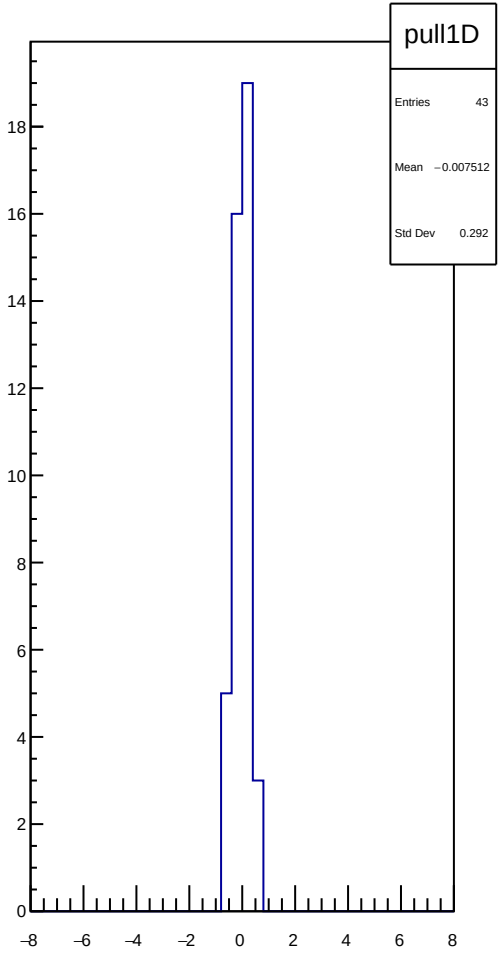

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 13.73 / 42
p0 −28.47 ± 0.2742
pull
Entries 43
Mean 122.6
Std Dev 98.27

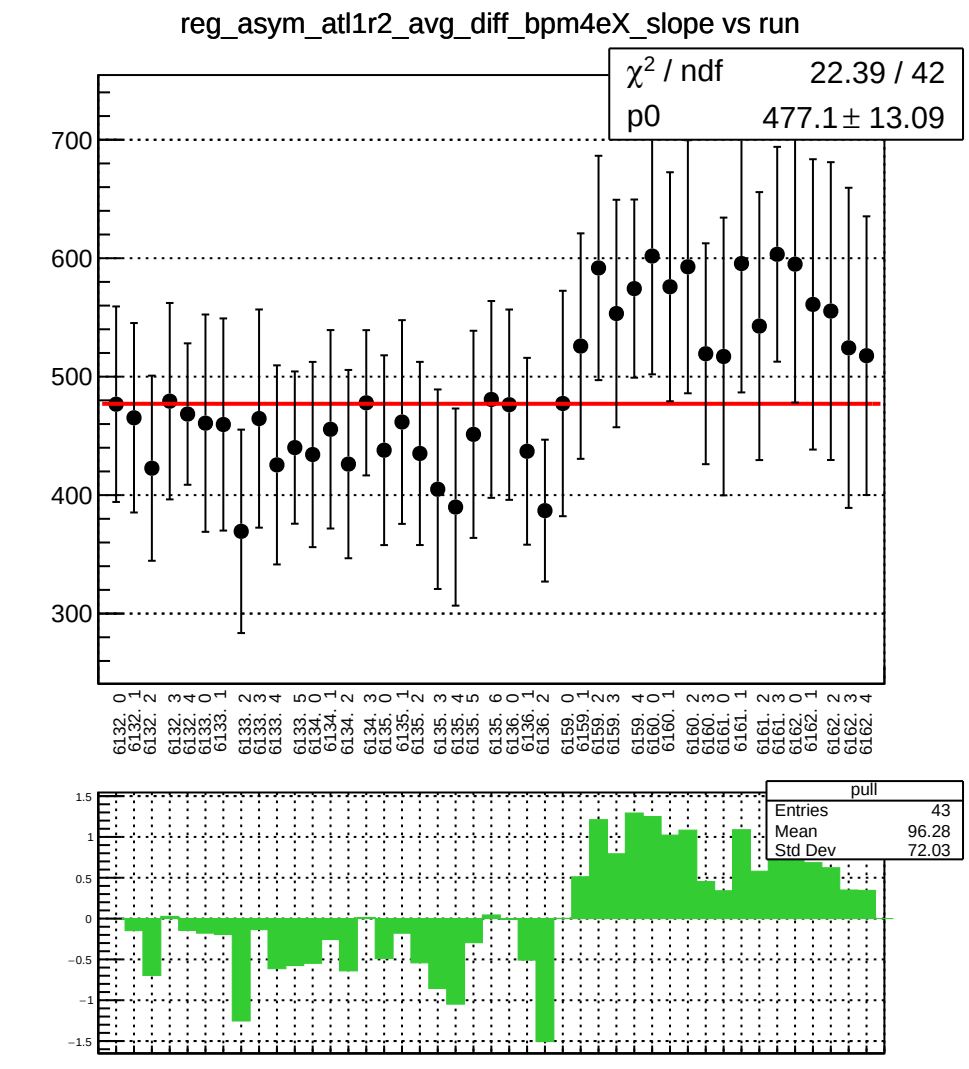

pull1D
Entries 43
Mean 0.02285
Std Dev 0.5645

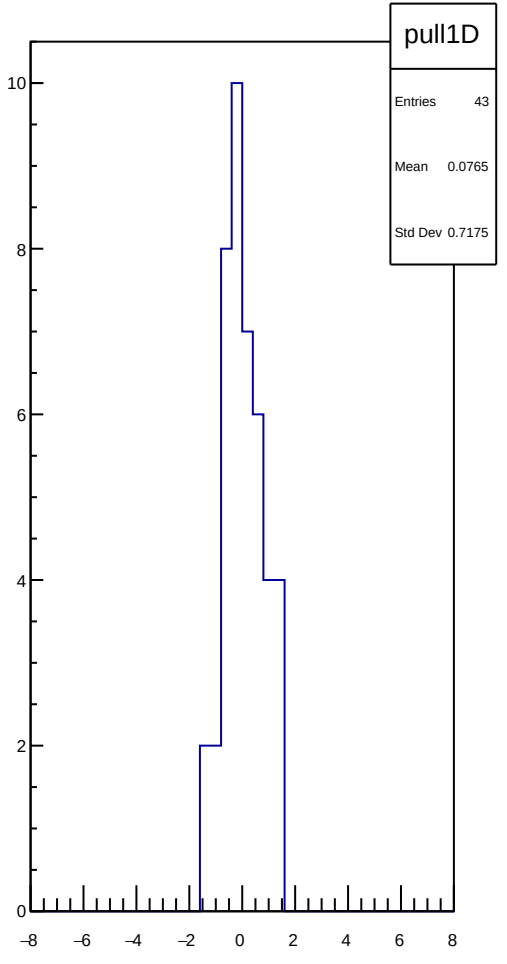

reg_asym_atl1r2_avg_diff_bpm4aX_slope vs run
χ² / ndf 24.93 / 42
p0 −323.6 ± 11.25
−150
−200
−250
−300
−350
−400
−450
−500
−550
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 98.5
Std Dev 74.44
1.5
1
0.5
0
−0.5
−1
−1.5

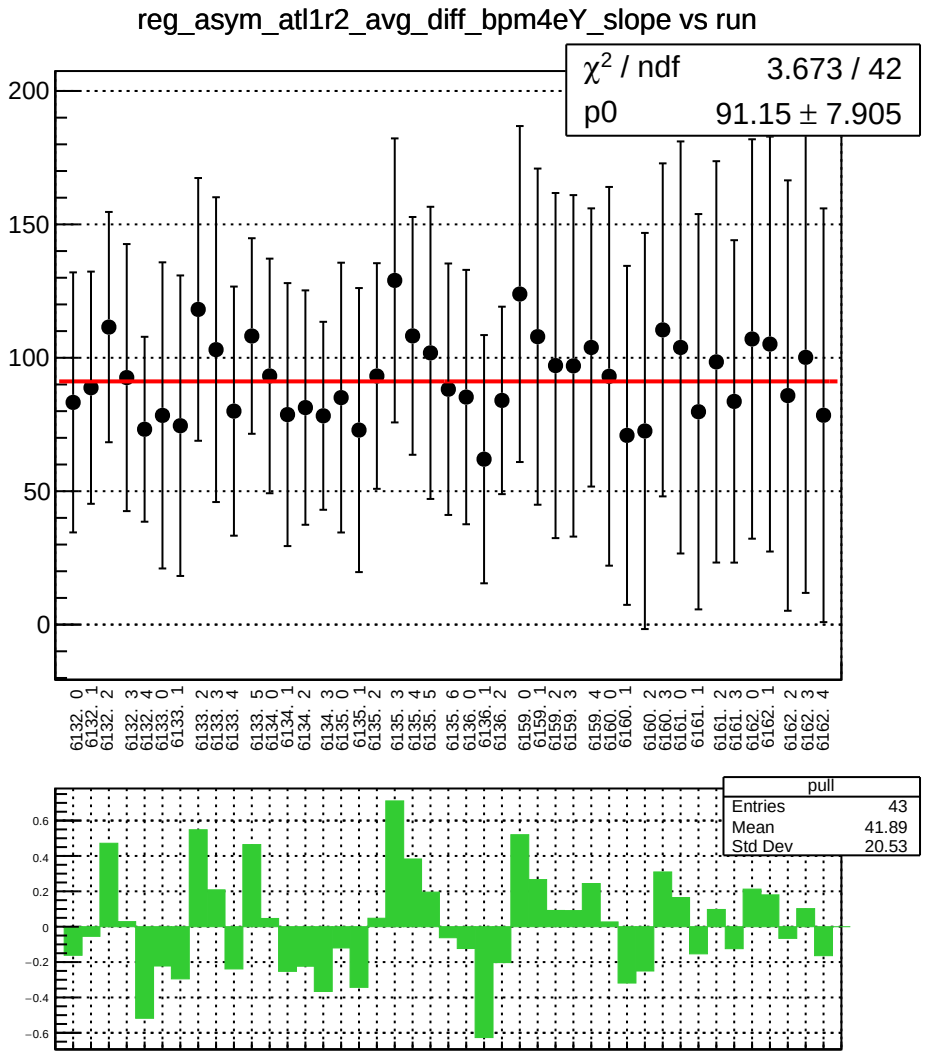

pull1D
Entries 43
Mean −0.07981
Std Dev 0.7572
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

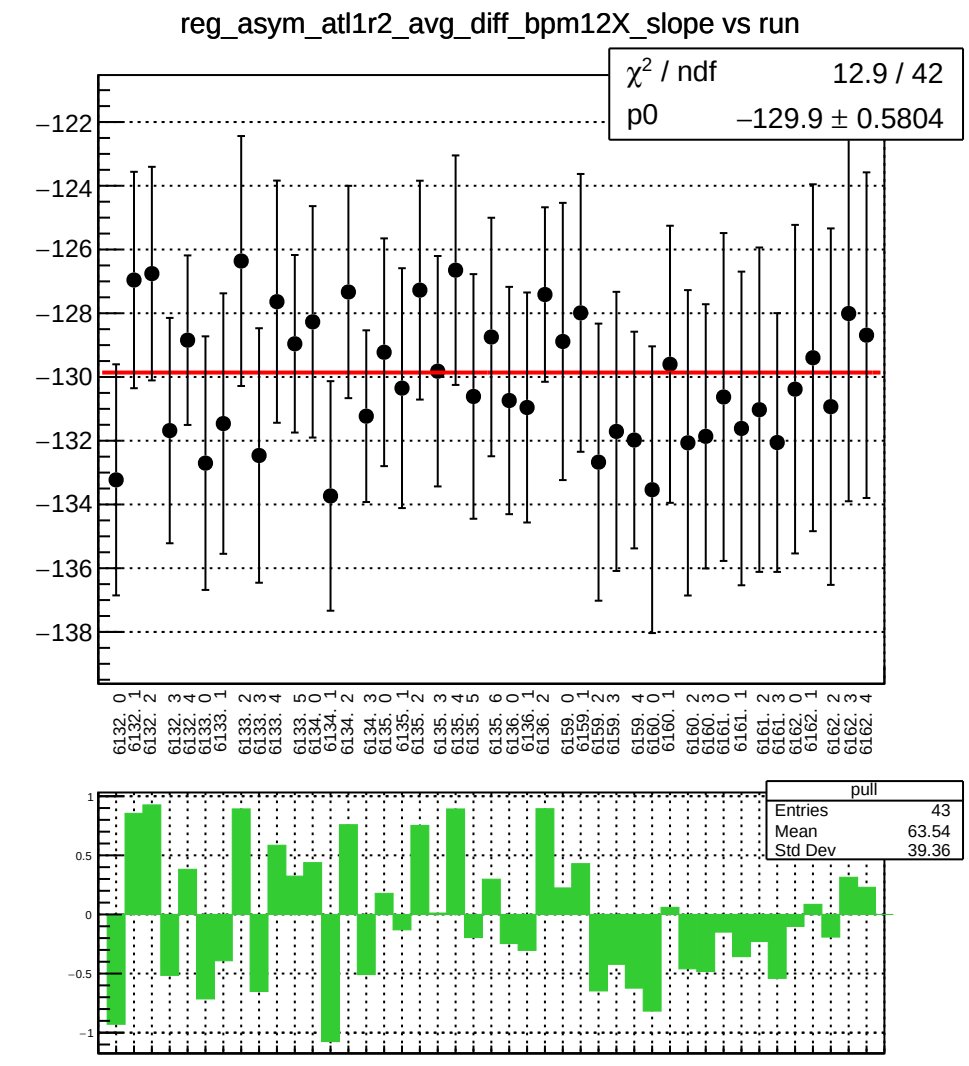

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.669 / 42
p0 −15.96 ± 7.449
pull
Entries 43
Mean 46.44
Std Dev 27.33

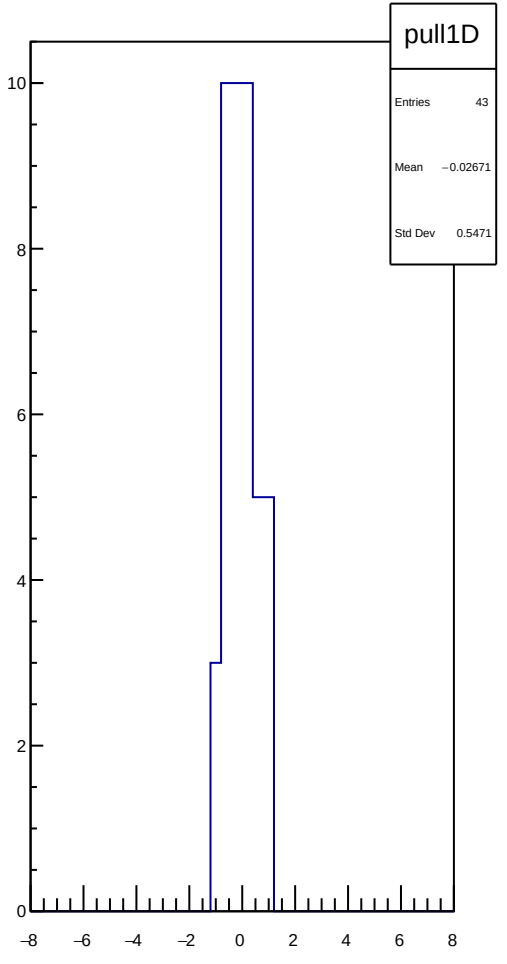

pull1D
Entries 43
Mean −0.007512
Std Dev 0.292

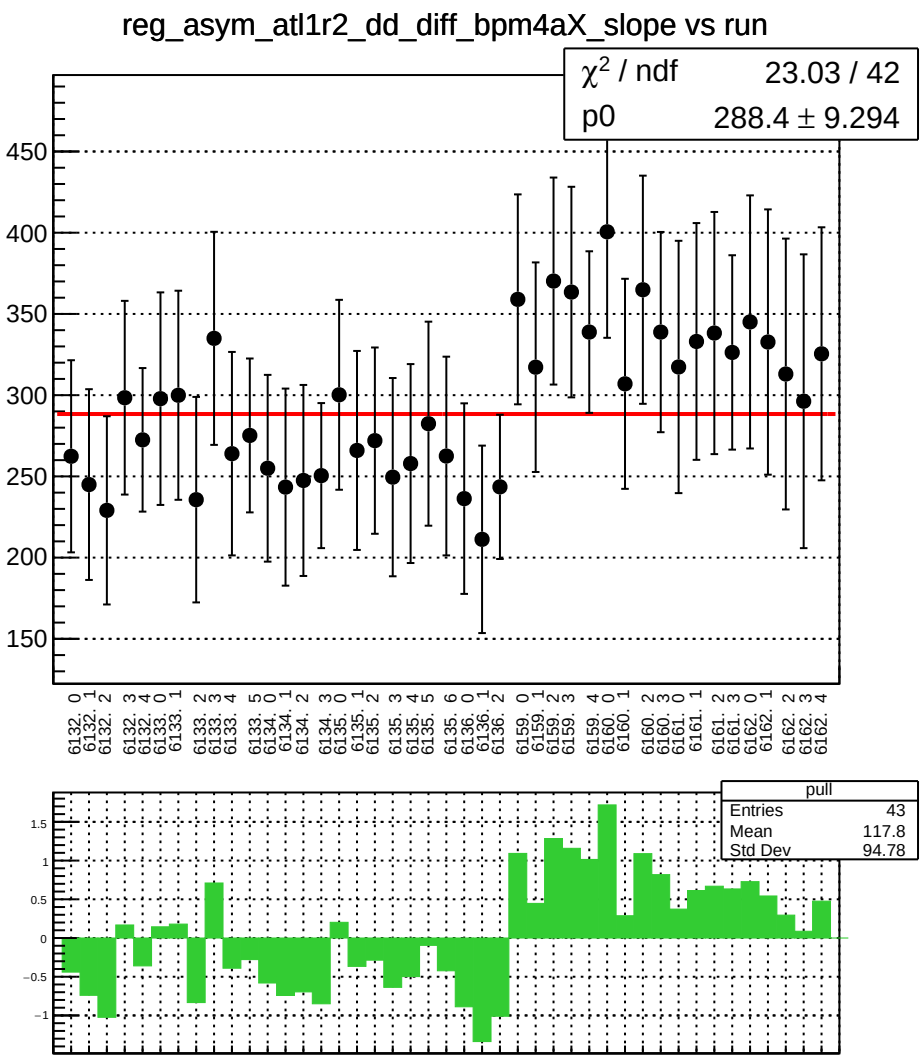

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 22.39 / 42
p0 477.1 ± 13.09
700
600
500
400
300
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 96.28
Std Dev 72.03
1.5
1
0.5
0
−0.5
−1
−1.5

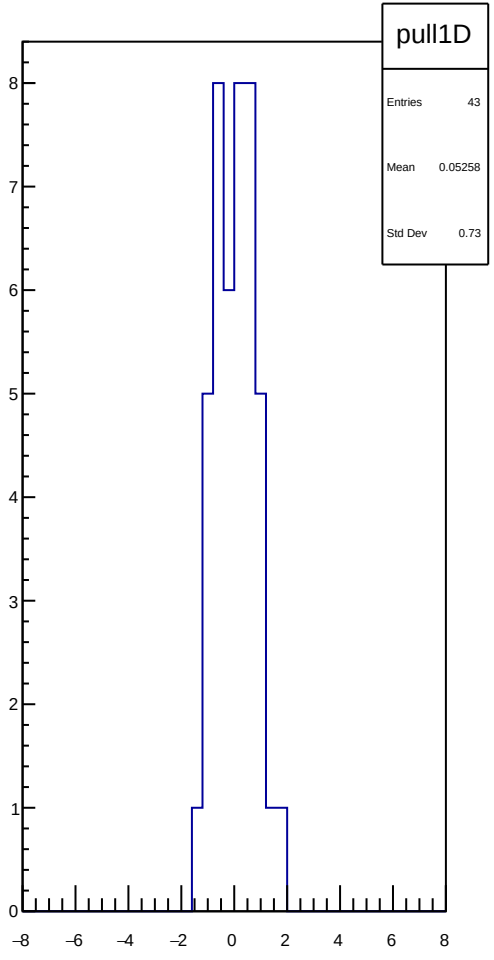

pull1D
Entries 43
Mean 0.0765
Std Dev 0.7175
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

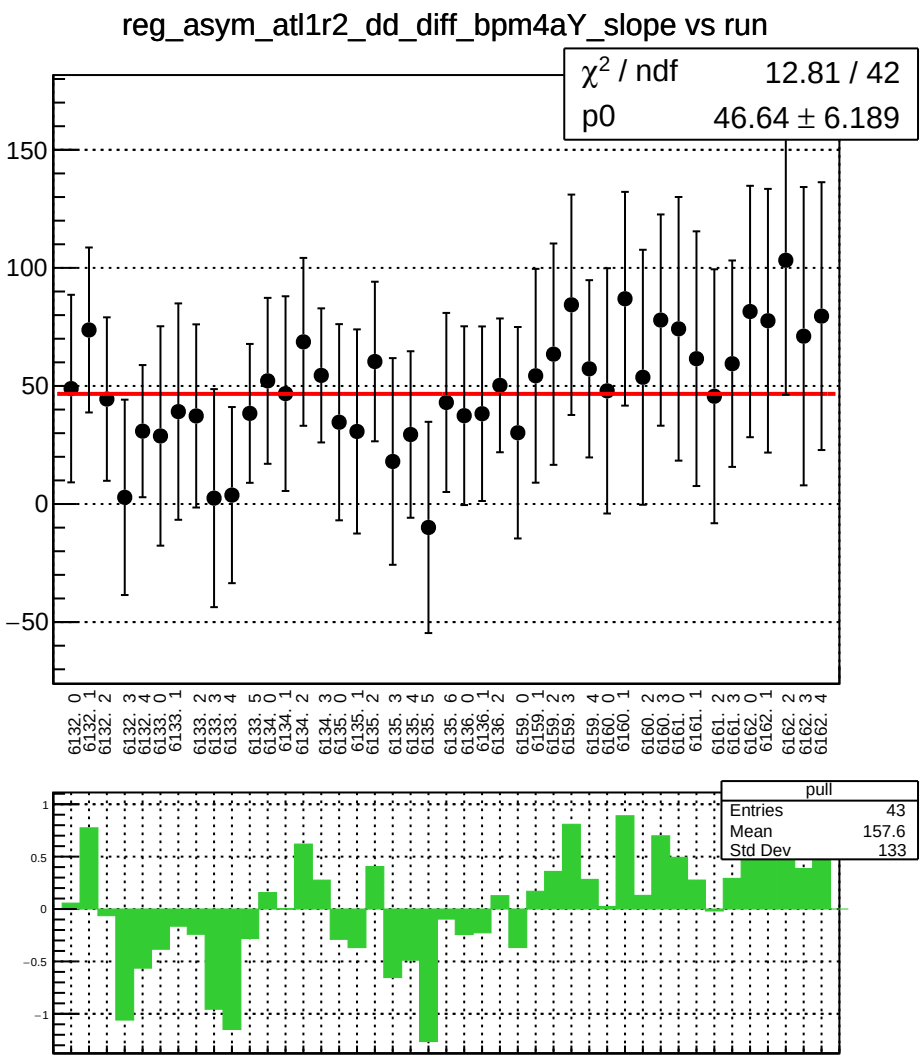

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.673 / 42
p0 91.15 ± 7.905
200
150
100
50
0
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 41.89
Std Dev 20.53
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 43
Mean 0.01222
Std Dev 0.292
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

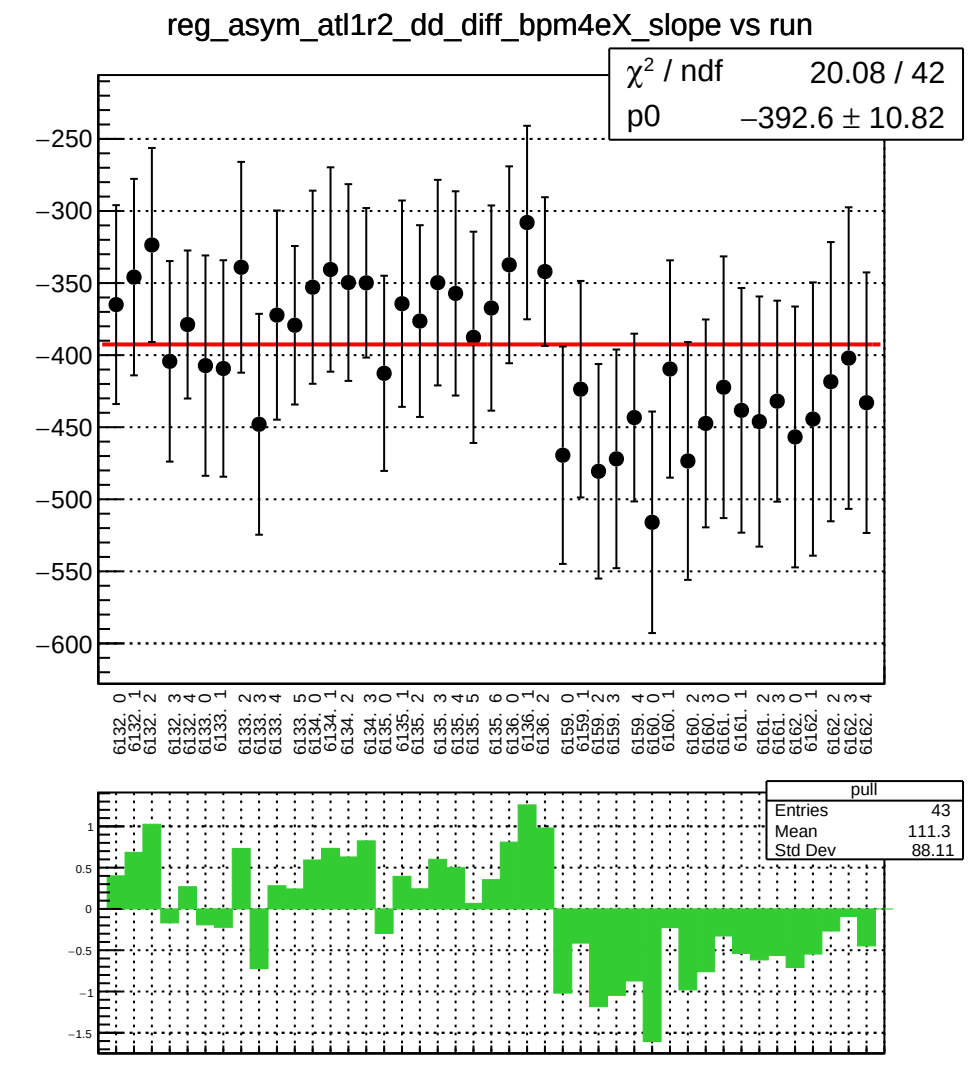

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 12.9 / 42
p0 −129.9 ± 0.5804
−122
−124
−126
−128
−130
−132
−134
−136
−138
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 63.54
Std Dev 39.36
1
0.5
0
−0.5
−1

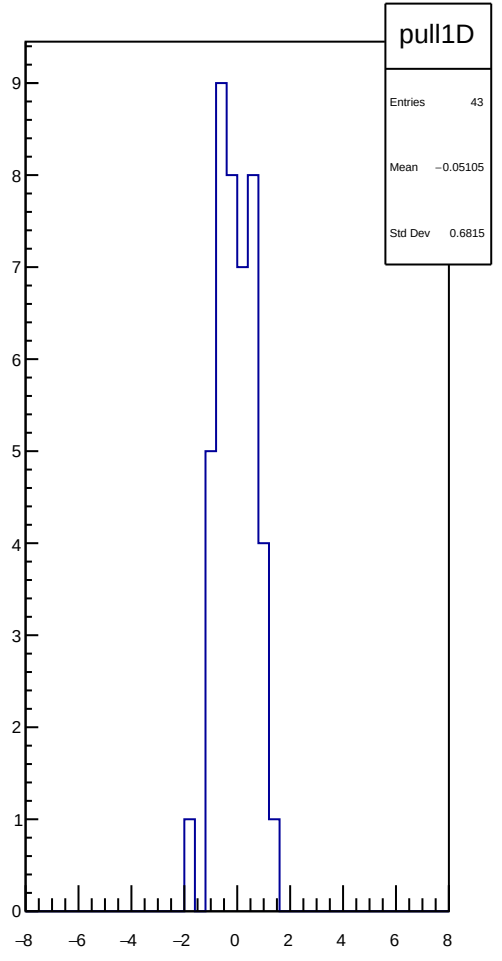

pull1D
Entries 43
Mean −0.02671
Std Dev 0.5471
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

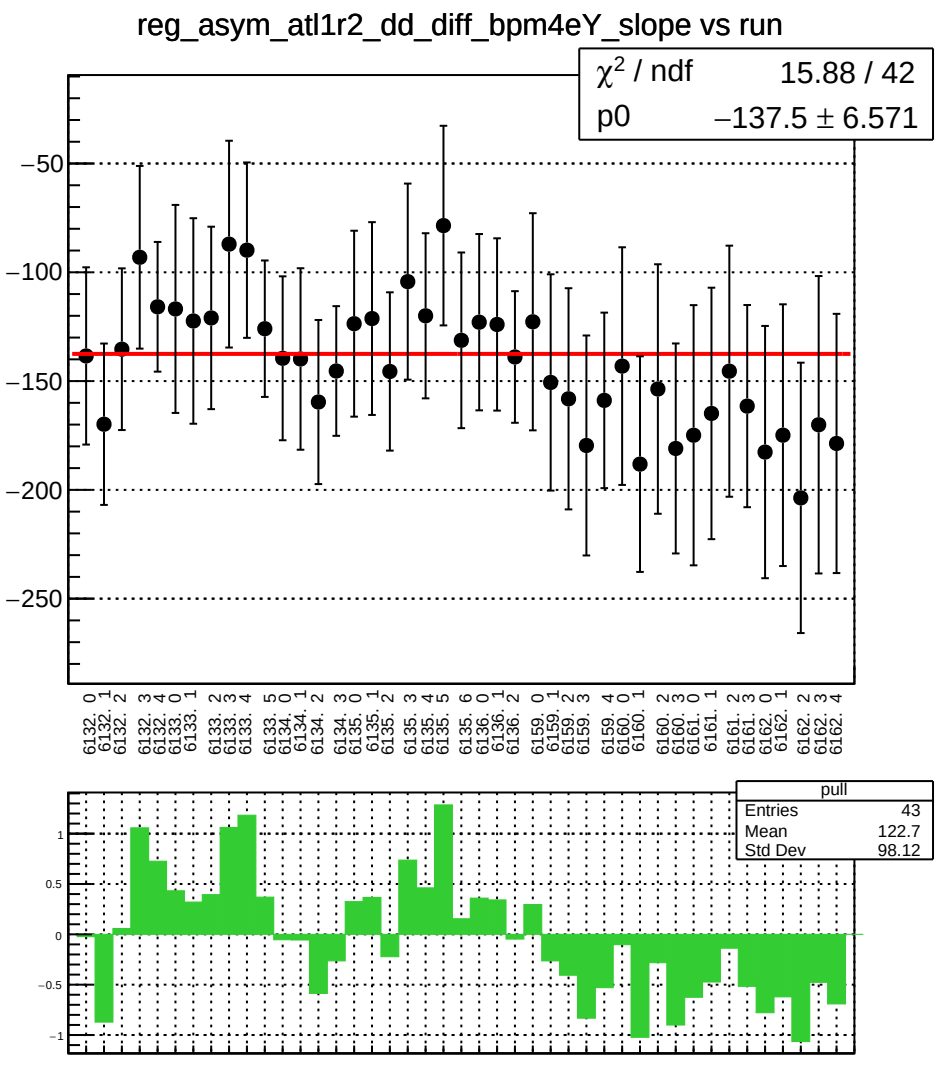

reg_asym_atl1r2_dd_diff_bpm4aX_slope vs run
χ² / ndf 23.03 / 42
p0 288.4 ± 9.294
pull
Entries 43
Mean 117.8
Std Dev 94.78

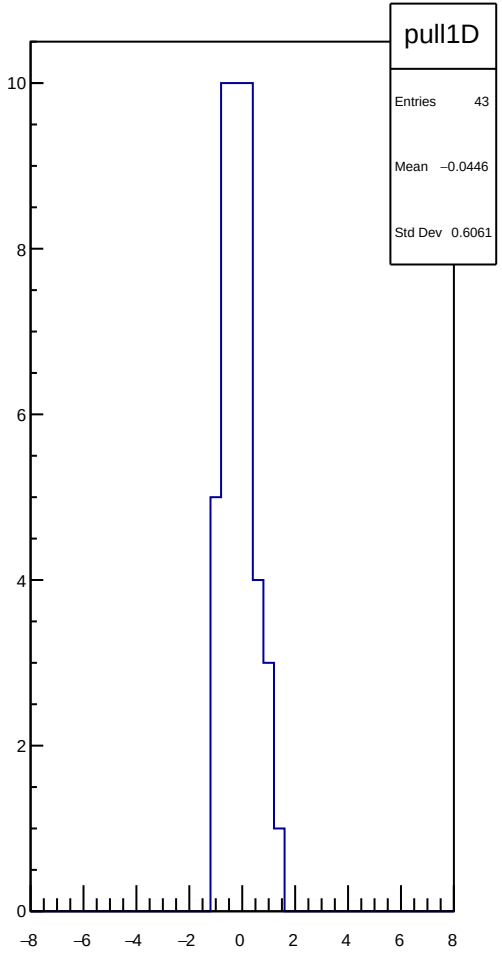

pull1D
Entries 43
Mean 0.05258
Std Dev 0.73

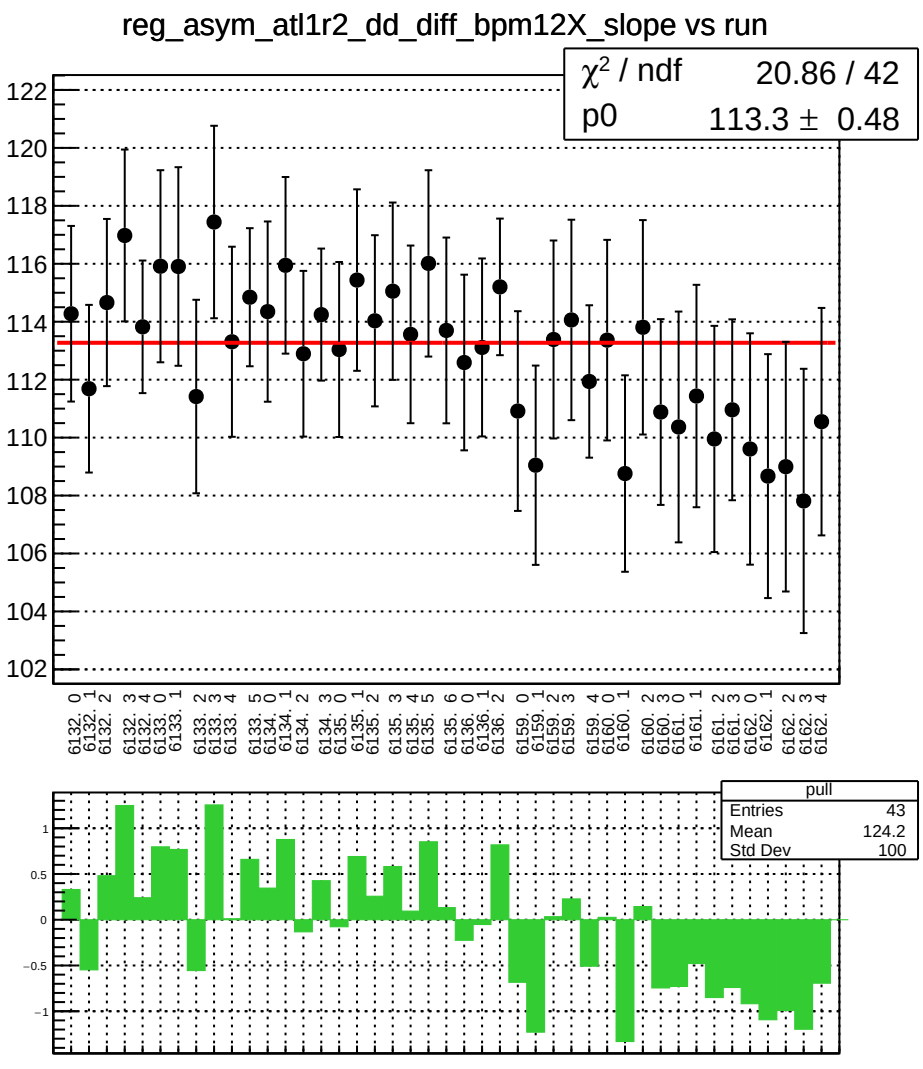

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.81 / 42
p0 46.64 ± 6.189
150
100
50
0
−50
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 157.6
Std Dev 133
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean 0.02646
Std Dev 0.5451
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

