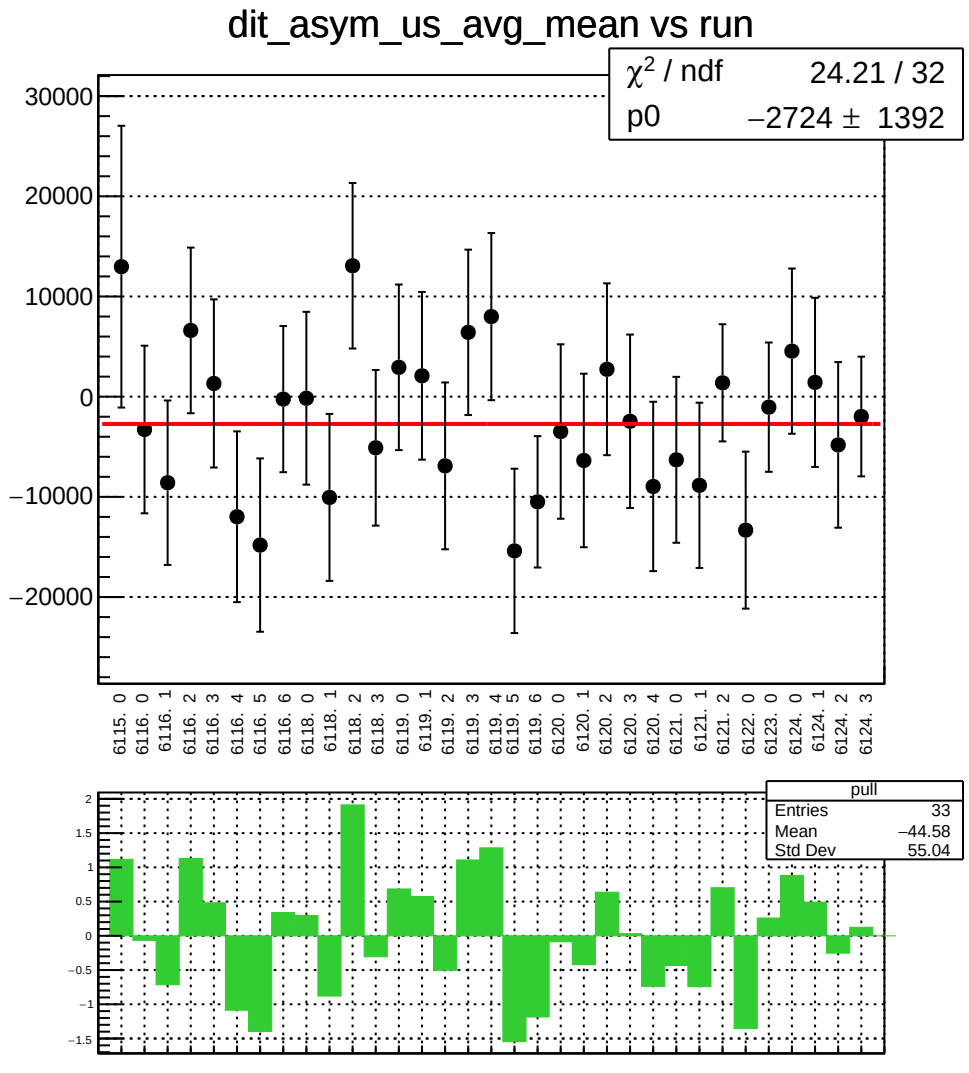
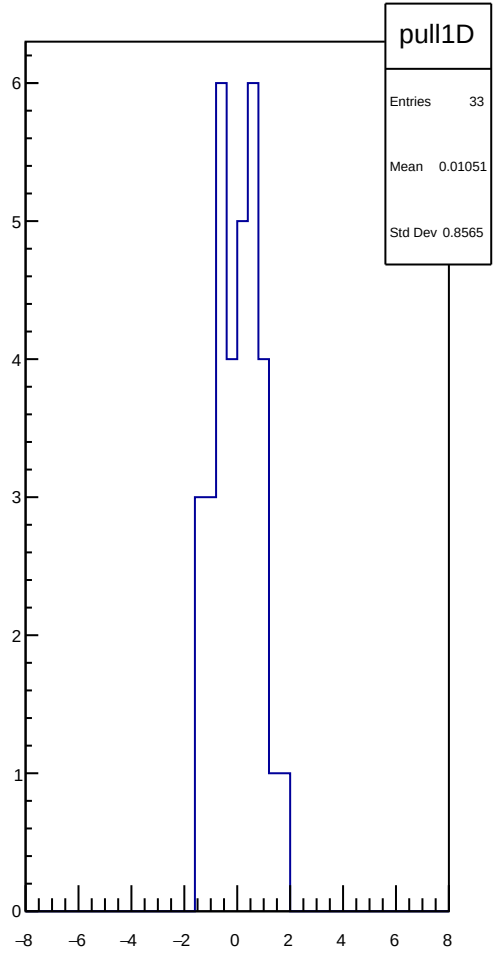
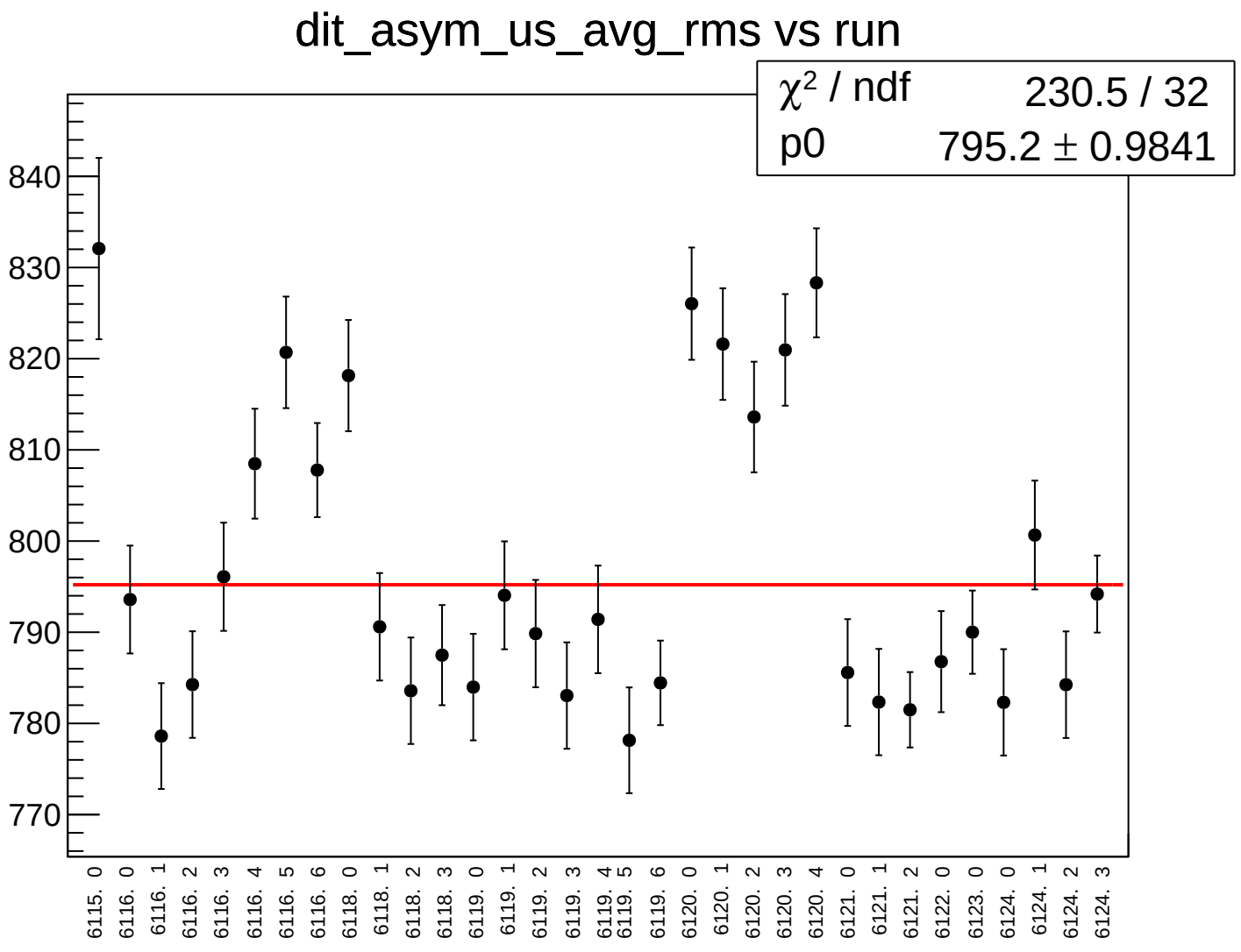
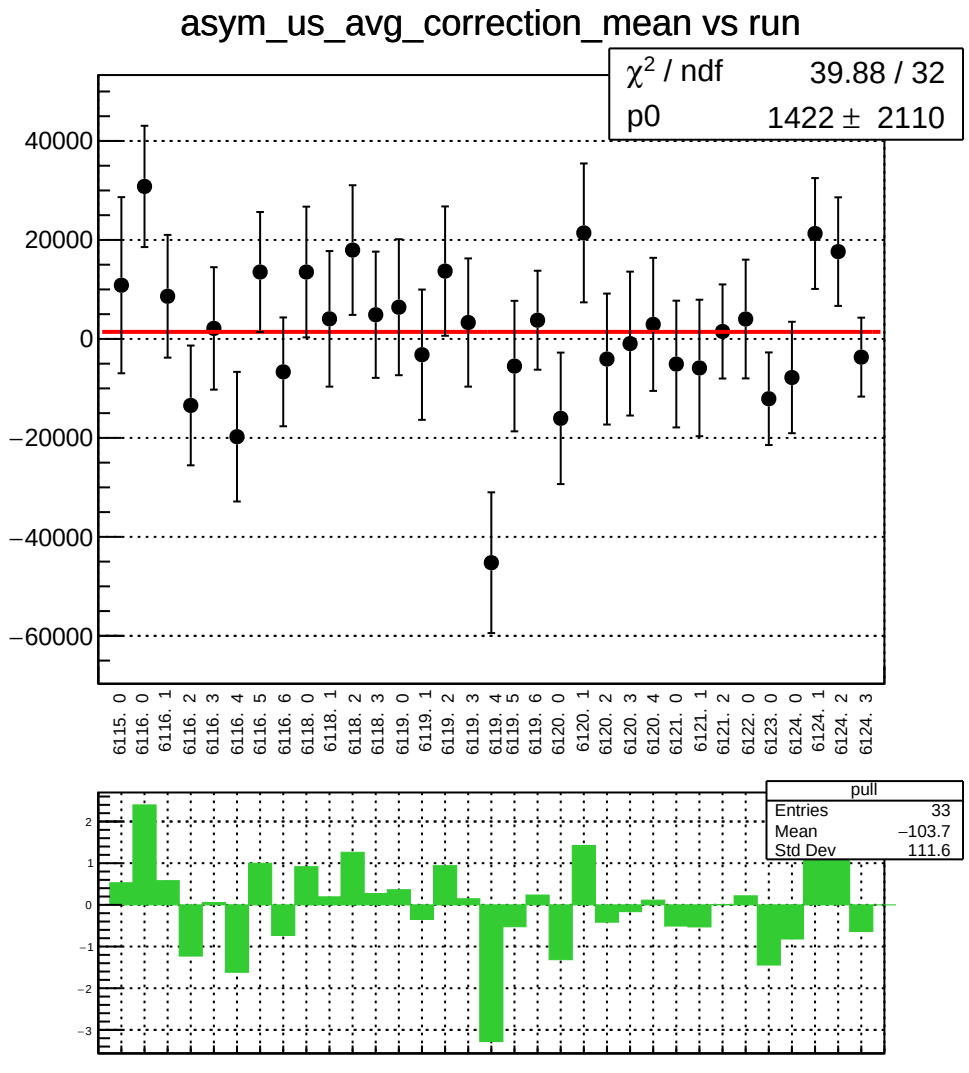
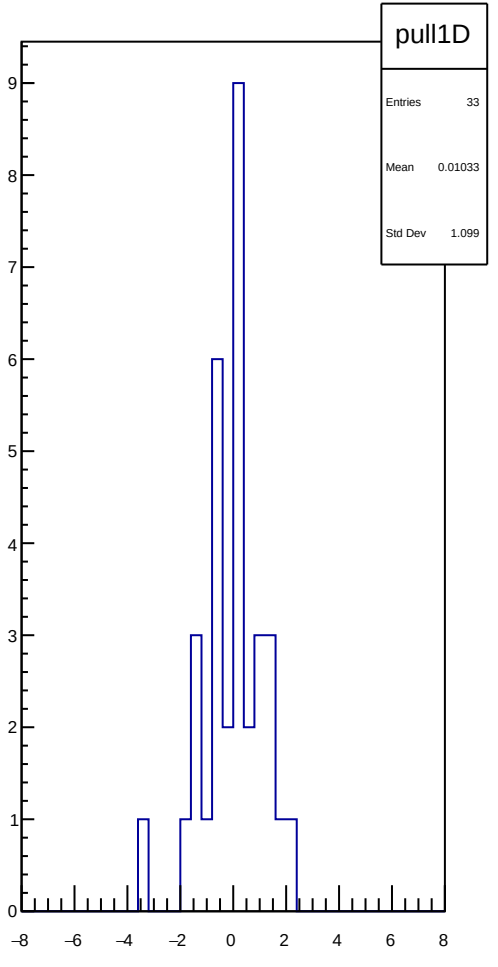
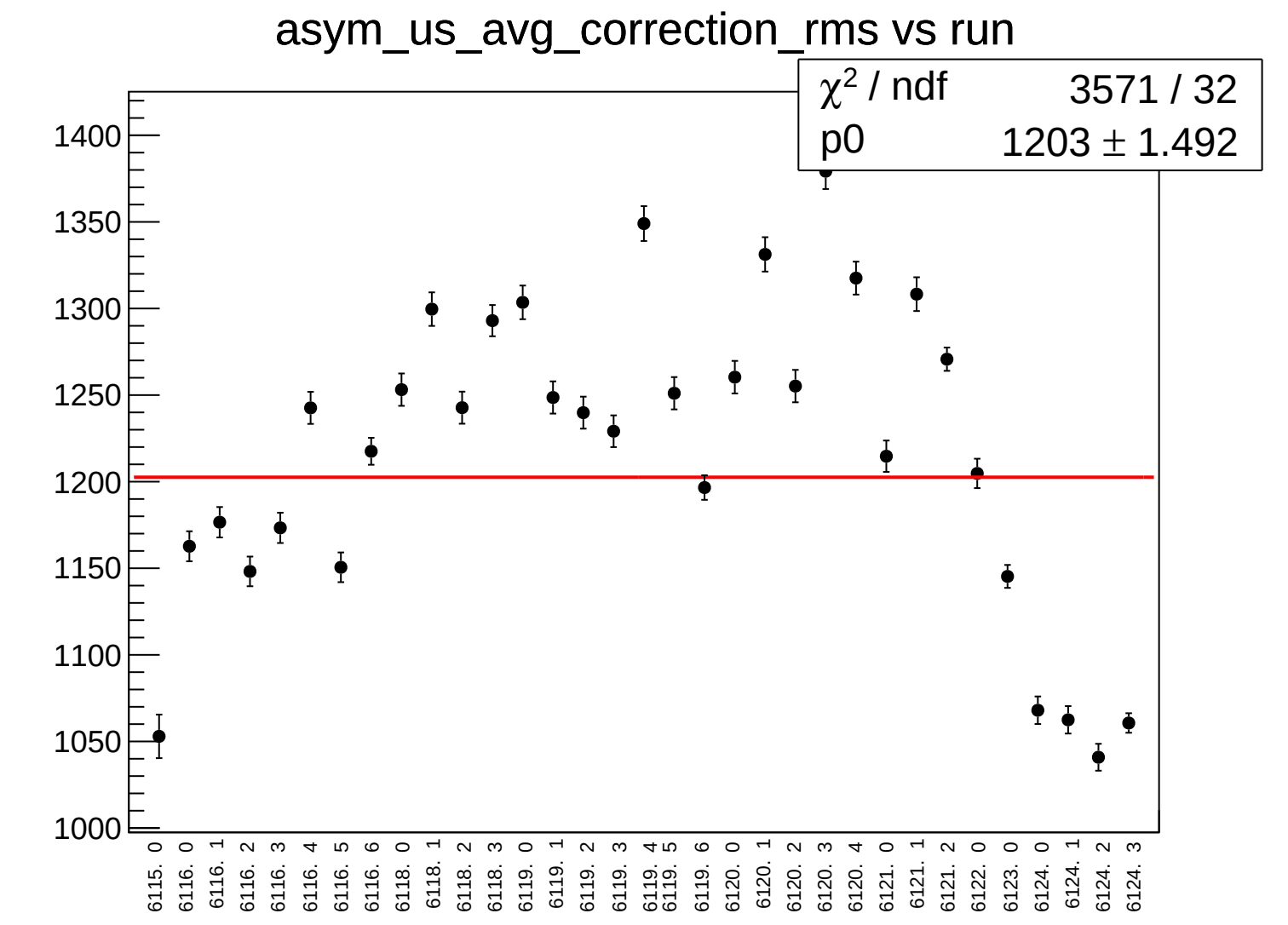

dit_asym_us_avg_mean vs run
χ² / ndf 24.21 / 32
p0 −2724 ± 1392
30000
20000
10000
0
−10000
−20000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −44.58
Std Dev 55.04
2
1.5
1
0.5
0
−0.5
−1
−1.5

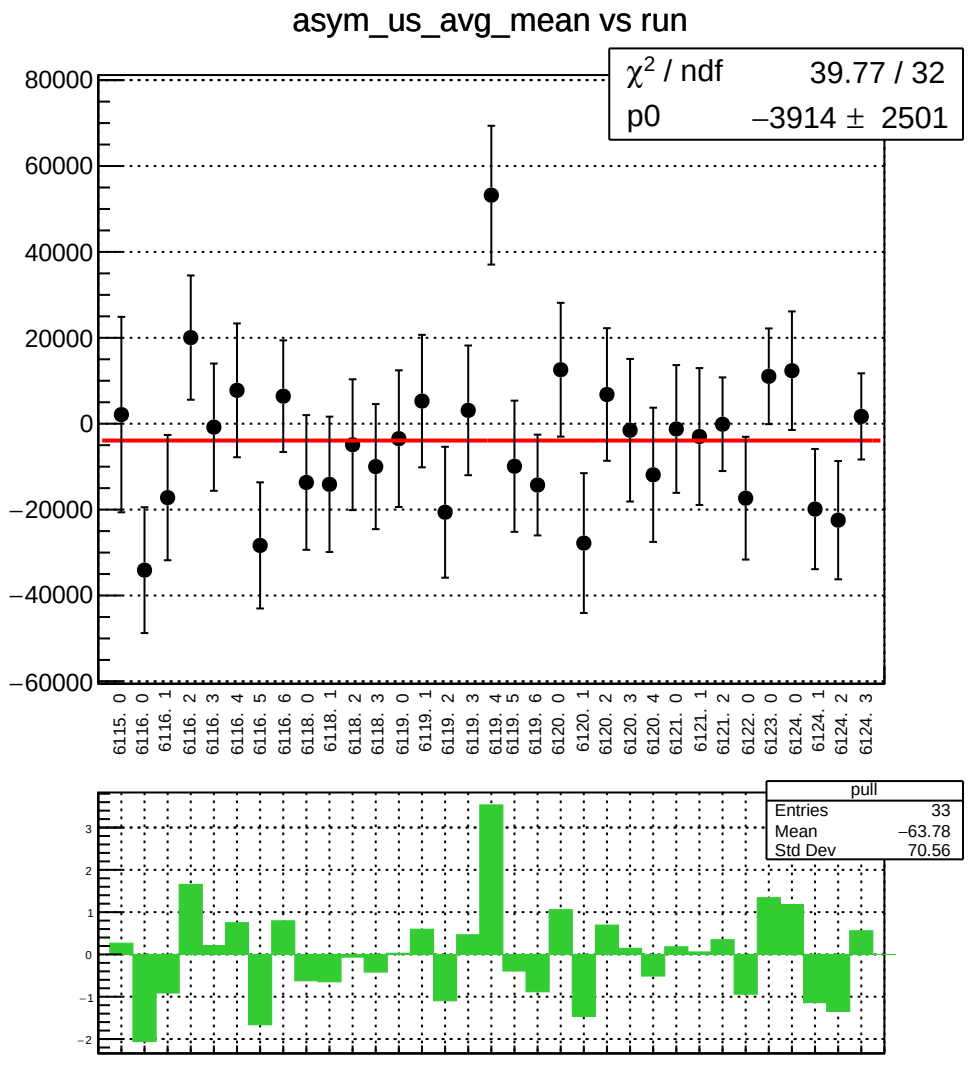

pull1D
Entries 33
Mean 0.01051
Std Dev 0.8565
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

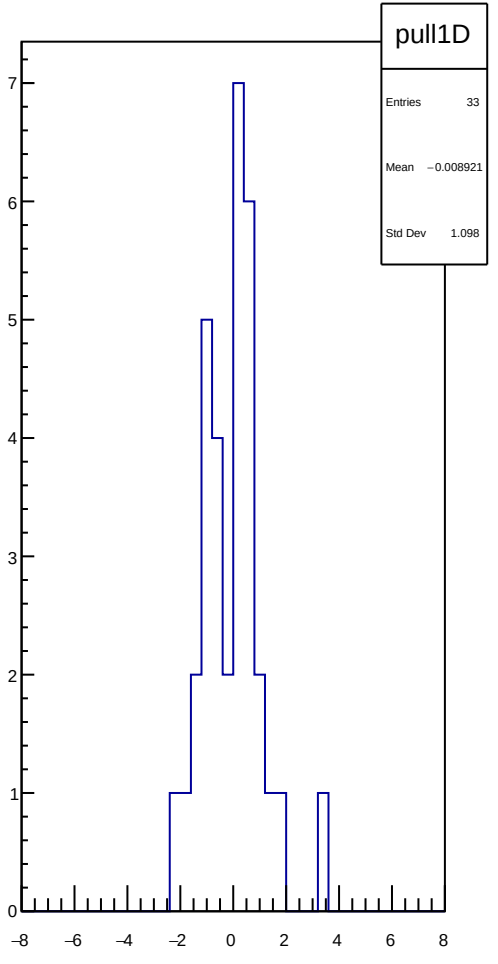

dit_asym_us_avg_rms vs run
χ² / ndf 230.5 / 32
p0 795.2 ± 0.9841
840
830
820
810
800
790
780
770
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

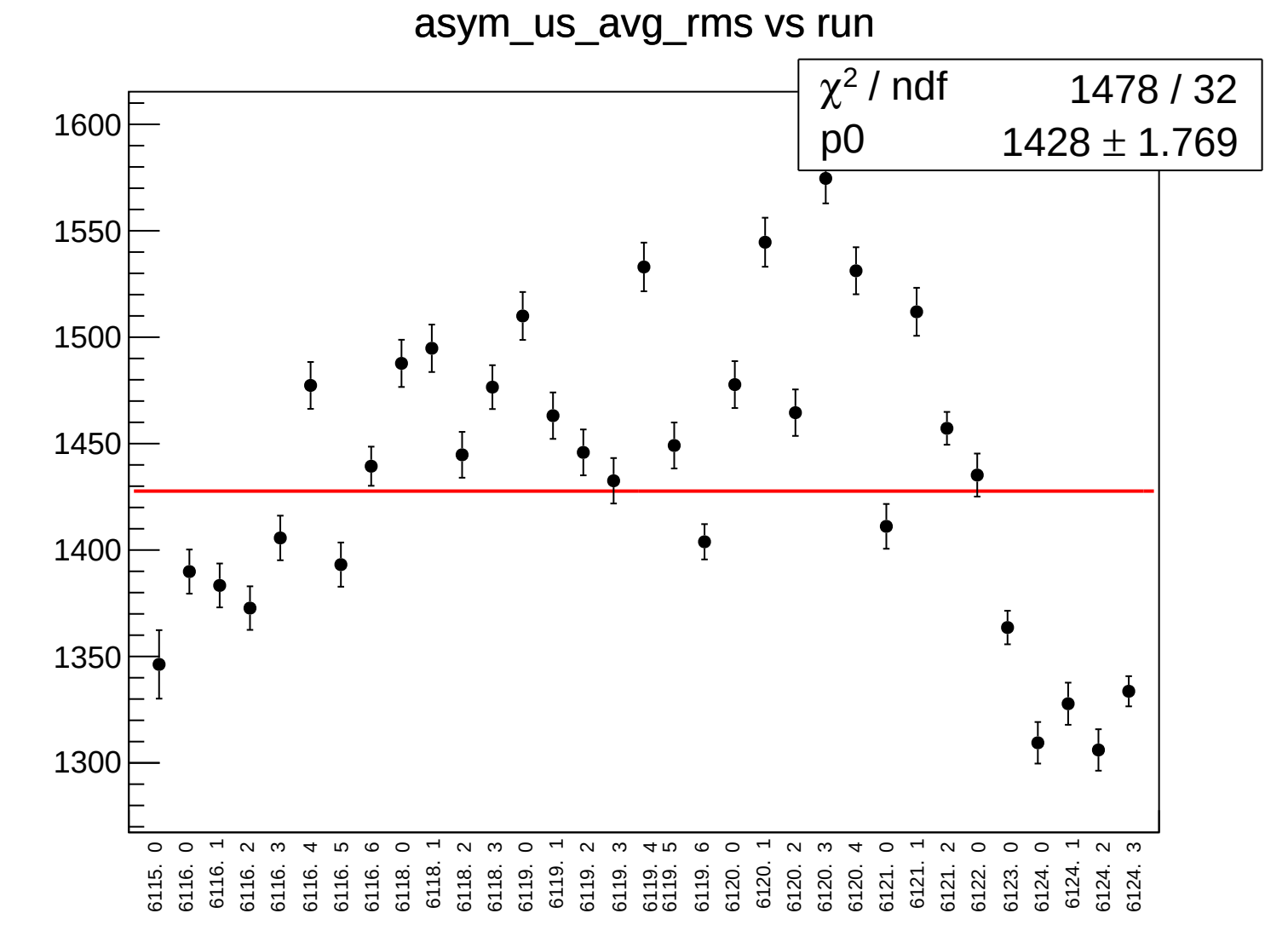

asym_us_avg_correction_mean vs run
χ² / ndf 39.88 / 32
p0 1422 ± 2110
40000
20000
0
−20000
−40000
−60000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −103.7
Std Dev 111.6
2
1
0
−1
−2
−3

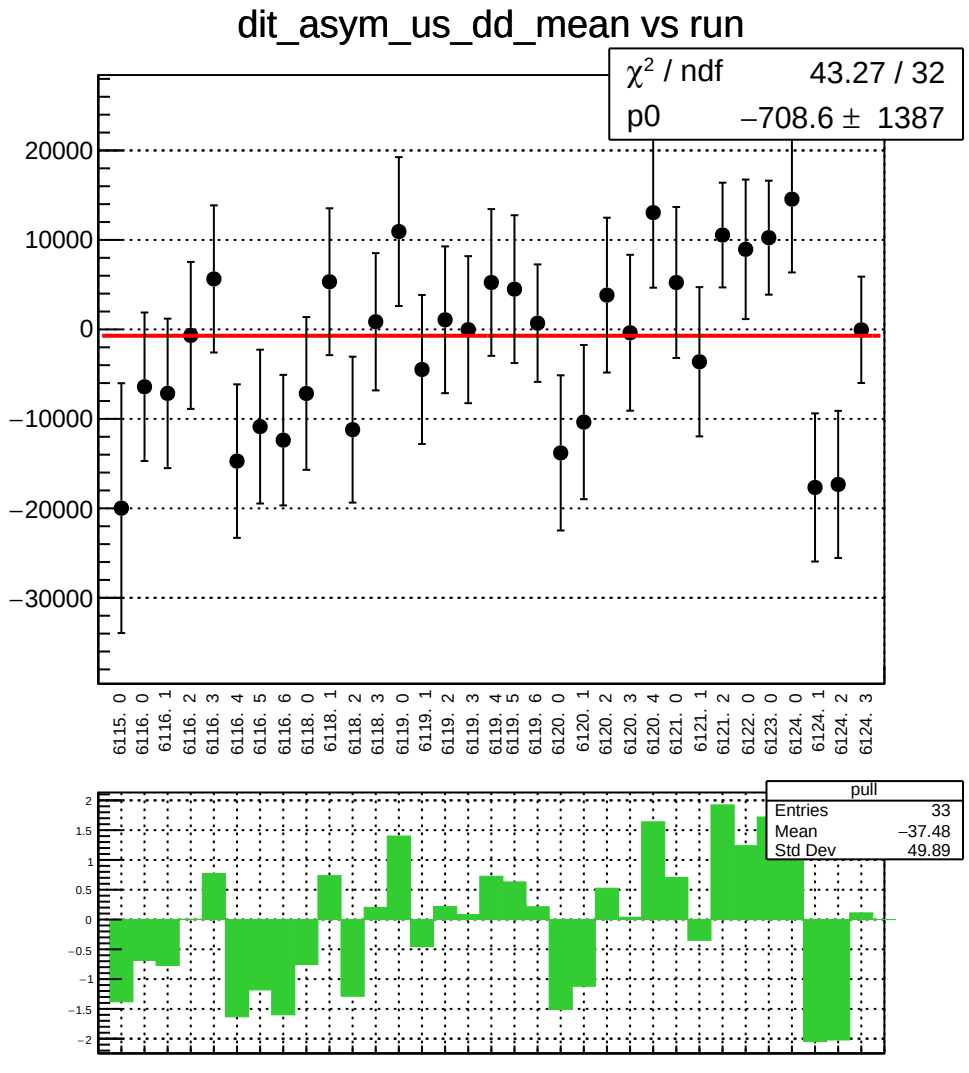

pull1D
Entries 33
Mean 0.01033
Std Dev 1.099
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

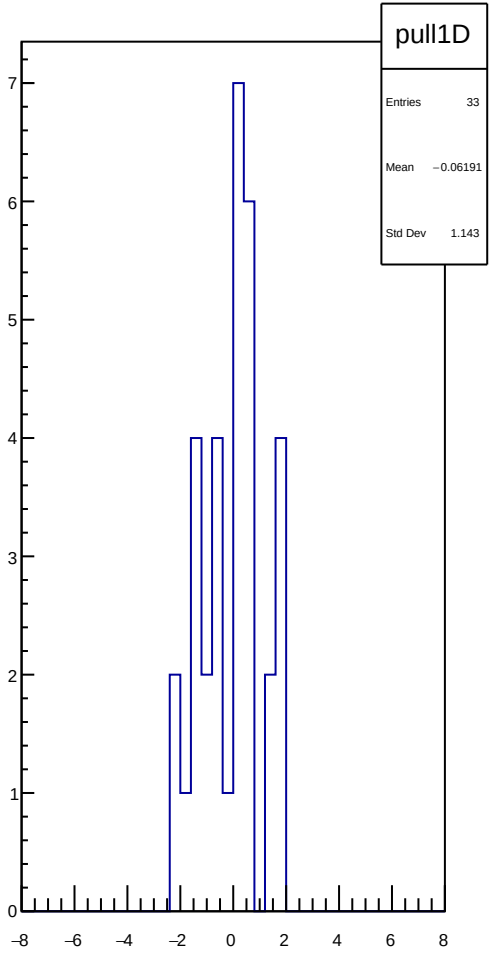

asym_us_avg_correction_rms vs run
χ² / ndf 3571 / 32
p0 1203 ± 1.492
1400
1350
1300
1250
1200
1150
1100
1050
1000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

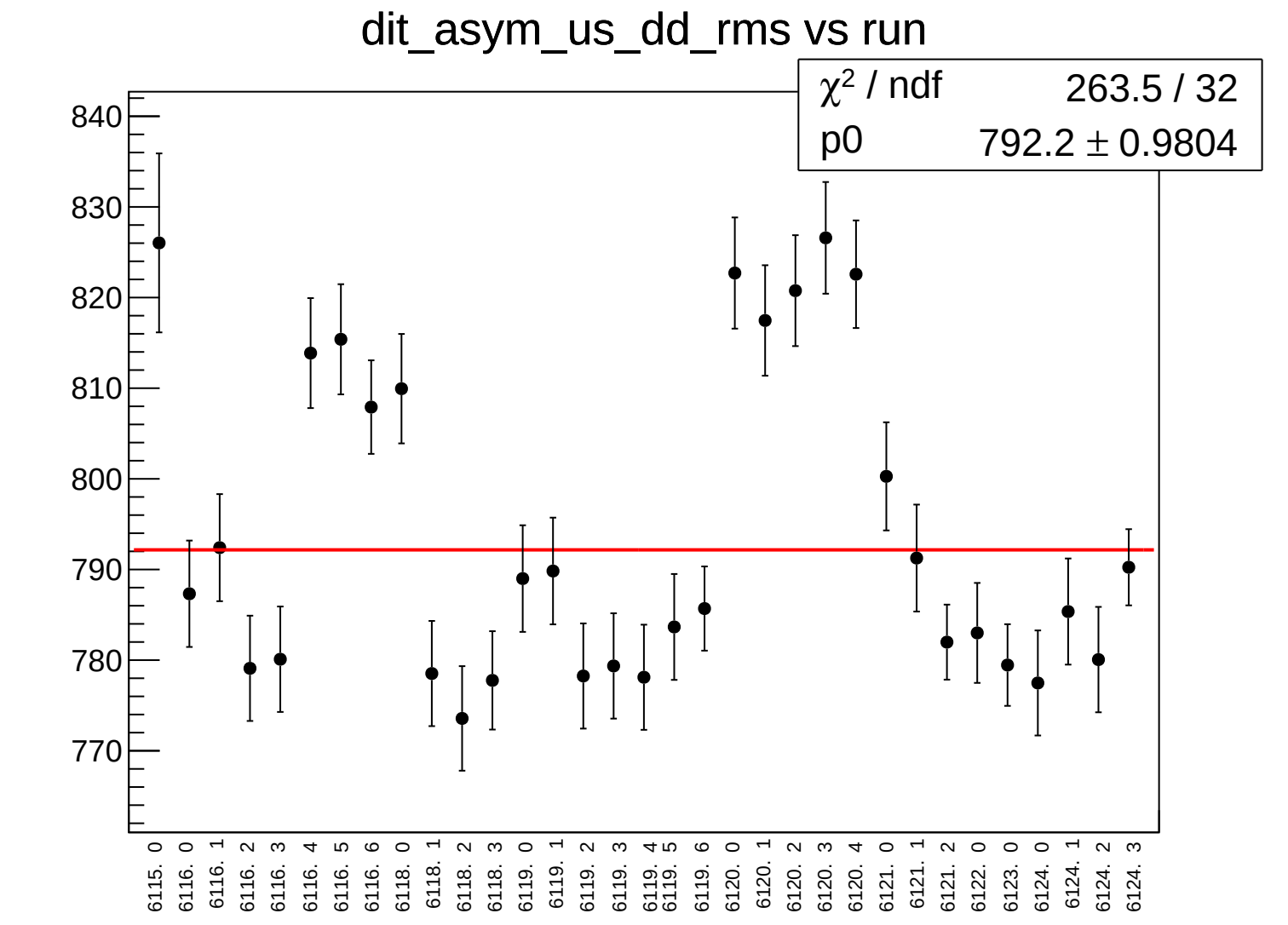

asym_us_avg_mean vs run
χ² / ndf 39.77 / 32
p0 −3914 ± 2501
80000
60000
40000
20000
0
−20000
−40000
−60000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −63.78
Std Dev 70.56
3
2
1
0
−1
−2

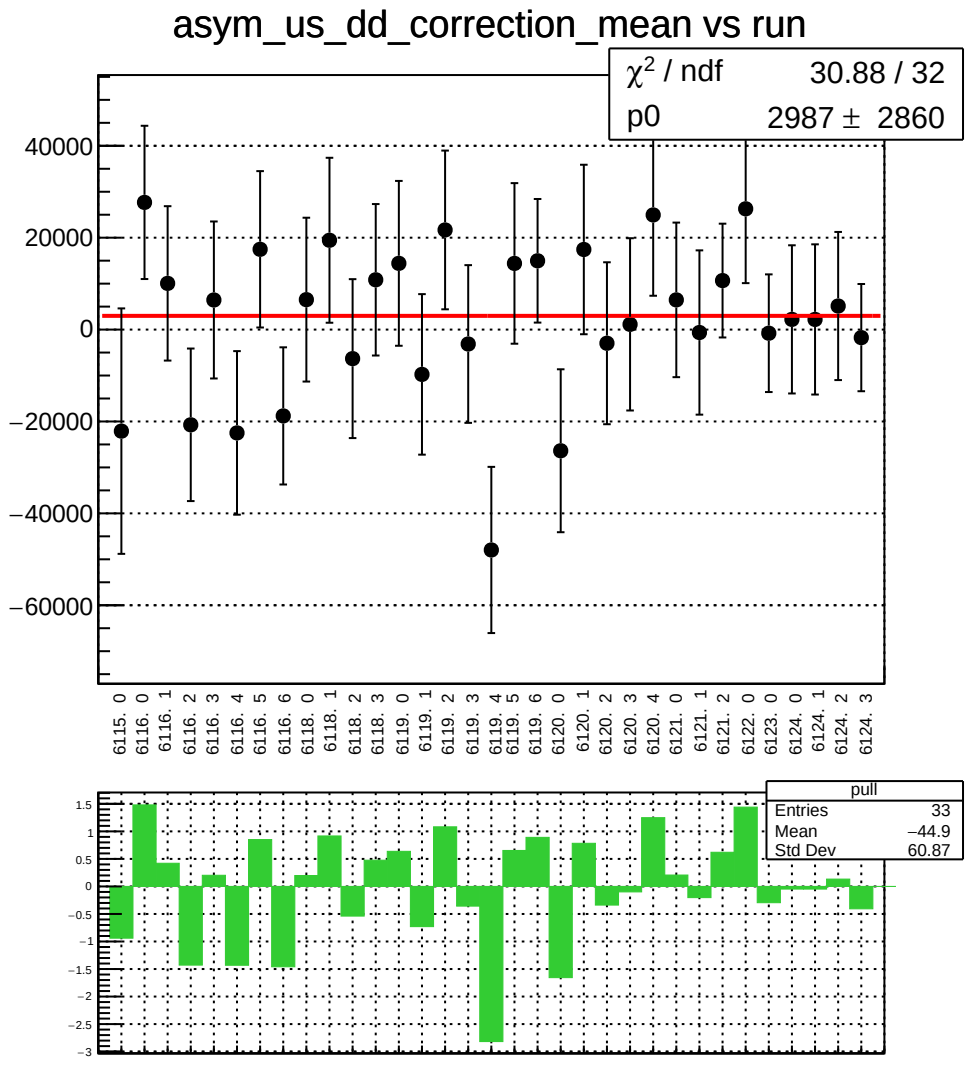

pull1D
Entries 33
Mean −0.008921
Std Dev 1.098
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

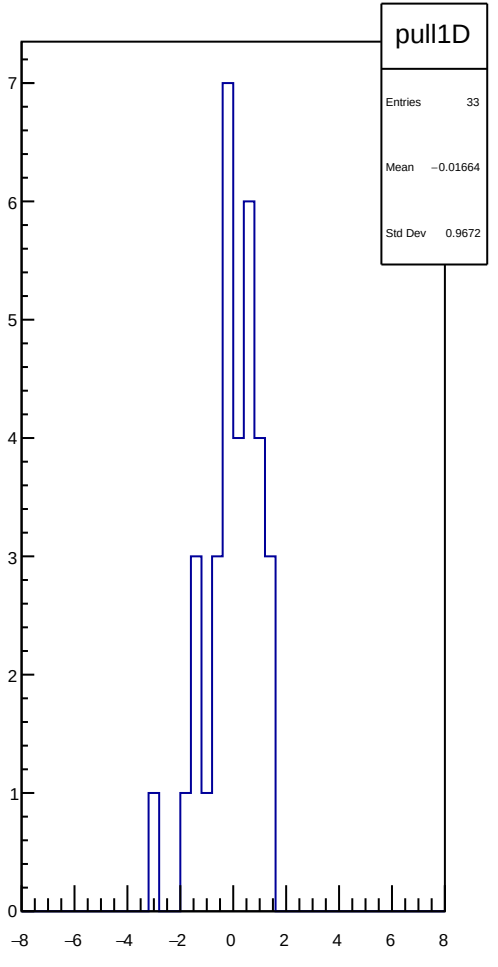

asym_us_avg_rms vs run
χ² / ndf 1478 / 32
p0 1428 ± 1.769
1600
1550
1500
1450
1400
1350
1300
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

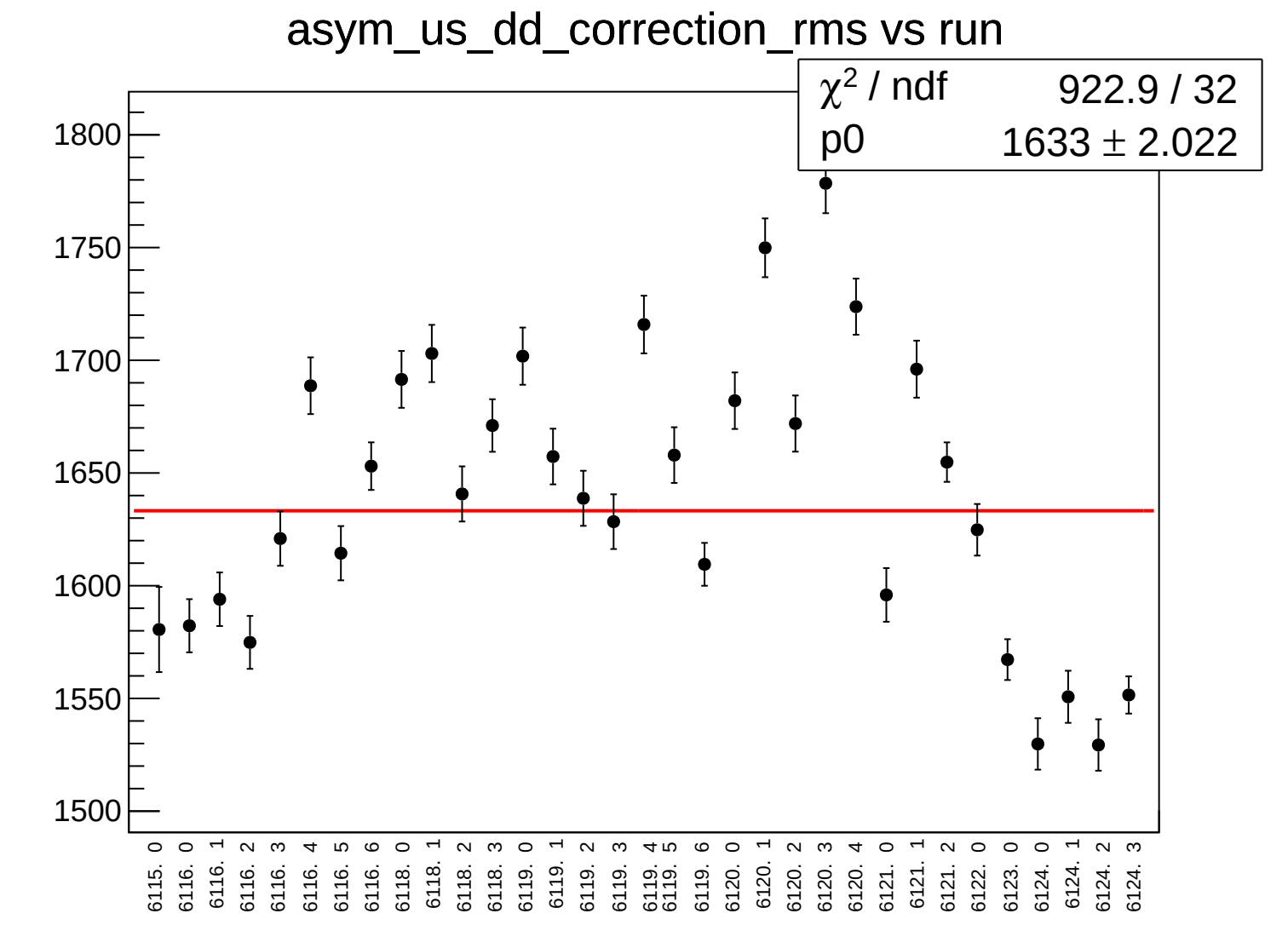

dit_asym_us_dd_mean vs run
χ² / ndf 43.27 / 32
p0 −708.6 ± 1387
20000
10000
0
−10000
−20000
−30000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −37.48
Std Dev 49.89
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

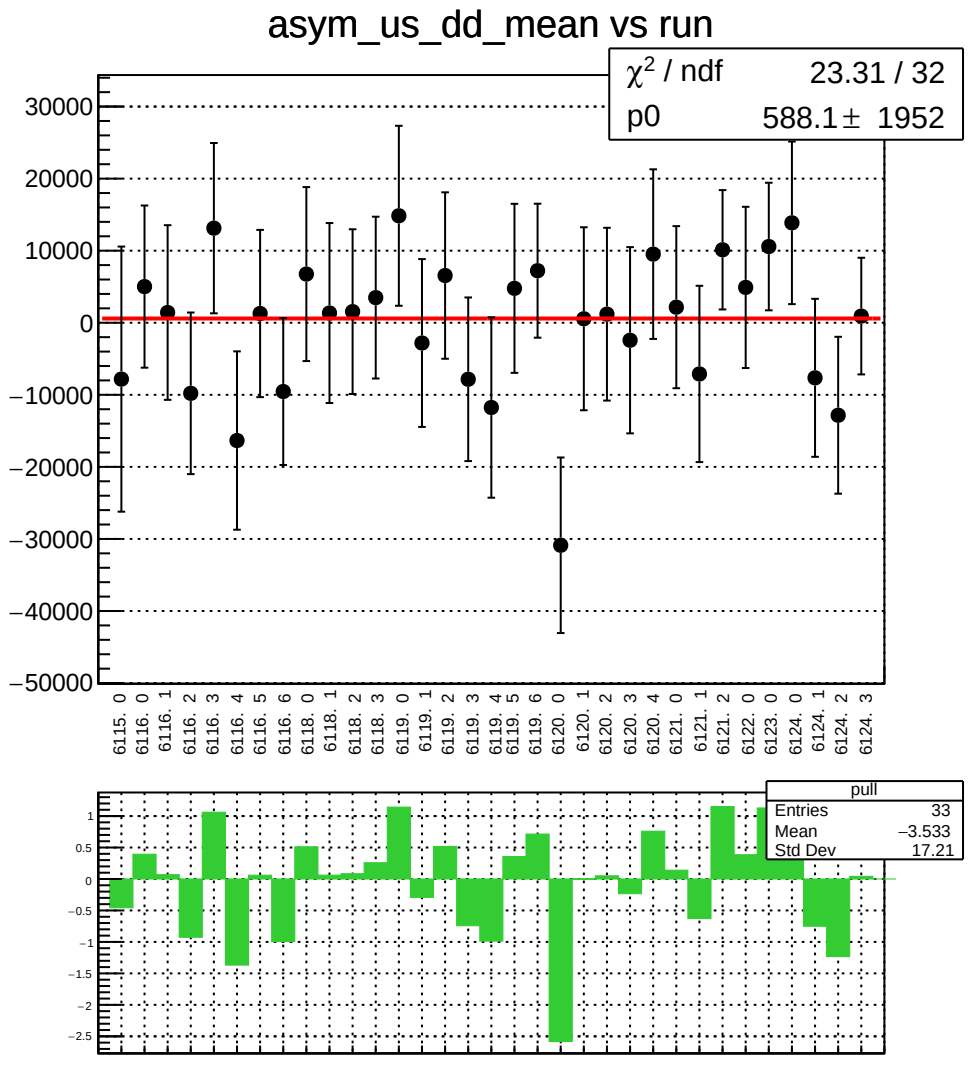

pull1D
Entries 33
Mean −0.06191
Std Dev 1.143
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

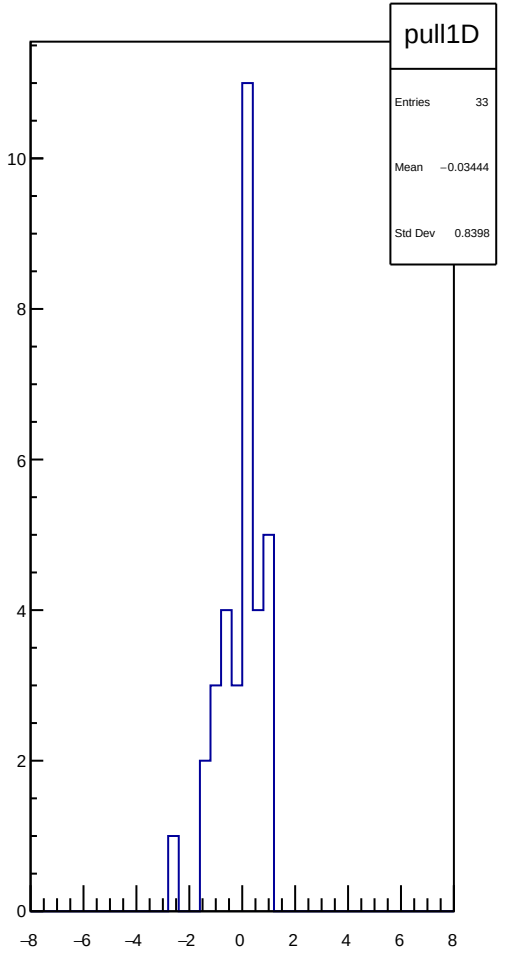

dit_asym_us_dd_rms vs run
χ² / ndf 263.5 / 32
p0 792.2 ± 0.9804
840
830
820
810
800
790
780
770
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

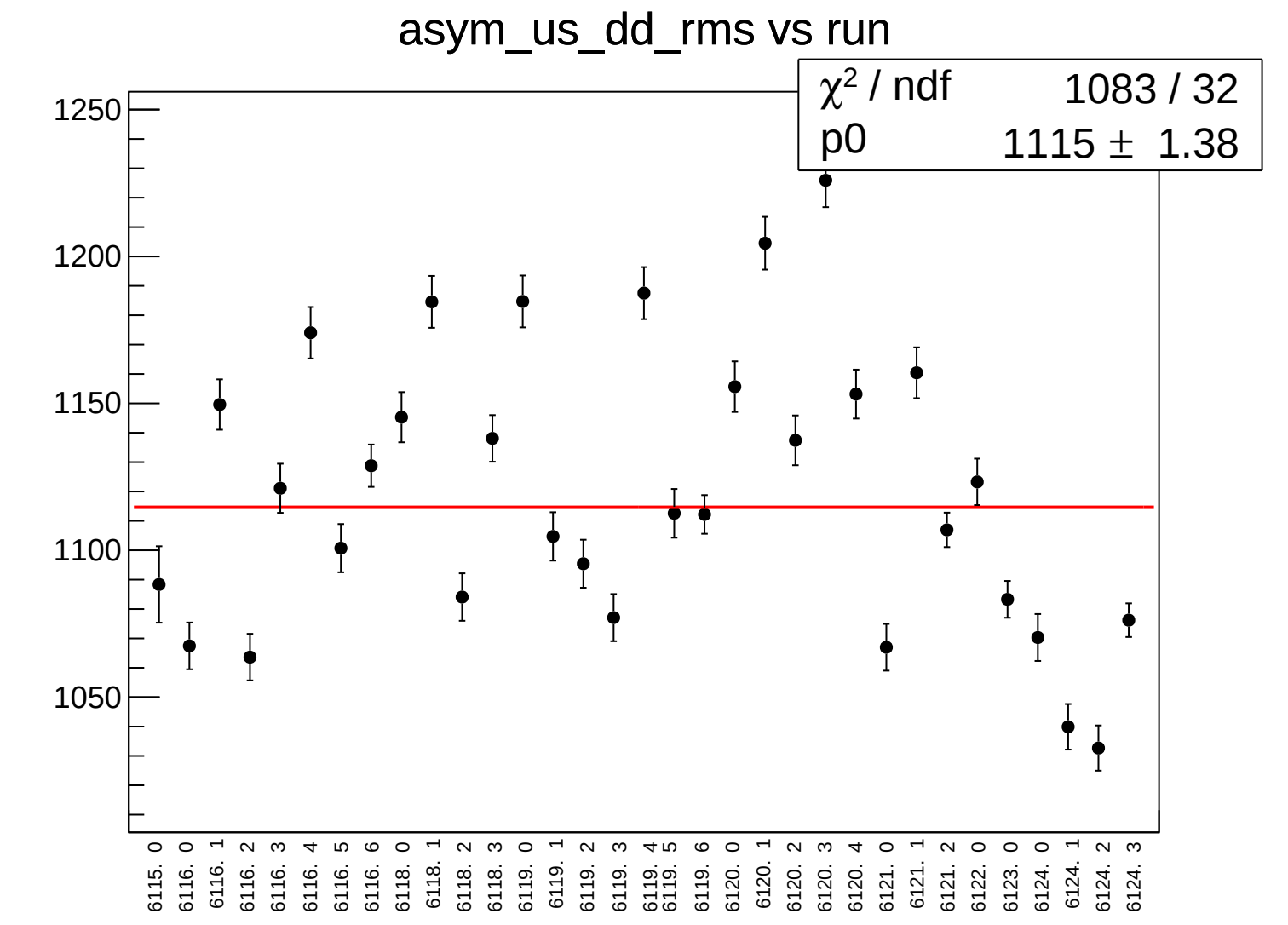

asym_us_dd_correction_mean vs run
χ² / ndf 30.88 / 32
p0 2987 ± 2860
40000
20000
0
−20000
−40000
−60000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −44.9
Std Dev 60.87
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

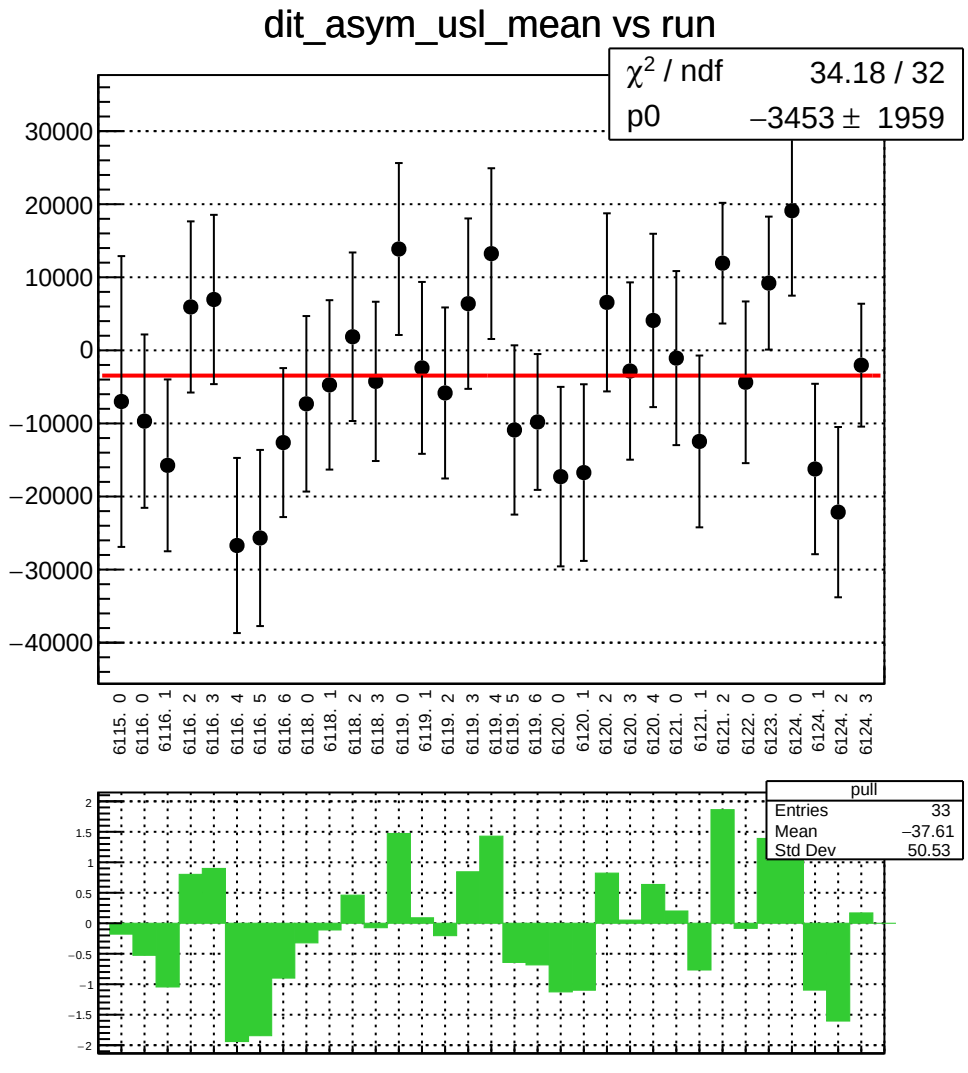

pull1D
Entries 33
Mean −0.01664
Std Dev 0.9672
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

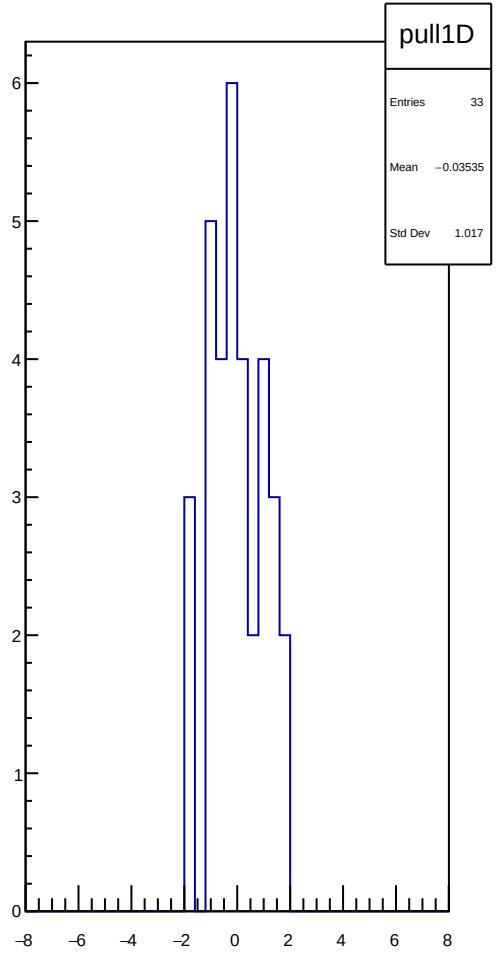

asym_us_dd_correction_rms vs run
χ² / ndf 922.9 / 32
p0 1633 ± 2.022
1800
1750
1700
1650
1600
1550
1500
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

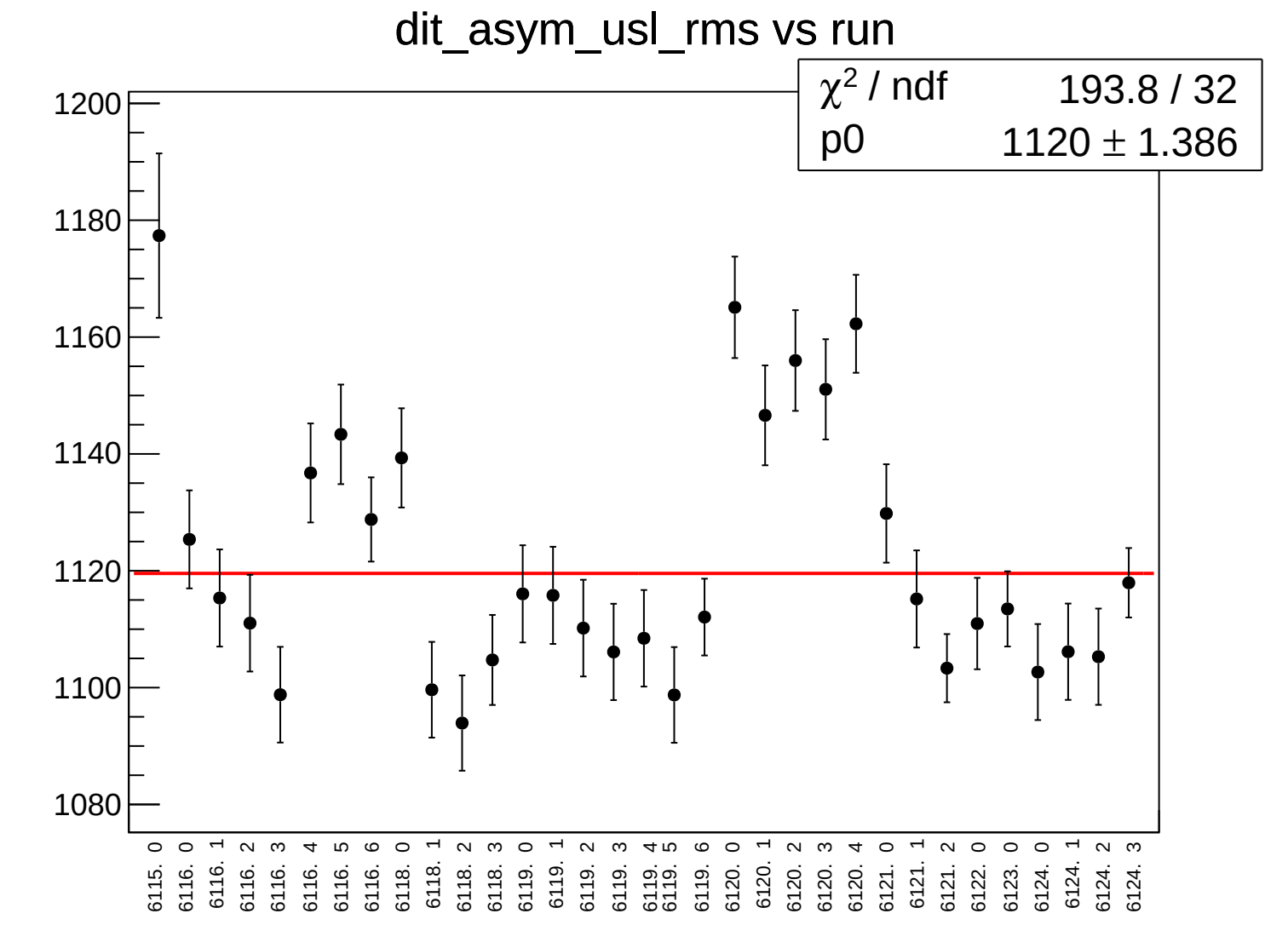

asym_us_dd_mean vs run
χ² / ndf 23.31 / 32
p0 588.1 ± 1952
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −3.533
Std Dev 17.21
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

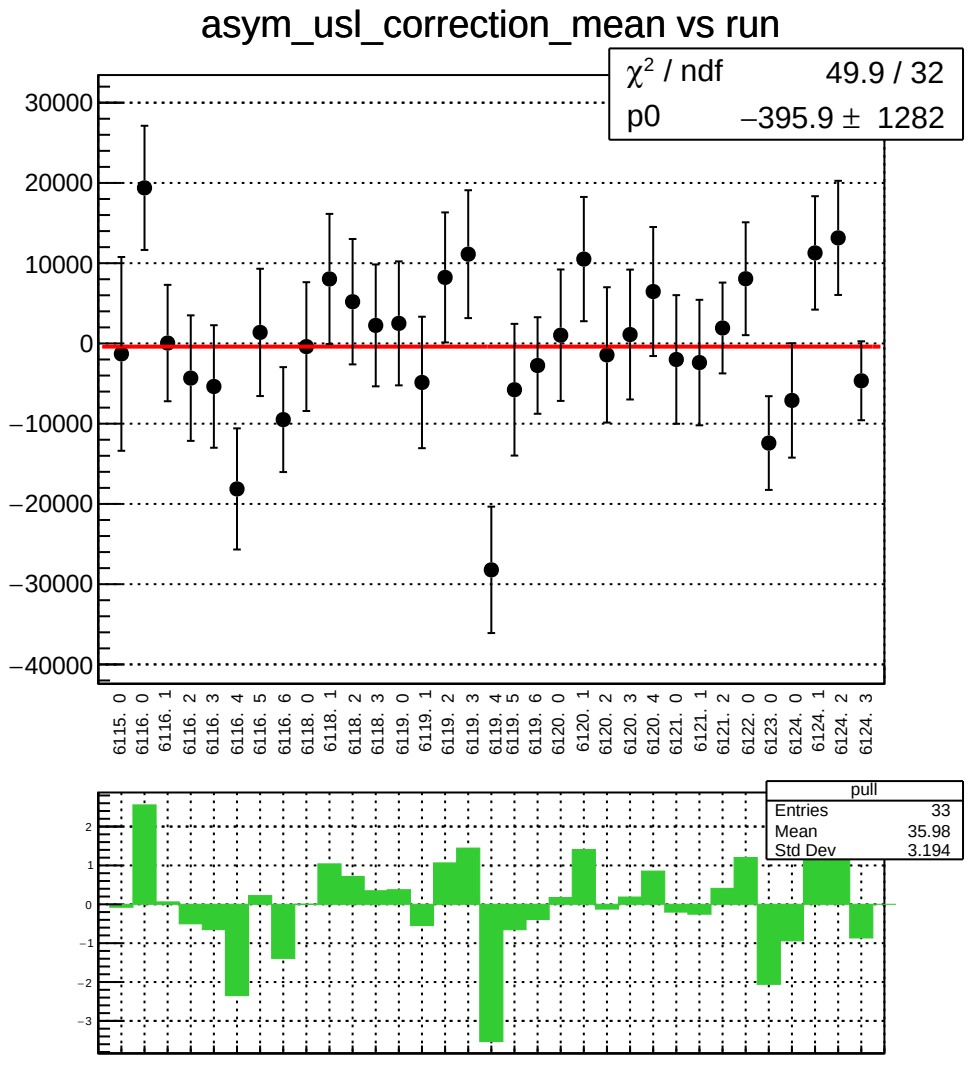

pull1D
Entries 33
Mean −0.03444
Std Dev 0.8398
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

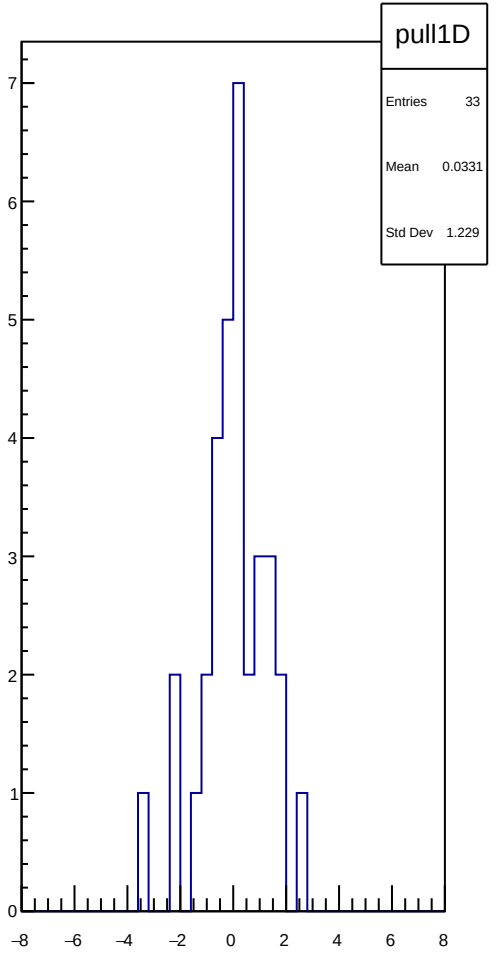

asym_us_dd_rms vs run
χ² / ndf 1083 / 32
p0 1115 ± 1.38
1250
1200
1150
1100
1050
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

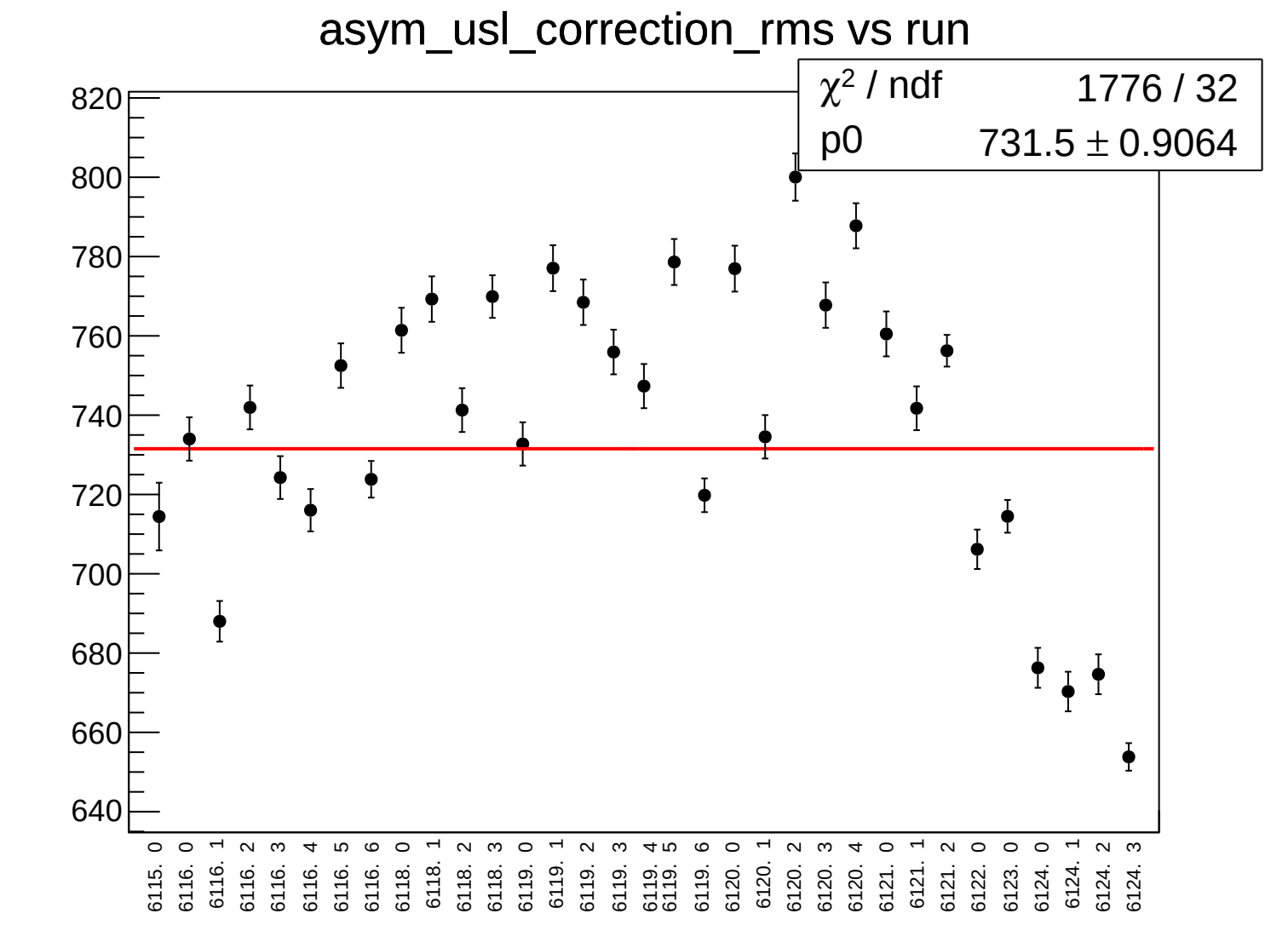

dit_asym_usl_mean vs run
χ² / ndf 34.18 / 32
p0 −3453 ± 1959
30000
20000
10000
0
−10000
−20000
−30000
−40000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −37.61
Std Dev 50.53
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

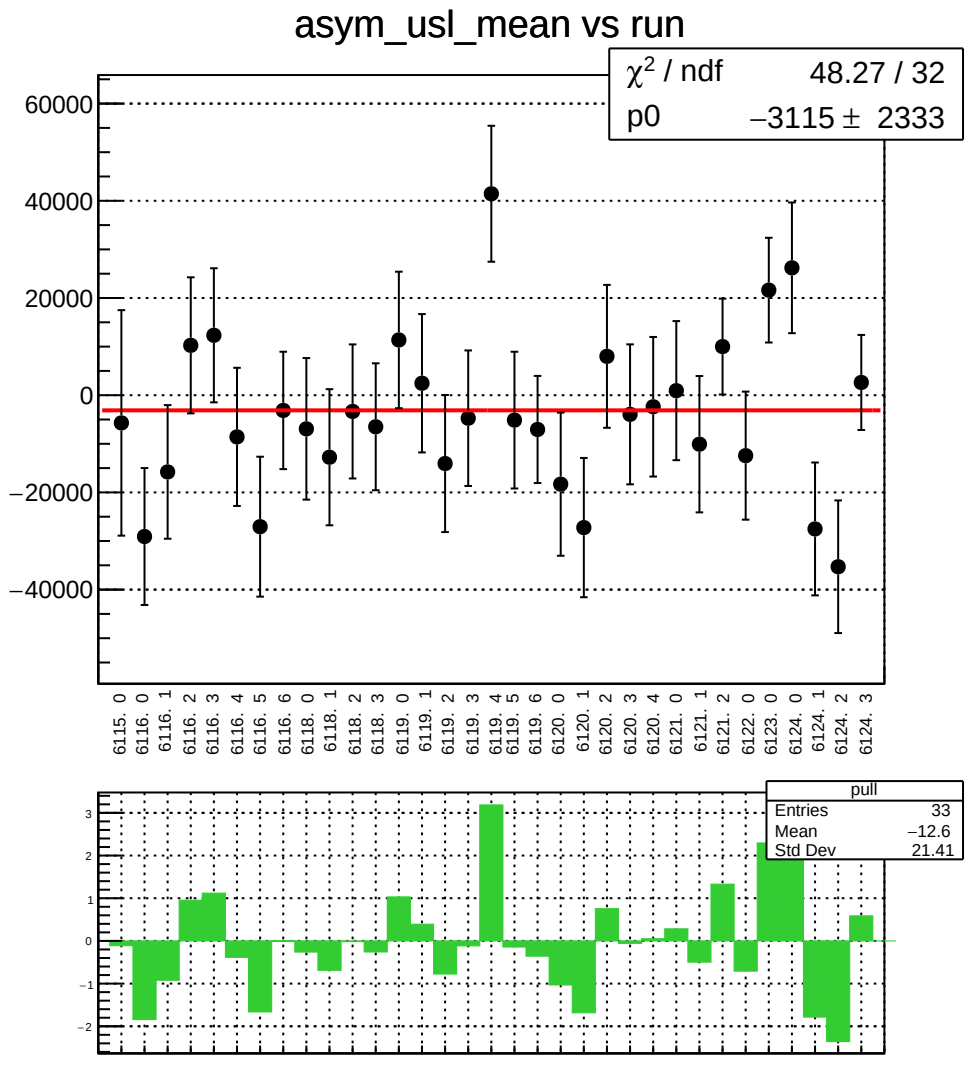

pull1D
Entries 33
Mean −0.03535
Std Dev 1.017
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

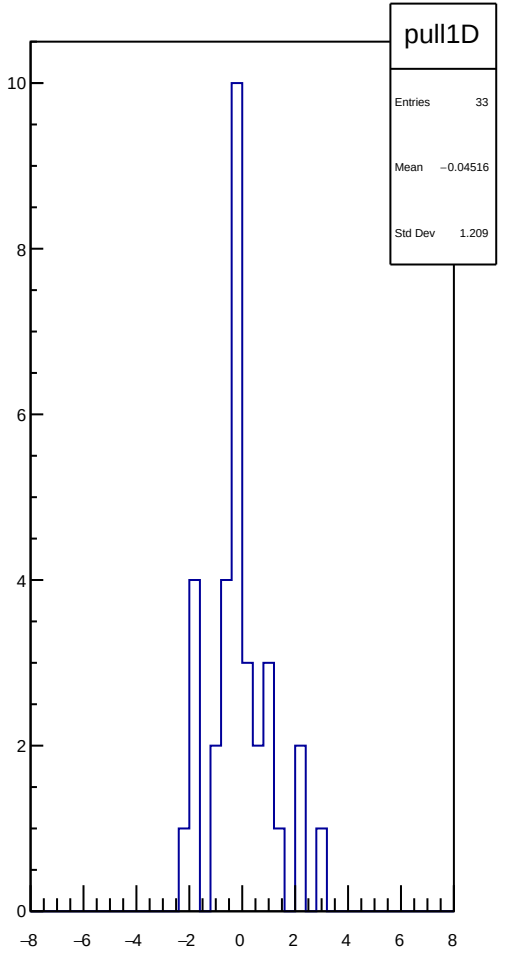

dit_asym_usl_rms vs run
χ² / ndf 193.8 / 32
p0 1120 ± 1.386
1200
1180
1160
1140
1120
1100
1080
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

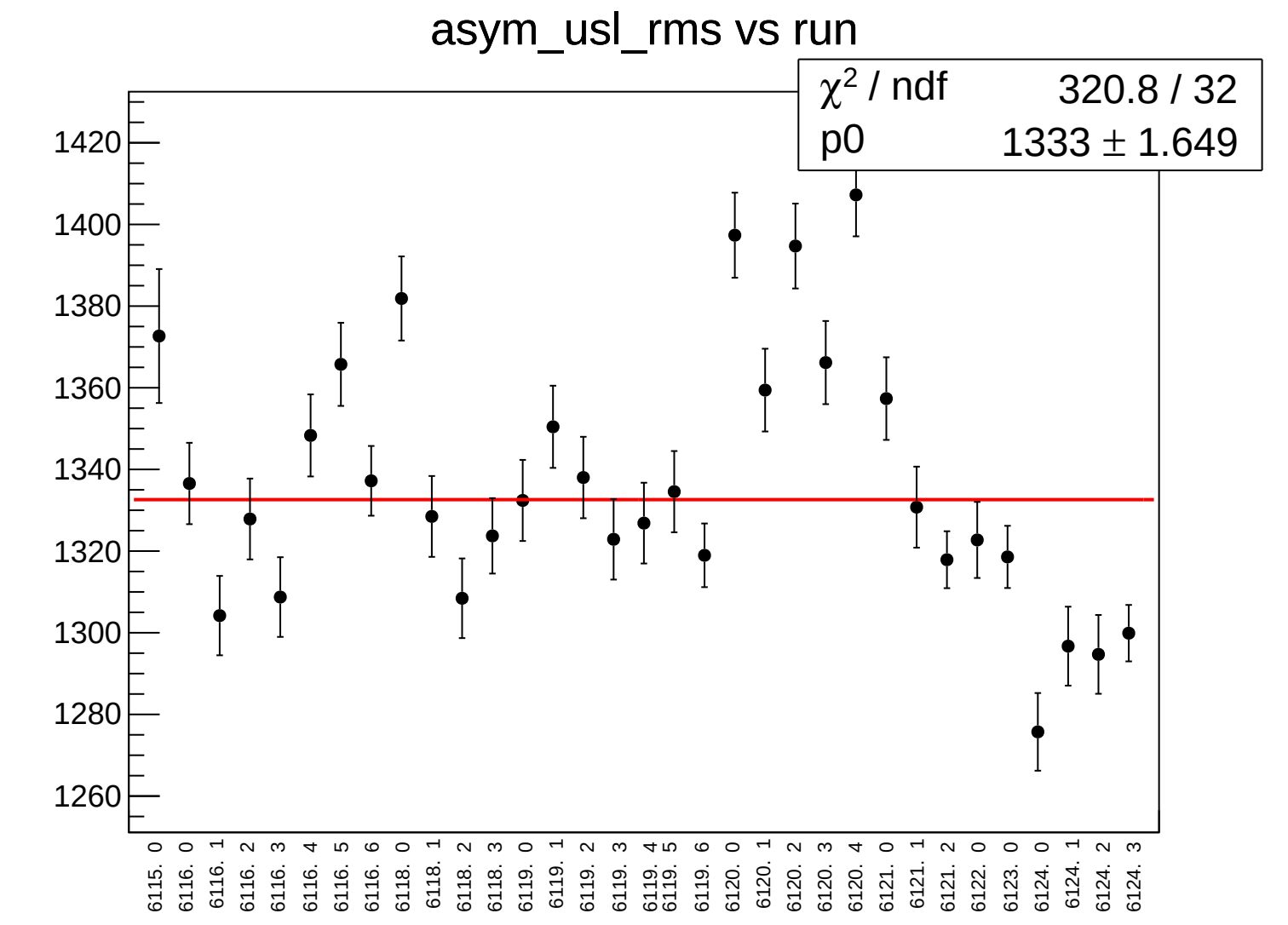

asym_usl_correction_mean vs run
χ² / ndf 49.9 / 32
p0 −395.9 ± 1282
30000
20000
10000
0
−10000
−20000
−30000
−40000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 35.98
Std Dev 3.194
2
1
0
−1
−2
−3

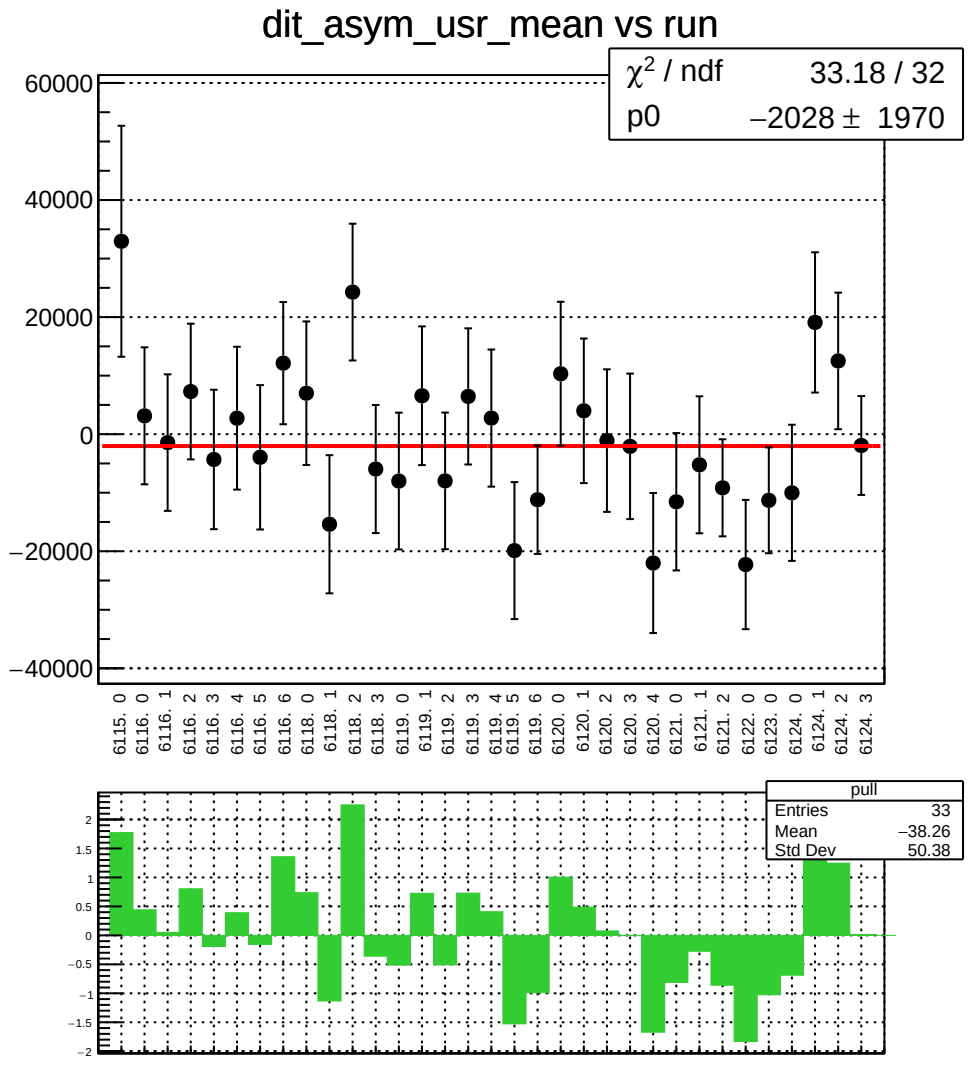

pull1D
Entries 33
Mean 0.0331
Std Dev 1.229
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

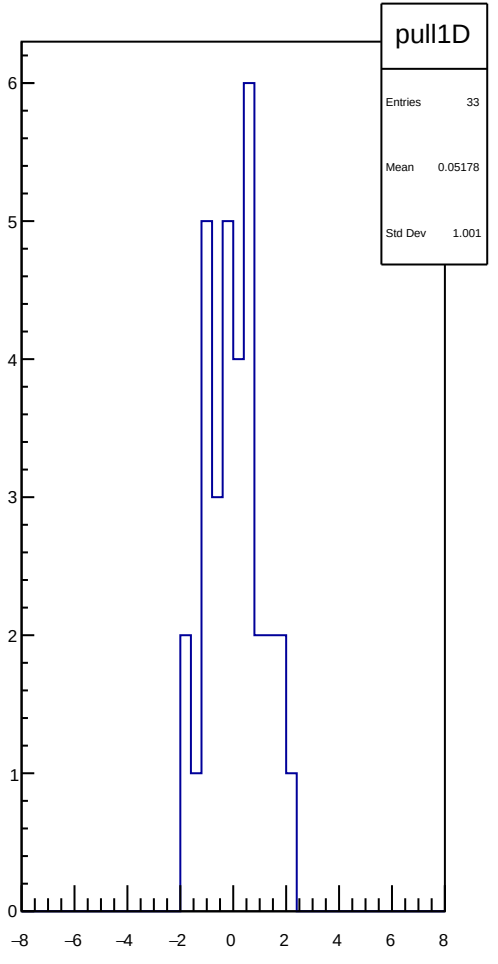

asym_usl_correction_rms vs run
χ² / ndf 1776 / 32
p0 731.5 ± 0.9064
820
800
780
760
740
720
700
680
660
640
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

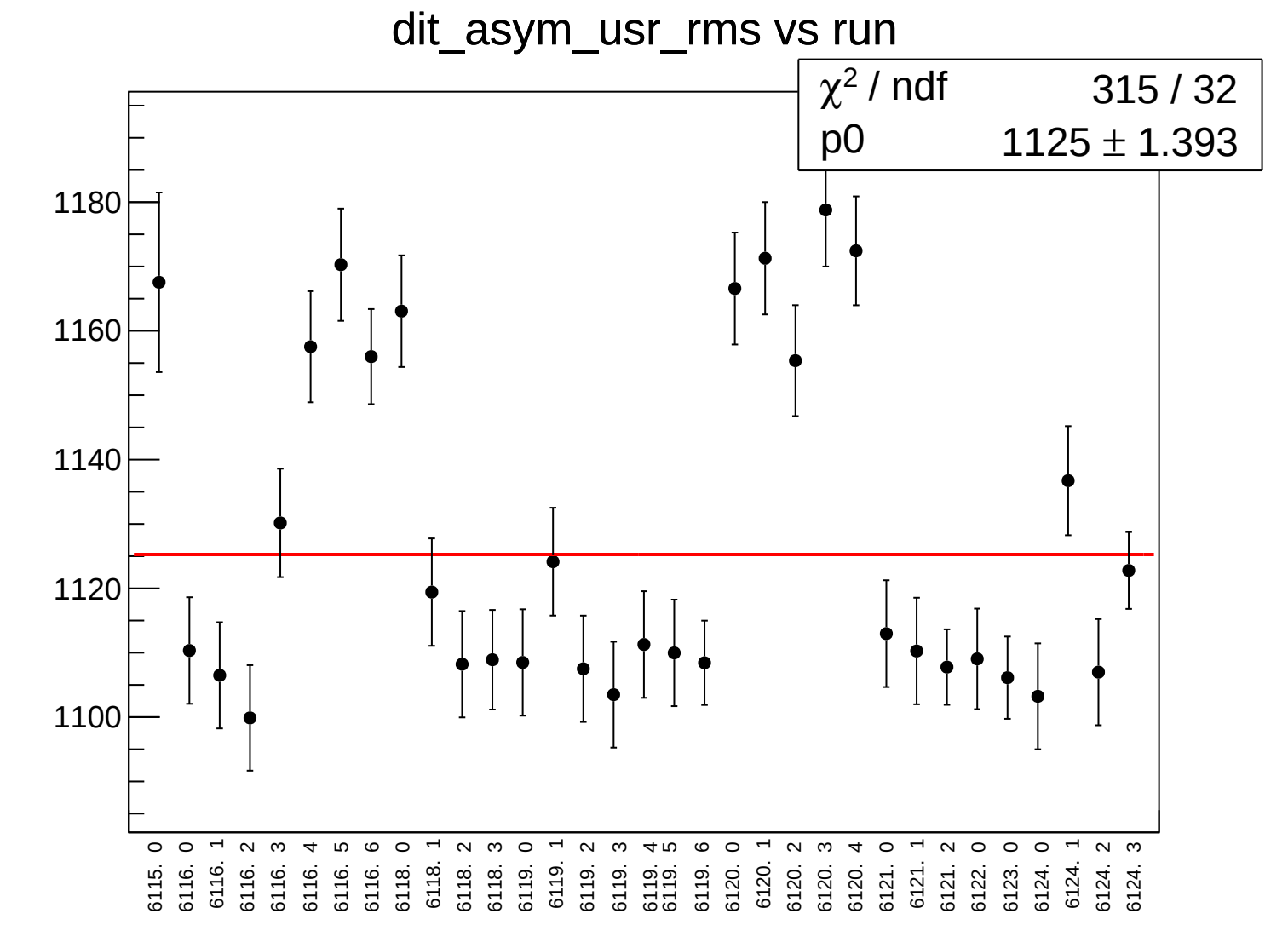

asym_usl_mean vs run
χ² / ndf 48.27 / 32
p0 −3115 ± 2333
60000
40000
20000
0
−20000
−40000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −12.6
Std Dev 21.41
3
2
1
0
−1
−2

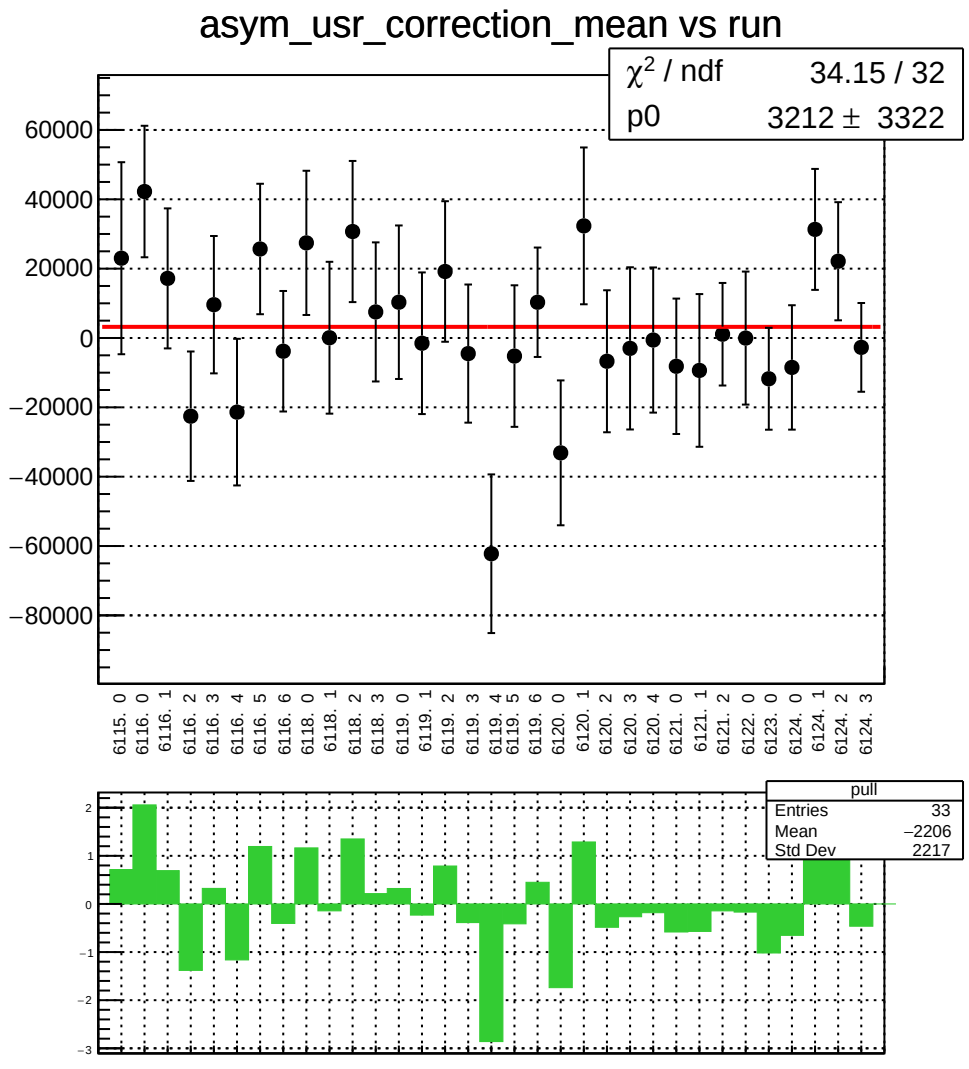

pull1D
Entries 33
Mean −0.04516
Std Dev 1.209
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

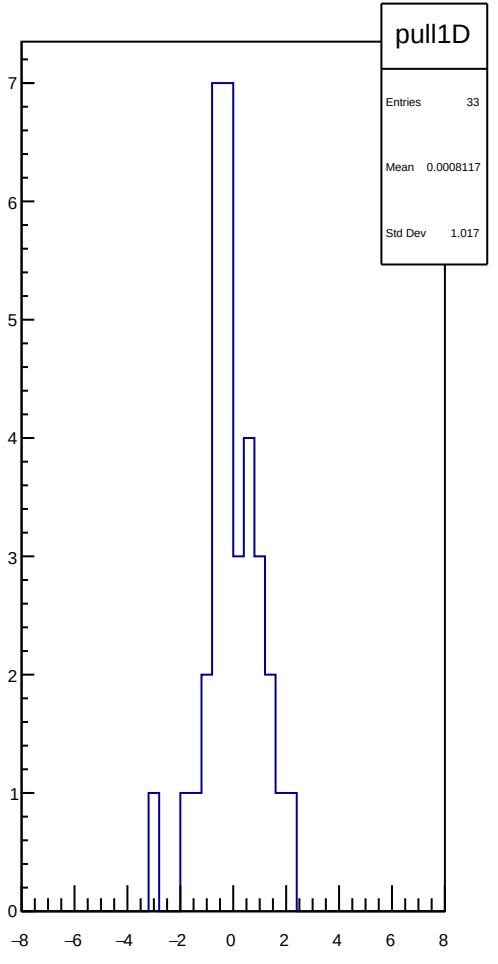

asym_usl_rms vs run
χ² / ndf 320.8 / 32
p0 1333 ± 1.649
1420
1400
1380
1360
1340
1320
1300
1280
1260
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

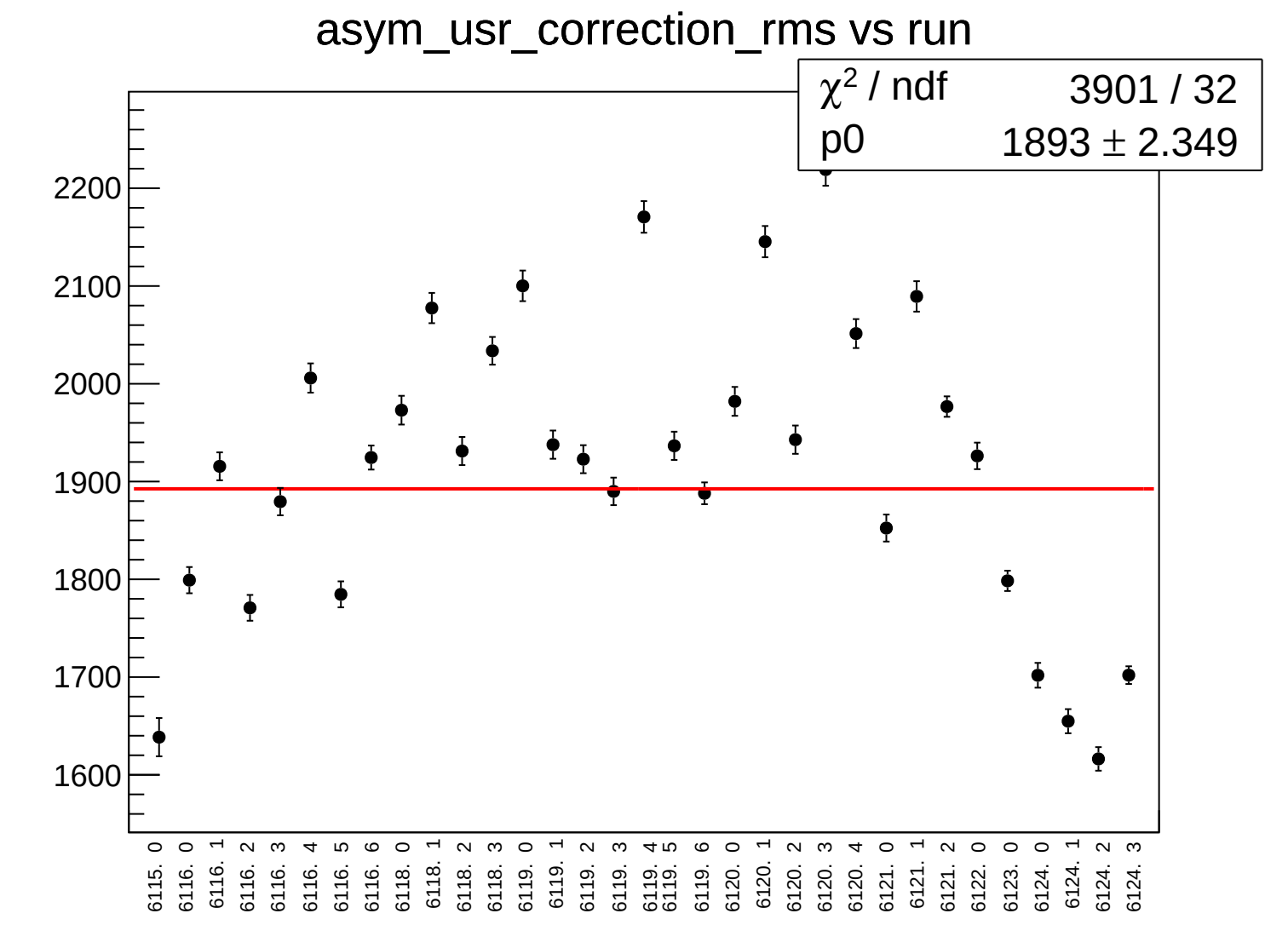

dit_asym_usr_mean vs run
χ² / ndf 33.18 / 32
p0 −2028 ± 1970
60000
40000
20000
0
−20000
−40000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −38.26
Std Dev 50.38
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

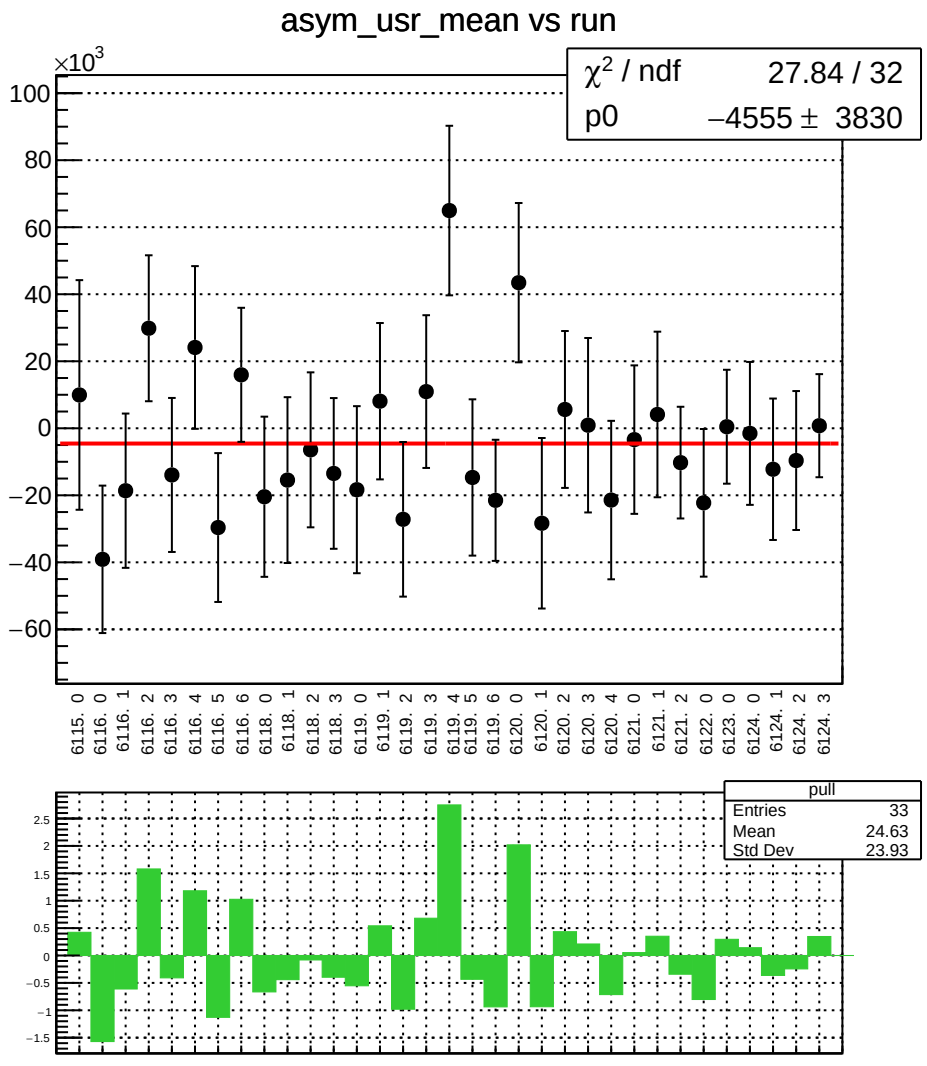

pull1D
Entries 33
Mean 0.05178
Std Dev 1.001
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

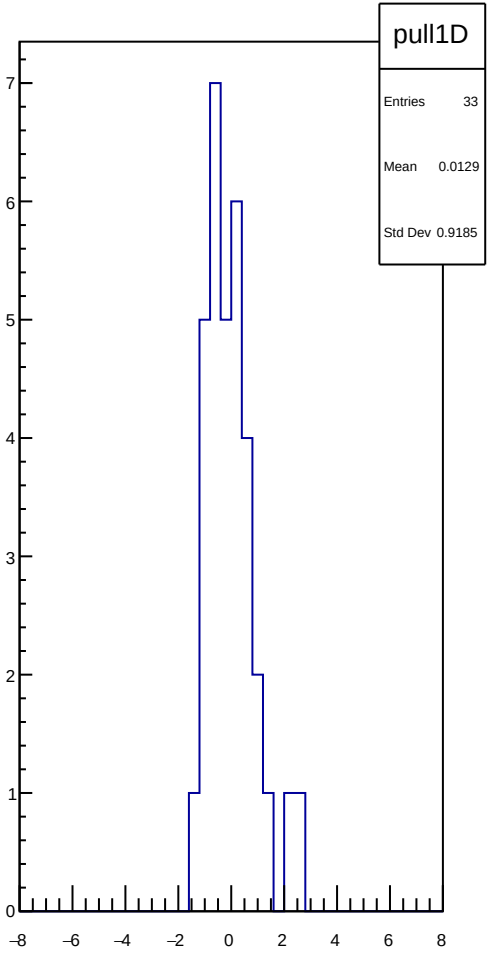

dit_asym_usr_rms vs run
χ² / ndf 315 / 32
p0 1125 ± 1.393
1180
1160
1140
1120
1100
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

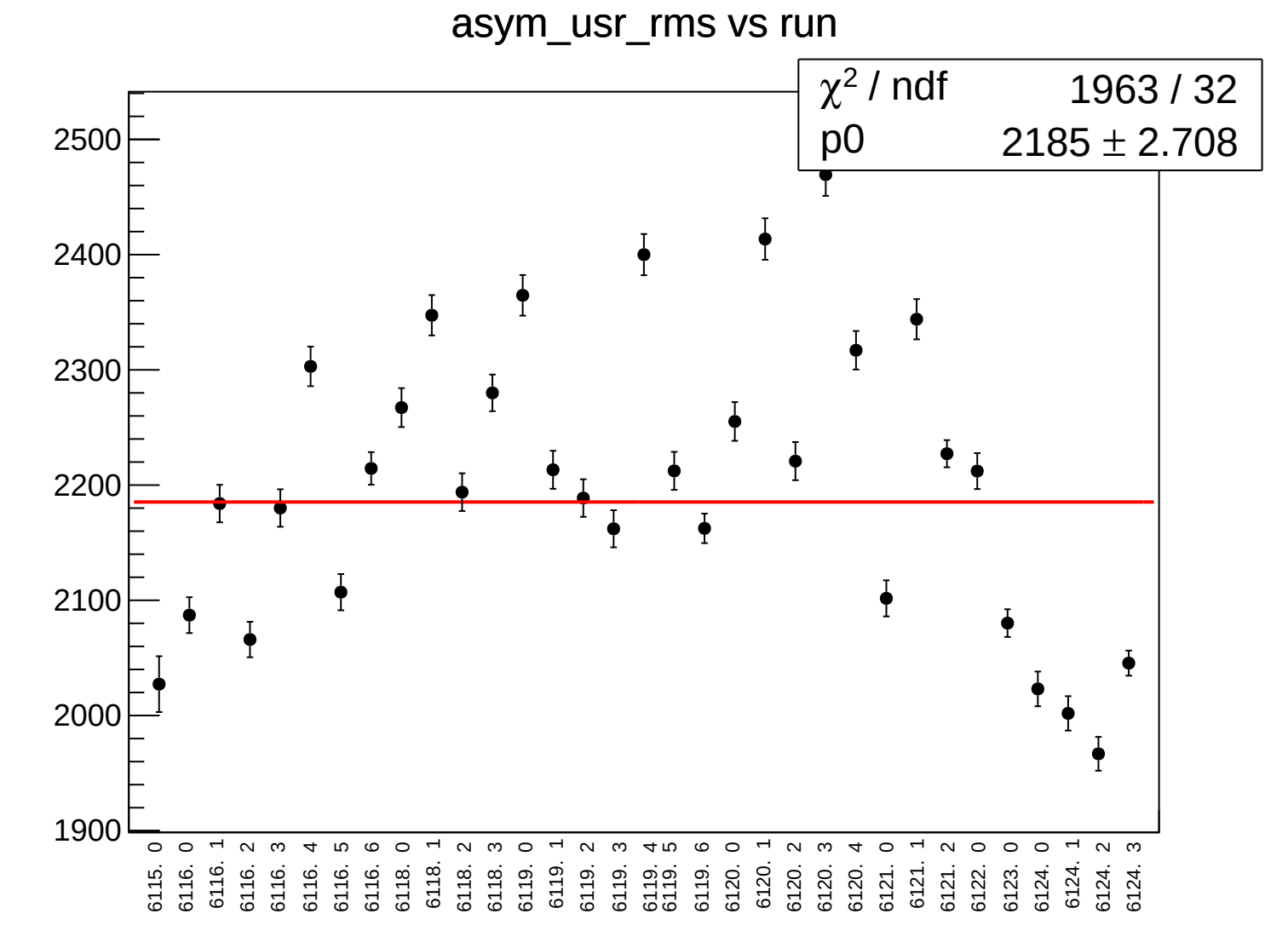

asym_usr_correction_mean vs run
χ² / ndf 34.15 / 32
p0 3212 ± 3322
60000
40000
20000
0
−20000
−40000
−60000
−80000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −2206
Std Dev 2217
2
1
0
−1
−2
−3

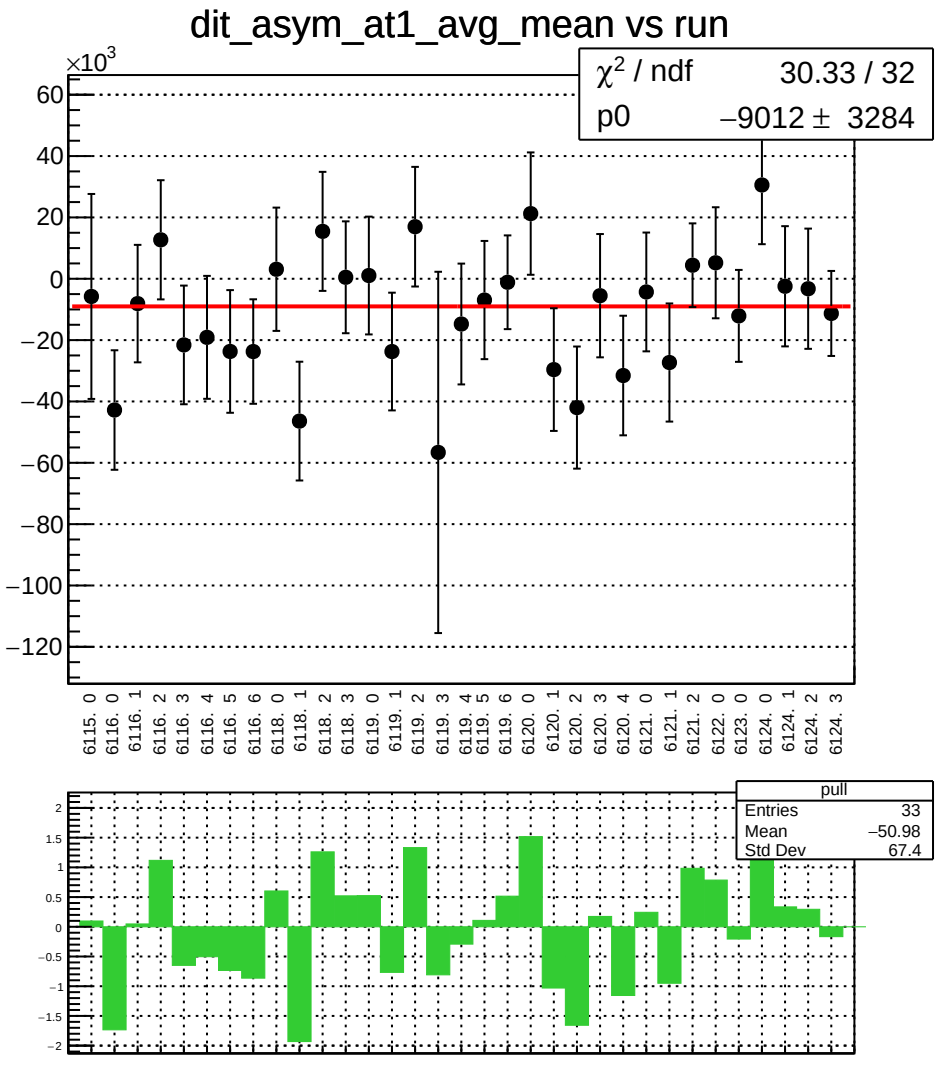

pull1D
Entries 33
Mean 0.0008117
Std Dev 1.017
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

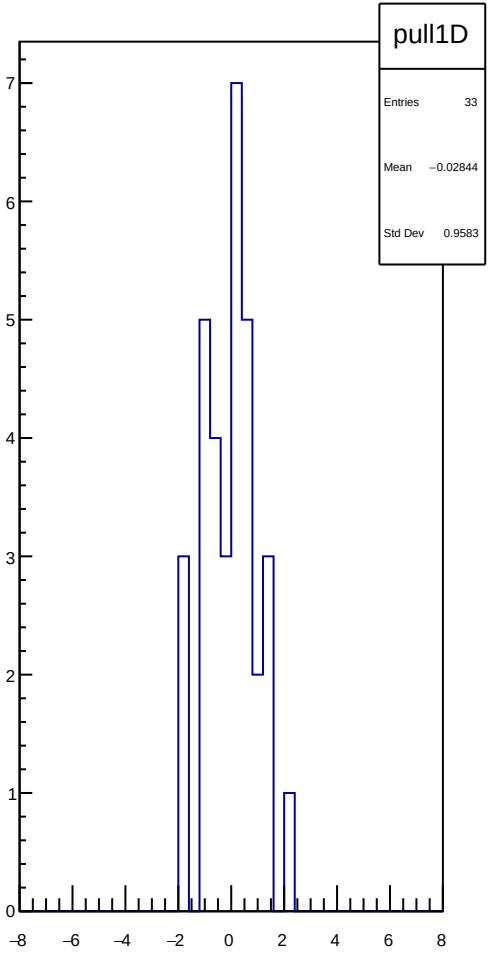

asym_usr_correction_rms vs run
χ² / ndf 3901 / 32
p0 1893 ± 2.349
2200
2100
2000
1900
1800
1700
1600
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

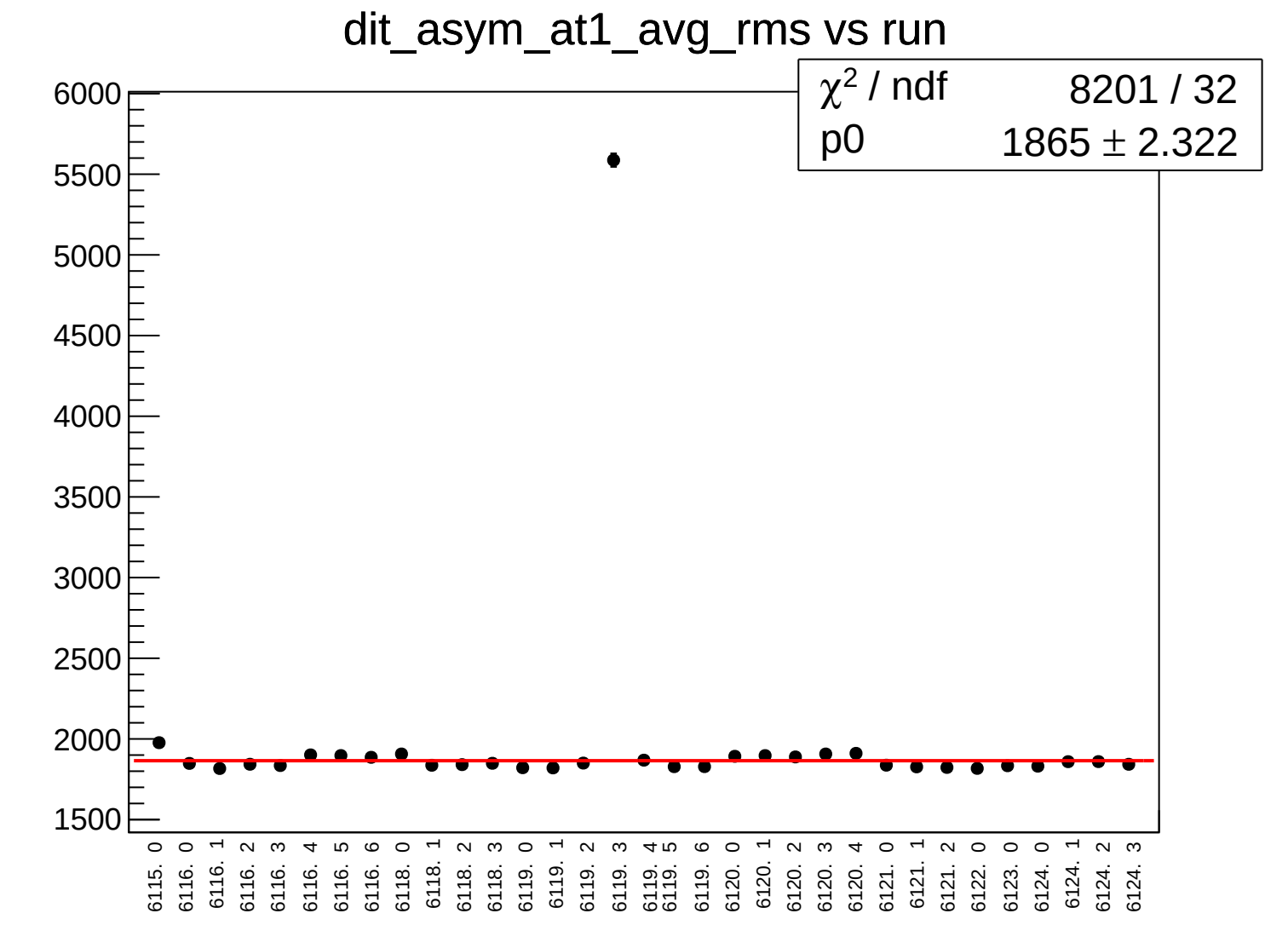

asym_usr_mean vs run
×10^3
χ^2 / ndf 27.84 / 32
p0 −4555 ± 3830
100
80
60
40
20
0
−20
−40
−60
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 24.63
Std Dev 23.93
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

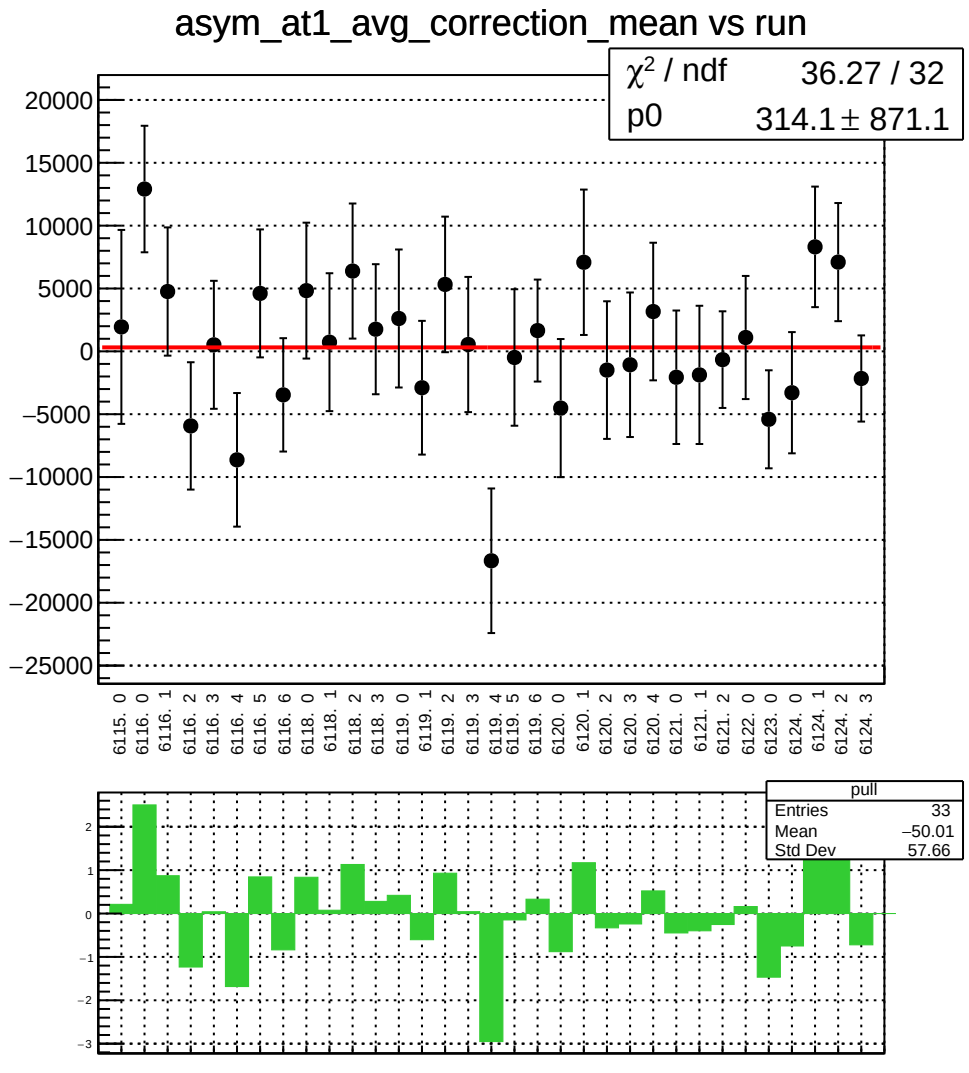

pull1D
Entries 33
Mean 0.0129
Std Dev 0.9185
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

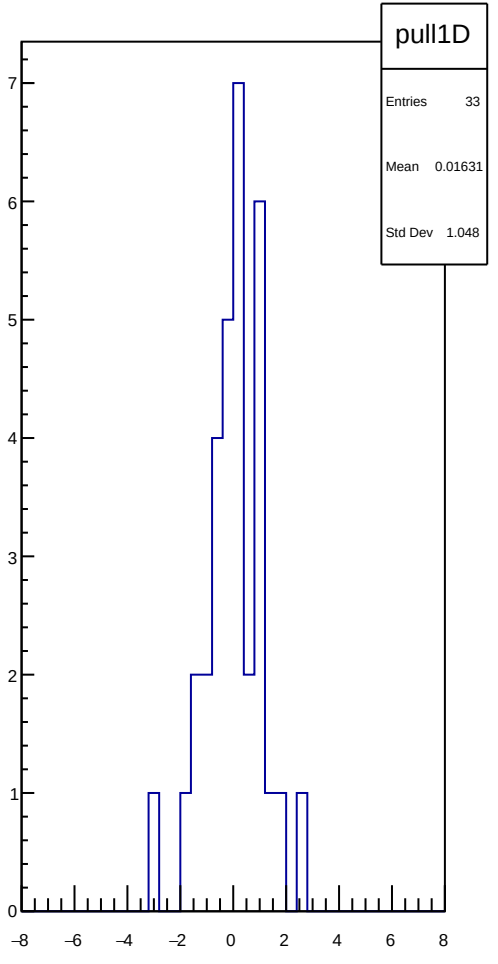

asym_usr_rms vs run
χ² / ndf 1963 / 32
p0 2185 ± 2.708
2500
2400
2300
2200
2100
2000
1900
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

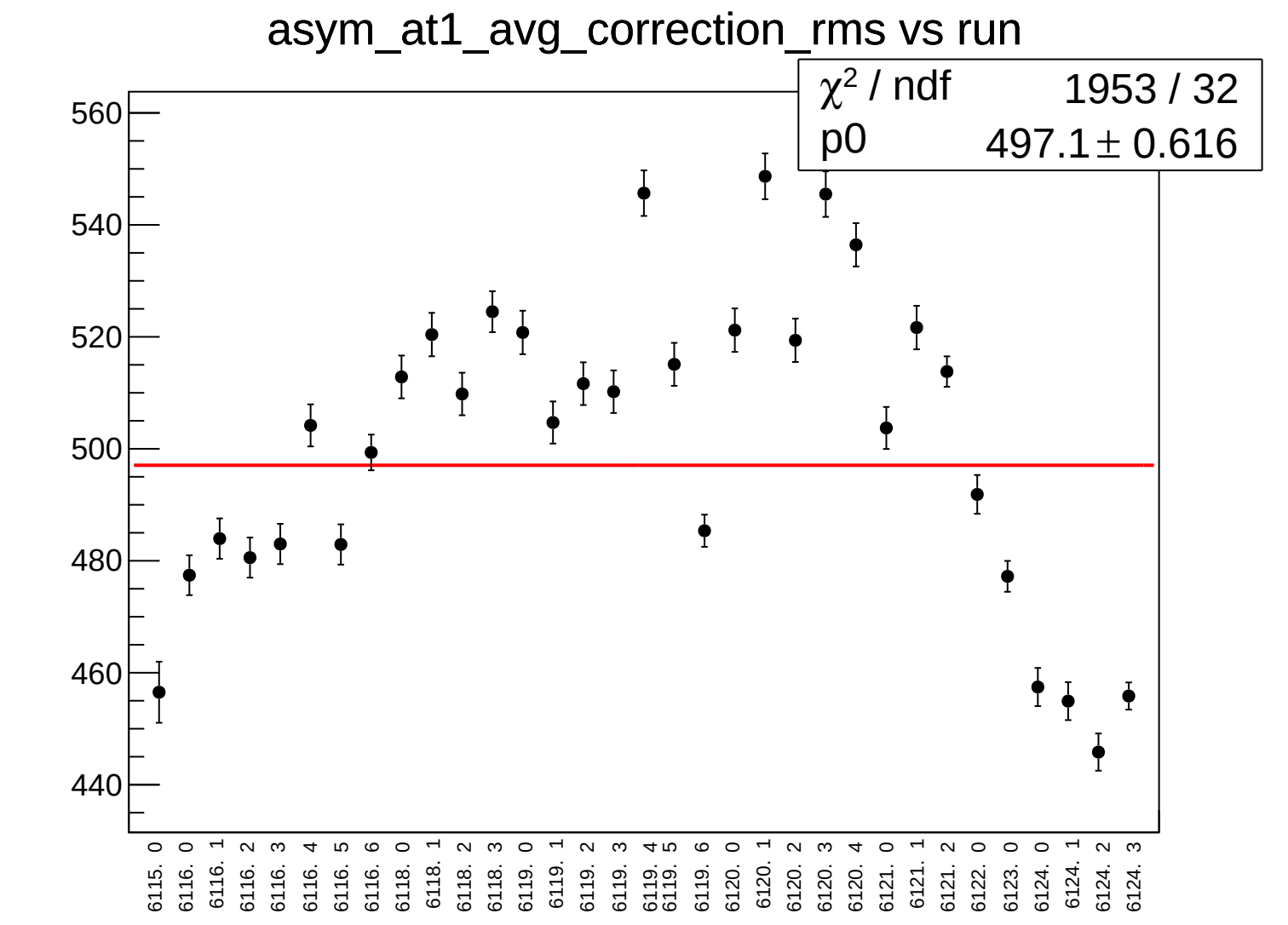

dit_asym_at1_avg_mean vs run
×10^3
χ^2 / ndf 30.33 / 32
p0 −9012 ± 3284
60
40
20
0
−20
−40
−60
−80
−100
−120
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −50.98
Std Dev 67.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

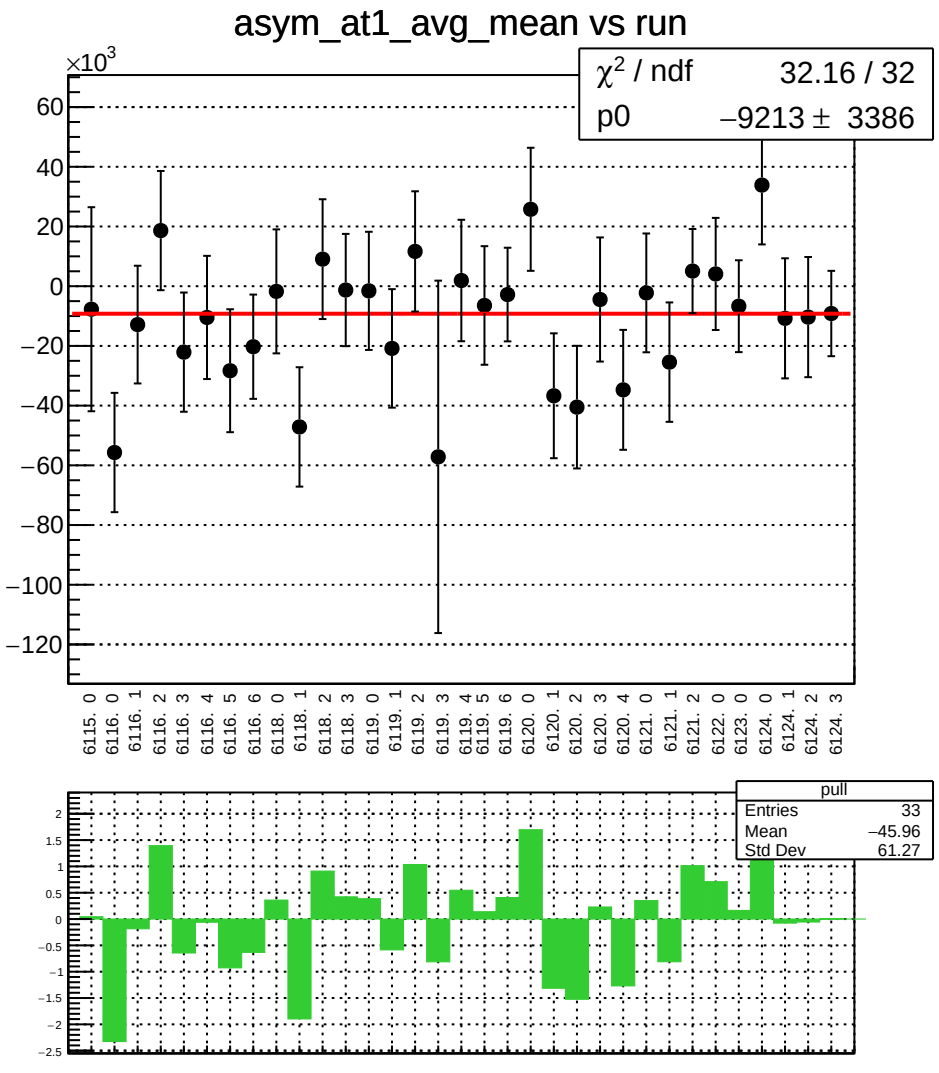

pull1D
Entries 33
Mean −0.02844
Std Dev 0.9583
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

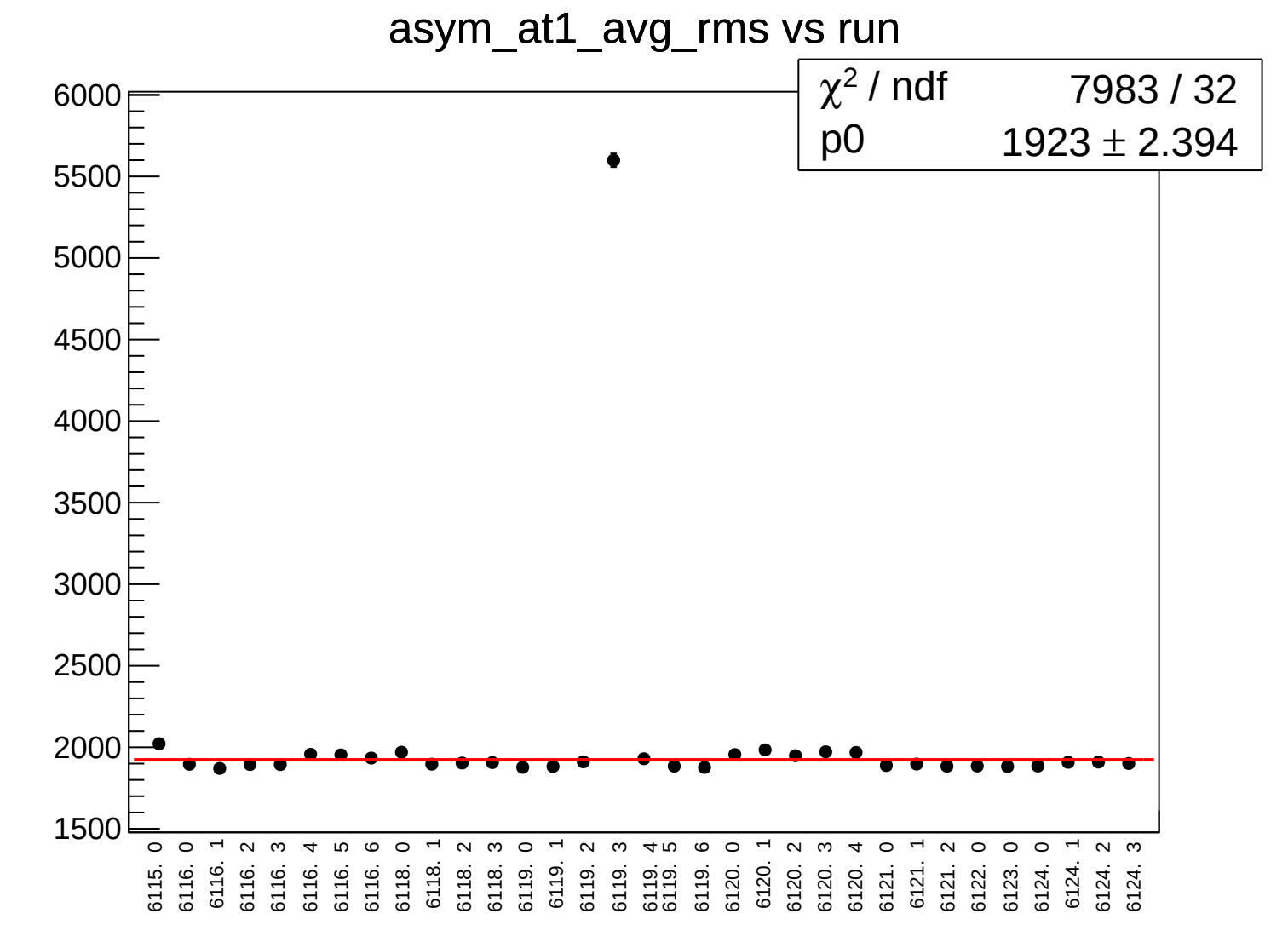

dit_asym_at1_avg_rms vs run
χ^2 / ndf 8201 / 32
p0 1865 ± 2.322
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

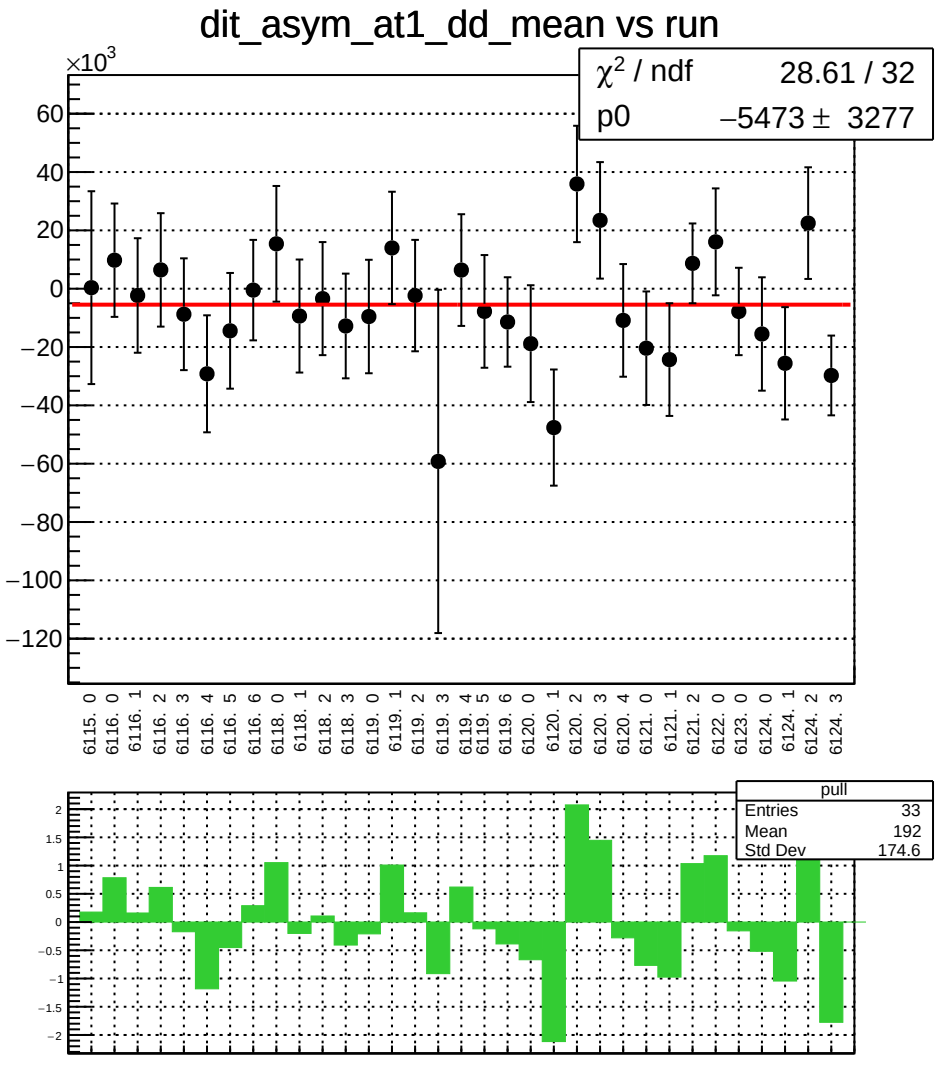

asym_at1_avg_correction_mean vs run
χ² / ndf 36.27 / 32
p0 314.1 ± 871.1
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −50.01
Std Dev 57.66
2
1
0
−1
−2
−3

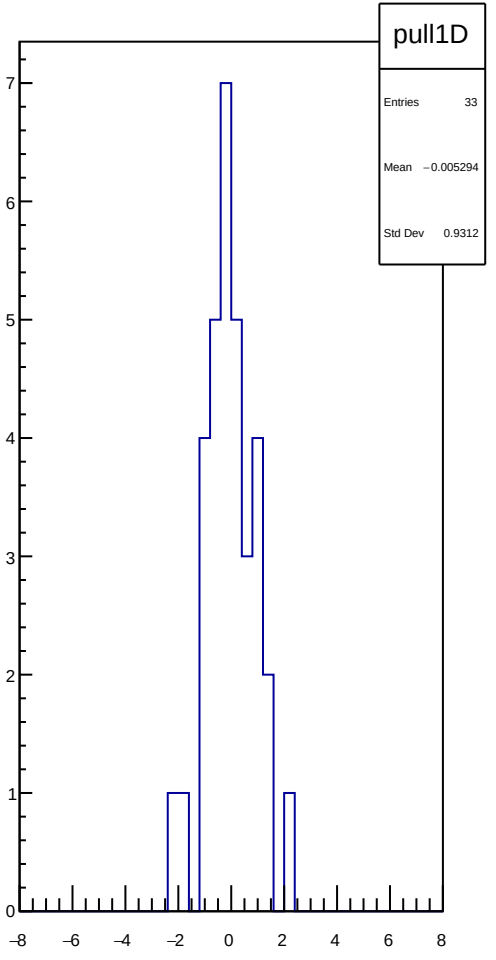

pull1D
Entries 33
Mean 0.01631
Std Dev 1.048
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

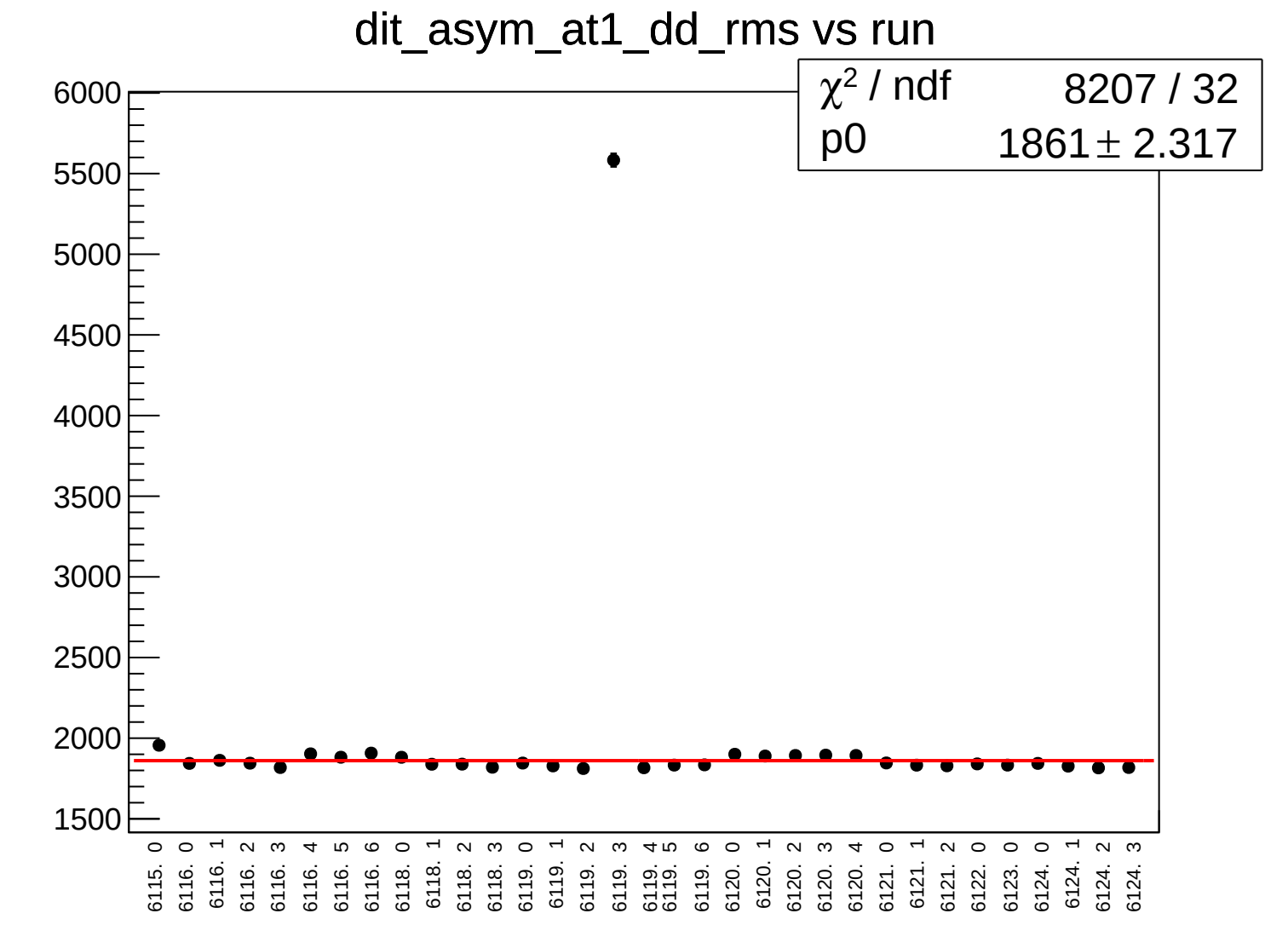

asym_at1_avg_correction_rms vs run
χ² / ndf 1953 / 32
p0 497.1 ± 0.616
560
540
520
500
480
460
440
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

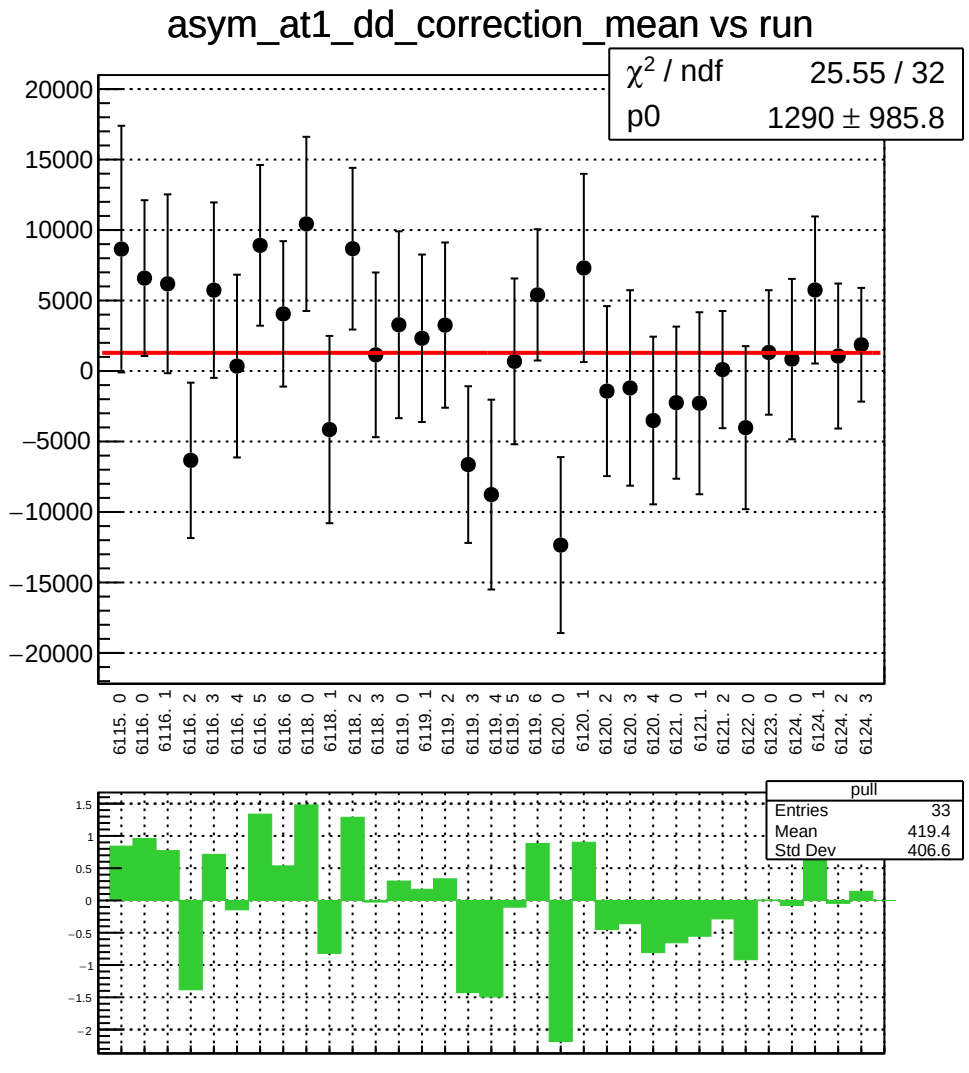

asym_at1_avg_mean vs run
×10^3
χ² / ndf 32.16 / 32
p0 −9213 ± 3386
60
40
20
0
−20
−40
−60
−80
−100
−120
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −45.96
Std Dev 61.27
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean −0.03454
Std Dev 0.9866
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

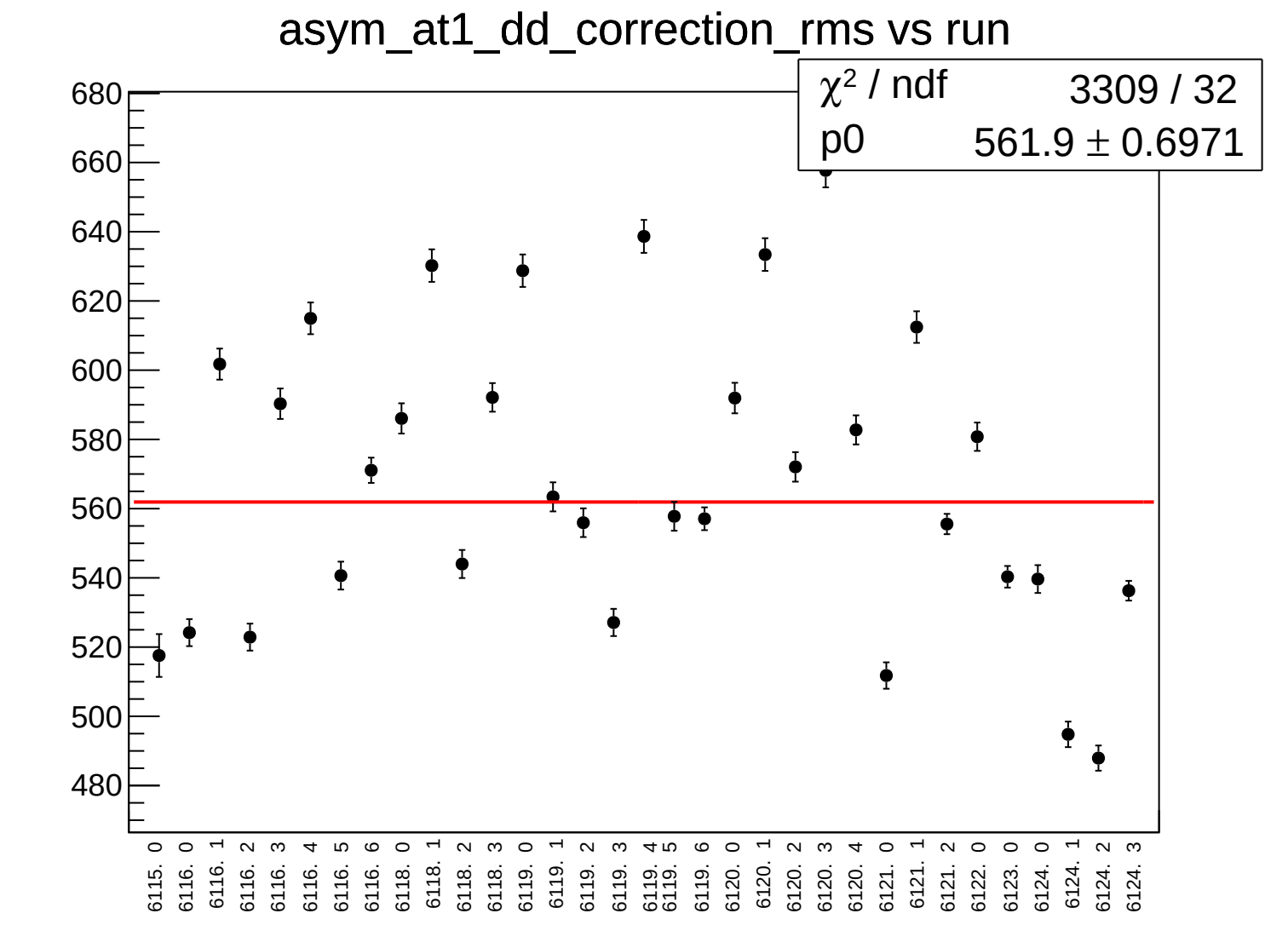

asym_at1_avg_rms vs run
χ² / ndf 7983 / 32
p0 1923 ± 2.394
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

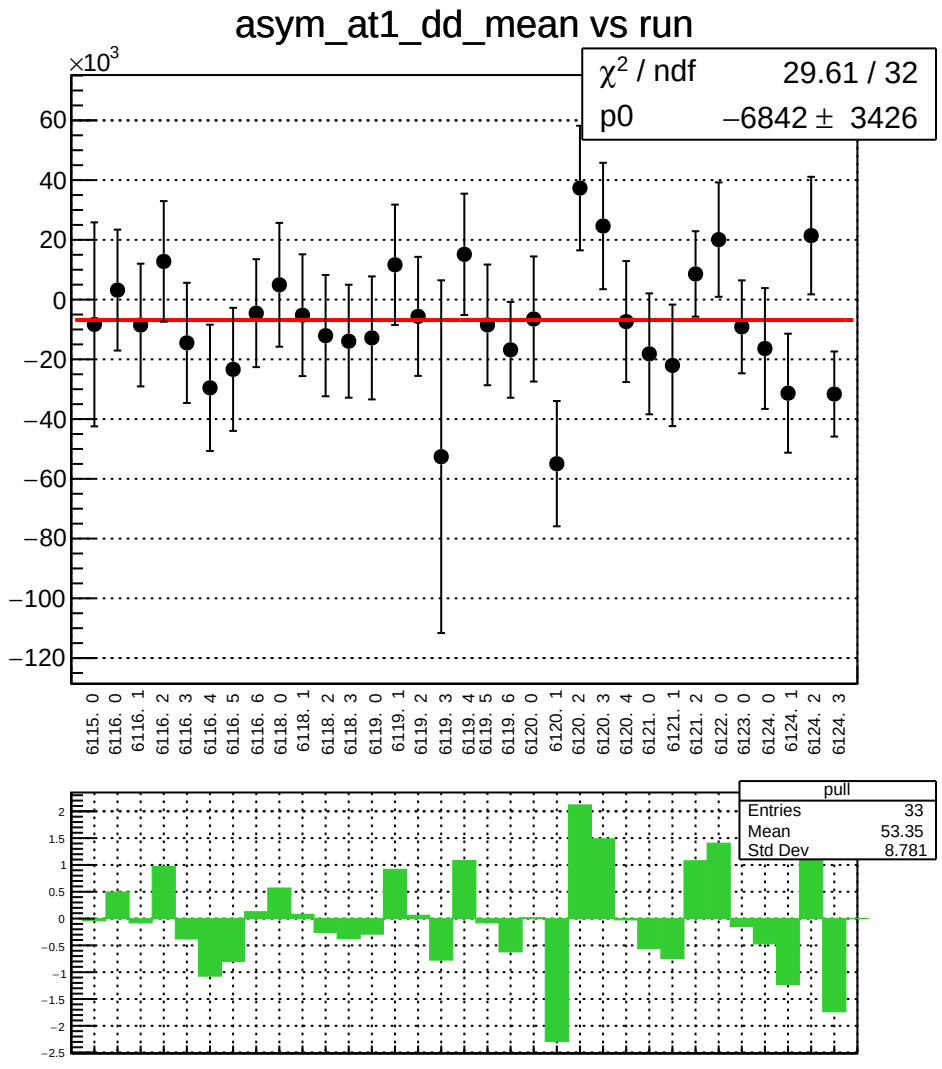

dit_asym_at1_dd_mean vs run
×10^3
χ^2 / ndf 28.61 / 32
p0 −5473 ± 3277
60
40
20
0
−20
−40
−60
−80
−100
−120
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 192
Std Dev 174.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

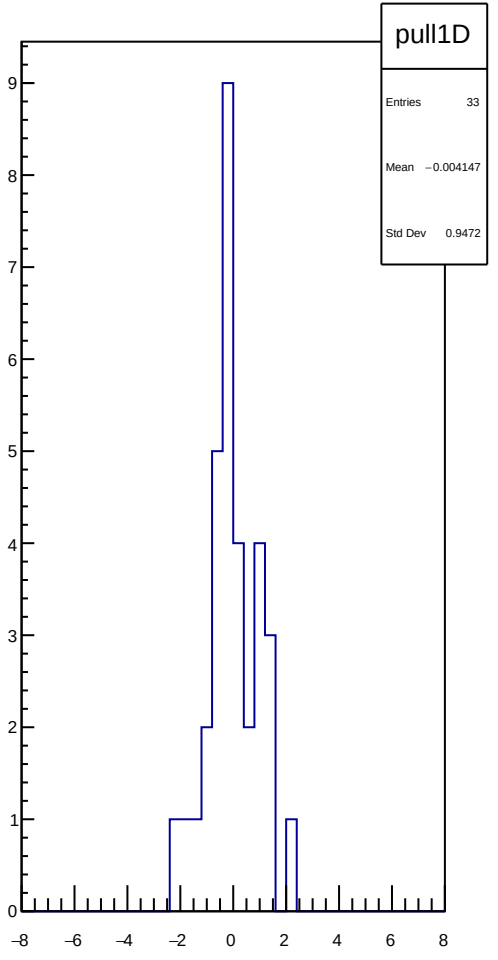

pull1D
Entries 33
Mean −0.005294
Std Dev 0.9312
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

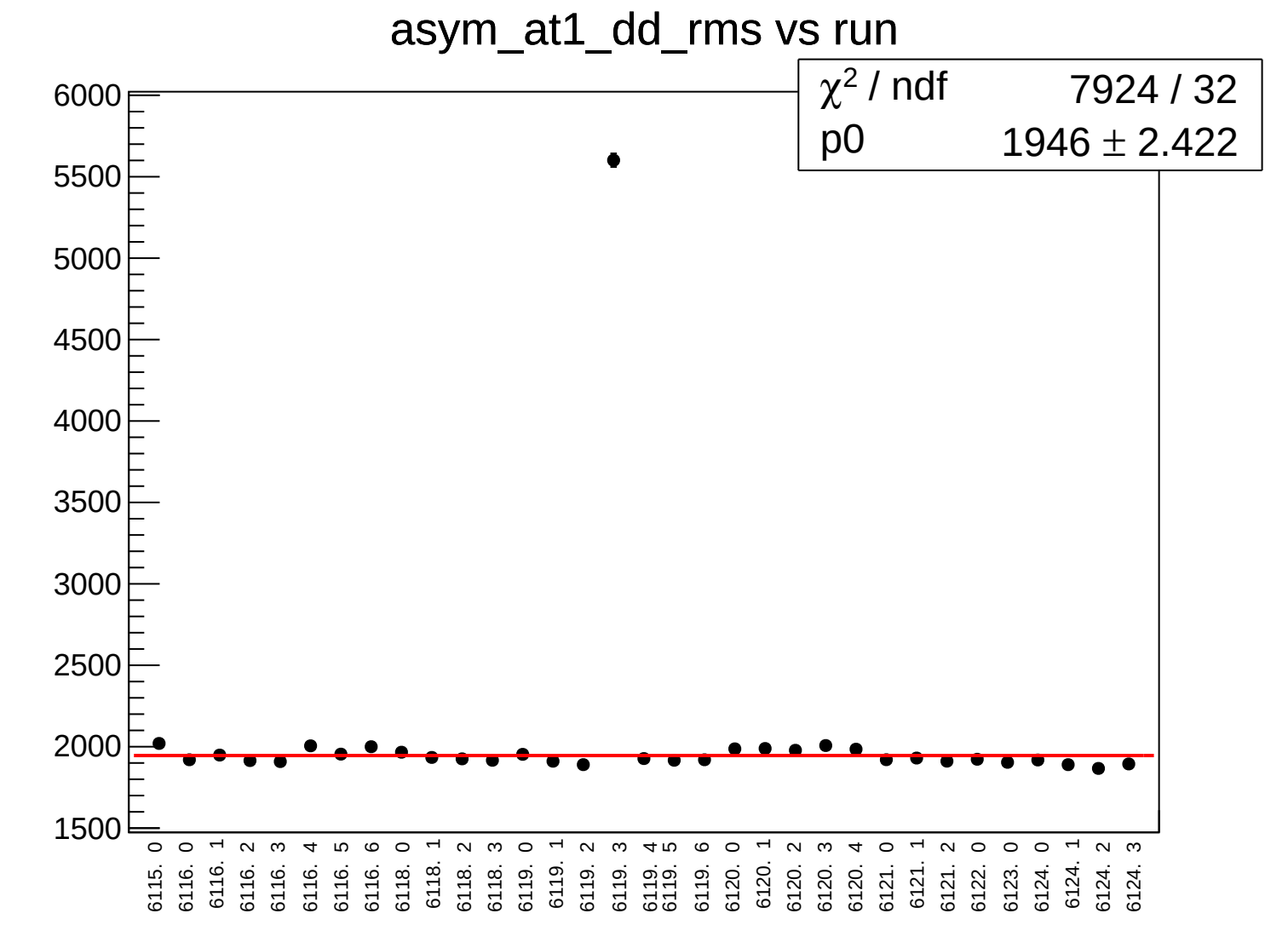

dit_asym_at1_dd_rms vs run
χ² / ndf 8207 / 32
p0 1861 ± 2.317
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

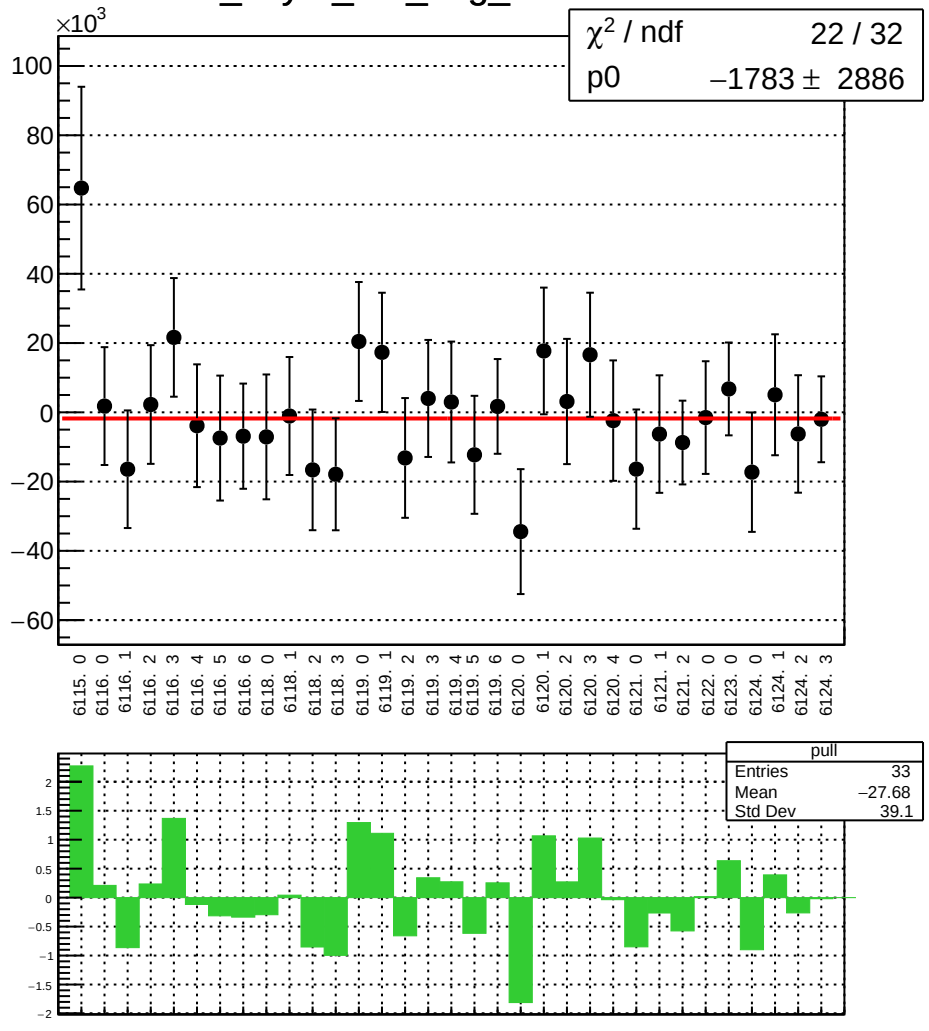

asym_at1_dd_correction_mean vs run
χ² / ndf 25.55 / 32
p0 1290 ± 985.8
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 419.4
Std Dev 406.6
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.006199
Std Dev 0.8799
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

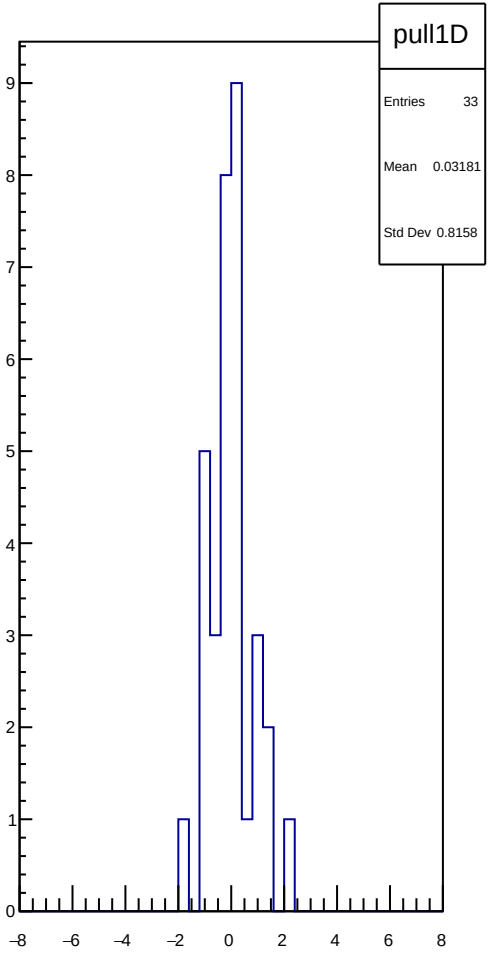

asym_at1_dd_correction_rms vs run
χ² / ndf 3309 / 32
p0 561.9 ± 0.6971
680
660
640
620
600
580
560
540
520
500
480
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

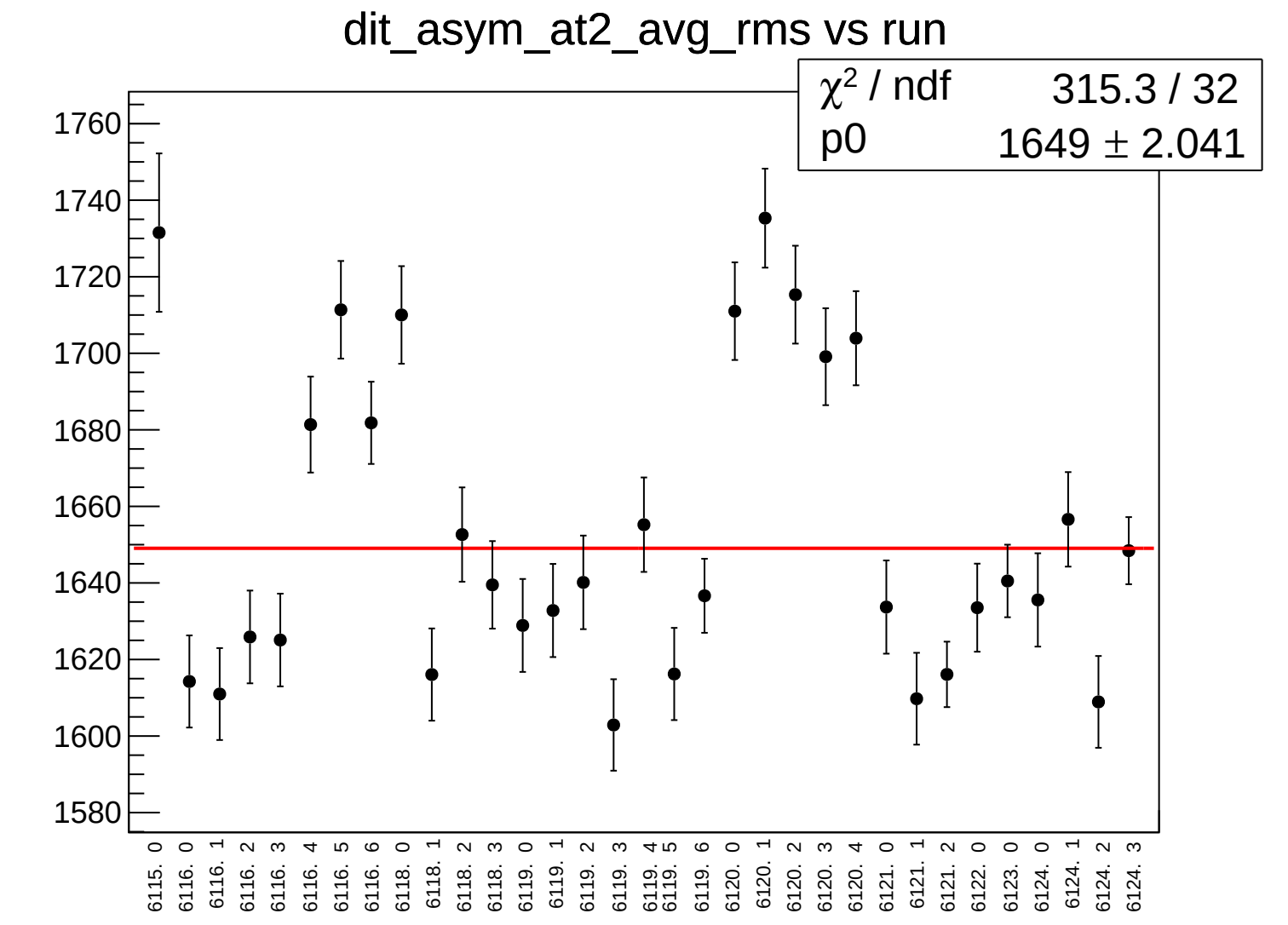

asym_at1_dd_mean vs run
×10^3
χ^2 / ndf 29.61 / 32
p0 −6842 ± 3426
60
40
20
0
−20
−40
−60
−80
−100
−120
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 53.35
Std Dev 8.781
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

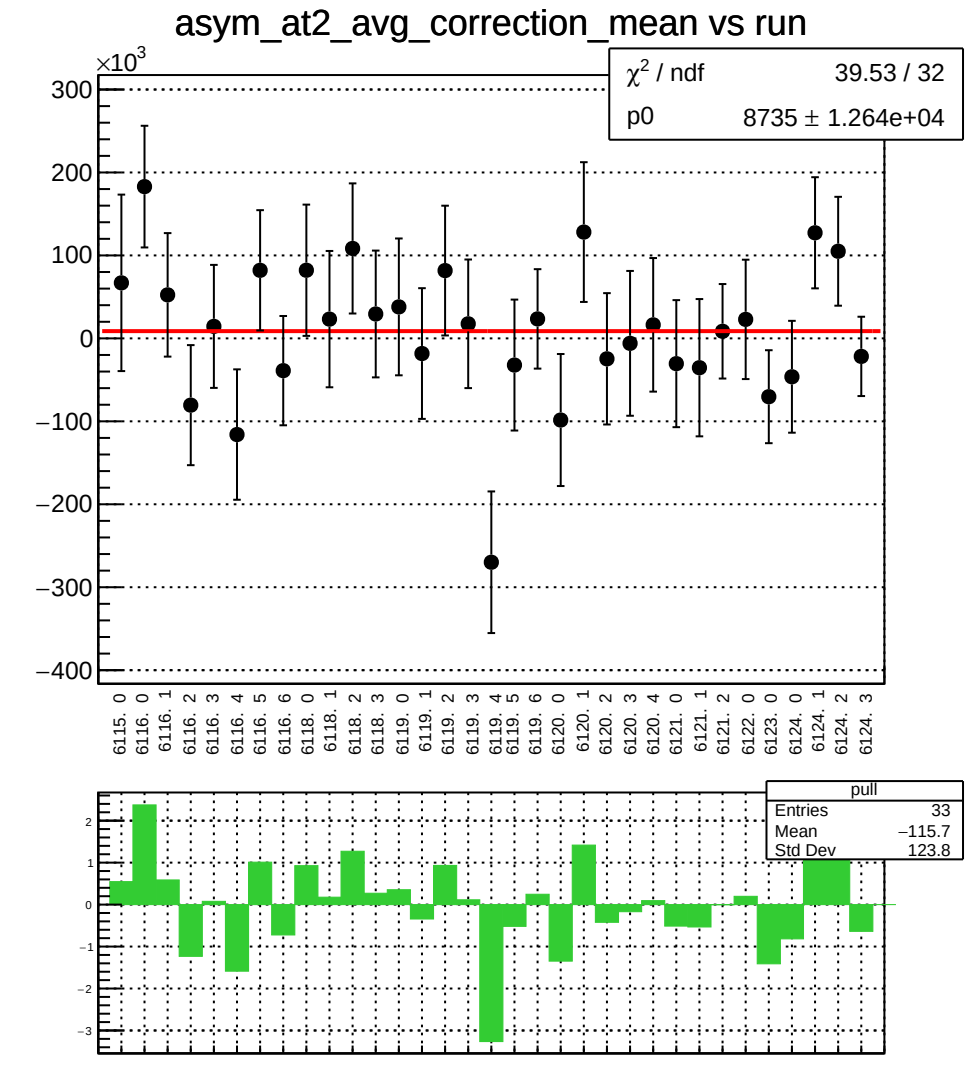

pull1D
Entries 33
Mean −0.004147
Std Dev 0.9472
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

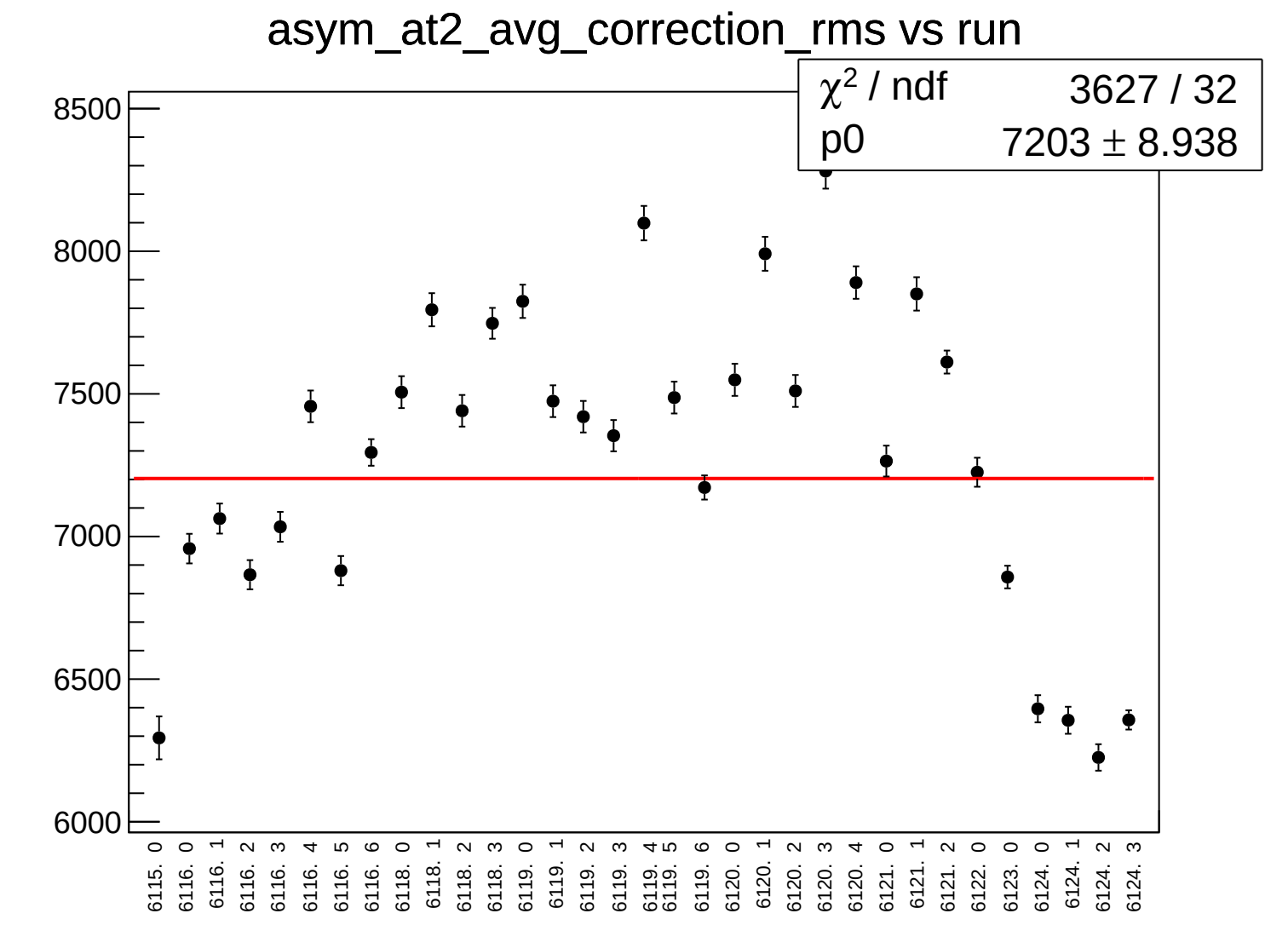

asym_at1_dd_rms vs run
χ² / ndf 7924 / 32
p0 1946 ± 2.422
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

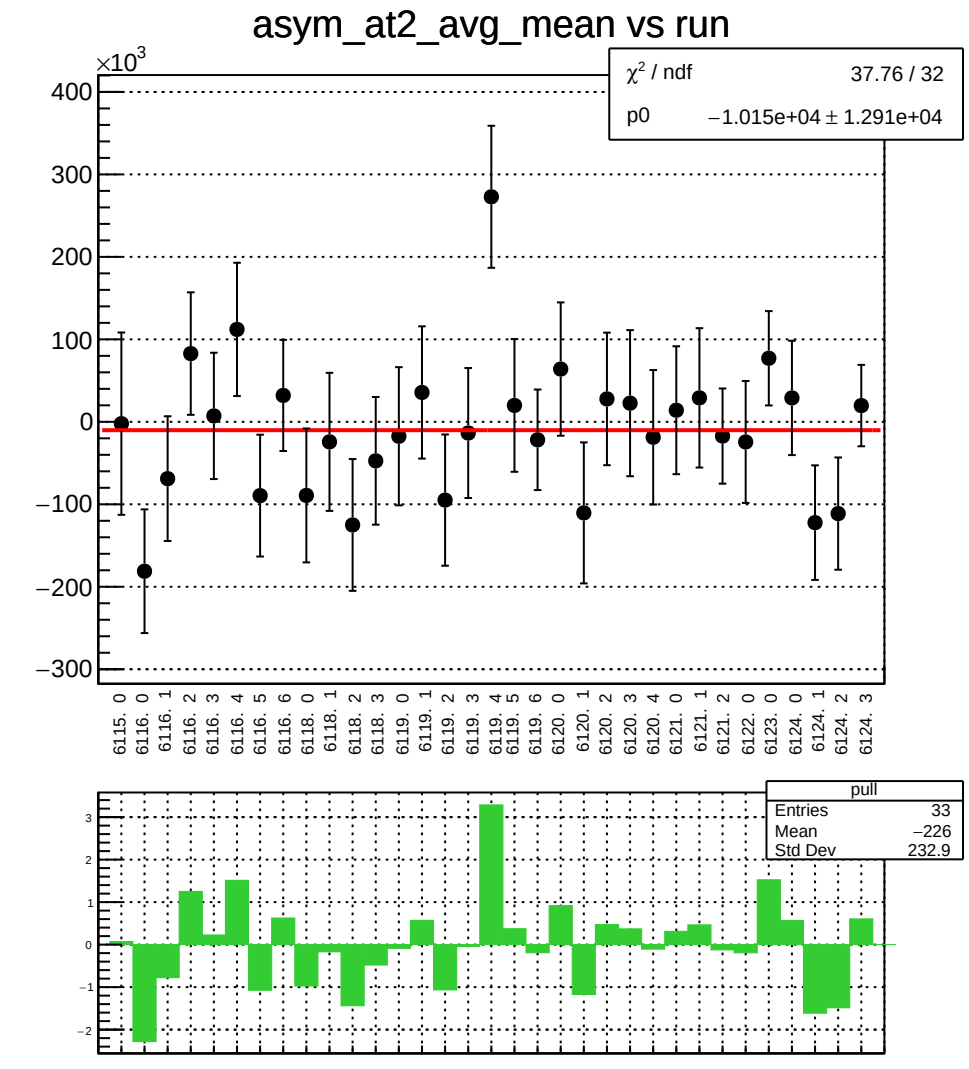

dit_asym_at2_avg_mean vs run
×10^3
χ² / ndf 22 / 32
p0 −1783 ± 2886
100
80
60
40
20
0
−20
−40
−60
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −27.68
Std Dev 39.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

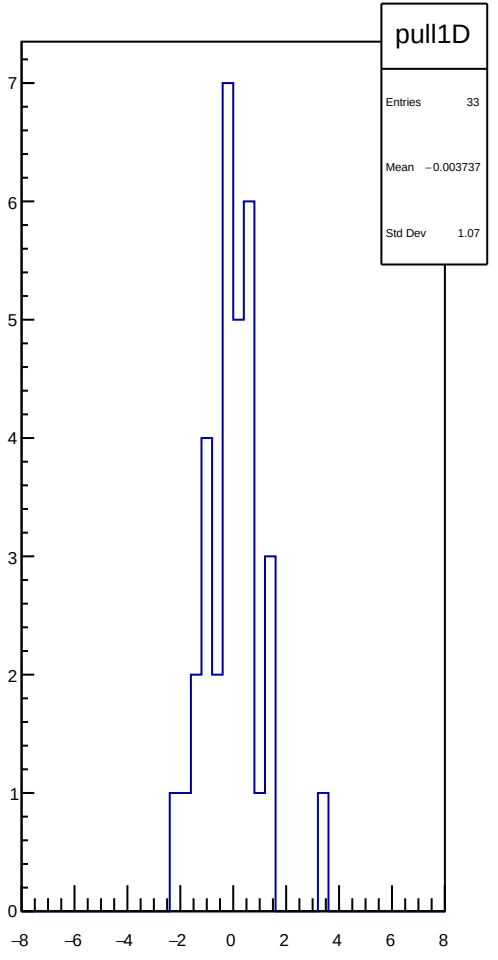

pull1D
Entries 33
Mean 0.03181
Std Dev 0.8158
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

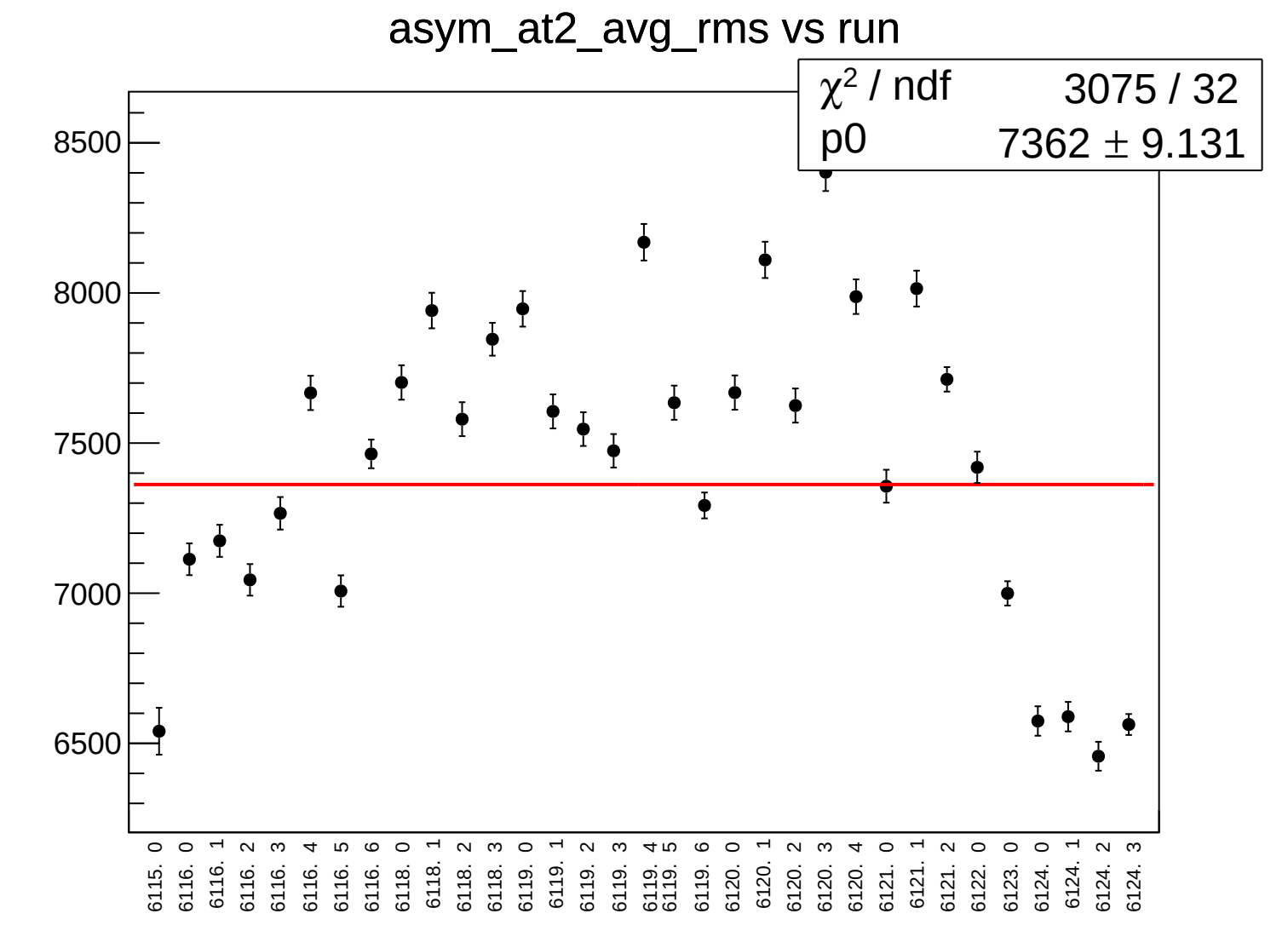

dit_asym_at2_avg_rms vs run
χ² / ndf 315.3 / 32
p0 1649 ± 2.041
1760
1740
1720
1700
1680
1660
1640
1620
1600
1580
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

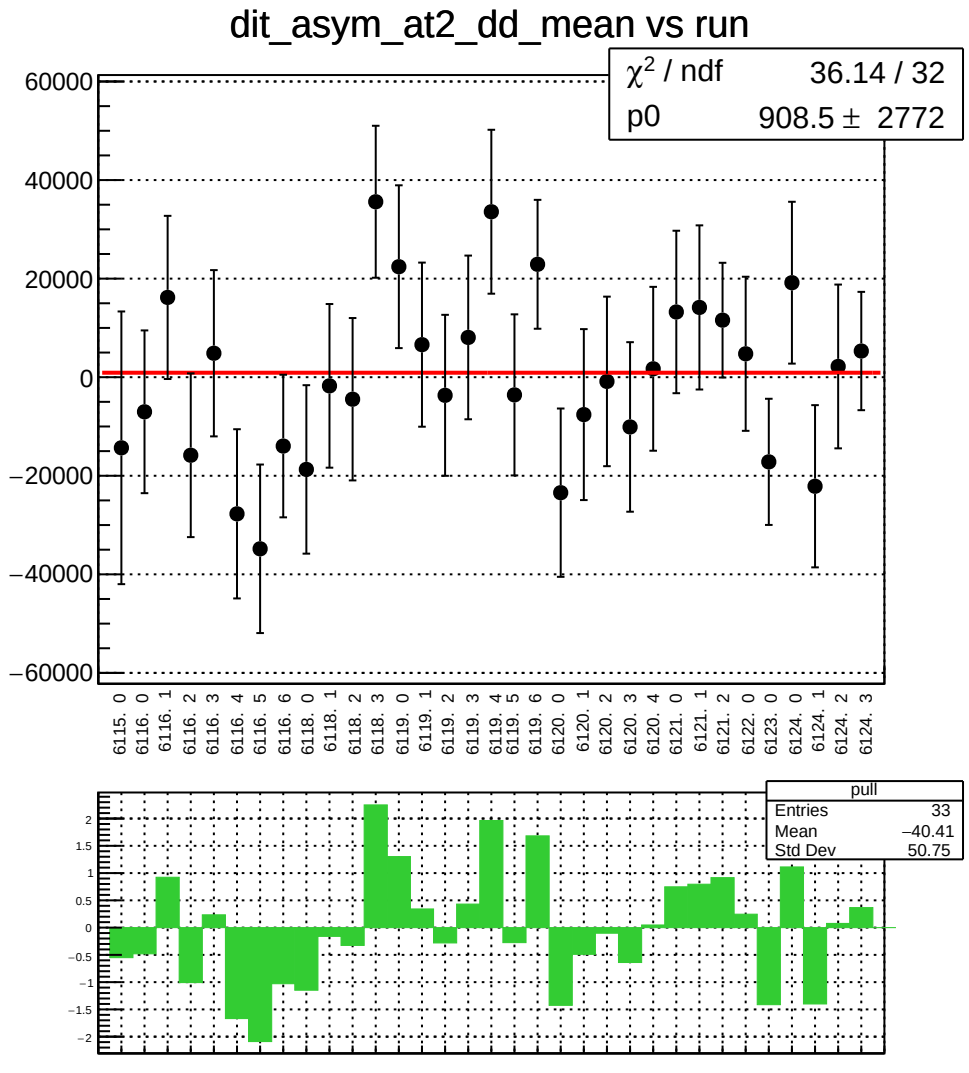

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 39.53 / 32
p0 8735 ± 1.264e+04
300
200
100
0
−100
−200
−300
−400
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −115.7
Std Dev 123.8
2
1
0
−1
−2
−3
pull1D
Entries 33
Mean 0.009678
Std Dev 1.094
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

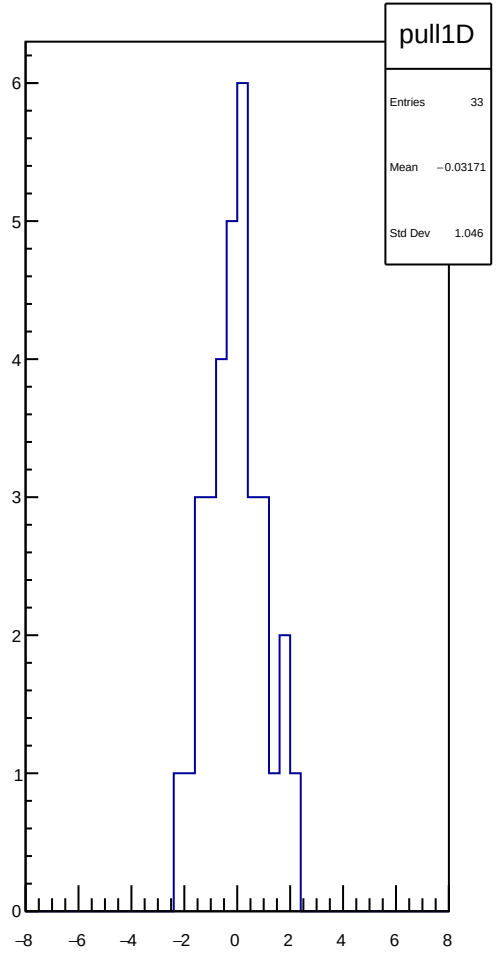

asym_at2_avg_correction_rms vs run
χ² / ndf 3627 / 32
p0 7203 ± 8.938
8500
8000
7500
7000
6500
6000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

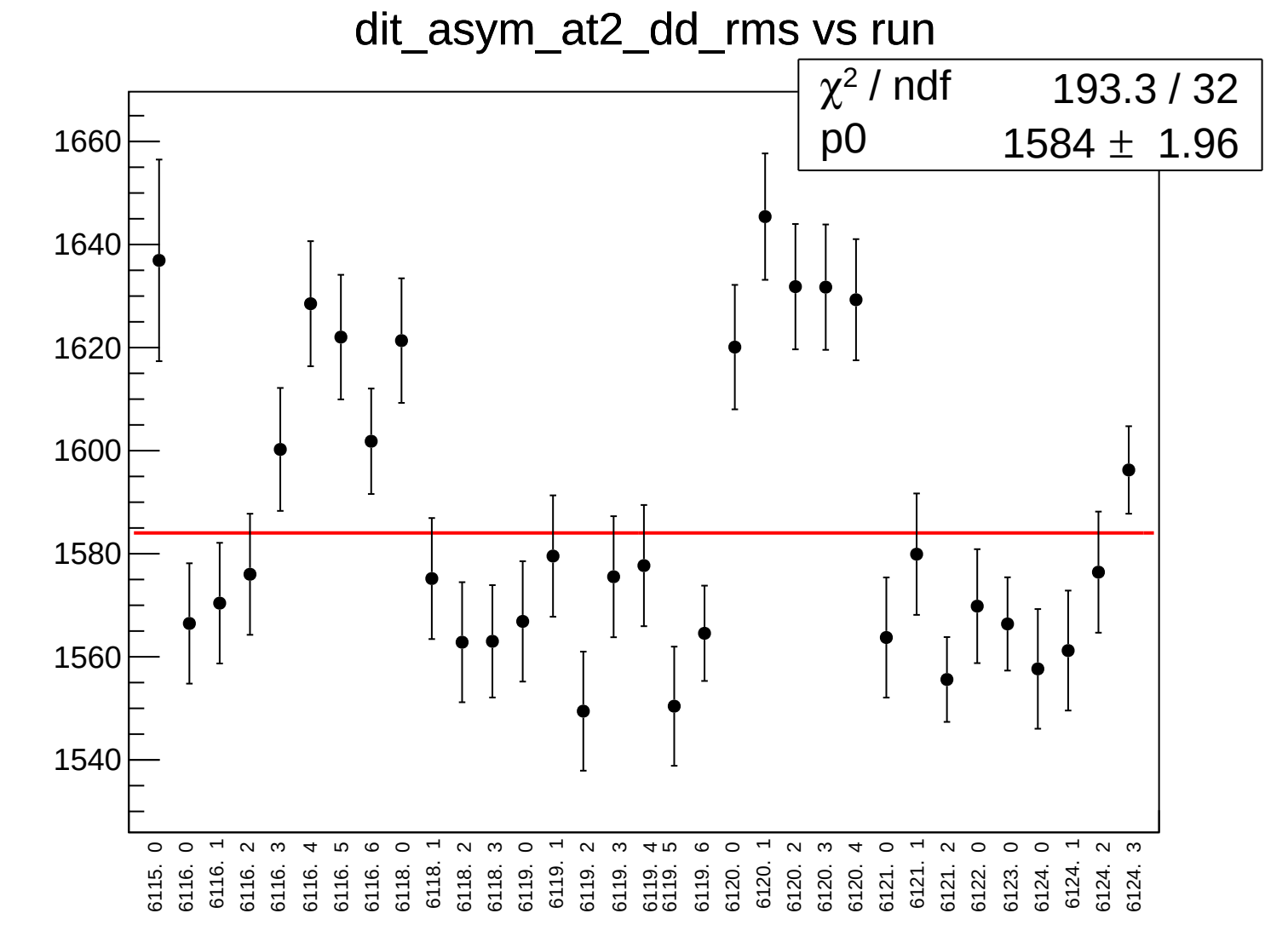

asym_at2_avg_mean vs run
×10^3
χ² / ndf 37.76 / 32
p0 −1.015e+04 ± 1.291e+04
400
300
200
100
0
−100
−200
−300
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −226
Std Dev 232.9
3
2
1
0
−1
−2

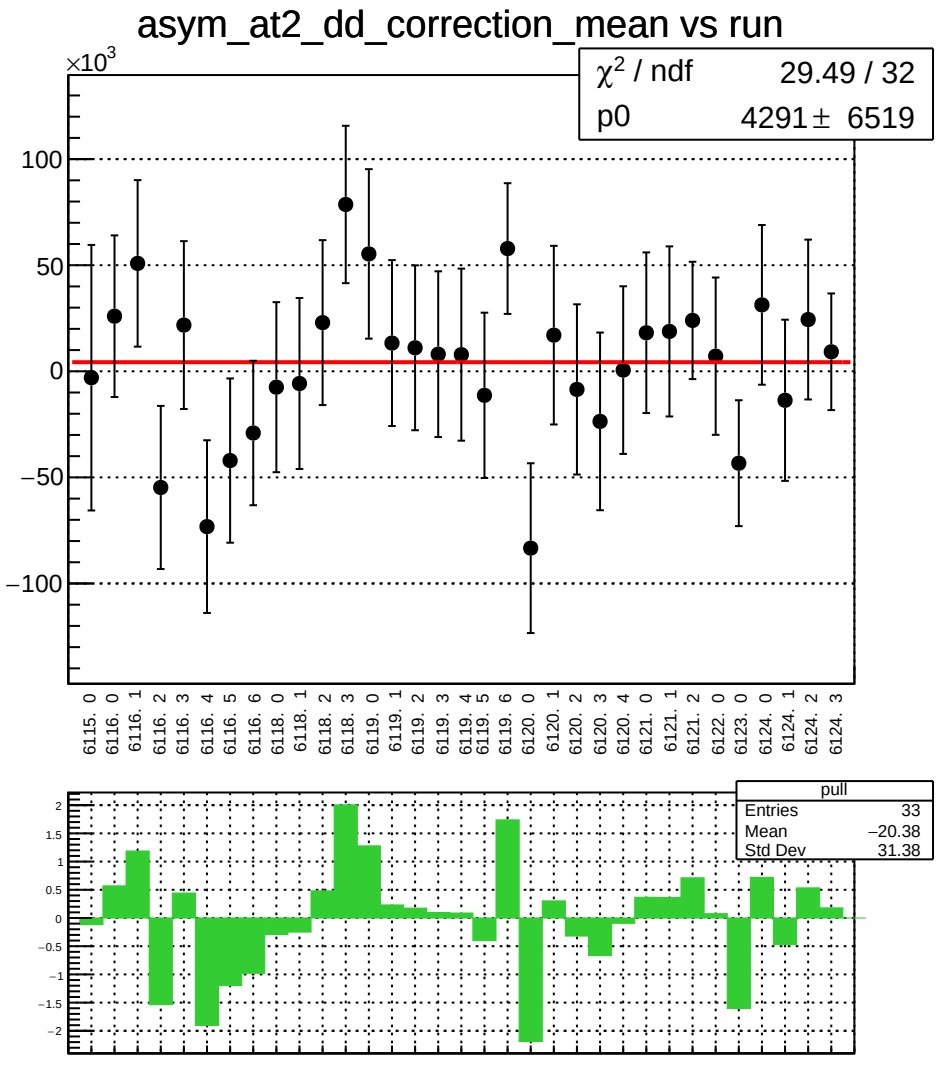

pull1D
Entries 33
Mean −0.003737
Std Dev 1.07
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

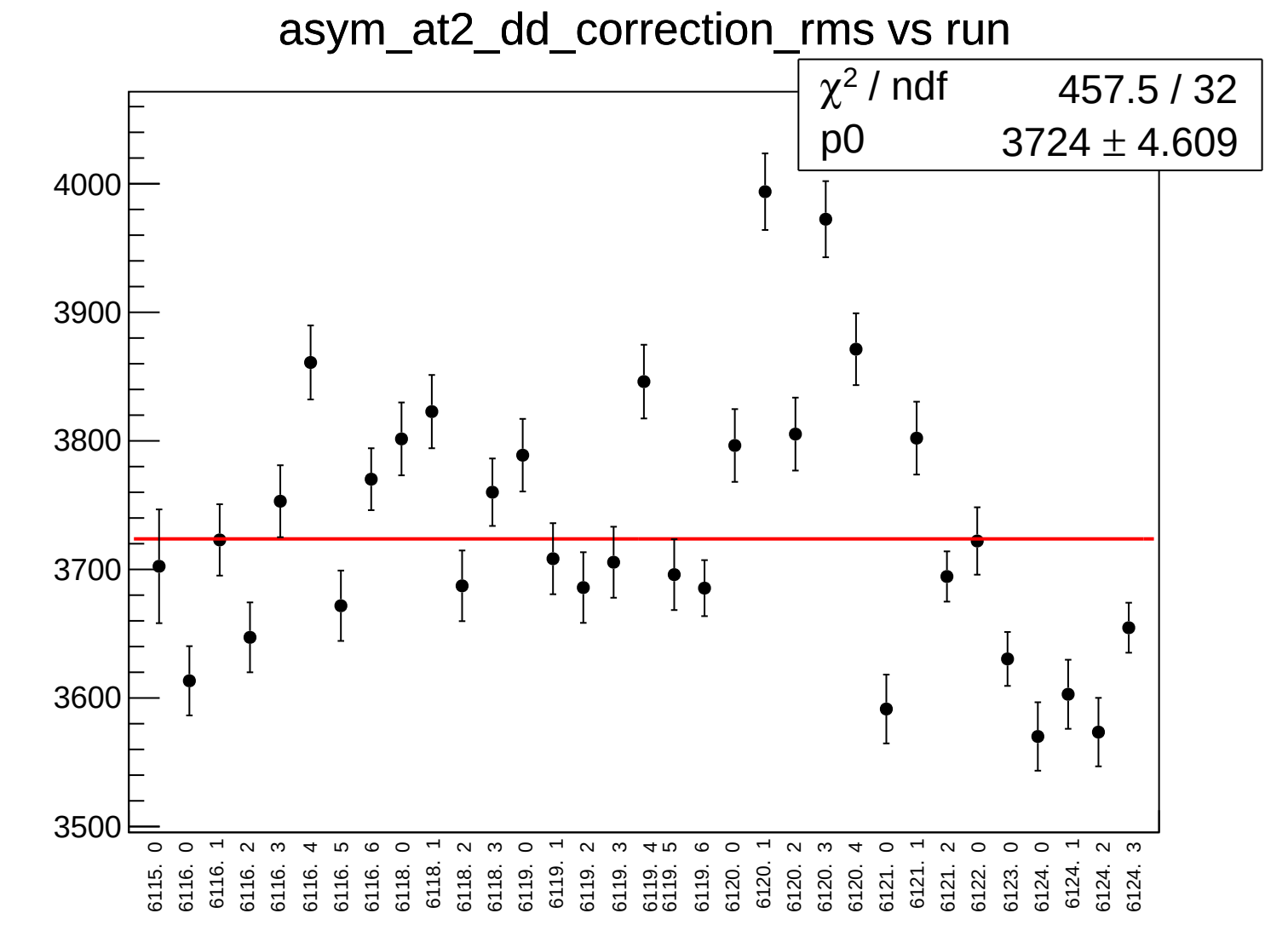

asym_at2_avg_rms vs run
χ² / ndf 3075 / 32
p0 7362 ± 9.131
8500
8000
7500
7000
6500
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

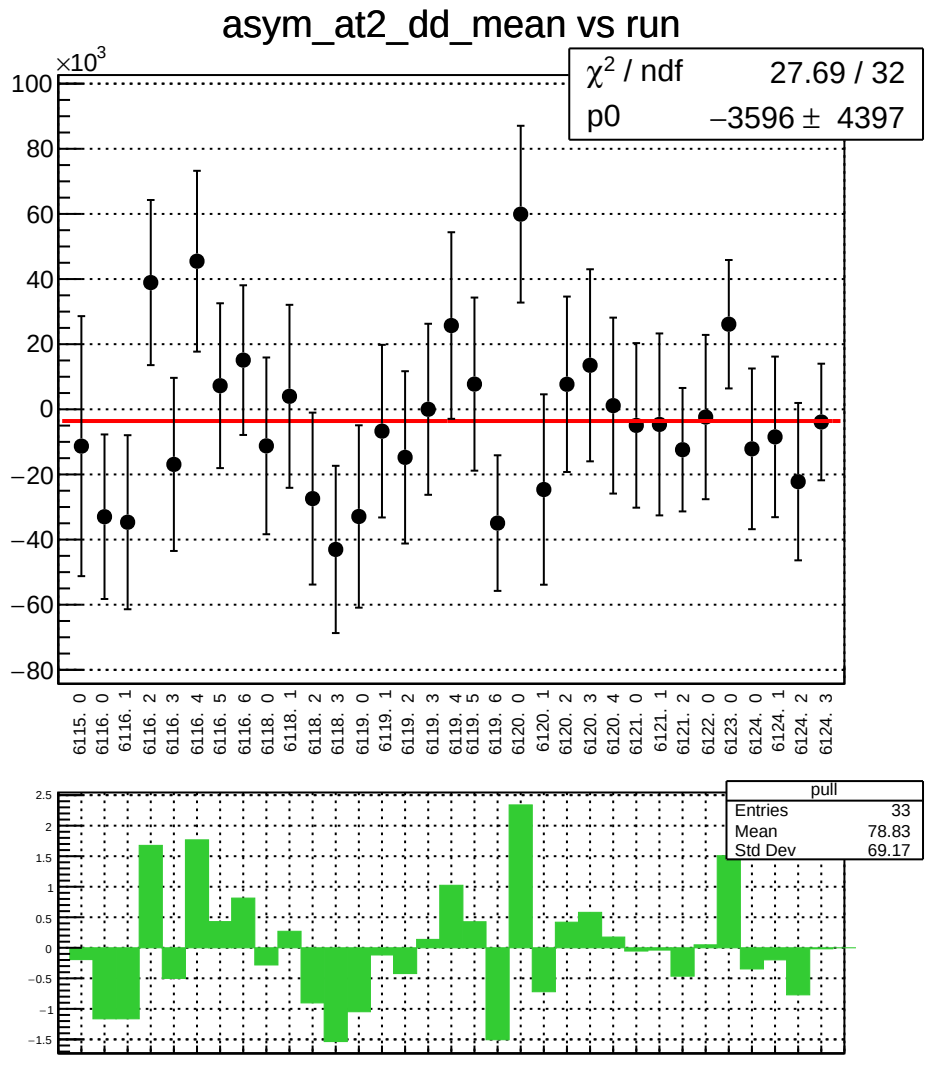

dit_asym_at2_dd_mean vs run
χ² / ndf 36.14 / 32
p0 908.5 ± 2772
60000
40000
20000
0
−20000
−40000
−60000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −40.41
Std Dev 50.75
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

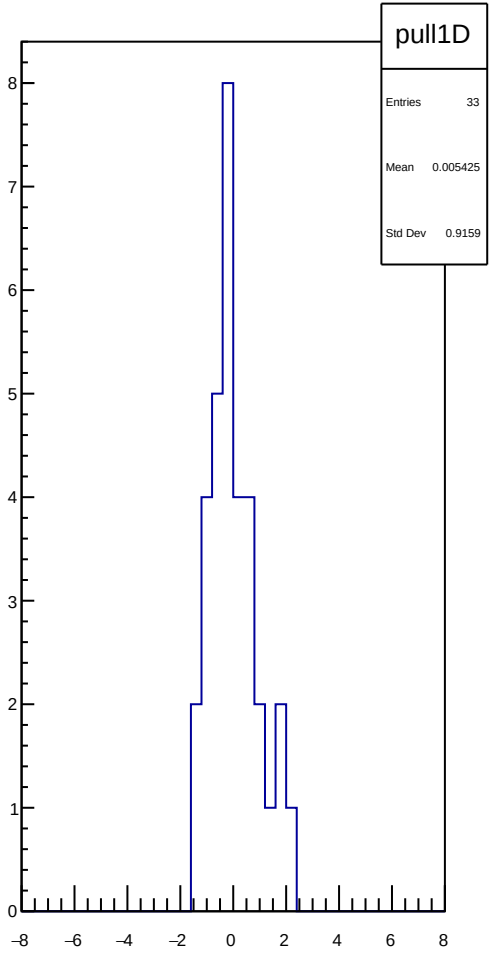

pull1D
Entries 33
Mean −0.03171
Std Dev 1.046
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

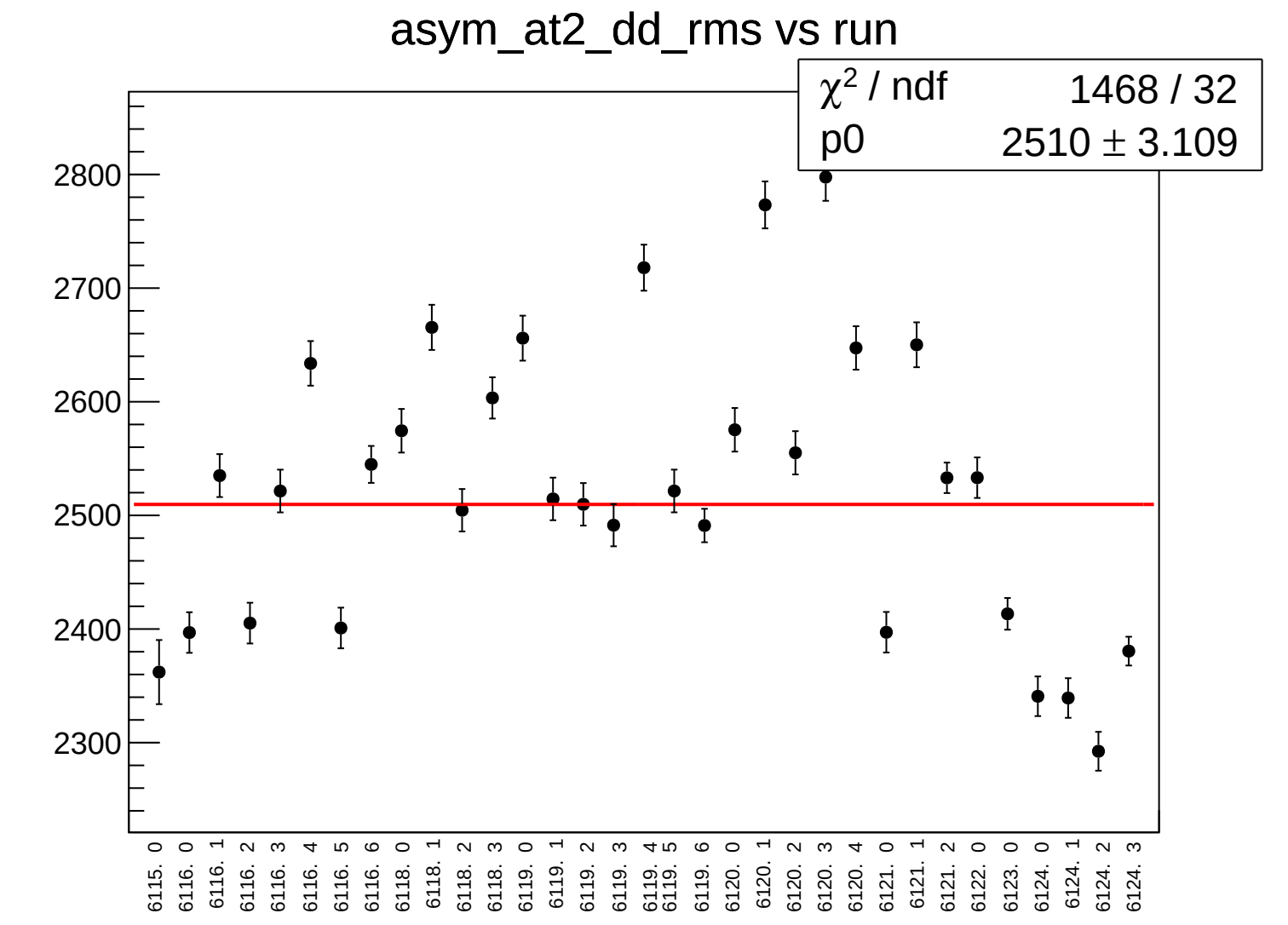

dit_asym_at2_dd_rms vs run
χ² / ndf 193.3 / 32
p0 1584 ± 1.96
1660
1640
1620
1600
1580
1560
1540
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

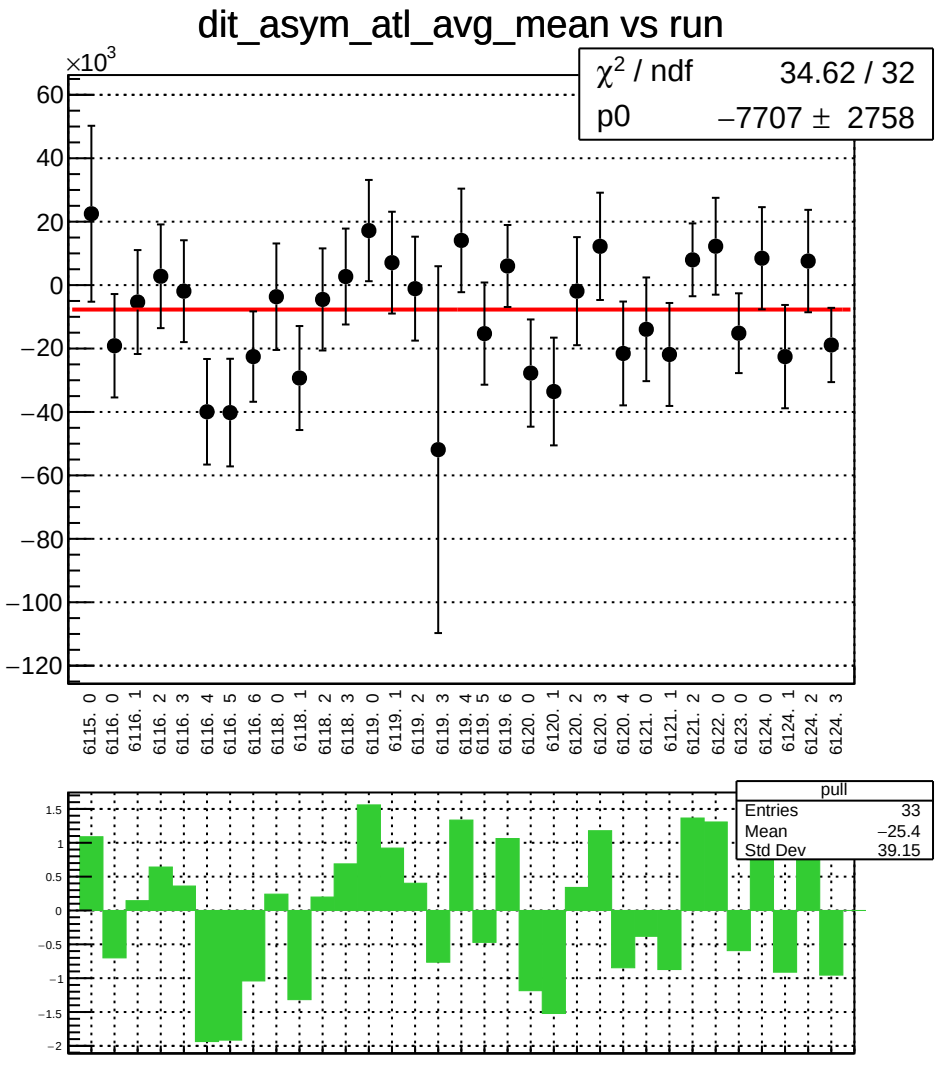

asym_at2_dd_correction_mean vs run
χ² / ndf 29.49 / 32
p0 4291 ± 6519
×10³
100
50
0
−50
−100
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −20.38
Std Dev 31.38
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.0148
Std Dev 0.9452
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

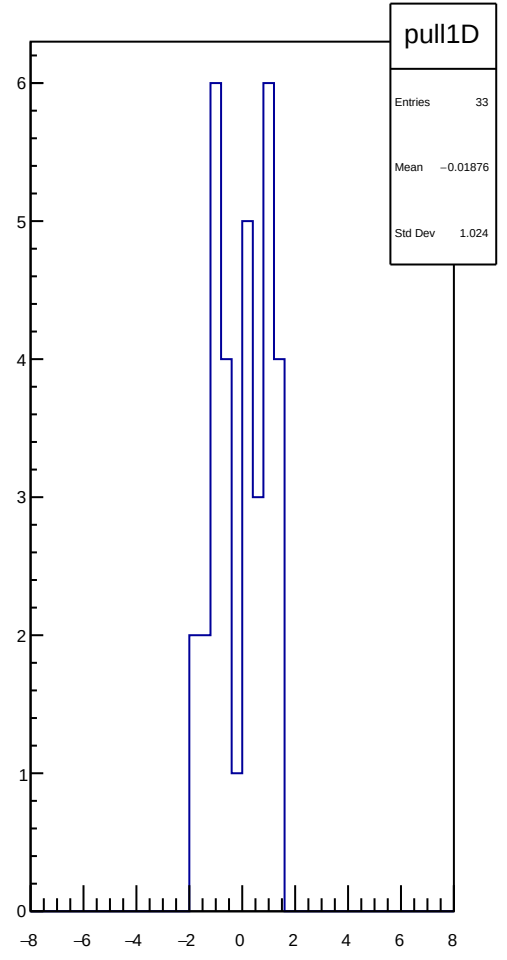

asym_at2_dd_correction_rms vs run
χ² / ndf 457.5 / 32
p0 3724 ± 4.609
4000
3900
3800
3700
3600
3500
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

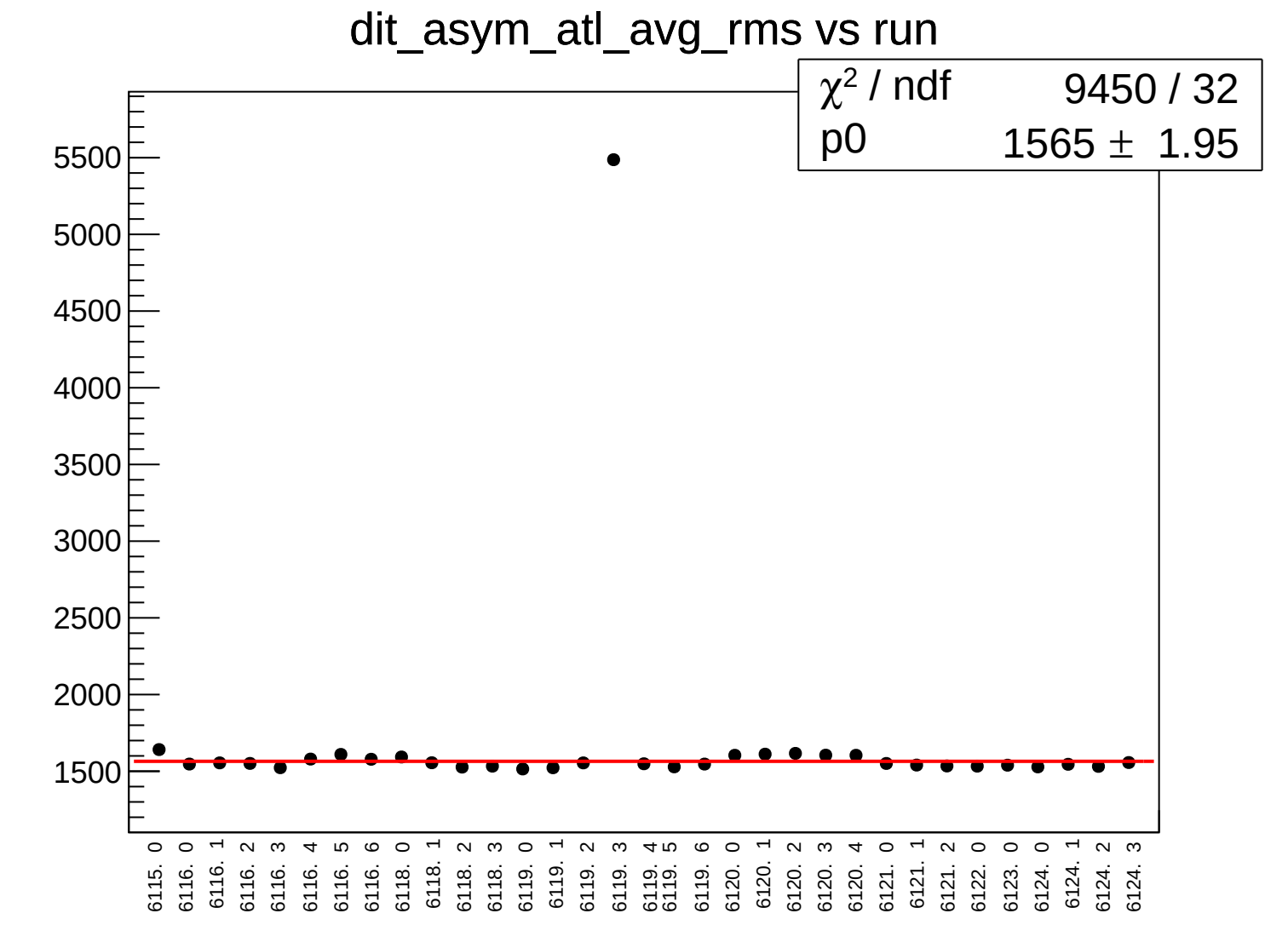

asym_at2_dd_mean vs run
×10^3
χ² / ndf 27.69 / 32
p0 −3596 ± 4397
100
80
60
40
20
0
−20
−40
−60
−80
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 78.83
Std Dev 69.17
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

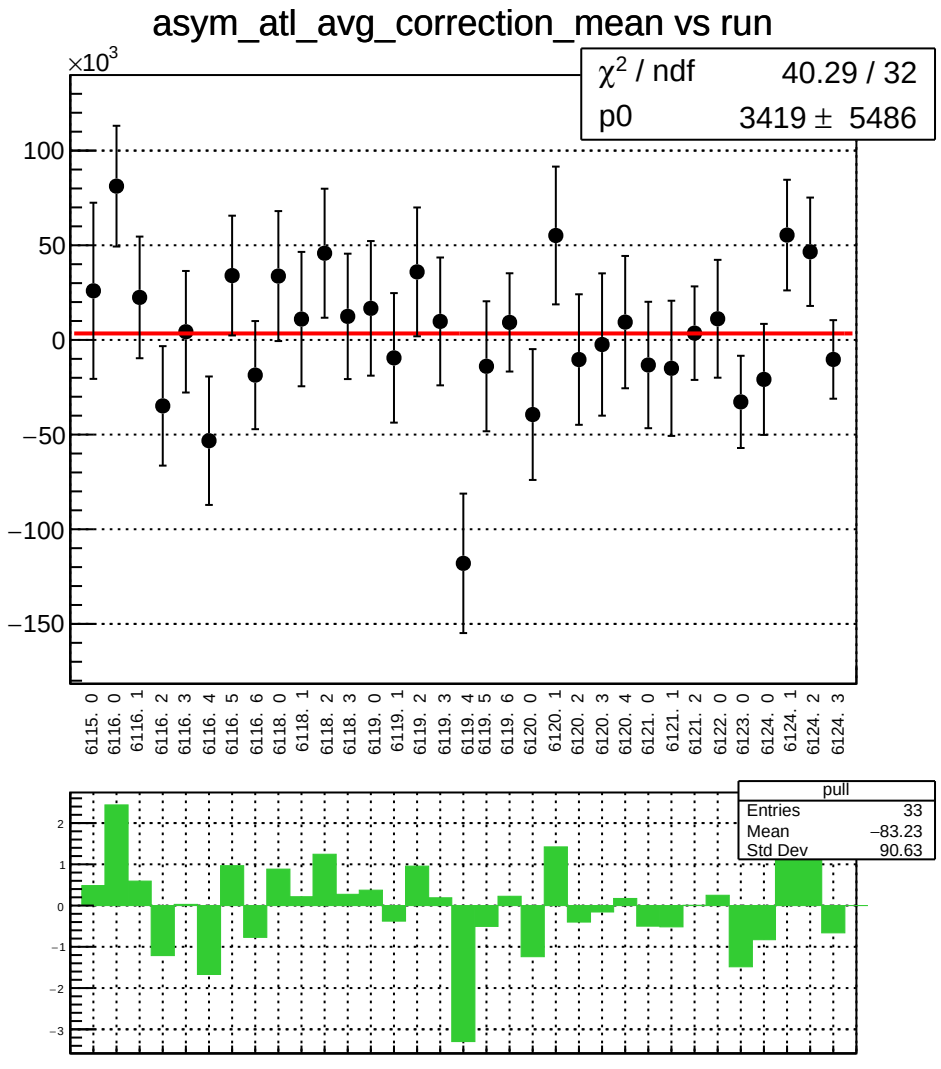

pull1D
Entries 33
Mean 0.005425
Std Dev 0.9159
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

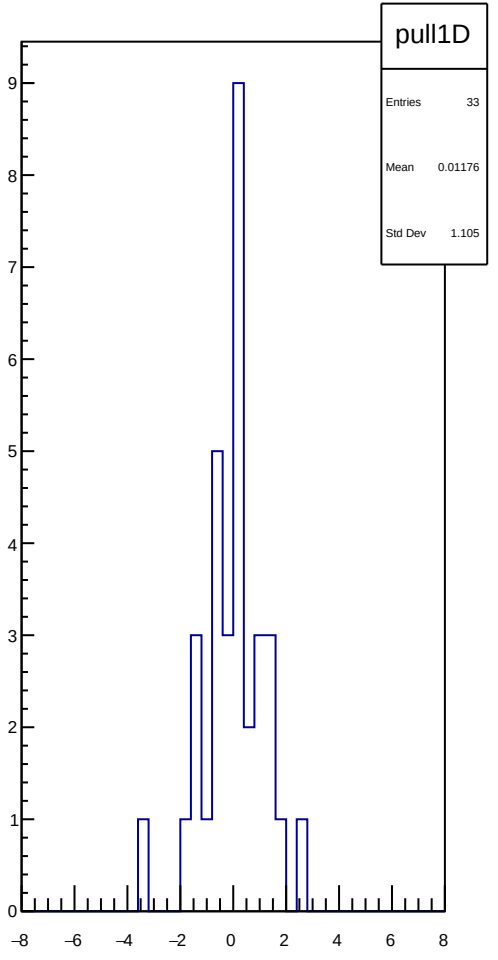

asym_at2_dd_rms vs run
χ² / ndf 1468 / 32
p0 2510 ± 3.109
2800
2700
2600
2500
2400
2300
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

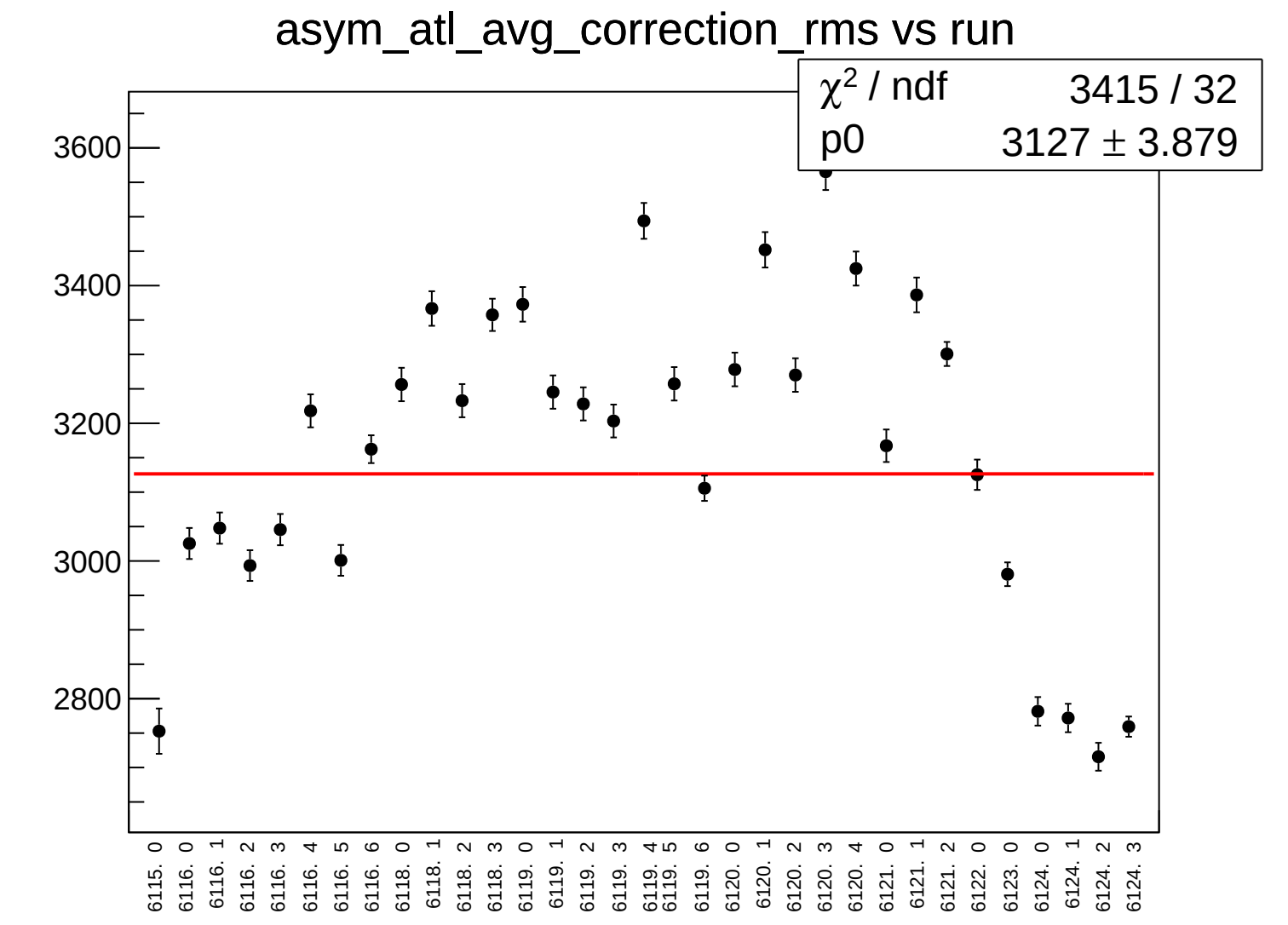

dit_asym_atl_avg_mean vs run
×10^3
χ² / ndf 34.62 / 32
p0 −7707 ± 2758
60
40
20
0
−20
−40
−60
−80
−100
−120
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −25.4
Std Dev 39.15
1.5
1
0.5
0
−0.5
−1
−1.5
−2

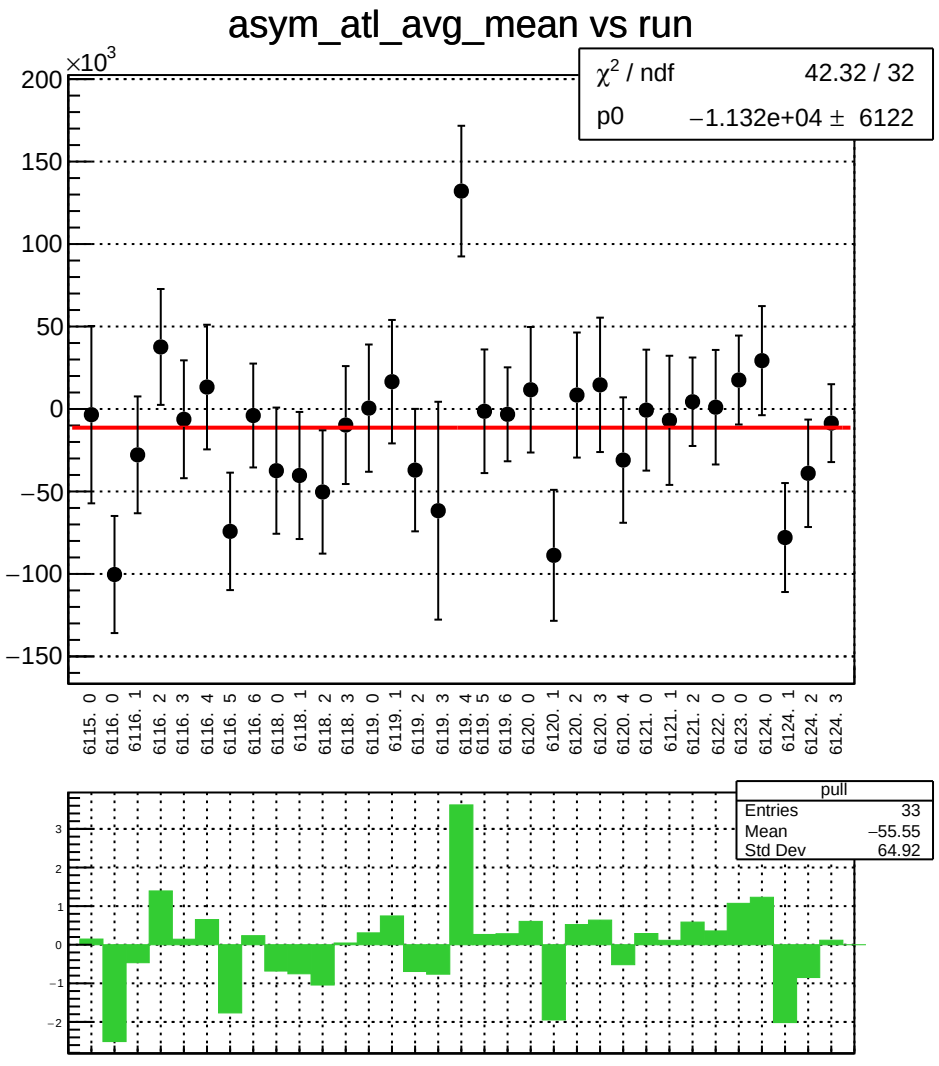

pull1D
Entries 33
Mean −0.01876
Std Dev 1.024
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

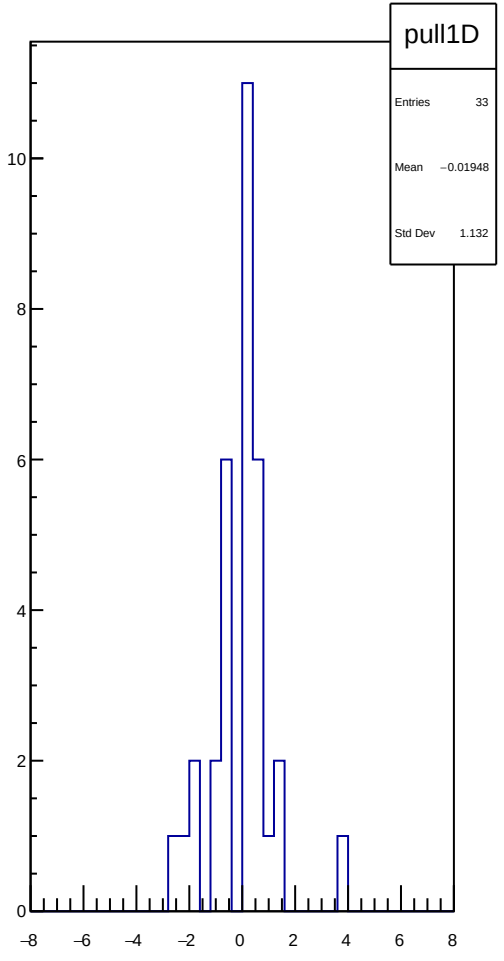

dit_asym_atl_avg_rms vs run
χ² / ndf 9450 / 32
p0 1565 ± 1.95
5500
5000
4500
4000
3500
3000
2500
2000
1500
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

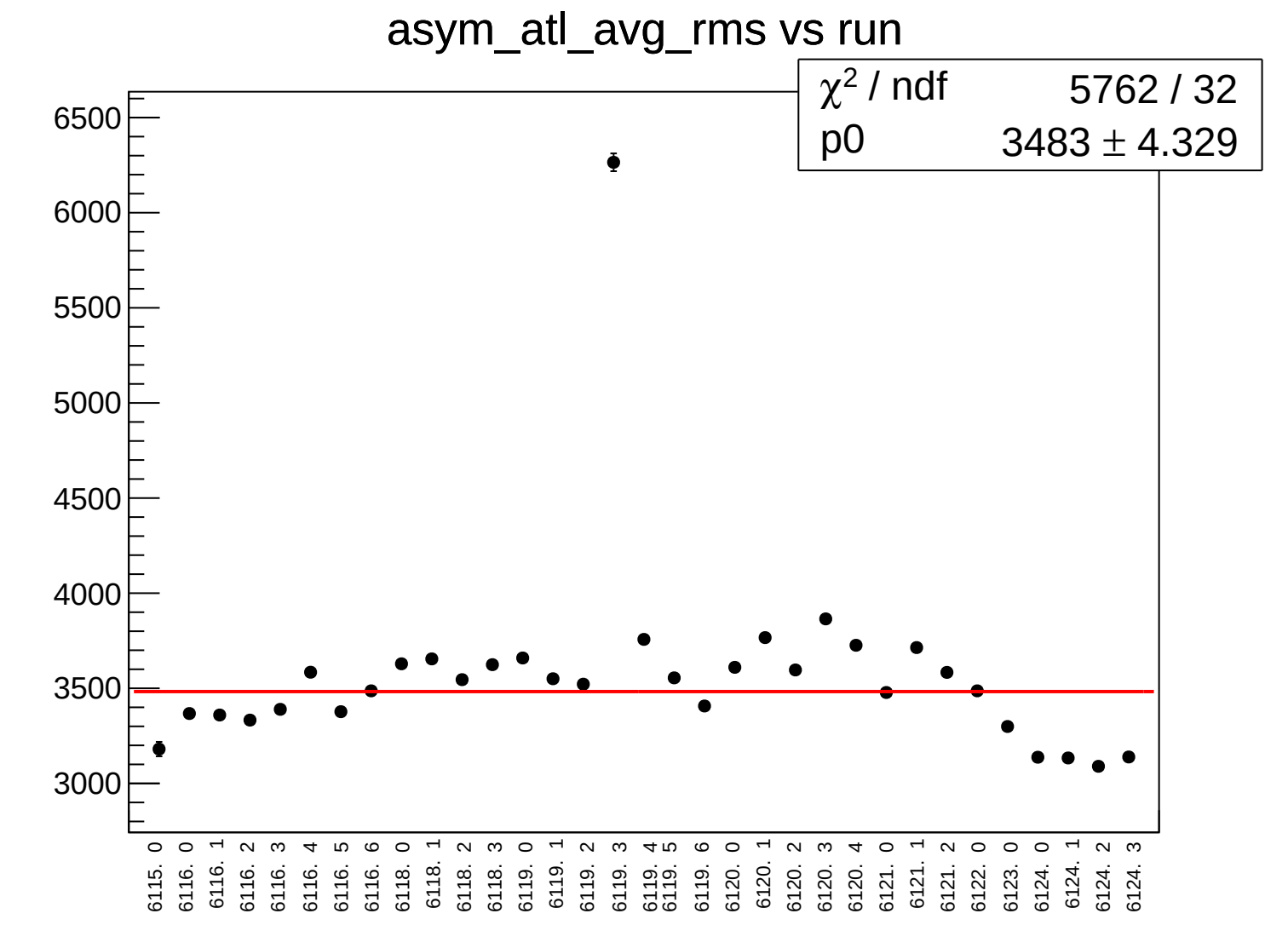

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 40.29 / 32
p0 3419 ± 5486
100
50
0
−50
−100
−150
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −83.23
Std Dev 90.63
2
1
0
−1
−2
−3

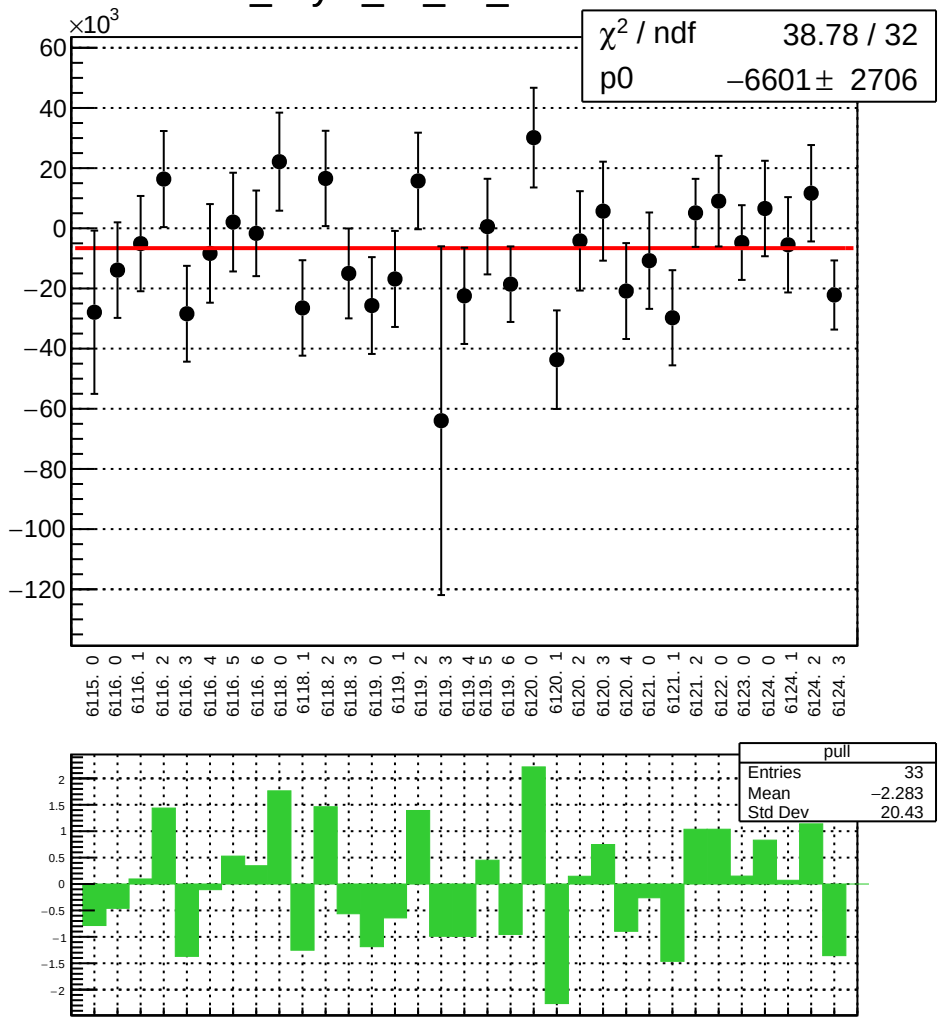

pull1D
Entries 33
Mean 0.01176
Std Dev 1.105
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

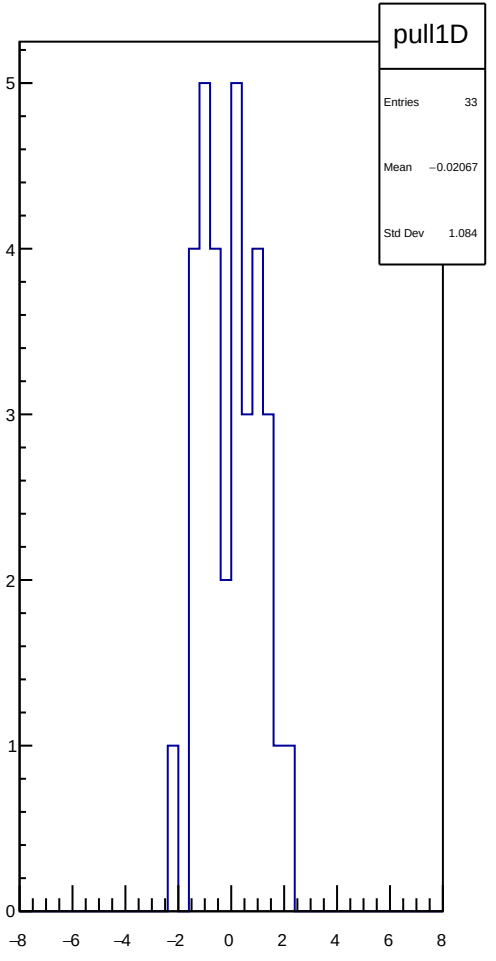

asym_atl_avg_correction_rms vs run
χ² / ndf 3415 / 32
p0 3127 ± 3.879
3600
3400
3200
3000
2800
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

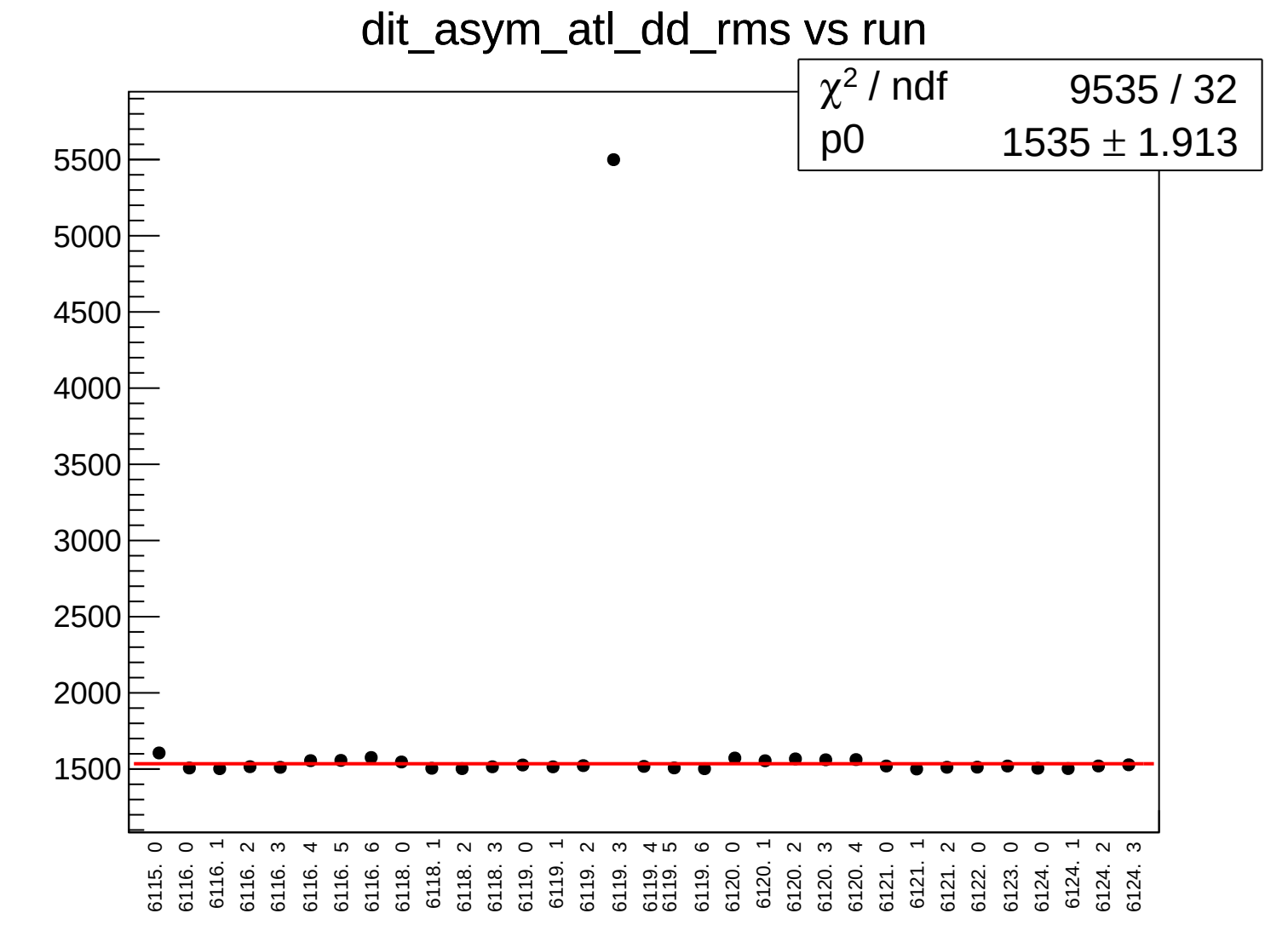

asym_atl_avg_mean vs run
×10^3
χ² / ndf 42.32 / 32
p0 −1.132e+04 ± 6122
200
150
100
50
0
−50
−100
−150
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −55.55
Std Dev 64.92
3
2
1
0
−1
−2

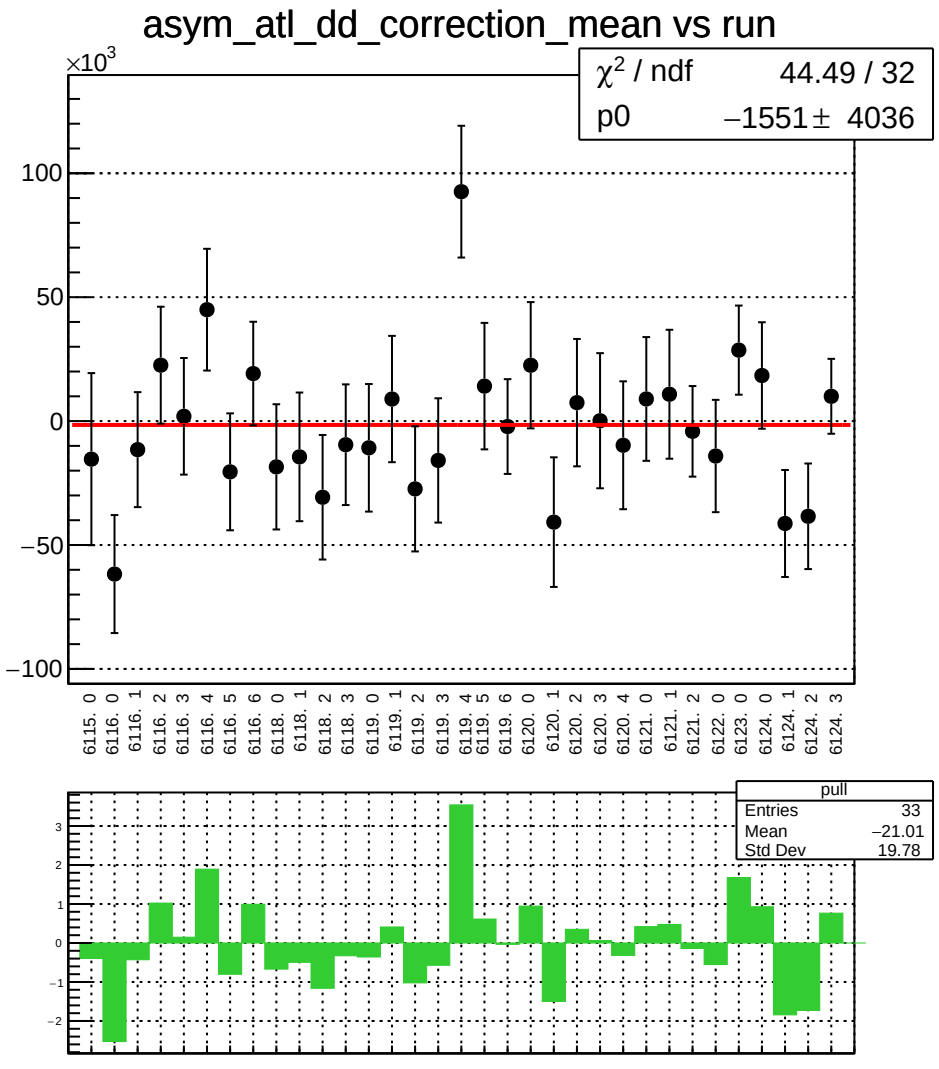

pull1D
Entries 33
Mean −0.01948
Std Dev 1.132
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

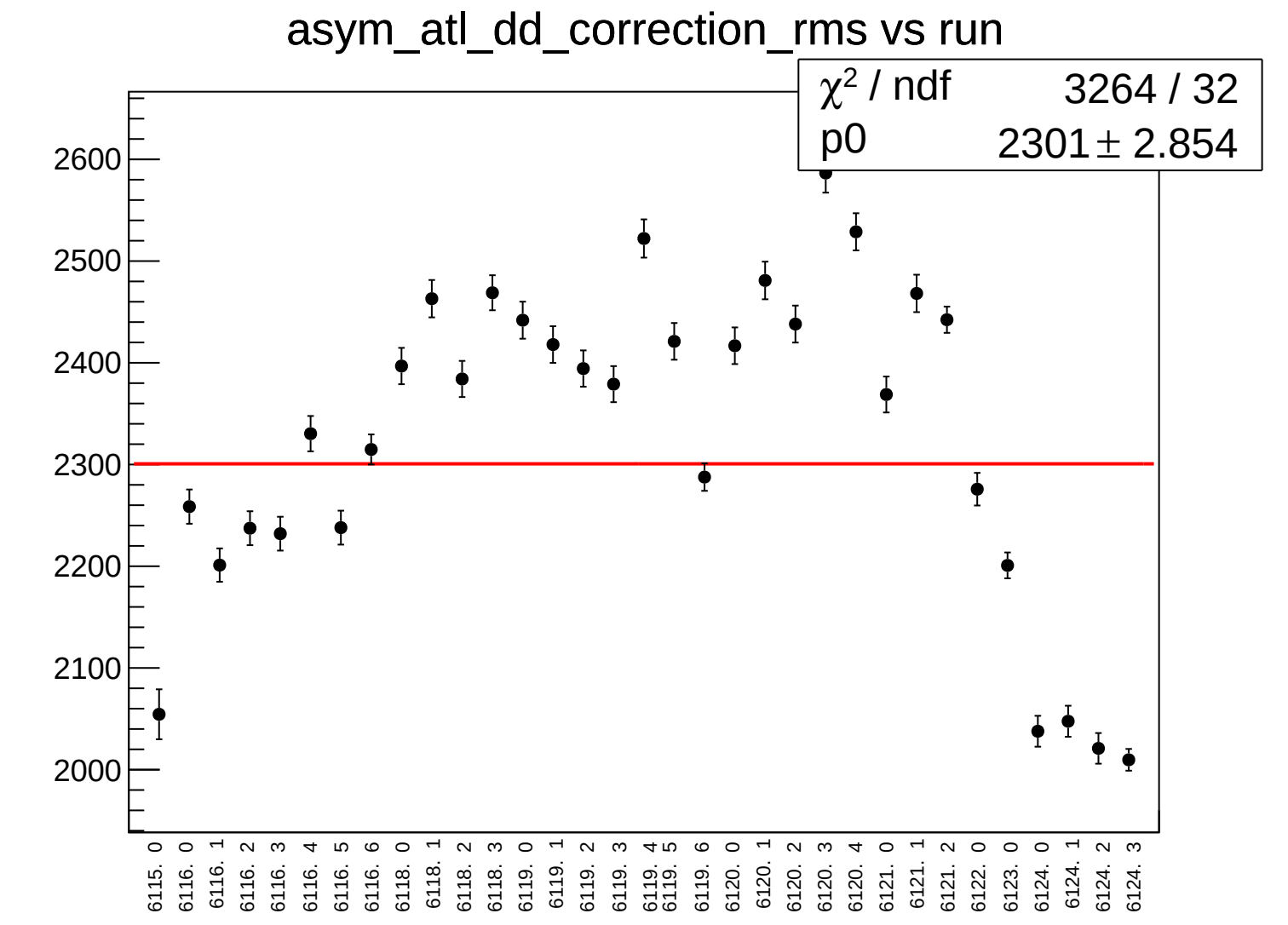

asym_atl_avg_rms vs run
χ² / ndf 5762 / 32
p0 3483 ± 4.329
6500
6000
5500
5000
4500
4000
3500
3000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

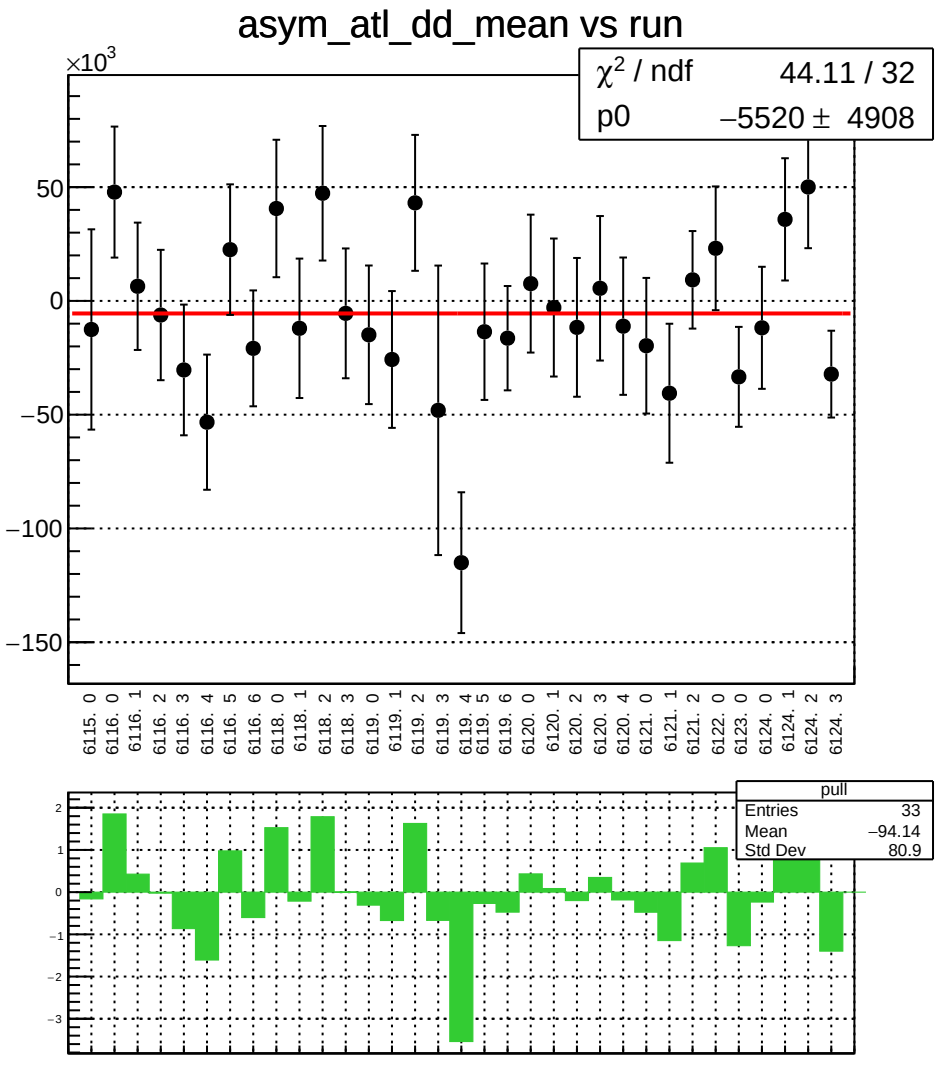

dit_asym_atl_dd_mean vs run
×10^3
χ^2 / ndf 38.78 / 32
p0 −6601 ± 2706
60
40
20
0
−20
−40
−60
−80
−100
−120
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −2.283
Std Dev 20.43
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

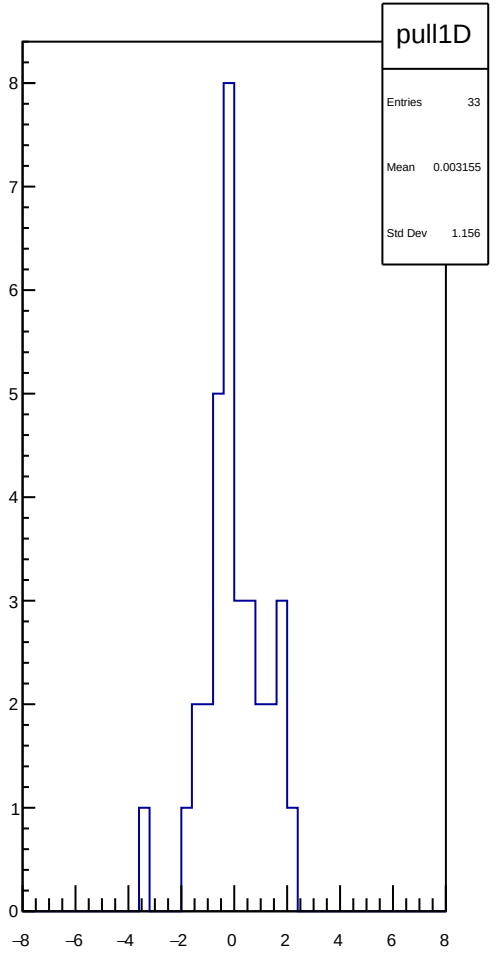

pull1D
Entries 33
Mean −0.02067
Std Dev 1.084
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

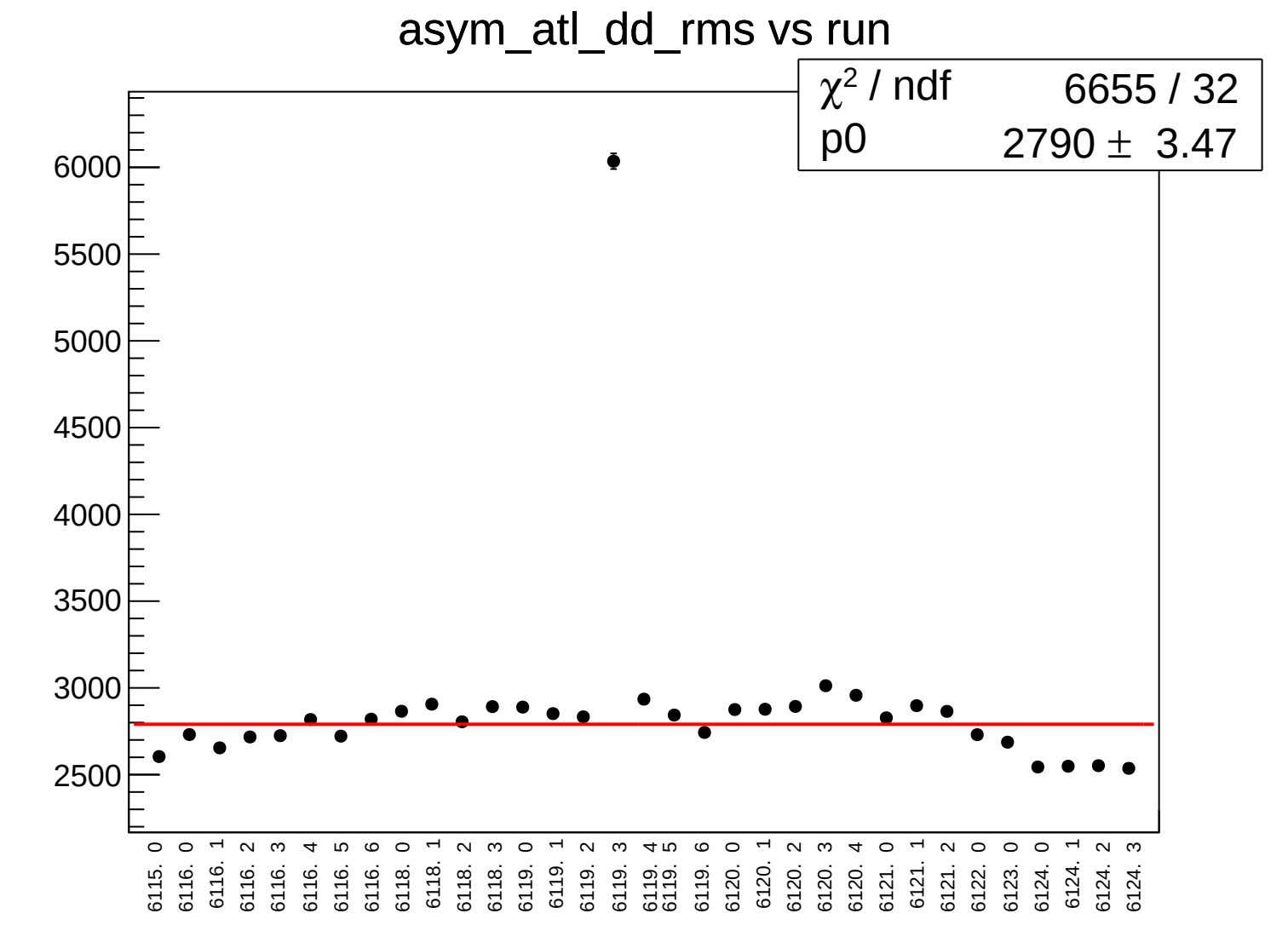

dit_asym_atl_dd_rms vs run
χ² / ndf 9535 / 32
p0 1535 ± 1.913
5500
5000
4500
4000
3500
3000
2500
2000
1500
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

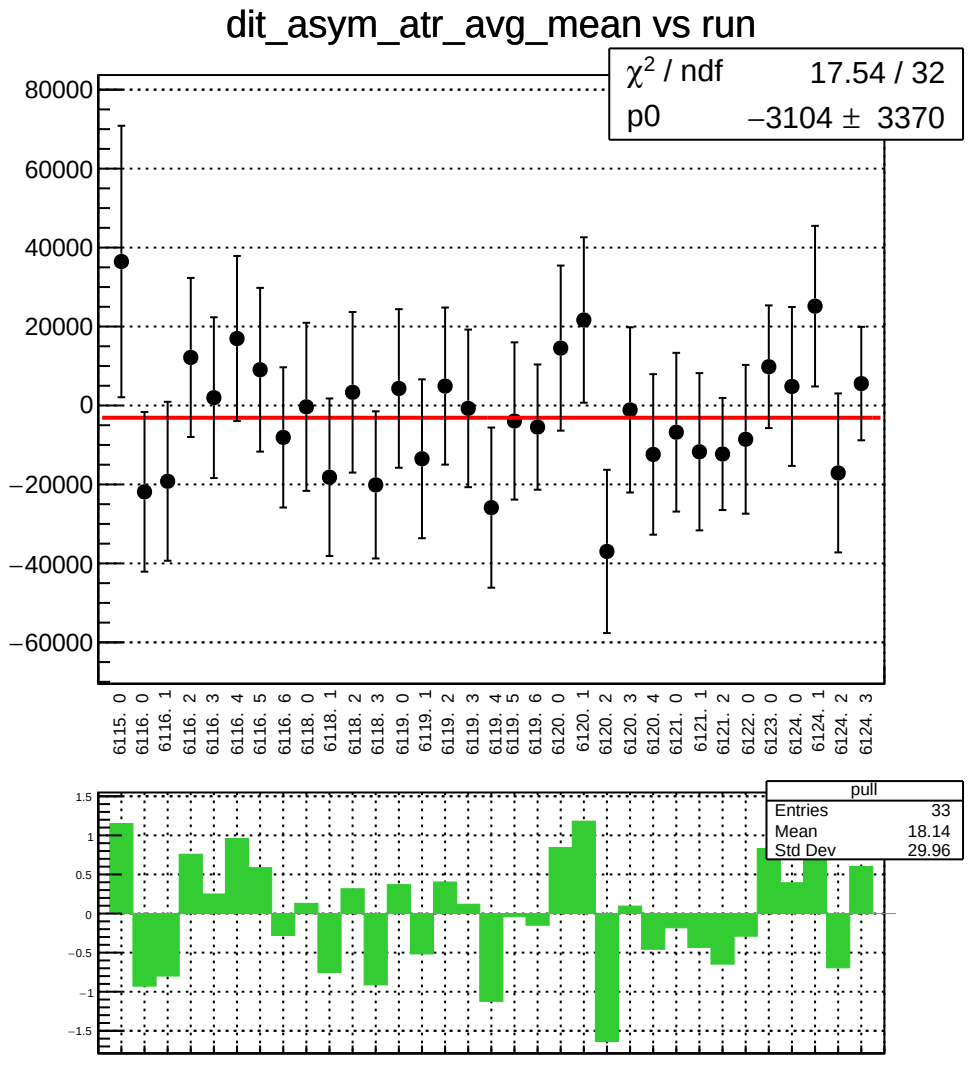

asym_atl_dd_correction_mean vs run
χ² / ndf 44.49 / 32
p0 −1551 ± 4036
×10³
100
50
0
−50
−100
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −21.01
Std Dev 19.78
pull1D
Entries 33
Mean −0.01928
Std Dev 1.161

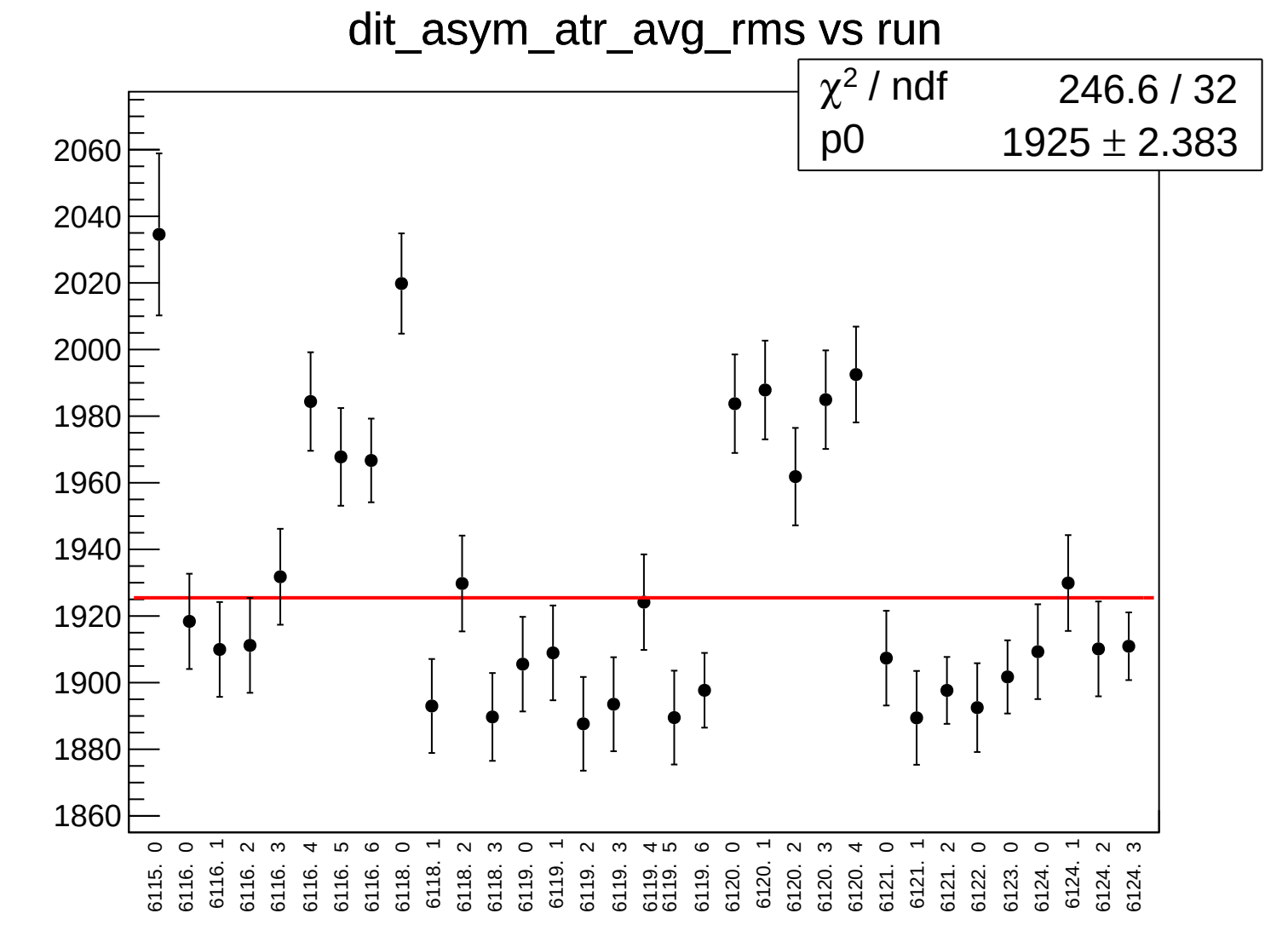

asym_atl_dd_correction_rms vs run
χ² / ndf 3264 / 32
p0 2301 ± 2.854
2600
2500
2400
2300
2200
2100
2000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

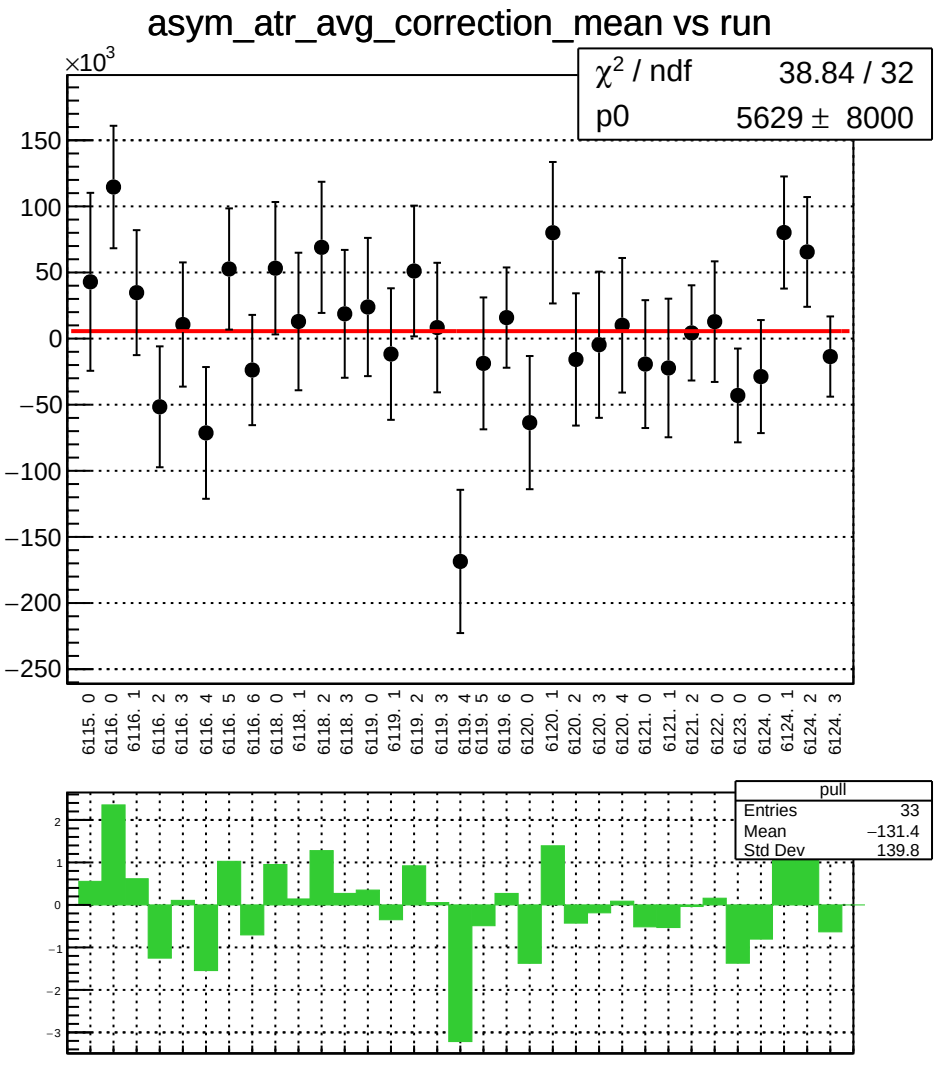

asym_atl_dd_mean vs run
×10^3
χ² / ndf 44.11 / 32
p0 −5520 ± 4908
50
0
−50
−100
−150
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −94.14
Std Dev 80.9
2
1
0
−1
−2
−3

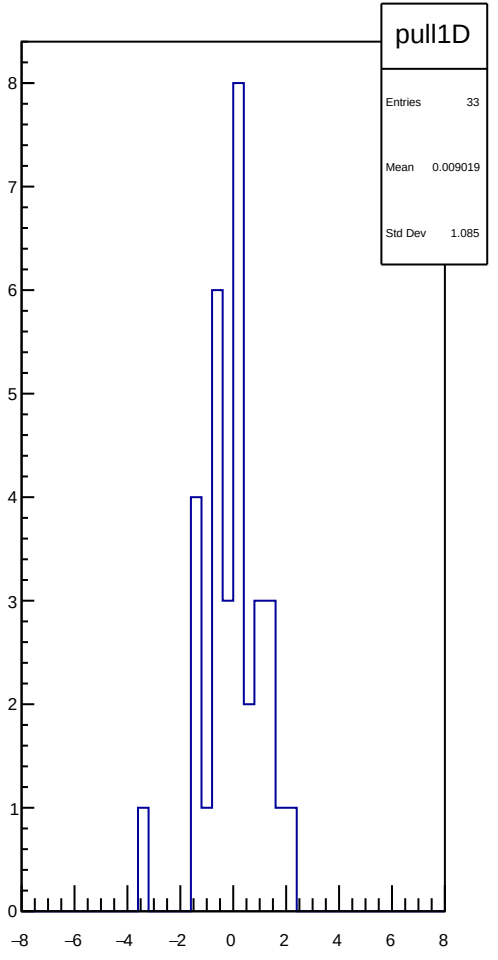

pull1D
Entries 33
Mean 0.003155
Std Dev 1.156
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

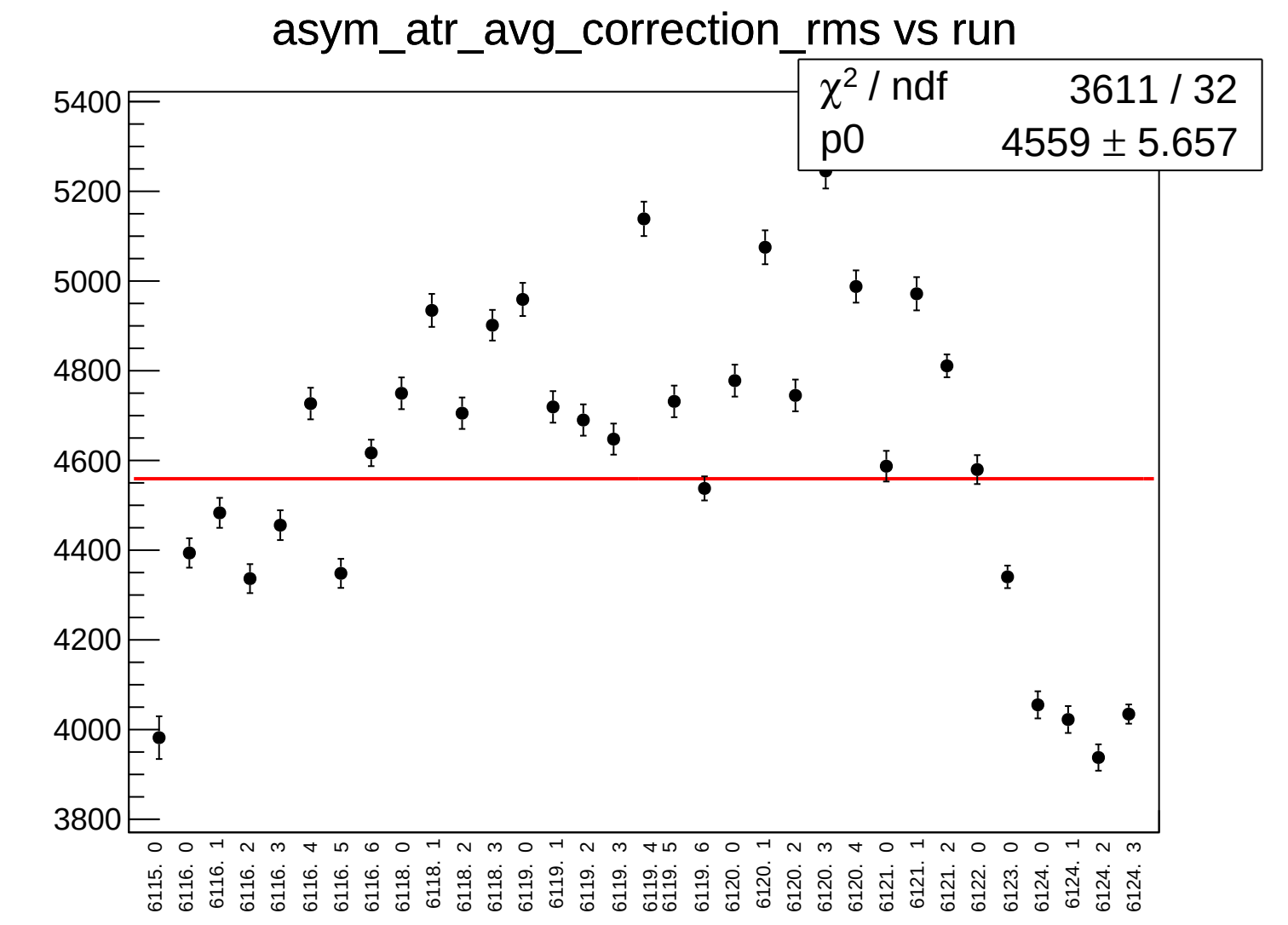

asym_atl_dd_rms vs run
χ² / ndf 6655 / 32
p0 2790 ± 3.47
6000
5500
5000
4500
4000
3500
3000
2500
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

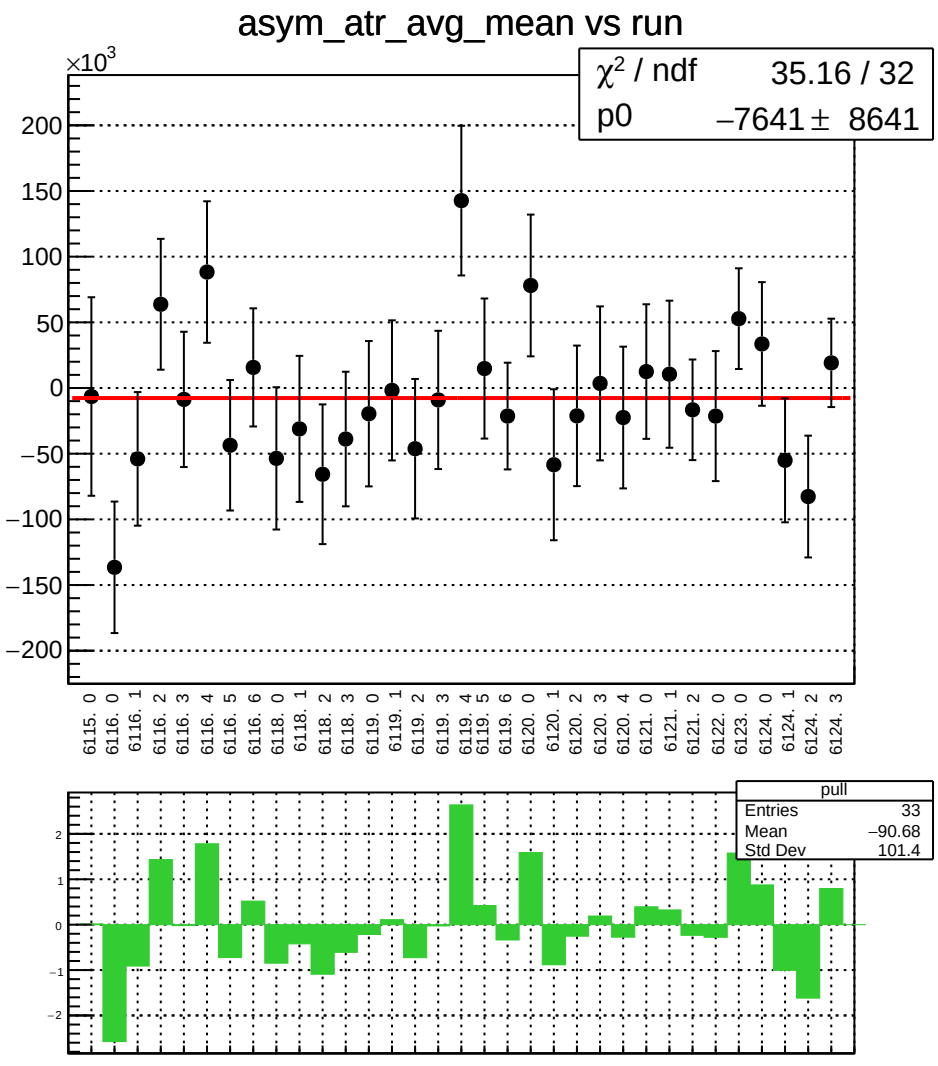

dit_asym_atr_avg_mean vs run
χ² / ndf 17.54 / 32
p0 −3104 ± 3370
80000
60000
40000
20000
0
−20000
−40000
−60000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 18.14
Std Dev 29.96
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.01631
Std Dev 0.7289
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

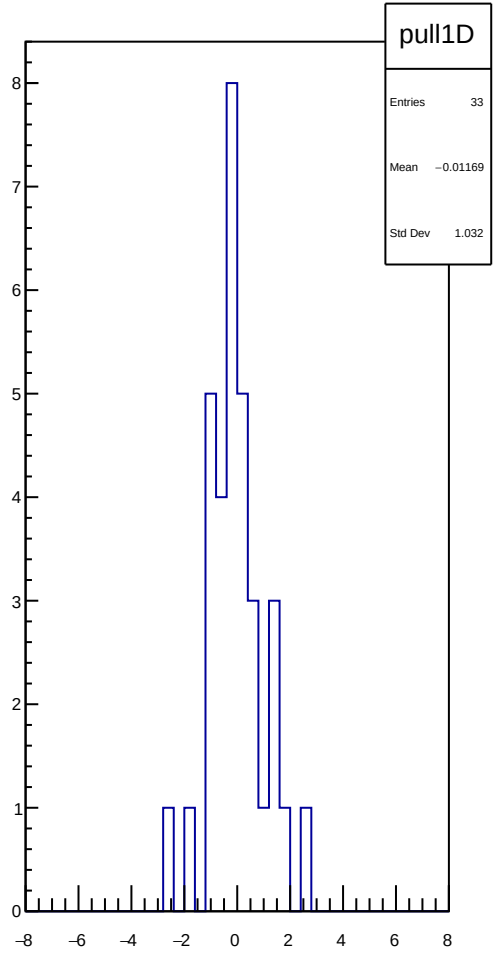

dit_asym_atr_avg_rms vs run
χ² / ndf 246.6 / 32
p0 1925 ± 2.383
2060
2040
2020
2000
1980
1960
1940
1920
1900
1880
1860
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

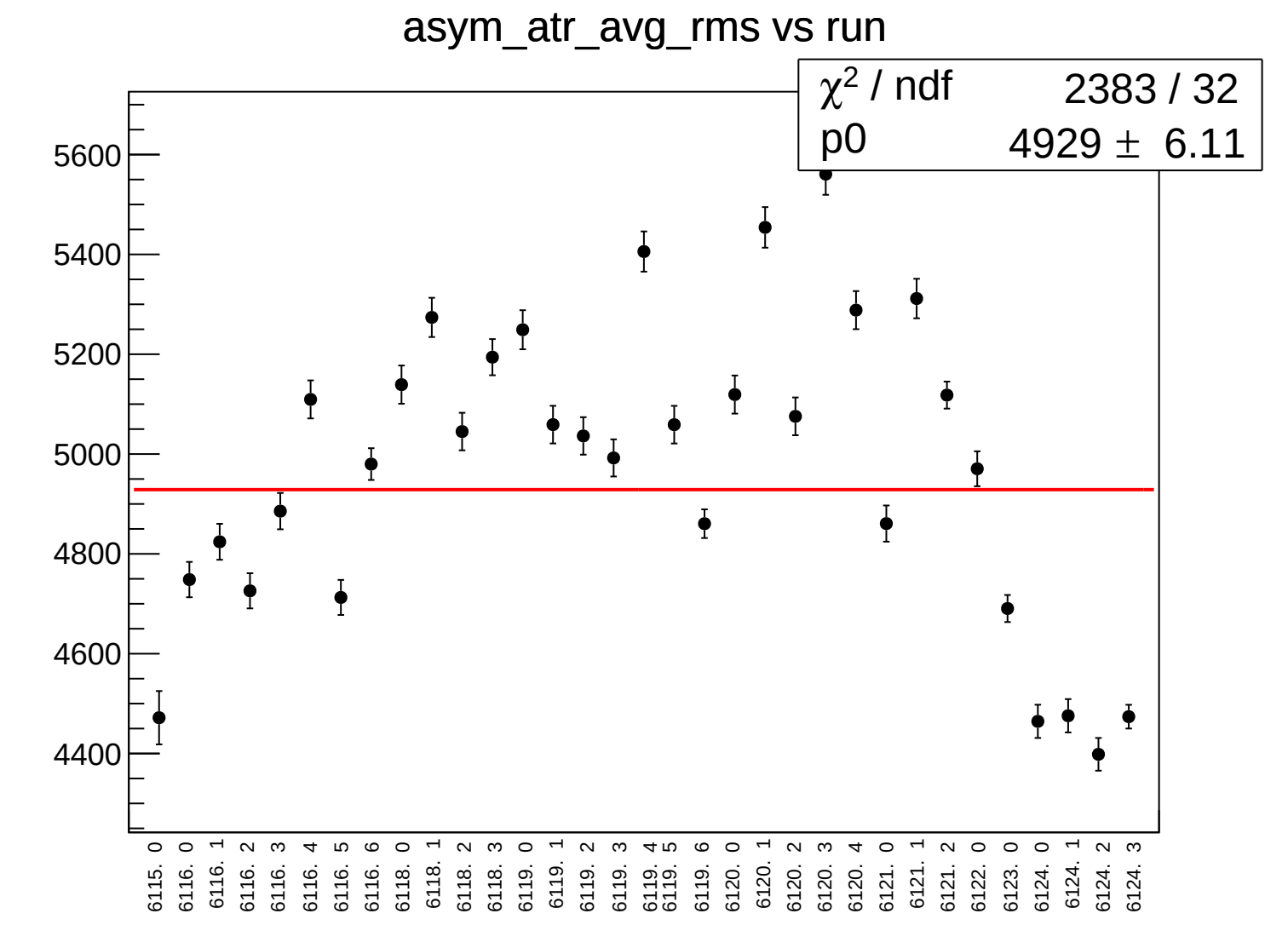

asym_atr_avg_correction_mean vs run
×10^3
χ^2 / ndf 38.84 / 32
p0 5629 ± 8000
150
100
50
0
−50
−100
−150
−200
−250
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −131.4
Std Dev 139.8
2
1
0
−1
−2
−3

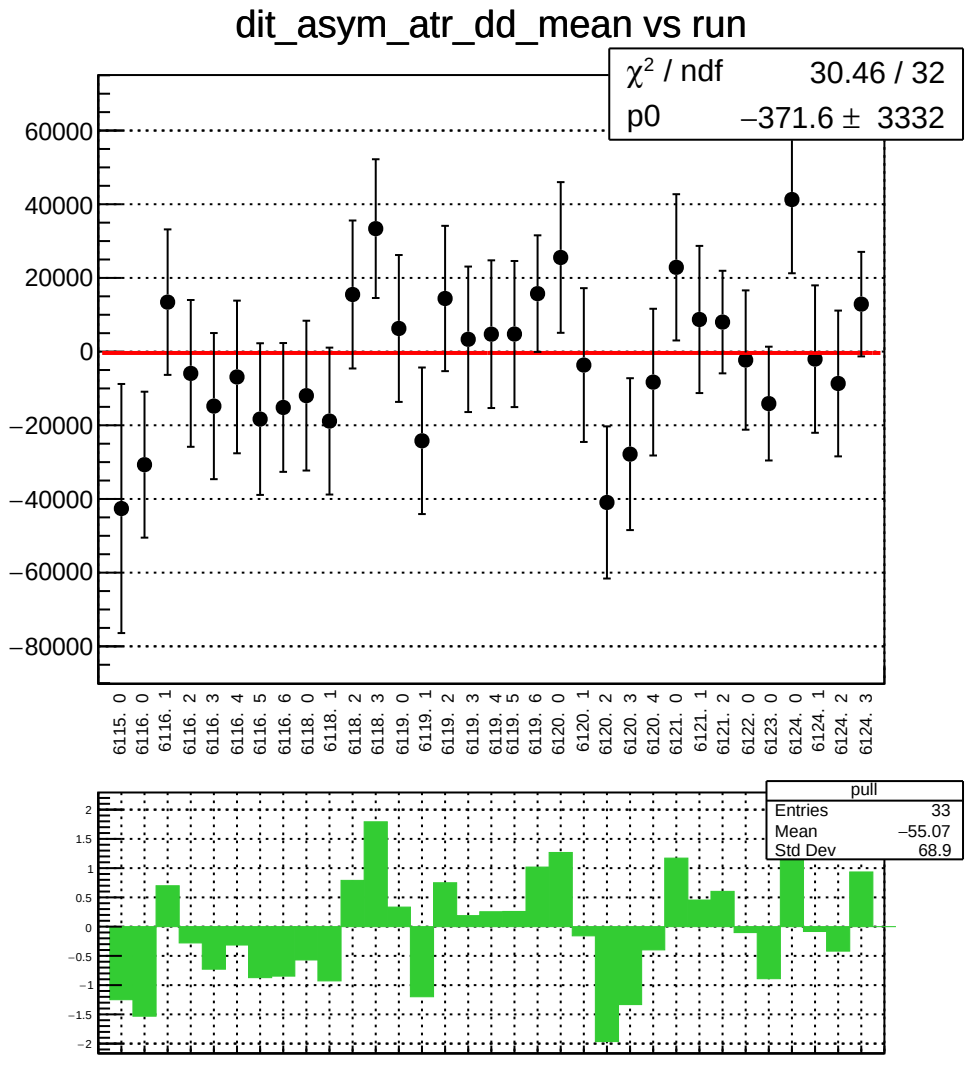

pull1D
Entries 33
Mean 0.009019
Std Dev 1.085
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

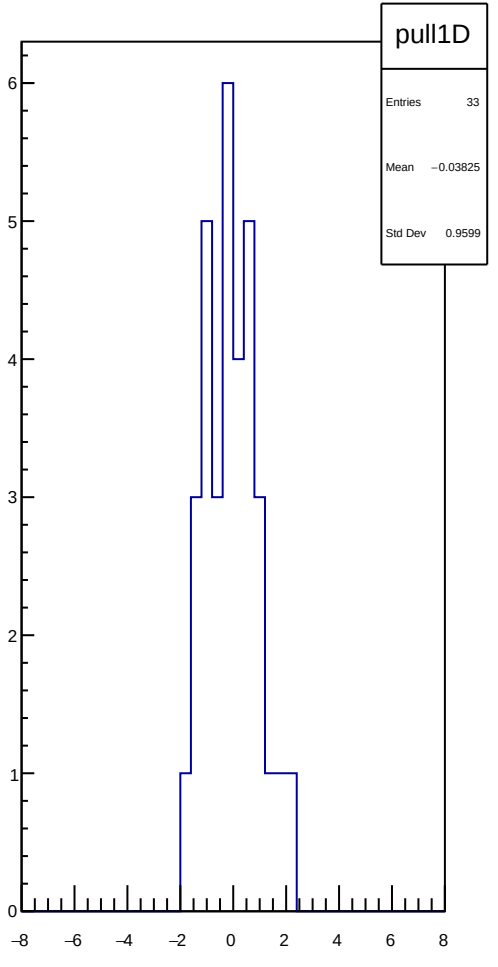

asym_atr_avg_correction_rms vs run
χ² / ndf 3611 / 32
p0 4559 ± 5.657
5400
5200
5000
4800
4600
4400
4200
4000
3800
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

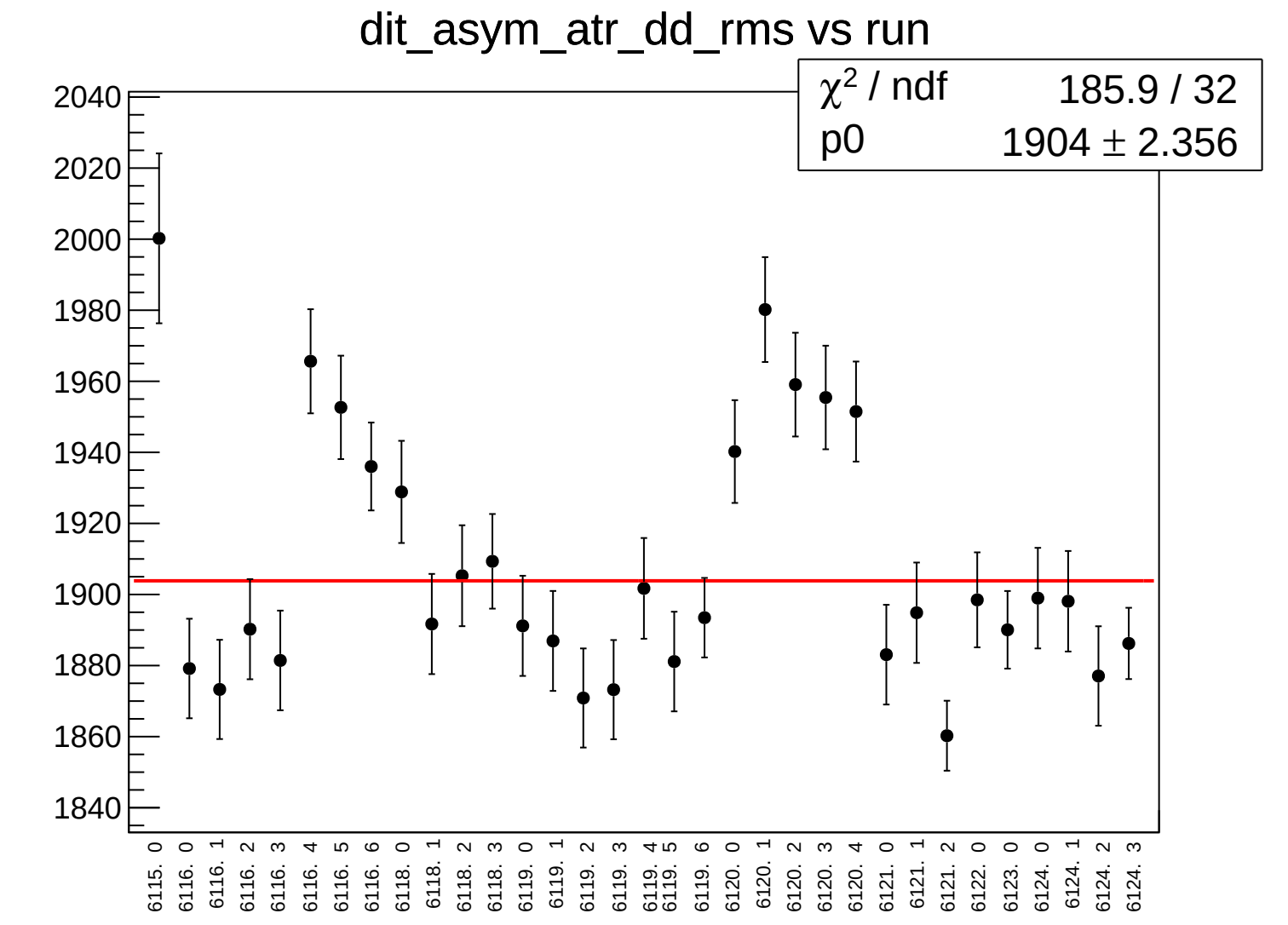

asym_atr_avg_mean vs run
×10^3
χ² / ndf 35.16 / 32
p0 −7641 ± 8641
200
150
100
50
0
−50
−100
−150
−200
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −90.68
Std Dev 101.4
2
1
0
−1
−2

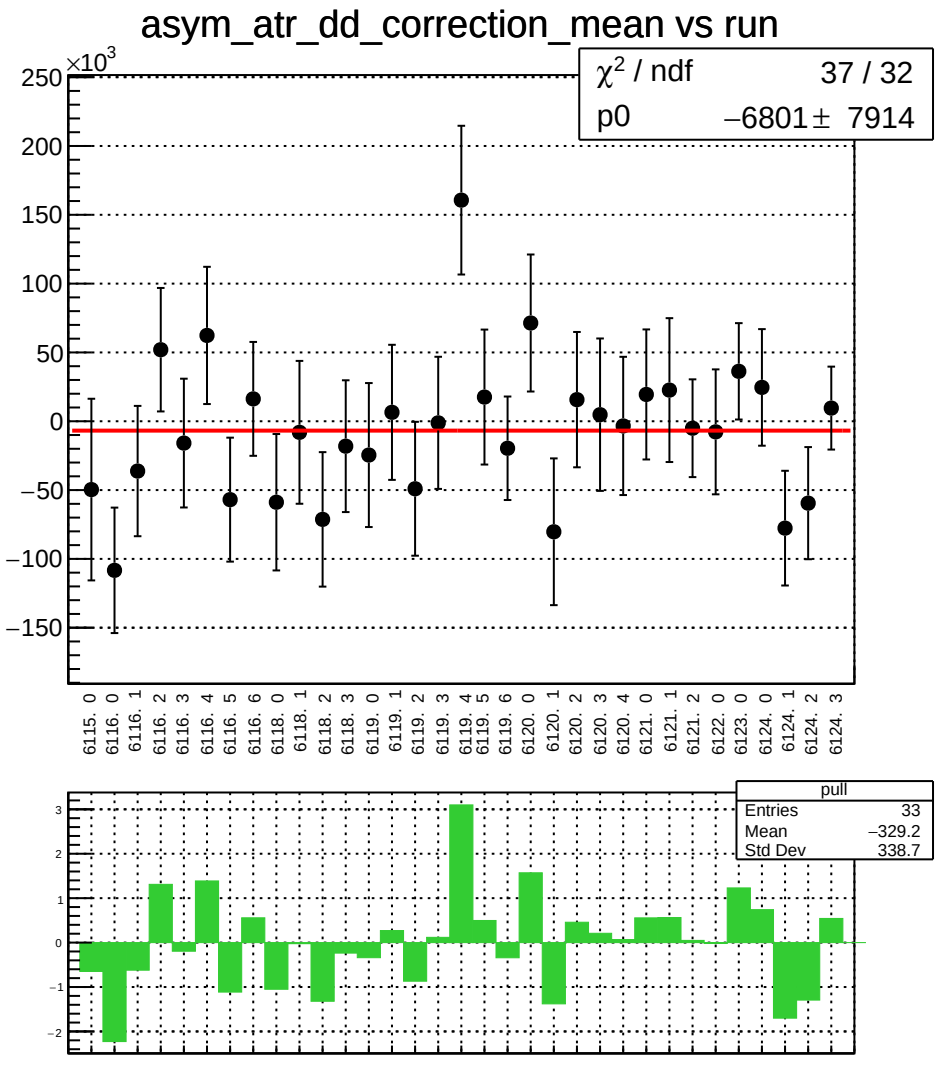

pull1D
Entries 33
Mean −0.01169
Std Dev 1.032
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

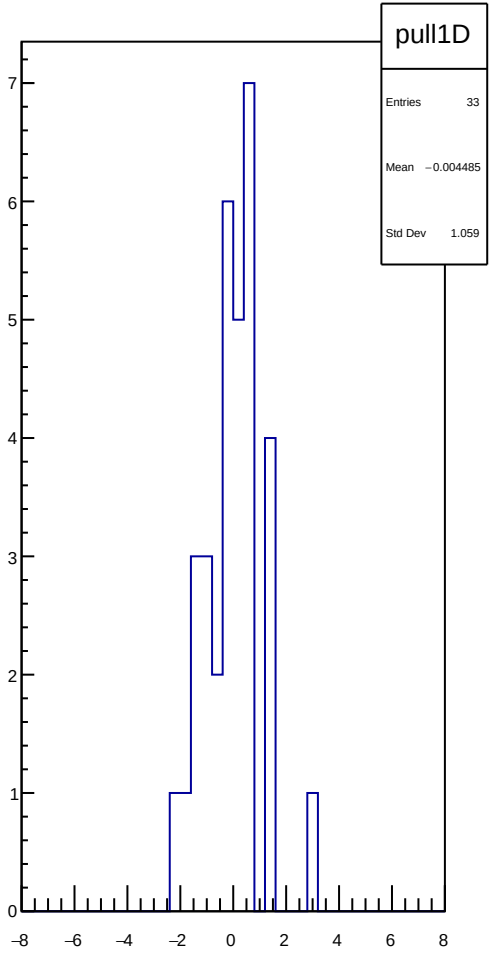

asym_atr_avg_rms vs run
χ^2 / ndf 2383 / 32
p0 4929 ± 6.11
5600
5400
5200
5000
4800
4600
4400
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

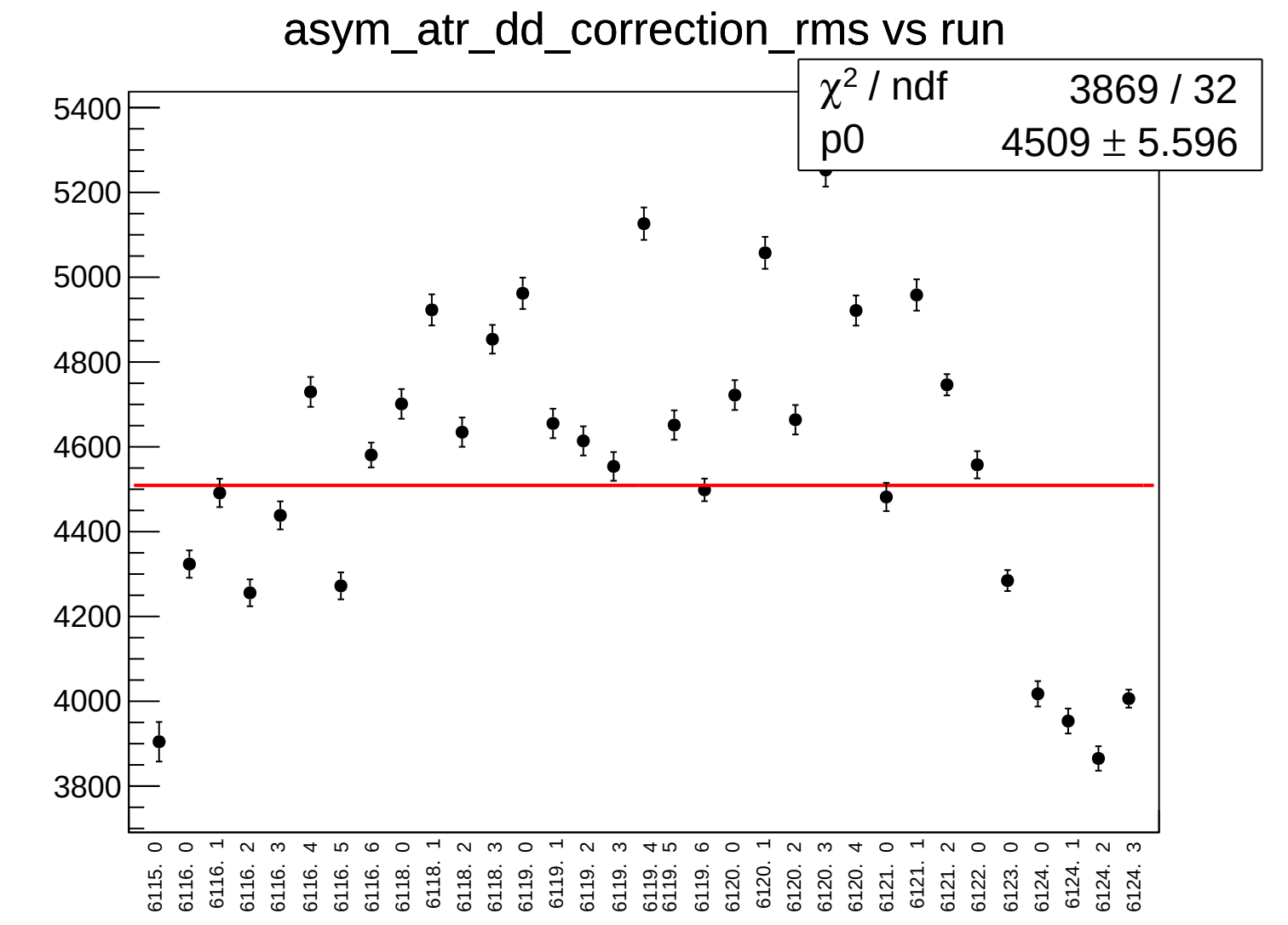

dit_asym_atr_dd_mean vs run
χ² / ndf 30.46 / 32
p0 −371.6 ± 3332
60000
40000
20000
0
−20000
−40000
−60000
−80000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −55.07
Std Dev 68.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

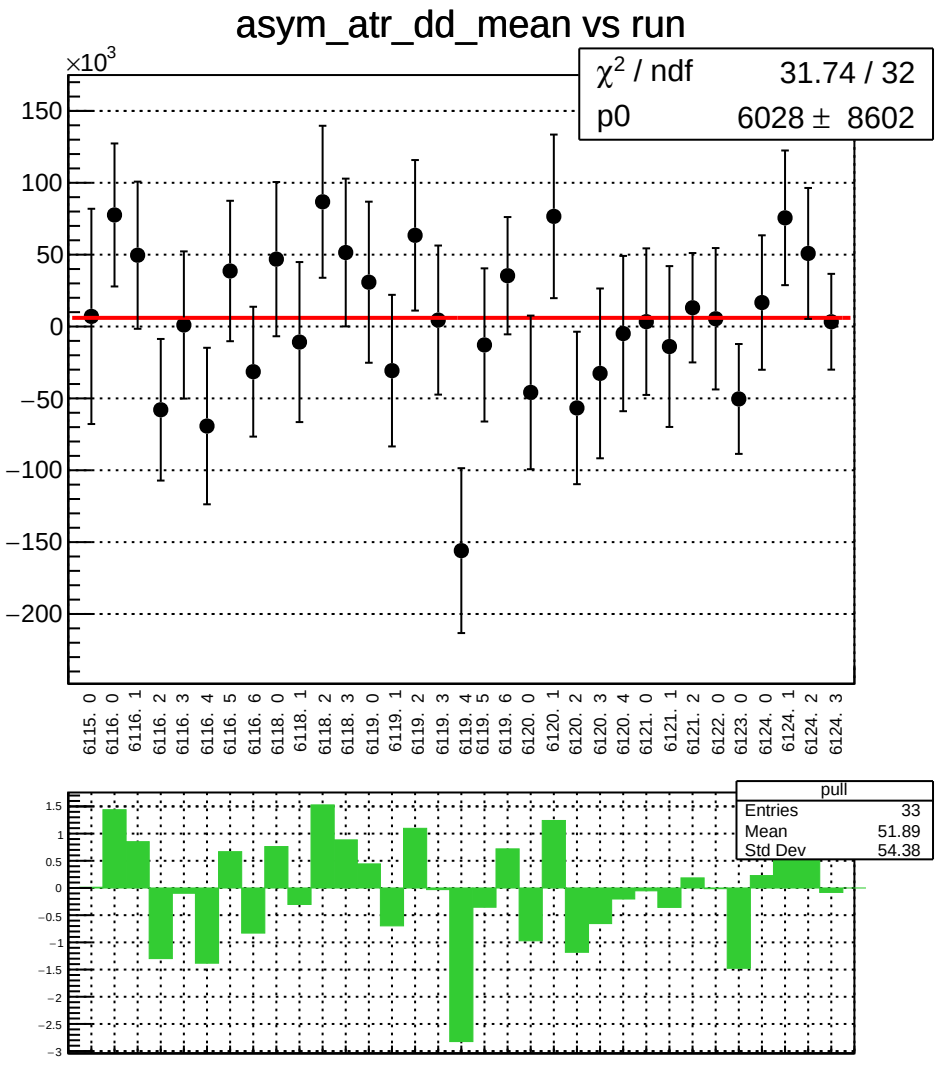

pull1D
Entries 33
Mean −0.03825
Std Dev 0.9599
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

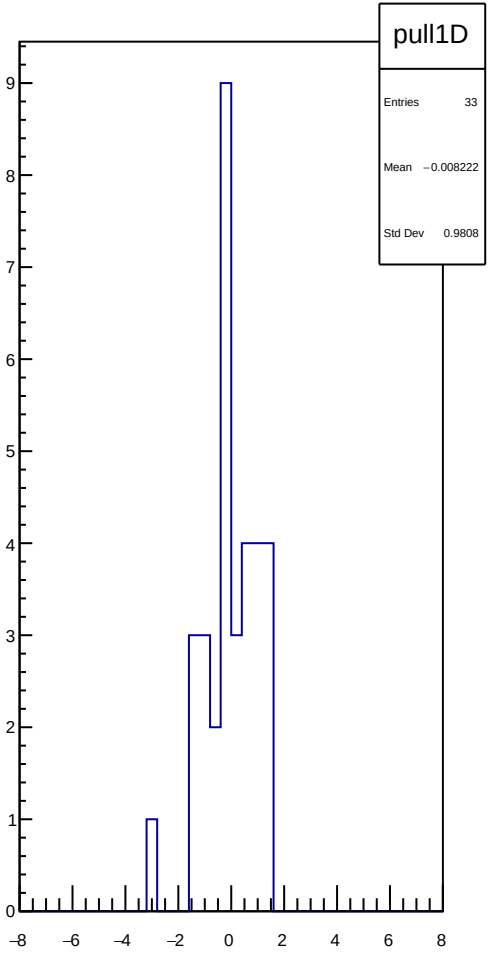

dit_asym_atr_dd_rms vs run
χ² / ndf 185.9 / 32
p0 1904 ± 2.356
2040
2020
2000
1980
1960
1940
1920
1900
1880
1860
1840
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

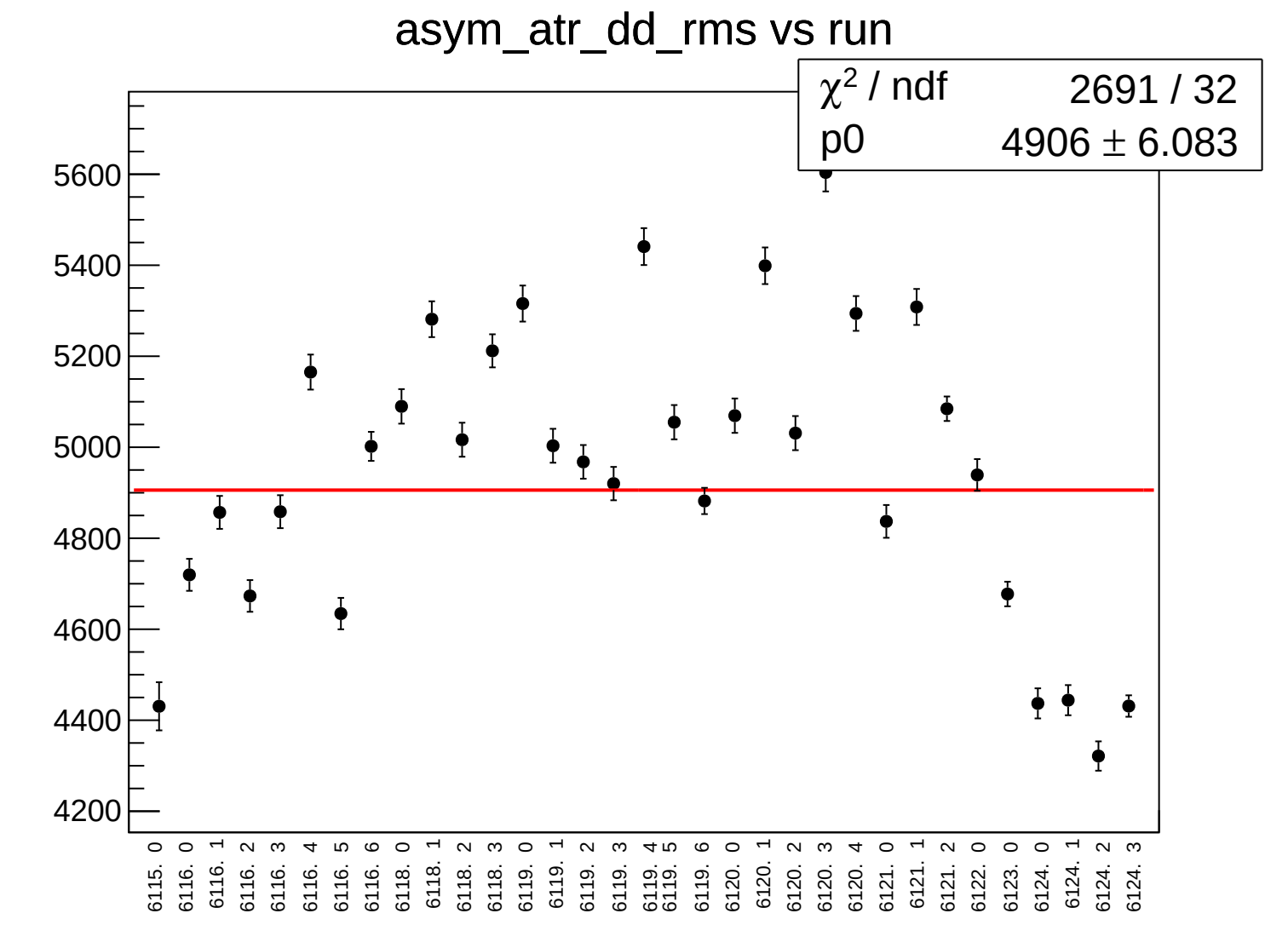

asym_atr_dd_correction_mean vs run
×10^3
χ^2 / ndf 37 / 32
p0 −6801 ± 7914
250
200
150
100
50
0
−50
−100
−150
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −329.2
Std Dev 338.7
3
2
1
0
−1
−2

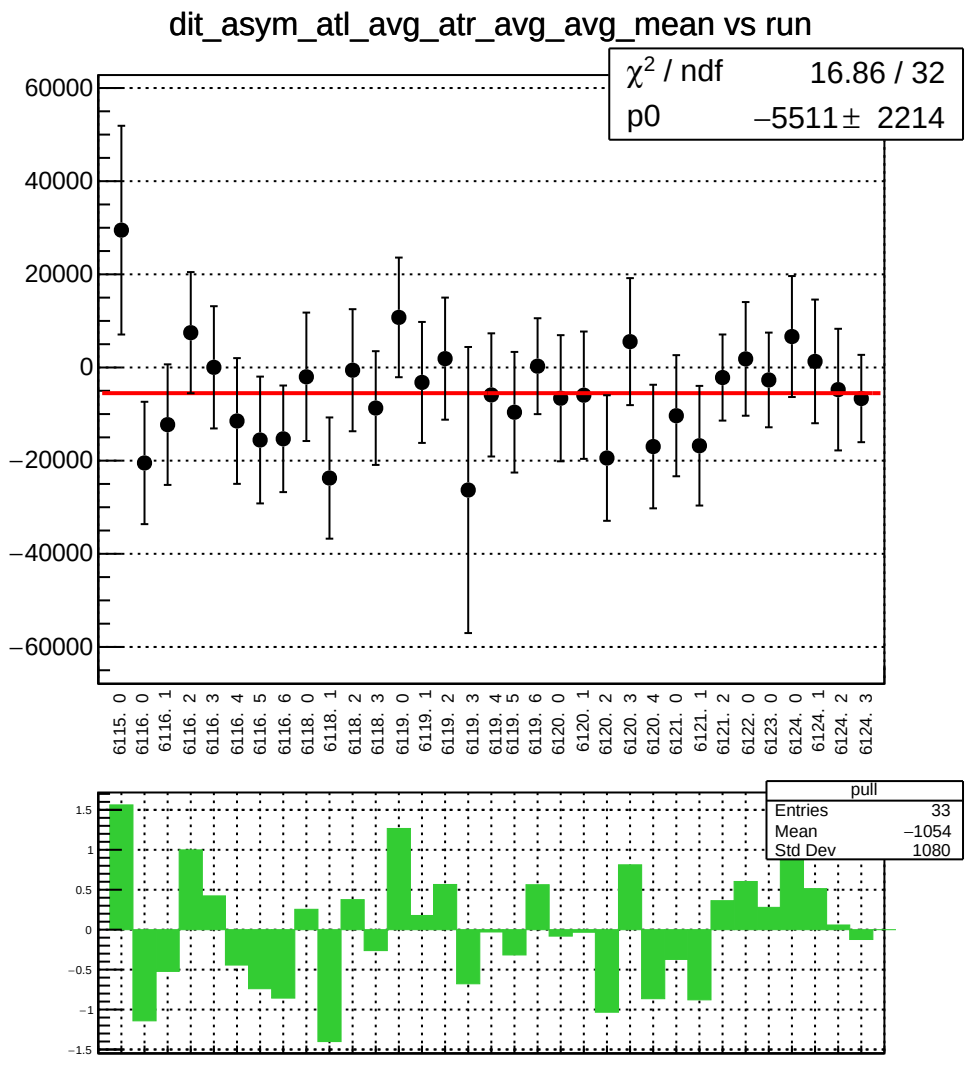

pull1D
Entries 33
Mean −0.004485
Std Dev 1.059
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

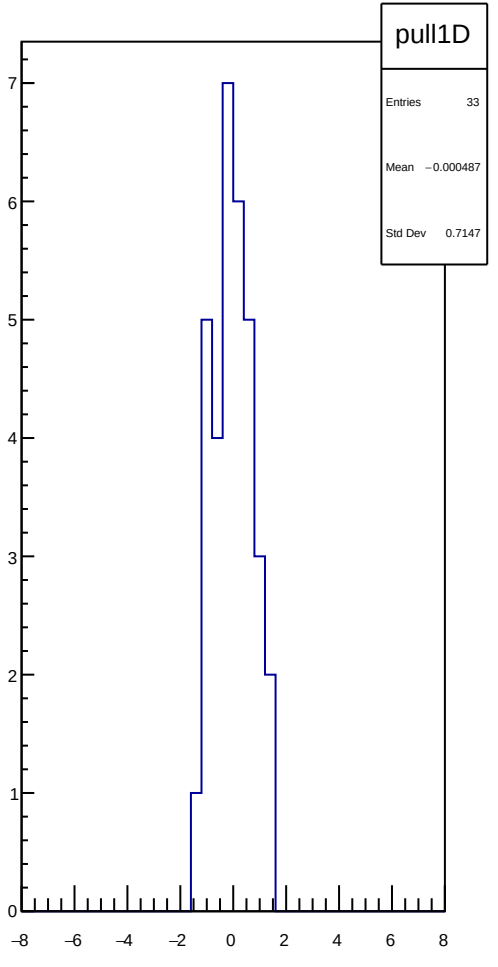

asym_atr_dd_correction_rms vs run
χ² / ndf 3869 / 32
p0 4509 ± 5.596
5400
5200
5000
4800
4600
4400
4200
4000
3800
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

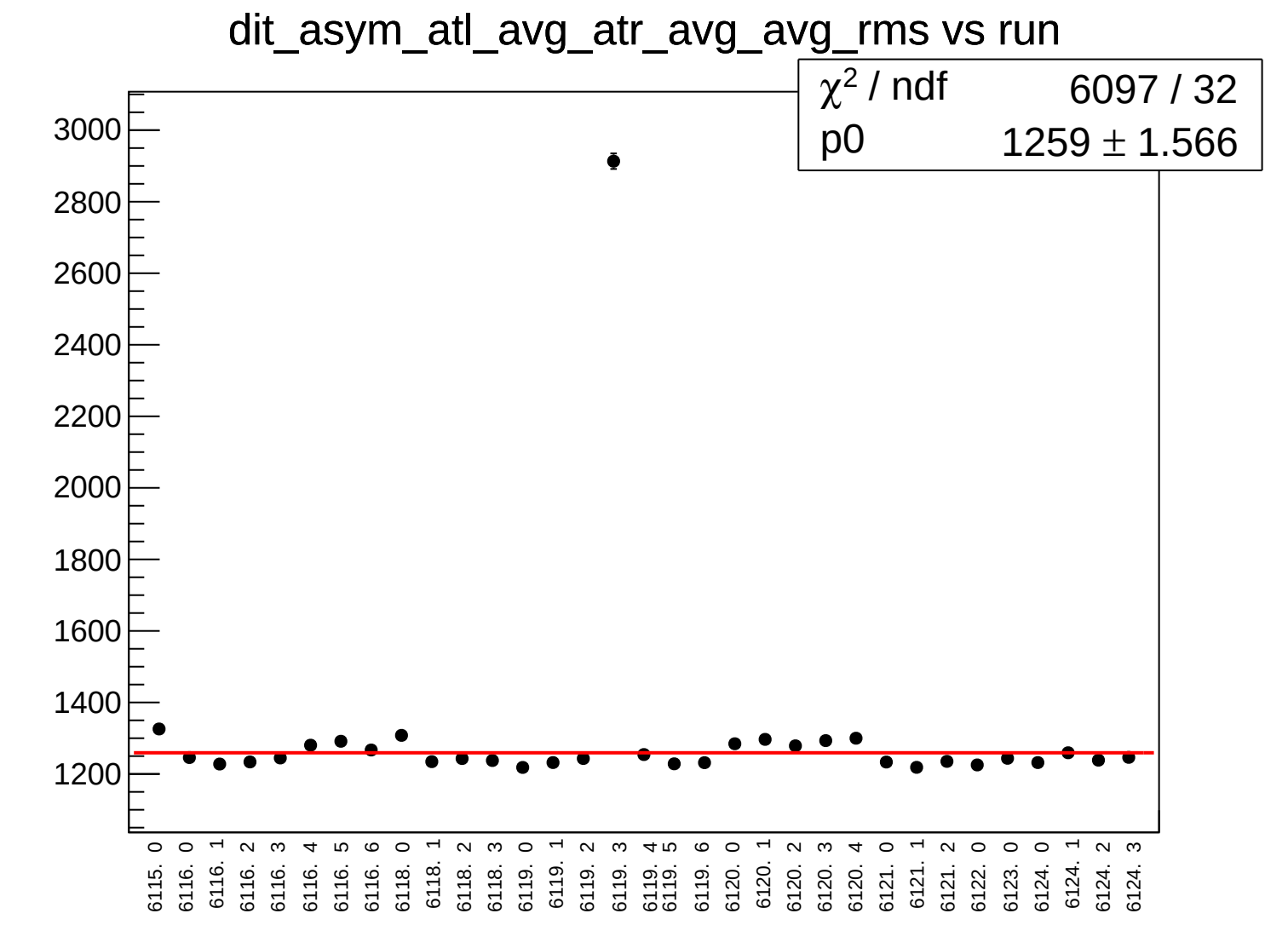

asym_atr_dd_mean vs run
×10^3
χ² / ndf 31.74 / 32
p0 6028 ± 8602
150
100
50
0
−50
−100
−150
−200
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 51.89
Std Dev 54.38
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

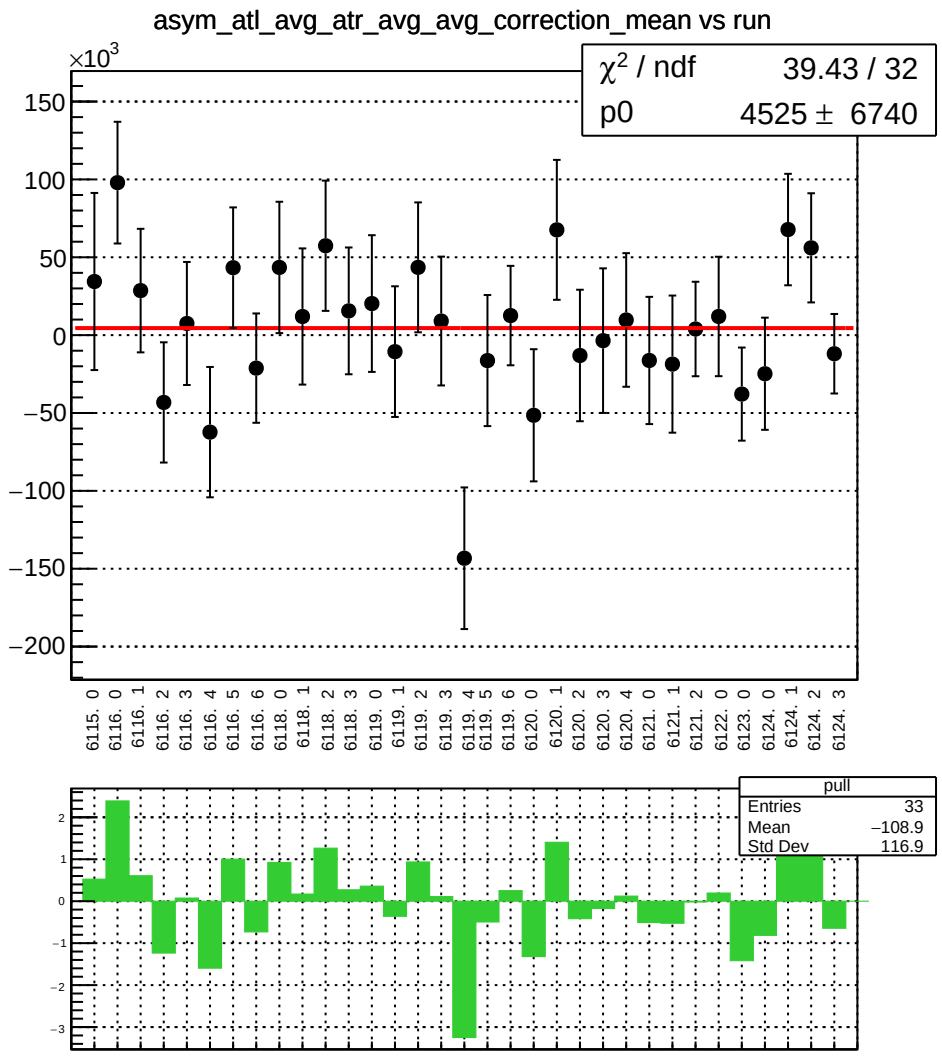

pull1D
Entries 33
Mean −0.008222
Std Dev 0.9808
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

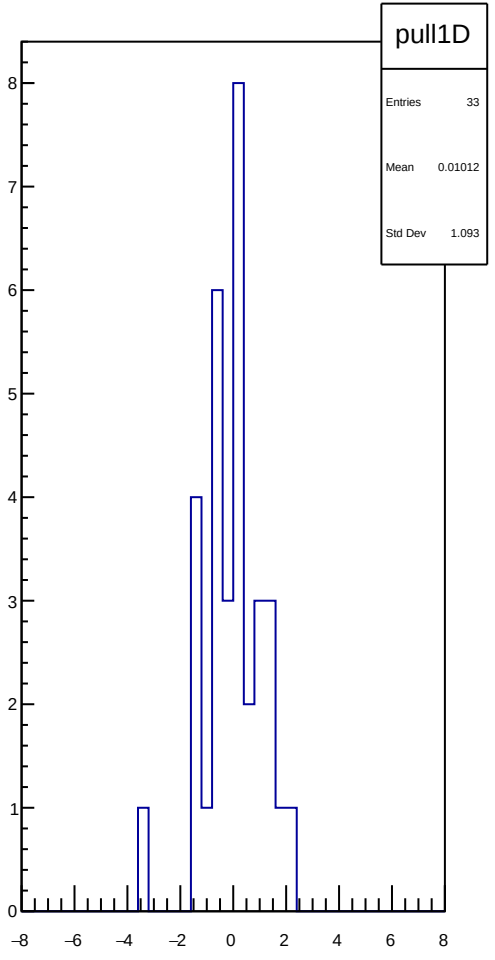

asym_atr_dd_rms vs run
χ^2 / ndf 2691 / 32
p0 4906 ± 6.083
5600
5400
5200
5000
4800
4600
4400
4200
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

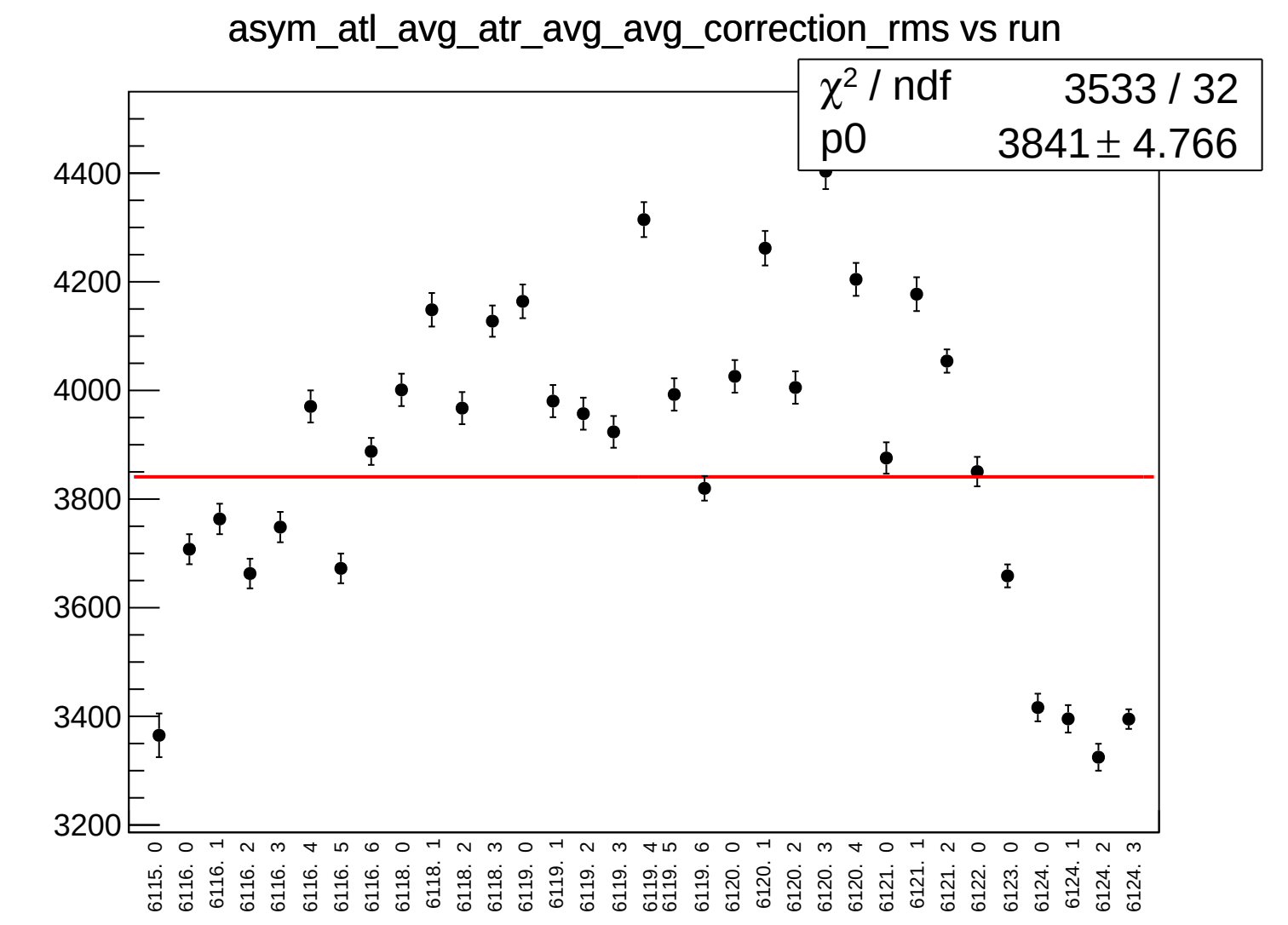

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 16.86 / 32
p0 −5511 ± 2214
60000
40000
20000
0
−20000
−40000
−60000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −1054
Std Dev 1080
1.5
1
0.5
0
−0.5
−1
−1.5

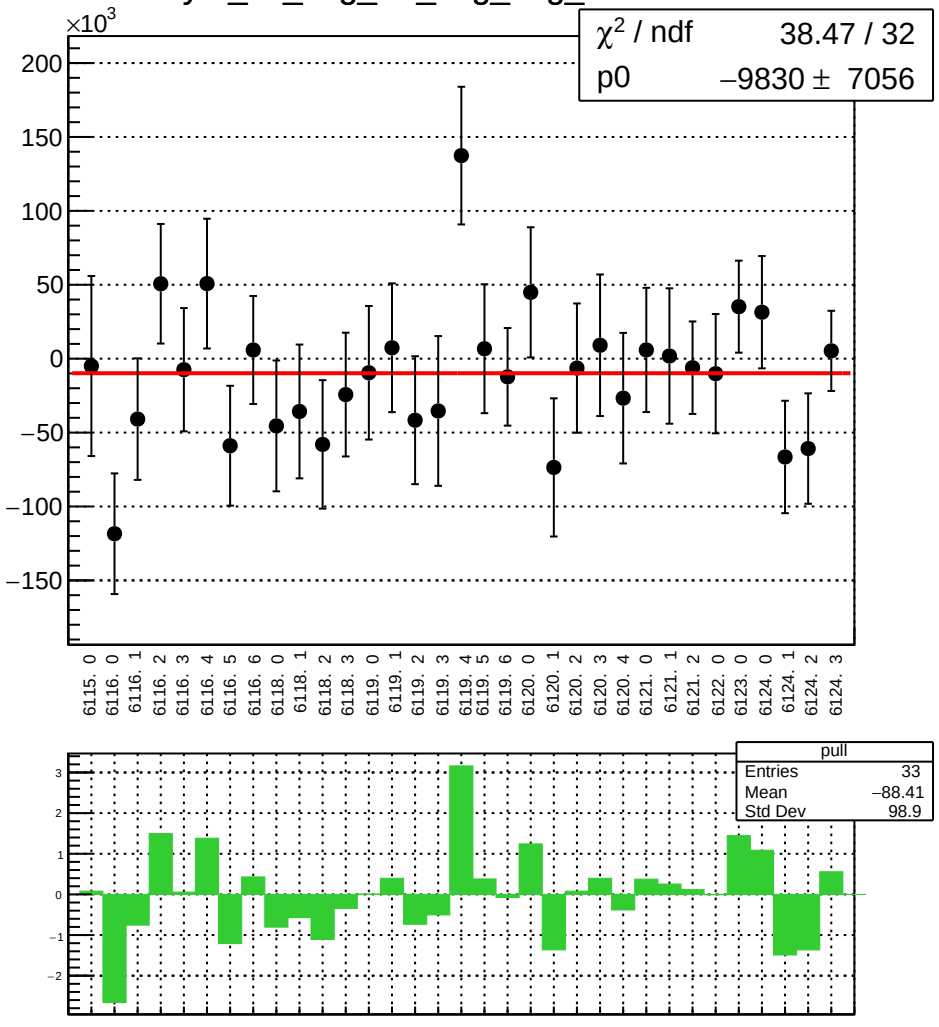

pull1D
Entries 33
Mean −0.000487
Std Dev 0.7147
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

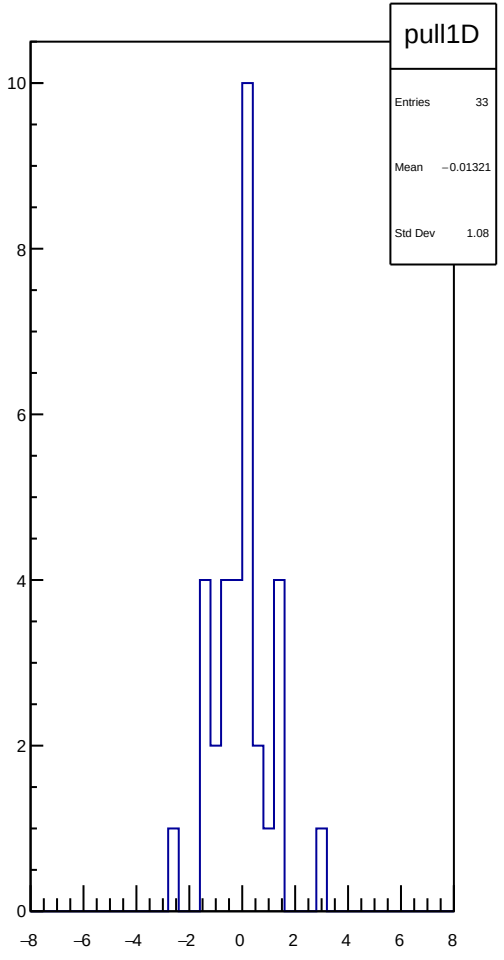

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 6097 / 32
p0 1259 ± 1.566
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

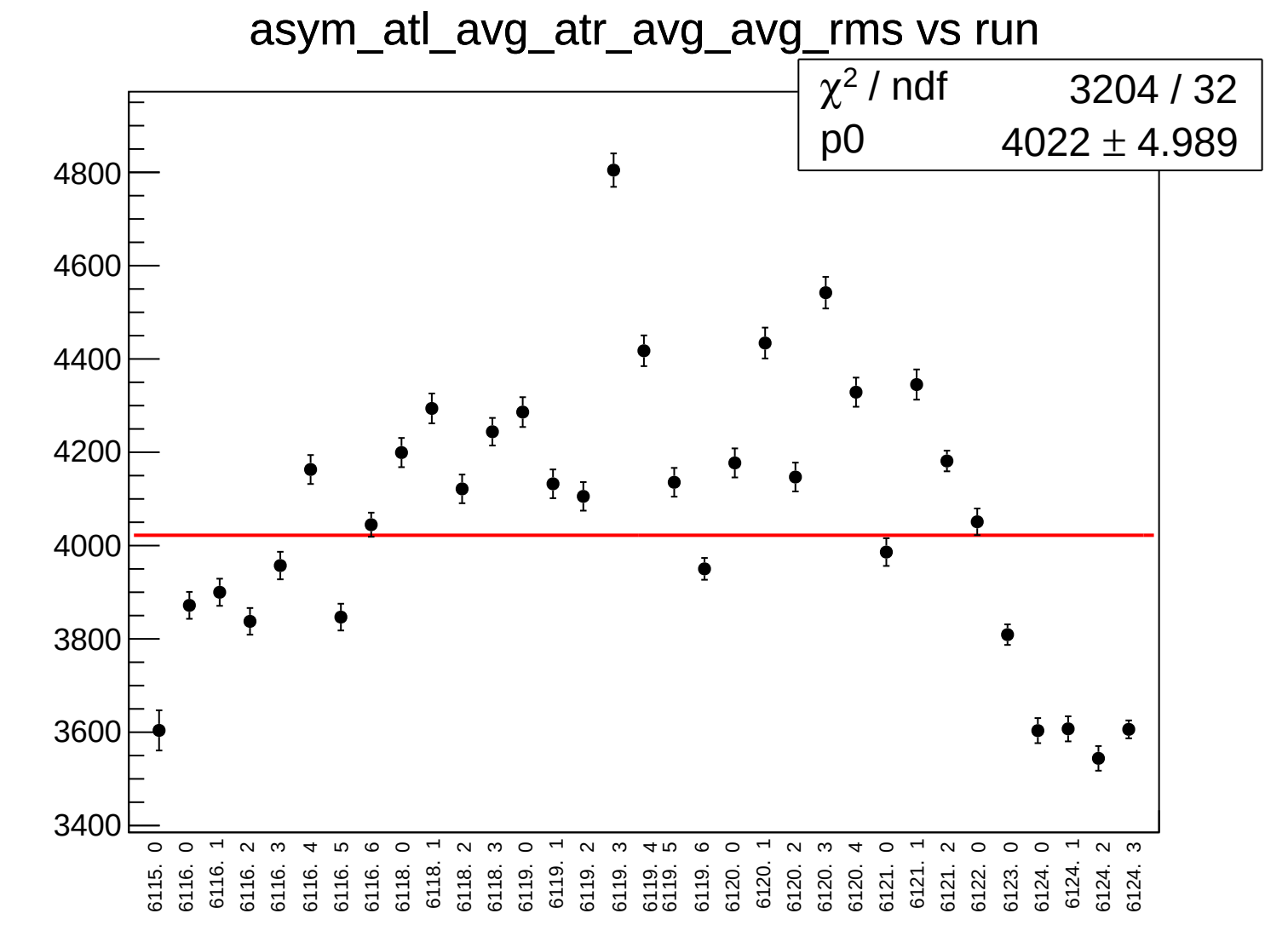

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ^2 / ndf 39.43 / 32
p0 4525 ± 6740
150
100
50
0
−50
−100
−150
−200
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −108.9
Std Dev 116.9
2
1
0
−1
−2
−3

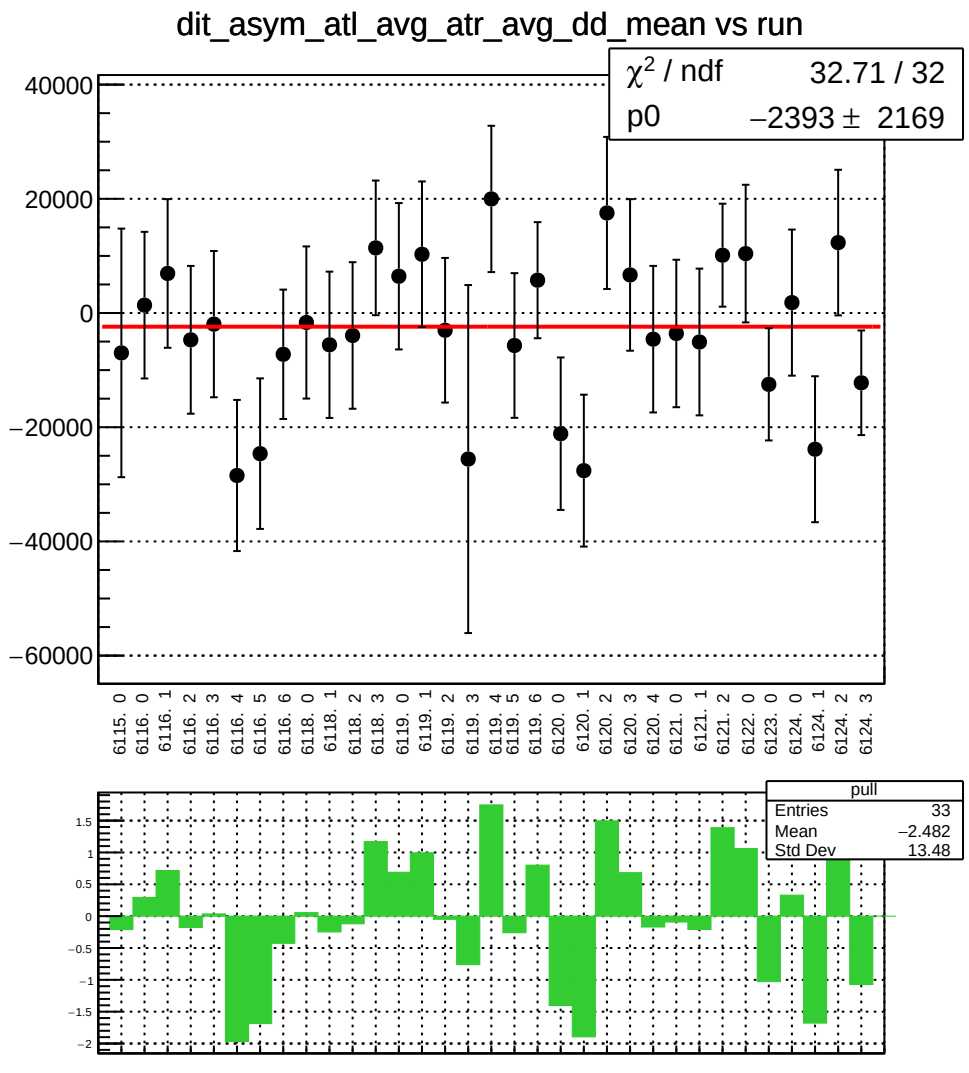

pull1D
Entries 33
Mean 0.01012
Std Dev 1.093
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

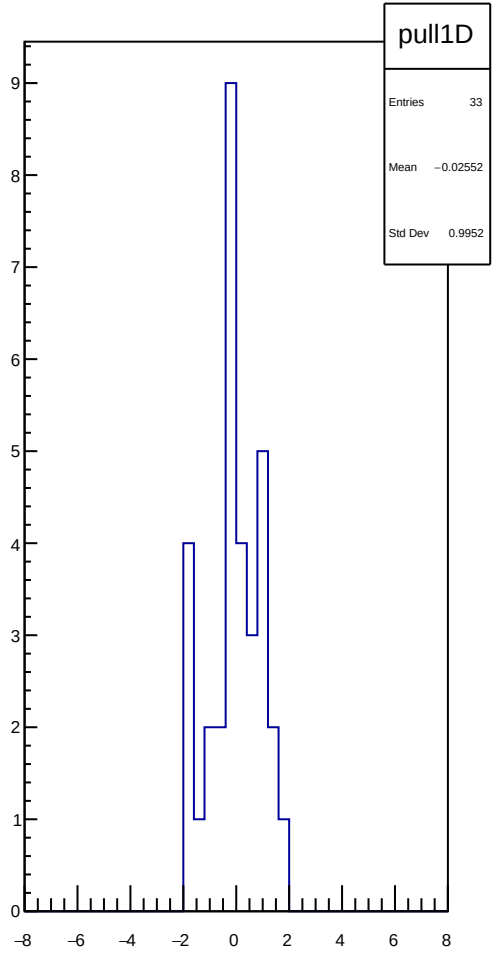

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 3533 / 32
p0 3841 ± 4.766
4400
4200
4000
3800
3600
3400
3200
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

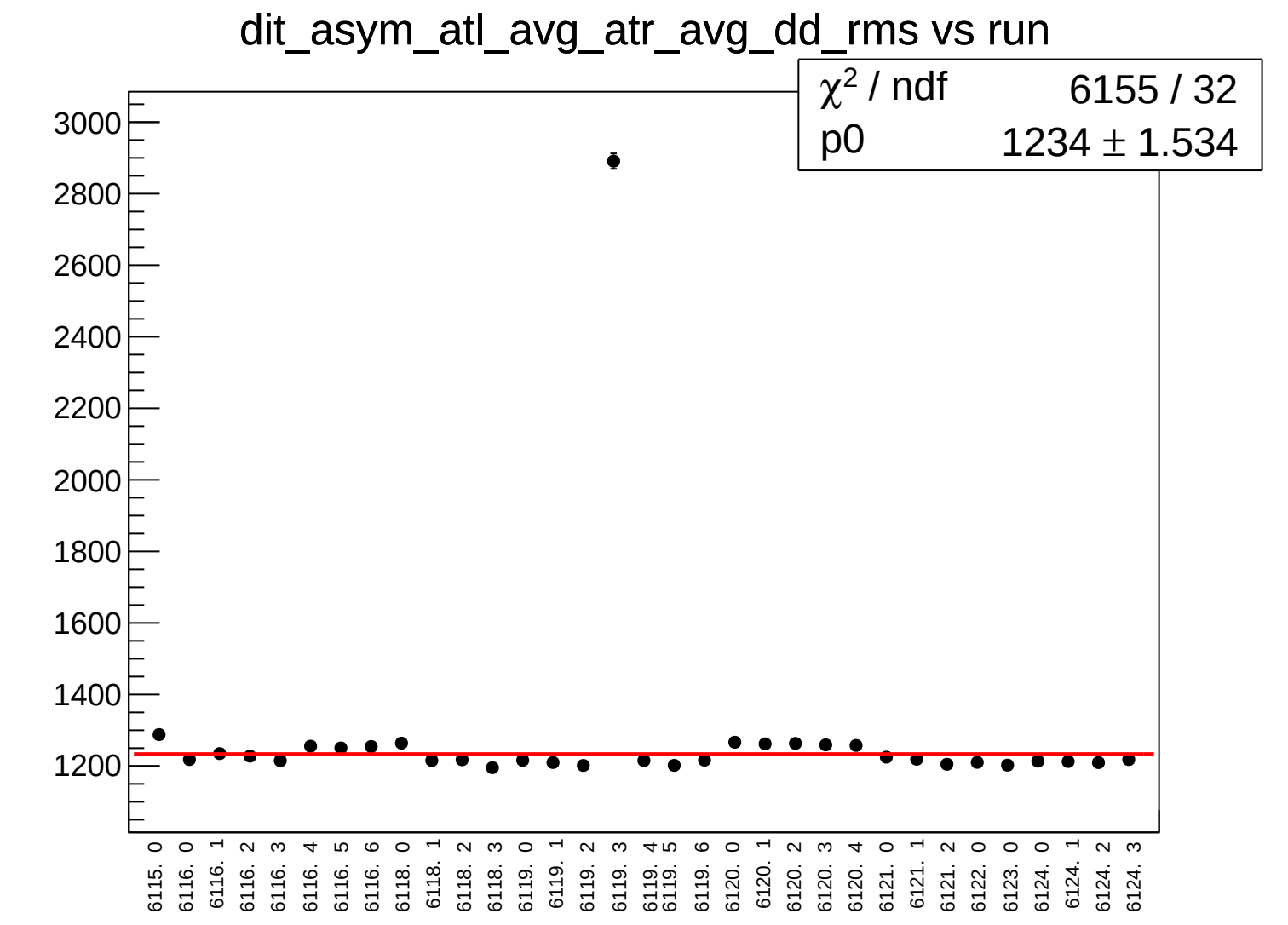

asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 38.47 / 32
p0 −9830 ± 7056
×10³
200
150
100
50
0
−50
−100
−150
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −88.41
Std Dev 98.9
3
2
1
0
−1
−2

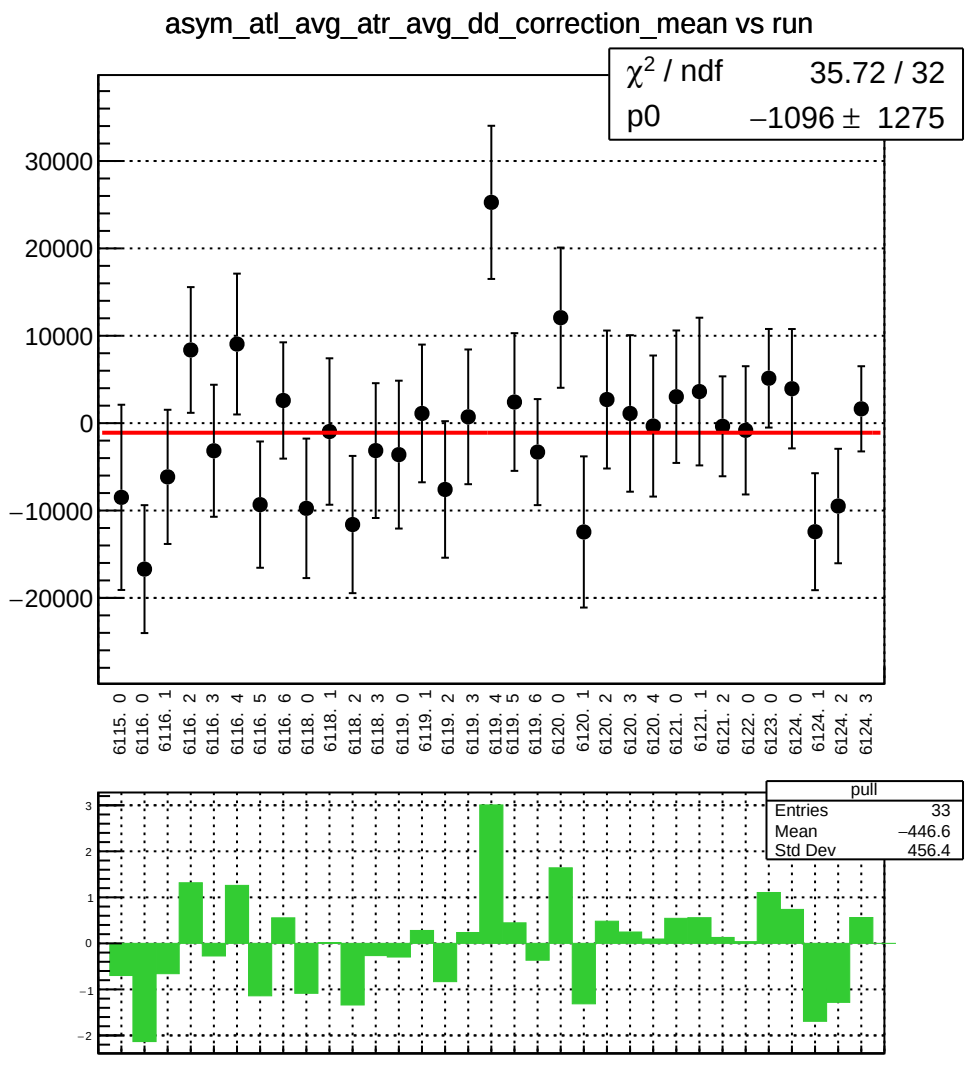

pull1D
Entries 33
Mean −0.01321
Std Dev 1.08
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

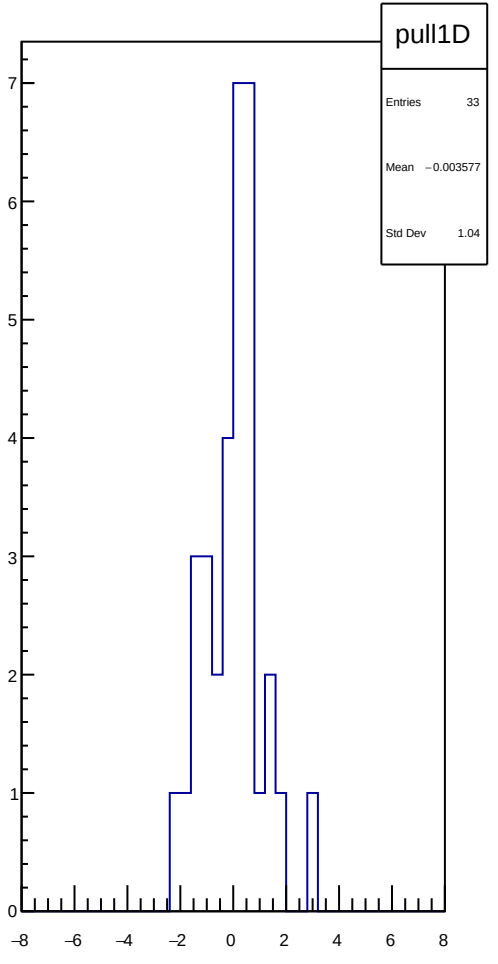

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 3204 / 32
p0 4022 ± 4.989
4800
4600
4400
4200
4000
3800
3600
3400
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

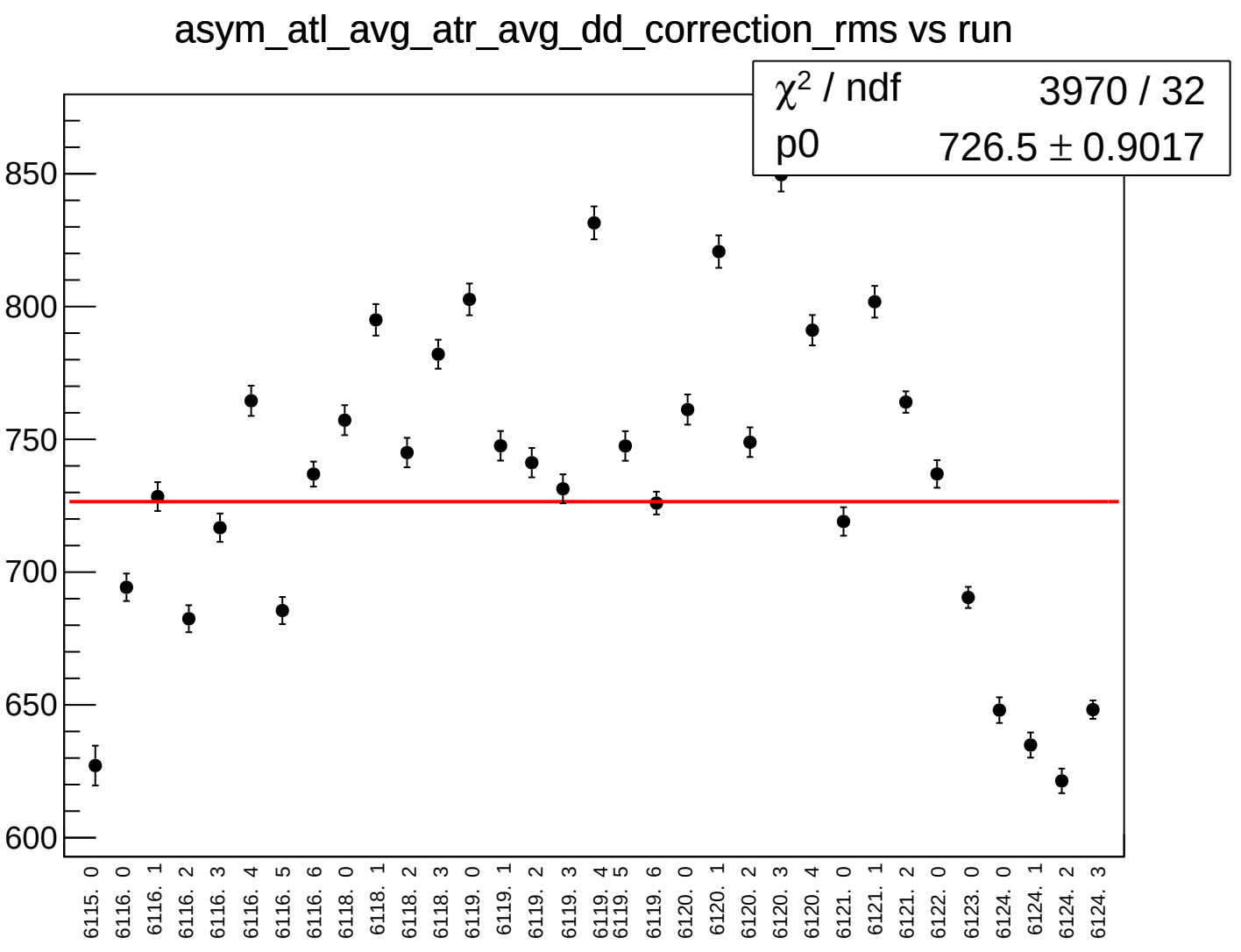

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 32.71 / 32
p0 −2393 ± 2169
40000
20000
0
−20000
−40000
−60000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −2.482
Std Dev 13.48
1.5
1
0.5
0
−0.5
−1
−1.5
−2

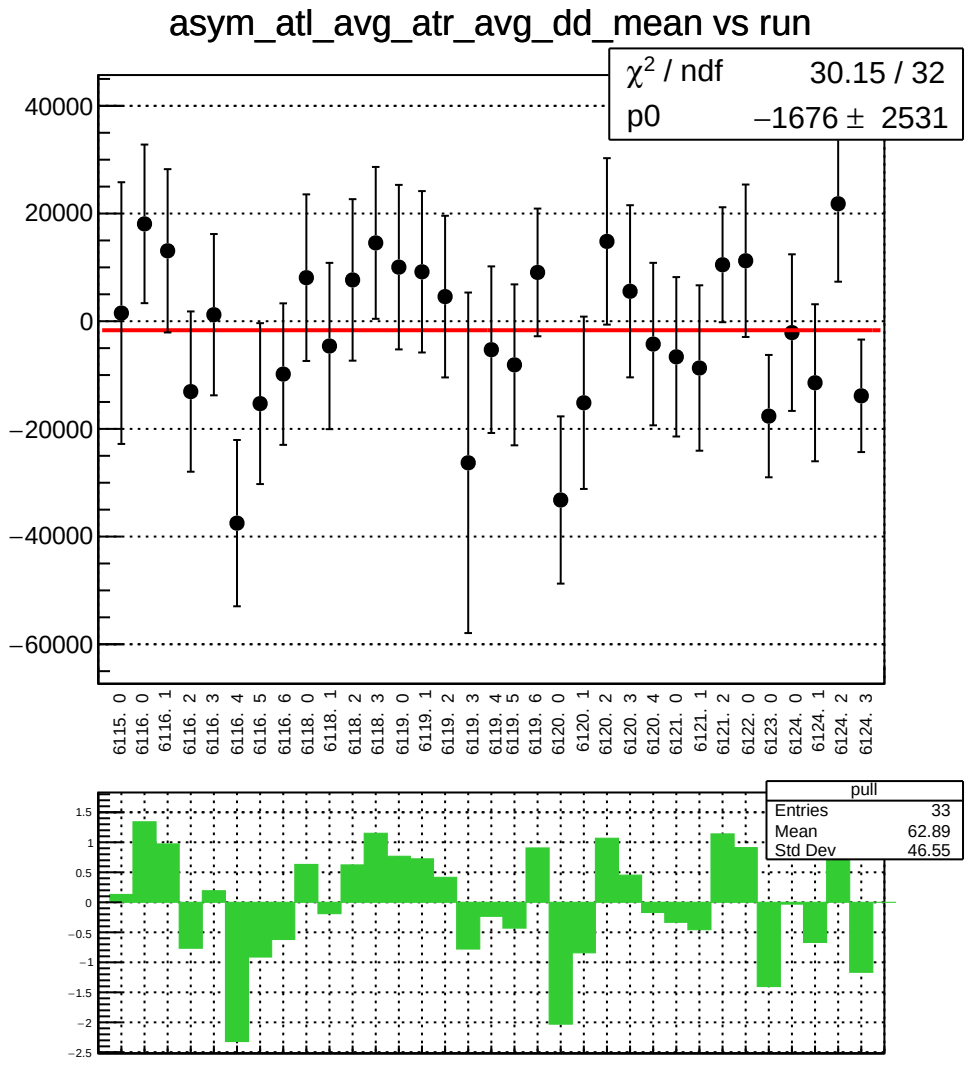

pull1D
Entries 33
Mean −0.02552
Std Dev 0.9952
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

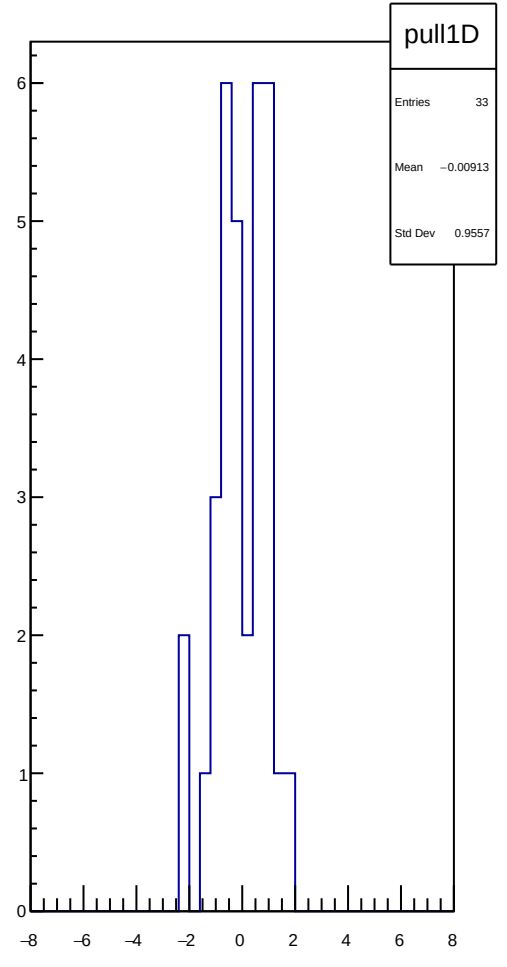

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 6155 / 32
p0 1234 ± 1.534
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

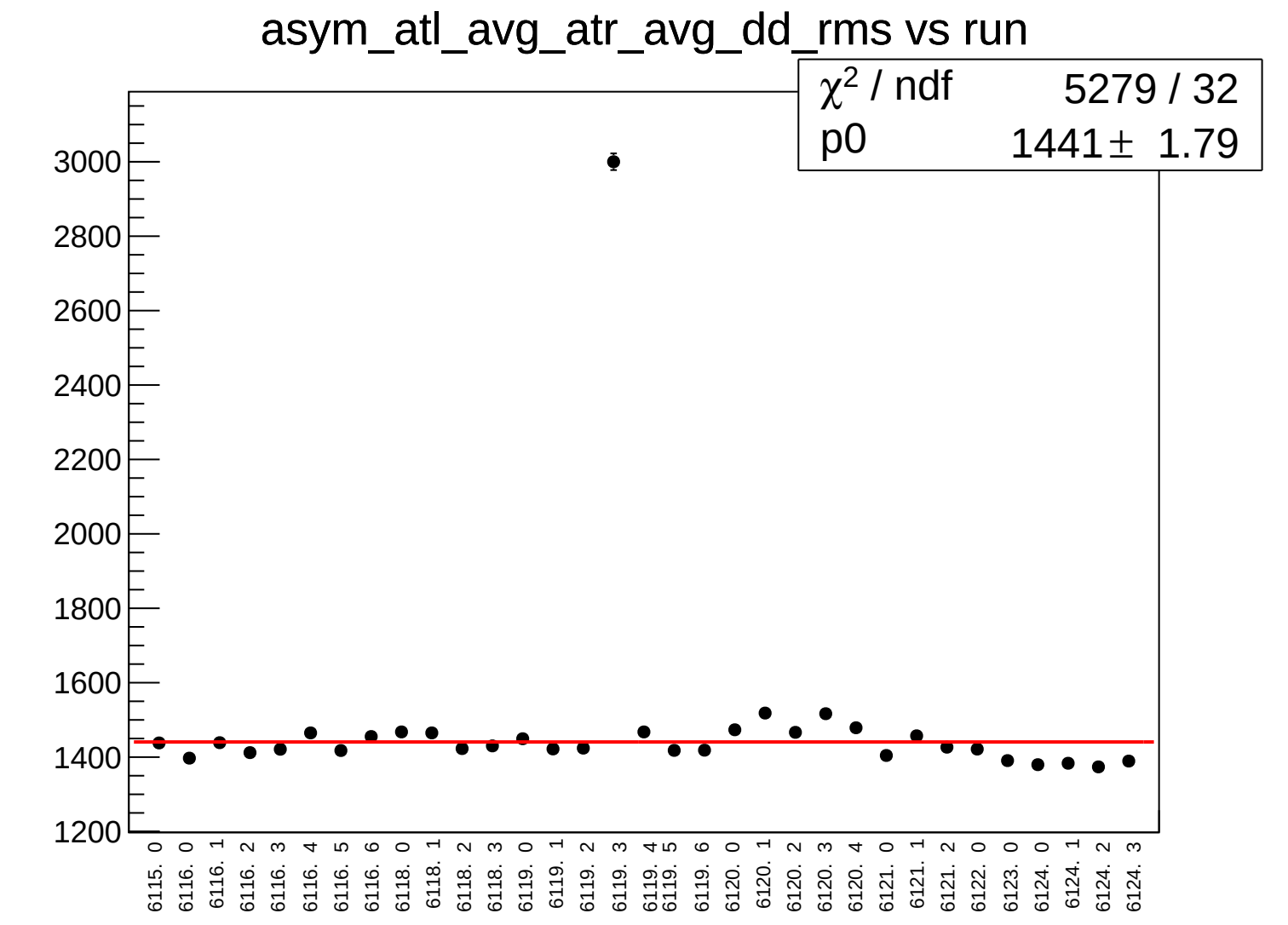

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 35.72 / 32
p0 −1096 ± 1275
30000
20000
10000
0
−10000
−20000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −446.6
Std Dev 456.4
3
2
1
0
−1
−2

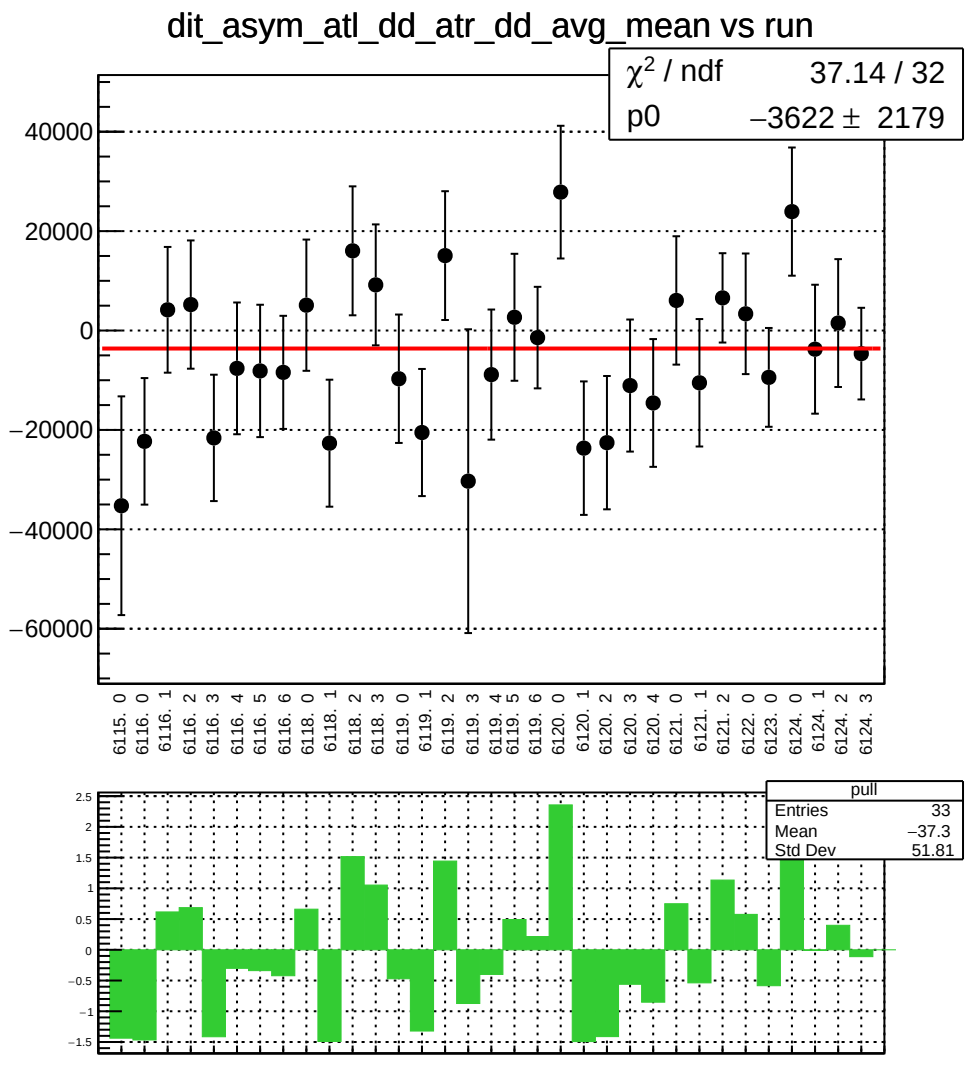

pull1D
Entries 33
Mean −0.003577
Std Dev 1.04
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

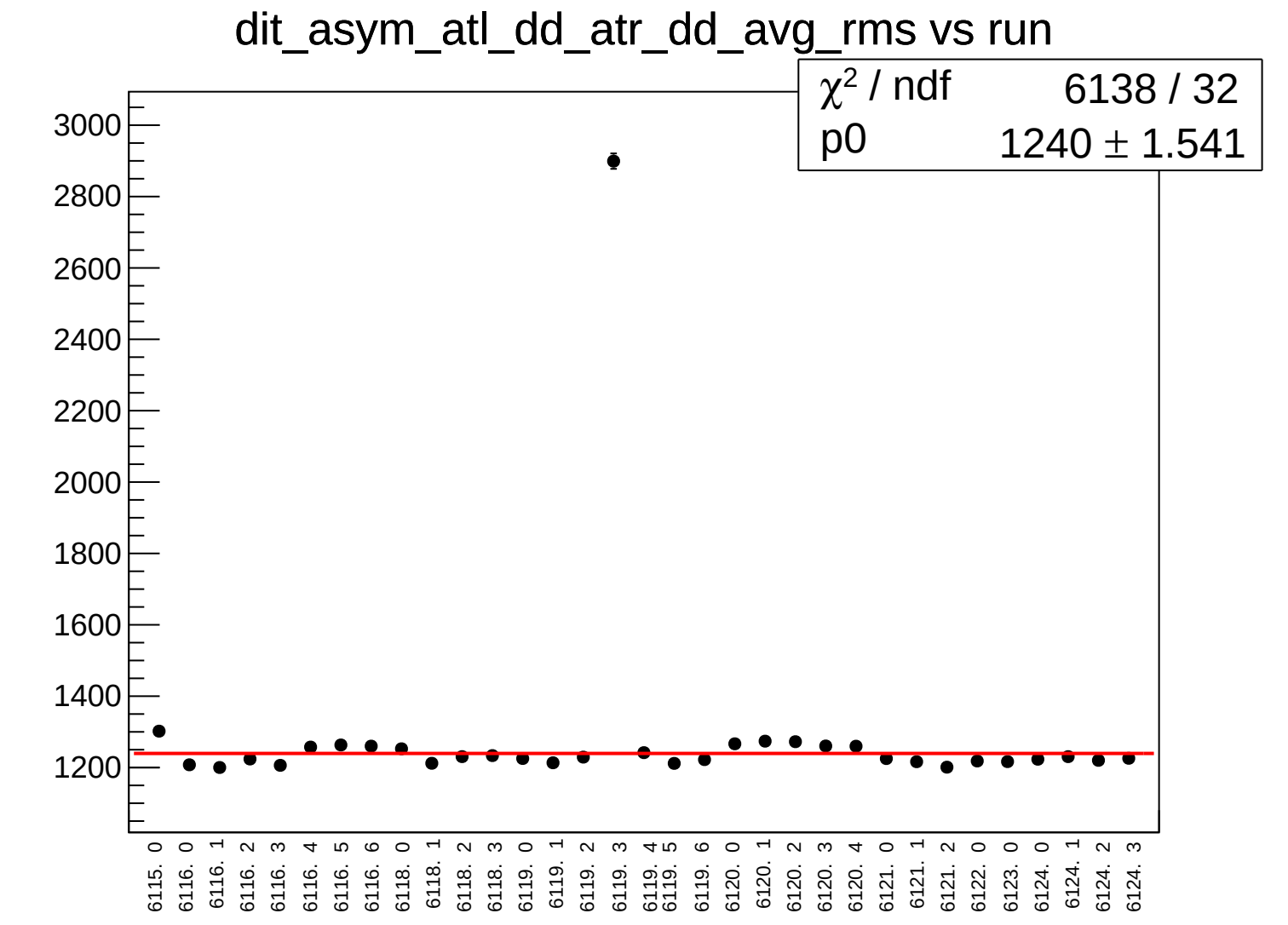

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 3970 / 32
p0 726.5 ± 0.9017
850
800
750
700
650
600
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

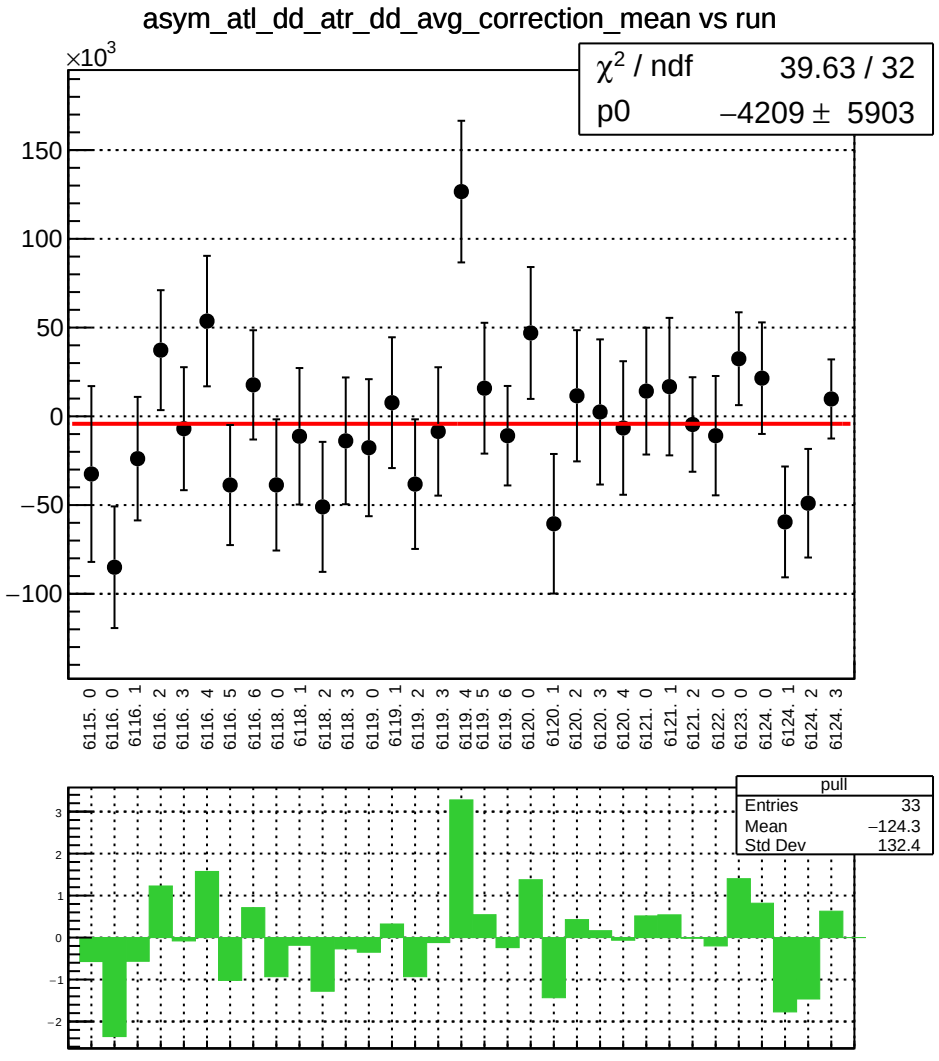

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 30.15 / 32
p0 −1676 ± 2531
40000
20000
0
−20000
−40000
−60000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 62.89
Std Dev 46.55
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

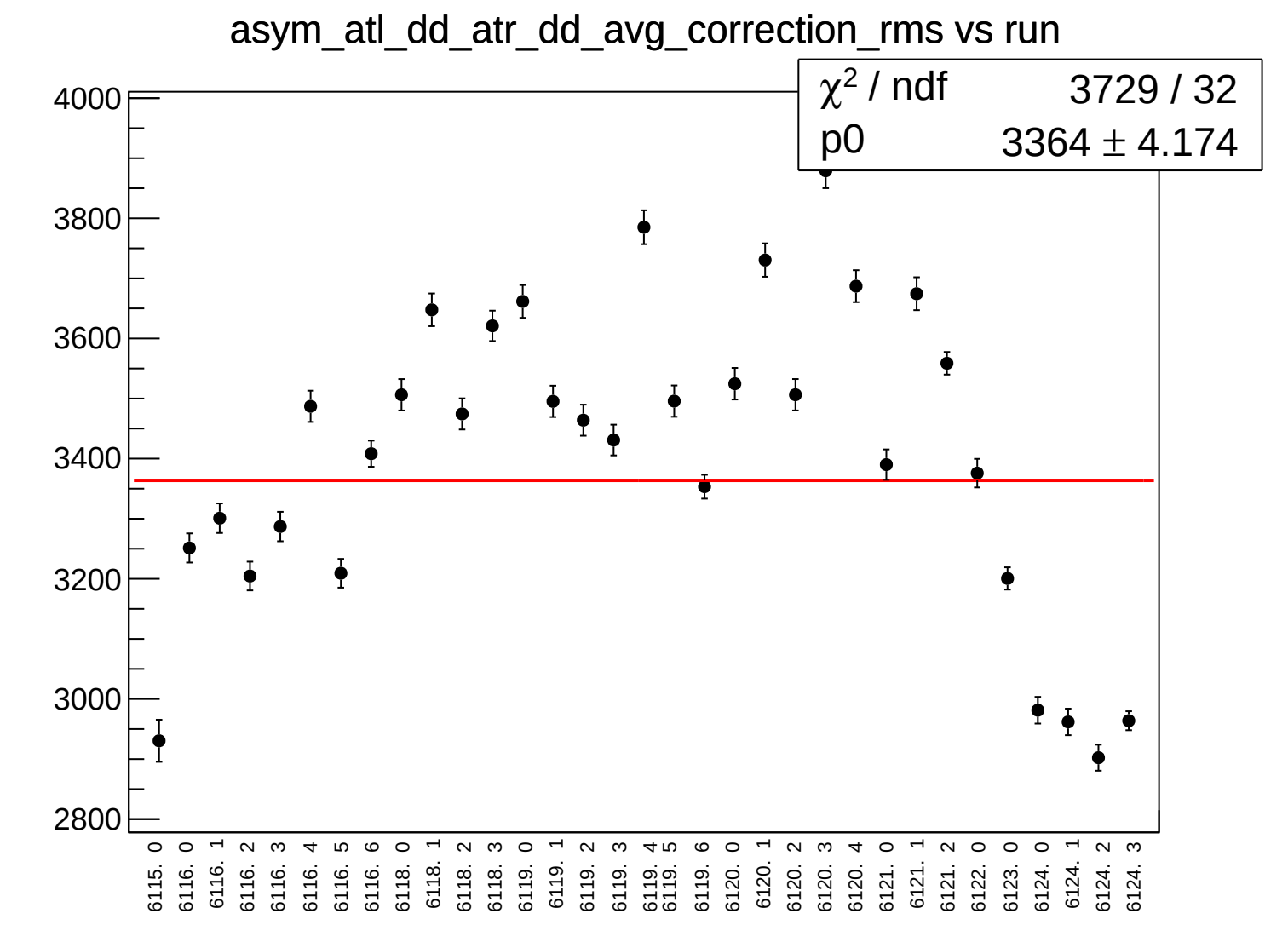

pull1D
Entries 33
Mean −0.00913
Std Dev 0.9557
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

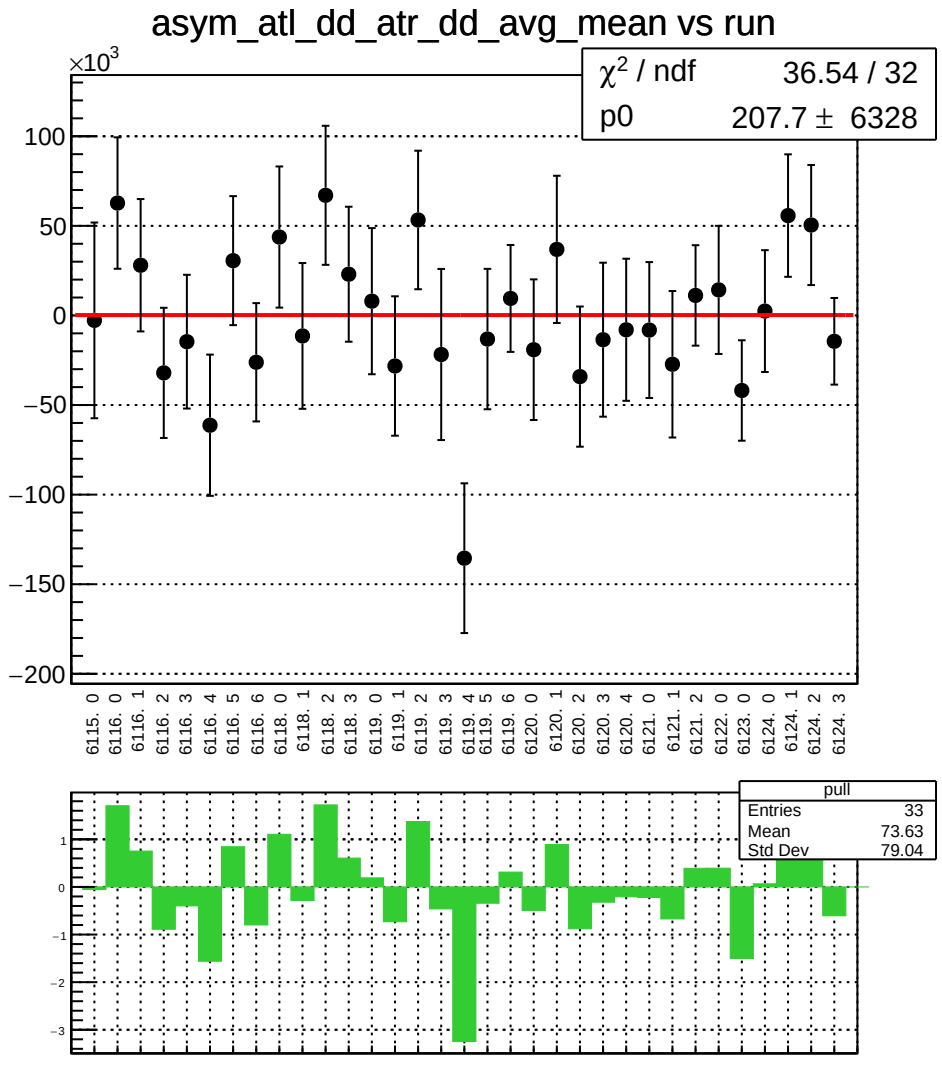

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 5279 / 32
p0 1441 ± 1.79
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

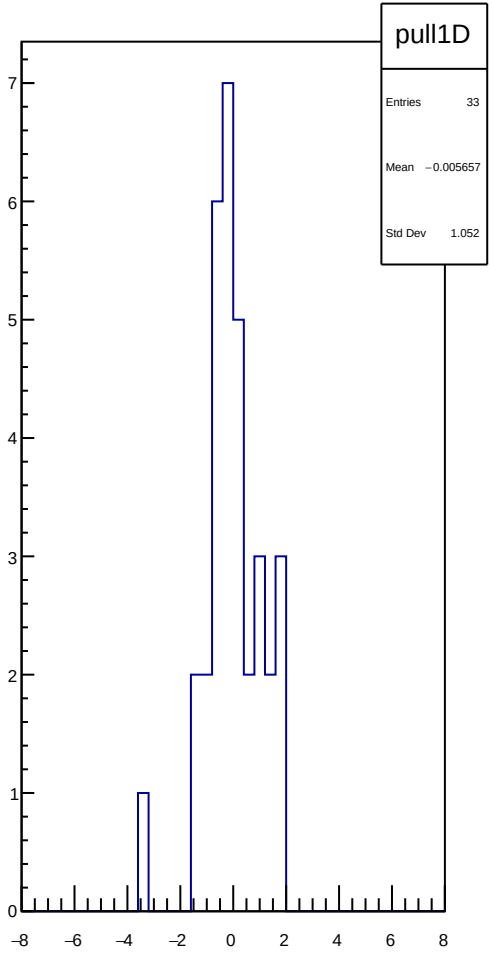

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 37.14 / 32
p0 −3622 ± 2179
40000
20000
0
−20000
−40000
−60000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −37.3
Std Dev 51.81
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.04441
Std Dev 1.06
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

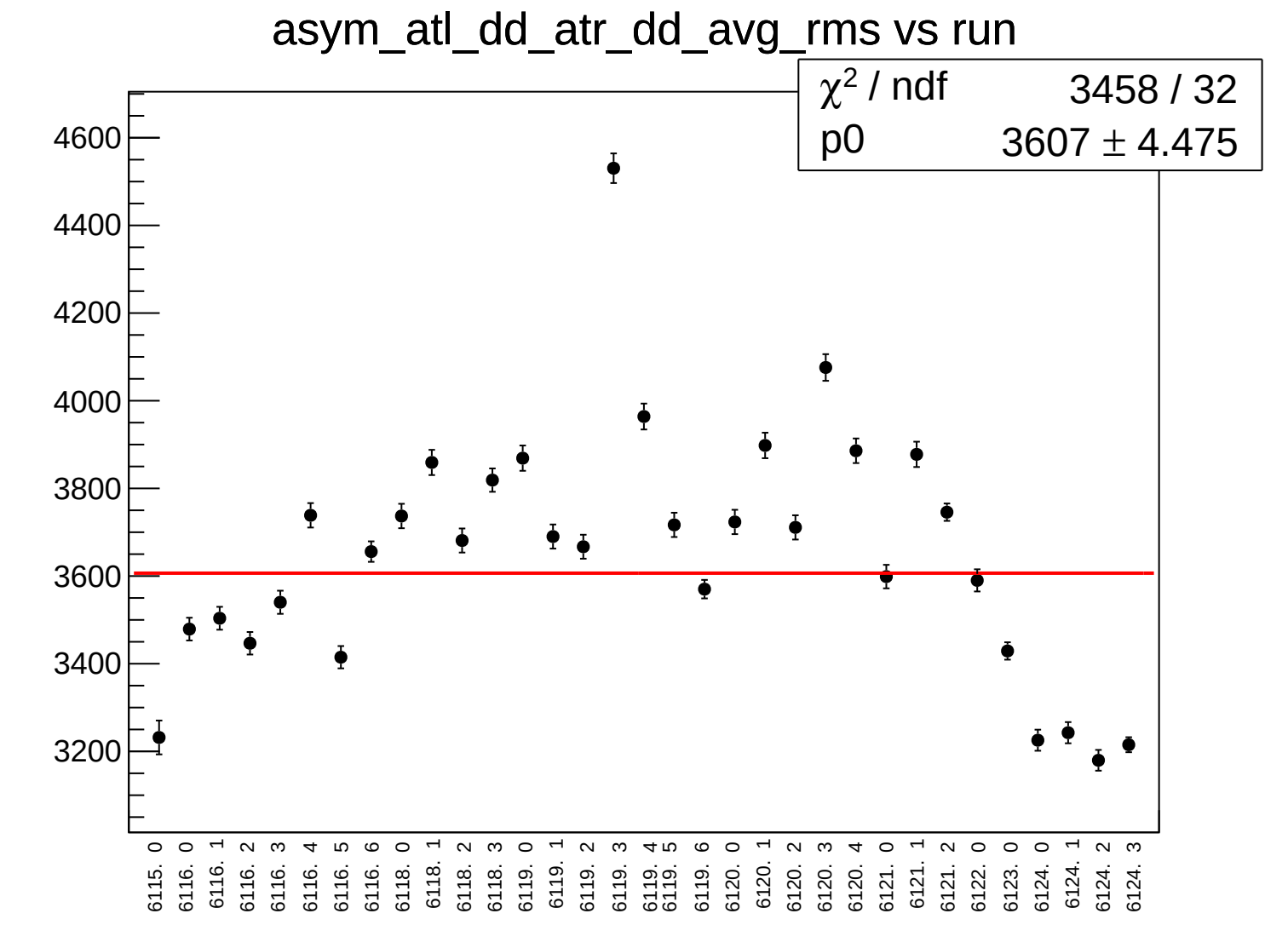

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 6138 / 32
p0 1240 ± 1.541
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

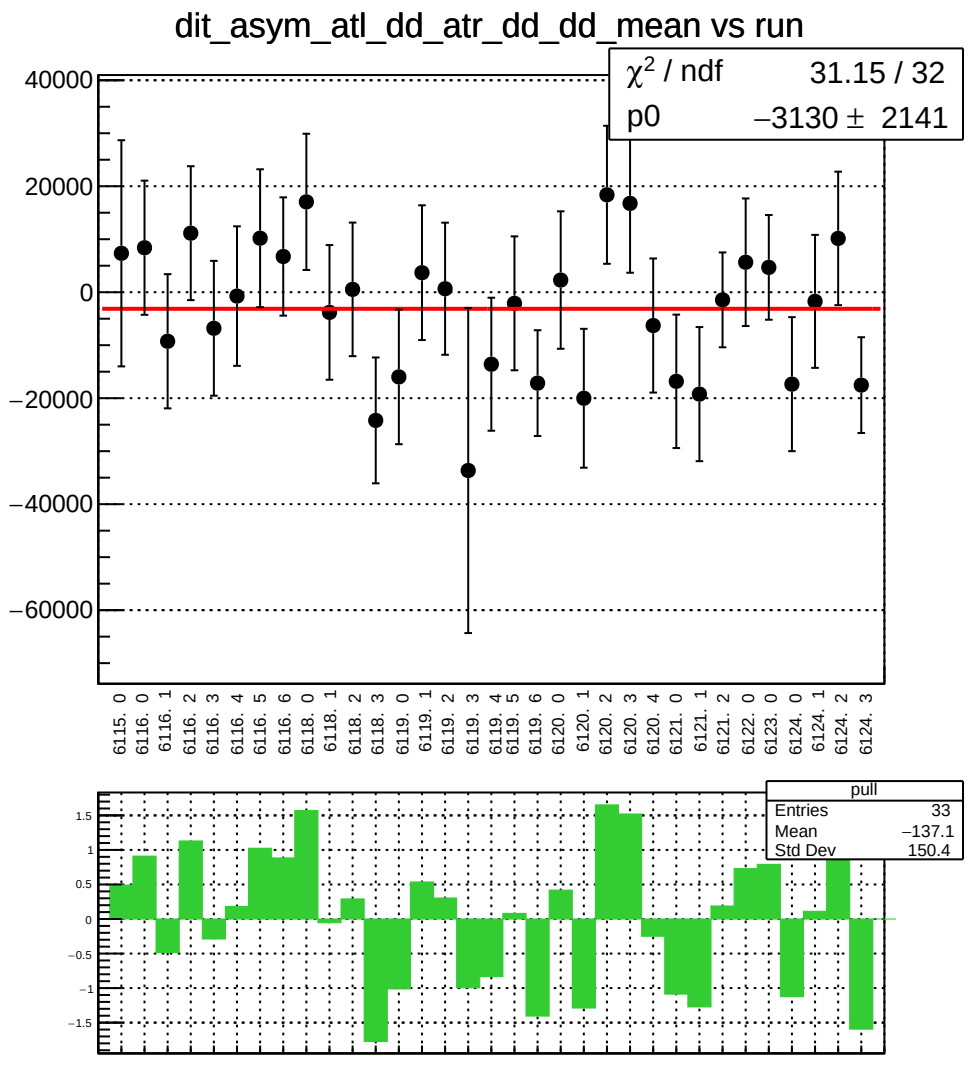

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 39.63 / 32
p0 −4209 ± 5903
150
100
50
0
−50
−100
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −124.3
Std Dev 132.4
3
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.009168
Std Dev 1.096
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

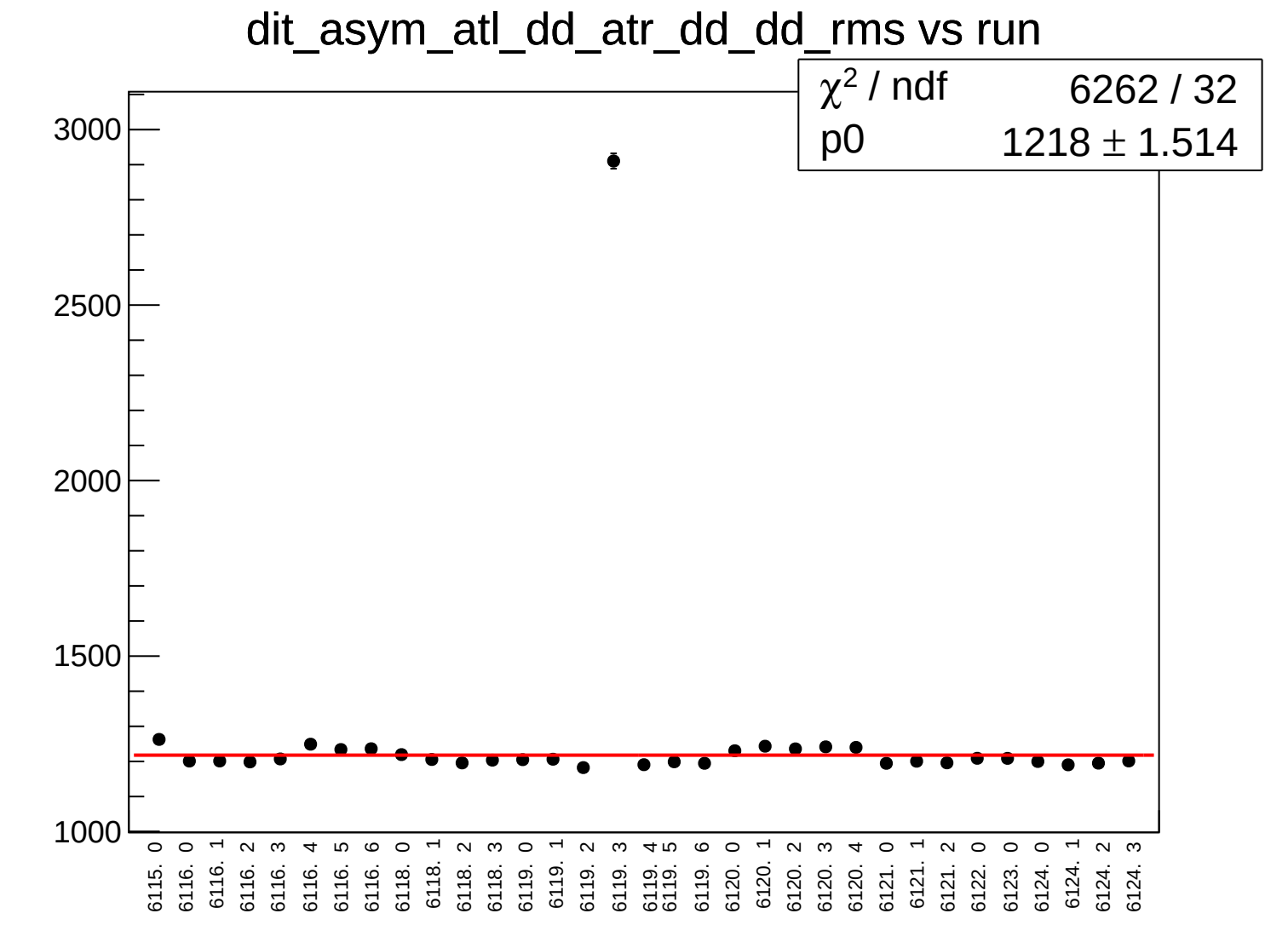

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 3729 / 32
p0 3364 ± 4.174
4000
3800
3600
3400
3200
3000
2800
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

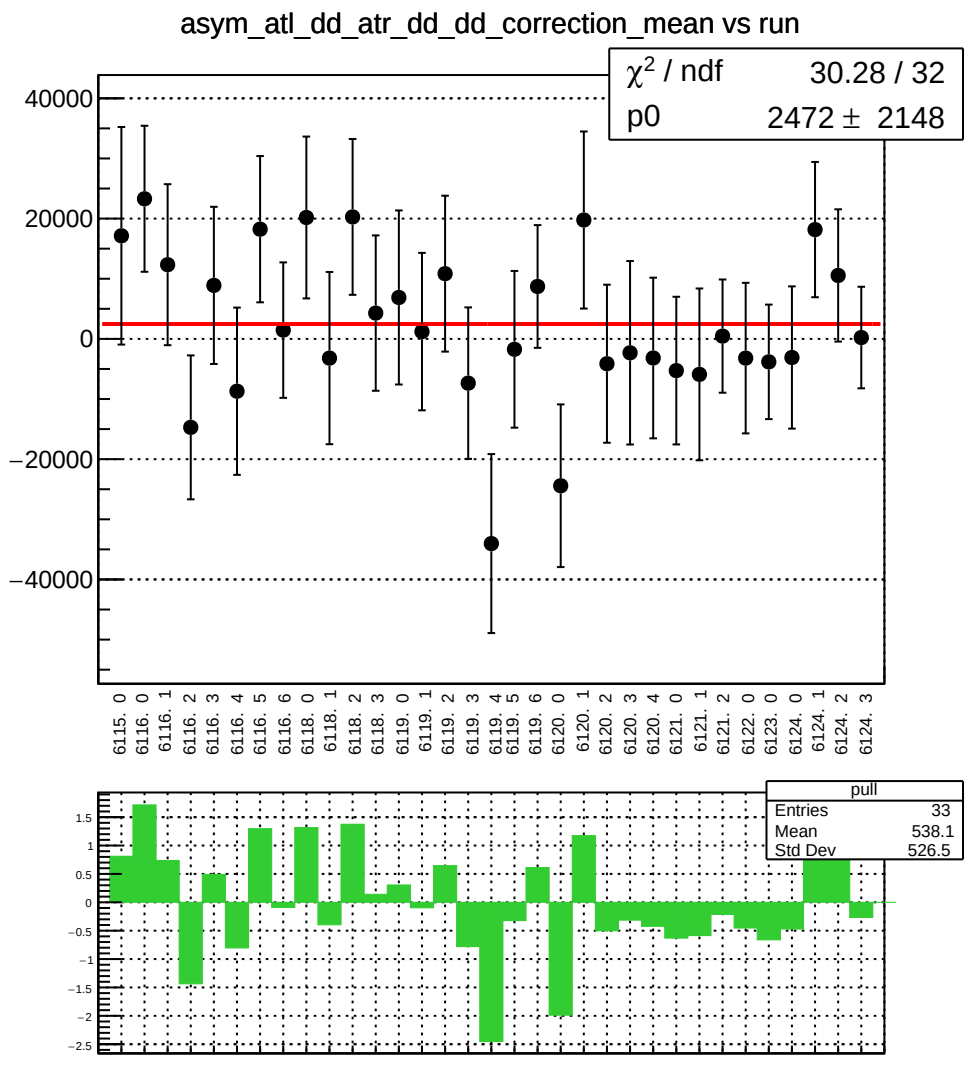

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ^2 / ndf 36.54 / 32
p0 207.7 ± 6328
100
50
0
−50
−100
−150
−200
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 73.63
Std Dev 79.04
1
0
−1
−2
−3

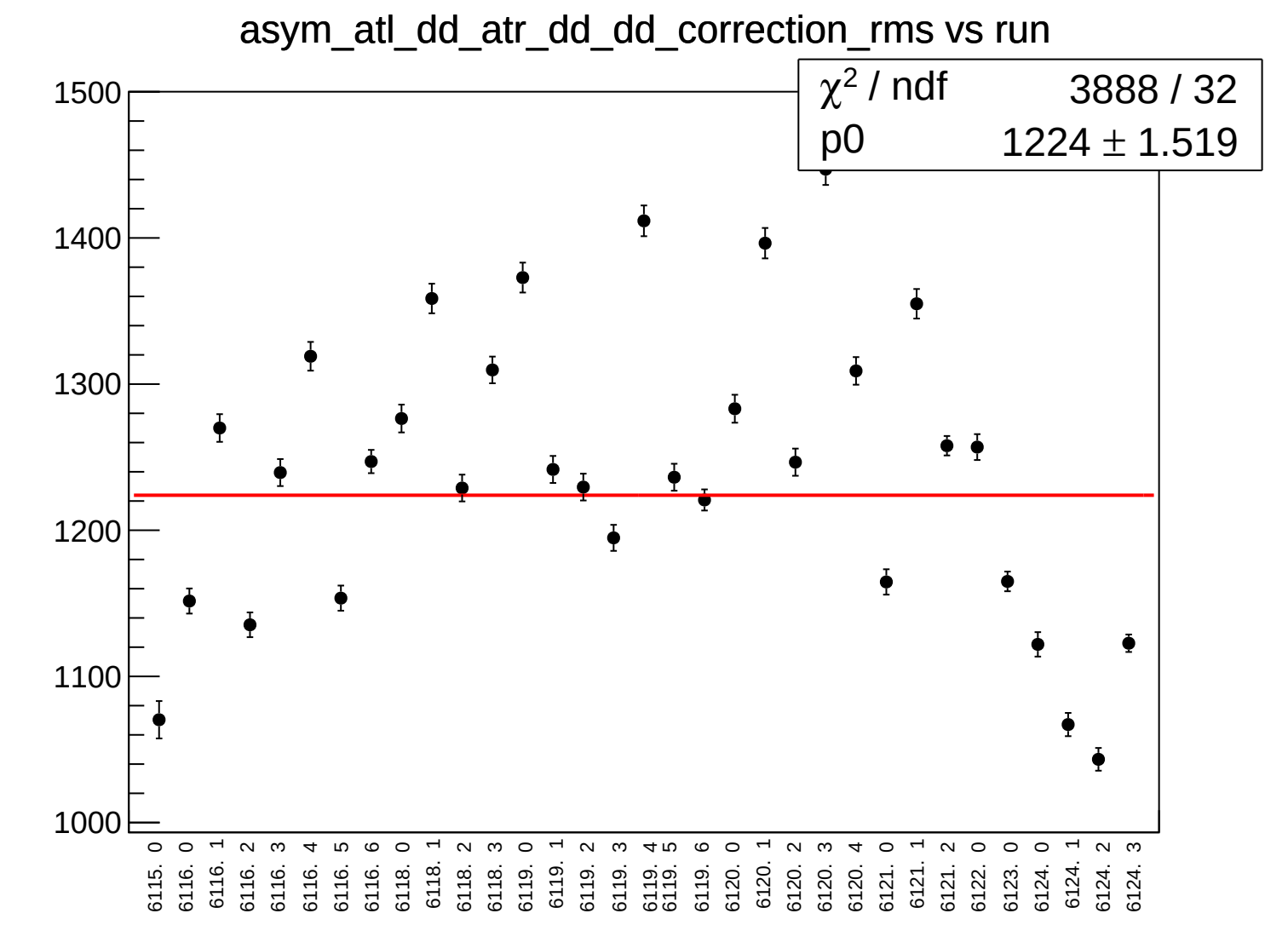

pull1D
Entries 33
Mean −0.005657
Std Dev 1.052
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