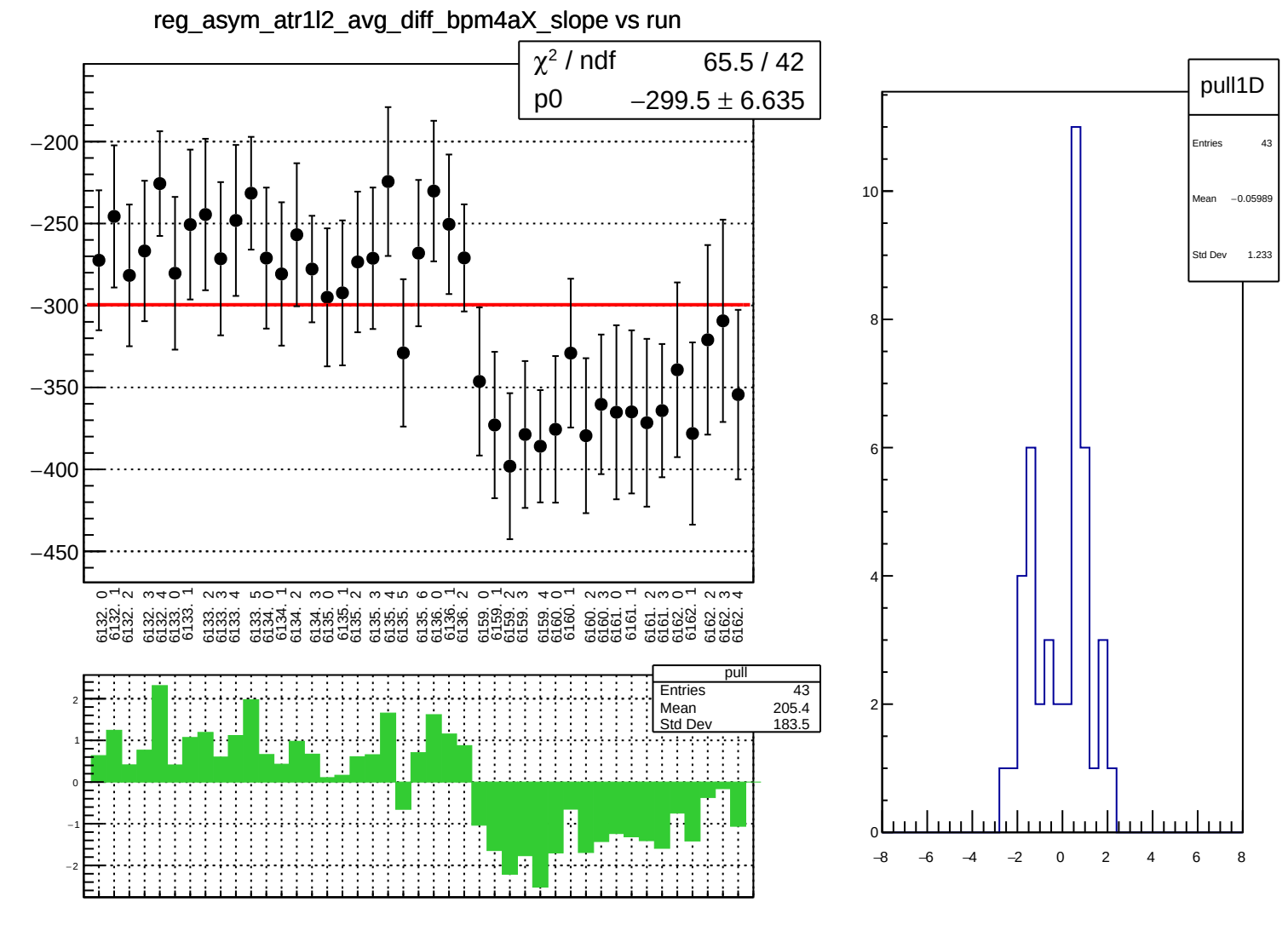

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 20.08 / 42
p0 −392.6 ± 10.82
−250
−300
−350
−400
−450
−500
−550
−600
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 111.3
Std Dev 88.11
1
0.5
0
−0.5
−1
−1.5

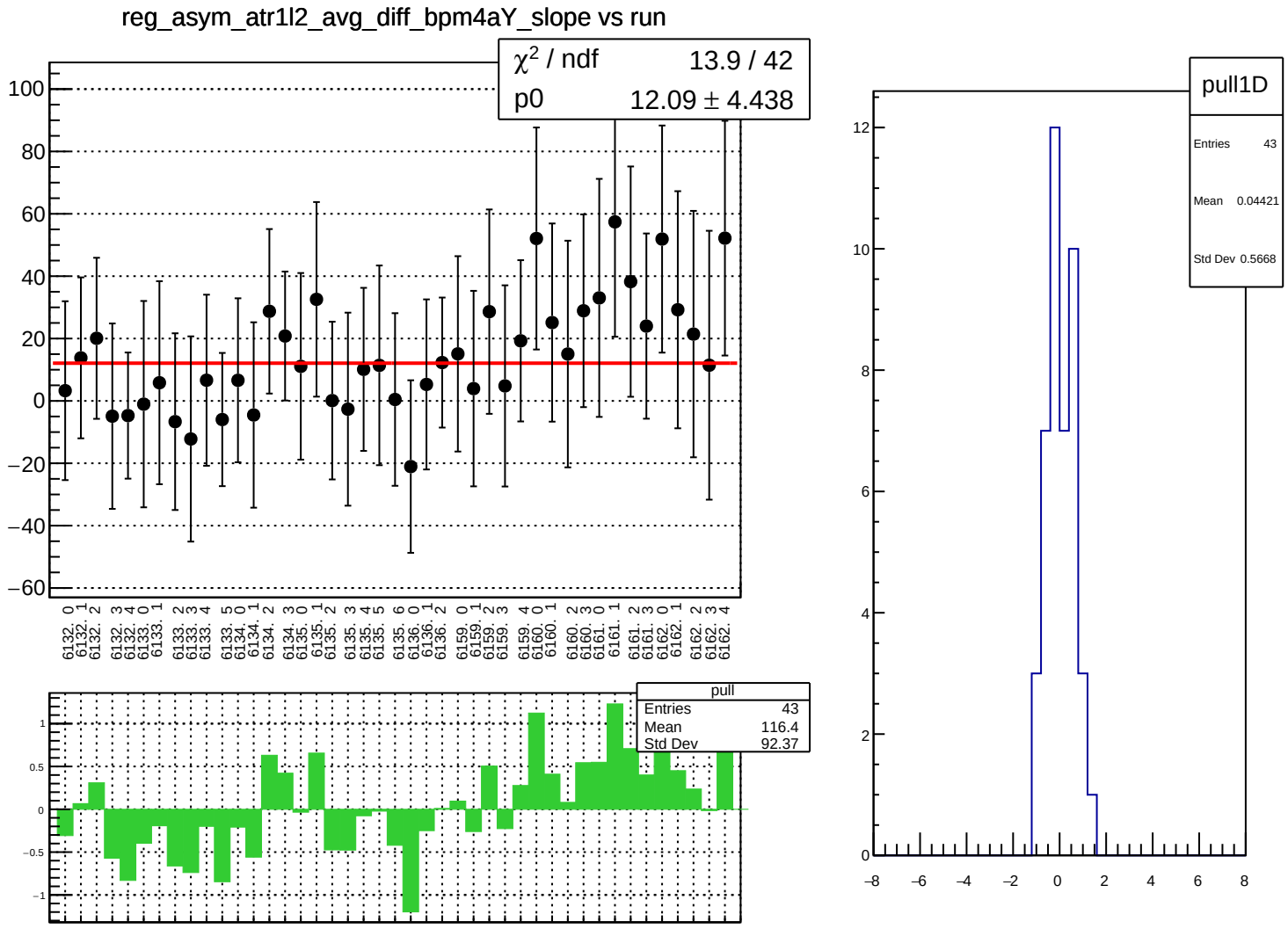

pull1D
Entries 43
Mean −0.05105
Std Dev 0.6815
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

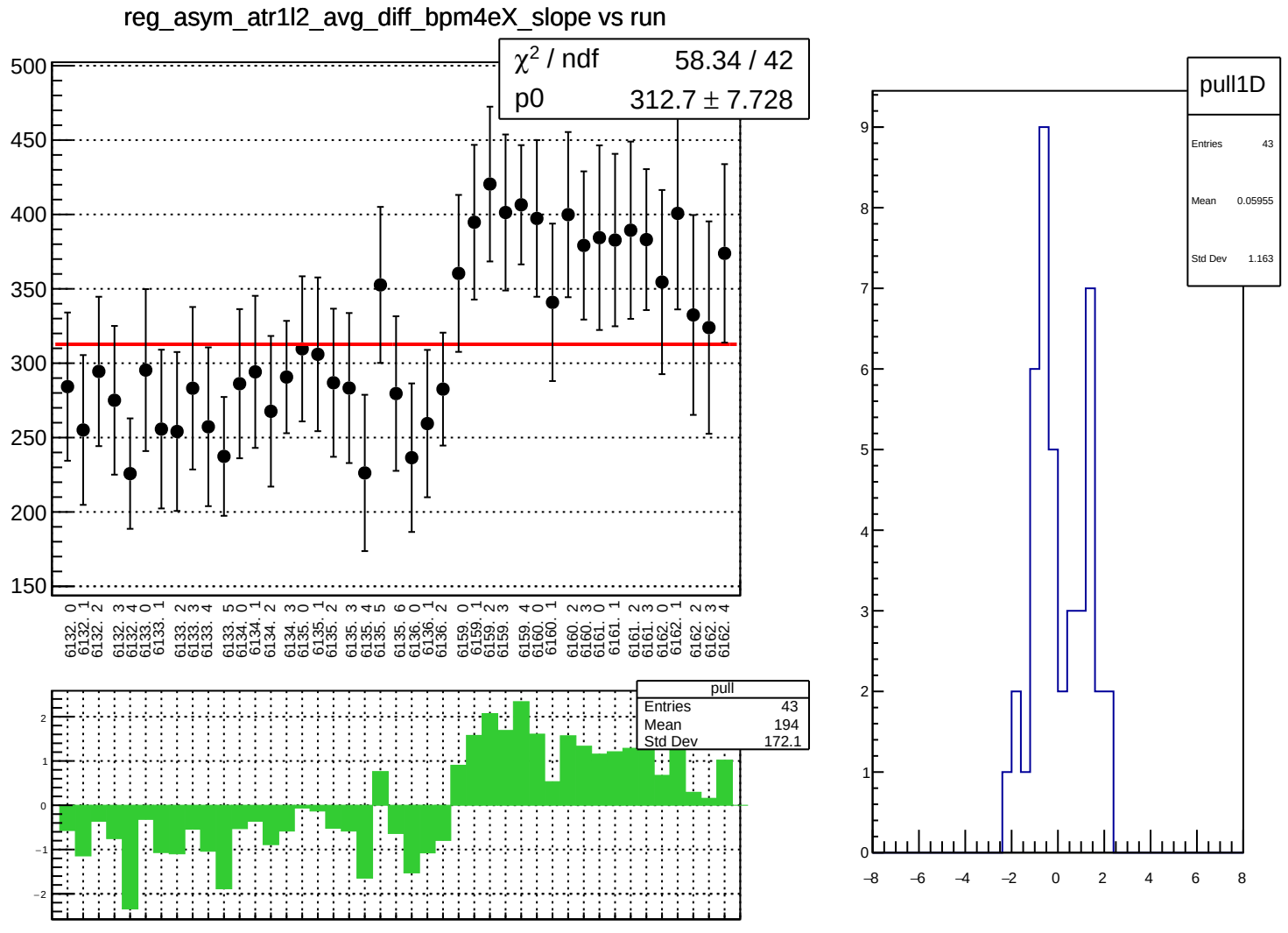

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.88 / 42
p0 −137.5 ± 6.571
−50
−100
−150
−200
−250
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 122.7
Std Dev 98.12
1
0.5
0
−0.5
−1

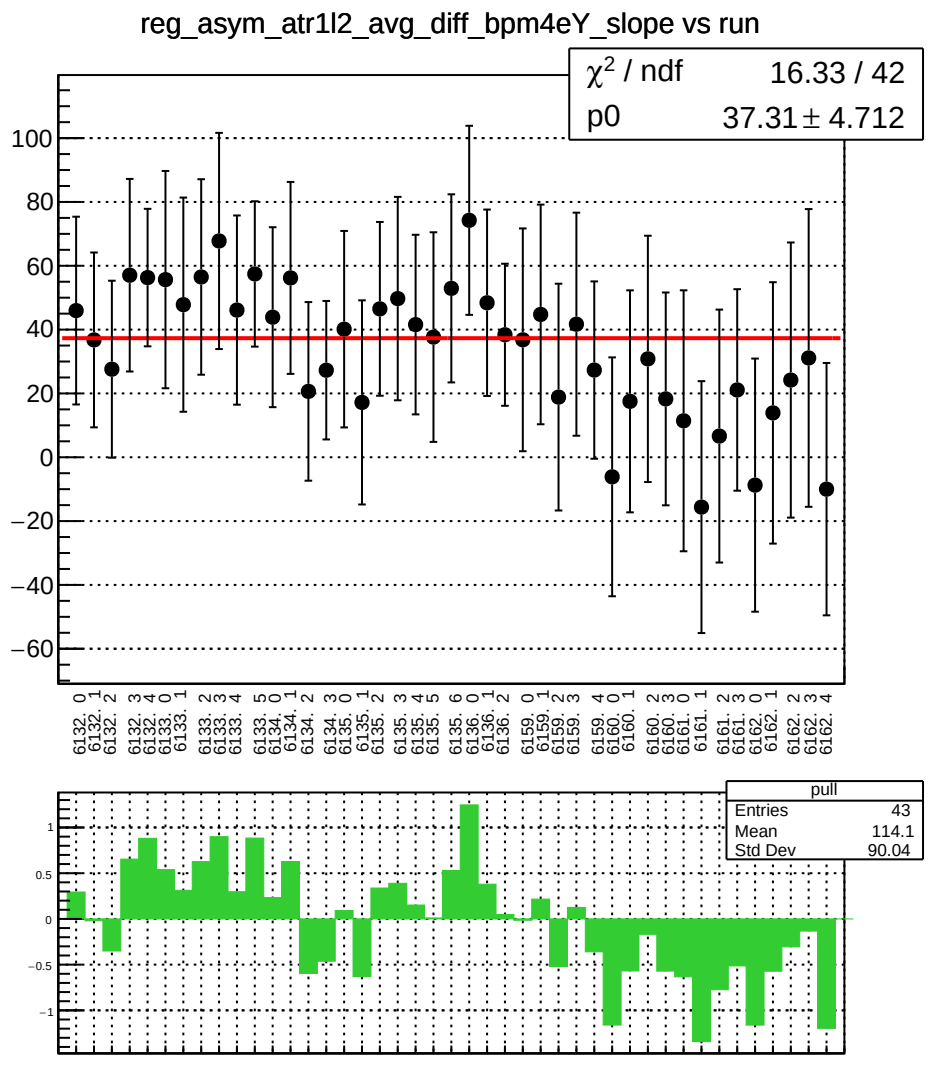

pull1D
Entries 43
Mean −0.0446
Std Dev 0.6061
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

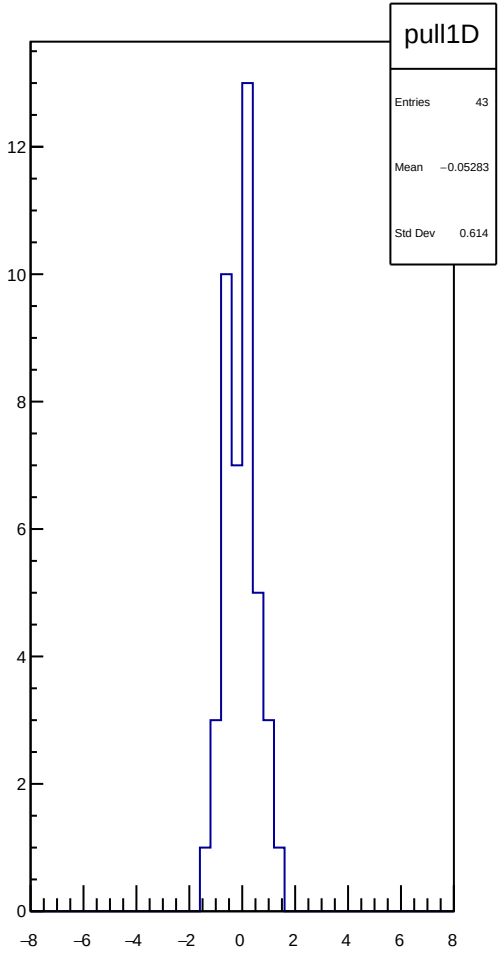

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 20.86 / 42
p0 113.3 ± 0.48
122
120
118
116
114
112
110
108
106
104
102
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 124.2
Std Dev 100
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean −0.05769
Std Dev 0.6941
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

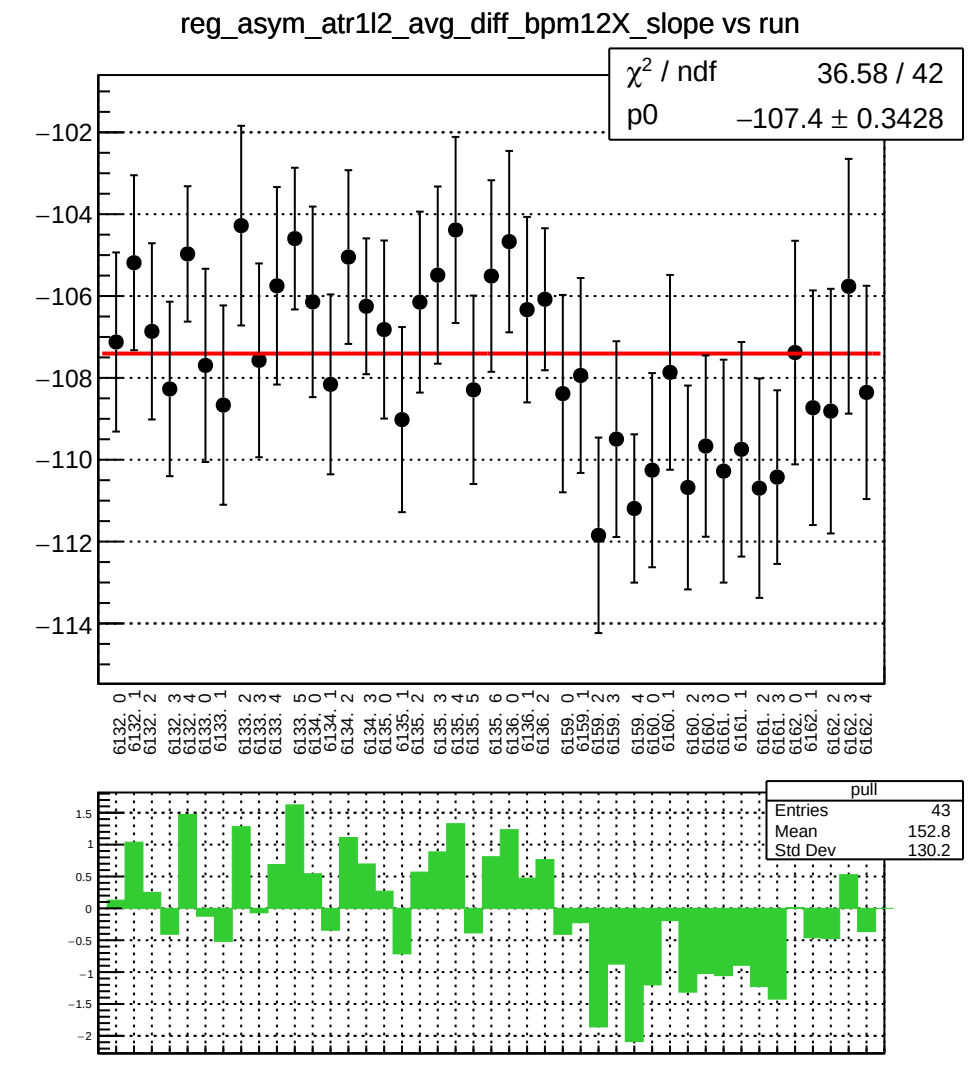

reg_asym_atr1l2_avg_diff_bpm4aX_slope vs run
χ² / ndf 65.5 / 42
p0 −299.5 ± 6.635
−200
−250
−300
−350
−400
−450
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 205.4
Std Dev 183.5
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.05989
Std Dev 1.233
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

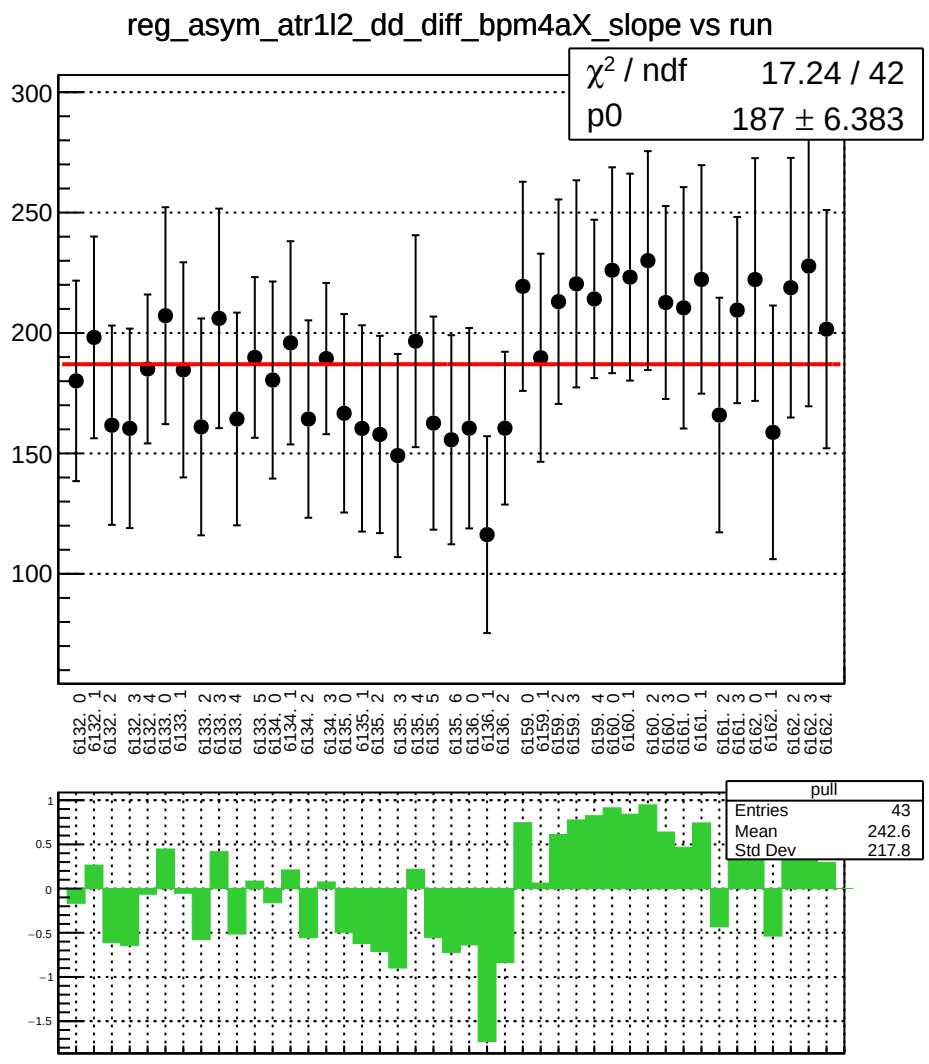

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.9 / 42
p0 12.09 ± 4.438
pull
Entries 43
Mean 116.4
Std Dev 92.37
pull1D
Entries 43
Mean 0.04421
Std Dev 0.5668

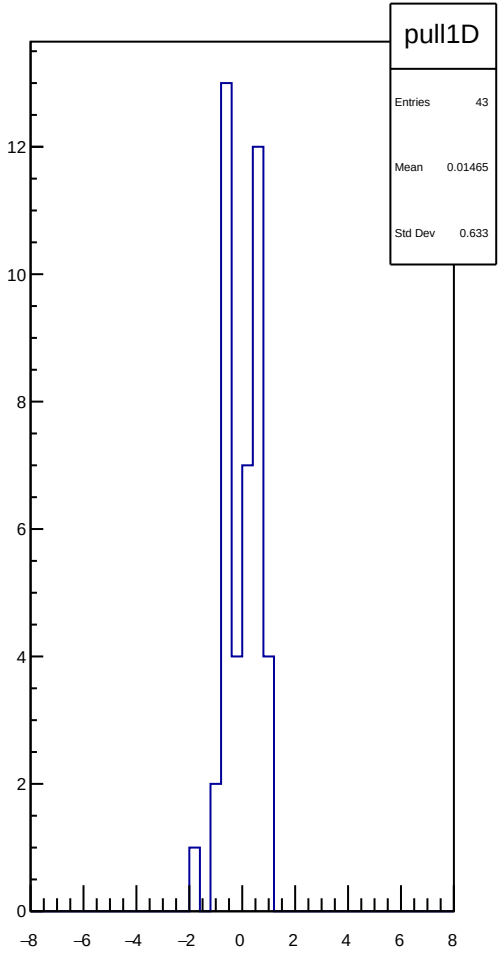

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 58.34 / 42
p0 312.7 ± 7.728
500
450
400
350
300
250
200
150
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 194
Std Dev 172.1
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.05955
Std Dev 1.163
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

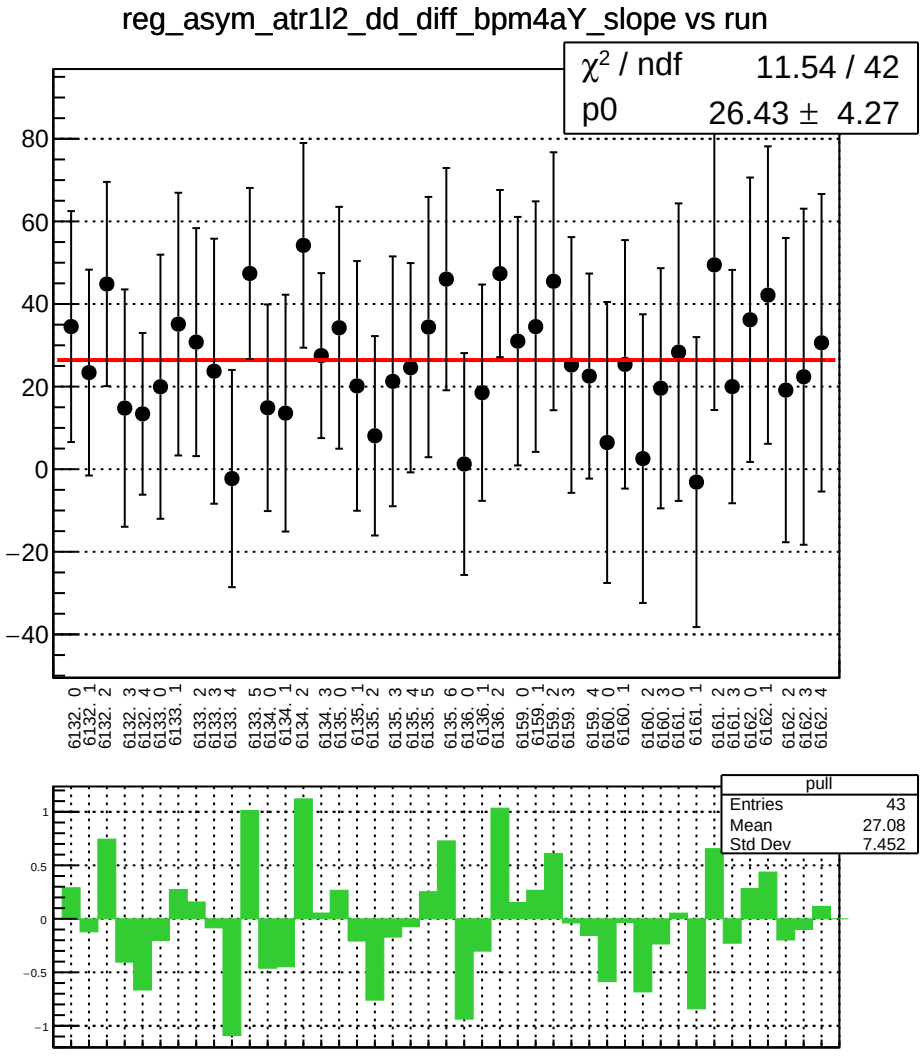

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 16.33 / 42
p0 37.31 ± 4.712
pull
Entries 43
Mean 114.1
Std Dev 90.04

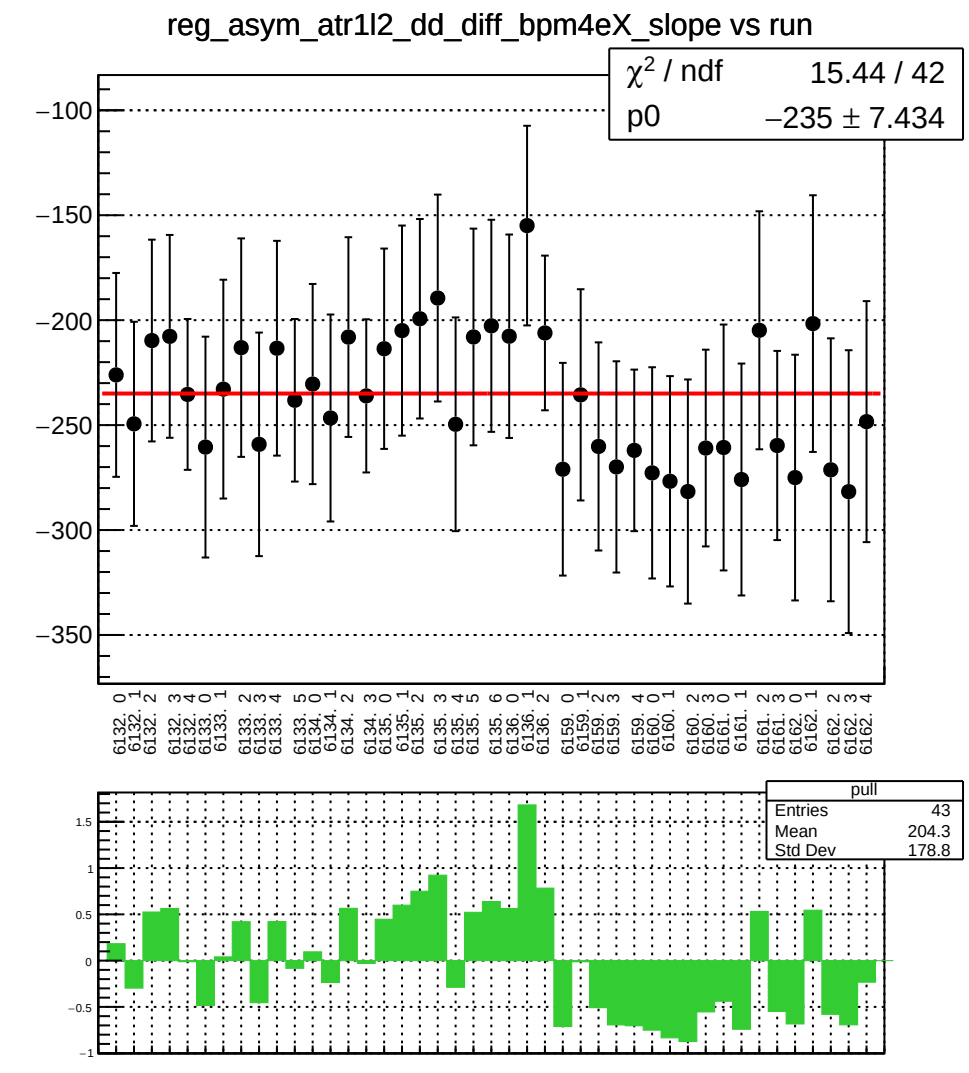

pull1D
Entries 43
Mean −0.05283
Std Dev 0.614

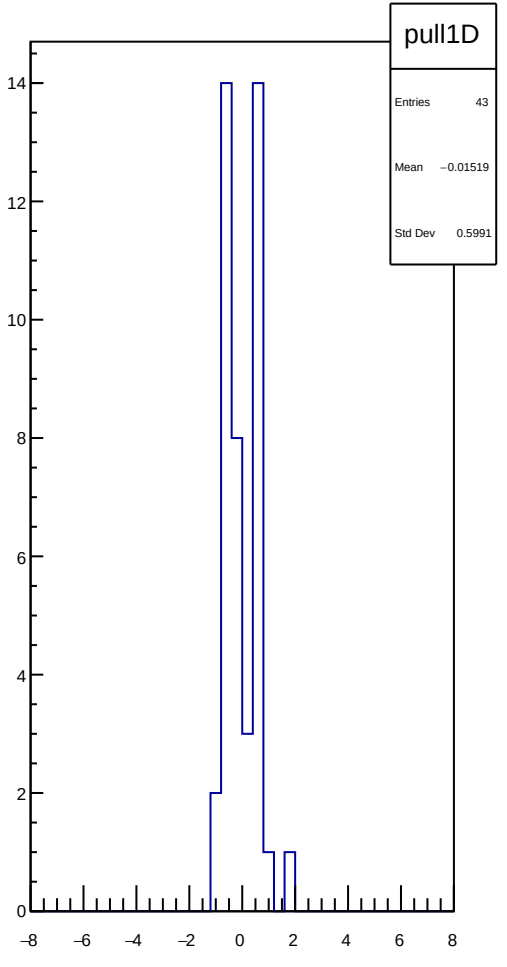

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 36.58 / 42
p0 −107.4 ± 0.3428
−102
−104
−106
−108
−110
−112
−114
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 152.8
Std Dev 130.2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.04499
Std Dev 0.9212
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