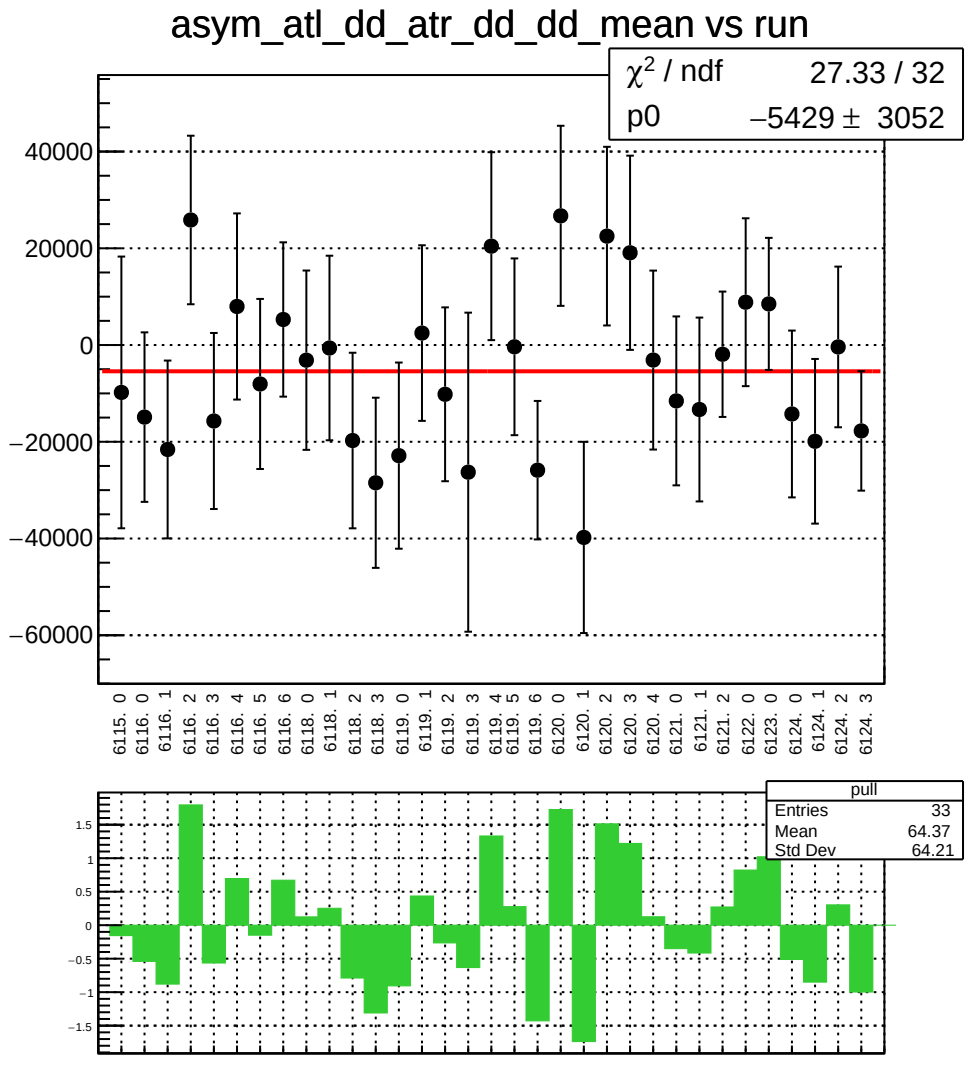

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 3458 / 32
p0 3607 ± 4.475
4600
4400
4200
4000
3800
3600
3400
3200
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

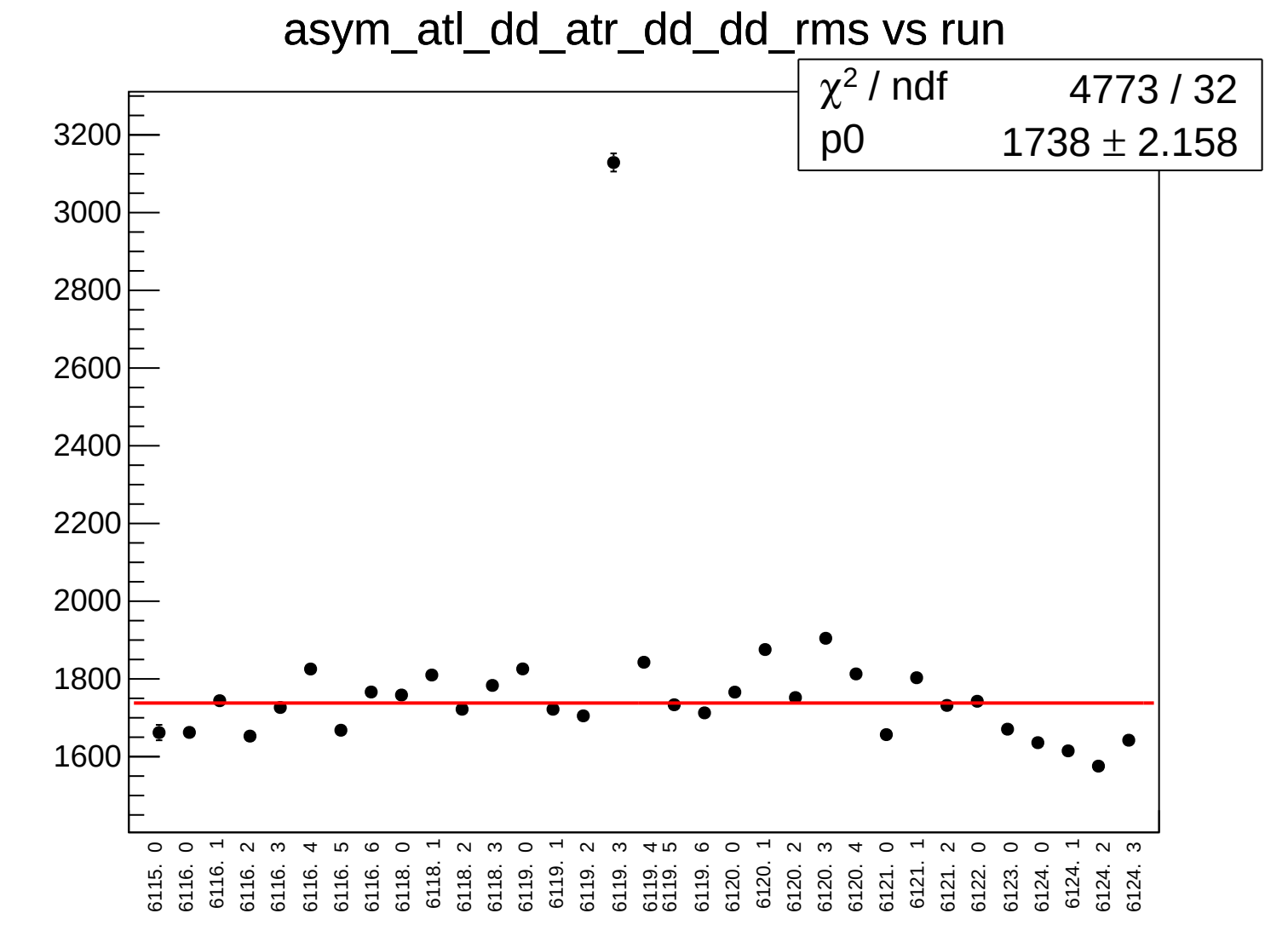

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 31.15 / 32
p0 −3130 ± 2141
40000
20000
0
−20000
−40000
−60000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −137.1
Std Dev 150.4
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.0124
Std Dev 0.9716
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

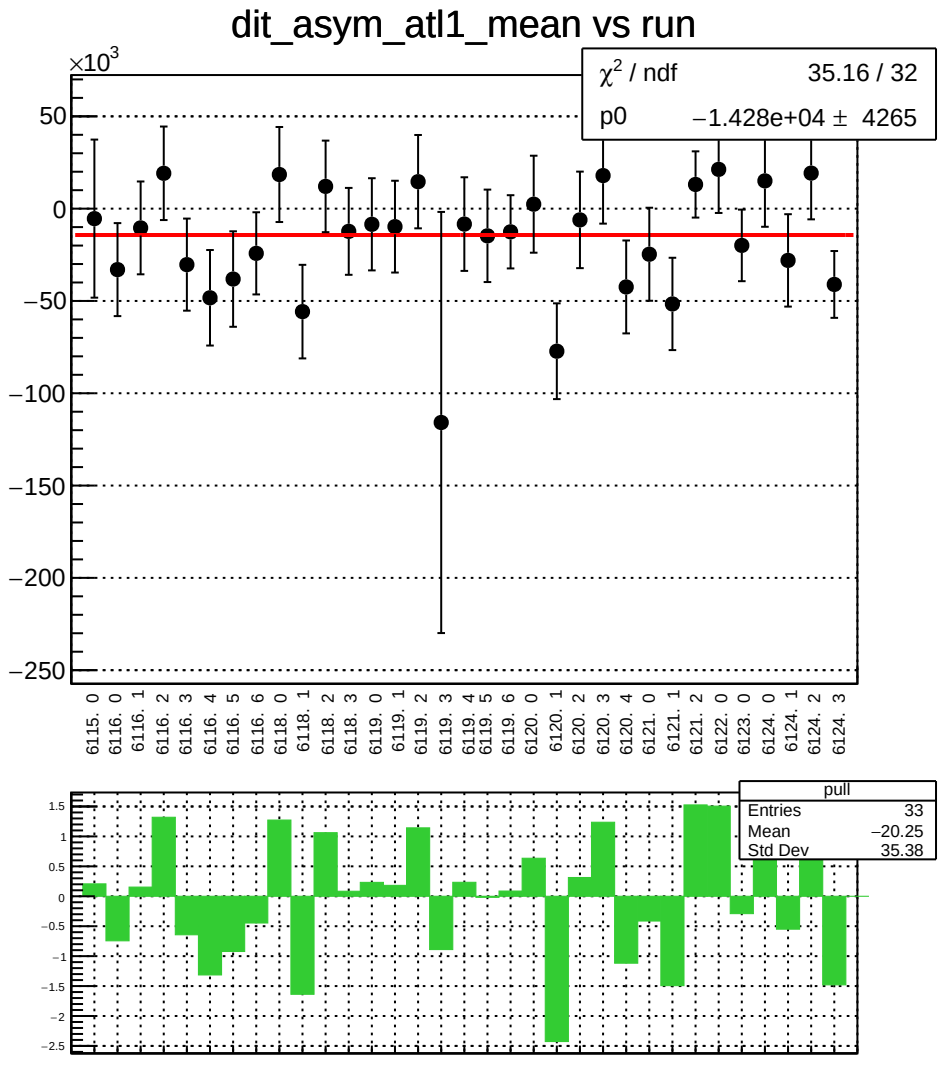

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 6262 / 32
p0 1218 ± 1.514
3000
2500
2000
1500
1000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

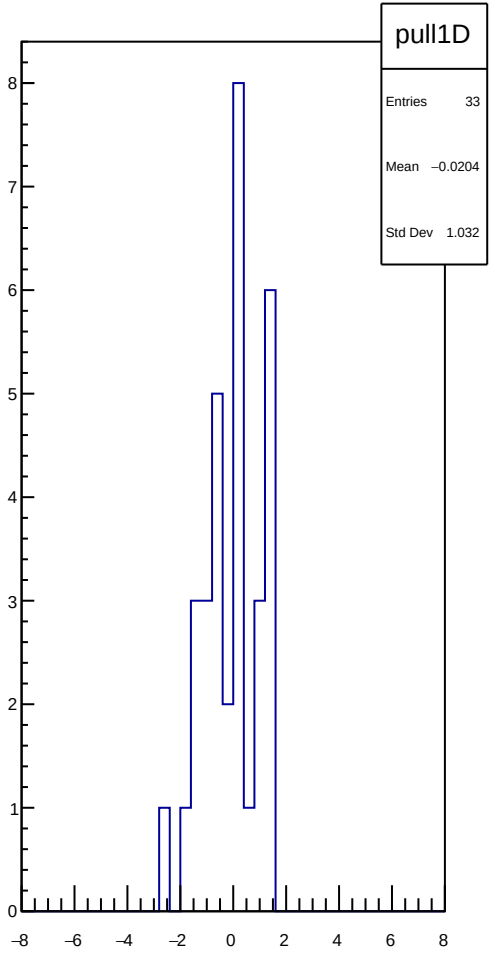

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 30.28 / 32
p0 2472 ± 2148
40000
20000
0
−20000
−40000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 538.1
Std Dev 526.5
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean −0.004104
Std Dev 0.9579
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

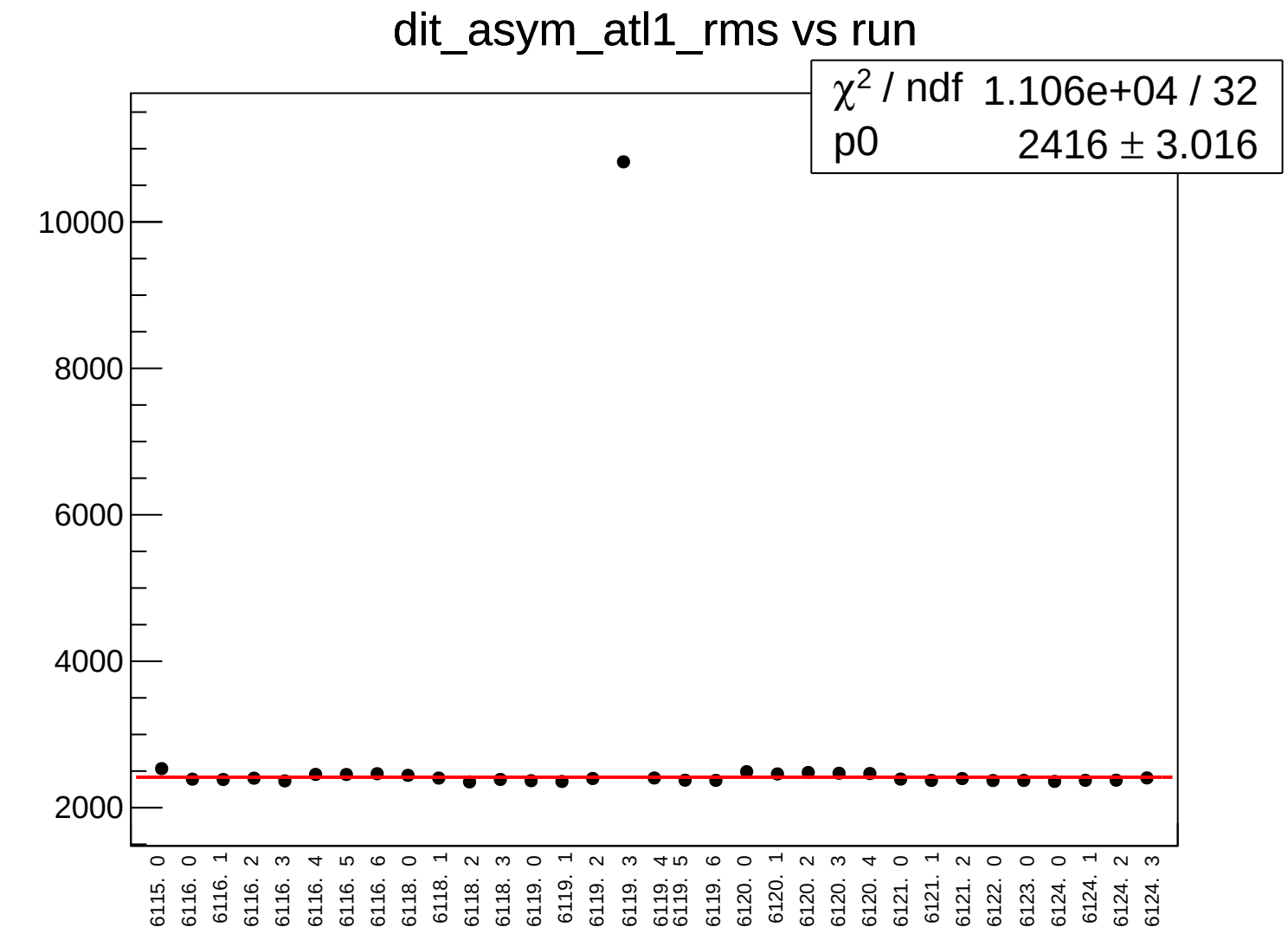

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 3888 / 32
p0 1224 ± 1.519
1500
1400
1300
1200
1100
1000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

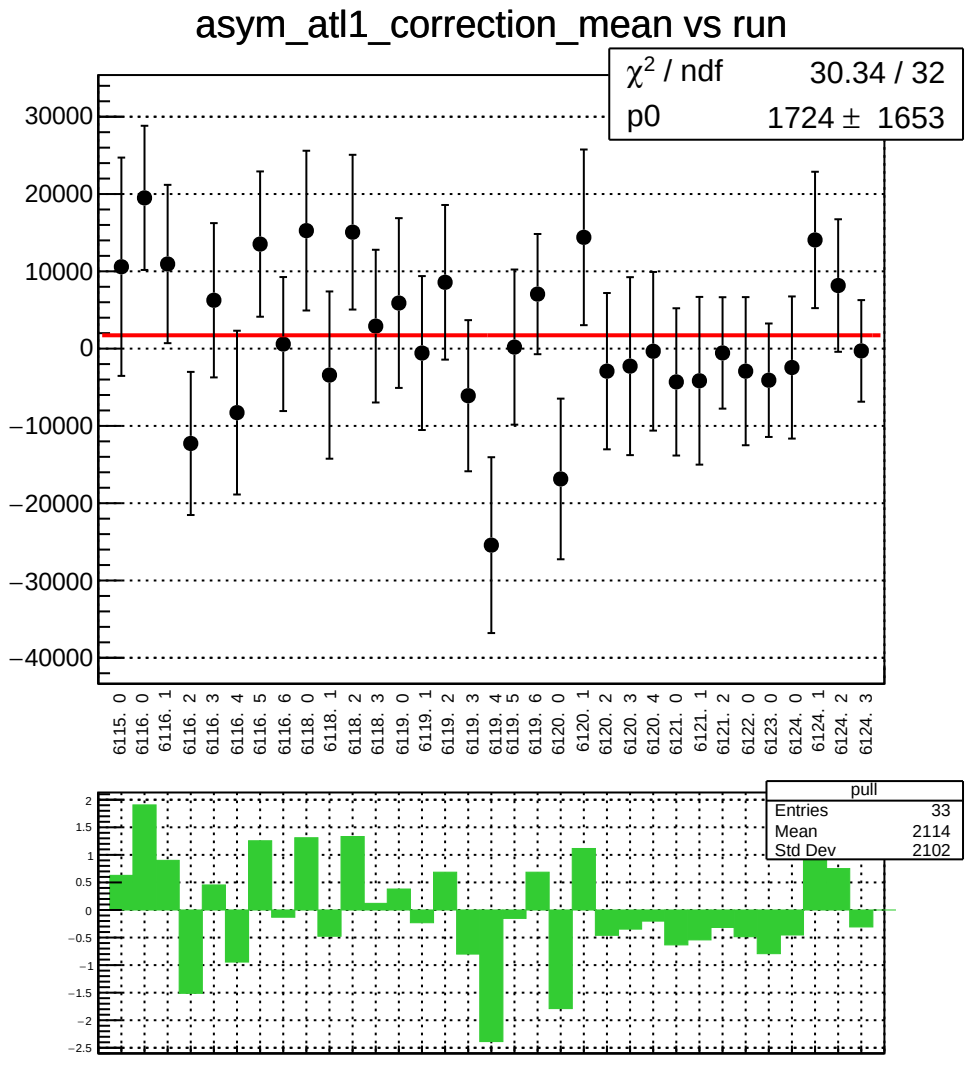

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 27.33 / 32
p0 −5429 ± 3052
40000
20000
0
−20000
−40000
−60000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 64.37
Std Dev 64.21
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.0032
Std Dev 0.9101
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

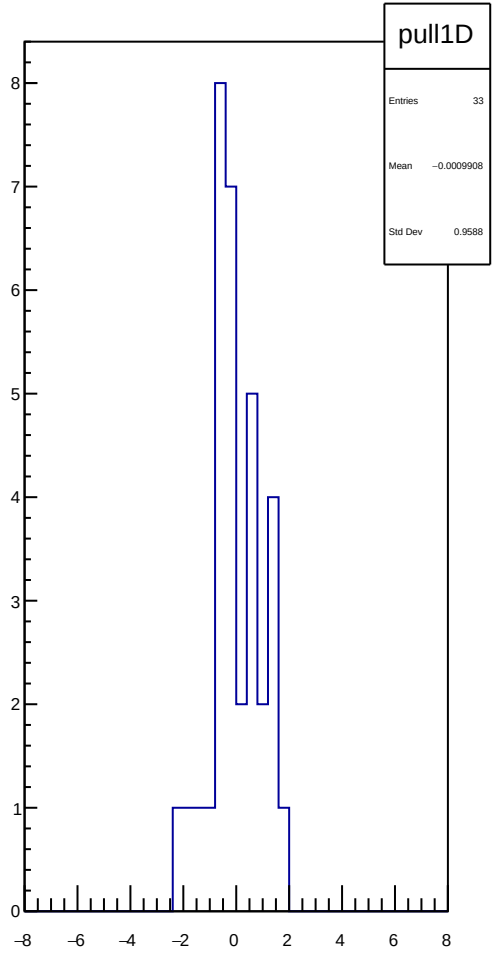

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 4773 / 32
p0 1738 ± 2.158
3200
3000
2800
2600
2400
2200
2000
1800
1600
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

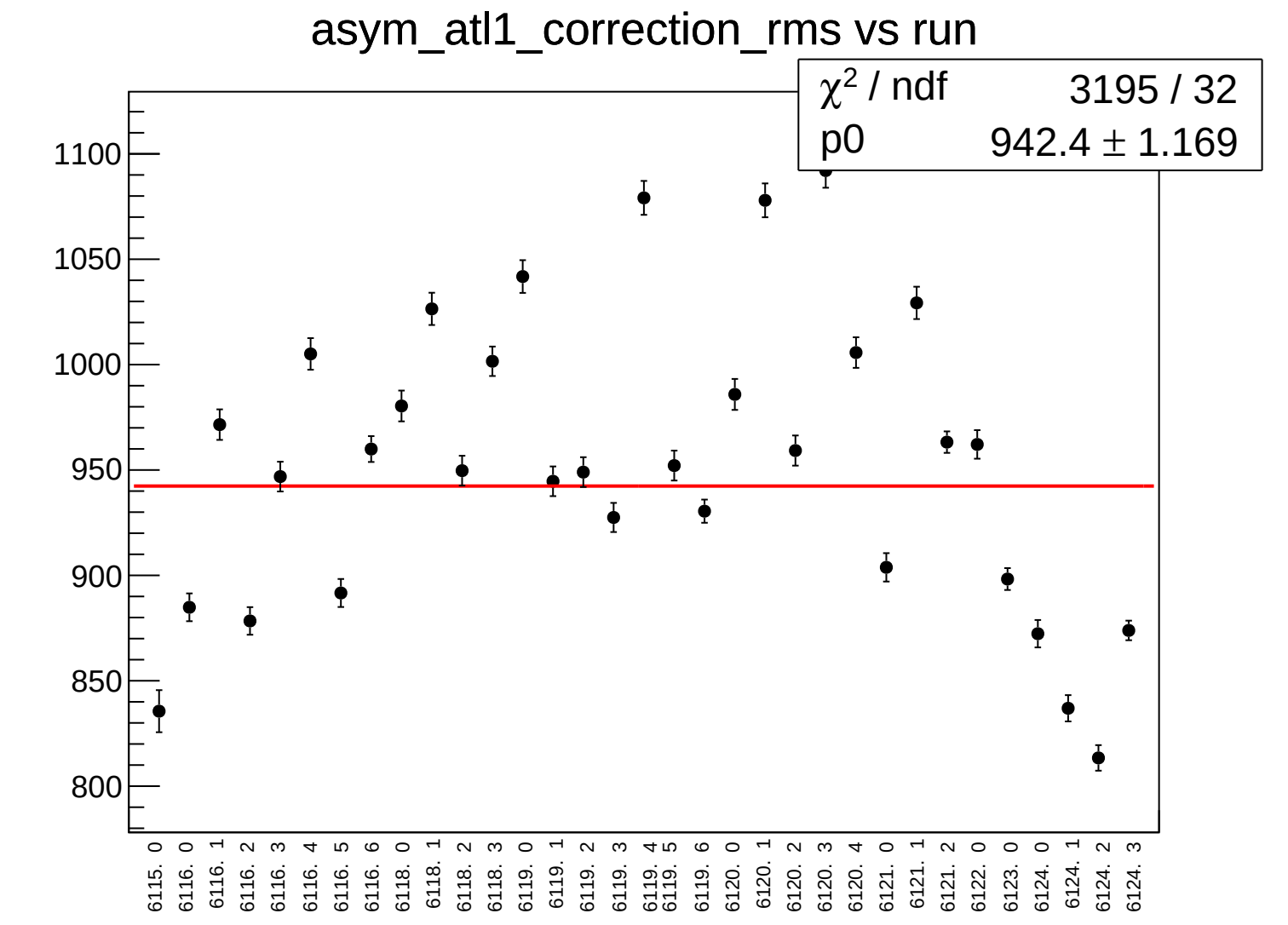

dit_asym_atl1_mean vs run
×10^3
χ² / ndf 35.16 / 32
p0 −1.428e+04 ± 4265
50
0
−50
−100
−150
−200
−250
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −20.25
Std Dev 35.38
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

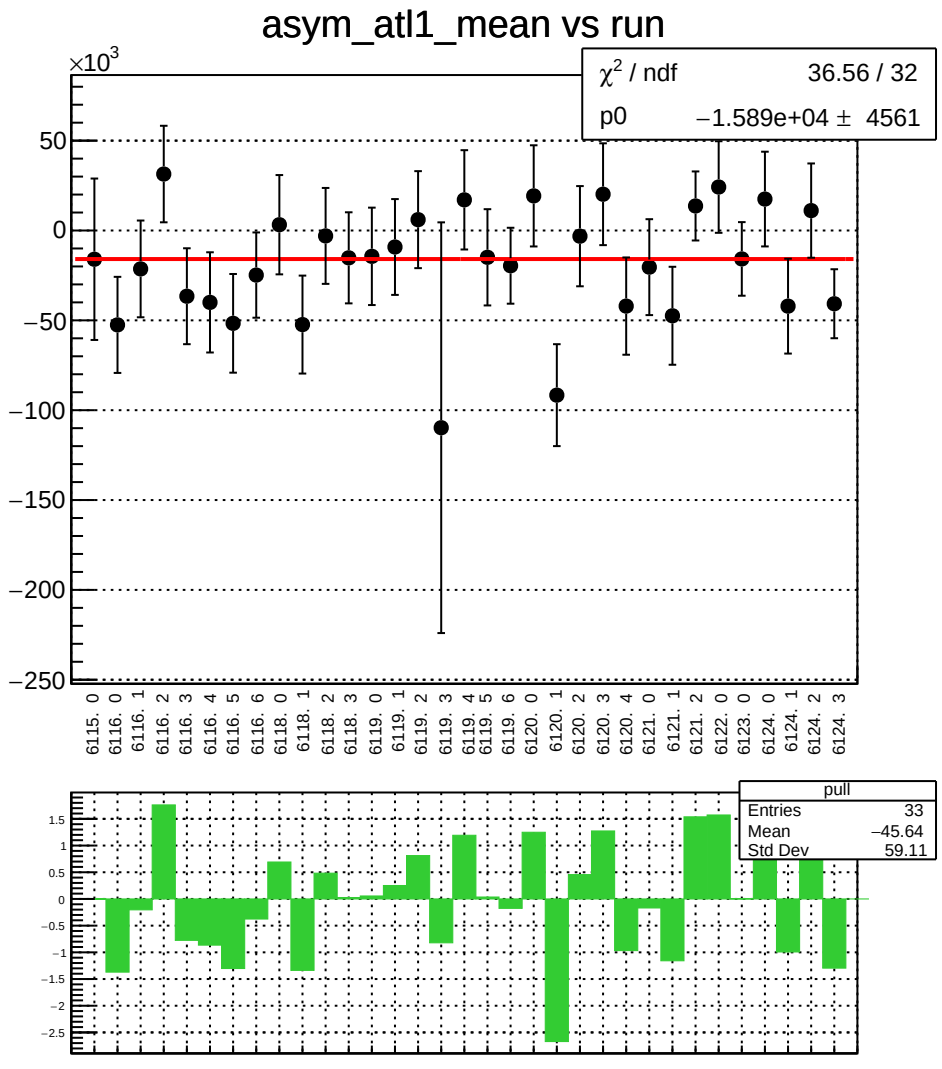

pull1D
Entries 33
Mean −0.0204
Std Dev 1.032
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

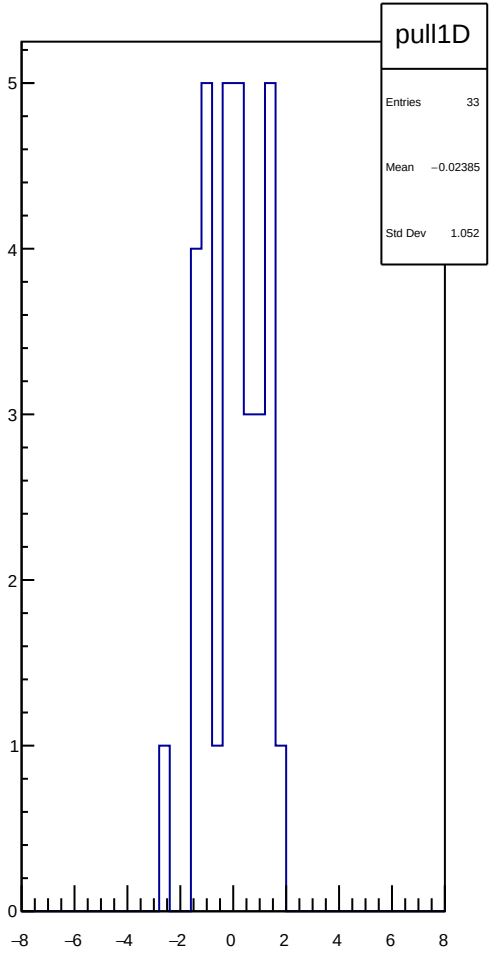

dit_asym_atl1_rms vs run
χ² / ndf 1.106e+04 / 32
p0 2416 ± 3.016
10000
8000
6000
4000
2000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

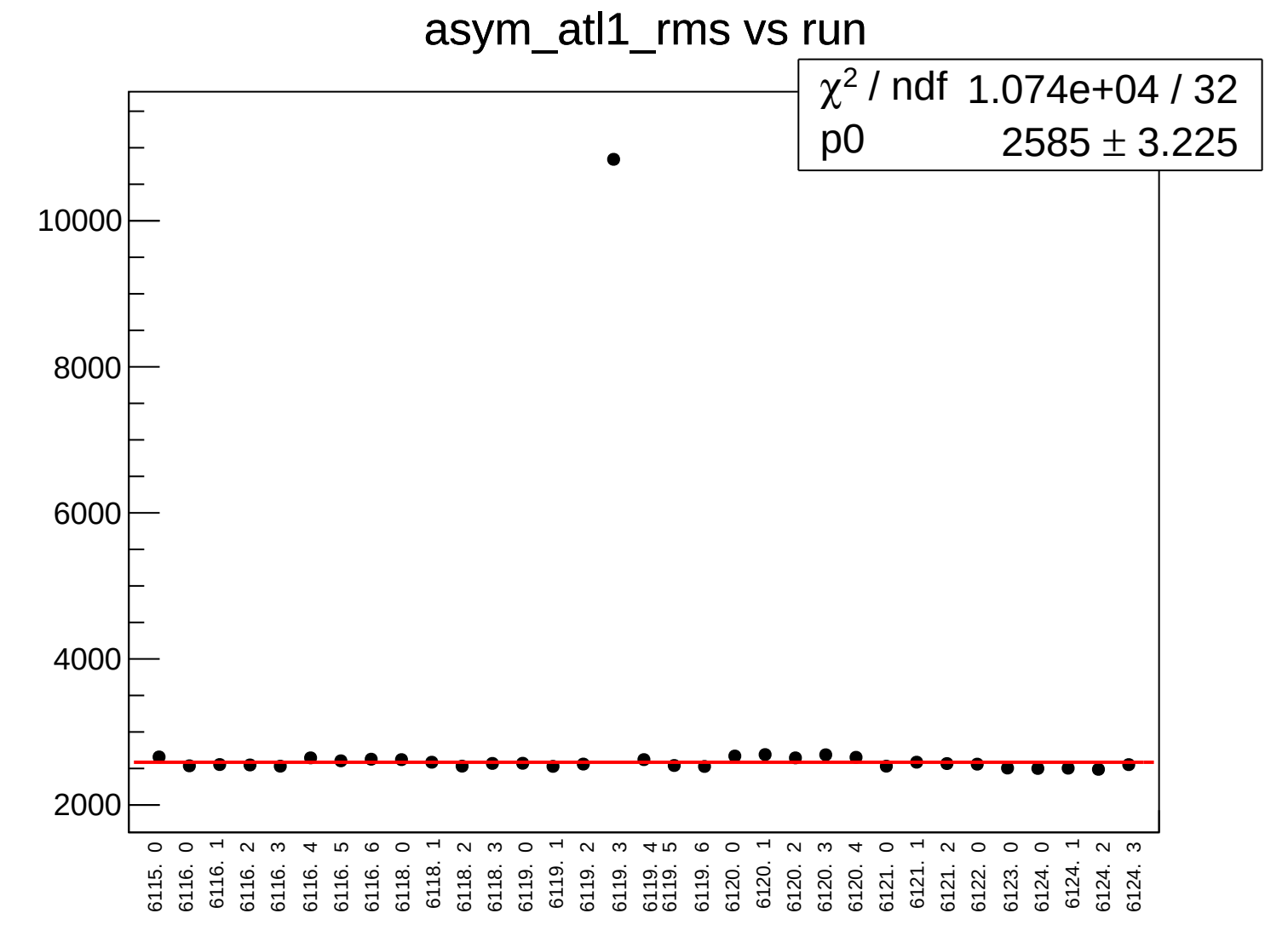

asym_atl1_correction_mean vs run
χ² / ndf 30.34 / 32
p0 1724 ± 1653
30000
20000
10000
0
−10000
−20000
−30000
−40000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 2114
Std Dev 2102
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

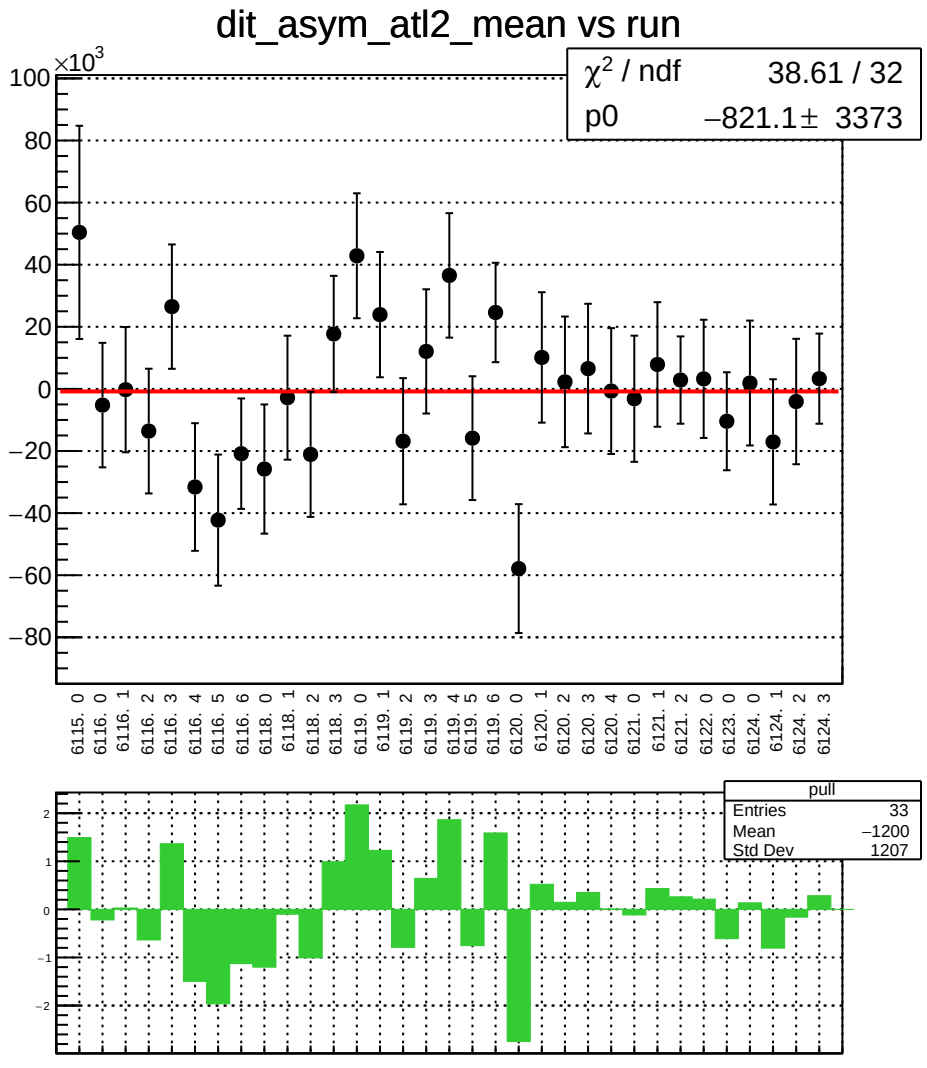

pull1D
Entries 33
Mean −0.0009908
Std Dev 0.9588
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

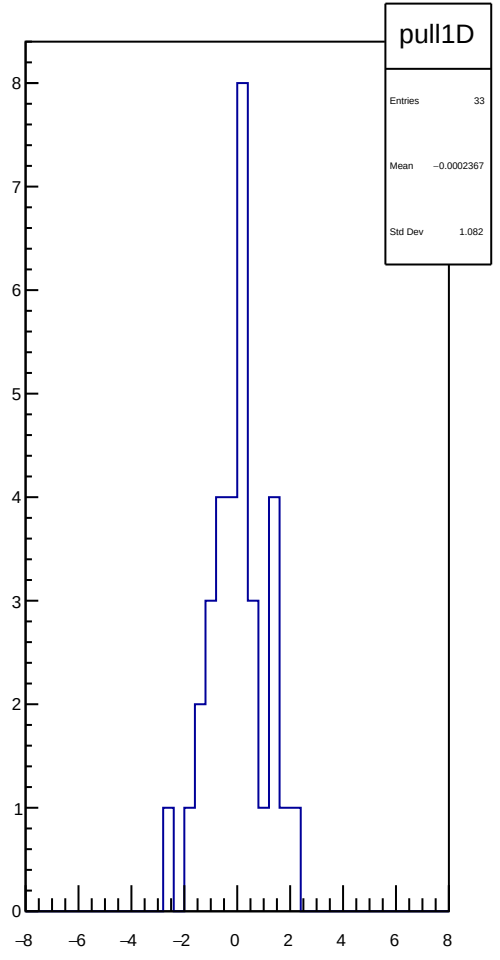

asym_atl1_correction_rms vs run
χ² / ndf 3195 / 32
p0 942.4 ± 1.169
1100
1050
1000
950
900
850
800
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

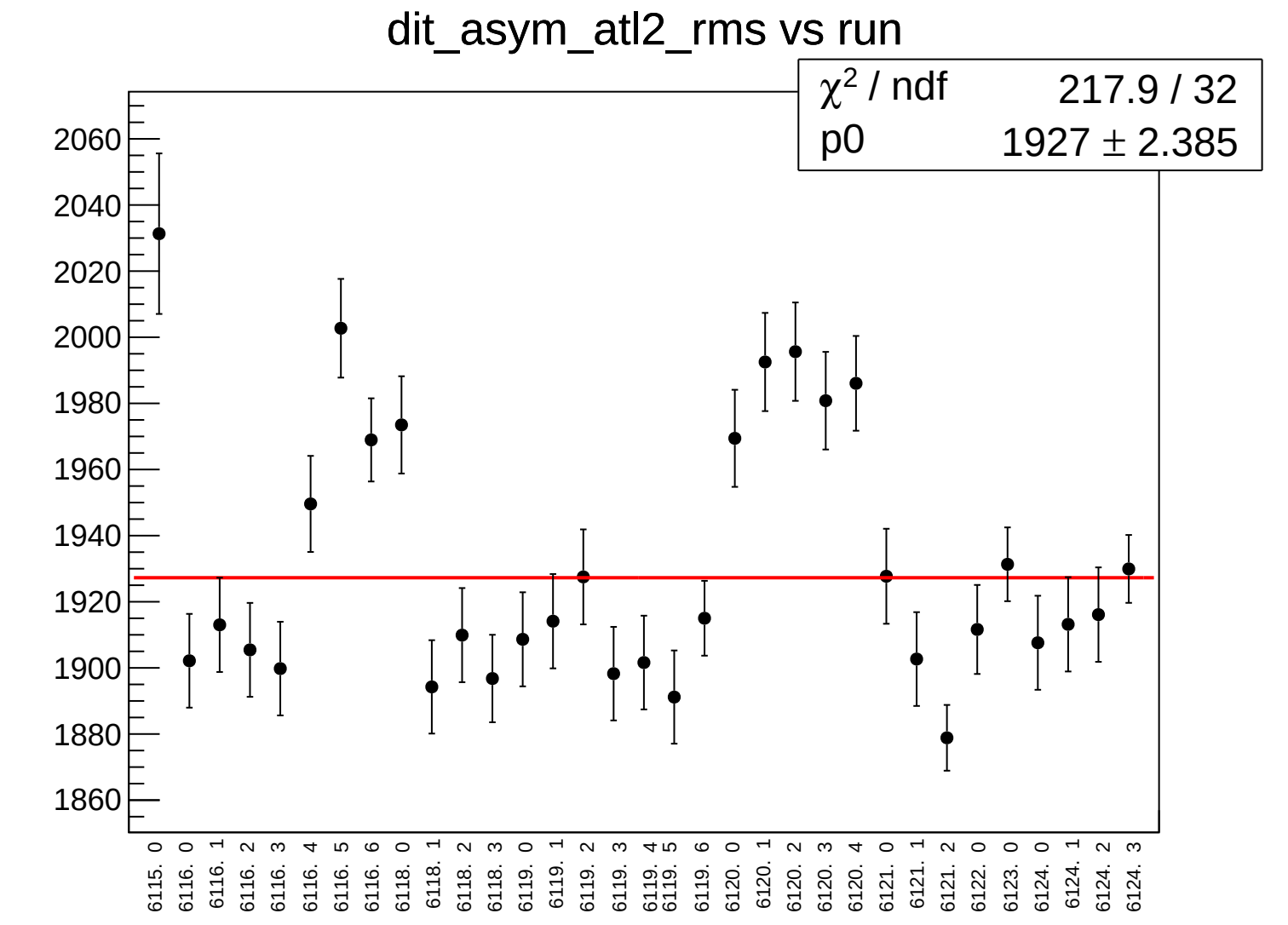

asym_atl1_mean vs run
×10^3
χ² / ndf 36.56 / 32
p0 −1.589e+04 ± 4561
50
0
−50
−100
−150
−200
−250
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −45.64
Std Dev 59.11
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

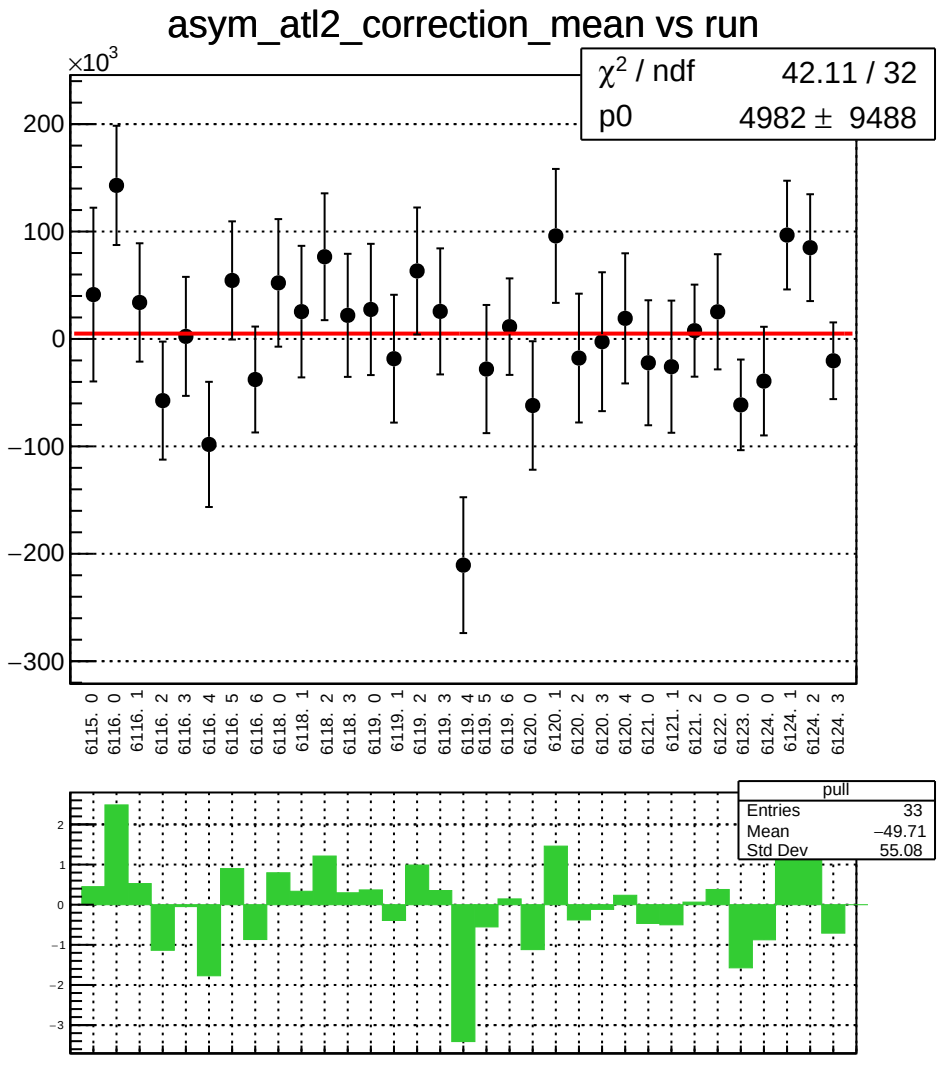

pull1D
Entries 33
Mean −0.02385
Std Dev 1.052
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

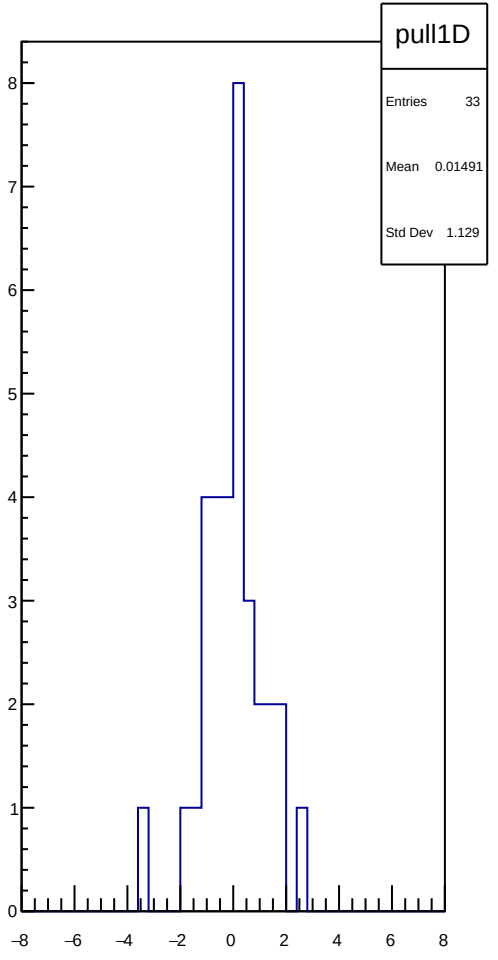

asym_atl1_rms vs run
χ² / ndf 1.074e+04 / 32
p0 2585 ± 3.225
10000
8000
6000
4000
2000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

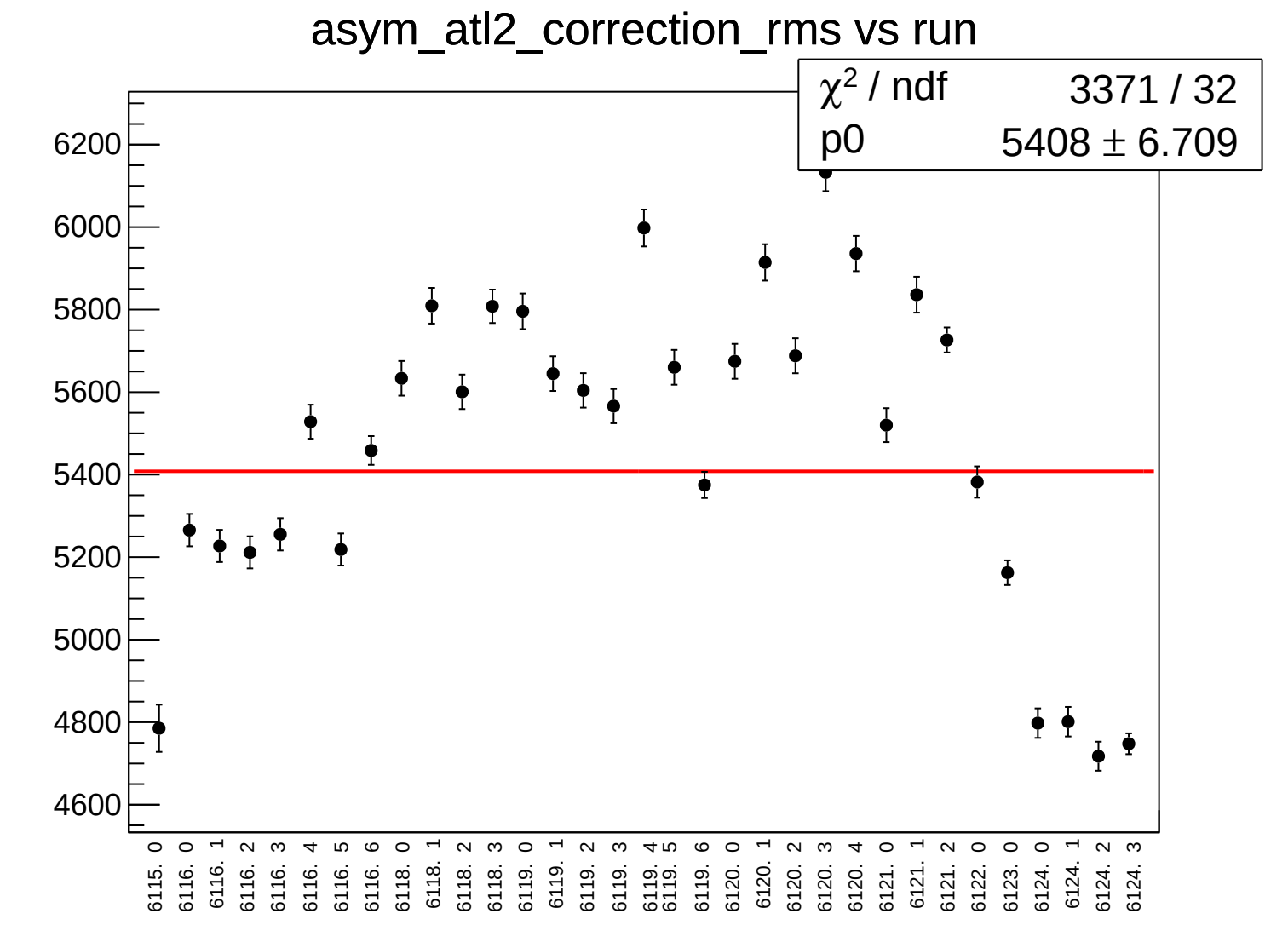

dit_asym_atl2_mean vs run
×10^3
χ^2 / ndf 38.61 / 32
p0 −821.1± 3373
100
80
60
40
20
0
−20
−40
−60
−80
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −1200
Std Dev 1207
2
1
0
−1
−2

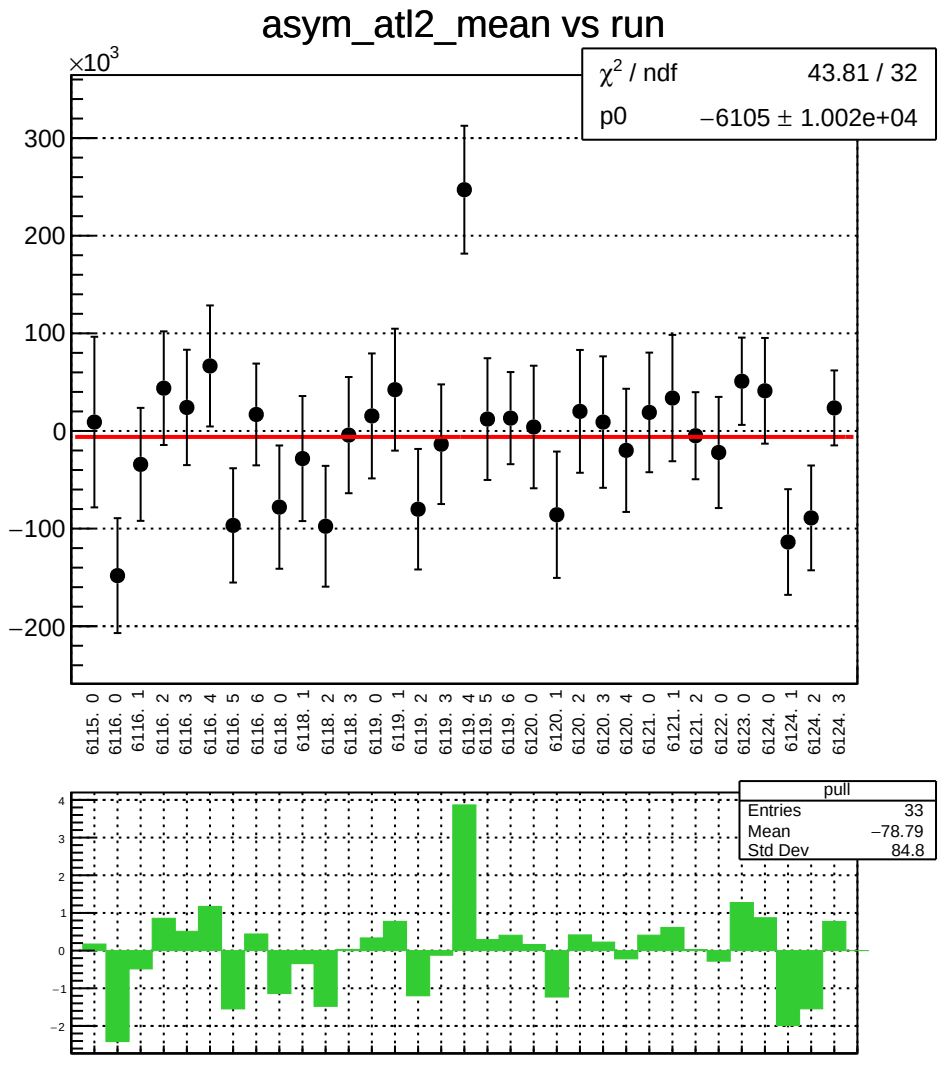

pull1D
Entries 33
Mean −0.0002367
Std Dev 1.082
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

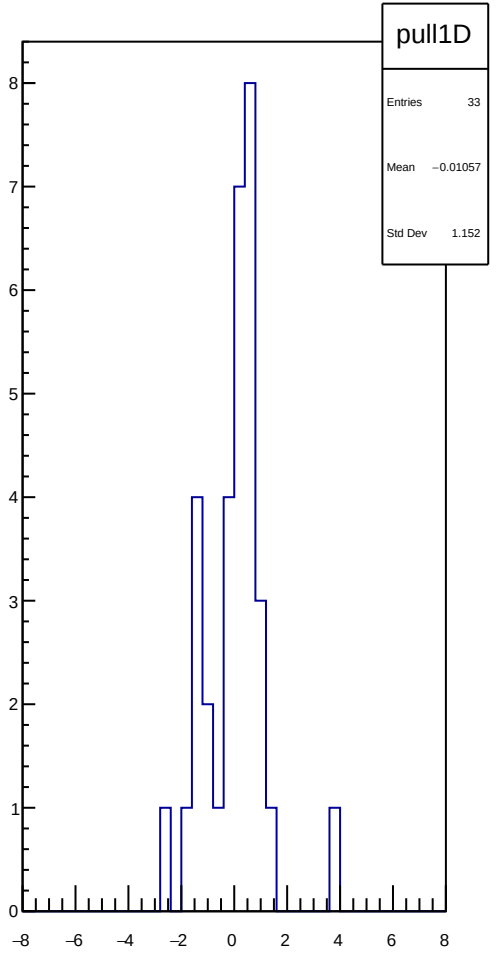

dit_asym_atl2_rms vs run
χ² / ndf 217.9 / 32
p0 1927 ± 2.385
2060
2040
2020
2000
1980
1960
1940
1920
1900
1880
1860
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

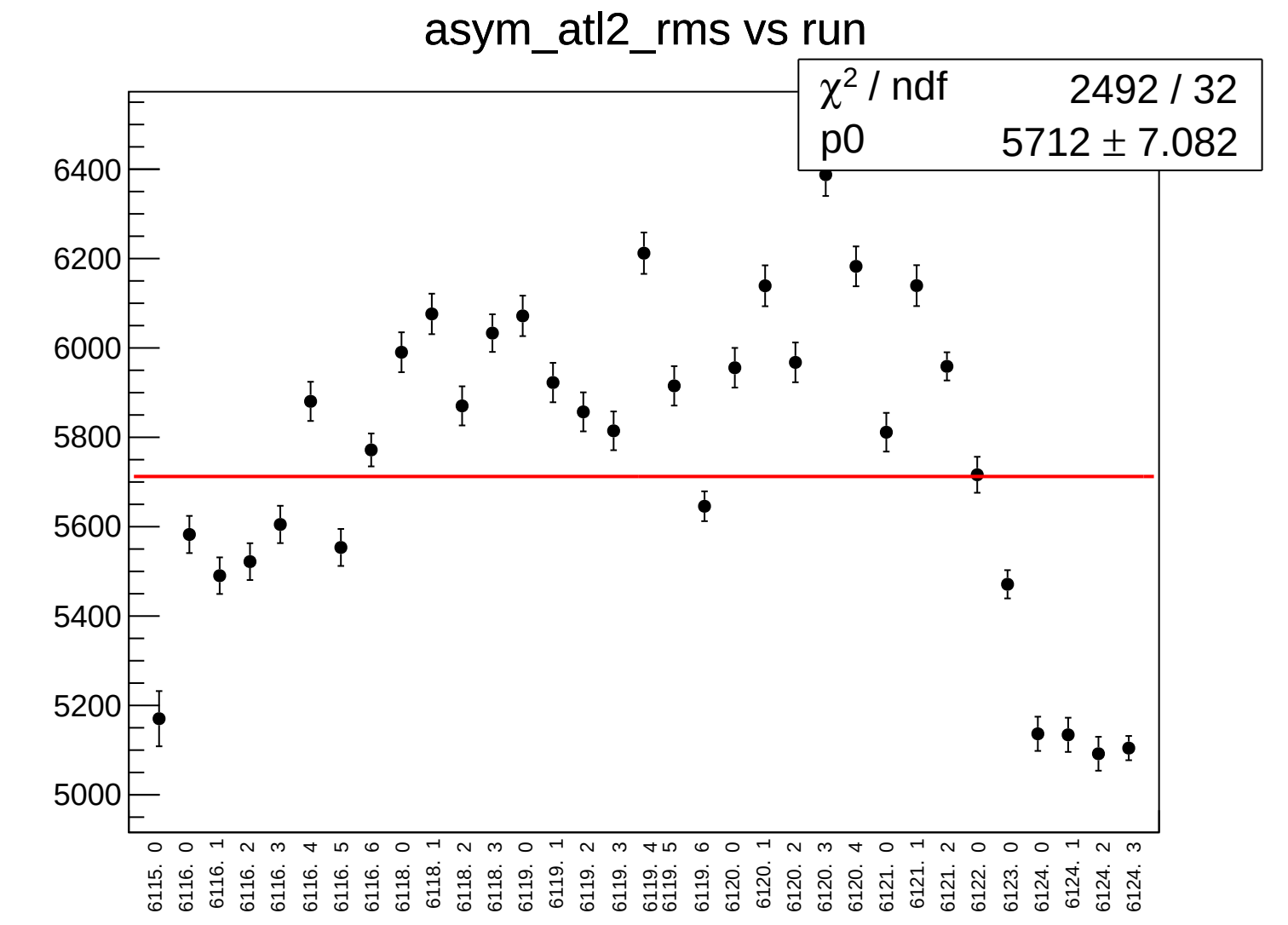

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 42.11 / 32
p0 4982 ± 9488
200
100
0
−100
−200
−300
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −49.71
Std Dev 55.08
2
1
0
−1
−2
−3

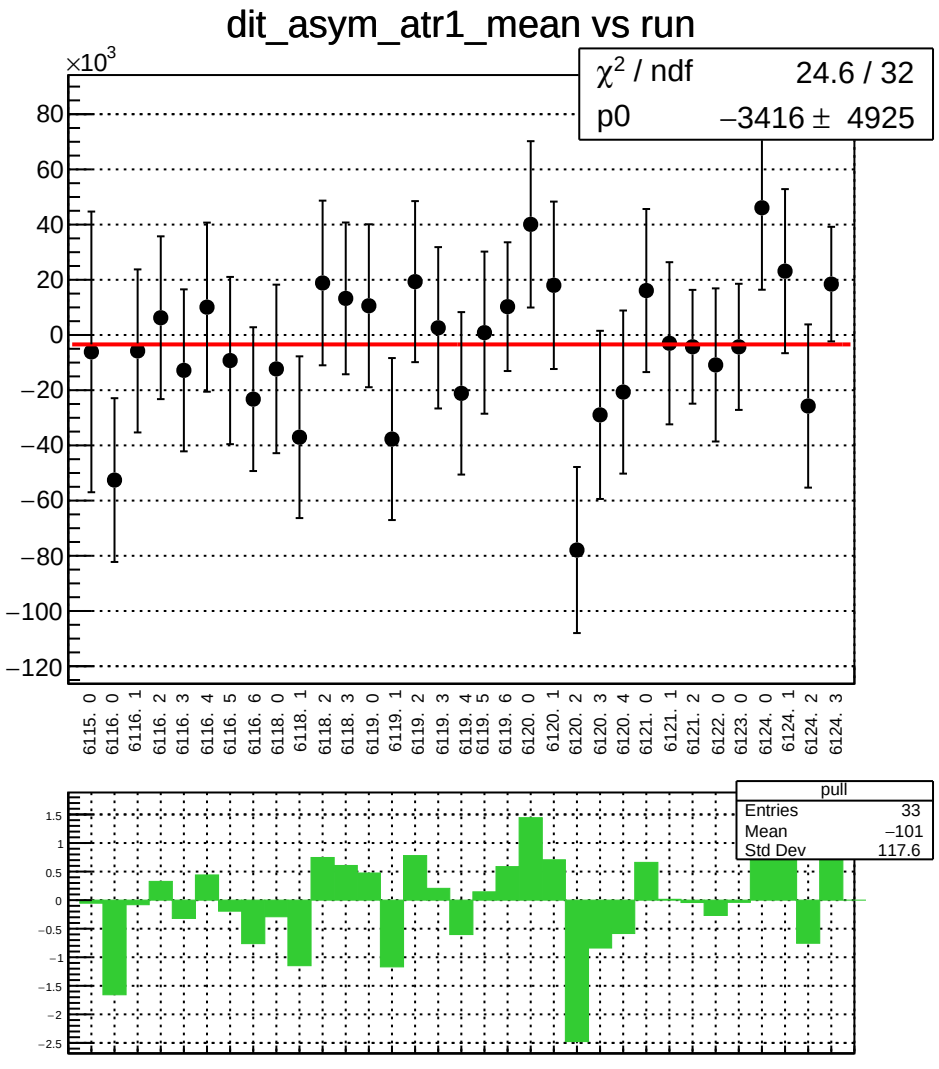

pull1D
Entries 33
Mean 0.01491
Std Dev 1.129
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

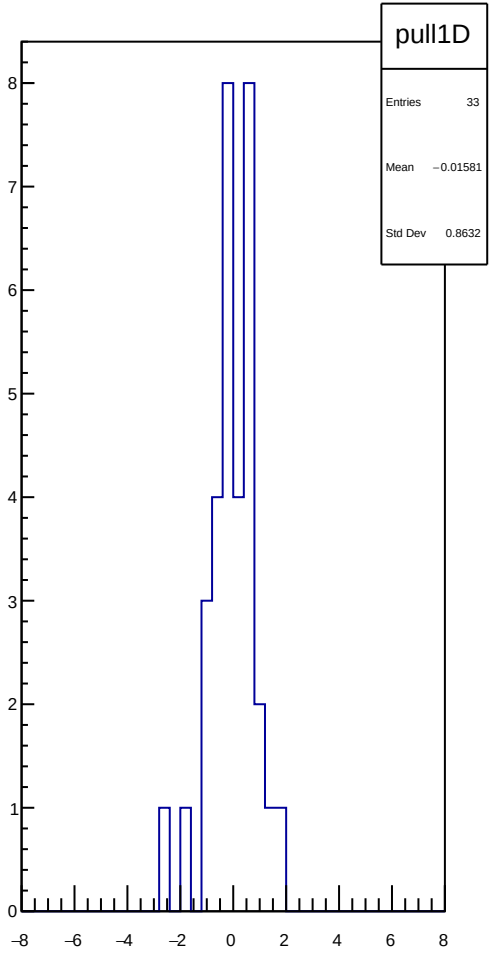

asym_atl2_correction_rms vs run
χ² / ndf 3371 / 32
p0 5408 ± 6.709
6200
6000
5800
5600
5400
5200
5000
4800
4600
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

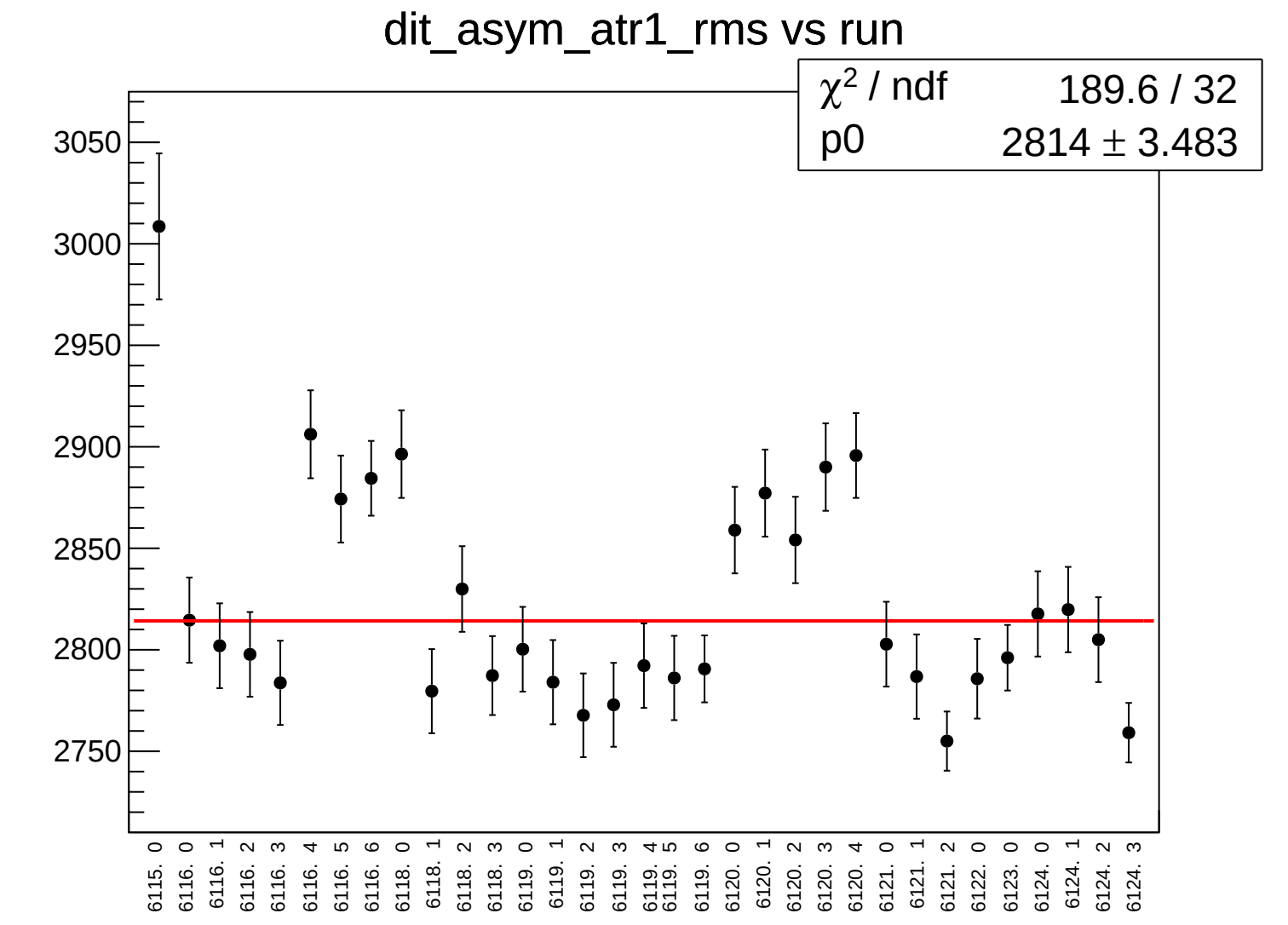

asym_atl2_mean vs run
×10^3
χ^2 / ndf 43.81 / 32
p0 −6105 ± 1.002e+04
300
200
100
0
−100
−200
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −78.79
Std Dev 84.8
4
3
2
1
0
−1
−2

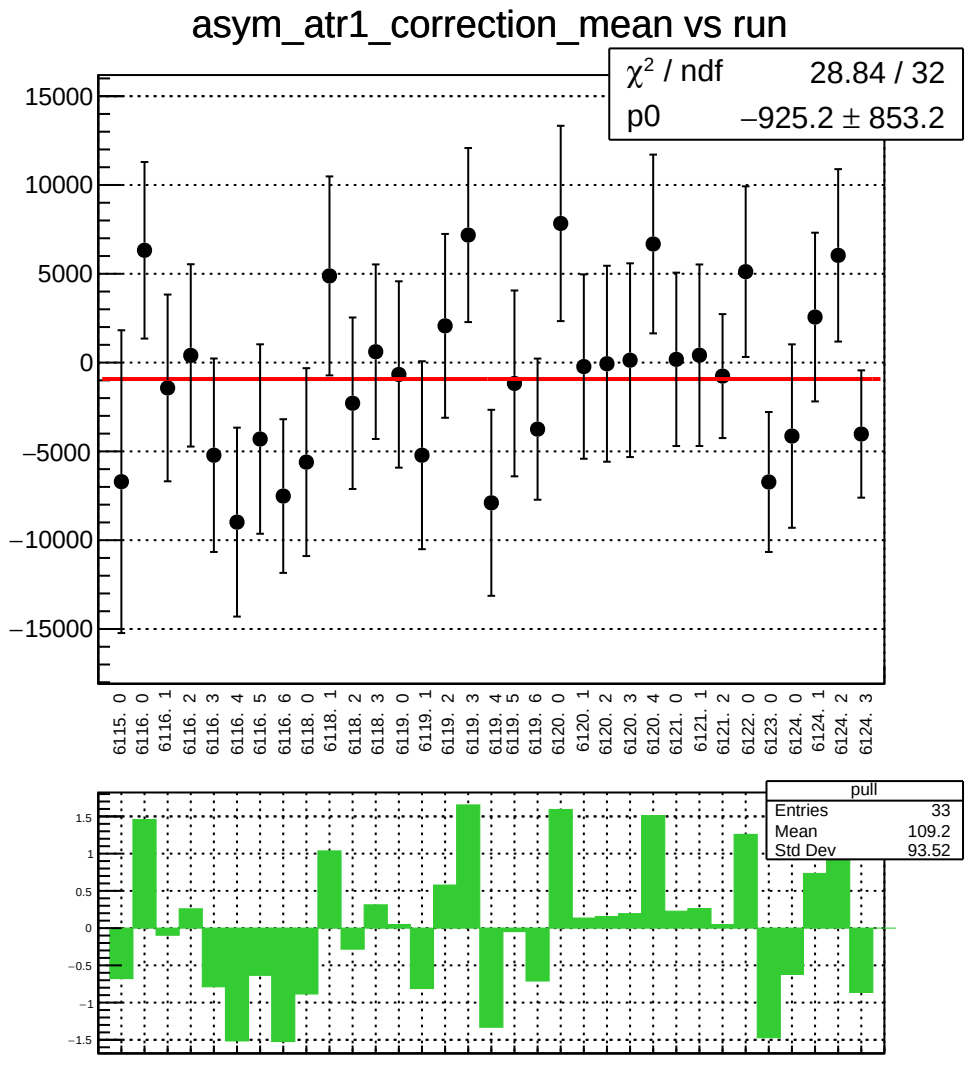

pull1D
Entries 33
Mean −0.01057
Std Dev 1.152
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

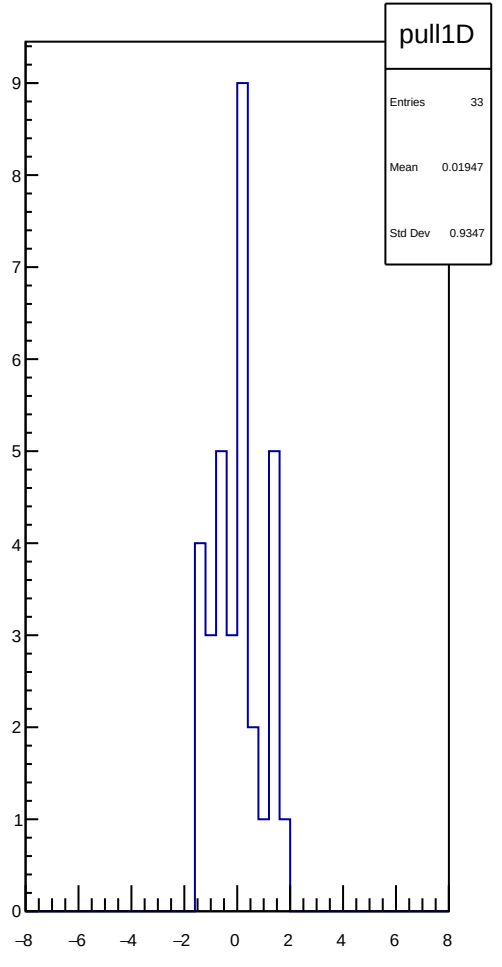

asym_atl2_rms vs run
χ² / ndf 2492 / 32
p0 5712 ± 7.082
6400
6200
6000
5800
5600
5400
5200
5000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

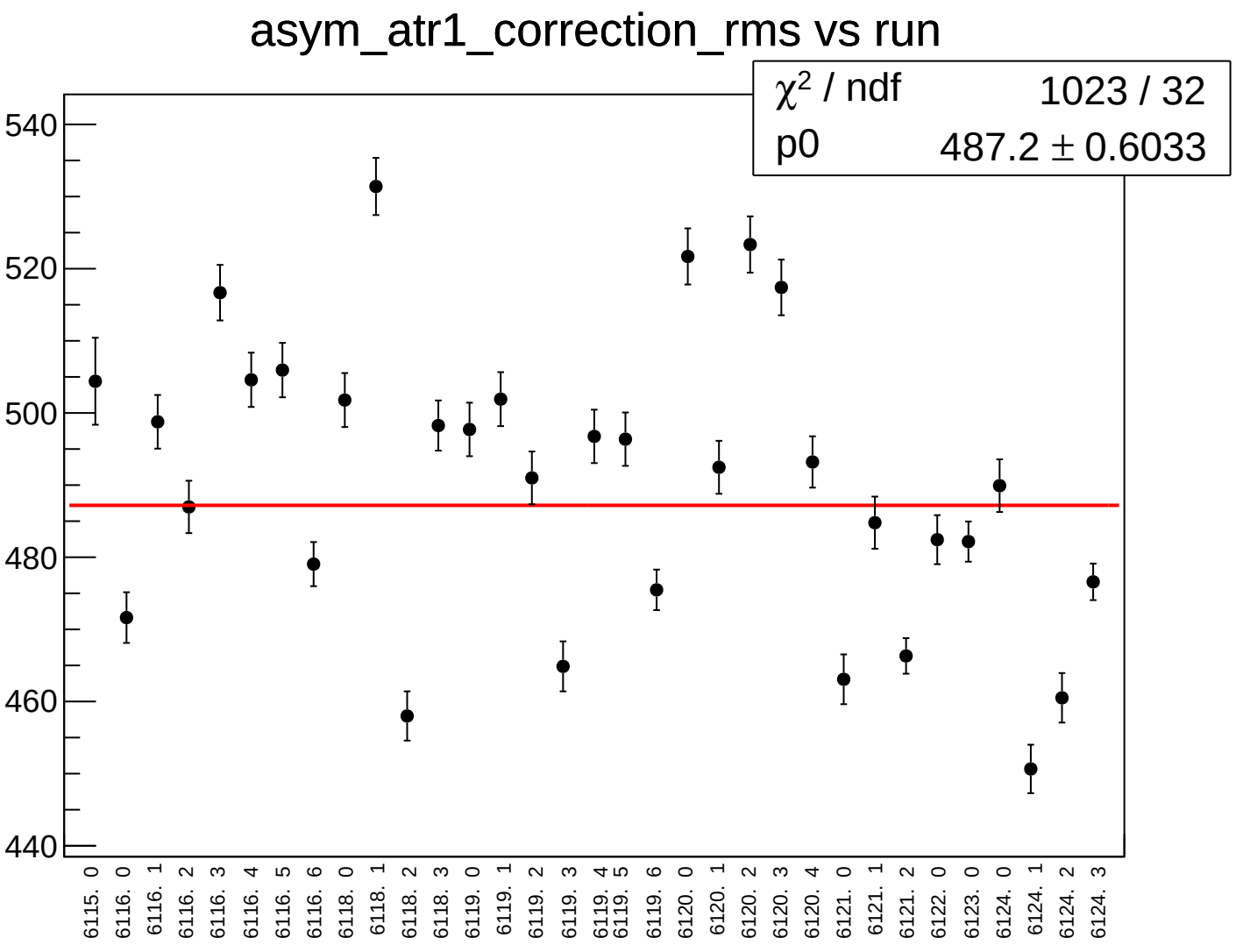

dit_asym_atr1_mean vs run
×10^3
χ^2 / ndf 24.6 / 32
p0 −3416 ± 4925
80
60
40
20
0
−20
−40
−60
−80
−100
−120
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −101
Std Dev 117.6
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

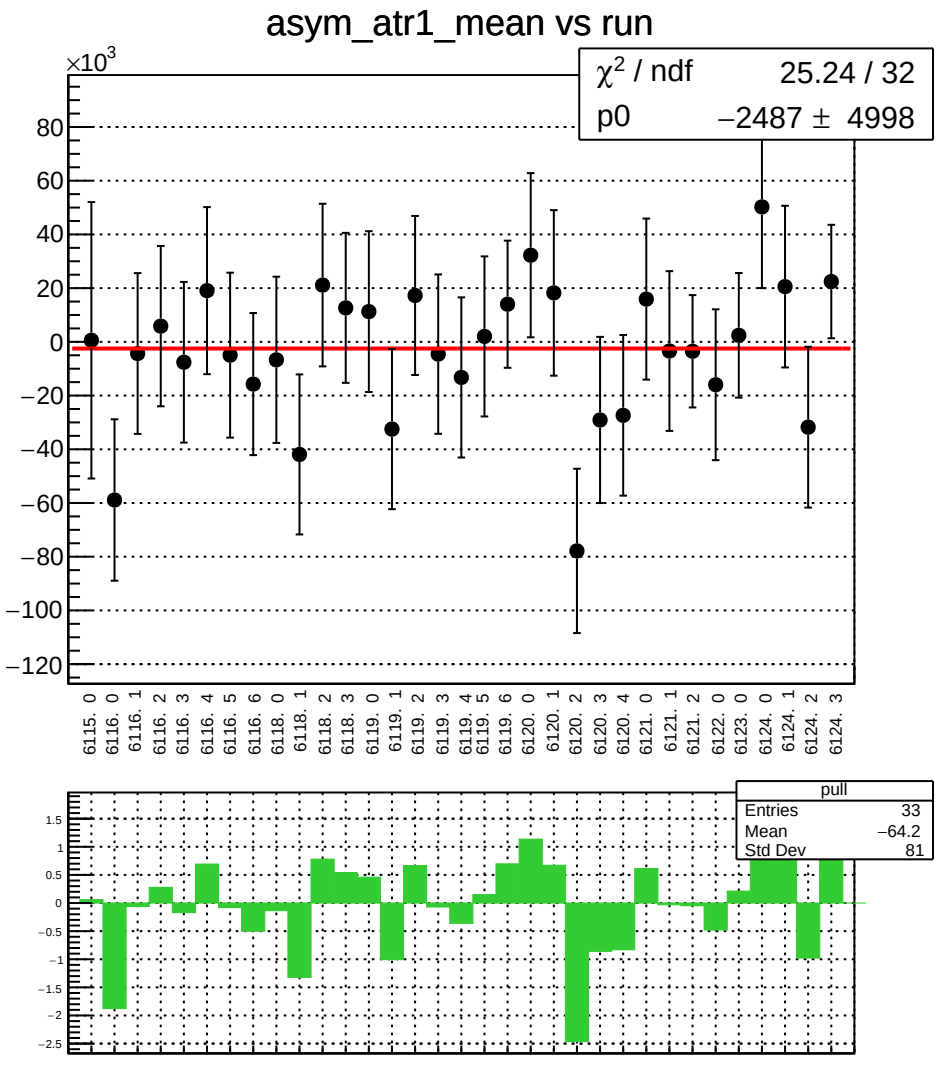

pull1D
Entries 33
Mean −0.01581
Std Dev 0.8632
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

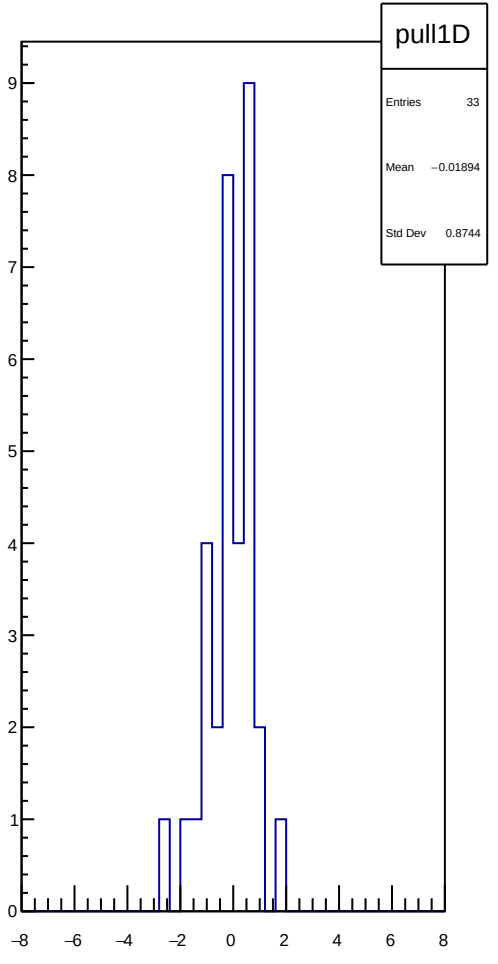

dit_asym_atr1_rms vs run
χ^2 / ndf 189.6 / 32
p0 2814 ± 3.483
3050
3000
2950
2900
2850
2800
2750
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

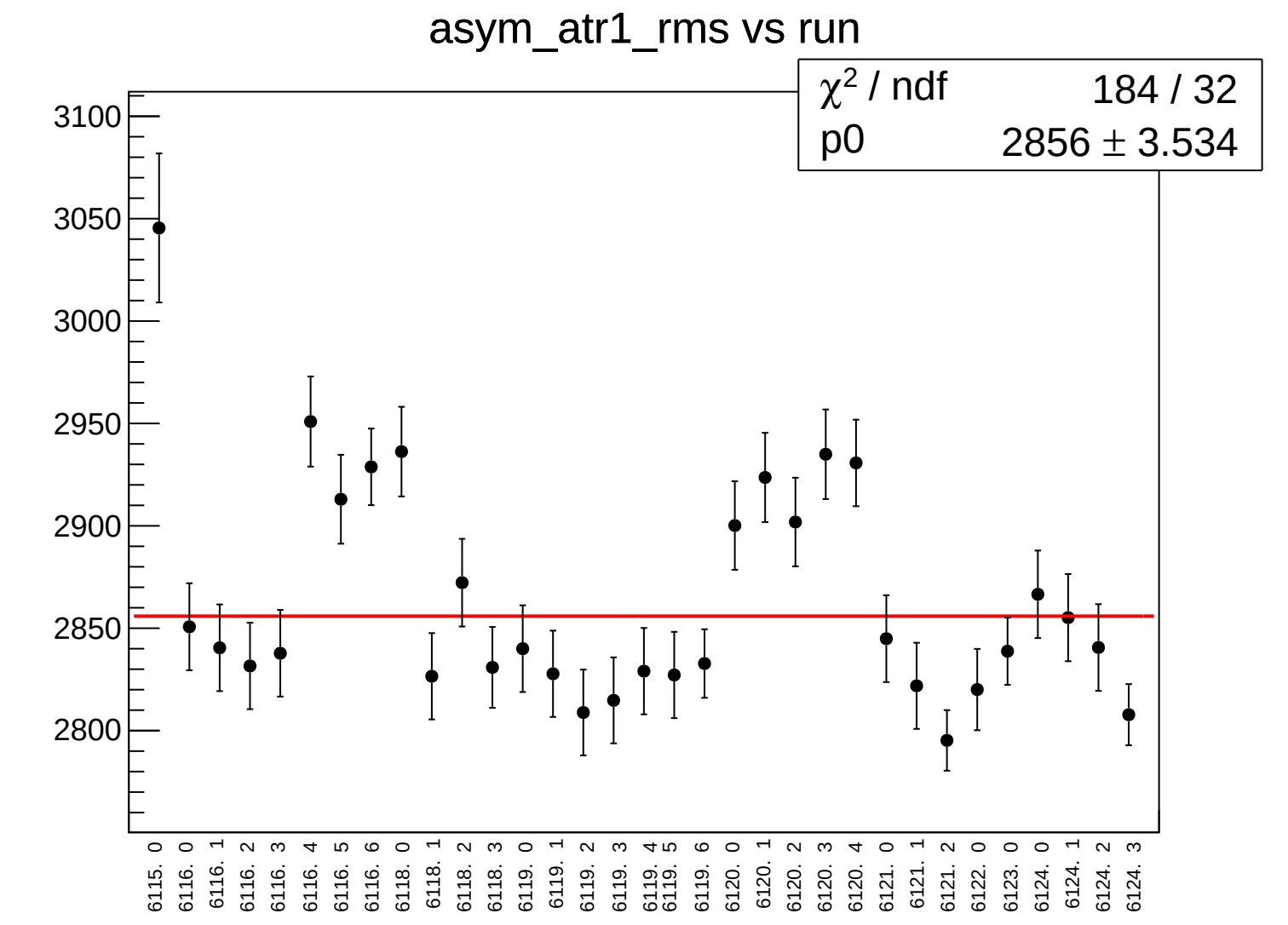

asym_atr1_correction_mean vs run
χ² / ndf 28.84 / 32
p0 −925.2 ± 853.2
15000
10000
5000
0
−5000
−10000
−15000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 109.2
Std Dev 93.52
1.5
1
0.5
0
−0.5
−1
−1.5

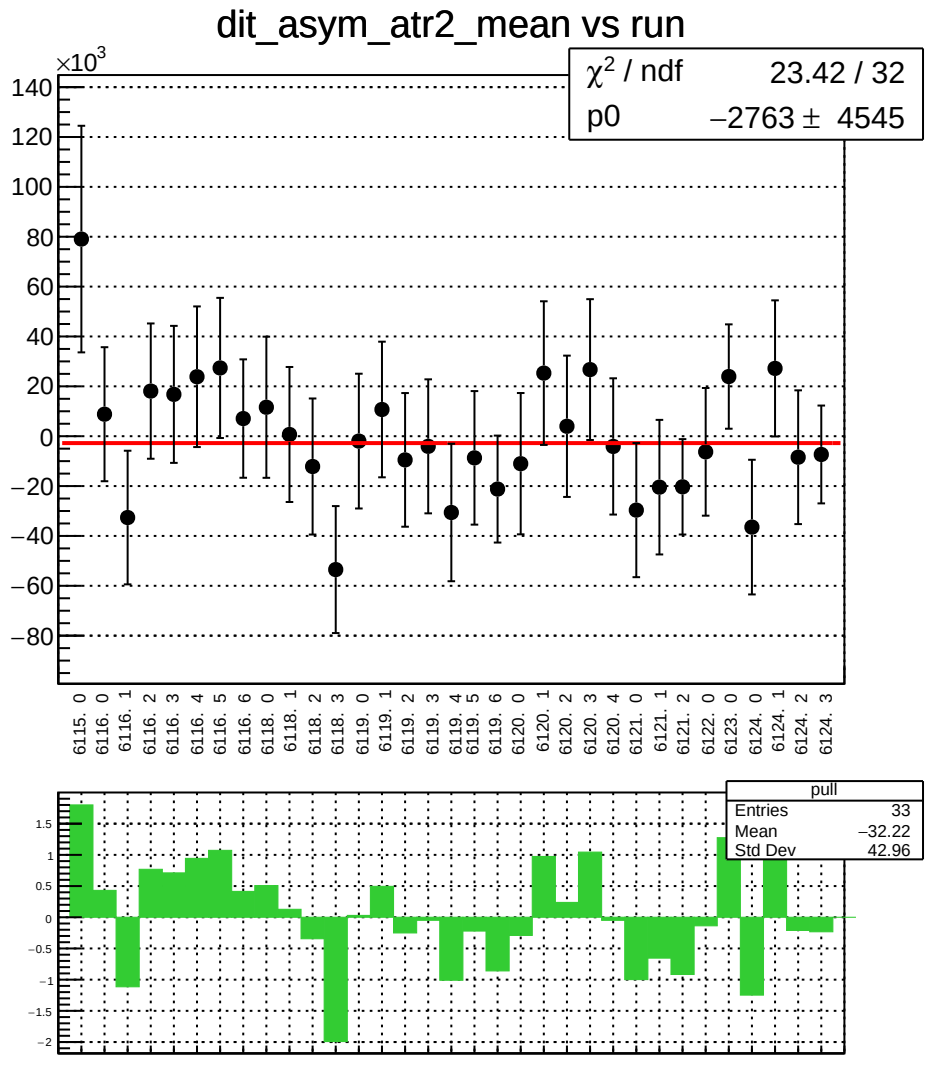

pull1D
Entries 33
Mean 0.01947
Std Dev 0.9347
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

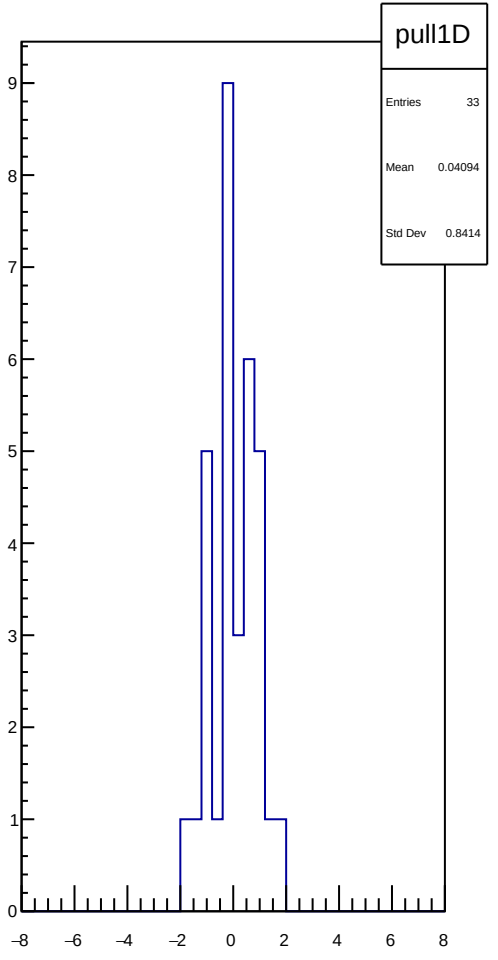

asym_atr1_correction_rms vs run
χ² / ndf 1023 / 32
p0 487.2 ± 0.6033
540
520
500
480
460
440
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

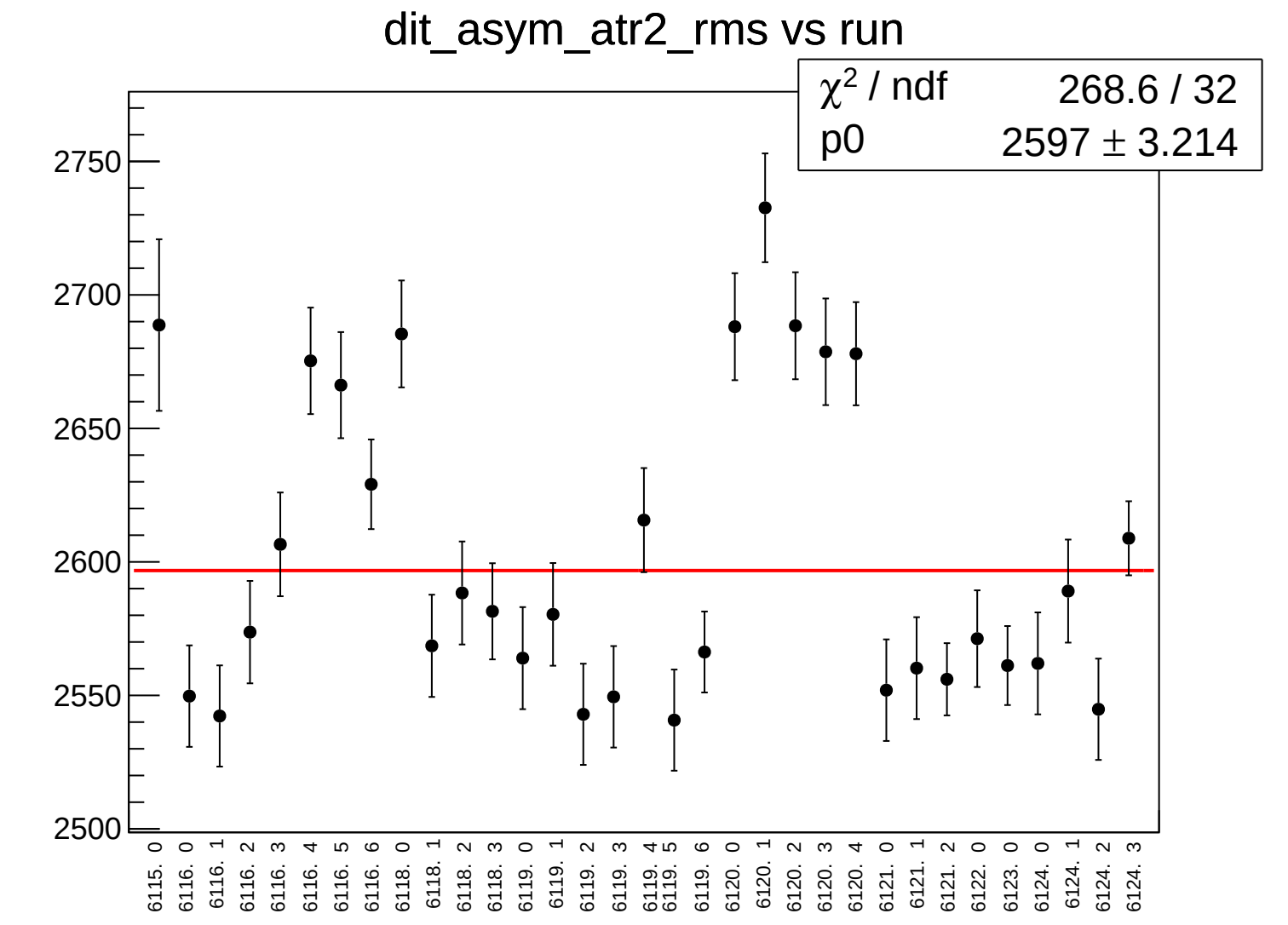

asym_atr1_mean vs run
×10^3
χ² / ndf 25.24 / 32
p0 −2487 ± 4998
80
60
40
20
0
−20
−40
−60
−80
−100
−120
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −64.2
Std Dev 81
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

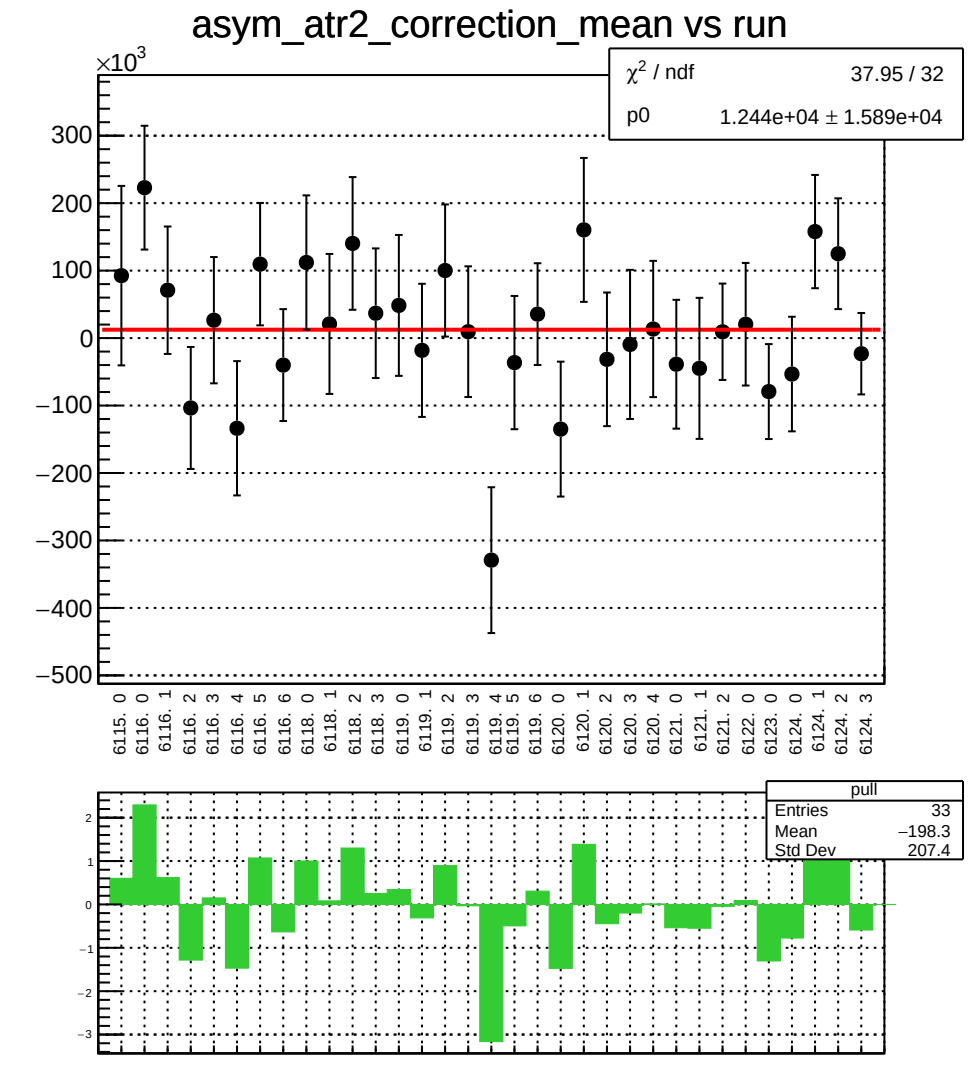

pull1D
Entries 33
Mean −0.01894
Std Dev 0.8744
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

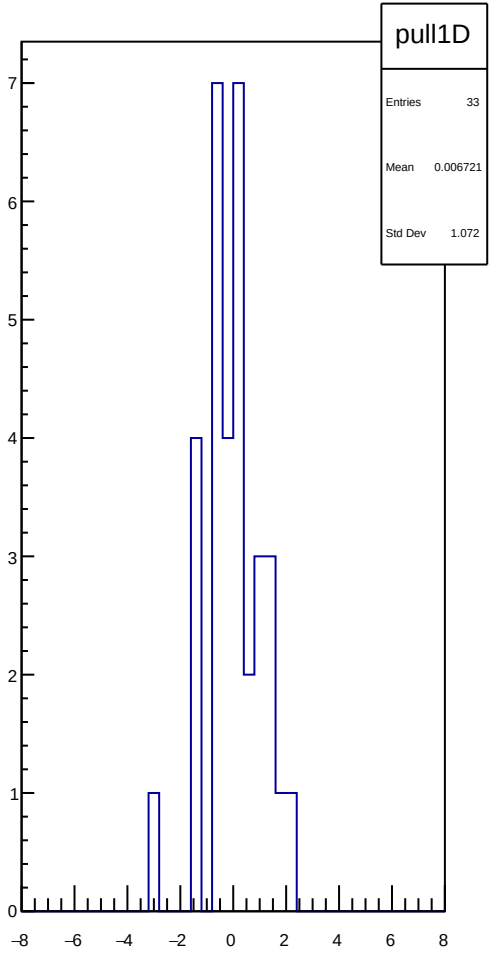

asym_atr1_rms vs run
χ² / ndf 184 / 32
p0 2856 ± 3.534
3100
3050
3000
2950
2900
2850
2800
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

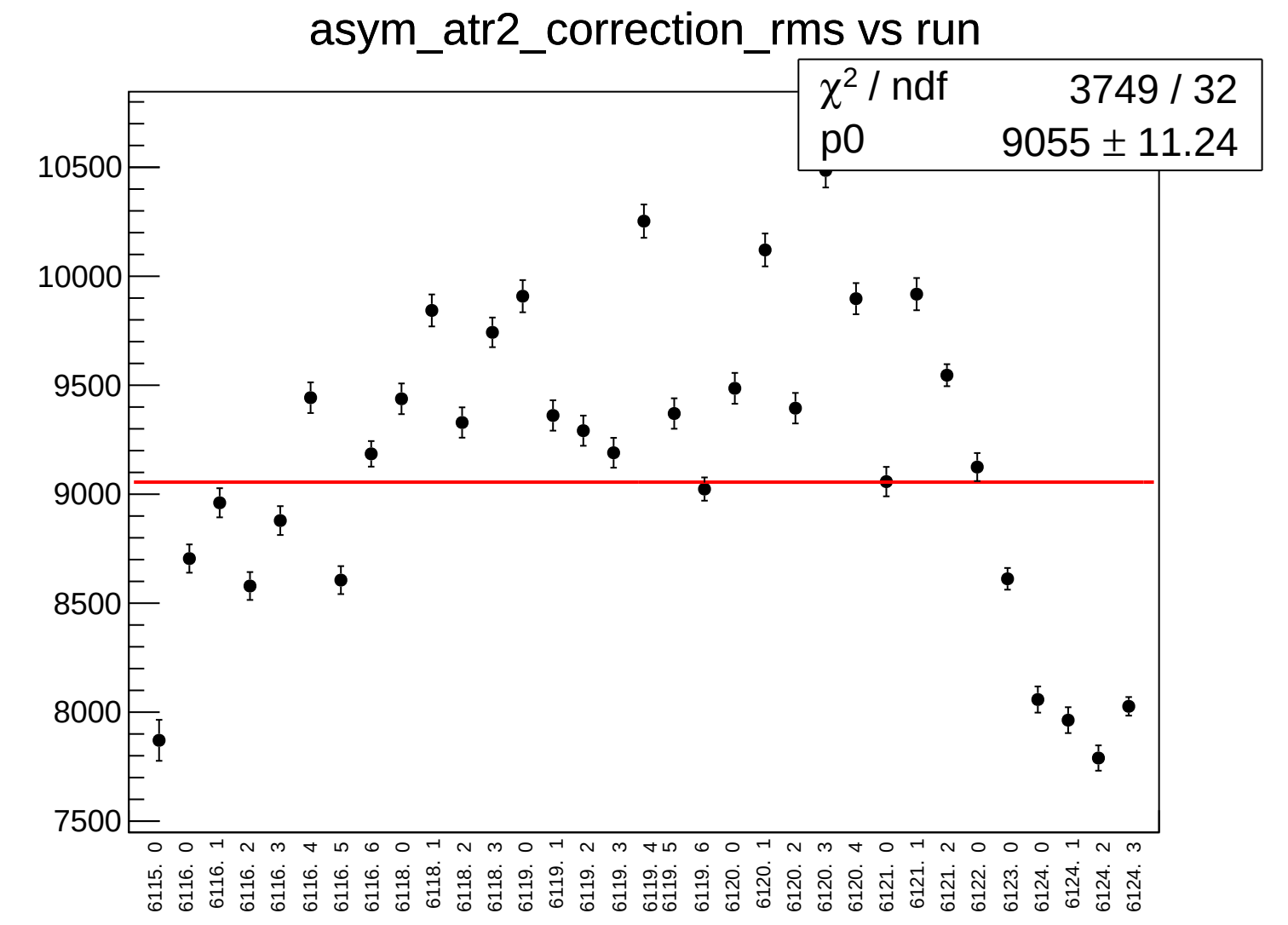

dit_asym_atr2_mean vs run
×10^3
χ^2 / ndf 23.42 / 32
p0 −2763 ± 4545
140
120
100
80
60
40
20
0
−20
−40
−60
−80
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −32.22
Std Dev 42.96
1.5
1
0.5
0
−0.5
−1
−1.5
−2

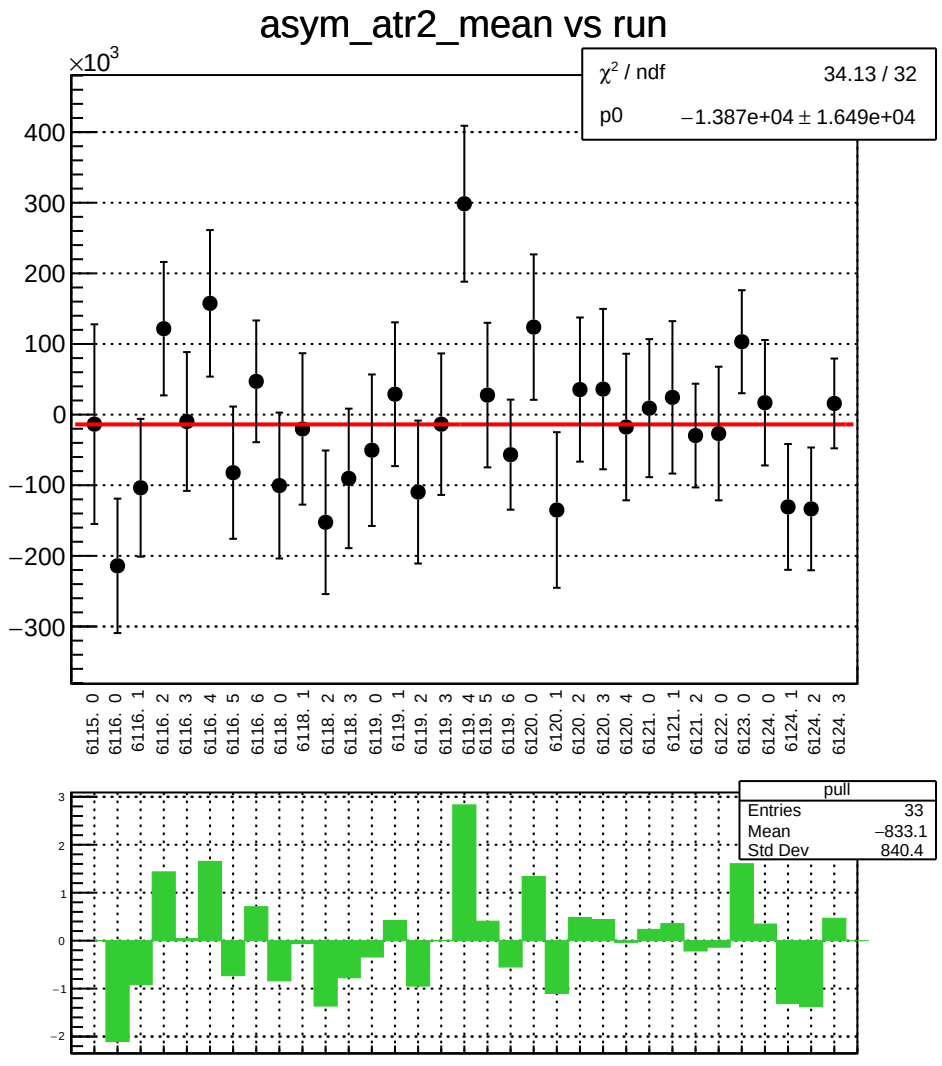

pull1D
Entries 33
Mean 0.04094
Std Dev 0.8414
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

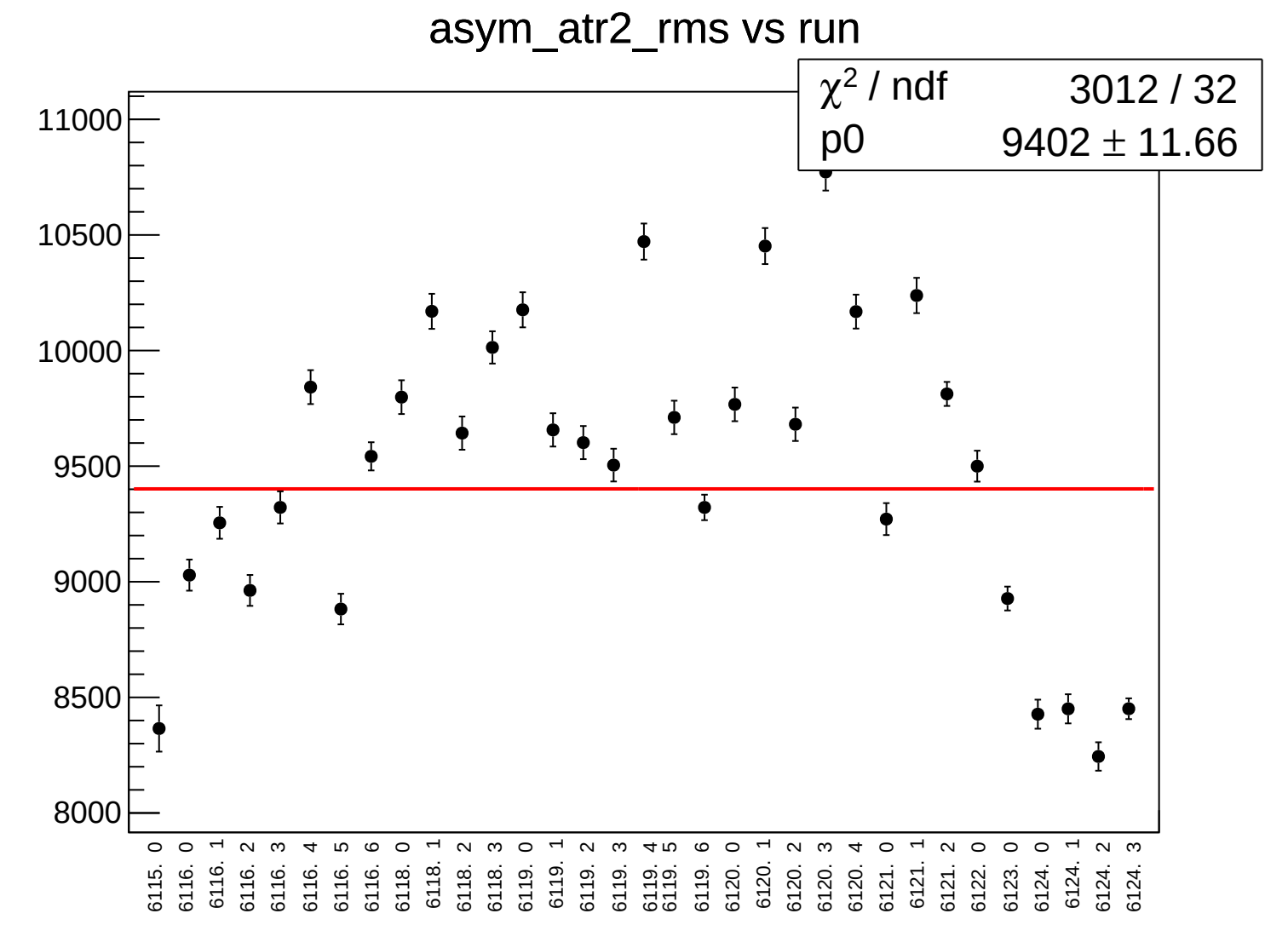

dit_asym_atr2_rms vs run
χ² / ndf 268.6 / 32
p0 2597 ± 3.214
2750
2700
2650
2600
2550
2500
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

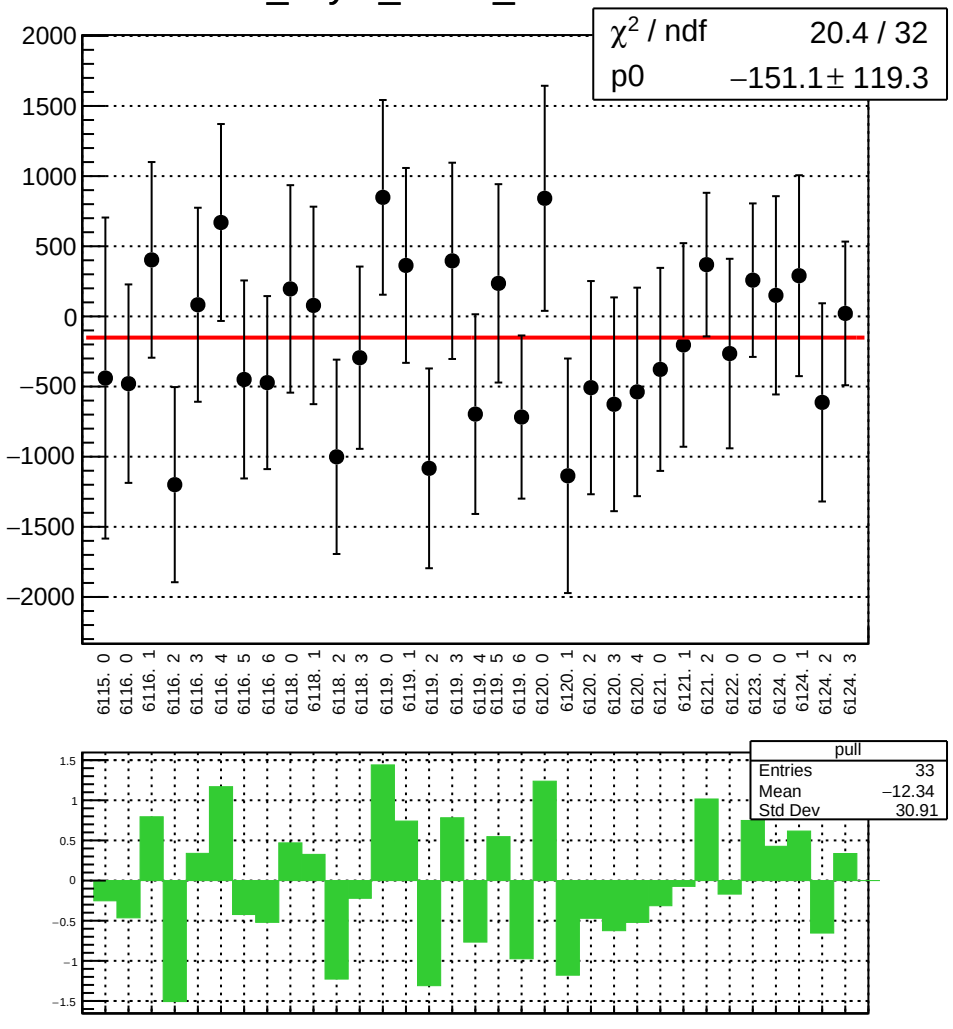

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 37.95 / 32
p0 1.244e+04 ± 1.589e+04
300
200
100
0
−100
−200
−300
−400
−500
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −198.3
Std Dev 207.4
2
1
0
−1
−2
−3

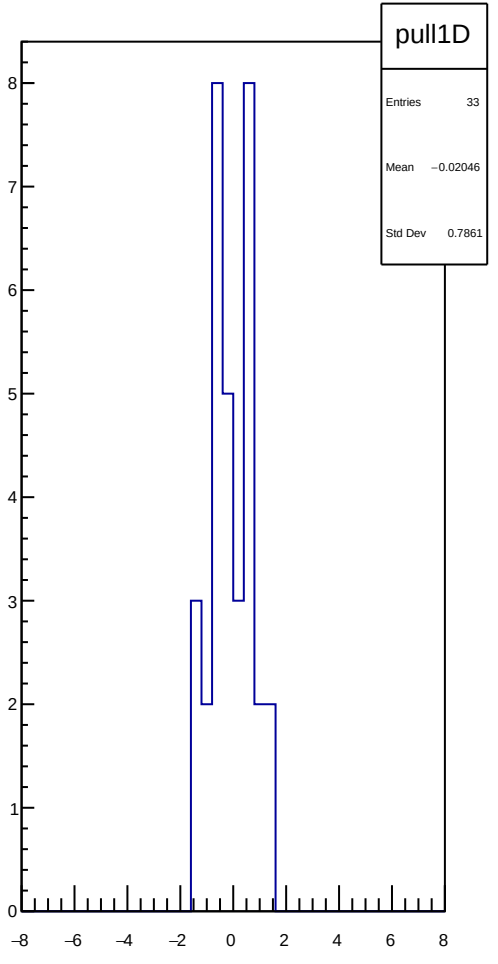

pull1D
Entries 33
Mean 0.006721
Std Dev 1.072
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

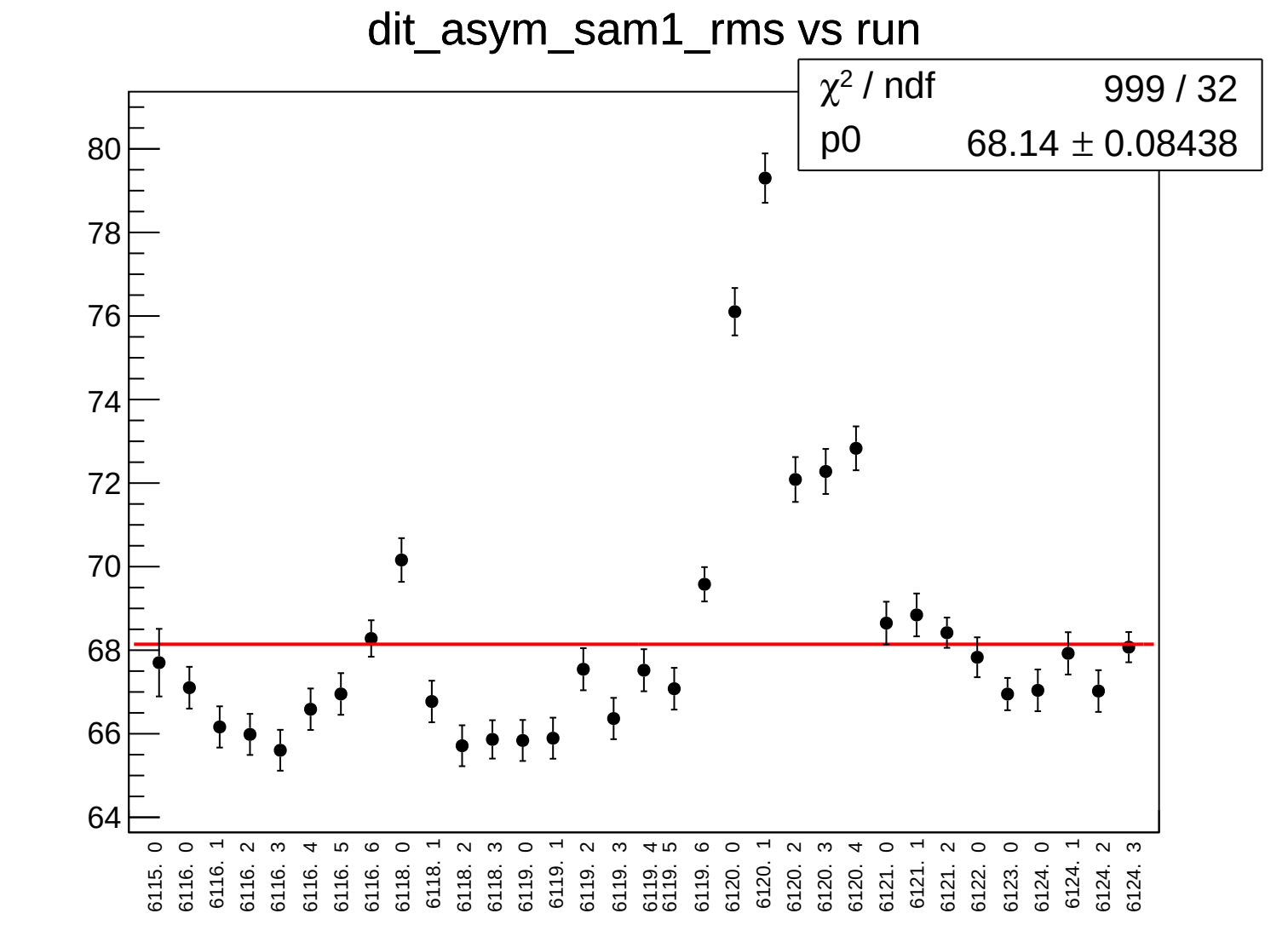

asym_atr2_correction_rms vs run
χ² / ndf 3749 / 32
p0 9055 ± 11.24
10500
10000
9500
9000
8500
8000
7500
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

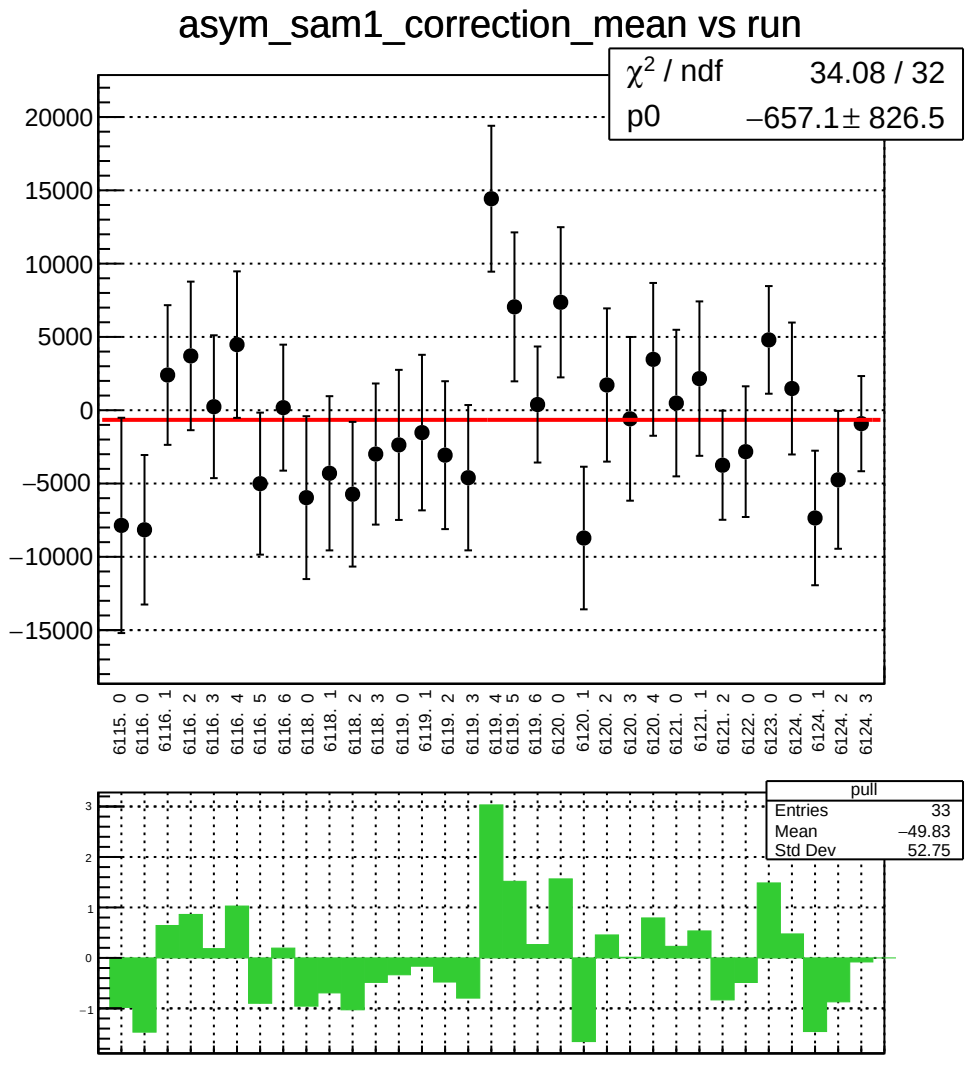

asym_atr2_mean vs run
×10^3
χ² / ndf 34.13 / 32
p0 −1.387e+04 ± 1.649e+04
400
300
200
100
0
−100
−200
−300
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −833.1
Std Dev 840.4
3
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.0009465
Std Dev 1.017
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

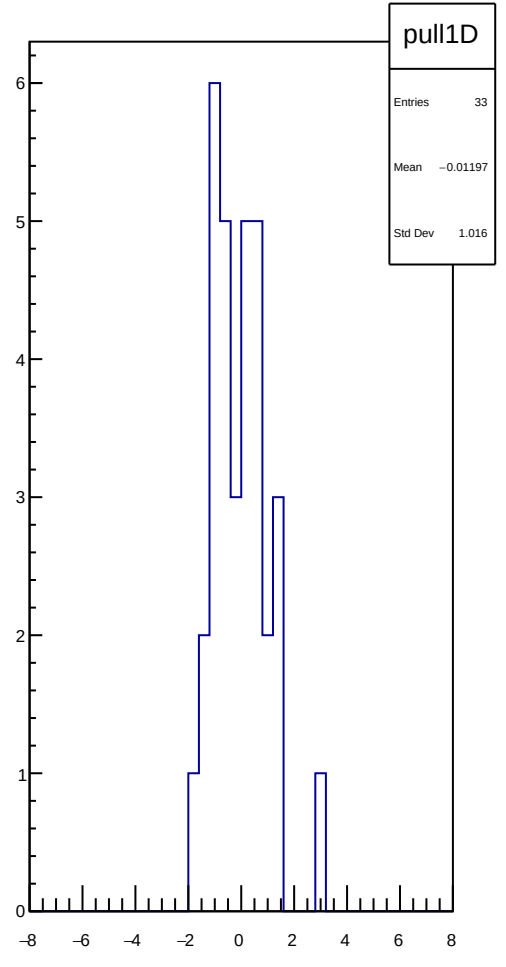

asym_atr2_rms vs run
χ² / ndf 3012 / 32
p0 9402 ± 11.66
11000
10500
10000
9500
9000
8500
8000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

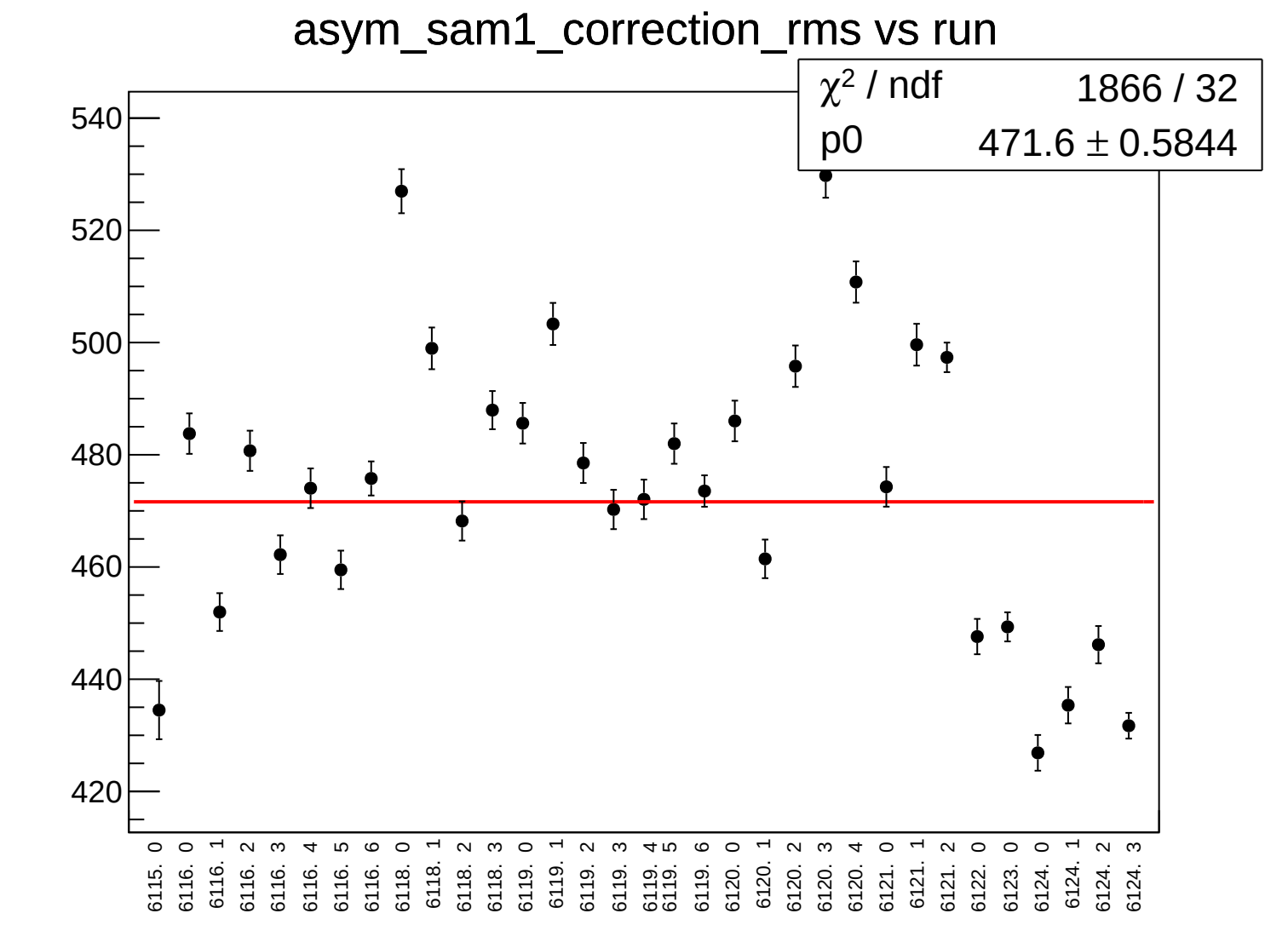

dit_asym_sam1_mean vs run
χ² / ndf 20.4 / 32
p0 −151.1± 119.3
2000
1500
1000
500
0
−500
−1000
−1500
−2000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −12.34
Std Dev 30.91
1.5
1
0.5
0
−0.5
−1
−1.5

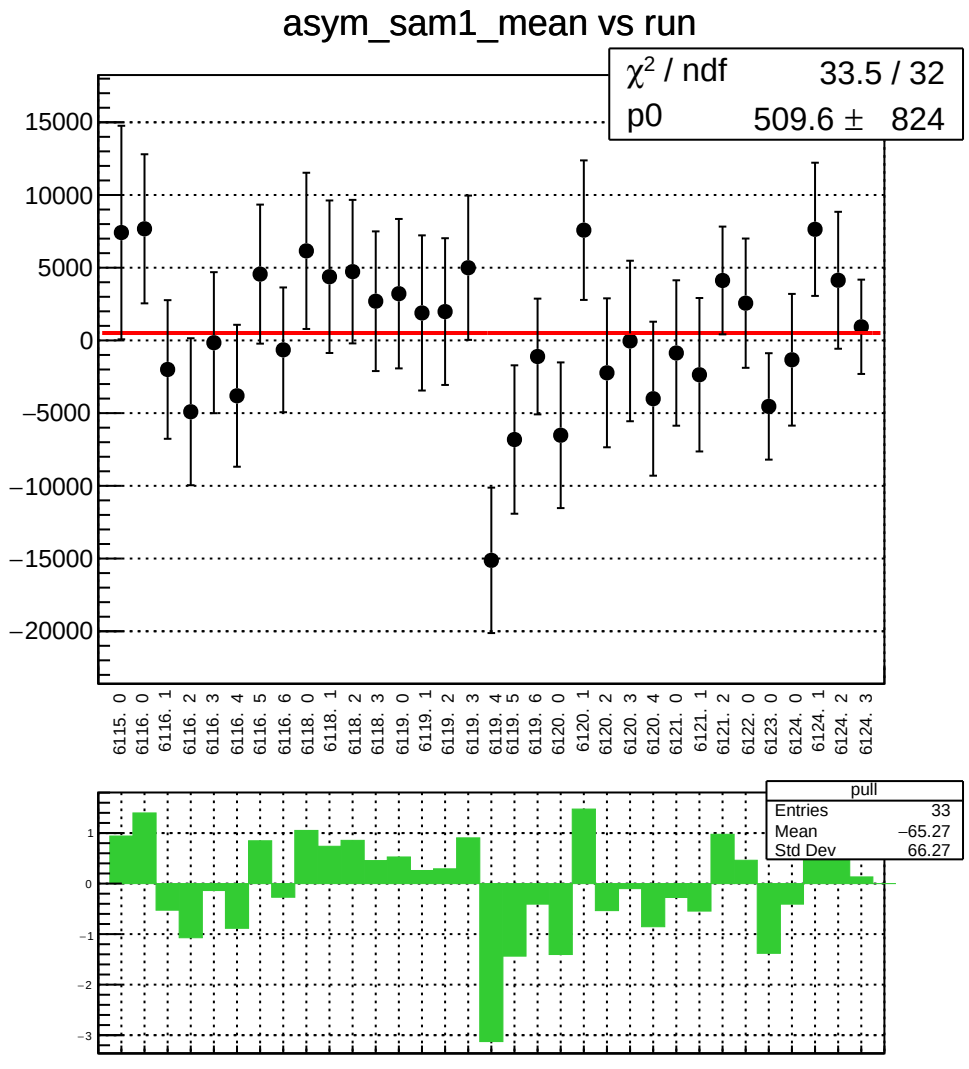

pull1D
Entries 33
Mean −0.02046
Std Dev 0.7861
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

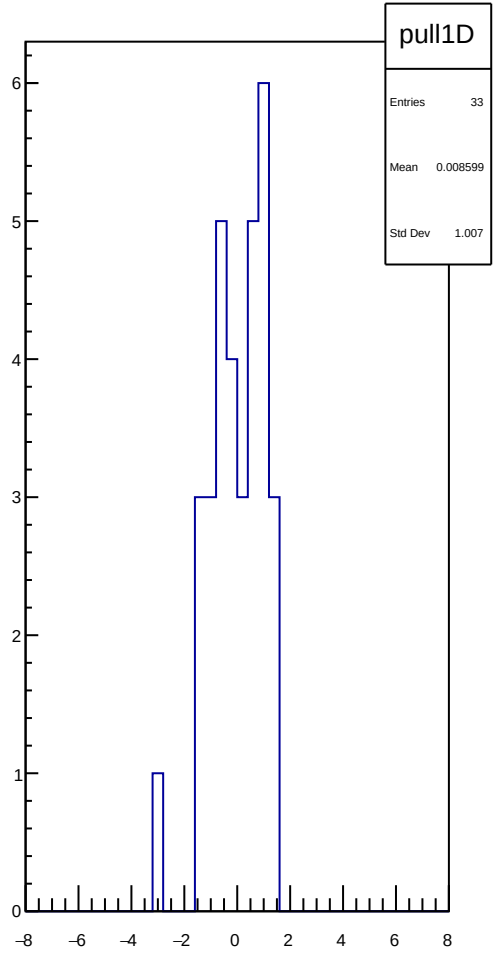

dit_asym_sam1_rms vs run
χ² / ndf 999 / 32
p0 68.14 ± 0.08438
80
78
76
74
72
70
68
66
64
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

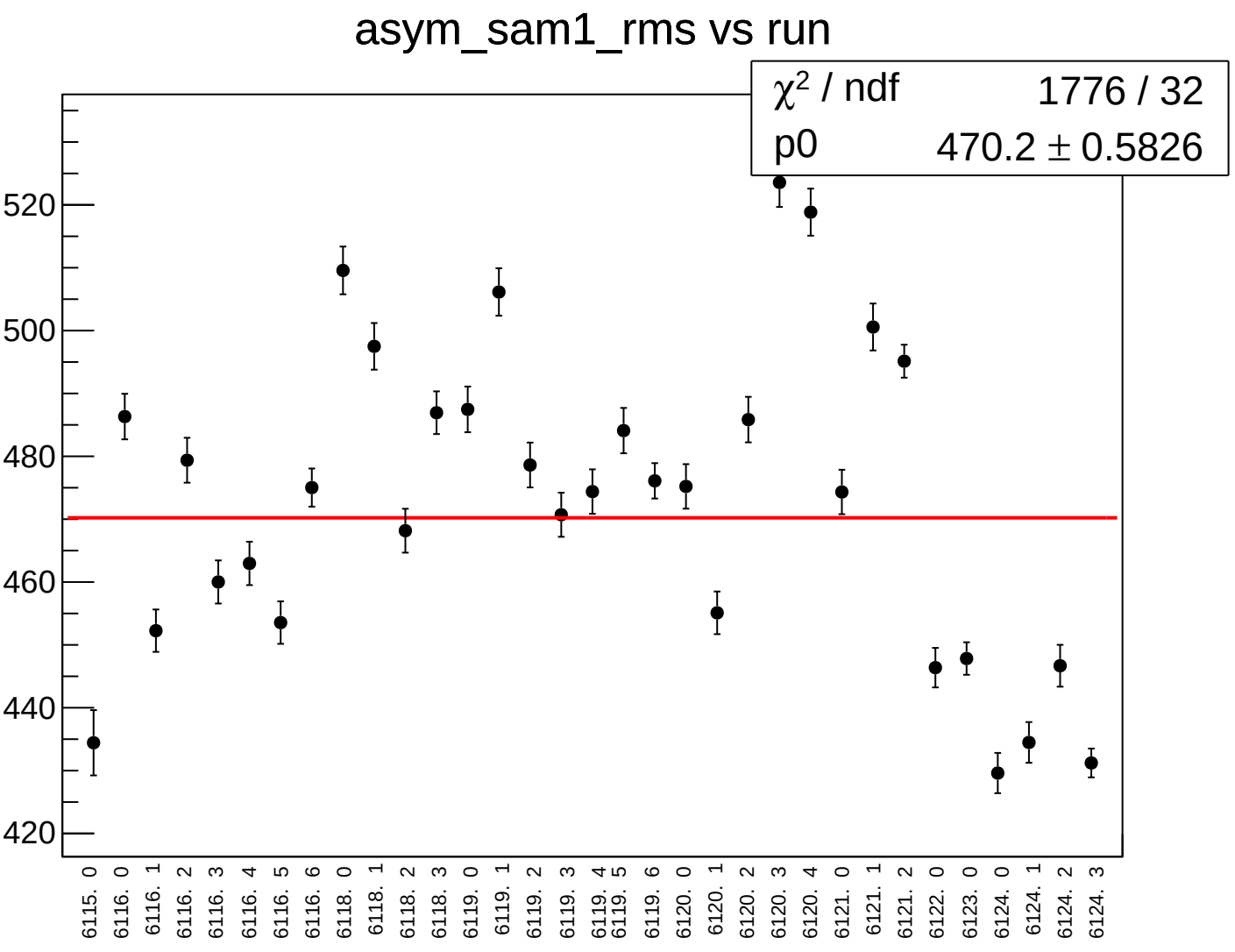

asym_sam1_correction_mean vs run
χ² / ndf 34.08 / 32
p0 −657.1± 826.5
20000
15000
10000
5000
0
−5000
−10000
−15000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −49.83
Std Dev 52.75
3
2
1
0
−1

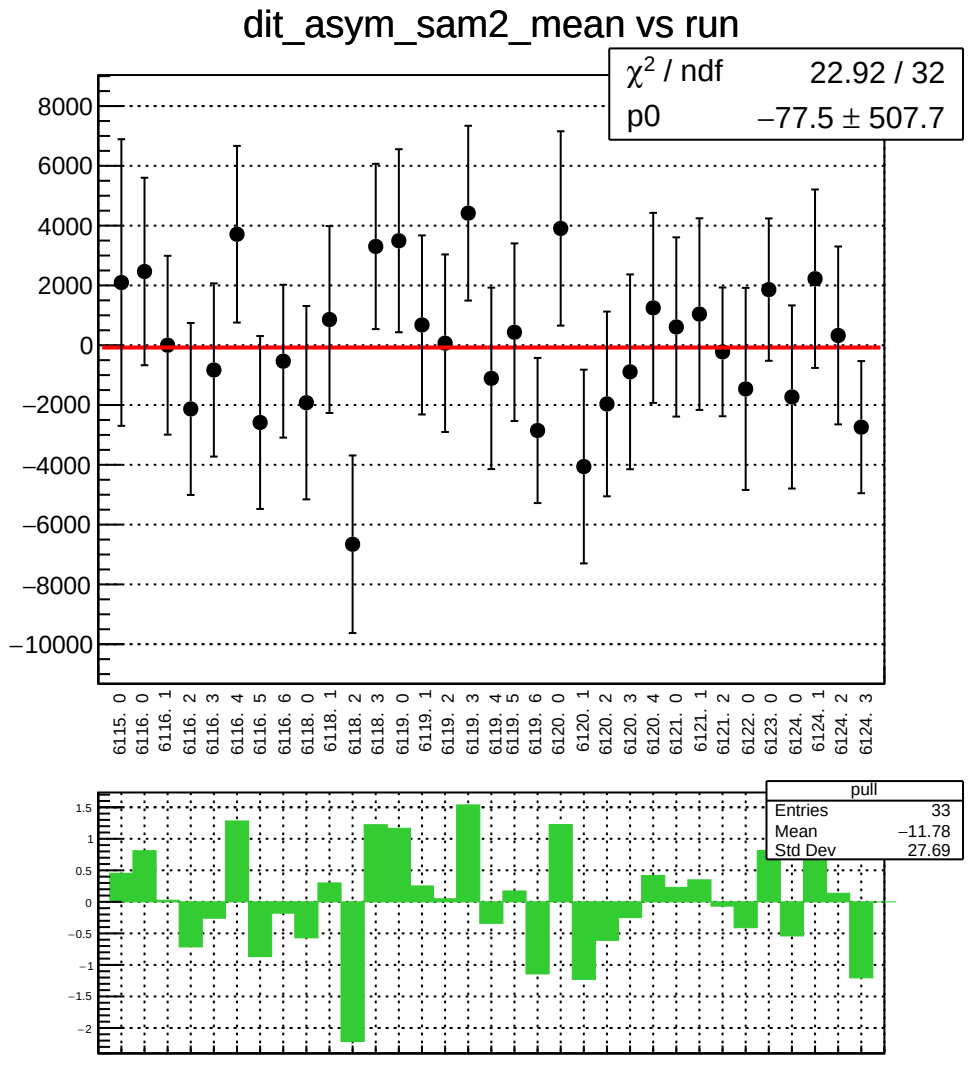

pull1D
Entries 33
Mean −0.01197
Std Dev 1.016
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

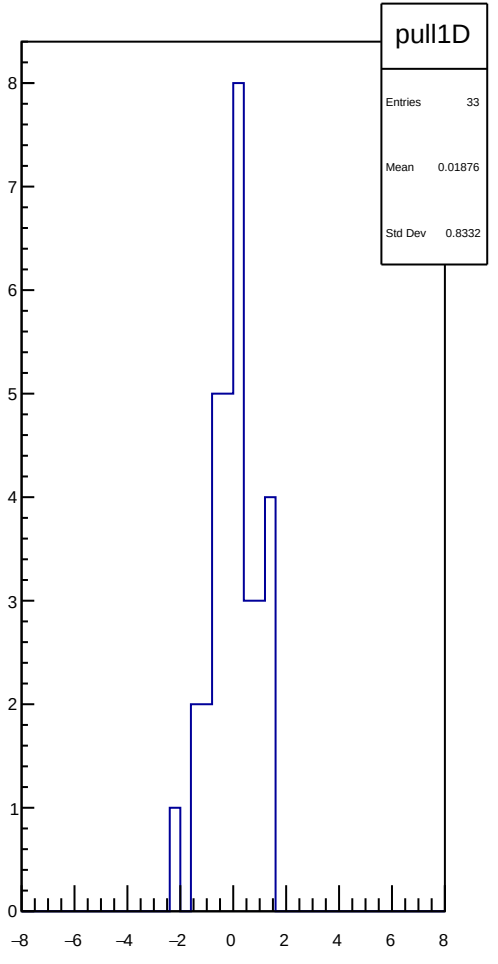

asym_sam1_correction_rms vs run
χ^2 / ndf 1866 / 32
p0 471.6 ± 0.5844
540
520
500
480
460
440
420
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

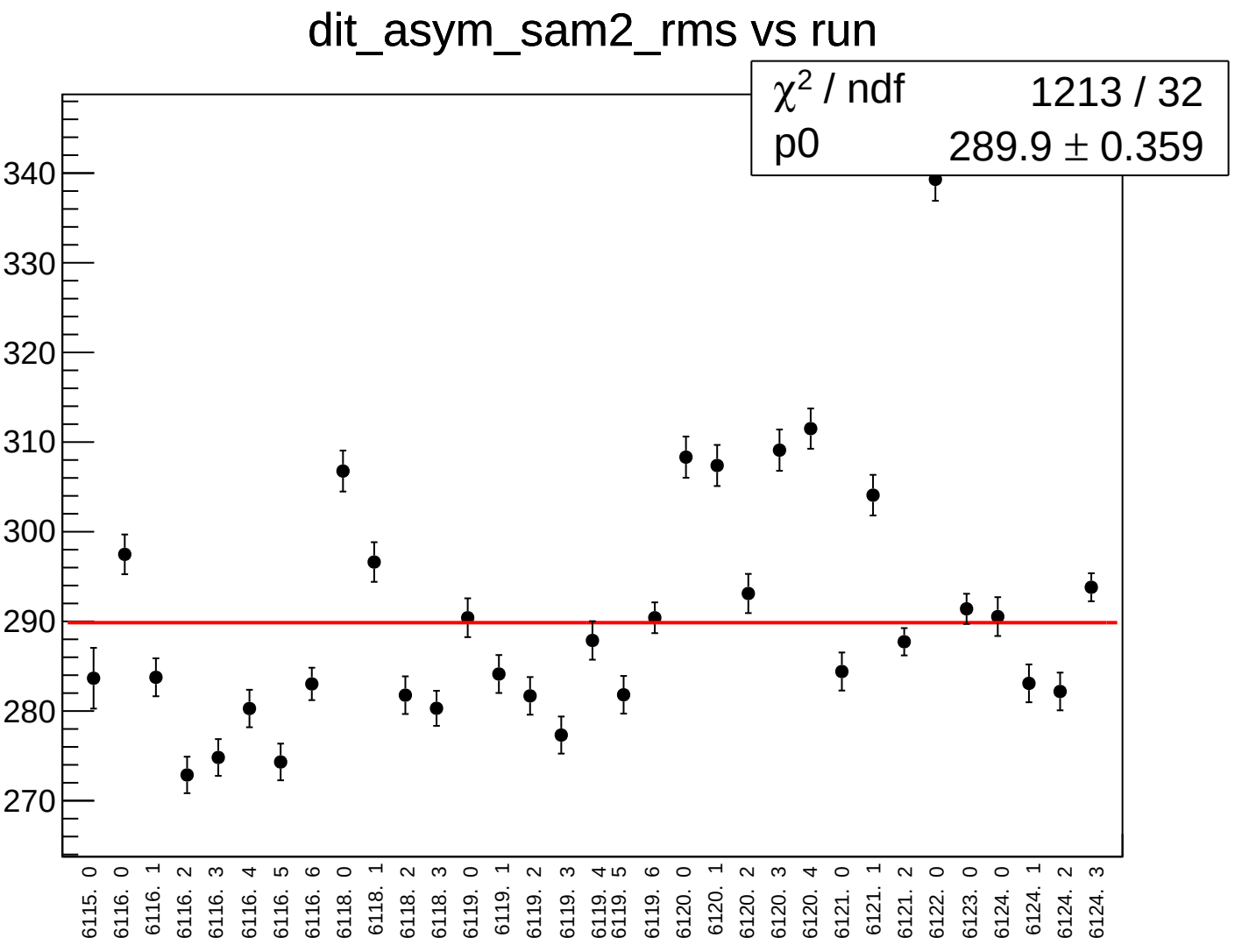

asym_sam1_mean vs run
χ² / ndf 33.5 / 32
p0 509.6 ± 824
15000
10000
5000
0
−5000
−10000
−15000
−20000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −65.27
Std Dev 66.27
1
0
−1
−2
−3

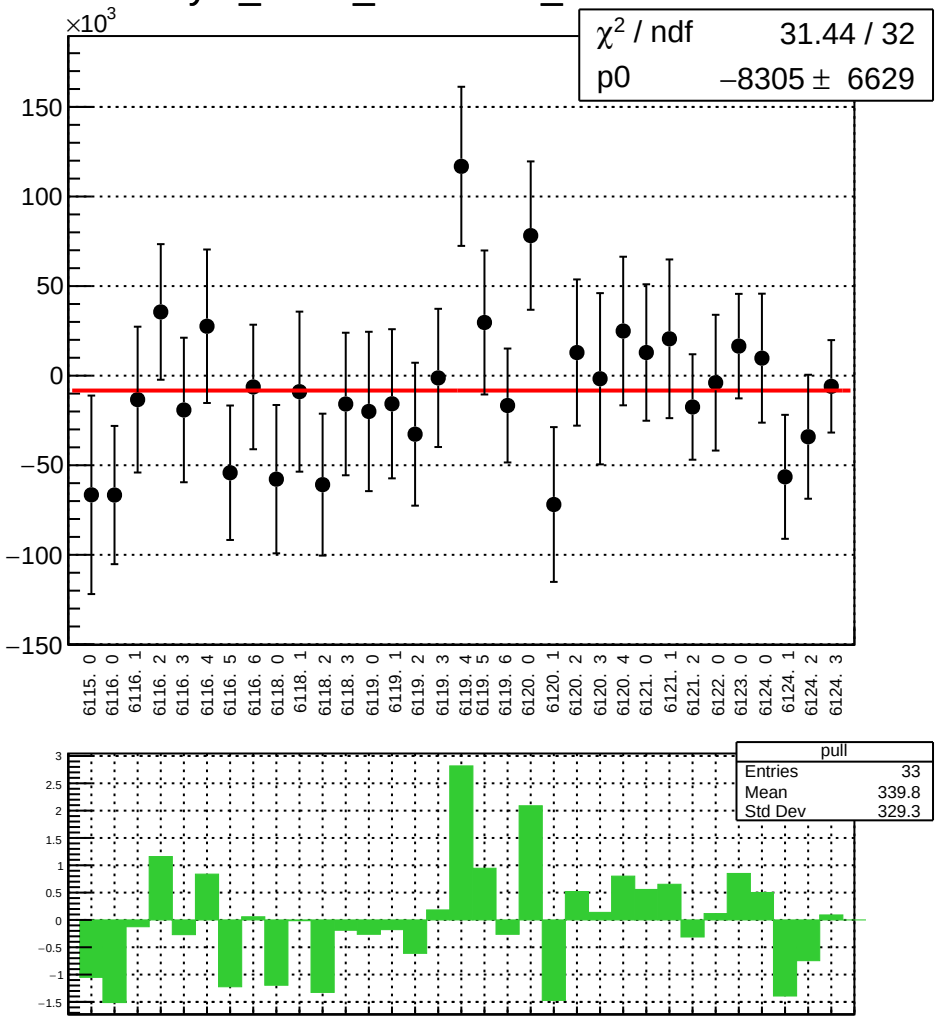

pull1D
Entries 33
Mean 0.008599
Std Dev 1.007
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

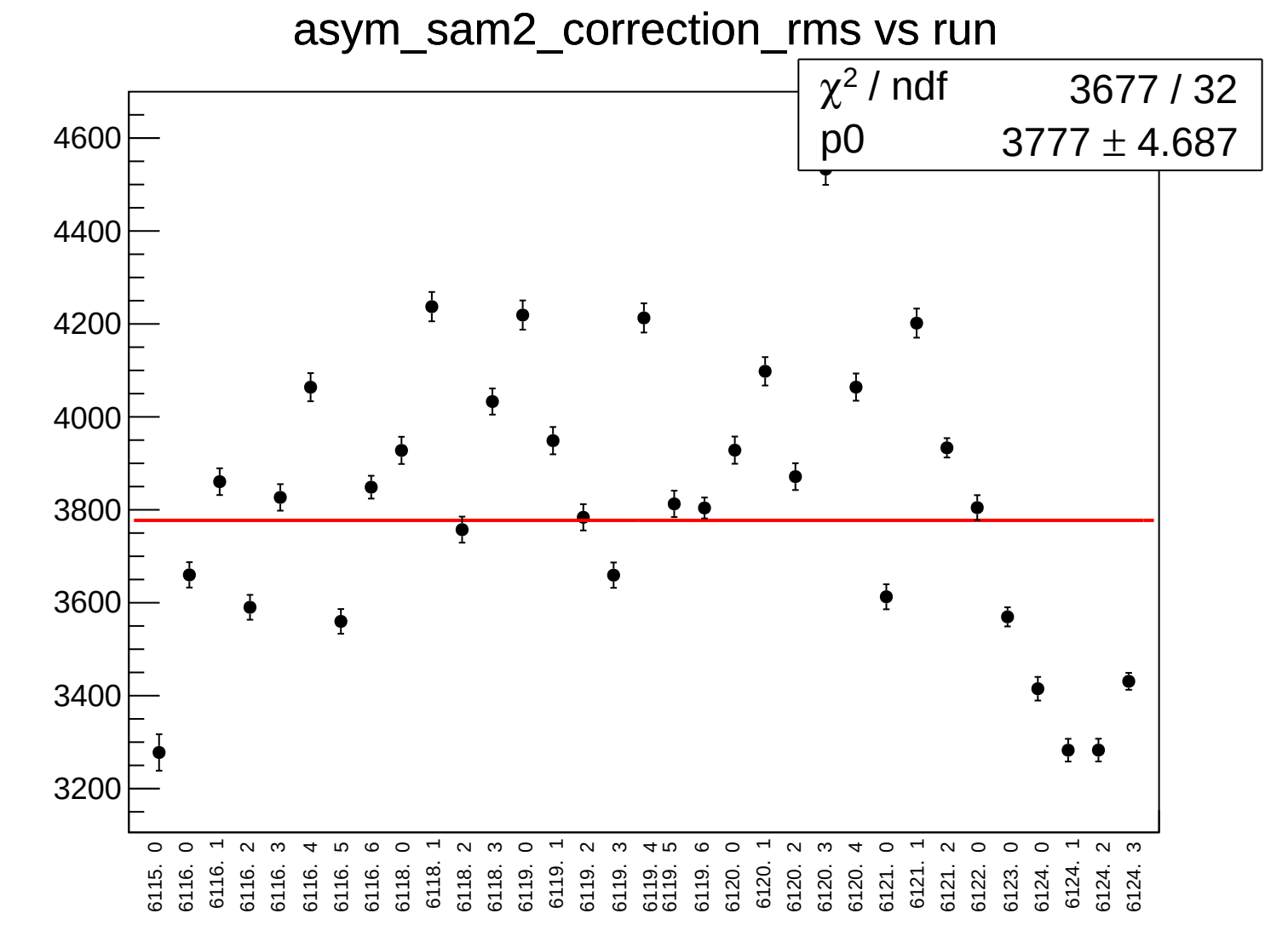

asym_sam1_rms vs run
χ² / ndf 1776 / 32
p0 470.2 ± 0.5826
520
500
480
460
440
420
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

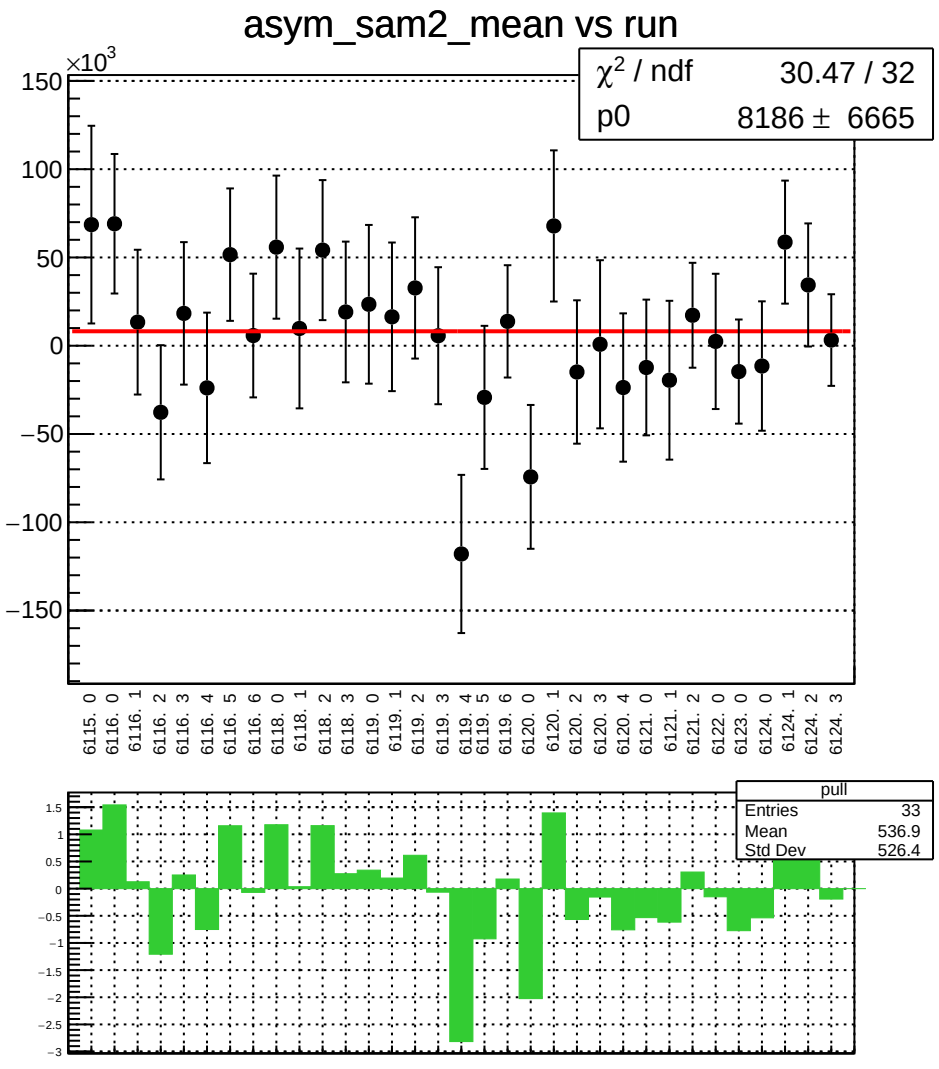

dit_asym_sam2_mean vs run
χ² / ndf 22.92 / 32
p0 −77.5 ± 507.7
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −11.78
Std Dev 27.69
1.5
1
0.5
0
−0.5
−1
−1.5
−2

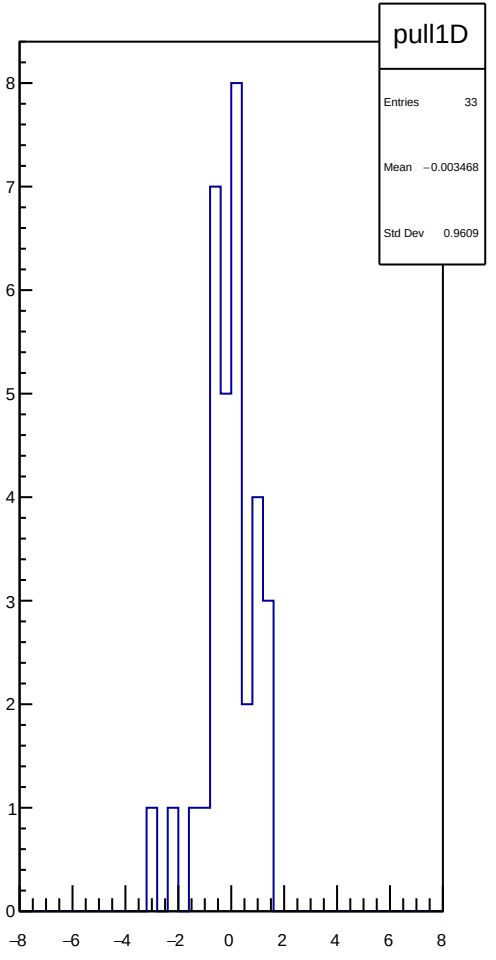

pull1D
Entries 33
Mean 0.01876
Std Dev 0.8332
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

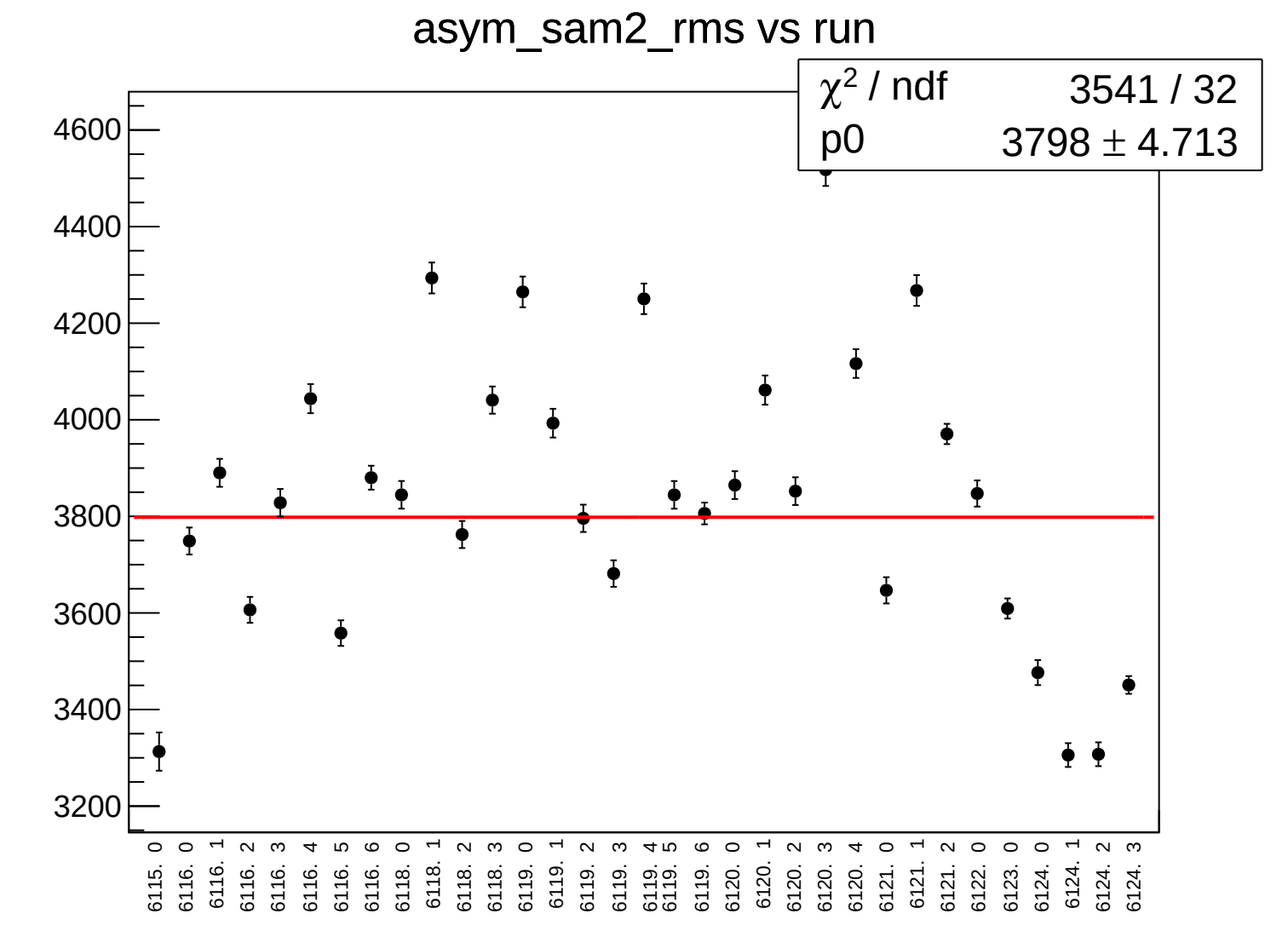

dit_asym_sam2_rms vs run
χ² / ndf 1213 / 32
p0 289.9 ± 0.359
340
330
320
310
300
290
280
270
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

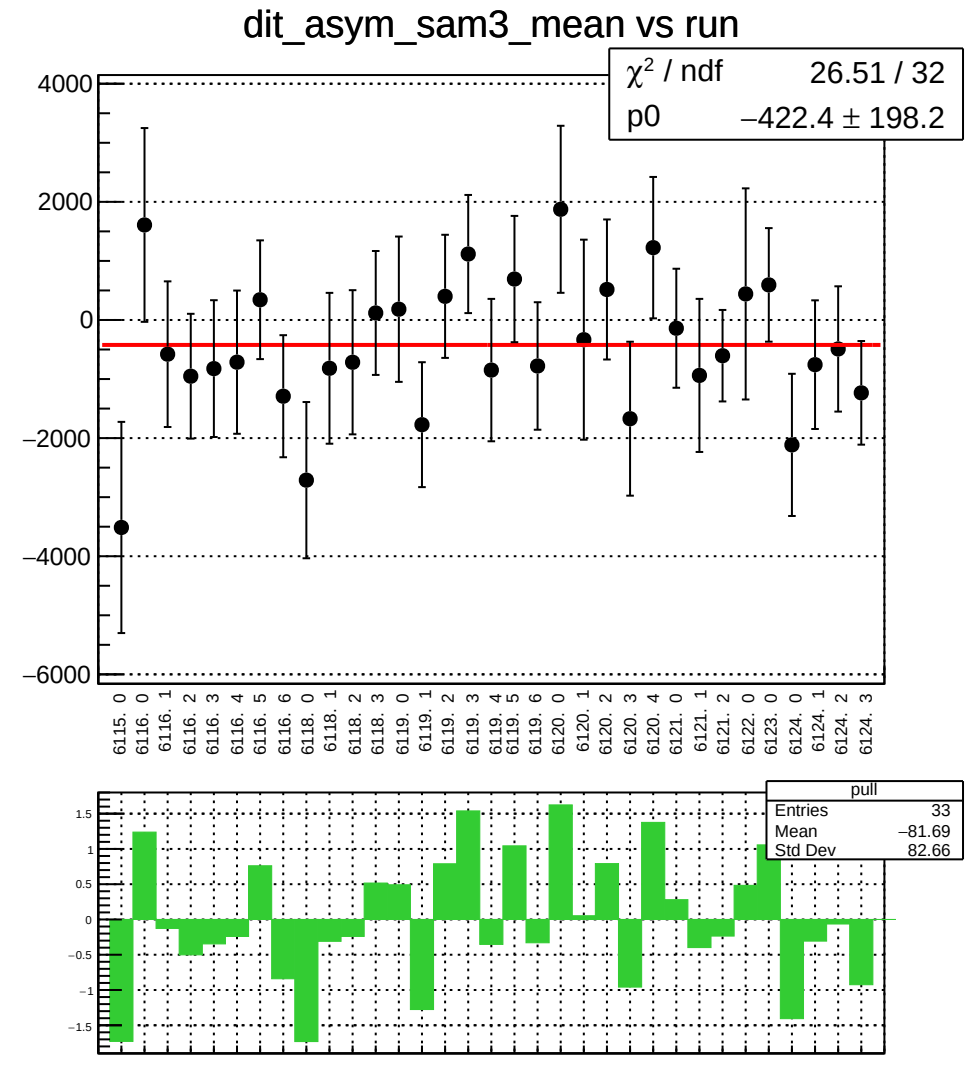

asym_sam2_correction_mean vs run
×10^3
χ^2 / ndf 31.44 / 32
p0 −8305 ± 6629
150
100
50
0
−50
−100
−150
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 339.8
Std Dev 329.3
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.00552
Std Dev 0.9761
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

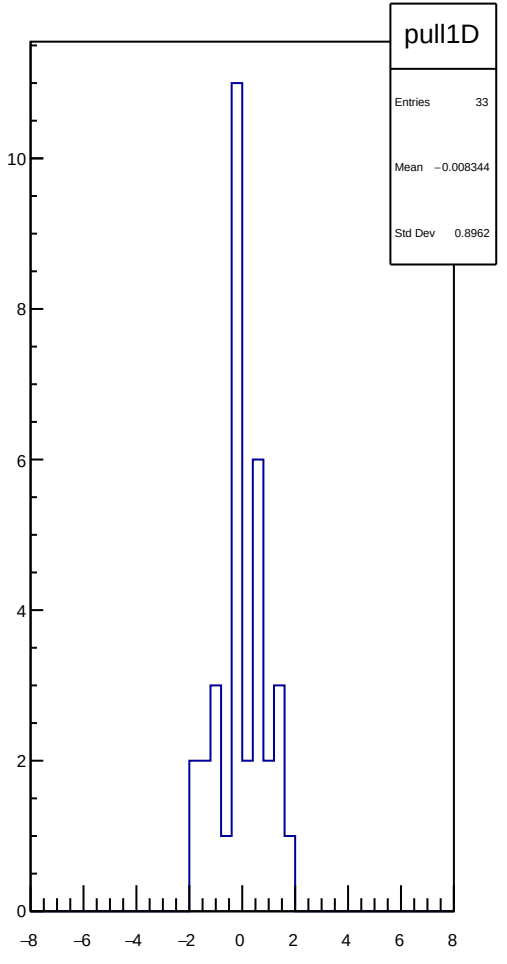

asym_sam2_correction_rms vs run
χ² / ndf 3677 / 32
p0 3777 ± 4.687
4600
4400
4200
4000
3800
3600
3400
3200
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

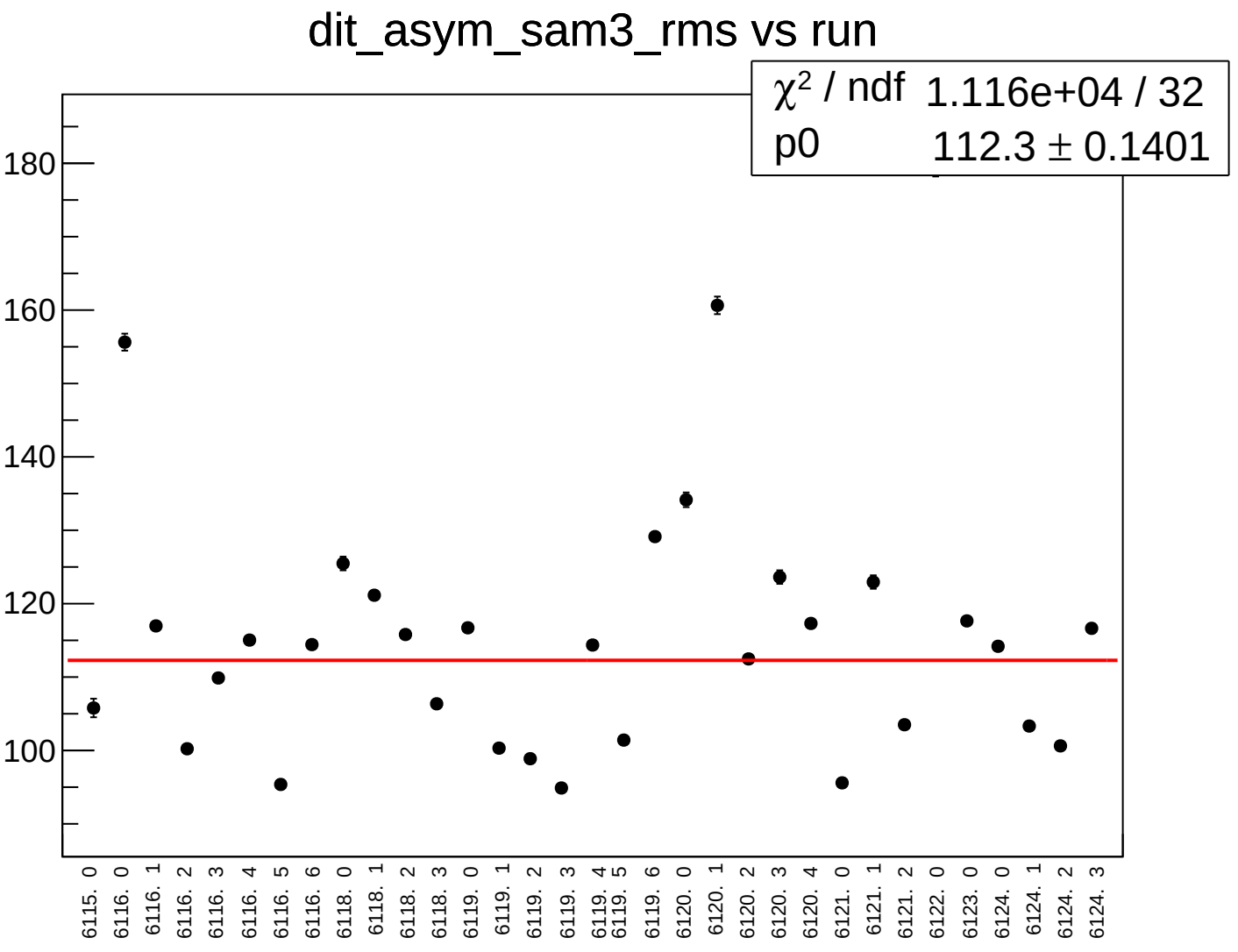

asym_sam2_mean vs run
×10^3
χ^2 / ndf 30.47 / 32
p0 8186 ± 6665
150
100
50
0
−50
−100
−150
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 536.9
Std Dev 526.4
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

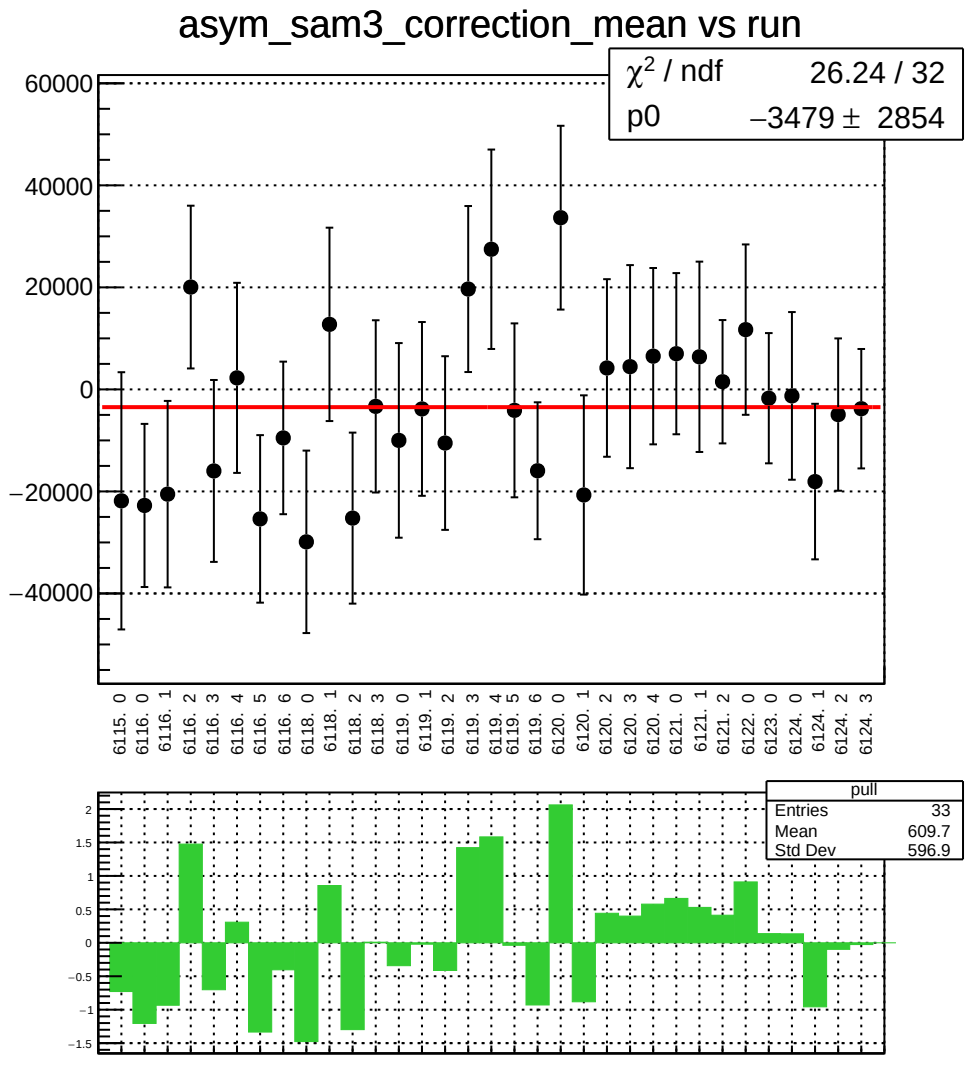

pull1D
Entries 33
Mean −0.003468
Std Dev 0.9609
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

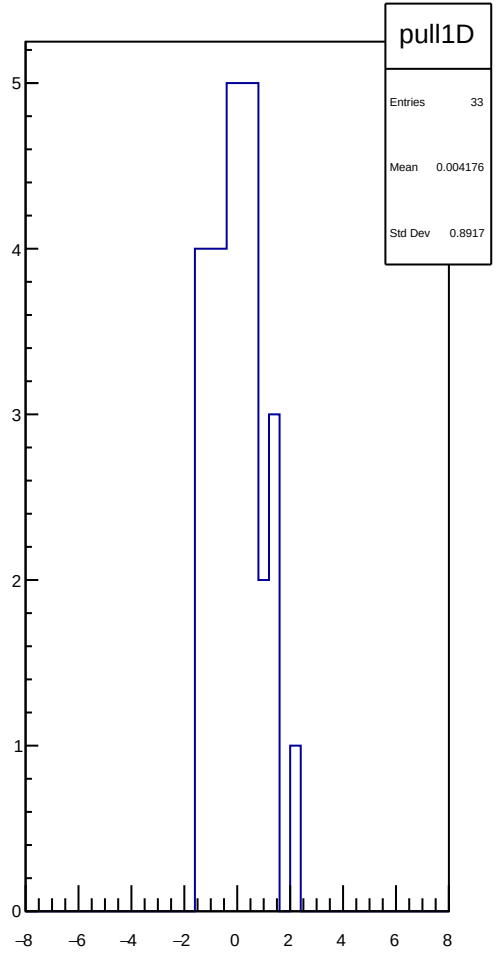

asym_sam2_rms vs run
χ² / ndf 3541 / 32
p0 3798 ± 4.713
4600
4400
4200
4000
3800
3600
3400
3200
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

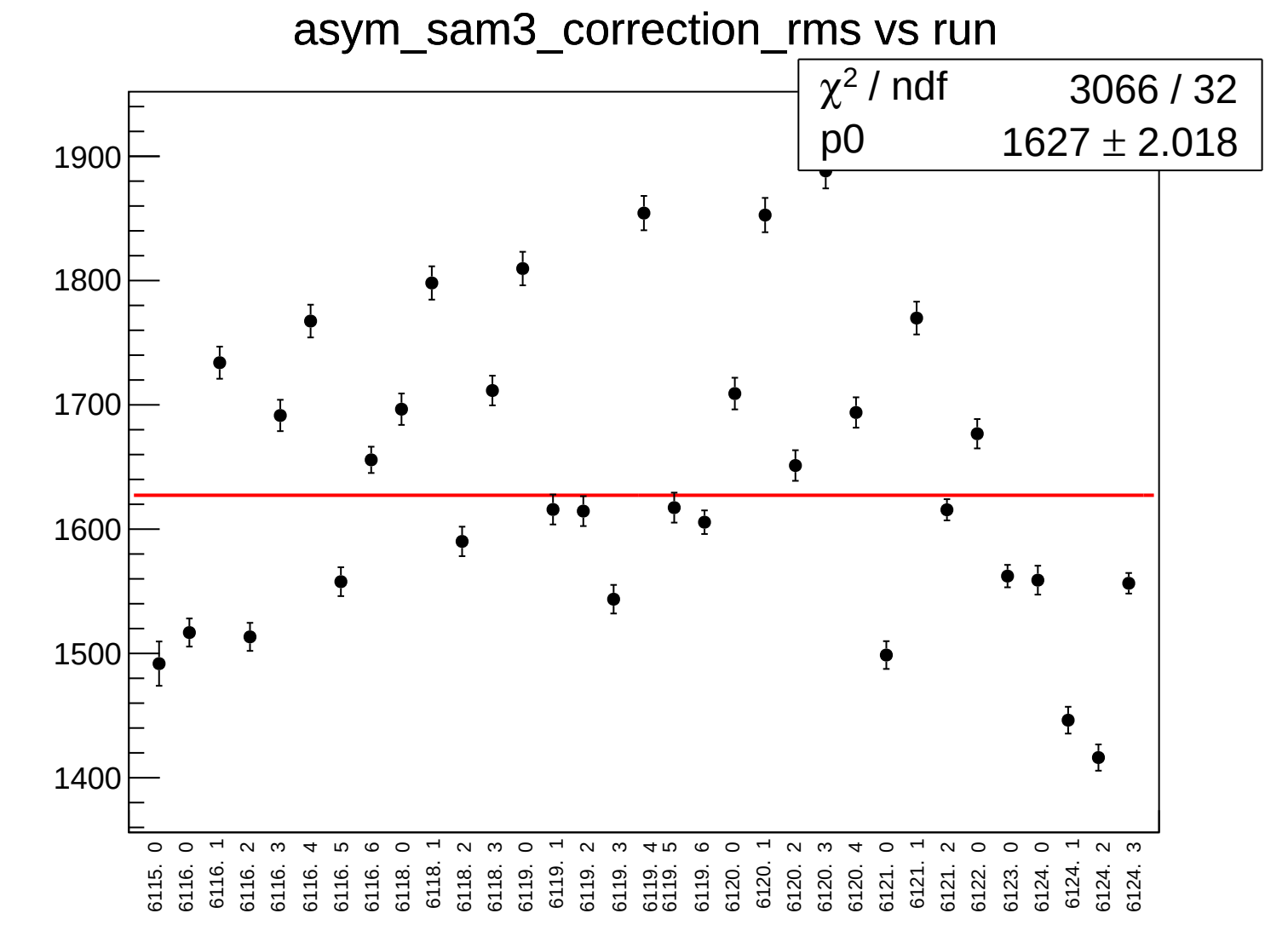

dit_asym_sam3_mean vs run
χ² / ndf 26.51 / 32
p0 −422.4 ± 198.2
4000
2000
0
−2000
−4000
−6000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −81.69
Std Dev 82.66
1.5
1
0.5
0
−0.5
−1
−1.5

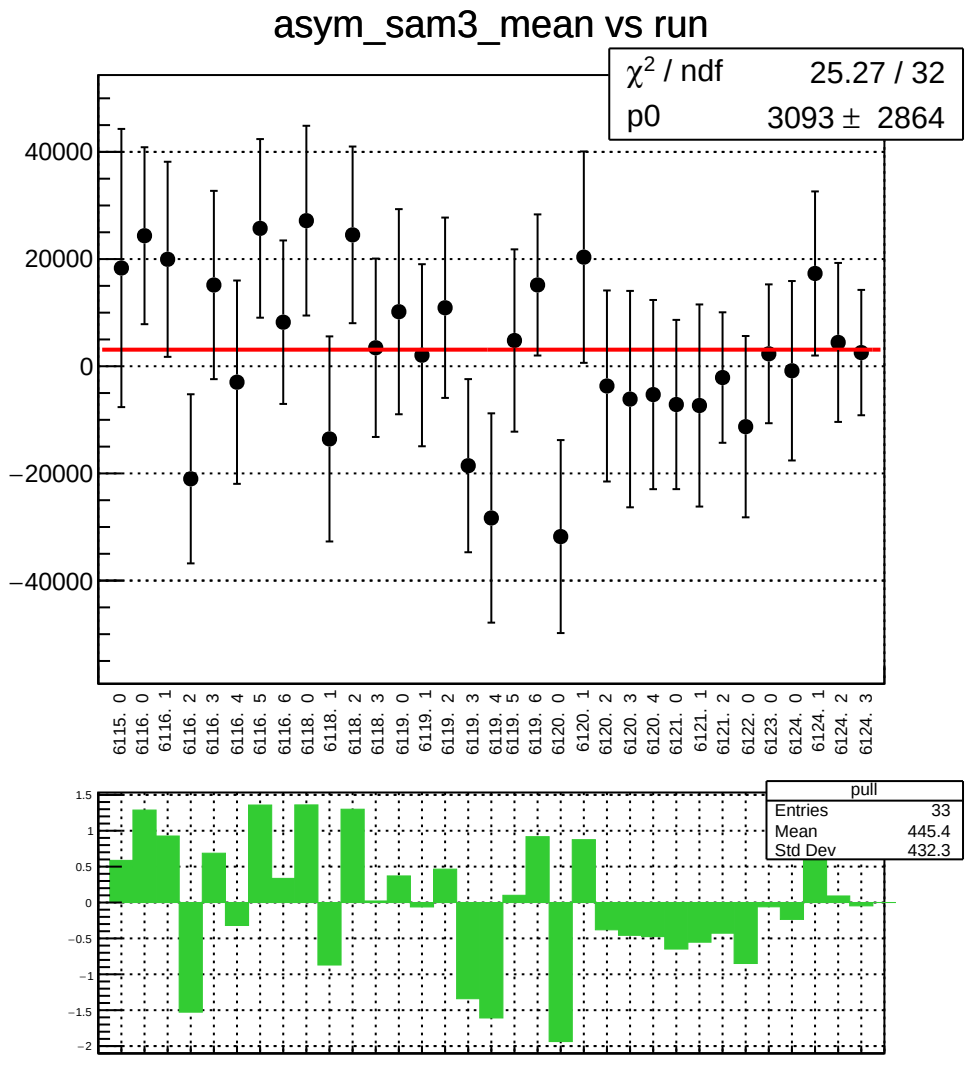

pull1D
Entries 33
Mean −0.008344
Std Dev 0.8962
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

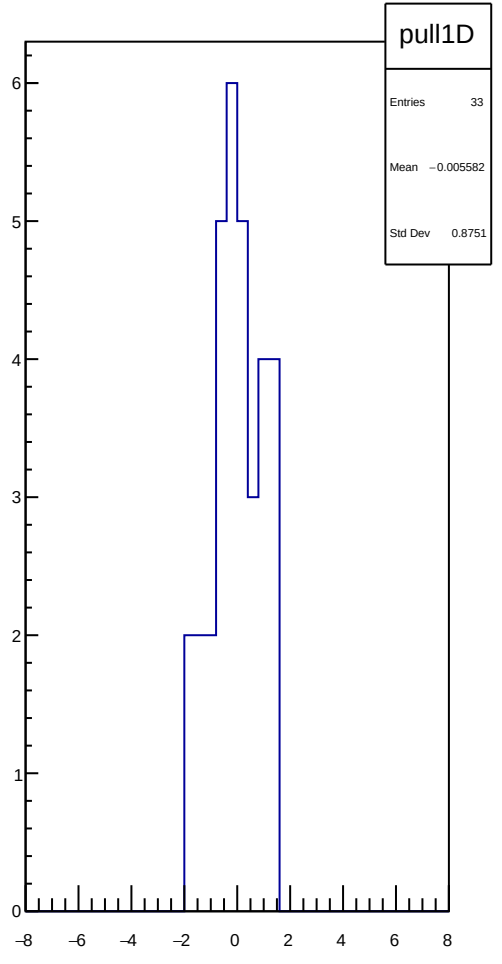

dit_asym_sam3_rms vs run
χ² / ndf 1.116e+04 / 32
p0 112.3 ± 0.1401
180
160
140
120
100
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

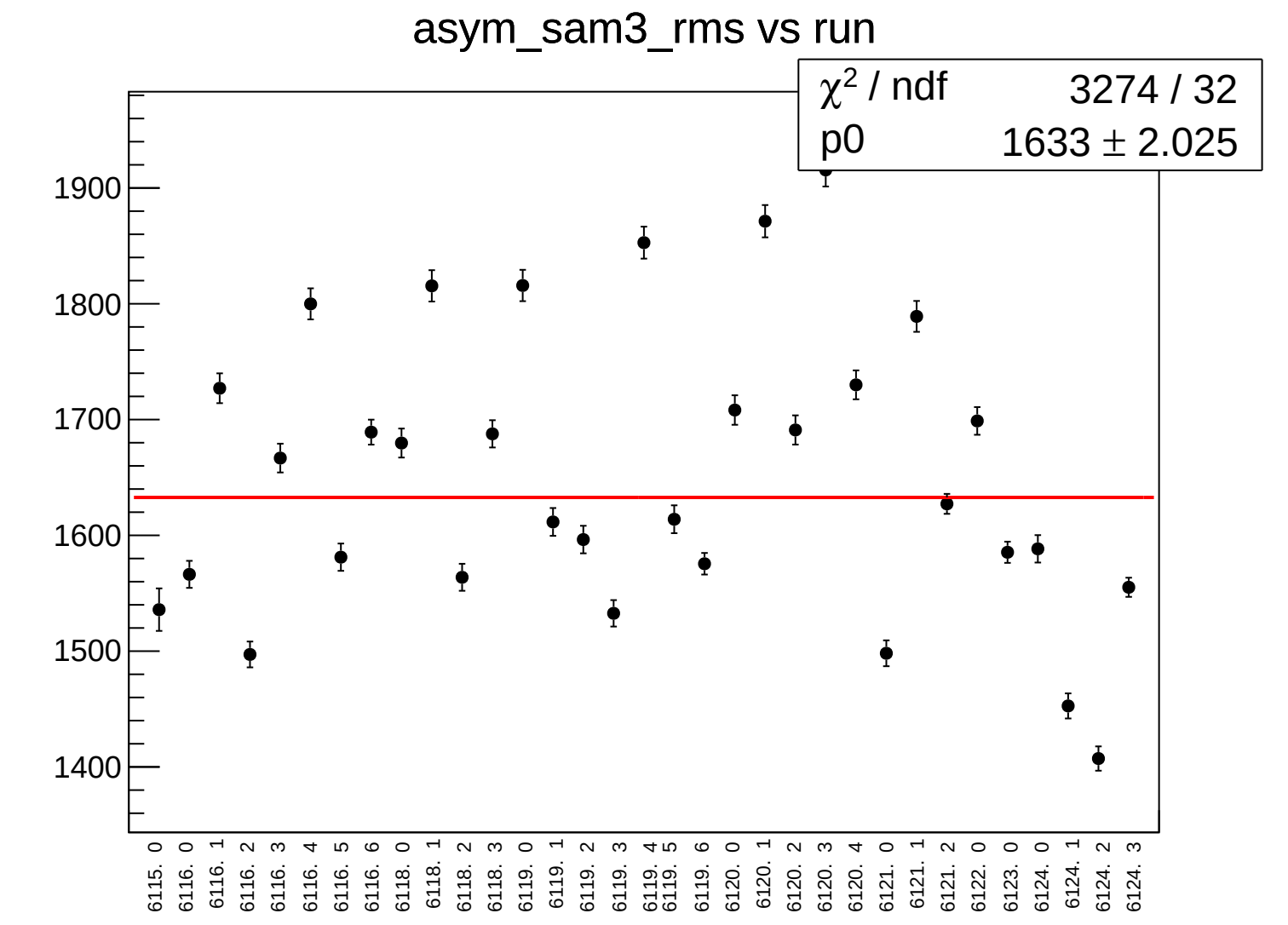

asym_sam3_correction_mean vs run
χ² / ndf 26.24 / 32
p0 −3479 ± 2854
60000
40000
20000
0
−20000
−40000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 609.7
Std Dev 596.9
2
1.5
1
0.5
0
−0.5
−1
−1.5

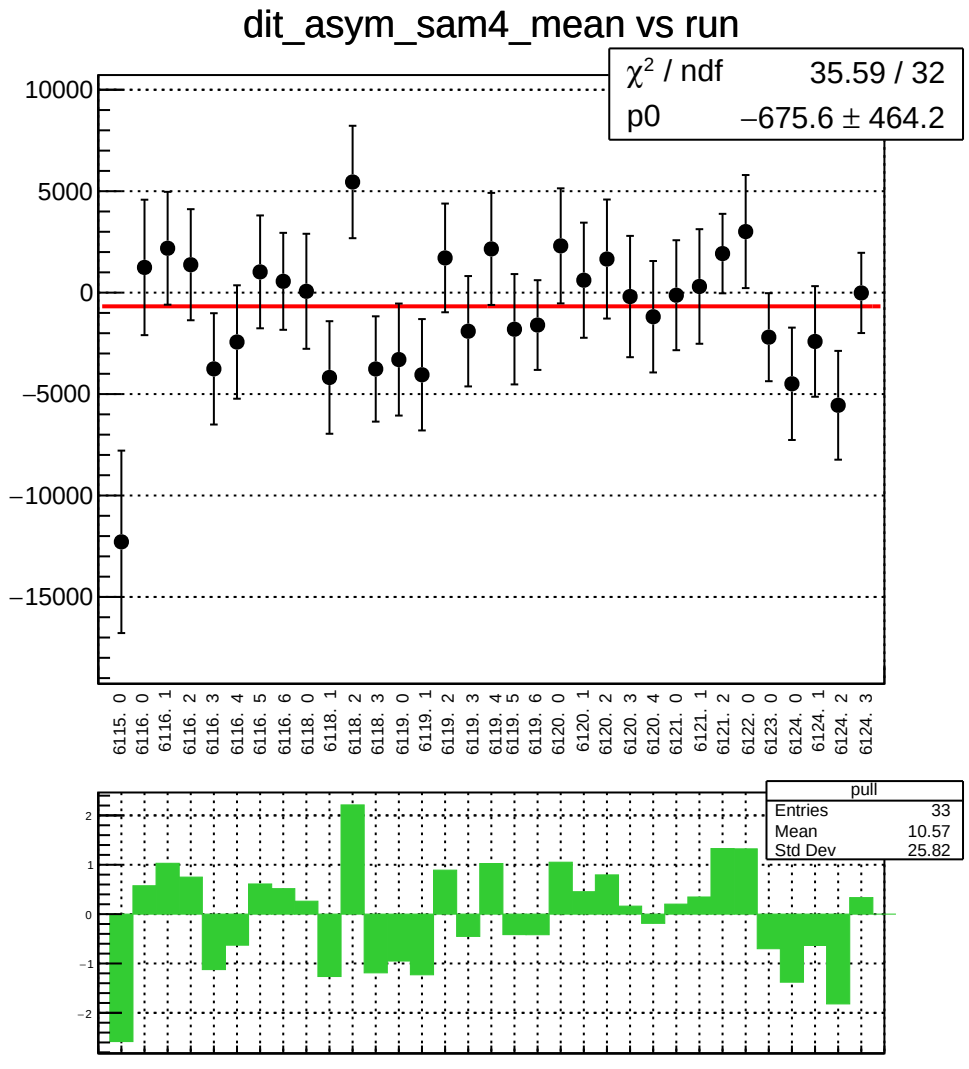

pull1D
Entries 33
Mean 0.004176
Std Dev 0.8917
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

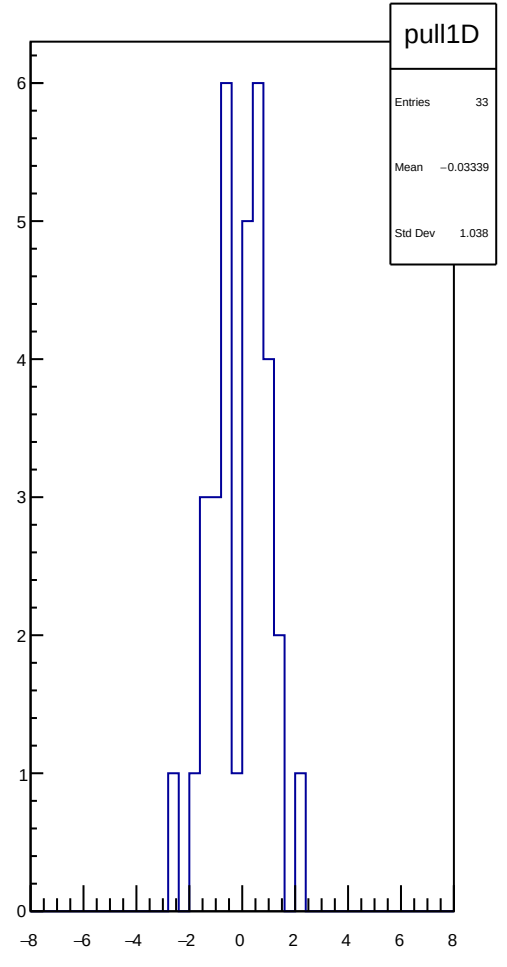

asym_sam3_correction_rms vs run
χ² / ndf 3066 / 32
p0 1627 ± 2.018
1900
1800
1700
1600
1500
1400
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

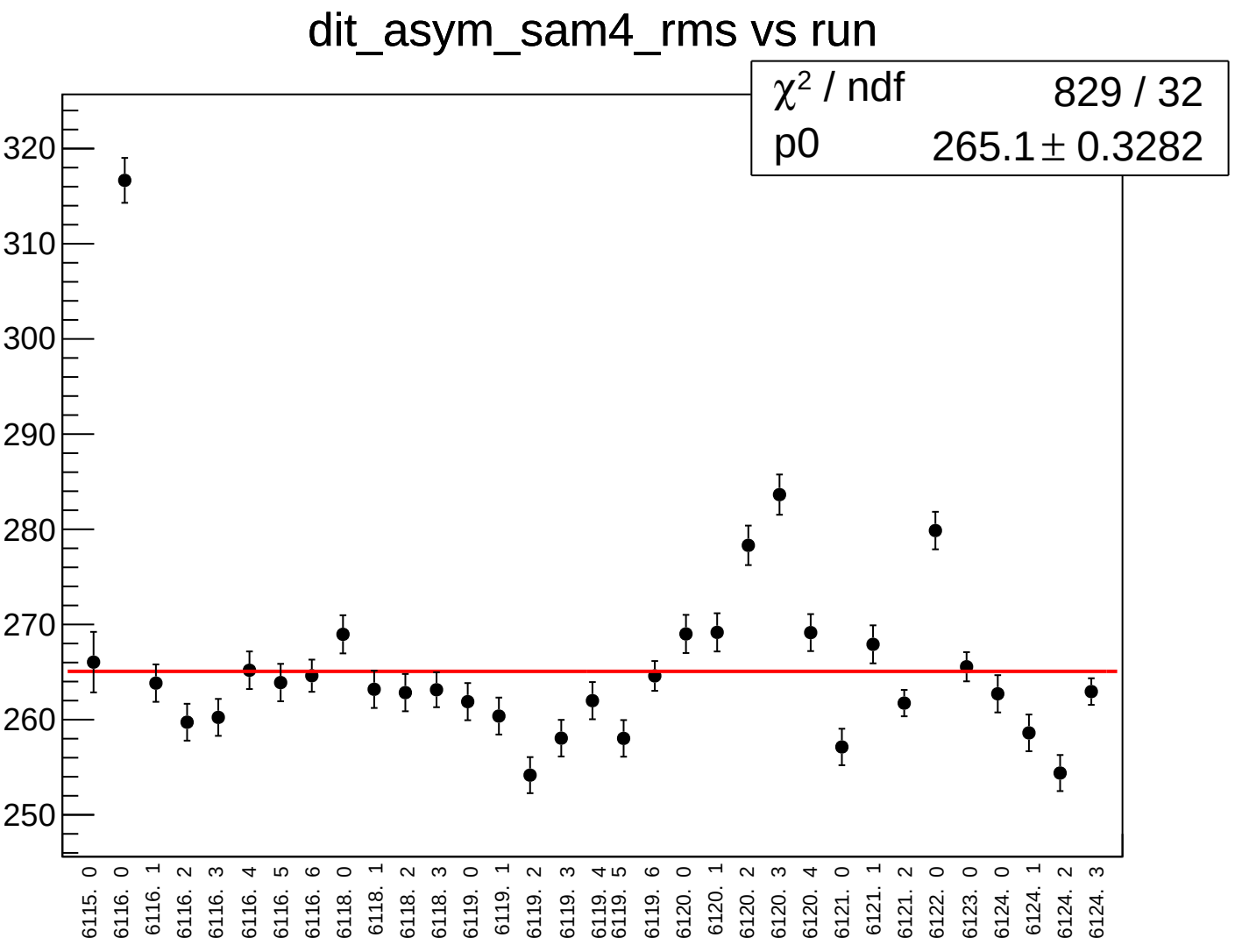

asym_sam3_mean vs run
χ² / ndf 25.27 / 32
p0 3093 ± 2864
40000
20000
0
−20000
−40000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 445.4
Std Dev 432.3
1.5
1
0.5
0
−0.5
−1
−1.5
−2

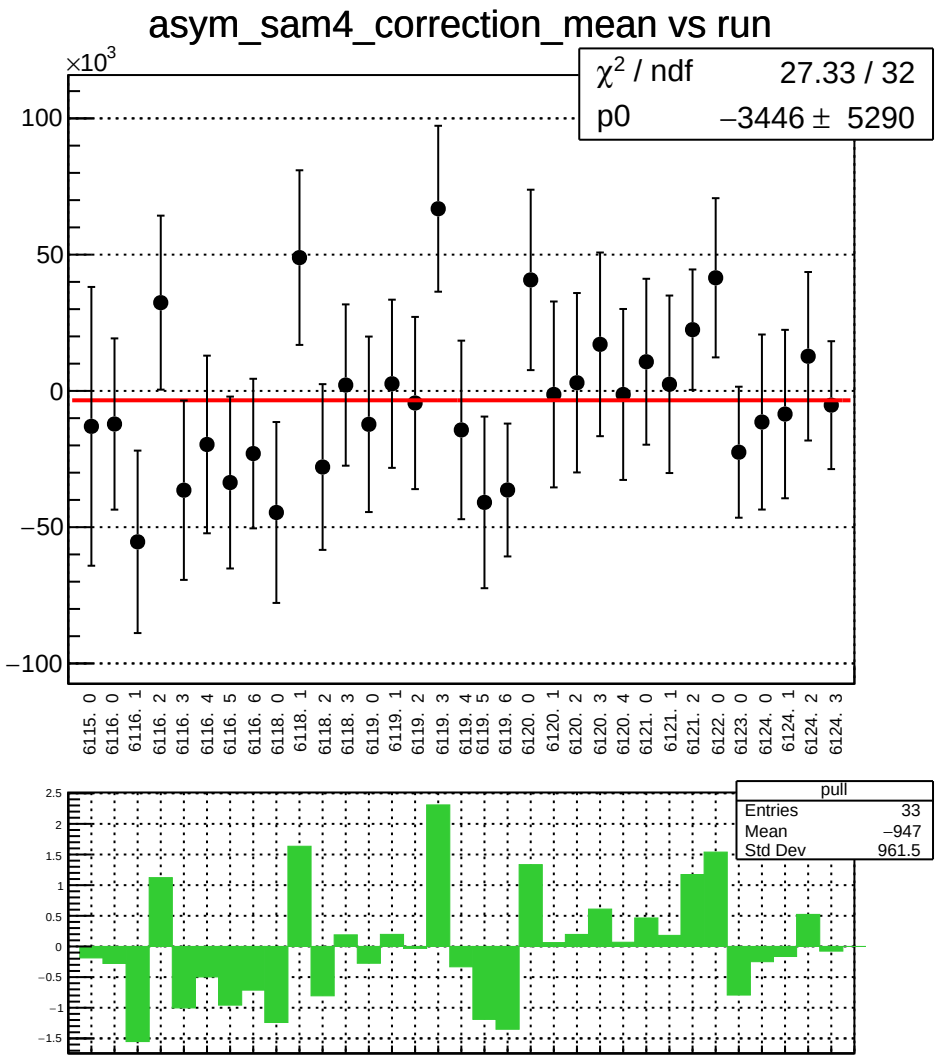

pull1D
Entries 33
Mean −0.005582
Std Dev 0.8751
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

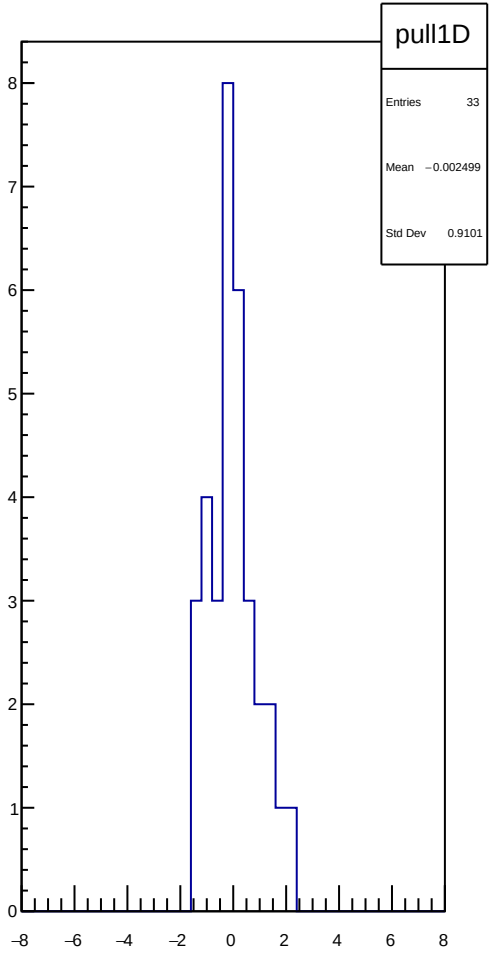

asym_sam3_rms vs run
χ² / ndf 3274 / 32
p0 1633 ± 2.025
1900
1800
1700
1600
1500
1400
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

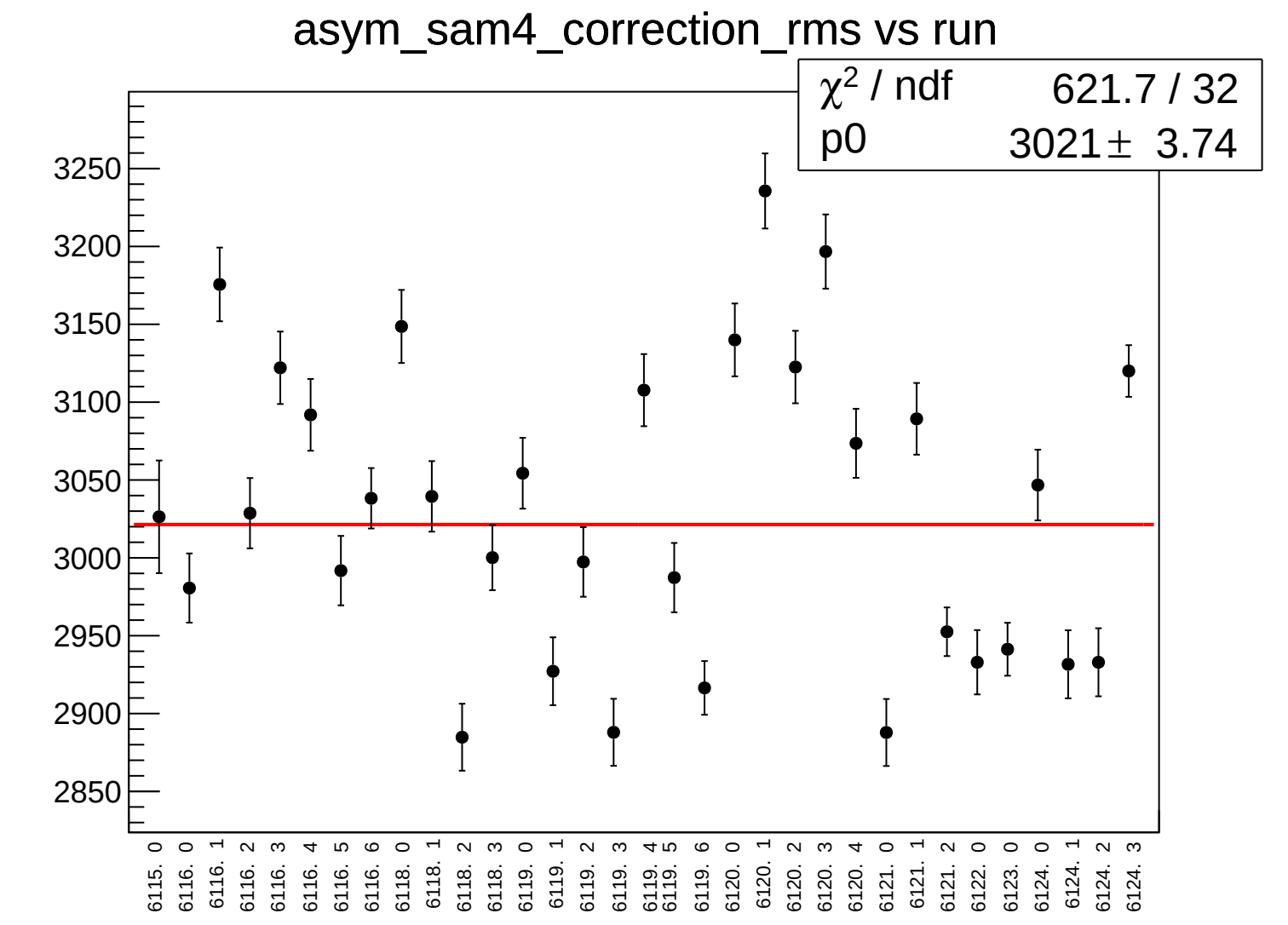

dit_asym_sam4_mean vs run
χ² / ndf 35.59 / 32
p0 −675.6 ± 464.2
10000
5000
0
−5000
−10000
−15000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 10.57
Std Dev 25.82
2
1
0
−1
−2

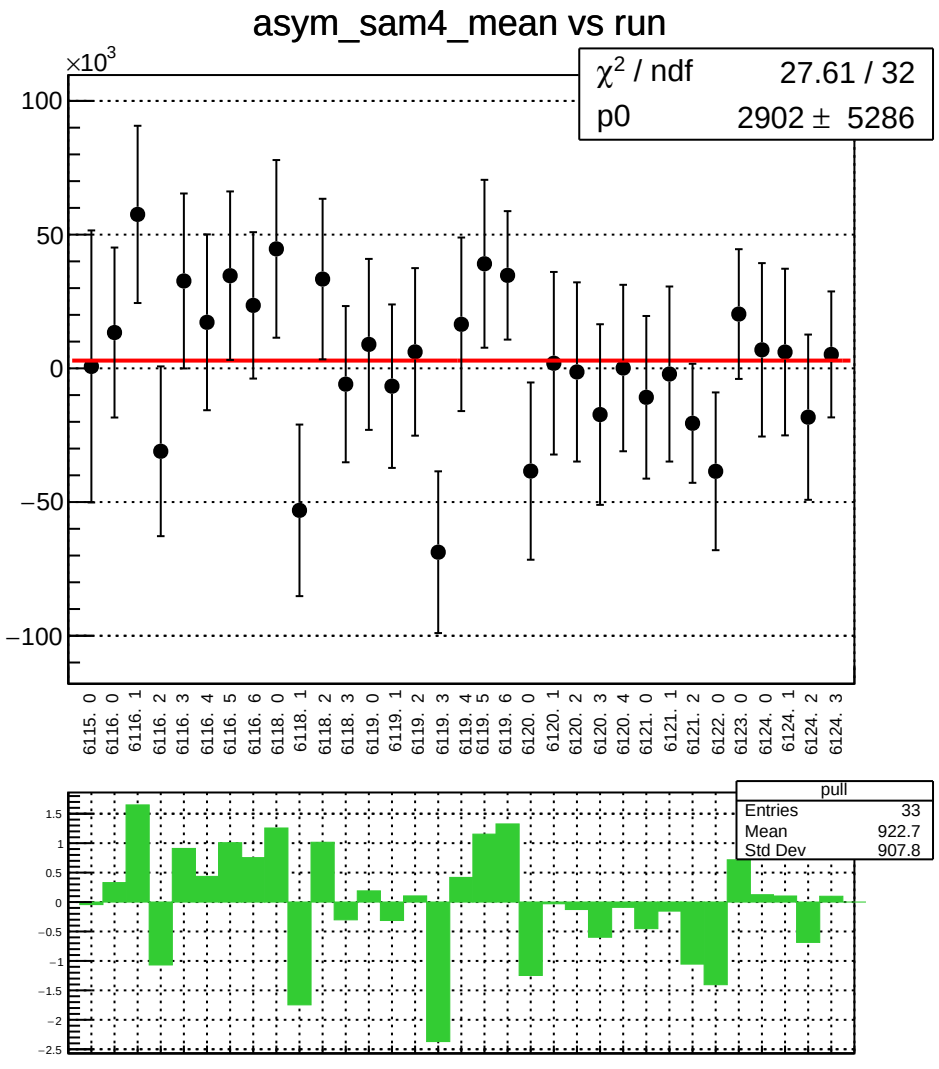

pull1D
Entries 33
Mean −0.03339
Std Dev 1.038
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

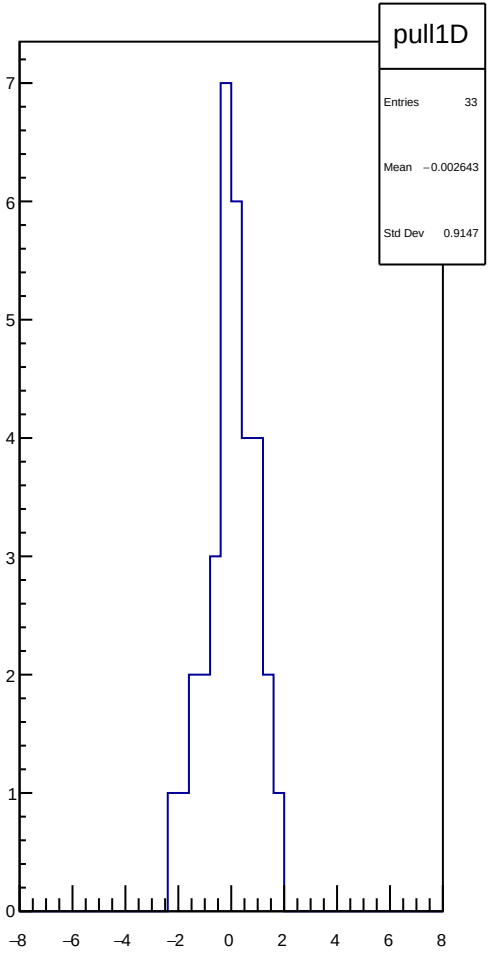

dit_asym_sam4_rms vs run
χ² / ndf 829 / 32
p0 265.1 ± 0.3282
320
310
300
290
280
270
260
250
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

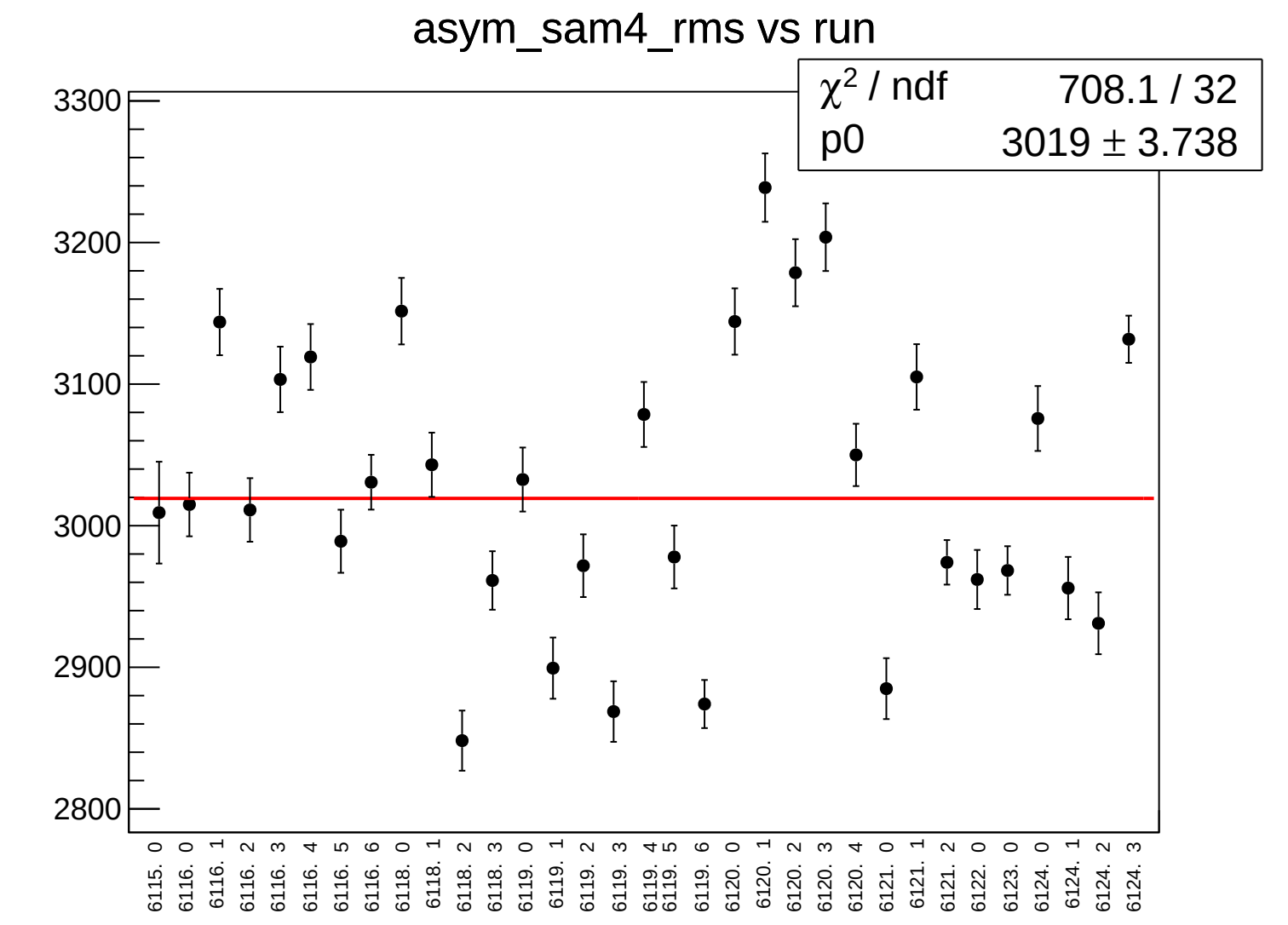

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 27.33 / 32
p0 −3446 ± 5290
100
50
0
−50
−100
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −947
Std Dev 961.5
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

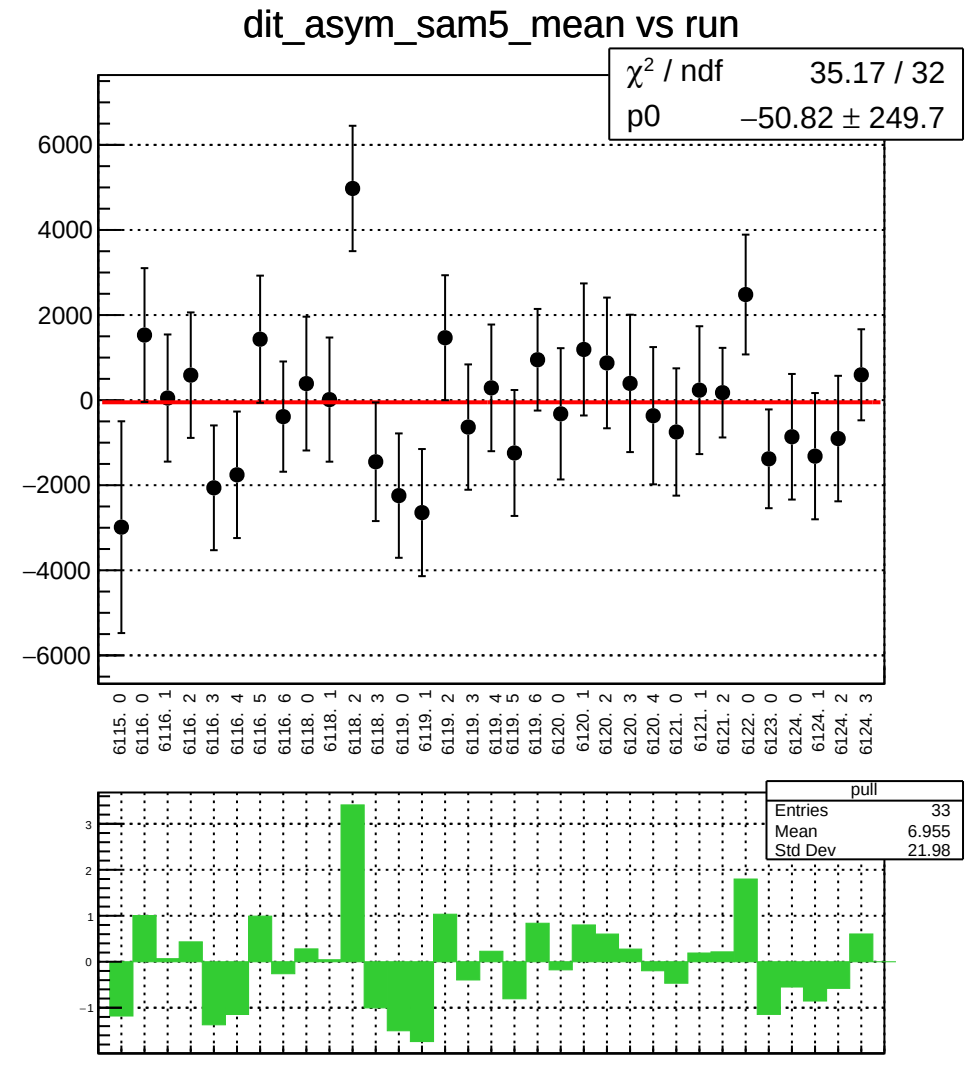

pull1D
Entries 33
Mean −0.002499
Std Dev 0.9101
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

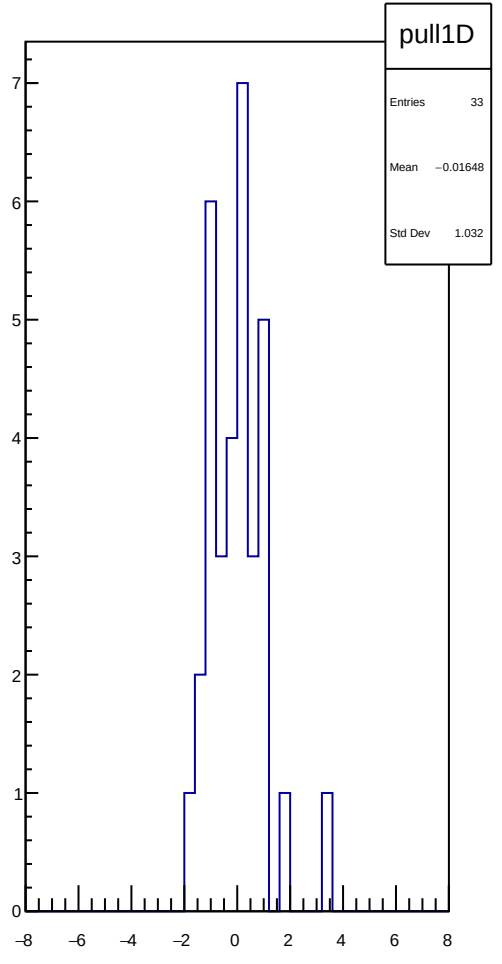

asym_sam4_correction_rms vs run
χ² / ndf 621.7 / 32
p0 3021 ± 3.74
3250
3200
3150
3100
3050
3000
2950
2900
2850
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

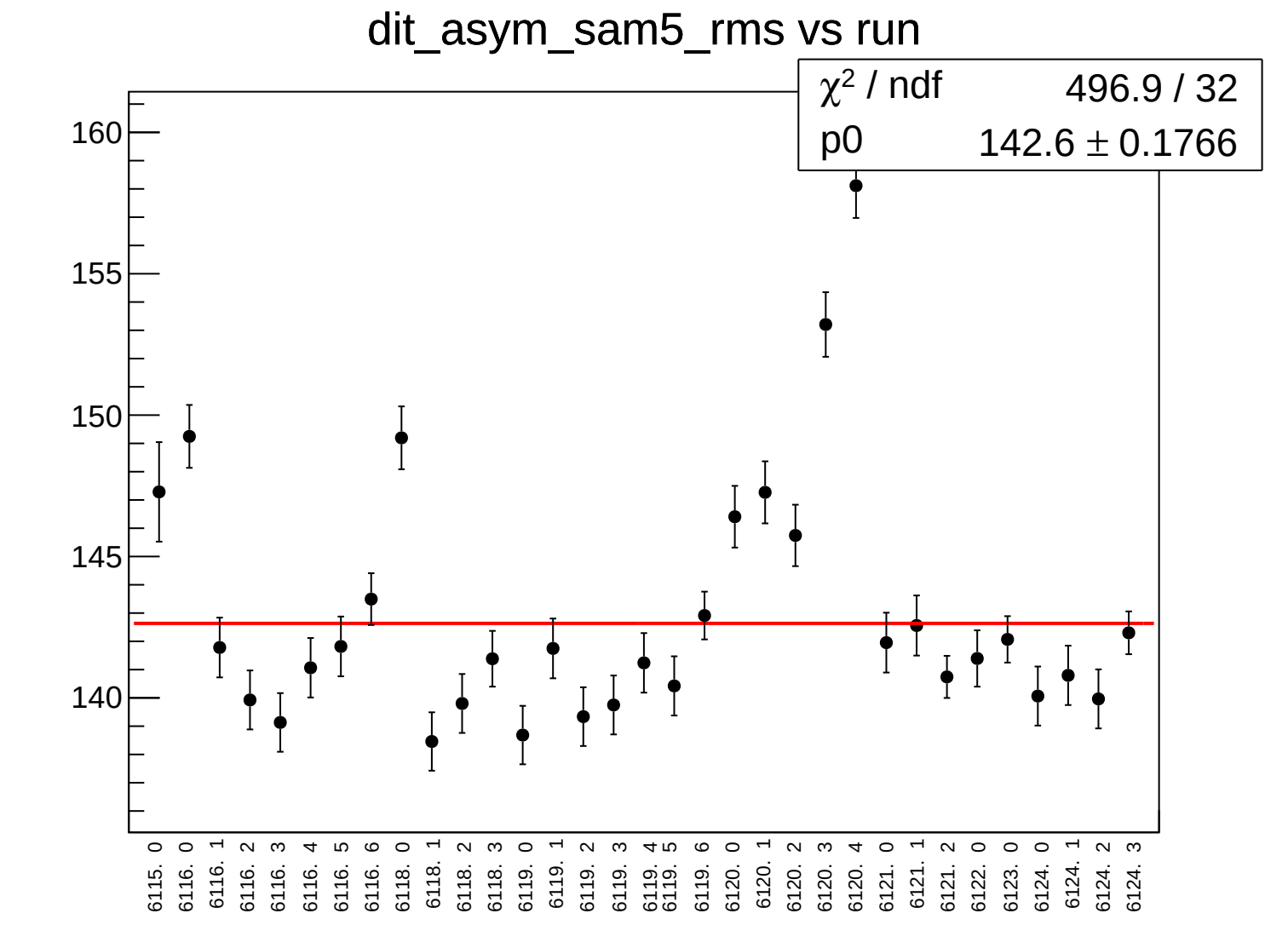

asym_sam4_mean vs run
×10^3
χ² / ndf 27.61 / 32
p0 2902 ± 5286
100
50
0
−50
−100
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 922.7
Std Dev 907.8
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

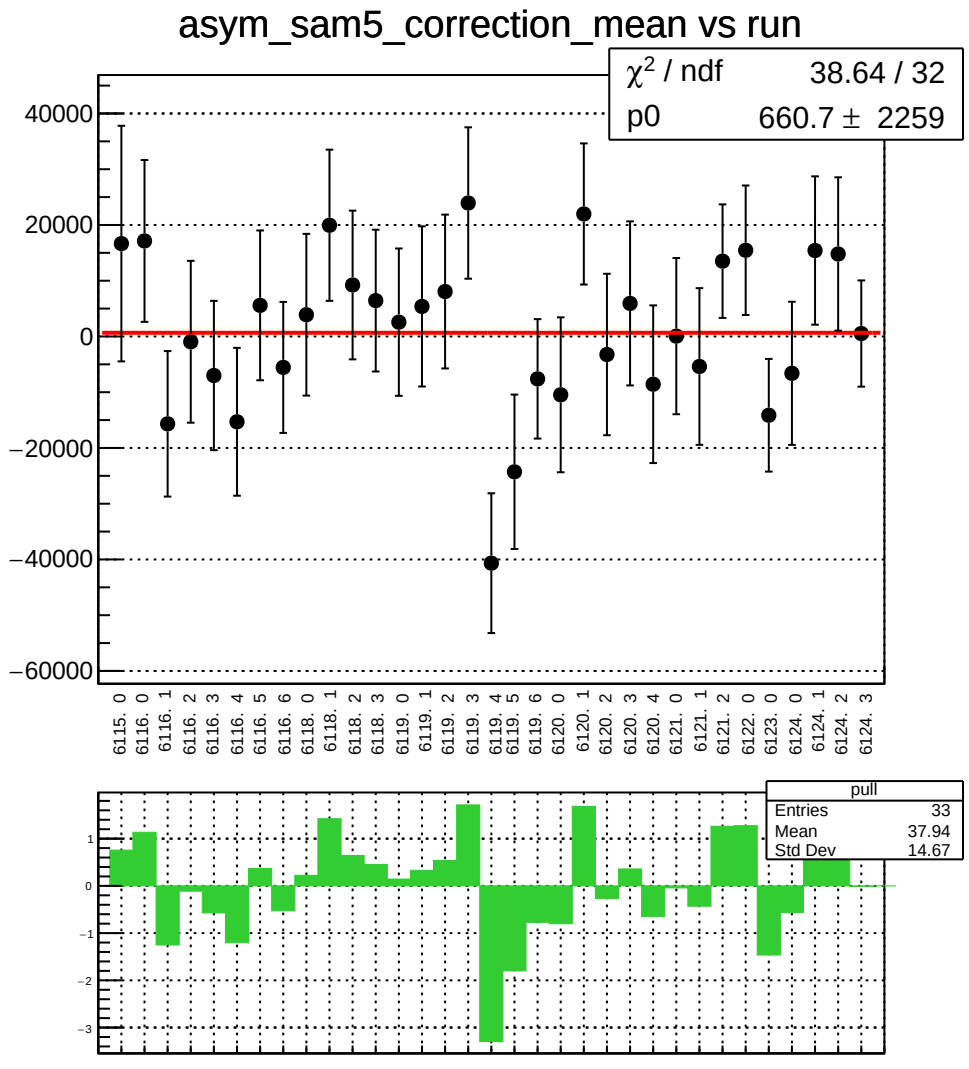

pull1D
Entries 33
Mean −0.002643
Std Dev 0.9147
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

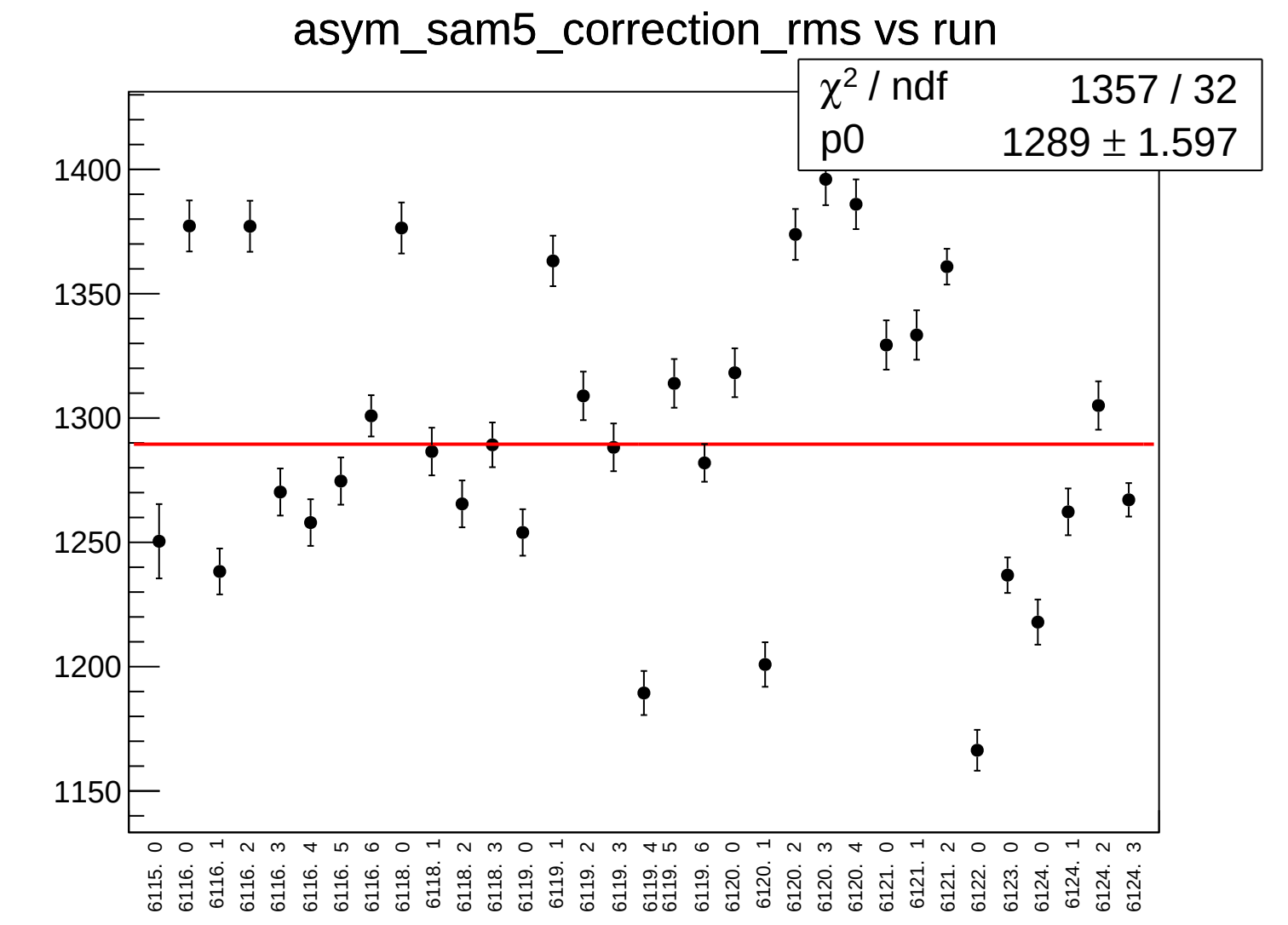

asym_sam4_rms vs run
χ² / ndf 708.1 / 32
p0 3019 ± 3.738
3300
3200
3100
3000
2900
2800
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

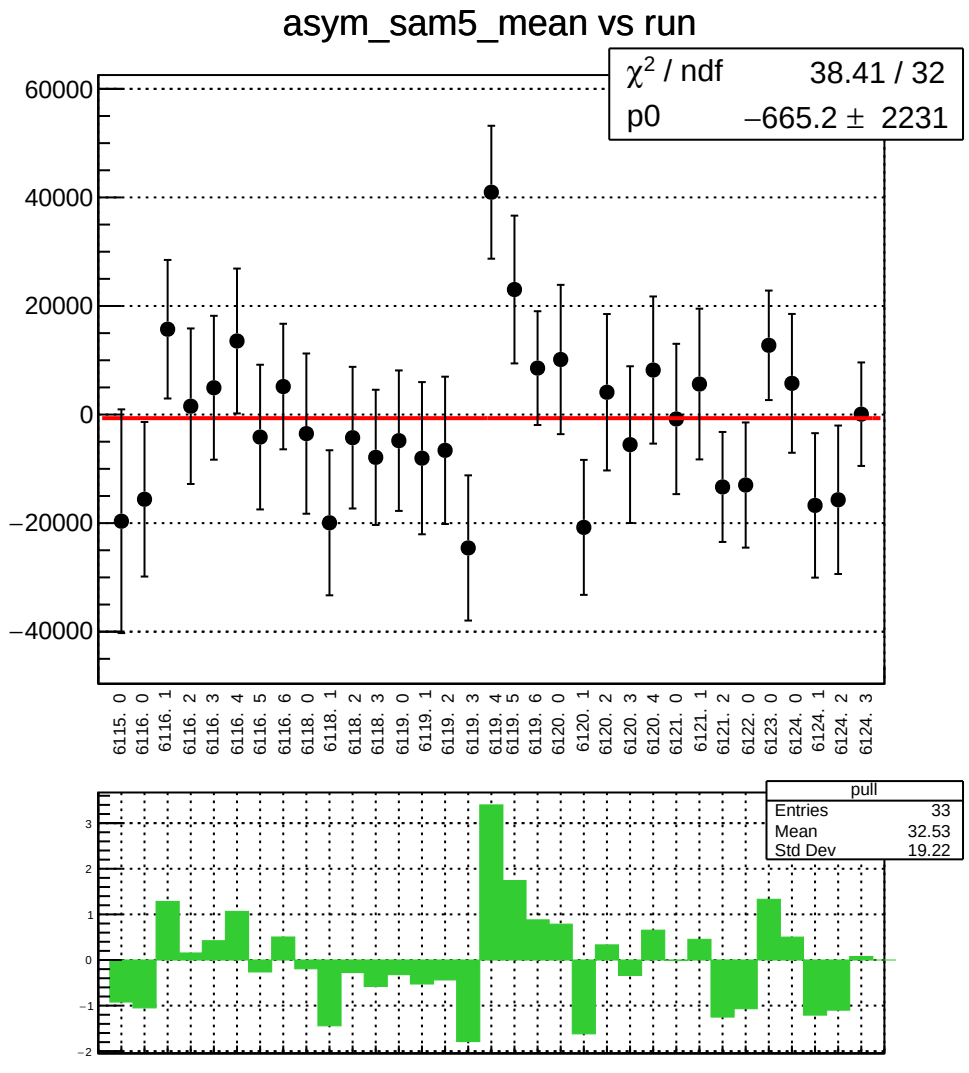

dit_asym_sam5_mean vs run
χ² / ndf 35.17 / 32
p0 −50.82 ± 249.7
6000
4000
2000
0
−2000
−4000
−6000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 6.955
Std Dev 21.98
3
2
1
0
−1

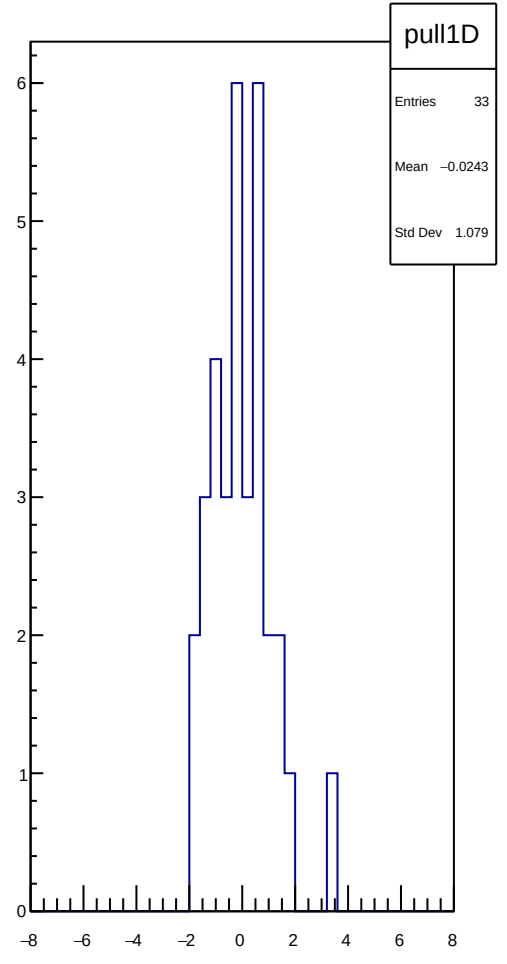

pull1D
Entries 33
Mean −0.01648
Std Dev 1.032
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

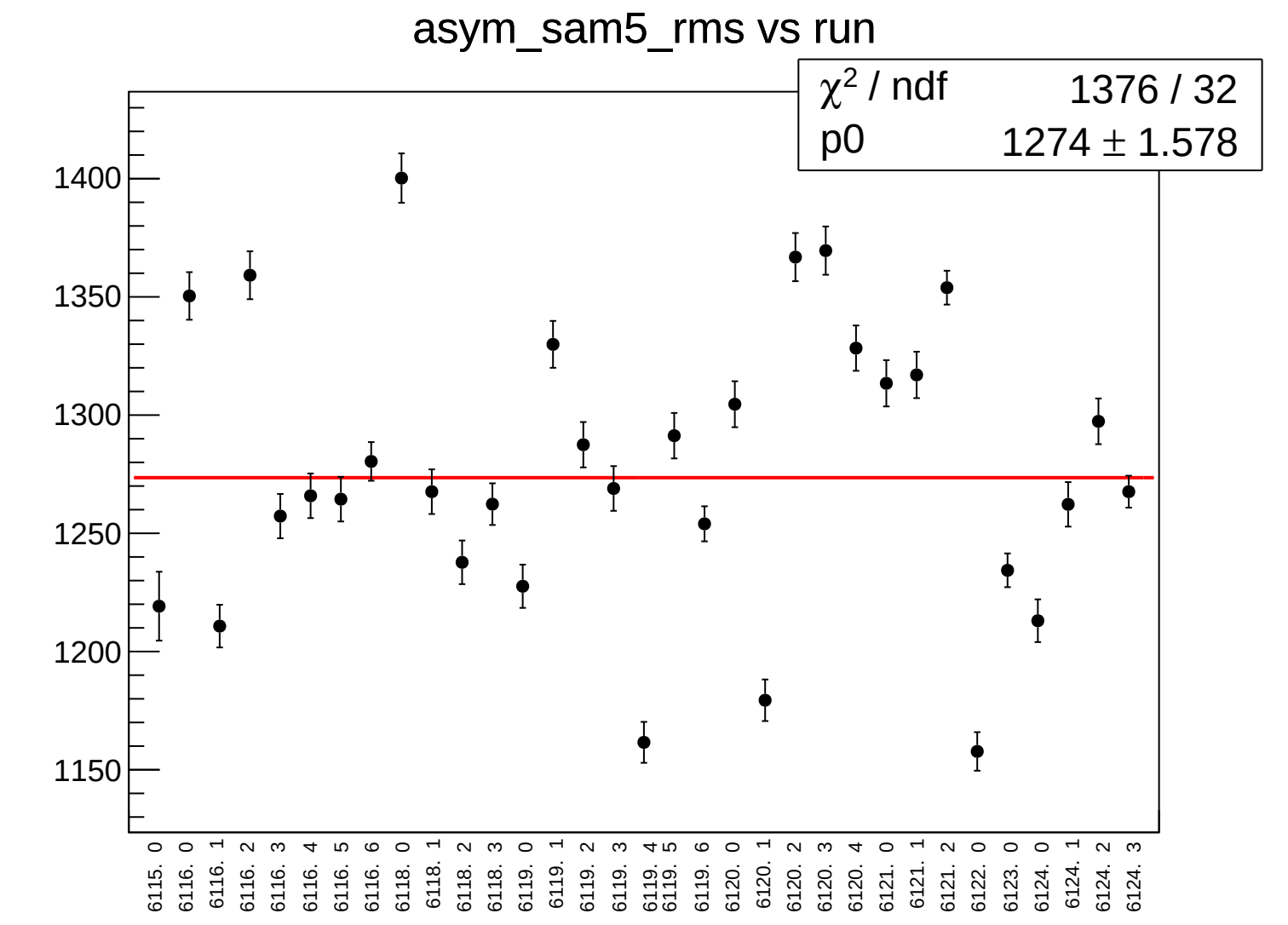

dit_asym_sam5_rms vs run
χ² / ndf 496.9 / 32
p0 142.6 ± 0.1766
160
155
150
145
140
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

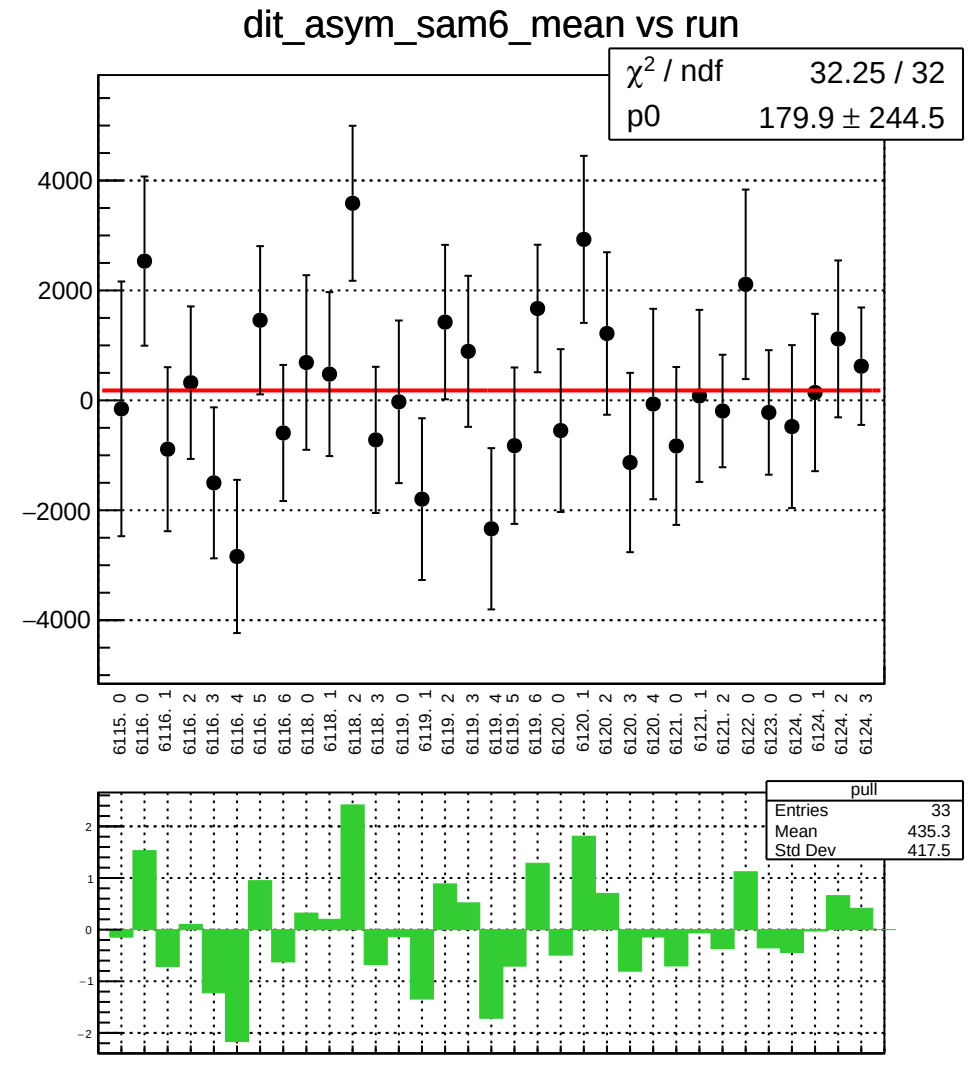

asym_sam5_correction_mean vs run
χ² / ndf 38.64 / 32
p0 660.7 ± 2259
40000
20000
0
−20000
−40000
−60000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 37.94
Std Dev 14.67
1
0
−1
−2
−3
pull1D
Entries 33
Mean 0.02014
Std Dev 1.082
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

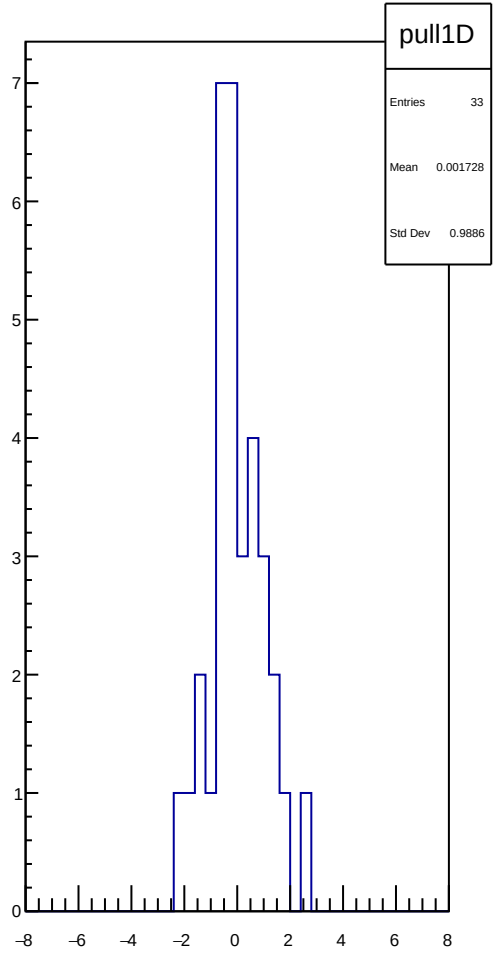

asym_sam5_correction_rms vs run
χ² / ndf 1357 / 32
p0 1289 ± 1.597
1400
1350
1300
1250
1200
1150
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

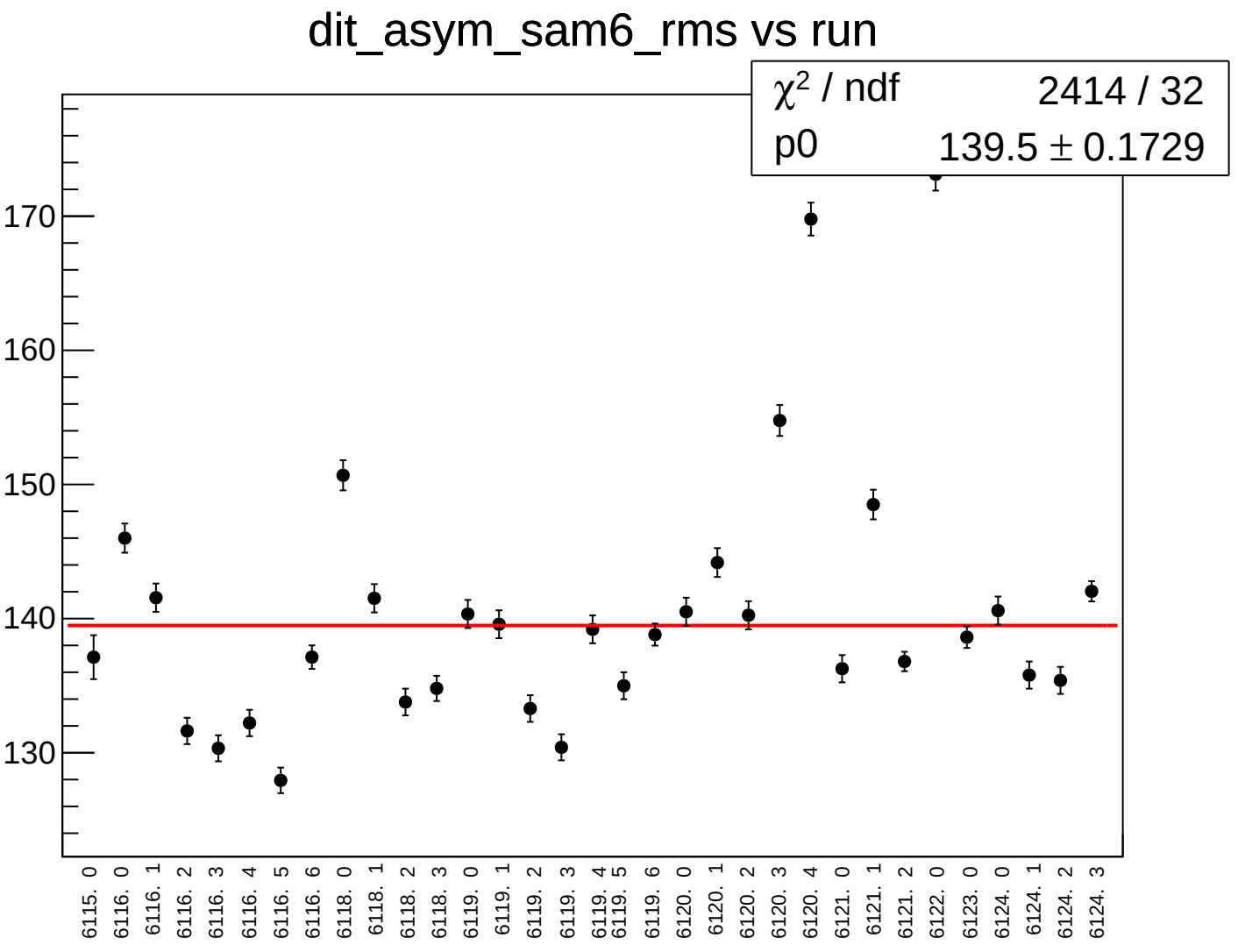

asym_sam5_mean vs run
χ² / ndf 38.41 / 32
p0 −665.2 ± 2231
60000
40000
20000
0
−20000
−40000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 32.53
Std Dev 19.22
3
2
1
0
−1
−2

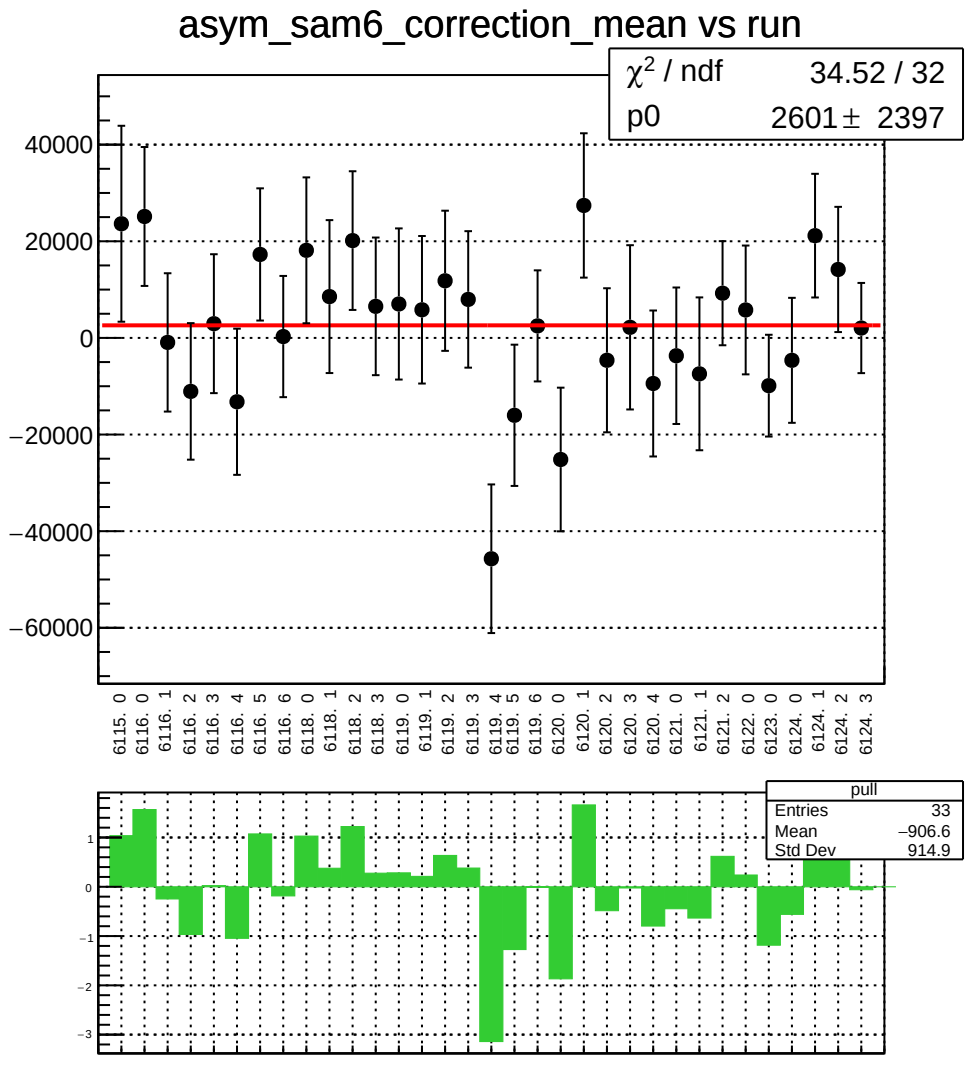

pull1D
Entries 33
Mean −0.0243
Std Dev 1.079
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

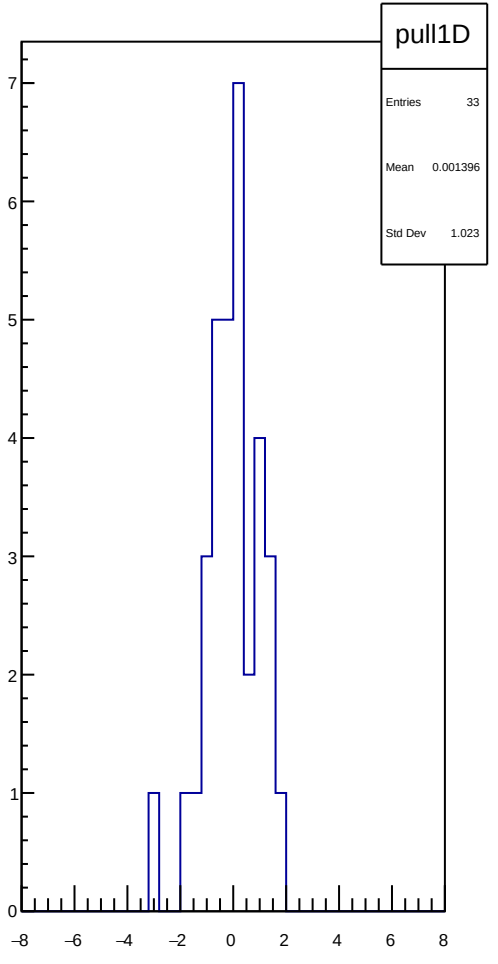

asym_sam5_rms vs run
χ² / ndf 1376 / 32
p0 1274 ± 1.578
1400
1350
1300
1250
1200
1150
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

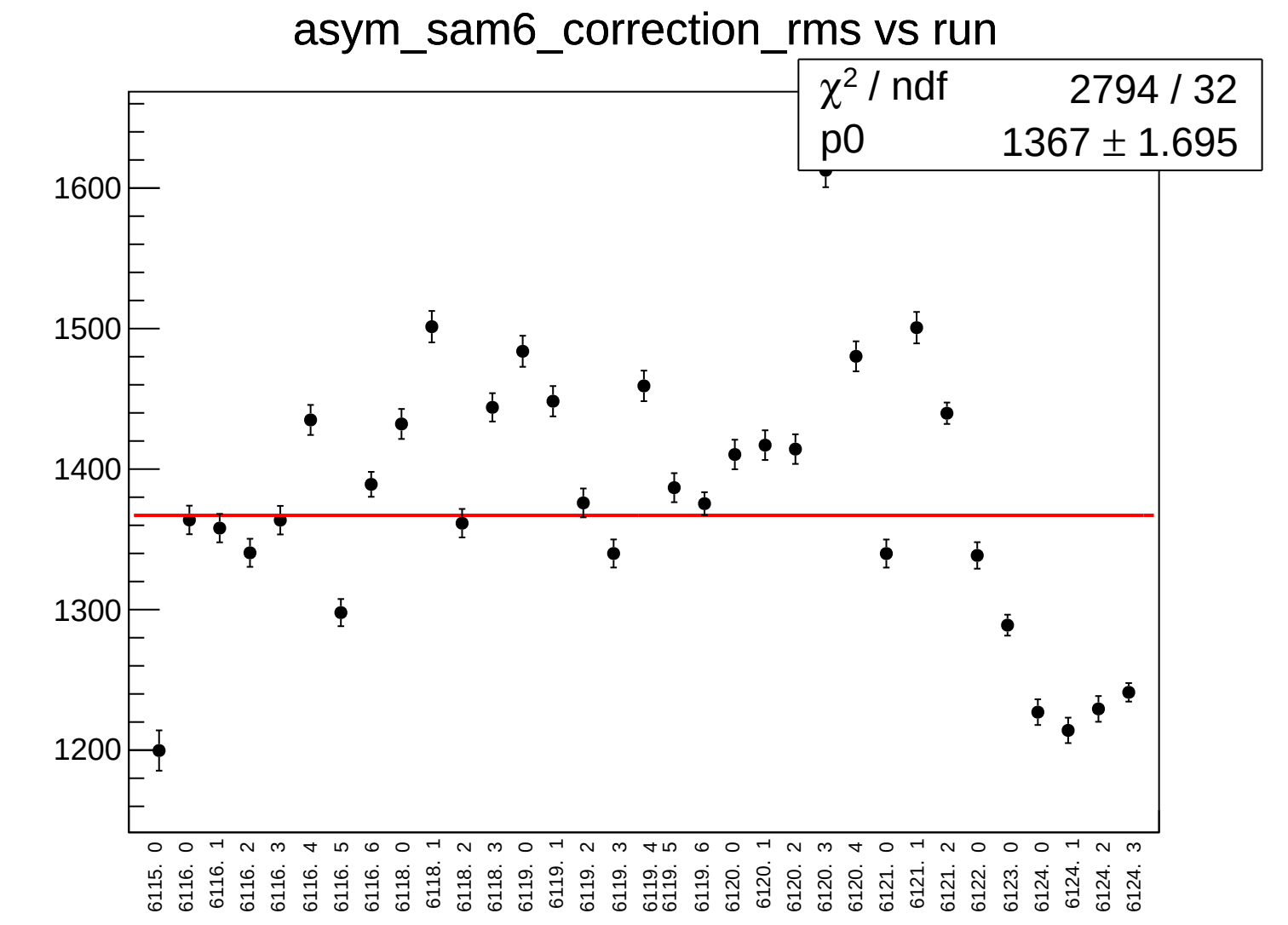

dit_asym_sam6_mean vs run
χ² / ndf 32.25 / 32
p0 179.9 ± 244.5
4000
2000
0
−2000
−4000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 435.3
Std Dev 417.5
2
1
0
−1
−2

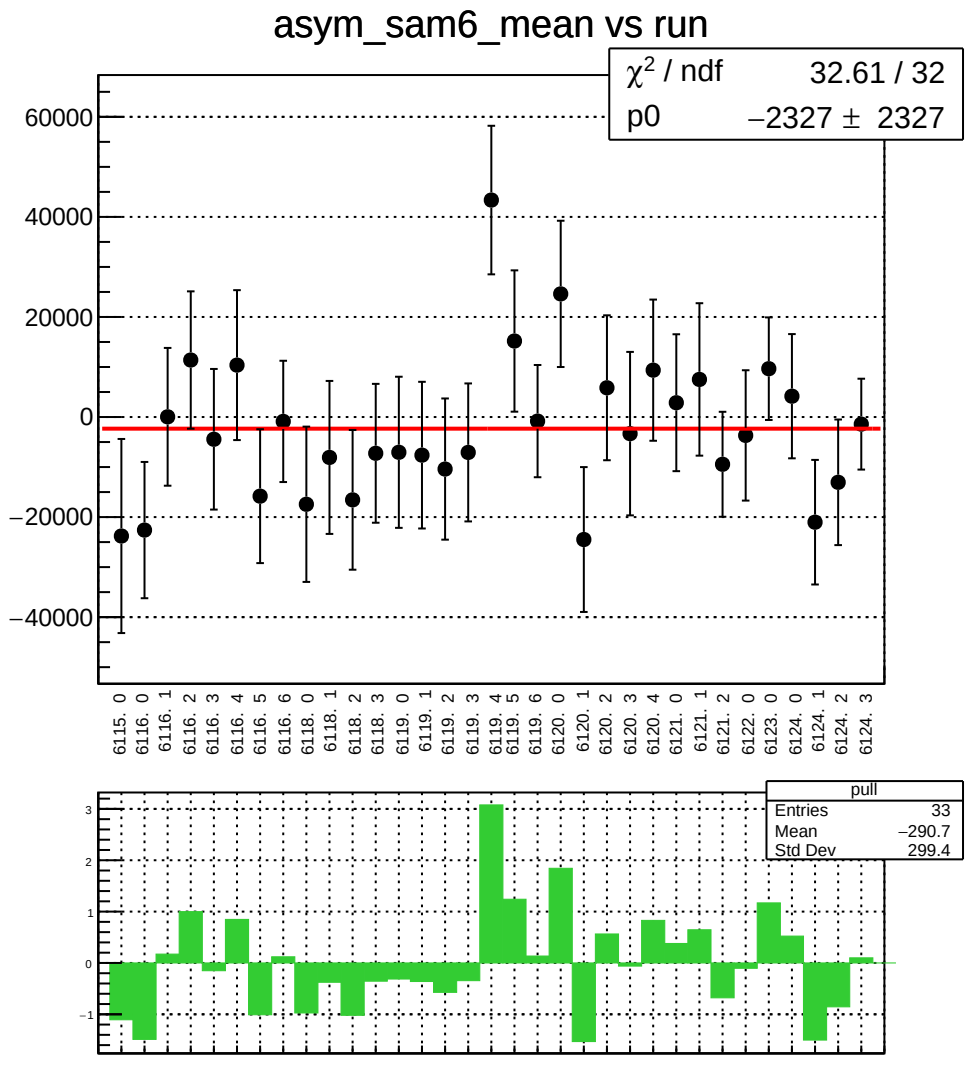

pull1D
Entries 33
Mean 0.001728
Std Dev 0.9886
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

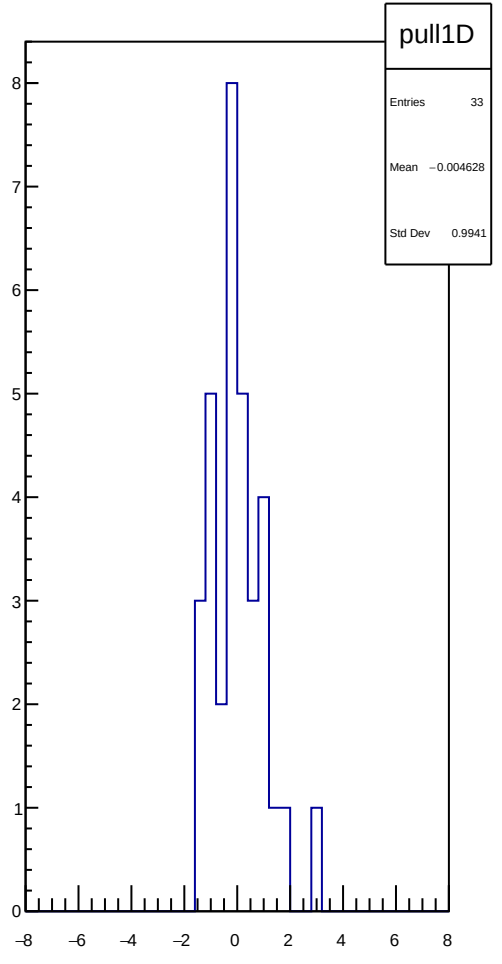

dit_asym_sam6_rms vs run
χ^2 / ndf 2414 / 32
p0 139.5 ± 0.1729
170
160
150
140
130
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

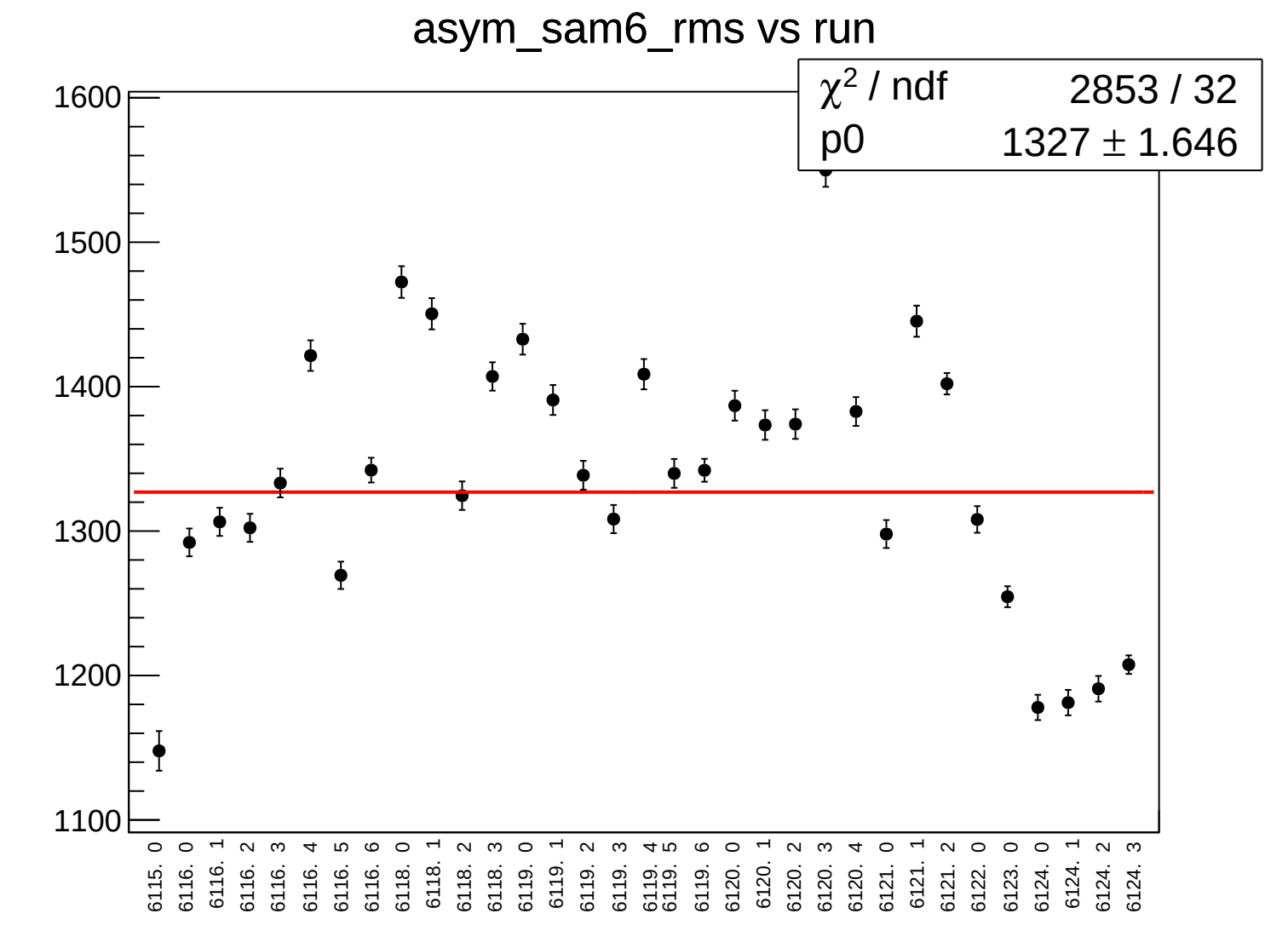

asym_sam6_correction_mean vs run
χ² / ndf 34.52 / 32
p0 2601 ± 2397
40000
20000
0
−20000
−40000
−60000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −906.6
Std Dev 914.9
1
0
−1
−2
−3

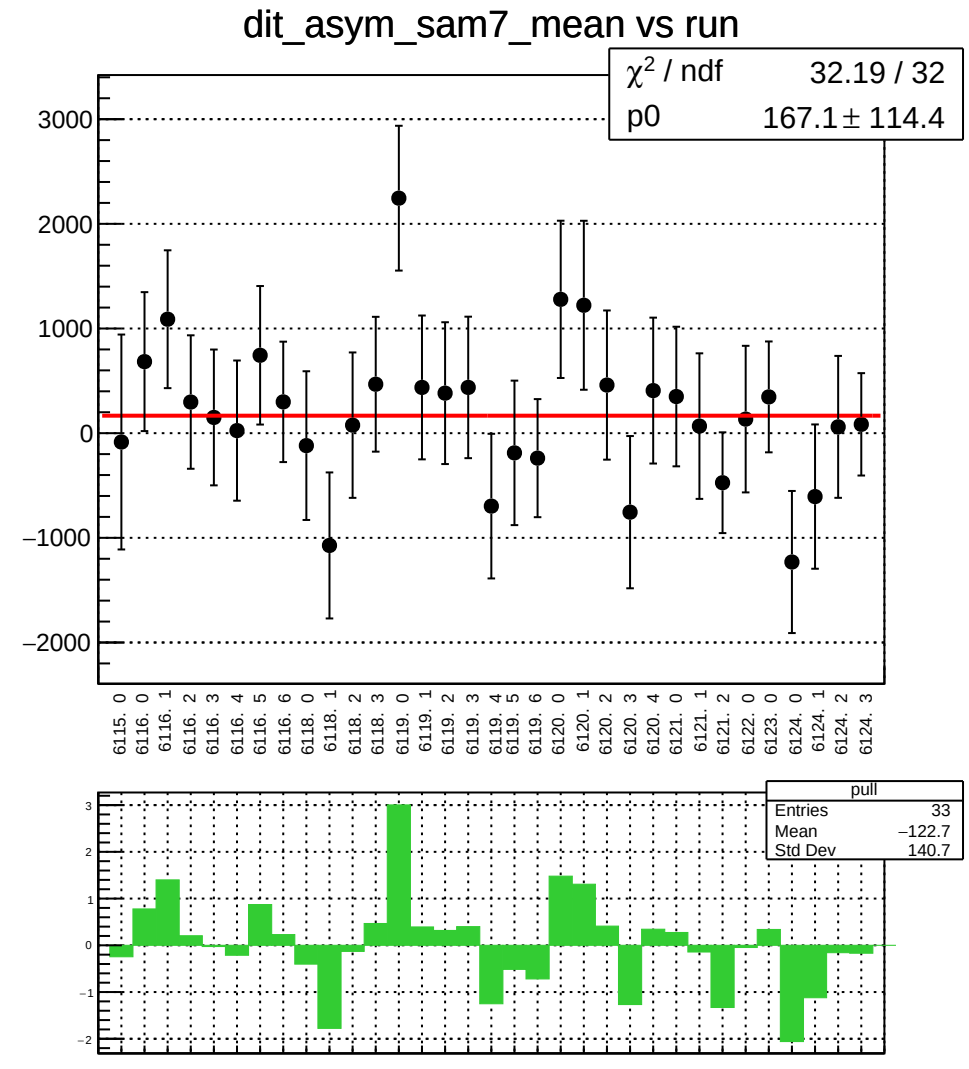

pull1D
Entries 33
Mean 0.001396
Std Dev 1.023
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

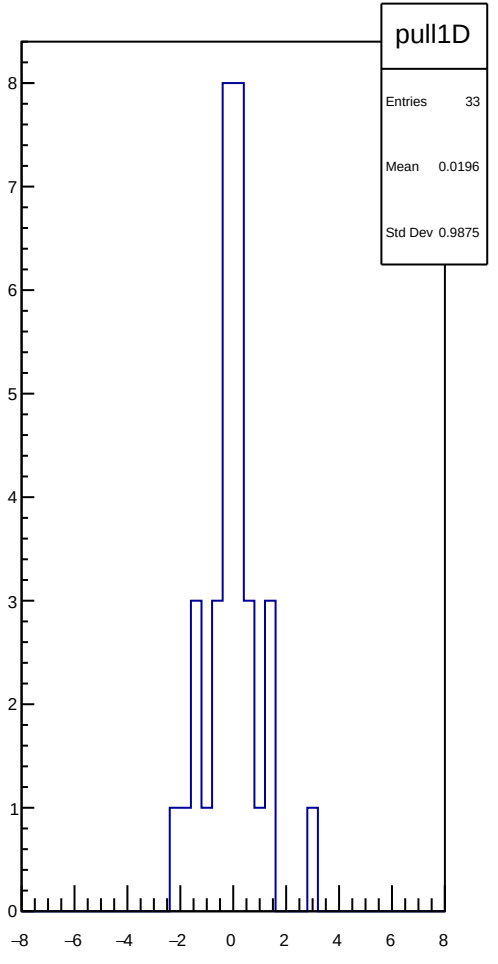

asym_sam6_correction_rms vs run
χ² / ndf 2794 / 32
p0 1367 ± 1.695
1600
1500
1400
1300
1200
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

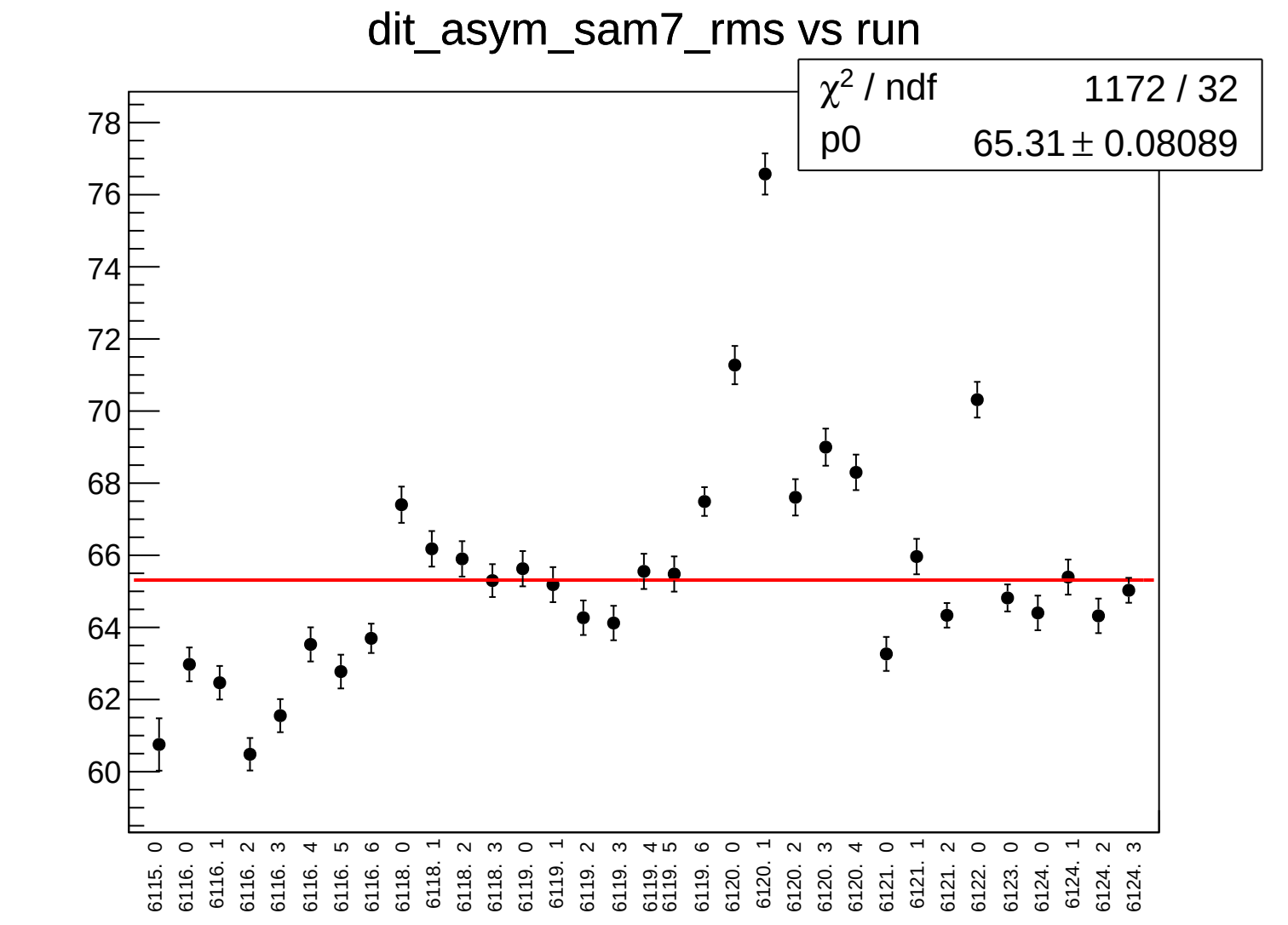

asym_sam6_mean vs run
χ² / ndf 32.61 / 32
p0 −2327 ± 2327
60000
40000
20000
0
−20000
−40000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −290.7
Std Dev 299.4
3
2
1
0
−1

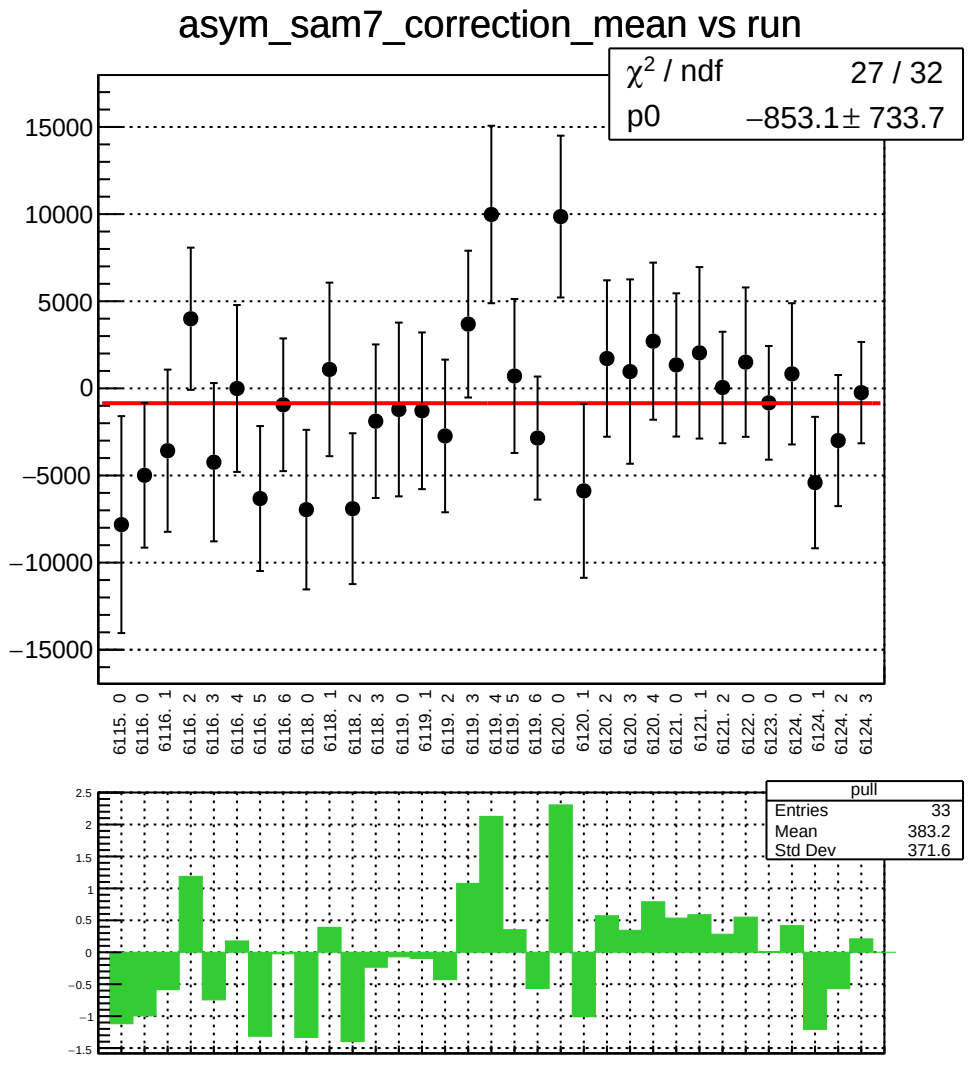

pull1D
Entries 33
Mean −0.004628
Std Dev 0.9941
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

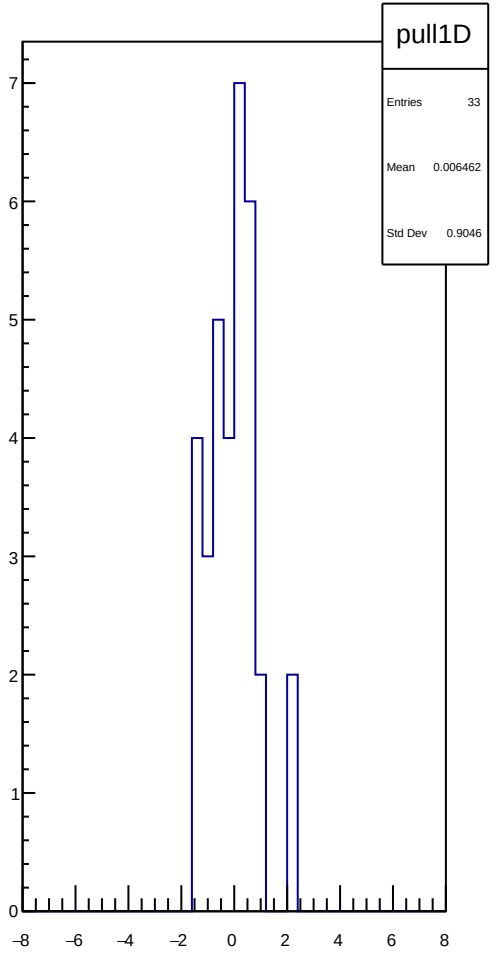

asym_sam6_rms vs run
χ² / ndf 2853 / 32
p0 1327 ± 1.646
1600
1500
1400
1300
1200
1100
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

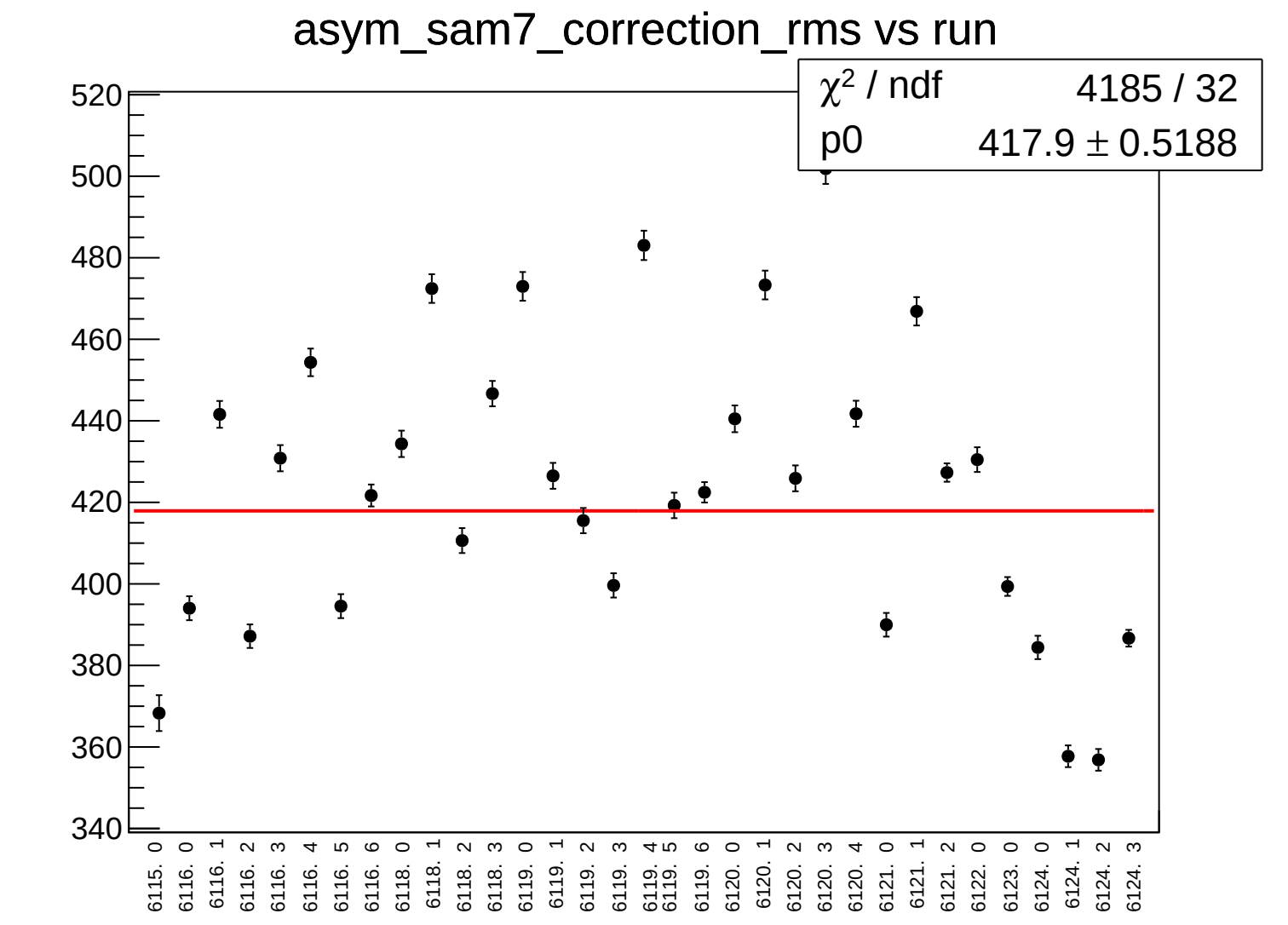

dit_asym_sam7_mean vs run
χ² / ndf 32.19 / 32
p0 167.1 ± 114.4
3000
2000
1000
0
−1000
−2000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −122.7
Std Dev 140.7
3
2
1
0
−1
−2

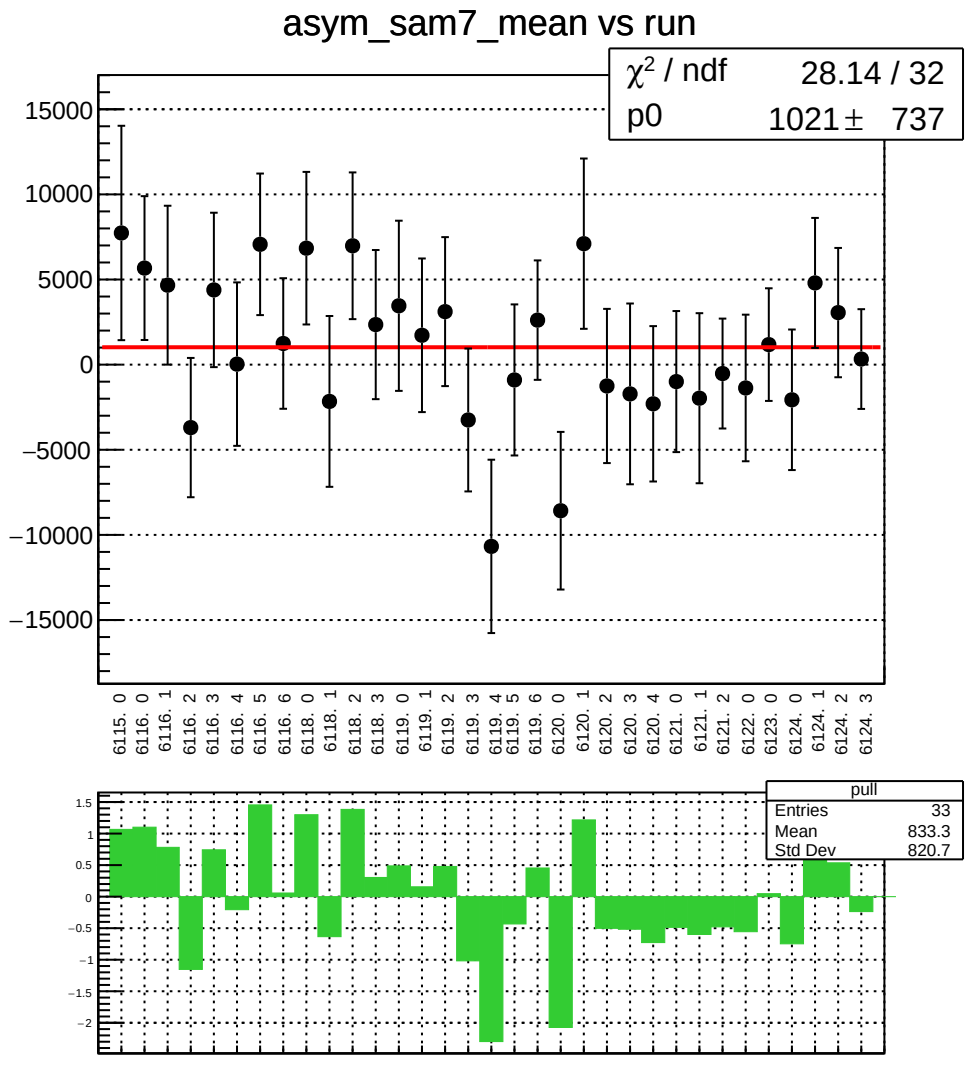

pull1D
Entries 33
Mean 0.0196
Std Dev 0.9875
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

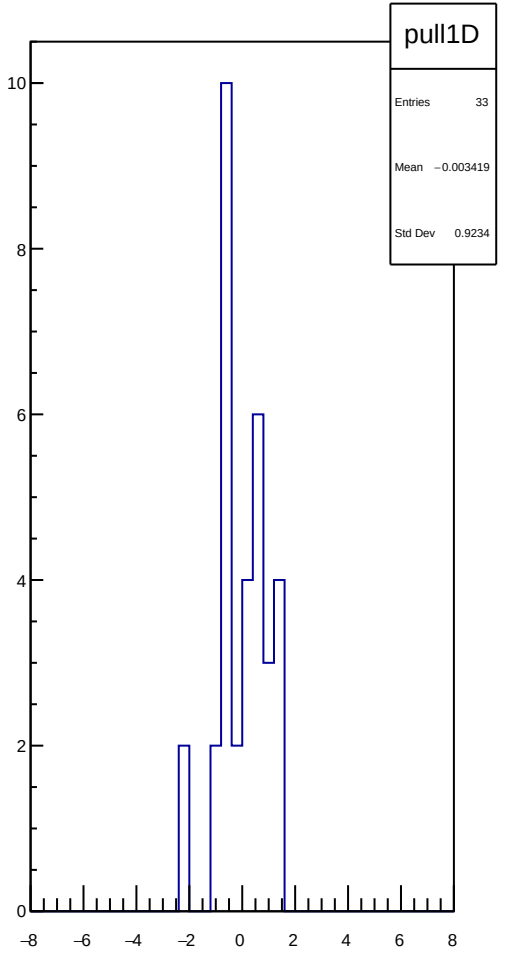

dit_asym_sam7_rms vs run
χ^2 / ndf 1172 / 32
p0 65.31 ± 0.08089
78
76
74
72
70
68
66
64
62
60
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

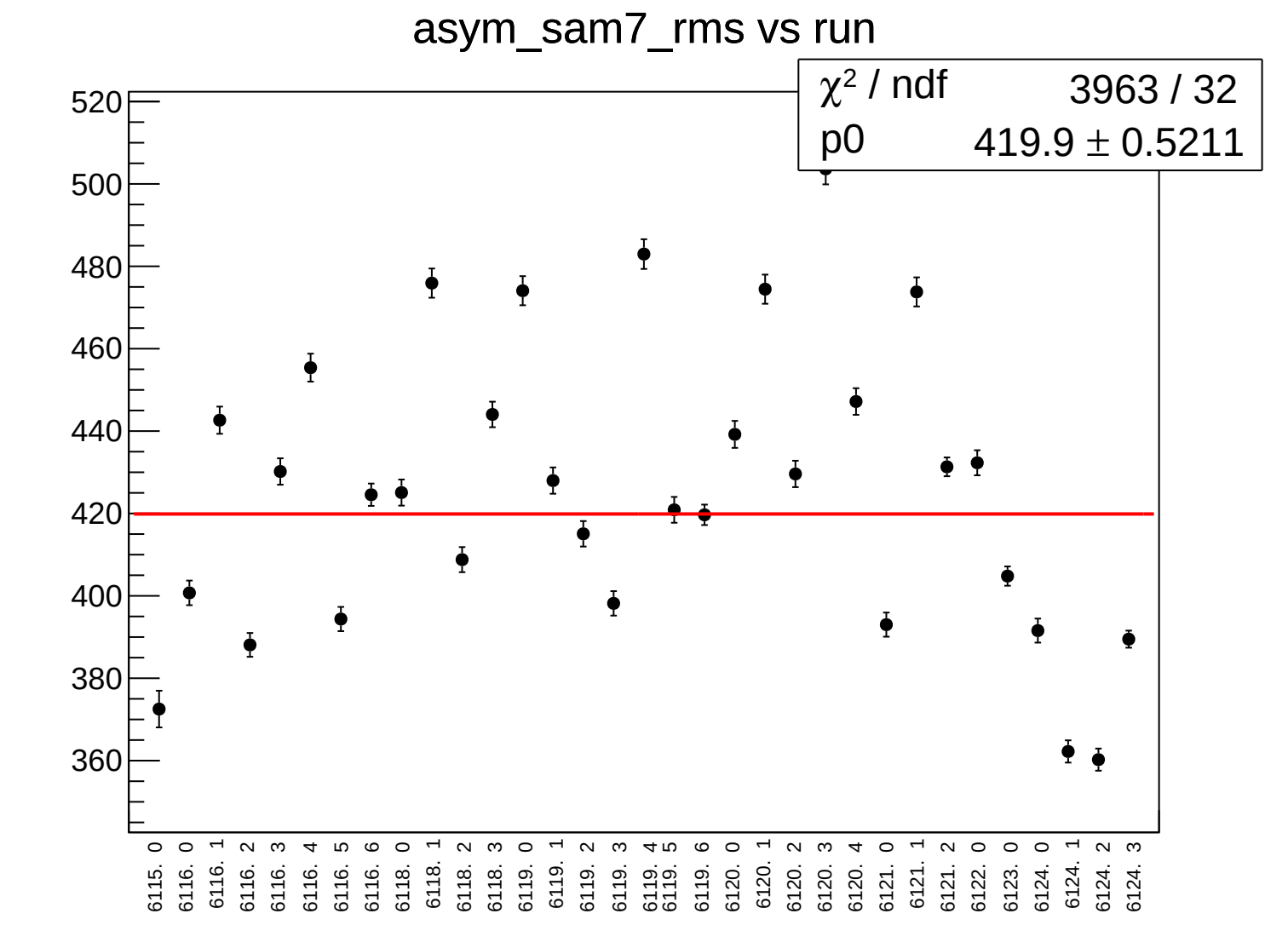

asym_sam7_correction_mean vs run
χ² / ndf 27 / 32
p0 −853.1± 733.7
15000
10000
5000
0
−5000
−10000
−15000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 383.2
Std Dev 371.6
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

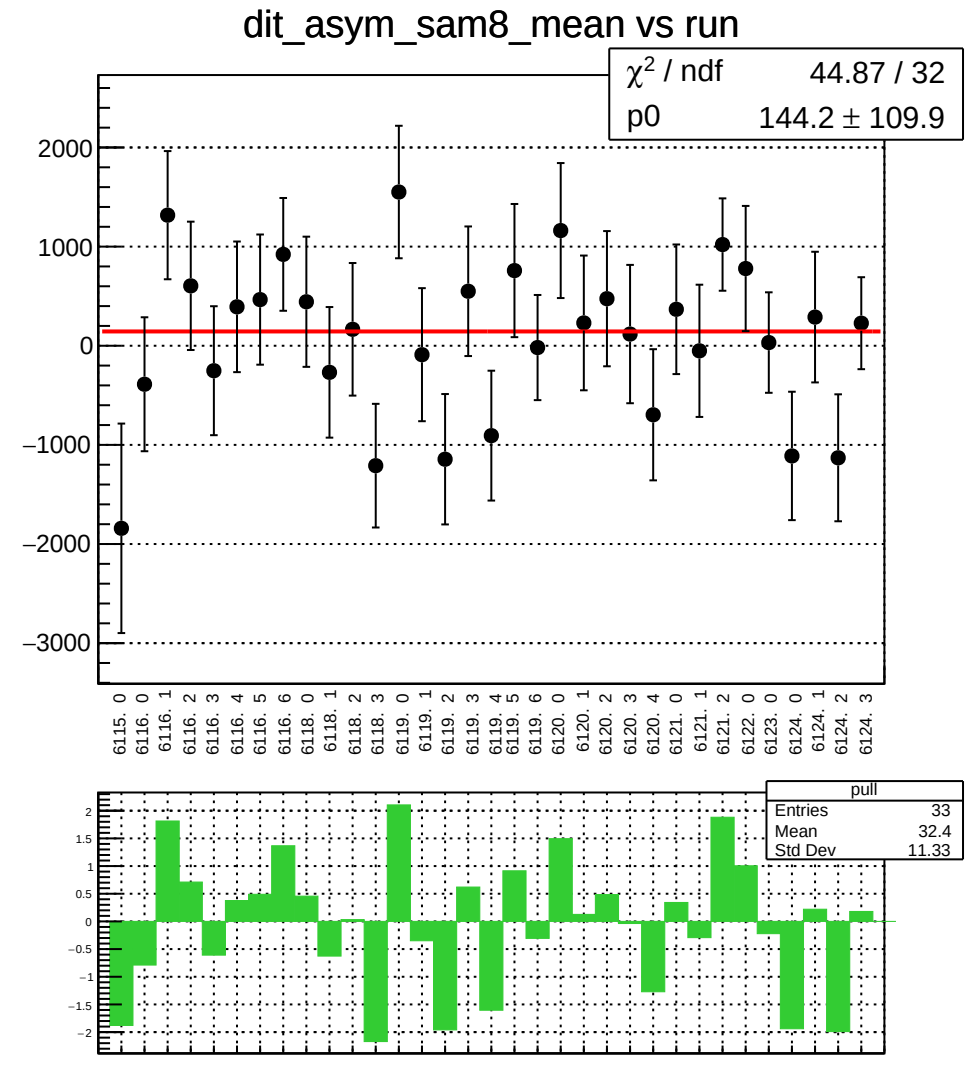

pull1D
Entries 33
Mean 0.006462
Std Dev 0.9046
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

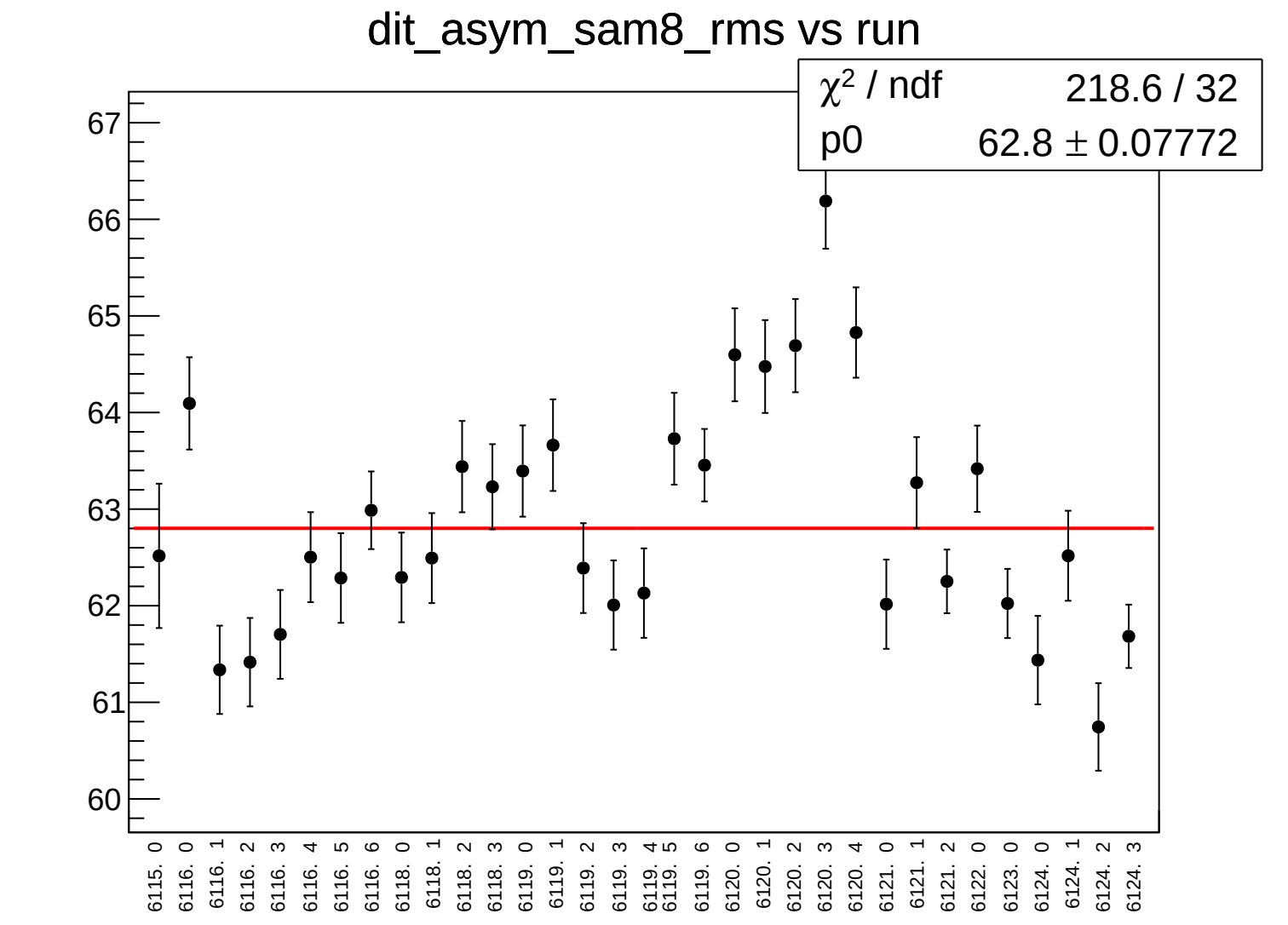

asym_sam7_correction_rms vs run
χ² / ndf 4185 / 32
p0 417.9 ± 0.5188
520
500
480
460
440
420
400
380
360
340
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

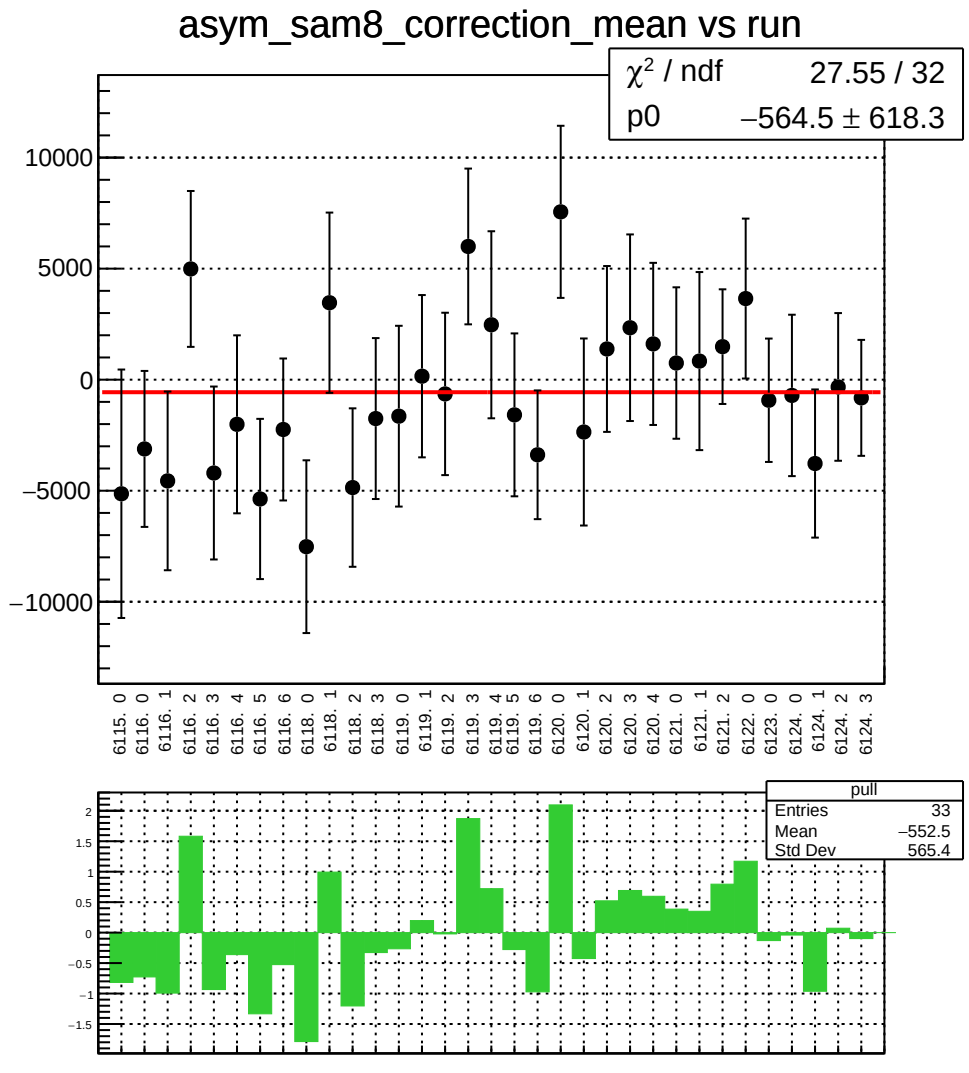

asym_sam7_mean vs run
χ² / ndf 28.14 / 32
p0 1021 ± 737
15000
10000
5000
0
−5000
−10000
−15000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 833.3
Std Dev 820.7
1.5
1
0.5
0
−0.5
−1
−1.5
−2

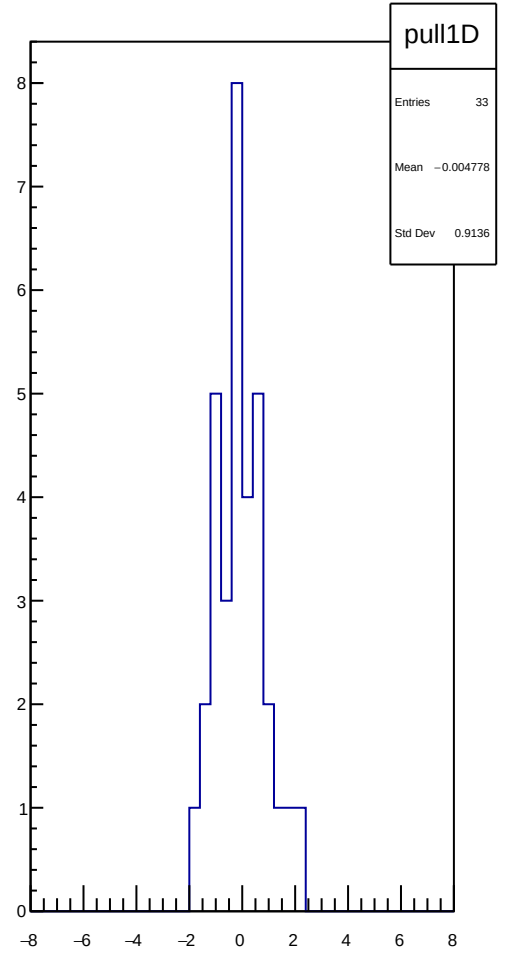

pull1D
Entries 33
Mean −0.003419
Std Dev 0.9234
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

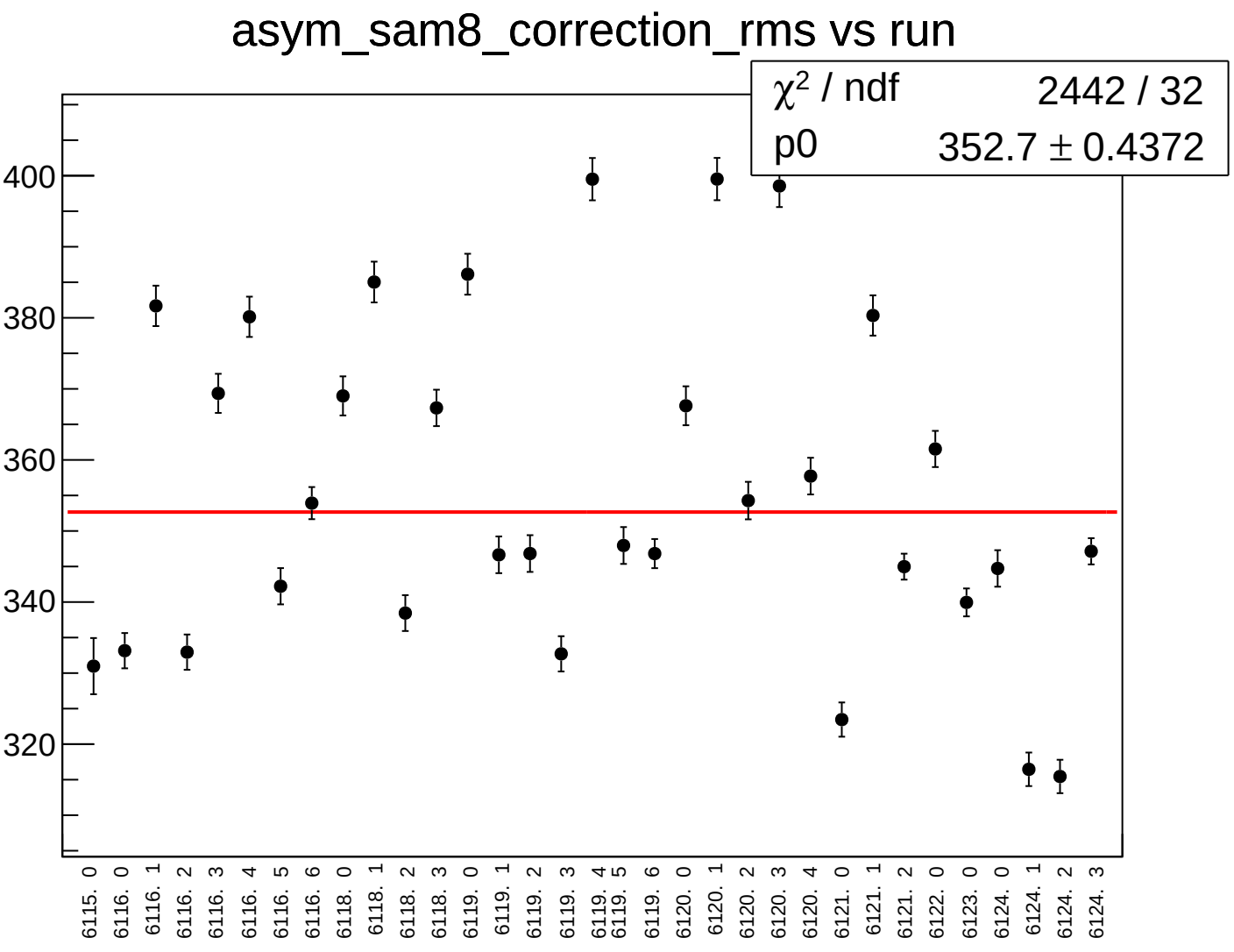

asym_sam7_rms vs run
χ² / ndf 3963 / 32
p0 419.9 ± 0.5211
520
500
480
460
440
420
400
380
360
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

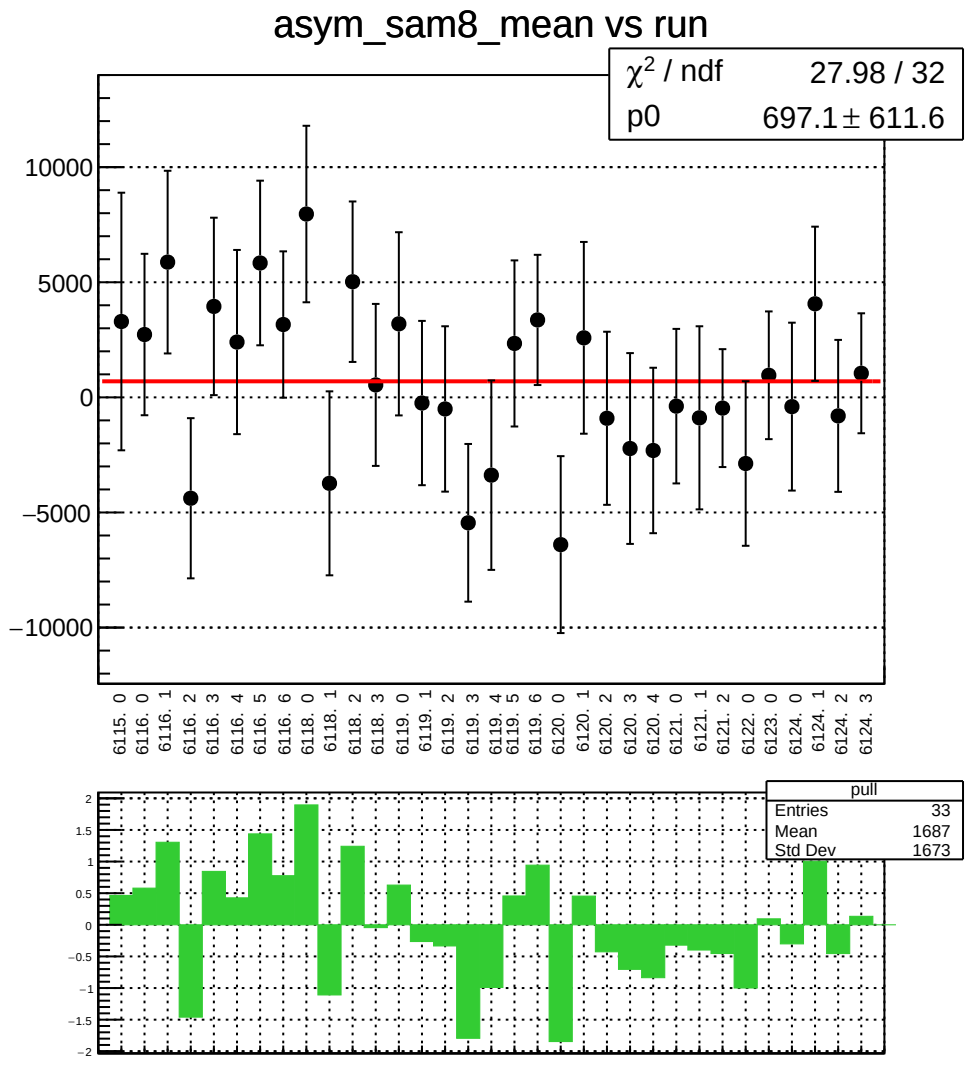

dit_asym_sam8_mean vs run
χ² / ndf 44.87 / 32
p0 144.2 ± 109.9
2000
1000
0
−1000
−2000
−3000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 32.4
Std Dev 11.33
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.04319
Std Dev 1.165
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

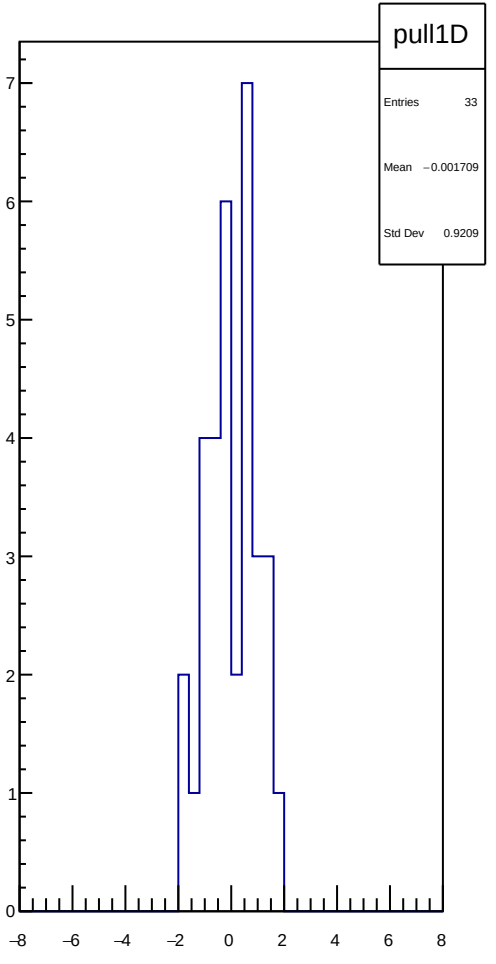

dit_asym_sam8_rms vs run
χ² / ndf 218.6 / 32
p0 62.8 ± 0.07772
67
66
65
64
63
62
61
60
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

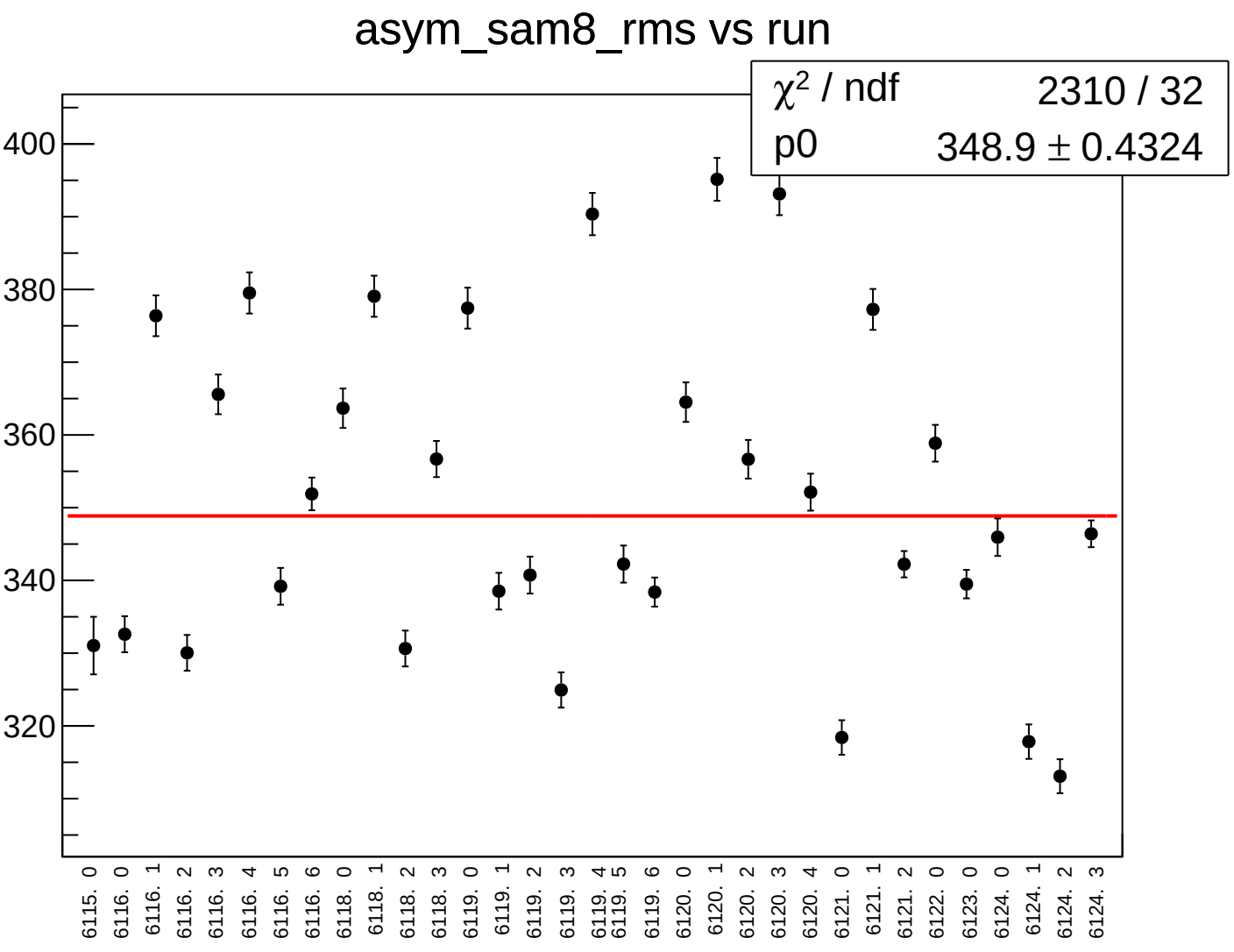

asym_sam8_correction_mean vs run
χ² / ndf 27.55 / 32
p0 −564.5 ± 618.3
10000
5000
0
−5000
−10000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −552.5
Std Dev 565.4
2
1.5
1
0.5
0
−0.5
−1
−1.5

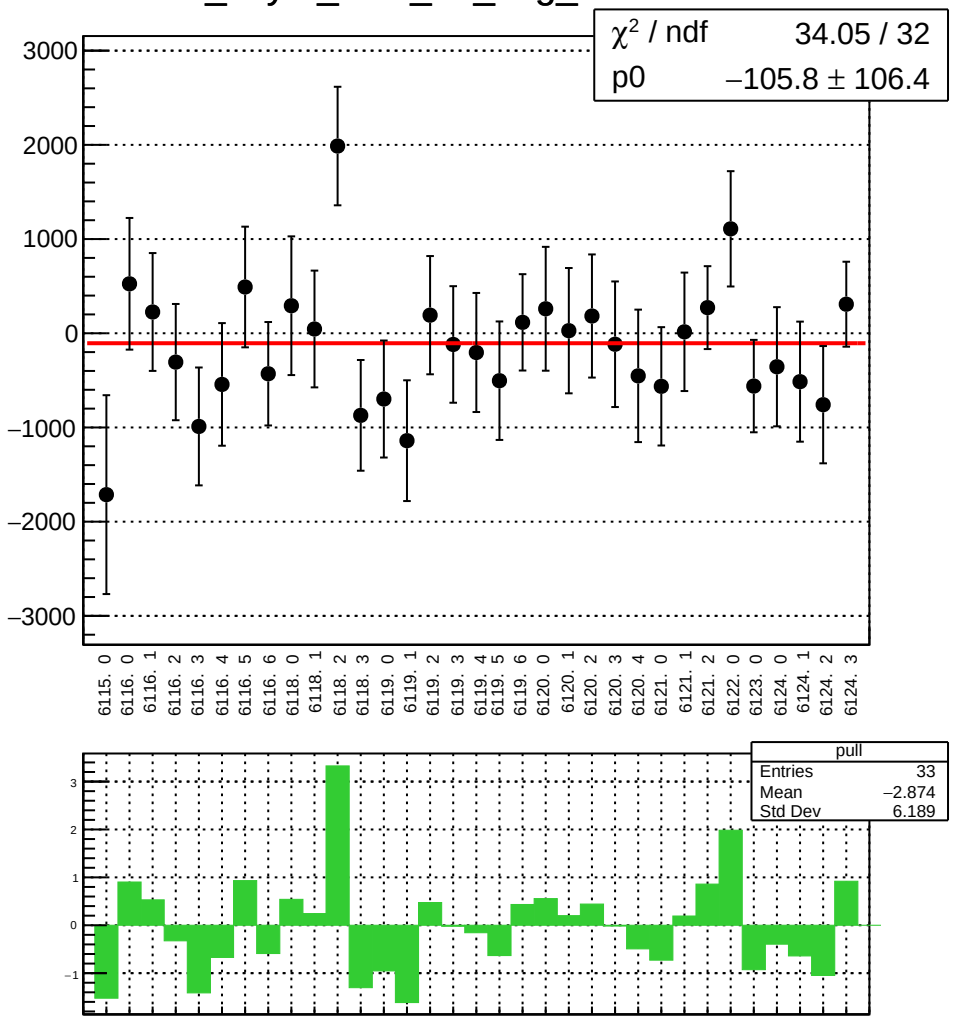

pull1D
Entries 33
Mean −0.004778
Std Dev 0.9136
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

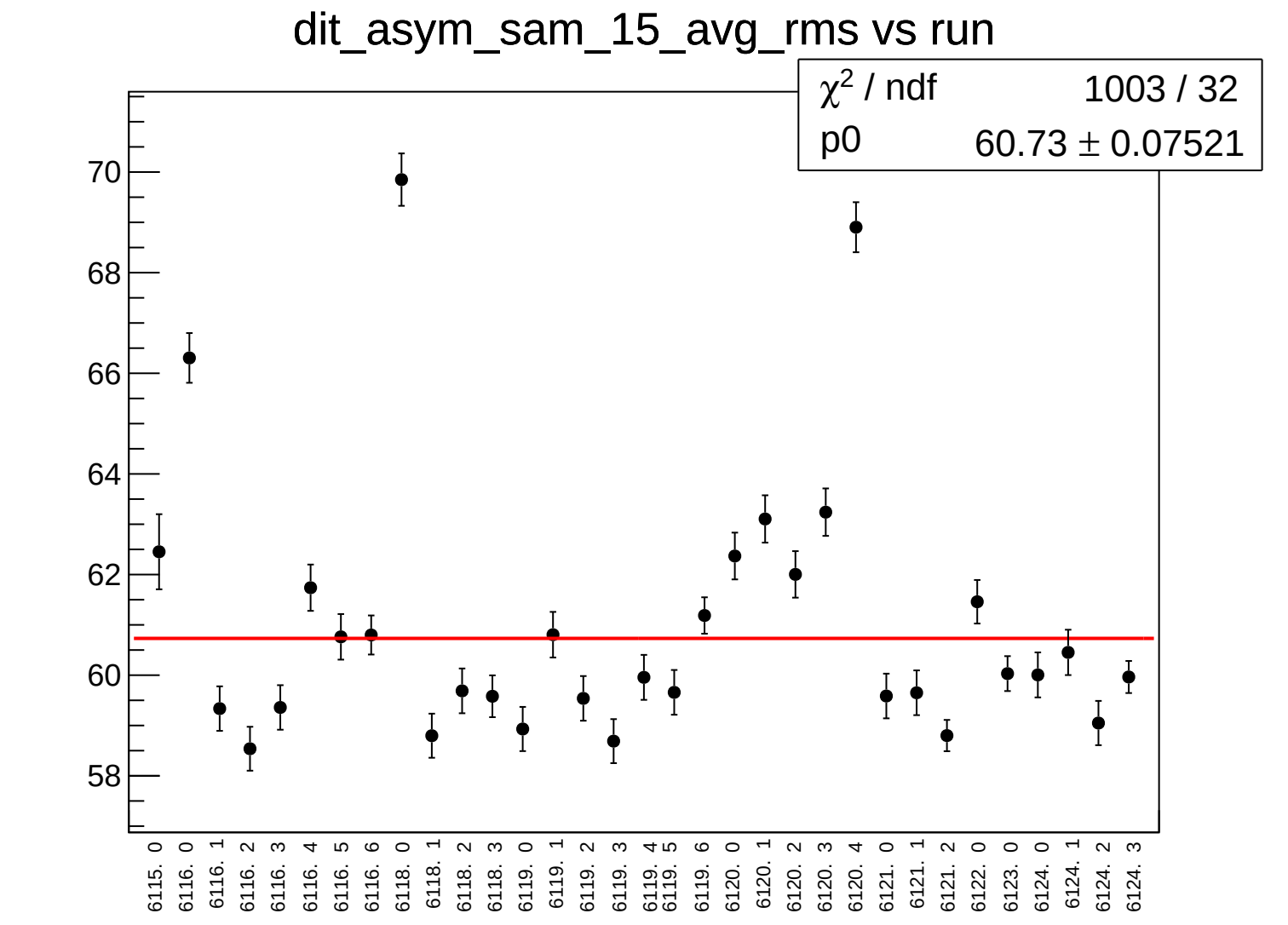

asym_sam8_correction_rms vs run
χ² / ndf 2442 / 32
p0 352.7 ± 0.4372
400
380
360
340
320
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

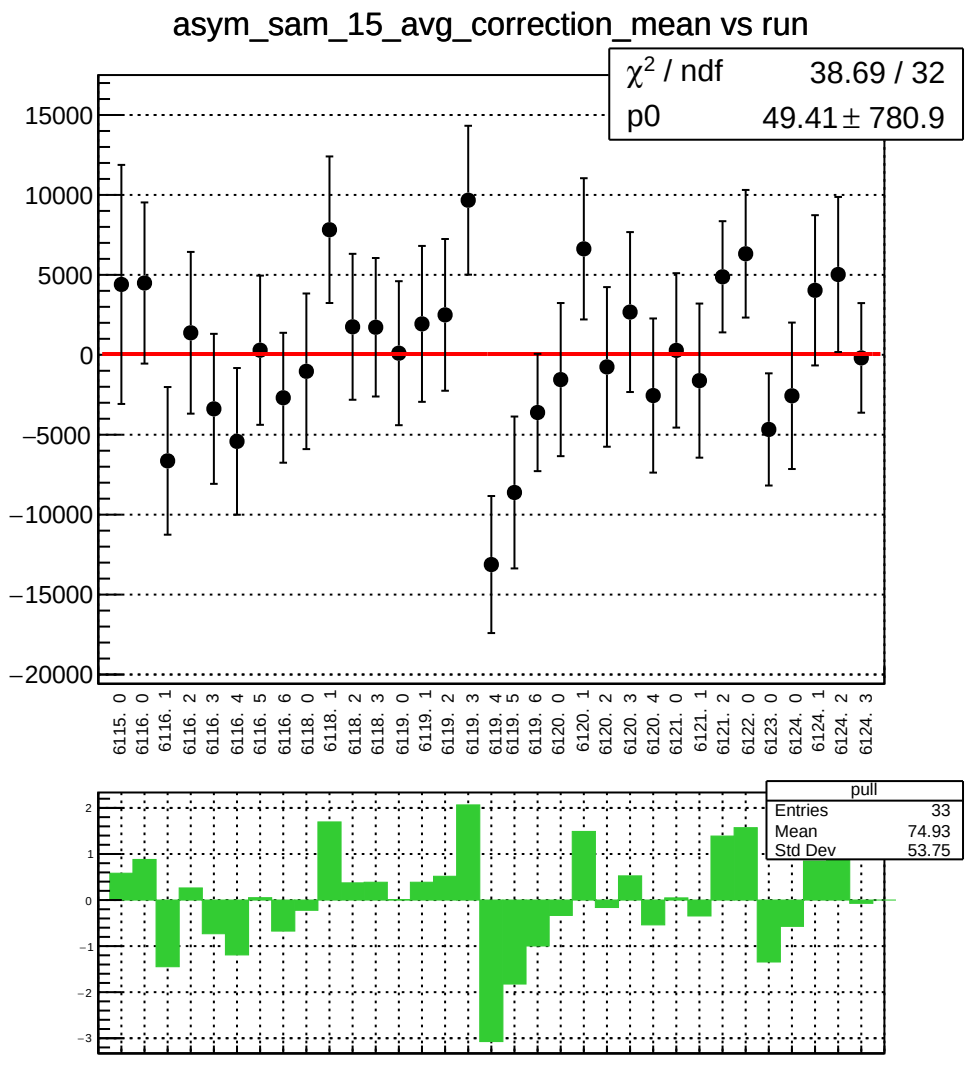

asym_sam8_mean vs run
χ² / ndf 27.98 / 32
p0 697.1 ± 611.6
10000
5000
0
−5000
−10000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 1687
Std Dev 1673
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

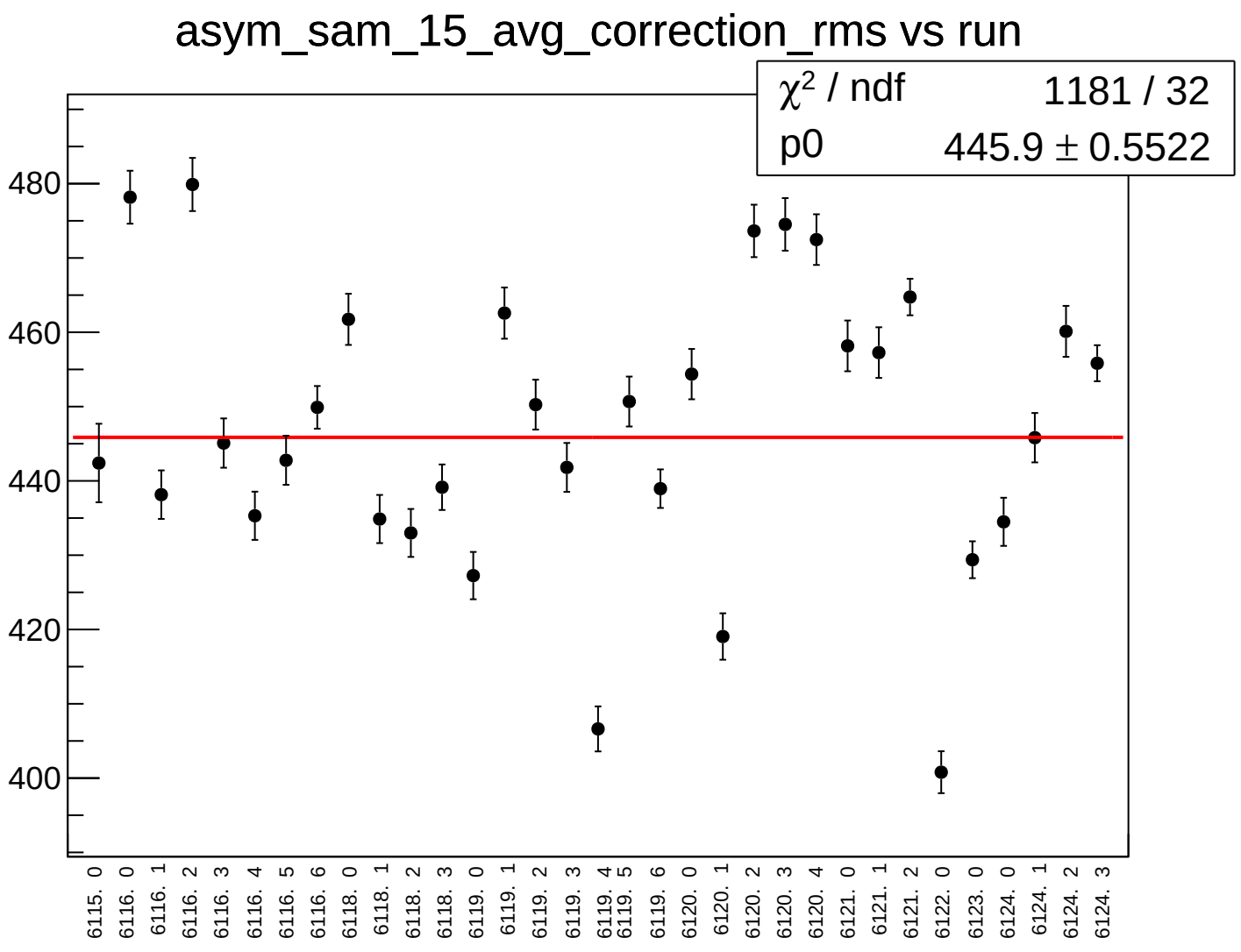

pull1D
Entries 33
Mean −0.001709
Std Dev 0.9209
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

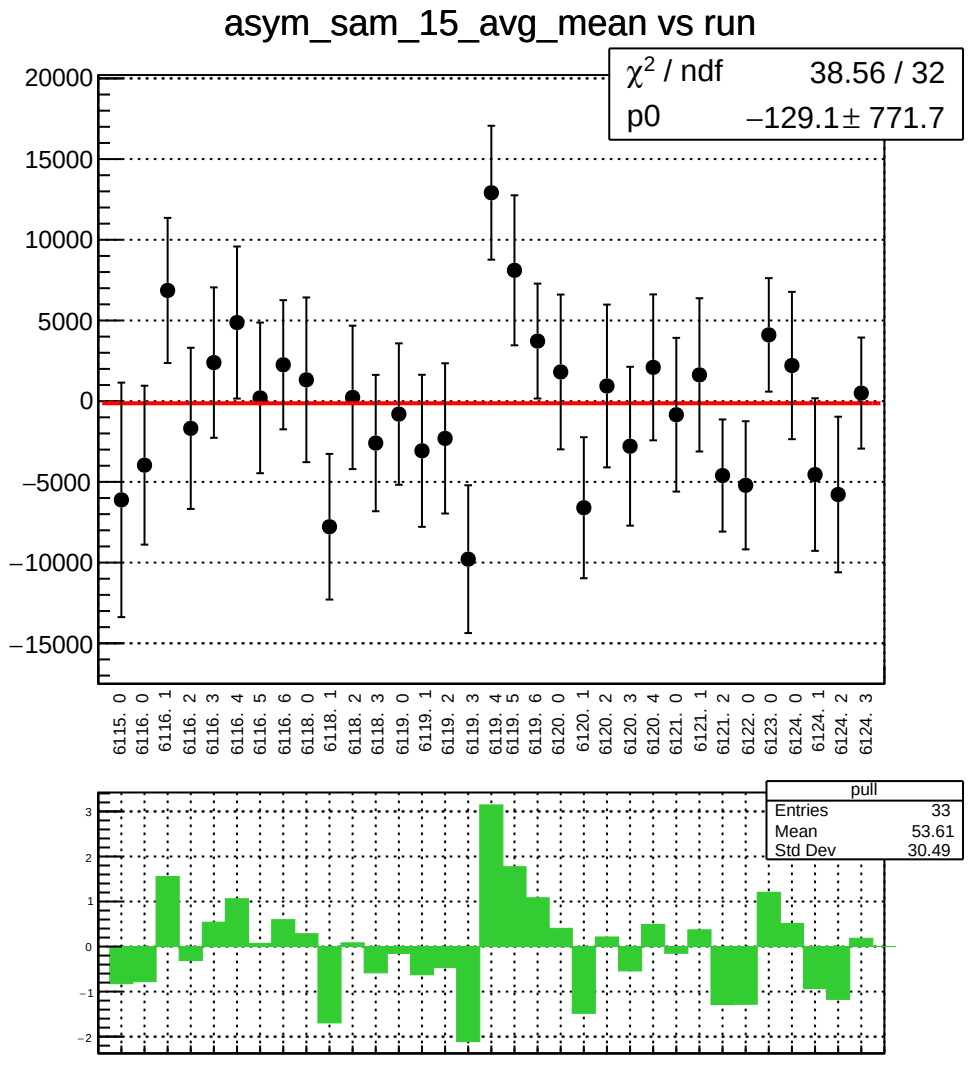

asym_sam8_rms vs run
χ² / ndf 2310 / 32
p0 348.9 ± 0.4324
400
380
360
340
320
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

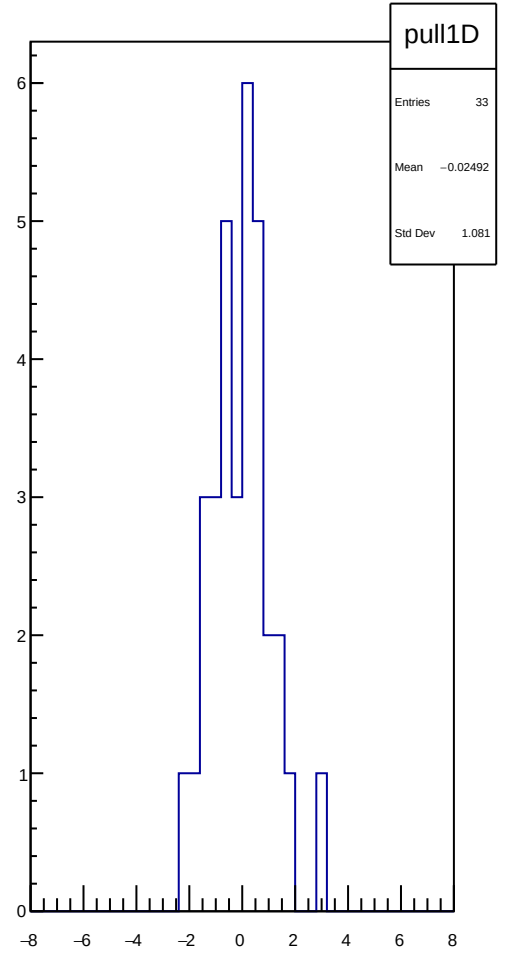

dit_asym_sam_15_avg_mean vs run
χ² / ndf 34.05 / 32
p0 −105.8 ± 106.4
3000
2000
1000
0
−1000
−2000
−3000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −2.874
Std Dev 6.189
pull1D
Entries 33
Mean −0.02758
Std Dev 1.015

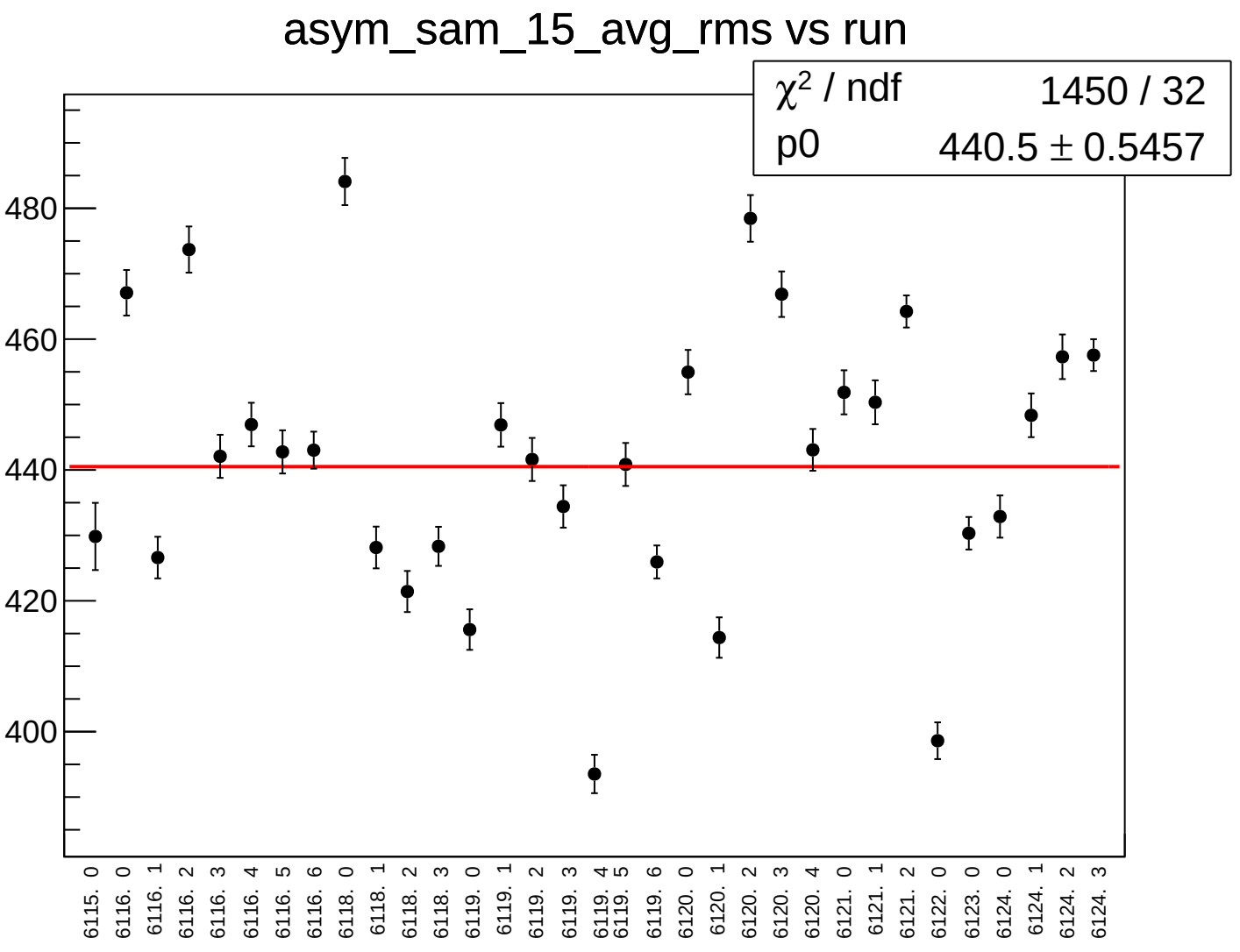

dit_asym_sam_15_avg_rms vs run
χ^2 / ndf 1003 / 32
p0 60.73 ± 0.07521
70
68
66
64
62
60
58
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

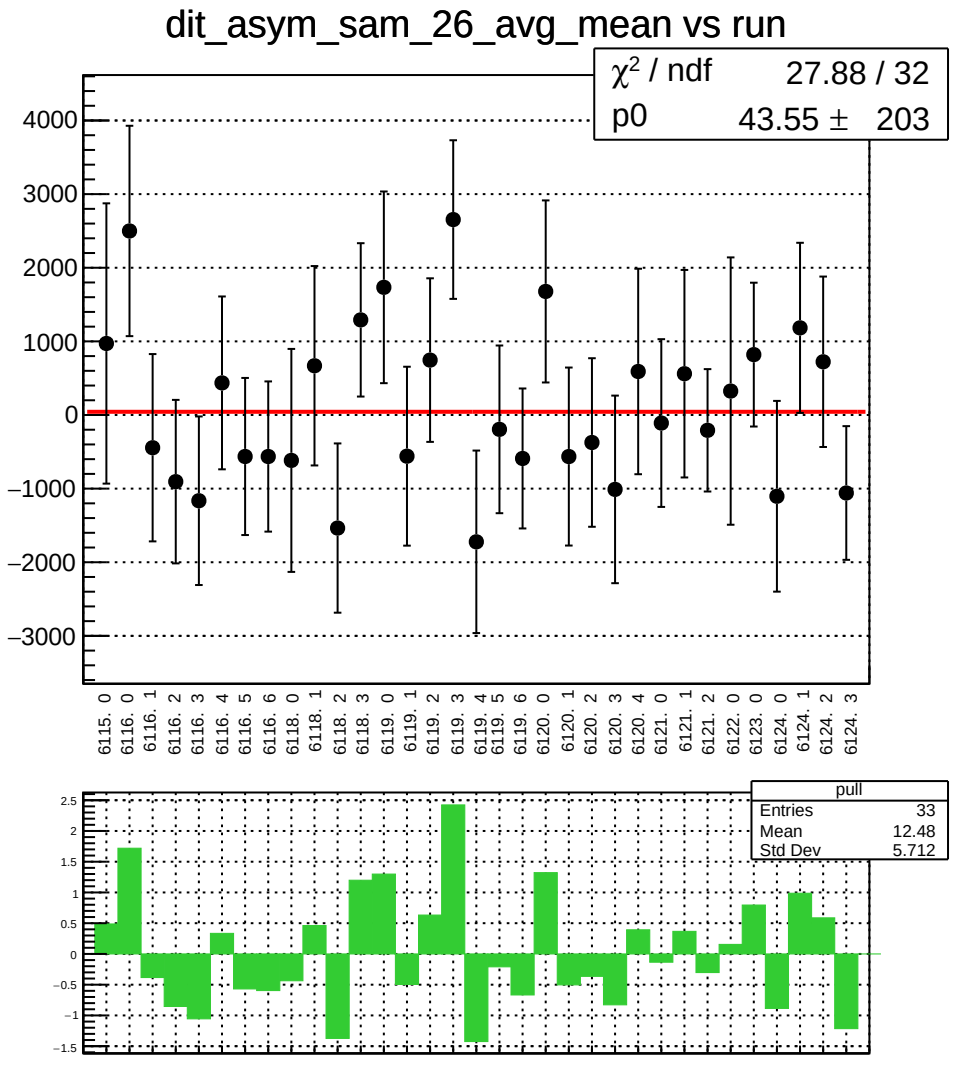

asym_sam_15_avg_correction_mean vs run
χ² / ndf 38.69 / 32
p0 49.41 ± 780.9
15000
10000
5000
0
−5000
−10000
−15000
−20000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 74.93
Std Dev 53.75
2
1
0
−1
−2
−3
pull1D
Entries 33
Mean 0.01757
Std Dev 1.083
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

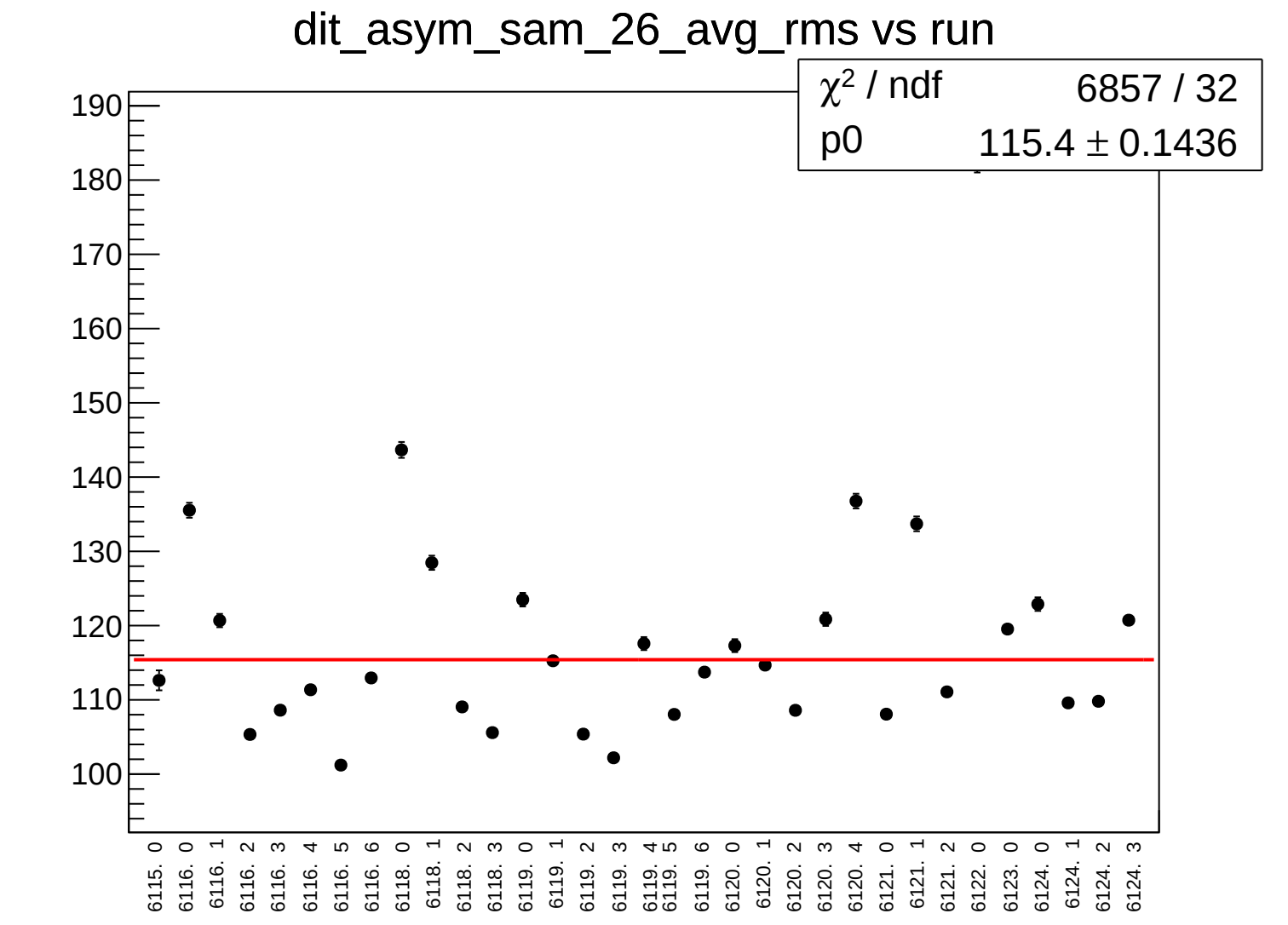

asym_sam_15_avg_correction_rms vs run
χ² / ndf 1181 / 32
p0 445.9 ± 0.5522
480
460
440
420
400
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

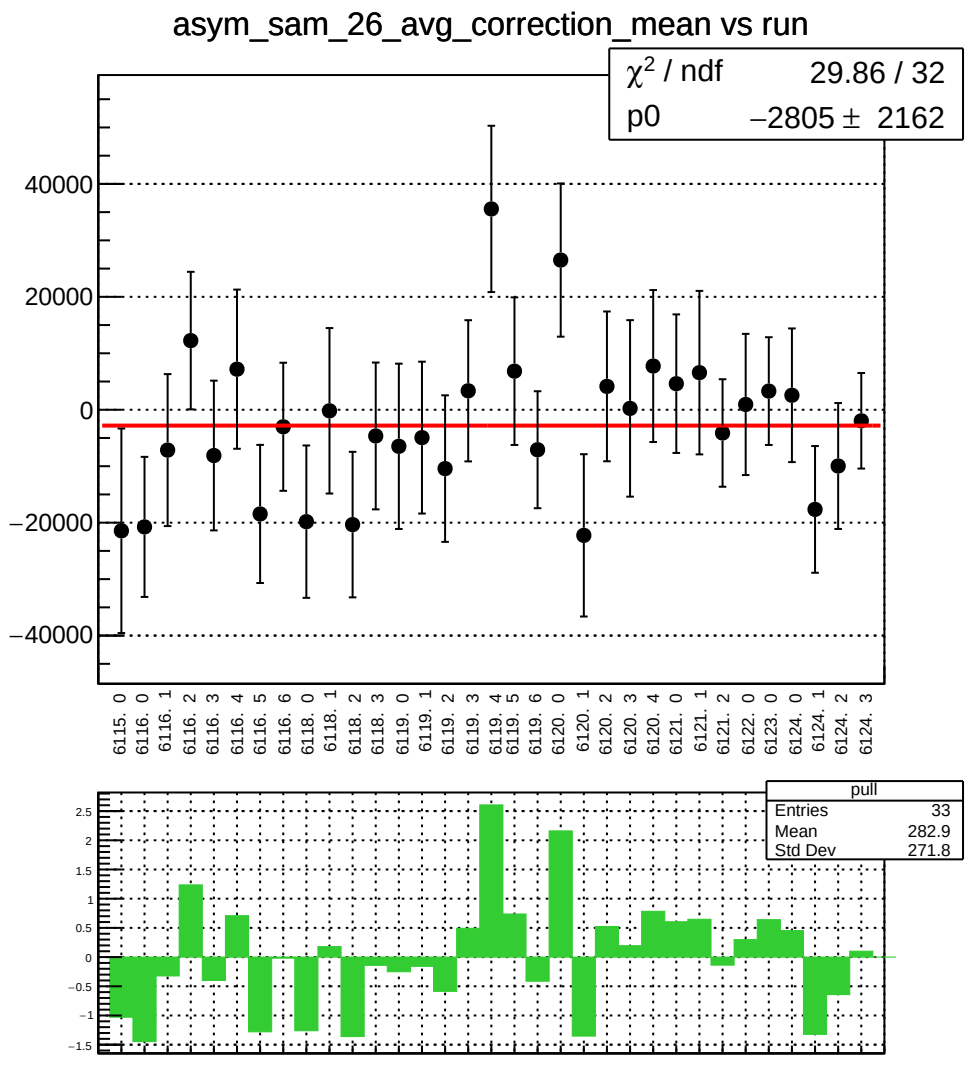

asym_sam_15_avg_mean vs run
χ² / ndf 38.56 / 32
p0 −129.1± 771.7
20000
15000
10000
5000
0
−5000
−10000
−15000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 53.61
Std Dev 30.49
3
2
1
0
−1
−2

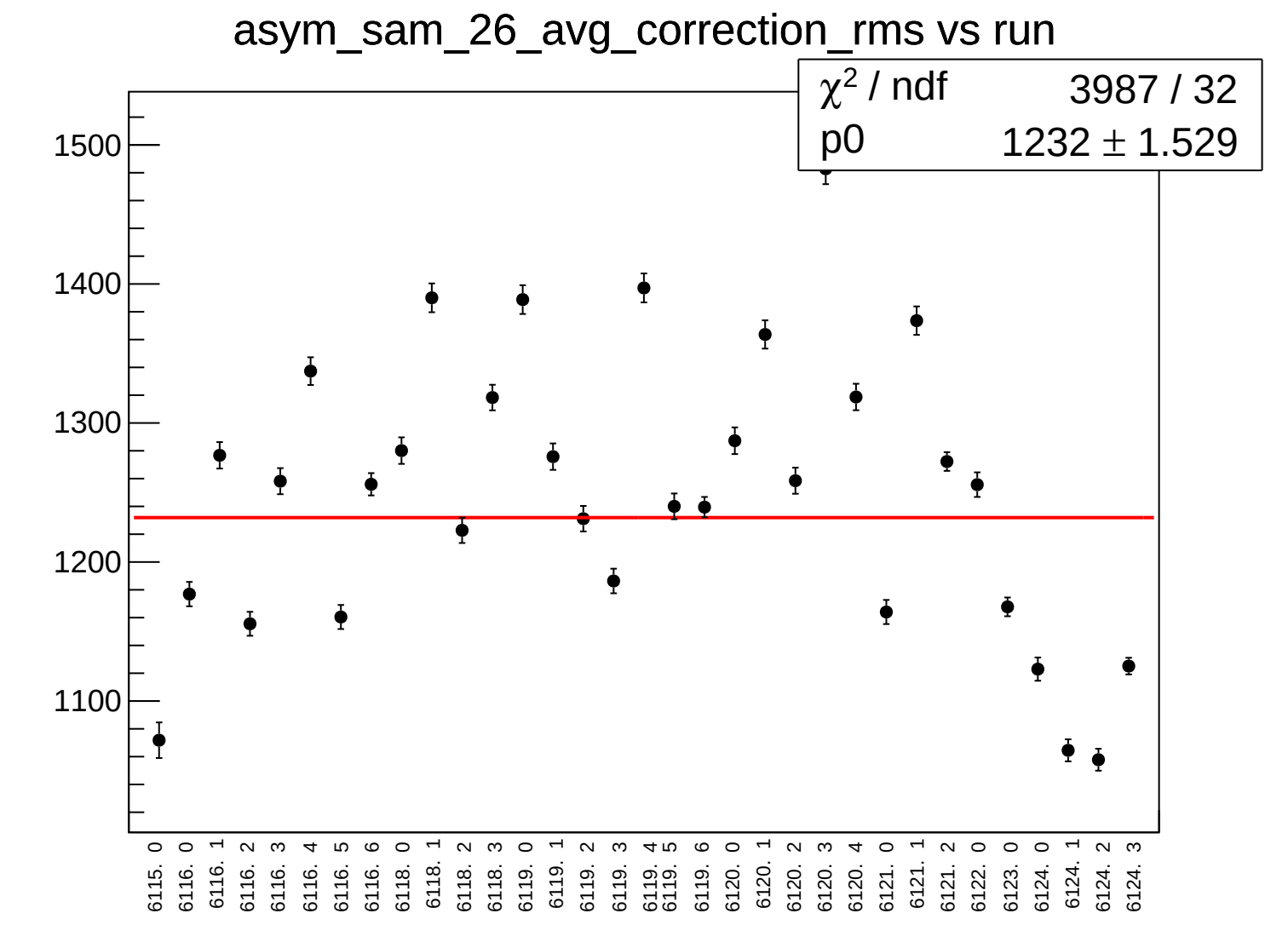

pull1D
Entries 33
Mean −0.02492
Std Dev 1.081
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

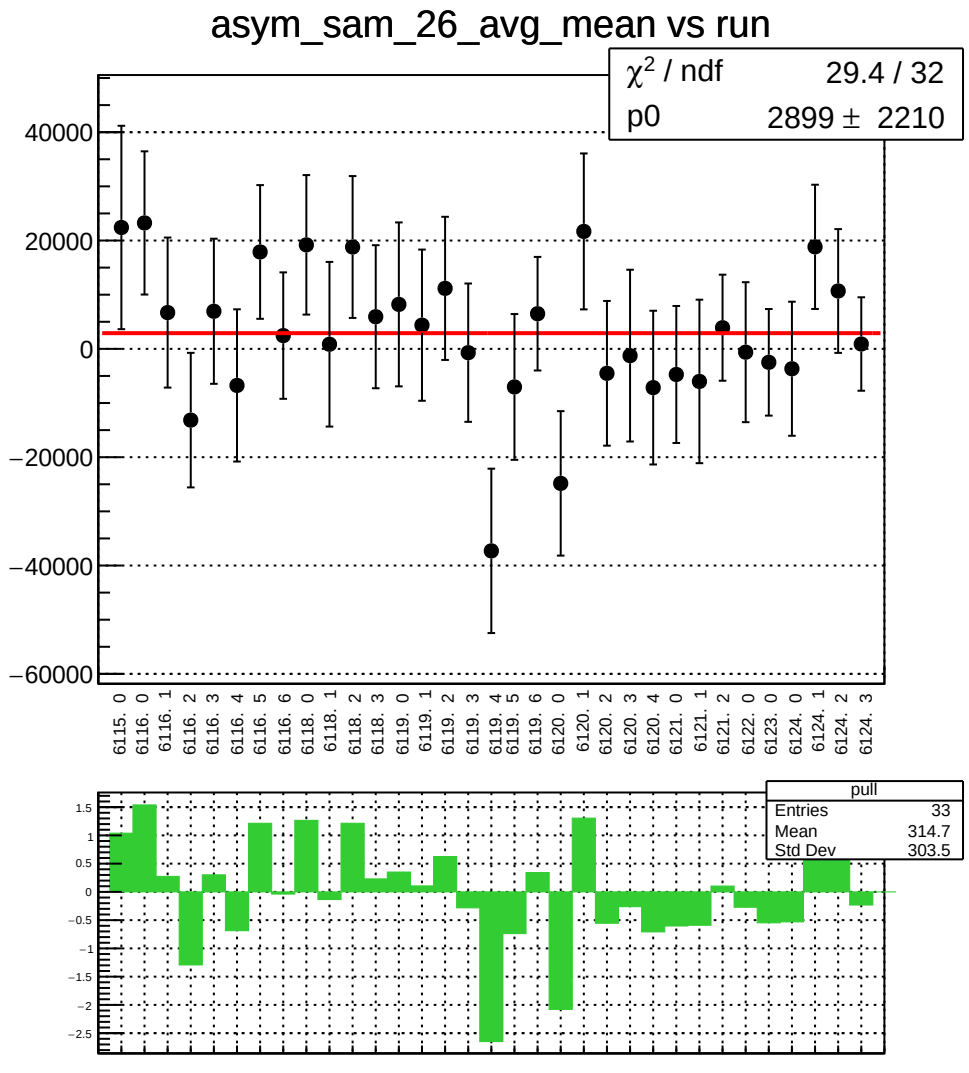

asym_sam_15_avg_rms vs run
χ² / ndf 1450 / 32
p0 440.5 ± 0.5457
480
460
440
420
400
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

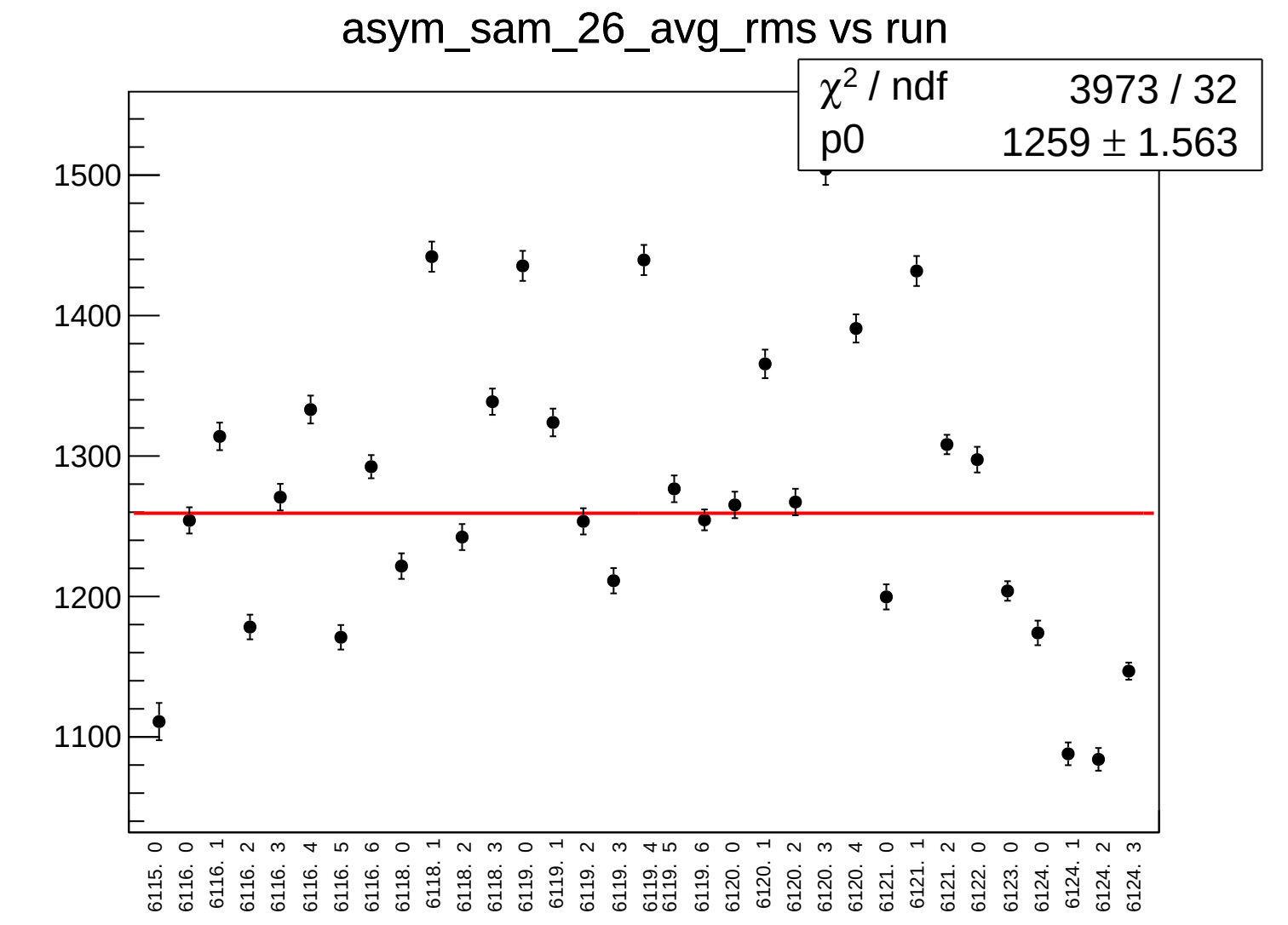

dit_asym_sam_26_avg_mean vs run
χ² / ndf 27.88 / 32
p0 43.55 ± 203
4000
3000
2000
1000
0
−1000
−2000
−3000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 12.48
Std Dev 5.712
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.02618
Std Dev 0.9188
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

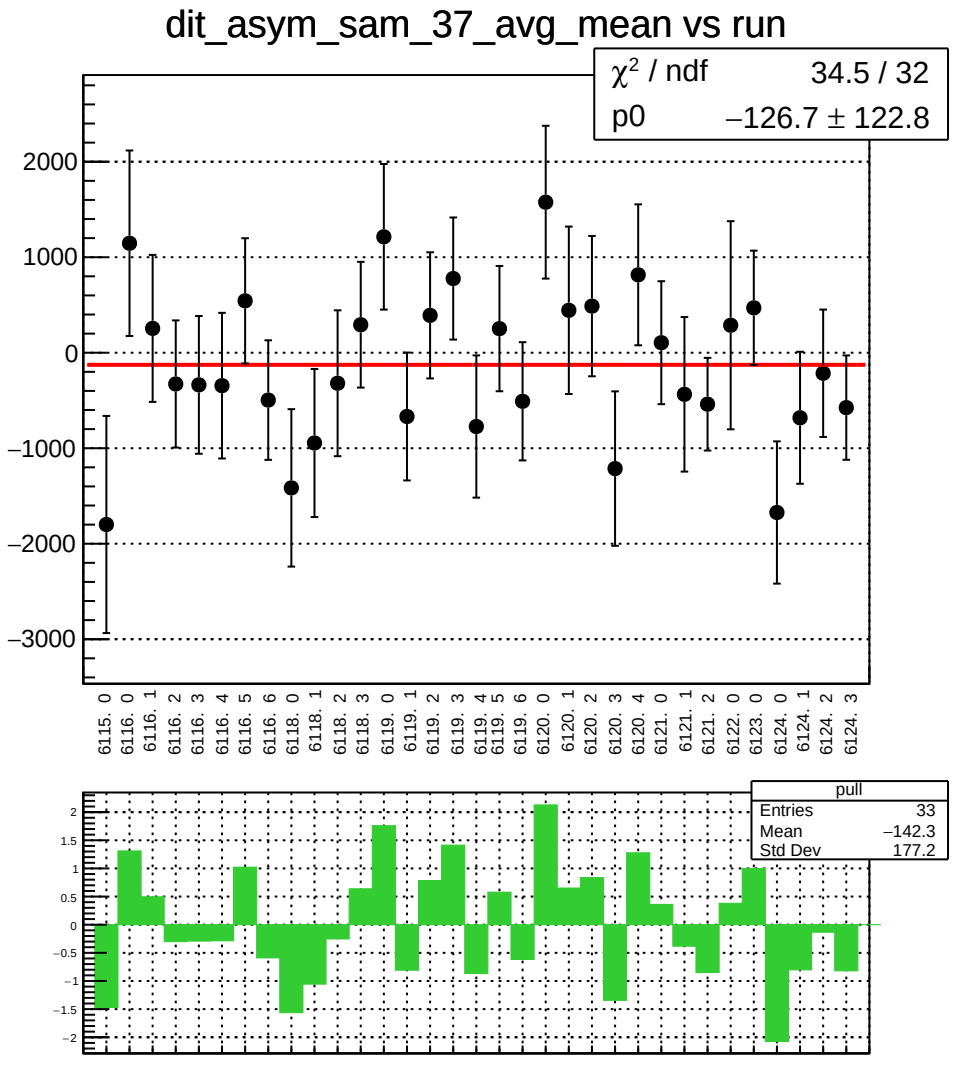

dit_asym_sam_26_avg_rms vs run
χ² / ndf 6857 / 32
p0 115.4 ± 0.1436
190
180
170
160
150
140
130
120
110
100
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

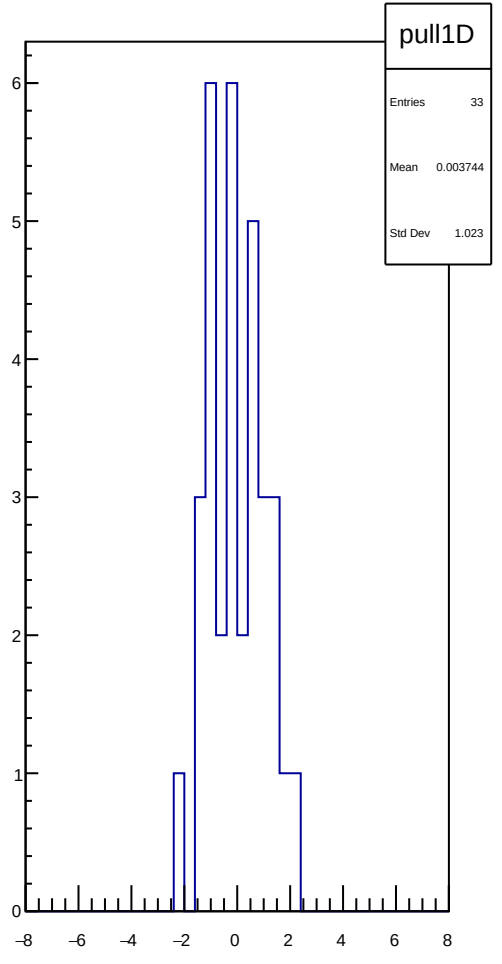

asym_sam_26_avg_correction_mean vs run
χ² / ndf 29.86 / 32
p0 −2805 ± 2162
40000
20000
0
−20000
−40000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 282.9
Std Dev 271.8
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.007542
Std Dev 0.9512
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

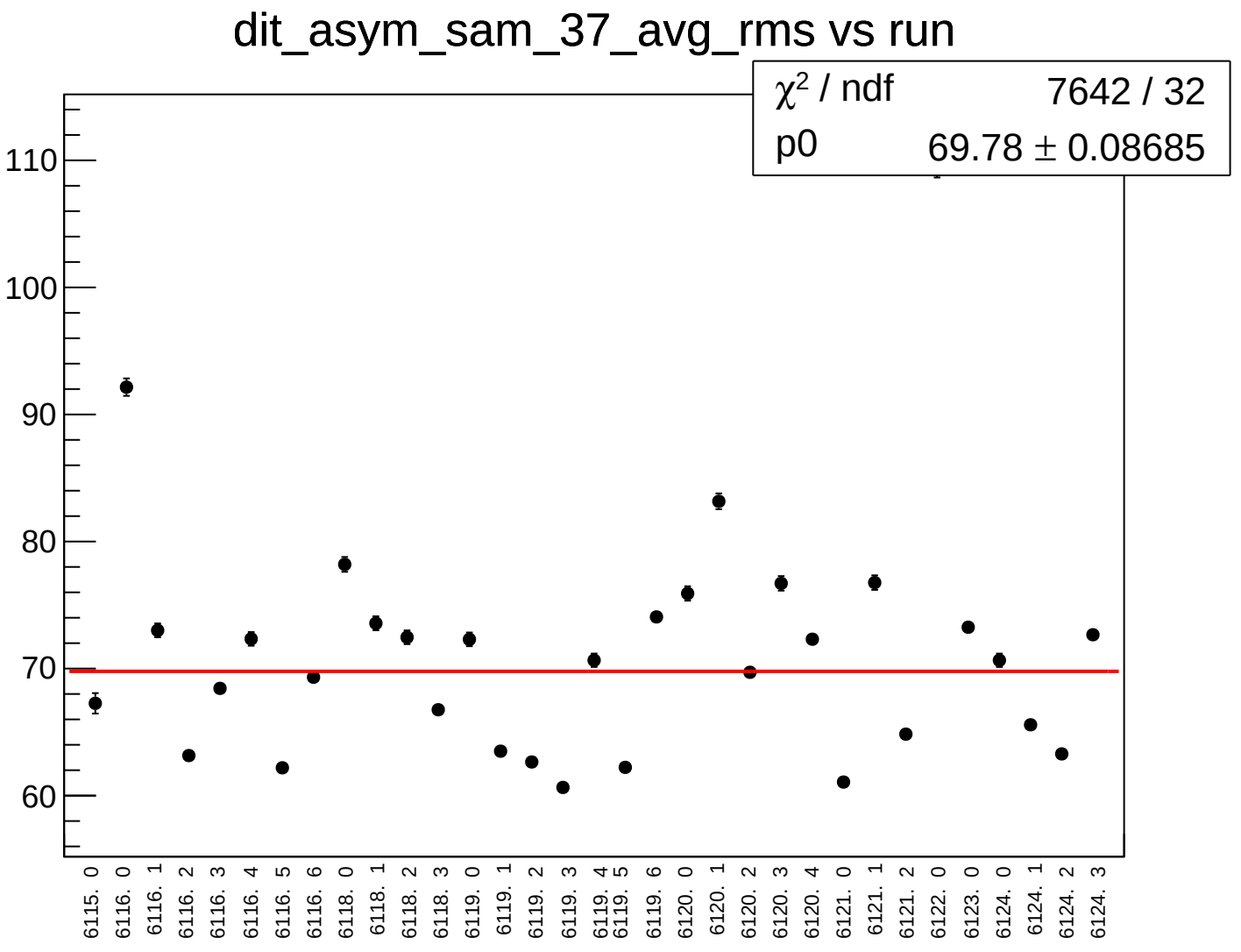

asym_sam_26_avg_correction_rms vs run
χ² / ndf 3987 / 32
p0 1232 ± 1.529
1500
1400
1300
1200
1100
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

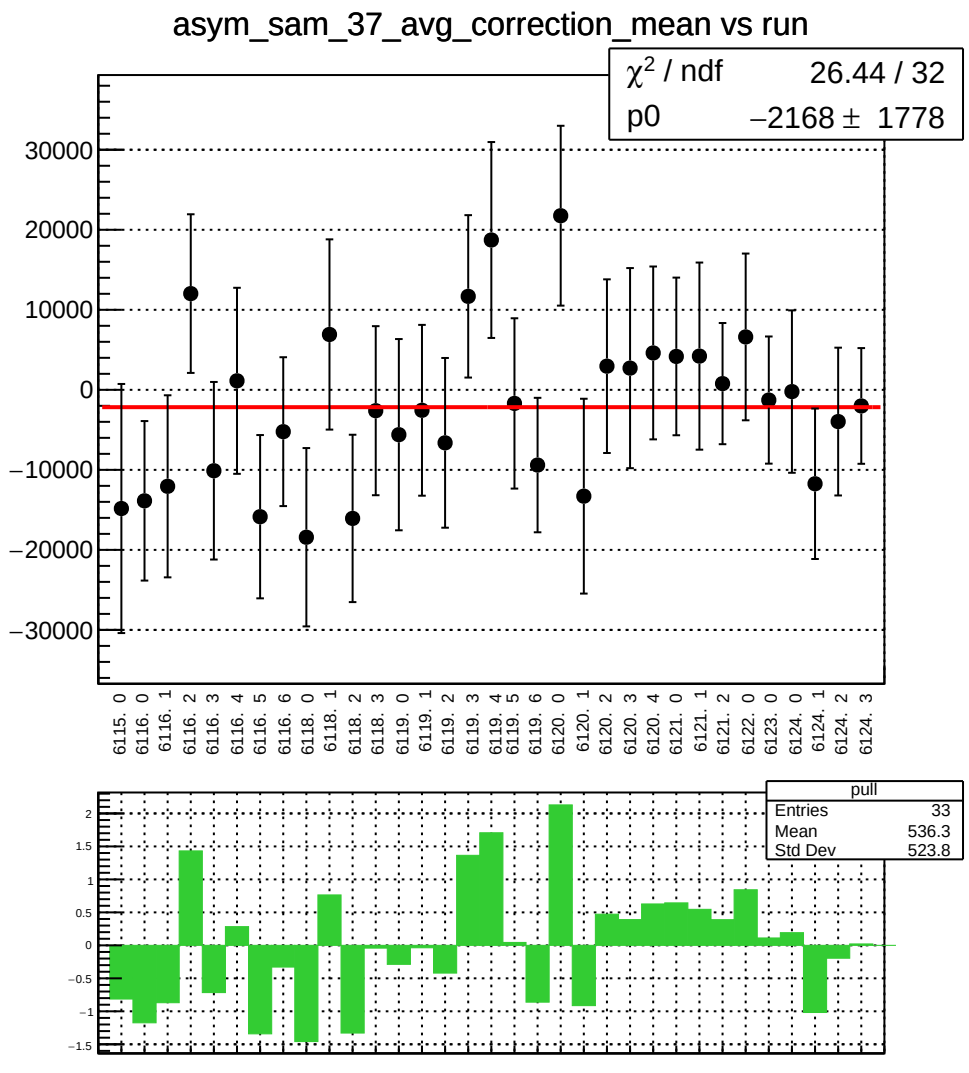

asym_sam_26_avg_mean vs run
χ² / ndf 29.4 / 32
p0 2899 ± 2210
40000
20000
0
−20000
−40000
−60000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 314.7
Std Dev 303.5
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean −0.006598
Std Dev 0.9438
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

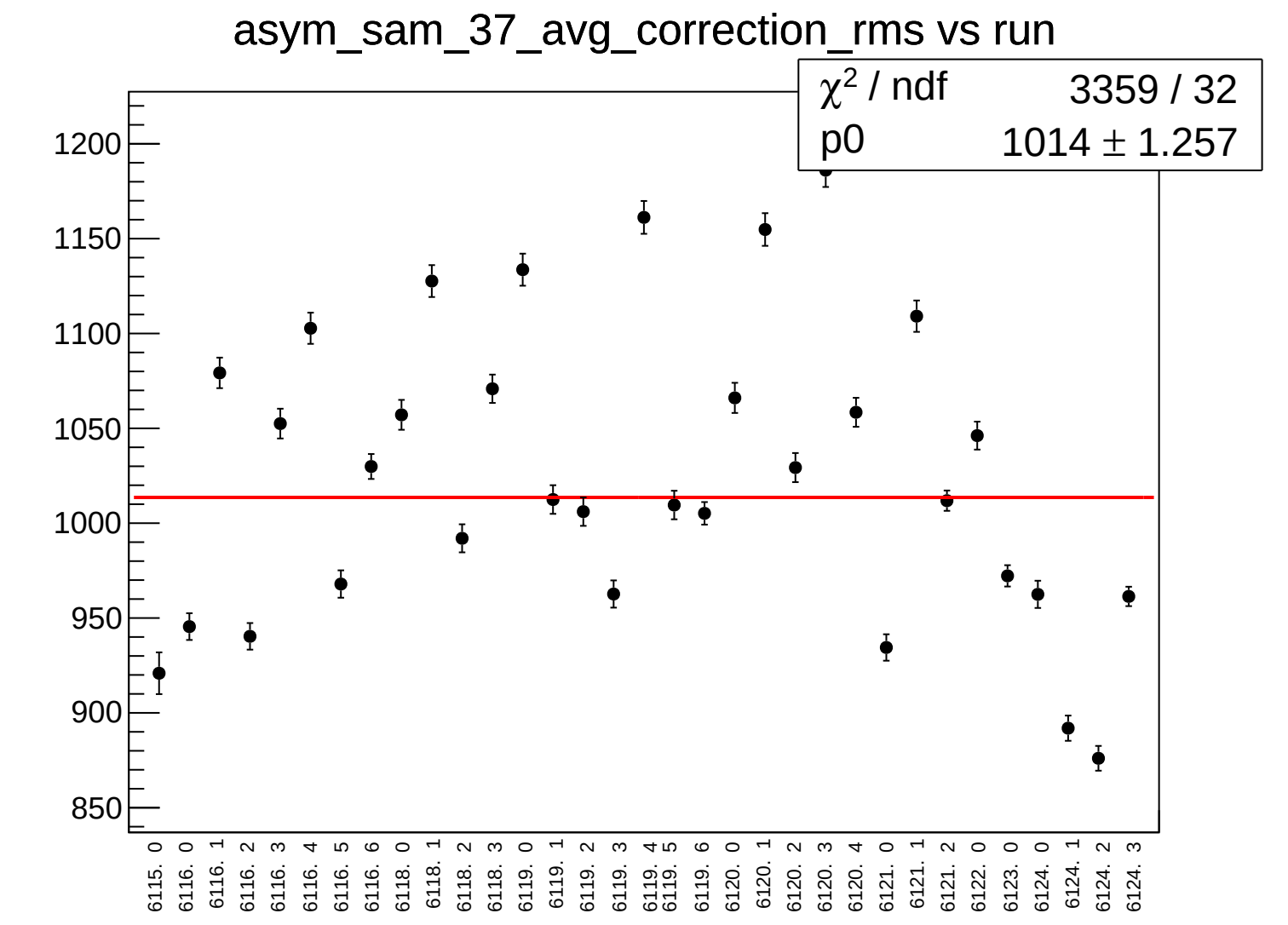

asym_sam_26_avg_rms vs run
χ² / ndf 3973 / 32
p0 1259 ± 1.563
1500
1400
1300
1200
1100
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

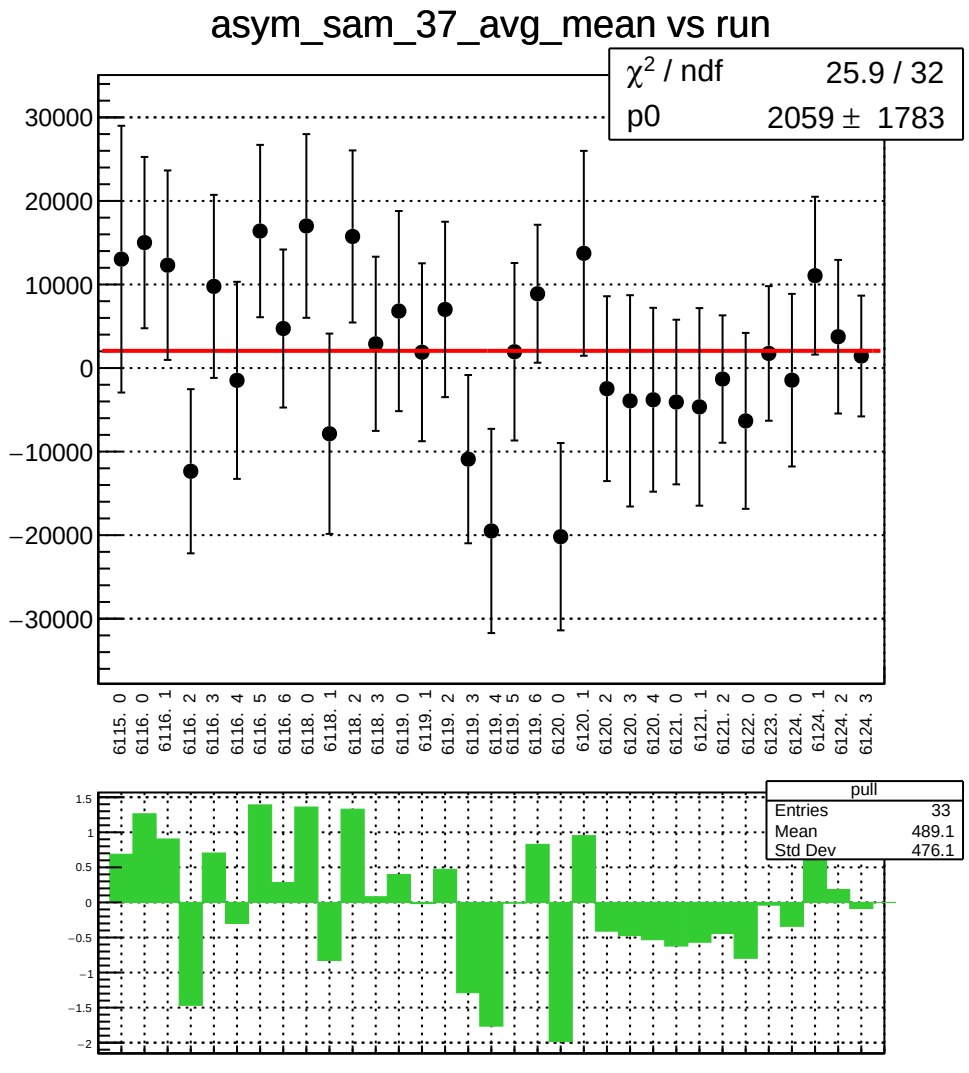

dit_asym_sam_37_avg_mean vs run
χ² / ndf 34.5 / 32
p0 −126.7 ± 122.8
2000
1000
0
−1000
−2000
−3000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −142.3
Std Dev 177.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

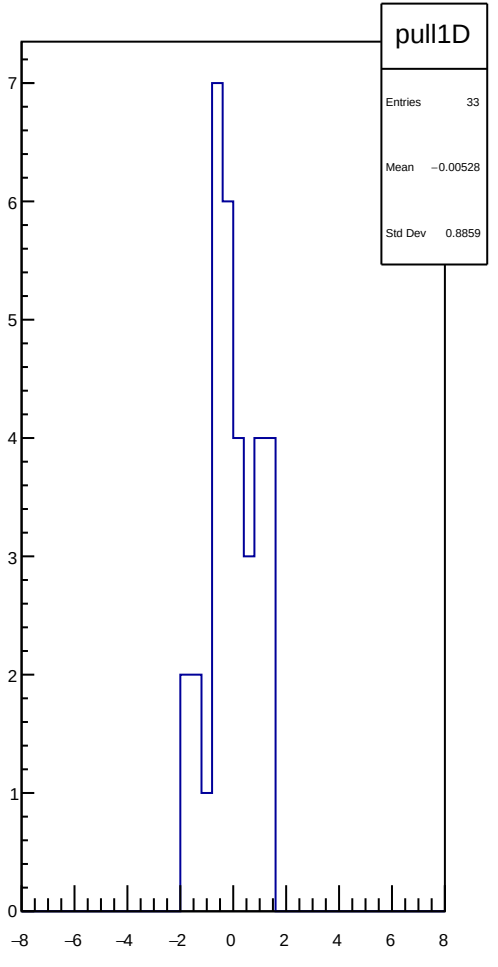

pull1D
Entries 33
Mean 0.003744
Std Dev 1.023
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

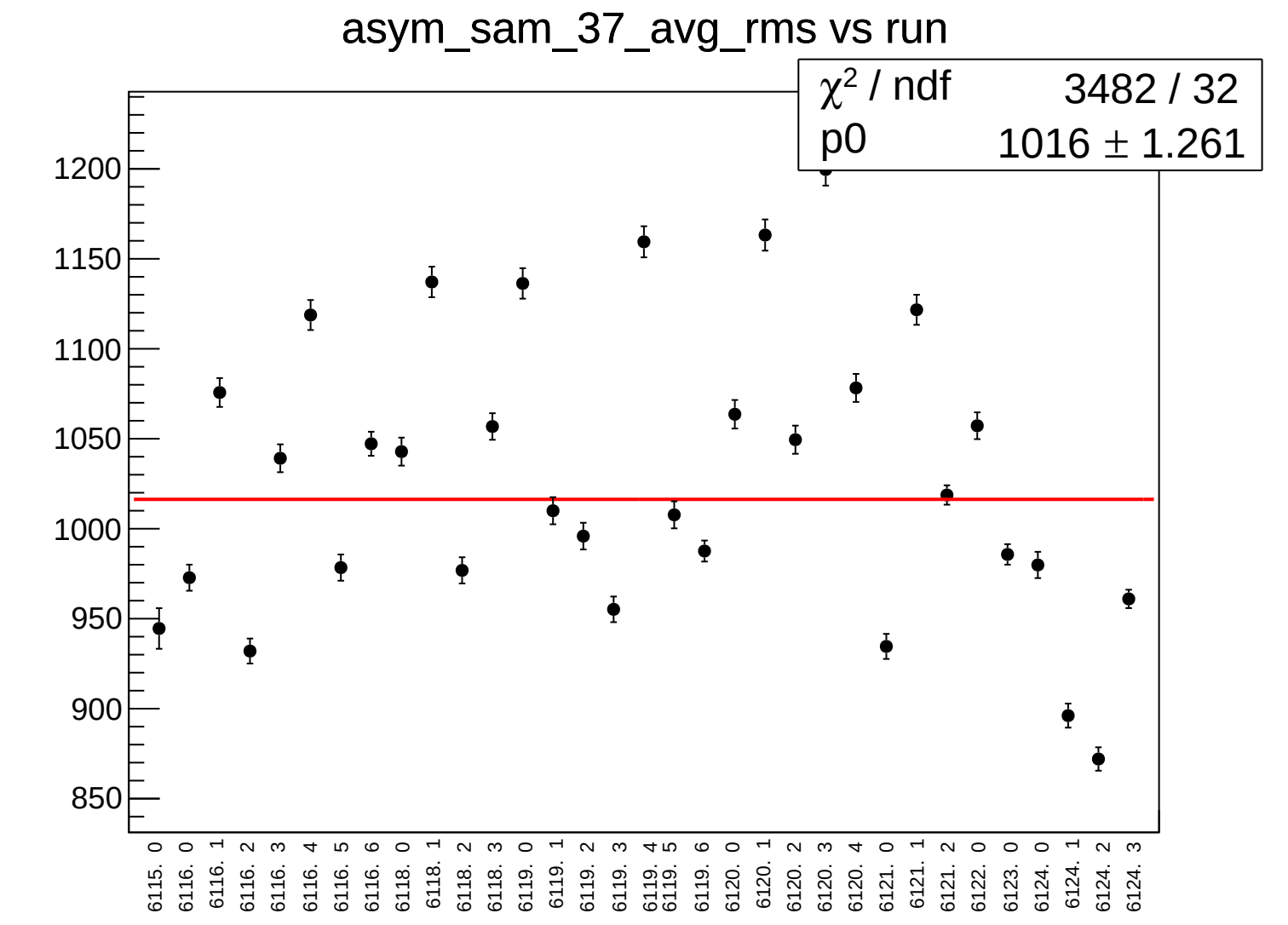

dit_asym_sam_37_avg_rms vs run
χ² / ndf 7642 / 32
p0 69.78 ± 0.08685
110
100
90
80
70
60
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
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6121. 1
6121. 2
6122. 0
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6124. 0
6124. 1
6124. 2
6124. 3

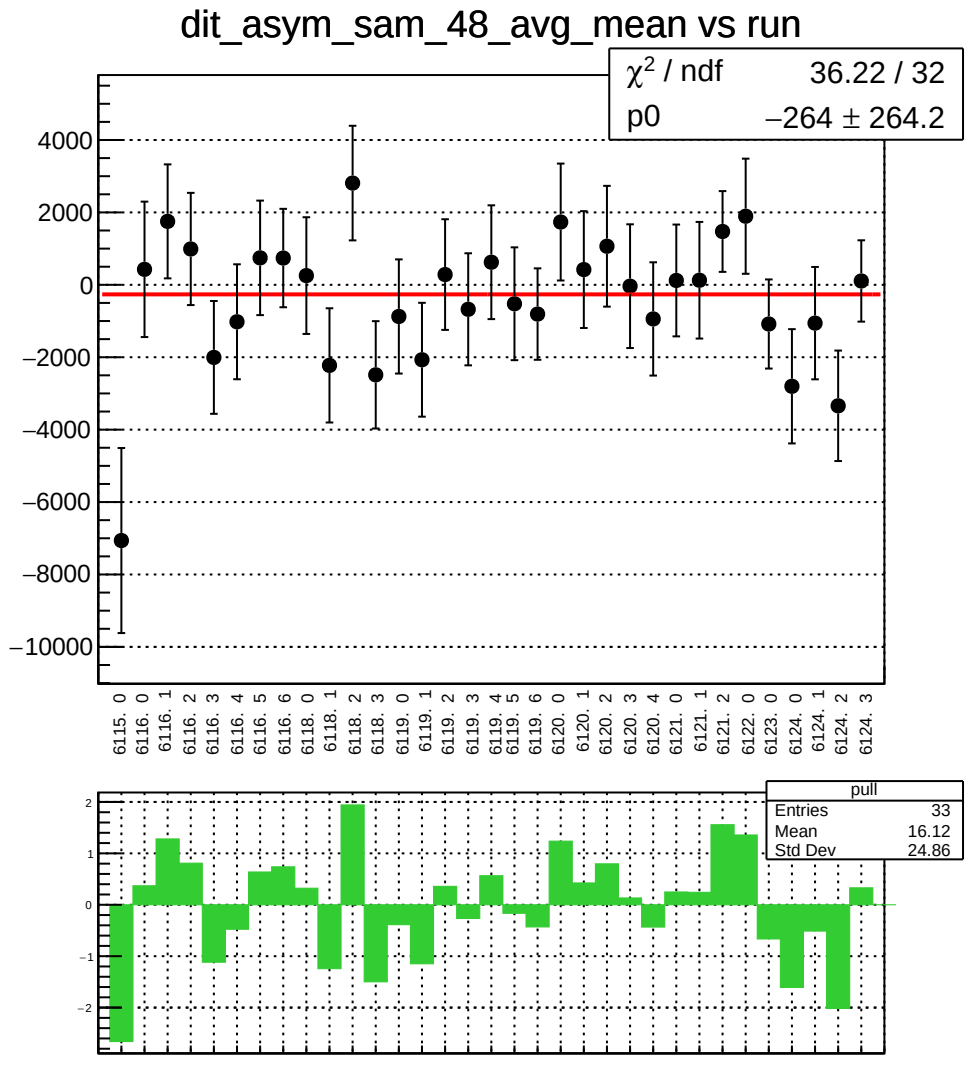

asym_sam_37_avg_correction_mean vs run
χ² / ndf 26.44 / 32
p0 −2168 ± 1778
30000
20000
10000
0
−10000
−20000
−30000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 536.3
Std Dev 523.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.00476
Std Dev 0.8951
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

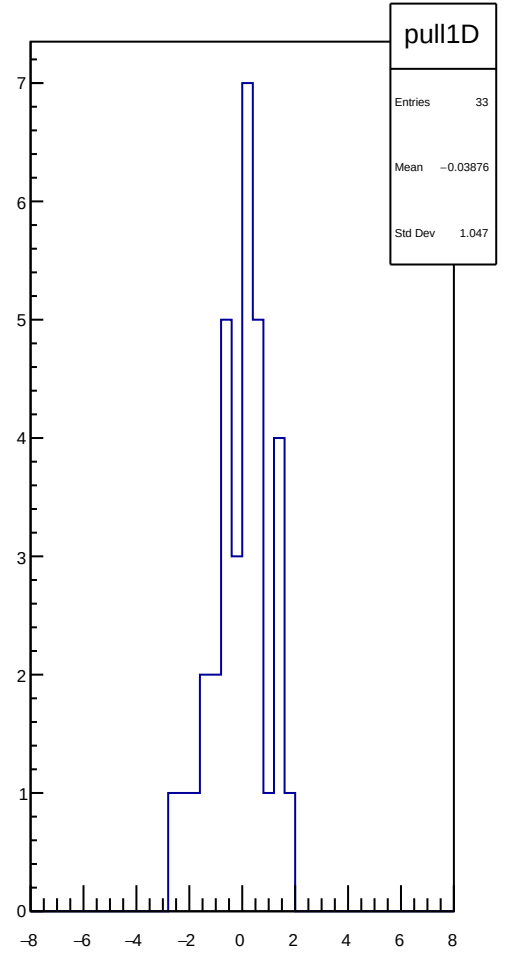

asym_sam_37_avg_correction_rms vs run
χ² / ndf 3359 / 32
p0 1014 ± 1.257
1200
1150
1100
1050
1000
950
900
850
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

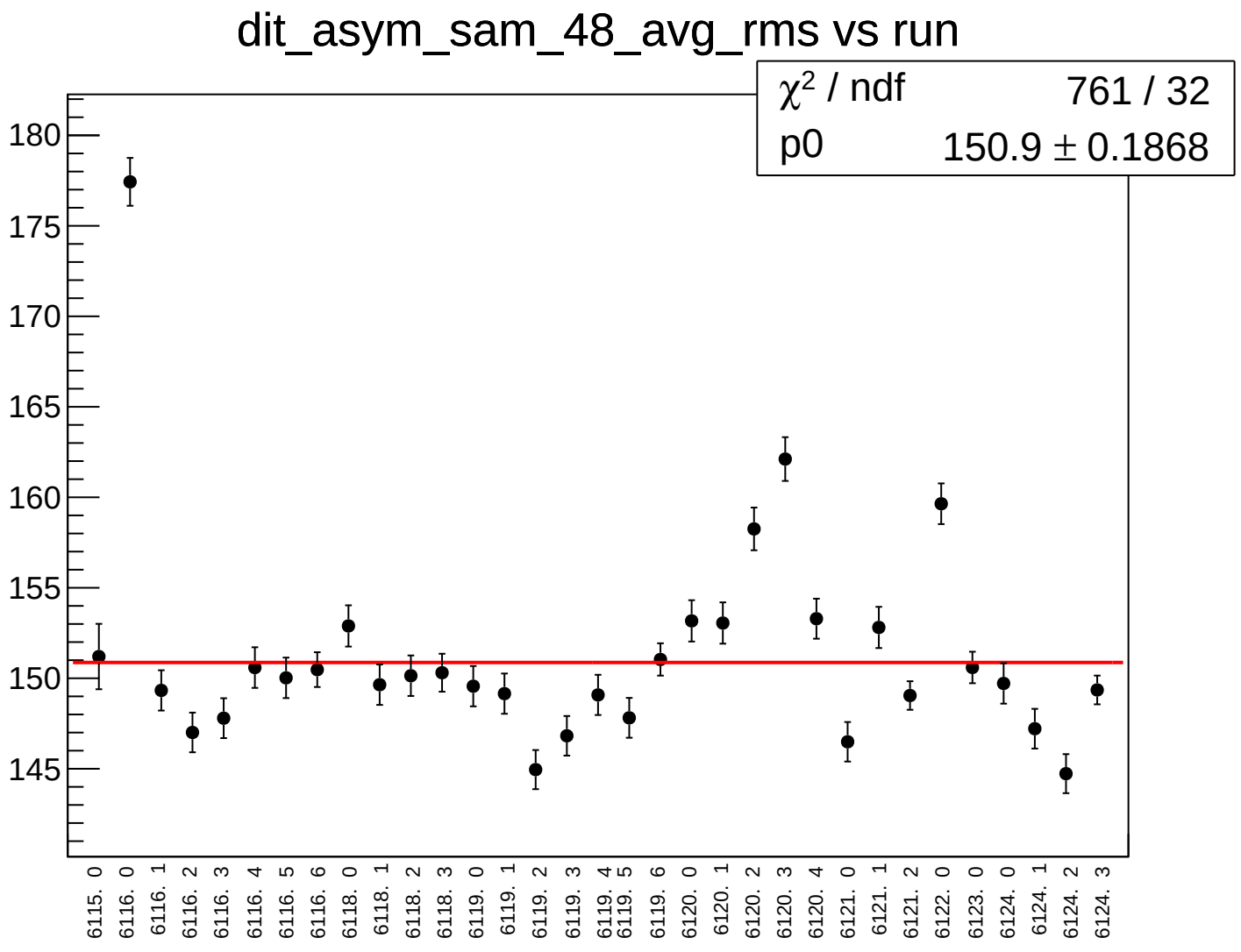

asym_sam_37_avg_mean vs run
χ² / ndf 25.9 / 32
p0 2059 ± 1783
30000
20000
10000
0
−10000
−20000
−30000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 489.1
Std Dev 476.1
1.5
1
0.5
0
−0.5
−1
−1.5
−2

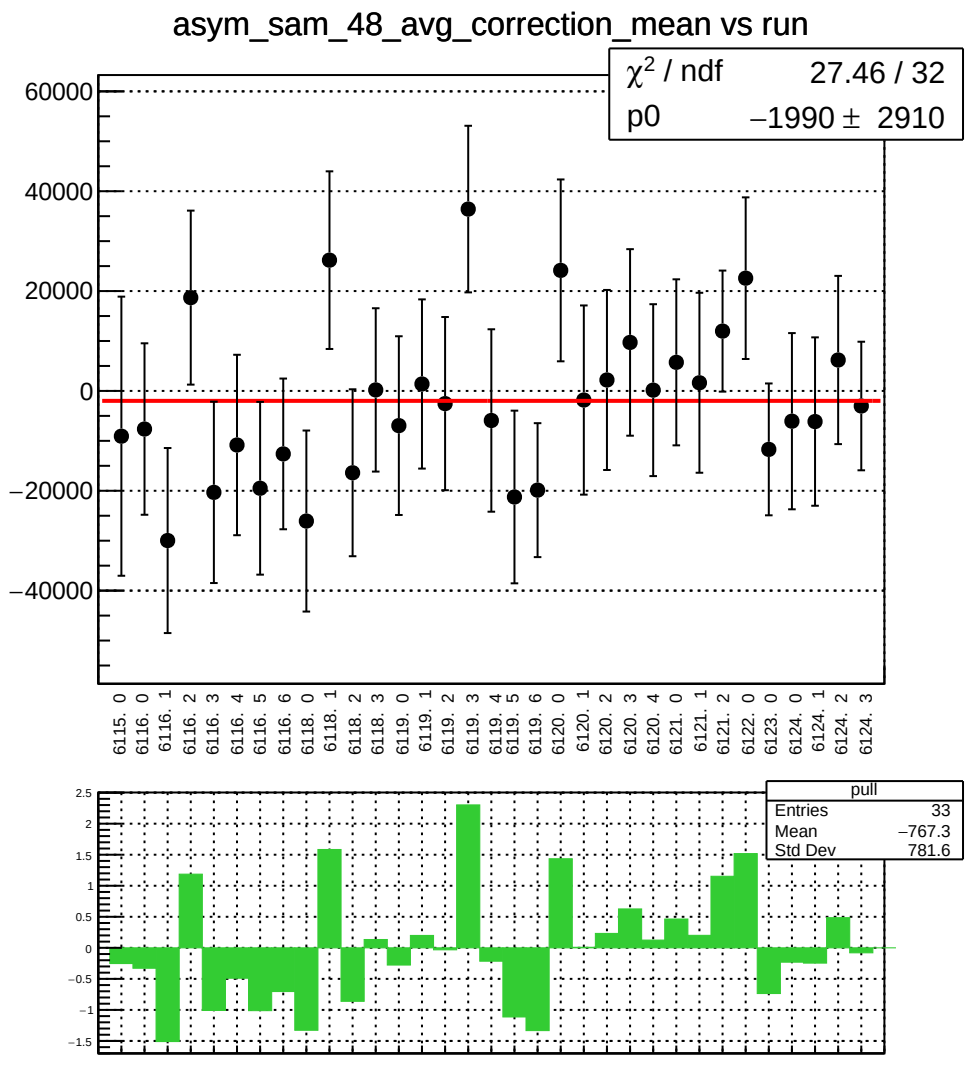

pull1D
Entries 33
Mean −0.00528
Std Dev 0.8859
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

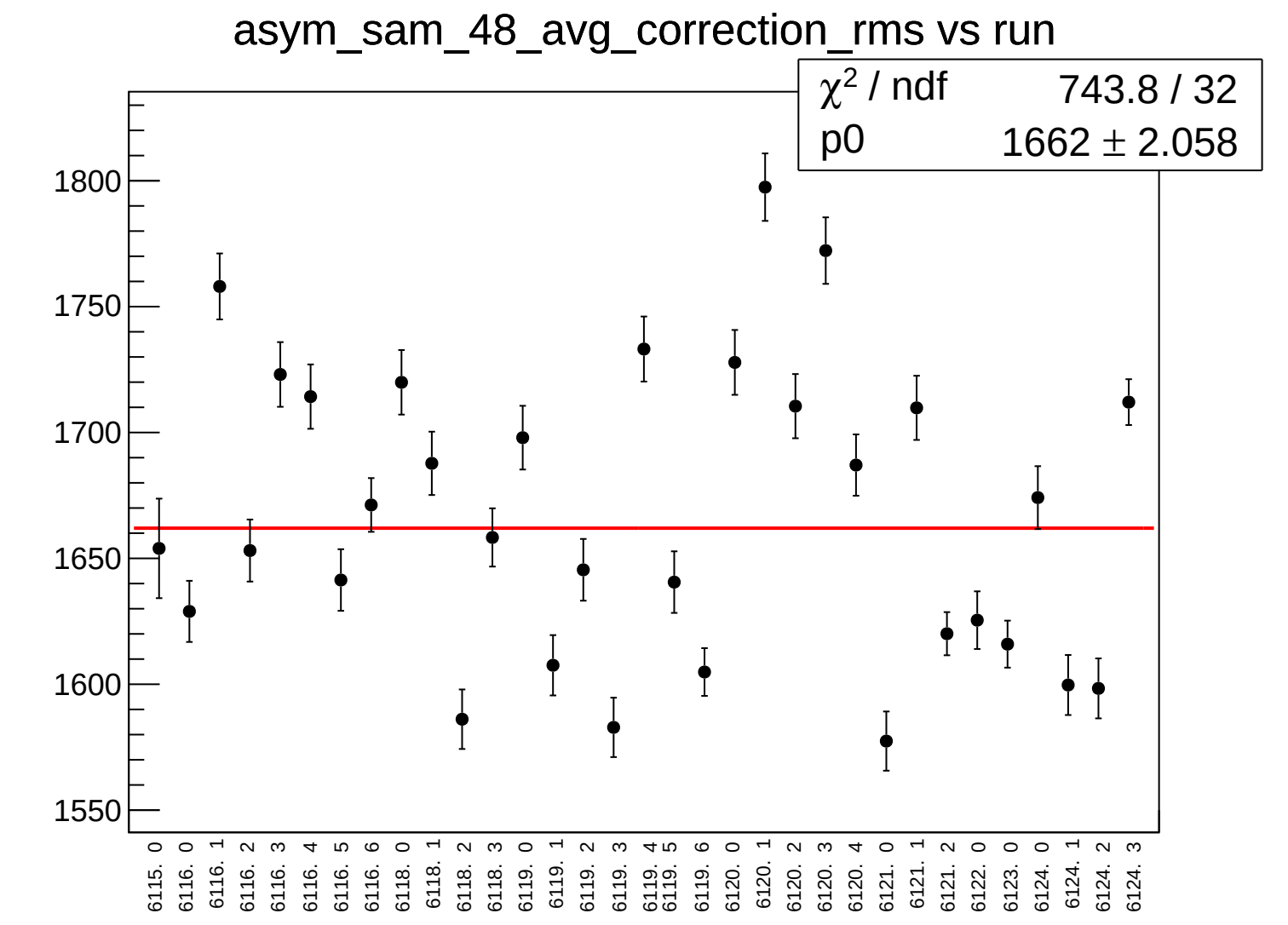

asym_sam_37_avg_rms vs run
χ² / ndf 3482 / 32
p0 1016 ± 1.261
1200
1150
1100
1050
1000
950
900
850
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

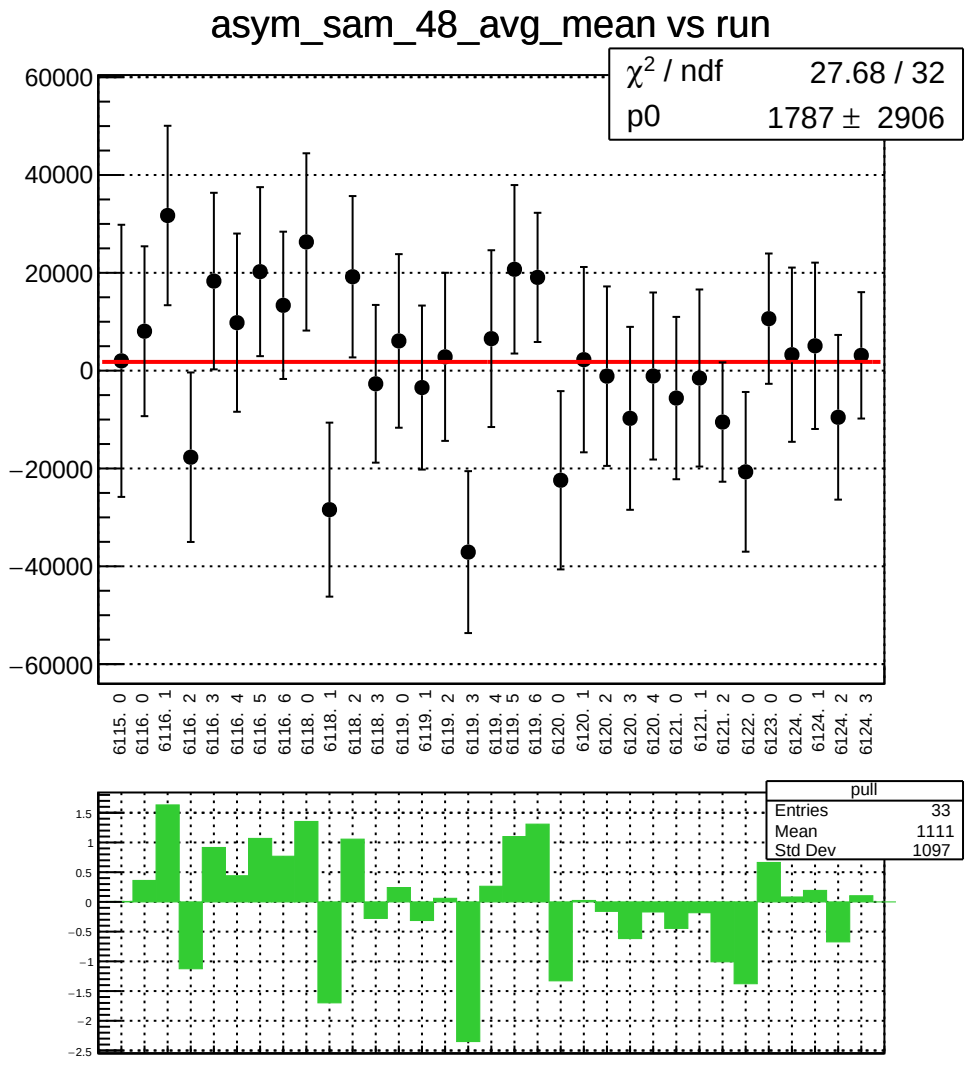

dit_asym_sam_48_avg_mean vs run
χ² / ndf 36.22 / 32
p0 −264 ± 264.2
4000
2000
0
−2000
−4000
−6000
−8000
−10000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 16.12
Std Dev 24.86
2
1
0
−1
−2

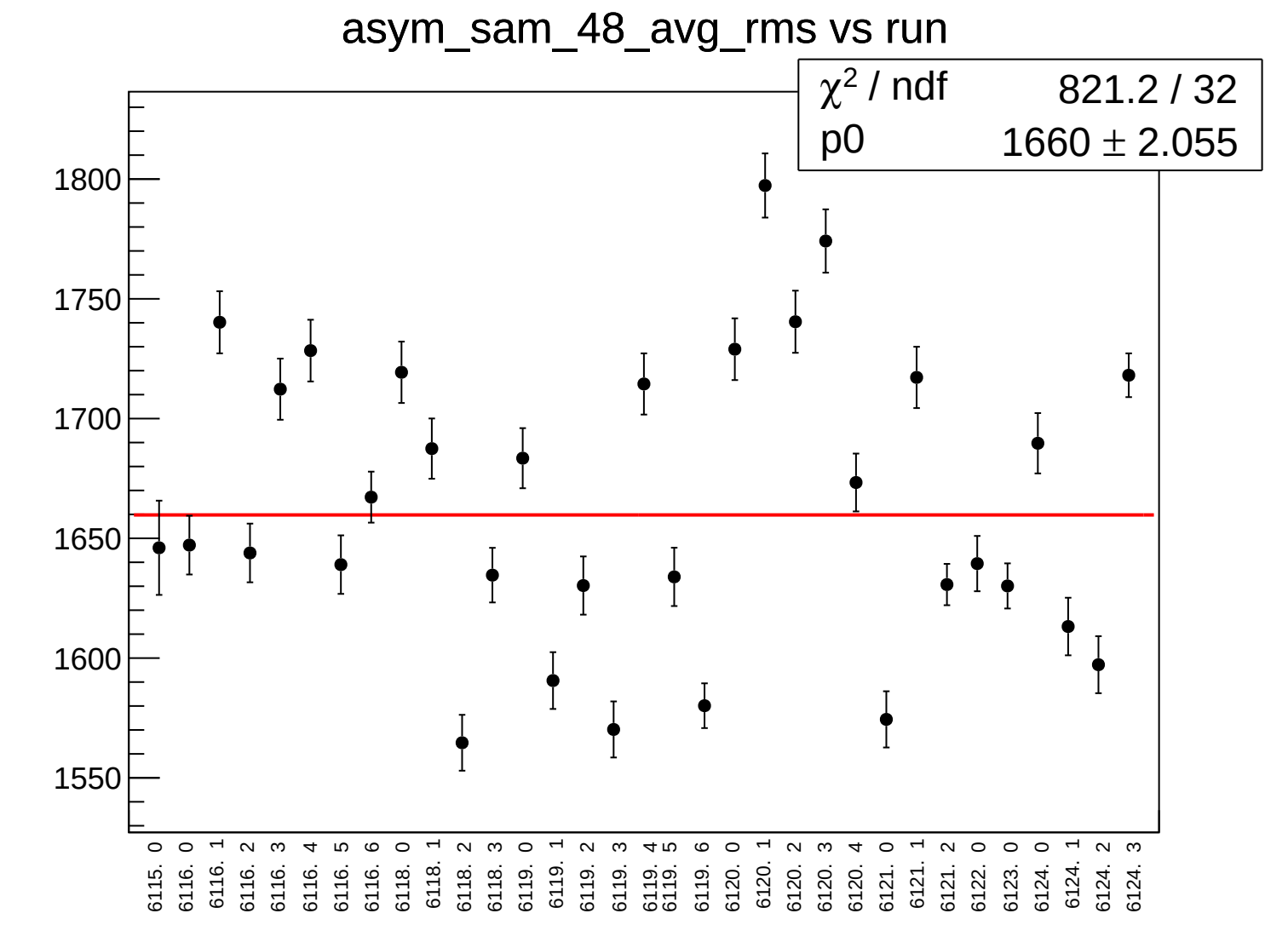

pull1D
Entries 33
Mean −0.03876
Std Dev 1.047
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

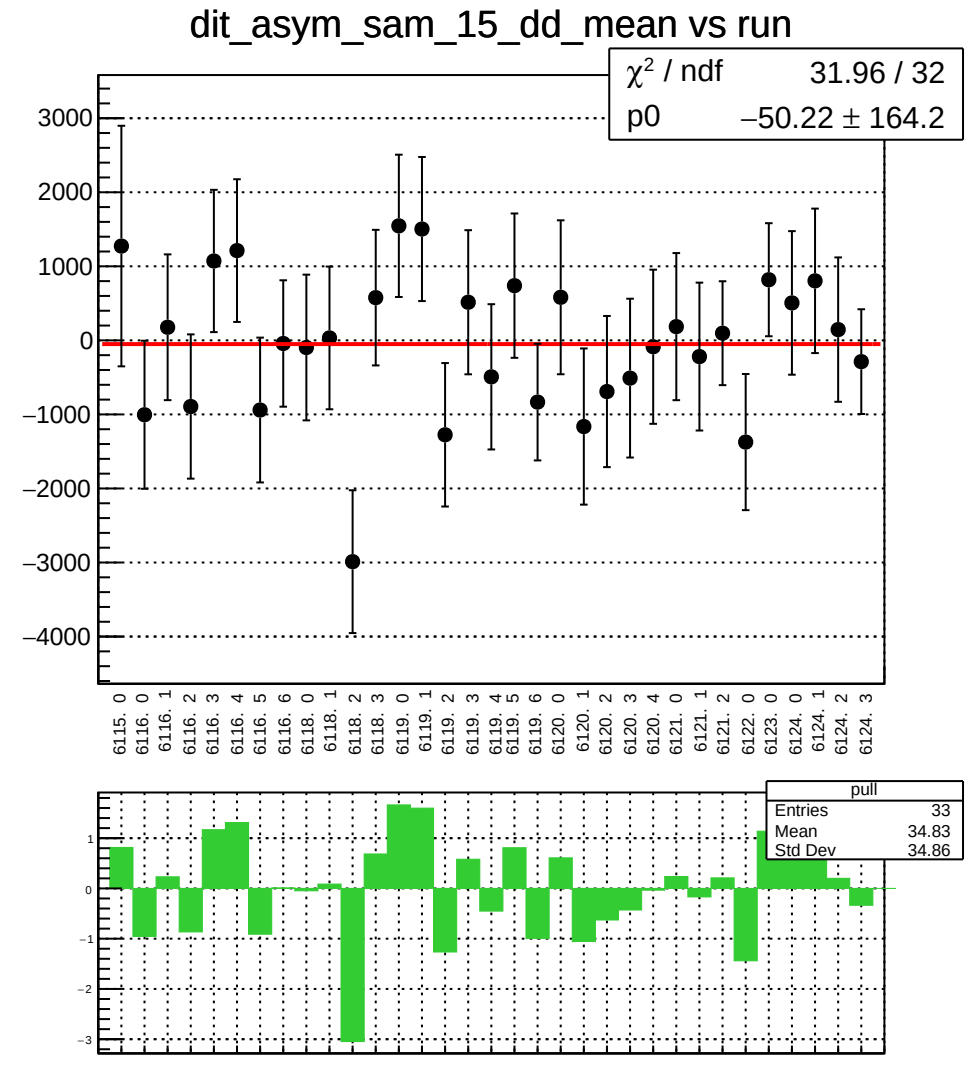

dit_asym_sam_48_avg_rms vs run
χ² / ndf 761 / 32
p0 150.9 ± 0.1868
180
175
170
165
160
155
150
145
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

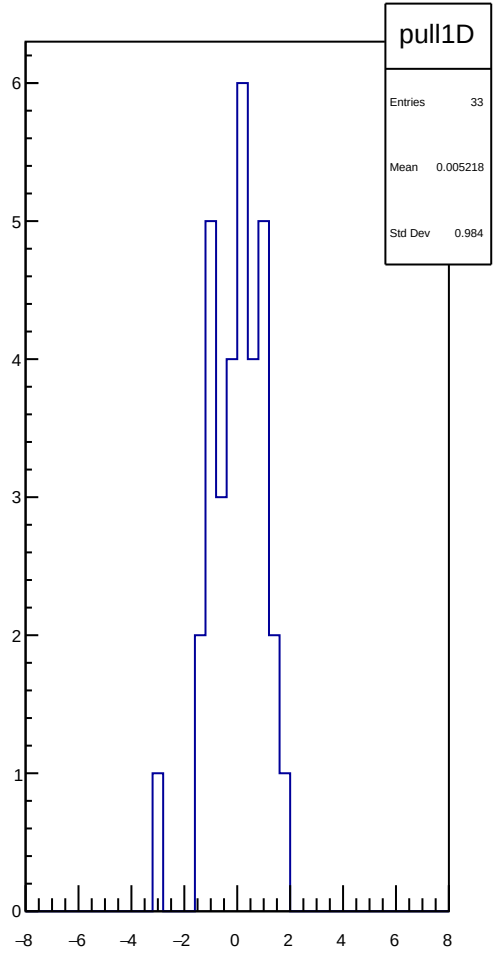

asym_sam_48_avg_correction_mean vs run
χ² / ndf 27.46 / 32
p0 −1990 ± 2910
60000
40000
20000
0
−20000
−40000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −767.3
Std Dev 781.6
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.003161
Std Dev 0.9122
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

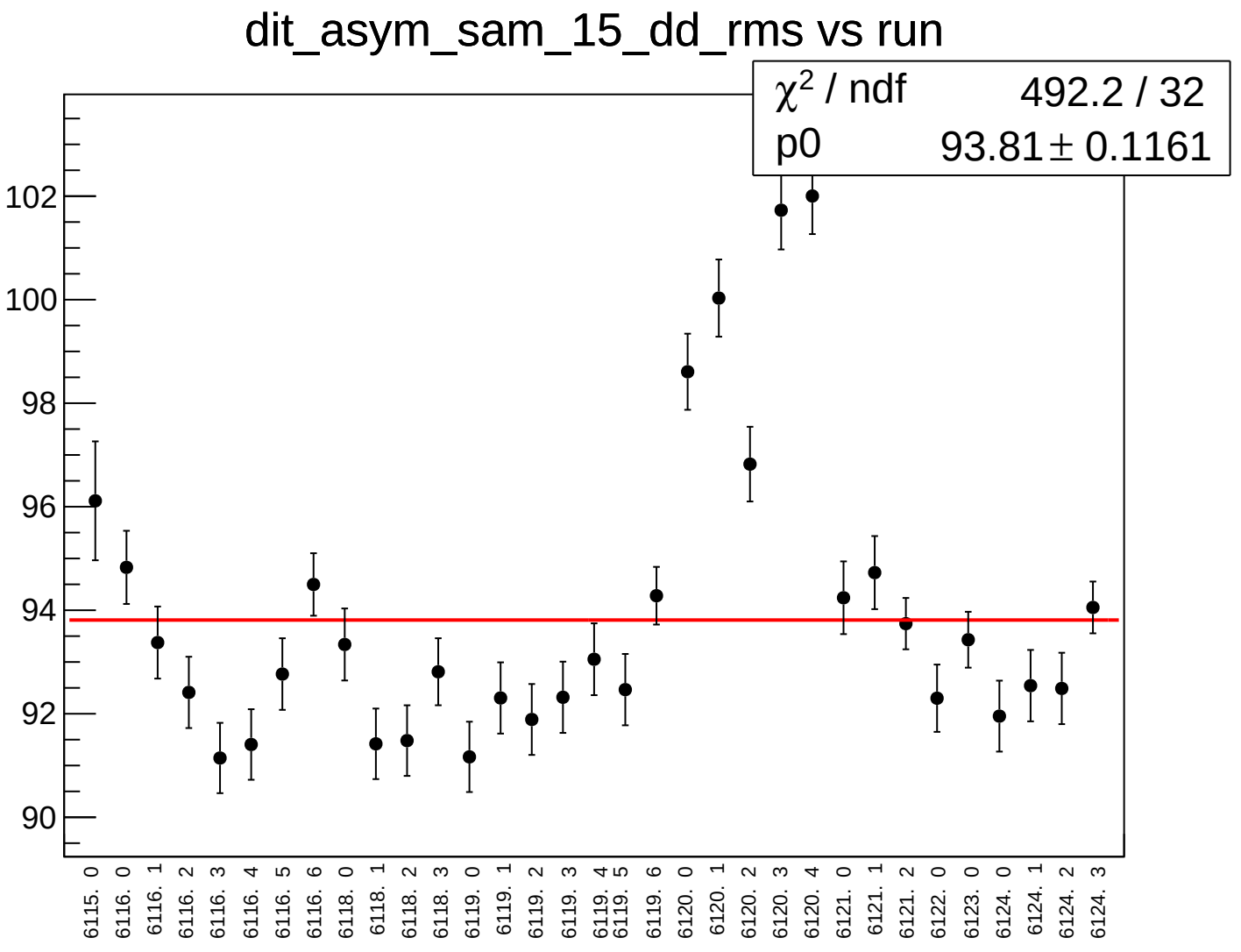

asym_sam_48_avg_correction_rms vs run
χ² / ndf 743.8 / 32
p0 1662 ± 2.058
1800
1750
1700
1650
1600
1550
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

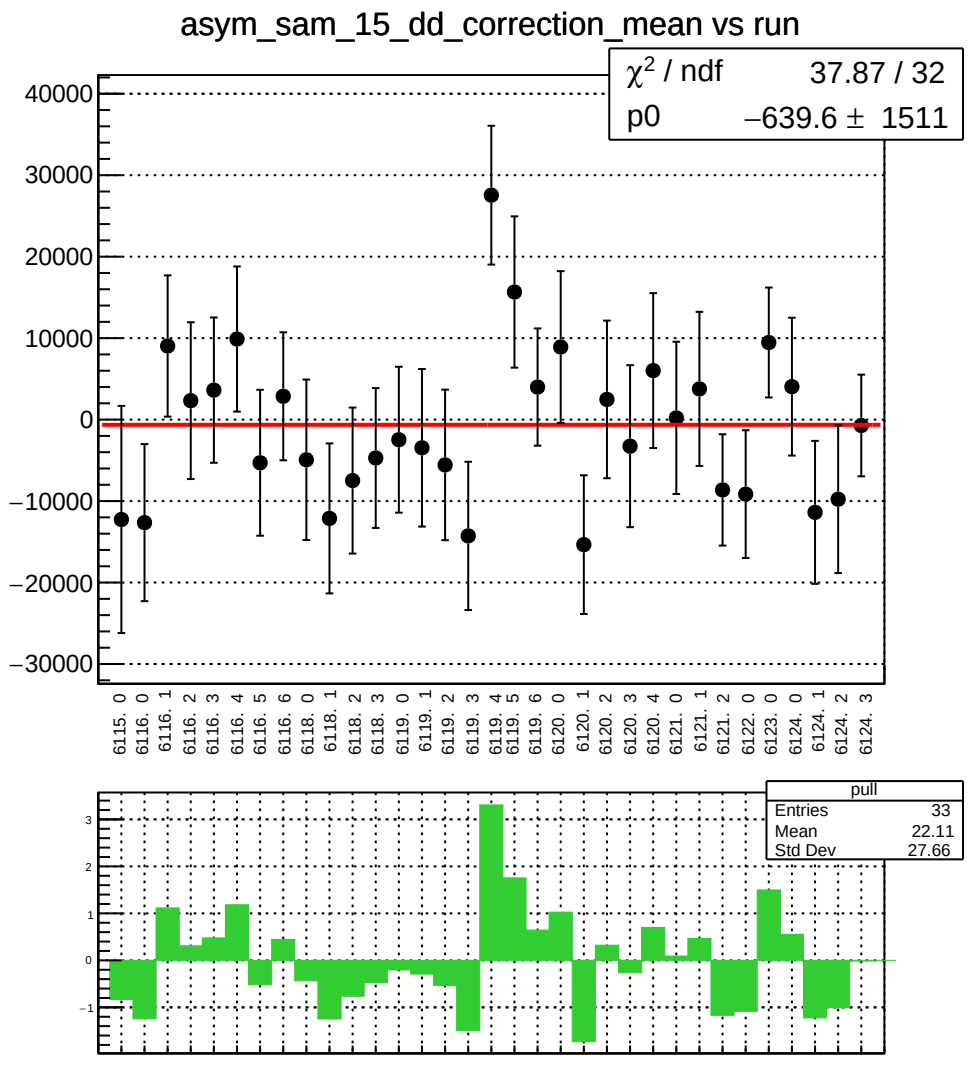

asym_sam_48_avg_mean vs run
χ² / ndf 27.68 / 32
p0 1787 ± 2906
60000
40000
20000
0
−20000
−40000
−60000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 1111
Std Dev 1097
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean −0.002265
Std Dev 0.9159
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

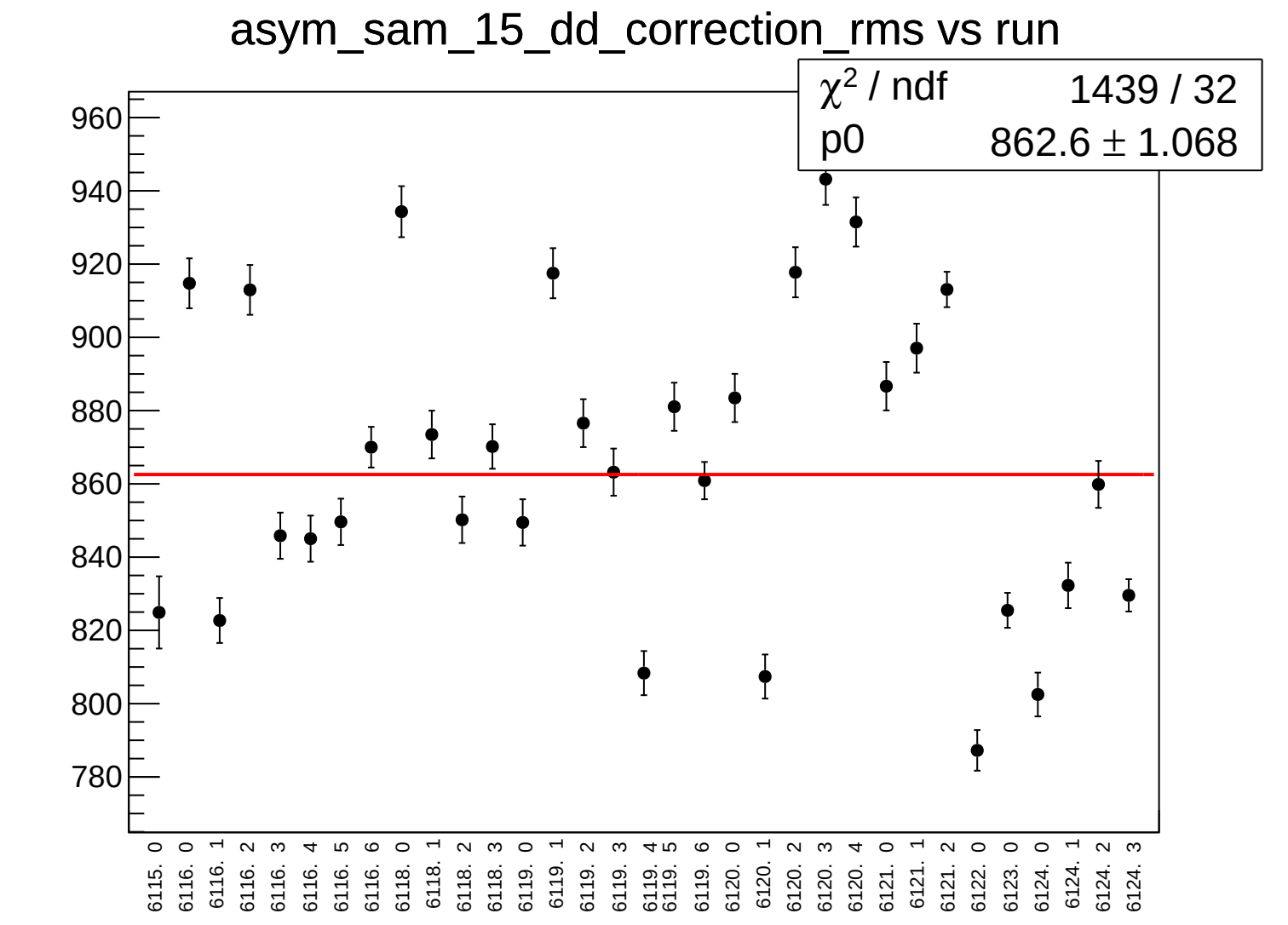

asym_sam_48_avg_rms vs run
χ² / ndf 821.2 / 32
p0 1660 ± 2.055
1800
1750
1700
1650
1600
1550
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

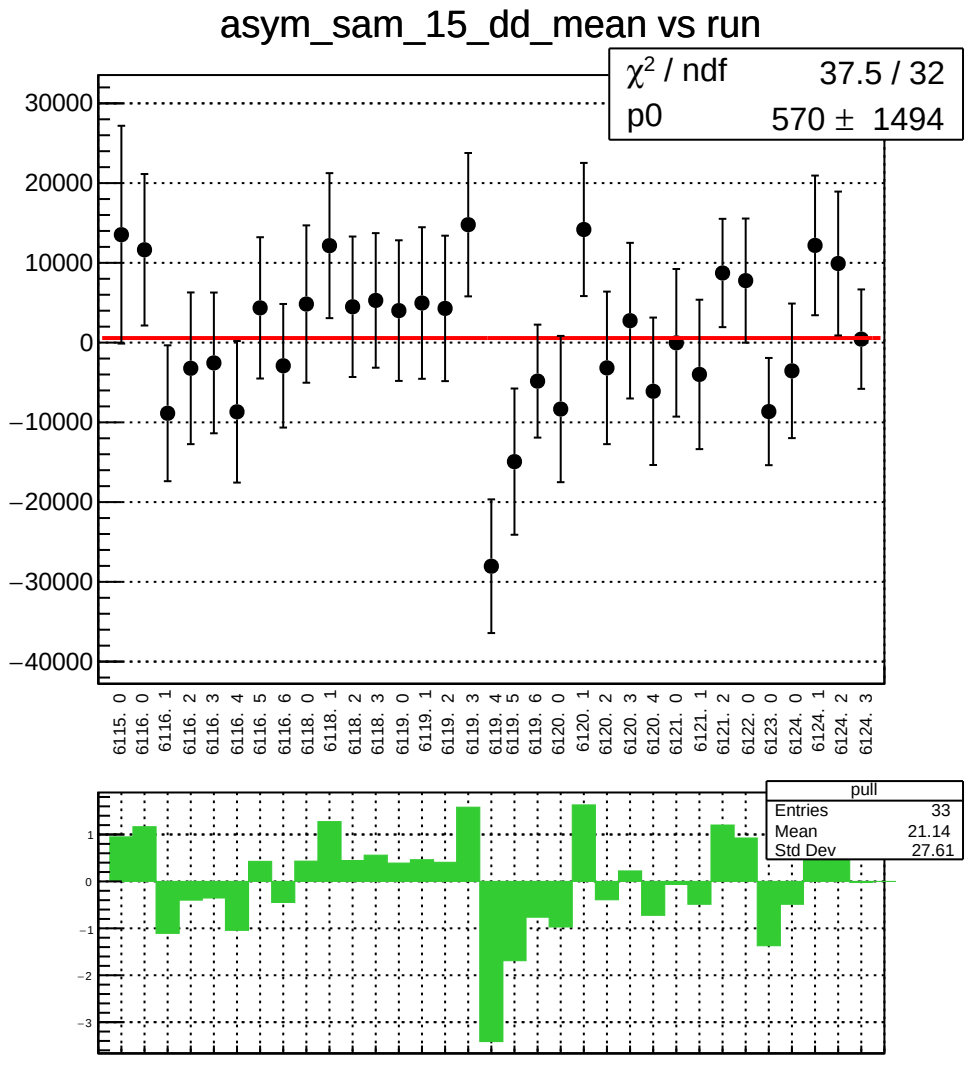

dit_asym_sam_15_dd_mean vs run
χ² / ndf 31.96 / 32
p0 −50.22 ± 164.2
3000
2000
1000
0
−1000
−2000
−3000
−4000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 34.83
Std Dev 34.86
1
0
−1
−2
−3

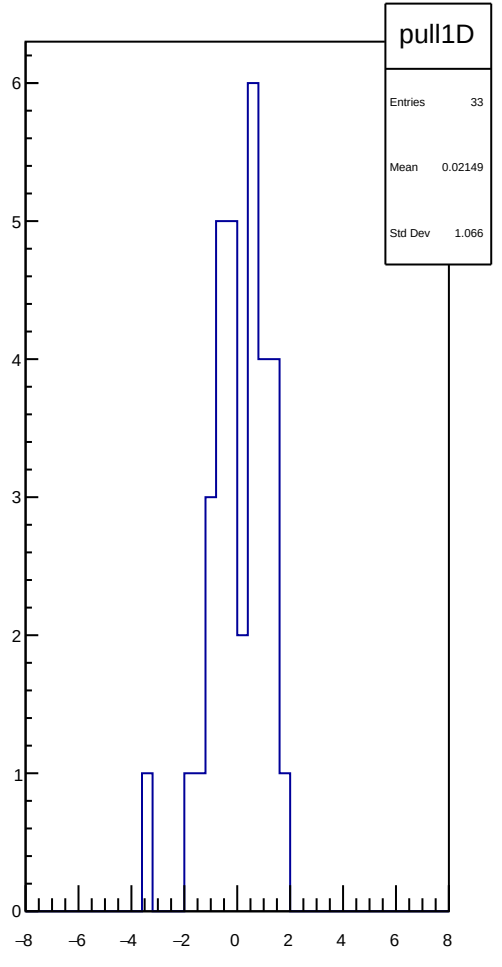

pull1D
Entries 33
Mean 0.005218
Std Dev 0.984
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

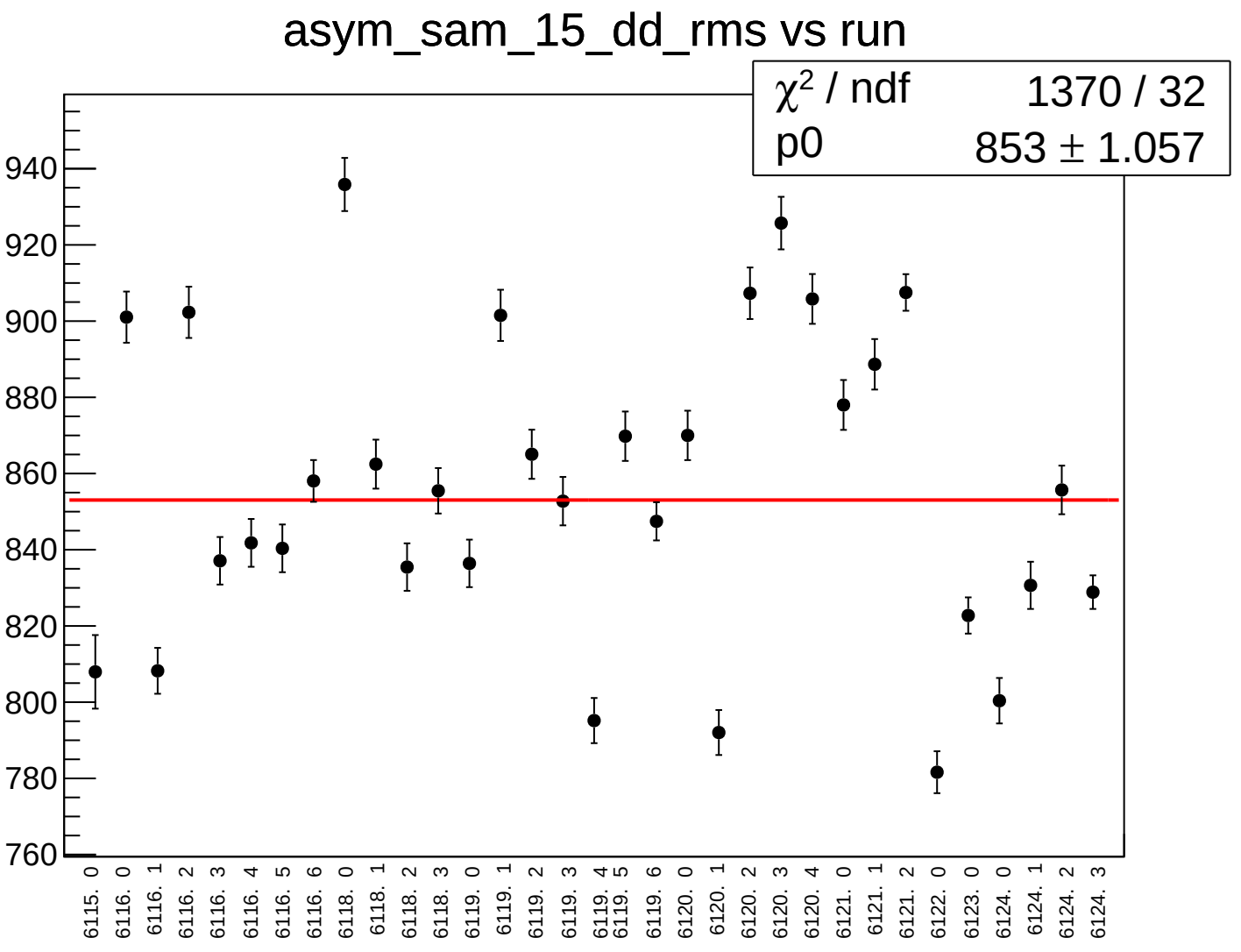

dit_asym_sam_15_dd_rms vs run
χ^2 / ndf 492.2 / 32
p0 93.81 ± 0.1161
102
100
98
96
94
92
90
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

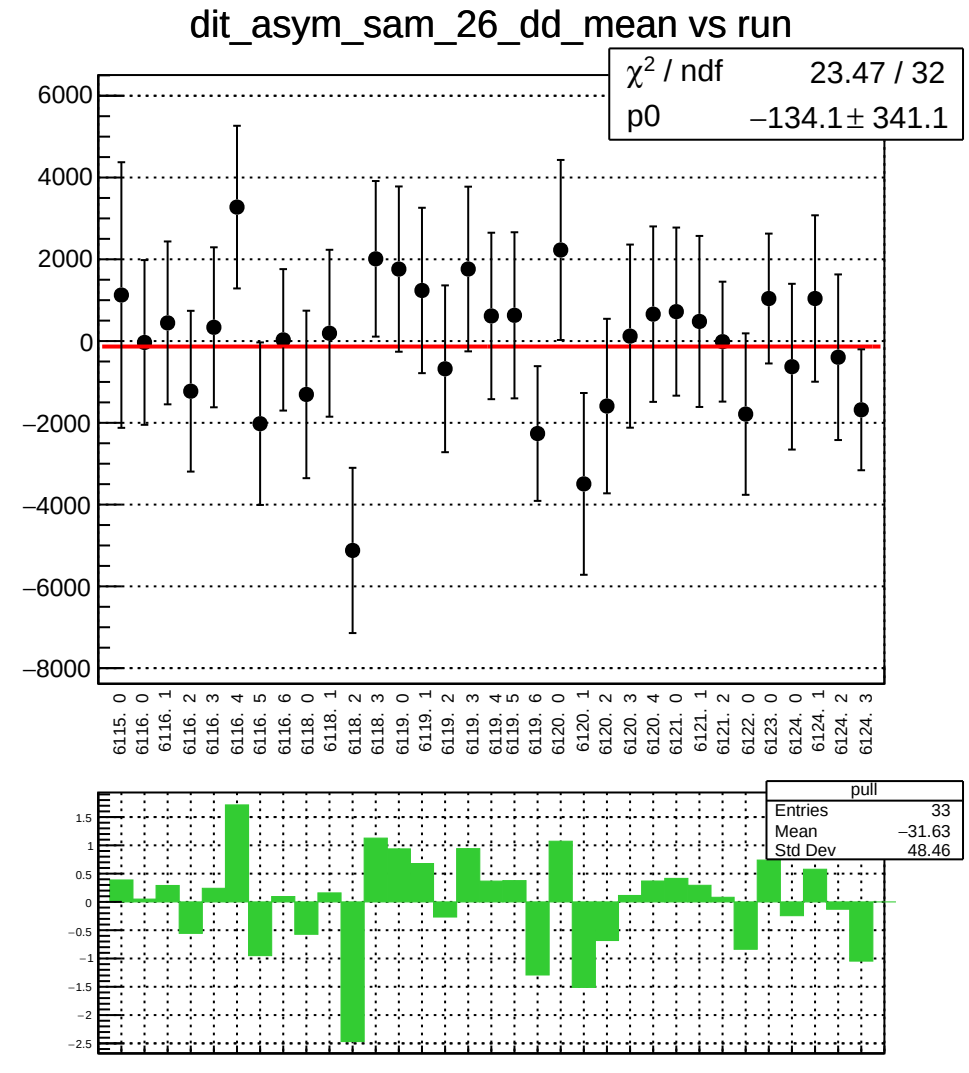

asym_sam_15_dd_correction_mean vs run
χ² / ndf 37.87 / 32
p0 −639.6 ± 1511
40000
30000
20000
10000
0
−10000
−20000
−30000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 22.11
Std Dev 27.66
3
2
1
0
−1
pull1D
Entries 33
Mean −0.01944
Std Dev 1.071
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

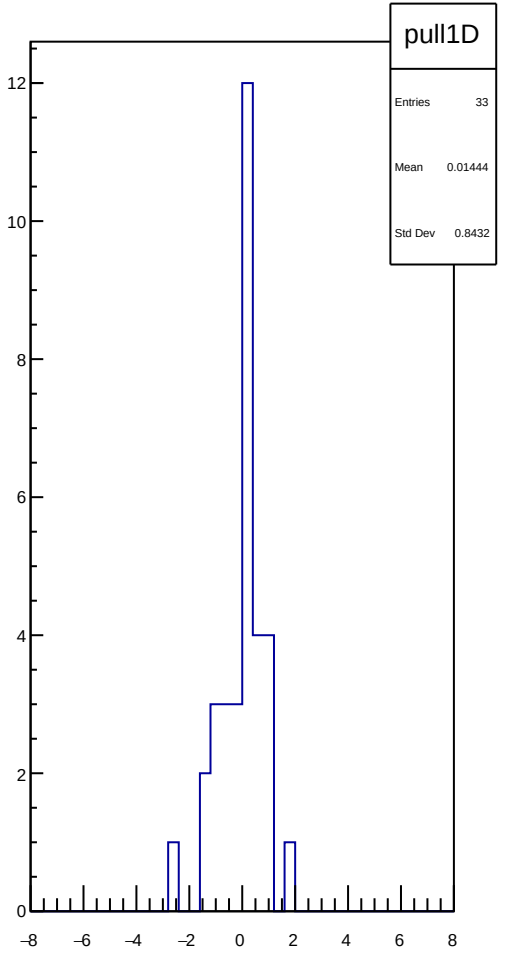

asym_sam_15_dd_correction_rms vs run
χ² / ndf 1439 / 32
p0 862.6 ± 1.068
960
940
920
900
880
860
840
820
800
780
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

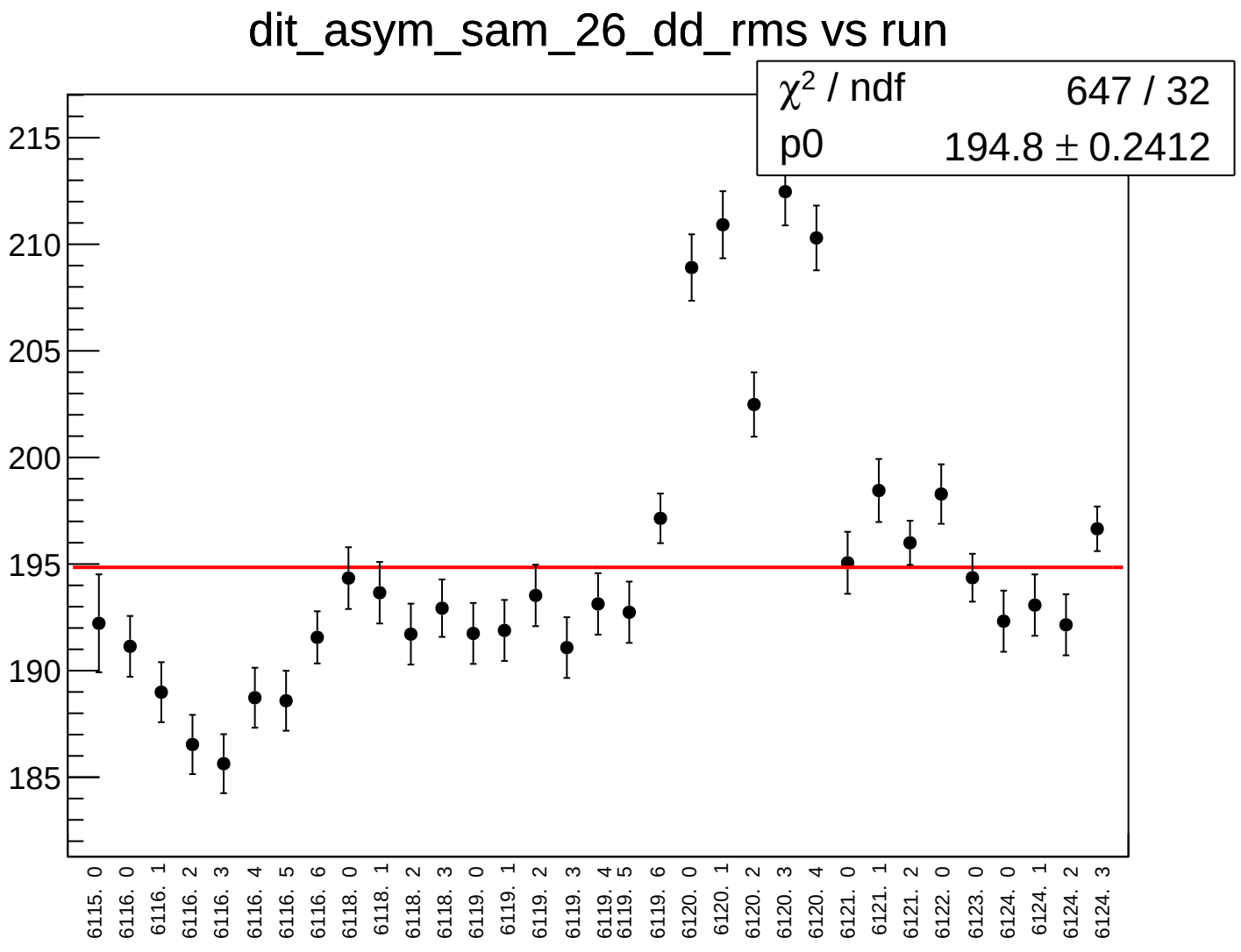

asym_sam_15_dd_mean vs run
χ² / ndf 37.5 / 32
p0 570 ± 1494
30000
20000
10000
0
−10000
−20000
−30000
−40000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 21.14
Std Dev 27.61
1
0
−1
−2
−3

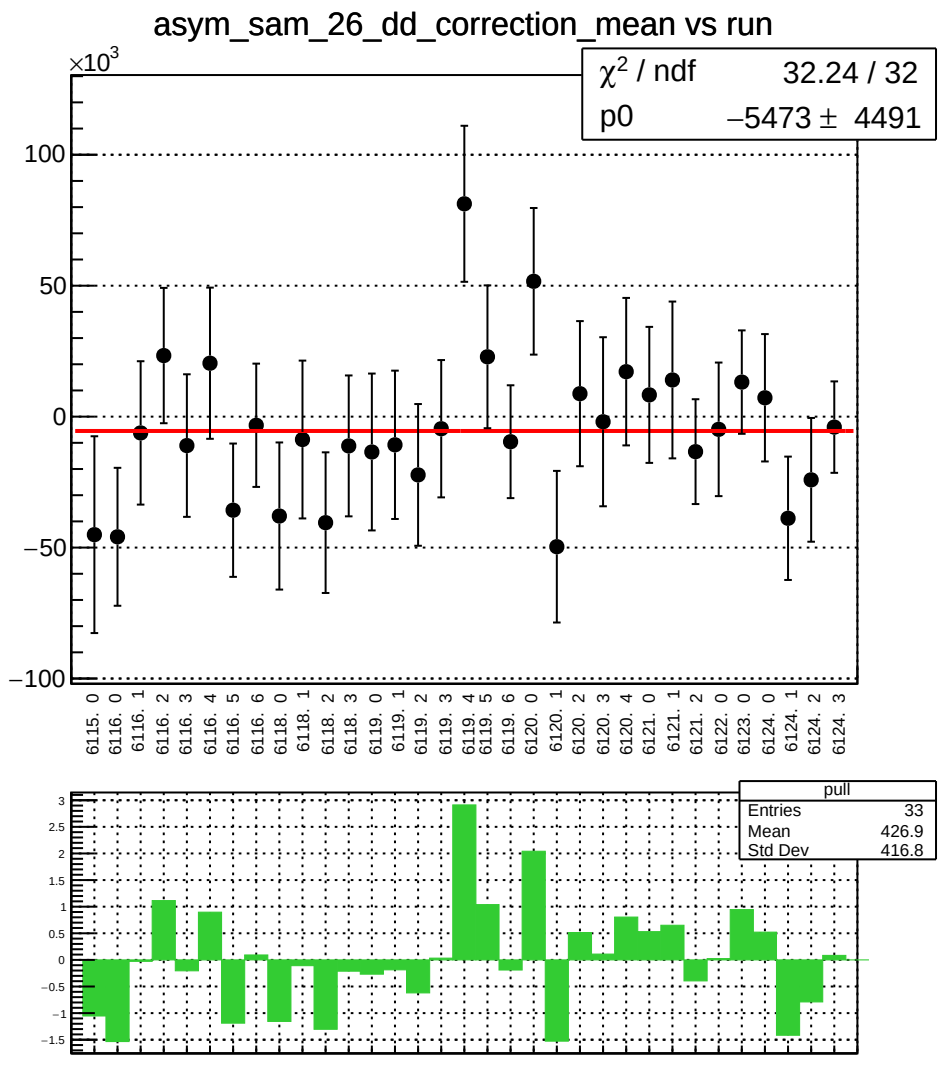

pull1D
Entries 33
Mean 0.02149
Std Dev 1.066
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

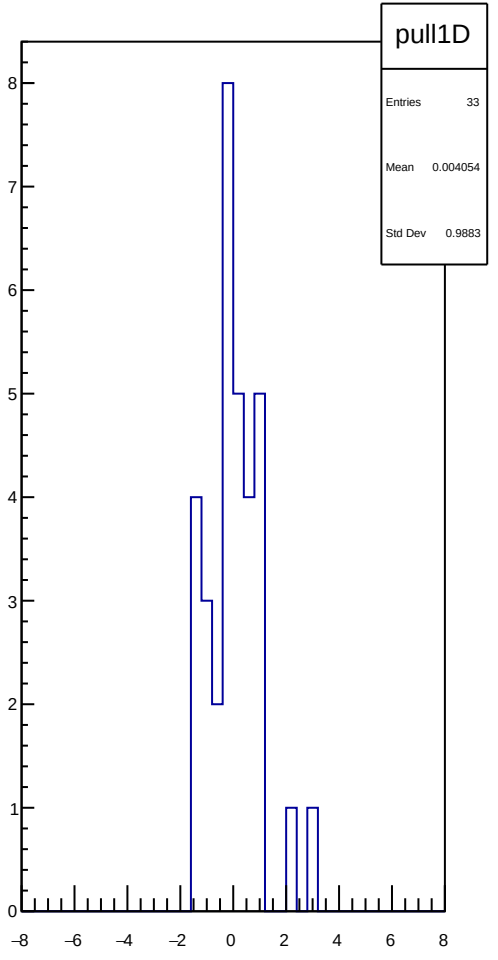

asym_sam_15_dd_rms vs run
χ² / ndf 1370 / 32
p0 853 ± 1.057
940
920
900
880
860
840
820
800
780
760
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

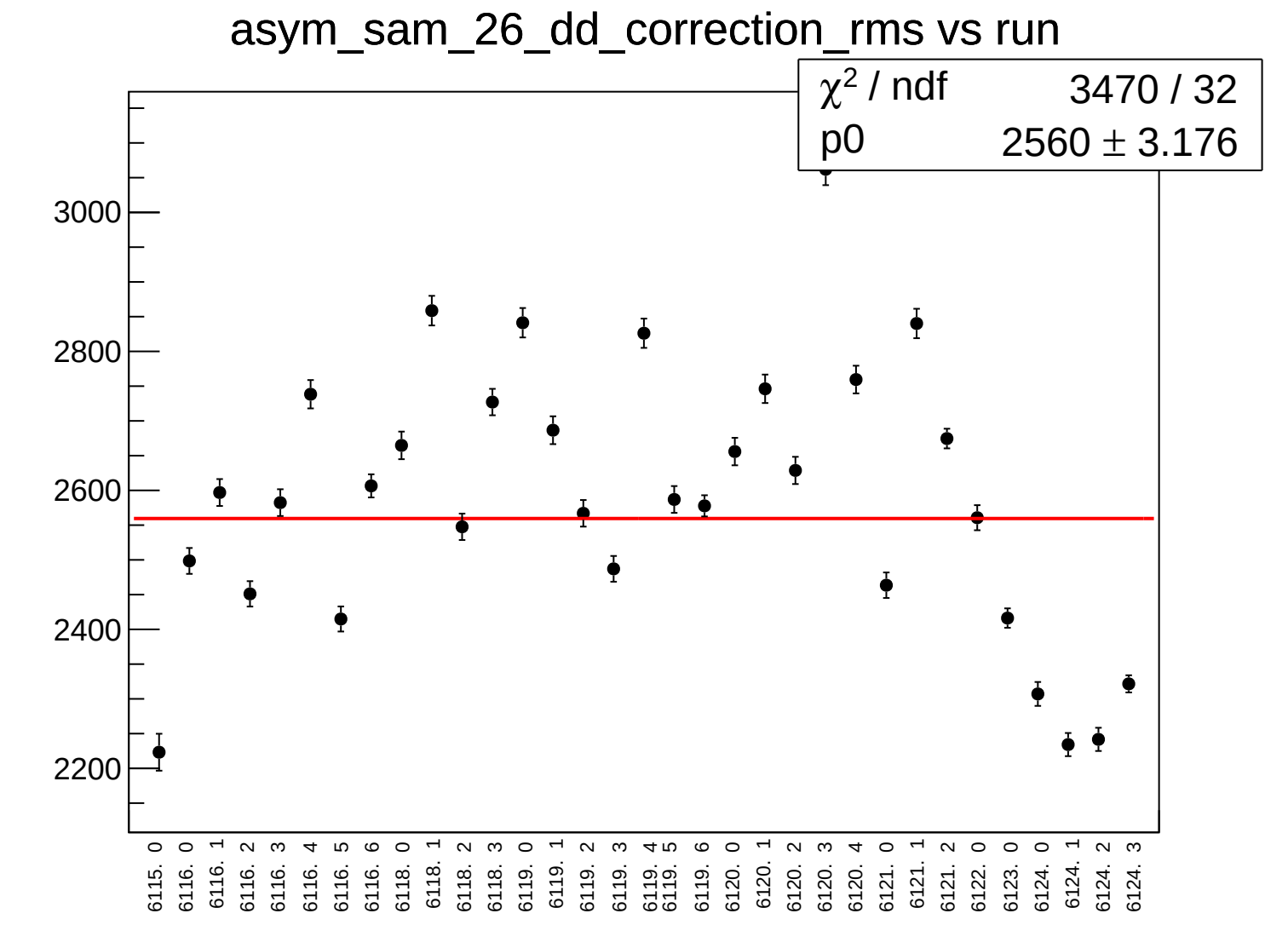

dit_asym_sam_26_dd_mean vs run
χ² / ndf 23.47 / 32
p0 −134.1 ± 341.1
6000
4000
2000
0
−2000
−4000
−6000
−8000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −31.63
Std Dev 48.46
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

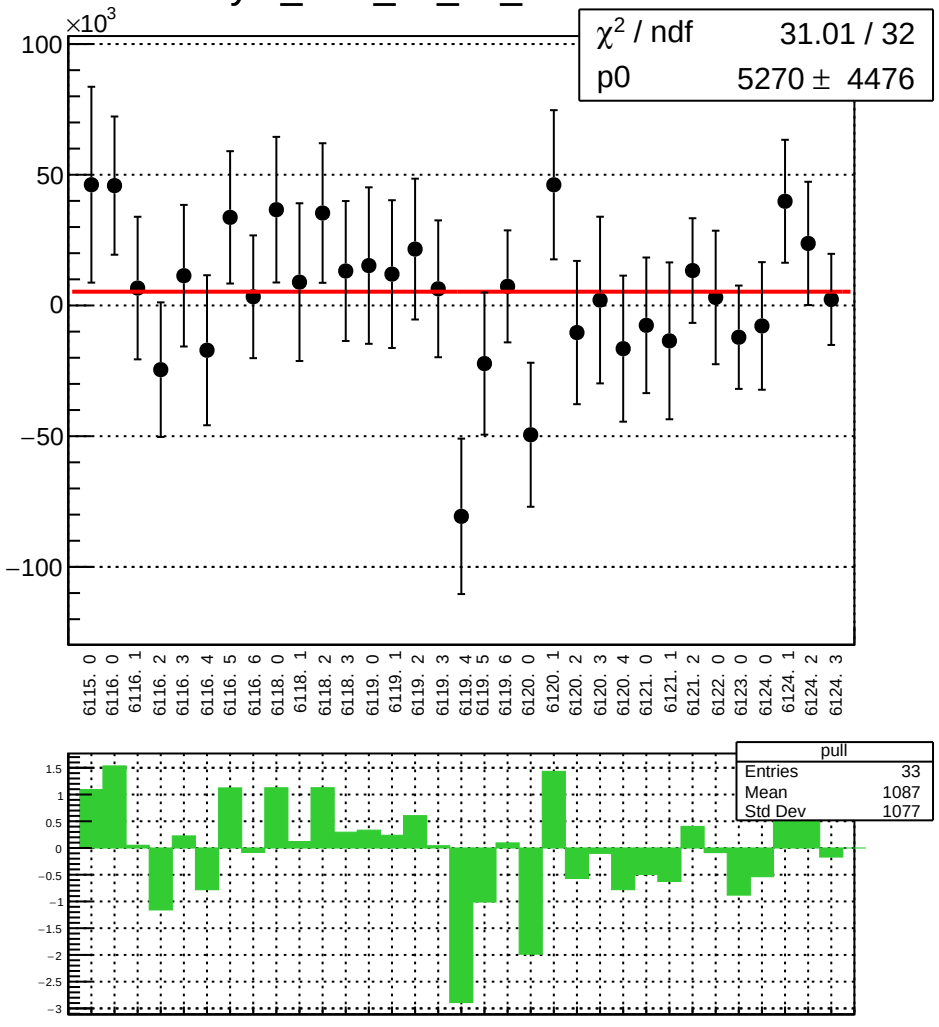

pull1D
Entries 33
Mean 0.01444
Std Dev 0.8432
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

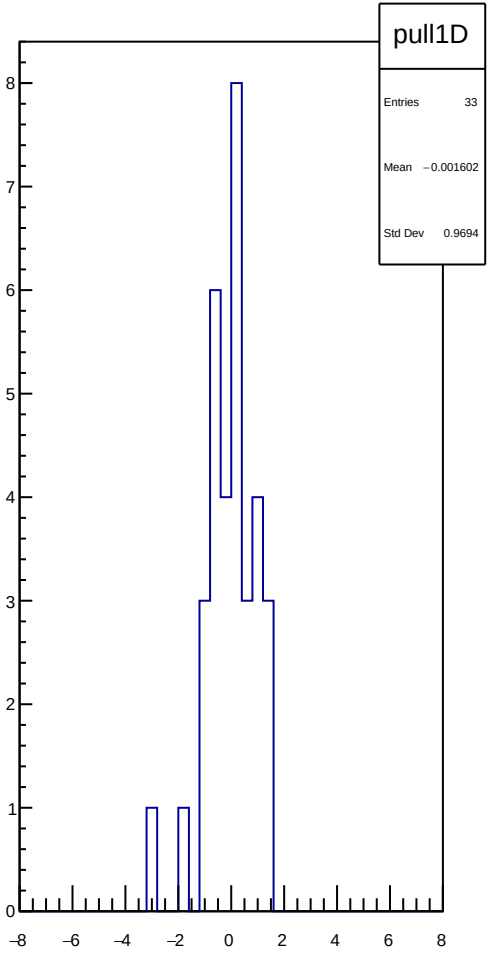

dit_asym_sam_26_dd_rms vs run
χ² / ndf 647 / 32
p0 194.8 ± 0.2412
215
210
205
200
195
190
185
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

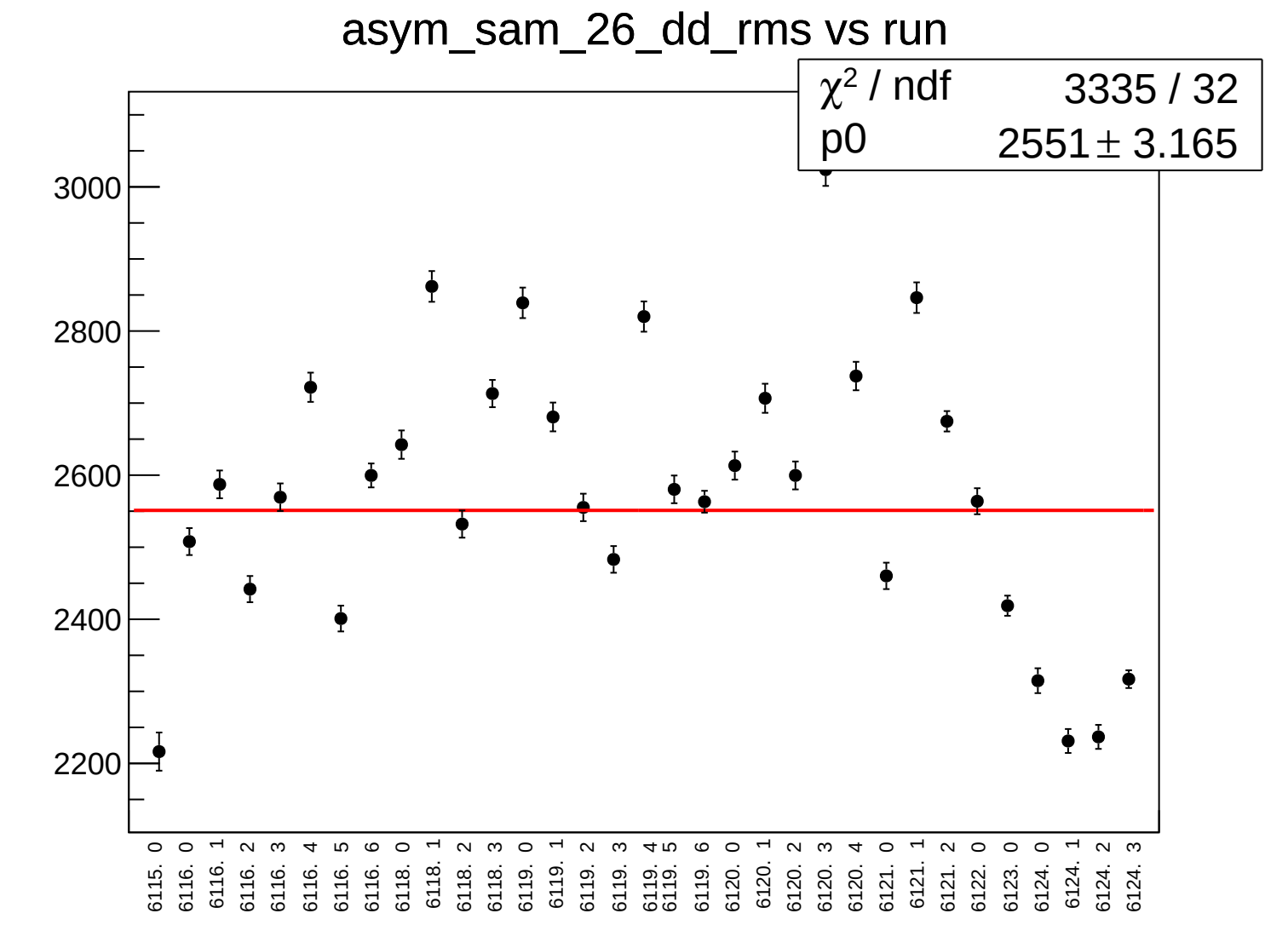

asym_sam_26_dd_correction_mean vs run
×10^3
χ^2 / ndf 32.24 / 32
p0 −5473 ± 4491
100
50
0
−50
−100
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 426.9
Std Dev 416.8
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

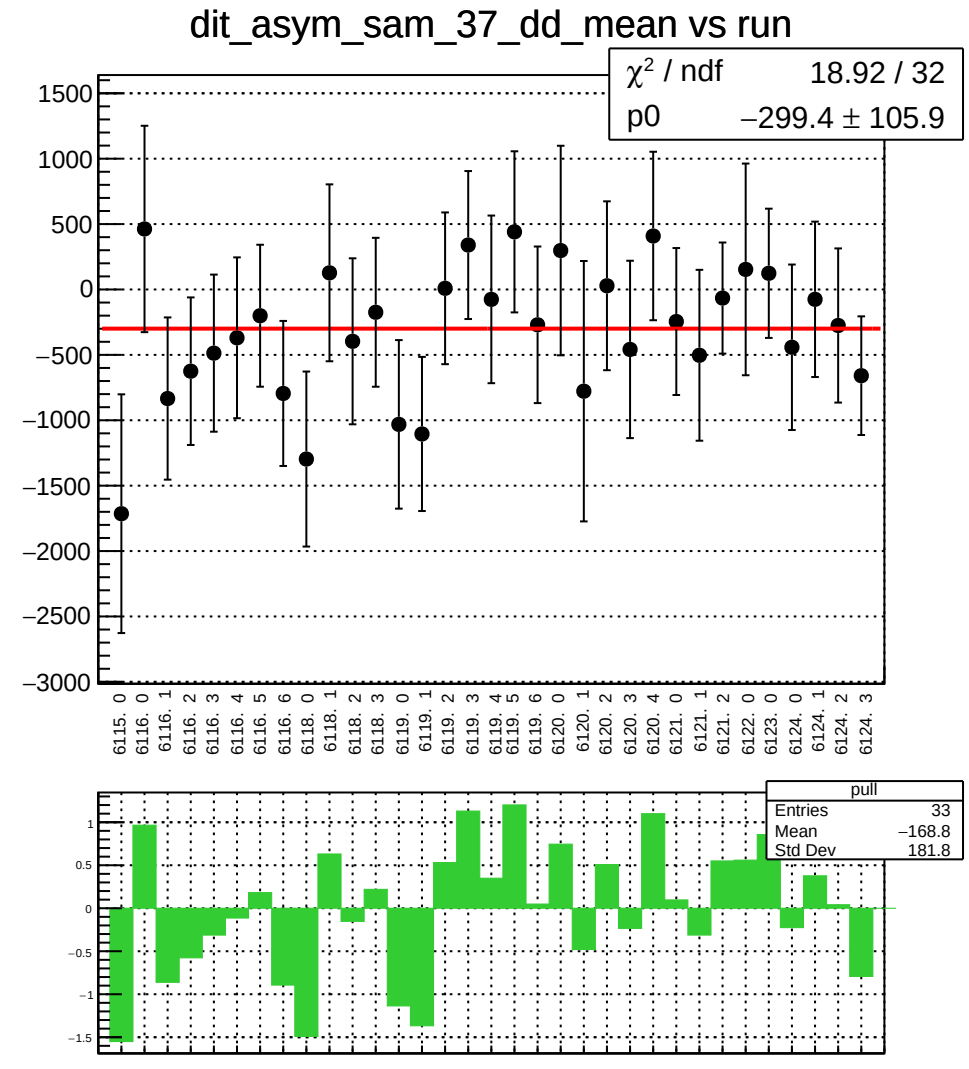

pull1D
Entries 33
Mean 0.004054
Std Dev 0.9883
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

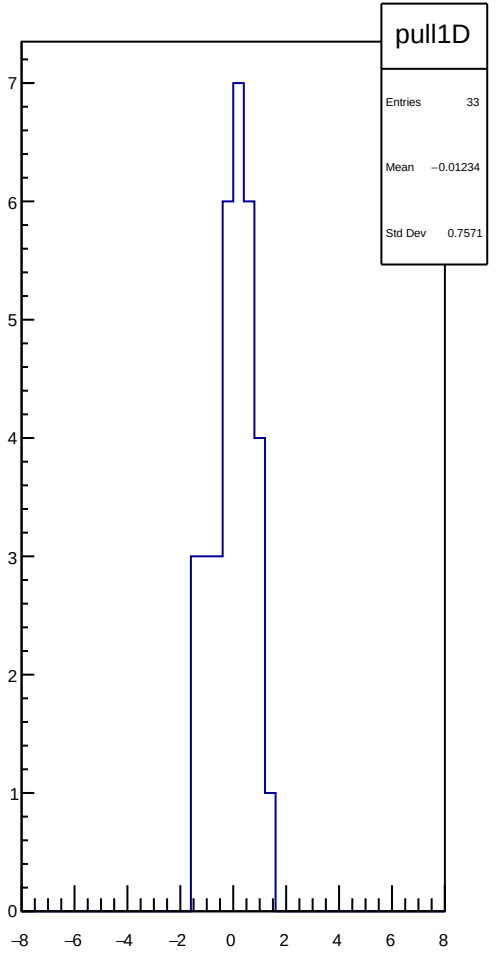

asym_sam_26_dd_correction_rms vs run
χ² / ndf 3470 / 32
p0 2560 ± 3.176
3000
2800
2600
2400
2200
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

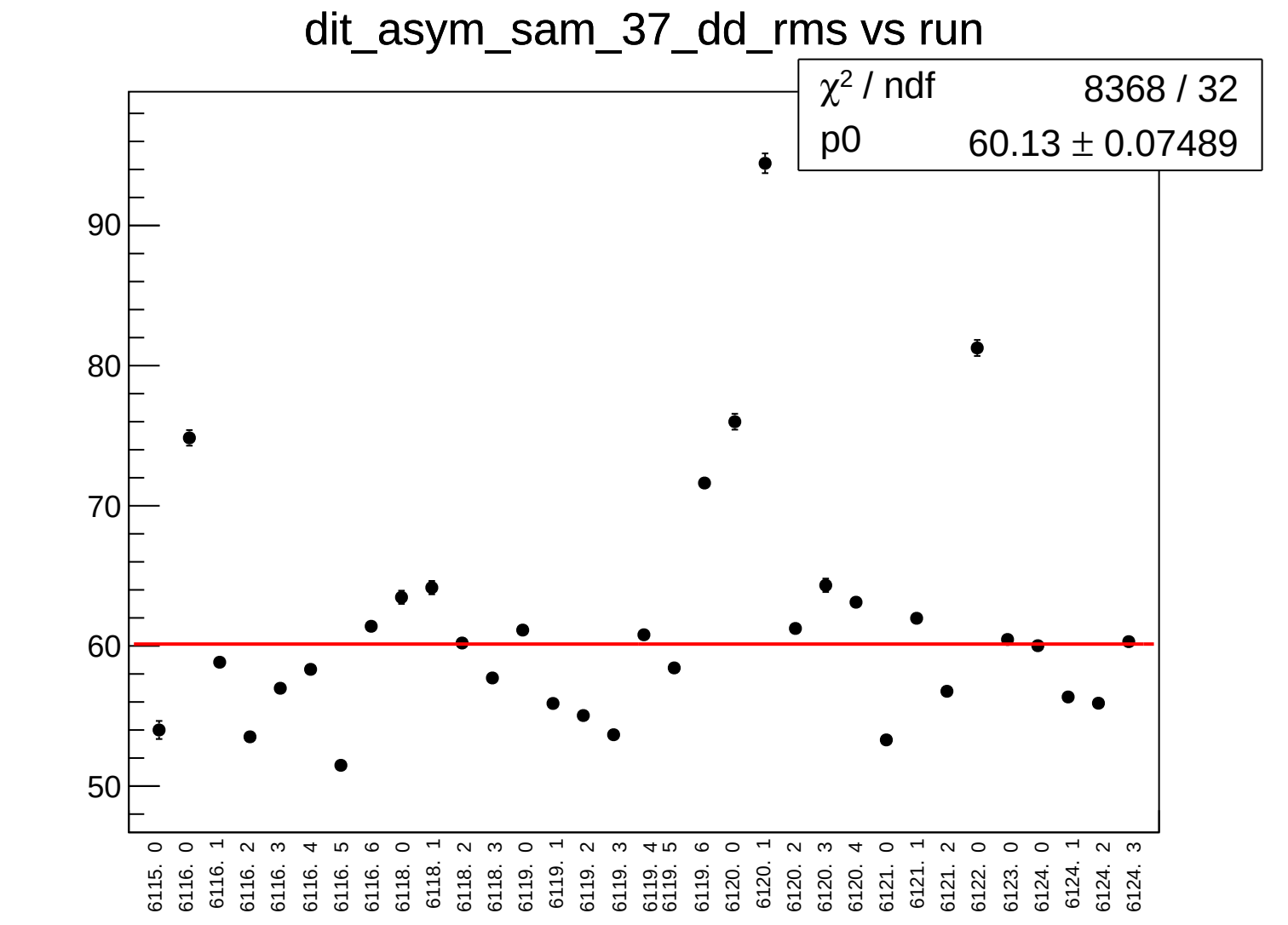

asym_sam_26_dd_mean vs run
×10^3
χ^2 / ndf 31.01 / 32
p0 5270 ± 4476
100
50
0
−50
−100
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 1087
Std Dev 1077
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

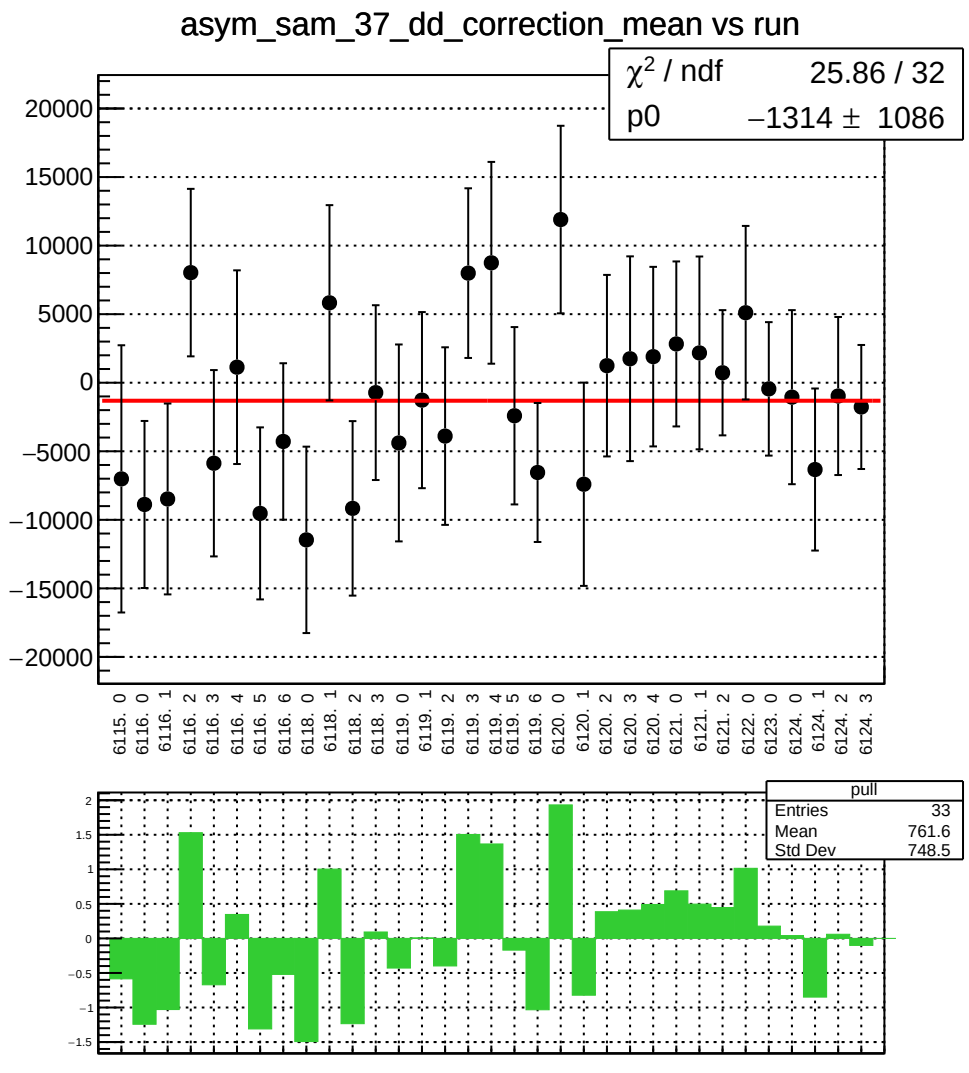

pull1D
Entries 33
Mean −0.001602
Std Dev 0.9694
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

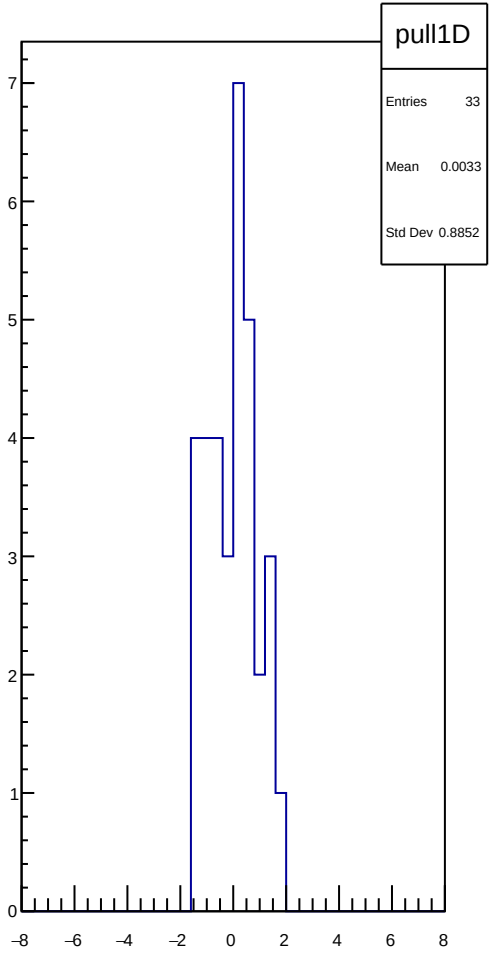

asym_sam_26_dd_rms vs run
χ² / ndf 3335 / 32
p0 2551 ± 3.165
3000
2800
2600
2400
2200
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

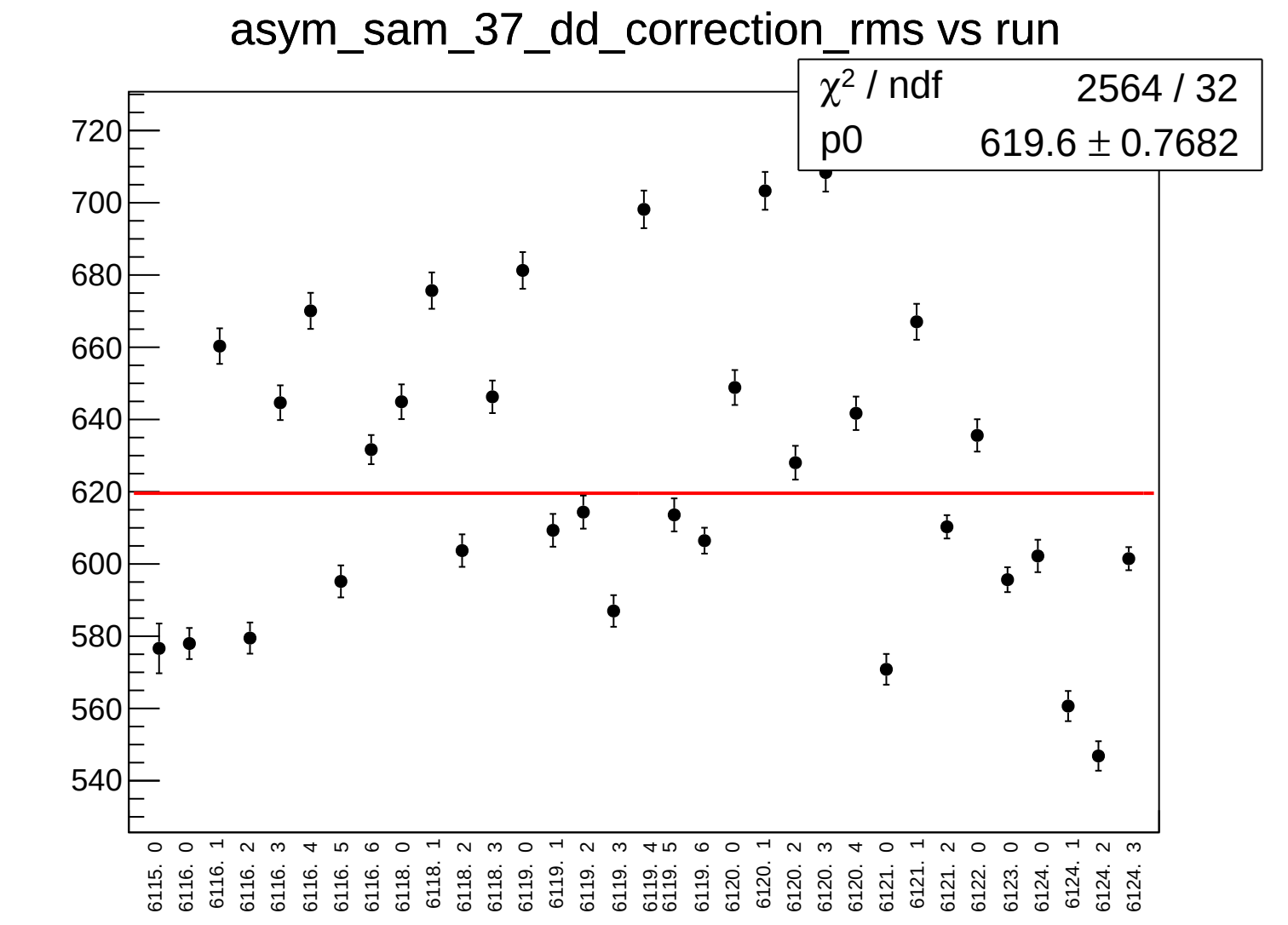

dit_asym_sam_37_dd_mean vs run
χ² / ndf 18.92 / 32
p0 −299.4 ± 105.9
1500
1000
500
0
−500
−1000
−1500
−2000
−2500
−3000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −168.8
Std Dev 181.8
1
0.5
0
−0.5
−1
−1.5

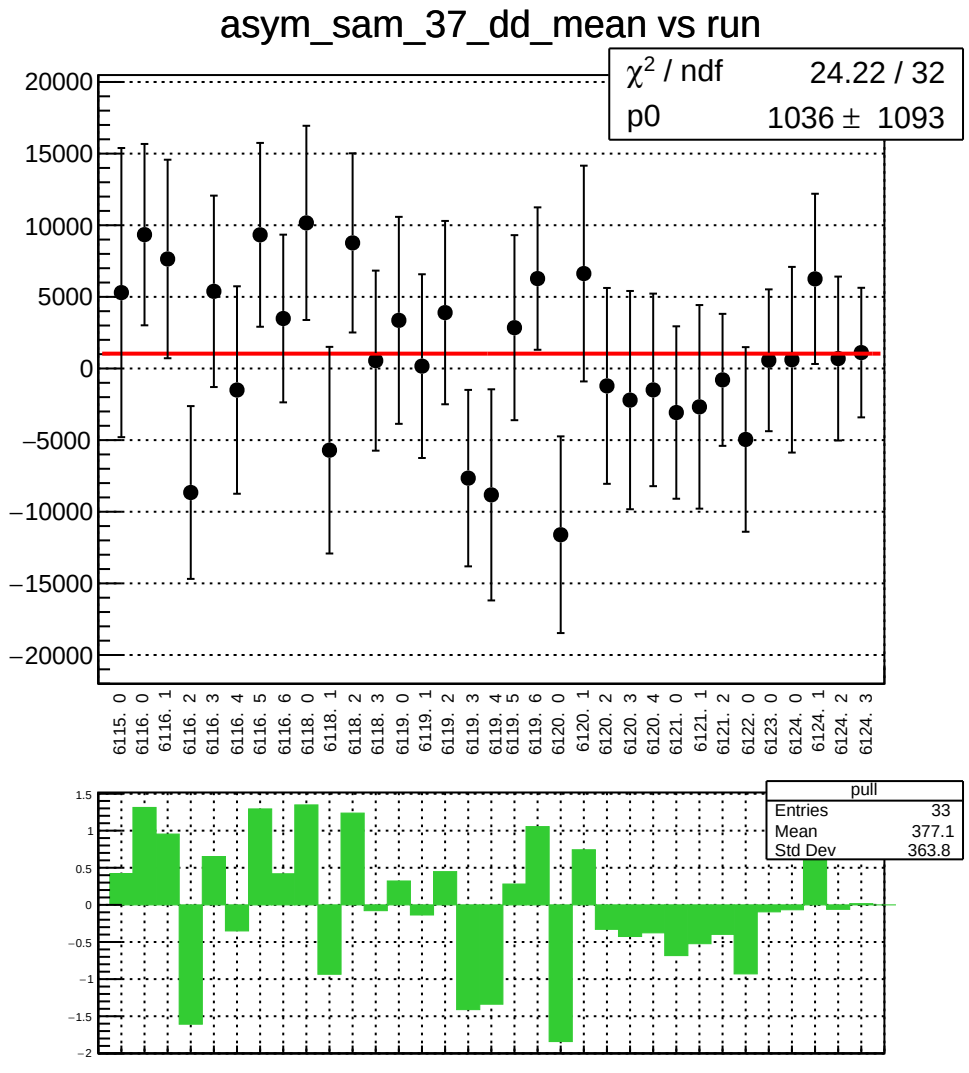

pull1D
Entries 33
Mean −0.01234
Std Dev 0.7571
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

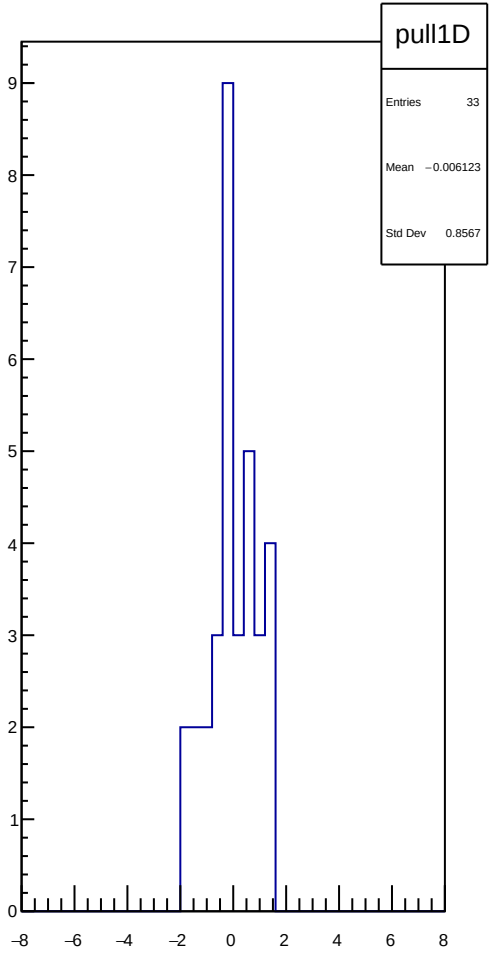

dit_asym_sam_37_dd_rms vs run
χ² / ndf 8368 / 32
p0 60.13 ± 0.07489
90
80
70
60
50
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

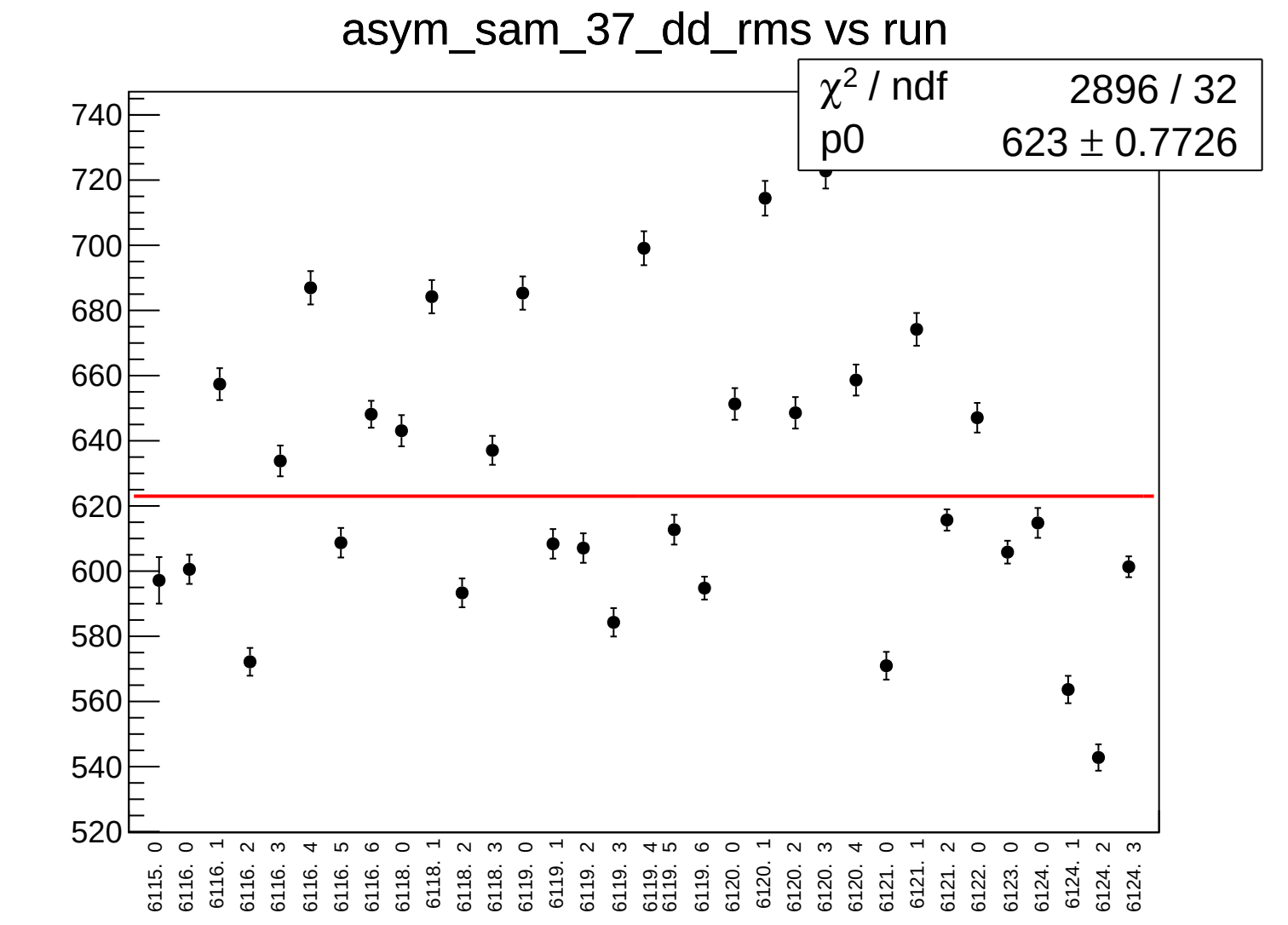

asym_sam_37_dd_correction_mean vs run
χ² / ndf 25.86 / 32
p0 −1314 ± 1086
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 761.6
Std Dev 748.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

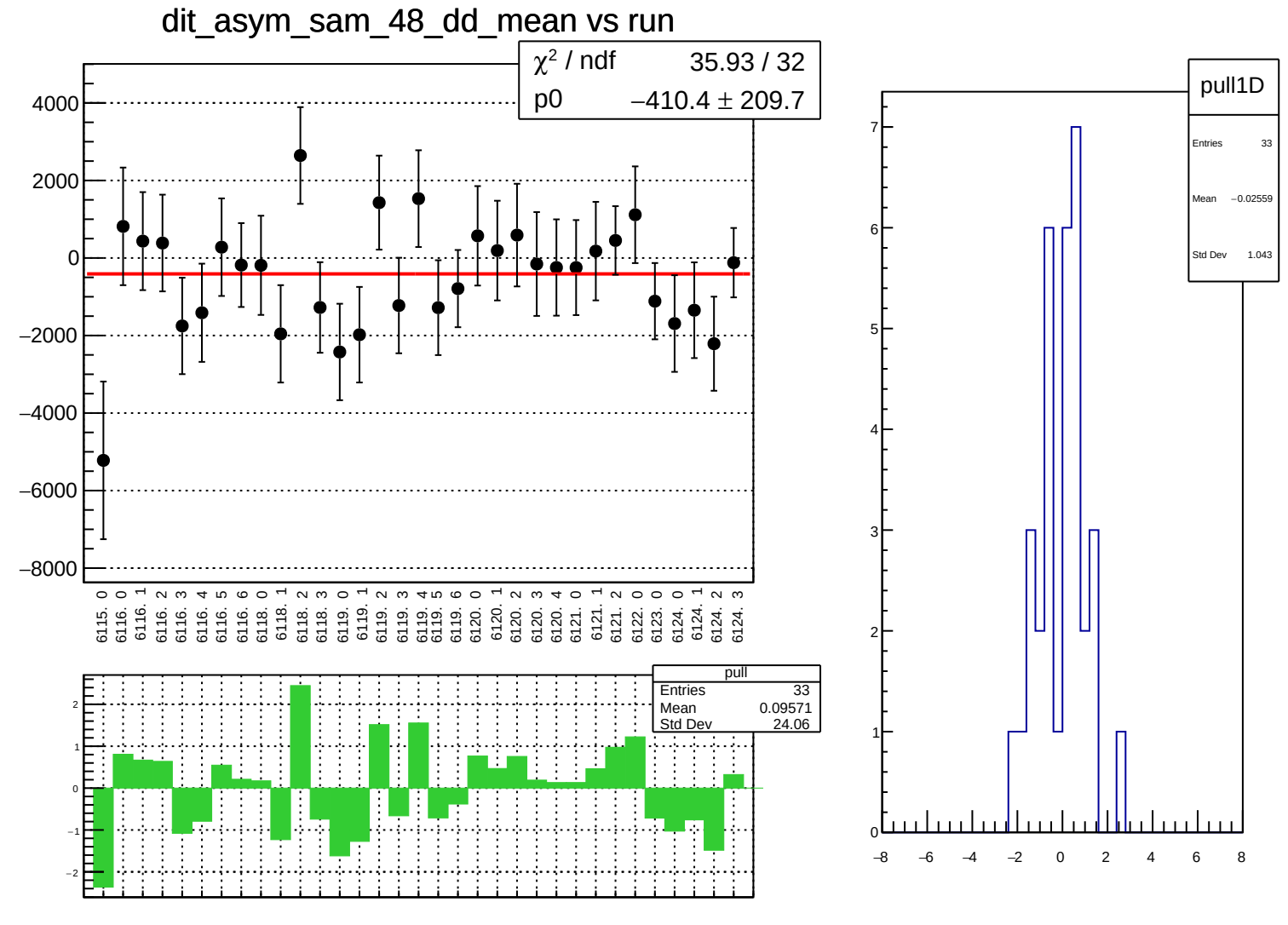

pull1D
Entries 33
Mean 0.0033
Std Dev 0.8852
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

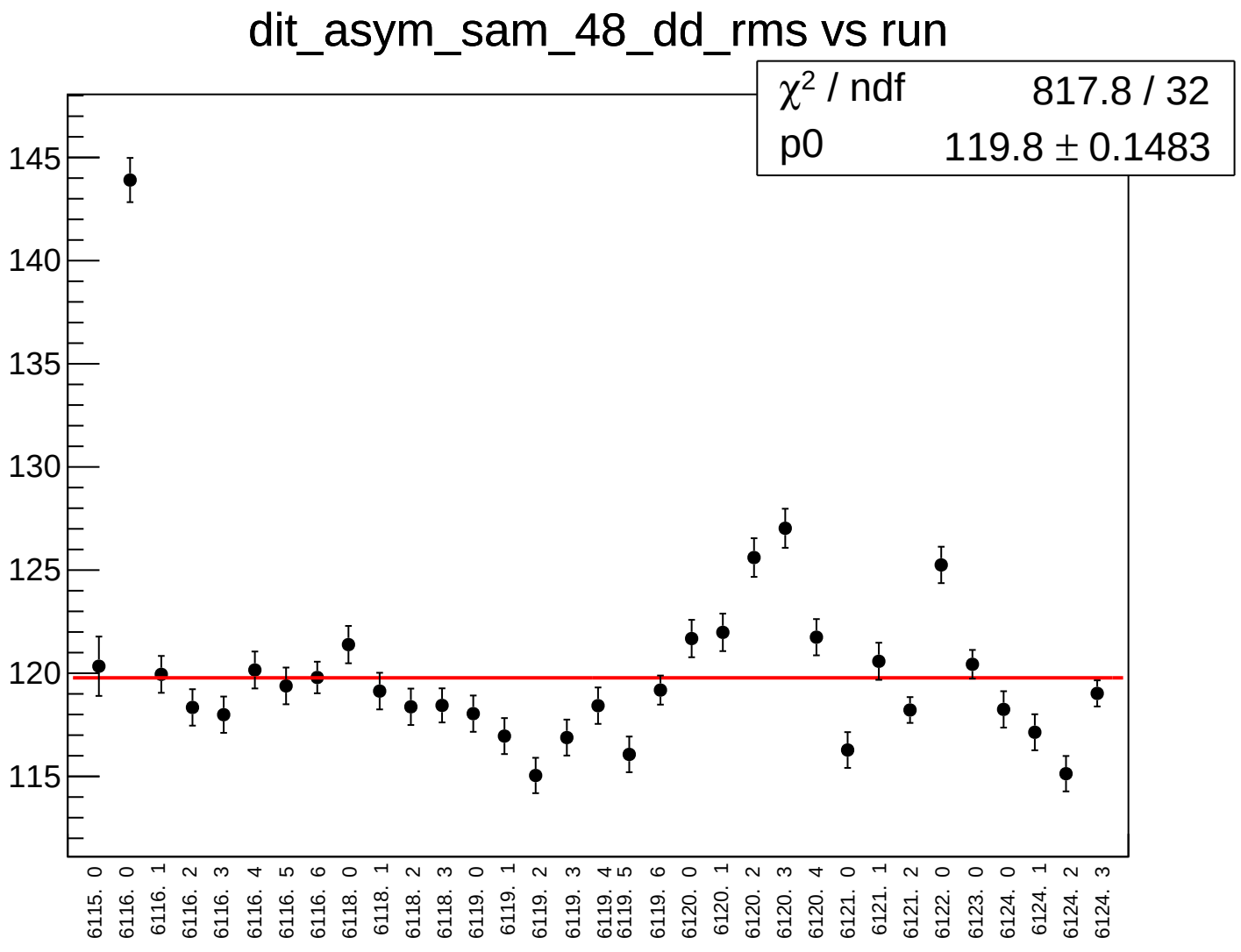

asym_sam_37_dd_correction_rms vs run
χ² / ndf 2564 / 32
p0 619.6 ± 0.7682
720
700
680
660
640
620
600
580
560
540
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

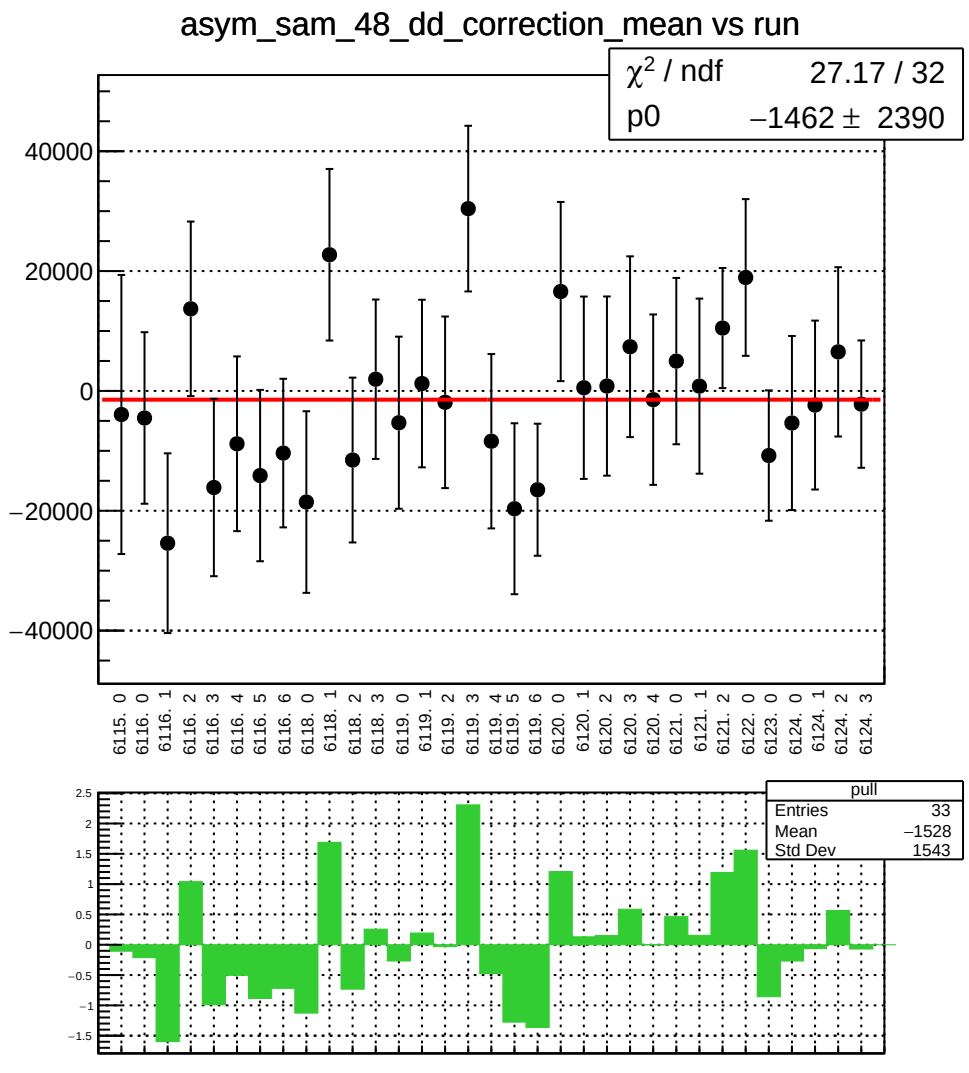

asym_sam_37_dd_mean vs run
χ² / ndf 24.22 / 32
p0 1036 ± 1093
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 377.1
Std Dev 363.8
1.5
1
0.5
0
−0.5
−1
−1.5
−2

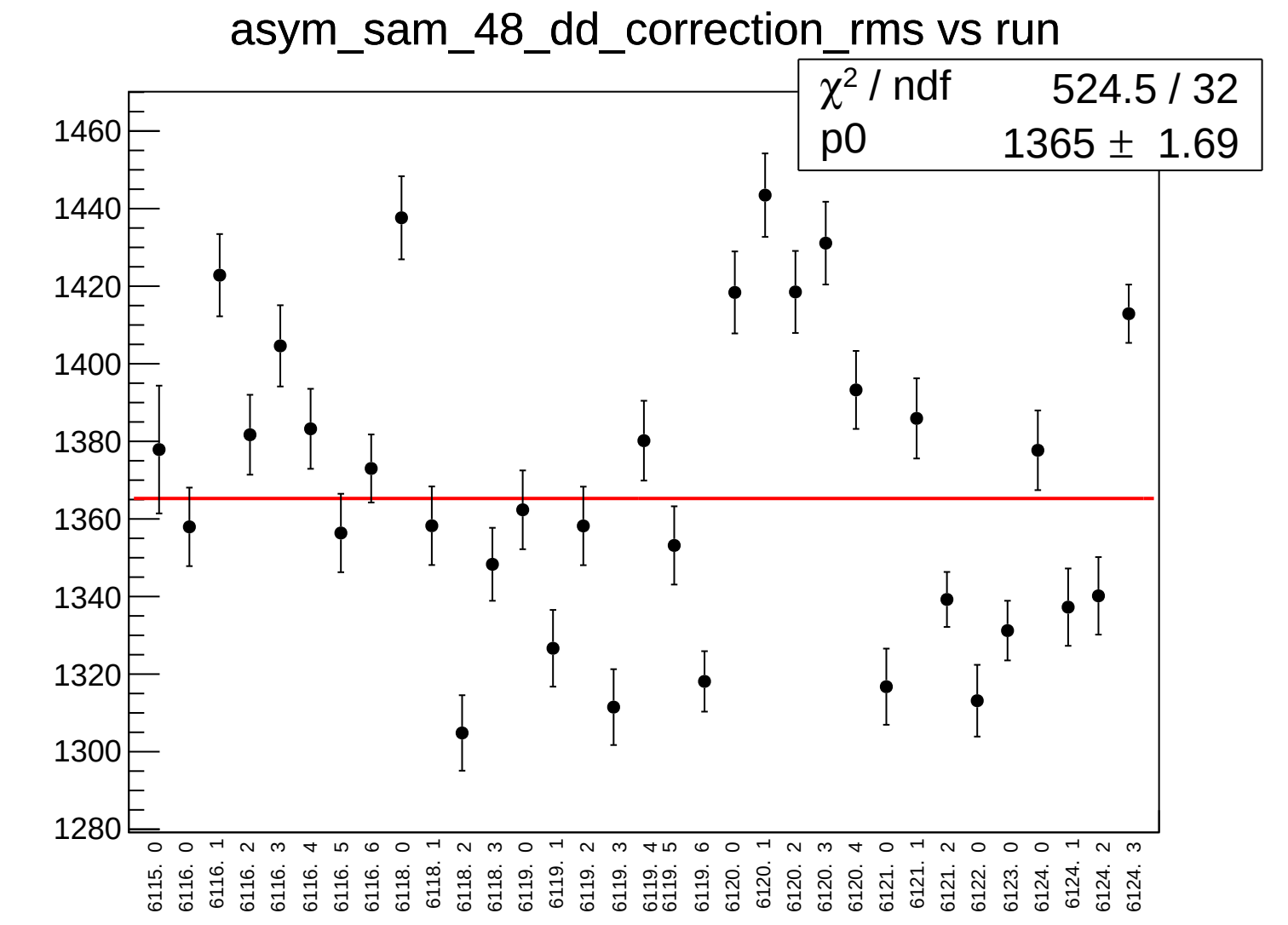

pull1D
Entries 33
Mean −0.006123
Std Dev 0.8567
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

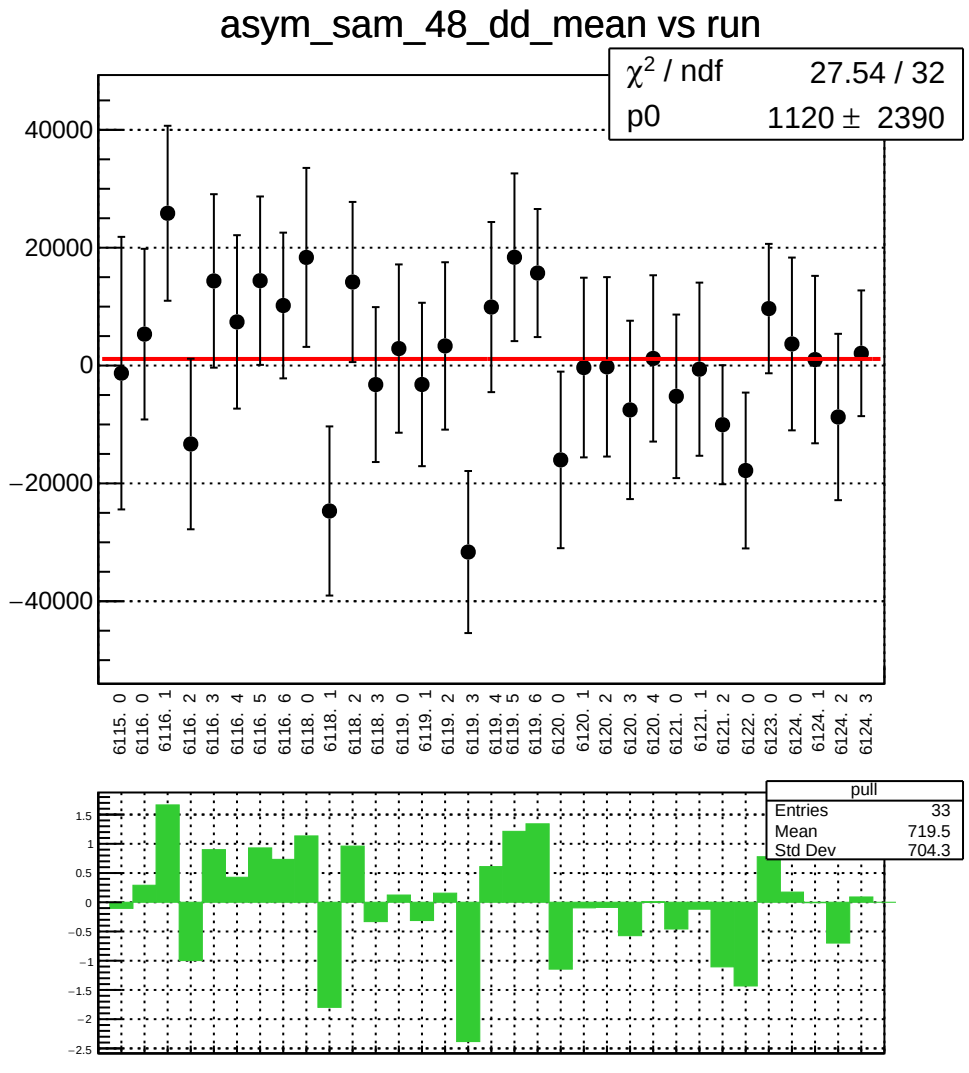

asym_sam_37_dd_rms vs run
χ² / ndf 2896 / 32
p0 623 ± 0.7726
740
720
700
680
660
640
620
600
580
560
540
520
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

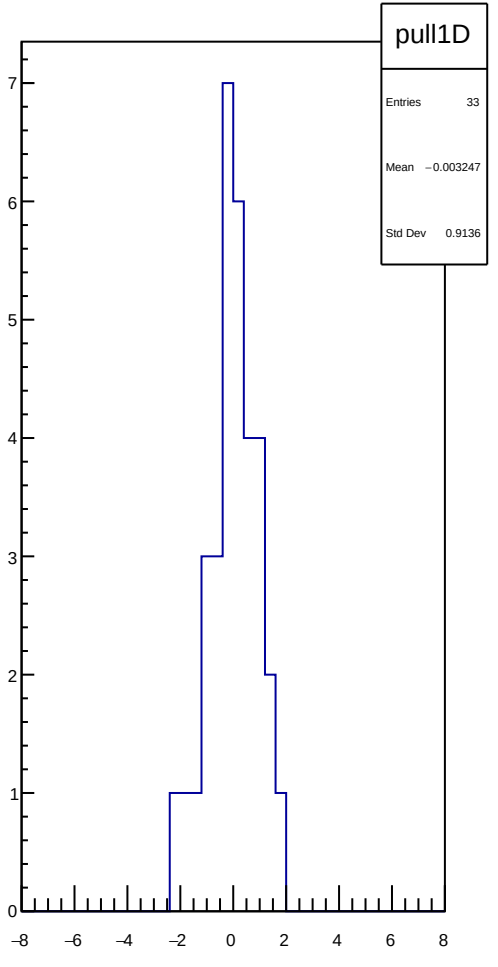

dit_asym_sam_48_dd_mean vs run
χ² / ndf 35.93 / 32
p0 −410.4 ± 209.7
4000
2000
0
−2000
−4000
−6000
−8000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 0.09571
Std Dev 24.06
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.02559
Std Dev 1.043
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

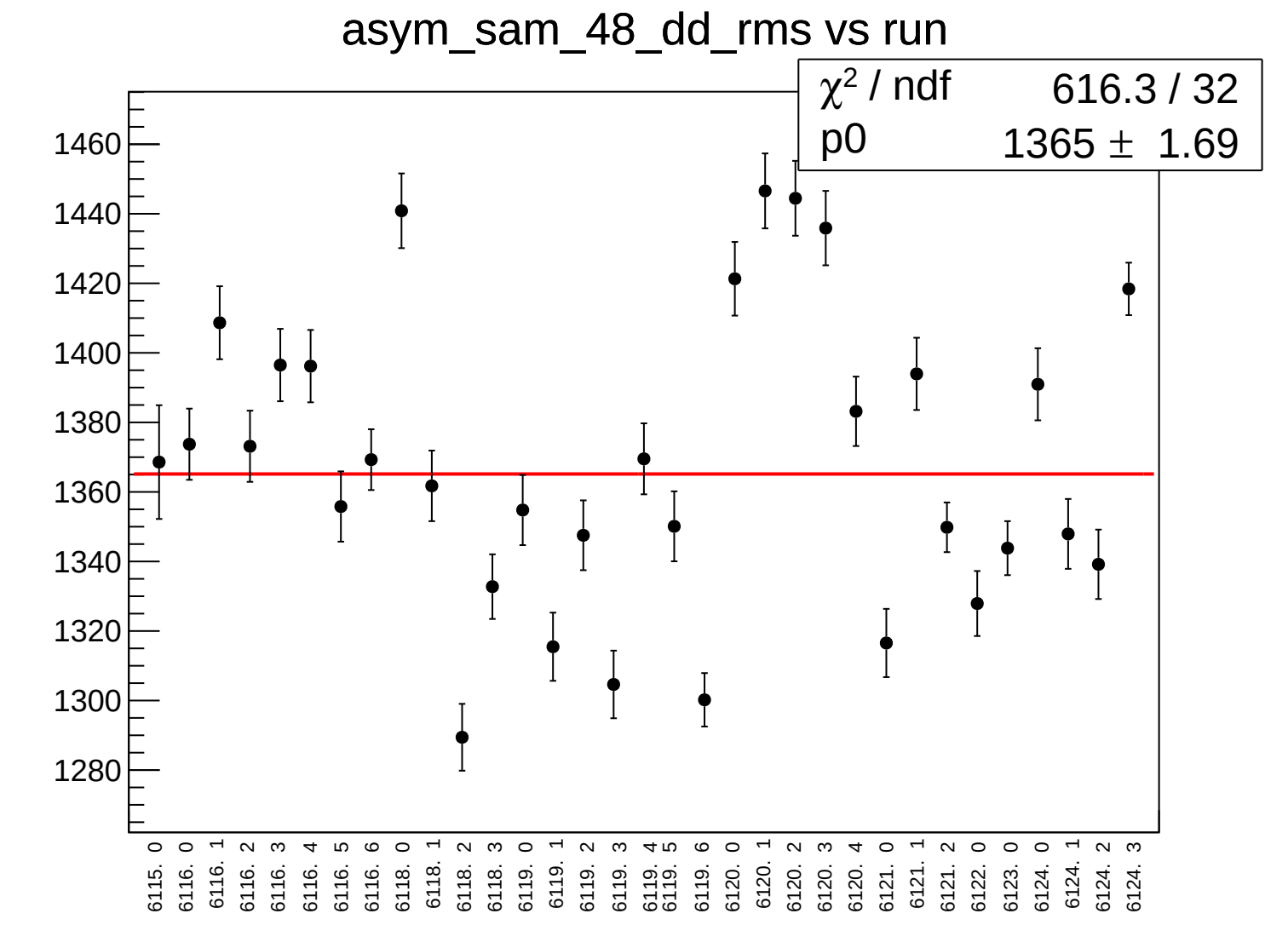

dit_asym_sam_48_dd_rms vs run
χ² / ndf 817.8 / 32
p0 119.8 ± 0.1483
145
140
135
130
125
120
115
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

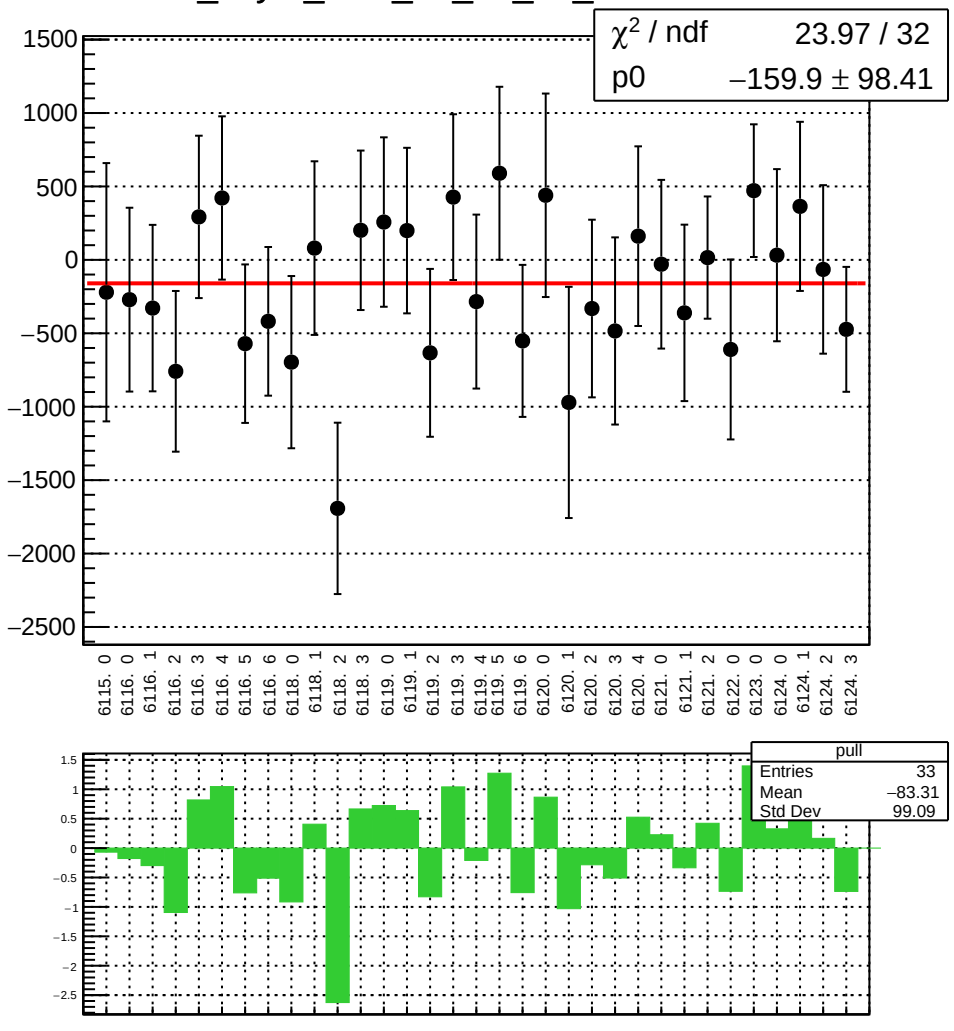

asym_sam_48_dd_correction_mean vs run
χ² / ndf 27.17 / 32
p0 −1462 ± 2390
40000
20000
0
−20000
−40000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −1528
Std Dev 1543
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.001497
Std Dev 0.9073
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

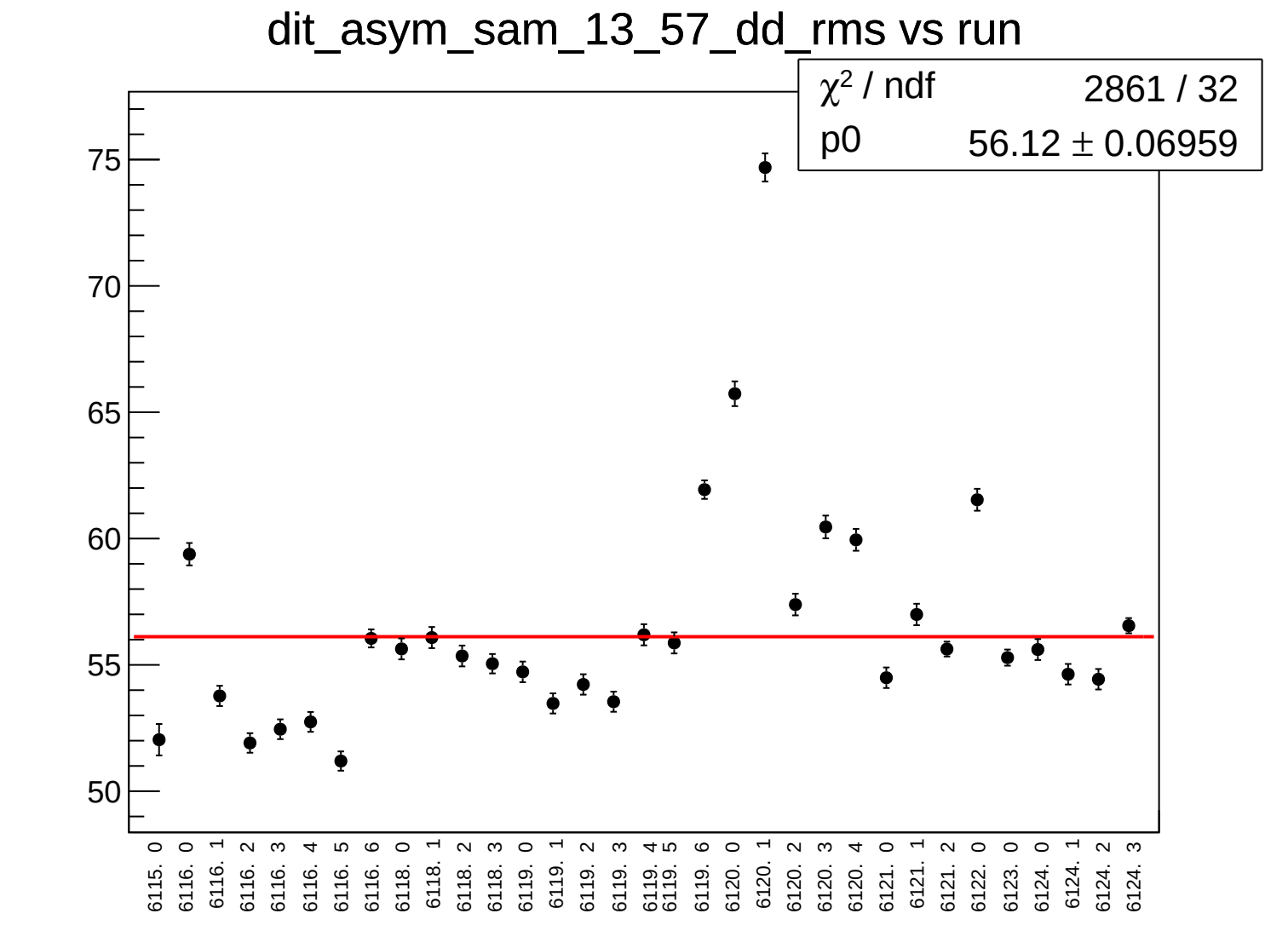

asym_sam_48_dd_correction_rms vs run
χ² / ndf 524.5 / 32
p0 1365 ± 1.69
1460
1440
1420
1400
1380
1360
1340
1320
1300
1280
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

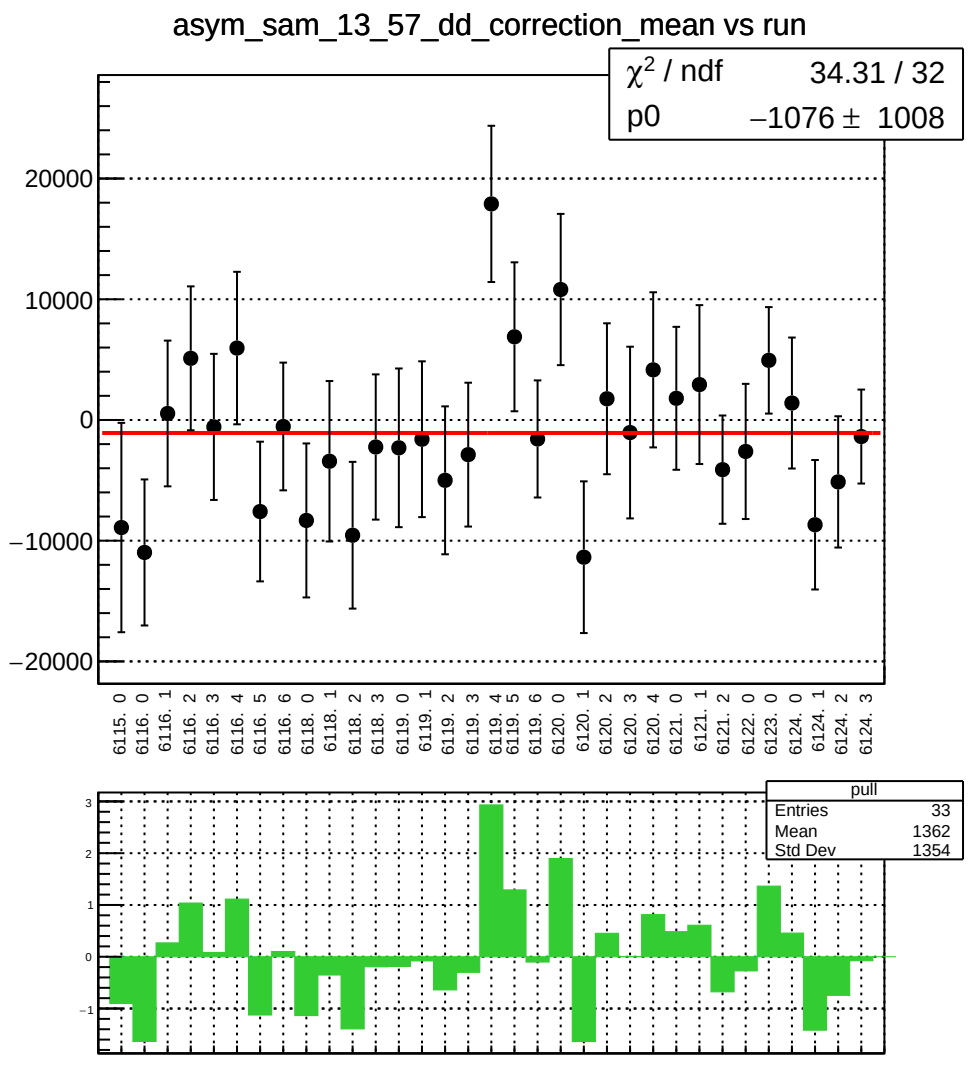

asym_sam_48_dd_mean vs run
χ² / ndf 27.54 / 32
p0 1120 ± 2390
40000
20000
0
−20000
−40000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 719.5
Std Dev 704.3
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

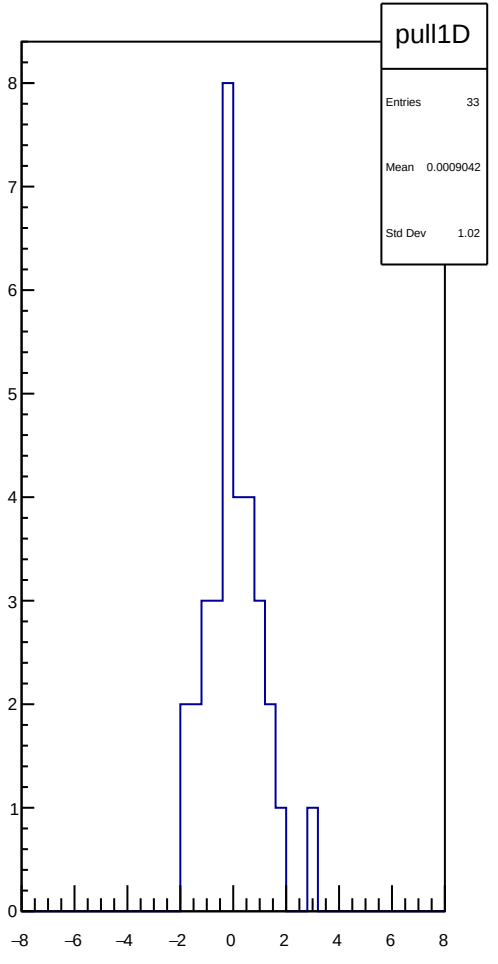

pull1D
Entries 33
Mean −0.003247
Std Dev 0.9136
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

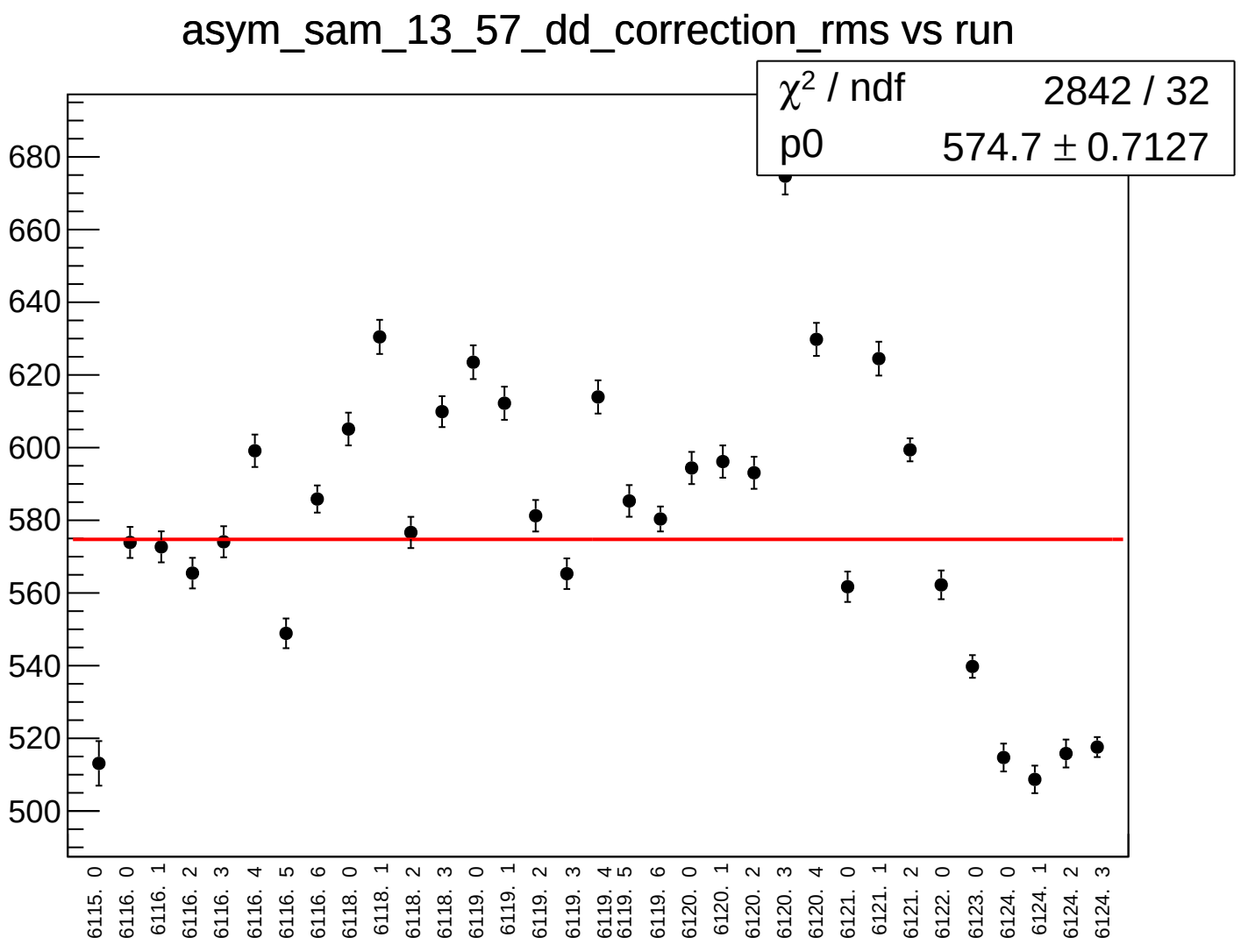

asym_sam_48_dd_rms vs run
χ² / ndf 616.3 / 32
p0 1365 ± 1.69
1460
1440
1420
1400
1380
1360
1340
1320
1300
1280
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

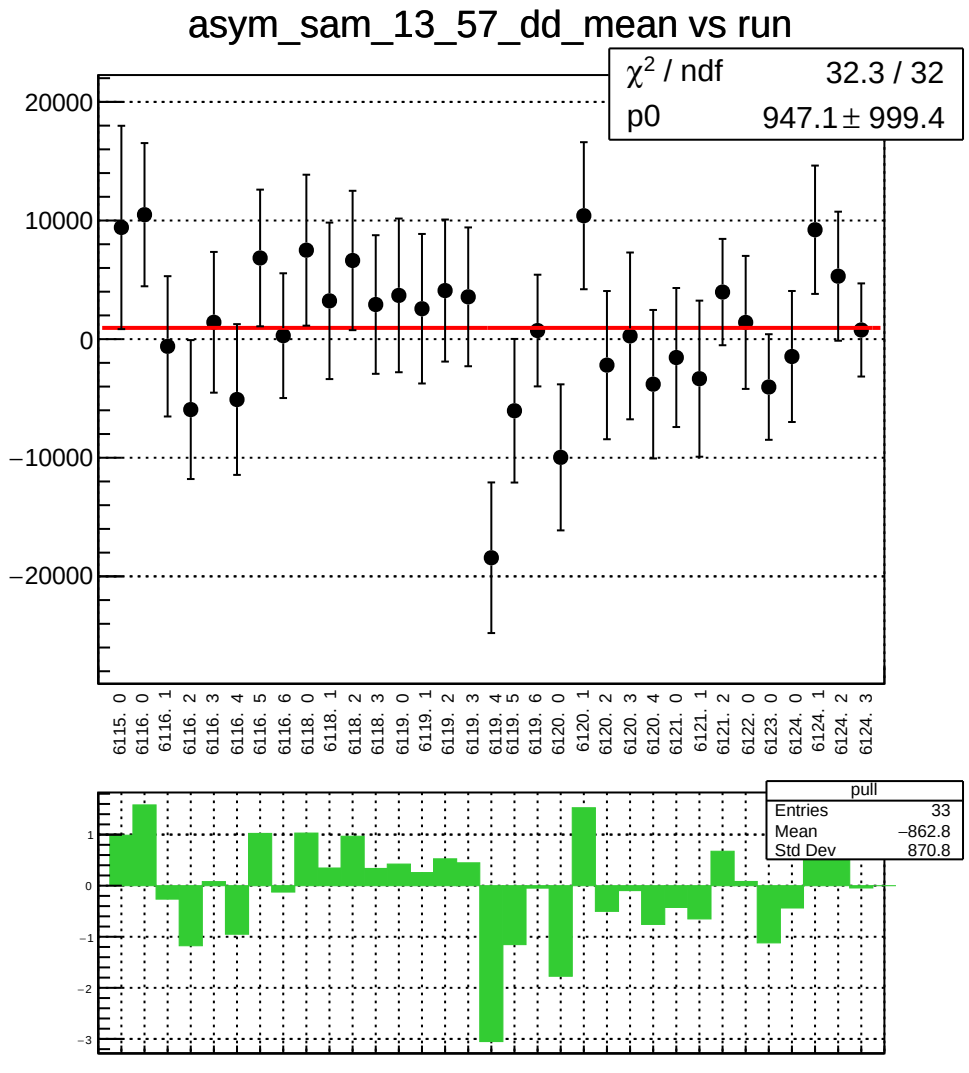

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 23.97 / 32
p0 −159.9 ± 98.41
1500
1000
500
0
−500
−1000
−1500
−2000
−2500
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −83.31
Std Dev 99.09
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean −0.01293
Std Dev 0.8521
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

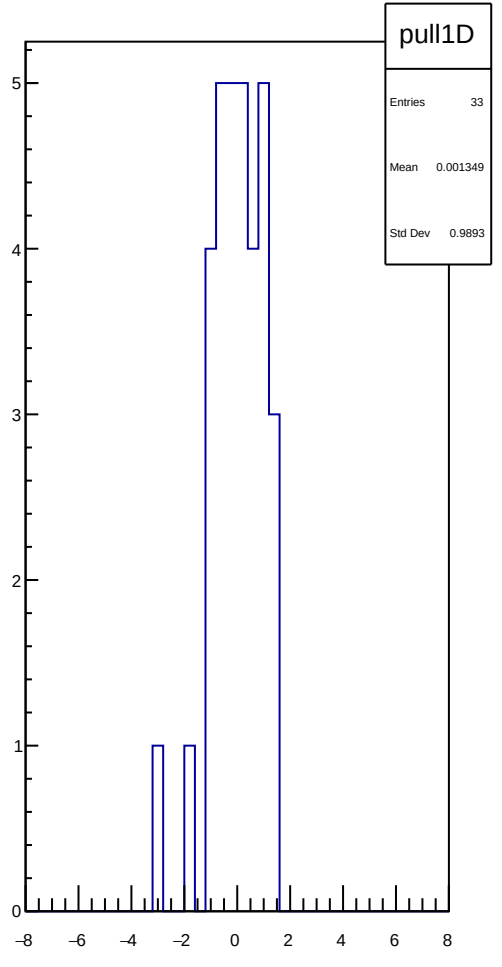

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 2861 / 32
p0 56.12 ± 0.06959
75
70
65
60
55
50
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

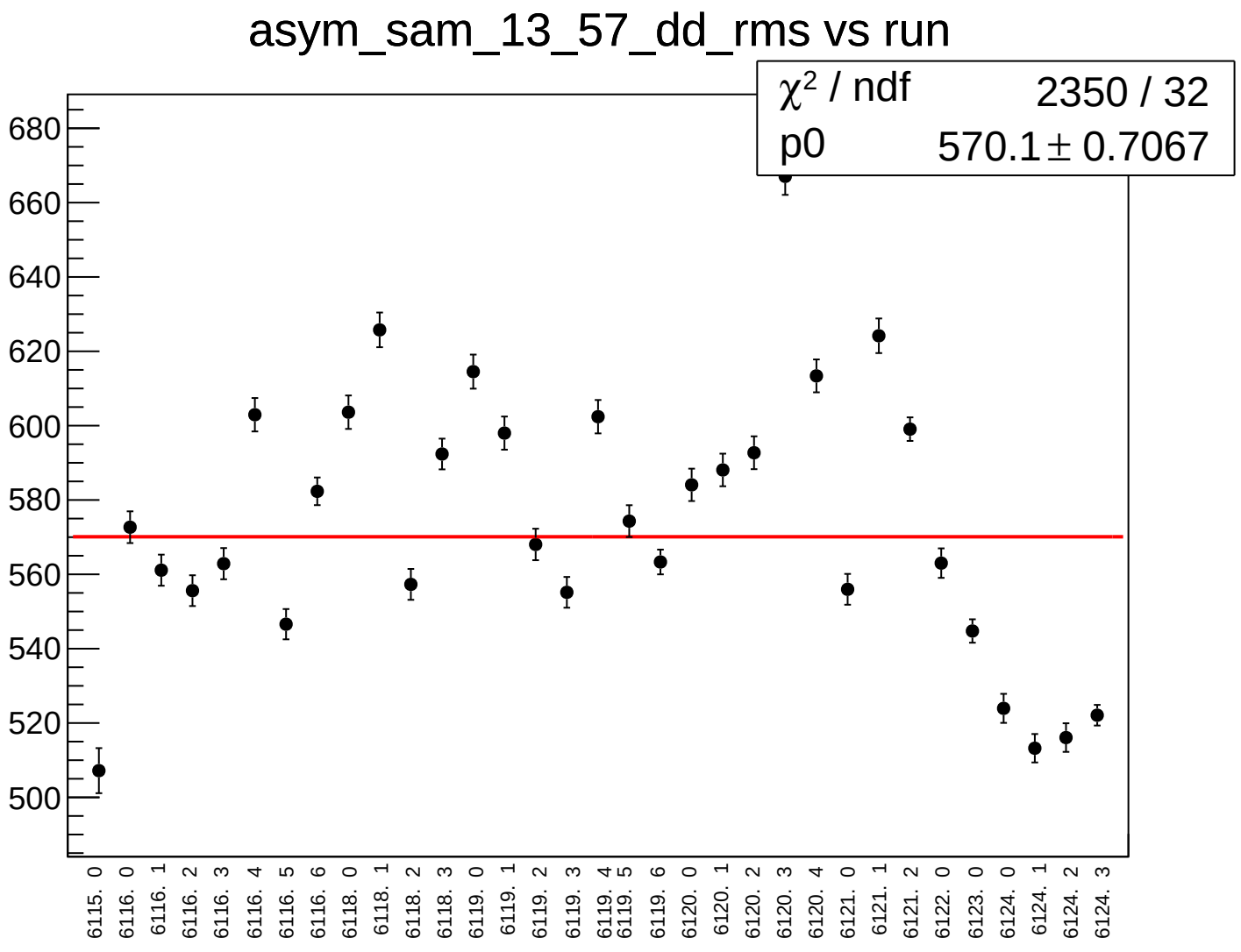

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 34.31 / 32
p0 −1076 ± 1008
20000
10000
0
−10000
−20000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 1362
Std Dev 1354
3
2
1
0
−1

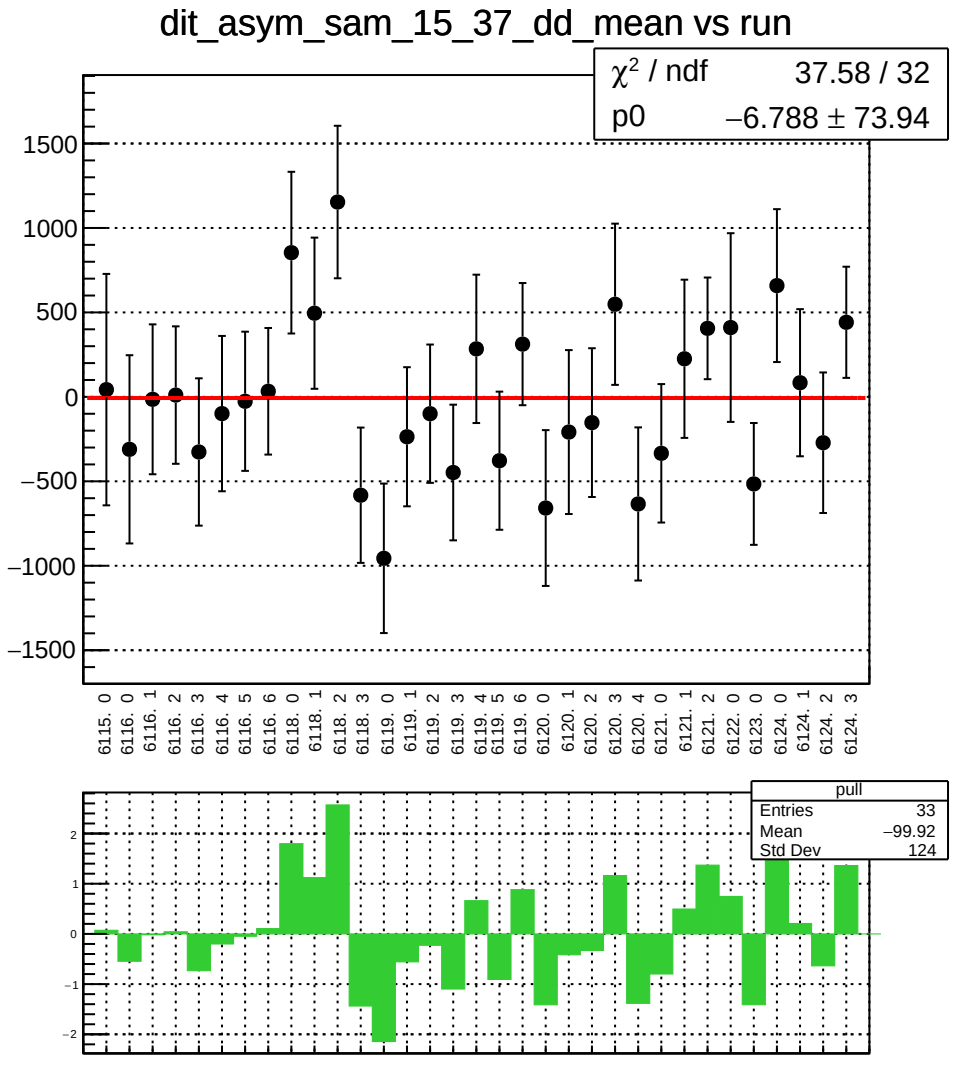

pull1D
Entries 33
Mean 0.0009042
Std Dev 1.02
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

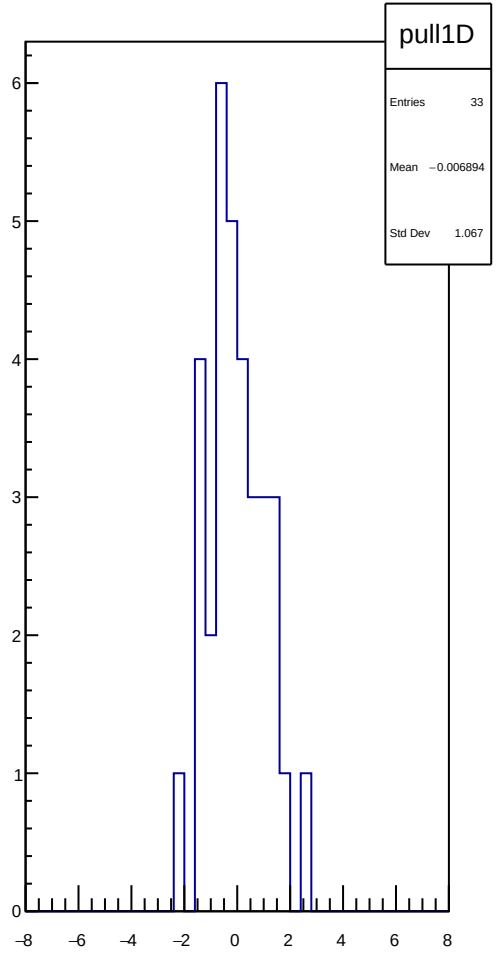

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 2842 / 32
p0 574.7 ± 0.7127
680
660
640
620
600
580
560
540
520
500
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

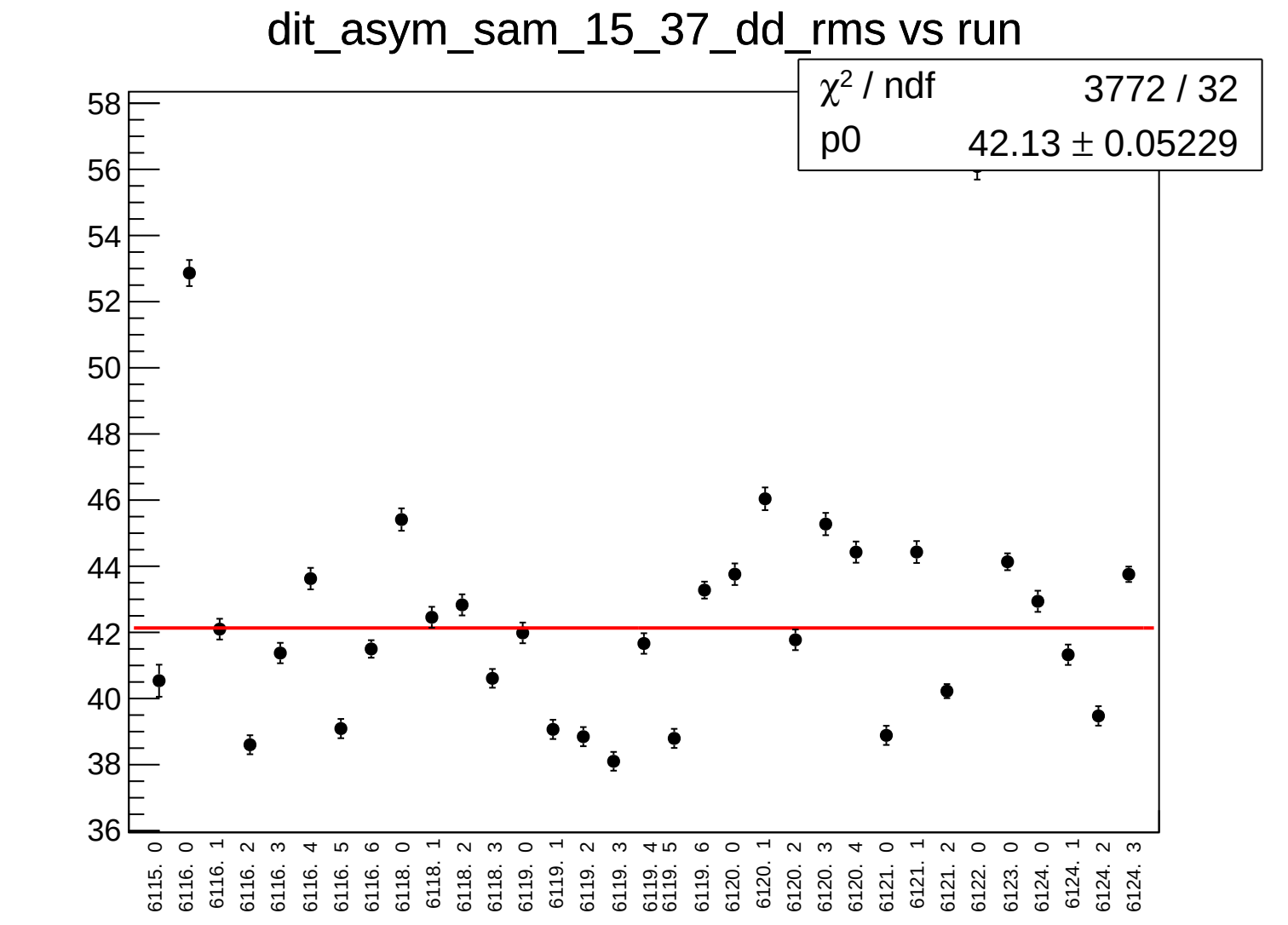

asym_sam_13_57_dd_mean vs run
χ² / ndf 32.3 / 32
p0 947.1 ± 999.4
20000
10000
0
−10000
−20000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −862.8
Std Dev 870.8
1
0
−1
−2
−3

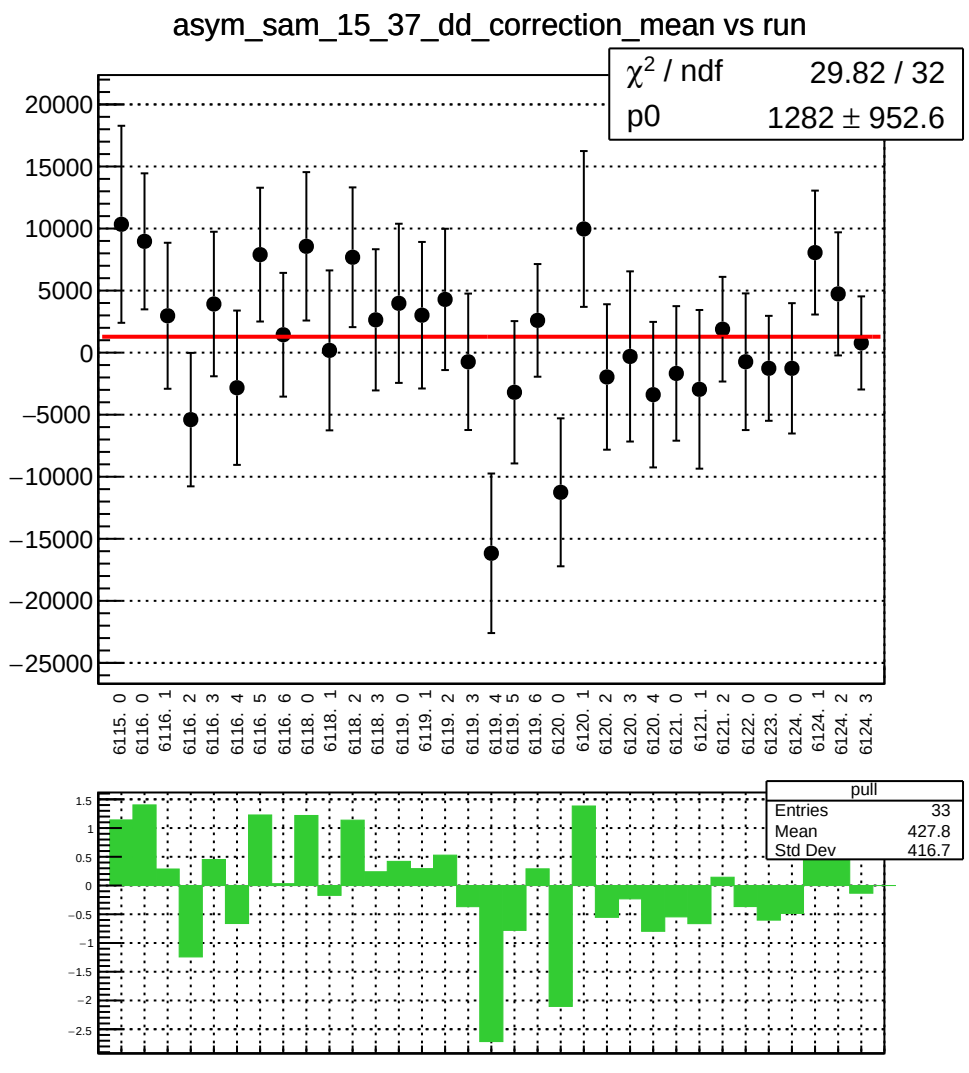

pull1D
Entries 33
Mean 0.001349
Std Dev 0.9893
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

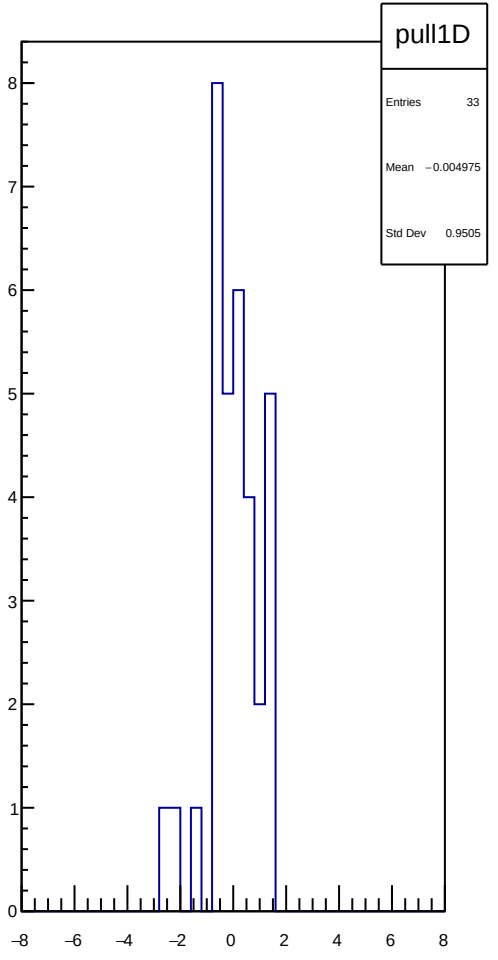

asym_sam_13_57_dd_rms vs run
χ² / ndf 2350 / 32
p0 570.1 ± 0.7067
680
660
640
620
600
580
560
540
520
500
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

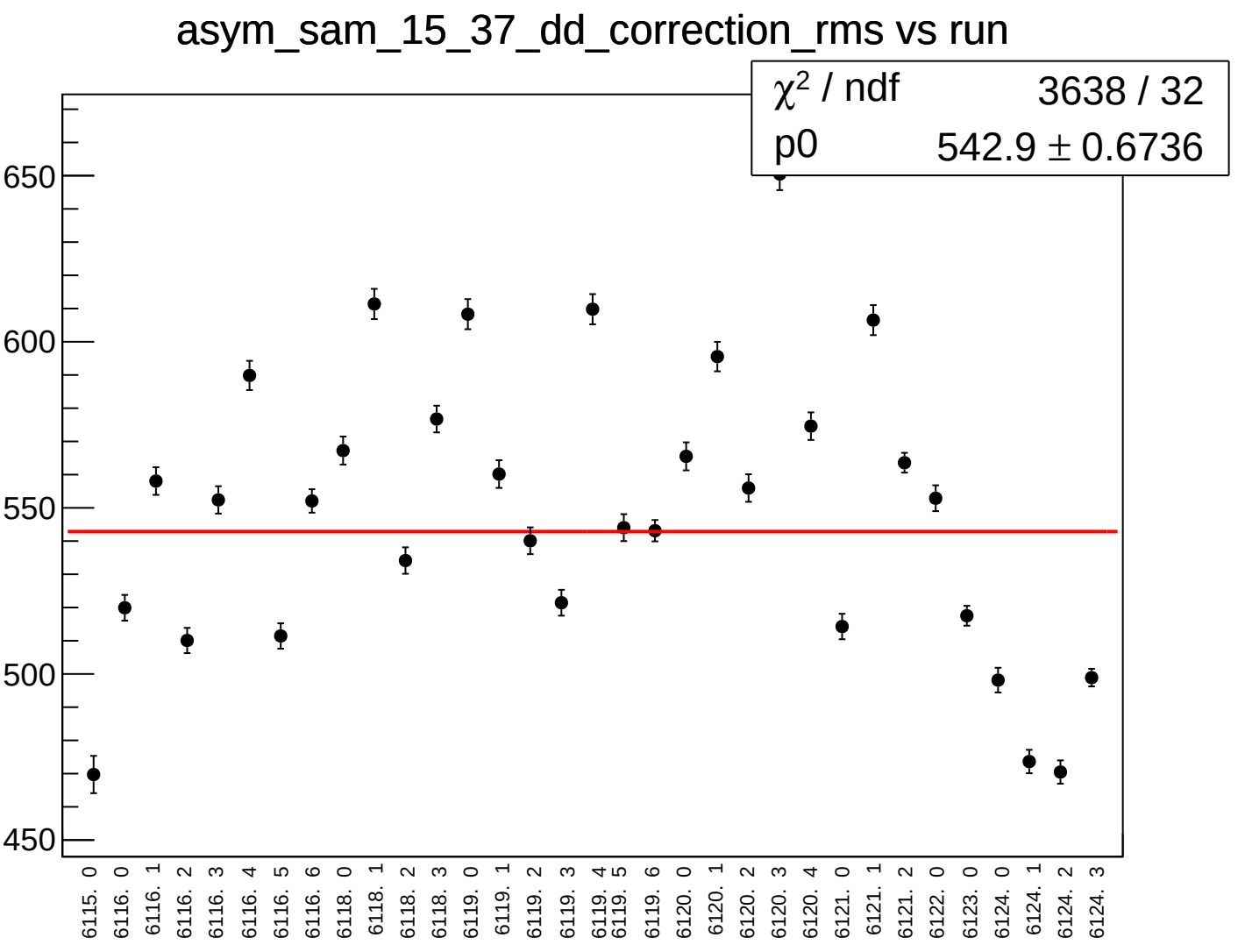

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 37.58 / 32
p0 −6.788 ± 73.94
1500
1000
500
0
−500
−1000
−1500
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −99.92
Std Dev 124
2
1
0
−1
−2

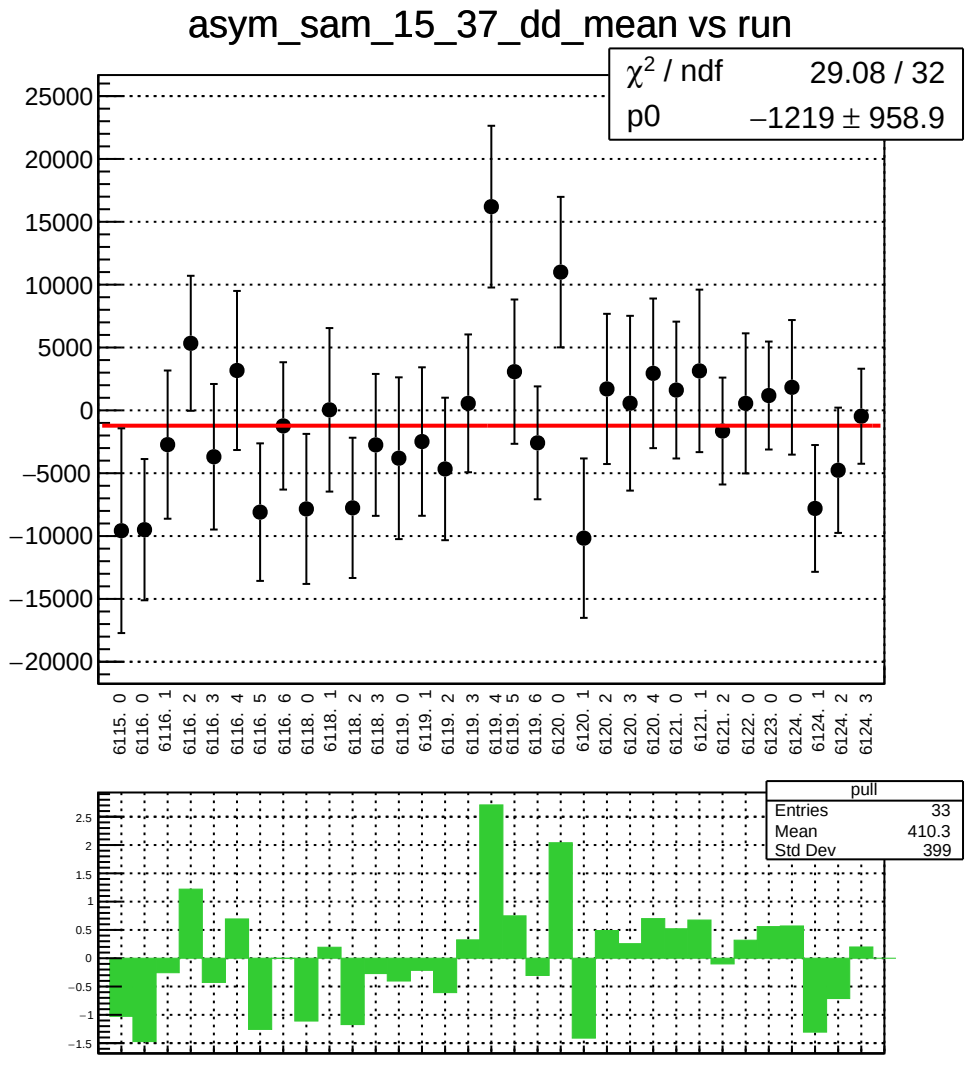

pull1D
Entries 33
Mean −0.006894
Std Dev 1.067
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

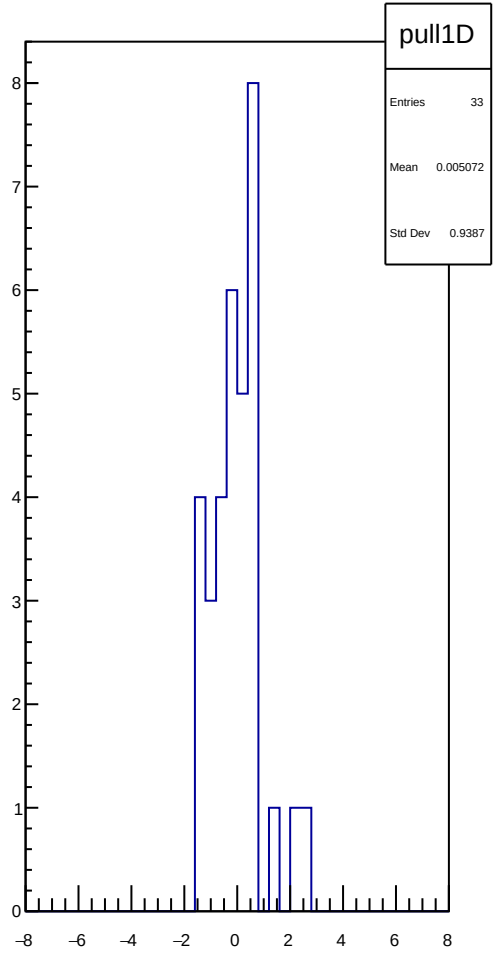

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 3772 / 32
p0 42.13 ± 0.05229
58
56
54
52
50
48
46
44
42
40
38
36
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

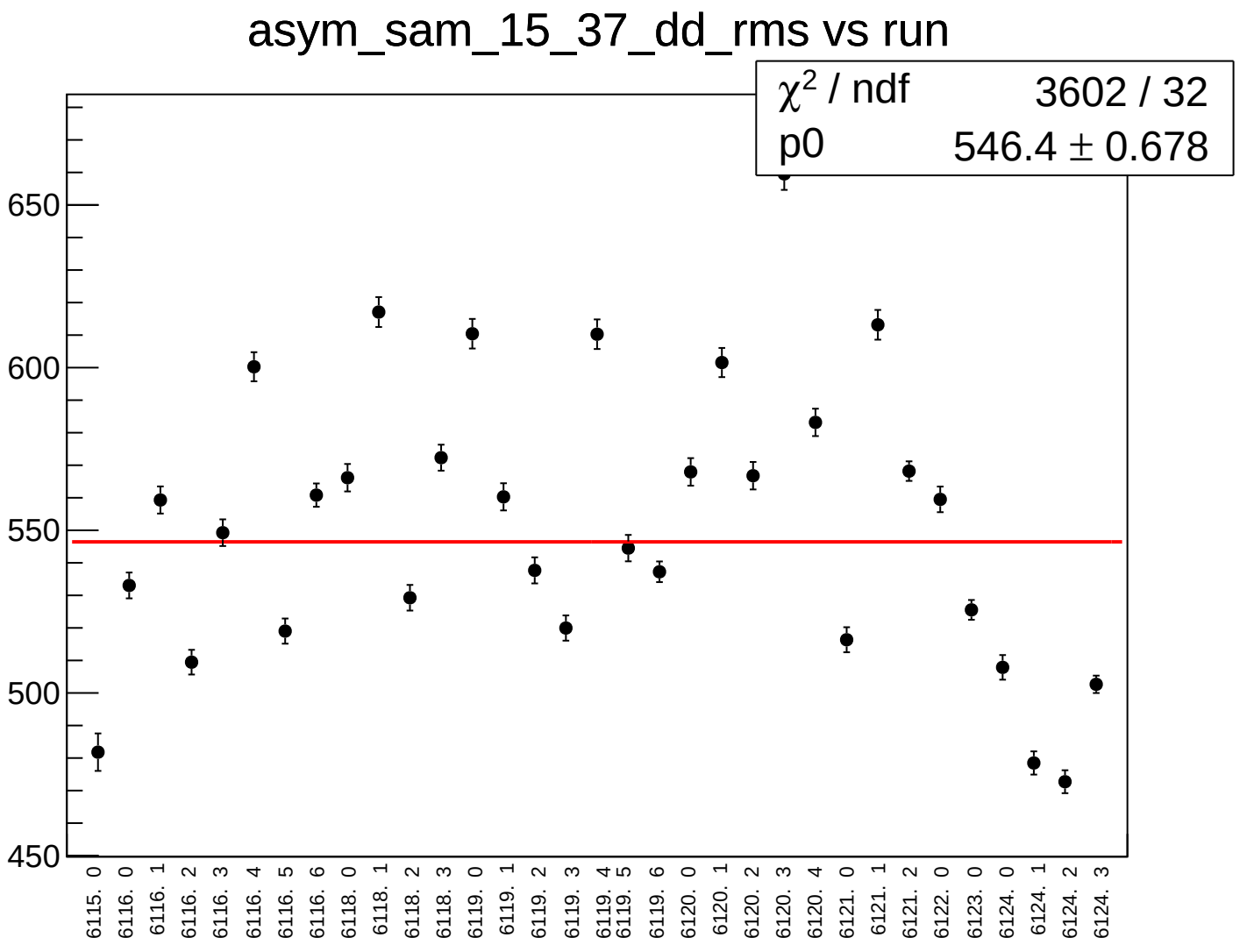

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 29.82 / 32
p0 1282 ± 952.6
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 427.8
Std Dev 416.7
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

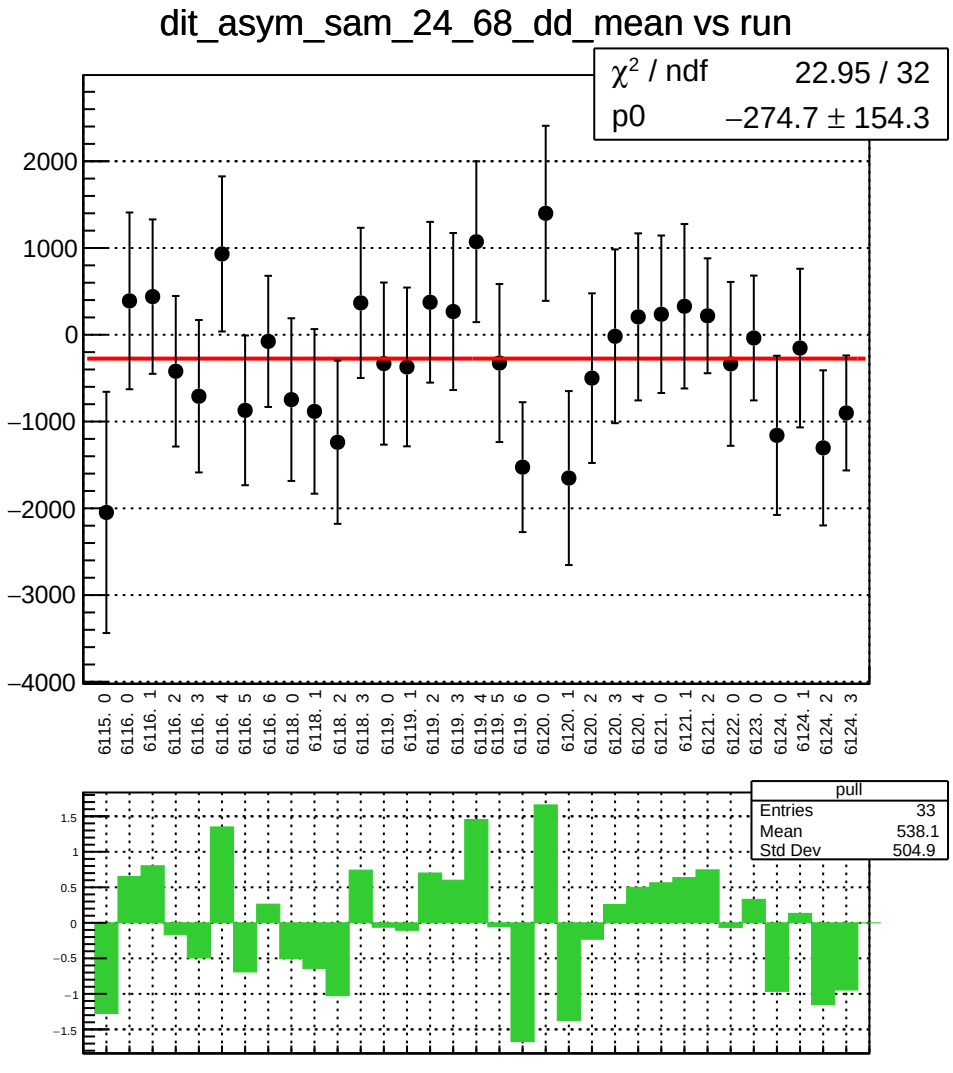

pull1D
Entries 33
Mean −0.004975
Std Dev 0.9505
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

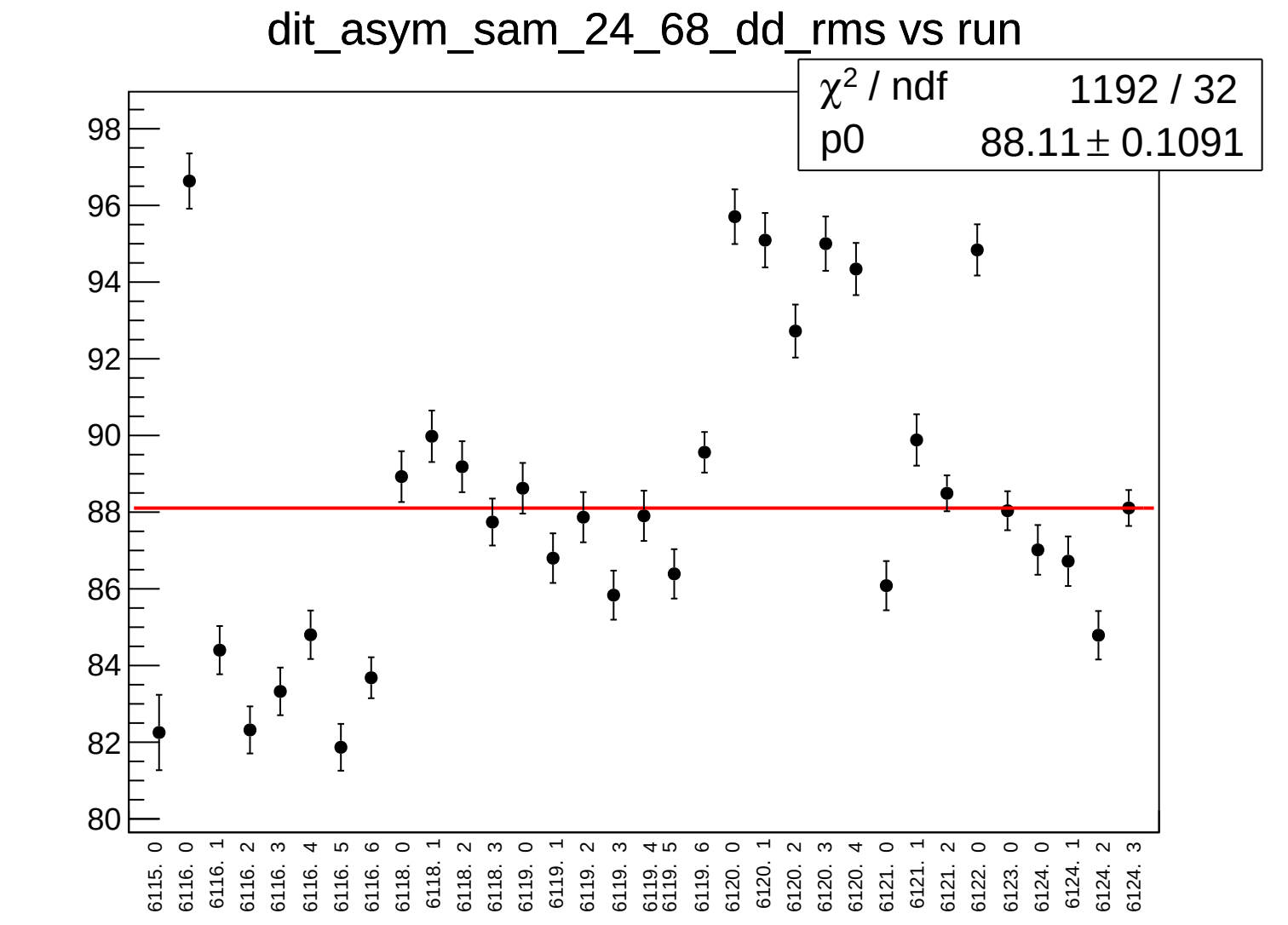

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 3638 / 32
p0 542.9 ± 0.6736
650
600
550
500
450
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

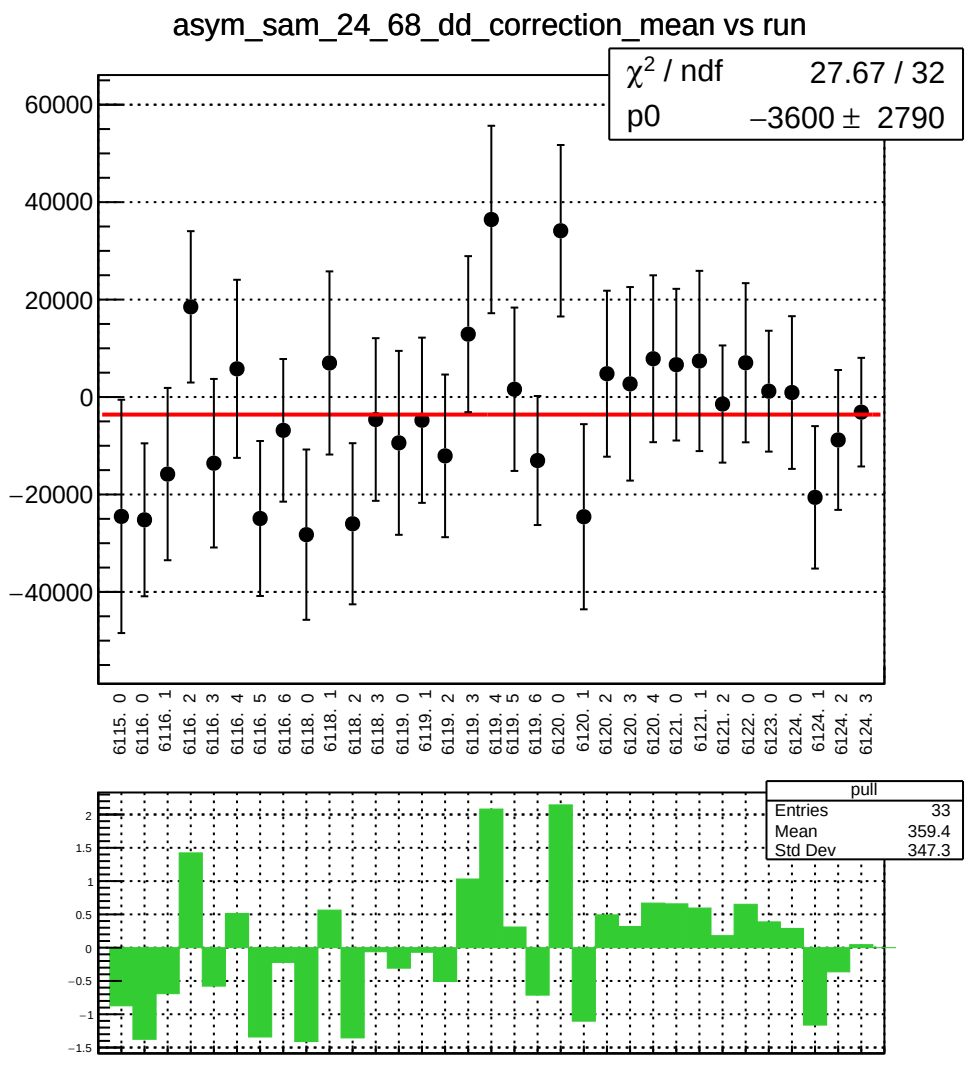

asym_sam_15_37_dd_mean vs run
χ² / ndf 29.08 / 32
p0 −1219 ± 958.9
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 410.3
Std Dev 399
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

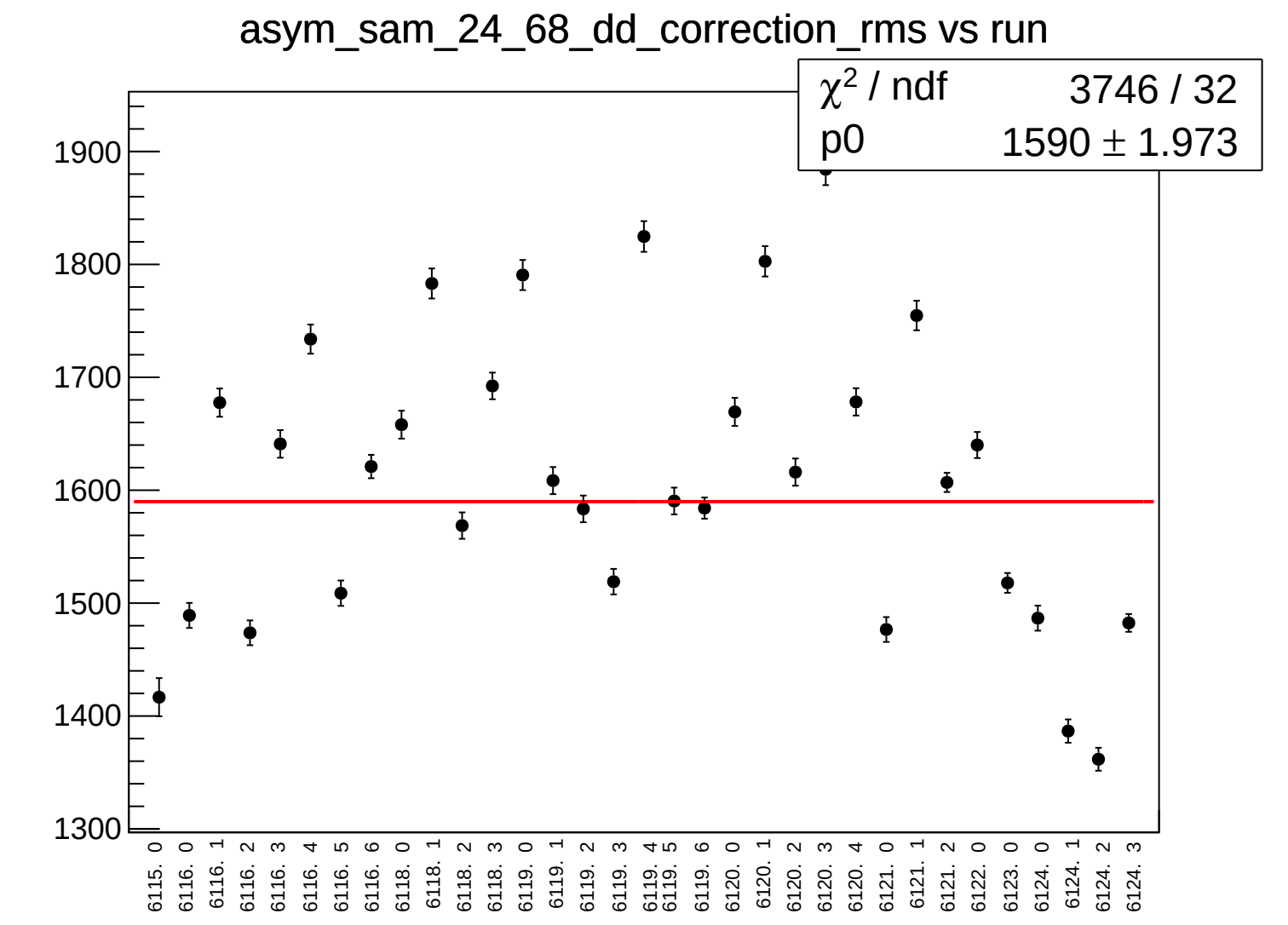

pull1D
Entries 33
Mean 0.005072
Std Dev 0.9387
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

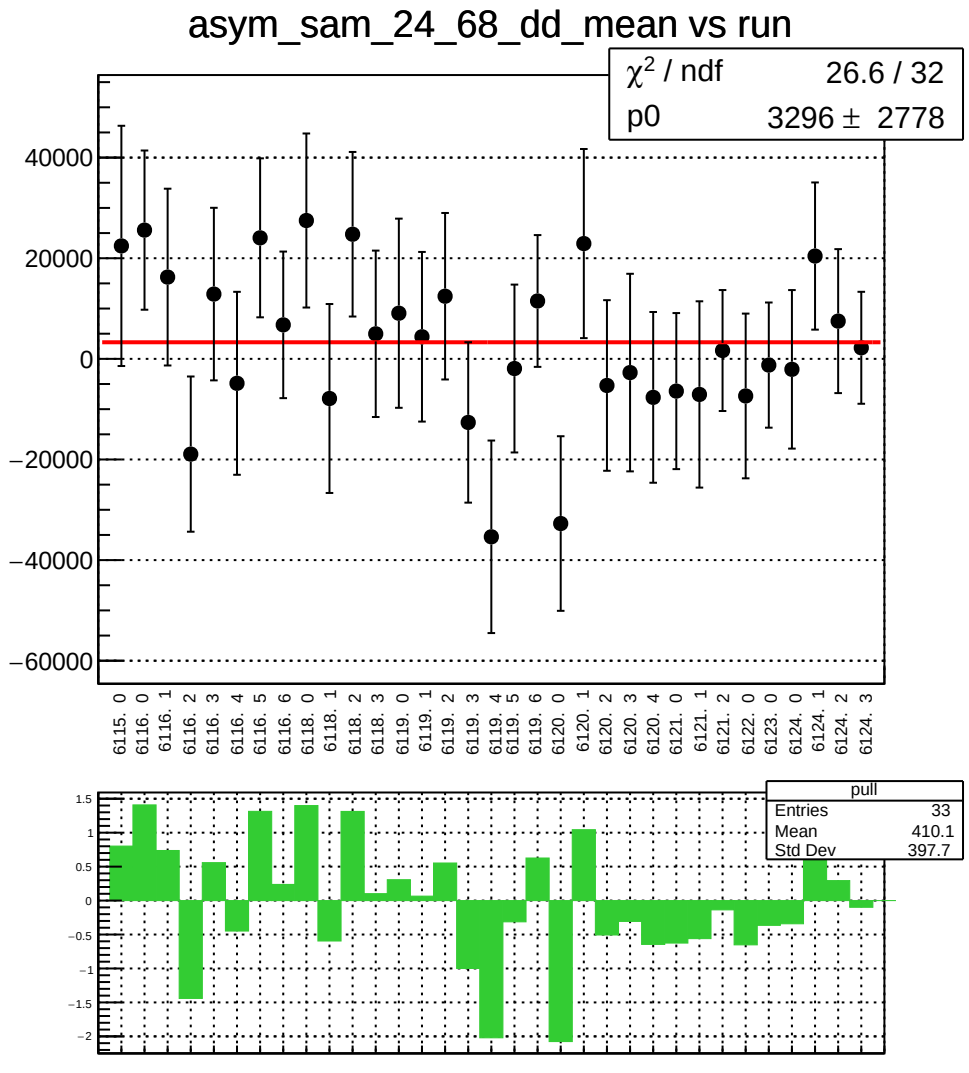

asym_sam_15_37_dd_rms vs run
χ² / ndf 3602 / 32
p0 546.4 ± 0.678
650
600
550
500
450
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

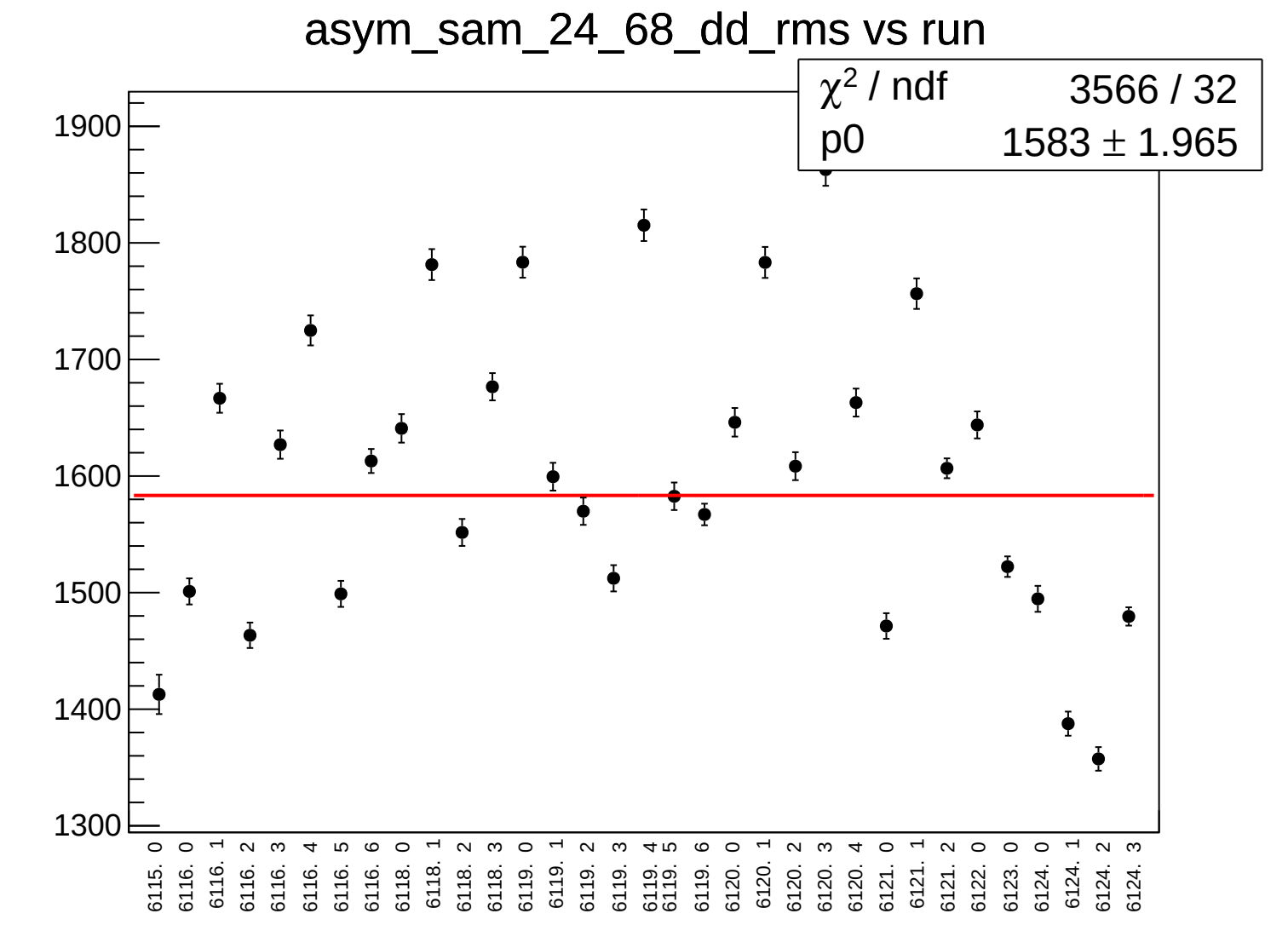

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 22.95 / 32
p0 −274.7 ± 154.3
2000
1000
0
−1000
−2000
−3000
−4000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 538.1
Std Dev 504.9
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.0008972
Std Dev 0.8339
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

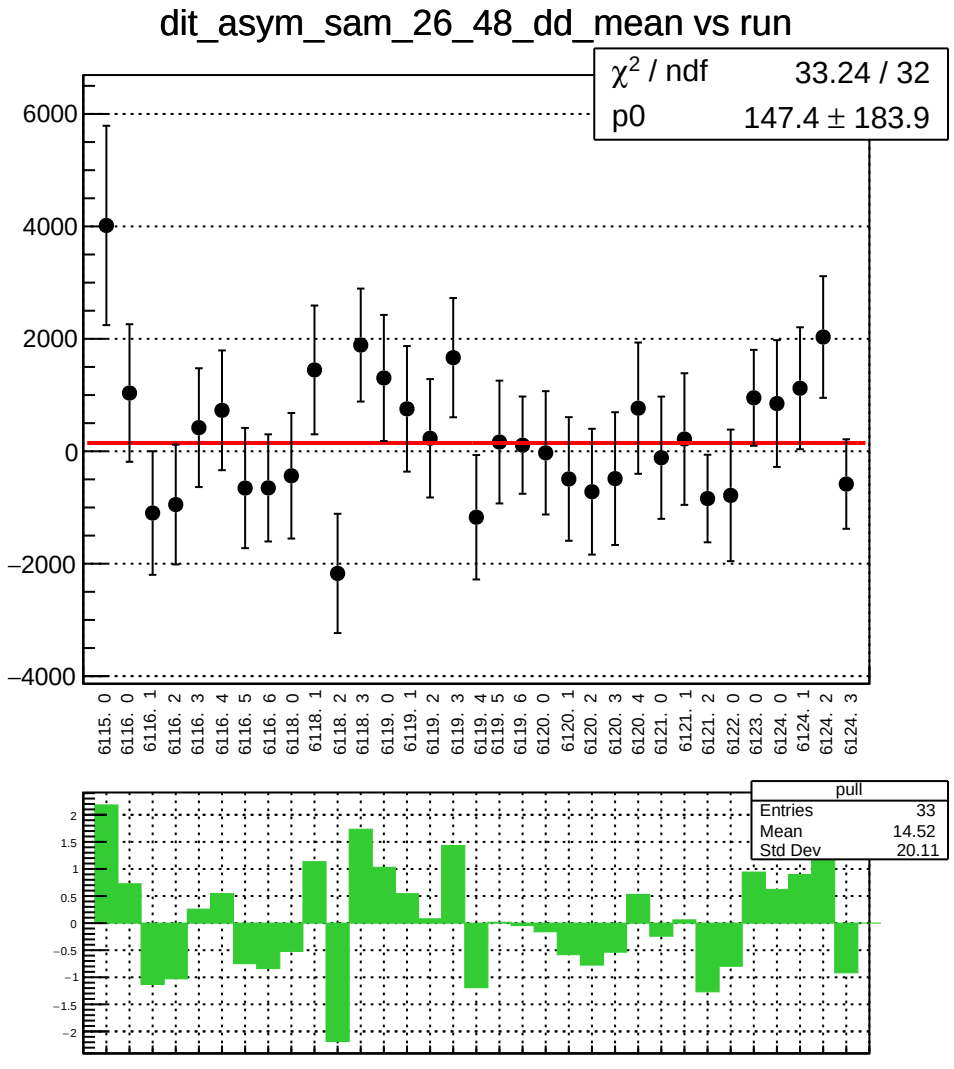

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 1192 / 32
p0 88.11 ± 0.1091
98
96
94
92
90
88
86
84
82
80
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

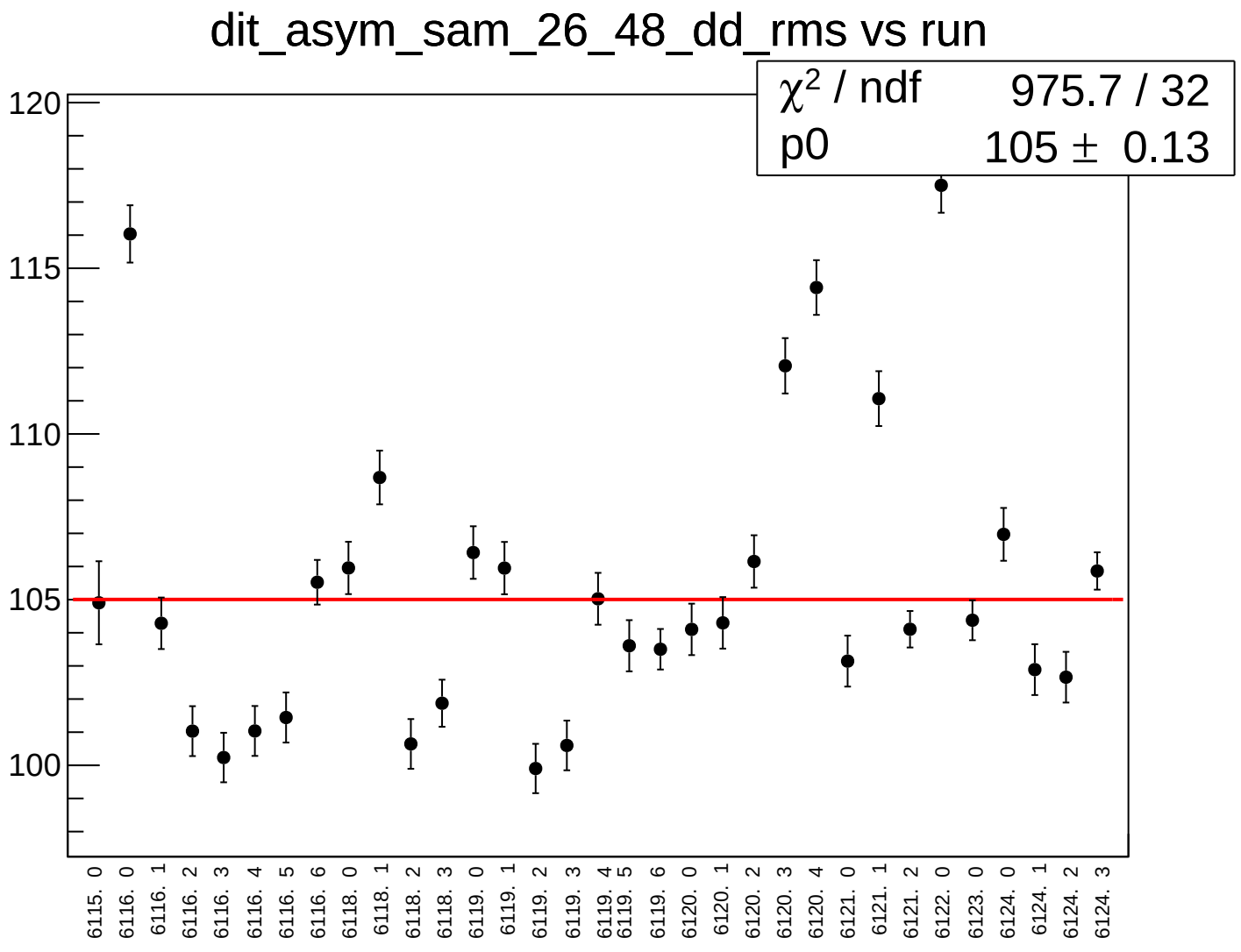

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 27.67 / 32
p0 −3600 ± 2790
60000
40000
20000
0
−20000
−40000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 359.4
Std Dev 347.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.006766
Std Dev 0.9157
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

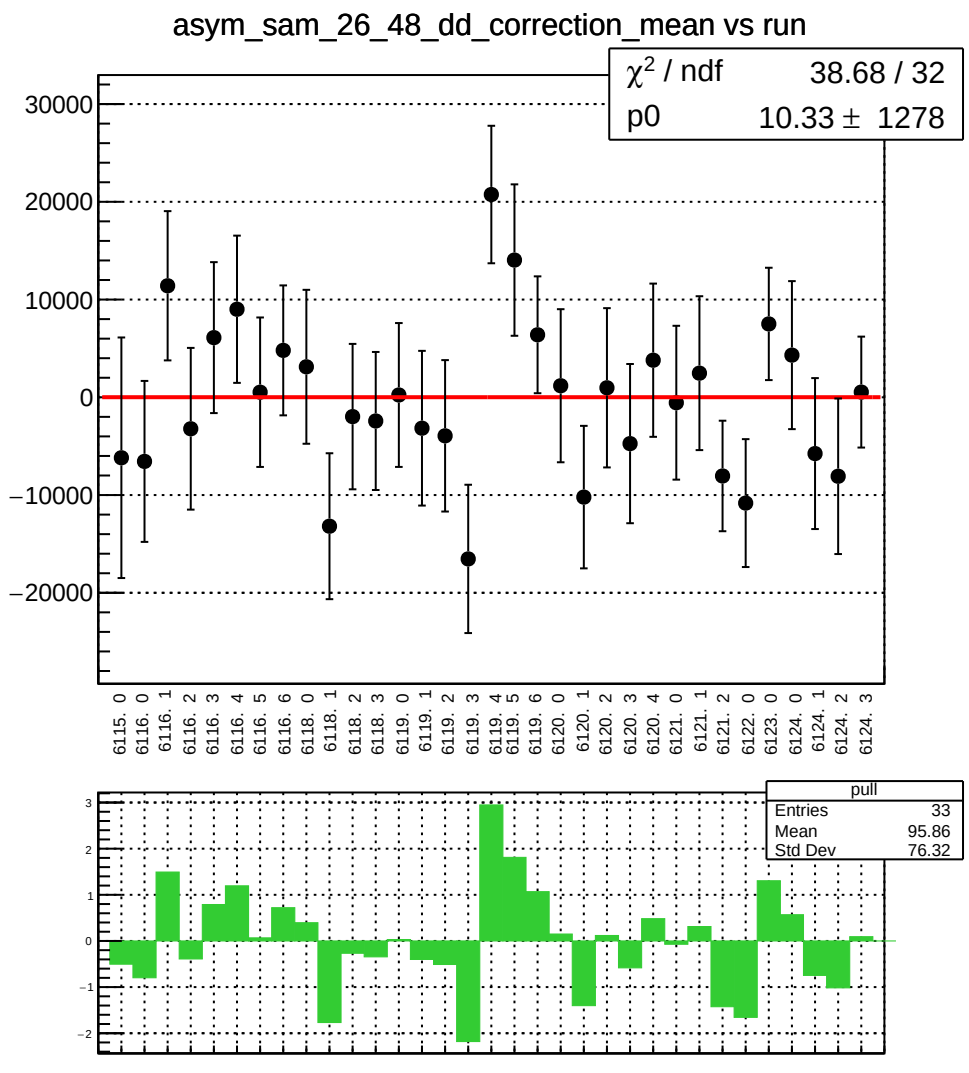

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 3746 / 32
p0 1590 ± 1.973
1900
1800
1700
1600
1500
1400
1300
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
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6124. 1
6124. 2
6124. 3

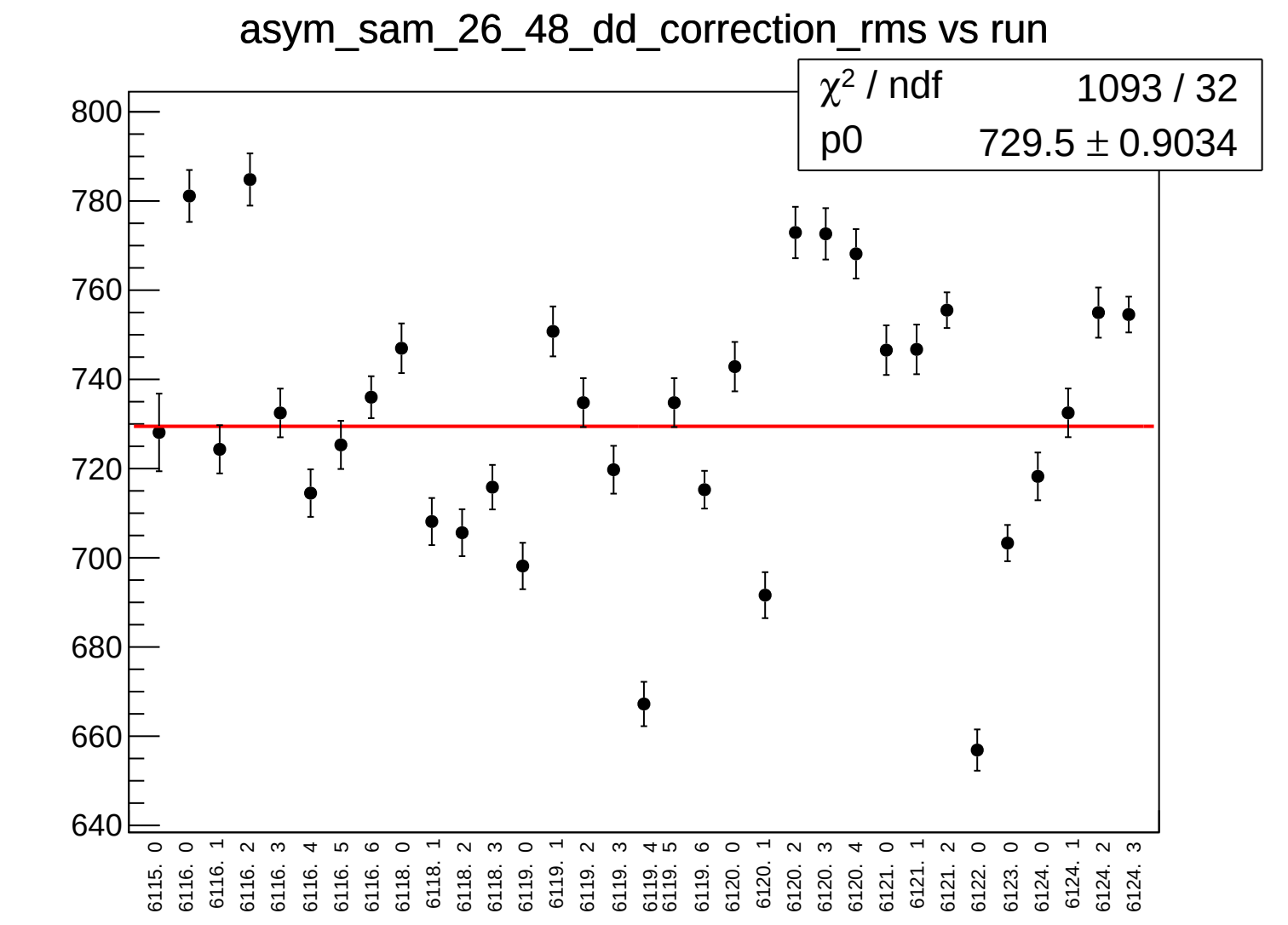

asym_sam_24_68_dd_mean vs run
χ² / ndf 26.6 / 32
p0 3296 ± 2778
40000
20000
0
−20000
−40000
−60000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 410.1
Std Dev 397.7
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.005983
Std Dev 0.8978
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

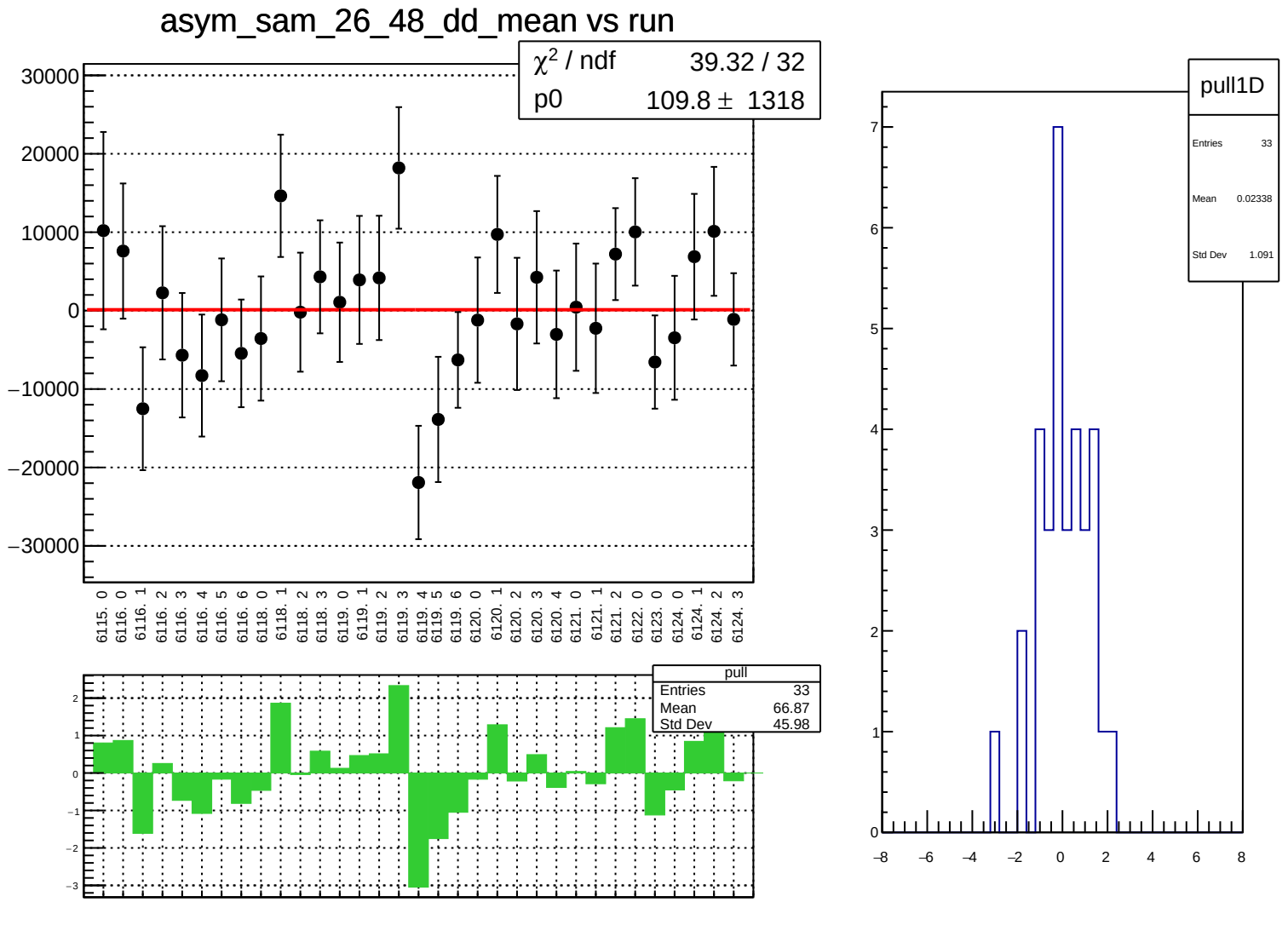

asym_sam_24_68_dd_rms vs run
χ² / ndf 3566 / 32
p0 1583 ± 1.965
1900
1800
1700
1600
1500
1400
1300
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

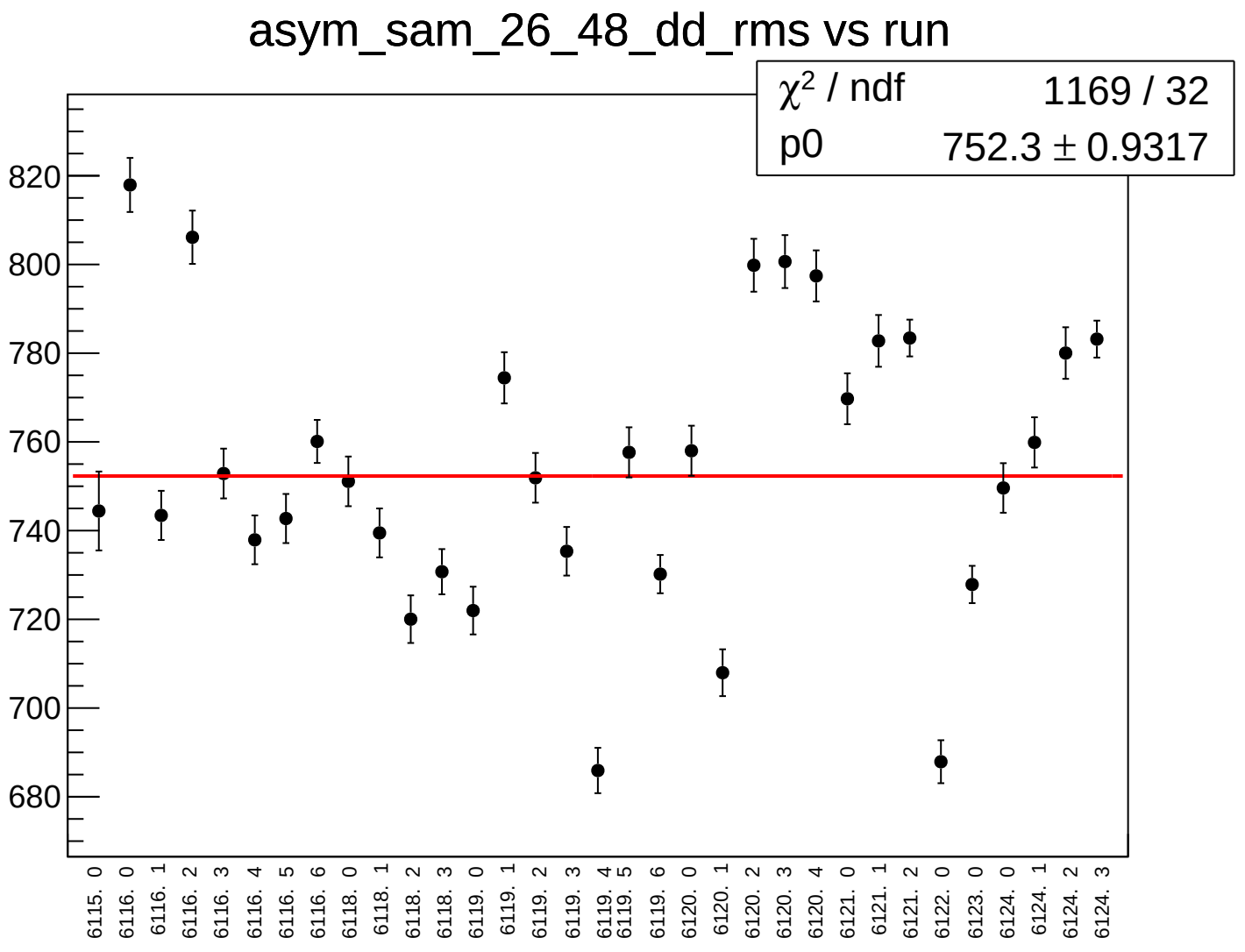

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 33.24 / 32
p0 147.4 ± 183.9
6000
4000
2000
0
−2000
−4000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 14.52
Std Dev 20.11
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.04549
Std Dev 1.003
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

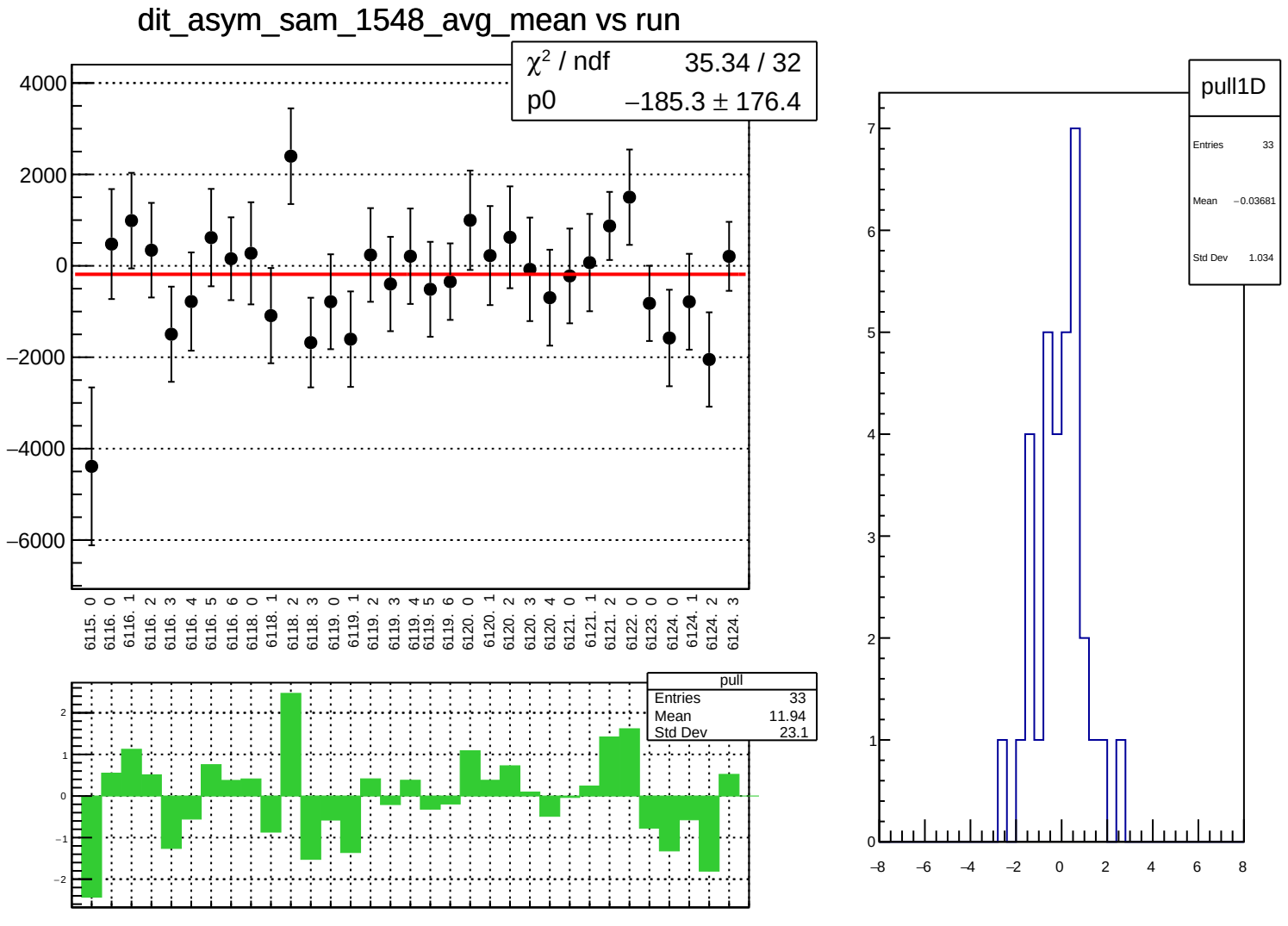

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 975.7 / 32
p0 105 ± 0.13
120
115
110
105
100
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

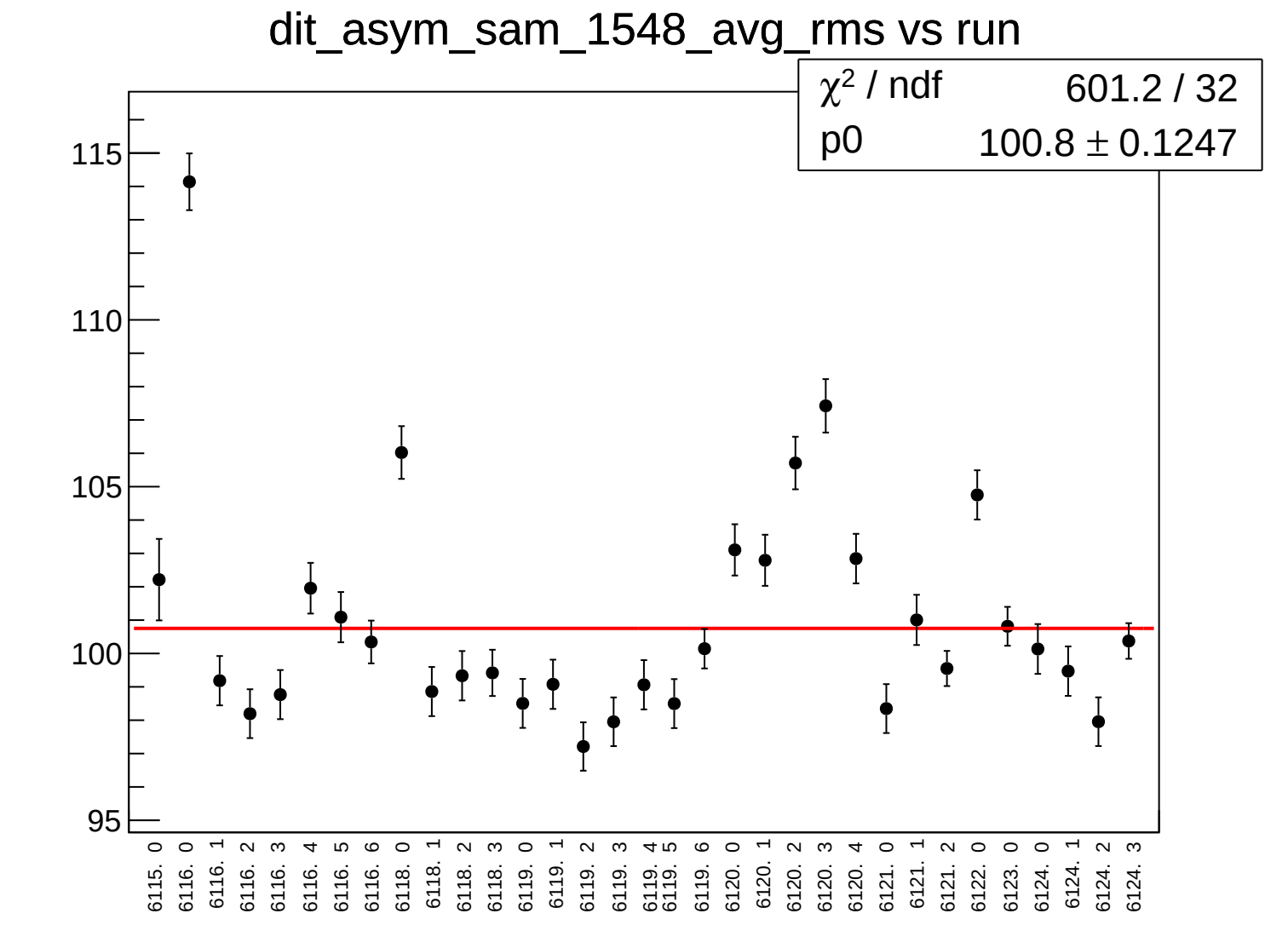

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 38.68 / 32
p0 10.33 ± 1278
30000
20000
10000
0
−10000
−20000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 95.86
Std Dev 76.32
3
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.01562
Std Dev 1.083
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

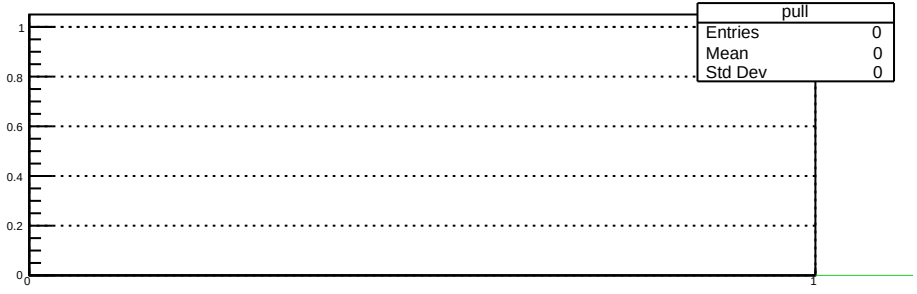

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 1093 / 32
p0 729.5 ± 0.9034
800
780
760
740
720
700
680
660
640
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

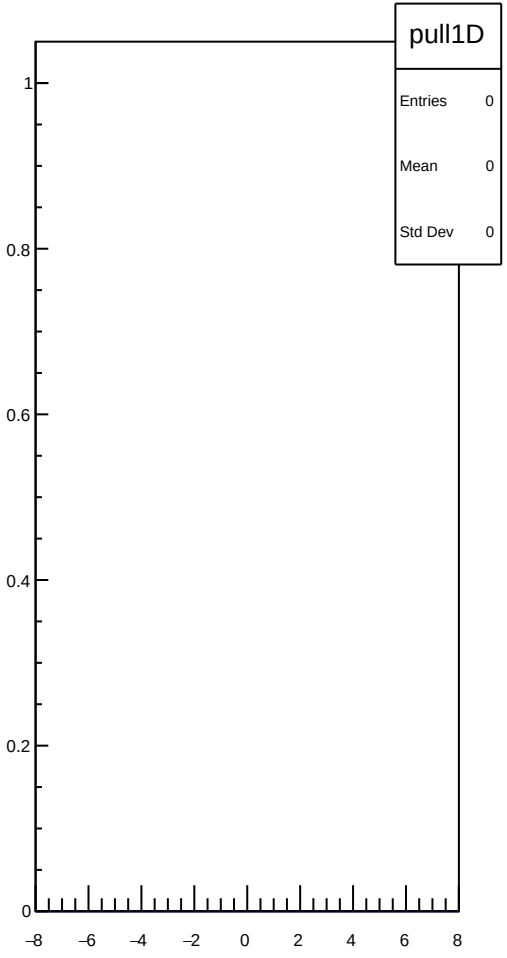

asym_sam_26_48_dd_mean vs run
χ² / ndf 39.32 / 32
p0 109.8 ± 1318
30000
20000
10000
0
−10000
−20000
−30000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 66.87
Std Dev 45.98
pull1D
Entries 33
Mean 0.02338
Std Dev 1.091

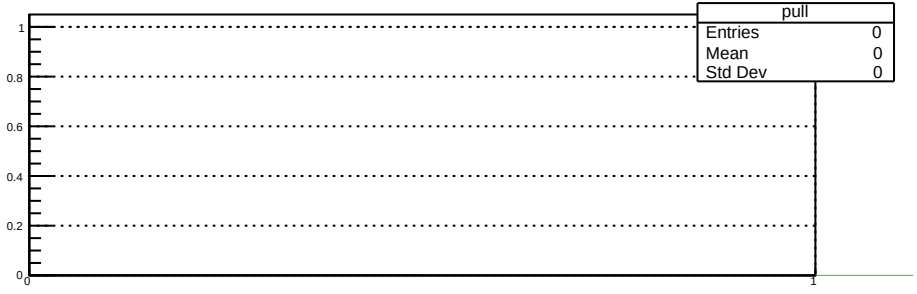

asym_sam_26_48_dd_rms vs run
χ² / ndf 1169 / 32
p0 752.3 ± 0.9317
820
800
780
760
740
720
700
680
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

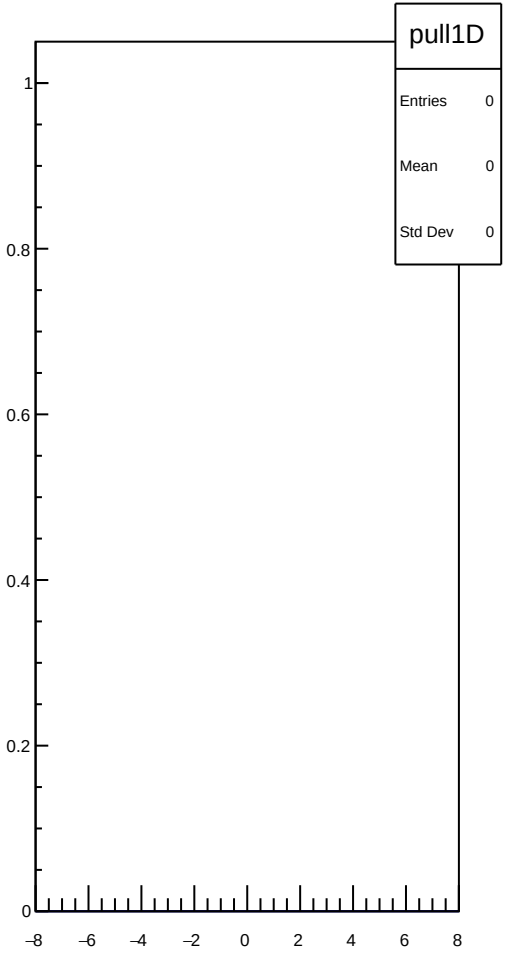

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 35.34 / 32
p0 −185.3 ± 176.4
4000
2000
0
−2000
−4000
−6000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 11.94
Std Dev 23.1
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.03681
Std Dev 1.034
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

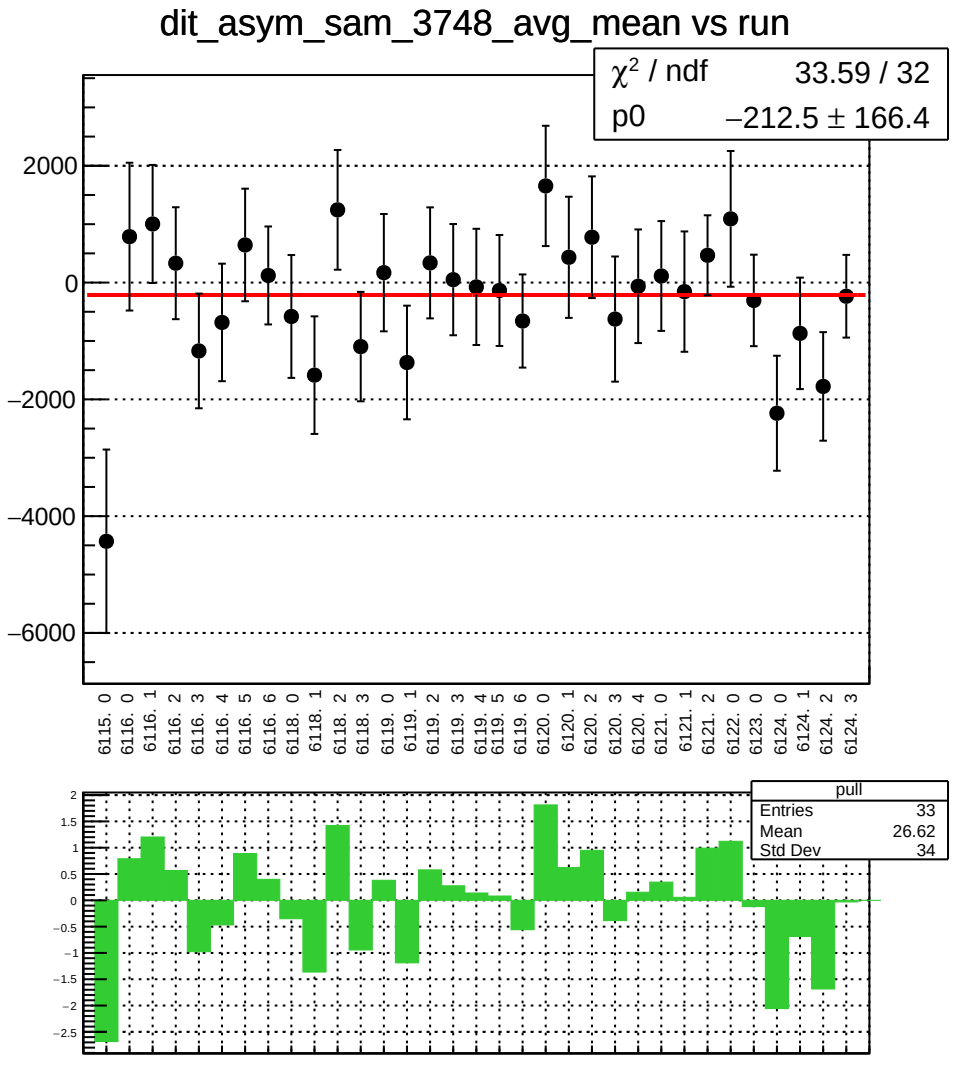

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 601.2 / 32
p0 100.8 ± 0.1247
115
110
105
100
95
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

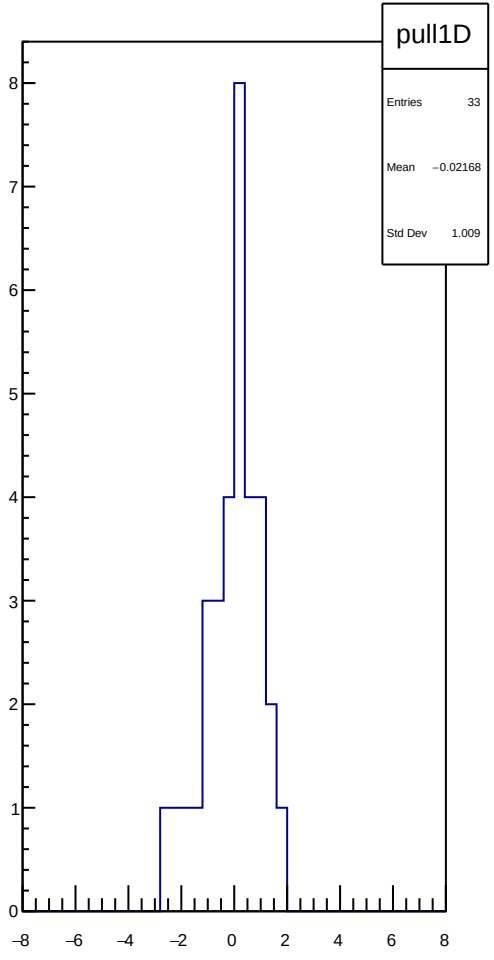

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

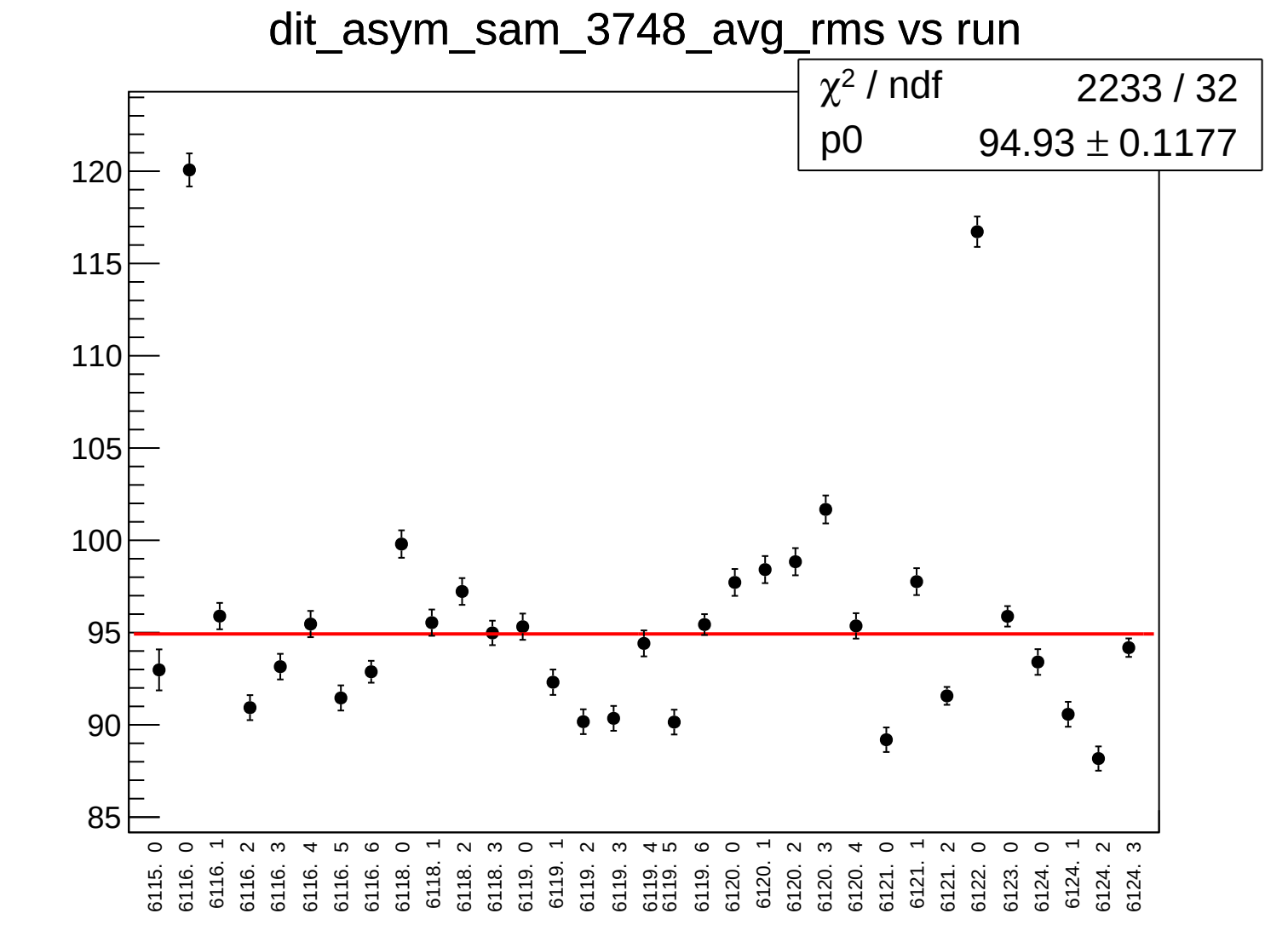

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

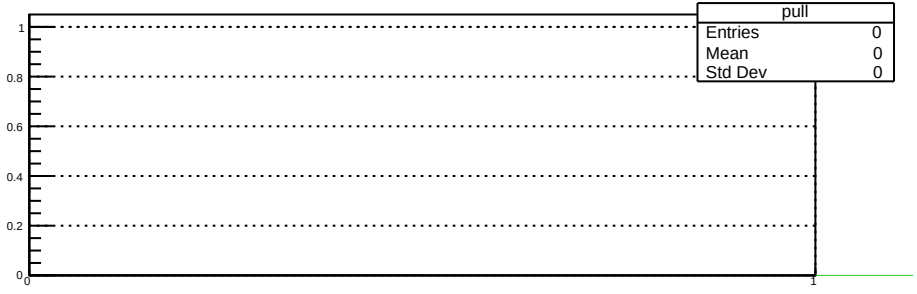

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

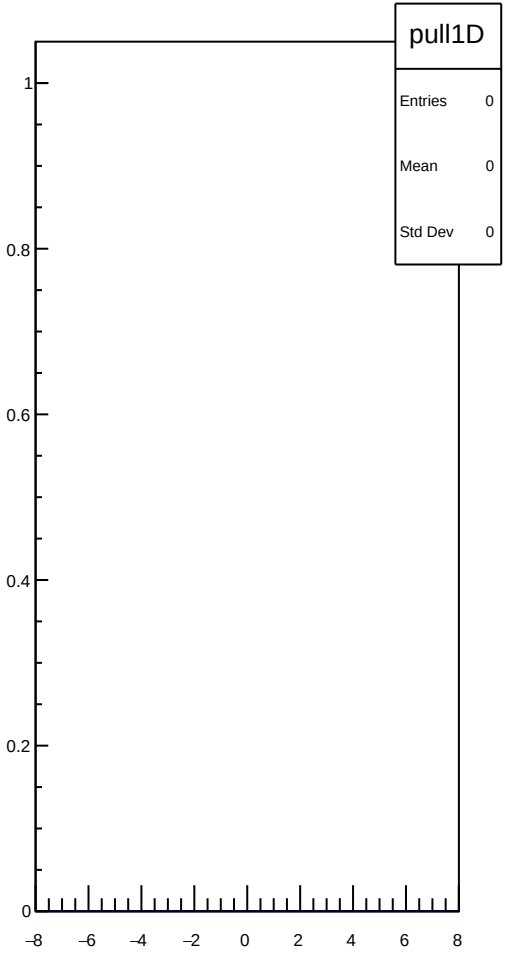

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

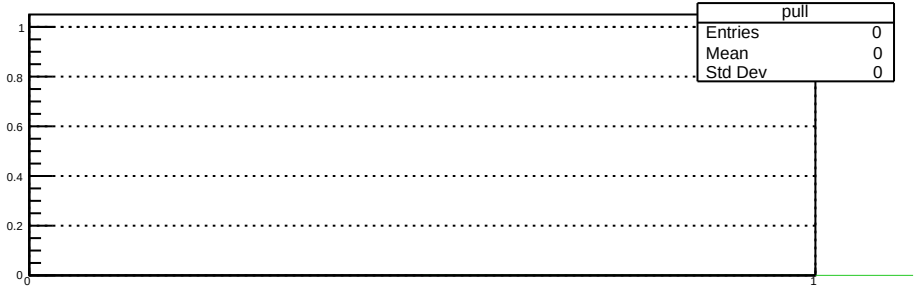

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 33.59 / 32
p0 −212.5 ± 166.4
2000
0
−2000
−4000
−6000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 26.62
Std Dev 34
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

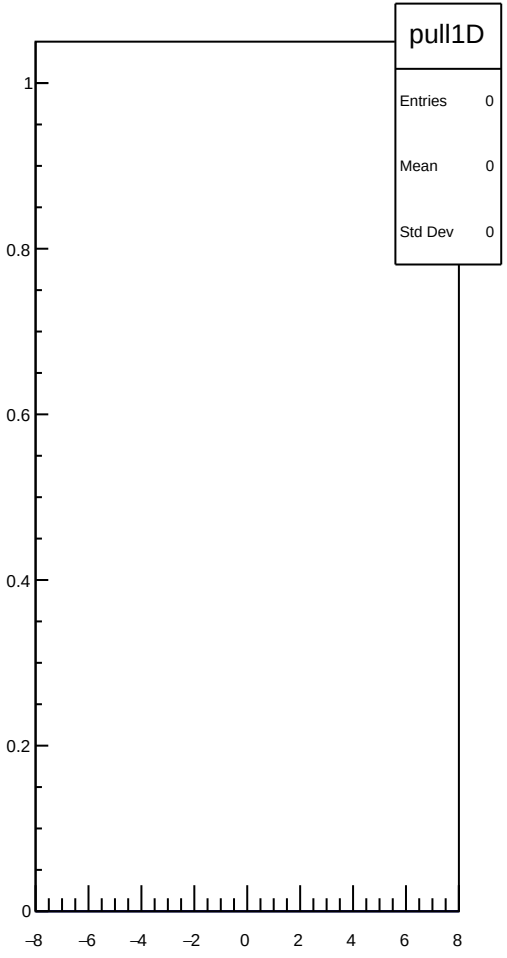

pull1D
Entries 33
Mean −0.02168
Std Dev 1.009
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

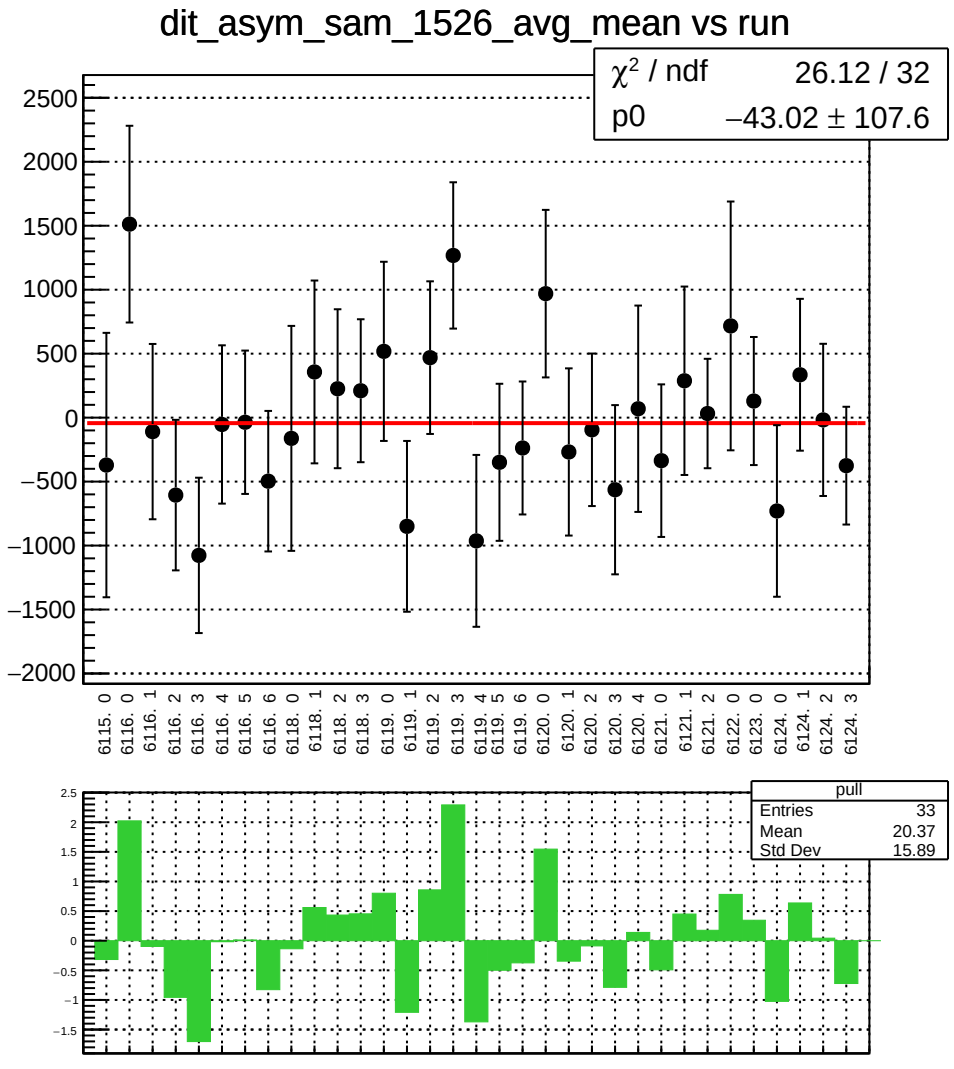

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 2233 / 32
p0 94.93 ± 0.1177
120
115
110
105
100
95
90
85
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

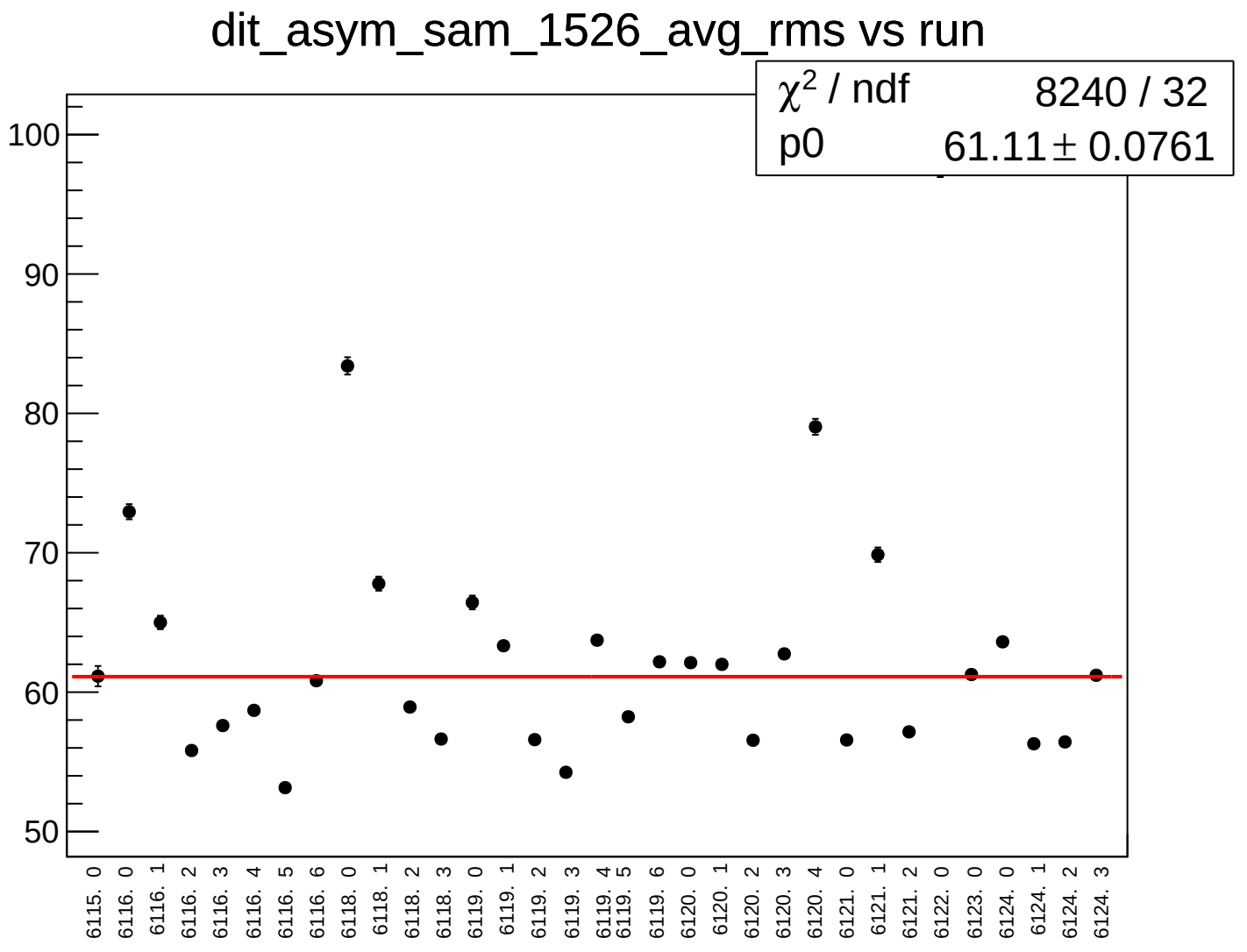

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

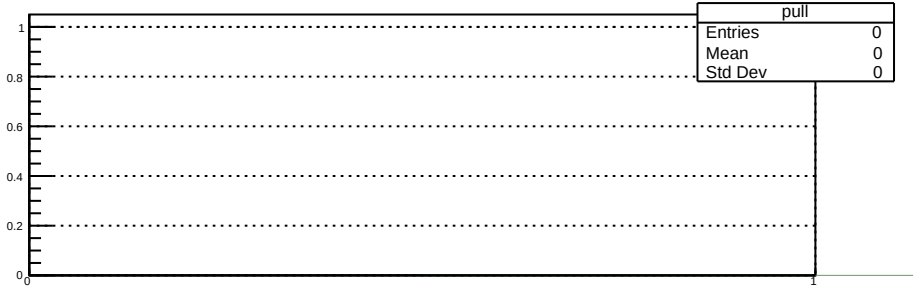

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

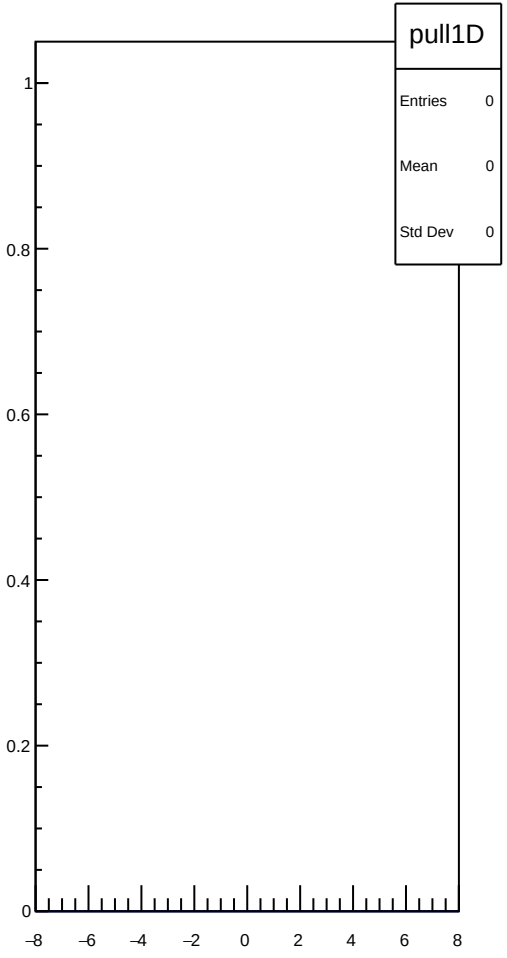

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

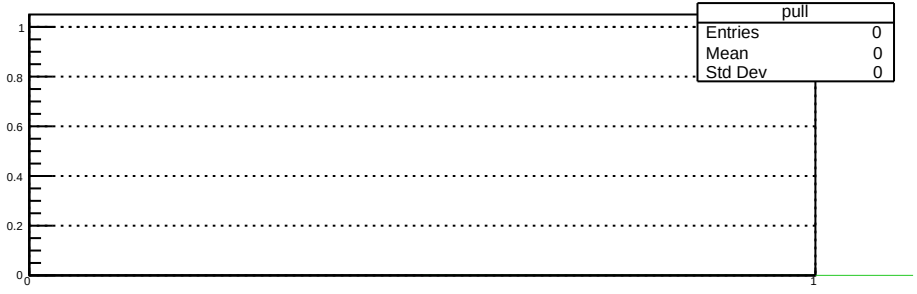

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

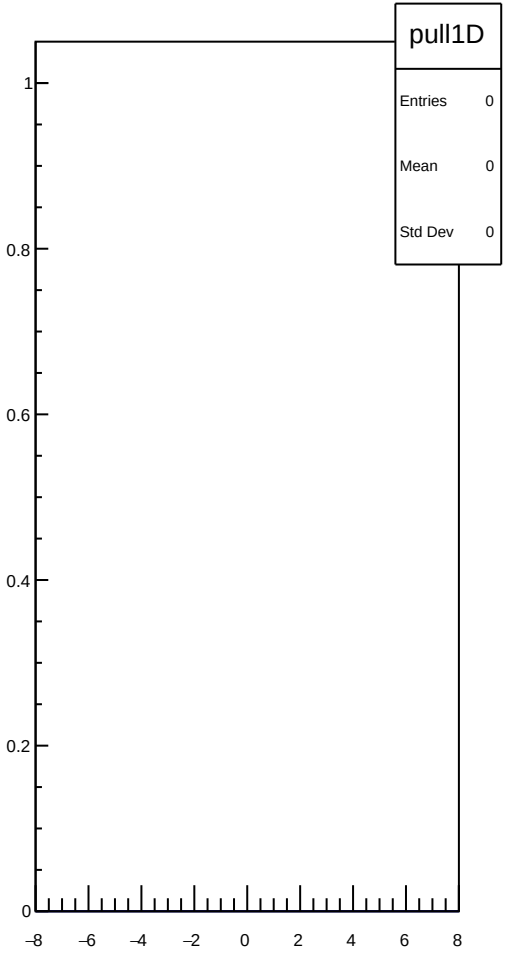

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 26.12 / 32
p0 −43.02 ± 107.6
2500
2000
1500
1000
500
0
−500
−1000
−1500
−2000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 20.37
Std Dev 15.89
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.01789
Std Dev 0.8895
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

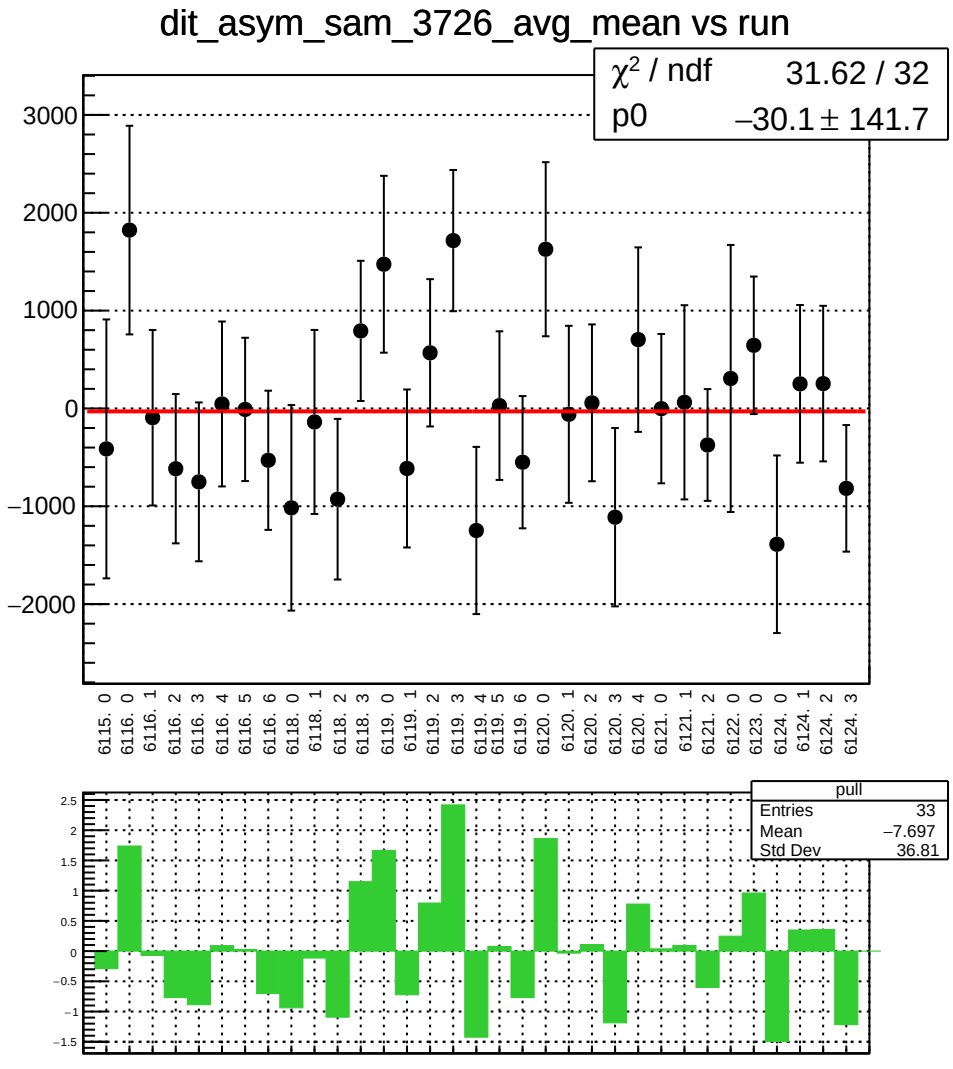

dit_asym_sam_1526_avg_rms vs run
χ² / ndf 8240 / 32
p0 61.11 ± 0.0761
100
90
80
70
60
50
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

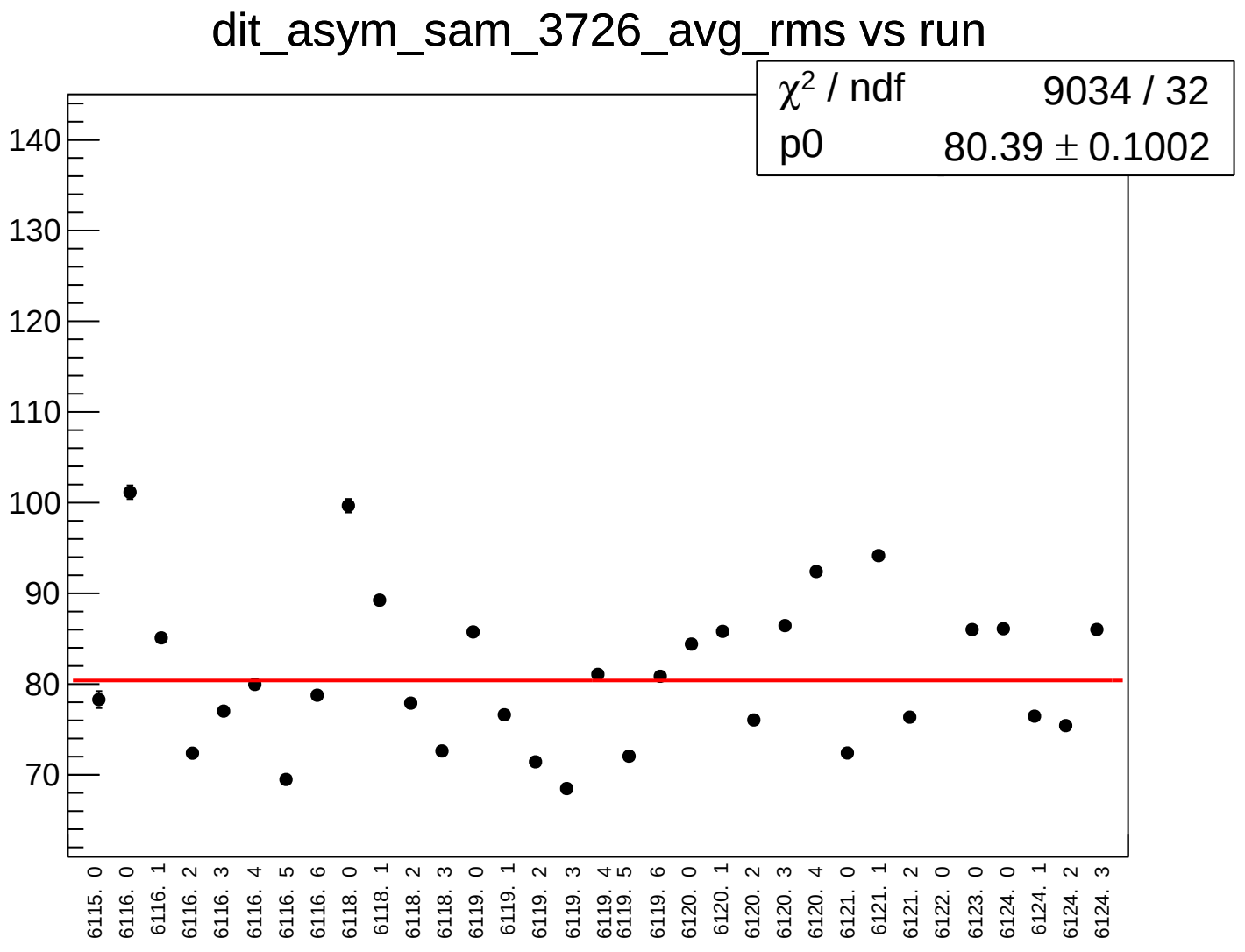

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

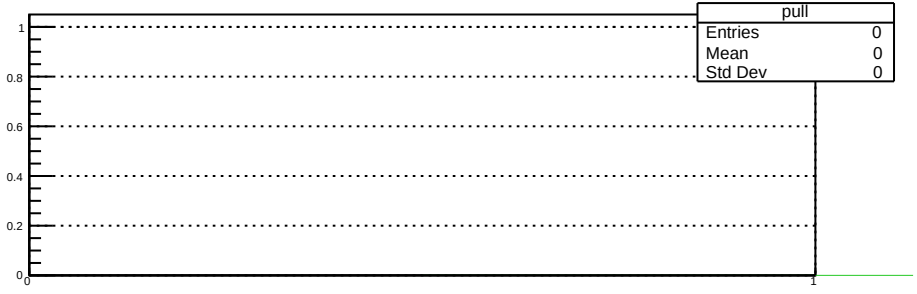

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

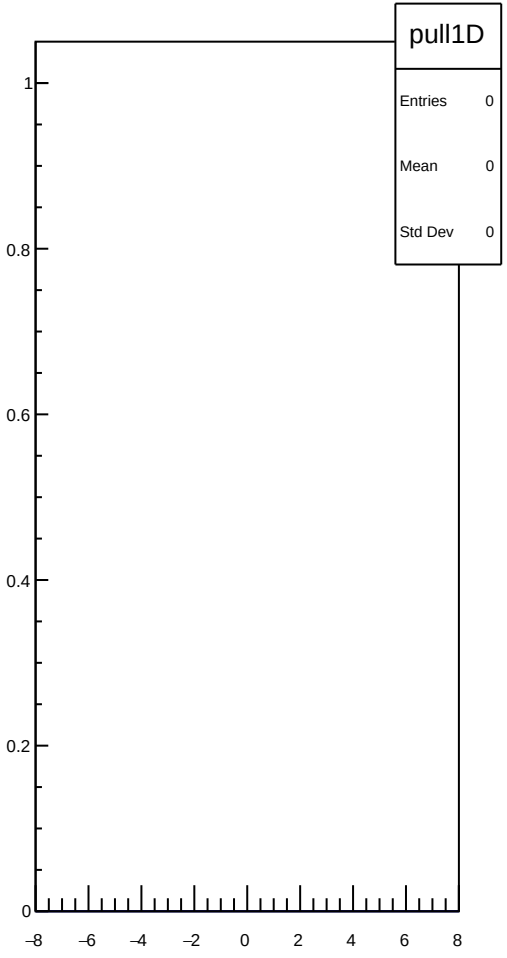

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

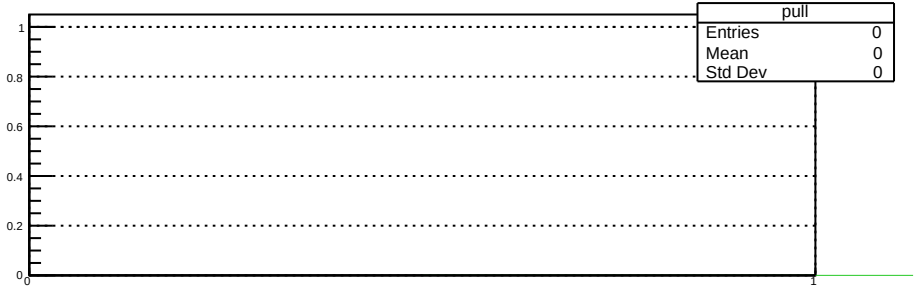

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

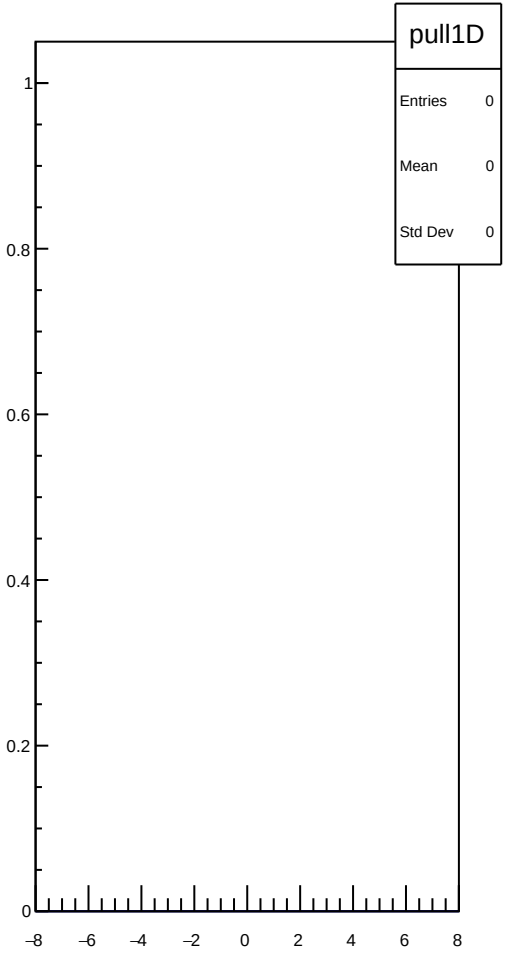

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 31.62 / 32
p0 −30.1 ± 141.7
3000
2000
1000
0
−1000
−2000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −7.697
Std Dev 36.81
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.01319
Std Dev 0.9787
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

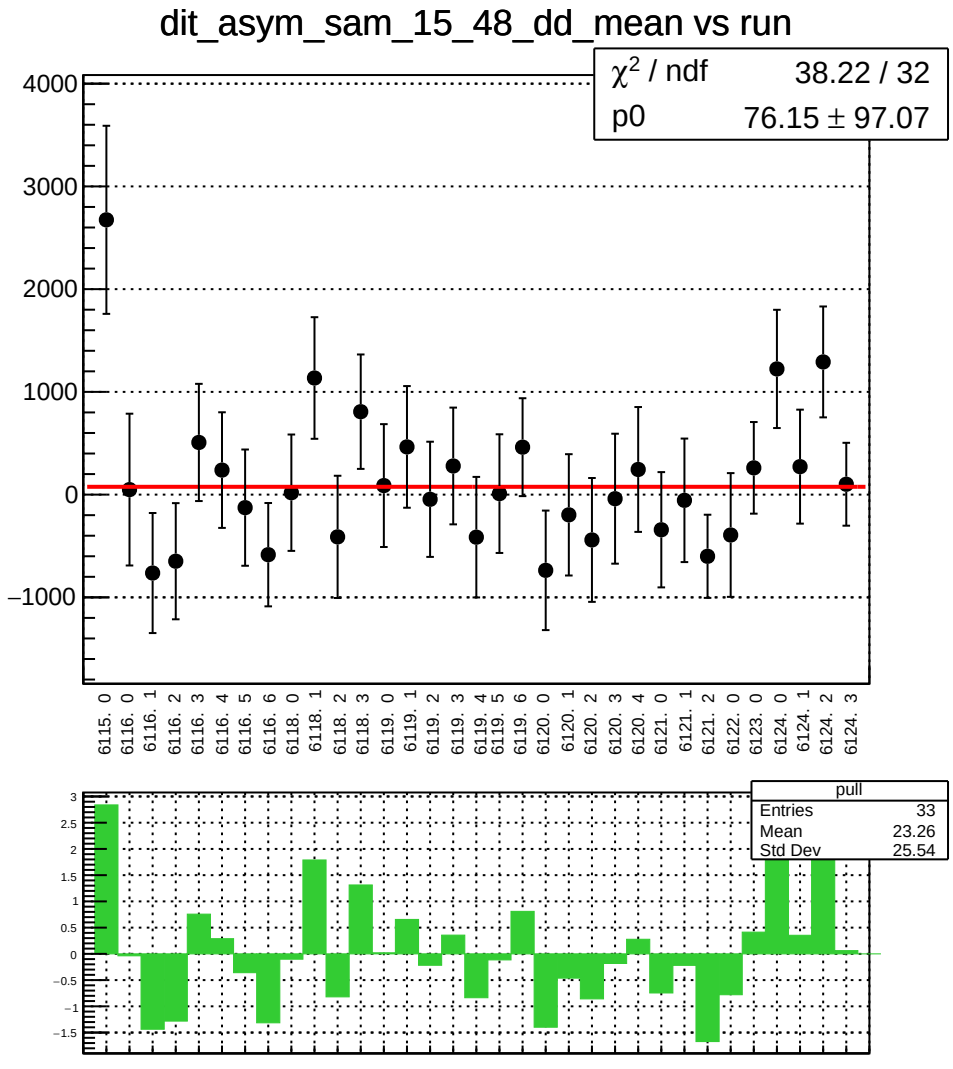

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 9034 / 32
p0 80.39 ± 0.1002
140
130
120
110
100
90
80
70
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

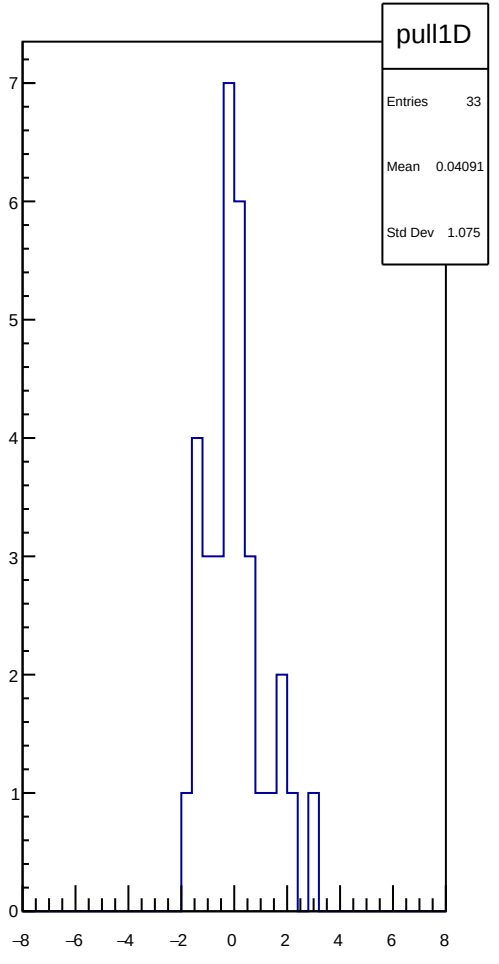

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

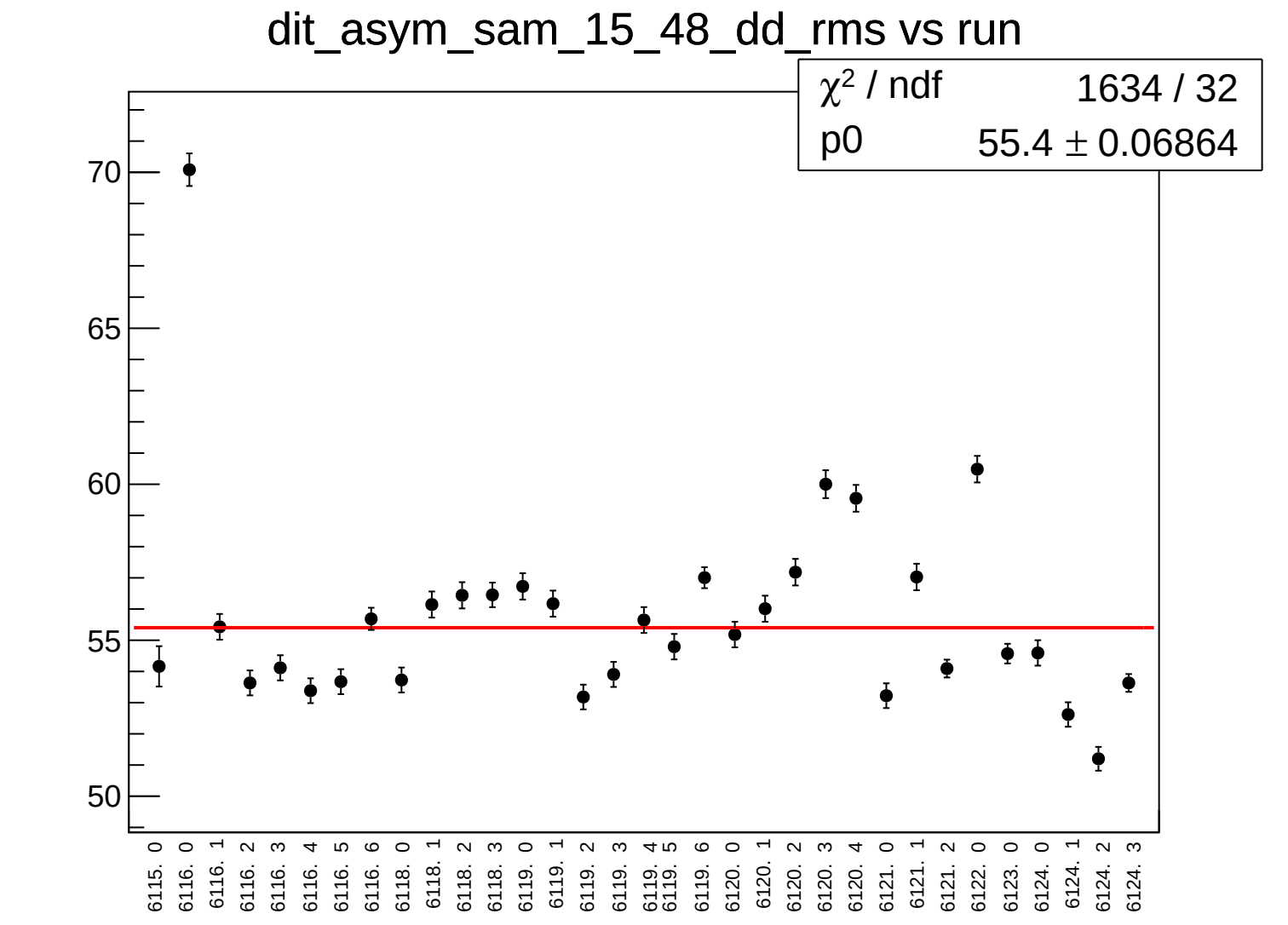

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

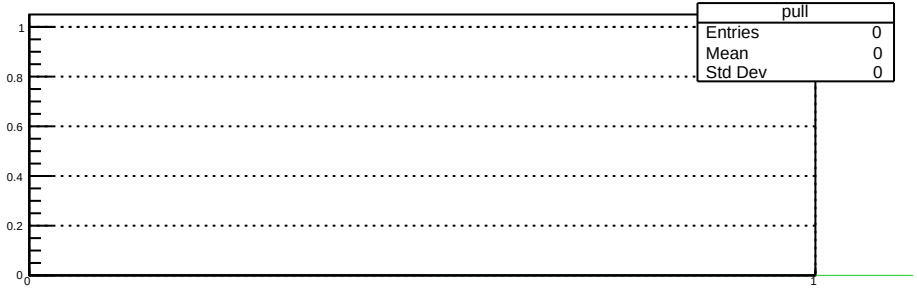

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

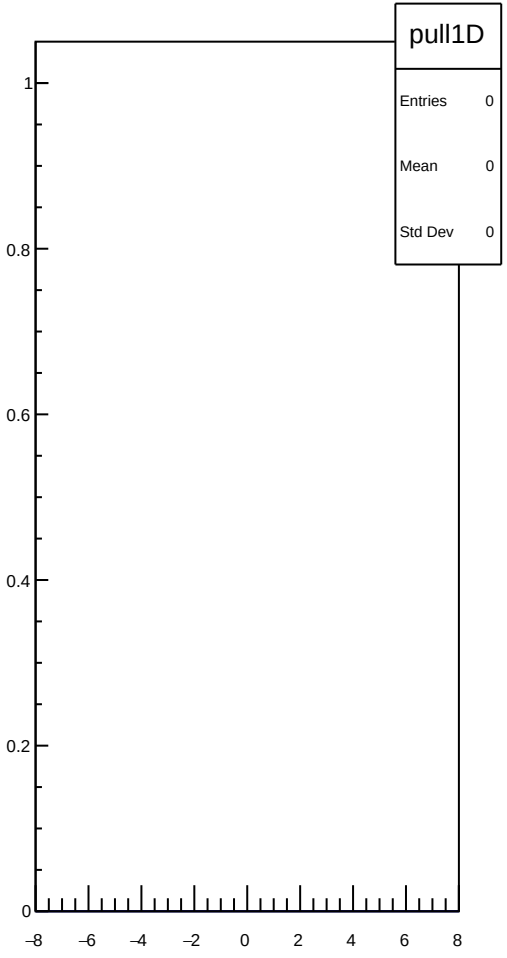

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

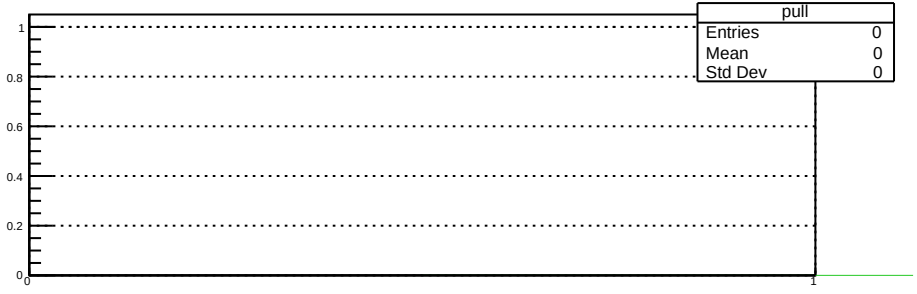

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 38.22 / 32
p0 76.15 ± 97.07
4000
3000
2000
1000
0
−1000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 23.26
Std Dev 25.54
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

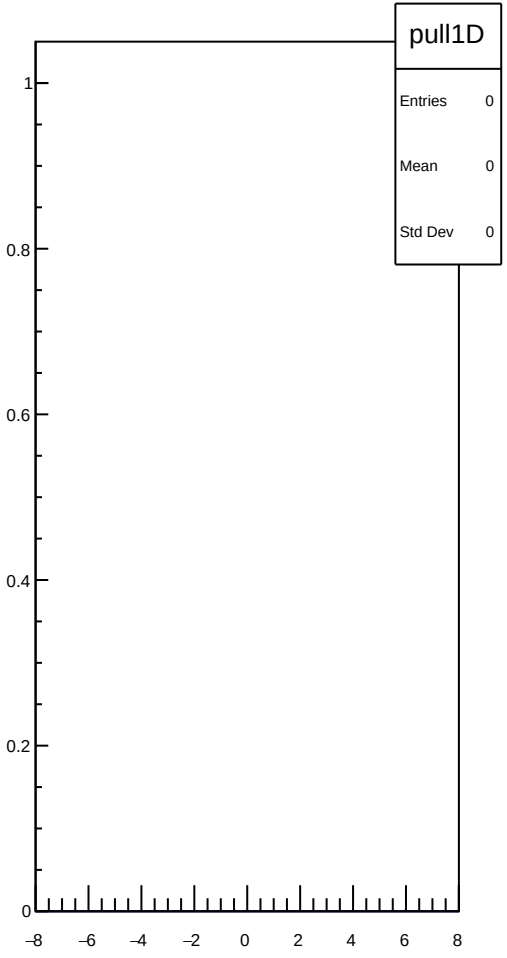

pull1D
Entries 33
Mean 0.04091
Std Dev 1.075
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

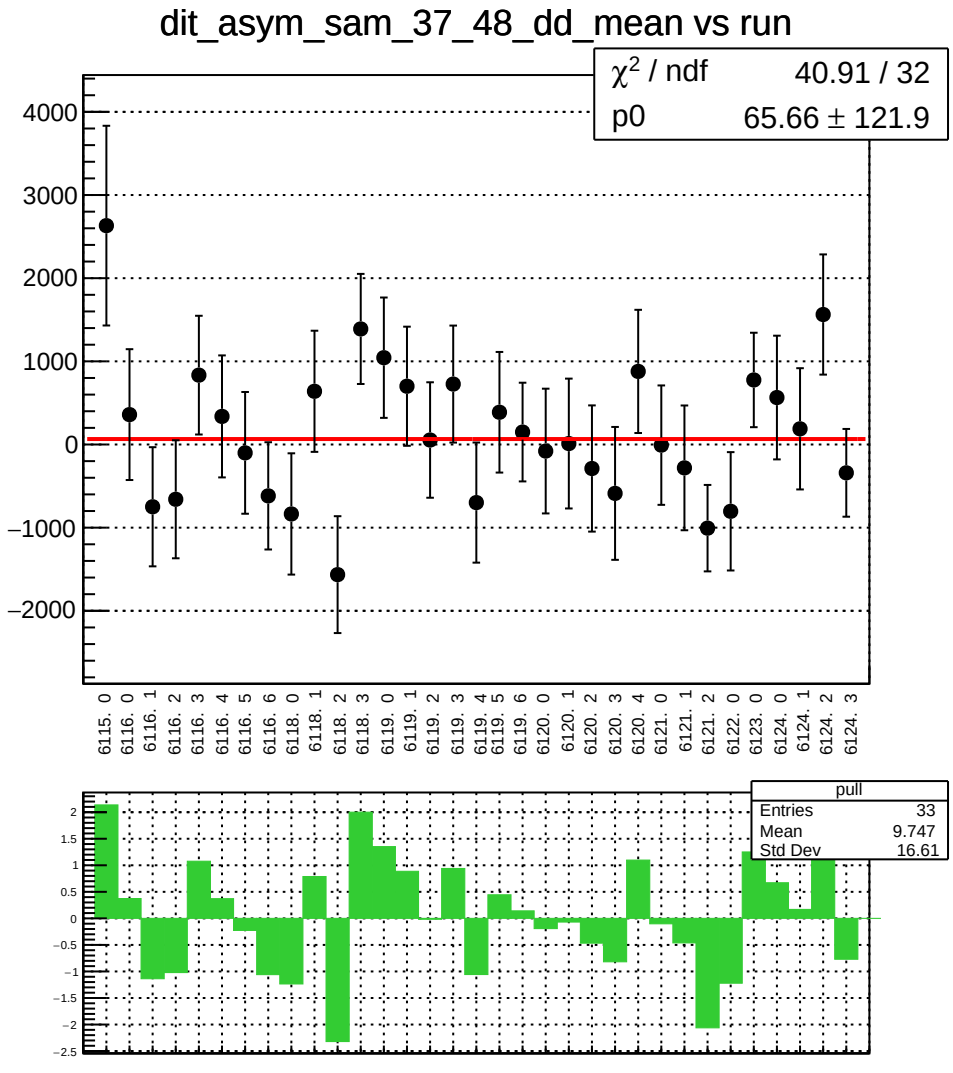

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 1634 / 32
p0 55.4 ± 0.06864
70
65
60
55
50
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

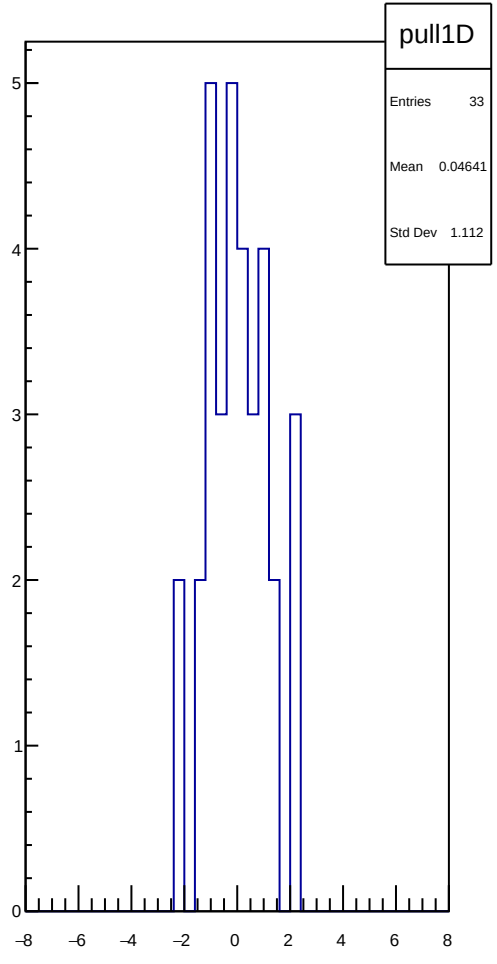

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

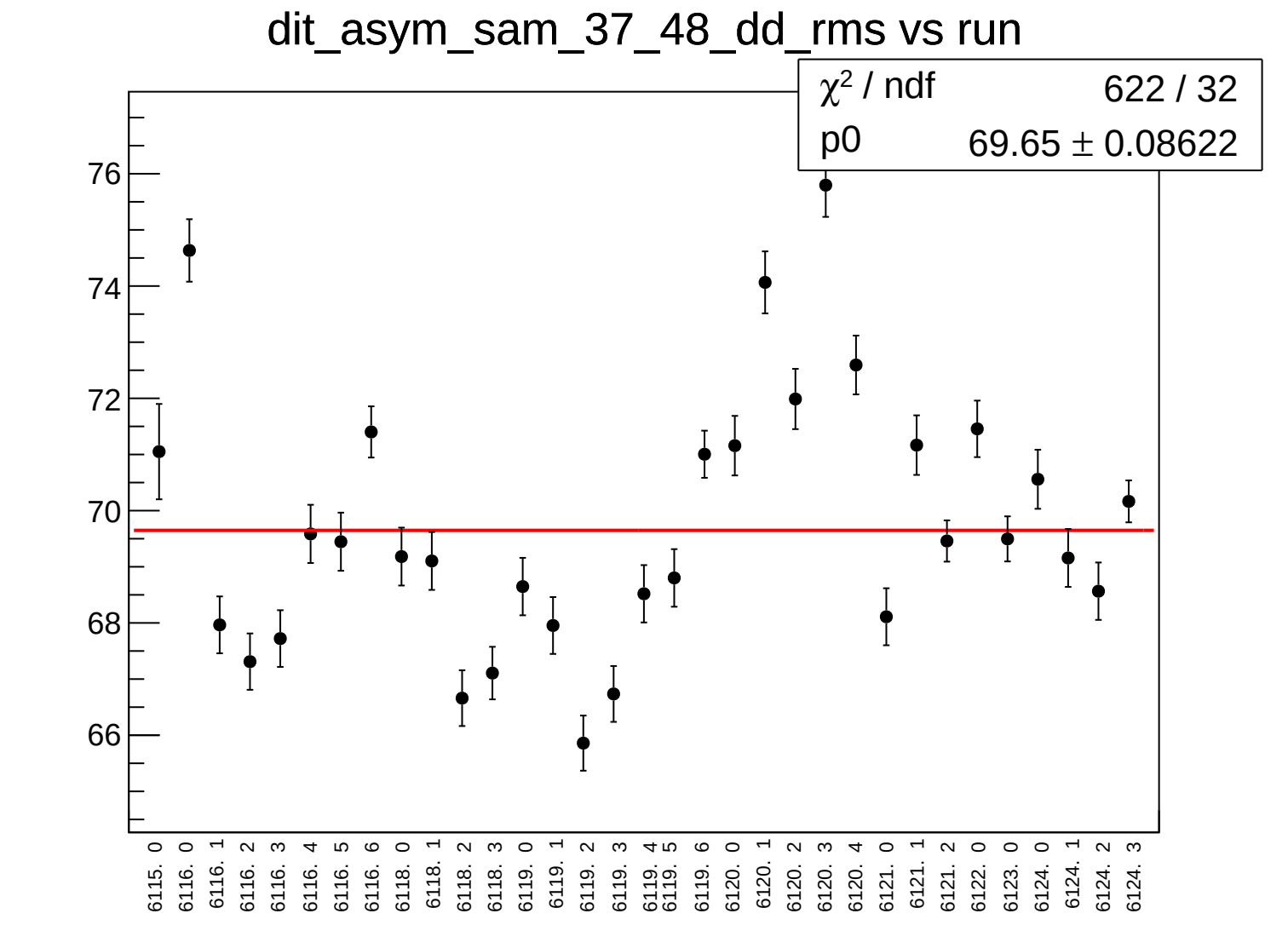

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

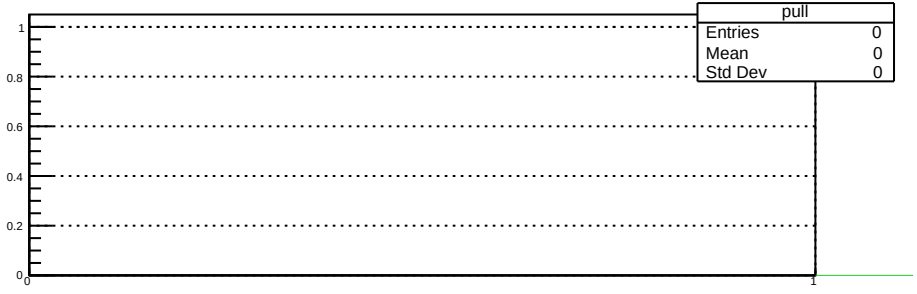

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

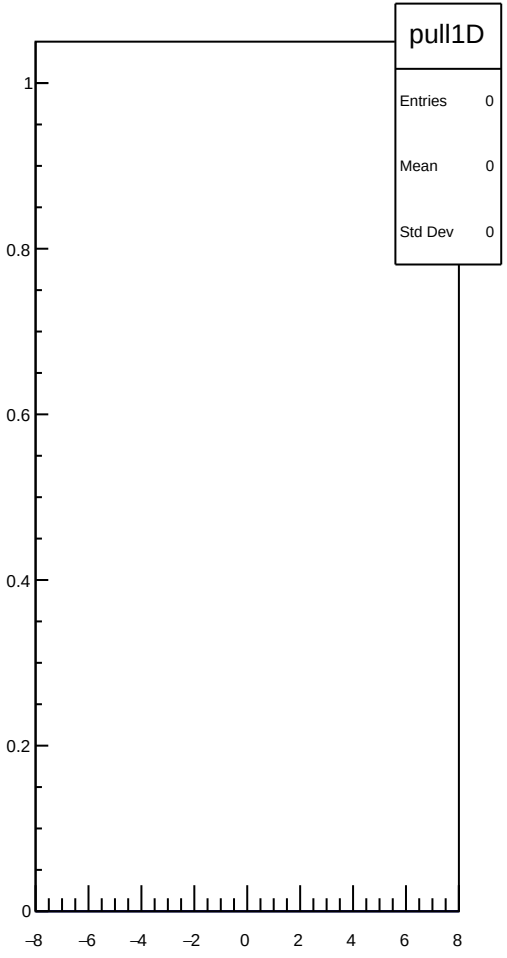

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

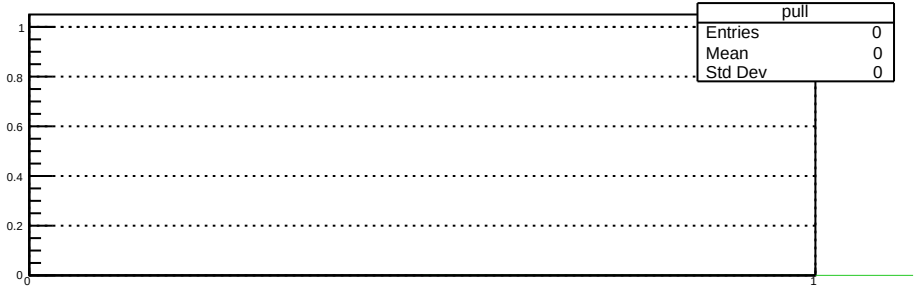

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 40.91 / 32
p0 65.66 ± 121.9
4000
3000
2000
1000
0
−1000
−2000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 9.747
Std Dev 16.61
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

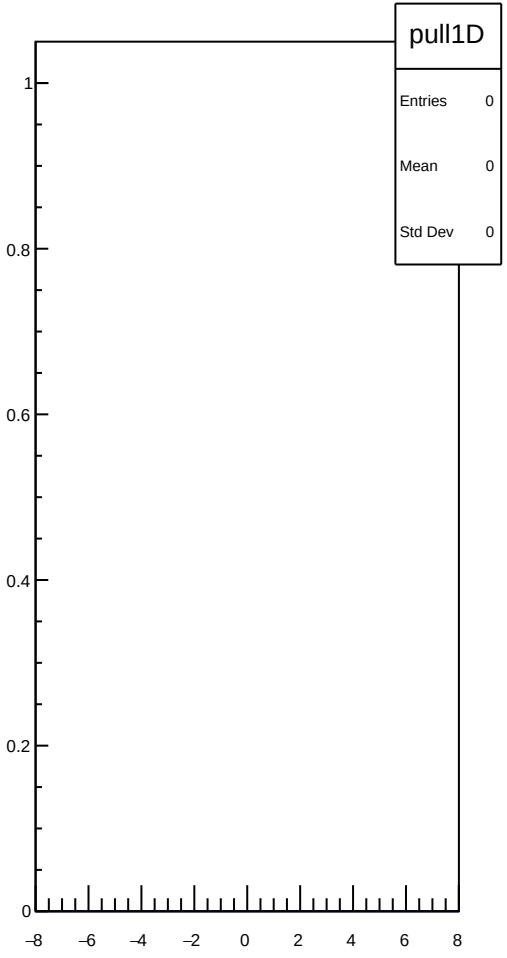

pull1D
Entries 33
Mean 0.04641
Std Dev 1.112
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

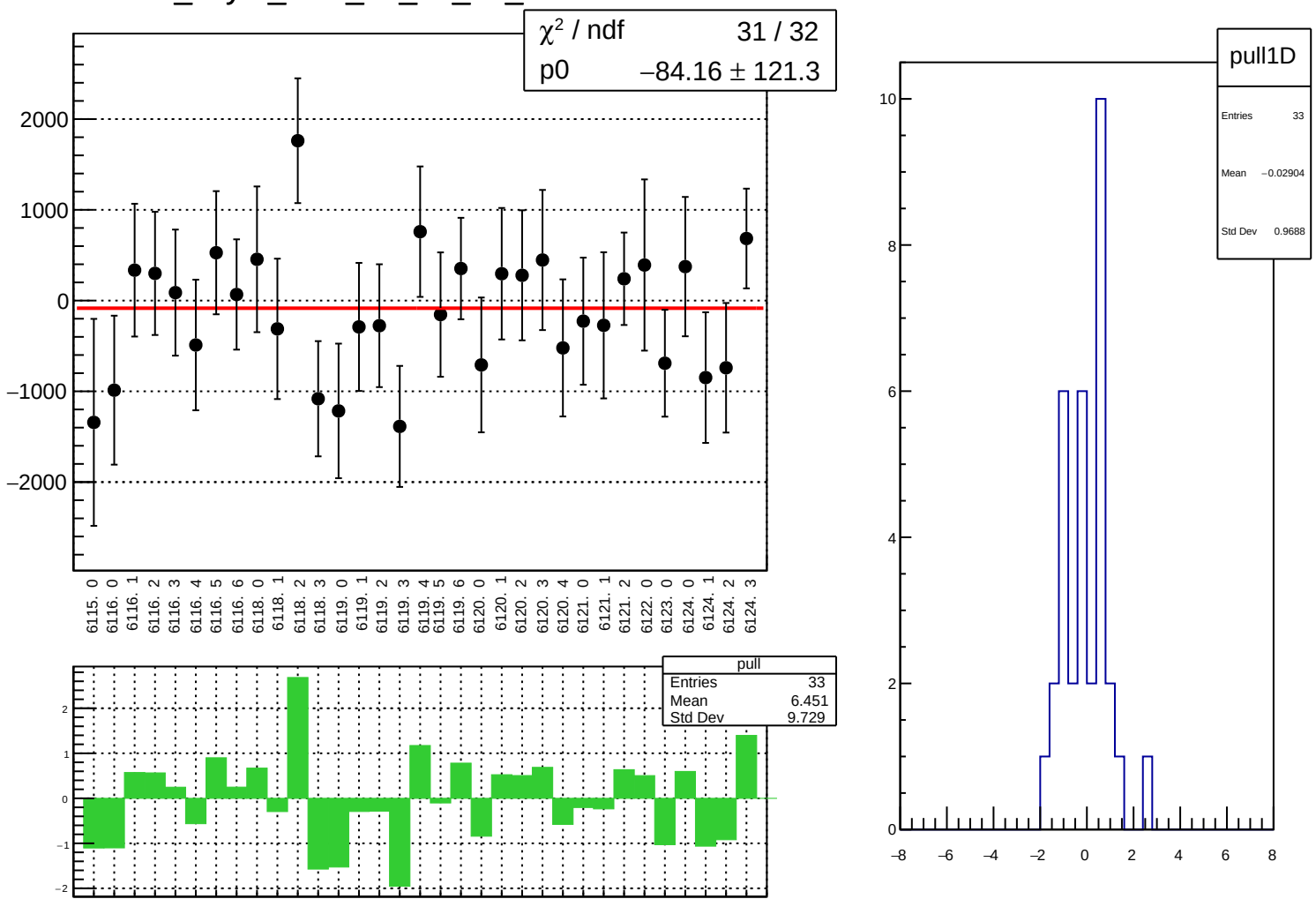

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 622 / 32
p0 69.65 ± 0.08622
76
74
72
70
68
66
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

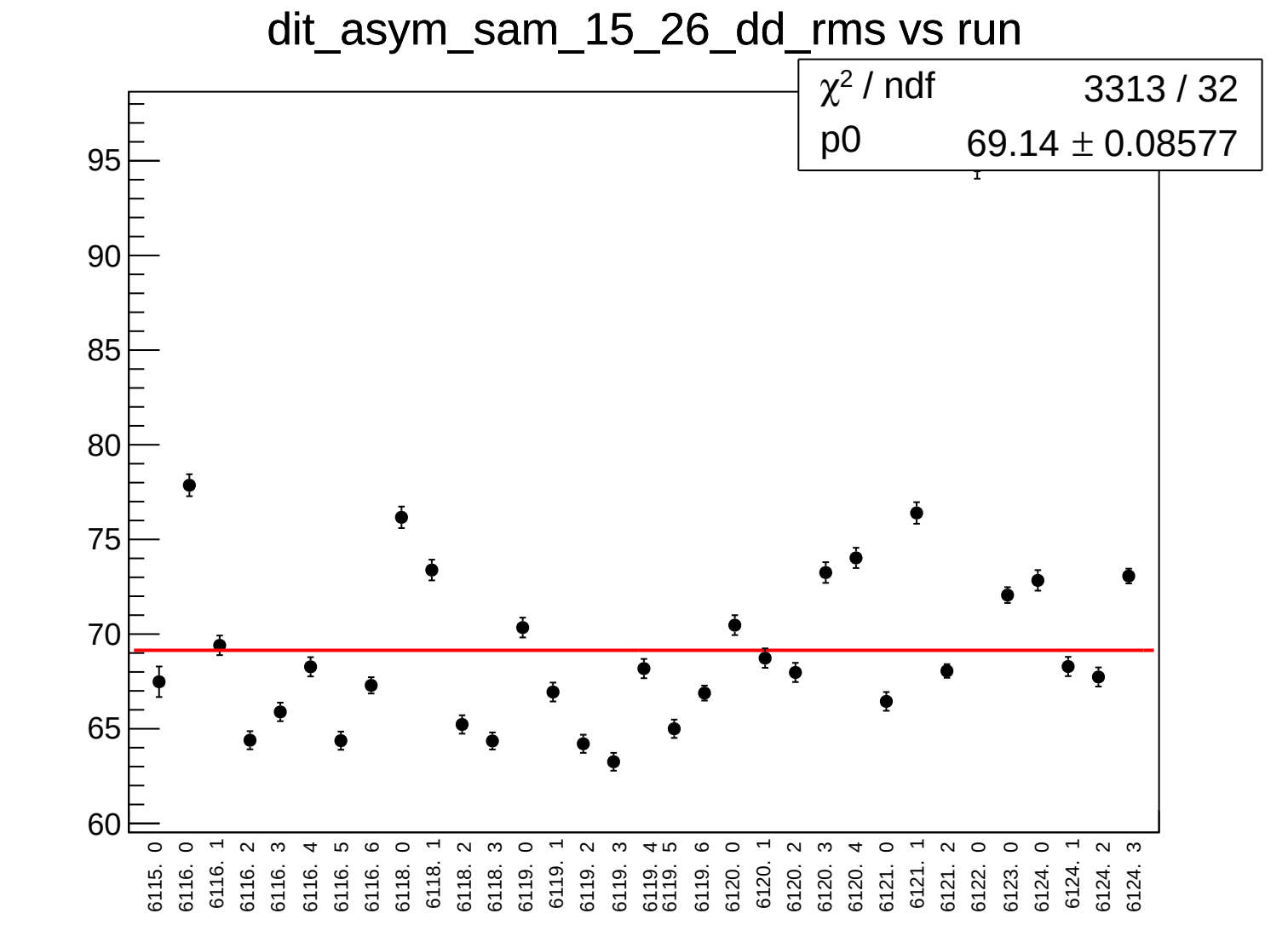

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

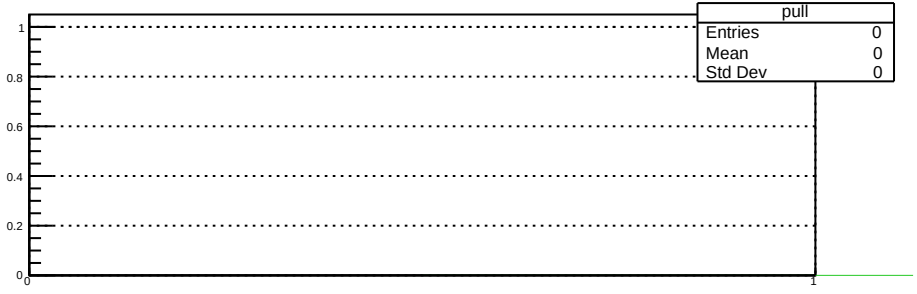

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

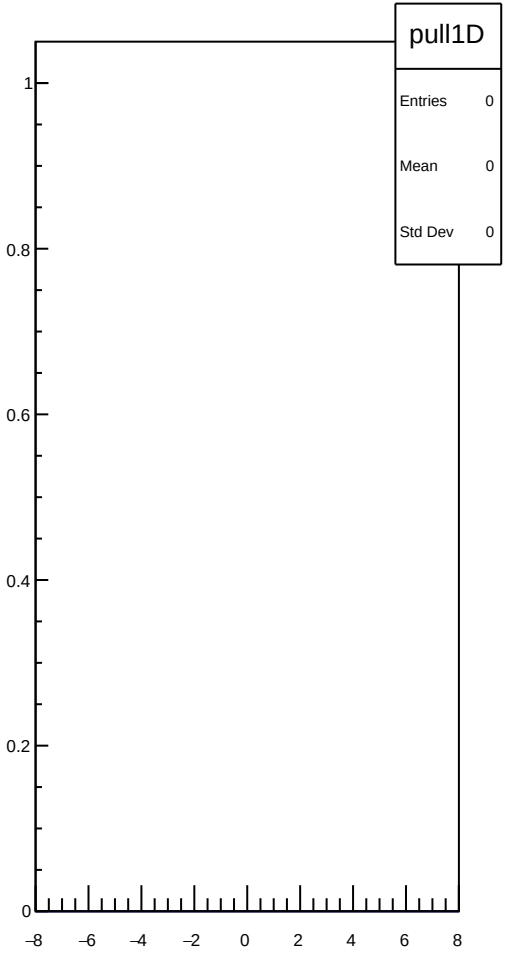

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

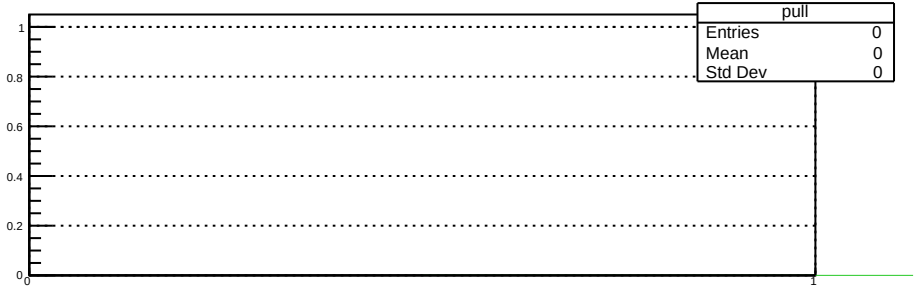

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

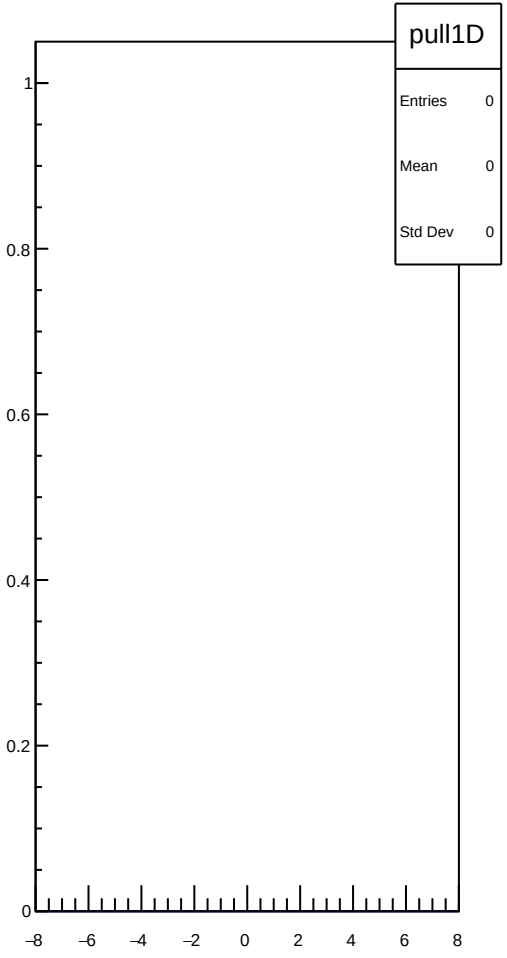

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 31 / 32
p0 −84.16 ± 121.3
2000
1000
0
−1000
−2000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 6.451
Std Dev 9.729
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.02904
Std Dev 0.9688
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

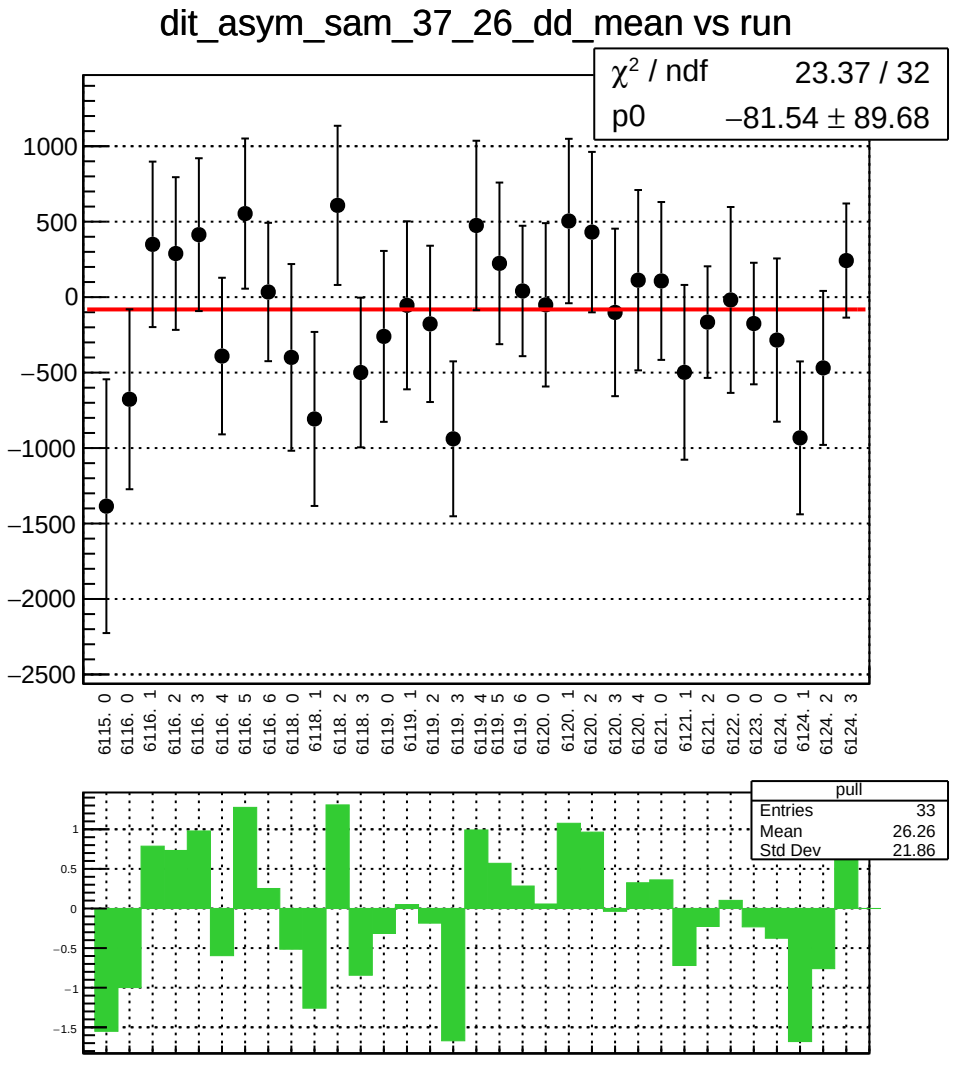

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 3313 / 32
p0 69.14 ± 0.08577
95
90
85
80
75
70
65
60
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

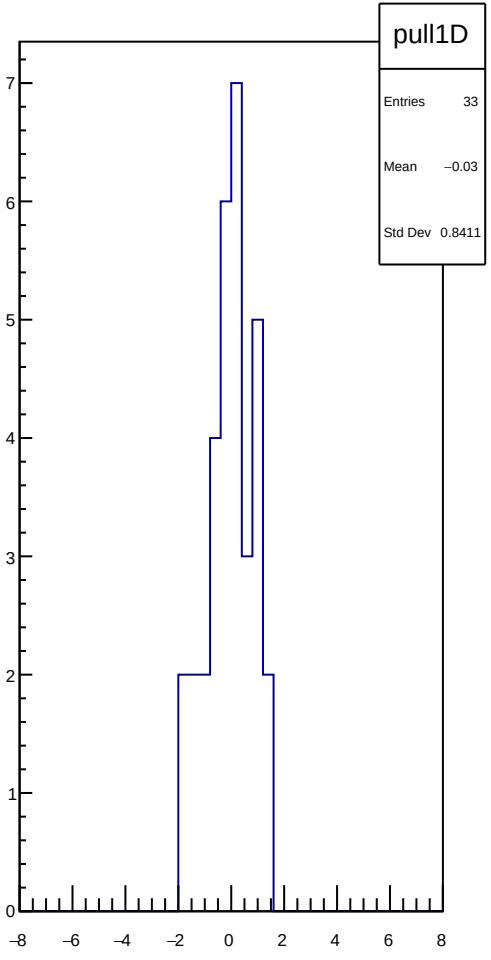

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

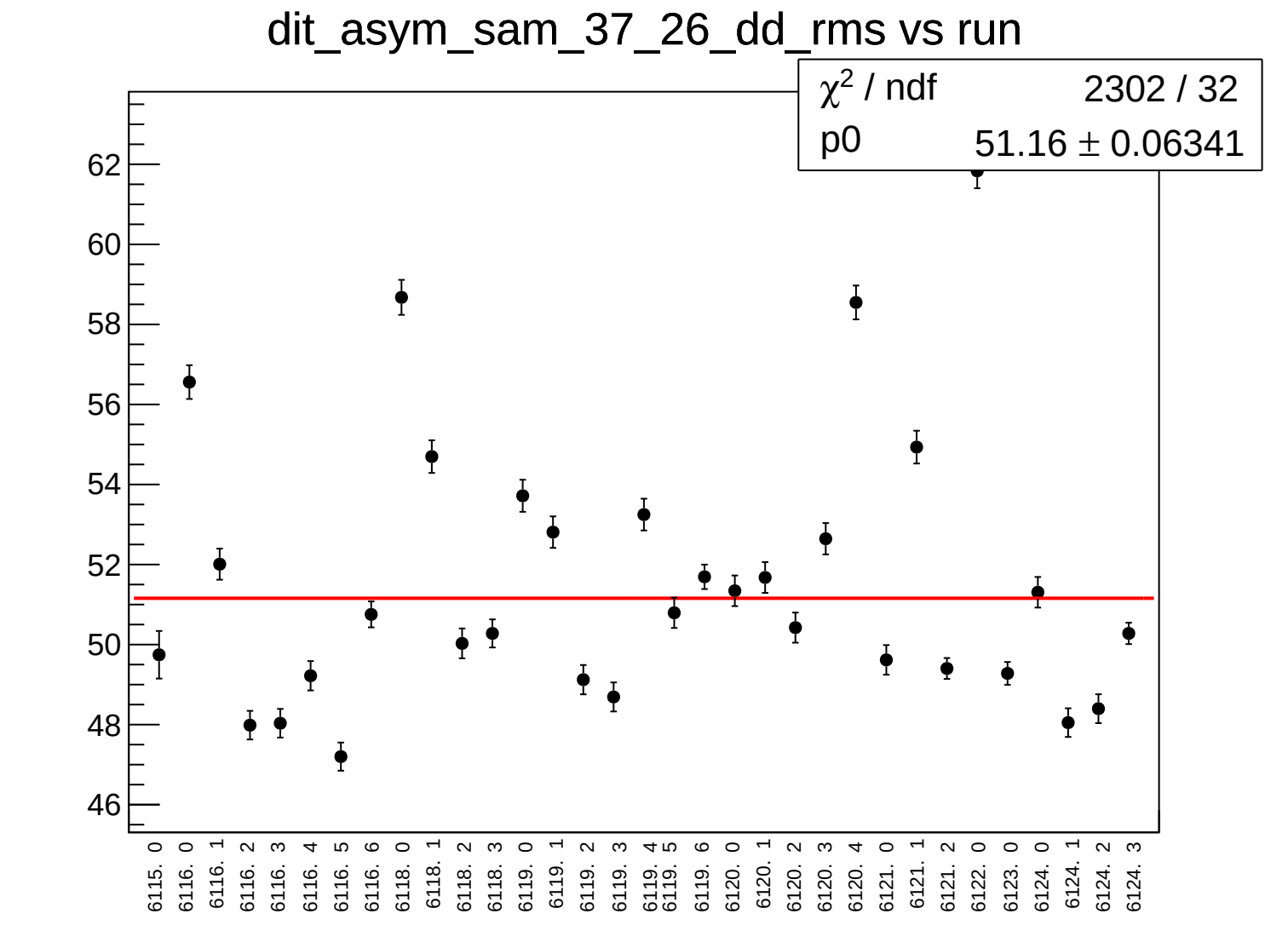

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

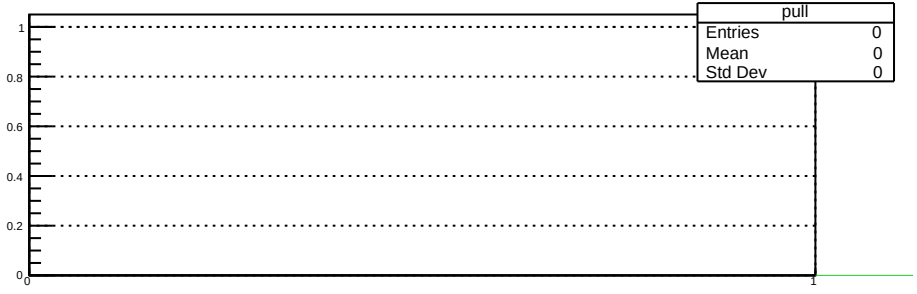

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

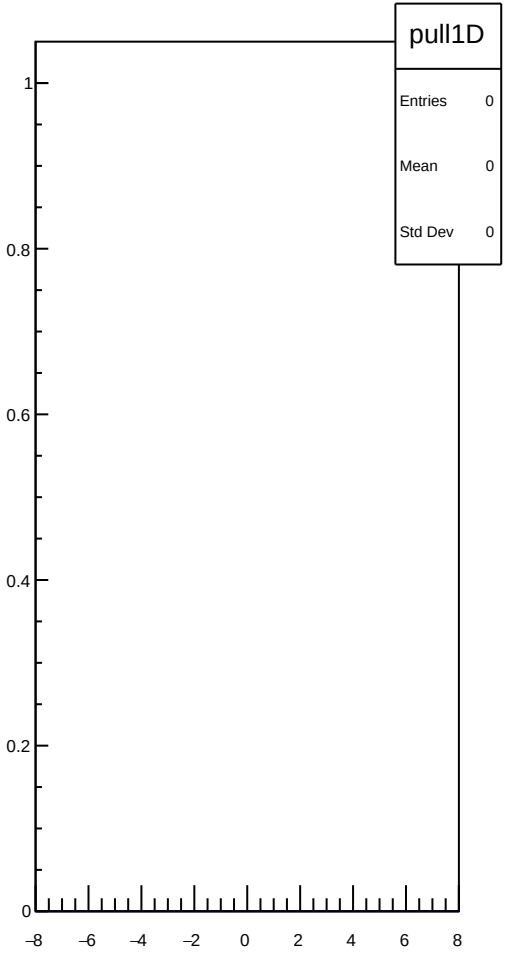

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

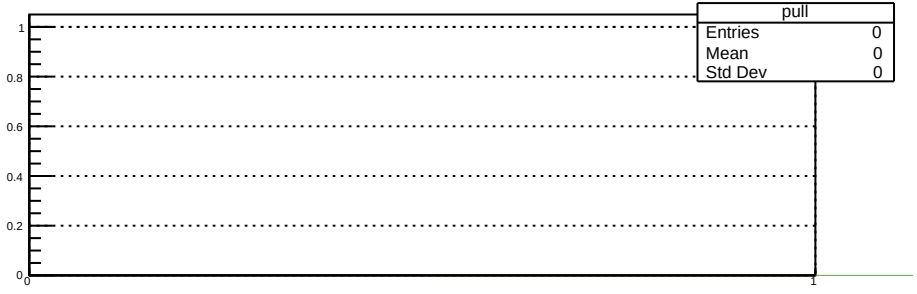

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 23.37 / 32
p0 −81.54 ± 89.68
1000
500
0
−500
−1000
−1500
−2000
−2500
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 26.26
Std Dev 21.86
1
0.5
0
−0.5
−1
−1.5

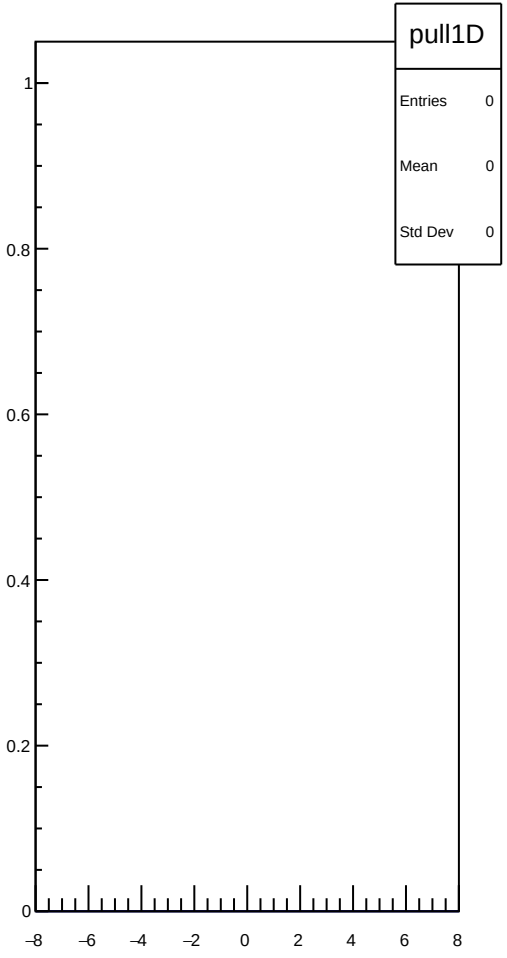

pull1D
Entries 33
Mean −0.03
Std Dev 0.8411
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

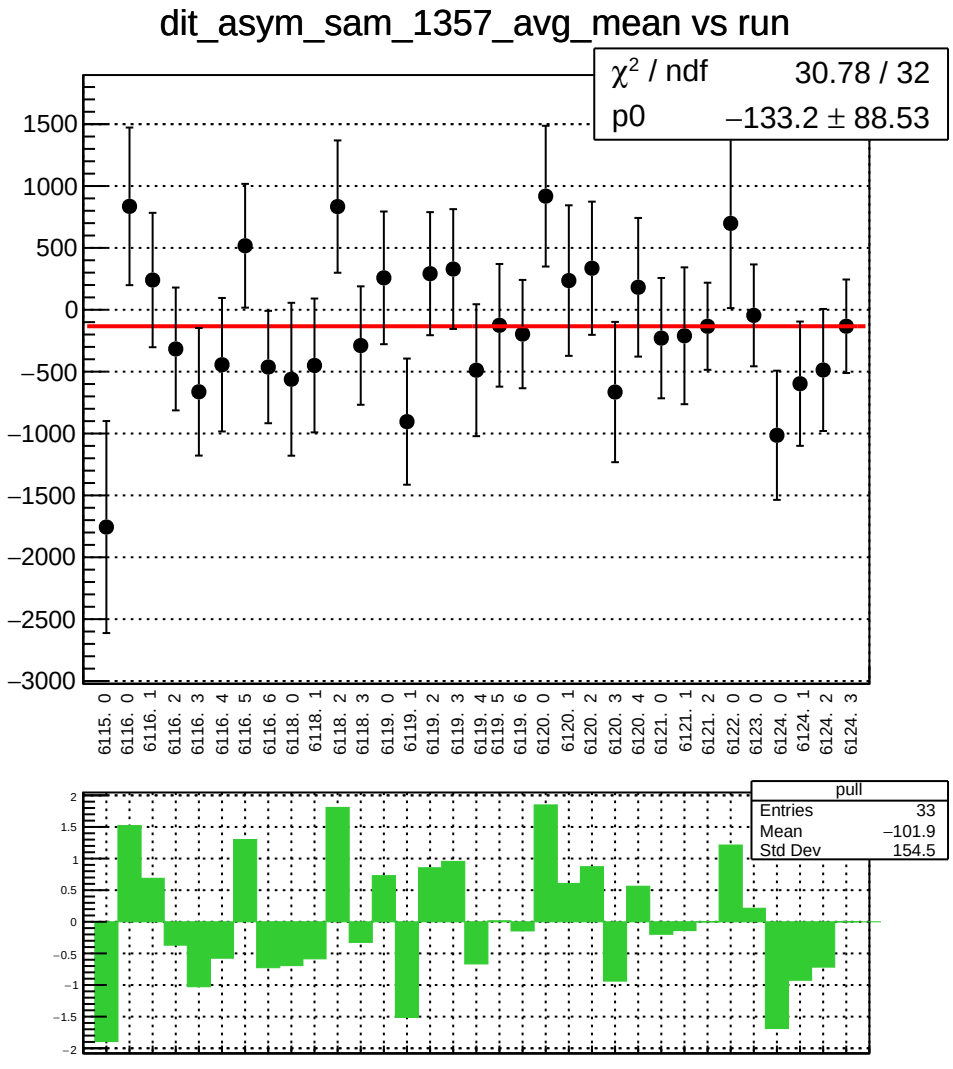

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 2302 / 32
p0 51.16 ± 0.06341
62
60
58
56
54
52
50
48
46
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

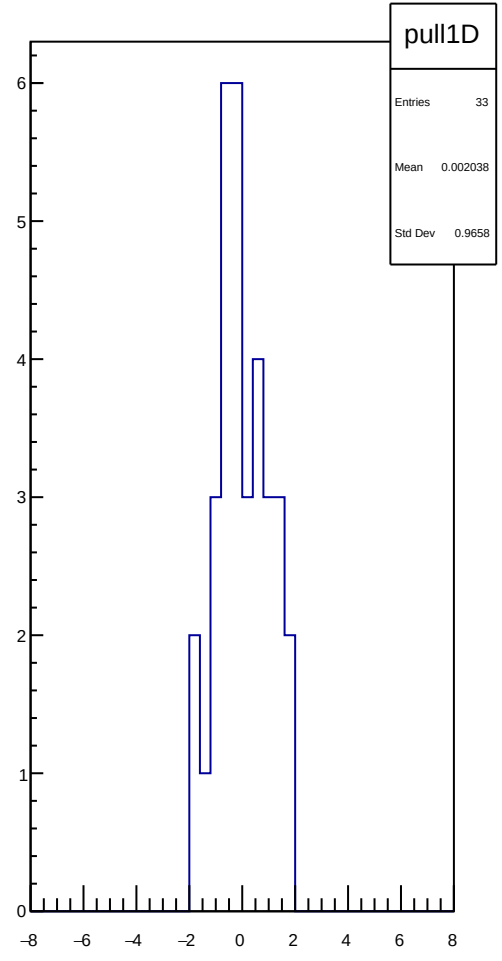

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

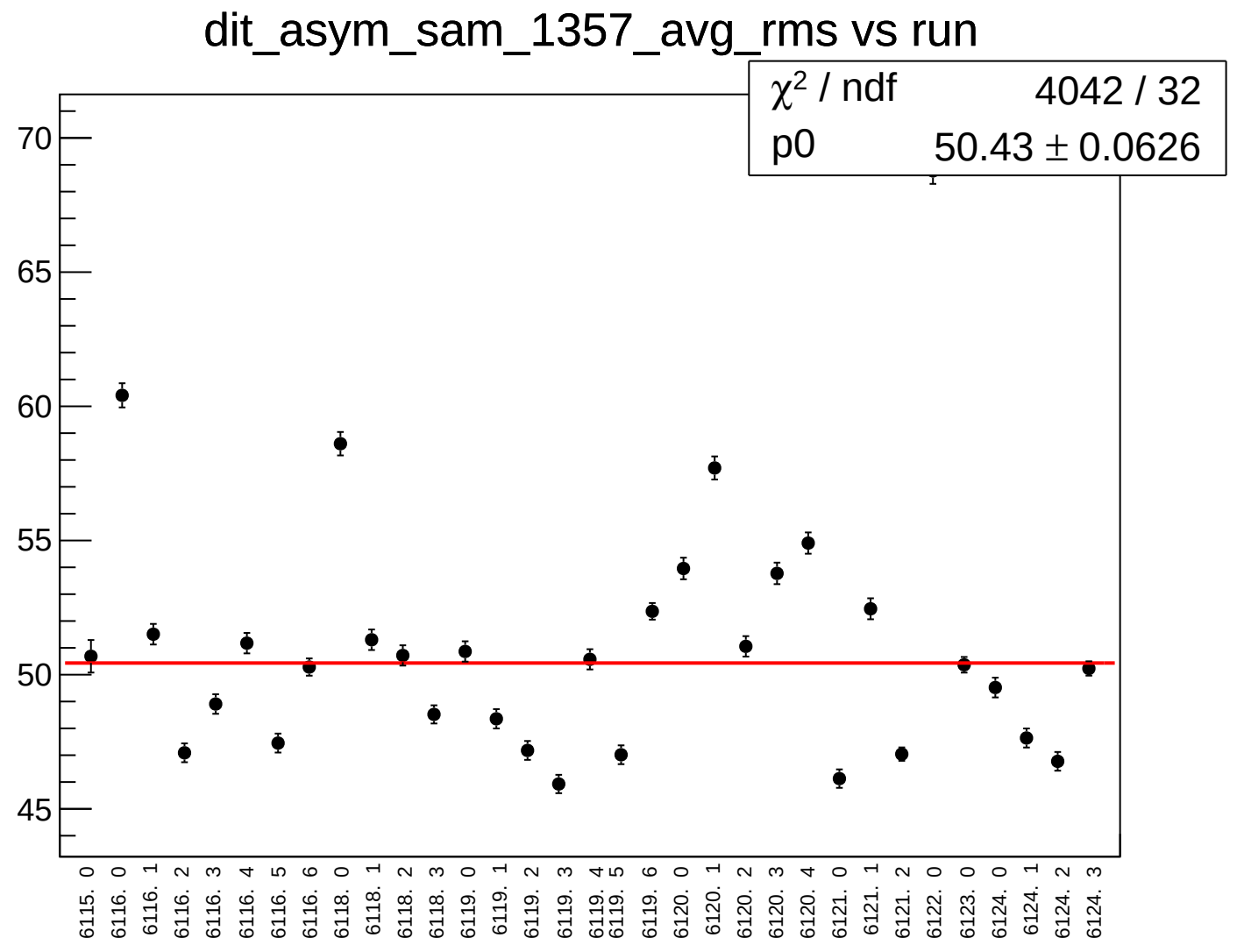

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

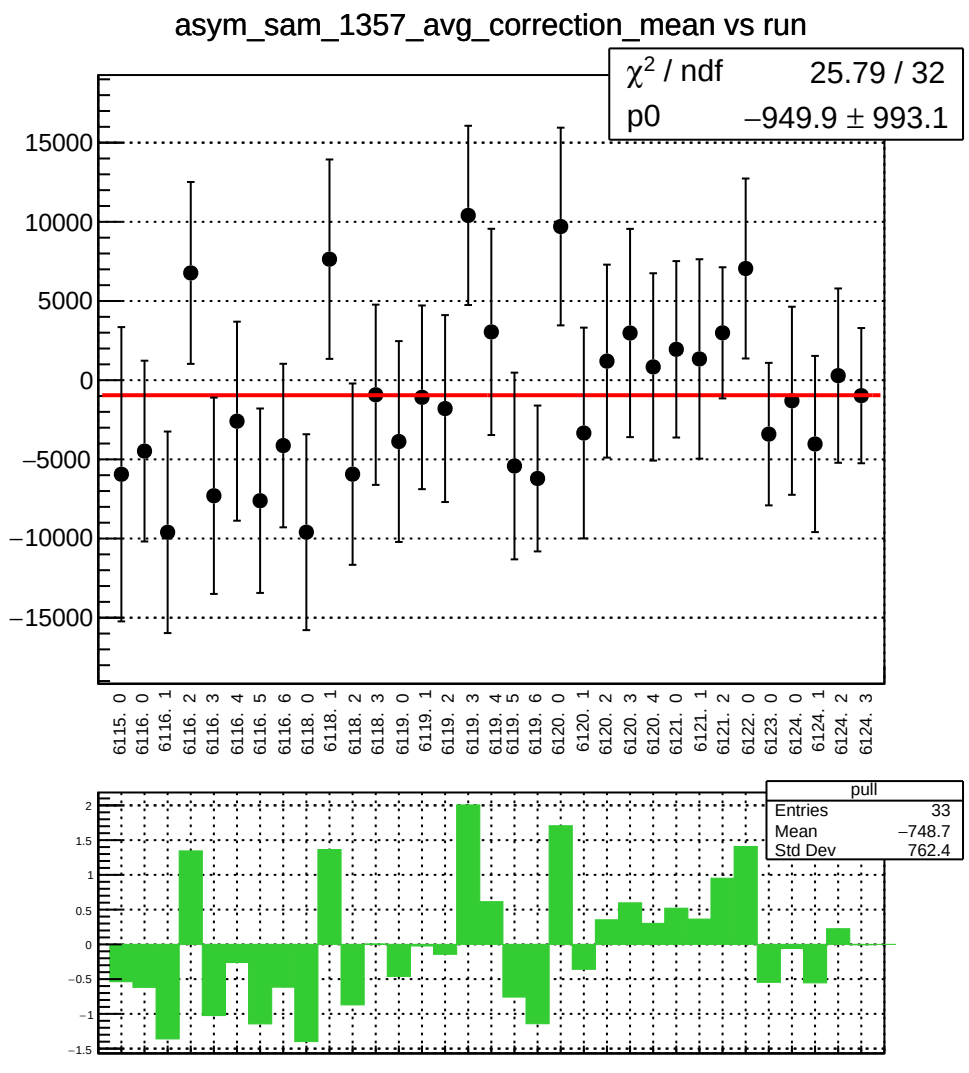

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

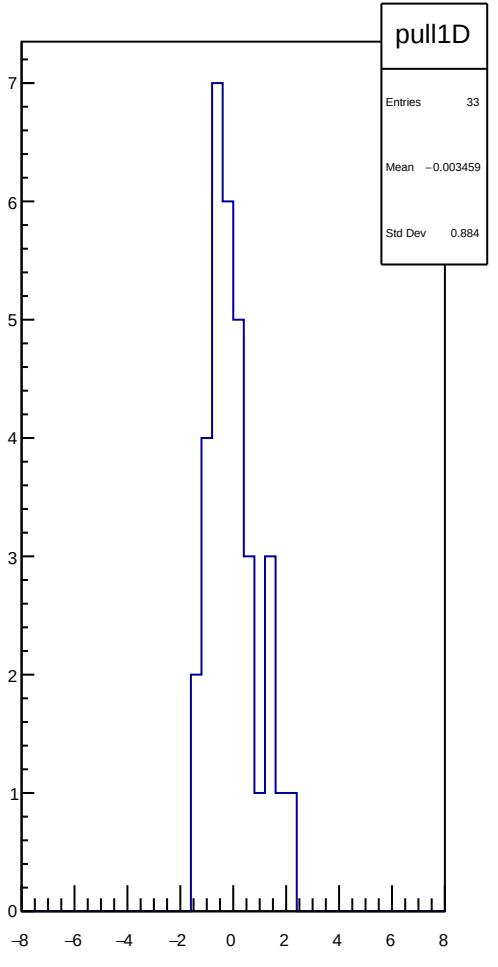

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

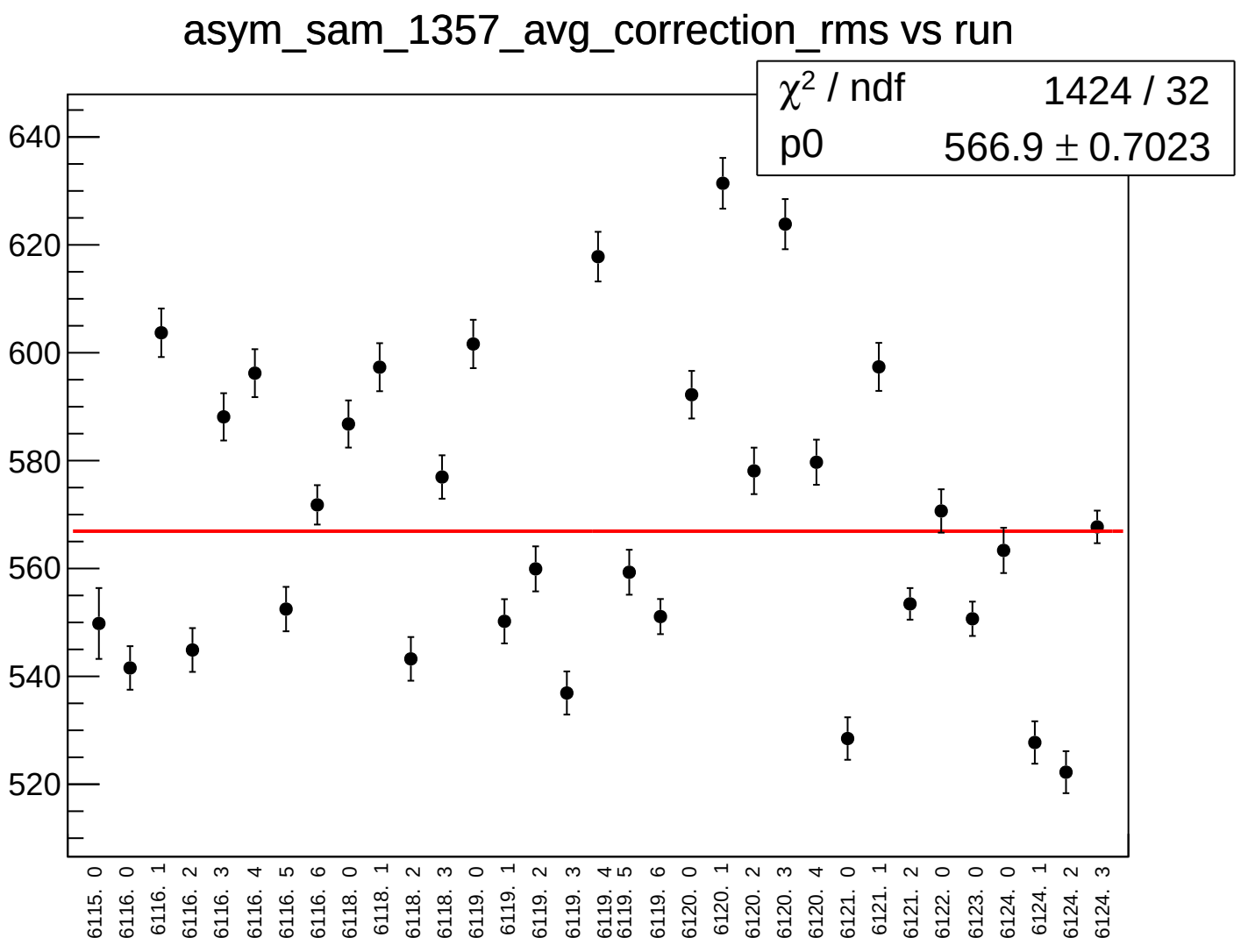

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 30.78 / 32
p0 −133.2 ± 88.53
1500
1000
500
0
−500
−1000
−1500
−2000
−2500
−3000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −101.9
Std Dev 154.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

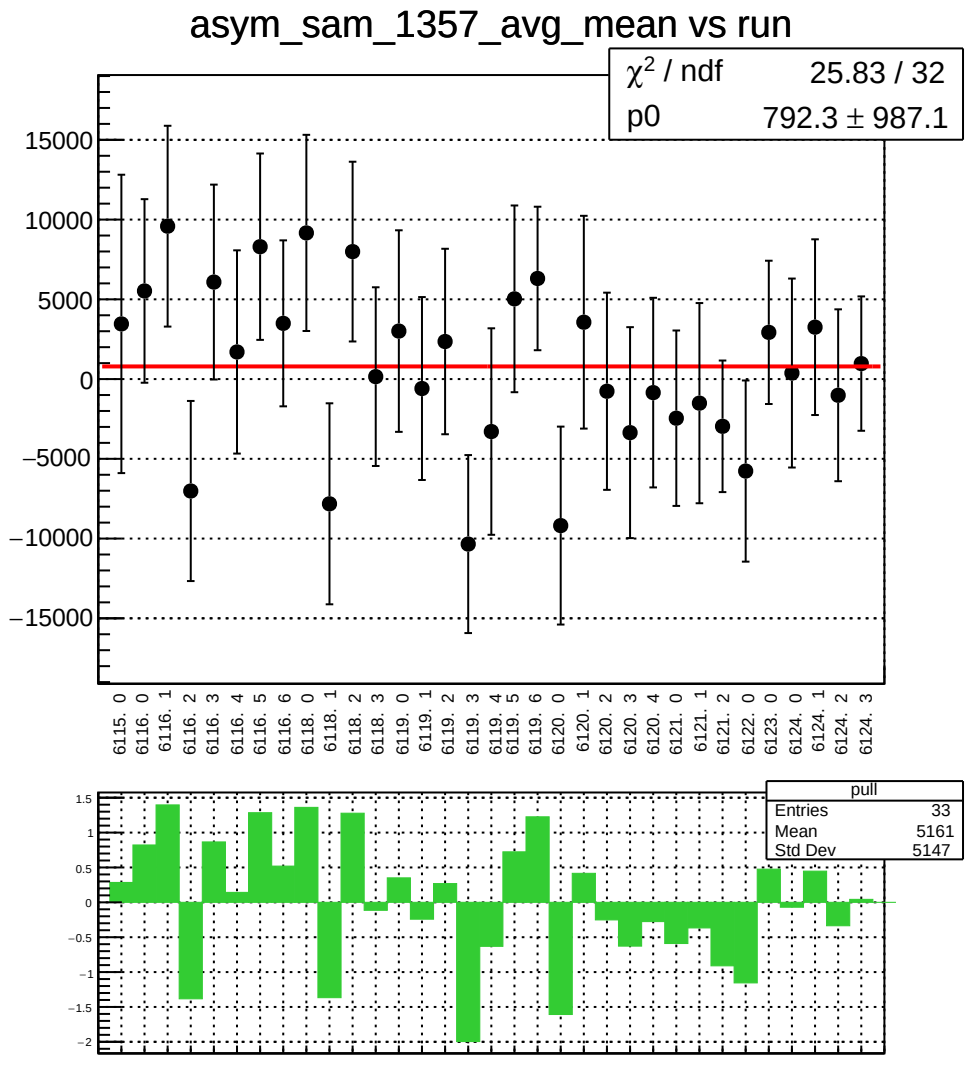

pull1D
Entries 33
Mean 0.002038
Std Dev 0.9658
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

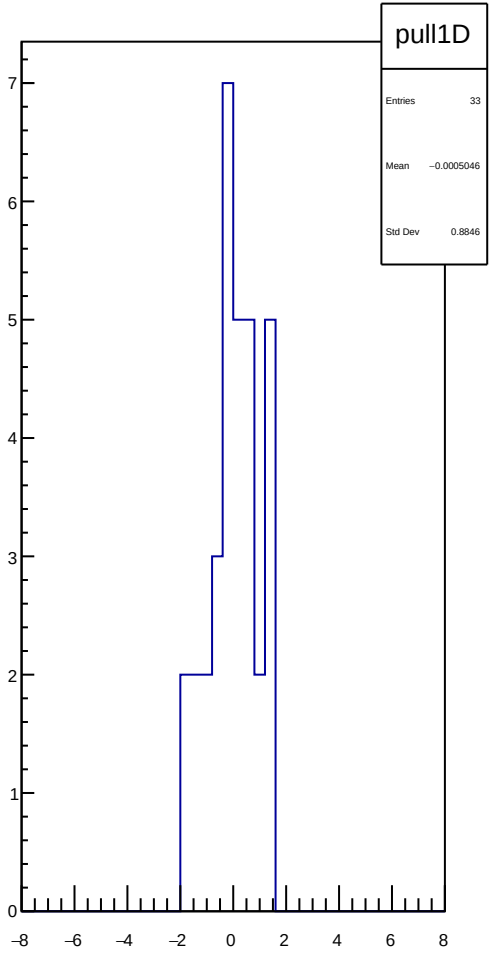

dit_asym_sam_1357_avg_rms vs run
χ² / ndf 4042 / 32
p0 50.43 ± 0.0626
70
65
60
55
50
45
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

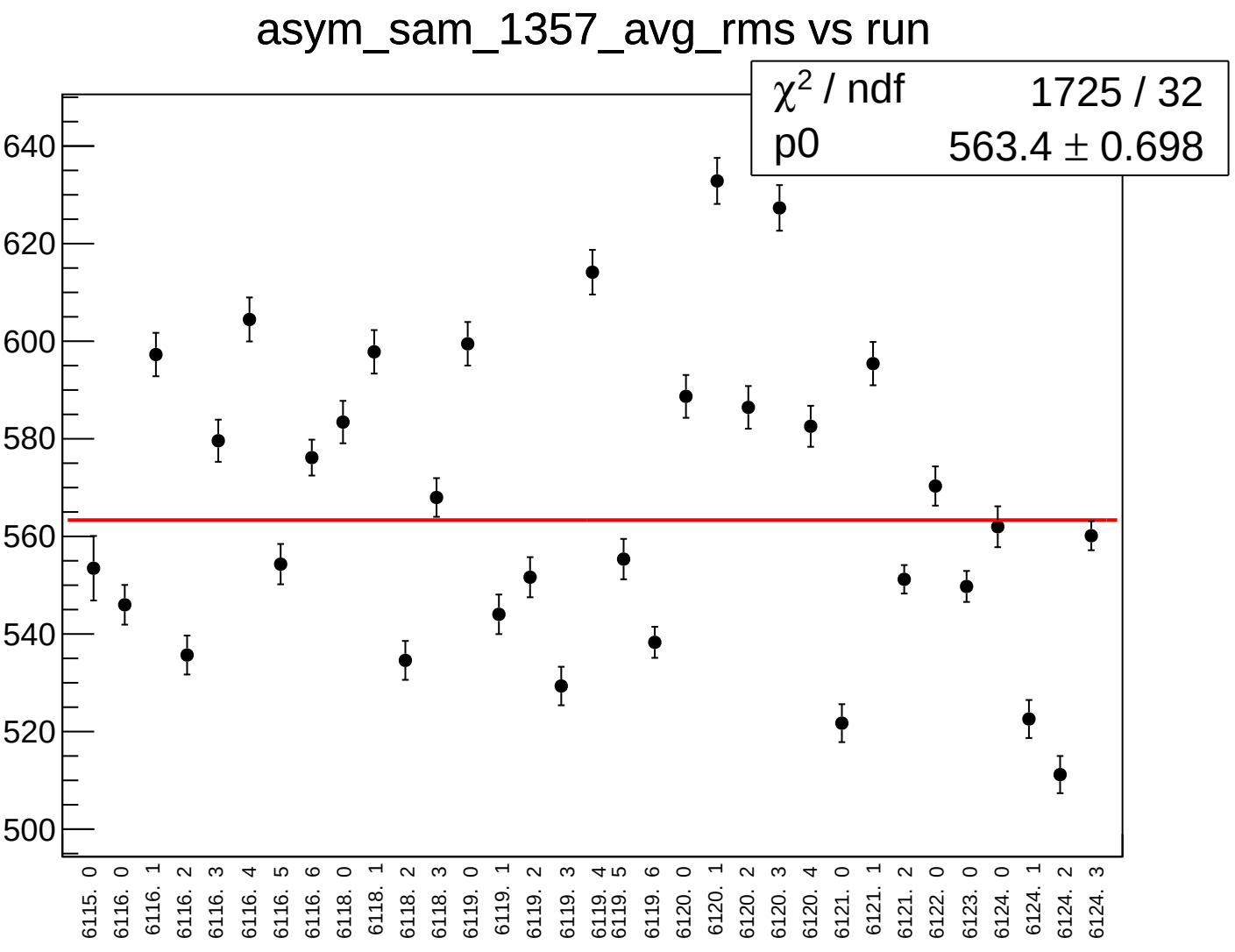

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 25.79 / 32
p0 −949.9 ± 993.1
15000
10000
5000
0
−5000
−10000
−15000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −748.7
Std Dev 762.4
2
1.5
1
0.5
0
−0.5
−1
−1.5

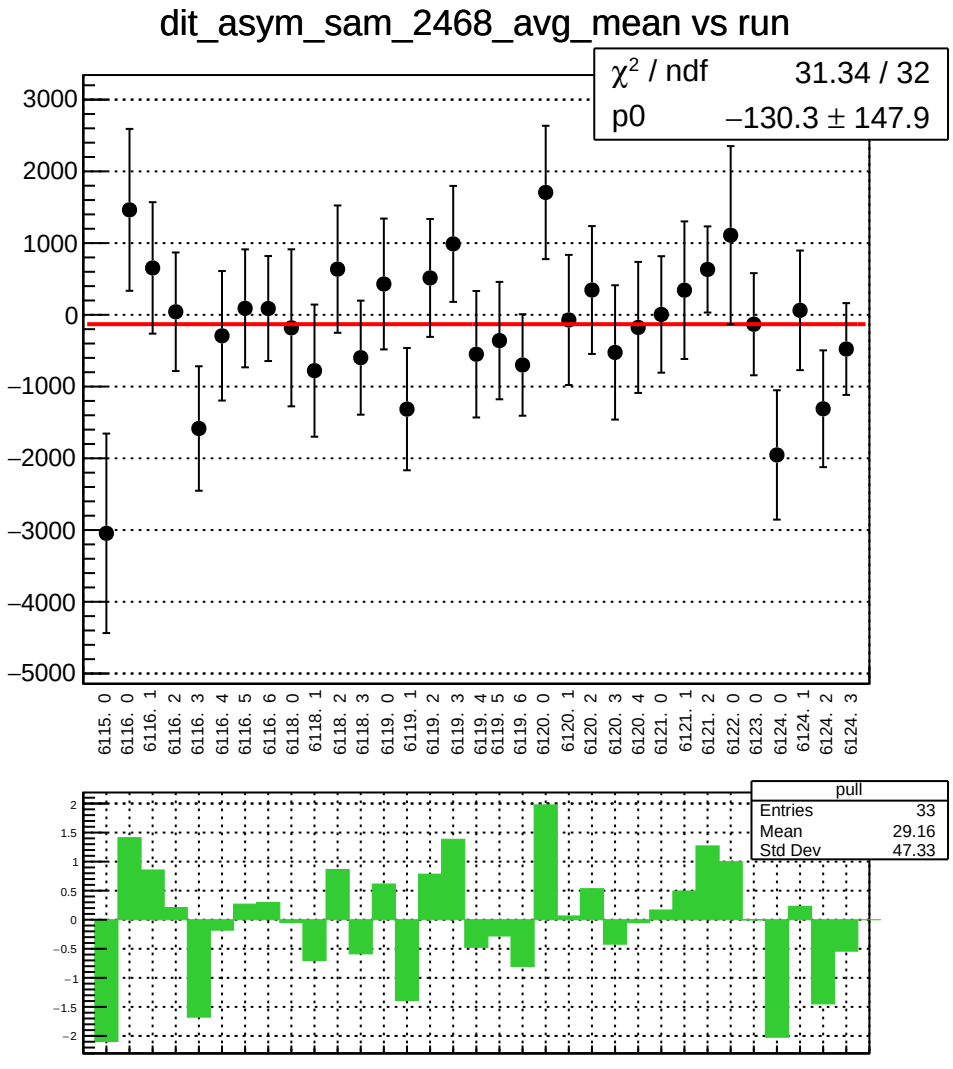

pull1D
Entries 33
Mean −0.003459
Std Dev 0.884
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

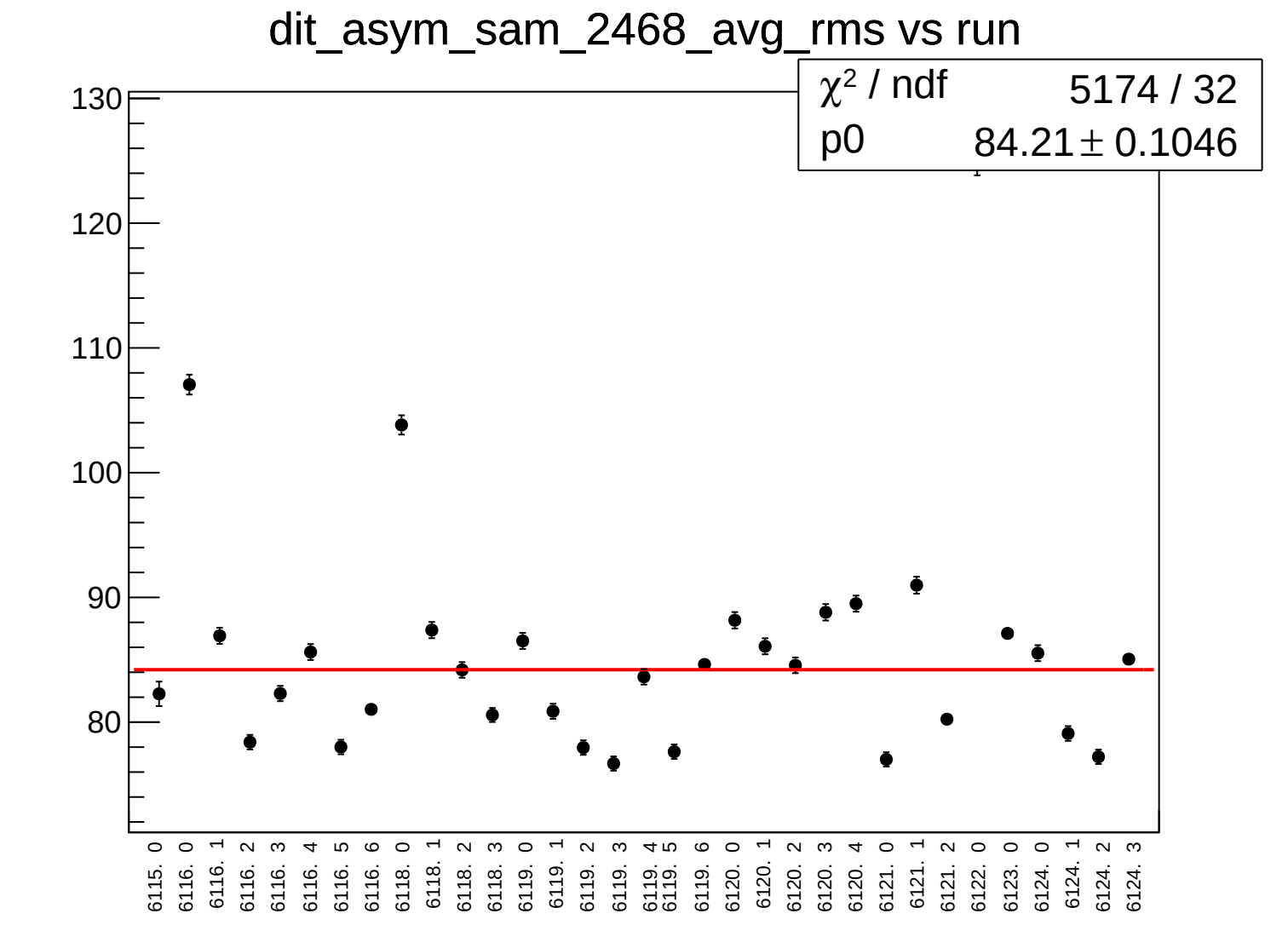

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 1424 / 32
p0 566.9 ± 0.7023
640
620
600
580
560
540
520
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

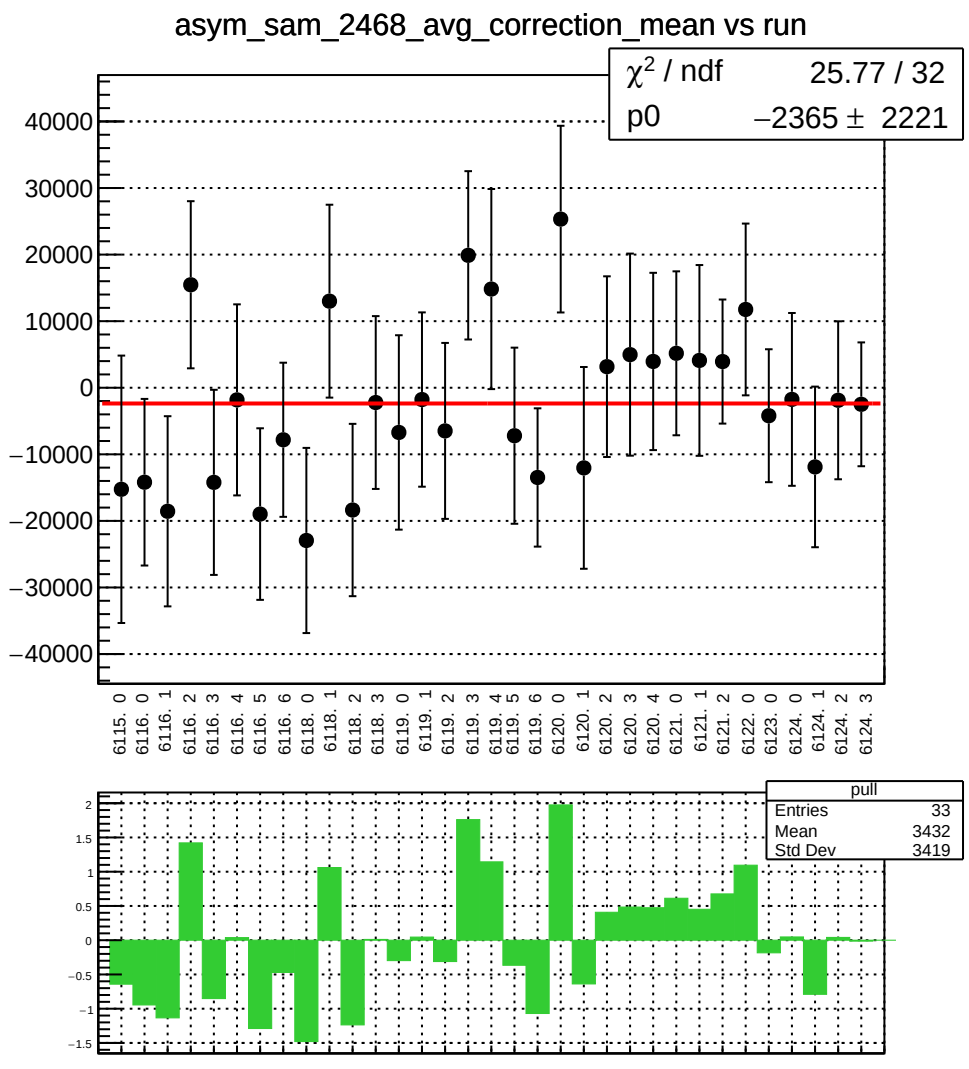

asym_sam_1357_avg_mean vs run
χ² / ndf 25.83 / 32
p0 792.3 ± 987.1
15000
10000
5000
0
−5000
−10000
−15000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 5161
Std Dev 5147
1.5
1
0.5
0
−0.5
−1
−1.5
−2

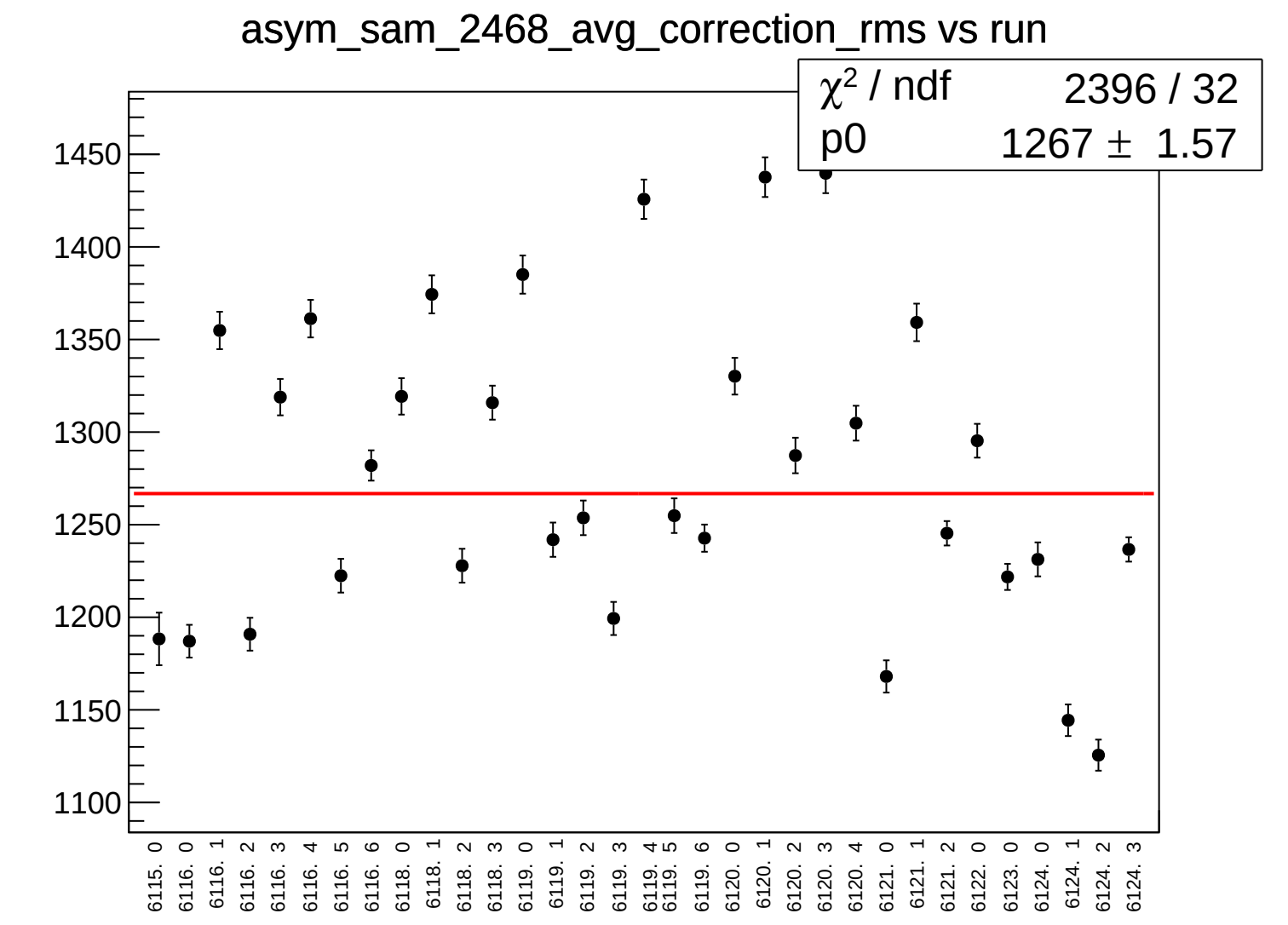

pull1D
Entries 33
Mean −0.0005046
Std Dev 0.8846
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

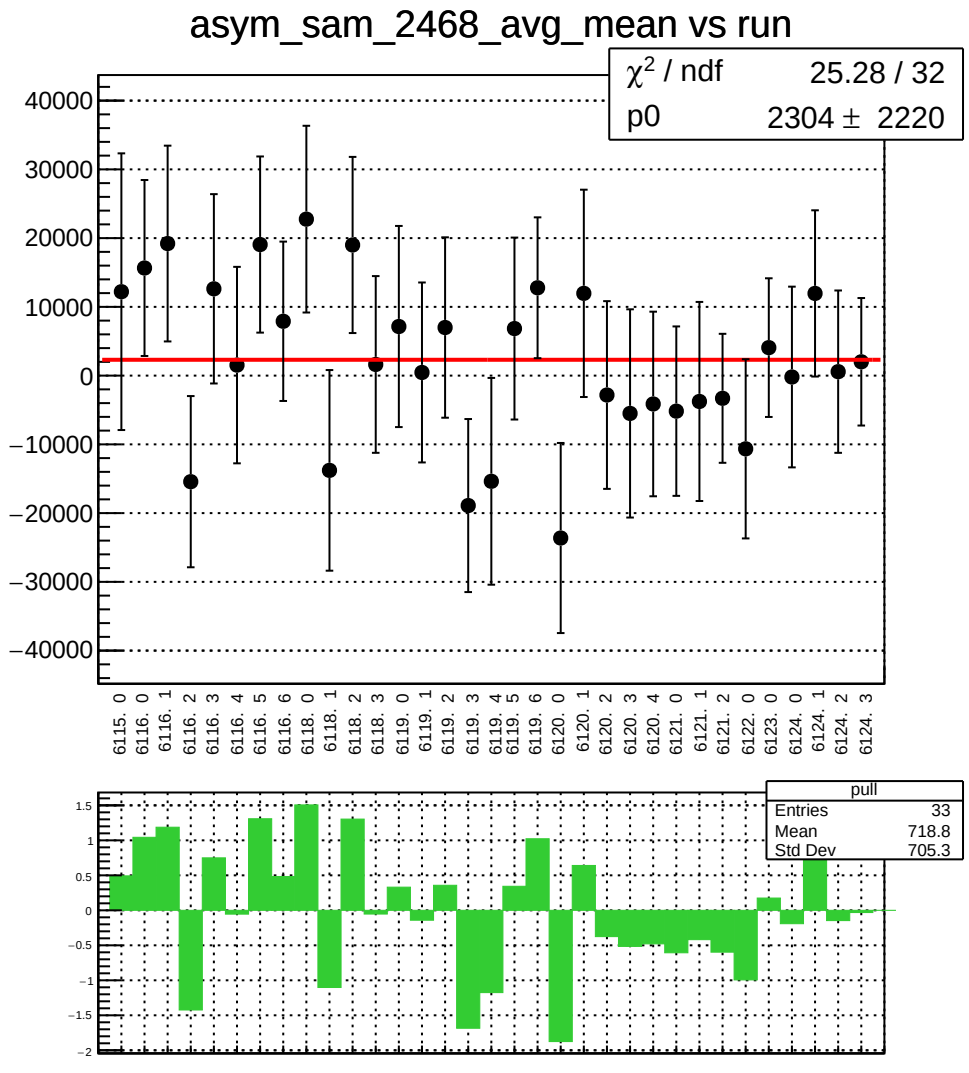

asym_sam_1357_avg_rms vs run
χ² / ndf 1725 / 32
p0 563.4 ± 0.698
640
620
600
580
560
540
520
500
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

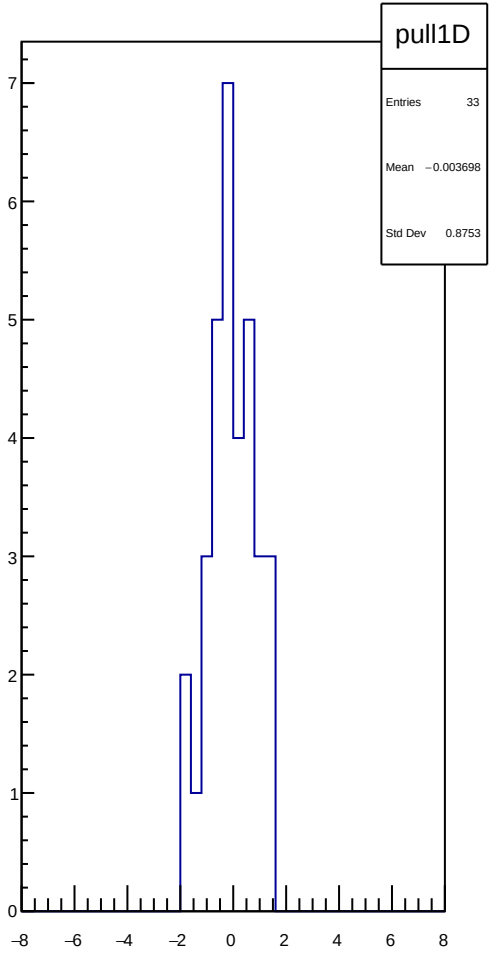

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 31.34 / 32
p0 −130.3 ± 147.9
3000
2000
1000
0
−1000
−2000
−3000
−4000
−5000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 29.16
Std Dev 47.33
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.008818
Std Dev 0.9745
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

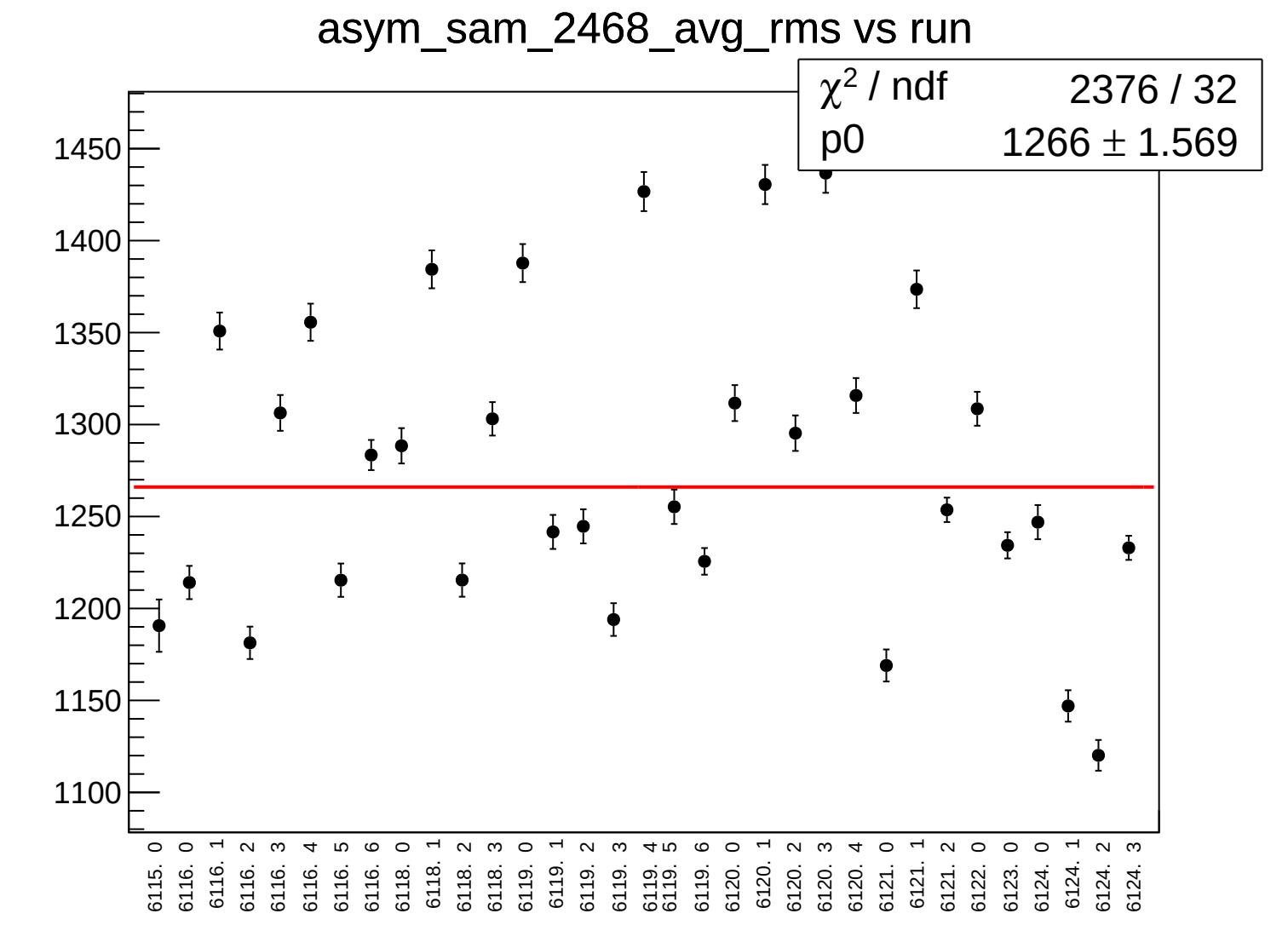

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 5174 / 32
p0 84.21 ± 0.1046
130
120
110
100
90
80
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

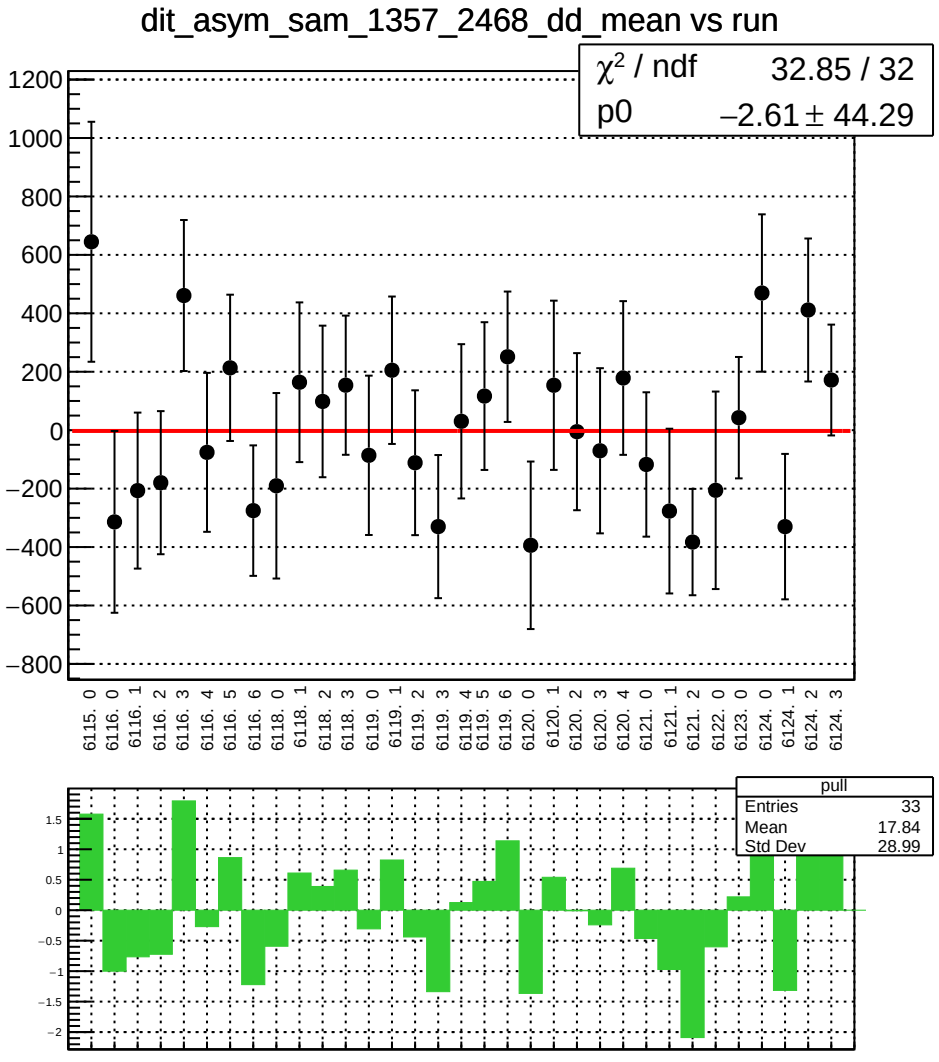

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 25.77 / 32
p0 −2365 ± 2221
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 3432
Std Dev 3419
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.0007552
Std Dev 0.8836
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

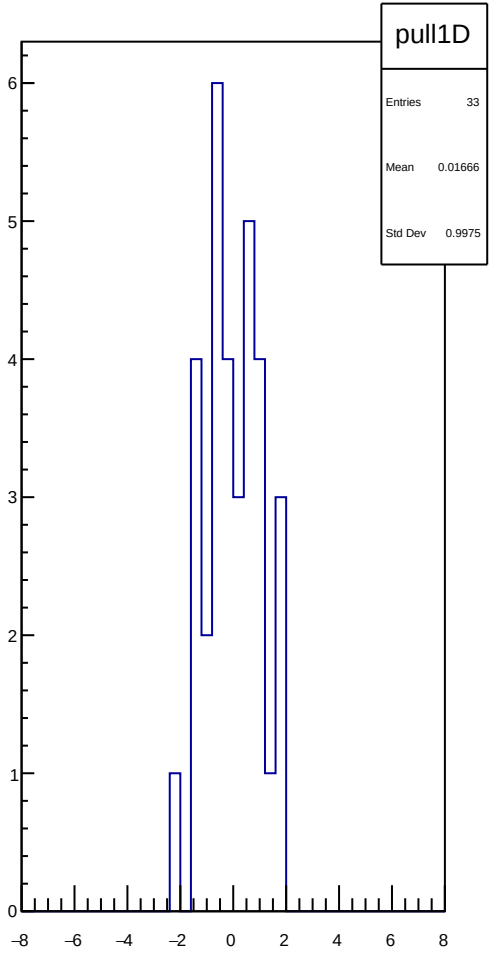

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 2396 / 32
p0 1267 ± 1.57
1450
1400
1350
1300
1250
1200
1150
1100
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

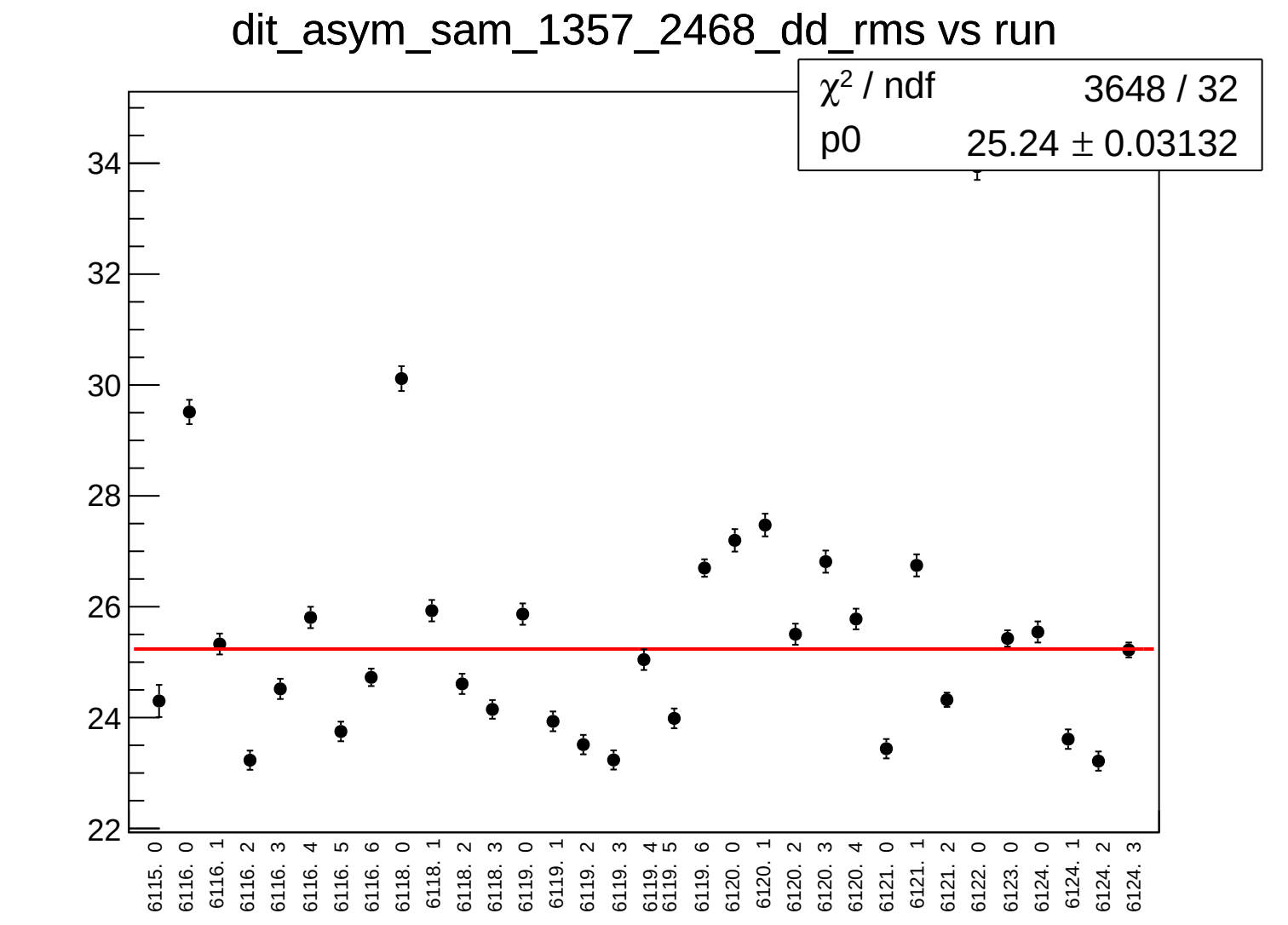

asym_sam_2468_avg_mean vs run
χ² / ndf 25.28 / 32
p0 2304 ± 2220
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 718.8
Std Dev 705.3
1.5
1
0.5
0
−0.5
−1
−1.5
−2

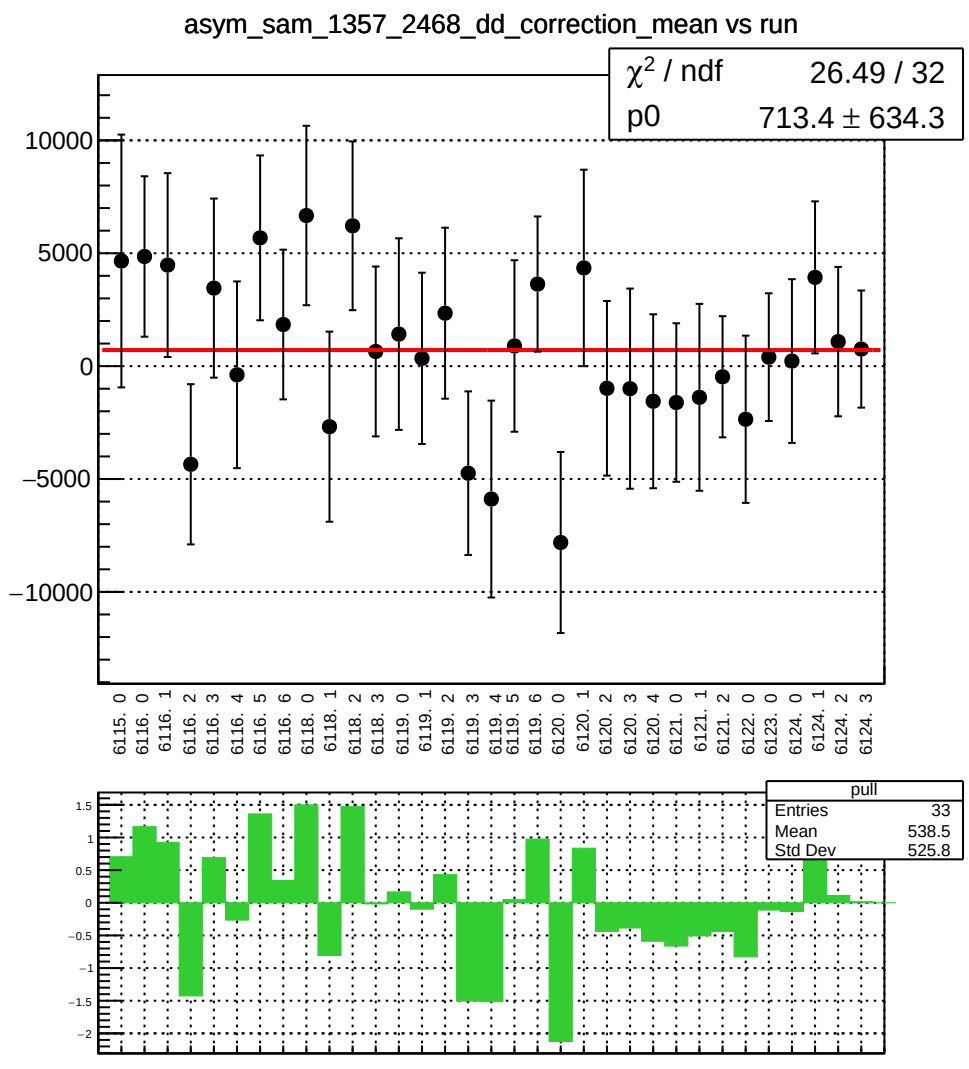

pull1D
Entries 33
Mean −0.003698
Std Dev 0.8753
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

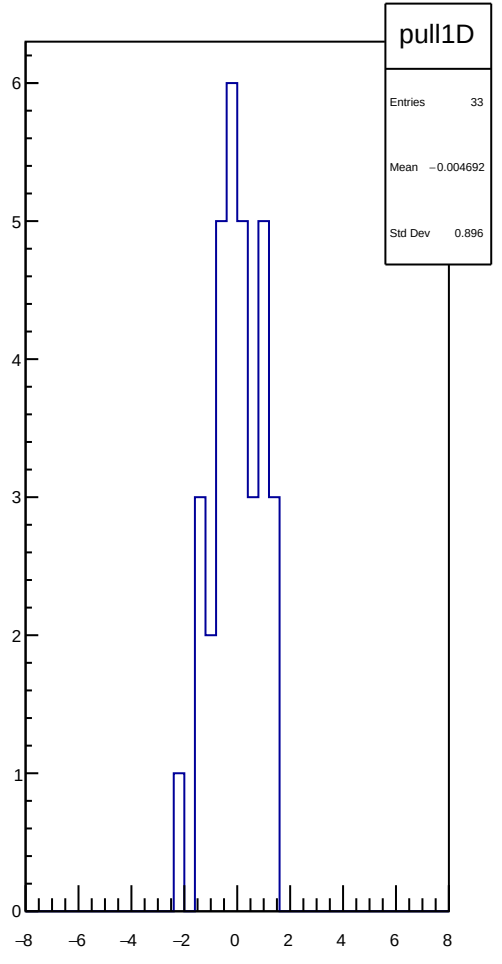

asym_sam_2468_avg_rms vs run
χ² / ndf 2376 / 32
p0 1266 ± 1.569
1450
1400
1350
1300
1250
1200
1150
1100
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

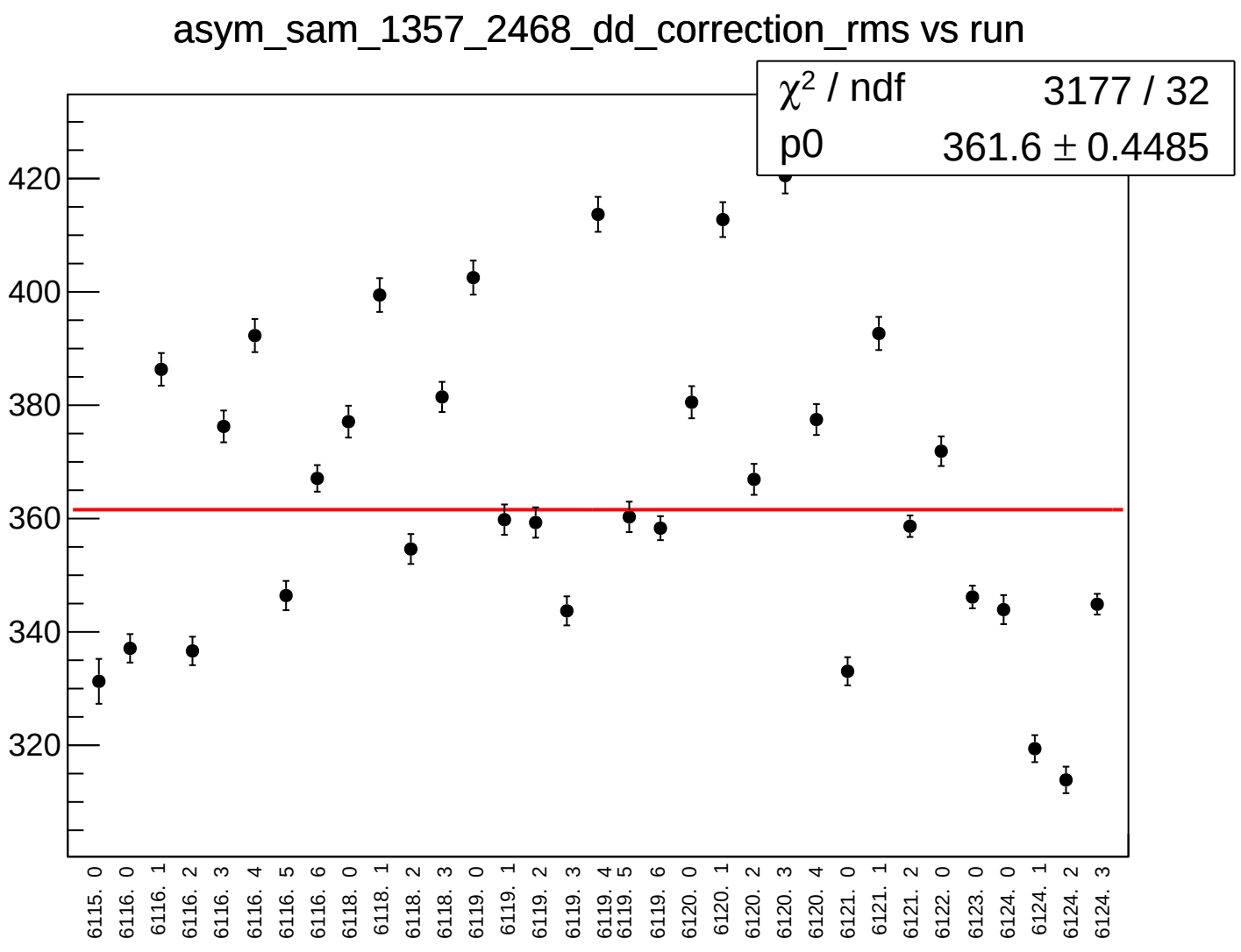

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 32.85 / 32
p0 −2.61 ± 44.29
1200
1000
800
600
400
200
0
−200
−400
−600
−800
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 17.84
Std Dev 28.99
1.5
1
0.5
0
−0.5
−1
−1.5
−2

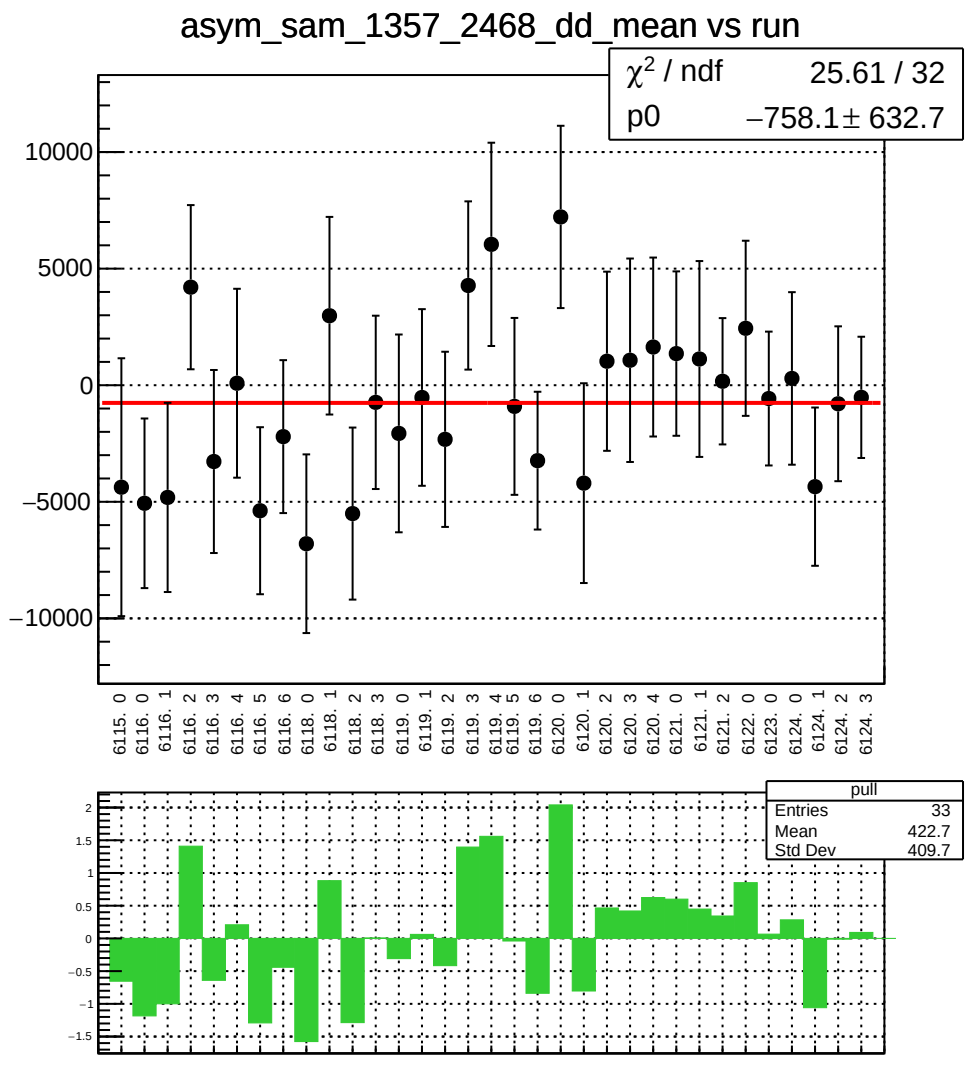

pull1D
Entries 33
Mean 0.01666
Std Dev 0.9975
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

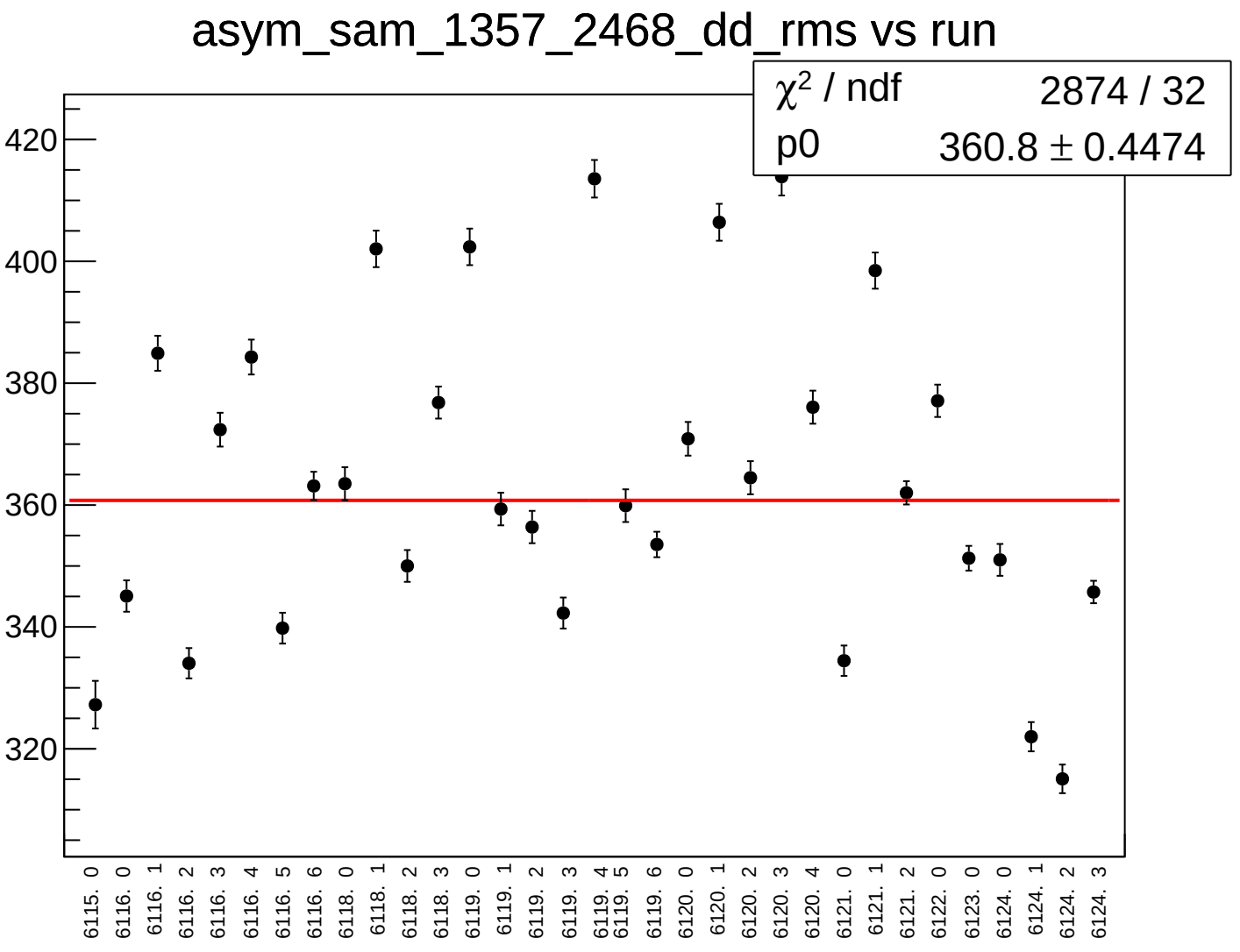

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 3648 / 32
p0 25.24 ± 0.03132
34
32
30
28
26
24
22
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
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6124. 0
6124. 1
6124. 2
6124. 3

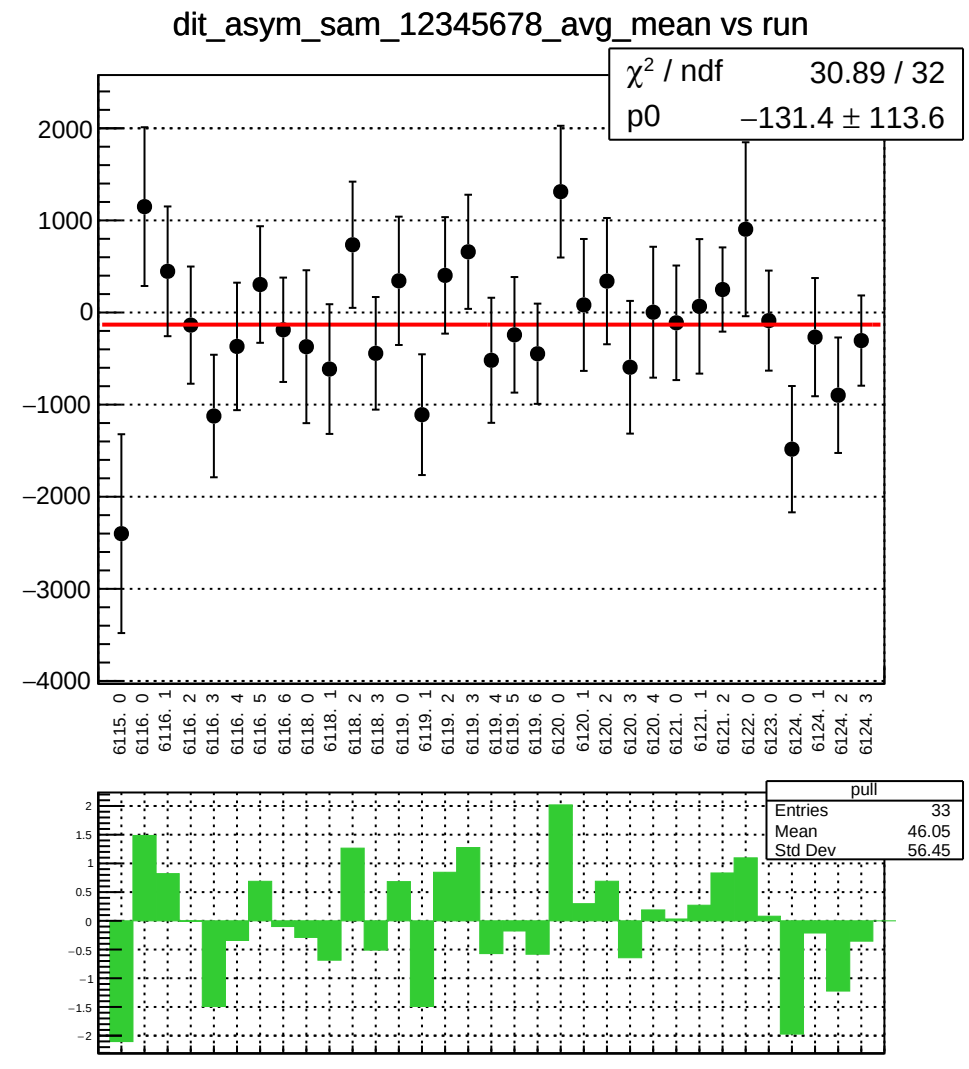

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 26.49 / 32
p0 713.4 ± 634.3
10000
5000
0
−5000
−10000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 538.5
Std Dev 525.8
1.5
1
0.5
0
−0.5
−1
−1.5
−2

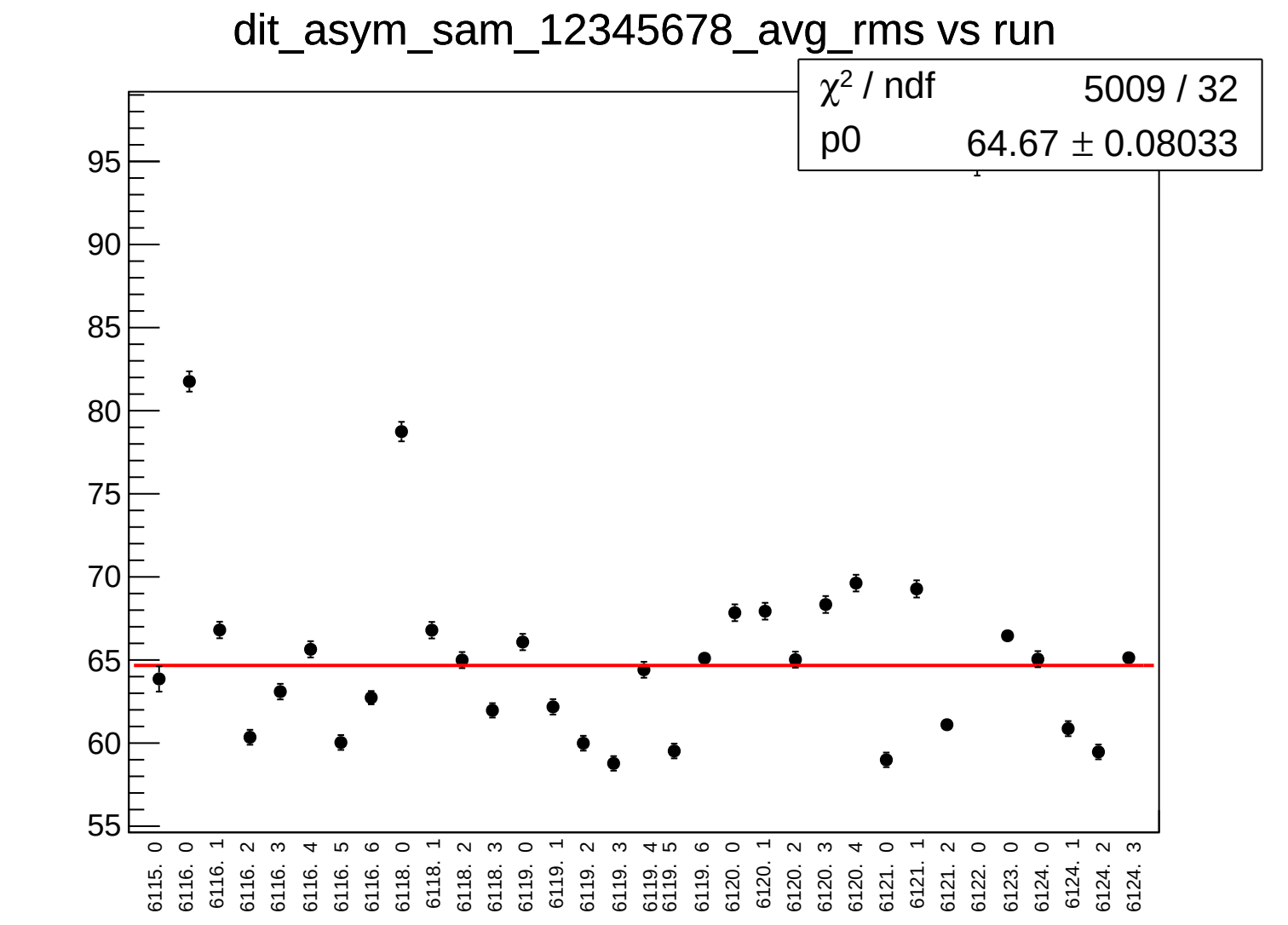

pull1D
Entries 33
Mean −0.004692
Std Dev 0.896
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

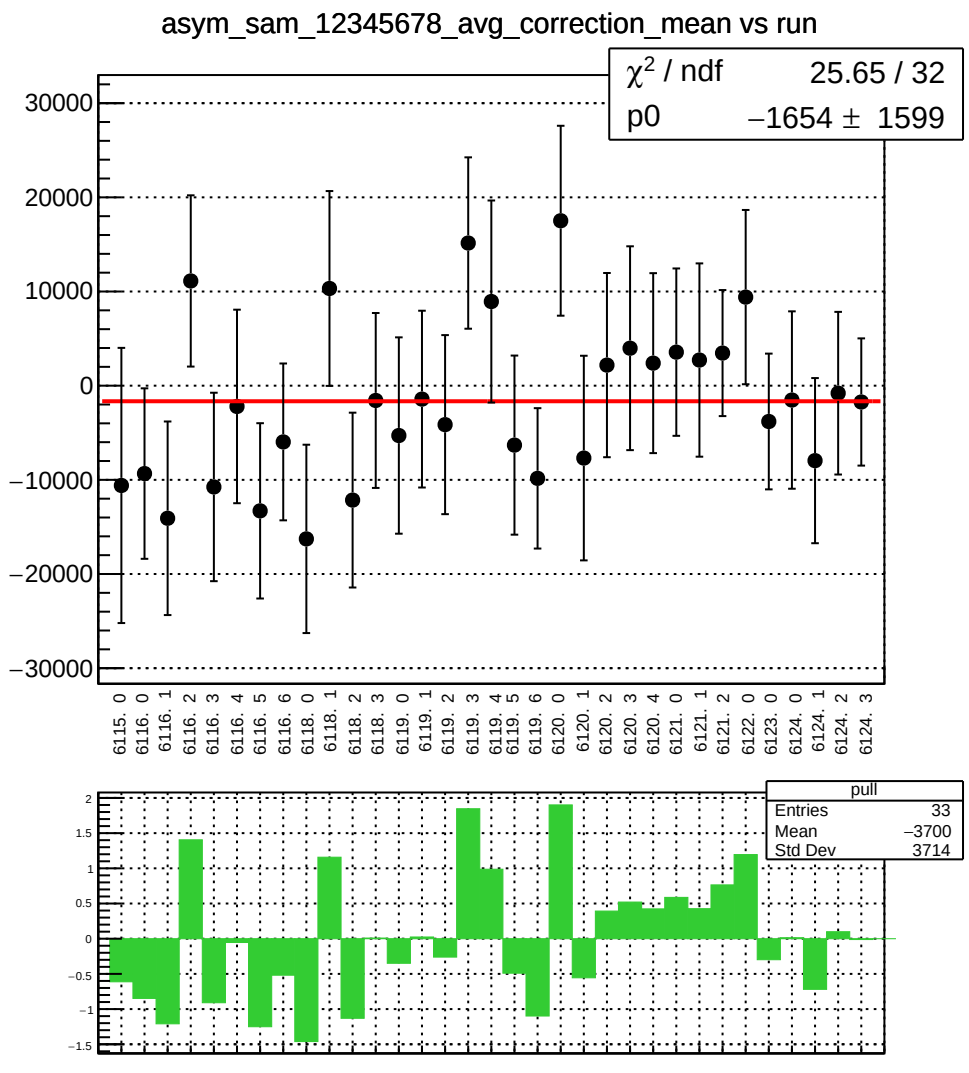

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 3177 / 32
p0 361.6 ± 0.4485
420
400
380
360
340
320
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