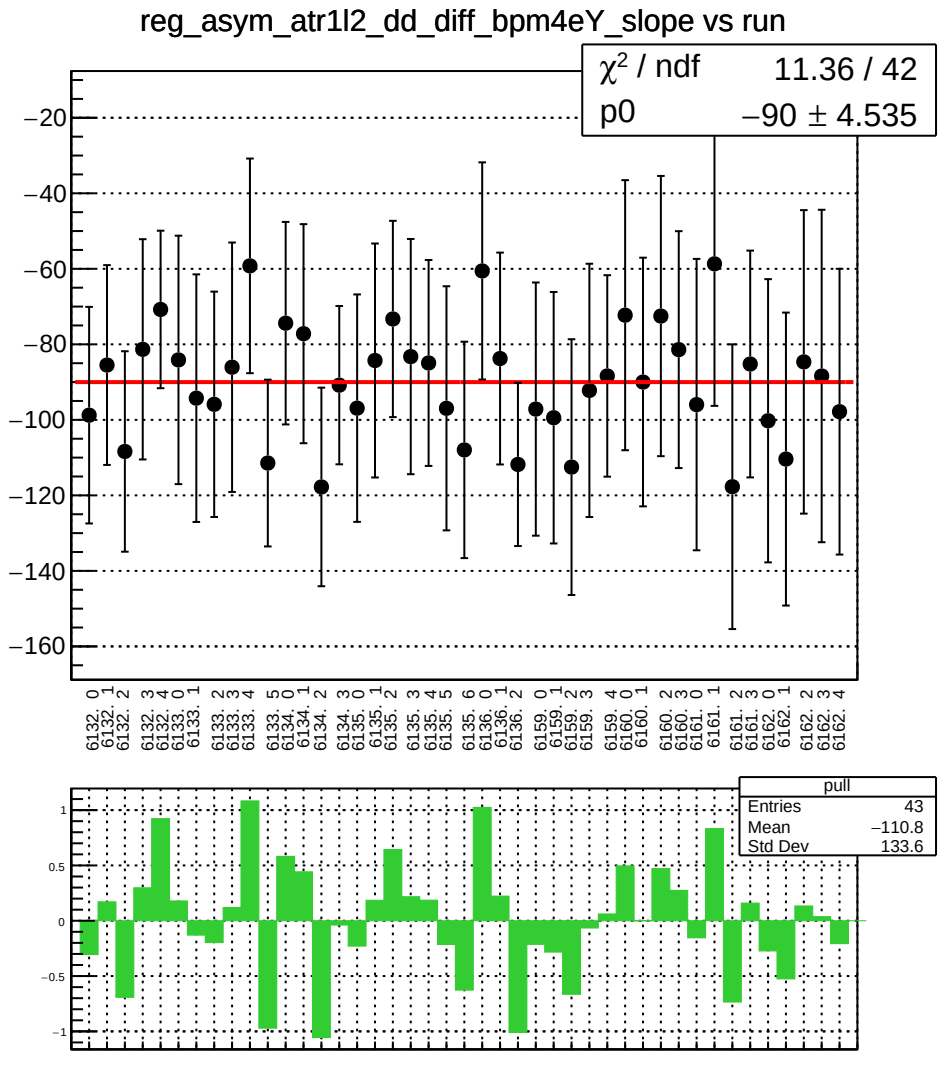

reg_asym_atr1l2_dd_diff_bpm4aX_slope vs run
χ² / ndf 17.24 / 42
p0 187 ± 6.383
300
250
200
150
100
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 242.6
Std Dev 217.8
1
0.5
0
−0.5
−1
−1.5

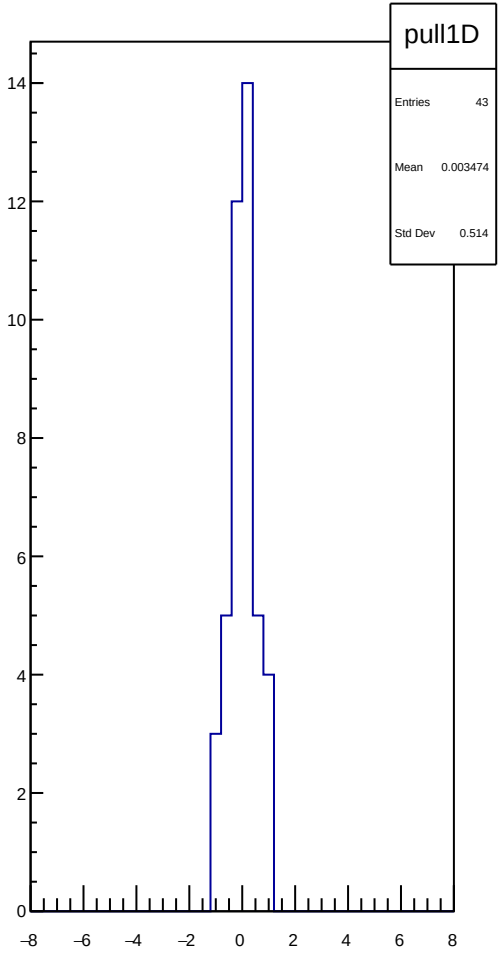

pull1D
Entries 43
Mean 0.01465
Std Dev 0.633
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

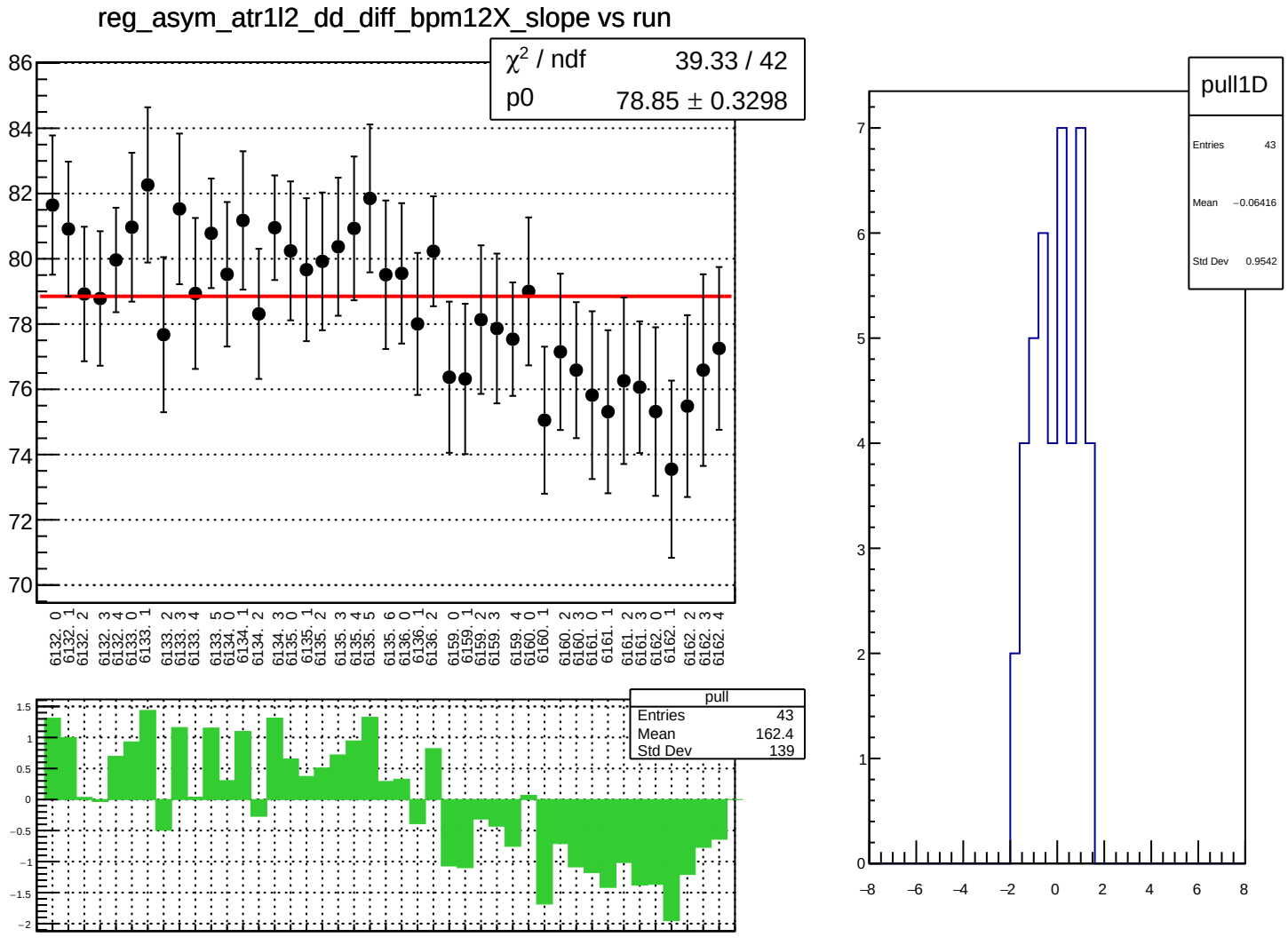

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.54 / 42
p0 26.43 ± 4.27
pull
Entries 43
Mean 27.08
Std Dev 7.452
pull1D
Entries 43
Mean −0.01198
Std Dev 0.5179

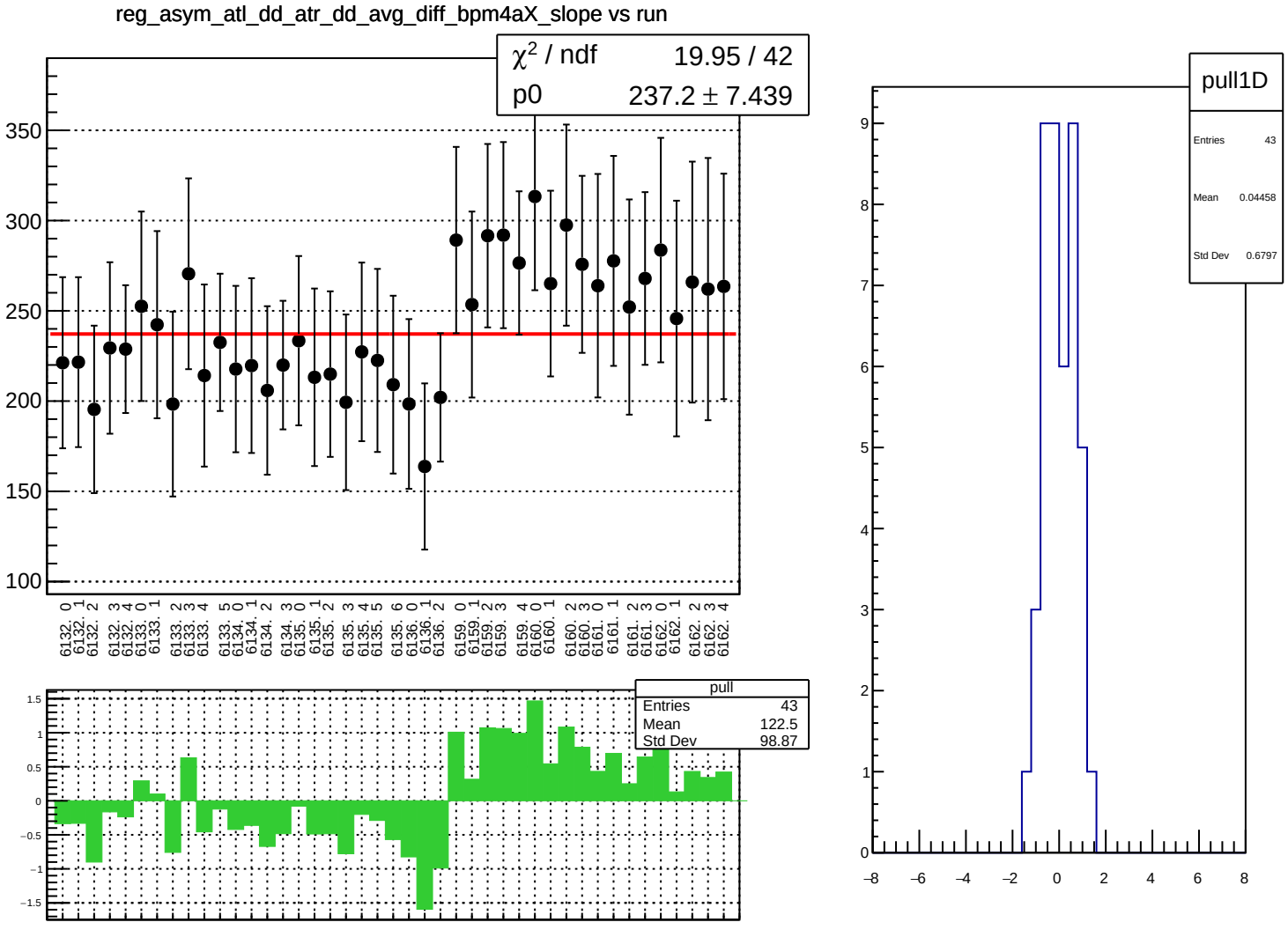

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 15.44 / 42
p0 −235 ± 7.434
−100
−150
−200
−250
−300
−350
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 204.3
Std Dev 178.8
1.5
1
0.5
0
−0.5
−1

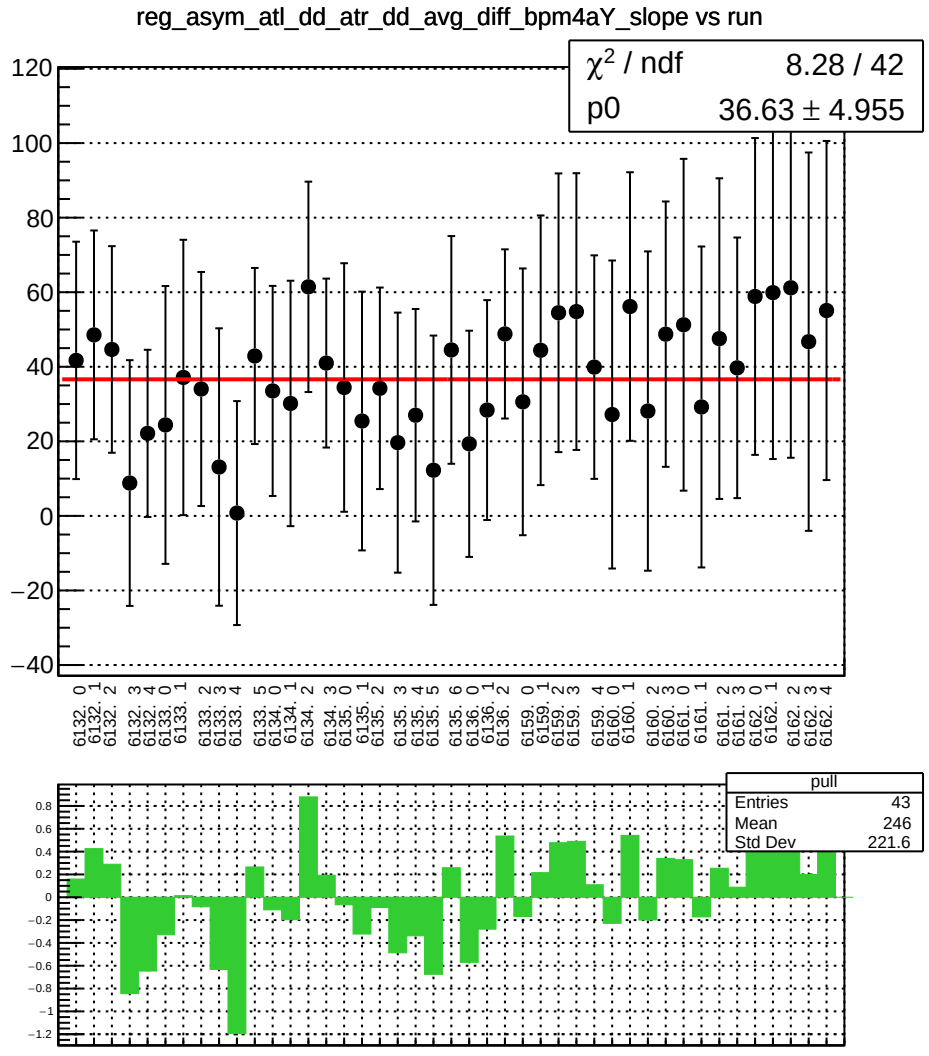

pull1D
Entries 43
Mean −0.01519
Std Dev 0.5991
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

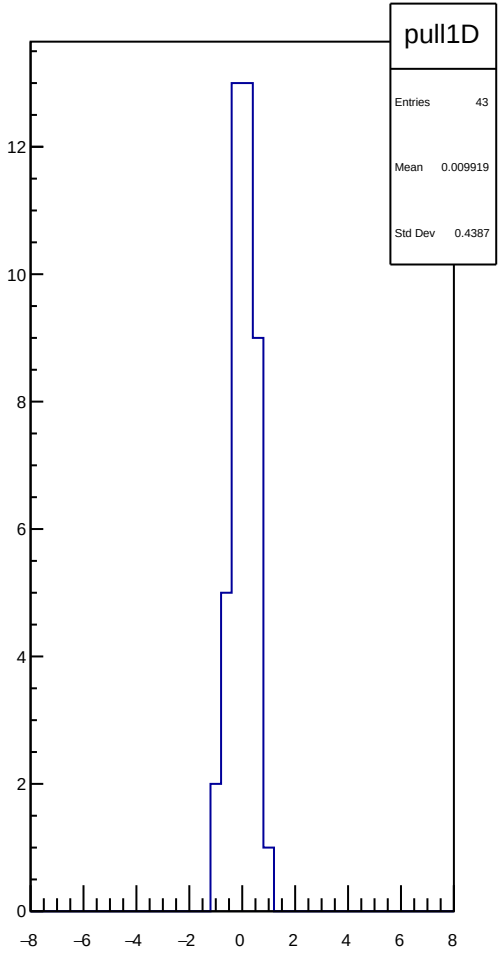

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.36 / 42
p0 −90 ± 4.535
−20
−40
−60
−80
−100
−120
−140
−160
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −110.8
Std Dev 133.6
1
0.5
0
−0.5
−1

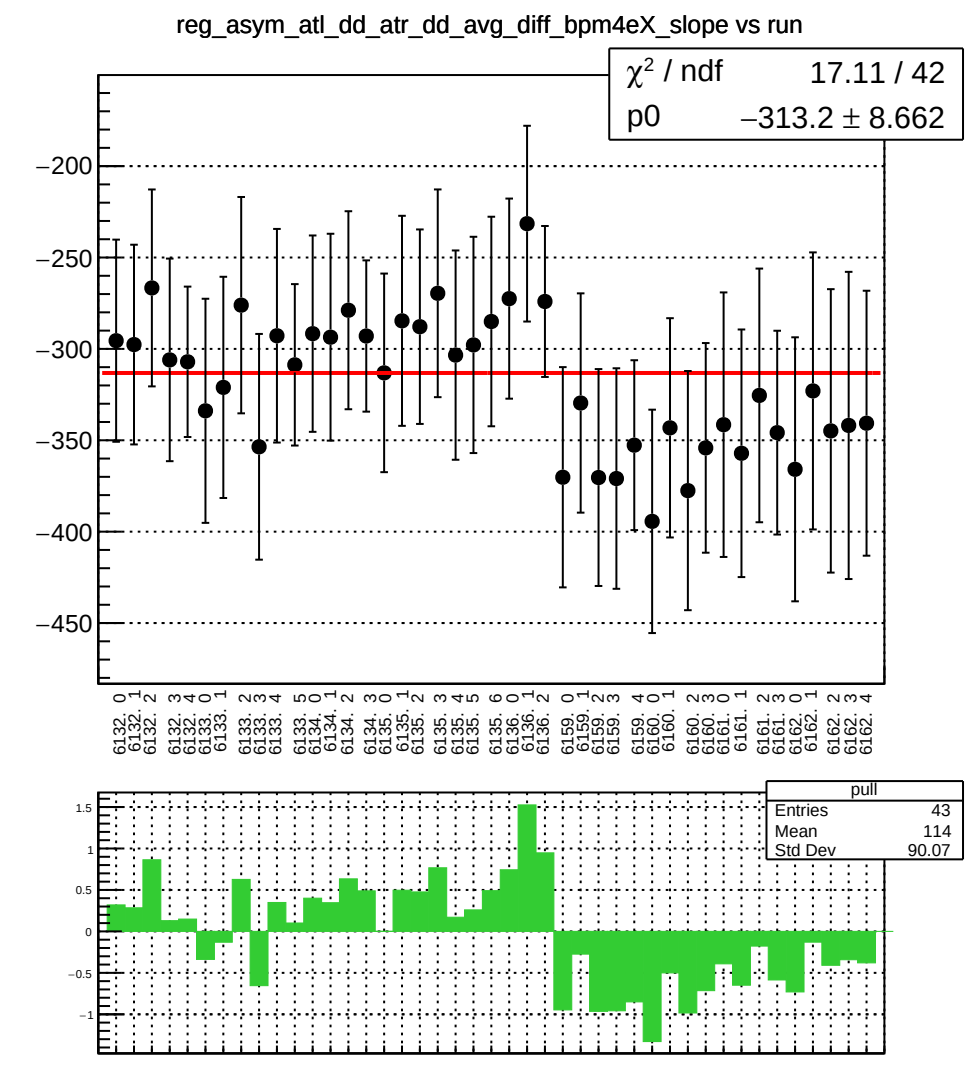

pull1D
Entries 43
Mean 0.003474
Std Dev 0.514
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

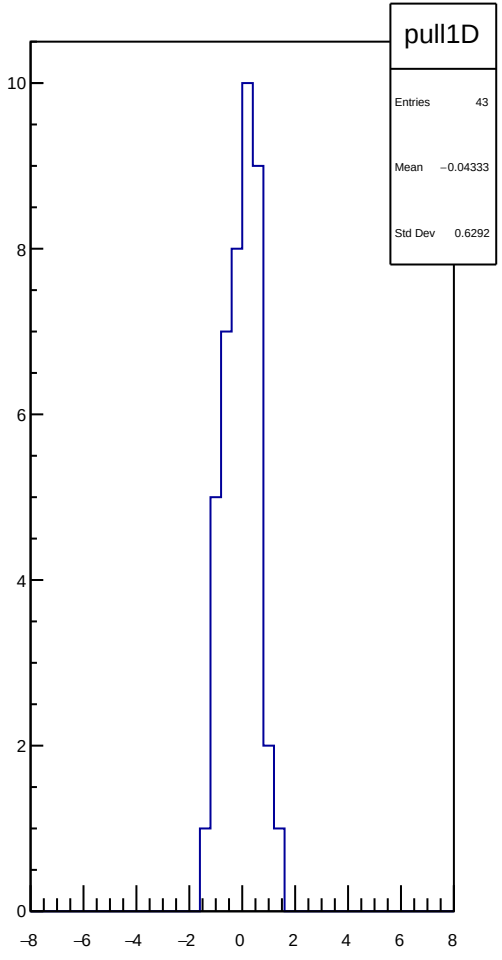

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 39.33 / 42
p0 78.85 ± 0.3298
pull
Entries 43
Mean 162.4
Std Dev 139
pull1D
Entries 43
Mean −0.06416
Std Dev 0.9542

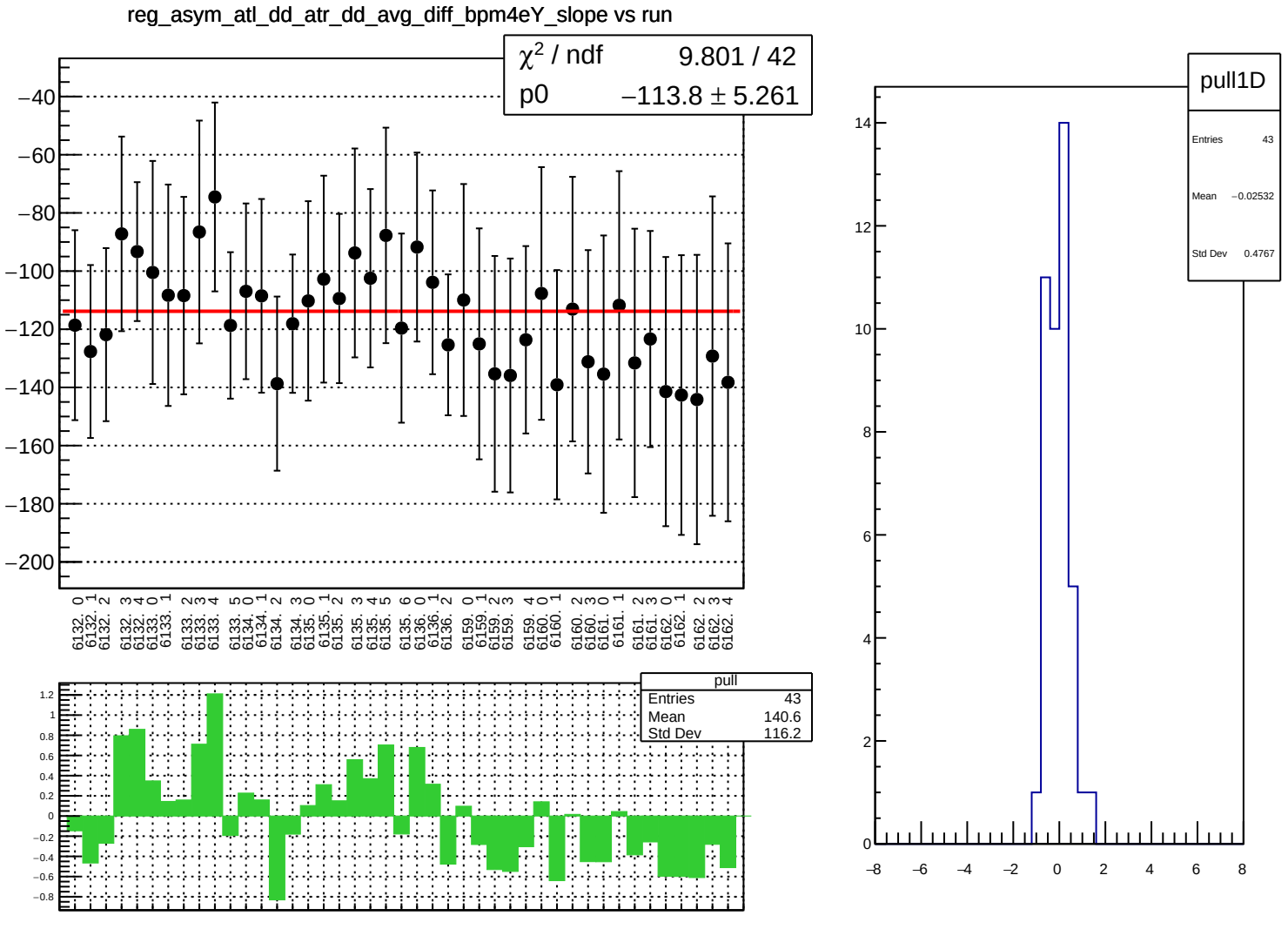

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aX_slope vs run
χ² / ndf 19.95 / 42
p0 237.2 ± 7.439
350
300
250
200
150
100
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 122.5
Std Dev 98.87
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.04458
Std Dev 0.6797
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

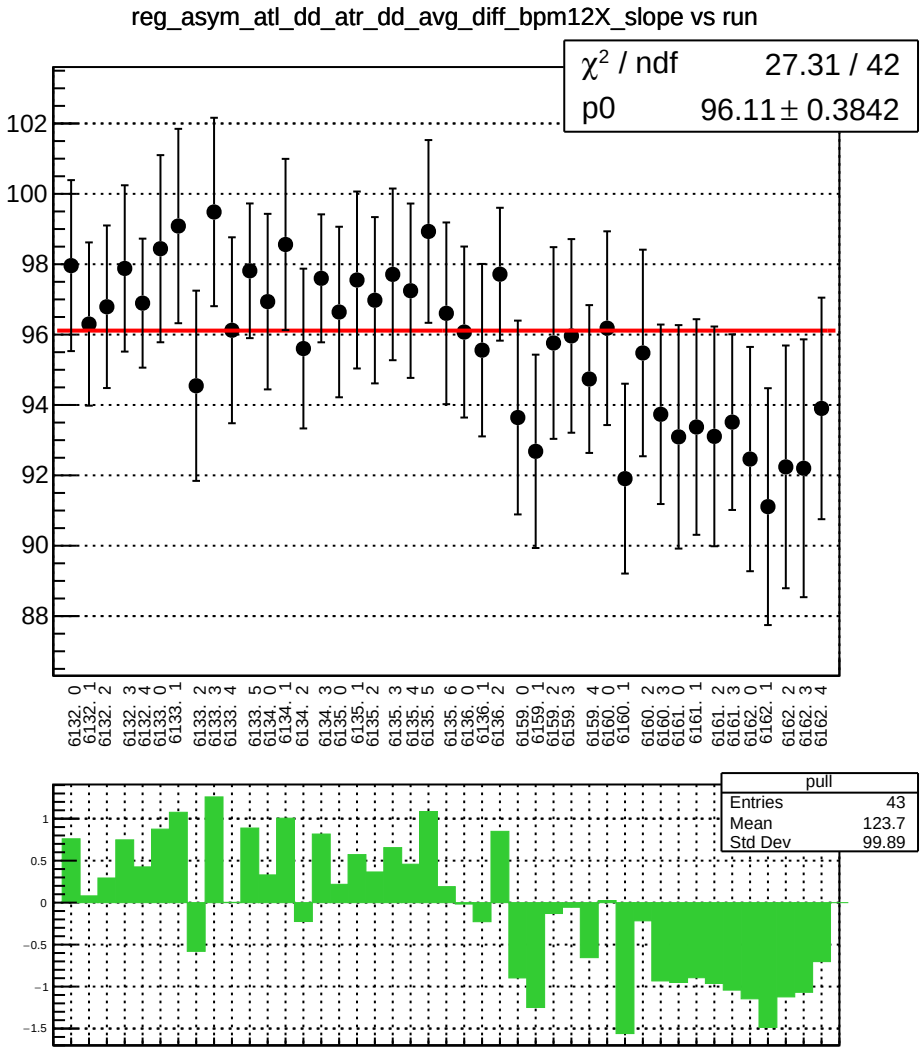

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.28 / 42
p0 36.63 ± 4.955
pull
Entries 43
Mean 246
Std Dev 221.6

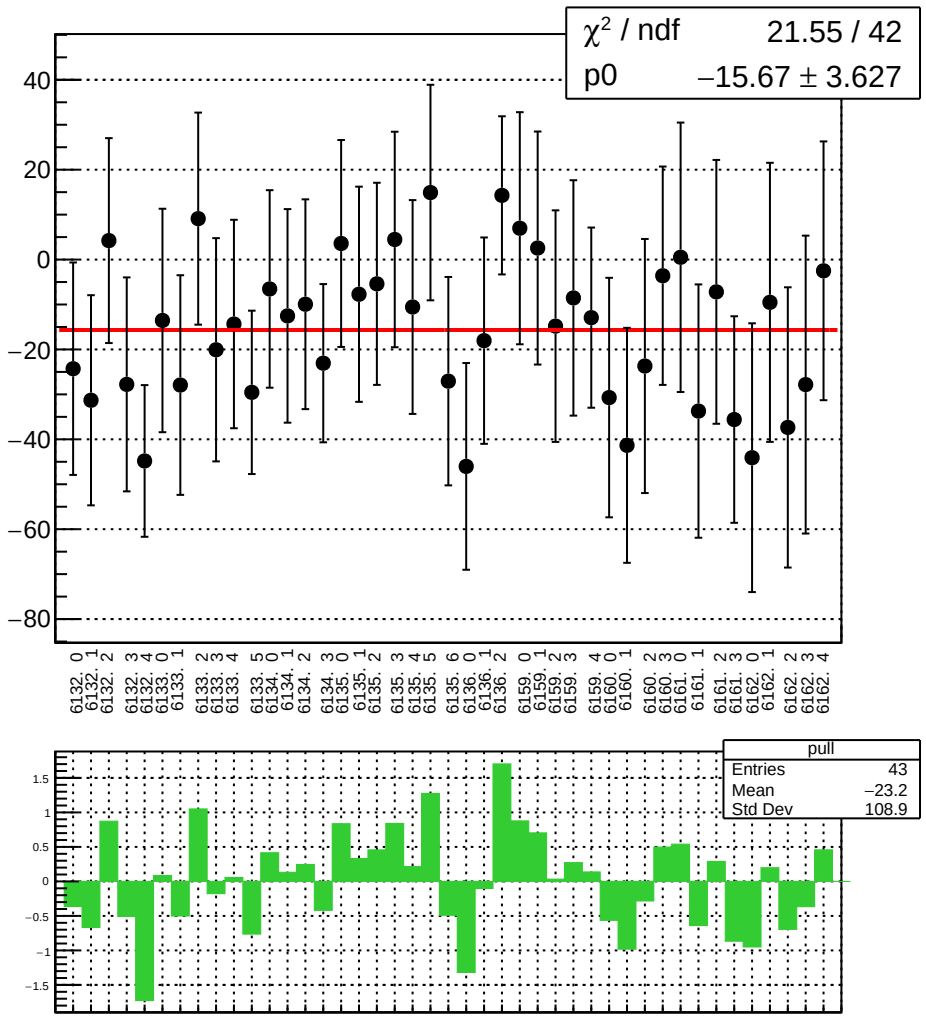

pull1D
Entries 43
Mean 0.009919
Std Dev 0.4387

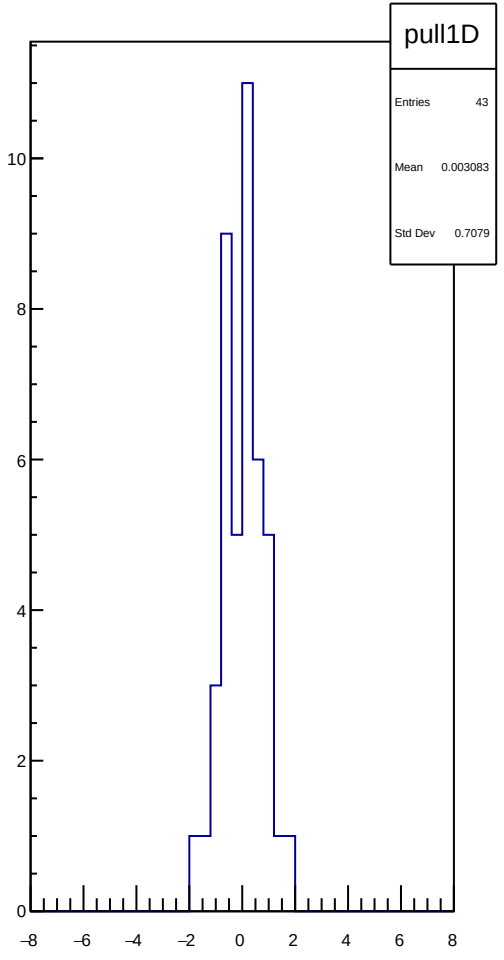

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 17.11 / 42
p0 −313.2 ± 8.662
pull
Entries 43
Mean 114
Std Dev 90.07

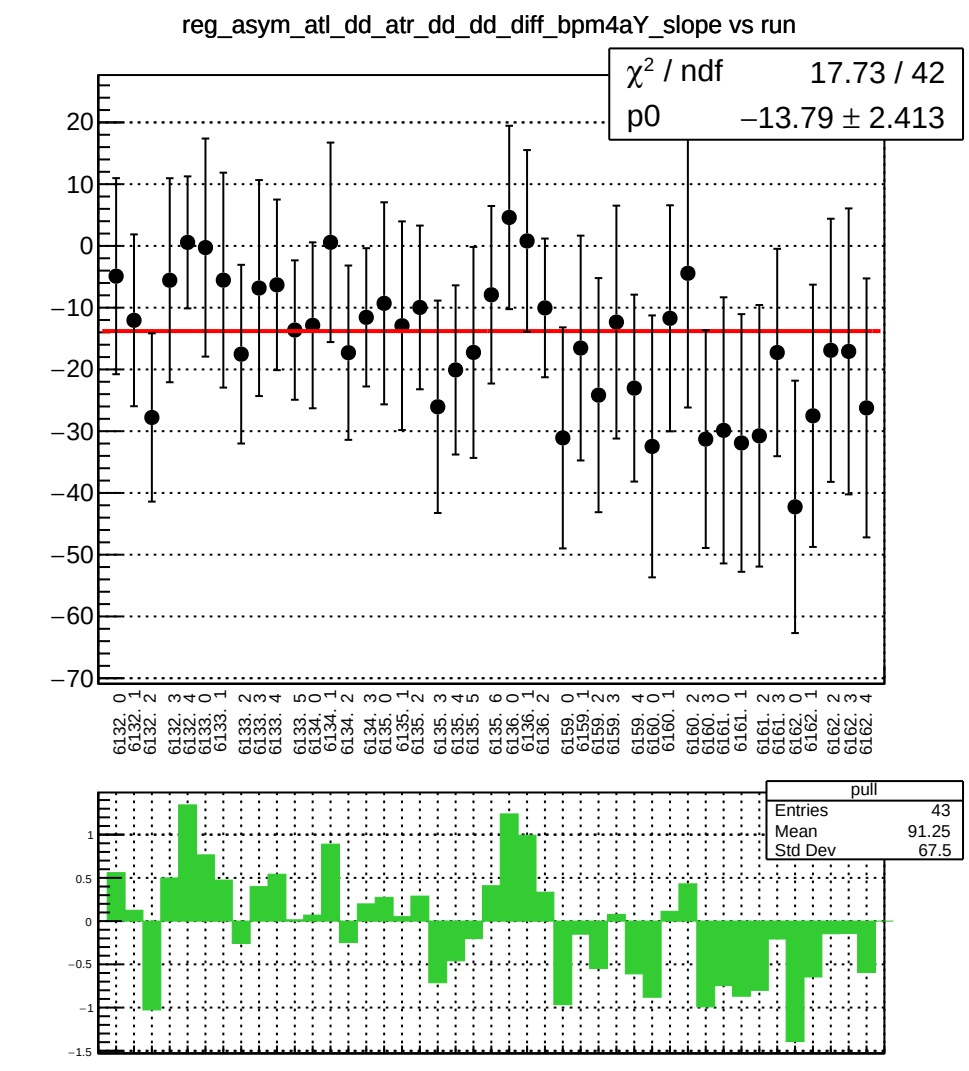

pull1D
Entries 43
Mean −0.04333
Std Dev 0.6292

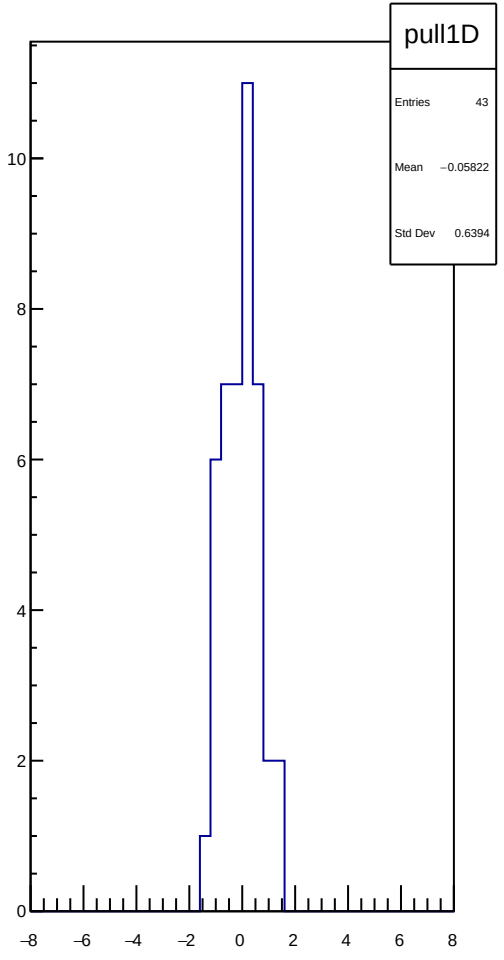

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.801 / 42
p0 −113.8 ± 5.261
−40
−60
−80
−100
−120
−140
−160
−180
−200
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 140.6
Std Dev 116.2
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 43
Mean −0.02532
Std Dev 0.4767
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

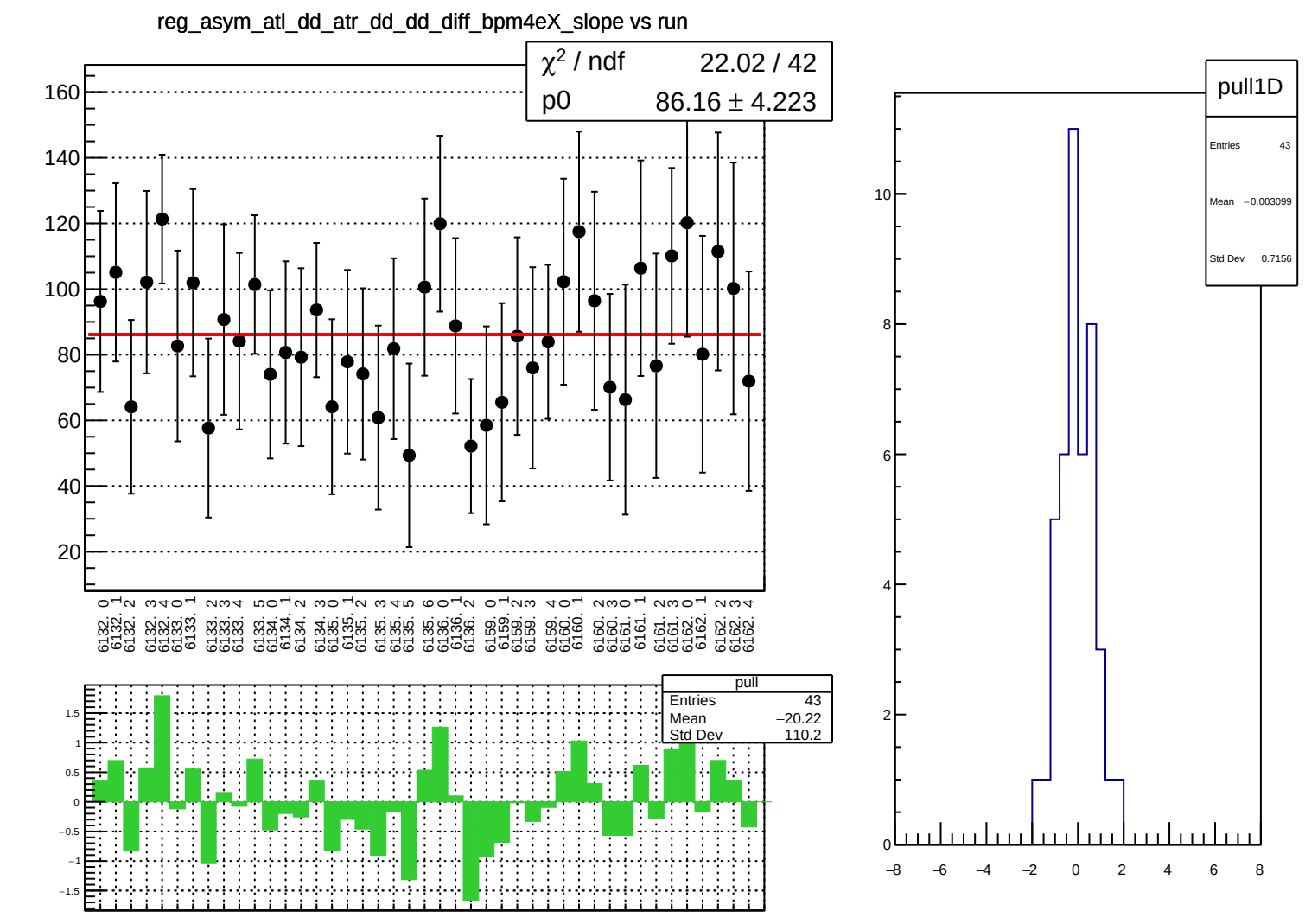

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 27.31 / 42
p0 96.11 ± 0.3842
102
100
98
96
94
92
90
88
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 123.7
Std Dev 99.89
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.07294
Std Dev 0.7936
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

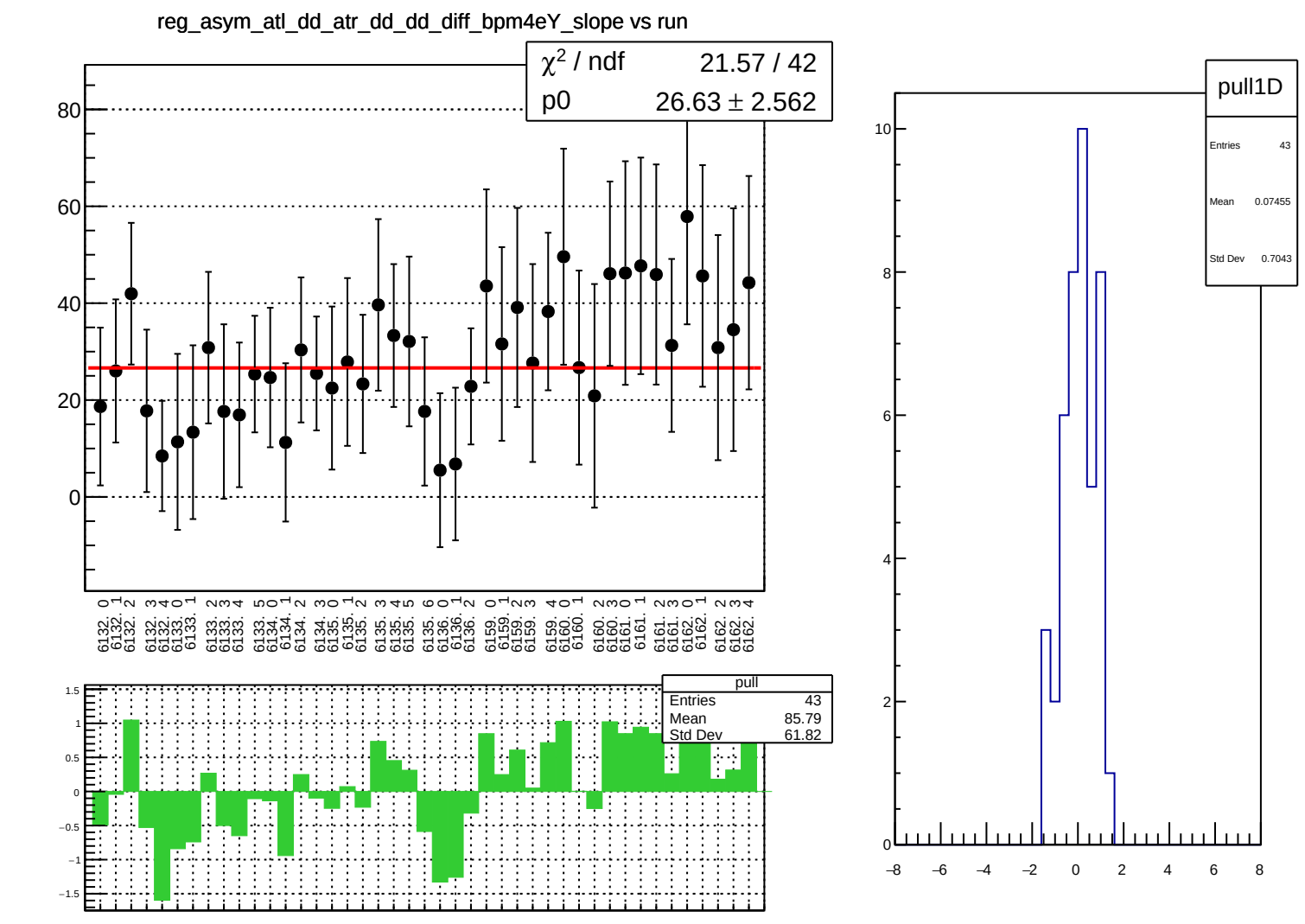

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aX_slope vs run
χ² / ndf 21.55 / 42
p0 −15.67 ± 3.627
pull
Entries 43
Mean −23.2
Std Dev 108.9

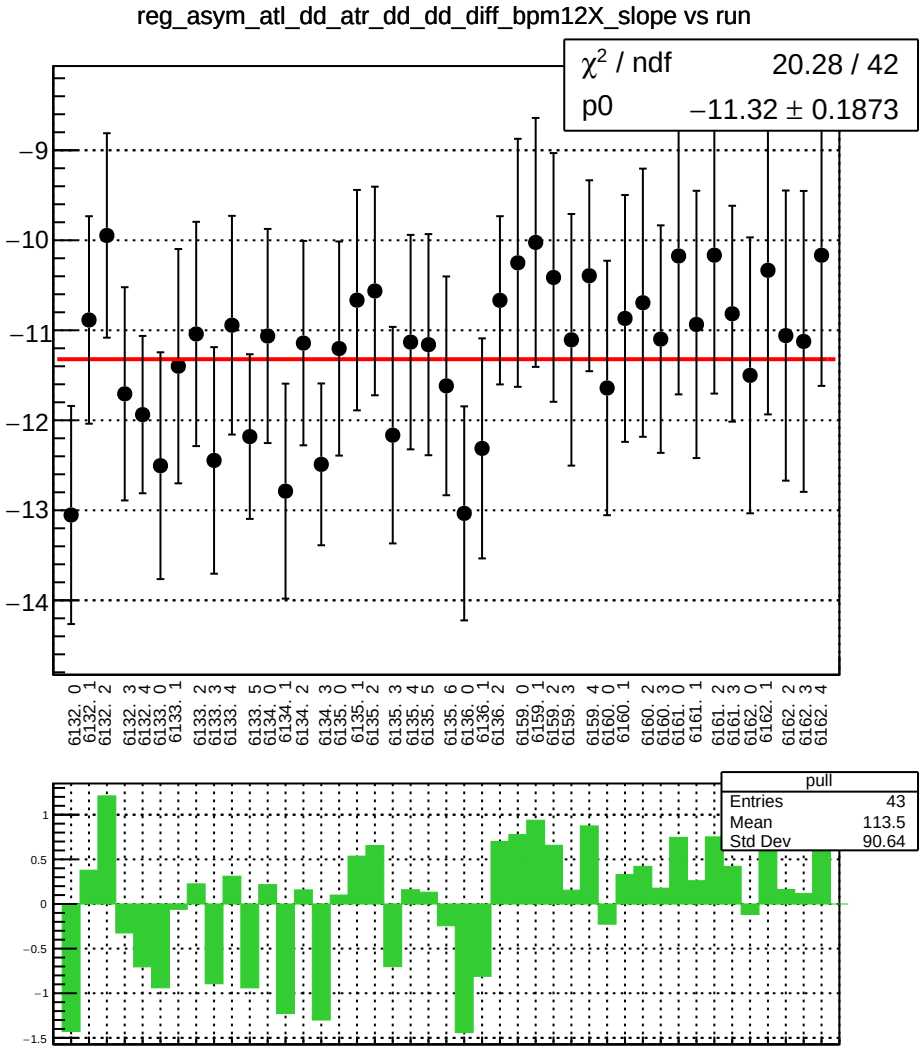

pull1D
Entries 43
Mean 0.003083
Std Dev 0.7079

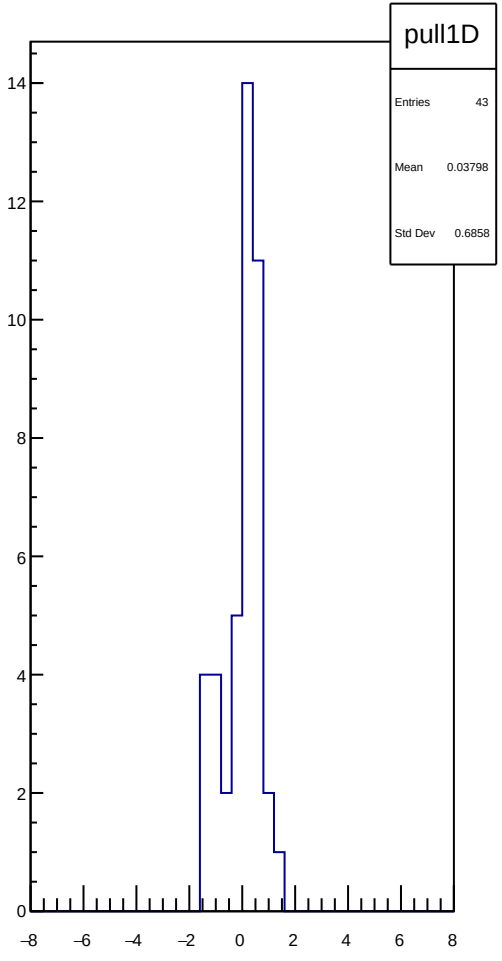

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 17.73 / 42
p0 −13.79 ± 2.413
pull
Entries 43
Mean 91.25
Std Dev 67.5

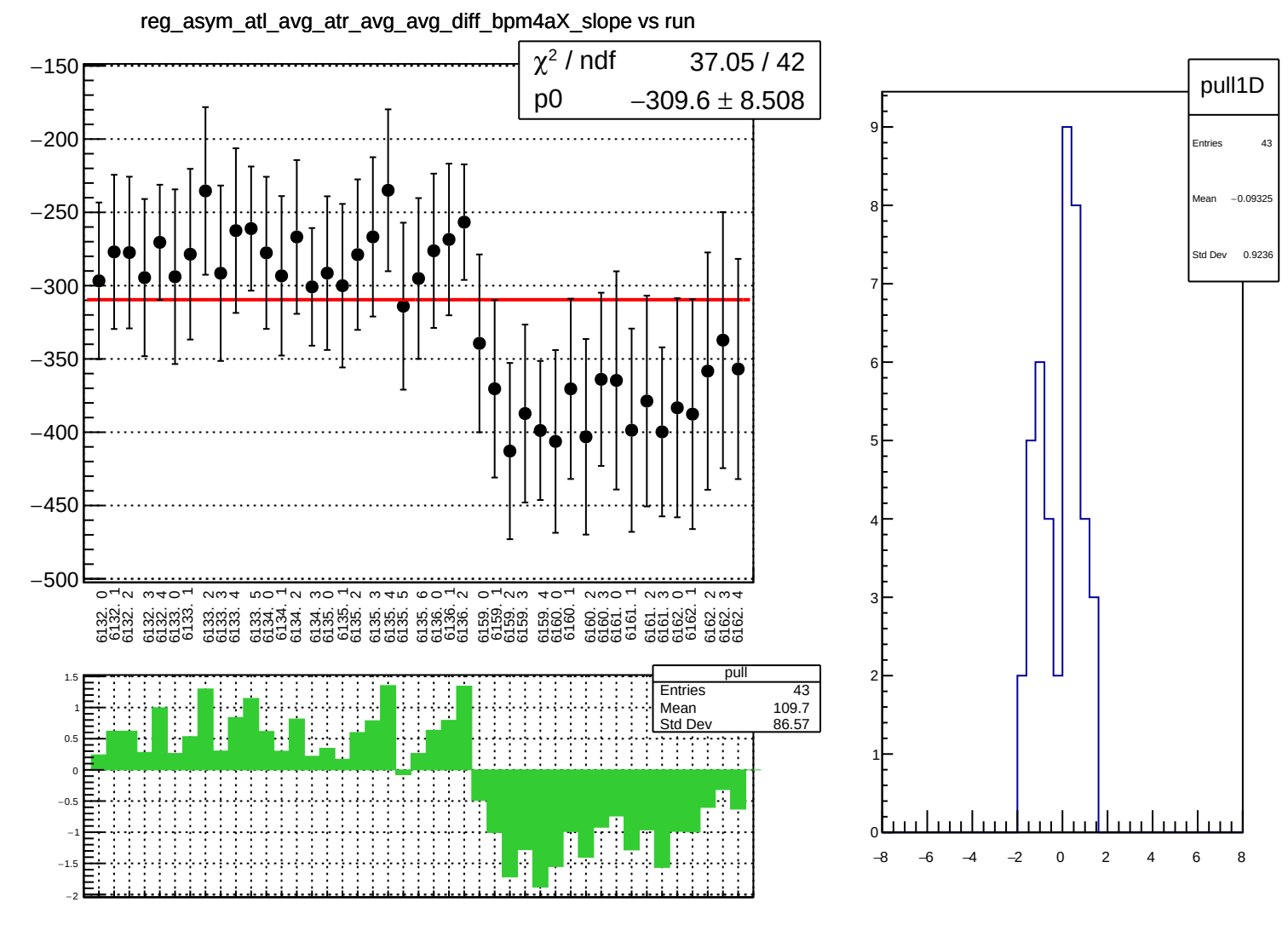

pull1D
Entries 43
Mean −0.05822
Std Dev 0.6394

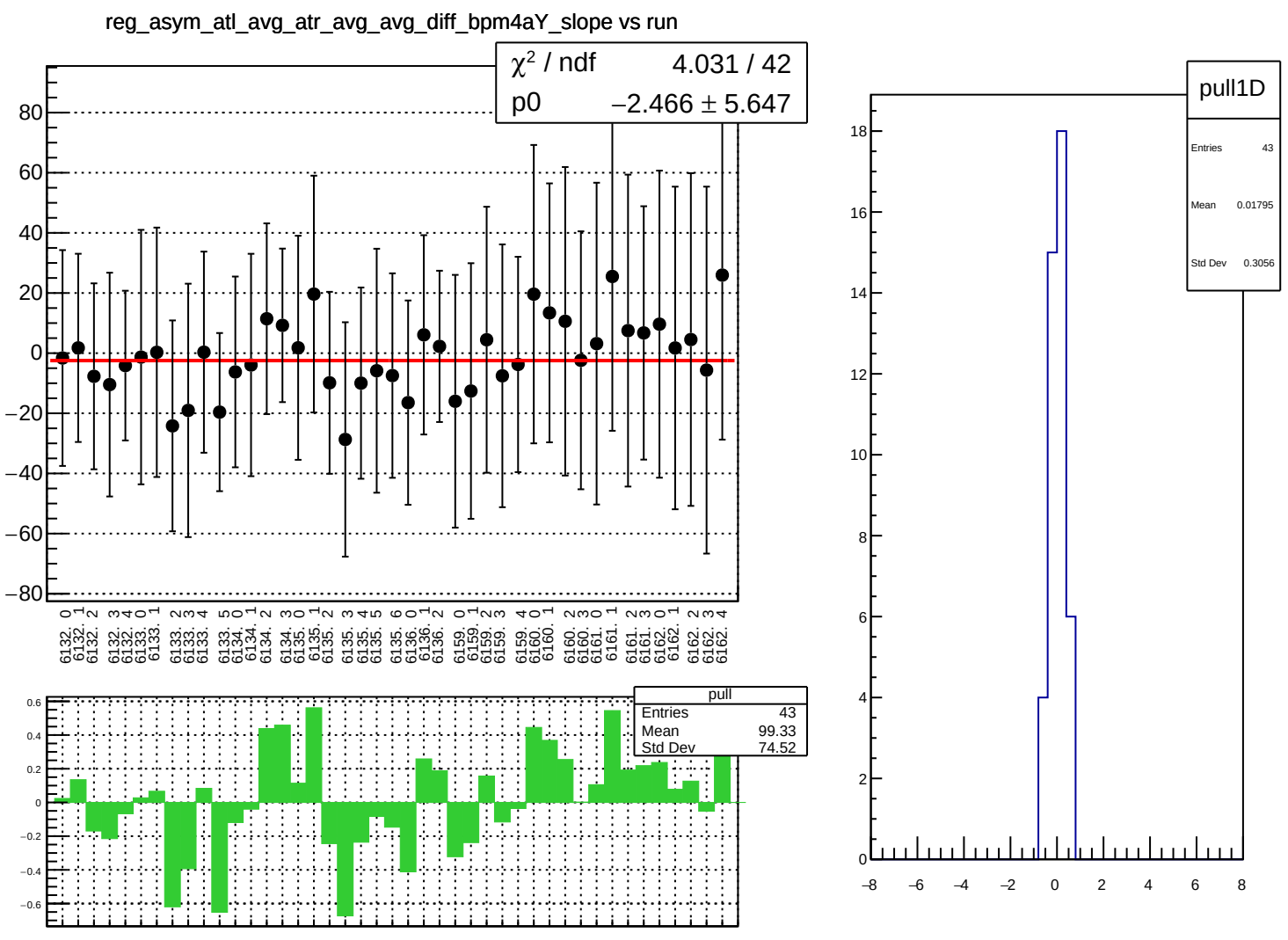

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 22.02 / 42
p0 86.16 ± 4.223
160
140
120
100
80
60
40
20
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −20.22
Std Dev 110.2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.003099
Std Dev 0.7156
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

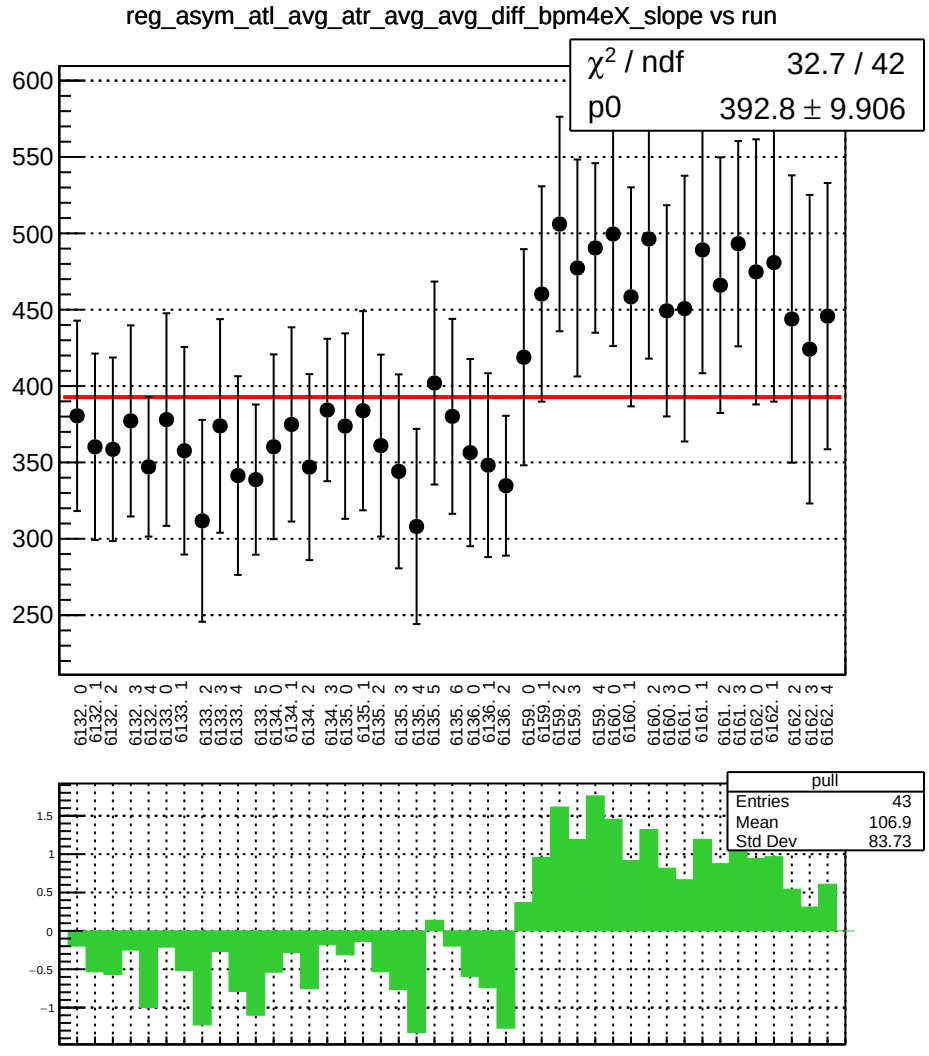

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 21.57 / 42
p0 26.63 ± 2.562
pull
Entries 43
Mean 85.79
Std Dev 61.82
pull1D
Entries 43
Mean 0.07455
Std Dev 0.7043

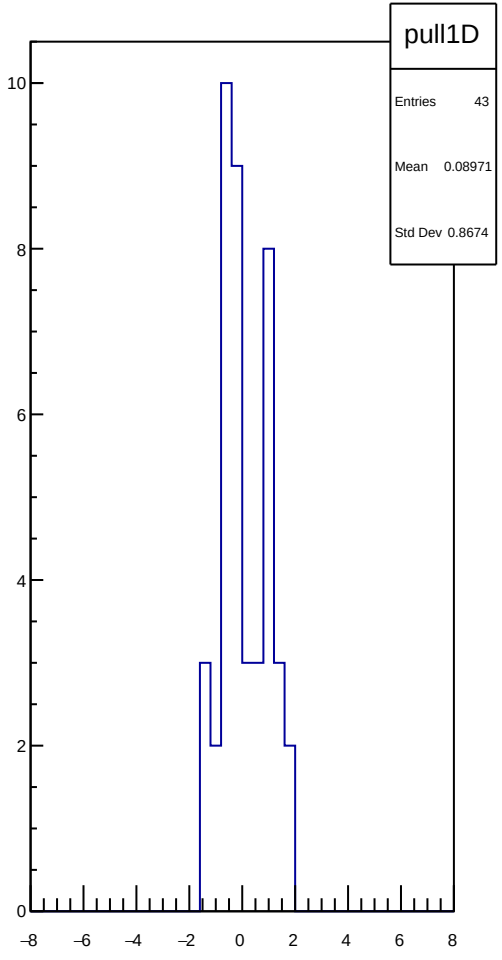

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 20.28 / 42
p0 −11.32 ± 0.1873
pull
Entries 43
Mean 113.5
Std Dev 90.64

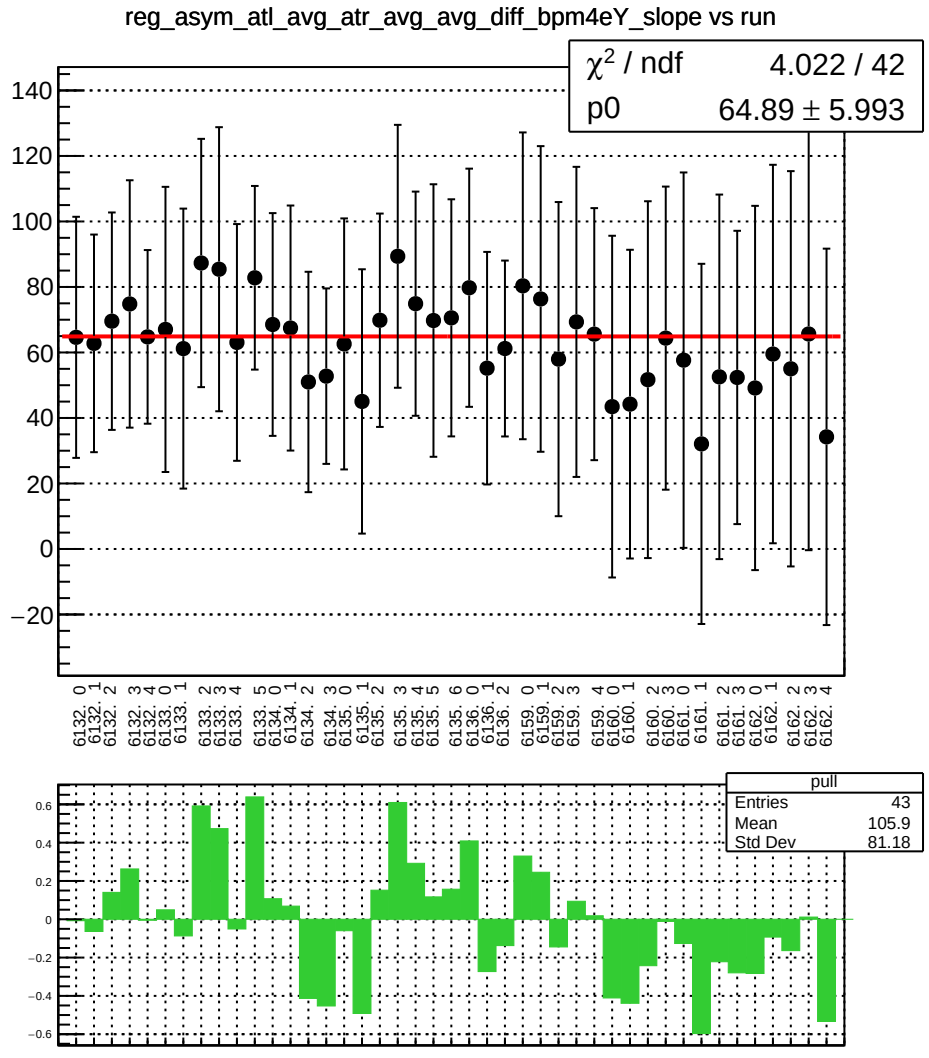

pull1D
Entries 43
Mean 0.03798
Std Dev 0.6858

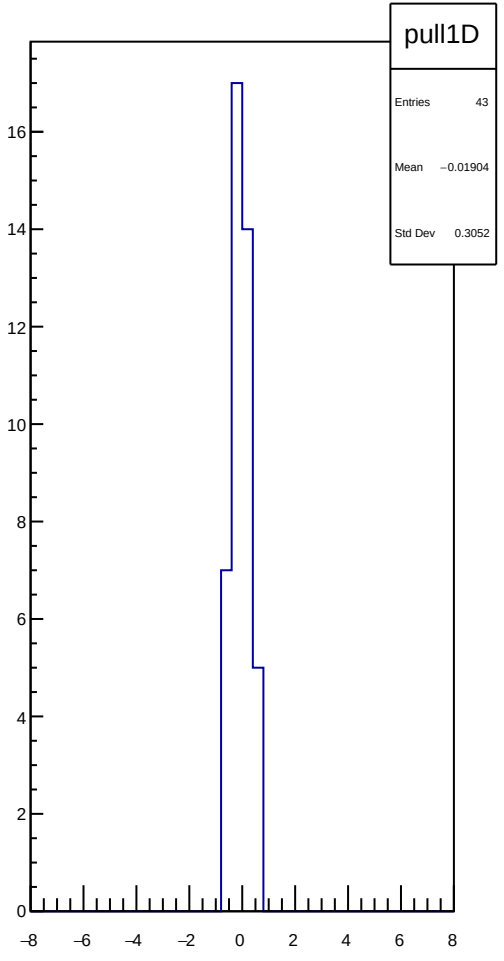

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aX_slope vs run
χ² / ndf 37.05 / 42
p0 −309.6 ± 8.508
pull
Entries 43
Mean 109.7
Std Dev 86.57
pull1D
Entries 43
Mean −0.09325
Std Dev 0.9236