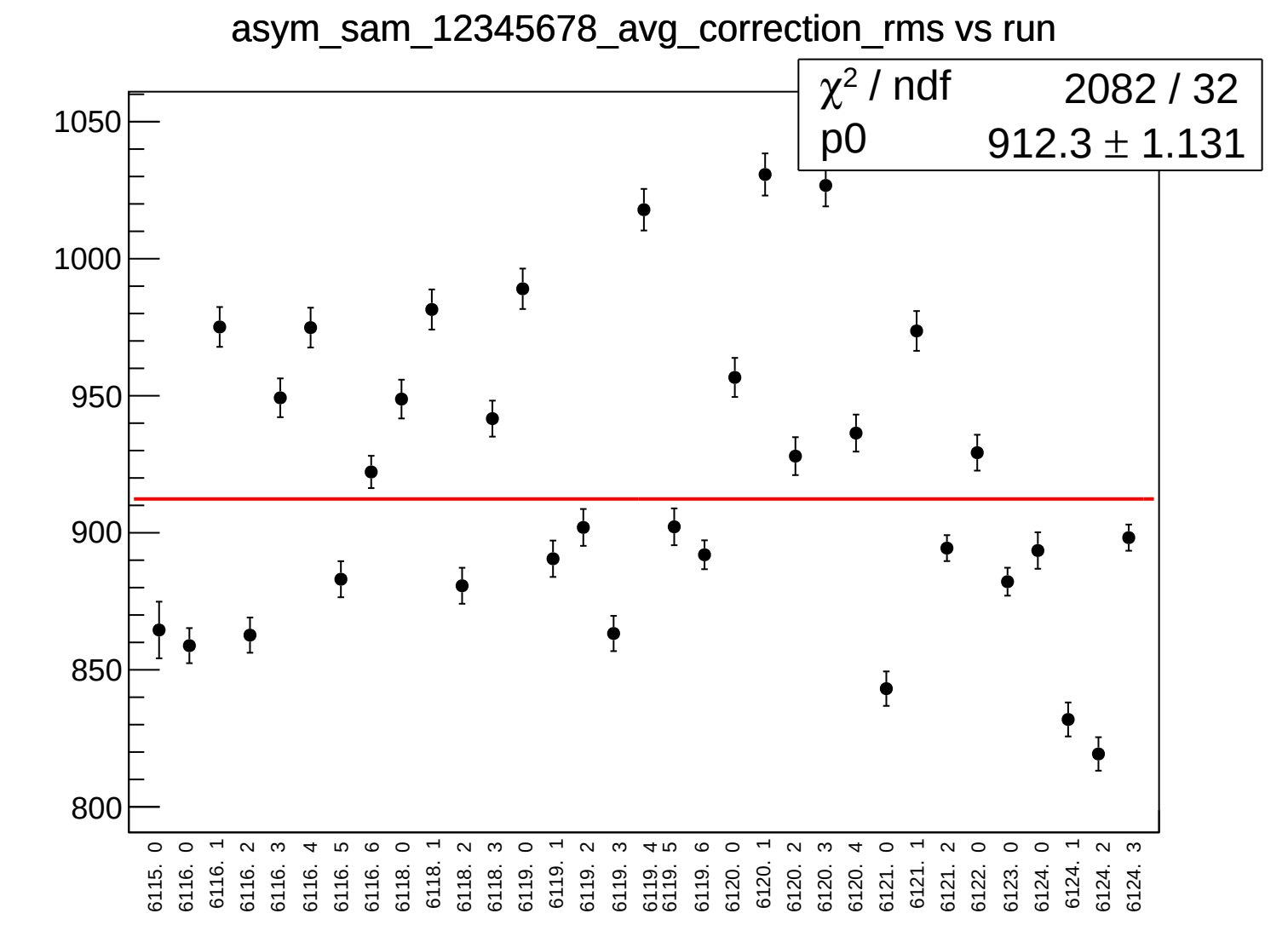

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 25.61 / 32
p0 −758.1± 632.7
10000
5000
0
−5000
−10000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 422.7
Std Dev 409.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.006247
Std Dev 0.881
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

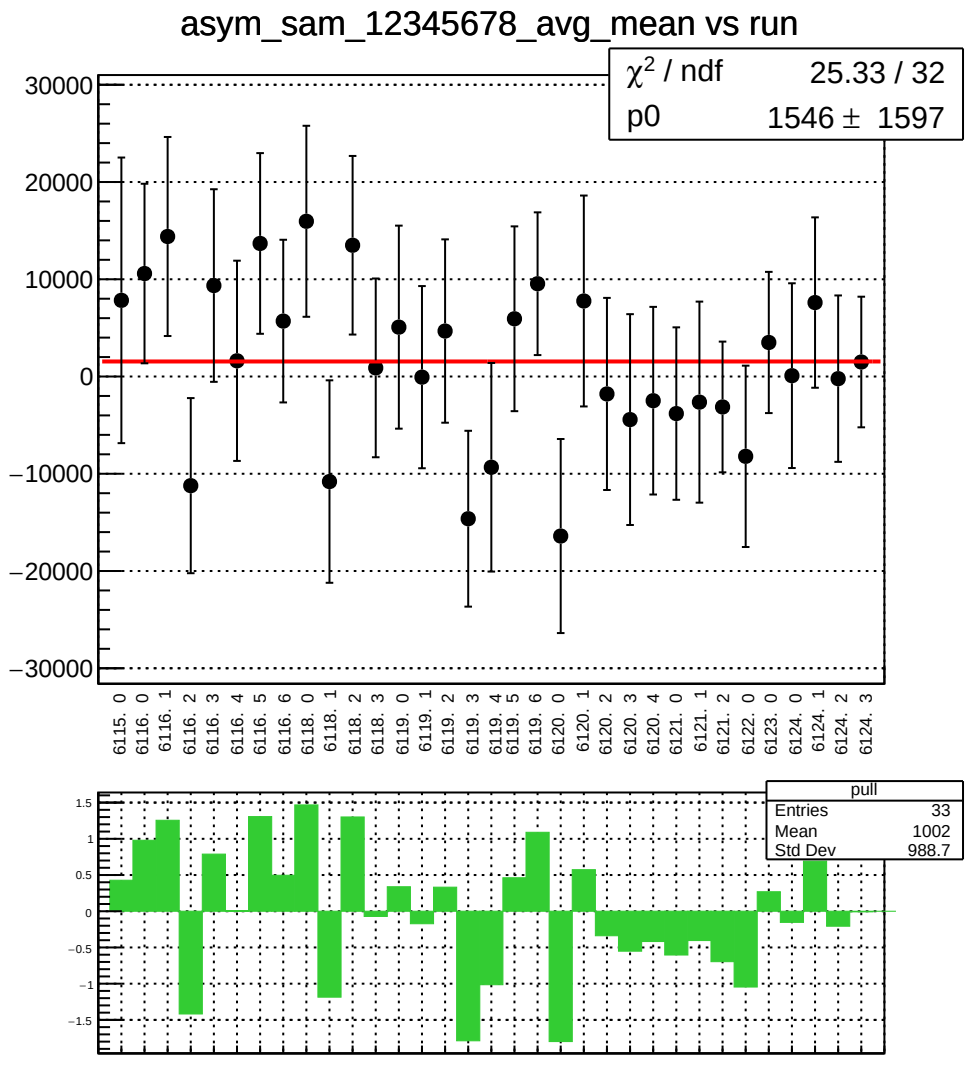

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 2874 / 32
p0 360.8 ± 0.4474
420
400
380
360
340
320
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

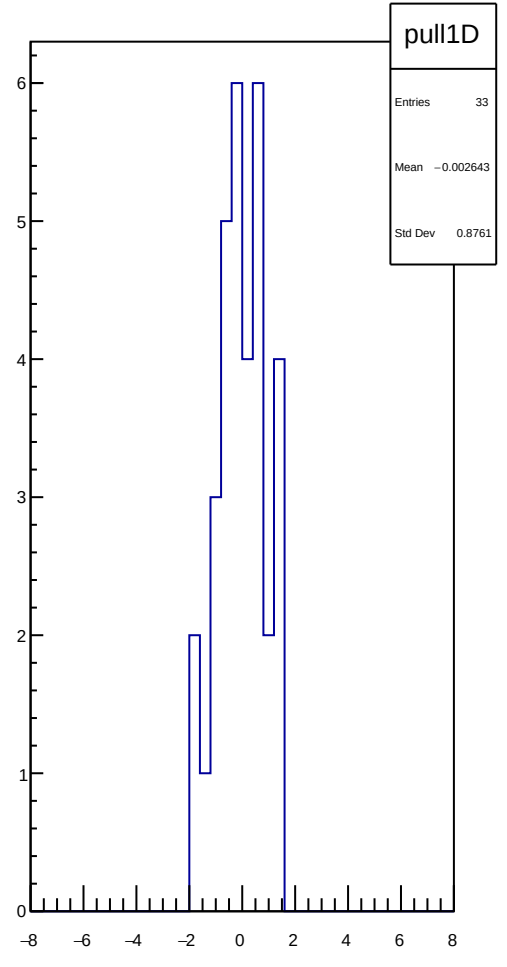

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 30.89 / 32
p0 −131.4 ± 113.6
2000
1000
0
−1000
−2000
−3000
−4000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 46.05
Std Dev 56.45
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.005389
Std Dev 0.9675
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

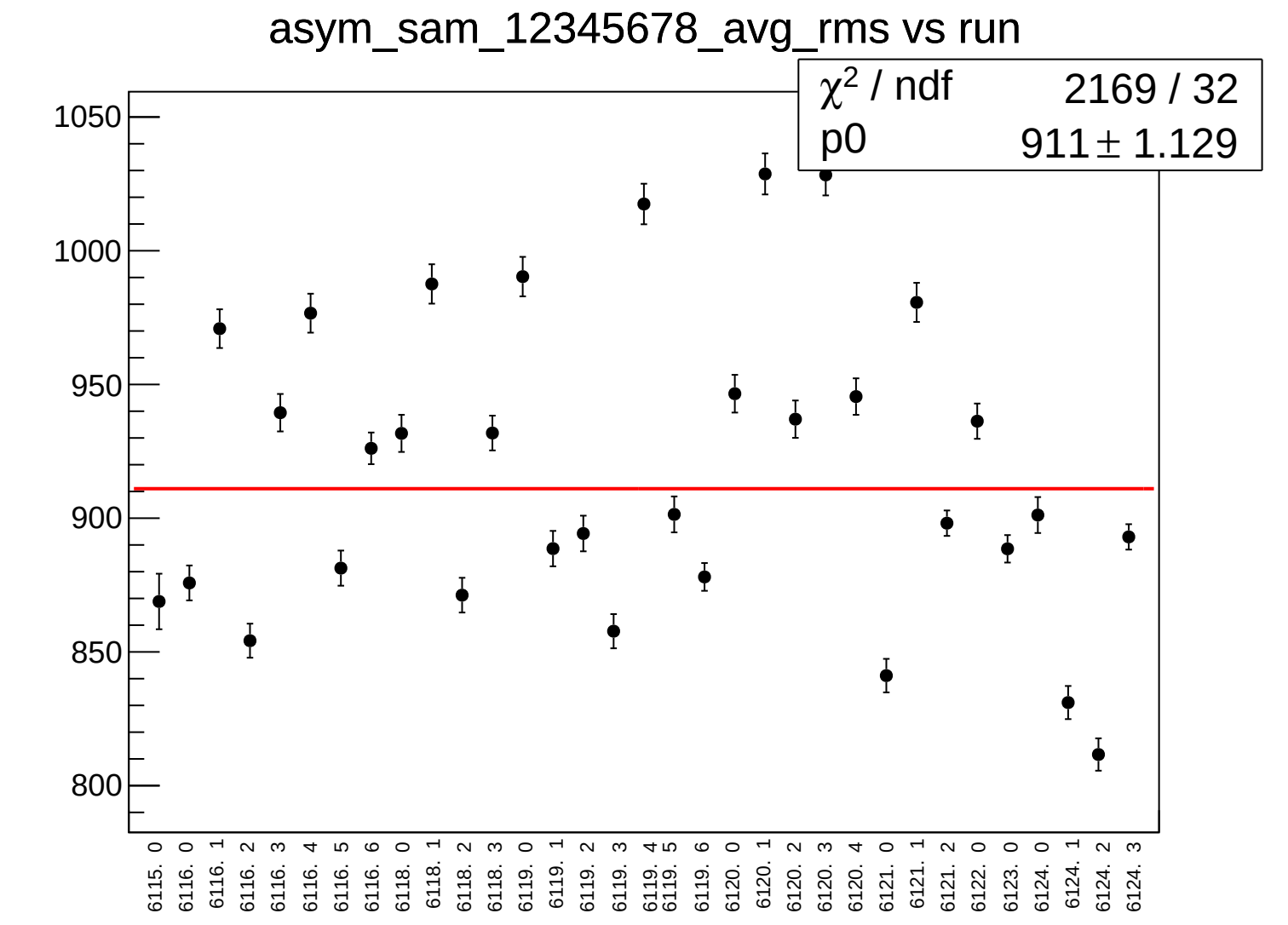

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 5009 / 32
p0 64.67 ± 0.08033
95
90
85
80
75
70
65
60
55
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

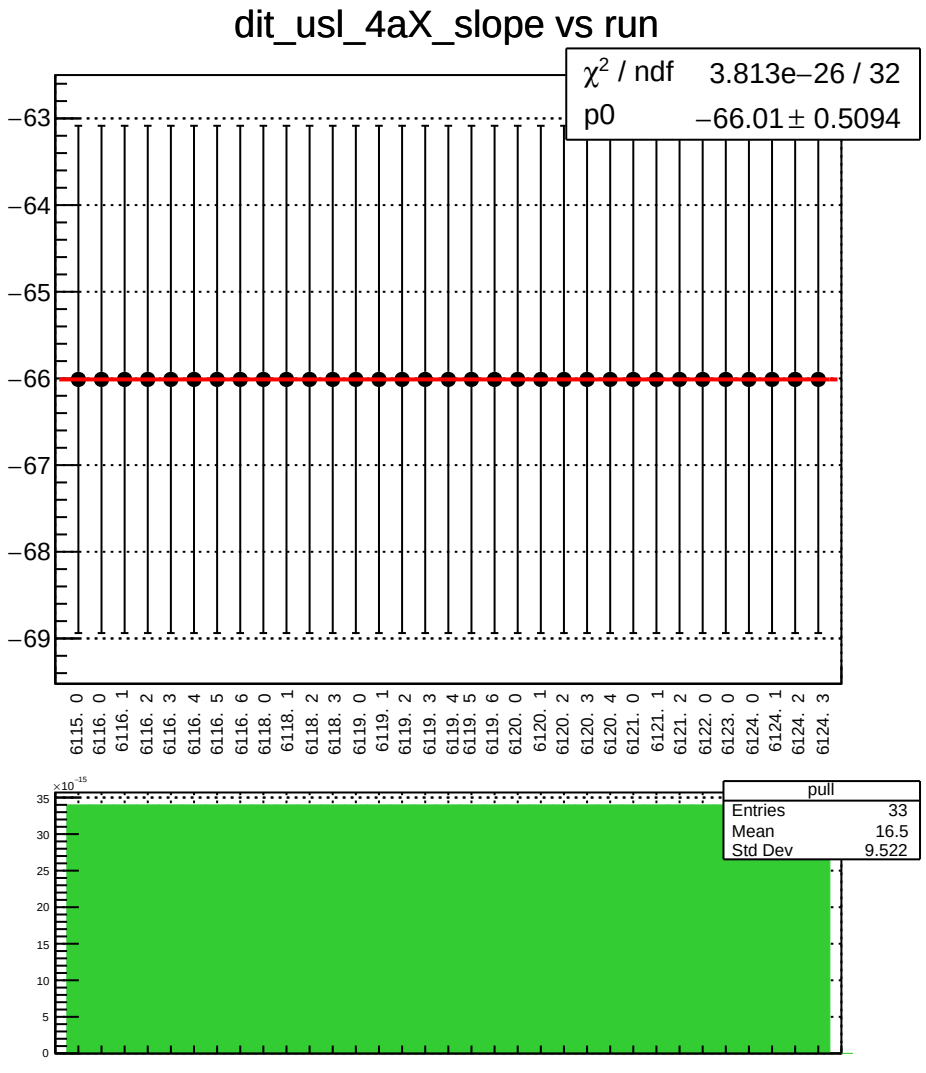

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 25.65 / 32
p0 −1654 ± 1599
30000
20000
10000
0
−10000
−20000
−30000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −3700
Std Dev 3714
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.0007027
Std Dev 0.8816
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

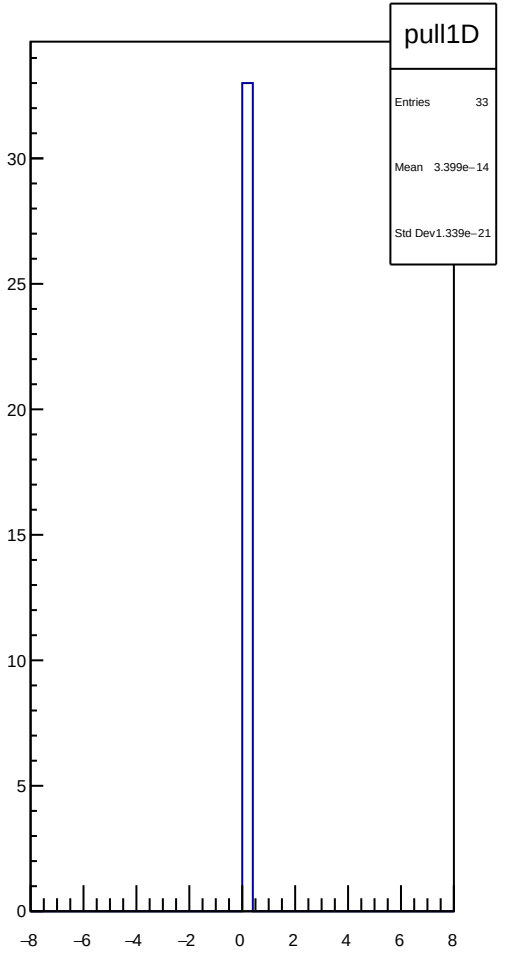

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 2082 / 32
p0 912.3 ± 1.131
1050
1000
950
900
850
800
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

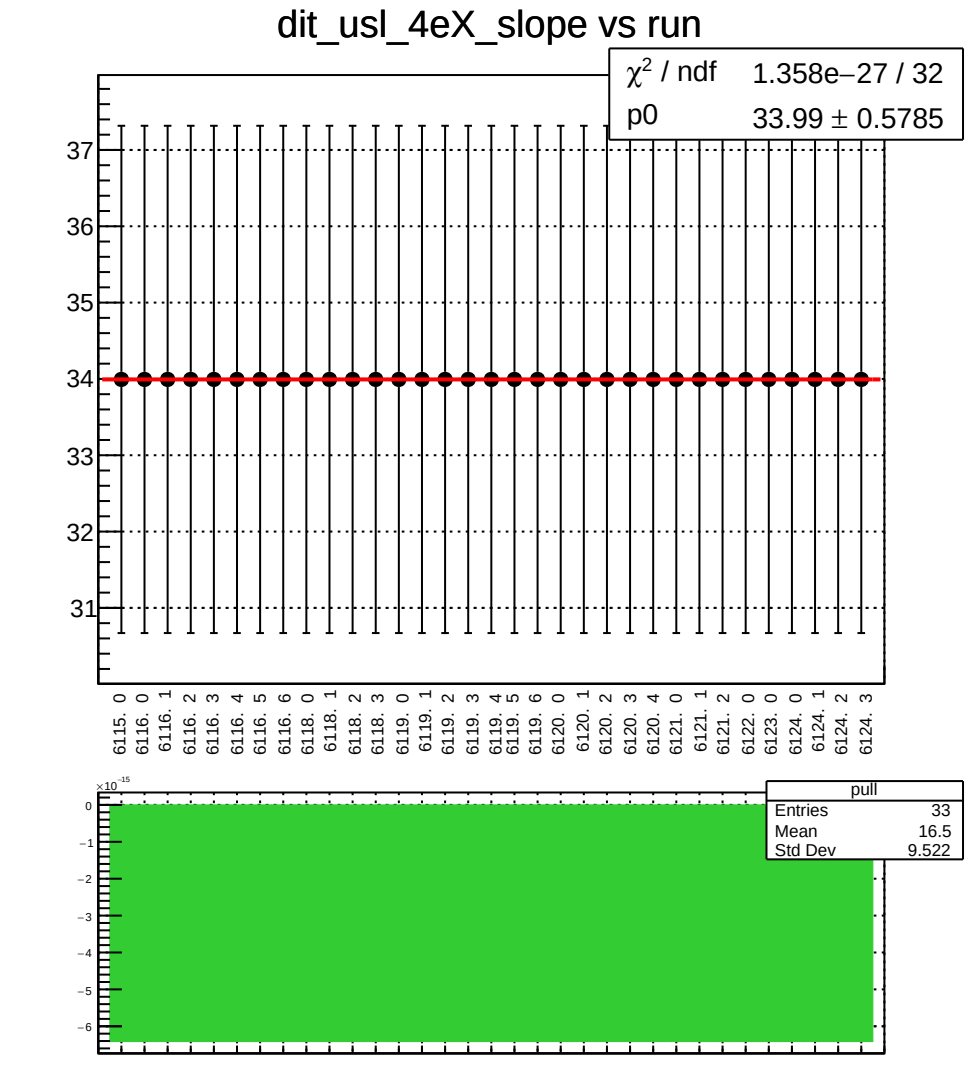

asym_sam_12345678_avg_mean vs run
χ² / ndf 25.33 / 32
p0 1546 ± 1597
30000
20000
10000
0
−10000
−20000
−30000
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 1002
Std Dev 988.7
1.5
1
0.5
0
−0.5
−1
−1.5

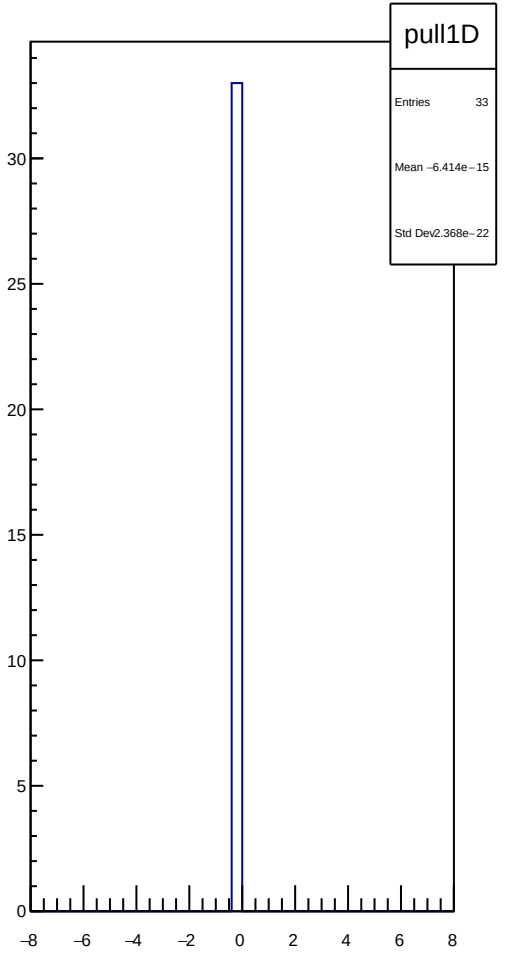

pull1D
Entries 33
Mean −0.002643
Std Dev 0.8761
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

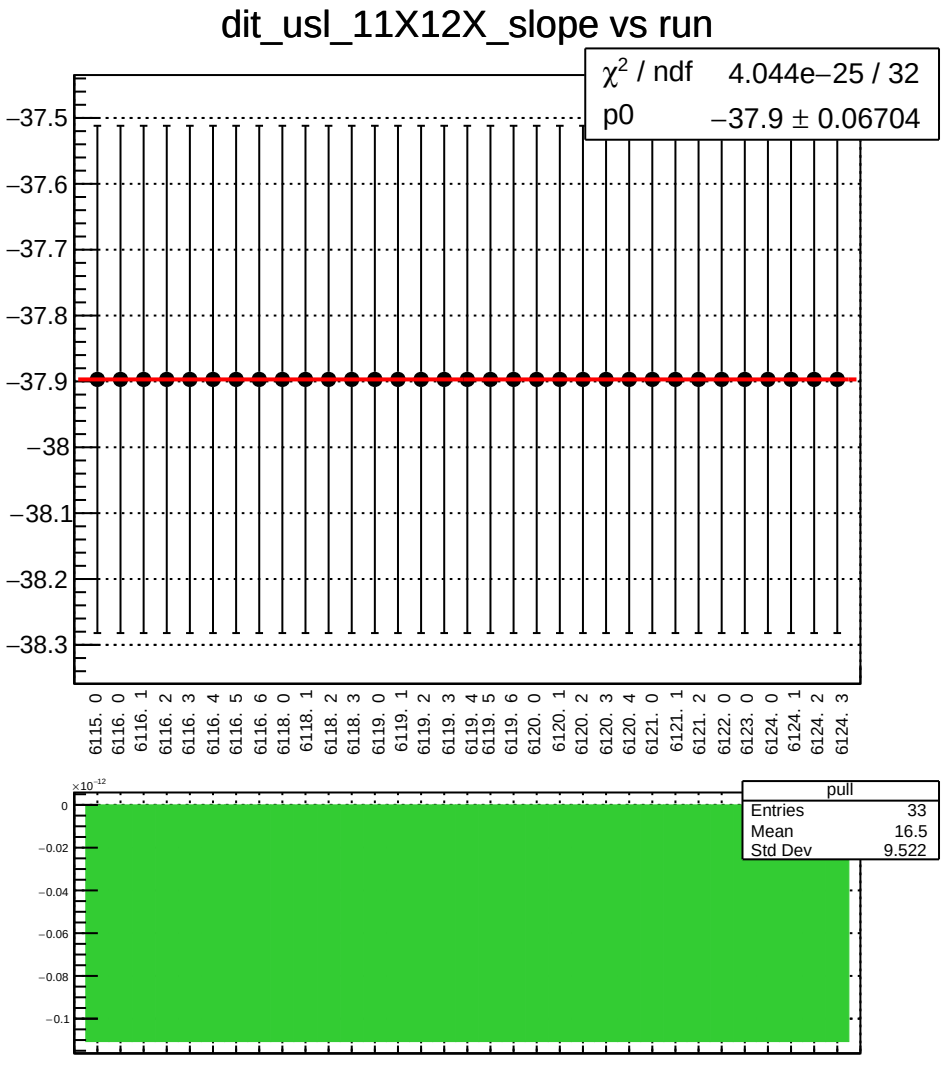

asym_sam_12345678_avg_rms vs run
χ² / ndf 2169 / 32
p0 911 ± 1.129
1050
1000
950
900
850
800
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

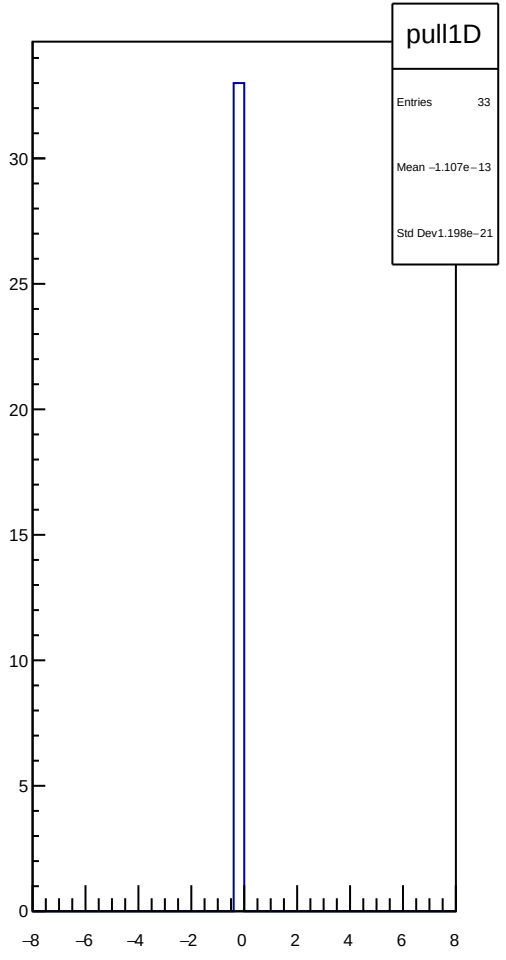

dit_usl_4aX_slope vs run
χ² / ndf 3.813e−26 / 32
p0 −66.01 ± 0.5094
−63
−64
−65
−66
−67
−68
−69
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹⁵
35
30
25
20
15
10
5
0
pull
Entries 33
Mean 16.5
Std Dev 9.522

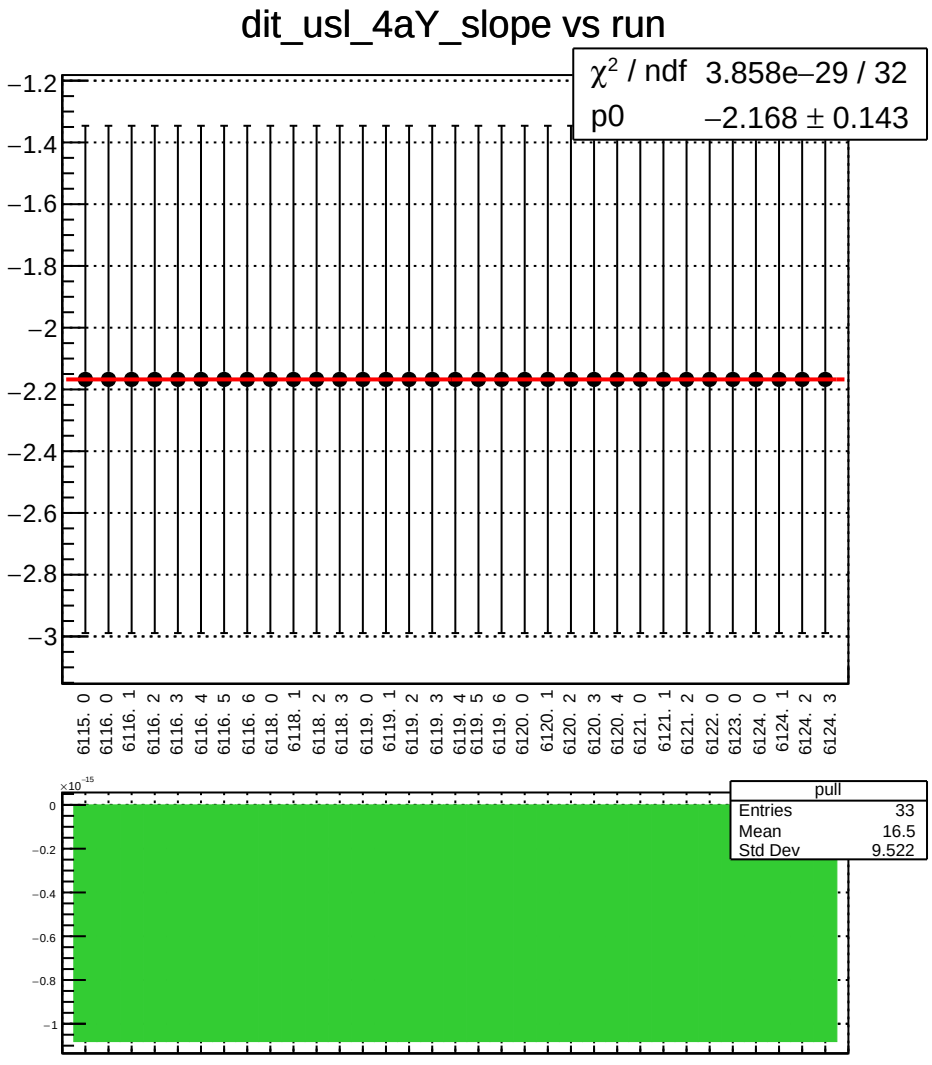

pull1D
Entries 33
Mean 3.399e−14
Std Dev1.339e−21
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

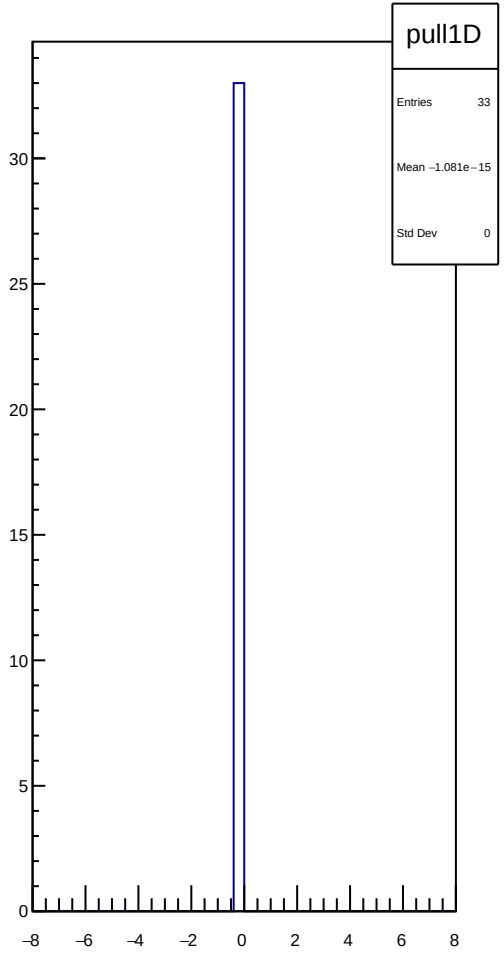

dit_usl_4eX_slope vs run
χ² / ndf 1.358e−27 / 32
p0 33.99 ± 0.5785
37
36
35
34
33
32
31
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
pull
Entries 33
Mean 16.5
Std Dev 9.522

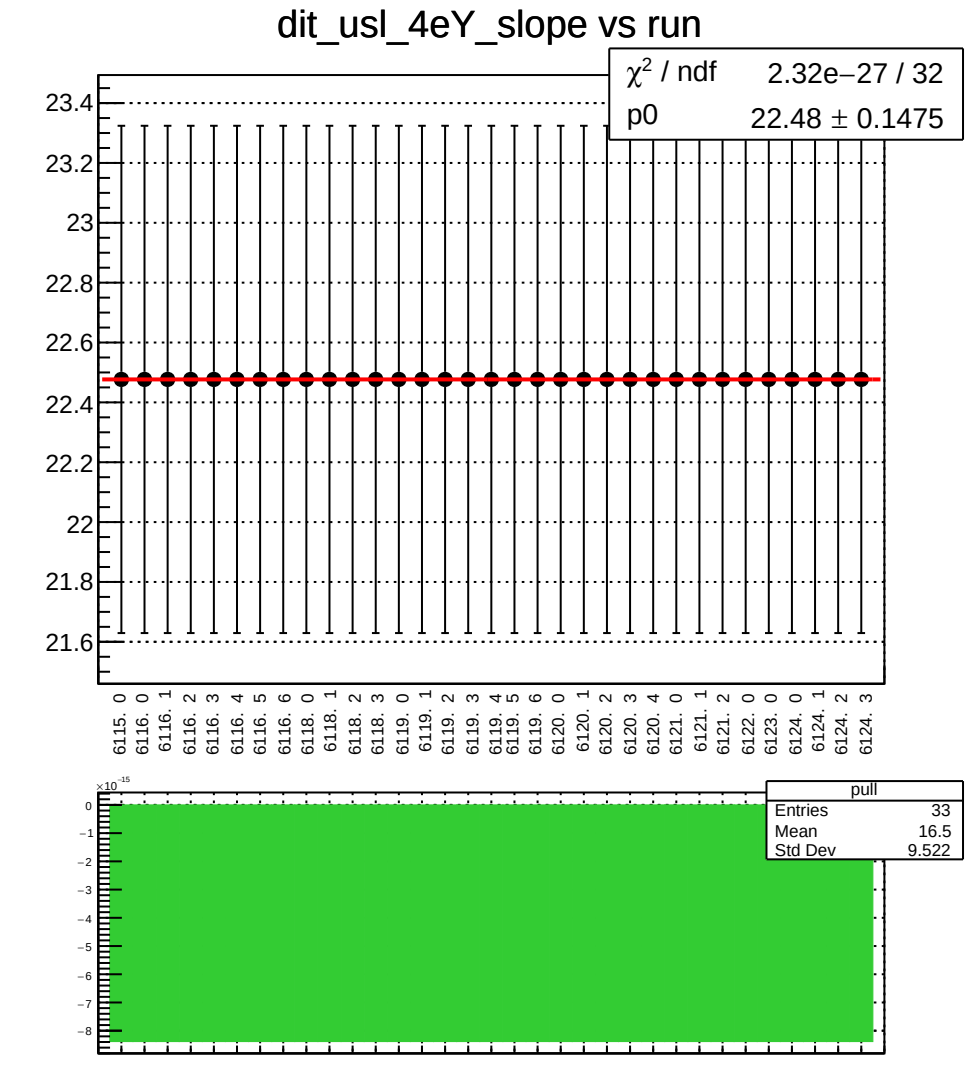

pull1D
Entries 33
Mean −6.414e−15
Std Dev2.368e−22
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

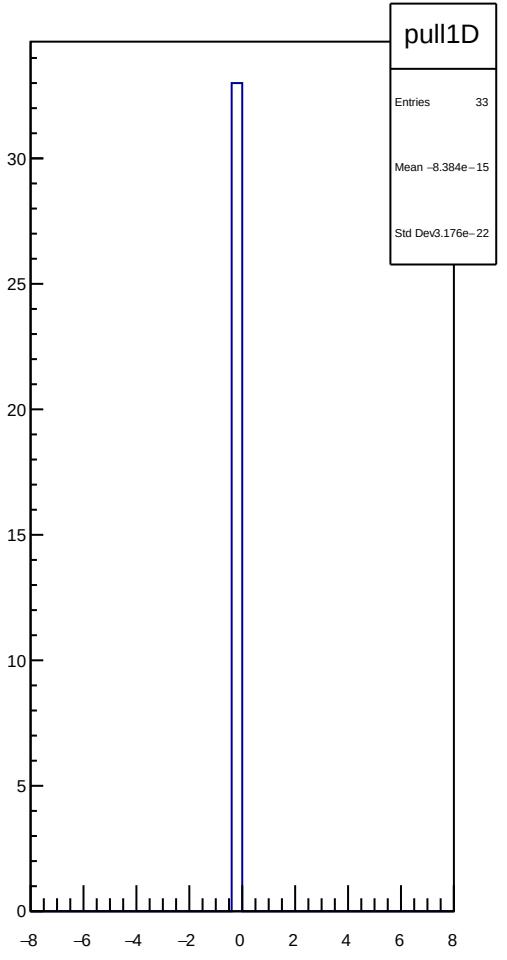

dit_usl_11X12X_slope vs run
χ² / ndf 4.044e−25 / 32
p0 −37.9 ± 0.06704
−37.5
−37.6
−37.7
−37.8
−37.9
−38
−38.1
−38.2
−38.3
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull
Entries 33
Mean 16.5
Std Dev 9.522

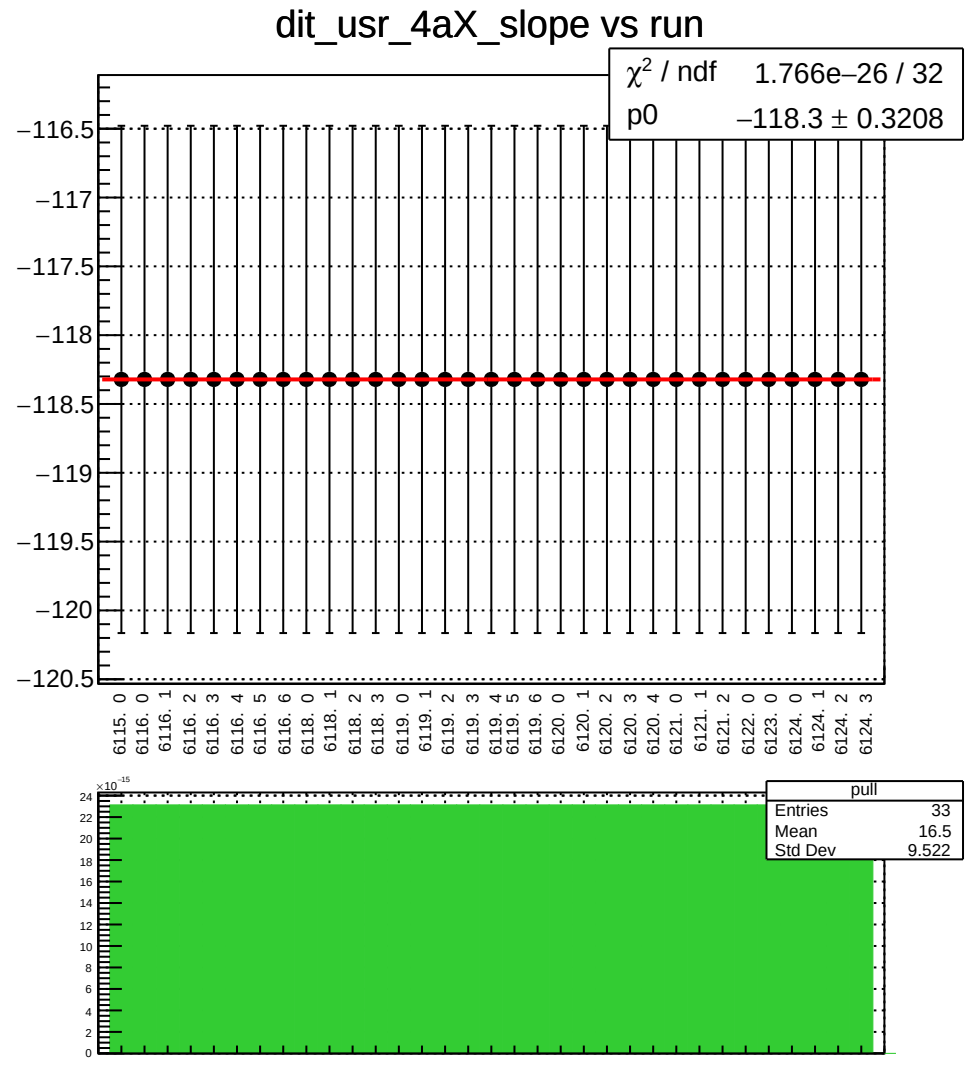

pull1D
Entries 33
Mean −1.107e−13
Std Dev1.198e−21
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

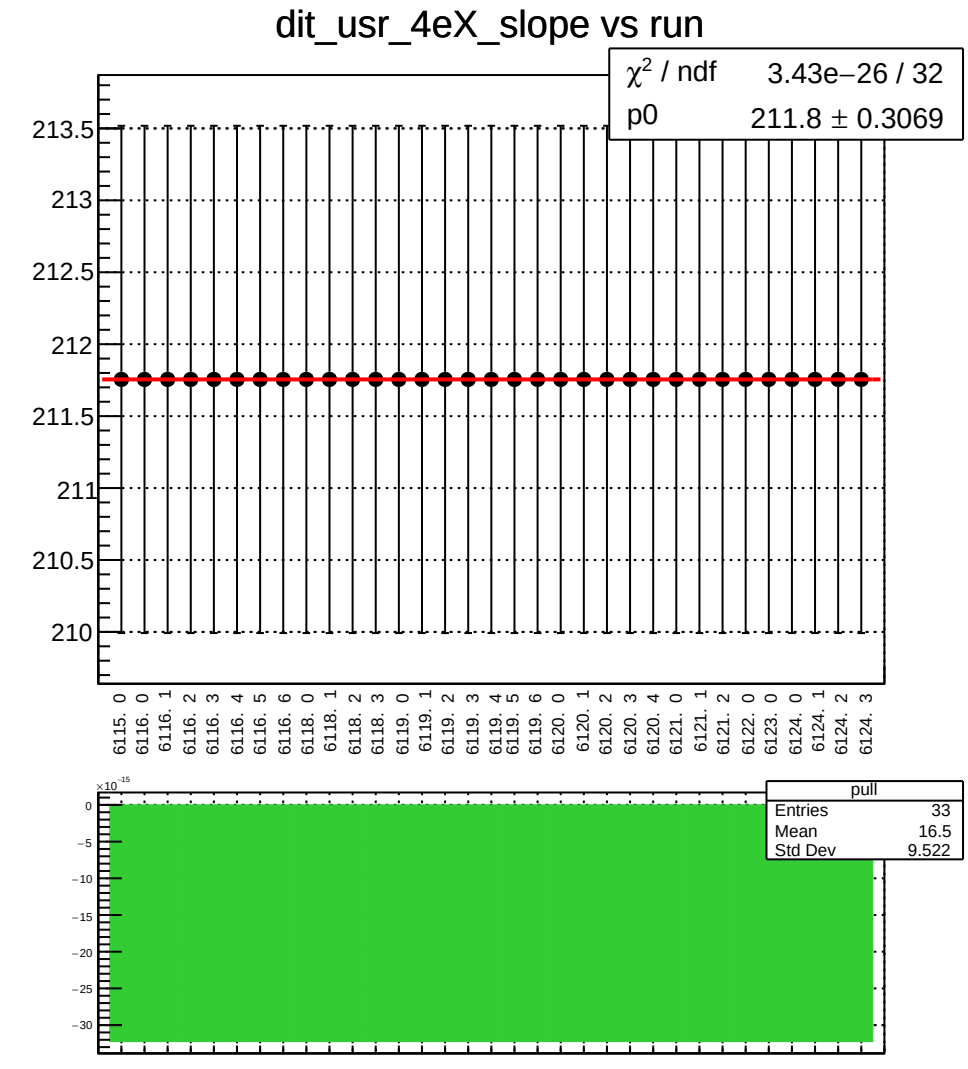

dit_usl_4aY_slope vs run
χ² / ndf 3.858e−29 / 32
p0 −2.168 ± 0.143
−1.2
−1.4
−1.6
−1.8
−2
−2.2
−2.4
−2.6
−2.8
−3
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹⁵
0
−0.2
−0.4
−0.6
−0.8
−1
pull
Entries 33
Mean 16.5
Std Dev 9.522

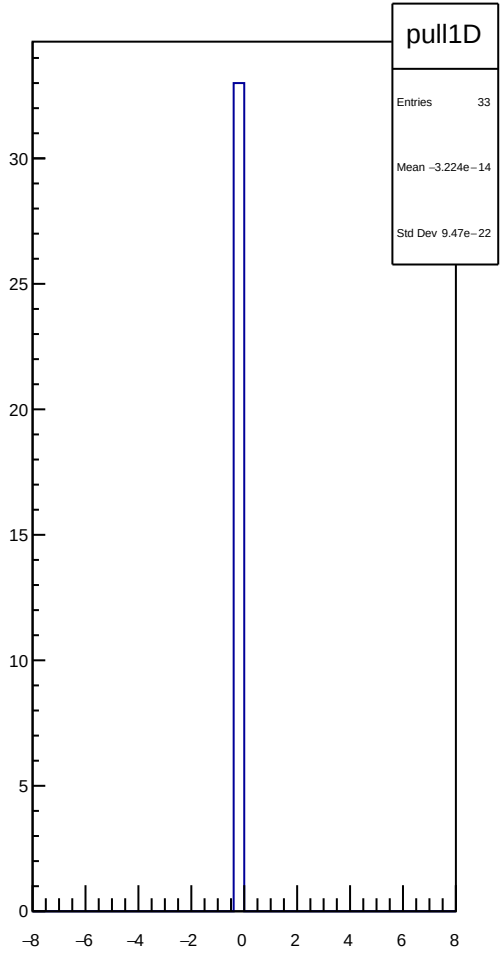

pull1D
Entries 33
Mean −1.081e−15
Std Dev 0
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

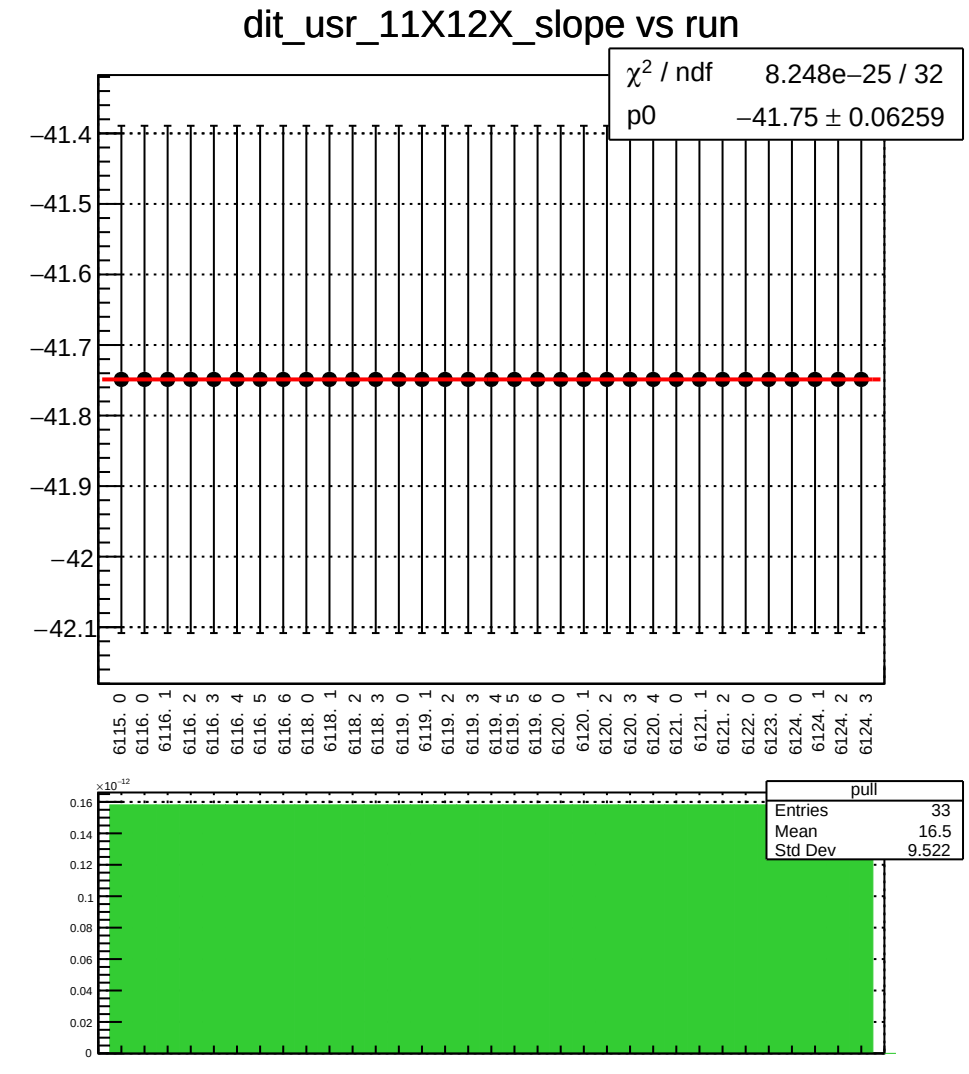

dit_usl_4eY_slope vs run
χ² / ndf 2.32e−27 / 32
p0 22.48 ± 0.1475
23.4
23.2
23
22.8
22.6
22.4
22.2
22
21.8
21.6
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7
−8
pull
Entries 33
Mean 16.5
Std Dev 9.522

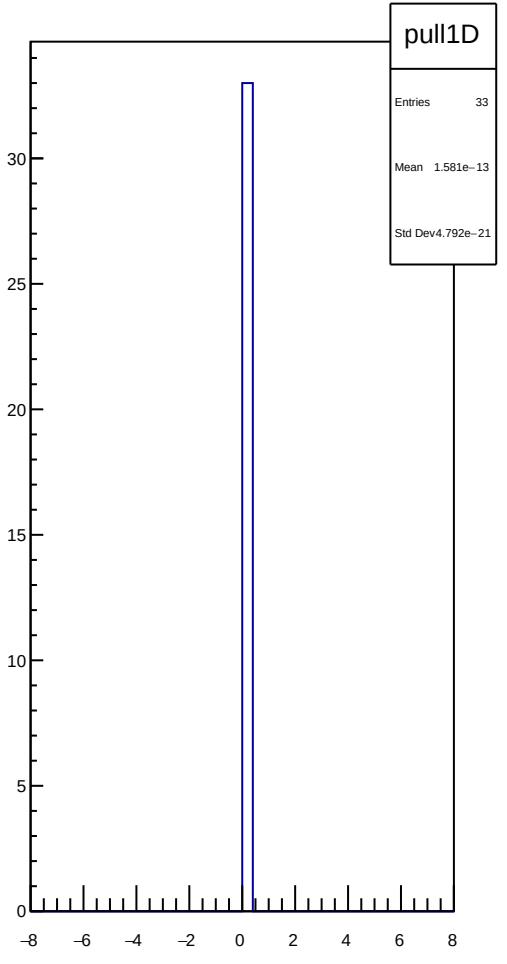

pull1D
Entries 33
Mean −8.384e−15
Std Dev3.176e−22
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

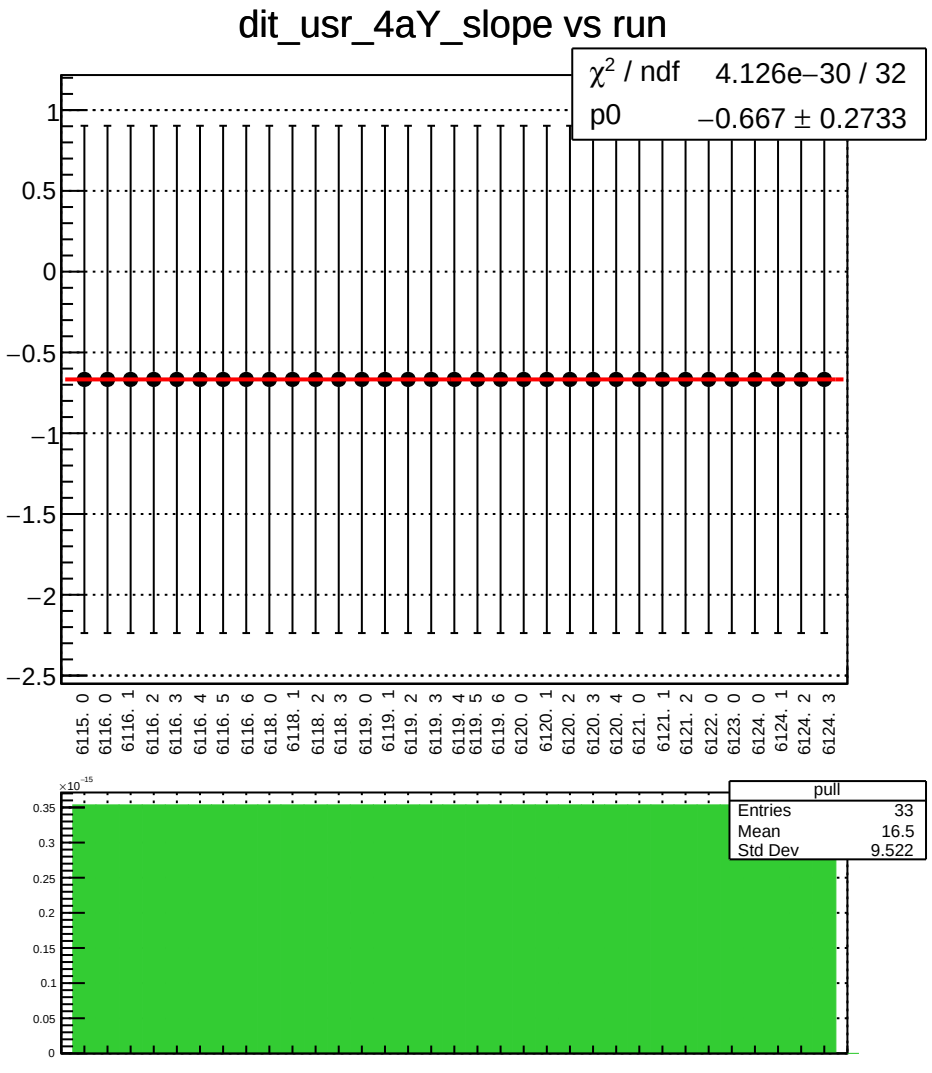

dit_usr_4aX_slope vs run
χ² / ndf 1.766e−26 / 32
p0 −118.3 ± 0.3208
−116.5
−117
−117.5
−118
−118.5
−119
−119.5
−120
−120.5
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹⁵
pull
Entries 33
Mean 16.5
Std Dev 9.522
pull1D
Entries 33
Mean 2.313e−14
Std Dev7.923e−22

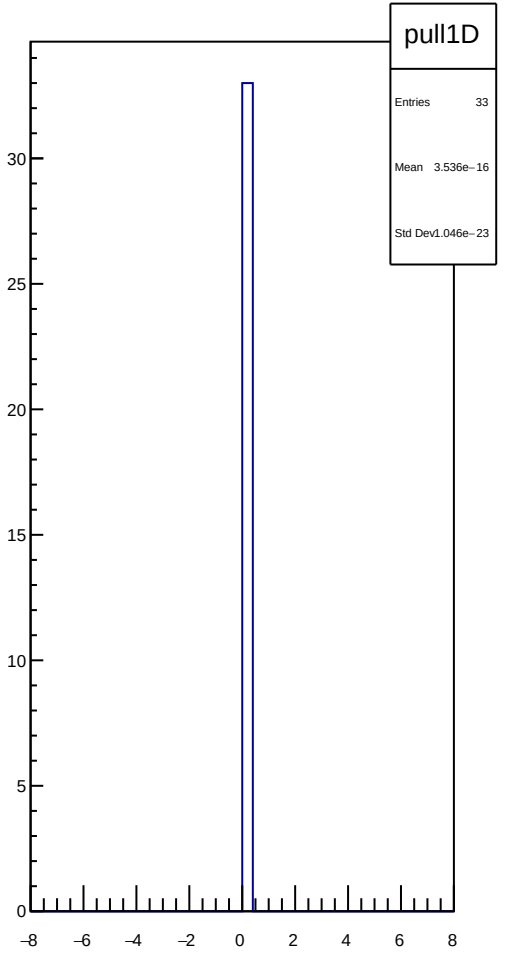

dit_usr_4eX_slope vs run
χ² / ndf 3.43e−26 / 32
p0 211.8 ± 0.3069
213.5
213
212.5
212
211.5
211
210.5
210
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
pull
Entries 33
Mean 16.5
Std Dev 9.522

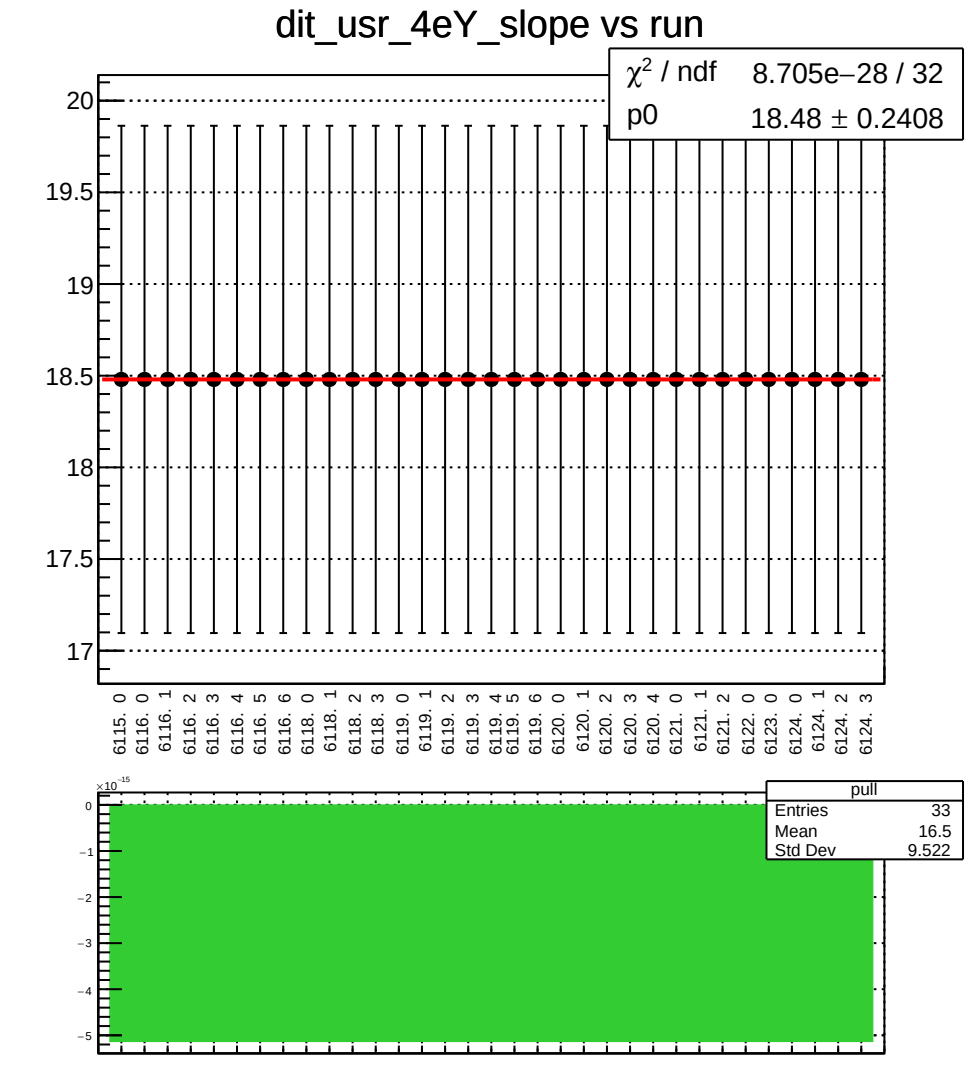

pull1D
Entries 33
Mean −3.224e−14
Std Dev 9.47e−22
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

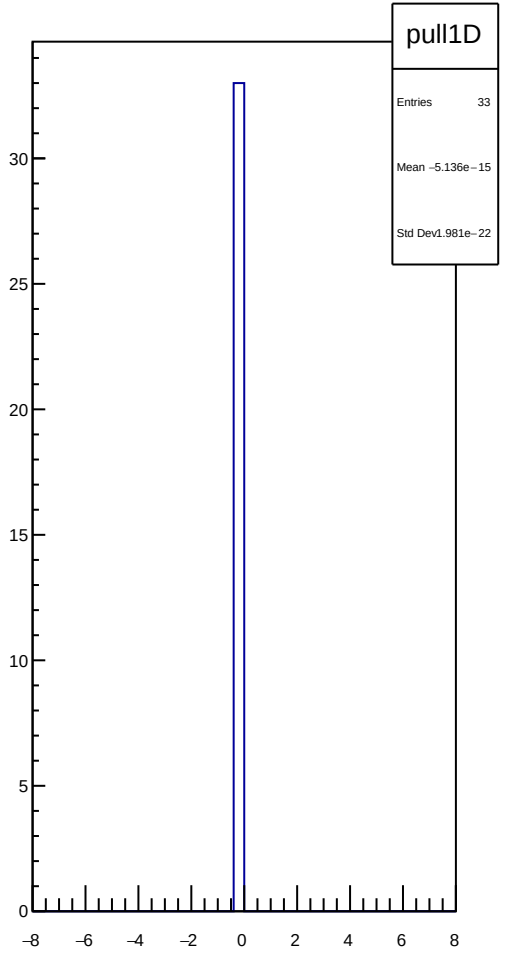

dit_usr_11X12X_slope vs run
χ² / ndf 8.248e−25 / 32
p0 −41.75 ± 0.06259
−41.4
−41.5
−41.6
−41.7
−41.8
−41.9
−42
−42.1
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹²
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 33
Mean 16.5
Std Dev 9.522

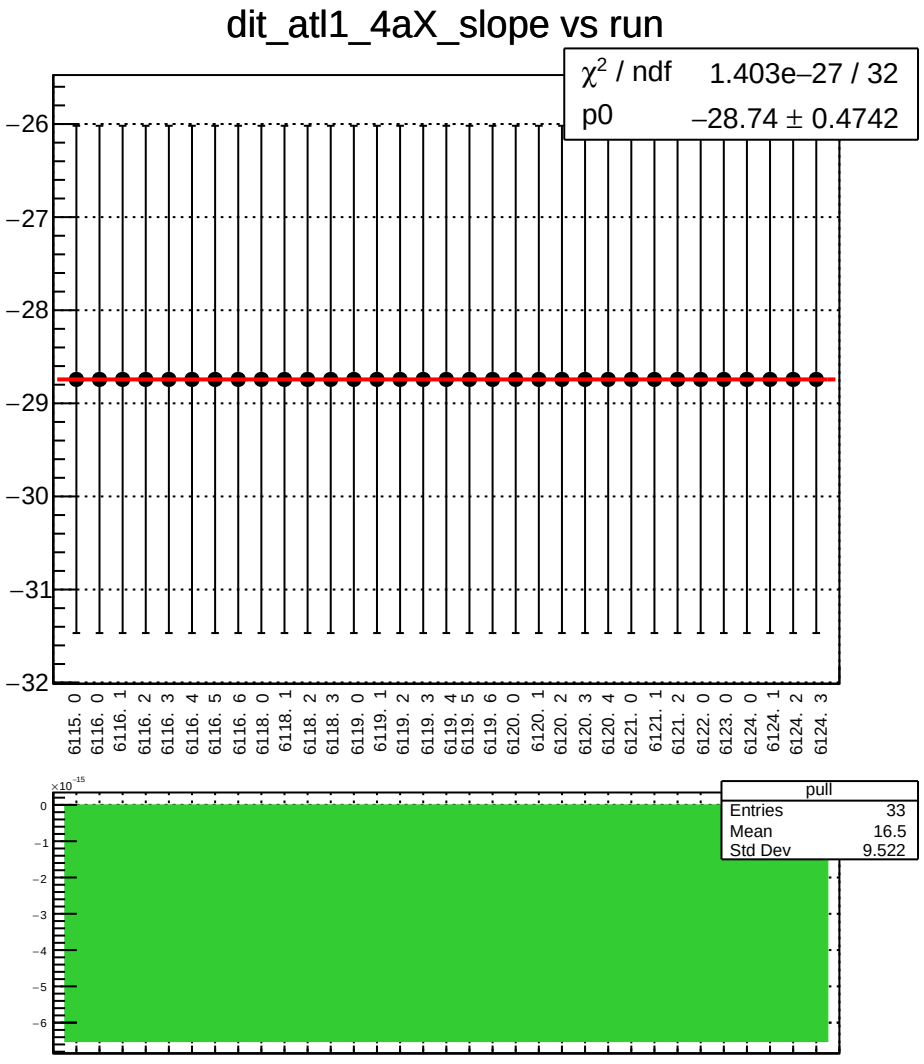

pull1D
Entries 33
Mean 1.581e−13
Std Dev4.792e−21
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

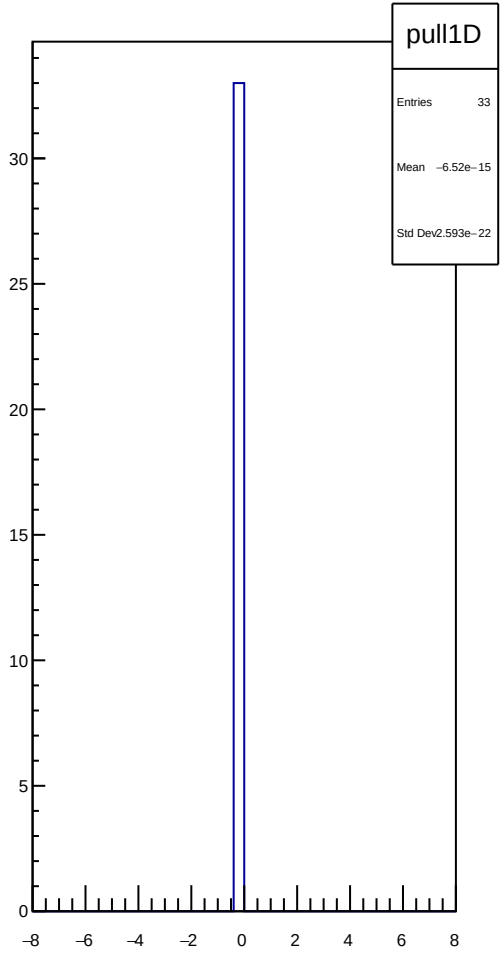

dit_usr_4aY_slope vs run
χ² / ndf 4.126e−30 / 32
p0 −0.667 ± 0.2733
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹⁵
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
pull
Entries 33
Mean 16.5
Std Dev 9.522

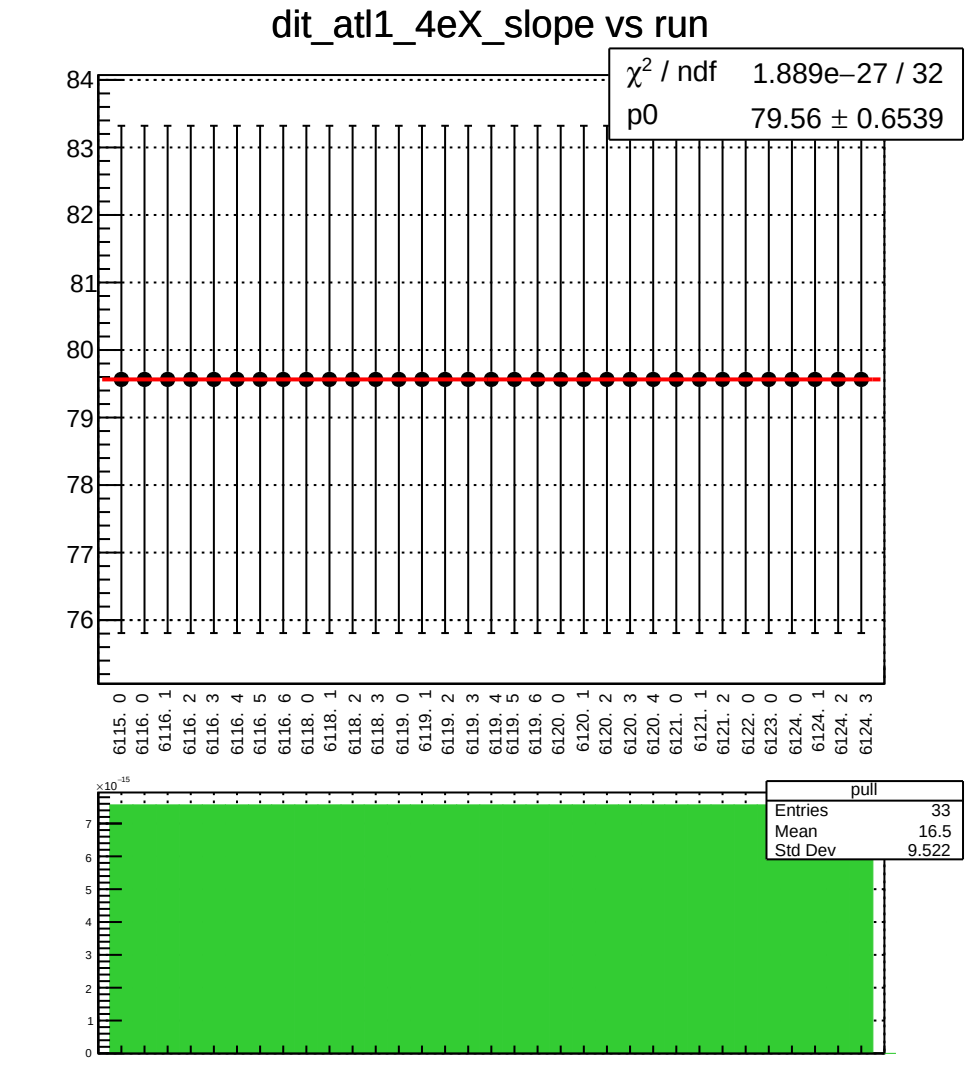

pull1D
Entries 33
Mean 3.536e−16
Std Dev1.046e−23
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

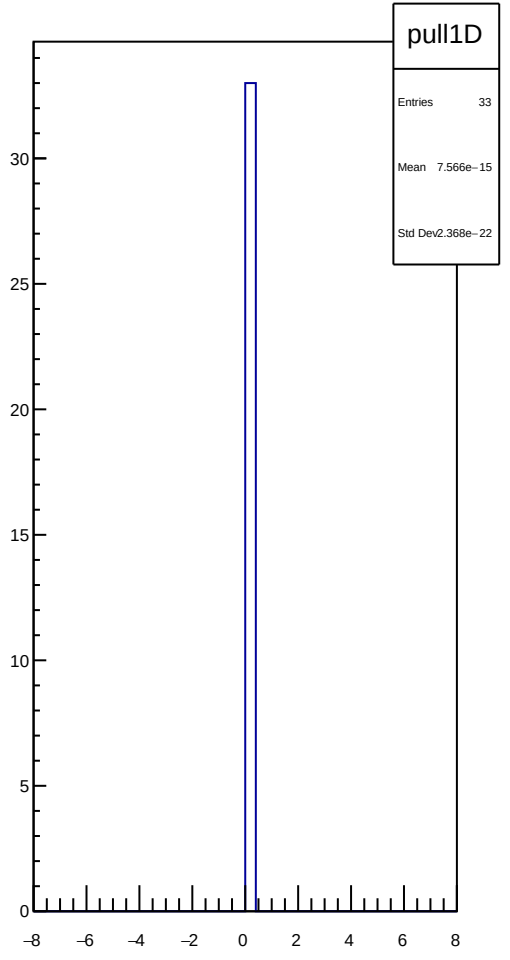

dit_usr_4eY_slope vs run
χ² / ndf 8.705e−28 / 32
p0 18.48 ± 0.2408
20
19.5
19
18.5
18
17.5
17
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹⁵
0
−1
−2
−3
−4
−5
pull
Entries 33
Mean 16.5
Std Dev 9.522

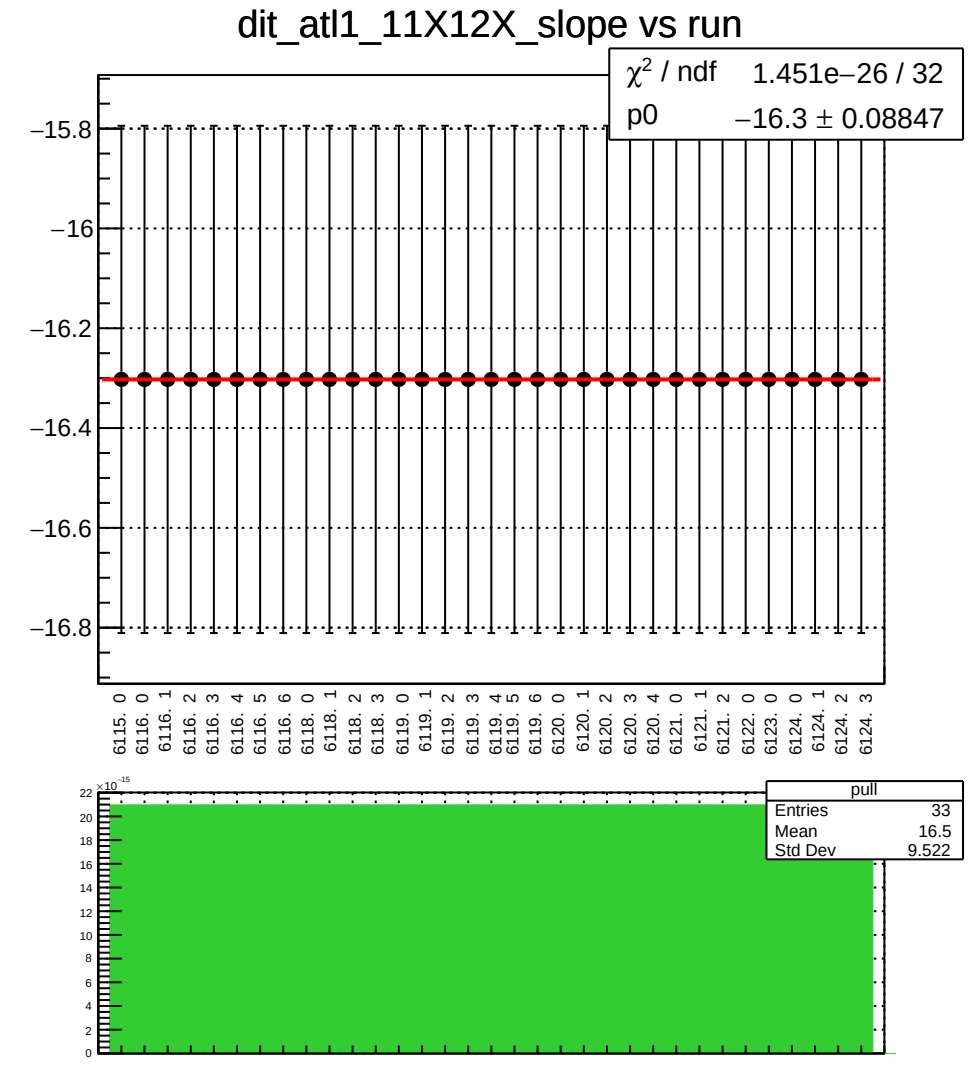

pull1D
Entries 33
Mean −5.136e−15
Std Dev1.981e−22
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

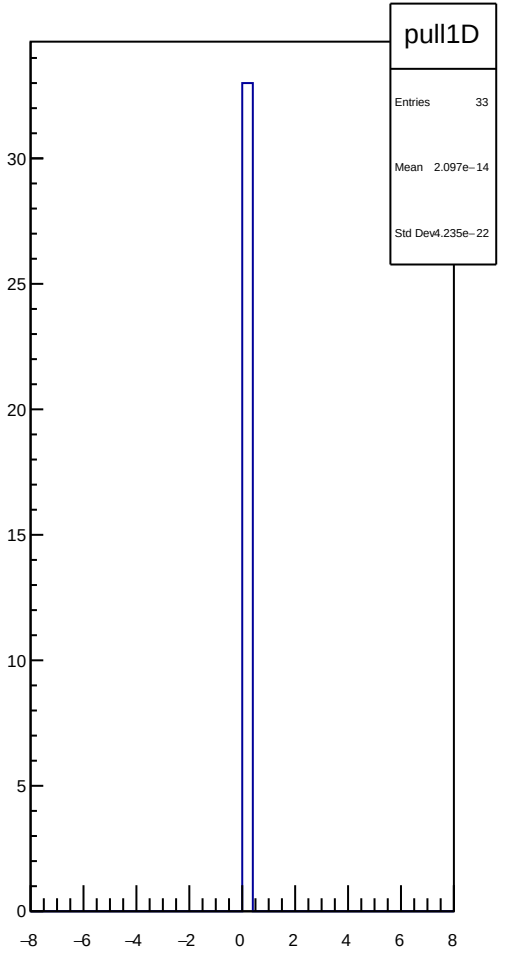

dit_atl1_4aX_slope vs run
χ² / ndf 1.403e−27 / 32
p0 −28.74 ± 0.4742
−26
−27
−28
−29
−30
−31
−32
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
pull
Entries 33
Mean 16.5
Std Dev 9.522

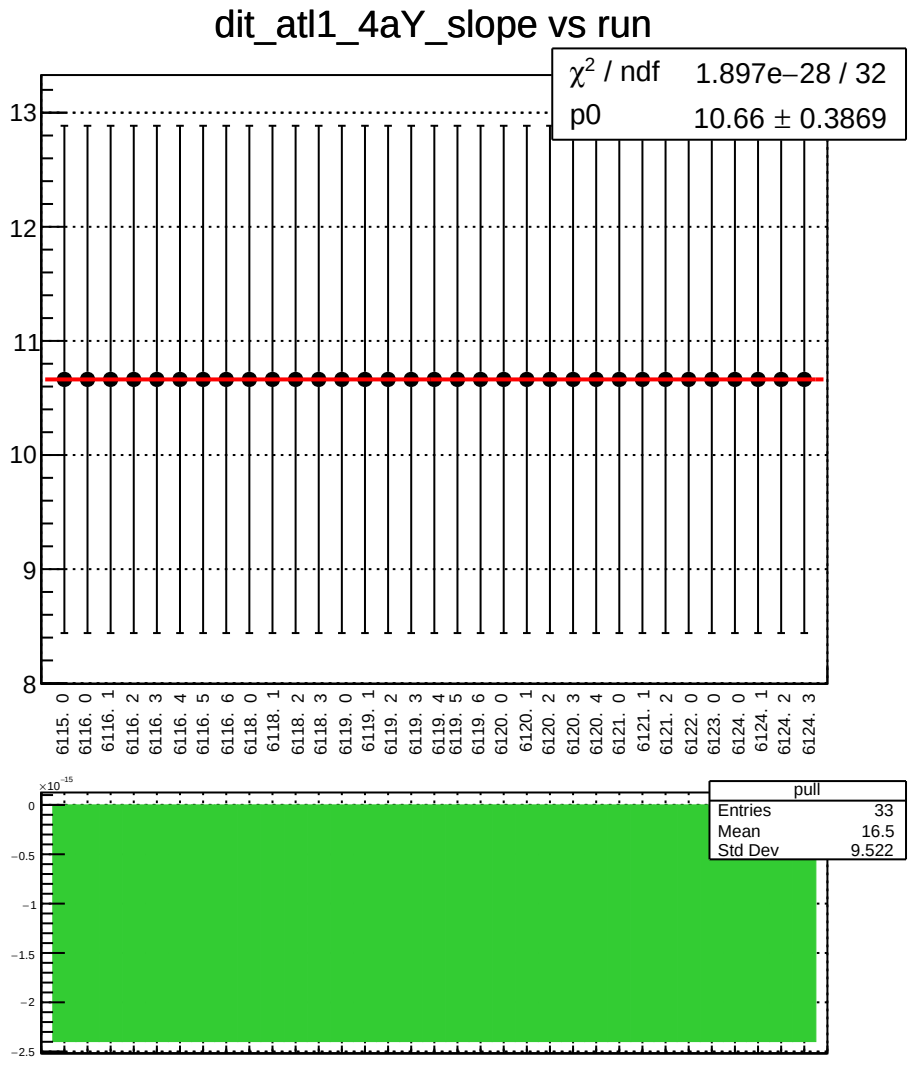

pull1D
Entries 33
Mean −6.52e−15
Std Dev 2.593e−22
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

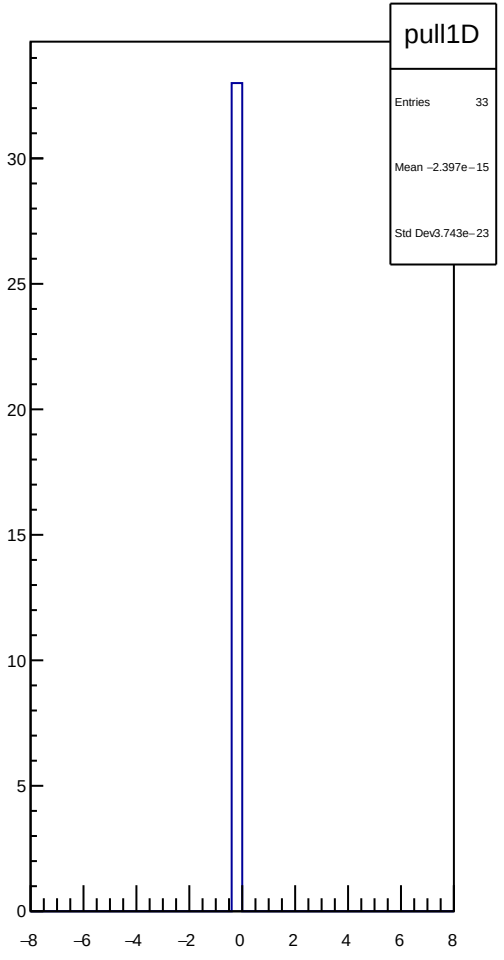

dit_atl1_4eX_slope vs run
χ² / ndf 1.889e−27 / 32
p0 79.56 ± 0.6539
84
83
82
81
80
79
78
77
76
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹⁵
7
6
5
4
3
2
1
0
pull
Entries 33
Mean 16.5
Std Dev 9.522

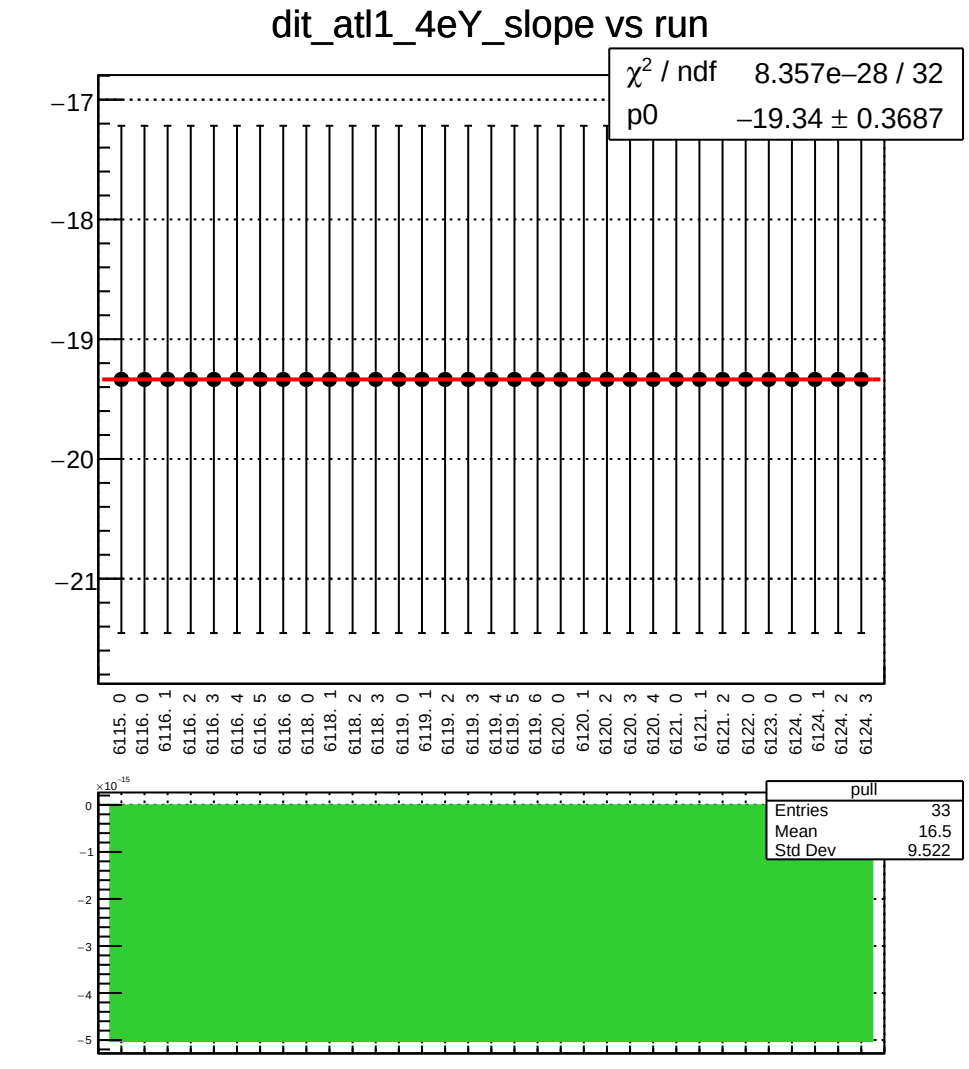

pull1D
Entries 33
Mean 7.566e−15
Std Dev2.368e−22
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

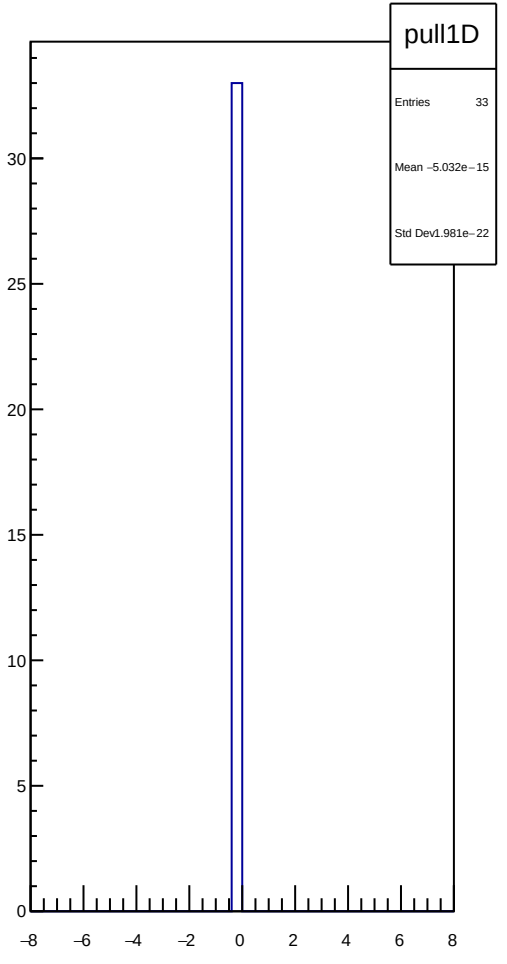

dit_atl1_11X12X_slope vs run
χ² / ndf 1.451e−26 / 32
p0 −16.3 ± 0.08847
−15.8
−16
−16.2
−16.4
−16.6
−16.8
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹⁵
22
20
18
16
14
12
10
8
6
4
2
0
pull
Entries 33
Mean 16.5
Std Dev 9.522

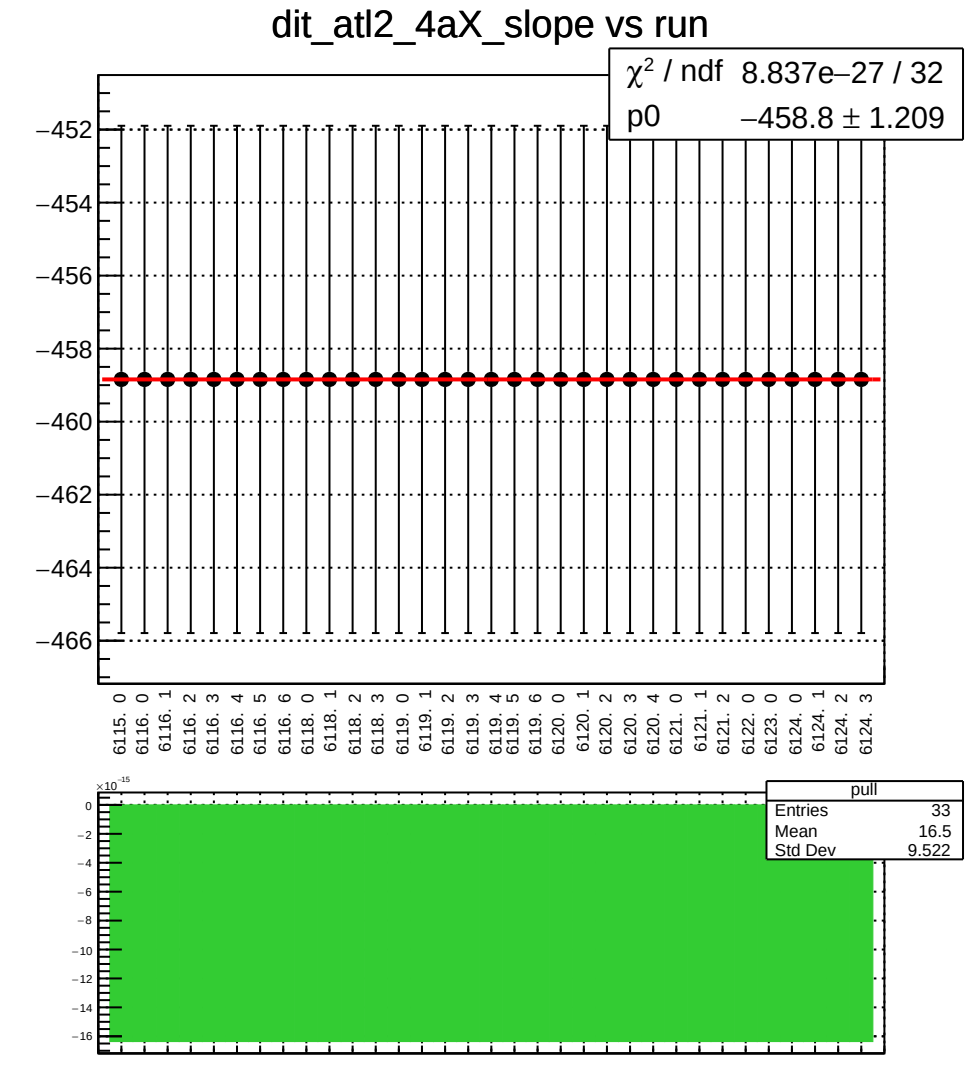

pull1D
Entries 33
Mean 2.097e−14
Std Dev4.235e−22
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

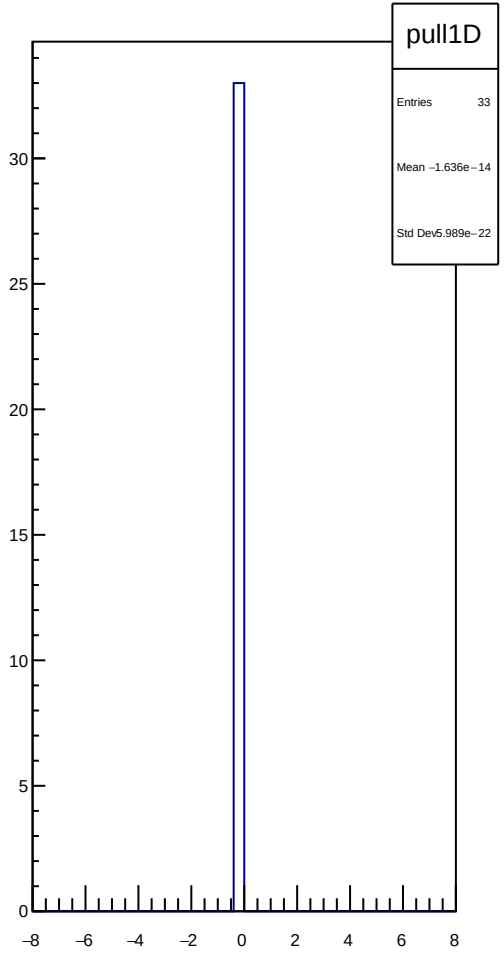

dit_atl1_4aY_slope vs run
χ² / ndf 1.897e−28 / 32
p0 10.66 ± 0.3869
13
12
11
10
9
8
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
pull
Entries 33
Mean 16.5
Std Dev 9.522

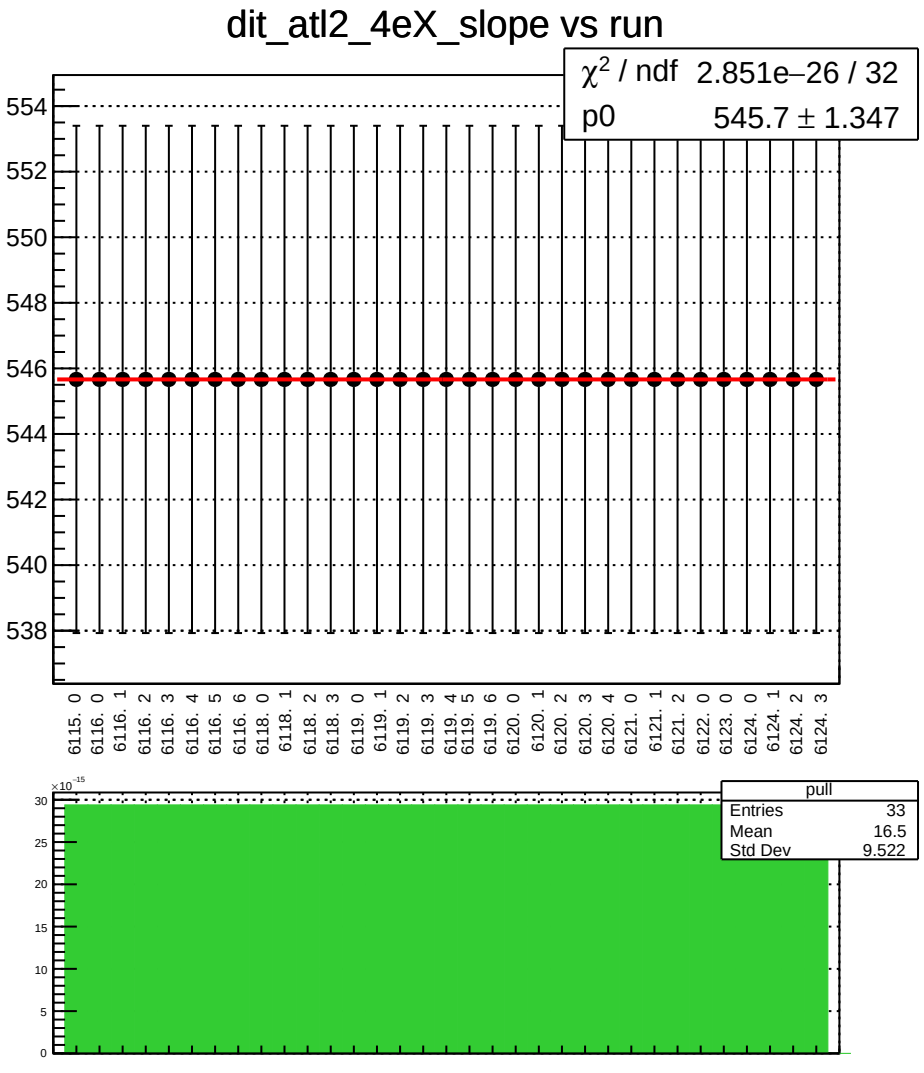

pull1D
Entries 33
Mean −2.397e−15
Std Dev3.743e−23
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

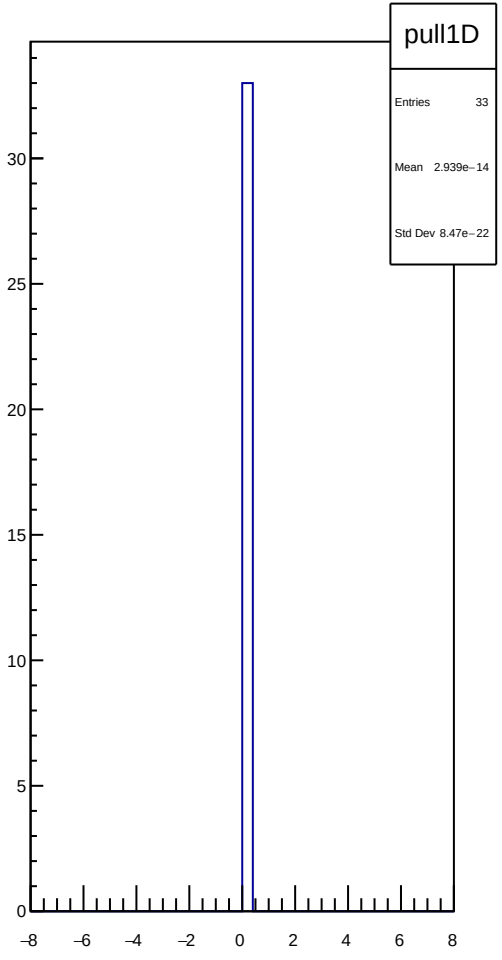

dit_atl1_4eY_slope vs run
χ² / ndf 8.357e−28 / 32
p0 −19.34 ± 0.3687
−17
−18
−19
−20
−21
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹⁵
0
−1
−2
−3
−4
−5
pull
Entries 33
Mean 16.5
Std Dev 9.522

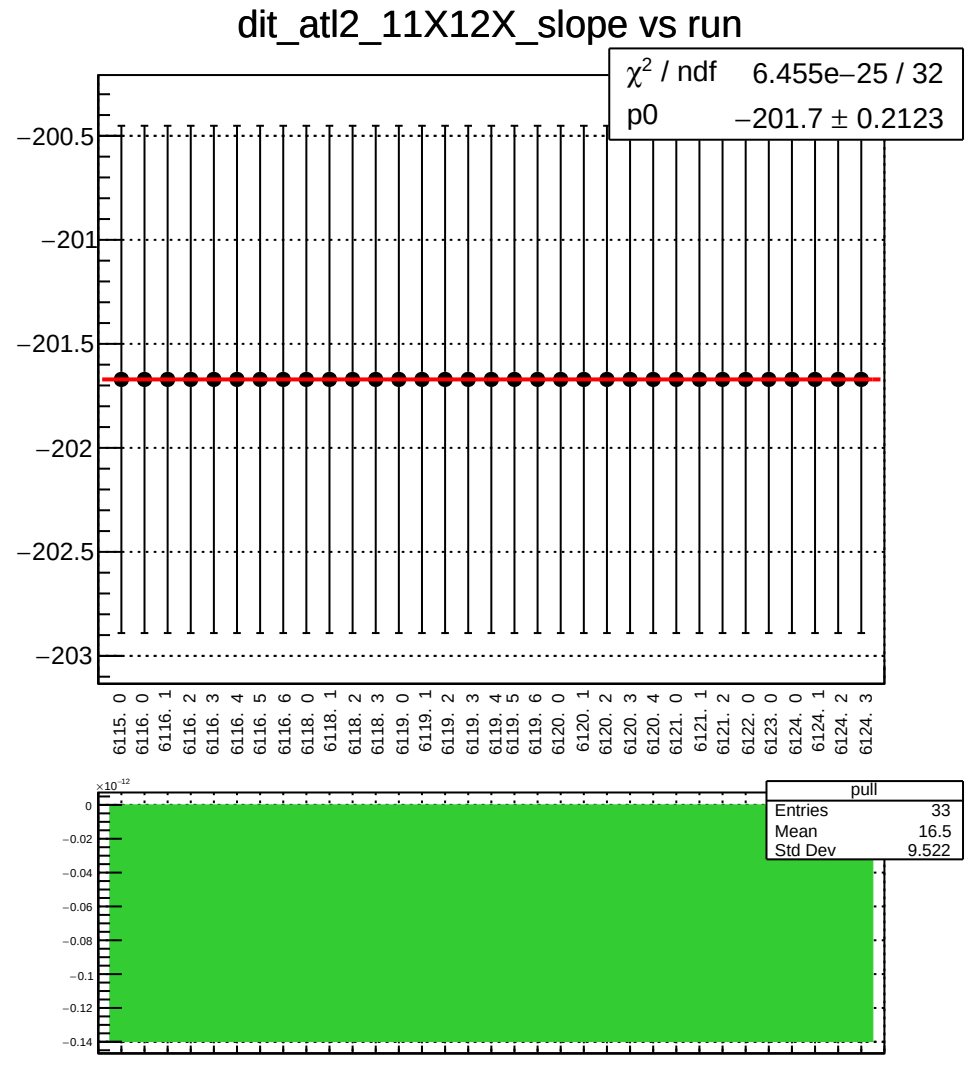

pull1D
Entries 33
Mean −5.032e−15
Std Dev1.981e−22
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

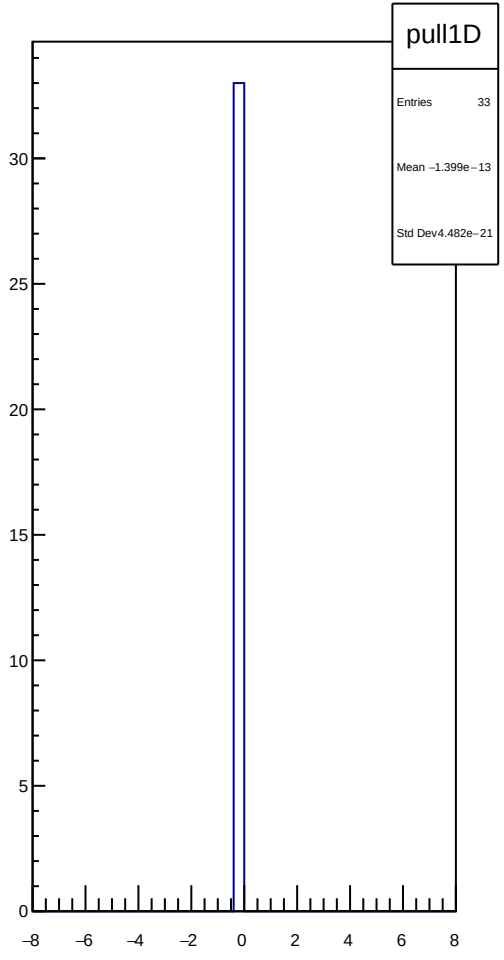

dit_atl2_4aX_slope vs run
χ² / ndf 8.837e−27 / 32
p0 −458.8 ± 1.209
−452
−454
−456
−458
−460
−462
−464
−466
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
pull
Entries 33
Mean 16.5
Std Dev 9.522

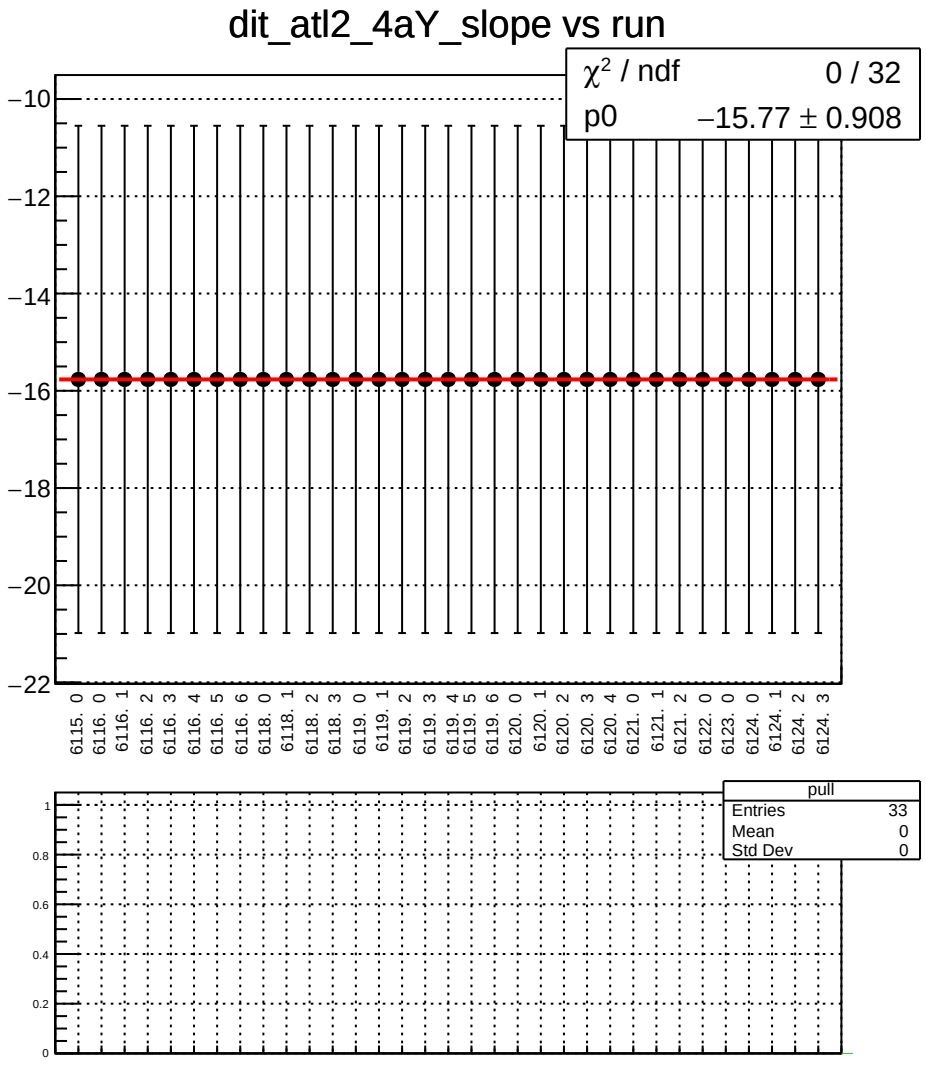

pull1D
Entries 33
Mean −1.636e−14
Std Dev 5.989e−22
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

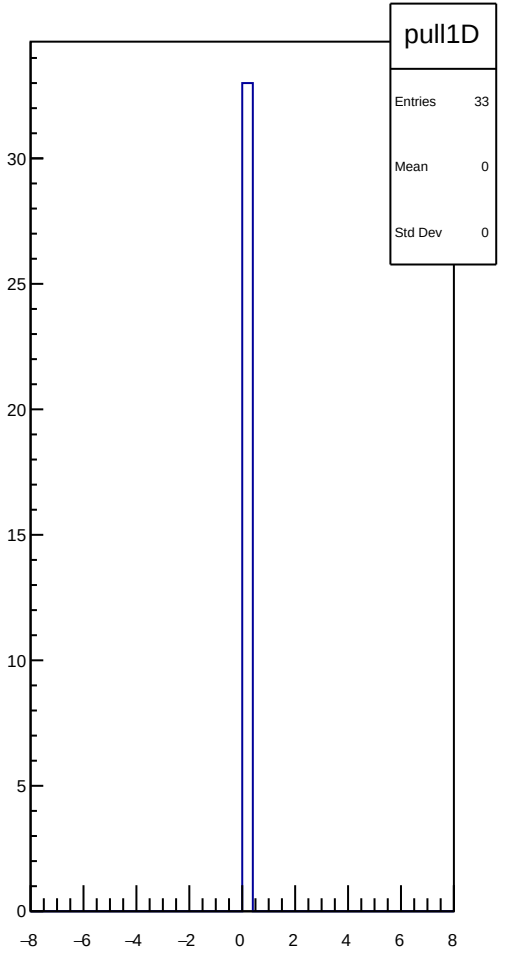

dit_atl2_4eX_slope vs run
χ² / ndf 2.851e−26 / 32
p0 545.7 ± 1.347
554
552
550
548
546
544
542
540
538
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹⁵
30
25
20
15
10
5
0
pull
Entries 33
Mean 16.5
Std Dev 9.522

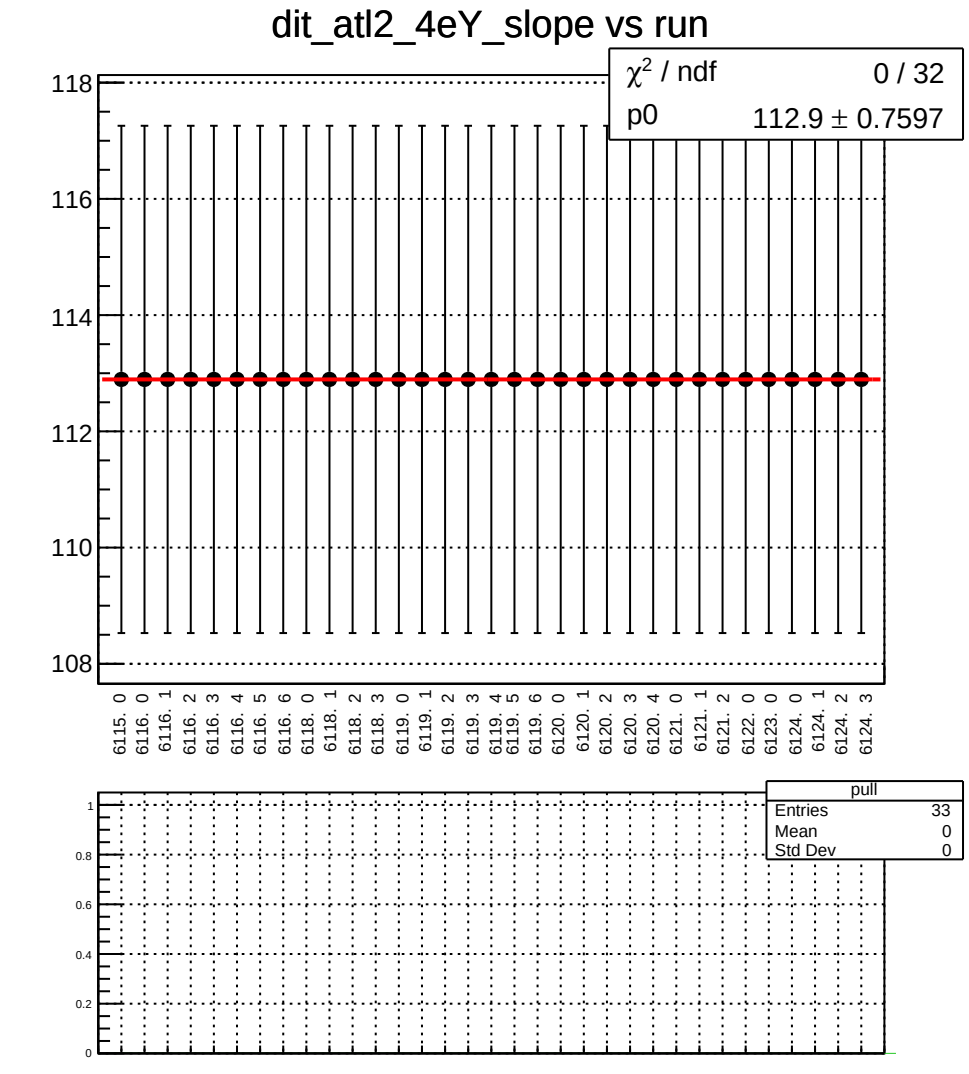

pull1D
Entries 33
Mean 2.939e−14
Std Dev 8.47e−22
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

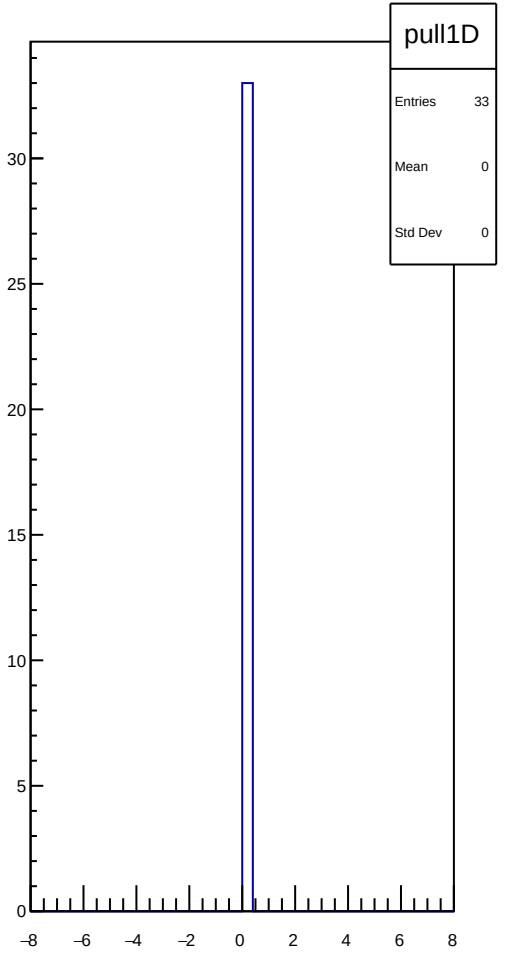

dit_atl2_11X12X_slope vs run
χ² / ndf 6.455e−25 / 32
p0 −201.7 ± 0.2123
−200.5
−201
−201.5
−202
−202.5
−203
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
pull
Entries 33
Mean 16.5
Std Dev 9.522

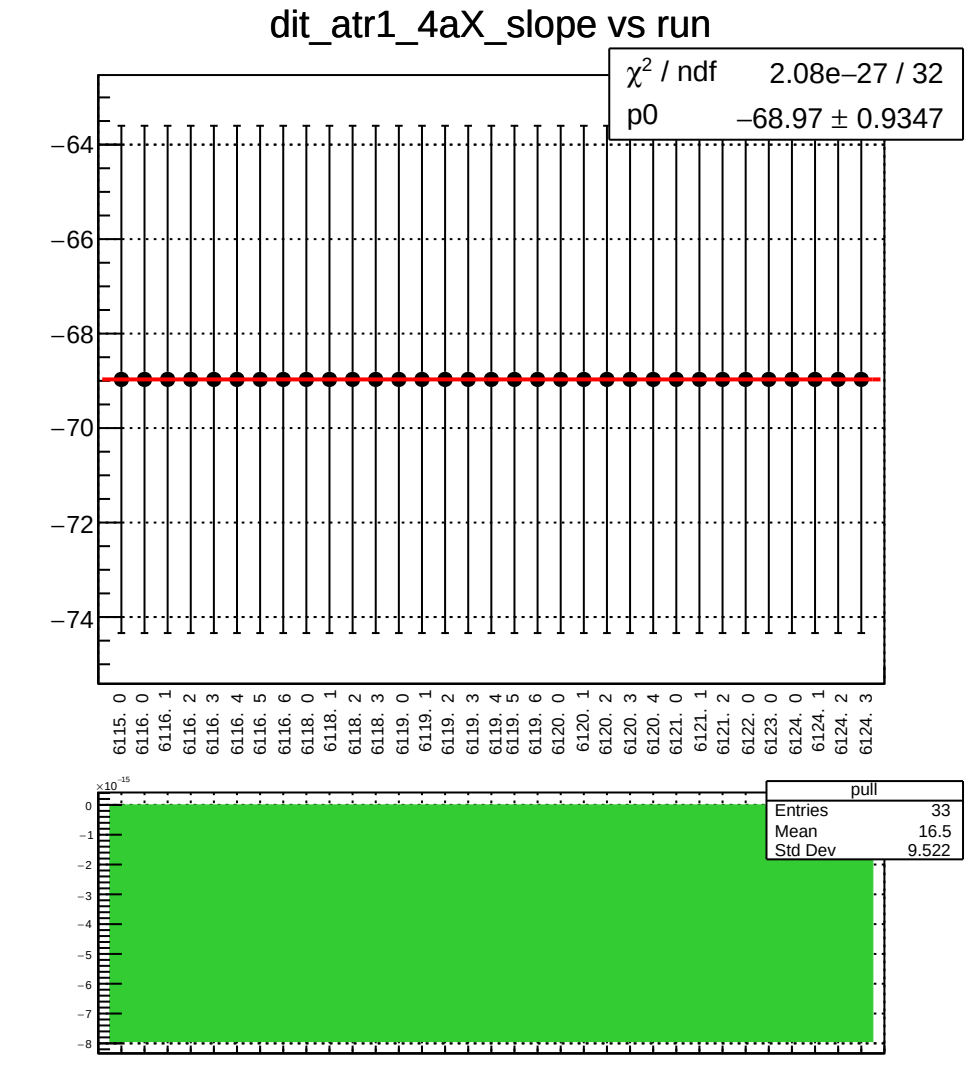

pull1D
Entries 33
Mean −1.399e−13
Std Dev4.482e−21
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

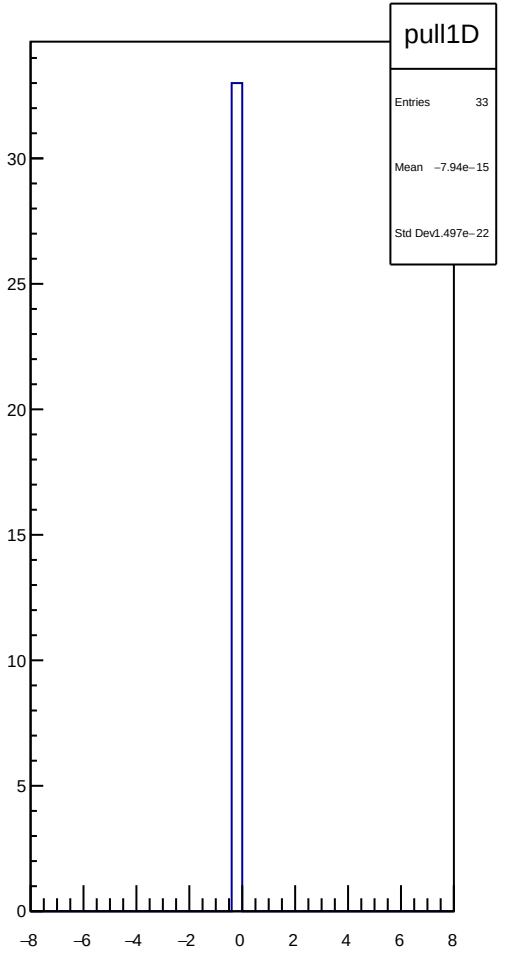

dit_atl2_4aY_slope vs run
χ² / ndf 0 / 32
p0 −15.77 ± 0.908
−10
−12
−14
−16
−18
−20
−22
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

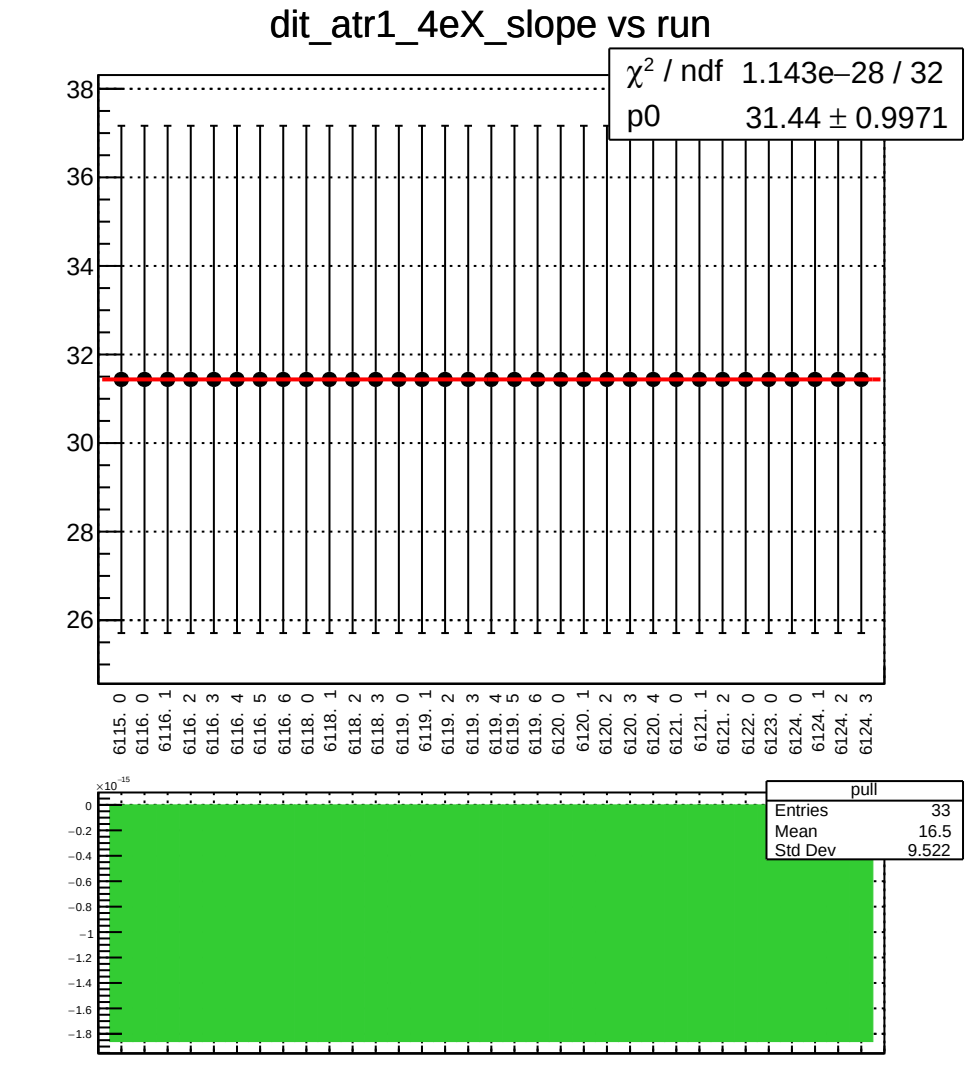

pull1D
Entries 33
Mean 0
Std Dev 0
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

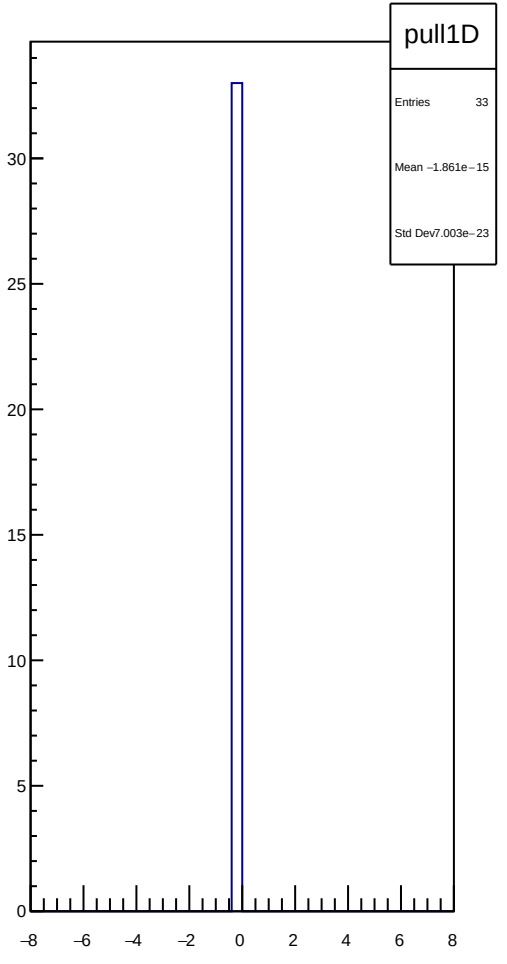

dit_atl2_4eY_slope vs run
χ² / ndf 0 / 32
p0 112.9 ± 0.7597
118
116
114
112
110
108
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

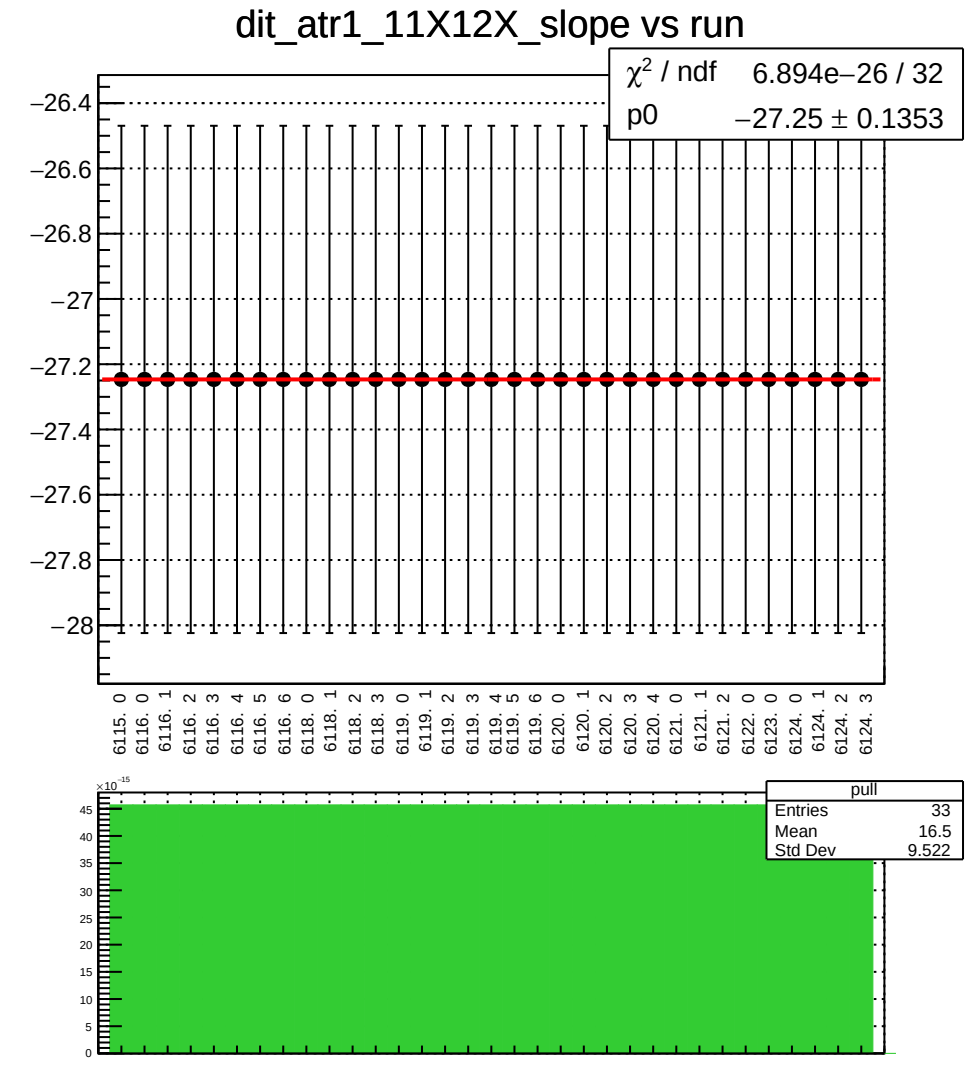

pull1D
Entries 33
Mean 0
Std Dev 0
30
25
20
15
10
5
0
–8
–6
–4
–2
0
2
4
6
8

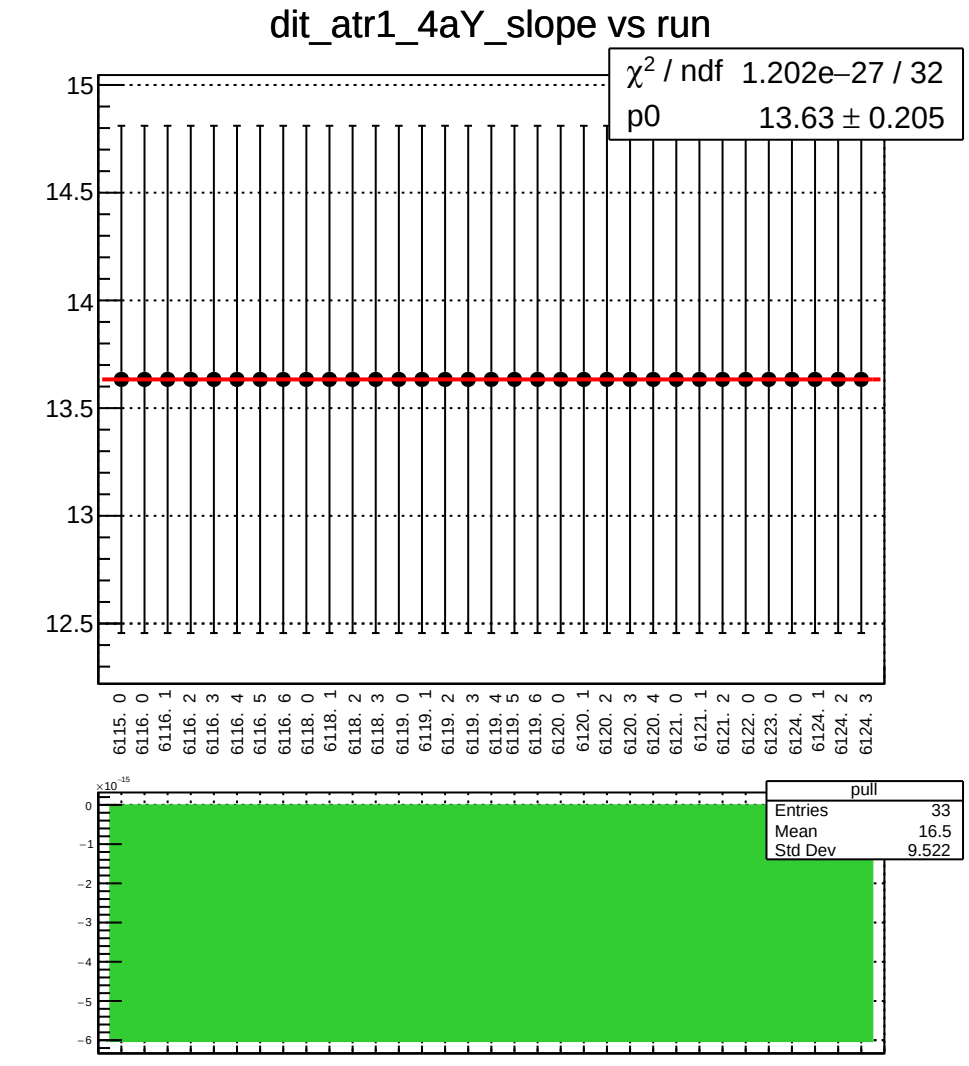

dit_atr1_4aX_slope vs run
χ² / ndf 2.08e−27 / 32
p0 −68.97 ± 0.9347
−64
−66
−68
−70
−72
−74
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7
−8
pull
Entries 33
Mean 16.5
Std Dev 9.522

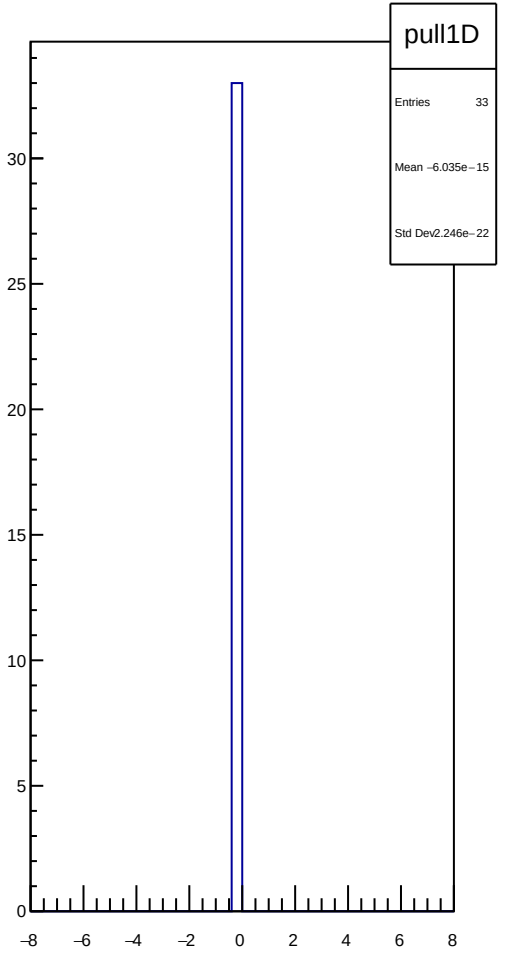

pull1D
Entries 33
Mean −7.94e−15
Std Dev1.497e−22
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

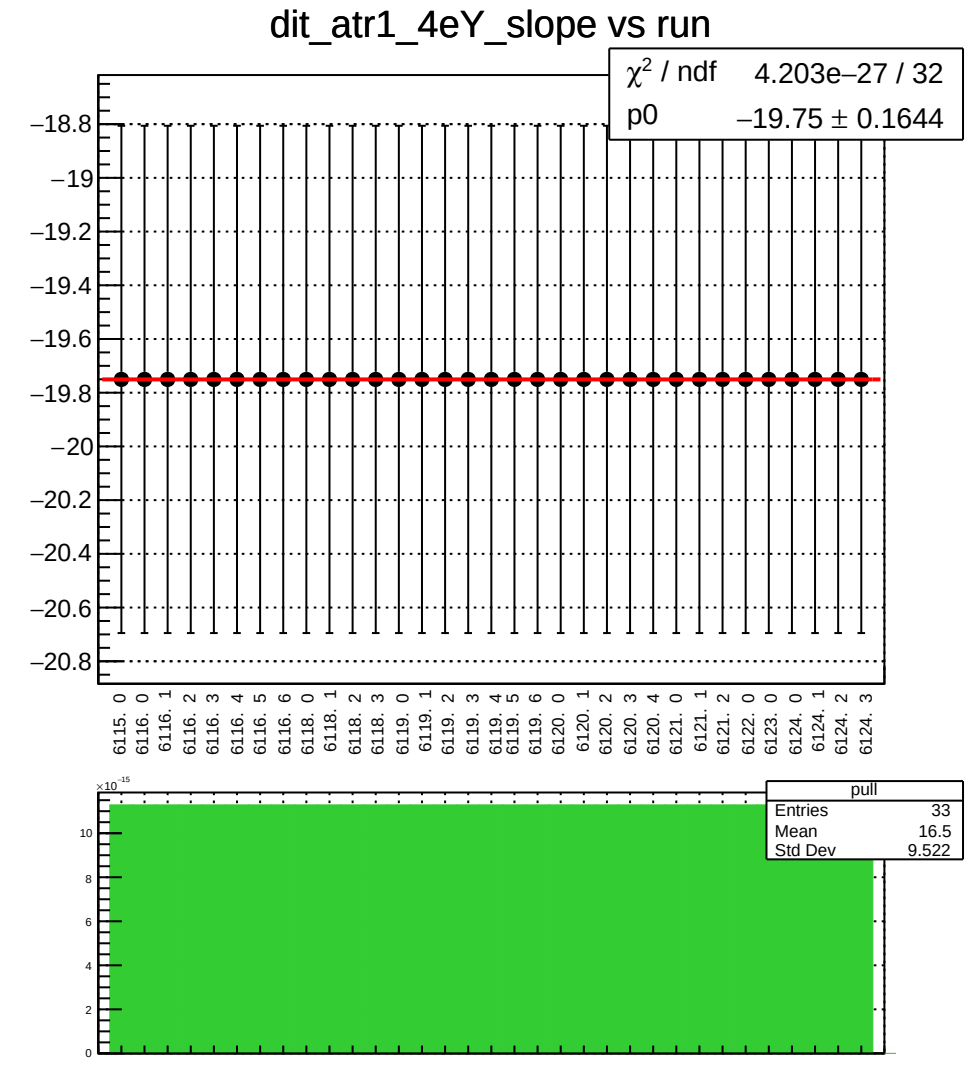

dit_atr1_4eX_slope vs run
χ² / ndf 1.143e−28 / 32
p0 31.44 ± 0.9971
38
36
34
32
30
28
26
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹⁵
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6
−1.8
pull
Entries 33
Mean 16.5
Std Dev 9.522

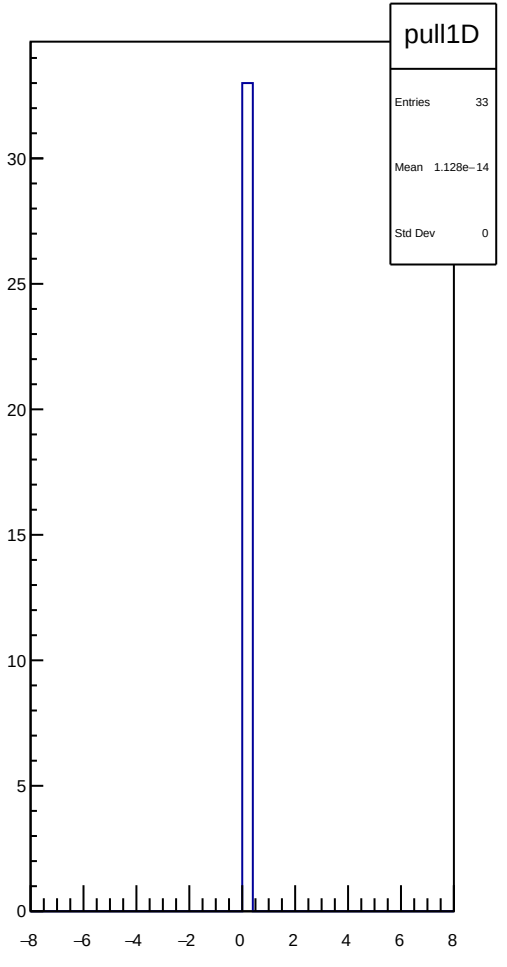

pull1D
Entries 33
Mean −1.861e−15
Std Dev7.003e−23
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

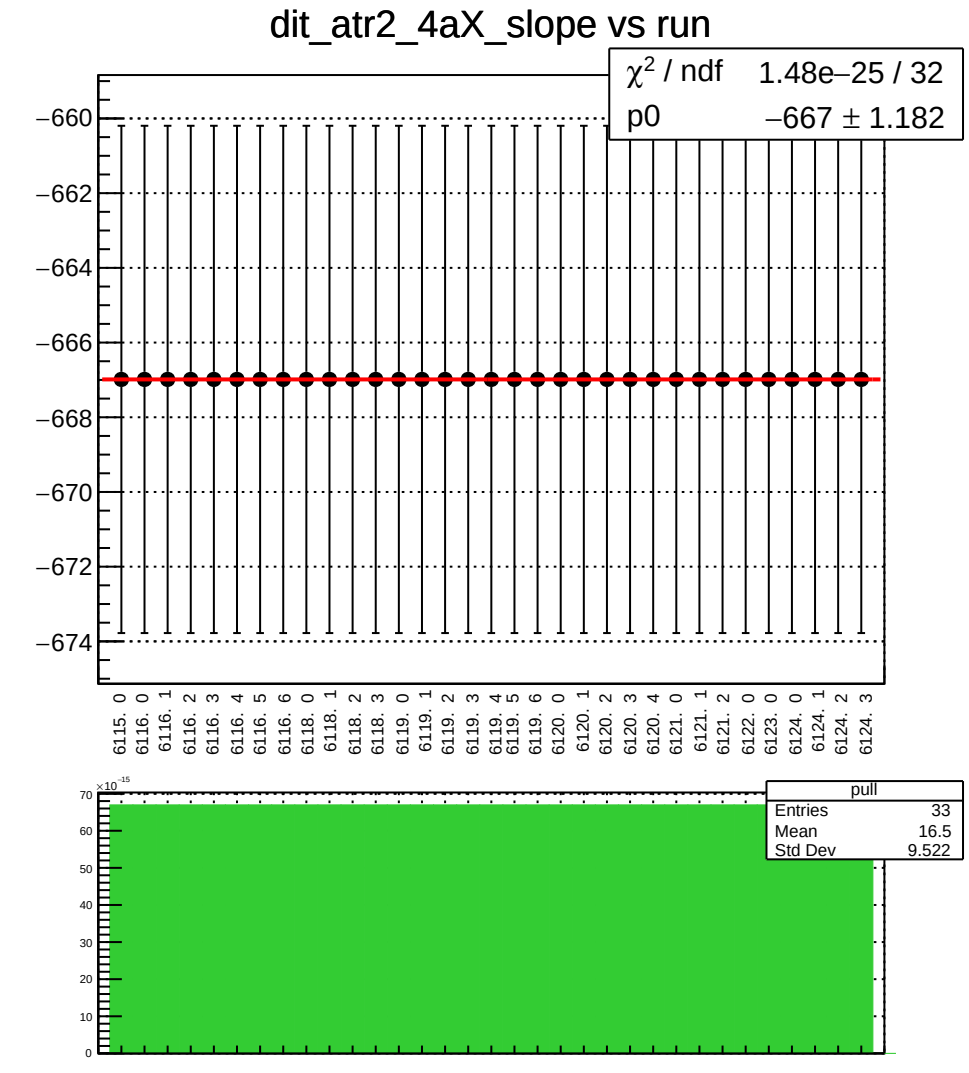

dit_atr1_11X12X_slope vs run
χ² / ndf 6.894e−26 / 32
p0 −27.25 ± 0.1353
−26.4
−26.6
−26.8
−27
−27.2
−27.4
−27.6
−27.8
−28
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹⁵
pull
Entries 33
Mean 16.5
Std Dev 9.522
pull1D
Entries 33
Mean 4.571e−14
Std Dev1.694e−21

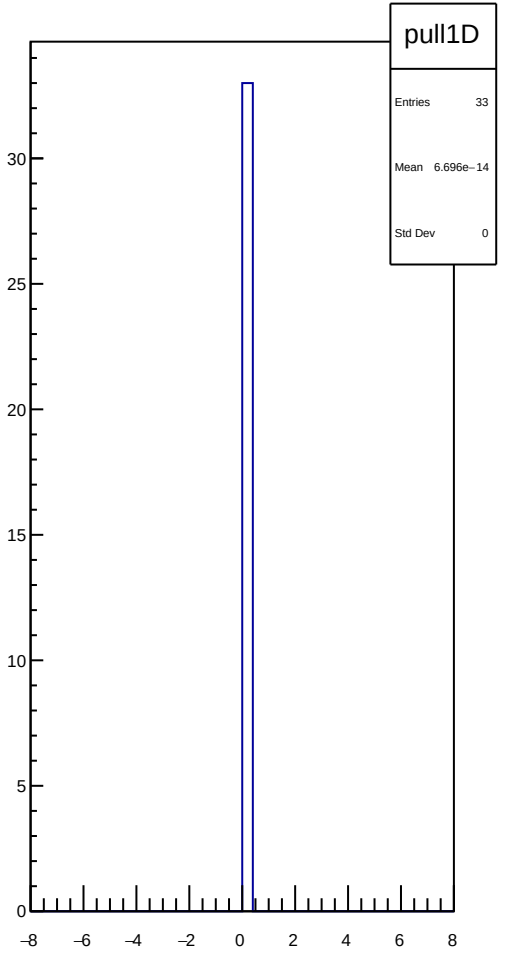

dit_atr1_4aY_slope vs run
χ² / ndf 1.202e−27 / 32
p0 13.63 ± 0.205
15
14.5
14
13.5
13
12.5
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
pull
Entries 33
Mean 16.5
Std Dev 9.522

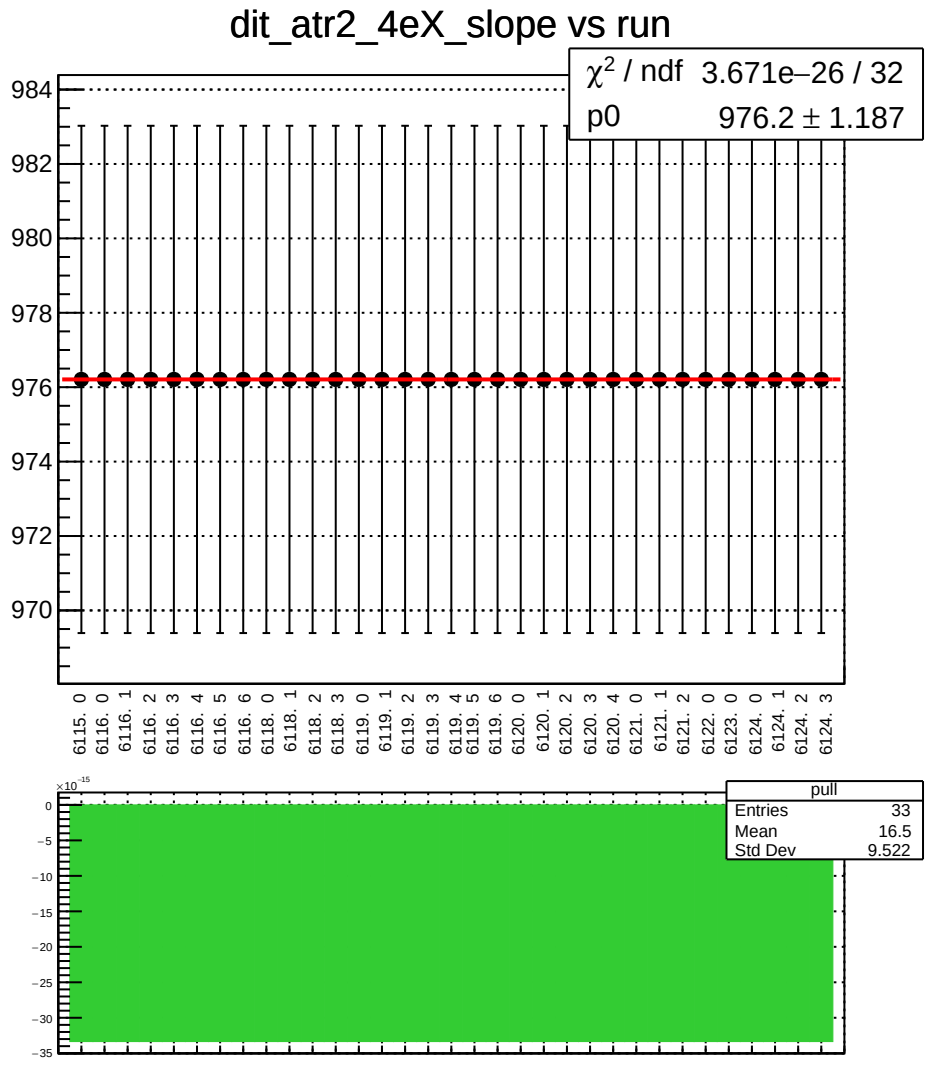

pull1D
Entries 33
Mean −6.035e−15
Std Dev 2.246e−22
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

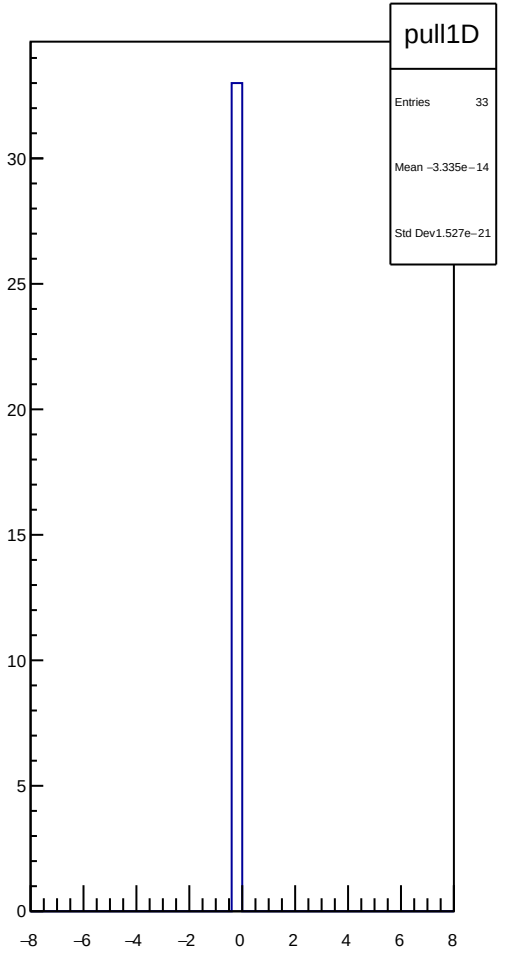

dit_atr1_4eY_slope vs run
χ² / ndf 4.203e−27 / 32
p0 −19.75 ± 0.1644
−18.8
−19
−19.2
−19.4
−19.6
−19.8
−20
−20.2
−20.4
−20.6
−20.8
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹⁵
10
8
6
4
2
0
pull
Entries 33
Mean 16.5
Std Dev 9.522

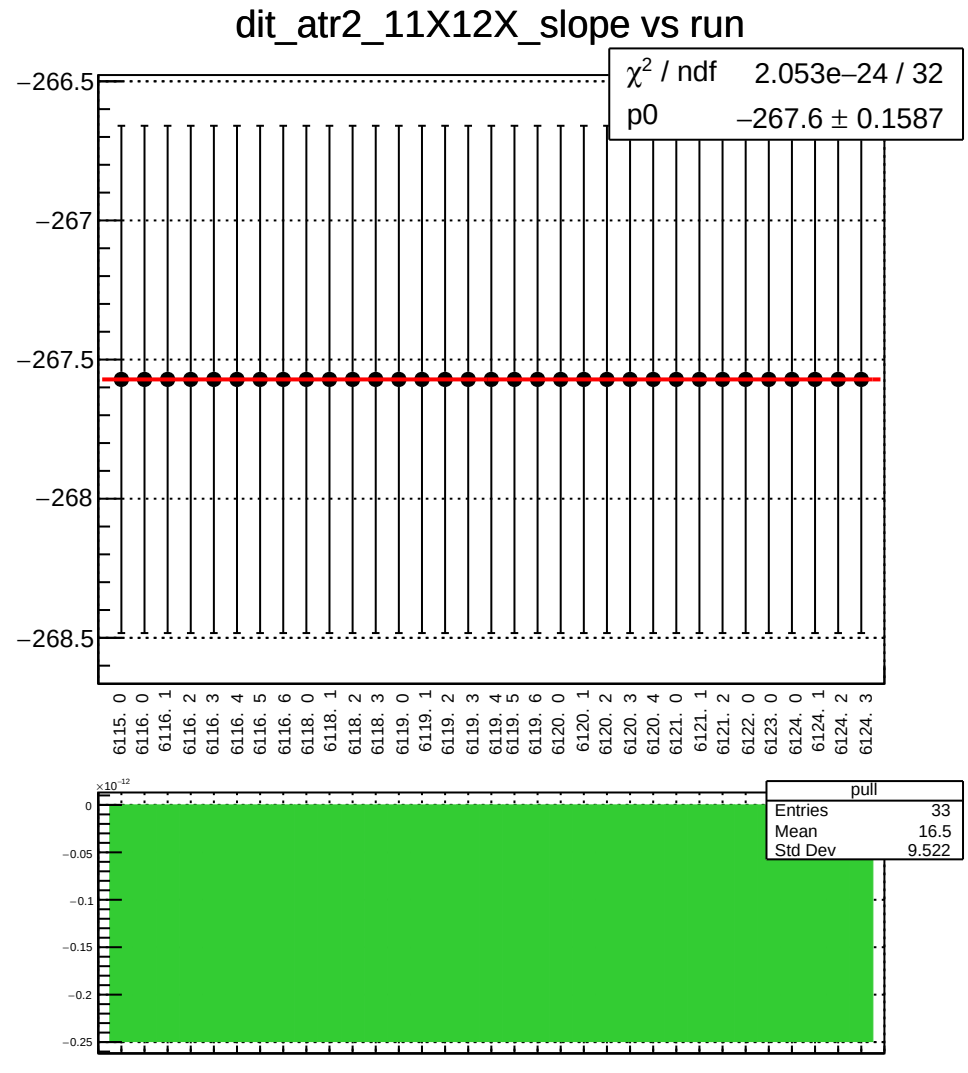

pull1D
Entries 33
Mean 1.128e−14
Std Dev 0
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

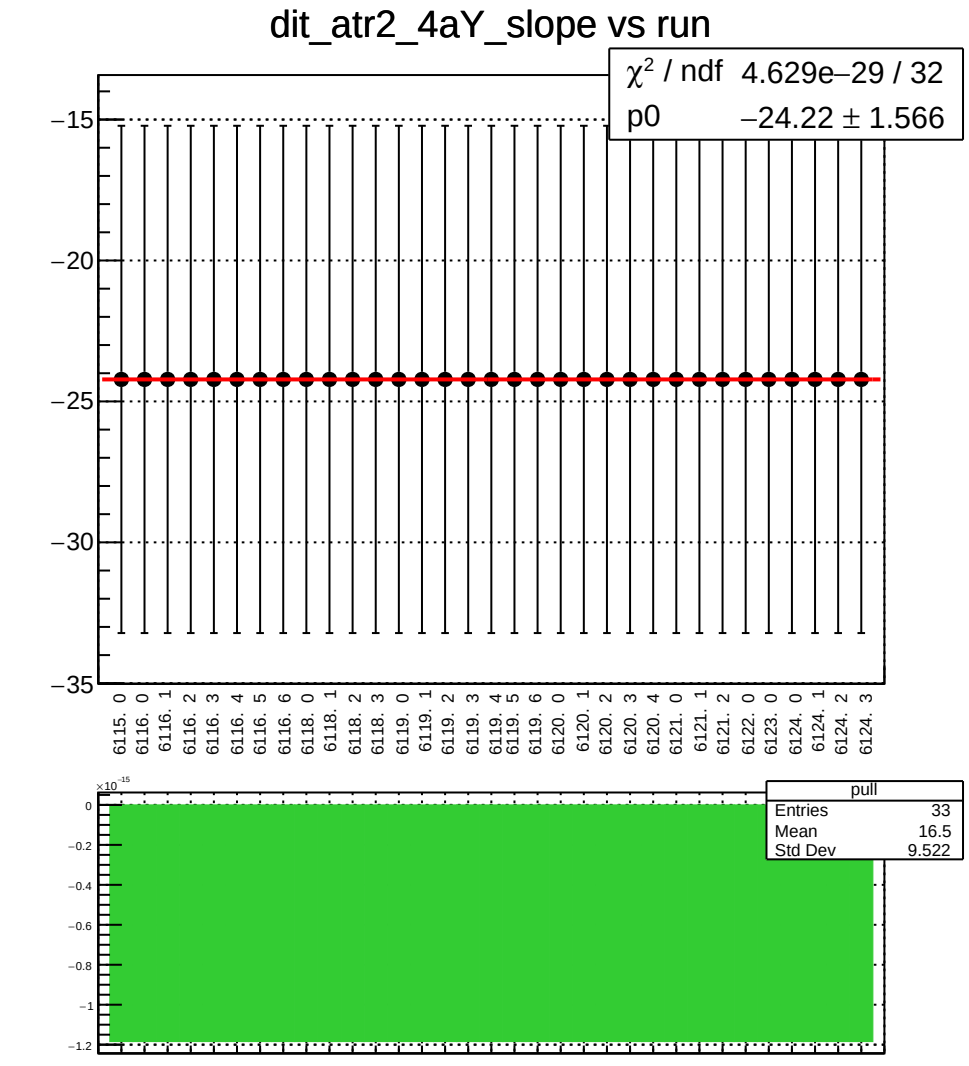

dit_atr2_4aX_slope vs run
χ² / ndf 1.48e−25 / 32
p0 −667 ± 1.182
−660
−662
−664
−666
−668
−670
−672
−674
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹⁵
70
60
50
40
30
20
10
0
pull
Entries 33
Mean 16.5
Std Dev 9.522

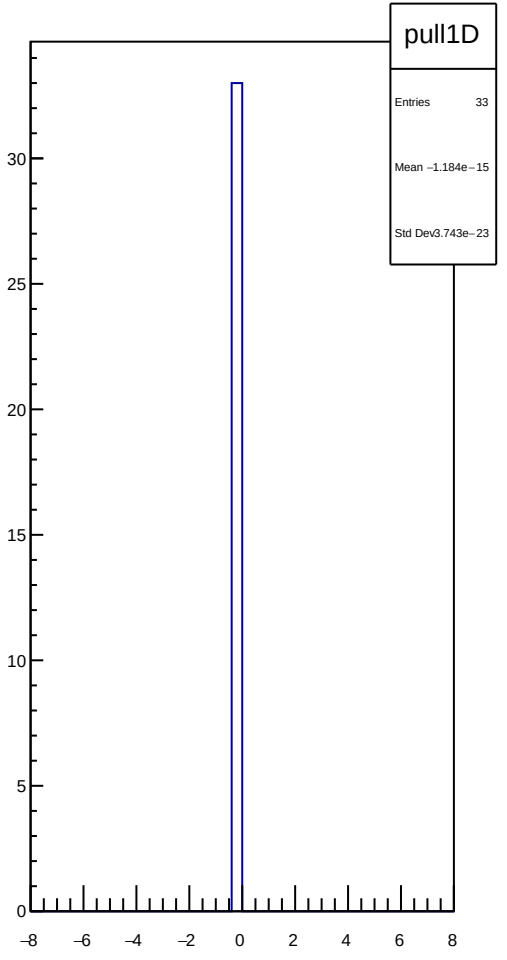

pull1D
Entries 33
Mean 6.696e−14
Std Dev 0
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

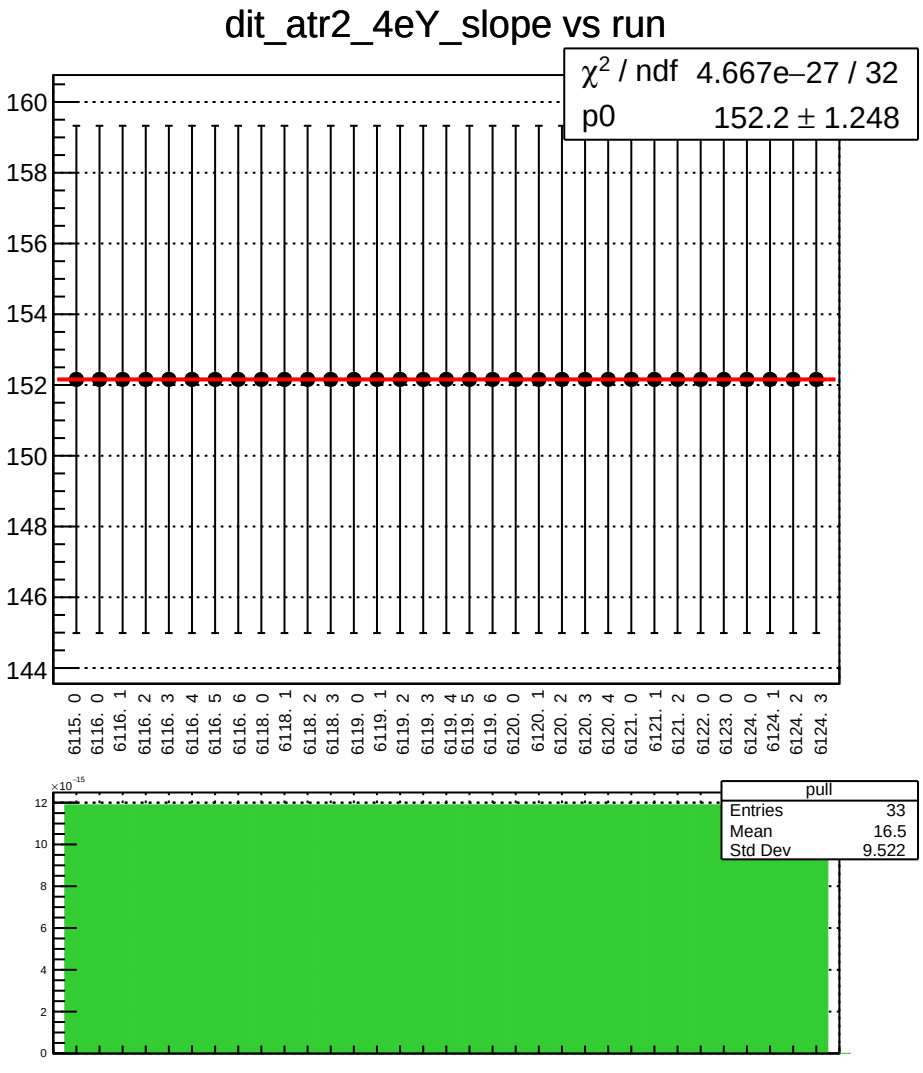

dit_atr2_4eX_slope vs run
χ² / ndf 3.671e−26 / 32
p0 976.2 ± 1.187
984
982
980
978
976
974
972
970
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
pull
Entries 33
Mean 16.5
Std Dev 9.522

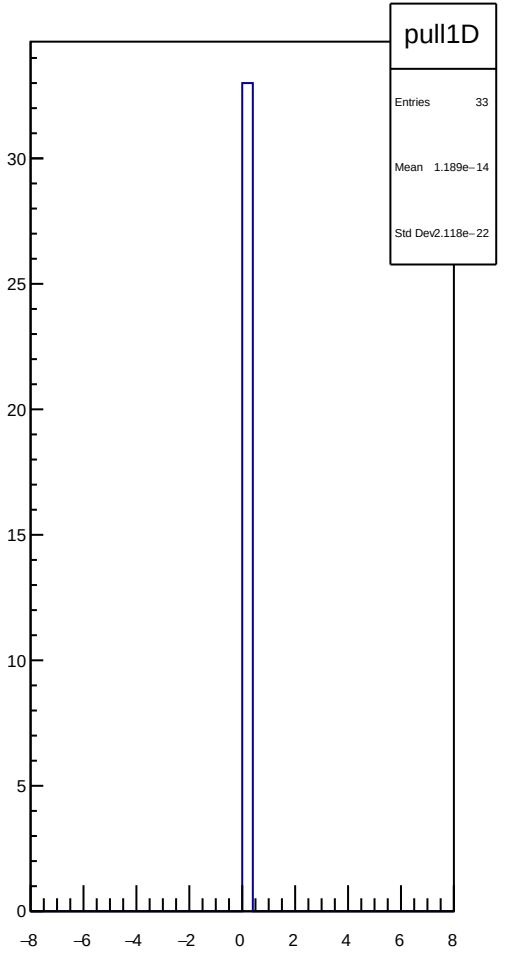

pull1D
Entries 33
Mean −3.335e−14
Std Dev1.527e−21
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

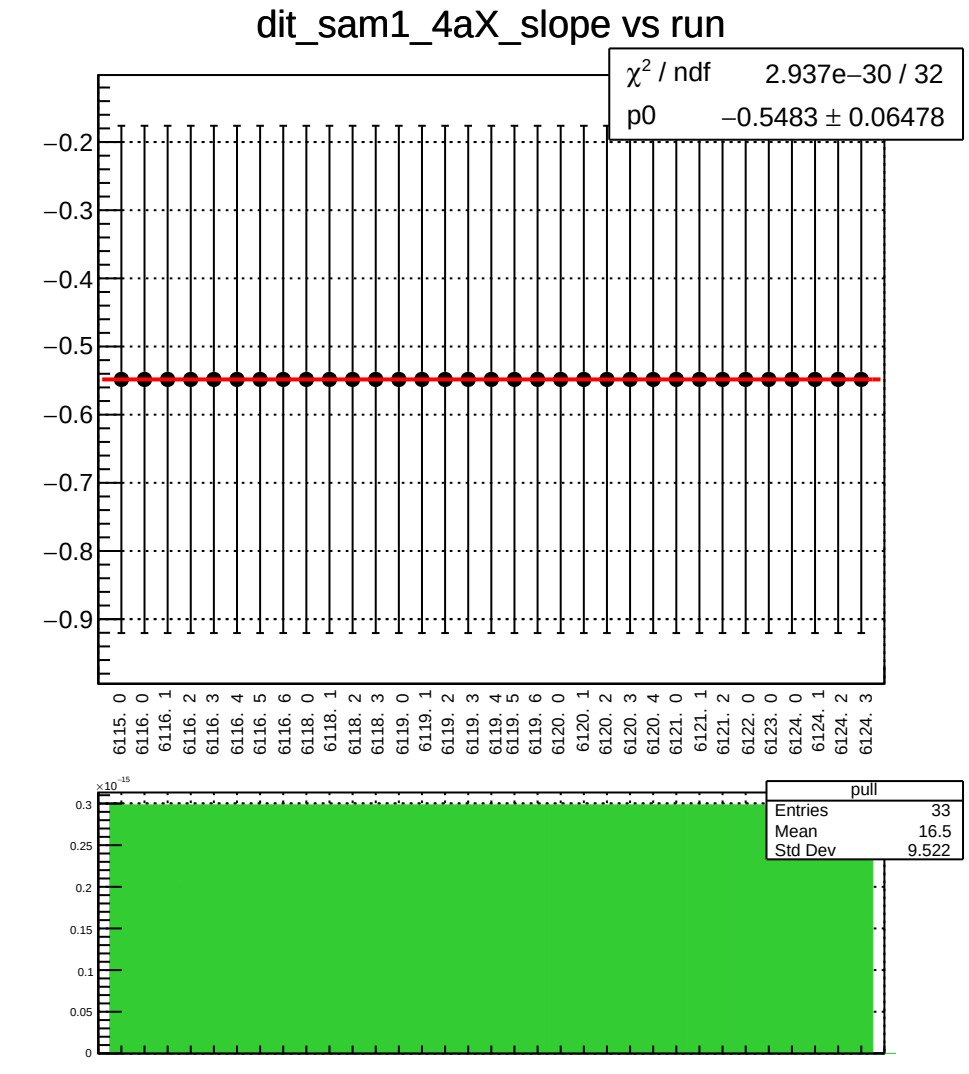

dit_atr2_11X12X_slope vs run
χ² / ndf 2.053e−24 / 32
p0 −267.6 ± 0.1587
−266.5
−267
−267.5
−268
−268.5
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
pull
Entries 33
Mean 16.5
Std Dev 9.522
pull1D
Entries 33
Mean −2.494e−13
Std Dev4.792e−21
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

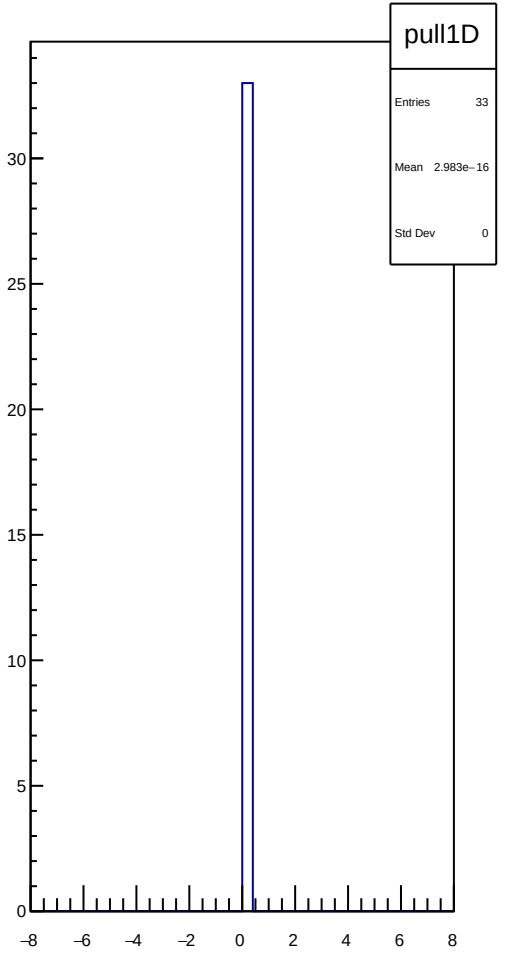

dit_atr2_4aY_slope vs run
χ² / ndf 4.629e−29 / 32
p0 −24.22 ± 1.566
−15
−20
−25
−30
−35
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹⁵
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
pull
Entries 33
Mean 16.5
Std Dev 9.522

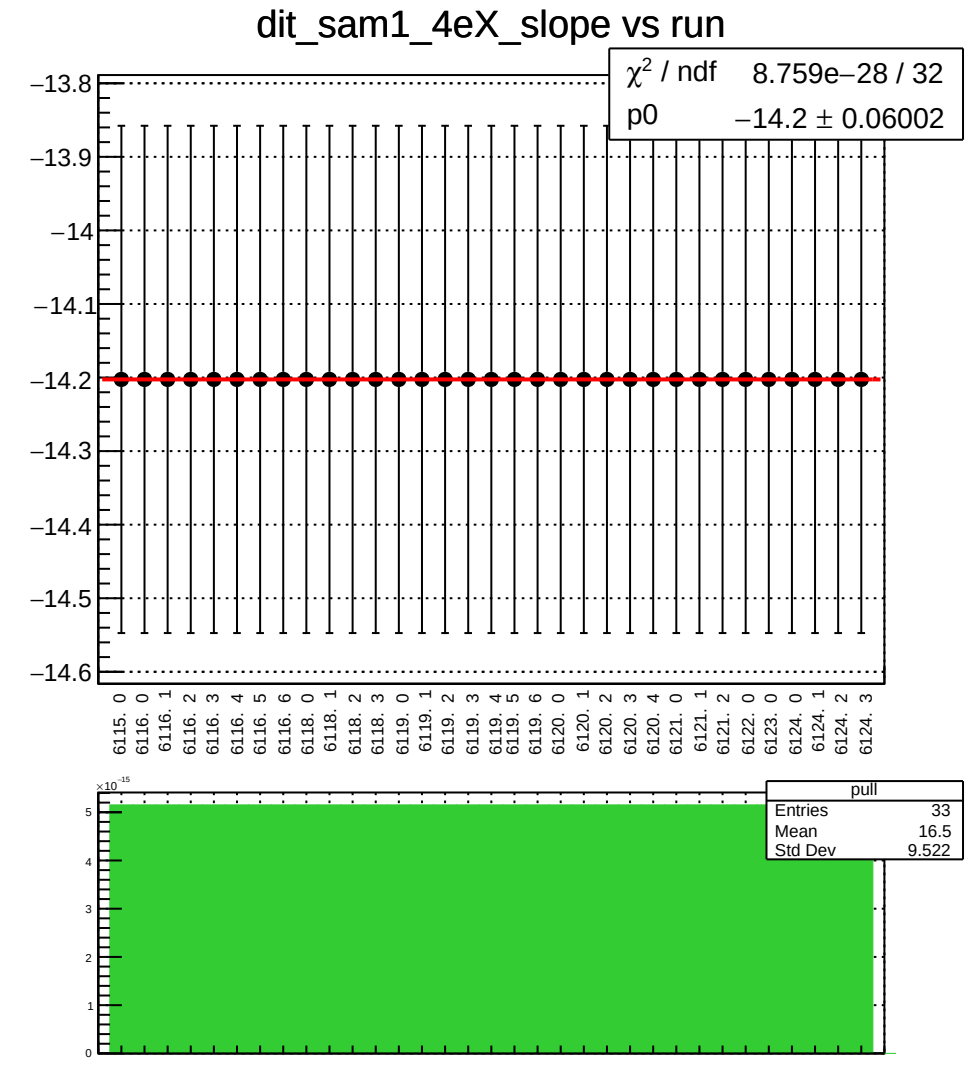

pull1D
Entries 33
Mean −1.184e−15
Std Dev3.743e−23
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

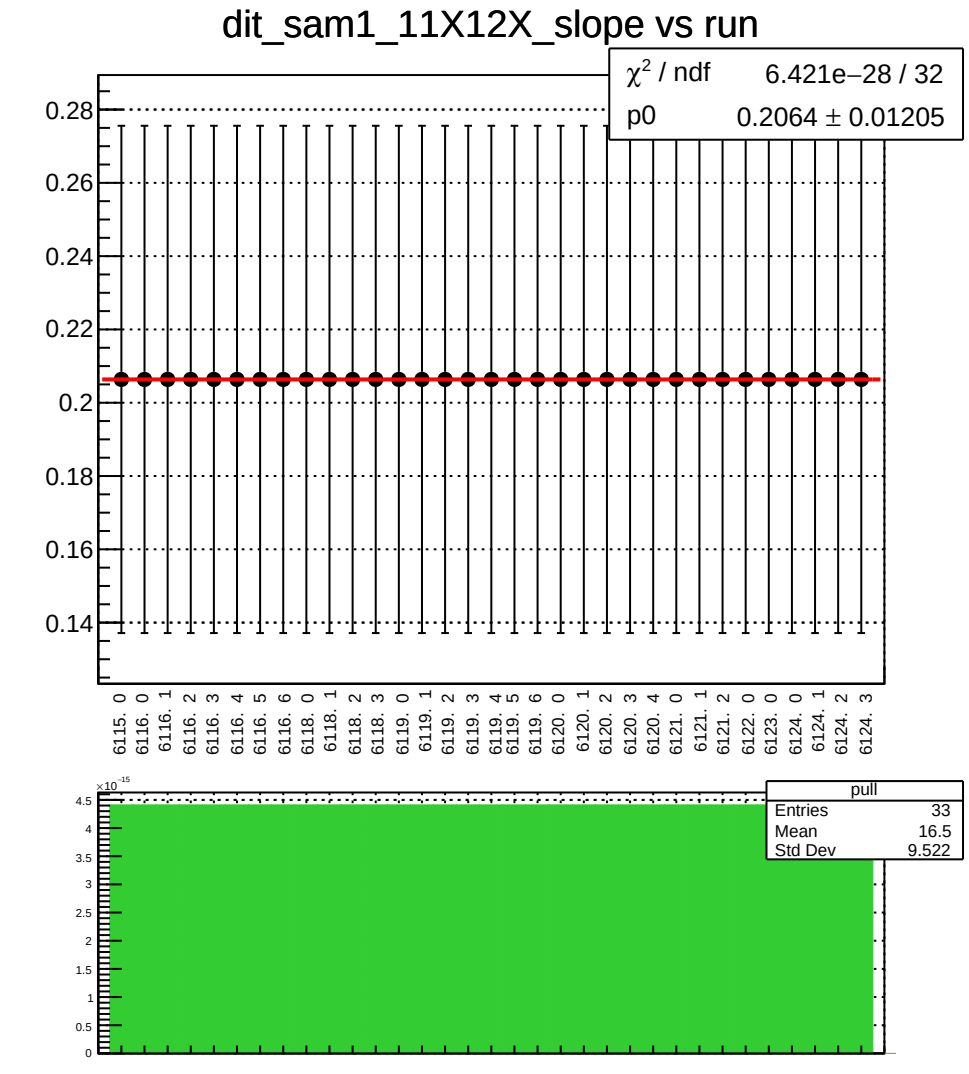

dit_atr2_4eY_slope vs run
χ² / ndf 4.667e−27 / 32
p0 152.2 ± 1.248
160
158
156
154
152
150
148
146
144
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹⁵
12
10
8
6
4
2
0
pull
Entries 33
Mean 16.5
Std Dev 9.522

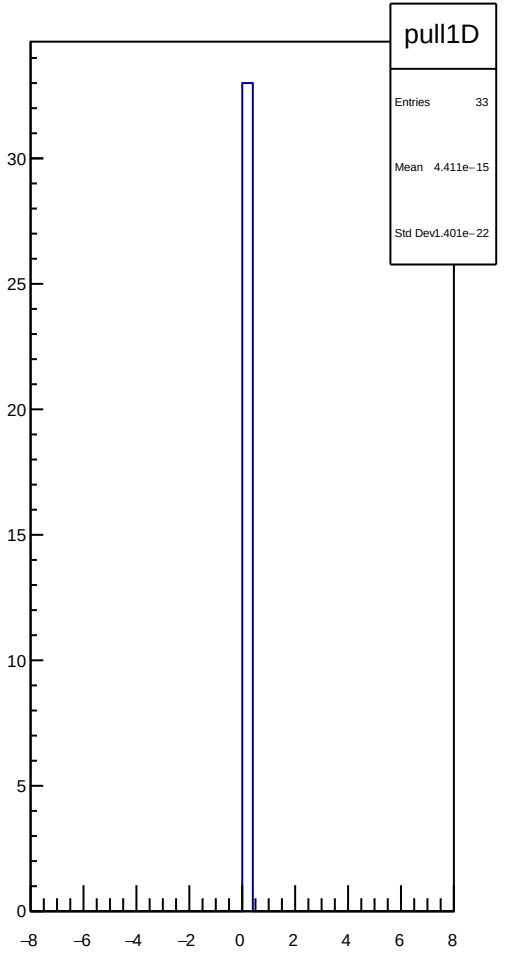

pull1D
Entries 33
Mean 1.189e−14
Std Dev 2.118e−22
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

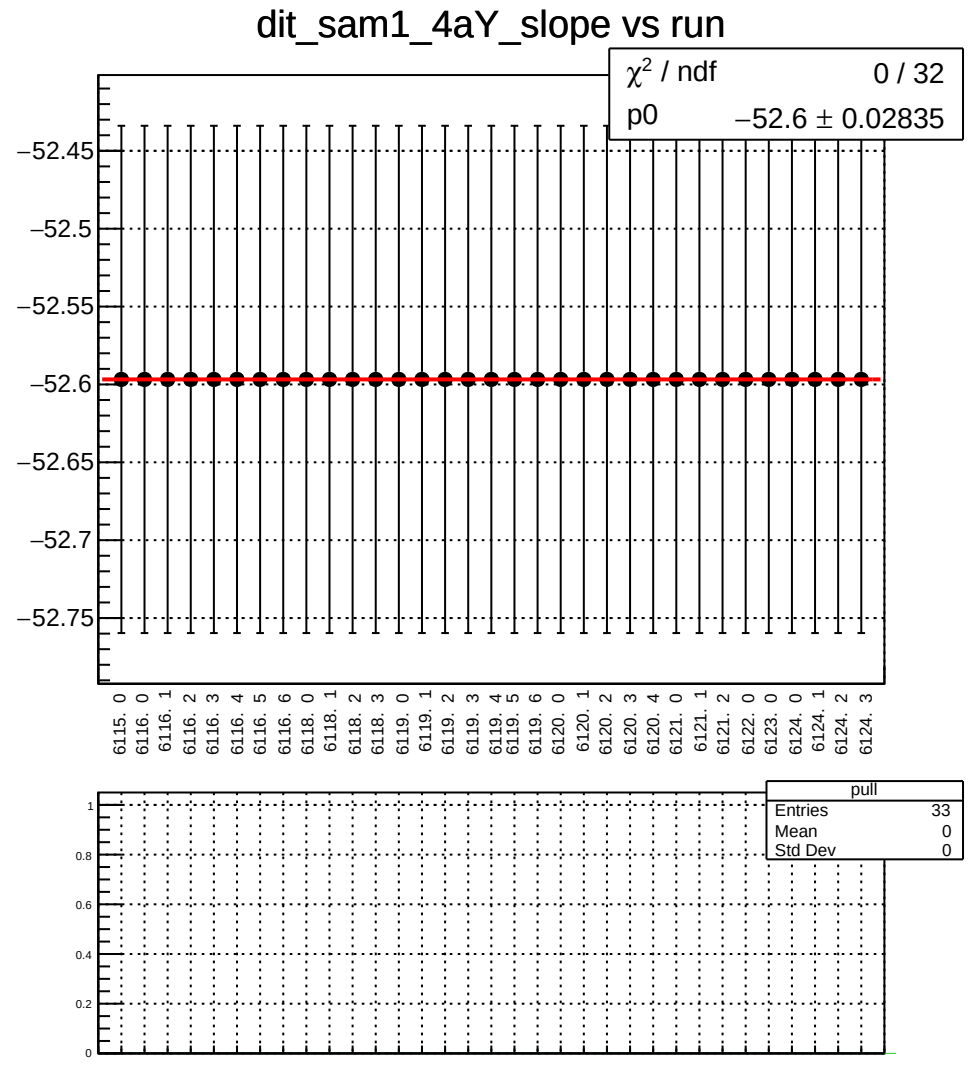

dit_sam1_4aX_slope vs run
χ² / ndf 2.937e−30 / 32
p0 −0.5483 ± 0.06478
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
−0.8
−0.9
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹⁵
0.3
0.25
0.2
0.15
0.1
0.05
0
pull
Entries 33
Mean 16.5
Std Dev 9.522

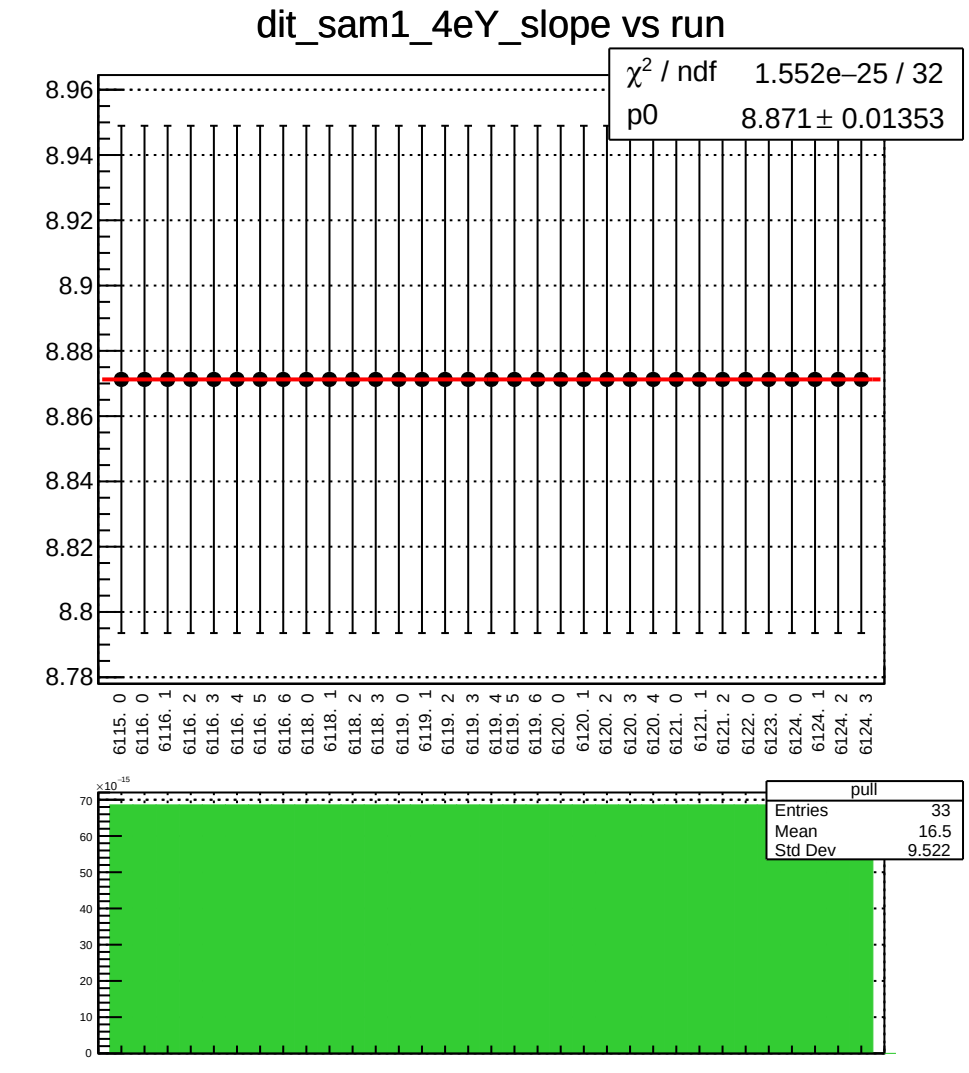

pull1D
Entries 33
Mean 2.983e−16
Std Dev 0
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

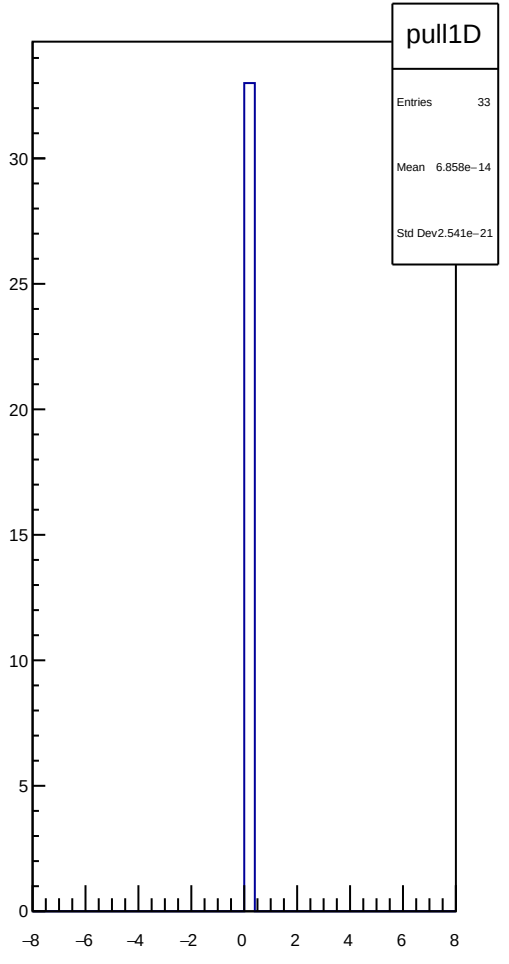

dit_sam1_4eX_slope vs run
χ² / ndf 8.759e−28 / 32
p0 −14.2 ± 0.06002
−13.8
−13.9
−14
−14.1
−14.2
−14.3
−14.4
−14.5
−14.6
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 16.5
Std Dev 9.522
×10⁻¹⁵
pull1D
Entries 33
Mean 5.152e−15
Std Dev1.059e−22

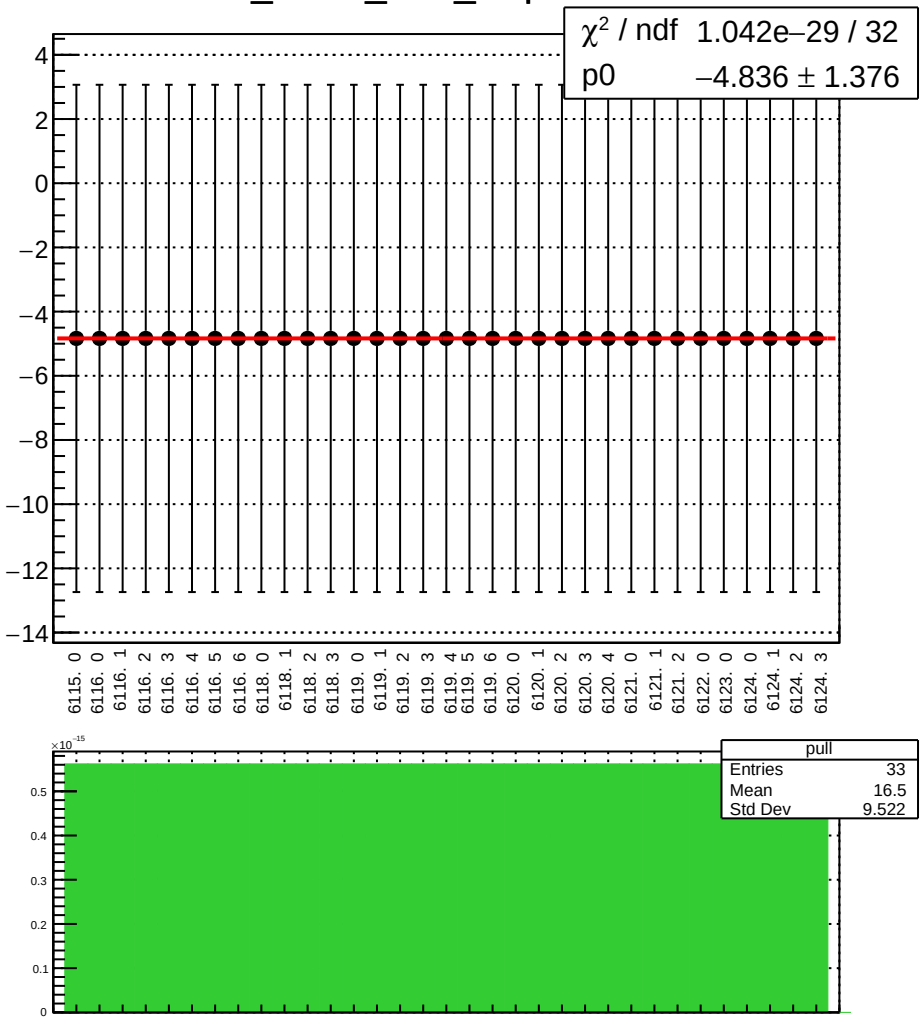

dit_sam1_11X12X_slope vs run
χ² / ndf 6.421e−28 / 32
p0 0.2064 ± 0.01205
0.28
0.26
0.24
0.22
0.2
0.18
0.16
0.14
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹⁵
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
pull
Entries 33
Mean 16.5
Std Dev 9.522

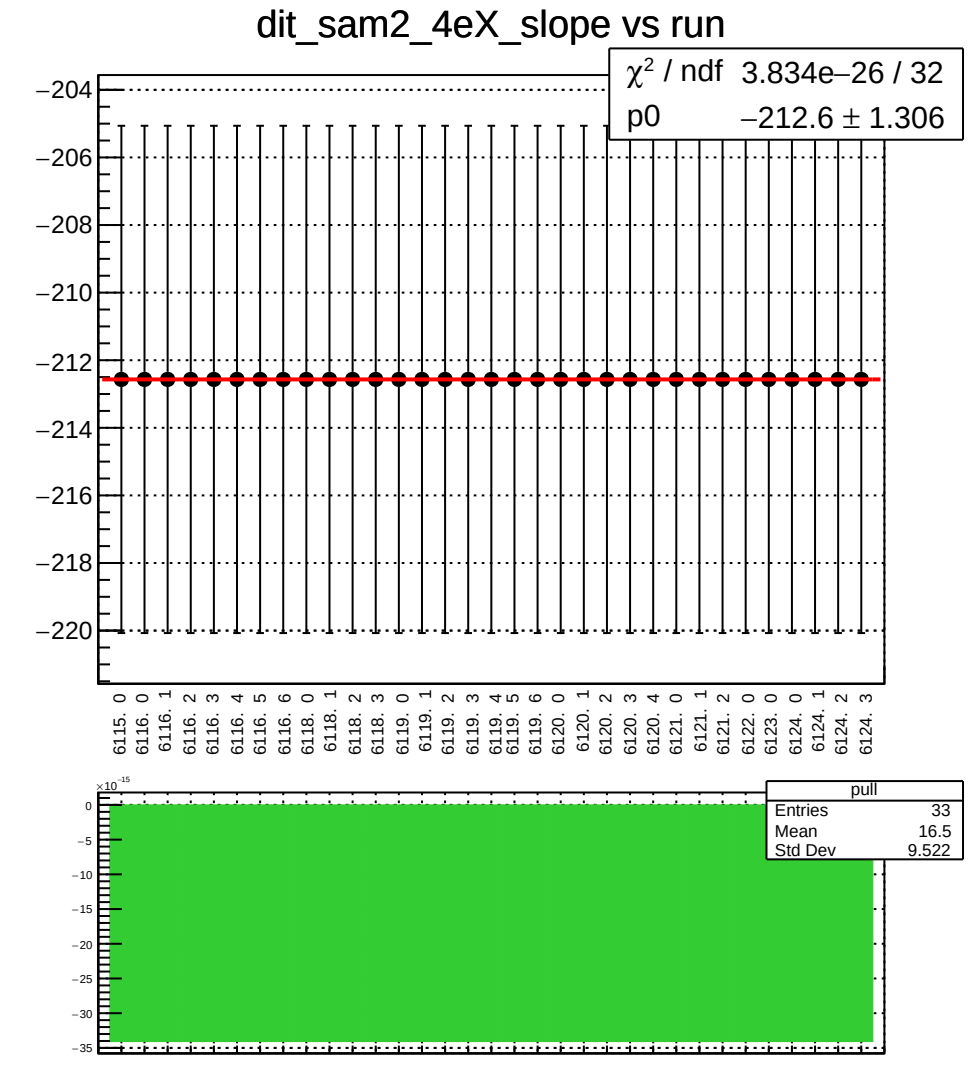

pull1D
Entries 33
Mean 4.411e−15
Std Dev1.401e−22
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

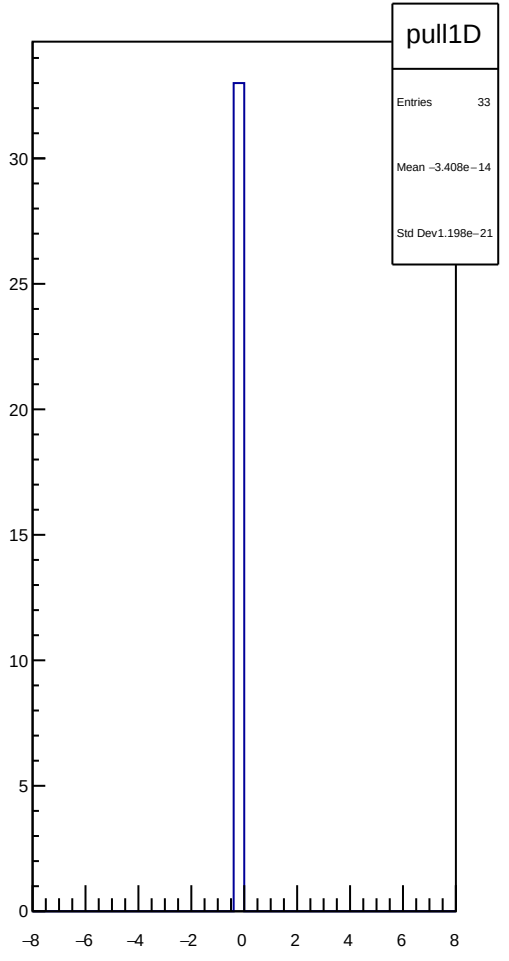

dit_sam1_4aY_slope vs run
χ² / ndf 0 / 32
p0 −52.6 ± 0.02835
−52.45
−52.5
−52.55
−52.6
−52.65
−52.7
−52.75
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 33
Mean 0
Std Dev 0
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

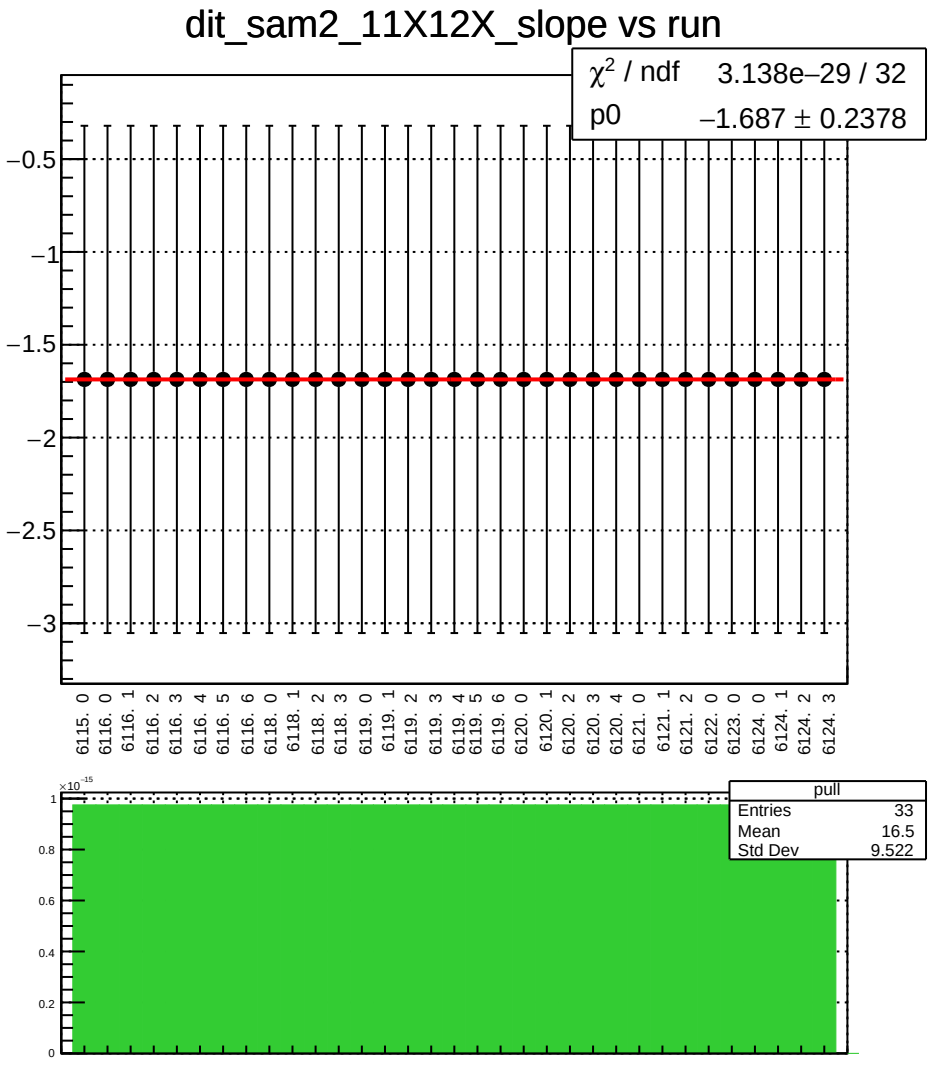

dit_sam1_4eY_slope vs run
χ² / ndf 1.552e−25 / 32
p0 8.871 ± 0.01353
8.96
8.94
8.92
8.9
8.88
8.86
8.84
8.82
8.8
8.78
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹⁵
70
60
50
40
30
20
10
0
pull
Entries 33
Mean 16.5
Std Dev 9.522

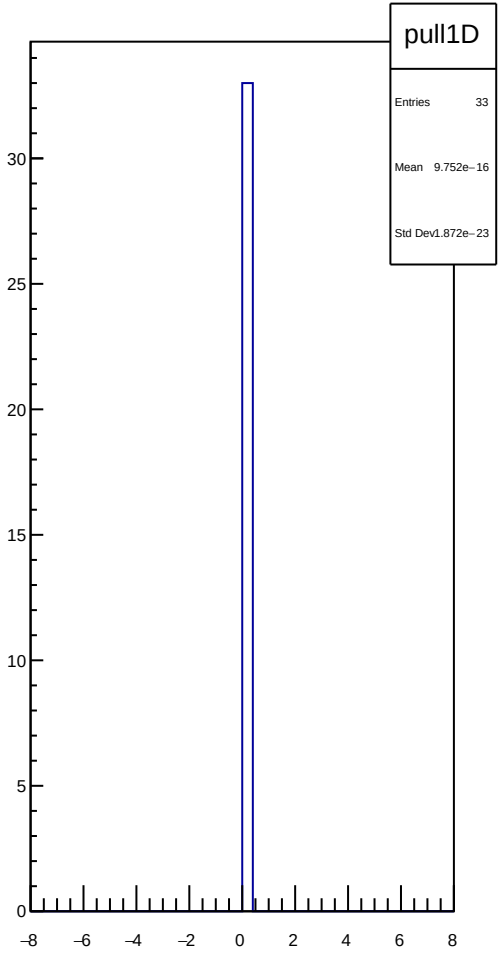

pull1D
Entries 33
Mean 6.858e−14
Std Dev2.541e−21
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

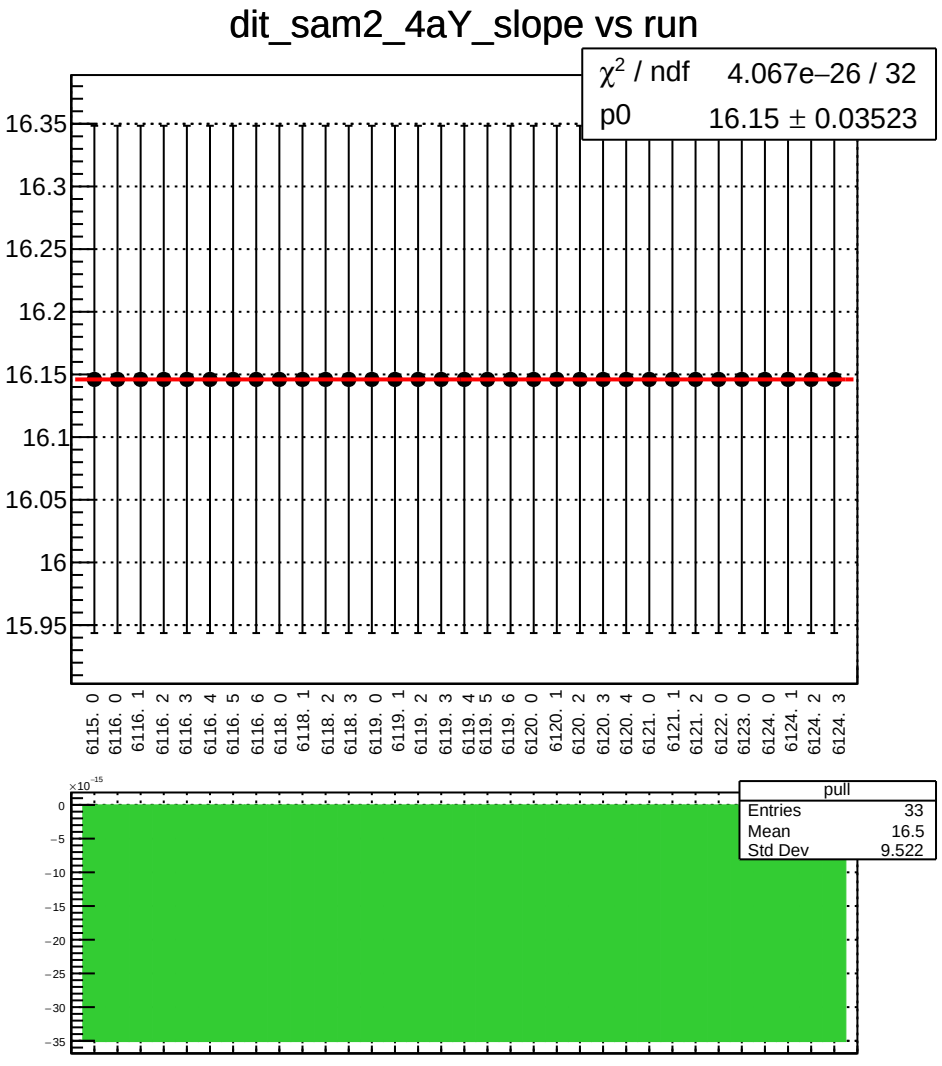

dit_sam2_4aX_slope vs run
χ² / ndf 1.042e−29 / 32
p0 −4.836 ± 1.376
4
2
0
−2
−4
−6
−8
−10
−12
−14
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹⁵
0.5
0.4
0.3
0.2
0.1
0
pull
Entries 33
Mean 16.5
Std Dev 9.522
pull1D
Entries 33
Mean 5.619e−16
Std Dev1.146e−23
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

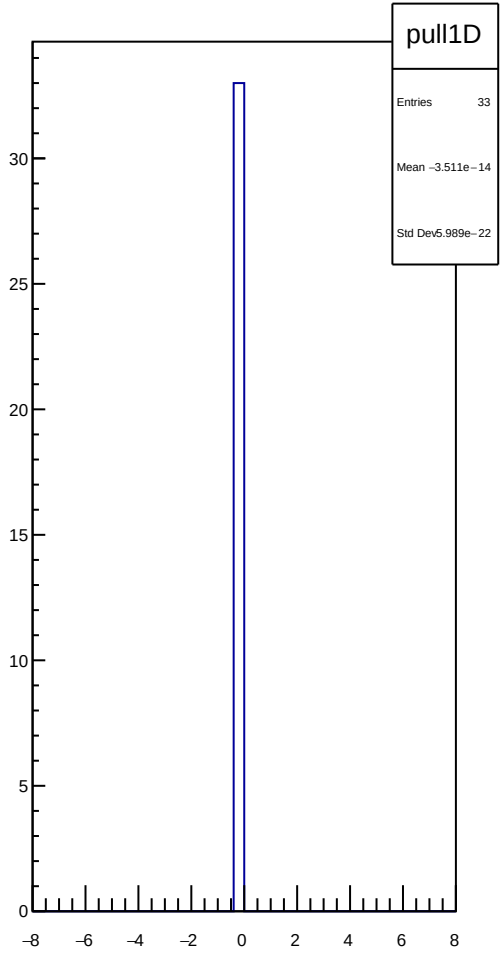

dit_sam2_4eX_slope vs run
χ² / ndf 3.834e−26 / 32
p0 −212.6 ± 1.306
−204
−206
−208
−210
−212
−214
−216
−218
−220
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
pull
Entries 33
Mean 16.5
Std Dev 9.522

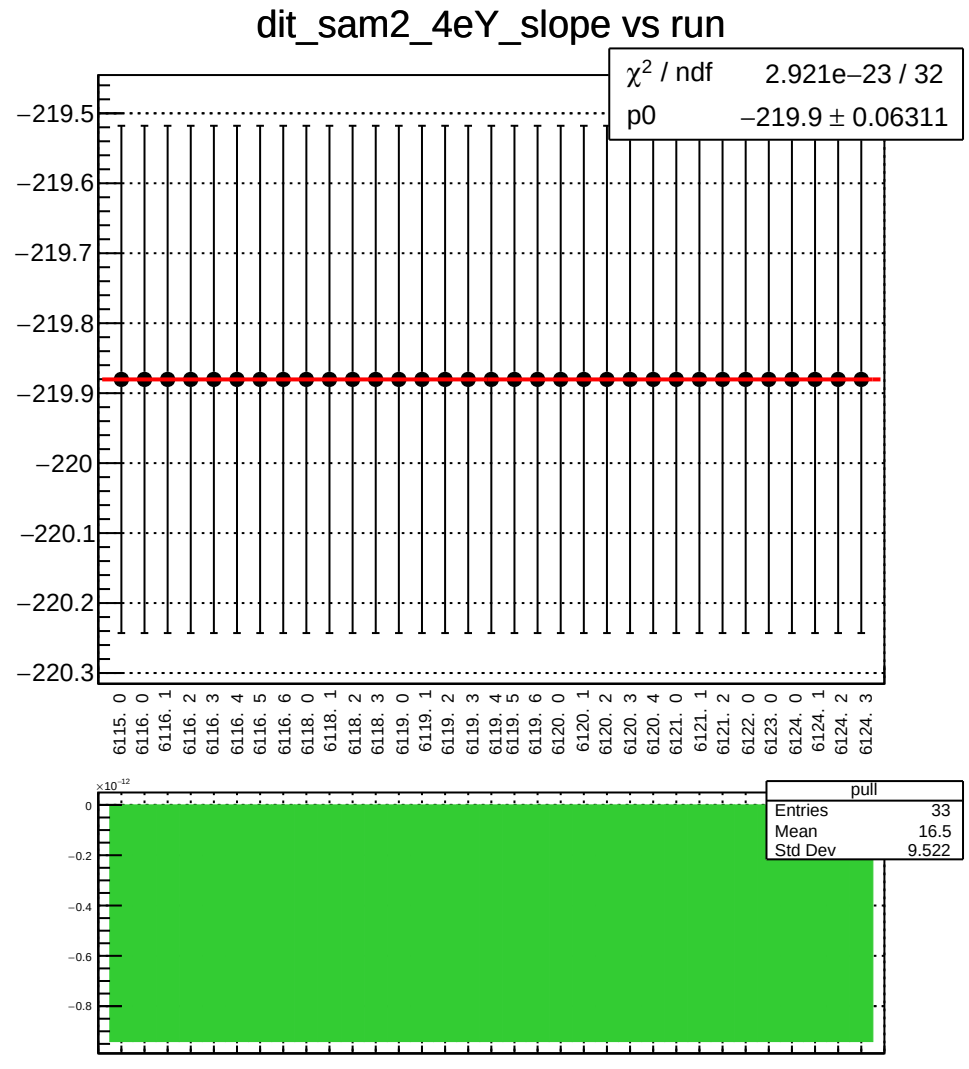

pull1D
Entries 33
Mean −3.408e−14
Std Dev1.198e−21
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

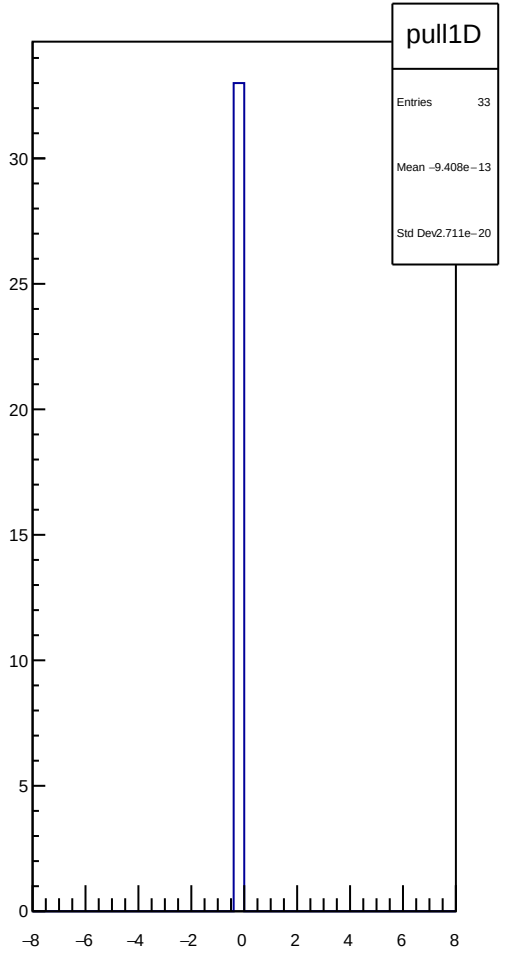

dit_sam2_11X12X_slope vs run
χ² / ndf 3.138e−29 / 32
p0 −1.687 ± 0.2378
−0.5
−1
−1.5
−2
−2.5
−3
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹⁵
1
0.8
0.6
0.4
0.2
0
pull
Entries 33
Mean 16.5
Std Dev 9.522

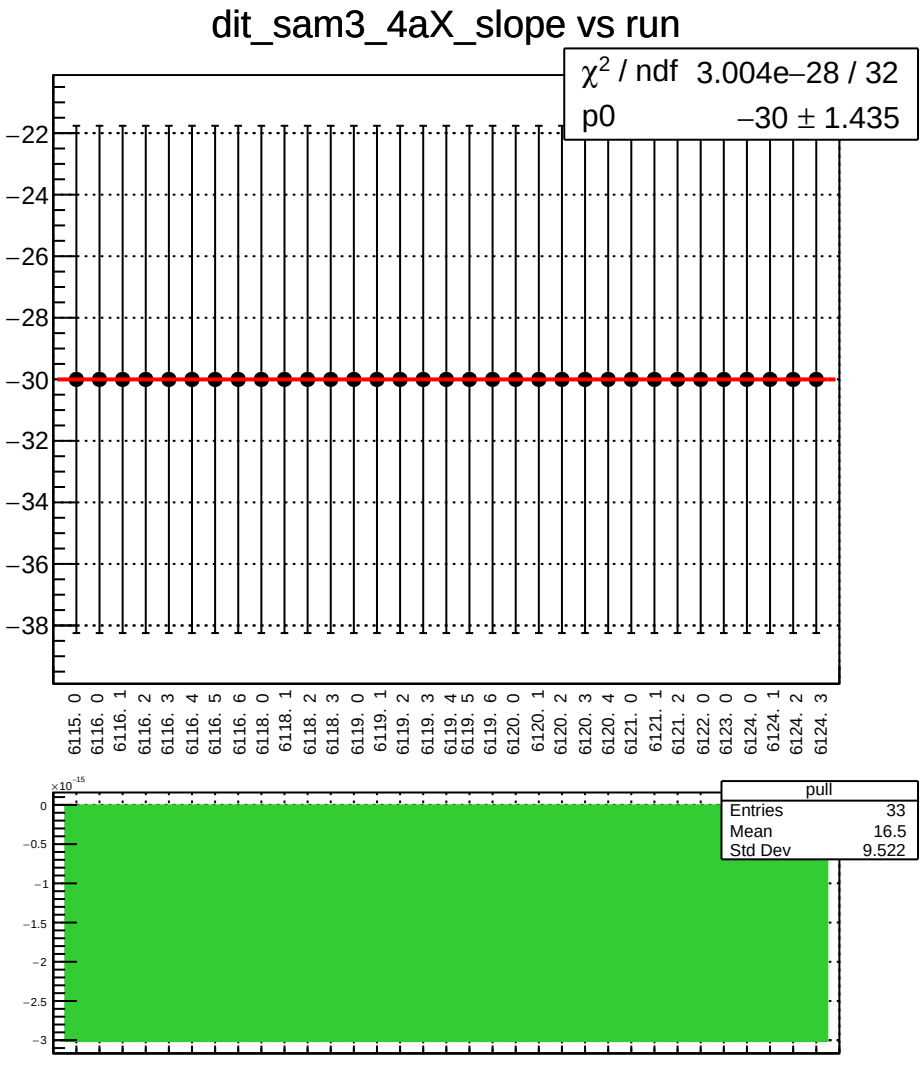

pull1D
Entries 33
Mean 9.752e−16
Std Dev1.872e−23
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

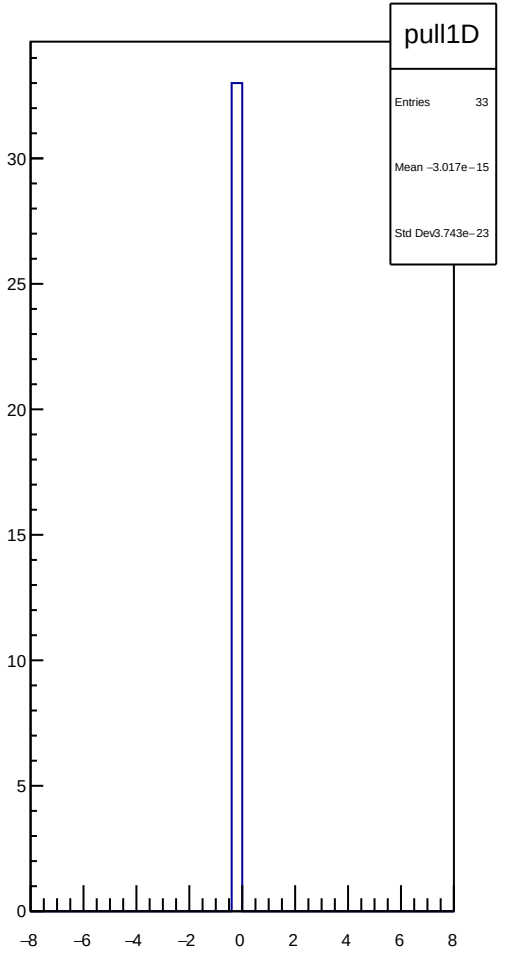

dit_sam2_4aY_slope vs run
χ² / ndf 4.067e−26 / 32
p0 16.15 ± 0.03523
16.35
16.3
16.25
16.2
16.15
16.1
16.05
16
15.95
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
pull
Entries 33
Mean 16.5
Std Dev 9.522

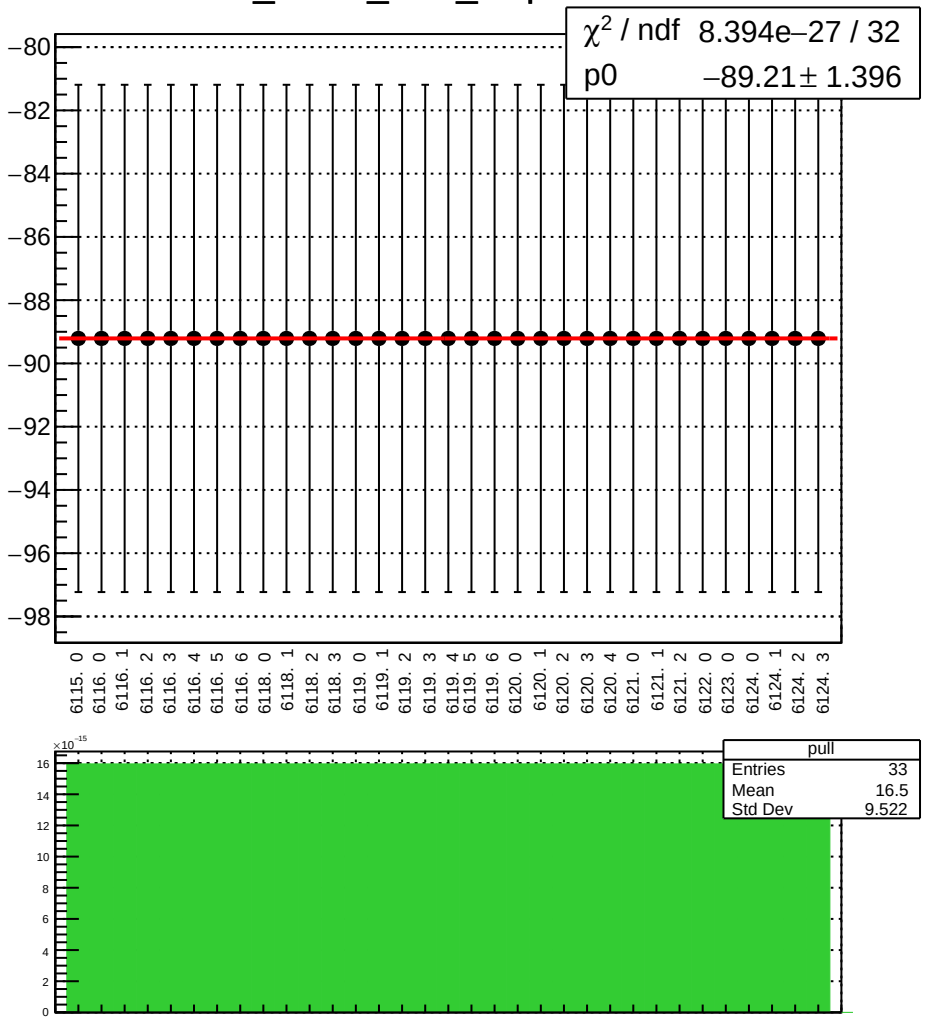

pull1D
Entries 33
Mean −3.511e−14
Std Dev 5.989e−22
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

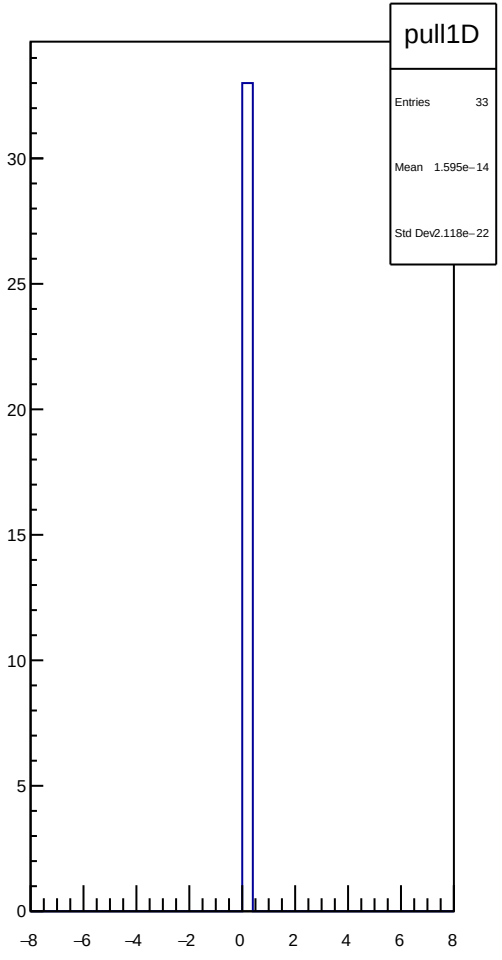

dit_sam2_4eY_slope vs run
χ² / ndf 2.921e−23 / 32
p0 −219.9 ± 0.06311
−219.5
−219.6
−219.7
−219.8
−219.9
−220
−220.1
−220.2
−220.3
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹²
0
−0.2
−0.4
−0.6
−0.8
pull
Entries 33
Mean 16.5
Std Dev 9.522

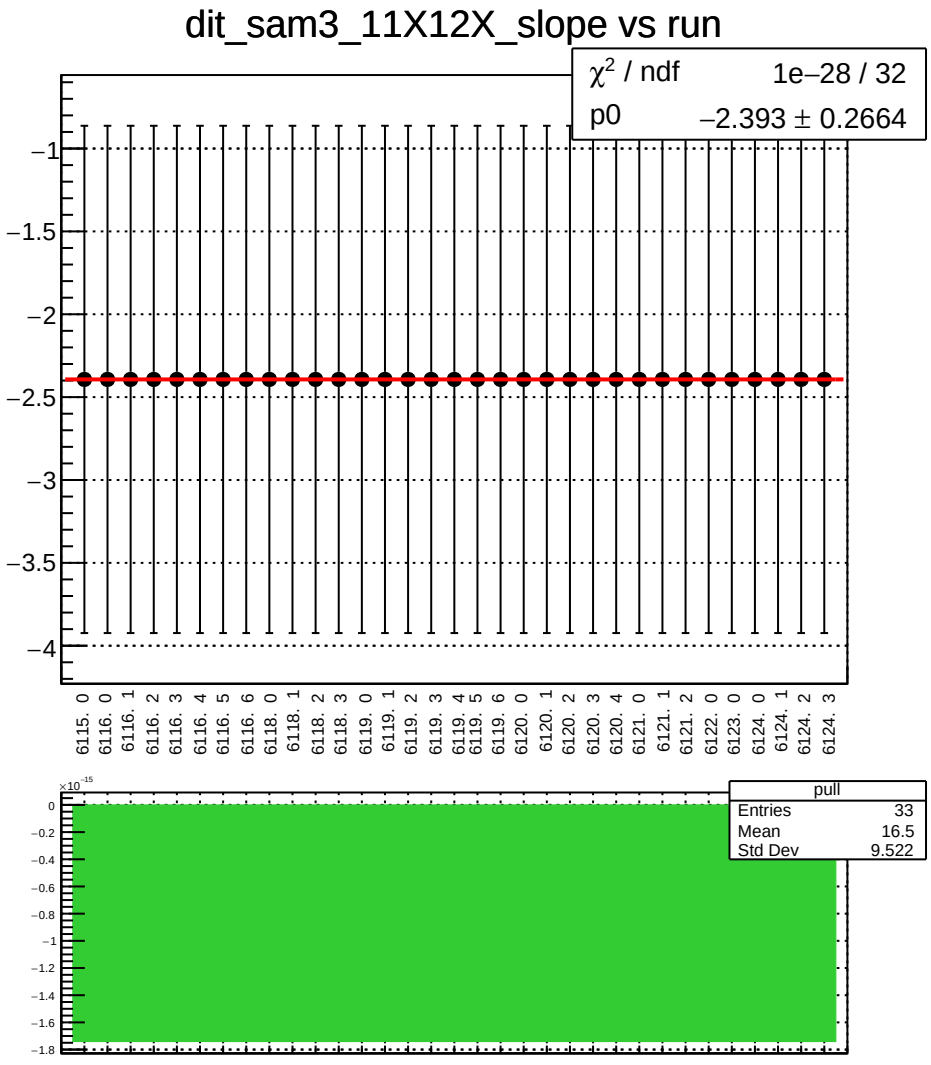

pull1D
Entries 33
Mean −9.408e−13
Std Dev2.711e−20
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

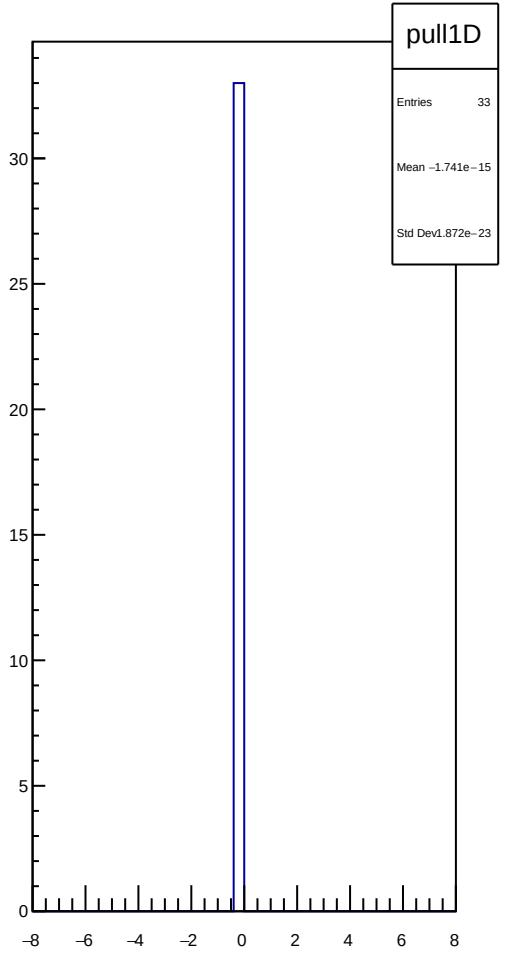

dit_sam3_4aX_slope vs run
χ² / ndf 3.004e−28 / 32
p0 −30 ± 1.435
−22
−24
−26
−28
−30
−32
−34
−36
−38
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
pull
Entries 33
Mean 16.5
Std Dev 9.522

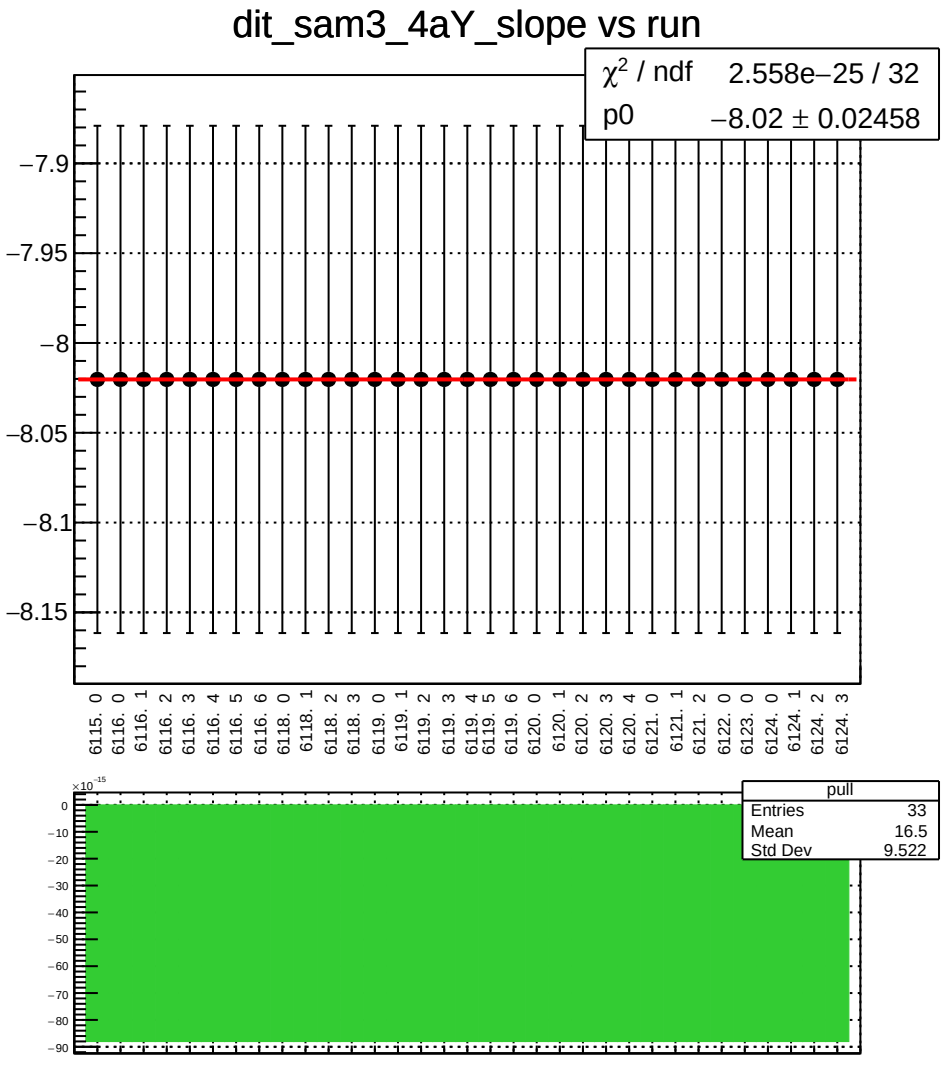

pull1D
Entries 33
Mean −3.017e−15
Std Dev 3.743e−23
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

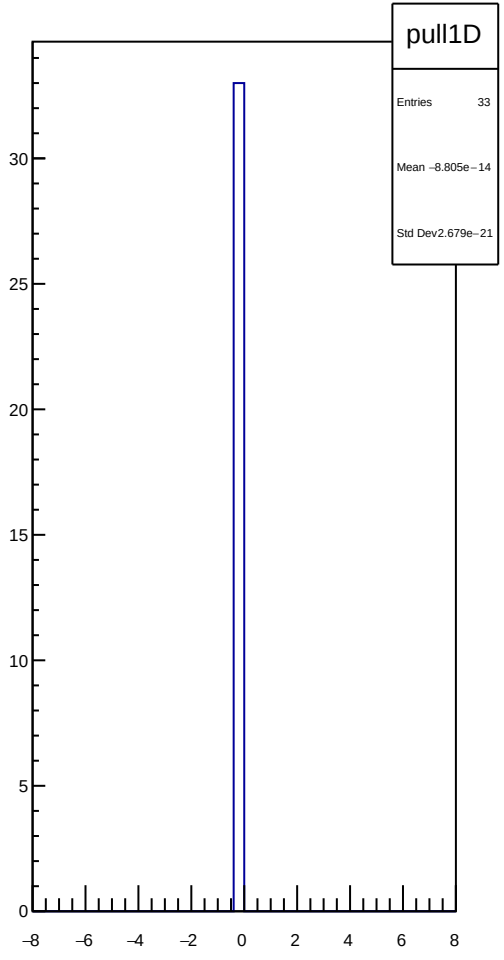

dit_sam3_4eX_slope vs run
χ² / ndf 8.394e−27 / 32
p0 −89.21± 1.396
−80
−82
−84
−86
−88
−90
−92
−94
−96
−98
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹⁵
16
14
12
10
8
6
4
2
0
pull
Entries 33
Mean 16.5
Std Dev 9.522

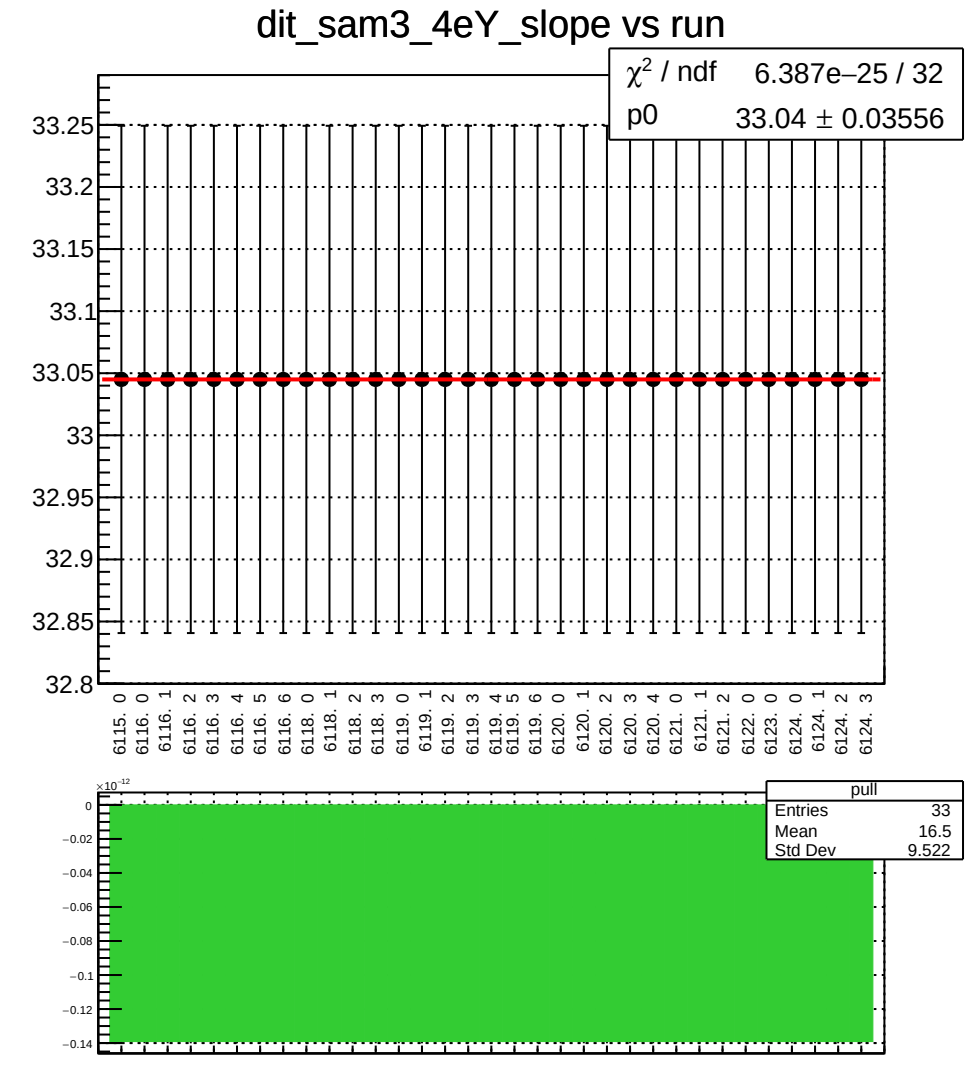

pull1D
Entries 33
Mean 1.595e−14
Std Dev2.118e−22
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

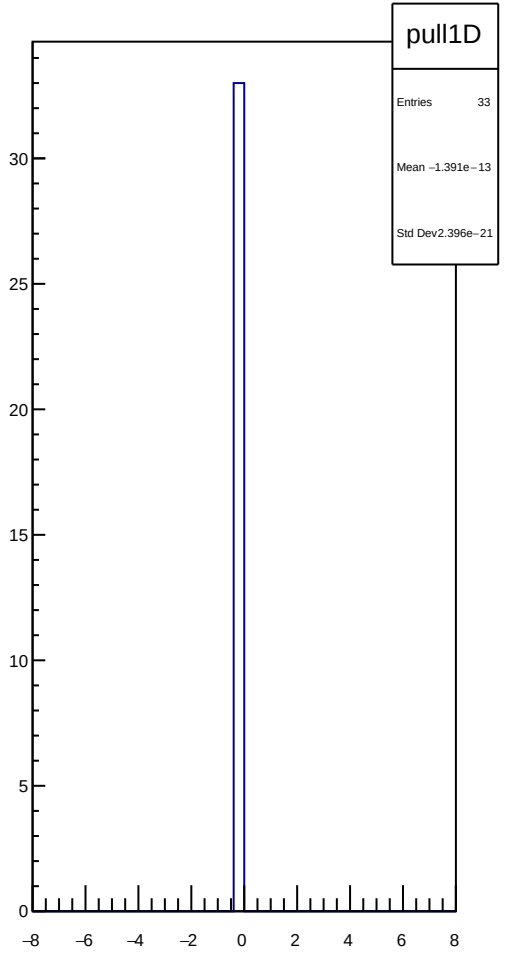

dit_sam3_11X12X_slope vs run
χ² / ndf 1e−28 / 32
p0 −2.393 ± 0.2664
−1
−1.5
−2
−2.5
−3
−3.5
−4
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹⁵
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6
−1.8
pull
Entries 33
Mean 16.5
Std Dev 9.522

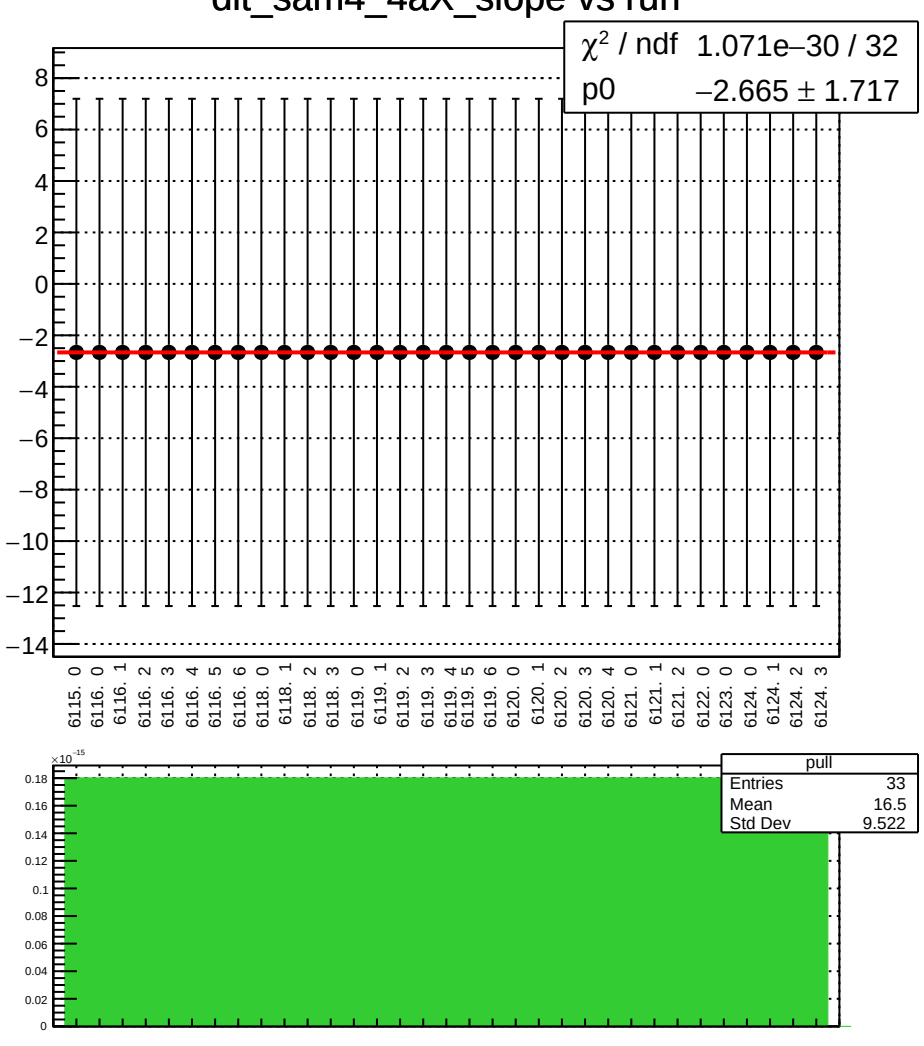

pull1D
Entries 33
Mean −1.741e−15
Std Dev1.872e−23
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

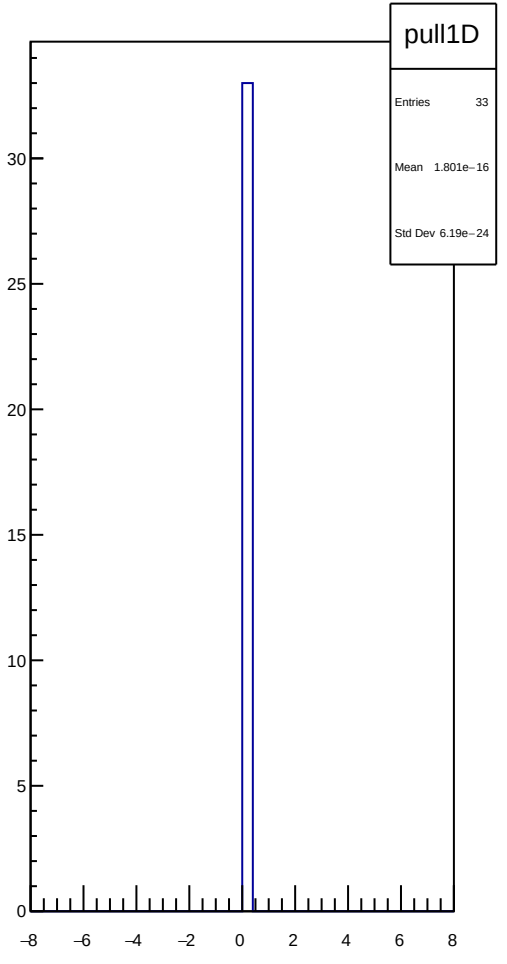

dit_sam3_4aY_slope vs run
χ² / ndf 2.558e−25 / 32
p0 −8.02 ± 0.02458
−7.9
−7.95
−8
−8.05
−8.1
−8.15
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80
−90
pull
Entries 33
Mean 16.5
Std Dev 9.522

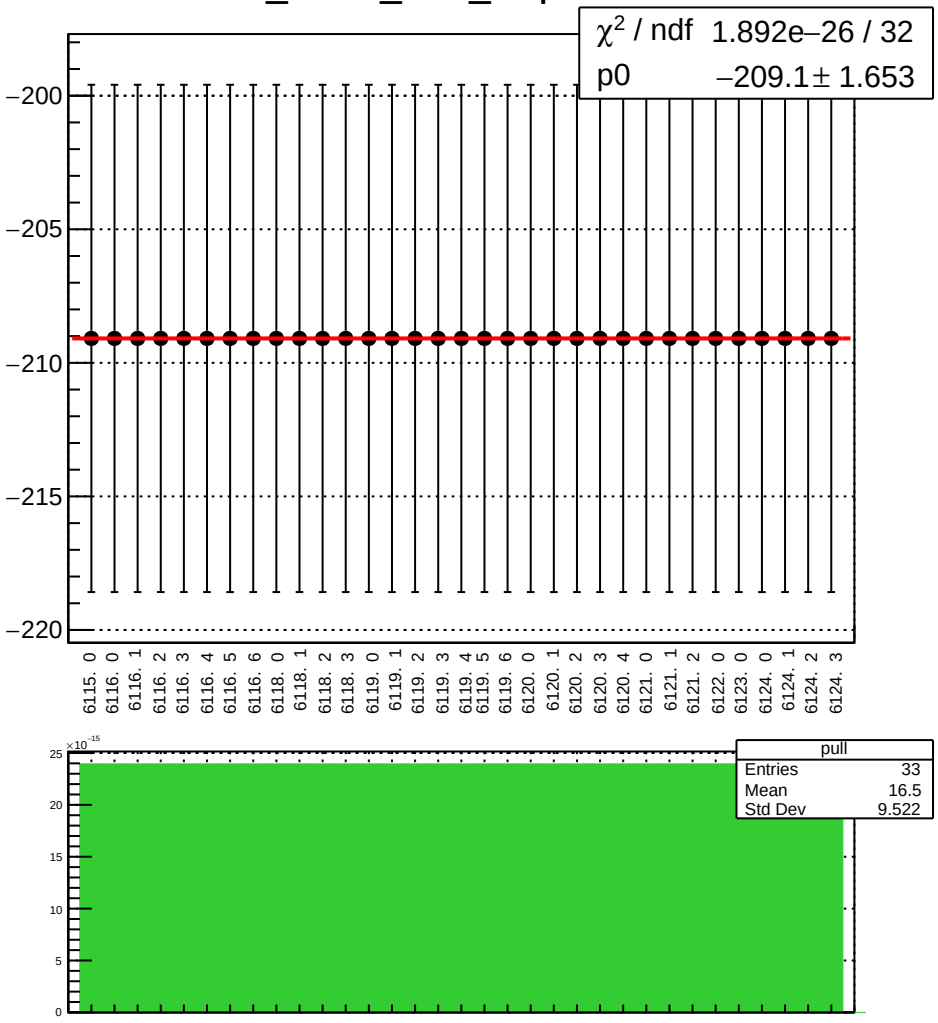

pull1D
Entries 33
Mean −8.805e−14
Std Dev2.679e−21
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

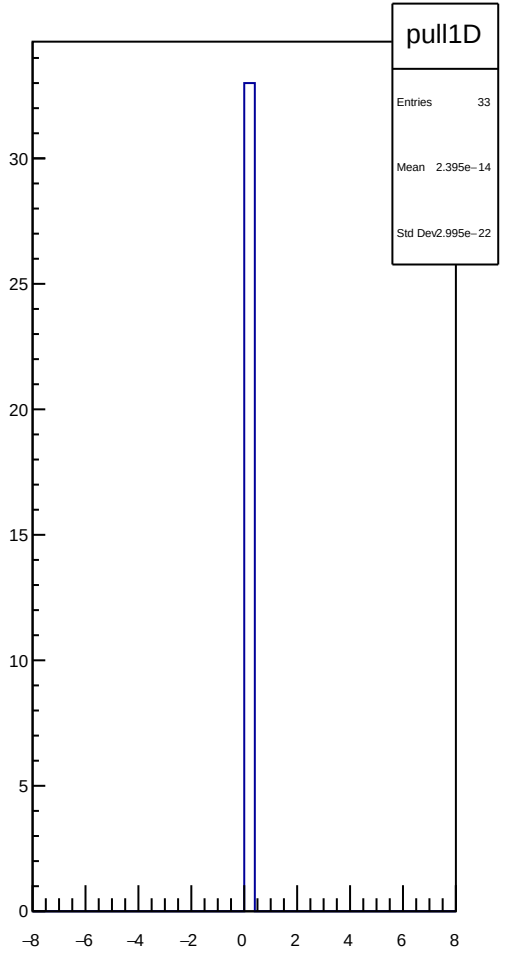

dit_sam3_4eY_slope vs run
χ² / ndf 6.387e−25 / 32
p0 33.04 ± 0.03556
33.25
33.2
33.15
33.1
33.05
33
32.95
32.9
32.85
32.8
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
pull
Entries 33
Mean 16.5
Std Dev 9.522

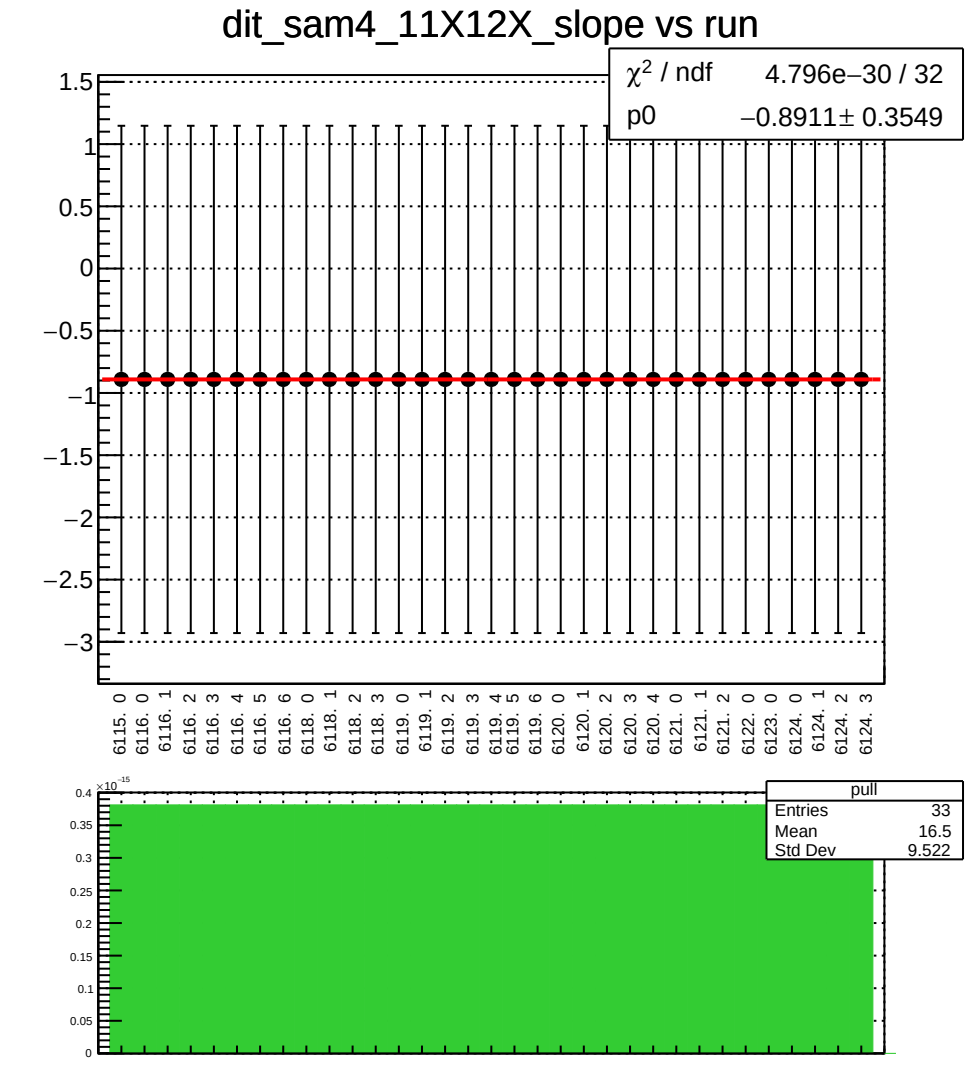

pull1D
Entries 33
Mean −1.391e−13
Std Dev2.396e−21
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

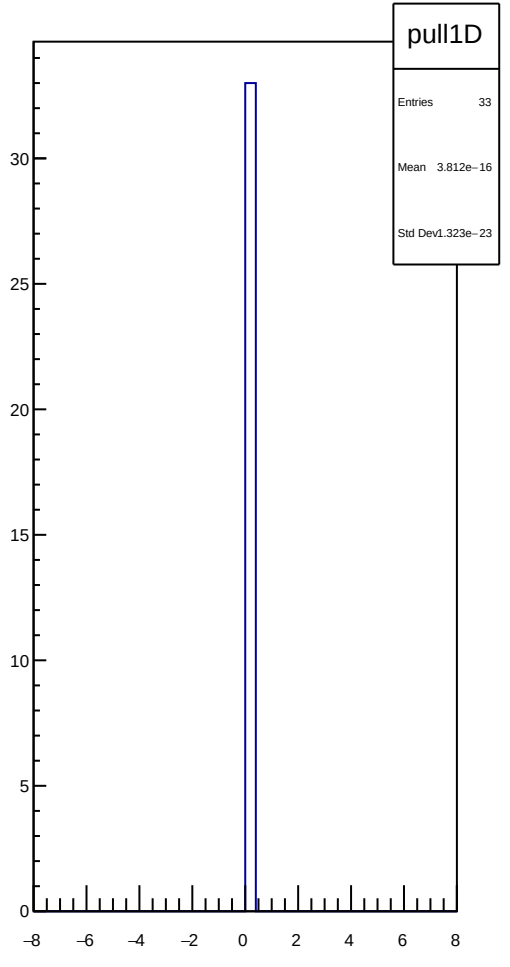

dit_sam4_4aX_slope vs run
χ² / ndf 1.071e−30 / 32
p0 −2.665 ± 1.717
8
6
4
2
0
−2
−4
−6
−8
−10
−12
−14
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹⁵
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 33
Mean 16.5
Std Dev 9.522

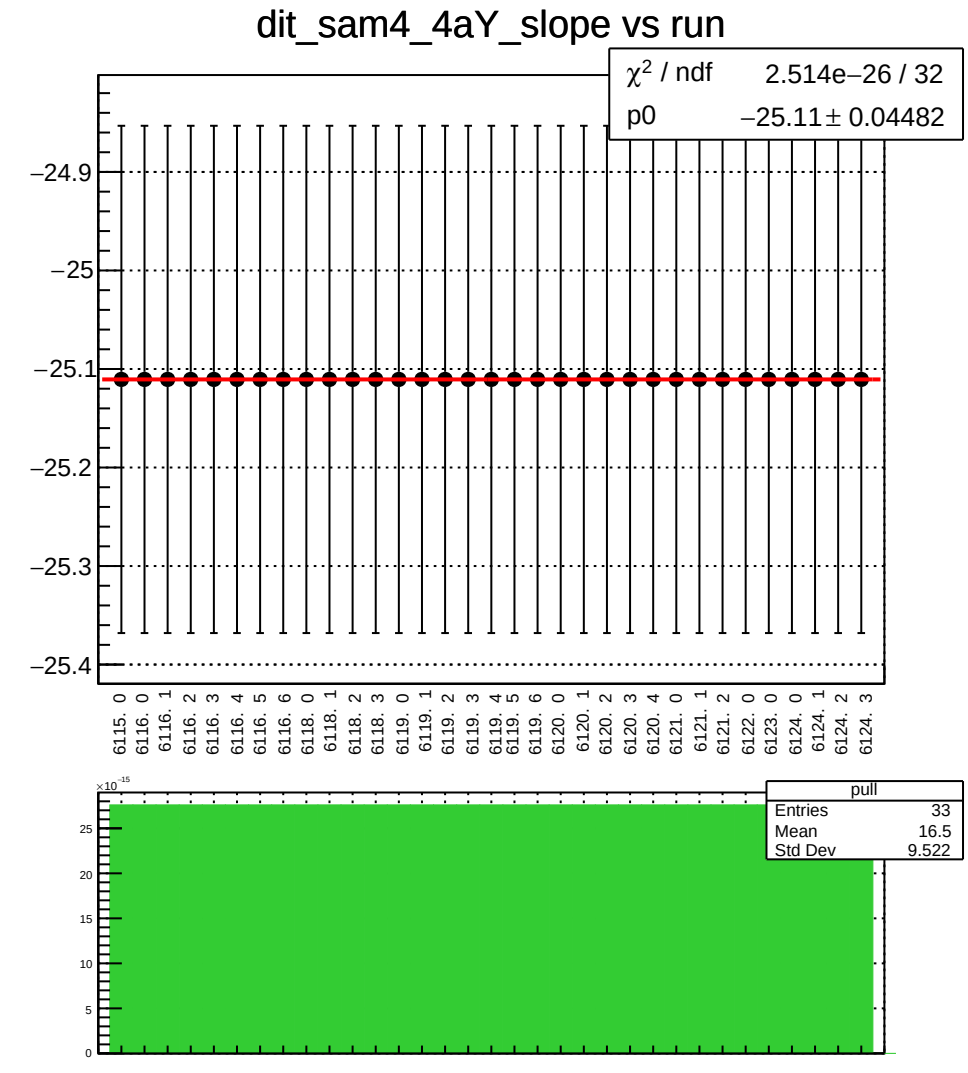

pull1D
Entries 33
Mean 1.801e−16
Std Dev 6.19e−24
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

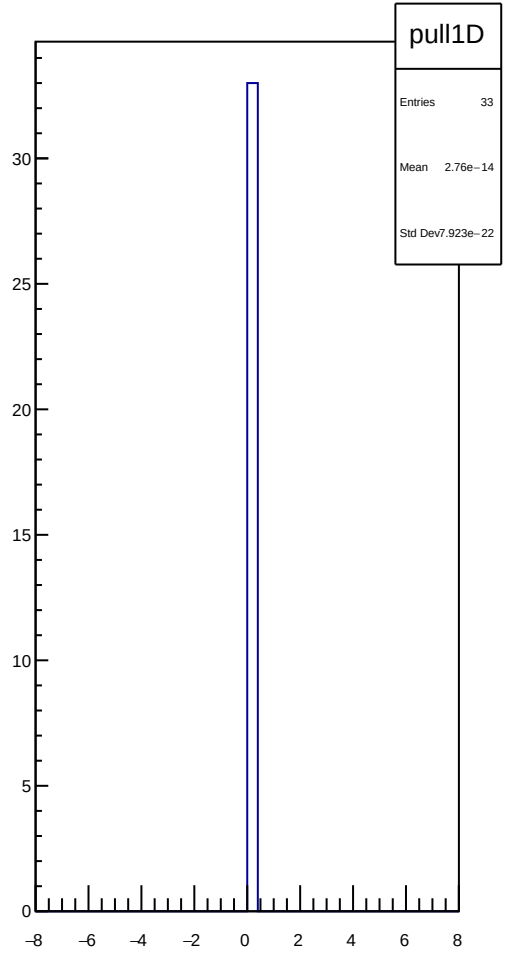

dit_sam4_4eX_slope vs run
χ² / ndf 1.892e−26 / 32
p0 −209.1± 1.653
−200
−205
−210
−215
−220
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹⁵
25
20
15
10
5
0
pull
Entries 33
Mean 16.5
Std Dev 9.522

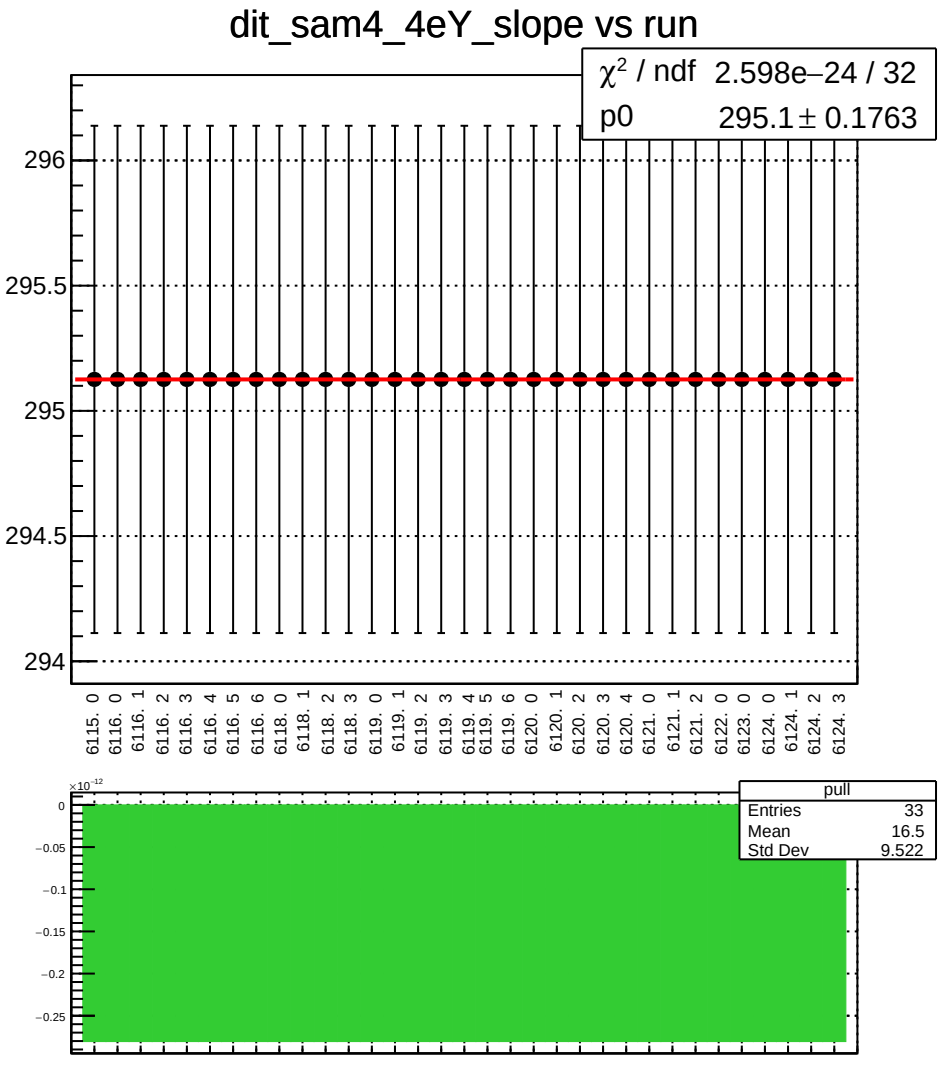

pull1D
Entries 33
Mean 2.395e−14
Std Dev 2.995e−22
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

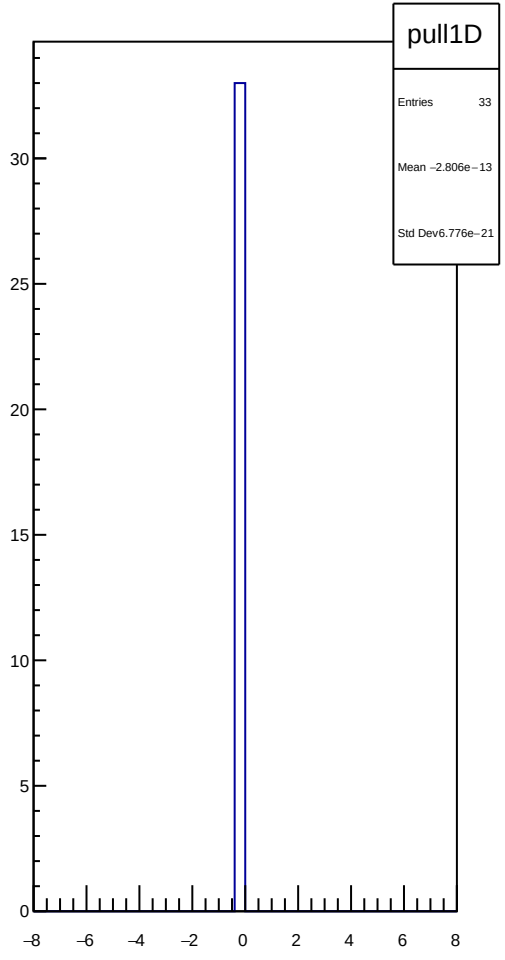

dit_sam4_11X12X_slope vs run
χ² / ndf 4.796e−30 / 32
p0 −0.8911± 0.3549
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹⁵
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
pull
Entries 33
Mean 16.5
Std Dev 9.522

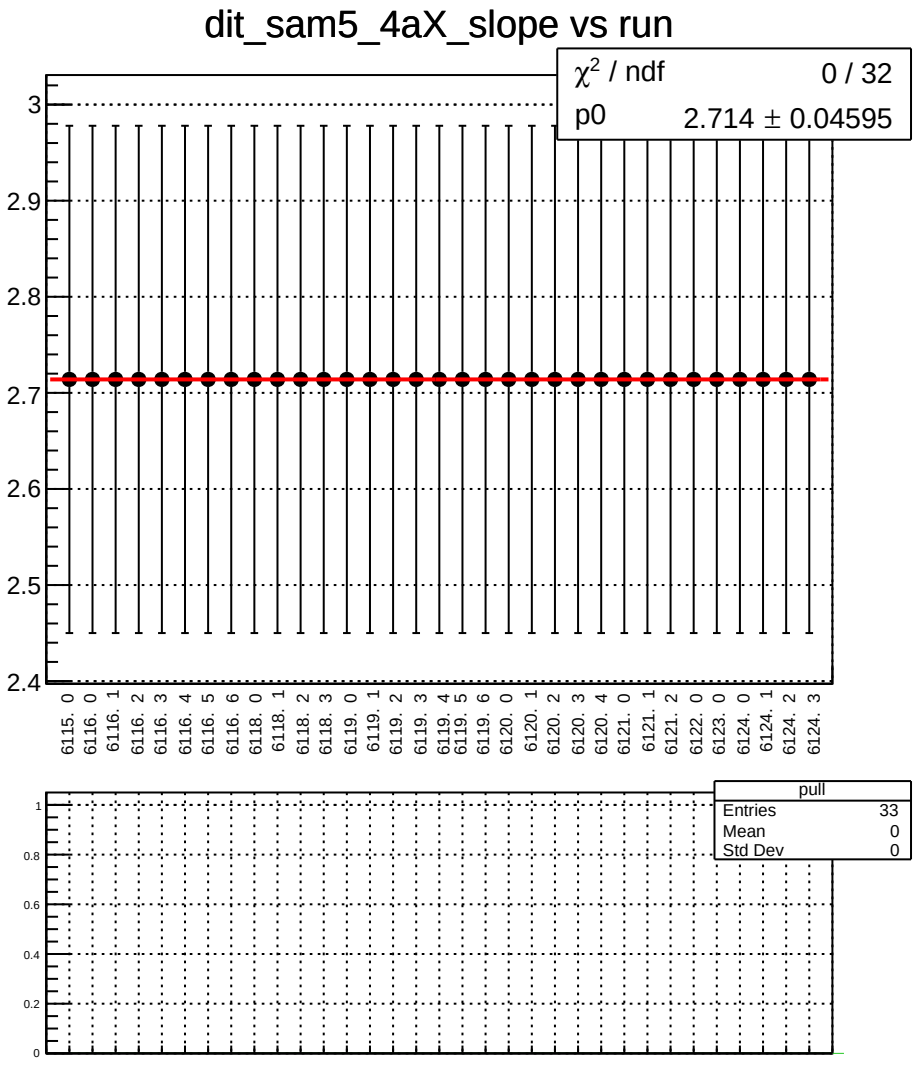

pull1D
Entries 33
Mean 3.812e−16
Std Dev1.323e−23
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

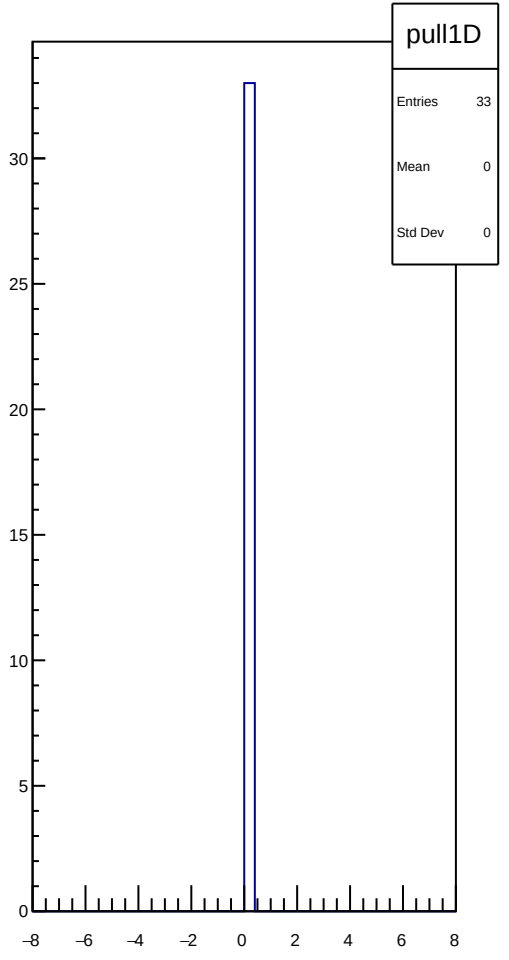

dit_sam4_4aY_slope vs run
χ² / ndf 2.514e−26 / 32
p0 −25.11 ± 0.04482
−24.9
−25
−25.1
−25.2
−25.3
−25.4
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹⁵
25
20
15
10
5
0
pull
Entries 33
Mean 16.5
Std Dev 9.522

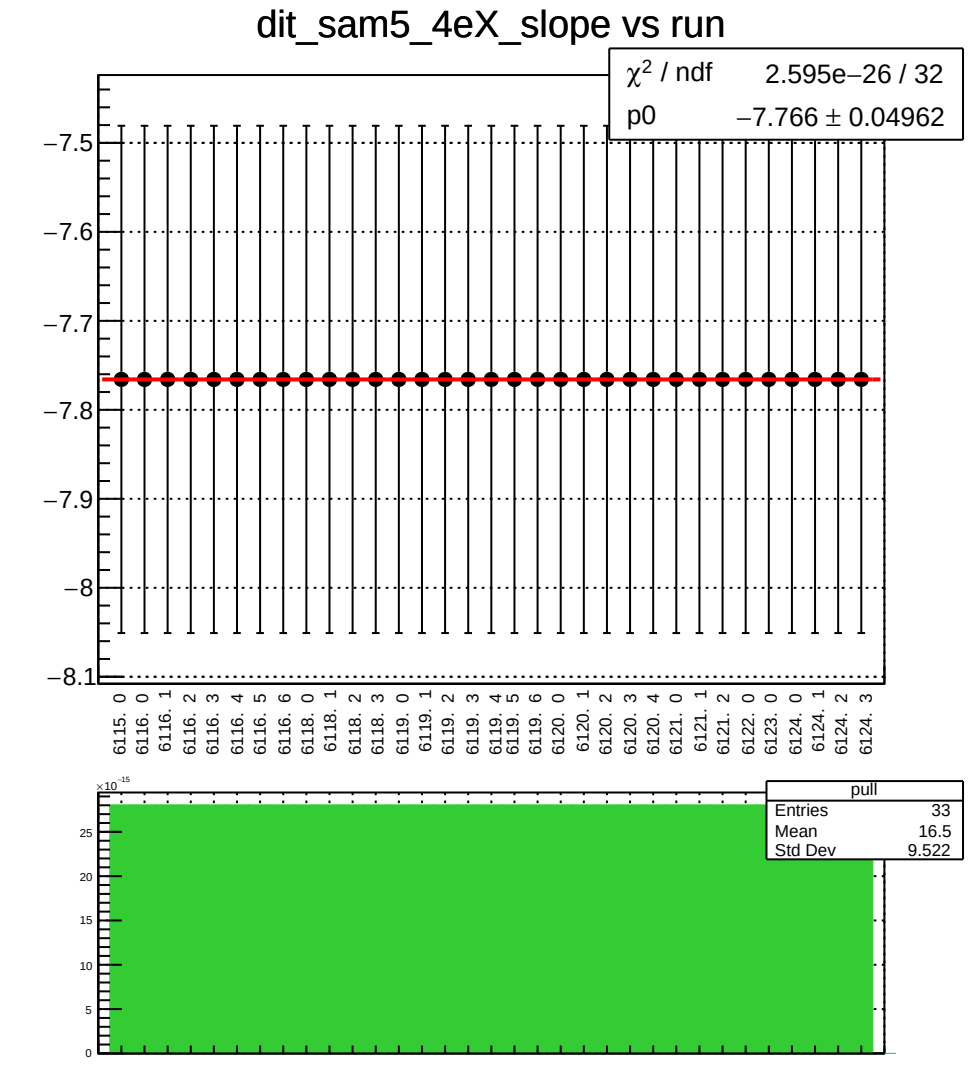

pull1D
Entries 33
Mean 2.76e−14
Std Dev7.923e−22
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

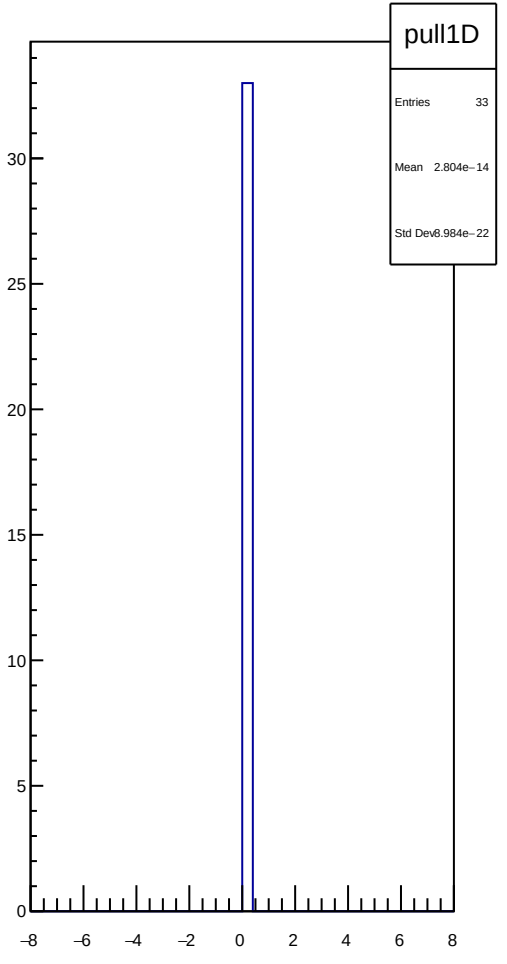

dit_sam4_4eY_slope vs run
χ² / ndf 2.598e−24 / 32
p0 295.1 ± 0.1763
296
295.5
295
294.5
294
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
pull
Entries 33
Mean 16.5
Std Dev 9.522

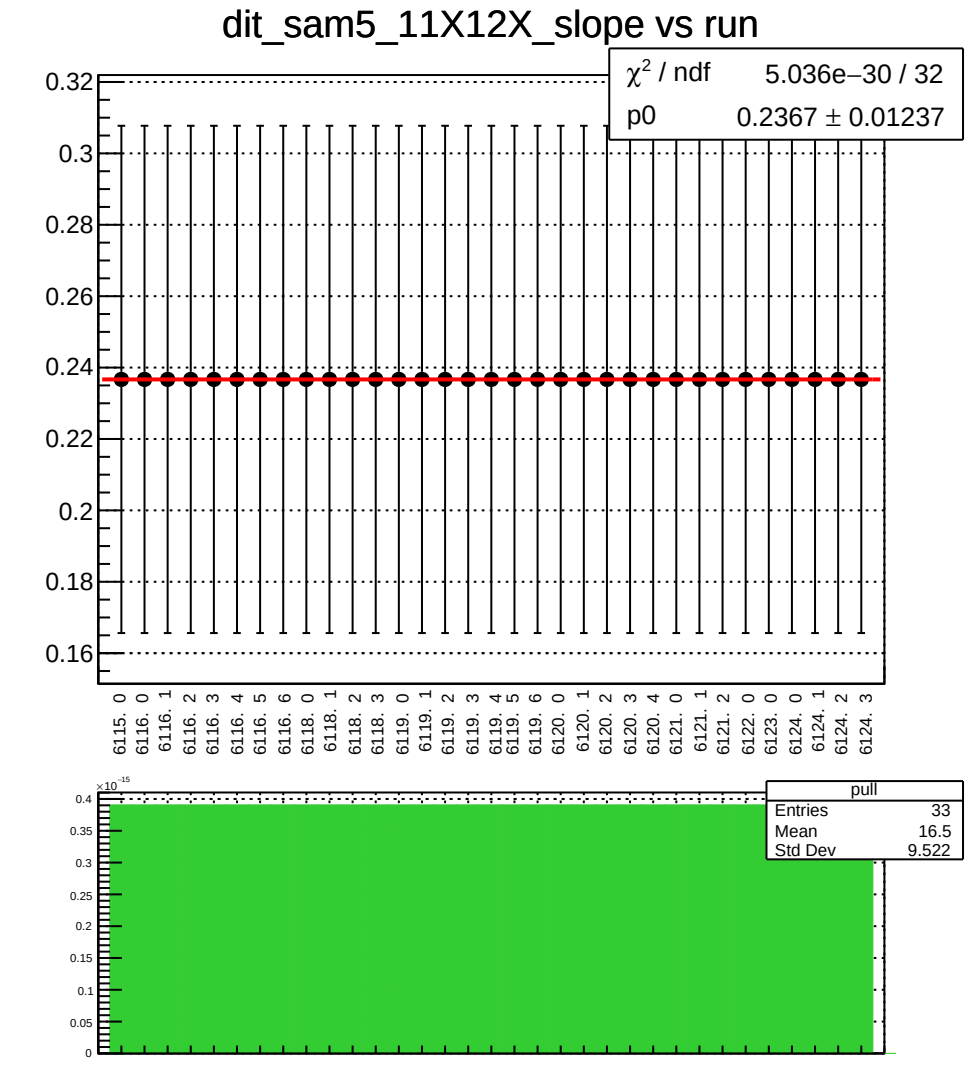

pull1D
Entries 33
Mean −2.806e−13
Std Dev6.776e−21
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

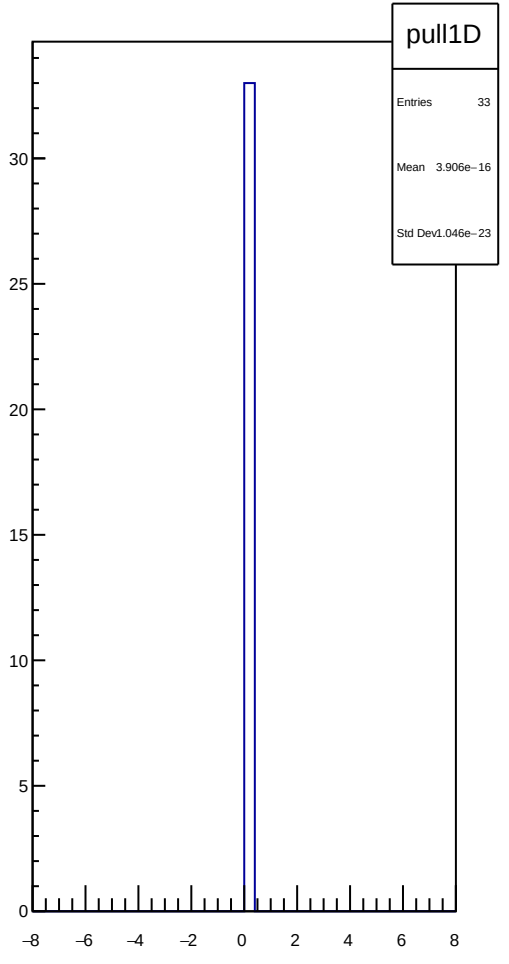

dit_sam5_4aX_slope vs run
χ² / ndf 0 / 32
p0 2.714 ± 0.04595
3
2.9
2.8
2.7
2.6
2.5
2.4
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

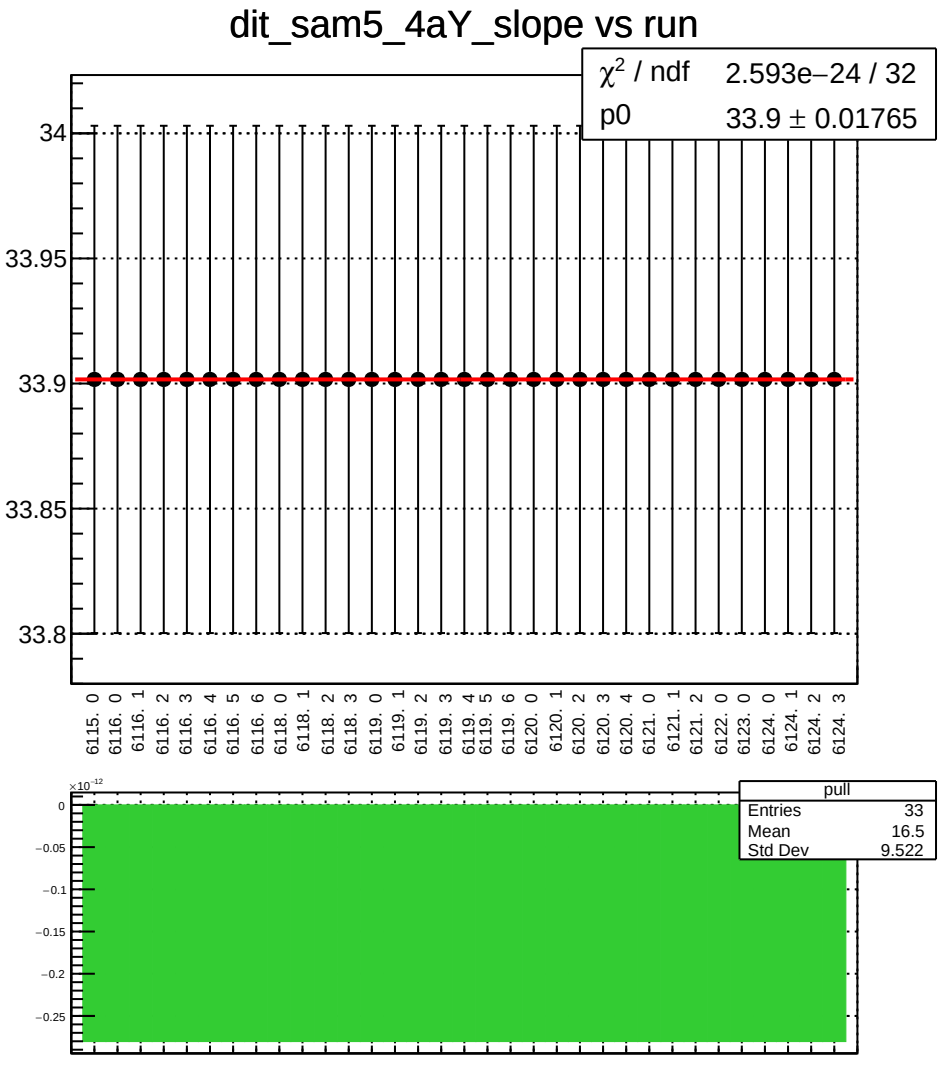

pull1D
Entries 33
Mean 0
Std Dev 0
30
25
20
15
10
5
0
–8
–6
–4
–2
0
2
4
6
8

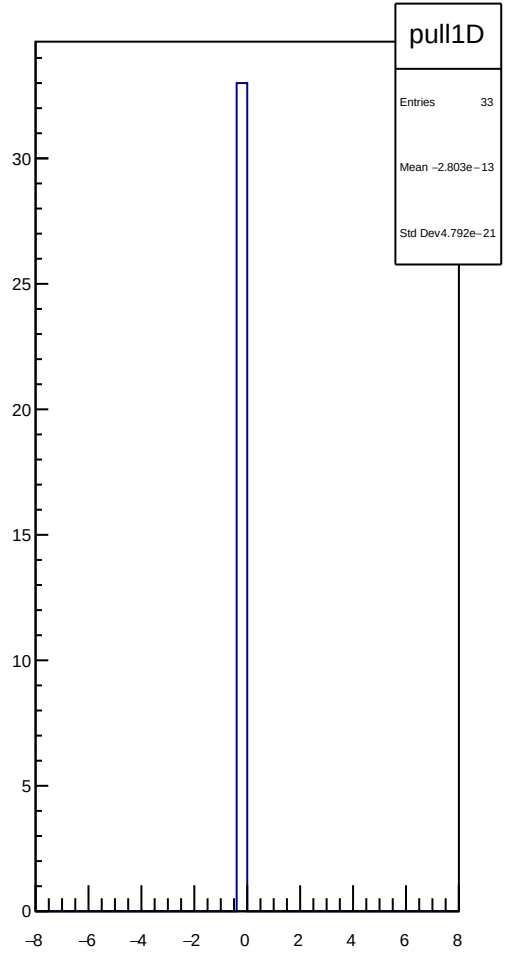

dit_sam5_4eX_slope vs run
χ² / ndf 2.595e−26 / 32
p0 −7.766 ± 0.04962
−7.5
−7.6
−7.7
−7.8
−7.9
−8
−8.1
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹⁵
25
20
15
10
5
0
pull
Entries 33
Mean 16.5
Std Dev 9.522

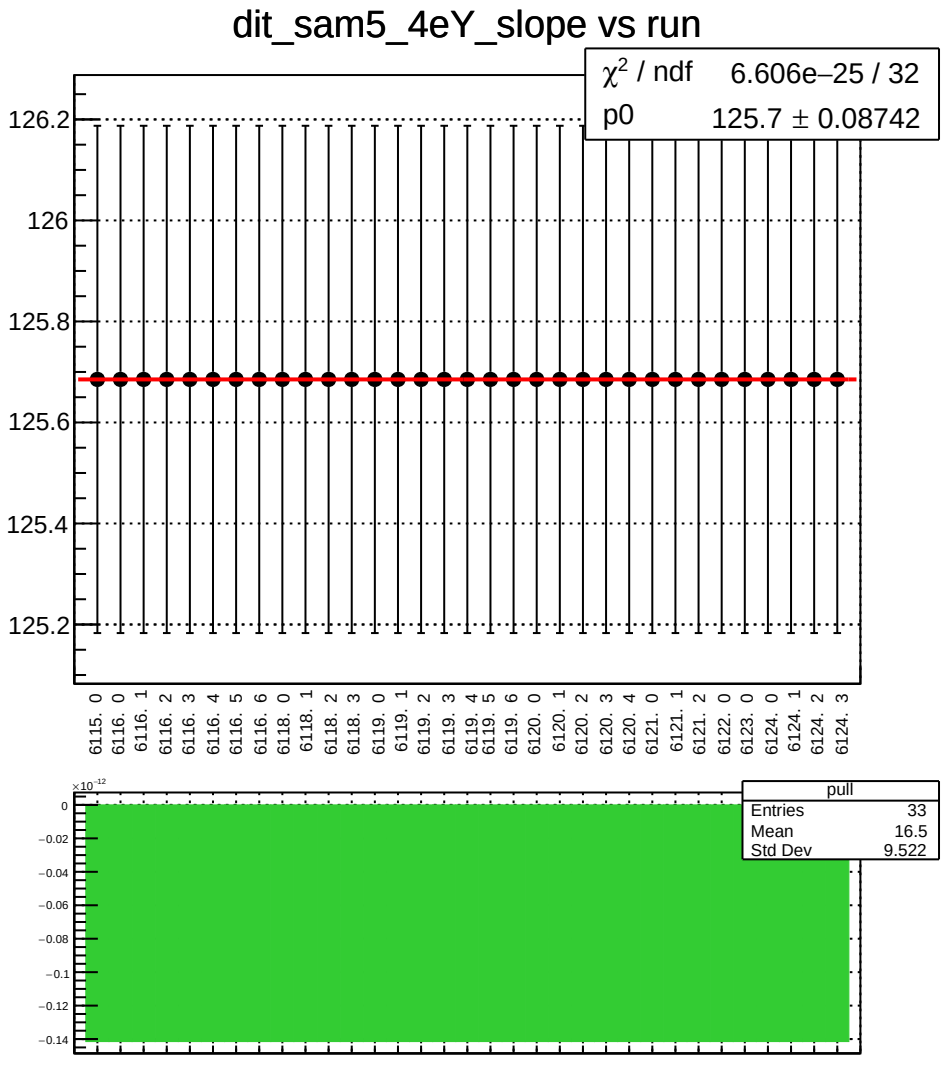

pull1D
Entries 33
Mean 2.804e−14
Std Dev 8.984e−22
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

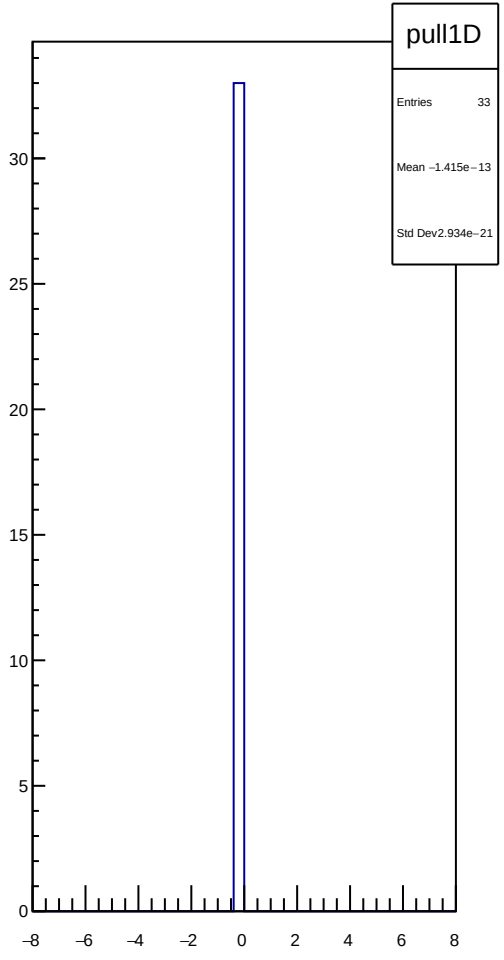

dit_sam5_11X12X_slope vs run
χ² / ndf 5.036e−30 / 32
p0 0.2367 ± 0.01237
0.32
0.3
0.28
0.26
0.24
0.22
0.2
0.18
0.16
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻�15
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
pull
Entries 33
Mean 16.5
Std Dev 9.522

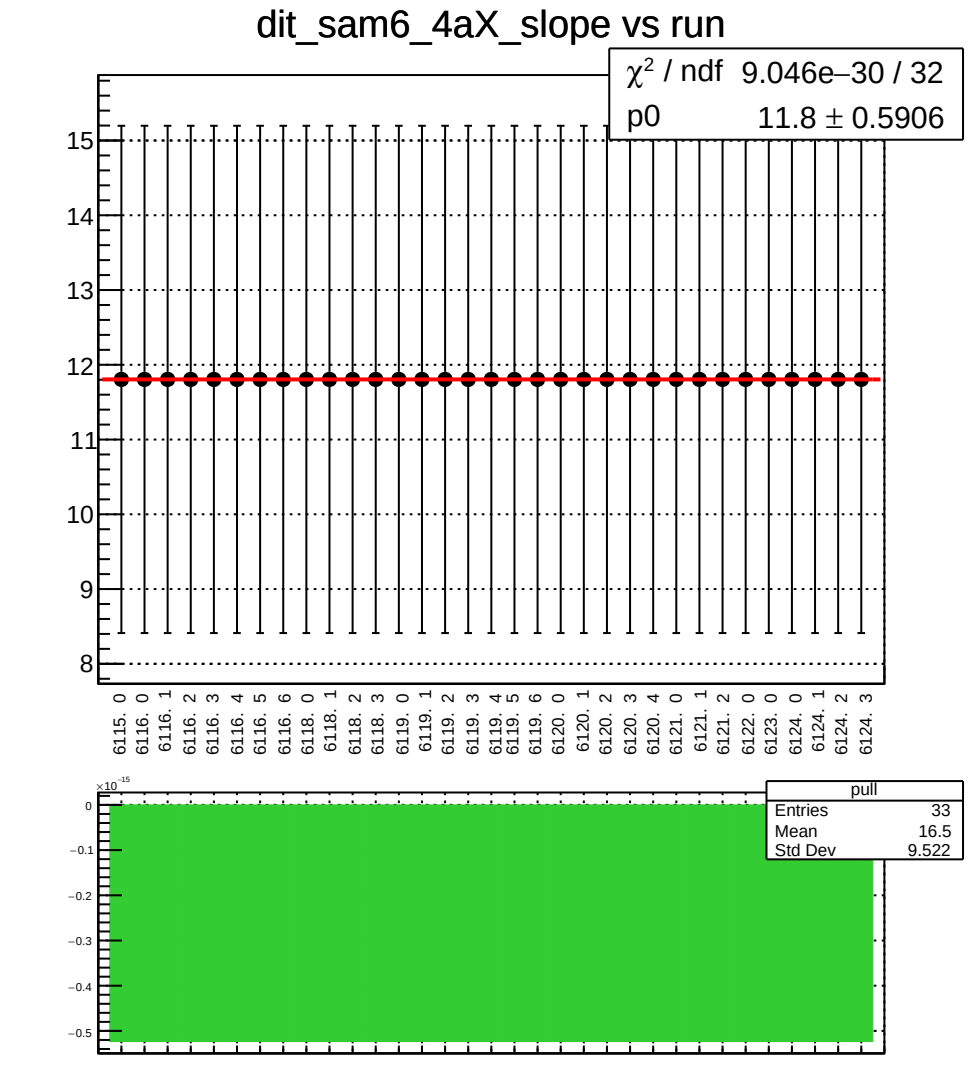

pull1D
Entries 33
Mean 3.906e−16
Std Dev1.046e−23
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

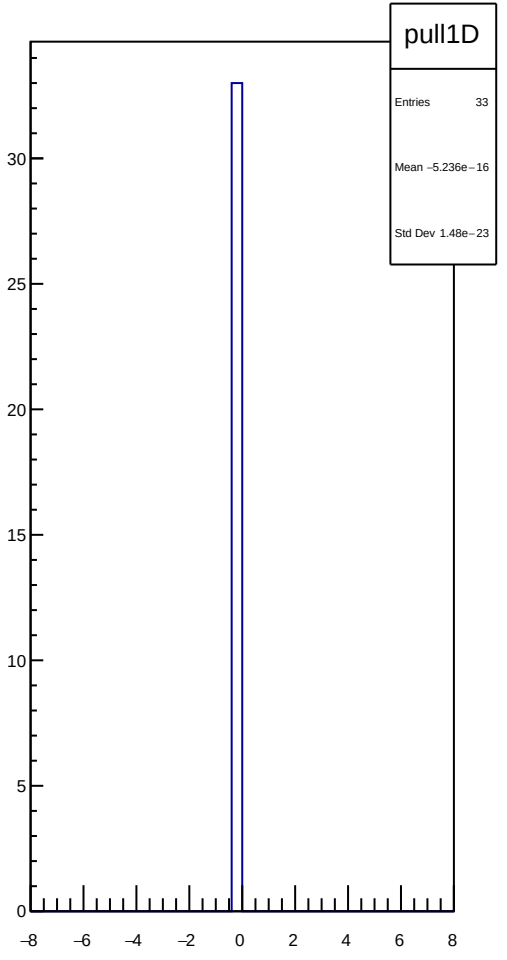

dit_sam5_4aY_slope vs run
χ² / ndf 2.593e−24 / 32
p0 33.9 ± 0.01765
34
33.95
33.9
33.85
33.8
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
pull
Entries 33
Mean 16.5
Std Dev 9.522

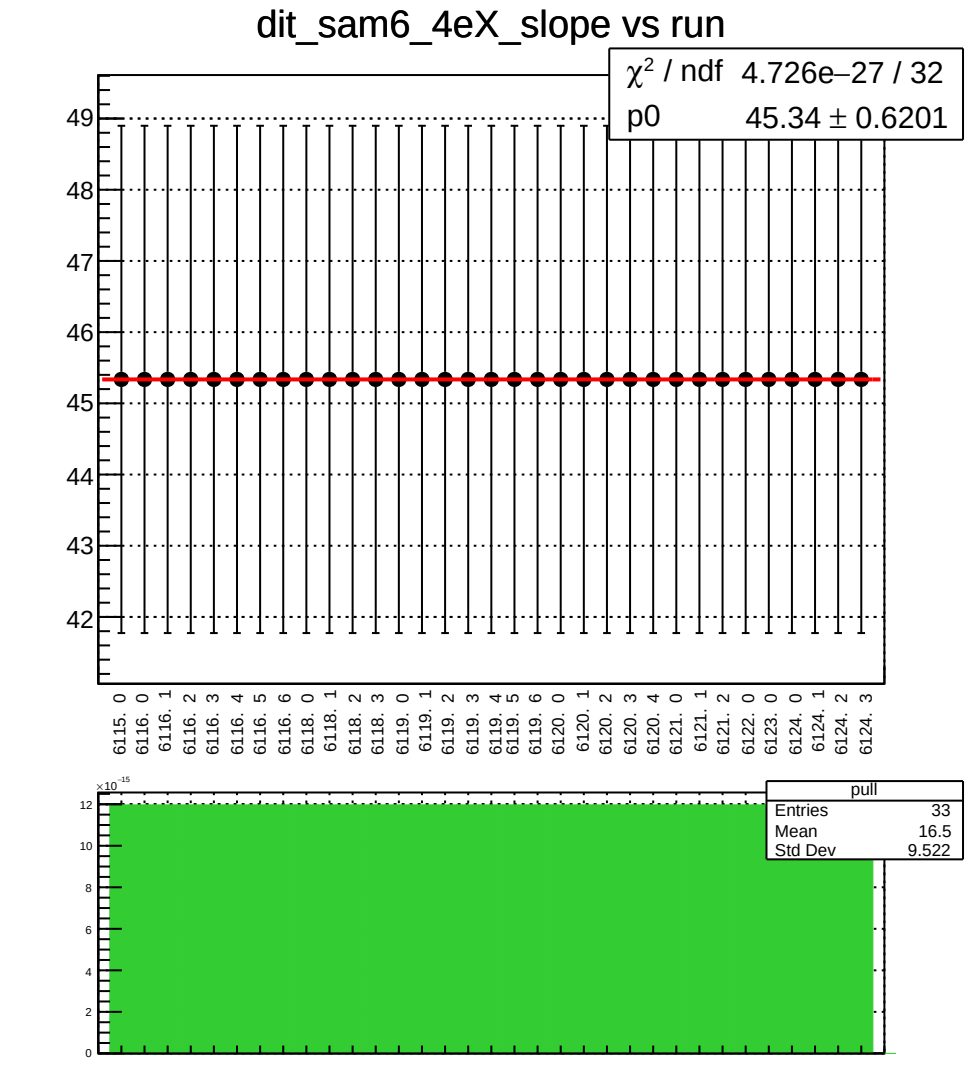

pull1D
Entries 33
Mean −2.803e−13
Std Dev4.792e−21
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

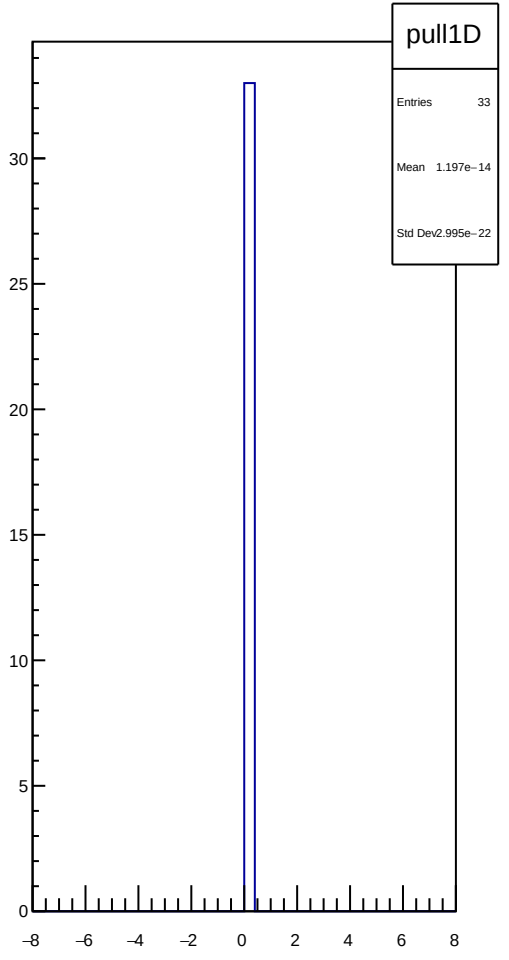

dit_sam5_4eY_slope vs run
χ² / ndf 6.606e−25 / 32
p0 125.7 ± 0.08742
126.2
126
125.8
125.6
125.4
125.2
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
pull
Entries 33
Mean 16.5
Std Dev 9.522

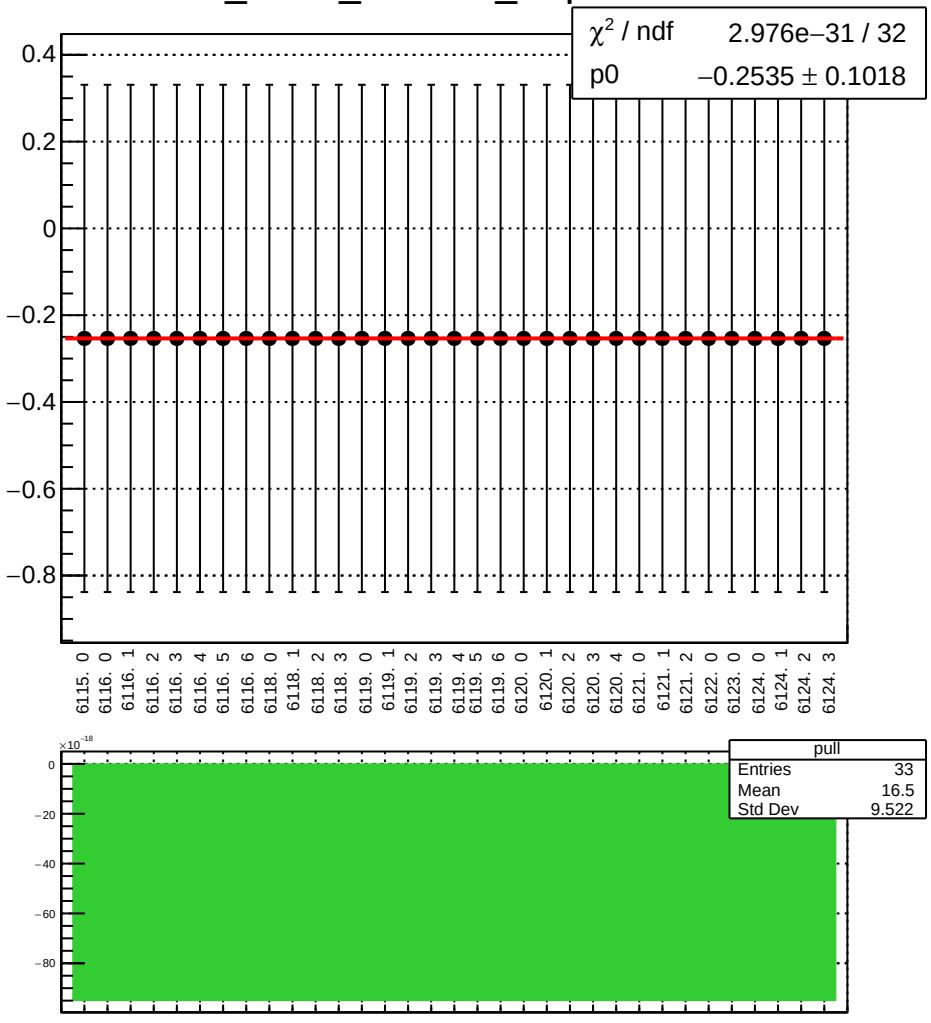

pull1D
Entries 33
Mean −1.415e−13
Std Dev2.934e−21
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

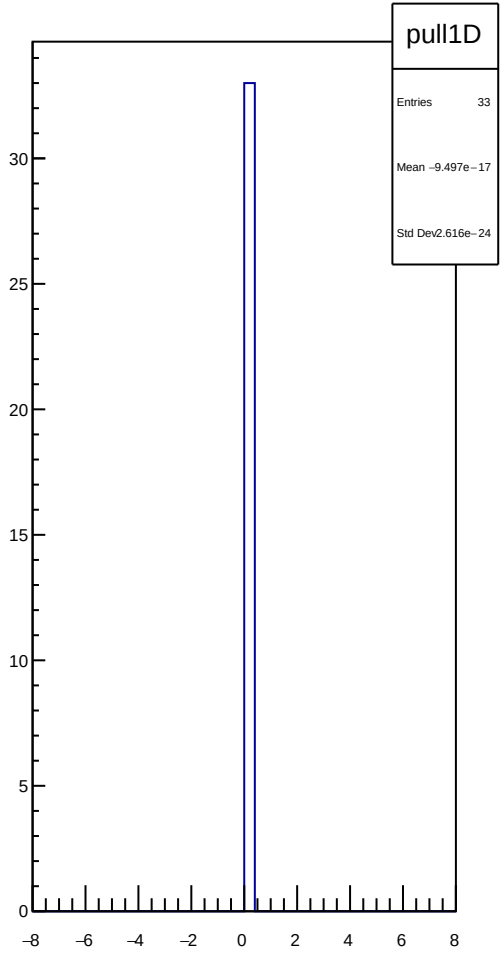

dit_sam6_4aX_slope vs run
χ² / ndf 9.046e−30 / 32
p0 11.8 ± 0.5906
15
14
13
12
11
10
9
8
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹⁵
0
−0.1
−0.2
−0.3
−0.4
−0.5
pull
Entries 33
Mean 16.5
Std Dev 9.522

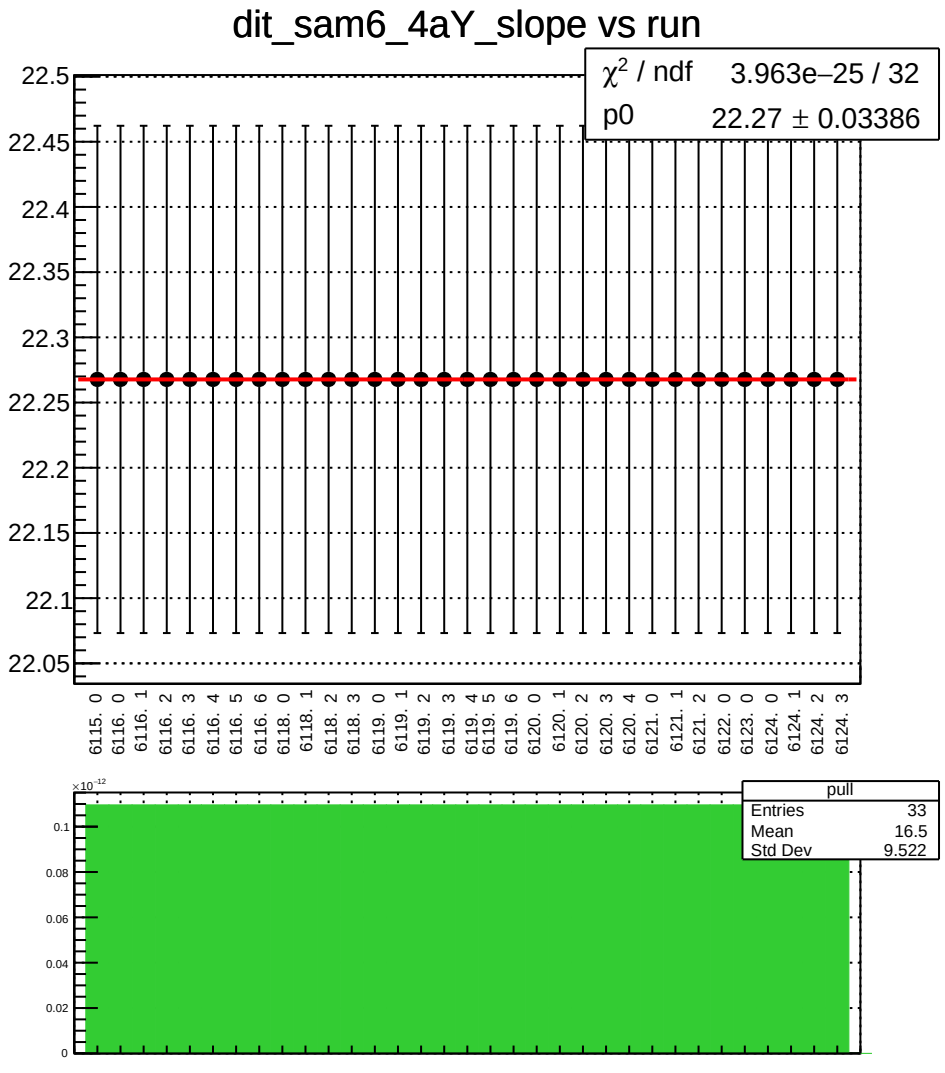

pull1D
Entries 33
Mean −5.236e−16
Std Dev 1.48e−23
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

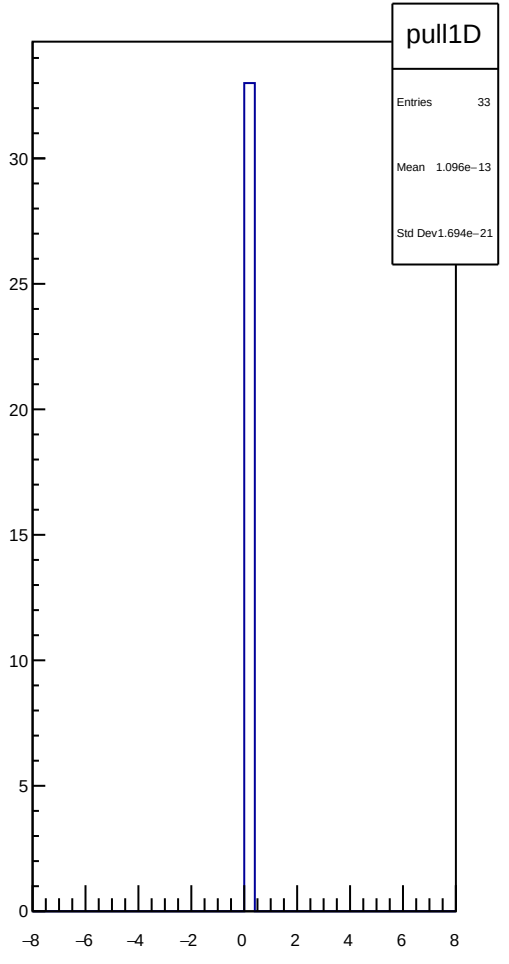

dit_sam6_4eX_slope vs run
χ² / ndf 4.726e−27 / 32
p0 45.34 ± 0.6201
49
48
47
46
45
44
43
42
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹⁵
12
10
8
6
4
2
0
pull
Entries 33
Mean 16.5
Std Dev 9.522

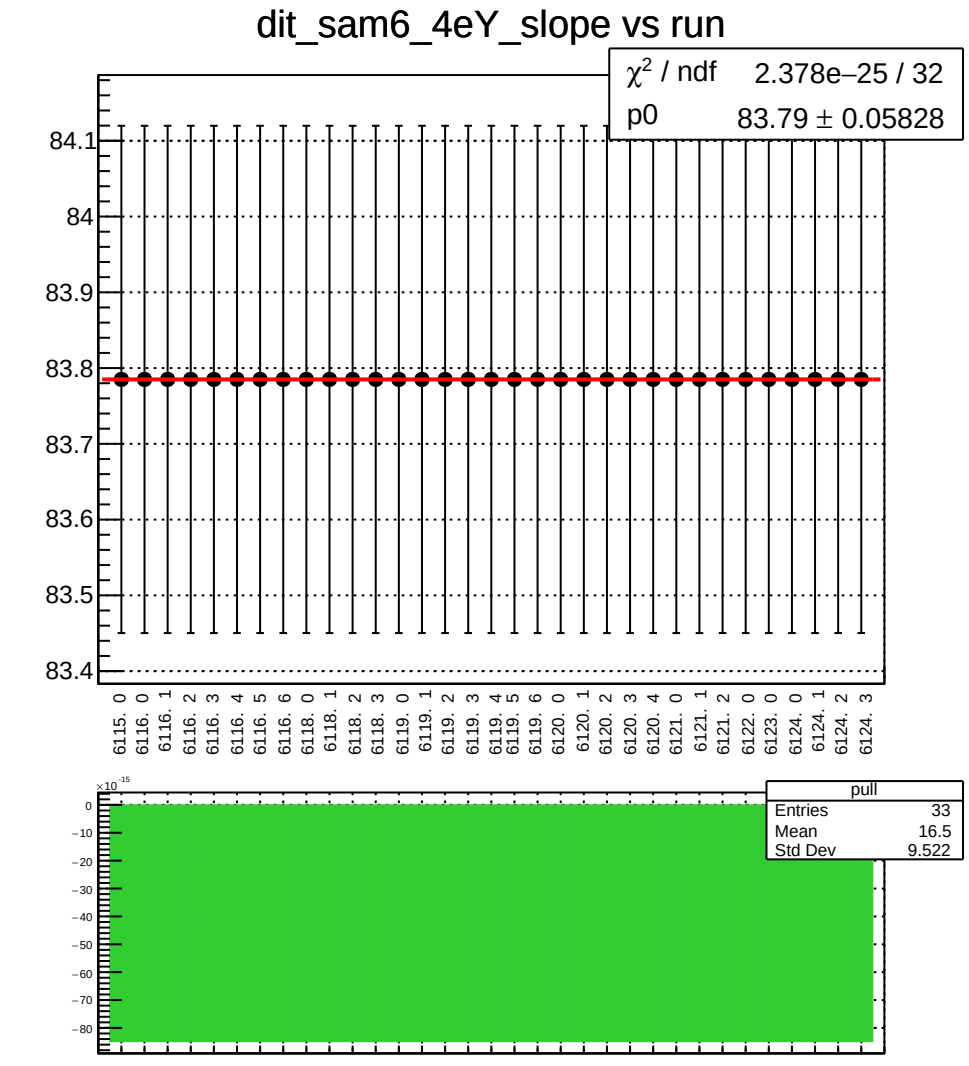

pull1D
Entries 33
Mean 1.197e−14
Std Dev 2.995e−22
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

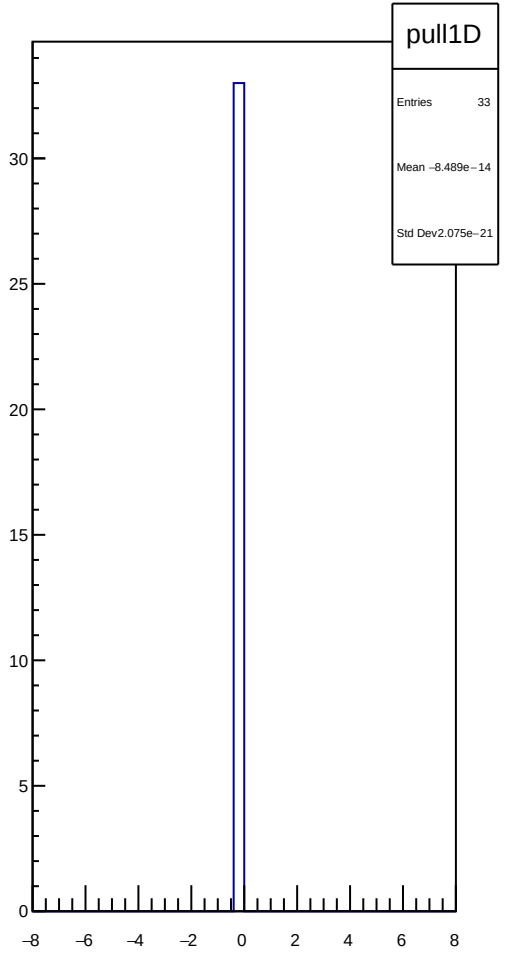

dit_sam6_11X12X_slope vs run
χ² / ndf 2.976e−31 / 32
p0 −0.2535 ± 0.1018
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹⁸
0
−20
−40
−60
−80
pull
Entries 33
Mean 16.5
Std Dev 9.522

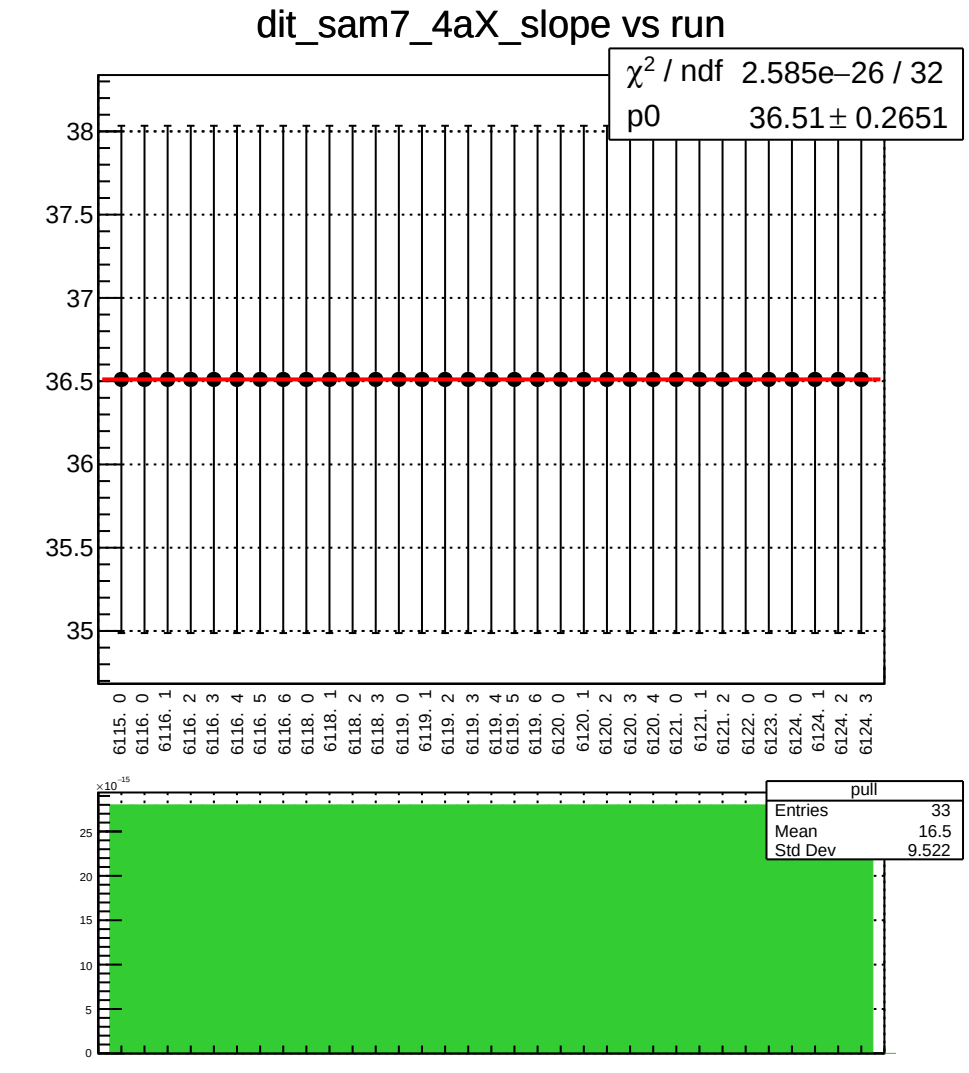

pull1D
Entries 33
Mean −9.497e−17
Std Dev2.616e−24
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

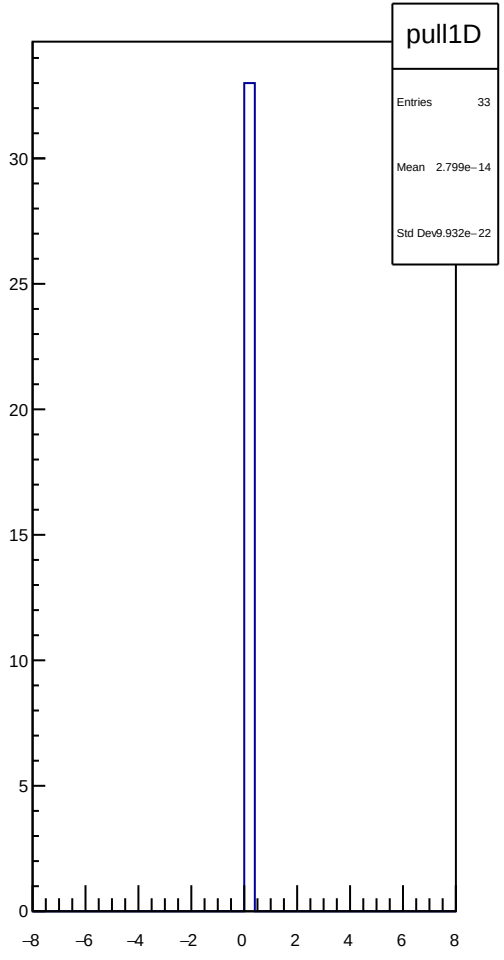

dit_sam6_4aY_slope vs run
χ² / ndf 3.963e−25 / 32
p0 22.27 ± 0.03386
22.5
22.45
22.4
22.35
22.3
22.25
22.2
22.15
22.1
22.05
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 33
Mean 16.5
Std Dev 9.522

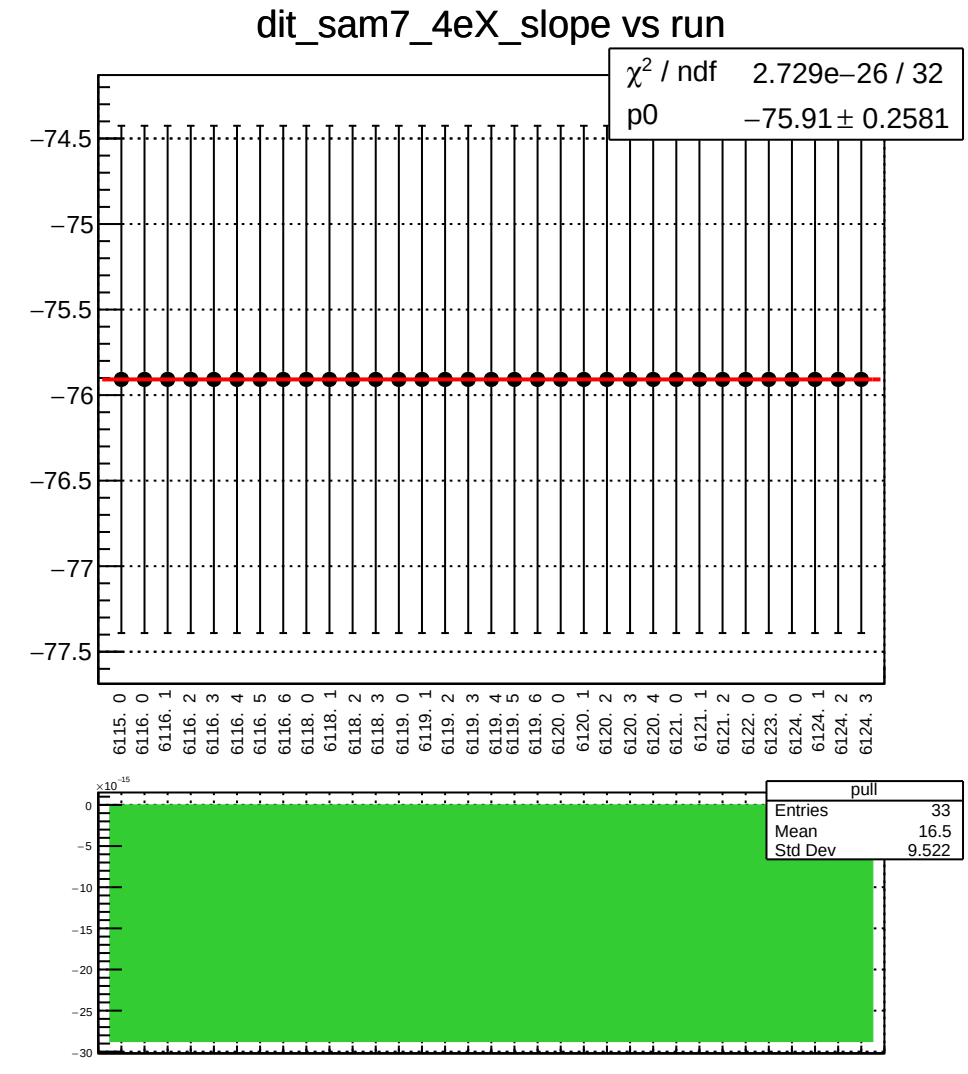

pull1D
Entries 33
Mean 1.096e−13
Std Dev1.694e−21
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

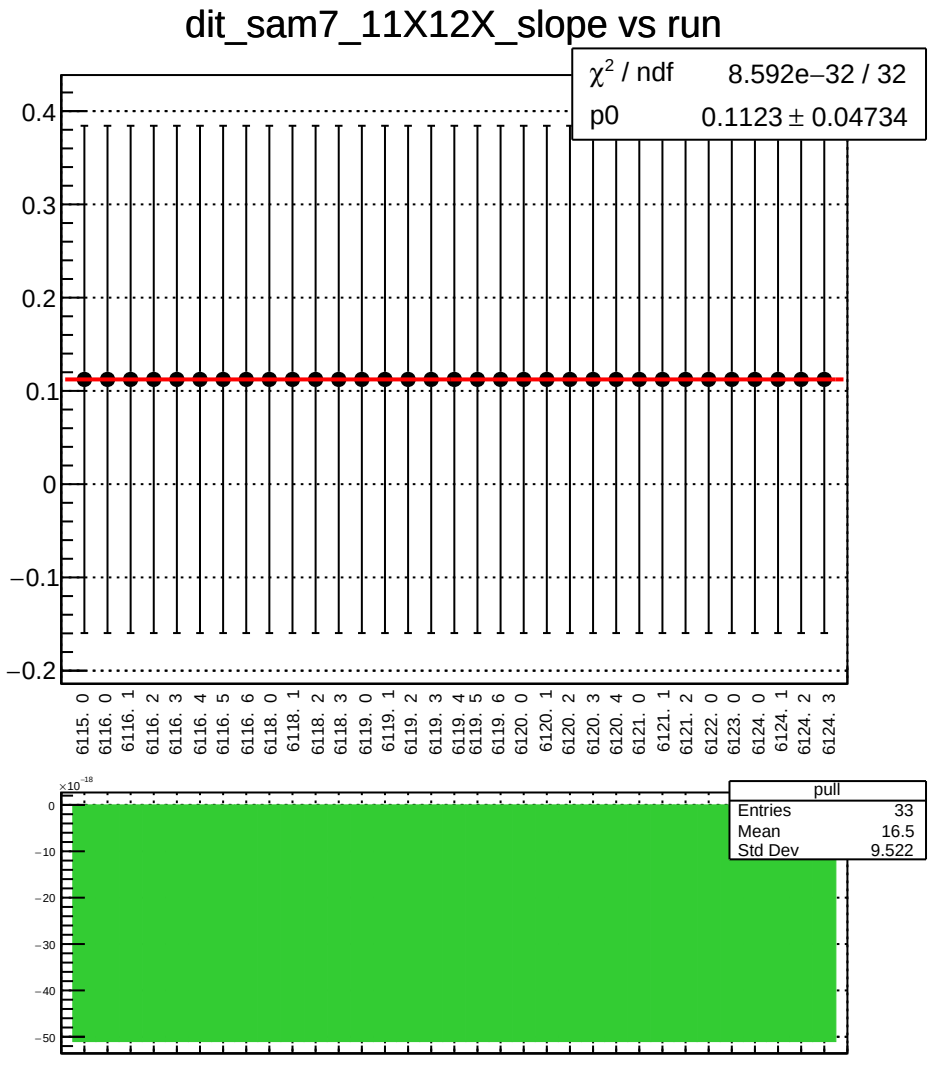

dit_sam6_4eY_slope vs run
χ² / ndf 2.378e−25 / 32
p0 83.79 ± 0.05828
84.1
84
83.9
83.8
83.7
83.6
83.5
83.4
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80
pull
Entries 33
Mean 16.5
Std Dev 9.522

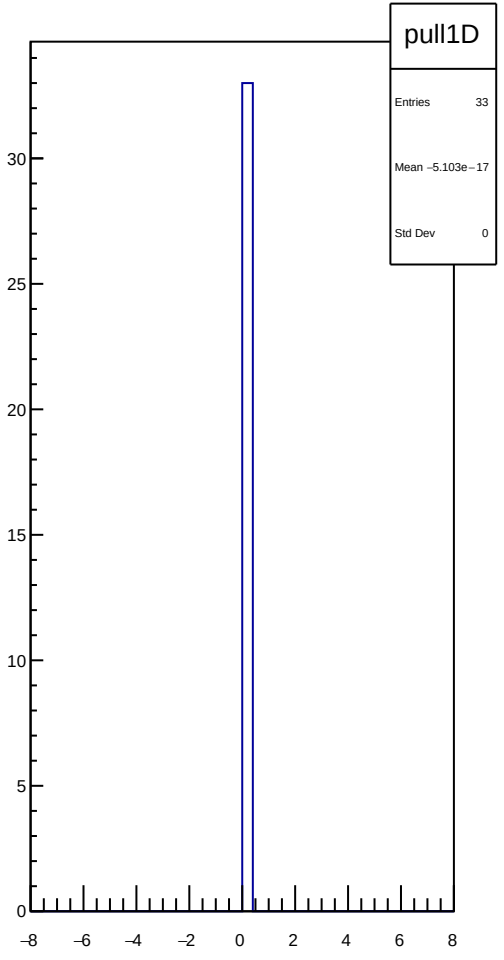

pull1D
Entries 33
Mean −8.489e−14
Std Dev2.075e−21
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

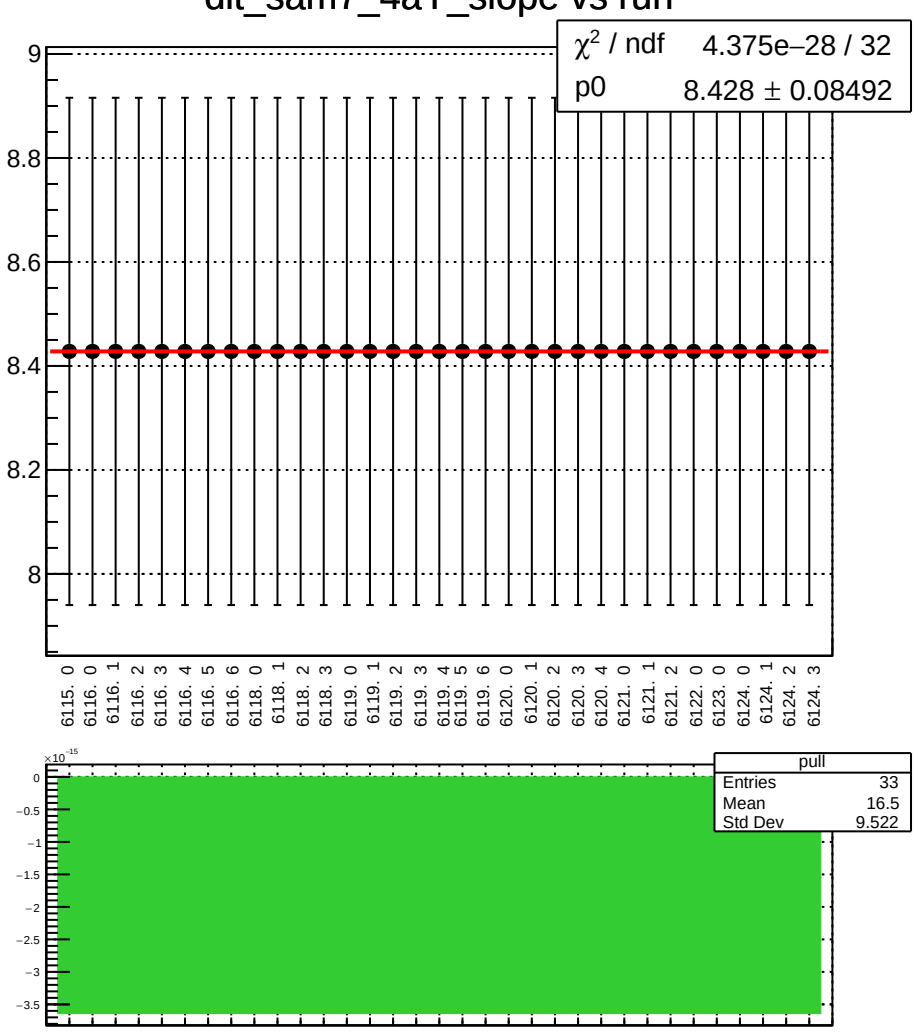

dit_sam7_4aX_slope vs run
χ² / ndf 2.585e−26 / 32
p0 36.51 ± 0.2651
38
37.5
37
36.5
36
35.5
35
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹⁵
25
20
15
10
5
0
pull
Entries 33
Mean 16.5
Std Dev 9.522

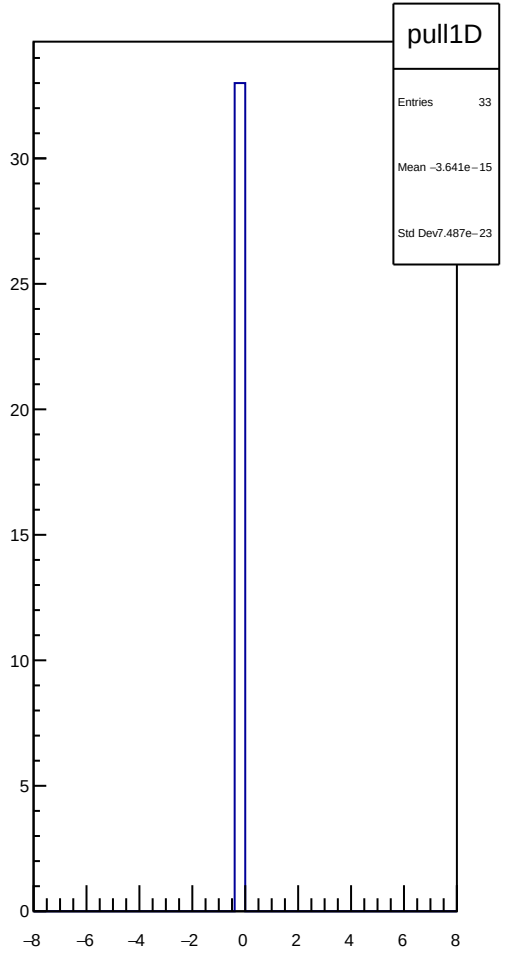

pull1D
Entries 33
Mean 2.799e−14
Std Dev 9.932e−22
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

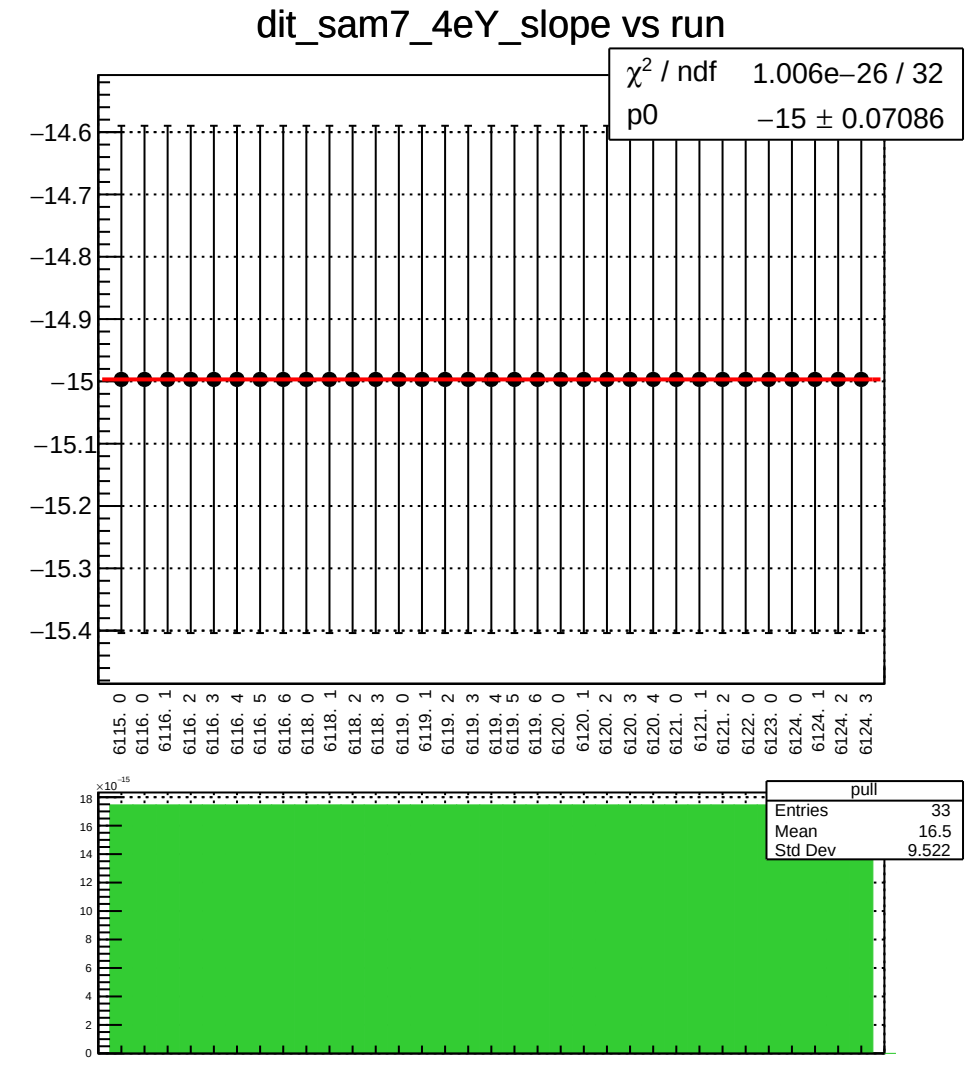

dit_sam7_4eX_slope vs run
χ² / ndf 2.729e−26 / 32
p0 −75.91 ± 0.2581
−74.5
−75
−75.5
−76
−76.5
−77
−77.5
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
pull
Entries 33
Mean 16.5
Std Dev 9.522
pull1D
Entries 33
Mean −2.876e−14
Std Dev 8.47e−22
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

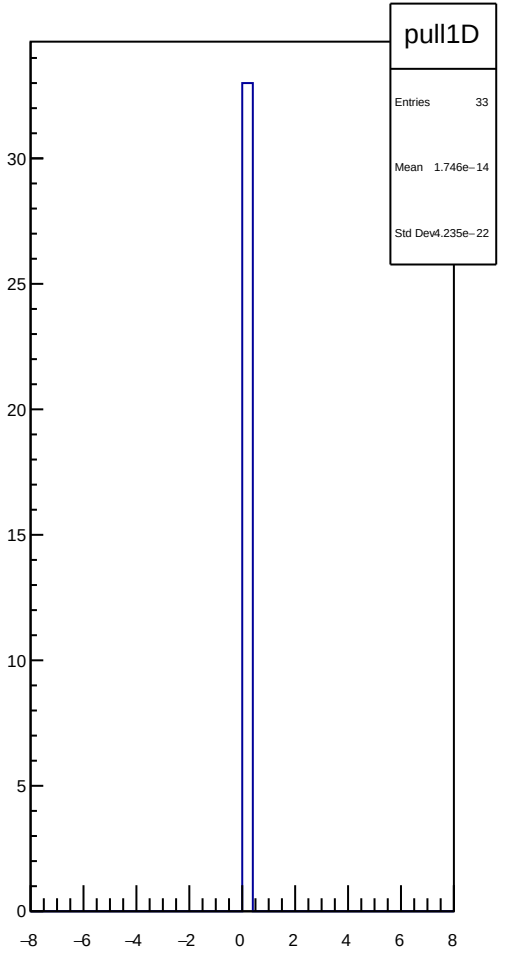

dit_sam7_11X12X_slope vs run
χ² / ndf 8.592e−32 / 32
p0 0.1123 ± 0.04734
0.4
0.3
0.2
0.1
0
−0.1
−0.2
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹⁸
0
−10
−20
−30
−40
−50
pull
Entries 33
Mean 16.5
Std Dev 9.522

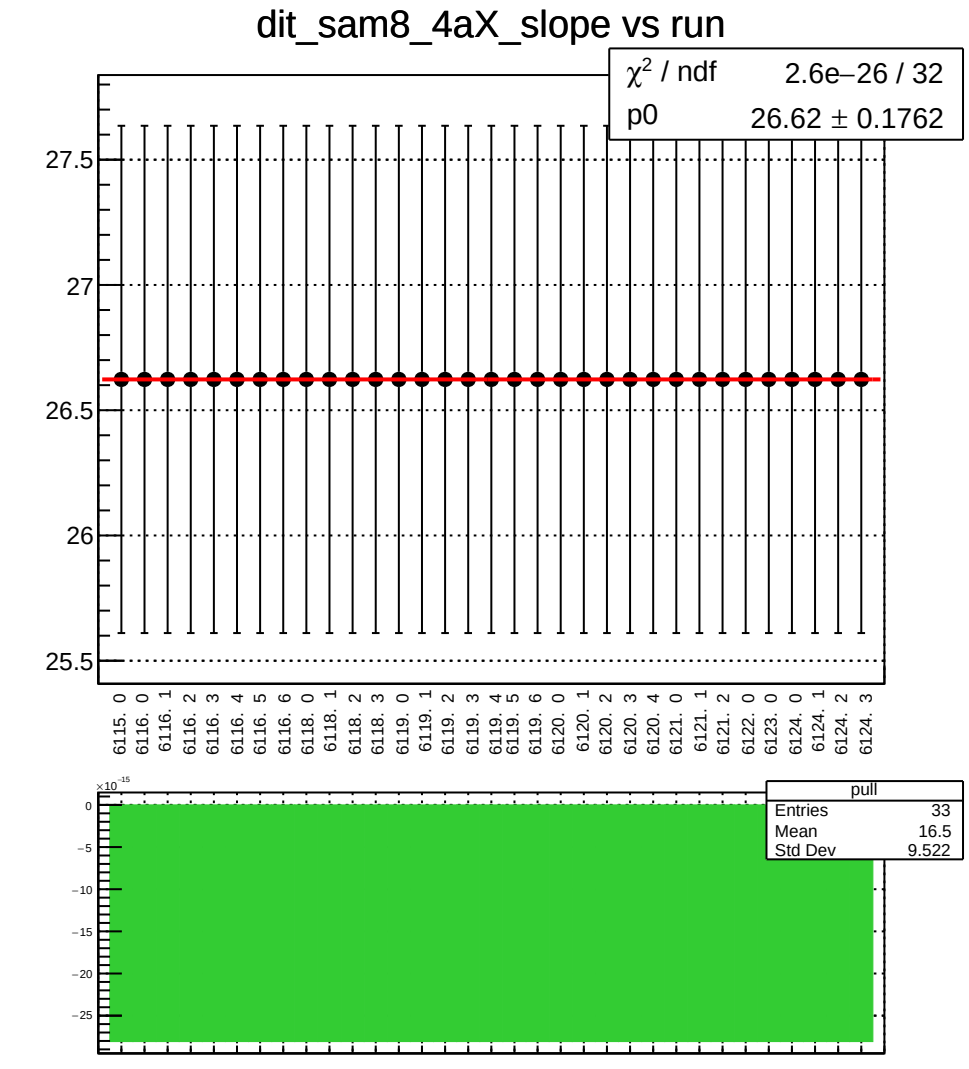

pull1D
Entries 33
Mean −5.103e−17
Std Dev 0
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

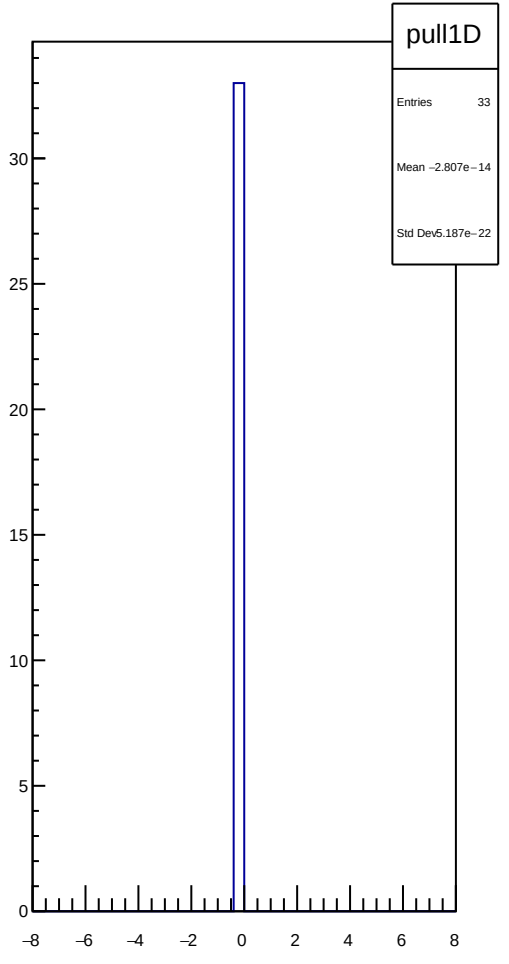

dit_sam7_4aY_slope vs run
χ² / ndf 4.375e−28 / 32
p0 8.428 ± 0.08492
9
8.8
8.6
8.4
8.2
8
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
pull
Entries 33
Mean 16.5
Std Dev 9.522

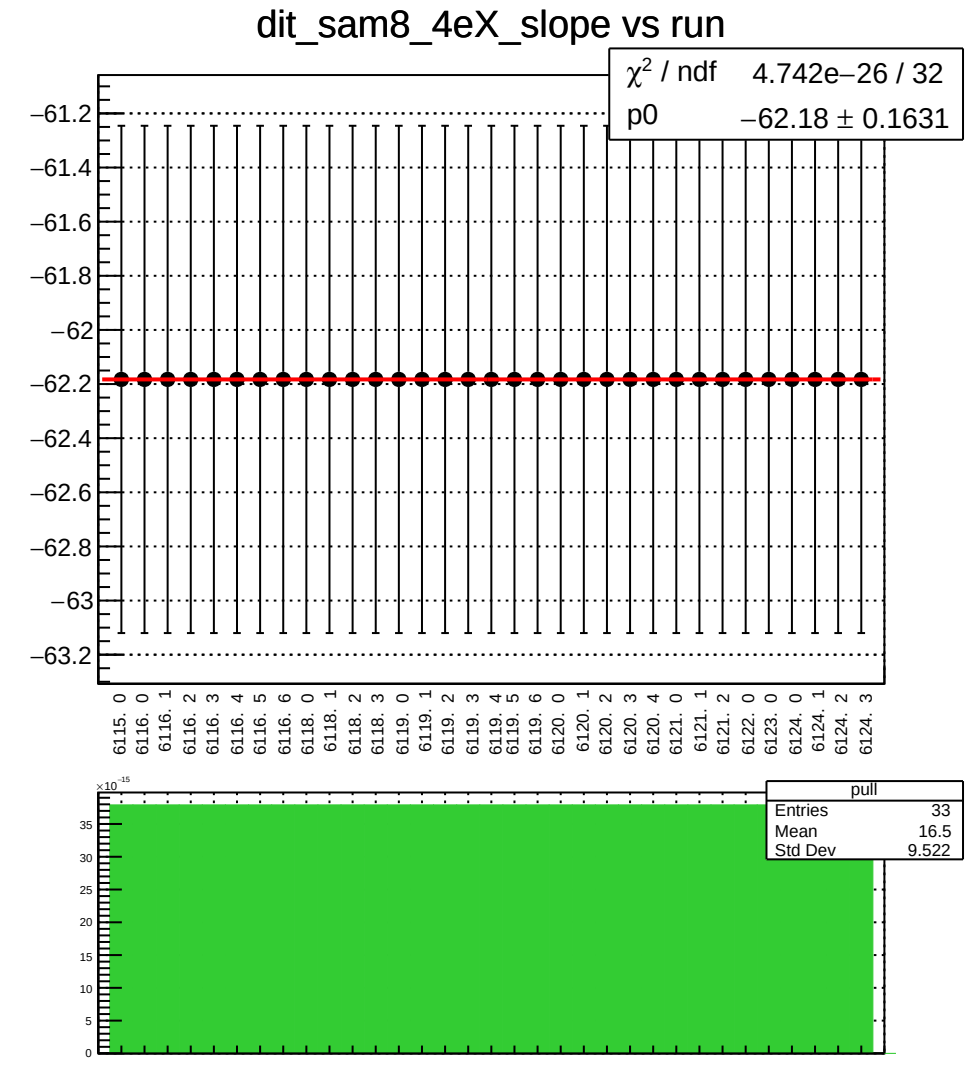

pull1D
Entries 33
Mean −3.641e−15
Std Dev7.487e−23
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

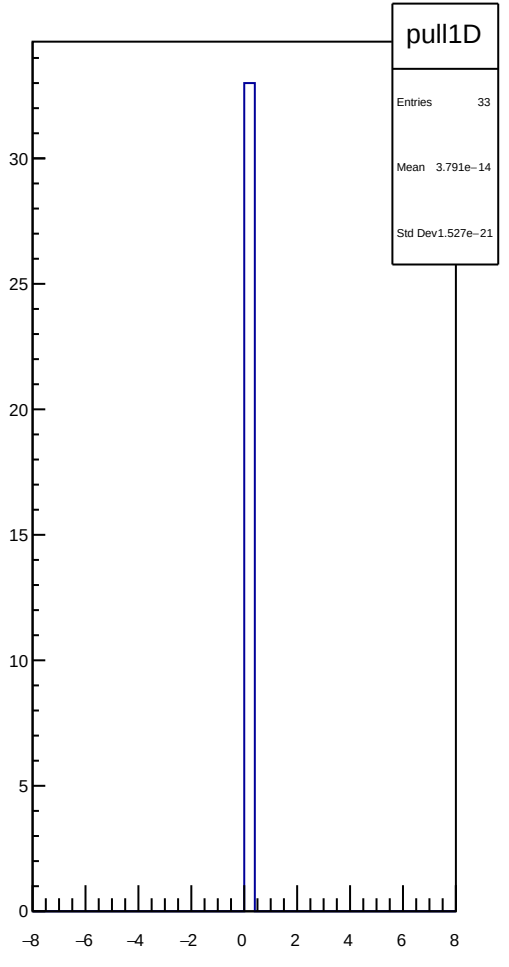

dit_sam7_4eY_slope vs run
χ² / ndf 1.006e−26 / 32
p0 −15 ± 0.07086
−14.6
−14.7
−14.8
−14.9
−15
−15.1
−15.2
−15.3
−15.4
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹⁵
pull
Entries 33
Mean 16.5
Std Dev 9.522

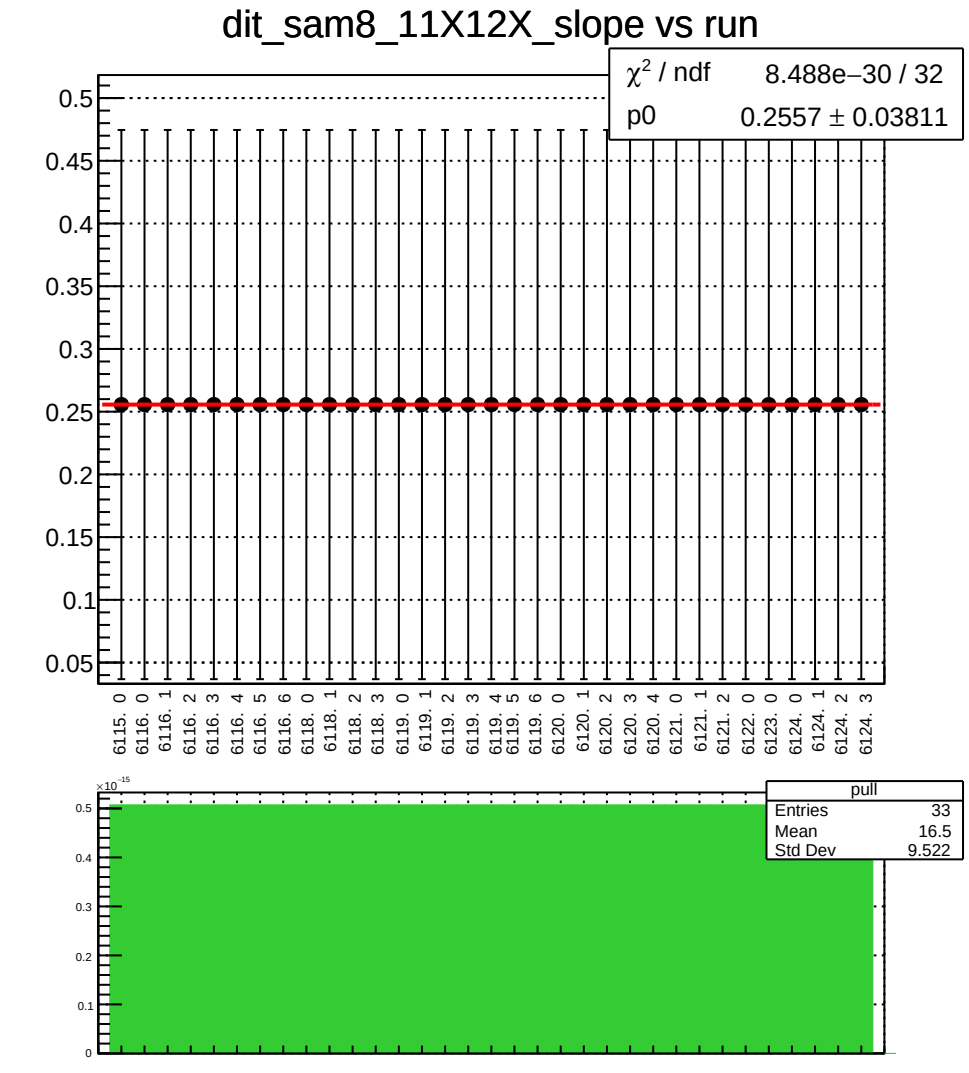

pull1D
Entries 33
Mean 1.746e−14
Std Dev 4.235e−22

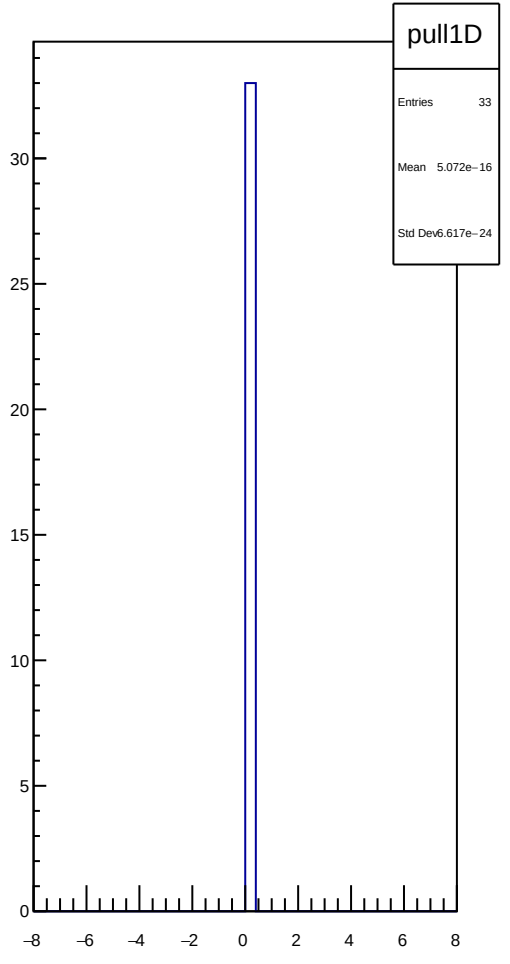

dit_sam8_4aX_slope vs run
χ² / ndf 2.6e−26 / 32
p0 26.62 ± 0.1762
27.5
27
26.5
26
25.5
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹⁵
0
−5
−10
−15
−20
−25
pull
Entries 33
Mean 16.5
Std Dev 9.522

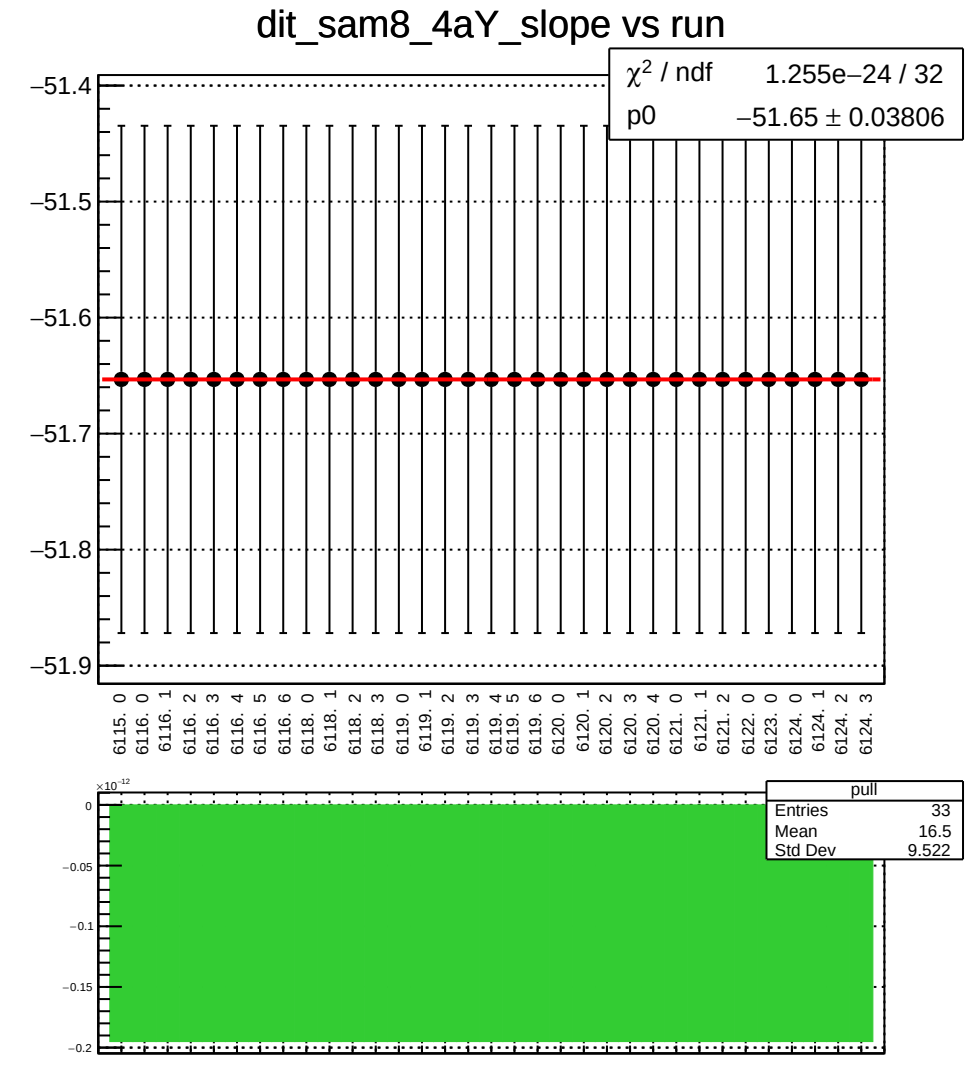

pull1D
Entries 33
Mean −2.807e−14
Std Dev5.187e−22
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

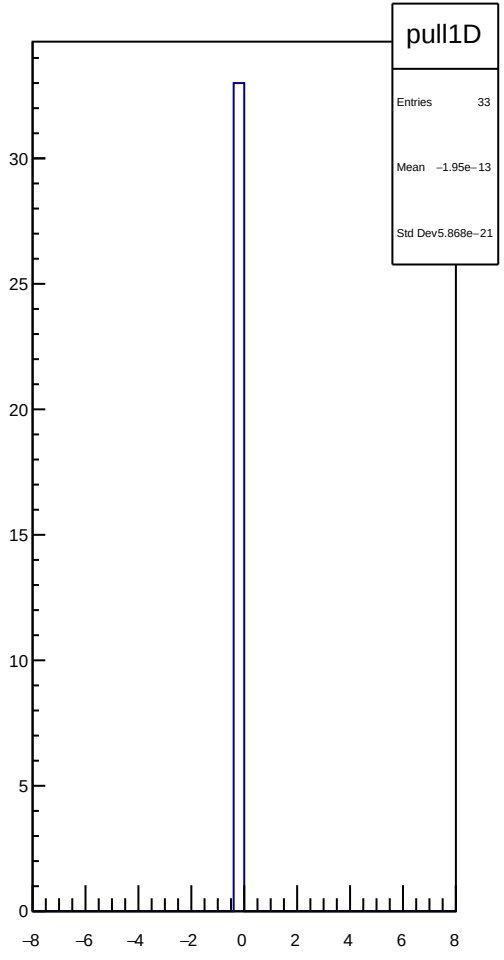

dit_sam8_4eX_slope vs run
χ² / ndf 4.742e−26 / 32
p0 −62.18 ± 0.1631
−61.2
−61.4
−61.6
−61.8
−62
−62.2
−62.4
−62.6
−62.8
−63
−63.2
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹⁵
35
30
25
20
15
10
5
0
pull
Entries 33
Mean 16.5
Std Dev 9.522

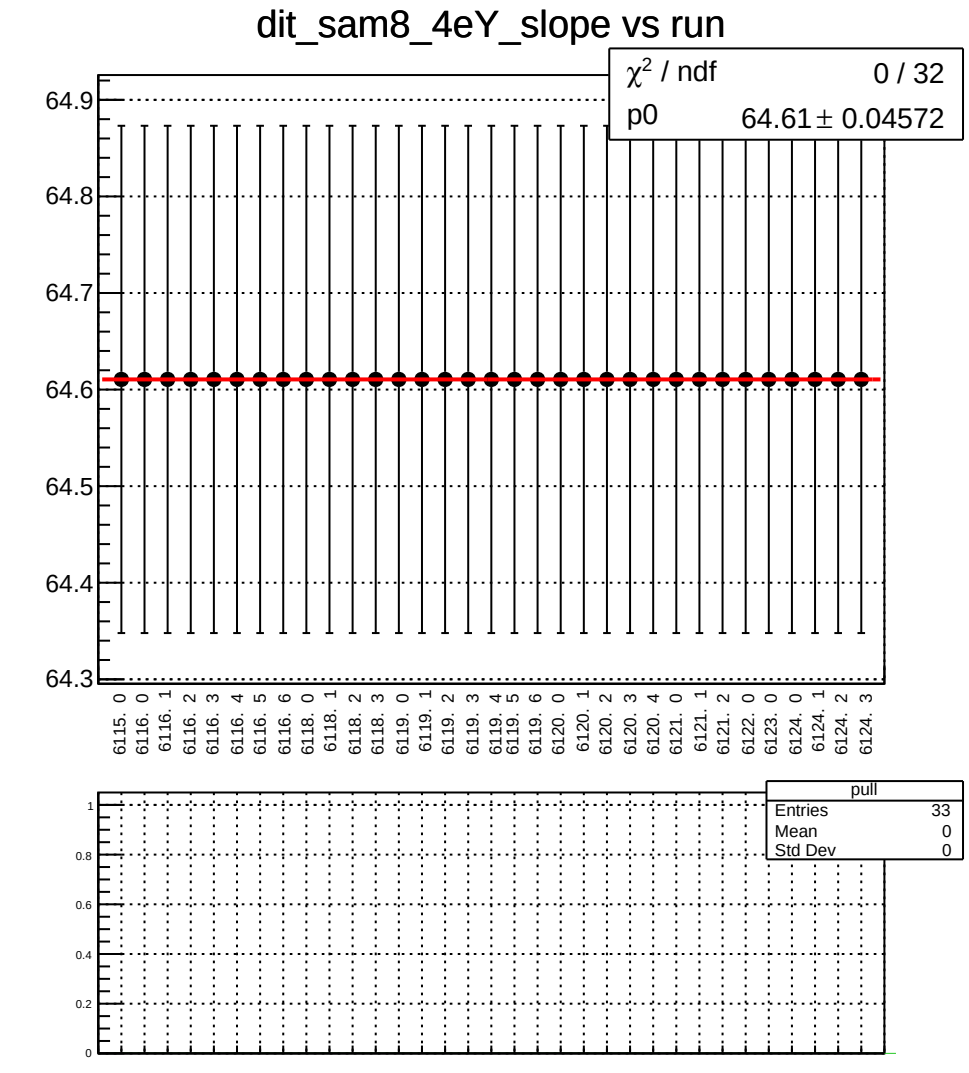

pull1D
Entries 33
Mean 3.791e−14
Std Dev1.527e−21
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

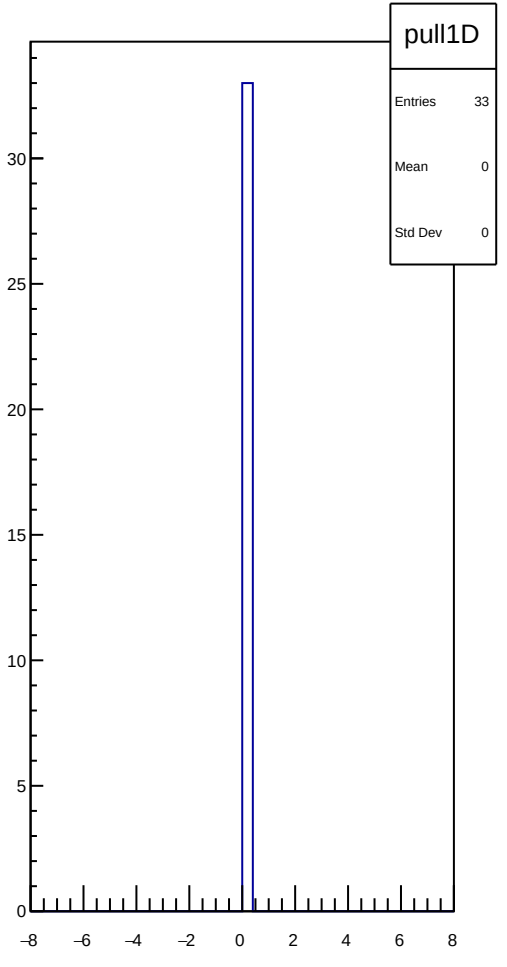

dit_sam8_11X12X_slope vs run
χ² / ndf 8.488e−30 / 32
p0 0.2557 ± 0.03811
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹⁵
0.5
0.4
0.3
0.2
0.1
0
pull
Entries 33
Mean 16.5
Std Dev 9.522

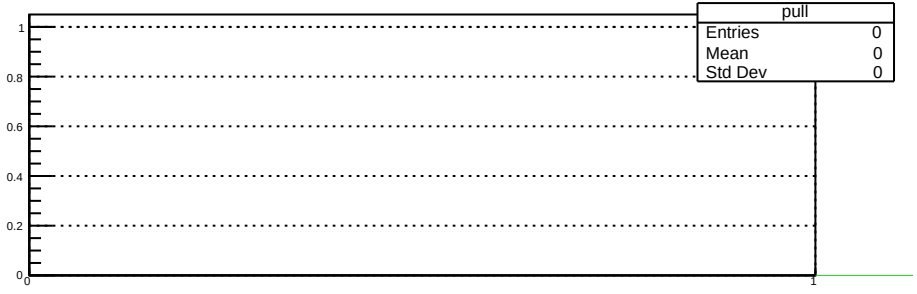

pull1D
Entries 33
Mean 5.072e−16
Std Dev 6.617e−24
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

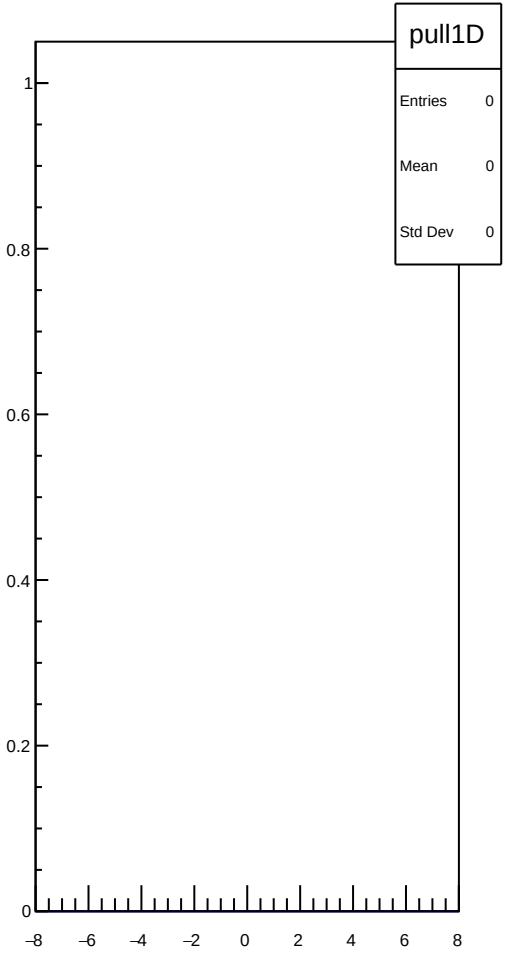

dit_sam8_4aY_slope vs run
χ² / ndf 1.255e−24 / 32
p0 −51.65 ± 0.03806
−51.4
−51.5
−51.6
−51.7
−51.8
−51.9
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
pull
Entries 33
Mean 16.5
Std Dev 9.522

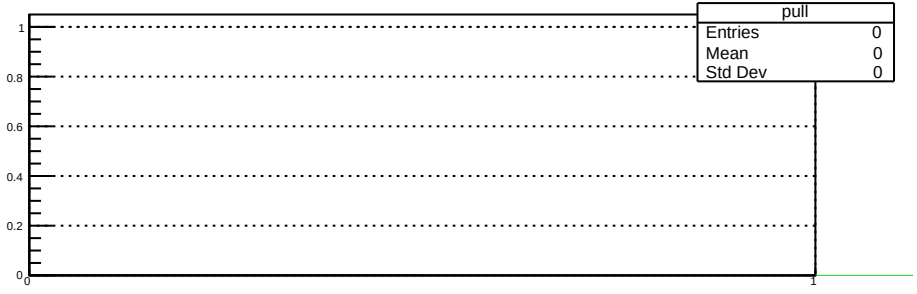

pull1D
Entries 33
Mean −1.95e−13
Std Dev 5.868e−21
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

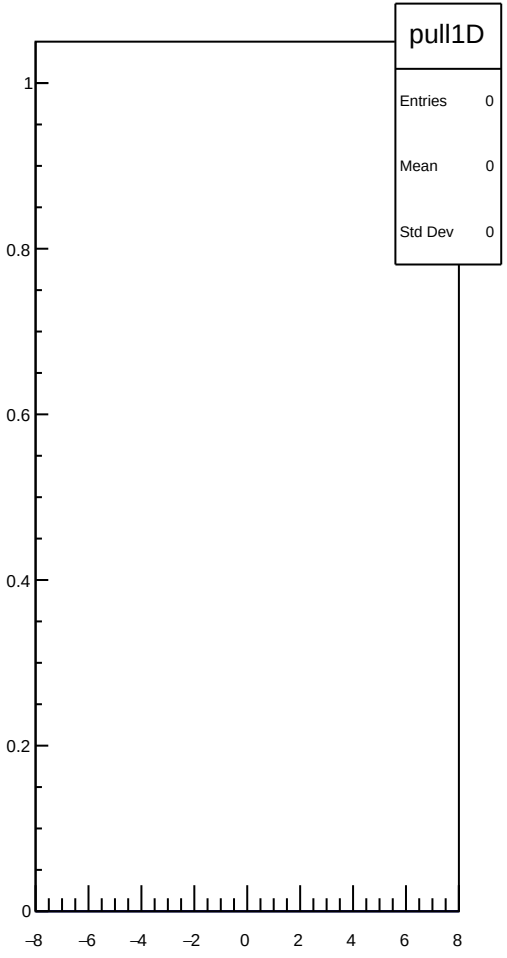

dit_sam8_4eY_slope vs run
χ² / ndf 0 / 32
p0 64.61 ± 0.04572
64.9
64.8
64.7
64.6
64.5
64.4
64.3
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

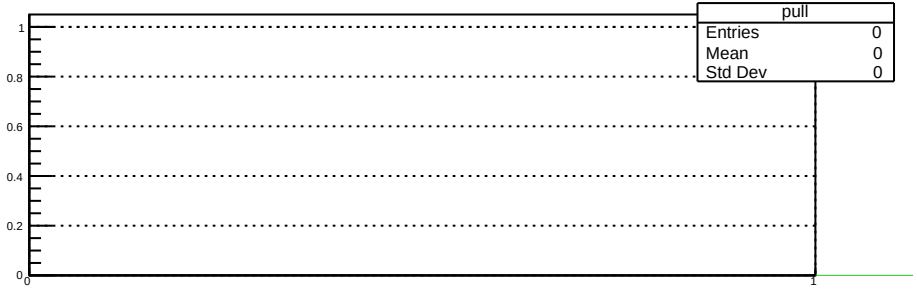

pull1D
Entries 33
Mean 0
Std Dev 0
30
25
20
15
10
5
0
–8
–6
–4
–2
0
2
4
6
8

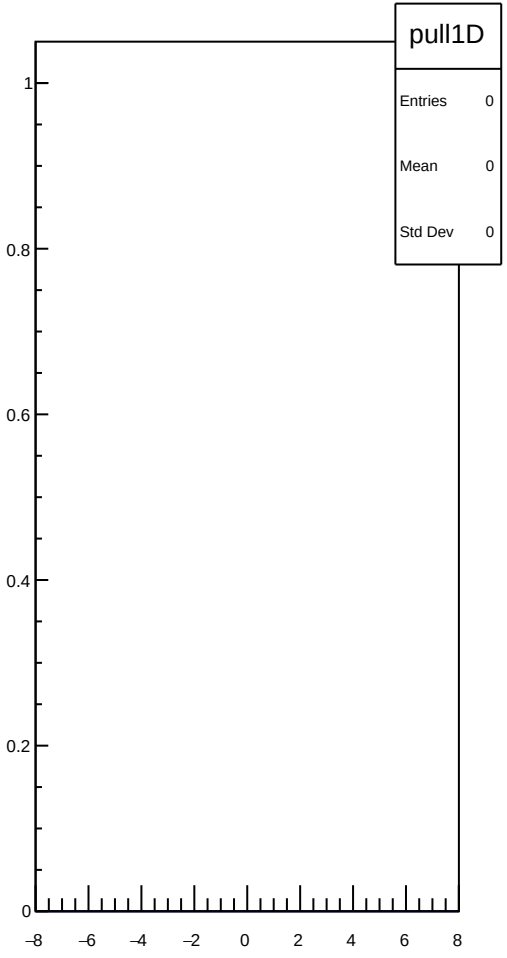

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

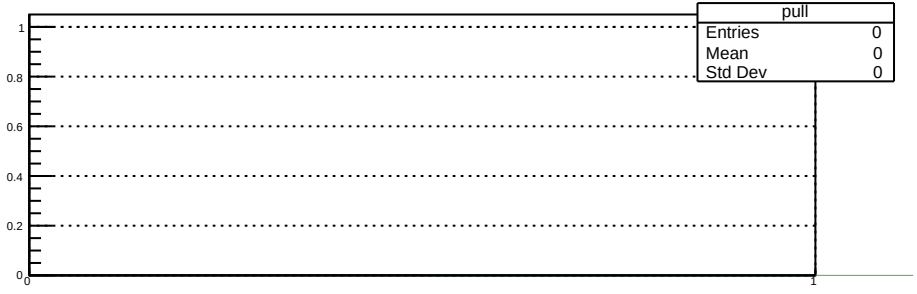

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

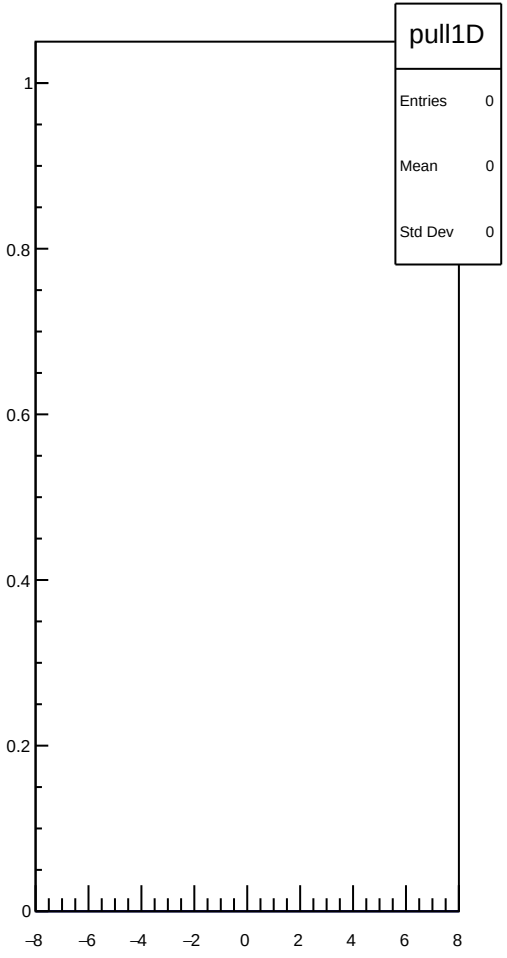

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

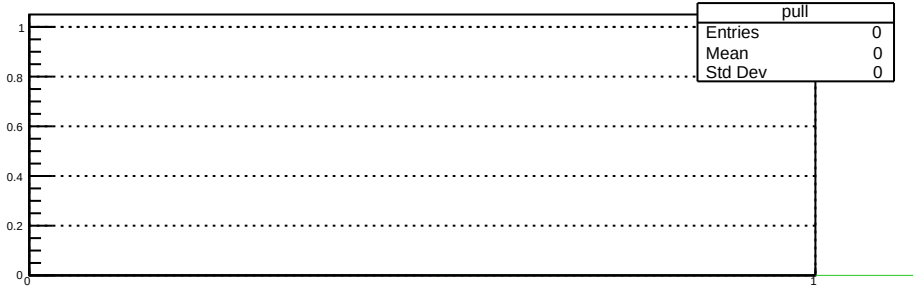

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

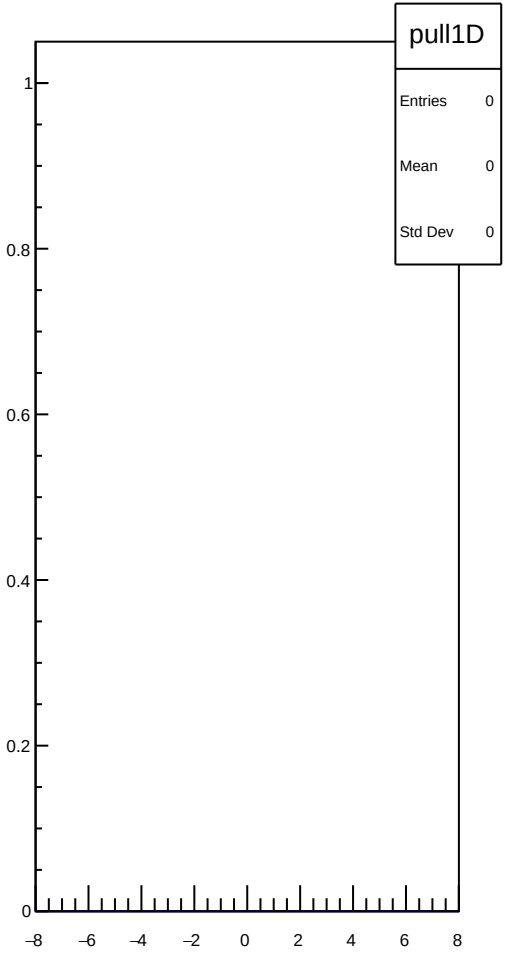

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

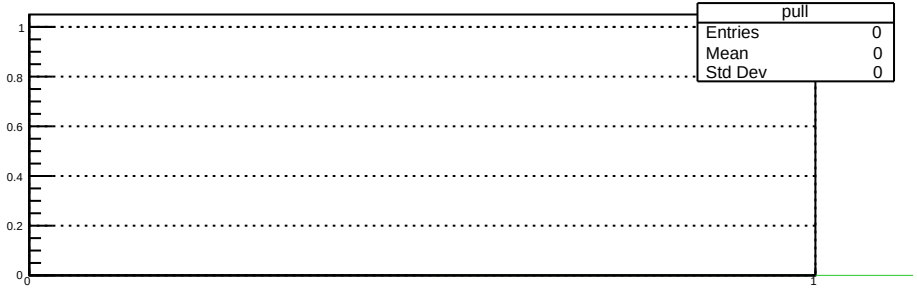

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

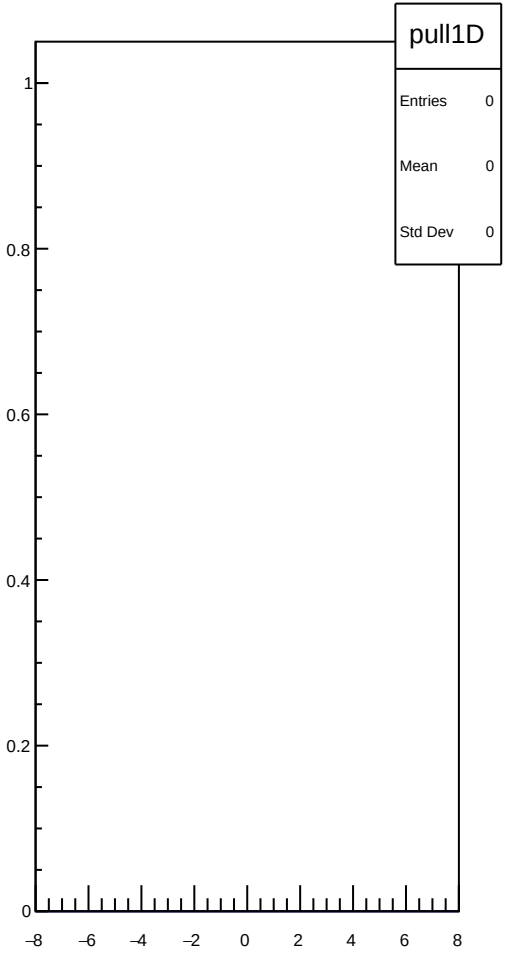

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

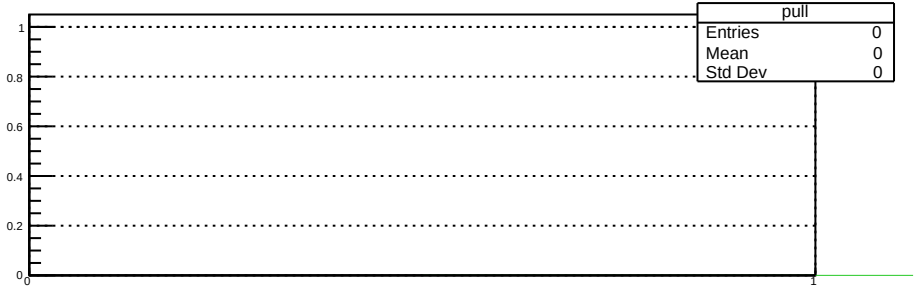

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

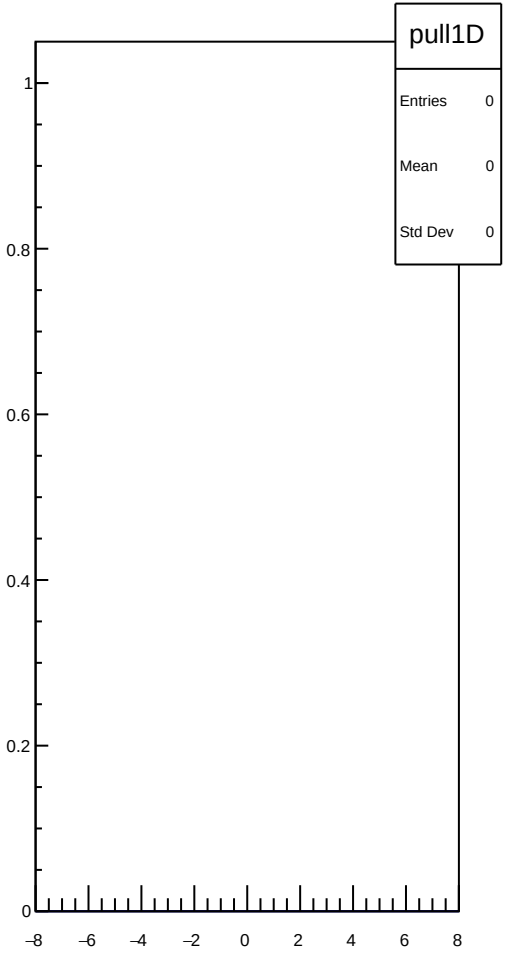

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

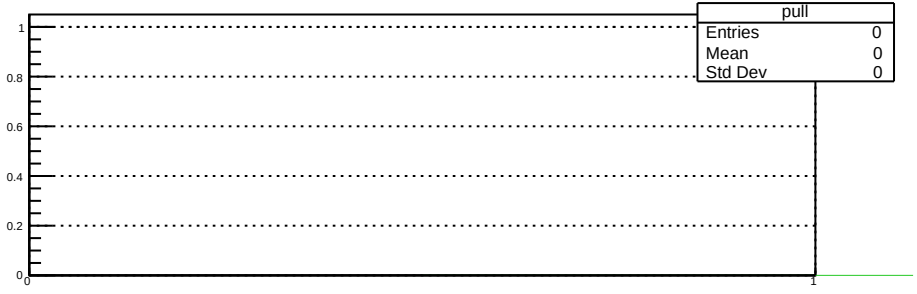

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

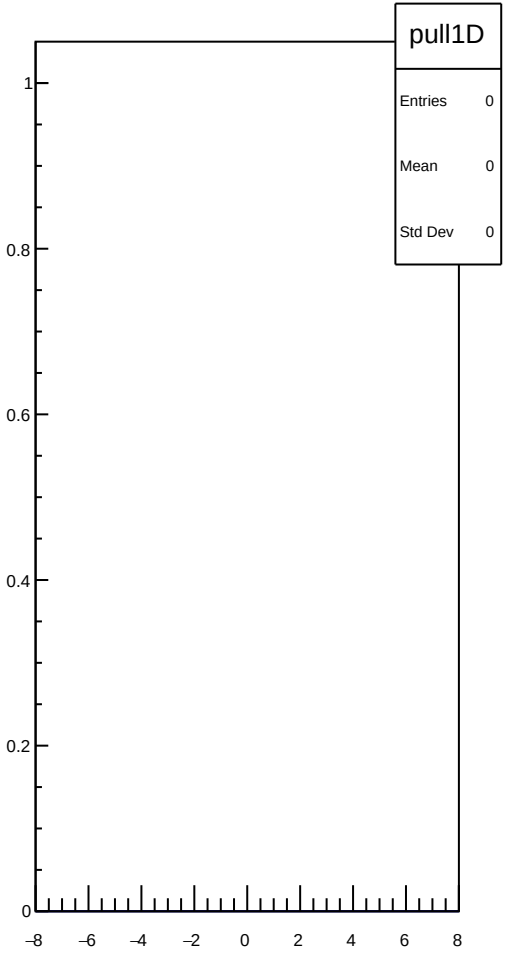

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

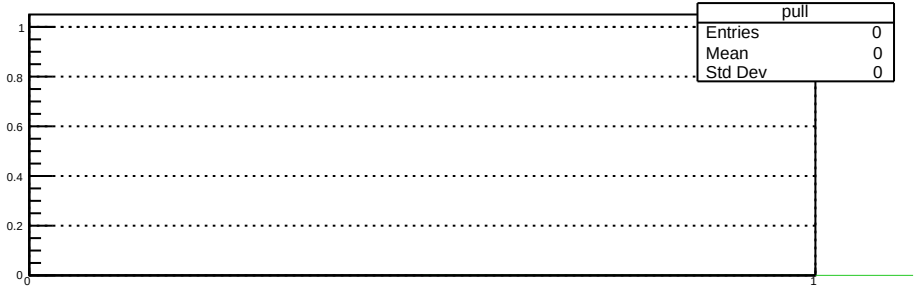

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

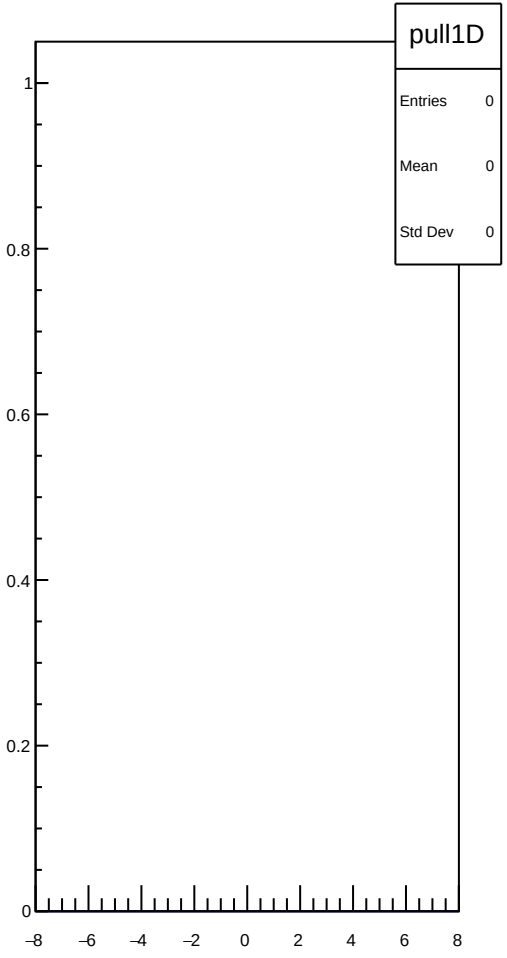

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

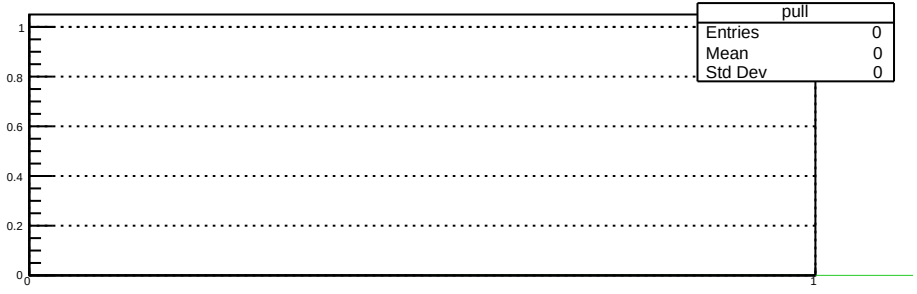

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

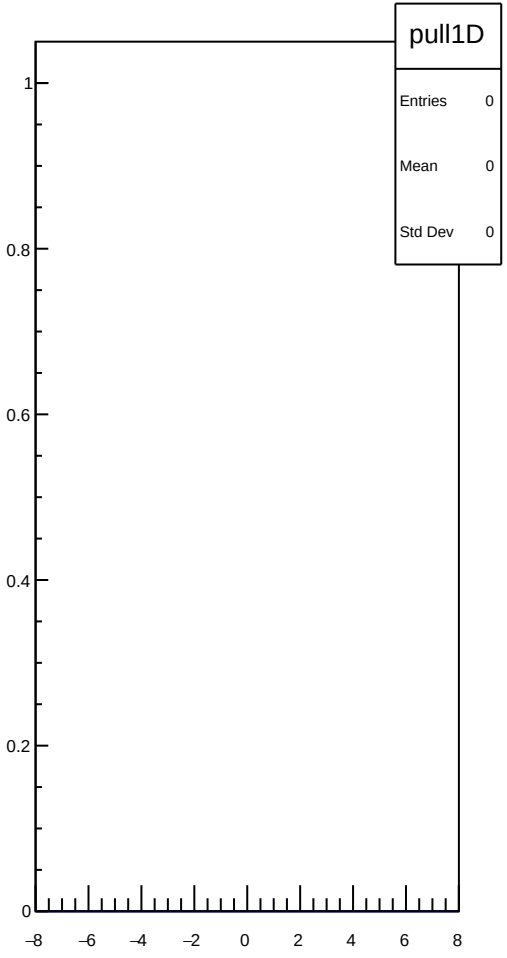

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

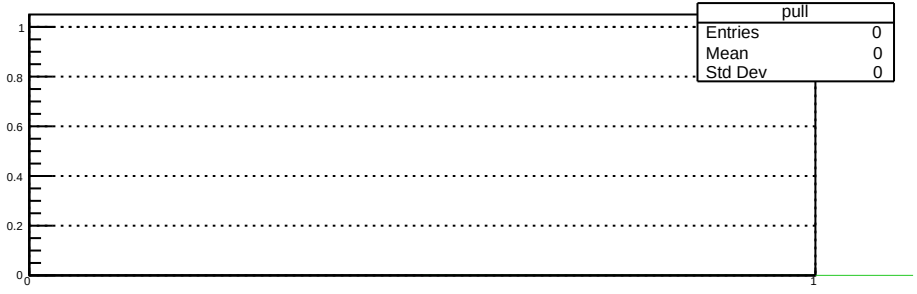

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
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–8
–6
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–2
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2
4
6
8

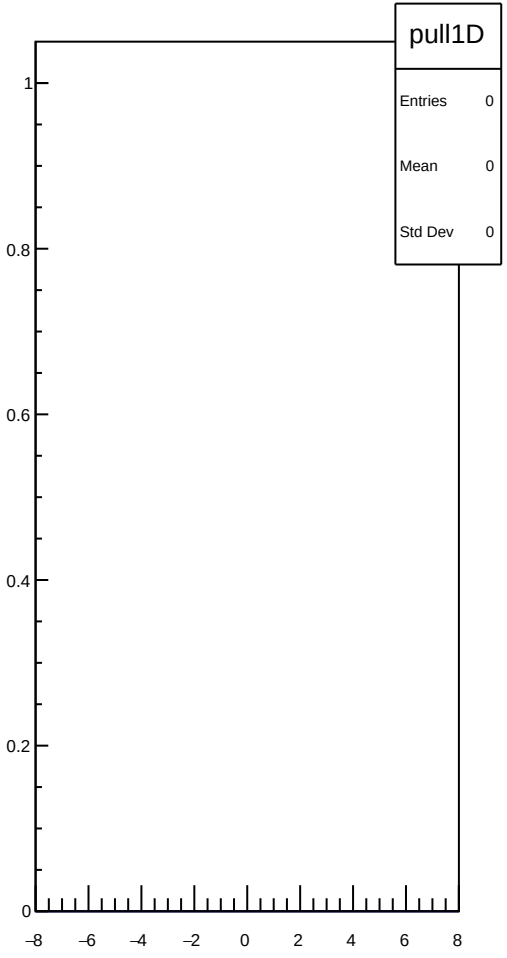

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

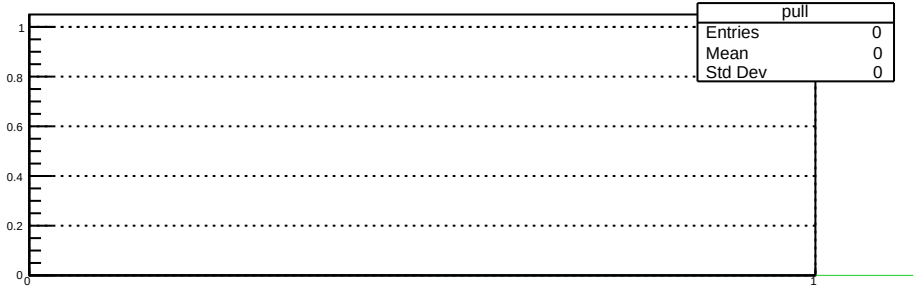

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

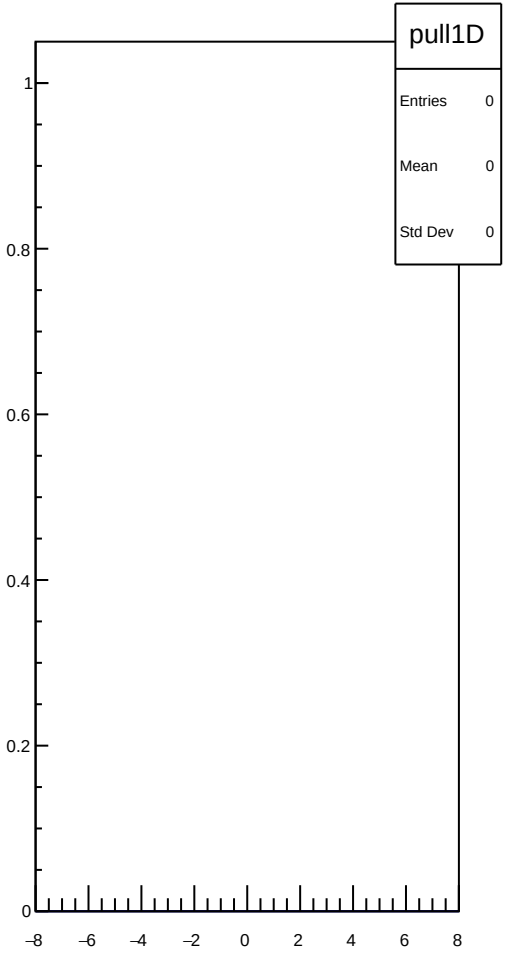

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

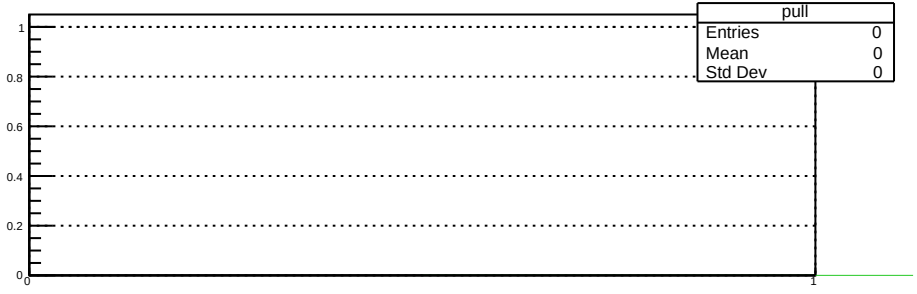

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

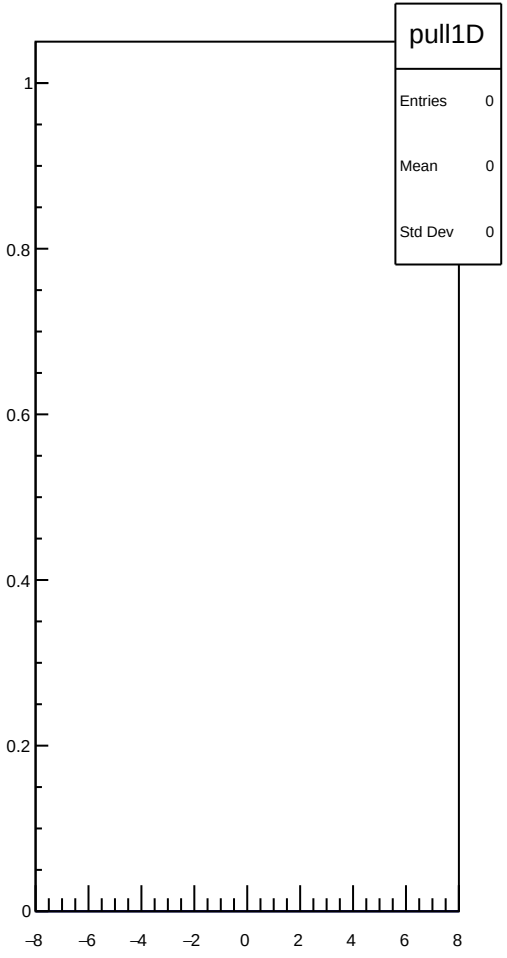

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

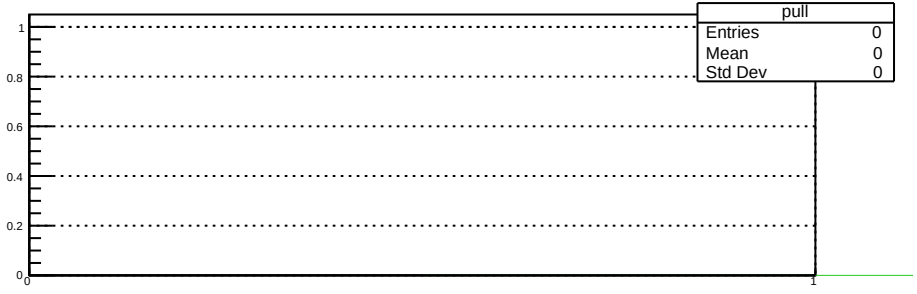

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

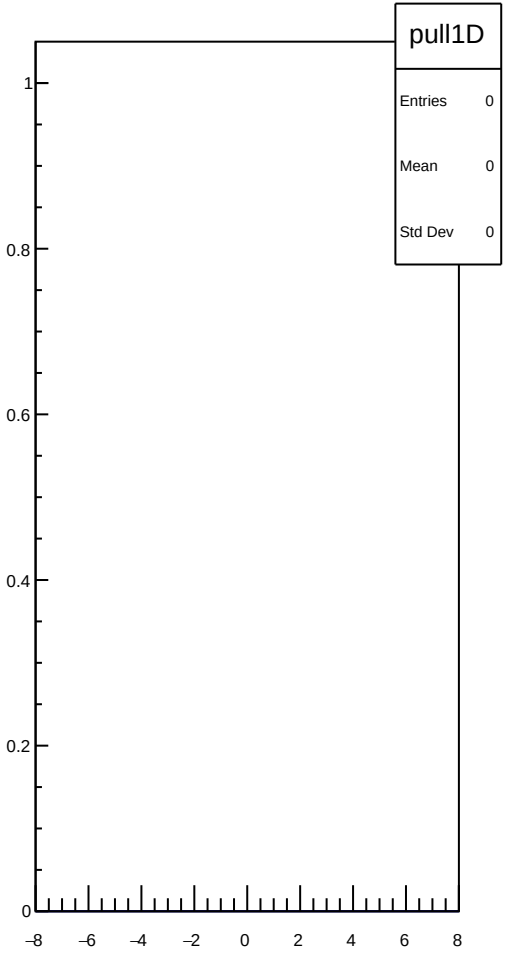

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

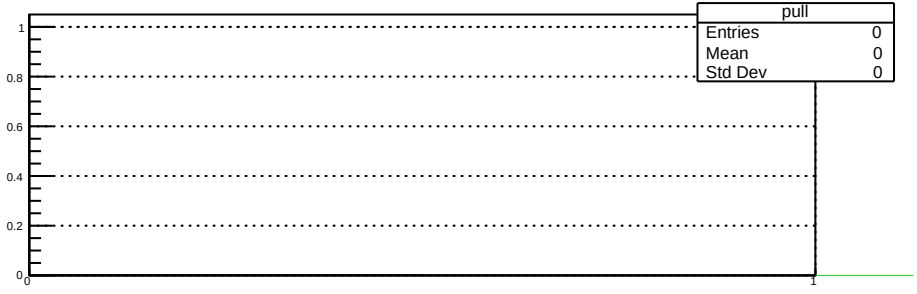

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

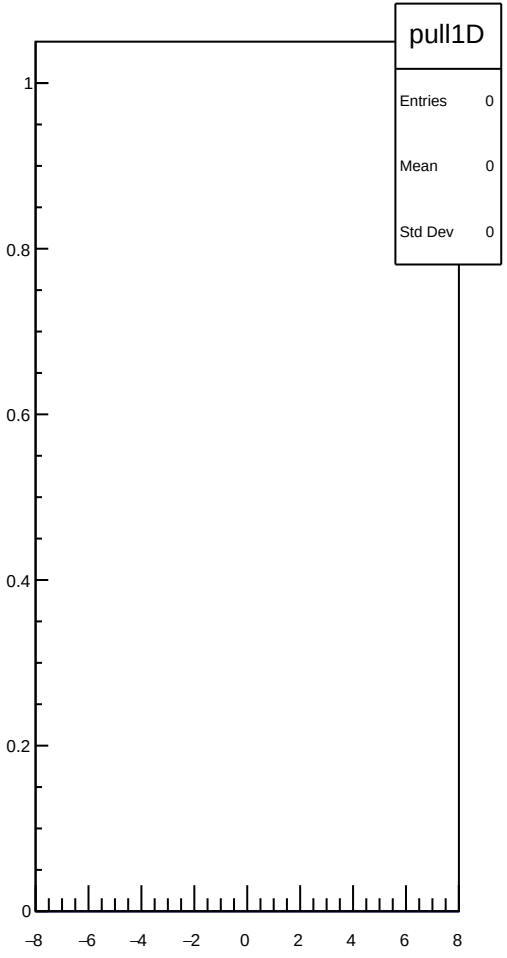

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

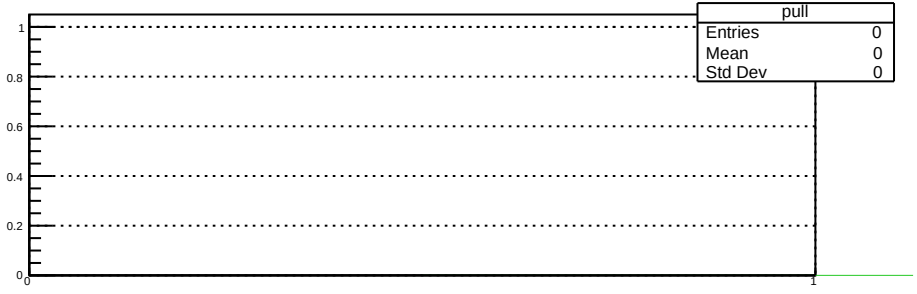

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

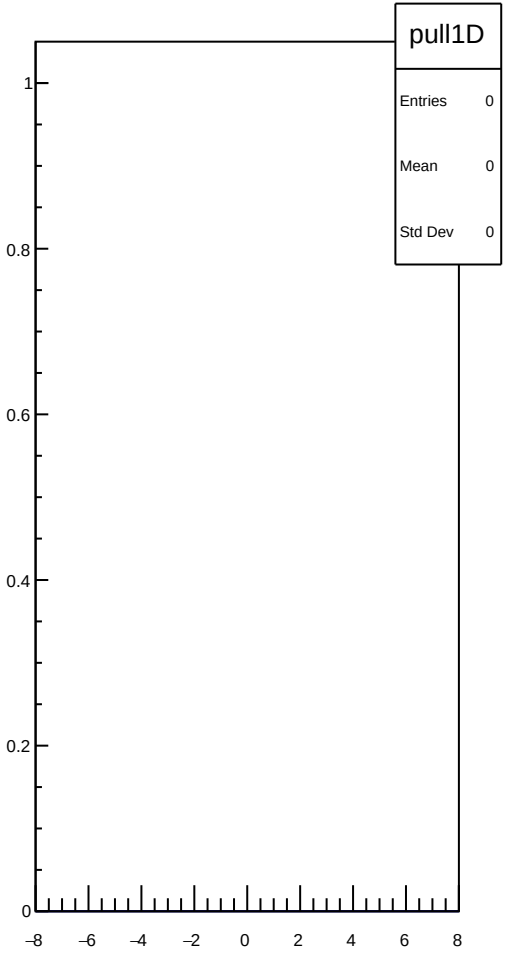

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

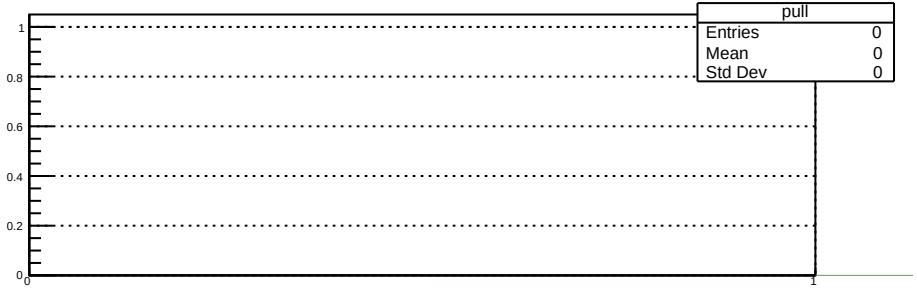

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

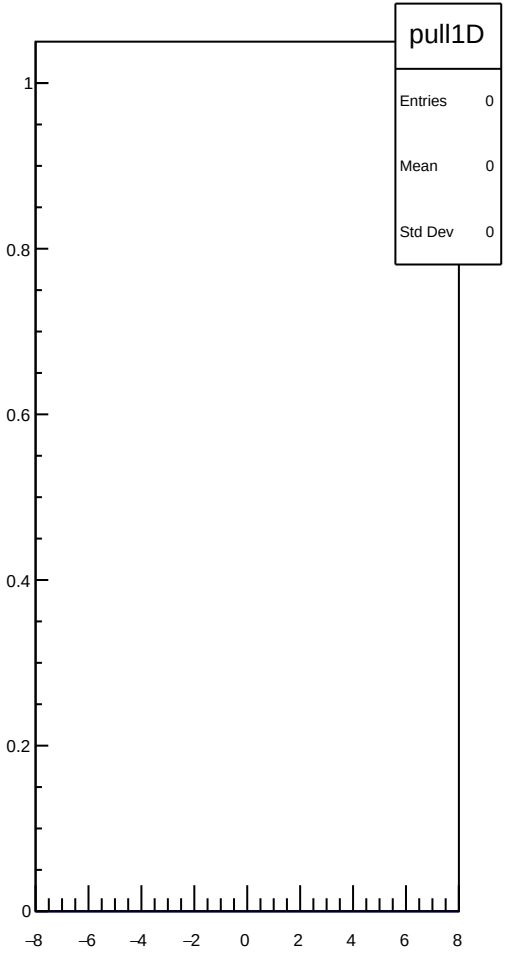

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
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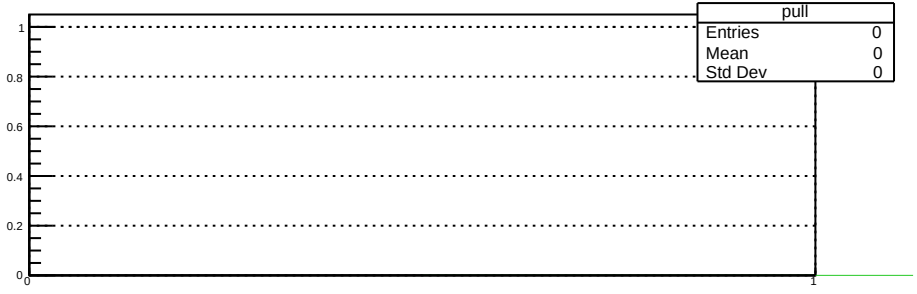