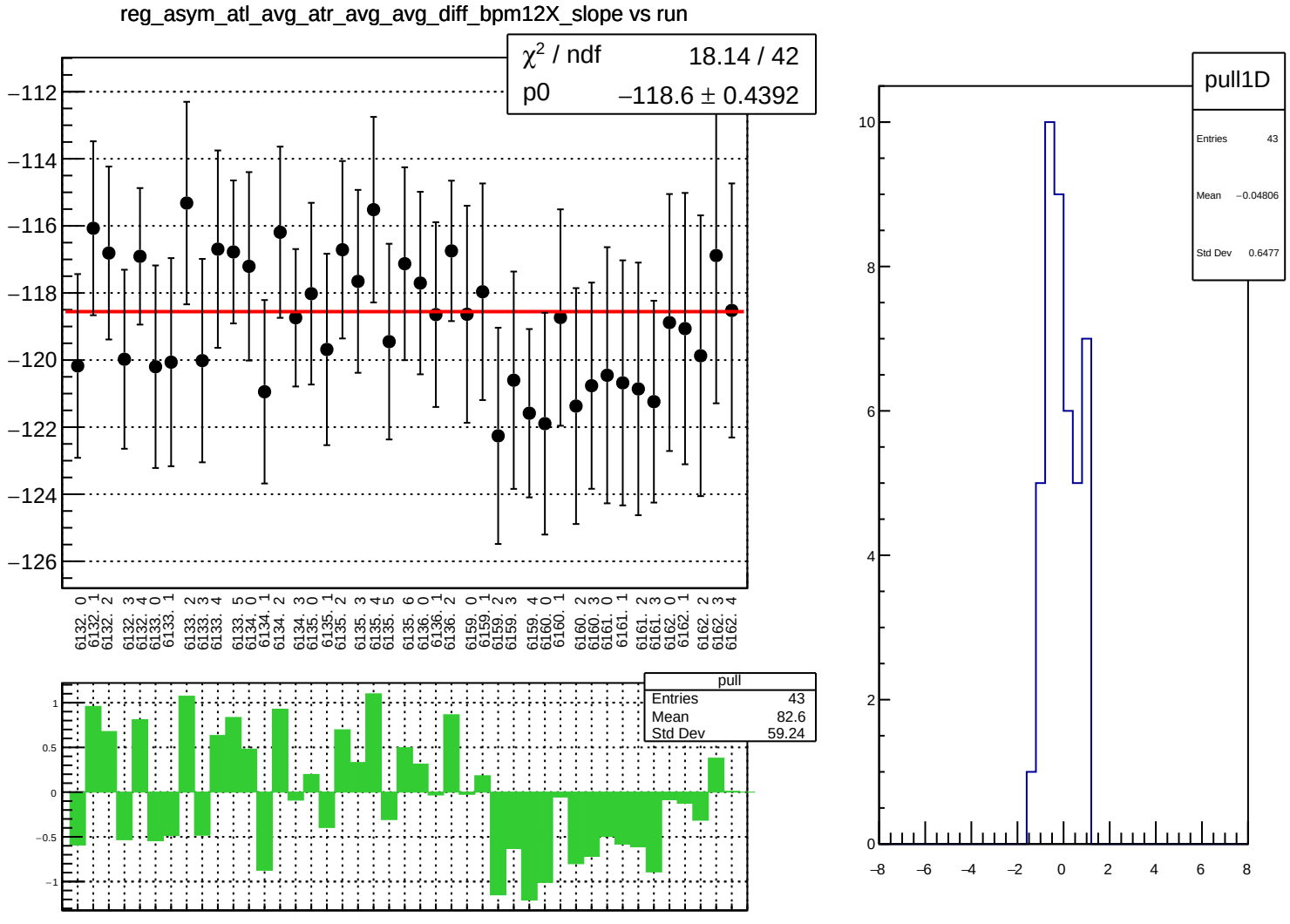

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.031 / 42
p0 −2.466 ± 5.647
pull
Entries 43
Mean 99.33
Std Dev 74.52
pull1D
Entries 43
Mean 0.01795
Std Dev 0.3056

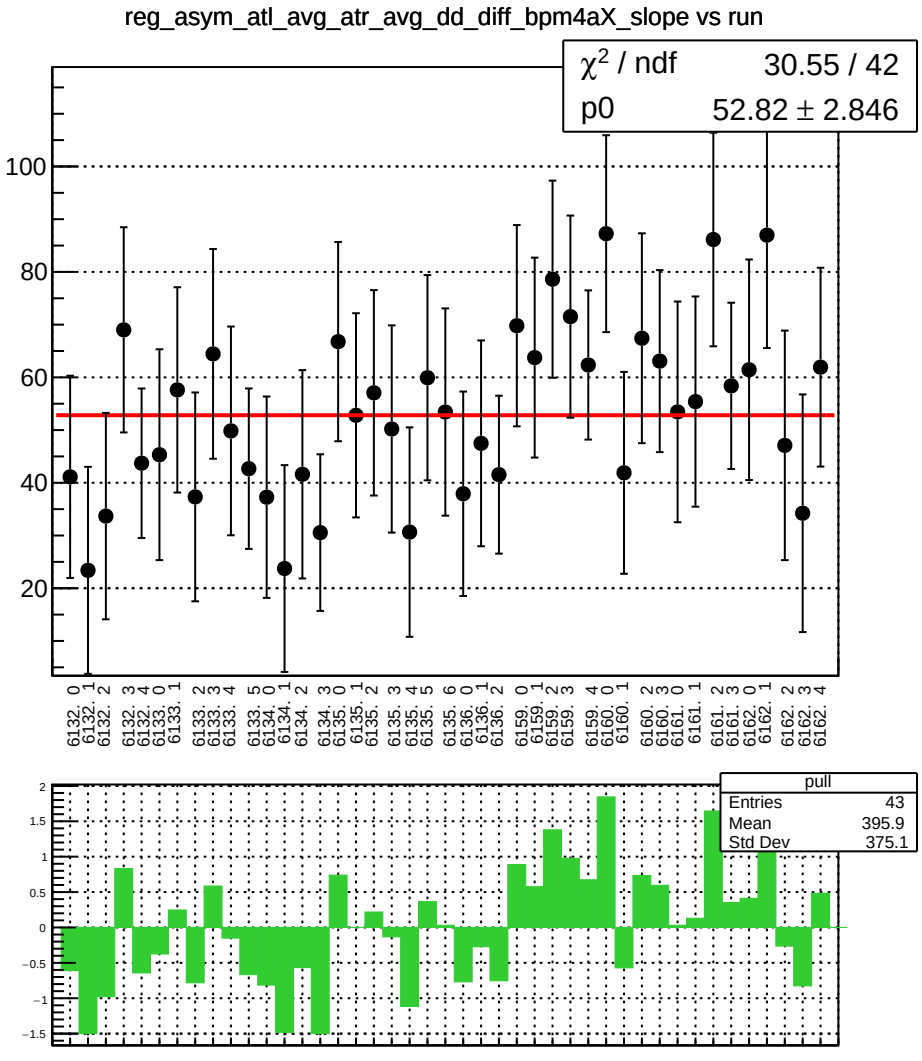

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 32.7 / 42
p0 392.8 ± 9.906
pull
Entries 43
Mean 106.9
Std Dev 83.73

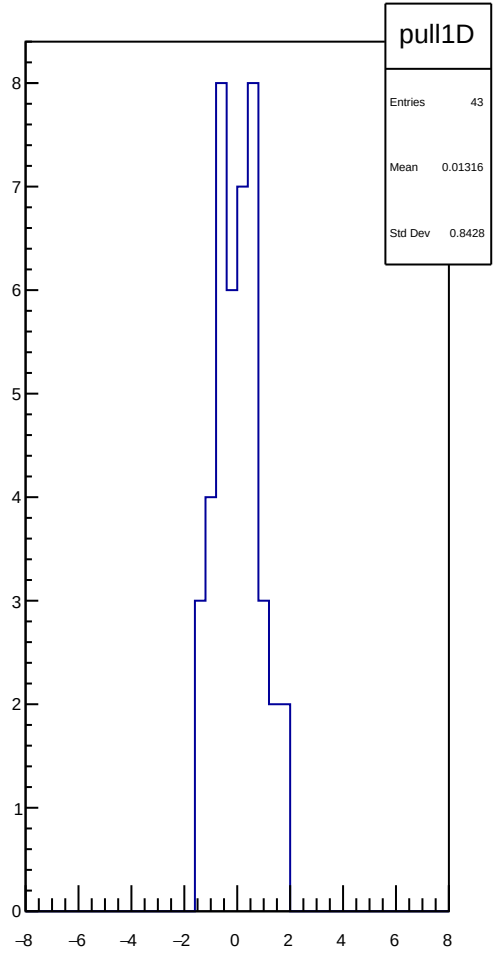

pull1D
Entries 43
Mean 0.08971
Std Dev 0.8674

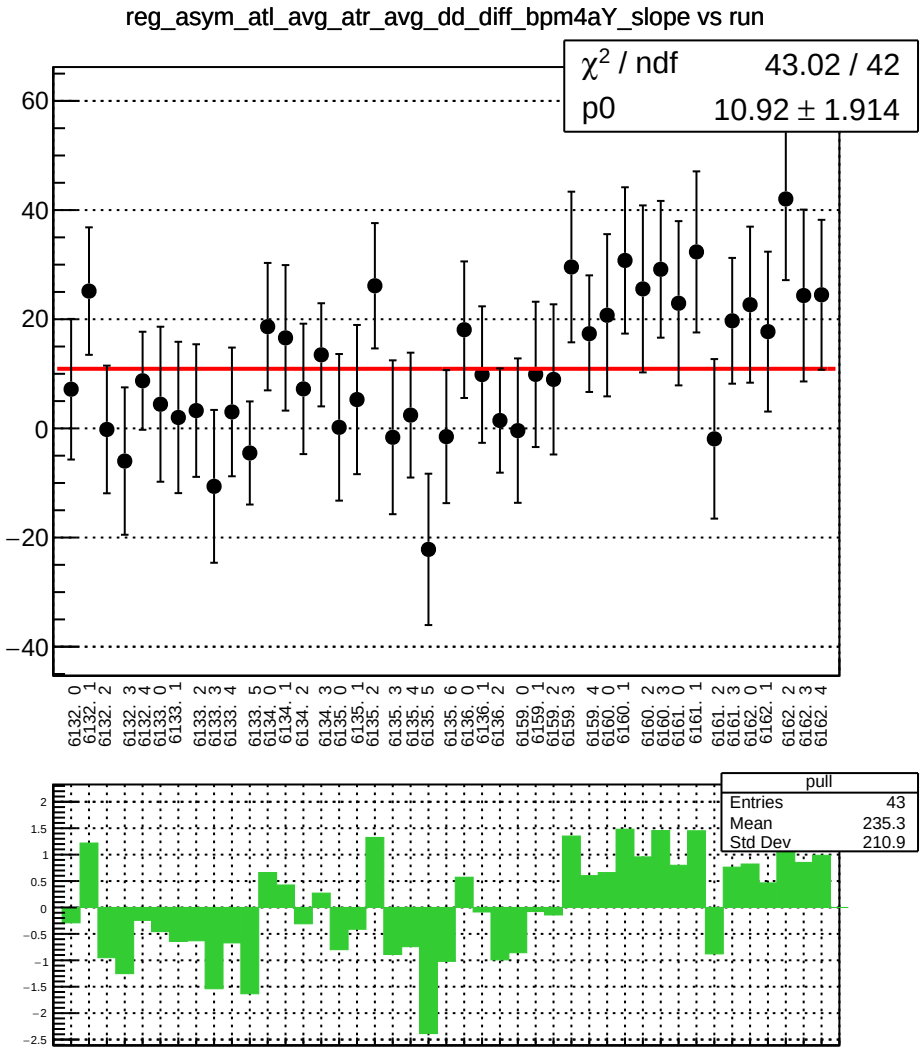

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.022 / 42
p0 64.89 ± 5.993
pull
Entries 43
Mean 105.9
Std Dev 81.18

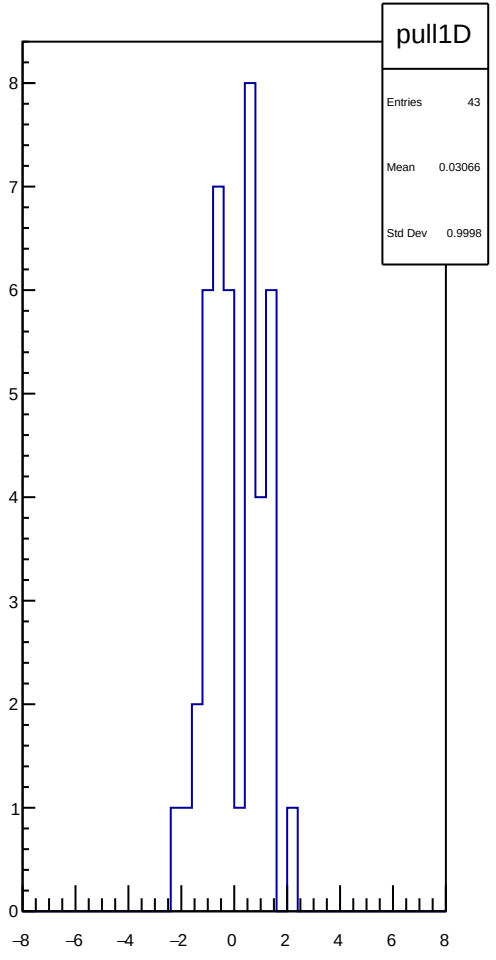

pull1D
Entries 43
Mean −0.01904
Std Dev 0.3052

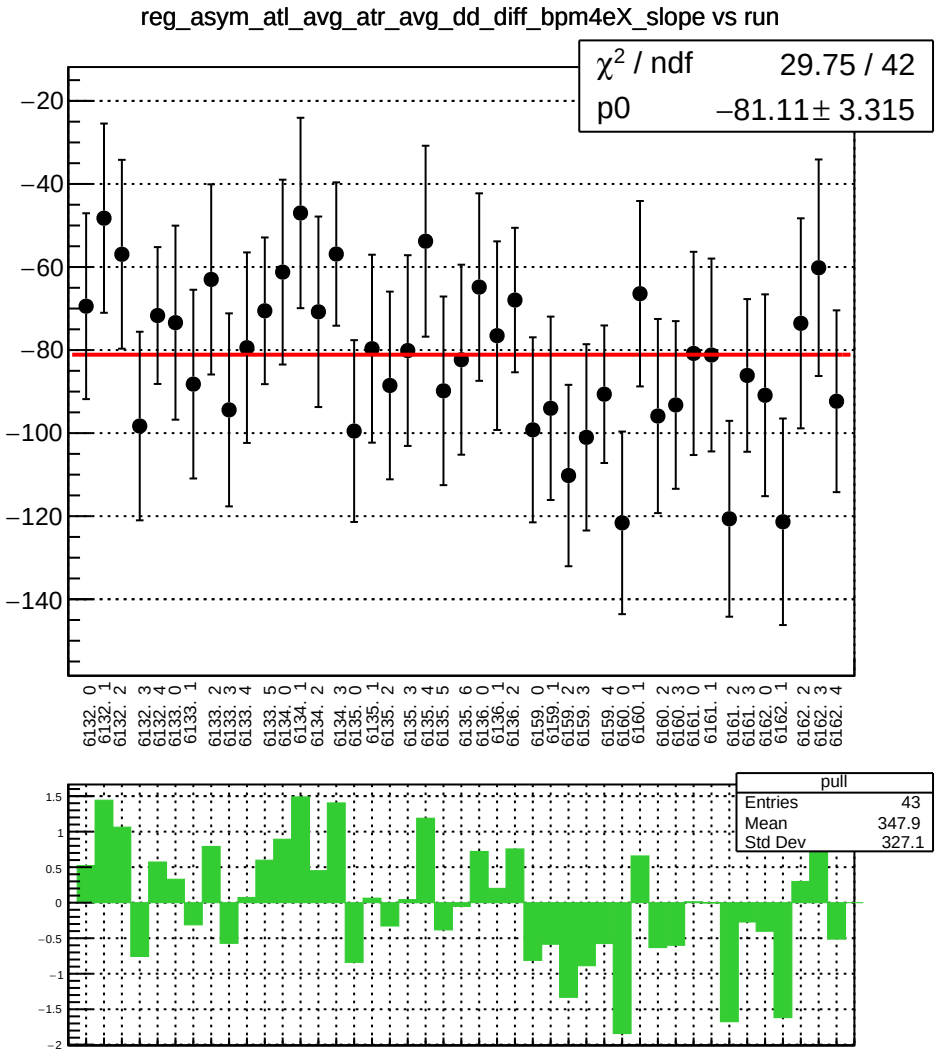

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 18.14 / 42
p0 −118.6 ± 0.4392
−112
−114
−116
−118
−120
−122
−124
−126
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 82.6
Std Dev 59.24
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean −0.04806
Std Dev 0.6477
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

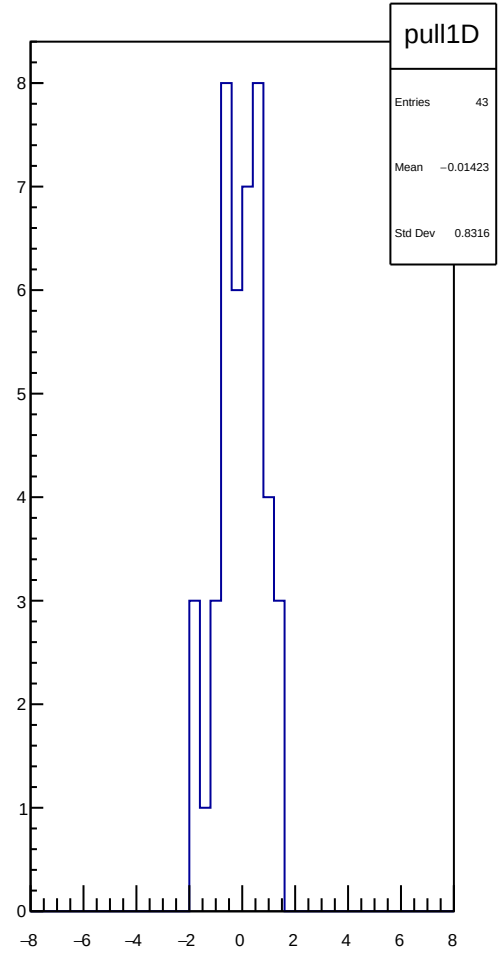

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aX_slope vs run
χ² / ndf 30.55 / 42
p0 52.82 ± 2.846
pull
Entries 43
Mean 395.9
Std Dev 375.1

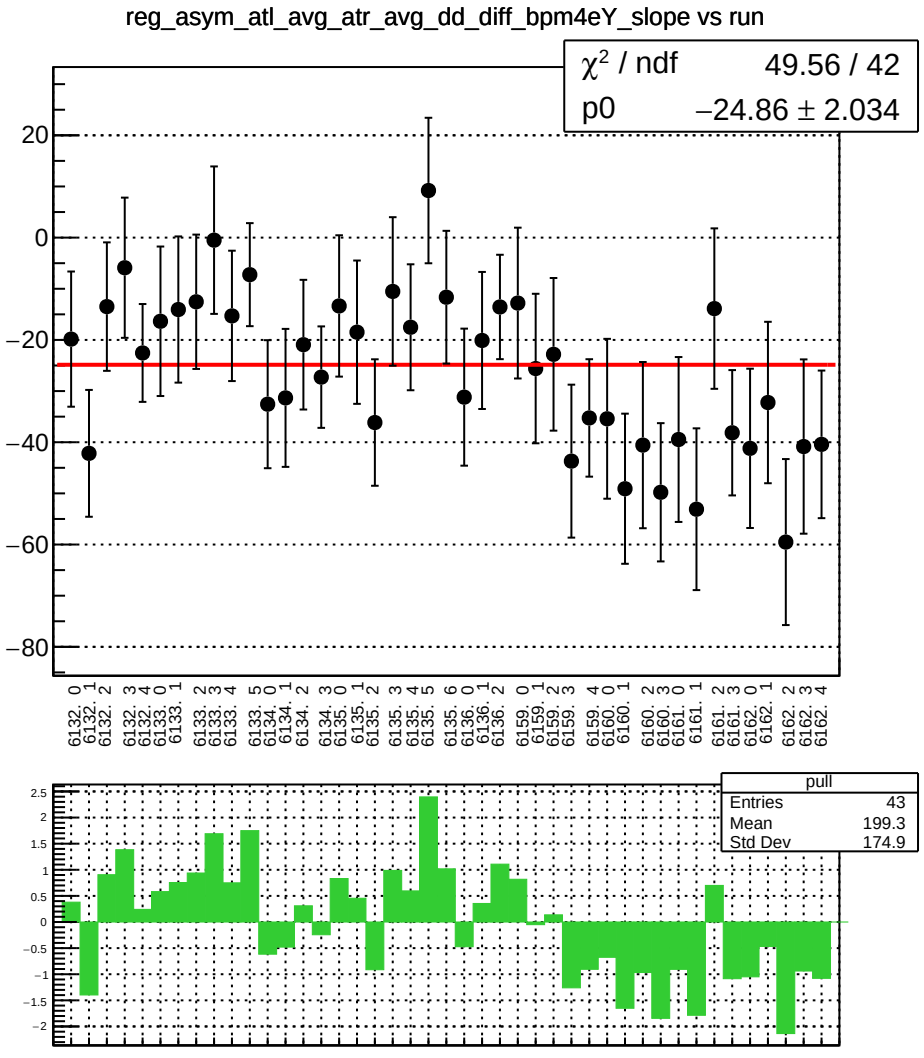

pull1D
Entries 43
Mean 0.01316
Std Dev 0.8428

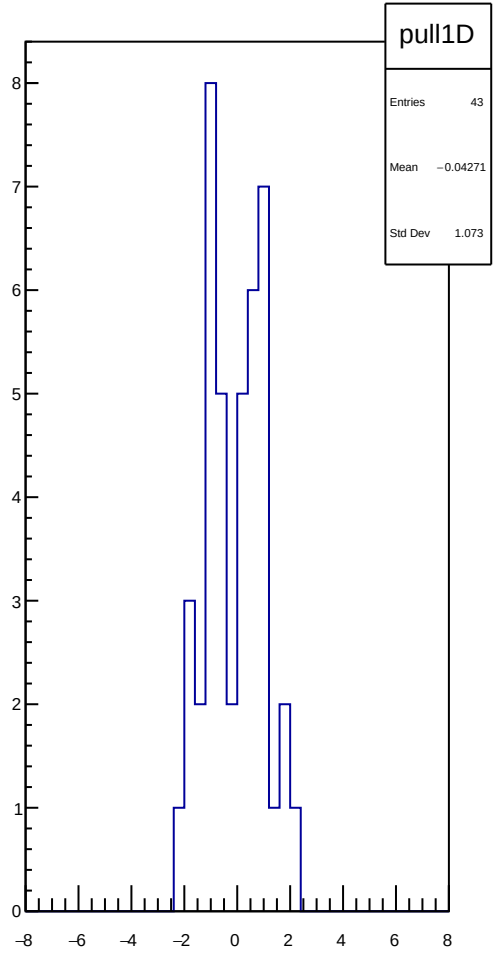

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 43.02 / 42
p0 10.92 ± 1.914
pull
Entries 43
Mean 235.3
Std Dev 210.9

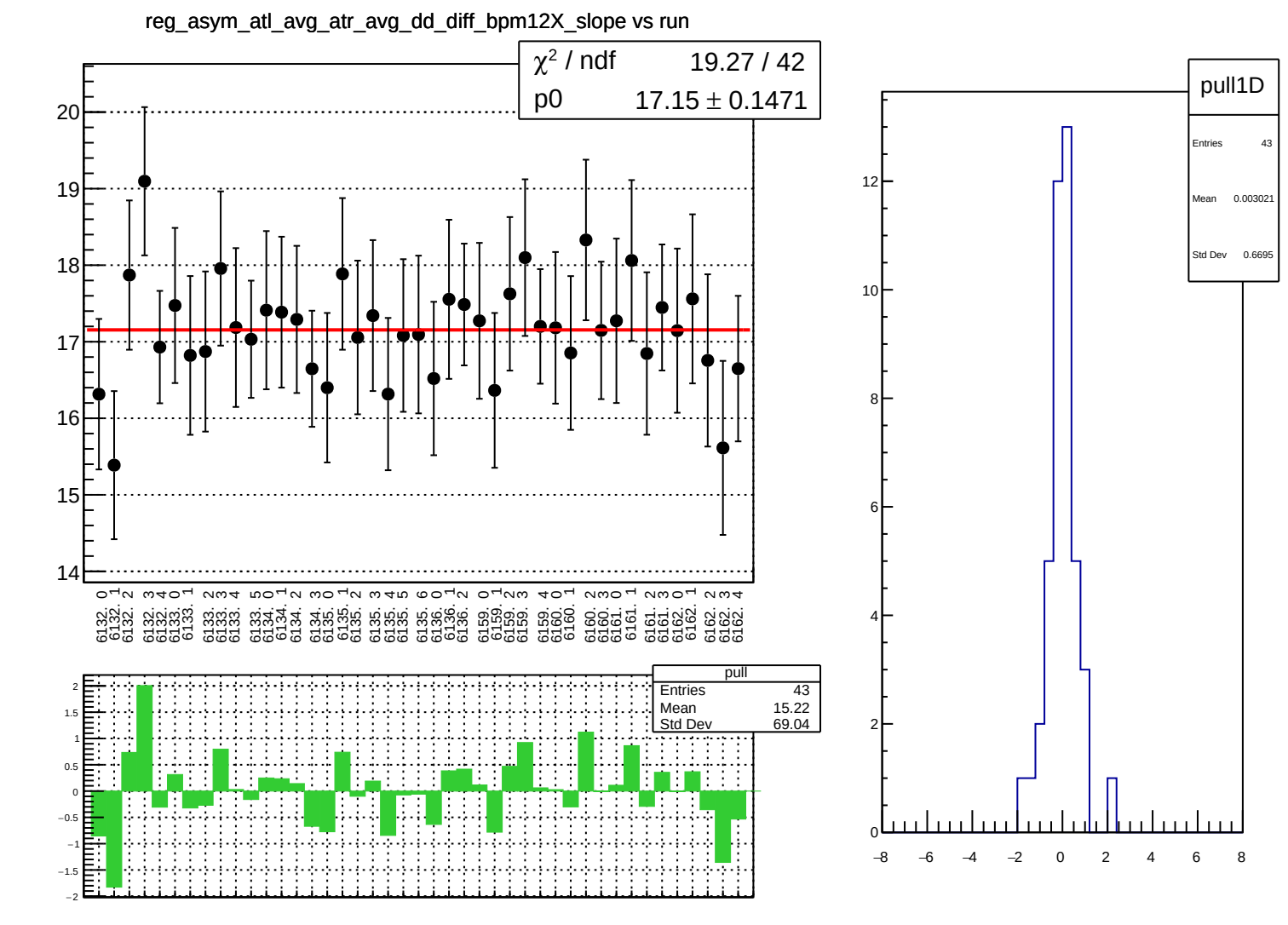

pull1D
Entries 43
Mean 0.03066
Std Dev 0.9998

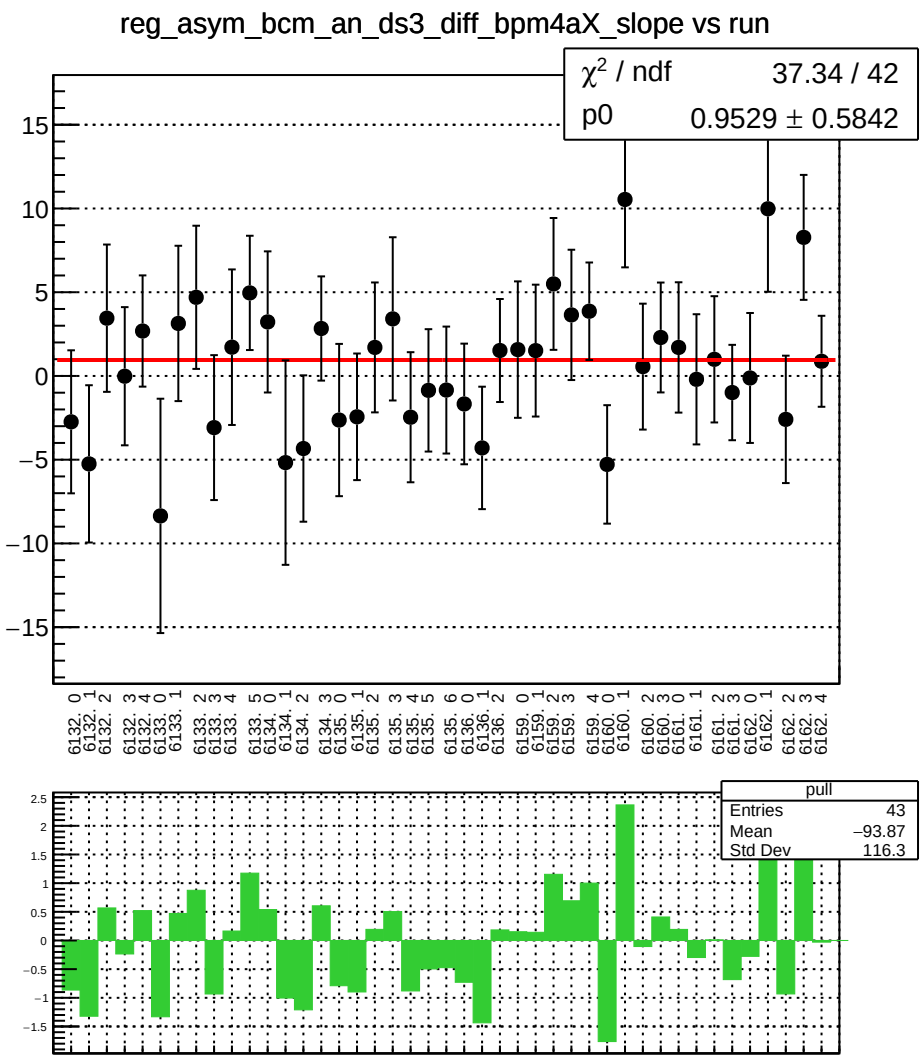

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 29.75 / 42
p0 −81.11 ± 3.315
−20
−40
−60
−80
−100
−120
−140
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 347.9
Std Dev 327.1
1.5
1
0.5
0
−0.5
−1
−1.5
−2

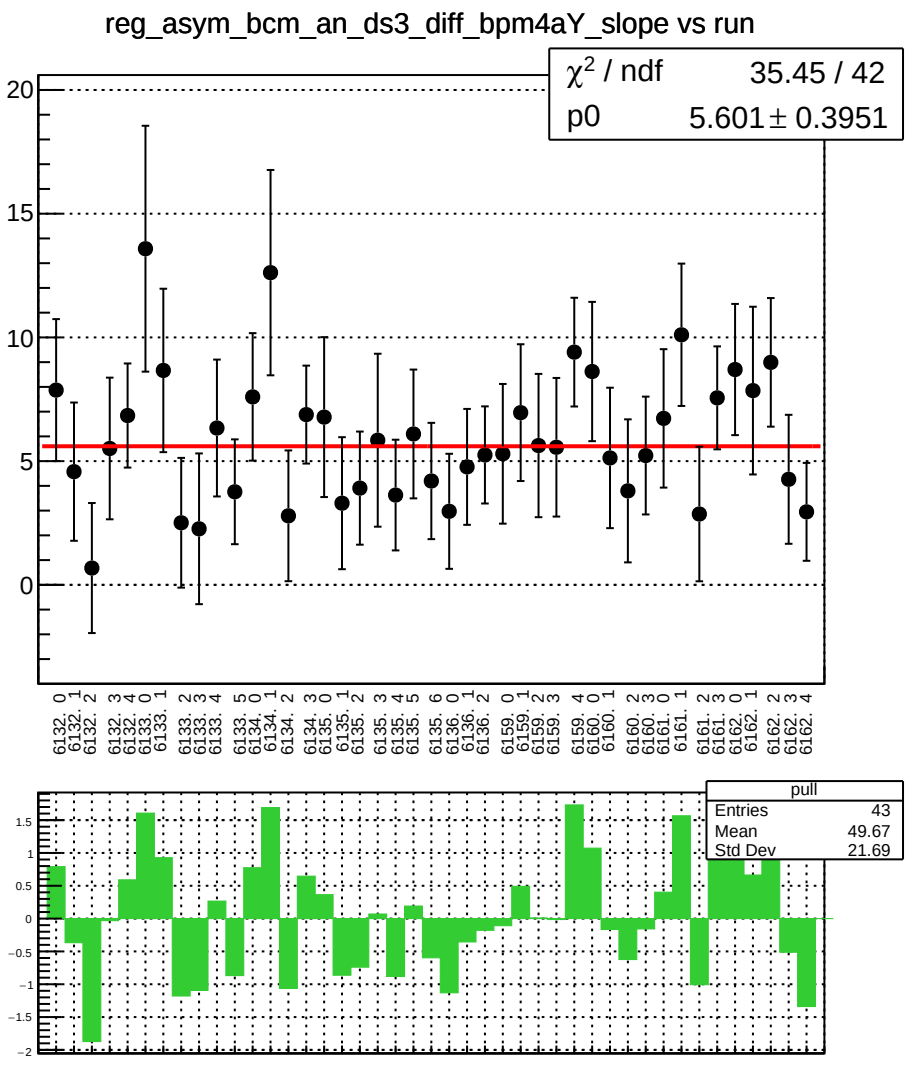

pull1D
Entries 43
Mean −0.01423
Std Dev 0.8316
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

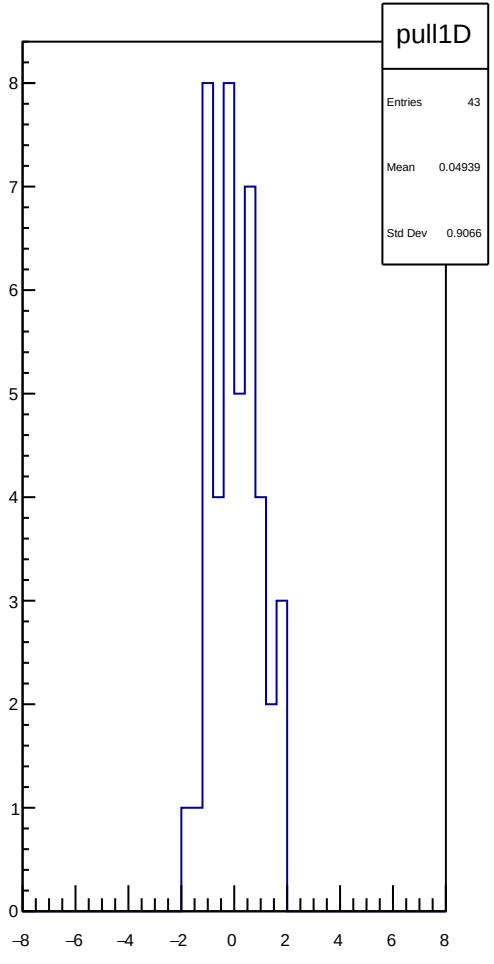

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 49.56 / 42
p0 −24.86 ± 2.034
pull
Entries 43
Mean 199.3
Std Dev 174.9

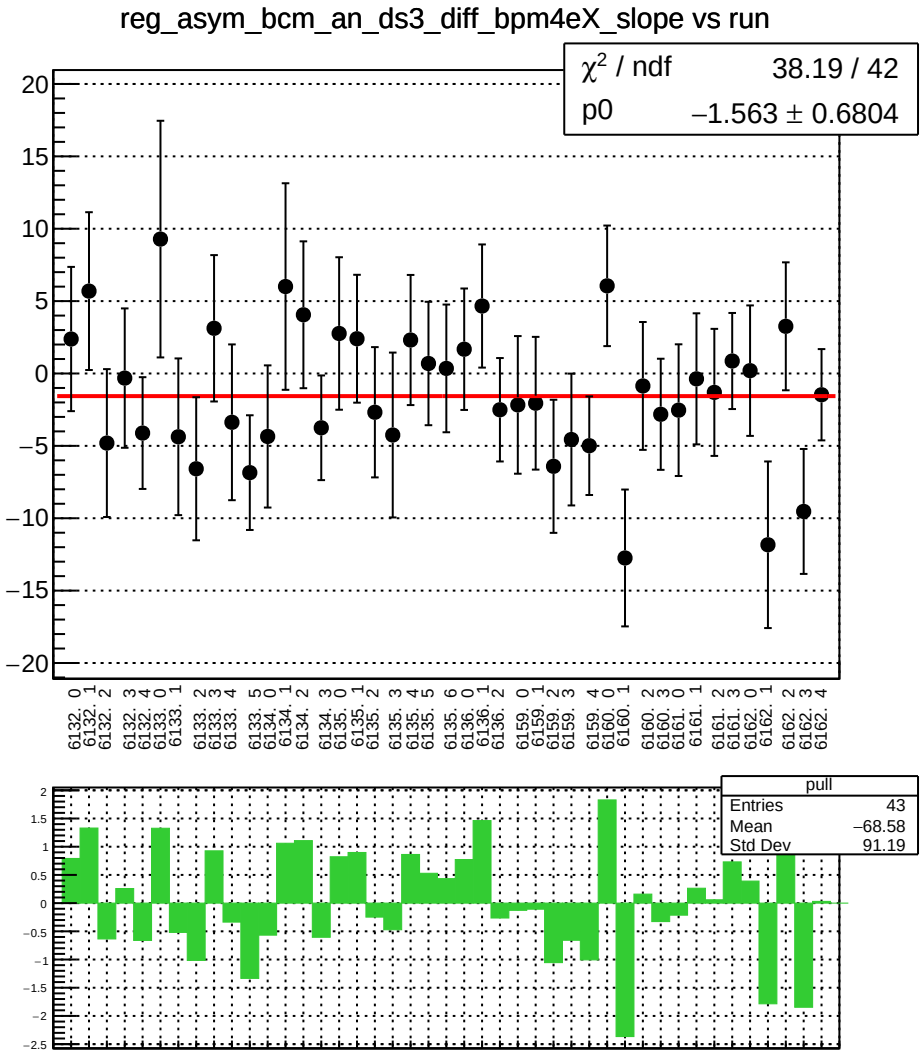

pull1D
Entries 43
Mean −0.04271
Std Dev 1.073

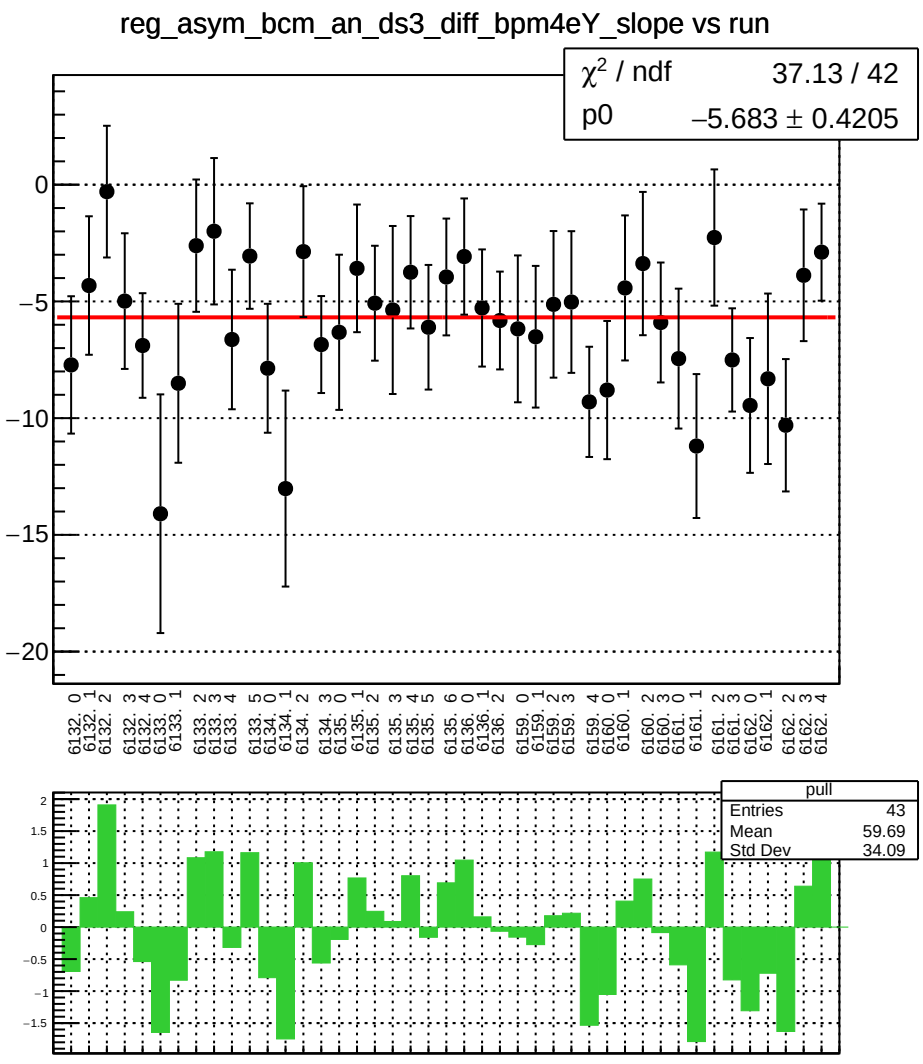

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 19.27 / 42
p0 17.15 ± 0.1471
pull
Entries 43
Mean 15.22
Std Dev 69.04
pull1D
Entries 43
Mean 0.003021
Std Dev 0.6695

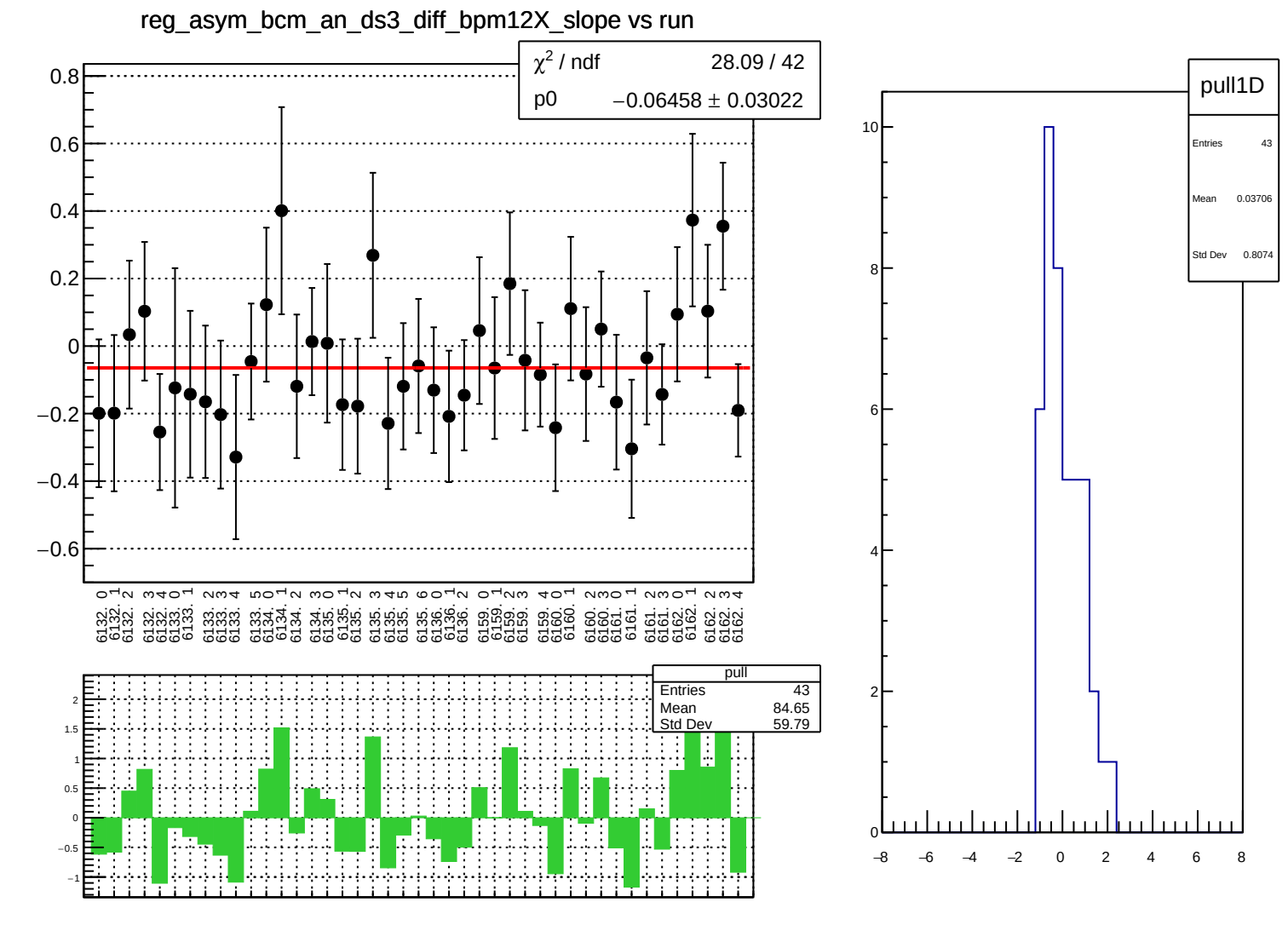

reg_asym_bcm_an_ds3_diff_bpm4aX_slope vs run
χ² / ndf 37.34 / 42
p0 0.9529 ± 0.5842
15
10
5
0
−5
−10
−15
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean −93.87
Std Dev 116.3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.02275
Std Dev 0.9316
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

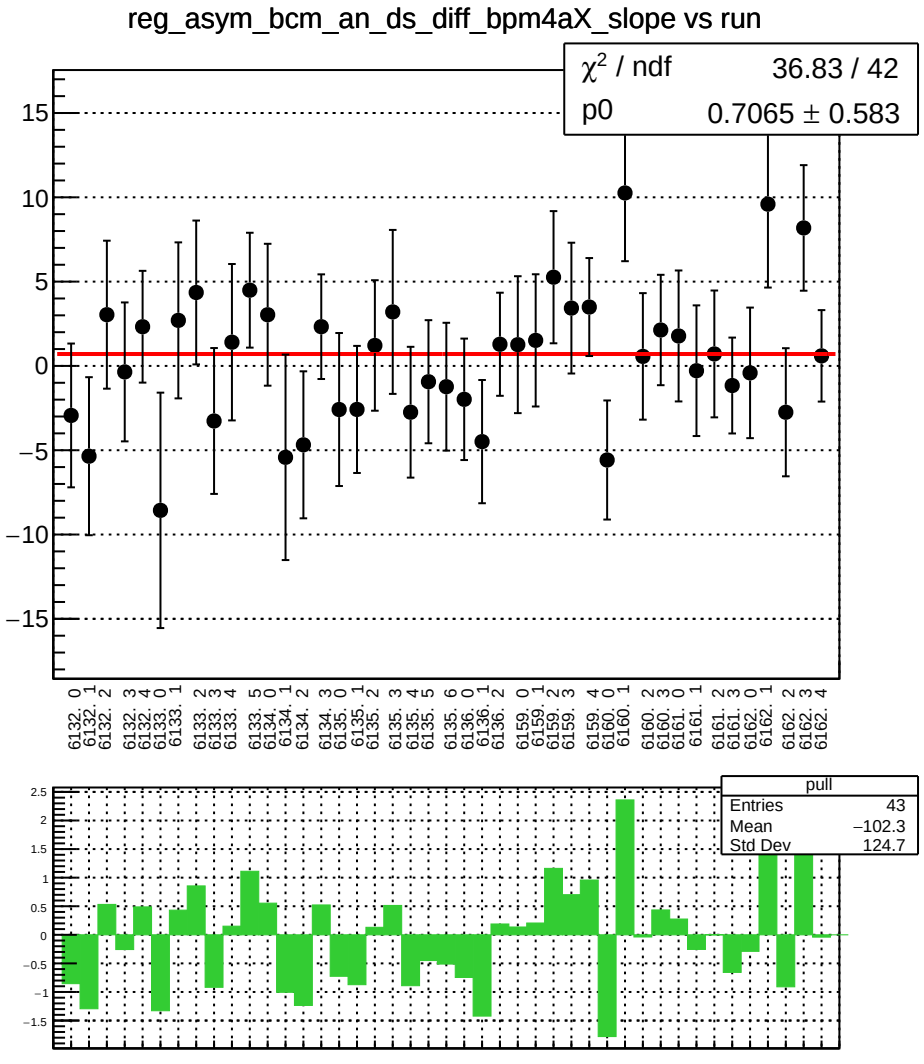

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 35.45 / 42
p0 5.601 ± 0.3951
pull
Entries 43
Mean 49.67
Std Dev 21.69

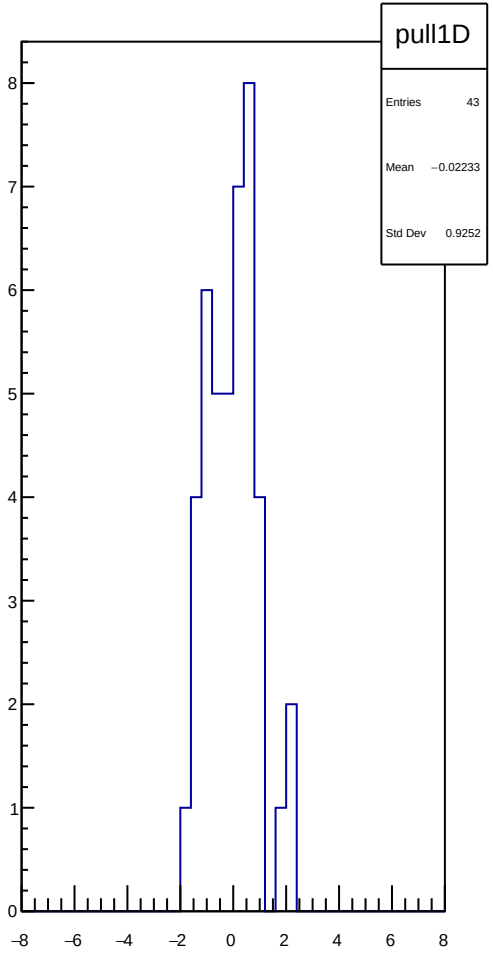

pull1D
Entries 43
Mean 0.04939
Std Dev 0.9066

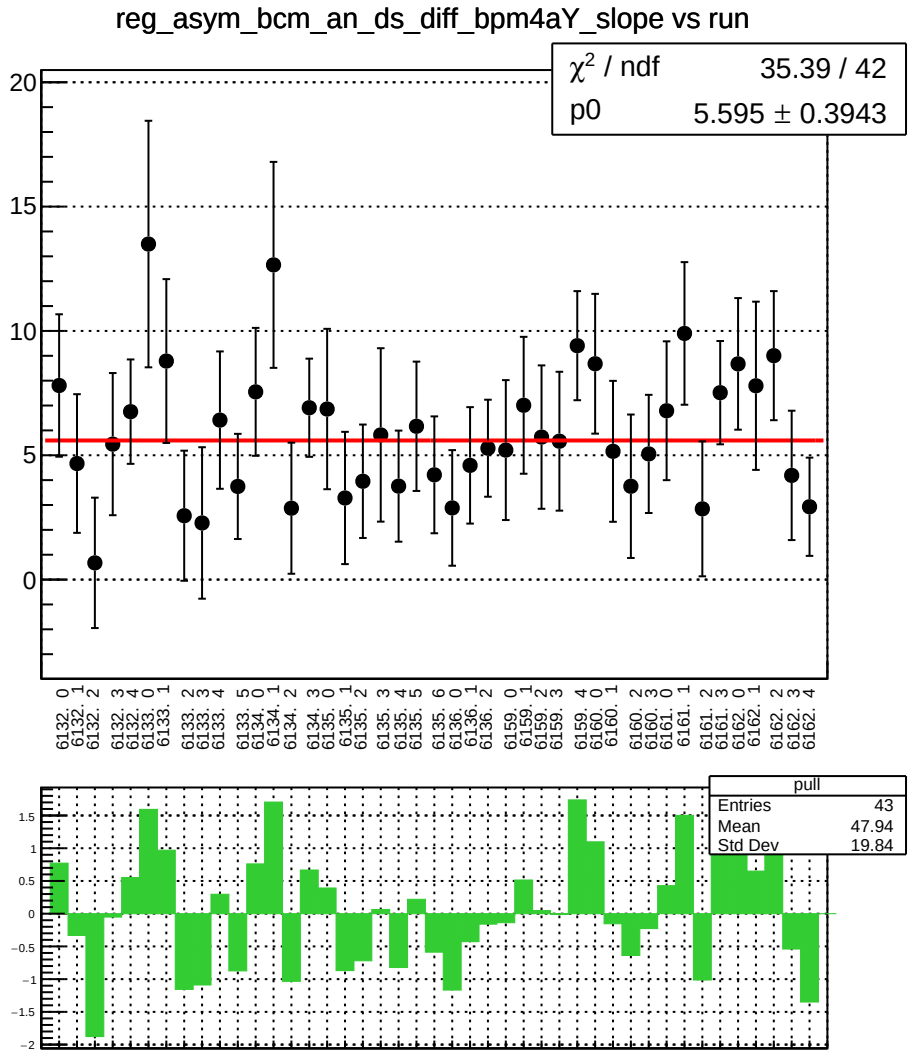

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 38.19 / 42
p0 −1.563 ± 0.6804
pull
Entries 43
Mean −68.58
Std Dev 91.19
pull1D
Entries 43
Mean 0.02296
Std Dev 0.9421

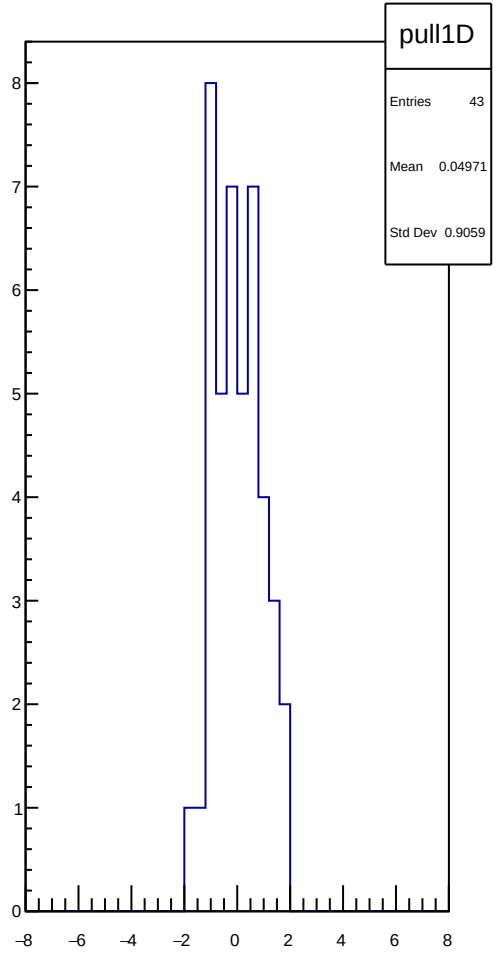

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 37.13 / 42
p0 −5.683 ± 0.4205
0
−5
−10
−15
−20
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 59.69
Std Dev 34.09
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.04555
Std Dev 0.9281
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

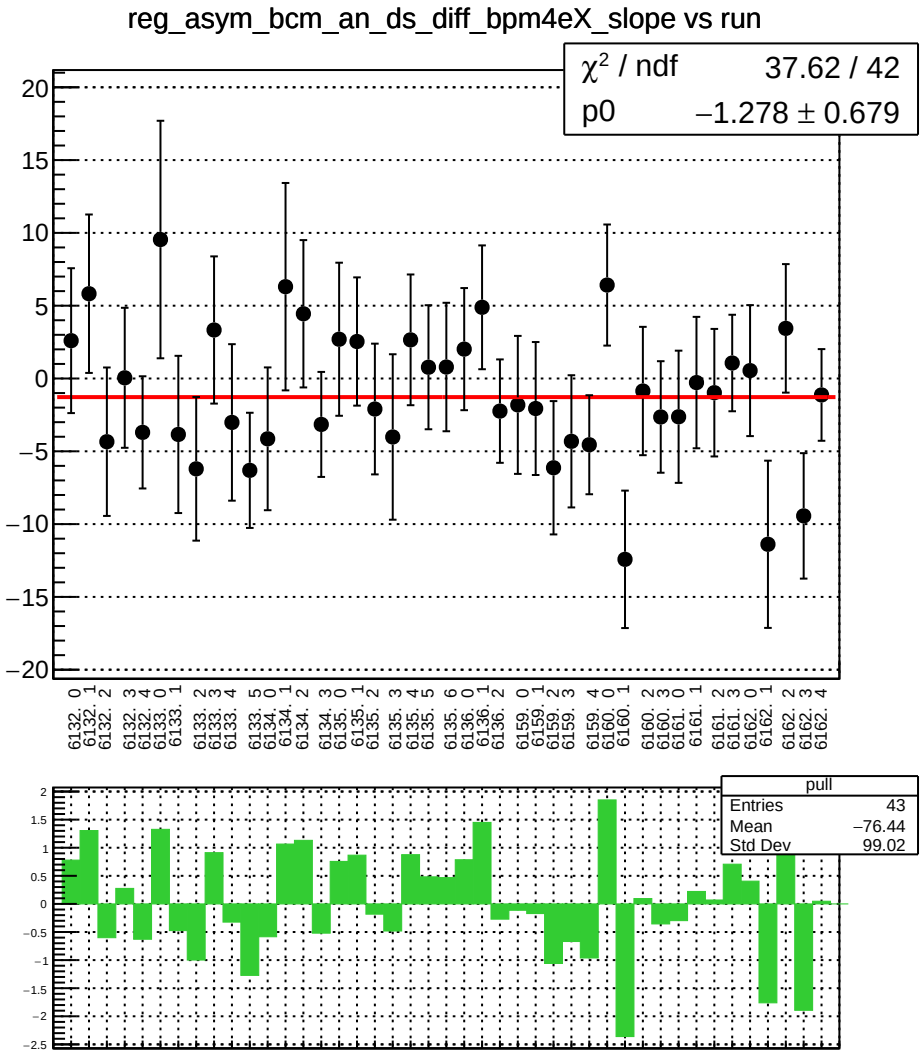

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 28.09 / 42
p0 −0.06458 ± 0.03022
pull
Entries 43
Mean 84.65
Std Dev 59.79
pull1D
Entries 43
Mean 0.03706
Std Dev 0.8074

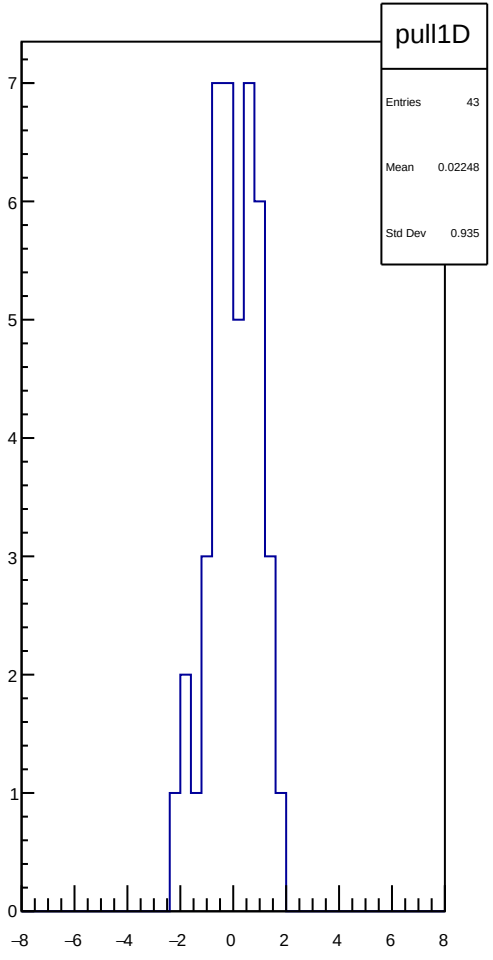

reg_asym_bcm_an_ds_diff_bpm4aX_slope vs run
χ² / ndf 36.83 / 42
p0 0.7065 ± 0.583
pull
Entries 43
Mean −102.3
Std Dev 124.7

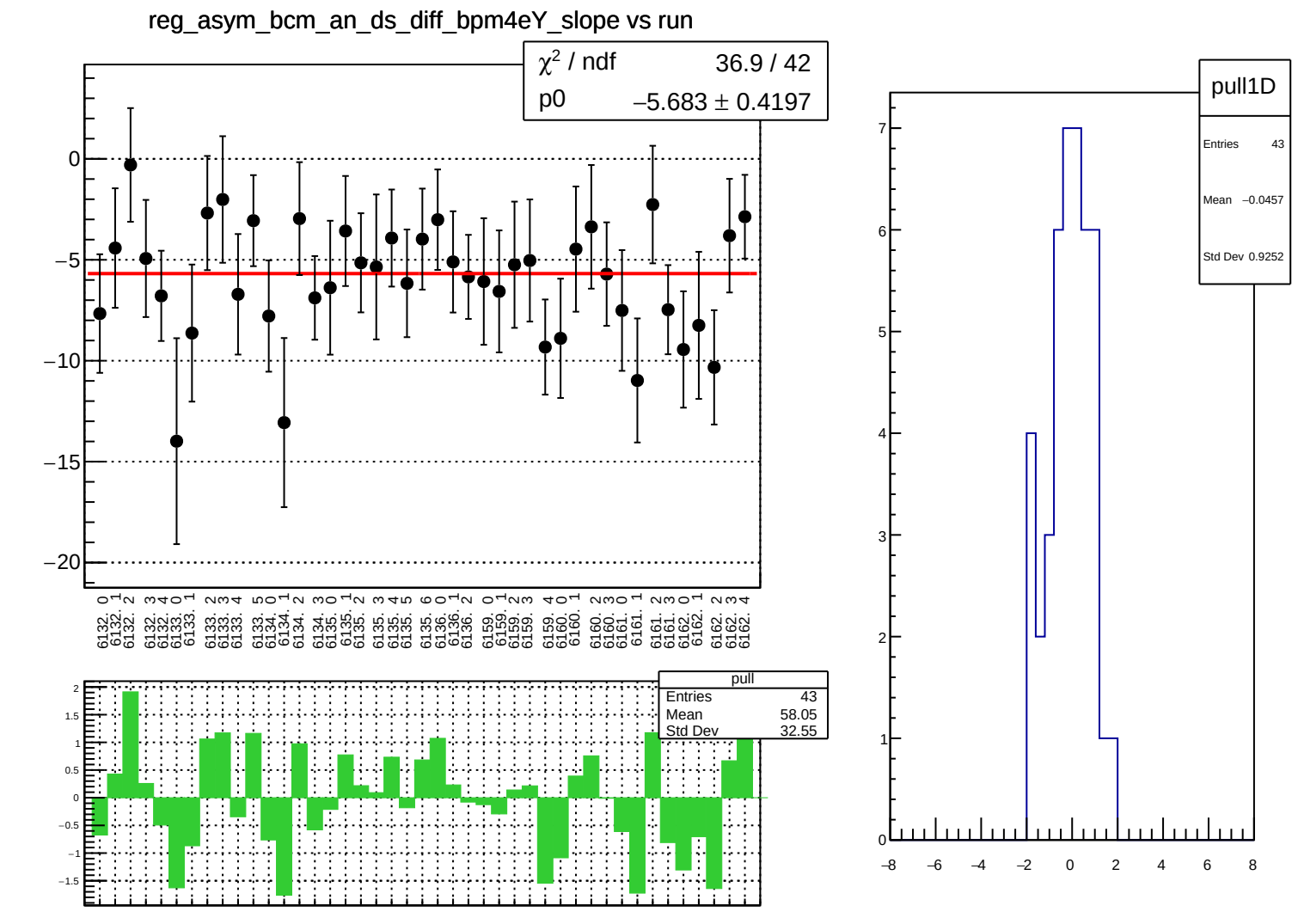

pull1D
Entries 43
Mean −0.02233
Std Dev 0.9252

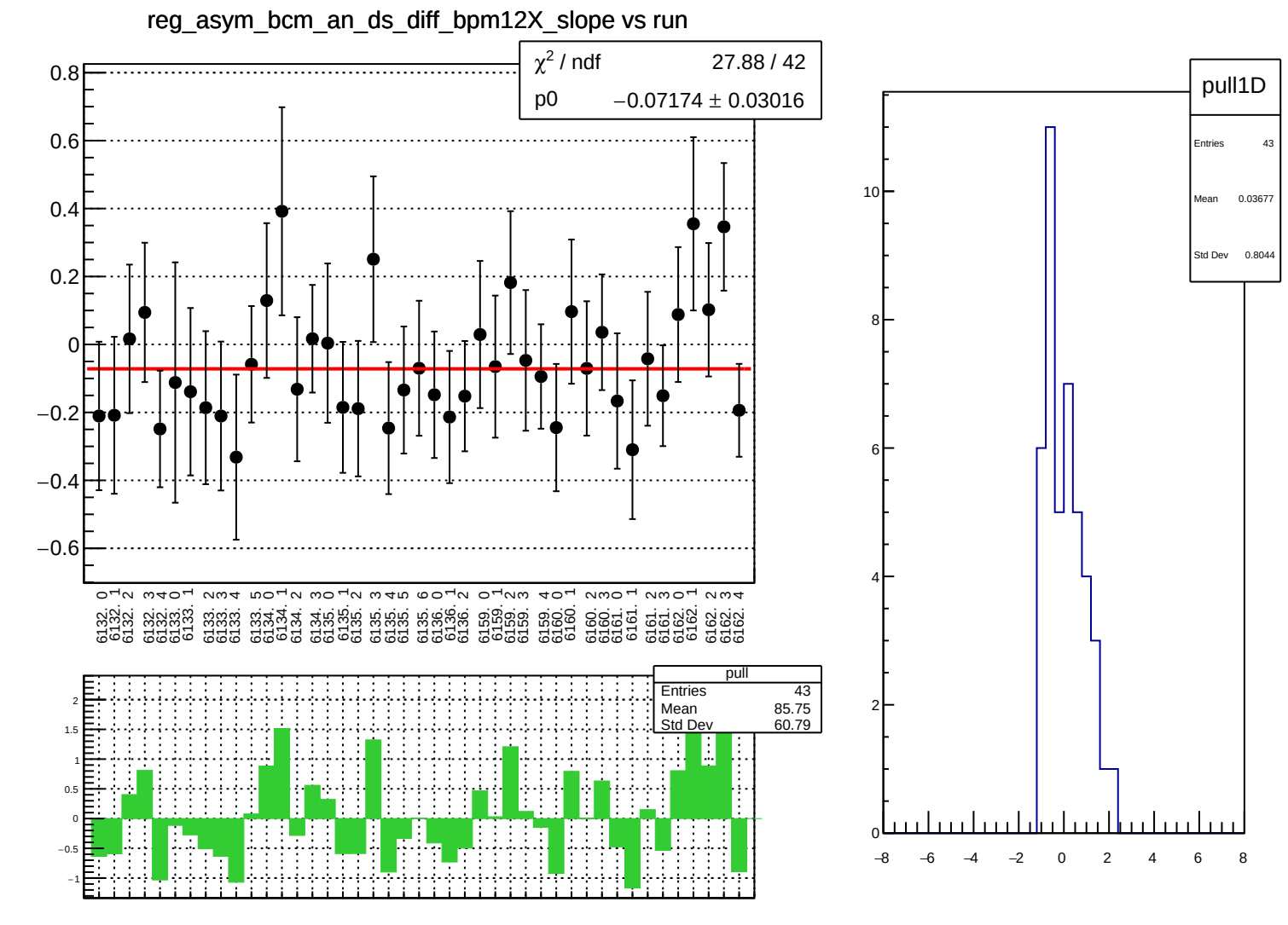

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 35.39 / 42
p0 5.595 ± 0.3943
pull
Entries 43
Mean 47.94
Std Dev 19.84