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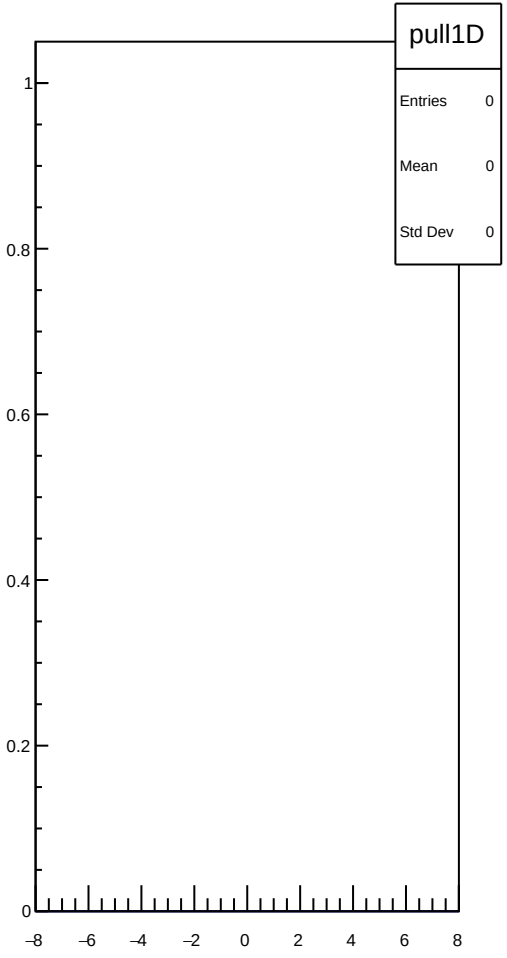

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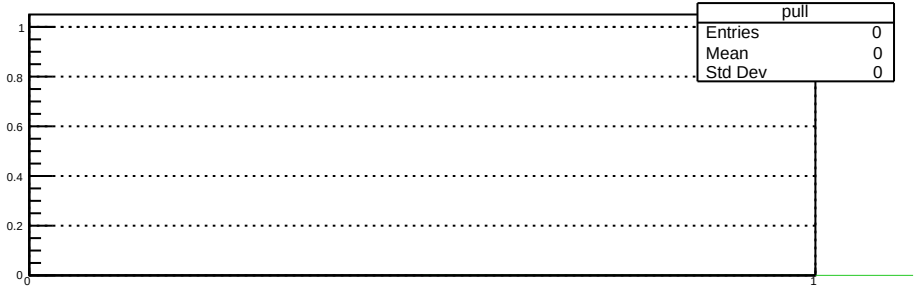

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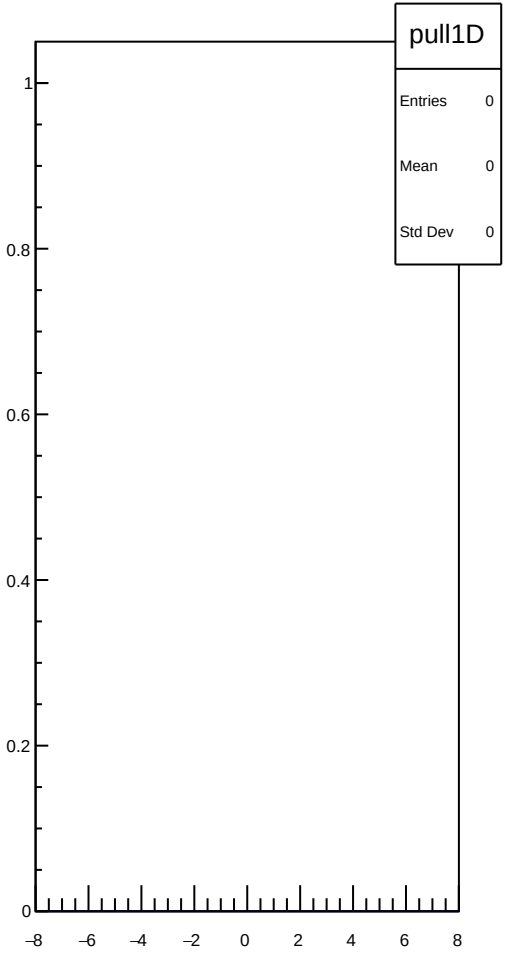

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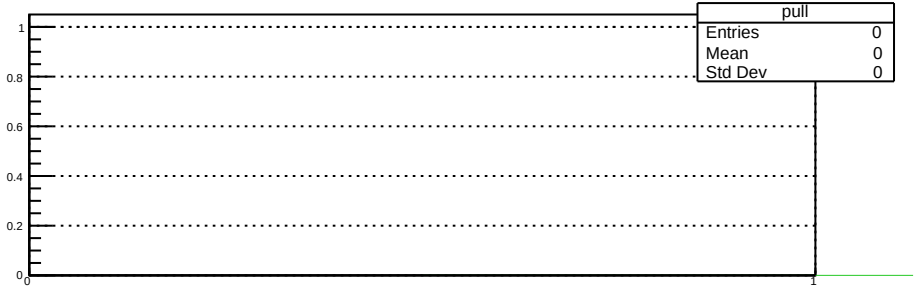

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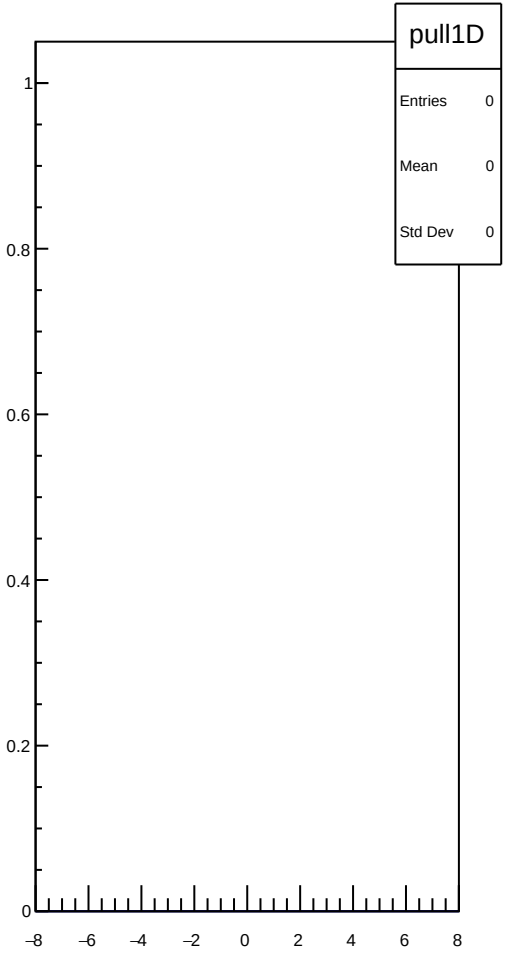

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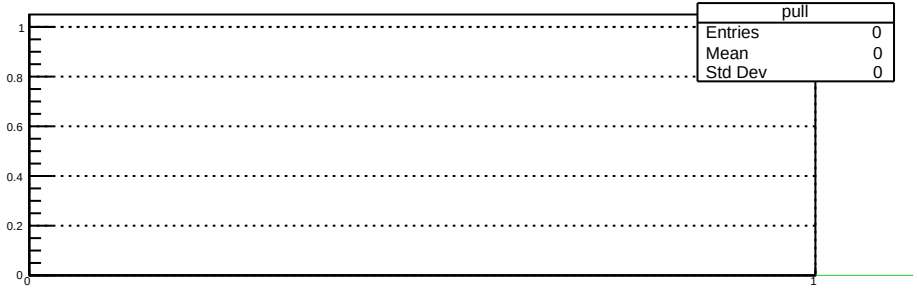

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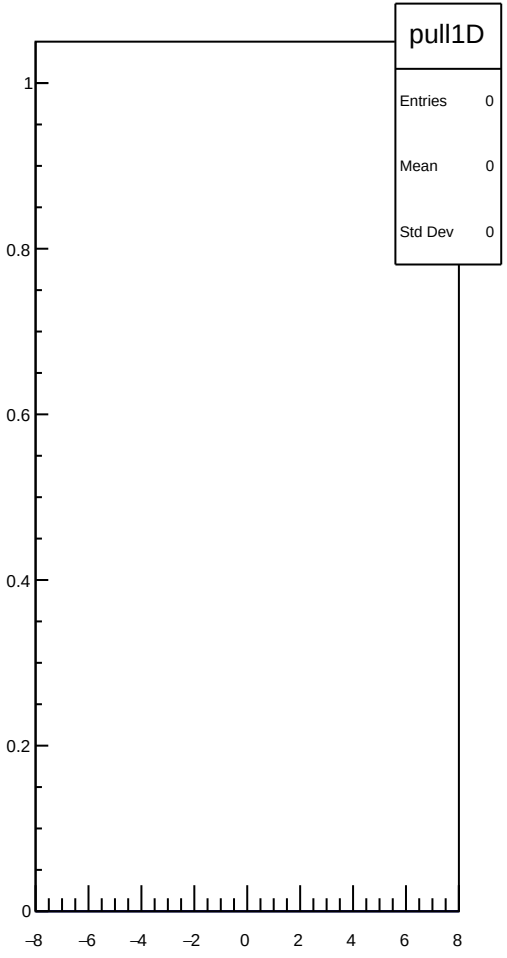

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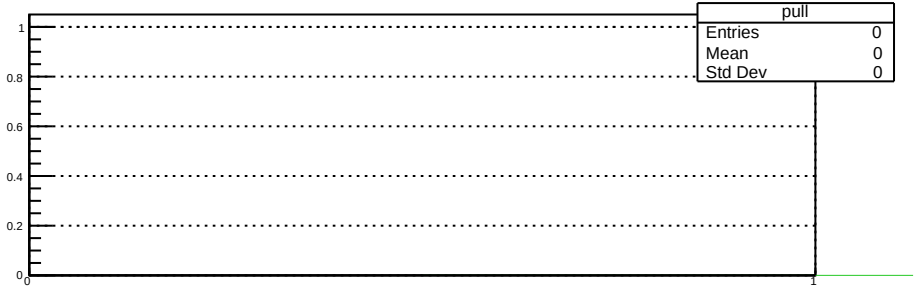

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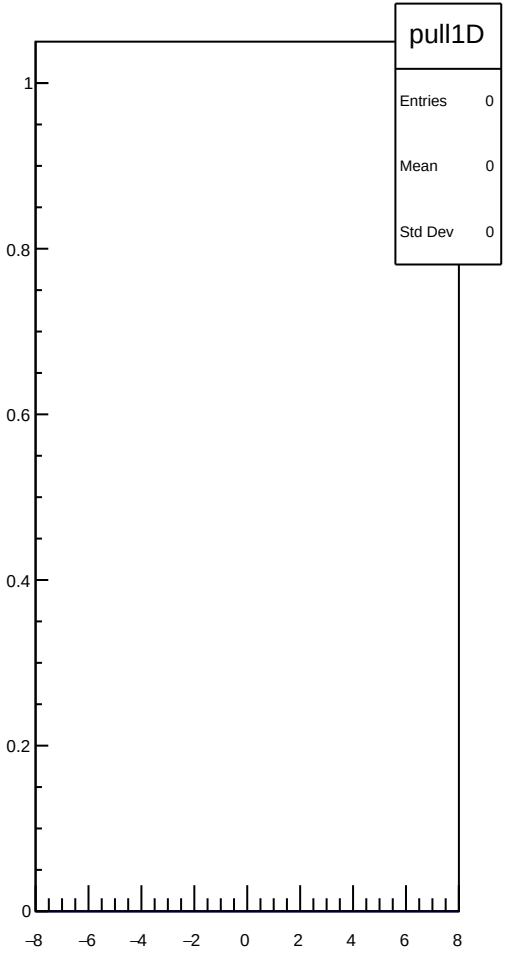

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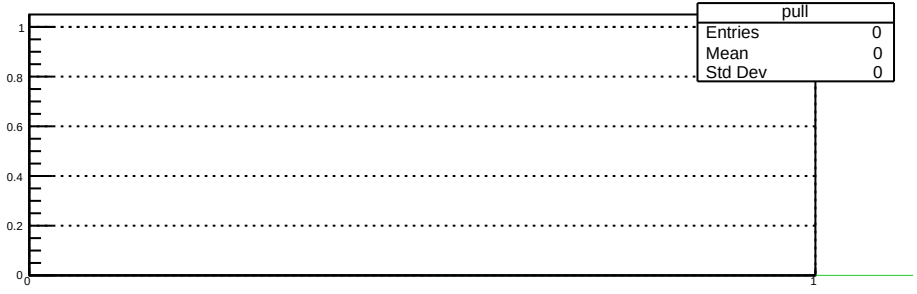

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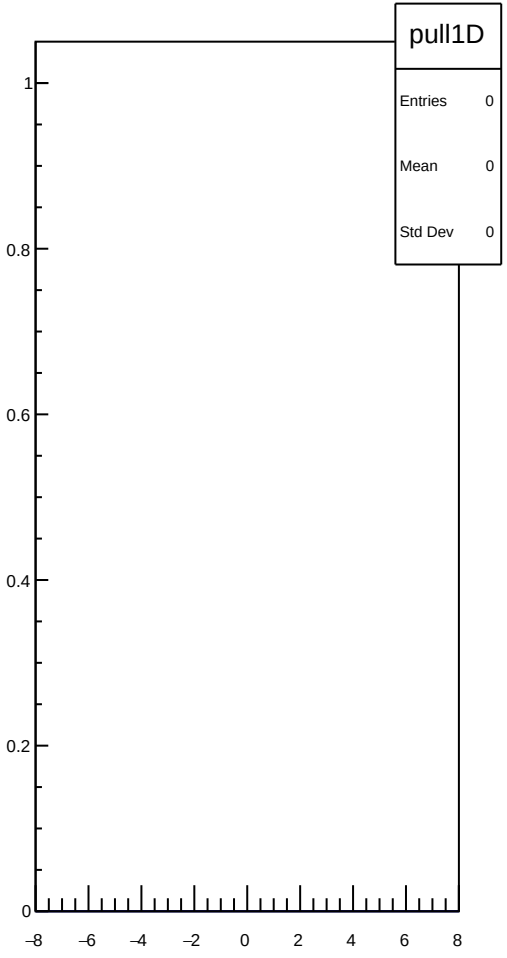

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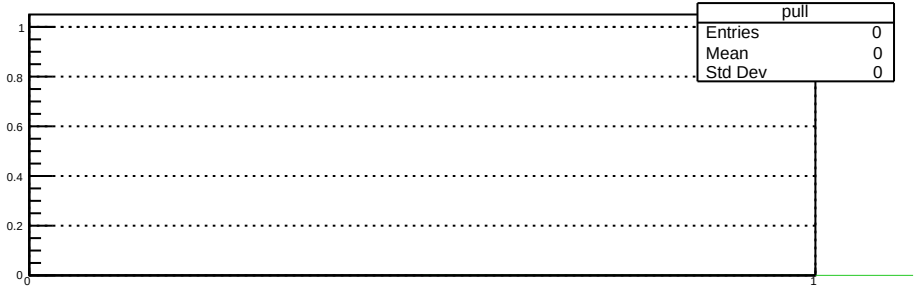

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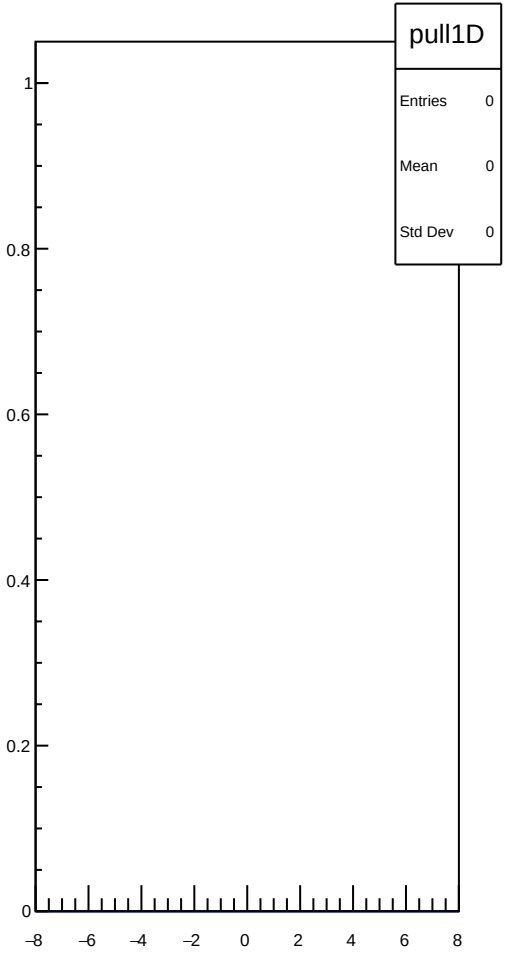

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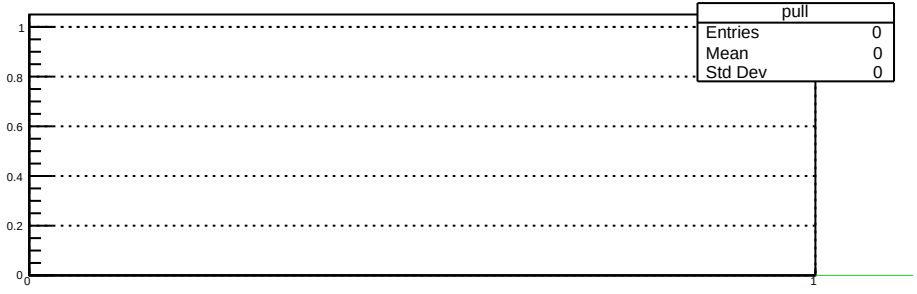

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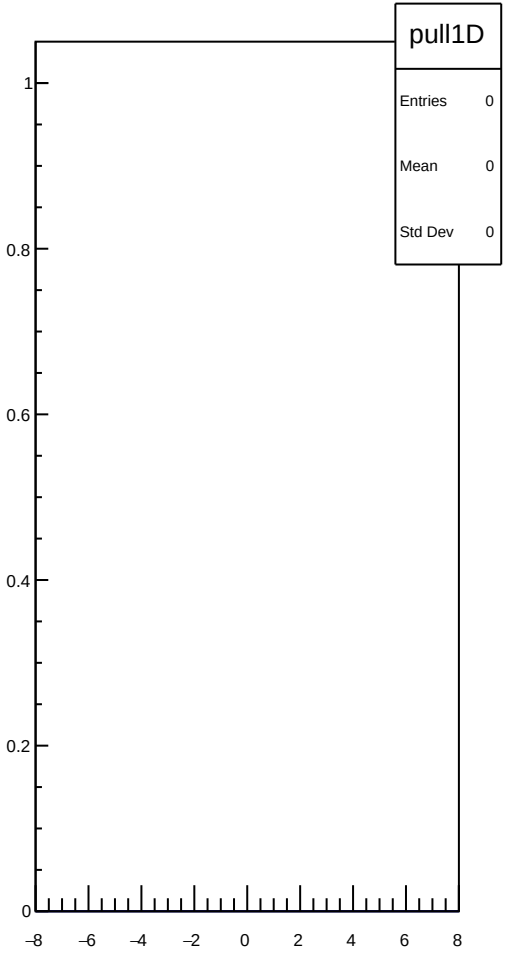

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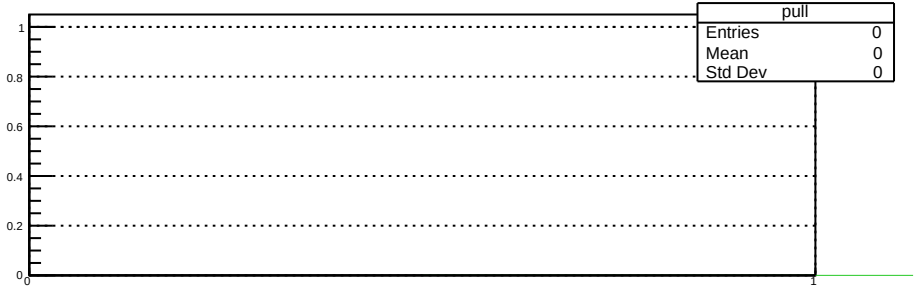

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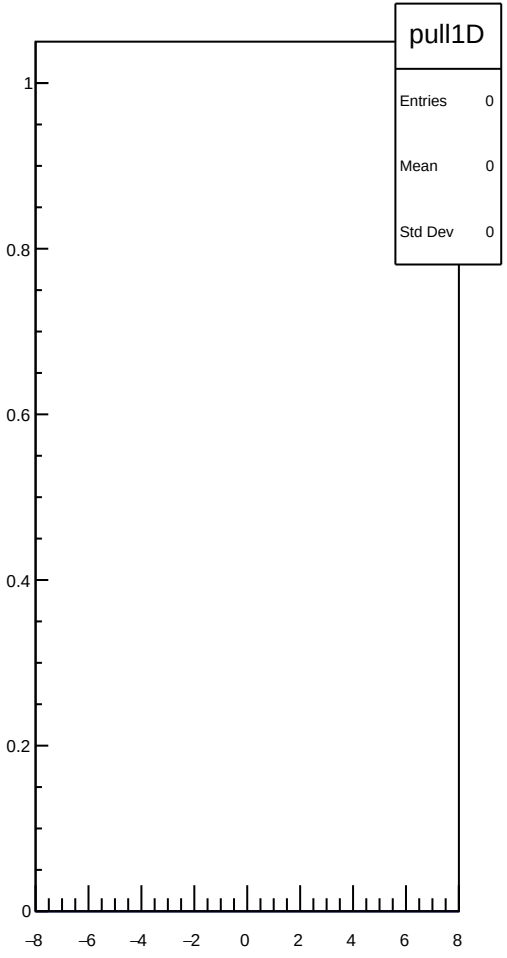

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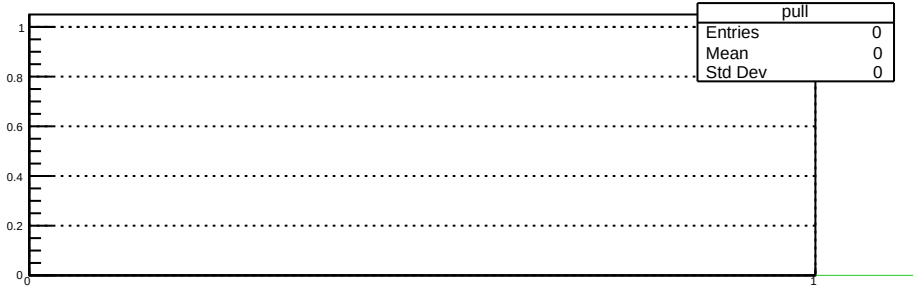

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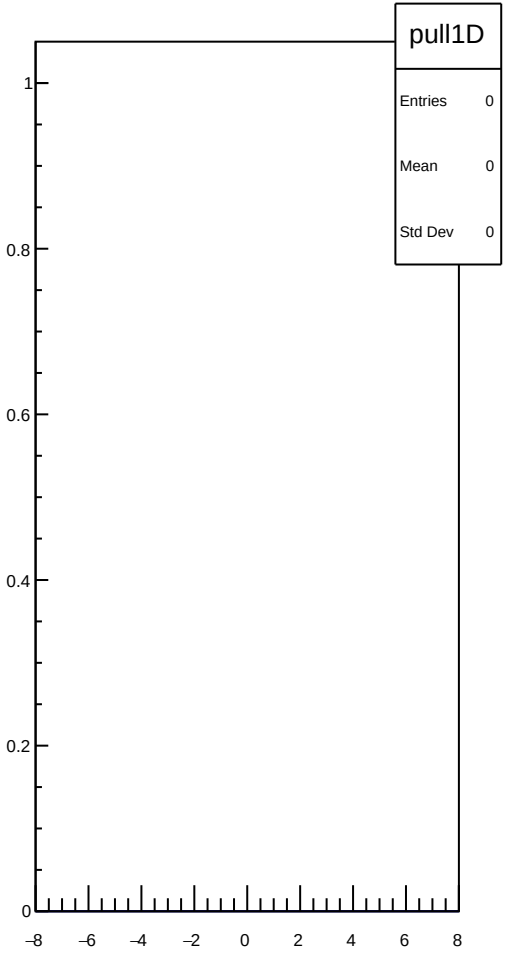

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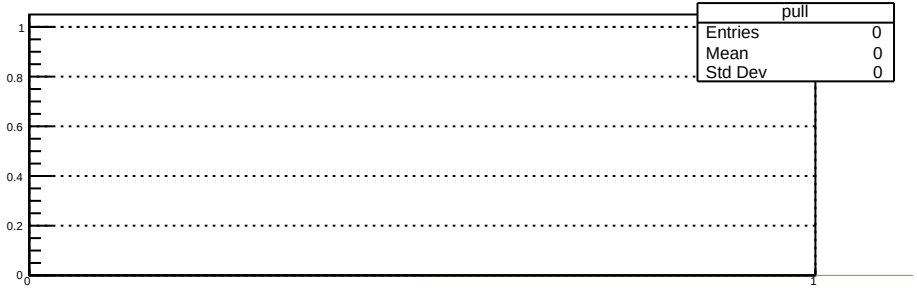

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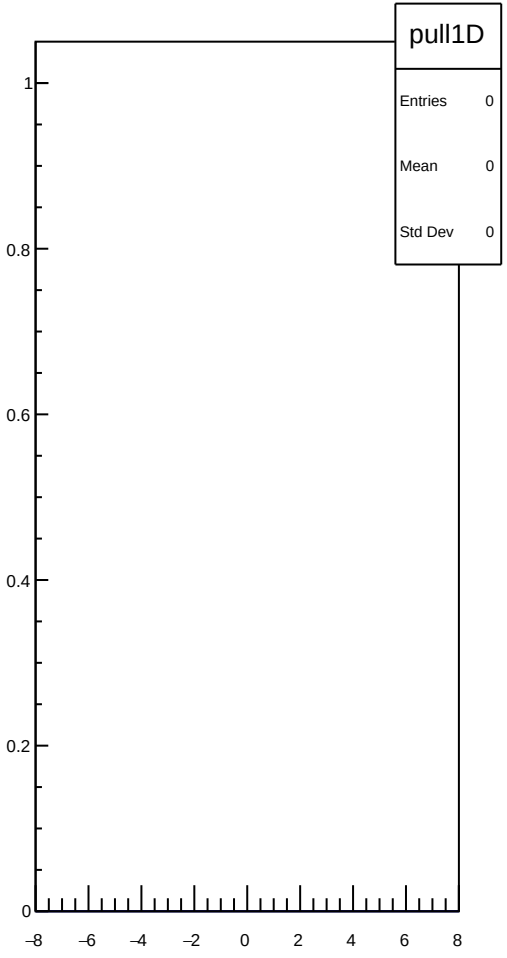

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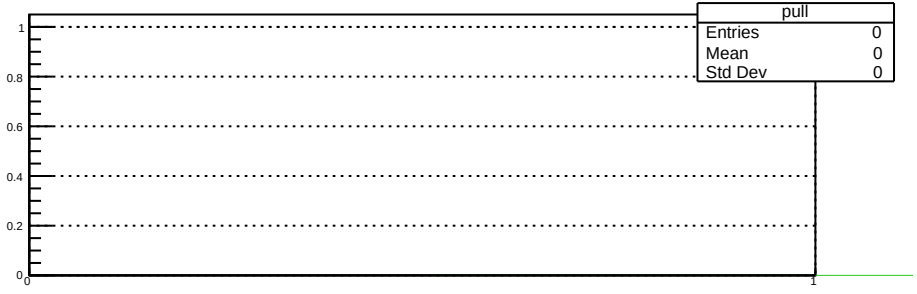

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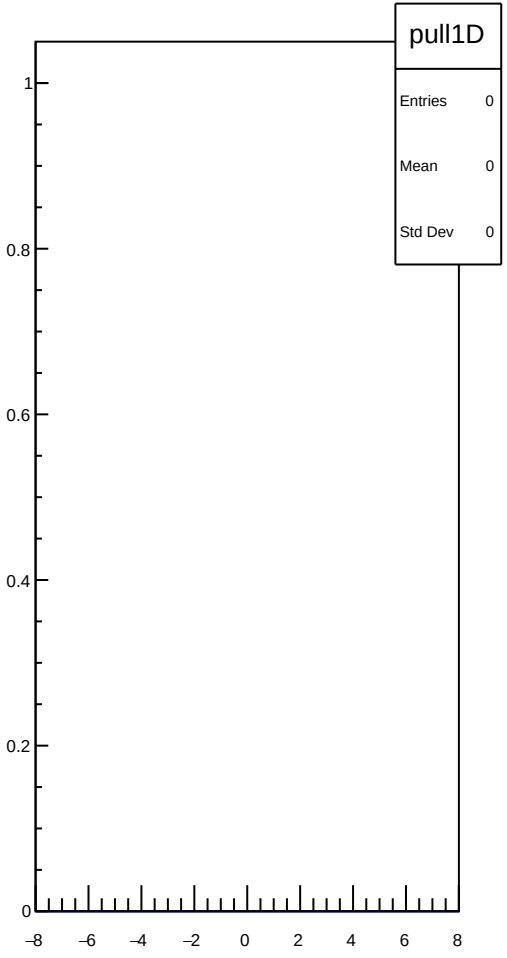

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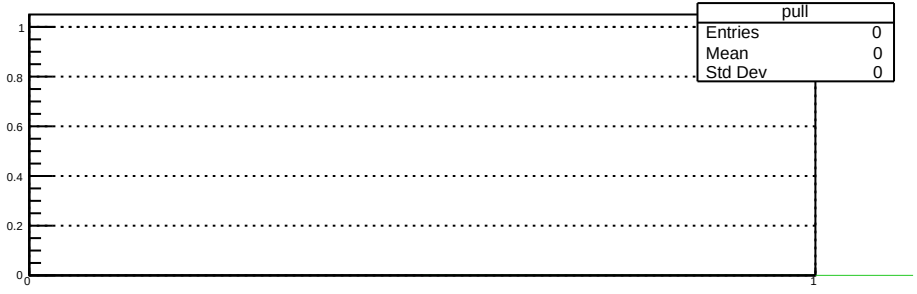

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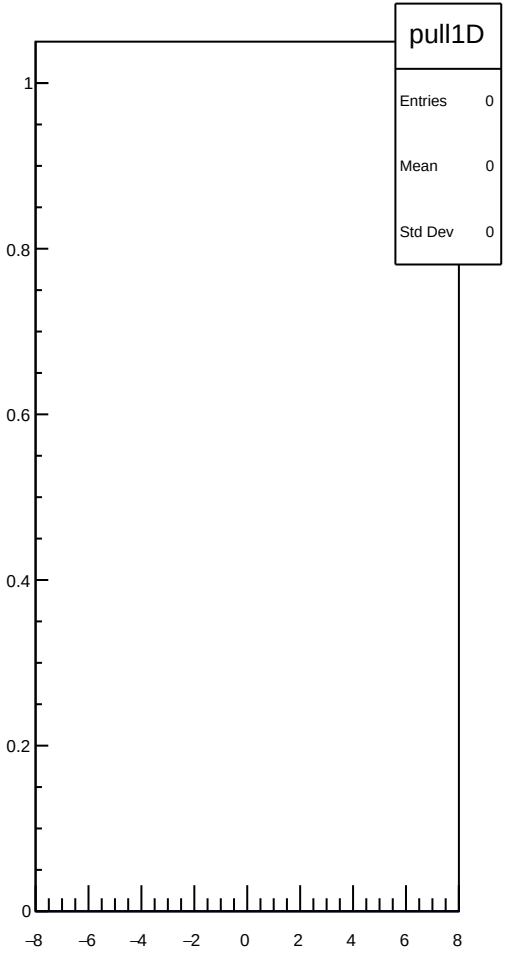

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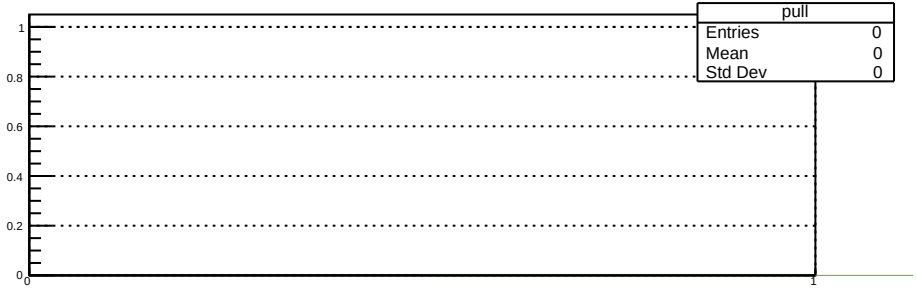

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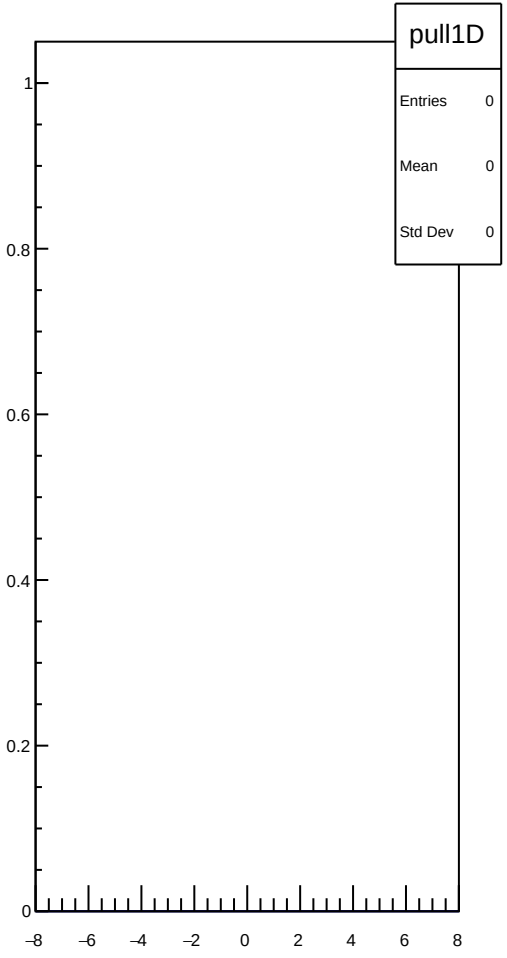

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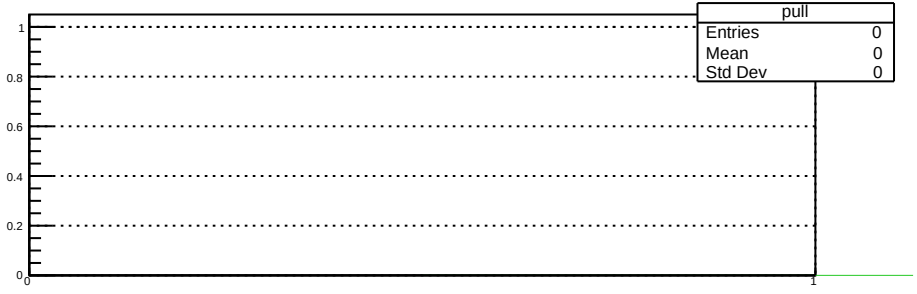

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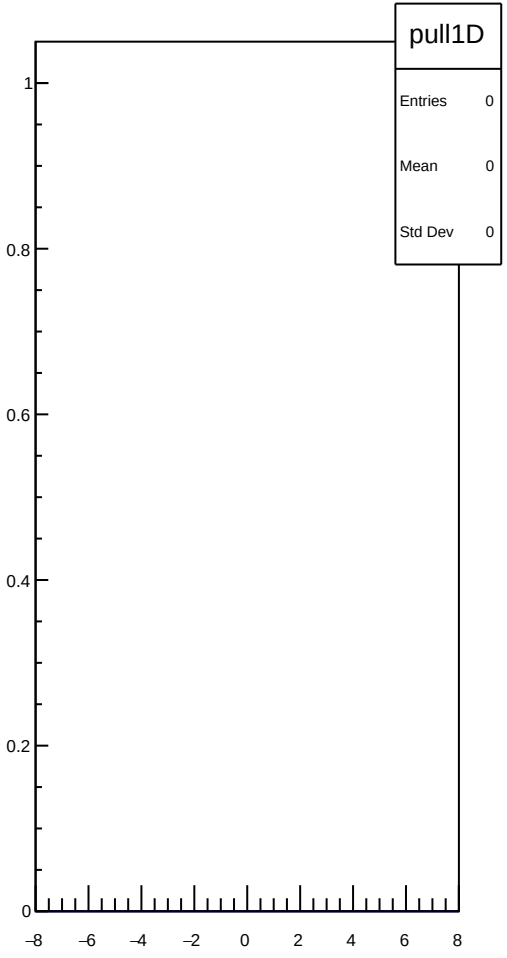

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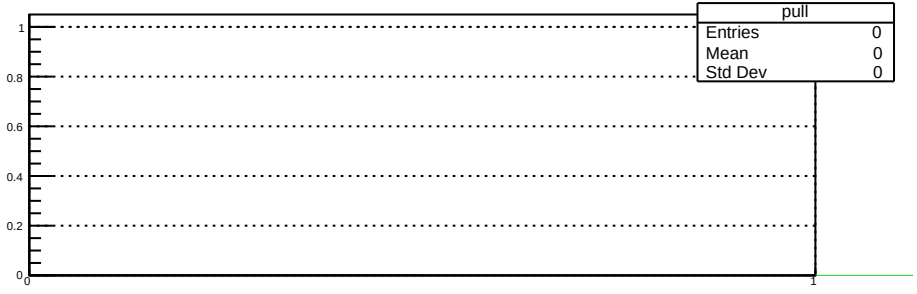

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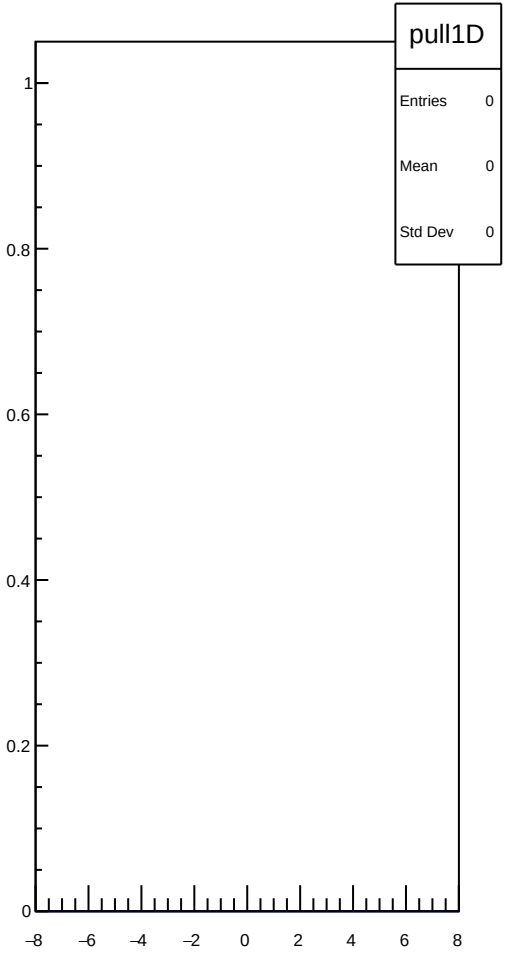

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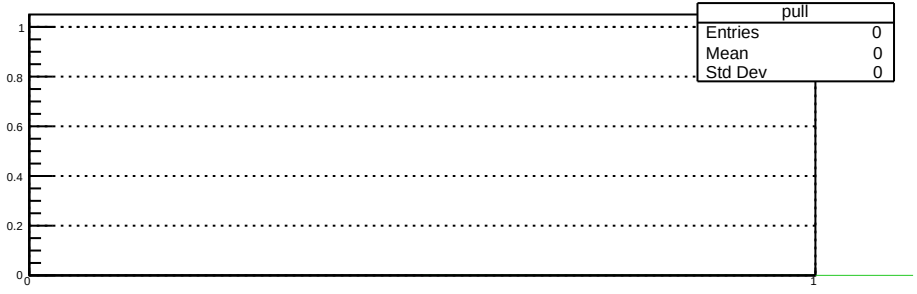

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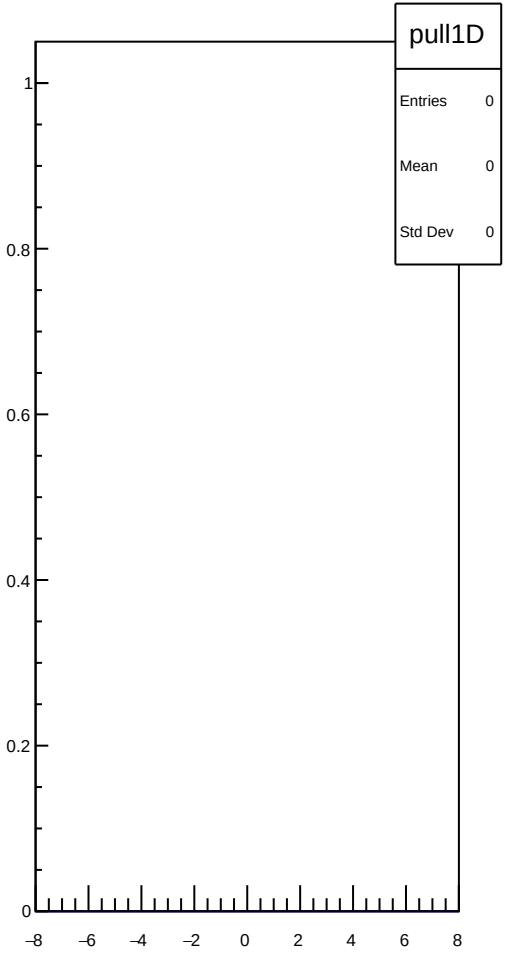

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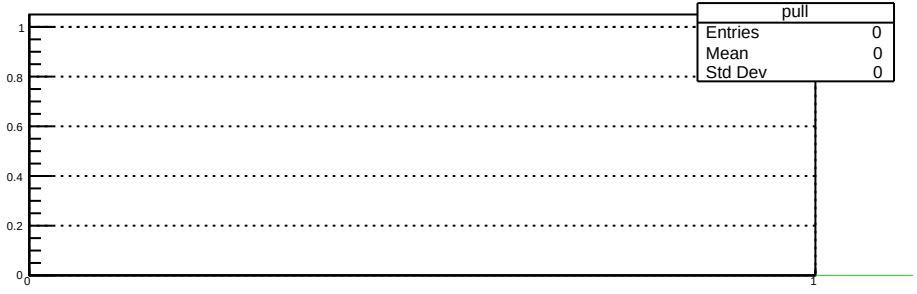

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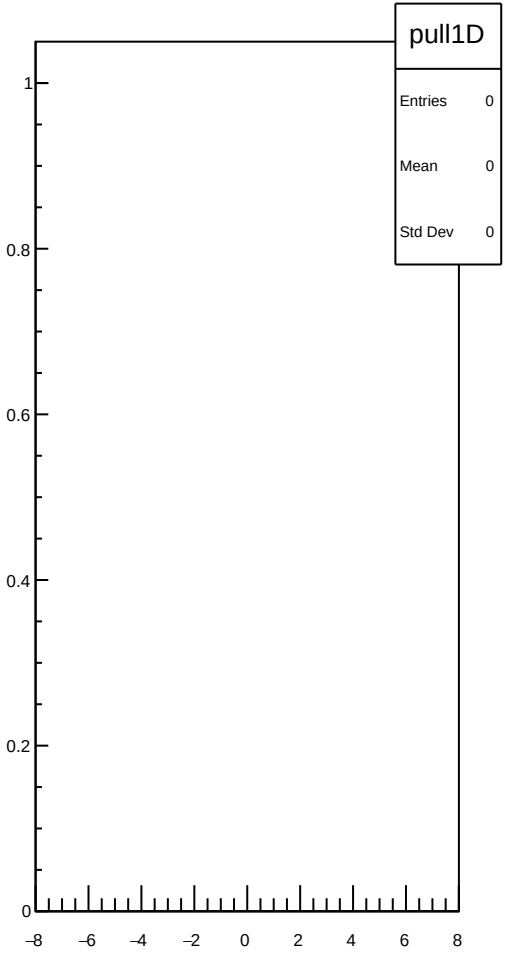

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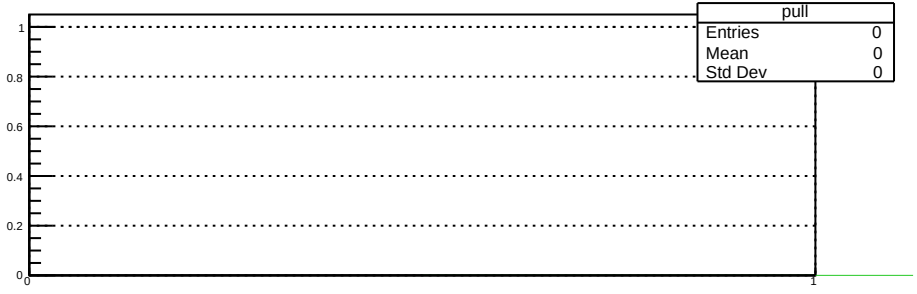

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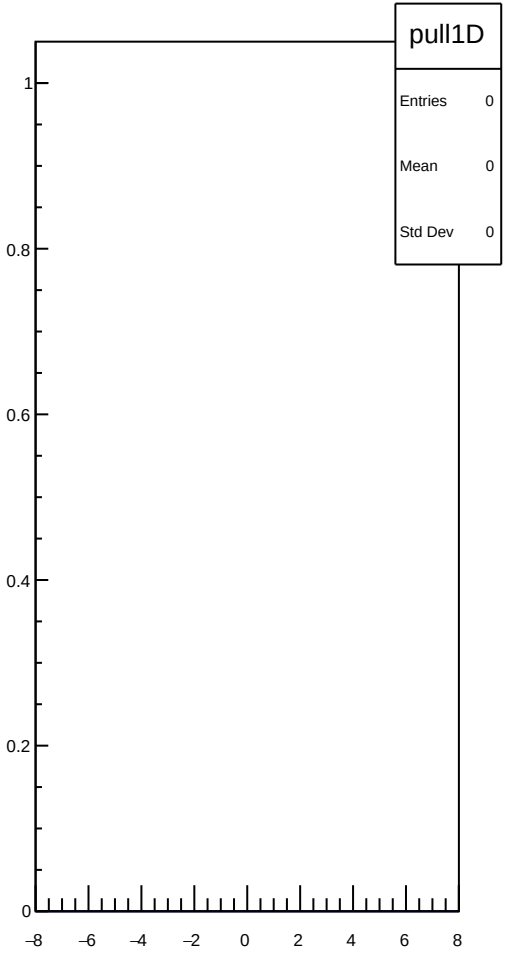

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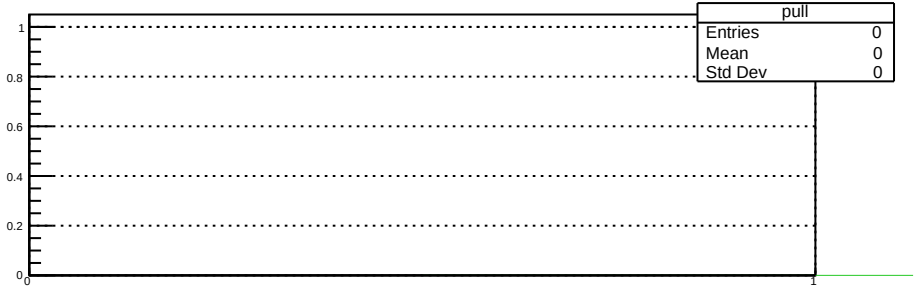

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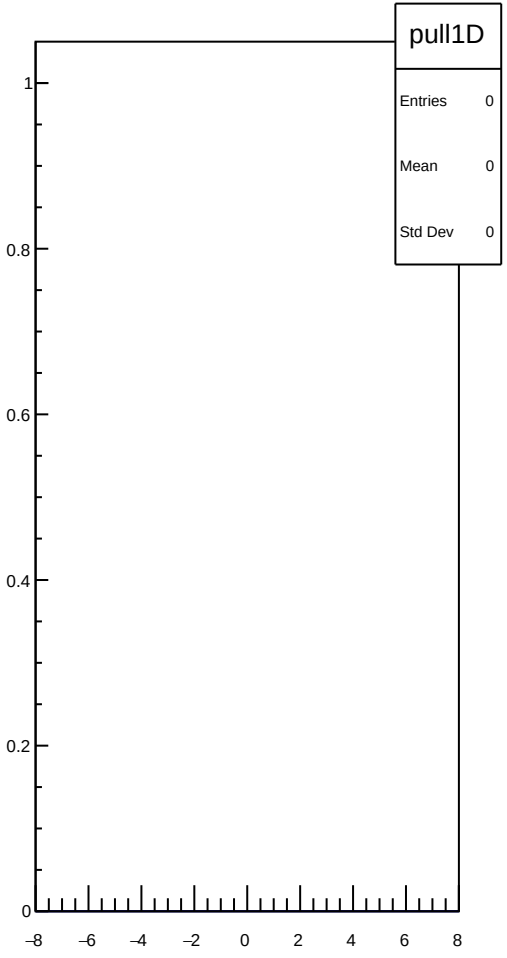

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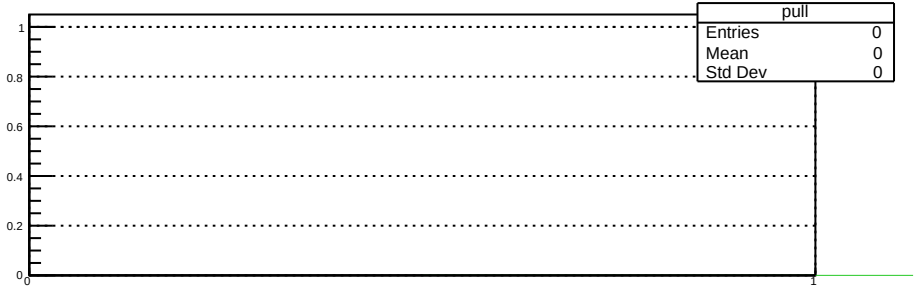

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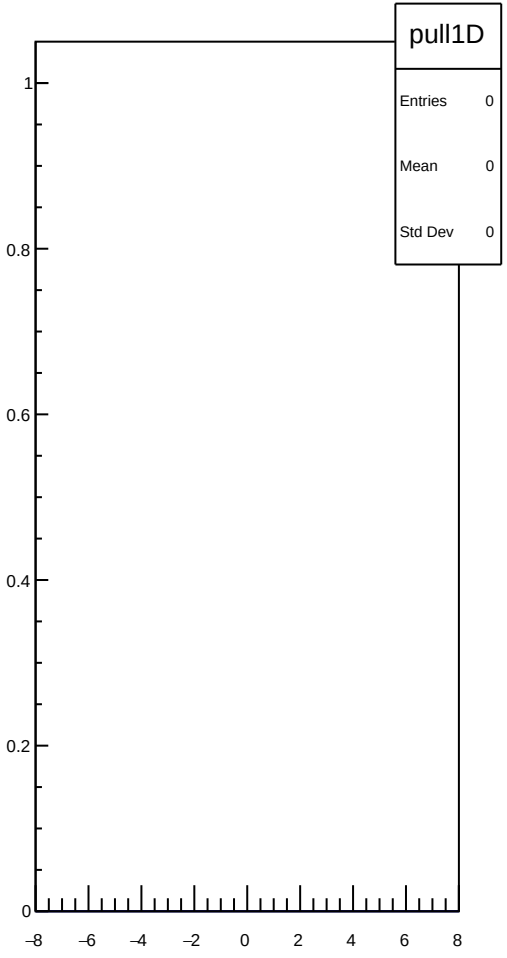

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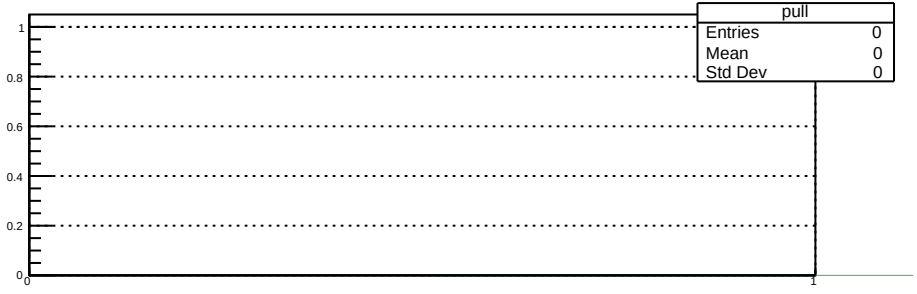

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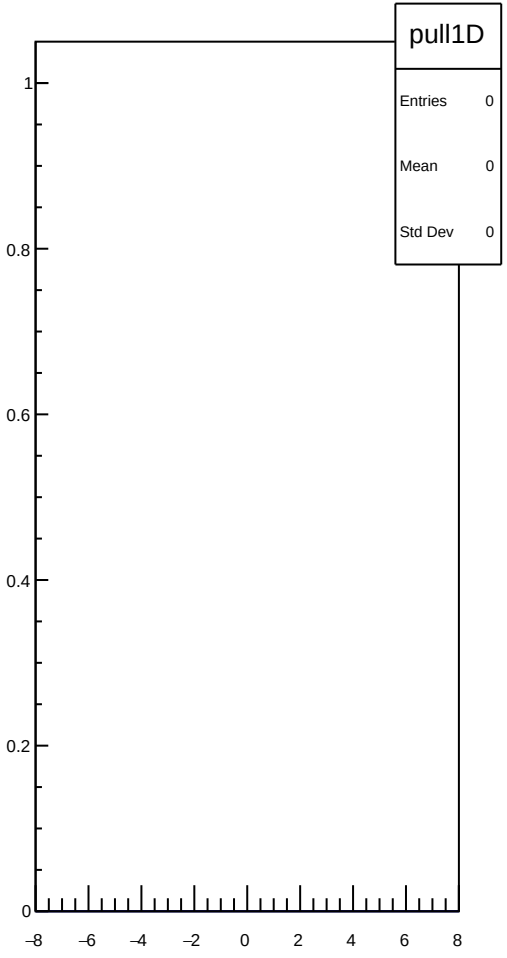

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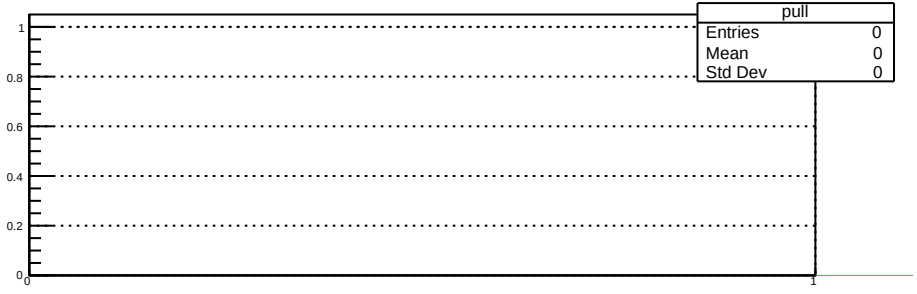

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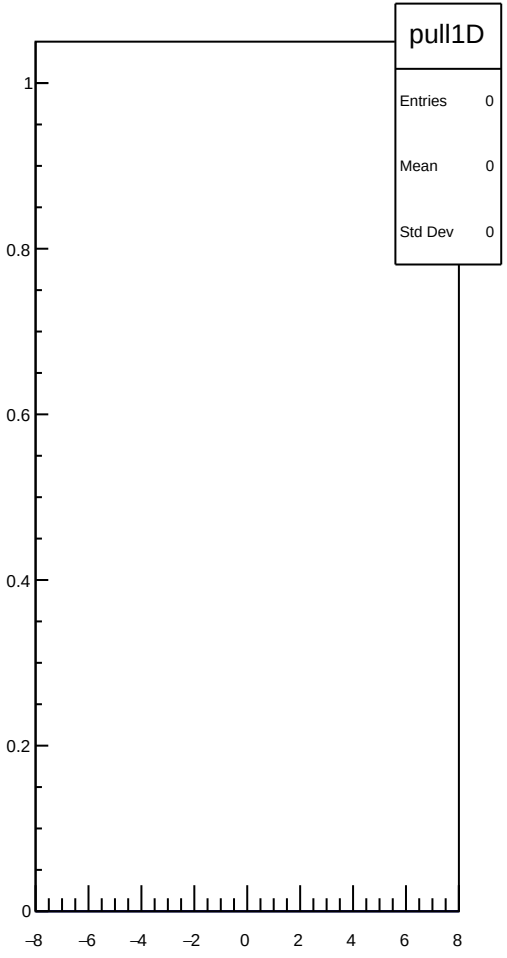

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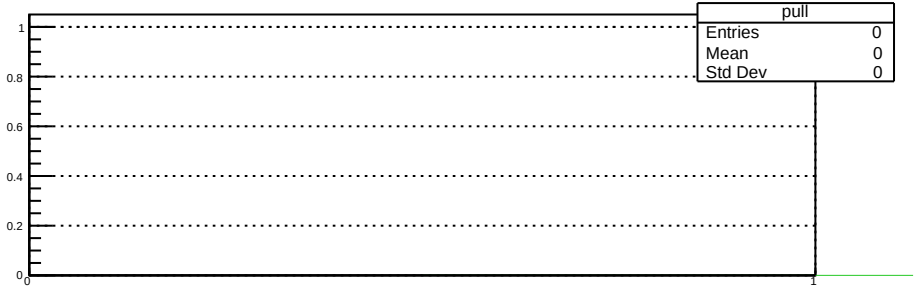

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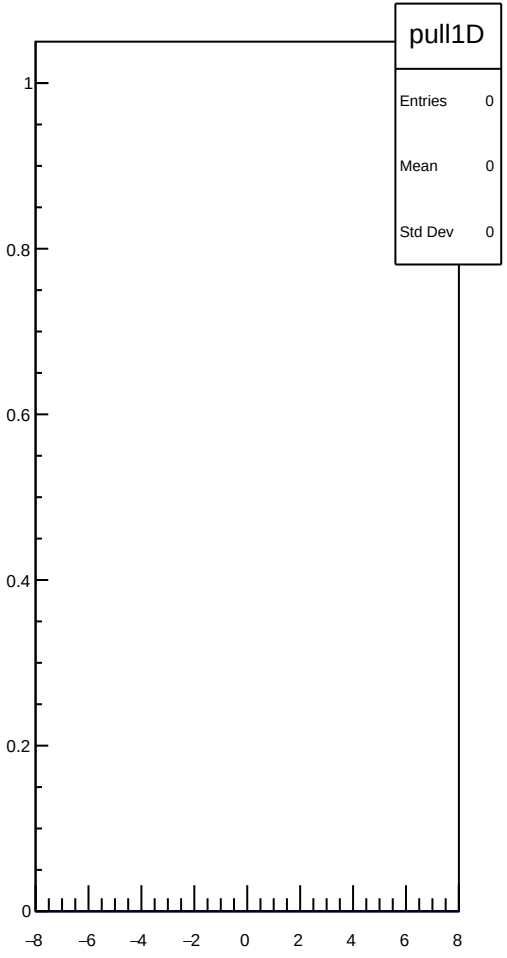

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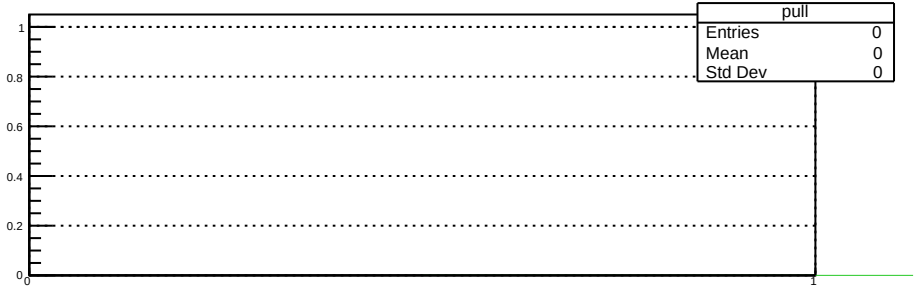

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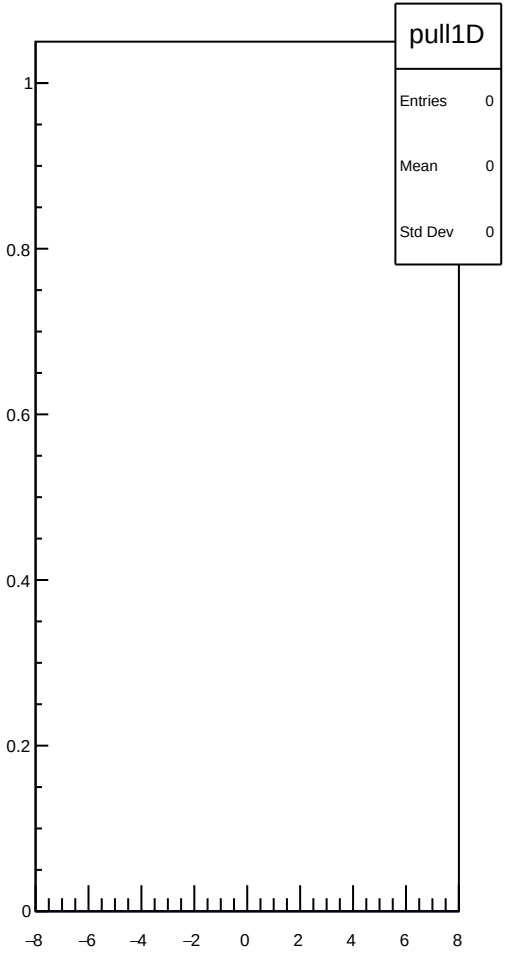

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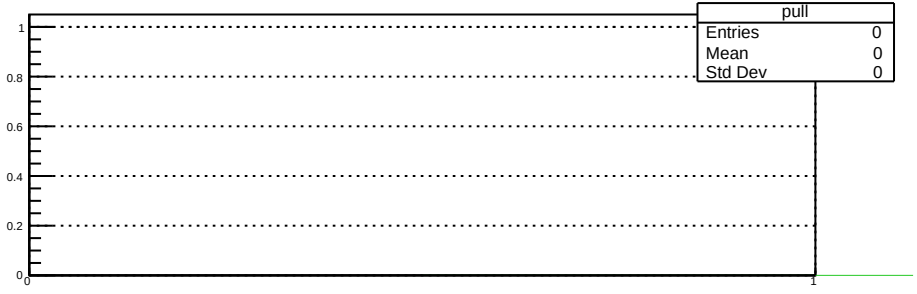

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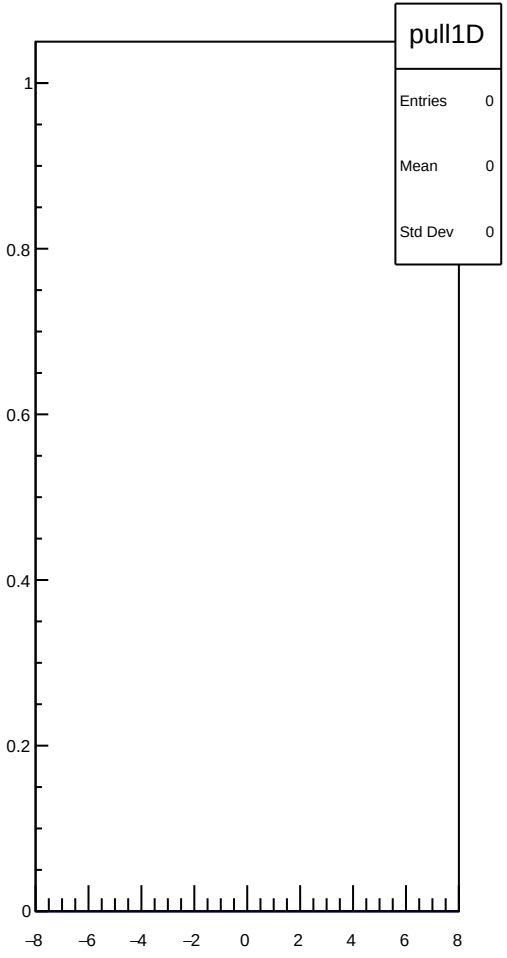

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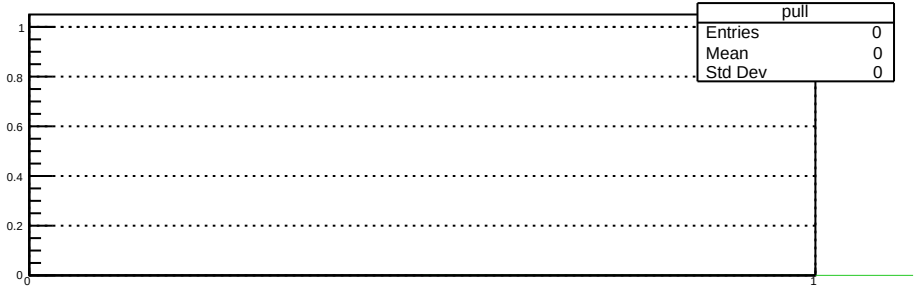

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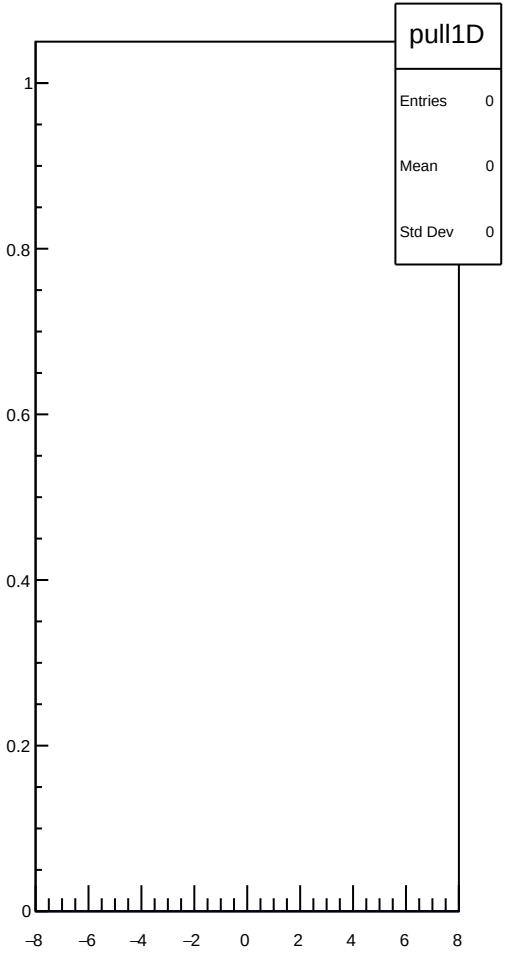

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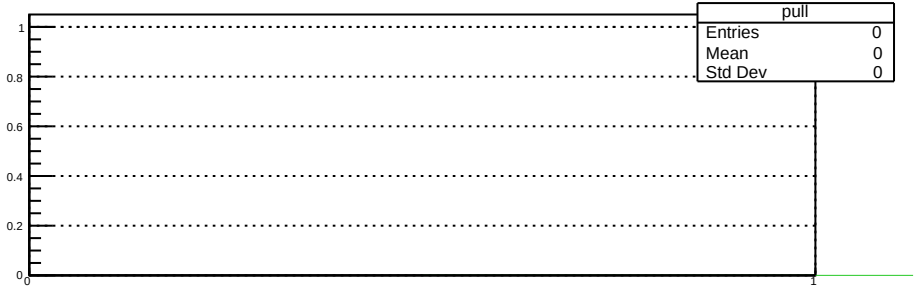

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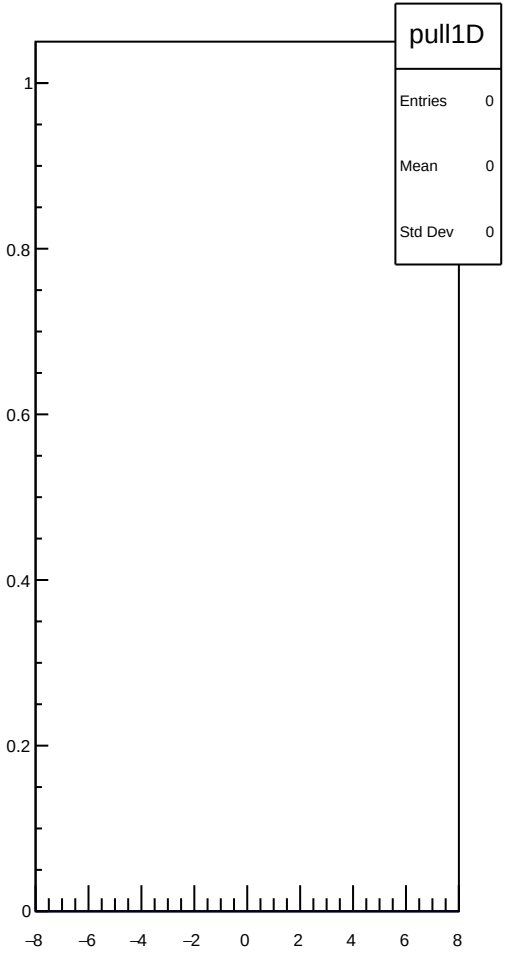

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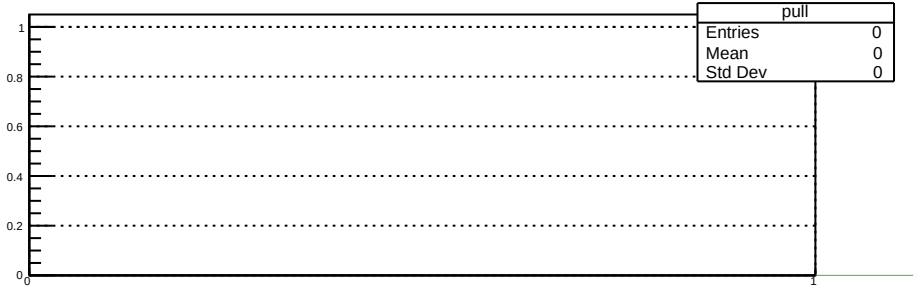

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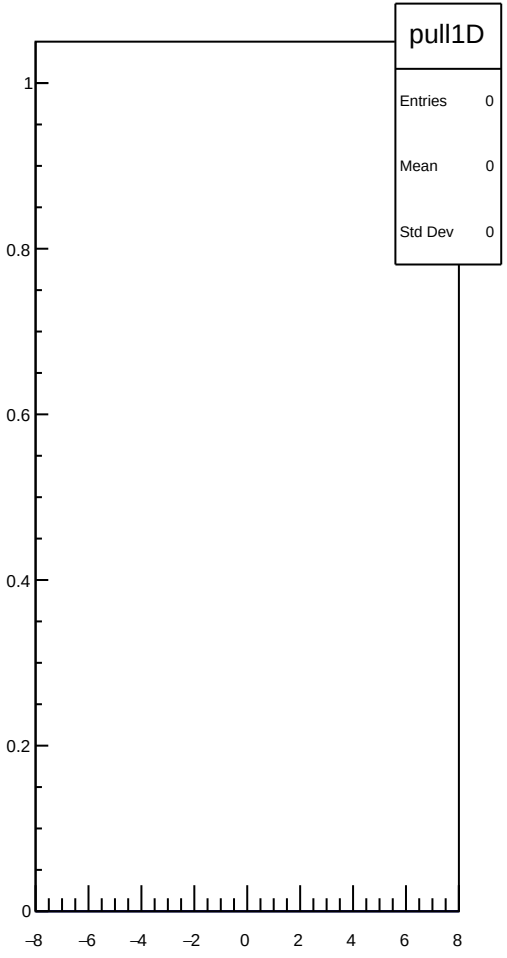

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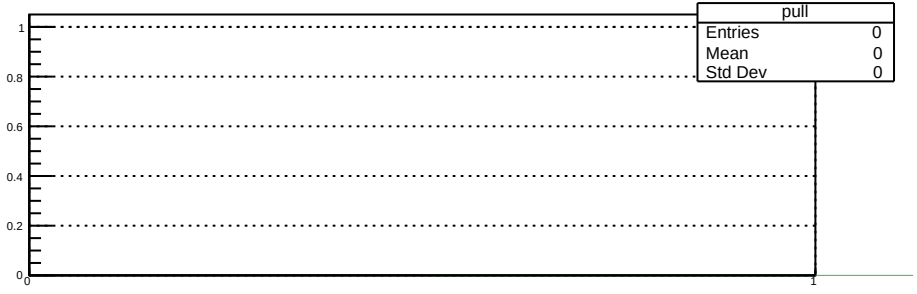

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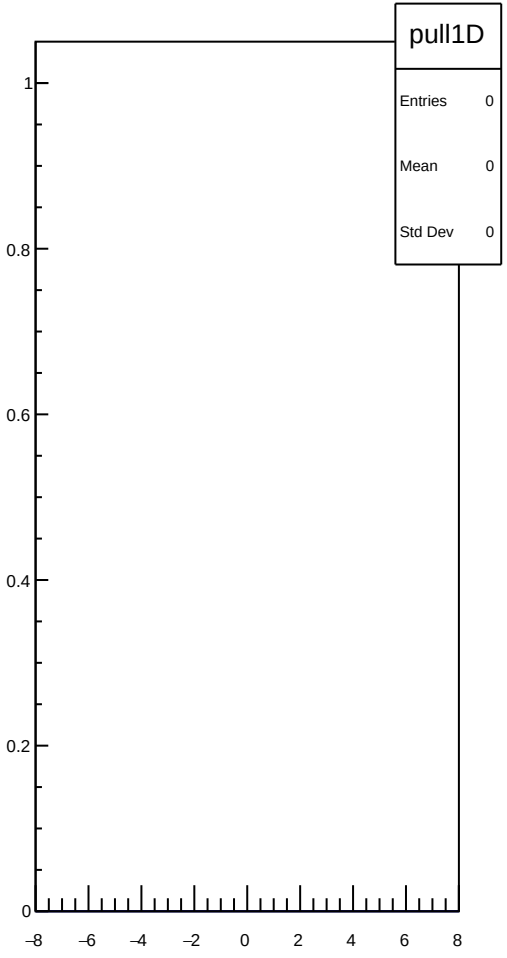

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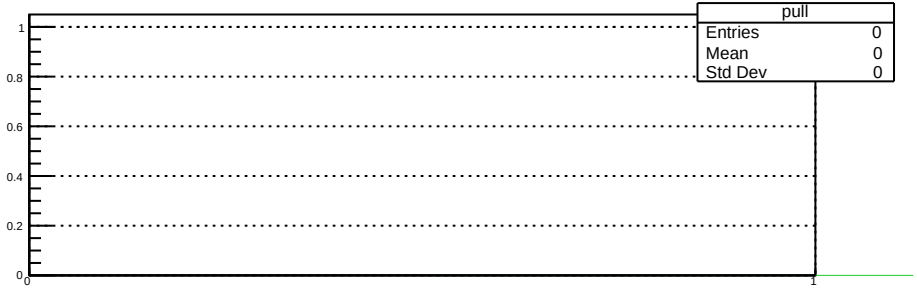

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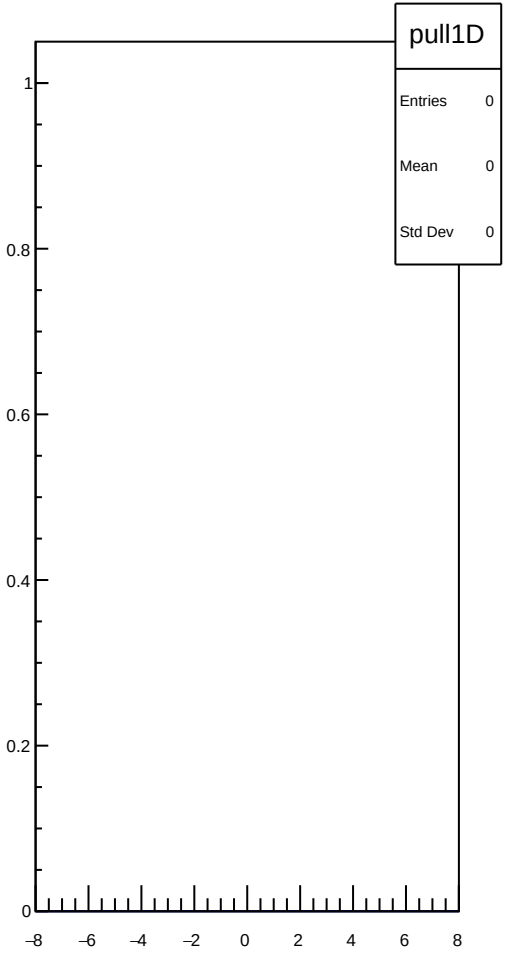

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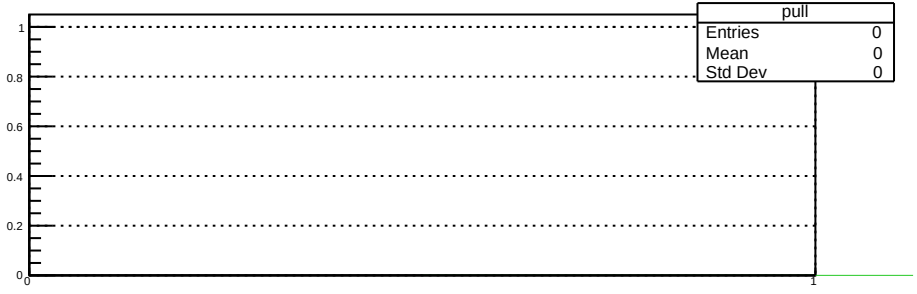

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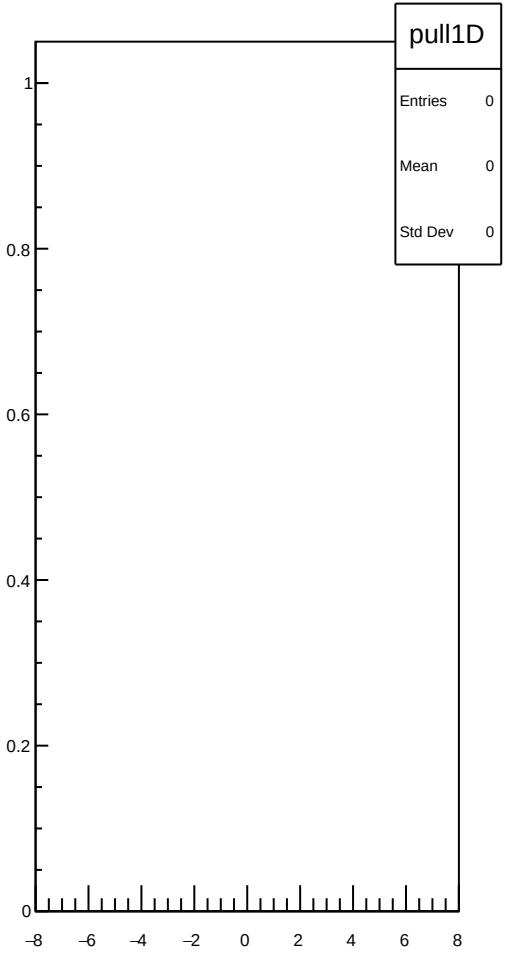

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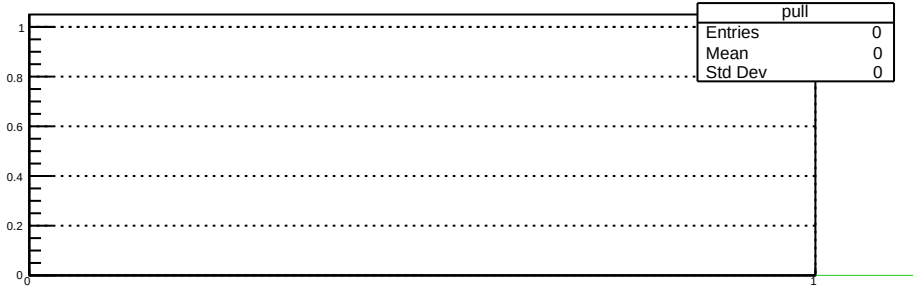

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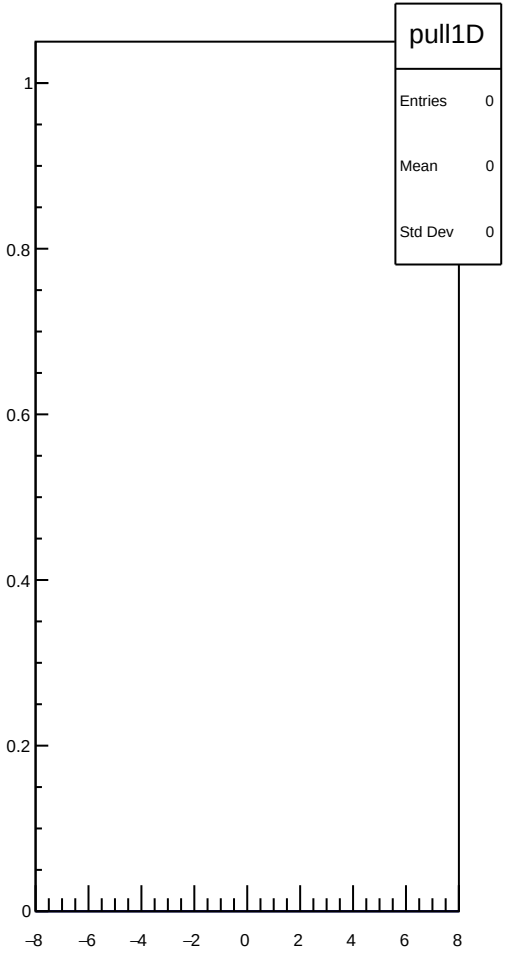

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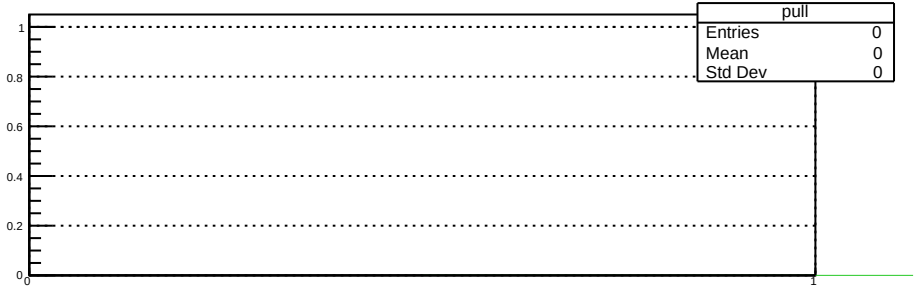

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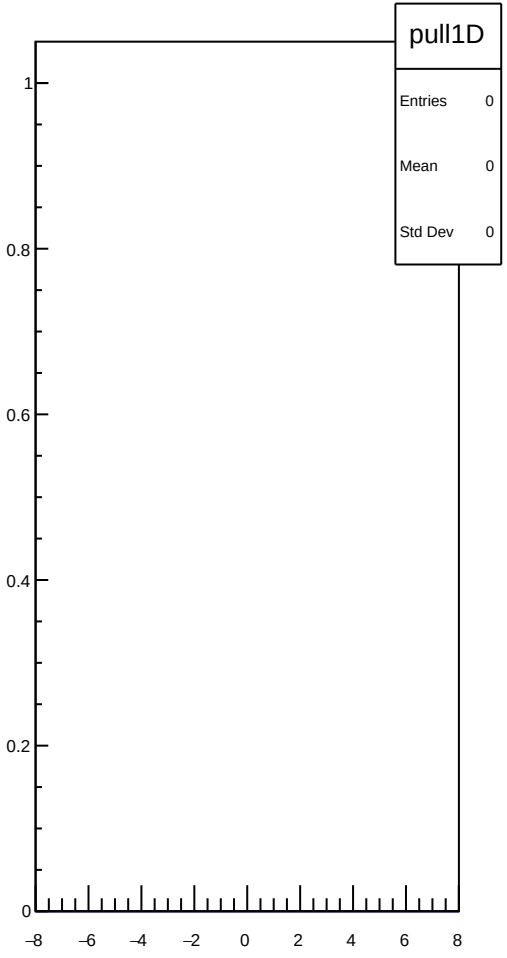

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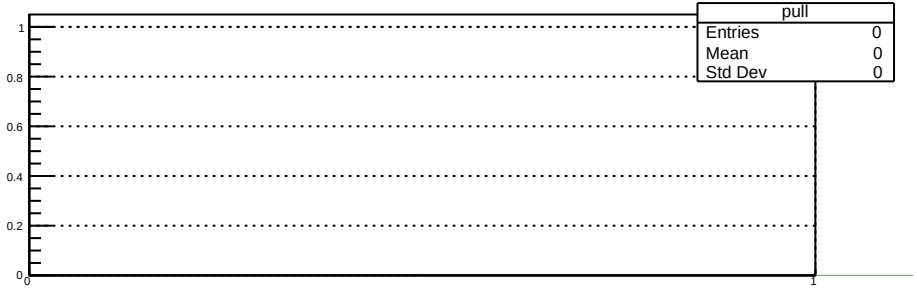

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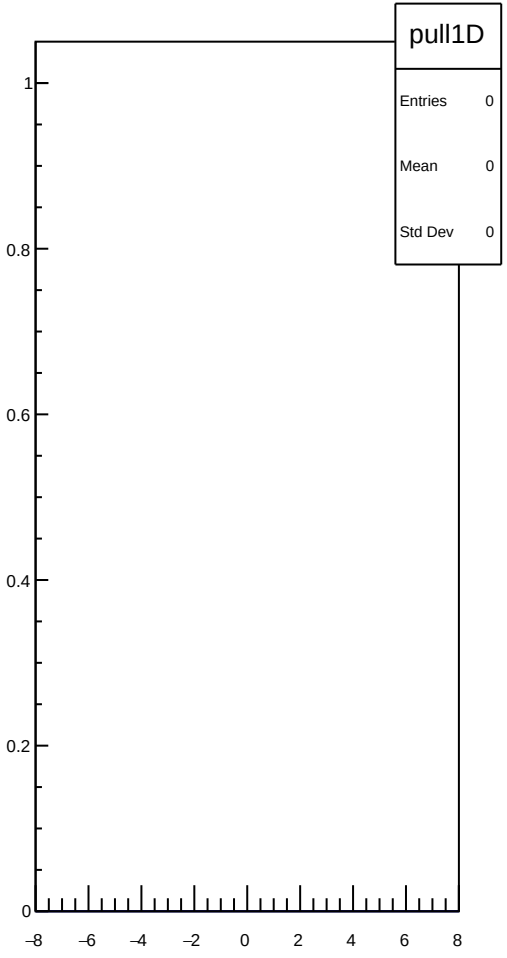

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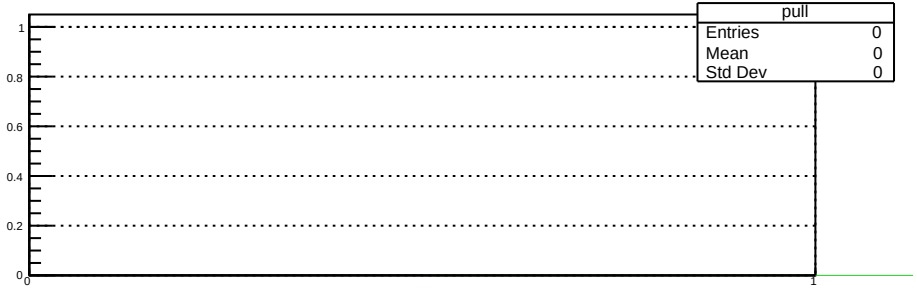

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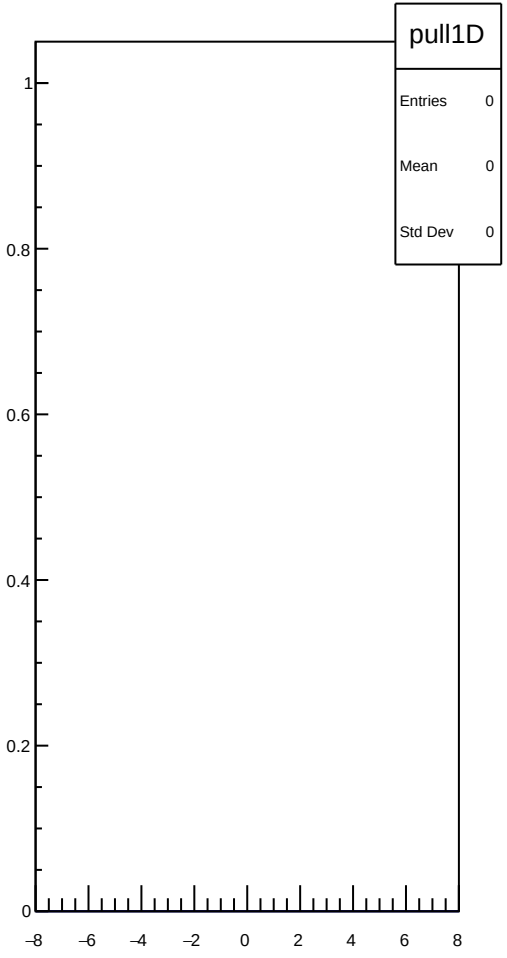

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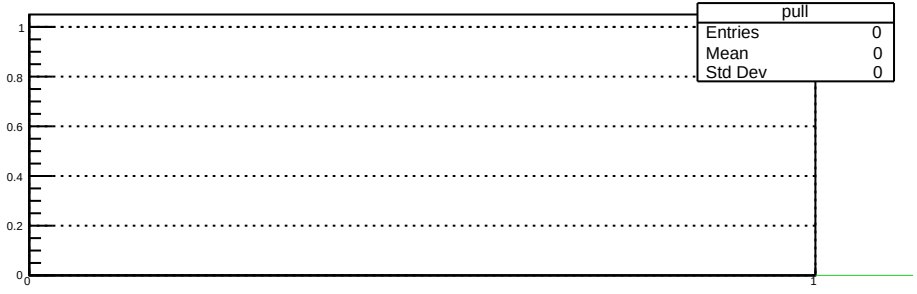

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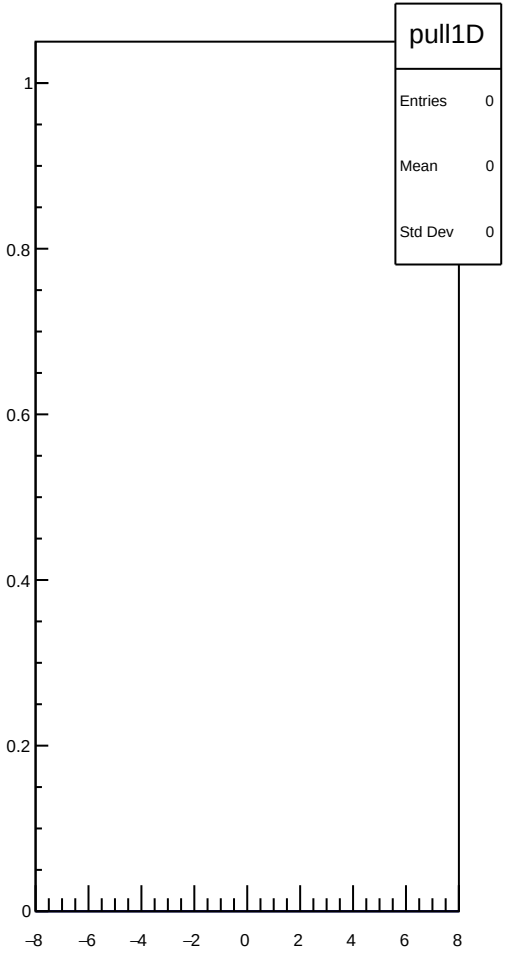

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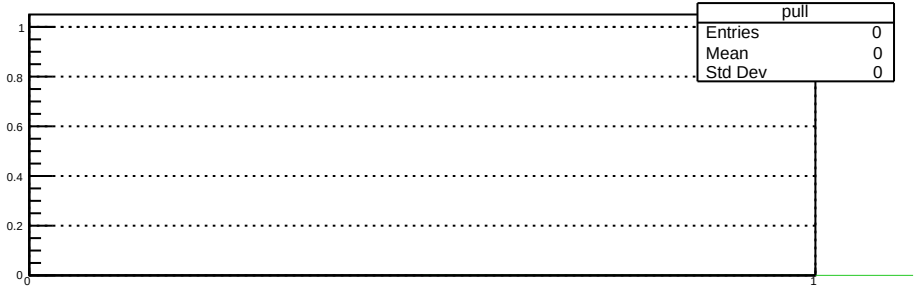

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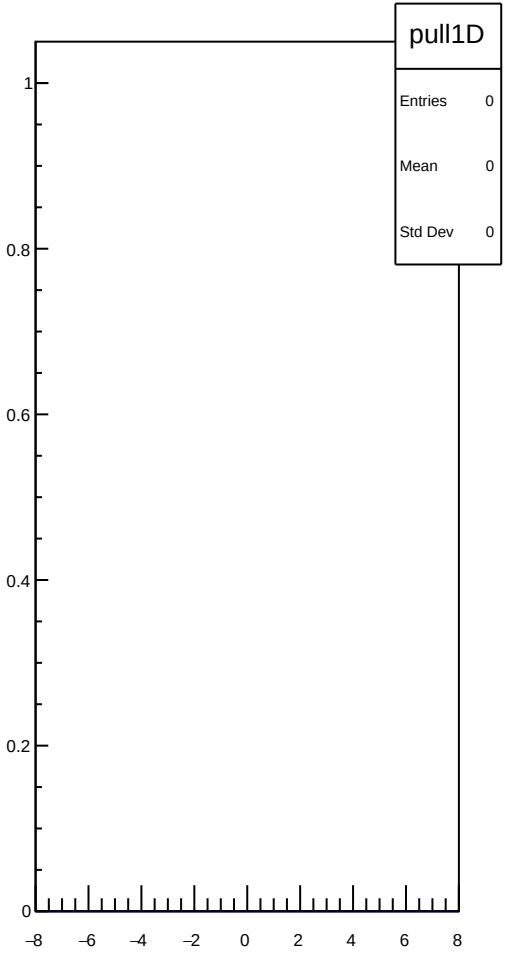

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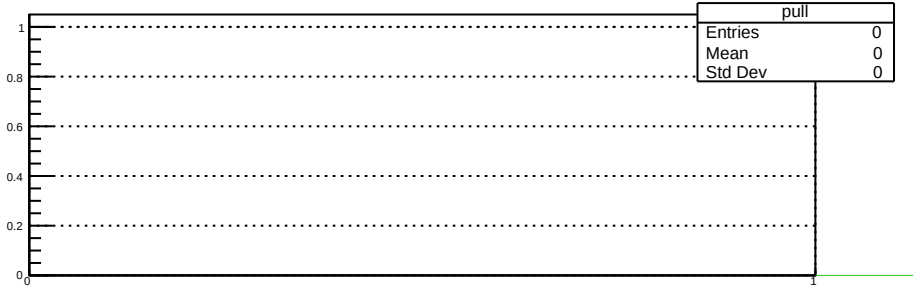

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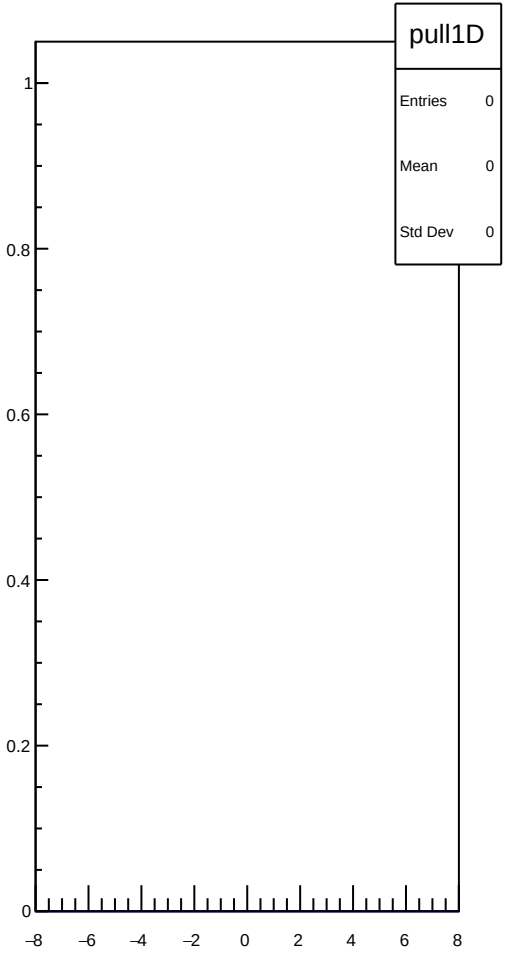

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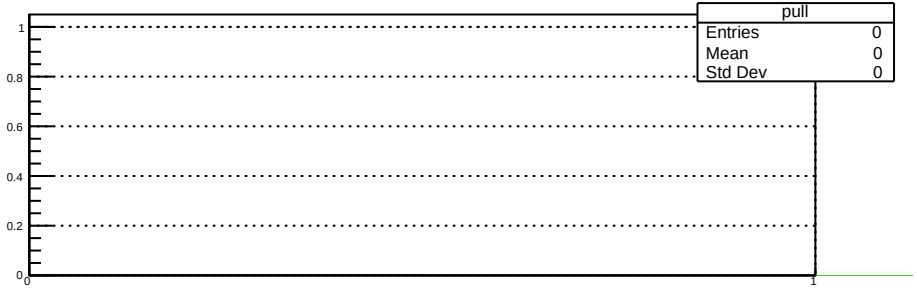

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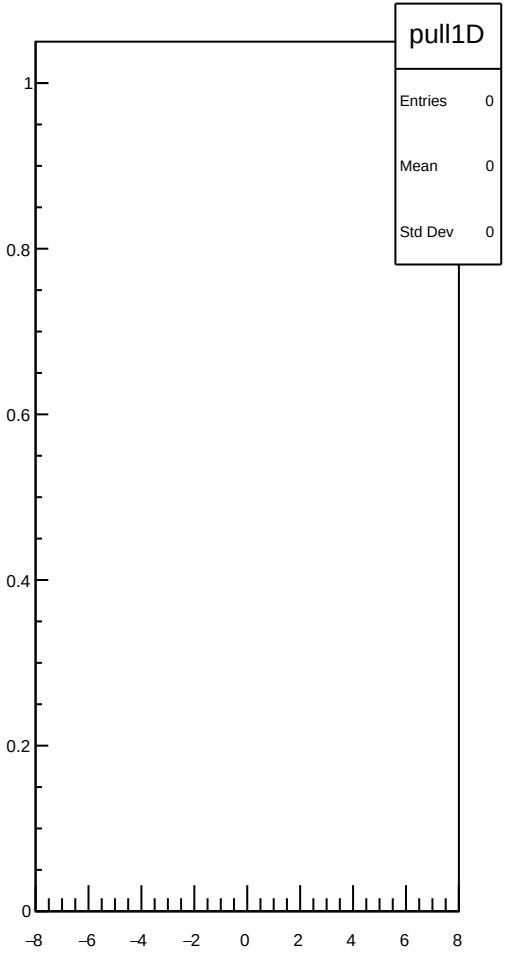

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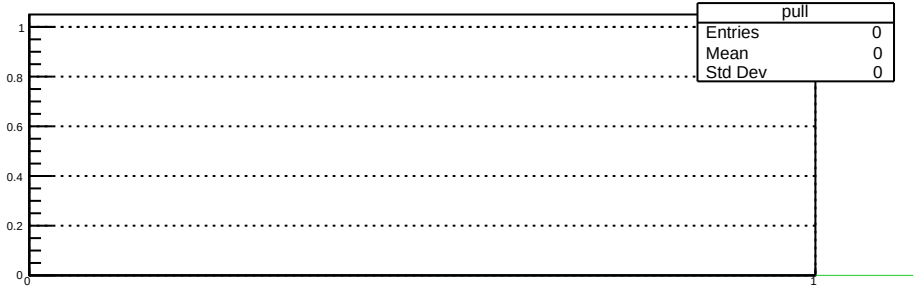

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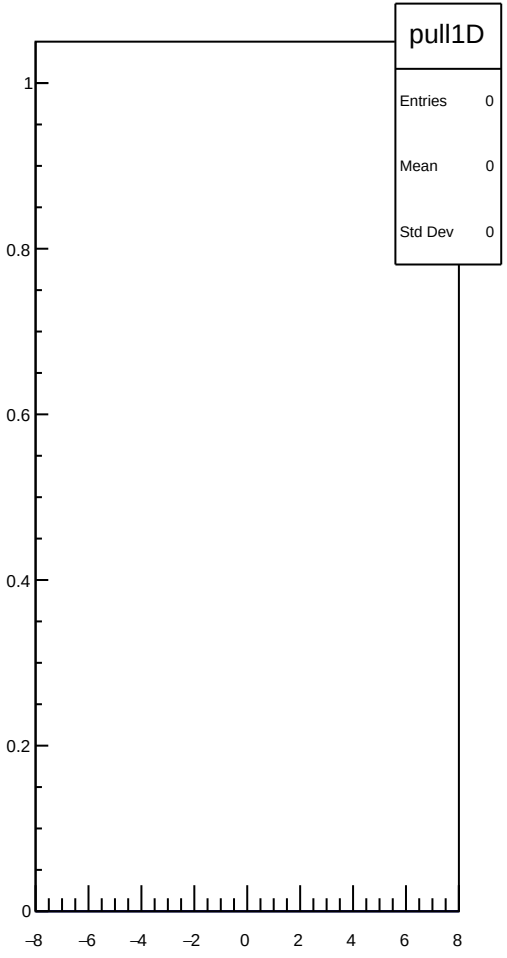

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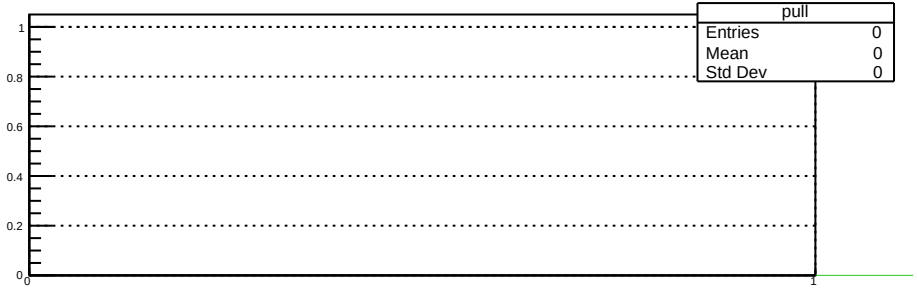

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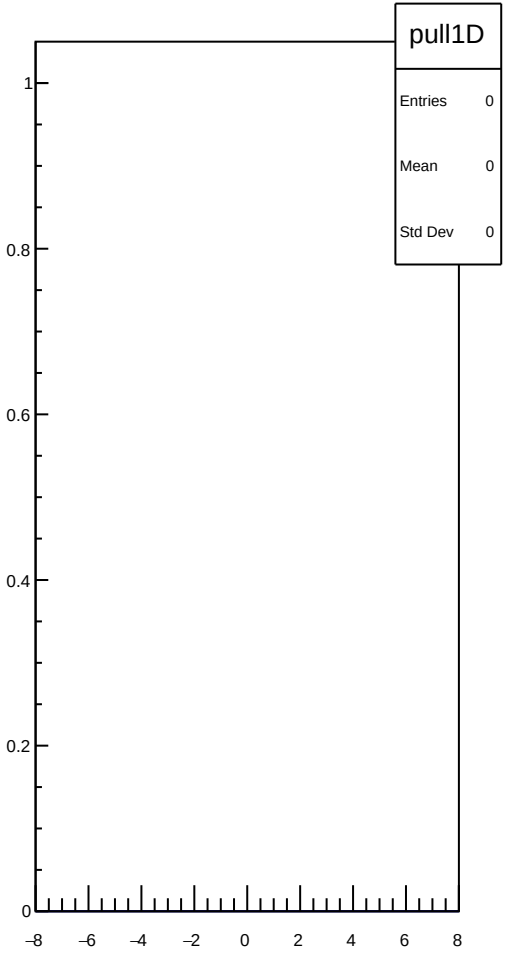

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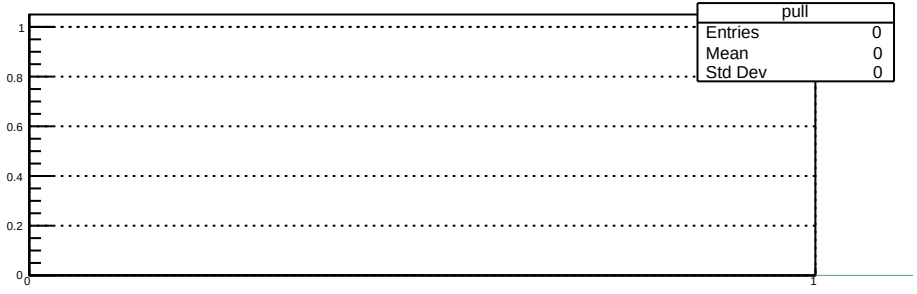

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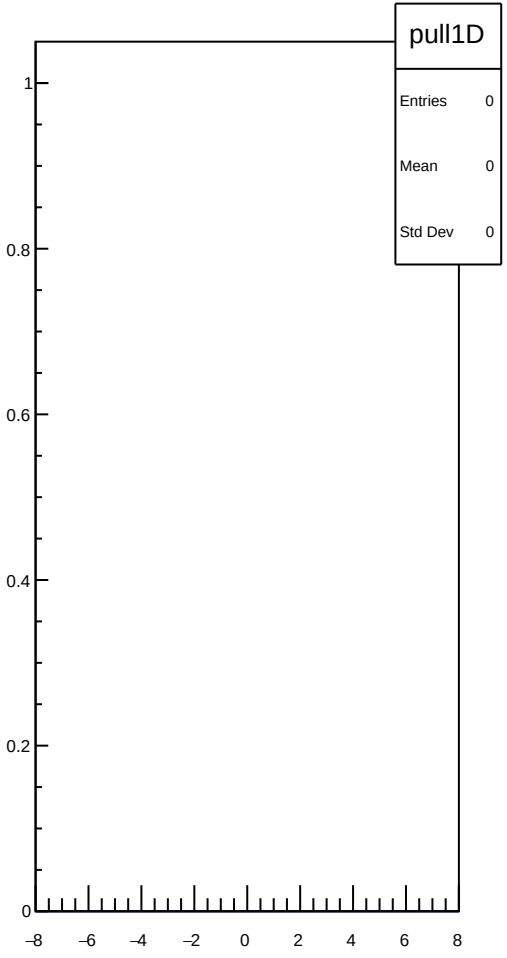

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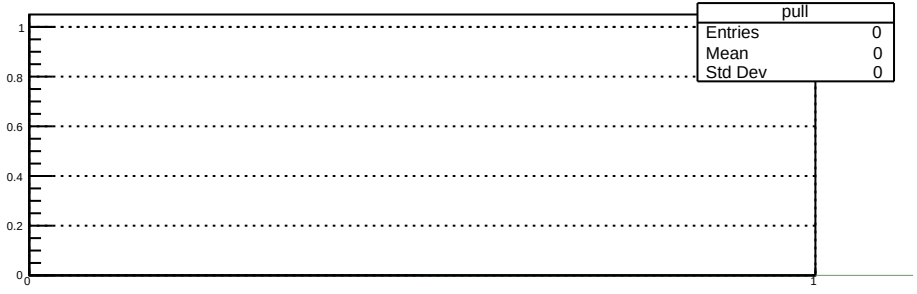

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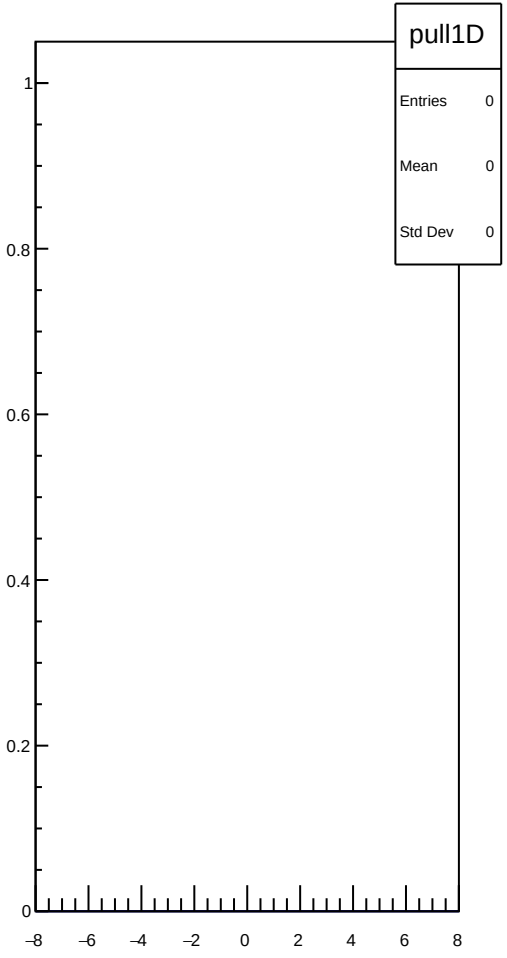

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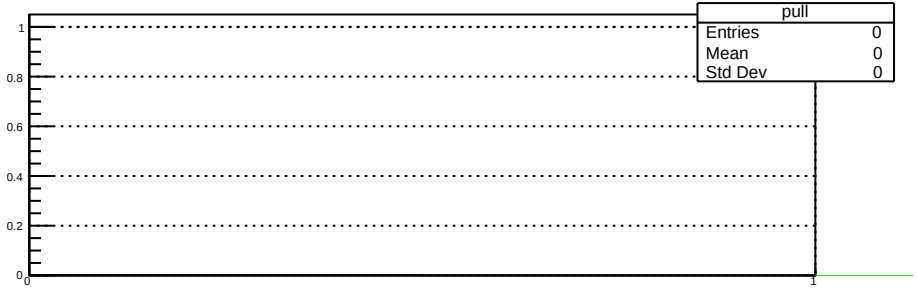

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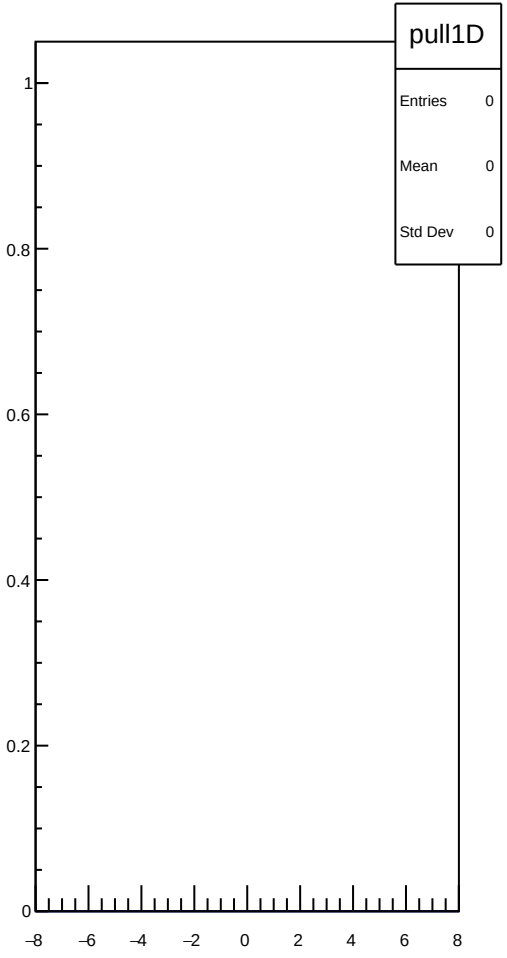

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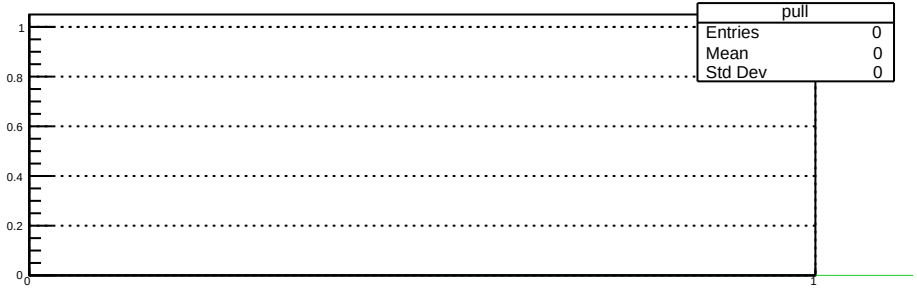

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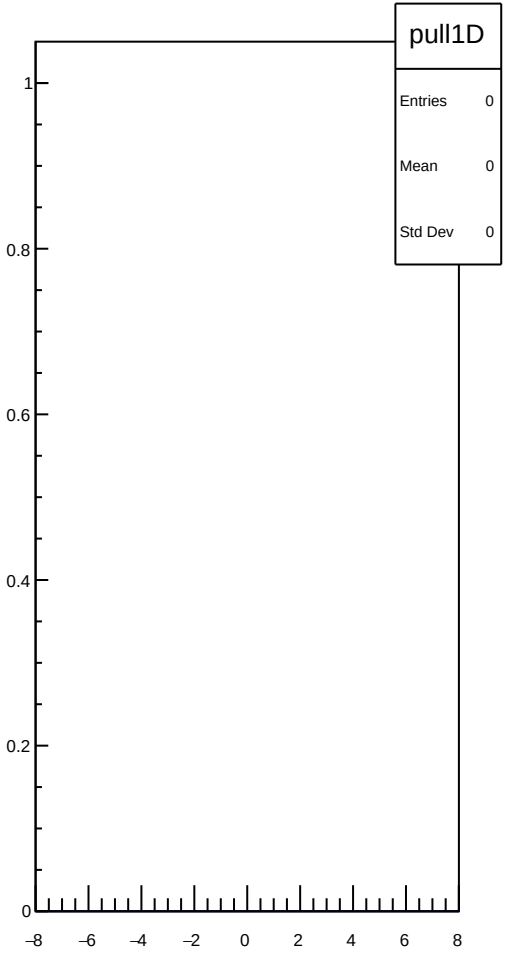

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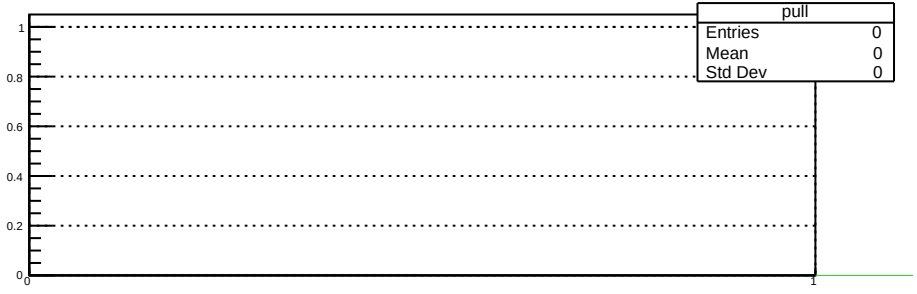

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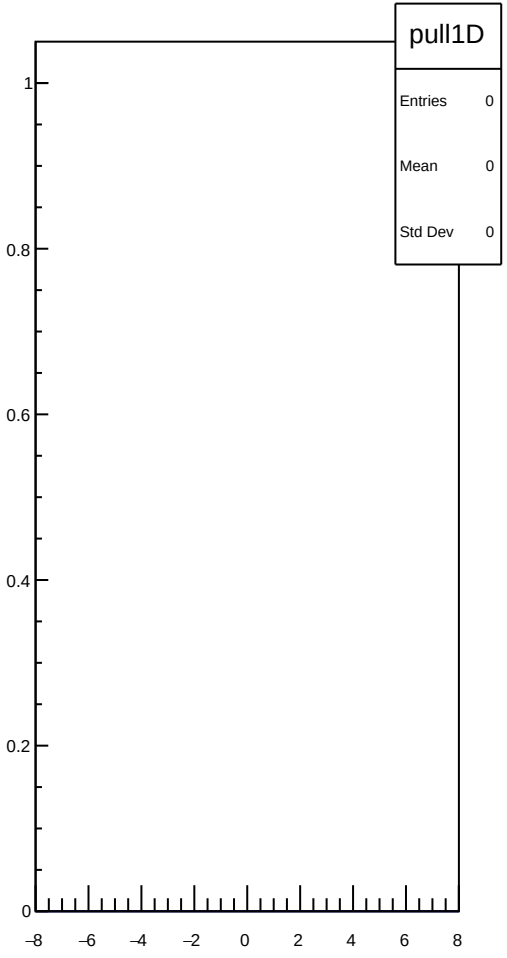

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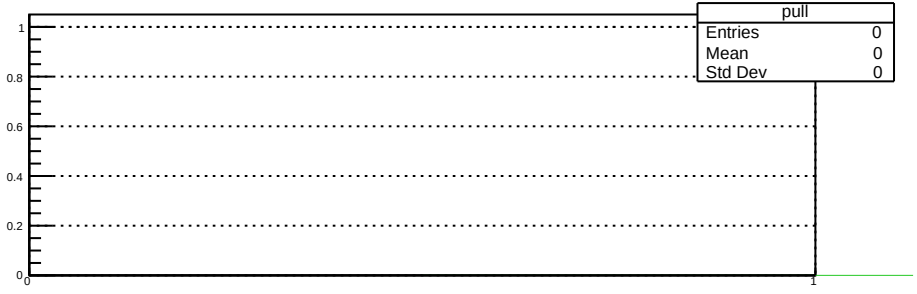

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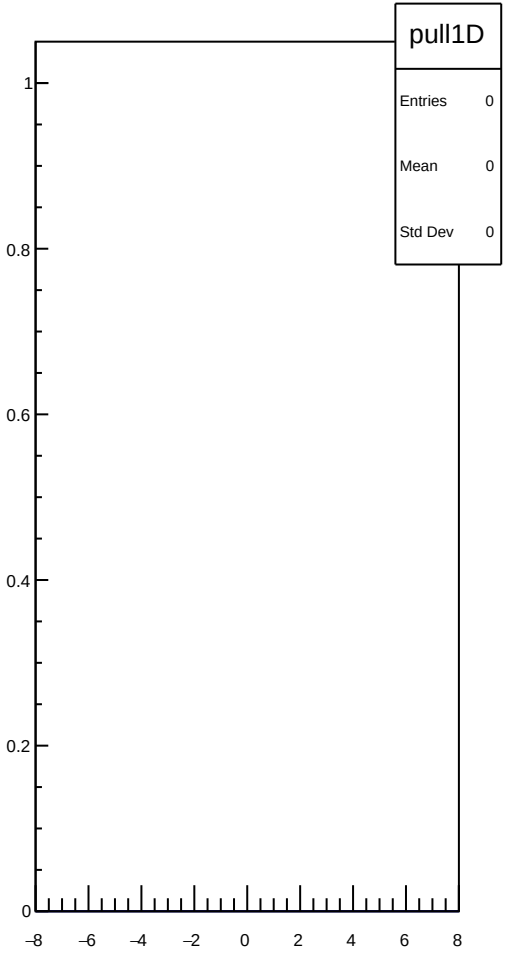

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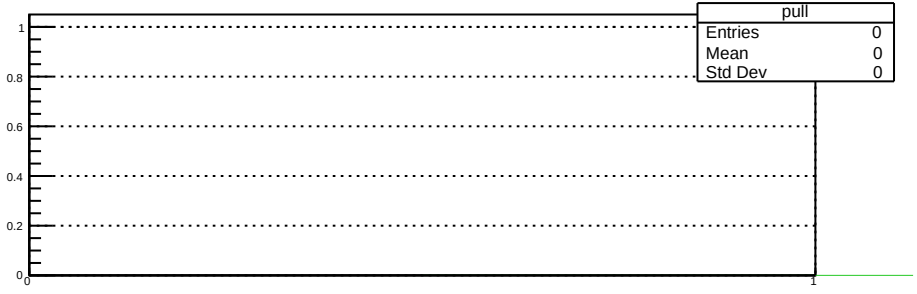

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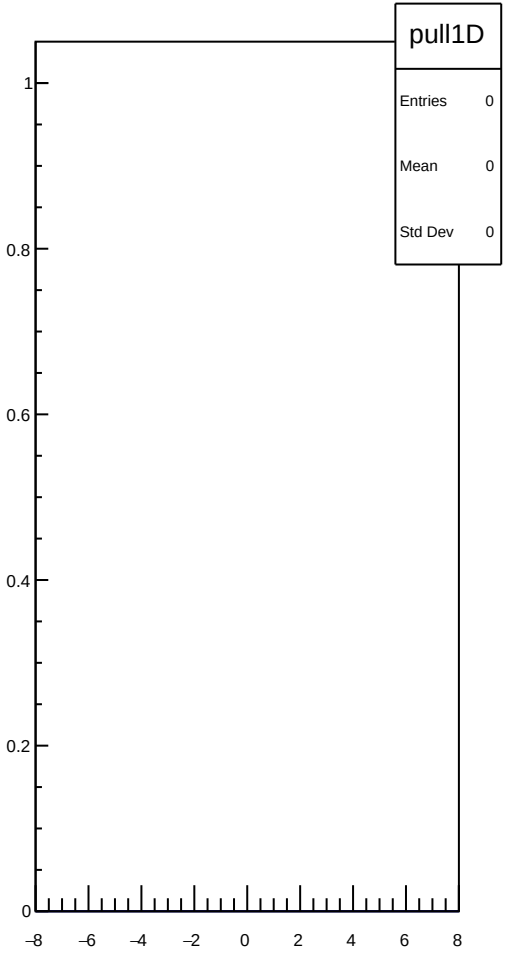

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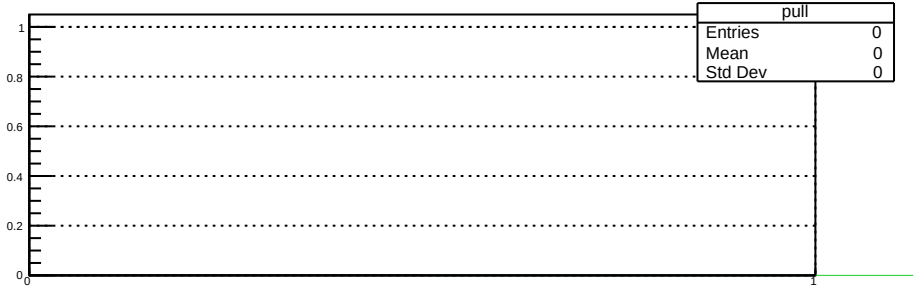

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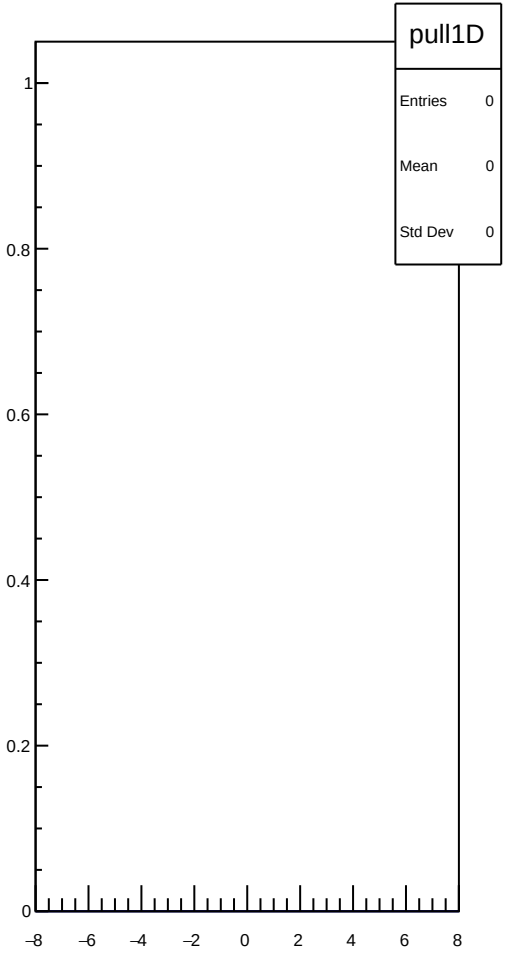

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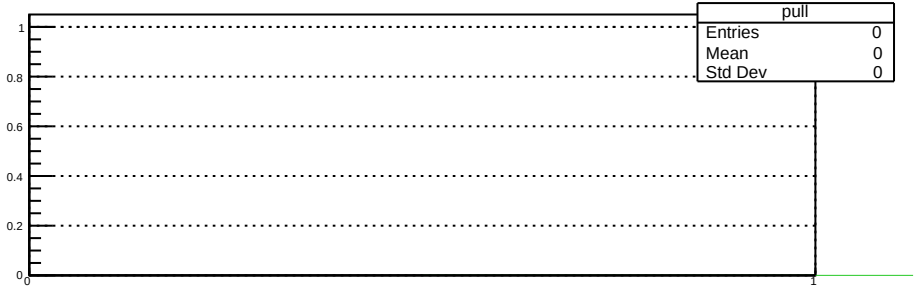

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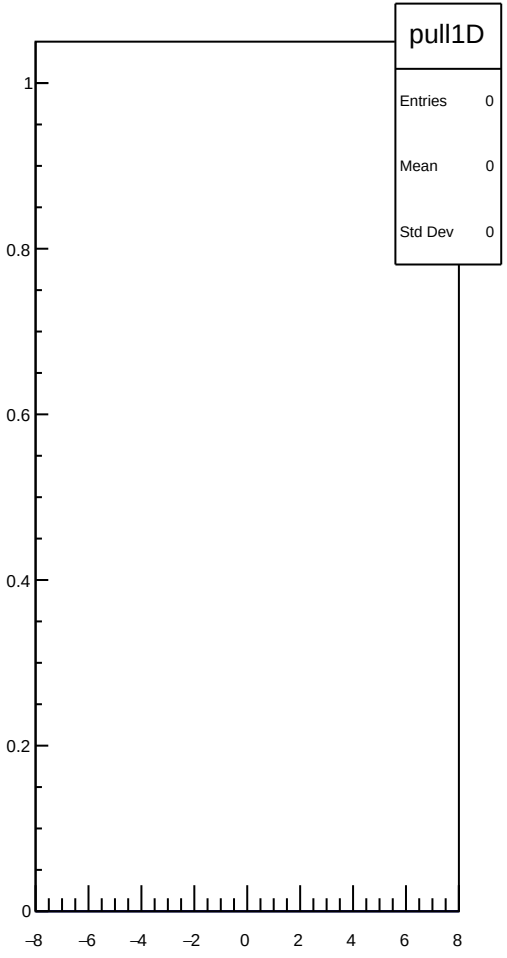

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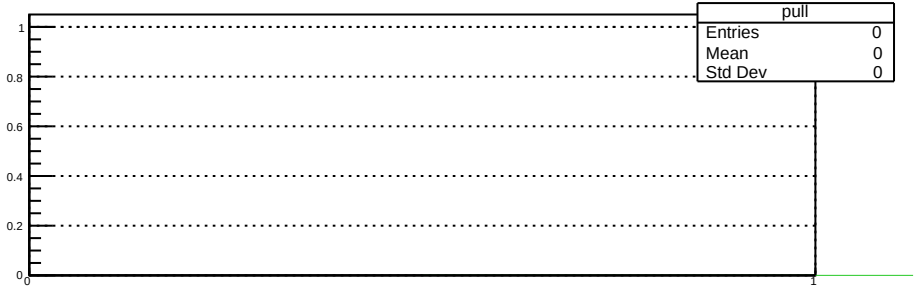

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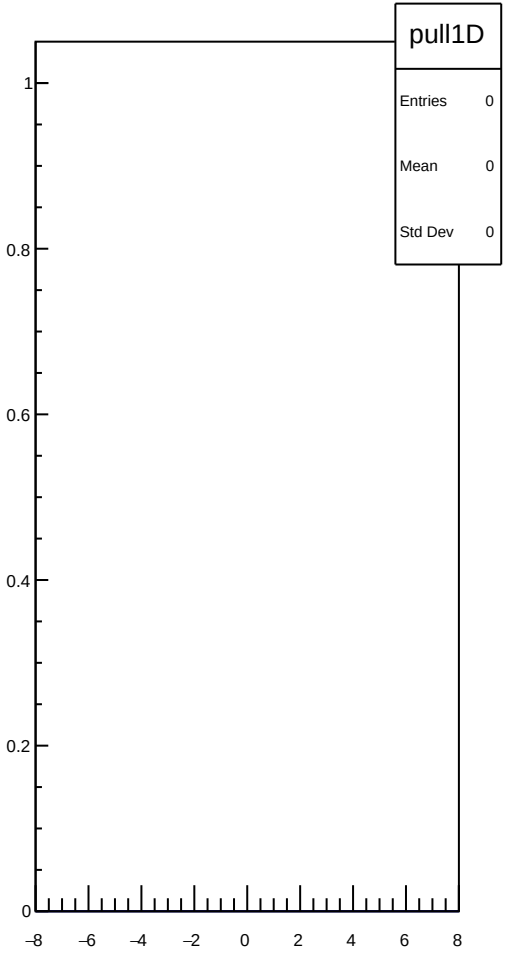

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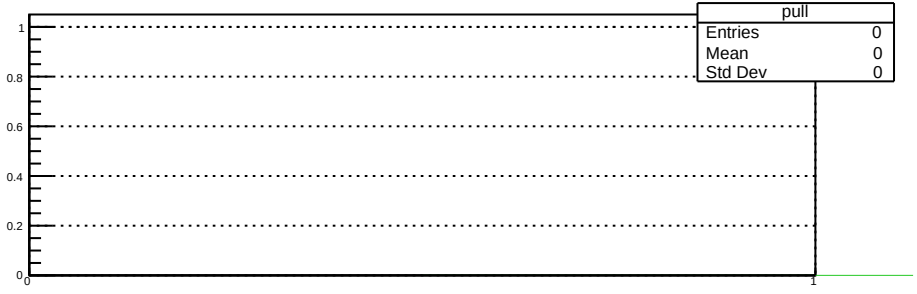

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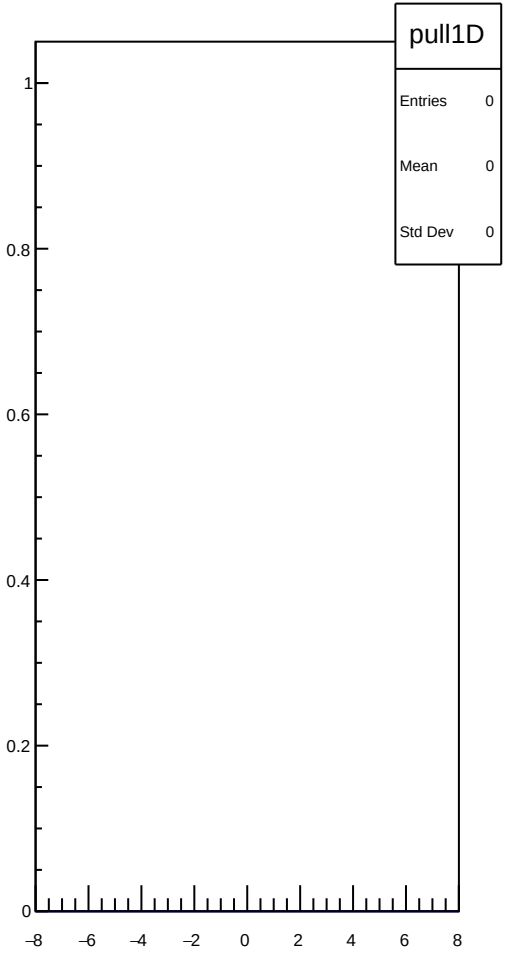

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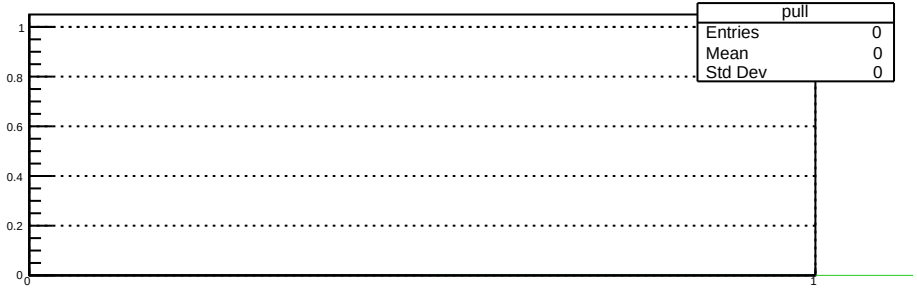

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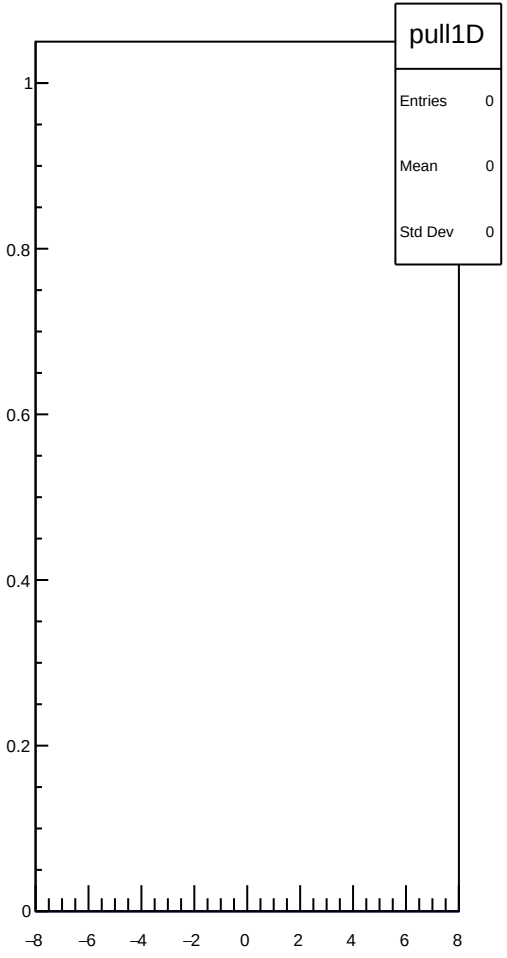

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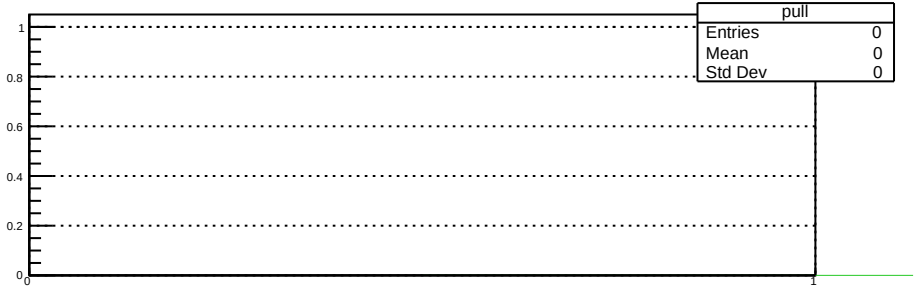

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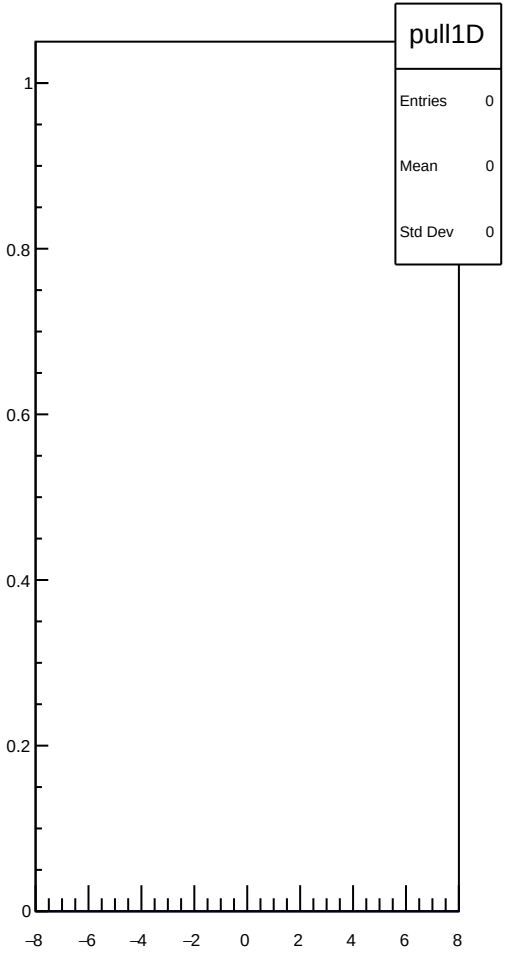

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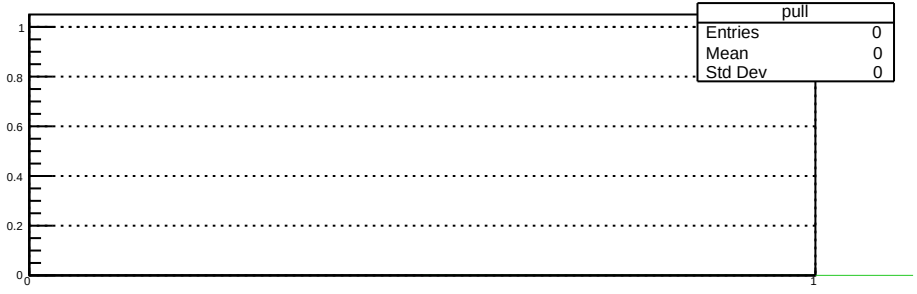

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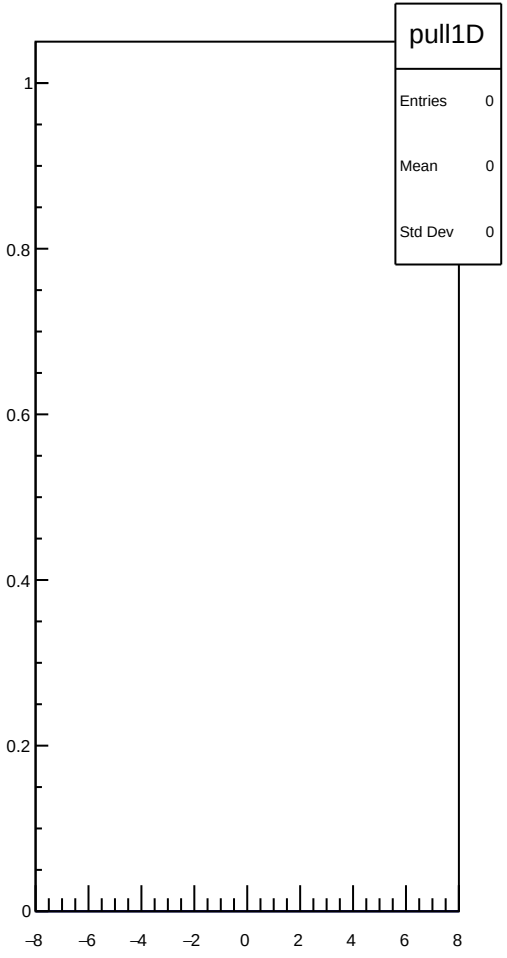

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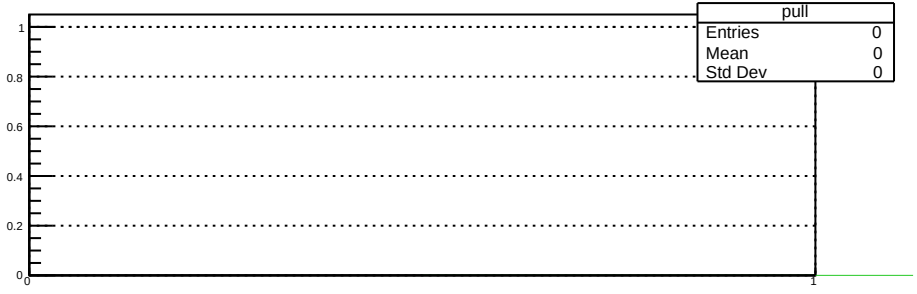

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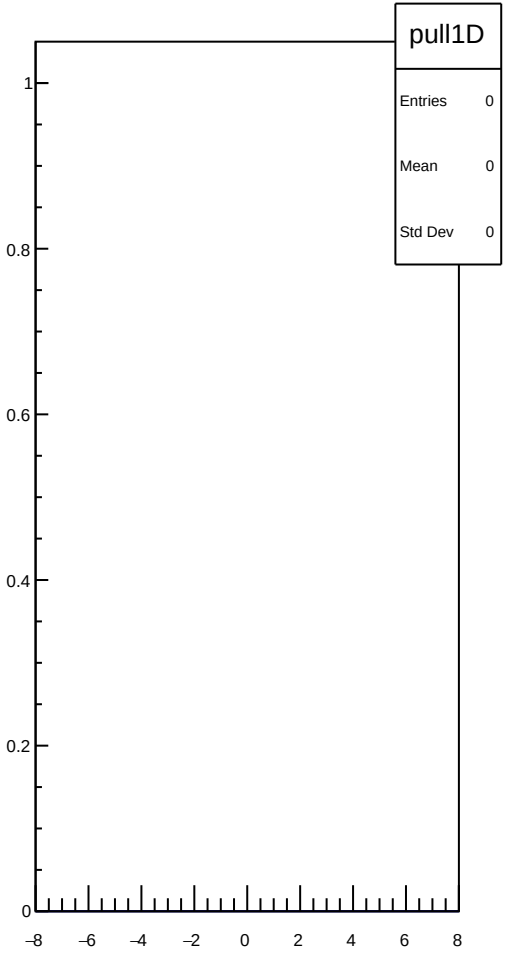

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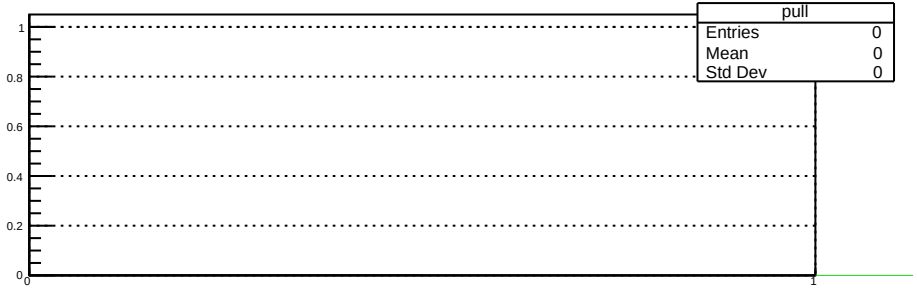

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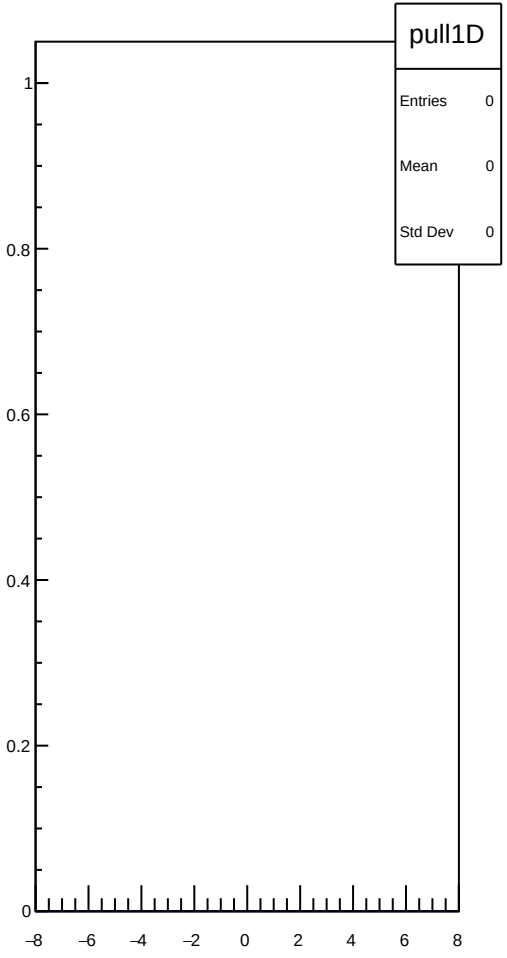

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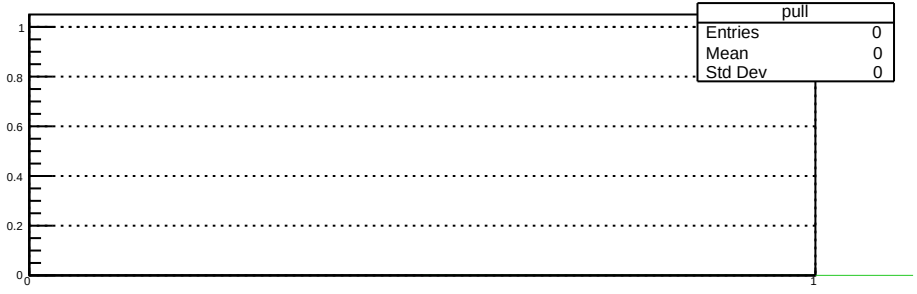

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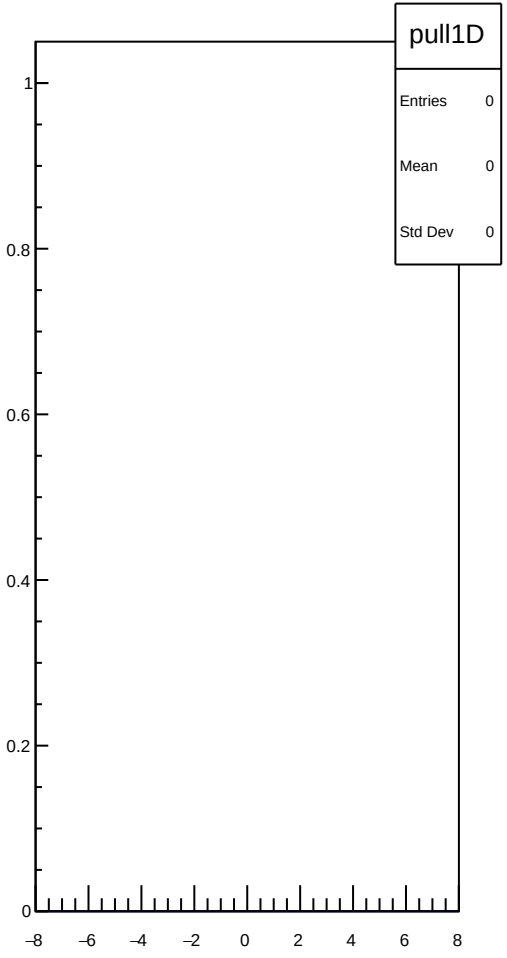

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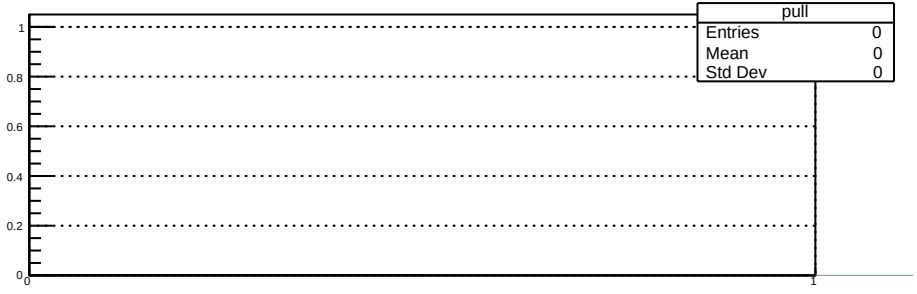

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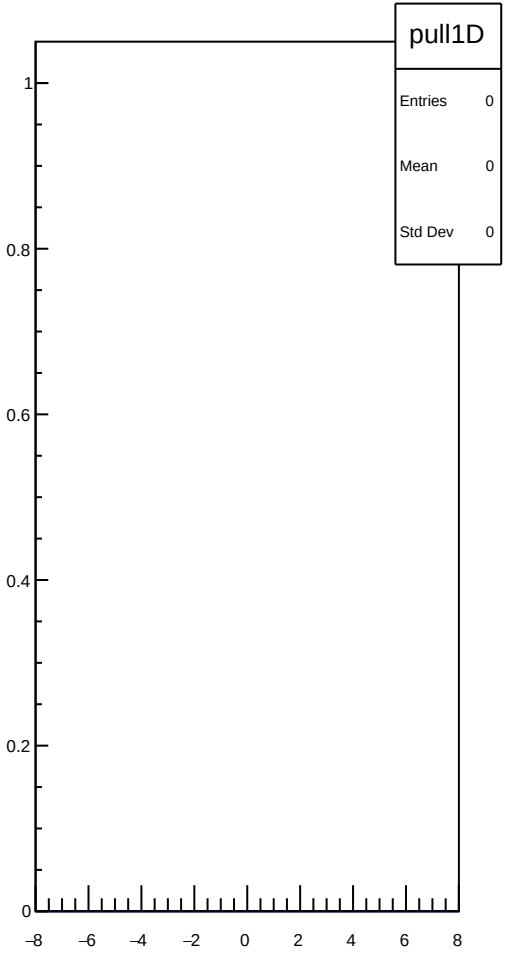

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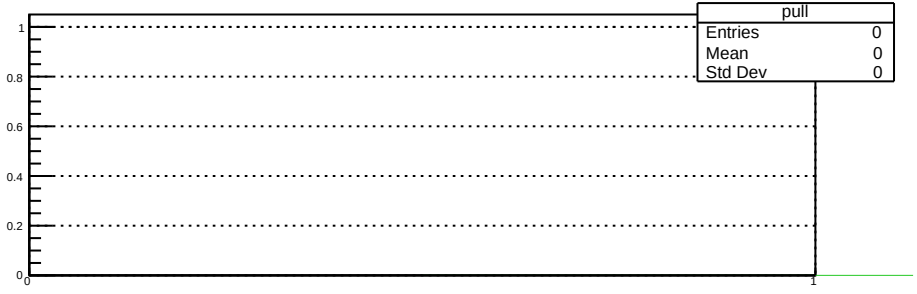

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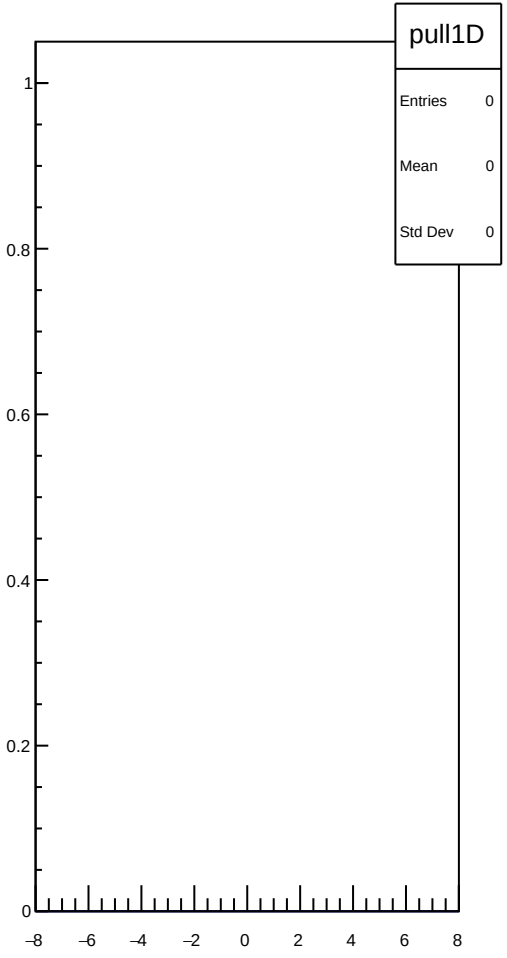

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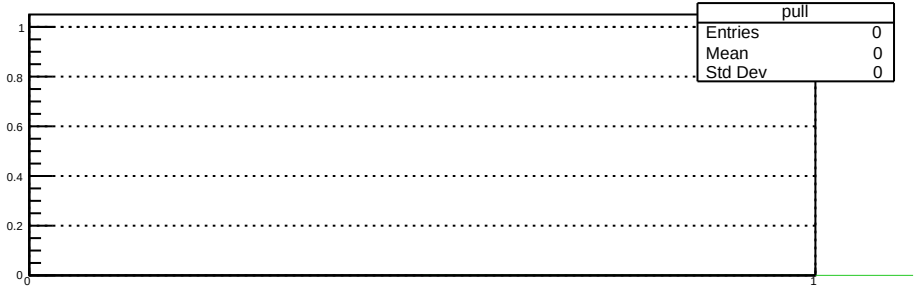

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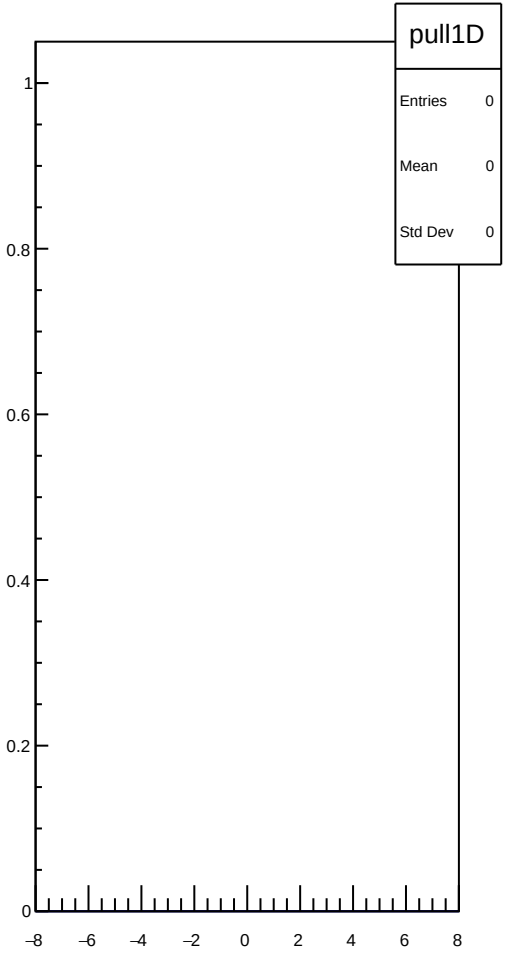

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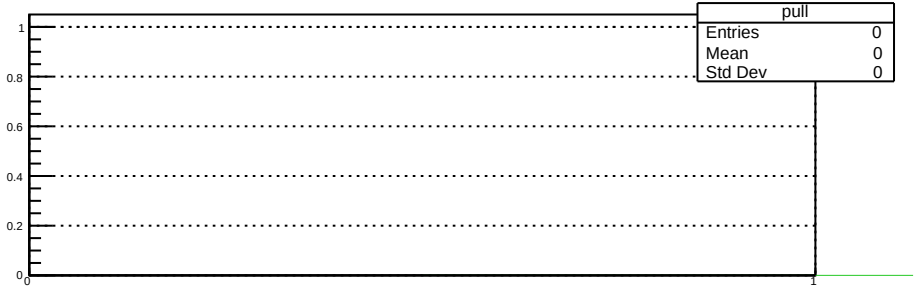

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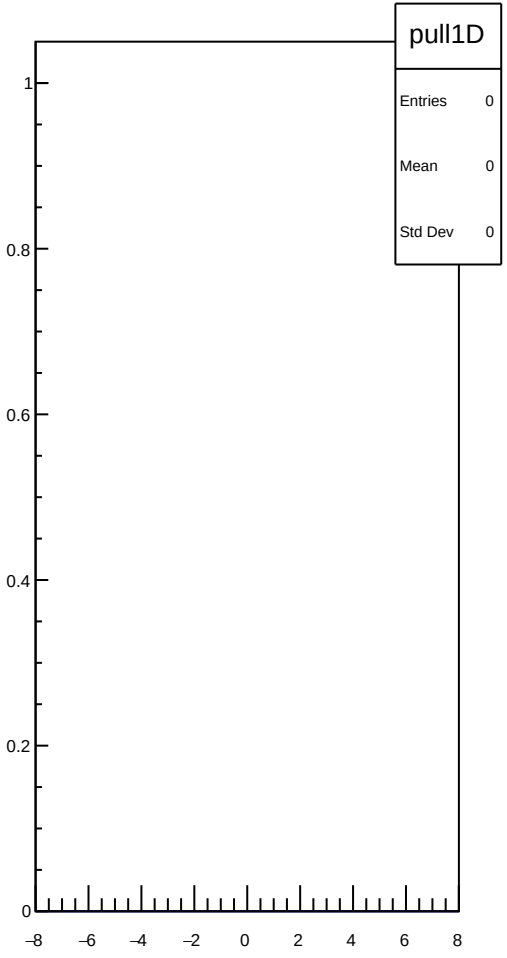

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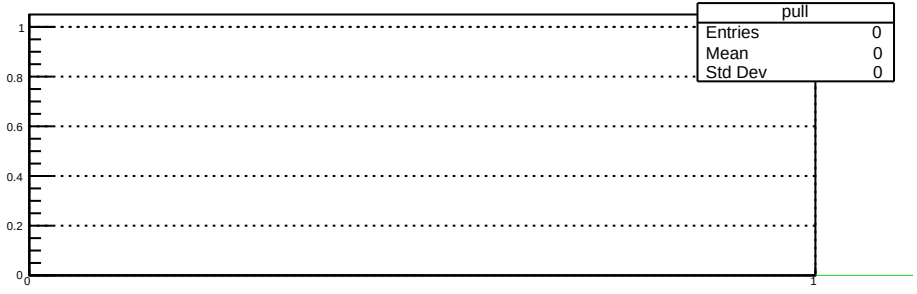

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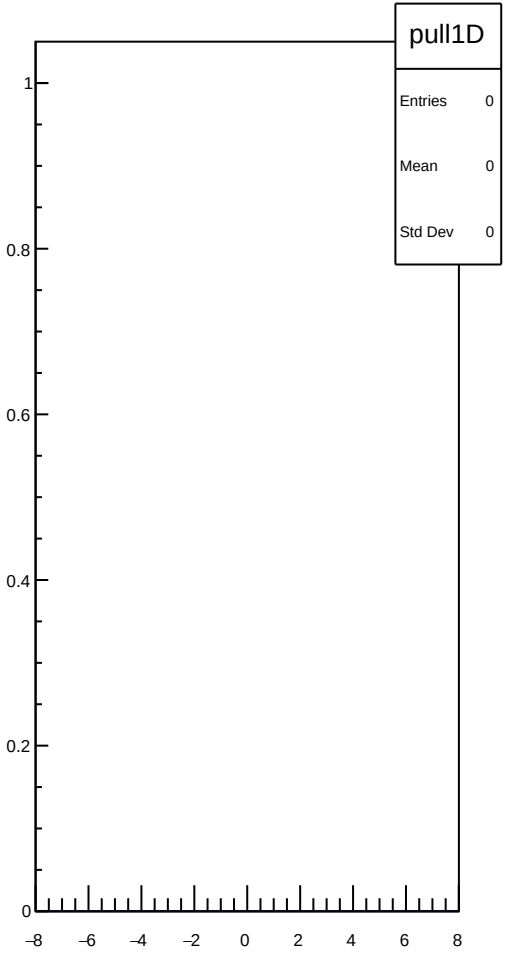

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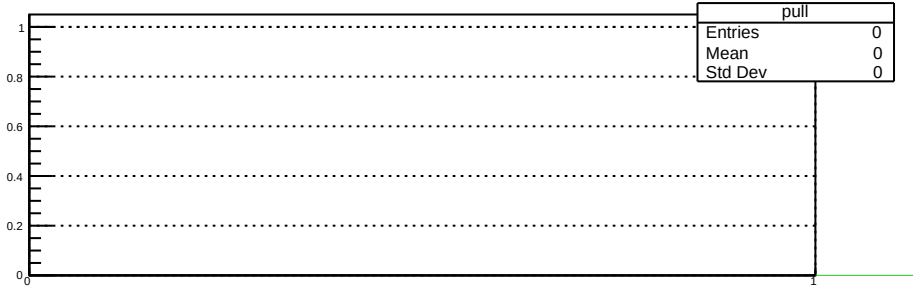

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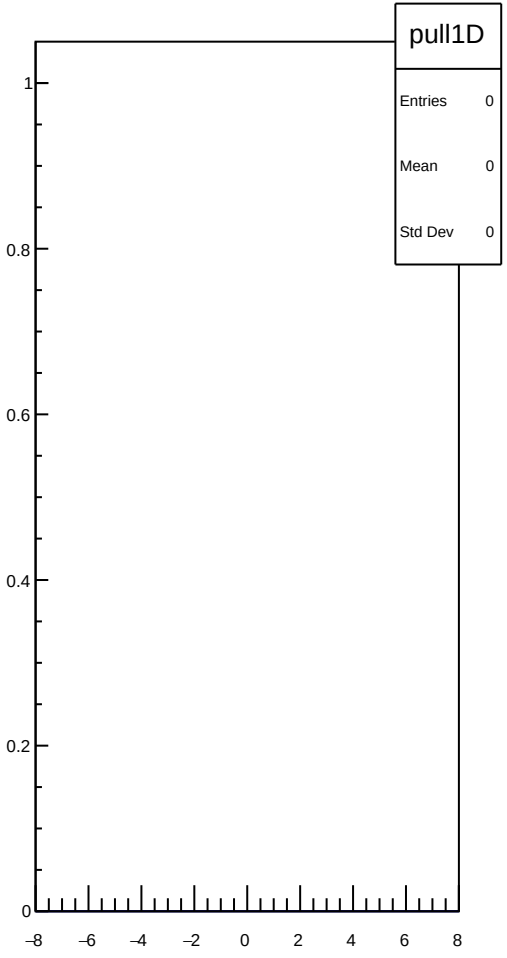

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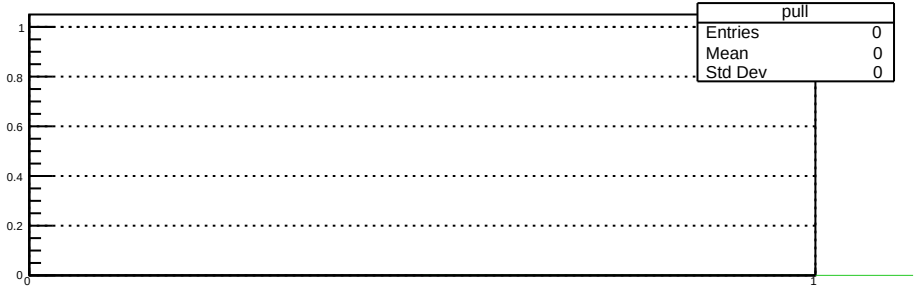

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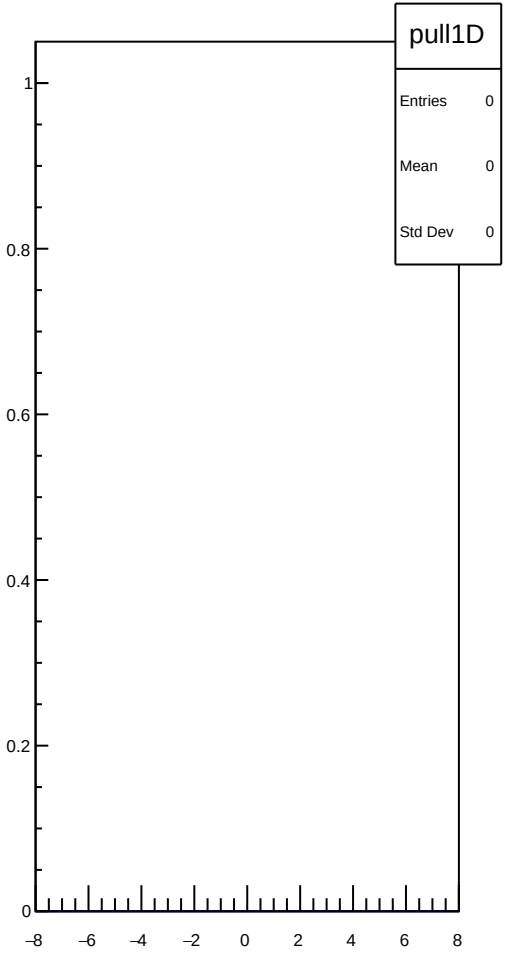

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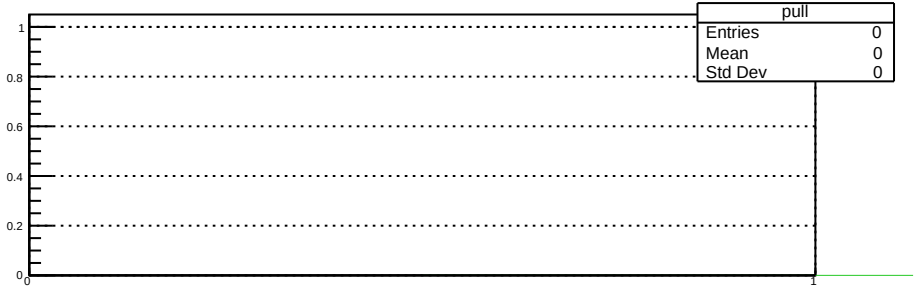

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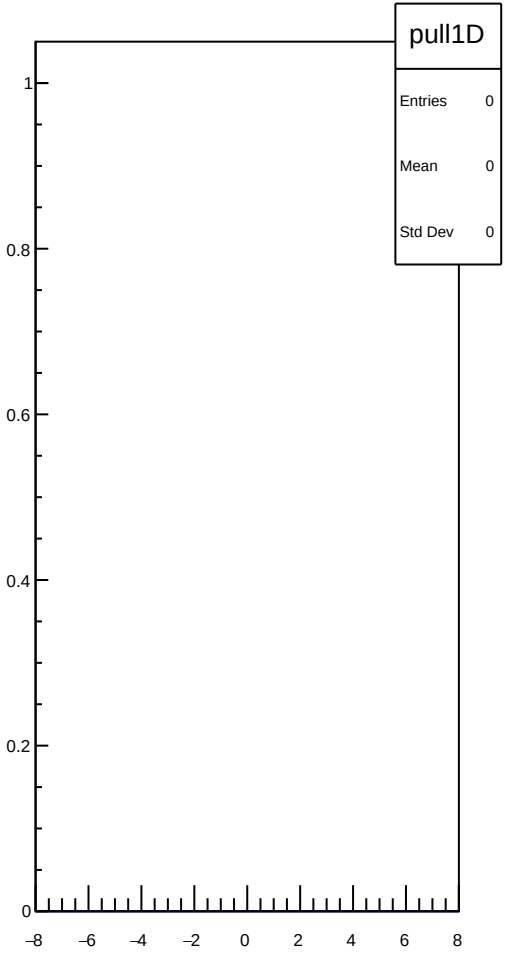

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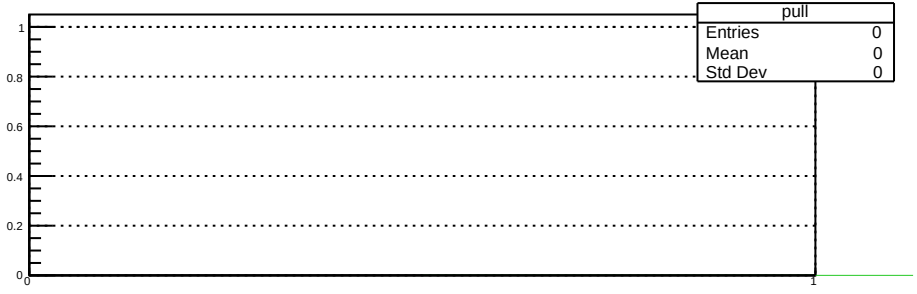

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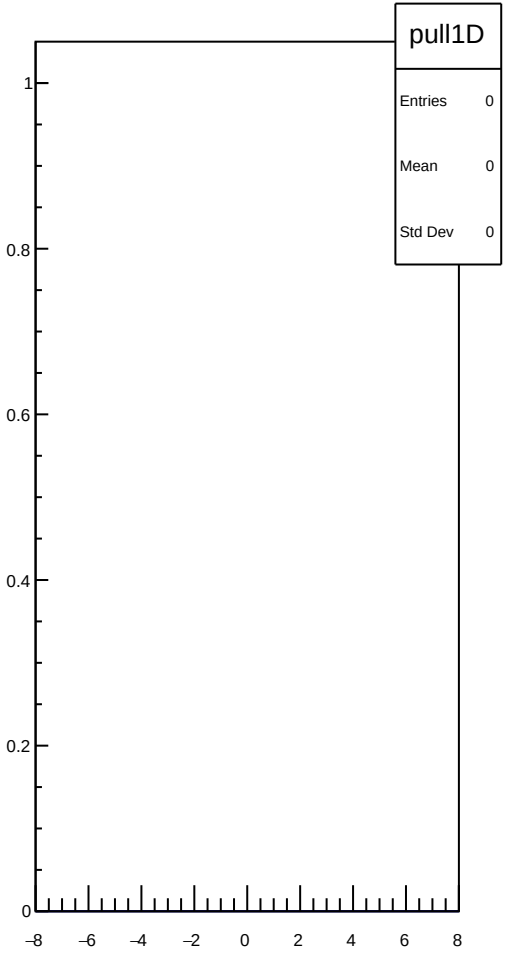

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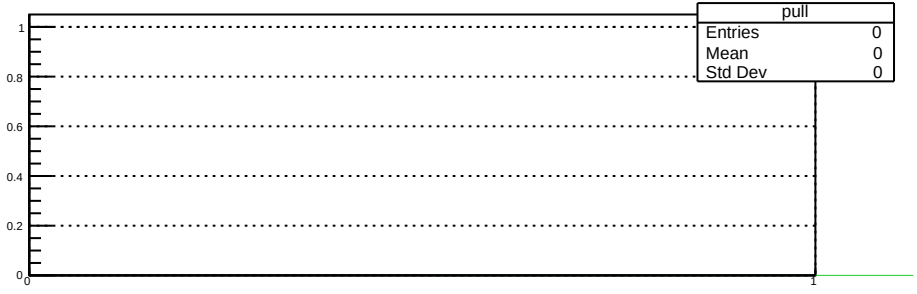

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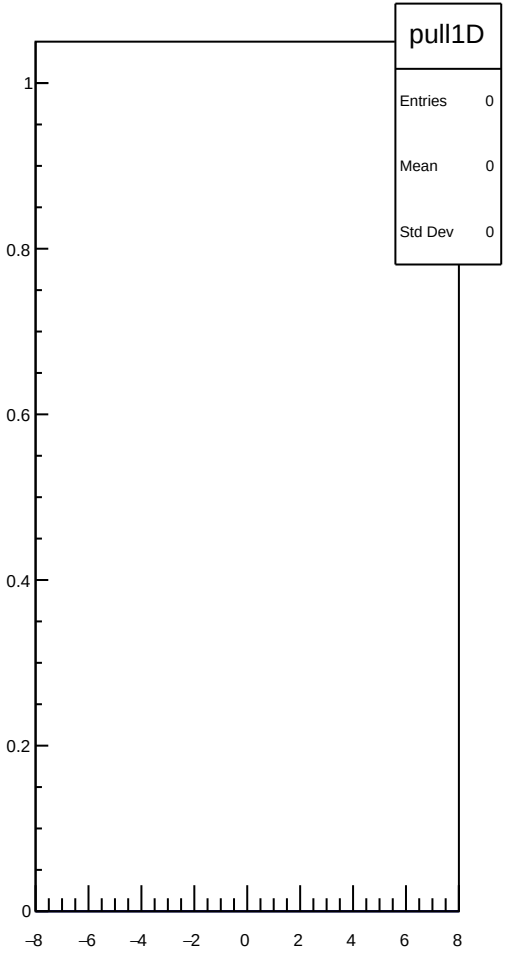

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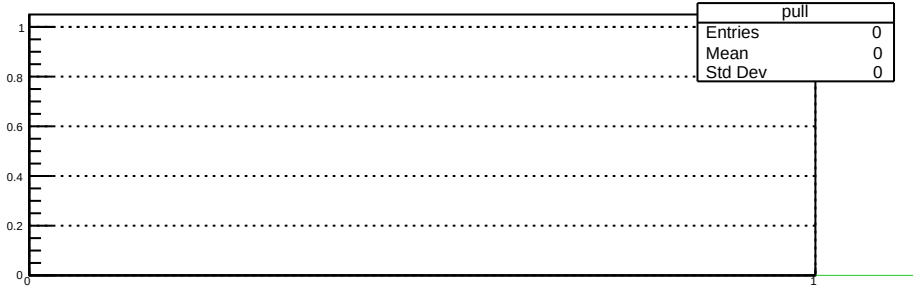

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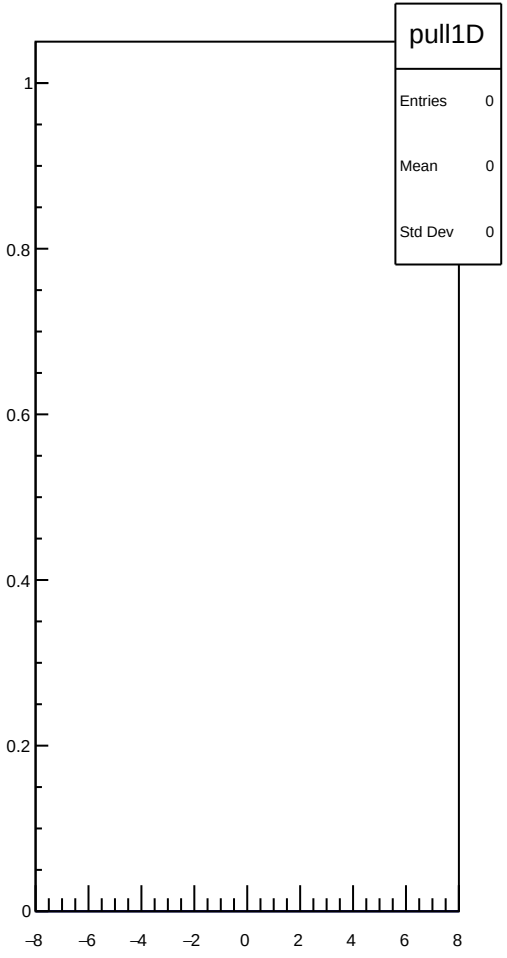

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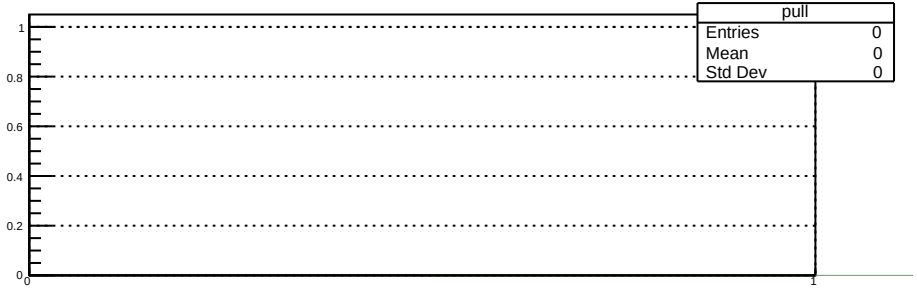

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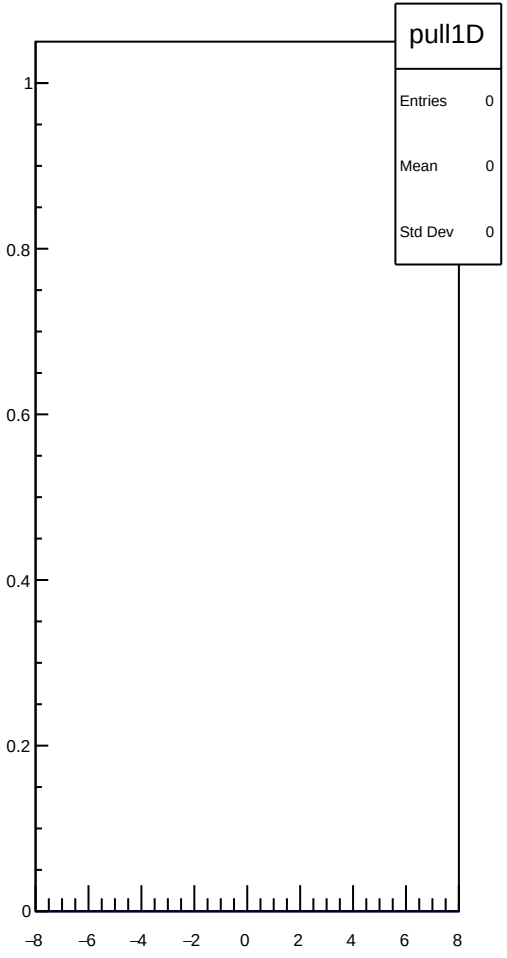

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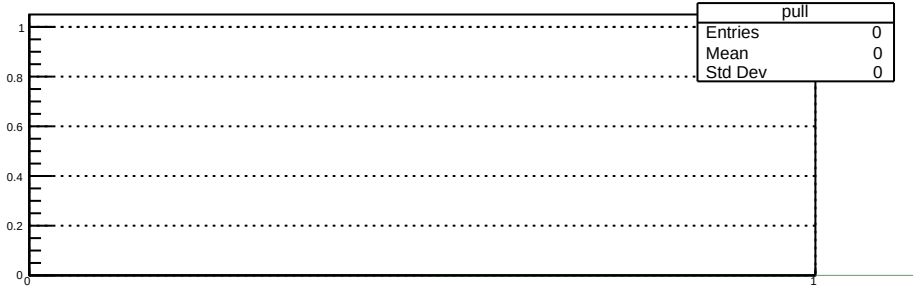

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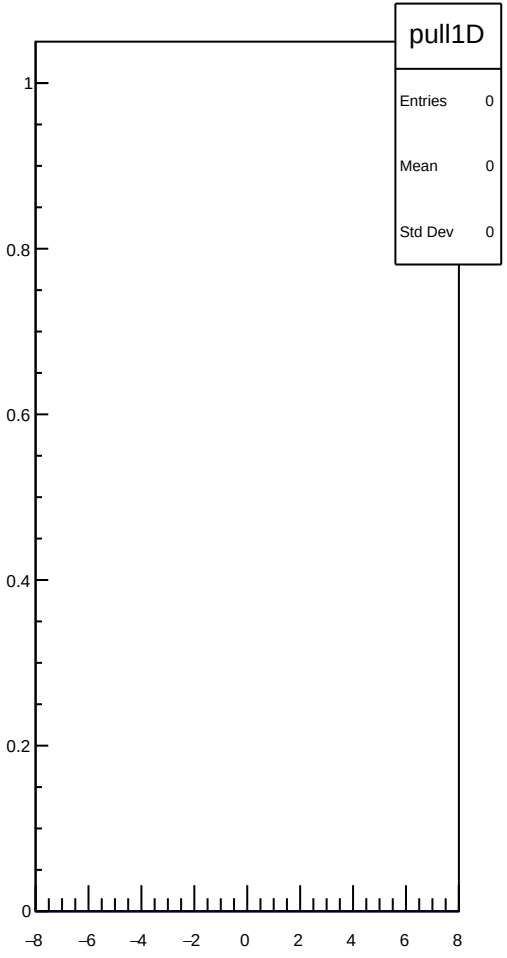

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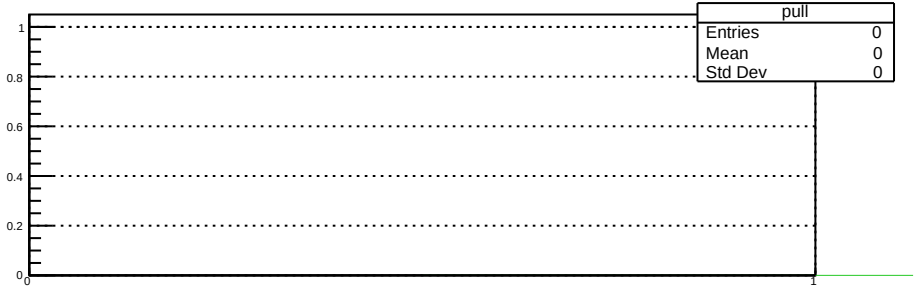

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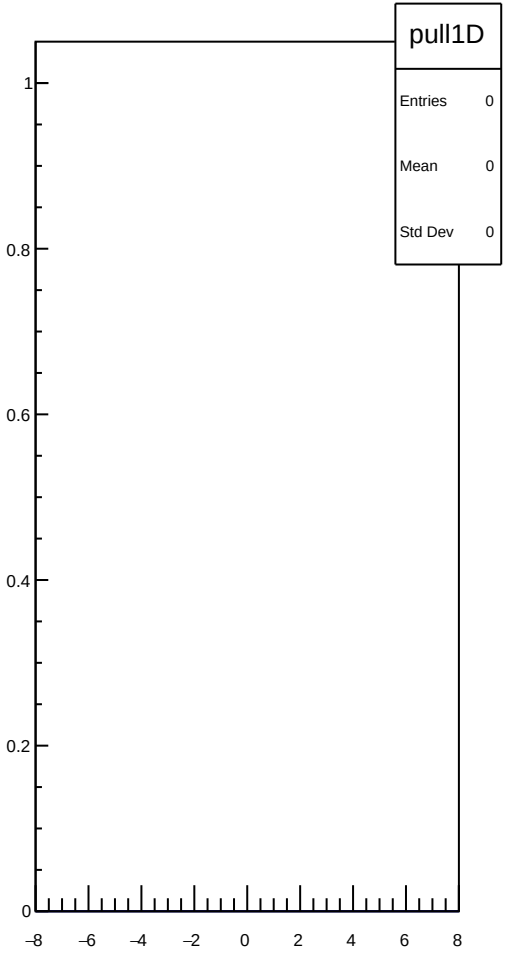

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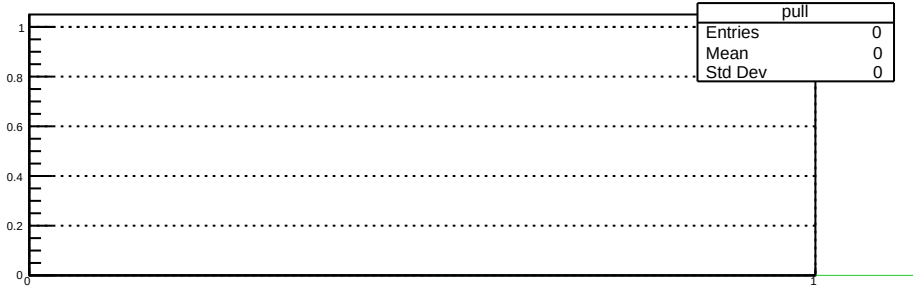

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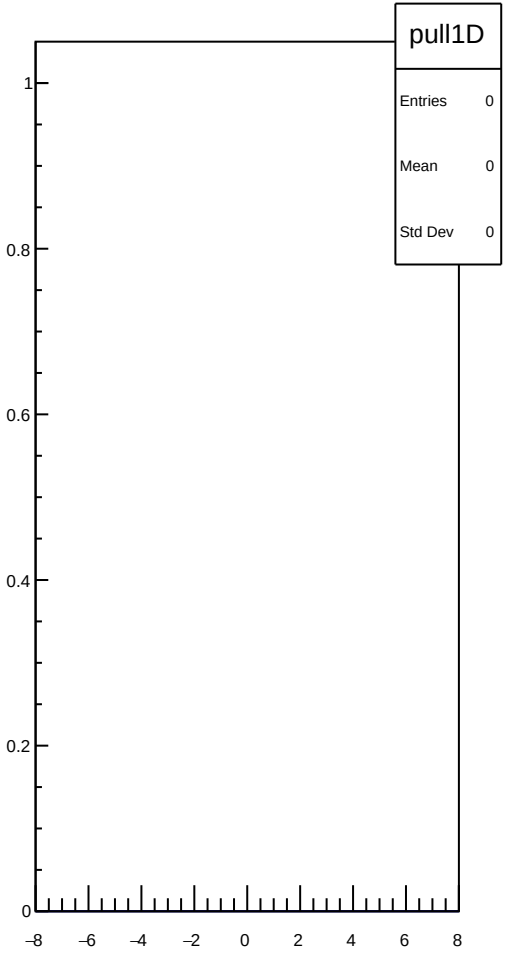

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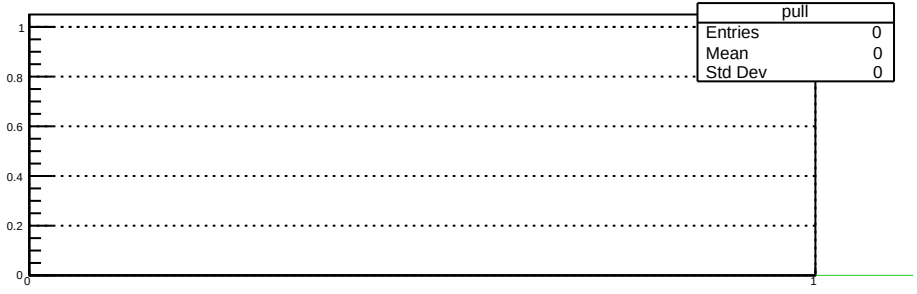

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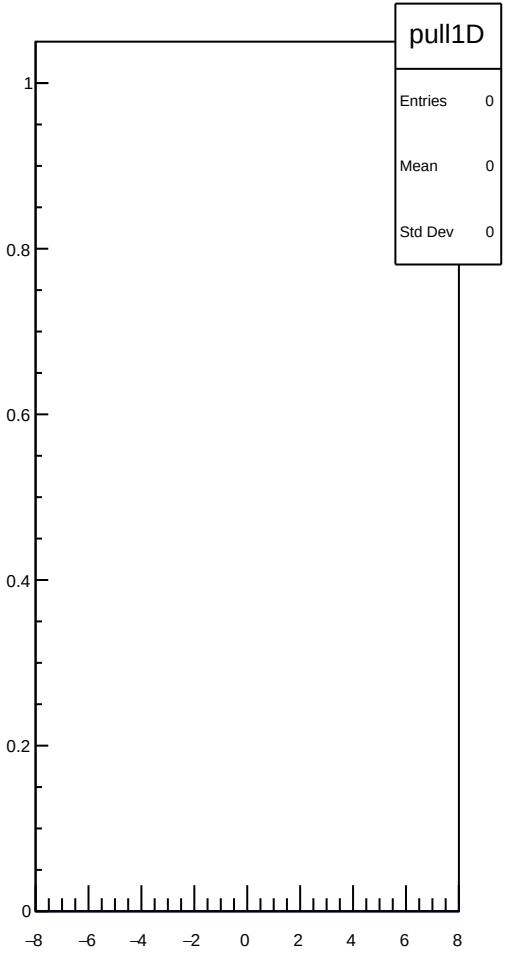

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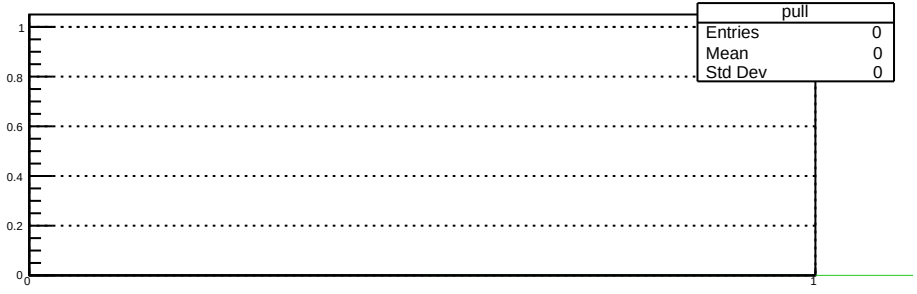

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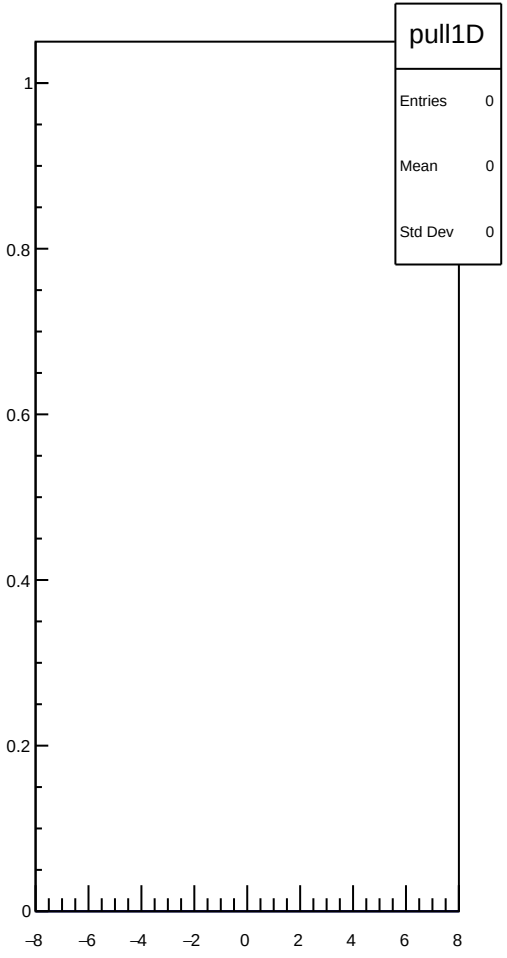

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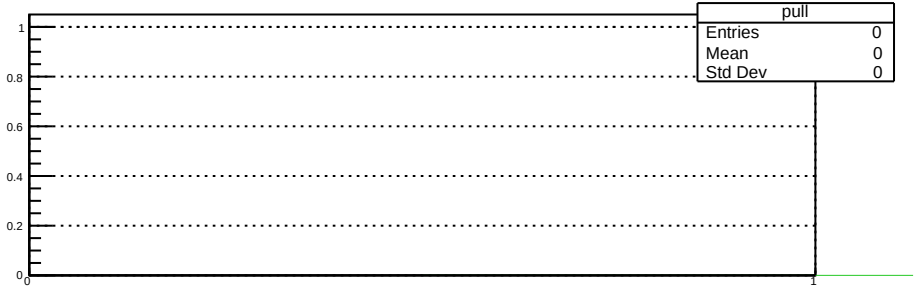

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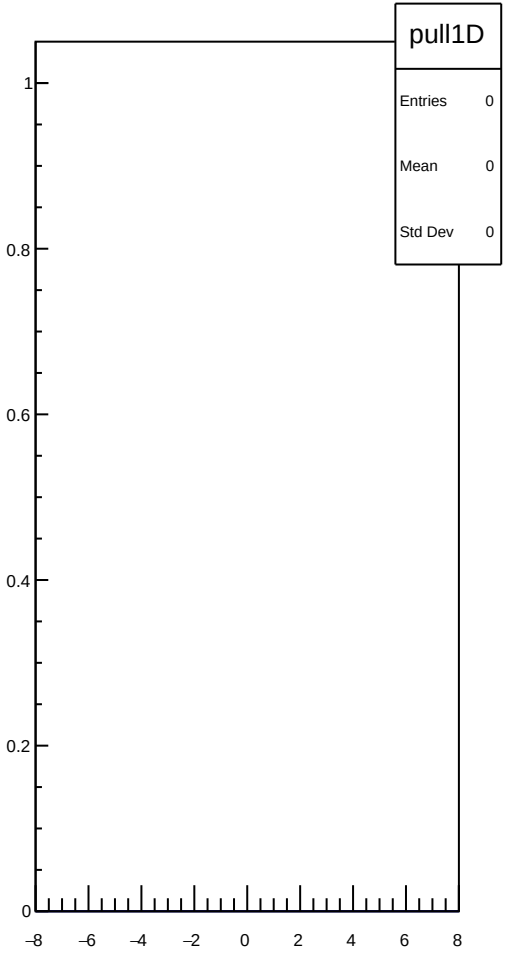

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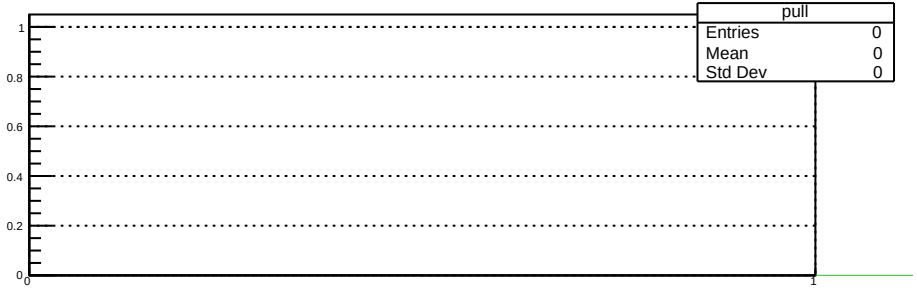

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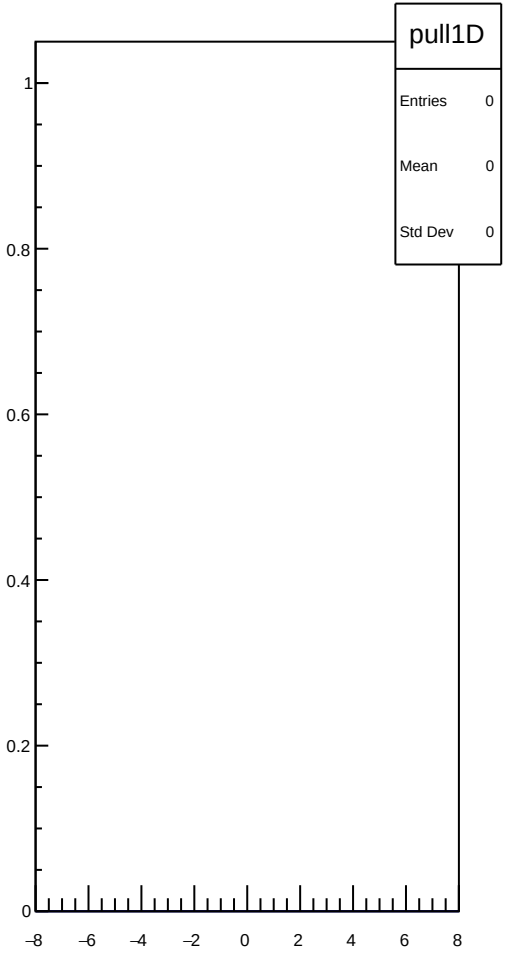

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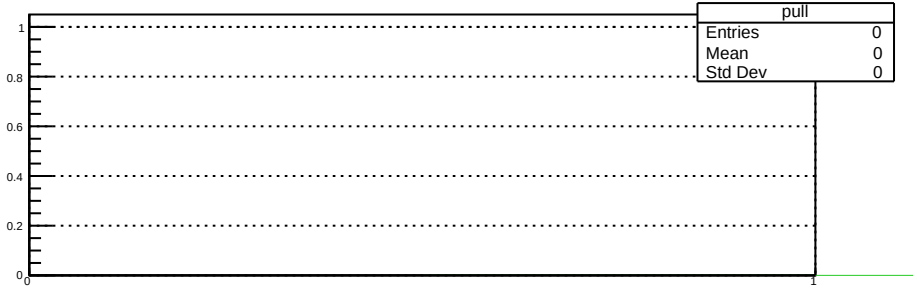

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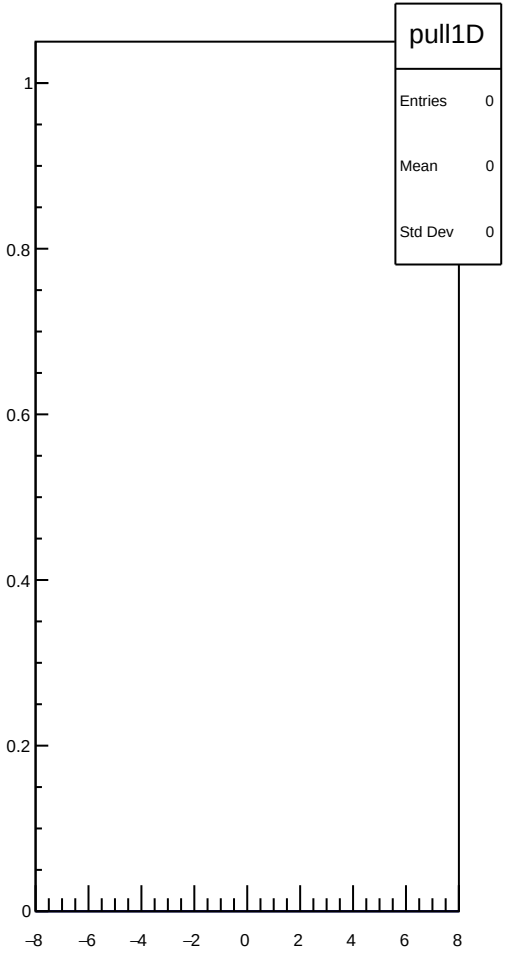

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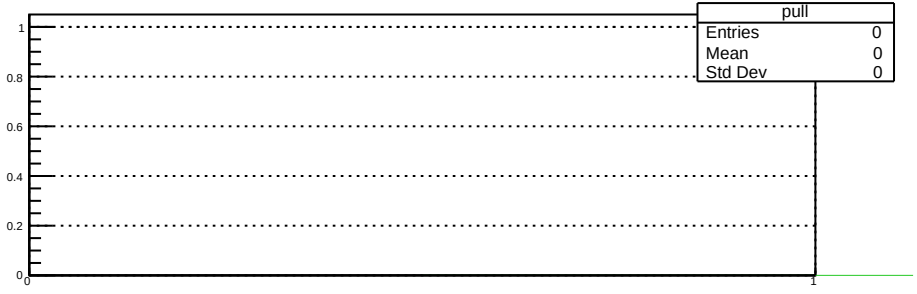

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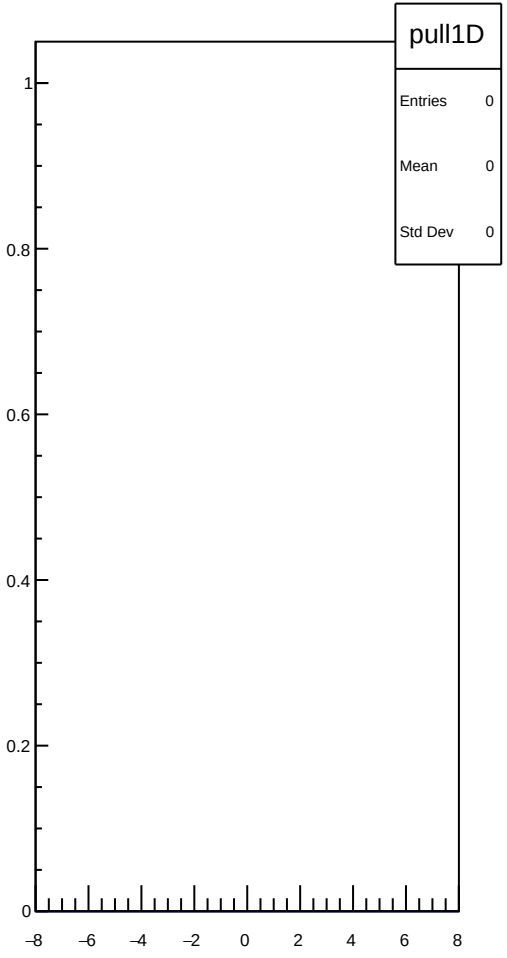

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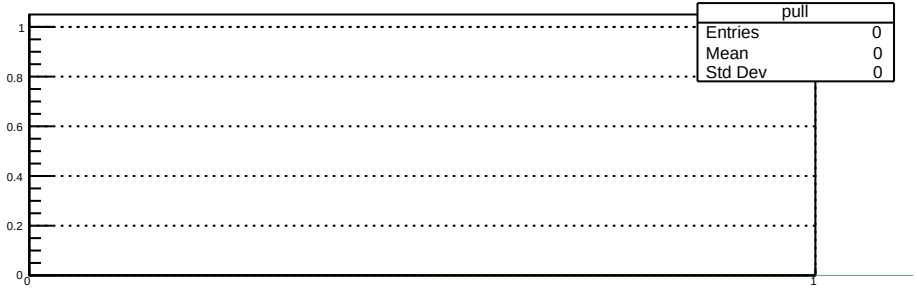

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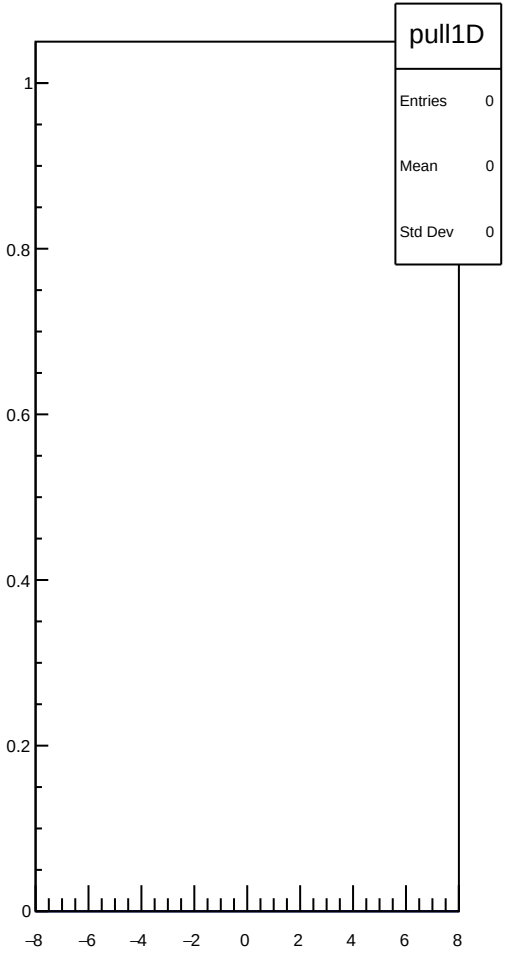

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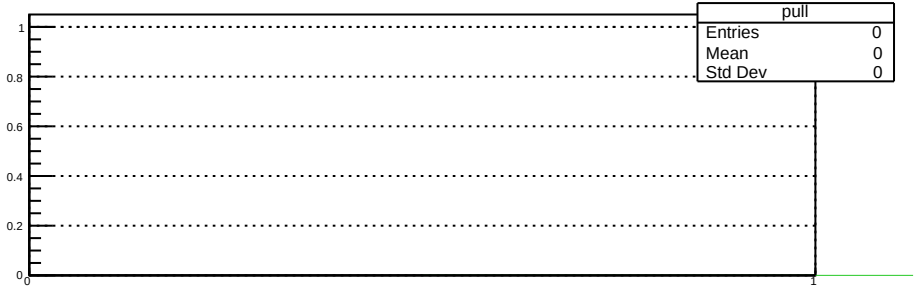

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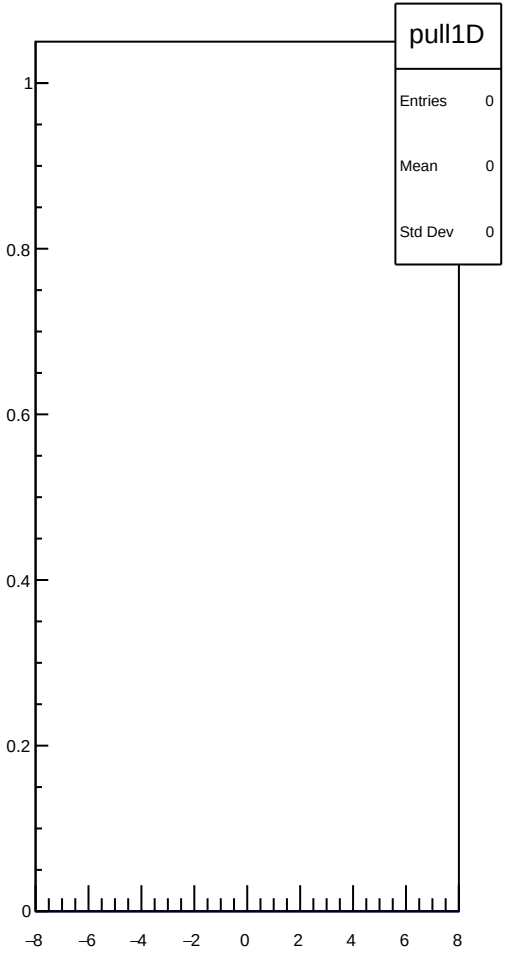

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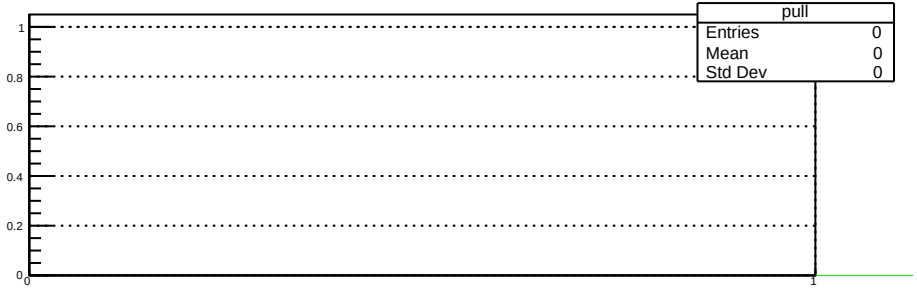

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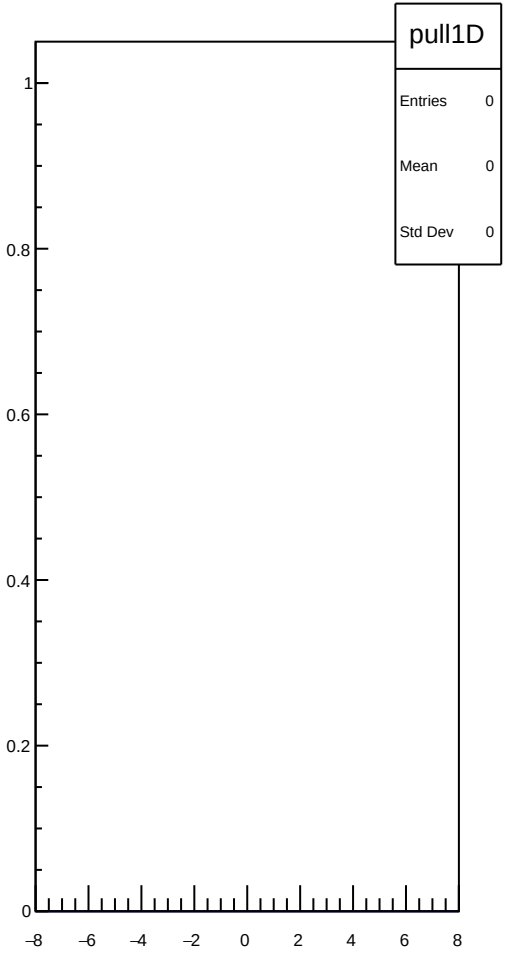

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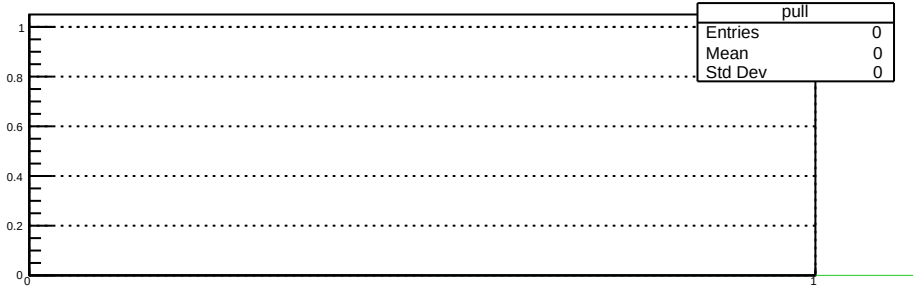

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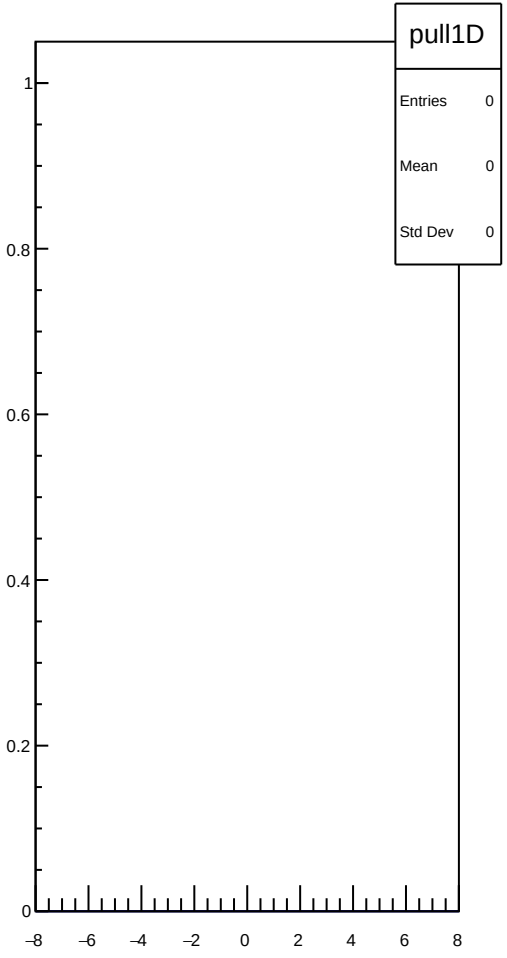

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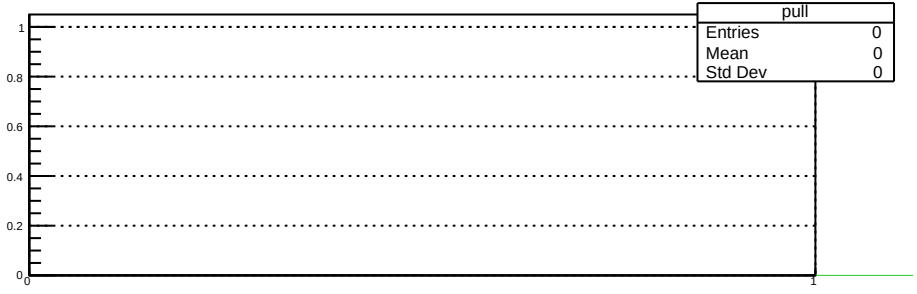

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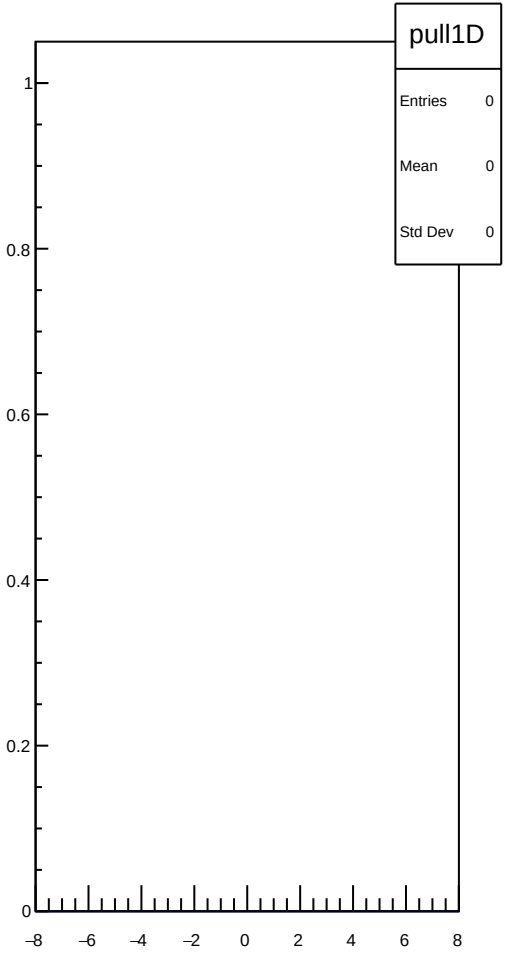

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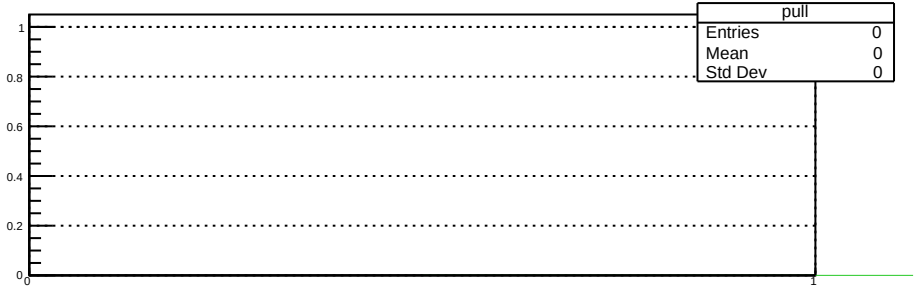

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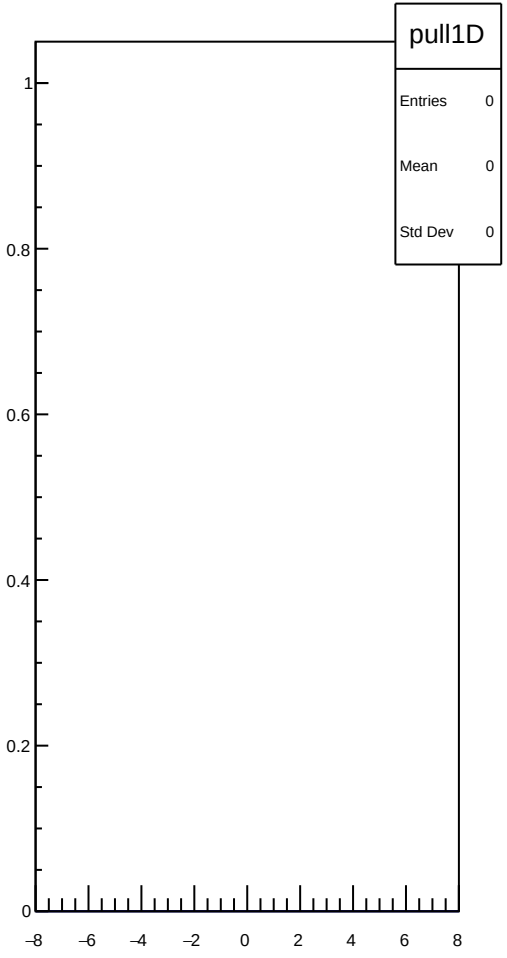

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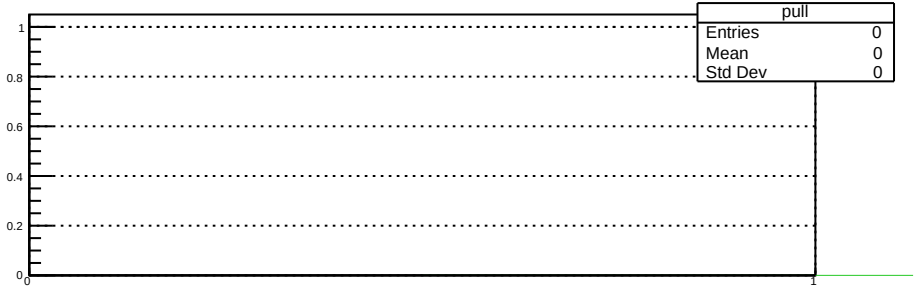

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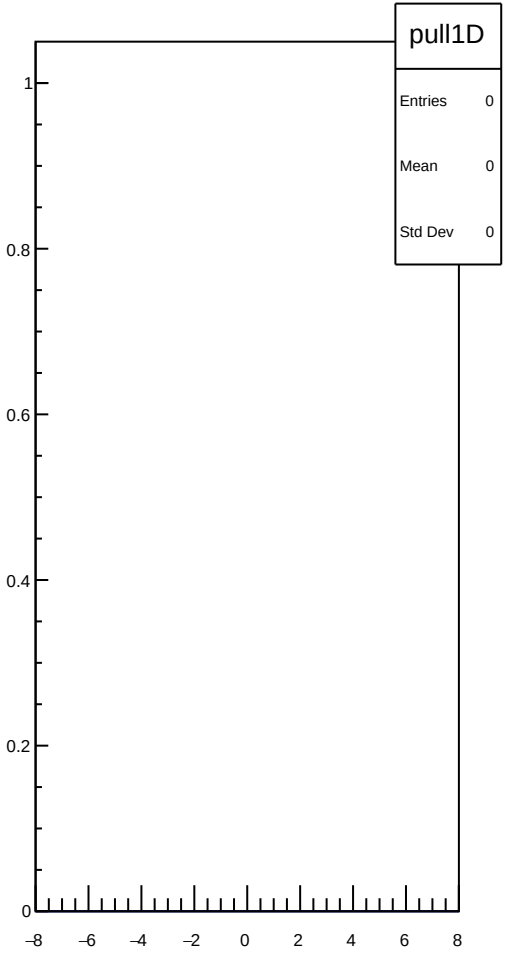

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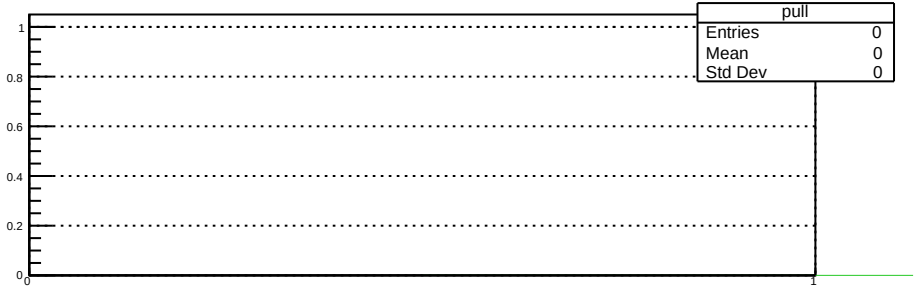

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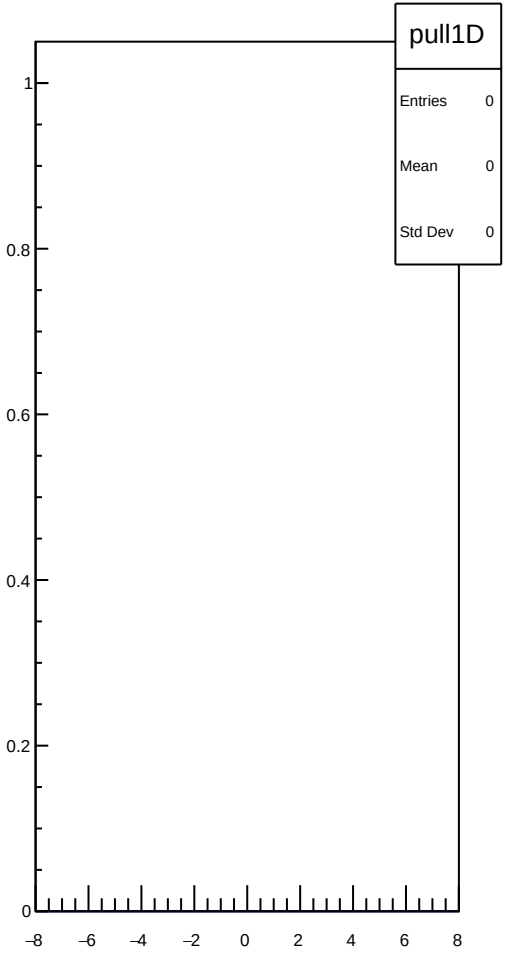

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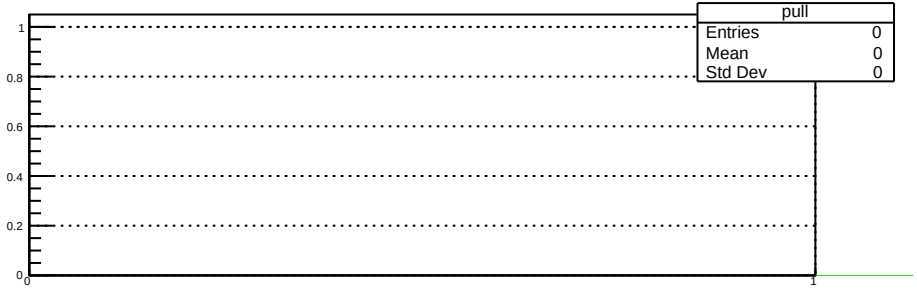

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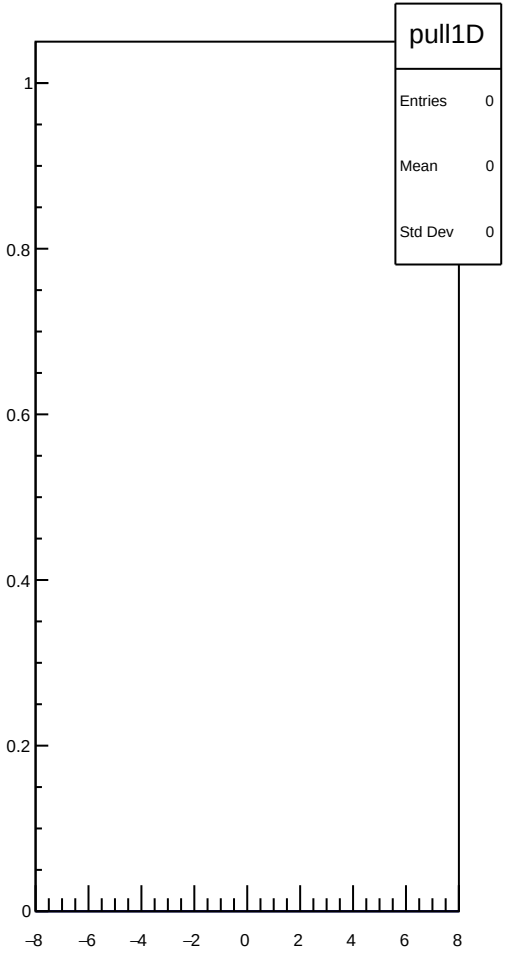

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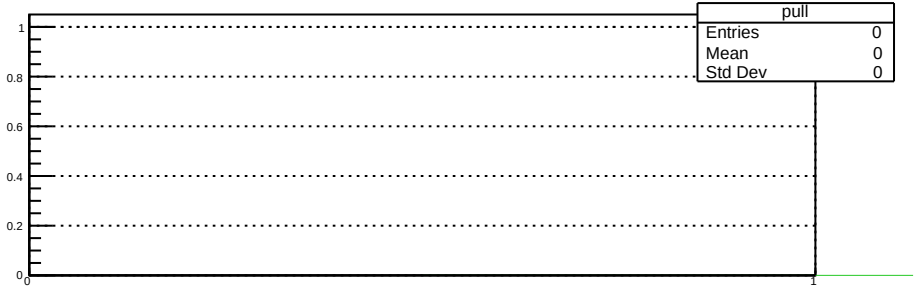

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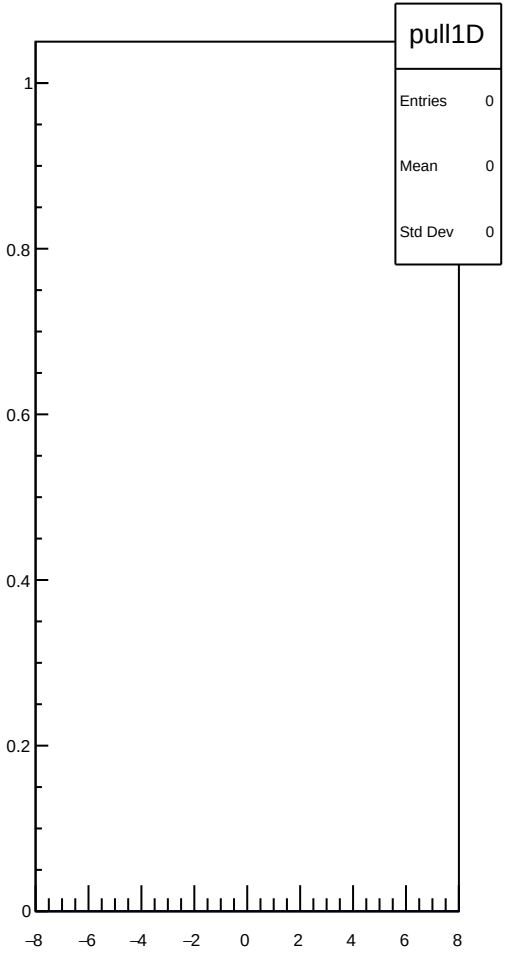

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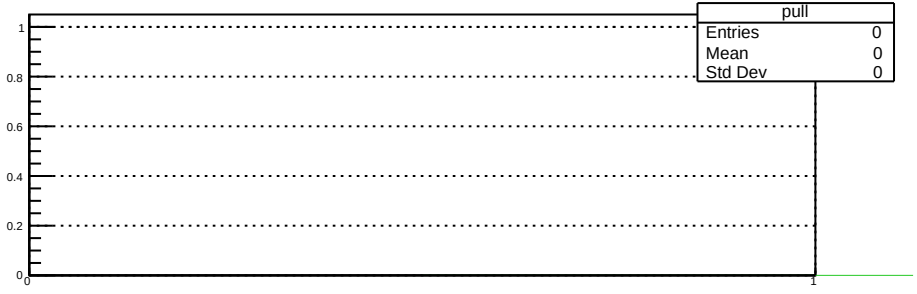

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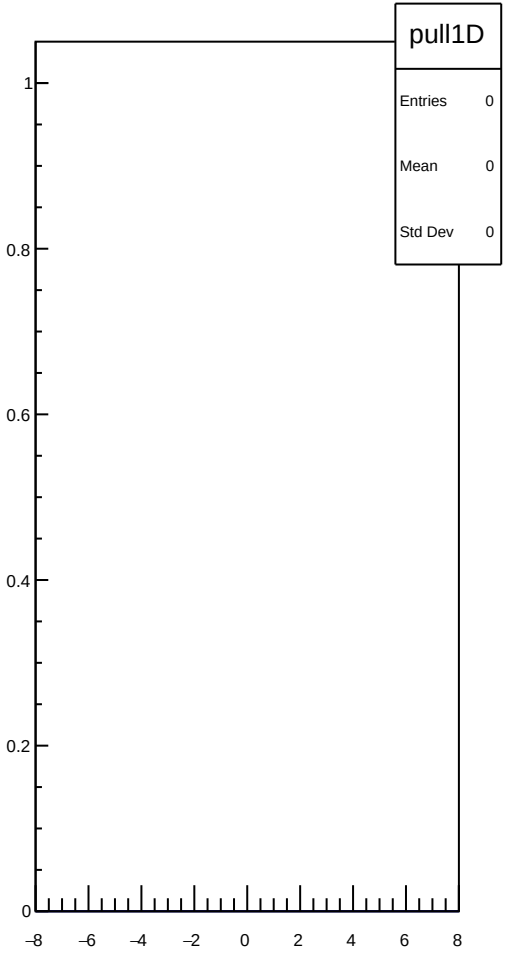

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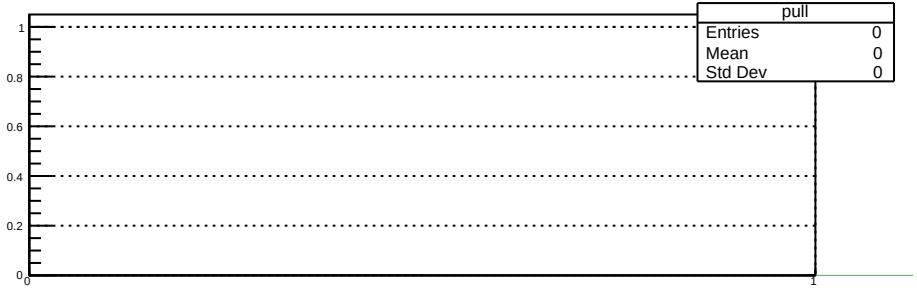

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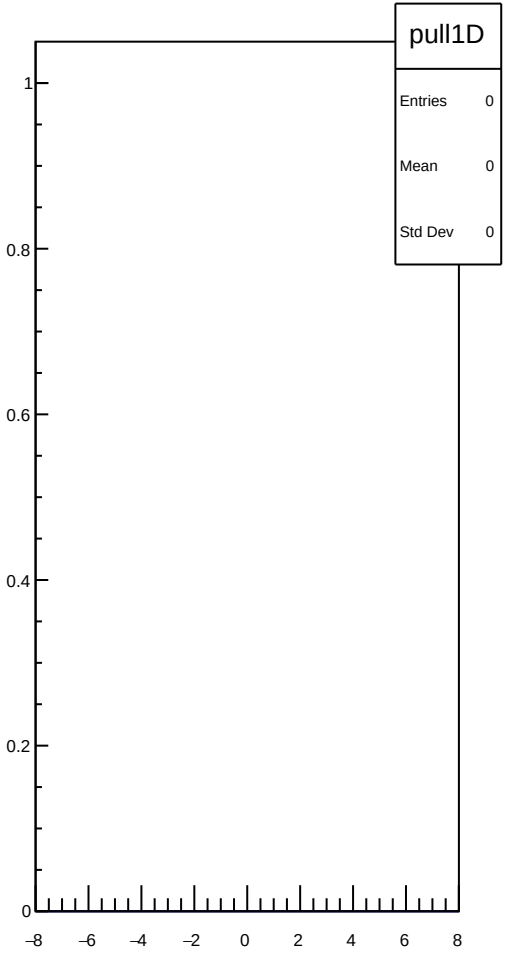

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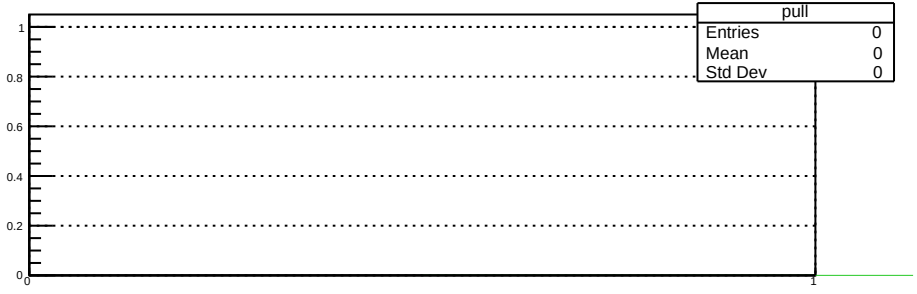

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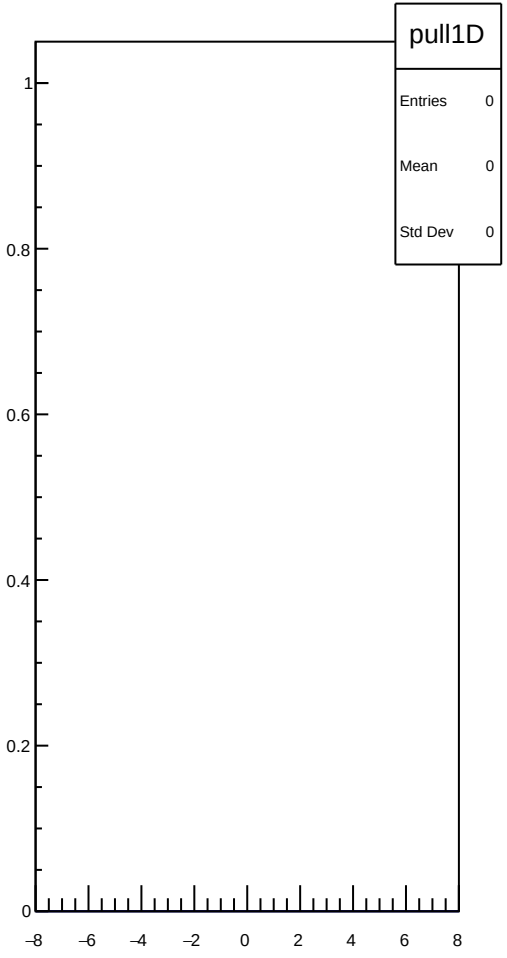

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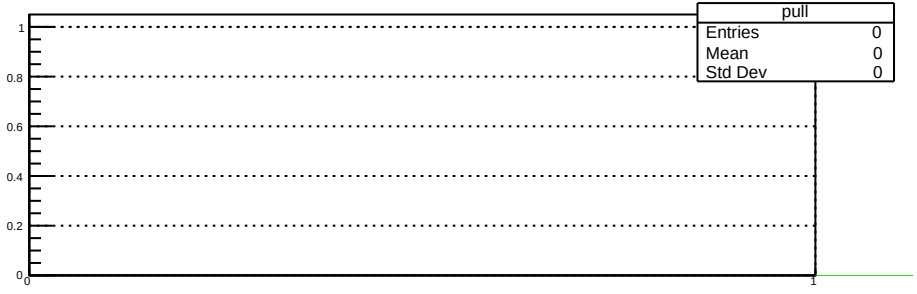

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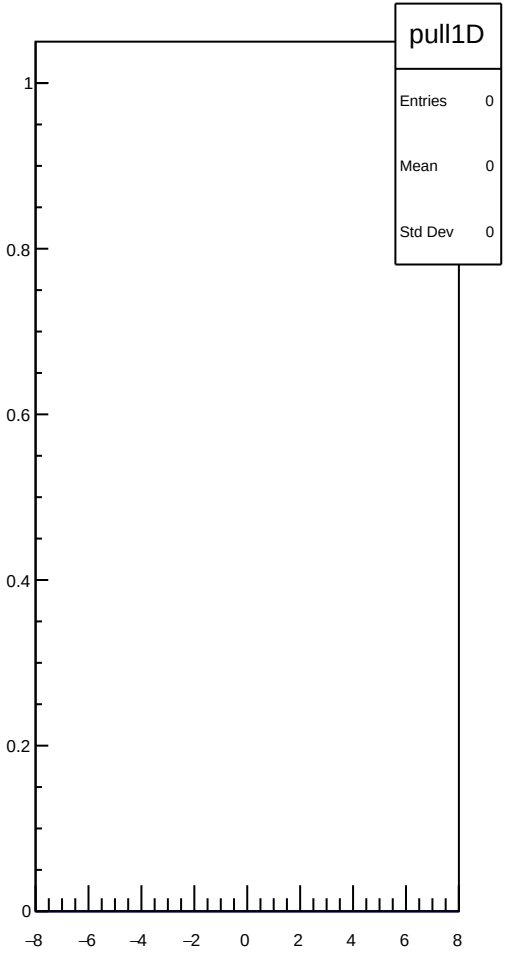

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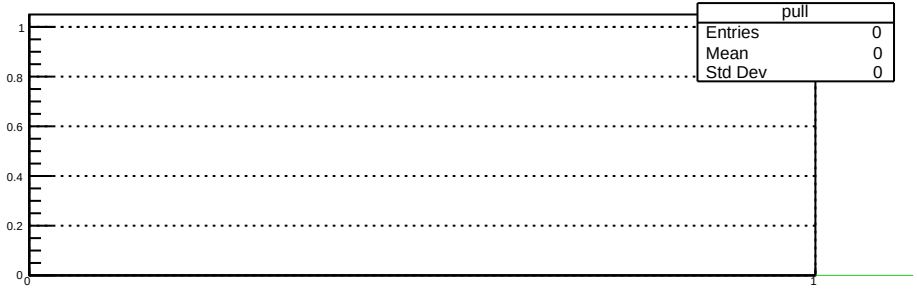

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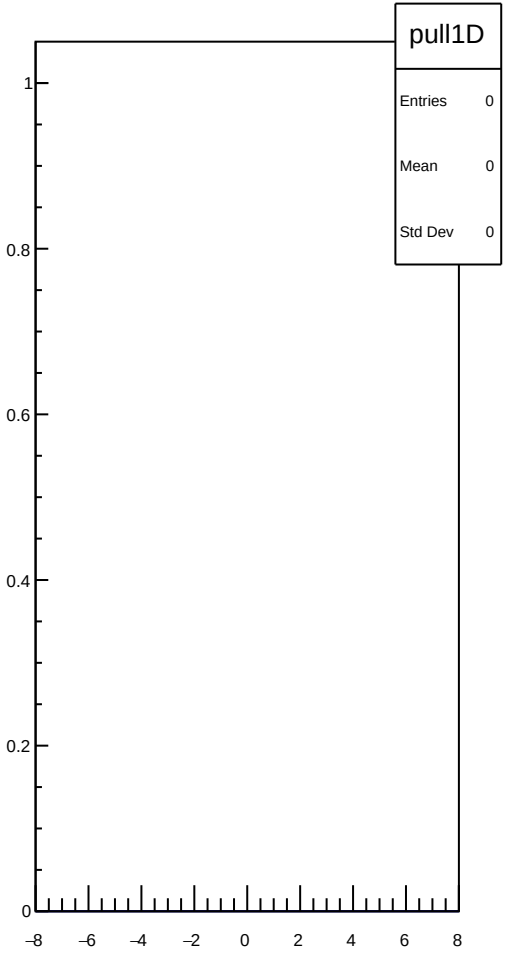

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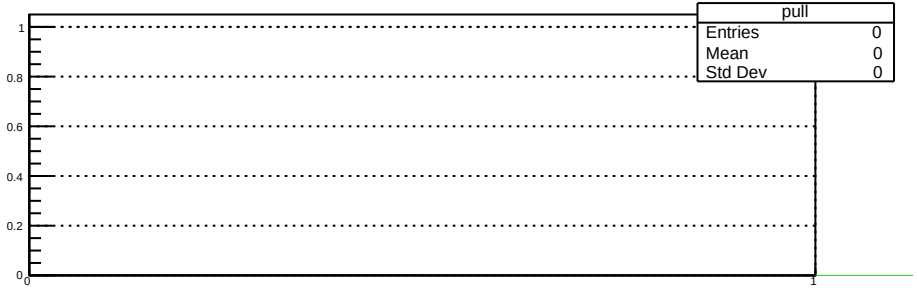

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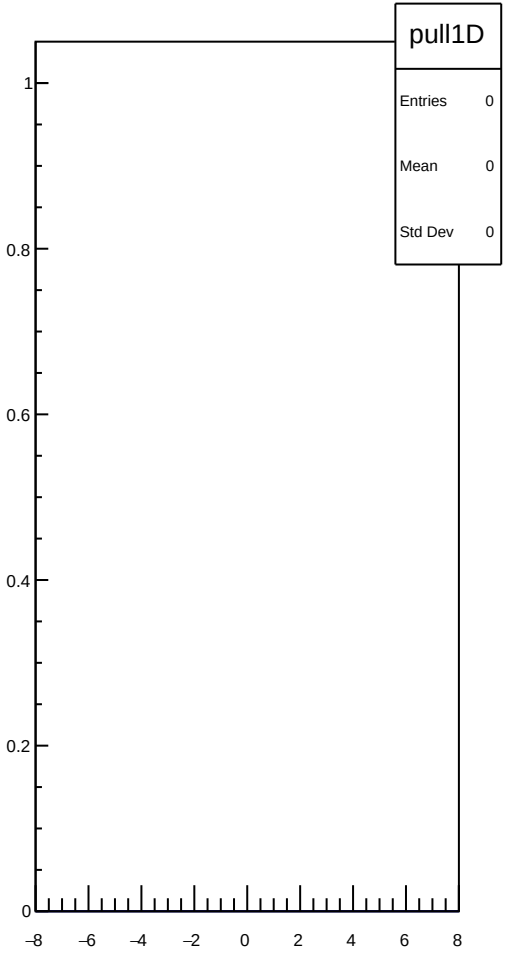

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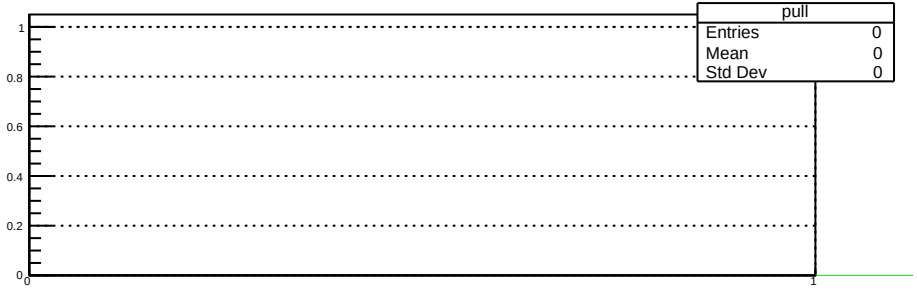

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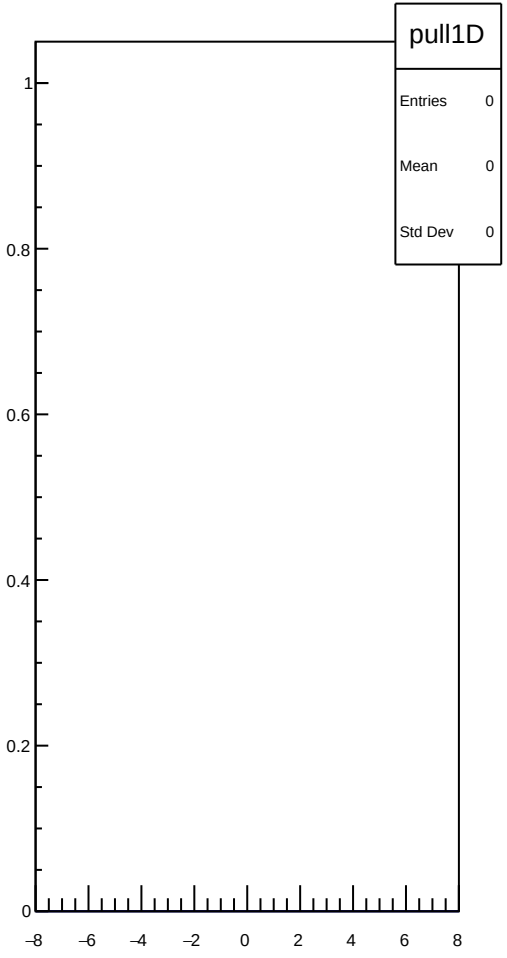

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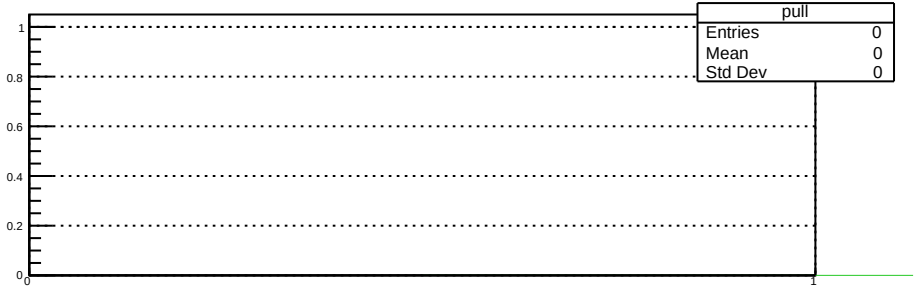

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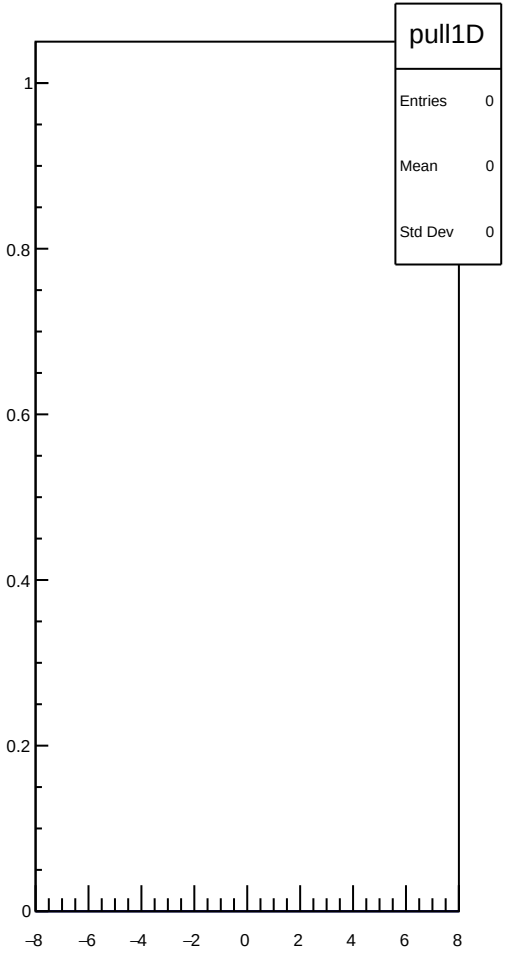

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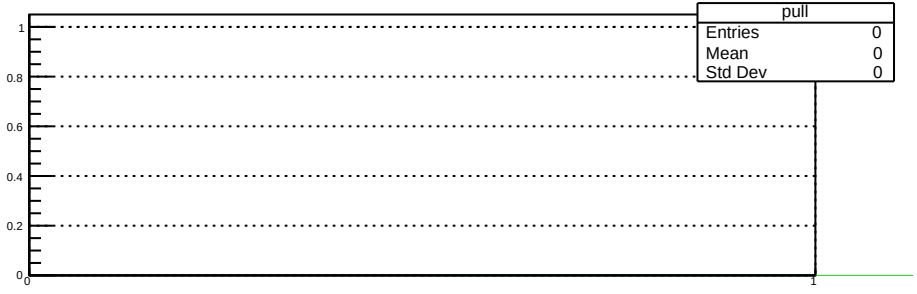

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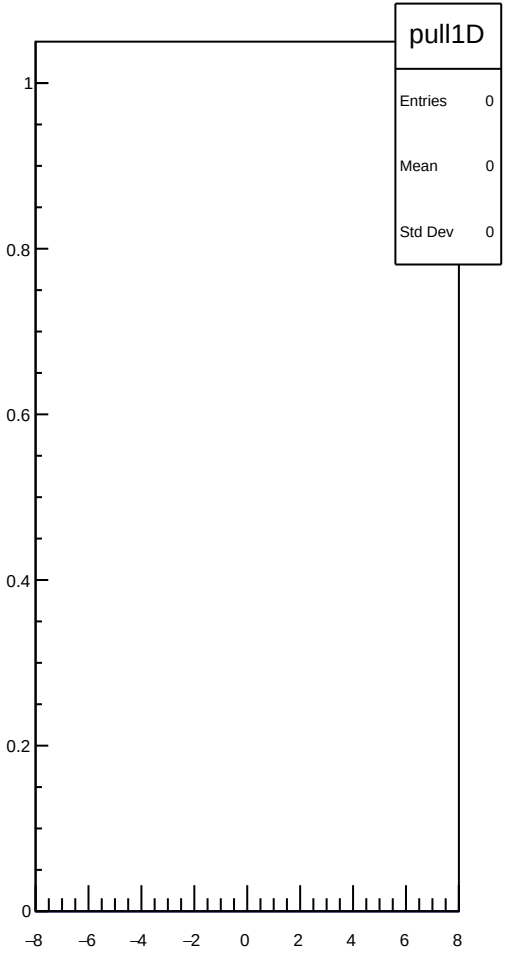

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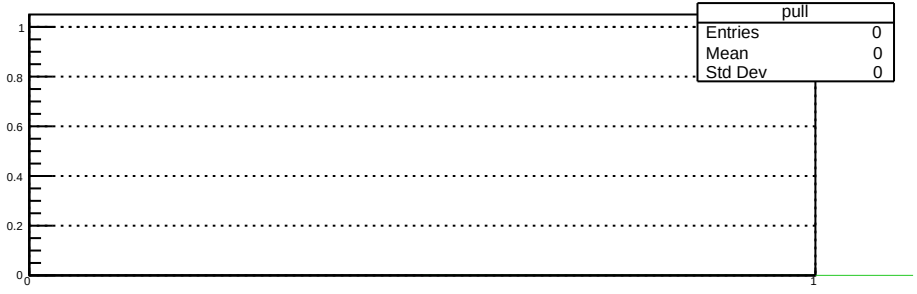

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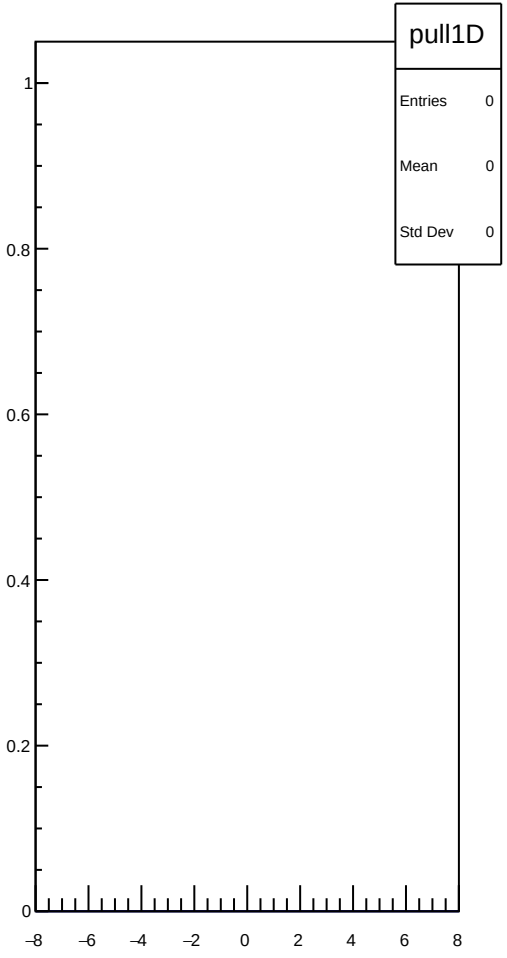

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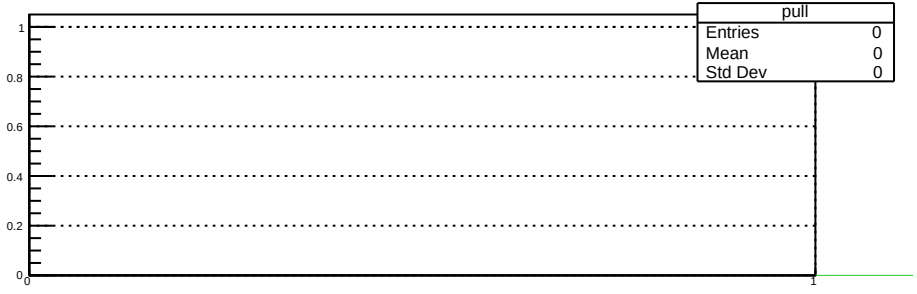

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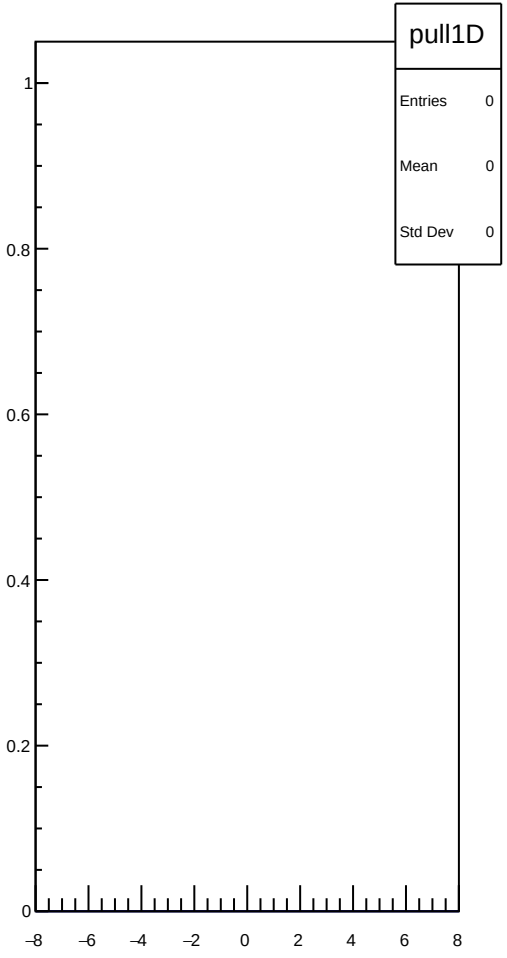

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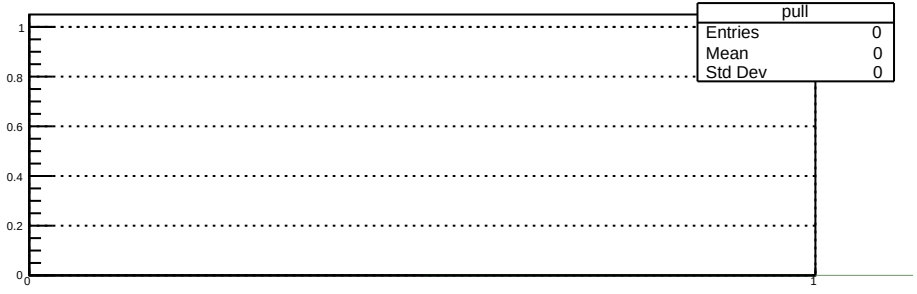

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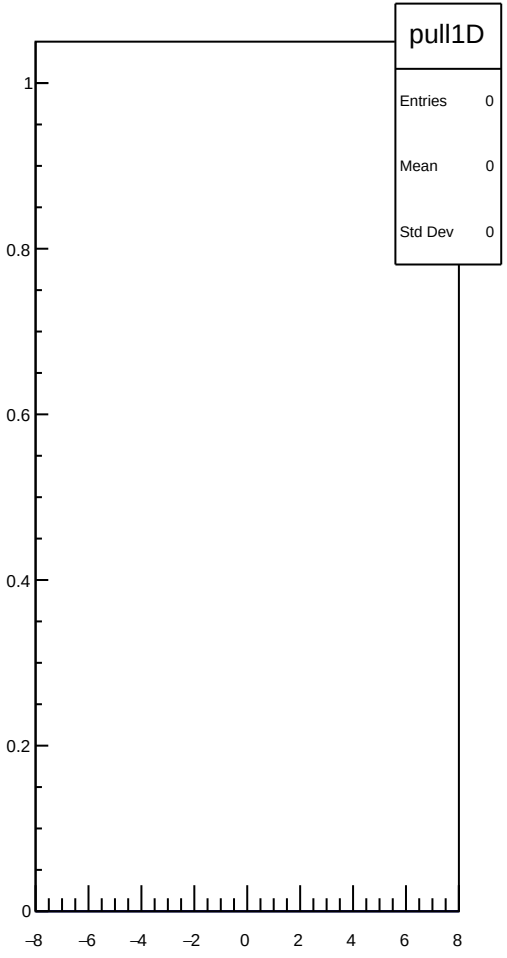

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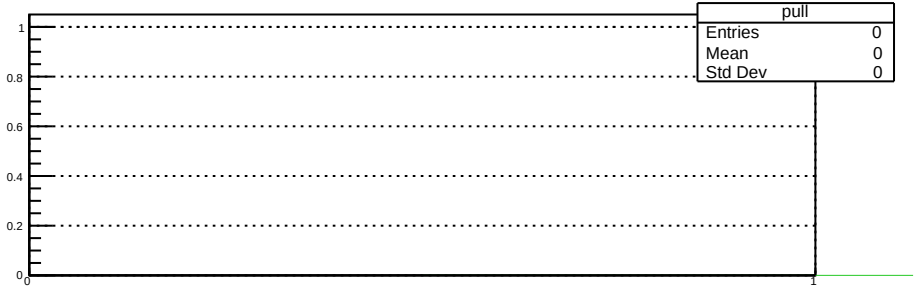

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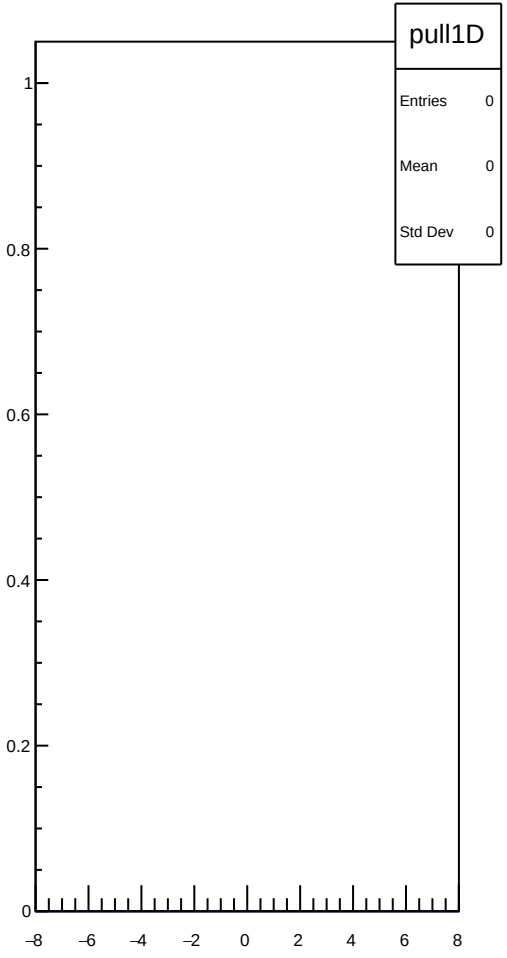

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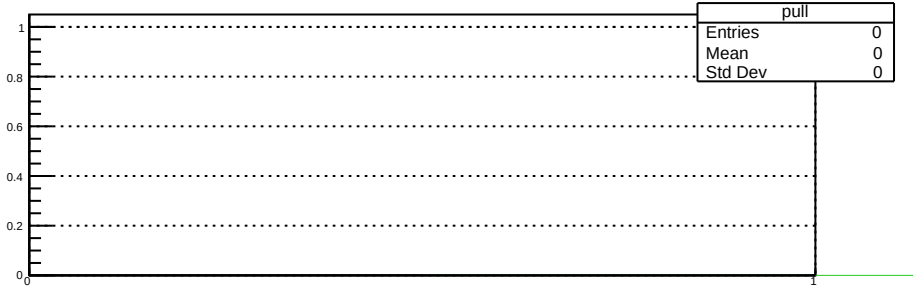

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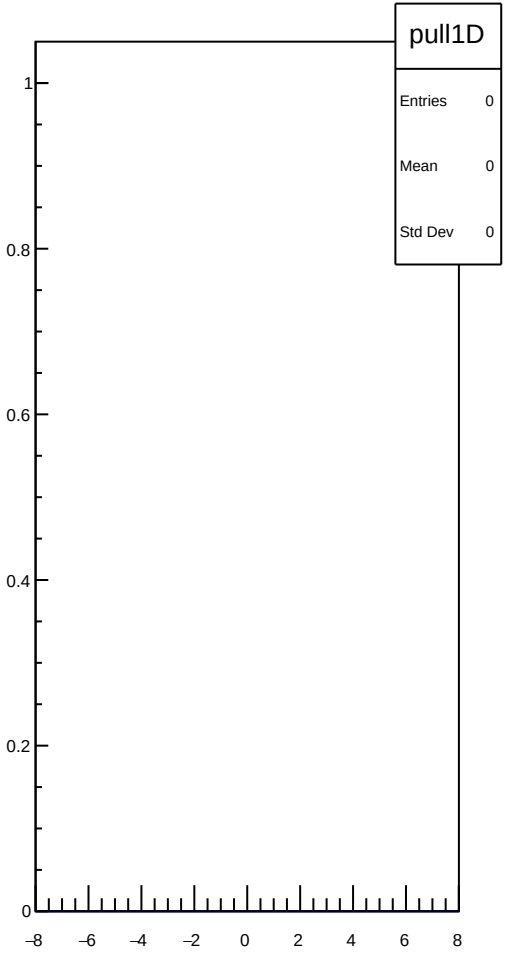

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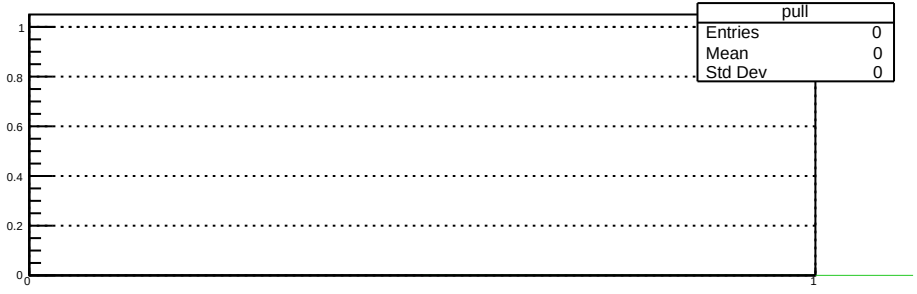

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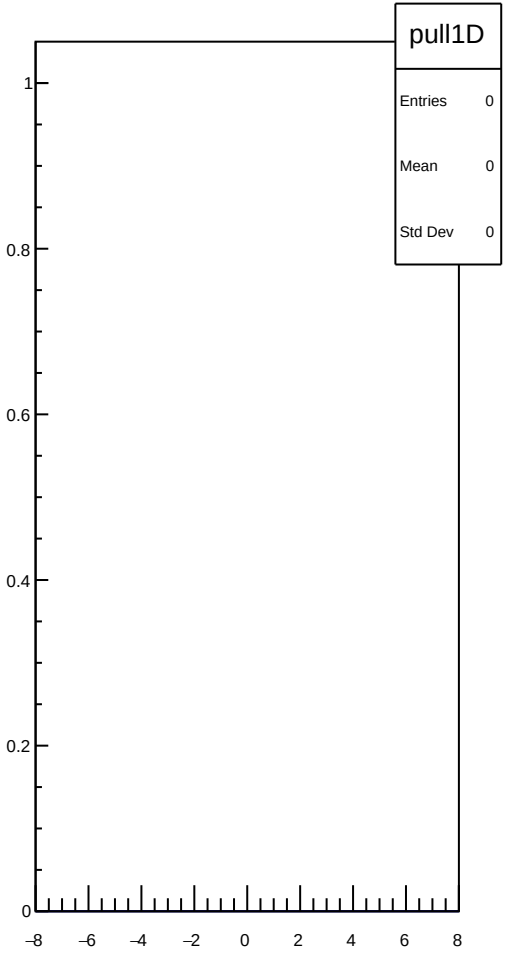

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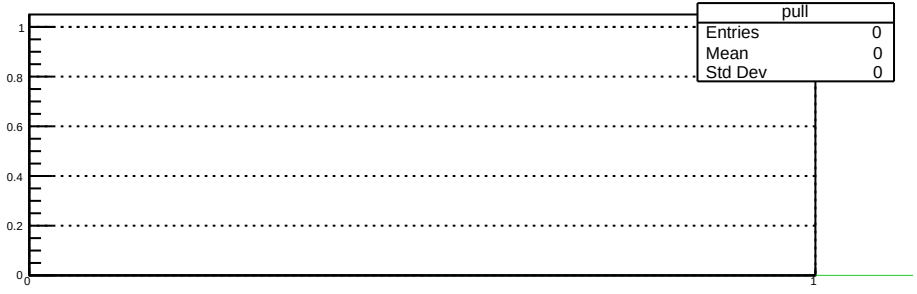

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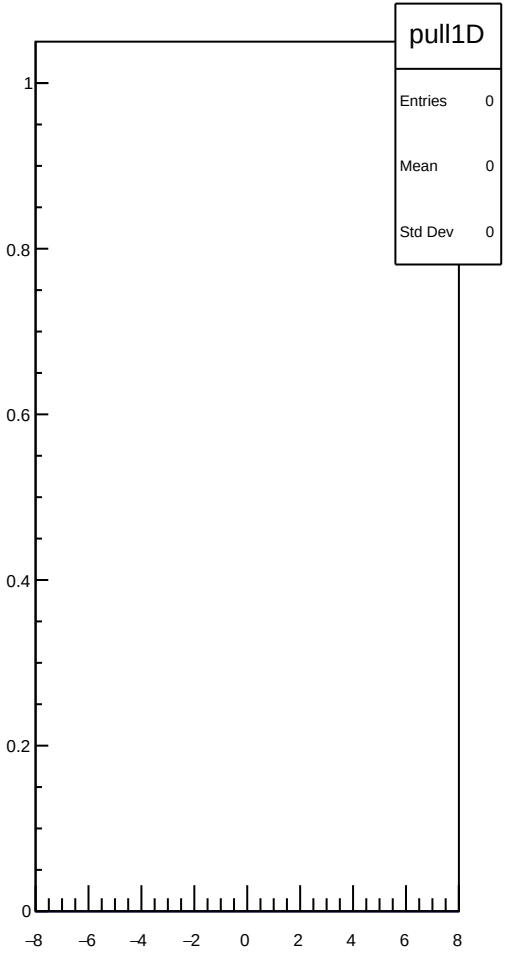

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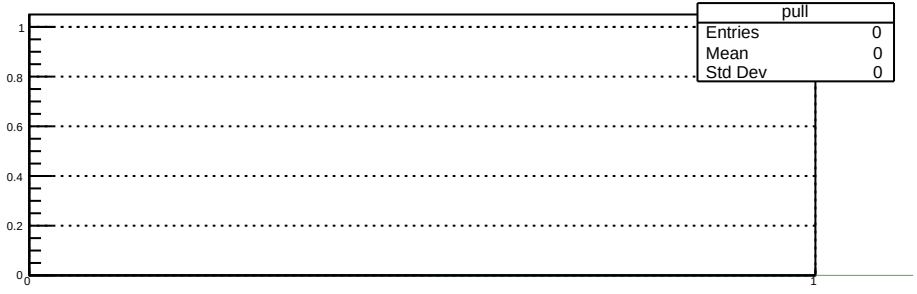

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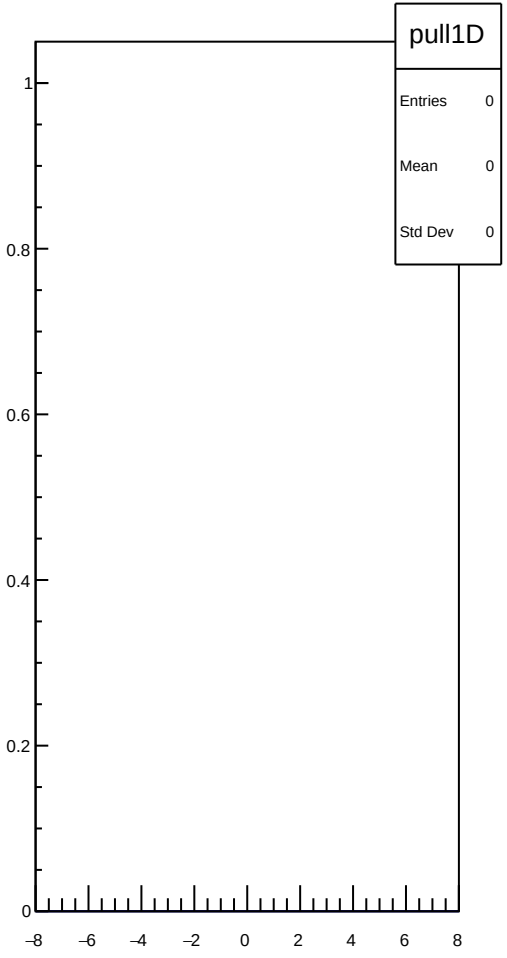

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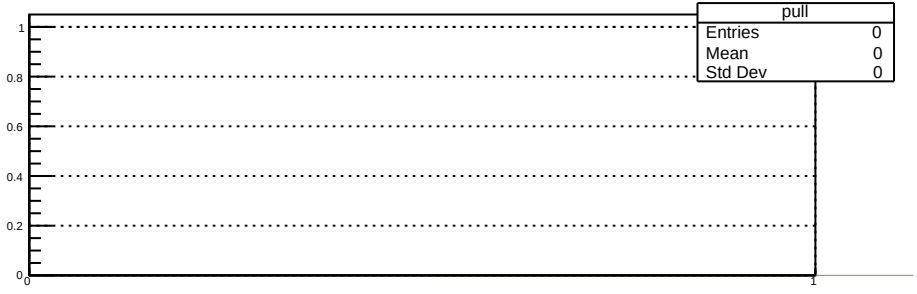

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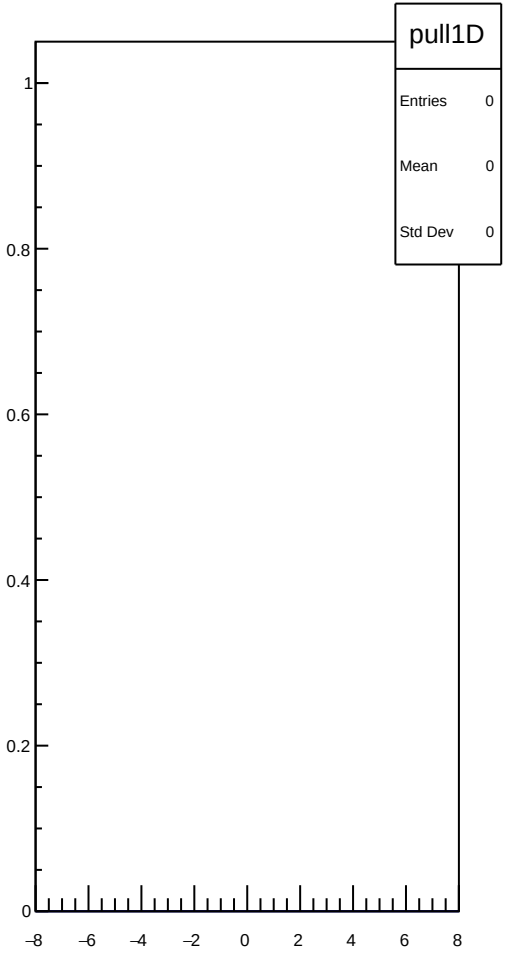

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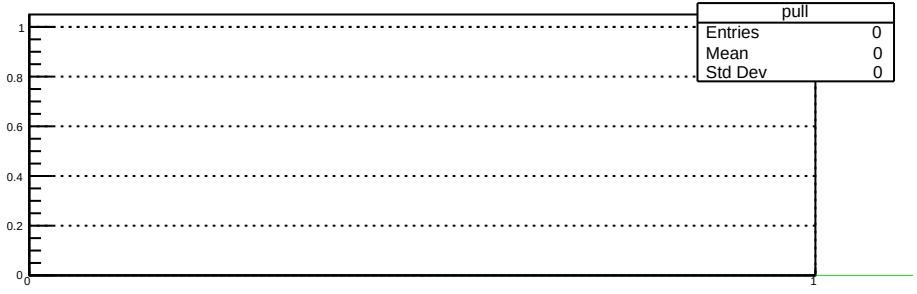

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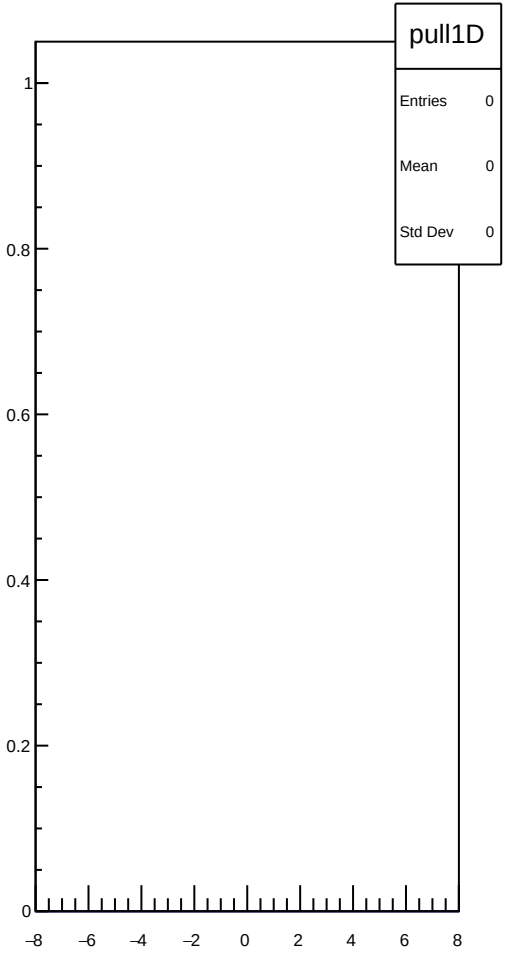

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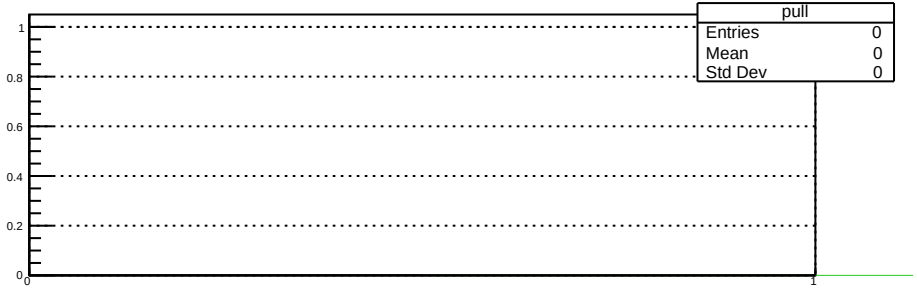

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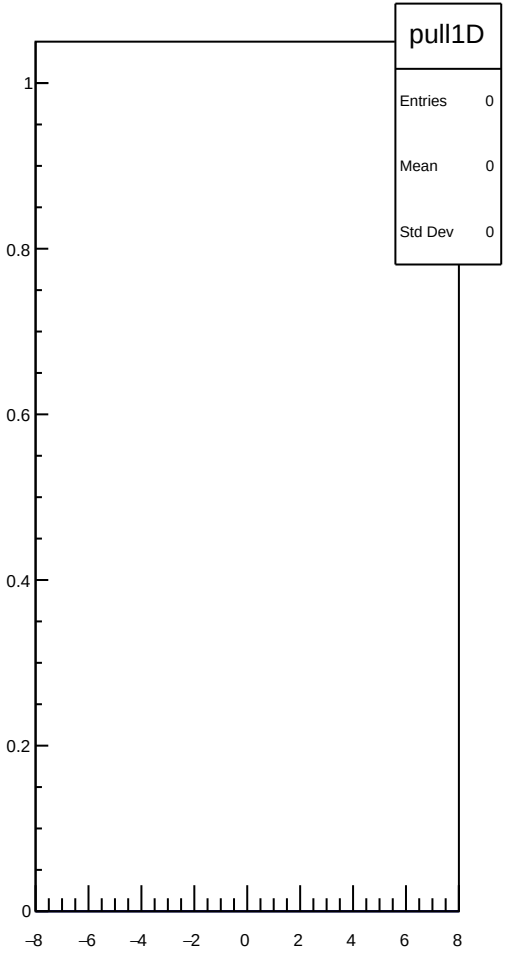

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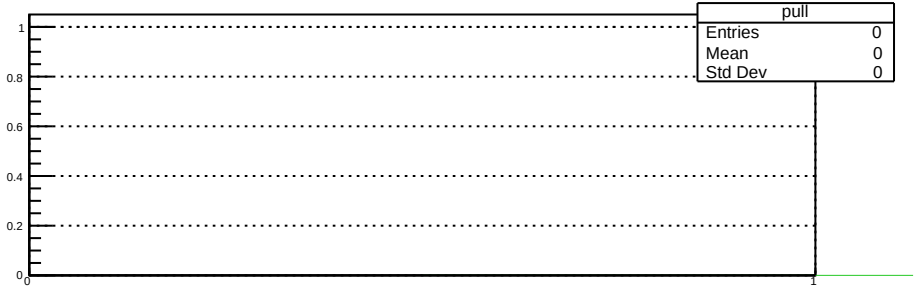

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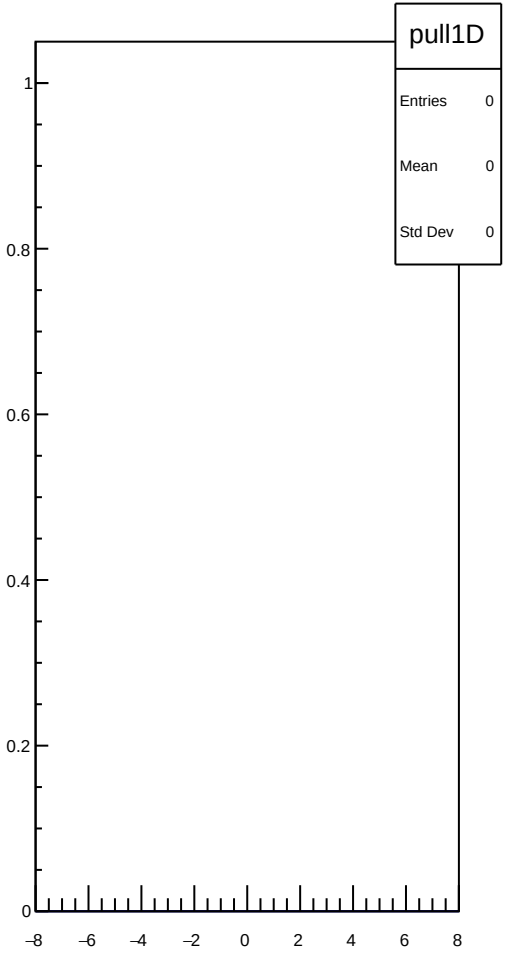

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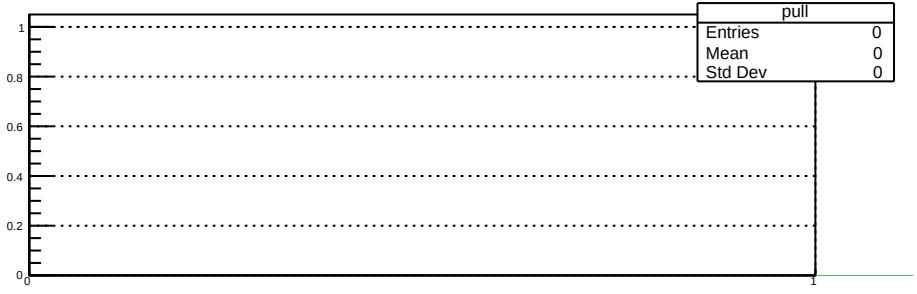

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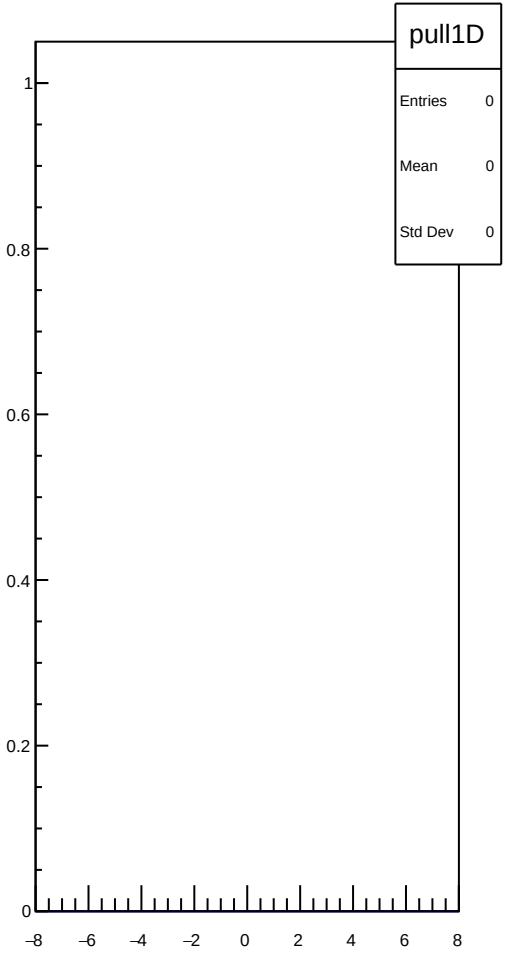

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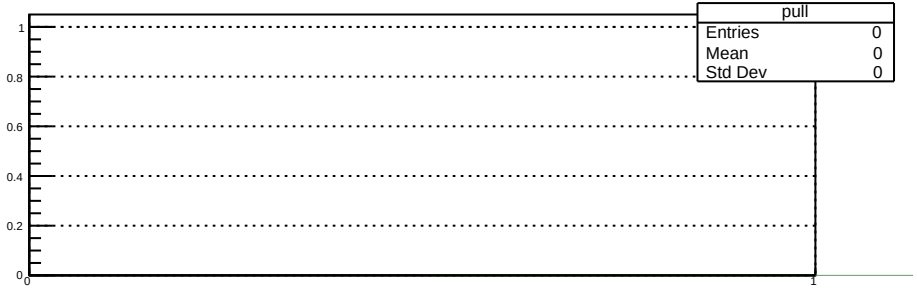

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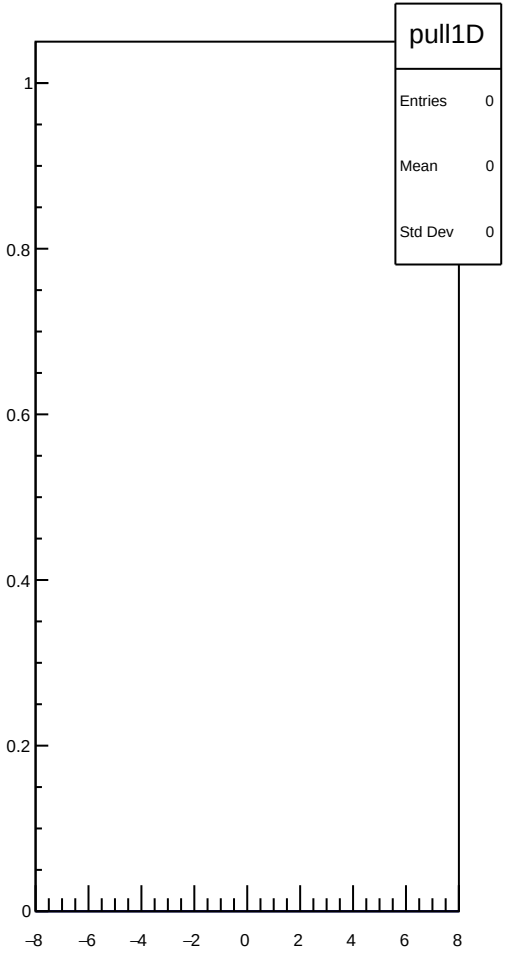

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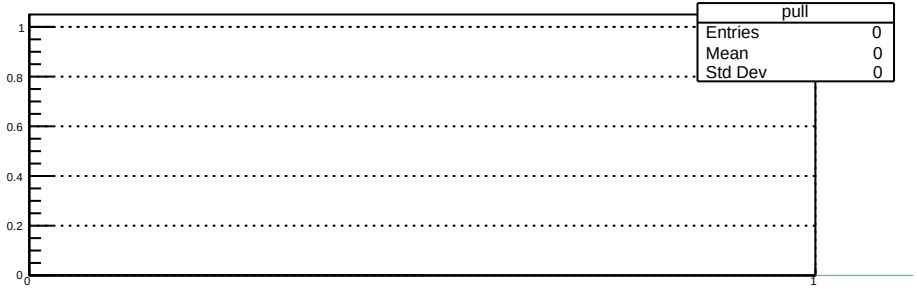

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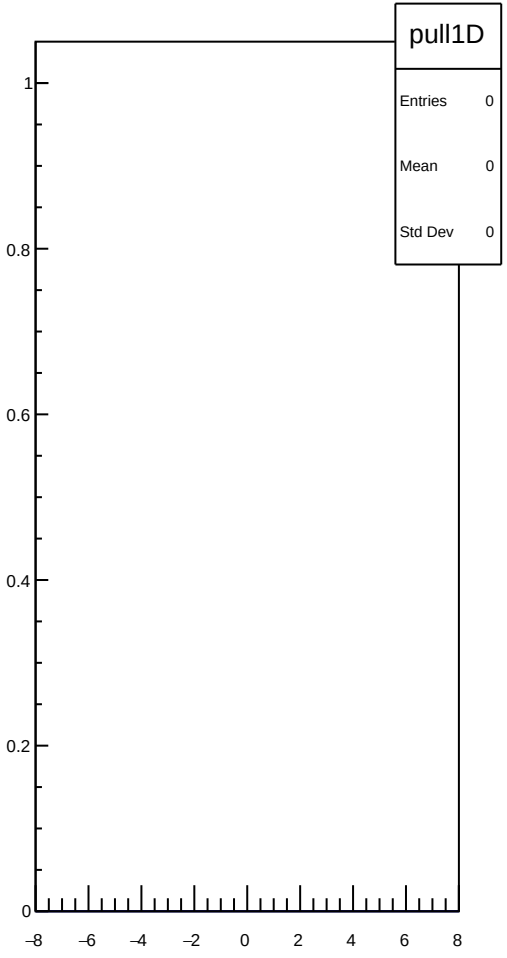

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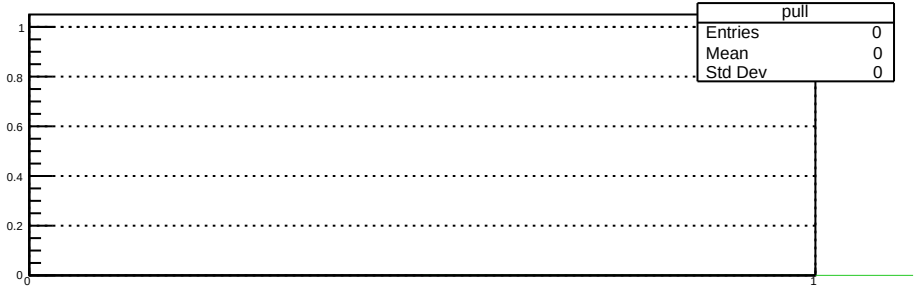

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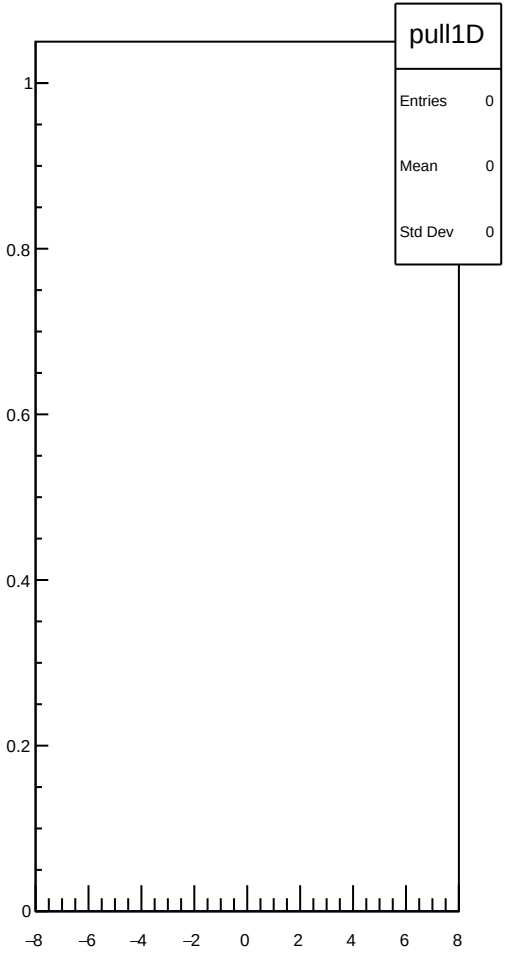

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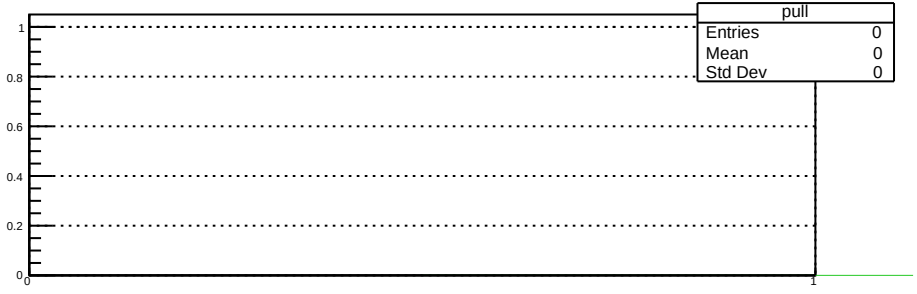

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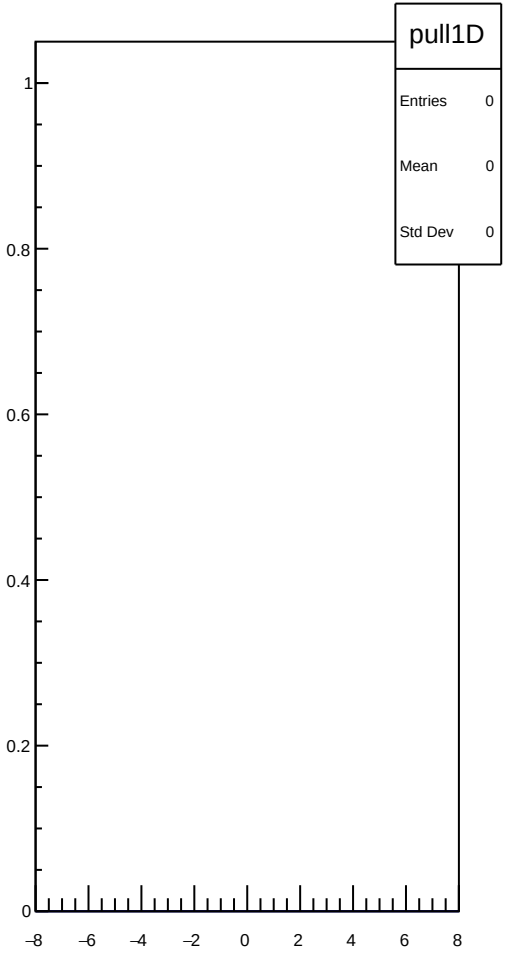

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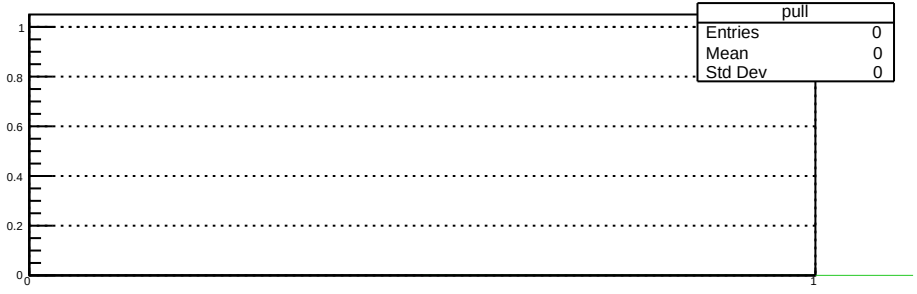

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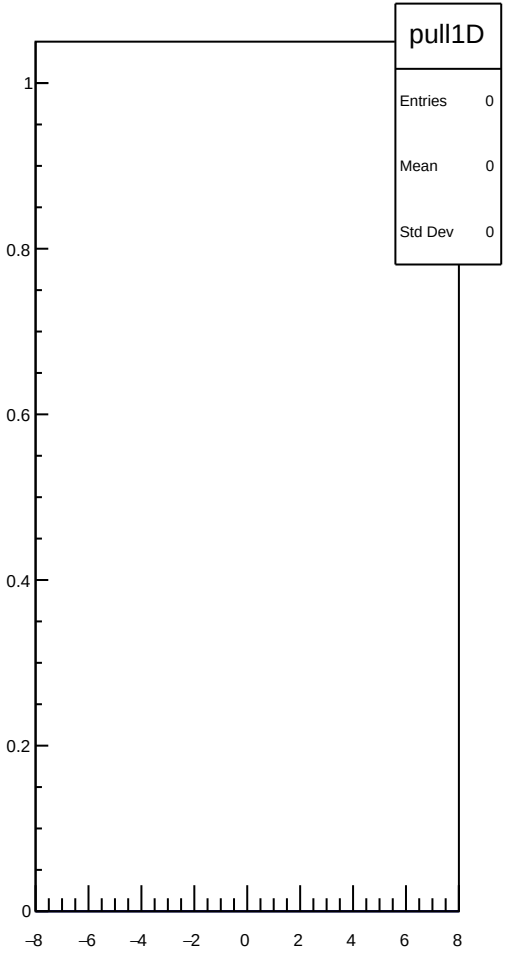

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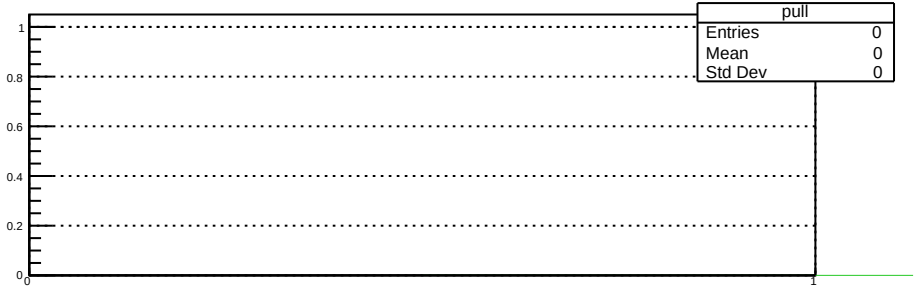

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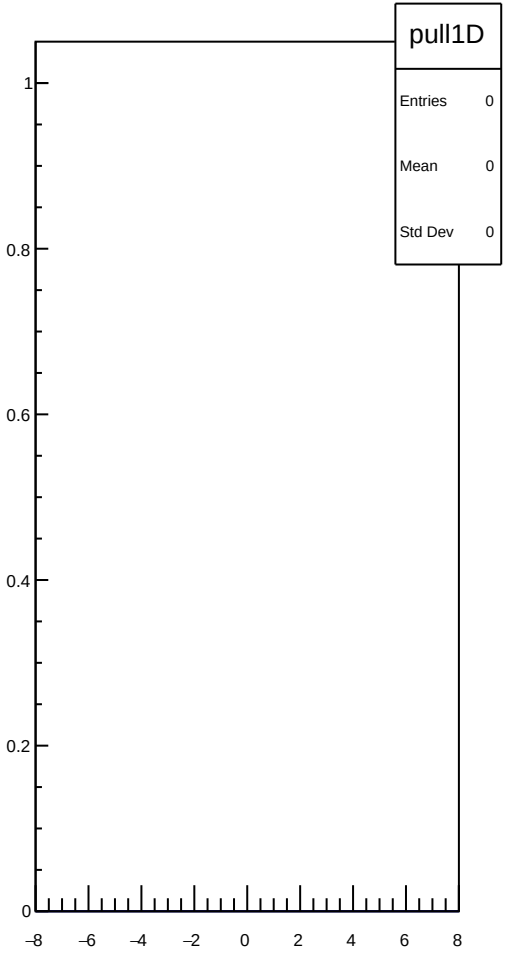

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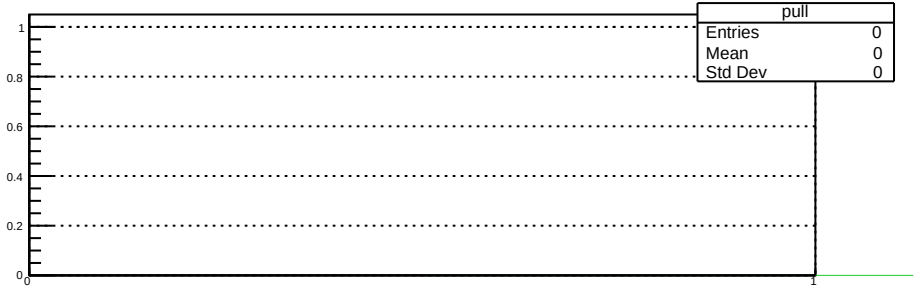

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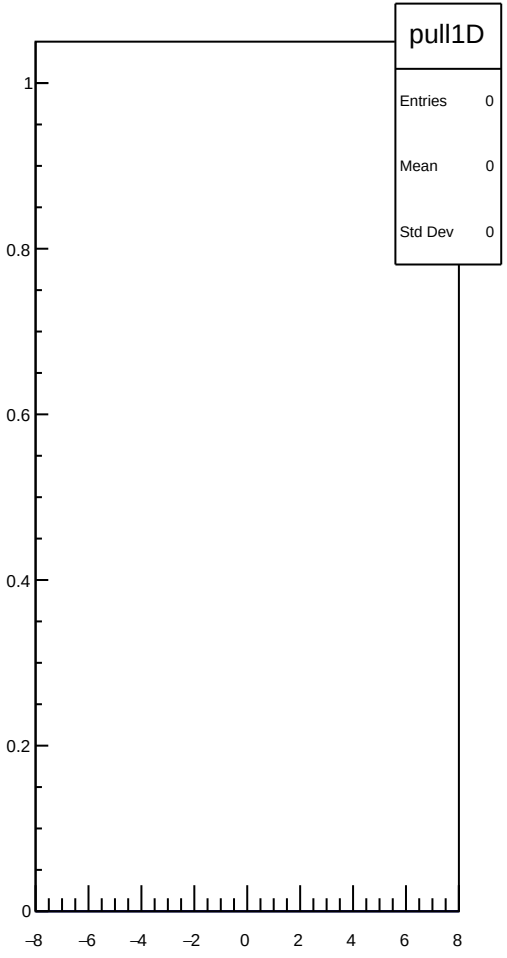

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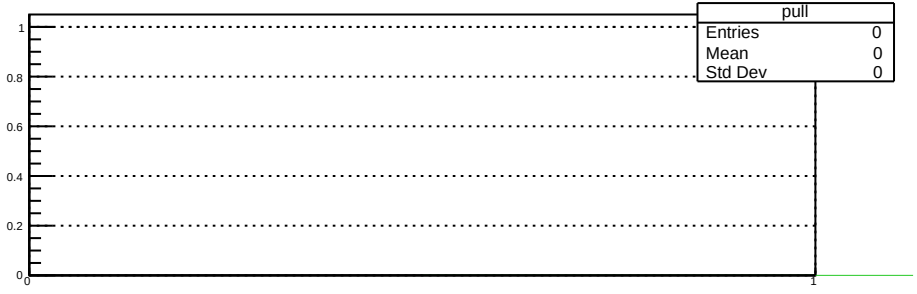

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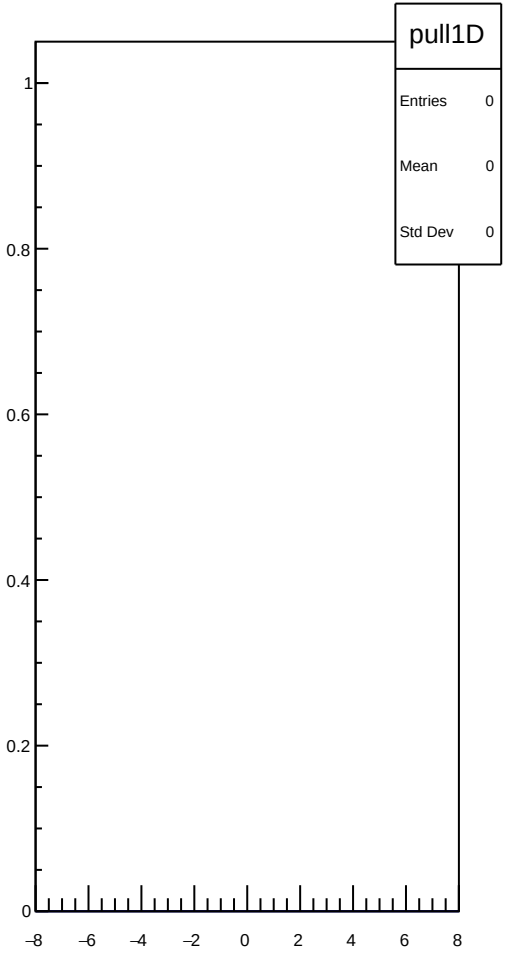

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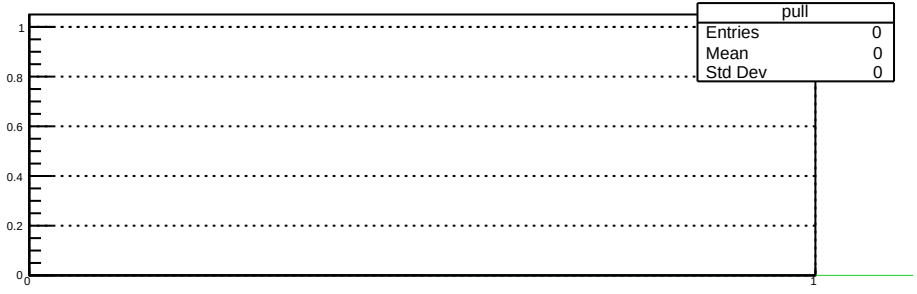

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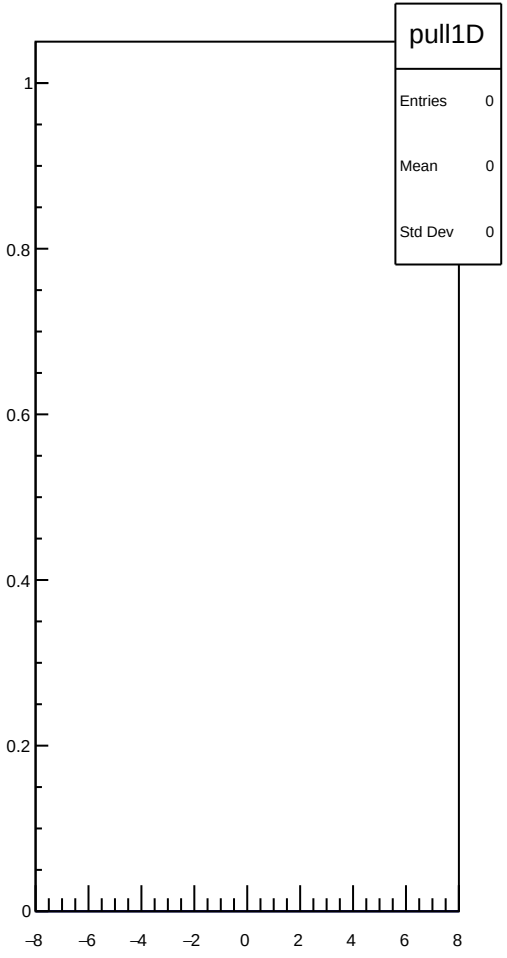

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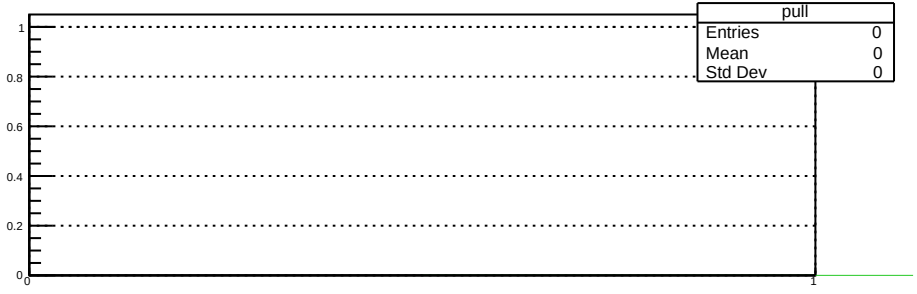

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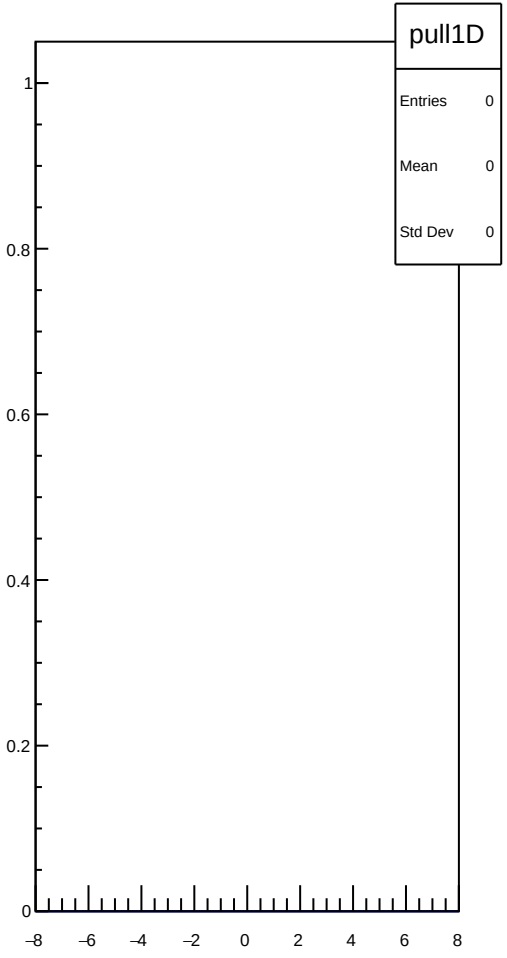

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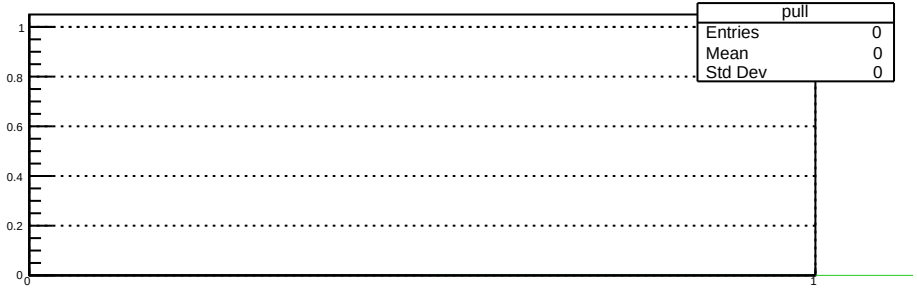

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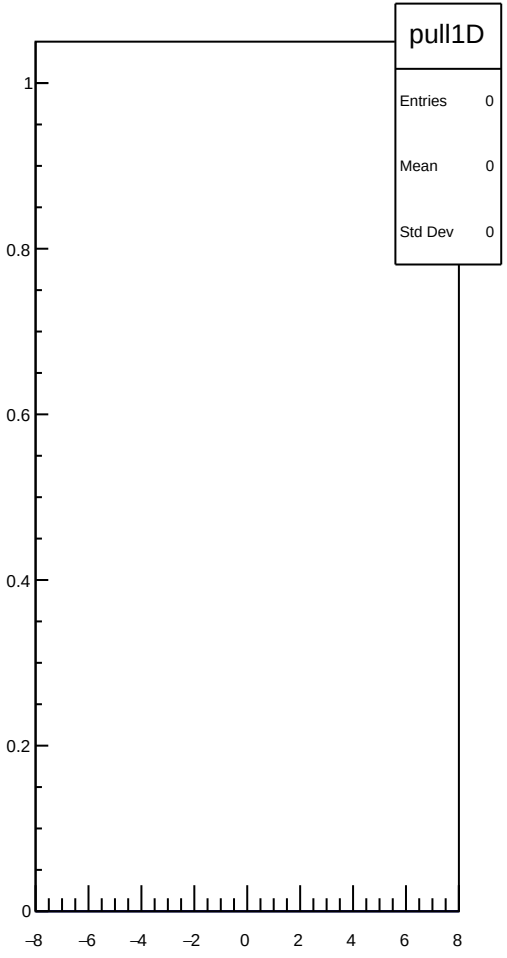

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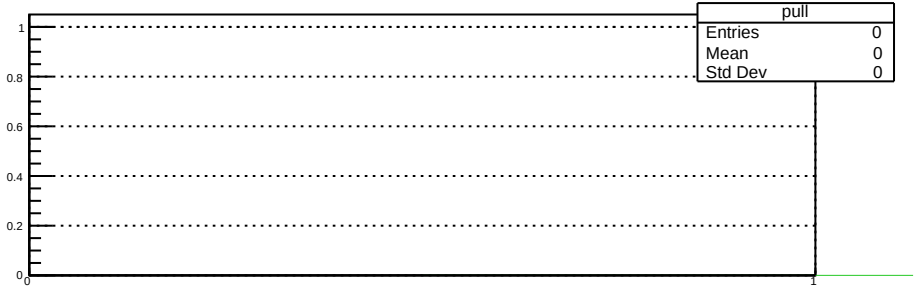

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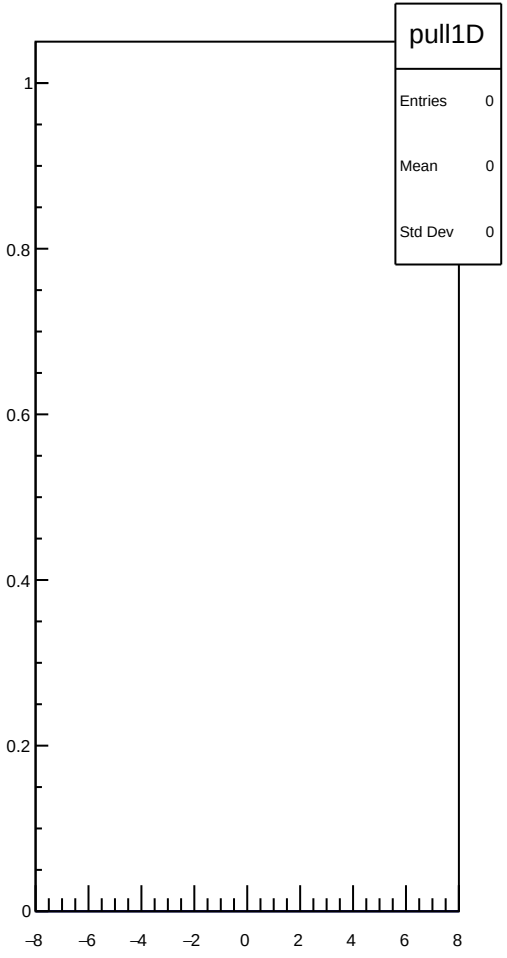

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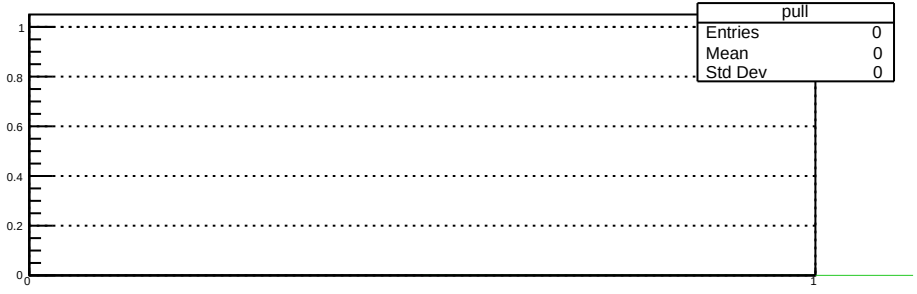

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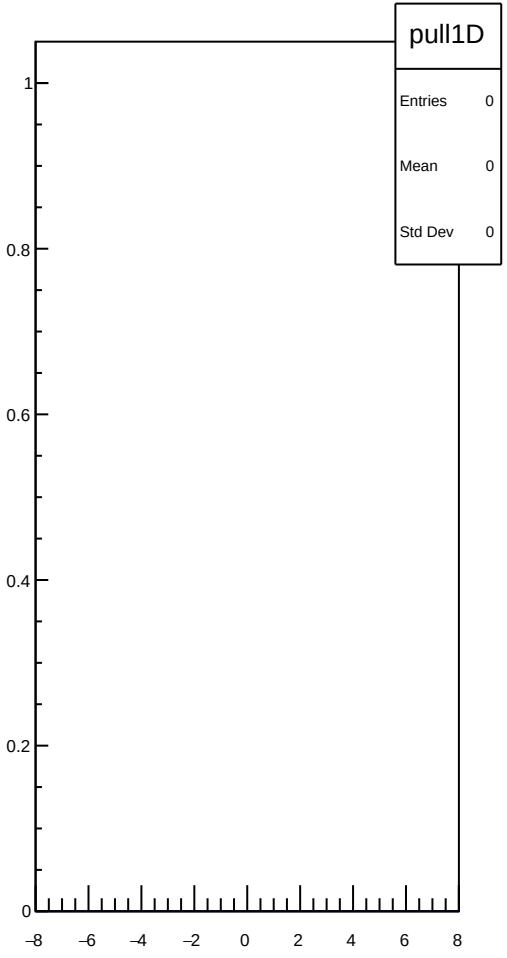

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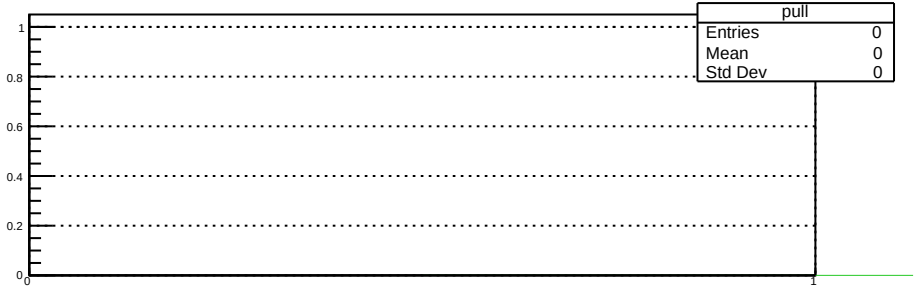

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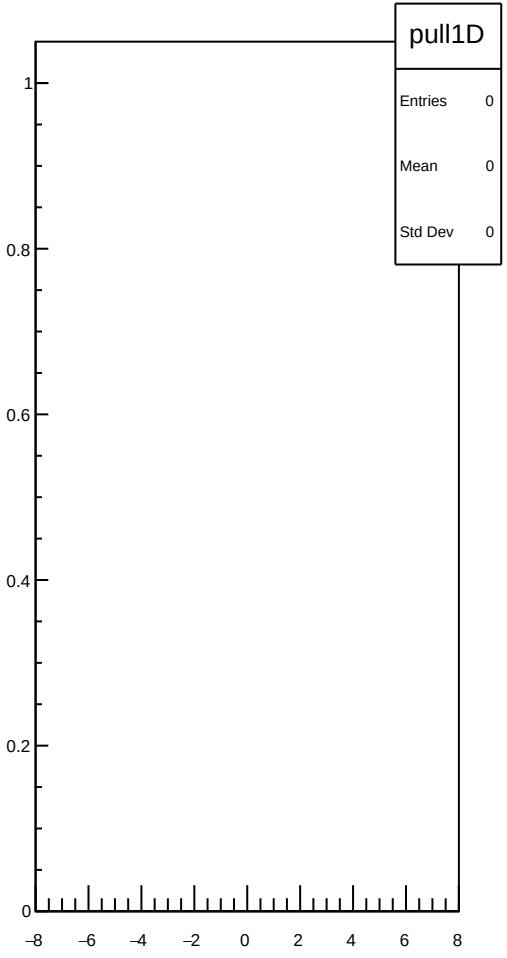

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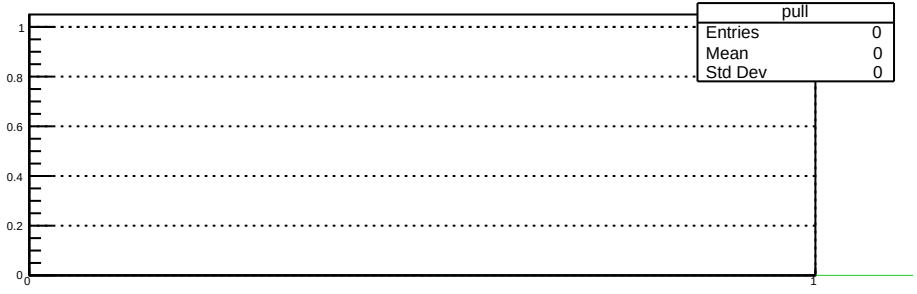

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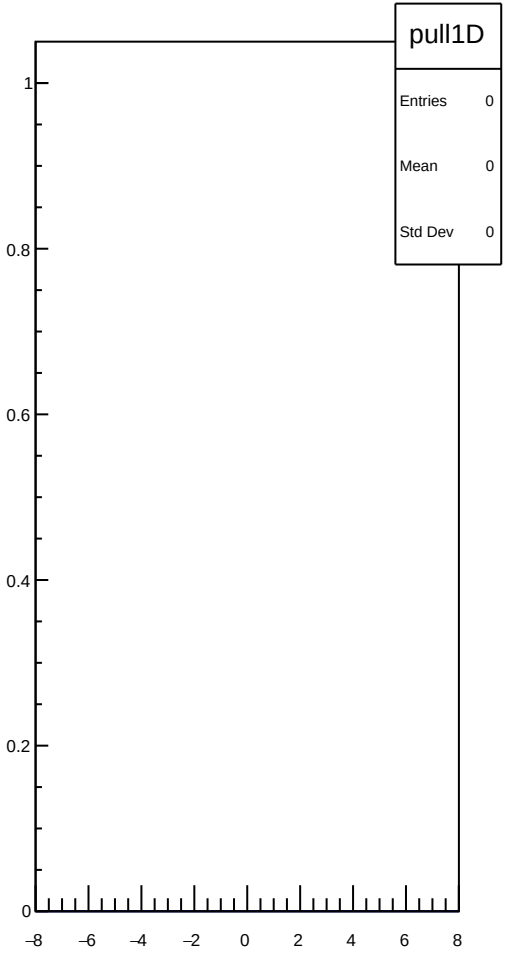

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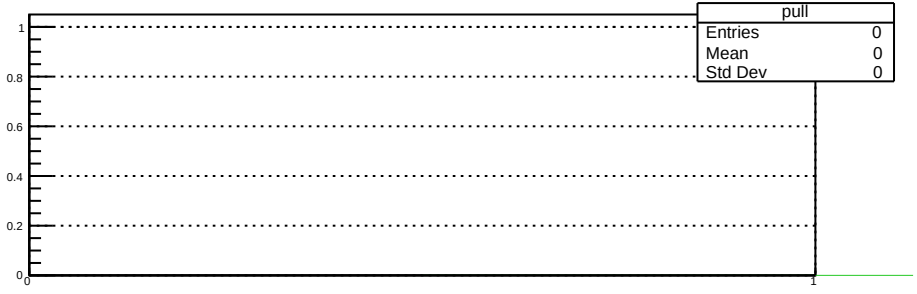

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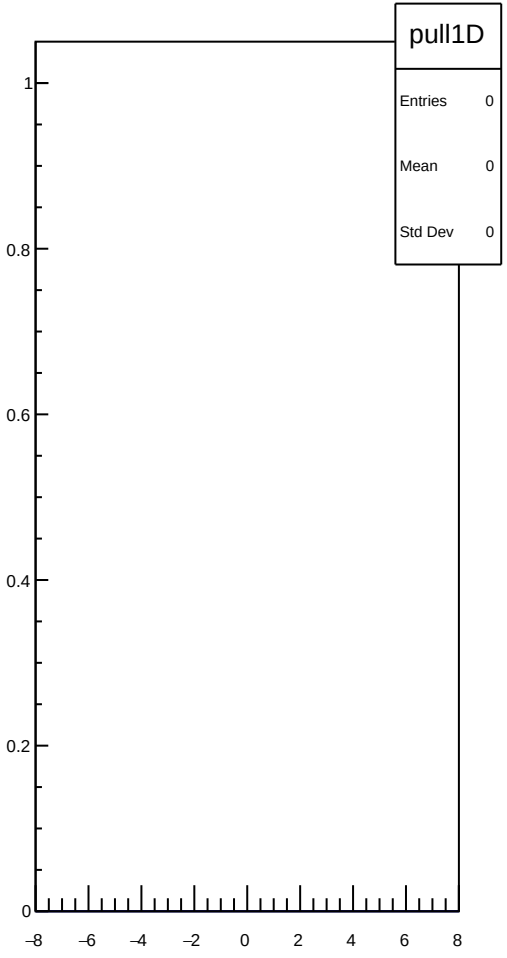

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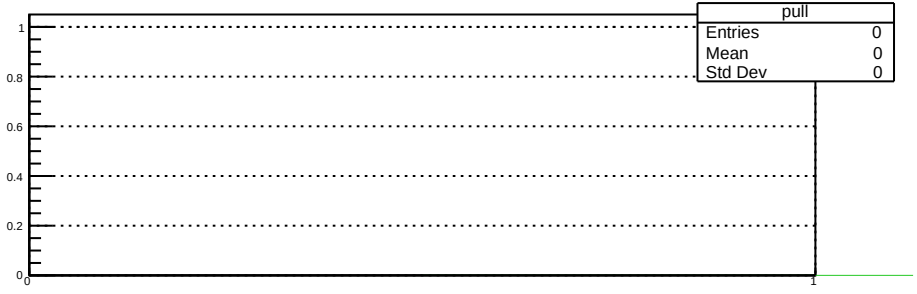

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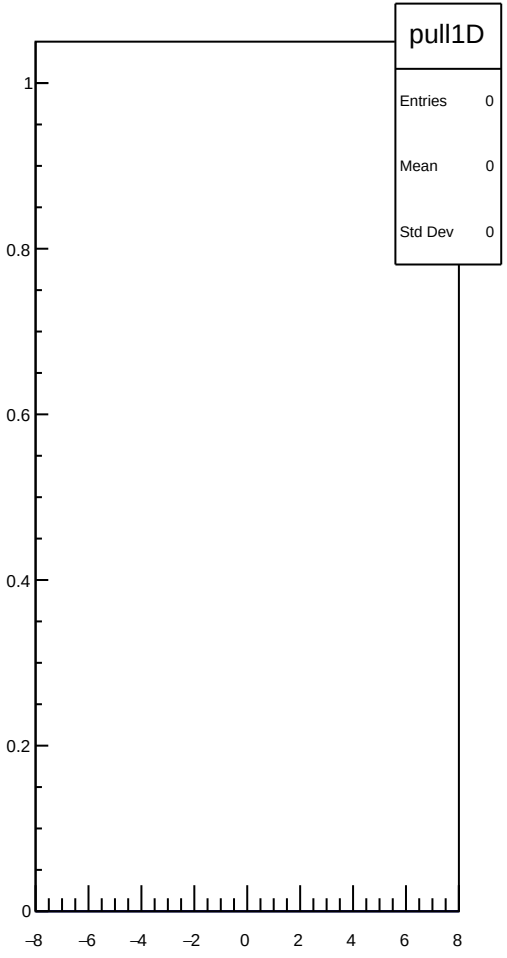

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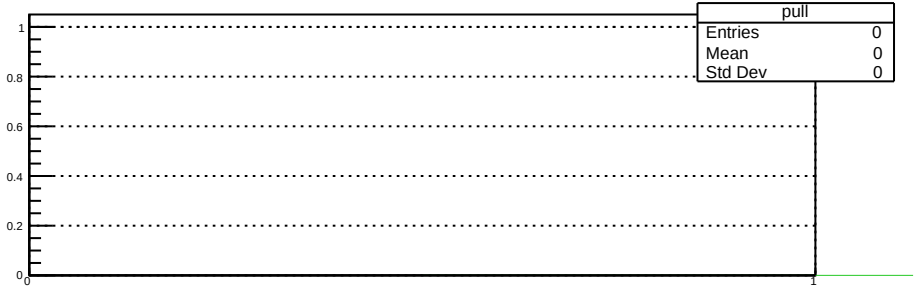

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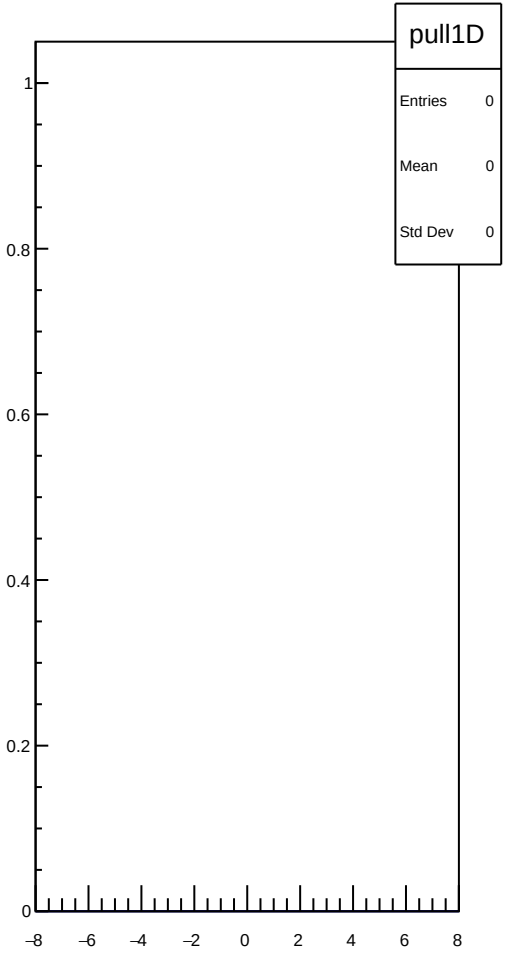

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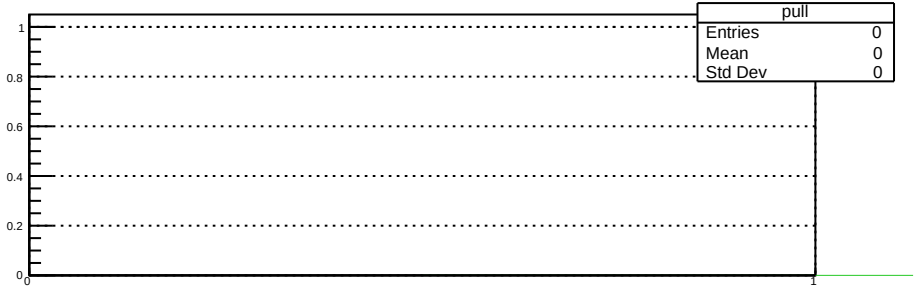

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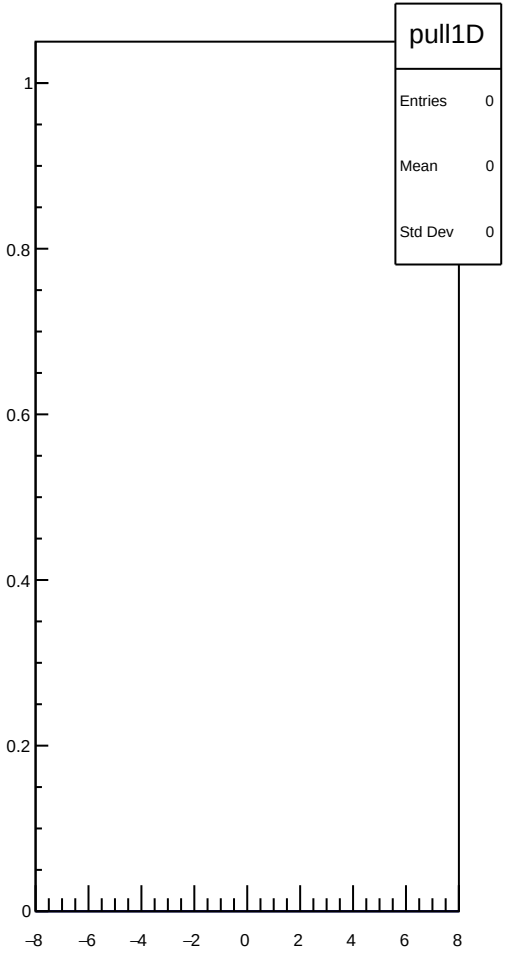

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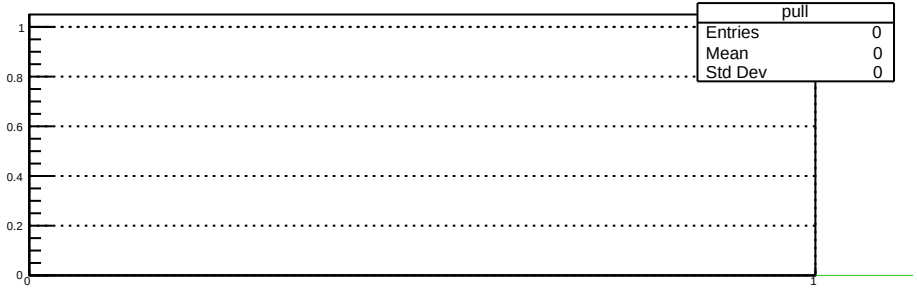

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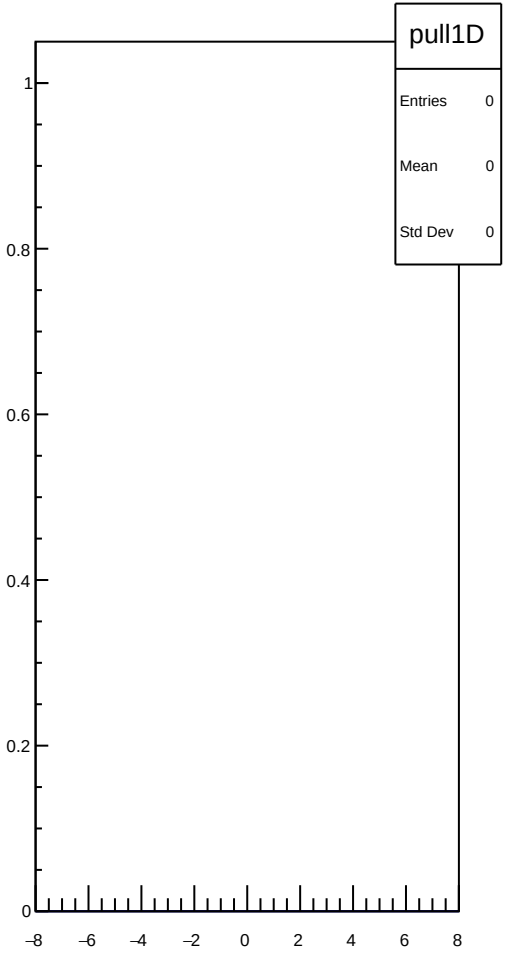

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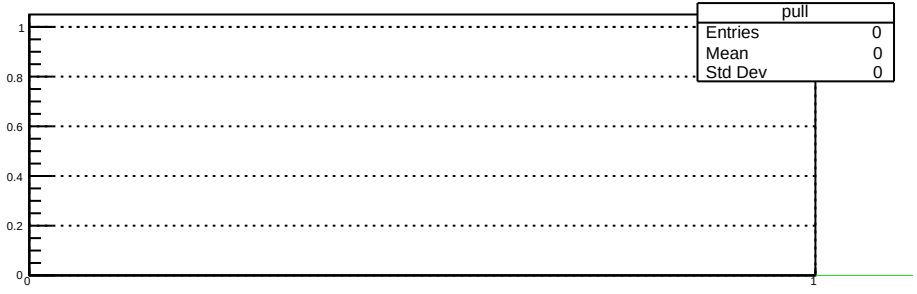

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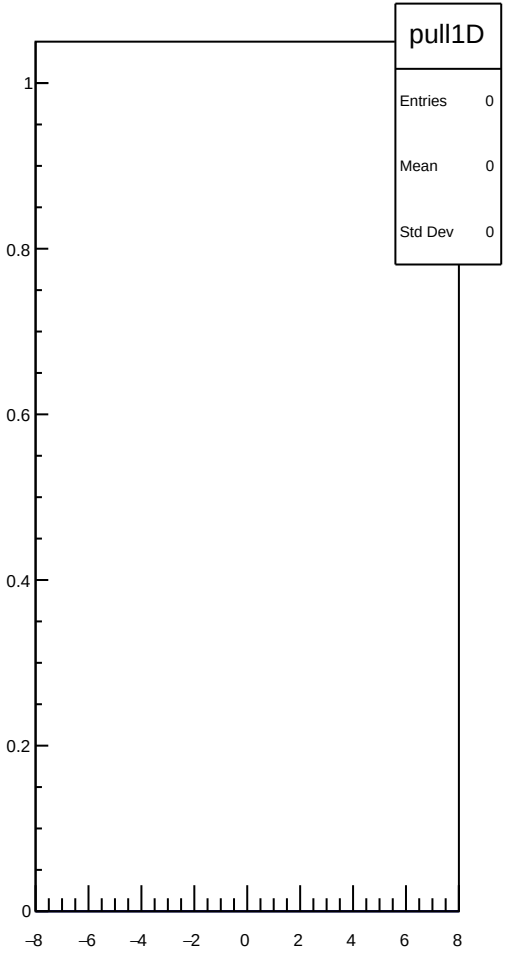

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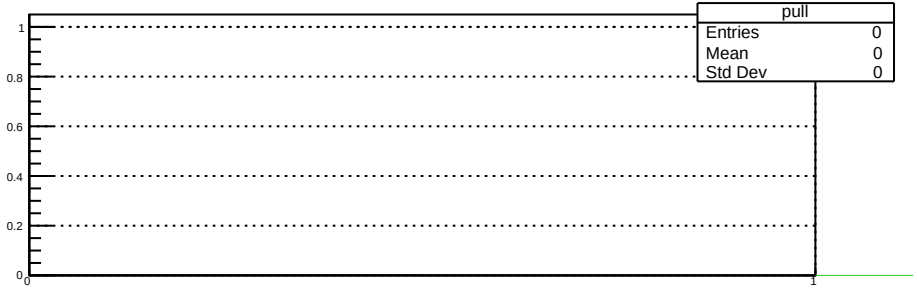

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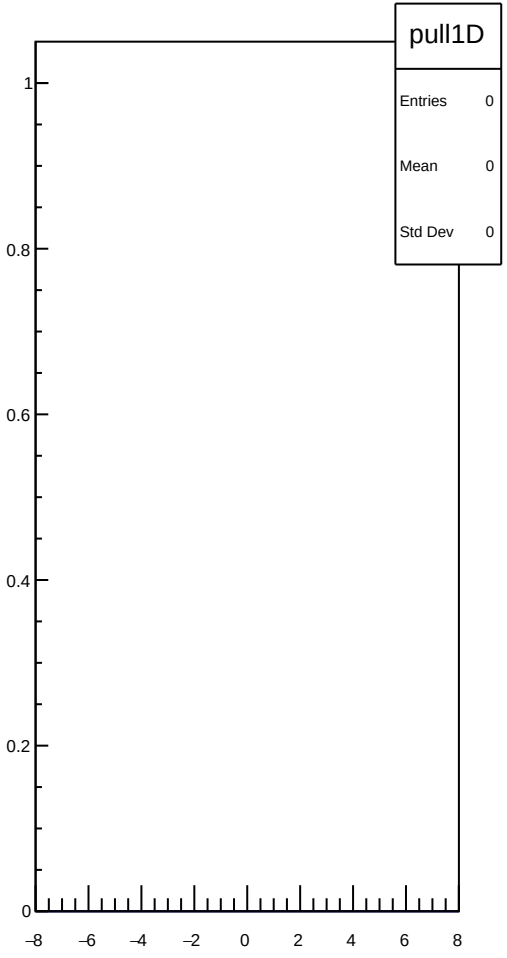

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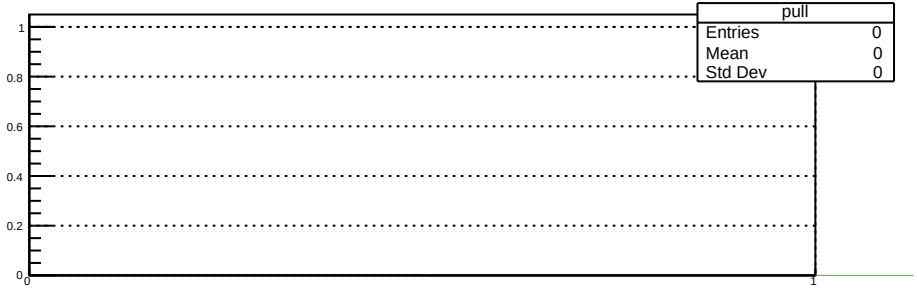

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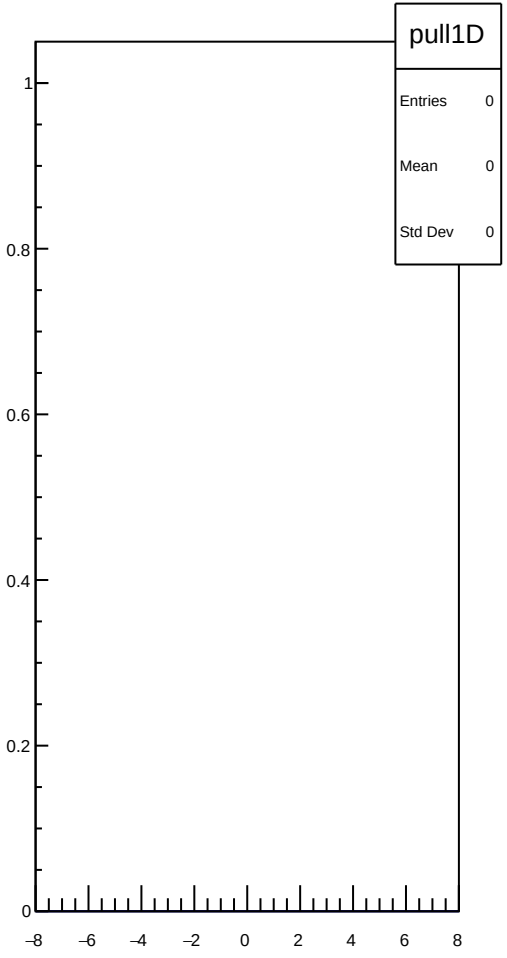

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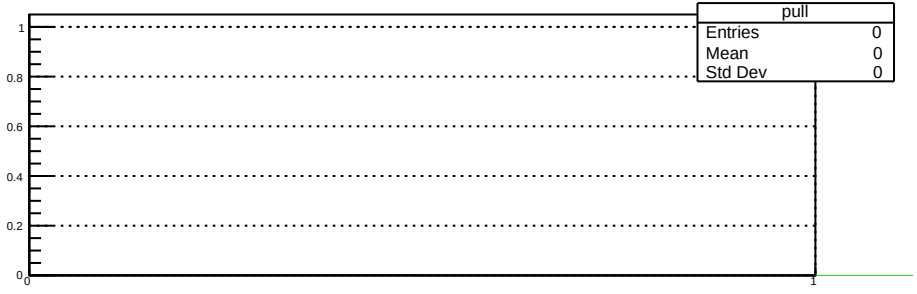

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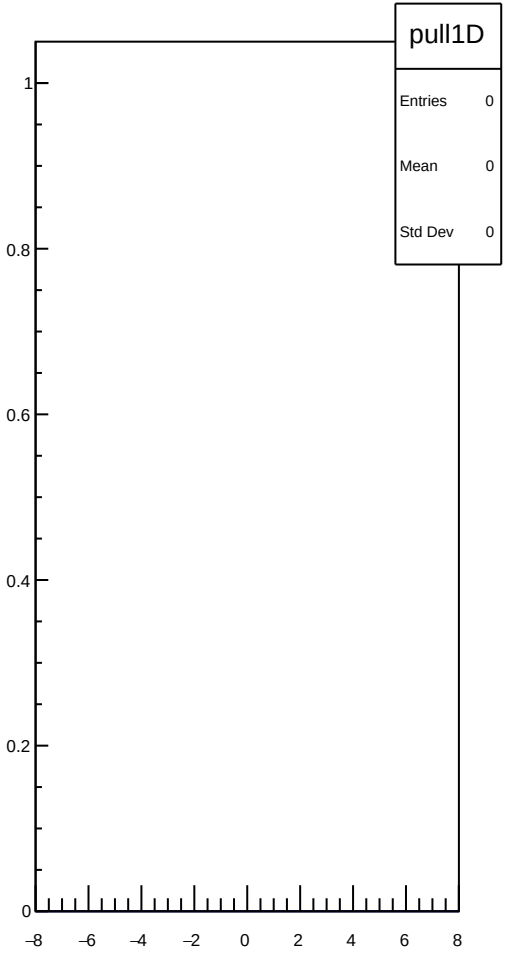

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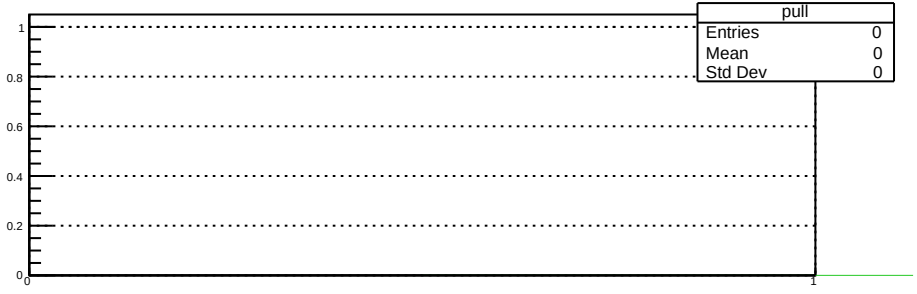

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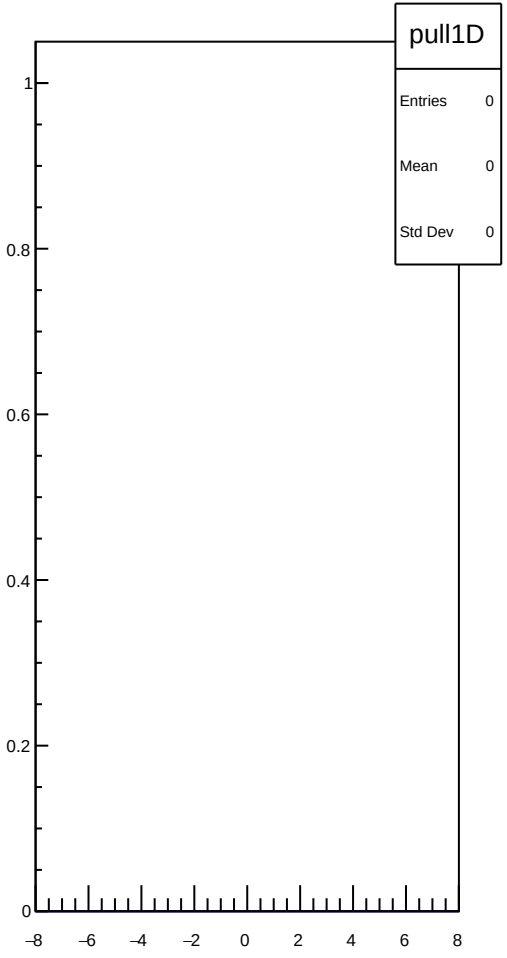

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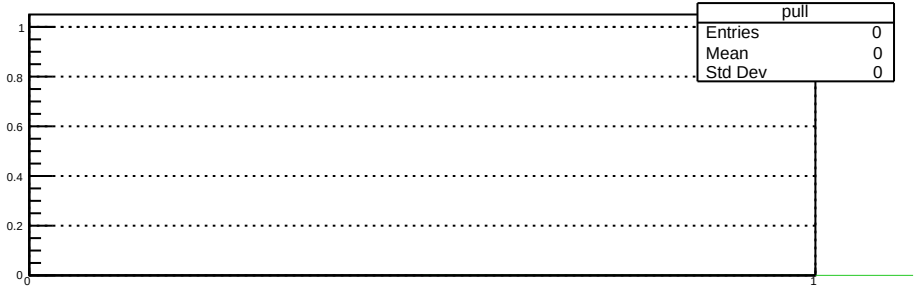

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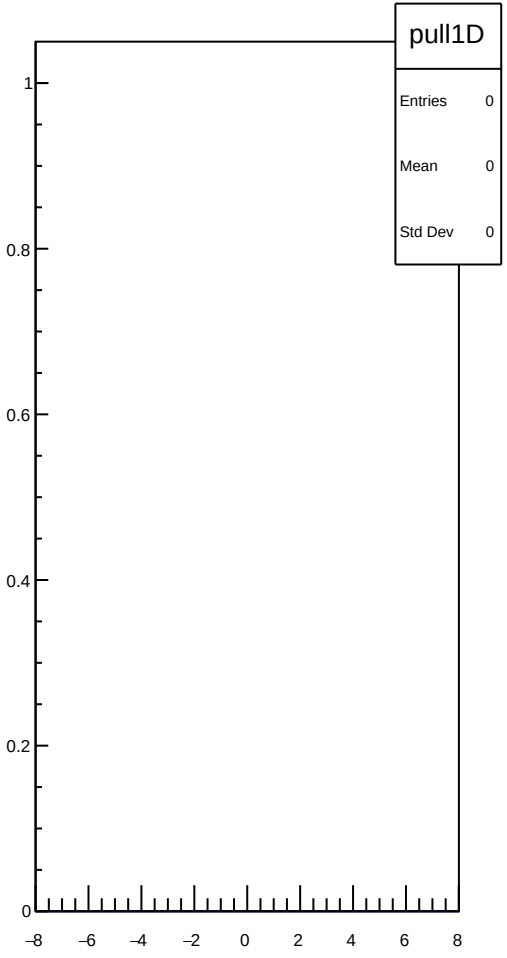

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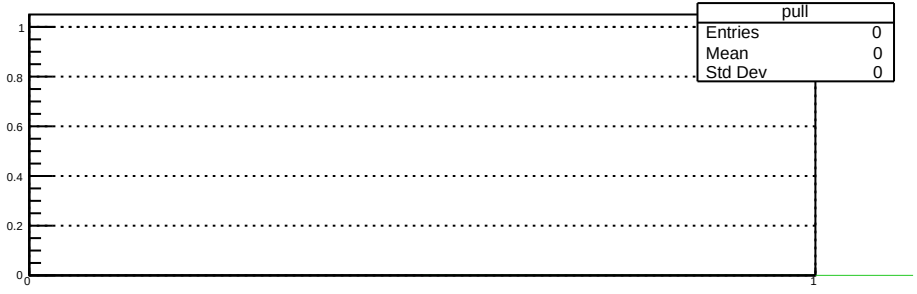

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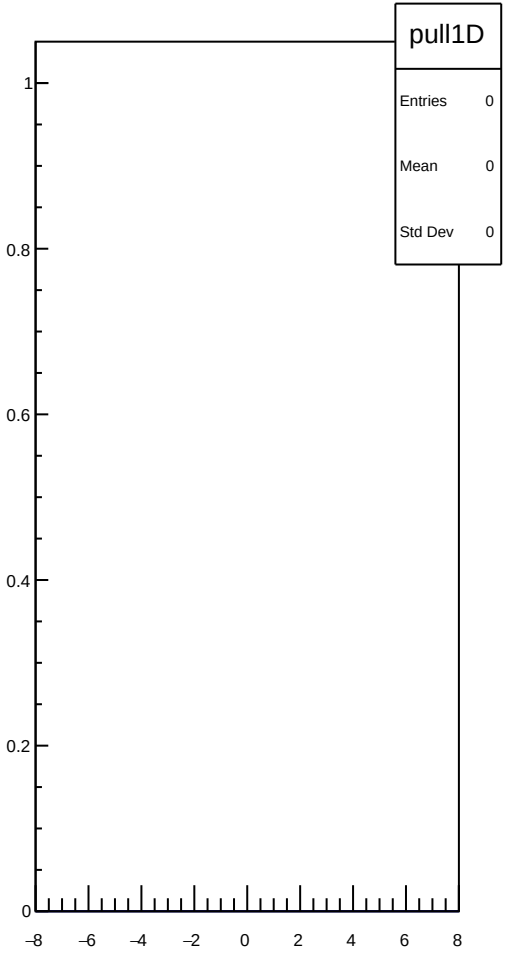

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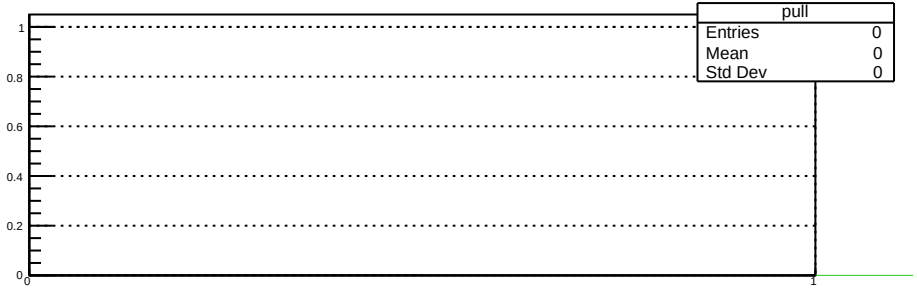

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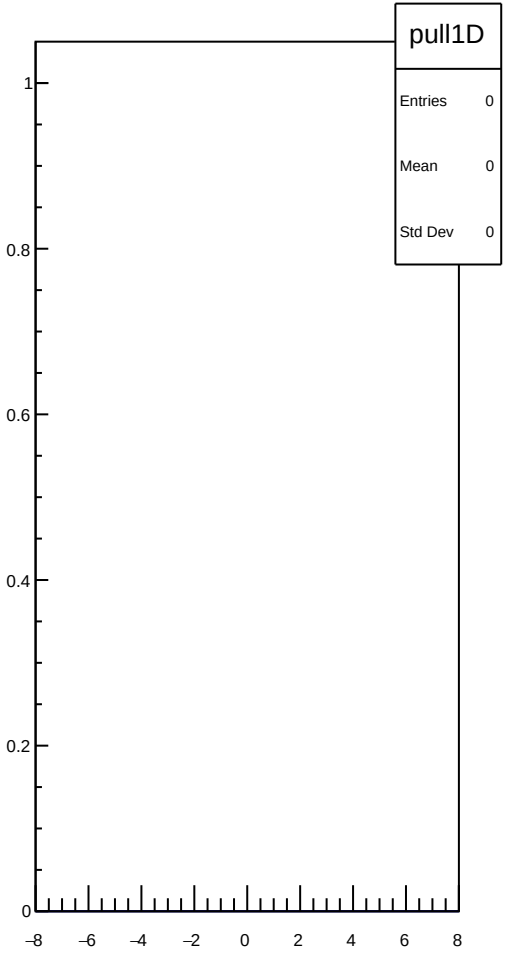

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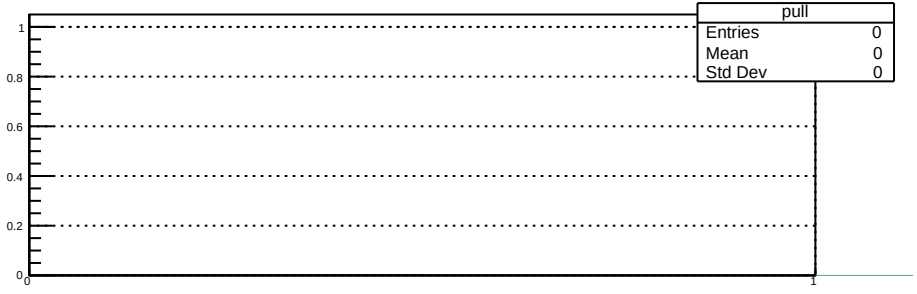

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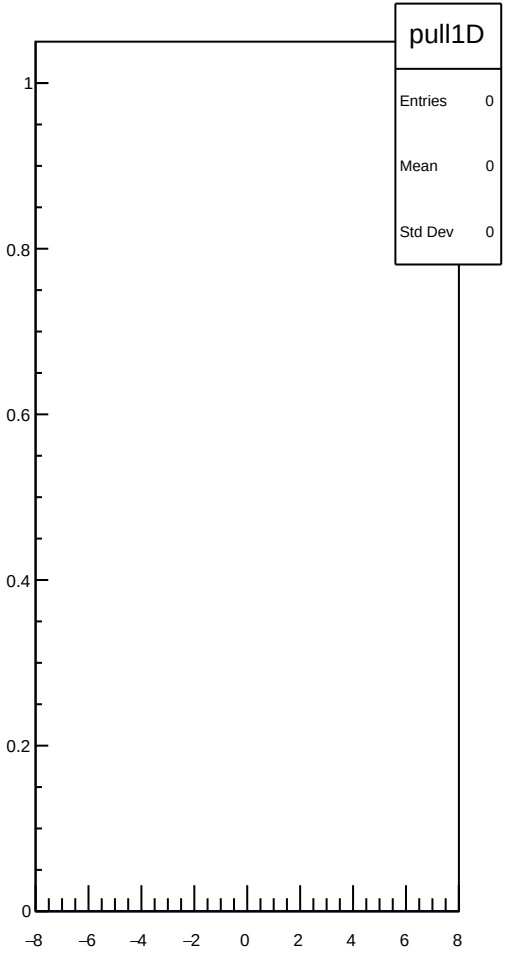

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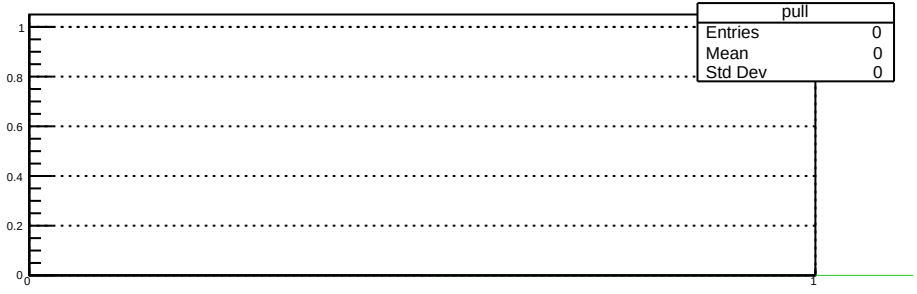

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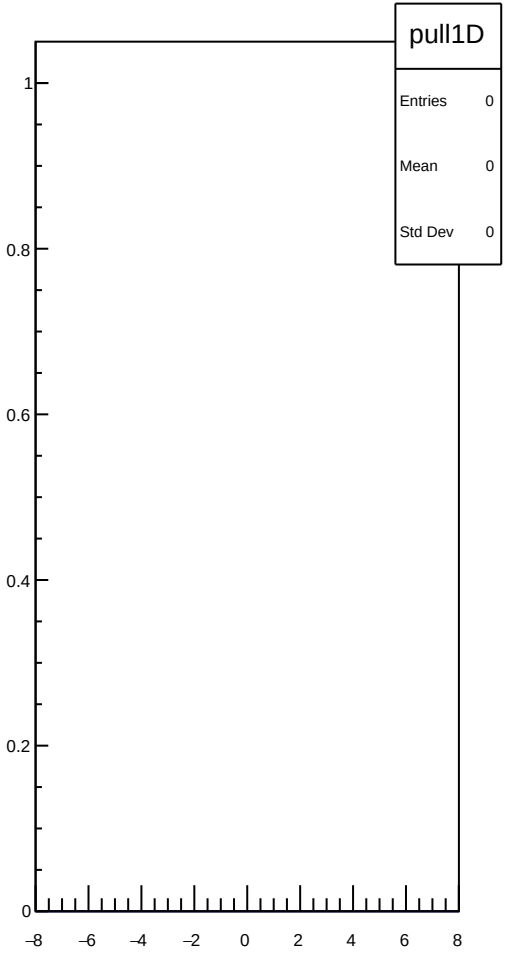

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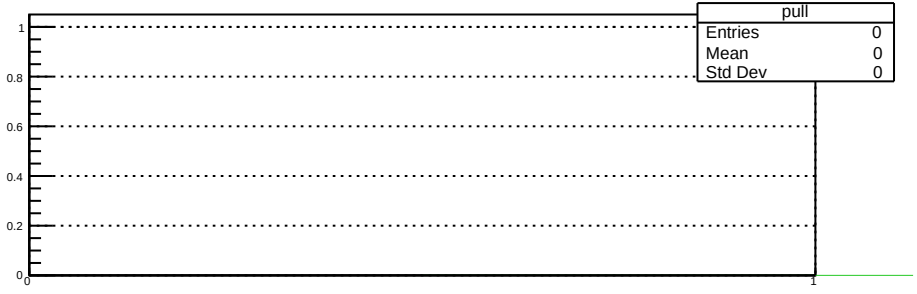

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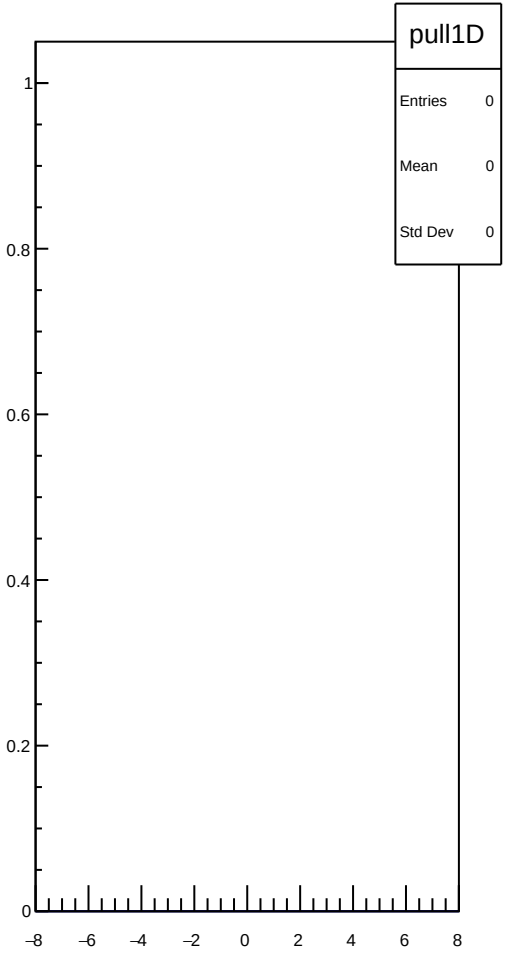

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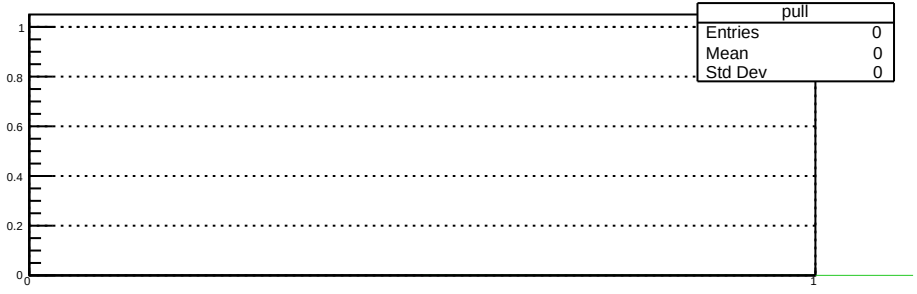

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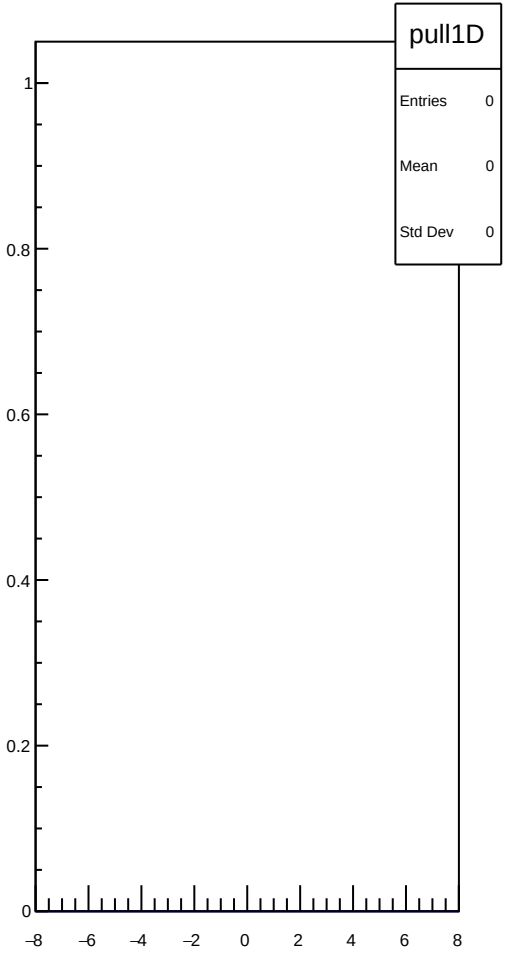

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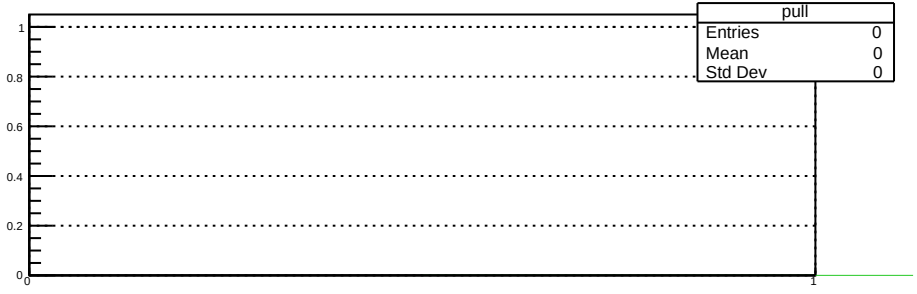

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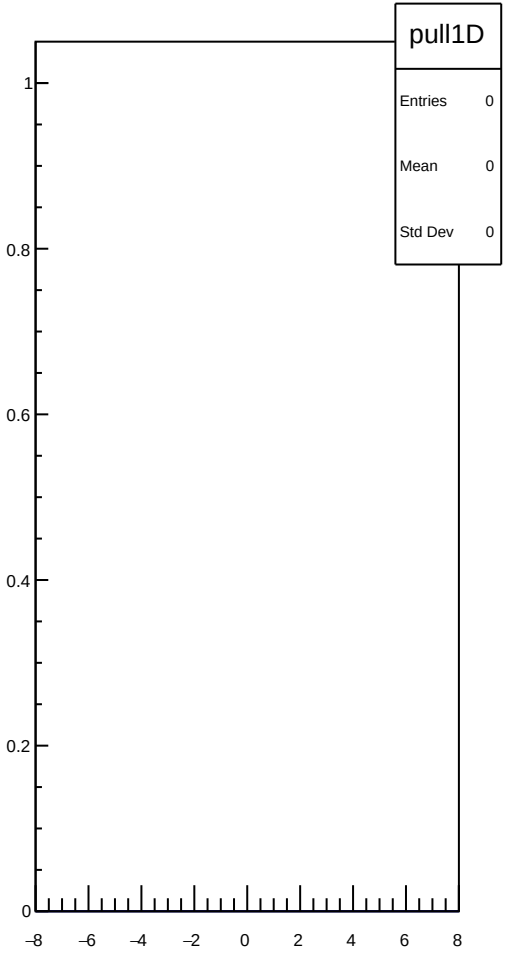

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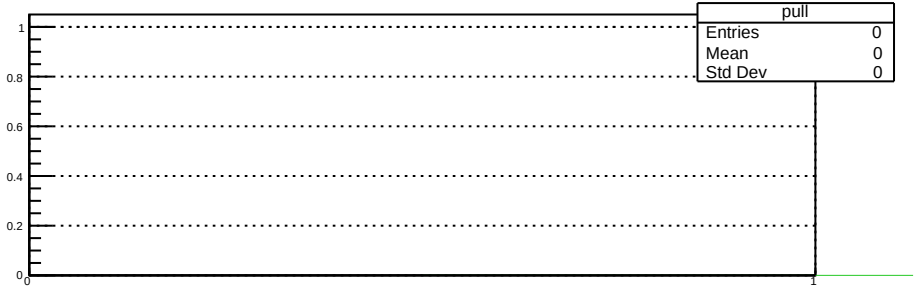

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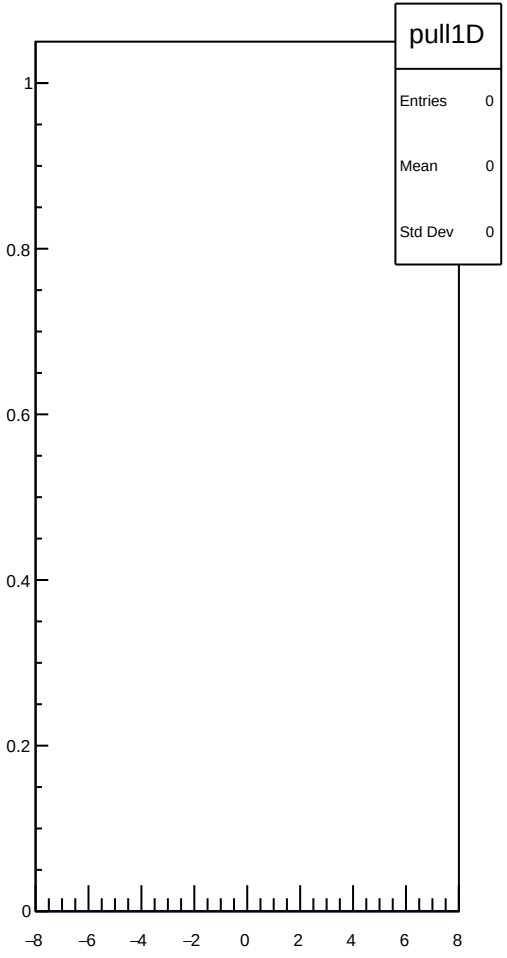

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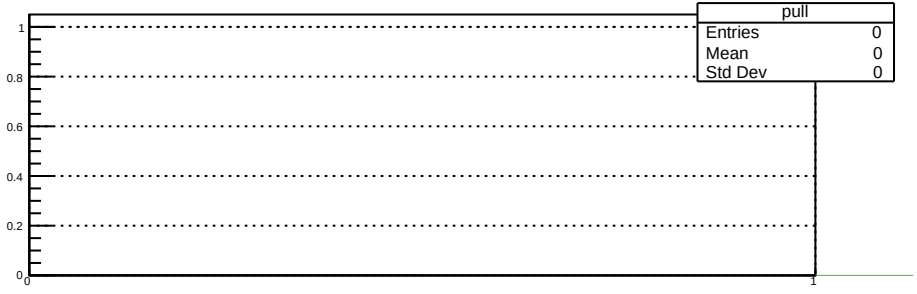

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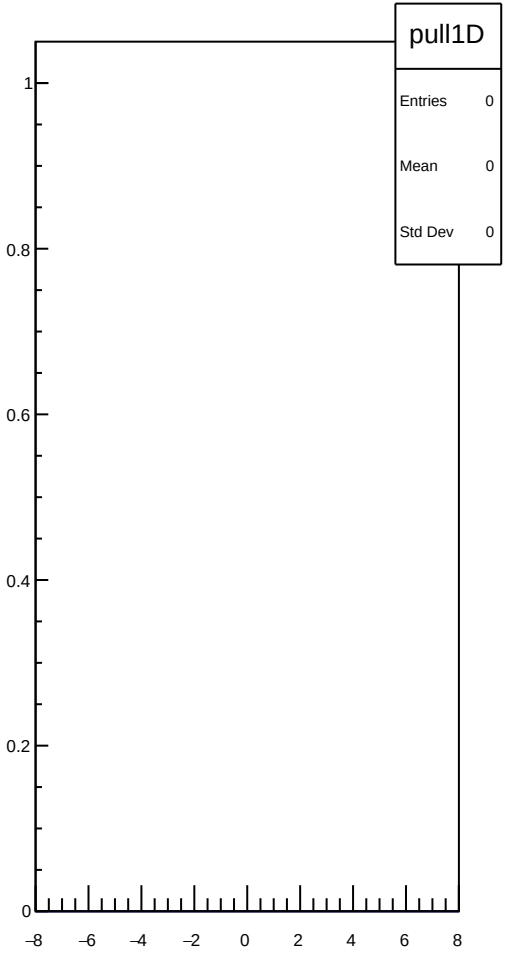

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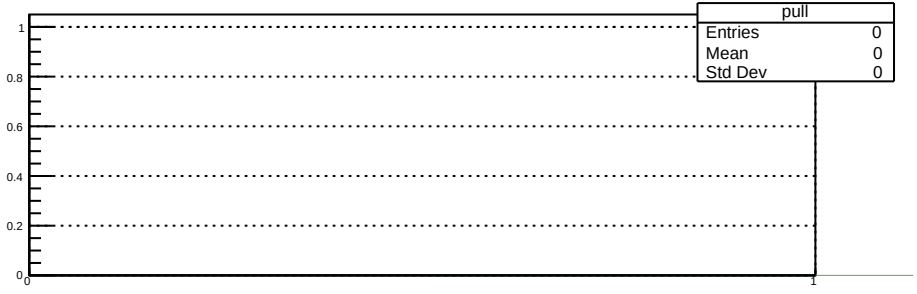

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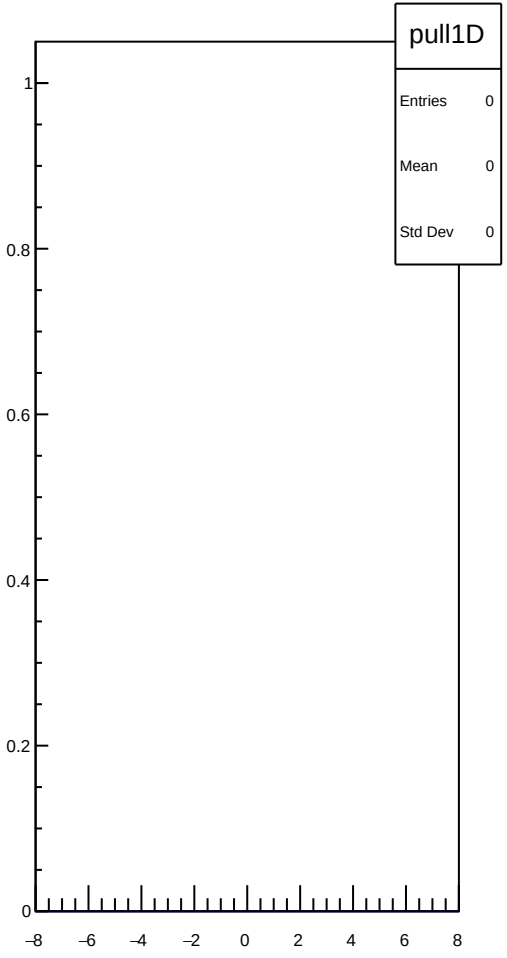

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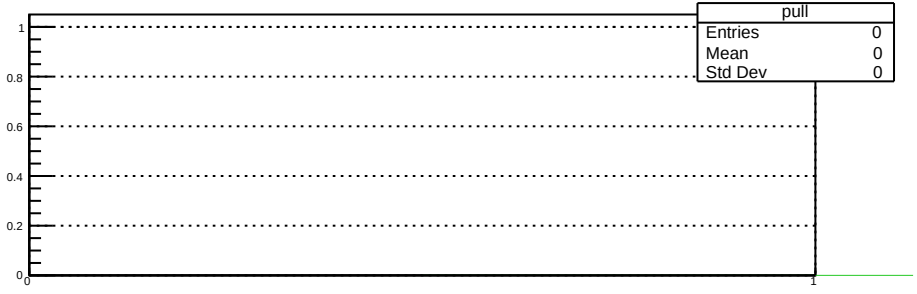

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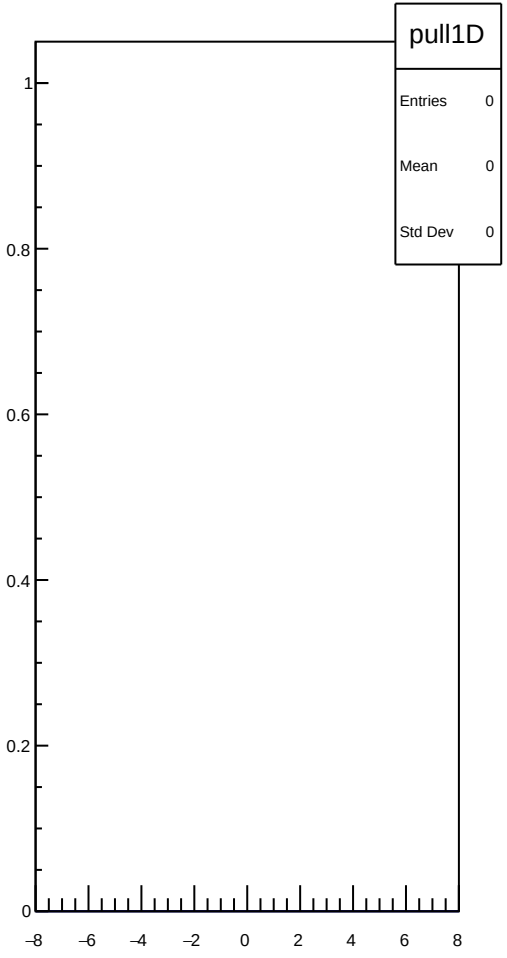

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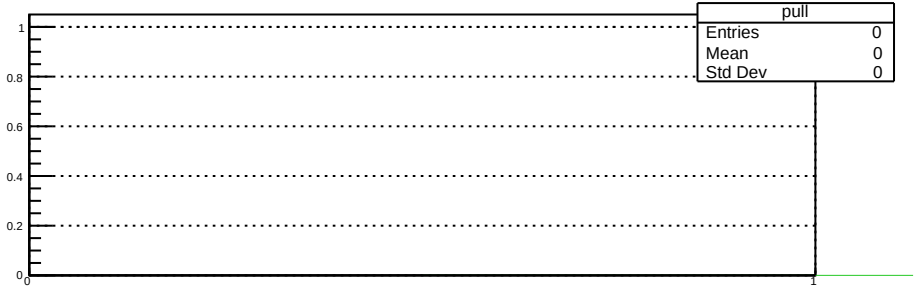

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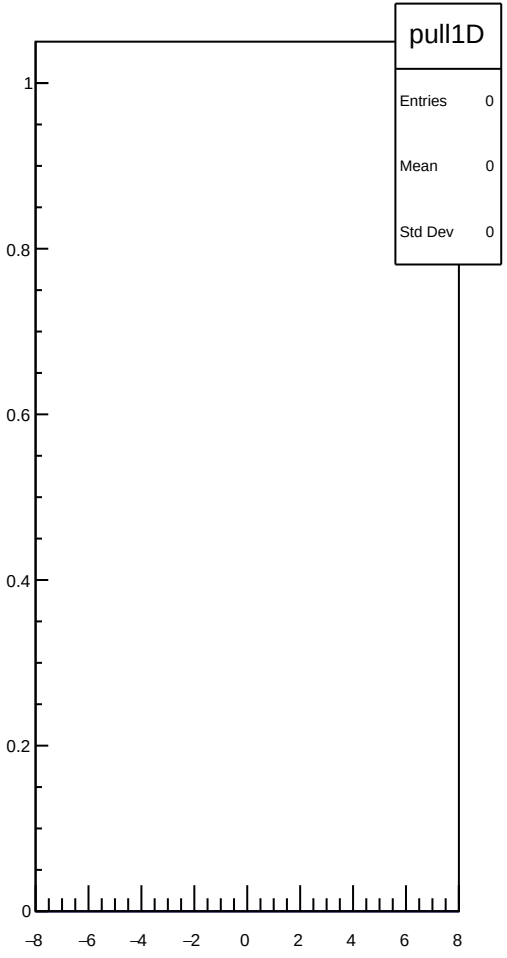

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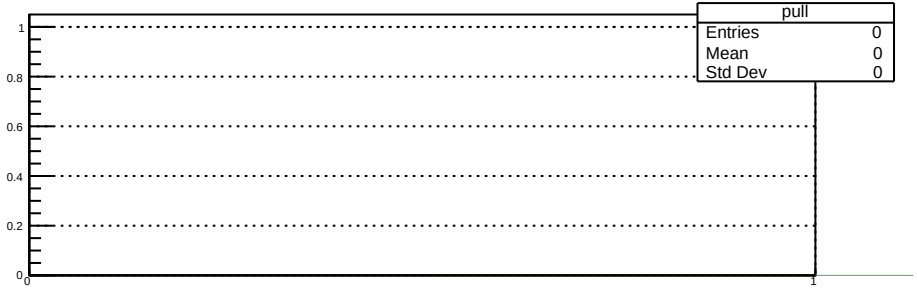

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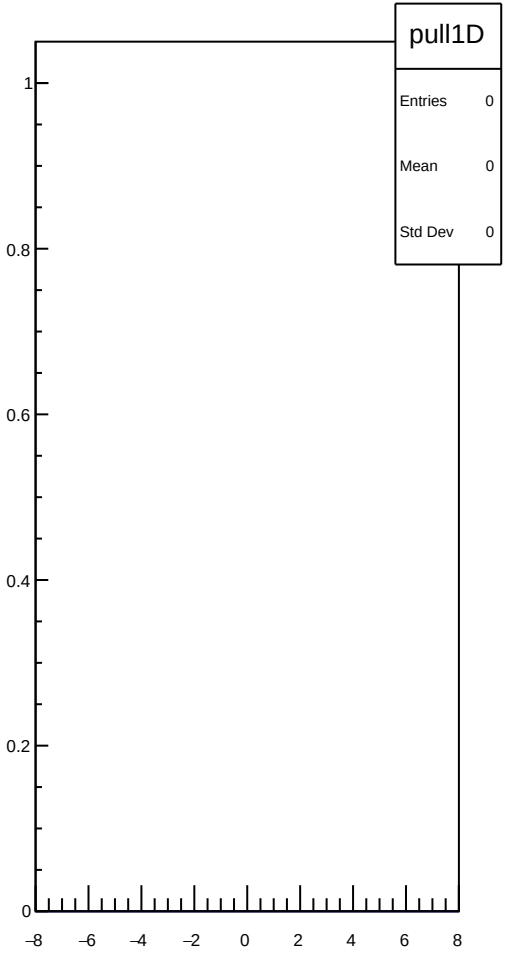

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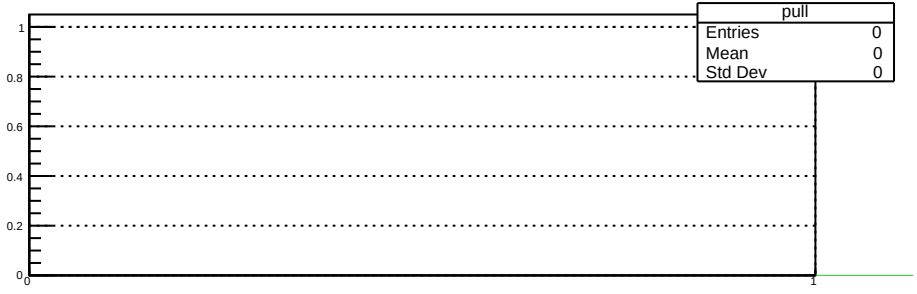

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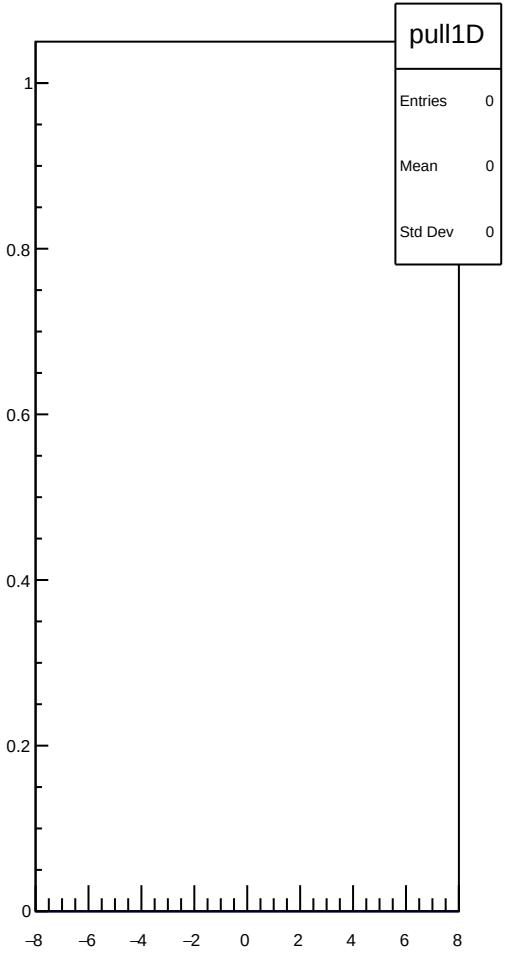

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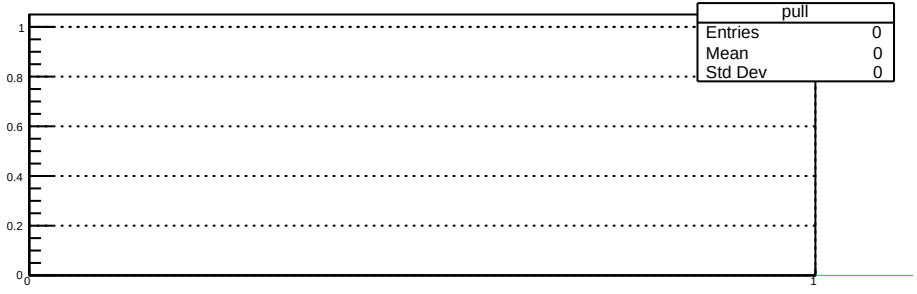

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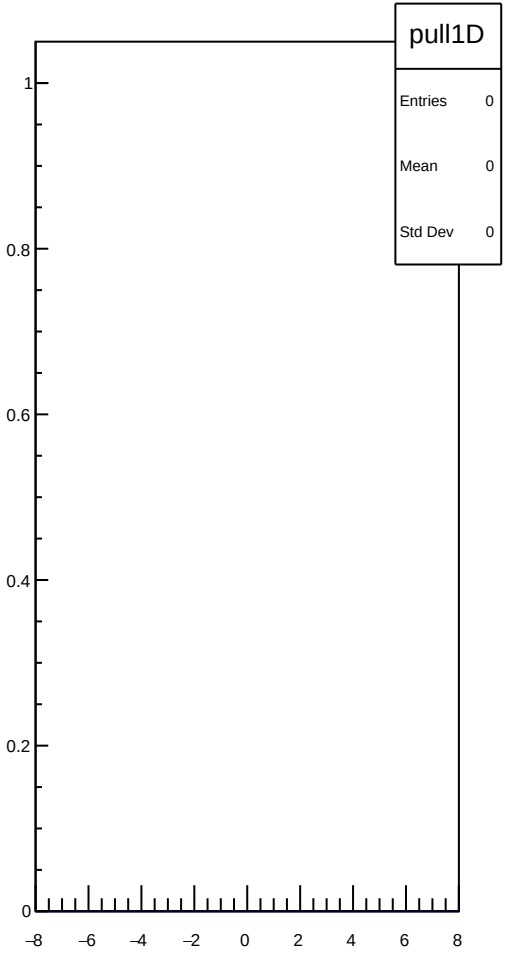

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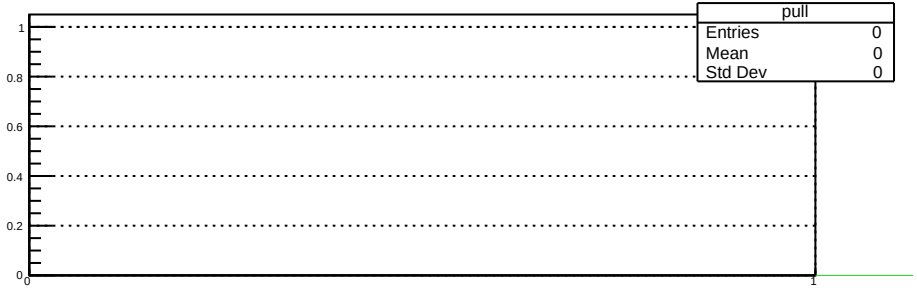

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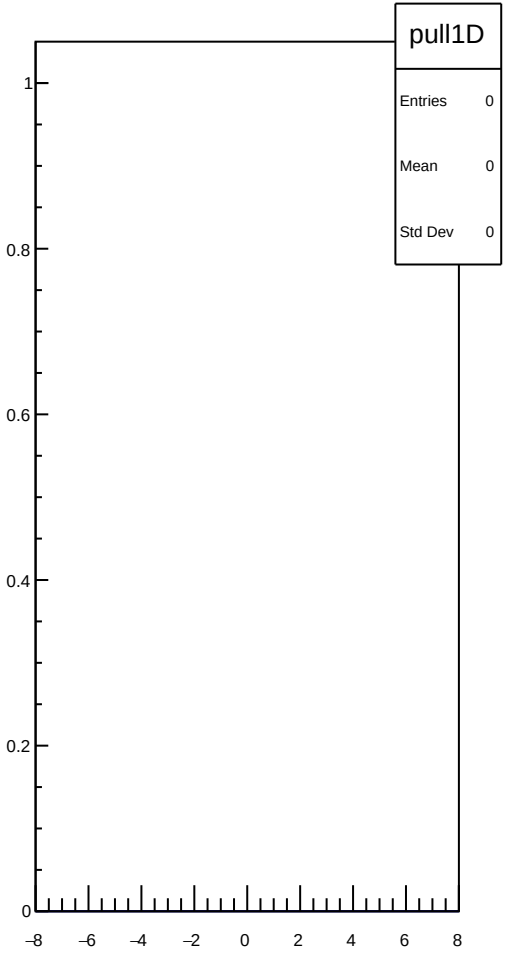

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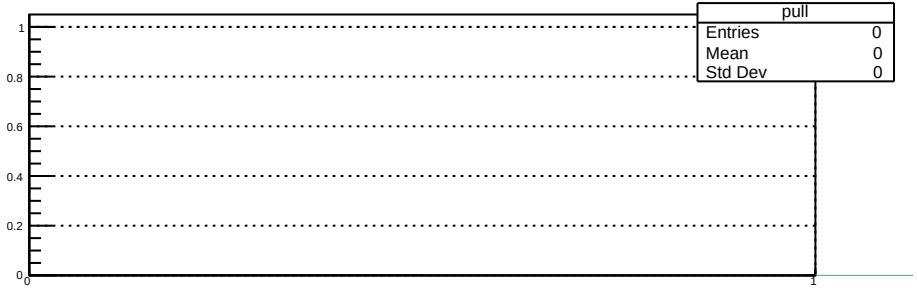

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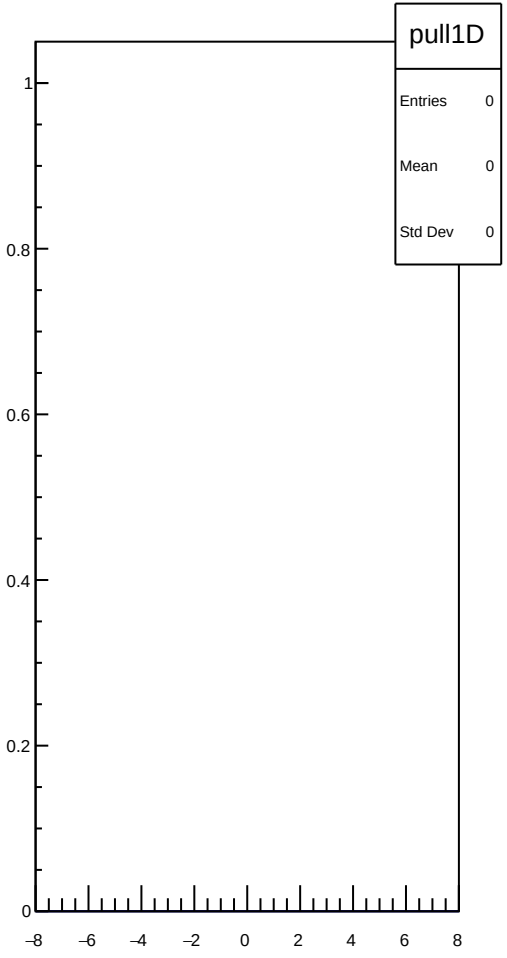

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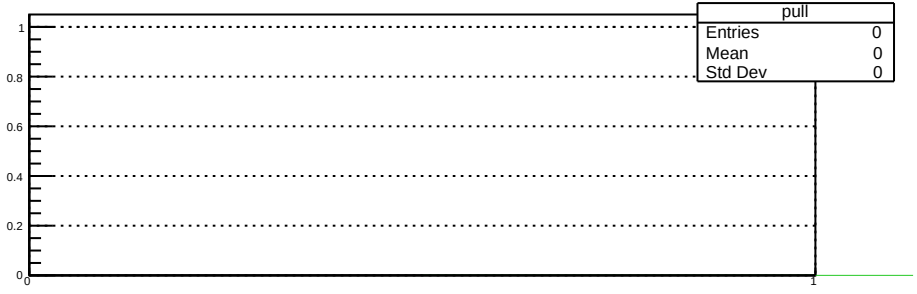

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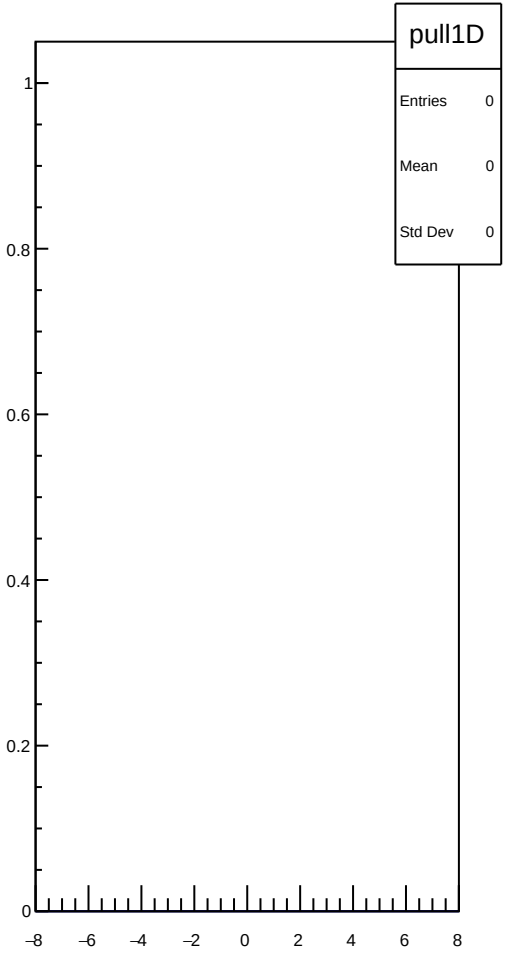

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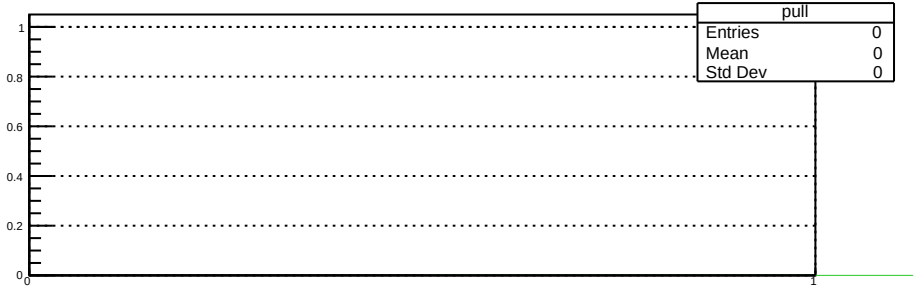

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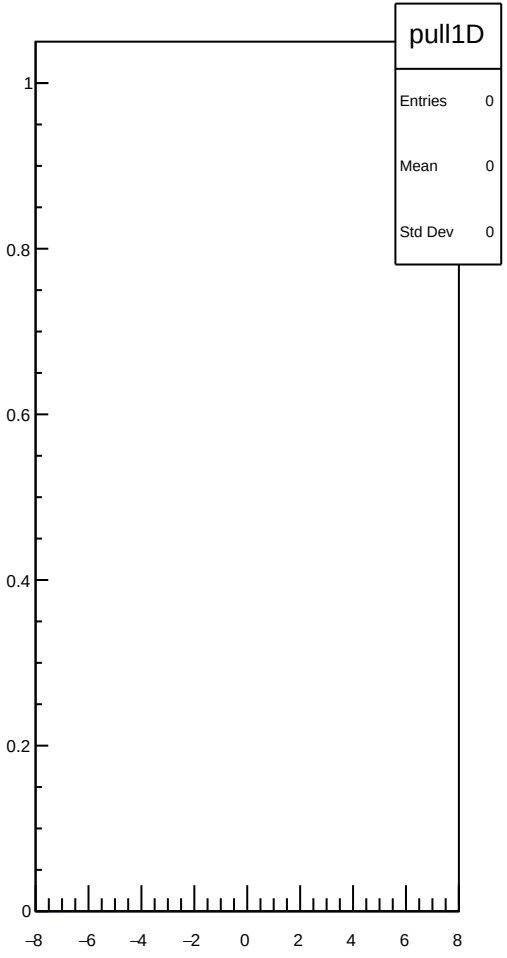

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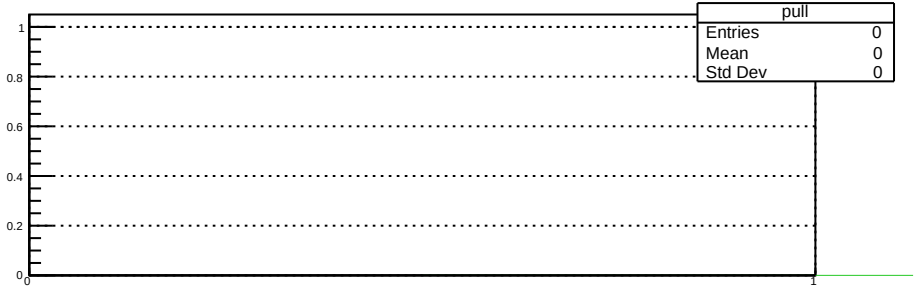

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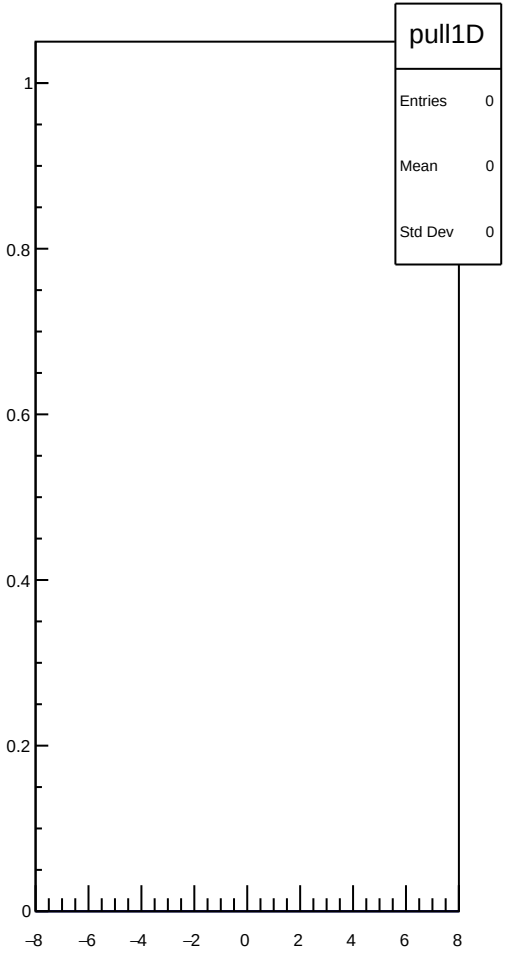

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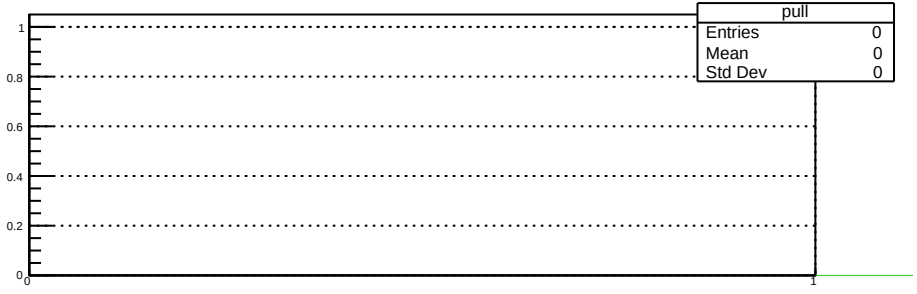

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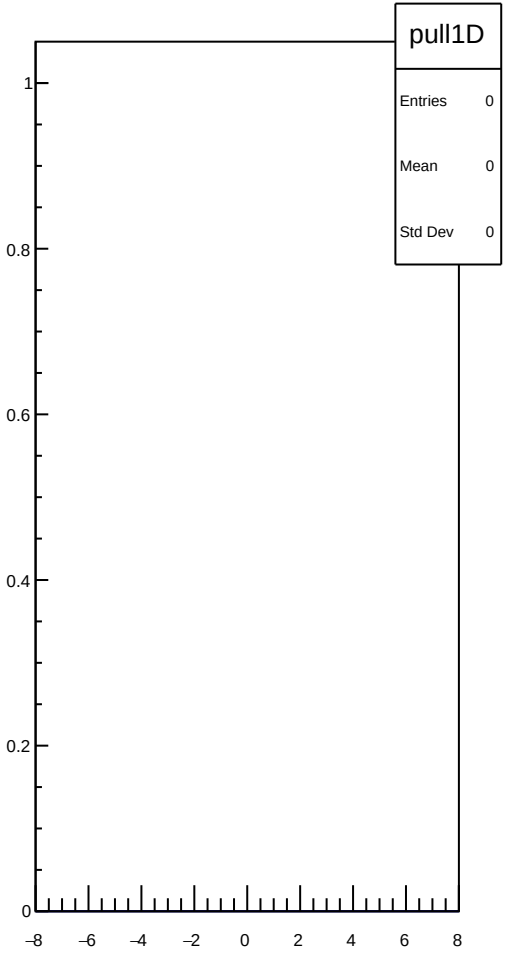

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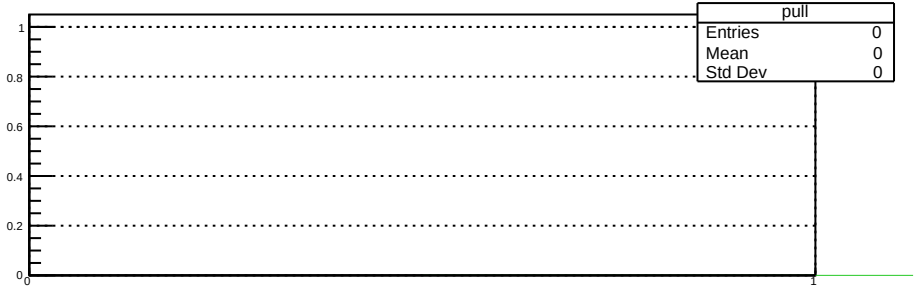

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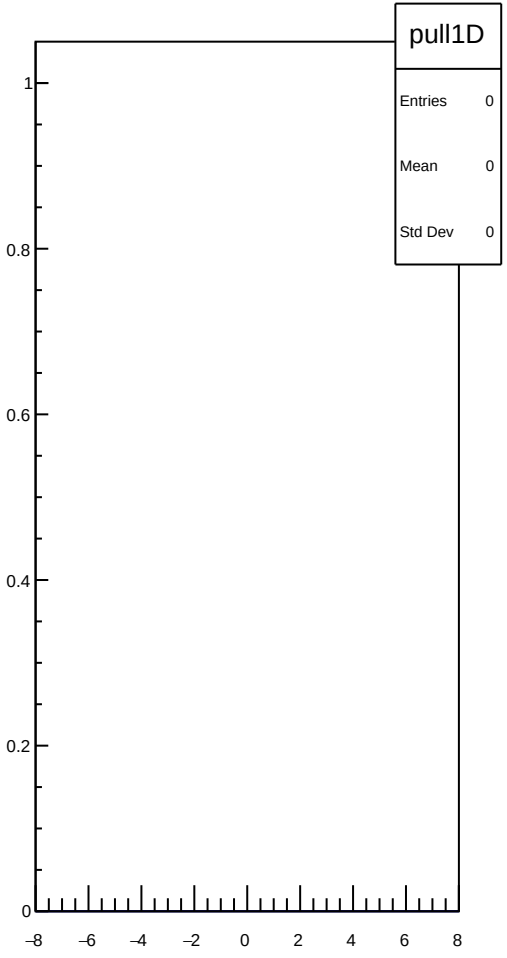

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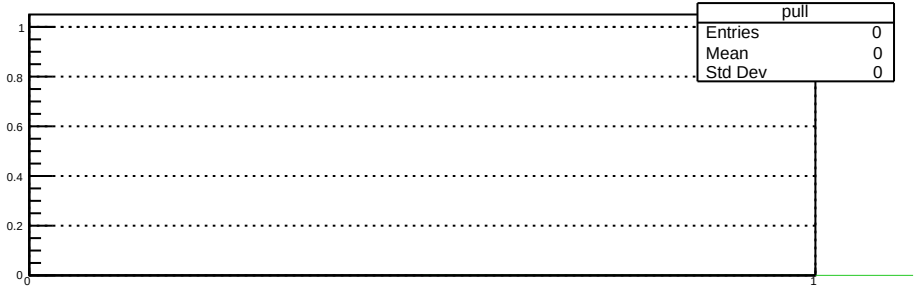

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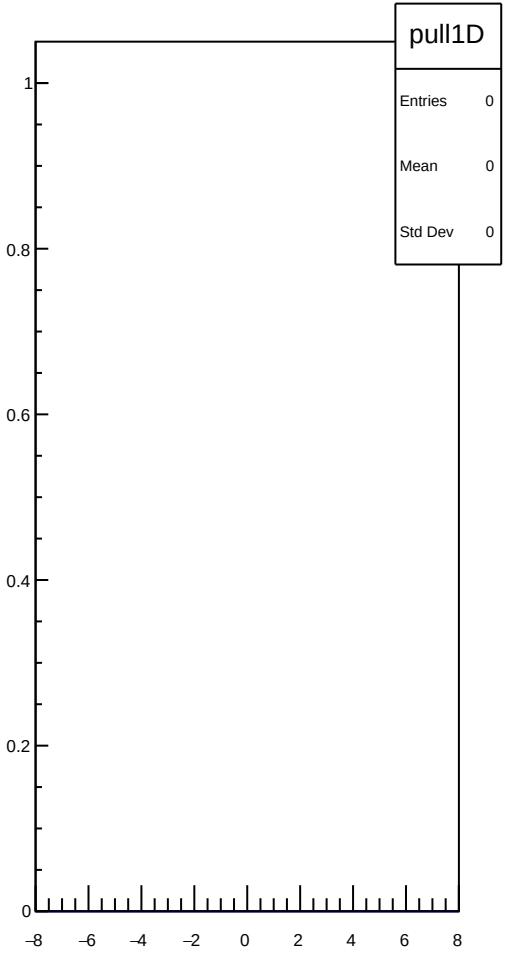

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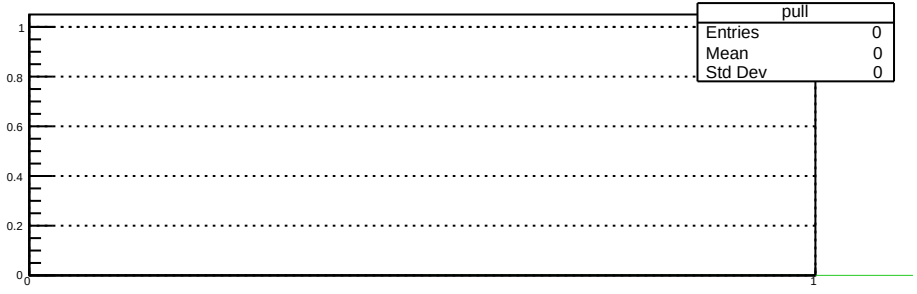

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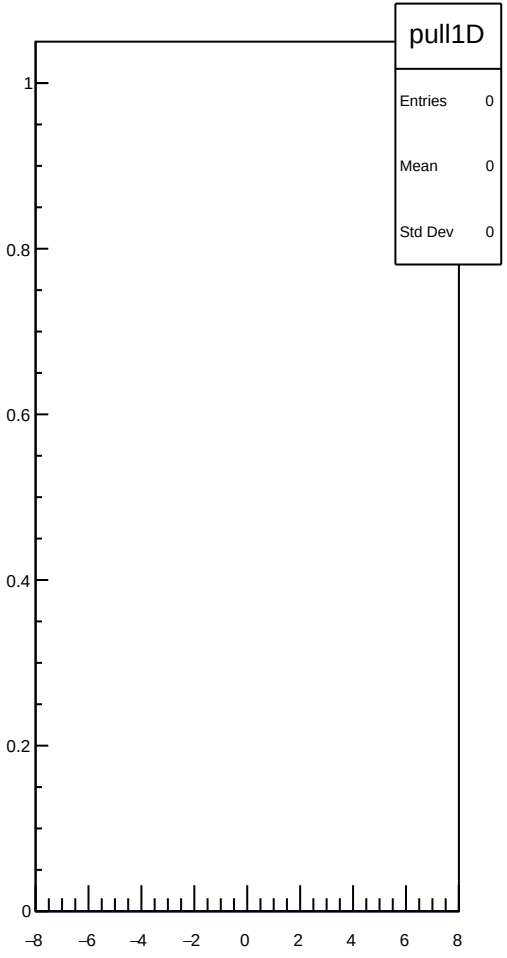

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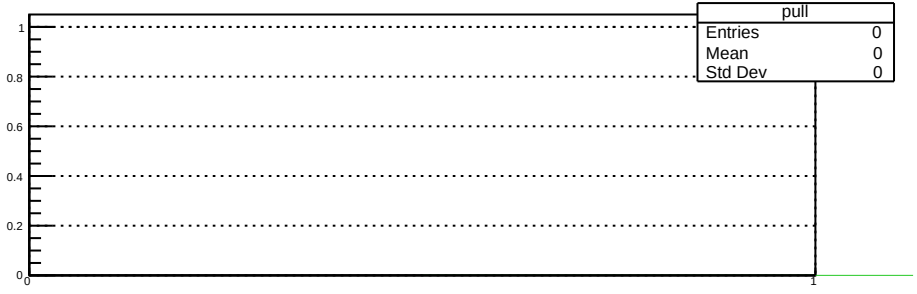

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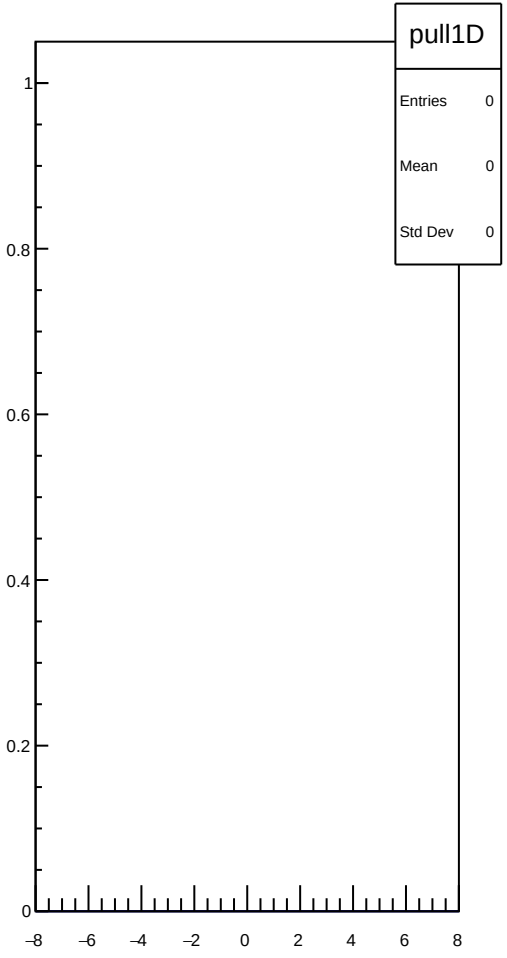

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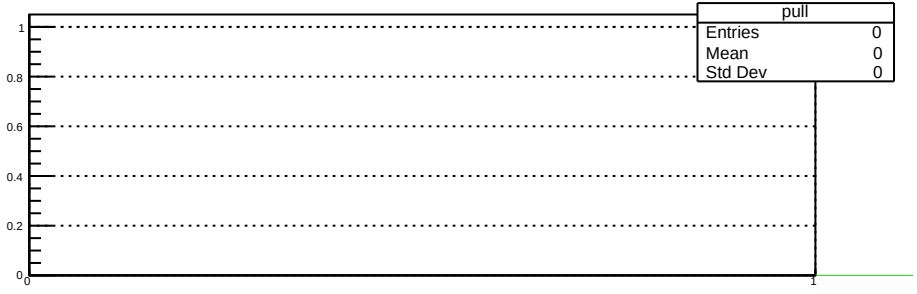

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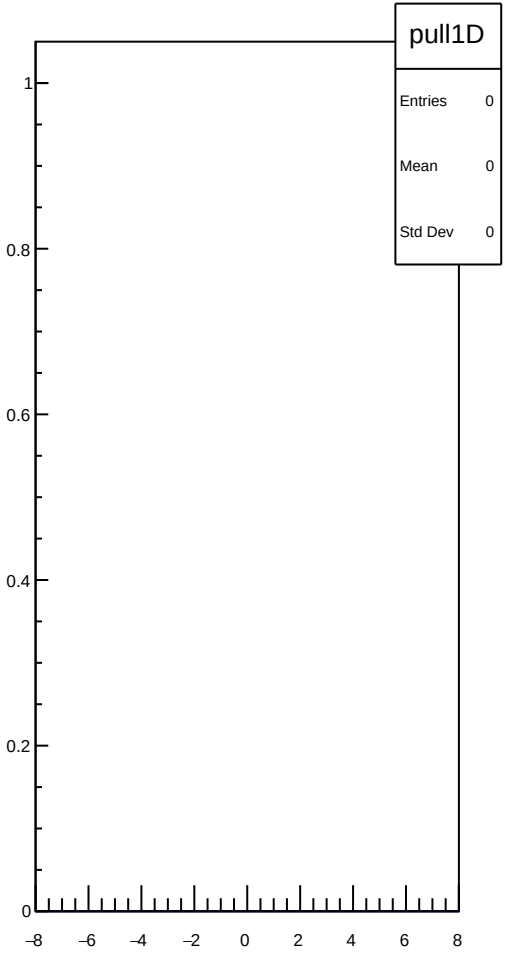

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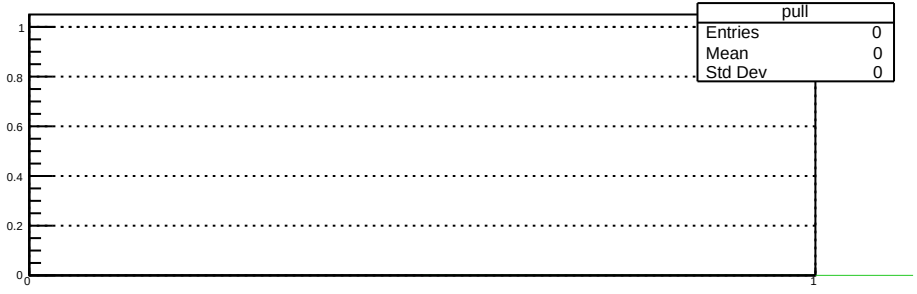

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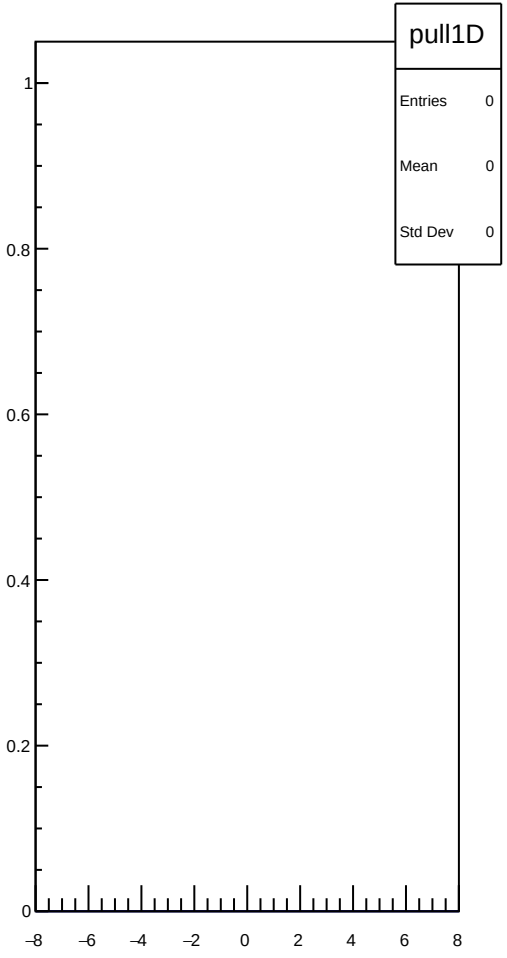

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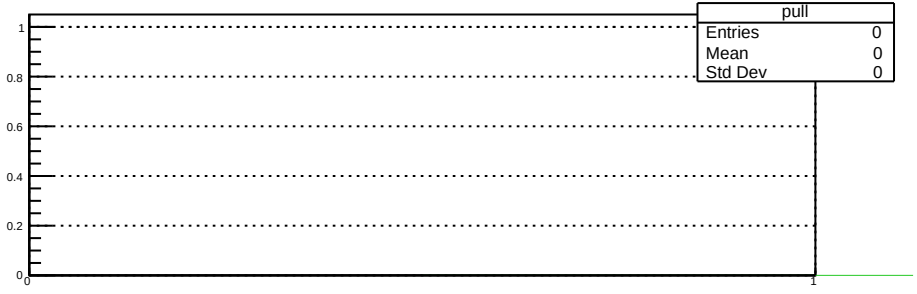

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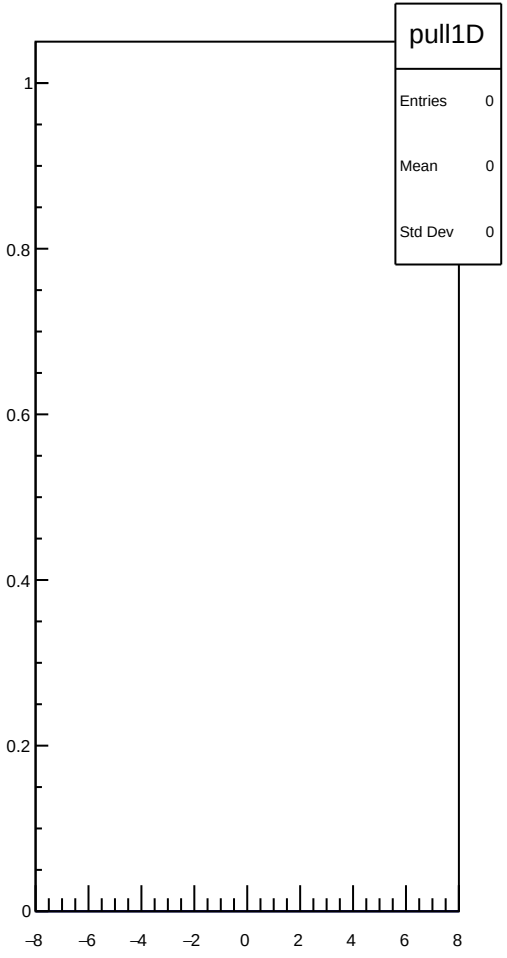

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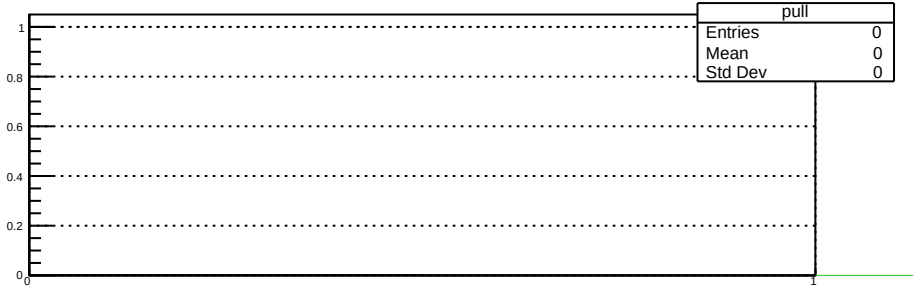

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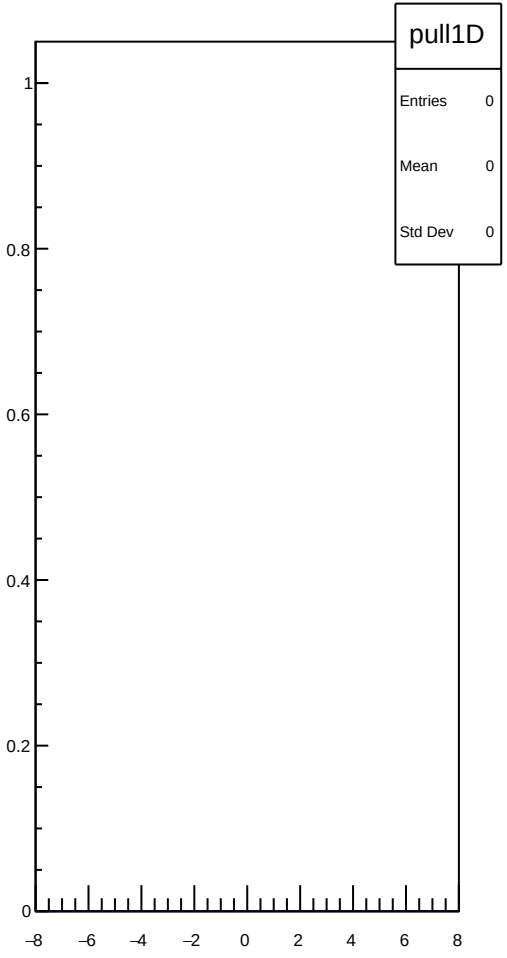

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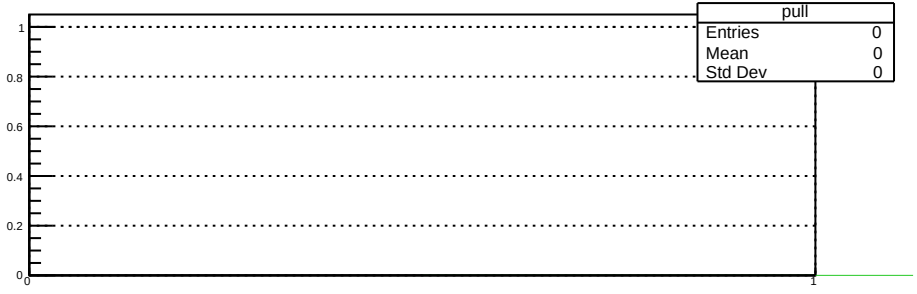

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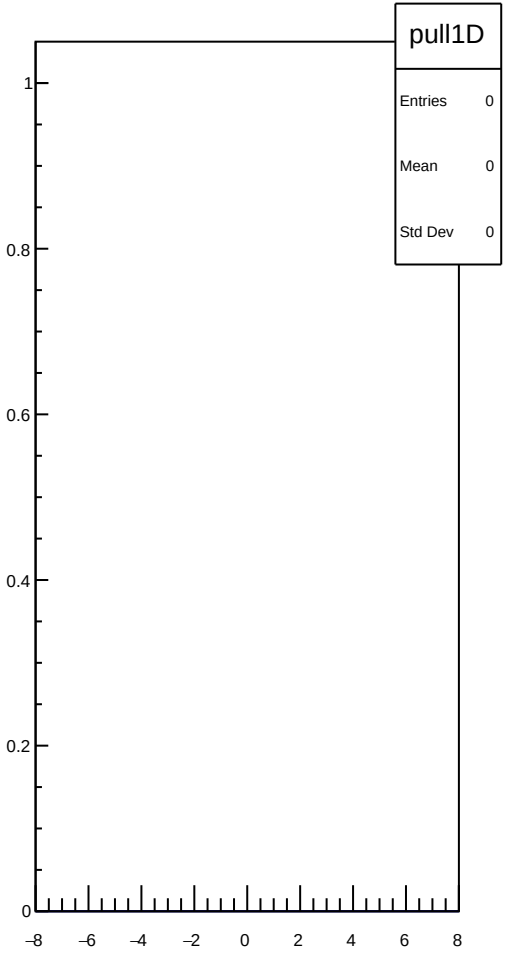

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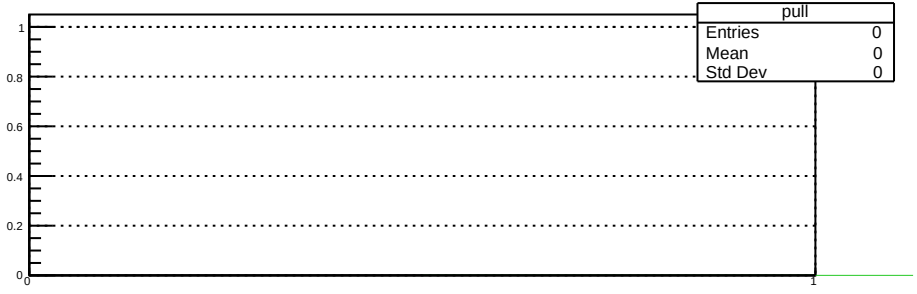

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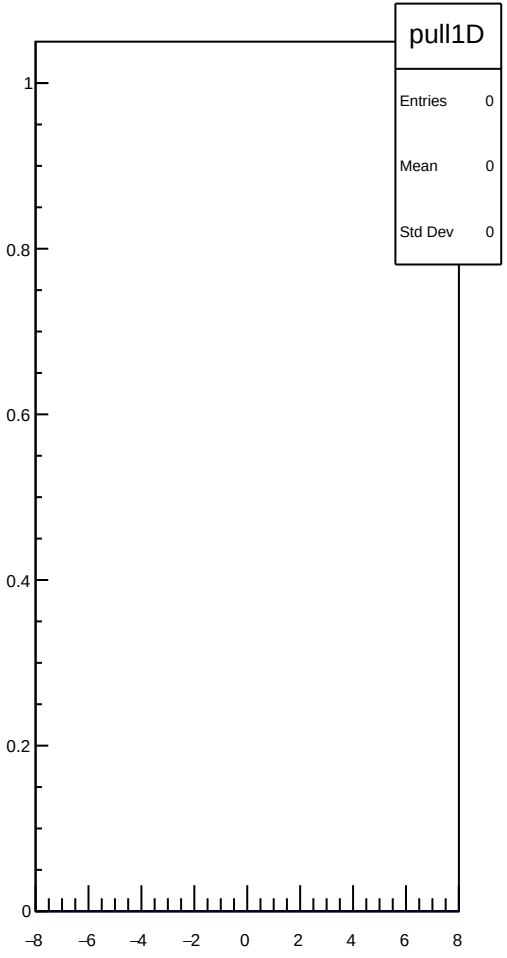

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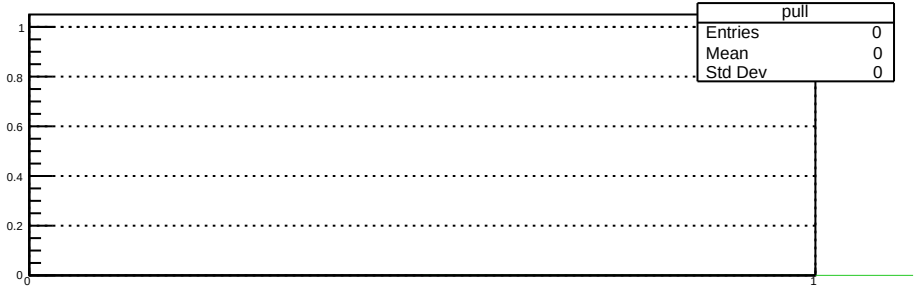

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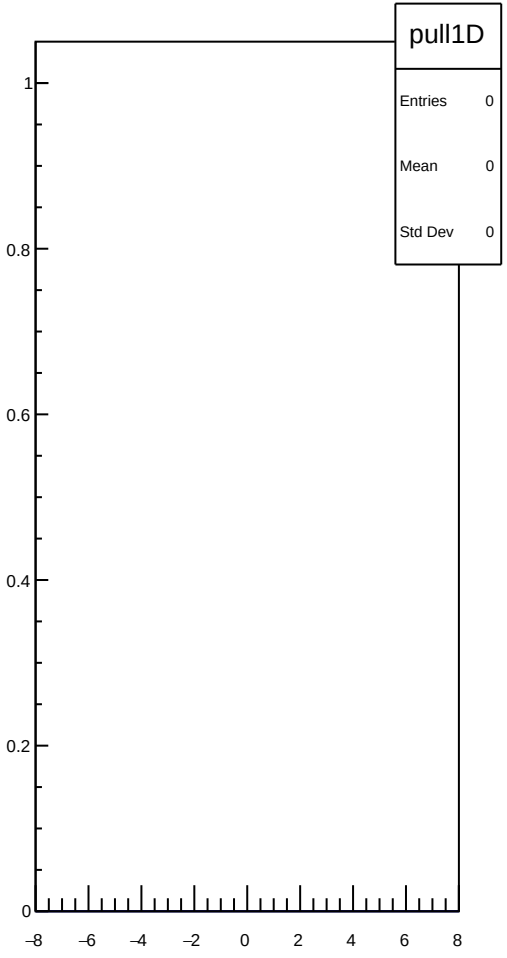

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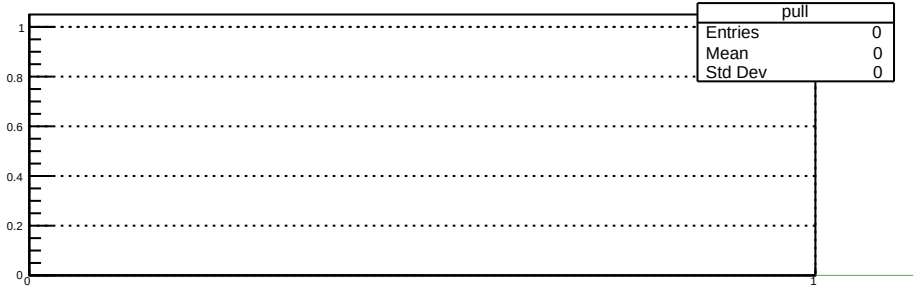

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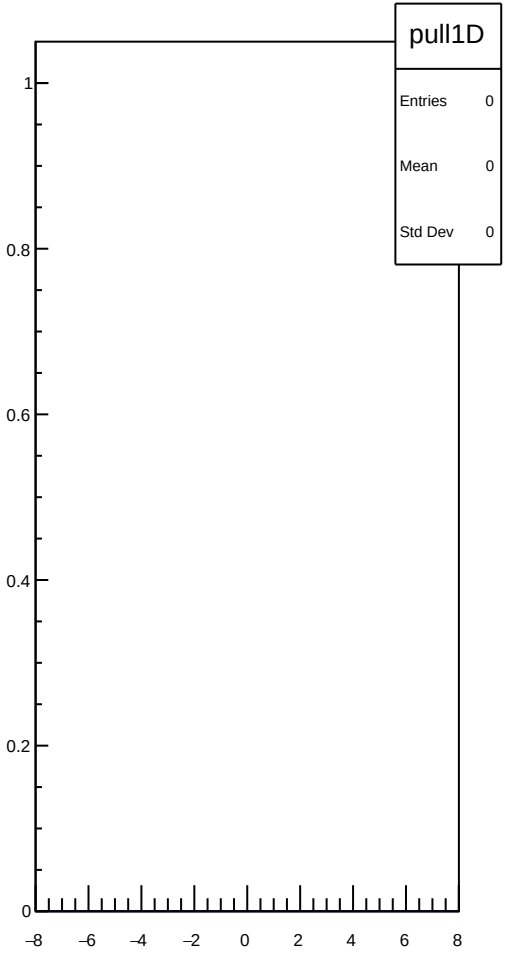

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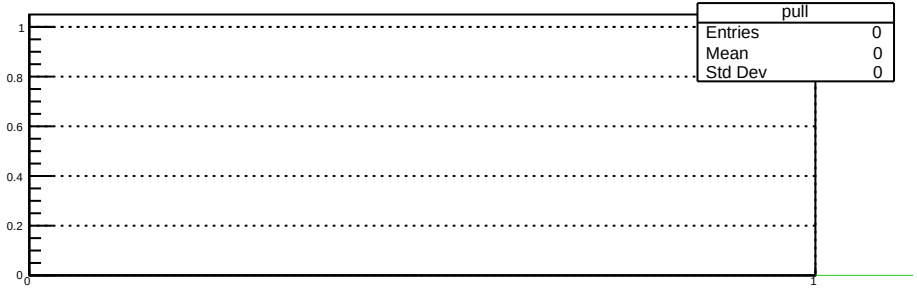

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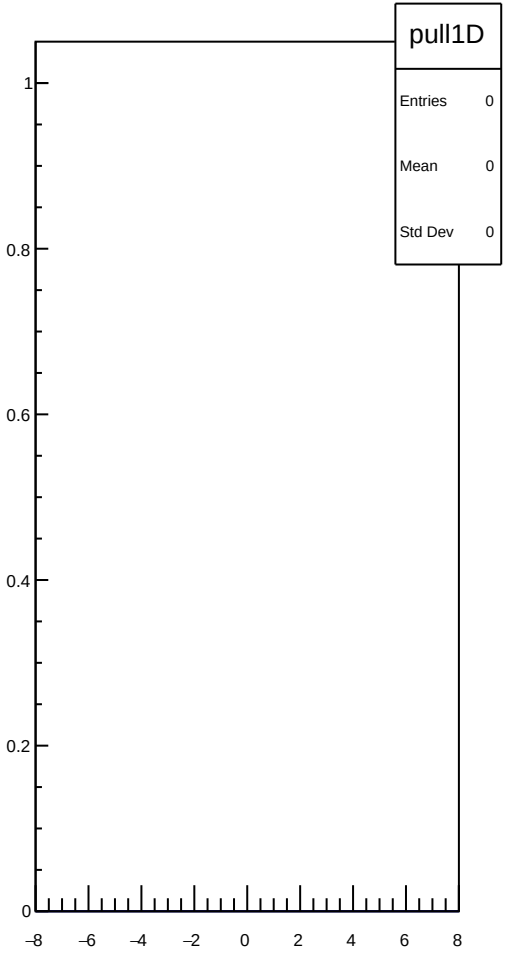

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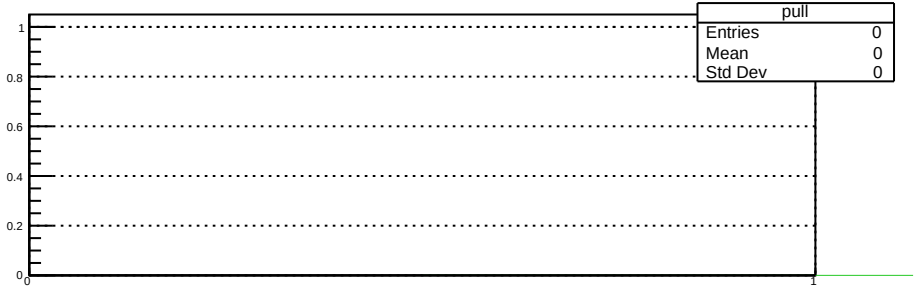

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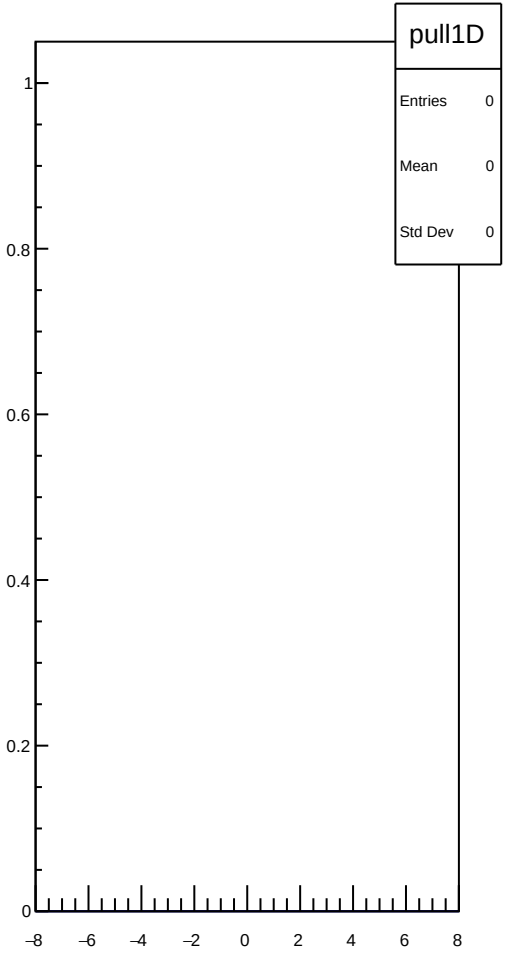

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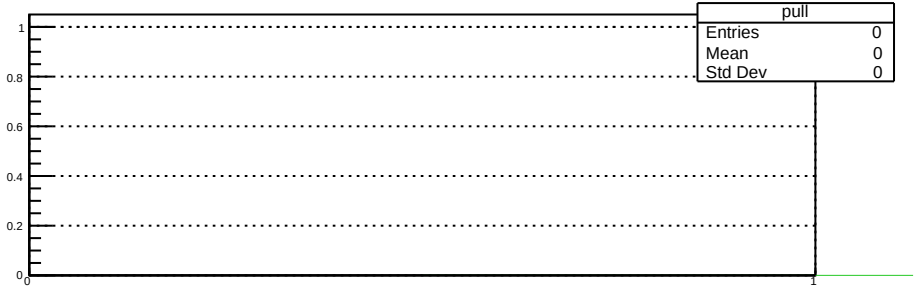

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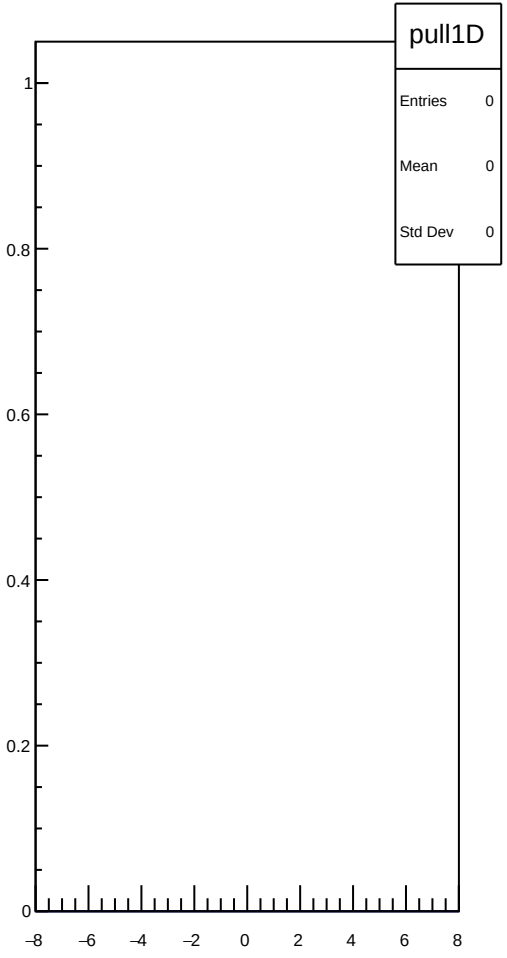

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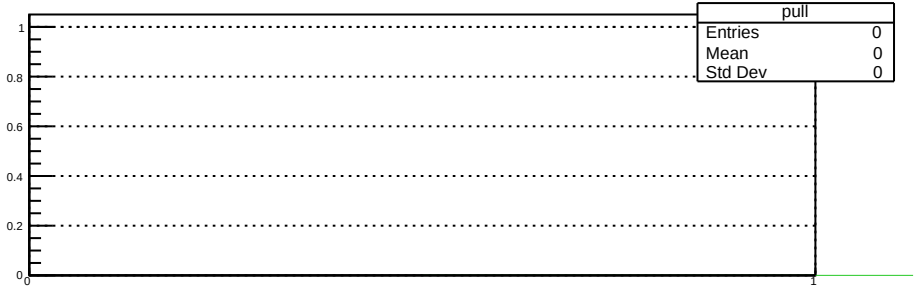

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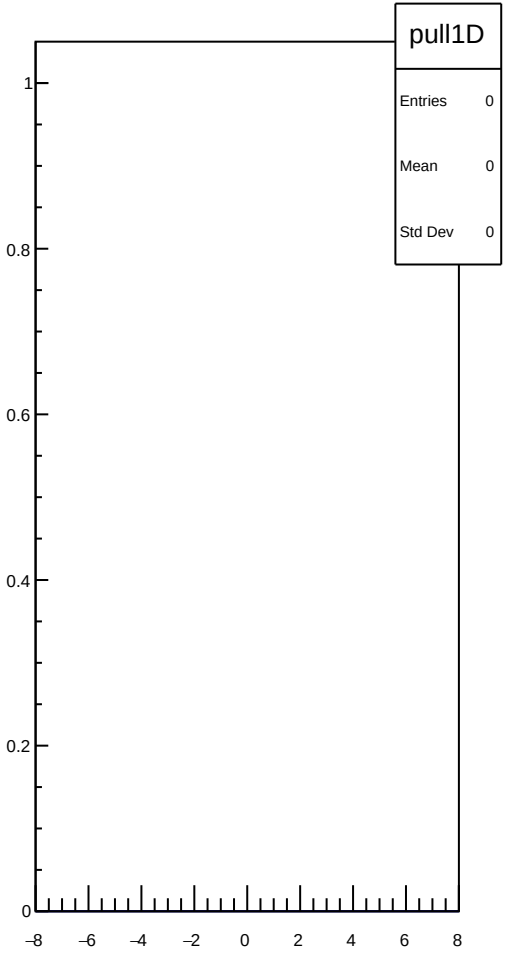

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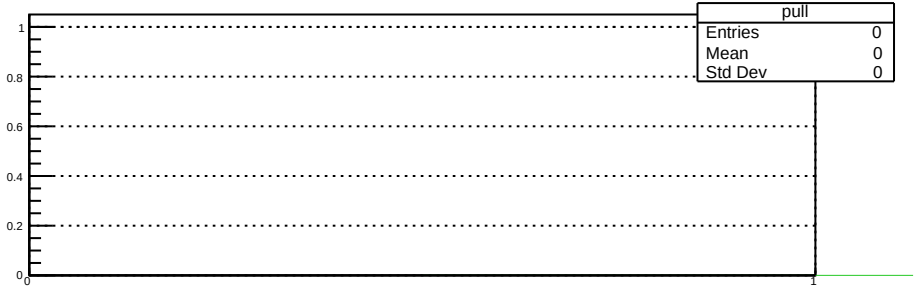

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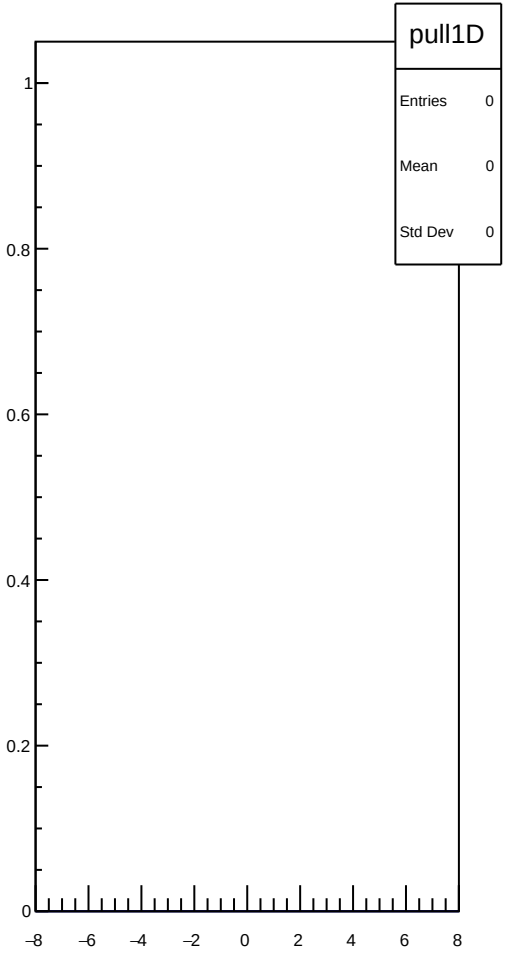

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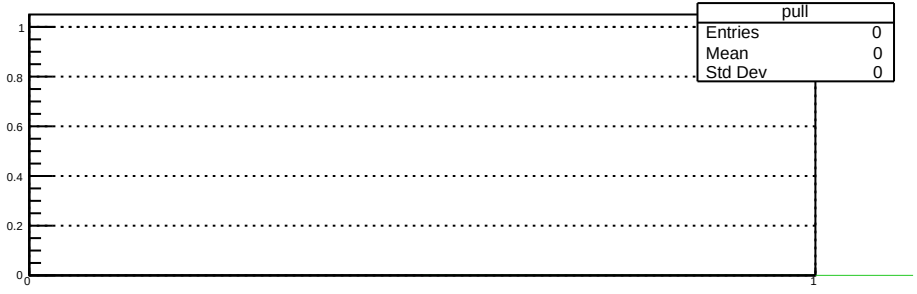

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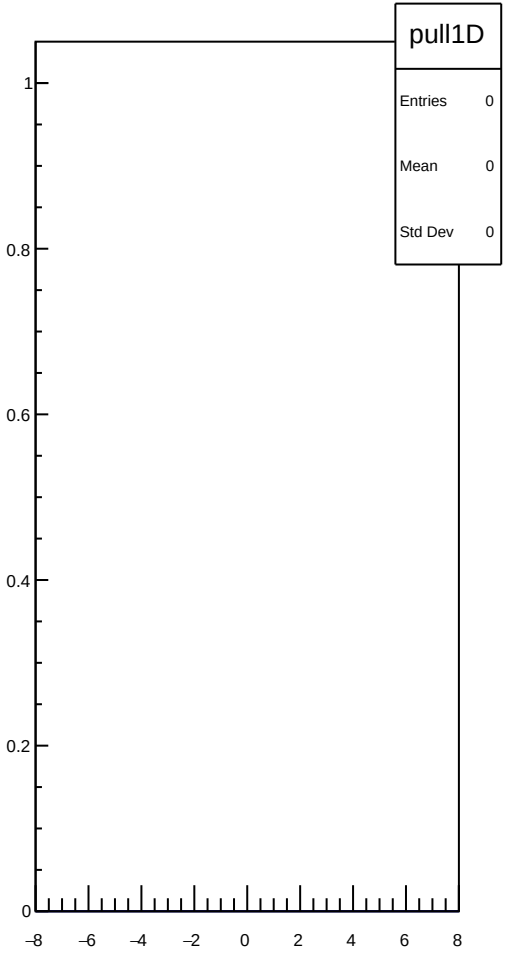

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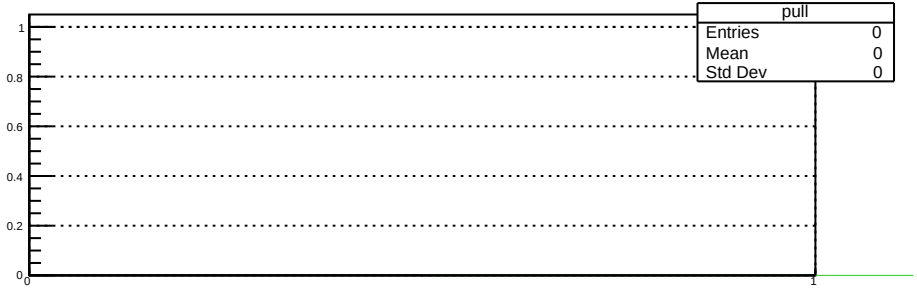

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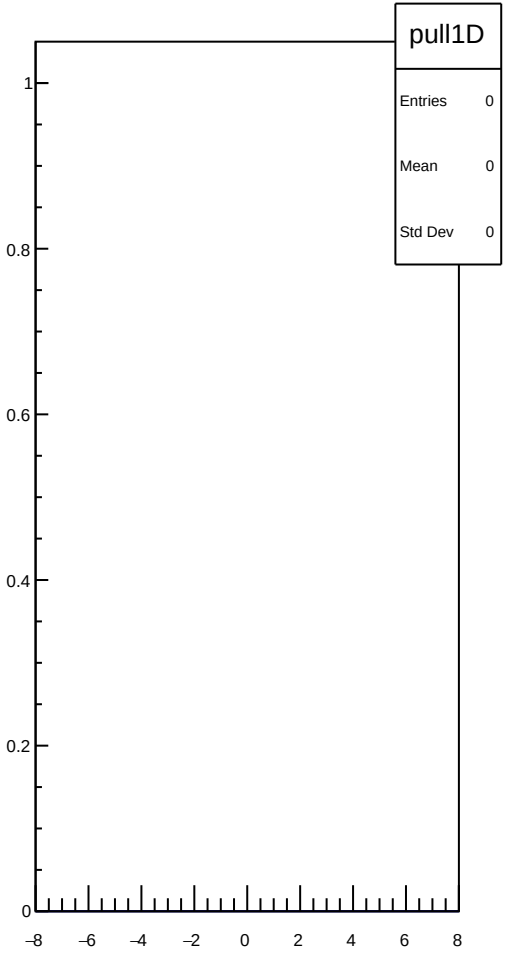

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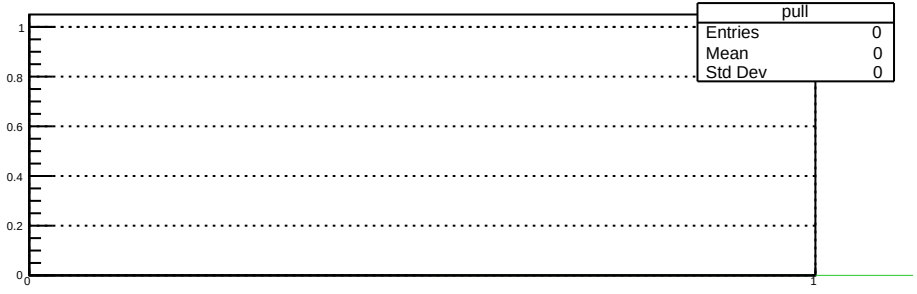

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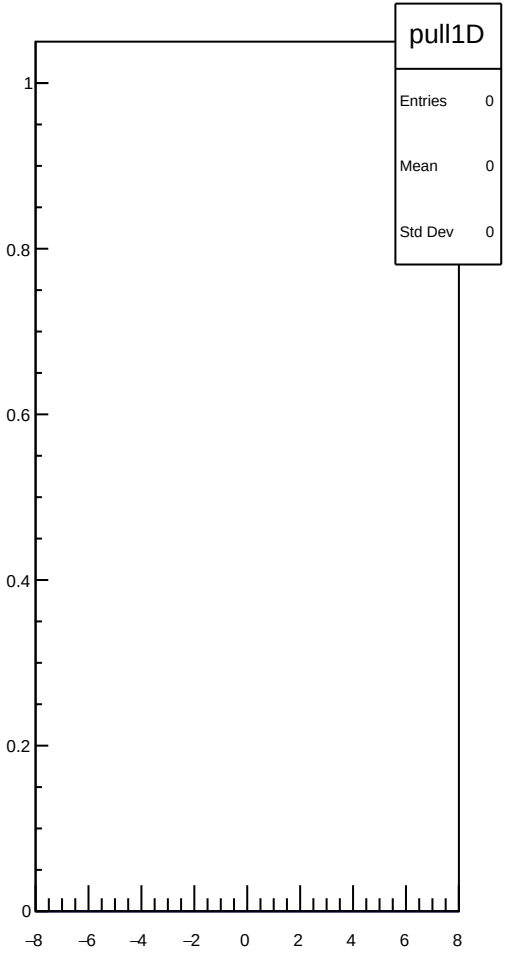

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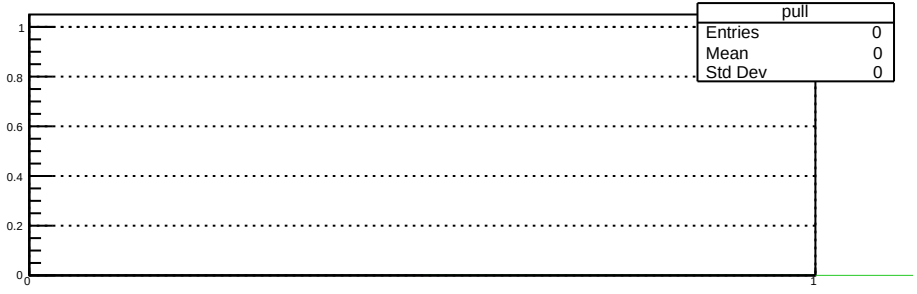

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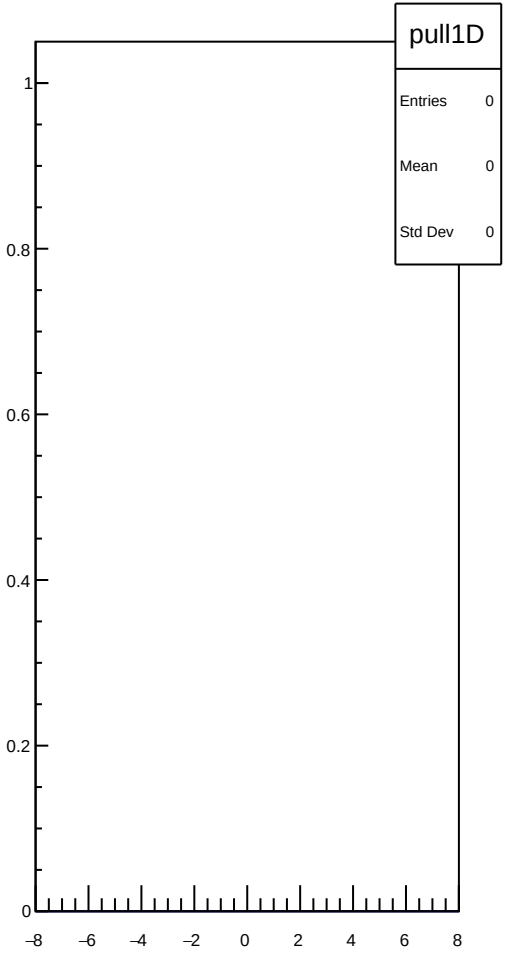

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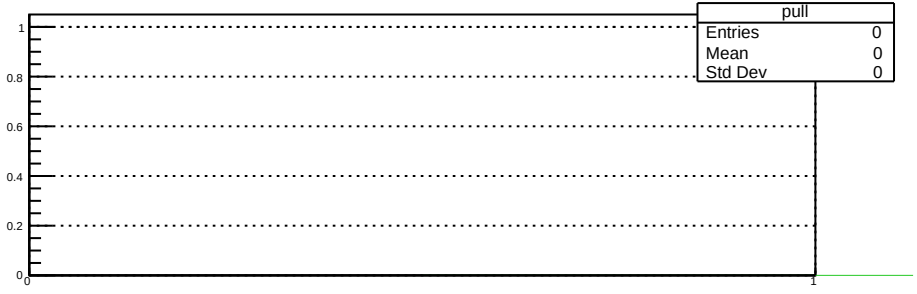

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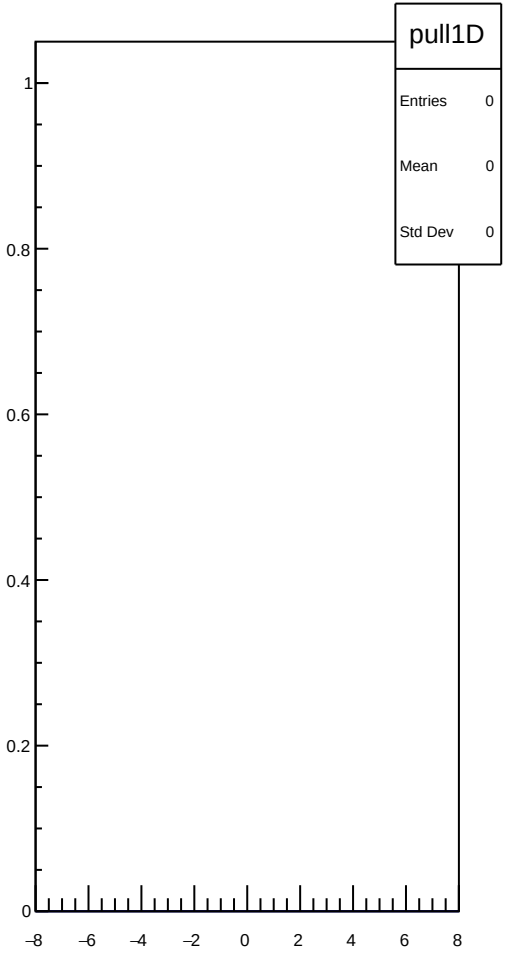

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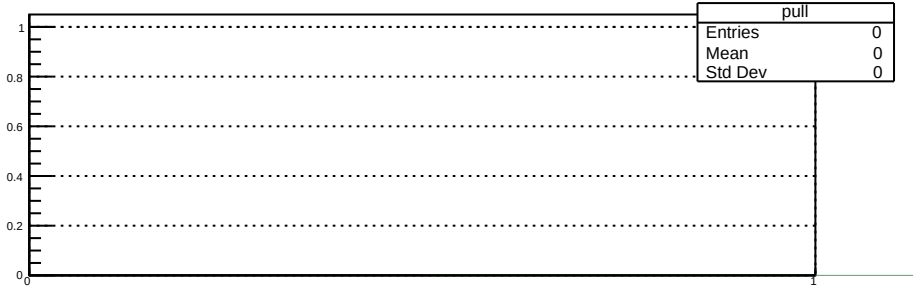

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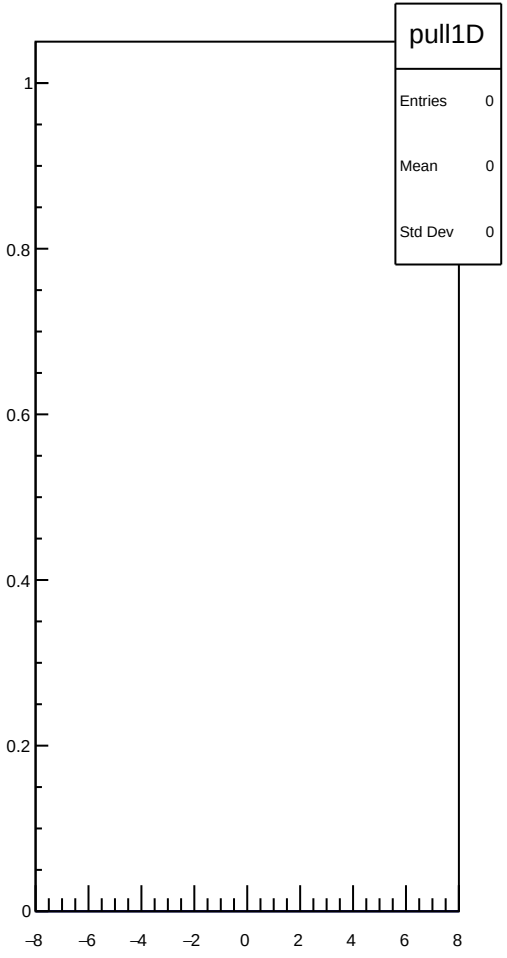

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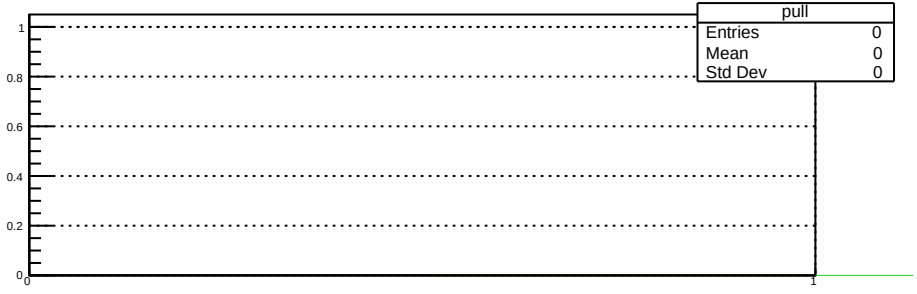

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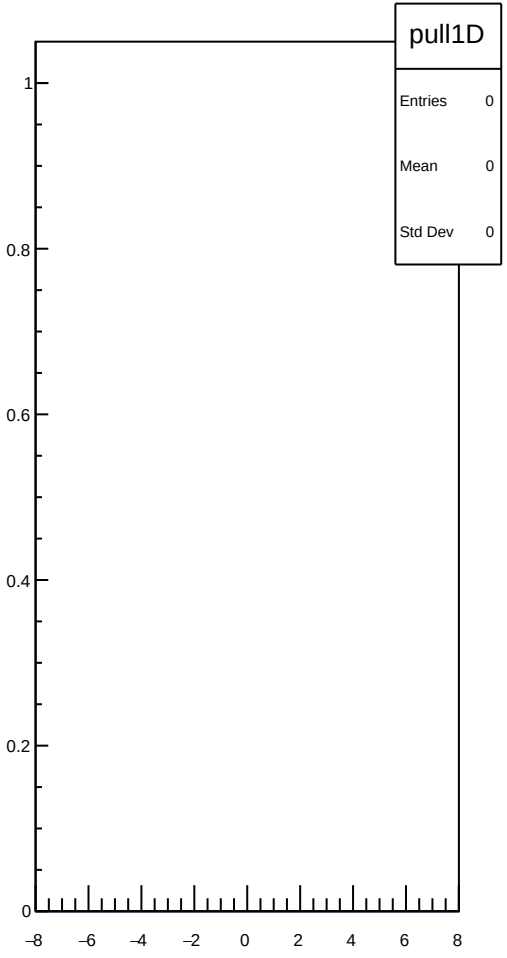

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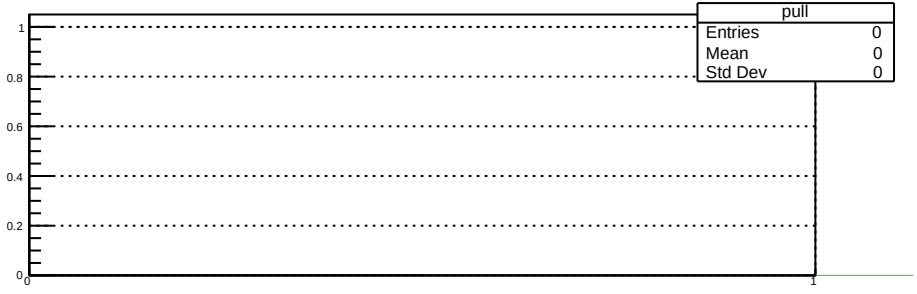

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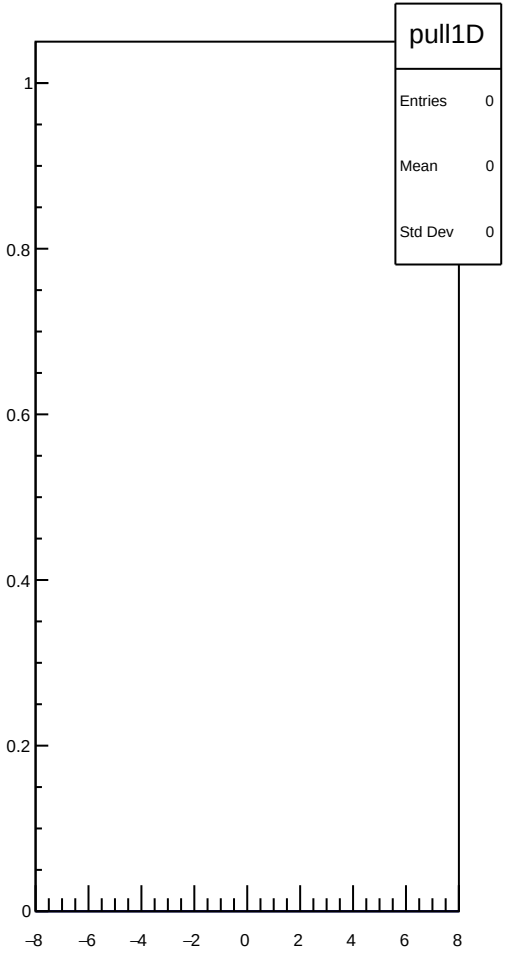

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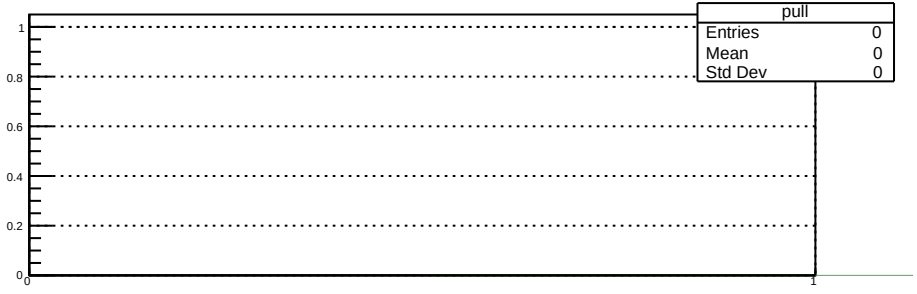

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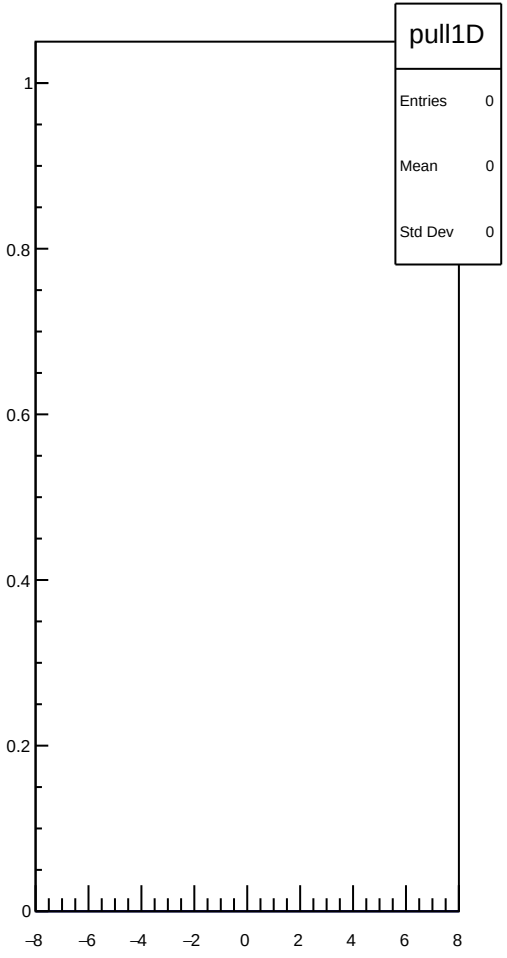

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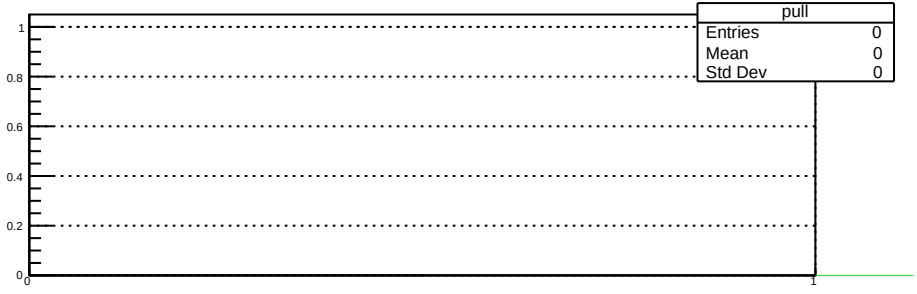

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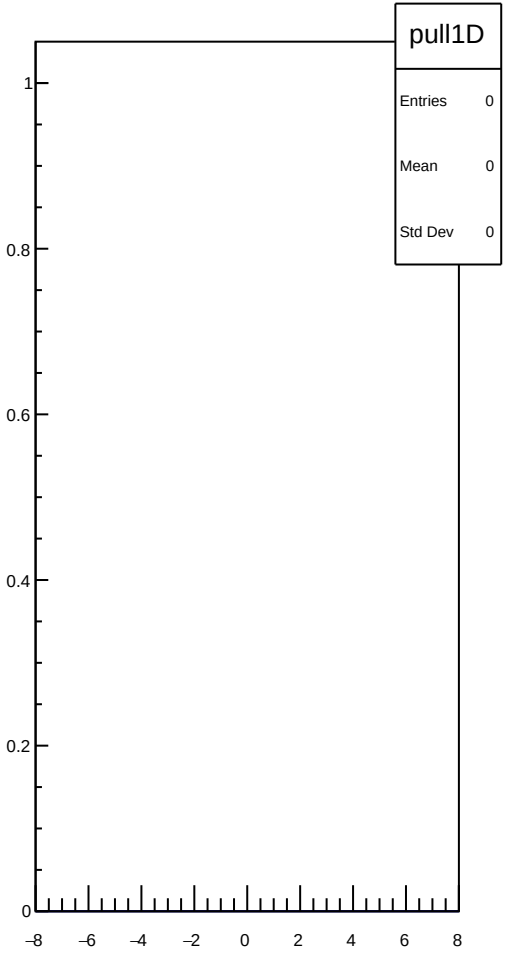

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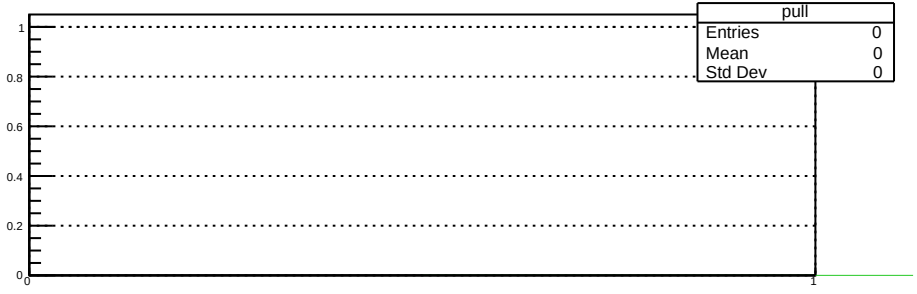

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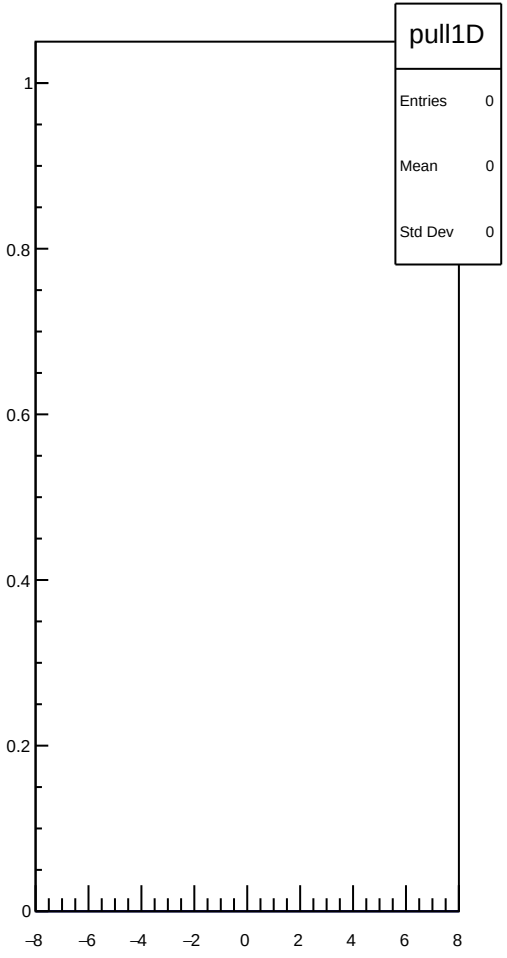

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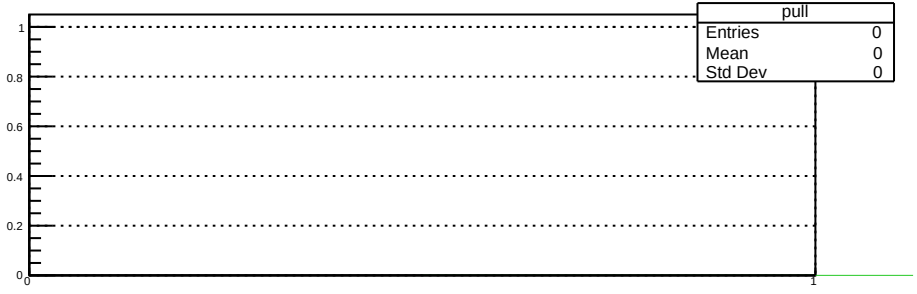

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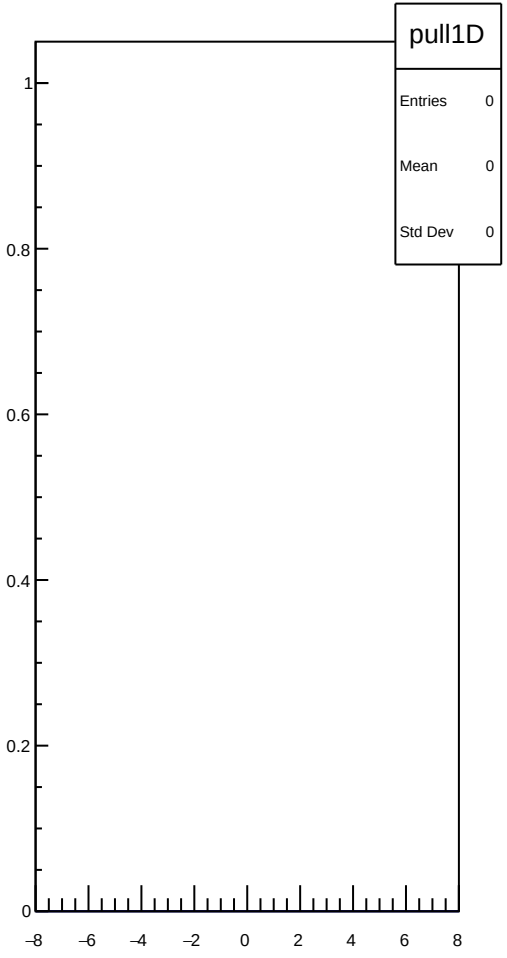

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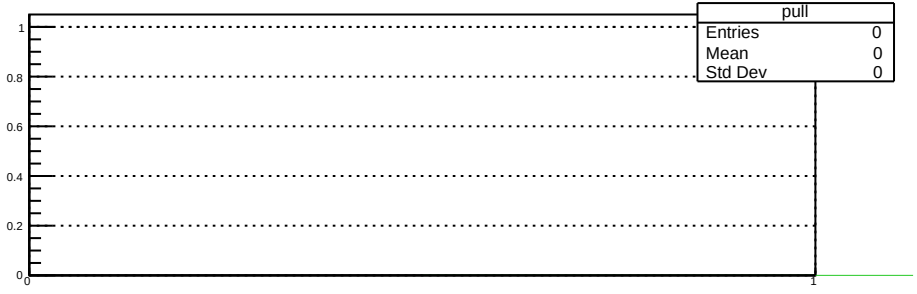

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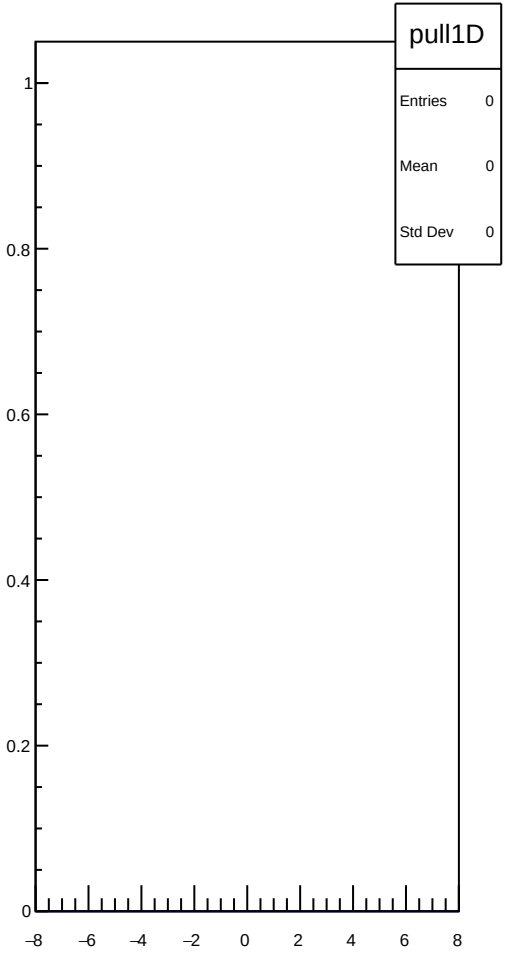

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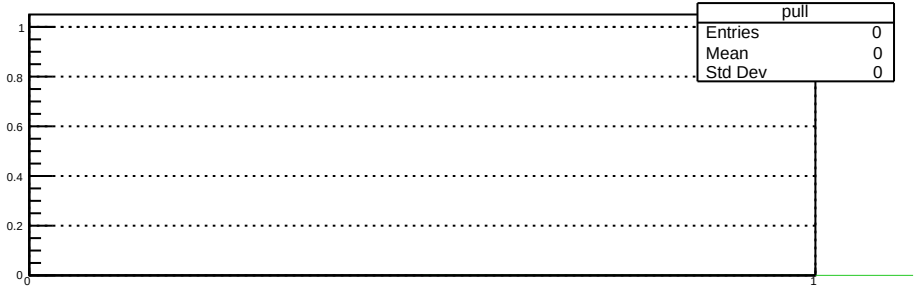

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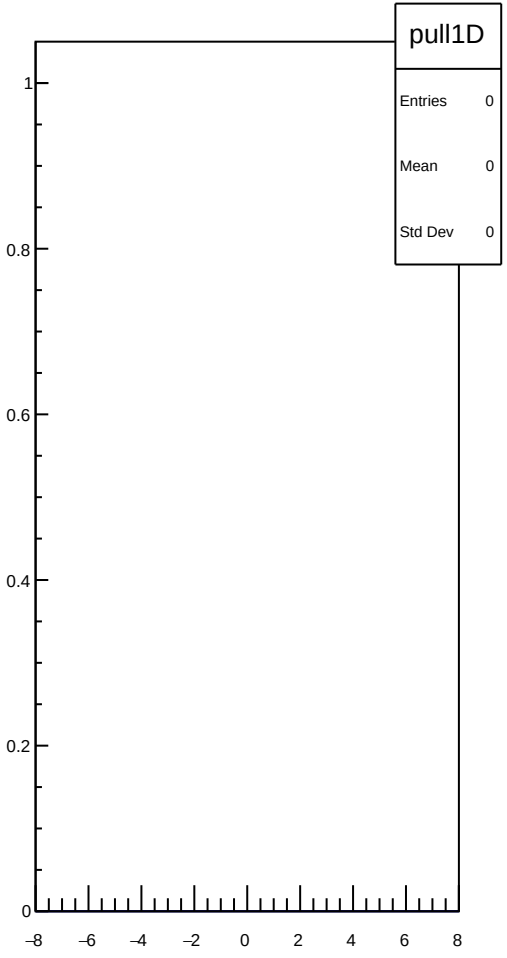

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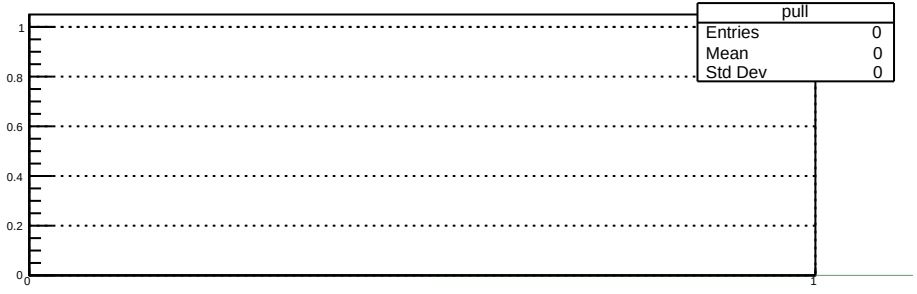

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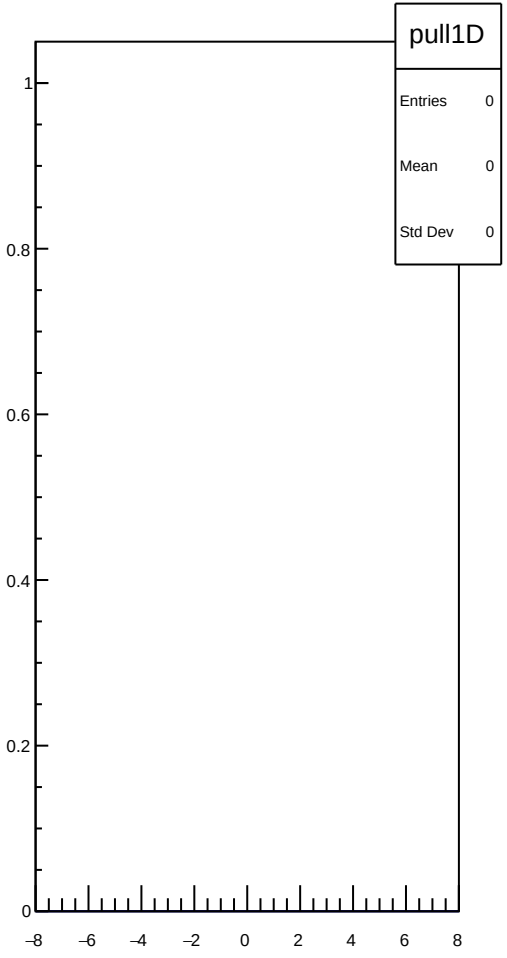

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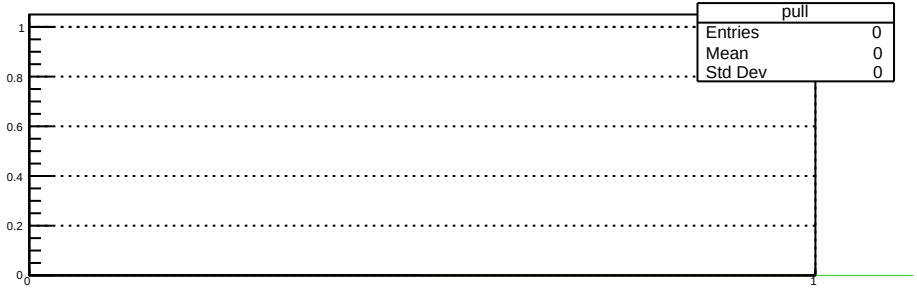

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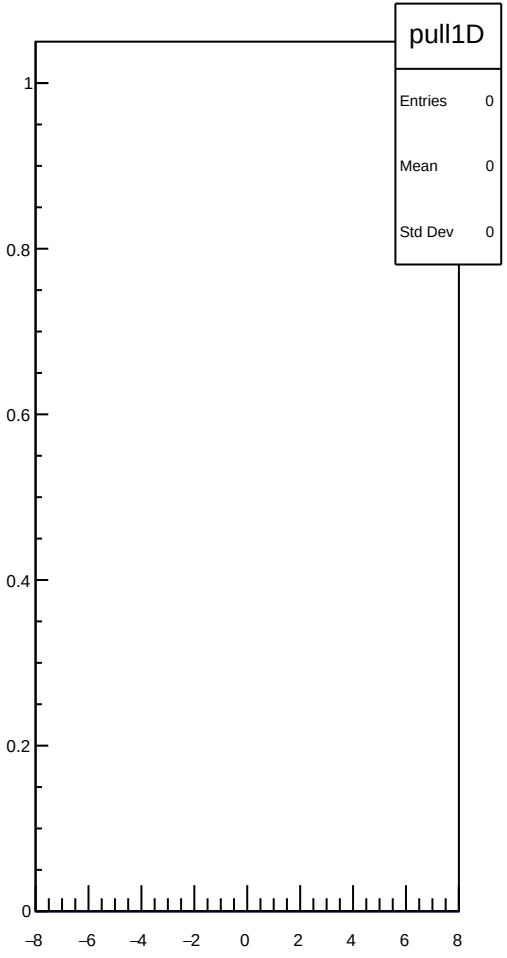

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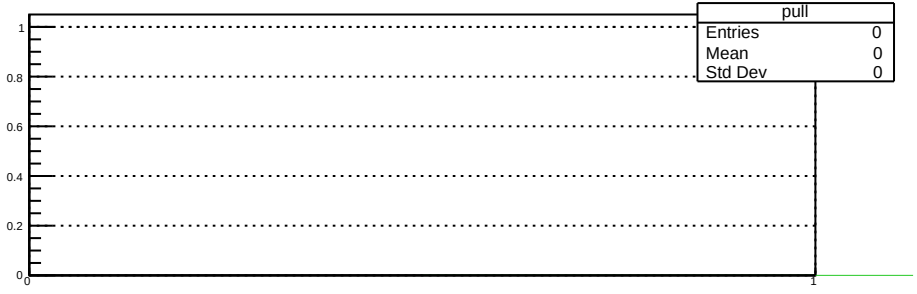

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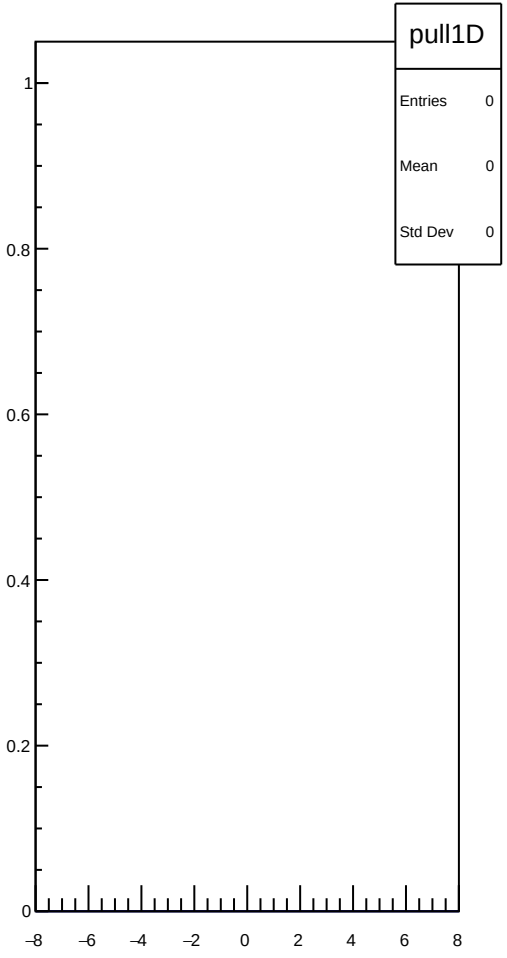

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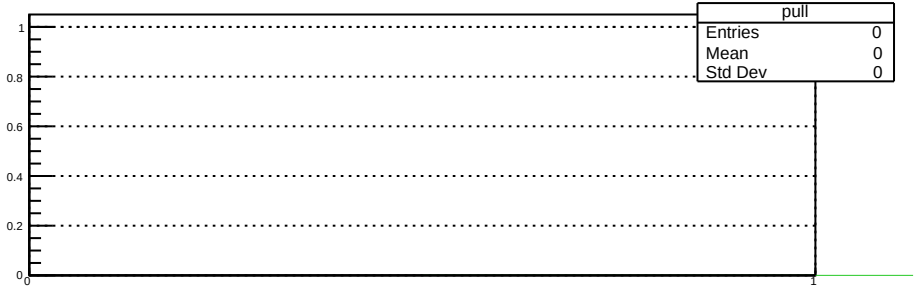

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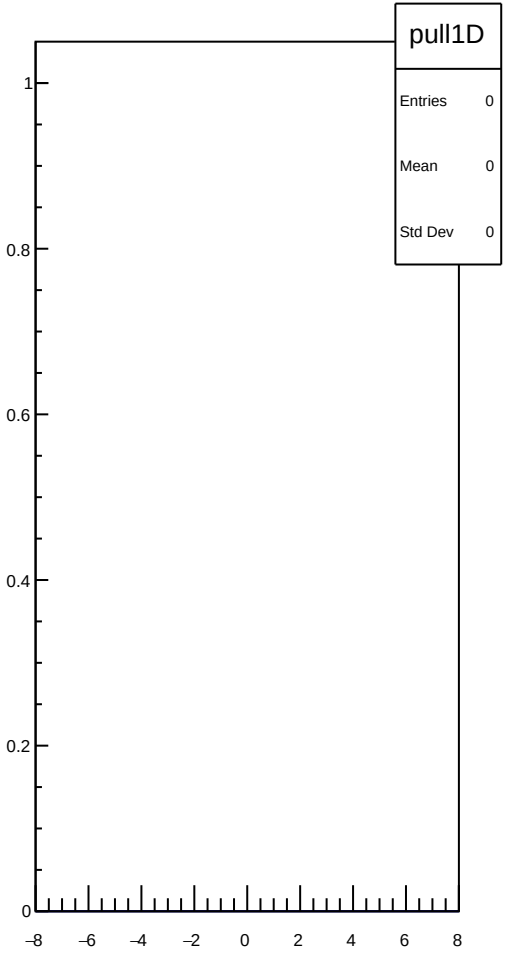

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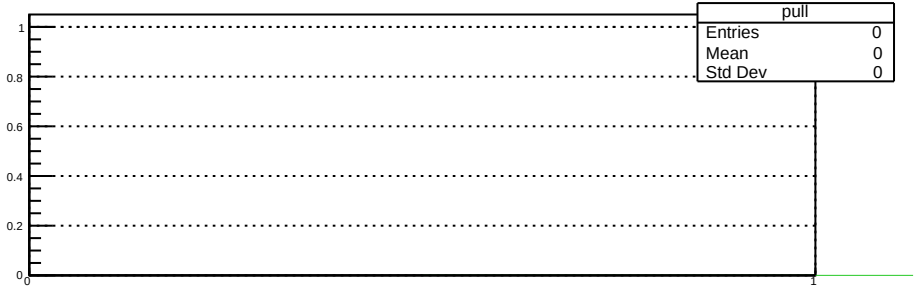

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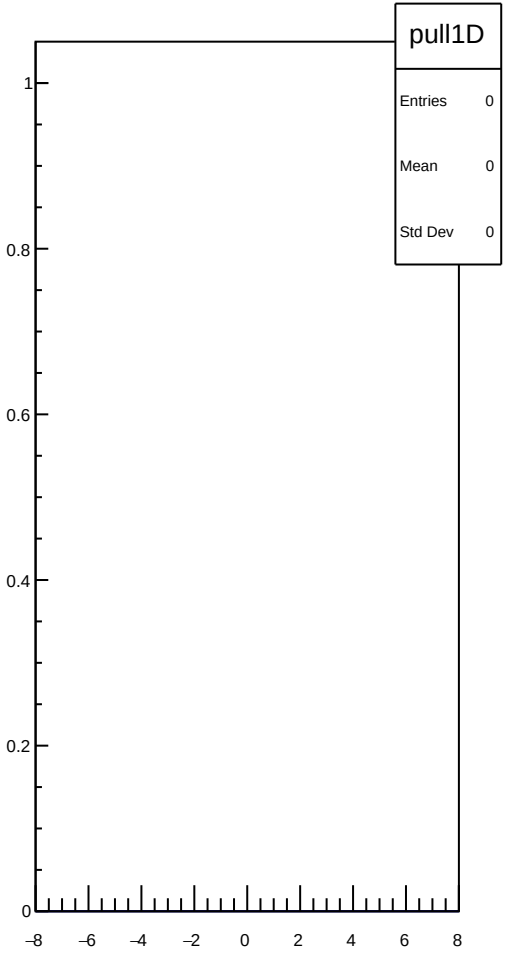

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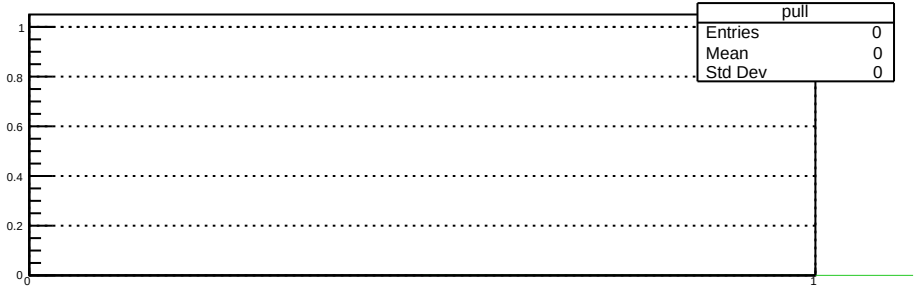

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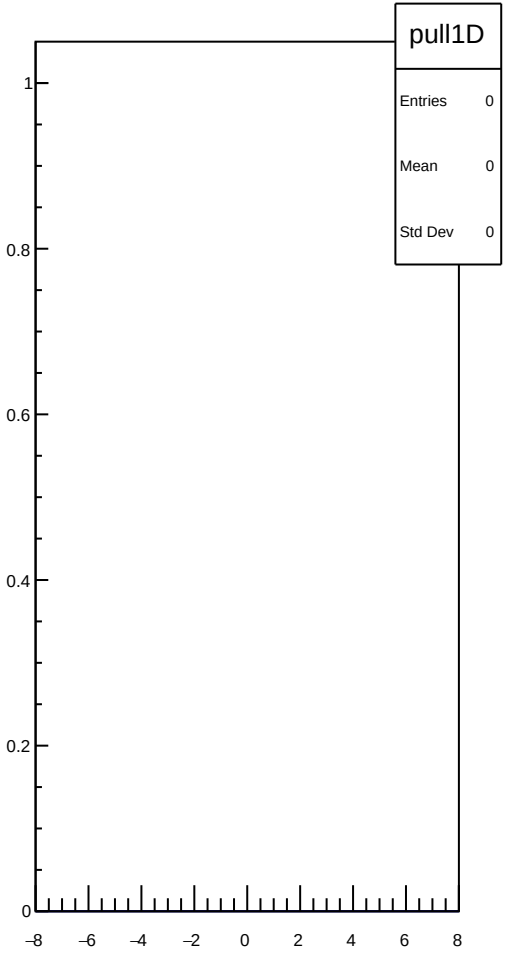

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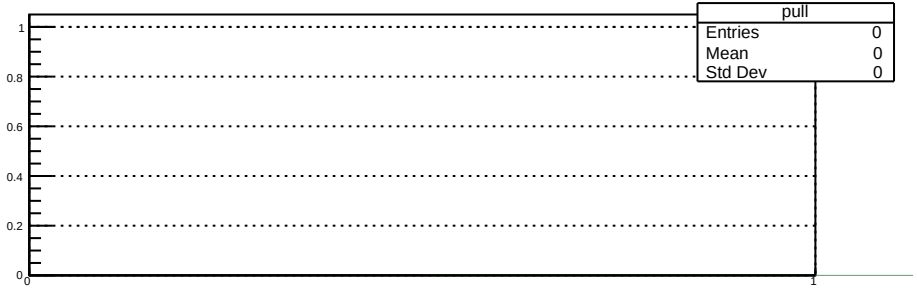

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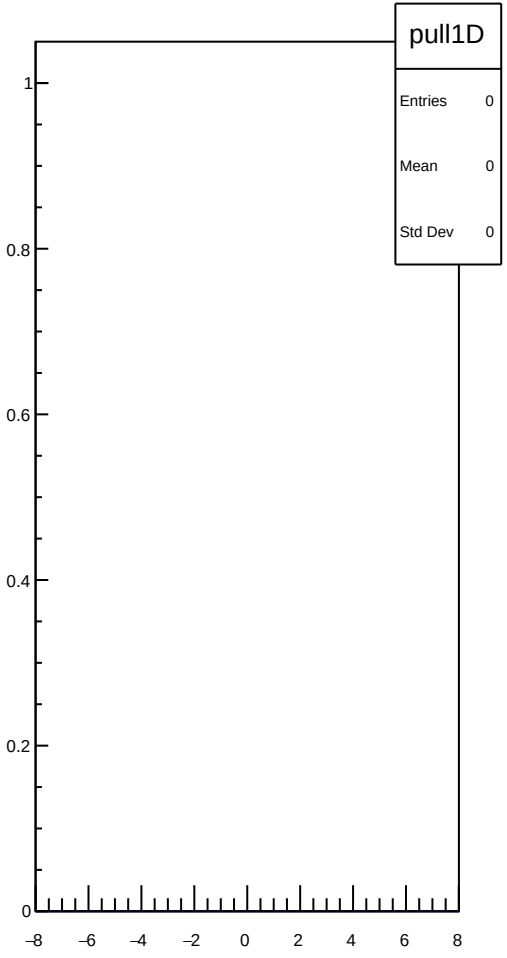

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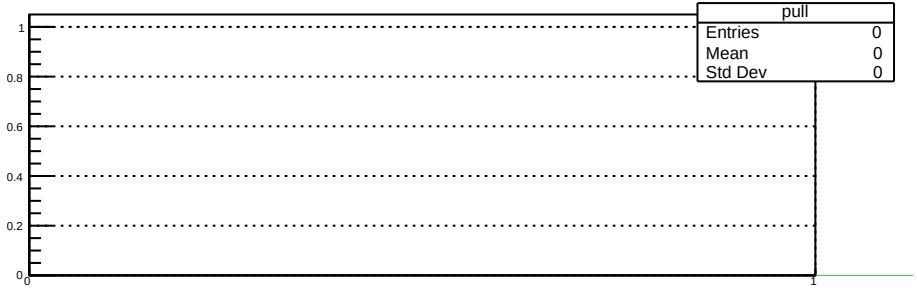

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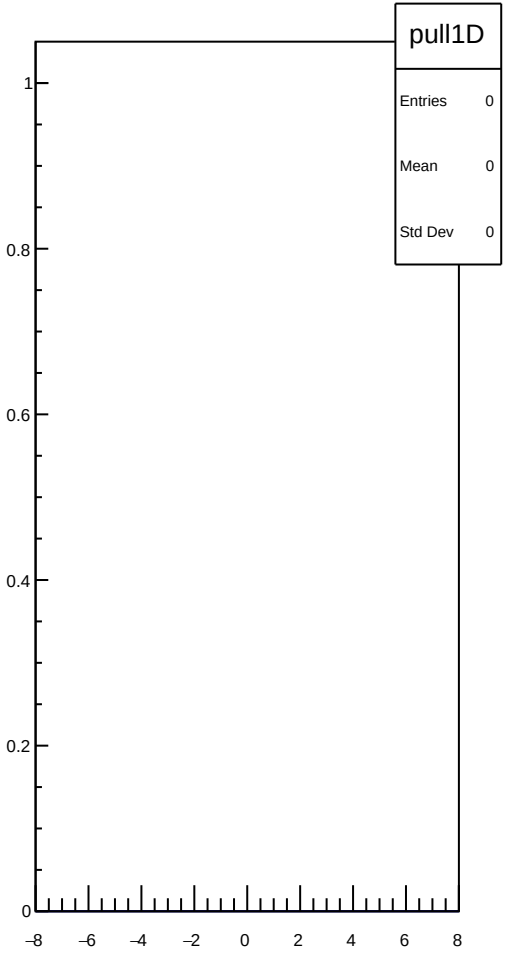

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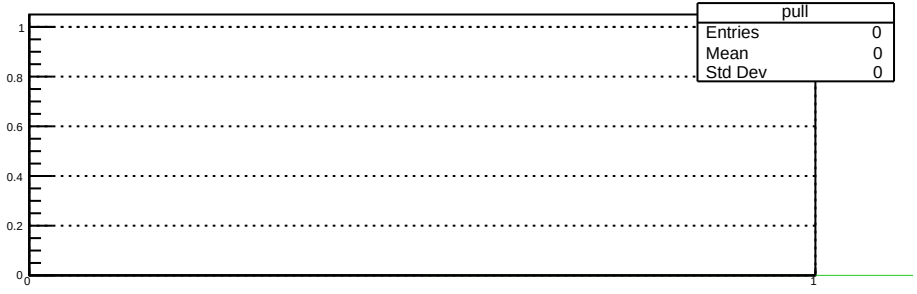

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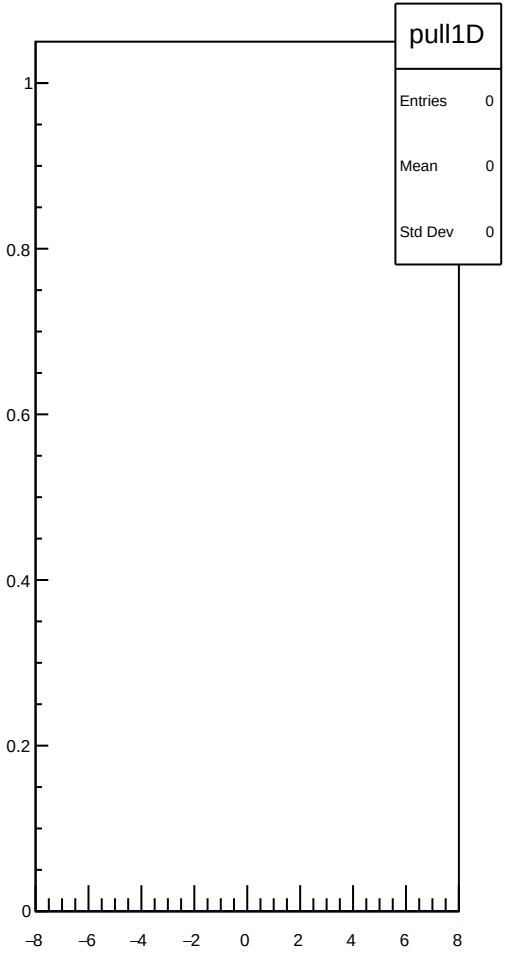

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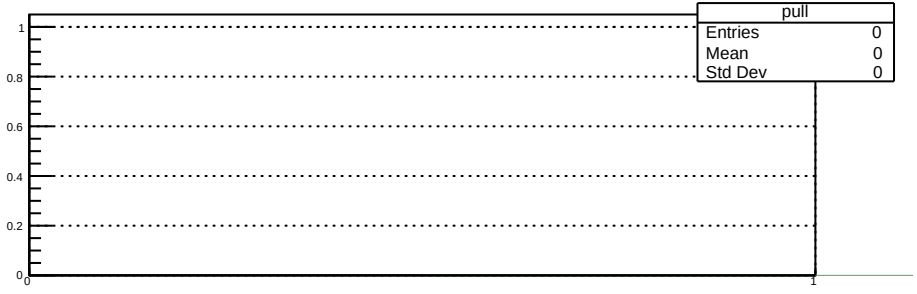

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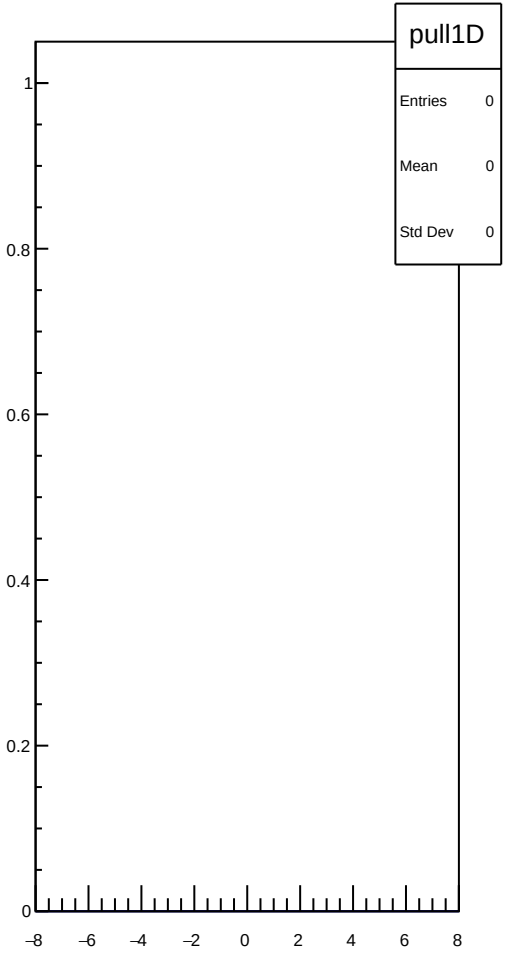

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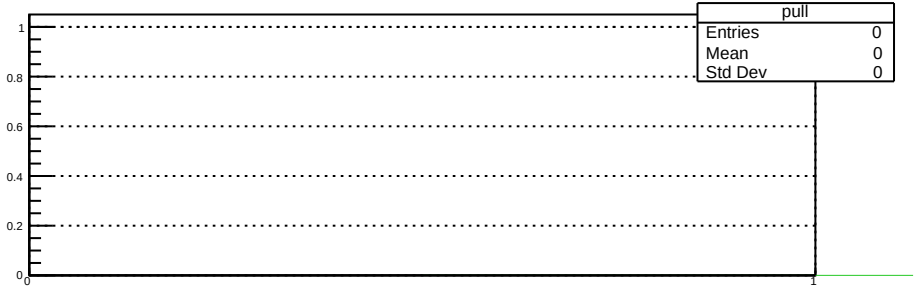

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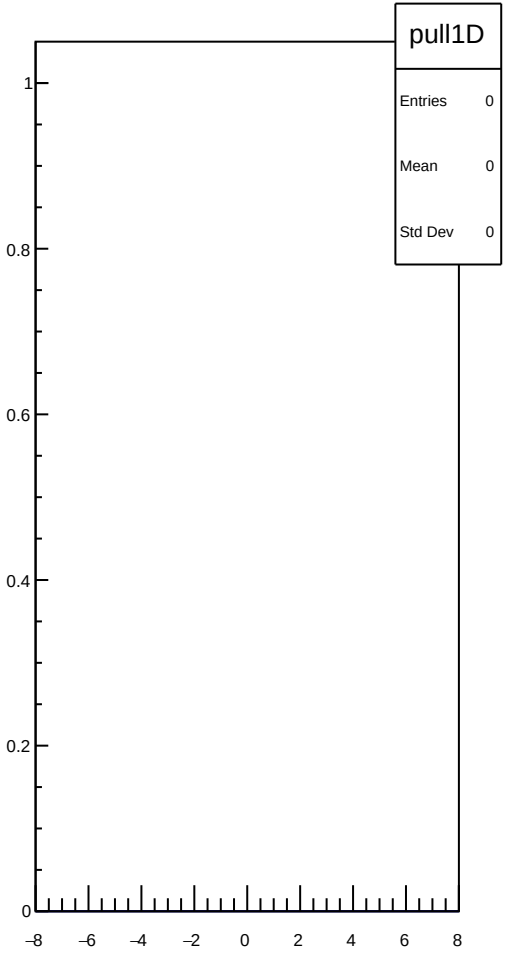

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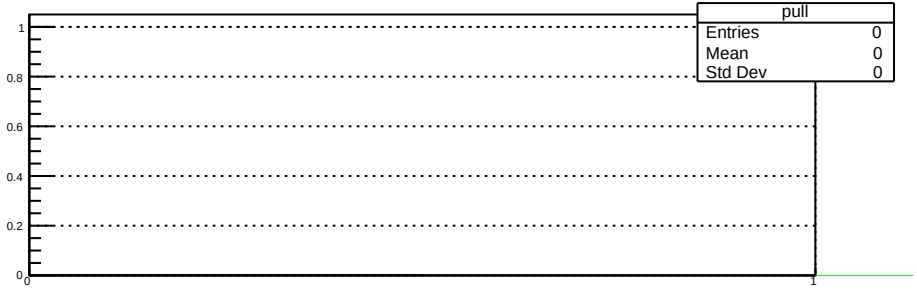

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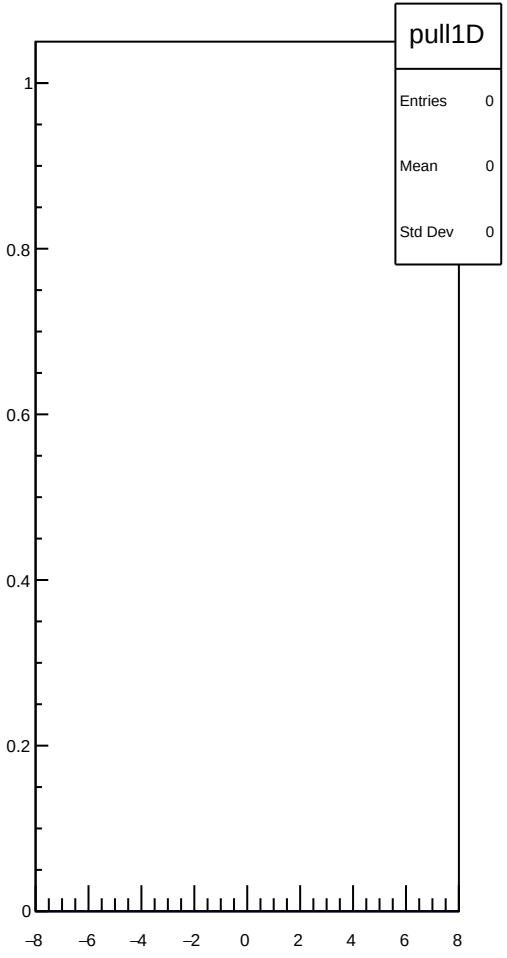

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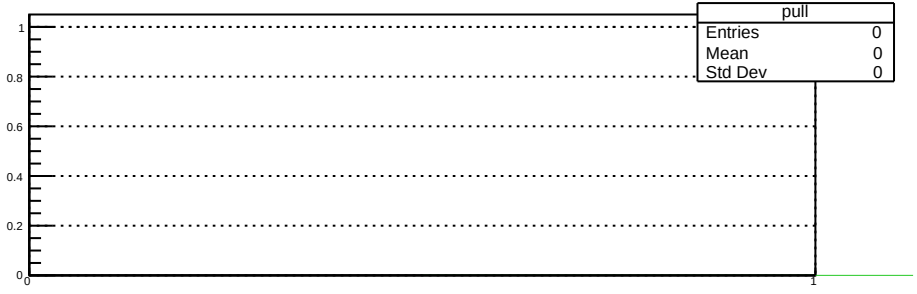

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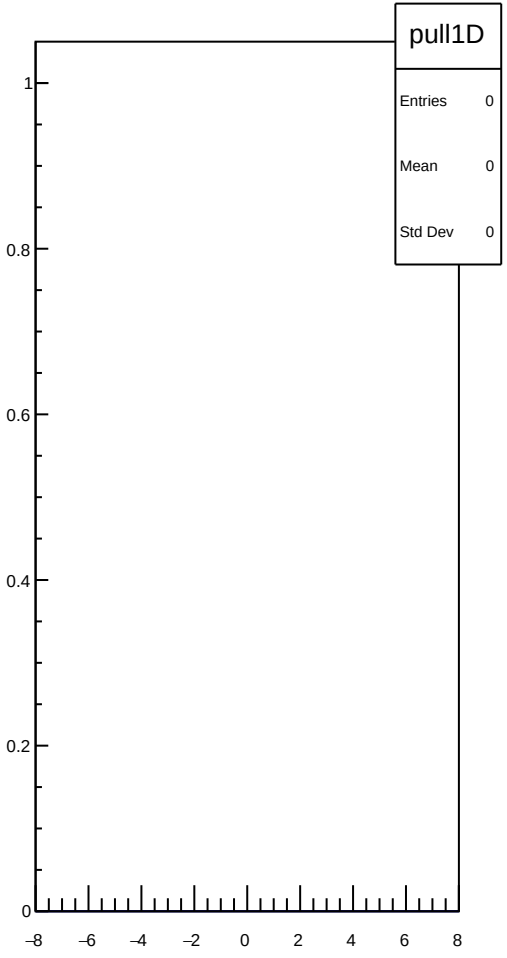

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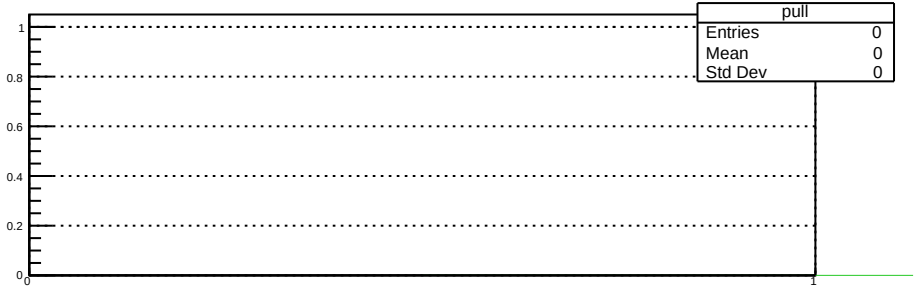

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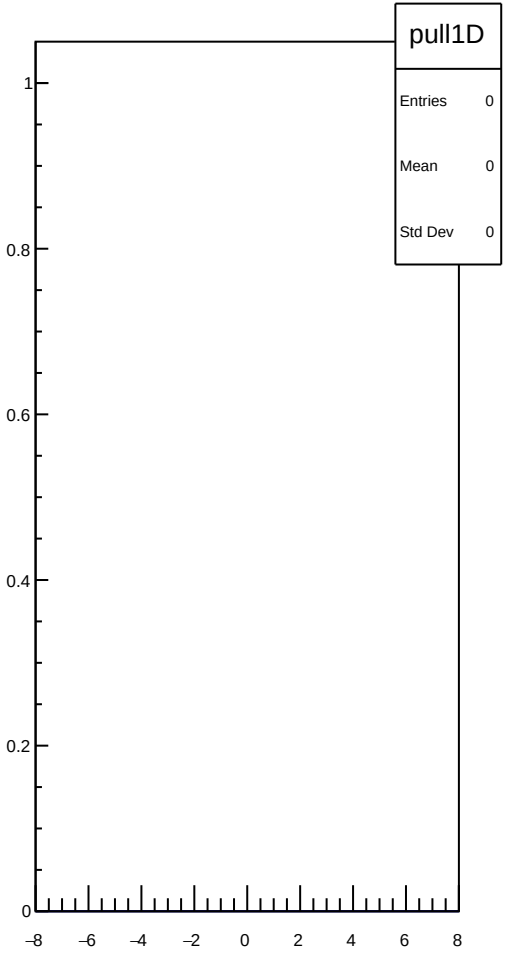

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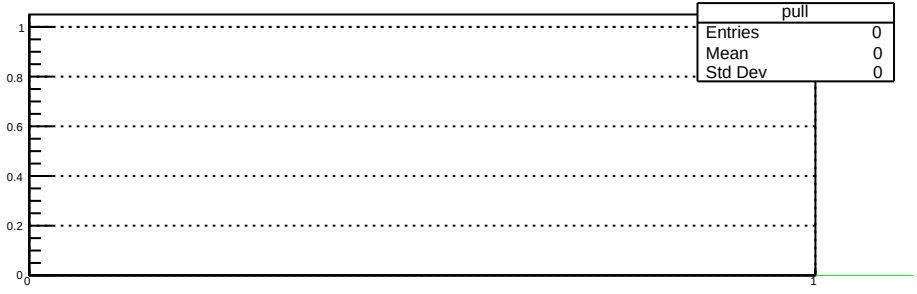

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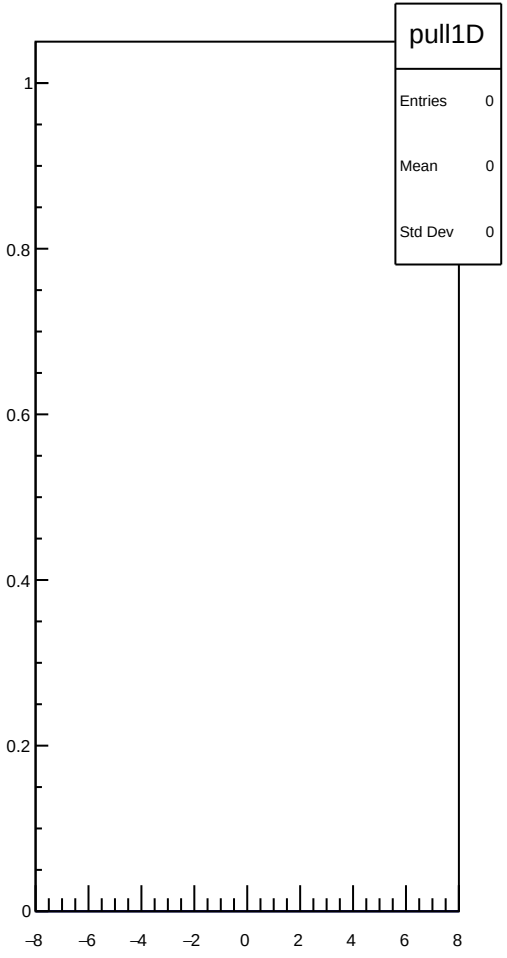

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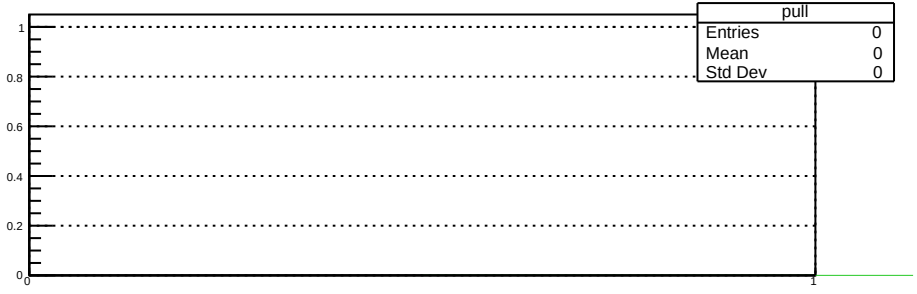

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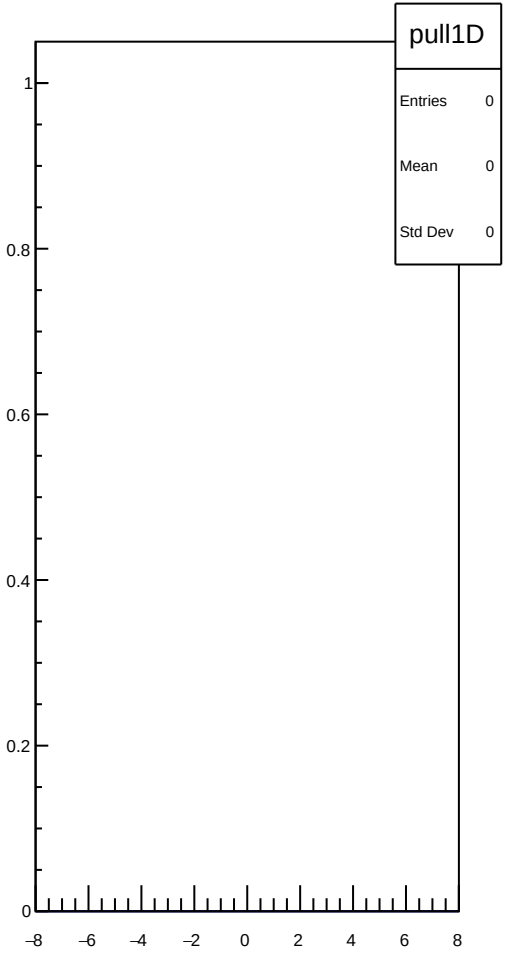

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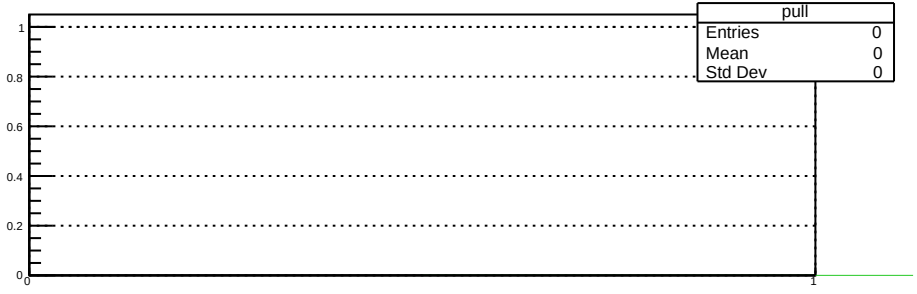

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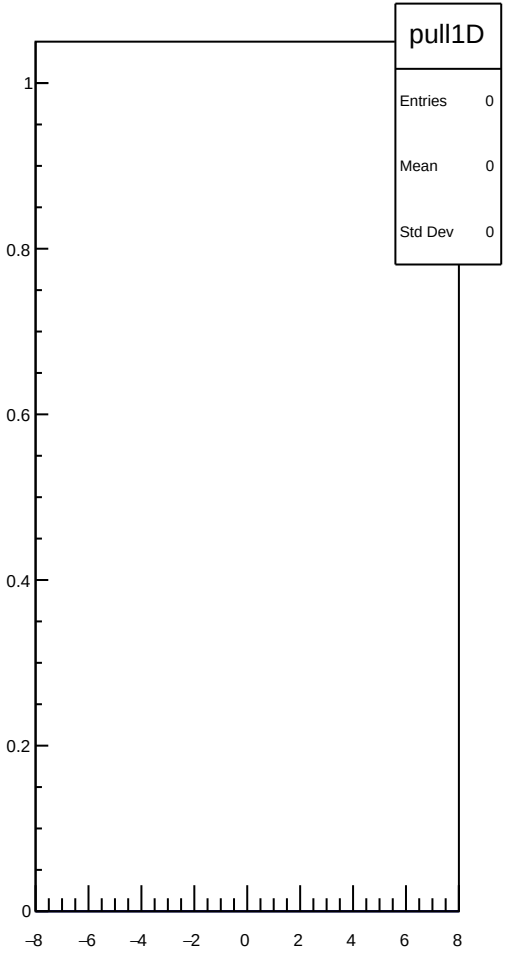

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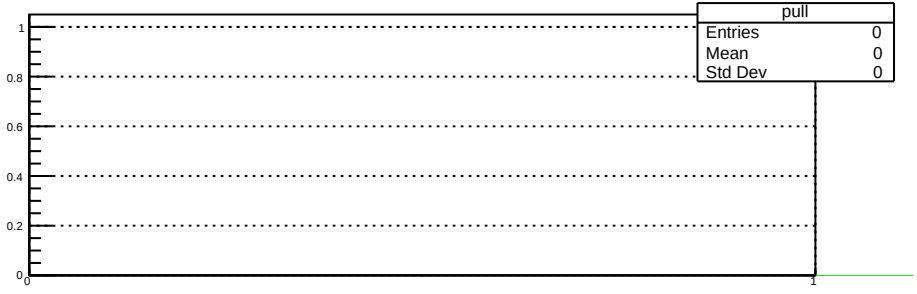

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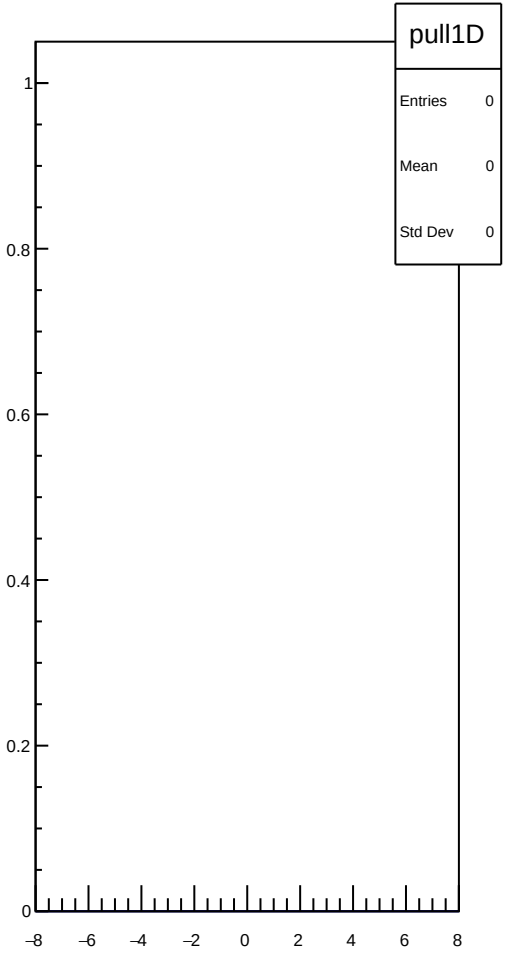

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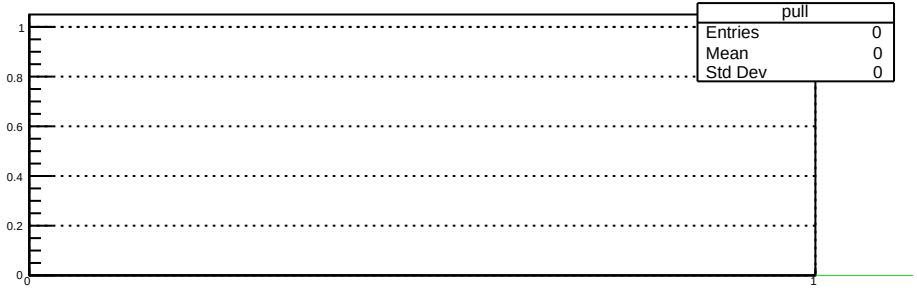

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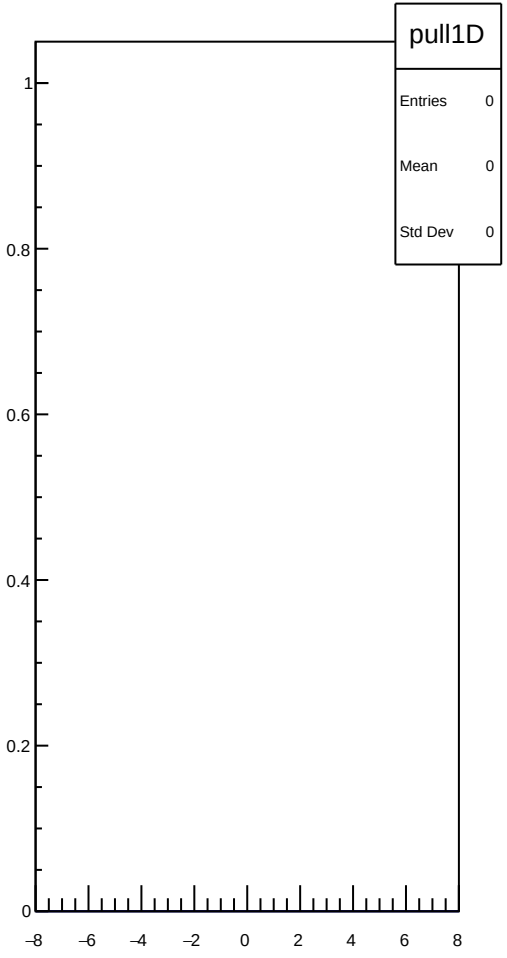

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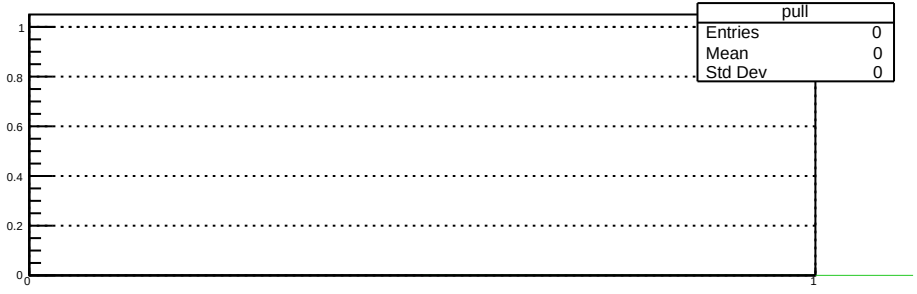

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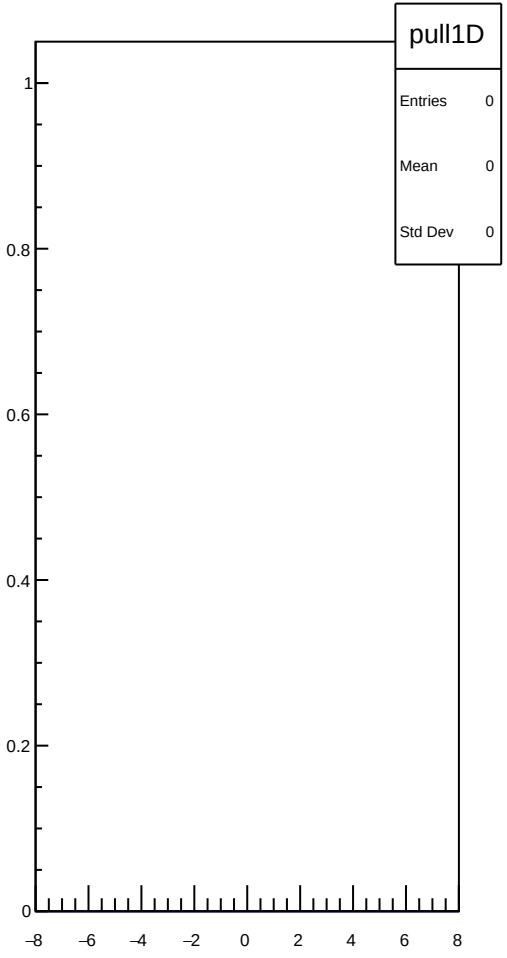

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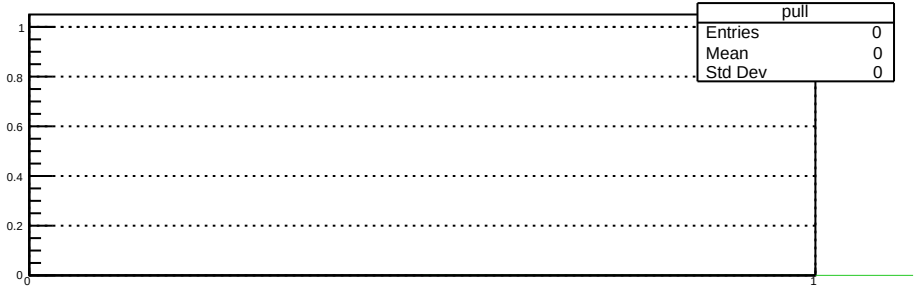

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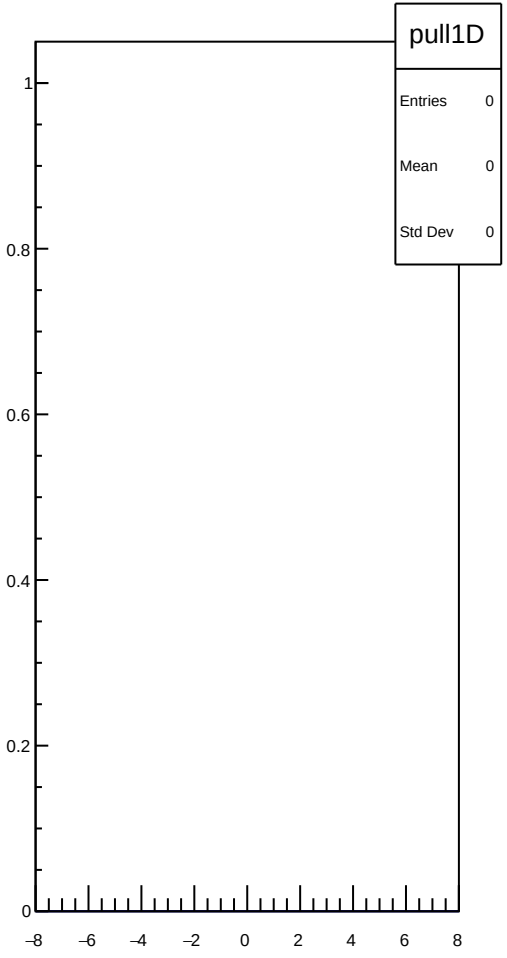

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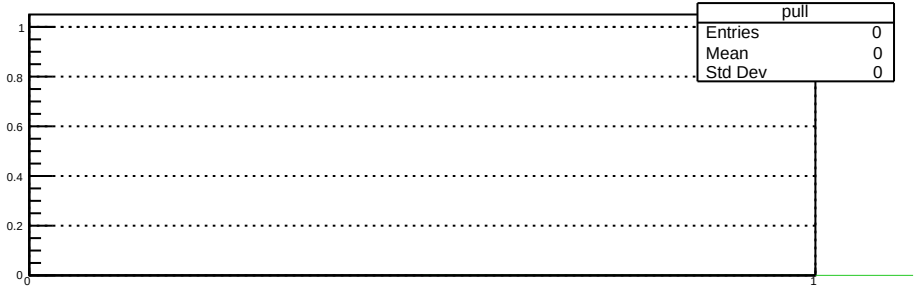

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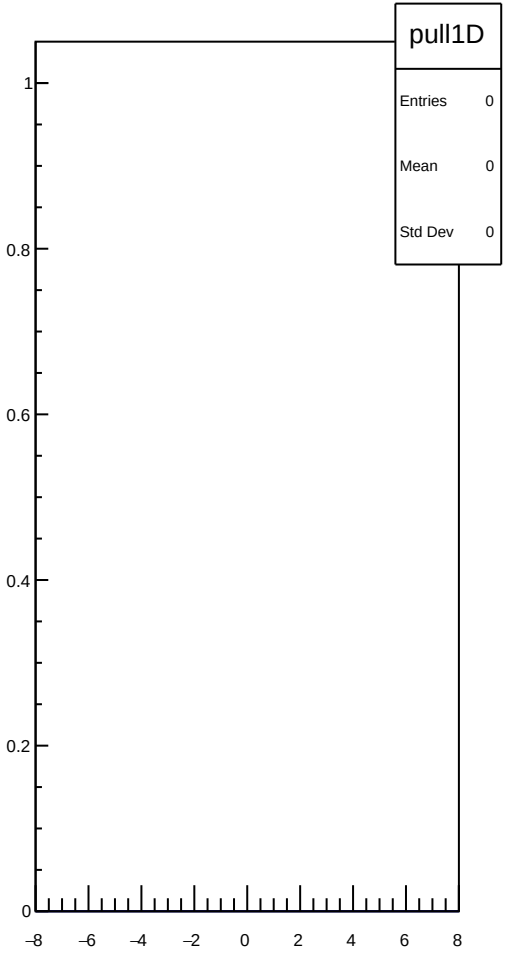

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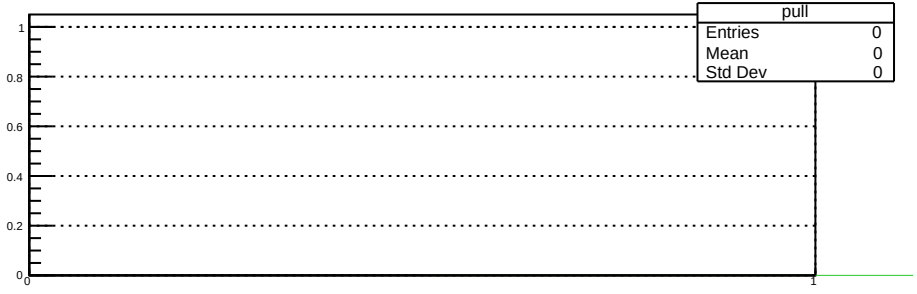

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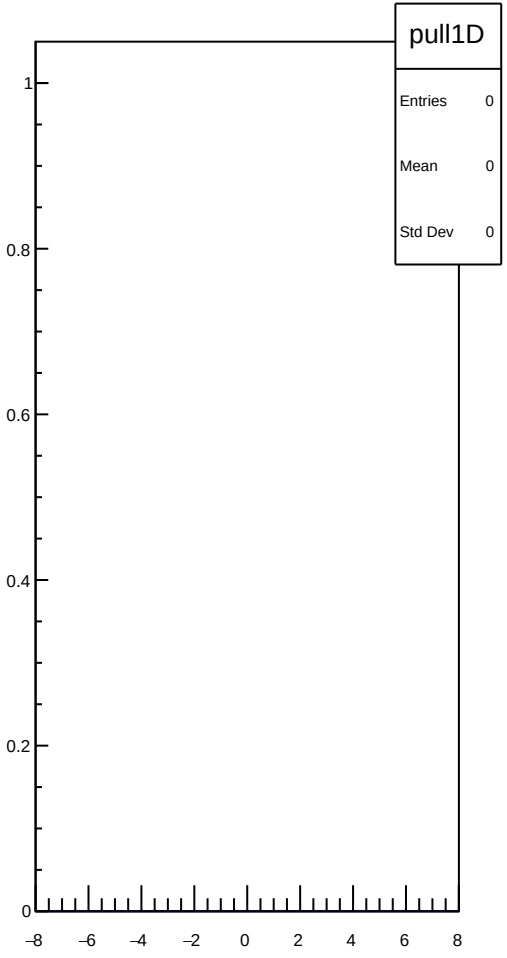

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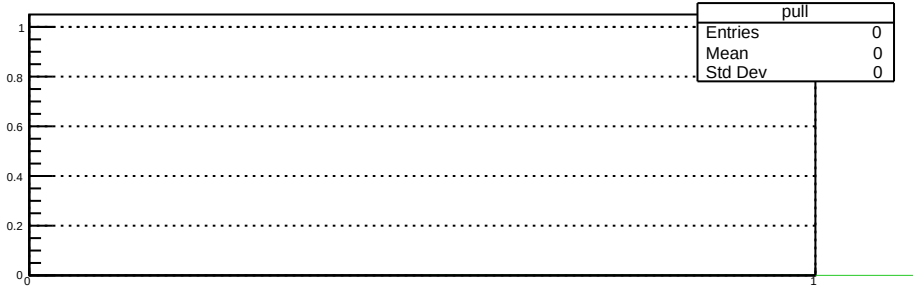

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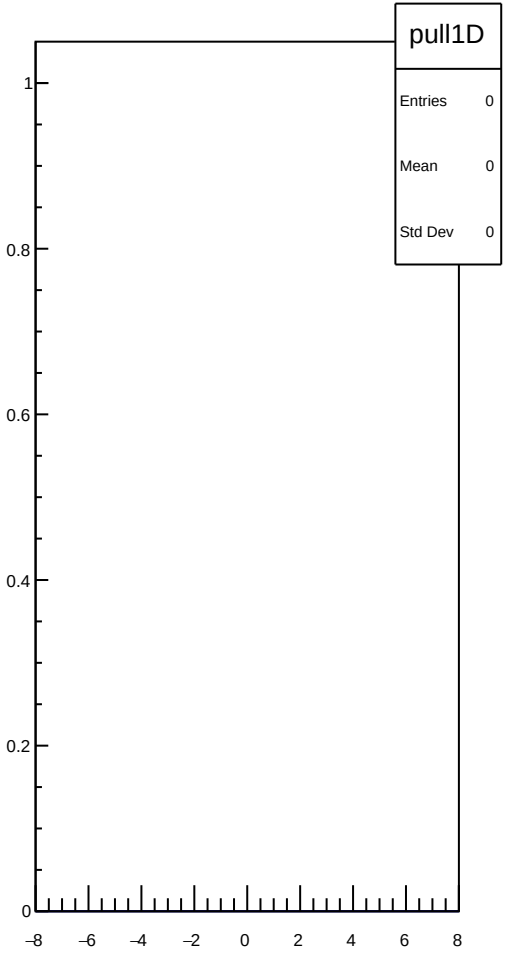

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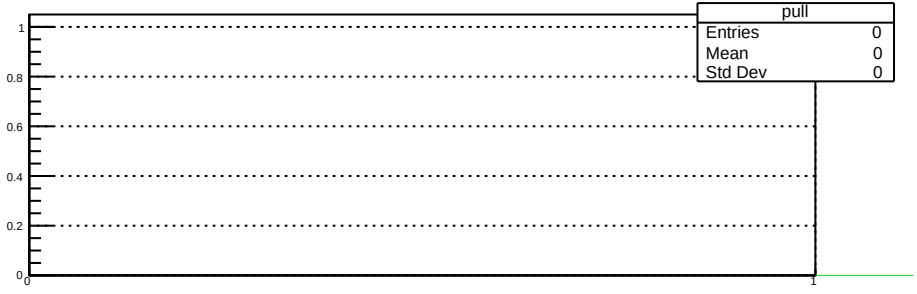

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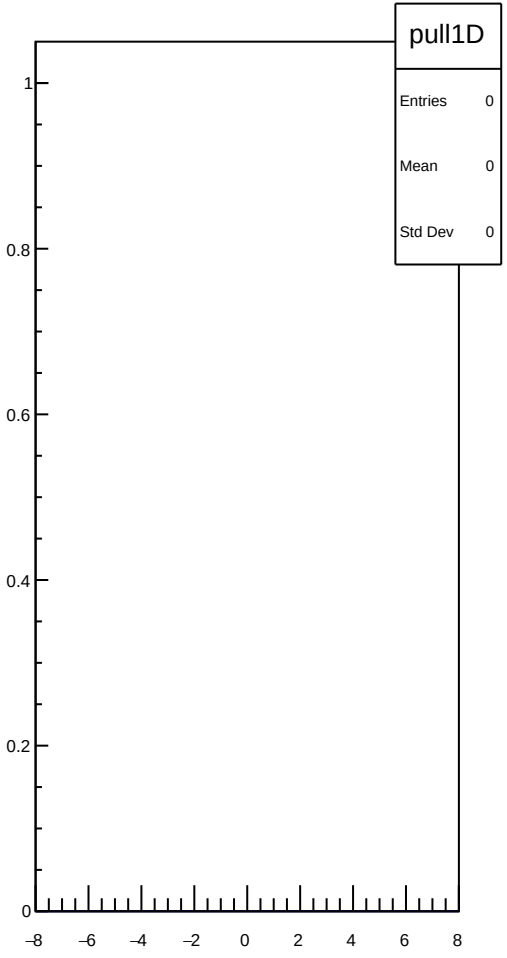

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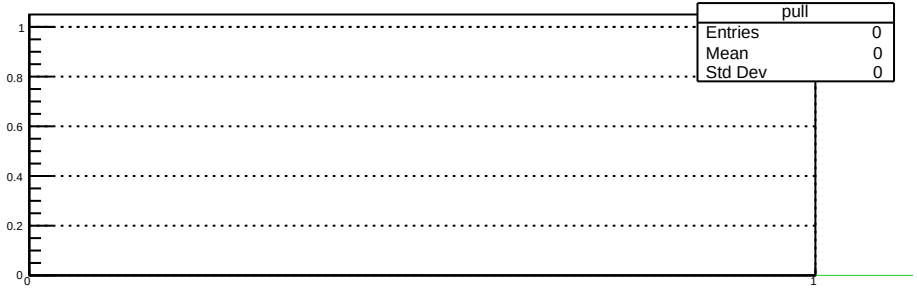

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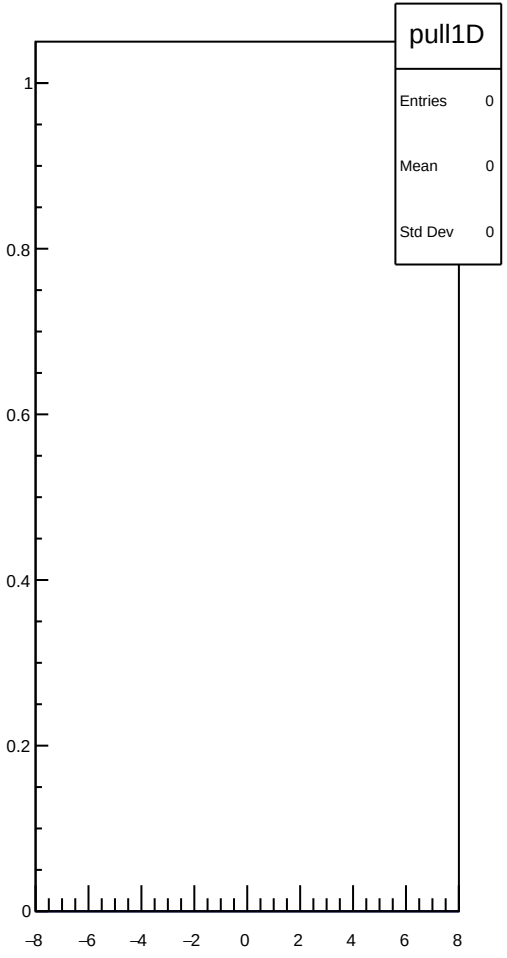

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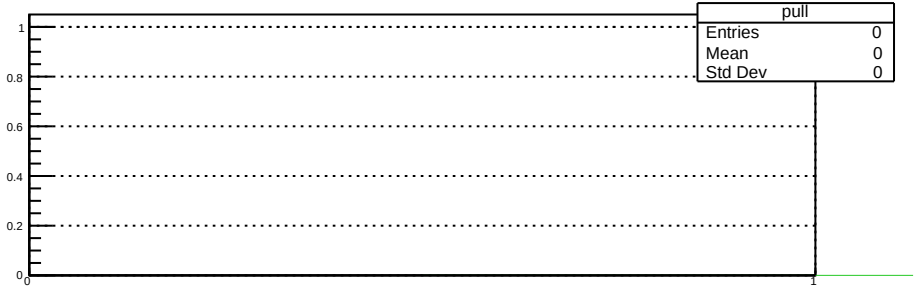

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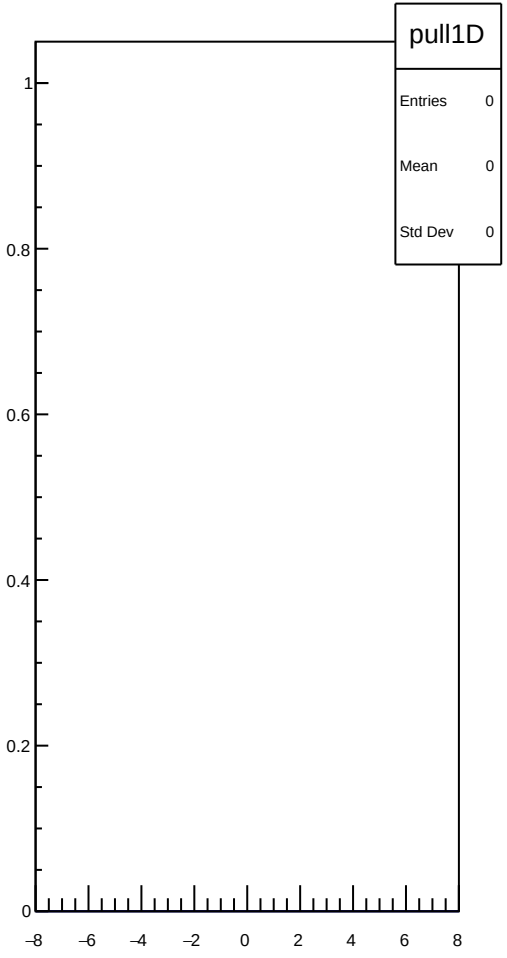

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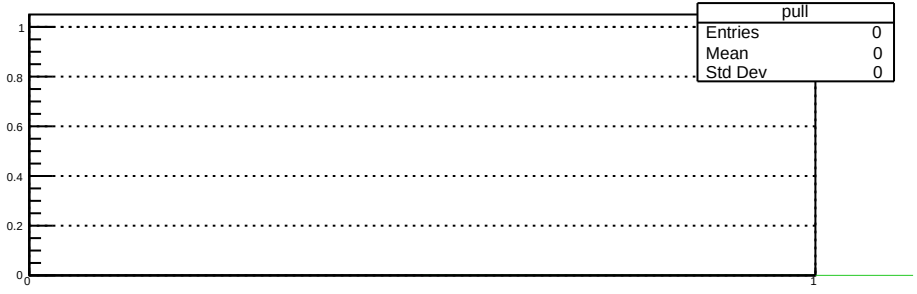

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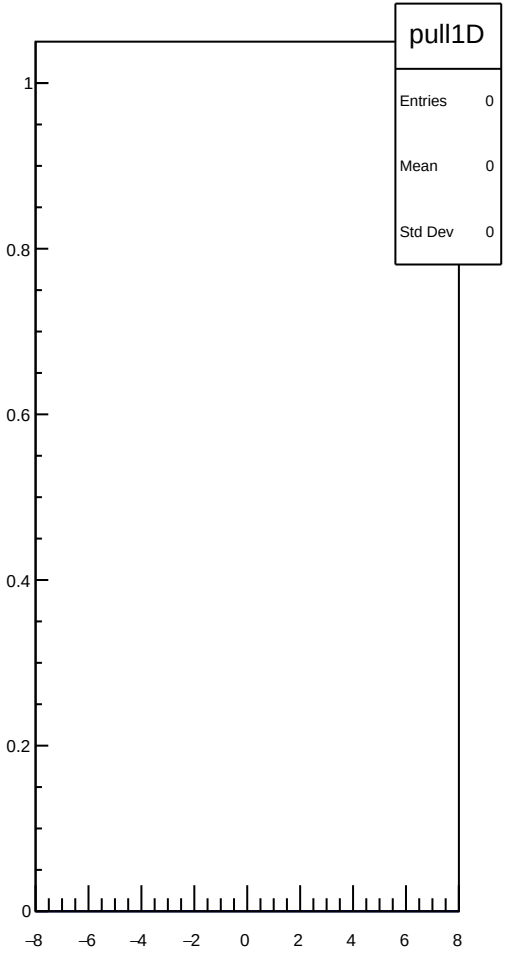

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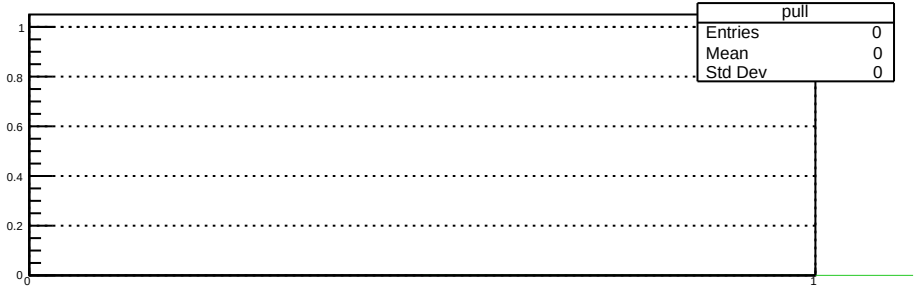

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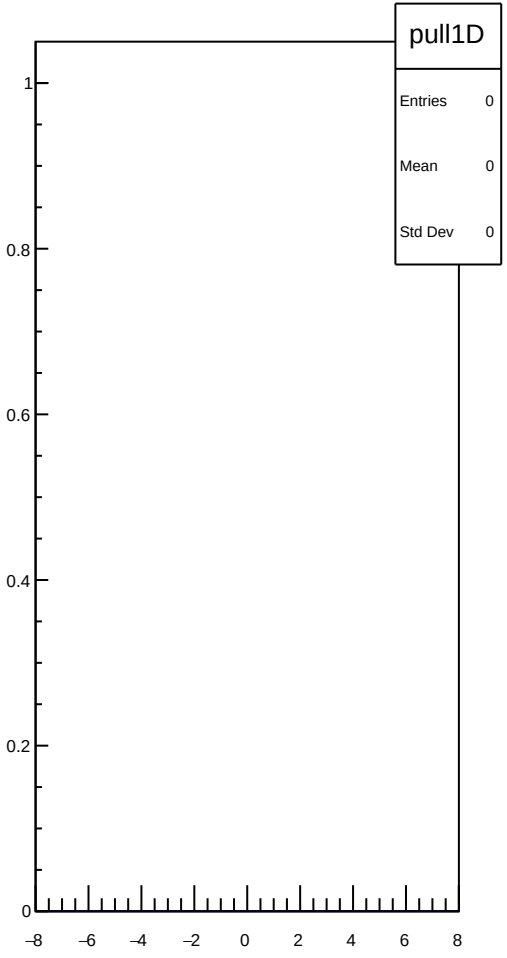

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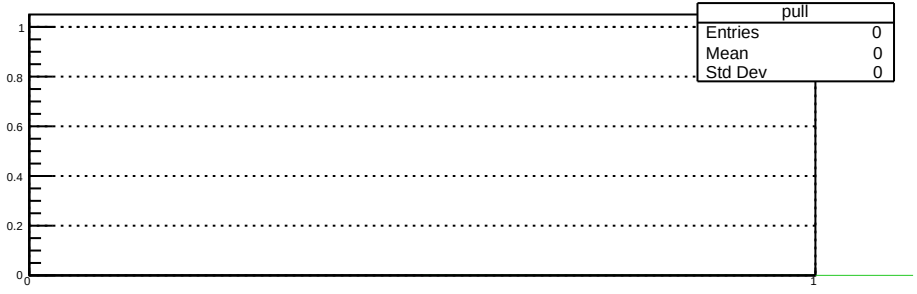

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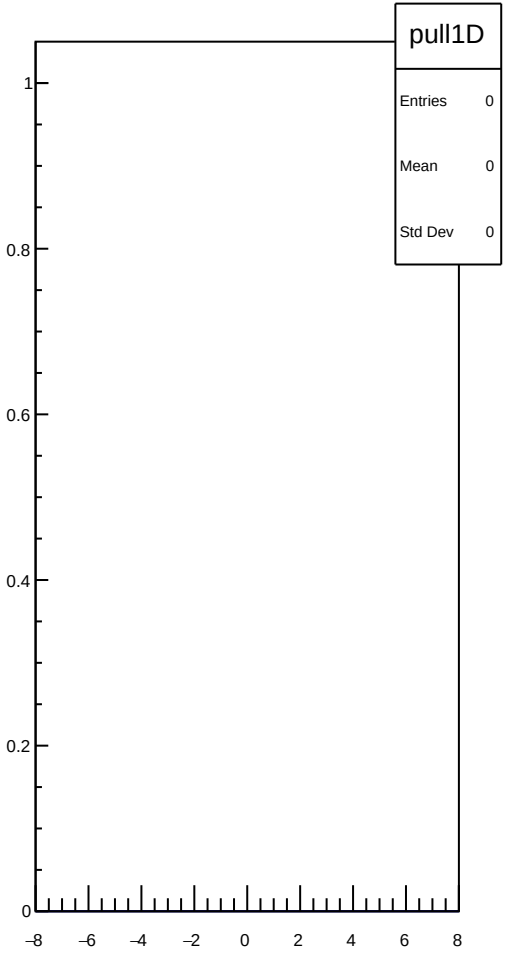

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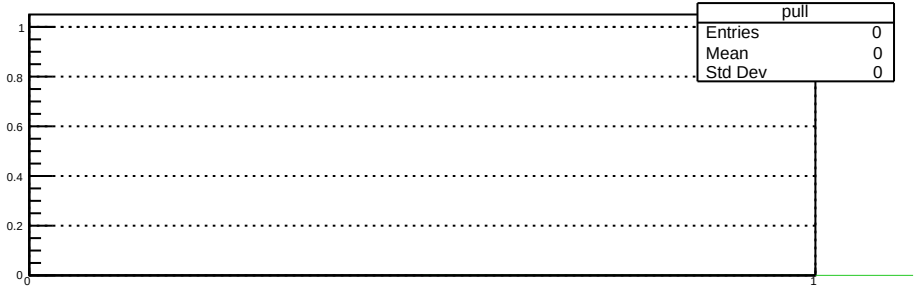

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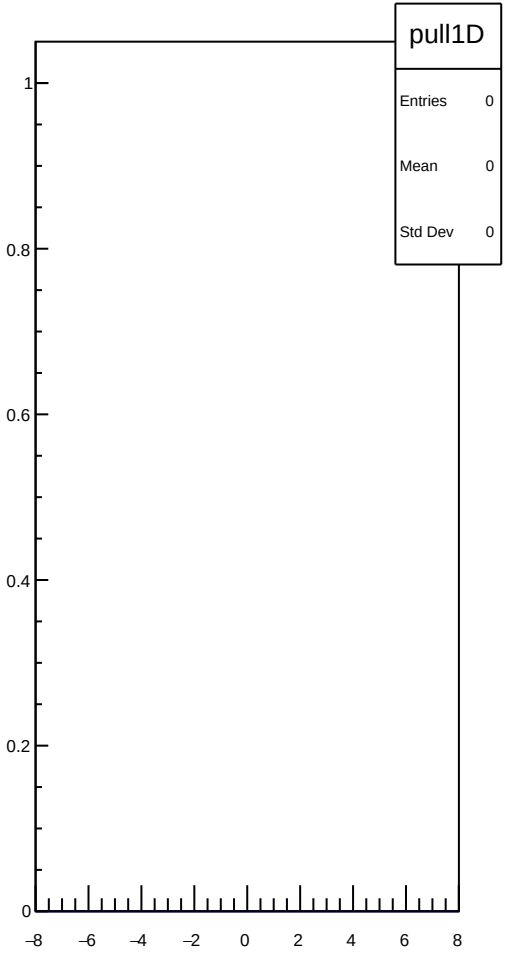

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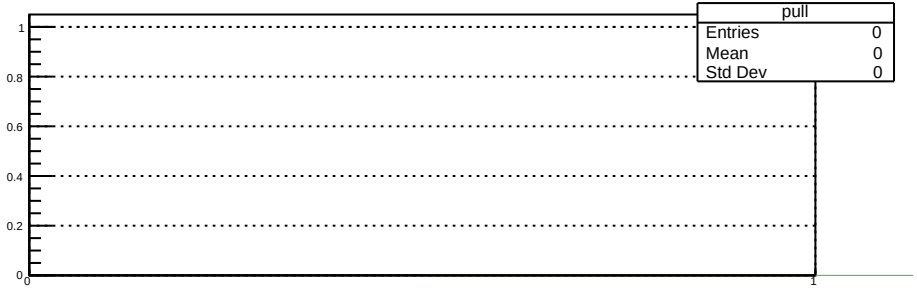

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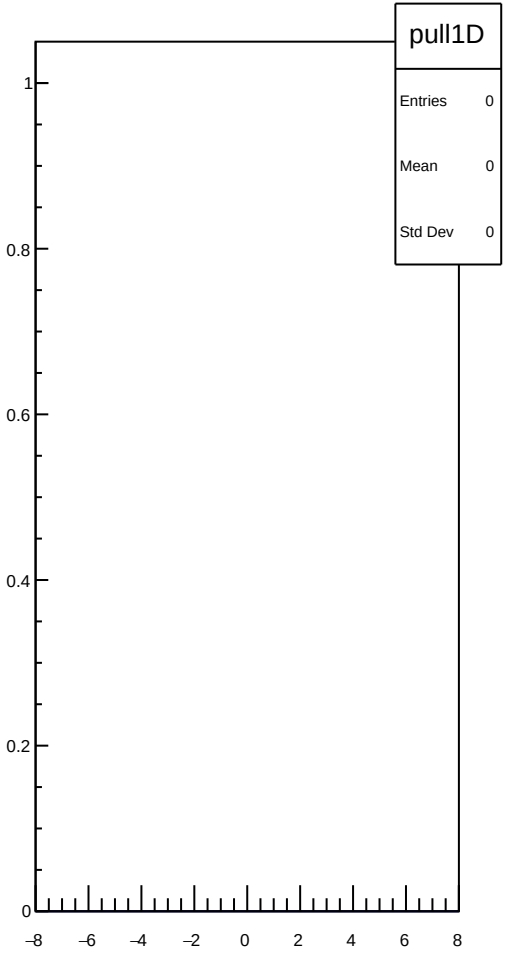

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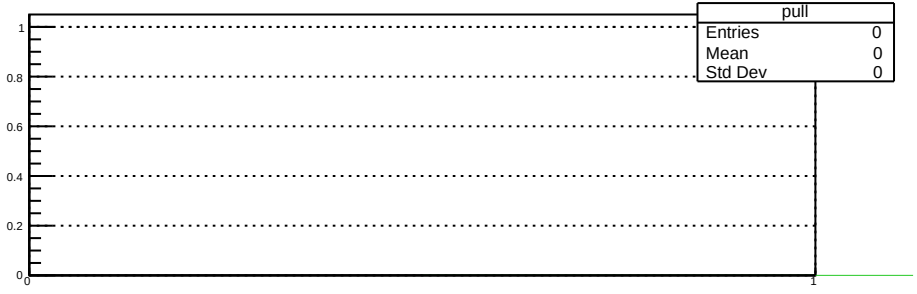

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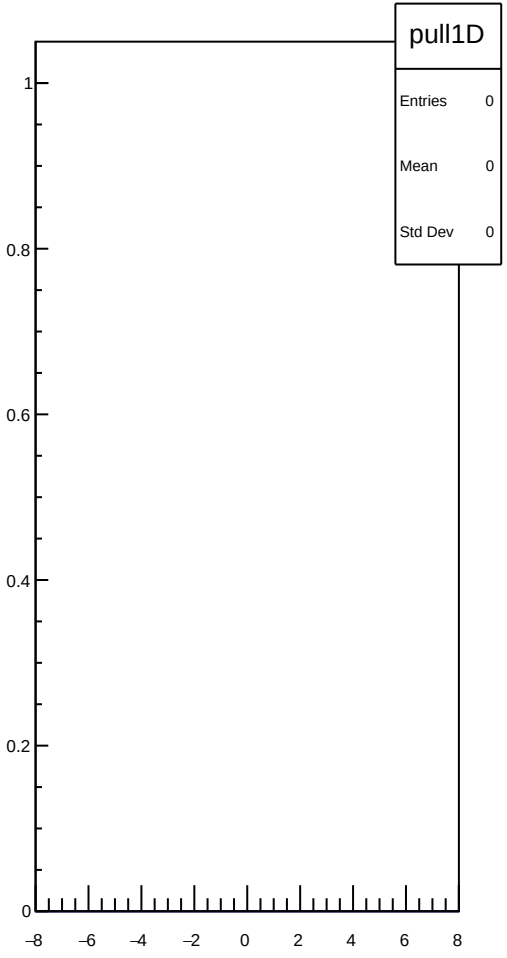

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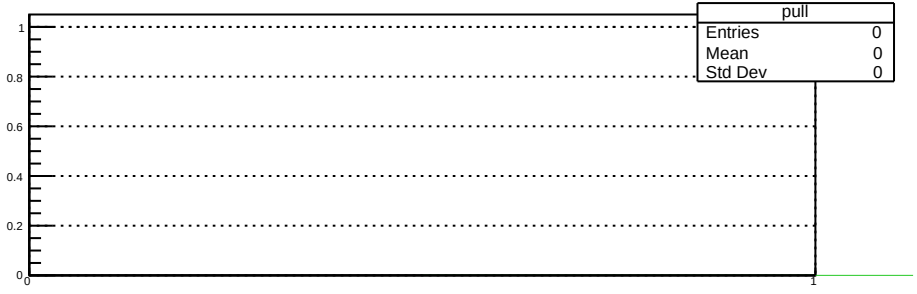

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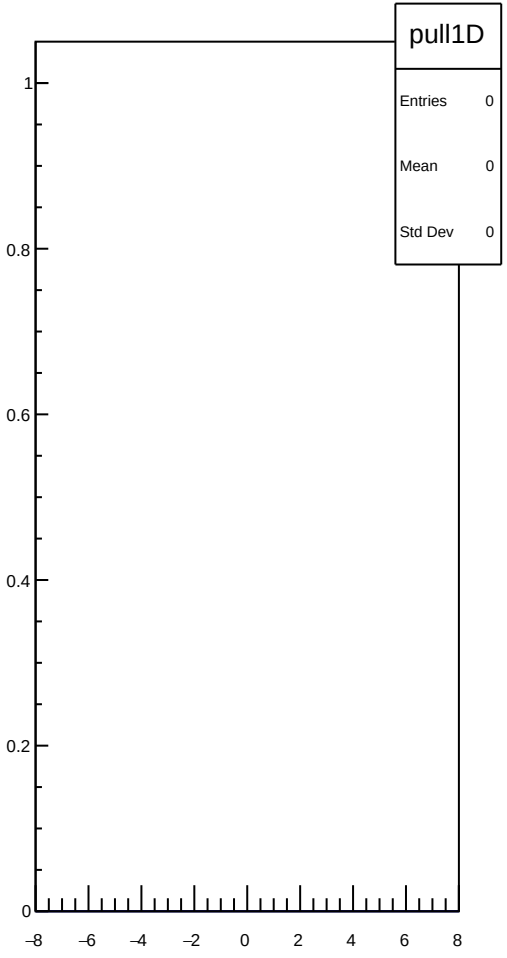

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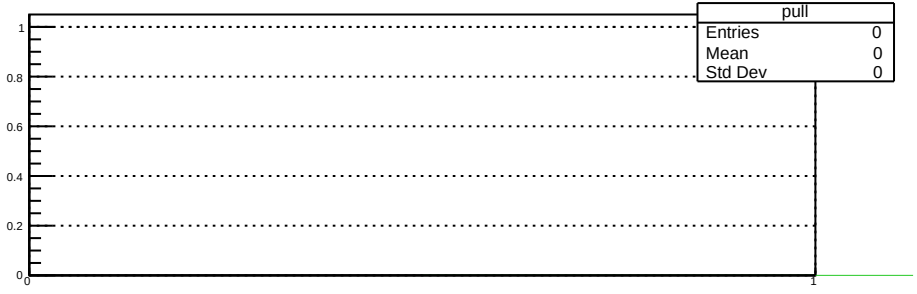

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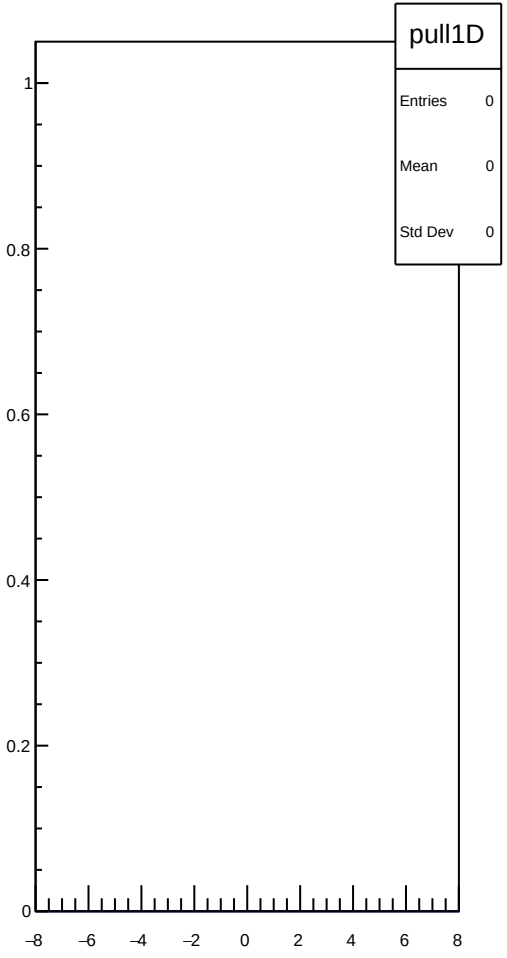

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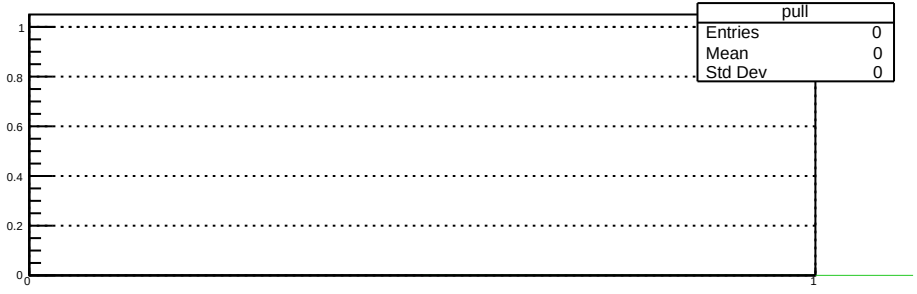

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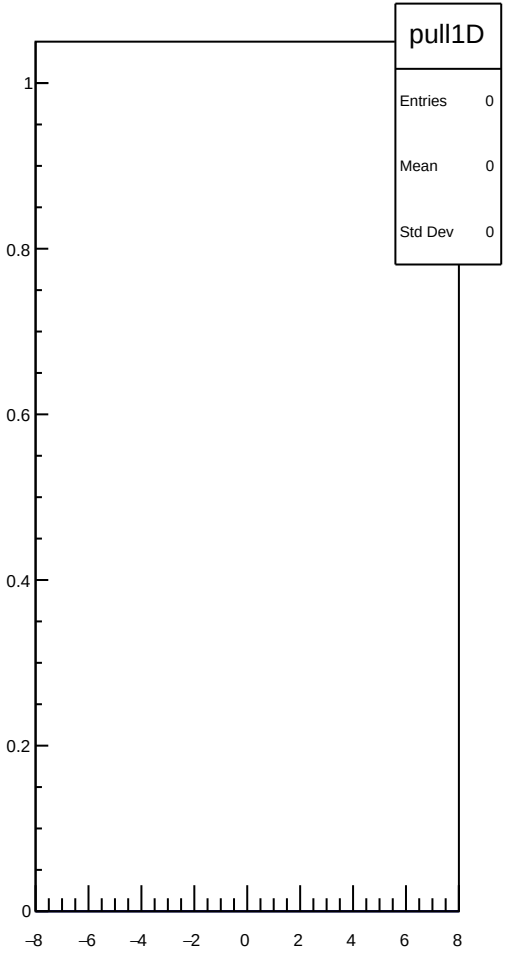

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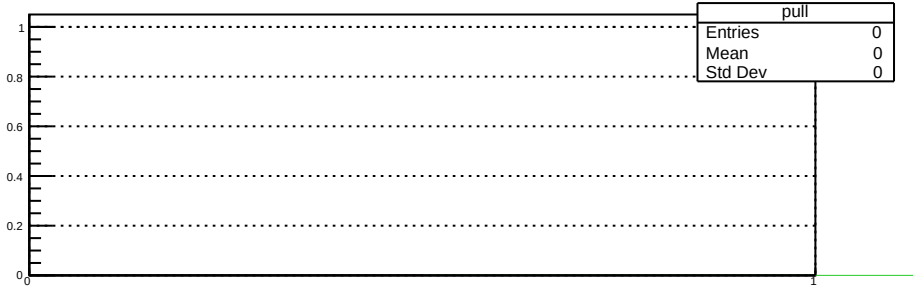

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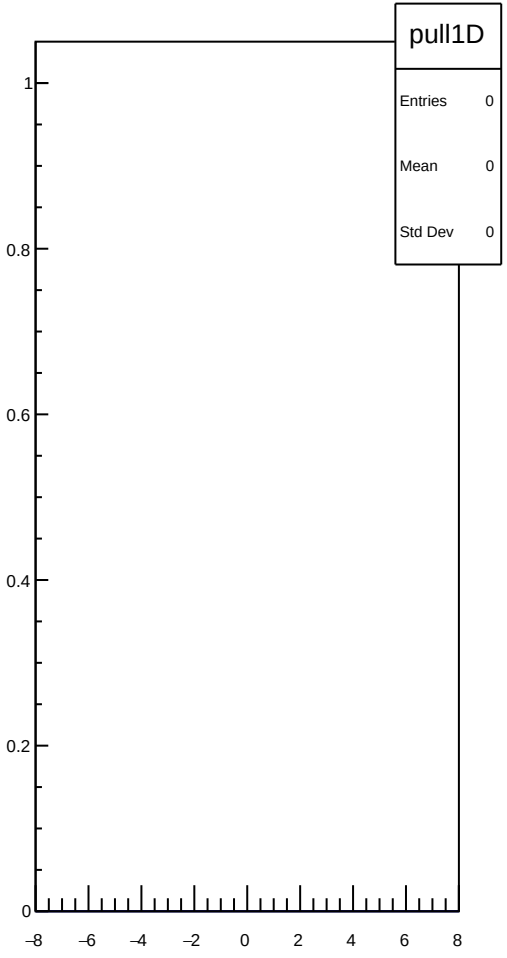

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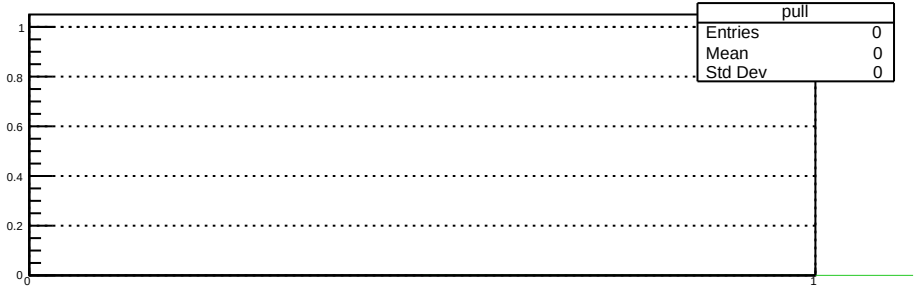

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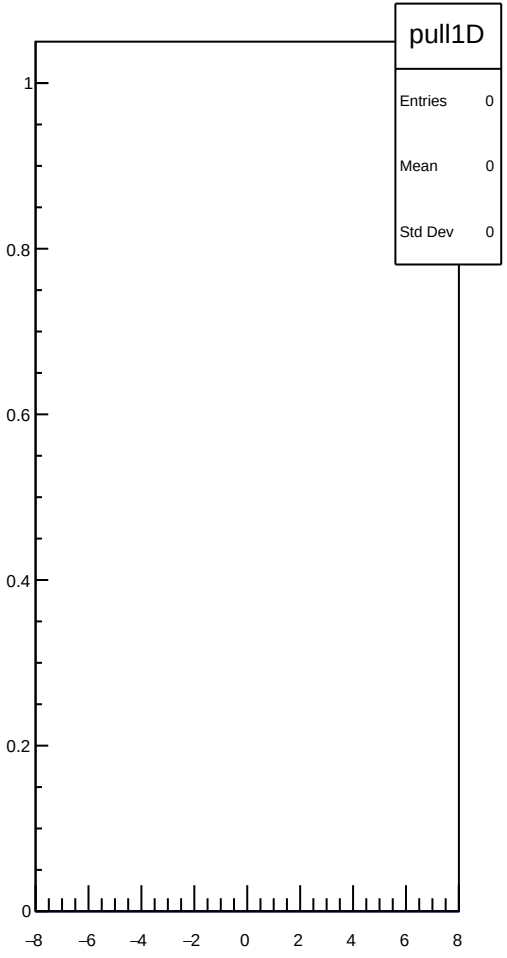

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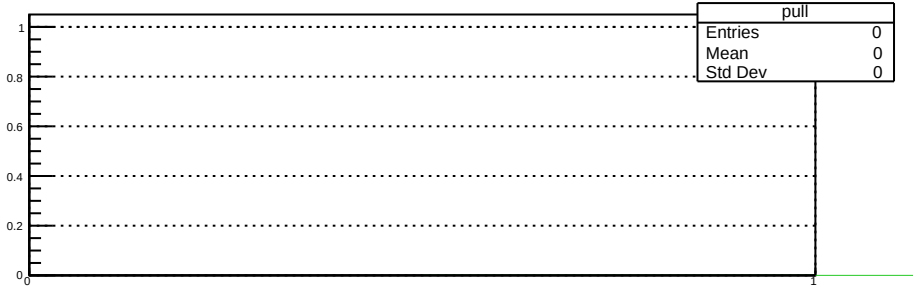

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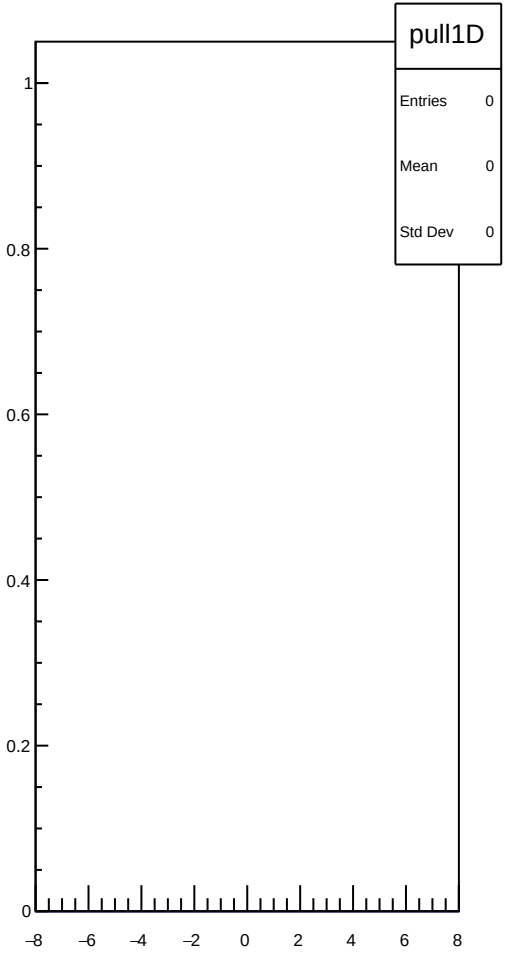

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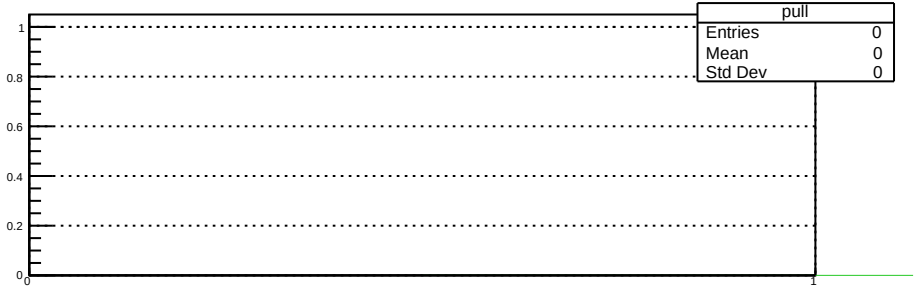

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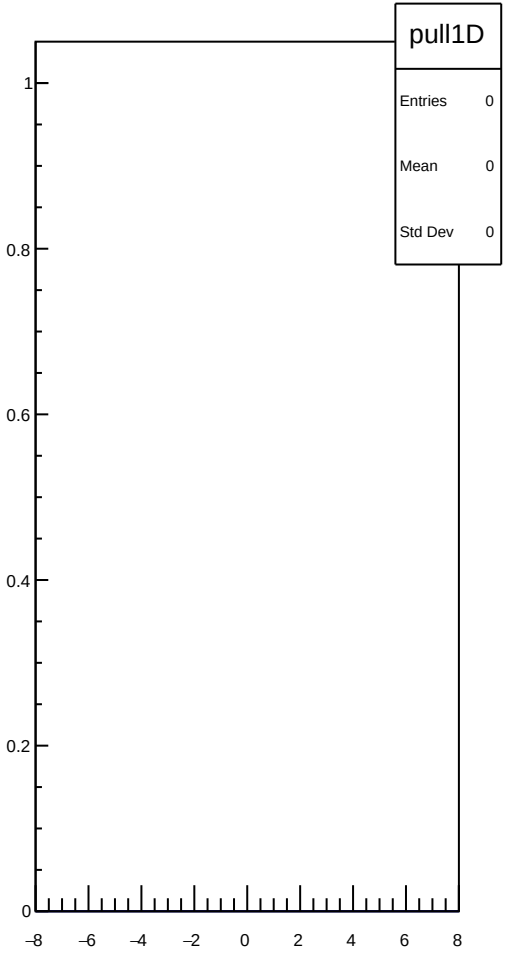

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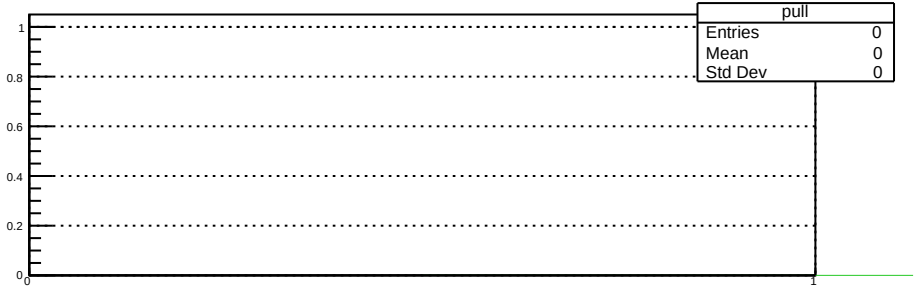

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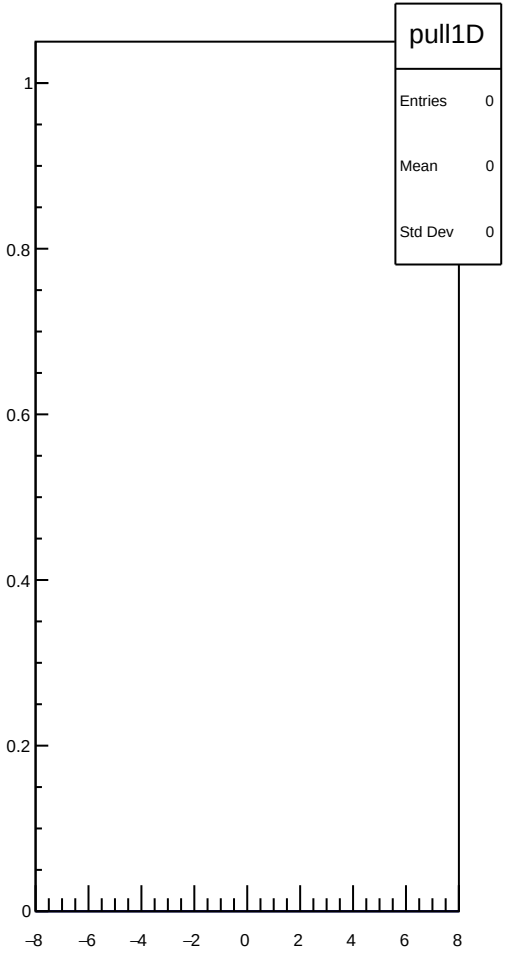

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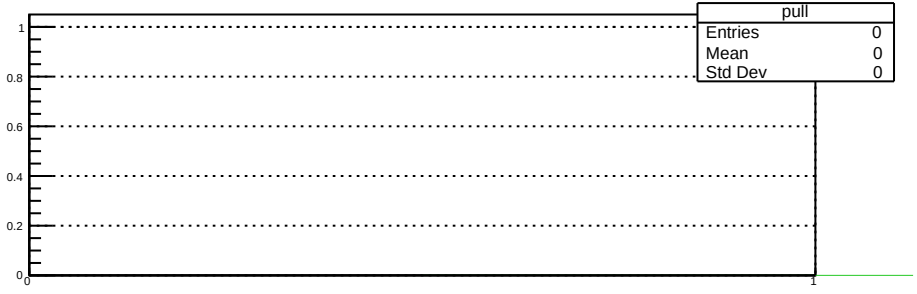

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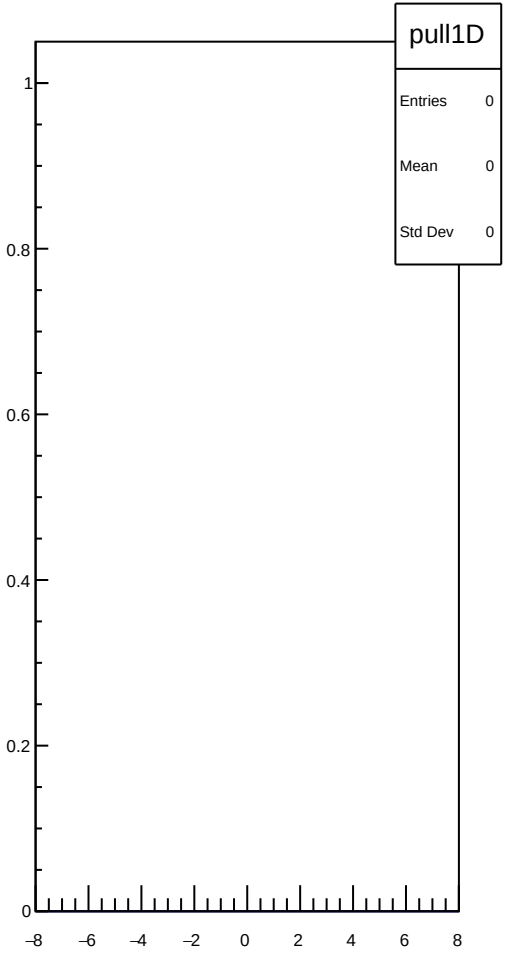

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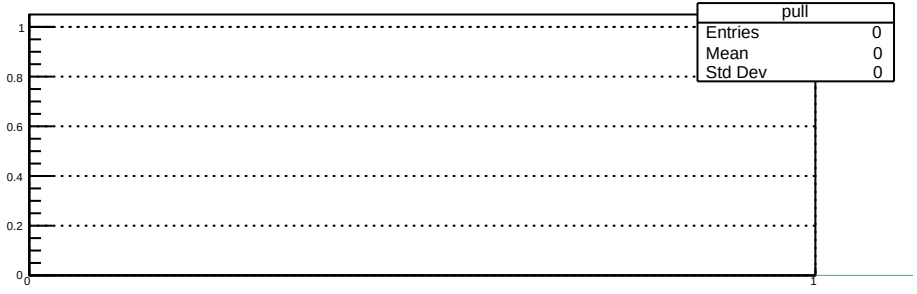

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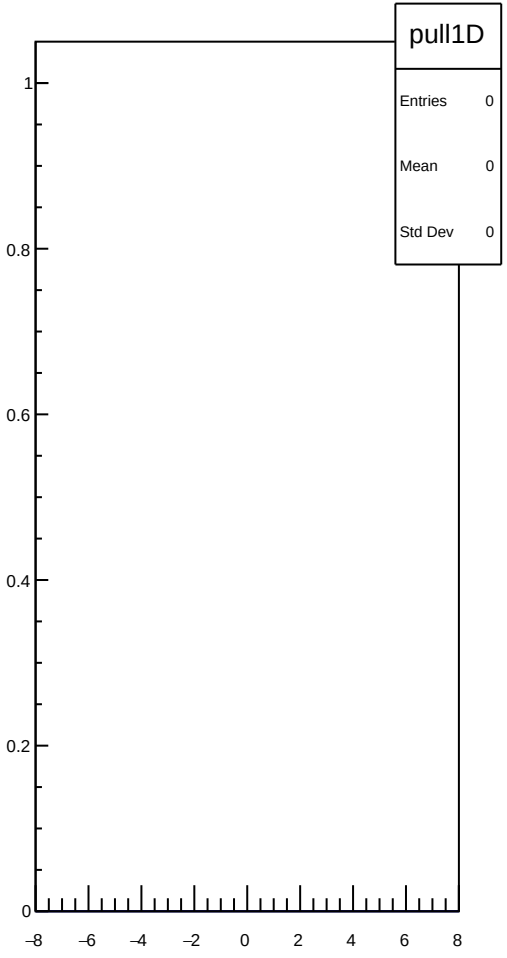

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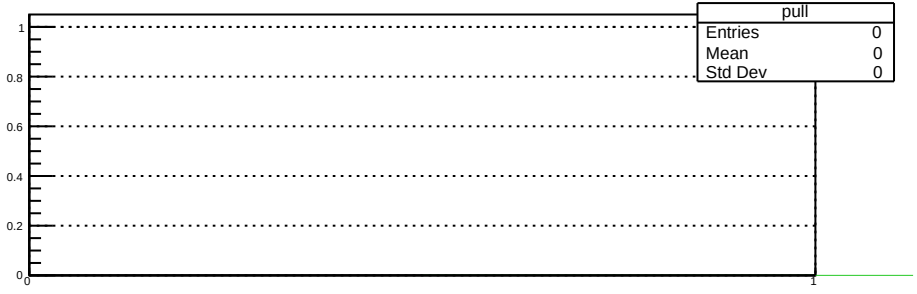

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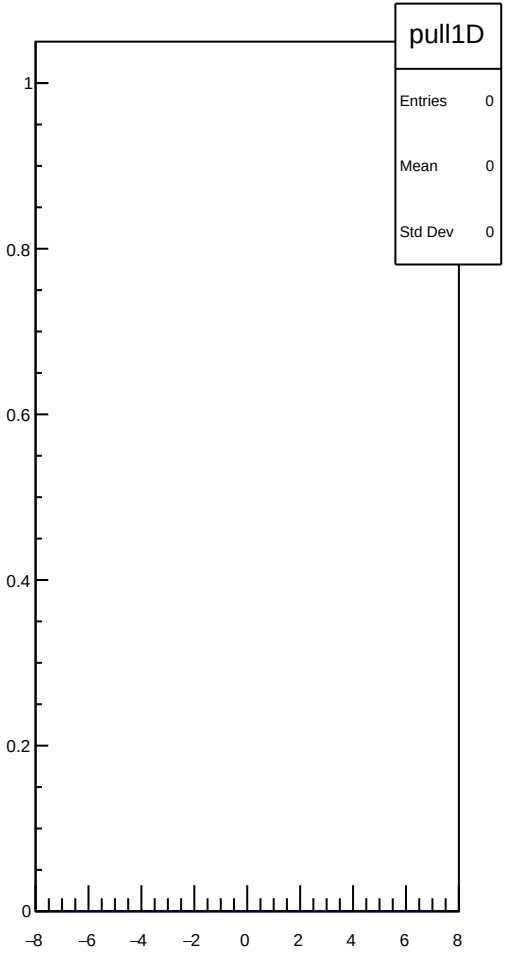

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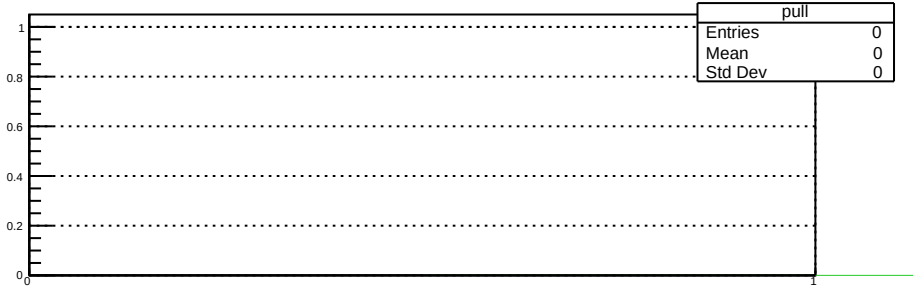

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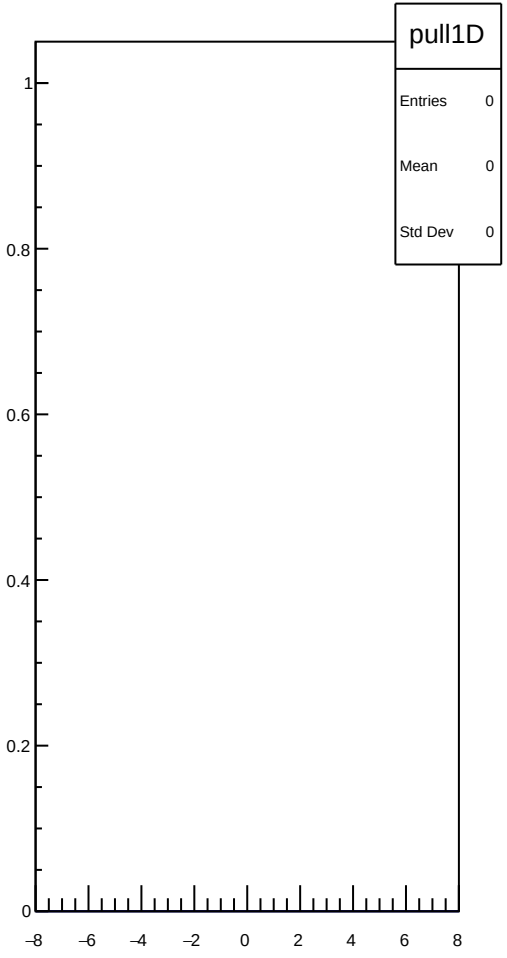

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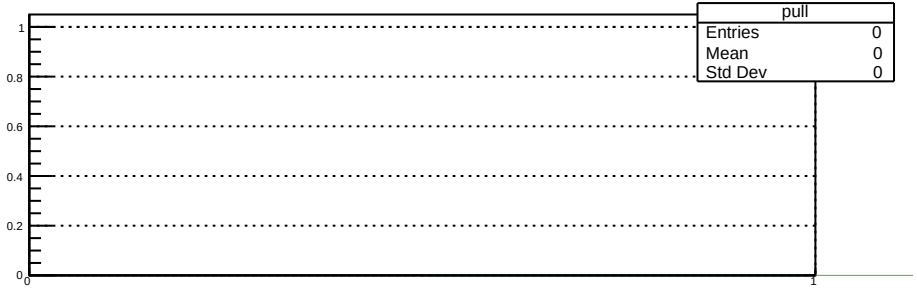

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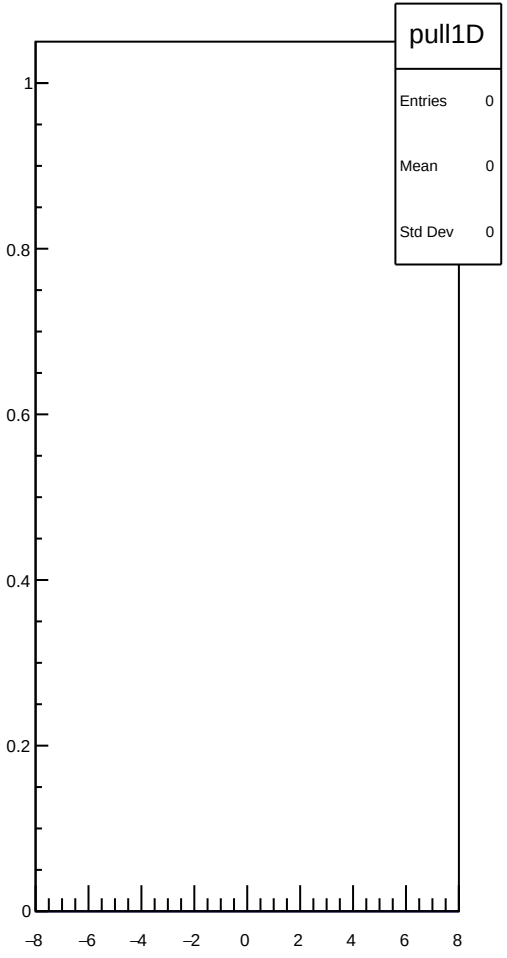

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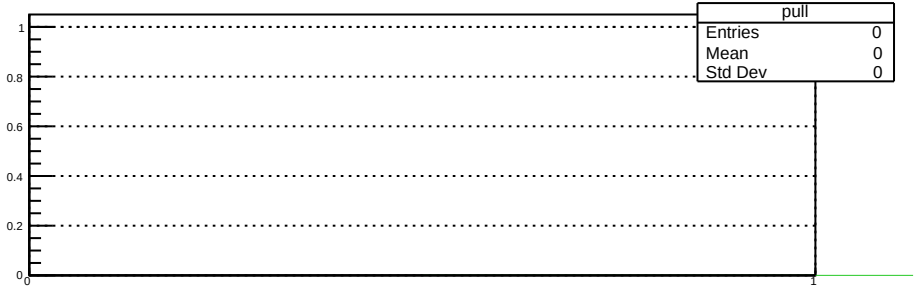

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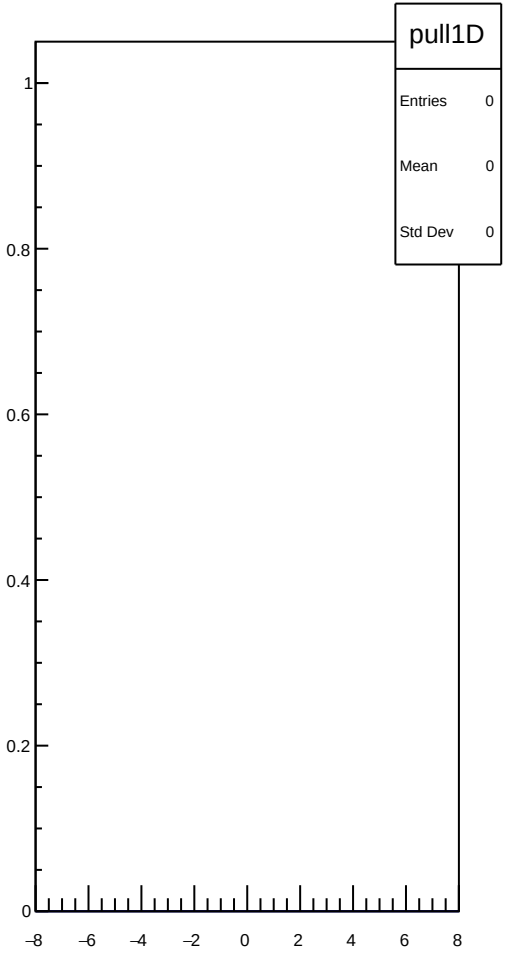

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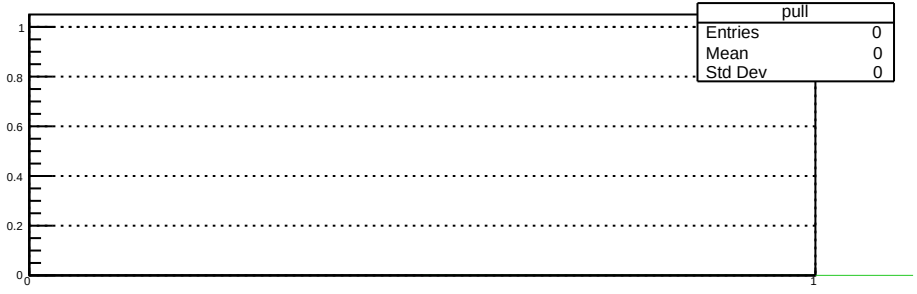

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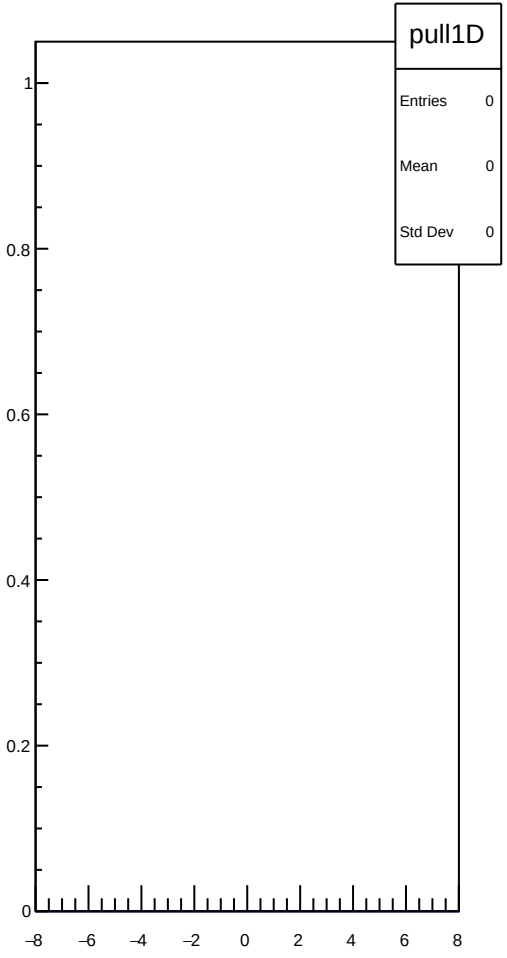

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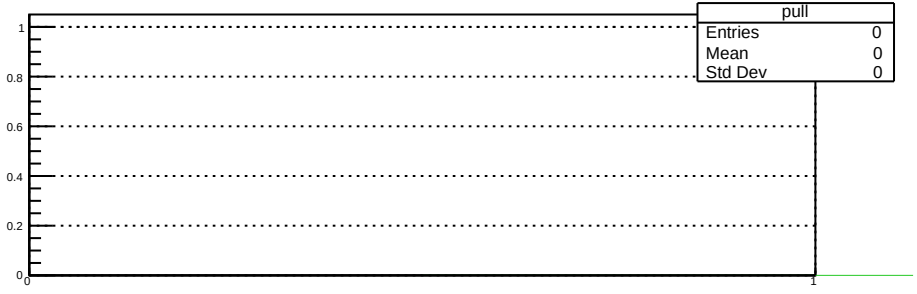

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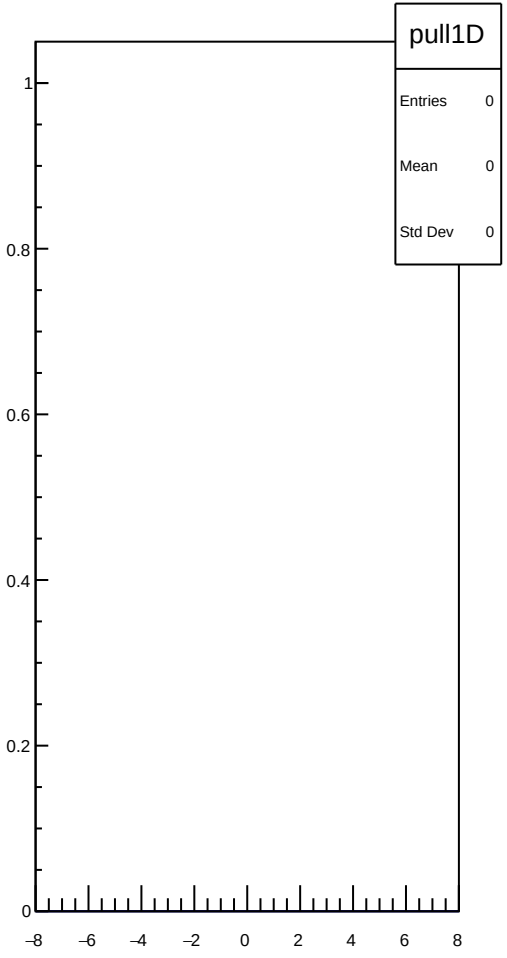

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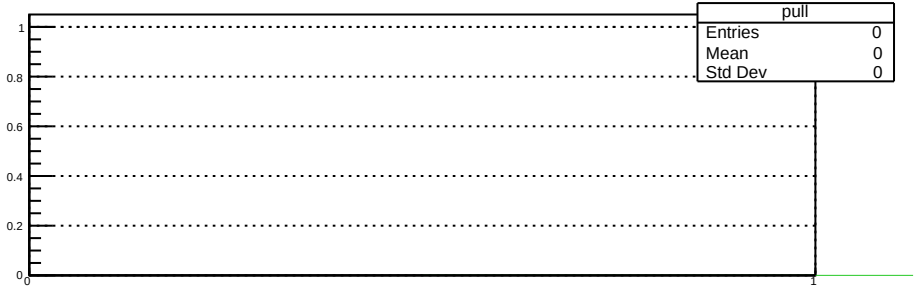

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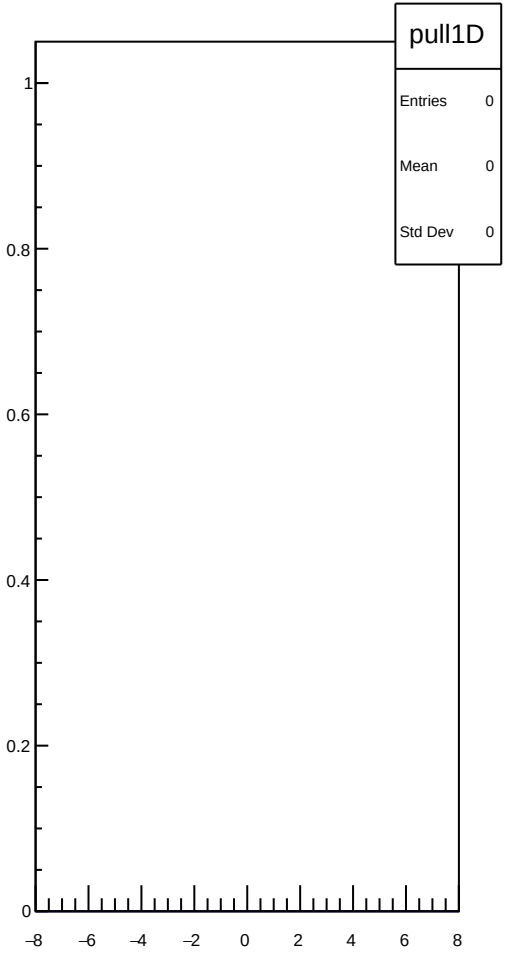

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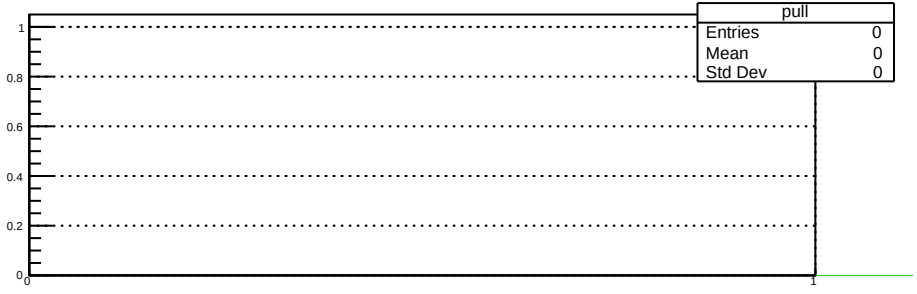

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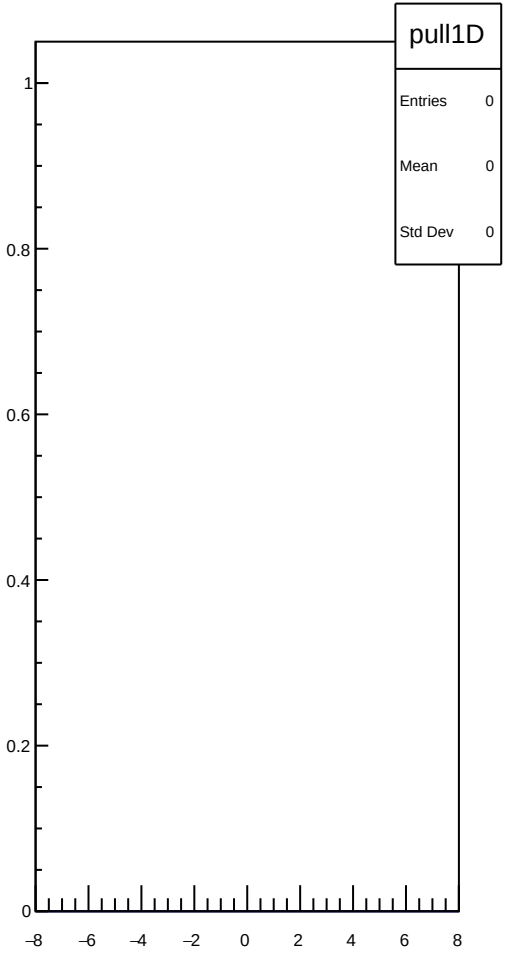

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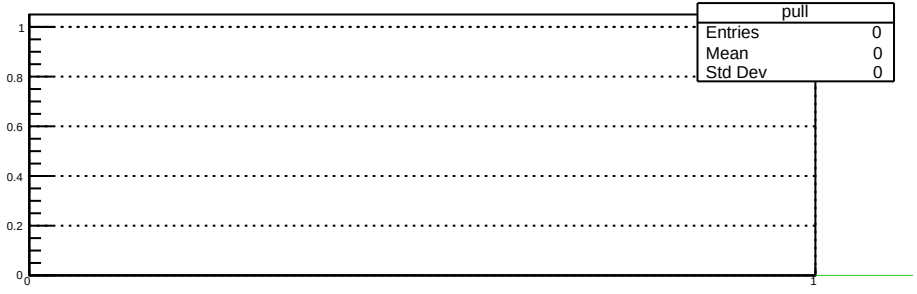

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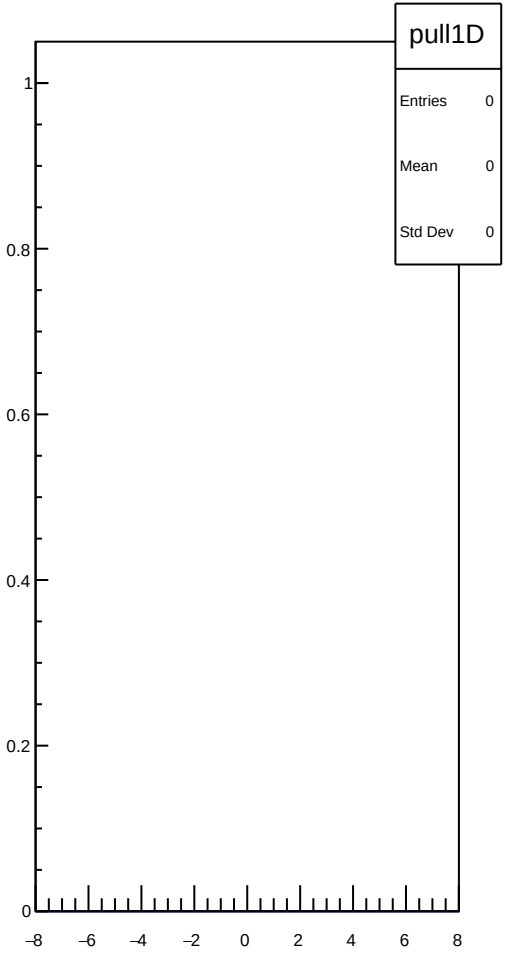

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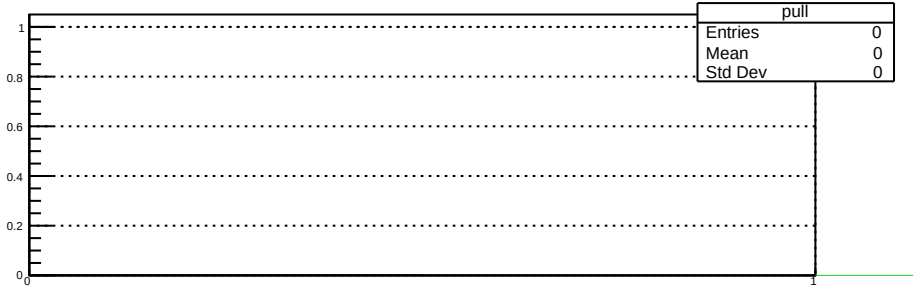

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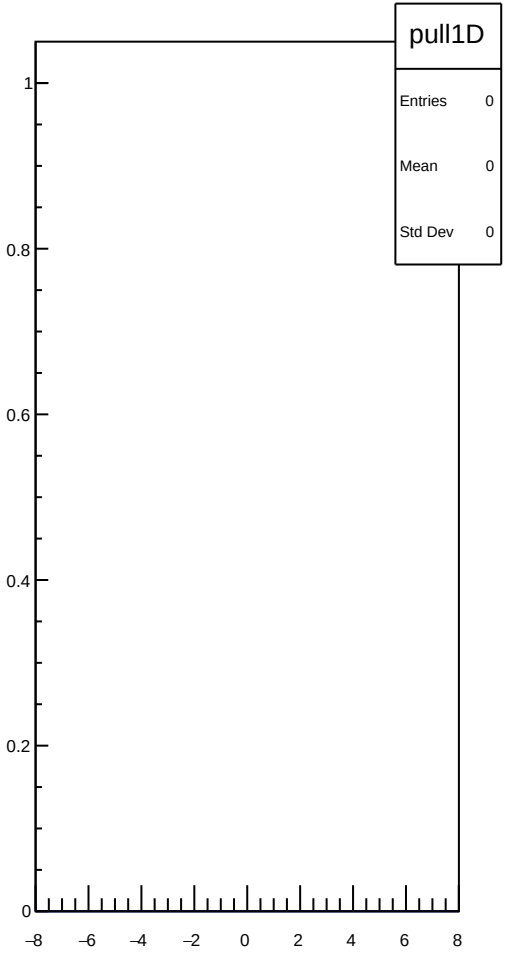

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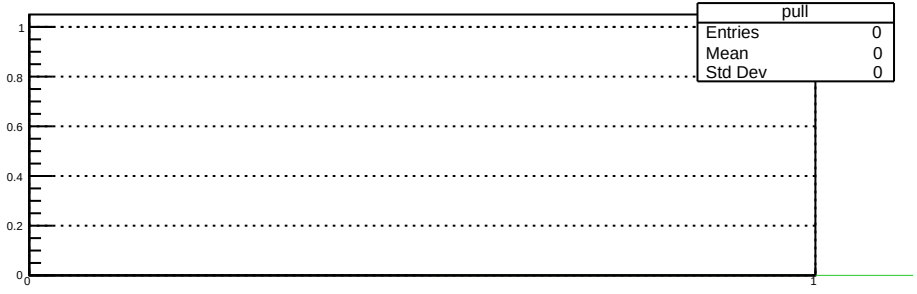

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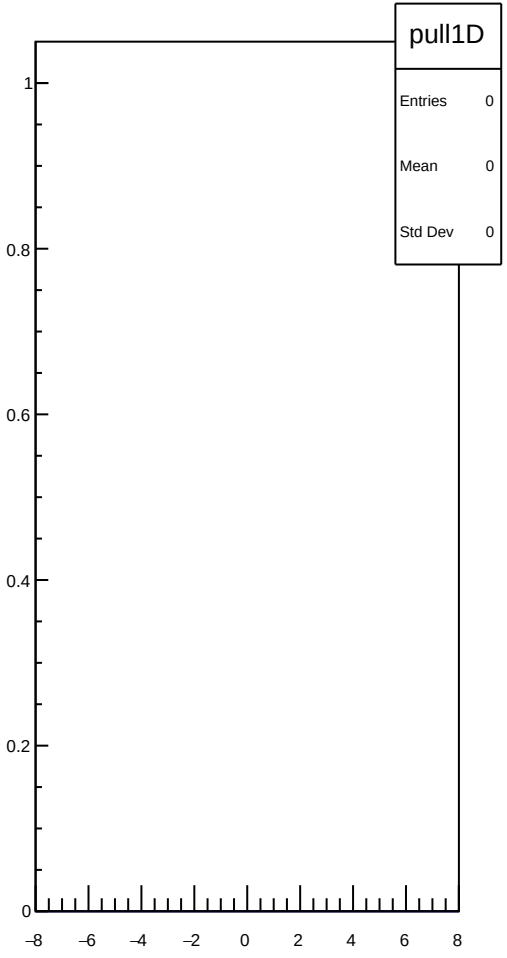

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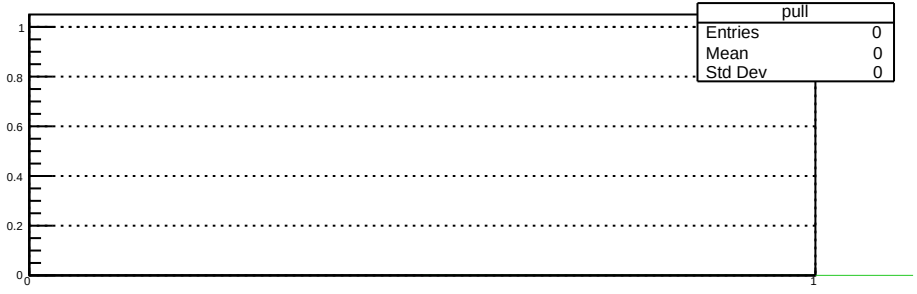

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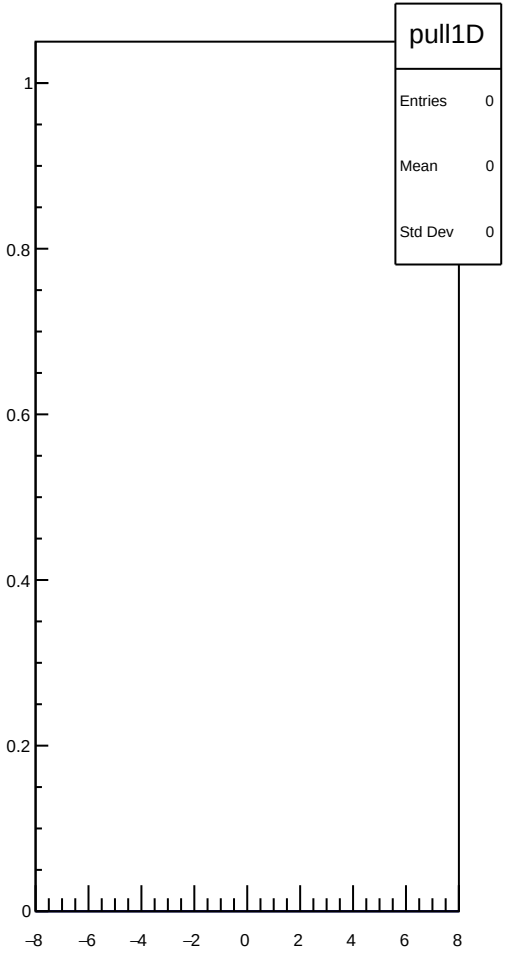

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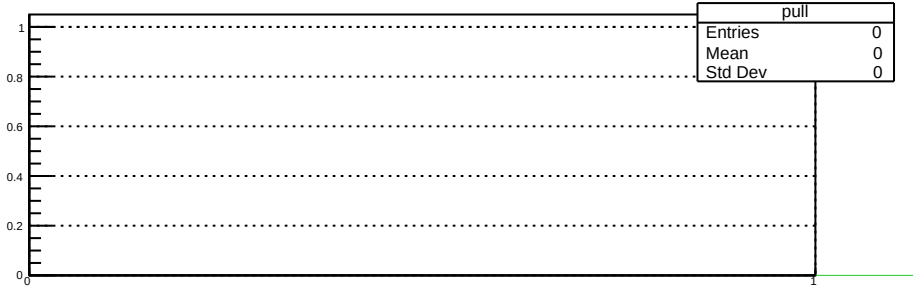

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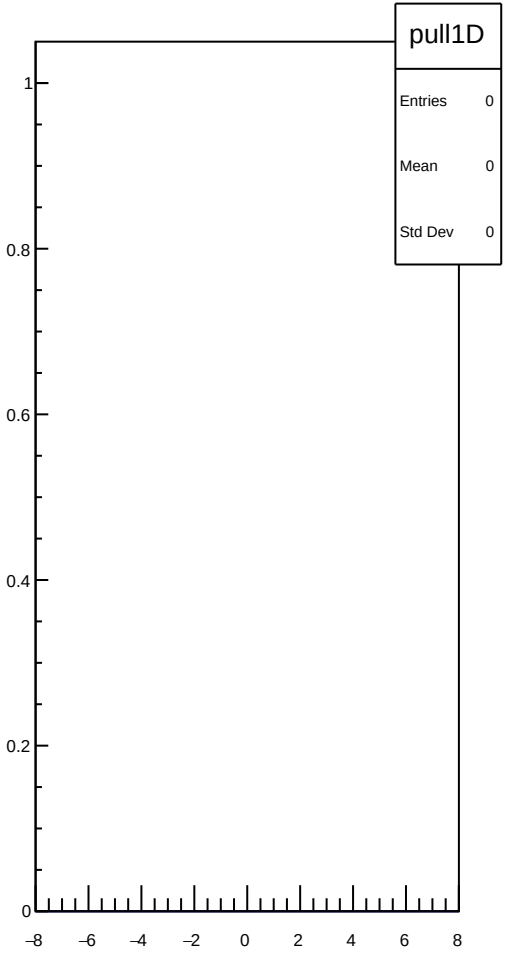

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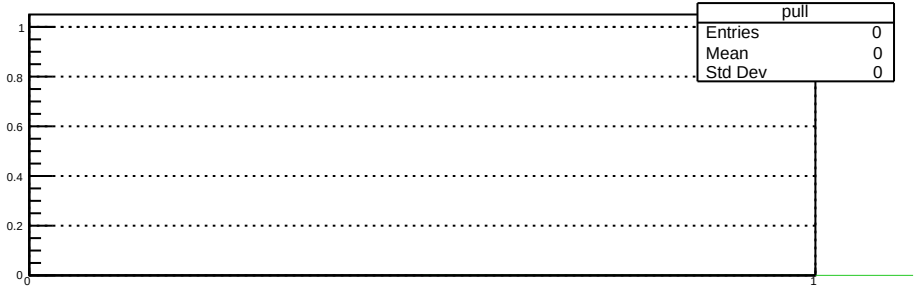

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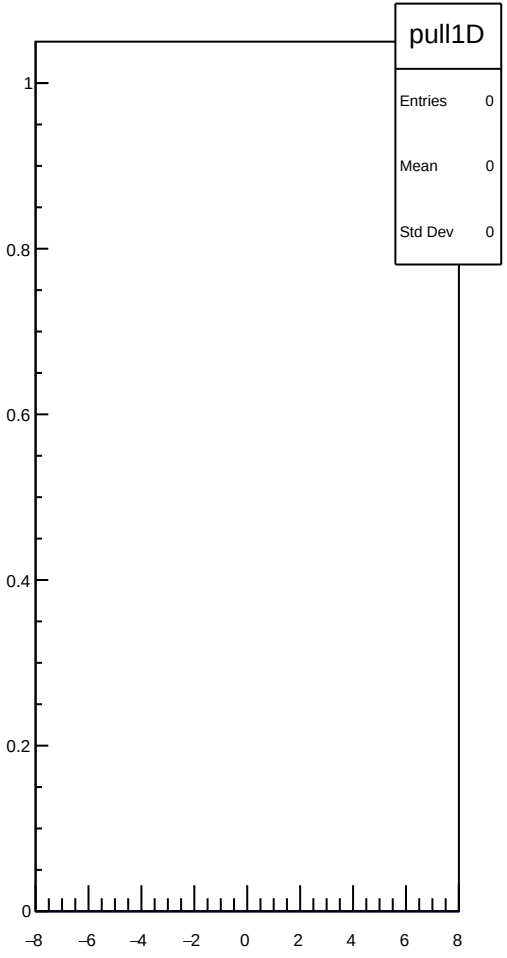

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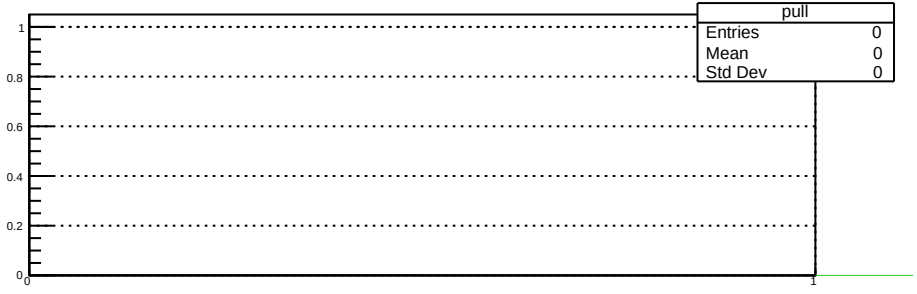

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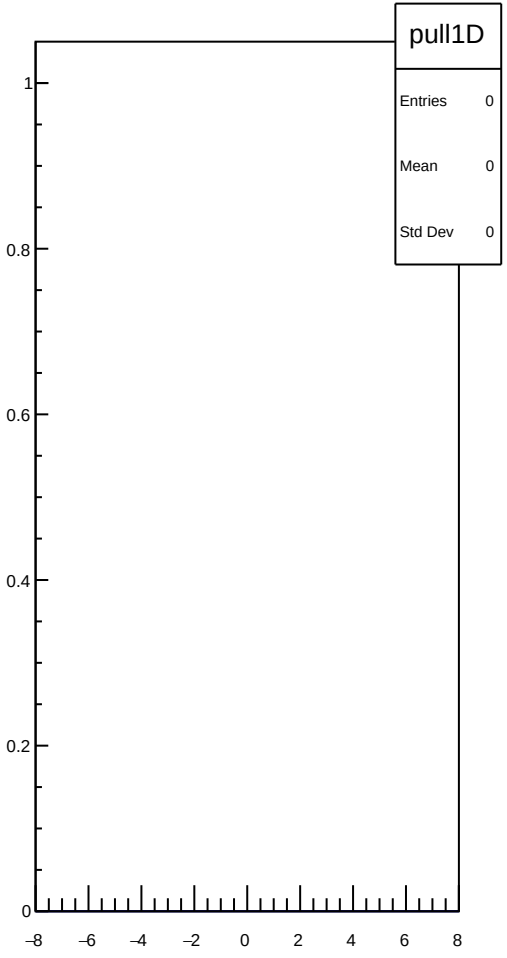

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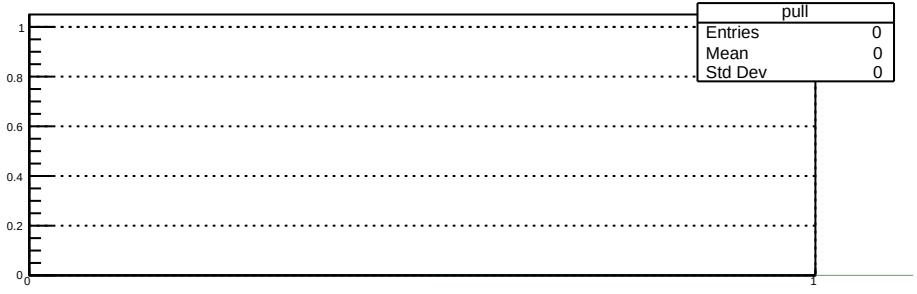

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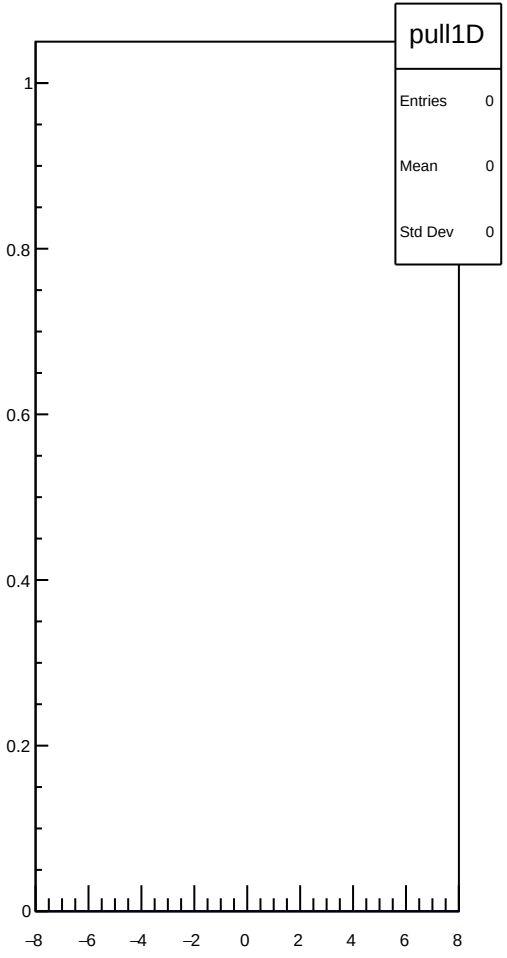

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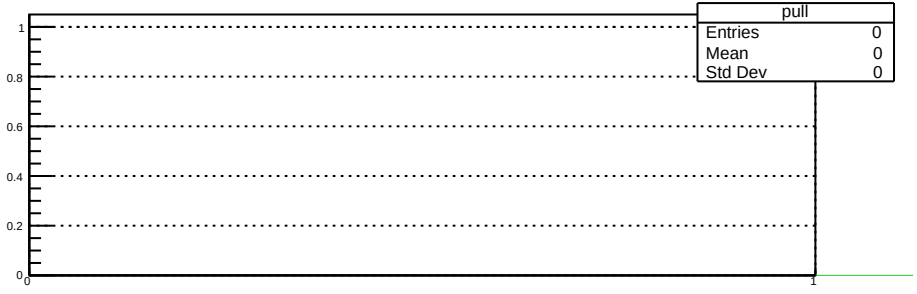

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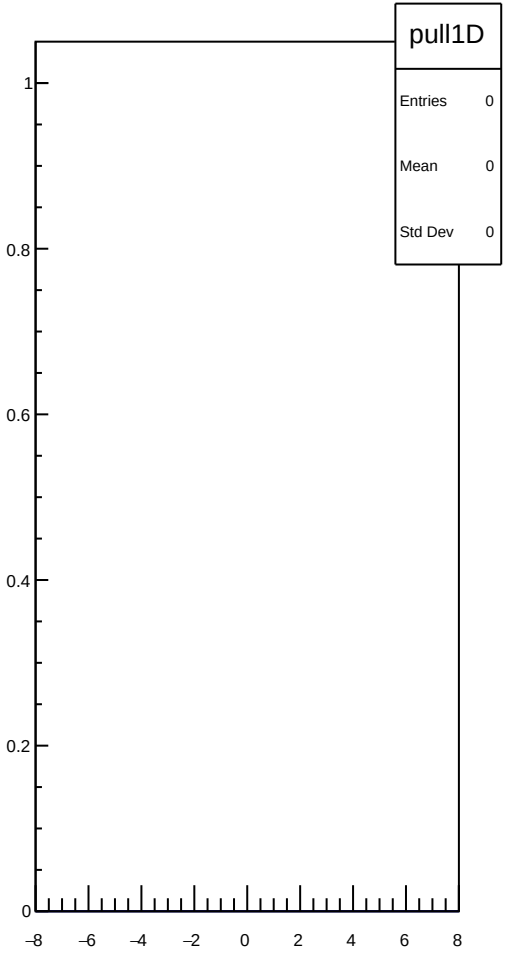

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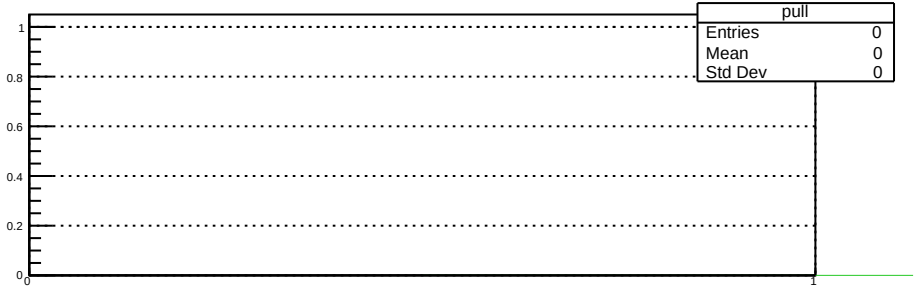

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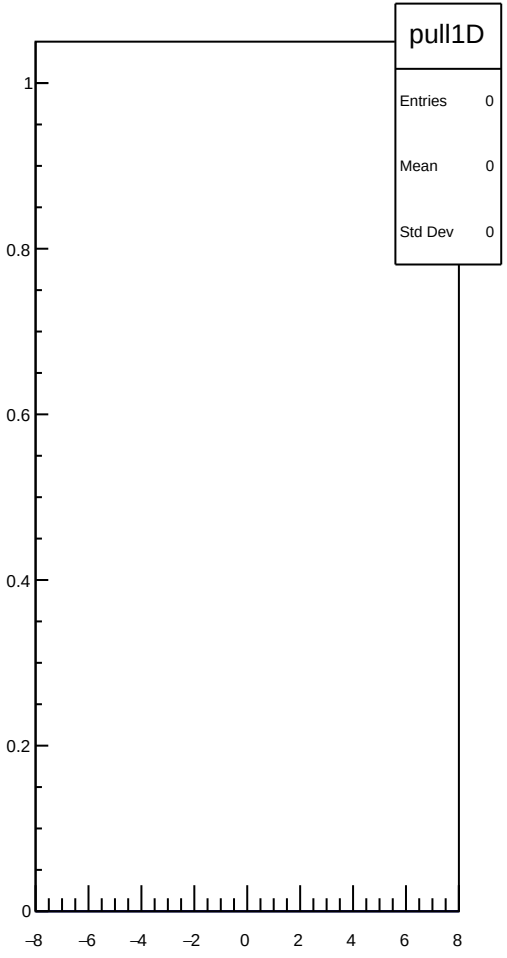

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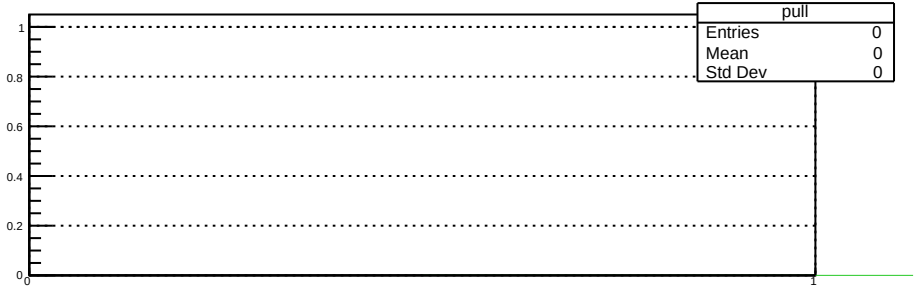

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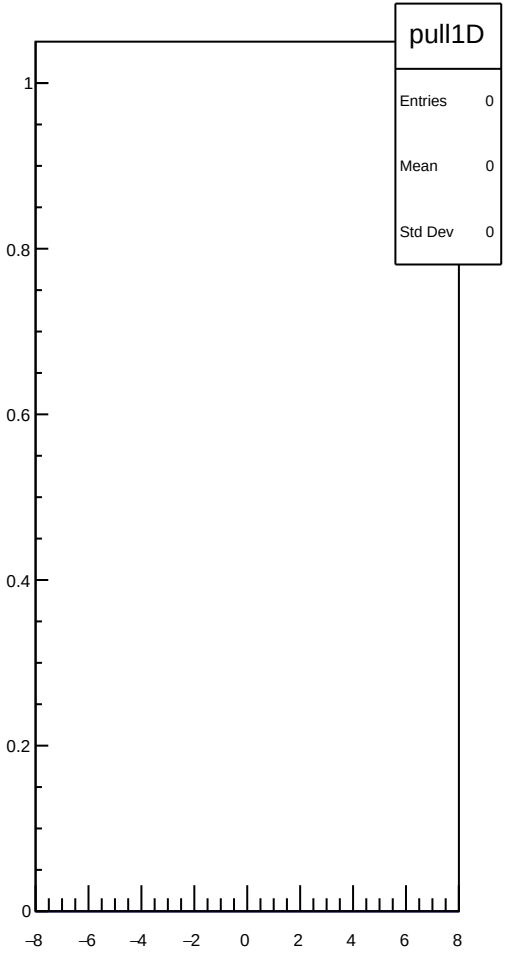

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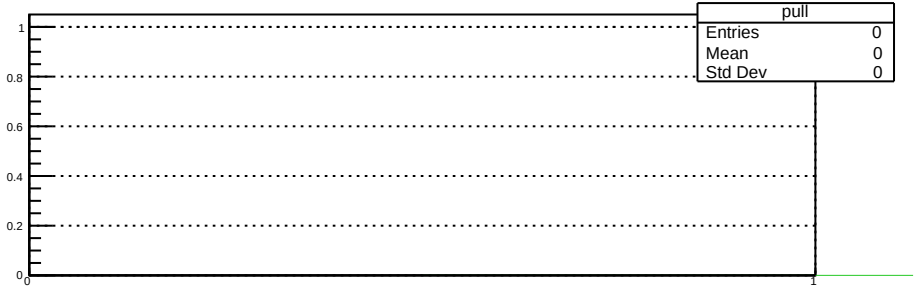

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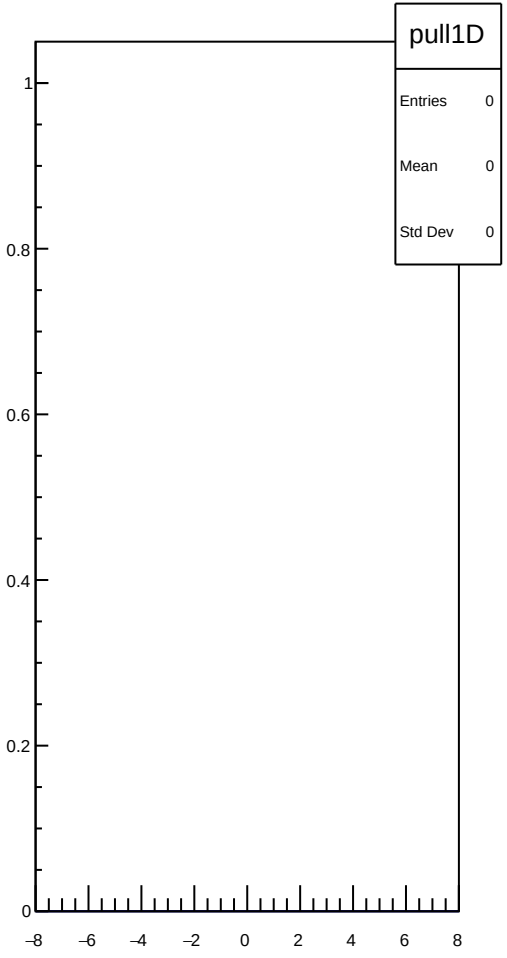

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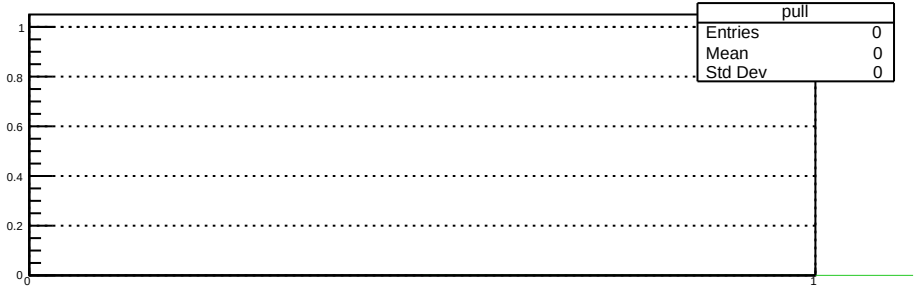

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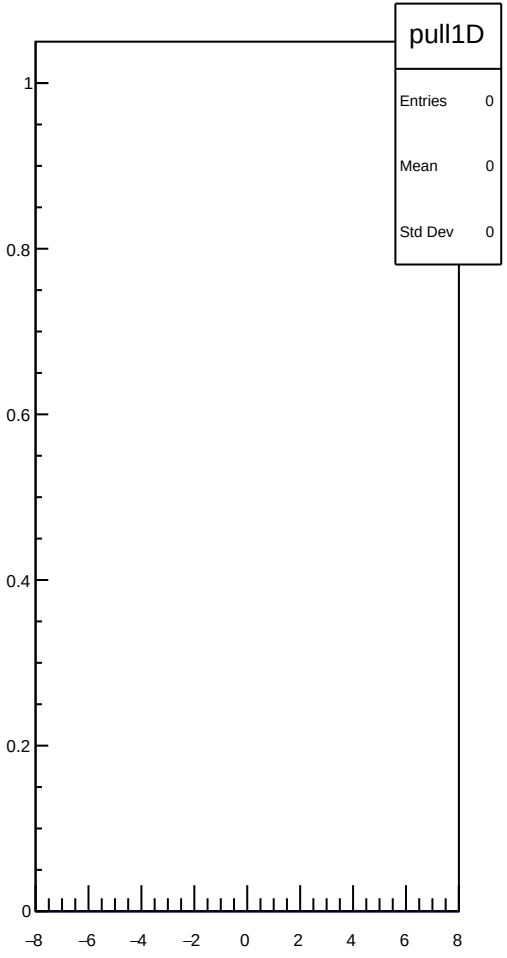

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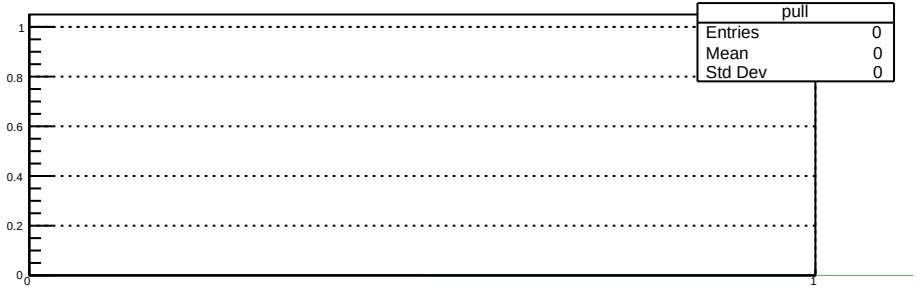

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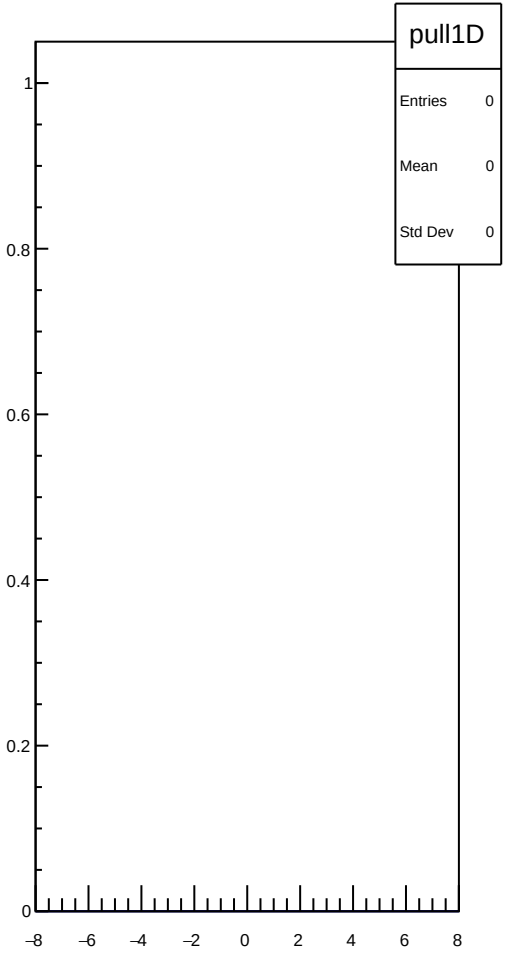

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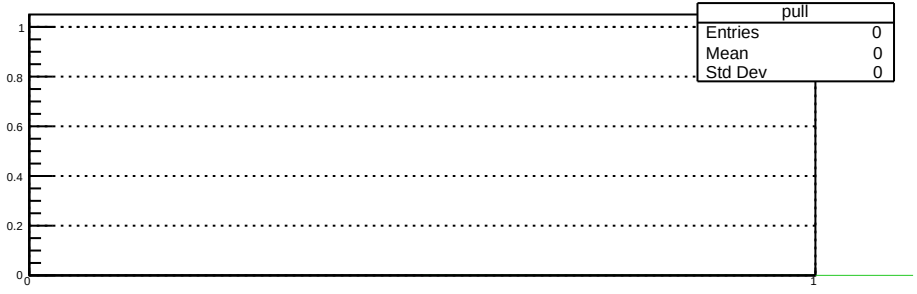

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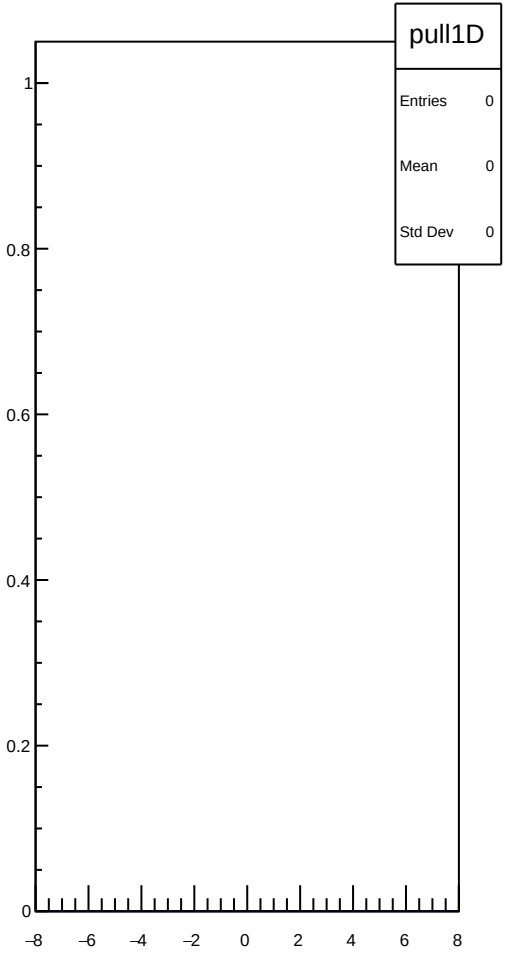

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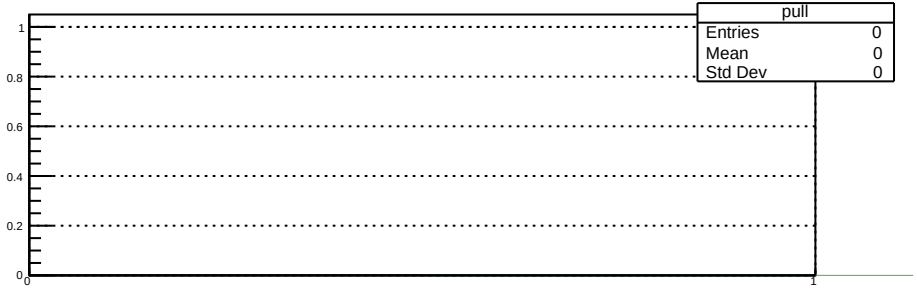

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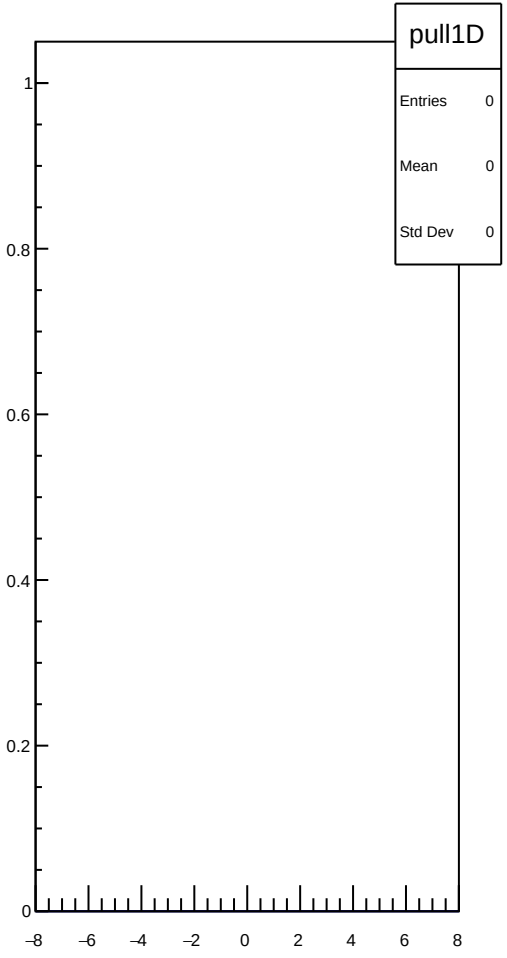

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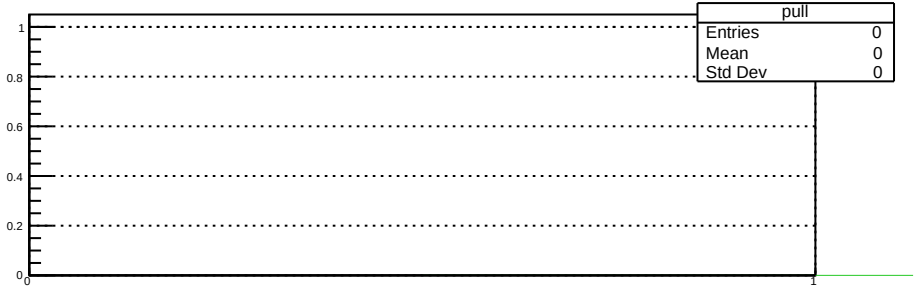

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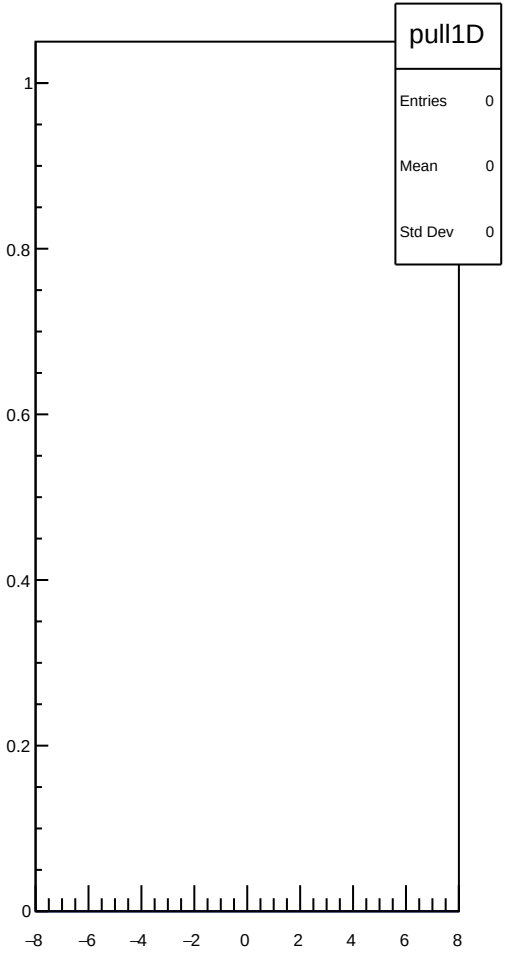

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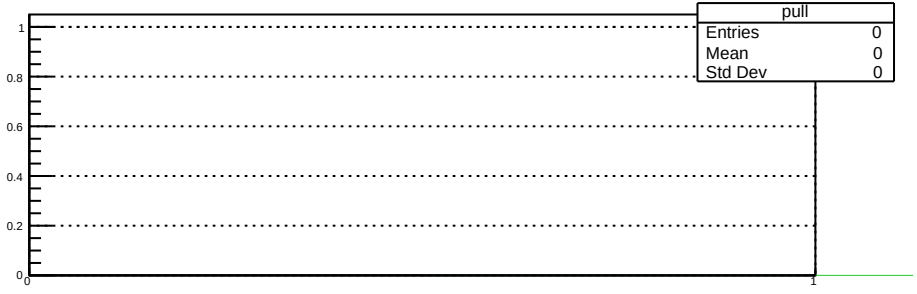

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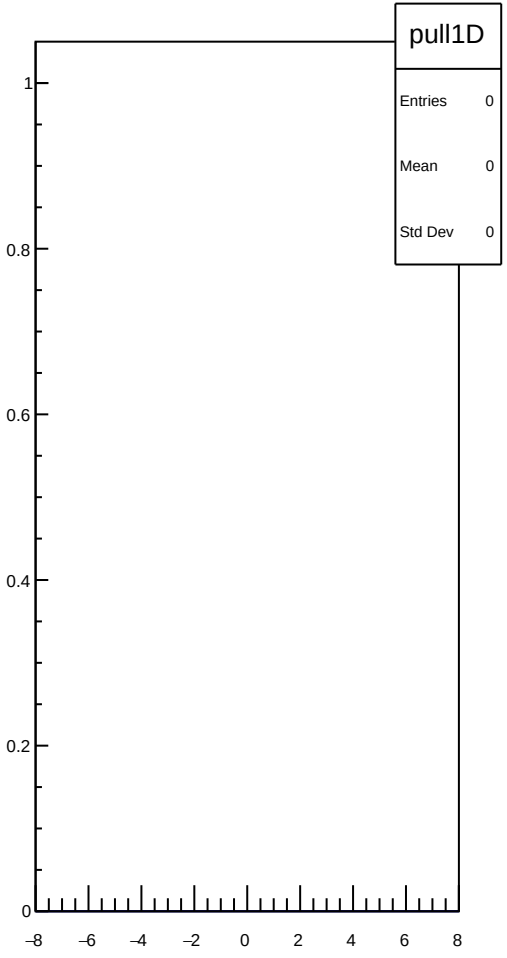

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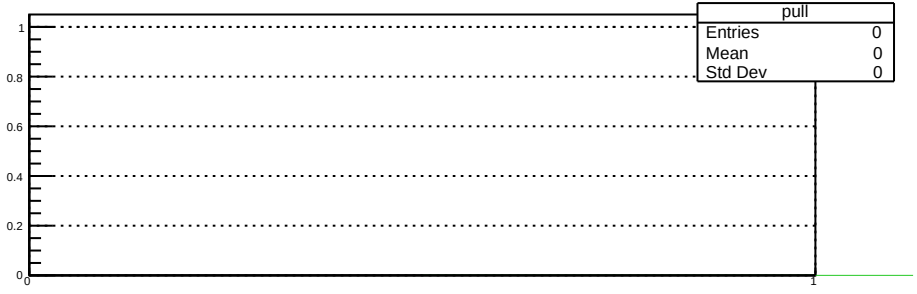

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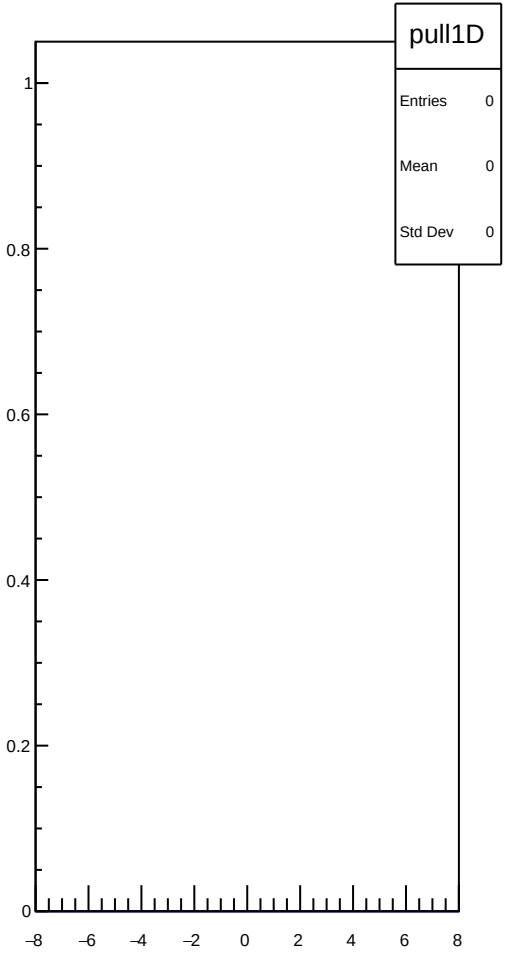

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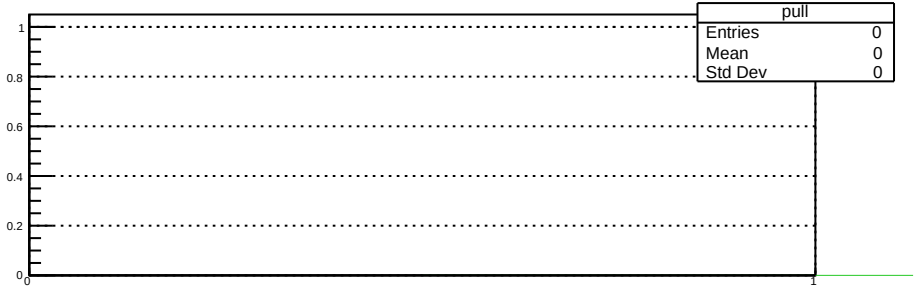

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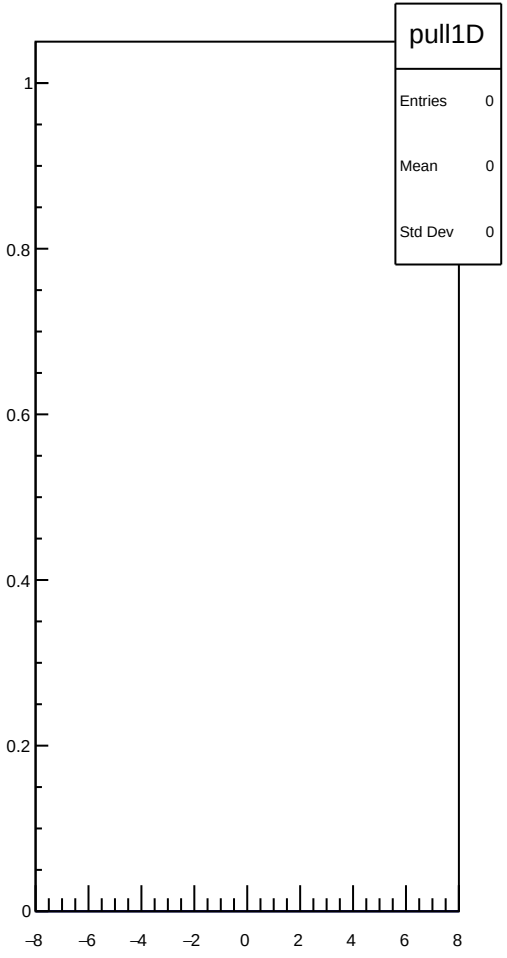

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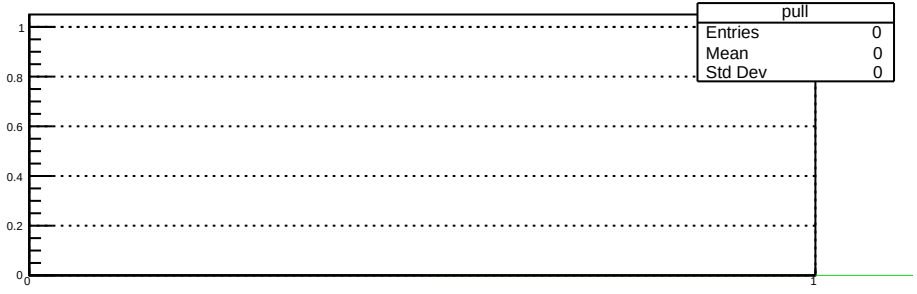

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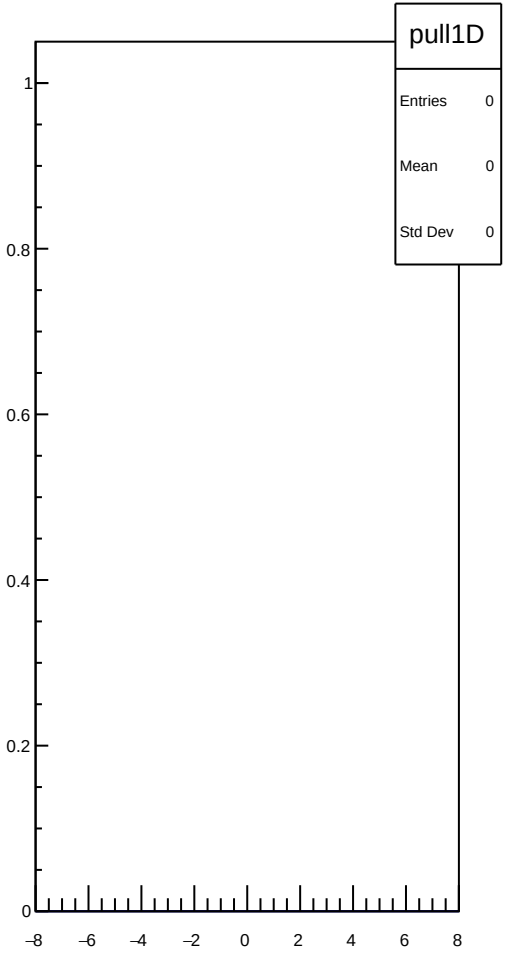

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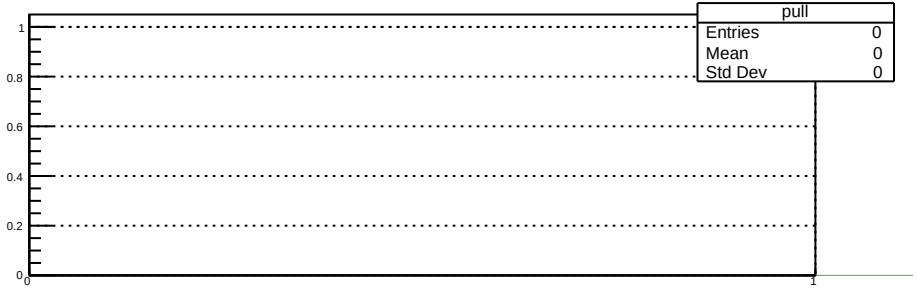

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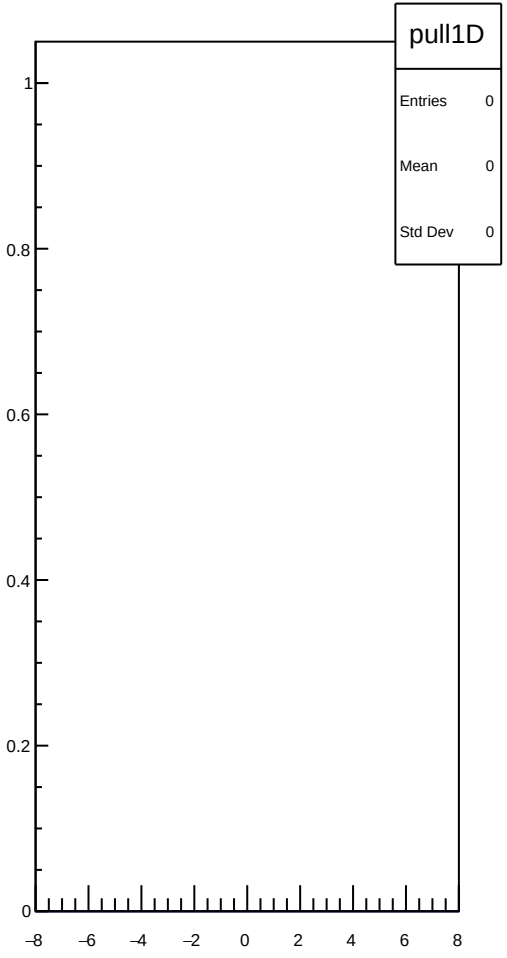

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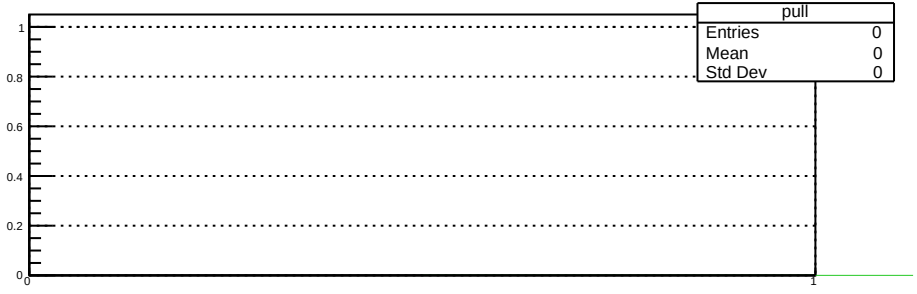

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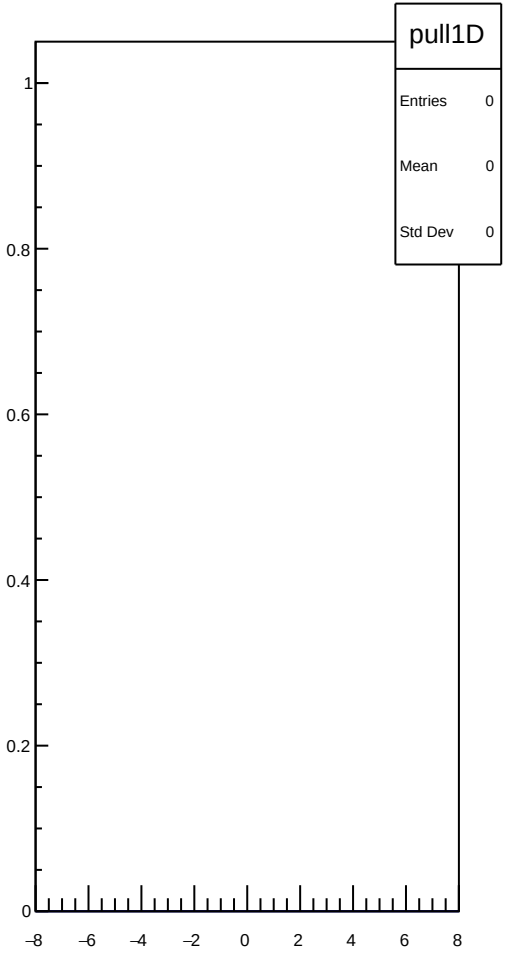

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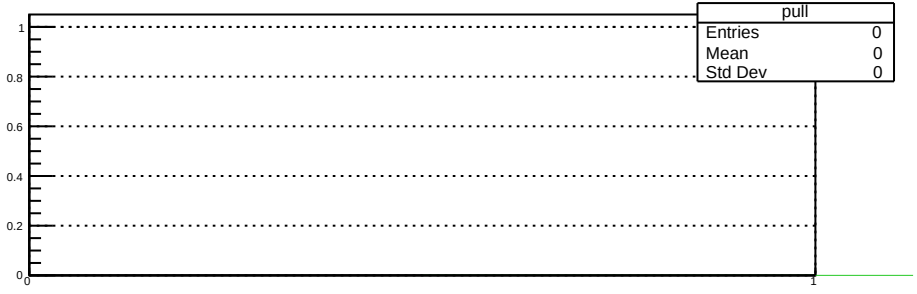

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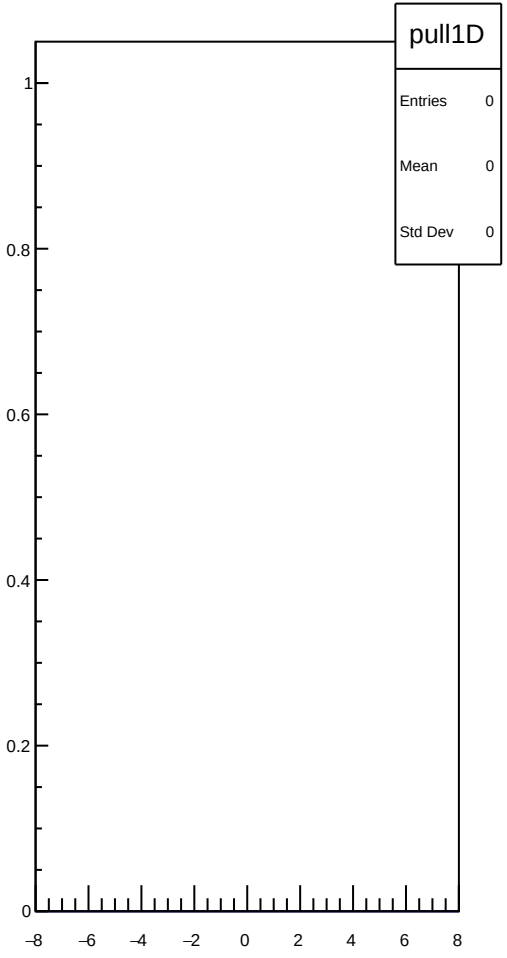

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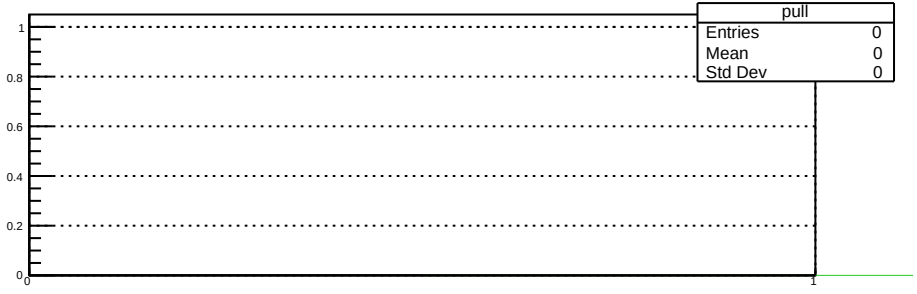

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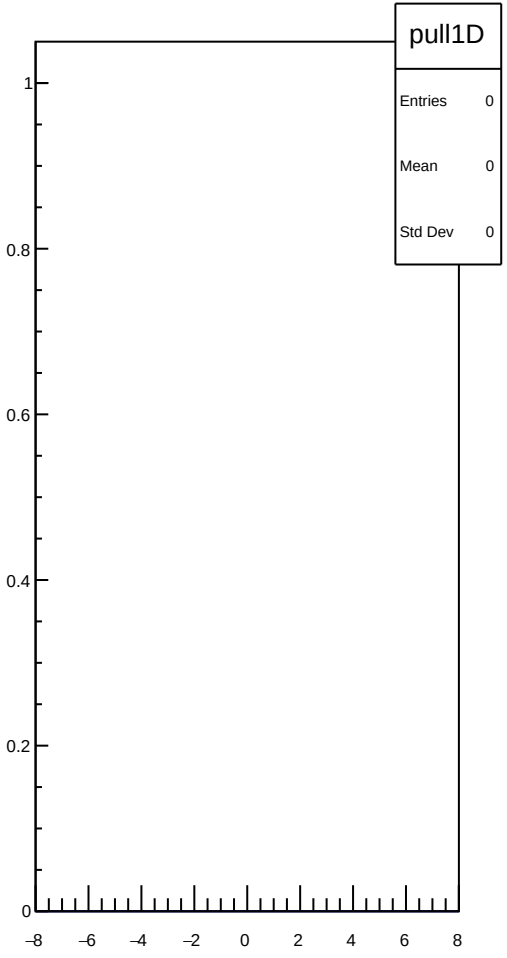

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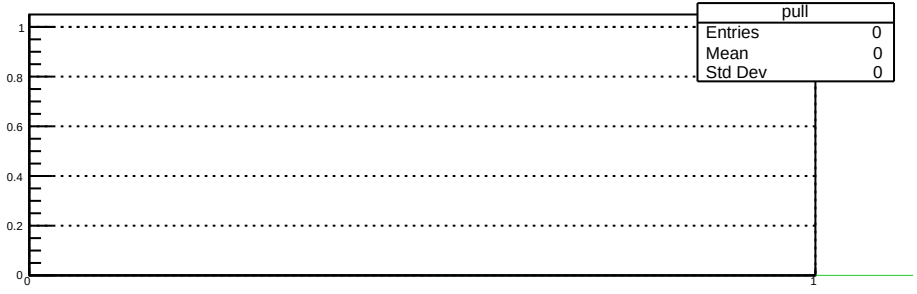

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
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–6
–4
–2
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2
4
6
8

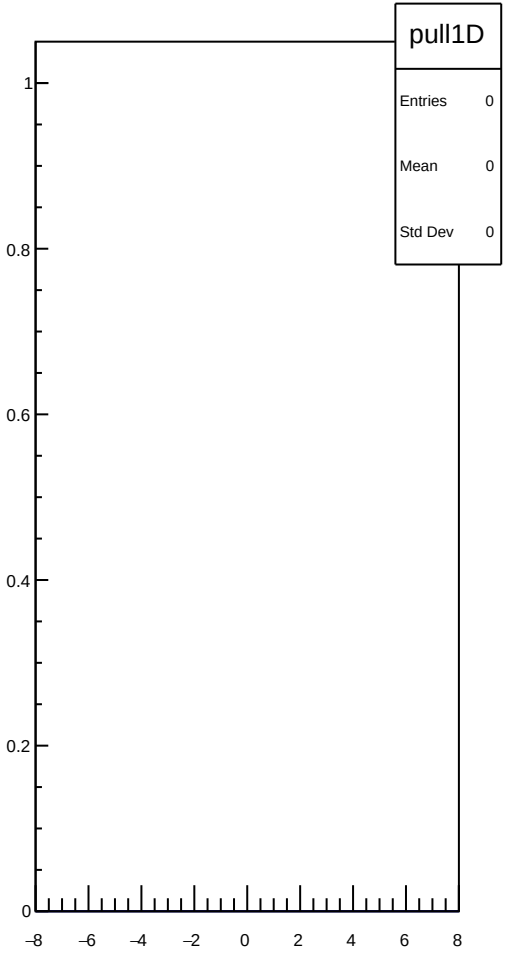

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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0
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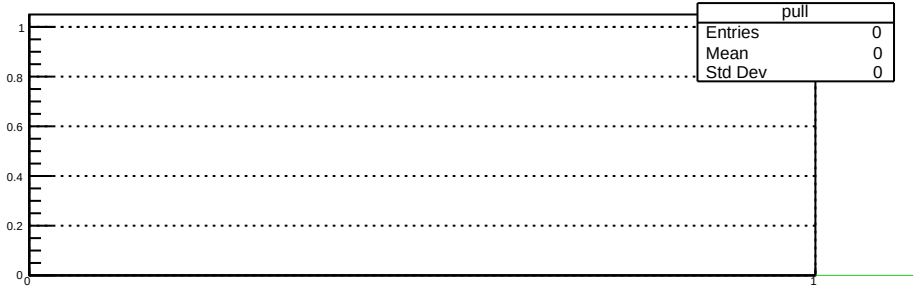

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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–4
–2
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6
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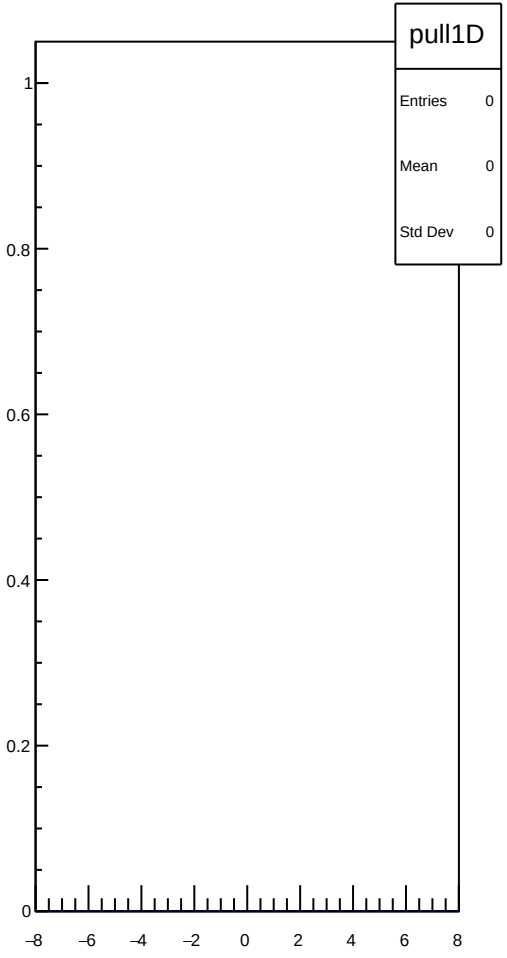

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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1

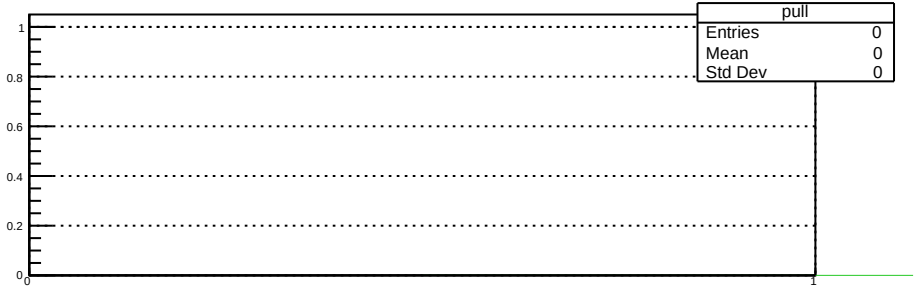

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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–4
–2
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6
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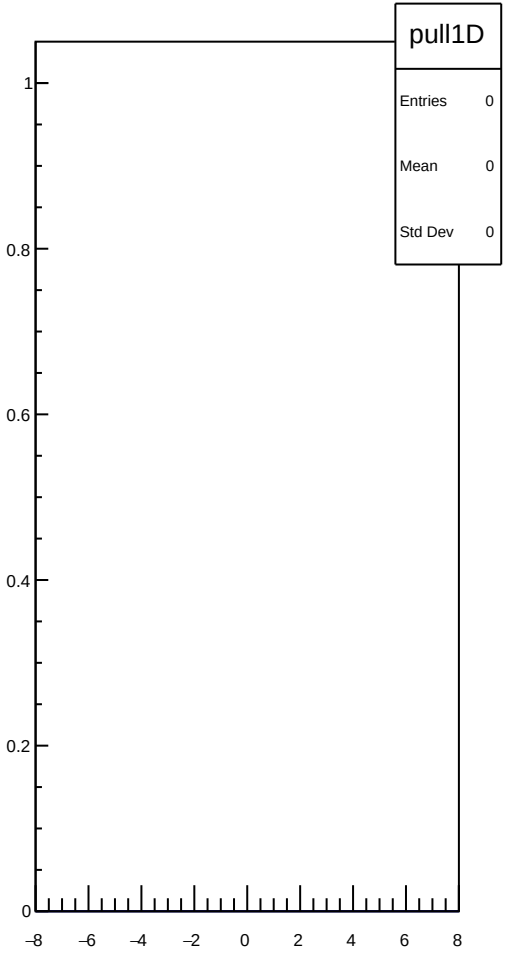

pull
Entries 0
Mean 0
Std Dev 0
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0.6
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0.2
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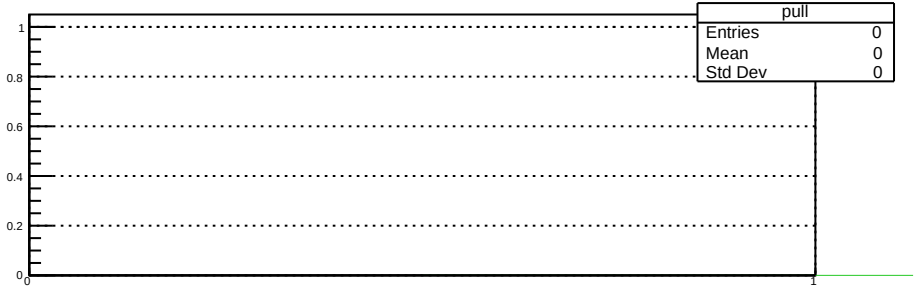

pull1D
Entries 0
Mean 0
Std Dev 0
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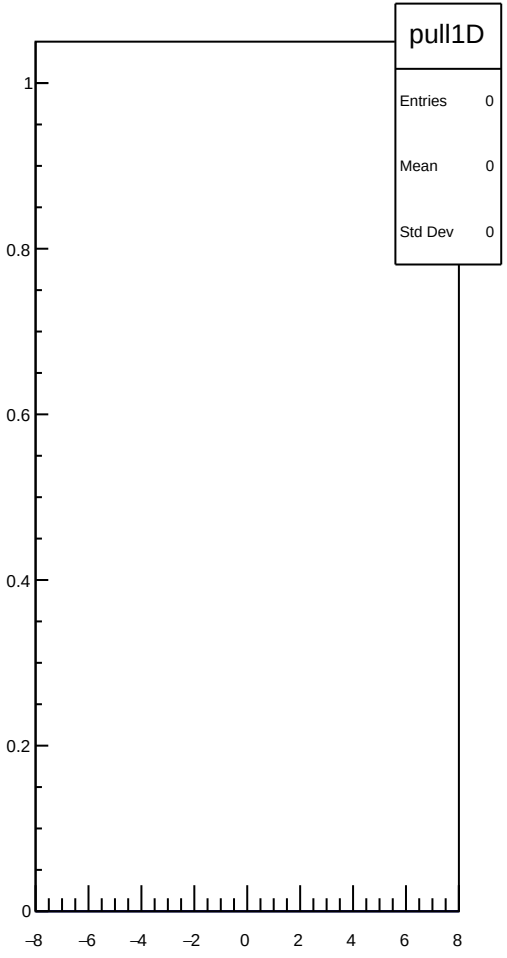

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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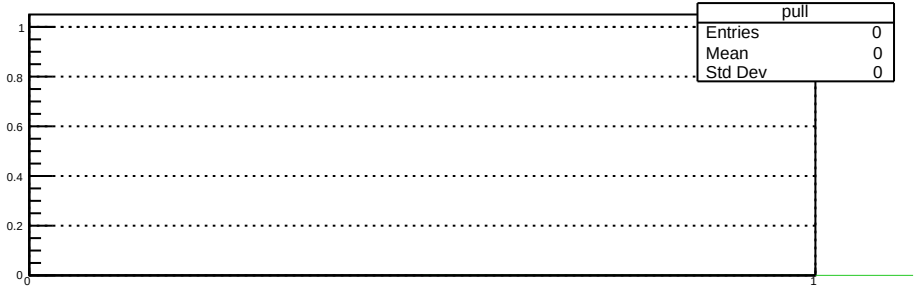

pull1D
Entries 0
Mean 0
Std Dev 0
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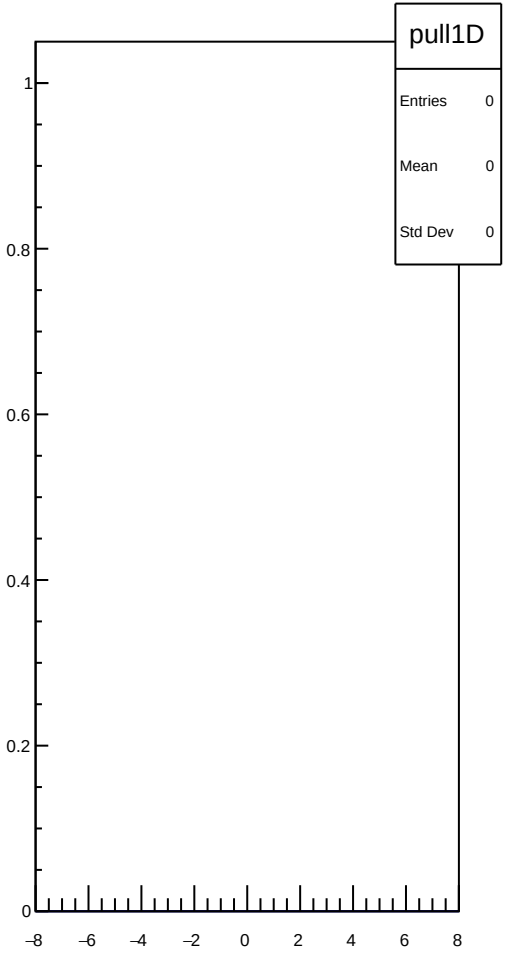

pull
Entries 0
Mean 0
Std Dev 0
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0
1

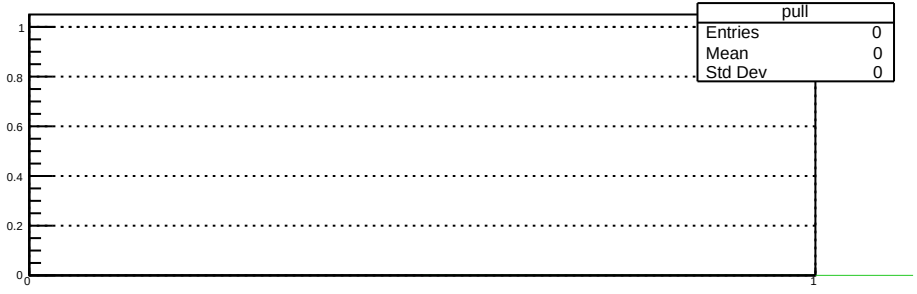

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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–8
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–4
–2
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6
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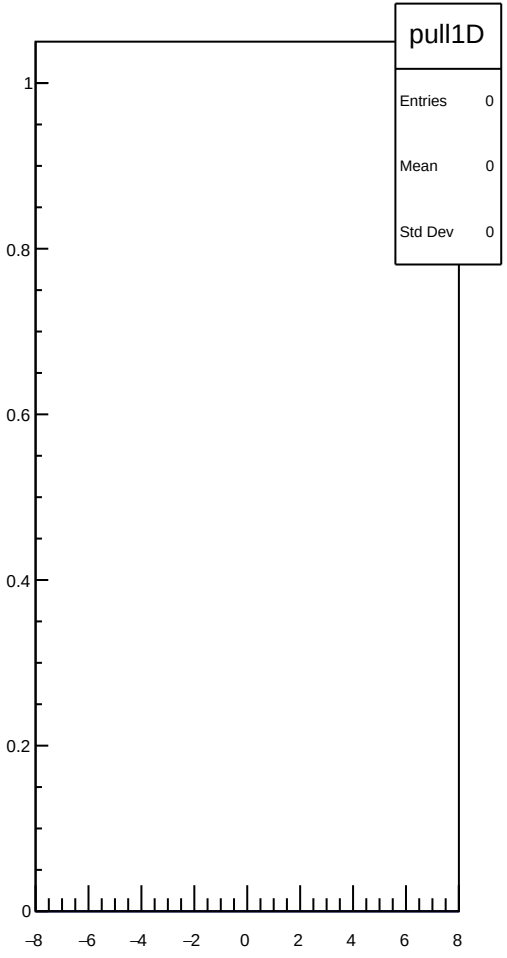

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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1

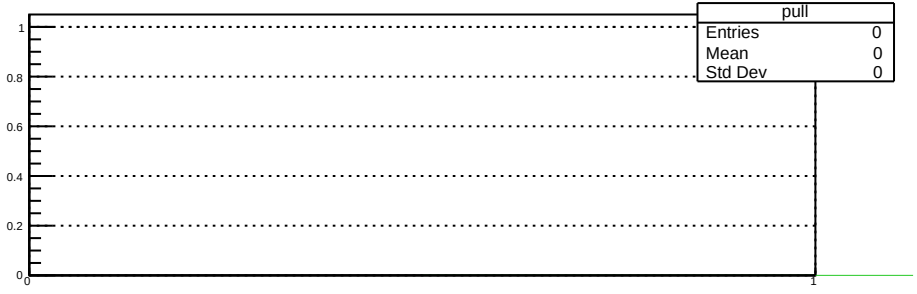

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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6
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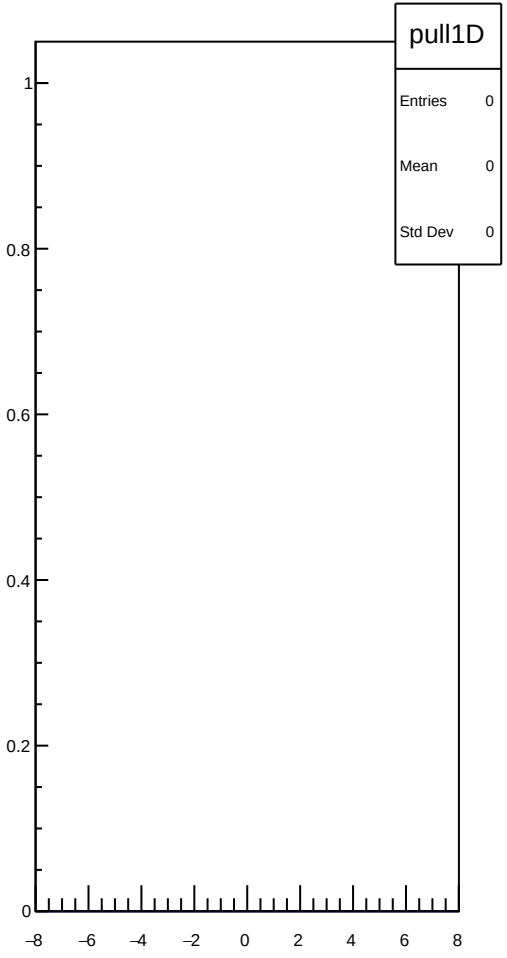

pull
Entries 0
Mean 0
Std Dev 0
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0.6
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0.2
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0
1

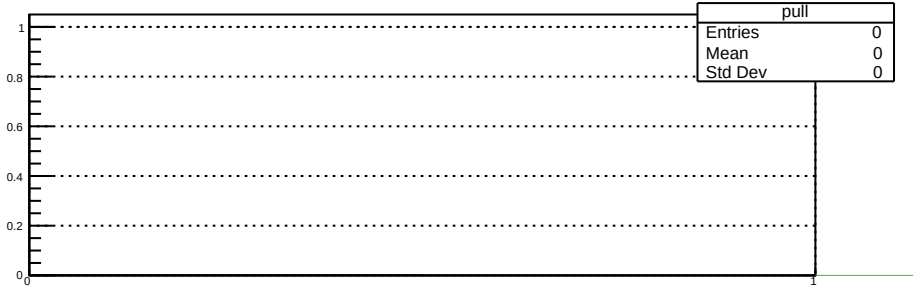

pull1D
Entries 0
Mean 0
Std Dev 0
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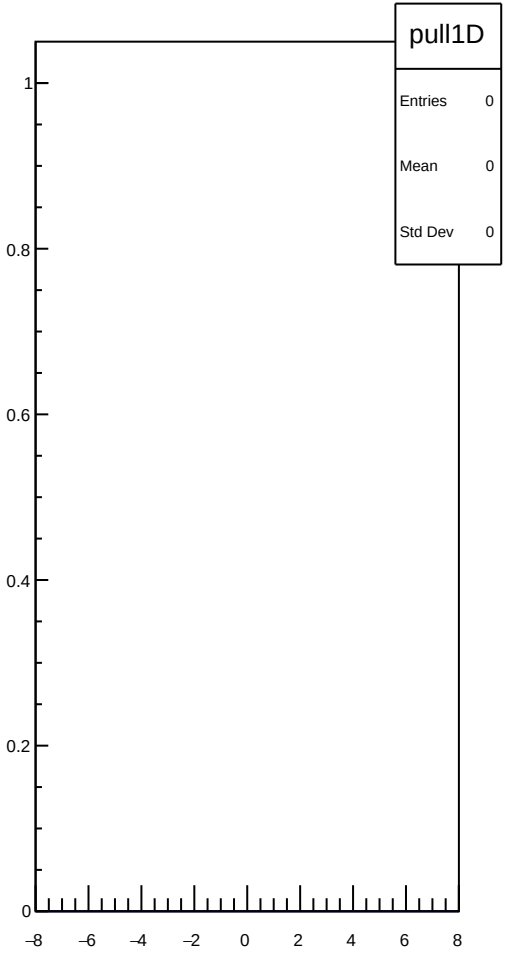

pull
Entries 0
Mean 0
Std Dev 0
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0.8
0.6
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0
1

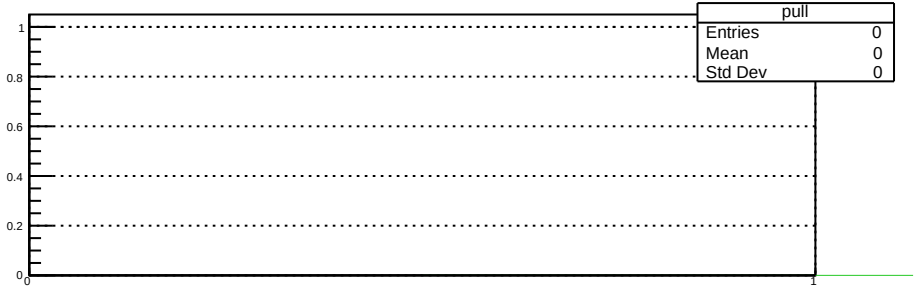

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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4
6
8

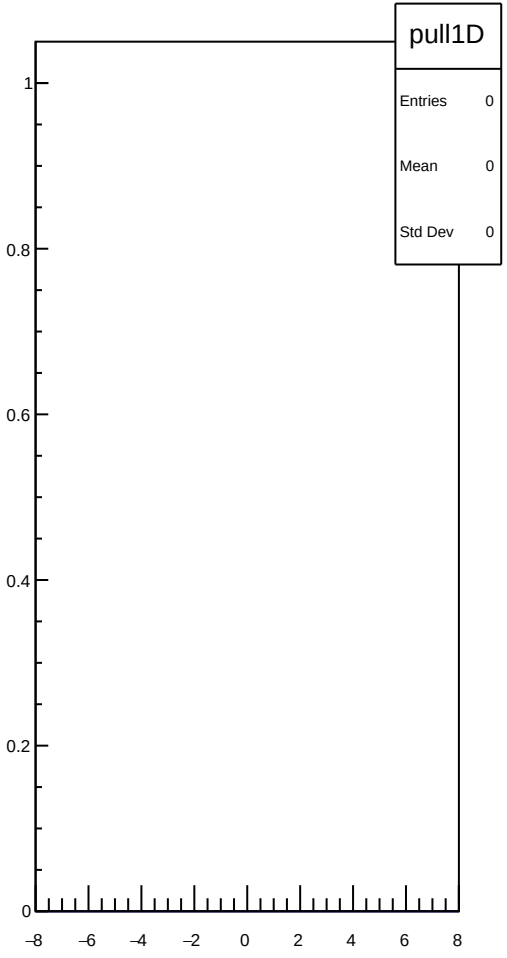

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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0
1

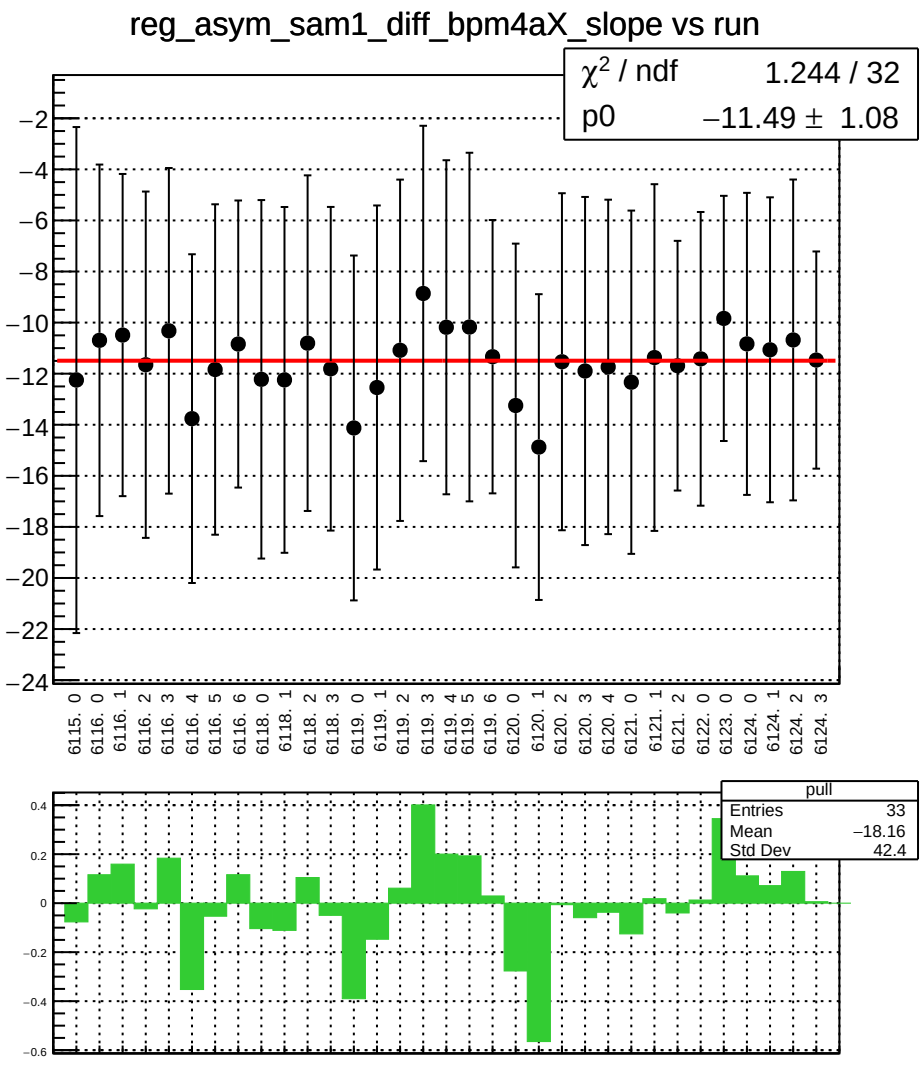

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

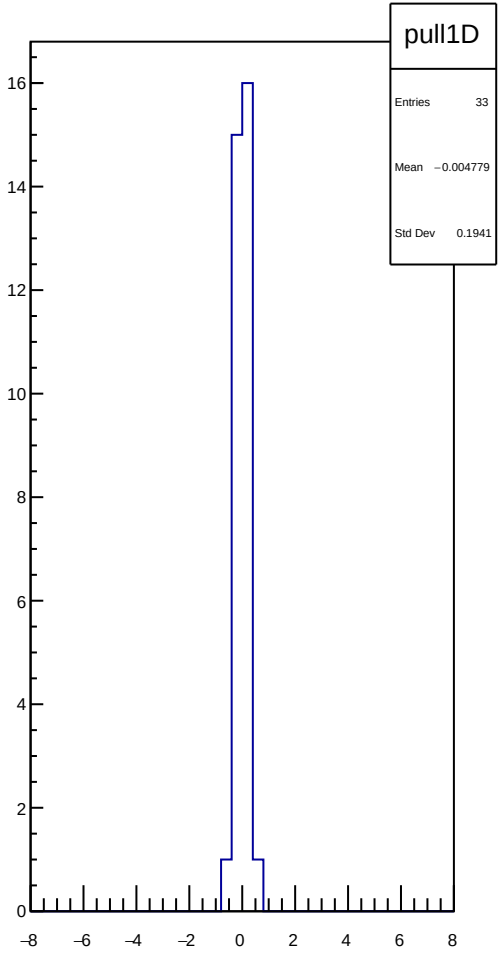

pull
Entries 0
Mean 0
Std Dev 0
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0.8
0.6
0.4
0.2
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0
1

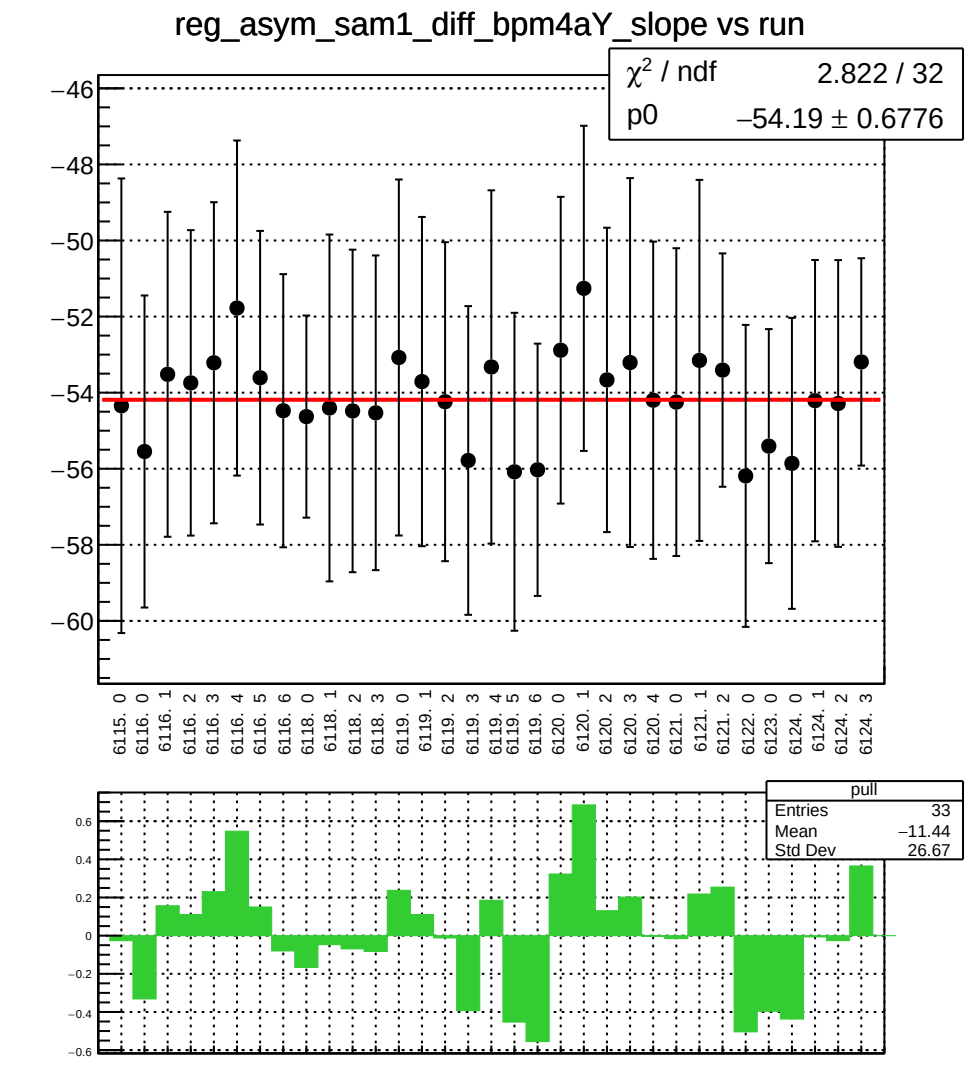

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
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–6
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2
4
6
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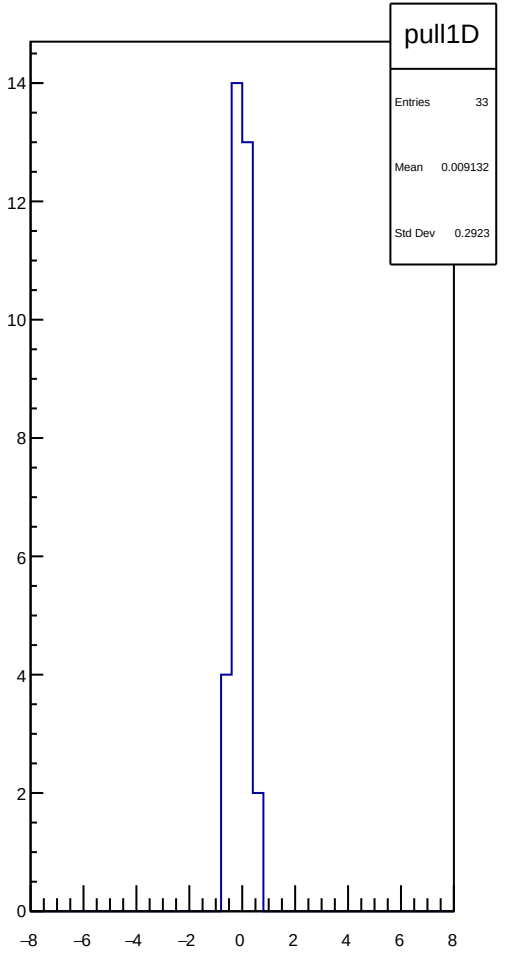

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
0
1

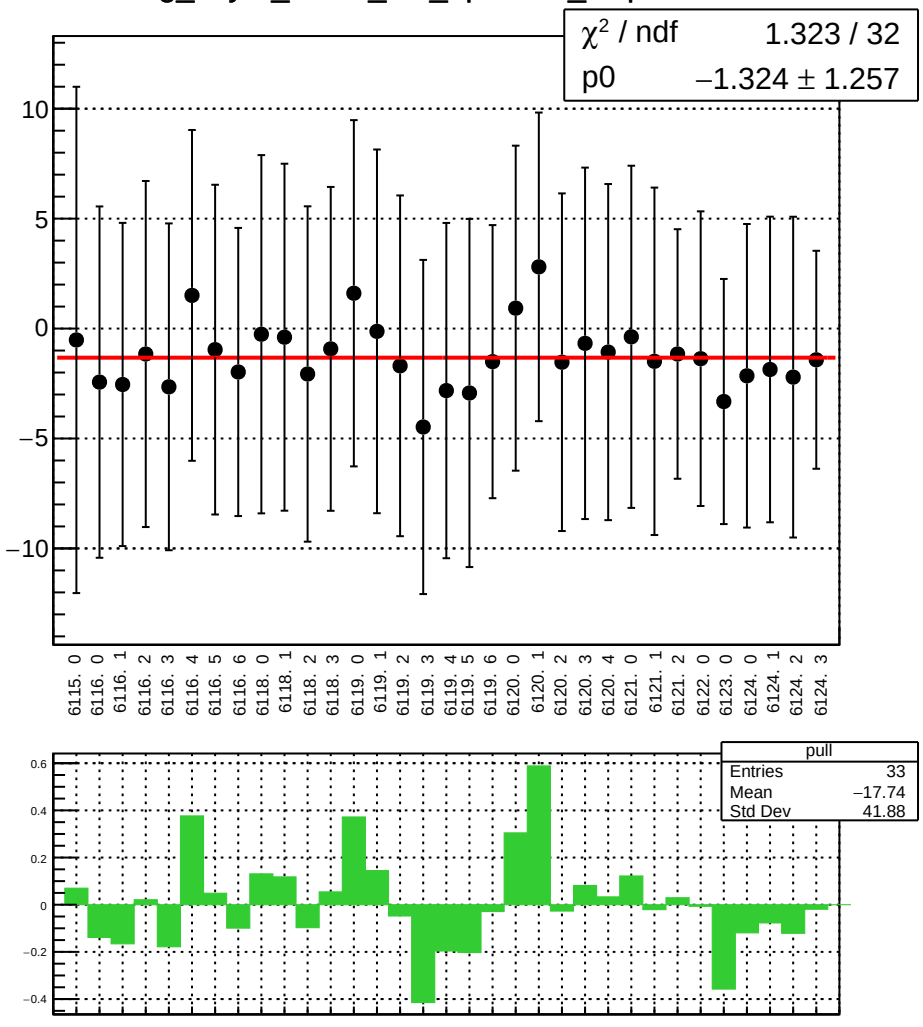

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

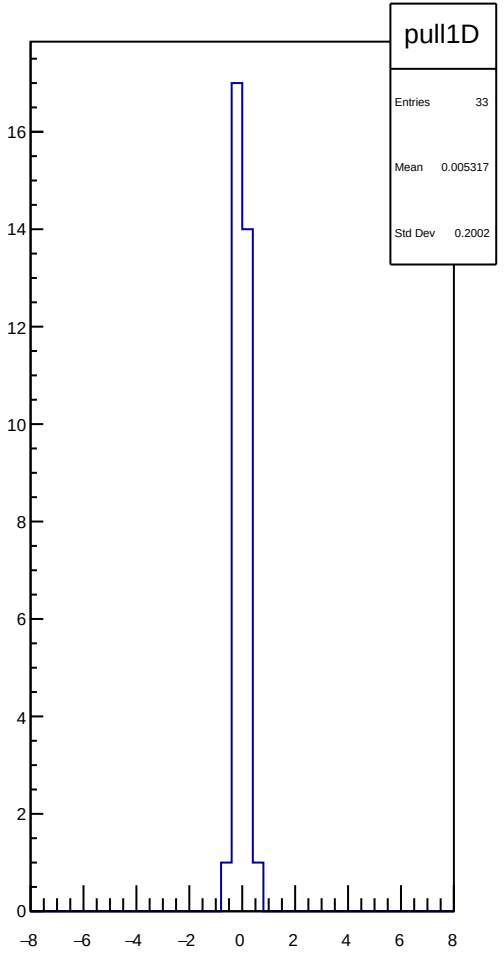

reg_asym_sam1_diff_bpm4aX_slope vs run
χ² / ndf 1.244 / 32
p0 −11.49 ± 1.08
pull
Entries 33
Mean −18.16
Std Dev 42.4

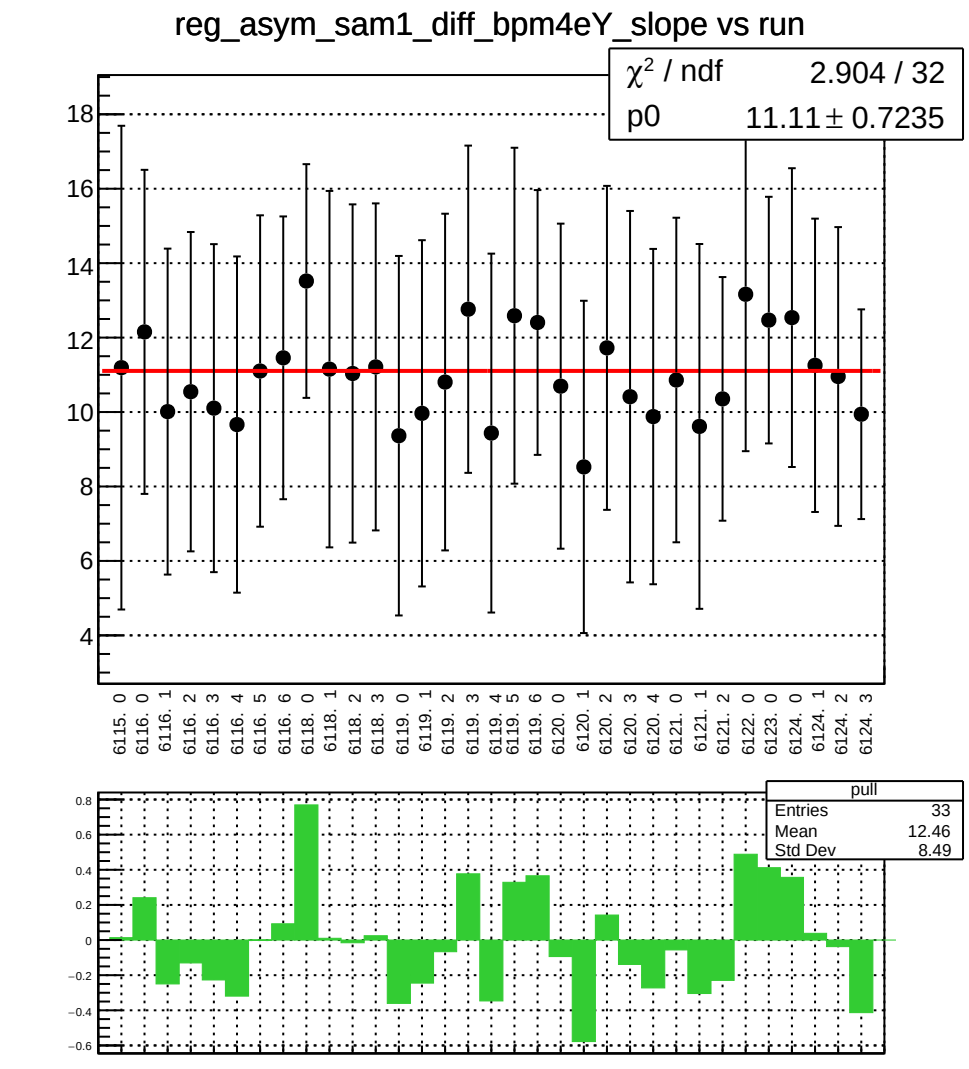

pull1D
Entries 33
Mean −0.004779
Std Dev 0.1941

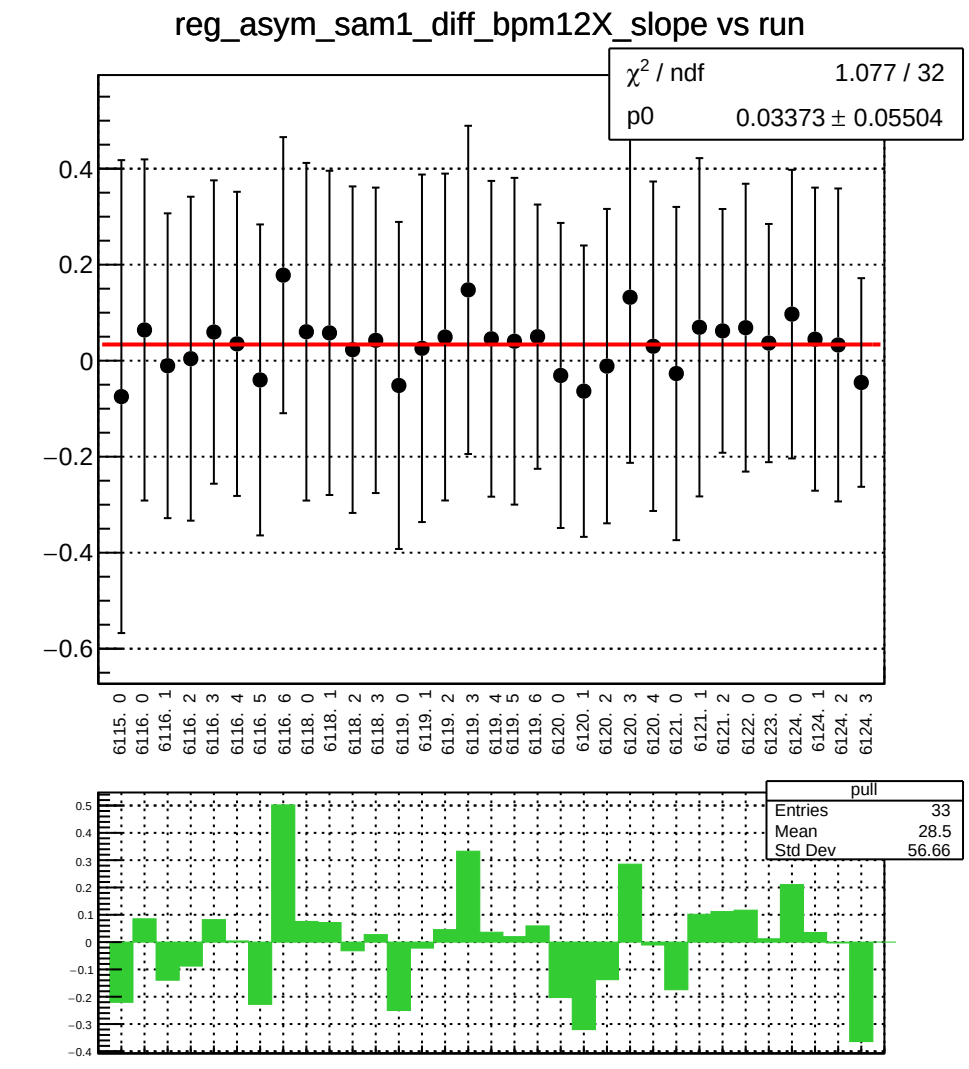

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 2.822 / 32
p0 −54.19 ± 0.6776
−46
−48
−50
−52
−54
−56
−58
−60
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −11.44
Std Dev 26.67
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

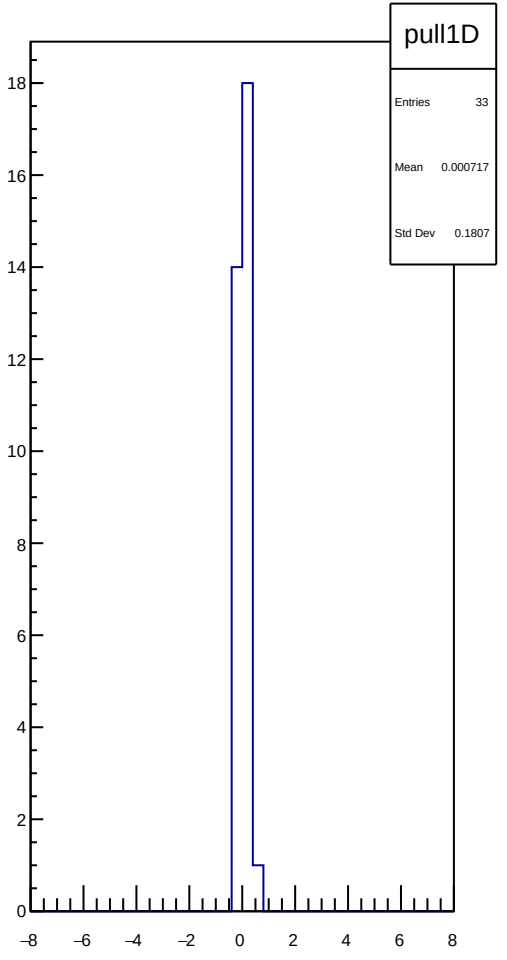

pull1D
Entries 33
Mean 0.009132
Std Dev 0.2923
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

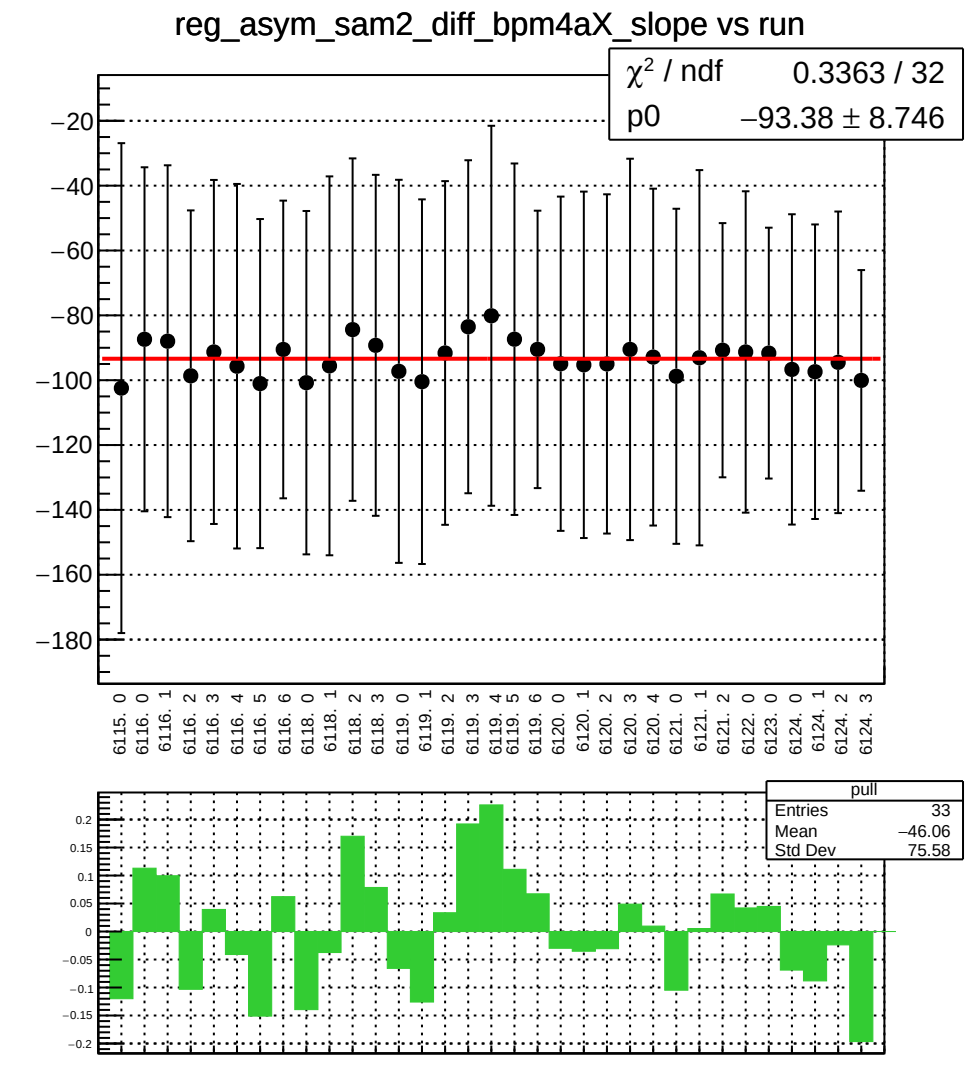

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 1.323 / 32
p0 −1.324 ± 1.257
10
5
0
−5
−10
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −17.74
Std Dev 41.88
0.6
0.4
0.2
0
−0.2
−0.4

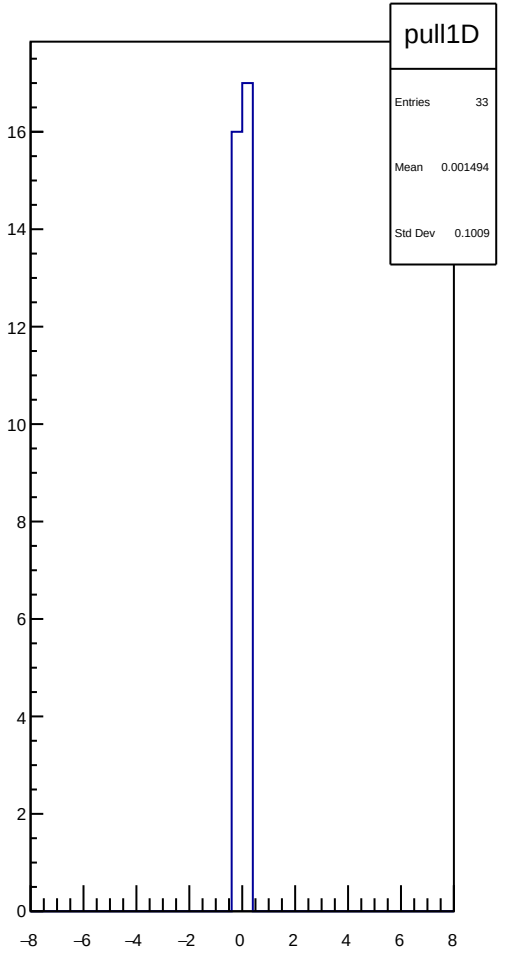

pull1D
Entries 33
Mean 0.005317
Std Dev 0.2002
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

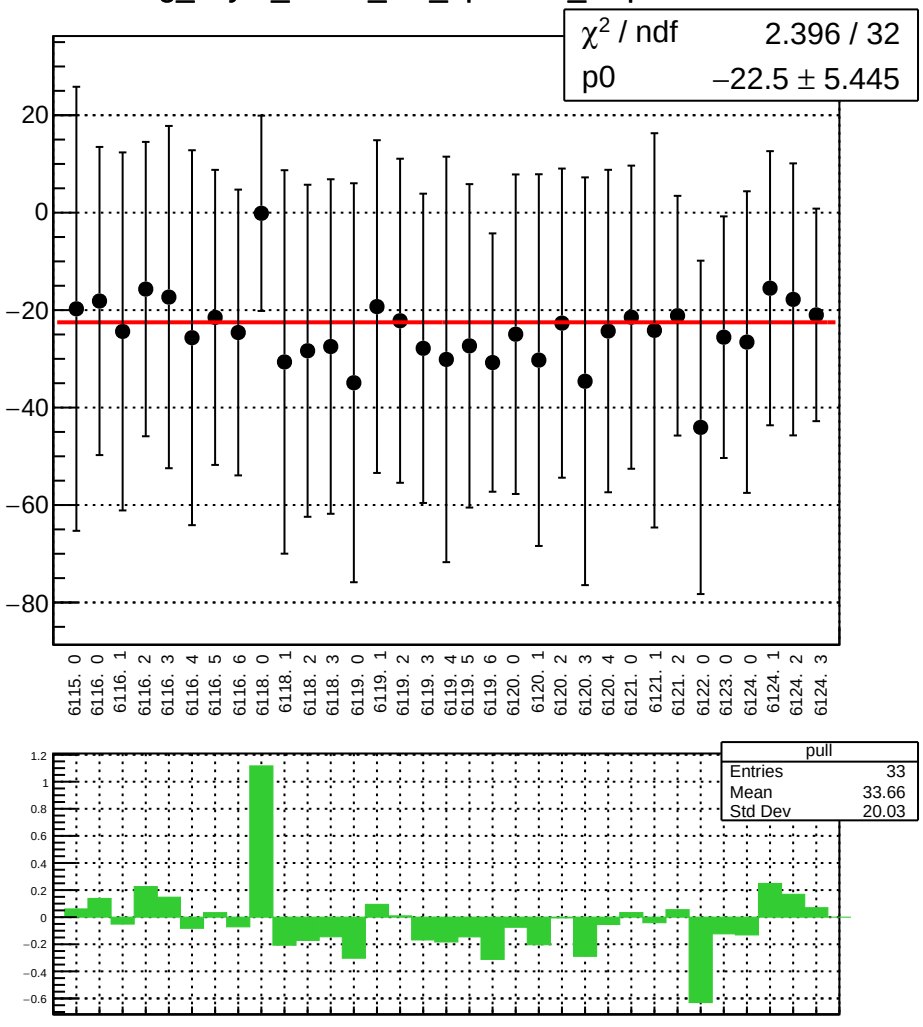

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 2.904 / 32
p0 11.11 ± 0.7235
18
16
14
12
10
8
6
4
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 12.46
Std Dev 8.49
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 33
Mean −0.01286
Std Dev 0.2964
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

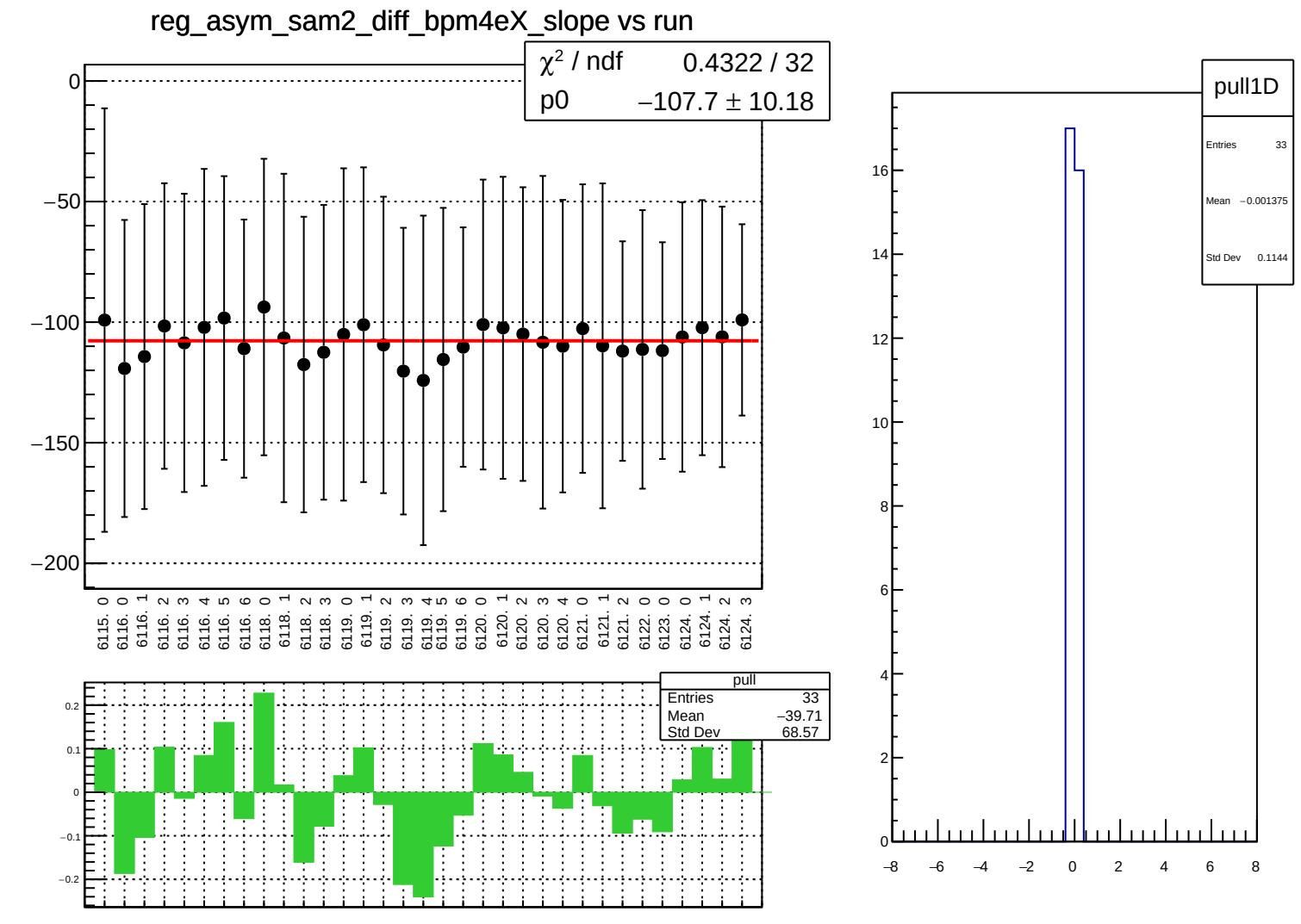

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 1.077 / 32
p0 0.03373 ± 0.05504
0.4
0.2
0
−0.2
−0.4
−0.6
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 28.5
Std Dev 56.66
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4

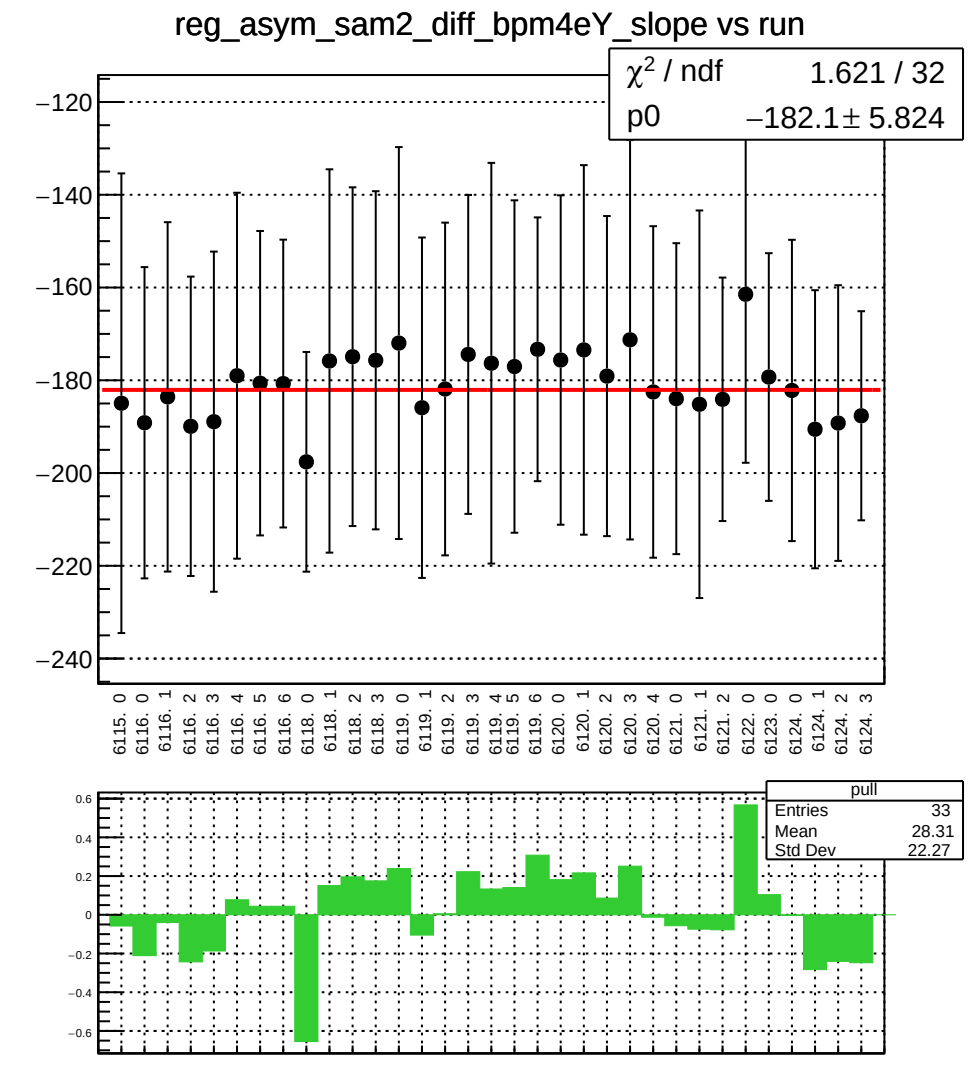

pull1D
Entries 33
Mean 0.000717
Std Dev 0.1807
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

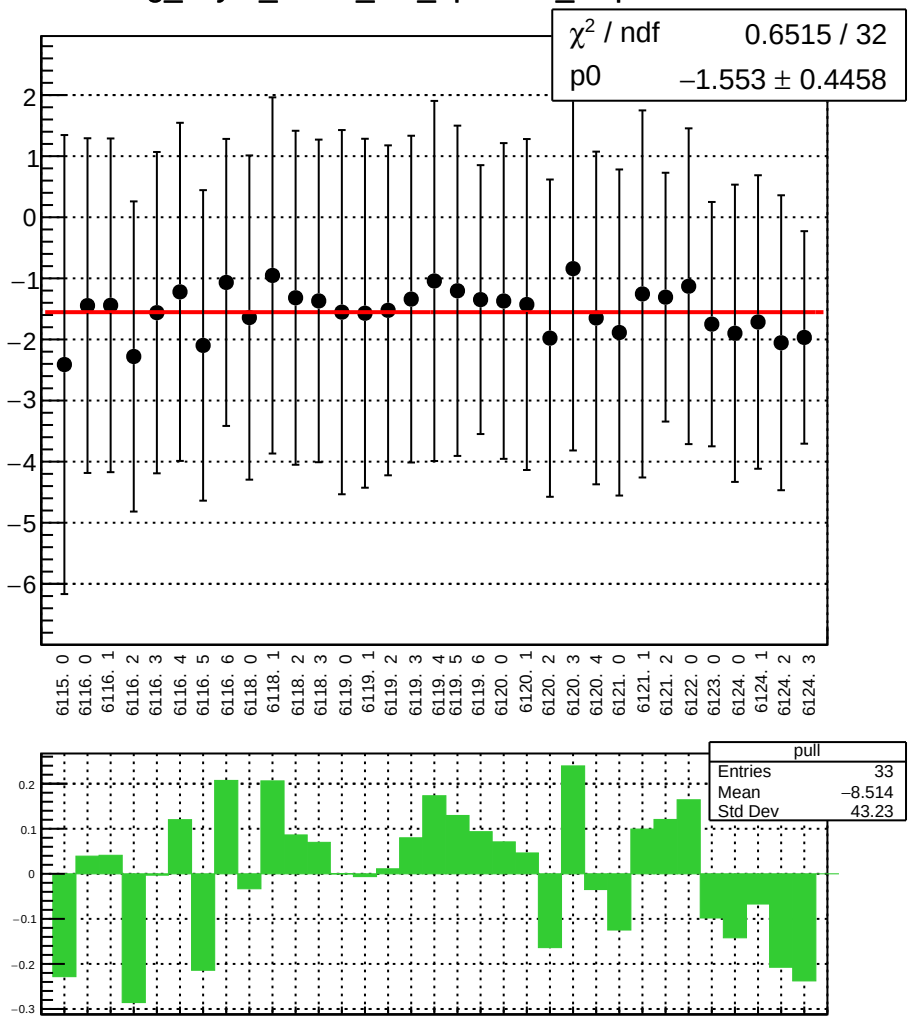

reg_asym_sam2_diff_bpm4aX_slope vs run
χ² / ndf 0.3363 / 32
p0 −93.38 ± 8.746
−20
−40
−60
−80
−100
−120
−140
−160
−180
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −46.06
Std Dev 75.58
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2

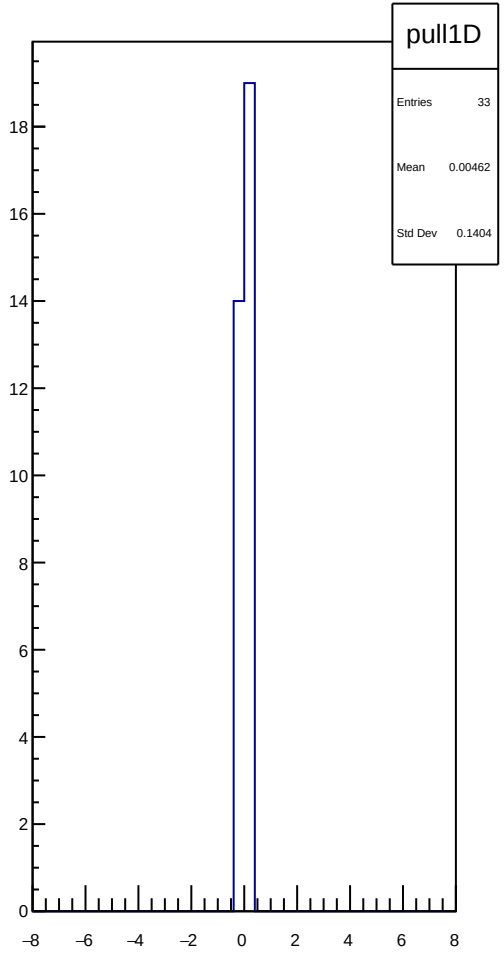

pull1D
Entries 33
Mean 0.001494
Std Dev 0.1009
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

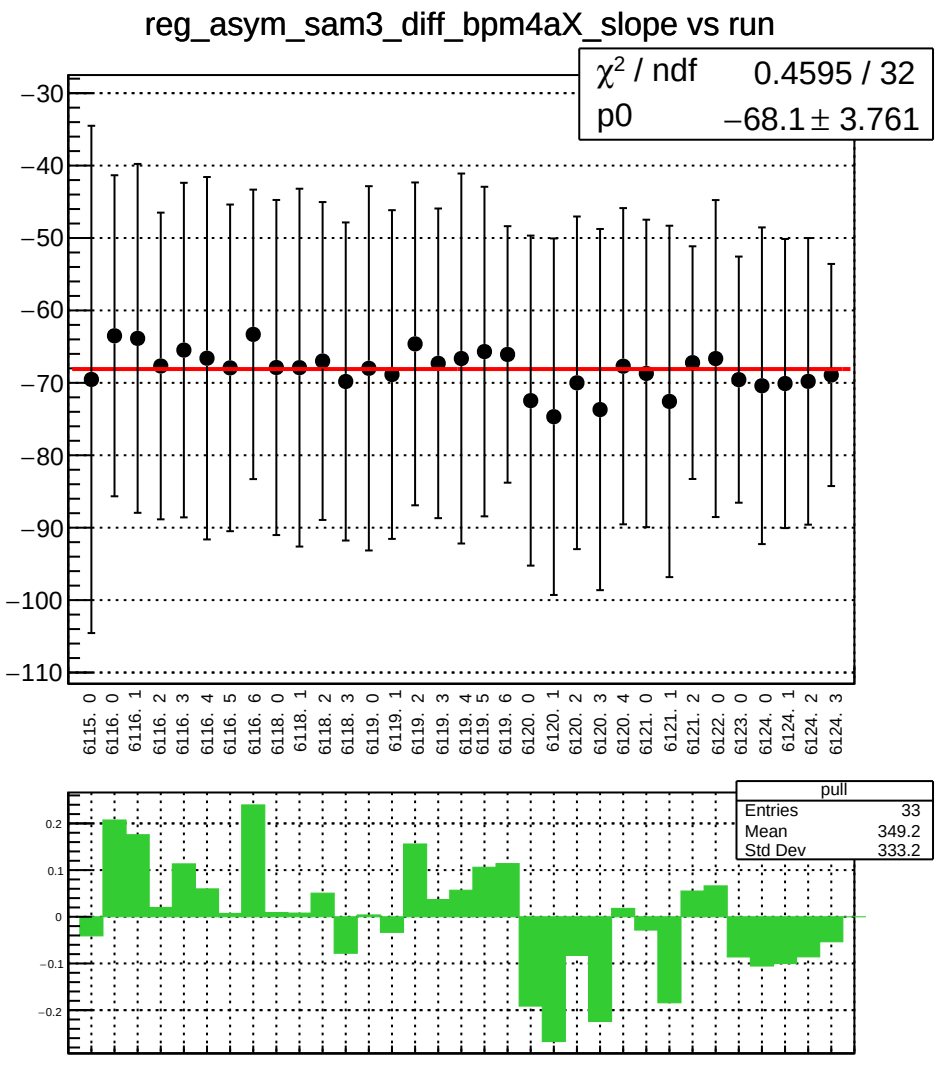

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 2.396 / 32
p0 −22.5 ± 5.445
20
0
−20
−40
−60
−80
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 33.66
Std Dev 20.03
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 33
Mean −0.02995
Std Dev 0.2678
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

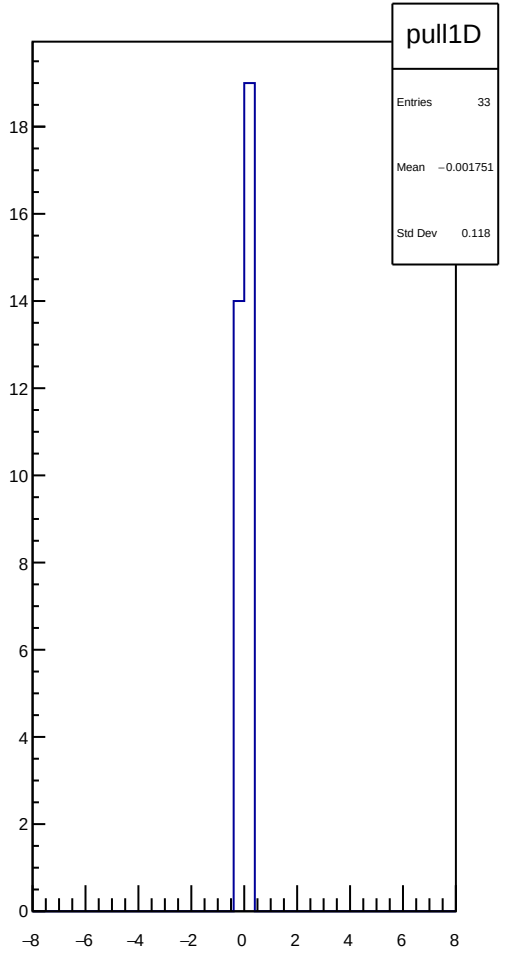

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 0.4322 / 32
p0 −107.7 ± 10.18
0
−50
−100
−150
−200
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −39.71
Std Dev 68.57
0.2
0.1
0
−0.1
−0.2
pull1D
Entries 33
Mean −0.001375
Std Dev 0.1144
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

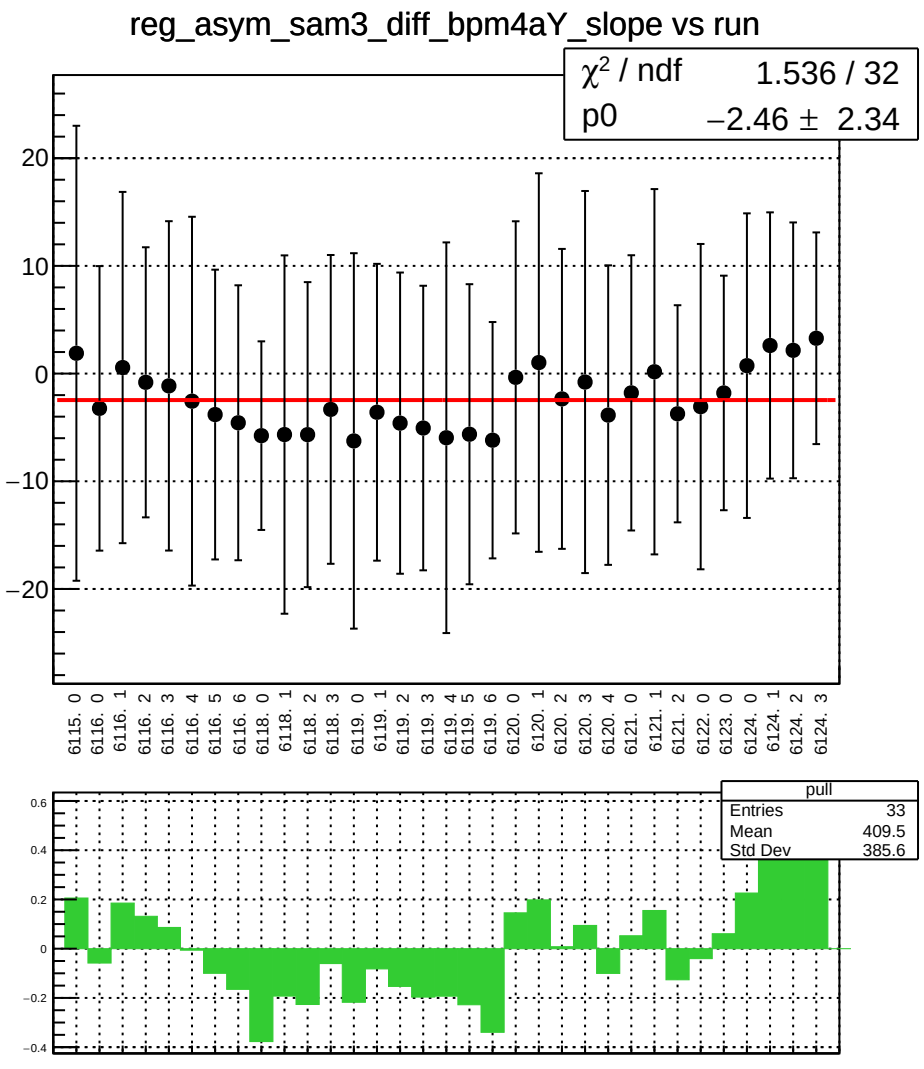

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 1.621 / 32
p0 −182.1± 5.824
−120
−140
−160
−180
−200
−220
−240
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 28.31
Std Dev 22.27
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 33
Mean 0.01965
Std Dev 0.2208
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

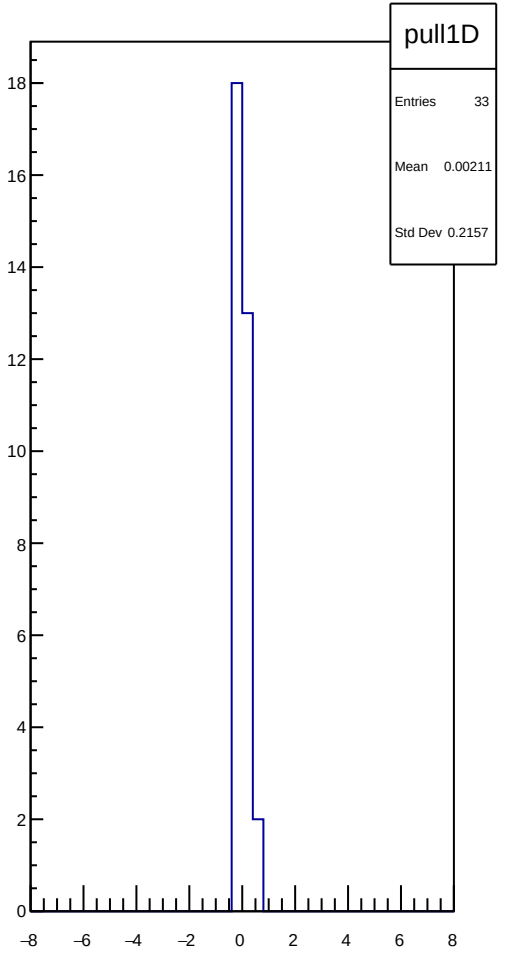

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 0.6515 / 32
p0 −1.553 ± 0.4458
pull
Entries 33
Mean −8.514
Std Dev 43.23
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

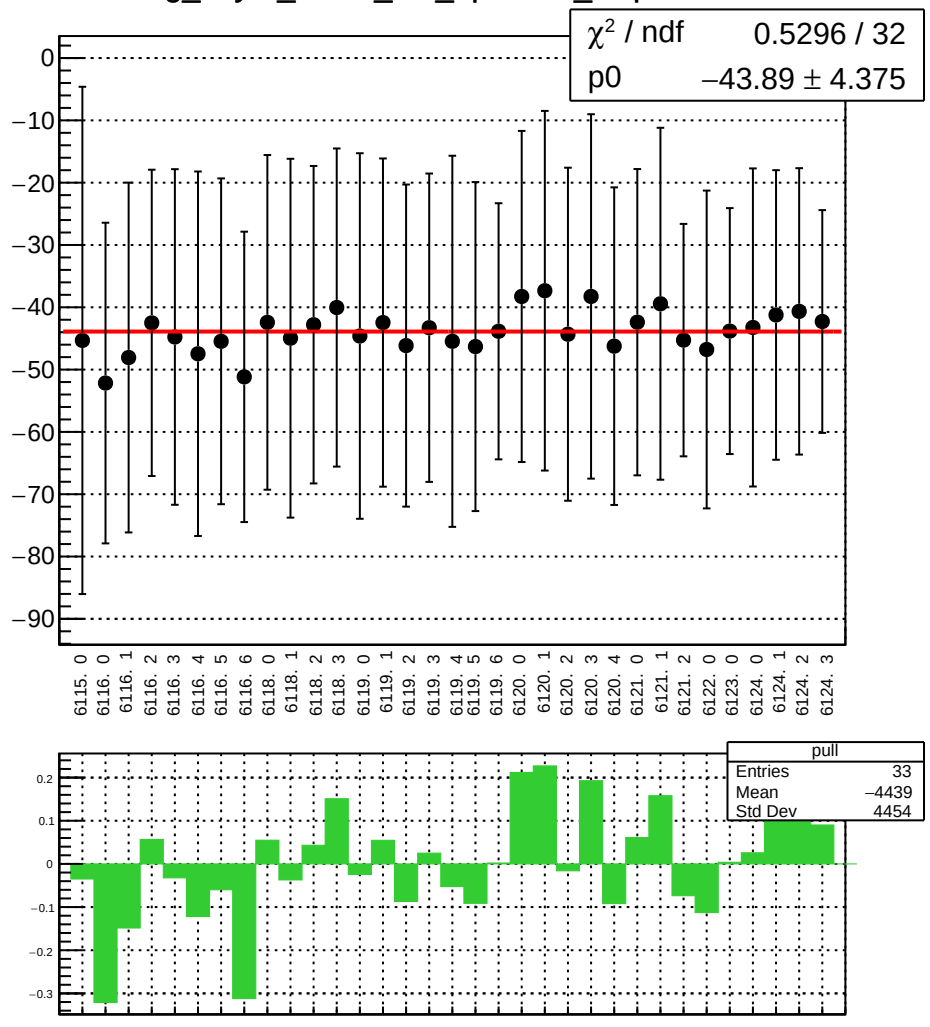

pull1D
Entries 33
Mean 0.00462
Std Dev 0.1404

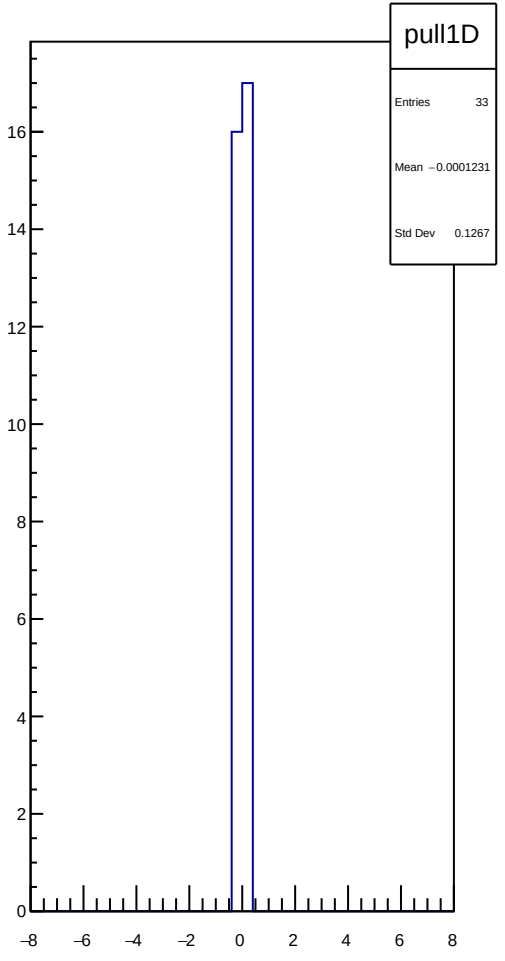

reg_asym_sam3_diff_bpm4aX_slope vs run
χ² / ndf 0.4595 / 32
p0 −68.1 ± 3.761
−30
−40
−50
−60
−70
−80
−90
−100
−110
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 349.2
Std Dev 333.2
0.2
0.1
0
−0.1
−0.2

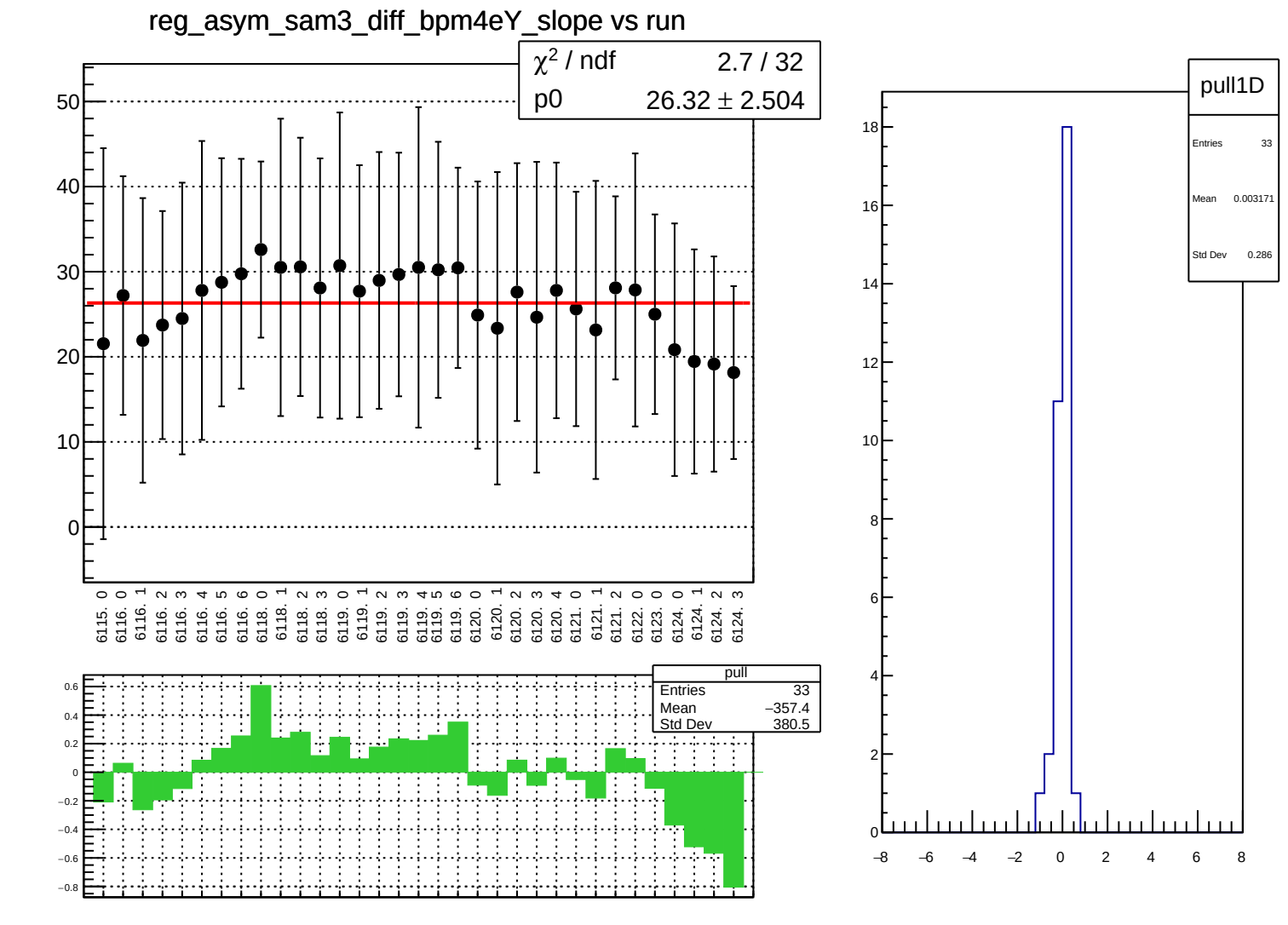

pull1D
Entries 33
Mean −0.001751
Std Dev 0.118
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

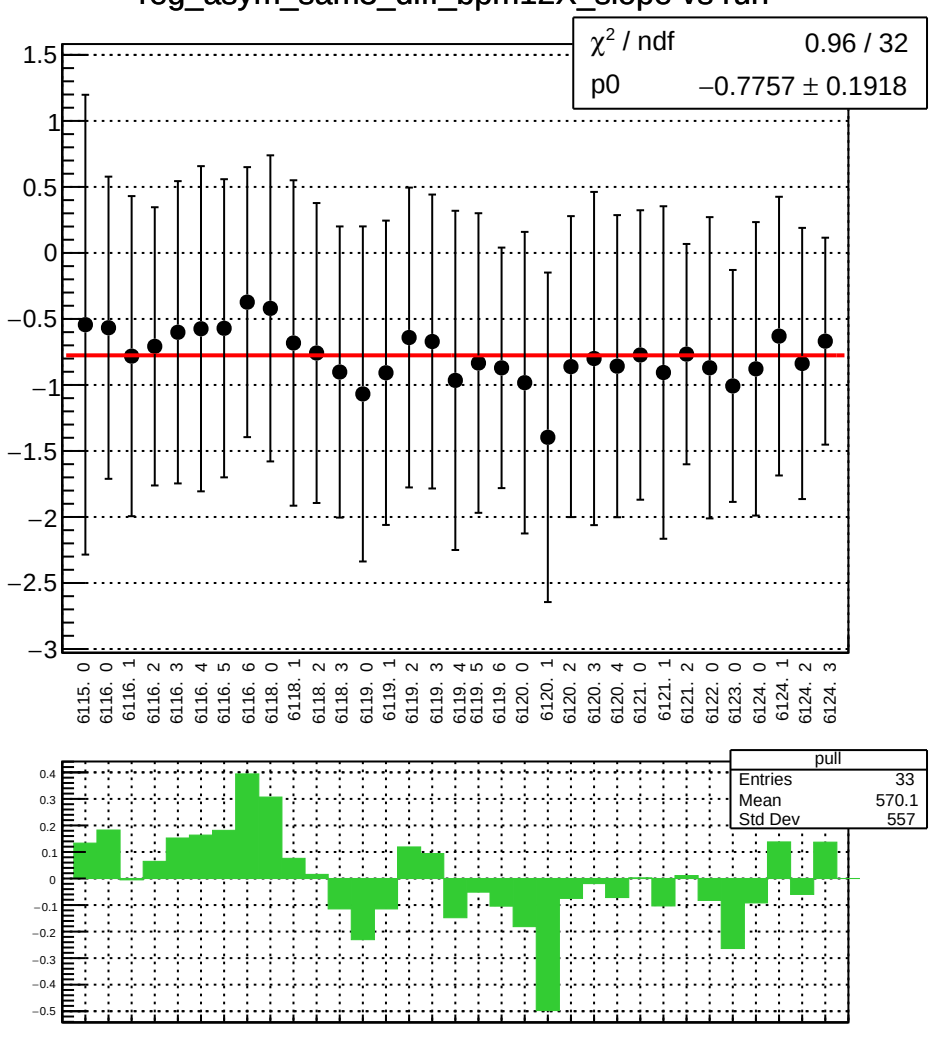

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 1.536 / 32
p0 −2.46 ± 2.34
20
10
0
−10
−20
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 409.5
Std Dev 385.6
0.6
0.4
0.2
0
−0.2
−0.4

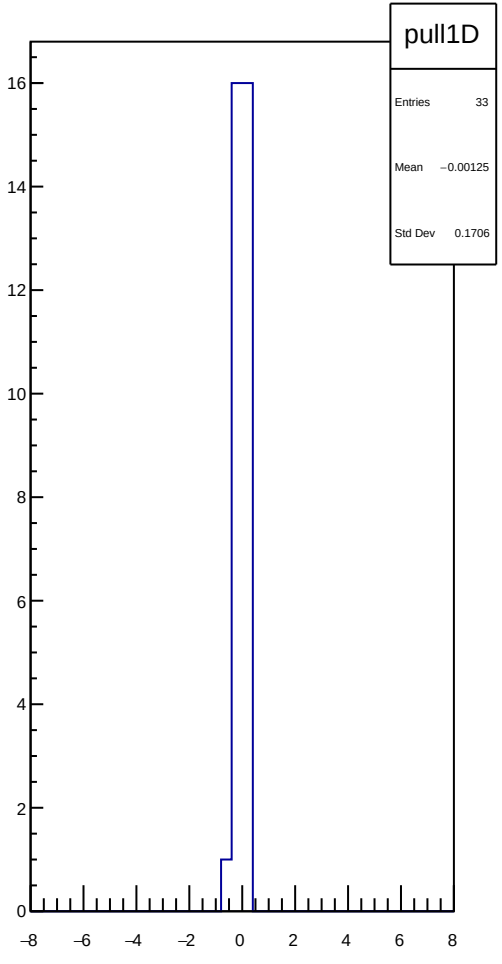

pull1D
Entries 33
Mean 0.00211
Std Dev 0.2157
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

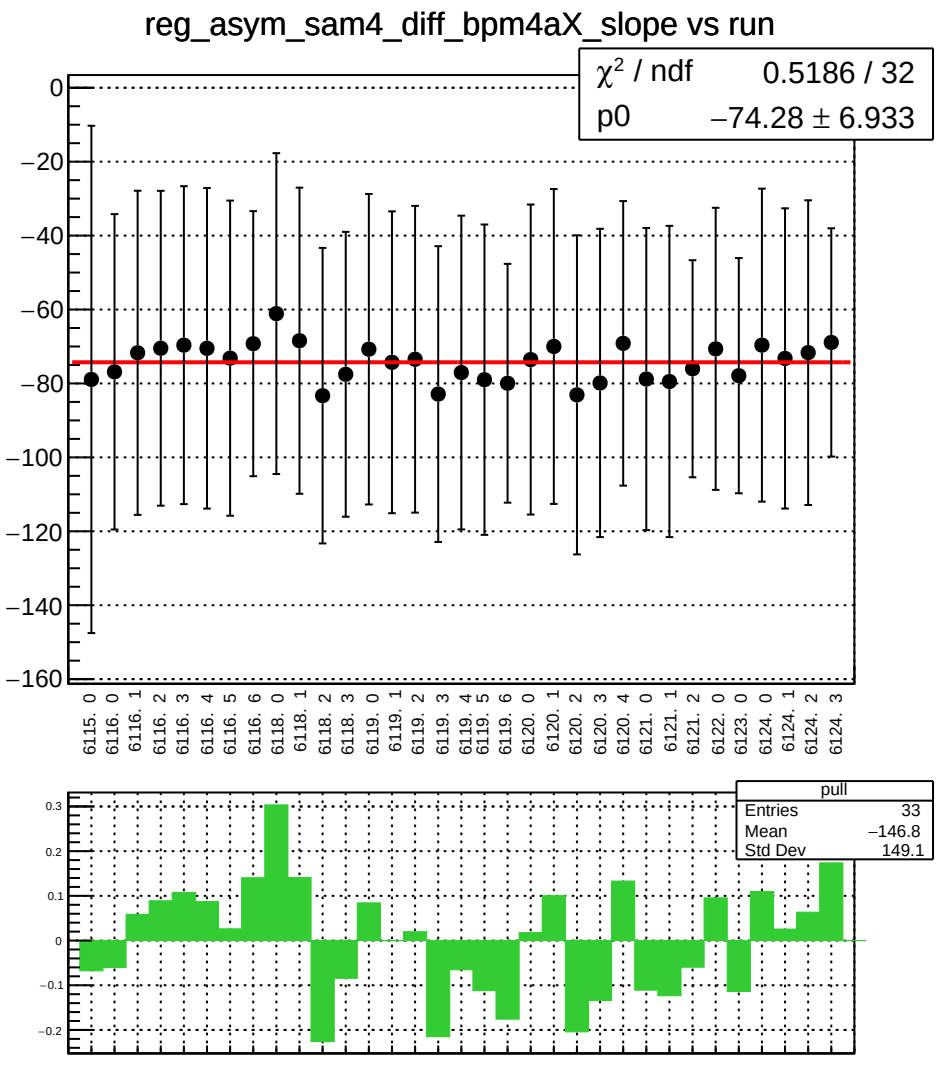

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 0.5296 / 32
p0 −43.89 ± 4.375
0
−10
−20
−30
−40
−50
−60
−70
−80
−90
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −4439
Std Dev 4454
0.2
0.1
0
−0.1
−0.2
−0.3

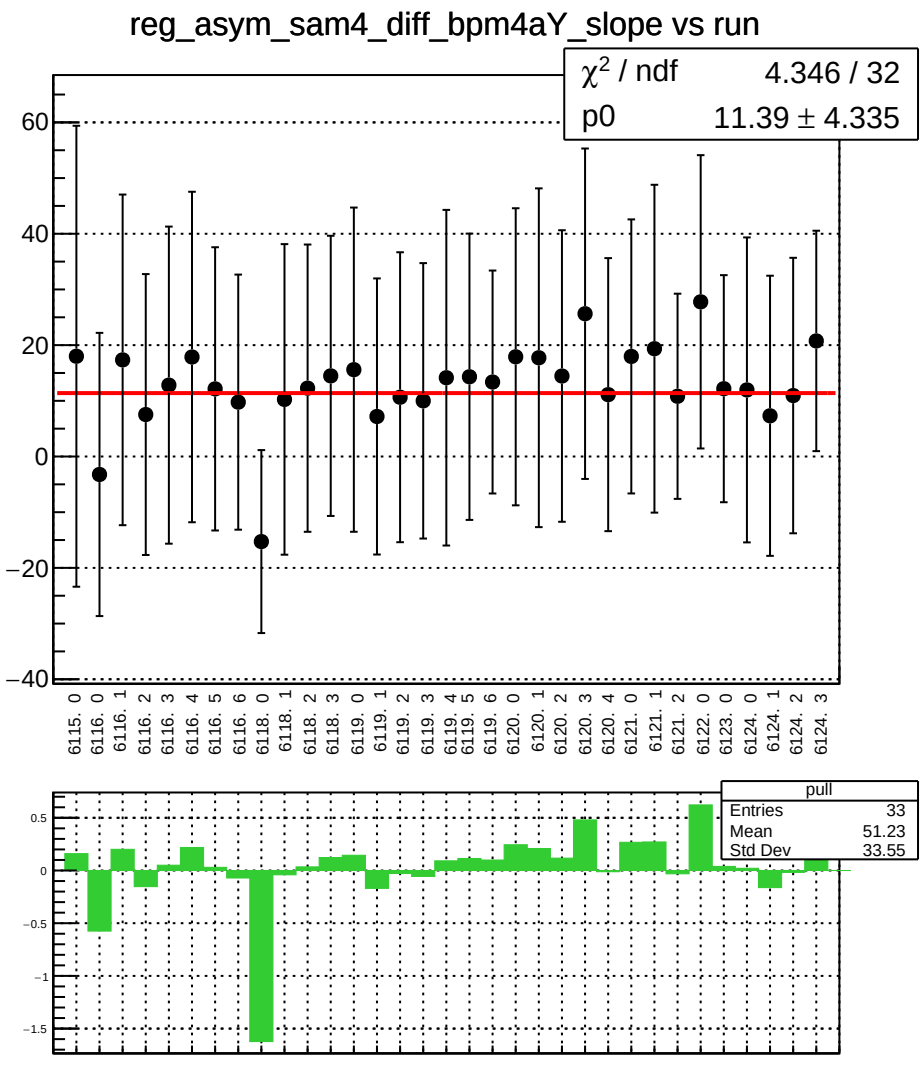

pull1D
Entries 33
Mean −0.0001231
Std Dev 0.1267
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

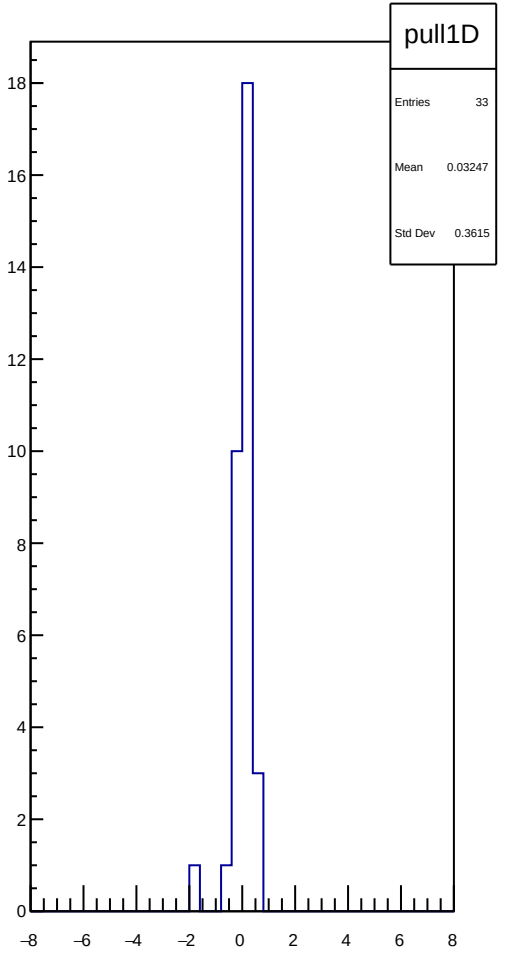

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 2.7 / 32
p0 26.32 ± 2.504
50
40
30
20
10
0
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −357.4
Std Dev 380.5
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 33
Mean 0.003171
Std Dev 0.286
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

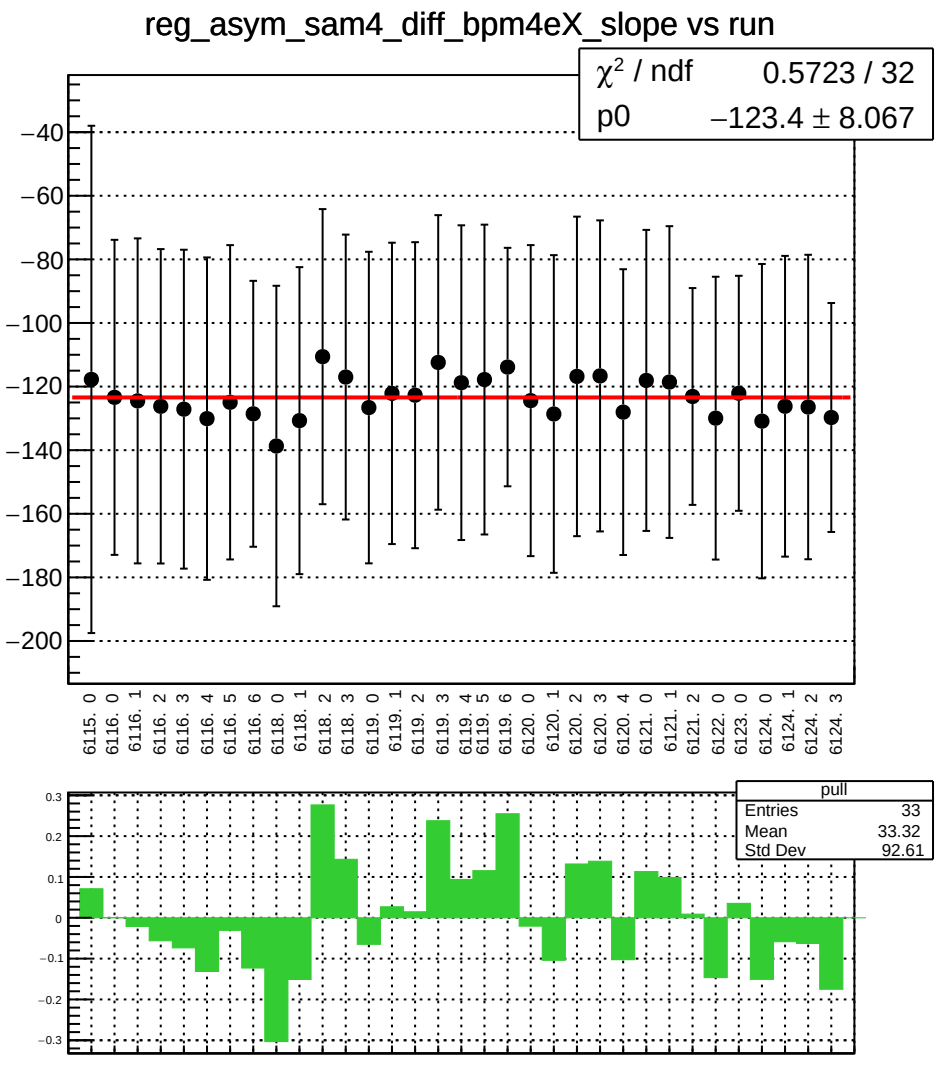

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 0.96 / 32
p0 −0.7757 ± 0.1918
pull
Entries 33
Mean 570.1
Std Dev 557

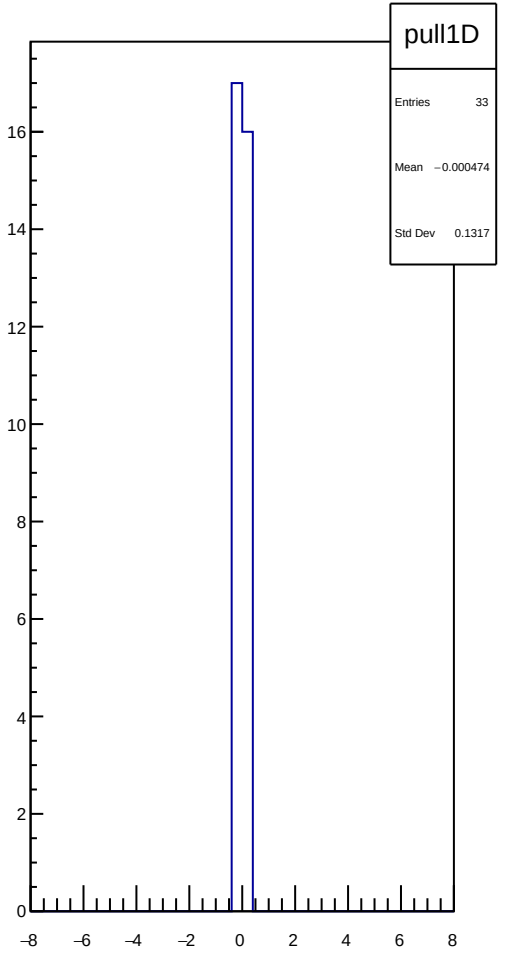

pull1D
Entries 33
Mean −0.00125
Std Dev 0.1706

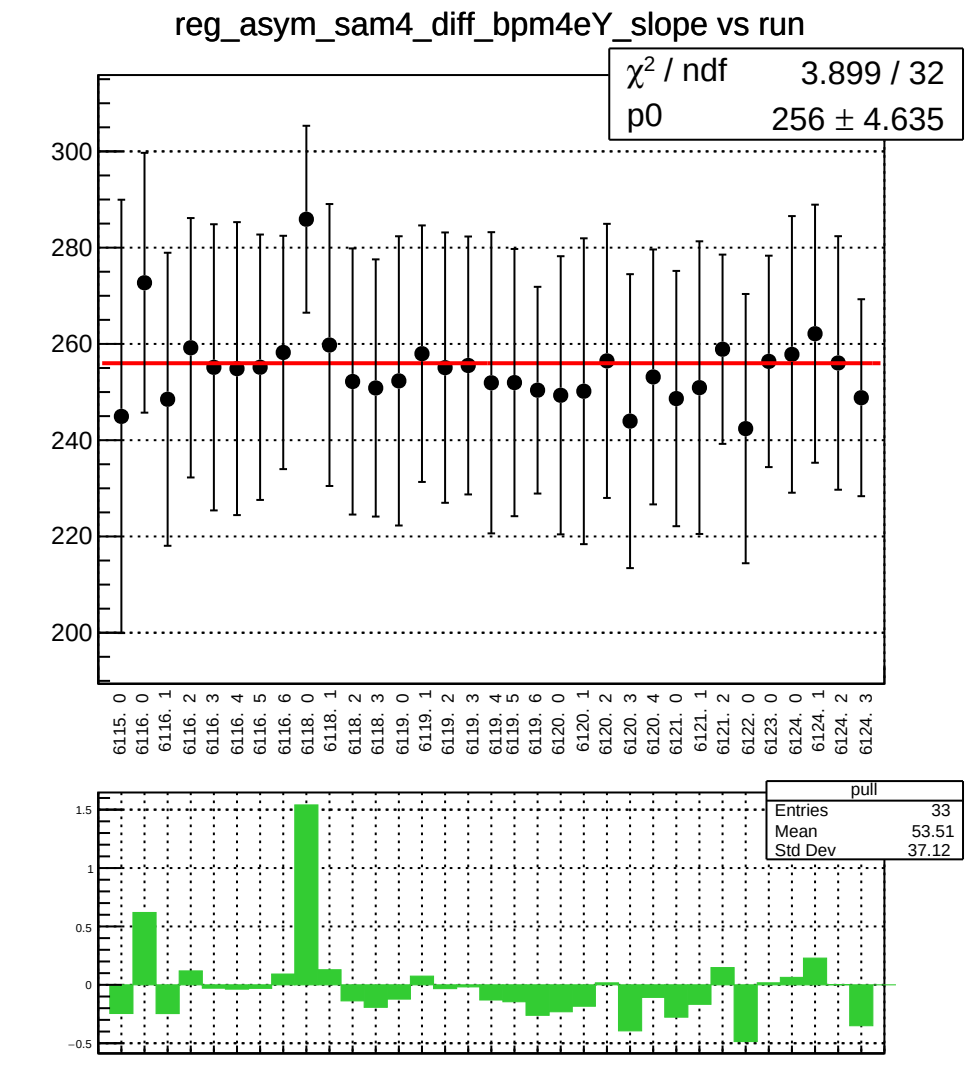

reg_asym_sam4_diff_bpm4aX_slope vs run
χ² / ndf 0.5186 / 32
p0 −74.28 ± 6.933
0
−20
−40
−60
−80
−100
−120
−140
−160
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −146.8
Std Dev 149.1
0.3
0.2
0.1
0
−0.1
−0.2
pull1D
Entries 33
Mean 0.0007171
Std Dev 0.1254
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

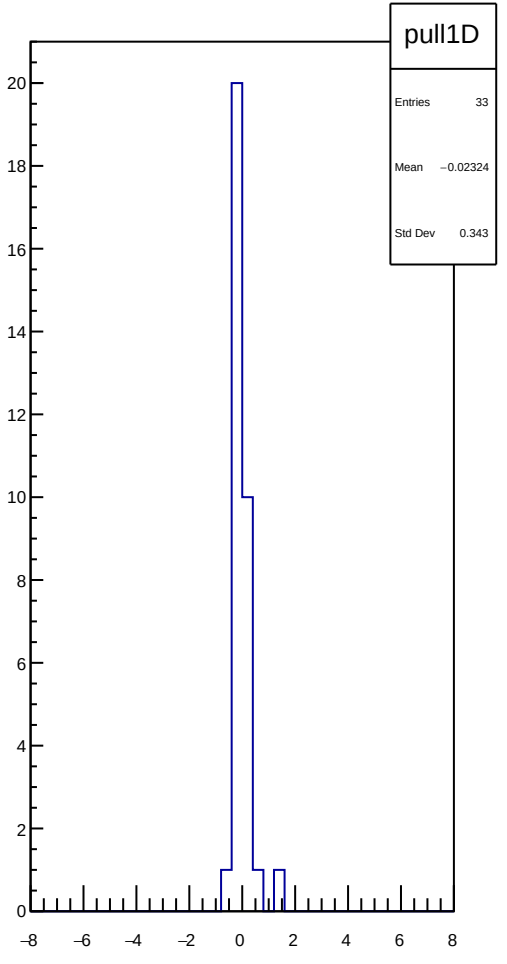

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 4.346 / 32
p0 11.39 ± 4.335
60
40
20
0
−20
−40
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 51.23
Std Dev 33.55
0.5
0
−0.5
−1
−1.5

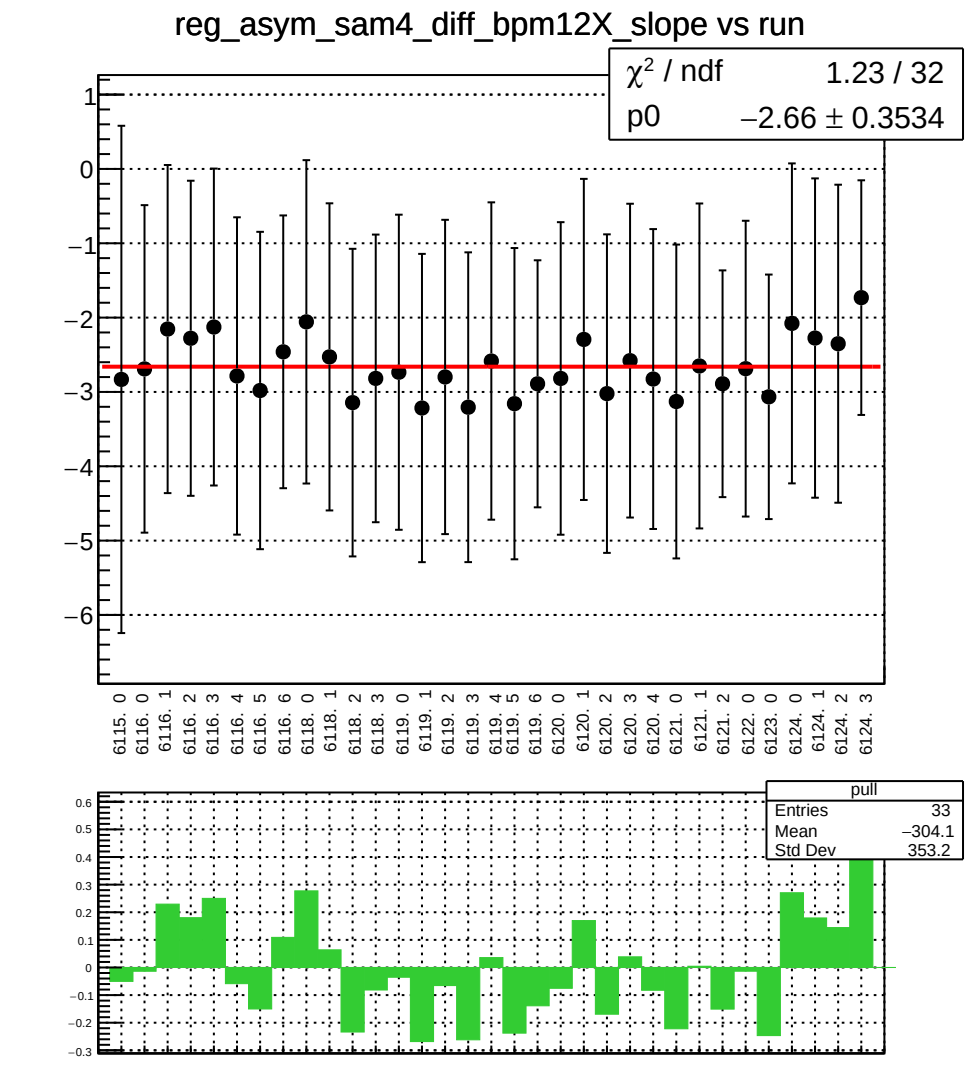

pull1D
Entries 33
Mean 0.03247
Std Dev 0.3615
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

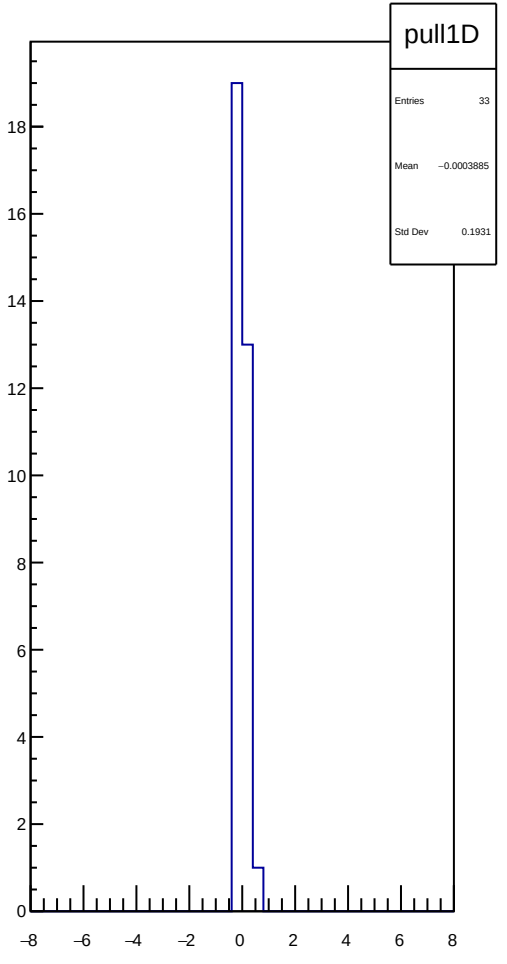

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 0.5723 / 32
p0 −123.4 ± 8.067
−40
−60
−80
−100
−120
−140
−160
−180
−200
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 33.32
Std Dev 92.61
0.3
0.2
0.1
0
−0.1
−0.2
−0.3

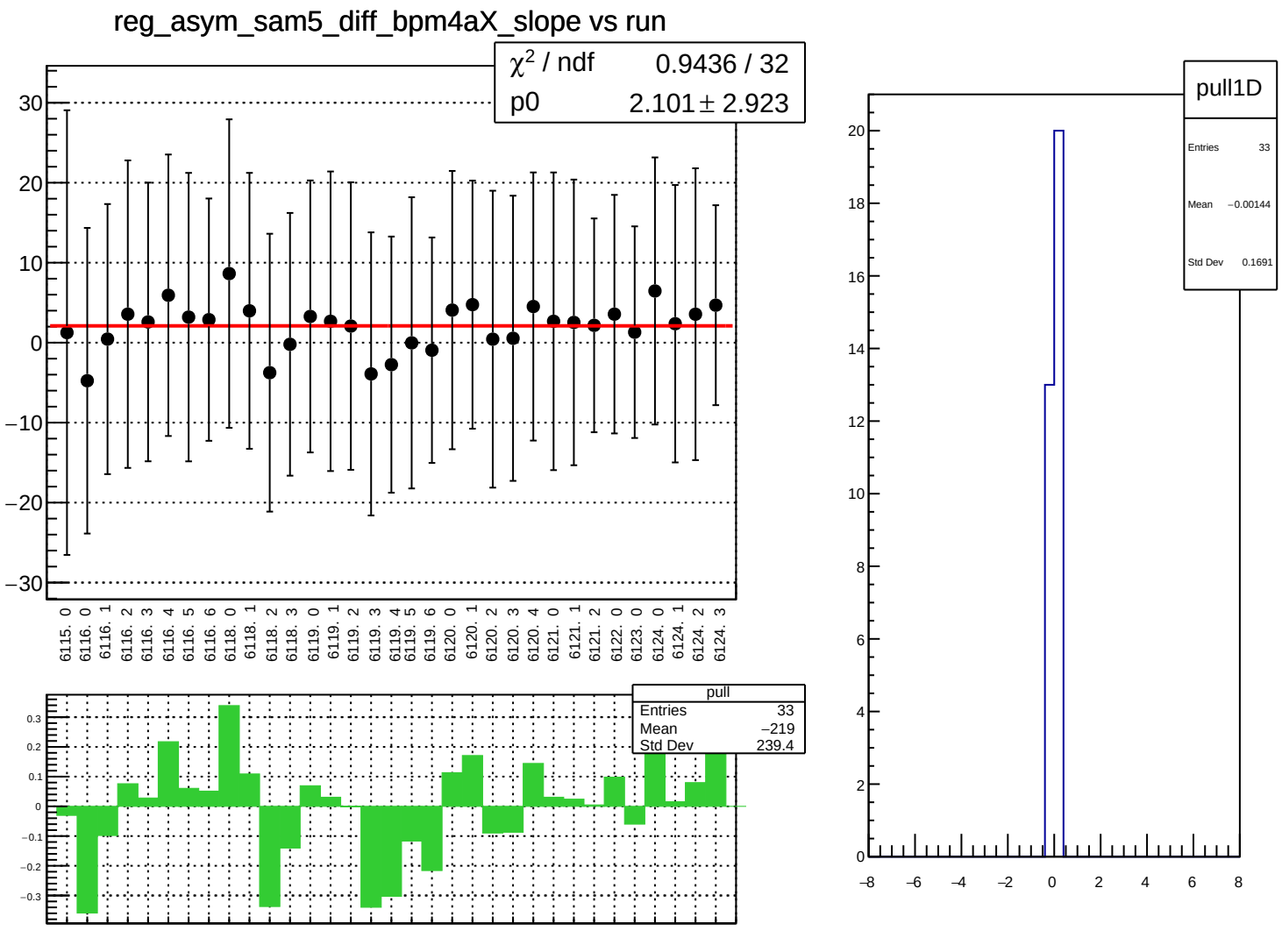

pull1D
Entries 33
Mean −0.000474
Std Dev 0.1317
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

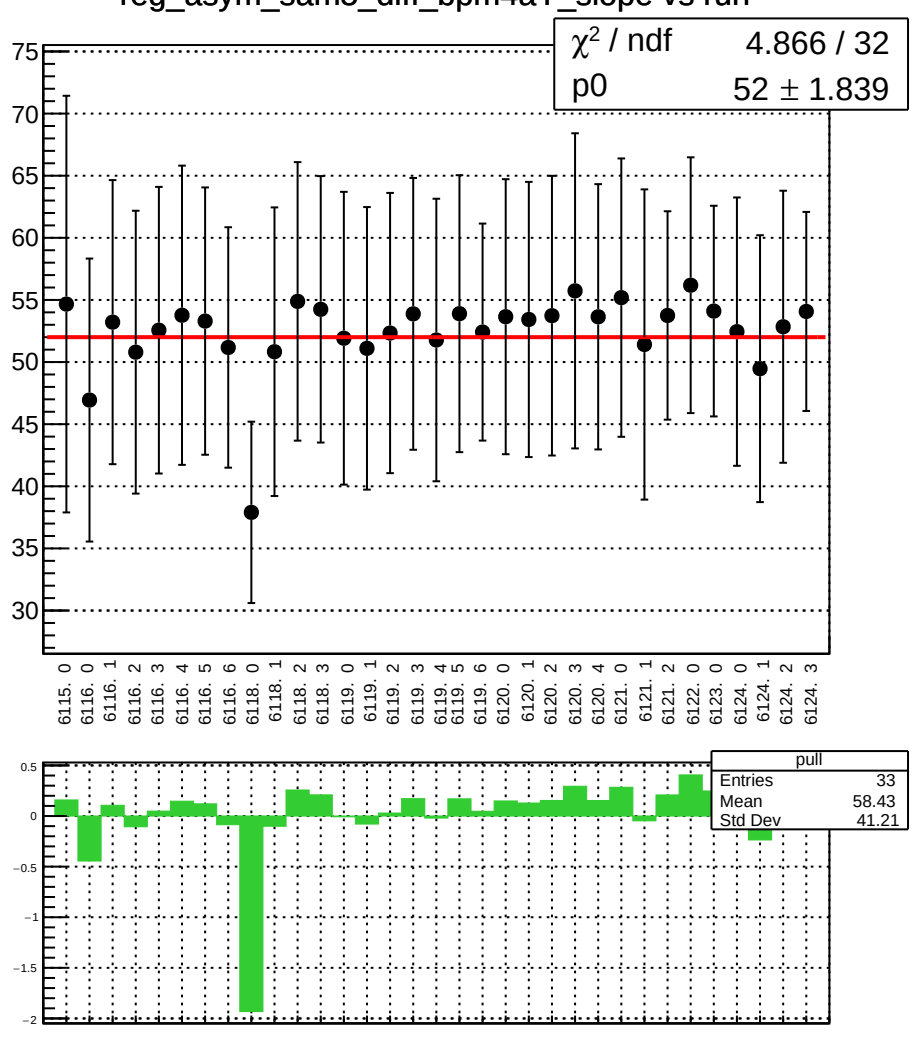

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 3.899 / 32
p0 256 ± 4.635
300
280
260
240
220
200
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 53.51
Std Dev 37.12
1.5
1
0.5
0
−0.5

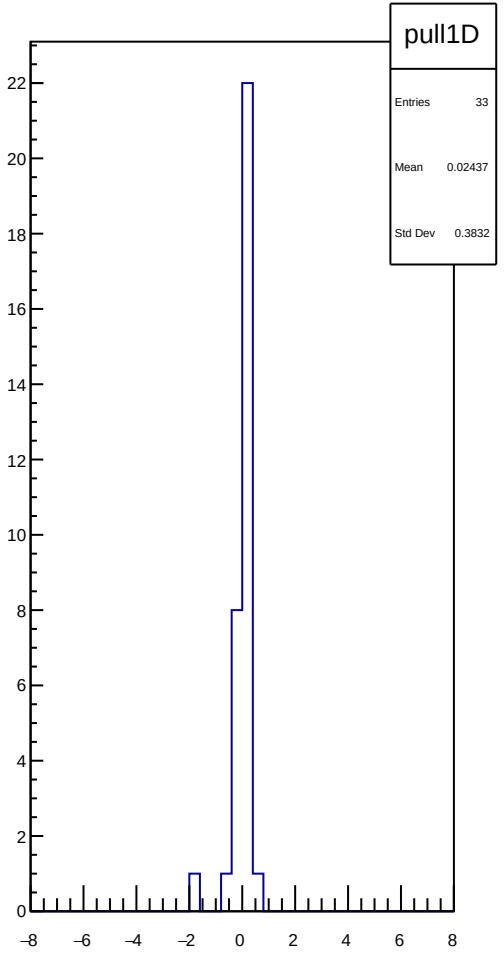

pull1D
Entries 33
Mean −0.02324
Std Dev 0.343
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

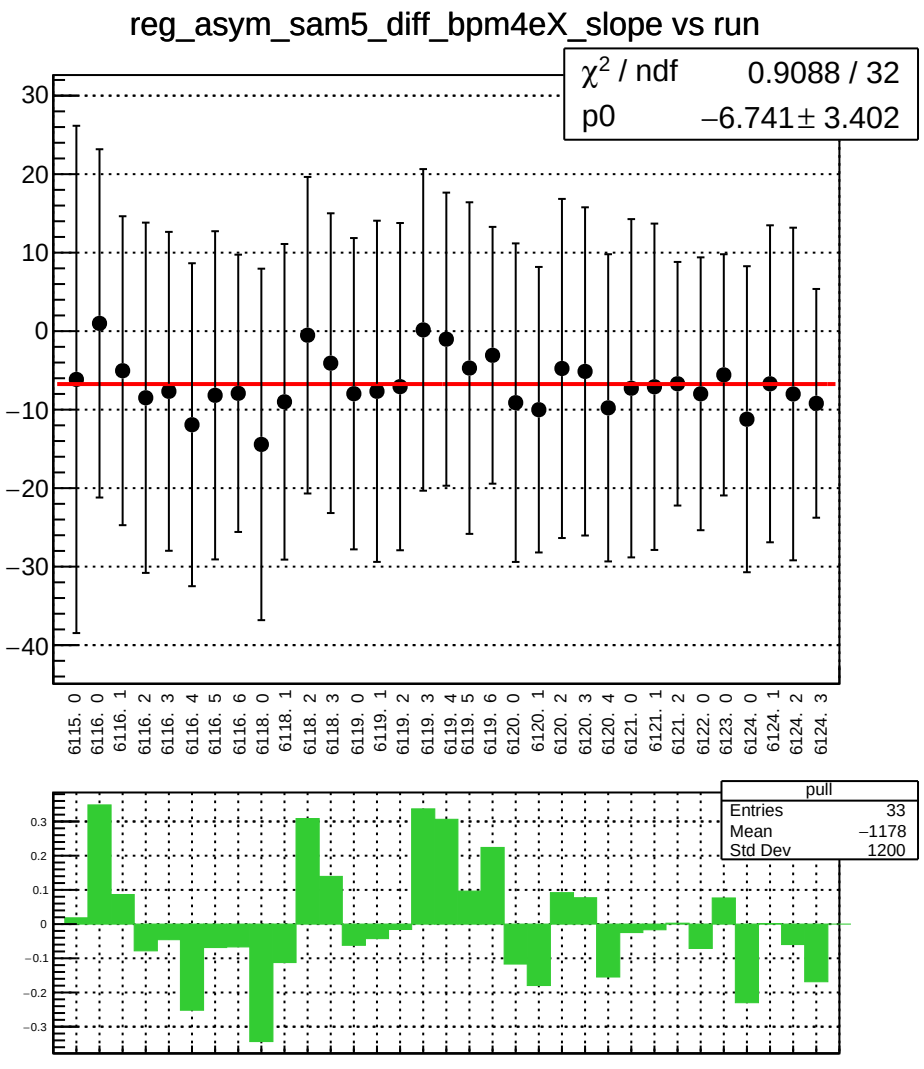

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 1.23 / 32
p0 −2.66 ± 0.3534
1
0
−1
−2
−3
−4
−5
−6
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −304.1
Std Dev 353.2
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3

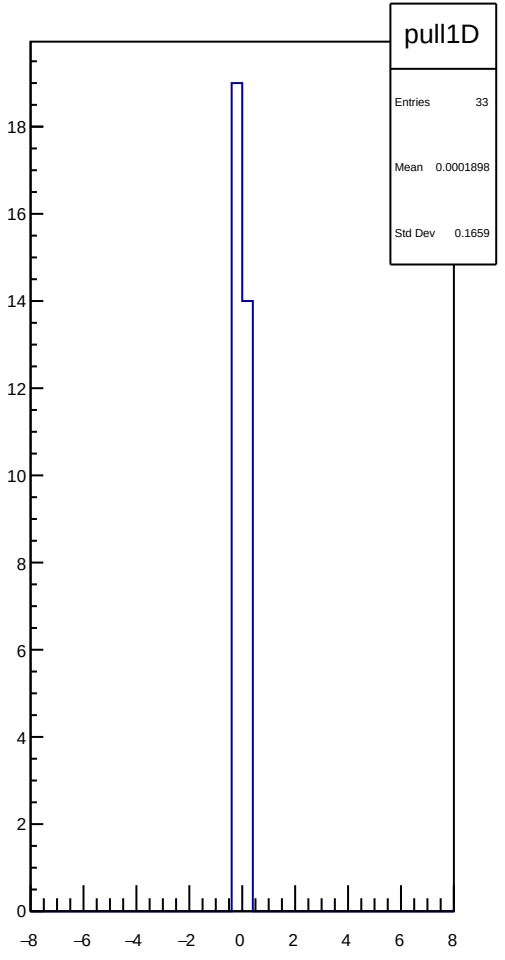

pull1D
Entries 33
Mean −0.0003885
Std Dev 0.1931
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

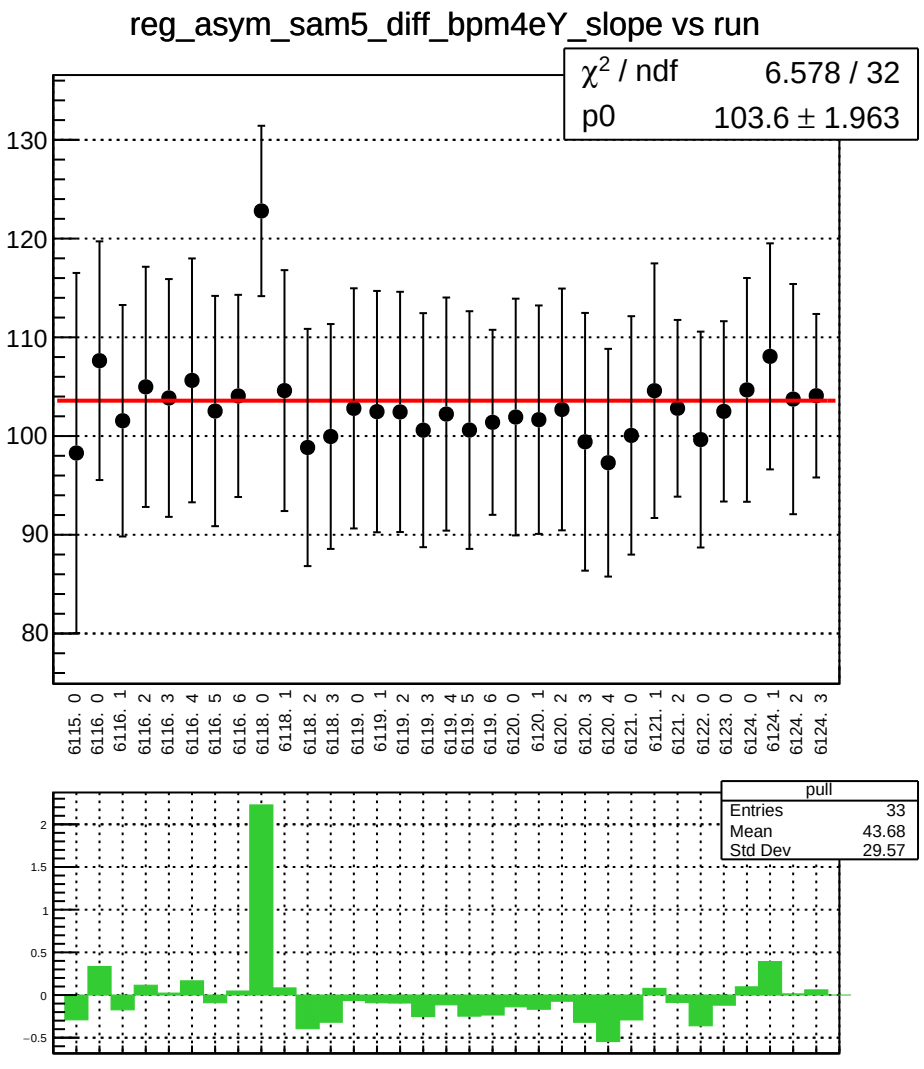

reg_asym_sam5_diff_bpm4aX_slope vs run
χ² / ndf 0.9436 / 32
p0 2.101 ± 2.923
30
20
10
0
−10
−20
−30
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −219
Std Dev 239.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 33
Mean −0.00144
Std Dev 0.1691
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

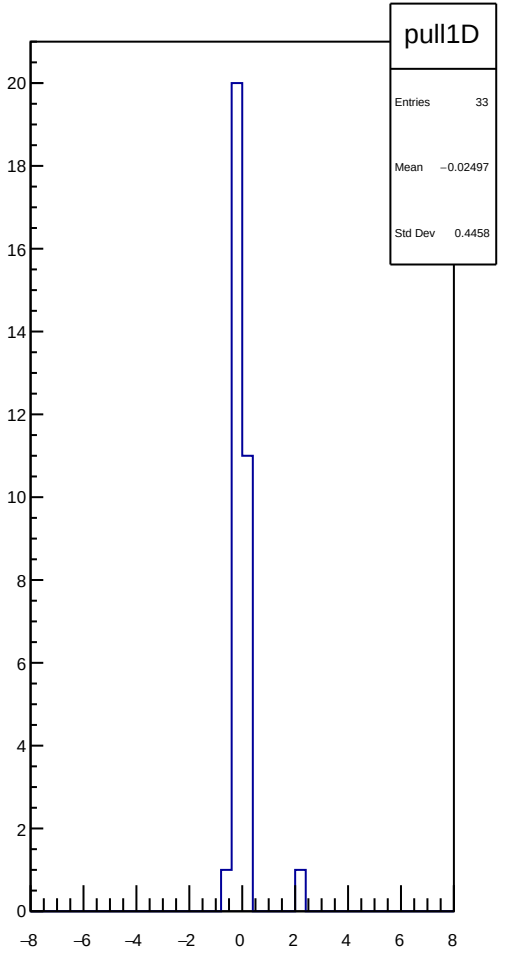

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 4.866 / 32
p0 52 ± 1.839
pull
Entries 33
Mean 58.43
Std Dev 41.21

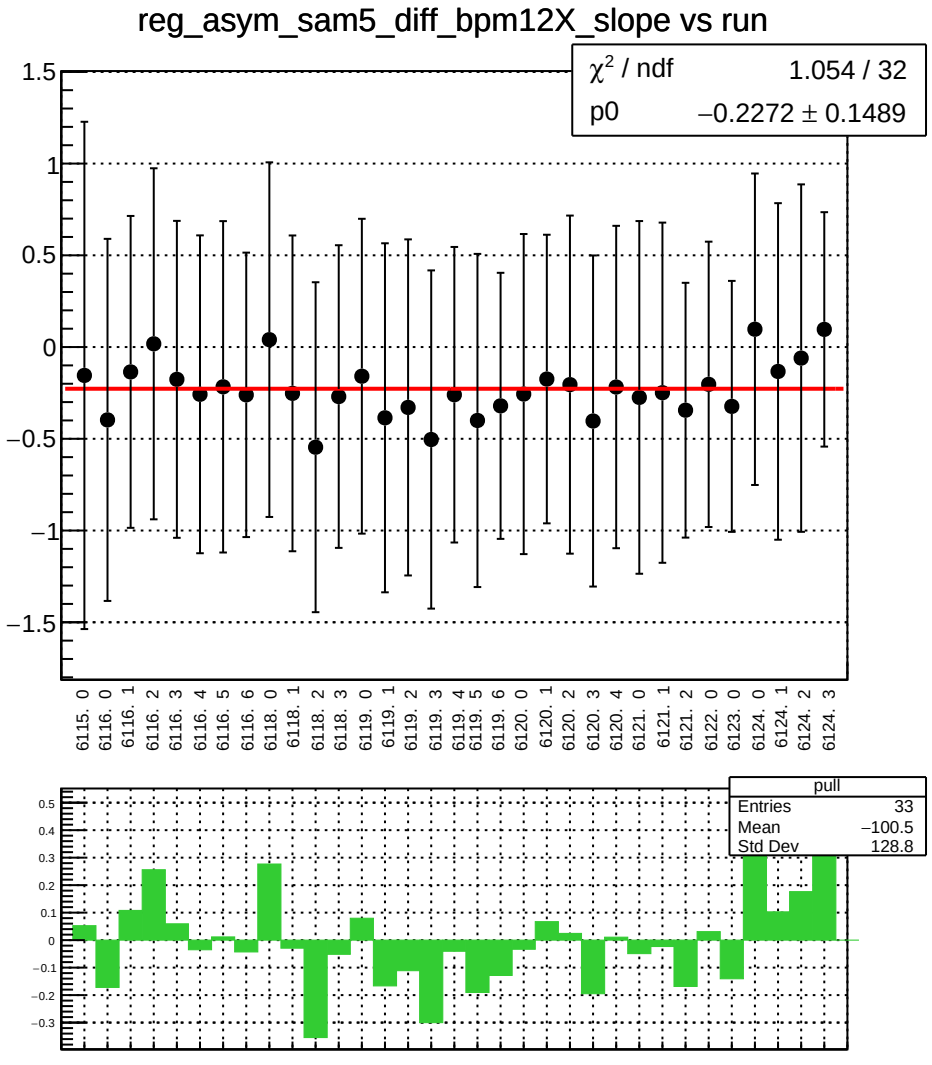

pull1D
Entries 33
Mean 0.02437
Std Dev 0.3832

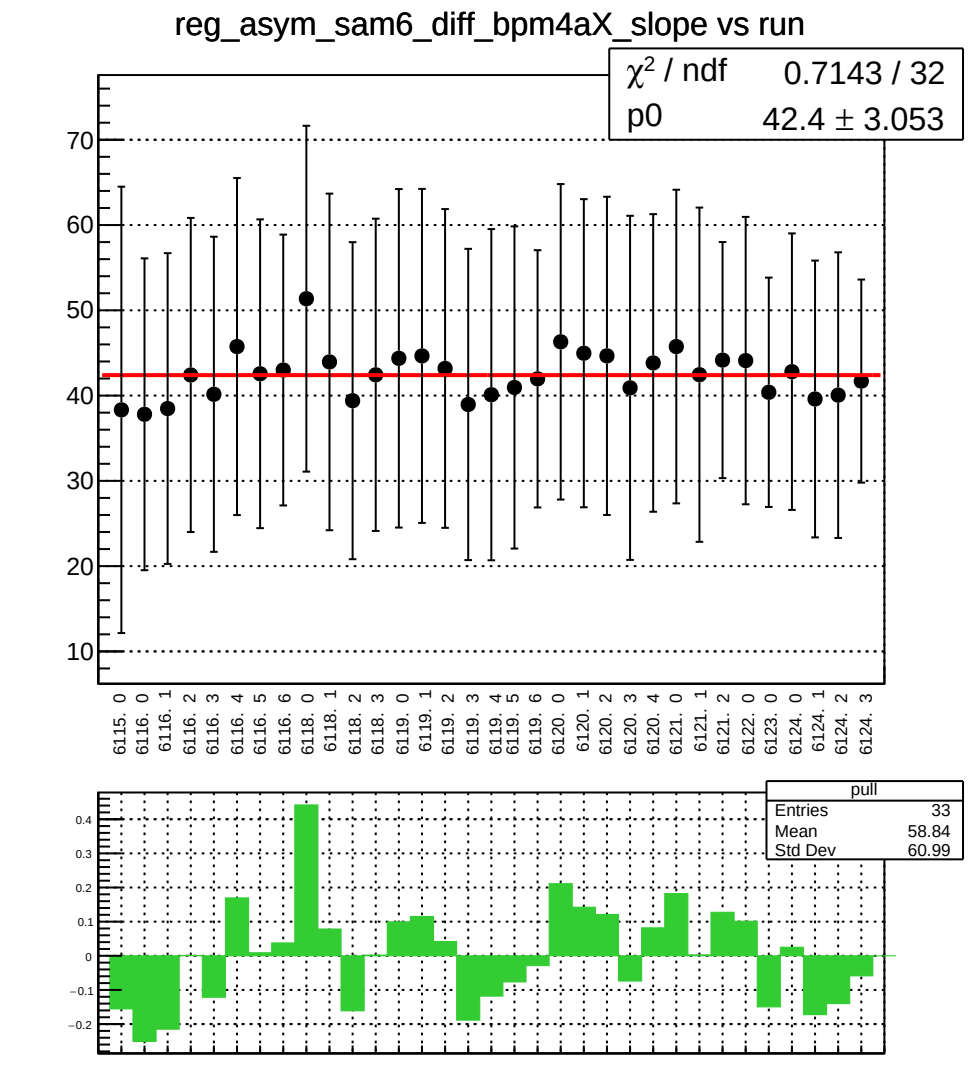

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 0.9088 / 32
p0 −6.741 ± 3.402
30
20
10
0
−10
−20
−30
−40
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −1178
Std Dev 1200
0.3
0.2
0.1
0
−0.1
−0.2
−0.3

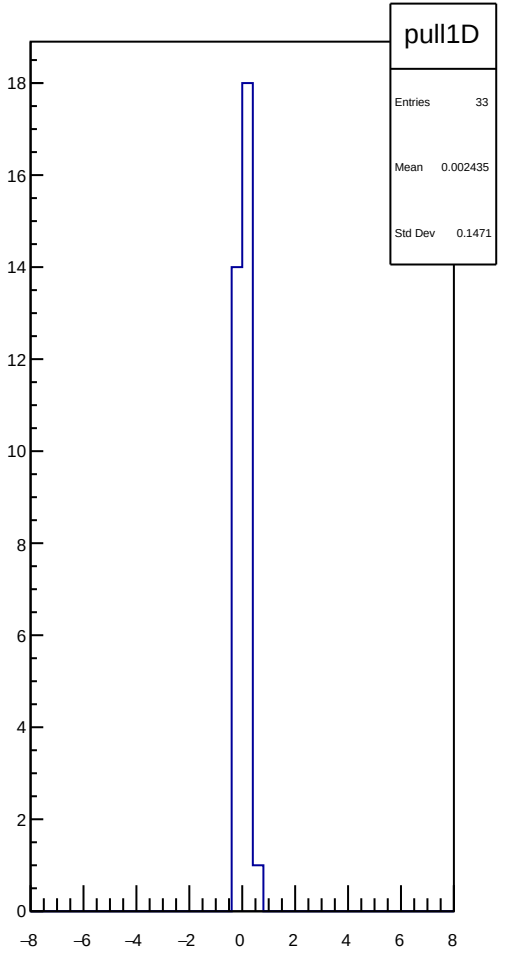

pull1D
Entries 33
Mean 0.0001898
Std Dev 0.1659
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

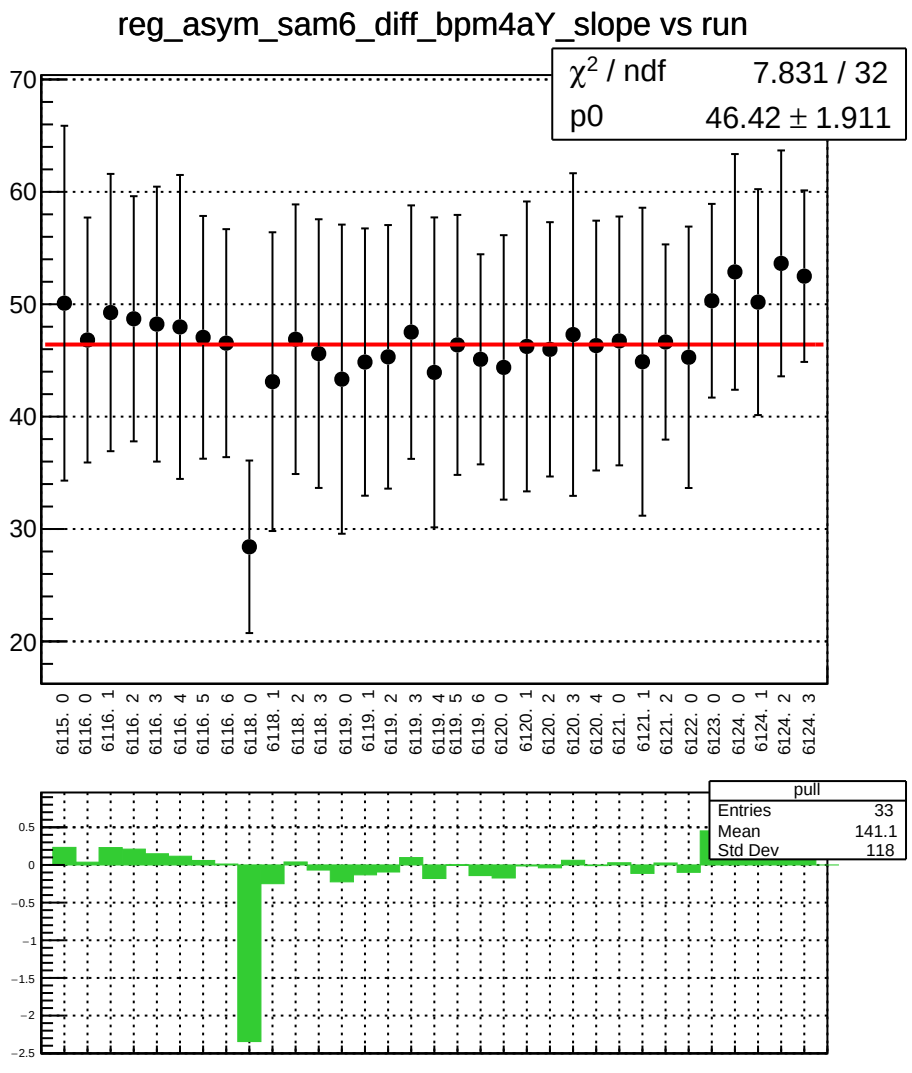

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 6.578 / 32
p0 103.6 ± 1.963
130
120
110
100
90
80
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 43.68
Std Dev 29.57
2
1.5
1
0.5
0
−0.5

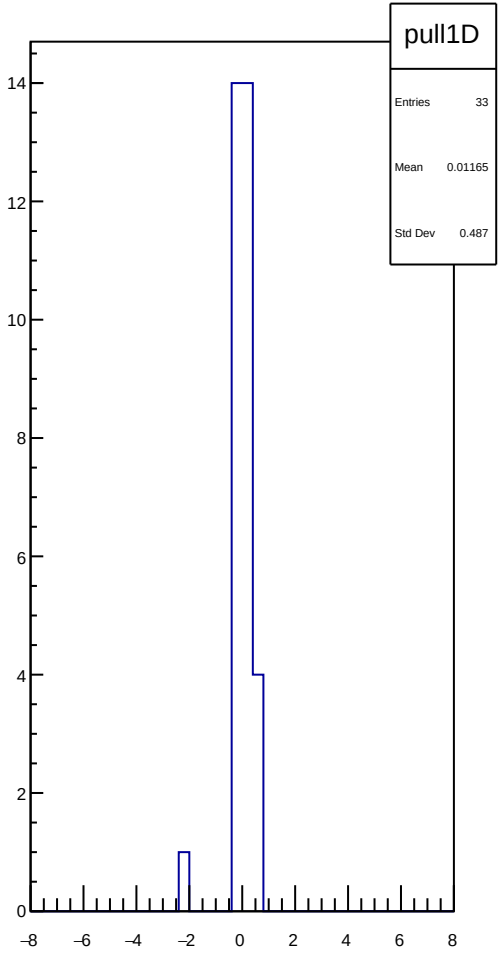

pull1D
Entries 33
Mean −0.02497
Std Dev 0.4458
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

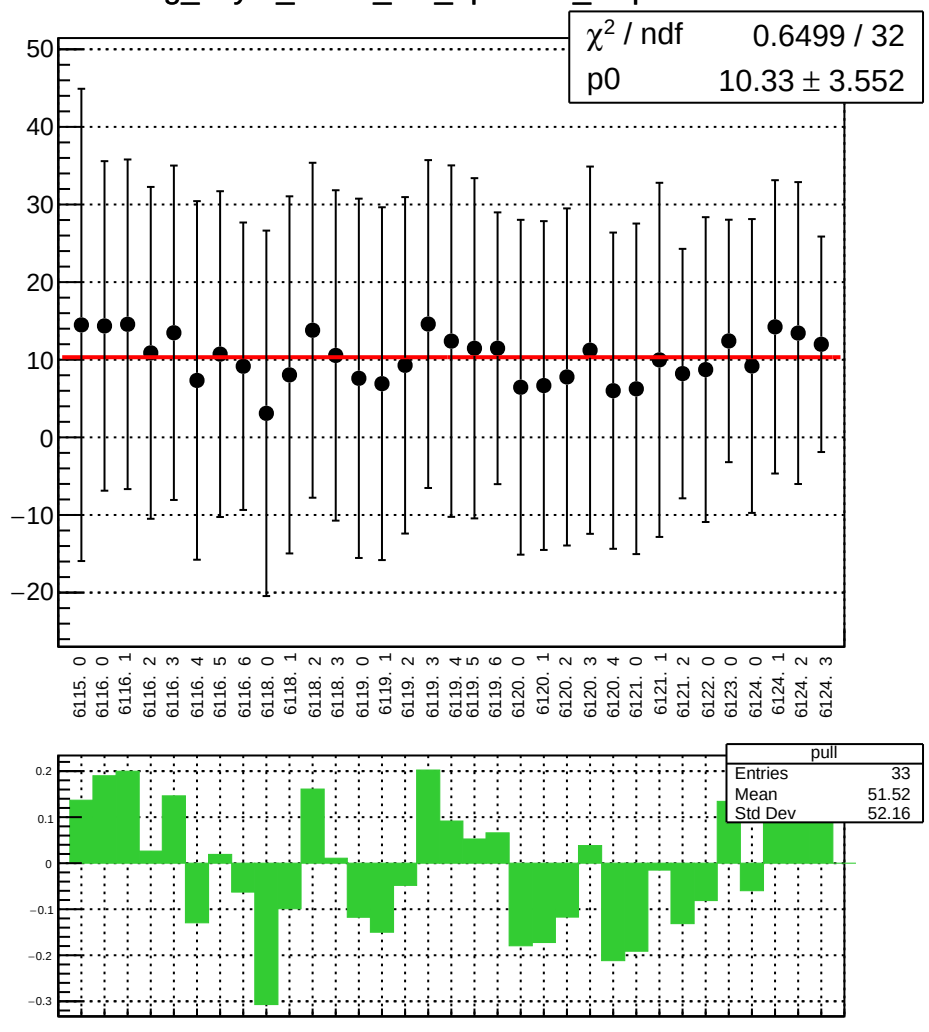

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 1.054 / 32
p0 −0.2272 ± 0.1489
1.5
1
0.5
0
−0.5
−1
−1.5
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −100.5
Std Dev 128.8
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 33
Mean −0.002639
Std Dev 0.1787
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