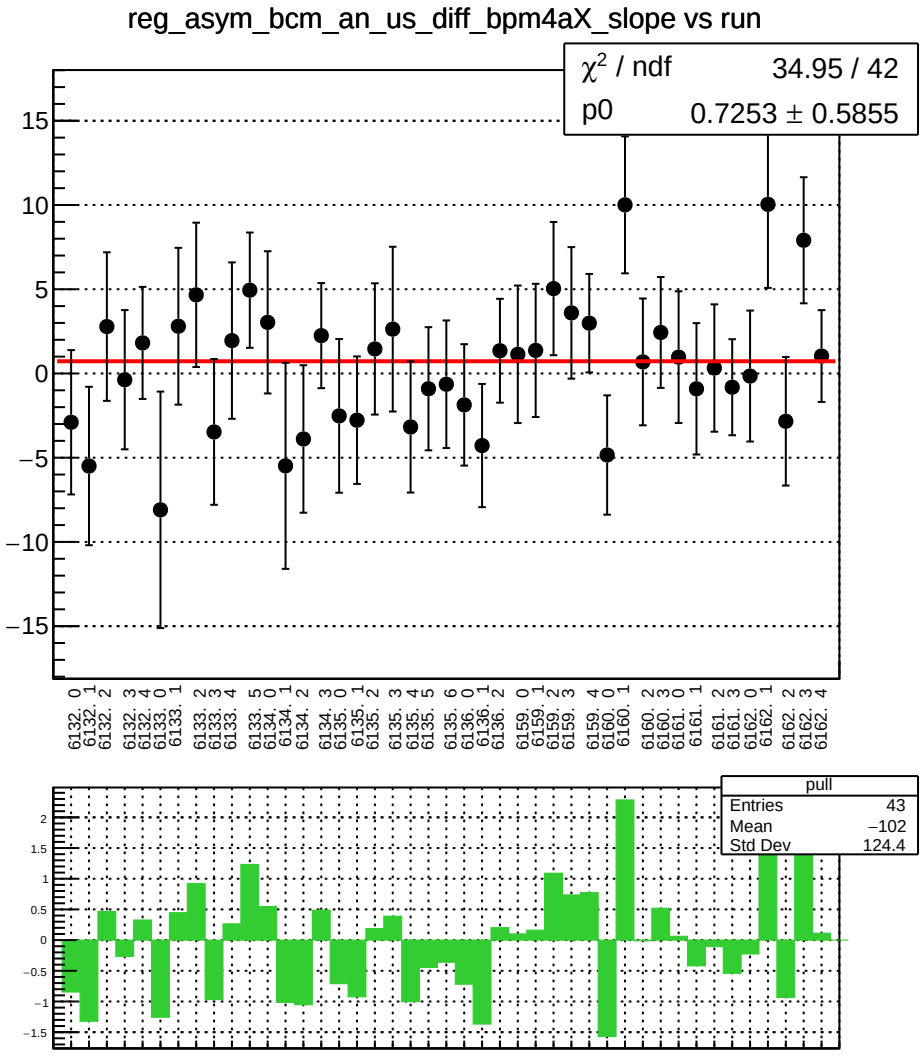

pull1D
Entries 43
Mean 0.04971
Std Dev 0.9059

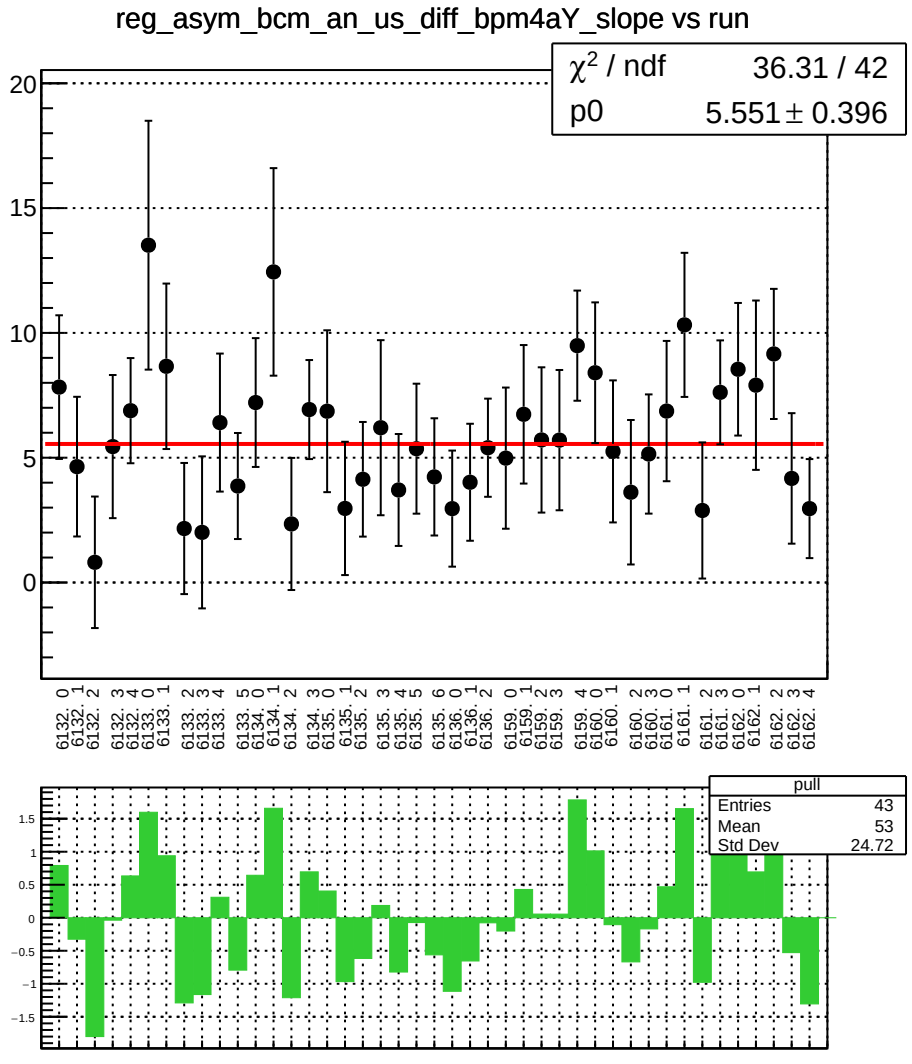

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 37.62 / 42
p0 −1.278 ± 0.679
pull
Entries 43
Mean −76.44
Std Dev 99.02

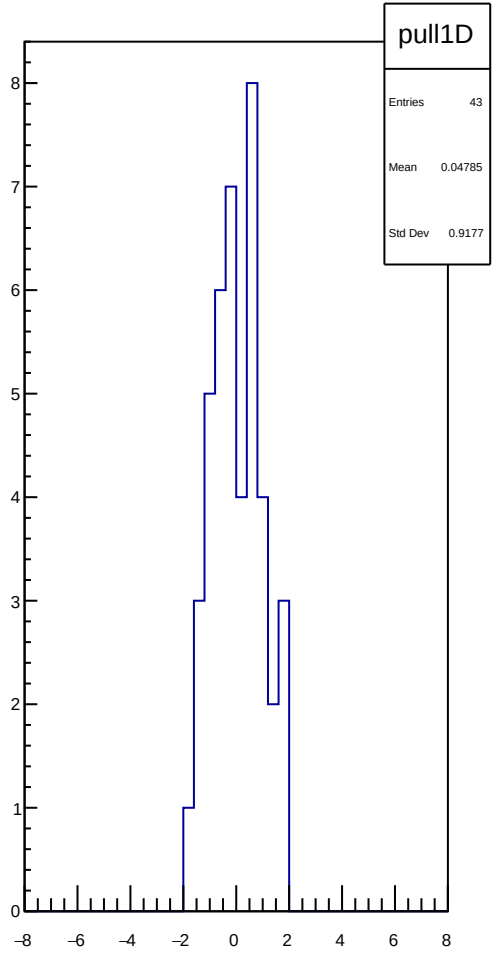

pull1D
Entries 43
Mean 0.02248
Std Dev 0.935

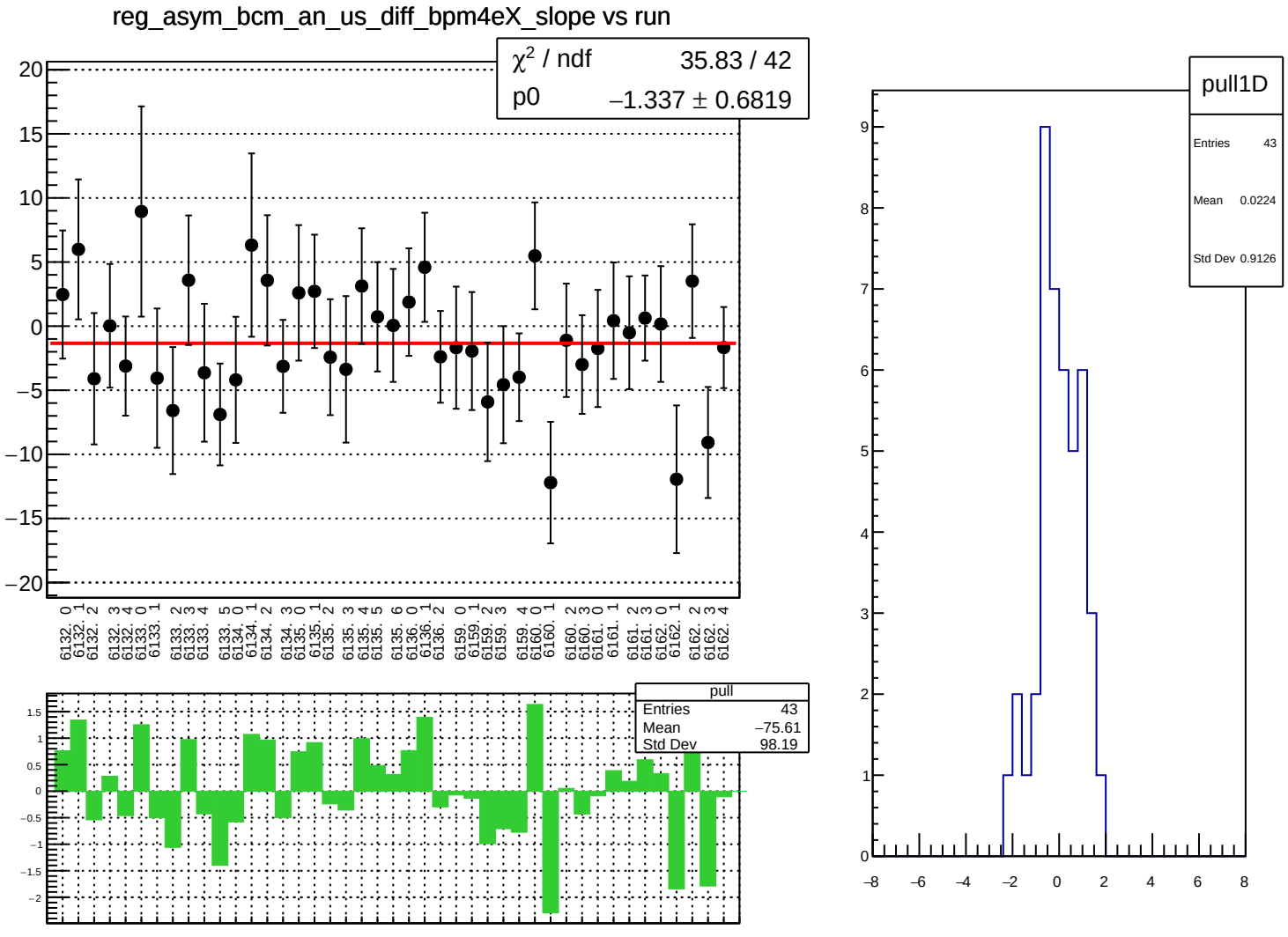

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 36.9 / 42
p0 −5.683 ± 0.4197
pull
Entries 43
Mean 58.05
Std Dev 32.55
pull1D
Entries 43
Mean −0.0457
Std Dev 0.9252

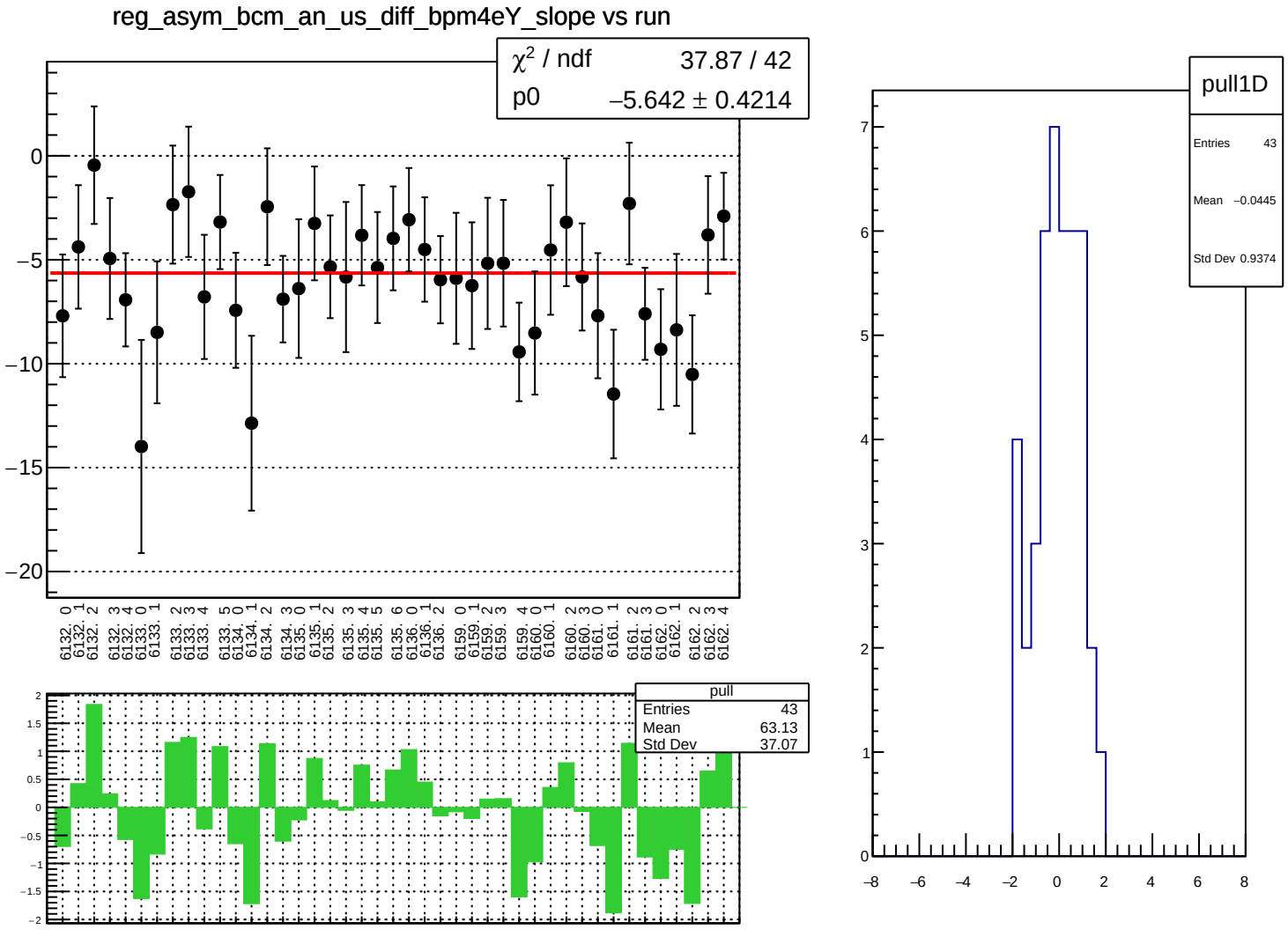

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 27.88 / 42
p0 −0.07174 ± 0.03016
pull
Entries 43
Mean 85.75
Std Dev 60.79
pull1D
Entries 43
Mean 0.03677
Std Dev 0.8044

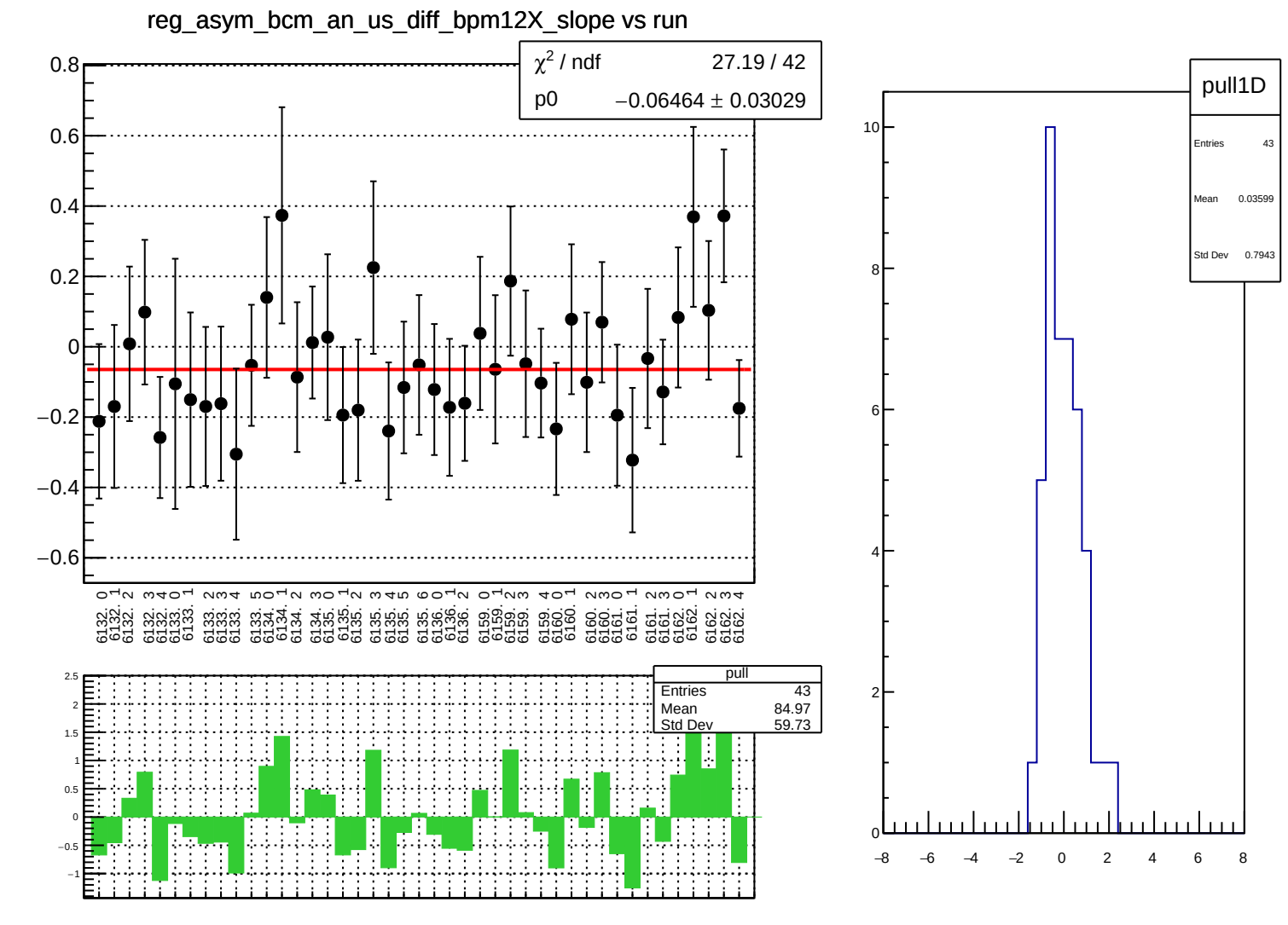

reg_asym_bcm_an_us_diff_bpm4aX_slope vs run
χ² / ndf 34.95 / 42
p0 0.7253 ± 0.5855
pull
Entries 43
Mean −102
Std Dev 124.4
pull1D
Entries 43
Mean −0.02218
Std Dev 0.9013

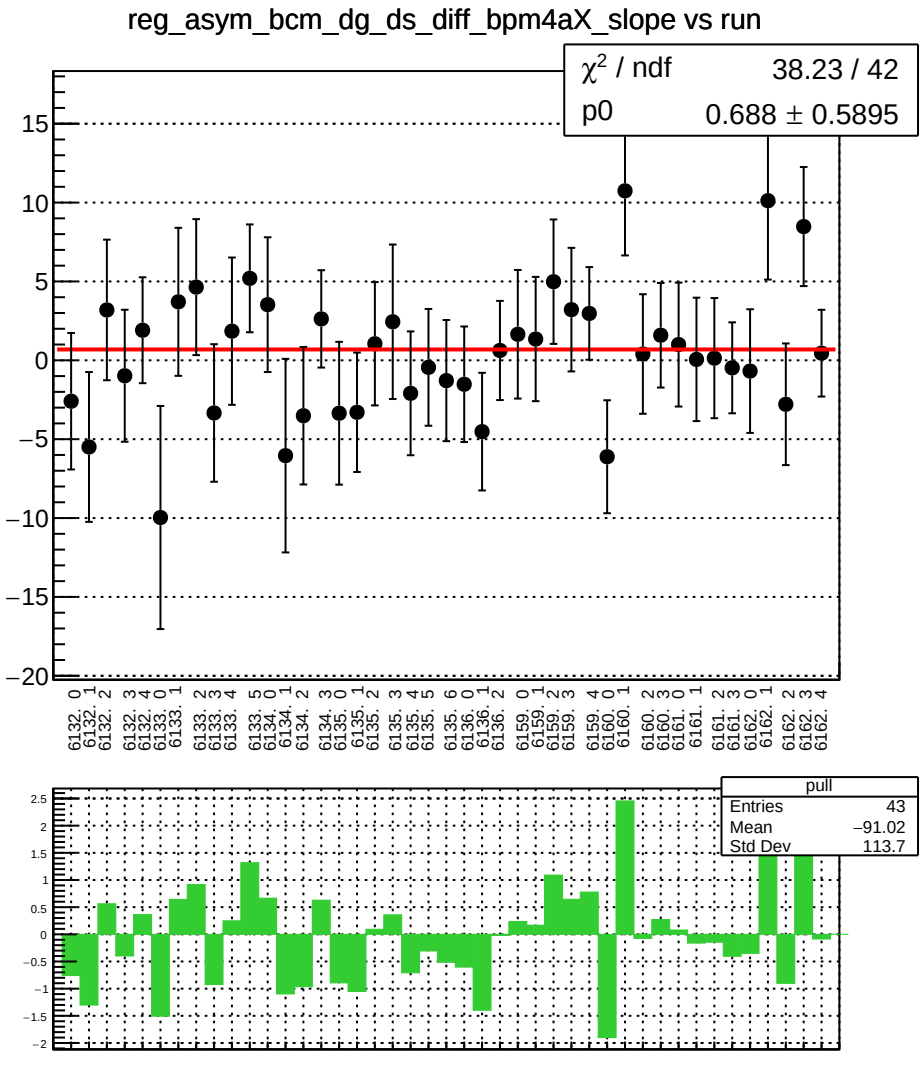

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 36.31 / 42
p0 5.551 ± 0.396
20
15
10
5
0
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 53
Std Dev 24.72
1.5
1
0.5
0
−0.5
−1
−1.5

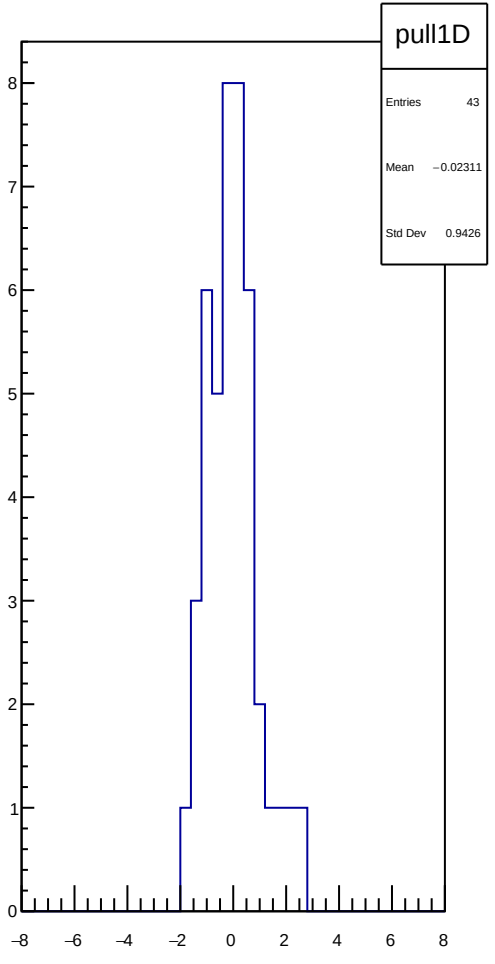

pull1D
Entries 43
Mean 0.04785
Std Dev 0.9177
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 35.83 / 42
p0 −1.337 ± 0.6819
pull
Entries 43
Mean −75.61
Std Dev 98.19
pull1D
Entries 43
Mean 0.0224
Std Dev 0.9126

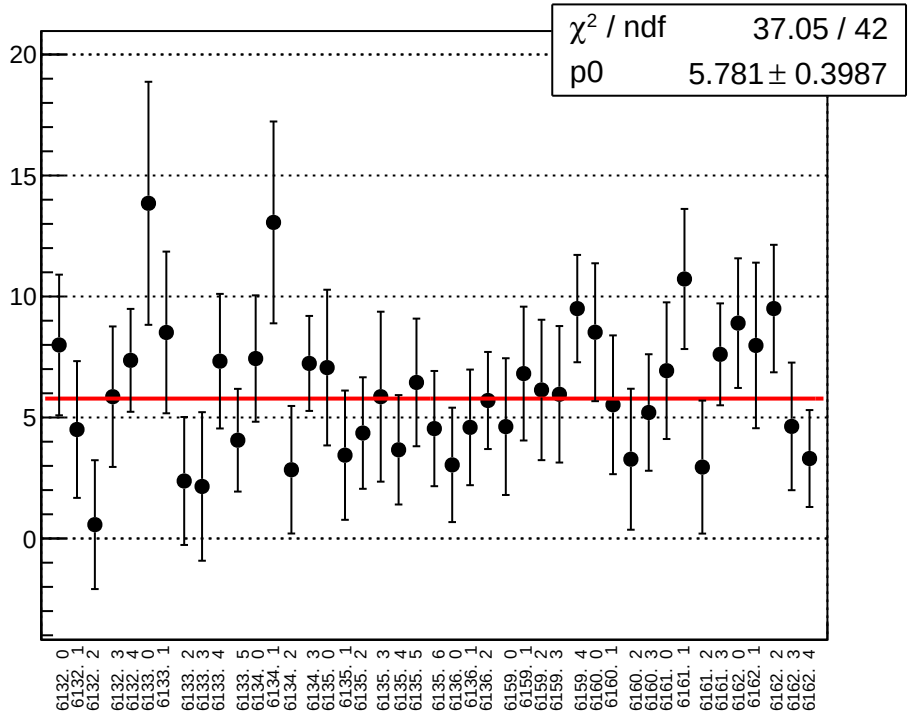

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 37.87 / 42
p0 −5.642 ± 0.4214
pull
Entries 43
Mean 63.13
Std Dev 37.07
pull1D
Entries 43
Mean −0.0445
Std Dev 0.9374

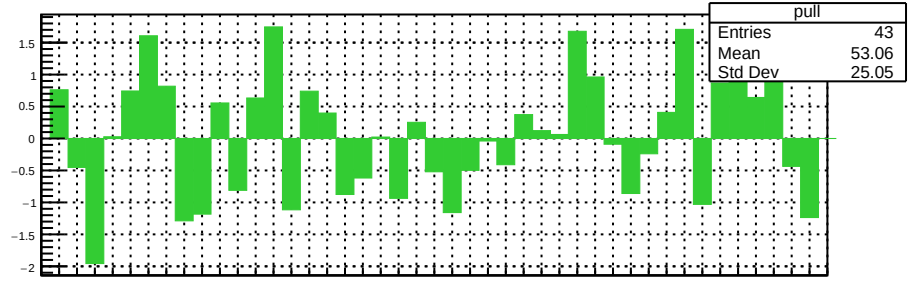

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 27.19 / 42
p0 −0.06464 ± 0.03029
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 84.97
Std Dev 59.73
2.5
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean 0.03599
Std Dev 0.7943
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

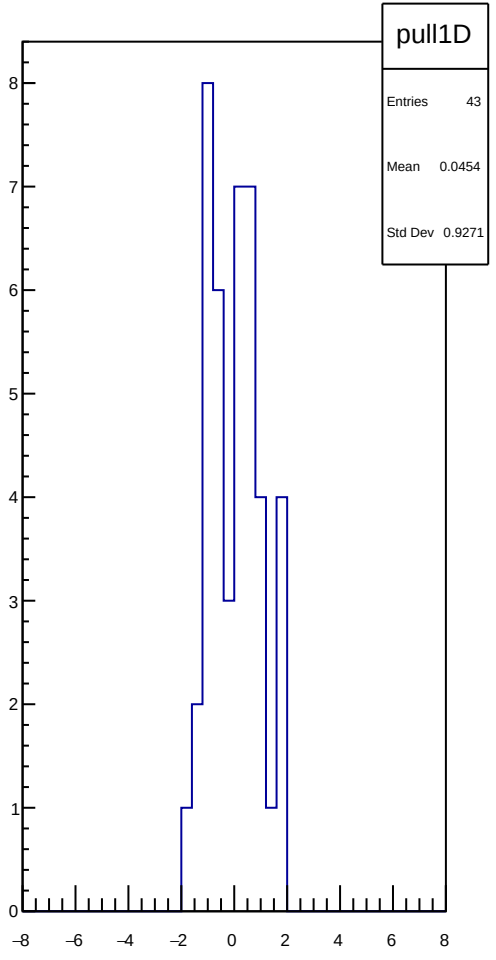

reg_asym_bcm_dg_ds_diff_bpm4aX_slope vs run
χ² / ndf 38.23 / 42
p0 0.688 ± 0.5895
pull
Entries 43
Mean −91.02
Std Dev 113.7

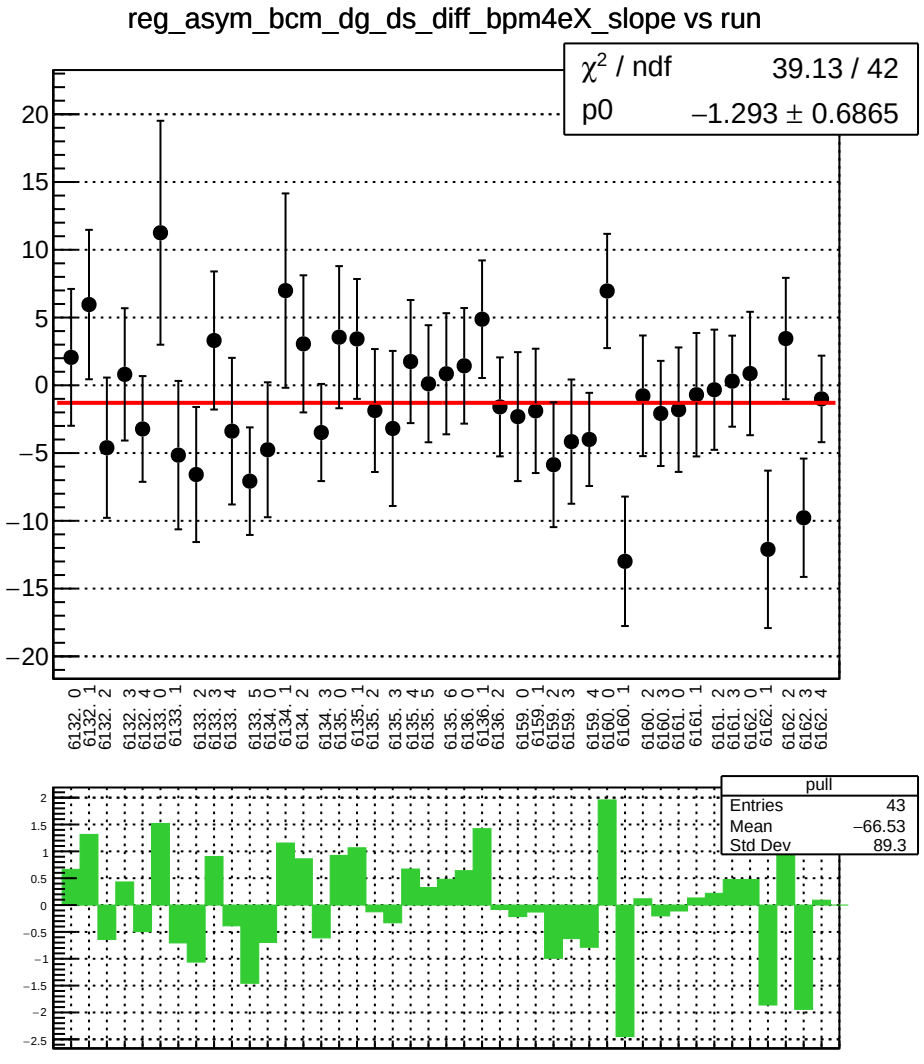

pull1D
Entries 43
Mean −0.02311
Std Dev 0.9426

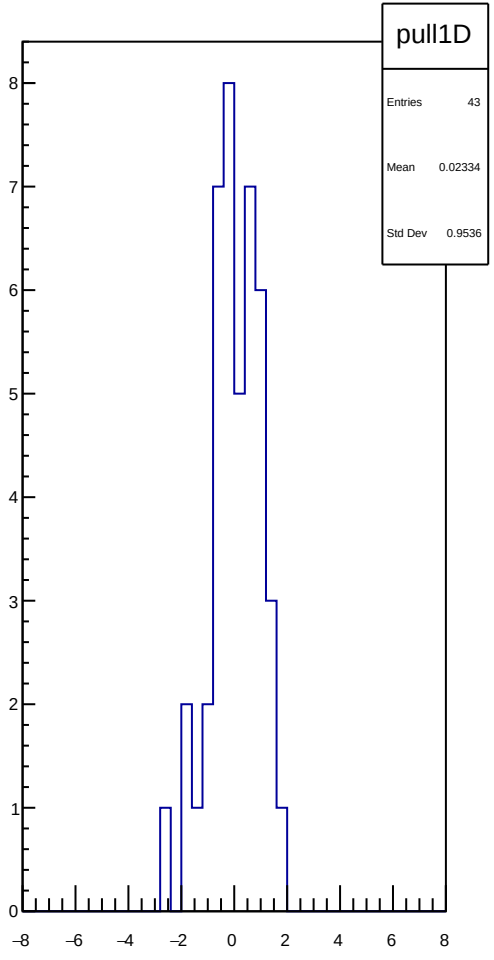
reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run