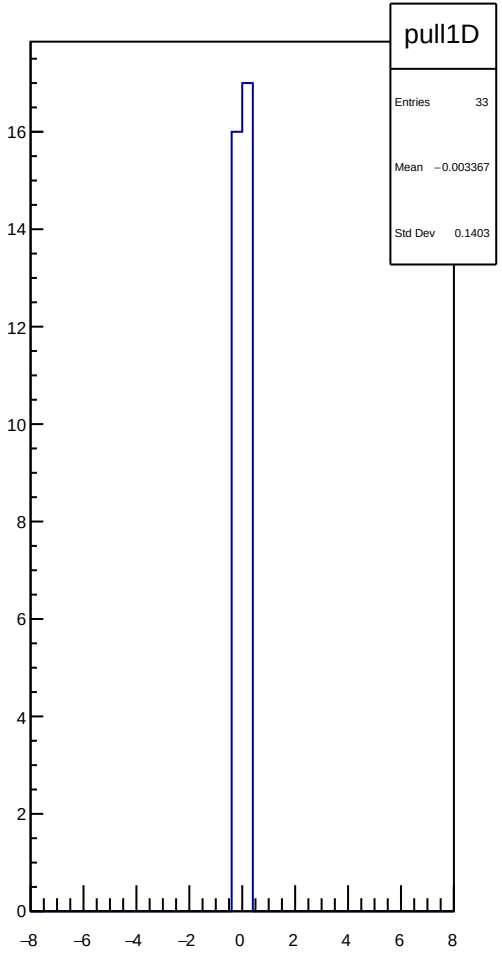

reg_asym_sam6_diff_bpm4aX_slope vs run
χ² / ndf 0.7143 / 32
p0 42.4 ± 3.053
70
60
50
40
30
20
10
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 58.84
Std Dev 60.99
0.4
0.3
0.2
0.1
0
−0.1
−0.2

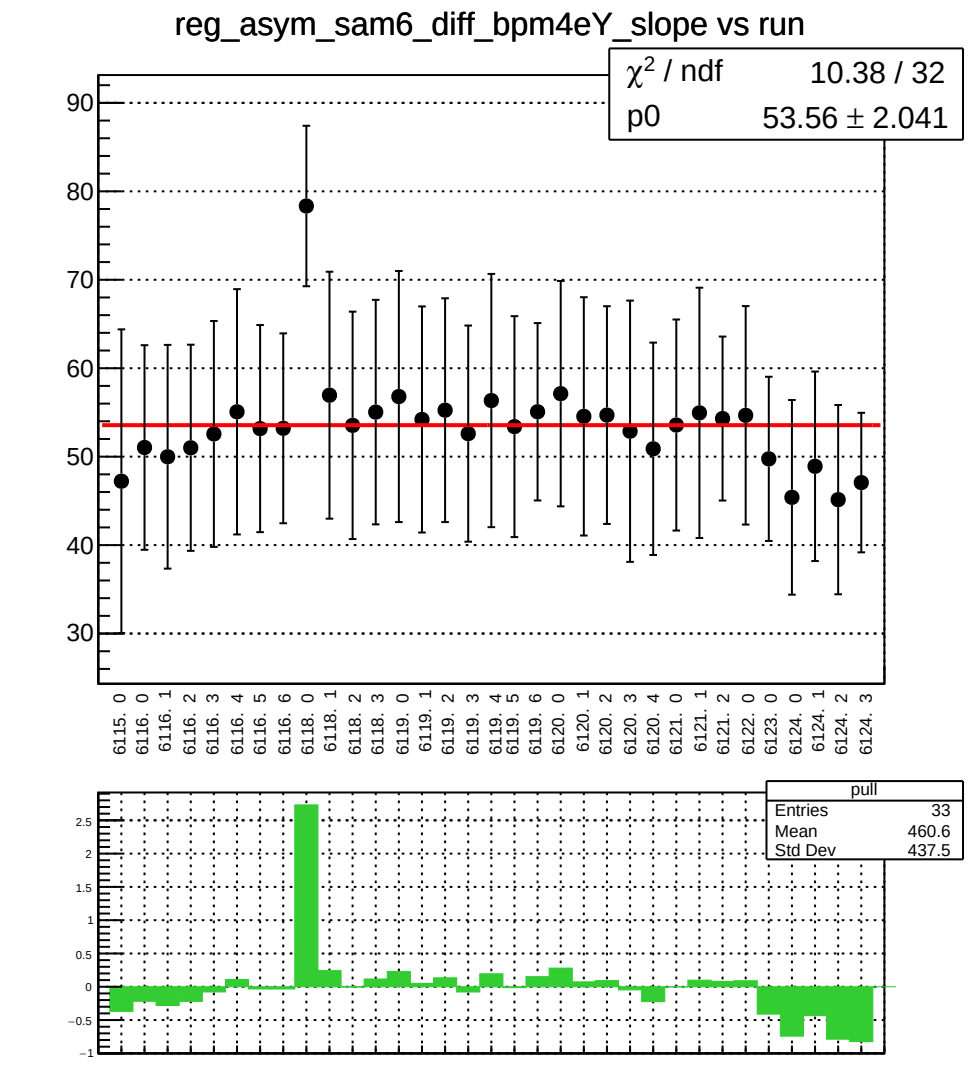

pull1D
Entries 33
Mean 0.002435
Std Dev 0.1471
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

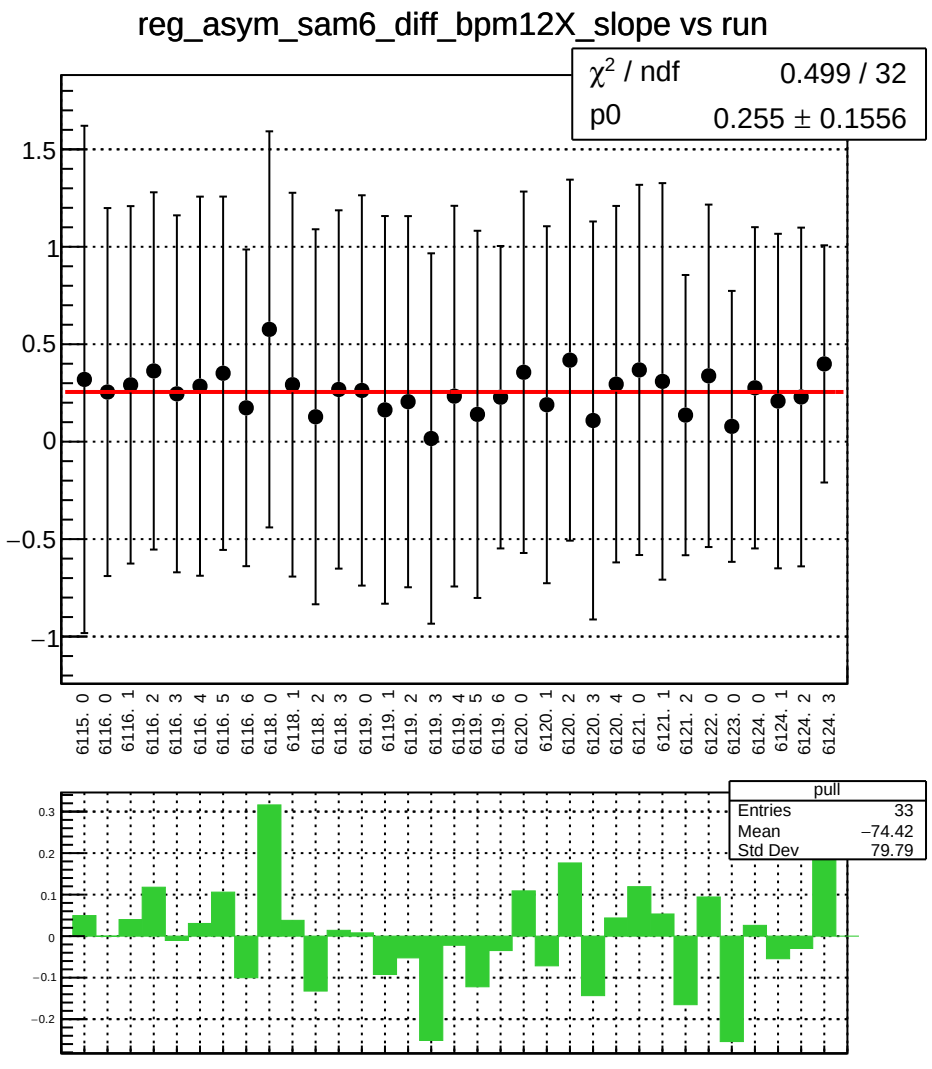

reg_asym_sam6_diff_bpm4aY_slope vs run
χ^2 / ndf 7.831 / 32
p0 46.42 ± 1.911
70
60
50
40
30
20
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 141.1
Std Dev 118
0.5
0
−0.5
−1
−1.5
−2
−2.5

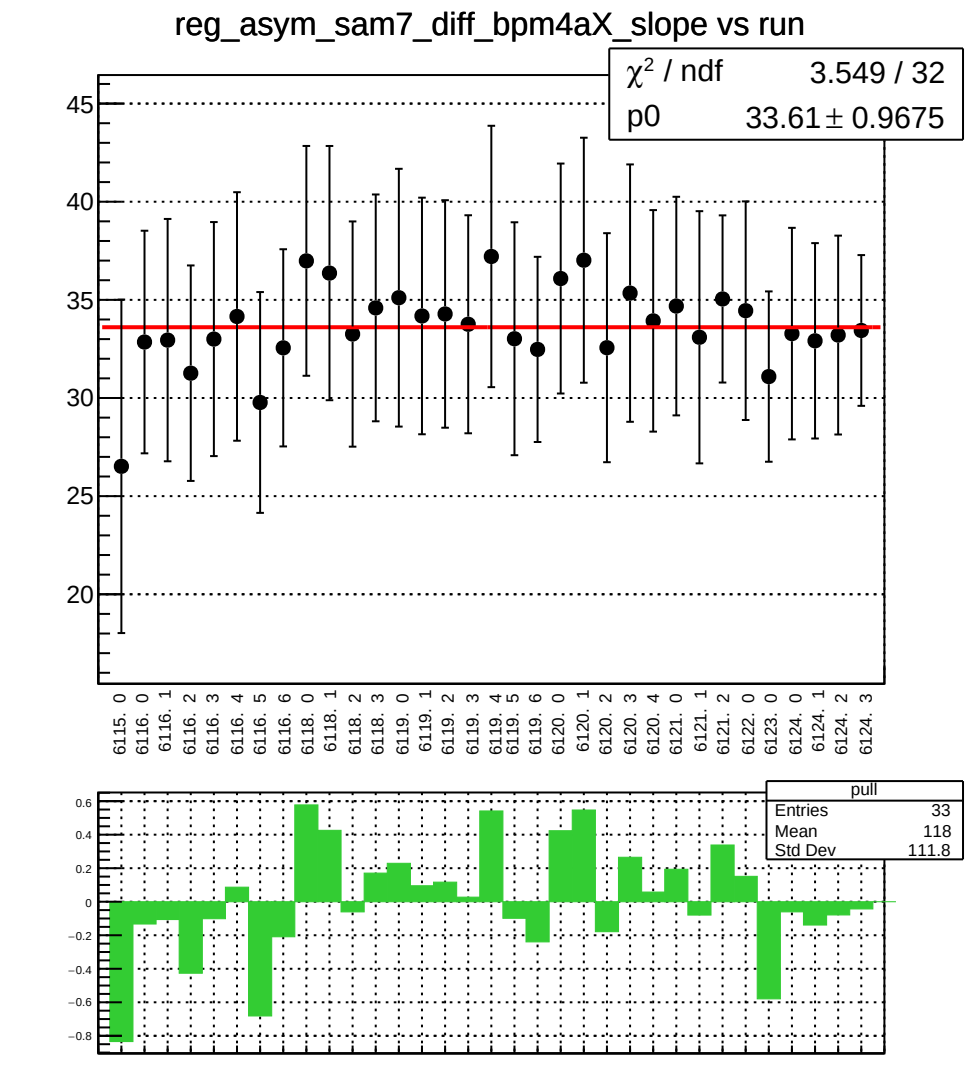

pull1D
Entries 33
Mean 0.01165
Std Dev 0.487
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

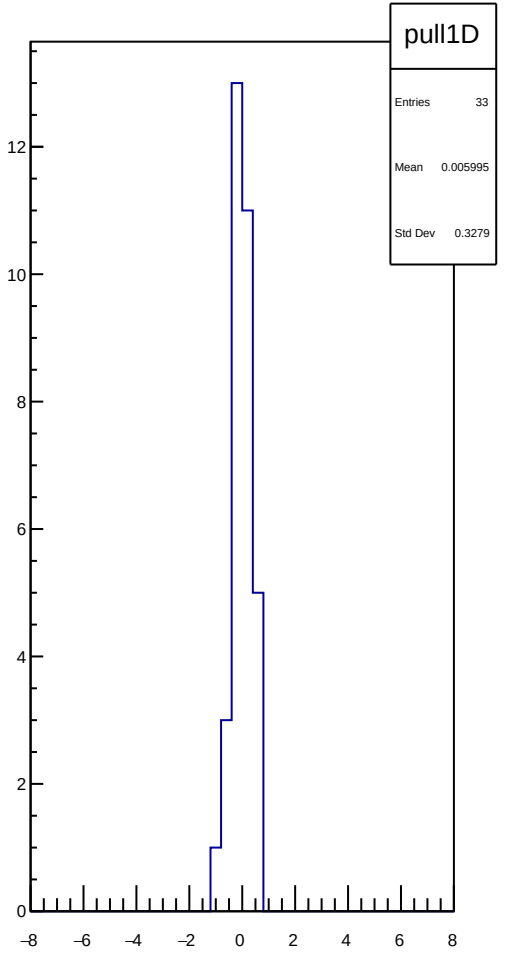

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 0.6499 / 32
p0 10.33 ± 3.552
50
40
30
20
10
0
−10
−20
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 51.52
Std Dev 52.16
0.2
0.1
0
−0.1
−0.2
−0.3

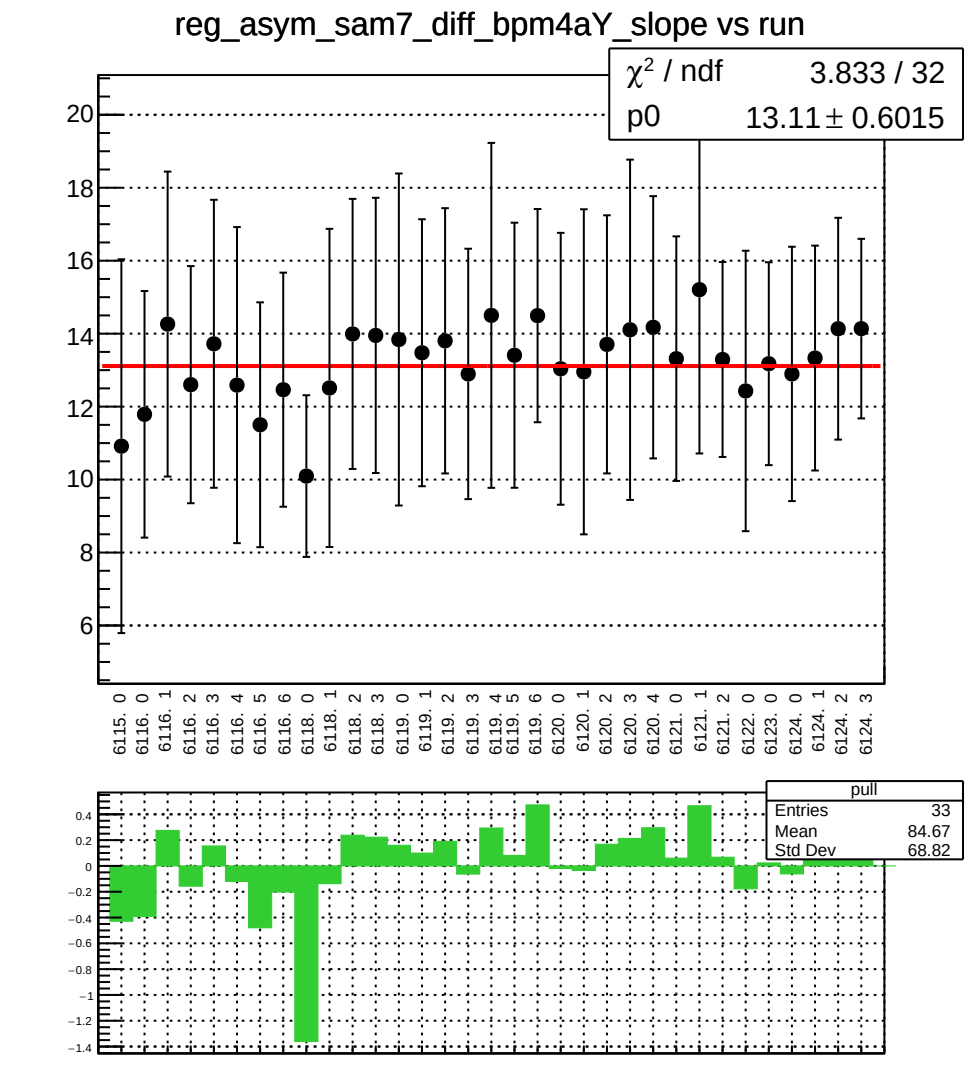

pull1D
Entries 33
Mean −0.003367
Std Dev 0.1403
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

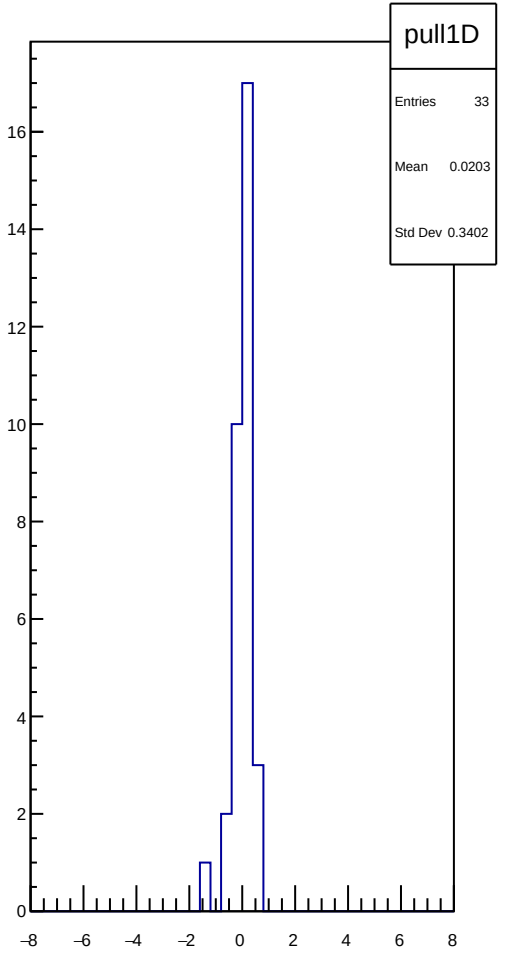

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 10.38 / 32
p0 53.56 ± 2.041
90
80
70
60
50
40
30
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 460.6
Std Dev 437.5
2.5
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 33
Mean −0.003541
Std Dev 0.5607
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

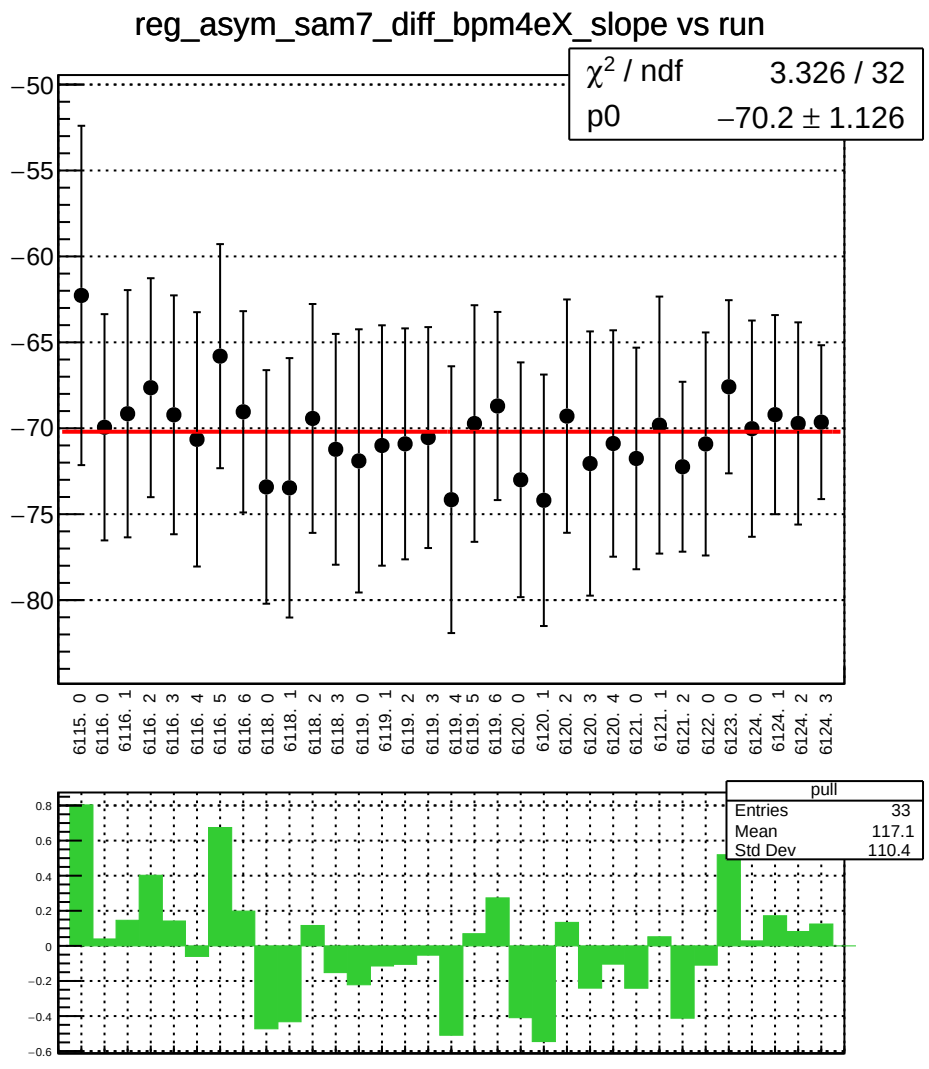

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 0.499 / 32
p0 0.255 ± 0.1556
1.5
1
0.5
0
−0.5
−1
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −74.42
Std Dev 79.79
0.3
0.2
0.1
0
−0.1
−0.2
pull1D
Entries 33
Mean 0.001282
Std Dev 0.123
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

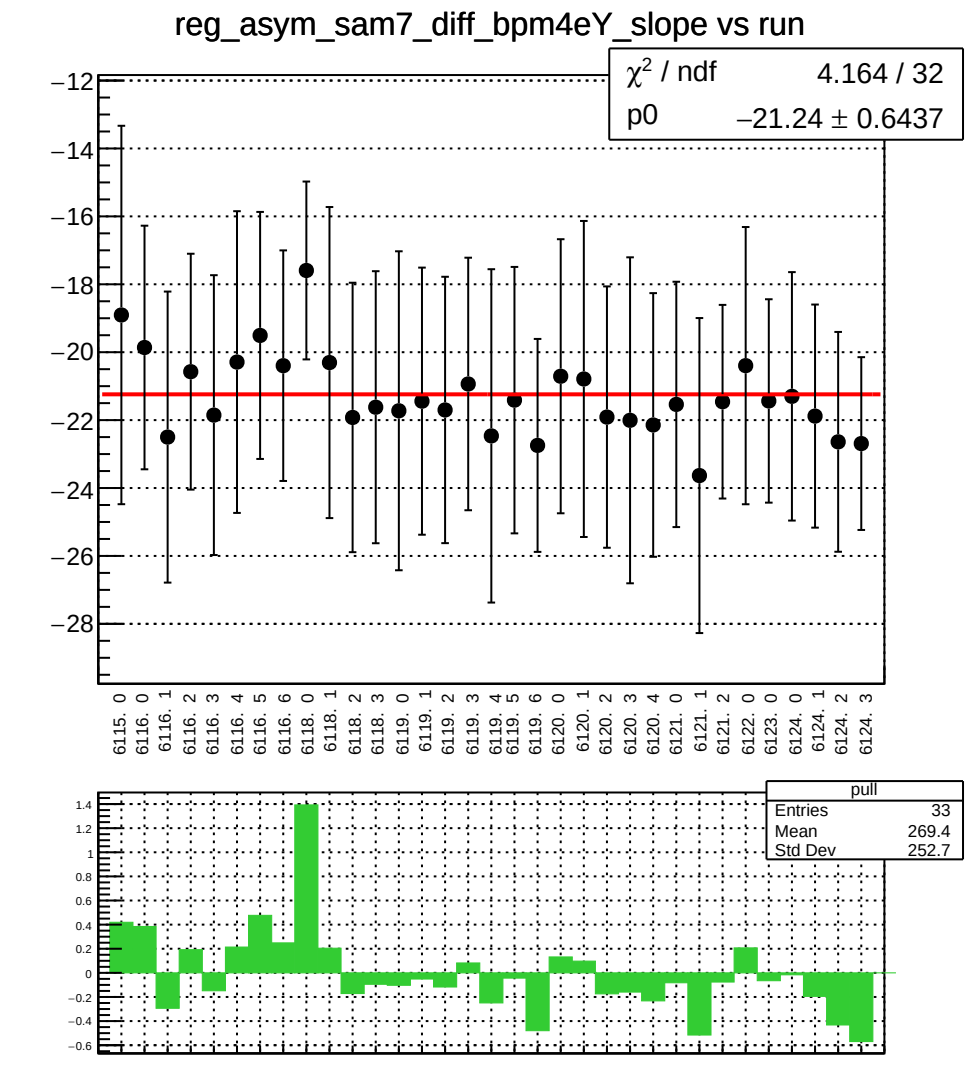

reg_asym_sam7_diff_bpm4aX_slope vs run
χ² / ndf 3.549 / 32
p0 33.61 ± 0.9675
45
40
35
30
25
20
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 118
Std Dev 111.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

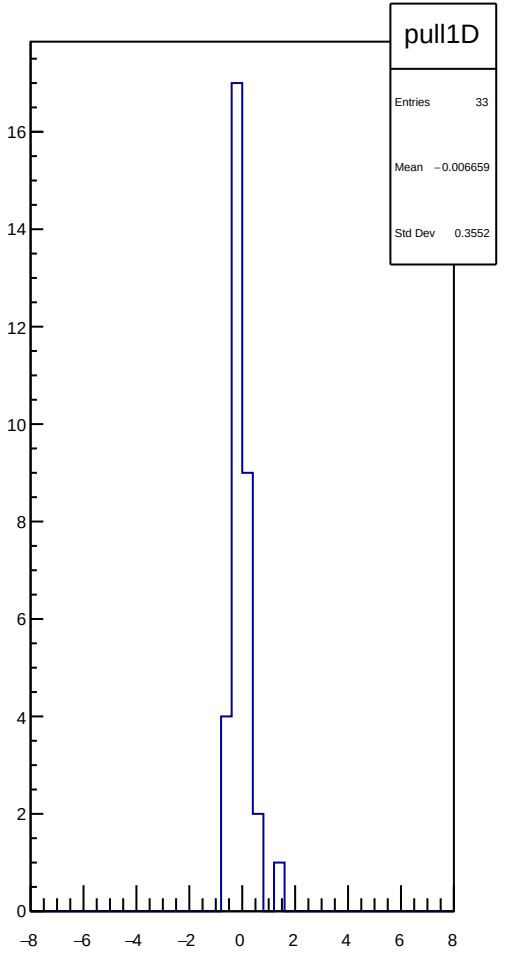

pull1D
Entries 33
Mean 0.005995
Std Dev 0.3279
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

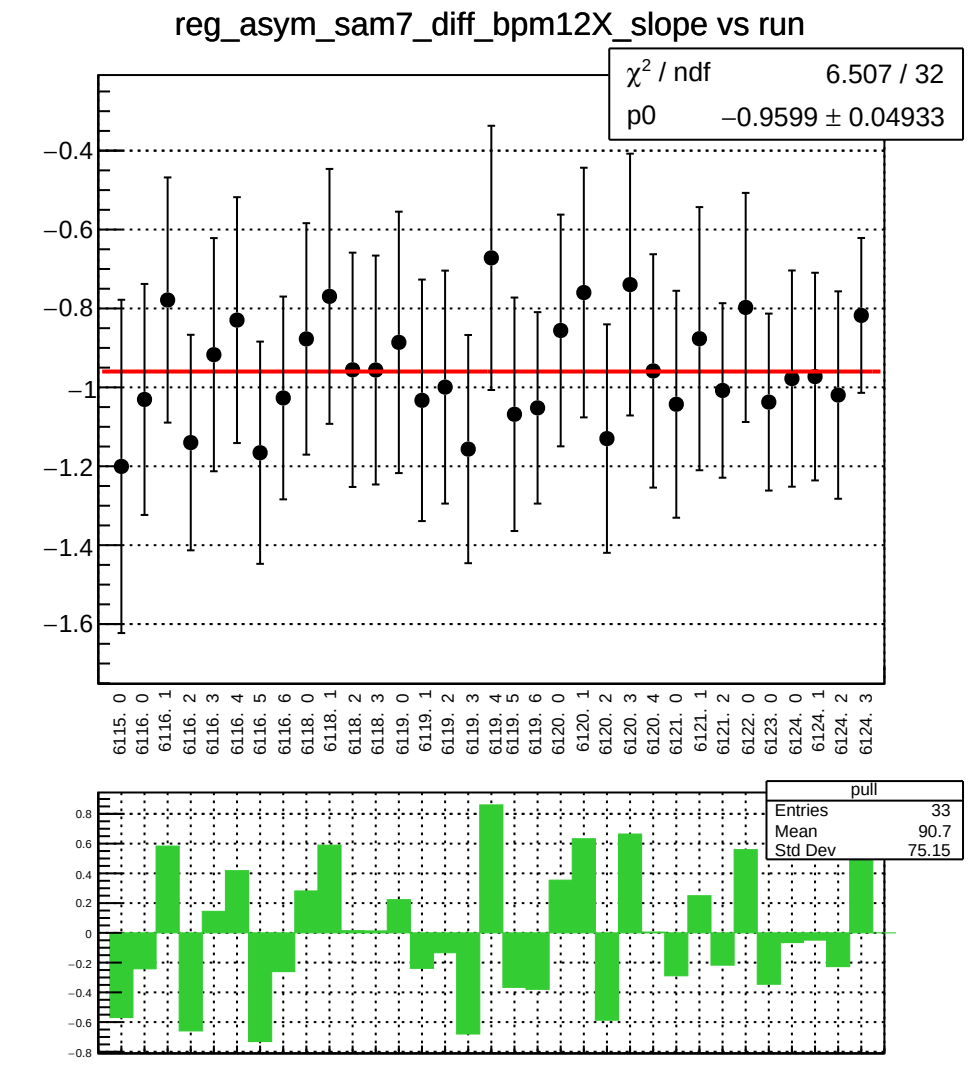

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 3.833 / 32
p0 13.11 ± 0.6015
pull
Entries 33
Mean 84.67
Std Dev 68.82
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

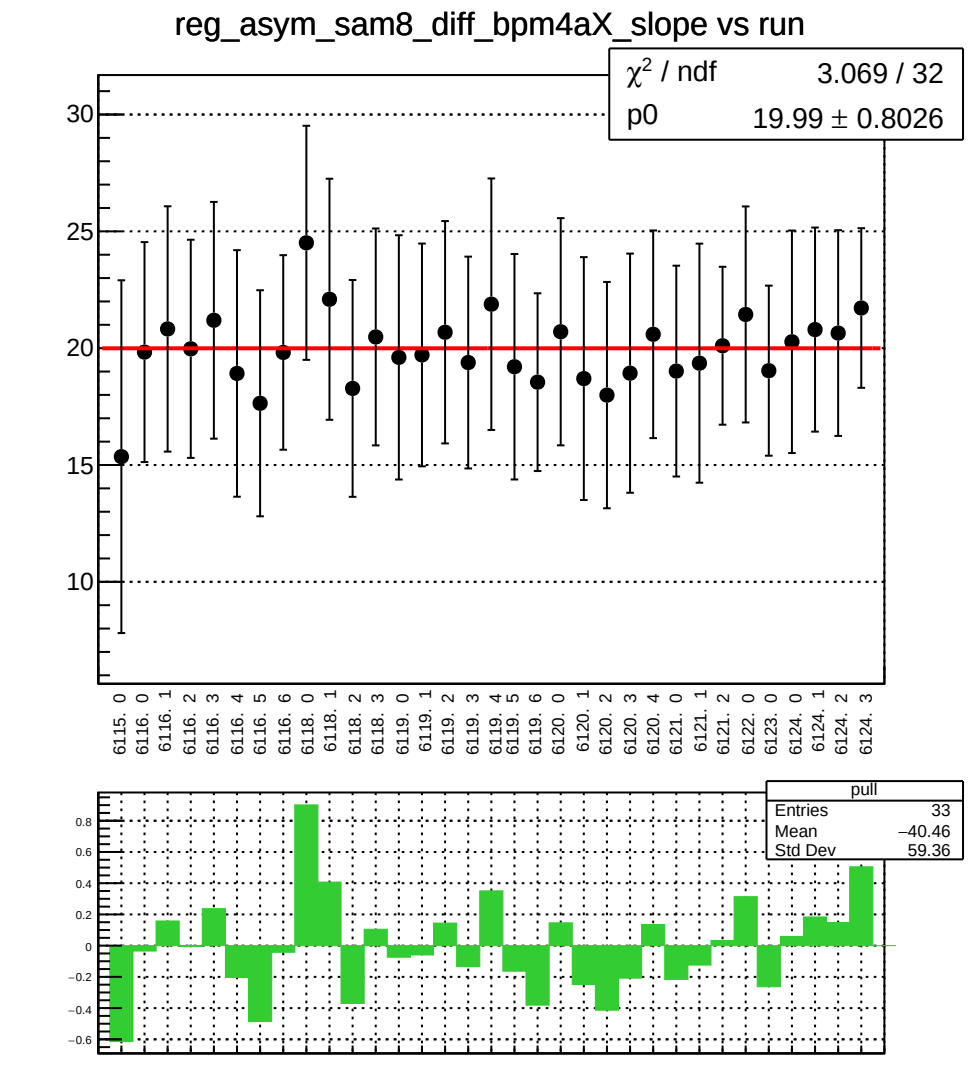

pull1D
Entries 33
Mean 0.0203
Std Dev 0.3402

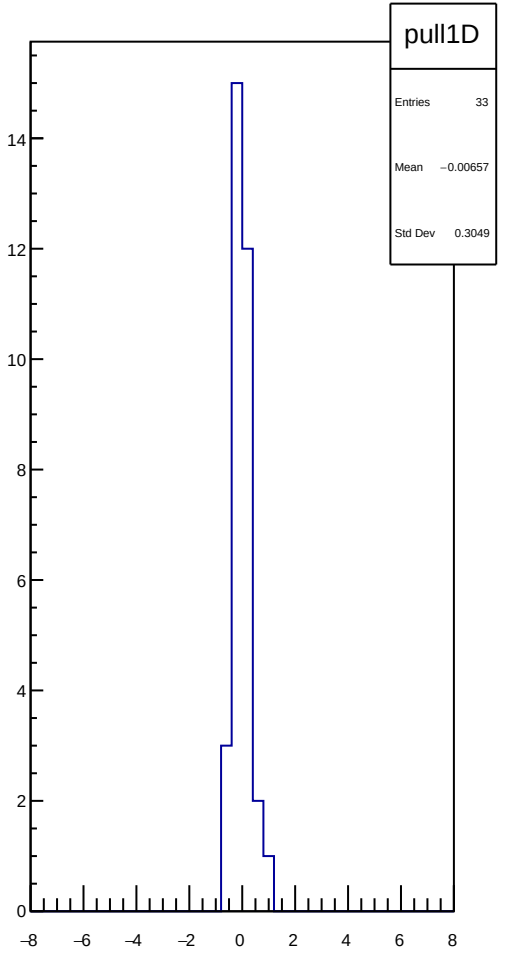

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 3.326 / 32
p0 −70.2 ± 1.126
−50
−55
−60
−65
−70
−75
−80
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 117.1
Std Dev 110.4
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 33
Mean −0.006257
Std Dev 0.3174
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

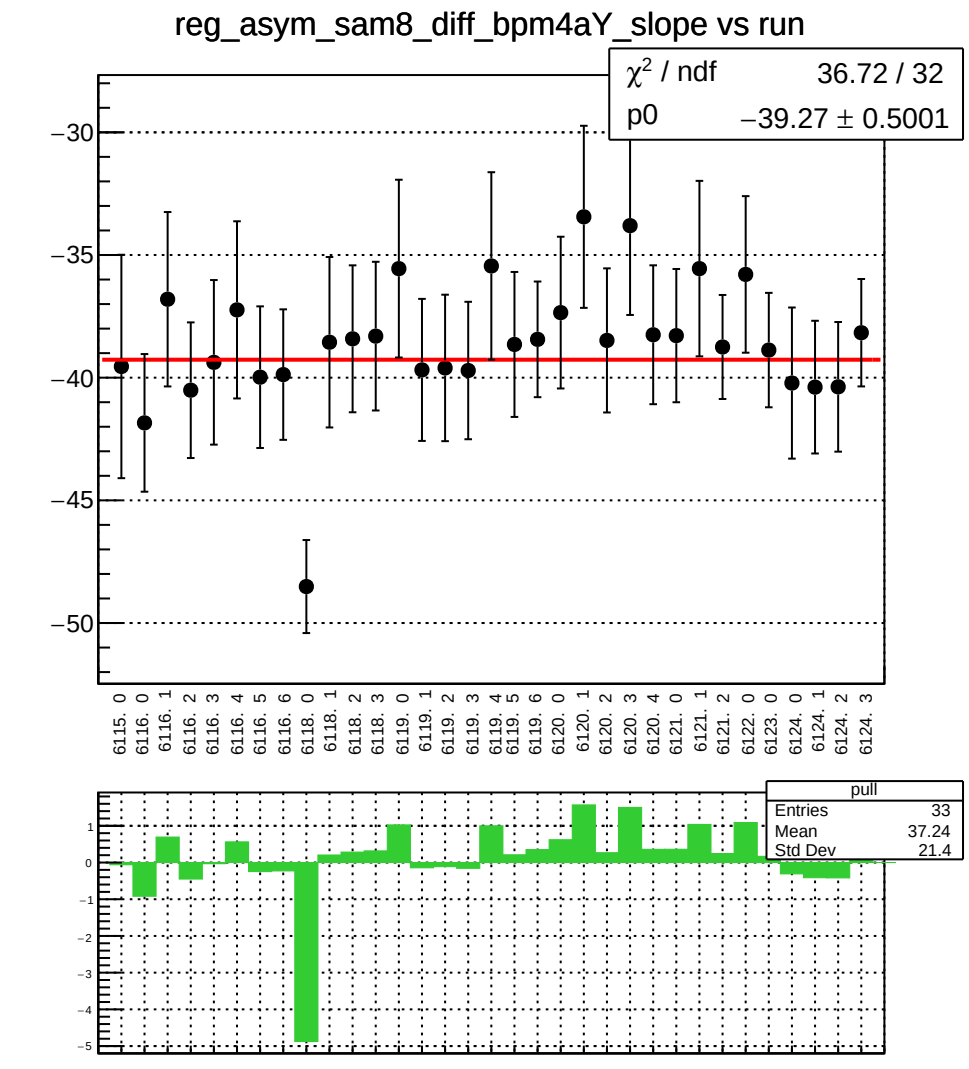

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 4.164 / 32
p0 −21.24 ± 0.6437
−12
−14
−16
−18
−20
−22
−24
−26
−28
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 269.4
Std Dev 252.7
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

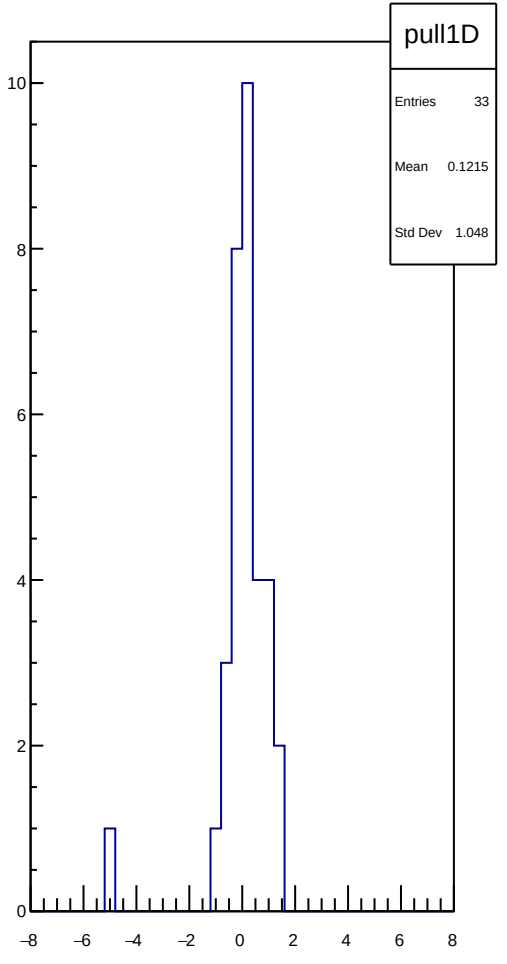

pull1D
Entries 33
Mean −0.006659
Std Dev 0.3552
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

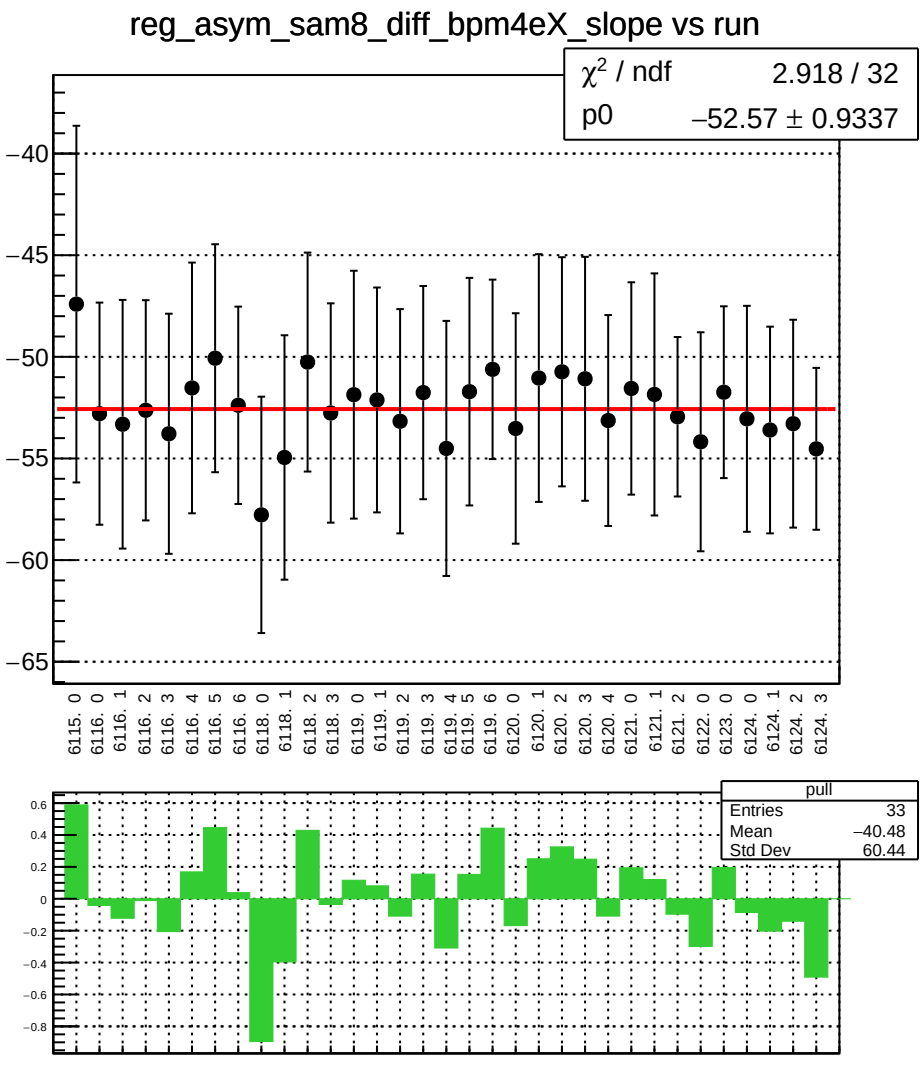

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 6.507 / 32
p0 −0.9599 ± 0.04933
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 90.7
Std Dev 75.15
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 33
Mean 0.008448
Std Dev 0.444
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

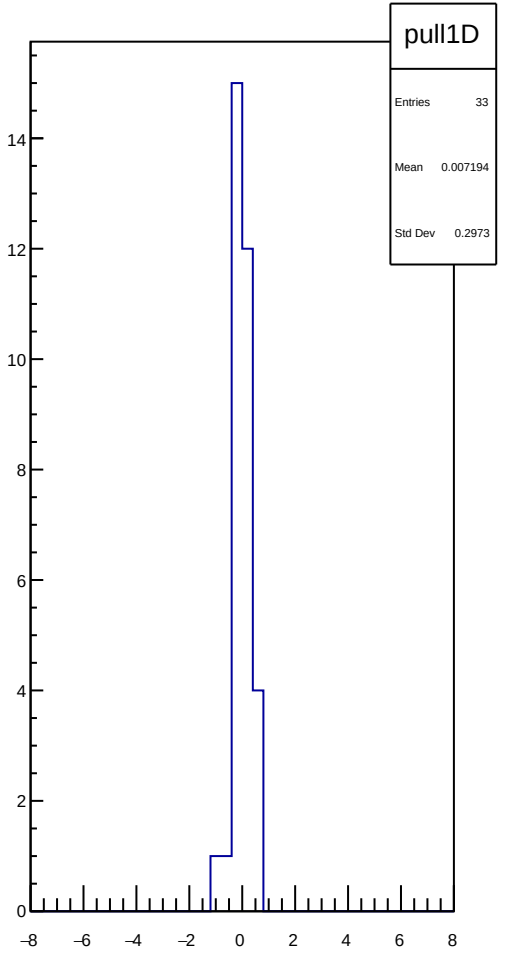

reg_asym_sam8_diff_bpm4aX_slope vs run
χ² / ndf 3.069 / 32
p0 19.99 ± 0.8026
30
25
20
15
10
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −40.46
Std Dev 59.36
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

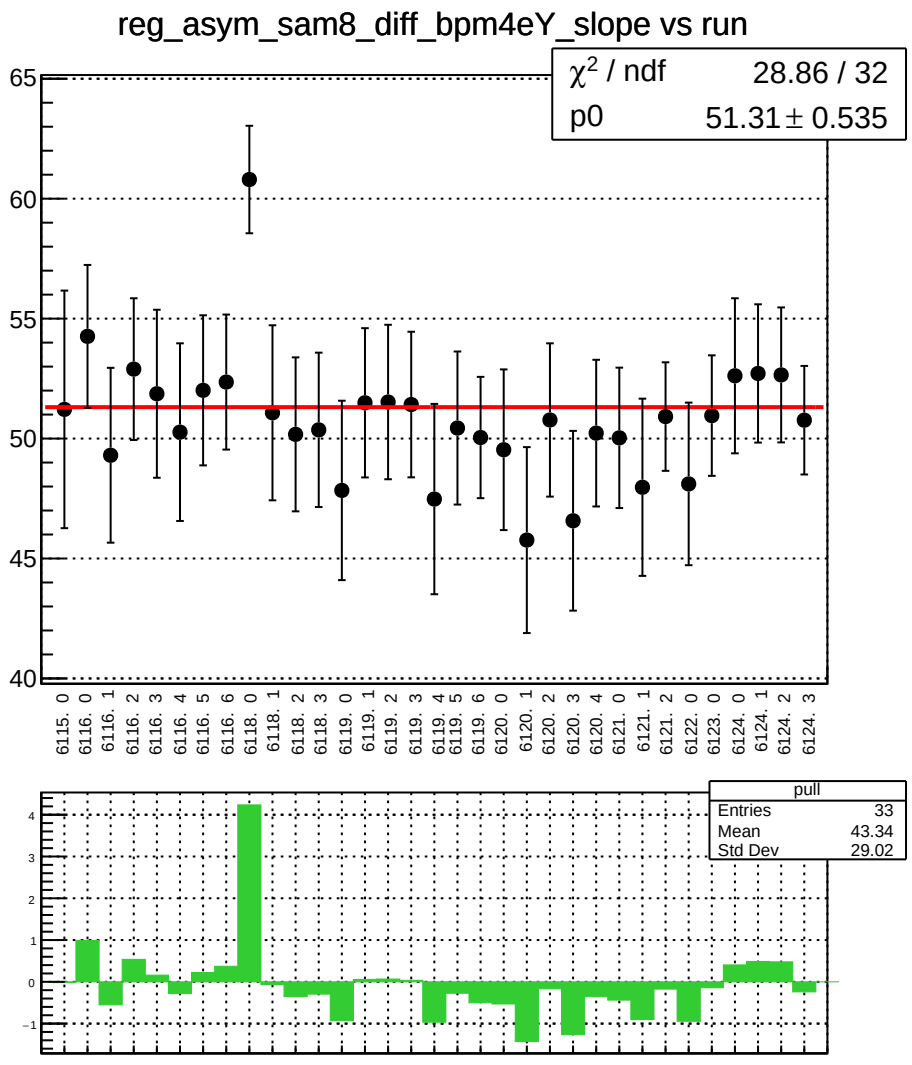

pull1D
Entries 33
Mean −0.00657
Std Dev 0.3049
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

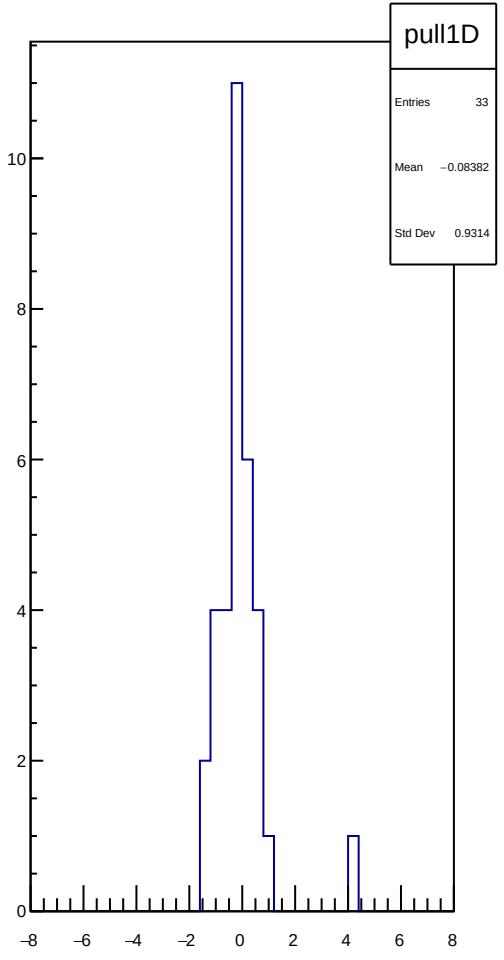

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 36.72 / 32
p0 −39.27 ± 0.5001
−30
−35
−40
−45
−50
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 37.24
Std Dev 21.4
1
0
−1
−2
−3
−4
−5

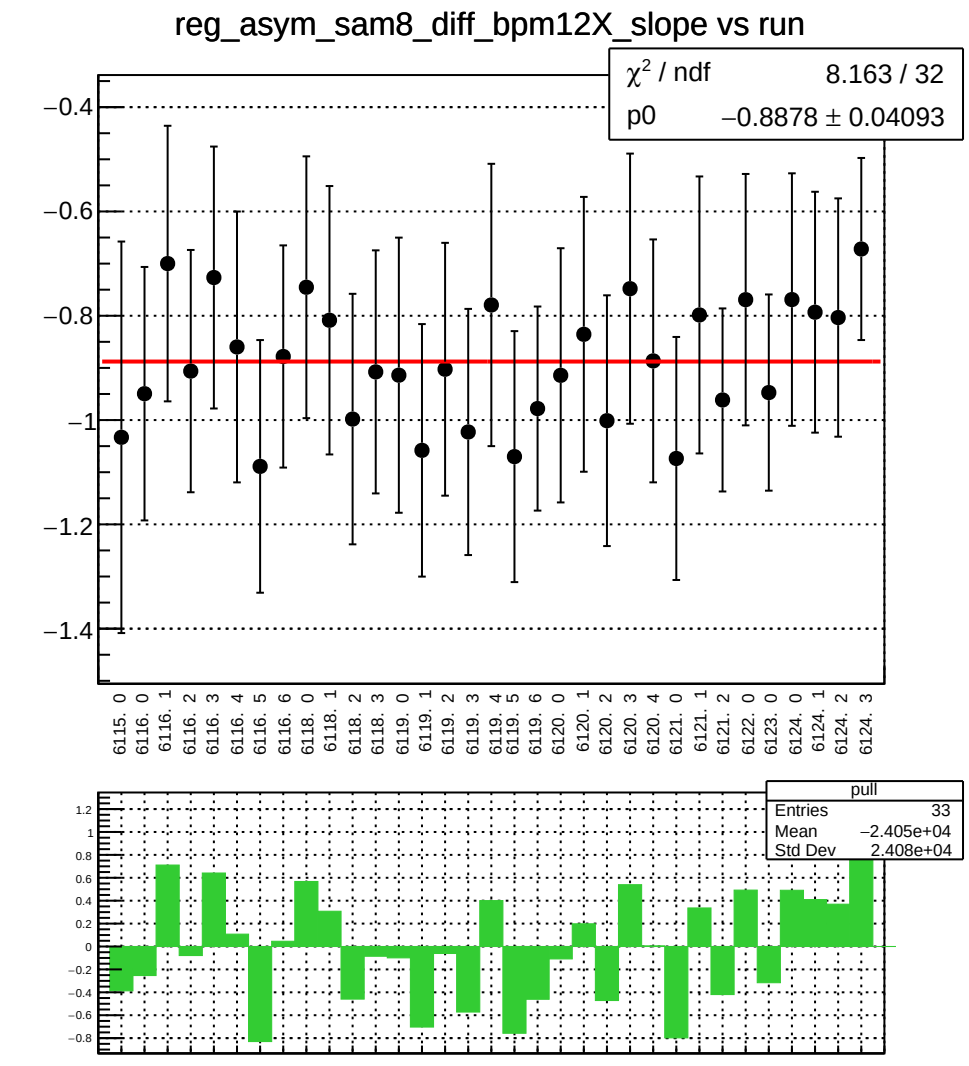

pull1D
Entries 33
Mean 0.1215
Std Dev 1.048
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

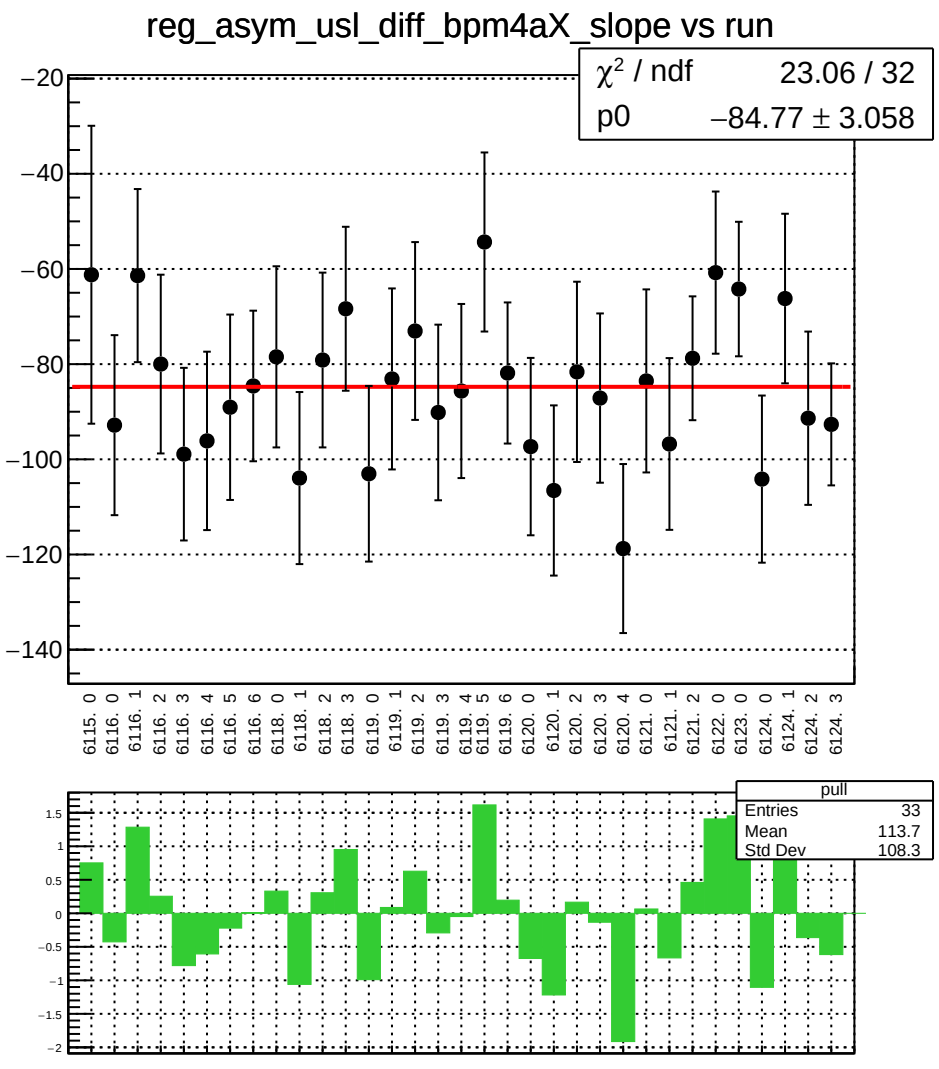

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 2.918 / 32
p0 −52.57 ± 0.9337
−40
−45
−50
−55
−60
−65
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −40.48
Std Dev 60.44
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

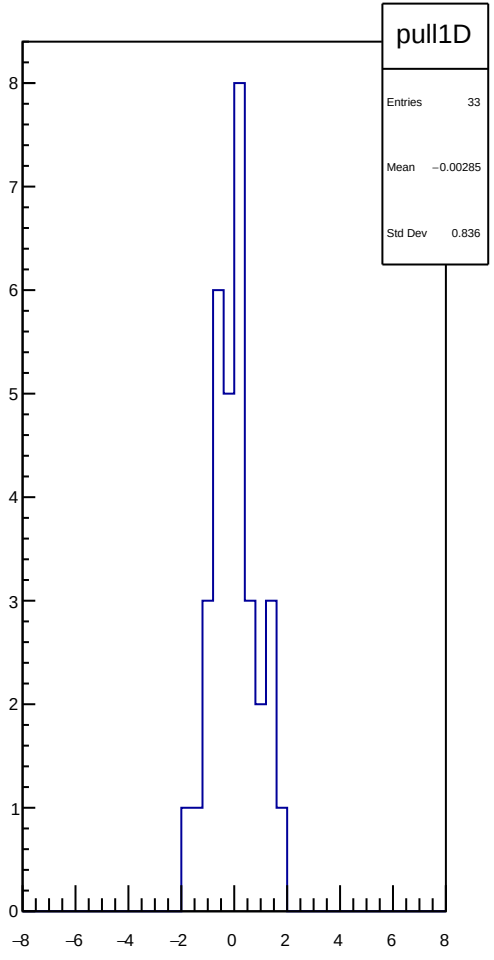

pull1D
Entries 33
Mean 0.007194
Std Dev 0.2973
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

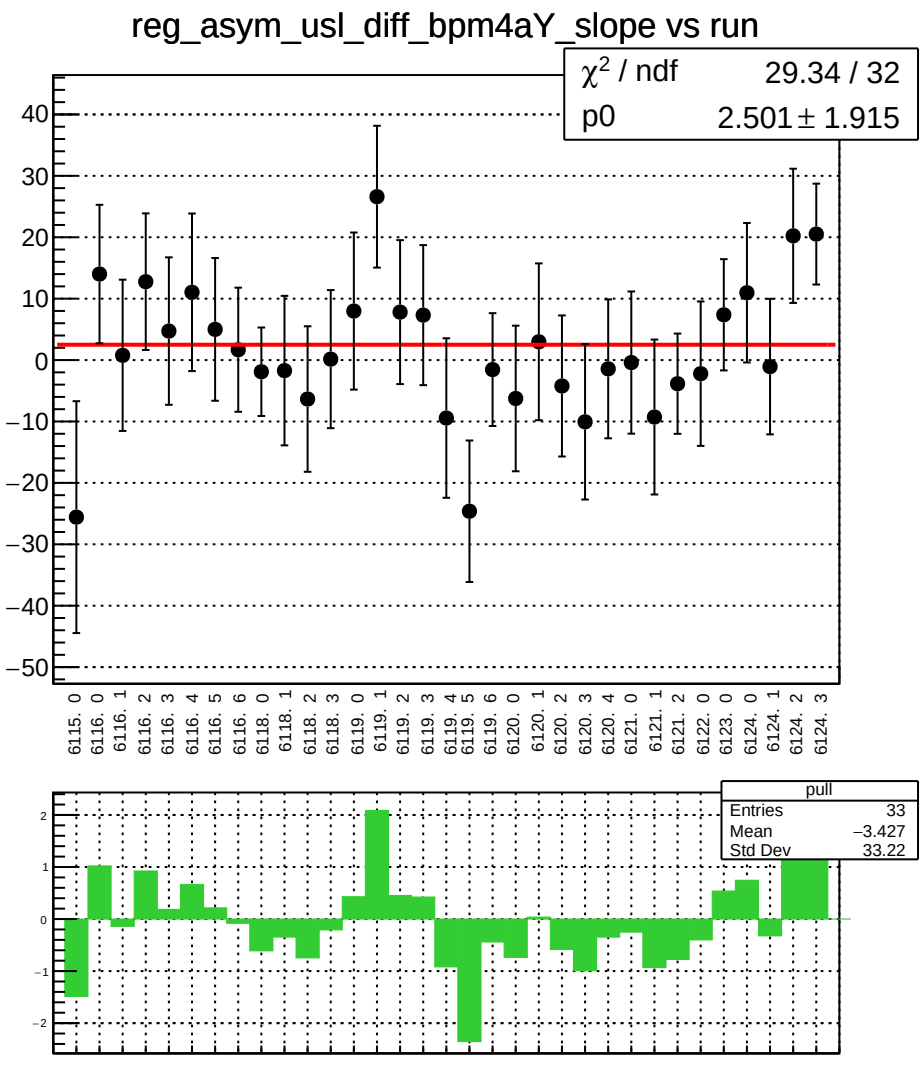

reg_asym_sam8_diff_bpm4eY_slope vs run
χ^2 / ndf 28.86 / 32
p0 51.31 ± 0.535
65
60
55
50
45
40
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 43.34
Std Dev 29.02
4
3
2
1
0
−1

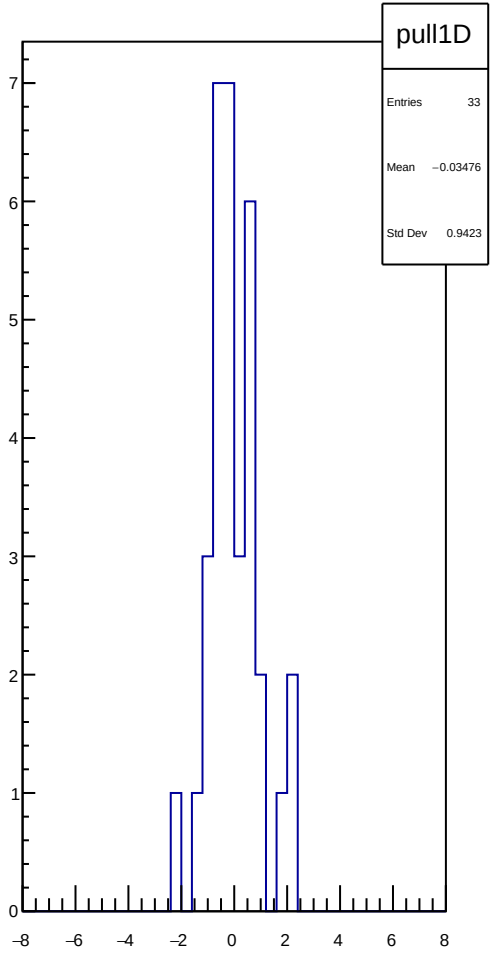

pull1D
Entries 33
Mean −0.08382
Std Dev 0.9314
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

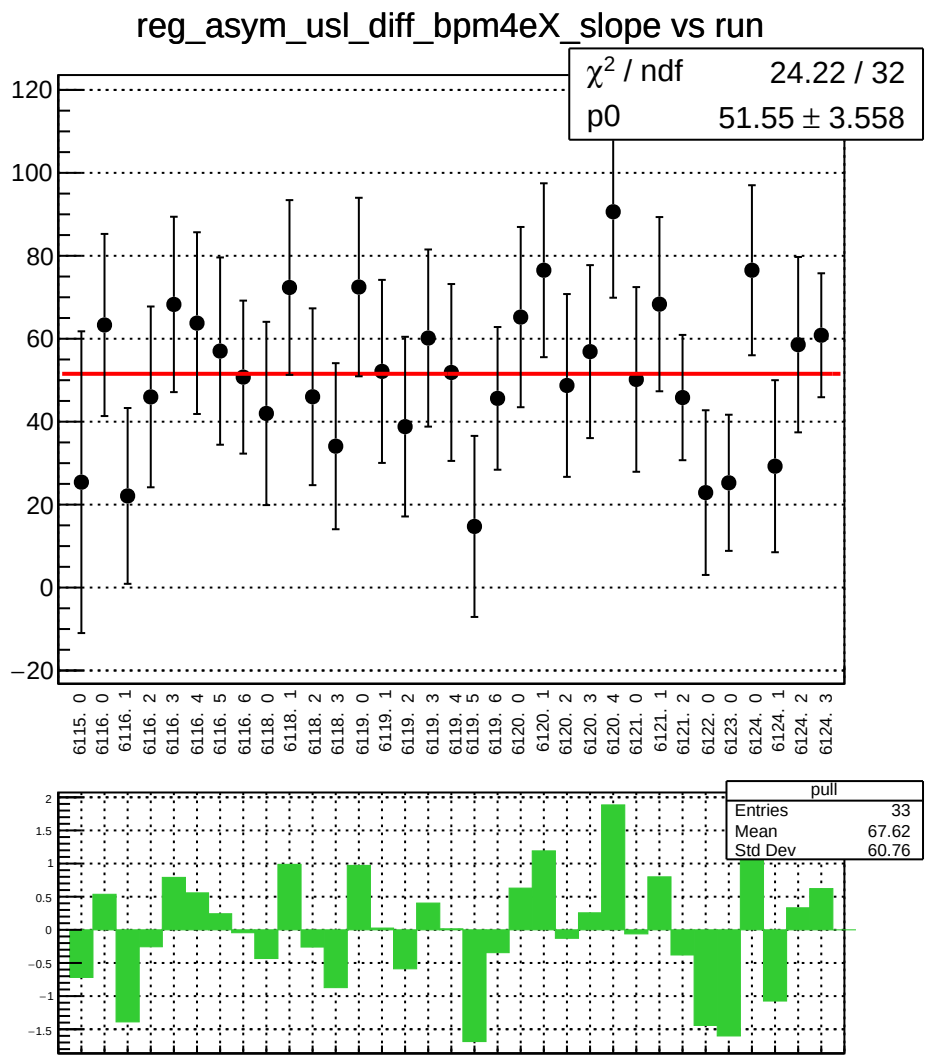

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 8.163 / 32
p0 −0.8878 ± 0.04093
−0.4
−0.6
−0.8
−1
−1.2
−1.4
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −2.405e+04
Std Dev 2.408e+04
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 33
Mean −3.9e−05
Std Dev 0.4974
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

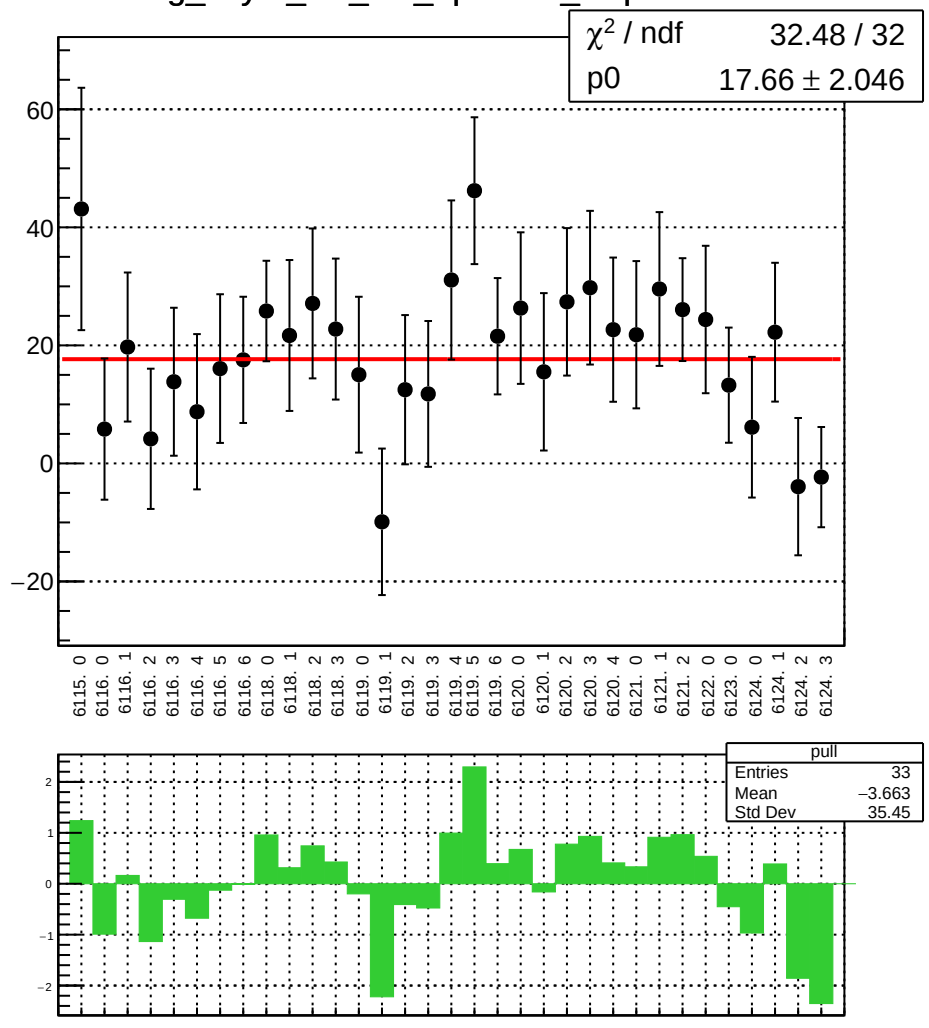

reg_asym_usl_diff_bpm4aX_slope vs run
χ² / ndf 23.06 / 32
p0 −84.77 ± 3.058
−20
−40
−60
−80
−100
−120
−140
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 113.7
Std Dev 108.3
1.5
1
0.5
0
−0.5
−1
−1.5
−2

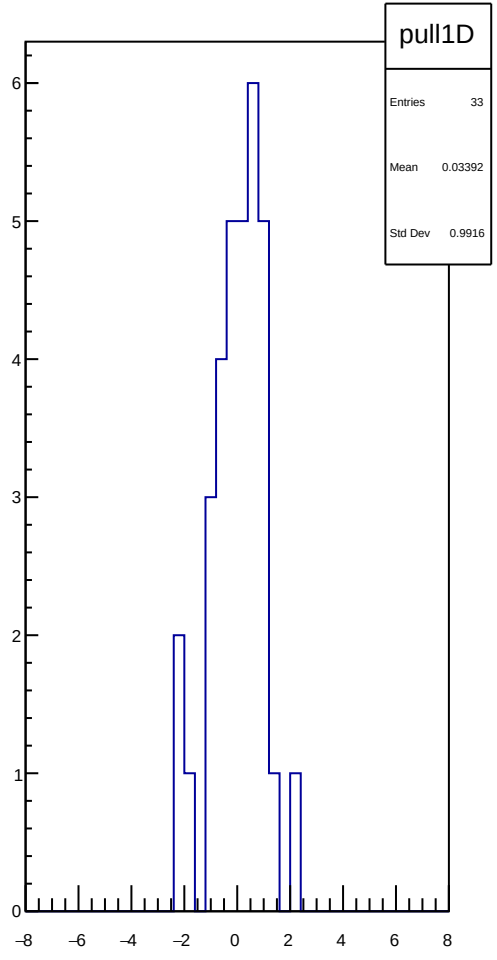

pull1D
Entries 33
Mean −0.00285
Std Dev 0.836
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

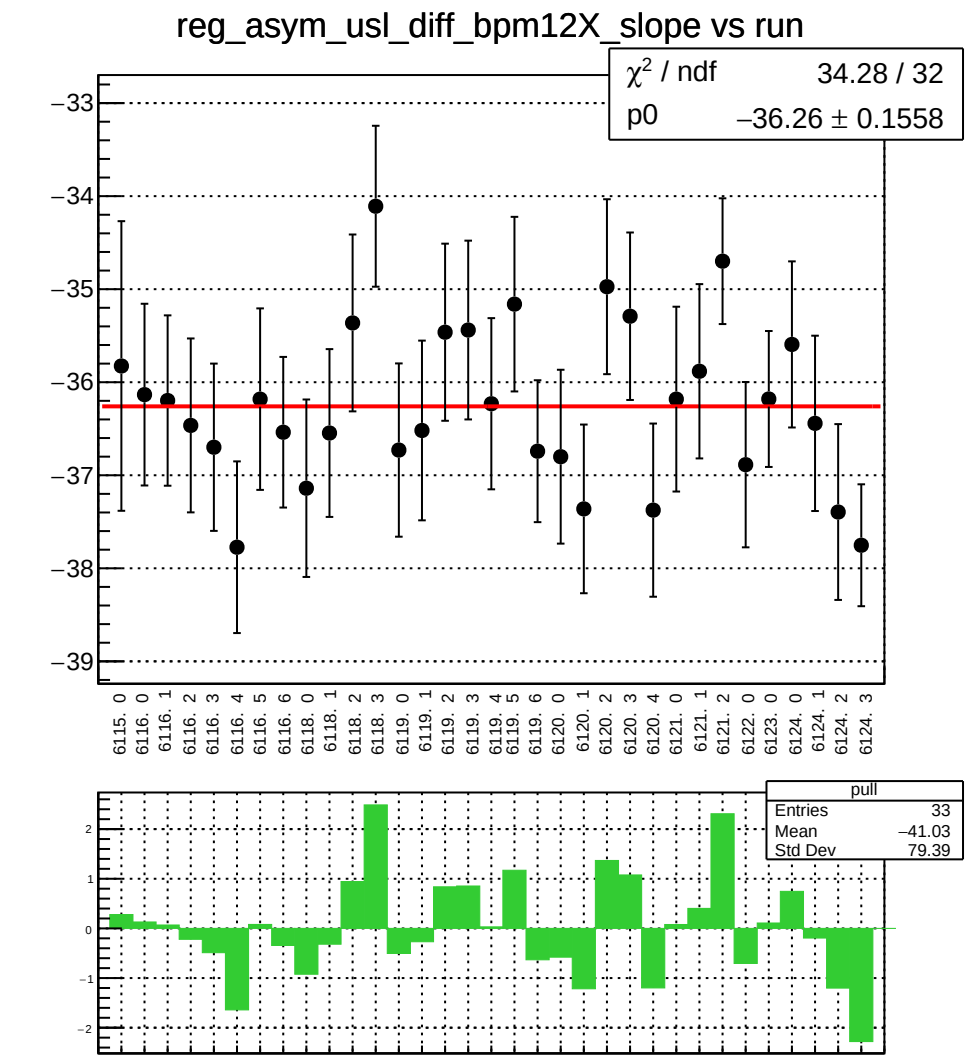

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 29.34 / 32
p0 2.501 ± 1.915
pull
Entries 33
Mean −3.427
Std Dev 33.22

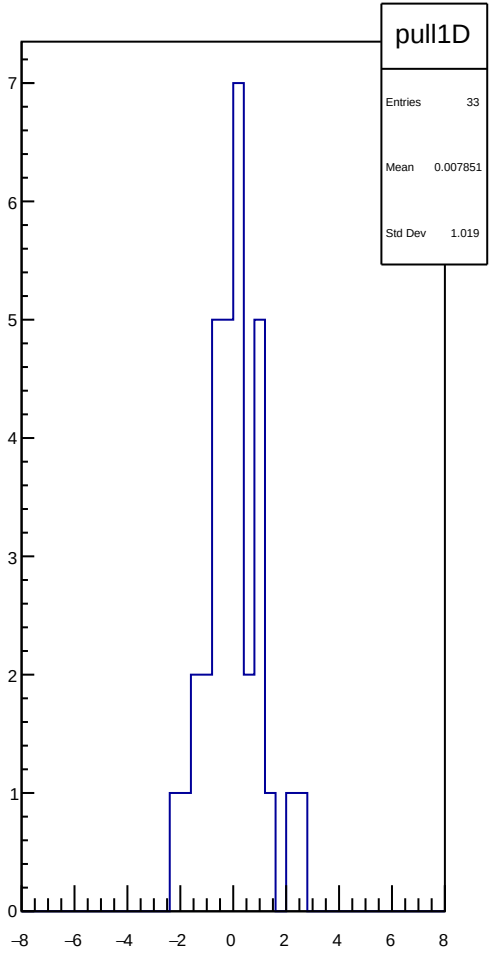

pull1D
Entries 33
Mean −0.03476
Std Dev 0.9423

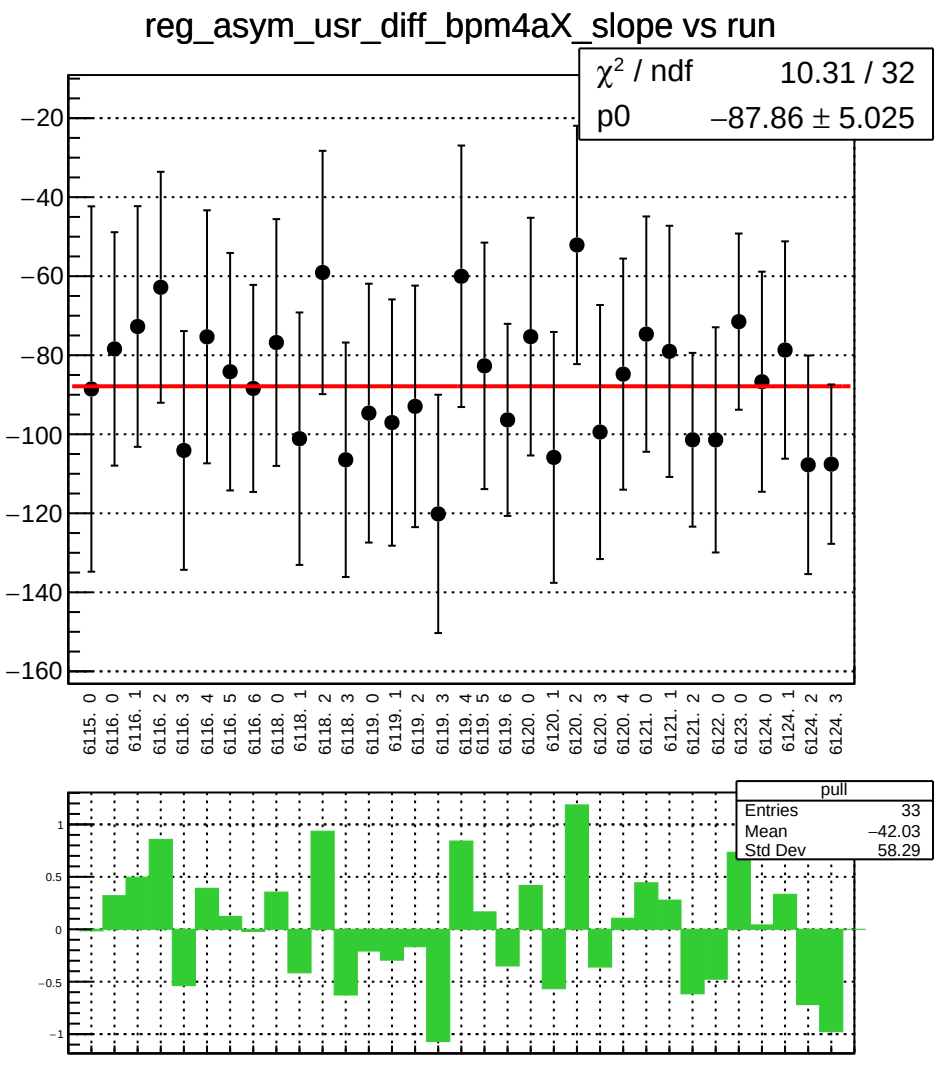

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 24.22 / 32
p0 51.55 ± 3.558
120
100
80
60
40
20
0
−20
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 67.62
Std Dev 60.76
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.005789
Std Dev 0.8567
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

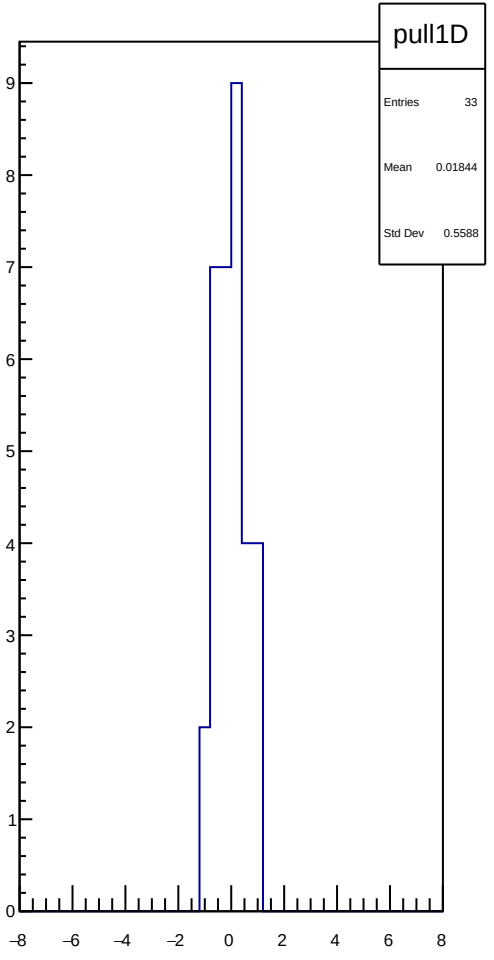

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 32.48 / 32
p0 17.66 ± 2.046
60
40
20
0
−20
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −3.663
Std Dev 35.45
2
1
0
−1
−2

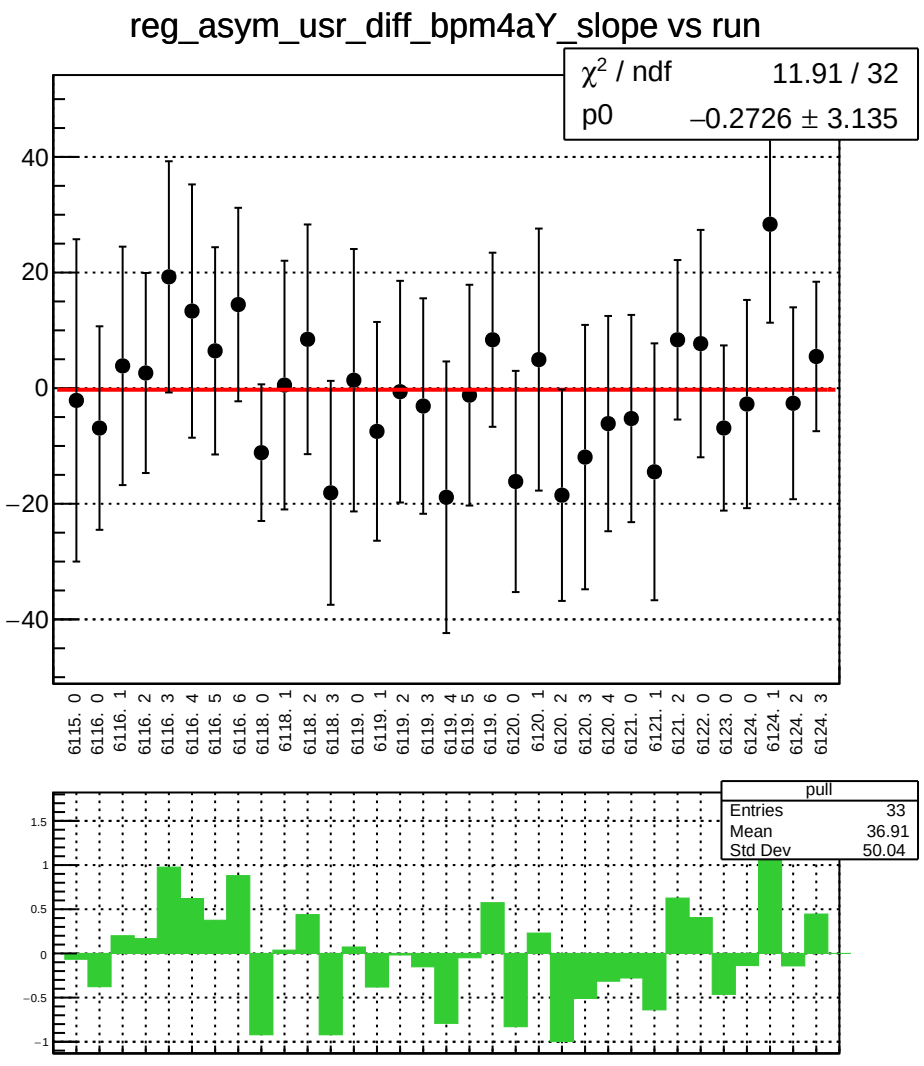

pull1D
Entries 33
Mean 0.03392
Std Dev 0.9916
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

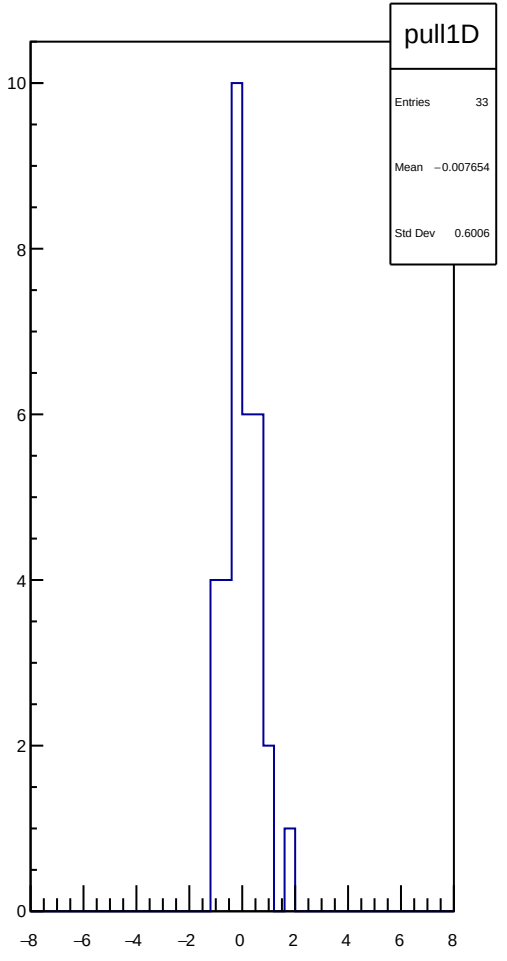

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 34.28 / 32
p0 −36.26 ± 0.1558
−33
−34
−35
−36
−37
−38
−39
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −41.03
Std Dev 79.39
2
1
0
−1
−2

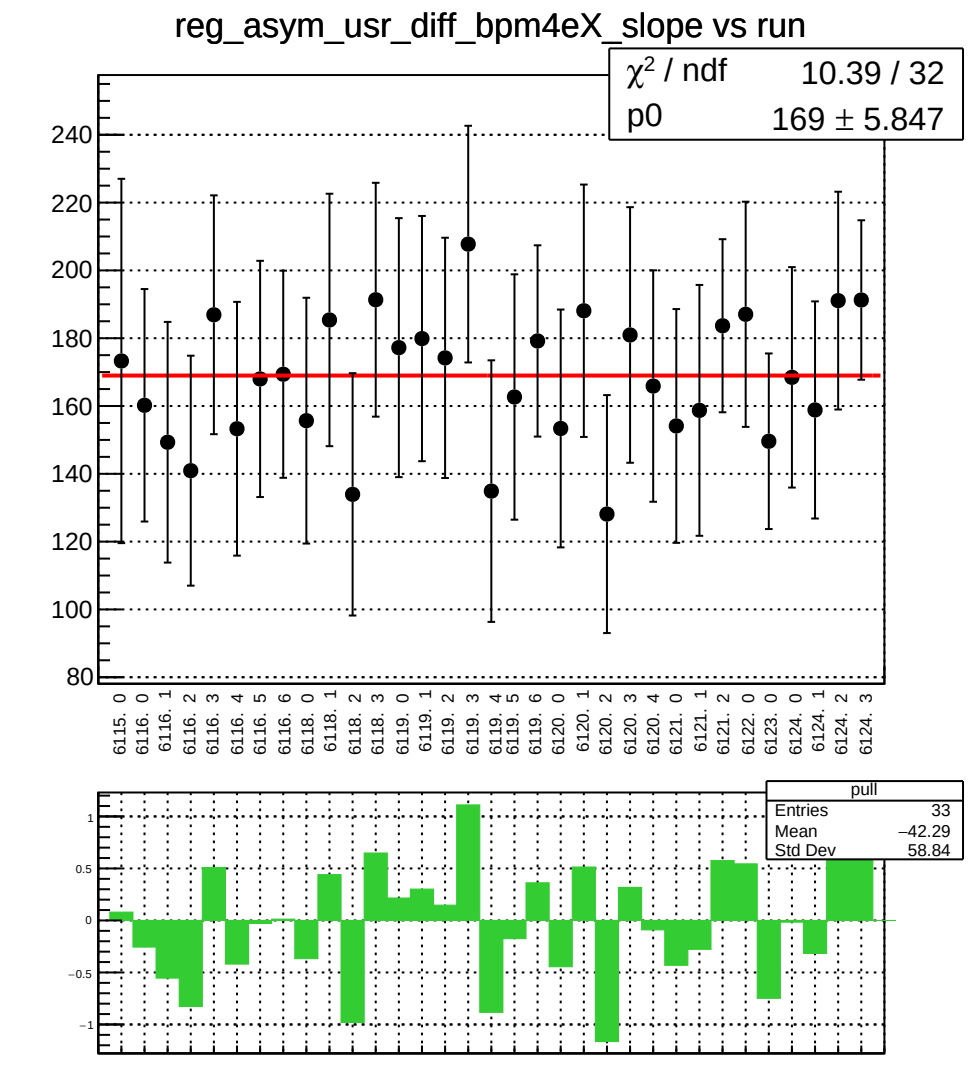

pull1D
Entries 33
Mean 0.007851
Std Dev 1.019
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

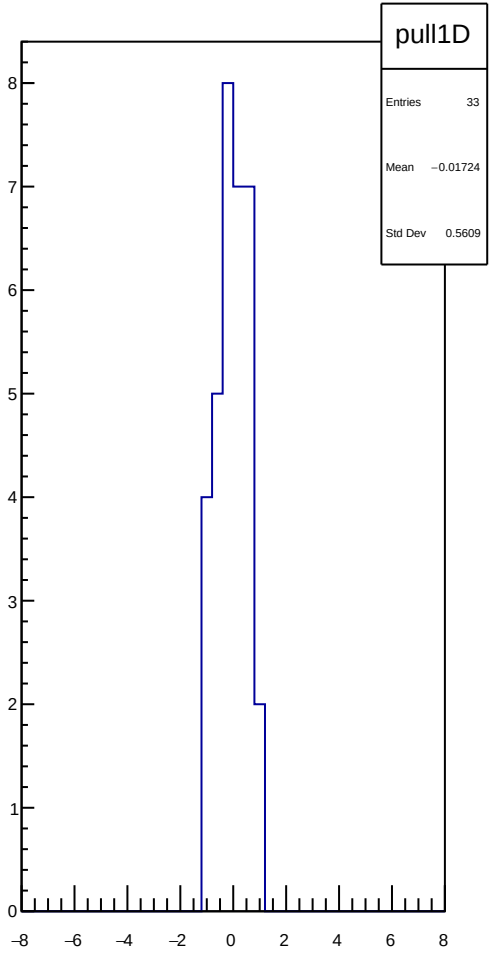

reg_asym_usr_diff_bpm4aX_slope vs run
χ² / ndf 10.31 / 32
p0 −87.86 ± 5.025
−20
−40
−60
−80
−100
−120
−140
−160
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −42.03
Std Dev 58.29
1
0.5
0
−0.5
−1

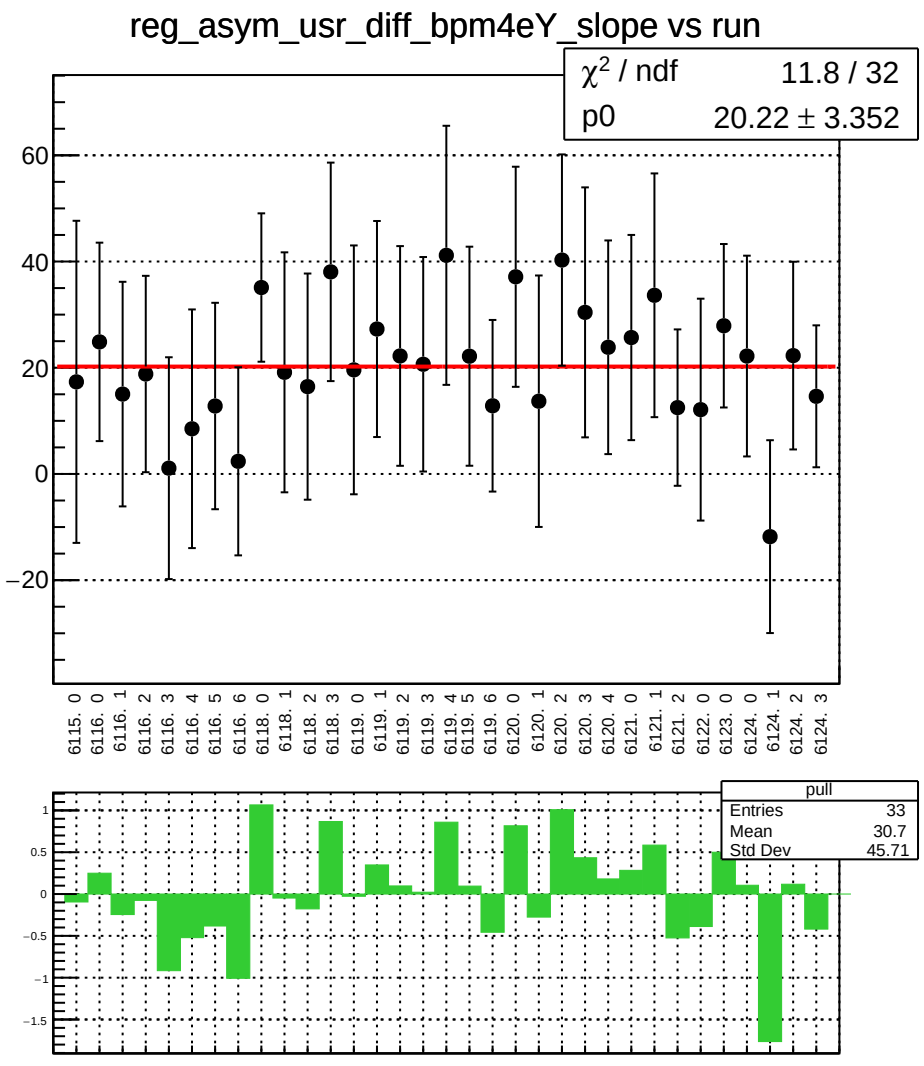

pull1D
Entries 33
Mean 0.01844
Std Dev 0.5588
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

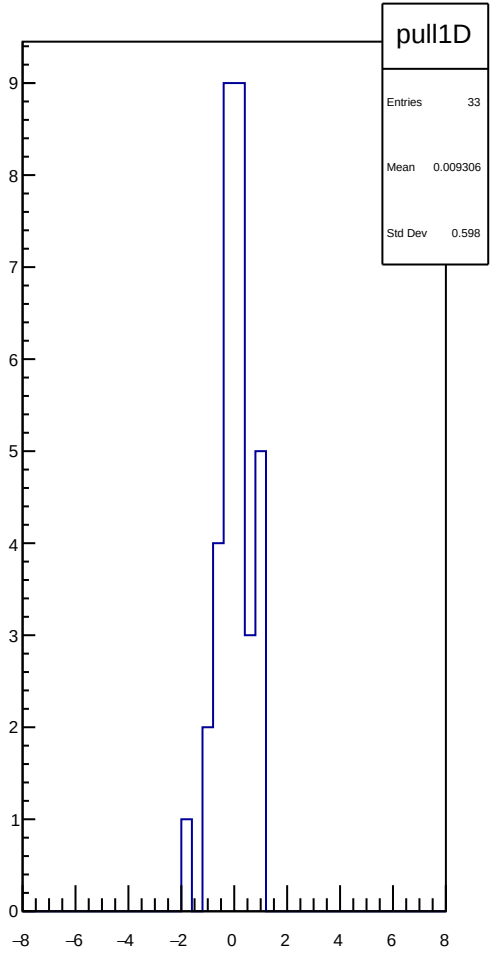

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 11.91 / 32
p0 −0.2726 ± 3.135
40
20
0
−20
−40
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 36.91
Std Dev 50.04
1.5
1
0.5
0
−0.5
−1

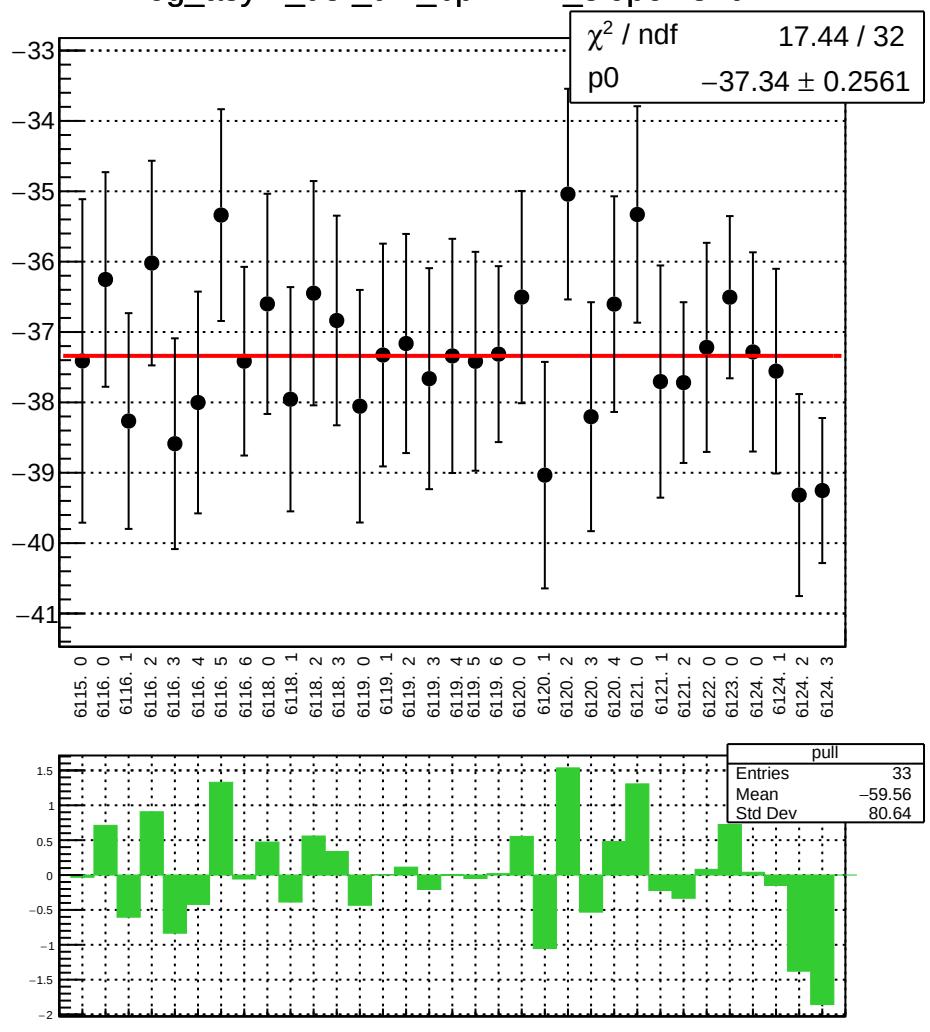

pull1D
Entries 33
Mean −0.007654
Std Dev 0.6006
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

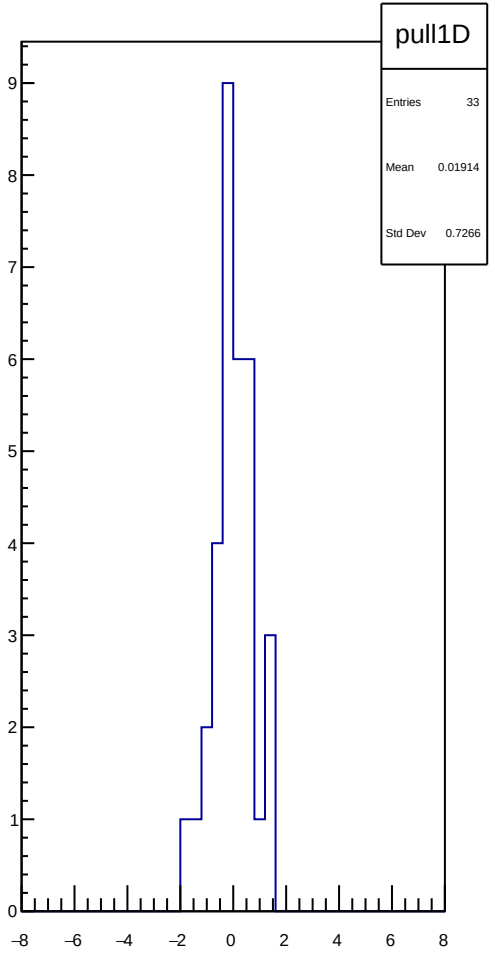

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 10.39 / 32
p0 169 ± 5.847
240
220
200
180
160
140
120
100
80
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −42.29
Std Dev 58.84
1
0.5
0
−0.5
−1

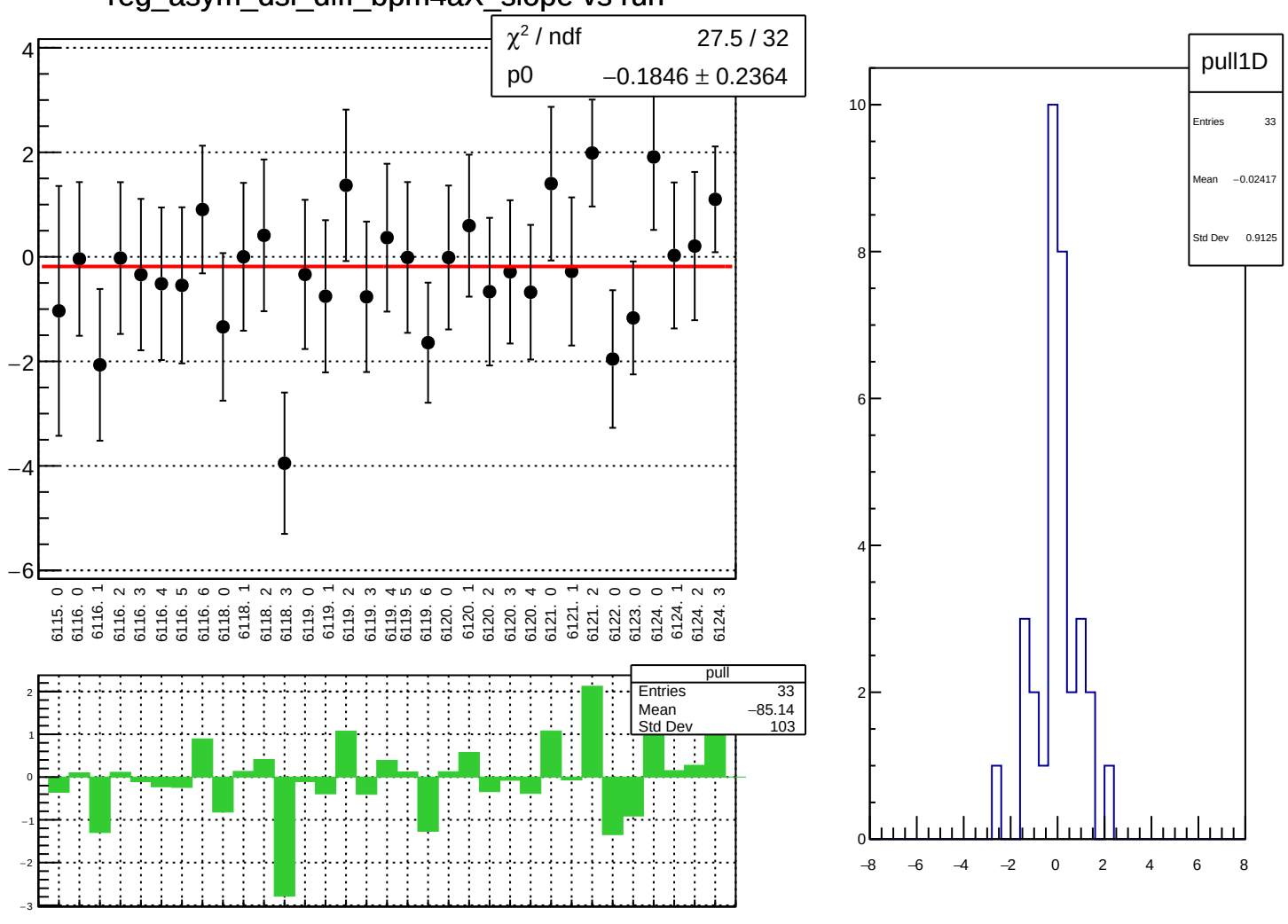

pull1D
Entries 33
Mean −0.01724
Std Dev 0.5609
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

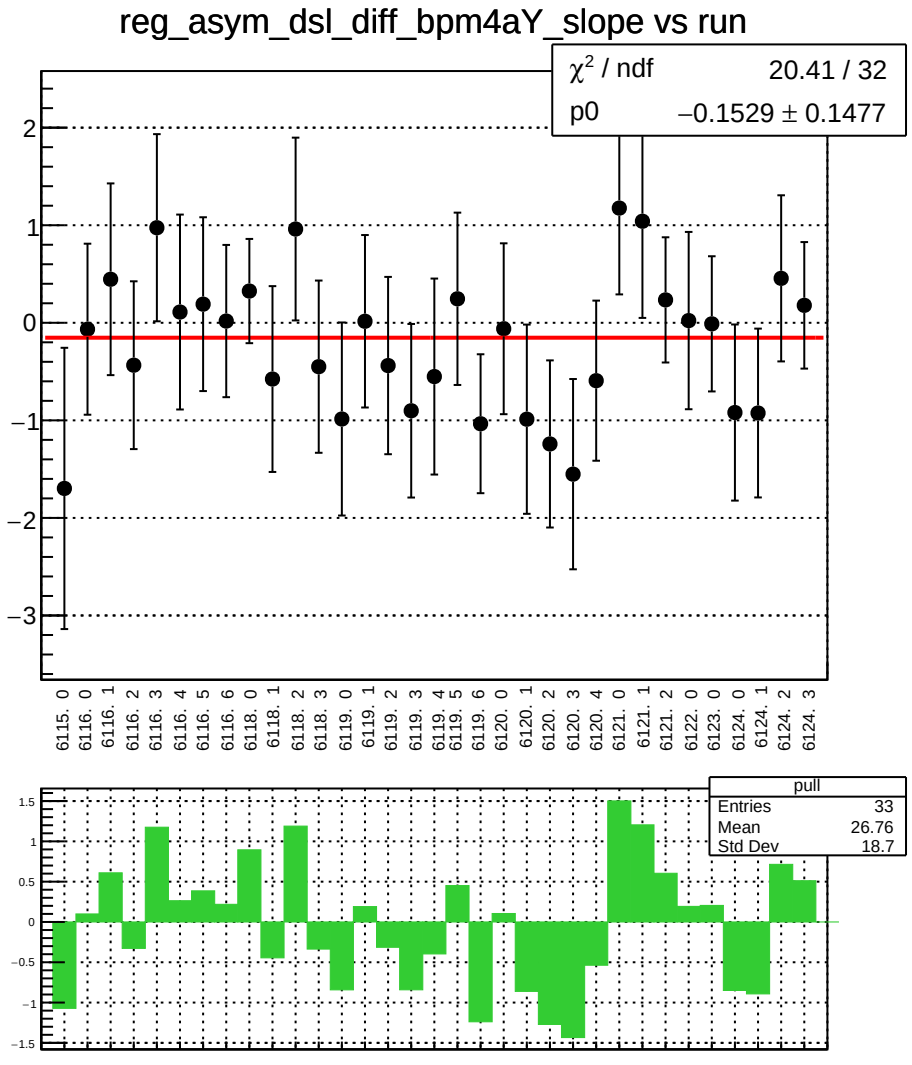

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 11.8 / 32
p0 20.22 ± 3.352
60
40
20
0
−20
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 30.7
Std Dev 45.71
1
0.5
0
−0.5
−1
−1.5

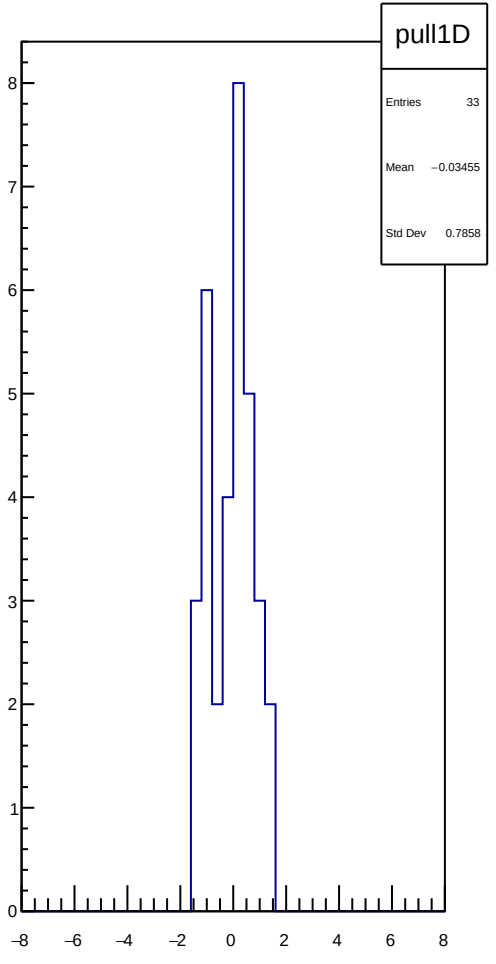

pull1D
Entries 33
Mean 0.009306
Std Dev 0.598
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

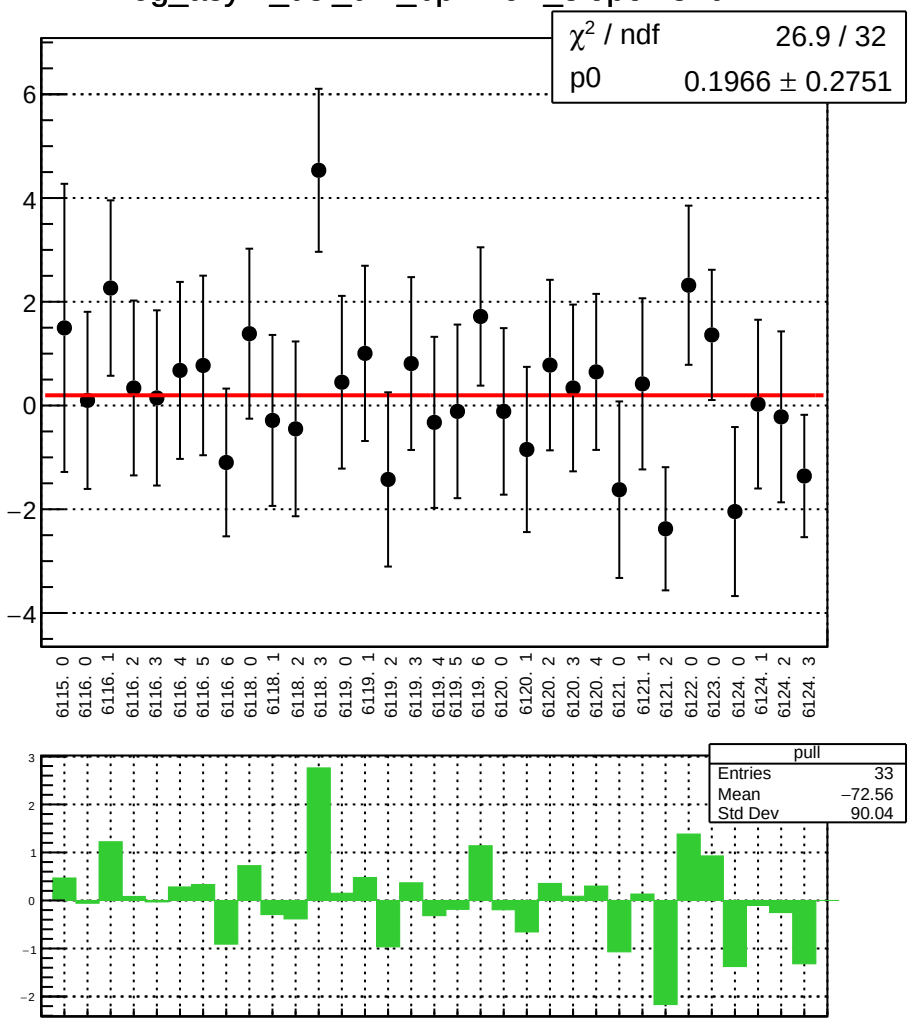

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 17.44 / 32
p0 −37.34 ± 0.2561
pull
Entries 33
Mean −59.56
Std Dev 80.64

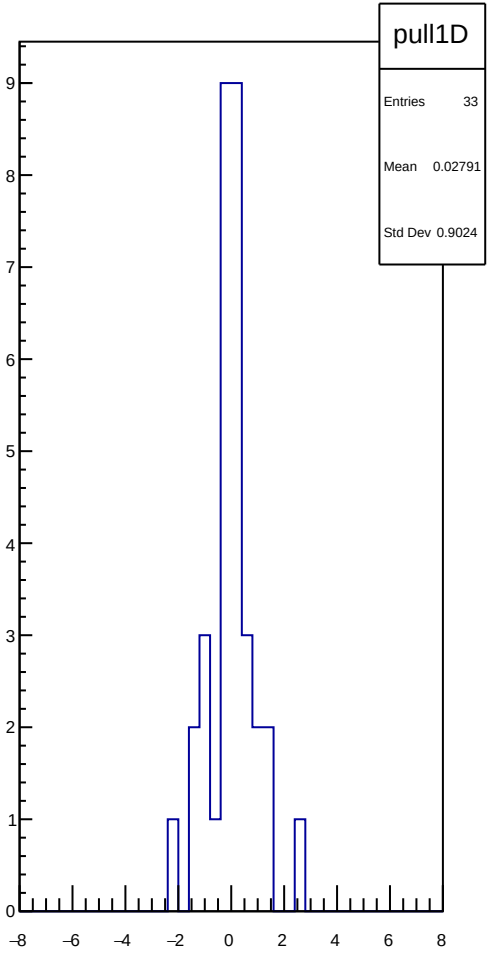

pull1D
Entries 33
Mean 0.01914
Std Dev 0.7266

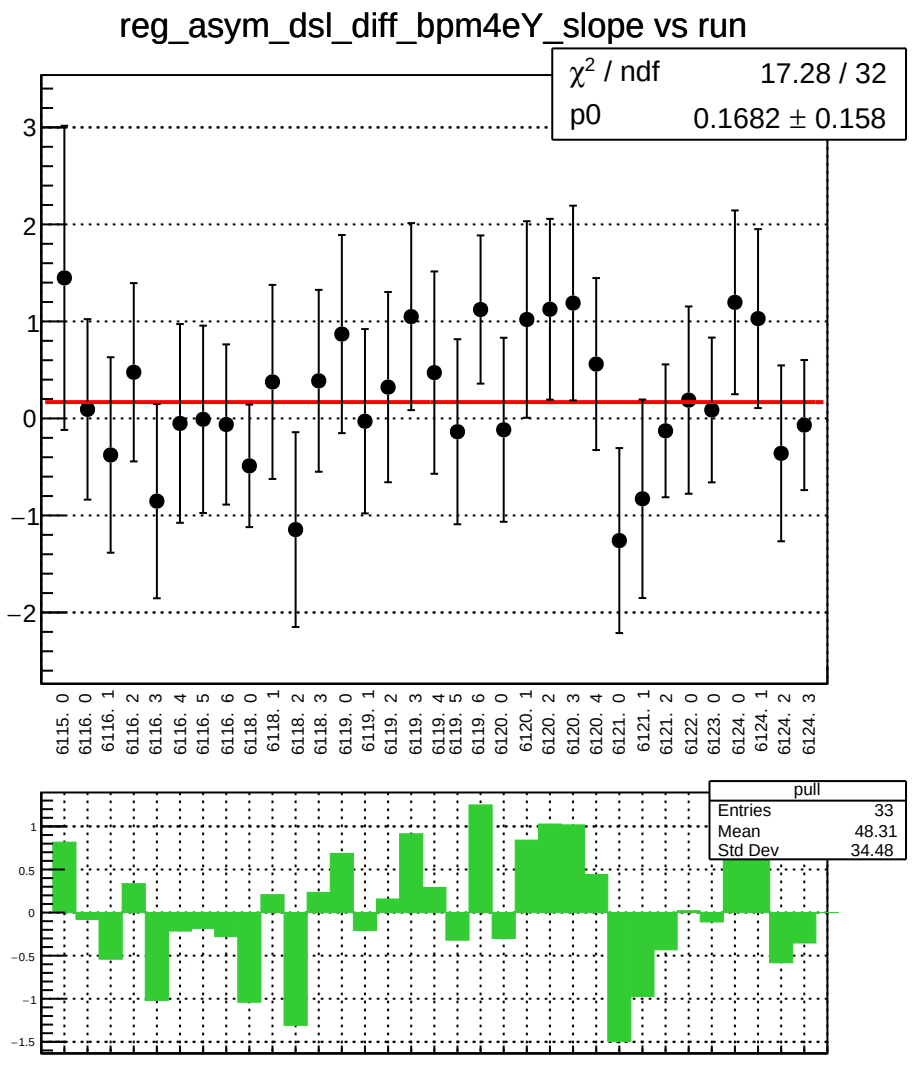

reg_asym_dsl_diff_bpm4aX_slope vs run
χ² / ndf 27.5 / 32
p0 −0.1846 ± 0.2364
4
2
0
−2
−4
−6
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −85.14
Std Dev 103
2
1
0
−1
−2
−3
pull1D
Entries 33
Mean −0.02417
Std Dev 0.9125
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

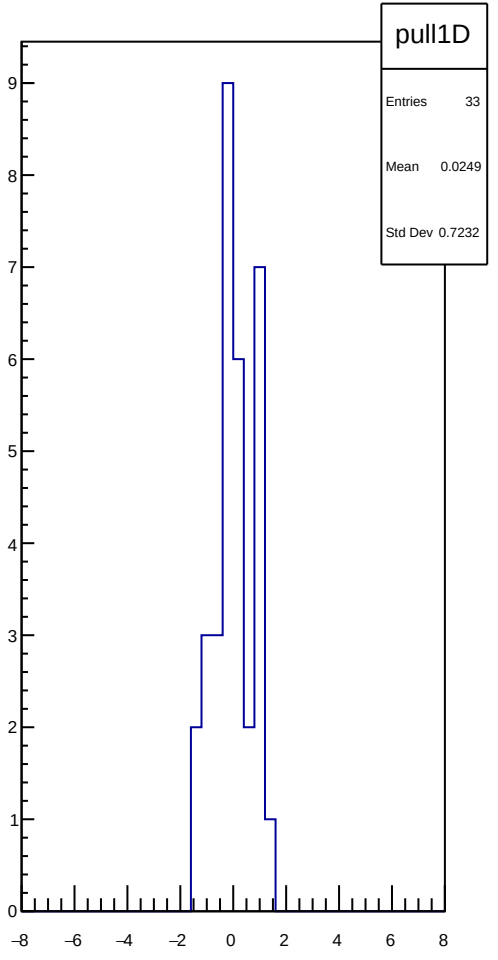

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 20.41 / 32
p0 −0.1529 ± 0.1477
2
1
0
−1
−2
−3
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 26.76
Std Dev 18.7
1.5
1
0.5
0
−0.5
−1
−1.5

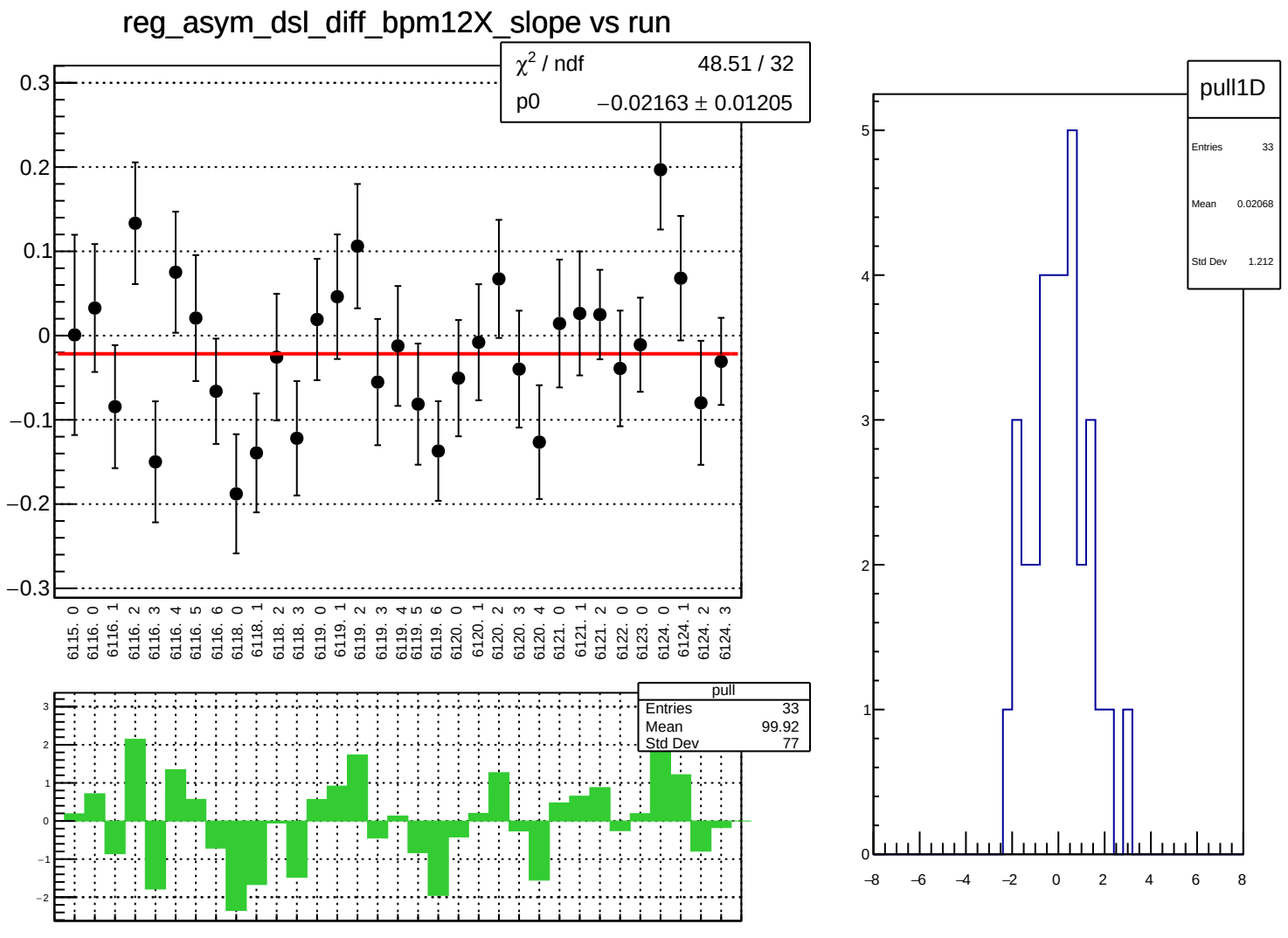

pull1D
Entries 33
Mean −0.03455
Std Dev 0.7858
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

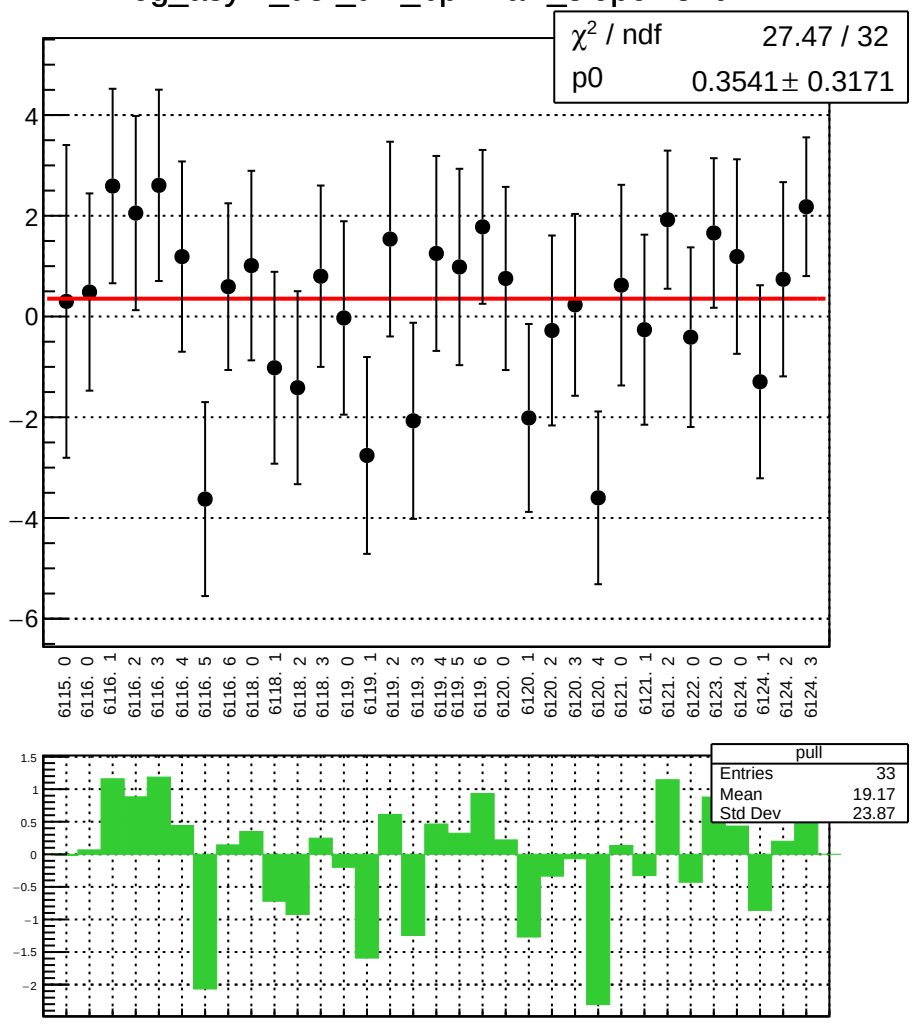

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 26.9 / 32
p0 0.1966 ± 0.2751
6
4
2
0
−2
−4
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −72.56
Std Dev 90.04
3
2
1
0
−1
−2

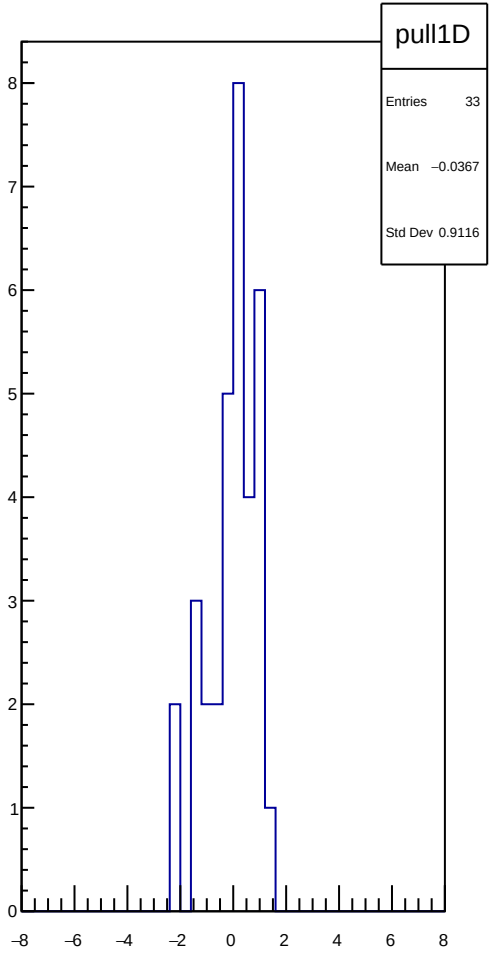

pull1D
Entries 33
Mean 0.02791
Std Dev 0.9024
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

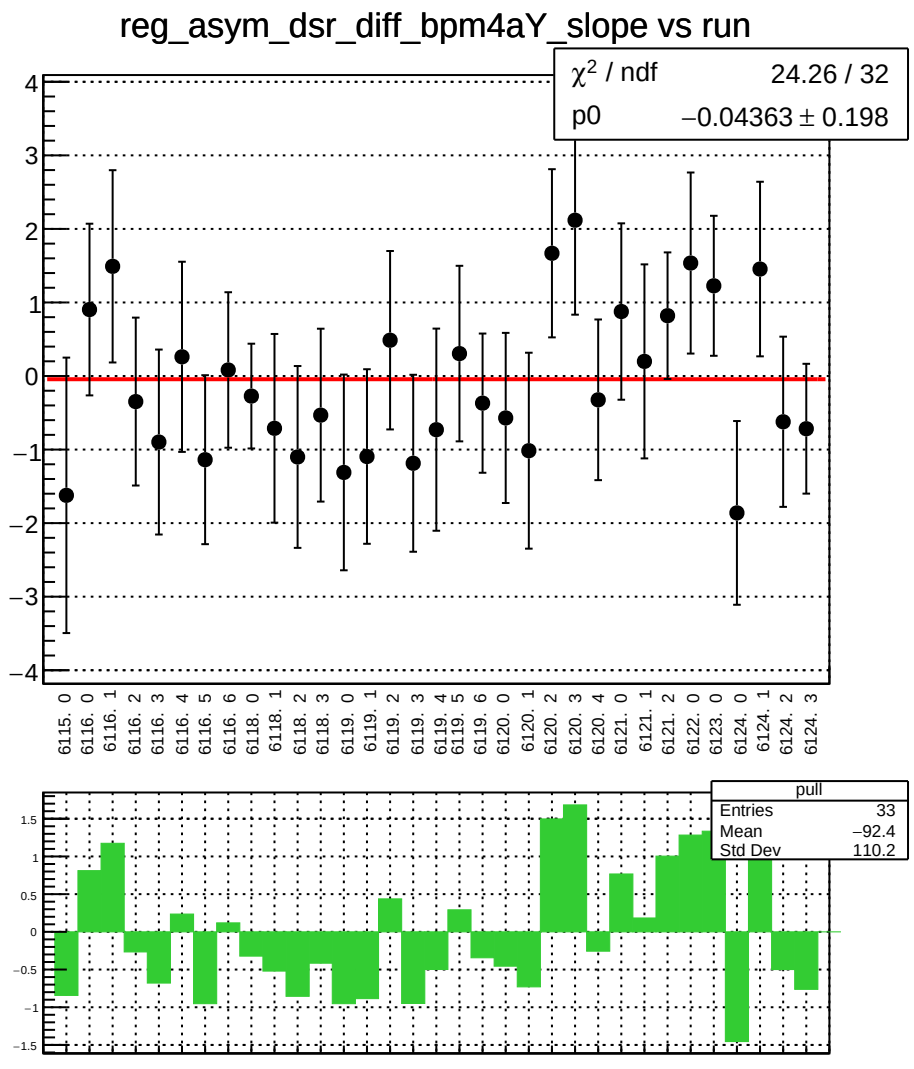

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 17.28 / 32
p0 0.1682 ± 0.158
3
2
1
0
−1
−2
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 48.31
Std Dev 34.48
1
0.5
0
−0.5
−1
−1.5

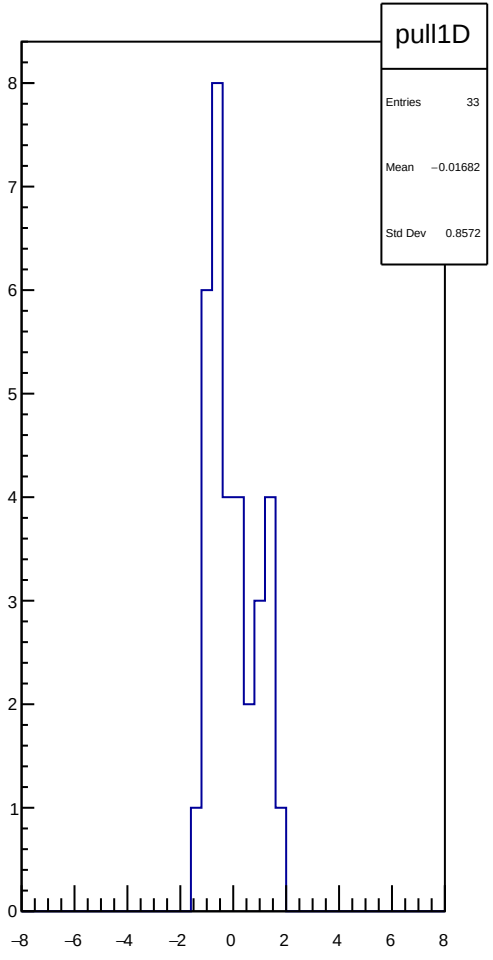

pull1D
Entries 33
Mean 0.0249
Std Dev 0.7232
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

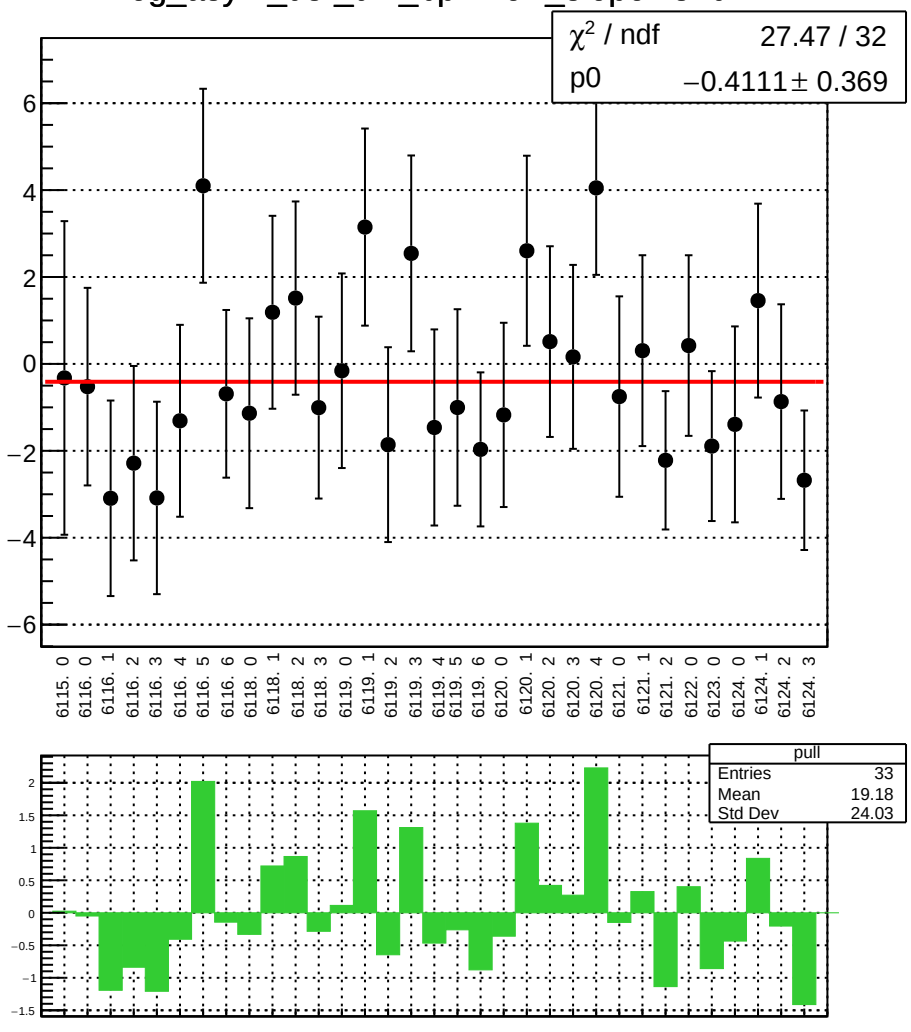

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 48.51 / 32
p0 −0.02163 ± 0.01205
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 99.92
Std Dev 77
pull1D
Entries 33
Mean 0.02068
Std Dev 1.212

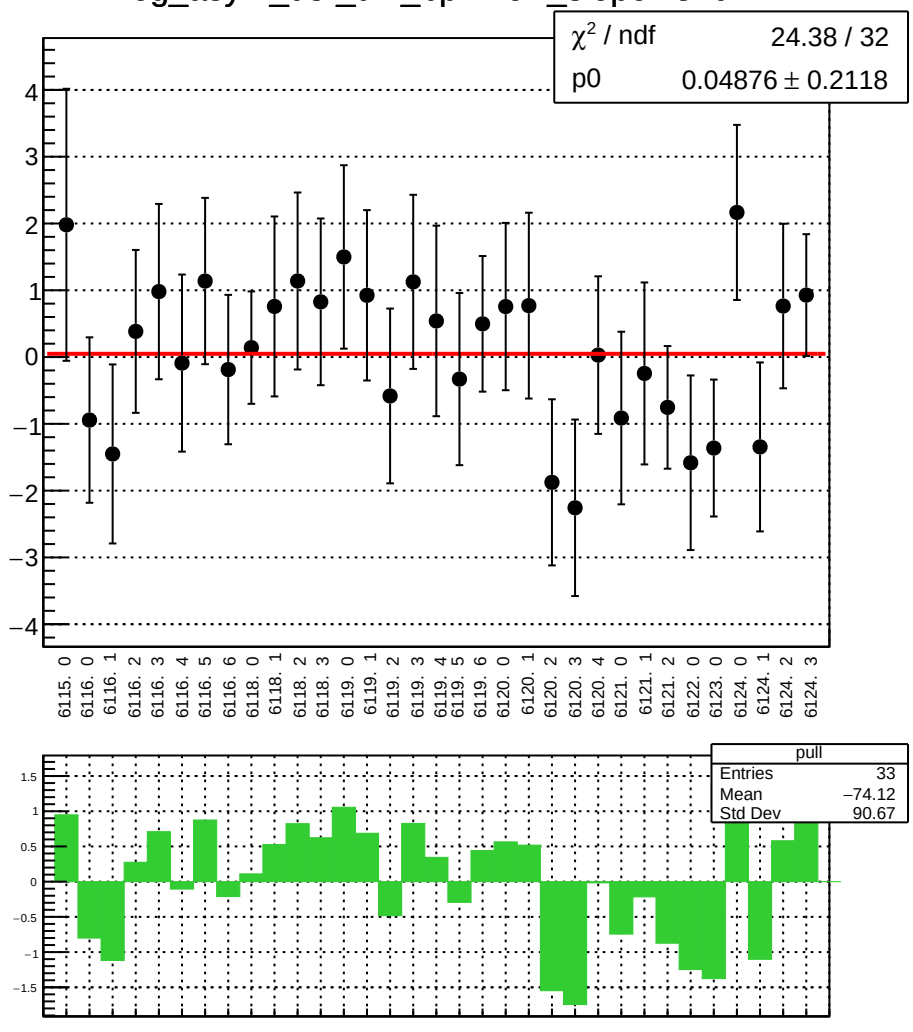

reg_asym_dsr_diff_bpm4aX_slope vs run
χ² / ndf 27.47 / 32
p0 0.3541 ± 0.3171
pull
Entries 33
Mean 19.17
Std Dev 23.87

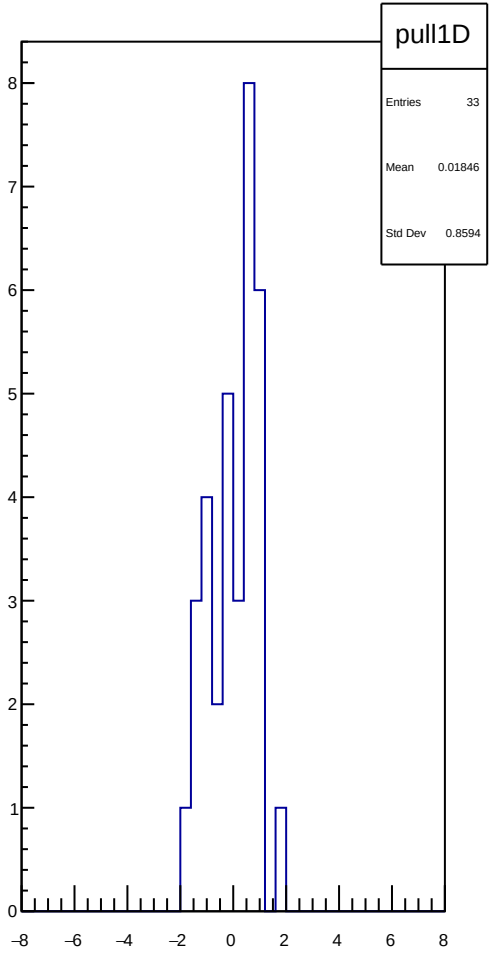

pull1D
Entries 33
Mean −0.0367
Std Dev 0.9116

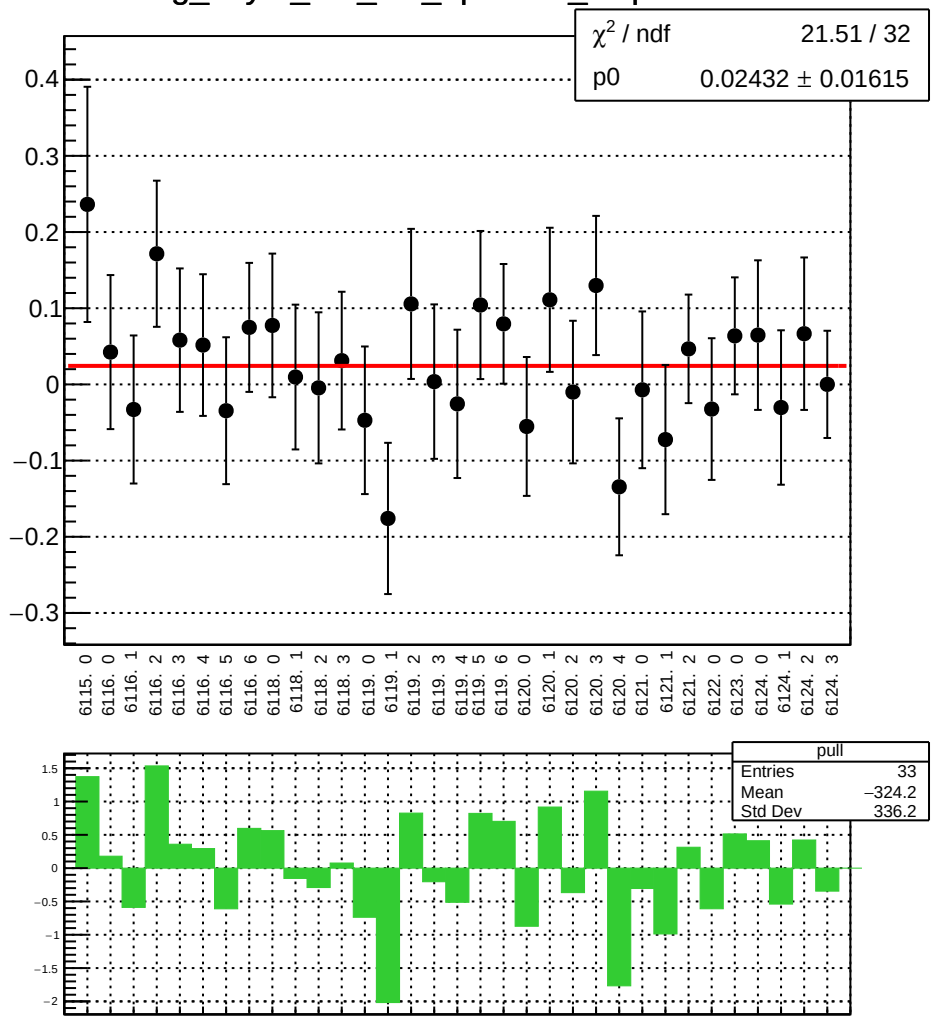

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 24.26 / 32
p0 −0.04363 ± 0.198
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −92.4
Std Dev 110.2

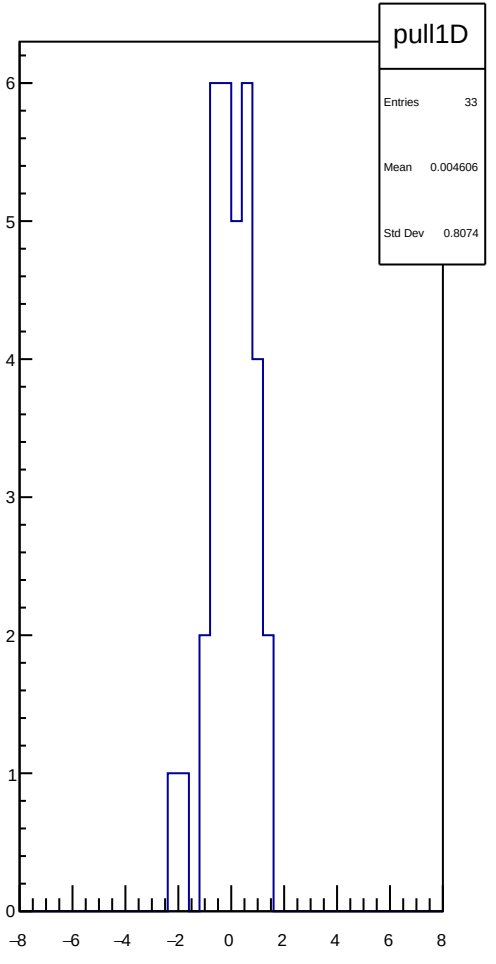

pull1D
Entries 33
Mean −0.01682
Std Dev 0.8572

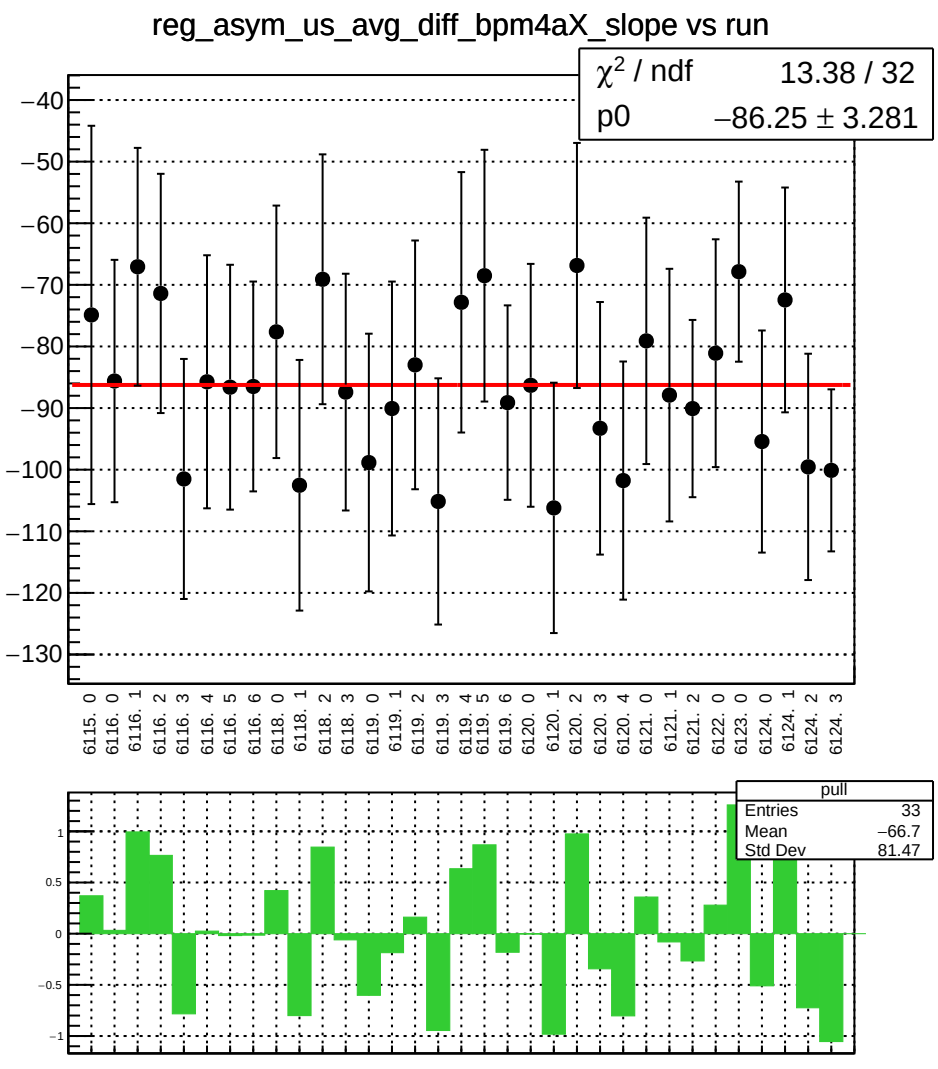

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 27.47 / 32
p0 −0.4111 ± 0.369
6
4
2
0
−2
−4
−6
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 19.18
Std Dev 24.03
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.03739
Std Dev 0.9116
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

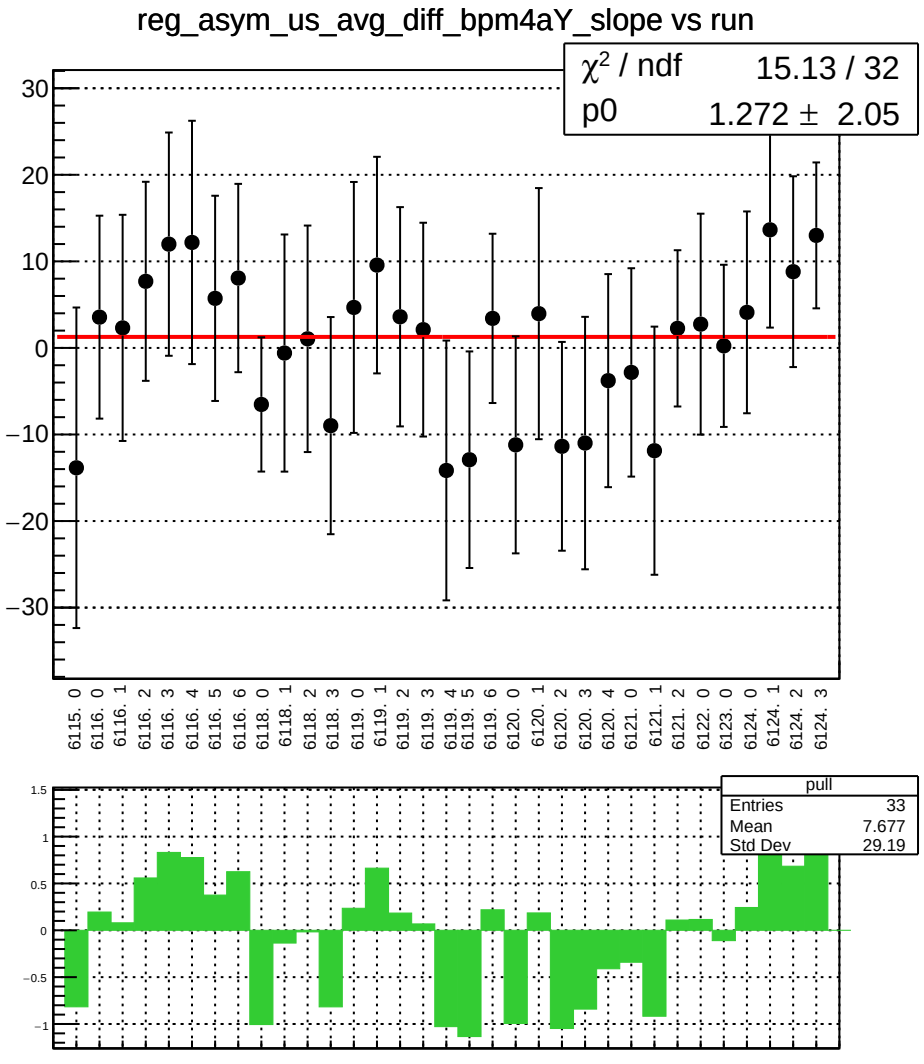

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 24.38 / 32
p0 0.04876 ± 0.2118
4
3
2
1
0
−1
−2
−3
−4
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −74.12
Std Dev 90.67
1.5
1
0.5
0
−0.5
−1
−1.5

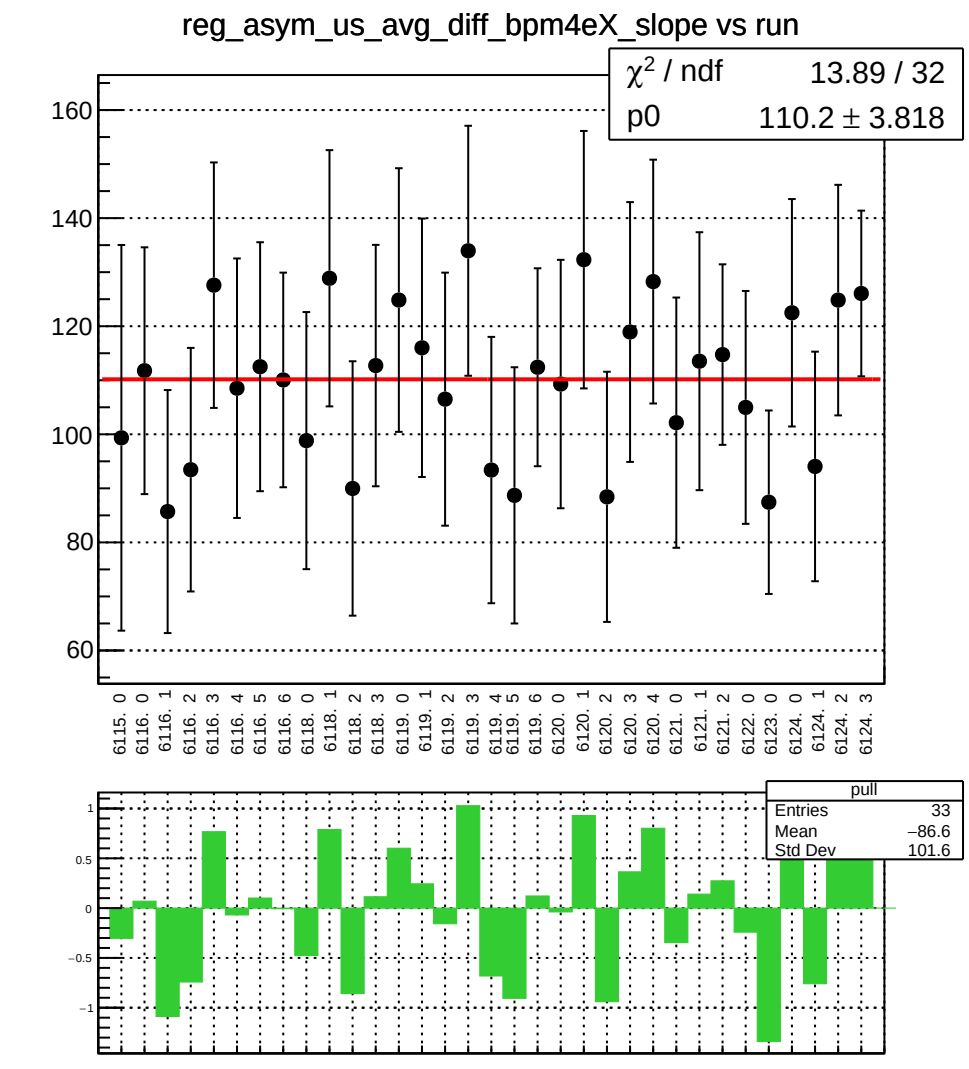

pull1D
Entries 33
Mean 0.01846
Std Dev 0.8594
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

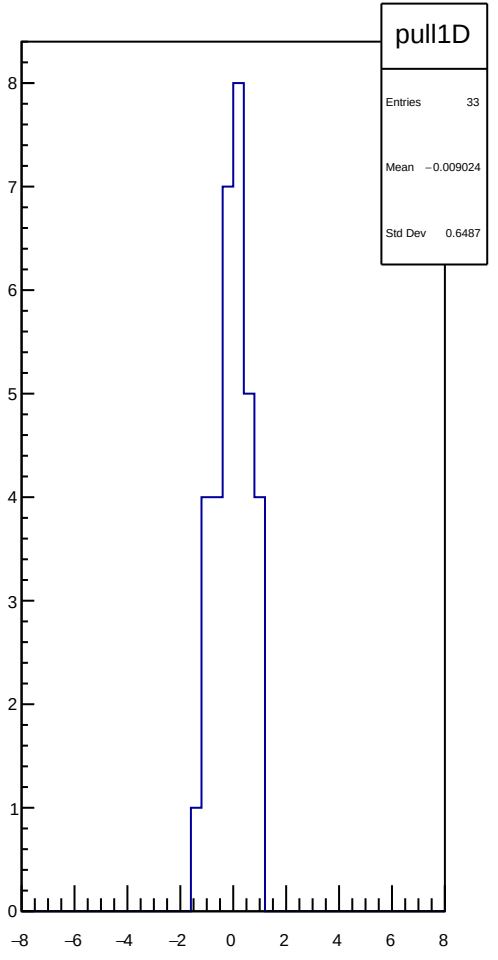

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 21.51 / 32
p0 0.02432 ± 0.01615
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −324.2
Std Dev 336.2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

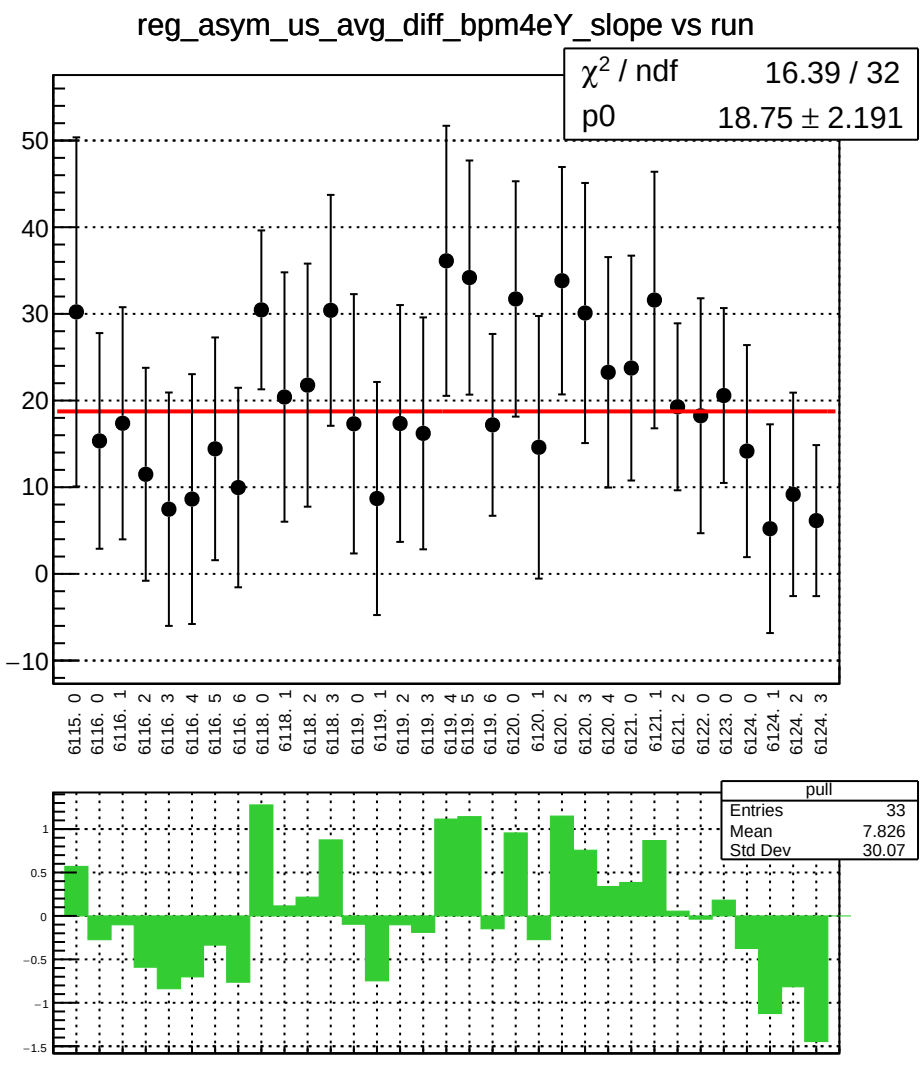

pull1D
Entries 33
Mean 0.004606
Std Dev 0.8074
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

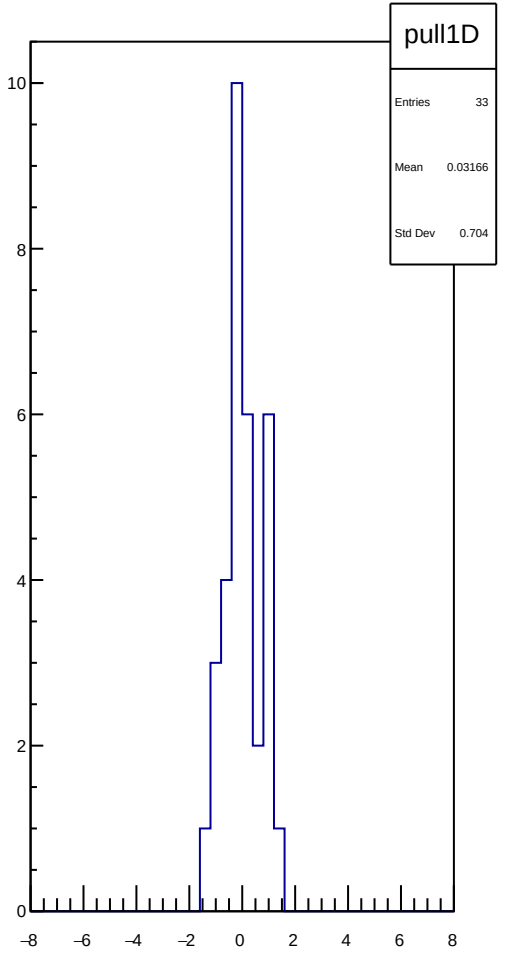

reg_asym_us_avg_diff_bpm4aX_slope vs run
χ² / ndf 13.38 / 32
p0 −86.25 ± 3.281
−40
−50
−60
−70
−80
−90
−100
−110
−120
−130
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −66.7
Std Dev 81.47
1
0.5
0
−0.5
−1
pull1D
Entries 33
Mean 0.01171
Std Dev 0.6367
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

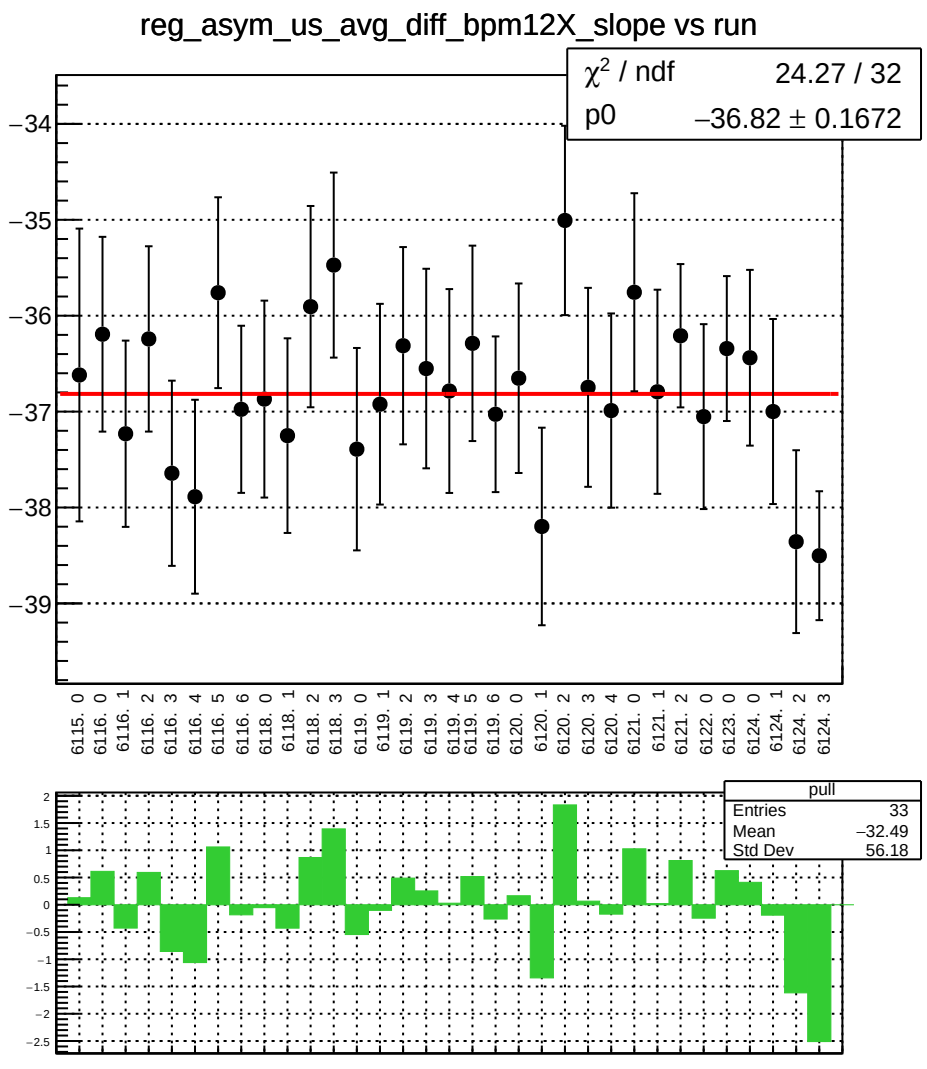

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 15.13 / 32
p0 1.272 ± 2.05
30
20
10
0
−10
−20
−30
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 7.677
Std Dev 29.19
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 33
Mean −0.02978
Std Dev 0.6764
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

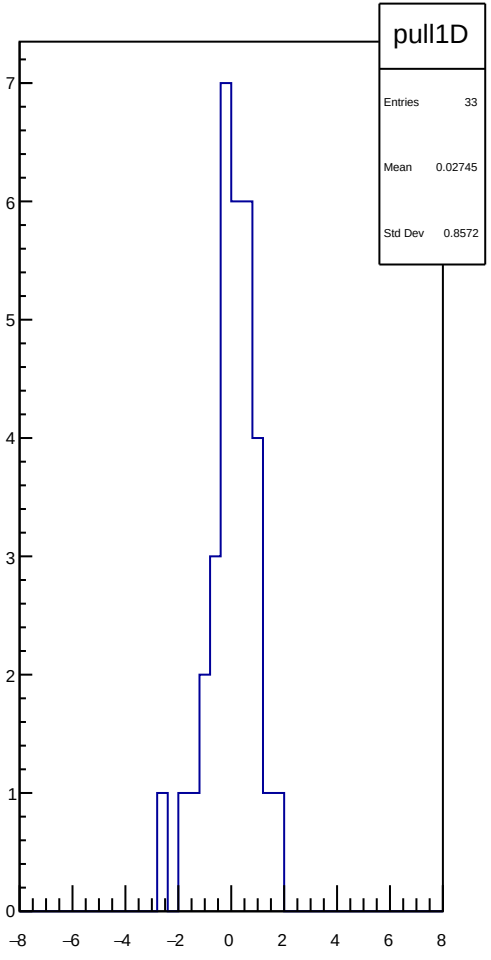

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 13.89 / 32
p0 110.2 ± 3.818
160
140
120
100
80
60
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −86.6
Std Dev 101.6
1
0.5
0
−0.5
−1

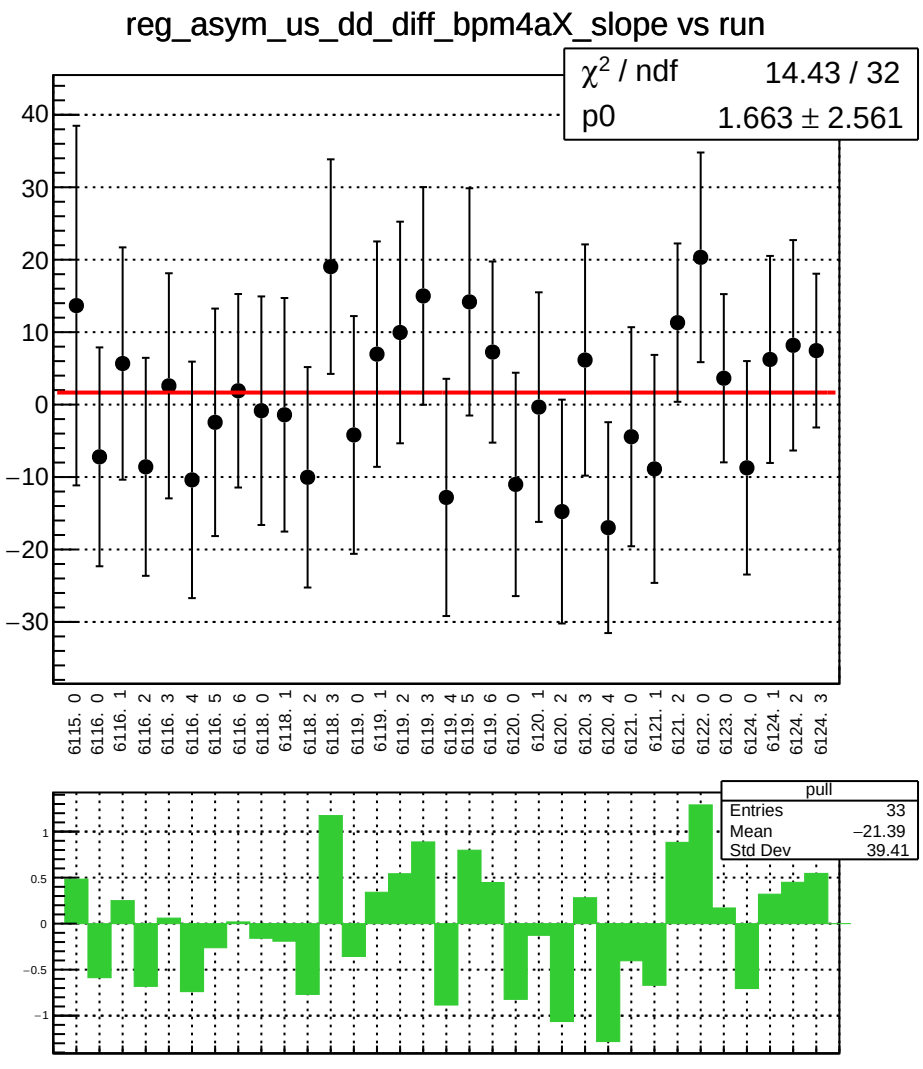

pull1D
Entries 33
Mean −0.009024
Std Dev 0.6487
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

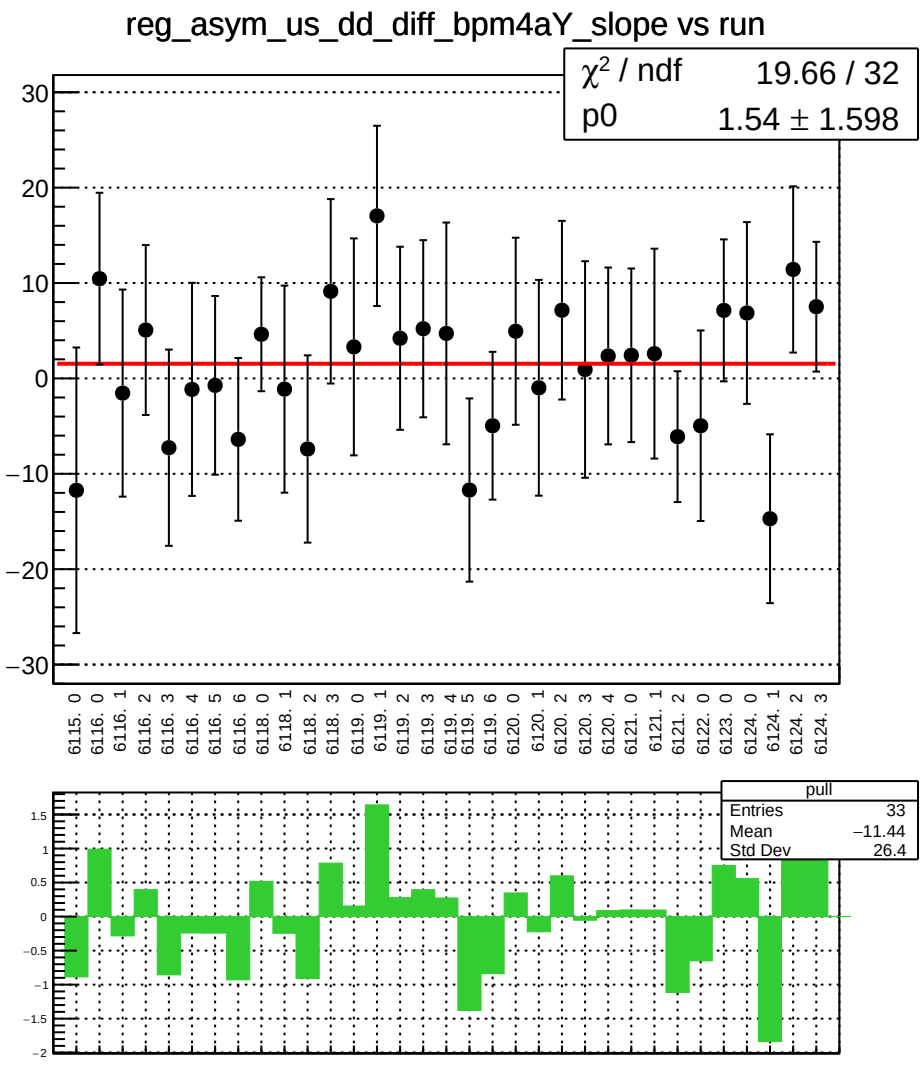

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 16.39 / 32
p0 18.75 ± 2.191
50
40
30
20
10
0
−10
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 7.826
Std Dev 30.07
1
0.5
0
−0.5
−1
−1.5

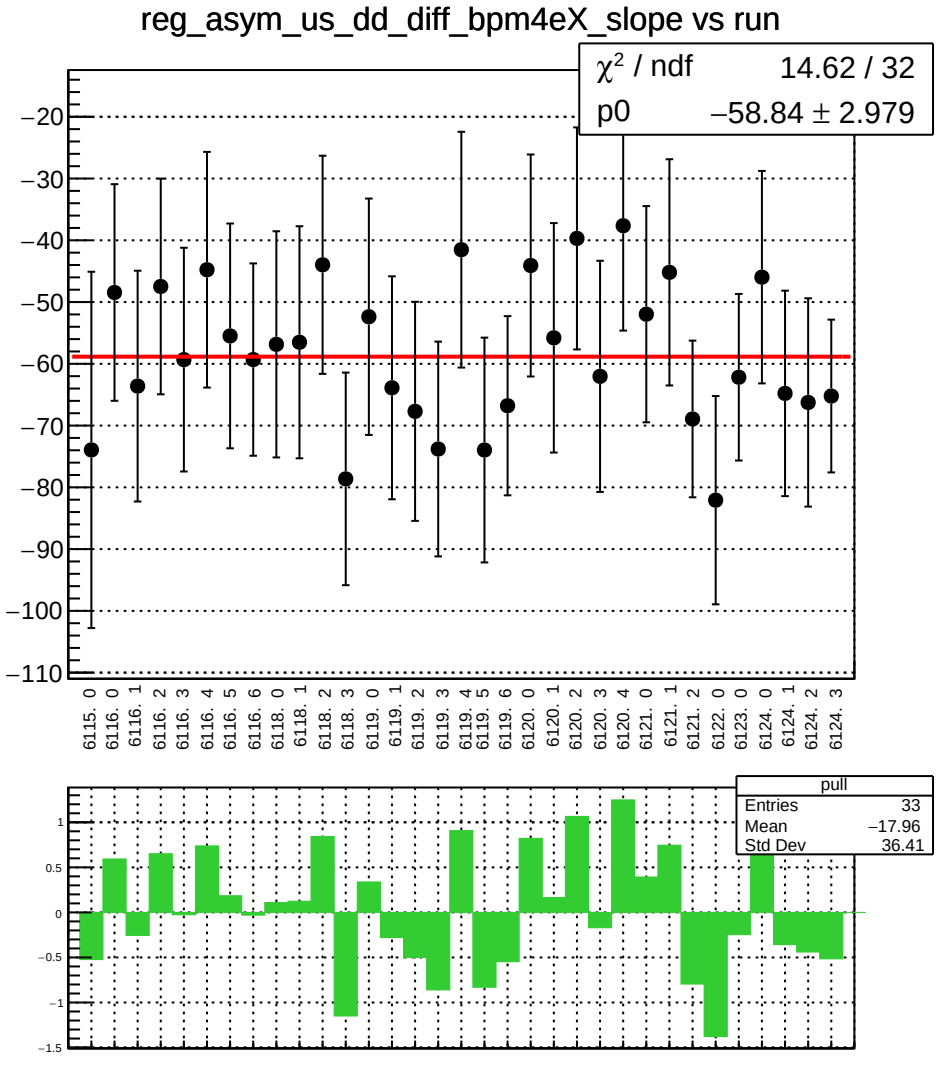

pull1D
Entries 33
Mean 0.03166
Std Dev 0.704
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

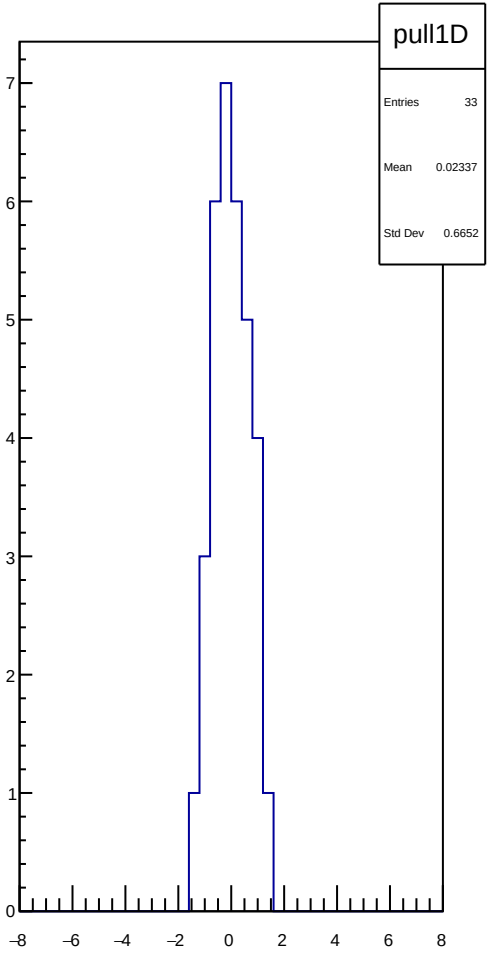

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 24.27 / 32
p0 −36.82 ± 0.1672
−34
−35
−36
−37
−38
−39
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −32.49
Std Dev 56.18
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

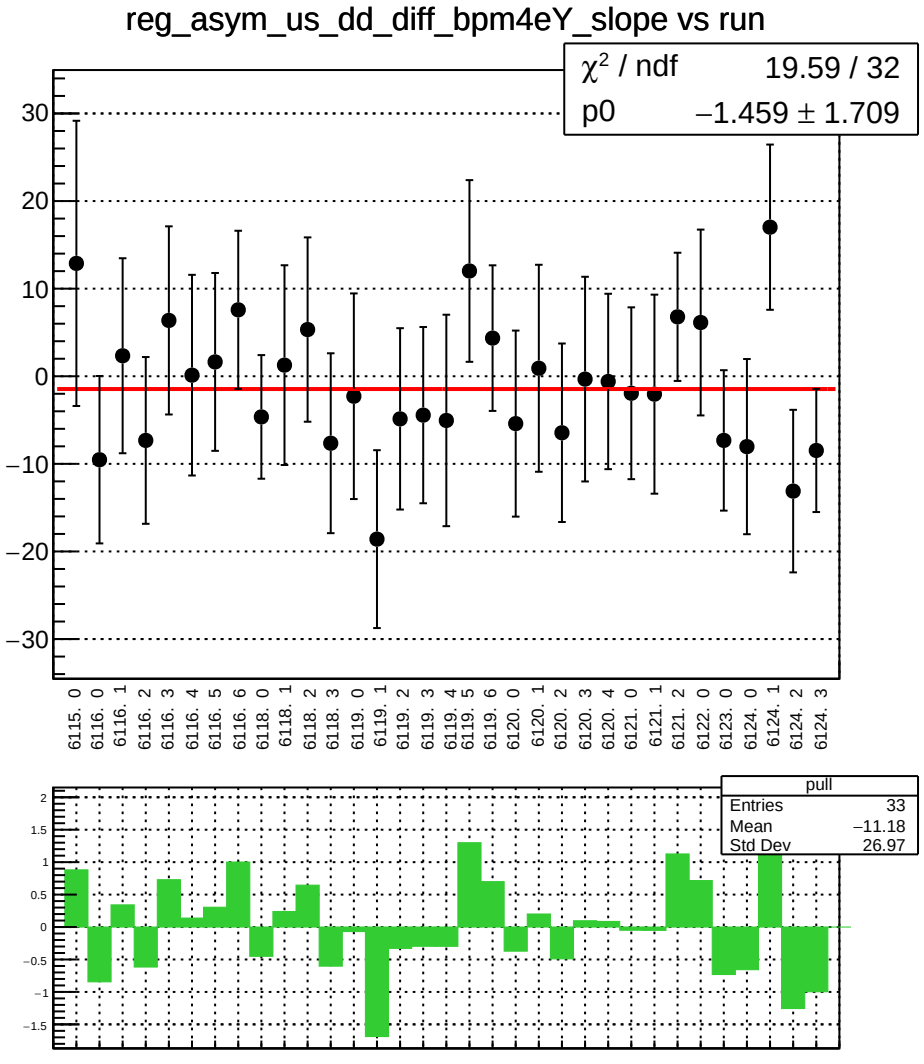

pull1D
Entries 33
Mean 0.02745
Std Dev 0.8572
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

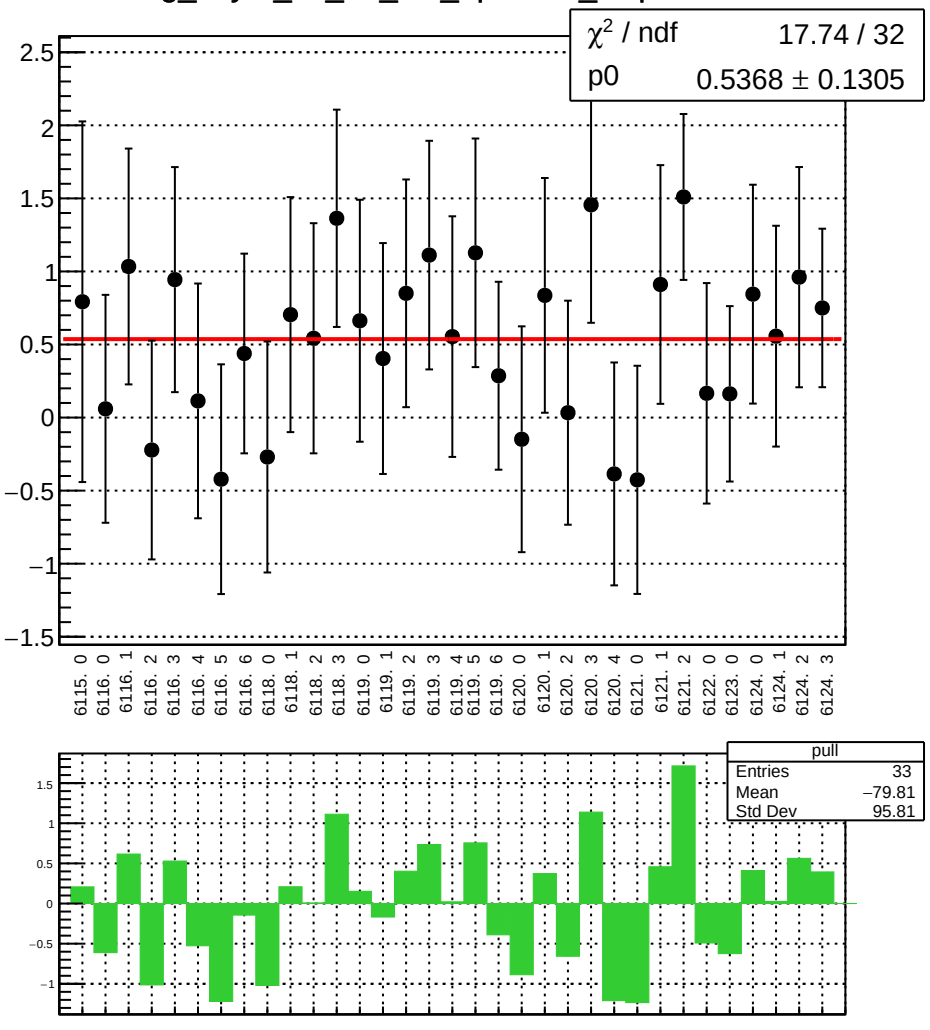

reg_asym_us_dd_diff_bpm4aX_slope vs run
χ² / ndf 14.43 / 32
p0 1.663 ± 2.561
40
30
20
10
0
−10
−20
−30
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −21.39
Std Dev 39.41
1
0.5
0
−0.5
−1
pull1D
Entries 33
Mean −0.02302
Std Dev 0.6608
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

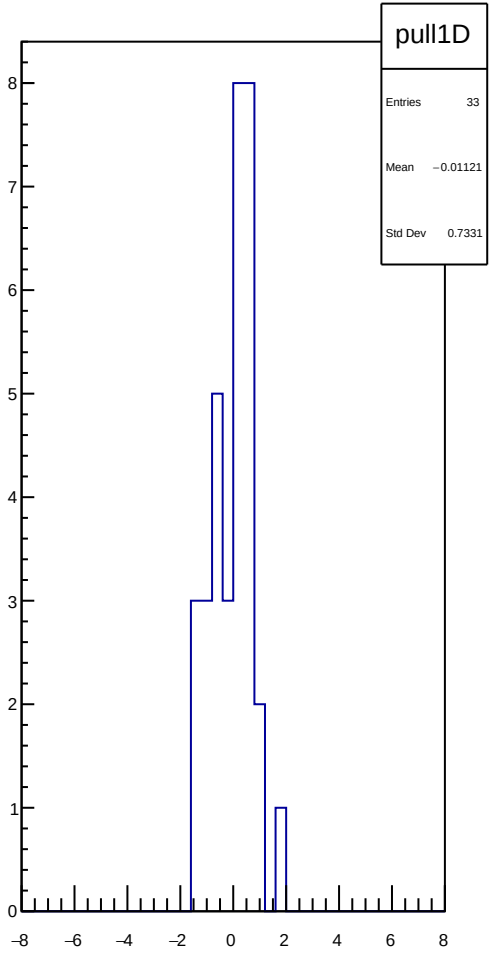

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 19.66 / 32
p0 1.54 ± 1.598
30
20
10
0
−10
−20
−30
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −11.44
Std Dev 26.4
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.0215
Std Dev 0.7715
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

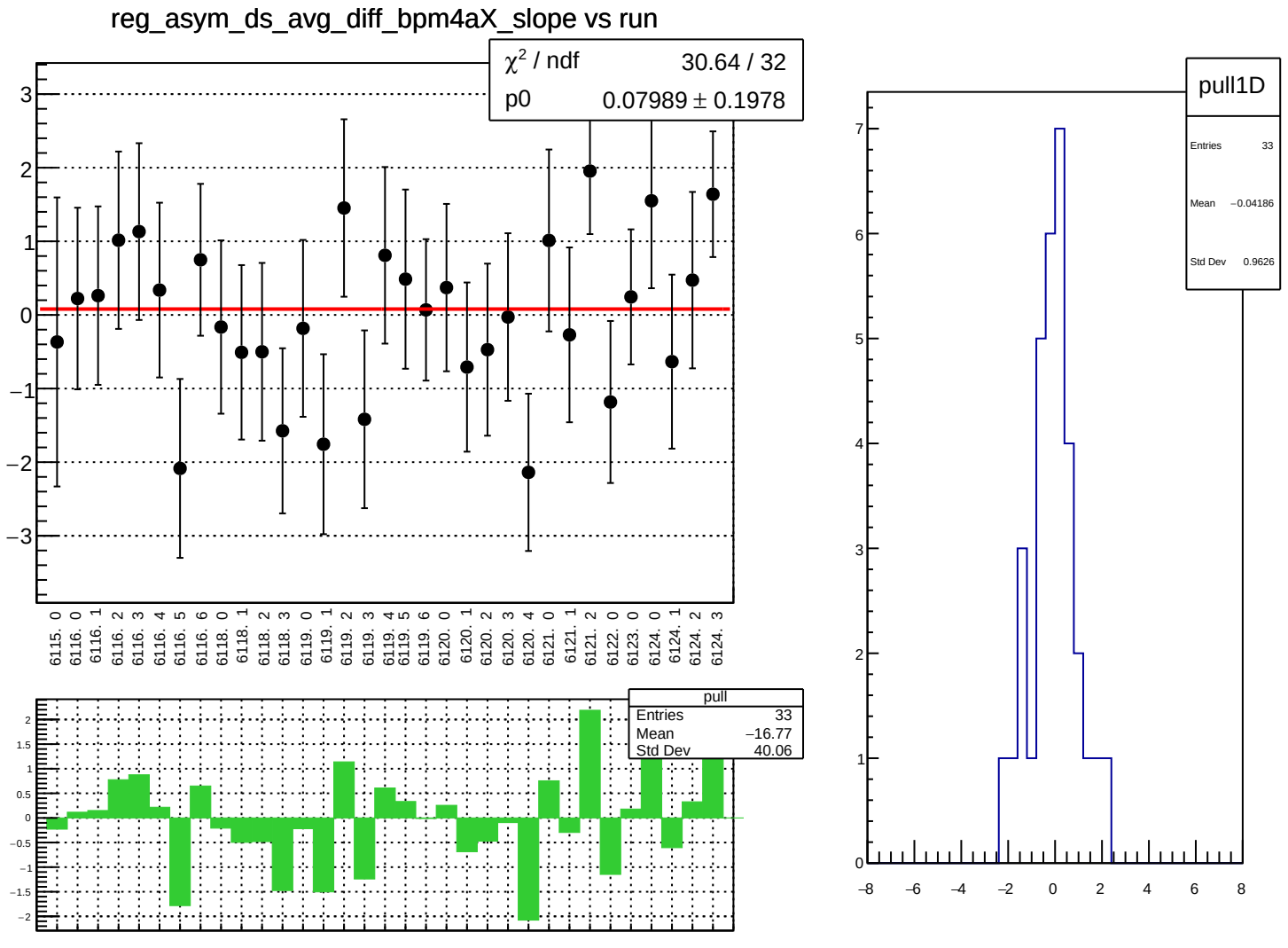

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 14.62 / 32
p0 −58.84 ± 2.979
−20
−30
−40
−50
−60
−70
−80
−90
−100
−110
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −17.96
Std Dev 36.41
1
0.5
0
−0.5
−1
−1.5

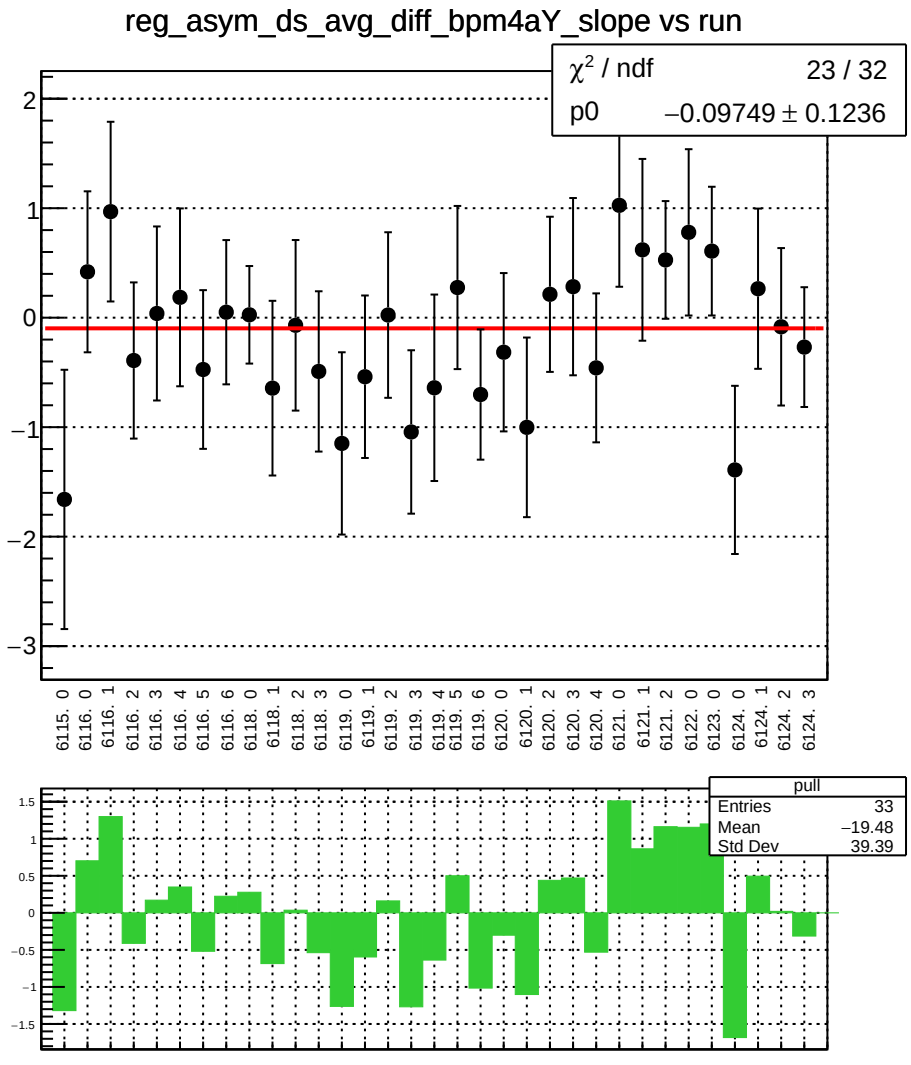

pull1D
Entries 33
Mean 0.02337
Std Dev 0.6652
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

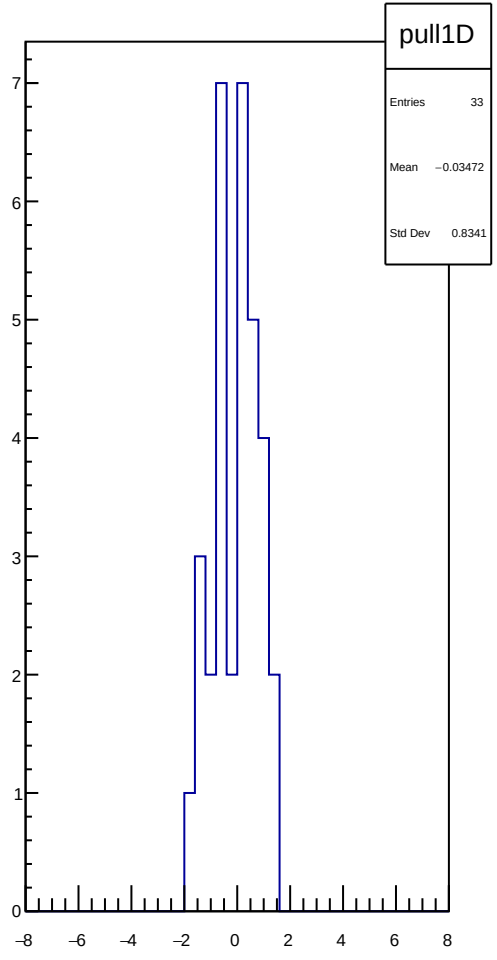

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 19.59 / 32
p0 −1.459 ± 1.709
30
20
10
0
−10
−20
−30
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −11.18
Std Dev 26.97
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.02021
Std Dev 0.7702
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

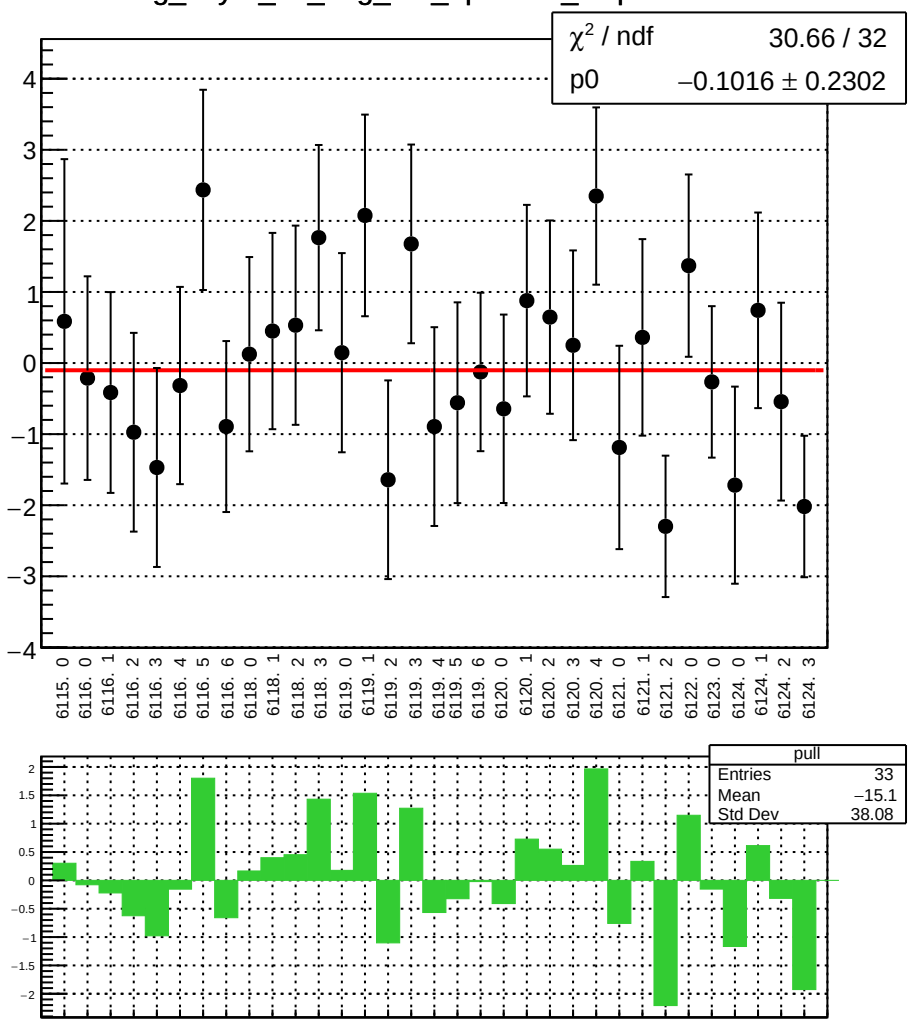

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 17.74 / 32
p0 0.5368 ± 0.1305
pull
Entries 33
Mean −79.81
Std Dev 95.81

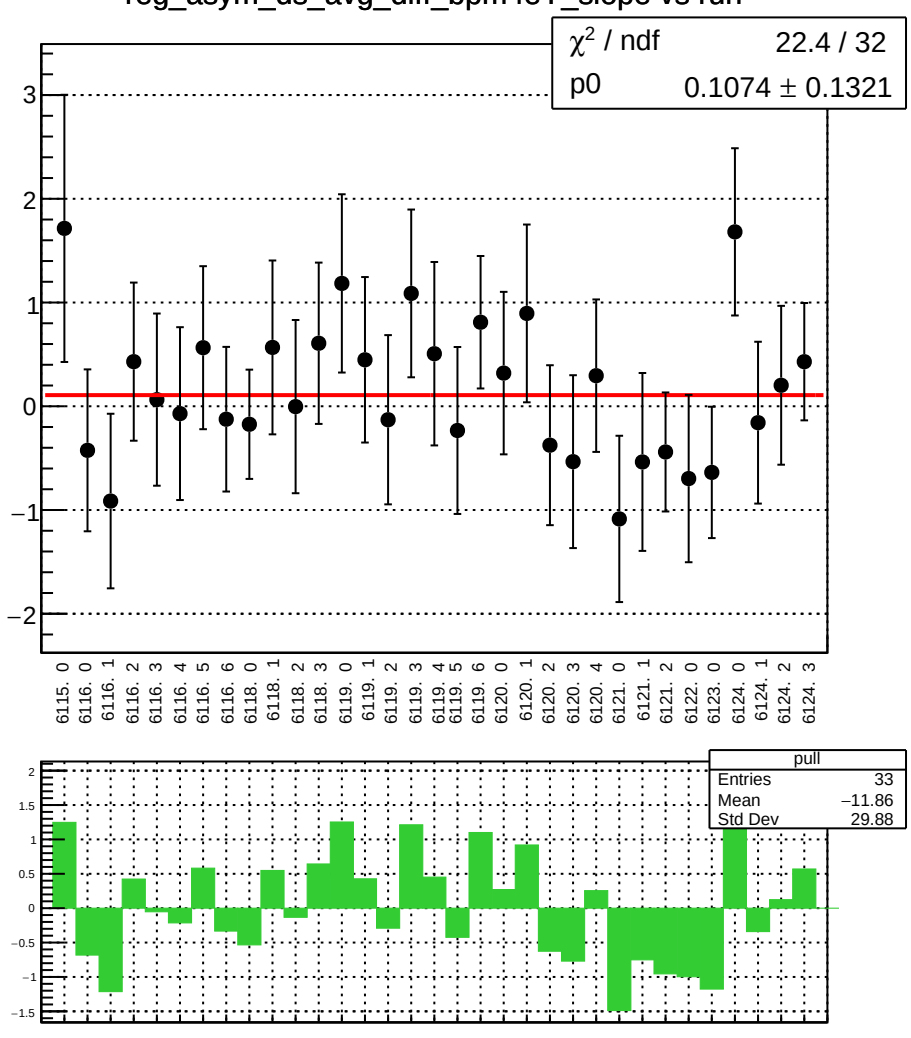

pull1D
Entries 33
Mean −0.01121
Std Dev 0.7331

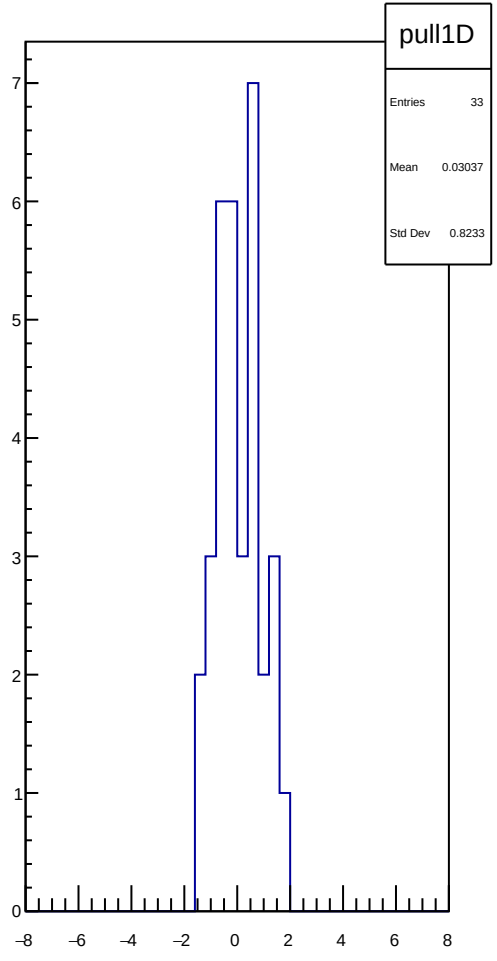

reg_asym_ds_avg_diff_bpm4aX_slope vs run
χ² / ndf 30.64 / 32
p0 0.07989 ± 0.1978
3
2
1
0
−1
−2
−3
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −16.77
Std Dev 40.06
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.04186
Std Dev 0.9626
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

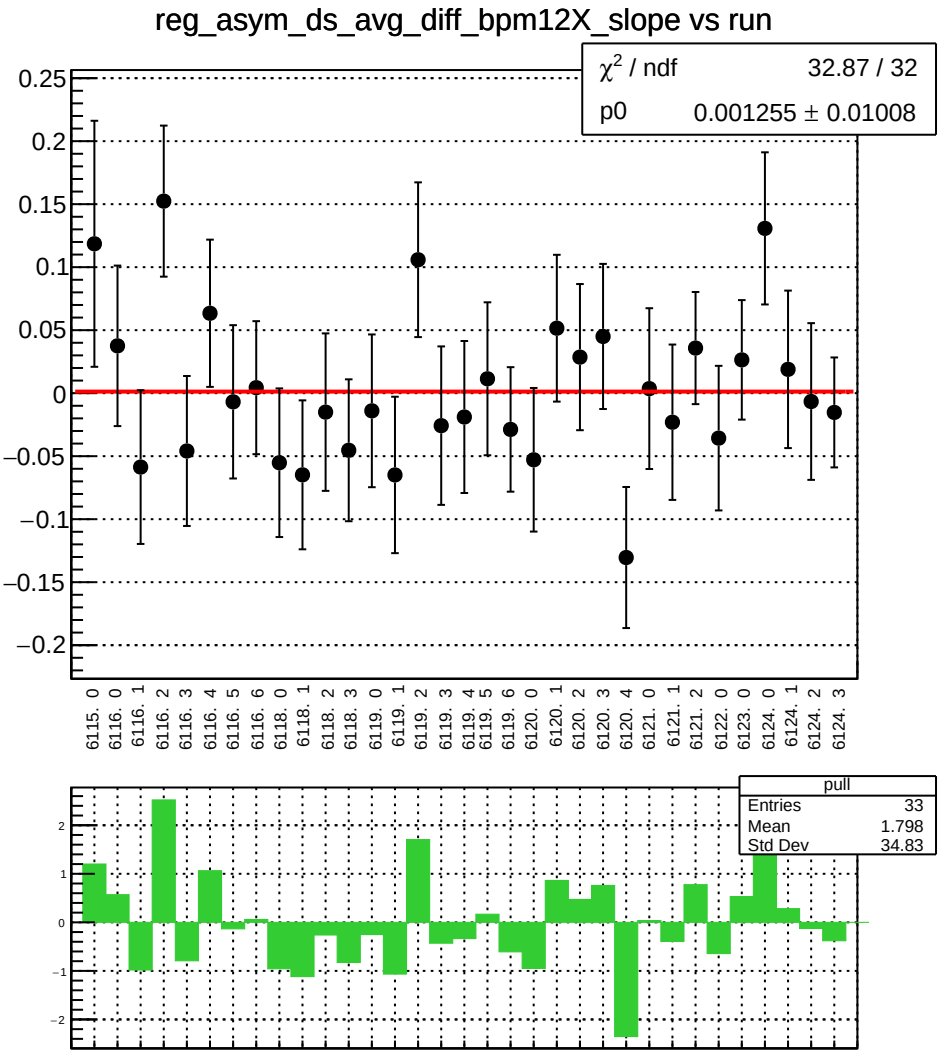

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 23 / 32
p0 −0.09749 ± 0.1236
pull
Entries 33
Mean −19.48
Std Dev 39.39

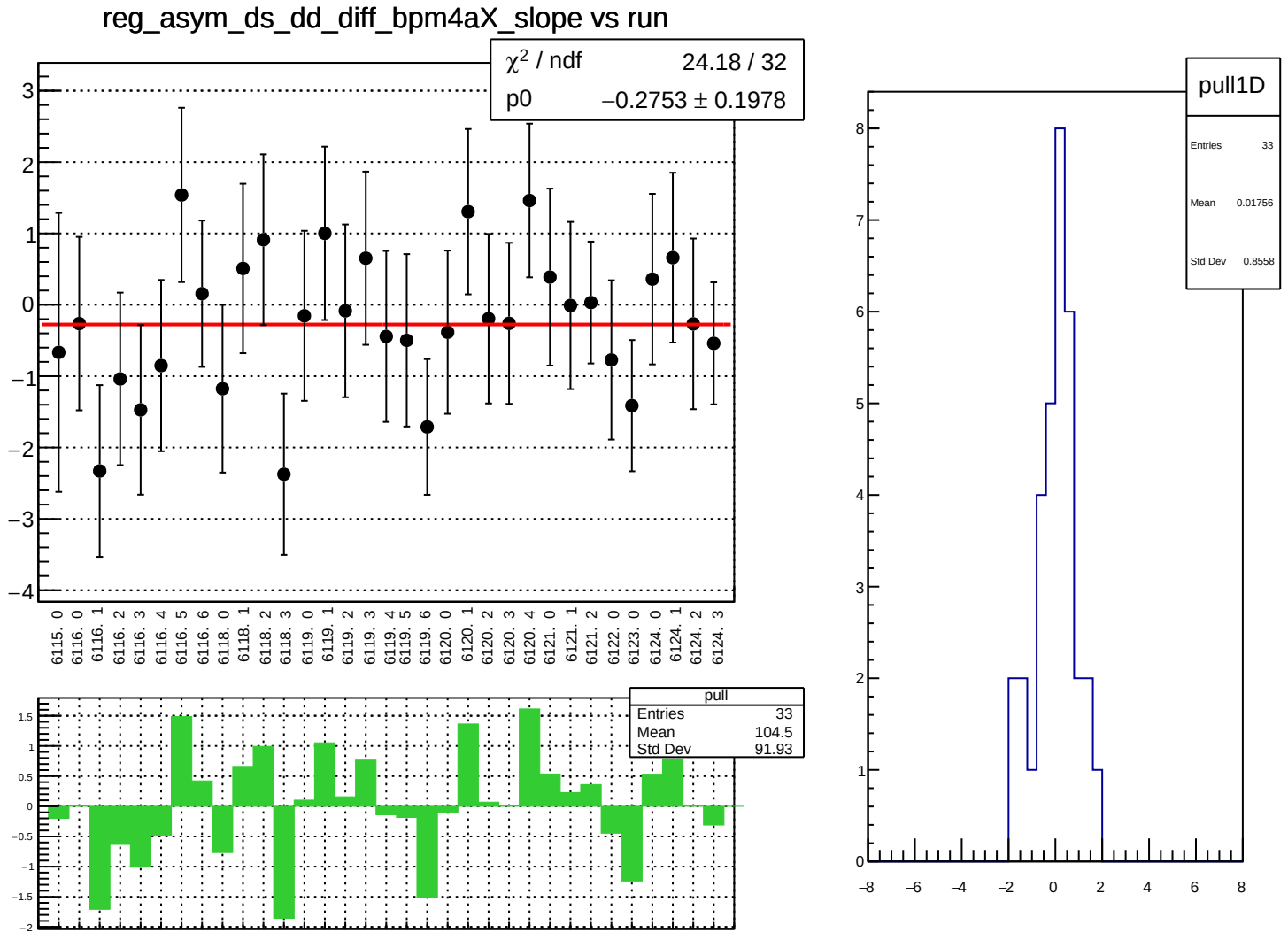

pull1D
Entries 33
Mean −0.03472
Std Dev 0.8341

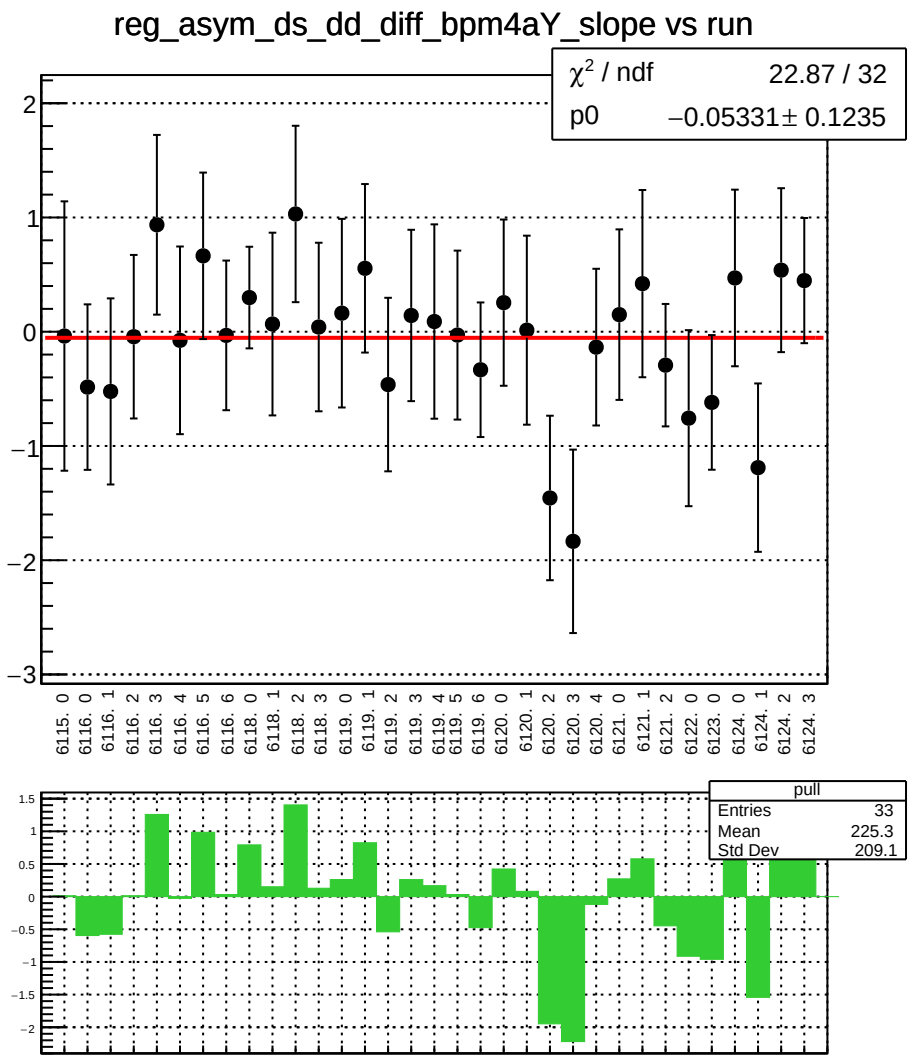

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 30.66 / 32
p0 −0.1016 ± 0.2302
pull
Entries 33
Mean −15.1
Std Dev 38.08
pull1D
Entries 33
Mean 0.04468
Std Dev 0.9629

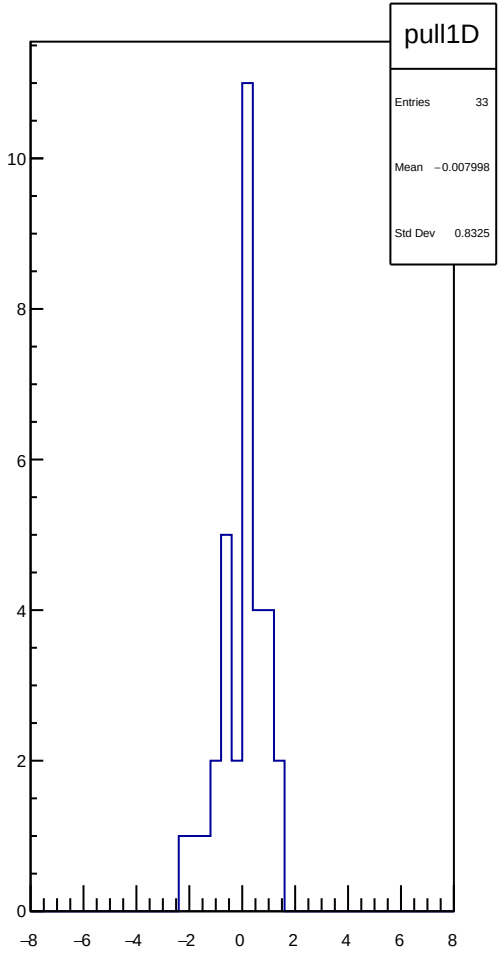

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 22.4 / 32
p0 0.1074 ± 0.1321
pull
Entries 33
Mean −11.86
Std Dev 29.88

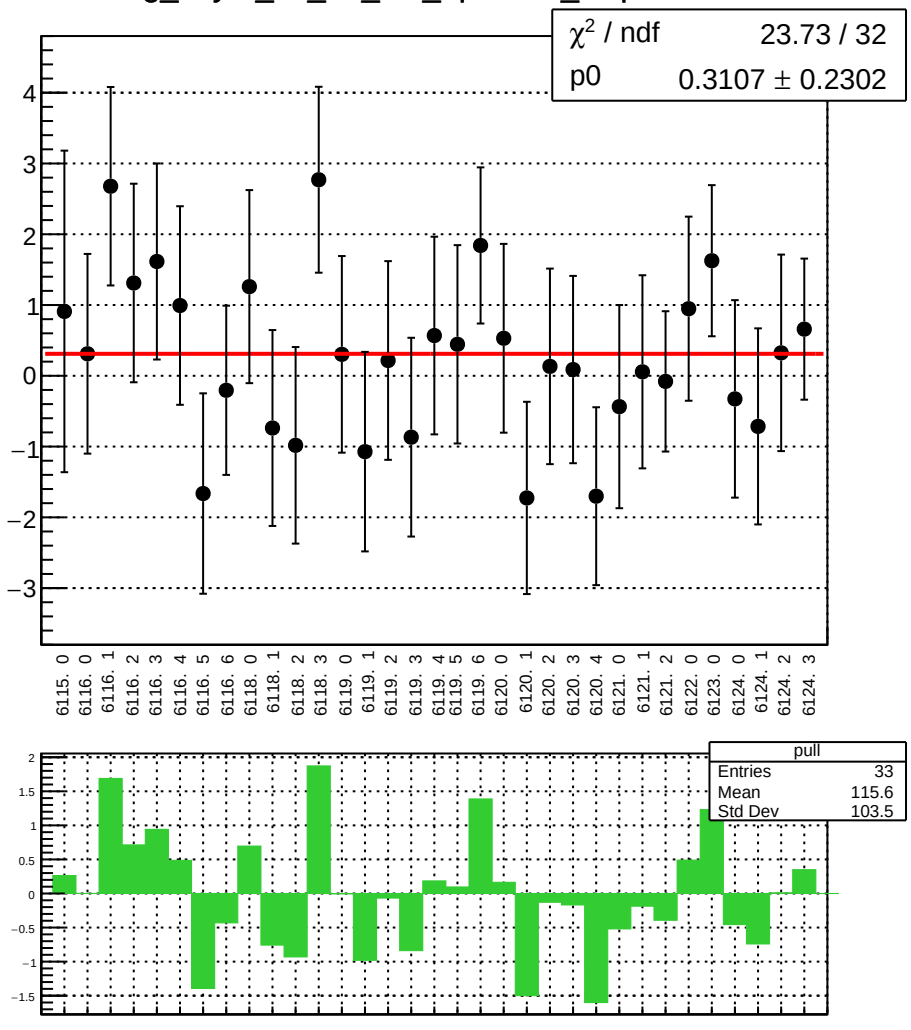

pull1D
Entries 33
Mean 0.03037
Std Dev 0.8233

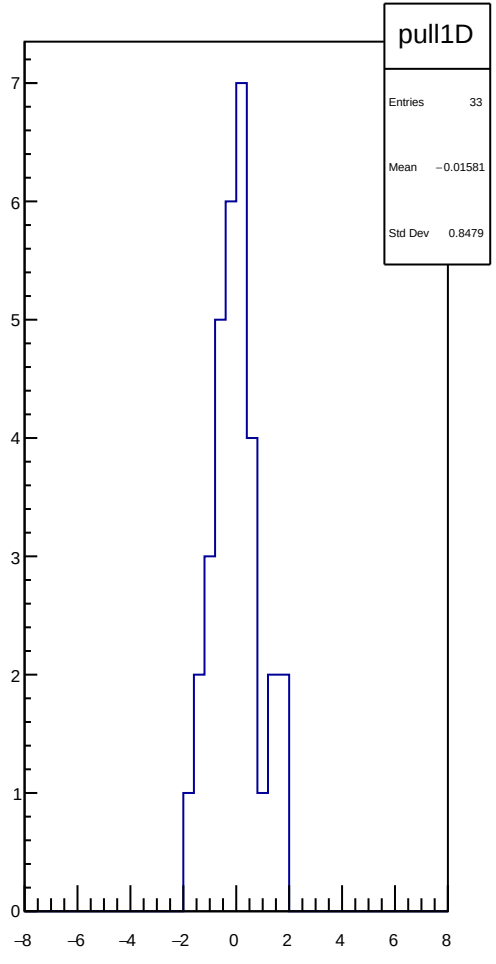

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 32.87 / 32
p0 0.001255 ± 0.01008
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 1.798
Std Dev 34.83
2
1
0
−1
−2
pull1D
Entries 33
Mean 0.01672
Std Dev 0.9978
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

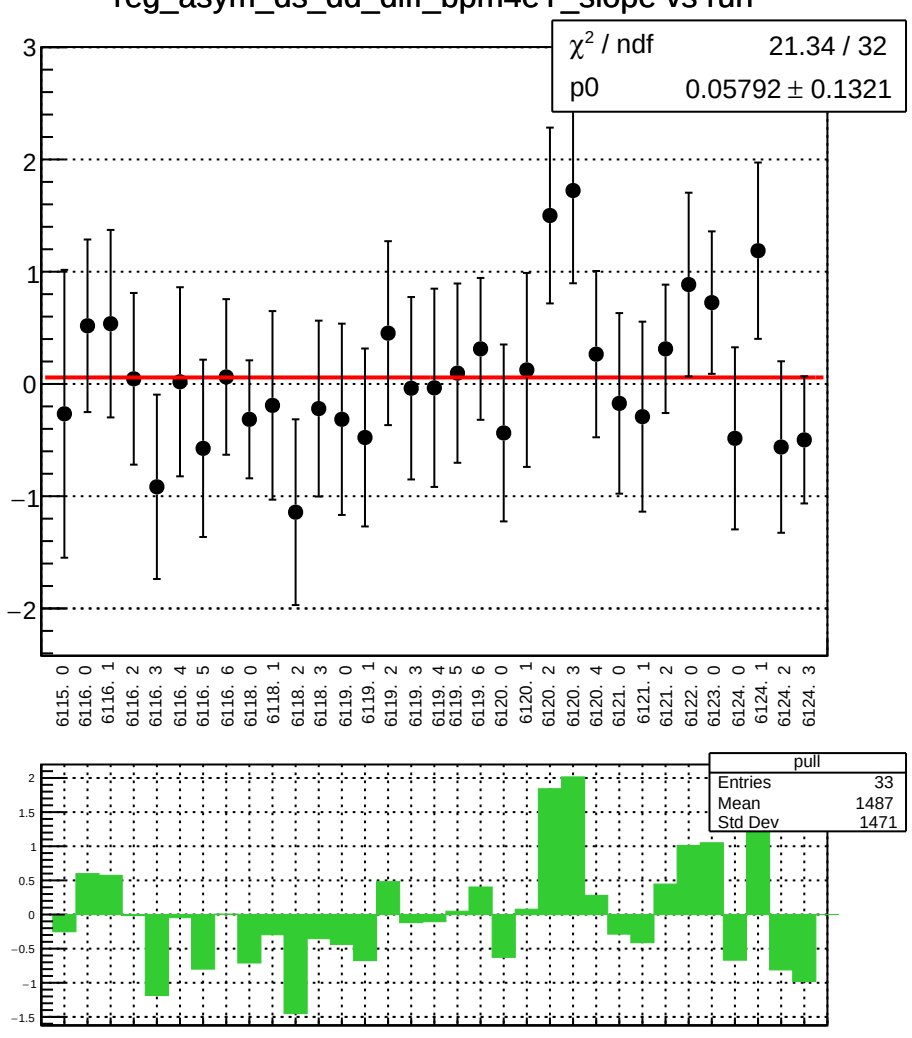

reg_asym_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 24.18 / 32
p0 −0.2753 ± 0.1978
3
2
1
0
−1
−2
−3
−4
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 104.5
Std Dev 91.93
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.01756
Std Dev 0.8558
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

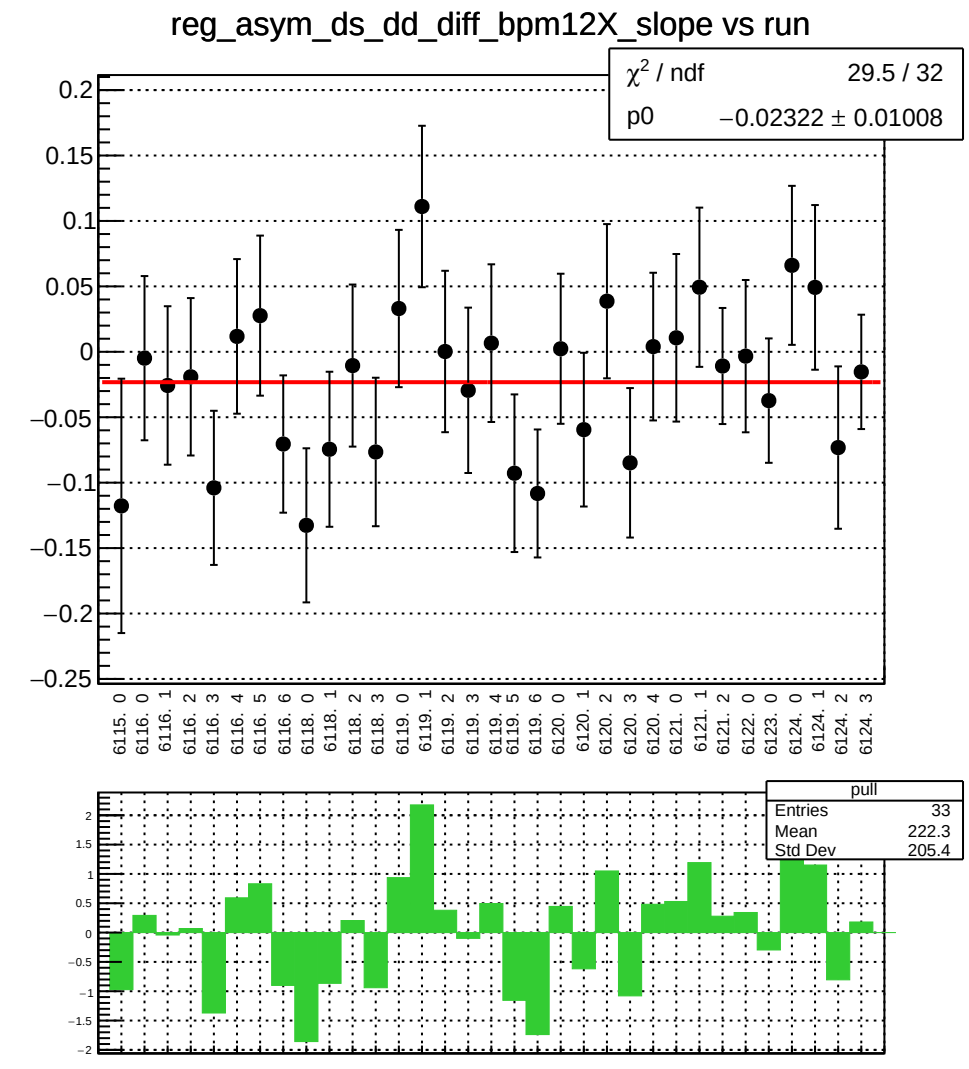

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 22.87 / 32
p0 −0.05331± 0.1235
pull
Entries 33
Mean 225.3
Std Dev 209.1

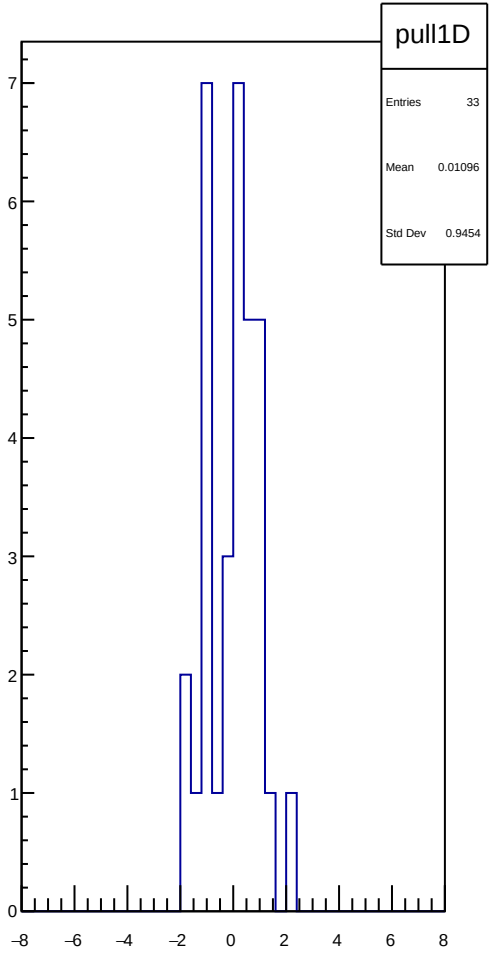

pull1D
Entries 33
Mean −0.007998
Std Dev 0.8325

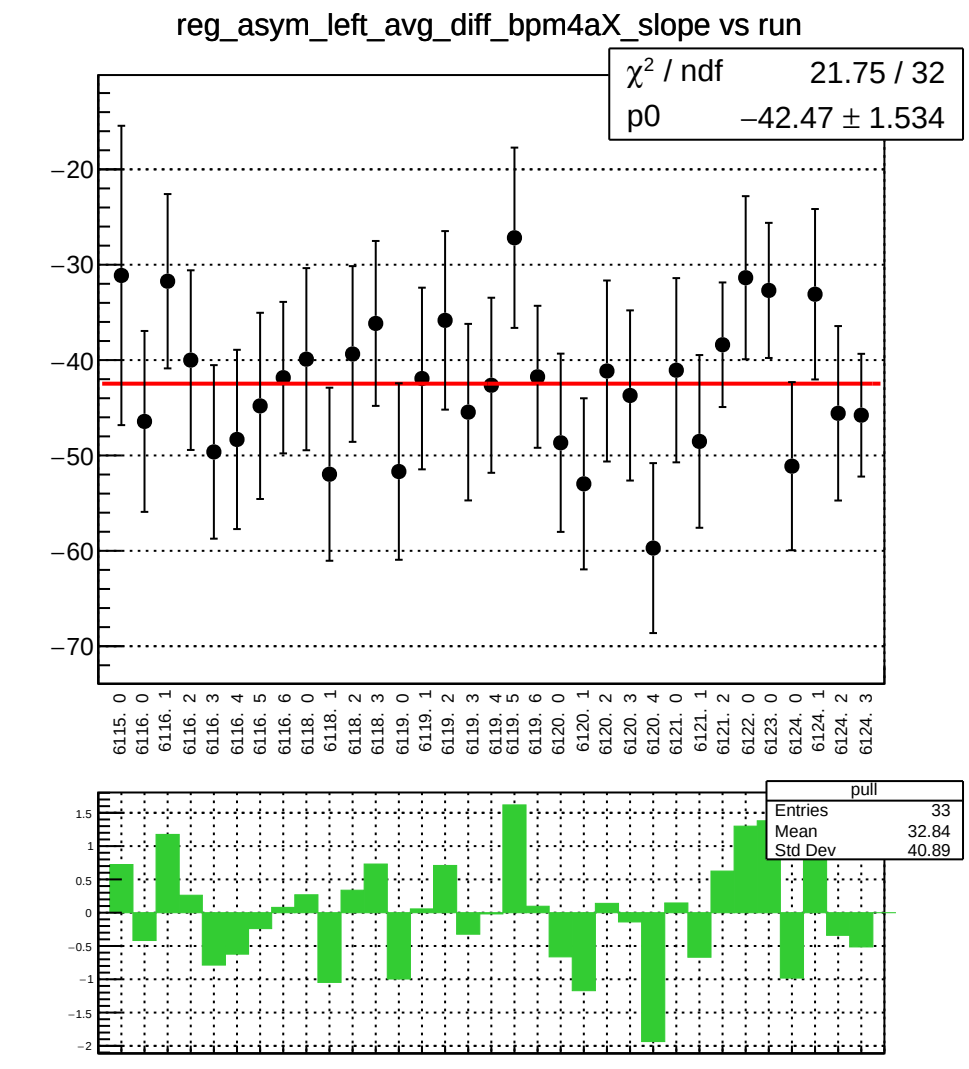

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 23.73 / 32
p0 0.3107 ± 0.2302
pull
Entries 33
Mean 115.6
Std Dev 103.5

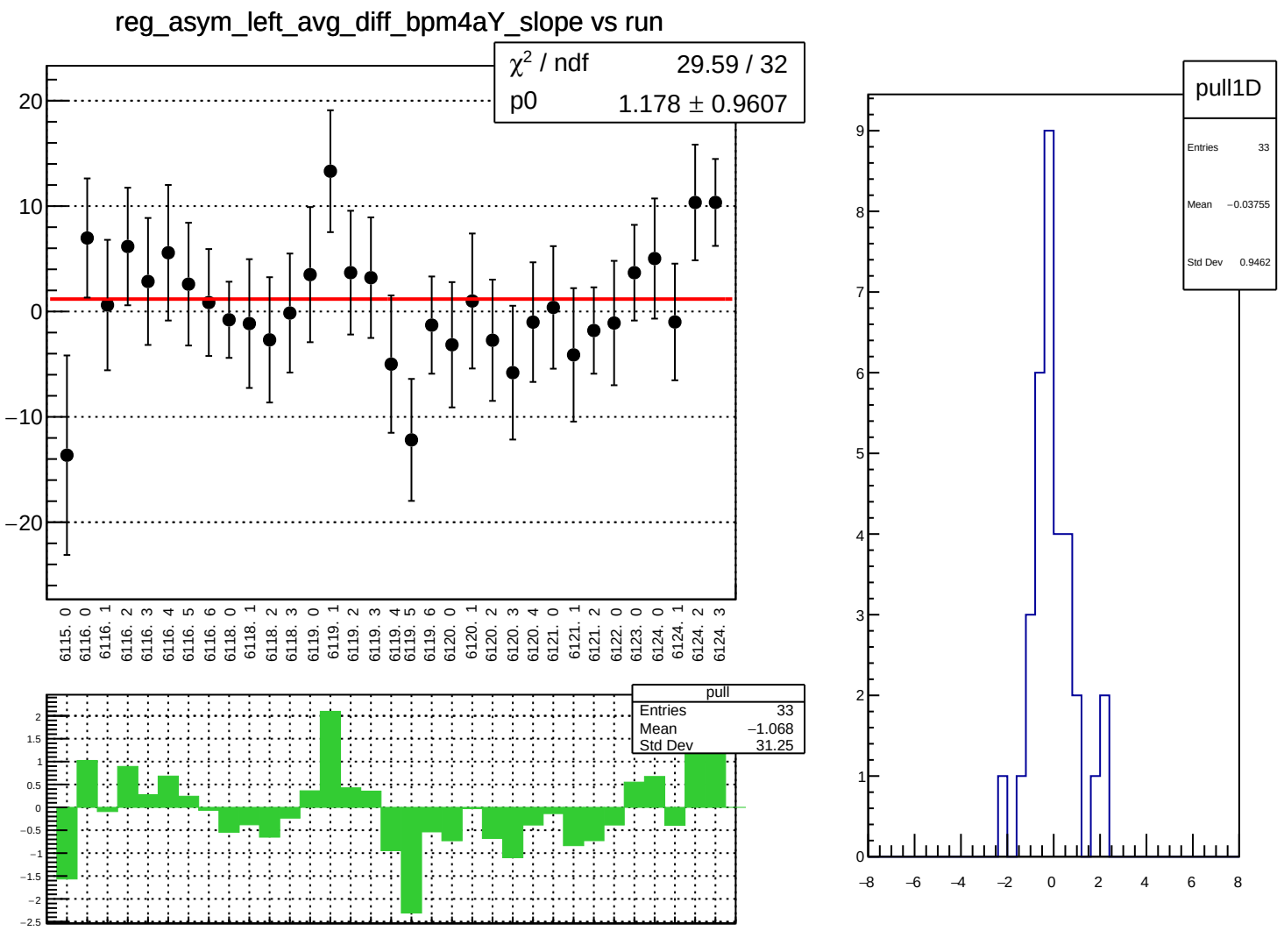

pull1D
Entries 33
Mean −0.01581
Std Dev 0.8479

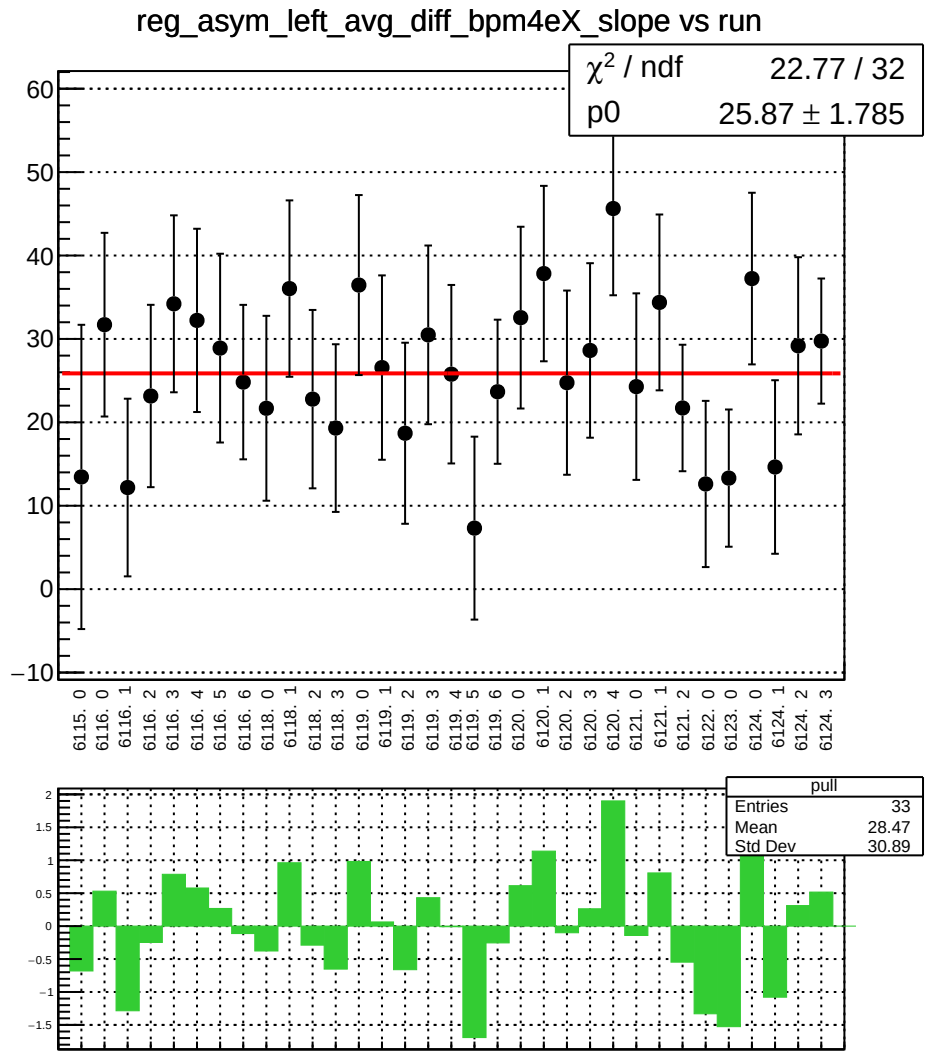

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 21.34 / 32
p0 0.05792 ± 0.1321
3
2
1
0
−1
−2
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 1487
Std Dev 1471
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.001224
Std Dev 0.8042
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

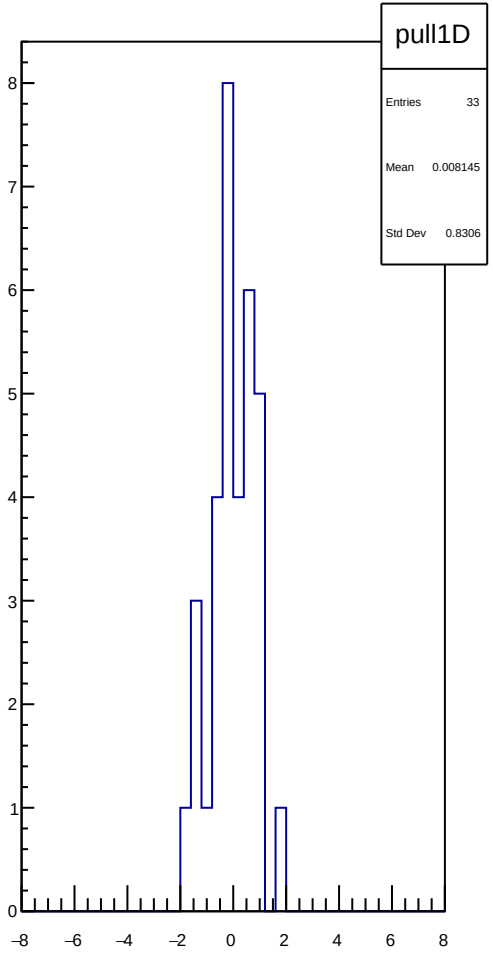

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 29.5 / 32
p0 −0.02322 ± 0.01008
pull
Entries 33
Mean 222.3
Std Dev 205.4

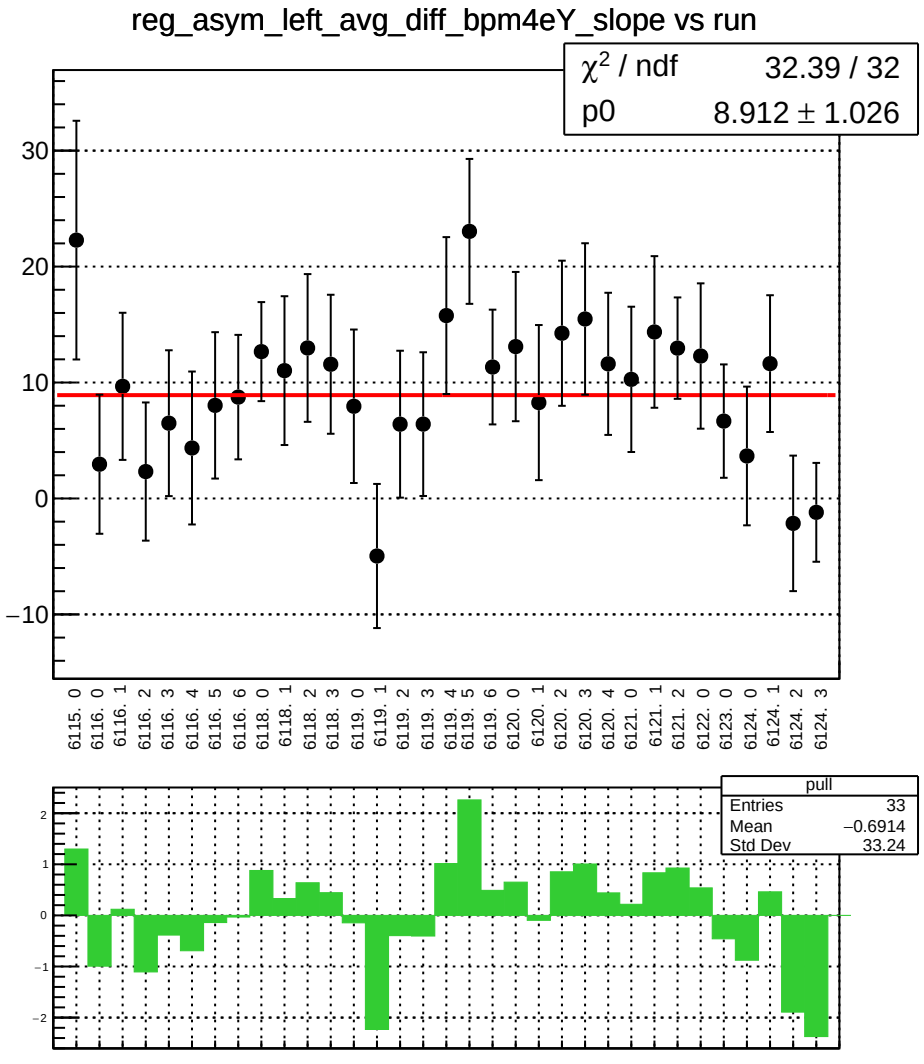

pull1D
Entries 33
Mean 0.01096
Std Dev 0.9454

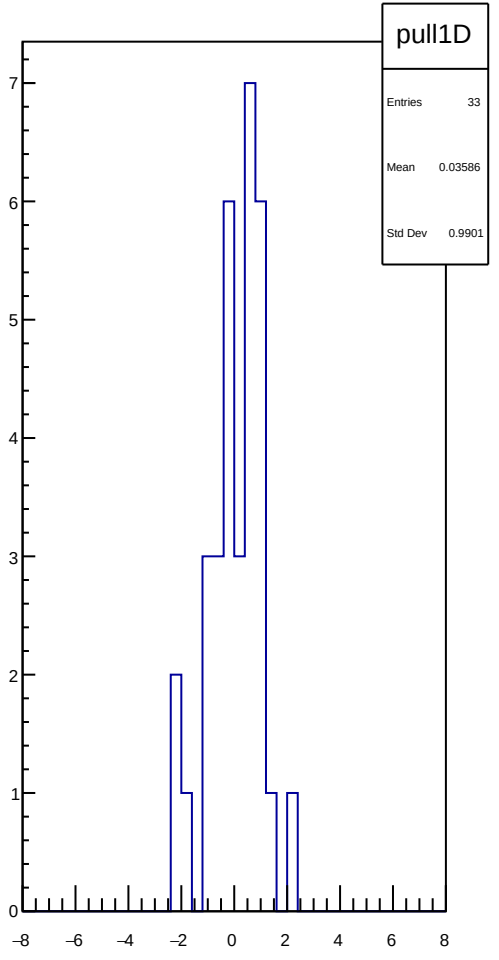

reg_asym_left_avg_diff_bpm4aX_slope vs run
χ² / ndf 21.75 / 32
p0 −42.47 ± 1.534
−20
−30
−40
−50
−60
−70
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 32.84
Std Dev 40.89
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.004951
Std Dev 0.8119
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

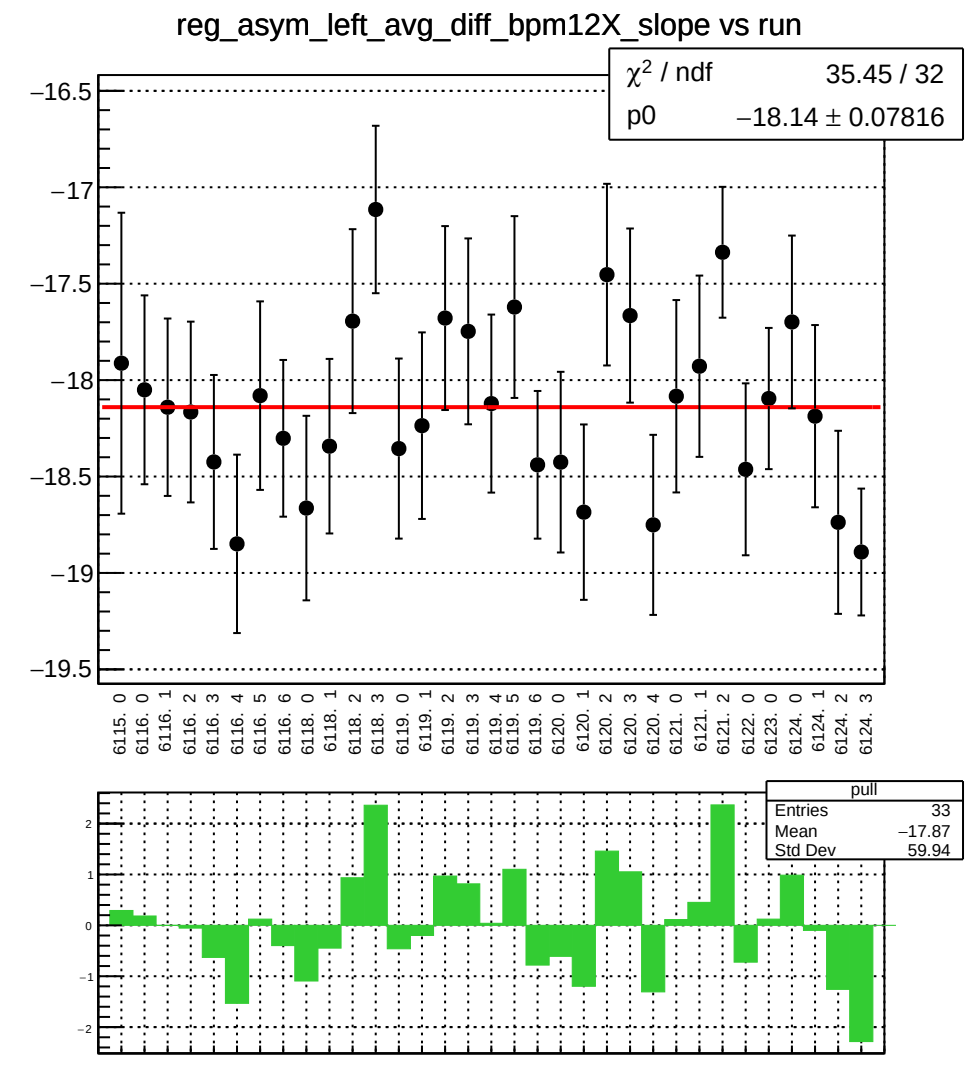

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 29.59 / 32
p0 1.178 ± 0.9607
20
10
0
−10
−20
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −1.068
Std Dev 31.25
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean −0.03755
Std Dev 0.9462
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

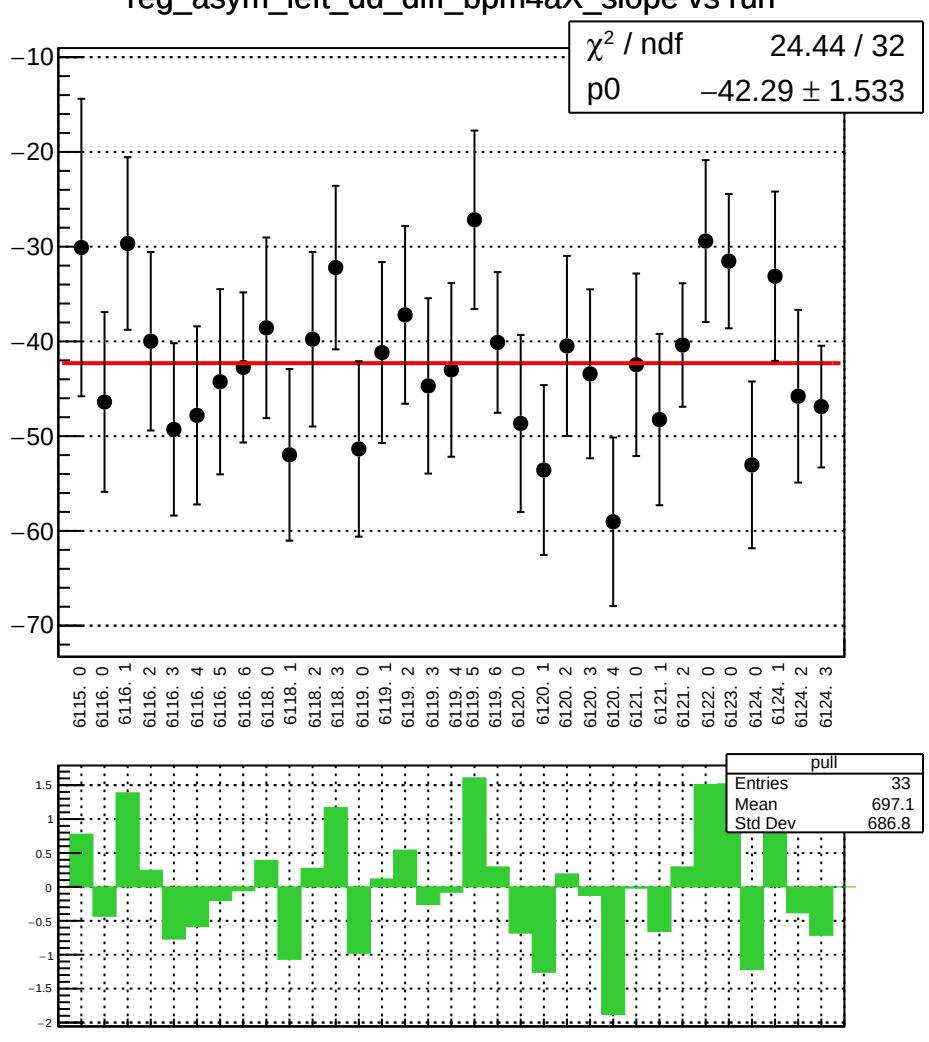

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 22.77 / 32
p0 25.87 ± 1.785
pull
Entries 33
Mean 28.47
Std Dev 30.89

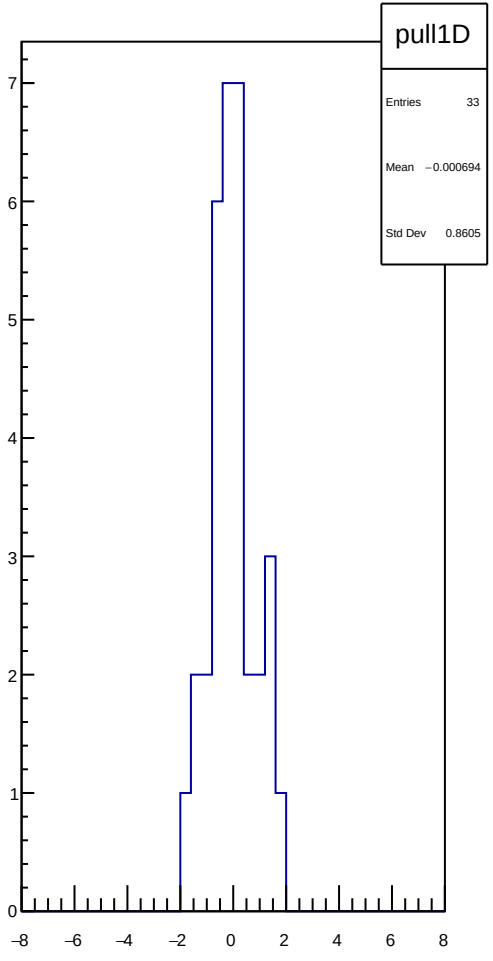

pull1D
Entries 33
Mean 0.008145
Std Dev 0.8306

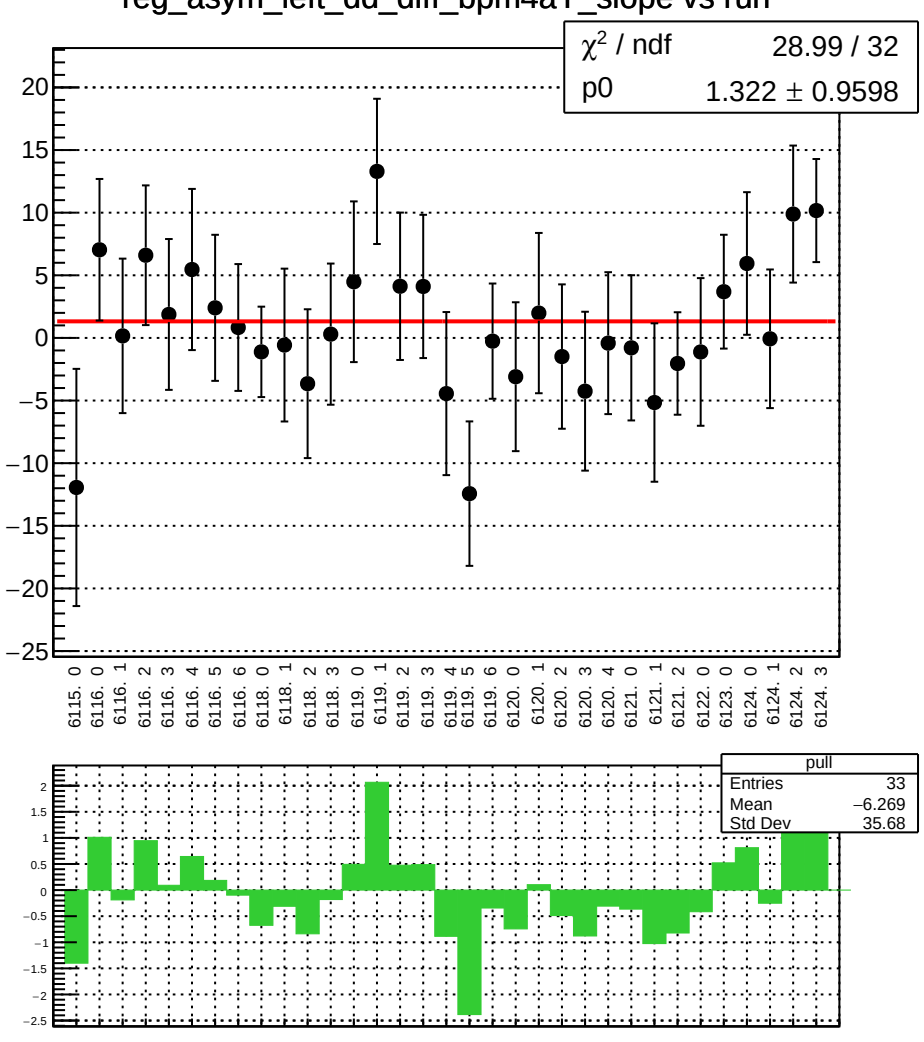

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 32.39 / 32
p0 8.912 ± 1.026
30
20
10
0
−10
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −0.6914
Std Dev 33.24
2
1
0
−1
−2

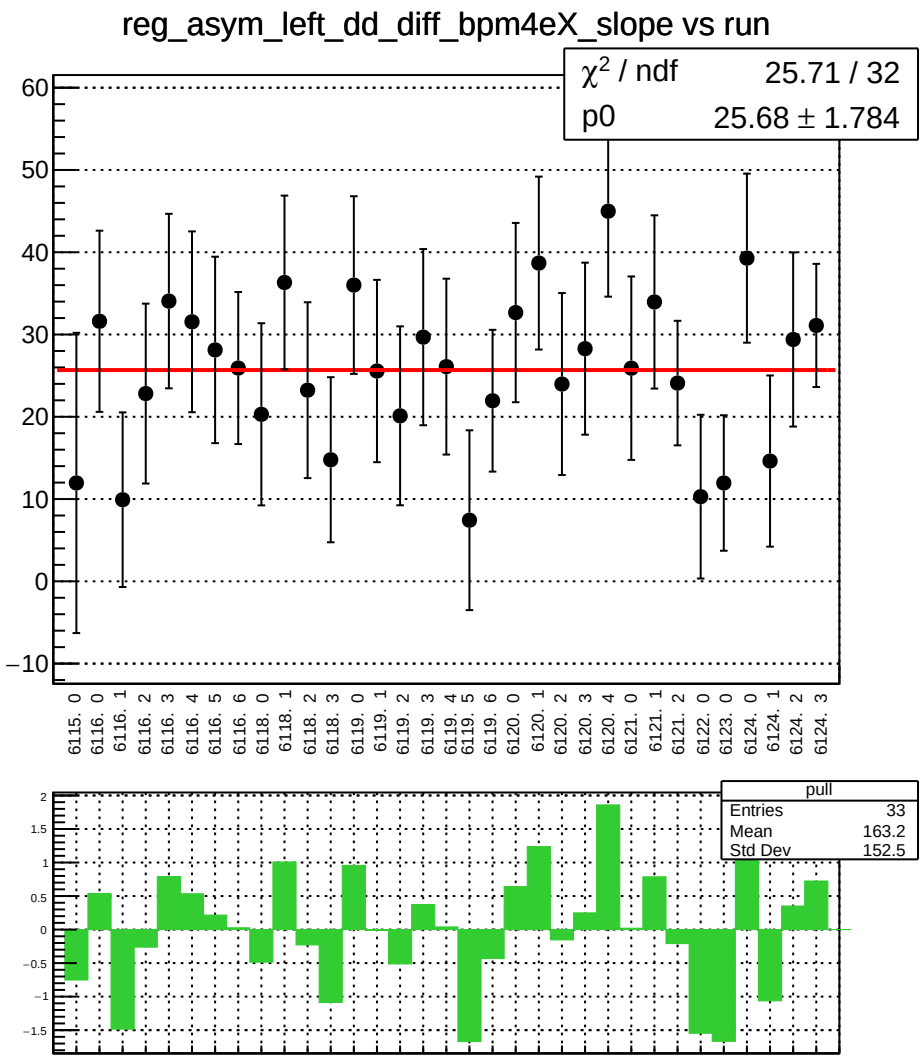

pull1D
Entries 33
Mean 0.03586
Std Dev 0.9901
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

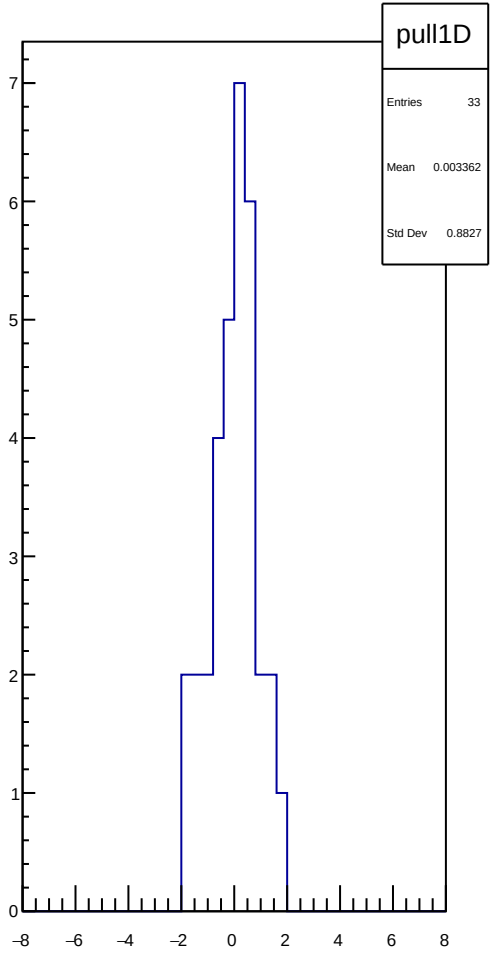

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 35.45 / 32
p0 −18.14 ± 0.07816
−16.5
−17
−17.5
−18
−18.5
−19
−19.5
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −17.87
Std Dev 59.94
2
1
0
−1
−2
pull1D
Entries 33
Mean 0.009037
Std Dev 1.036
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

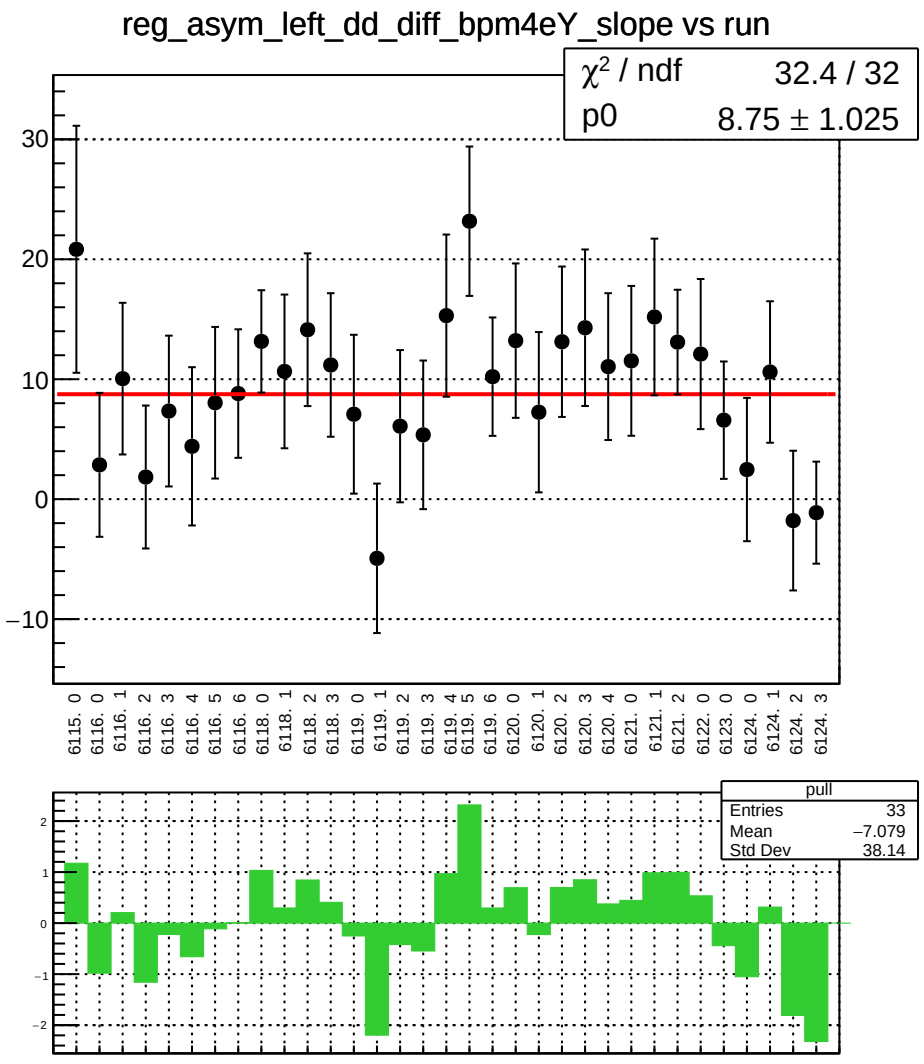

reg_asym_left_dd_diff_bpm4aX_slope vs run
χ² / ndf 24.44 / 32
p0 −42.29 ± 1.533
pull
Entries 33
Mean 697.1
Std Dev 686.8

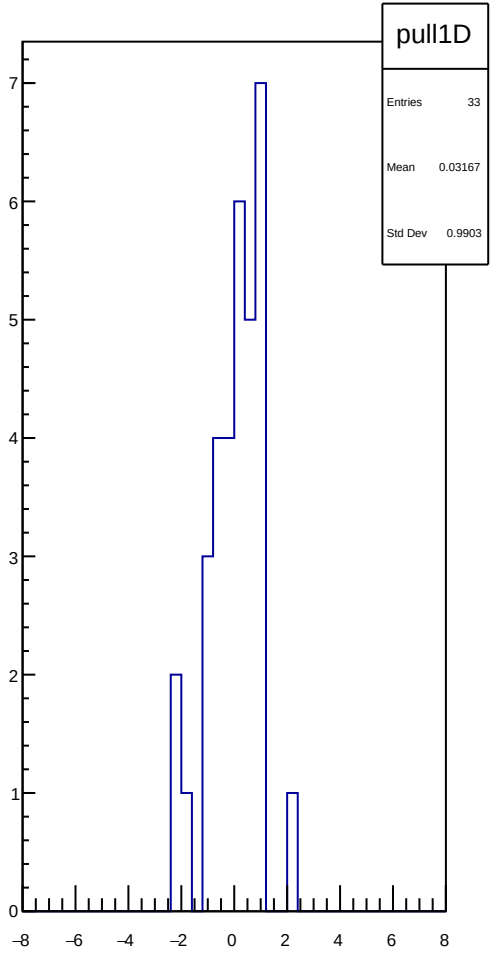

pull1D
Entries 33
Mean −0.000694
Std Dev 0.8605

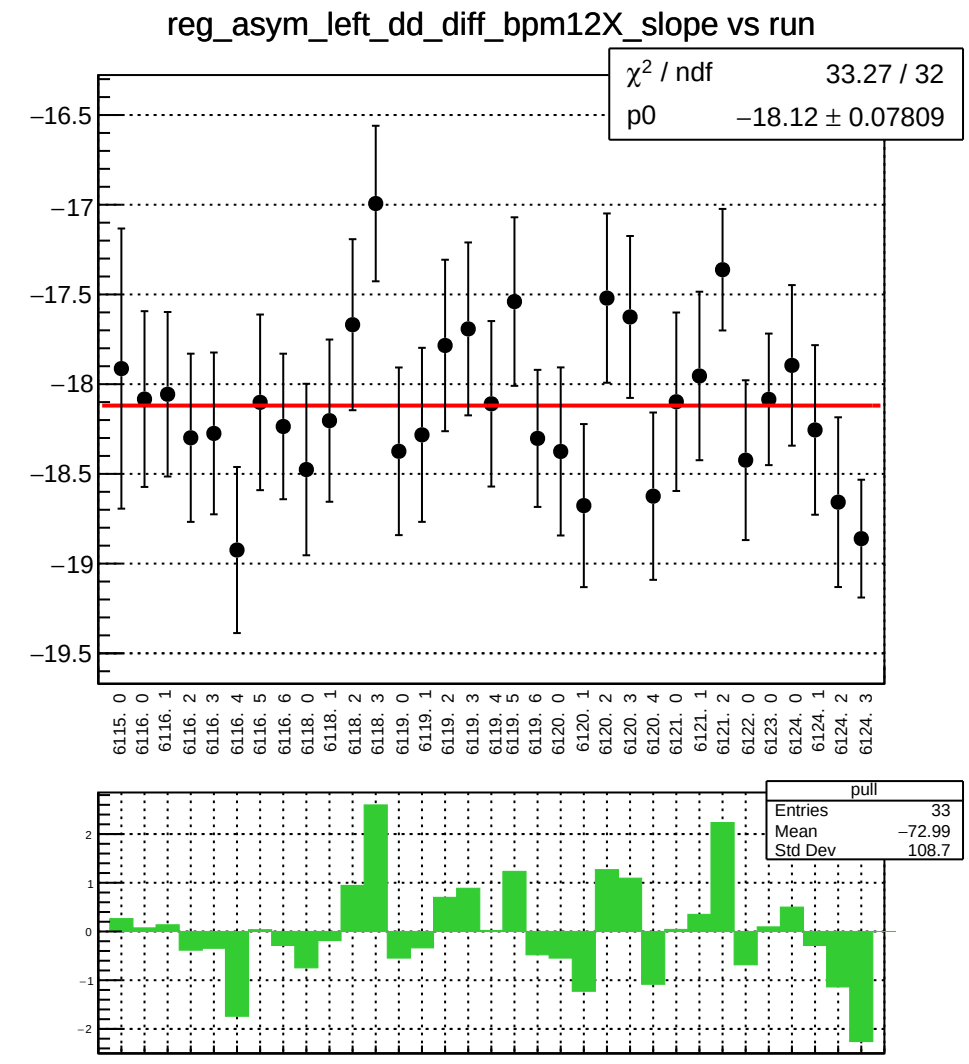

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 28.99 / 32
p0 1.322 ± 0.9598
pull
Entries 33
Mean −6.269
Std Dev 35.68
pull1D
Entries 33
Mean −0.03168
Std Dev 0.9368

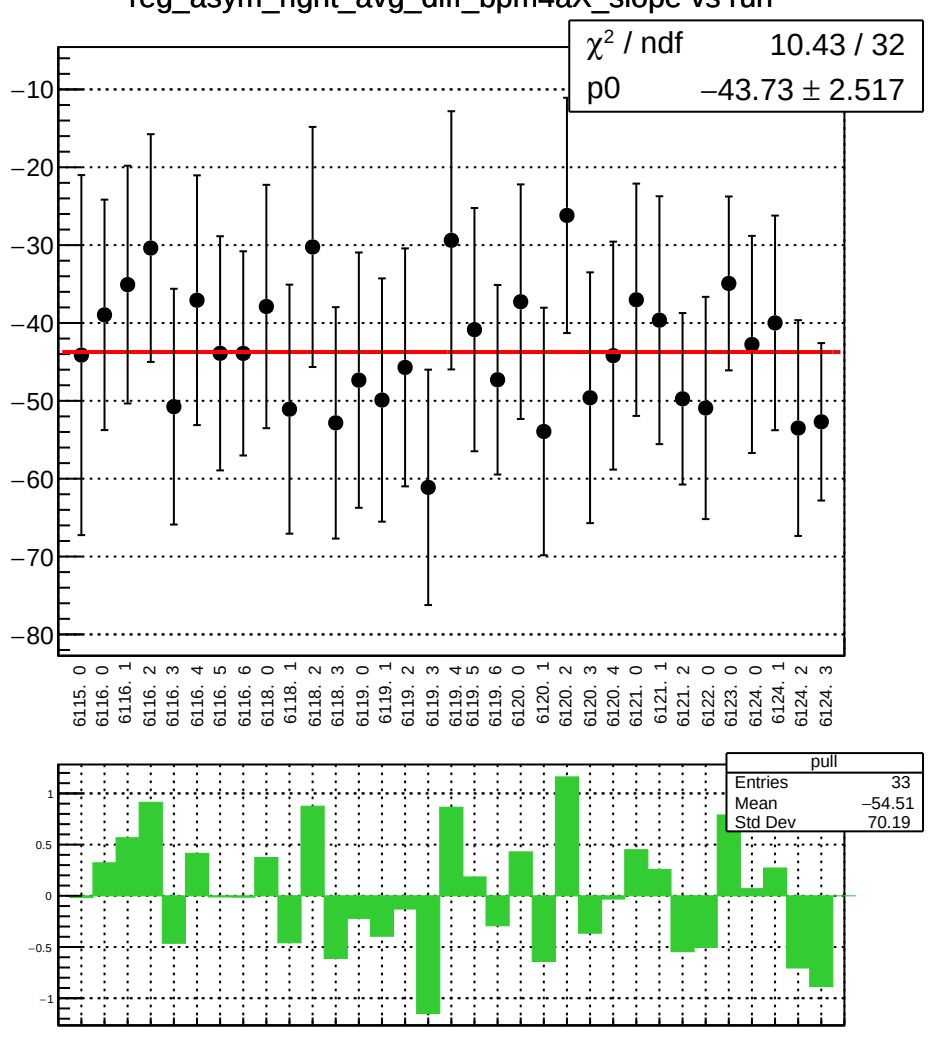

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 25.71 / 32
p0 25.68 ± 1.784
pull
Entries 33
Mean 163.2
Std Dev 152.5

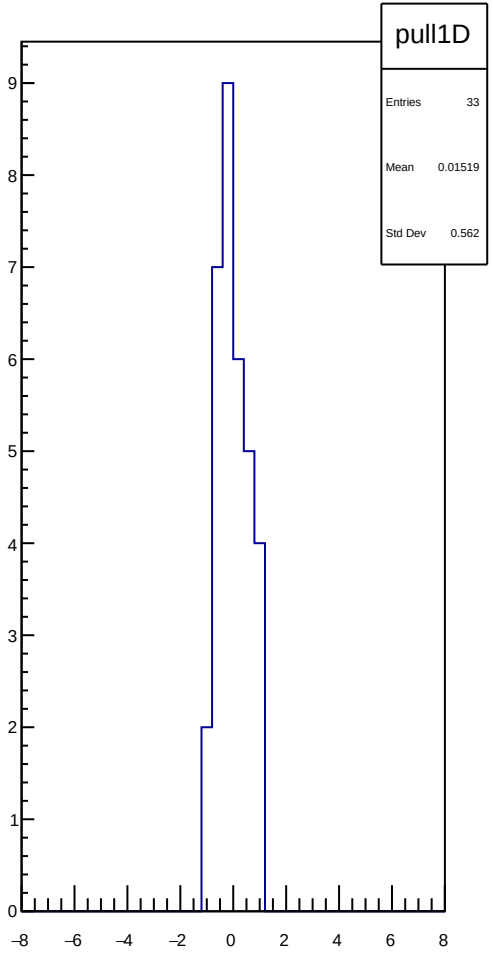

pull1D
Entries 33
Mean 0.003362
Std Dev 0.8827

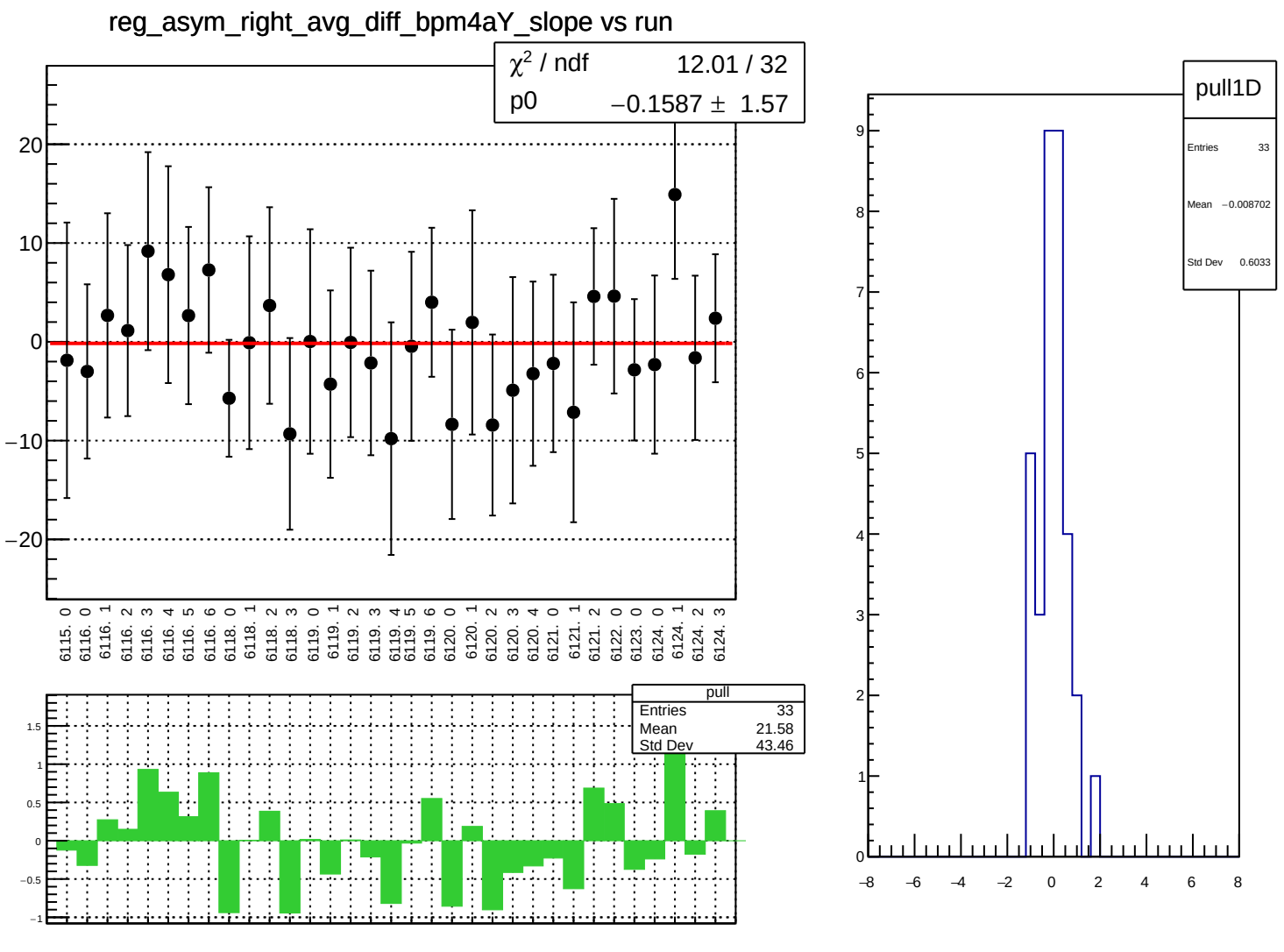

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 32.4 / 32
p0 8.75 ± 1.025
30
20
10
0
−10
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −7.079
Std Dev 38.14
2
1
0
−1
−2

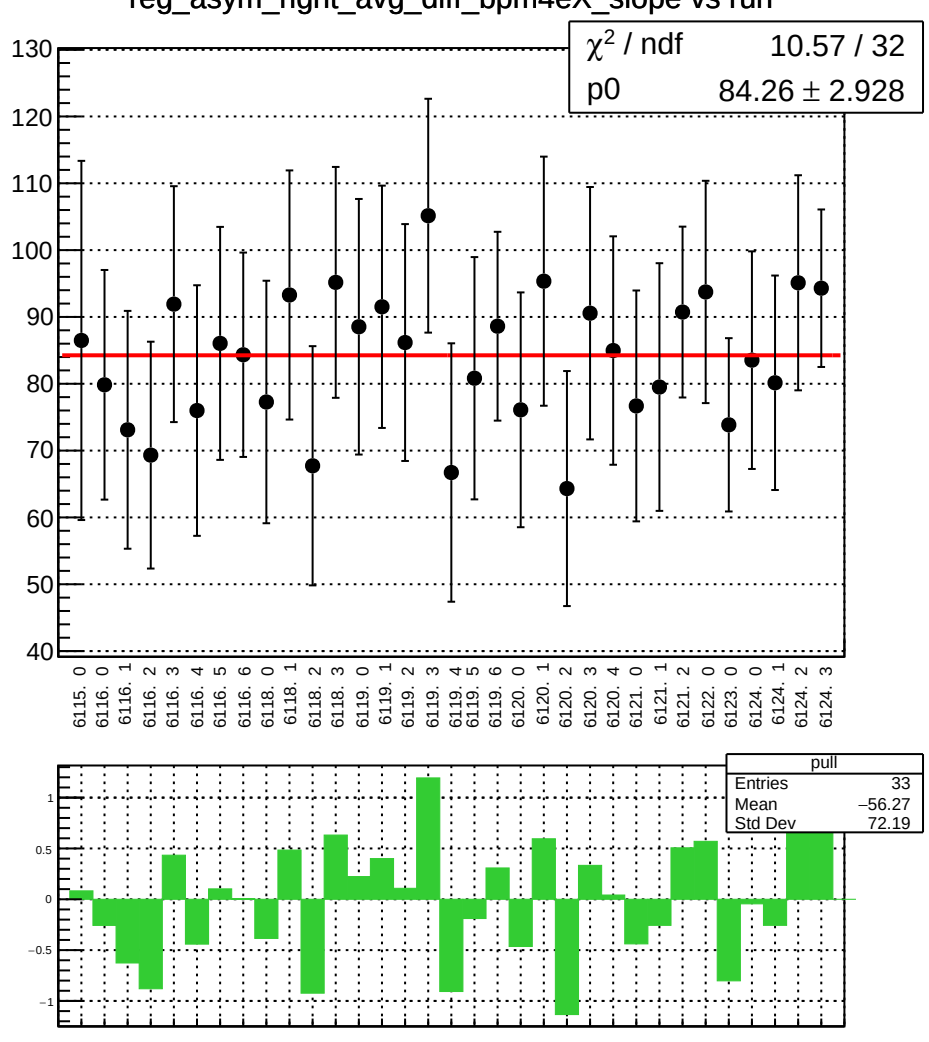

pull1D
Entries 33
Mean 0.03167
Std Dev 0.9903
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

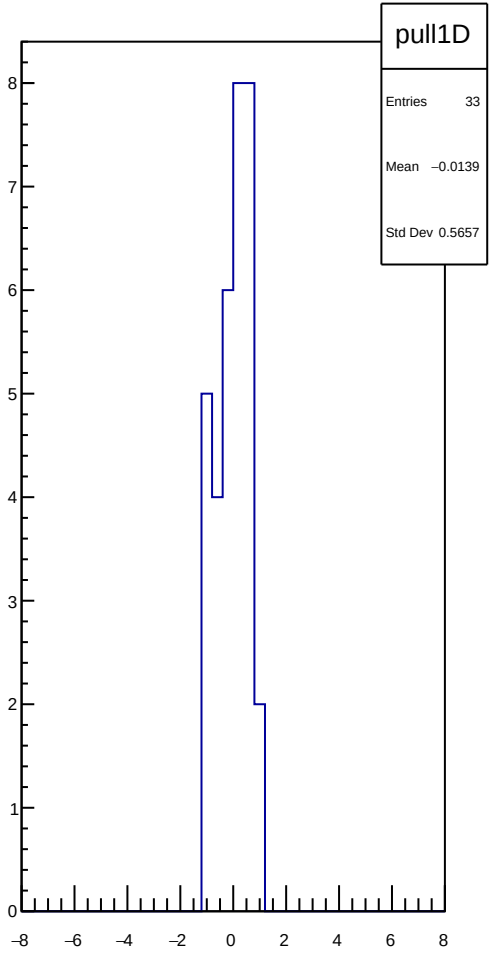

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 33.27 / 32
p0 −18.12 ± 0.07809
−16.5
−17
−17.5
−18
−18.5
−19
−19.5
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −72.99
Std Dev 108.7
2
1
0
−1
−2
pull1D
Entries 33
Mean 0.006596
Std Dev 1.004
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

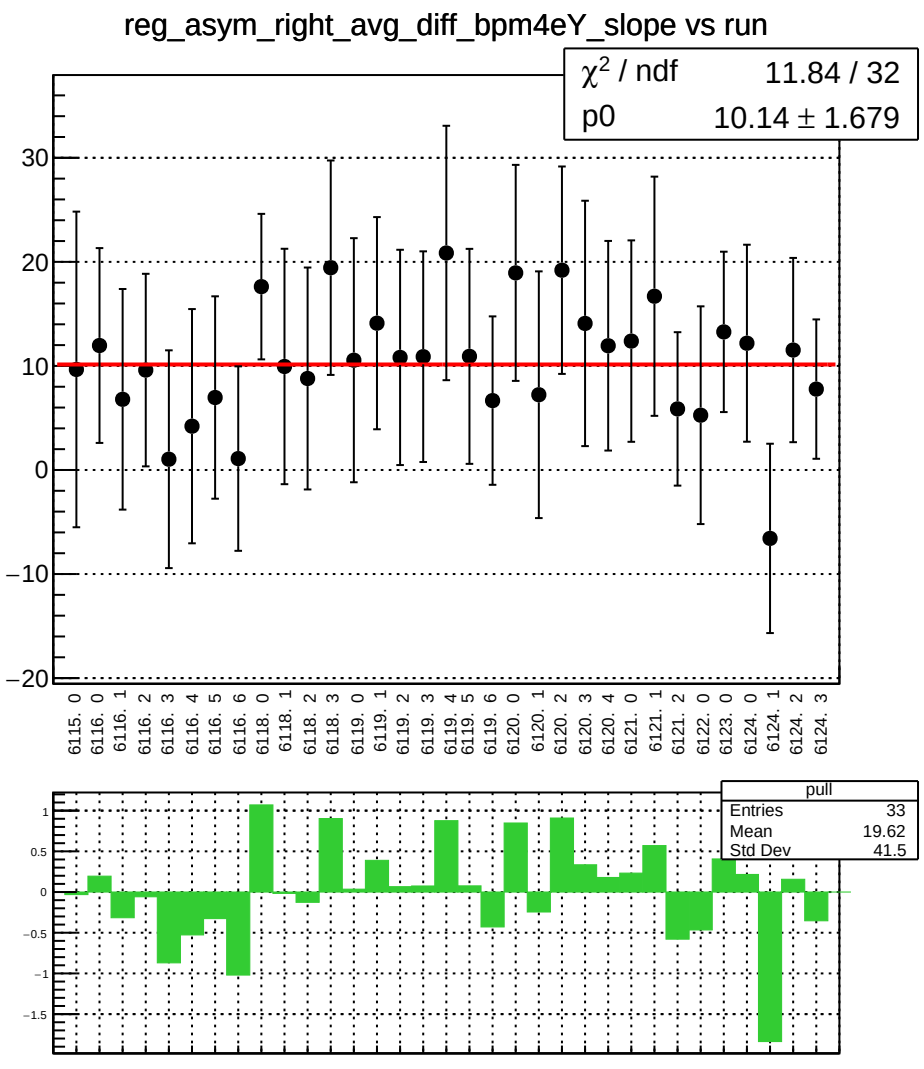

reg_asym_right_avg_diff_bpm4aX_slope vs run
χ² / ndf 10.43 / 32
p0 −43.73 ± 2.517
pull
Entries 33
Mean −54.51
Std Dev 70.19

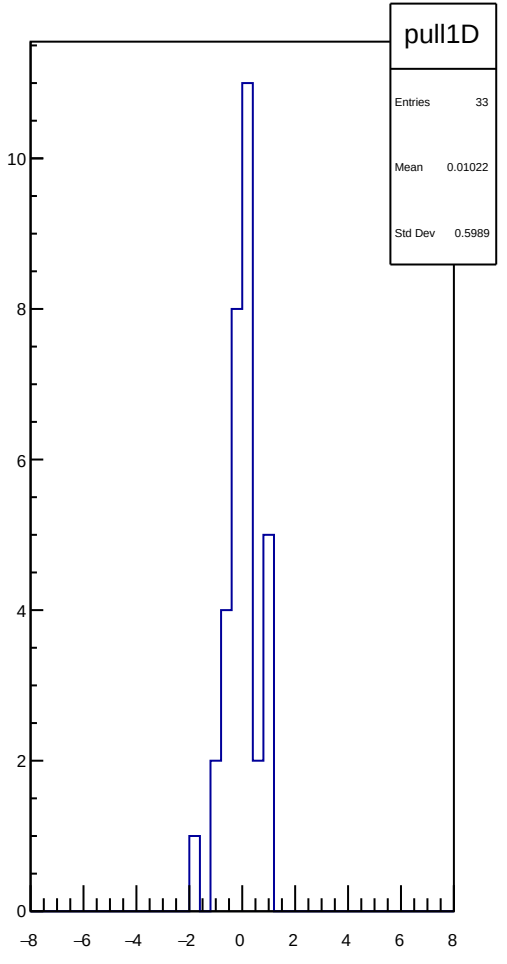

pull1D
Entries 33
Mean 0.01519
Std Dev 0.562

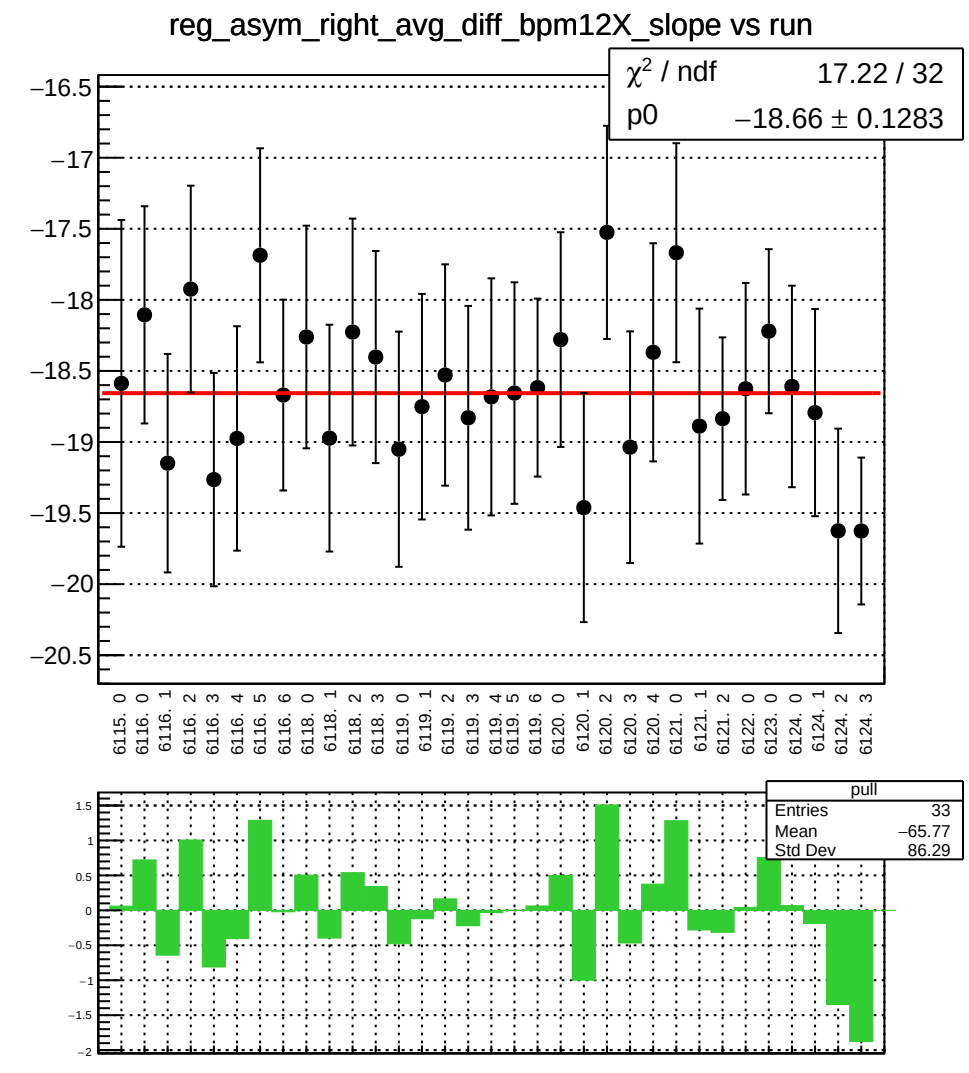

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.01 / 32
p0 −0.1587 ± 1.57
20
10
0
−10
−20
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 21.58
Std Dev 43.46
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 33
Mean −0.008702
Std Dev 0.6033
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

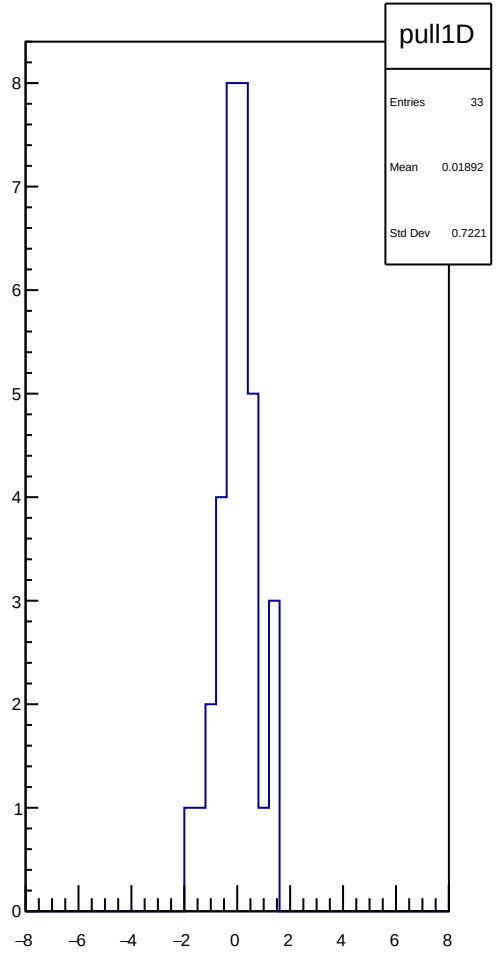

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 10.57 / 32
p0 84.26 ± 2.928
130
120
110
100
90
80
70
60
50
40
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −56.27
Std Dev 72.19
1
0.5
0
−0.5
−1

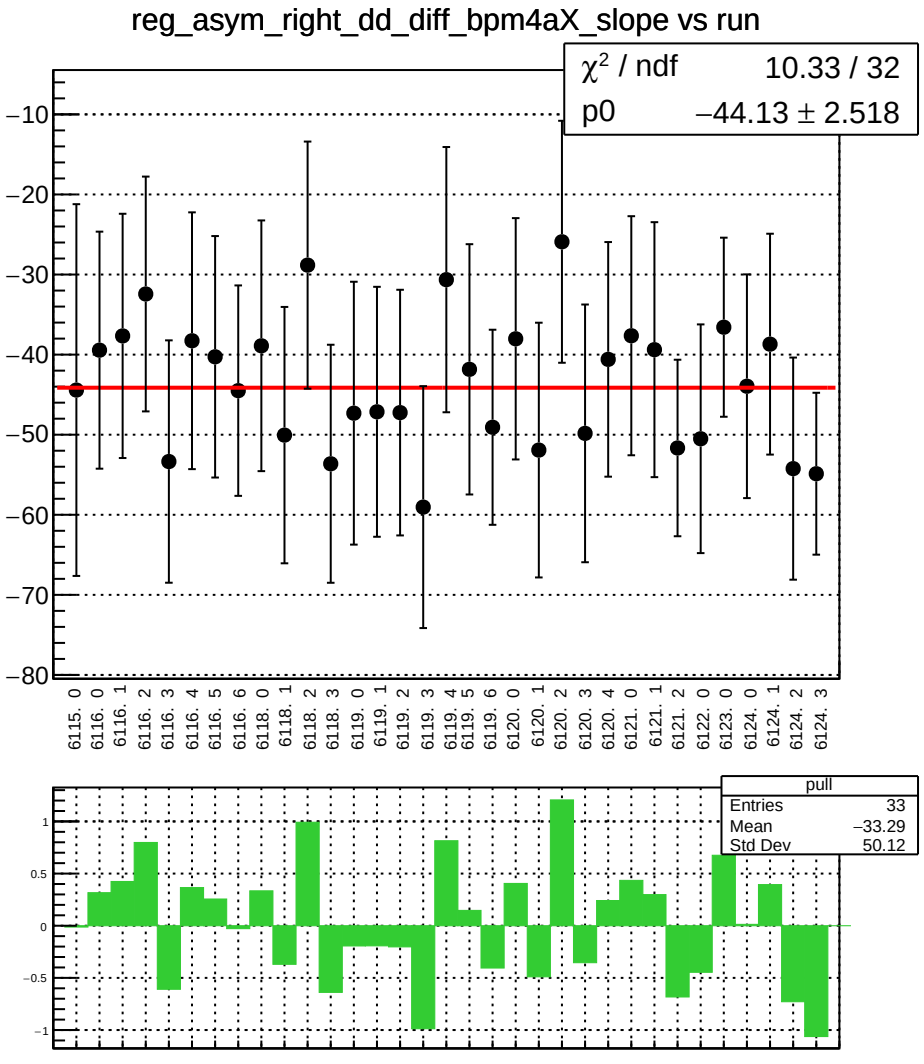

pull1D
Entries 33
Mean −0.0139
Std Dev 0.5657
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

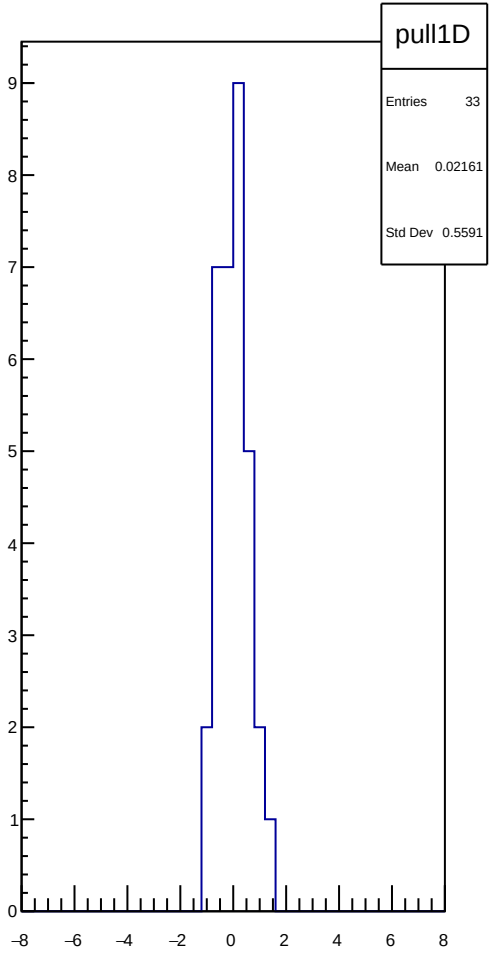

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.84 / 32
p0 10.14 ± 1.679
30
20
10
0
−10
−20
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 19.62
Std Dev 41.5
1
0.5
0
−0.5
−1
−1.5

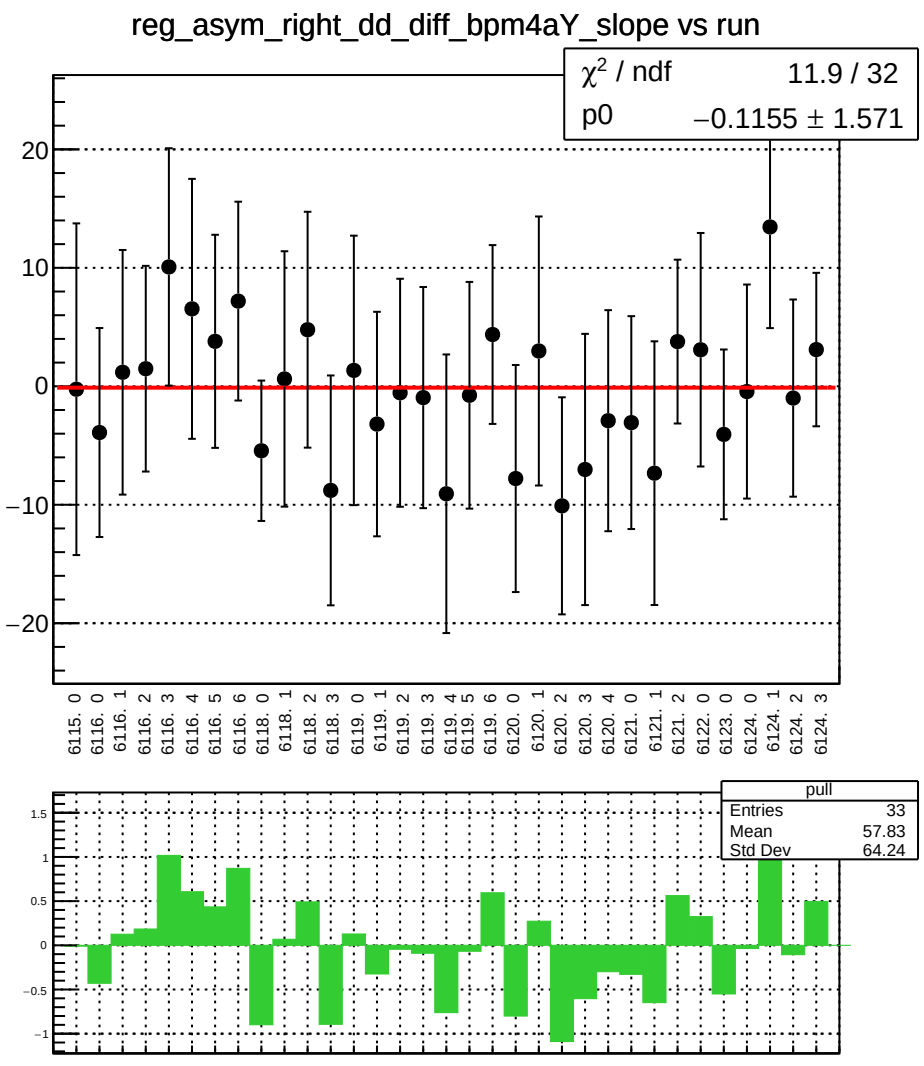

pull1D
Entries 33
Mean 0.01022
Std Dev 0.5989
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

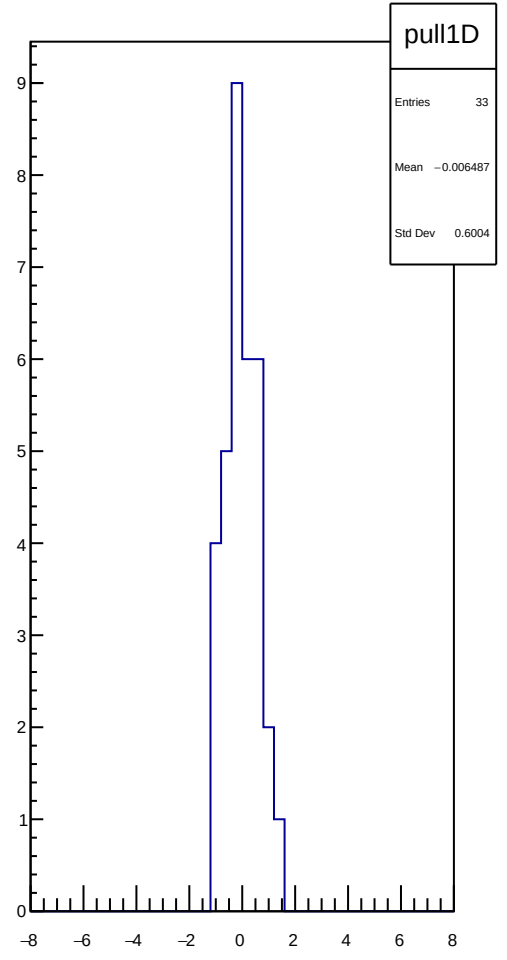

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 17.22 / 32
p0 −18.66 ± 0.1283
pull
Entries 33
Mean −65.77
Std Dev 86.29

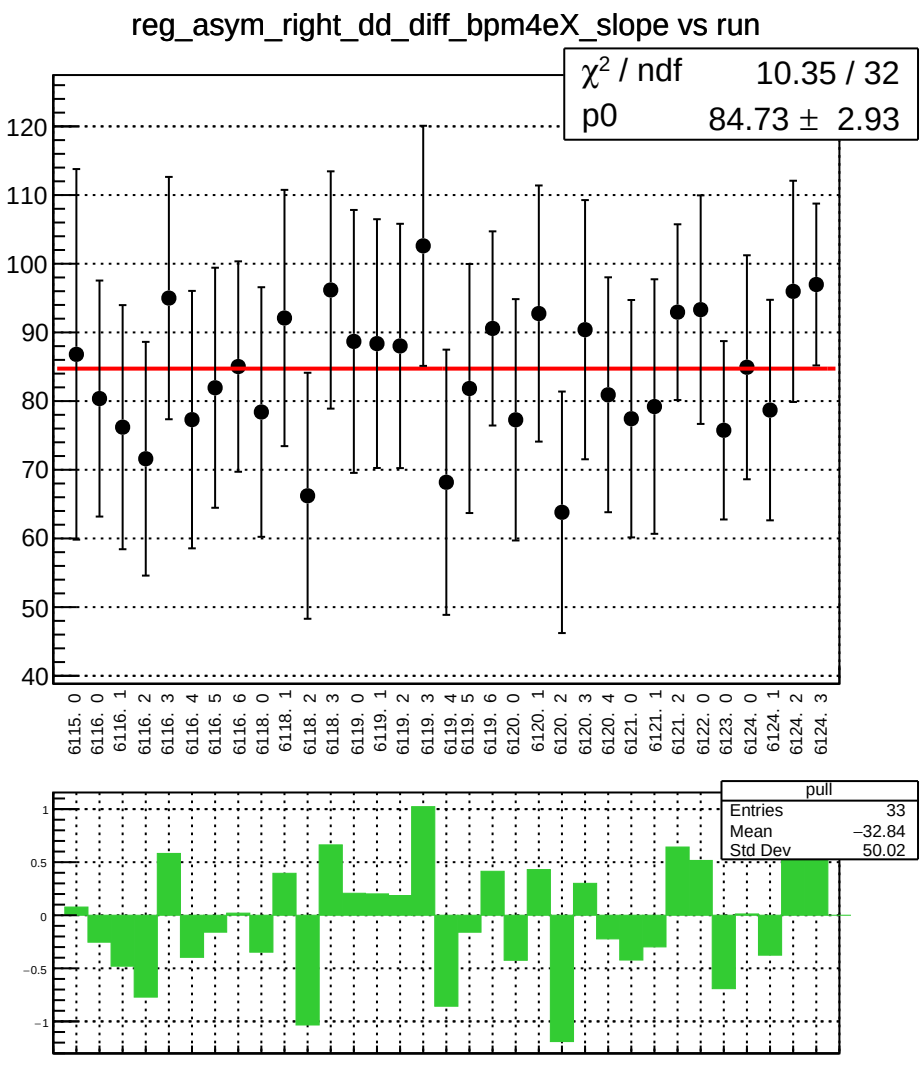

pull1D
Entries 33
Mean 0.01892
Std Dev 0.7221

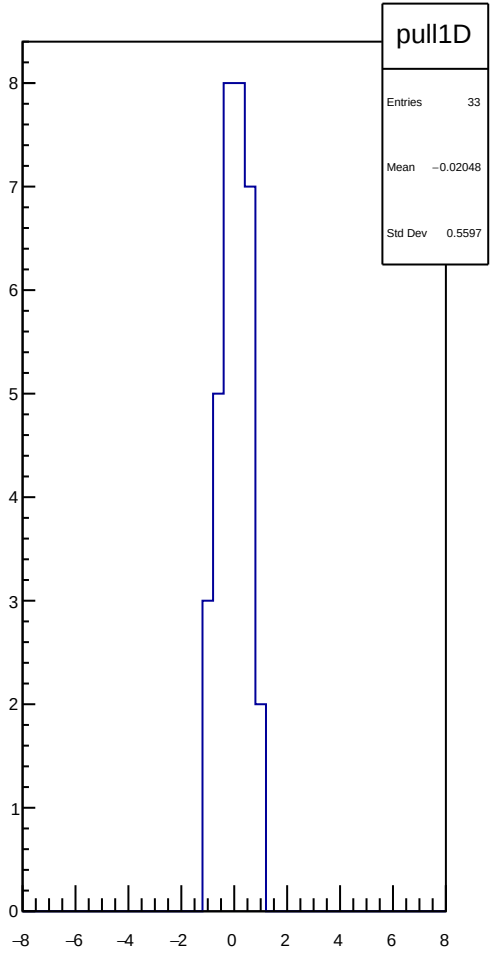

reg_asym_right_dd_diff_bpm4aX_slope vs run
χ² / ndf 10.33 / 32
p0 −44.13 ± 2.518
−10
−20
−30
−40
−50
−60
−70
−80
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −33.29
Std Dev 50.12
1
0.5
0
−0.5
−1

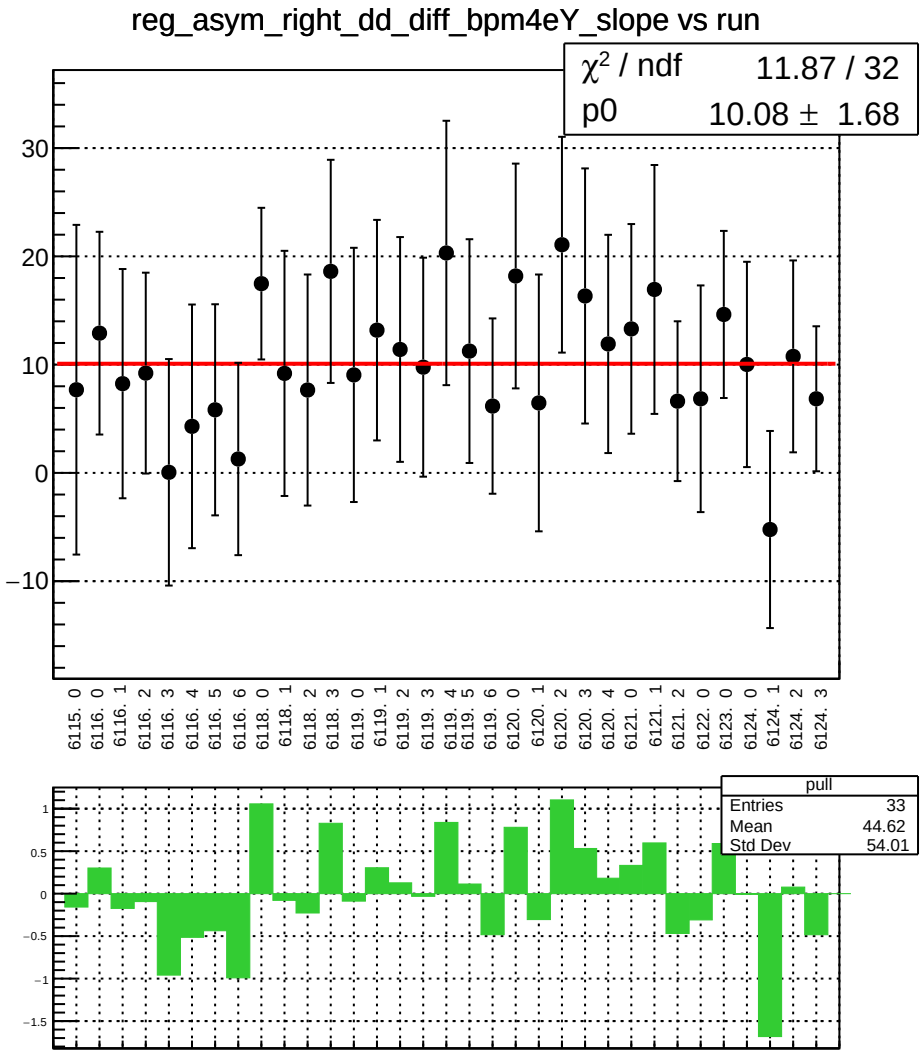

pull1D
Entries 33
Mean 0.02161
Std Dev 0.5591
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

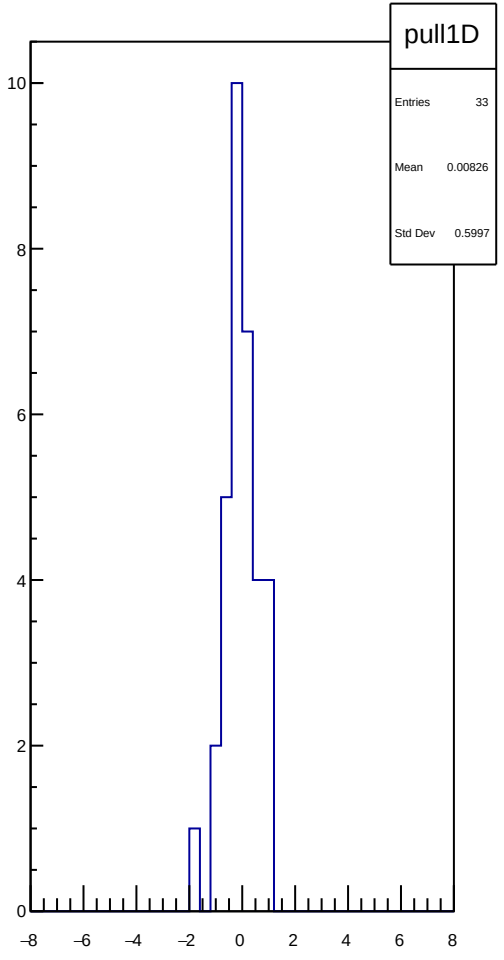

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.9 / 32
p0 −0.1155 ± 1.571
20
10
0
−10
−20
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 57.83
Std Dev 64.24
1.5
1
0.5
0
−0.5
−1

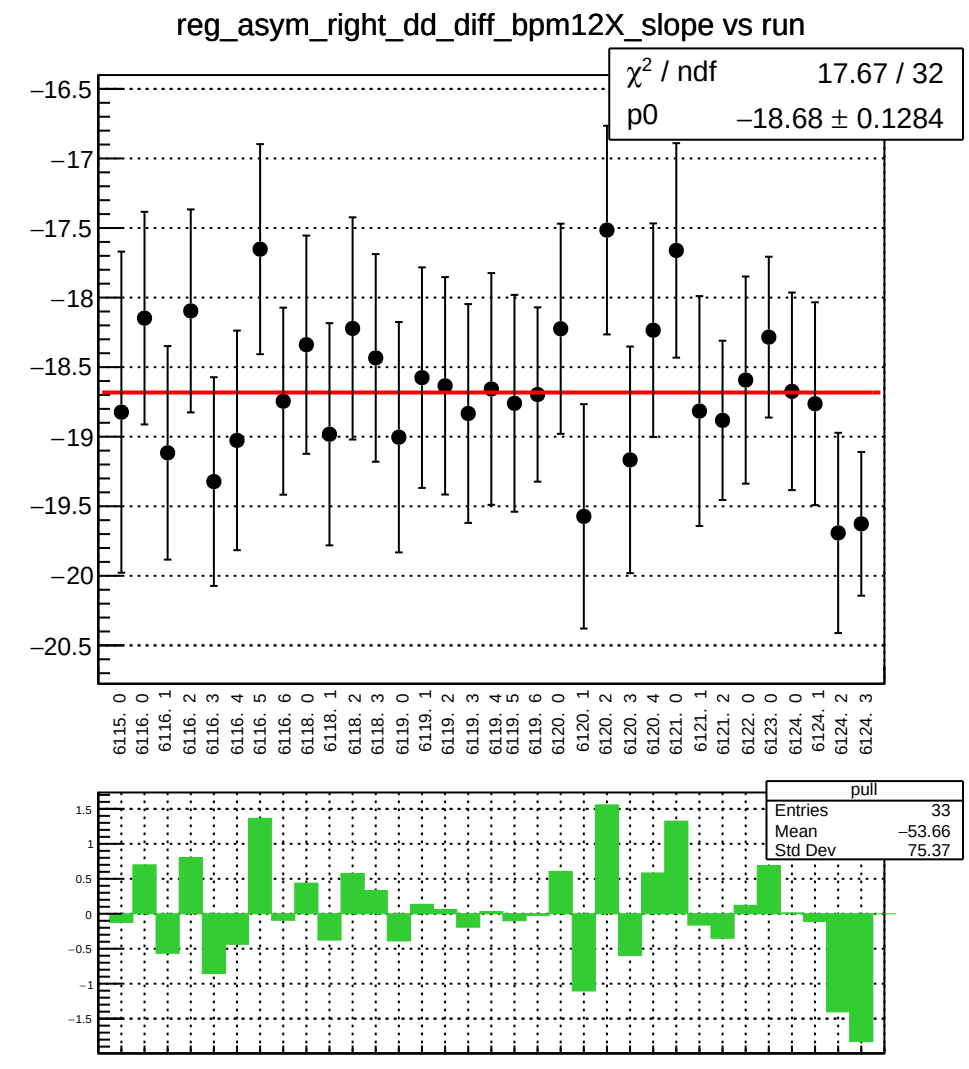

pull1D
Entries 33
Mean −0.006487
Std Dev 0.6004
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

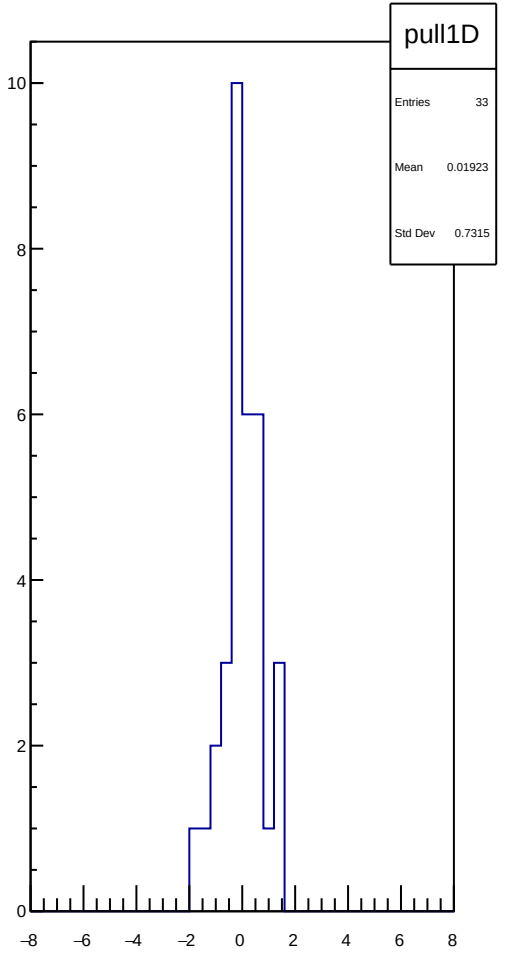

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 10.35 / 32
p0 84.73 ± 2.93
120
110
100
90
80
70
60
50
40
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −32.84
Std Dev 50.02
1
0.5
0
−0.5
−1

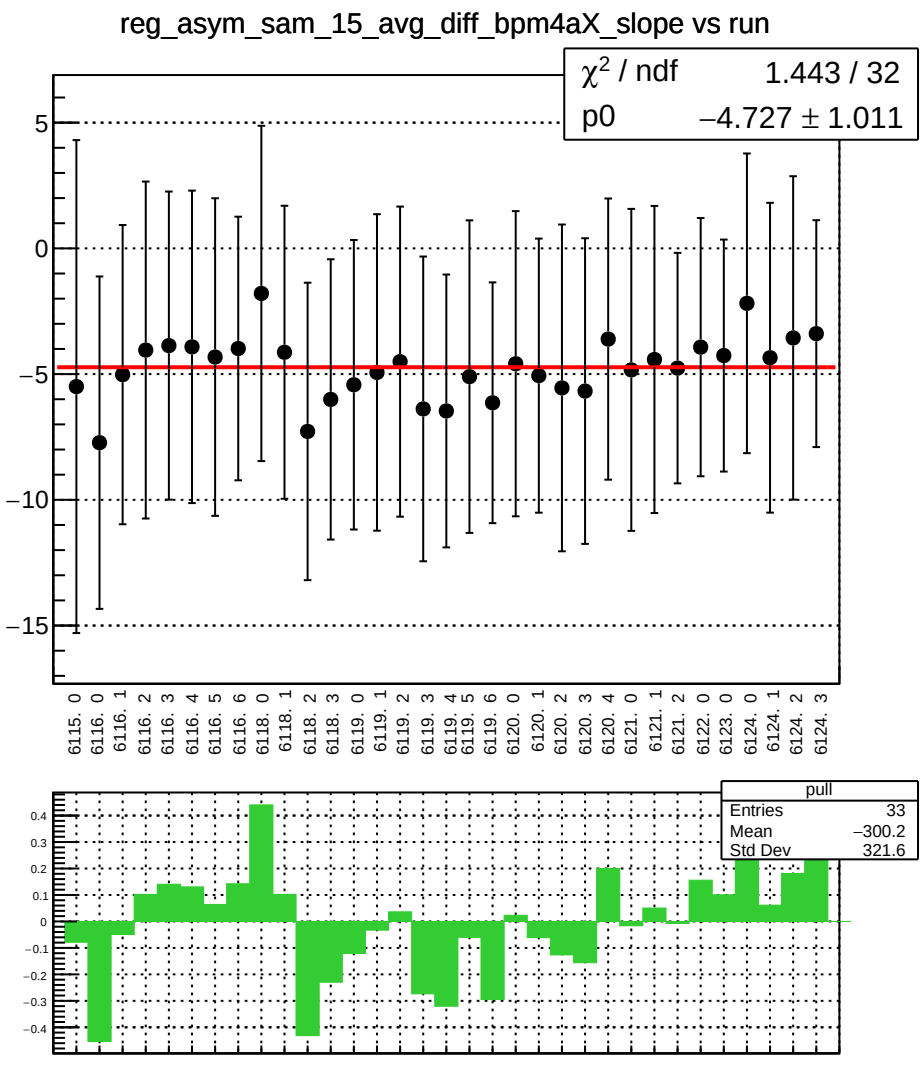

pull1D
Entries 33
Mean −0.02048
Std Dev 0.5597
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

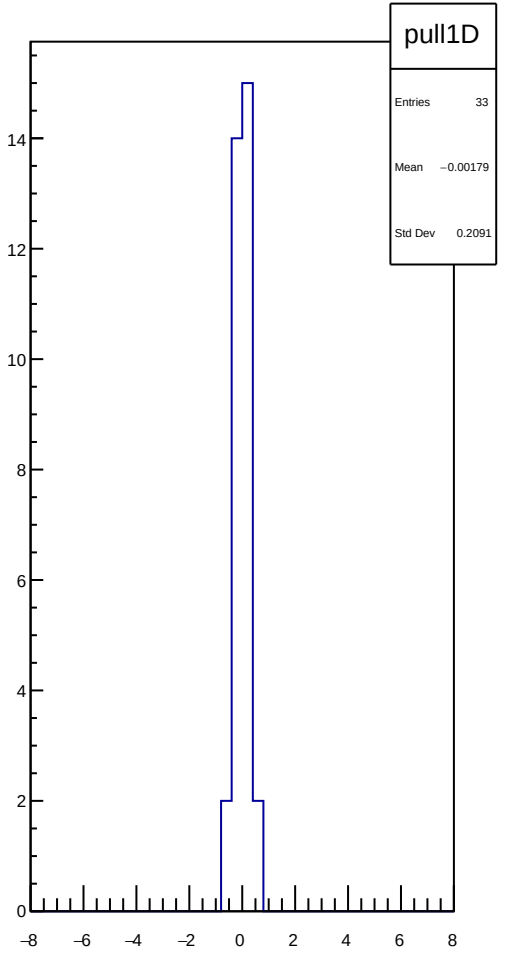

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.87 / 32
p0 10.08 ± 1.68
30
20
10
0
−10
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 44.62
Std Dev 54.01
1
0.5
0
−0.5
−1
−1.5

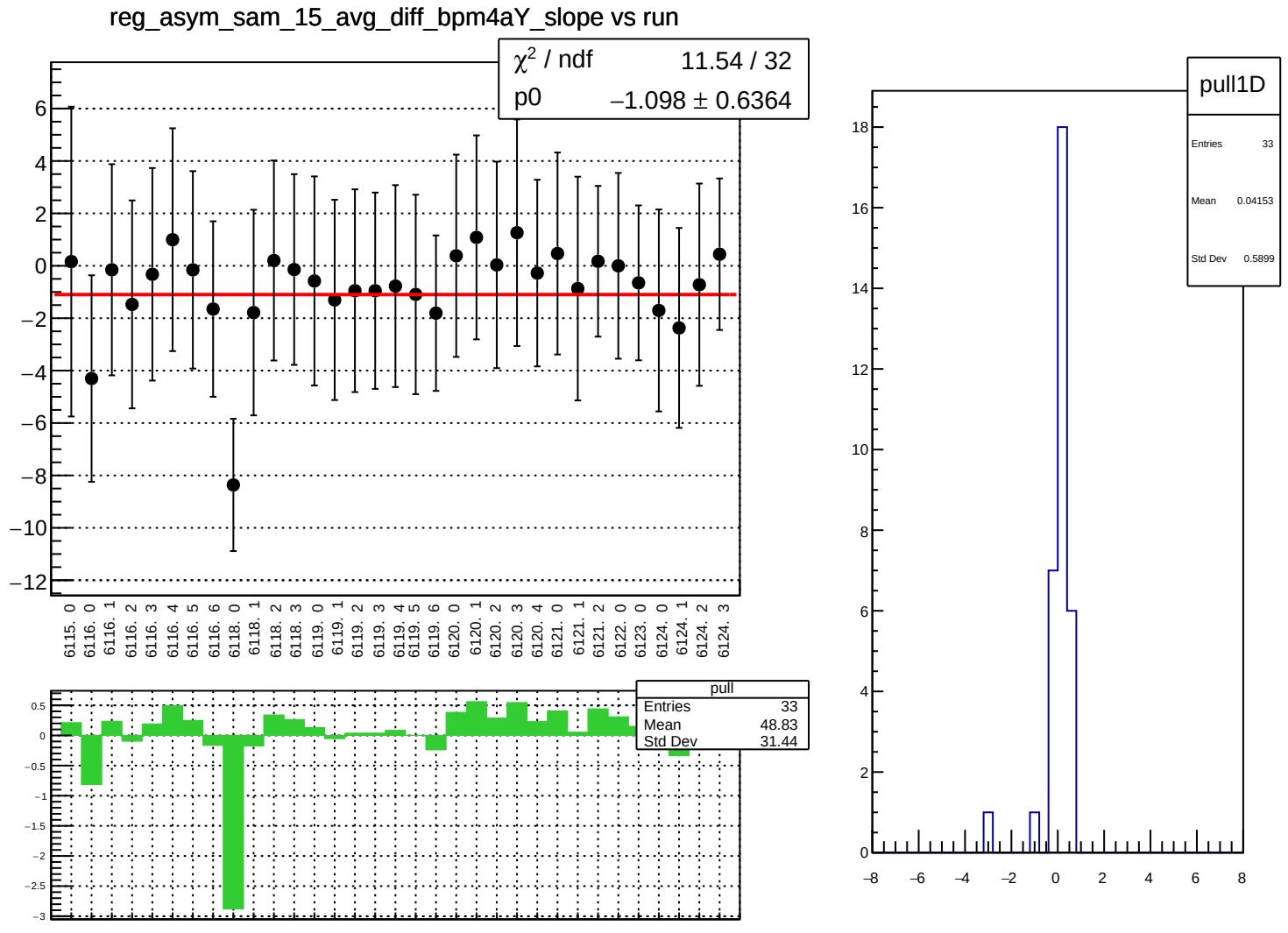

pull1D
Entries 33
Mean 0.00826
Std Dev 0.5997
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

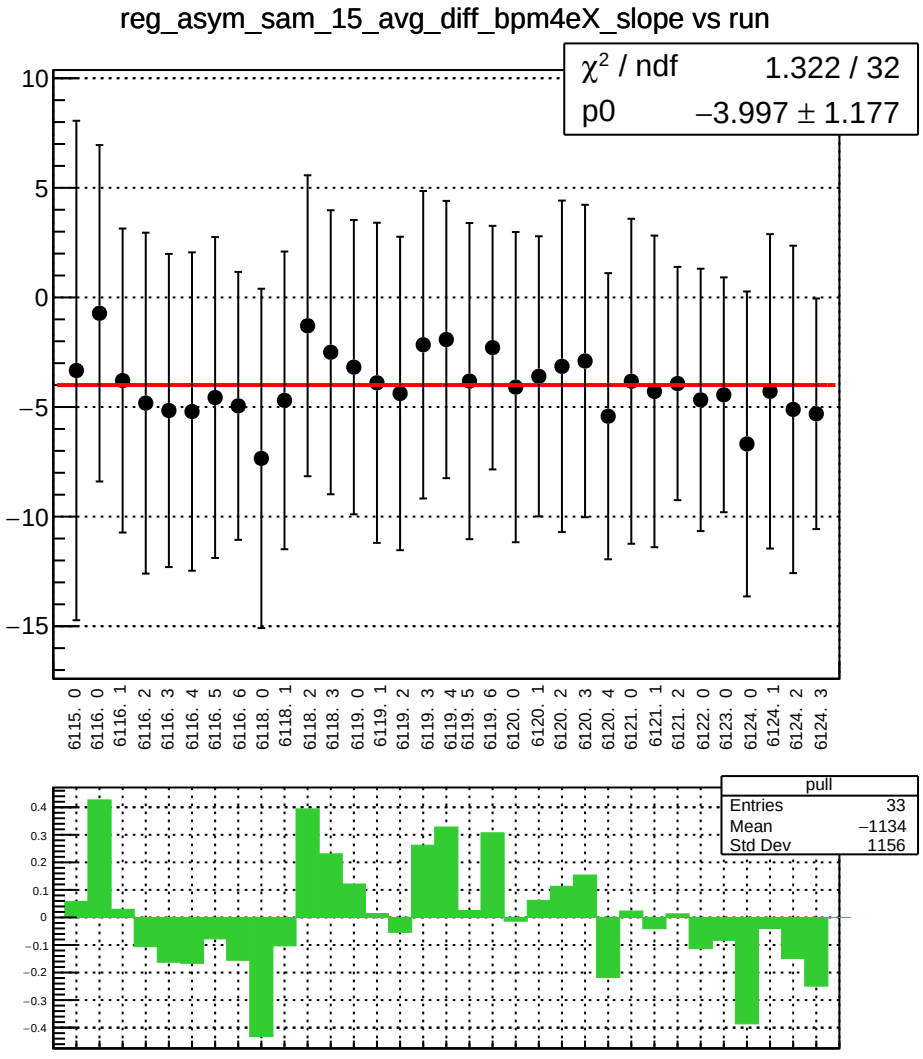

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 17.67 / 32
p0 −18.68 ± 0.1284
−16.5
−17
−17.5
−18
−18.5
−19
−19.5
−20
−20.5
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −53.66
Std Dev 75.37
1.5
1
0.5
0
−0.5
−1
−1.5

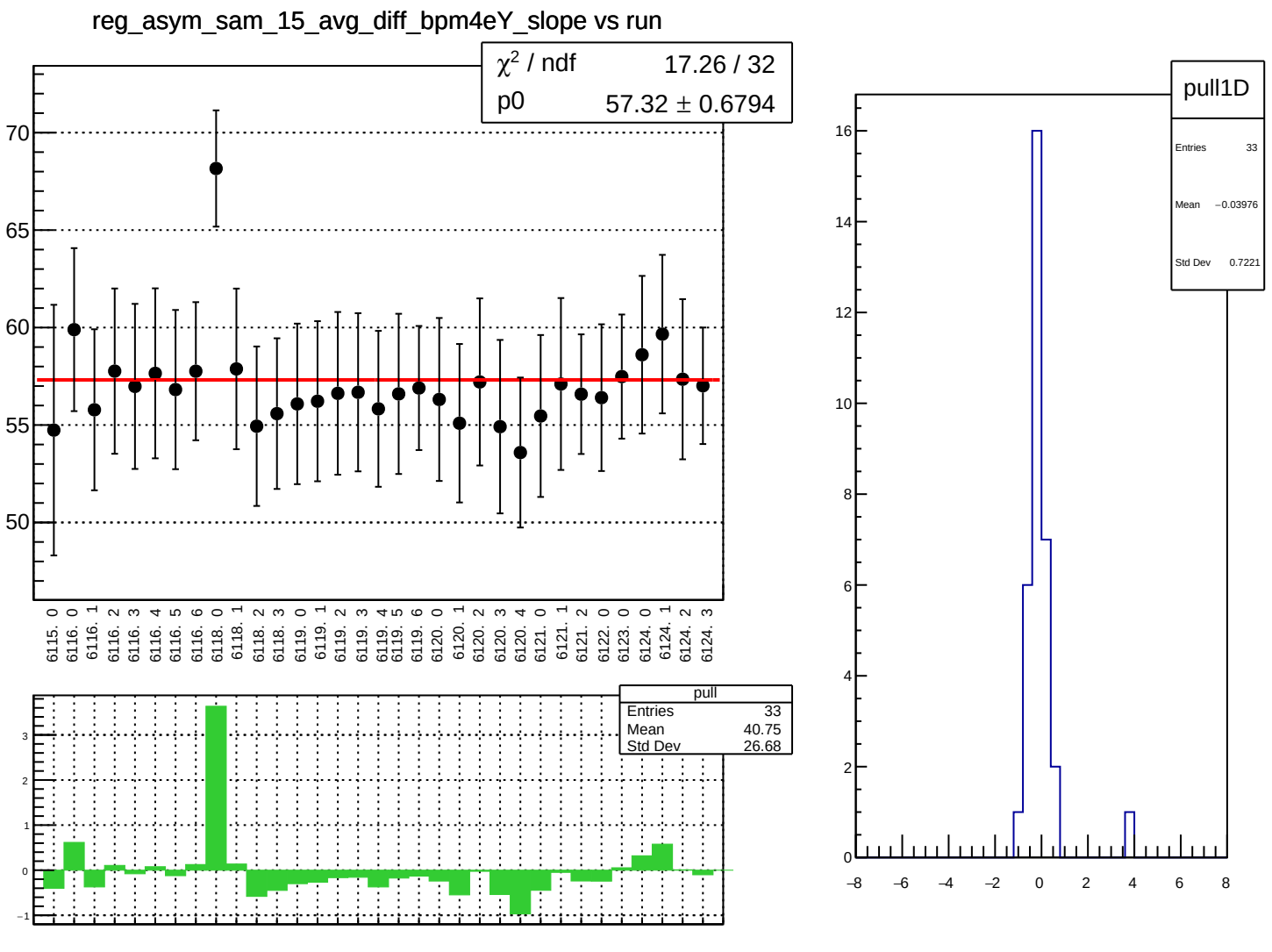

pull1D
Entries 33
Mean 0.01923
Std Dev 0.7315
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

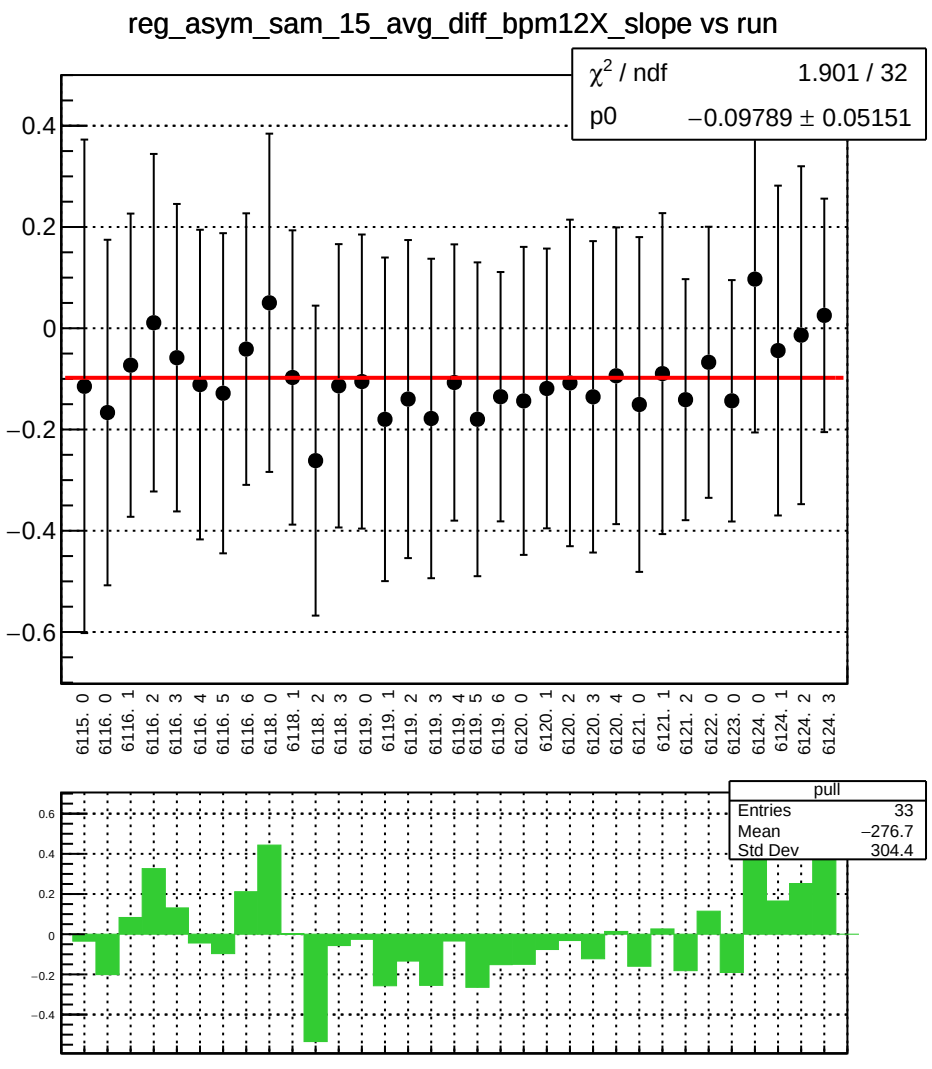

reg_asym_sam_15_avg_diff_bpm4aX_slope vs run
χ² / ndf 1.443 / 32
p0 −4.727 ± 1.011
5
0
−5
−10
−15
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −300.2
Std Dev 321.6
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4

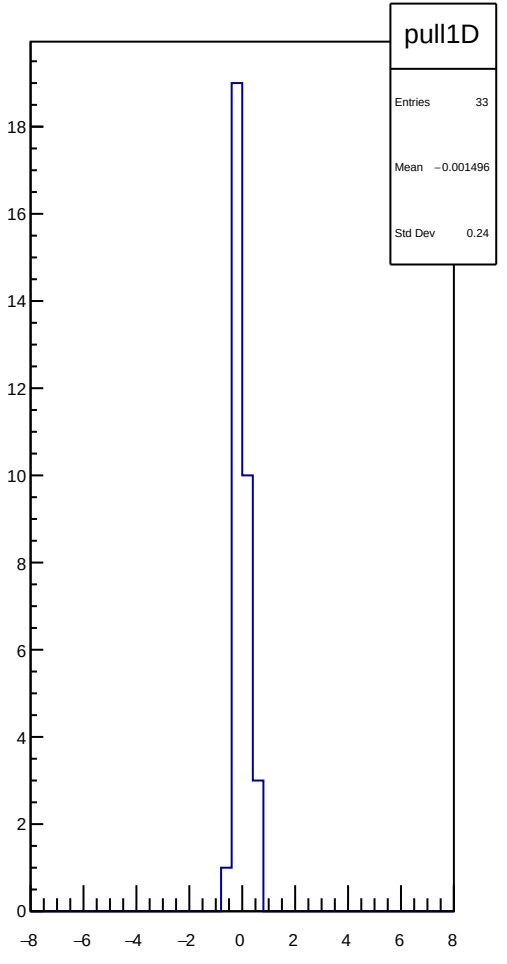

pull1D
Entries 33
Mean −0.00179
Std Dev 0.2091
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

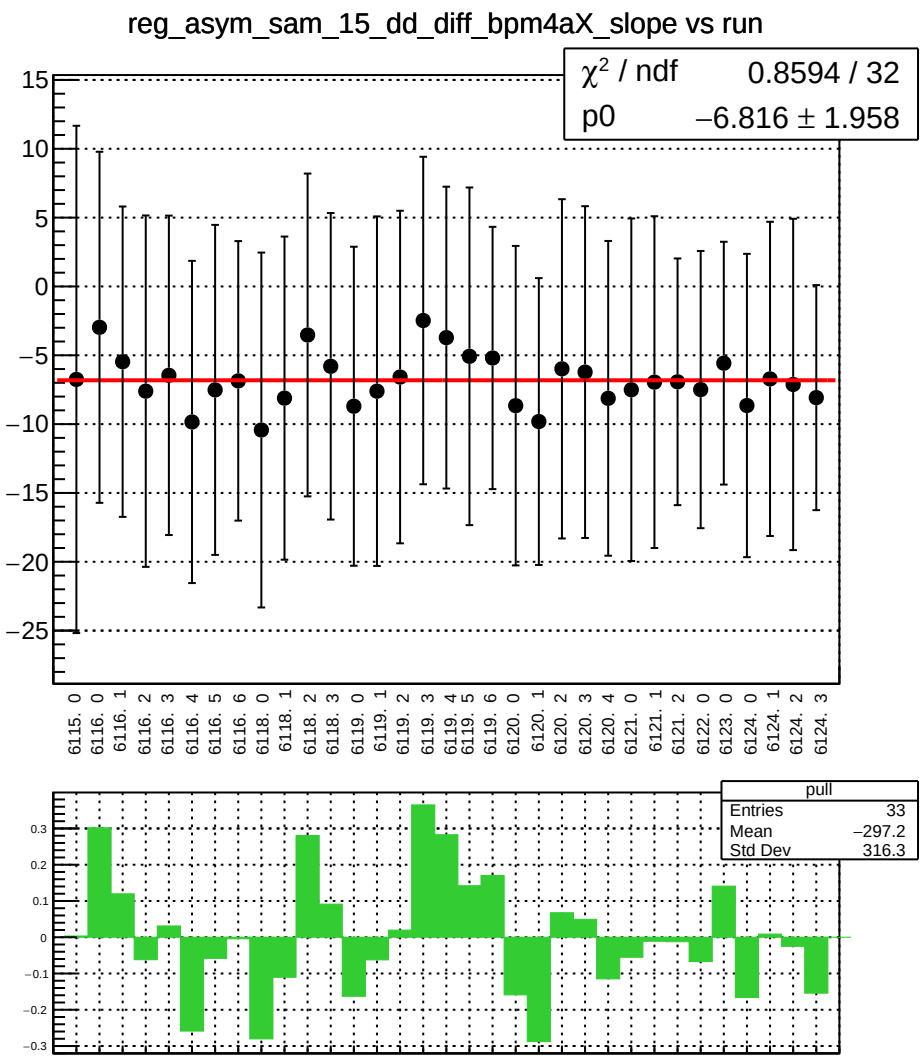

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 11.54 / 32
p0 −1.098 ± 0.6364
pull
Entries 33
Mean 48.83
Std Dev 31.44
pull1D
Entries 33
Mean 0.04153
Std Dev 0.5899

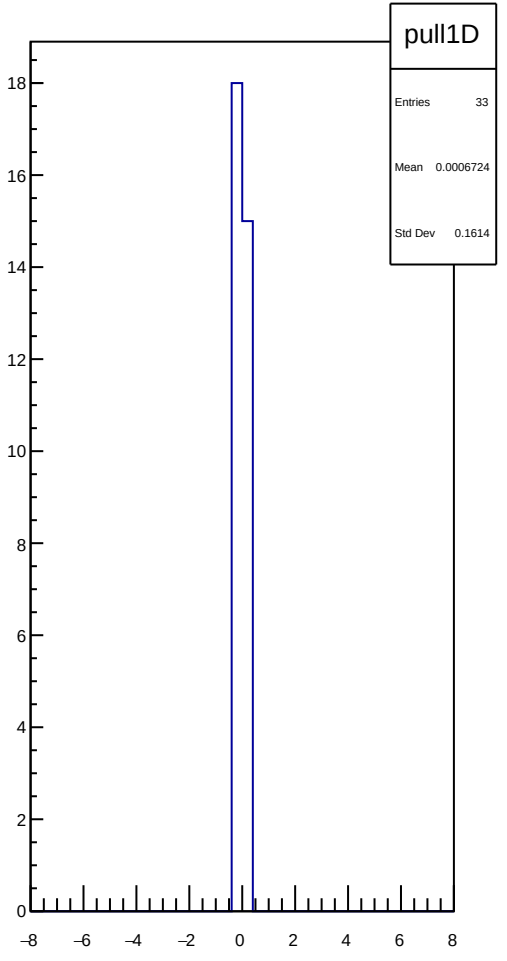

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.322 / 32
p0 −3.997 ± 1.177
10
5
0
−5
−10
−15
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −1134
Std Dev 1156
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
pull1D
Entries 33
Mean 0.0003614
Std Dev 0.2002
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

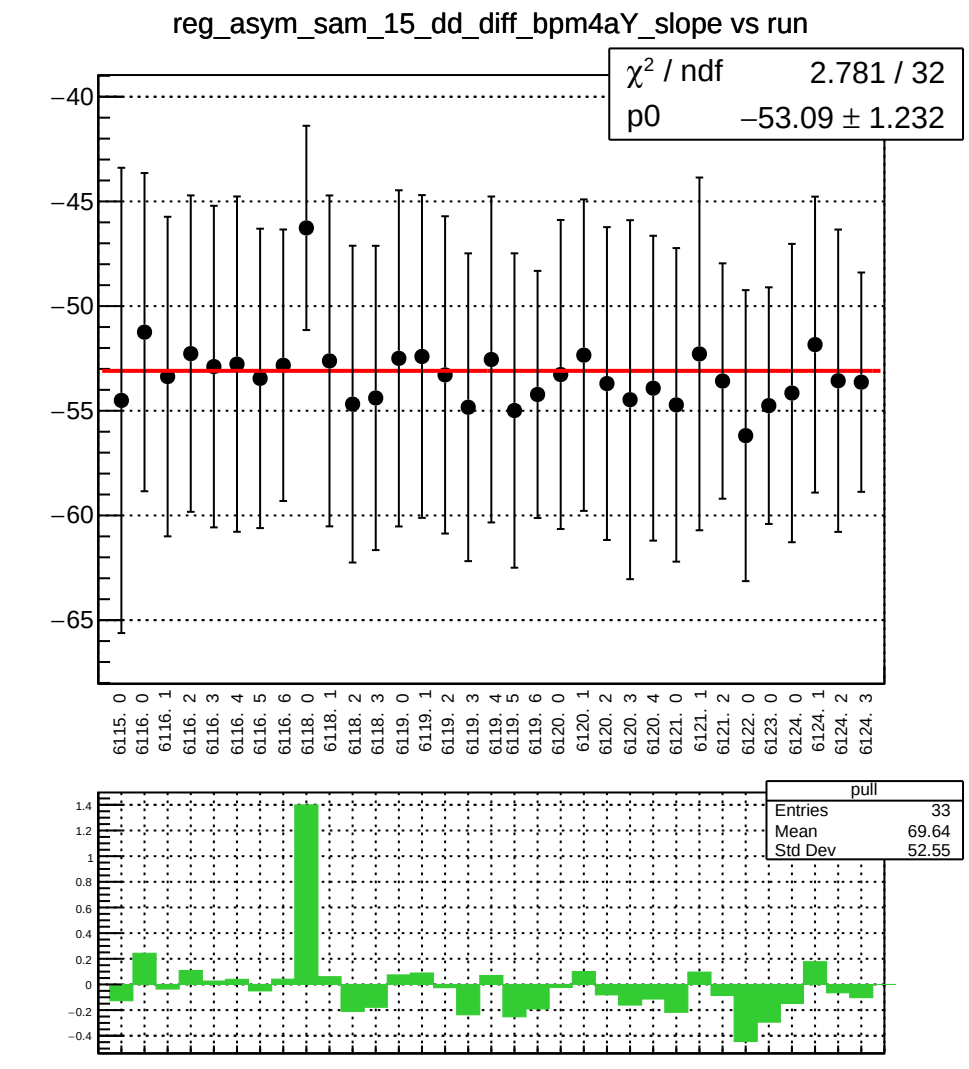

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 17.26 / 32
p0 57.32 ± 0.6794
70
65
60
55
50
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 40.75
Std Dev 26.68
3
2
1
0
−1
pull1D
Entries 33
Mean −0.03976
Std Dev 0.7221
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

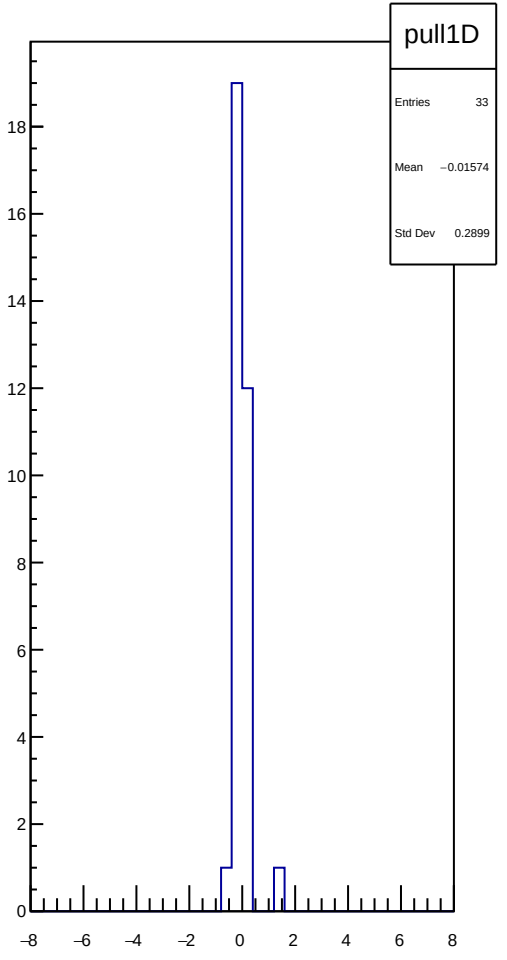

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 1.901 / 32
p0 −0.09789 ± 0.05151
0.4
0.2
0
−0.2
−0.4
−0.6
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −276.7
Std Dev 304.4
0.6
0.4
0.2
0
−0.2
−0.4

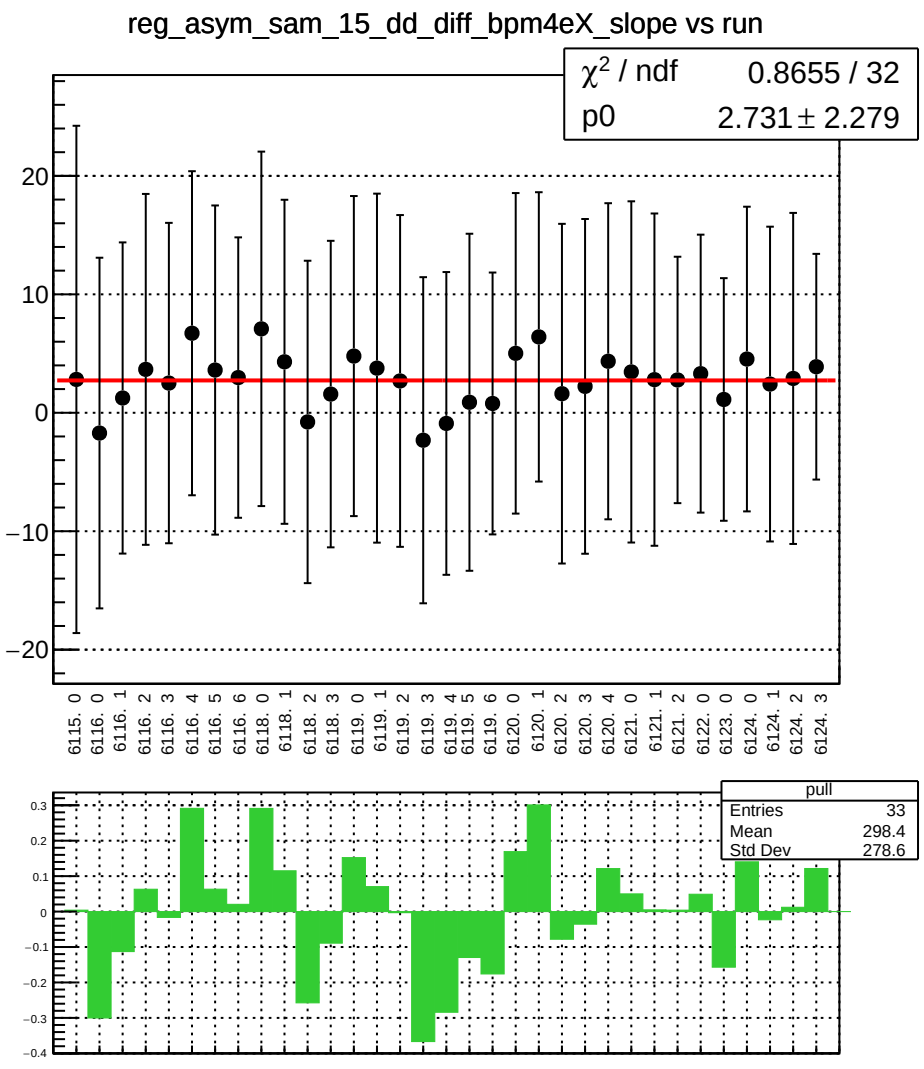

pull1D
Entries 33
Mean −0.001496
Std Dev 0.24
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

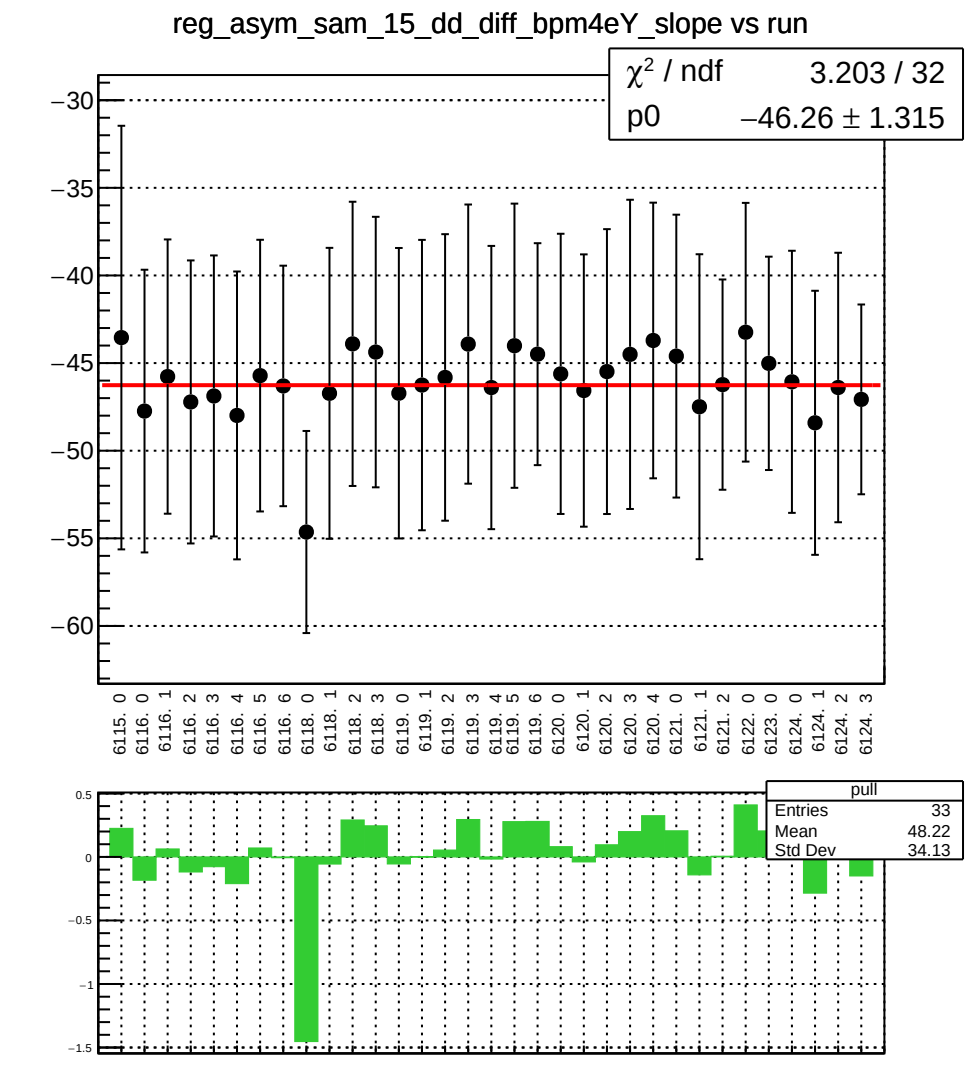

reg_asym_sam_15_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.8594 / 32
p0 −6.816 ± 1.958
15
10
5
0
−5
−10
−15
−20
−25
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −297.2
Std Dev 316.3
0.3
0.2
0.1
0
−0.1
−0.2
−0.3

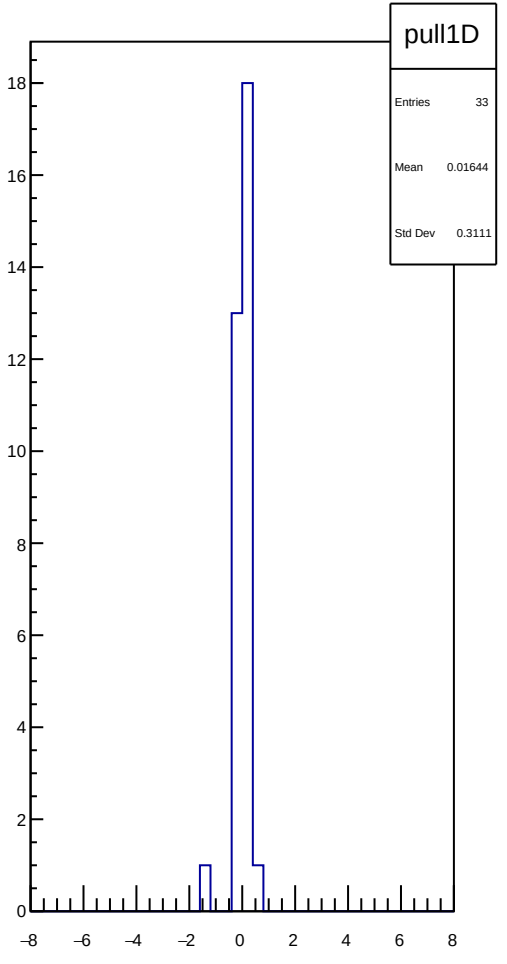

pull1D
Entries 33
Mean 0.0006724
Std Dev 0.1614
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

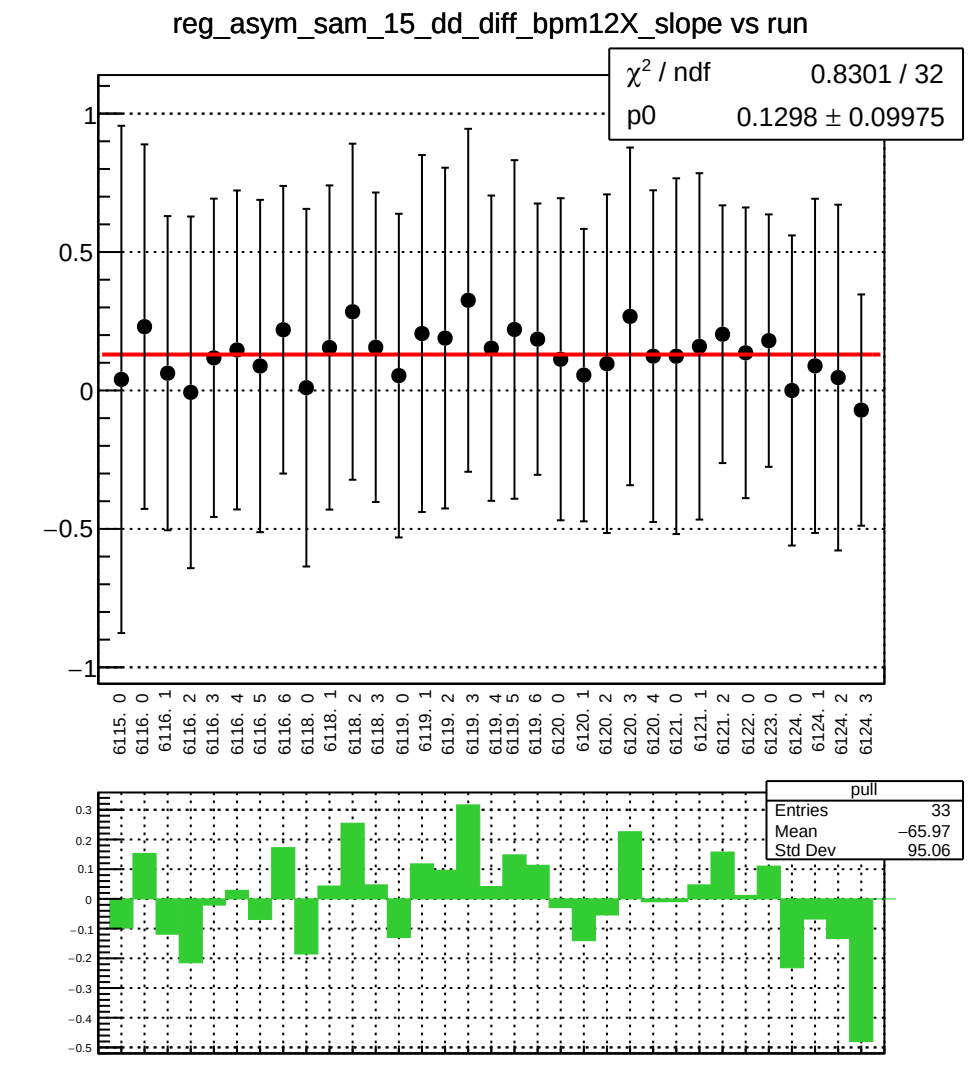

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.781 / 32
p0 −53.09 ± 1.232
−40
−45
−50
−55
−60
−65
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 69.64
Std Dev 52.55
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4

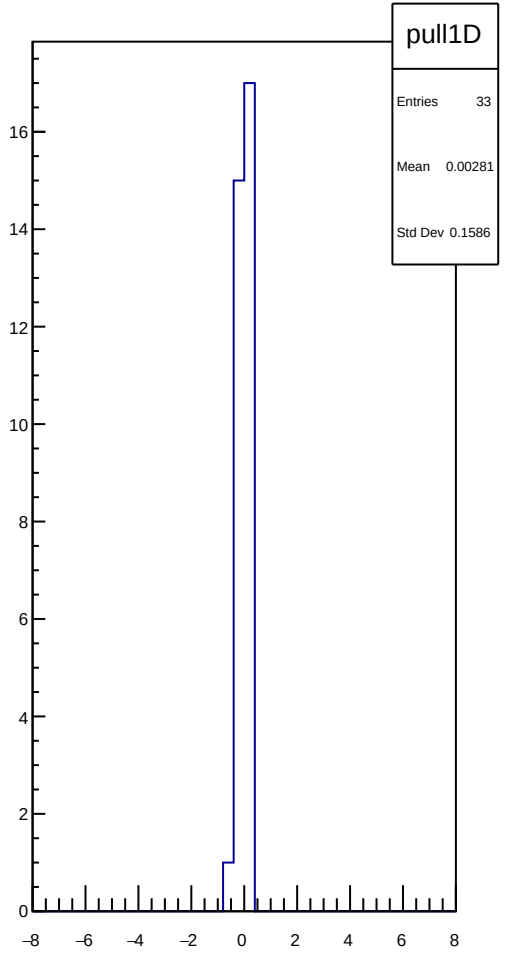

pull1D
Entries 33
Mean −0.01574
Std Dev 0.2899
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

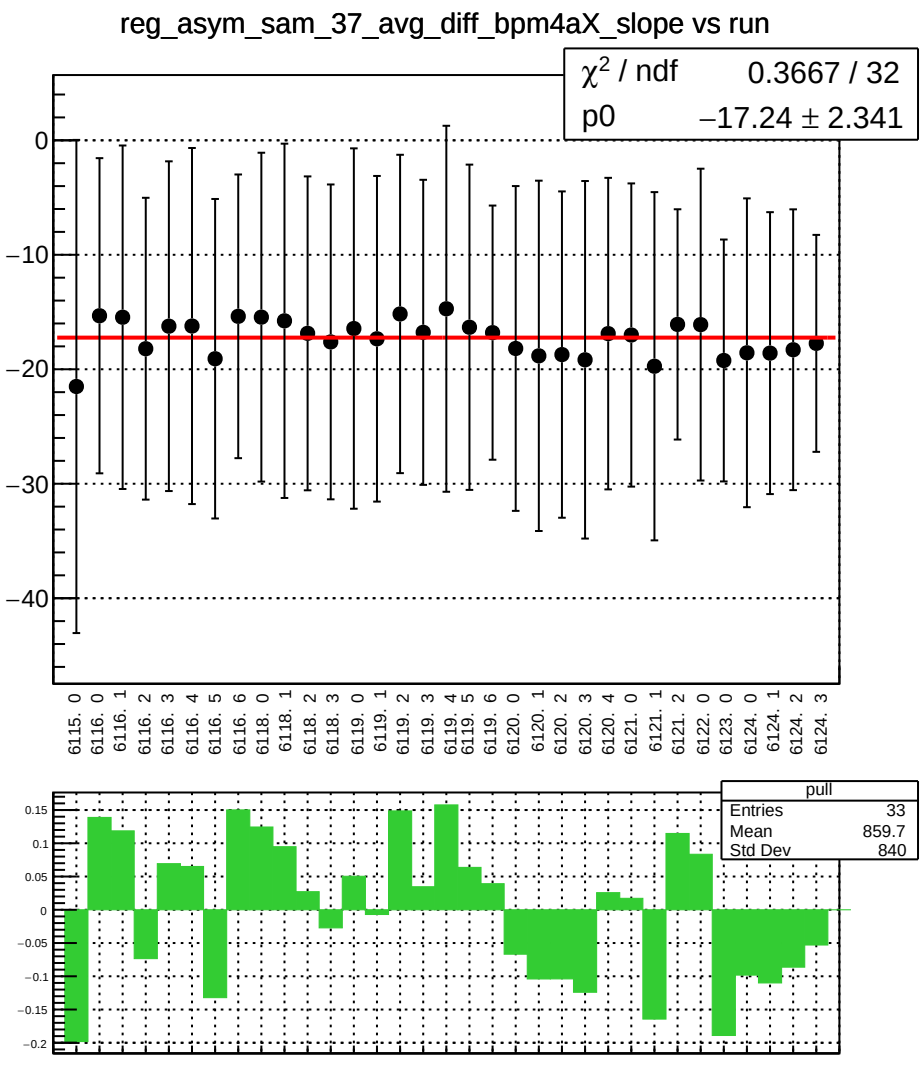

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.8655 / 32
p0 2.731 ± 2.279
20
10
0
−10
−20
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 298.4
Std Dev 278.6
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
pull1D
Entries 33
Mean 0.0004328
Std Dev 0.1619
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

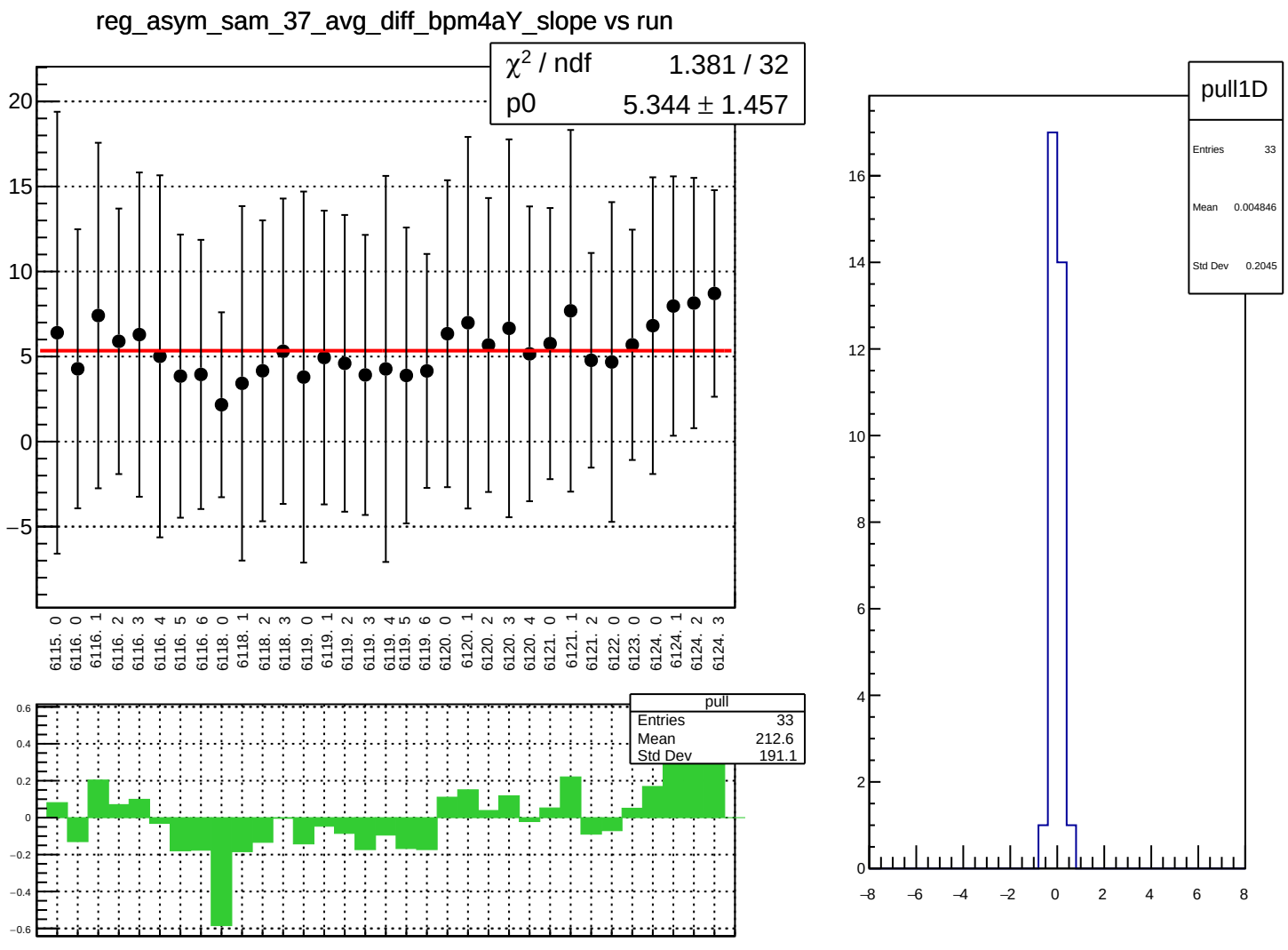

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.203 / 32
p0 −46.26 ± 1.315
−30
−35
−40
−45
−50
−55
−60
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 48.22
Std Dev 34.13
0.5
0
−0.5
−1
−1.5

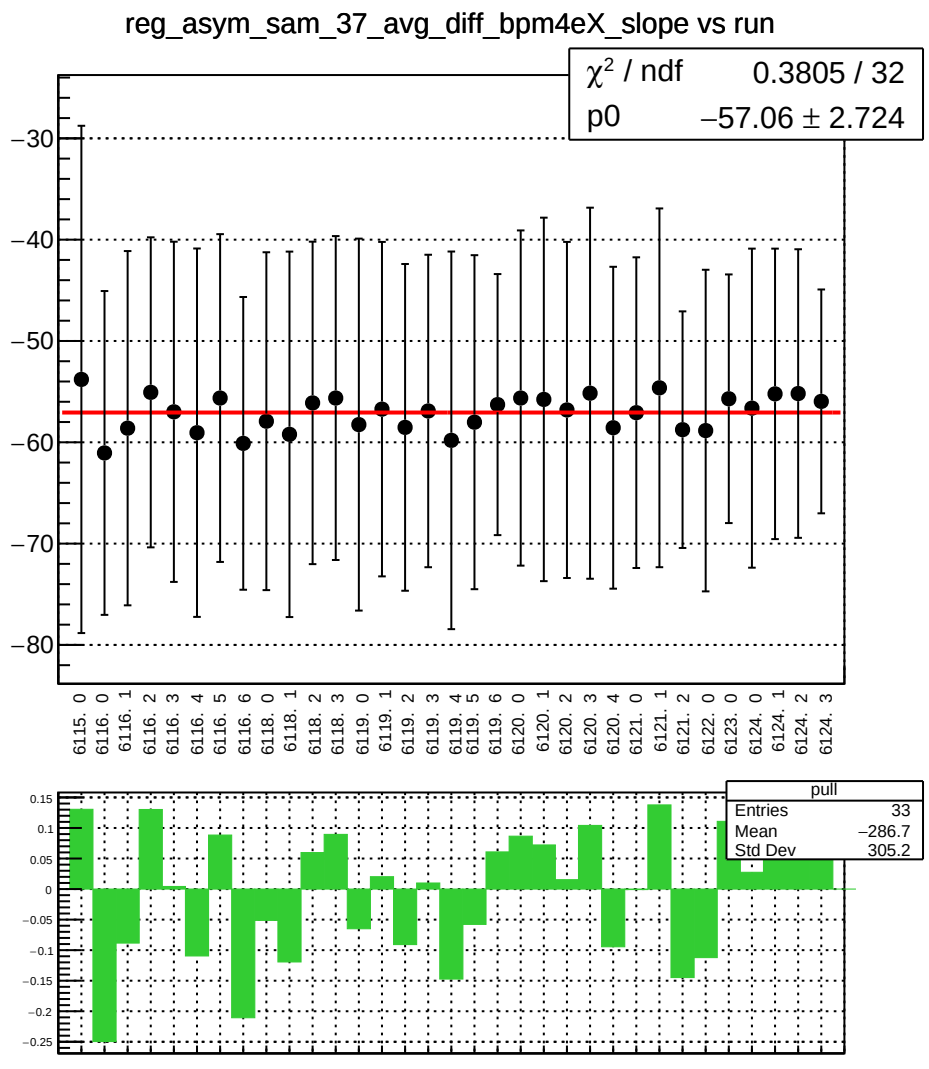

pull1D
Entries 33
Mean 0.01644
Std Dev 0.3111
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

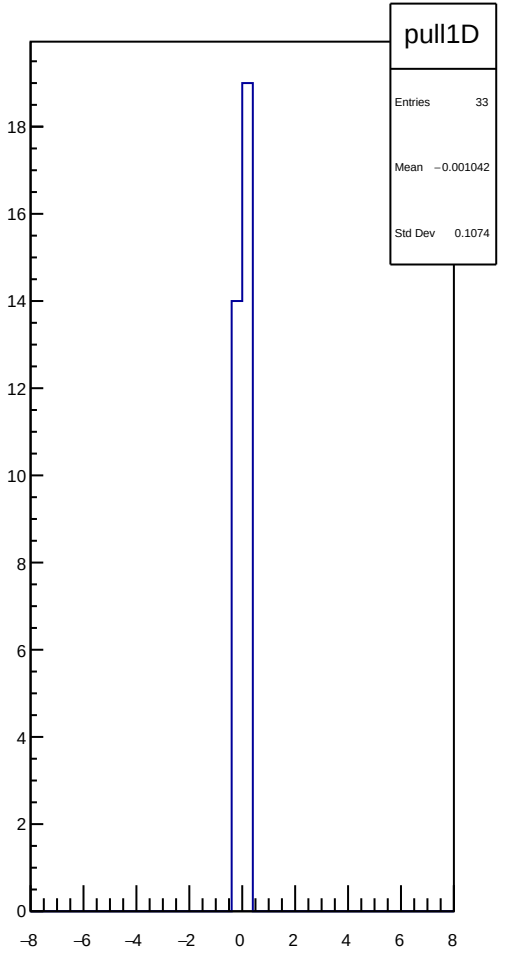

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 0.8301 / 32
p0 0.1298 ± 0.09975
1
0.5
0
−0.5
−1
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −65.97
Std Dev 95.06
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5

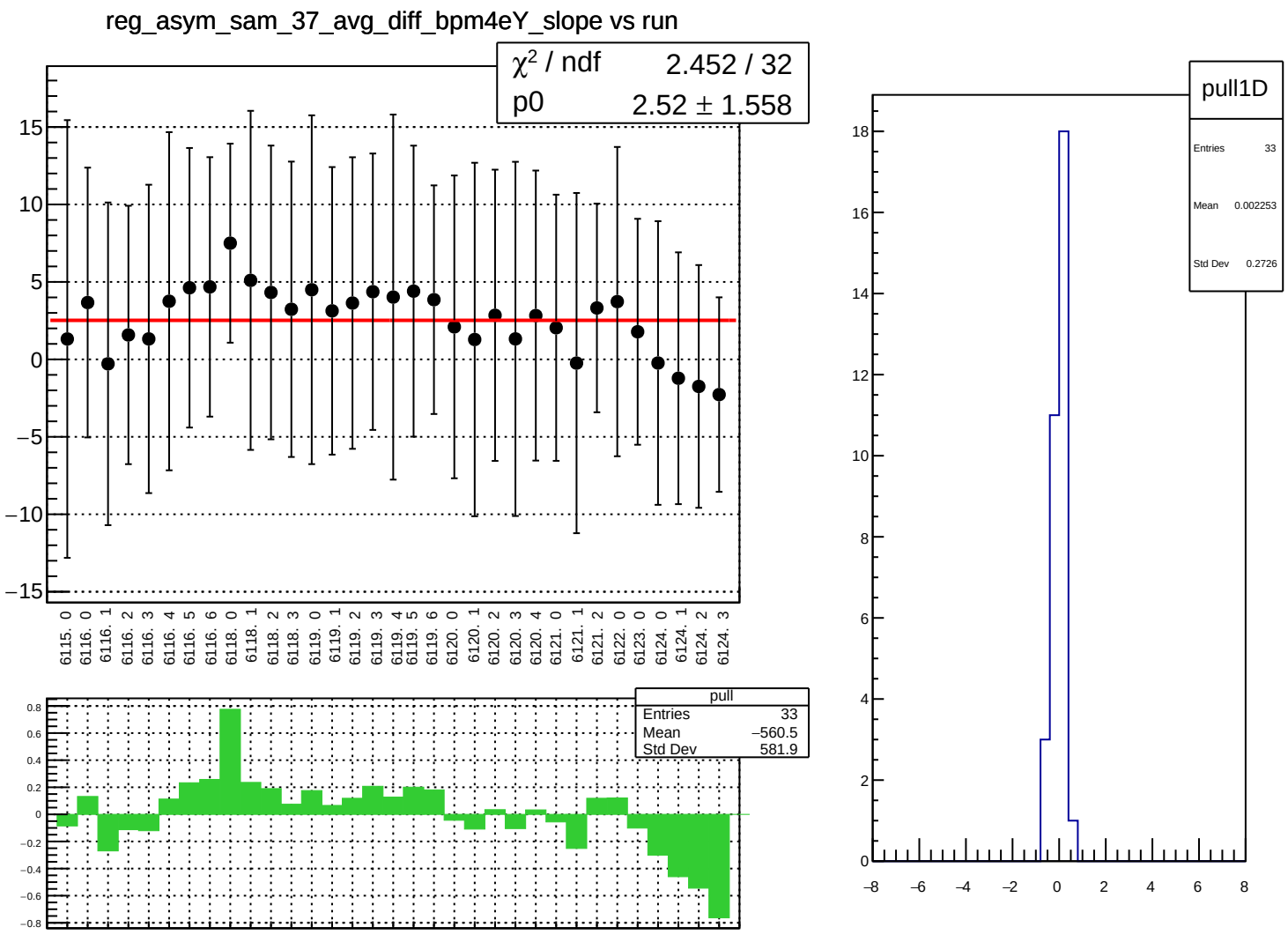

pull1D
Entries 33
Mean 0.00281
Std Dev 0.1586
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

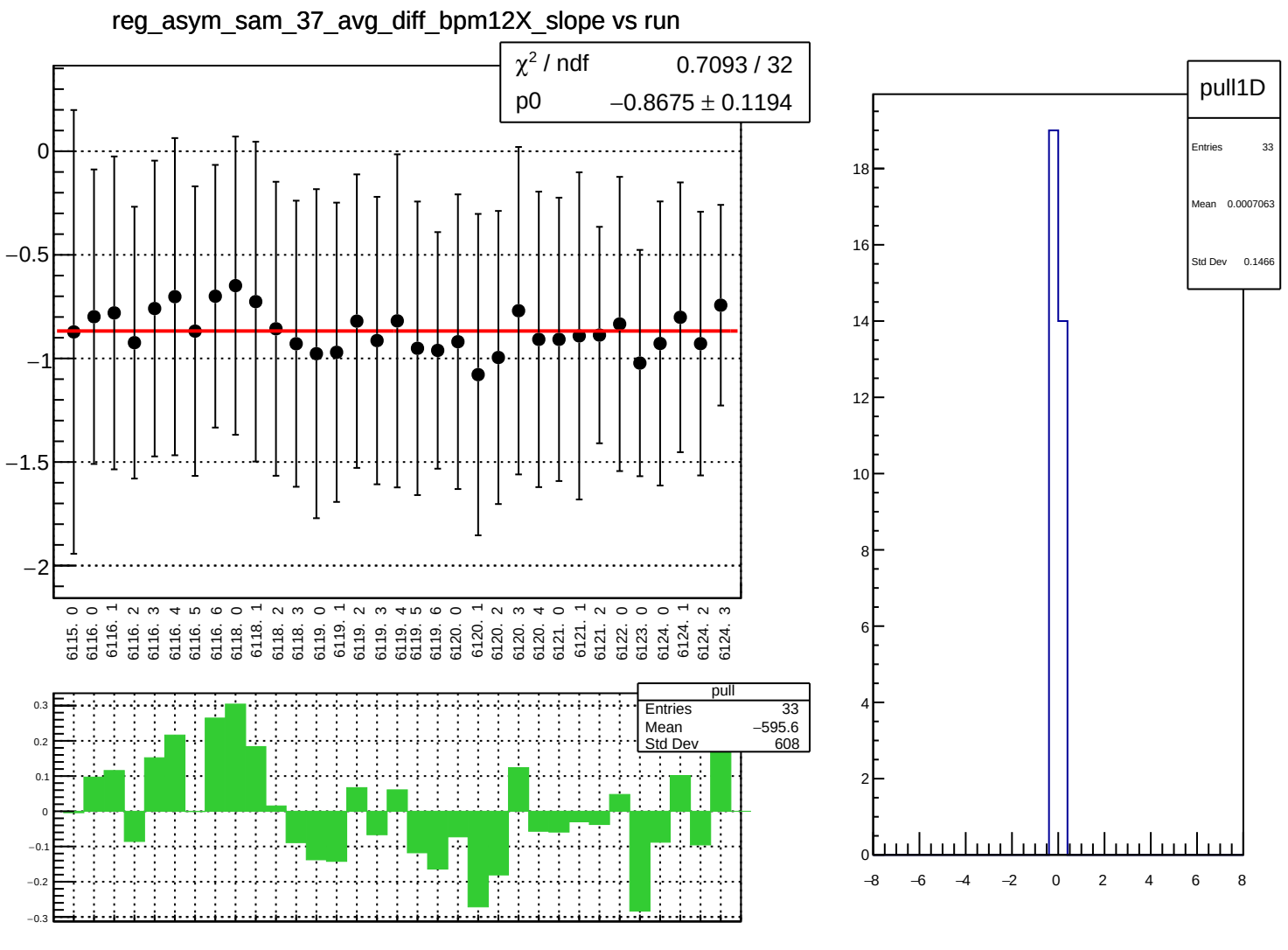

reg_asym_sam_37_avg_diff_bpm4aX_slope vs run
χ² / ndf 0.3667 / 32
p0 −17.24 ± 2.341
0
−10
−20
−30
−40
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 859.7
Std Dev 840
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
pull1D
Entries 33
Mean −0.0004117
Std Dev 0.1054
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

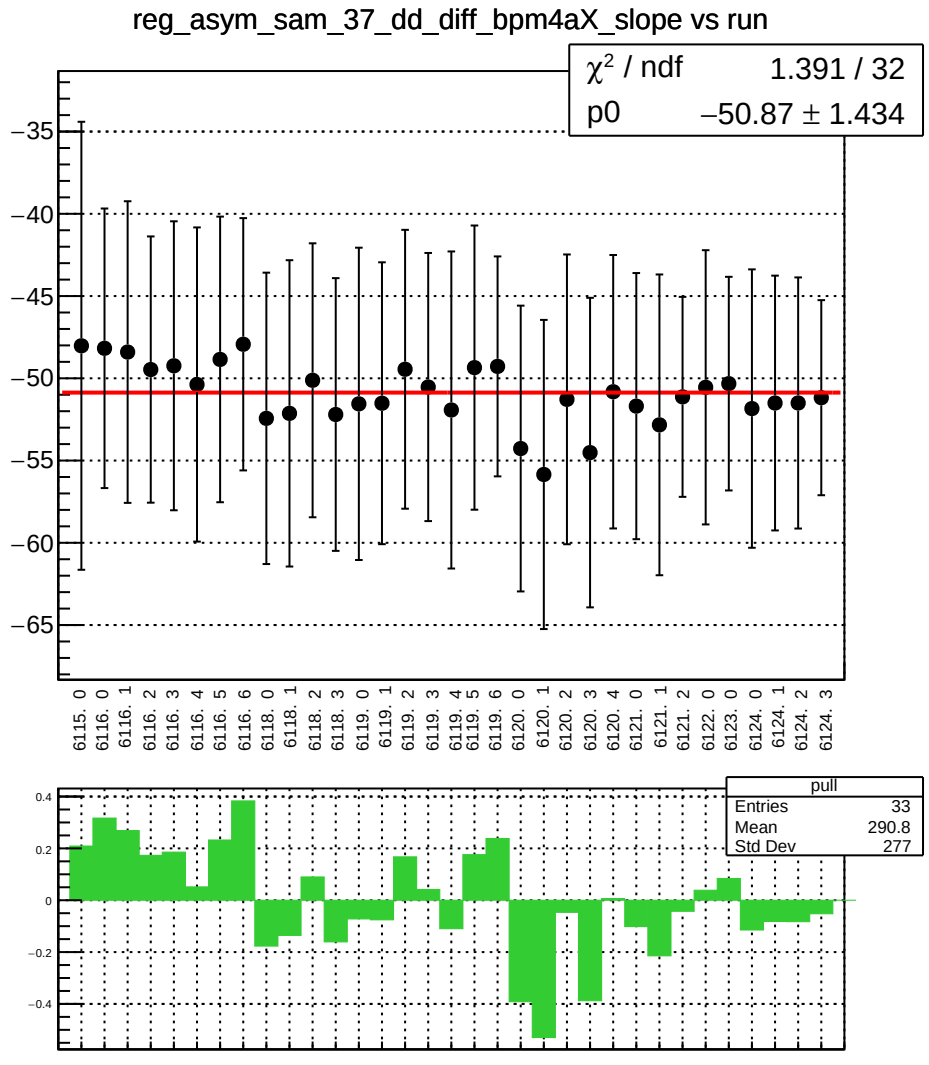

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.381 / 32
p0 5.344 ± 1.457
20
15
10
5
0
−5
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 212.6
Std Dev 191.1
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 33
Mean 0.004846
Std Dev 0.2045
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

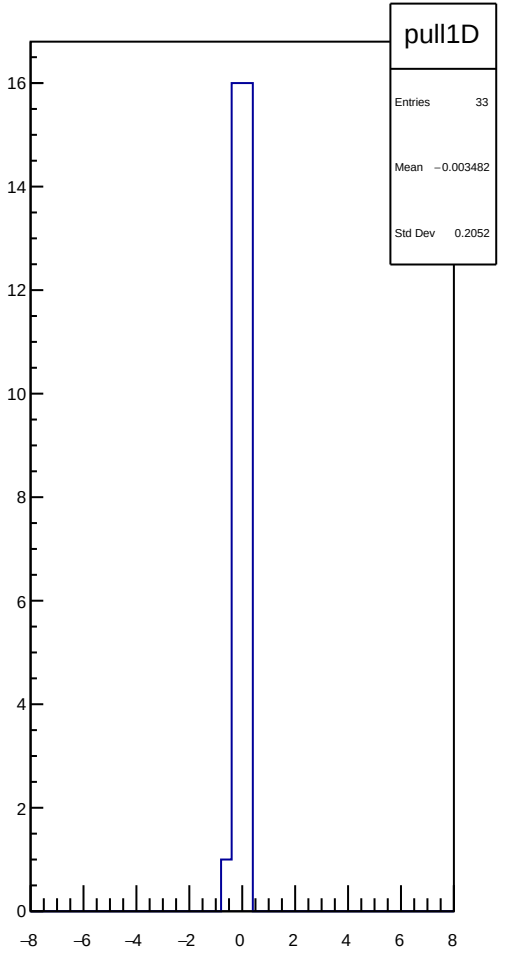

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 0.3805 / 32
p0 −57.06 ± 2.724
−30
−40
−50
−60
−70
−80
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −286.7
Std Dev 305.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25

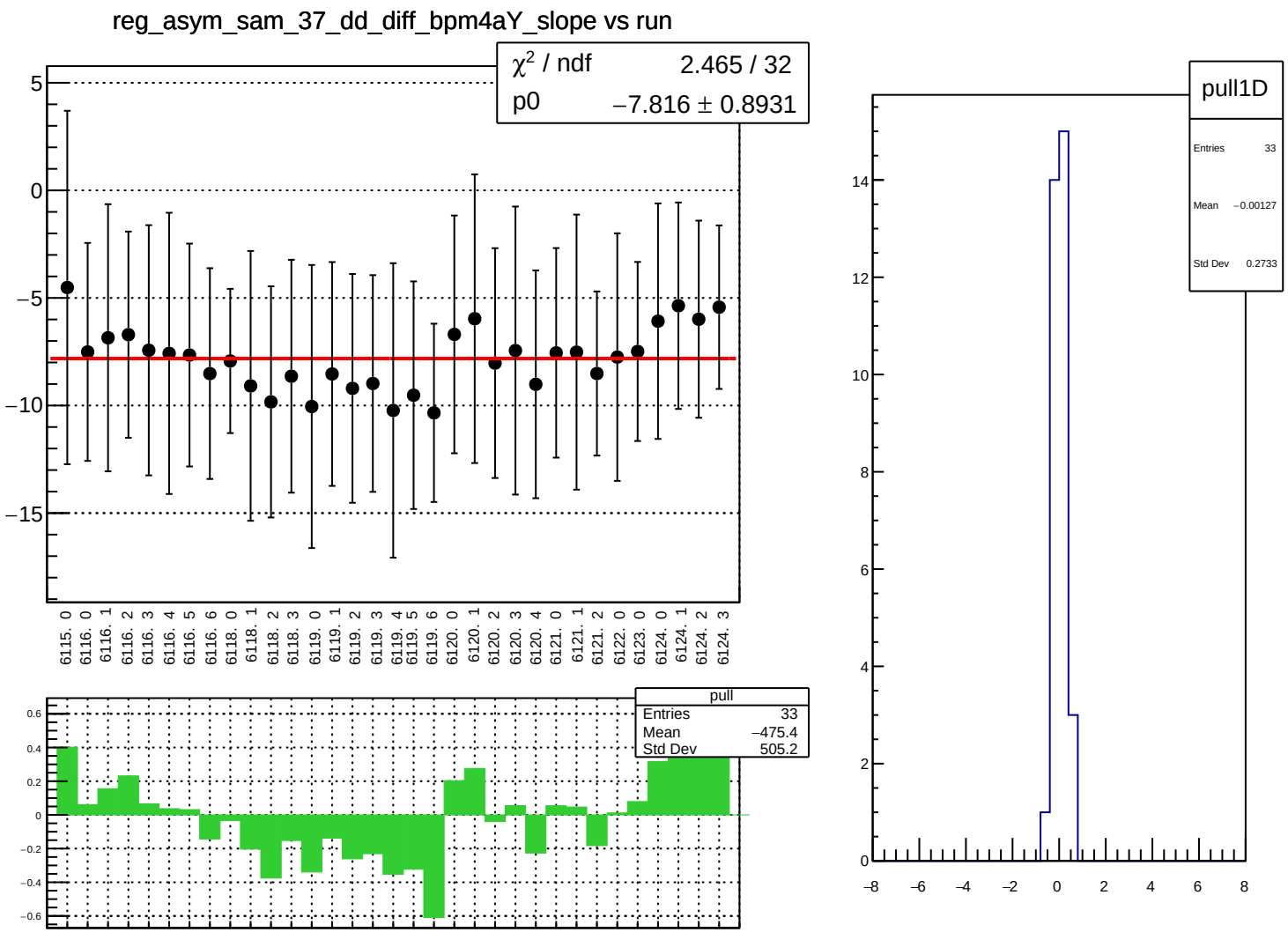

pull1D
Entries 33
Mean −0.001042
Std Dev 0.1074
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

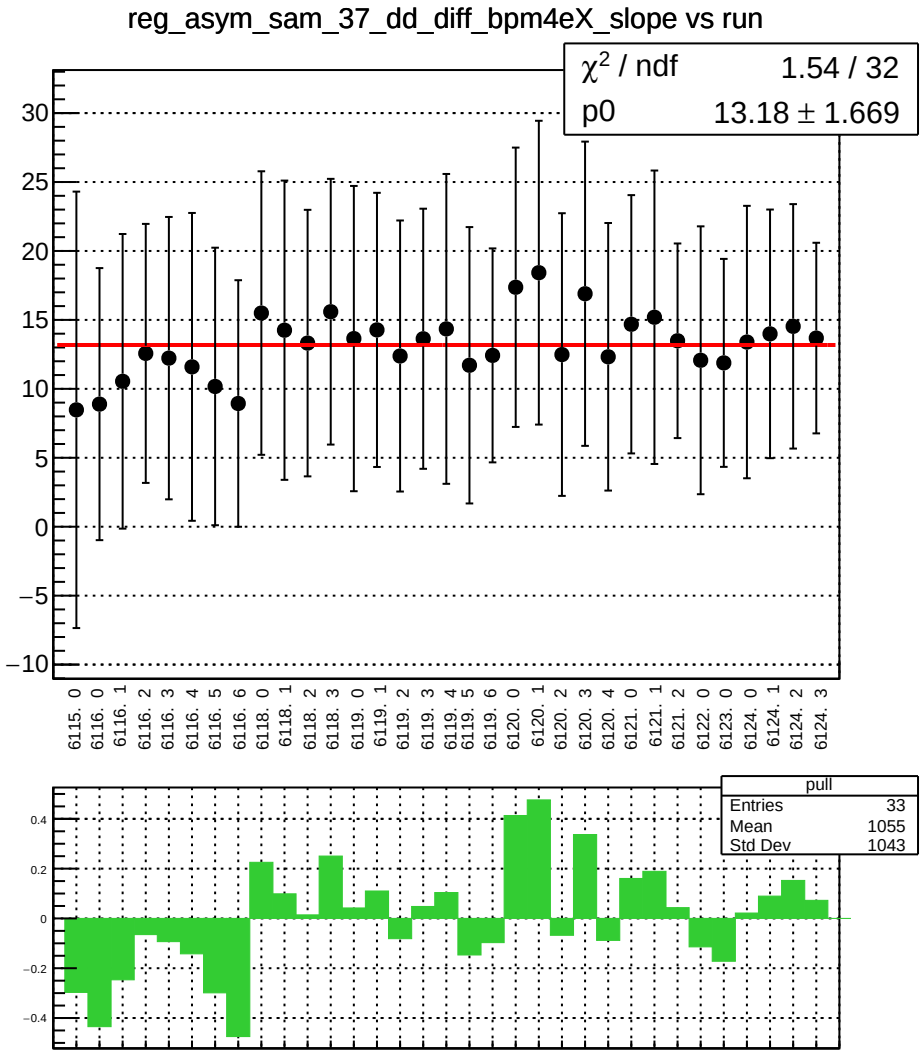

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.452 / 32
p0 2.52 ± 1.558
15
10
5
0
−5
−10
−15
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −560.5
Std Dev 581.9
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 33
Mean 0.002253
Std Dev 0.2726
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

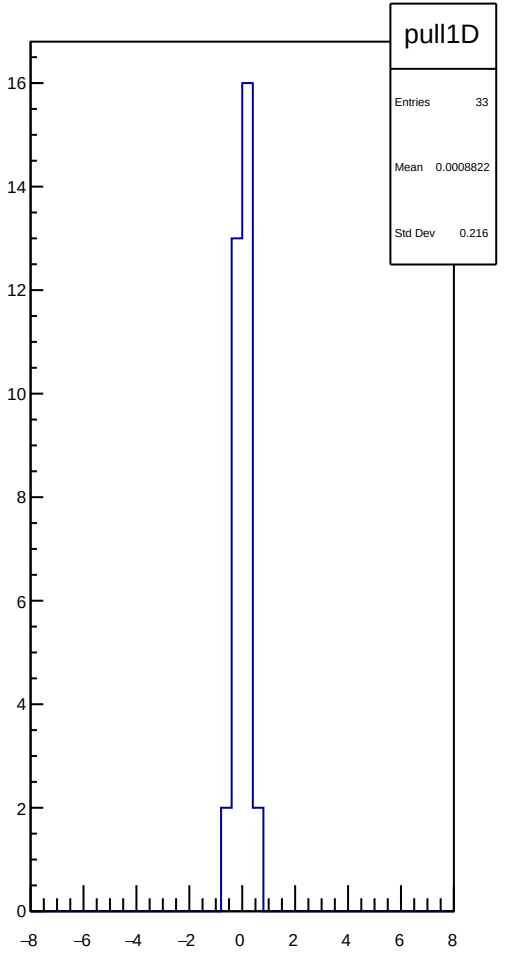

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 0.7093 / 32
p0 −0.8675 ± 0.1194
0
−0.5
−1
−1.5
−2
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −595.6
Std Dev 608
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 33
Mean 0.0007063
Std Dev 0.1466
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

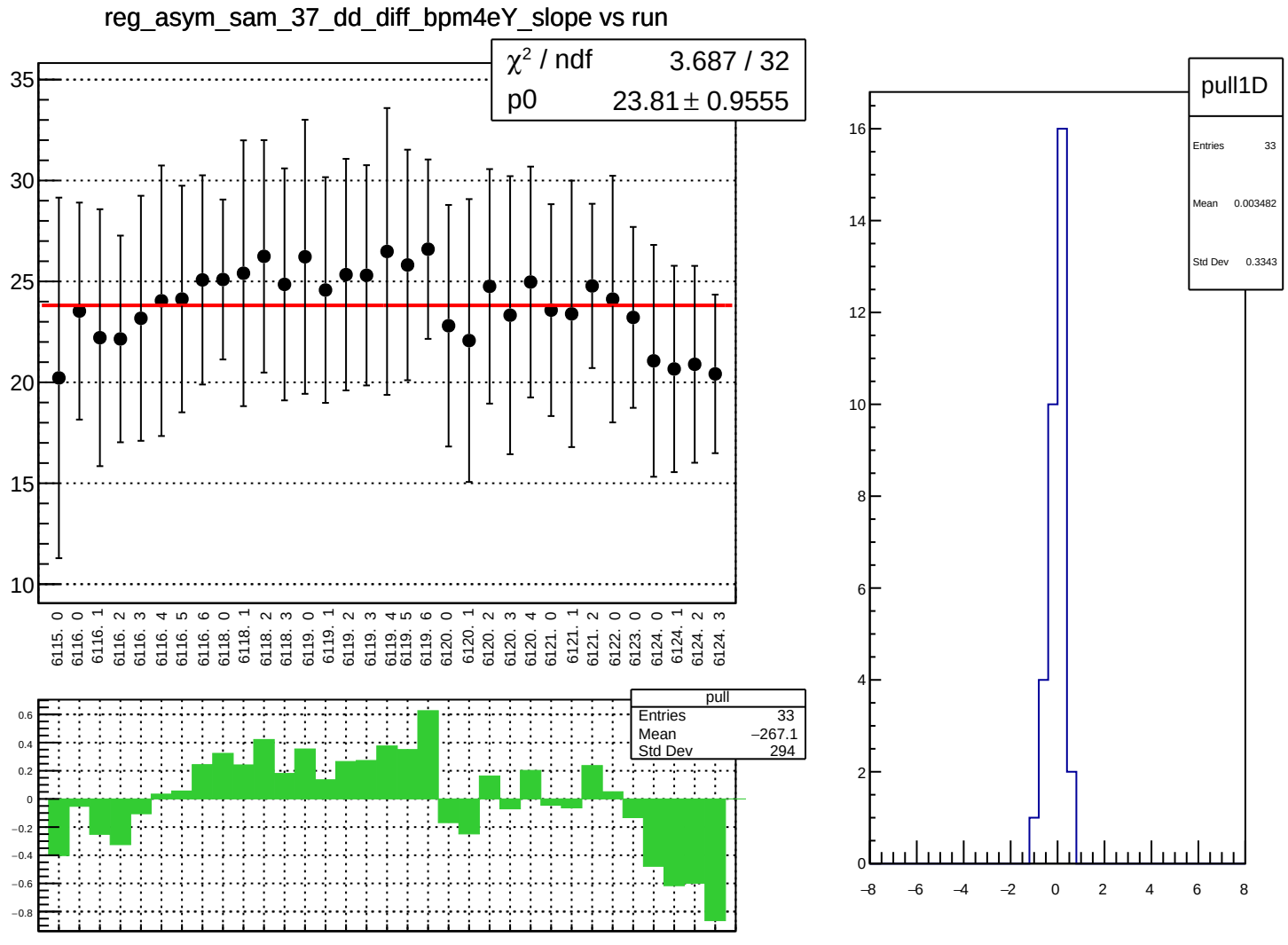

reg_asym_sam_37_dd_diff_bpm4aX_slope vs run
χ² / ndf 1.391 / 32
p0 −50.87 ± 1.434
−35
−40
−45
−50
−55
−60
−65
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 290.8
Std Dev 277
0.4
0.2
0
−0.2
−0.4