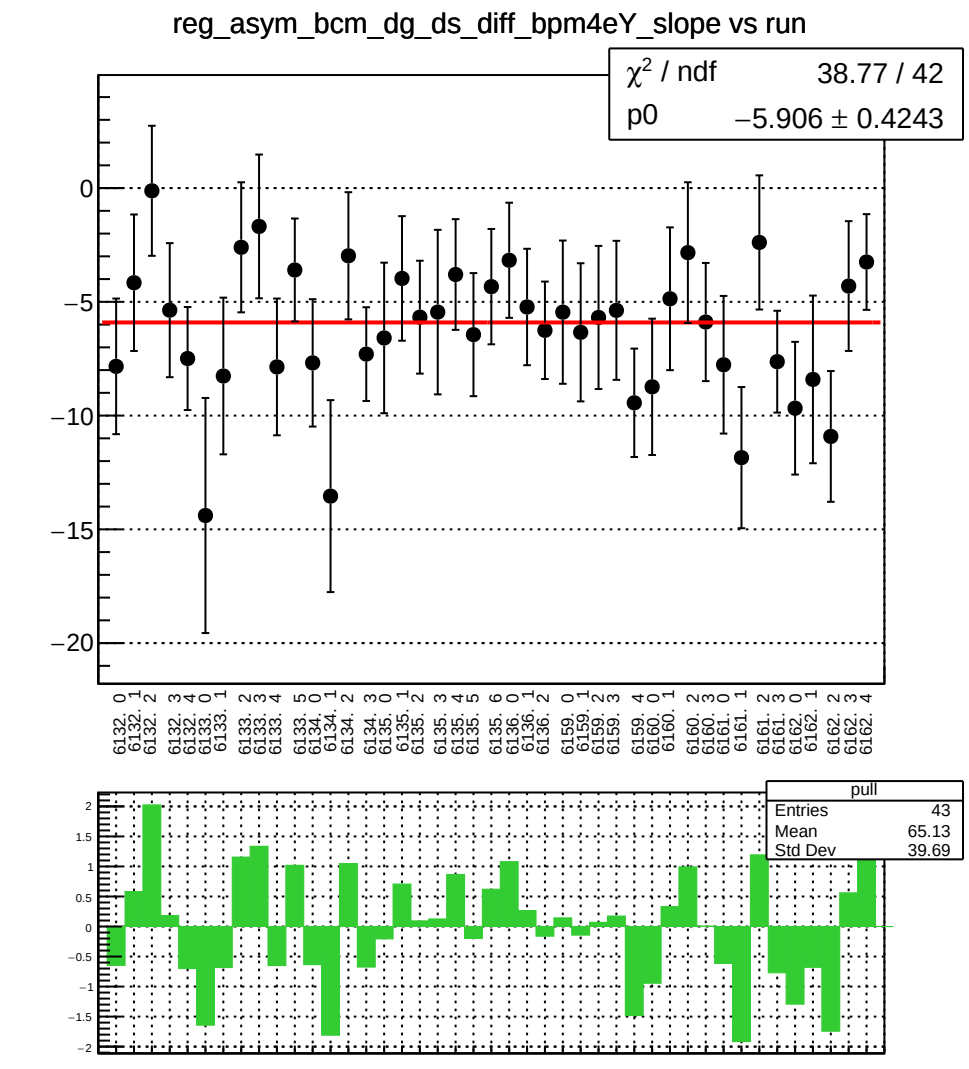


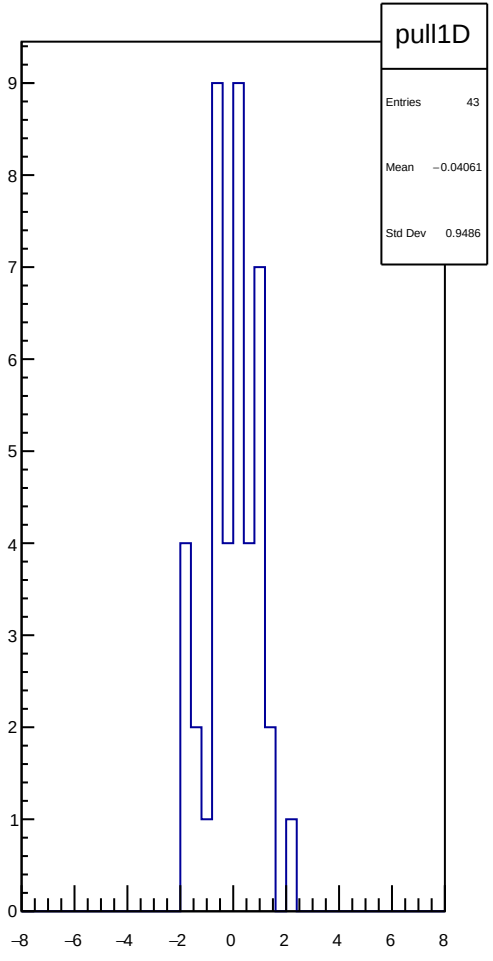


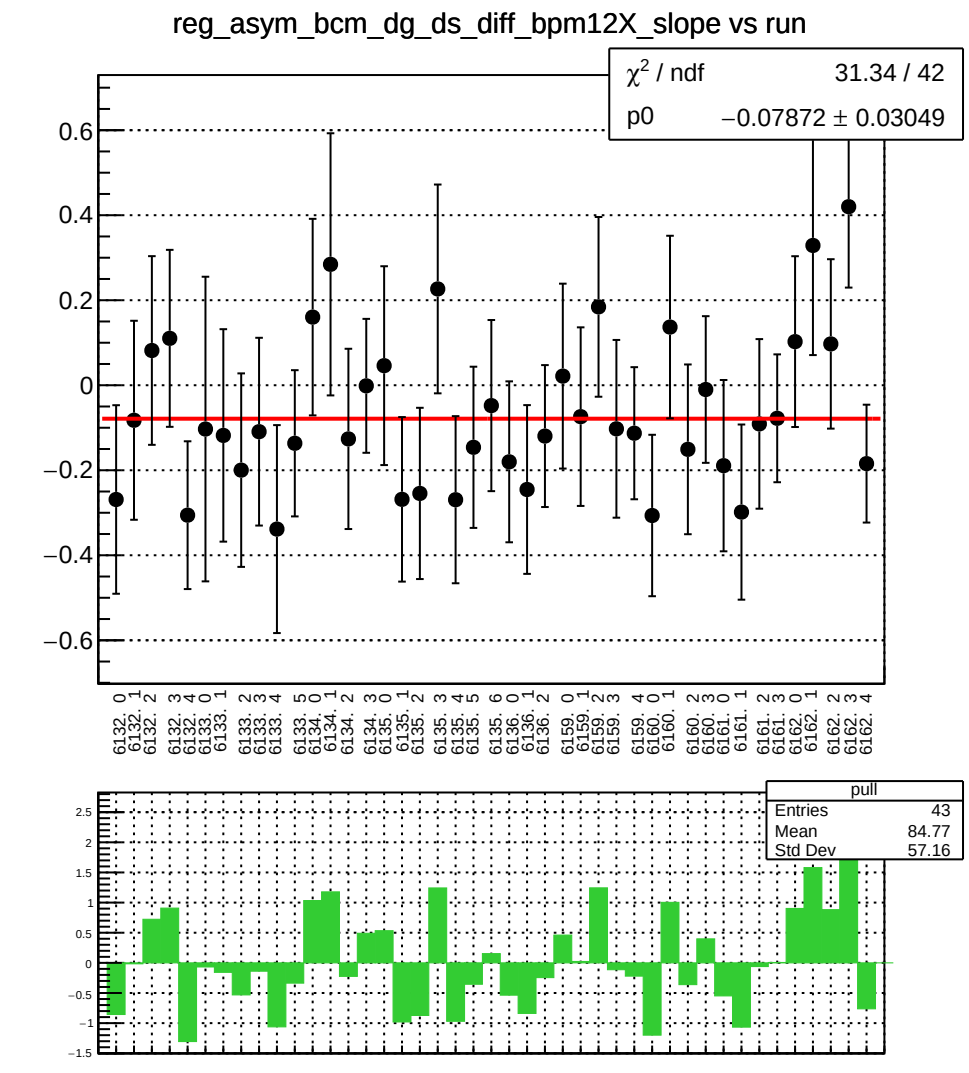


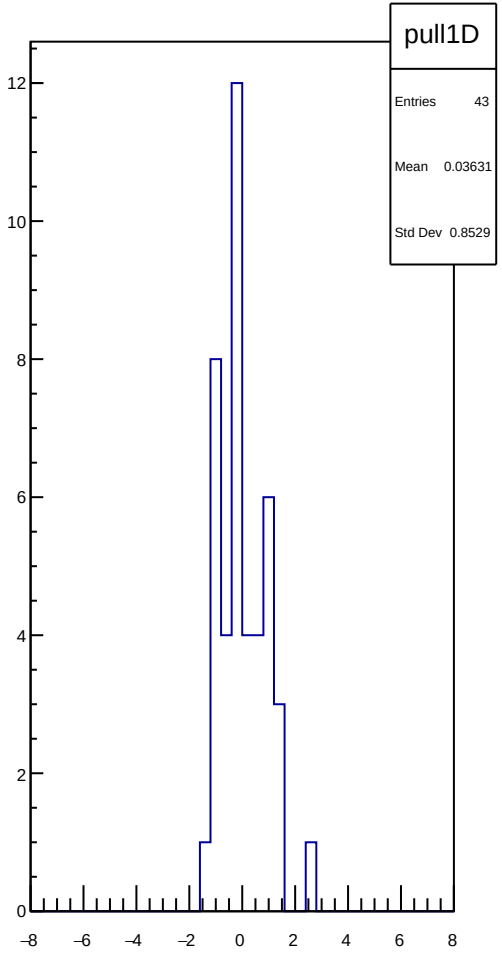

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 39.13 / 42
p0 −1.293 ± 0.6865
pull
Entries 43
Mean −66.53
Std Dev 89.3

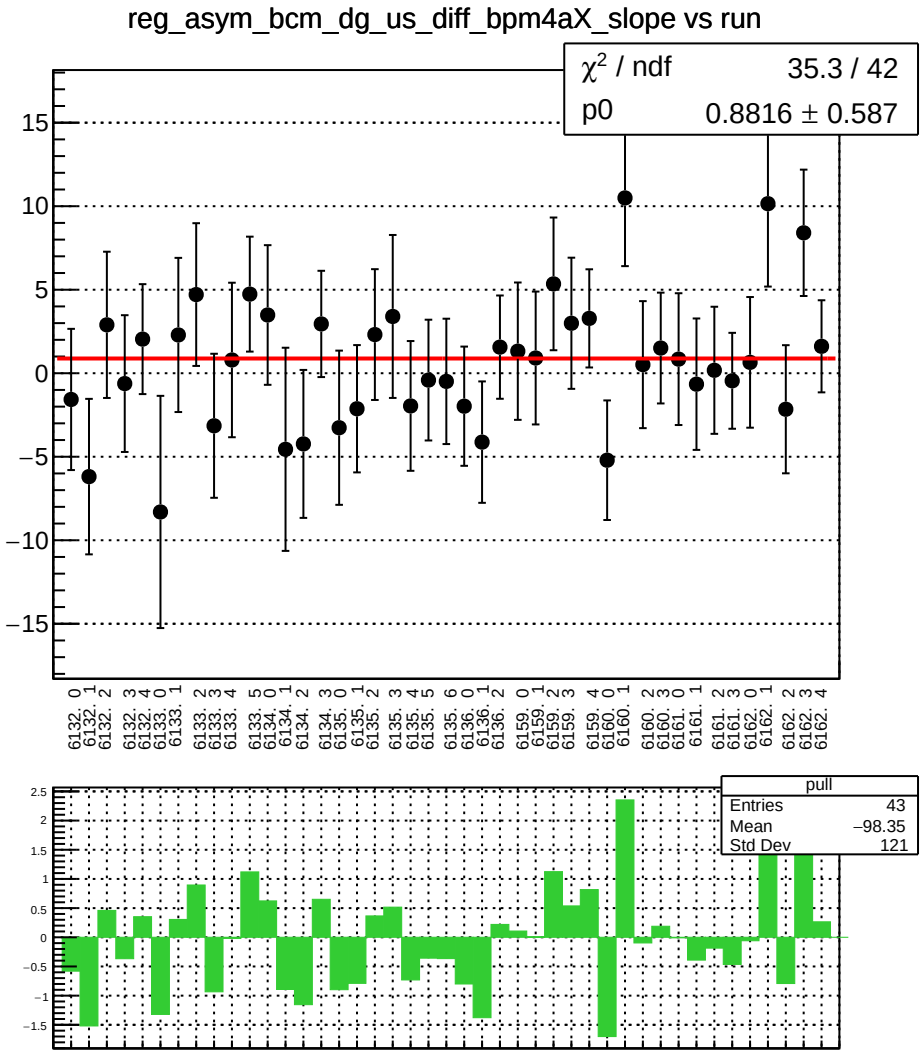

pull1D
Entries 43
Mean 0.02334
Std Dev 0.9536

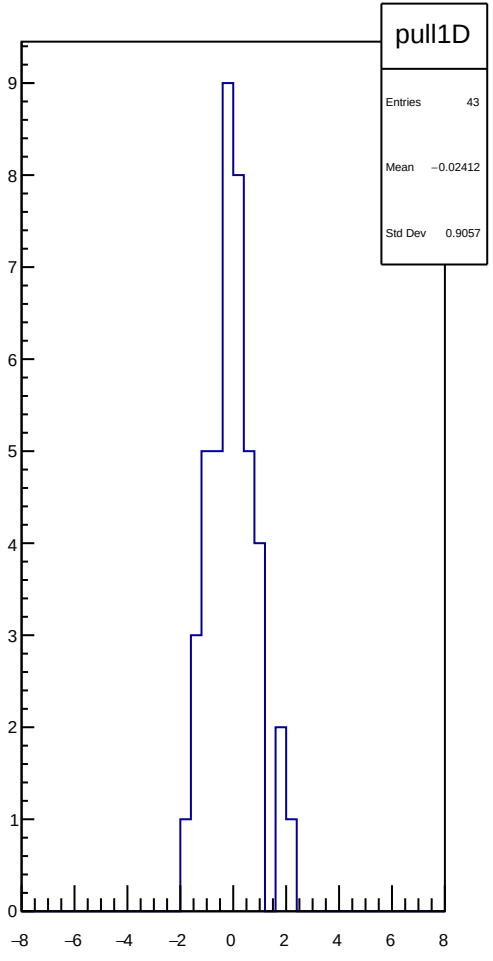

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 38.77 / 42
p0 −5.906 ± 0.4243
pull
Entries 43
Mean 65.13
Std Dev 39.69

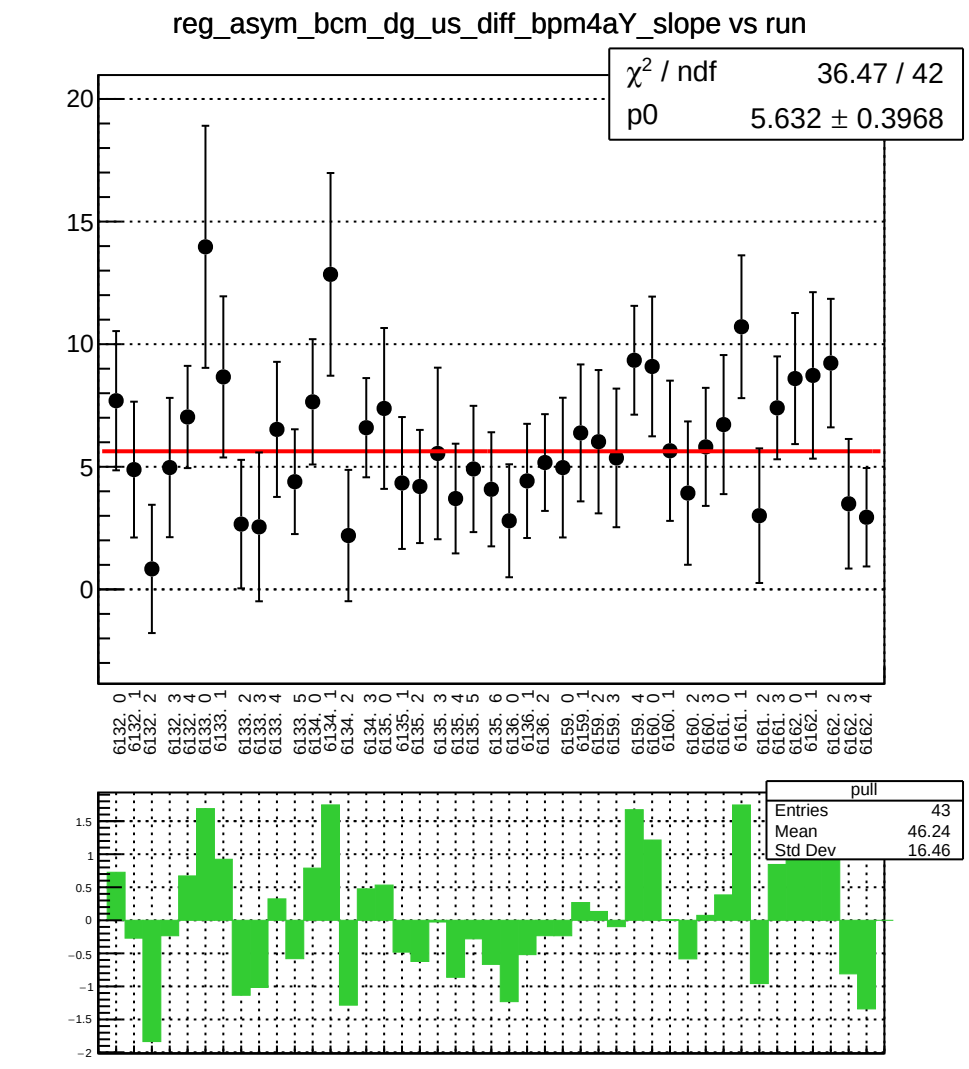

pull1D
Entries 43
Mean −0.04061
Std Dev 0.9486

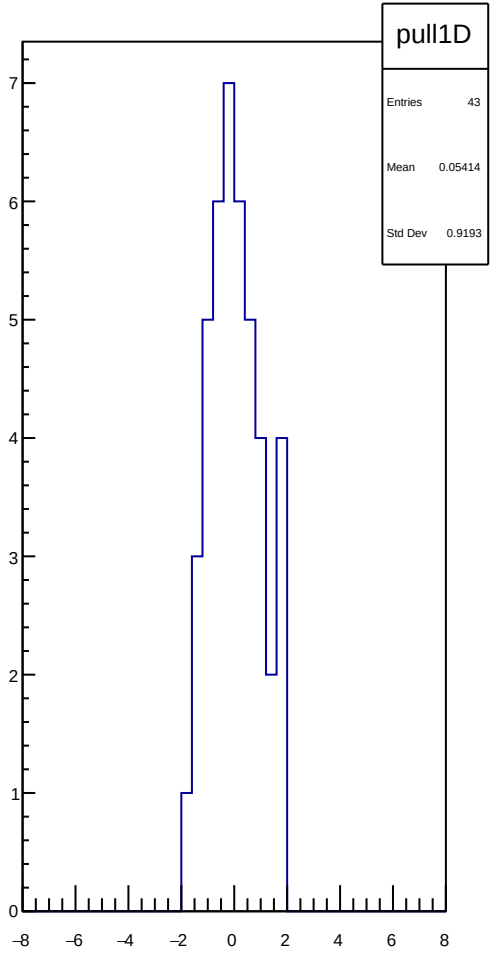

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 31.34 / 42
p0 −0.07872 ± 0.03049
pull
Entries 43
Mean 84.77
Std Dev 57.16

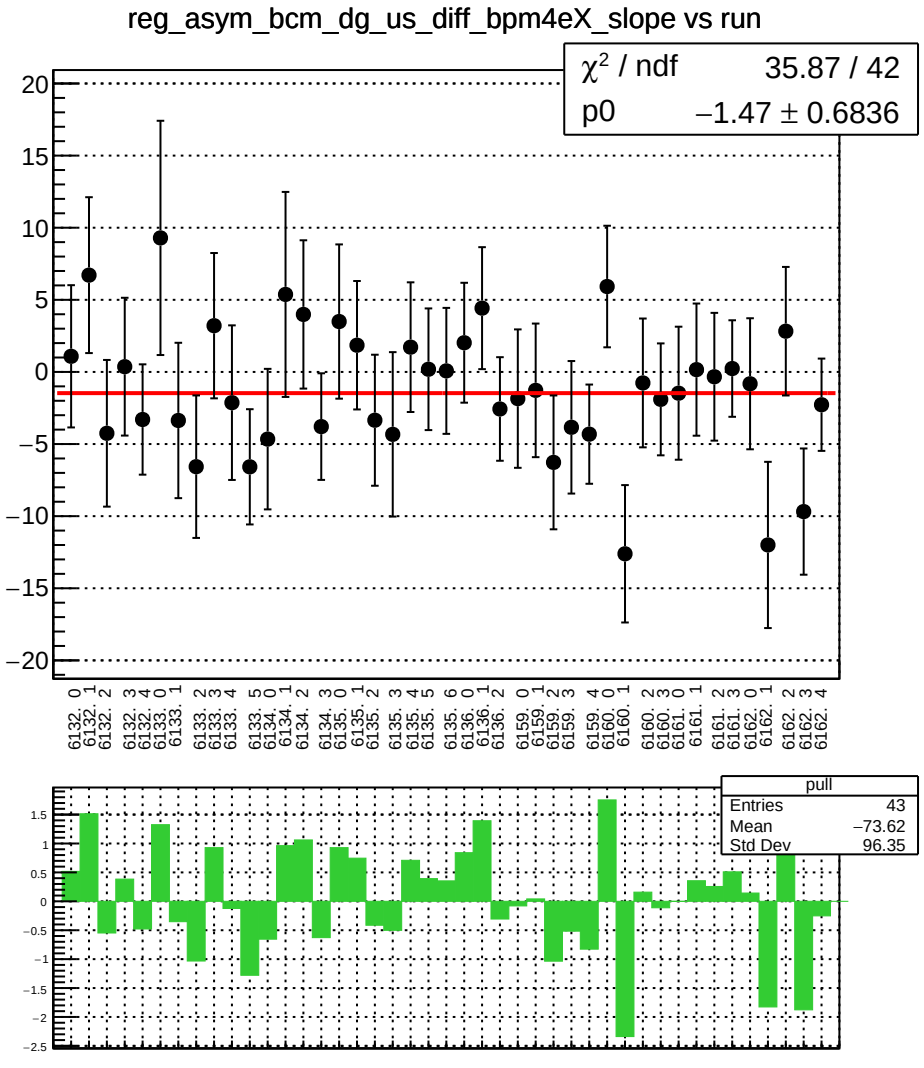

pull1D
Entries 43
Mean 0.03631
Std Dev 0.8529

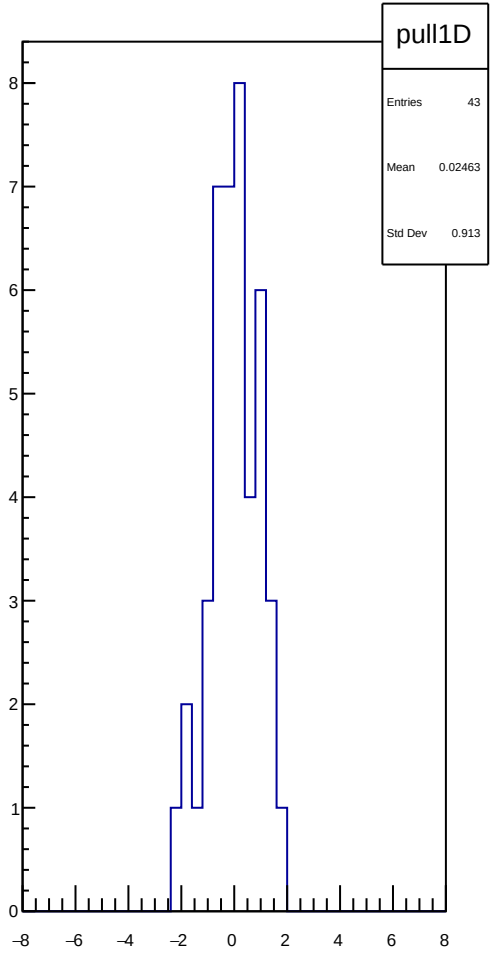

reg_asym_bcm_dg_us_diff_bpm4aX_slope vs run
χ² / ndf 35.3 / 42
p0 0.8816 ± 0.587
pull
Entries 43
Mean −98.35
Std Dev 121

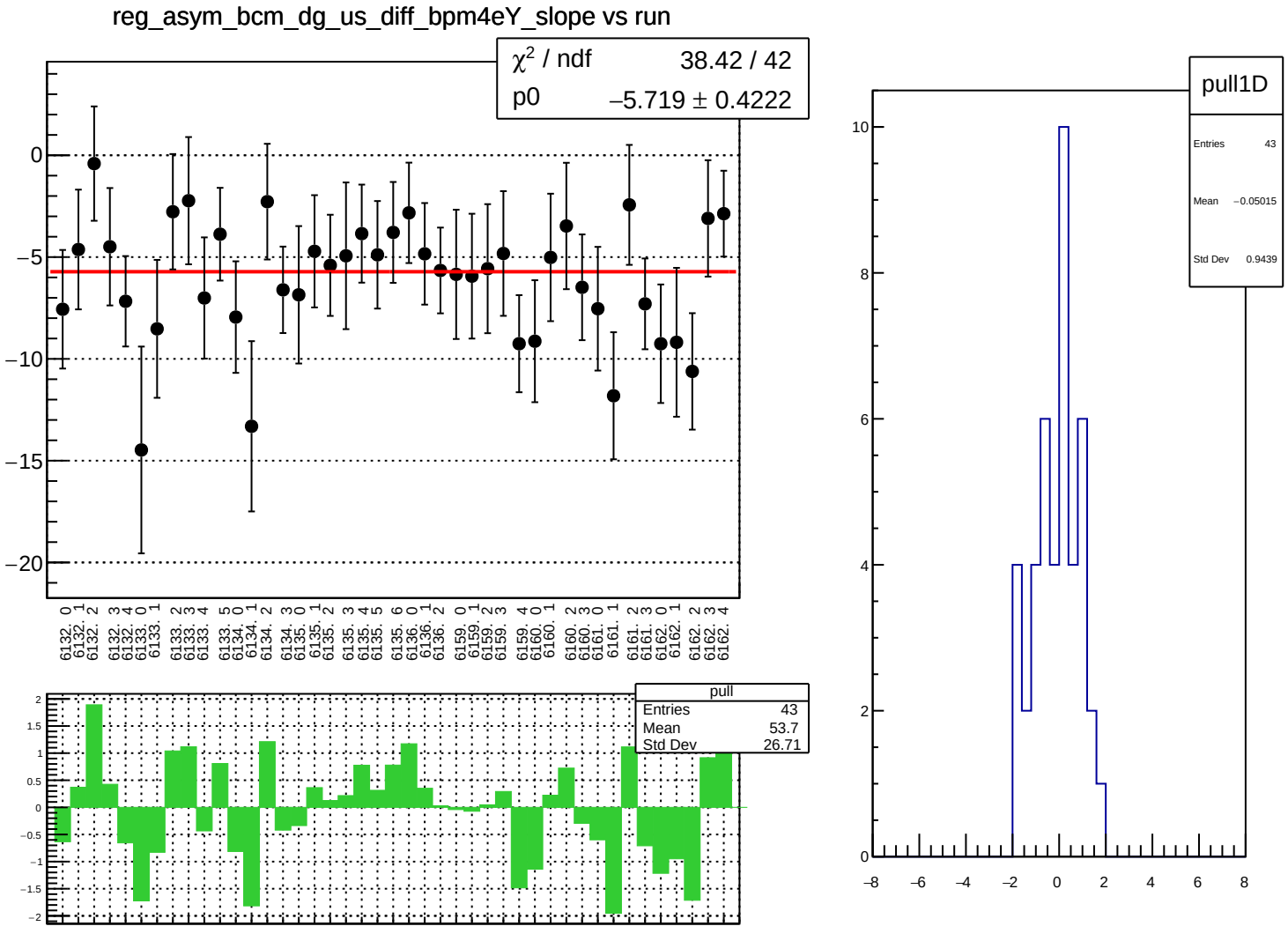

pull1D
Entries 43
Mean −0.02412
Std Dev 0.9057

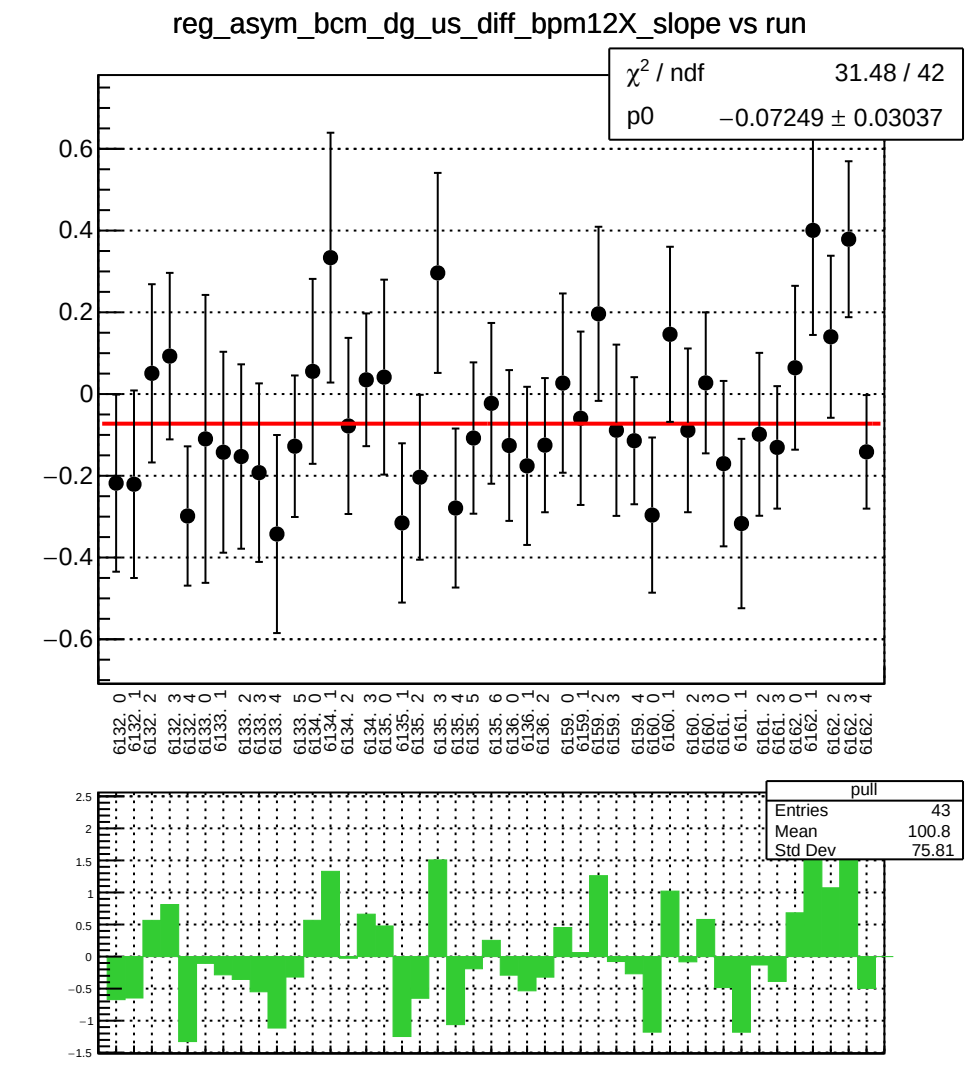

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 36.47 / 42
p0 5.632 ± 0.3968
pull
Entries 43
Mean 46.24
Std Dev 16.46

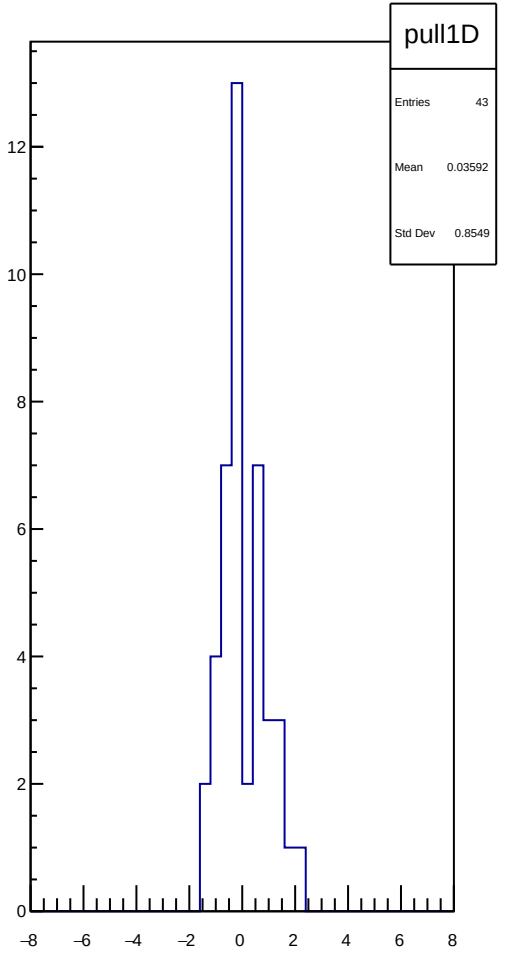

pull1D
Entries 43
Mean 0.05414
Std Dev 0.9193


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 35.87 / 42
p0 −1.47 ± 0.6836
pull
Entries 43
Mean −73.62
Std Dev 96.35


pull1D
Entries 43
Mean 0.02463
Std Dev 0.913


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 38.42 / 42
p0 −5.719 ± 0.4222
0
−5
−10
−15
−20
6132. 0
6132. 1
6132. 2
6132. 3
6132. 4
6133. 0
6133. 1
6133. 2
6133. 3
6133. 4
6133. 5
6134. 0
6134. 1
6134. 2
6134. 3
6135. 0
6135. 1
6135. 2
6135. 3
6135. 4
6135. 5
6135. 6
6136. 0
6136. 1
6136. 2
6159. 0
6159. 1
6159. 2
6159. 3
6159. 4
6160. 0
6160. 1
6160. 2
6160. 3
6161. 0
6161. 1
6161. 2
6161. 3
6162. 0
6162. 1
6162. 2
6162. 3
6162. 4
pull
Entries 43
Mean 53.7
Std Dev 26.71
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.05015
Std Dev 0.9439
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 31.48 / 42
p0 −0.07249 ± 0.03037
pull
Entries 43
Mean 100.8
Std Dev 75.81


pull1D
Entries 43
Mean 0.03592
Std Dev 0.8549