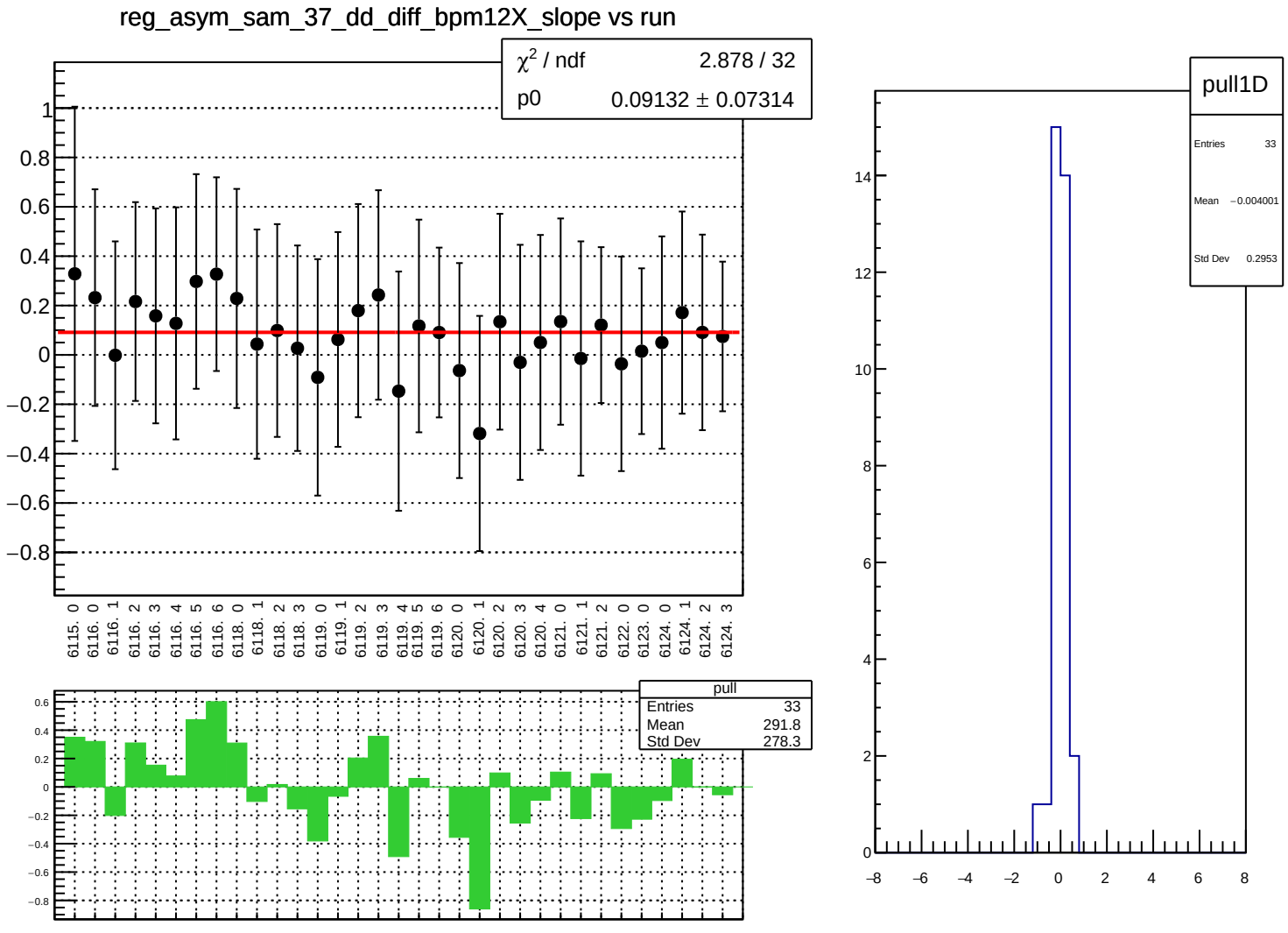

pull1D
Entries 33
Mean −0.003482
Std Dev 0.2052
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

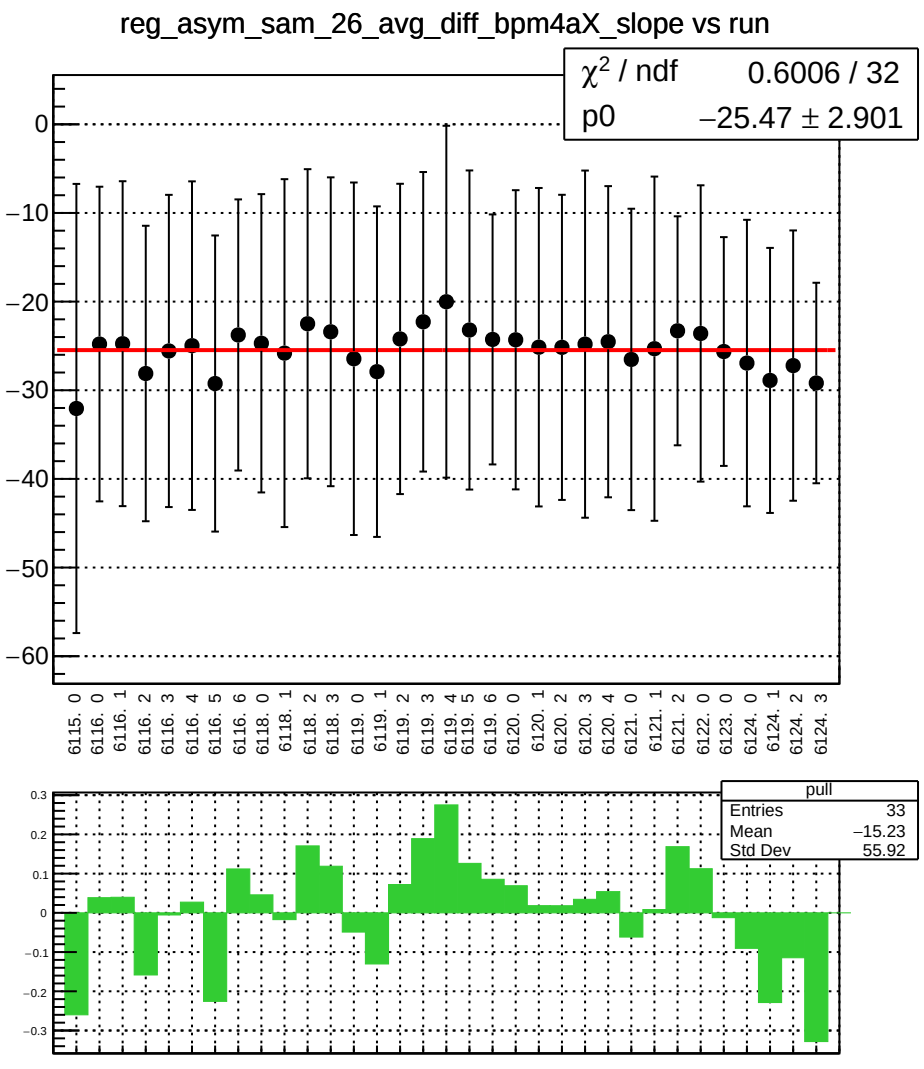

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.465 / 32
p0 −7.816 ± 0.8931
5
0
−5
−10
−15
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −475.4
Std Dev 505.2
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 33
Mean −0.00127
Std Dev 0.2733
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

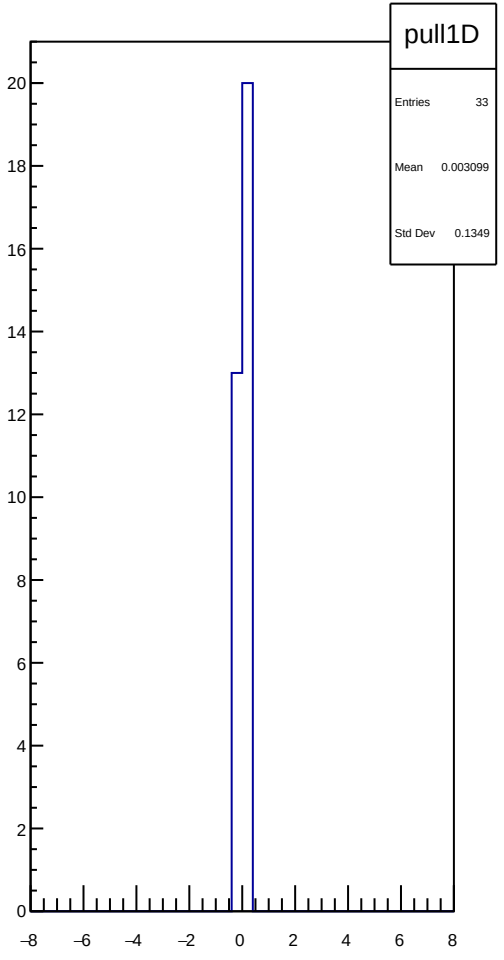

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.54 / 32
p0 13.18 ± 1.669
30
25
20
15
10
5
0
−5
−10
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 1055
Std Dev 1043
0.4
0.2
0
−0.2
−0.4

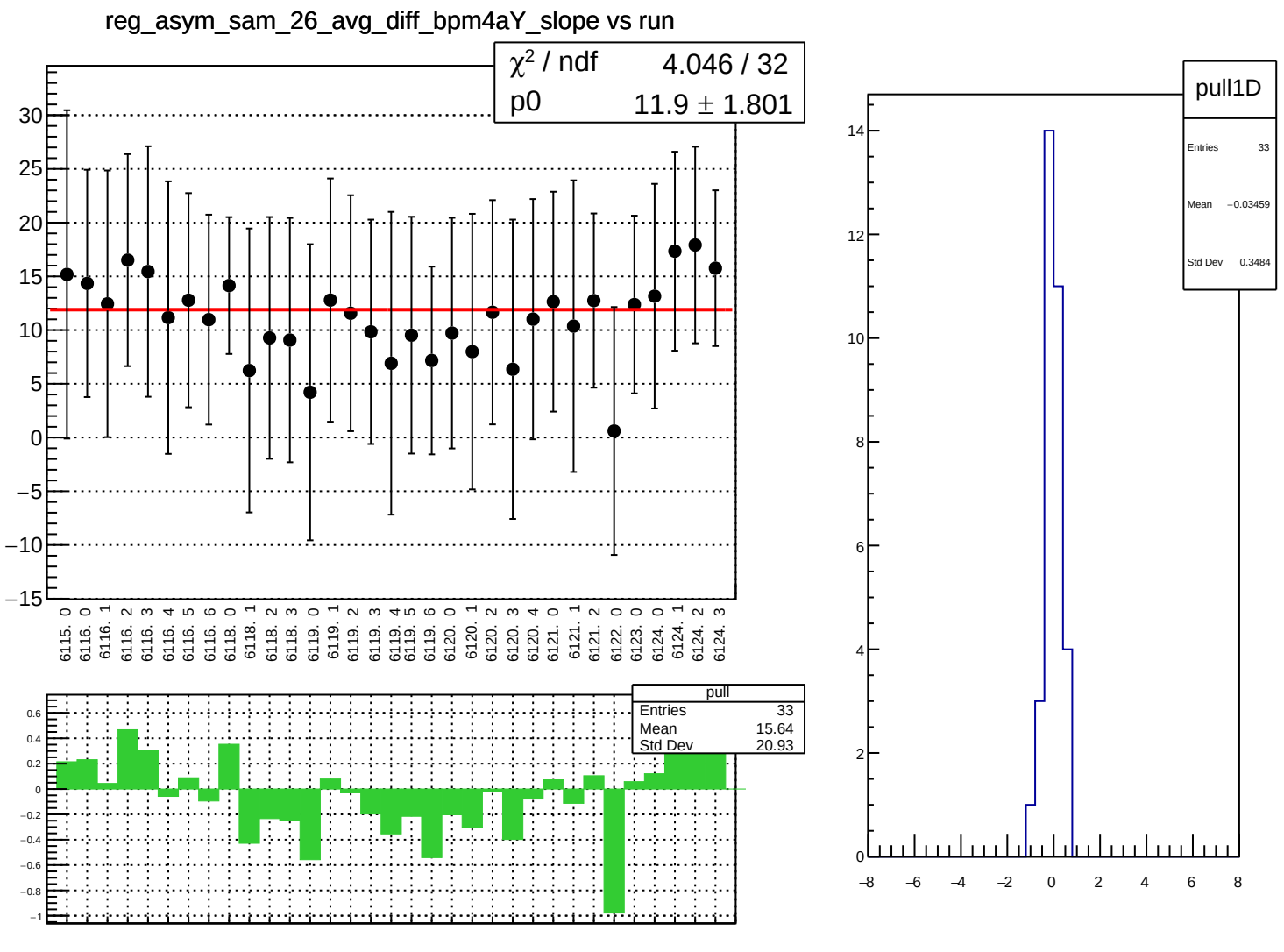

pull1D
Entries 33
Mean 0.0008822
Std Dev 0.216
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

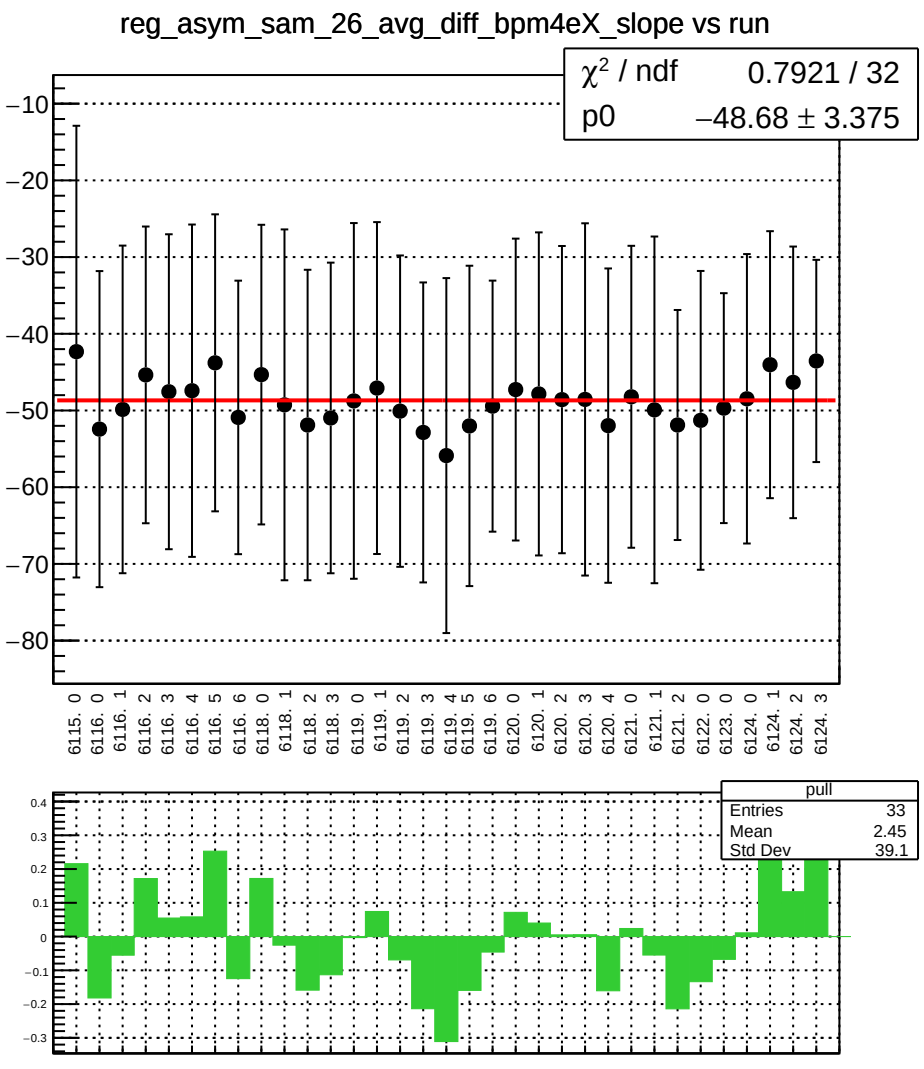

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.687 / 32
p0 23.81 ± 0.9555
35
30
25
20
15
10
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −267.1
Std Dev 294
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 33
Mean 0.003482
Std Dev 0.3343
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

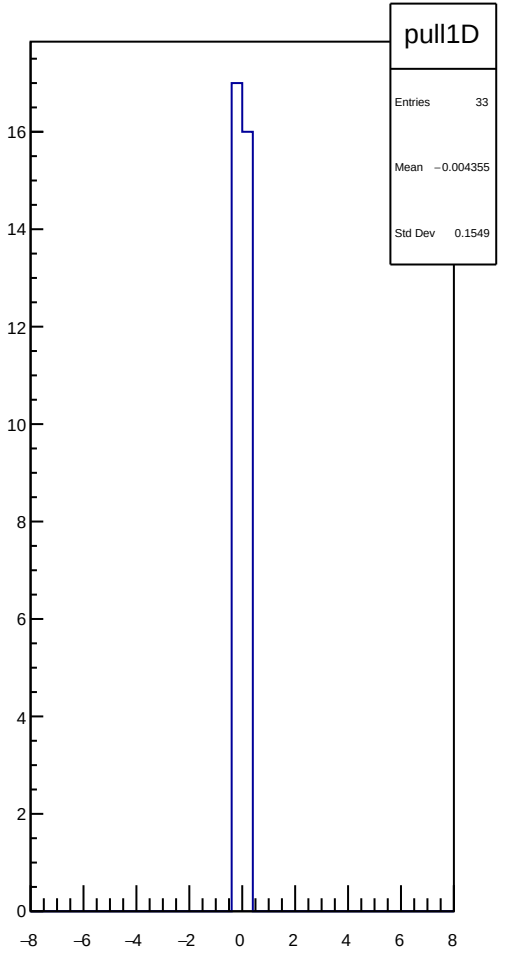

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 2.878 / 32
p0 0.09132 ± 0.07314
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 291.8
Std Dev 278.3
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 33
Mean −0.004001
Std Dev 0.2953
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

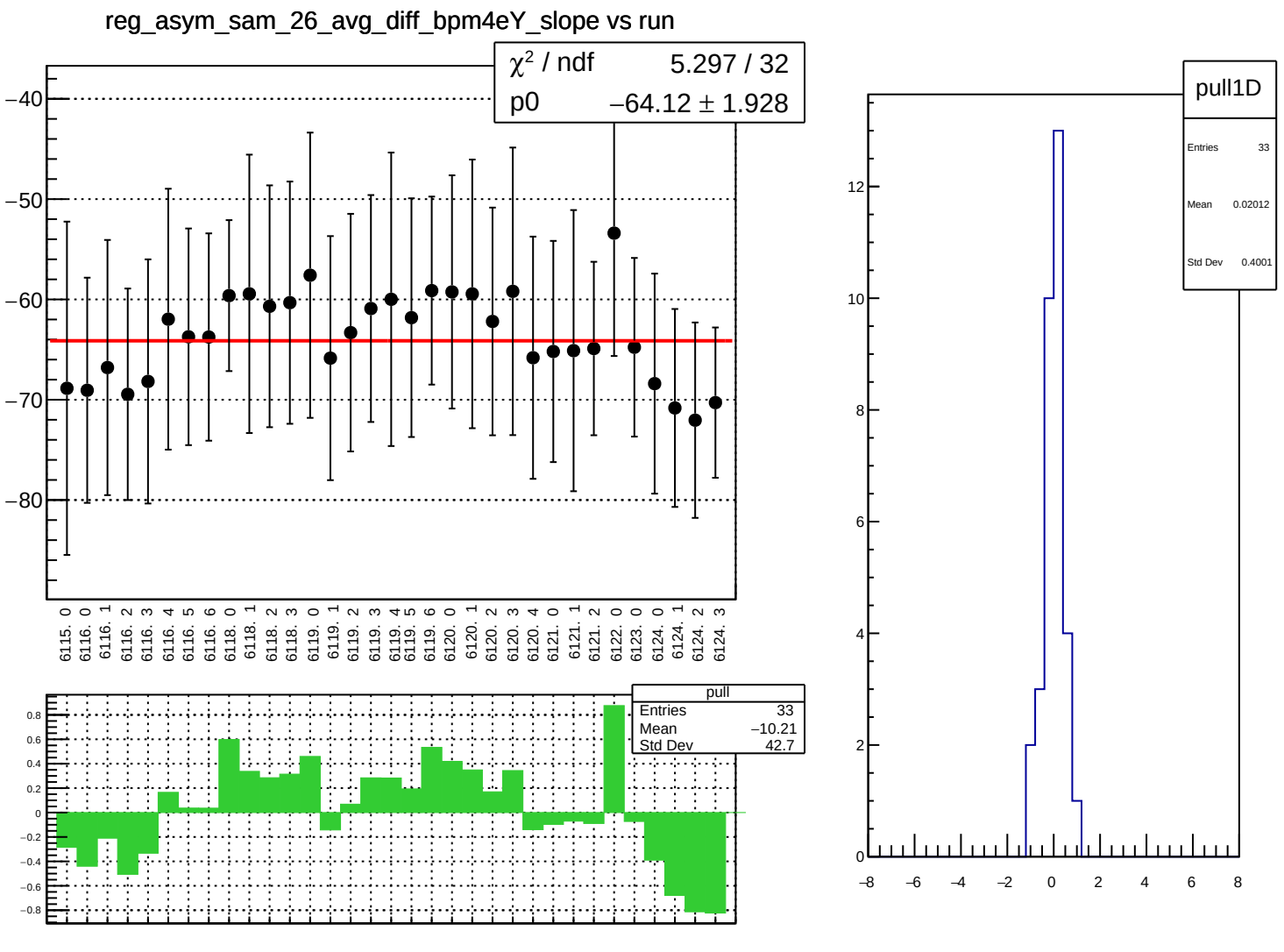

reg_asym_sam_26_avg_diff_bpm4aX_slope vs run
χ² / ndf 0.6006 / 32
p0 −25.47 ± 2.901
0
−10
−20
−30
−40
−50
−60
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −15.23
Std Dev 55.92
0.3
0.2
0.1
0
−0.1
−0.2
−0.3

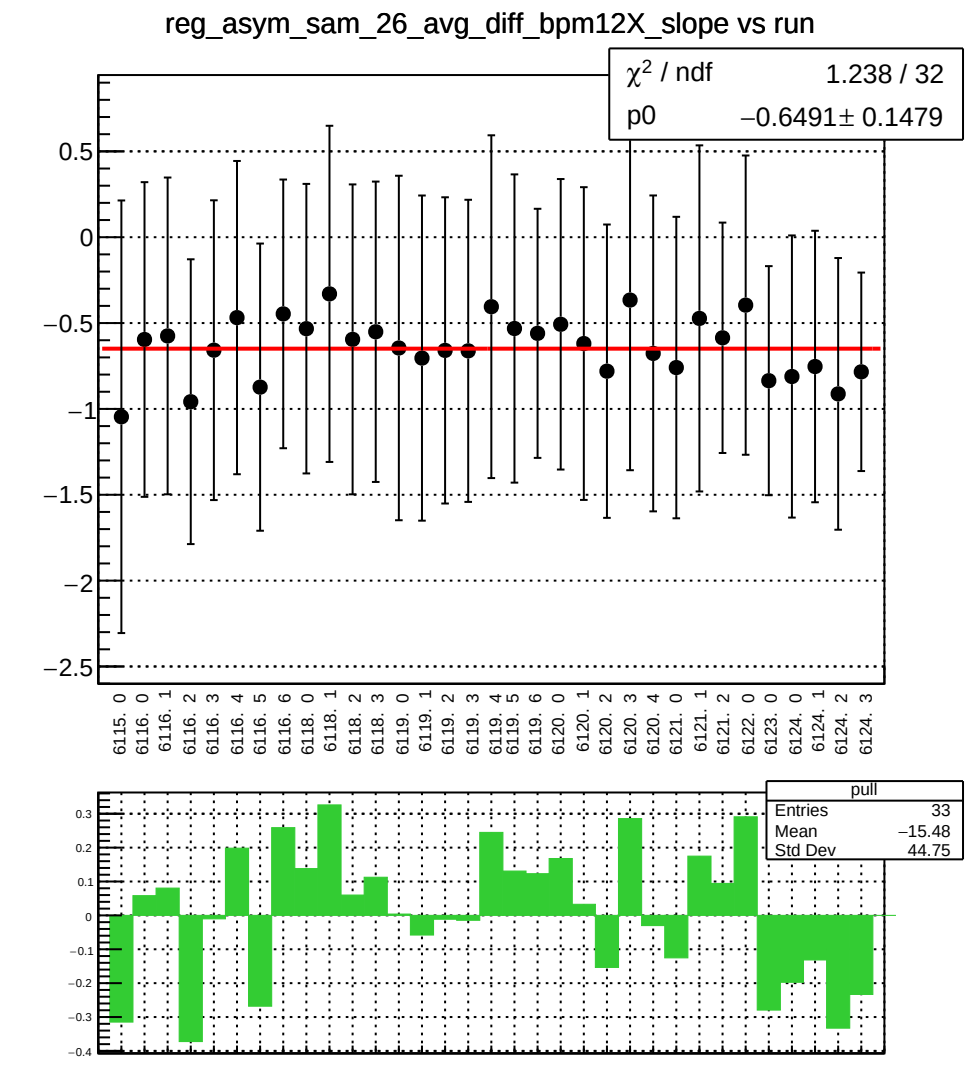

pull1D
Entries 33
Mean 0.003099
Std Dev 0.1349
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

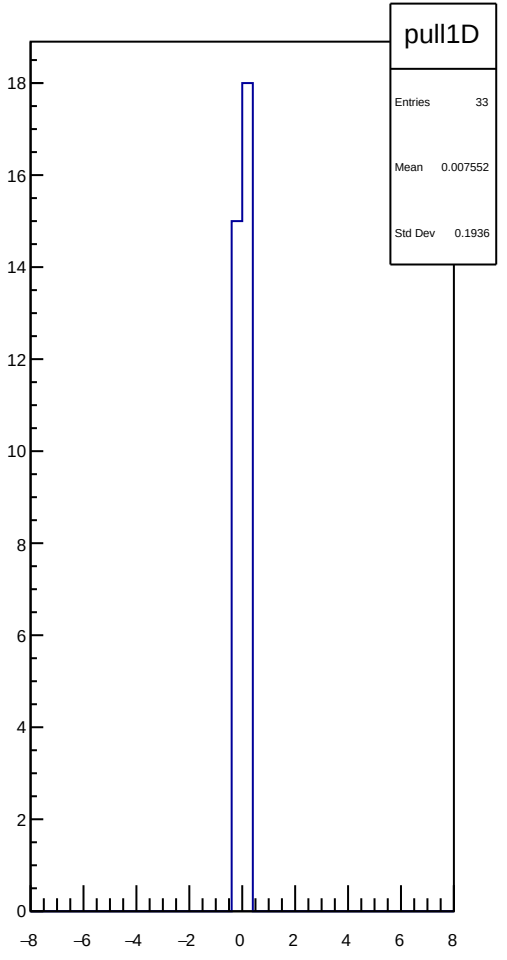

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.046 / 32
p0 11.9 ± 1.801
pull
Entries 33
Mean 15.64
Std Dev 20.93
pull1D
Entries 33
Mean −0.03459
Std Dev 0.3484

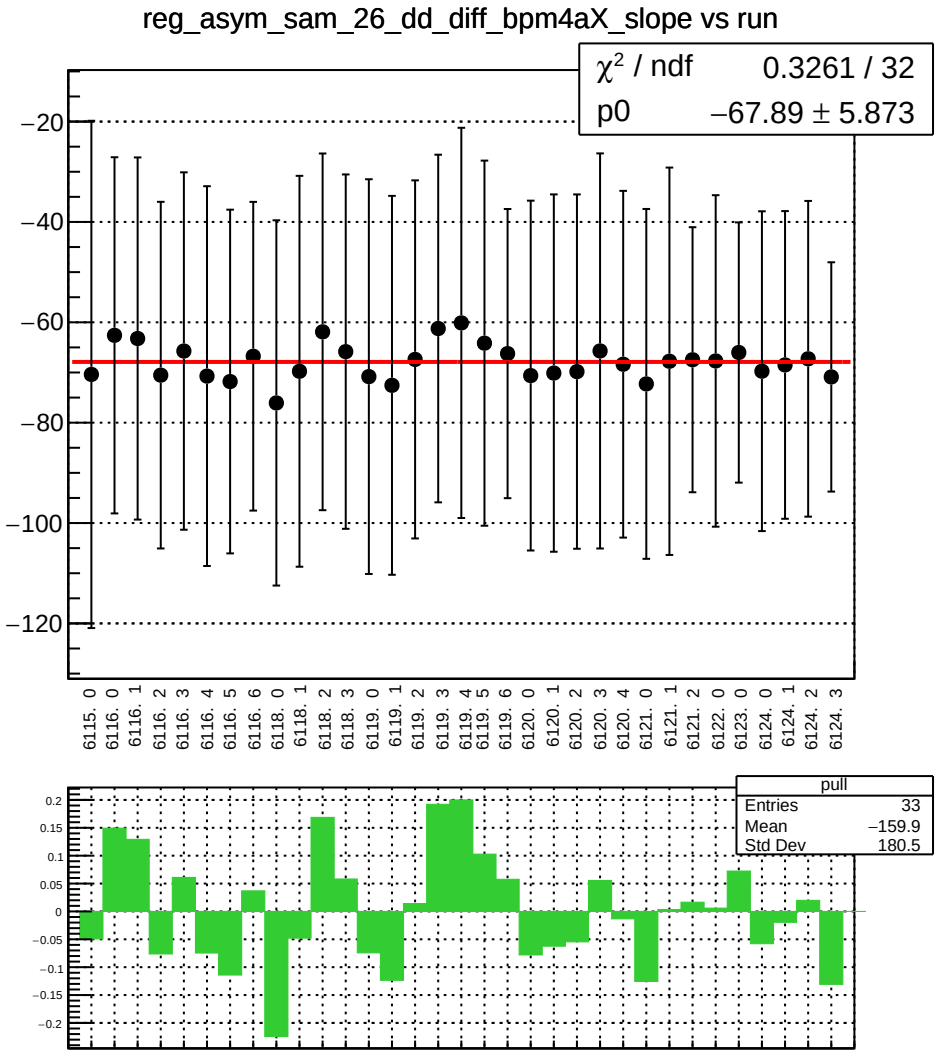

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 0.7921 / 32
p0 −48.68 ± 3.375
−10
−20
−30
−40
−50
−60
−70
−80
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 2.45
Std Dev 39.1
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3

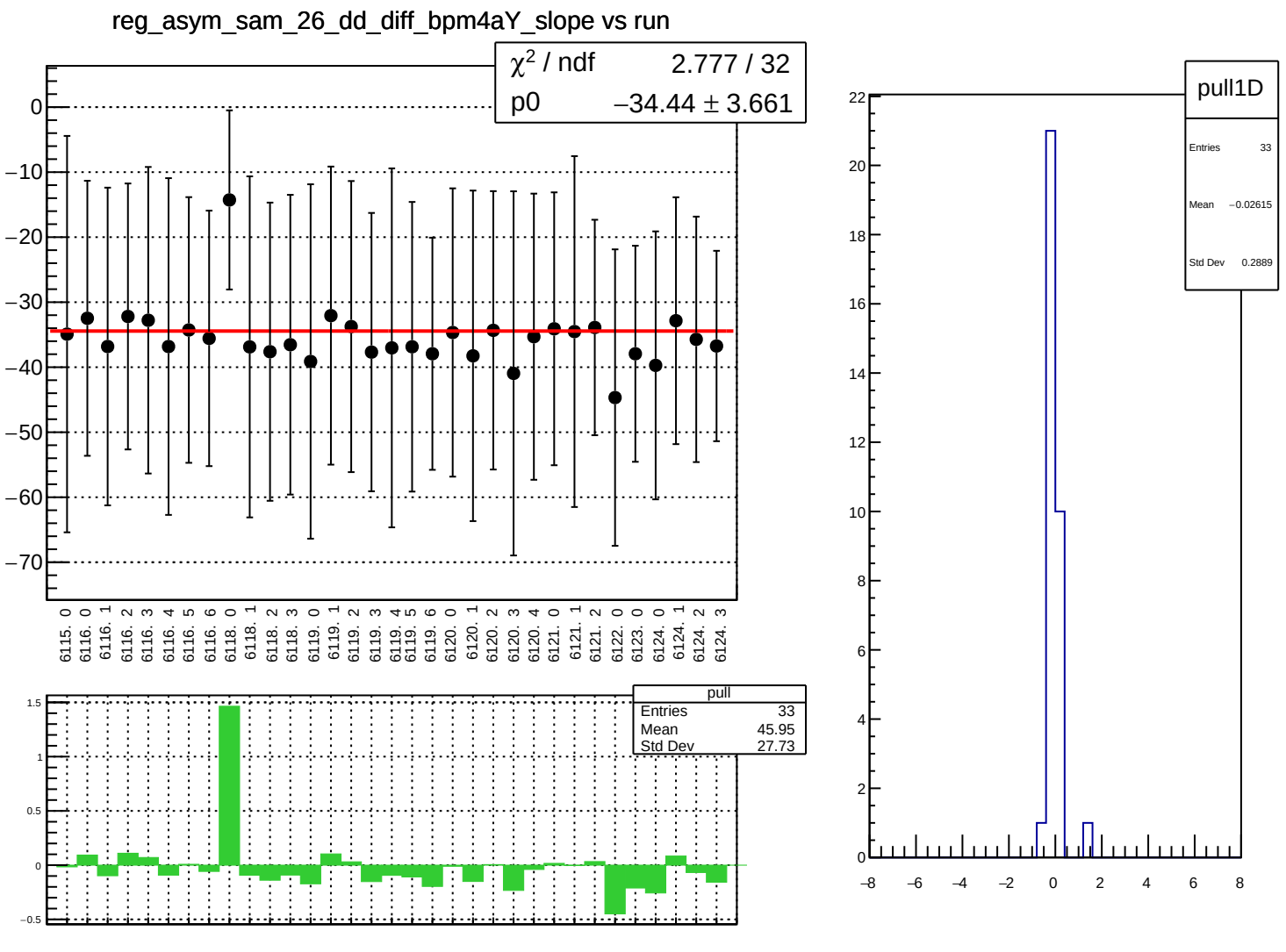

pull1D
Entries 33
Mean −0.004355
Std Dev 0.1549
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

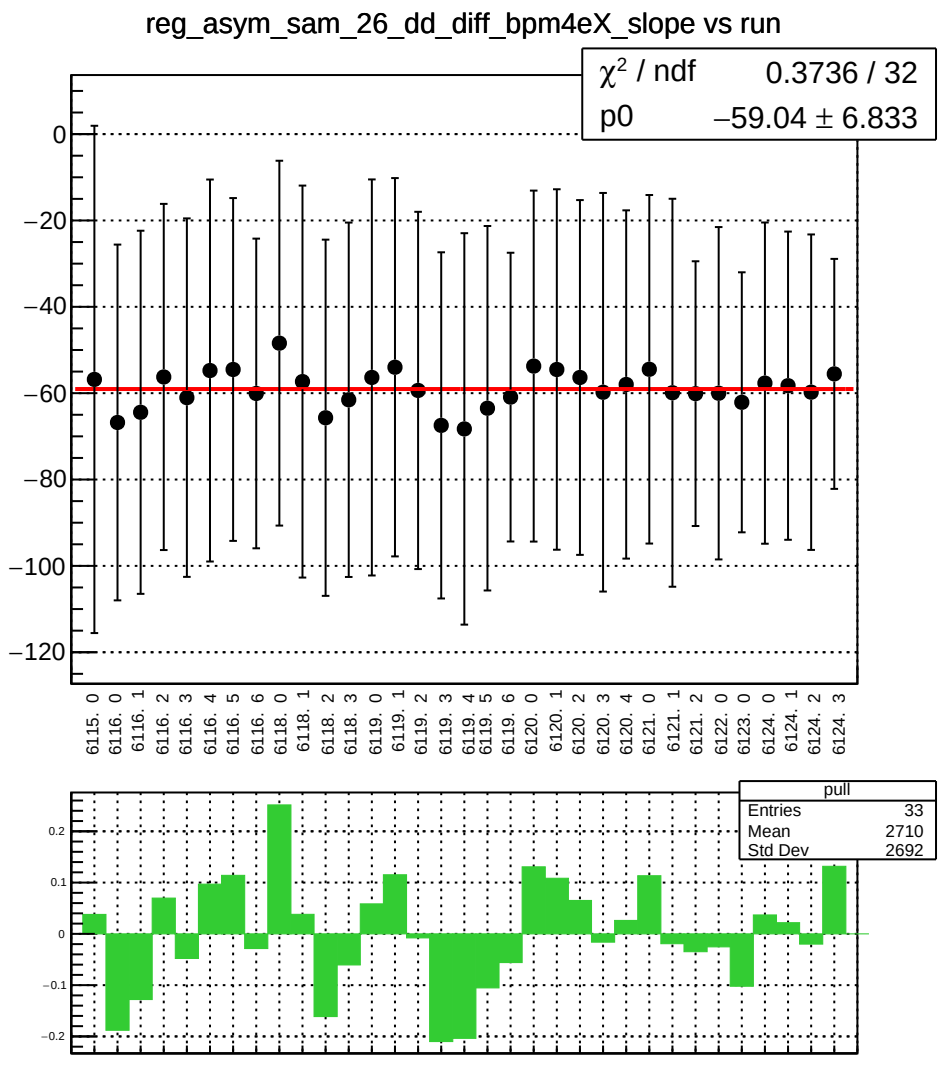

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.297 / 32
p0 −64.12 ± 1.928
−40
−50
−60
−70
−80
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −10.21
Std Dev 42.7
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 33
Mean 0.02012
Std Dev 0.4001
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

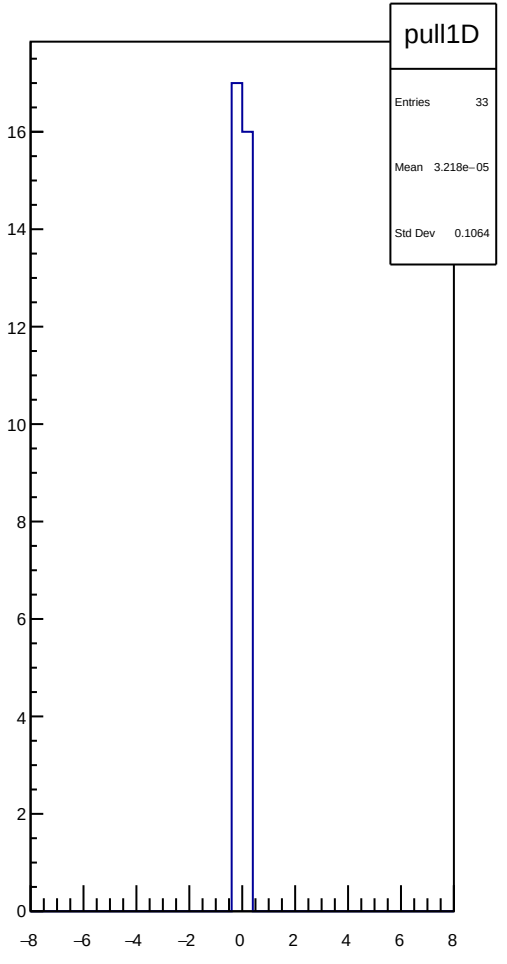

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 1.238 / 32
p0 −0.6491± 0.1479
0.5
0
−0.5
−1
−1.5
−2
−2.5
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −15.48
Std Dev 44.75
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4

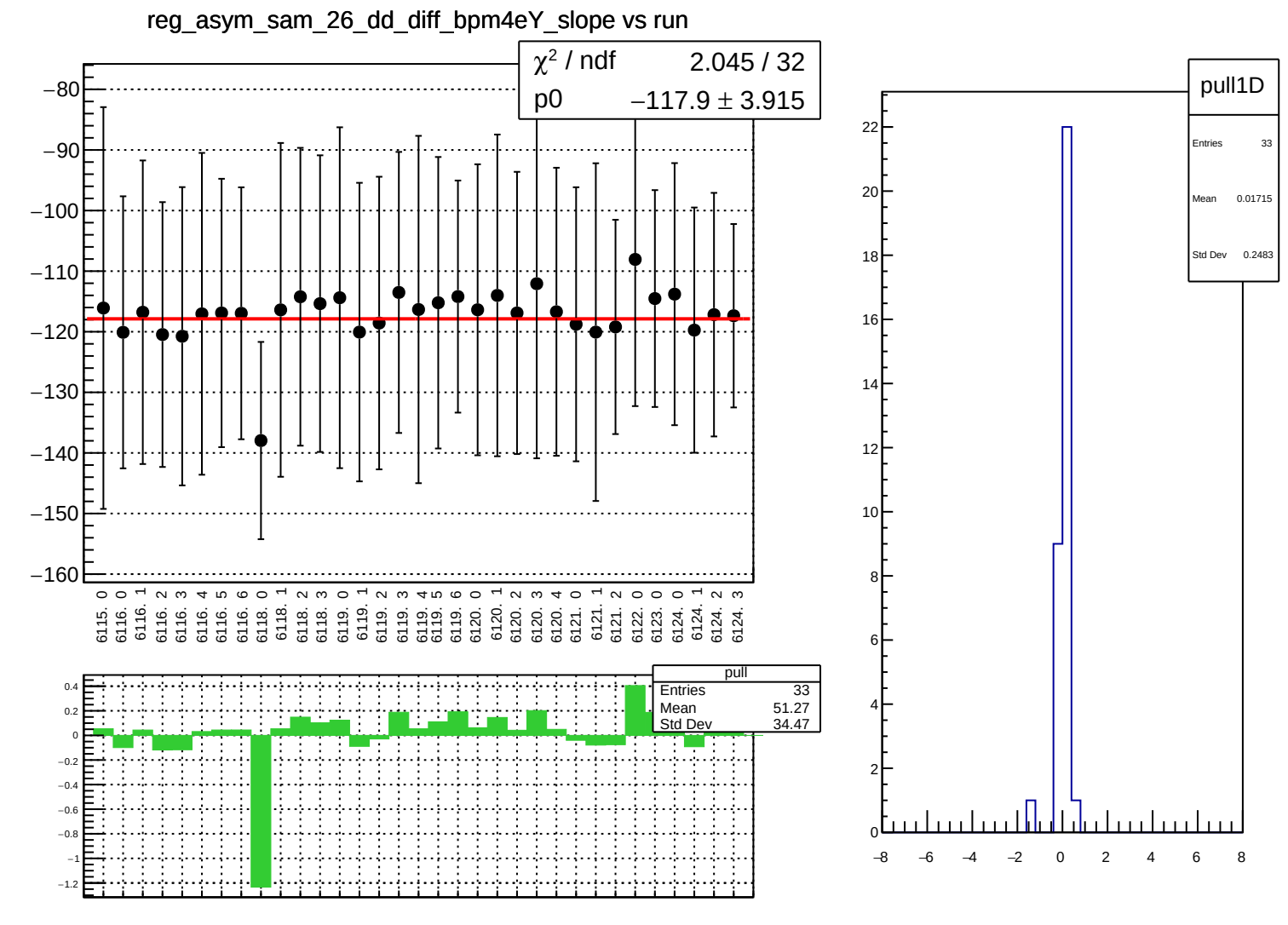

pull1D
Entries 33
Mean 0.007552
Std Dev 0.1936
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

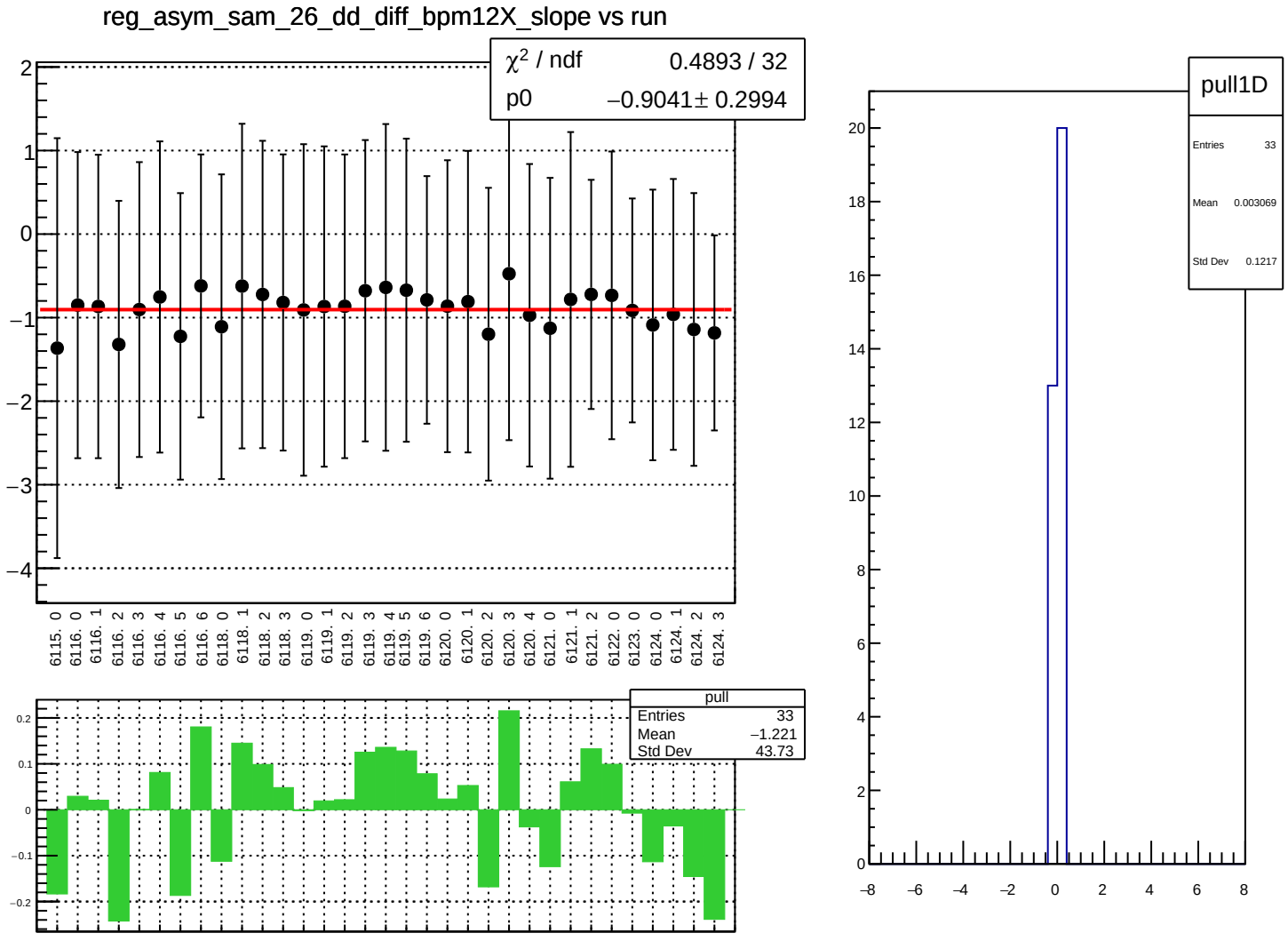

reg_asym_sam_26_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.3261 / 32
p0 −67.89 ± 5.873
−20
−40
−60
−80
−100
−120
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −159.9
Std Dev 180.5
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
pull1D
Entries 33
Mean 0.0005309
Std Dev 0.0994
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

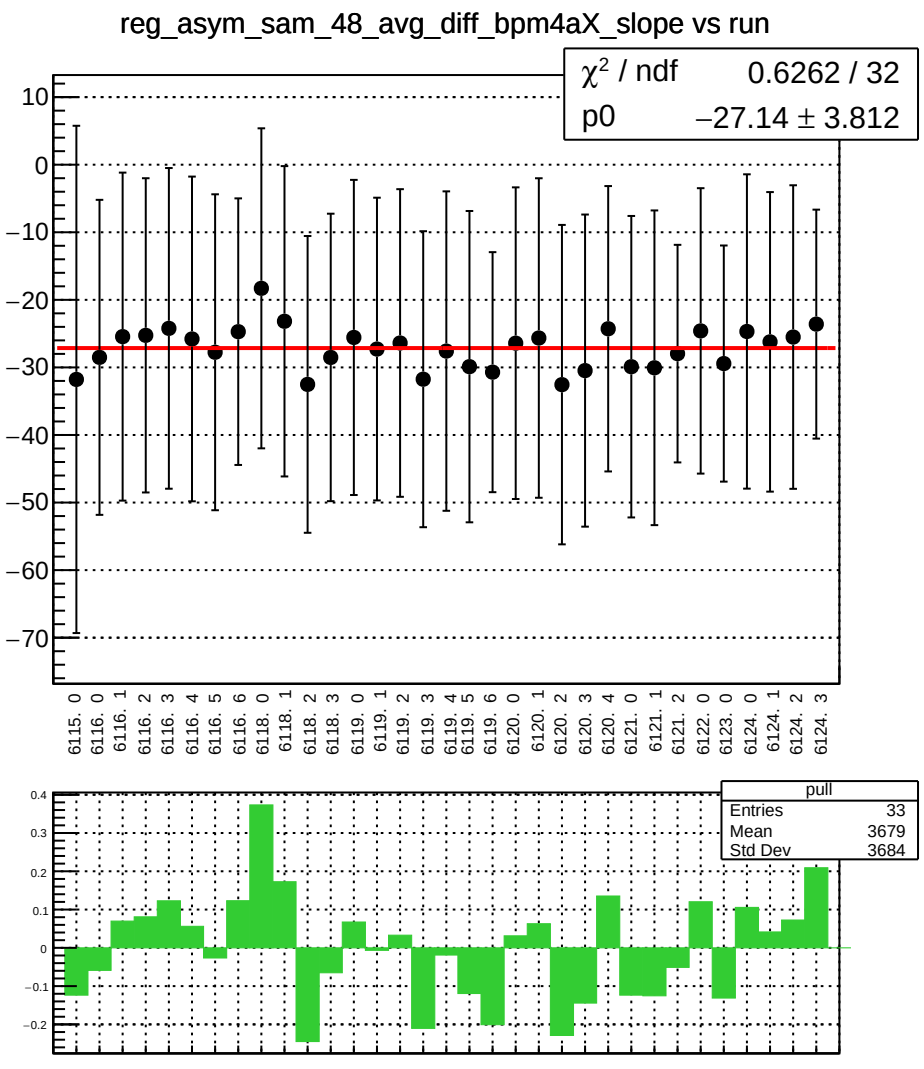

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.777 / 32
p0 −34.44 ± 3.661
0
−10
−20
−30
−40
−50
−60
−70
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 45.95
Std Dev 27.73
1.5
1
0.5
0
−0.5
pull1D
Entries 33
Mean −0.02615
Std Dev 0.2889
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

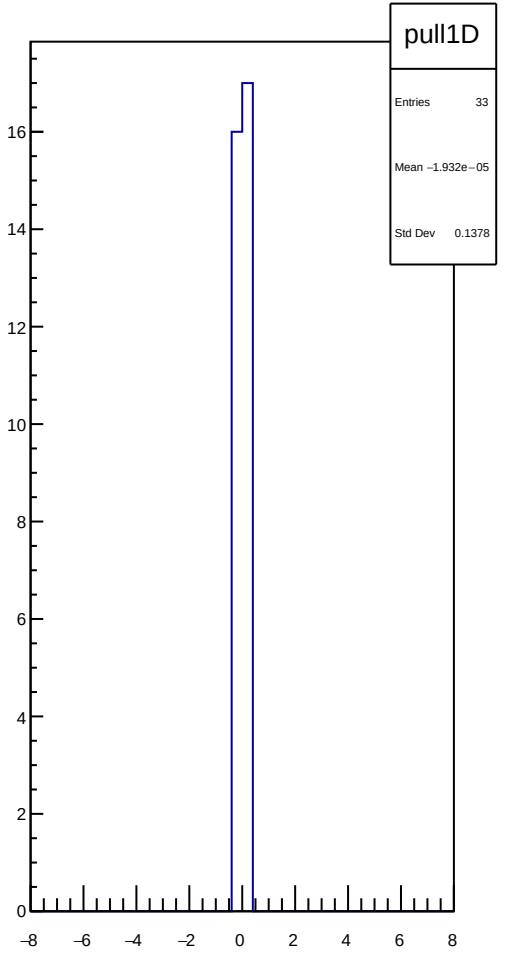

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.3736 / 32
p0 −59.04 ± 6.833
0
−20
−40
−60
−80
−100
−120
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 2710
Std Dev 2692
0.2
0.1
0
−0.1
−0.2

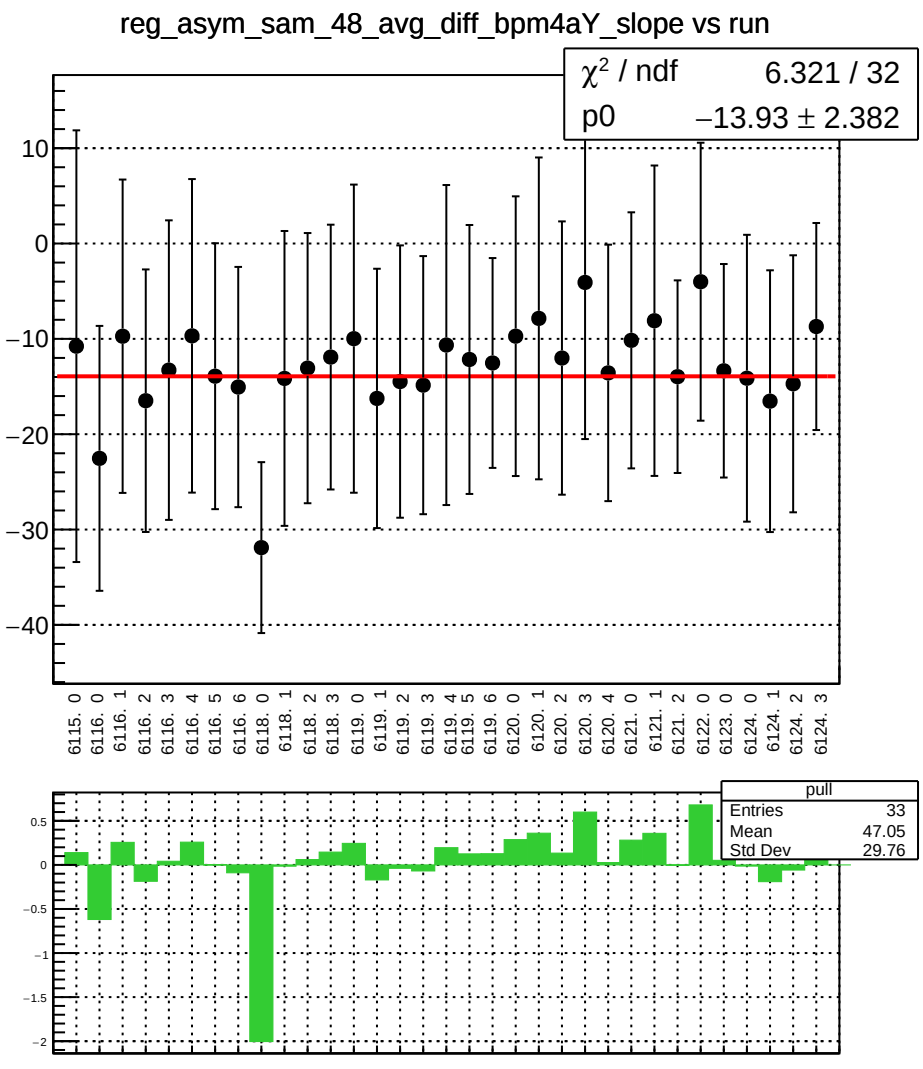

pull1D
Entries 33
Mean 3.218e−05
Std Dev 0.1064
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

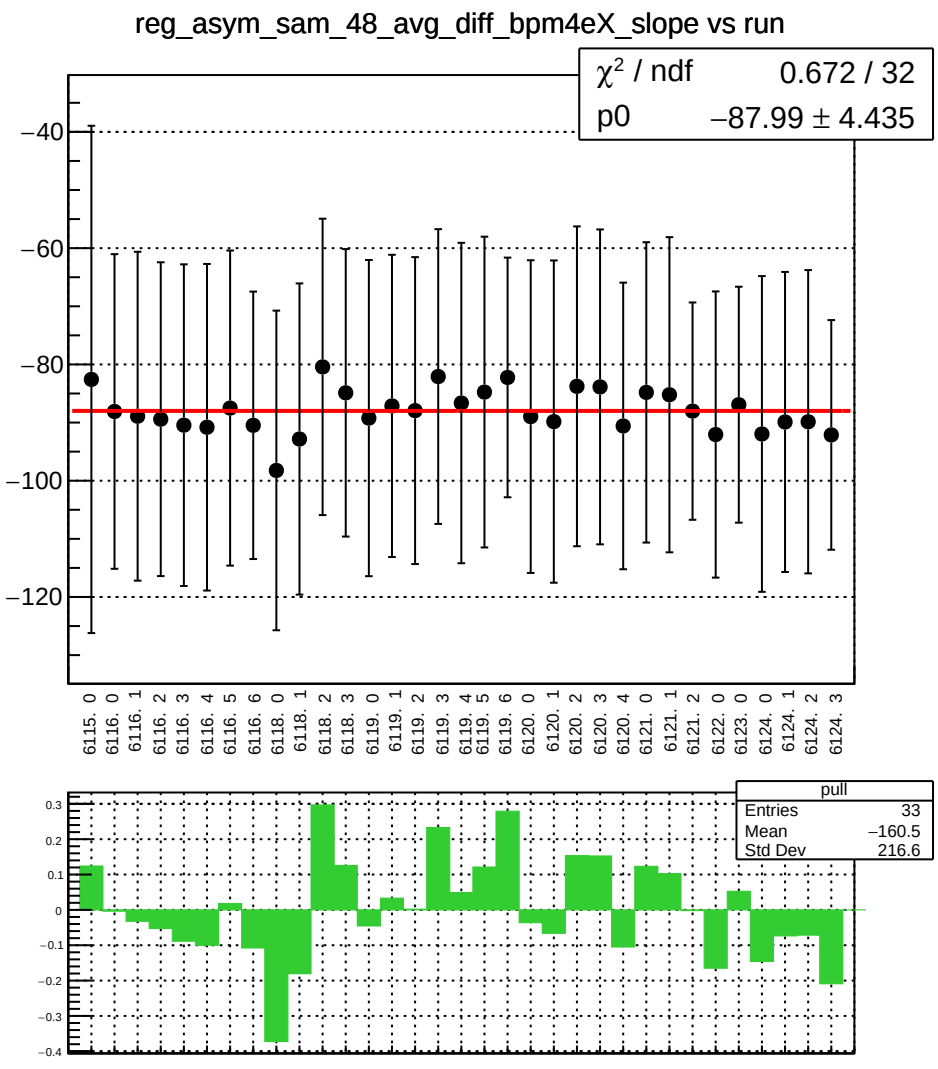

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.045 / 32
p0 −117.9 ± 3.915
−80
−90
−100
−110
−120
−130
−140
−150
−160
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 51.27
Std Dev 34.47
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
pull1D
Entries 33
Mean 0.01715
Std Dev 0.2483
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

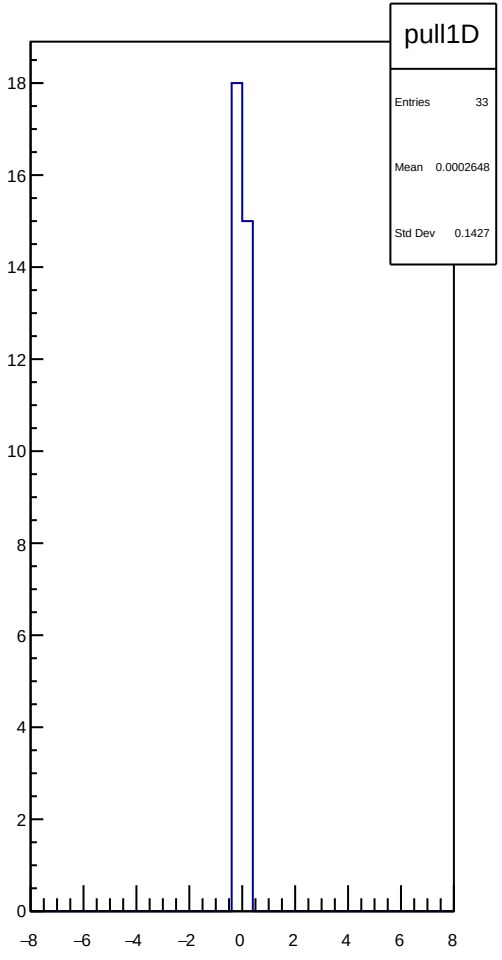

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 0.4893 / 32
p0 −0.9041± 0.2994
pull
Entries 33
Mean −1.221
Std Dev 43.73
pull1D
Entries 33
Mean 0.003069
Std Dev 0.1217

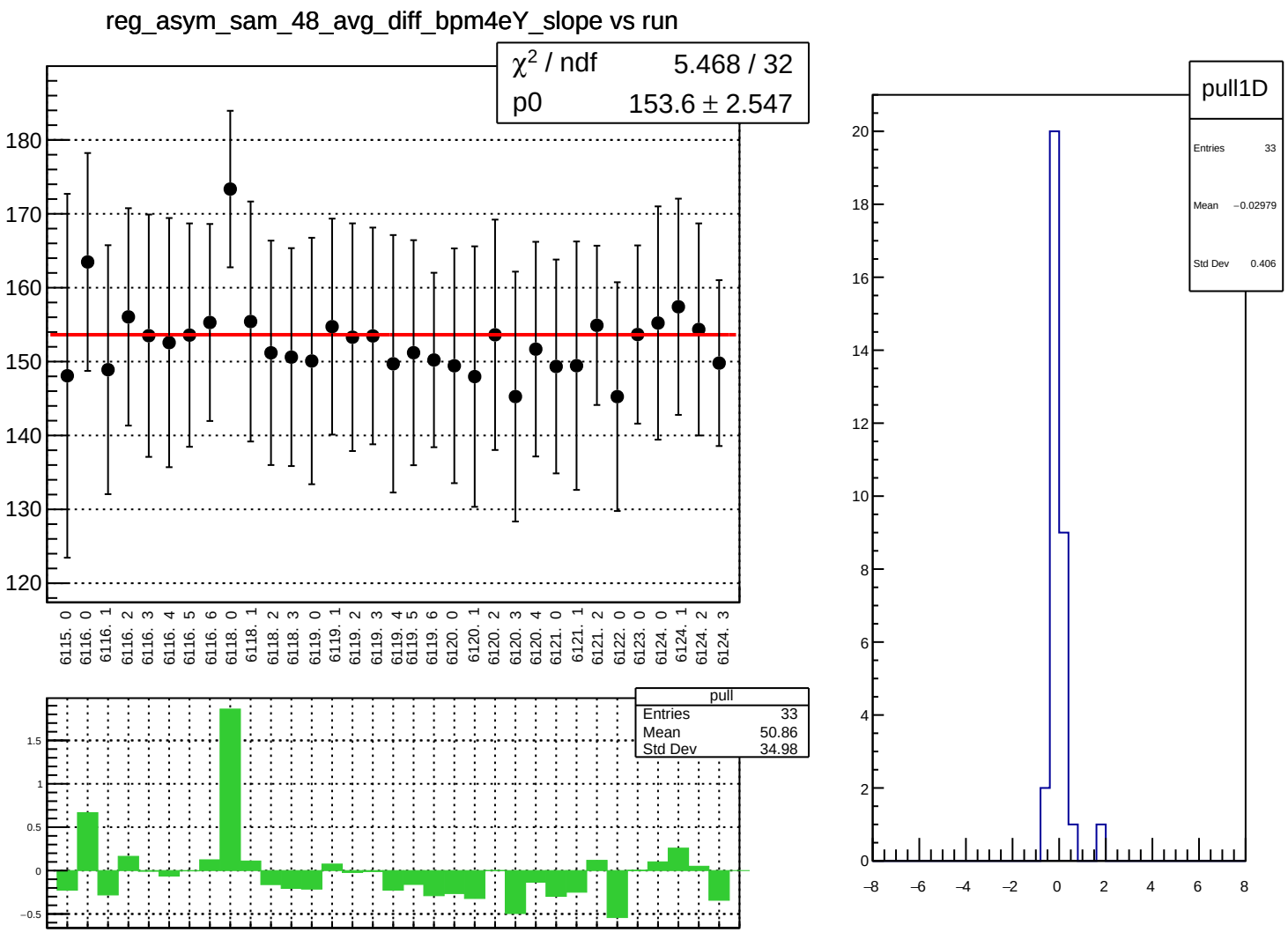

reg_asym_sam_48_avg_diff_bpm4aX_slope vs run
χ² / ndf 0.6262 / 32
p0 −27.14 ± 3.812
10
0
−10
−20
−30
−40
−50
−60
−70
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 3679
Std Dev 3684
0.4
0.3
0.2
0.1
0
−0.1
−0.2

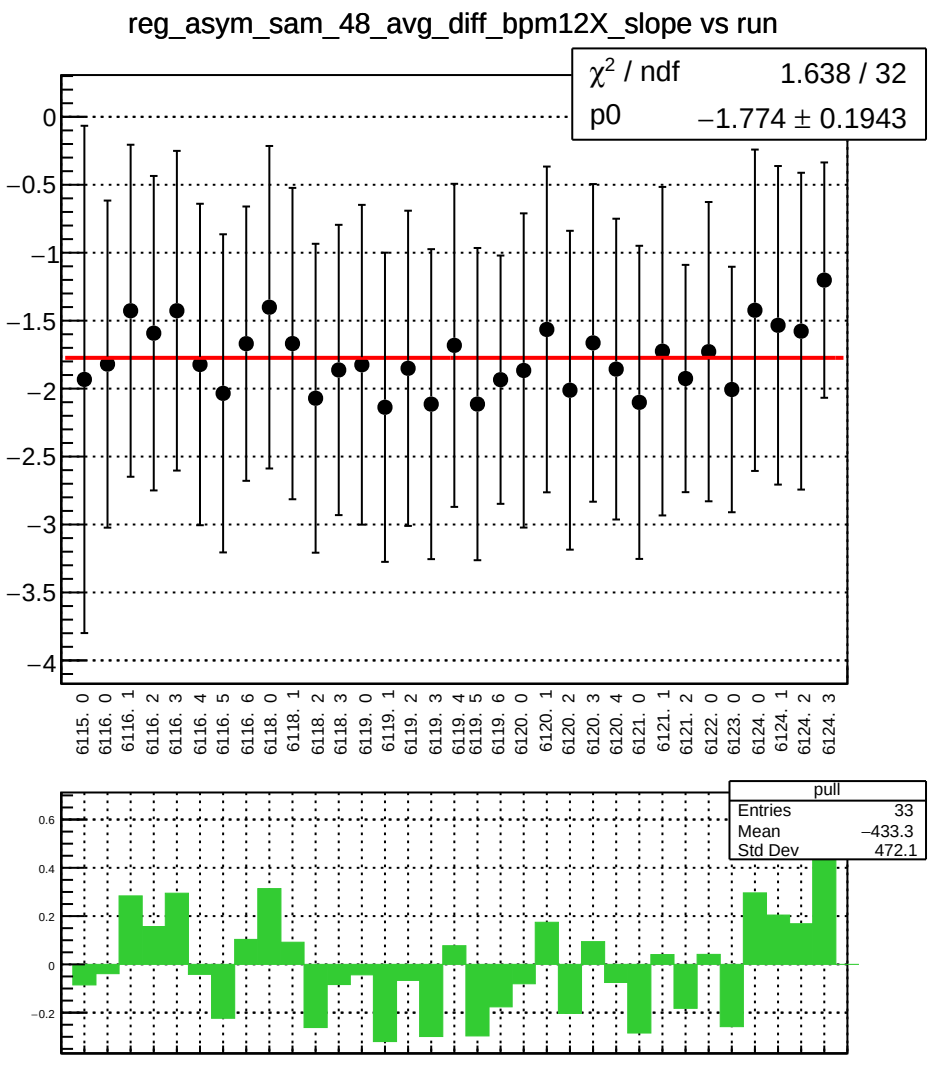

pull1D
Entries 33
Mean −1.932e−05
Std Dev 0.1378
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

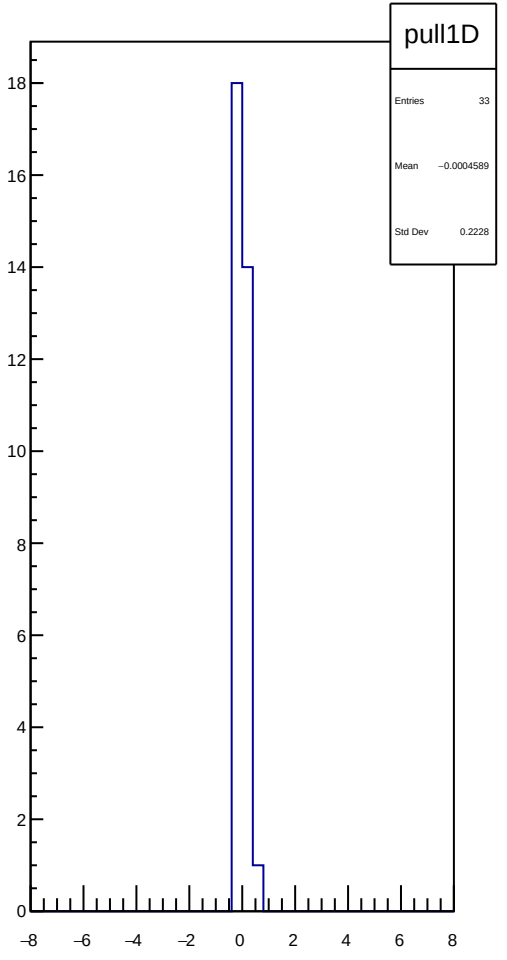

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.321 / 32
p0 −13.93 ± 2.382
10
0
−10
−20
−30
−40
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 47.05
Std Dev 29.76
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.04239
Std Dev 0.4356
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

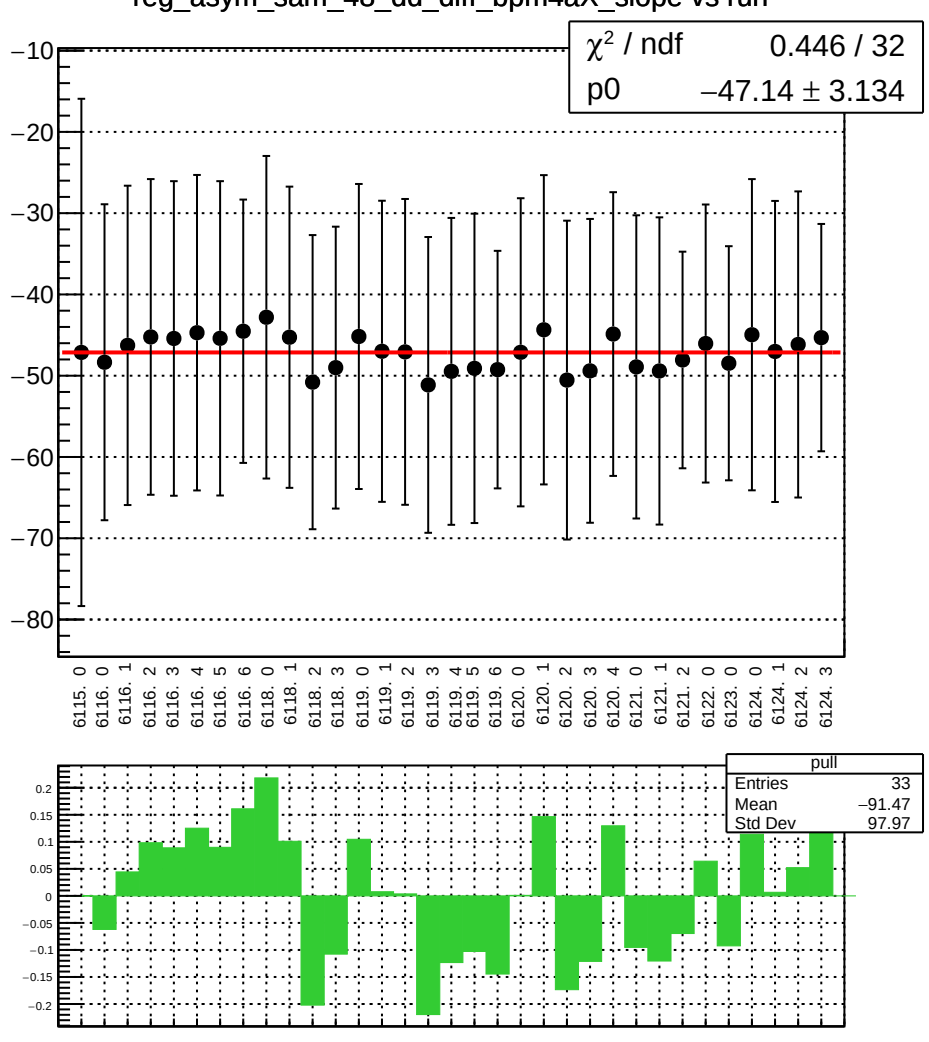

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 0.672 / 32
p0 −87.99 ± 4.435
−40
−60
−80
−100
−120
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −160.5
Std Dev 216.6
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4

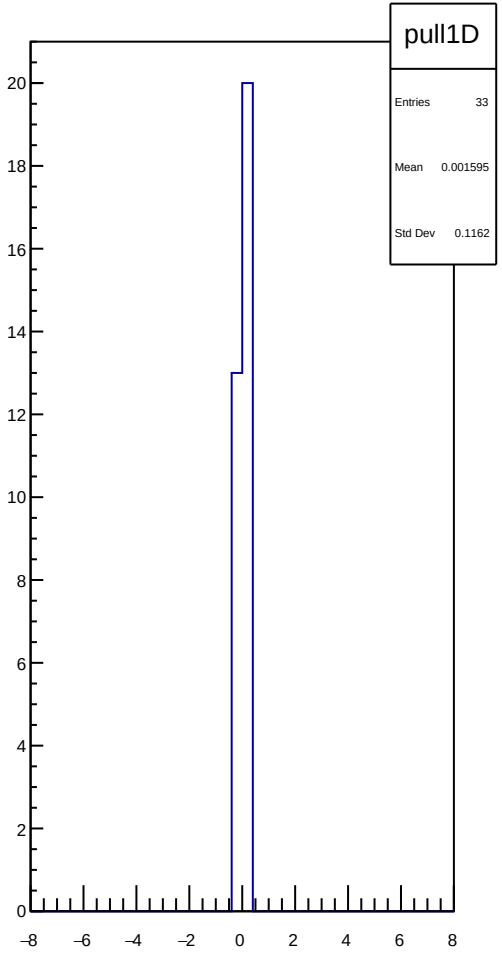

pull1D
Entries 33
Mean 0.0002648
Std Dev 0.1427
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

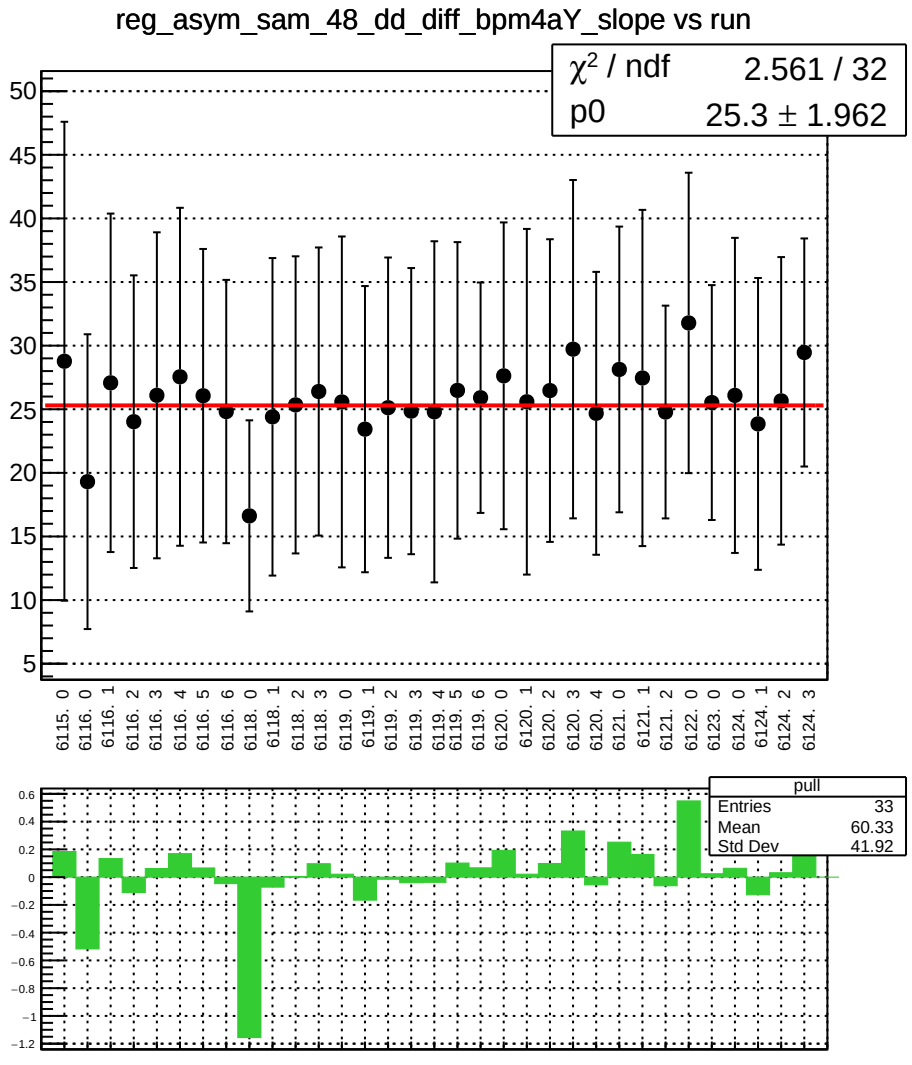

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.468 / 32
p0 153.6 ± 2.547
180
170
160
150
140
130
120
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 50.86
Std Dev 34.98
1.5
1
0.5
0
−0.5
pull1D
Entries 33
Mean −0.02979
Std Dev 0.406
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

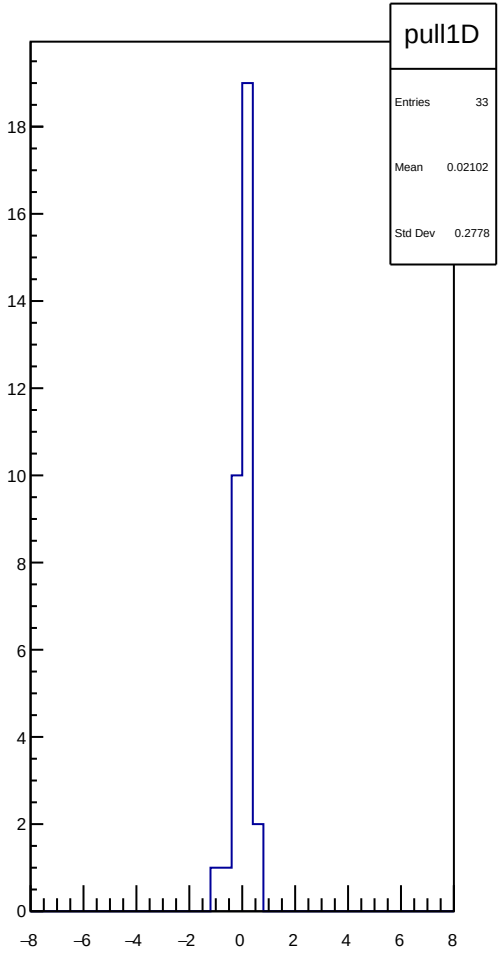

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 1.638 / 32
p0 −1.774 ± 0.1943
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
−4
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −433.3
Std Dev 472.1
0.6
0.4
0.2
0
−0.2

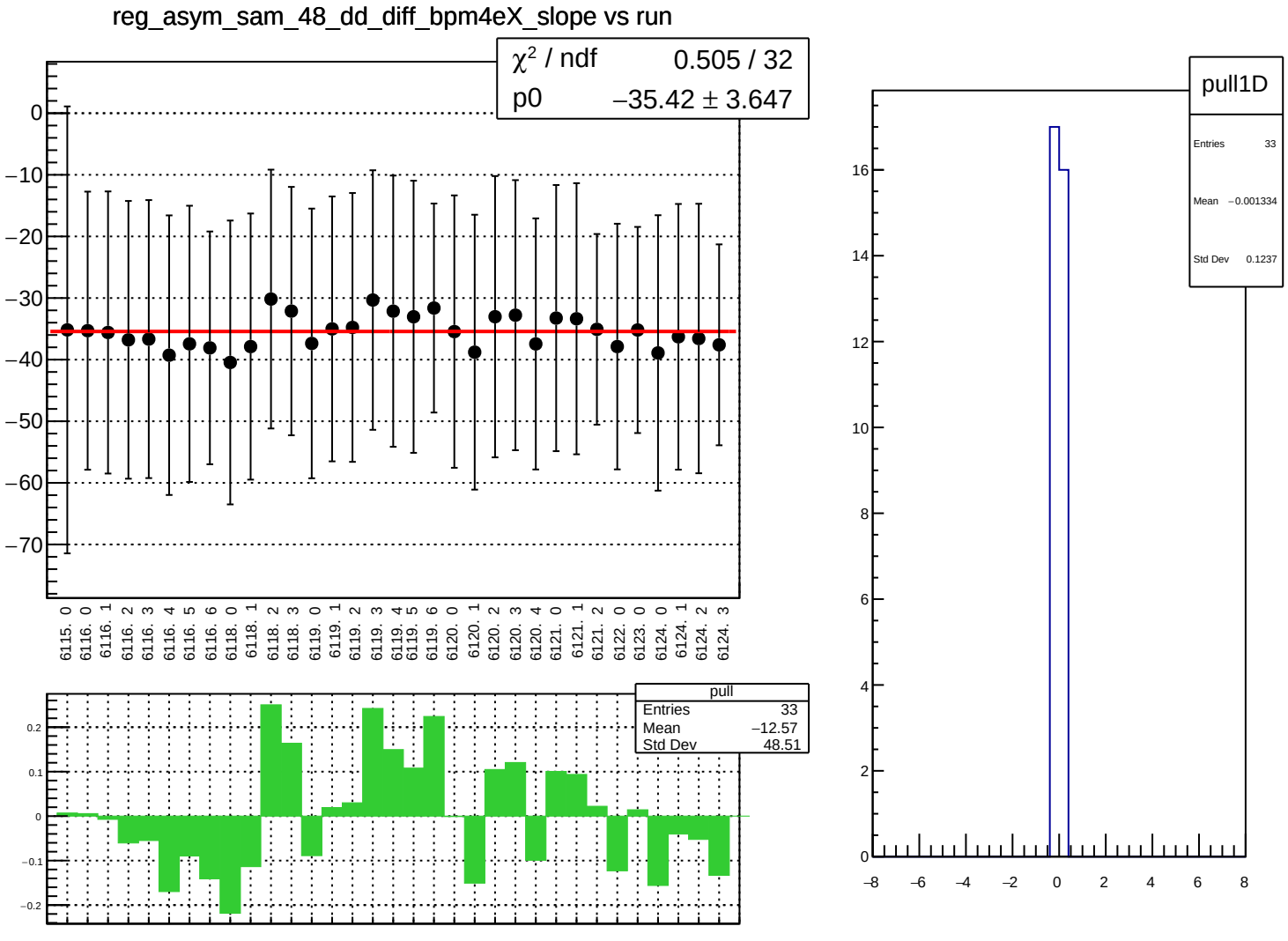

pull1D
Entries 33
Mean −0.0004589
Std Dev 0.2228
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

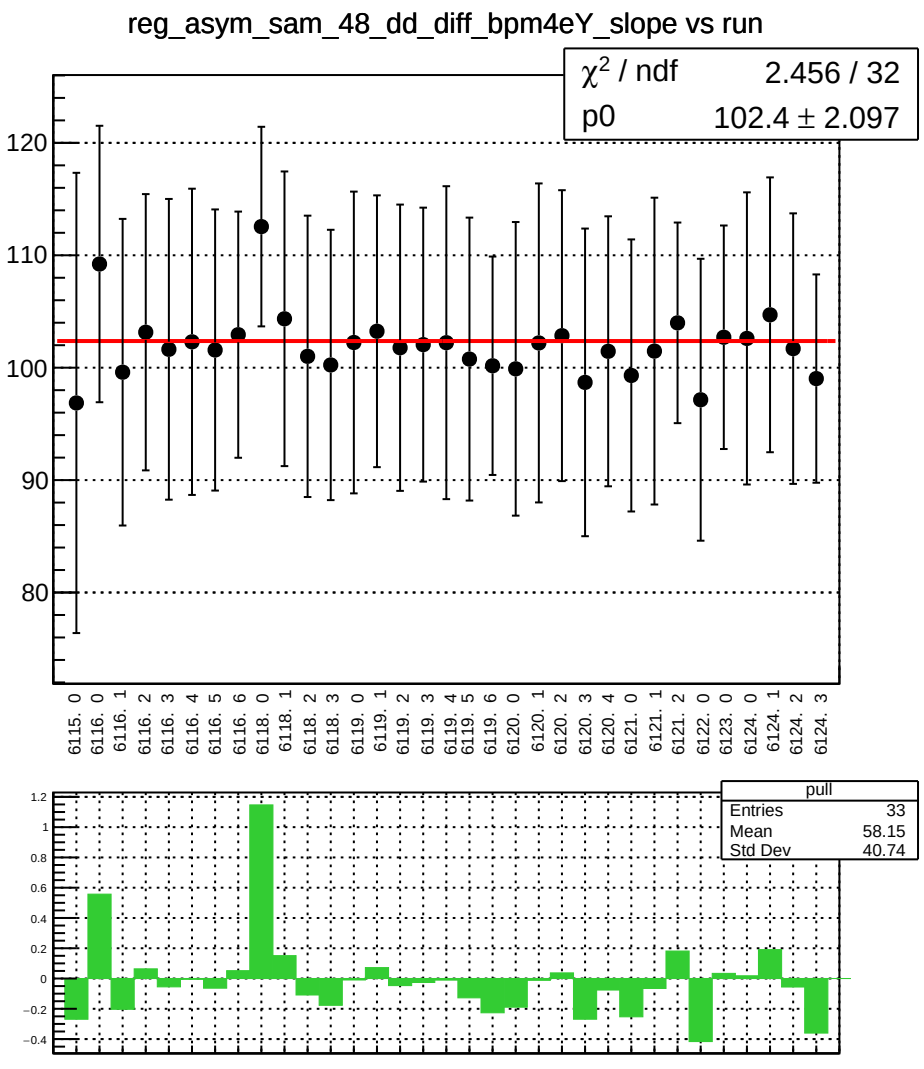

reg_asym_sam_48_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.446 / 32
p0 −47.14 ± 3.134
pull
Entries 33
Mean −91.47
Std Dev 97.97

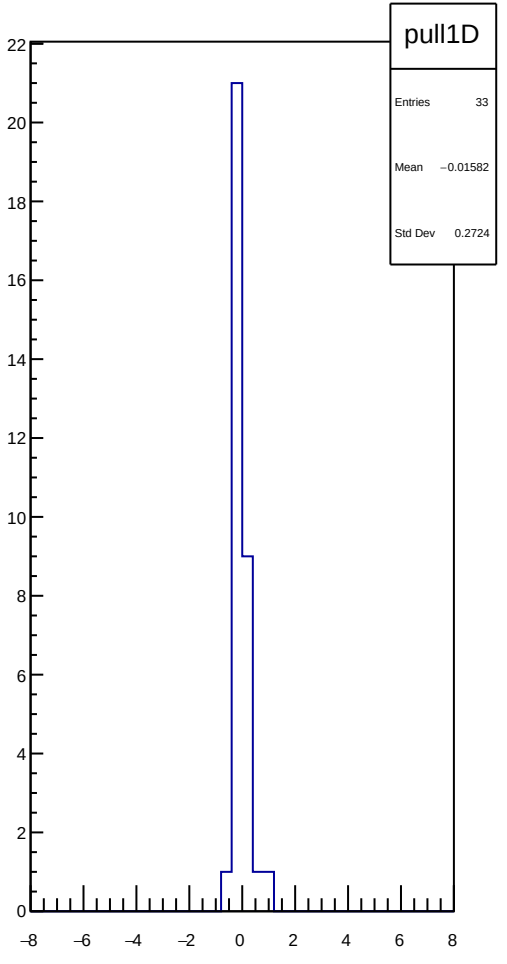

pull1D
Entries 33
Mean 0.001595
Std Dev 0.1162

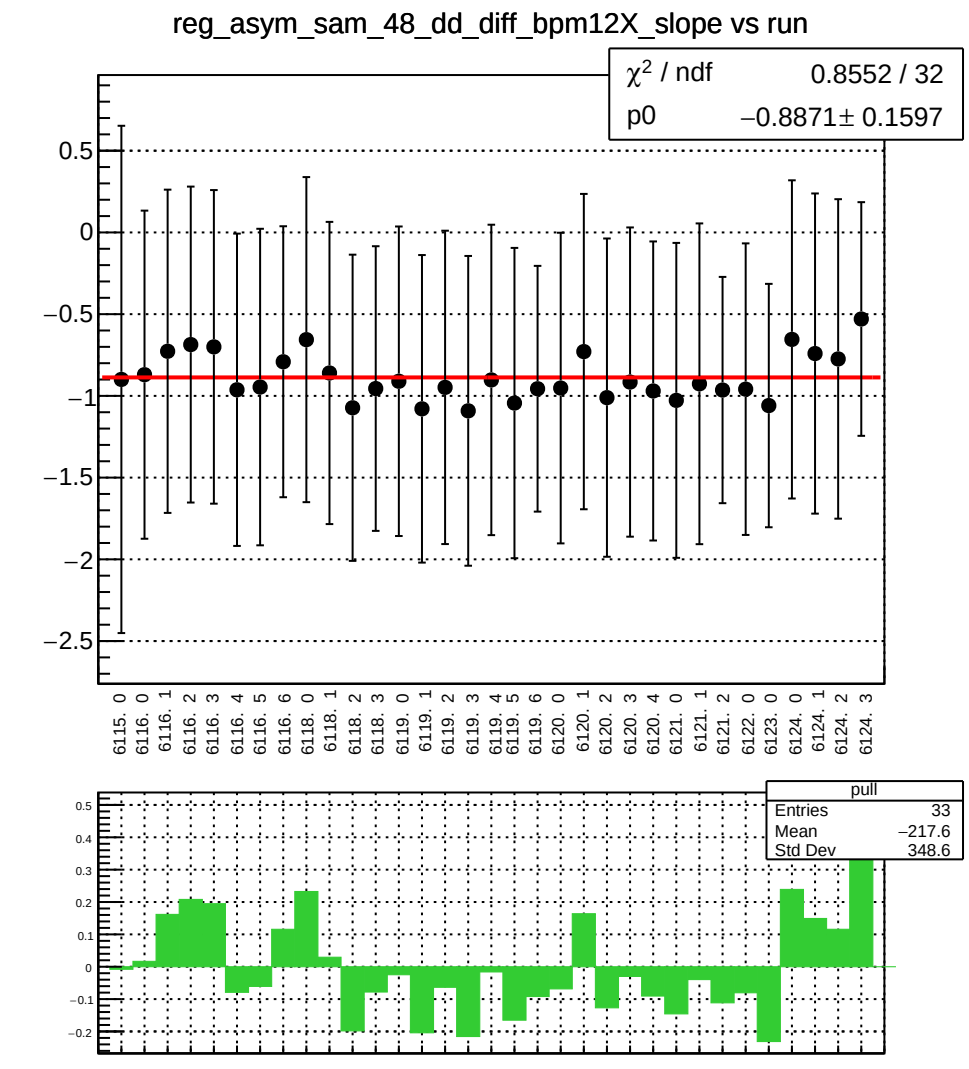

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.561 / 32
p0 25.3 ± 1.962
pull
Entries 33
Mean 60.33
Std Dev 41.92

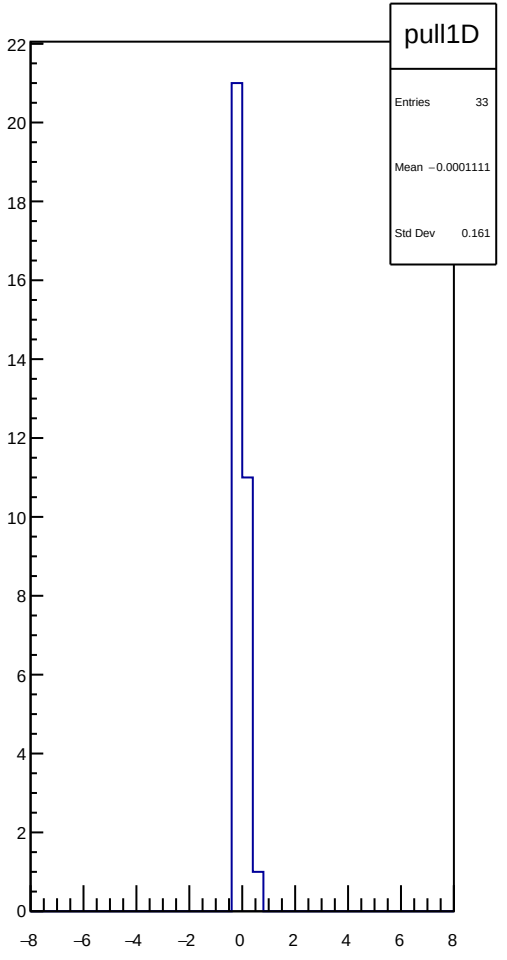

pull1D
Entries 33
Mean 0.02102
Std Dev 0.2778

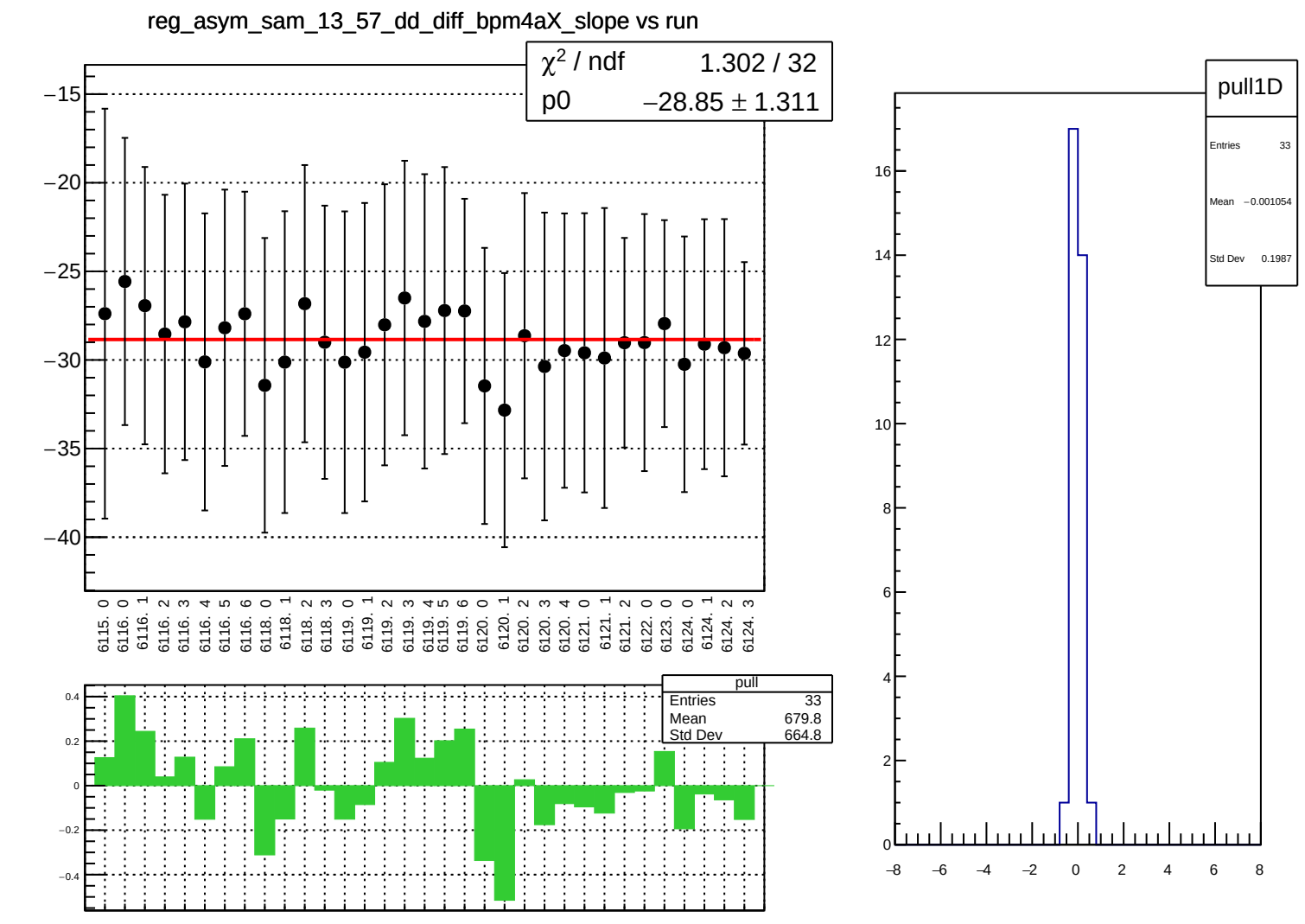

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.505 / 32
p0 −35.42 ± 3.647
0
−10
−20
−30
−40
−50
−60
−70
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −12.57
Std Dev 48.51
0.2
0.1
0
−0.1
−0.2
pull1D
Entries 33
Mean −0.001334
Std Dev 0.1237
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

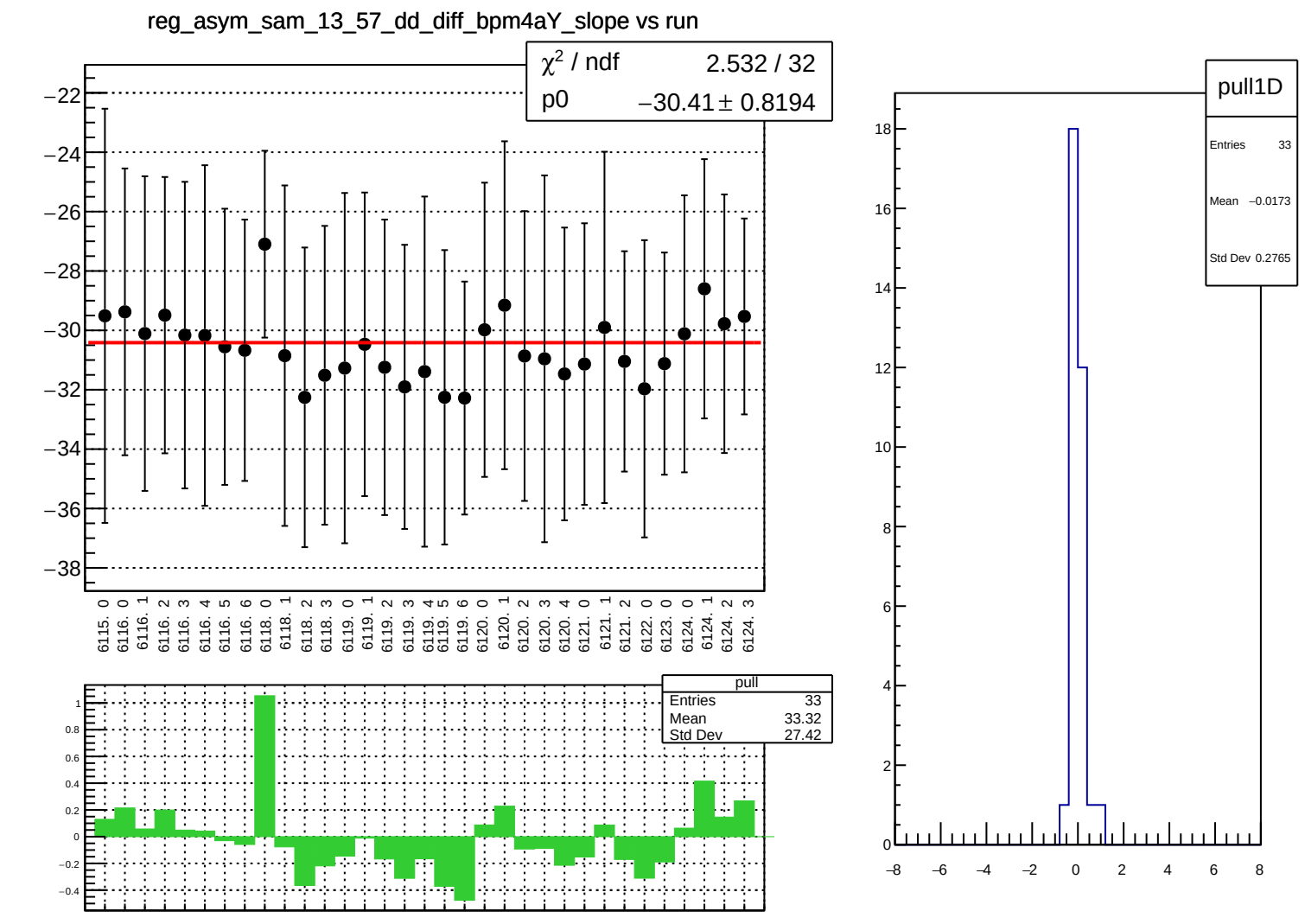

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.456 / 32
p0 102.4 ± 2.097
120
110
100
90
80
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 58.15
Std Dev 40.74
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4

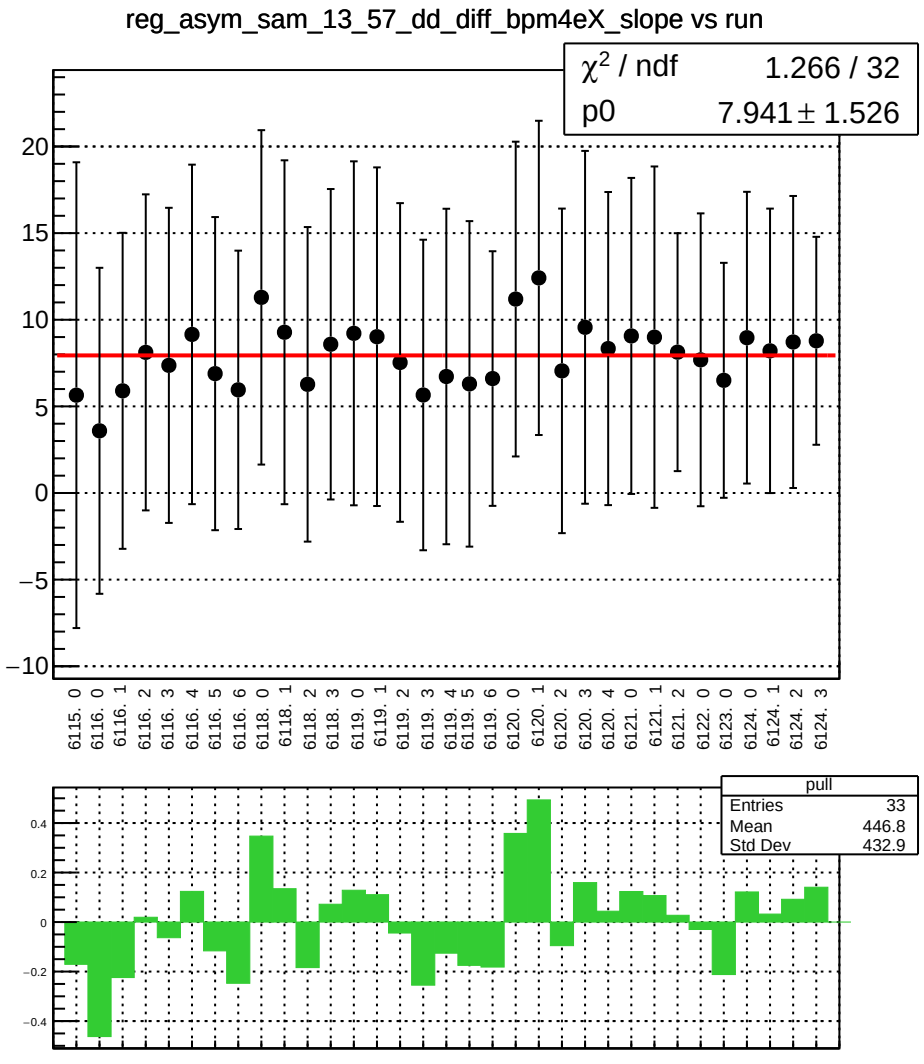

pull1D
Entries 33
Mean −0.01582
Std Dev 0.2724
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

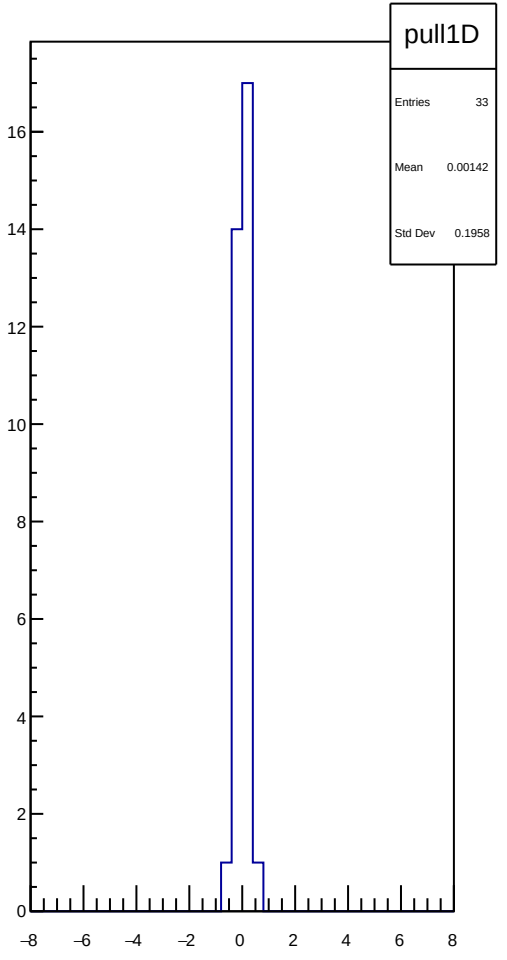

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 0.8552 / 32
p0 −0.8871± 0.1597
0.5
0
−0.5
−1
−1.5
−2
−2.5
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −217.6
Std Dev 348.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2

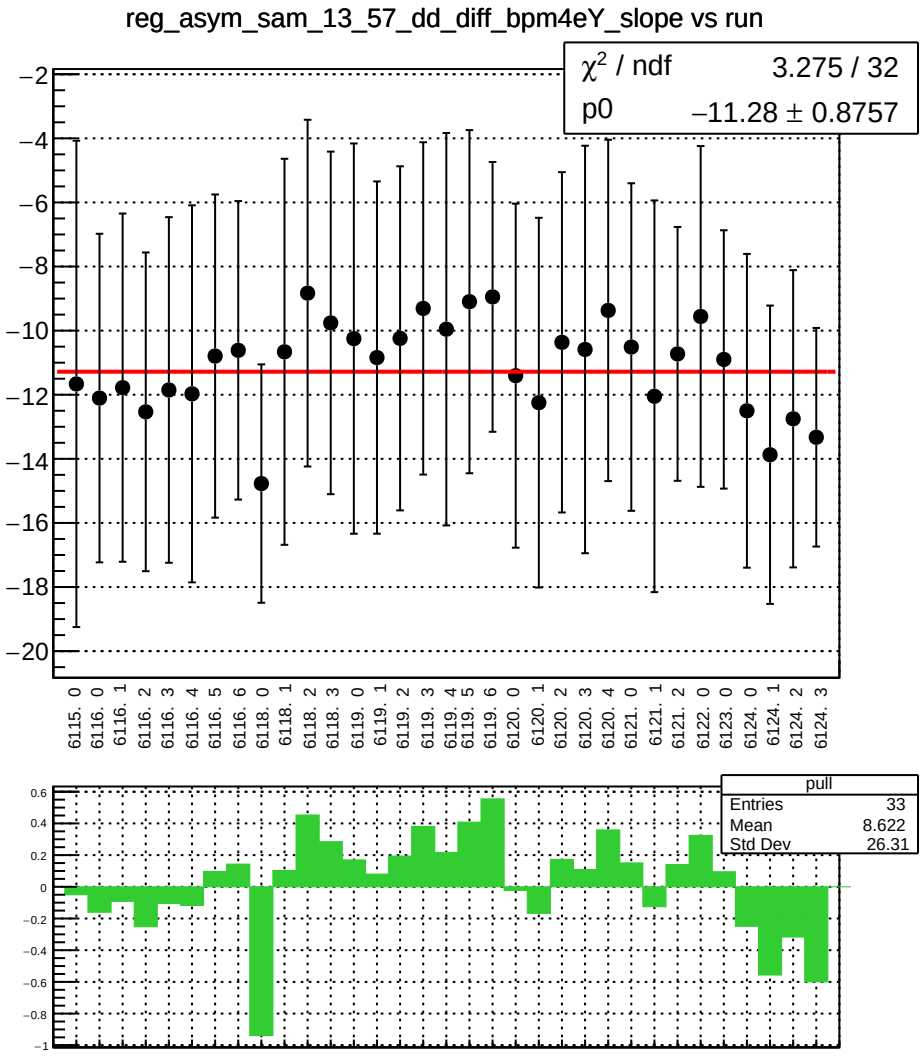

pull1D
Entries 33
Mean −0.0001111
Std Dev 0.161
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

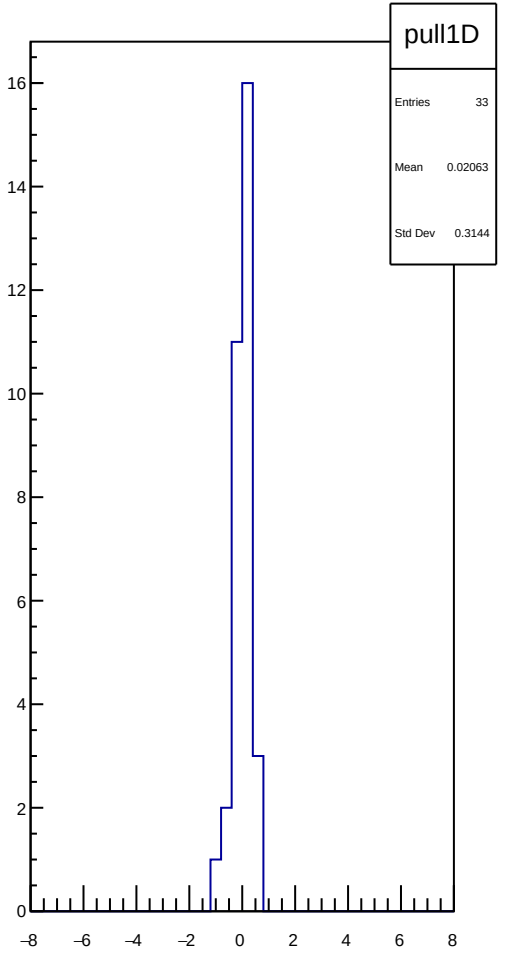

reg_asym_sam_13_57_dd_diff_bpm4aX_slope vs run
χ² / ndf 1.302 / 32
p0 −28.85 ± 1.311
−15
−20
−25
−30
−35
−40
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 679.8
Std Dev 664.8
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 33
Mean −0.001054
Std Dev 0.1987
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

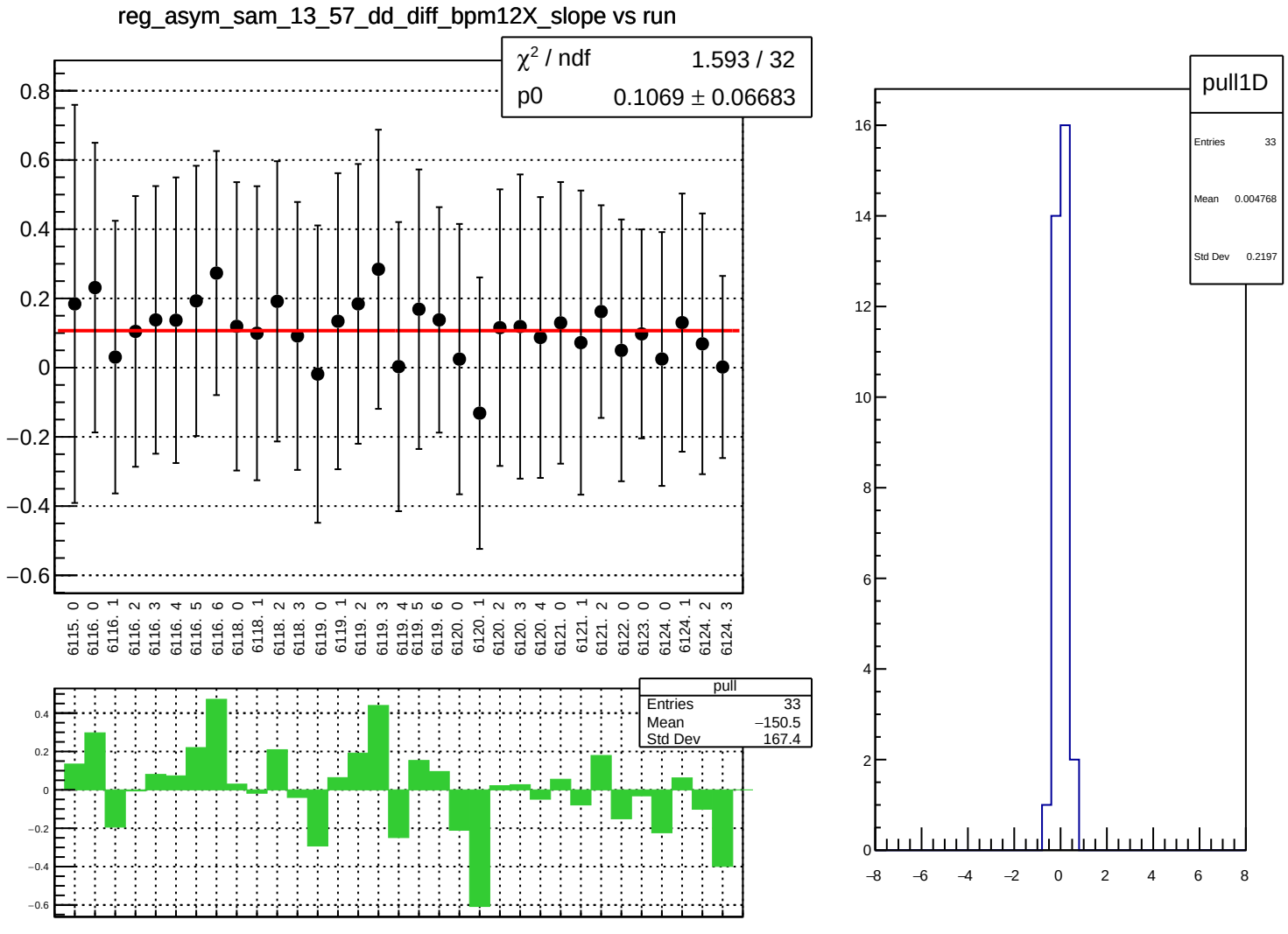

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.532 / 32
p0 −30.41 ± 0.8194
−22
−24
−26
−28
−30
−32
−34
−36
−38
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 33.32
Std Dev 27.42
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 33
Mean −0.0173
Std Dev 0.2765
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

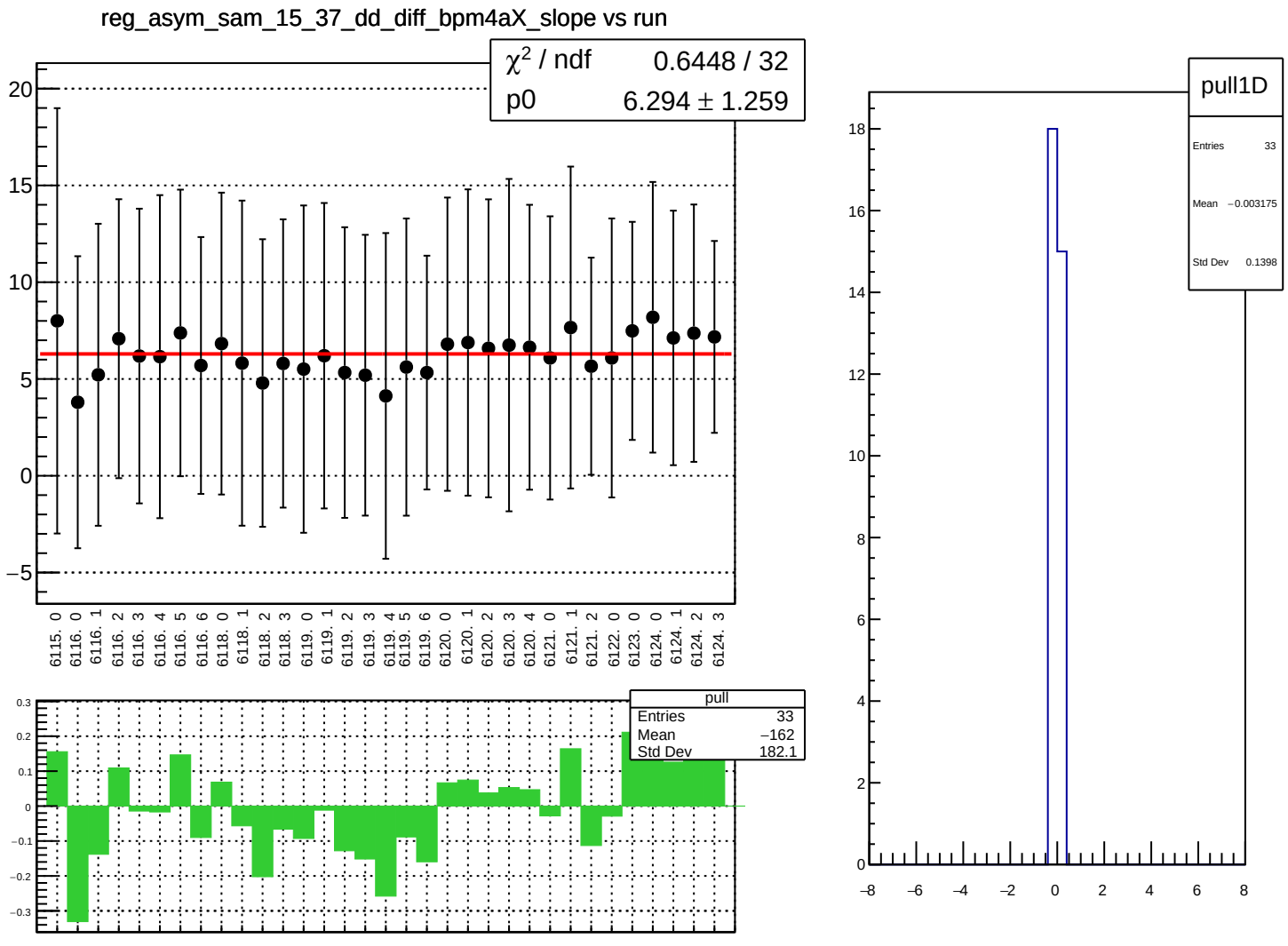

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.266 / 32
p0 7.941 ± 1.526
pull
Entries 33
Mean 446.8
Std Dev 432.9
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3

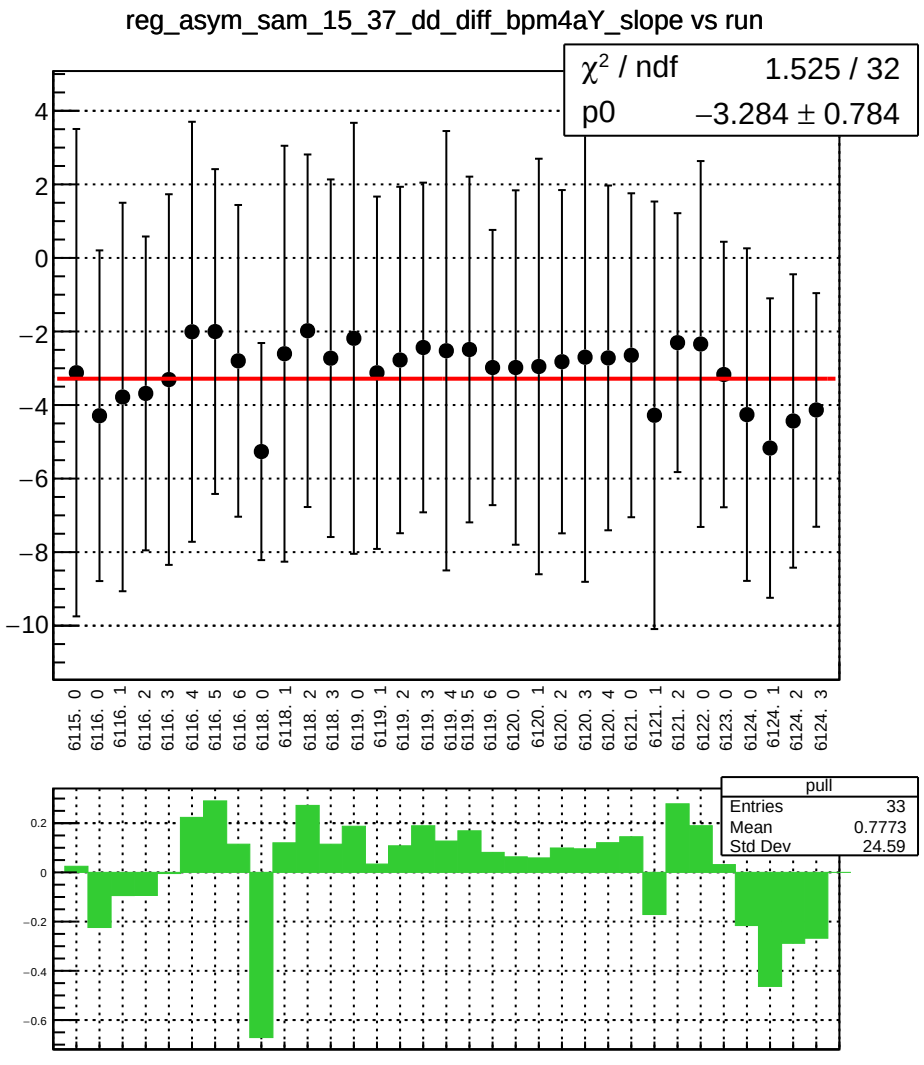

pull1D
Entries 33
Mean 0.00142
Std Dev 0.1958

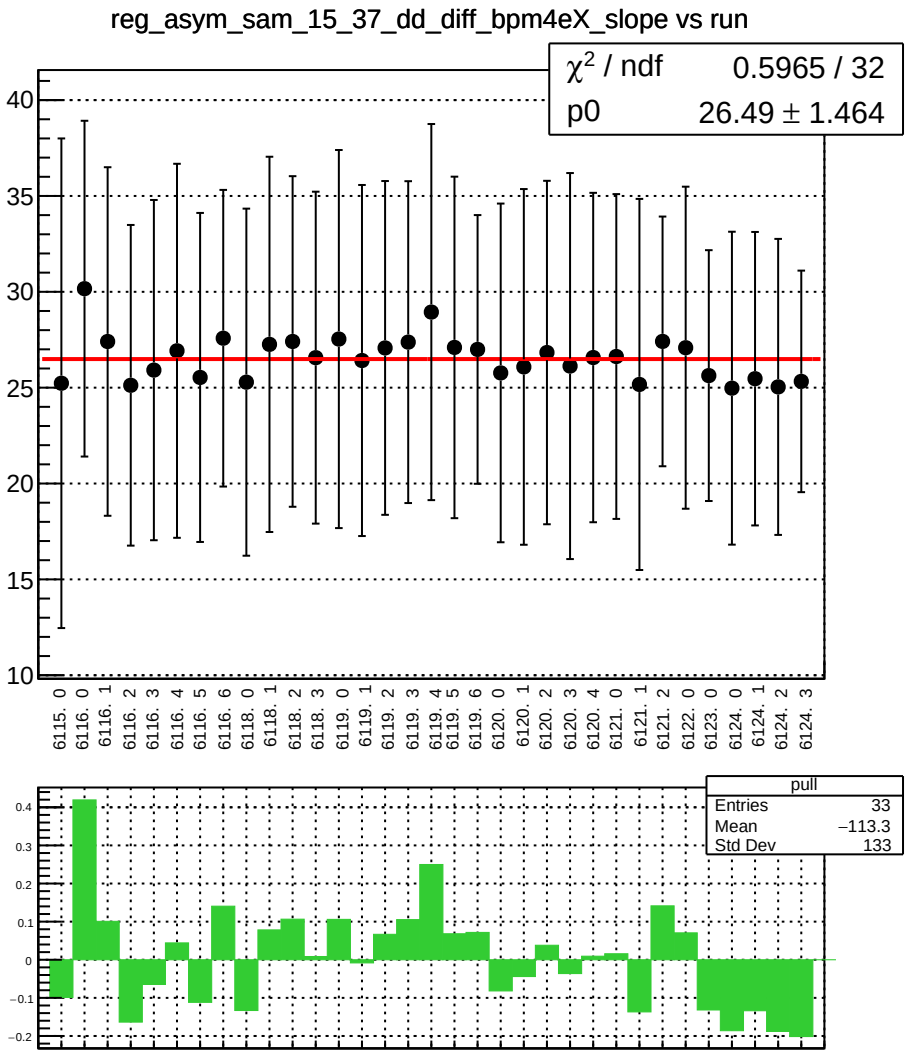

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.275 / 32
p0 −11.28 ± 0.8757
−2
−4
−6
−8
−10
−12
−14
−16
−18
−20
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 8.622
Std Dev 26.31
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

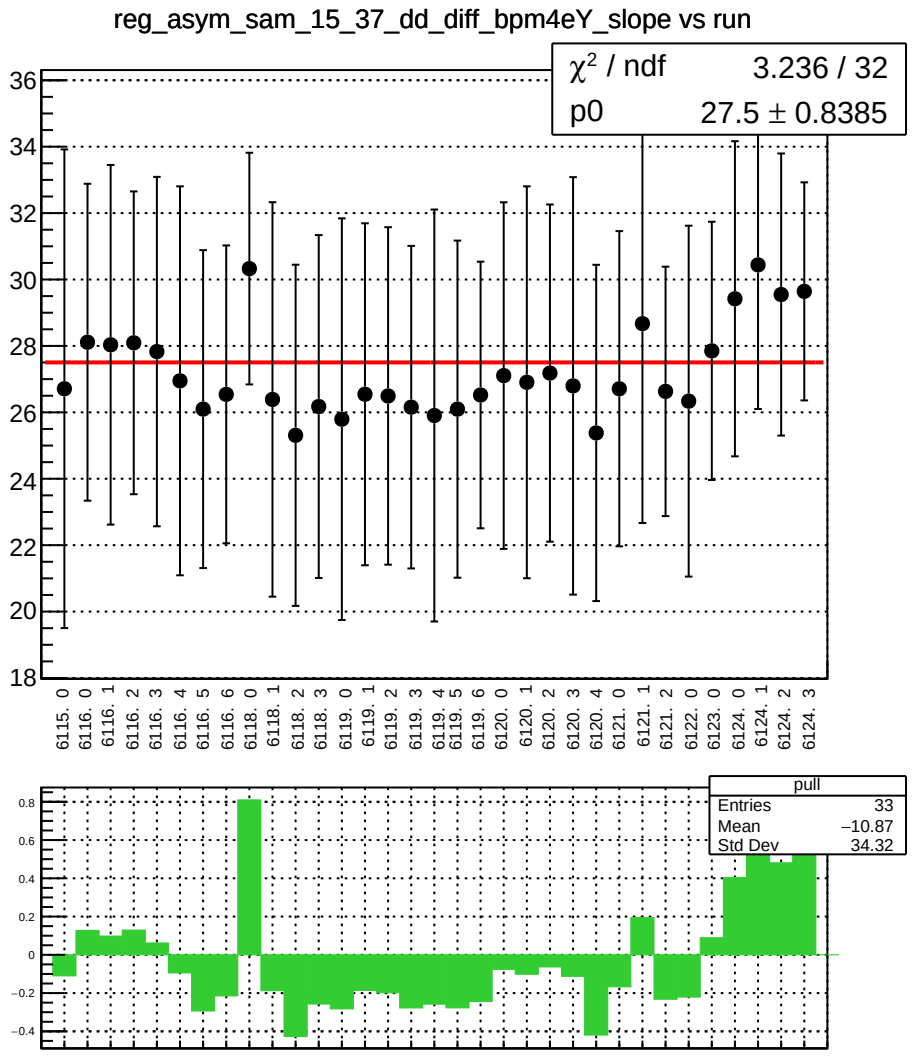

pull1D
Entries 33
Mean 0.02063
Std Dev 0.3144
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

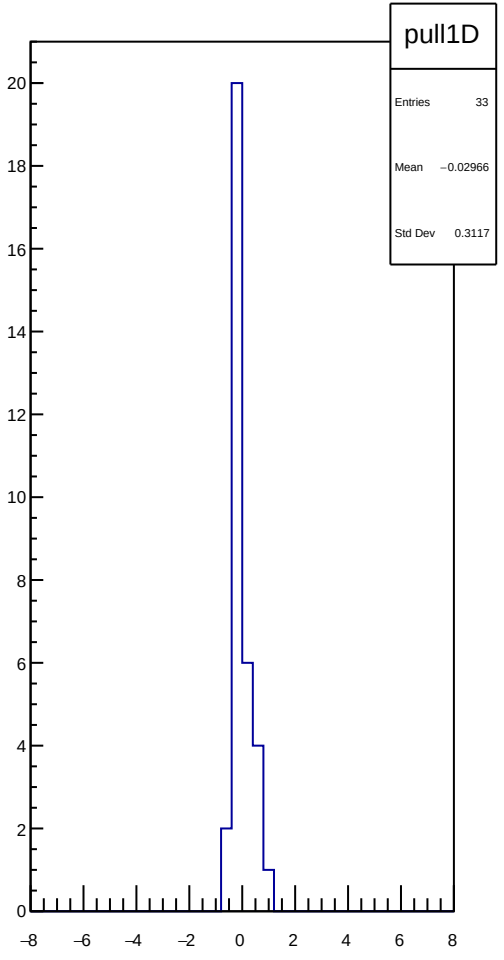

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 1.593 / 32
p0 0.1069 ± 0.06683
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −150.5
Std Dev 167.4
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 33
Mean 0.004768
Std Dev 0.2197
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

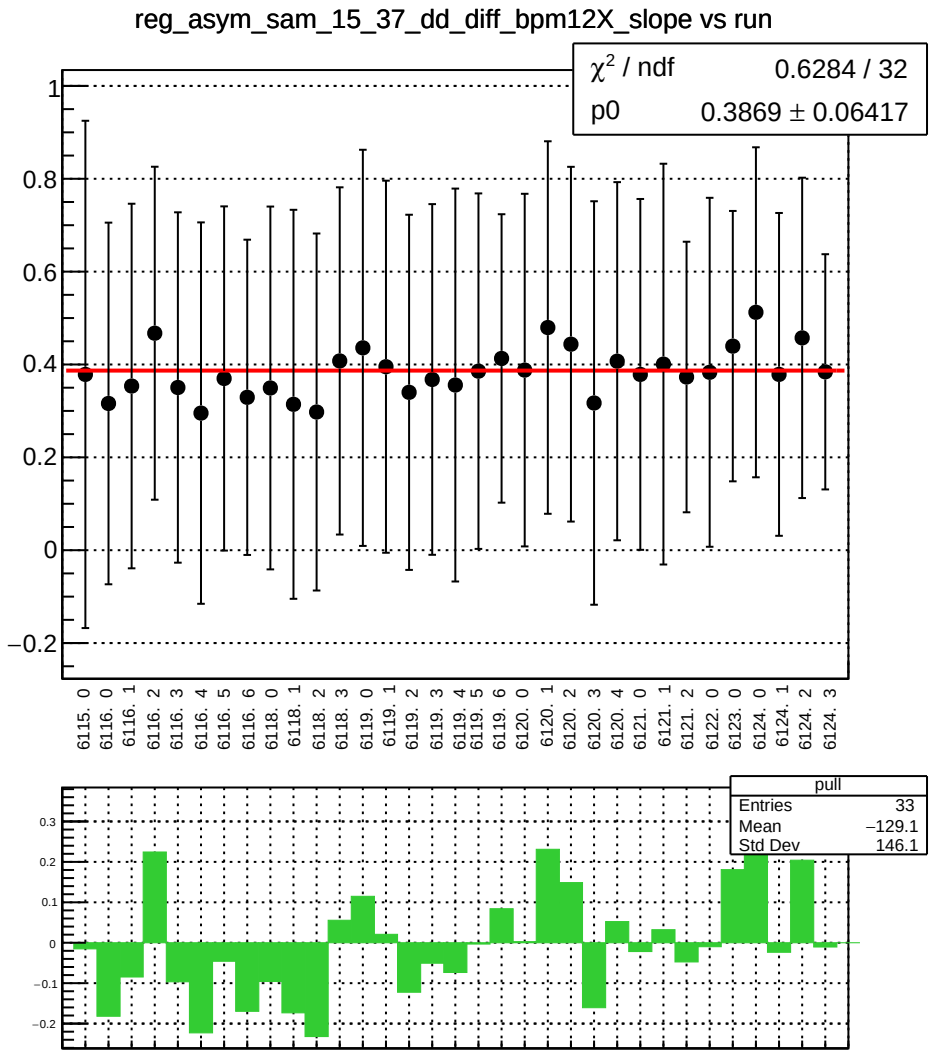

reg_asym_sam_15_37_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.6448 / 32
p0 6.294 ± 1.259
pull
Entries 33
Mean −162
Std Dev 182.1
pull1D
Entries 33
Mean −0.003175
Std Dev 0.1398

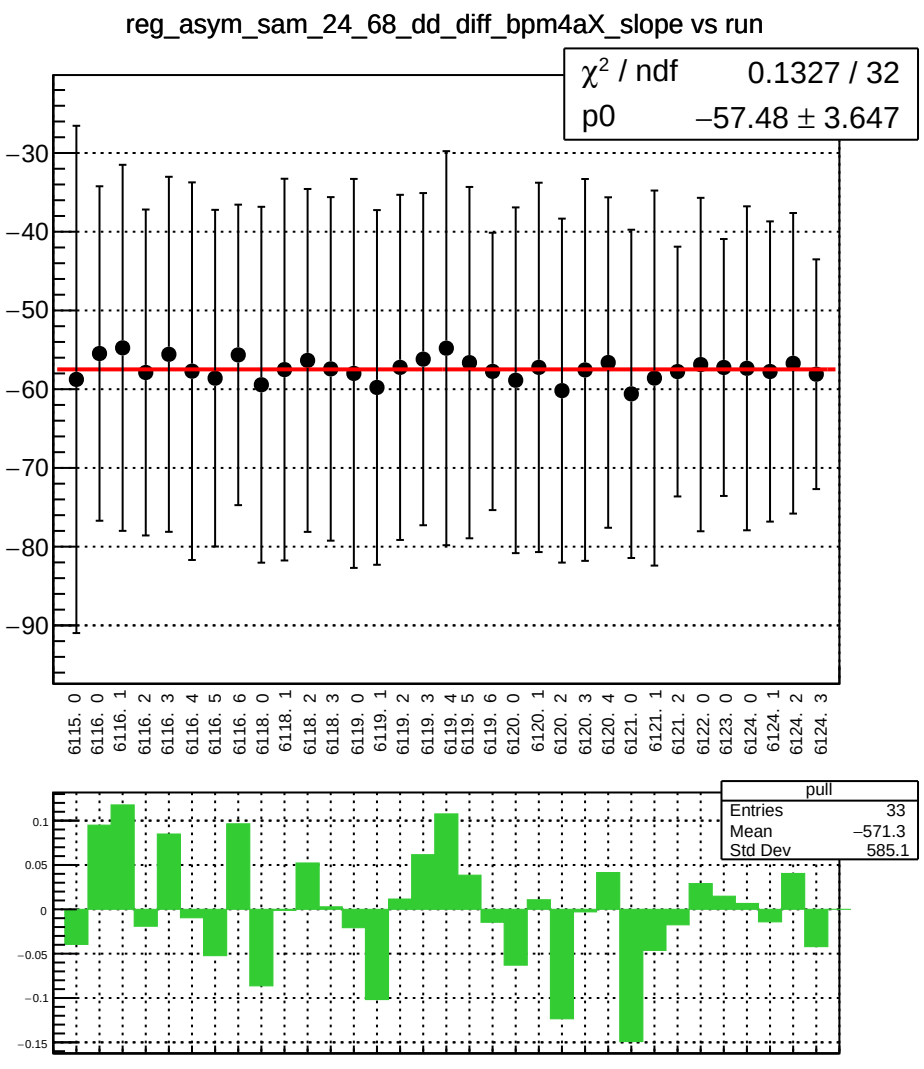

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.525 / 32
p0 −3.284 ± 0.784
4
2
0
−2
−4
−6
−8
−10
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 0.7773
Std Dev 24.59
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 33
Mean 0.01951
Std Dev 0.2141
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

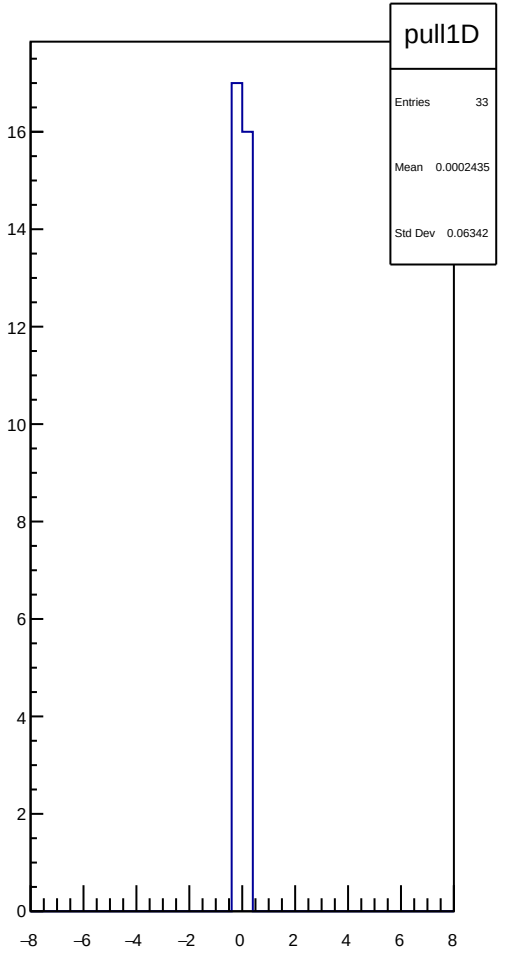

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.5965 / 32
p0 26.49 ± 1.464
40
35
30
25
20
15
10
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −113.3
Std Dev 133
0.4
0.3
0.2
0.1
0
−0.1
−0.2
pull1D
Entries 33
Mean 0.003655
Std Dev 0.1344
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

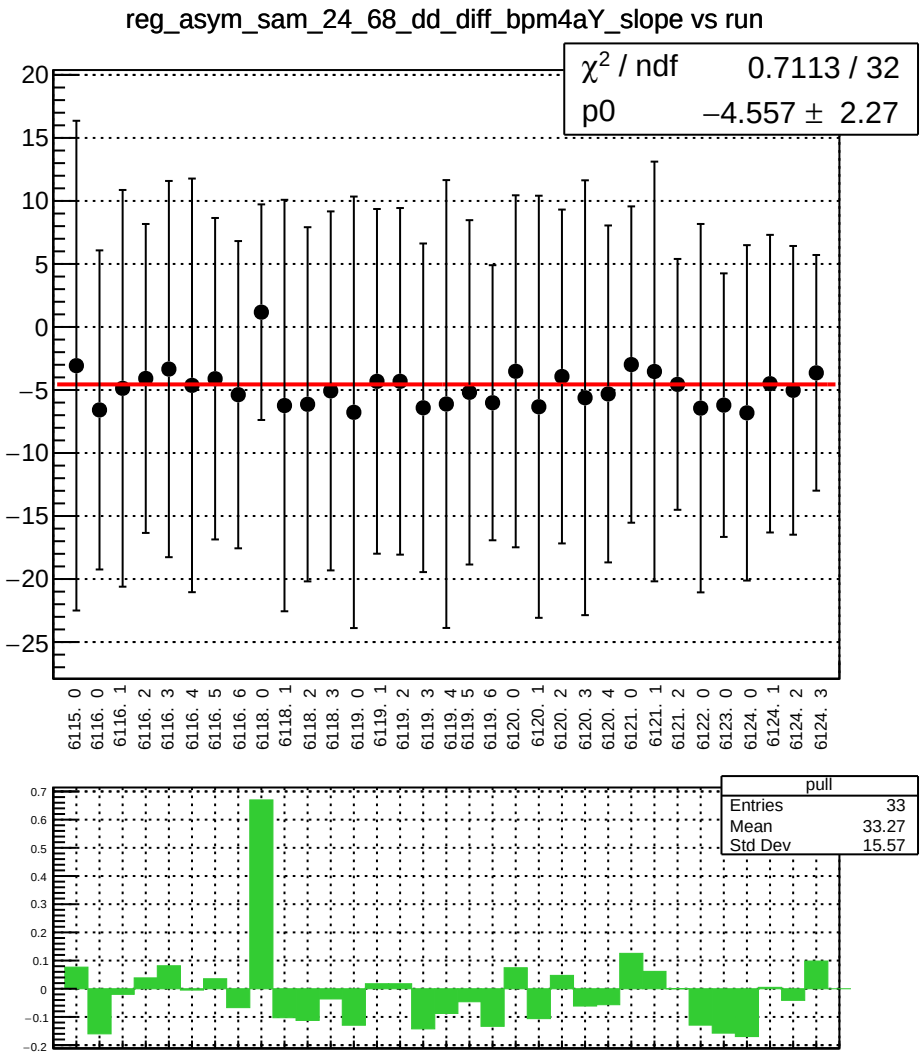

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.236 / 32
p0 27.5 ± 0.8385
pull
Entries 33
Mean −10.87
Std Dev 34.32

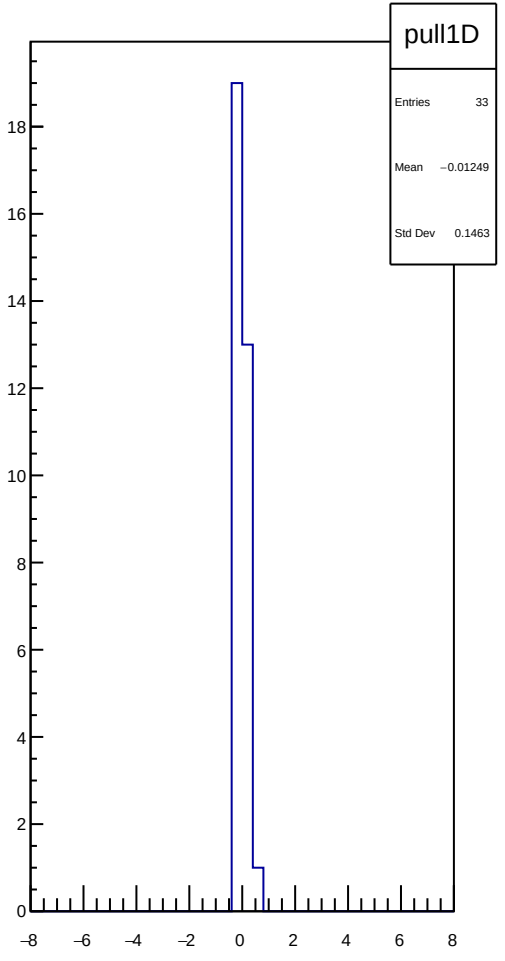

pull1D
Entries 33
Mean −0.02966
Std Dev 0.3117

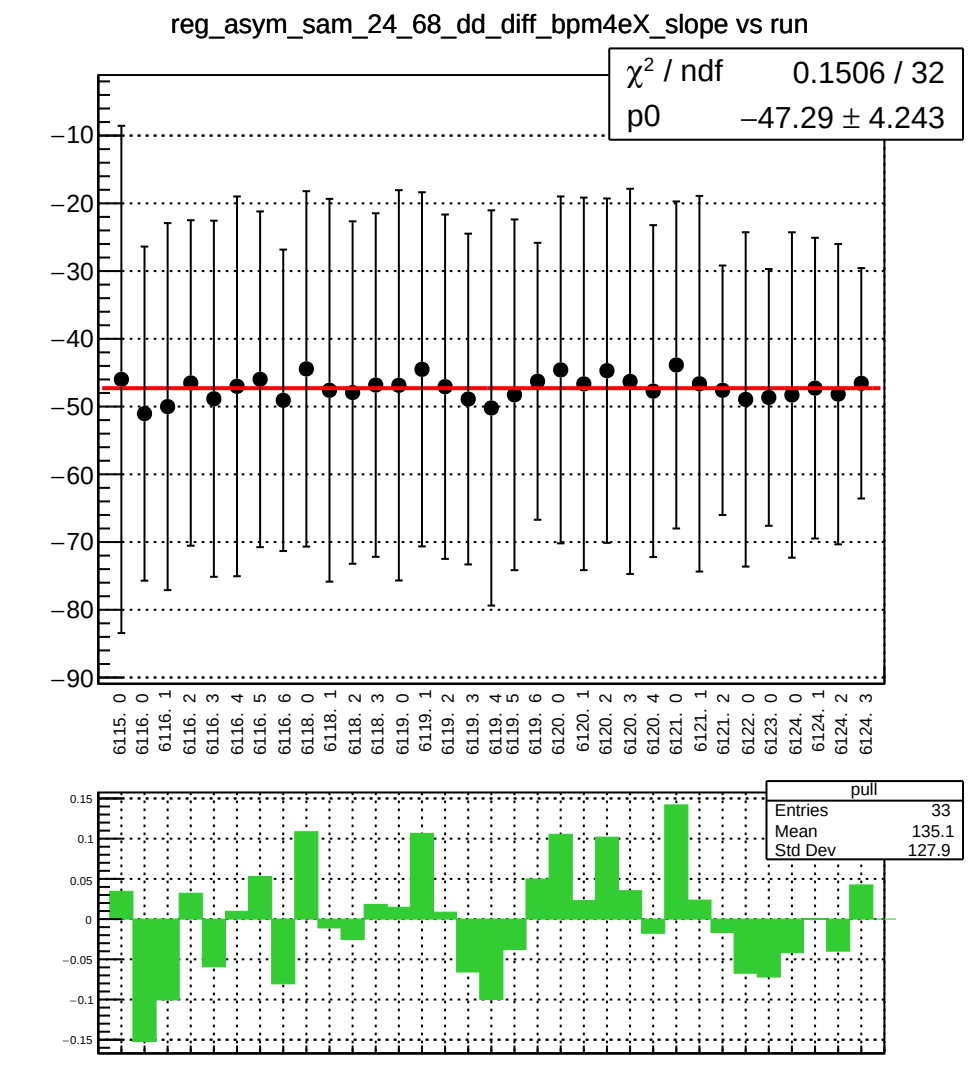

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 0.6284 / 32
p0 0.3869 ± 0.06417
1
0.8
0.6
0.4
0.2
0
−0.2
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −129.1
Std Dev 146.1
0.3
0.2
0.1
0
−0.1
−0.2
pull1D
Entries 33
Mean −0.004123
Std Dev 0.1379
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

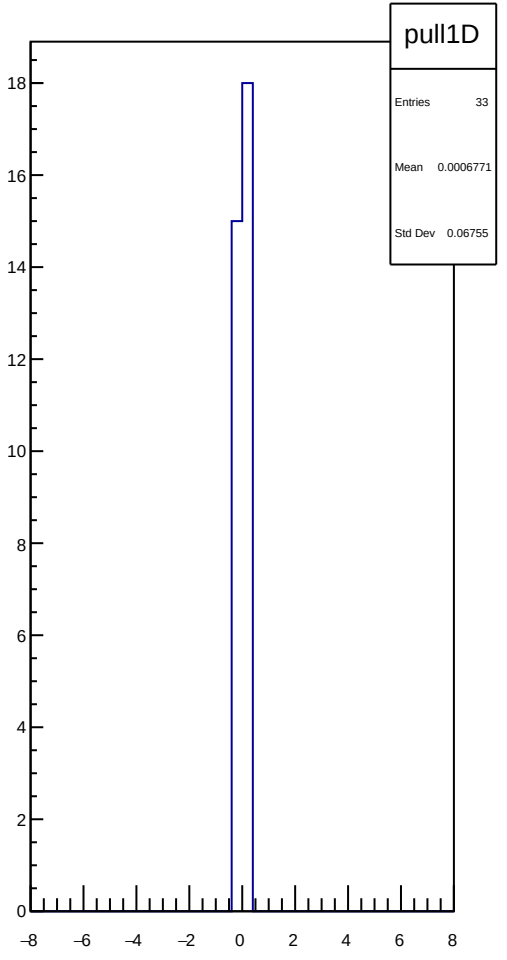

reg_asym_sam_24_68_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.1327 / 32
p0 −57.48 ± 3.647
−30
−40
−50
−60
−70
−80
−90
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −571.3
Std Dev 585.1
0.1
0.05
0
−0.05
−0.1
−0.15

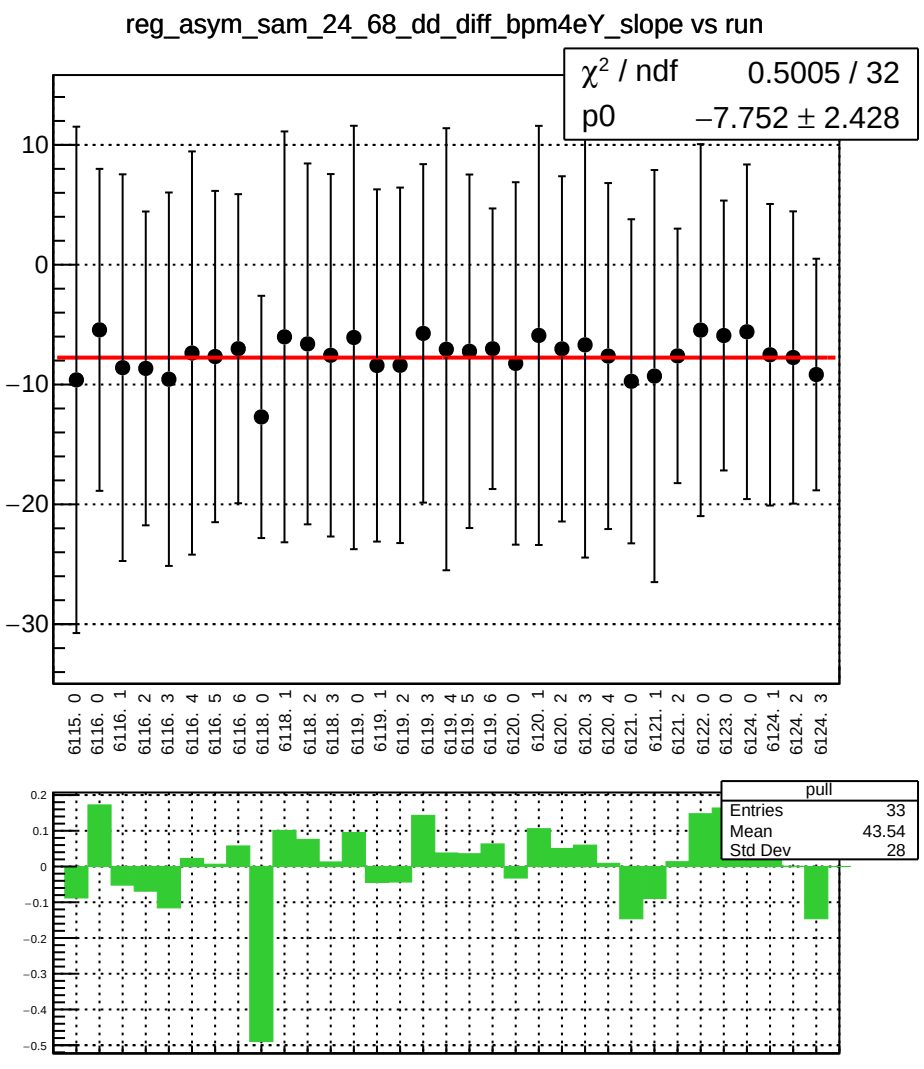

pull1D
Entries 33
Mean 0.0002435
Std Dev 0.06342
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

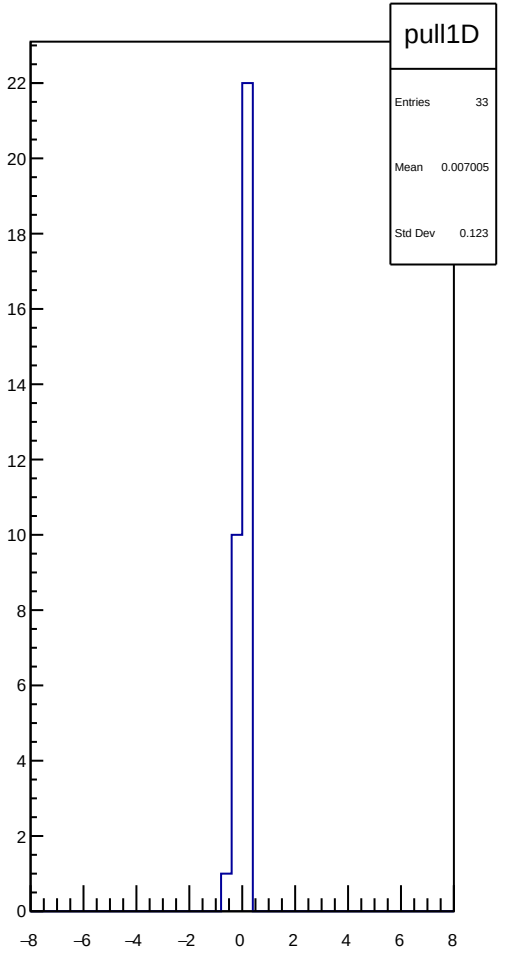

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.7113 / 32
p0 −4.557 ± 2.27
pull
Entries 33
Mean 33.27
Std Dev 15.57

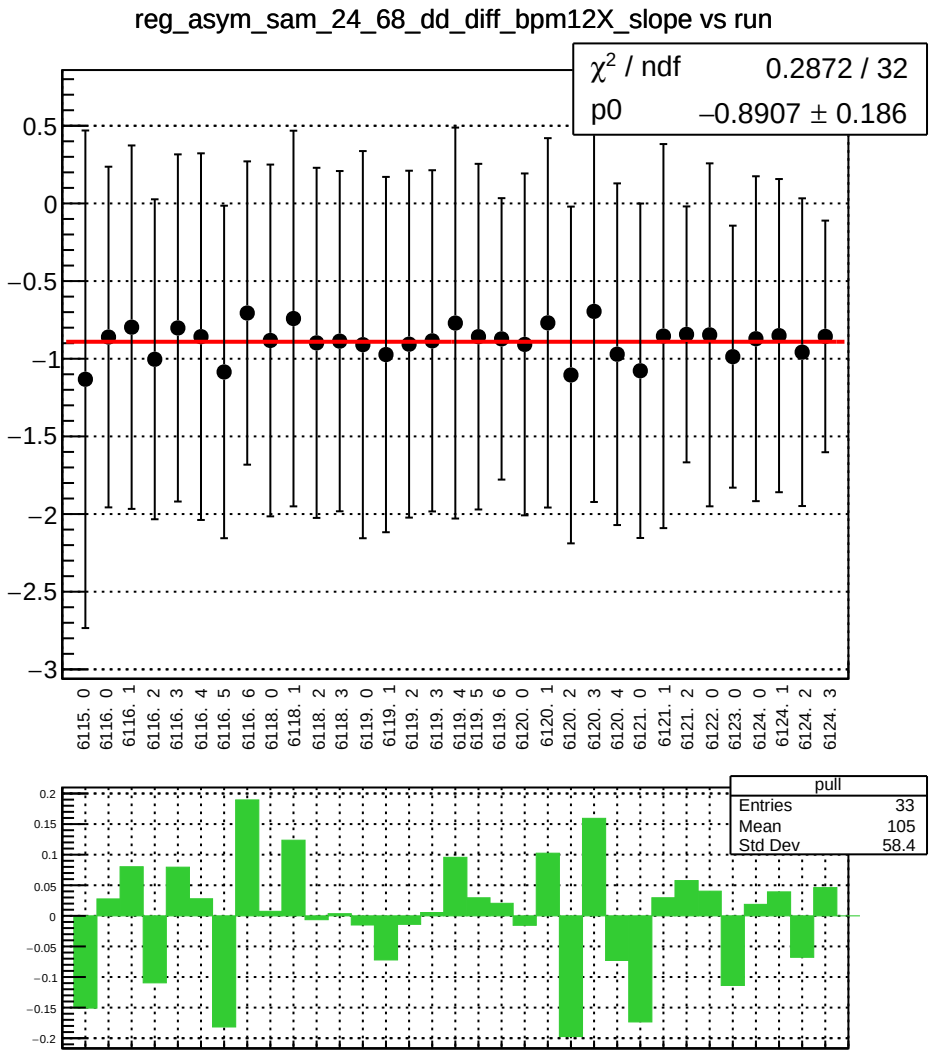

pull1D
Entries 33
Mean −0.01249
Std Dev 0.1463

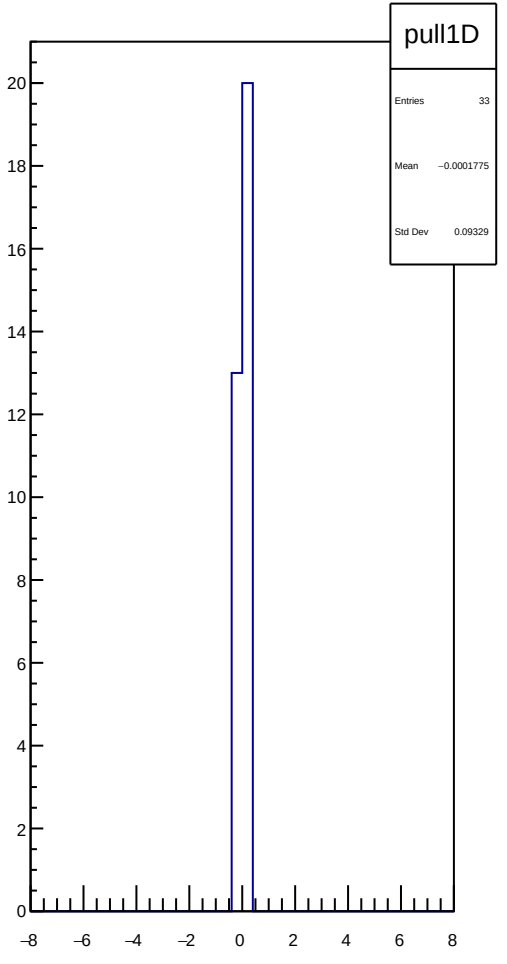

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.1506 / 32
p0 −47.29 ± 4.243
−10
−20
−30
−40
−50
−60
−70
−80
−90
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 135.1
Std Dev 127.9
0.15
0.1
0.05
0
−0.05
−0.1
−0.15

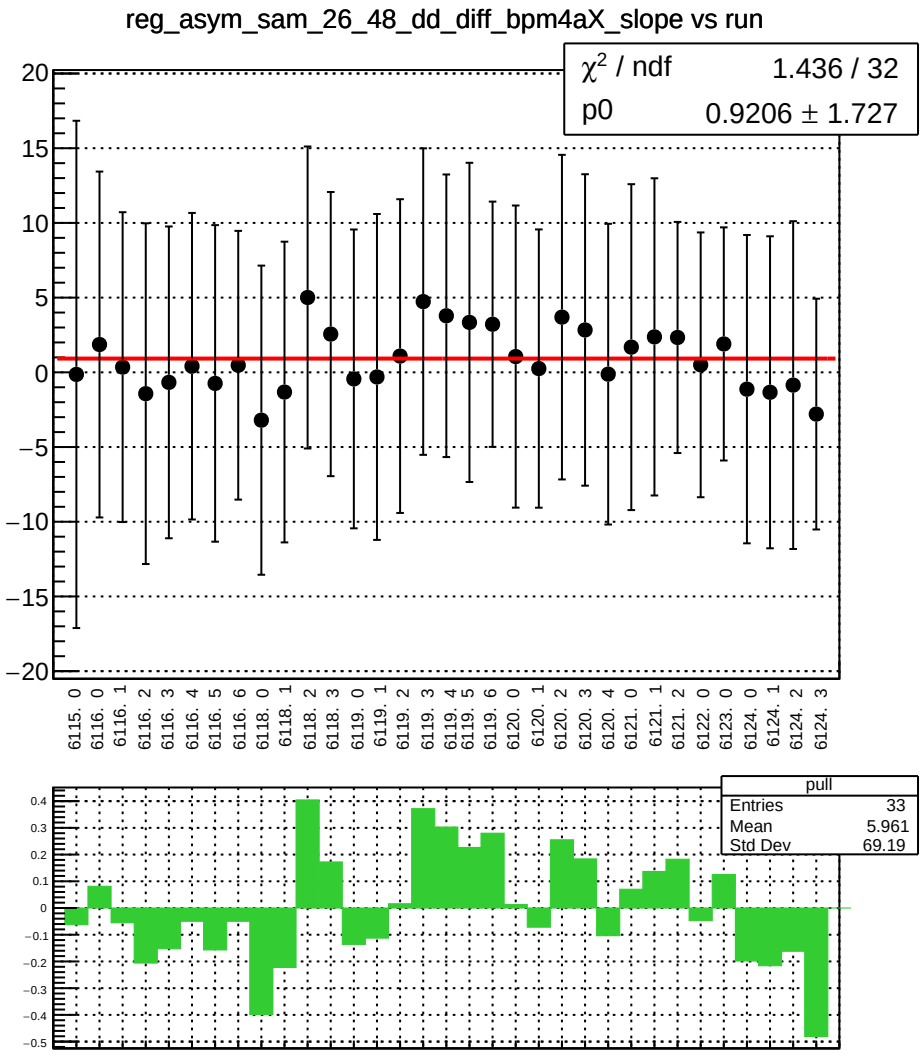

pull1D
Entries 33
Mean 0.0006771
Std Dev 0.06755
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

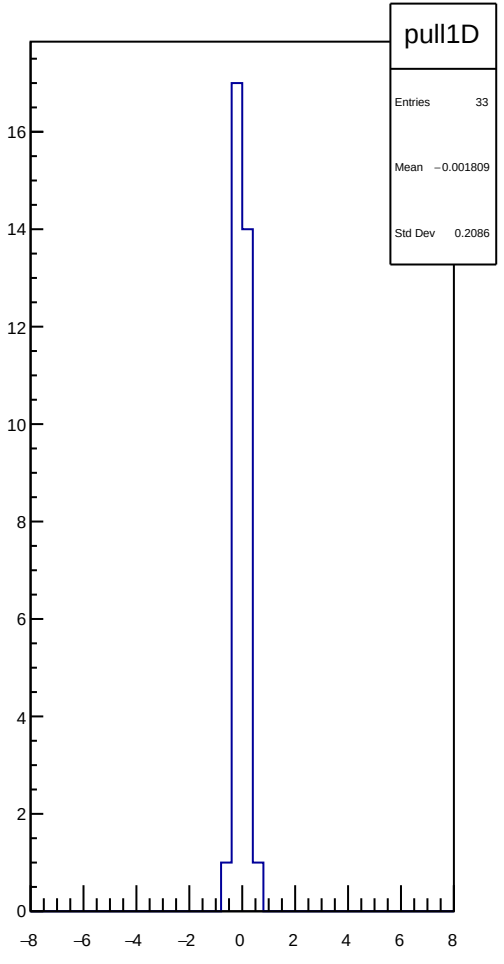

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 0.5005 / 32
p0 −7.752 ± 2.428
10
0
−10
−20
−30
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 43.54
Std Dev 28
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5

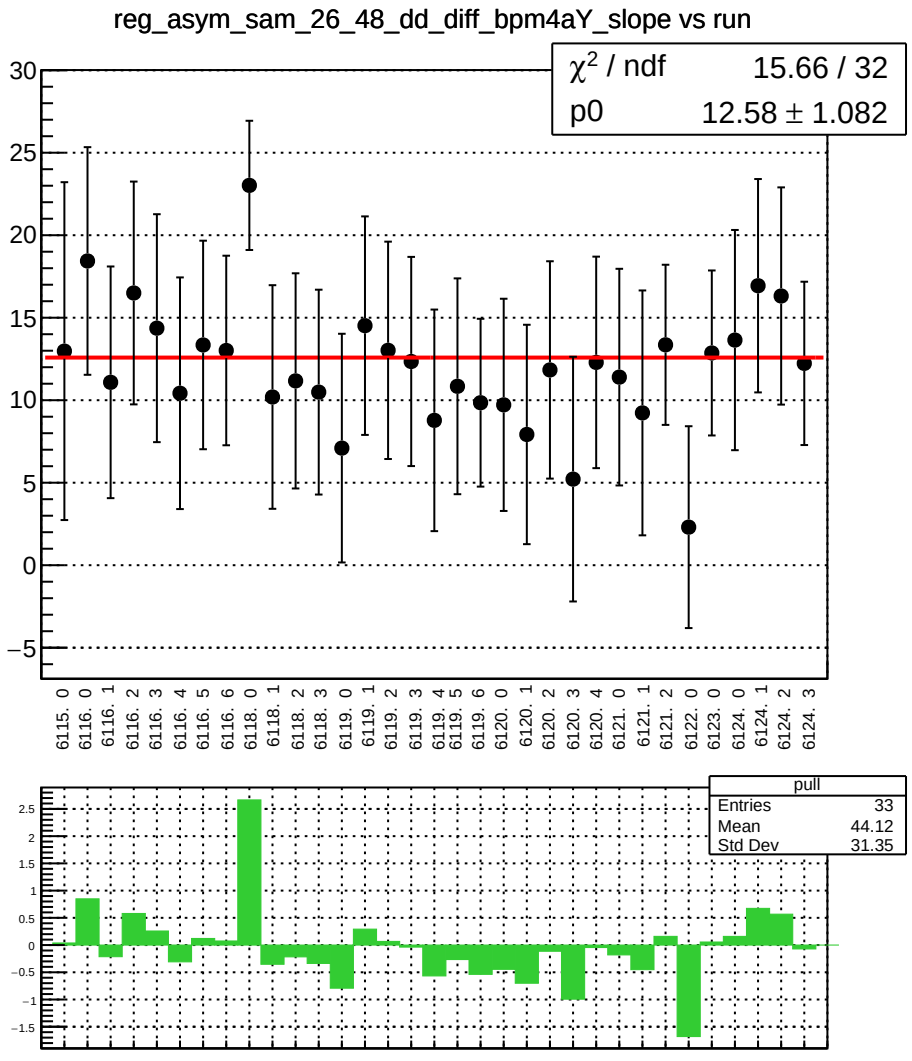

pull1D
Entries 33
Mean 0.007005
Std Dev 0.123
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

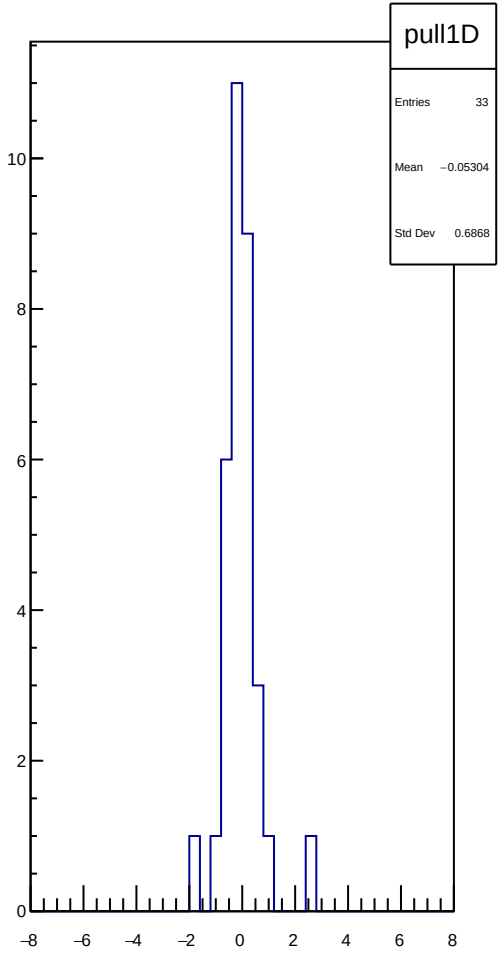

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 0.2872 / 32
p0 −0.8907 ± 0.186
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 105
Std Dev 58.4
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2

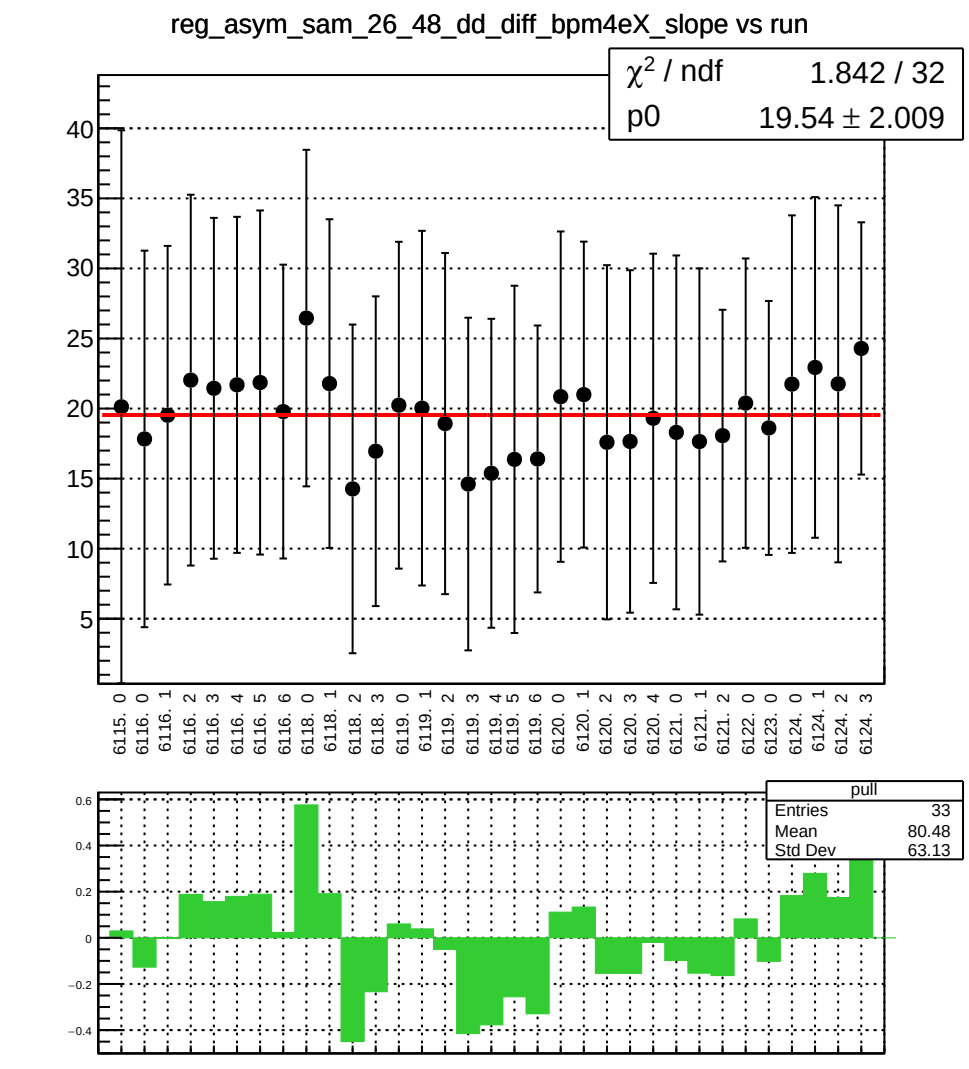

pull1D
Entries 33
Mean −0.0001775
Std Dev 0.09329
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

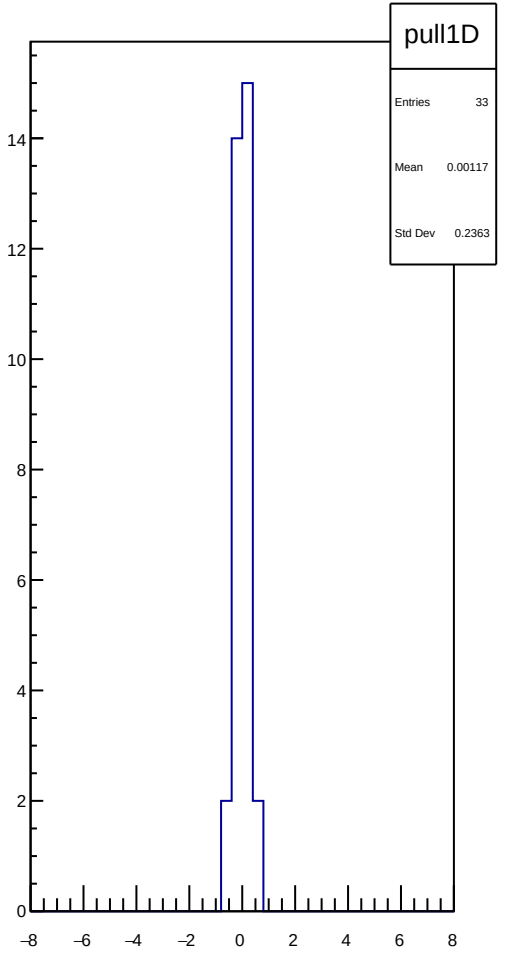

reg_asym_sam_26_48_dd_diff_bpm4aX_slope vs run
χ² / ndf 1.436 / 32
p0 0.9206 ± 1.727
pull
Entries 33
Mean 5.961
Std Dev 69.19

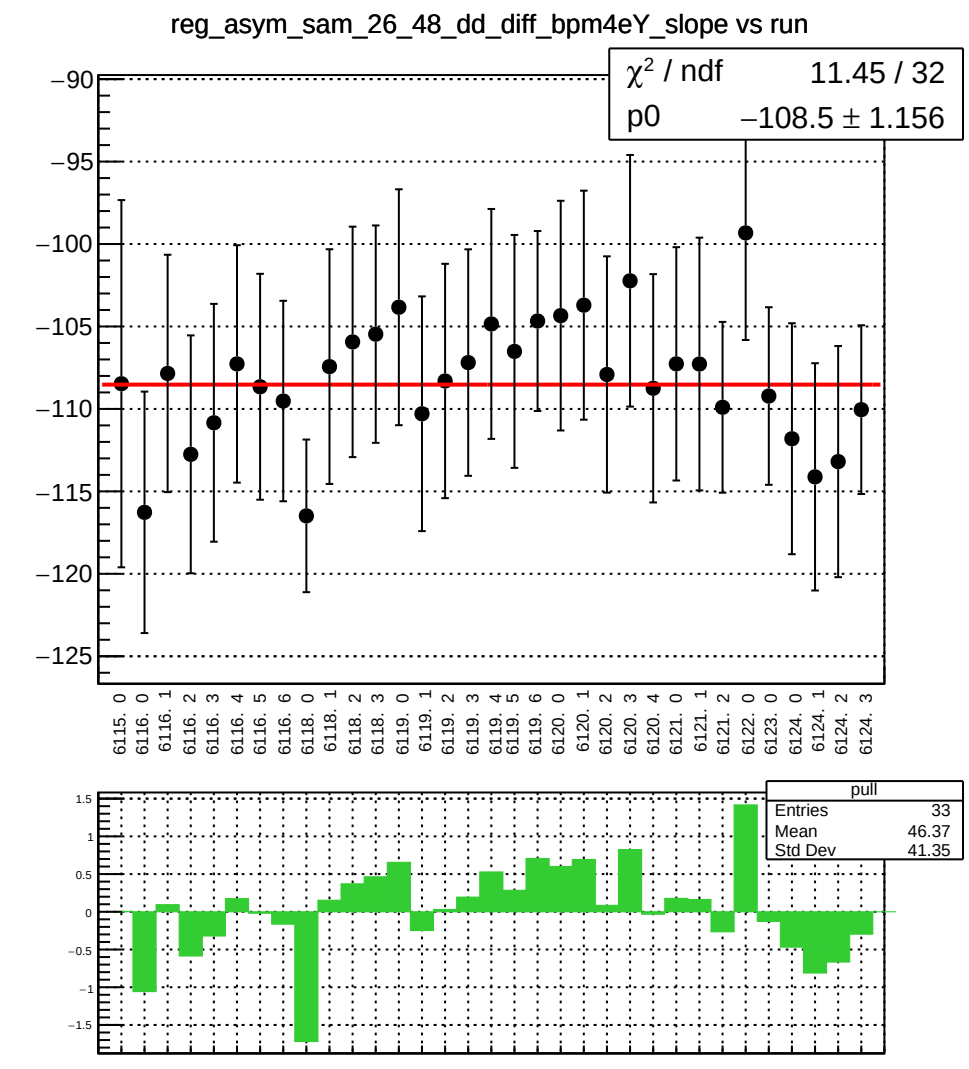

pull1D
Entries 33
Mean −0.001809
Std Dev 0.2086

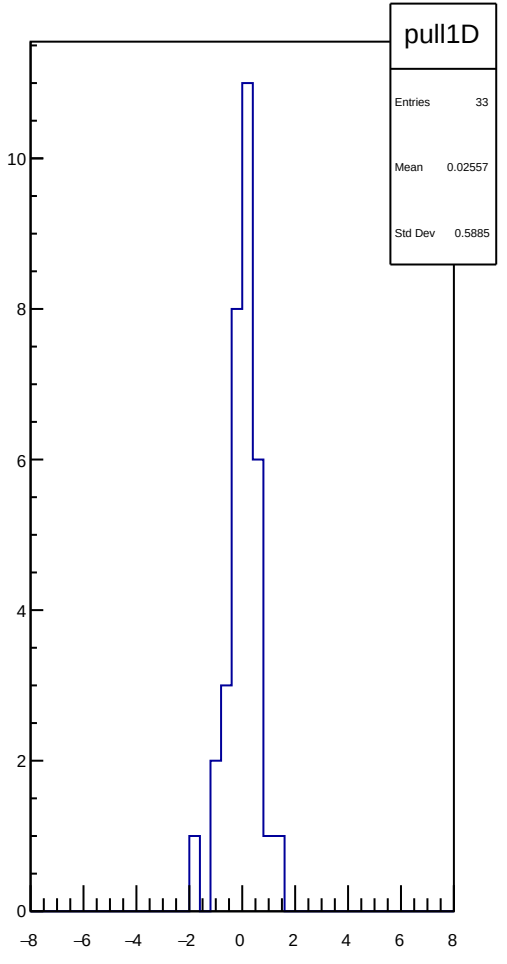

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.66 / 32
p0 12.58 ± 1.082
pull
Entries 33
Mean 44.12
Std Dev 31.35

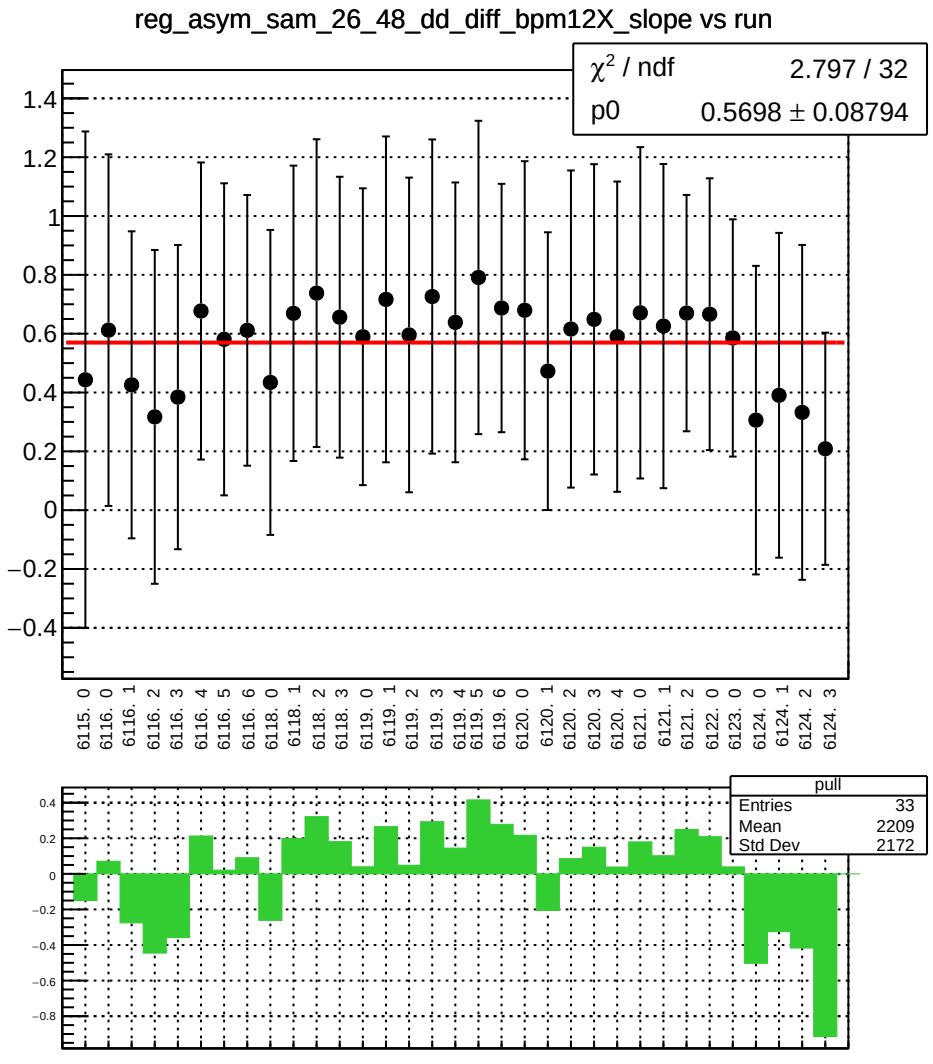

pull1D
Entries 33
Mean −0.05304
Std Dev 0.6868

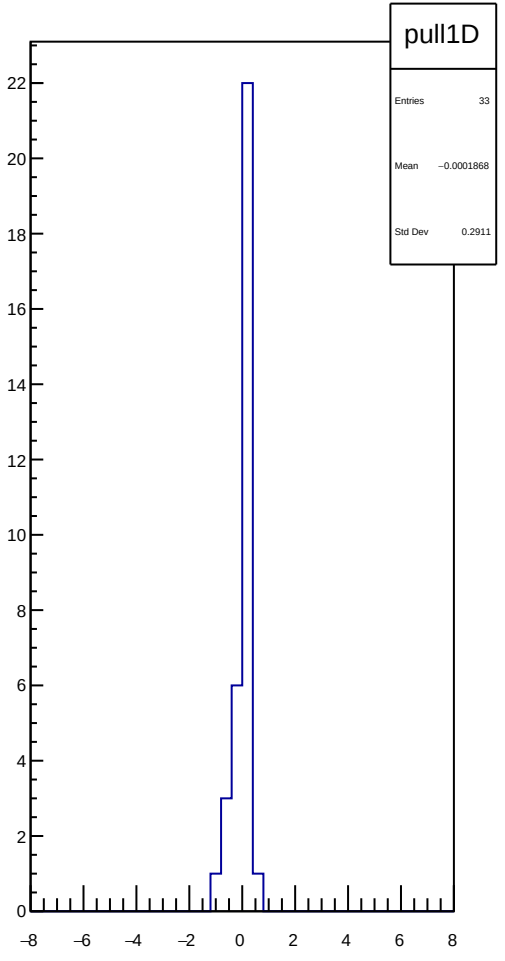

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.842 / 32
p0 19.54 ± 2.009
40
35
30
25
20
15
10
5
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 80.48
Std Dev 63.13
0.6
0.4
0.2
0
−0.2
−0.4

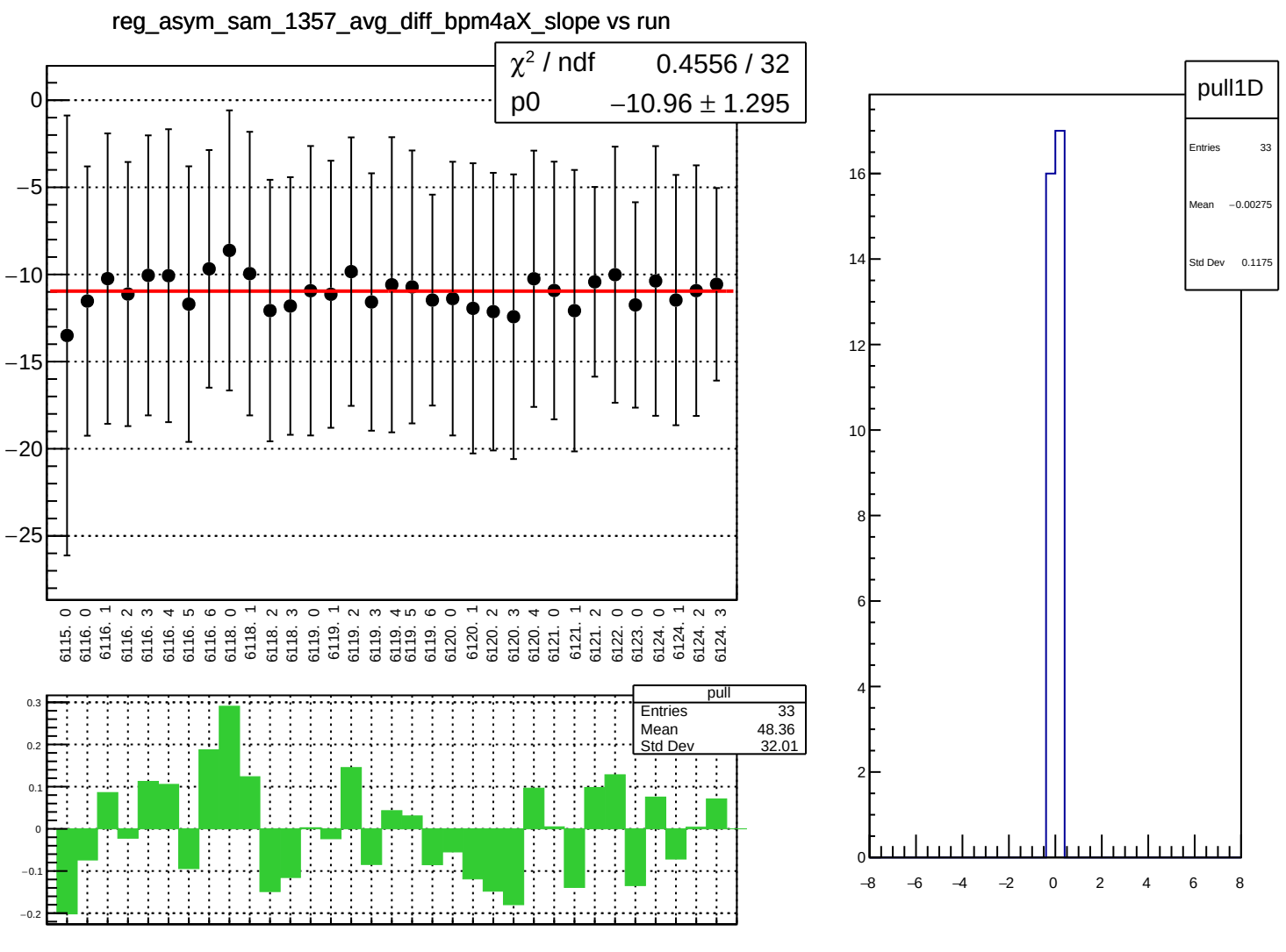

pull1D
Entries 33
Mean 0.00117
Std Dev 0.2363
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

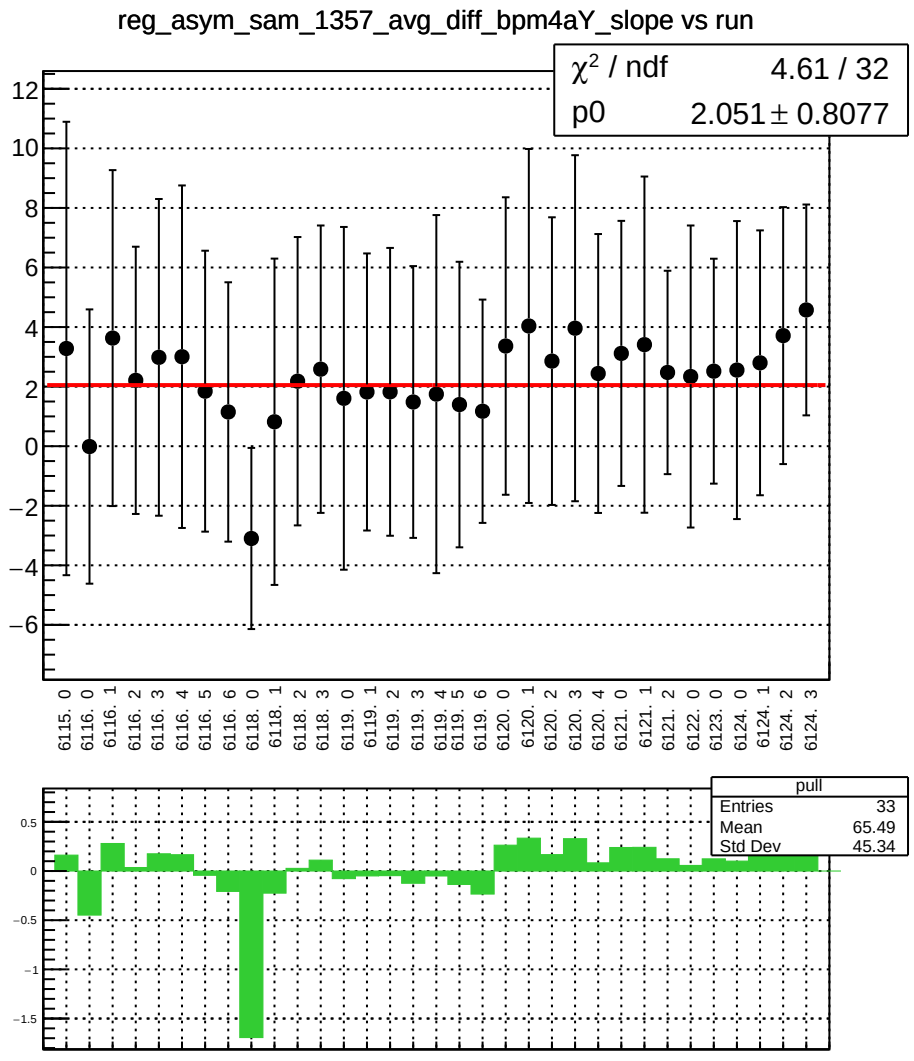

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.45 / 32
p0 −108.5 ± 1.156
−90
−95
−100
−105
−110
−115
−120
−125
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 46.37
Std Dev 41.35
1.5
1
0.5
0
−0.5
−1
−1.5

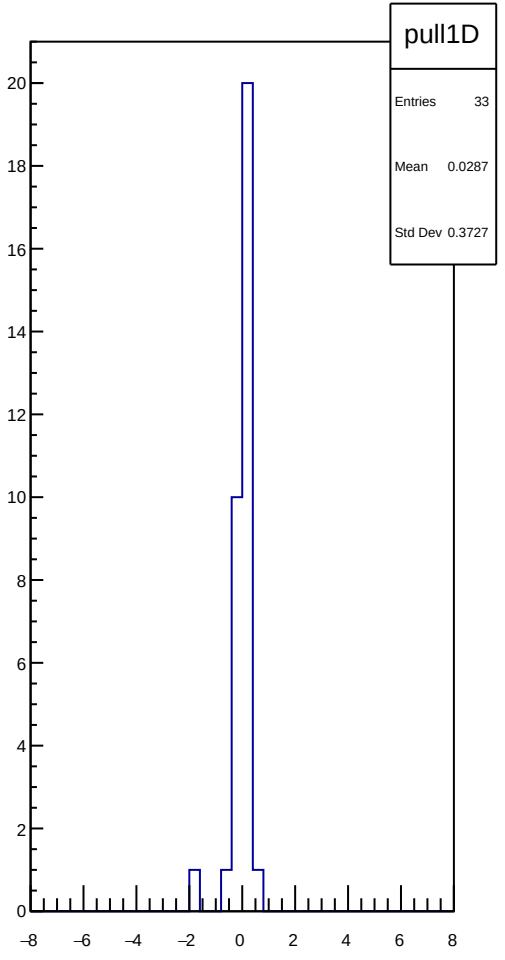

pull1D
Entries 33
Mean 0.02557
Std Dev 0.5885
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

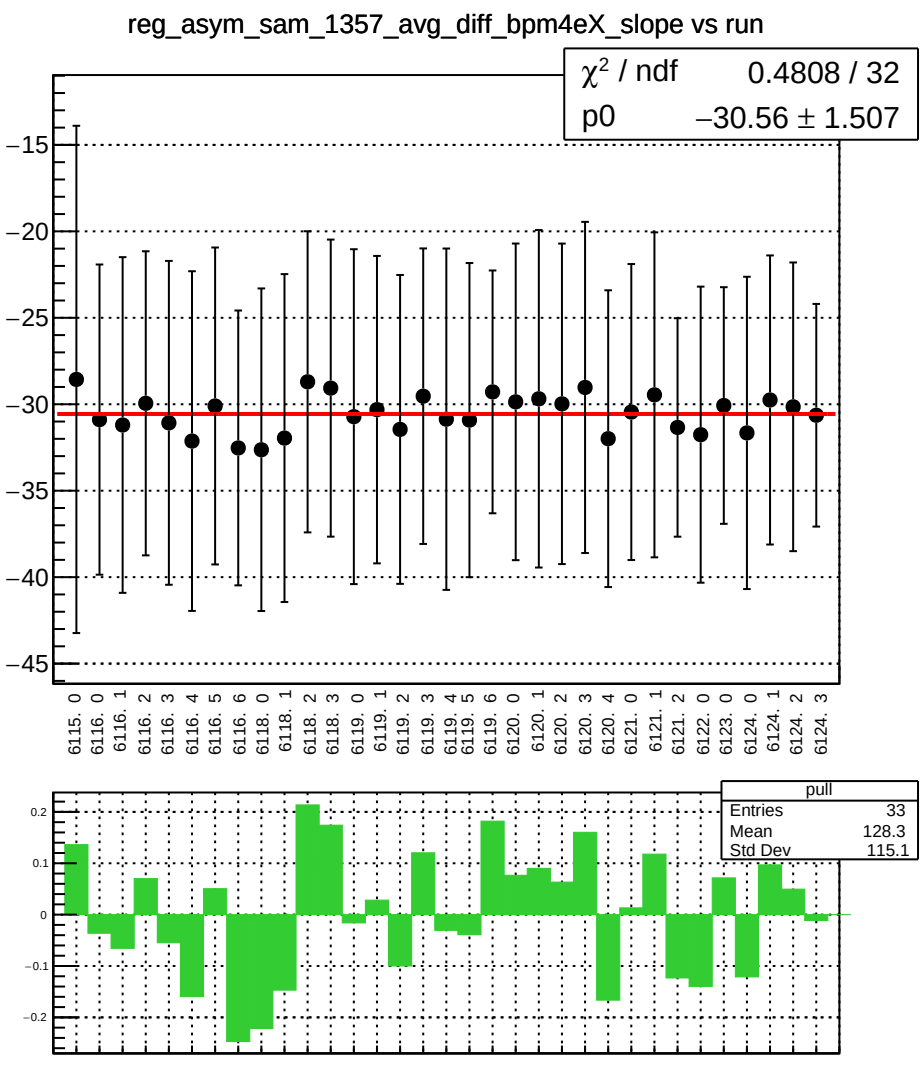

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 2.797 / 32
p0 0.5698 ± 0.08794
pull
Entries 33
Mean 2209
Std Dev 2172

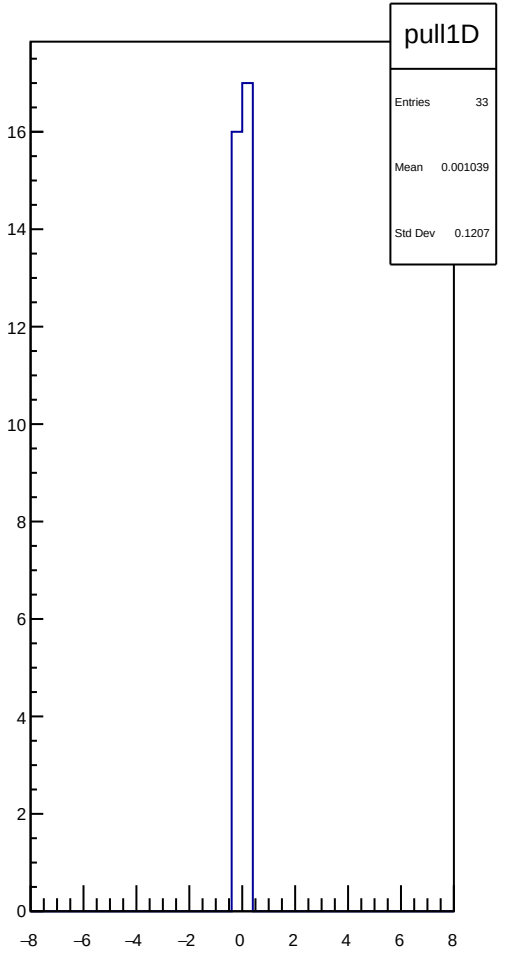

pull1D
Entries 33
Mean −0.0001868
Std Dev 0.2911

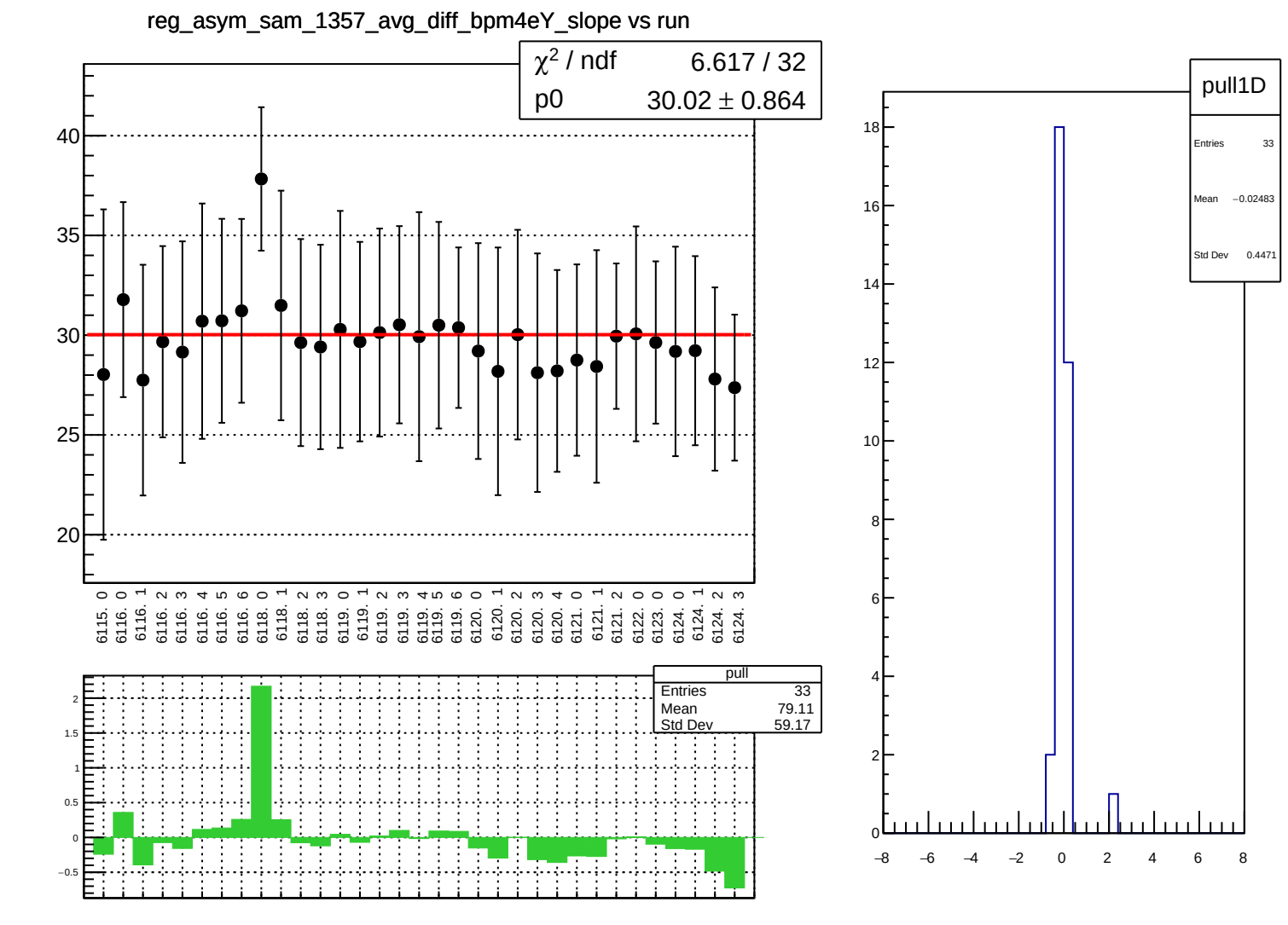

reg_asym_sam_1357_avg_diff_bpm4aX_slope vs run
χ² / ndf 0.4556 / 32
p0 −10.96 ± 1.295
0
−5
−10
−15
−20
−25
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 48.36
Std Dev 32.01
0.3
0.2
0.1
0
−0.1
−0.2
pull1D
Entries 33
Mean −0.00275
Std Dev 0.1175
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

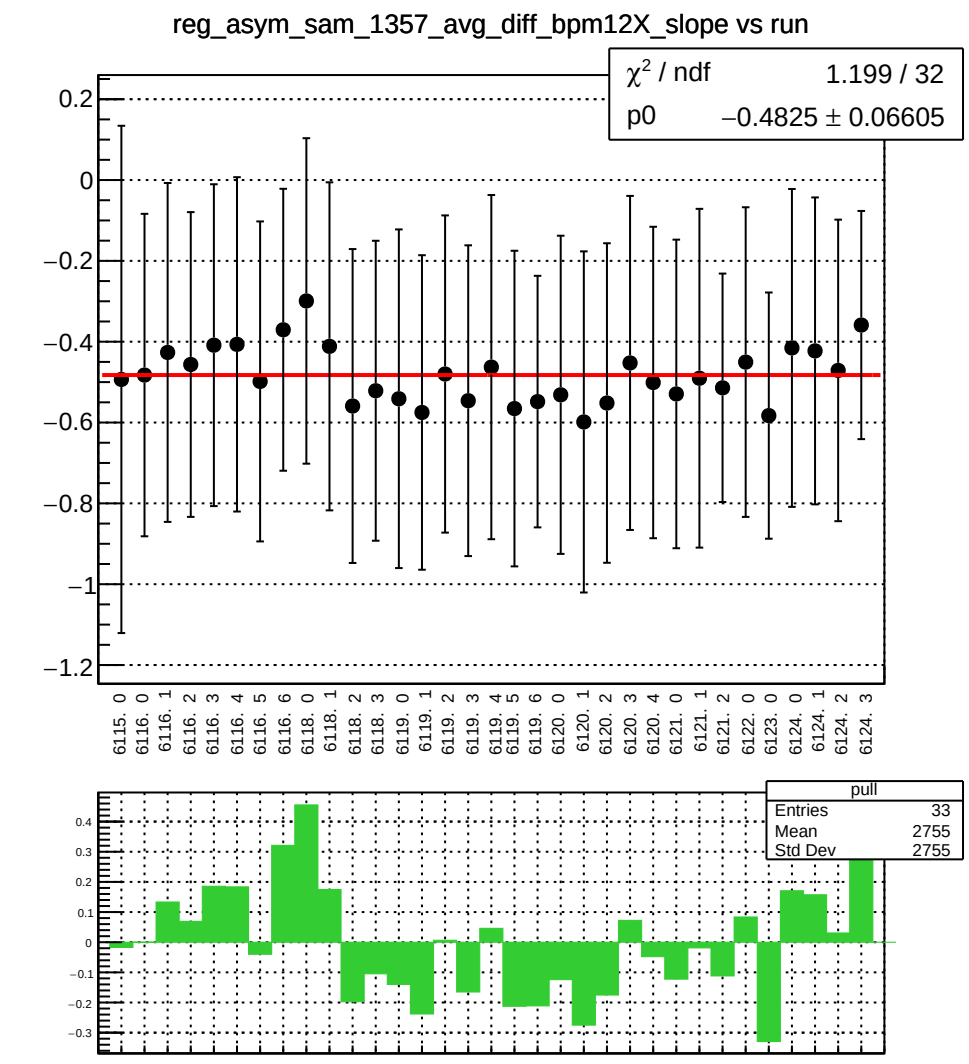

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.61 / 32
p0 2.051 ± 0.8077
pull
Entries 33
Mean 65.49
Std Dev 45.34

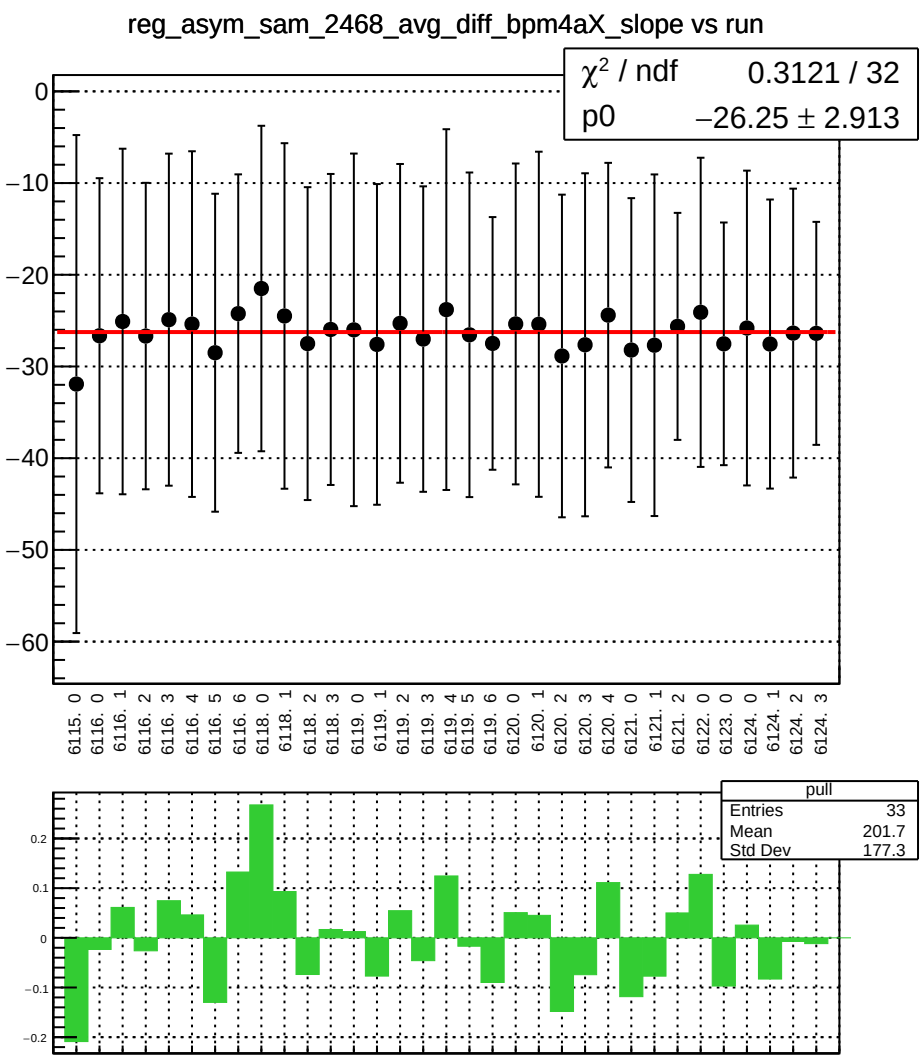

pull1D
Entries 33
Mean 0.0287
Std Dev 0.3727

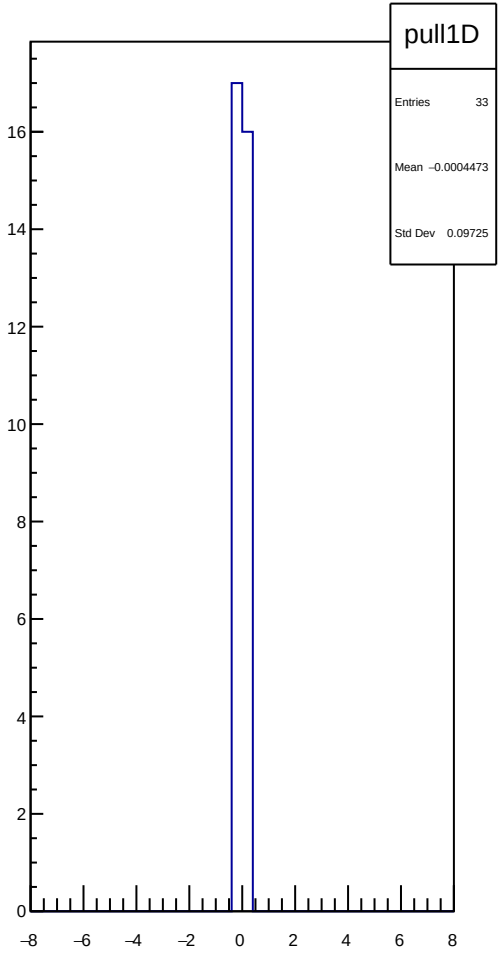

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 0.4808 / 32
p0 −30.56 ± 1.507
−15
−20
−25
−30
−35
−40
−45
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 128.3
Std Dev 115.1
0.2
0.1
0
−0.1
−0.2

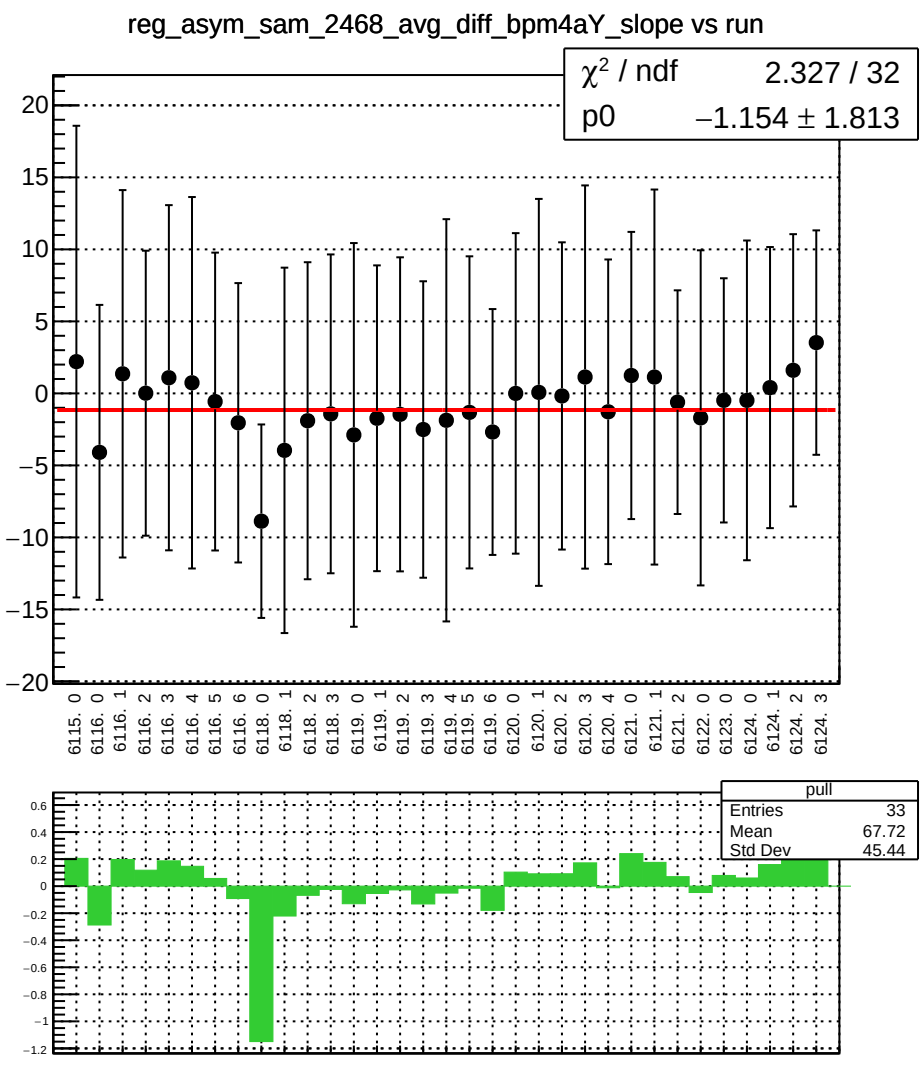

pull1D
Entries 33
Mean 0.001039
Std Dev 0.1207
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

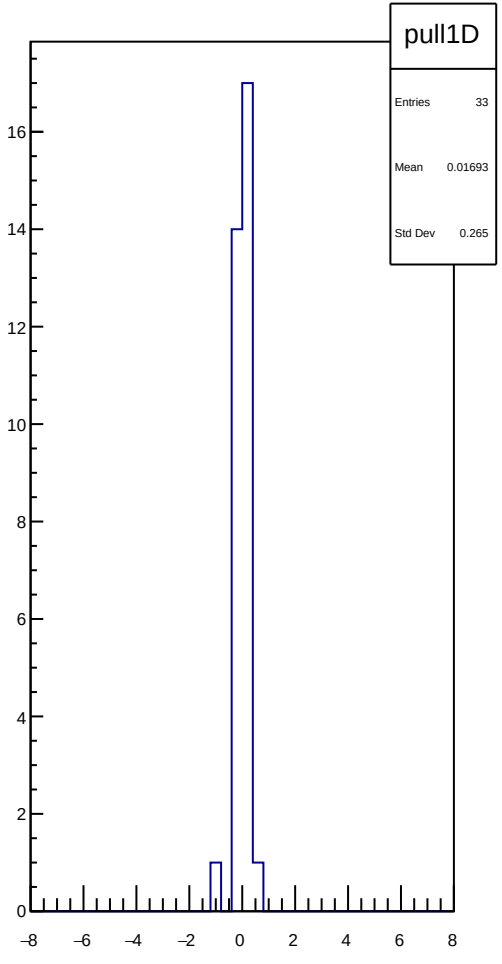

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.617 / 32
p0 30.02 ± 0.864
40
35
30
25
20
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 79.11
Std Dev 59.17
2
1.5
1
0.5
0
−0.5
pull1D
Entries 33
Mean −0.02483
Std Dev 0.4471
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

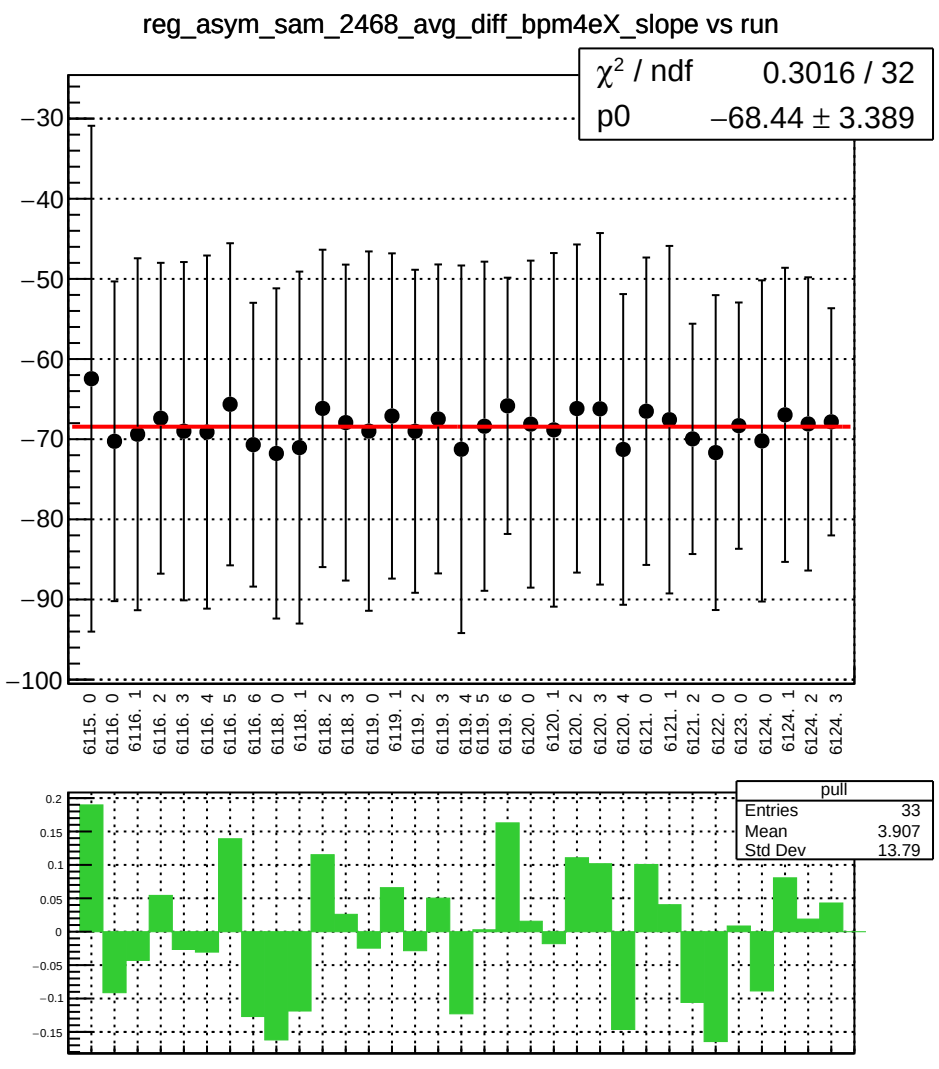

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 1.199 / 32
p0 −0.4825 ± 0.06605
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 2755
Std Dev 2755
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 33
Mean −8.021e−05
Std Dev 0.1906
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

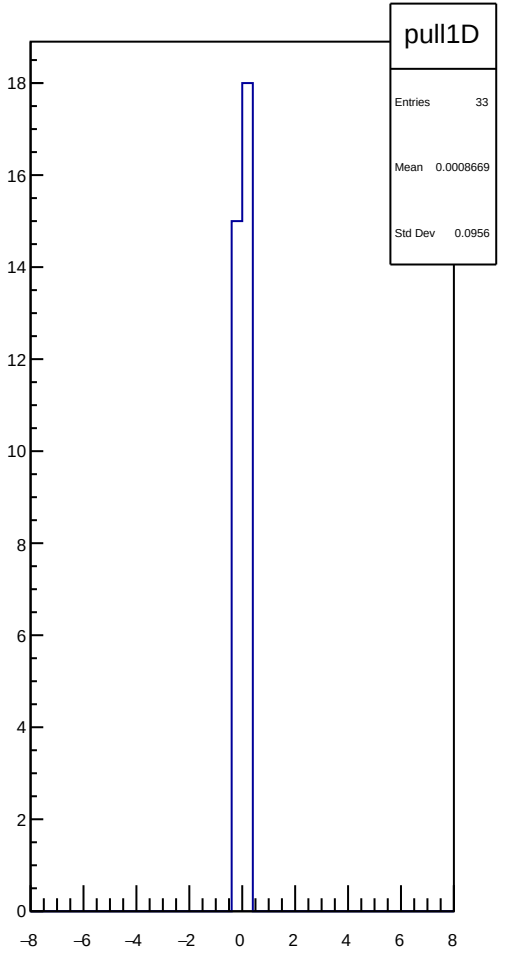

reg_asym_sam_2468_avg_diff_bpm4aX_slope vs run
χ² / ndf 0.3121 / 32
p0 −26.25 ± 2.913
0
−10
−20
−30
−40
−50
−60
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 201.7
Std Dev 177.3
0.2
0.1
0
−0.1
−0.2

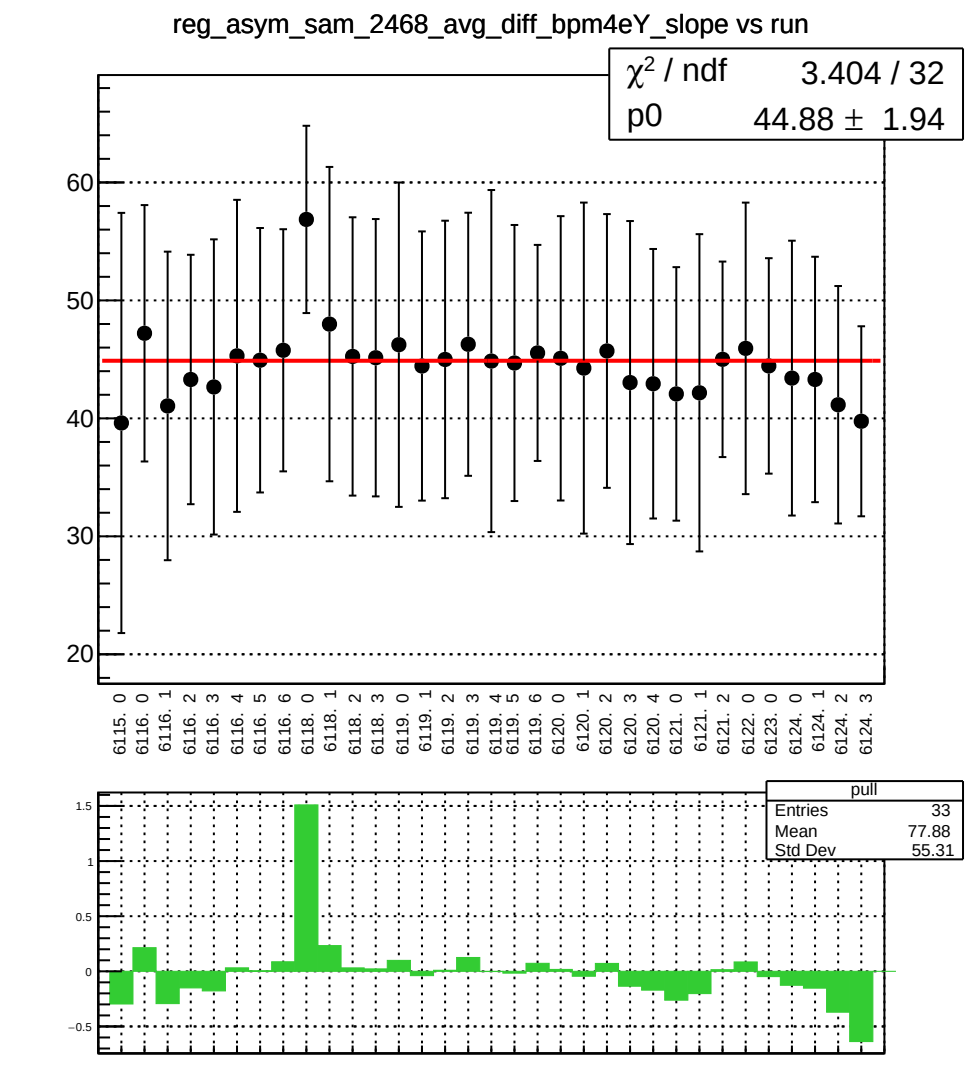

pull1D
Entries 33
Mean −0.0004473
Std Dev 0.09725
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

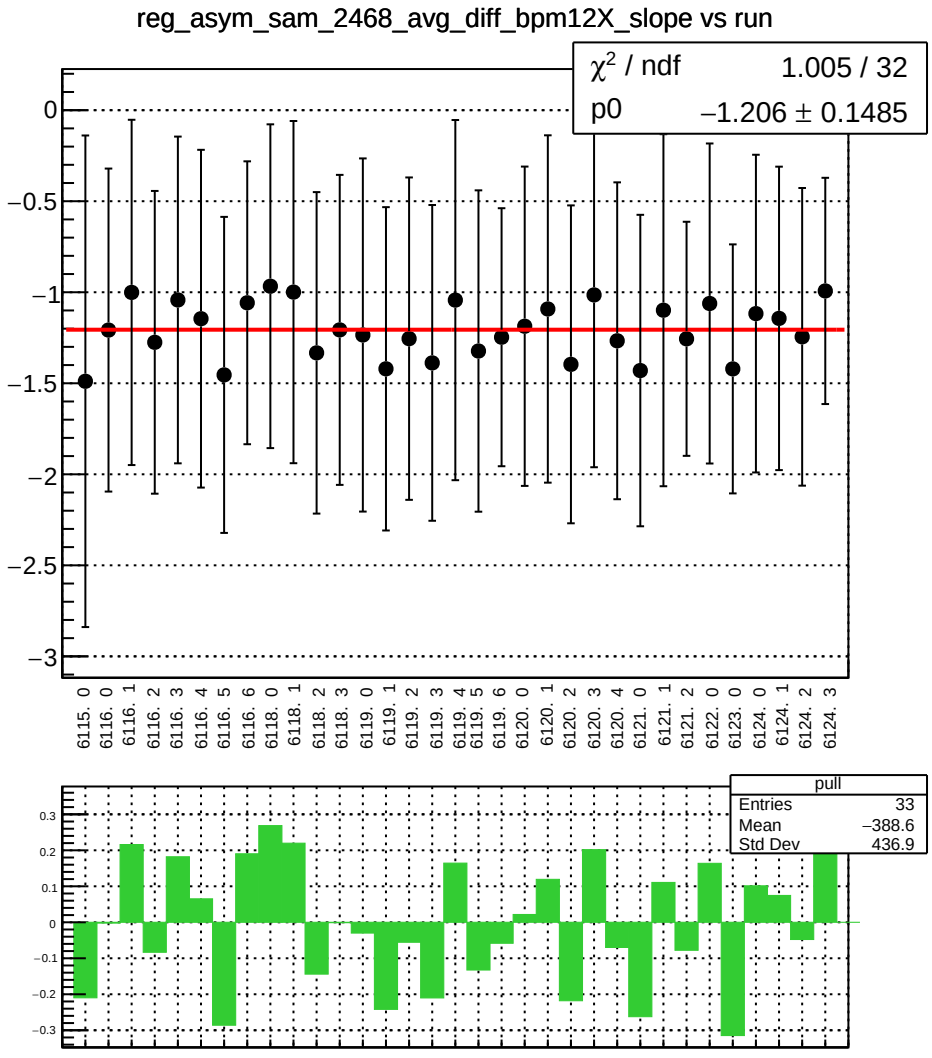

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.327 / 32
p0 −1.154 ± 1.813
pull
Entries 33
Mean 67.72
Std Dev 45.44

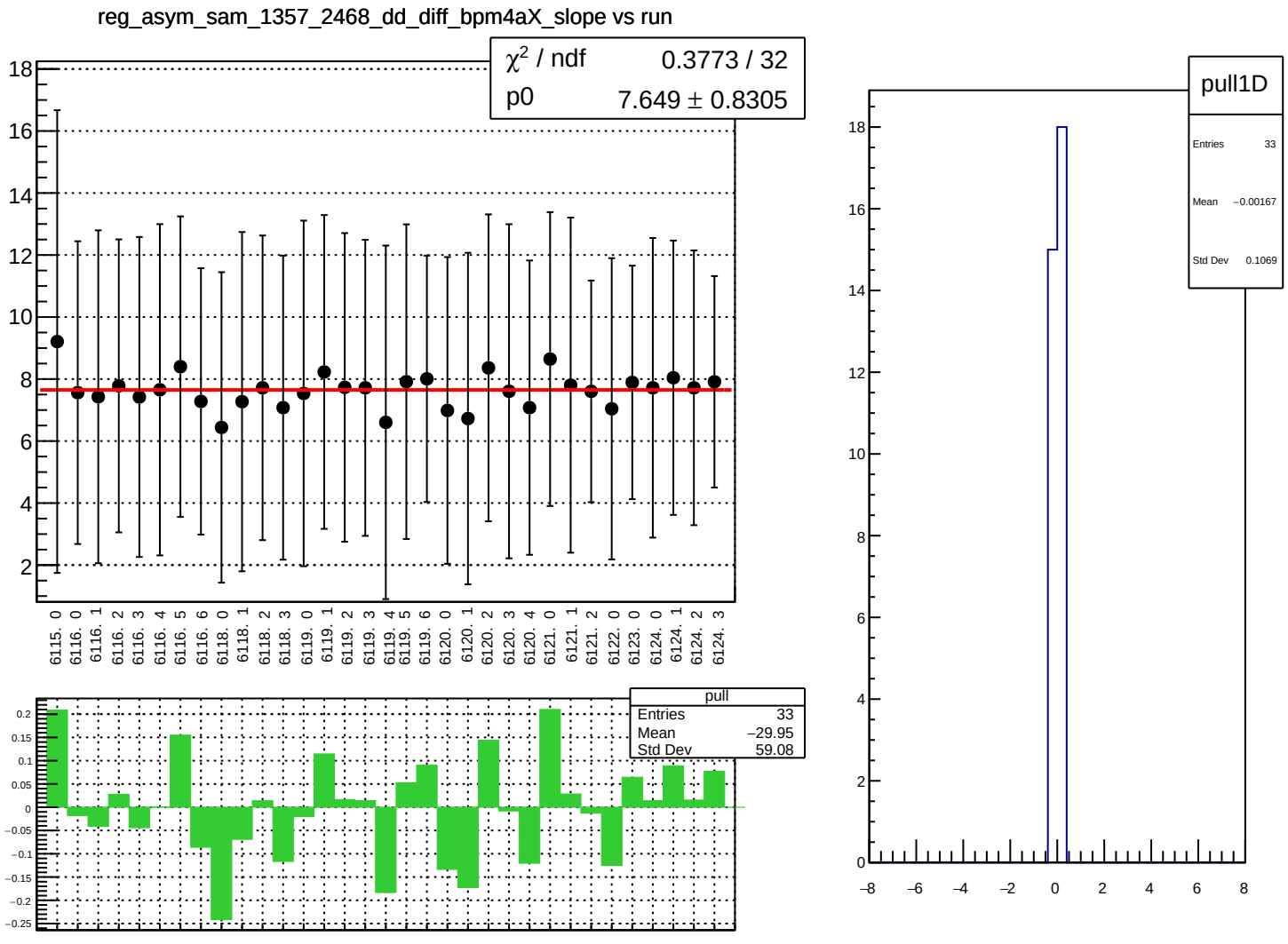

pull1D
Entries 33
Mean 0.01693
Std Dev 0.265

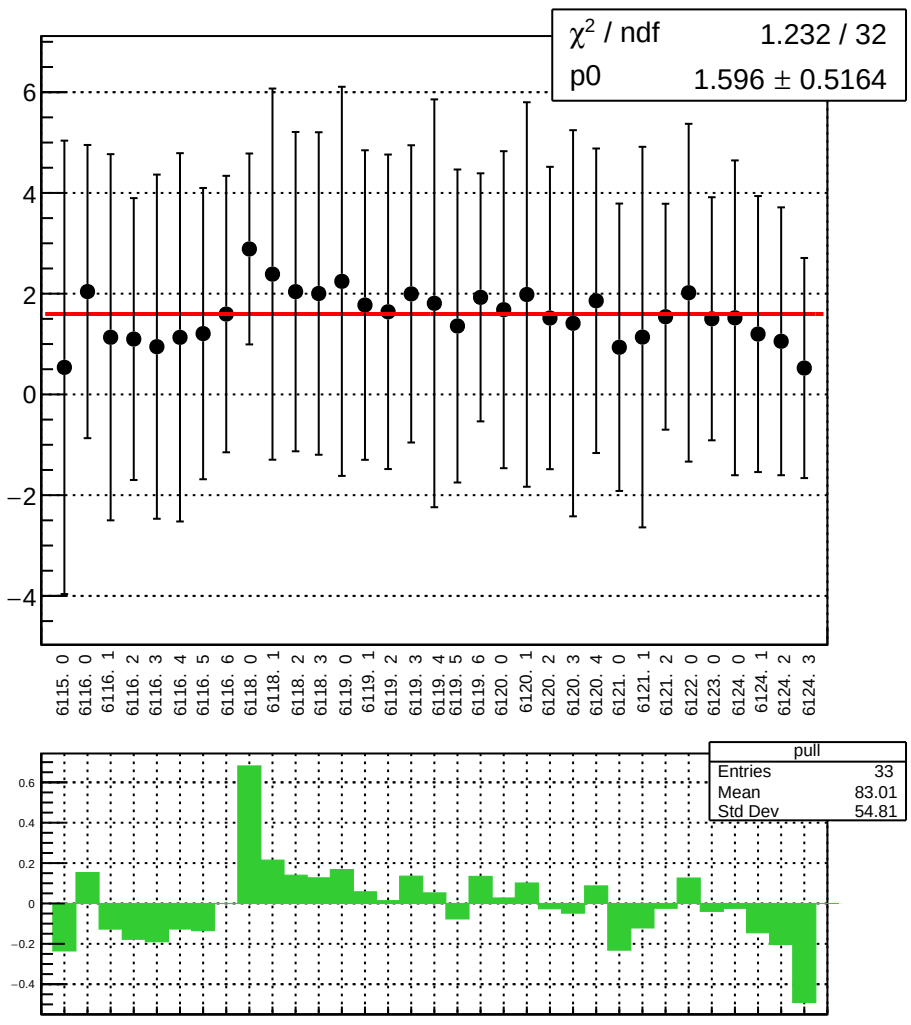

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 0.3016 / 32
p0 −68.44 ± 3.389
−30
−40
−50
−60
−70
−80
−90
−100
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 3.907
Std Dev 13.79
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15

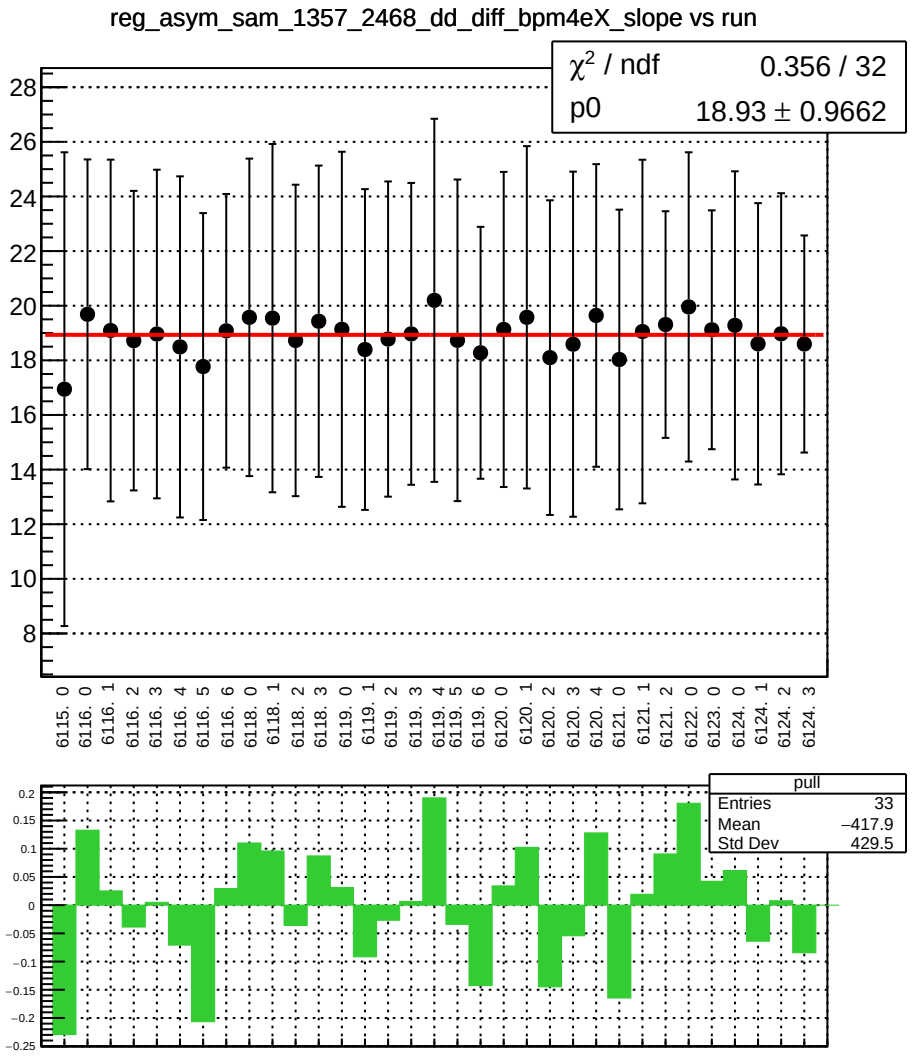

pull1D
Entries 33
Mean 0.0008669
Std Dev 0.0956
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

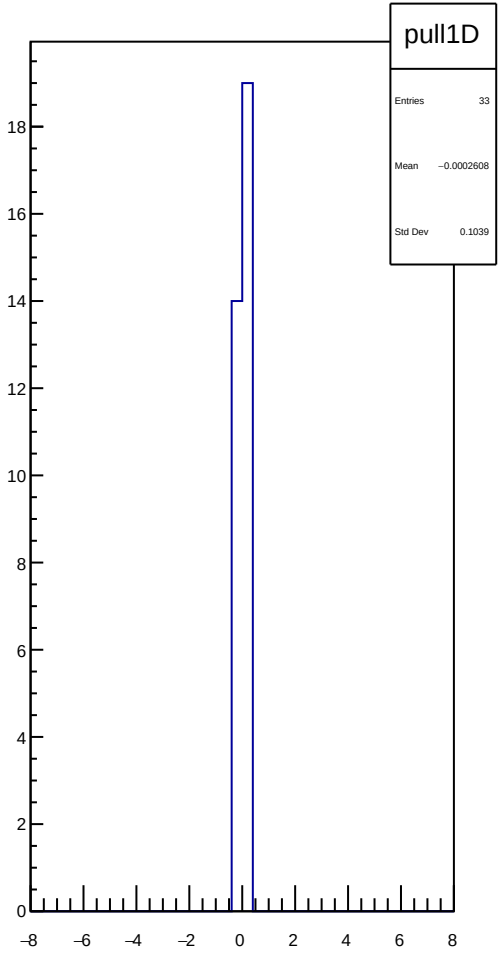

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.404 / 32
p0 44.88 ± 1.94
60
50
40
30
20
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 77.88
Std Dev 55.31
1.5
1
0.5
0
−0.5
pull1D
Entries 33
Mean −0.01504
Std Dev 0.3208
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

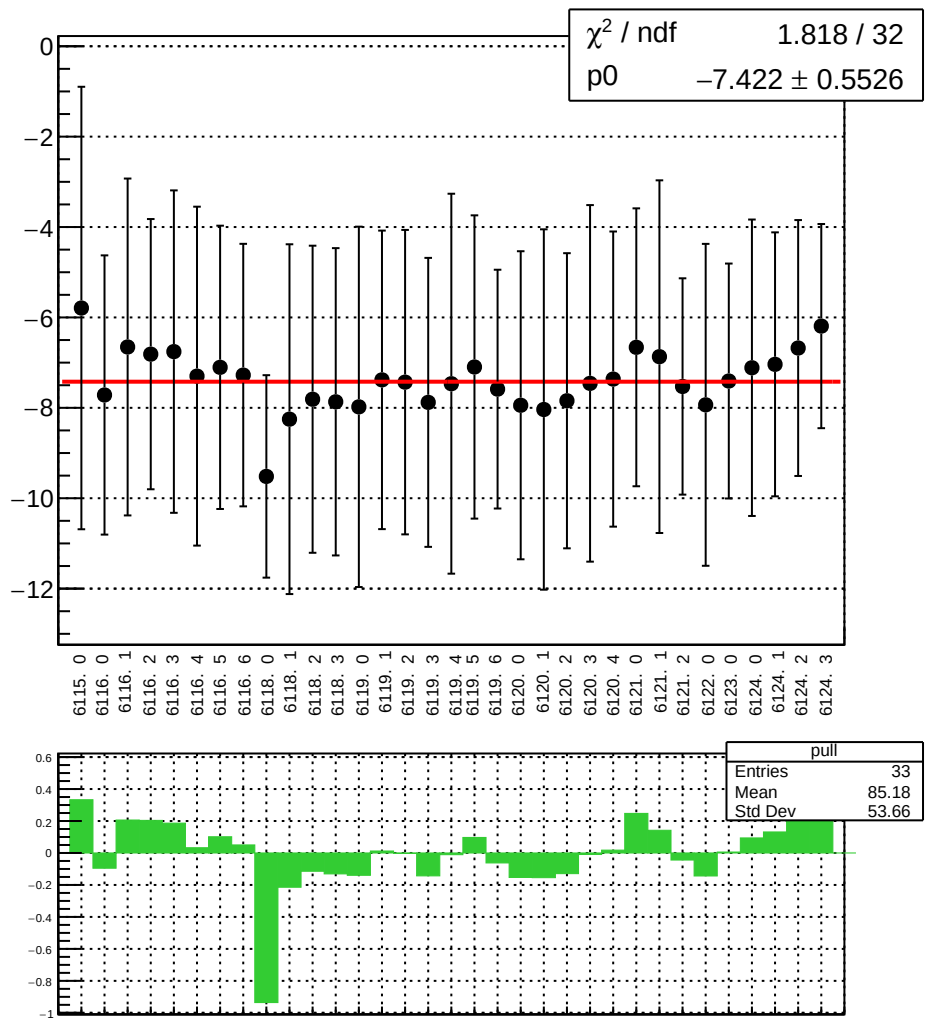

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 1.005 / 32
p0 −1.206 ± 0.1485
0
−0.5
−1
−1.5
−2
−2.5
−3
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −388.6
Std Dev 436.9
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 33
Mean −9.299e−05
Std Dev 0.1745
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

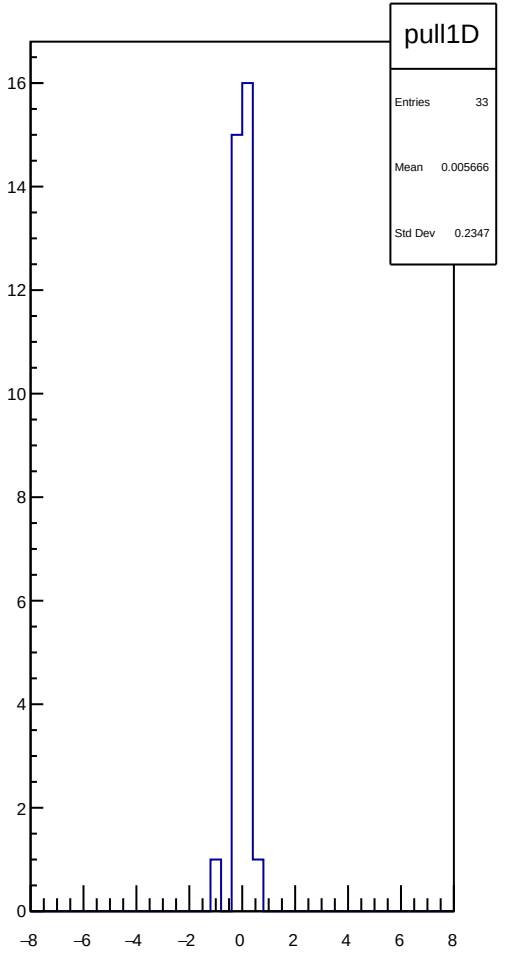

reg_asym_sam_1357_2468_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.3773 / 32
p0 7.649 ± 0.8305
18
16
14
12
10
8
6
4
2
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −29.95
Std Dev 59.08
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
pull1D
Entries 33
Mean −0.00167
Std Dev 0.1069
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

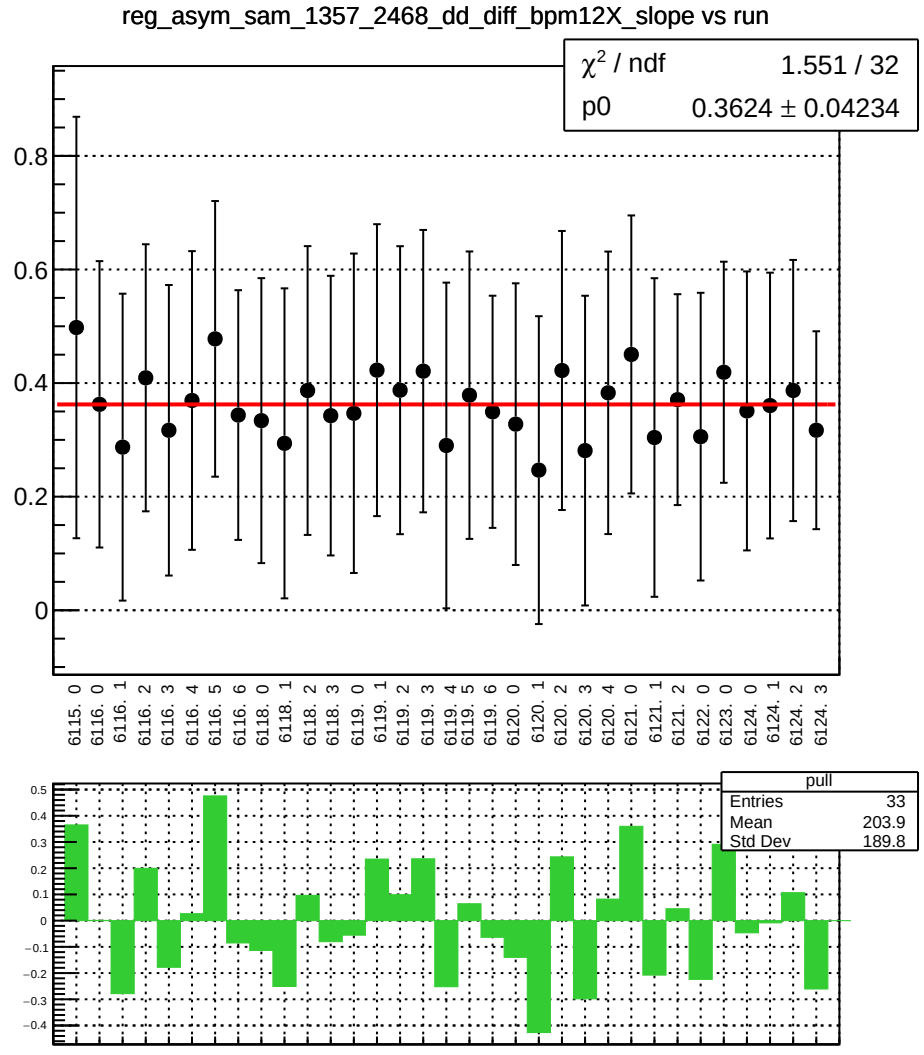

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.232 / 32
p0 1.596 ± 0.5164
6
4
2
0
−2
−4
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 83.01
Std Dev 54.81
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 33
Mean −0.006159
Std Dev 0.1931
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

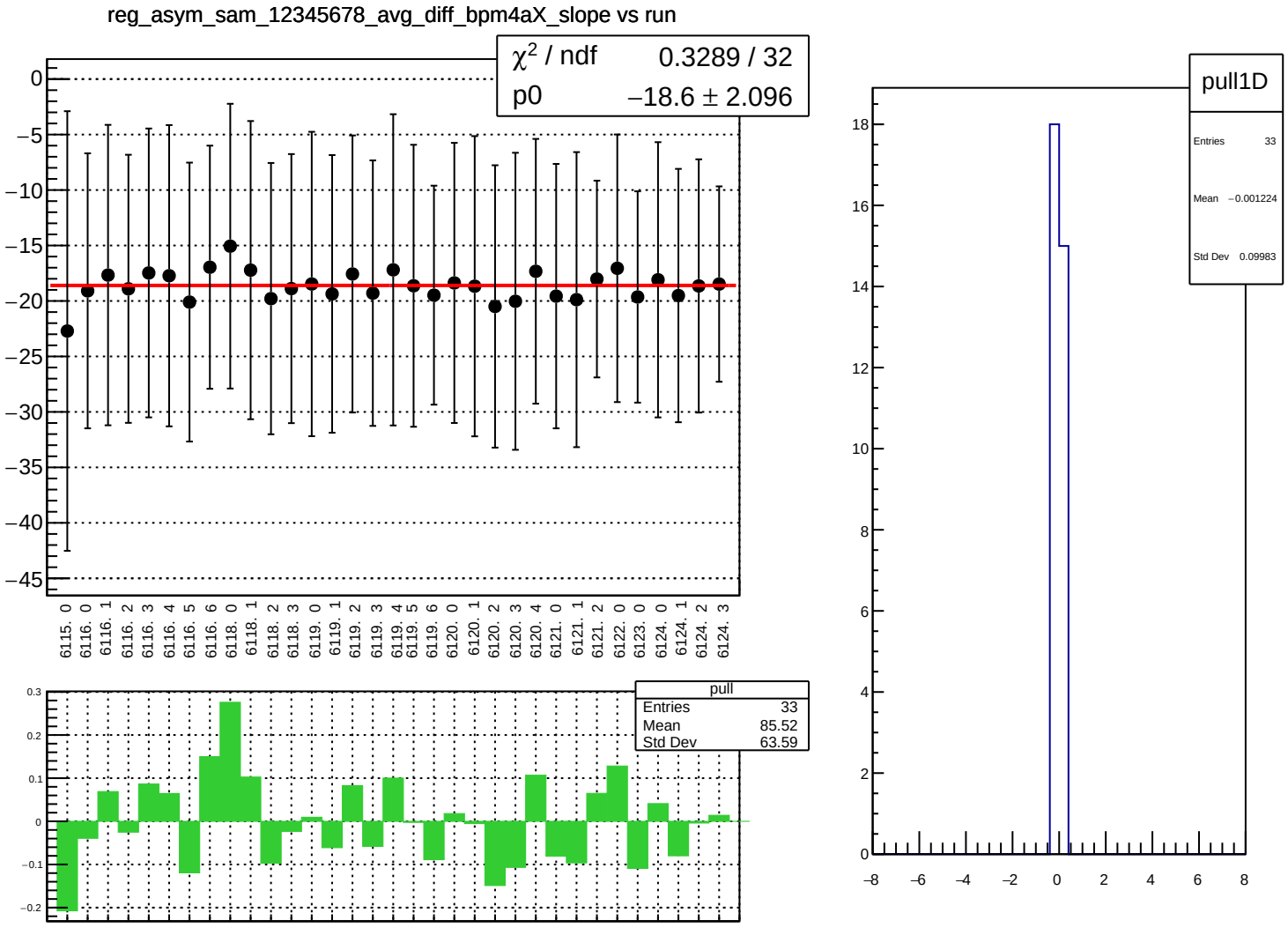

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.356 / 32
p0 18.93 ± 0.9662
pull
Entries 33
Mean −417.9
Std Dev 429.5

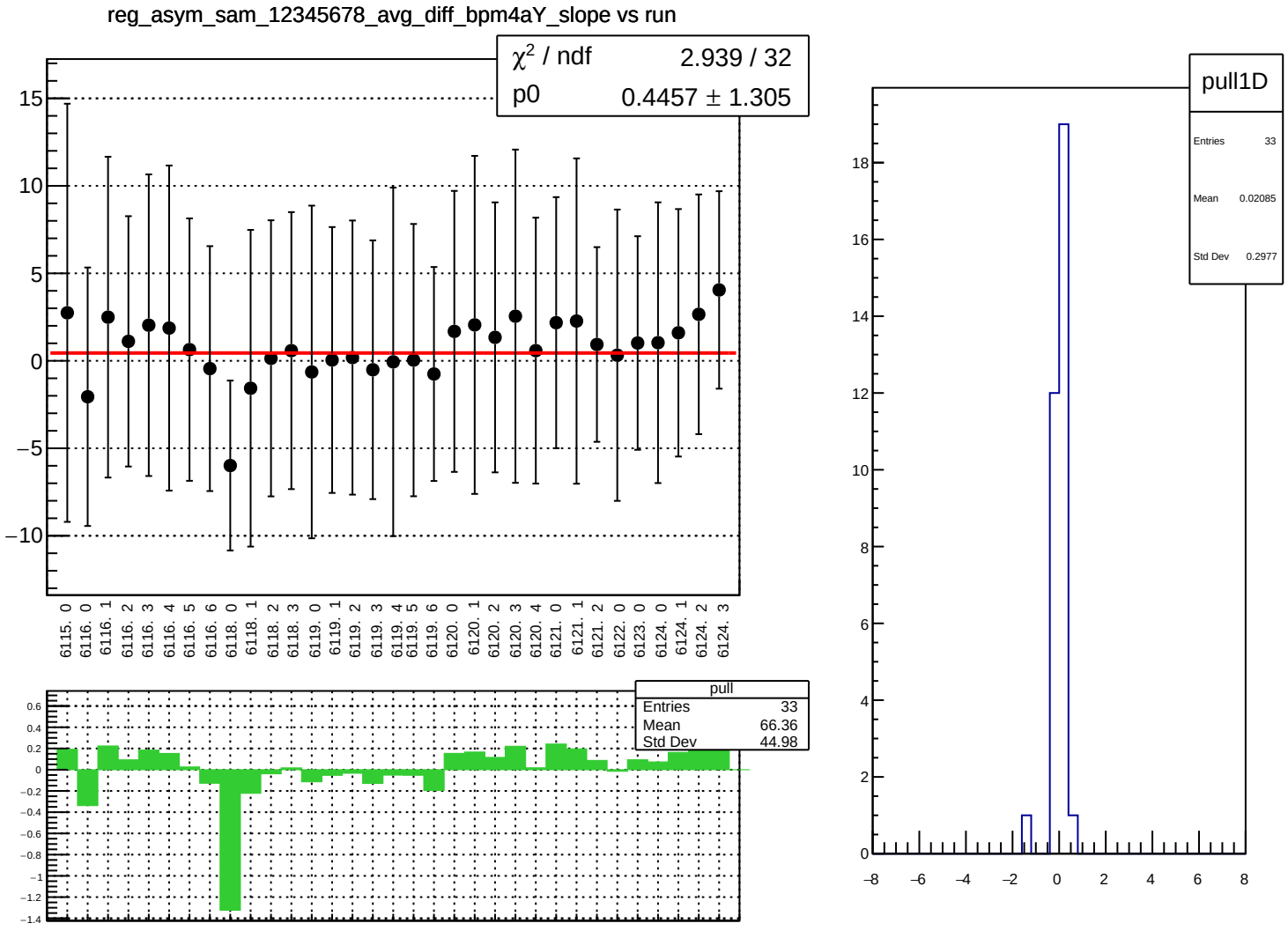

pull1D
Entries 33
Mean −0.0002608
Std Dev 0.1039

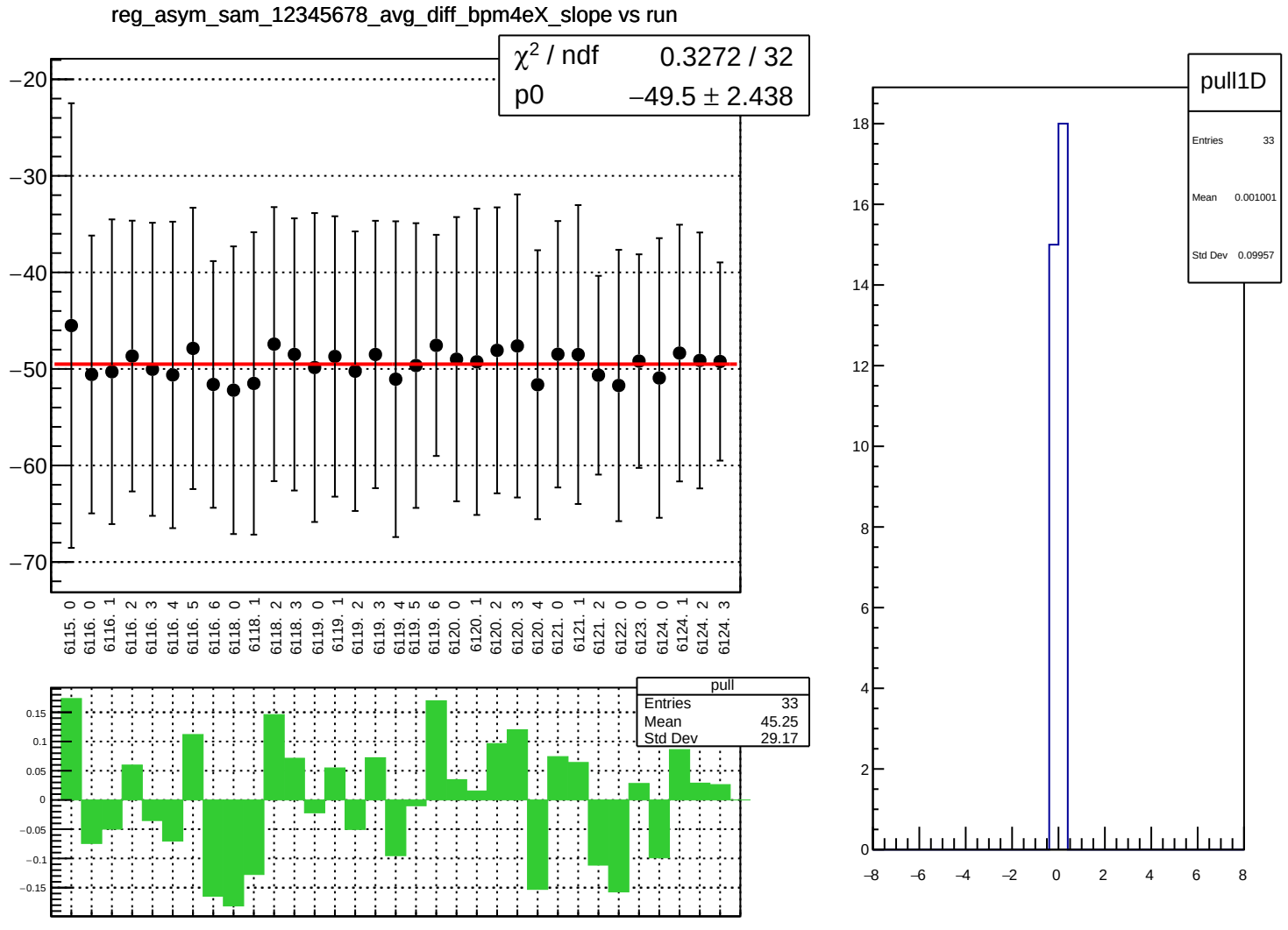

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.818 / 32
p0 −7.422 ± 0.5526
0
−2
−4
−6
−8
−10
−12
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 85.18
Std Dev 53.66
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

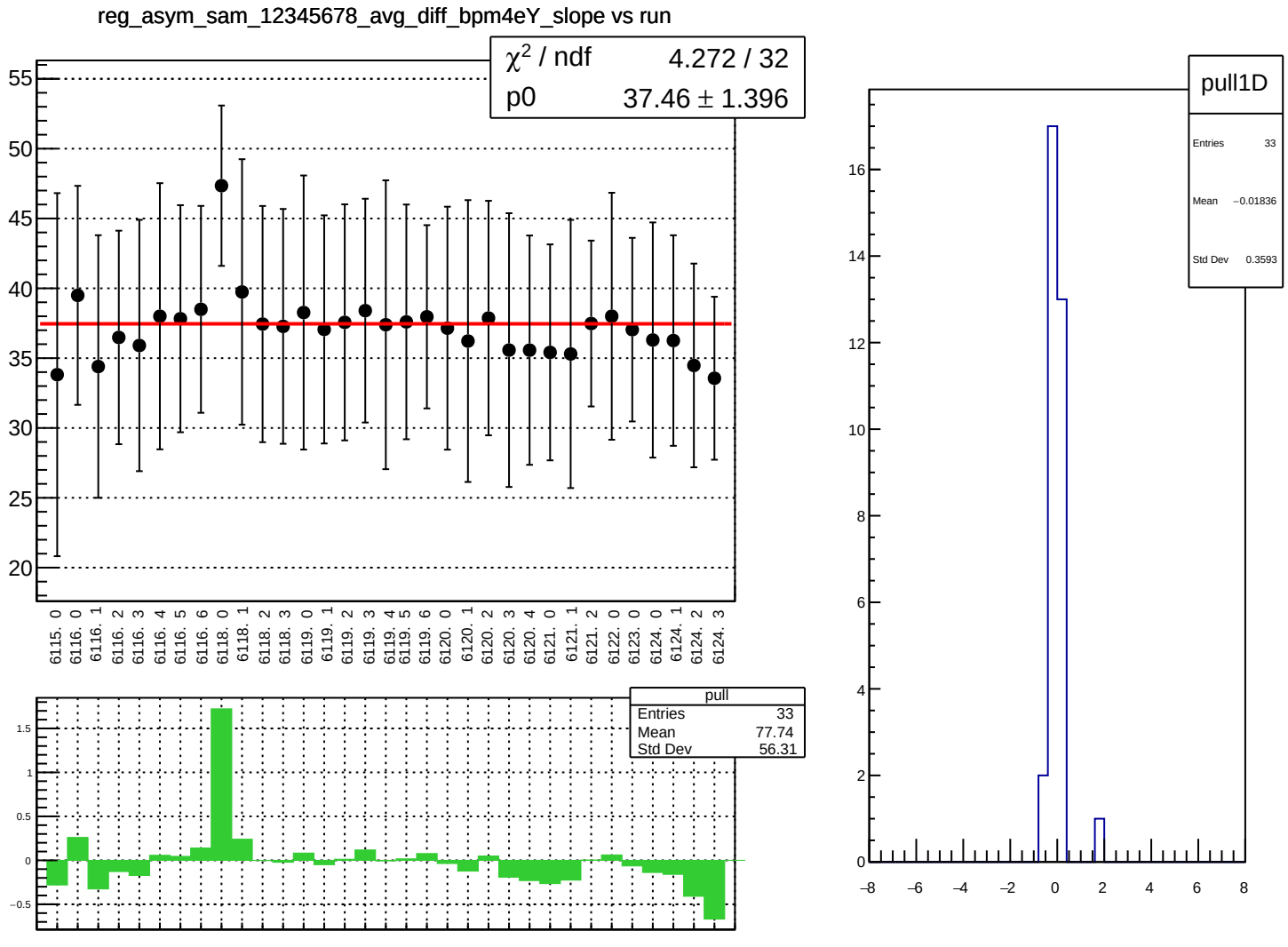

pull1D
Entries 33
Mean 0.005666
Std Dev 0.2347
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

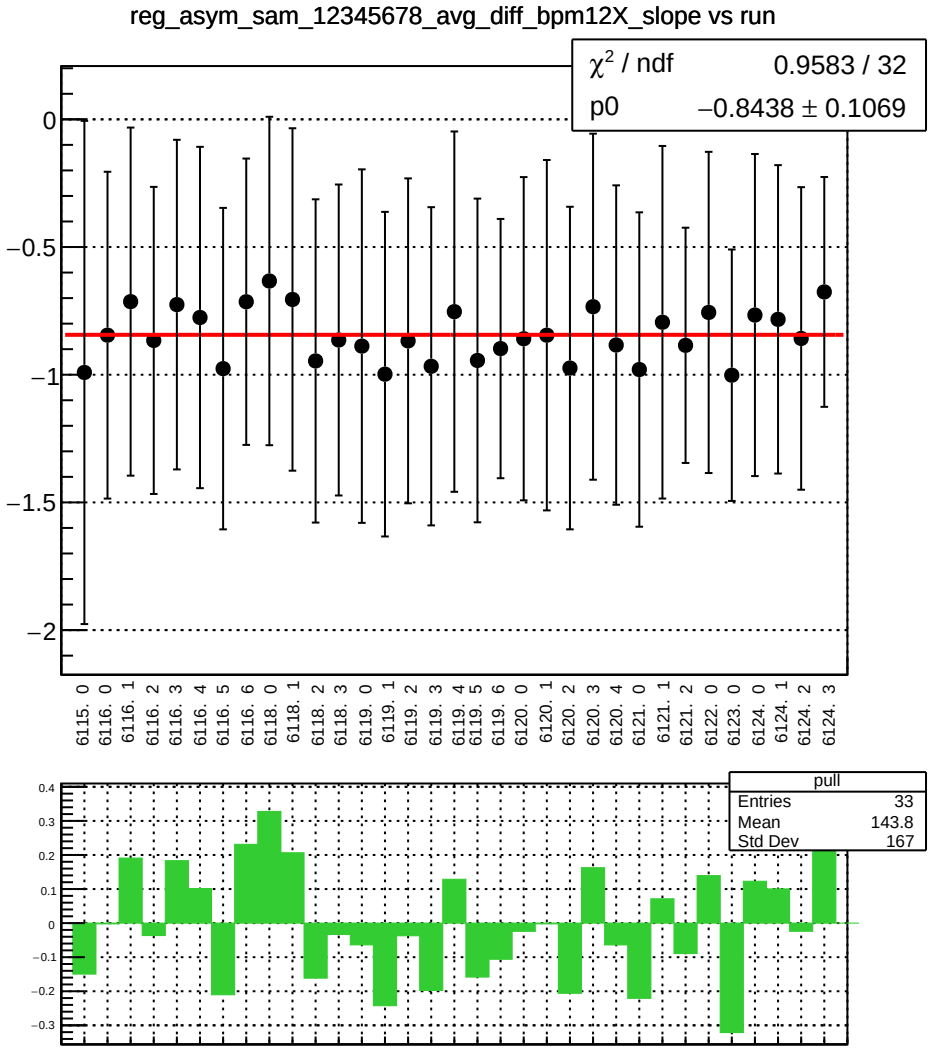

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 1.551 / 32
p0 0.3624 ± 0.04234
0.8
0.6
0.4
0.2
0
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 203.9
Std Dev 189.8
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
pull1D
Entries 33
Mean −0.001312
Std Dev 0.2168
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

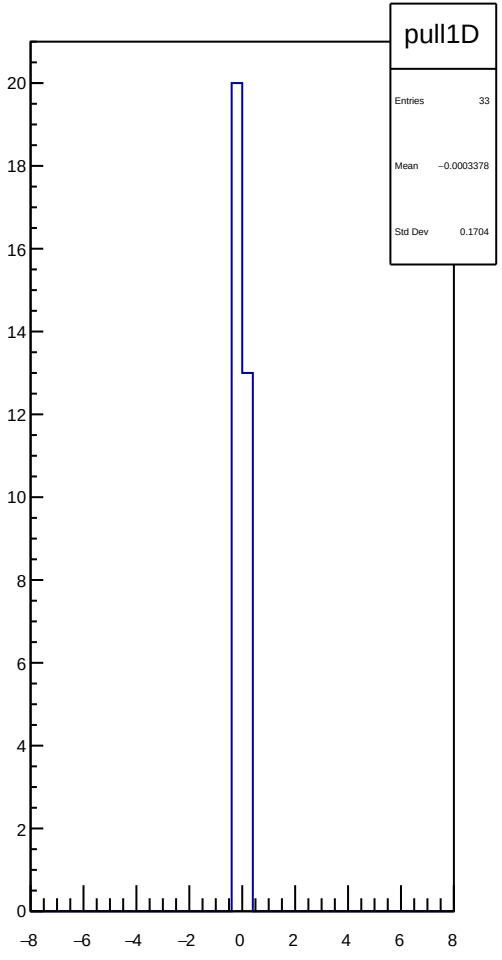

reg_asym_sam_12345678_avg_diff_bpm4aX_slope vs run
χ² / ndf 0.3289 / 32
p0 −18.6 ± 2.096
0
−5
−10
−15
−20
−25
−30
−35
−40
−45
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 85.52
Std Dev 63.59
0.3
0.2
0.1
0
−0.1
−0.2
pull1D
Entries 33
Mean −0.001224
Std Dev 0.09983
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

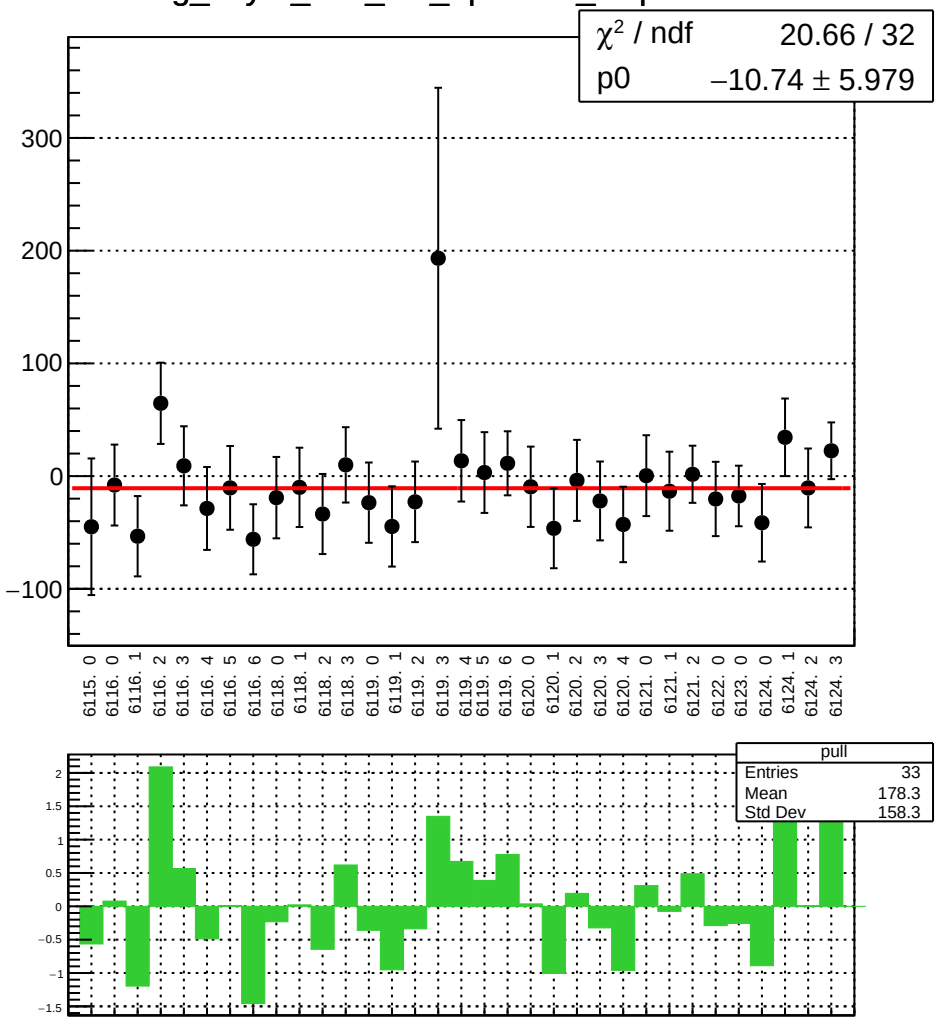

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.939 / 32
p0 0.4457 ± 1.305
15
10
5
0
−5
−10
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 66.36
Std Dev 44.98
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
pull1D
Entries 33
Mean 0.02085
Std Dev 0.2977
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

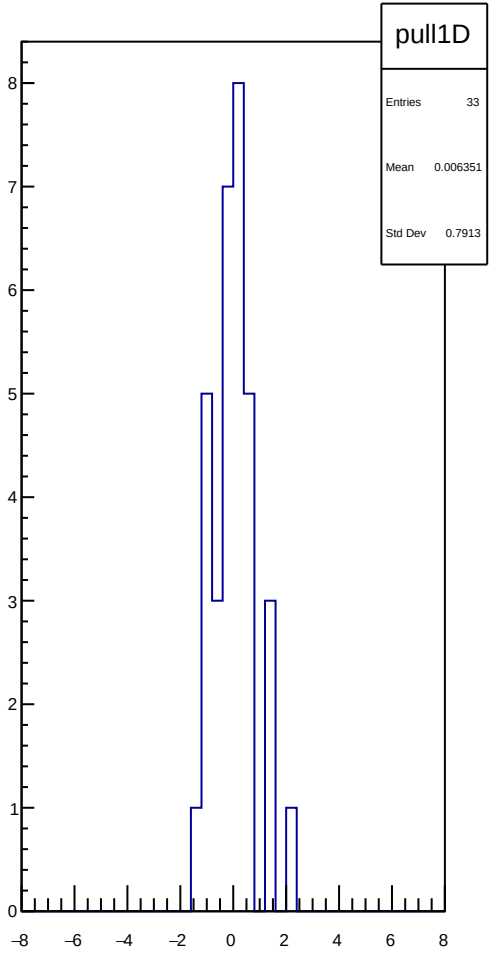

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 0.3272 / 32
p0 −49.5 ± 2.438
−20
−30
−40
−50
−60
−70
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 45.25
Std Dev 29.17
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
pull1D
Entries 33
Mean 0.001001
Std Dev 0.09957
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

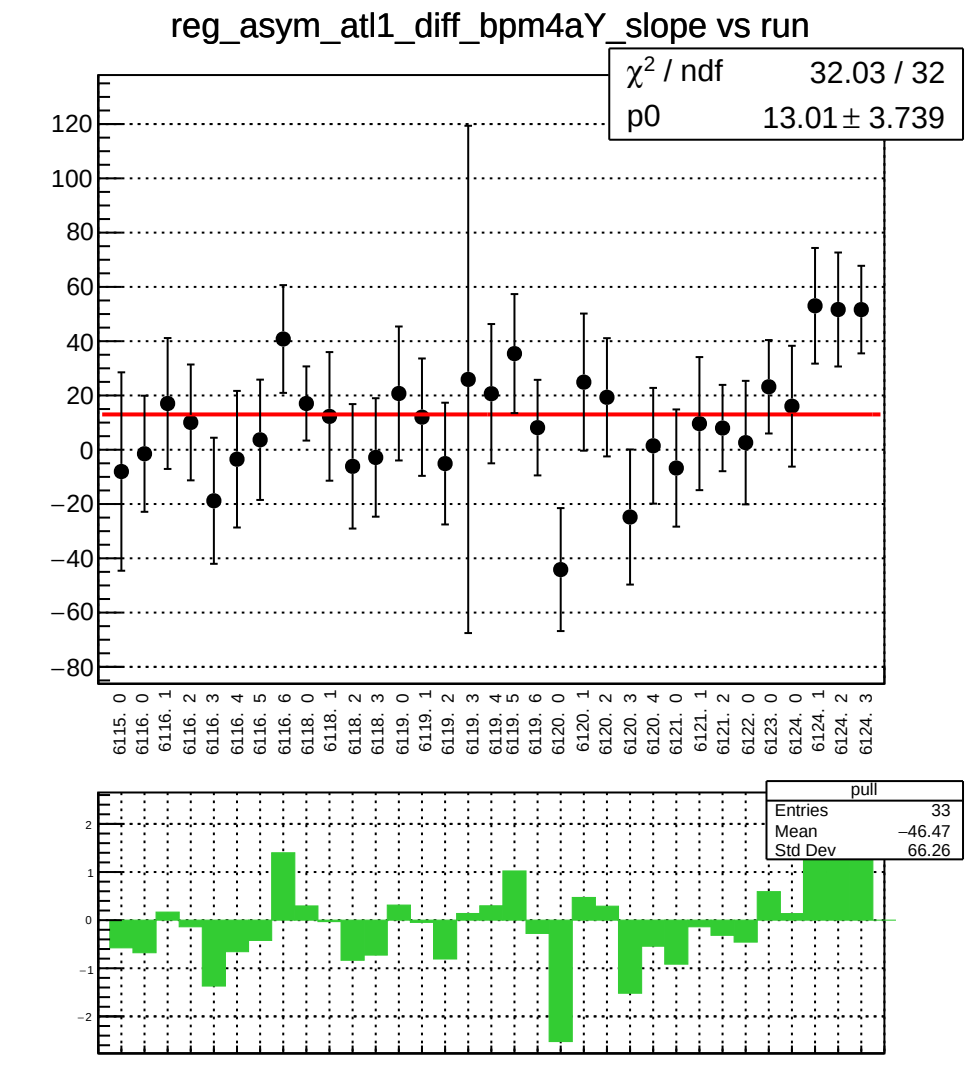

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.272 / 32
p0 37.46 ± 1.396
55
50
45
40
35
30
25
20
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 77.74
Std Dev 56.31
1.5
1
0.5
0
−0.5
pull1D
Entries 33
Mean −0.01836
Std Dev 0.3593
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

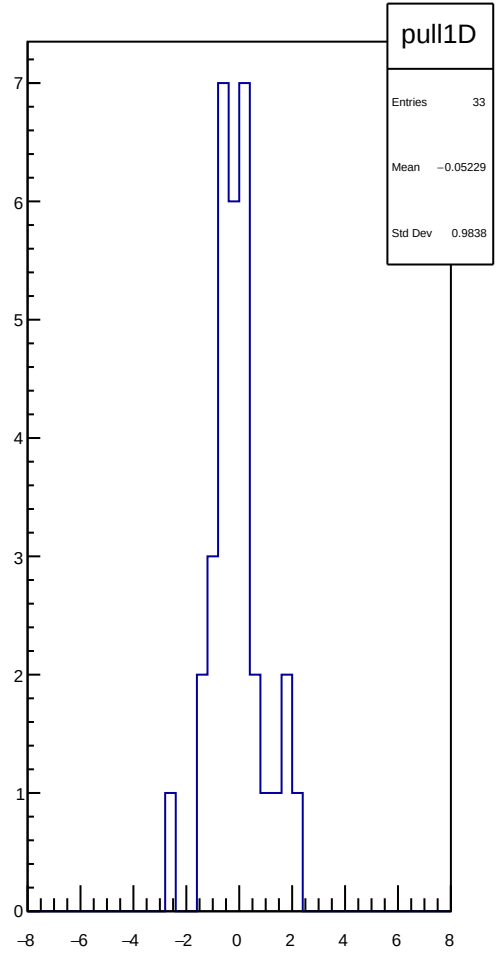

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 0.9583 / 32
p0 −0.8438 ± 0.1069
pull
Entries 33
Mean 143.8
Std Dev 167

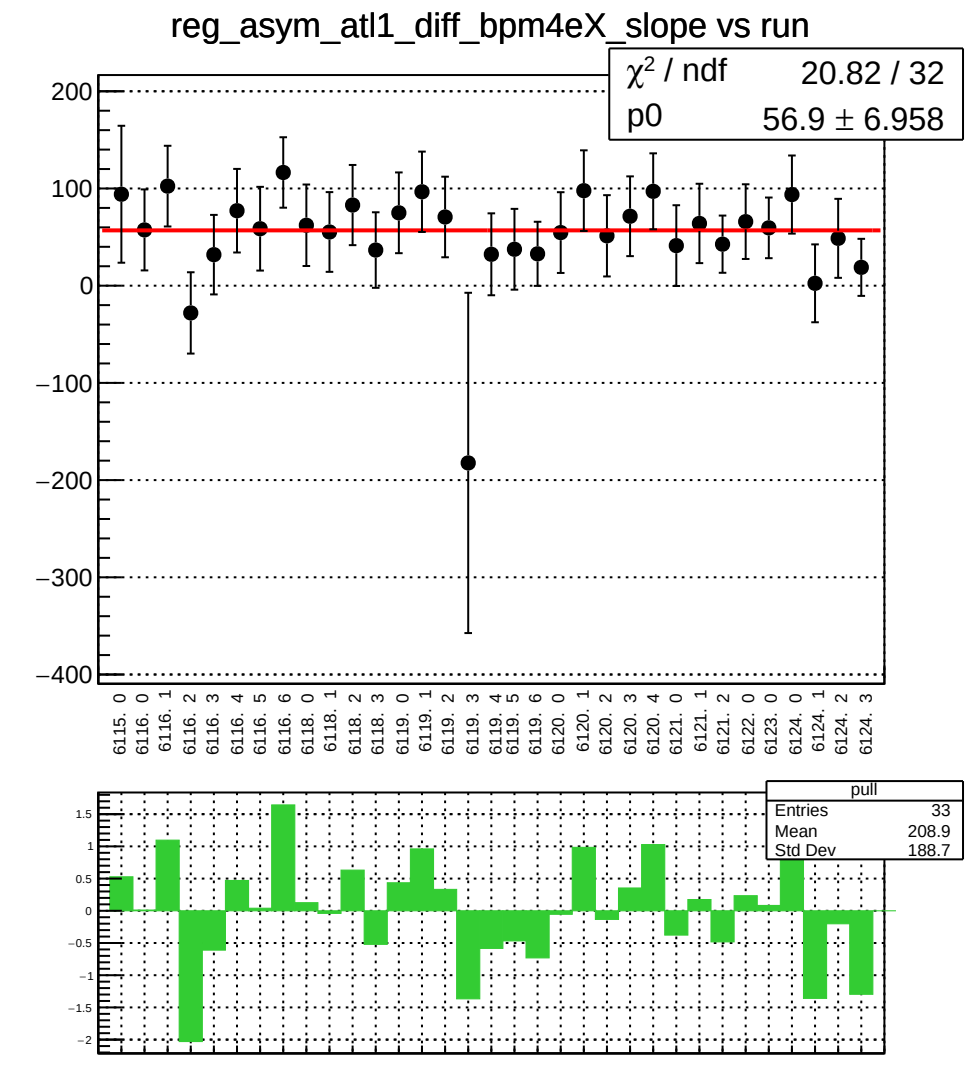

pull1D
Entries 33
Mean −0.0003378
Std Dev 0.1704

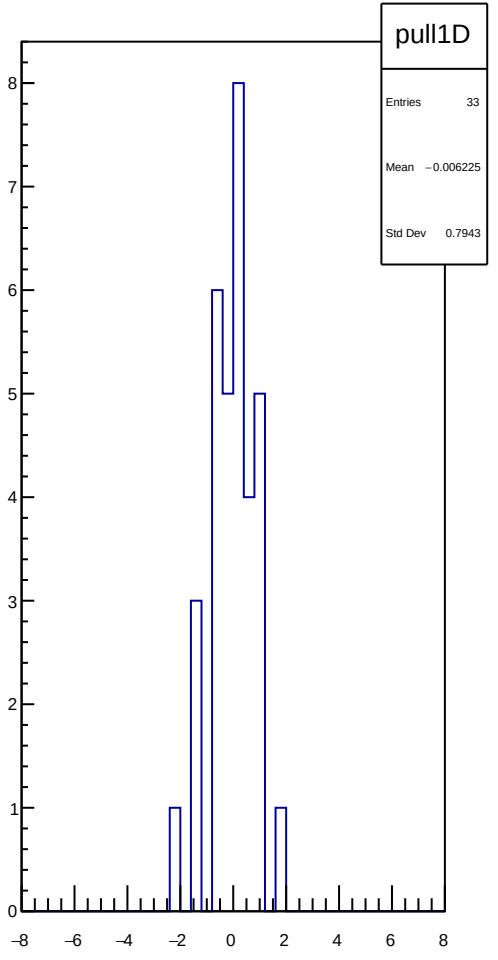

reg_asym_atl1_diff_bpm4aX_slope vs run
χ² / ndf 20.66 / 32
p0 −10.74 ± 5.979
300
200
100
0
−100
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 178.3
Std Dev 158.3
2
1.5
1
0.5
0
−0.5
−1
−1.5

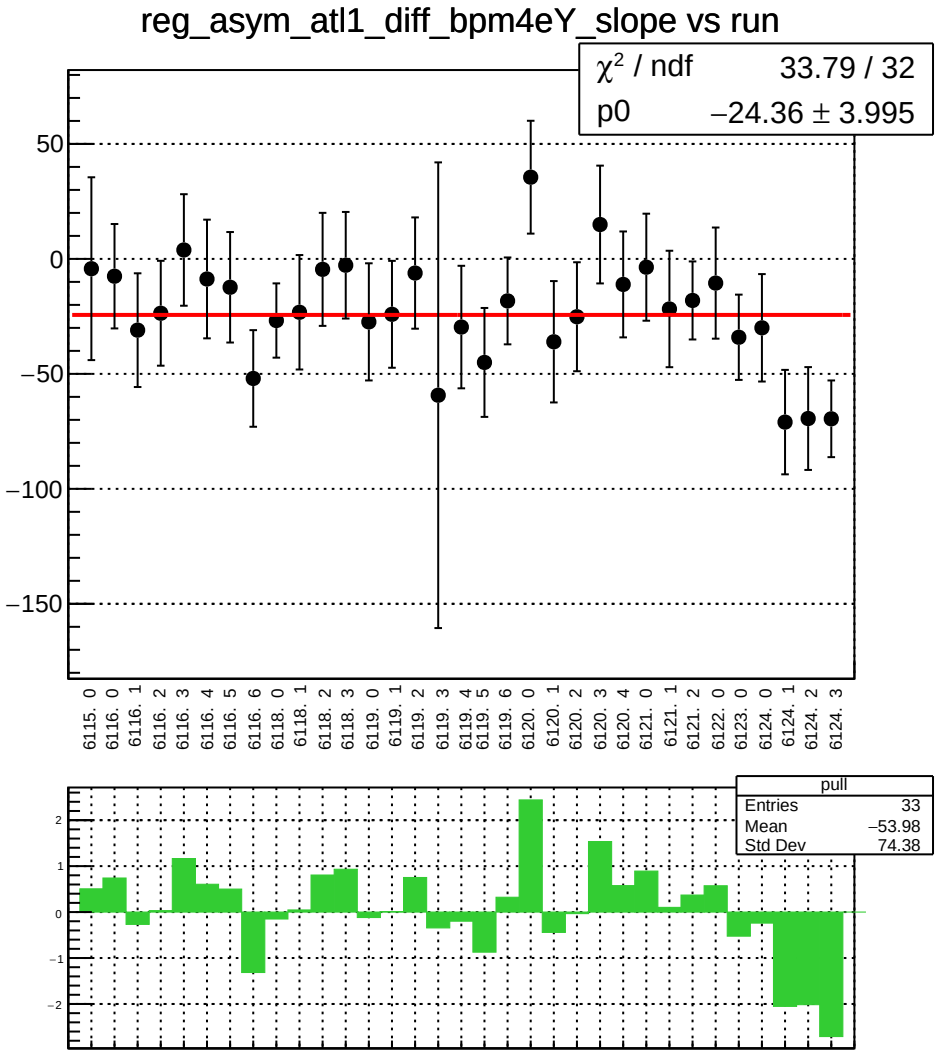

pull1D
Entries 33
Mean 0.006351
Std Dev 0.7913
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

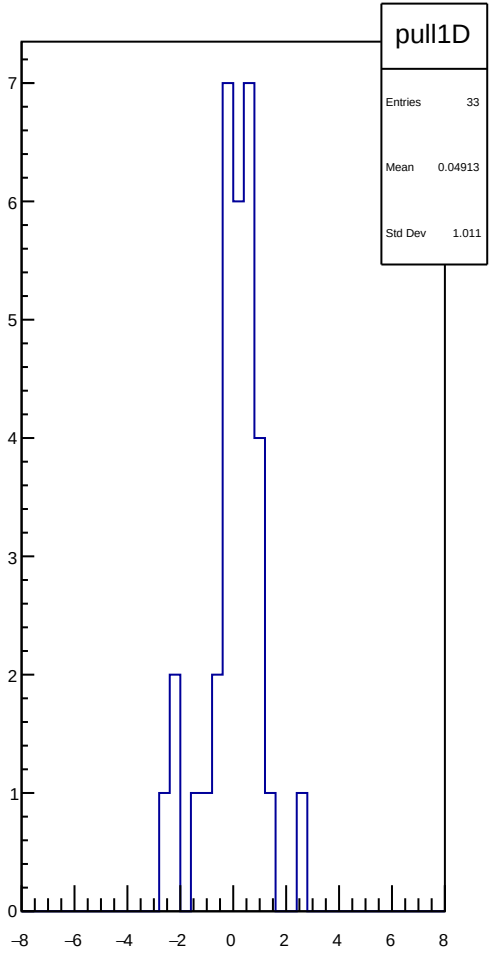

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 32.03 / 32
p0 13.01 ± 3.739
pull
Entries 33
Mean −46.47
Std Dev 66.26

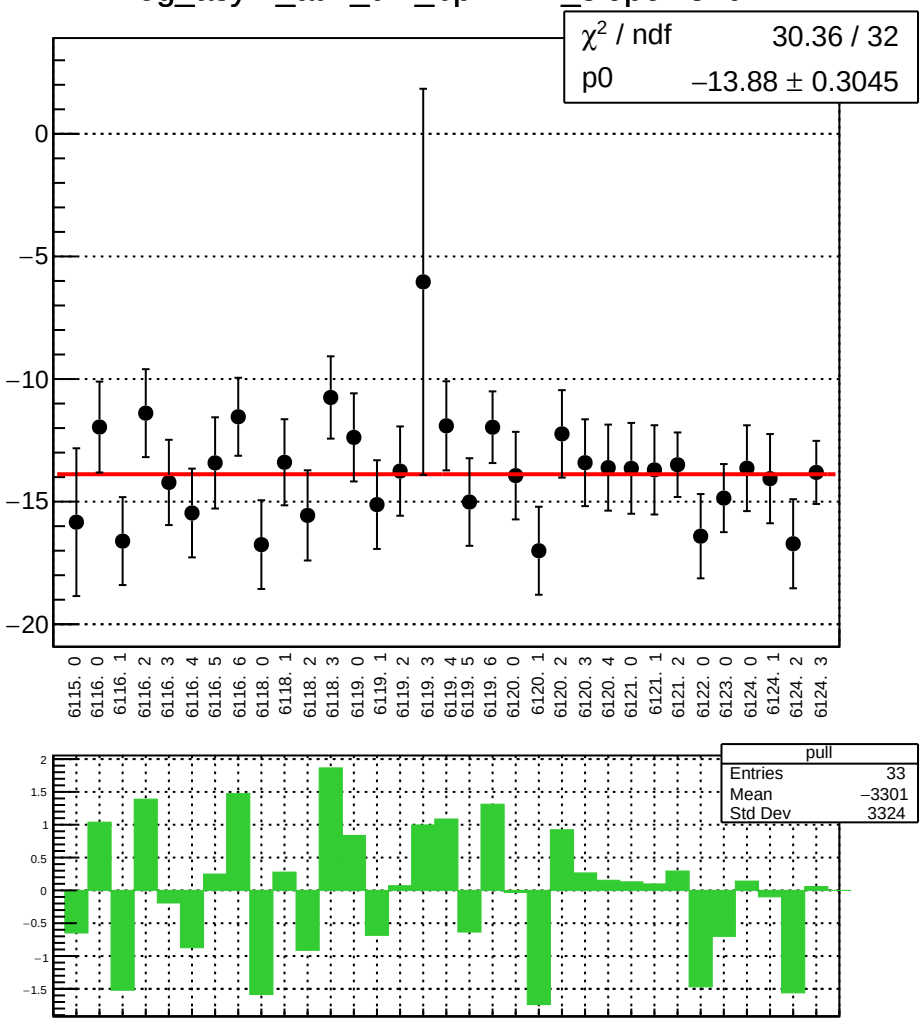

pull1D
Entries 33
Mean −0.05229
Std Dev 0.9838

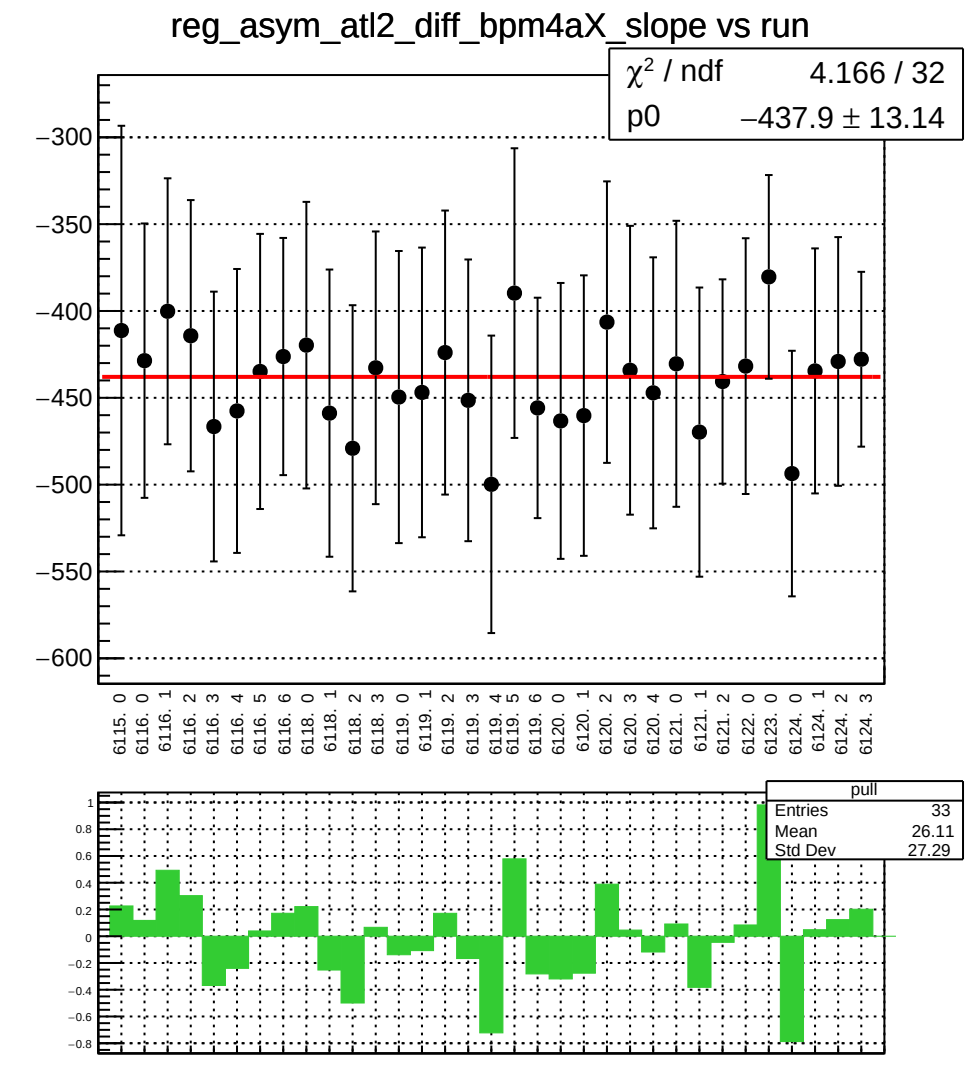

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 20.82 / 32
p0 56.9 ± 6.958
200
100
0
−100
−200
−300
−400
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 208.9
Std Dev 188.7
1.5
1
0.5
0
−0.5
−1
−1.5
−2

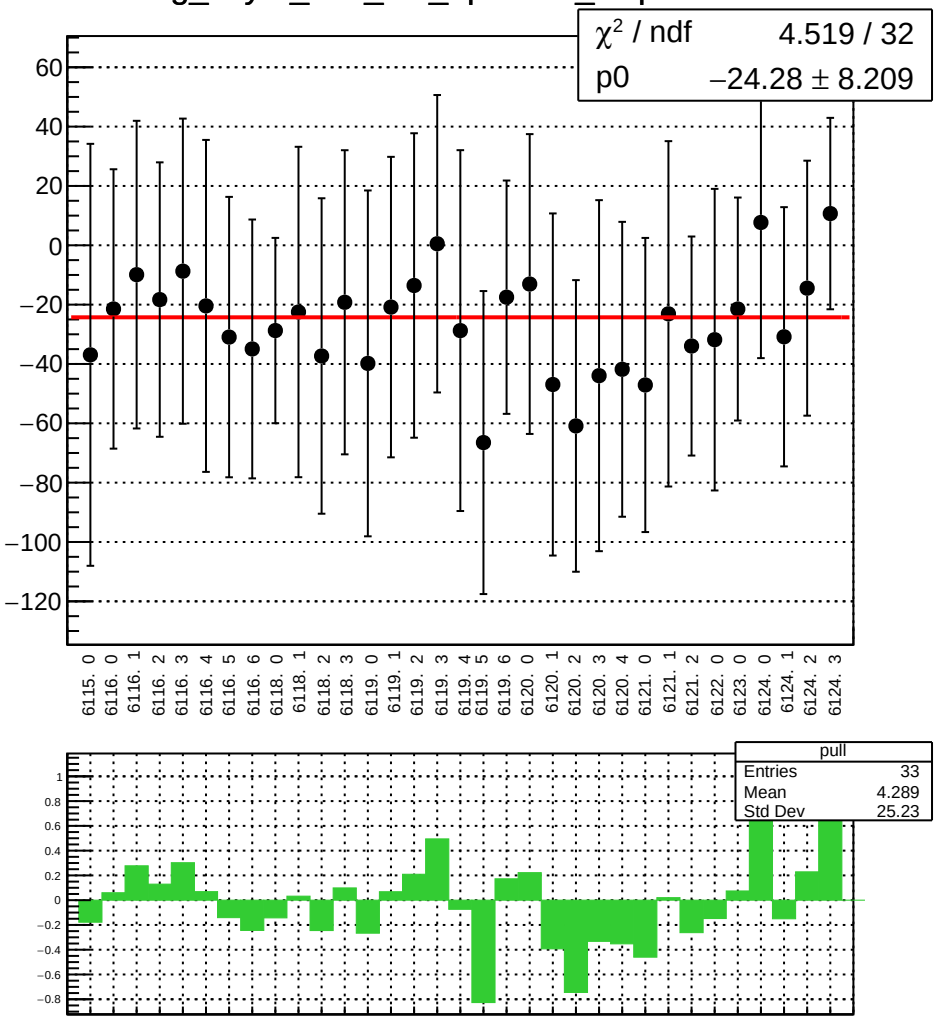

pull1D
Entries 33
Mean −0.006225
Std Dev 0.7943
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

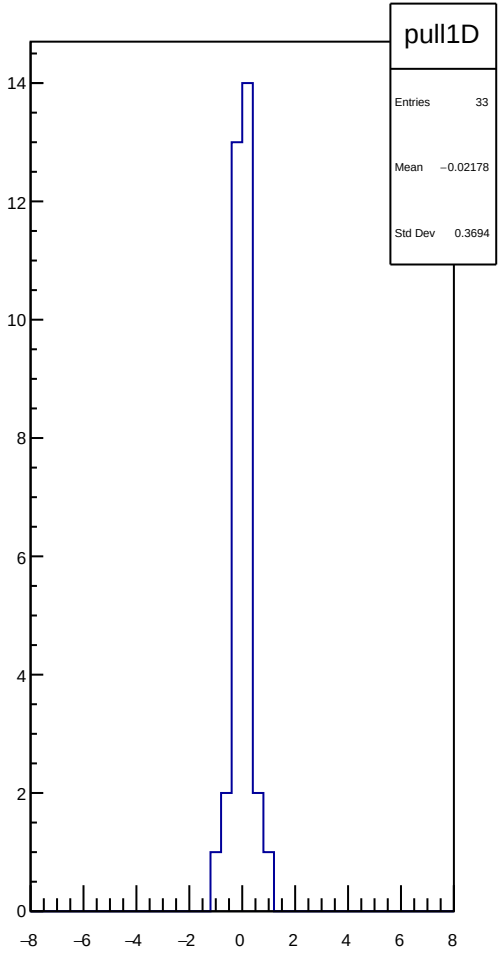

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 33.79 / 32
p0 −24.36 ± 3.995
50
0
−50
−100
−150
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −53.98
Std Dev 74.38
2
1
0
−1
−2

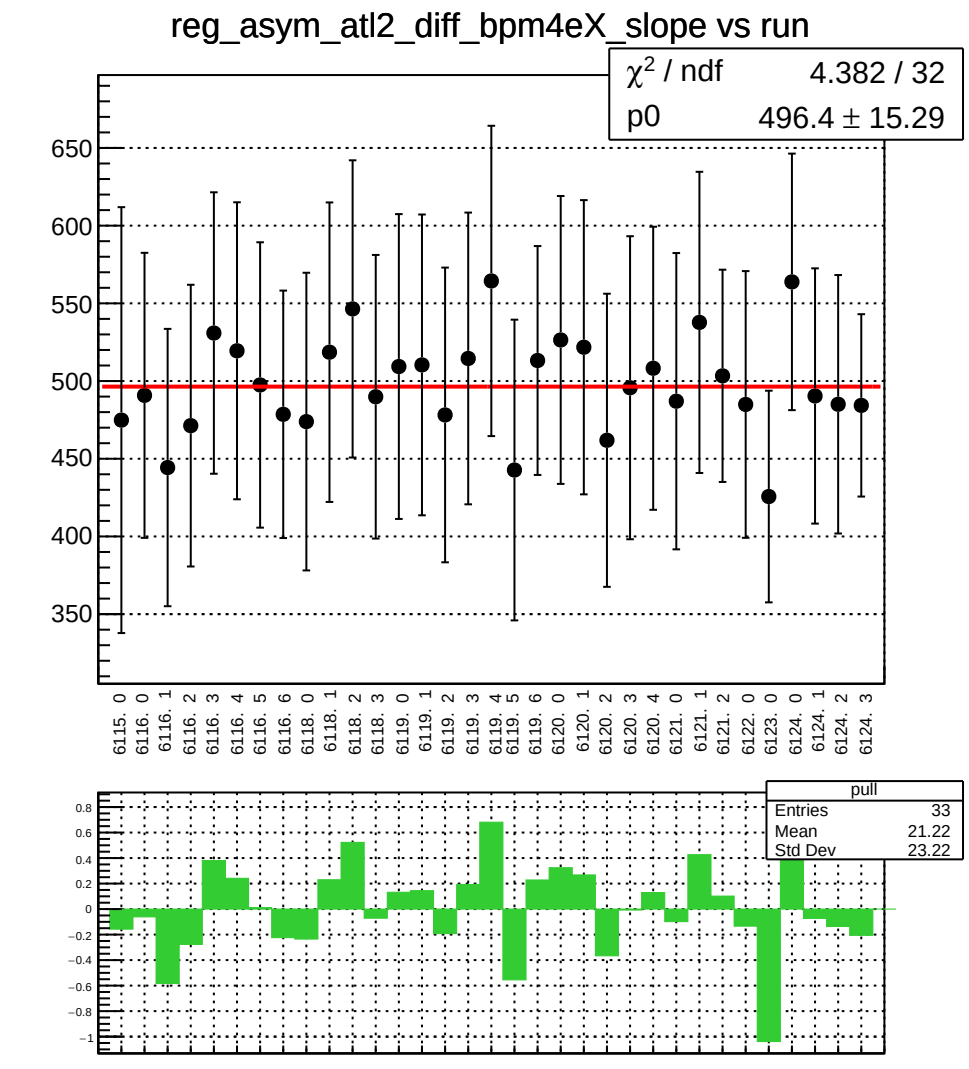

pull1D
Entries 33
Mean 0.04913
Std Dev 1.011
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

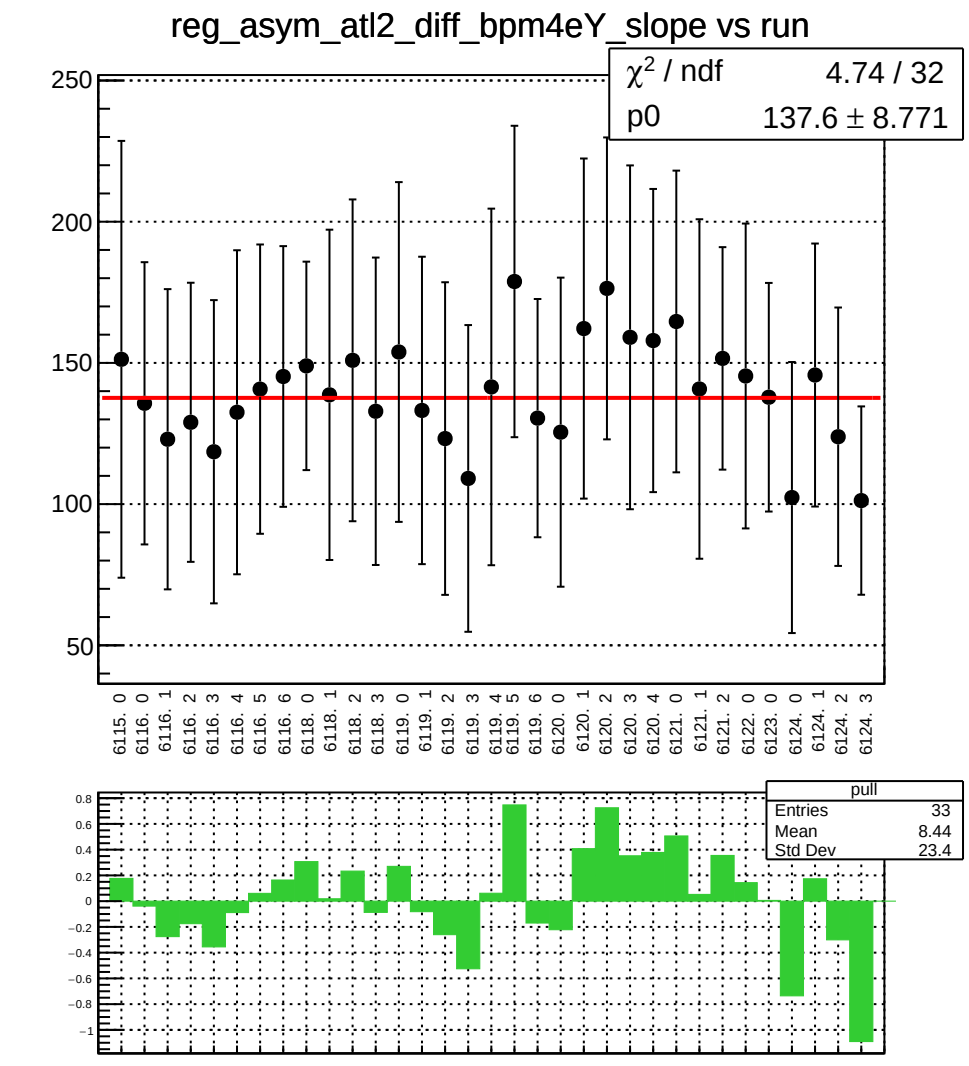

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 30.36 / 32
p0 −13.88 ± 0.3045
0
−5
−10
−15
−20
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −3301
Std Dev 3324
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.0003733
Std Dev 0.9592
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

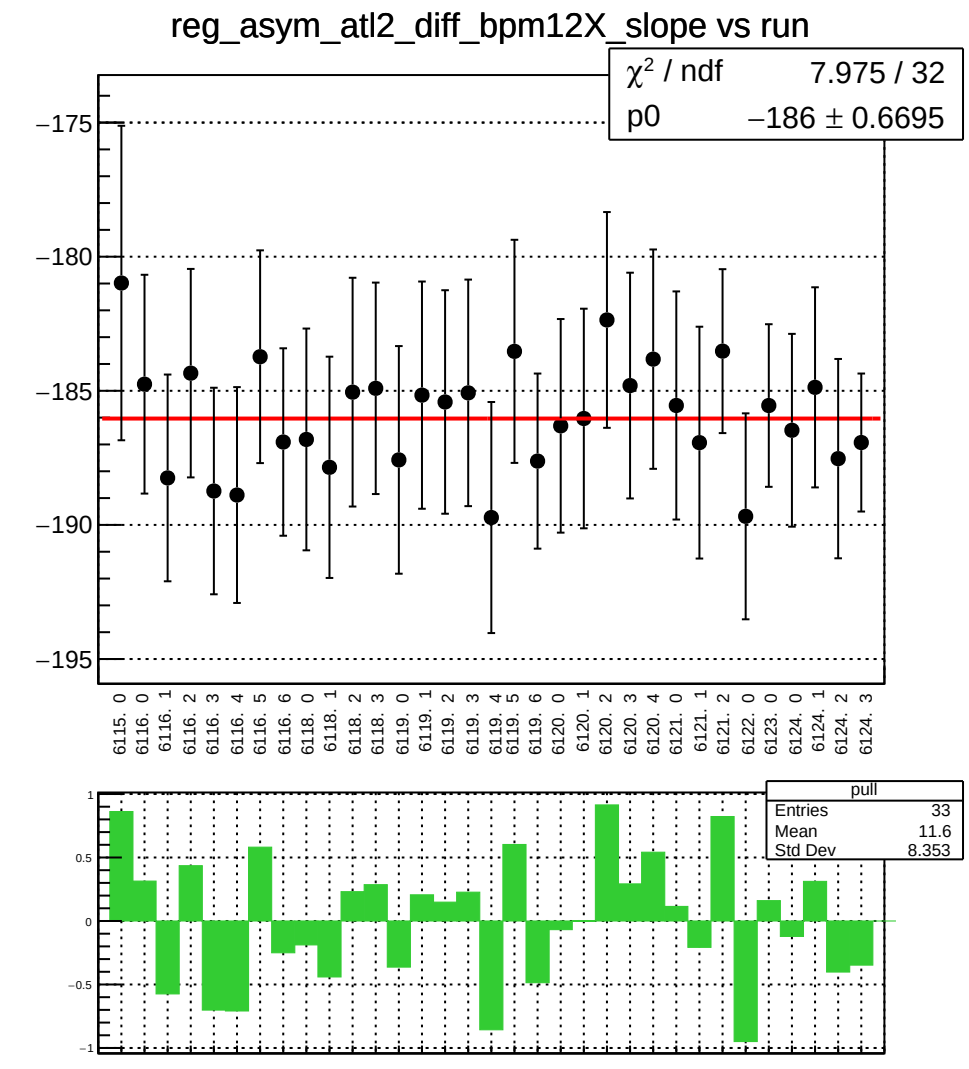

reg_asym_atl2_diff_bpm4aX_slope vs run
χ² / ndf 4.166 / 32
p0 −437.9 ± 13.14
−300
−350
−400
−450
−500
−550
−600
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 26.11
Std Dev 27.29
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 33
Mean −0.01053
Std Dev 0.3551
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

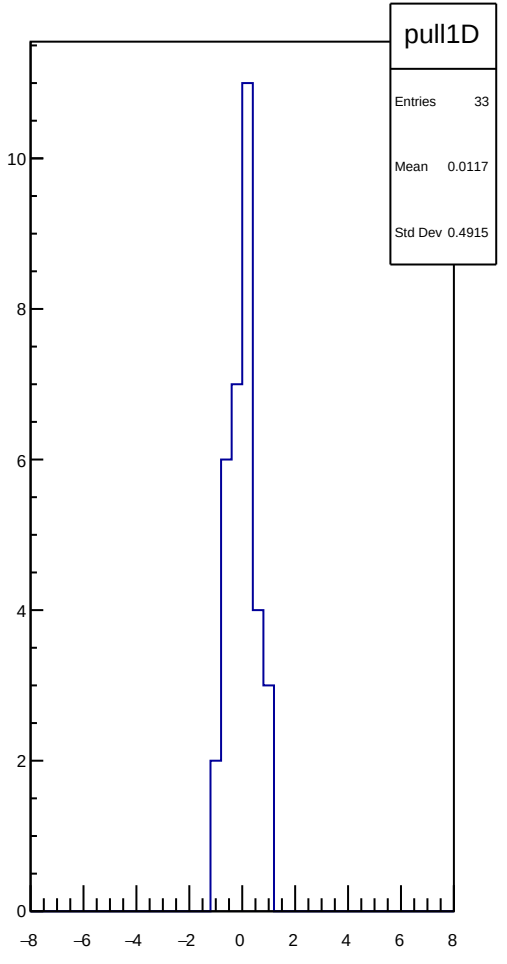

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 4.519 / 32
p0 −24.28 ± 8.209
pull
Entries 33
Mean 4.289
Std Dev 25.23

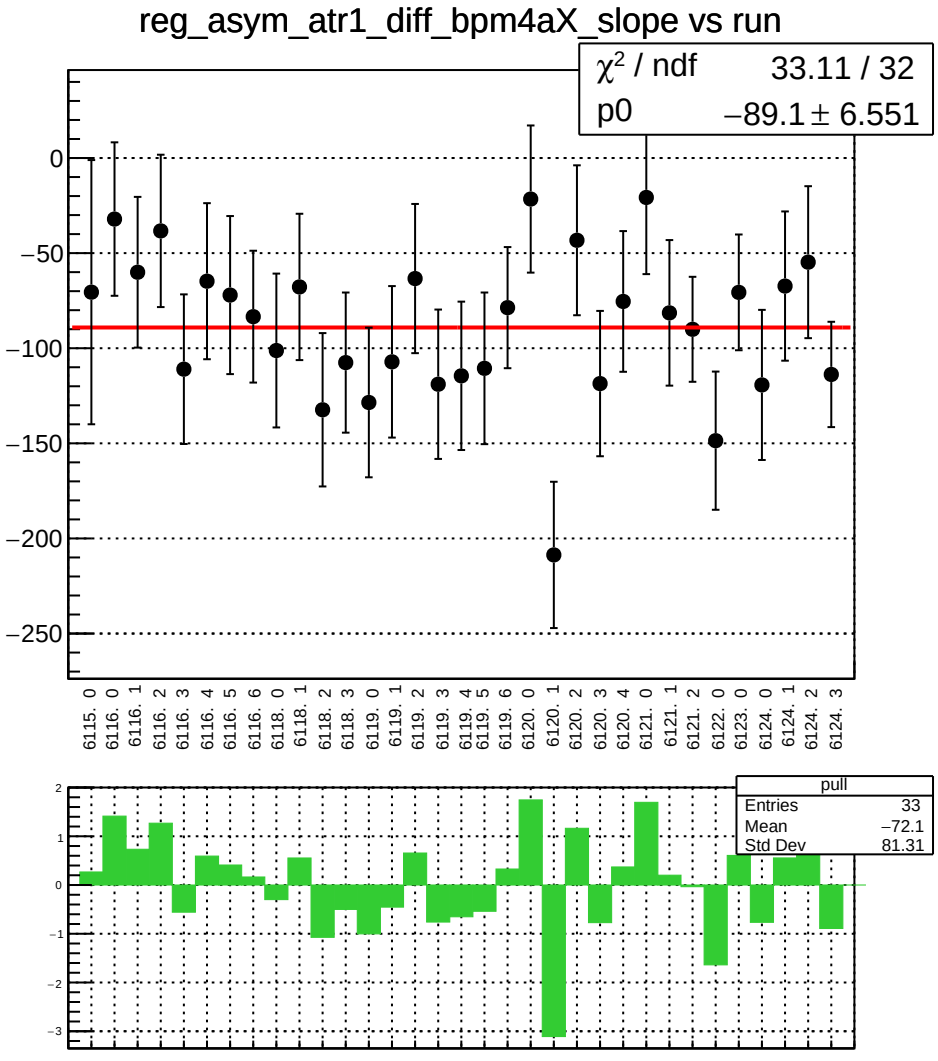

pull1D
Entries 33
Mean −0.02178
Std Dev 0.3694

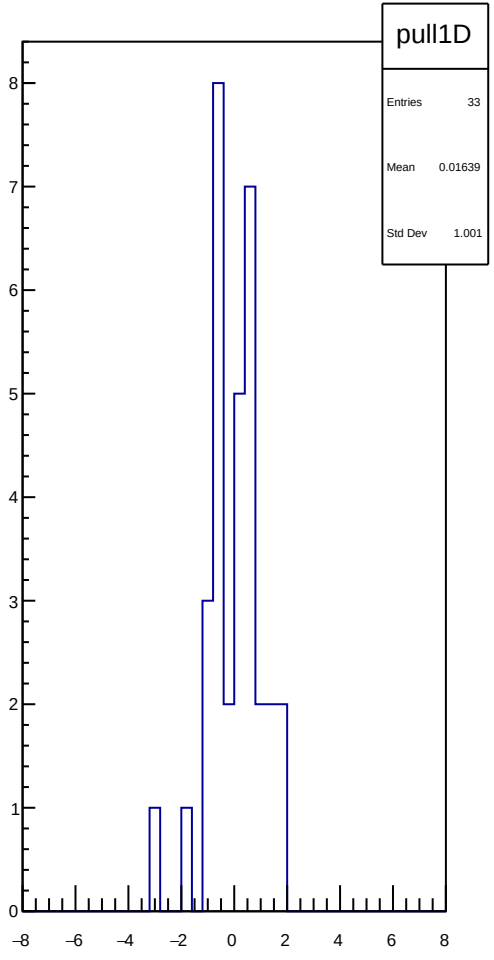

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 4.382 / 32
p0 496.4 ± 15.29
650
600
550
500
450
400
350
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 21.22
Std Dev 23.22
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 33
Mean 0.01259
Std Dev 0.3642
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

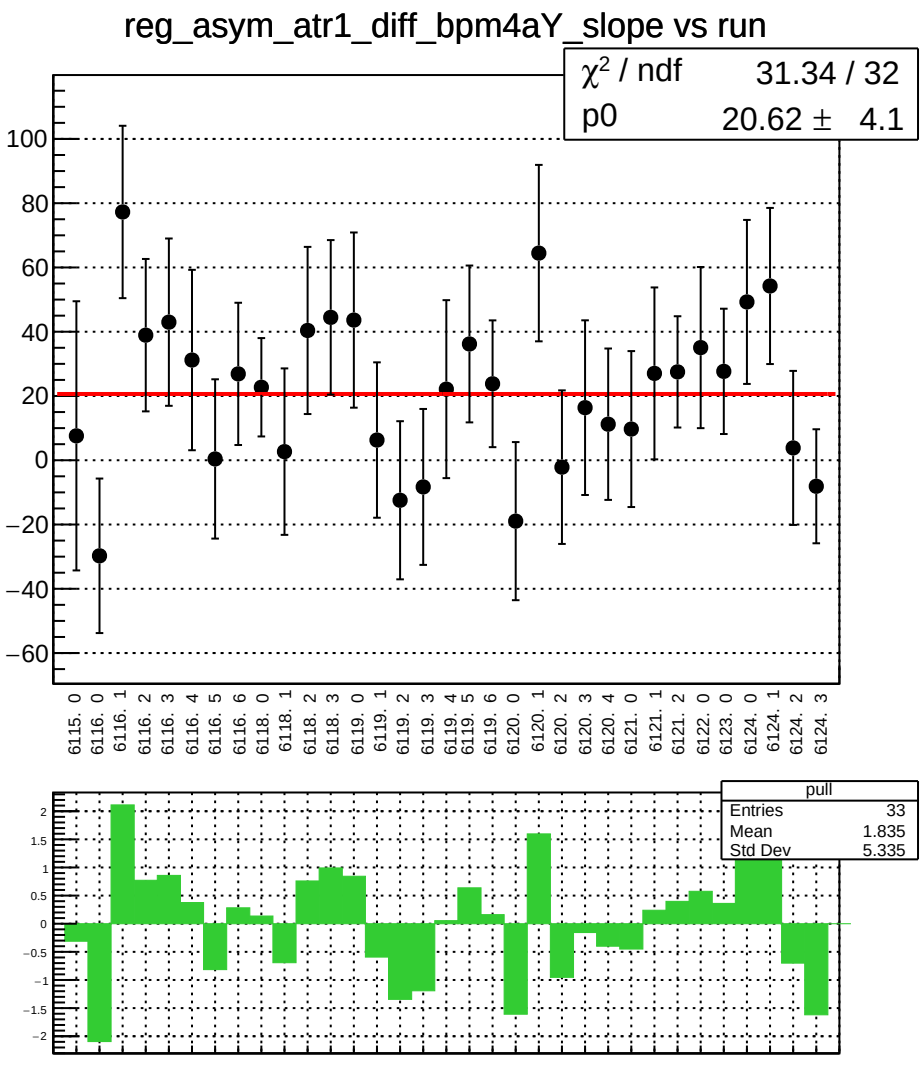

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 4.74 / 32
p0 137.6 ± 8.771
250
200
150
100
50
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 8.44
Std Dev 23.4
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 33
Mean 0.0222
Std Dev 0.3783
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

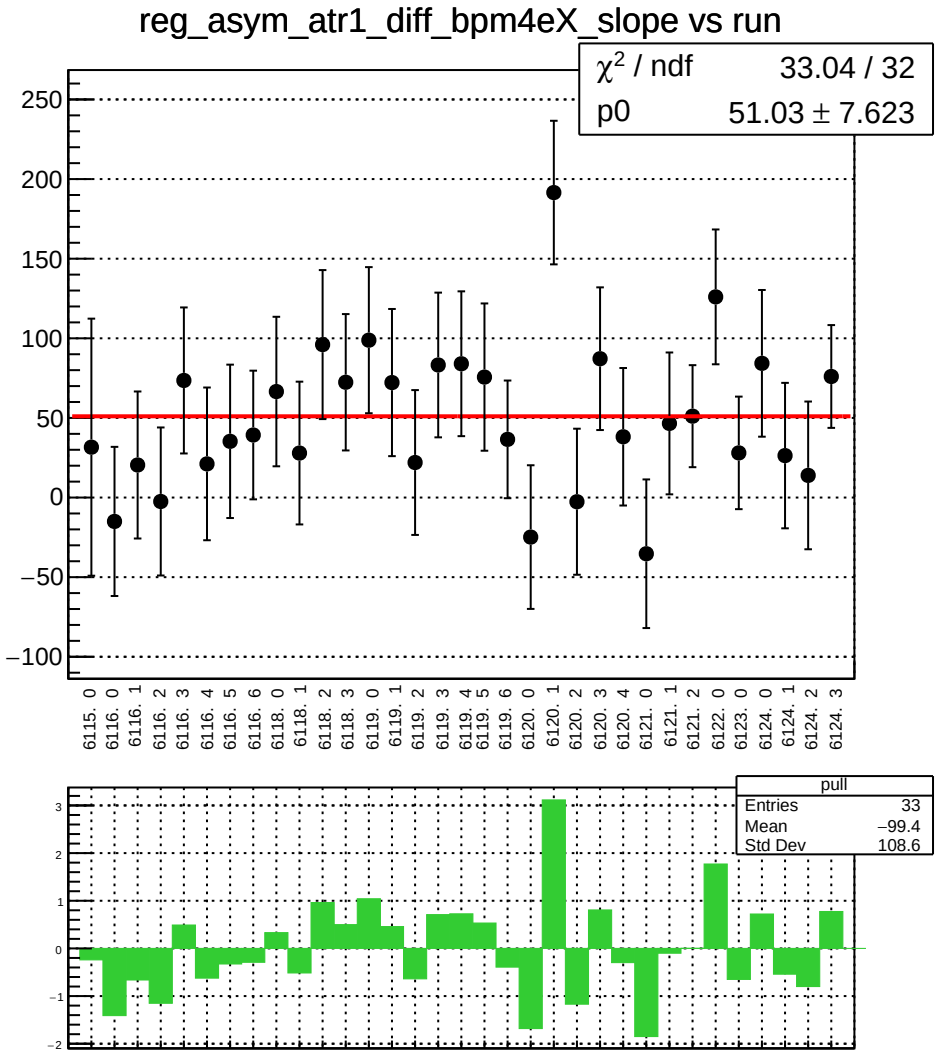

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 7.975 / 32
p0 −186 ± 0.6695
−175
−180
−185
−190
−195
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 11.6
Std Dev 8.353
1
0.5
0
−0.5
−1

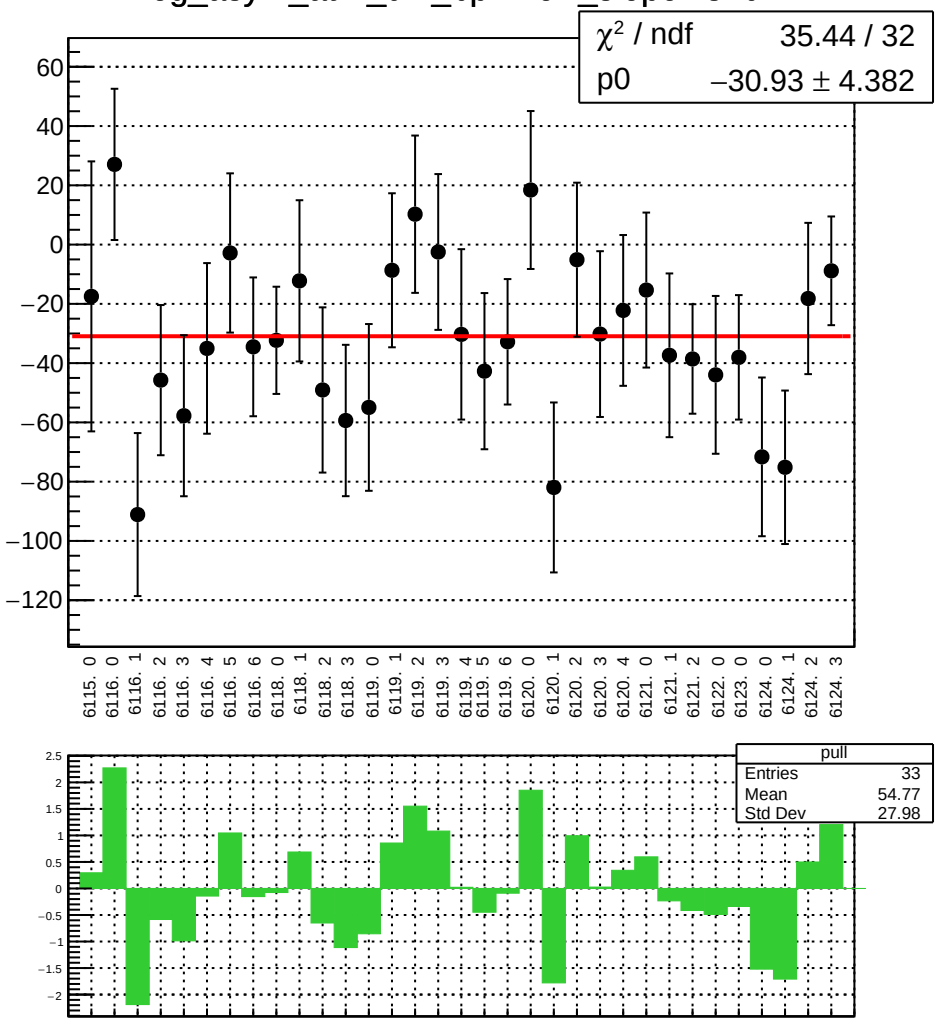

pull1D
Entries 33
Mean 0.0117
Std Dev 0.4915
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

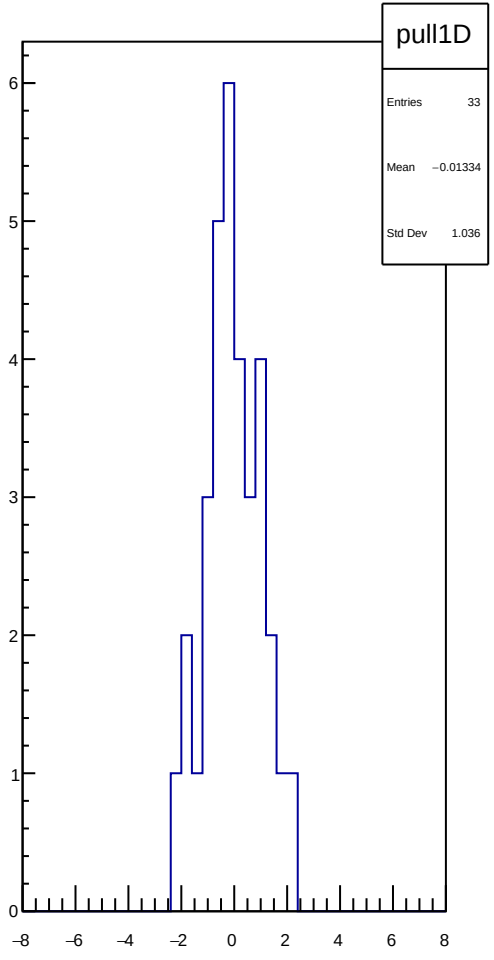

reg_asym_atr1_diff_bpm4aX_slope vs run
χ² / ndf 33.11 / 32
p0 −89.1 ± 6.551
0
−50
−100
−150
−200
−250
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −72.1
Std Dev 81.31
2
1
0
−1
−2
−3

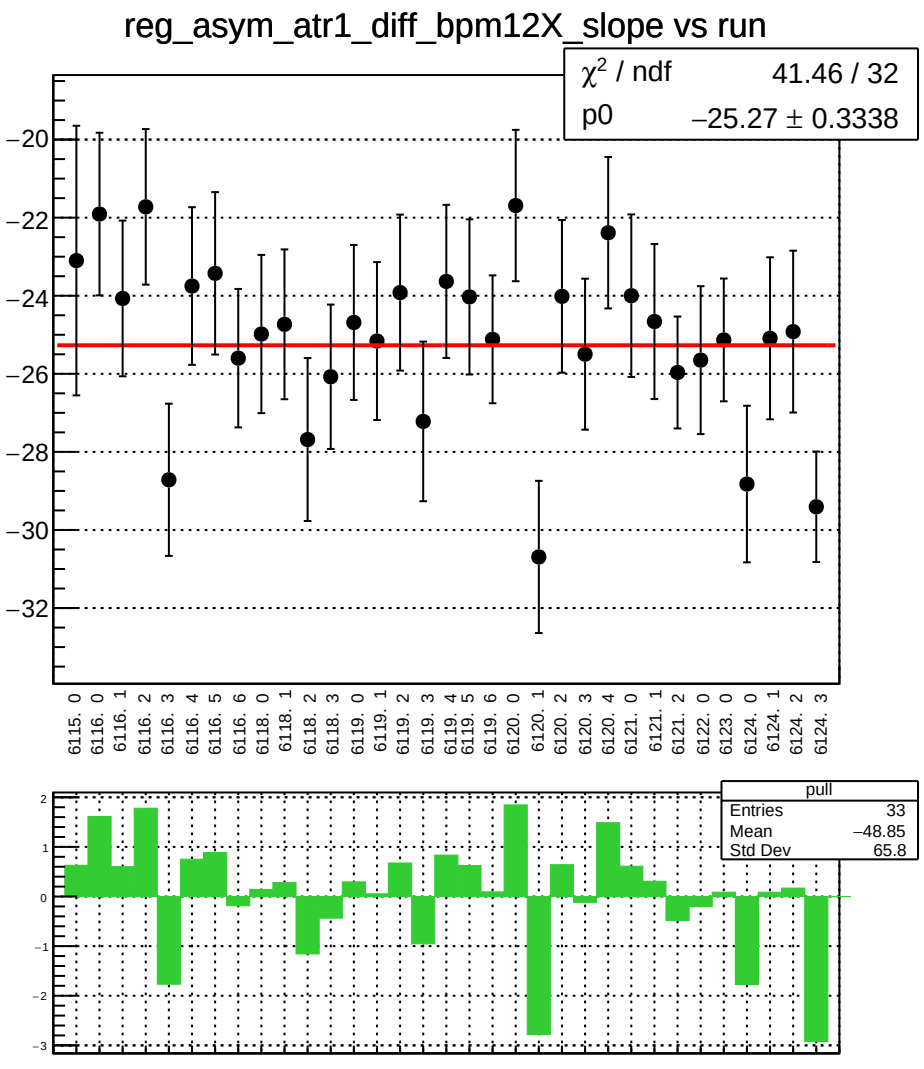

pull1D
Entries 33
Mean 0.01639
Std Dev 1.001
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

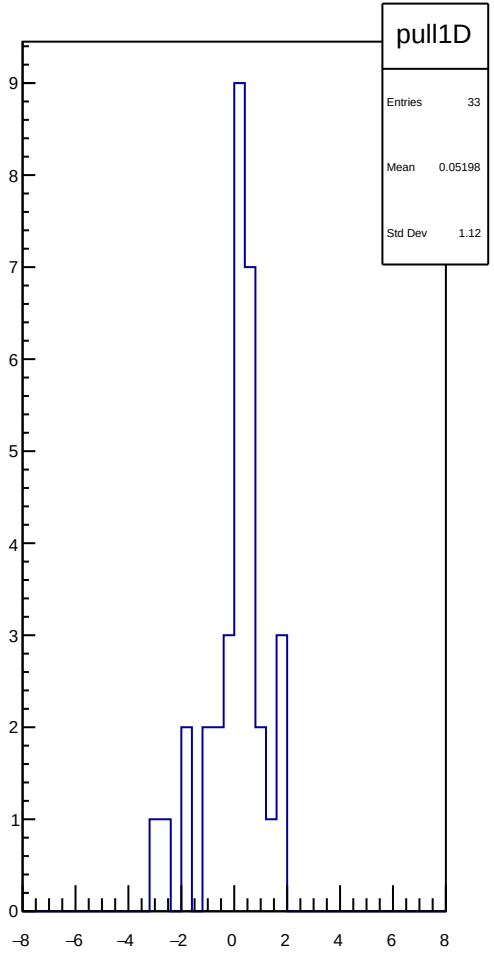

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 31.34 / 32
p0 20.62 ± 4.1
100
80
60
40
20
0
−20
−40
−60
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 1.835
Std Dev 5.335
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.02219
Std Dev 0.9743
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

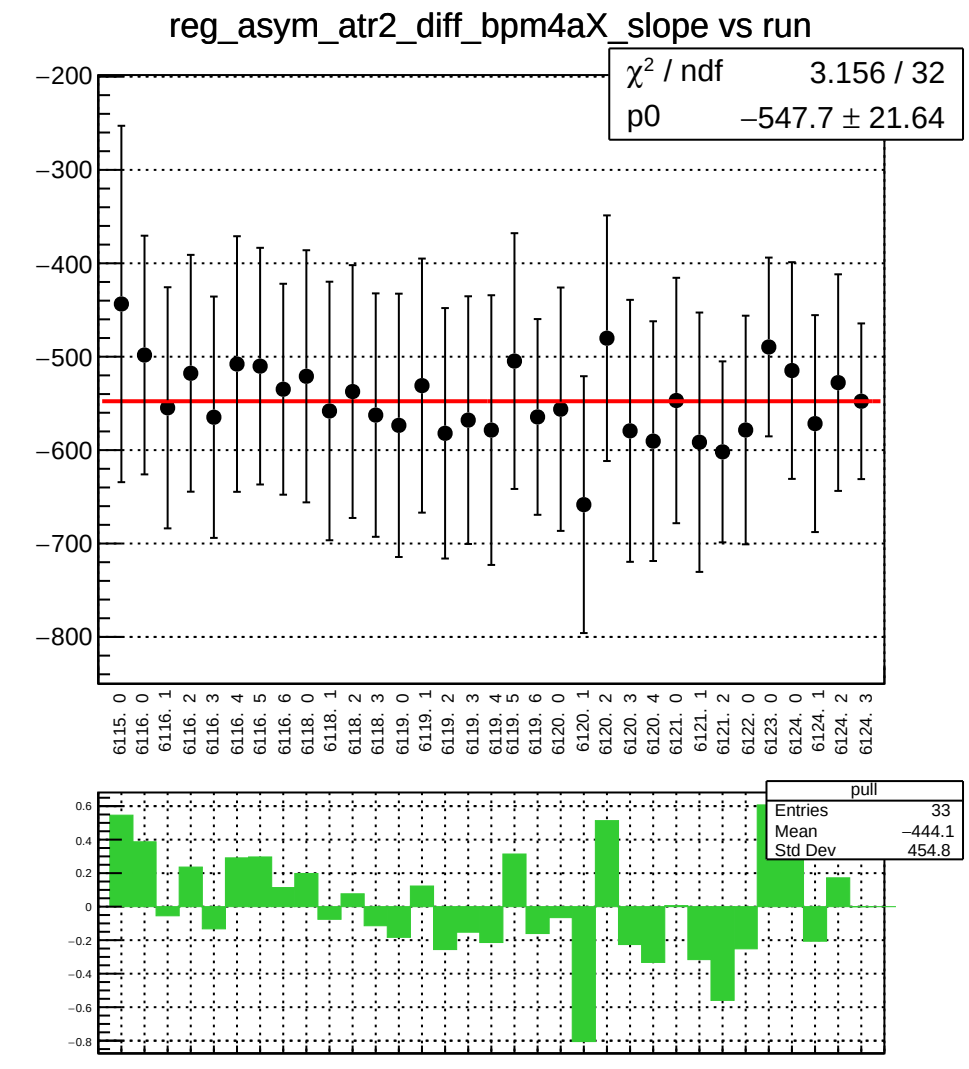

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 33.04 / 32
p0 51.03 ± 7.623
250
200
150
100
50
0
−50
−100
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −99.4
Std Dev 108.6
3
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.01205
Std Dev 1.001
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

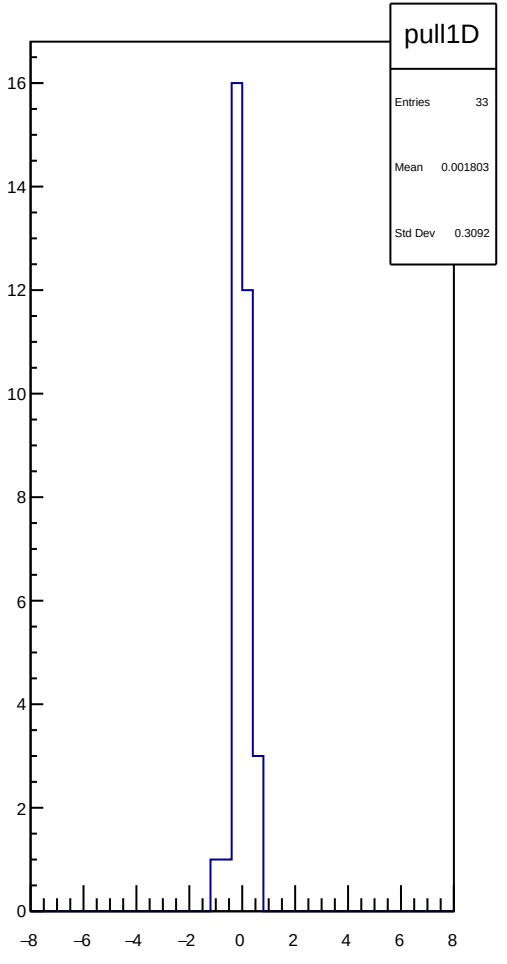

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 35.44 / 32
p0 −30.93 ± 4.382
pull
Entries 33
Mean 54.77
Std Dev 27.98

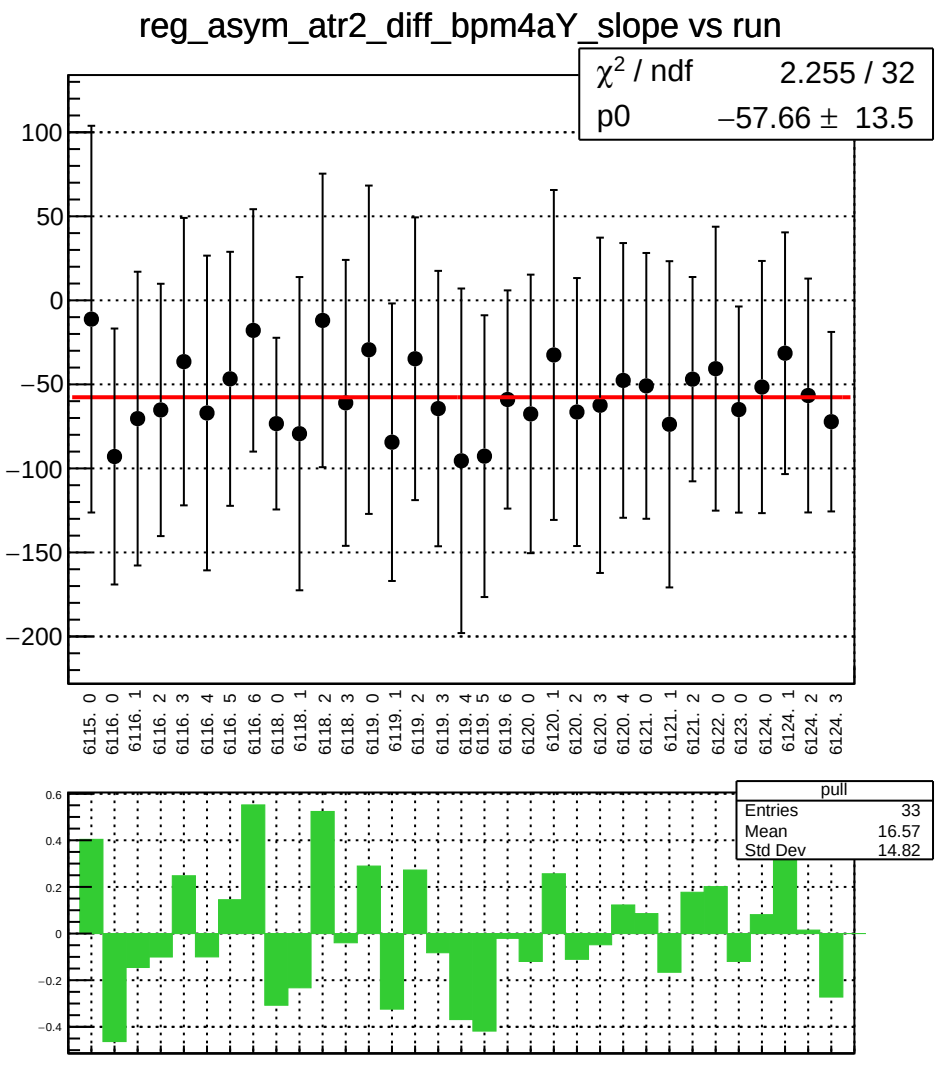

pull1D
Entries 33
Mean −0.01334
Std Dev 1.036

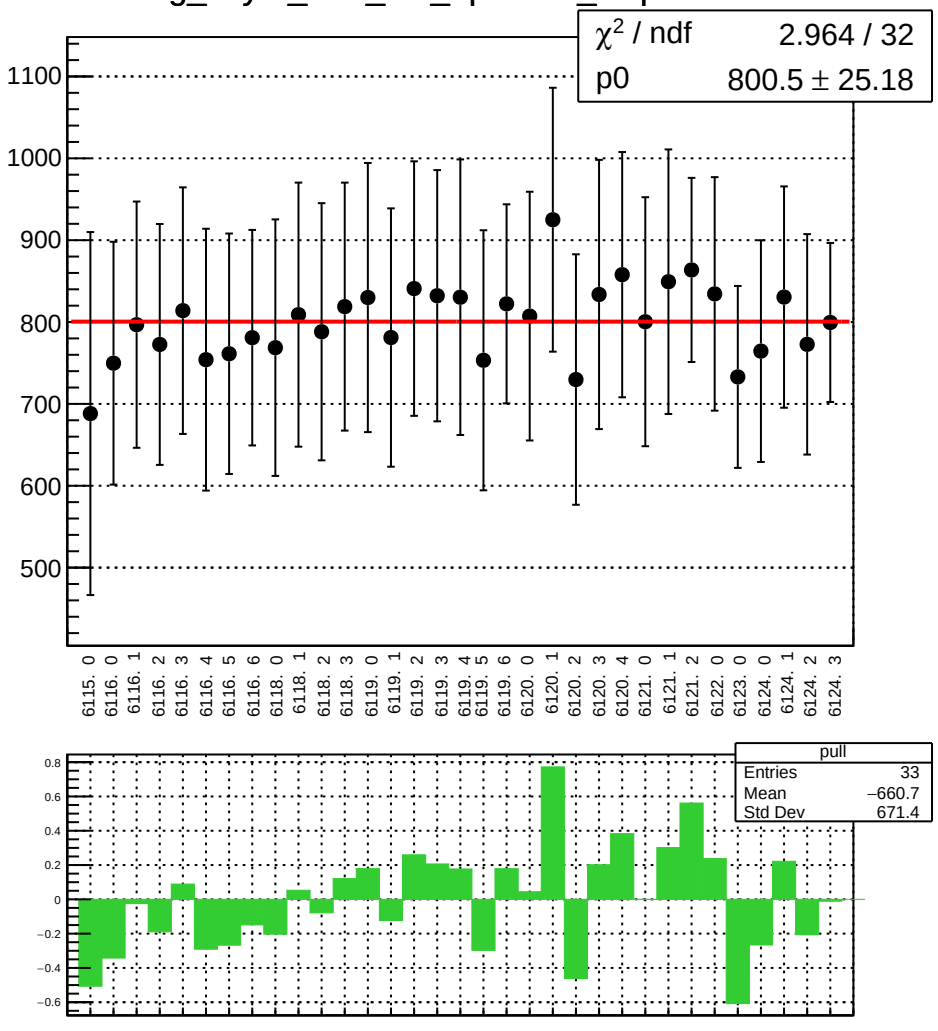

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 41.46 / 32
p0 −25.27 ± 0.3338
−20
−22
−24
−26
−28
−30
−32
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −48.85
Std Dev 65.8
2
1
0
−1
−2
−3

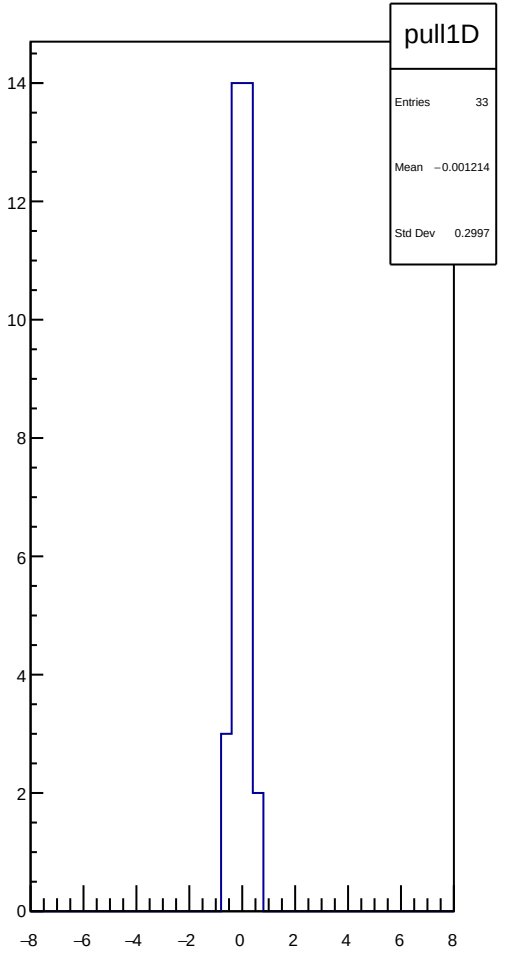

pull1D
Entries 33
Mean 0.05198
Std Dev 1.12
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

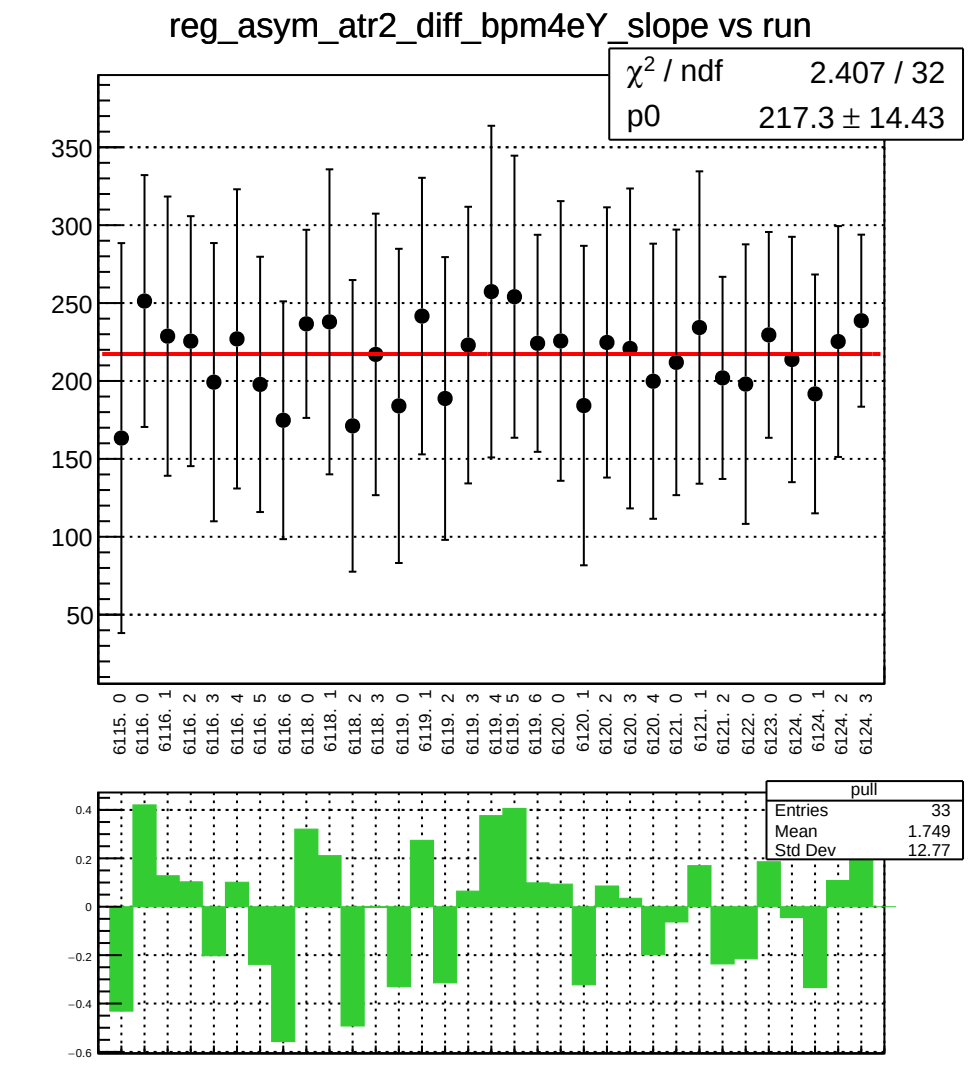

reg_asym_atr2_diff_bpm4aX_slope vs run
χ² / ndf 3.156 / 32
p0 −547.7 ± 21.64
−200
−300
−400
−500
−600
−700
−800
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −444.1
Std Dev 454.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

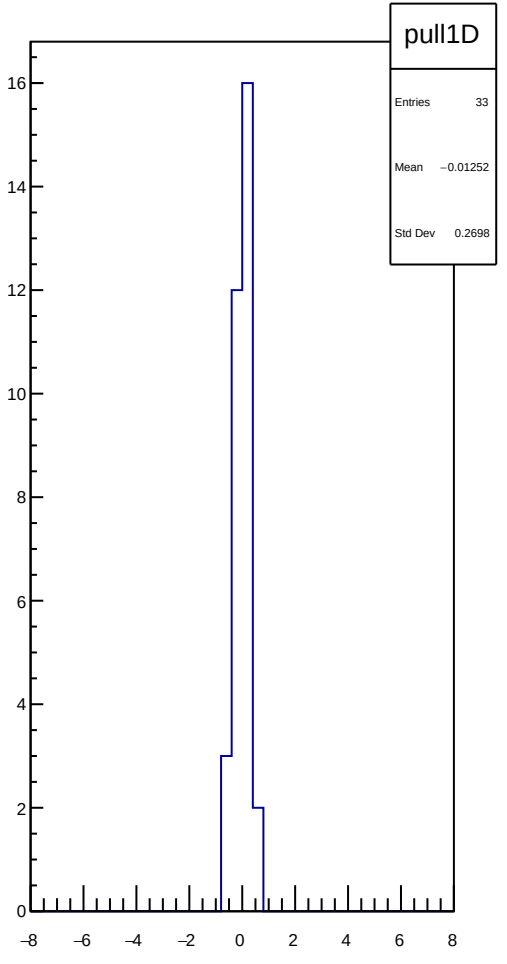

pull1D
Entries 33
Mean 0.001803
Std Dev 0.3092
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

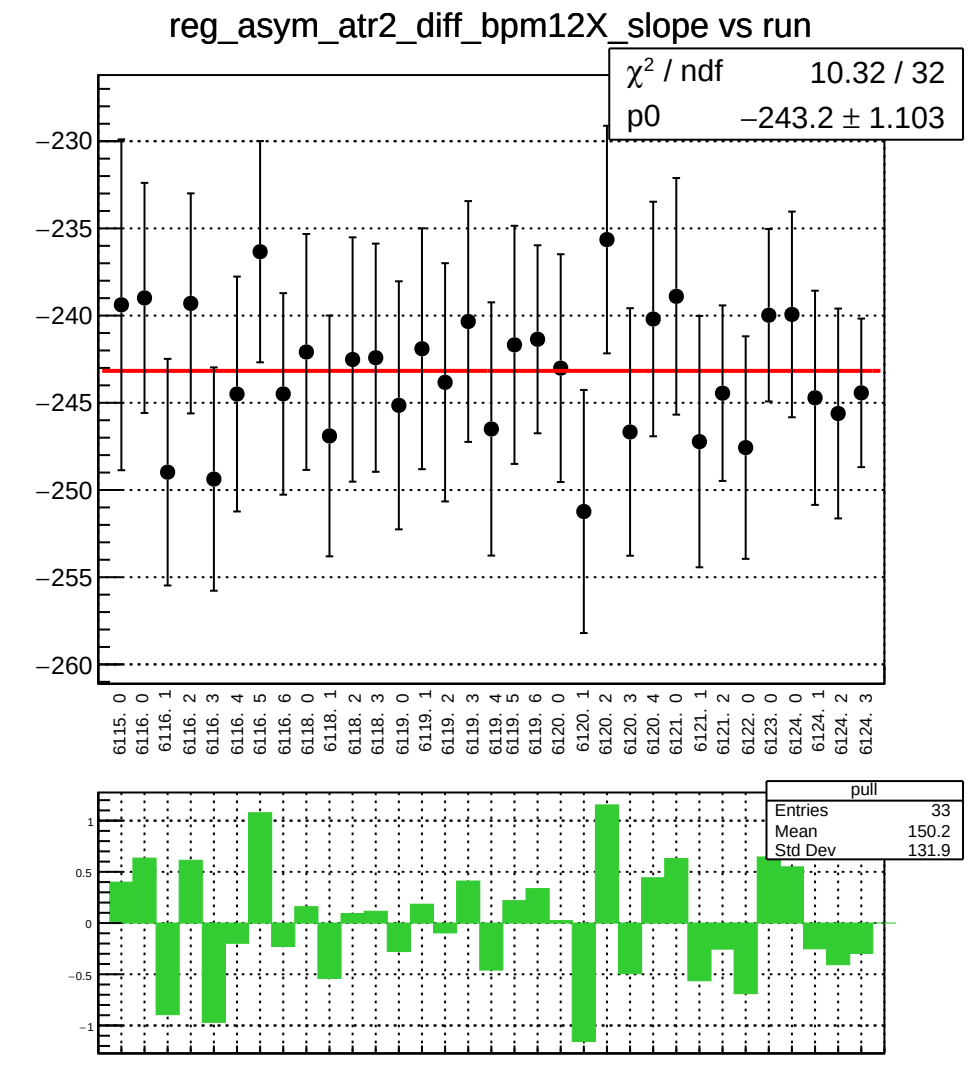

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 2.255 / 32
p0 −57.66 ± 13.5
100
50
0
−50
−100
−150
−200
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 16.57
Std Dev 14.82
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 33
Mean 0.009063
Std Dev 0.2612
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

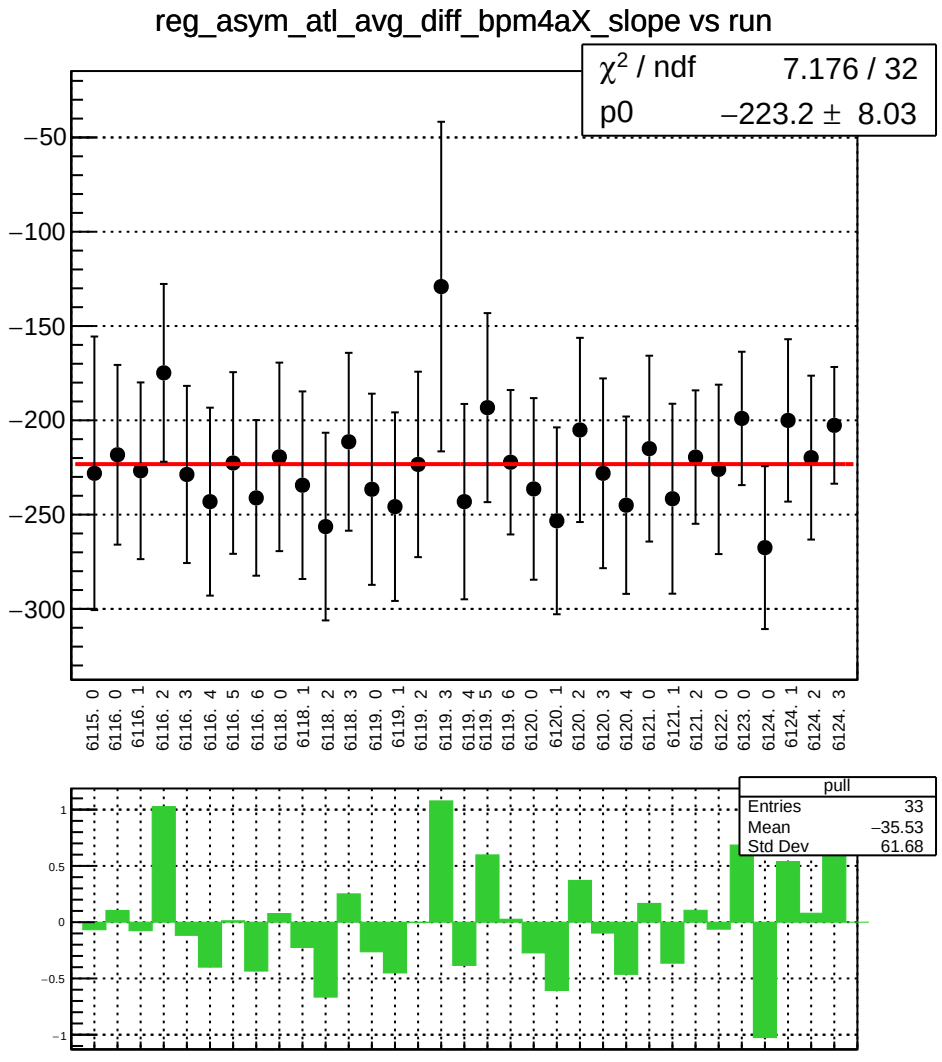

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 2.964 / 32
p0 800.5 ± 25.18
1100
1000
900
800
700
600
500
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −660.7
Std Dev 671.4
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

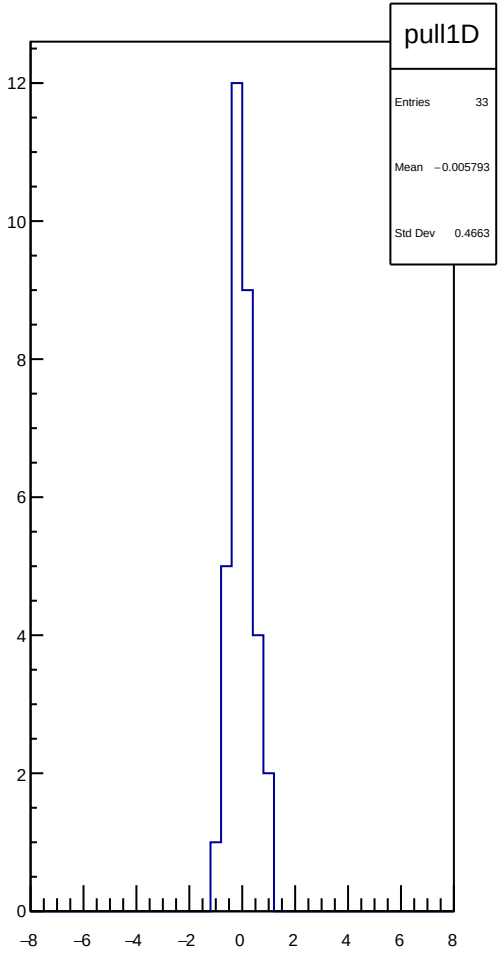

pull1D
Entries 33
Mean −0.001214
Std Dev 0.2997
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

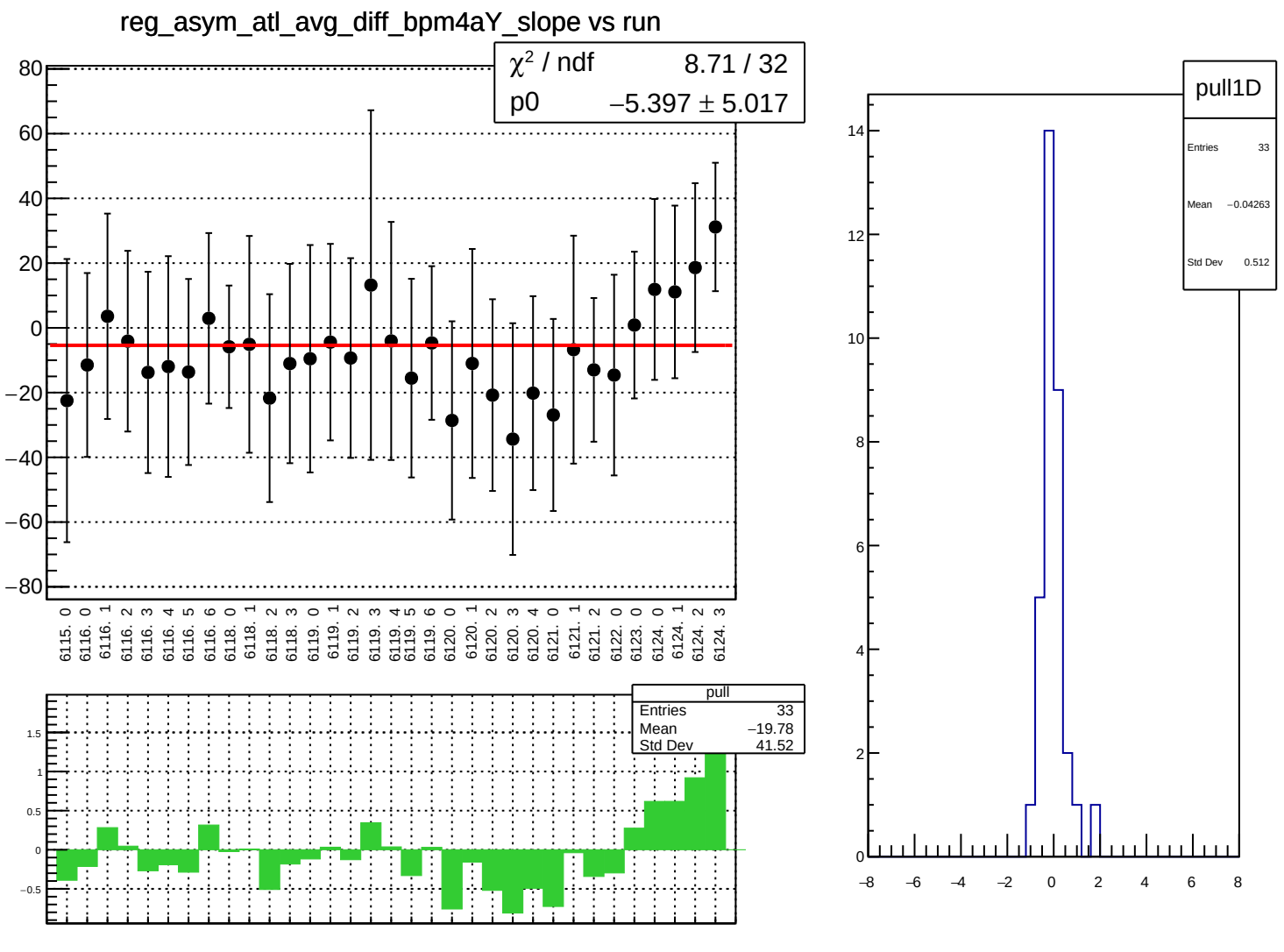

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 2.407 / 32
p0 217.3 ± 14.43
350
300
250
200
150
100
50
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 1.749
Std Dev 12.77
0.4
0.2
0
−0.2
−0.4
−0.6

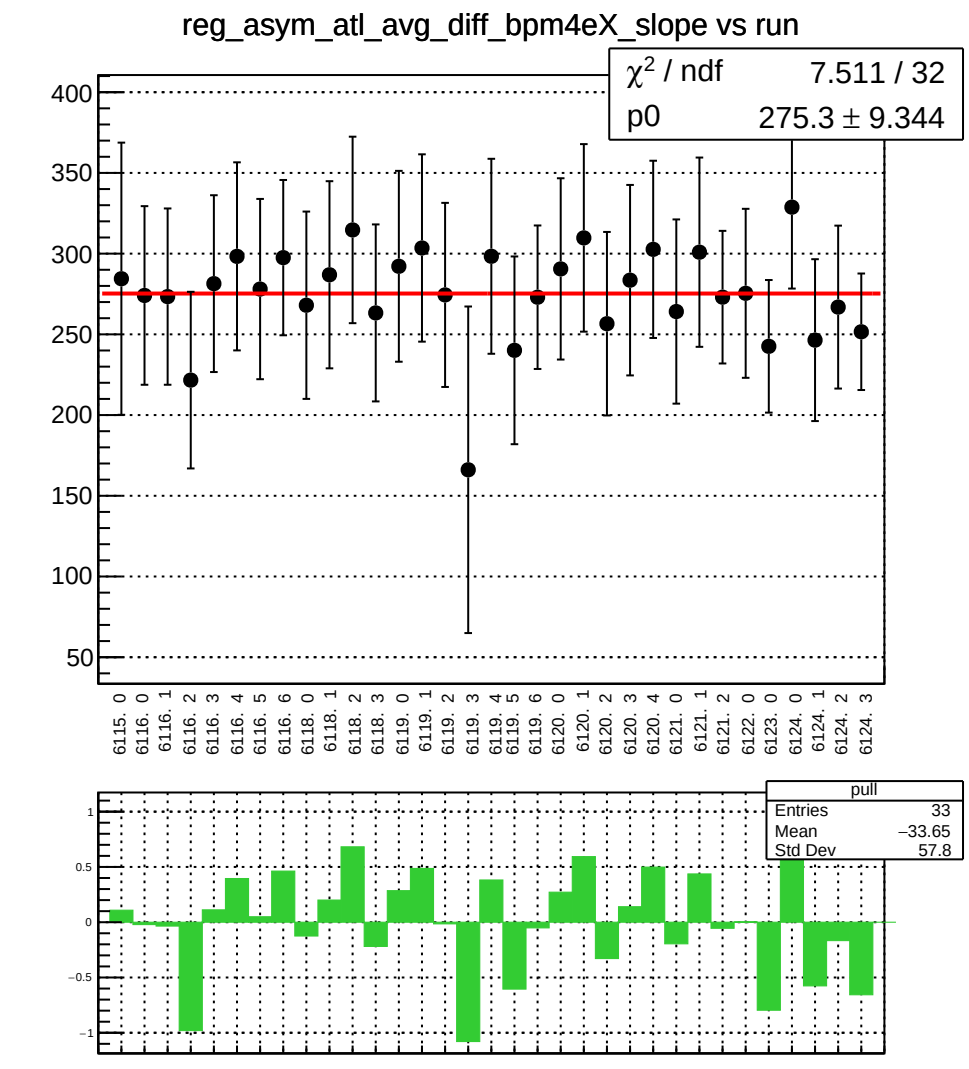

pull1D
Entries 33
Mean −0.01252
Std Dev 0.2698
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

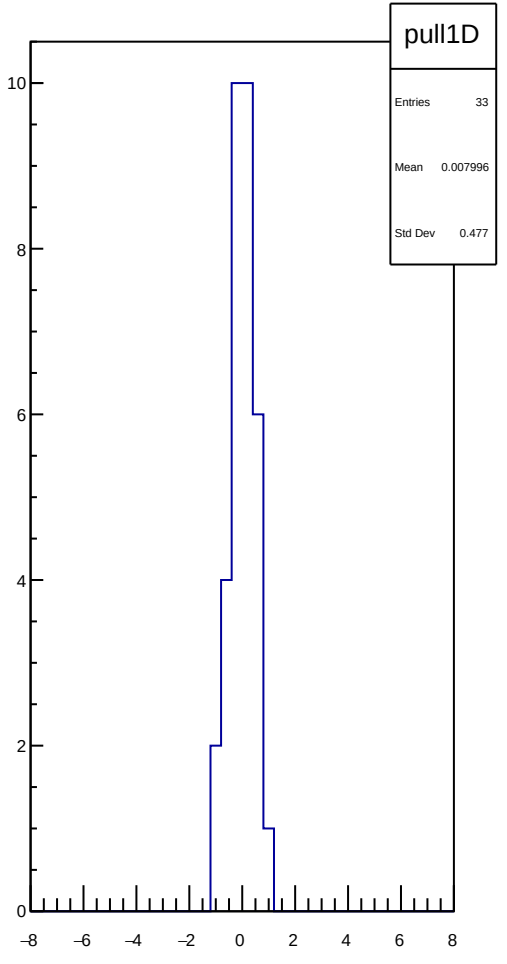

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 10.32 / 32
p0 −243.2 ± 1.103
−230
−235
−240
−245
−250
−255
−260
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 150.2
Std Dev 131.9
1
0.5
0
−0.5
−1
pull1D
Entries 33
Mean −0.002709
Std Dev 0.5593
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

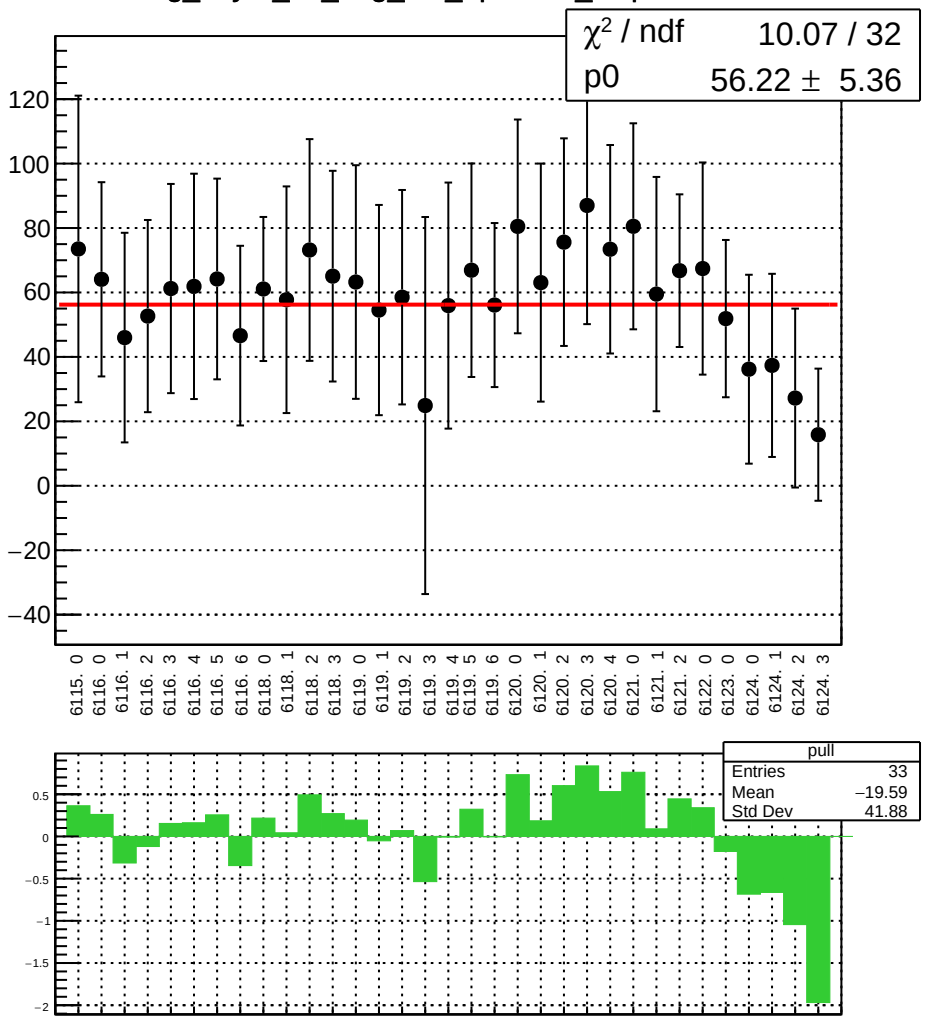

reg_asym_atl_avg_diff_bpm4aX_slope vs run
χ² / ndf 7.176 / 32
p0 −223.2 ± 8.03
−50
−100
−150
−200
−250
−300
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −35.53
Std Dev 61.68
1
0.5
0
−0.5
−1

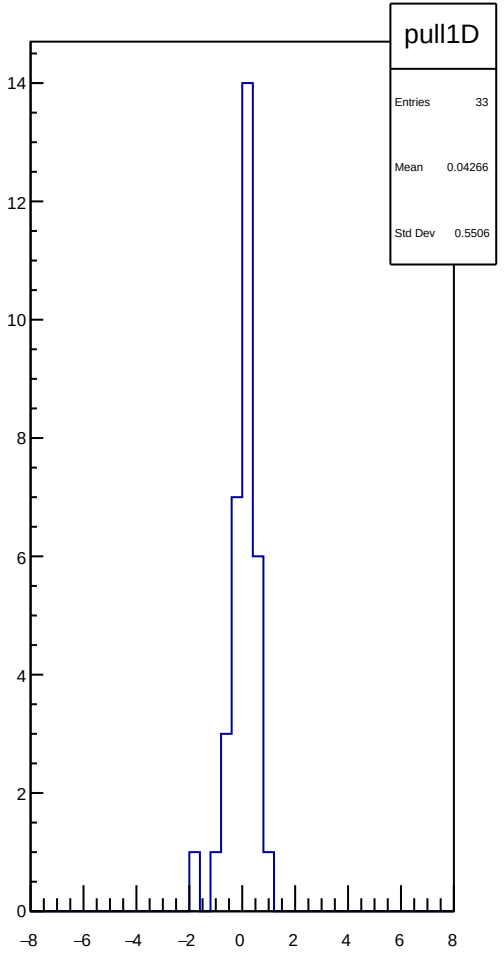

pull1D
Entries 33
Mean −0.005793
Std Dev 0.4663
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

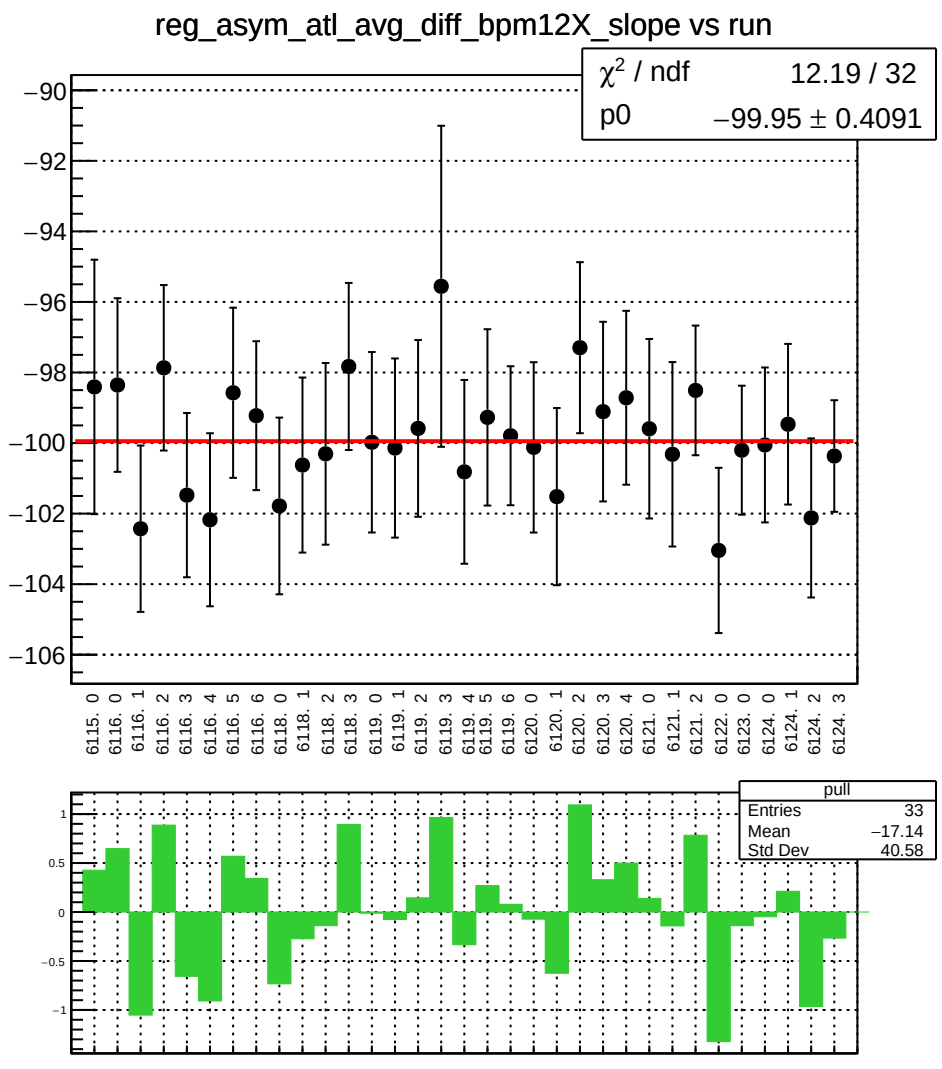

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.71 / 32
p0 −5.397 ± 5.017
80
60
40
20
0
−20
−40
−60
−80
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −19.78
Std Dev 41.52
1.5
1
0.5
0
−0.5
pull1D
Entries 33
Mean −0.04263
Std Dev 0.512
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

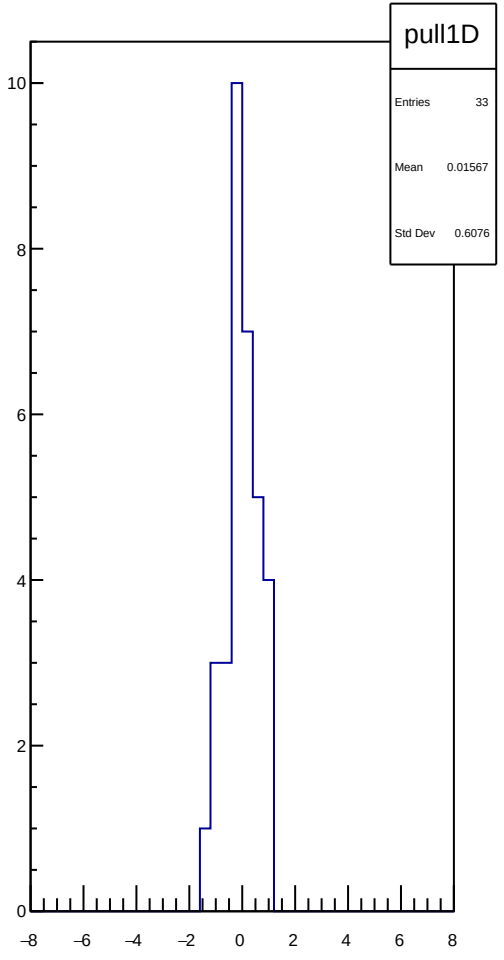

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 7.511 / 32
p0 275.3 ± 9.344
400
350
300
250
200
150
100
50
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −33.65
Std Dev 57.8
1
0.5
0
−0.5
−1

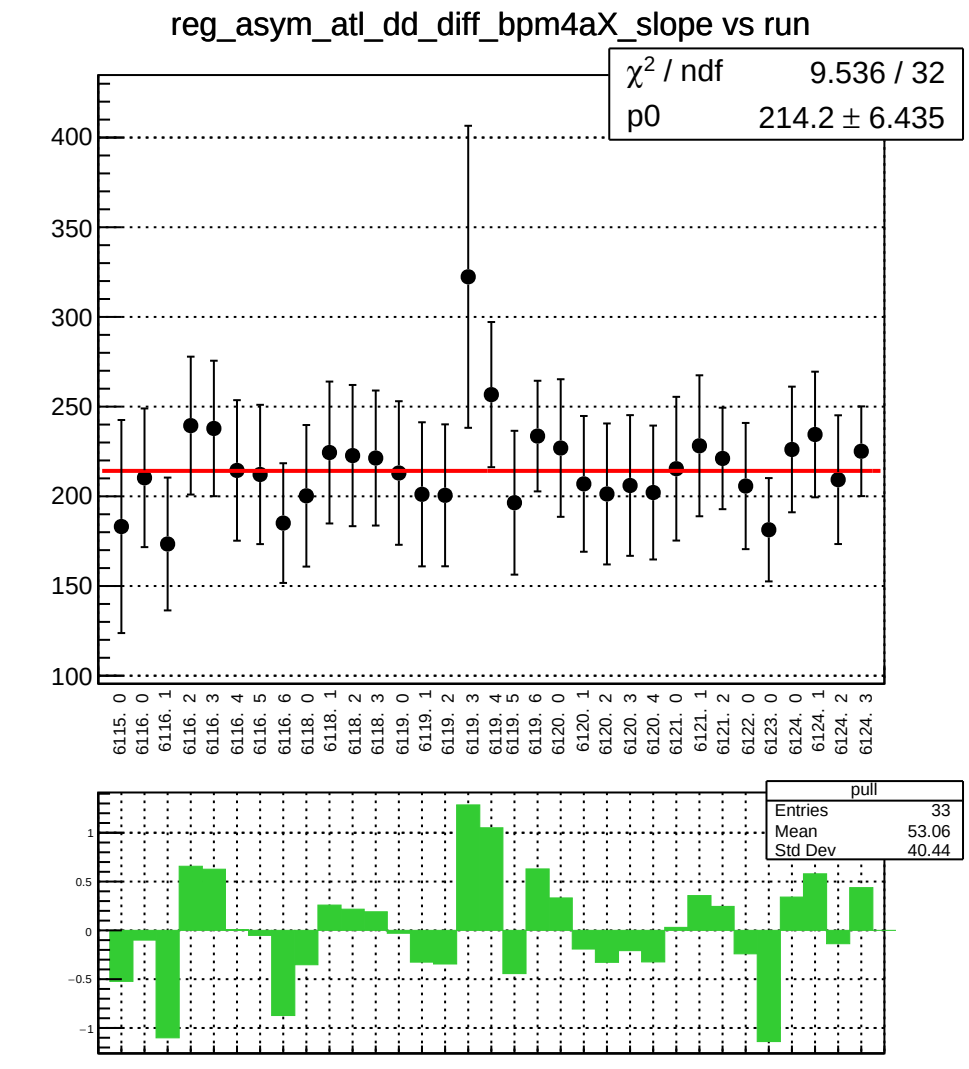

pull1D
Entries 33
Mean 0.007996
Std Dev 0.477
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

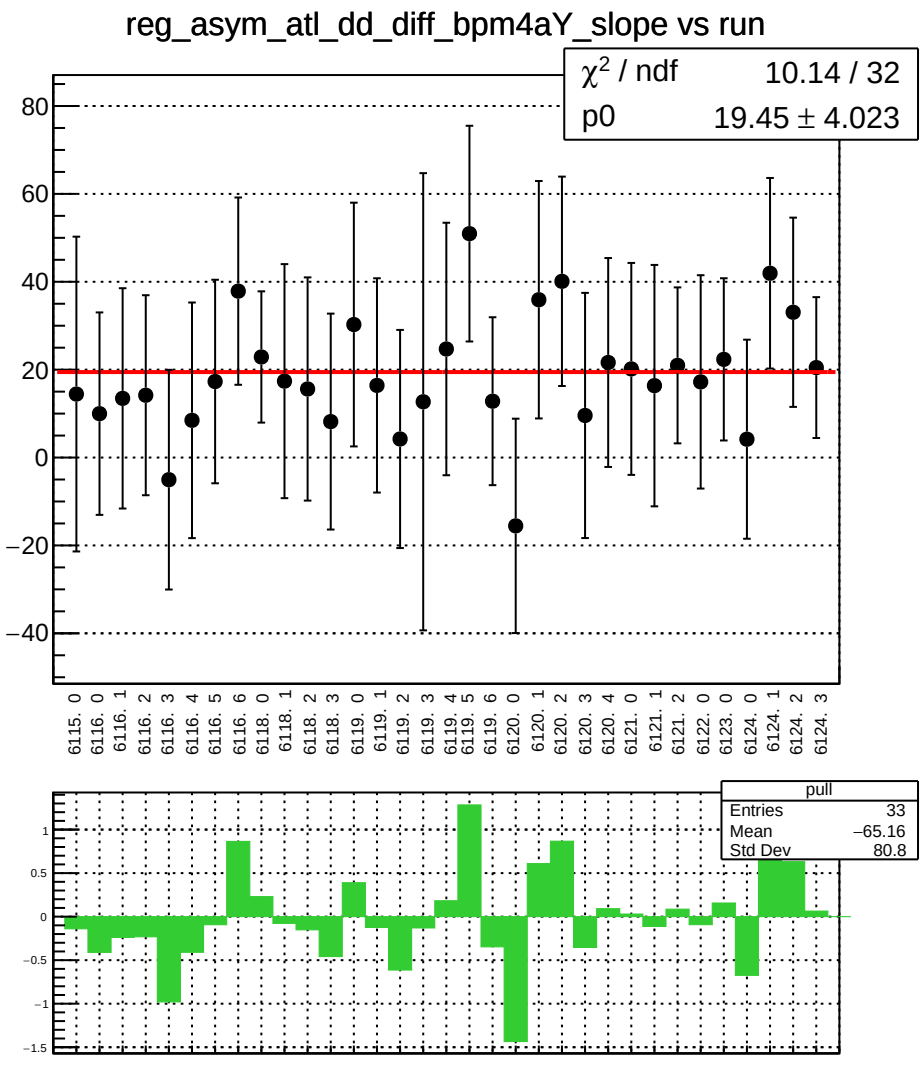

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.07 / 32
p0 56.22 ± 5.36
pull
Entries 33
Mean −19.59
Std Dev 41.88

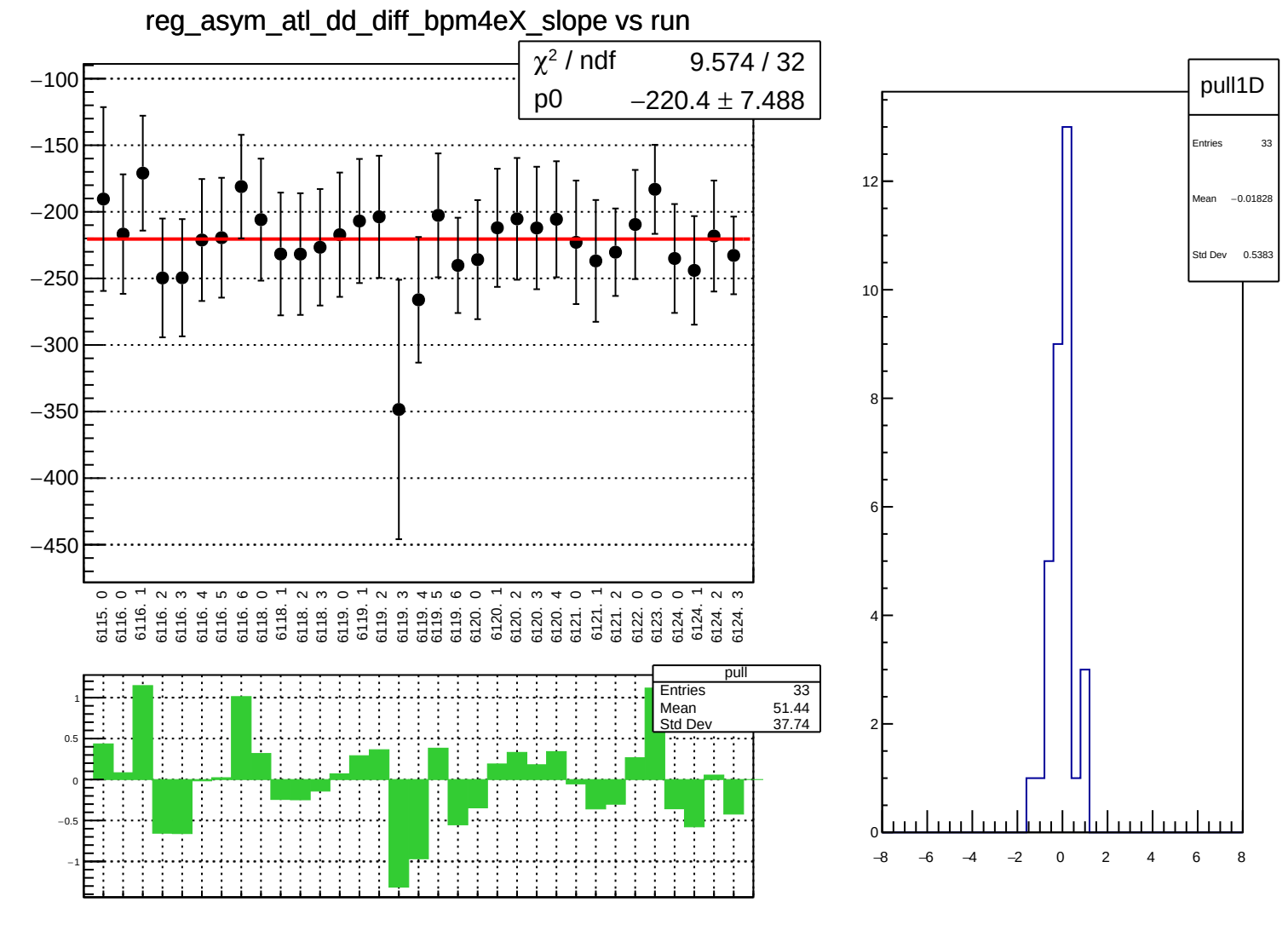

pull1D
Entries 33
Mean 0.04266
Std Dev 0.5506

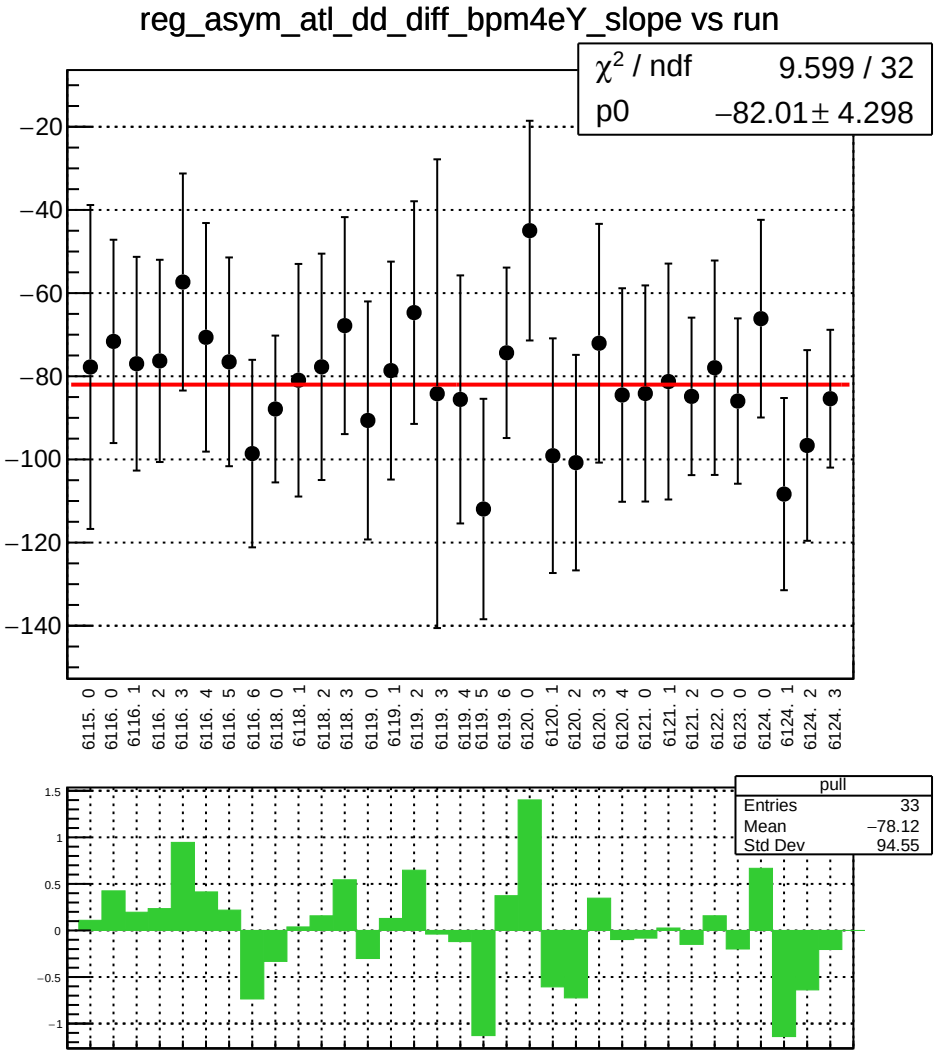

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 12.19 / 32
p0 −99.95 ± 0.4091
−90
−92
−94
−96
−98
−100
−102
−104
−106
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −17.14
Std Dev 40.58
1
0.5
0
−0.5
−1

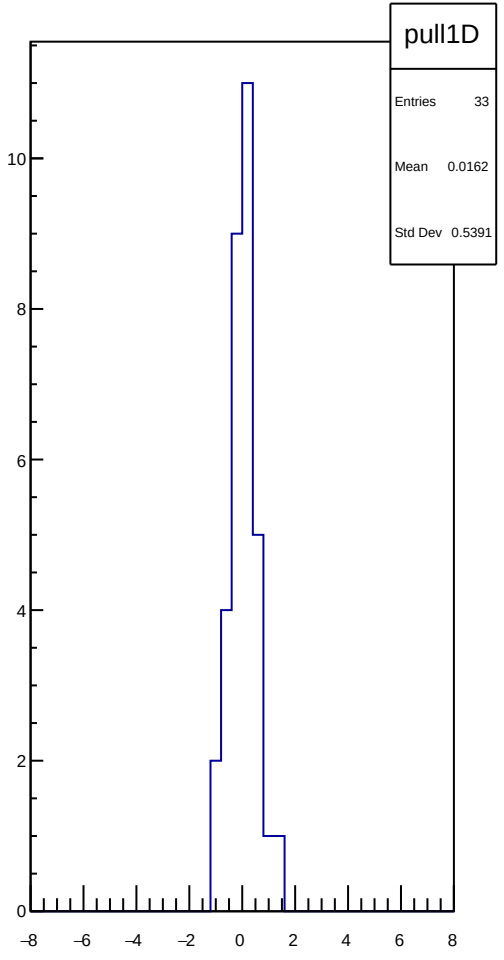

pull1D
Entries 33
Mean 0.01567
Std Dev 0.6076
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

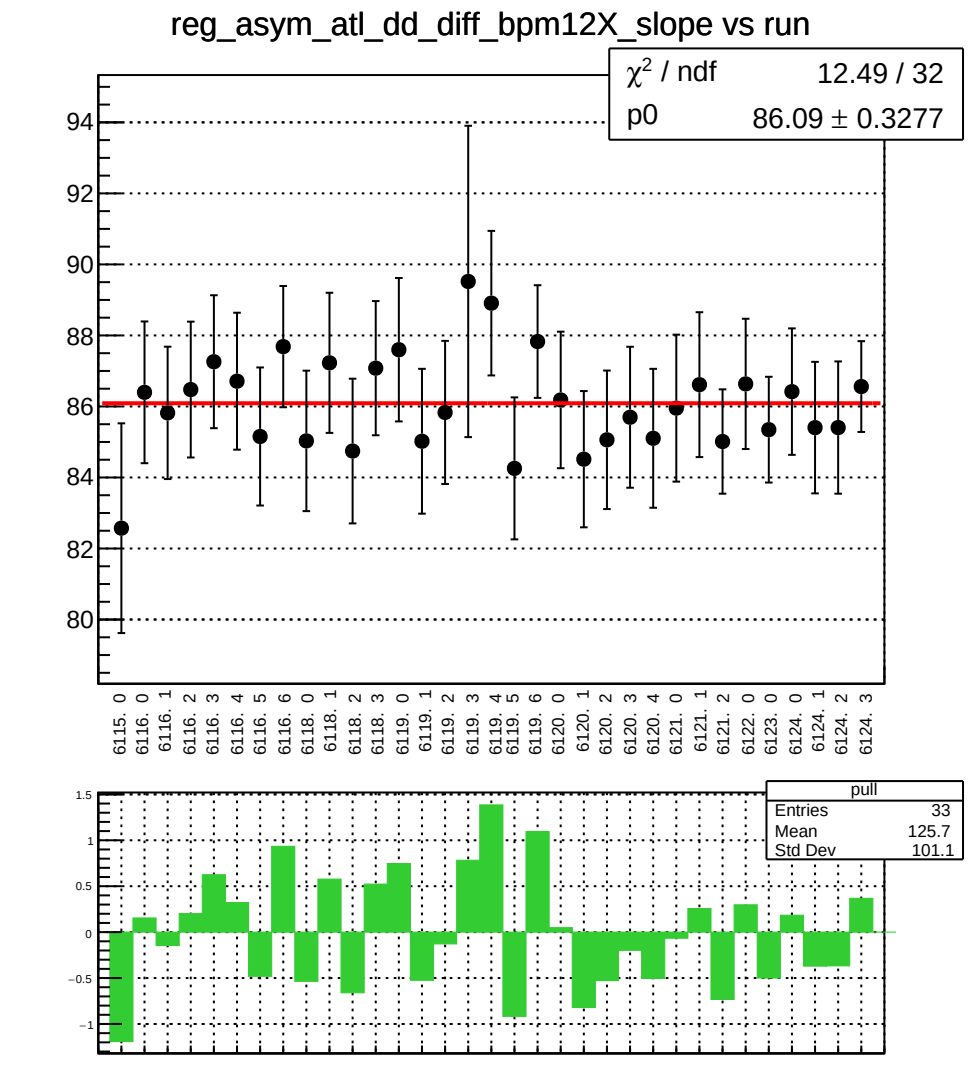

reg_asym_atl_dd_diff_bpm4aX_slope vs run
χ² / ndf 9.536 / 32
p0 214.2 ± 6.435
400
350
300
250
200
150
100
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 53.06
Std Dev 40.44
1
0.5
0
−0.5
−1
pull1D
Entries 33
Mean 0.01636
Std Dev 0.5373
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

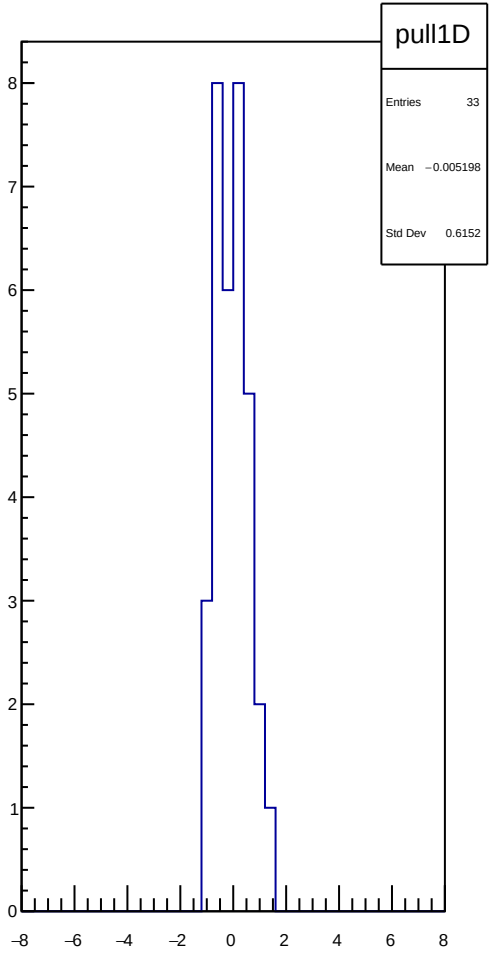

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.14 / 32
p0 19.45 ± 4.023
80
60
40
20
0
−20
−40
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −65.16
Std Dev 80.8
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.0167
Std Dev 0.5541
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

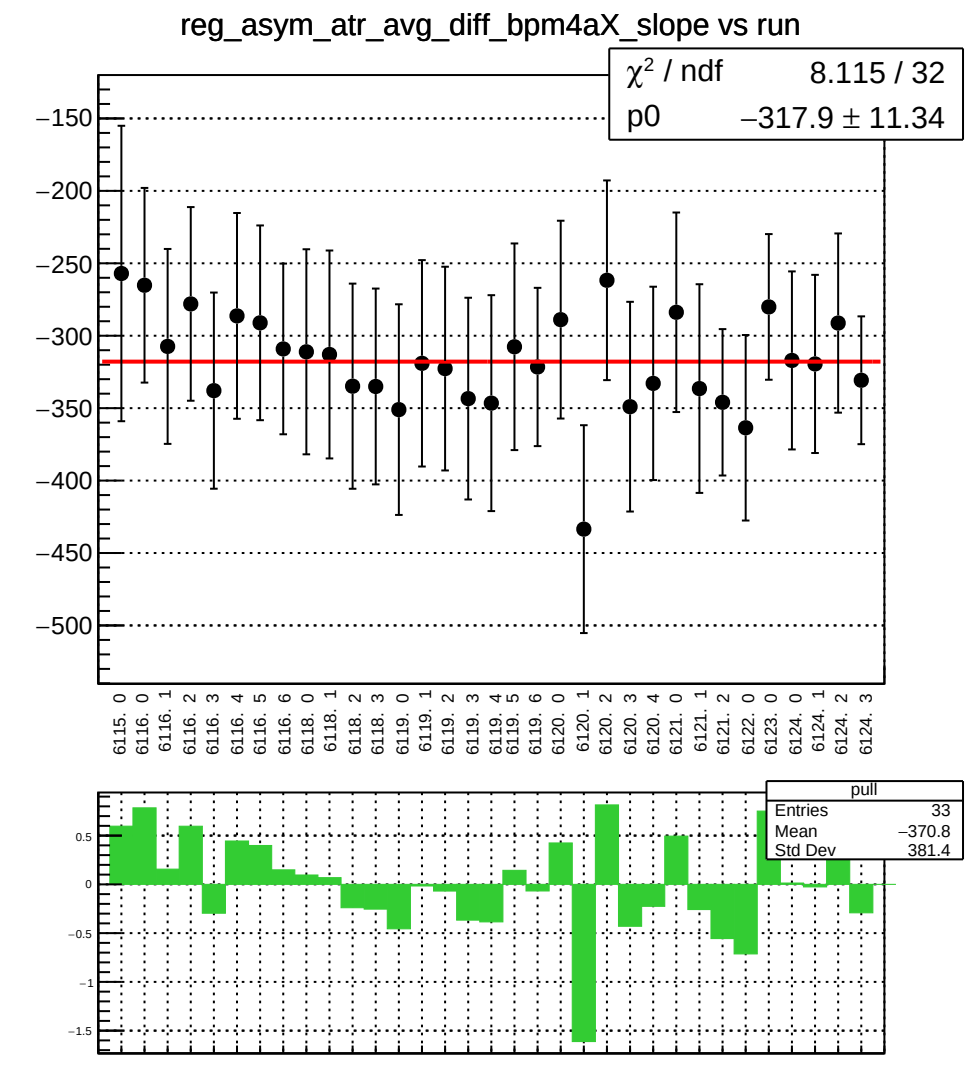

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 9.574 / 32
p0 −220.4 ± 7.488
−100
−150
−200
−250
−300
−350
−400
−450
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 51.44
Std Dev 37.74
1
0.5
0
−0.5
−1
pull1D
Entries 33
Mean −0.01828
Std Dev 0.5383
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

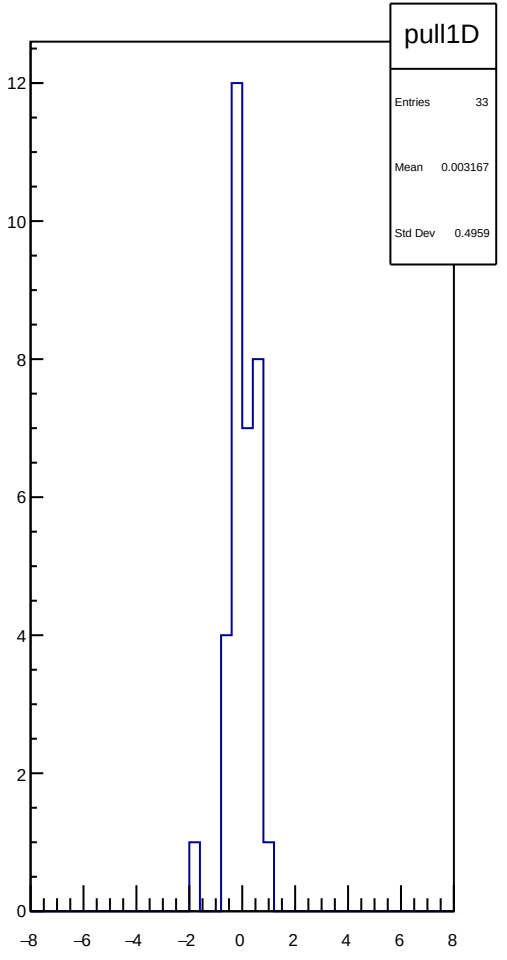

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.599 / 32
p0 −82.01± 4.298
−20
−40
−60
−80
−100
−120
−140
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −78.12
Std Dev 94.55
1.5
1
0.5
0
−0.5
−1

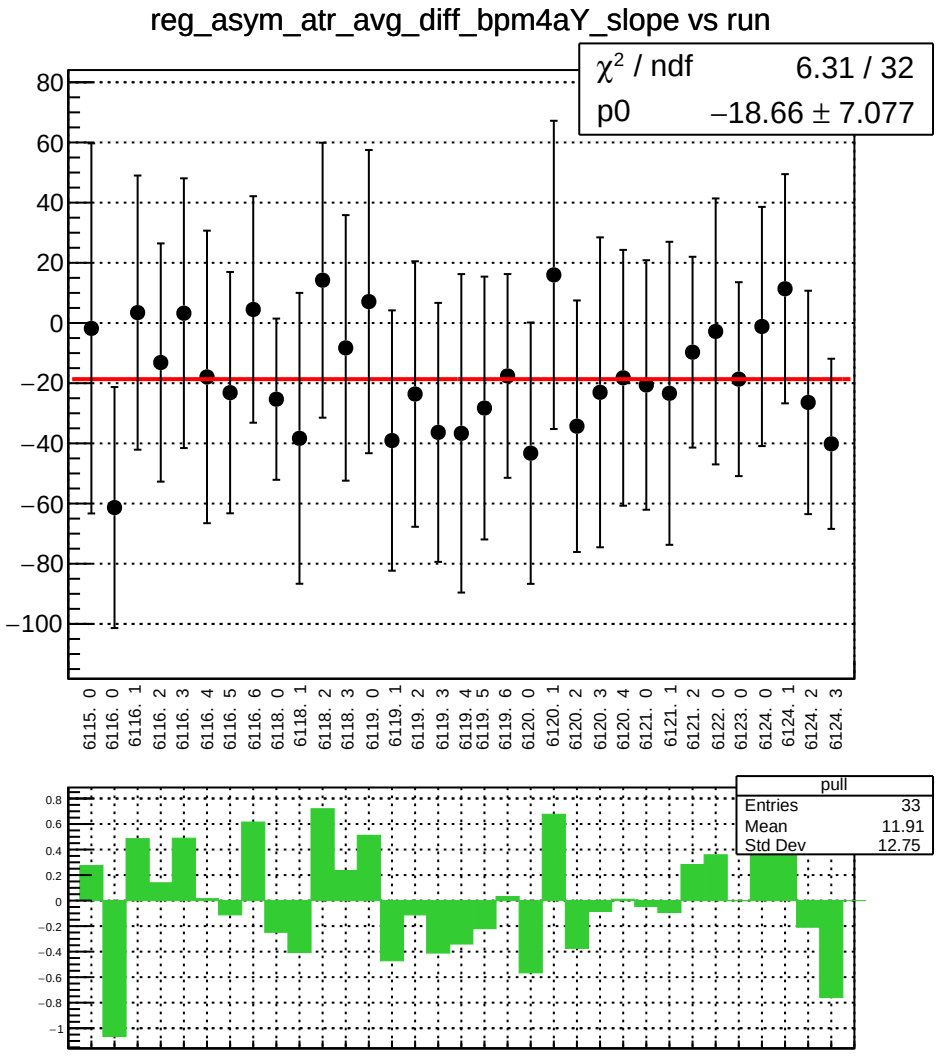

pull1D
Entries 33
Mean 0.0162
Std Dev 0.5391
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

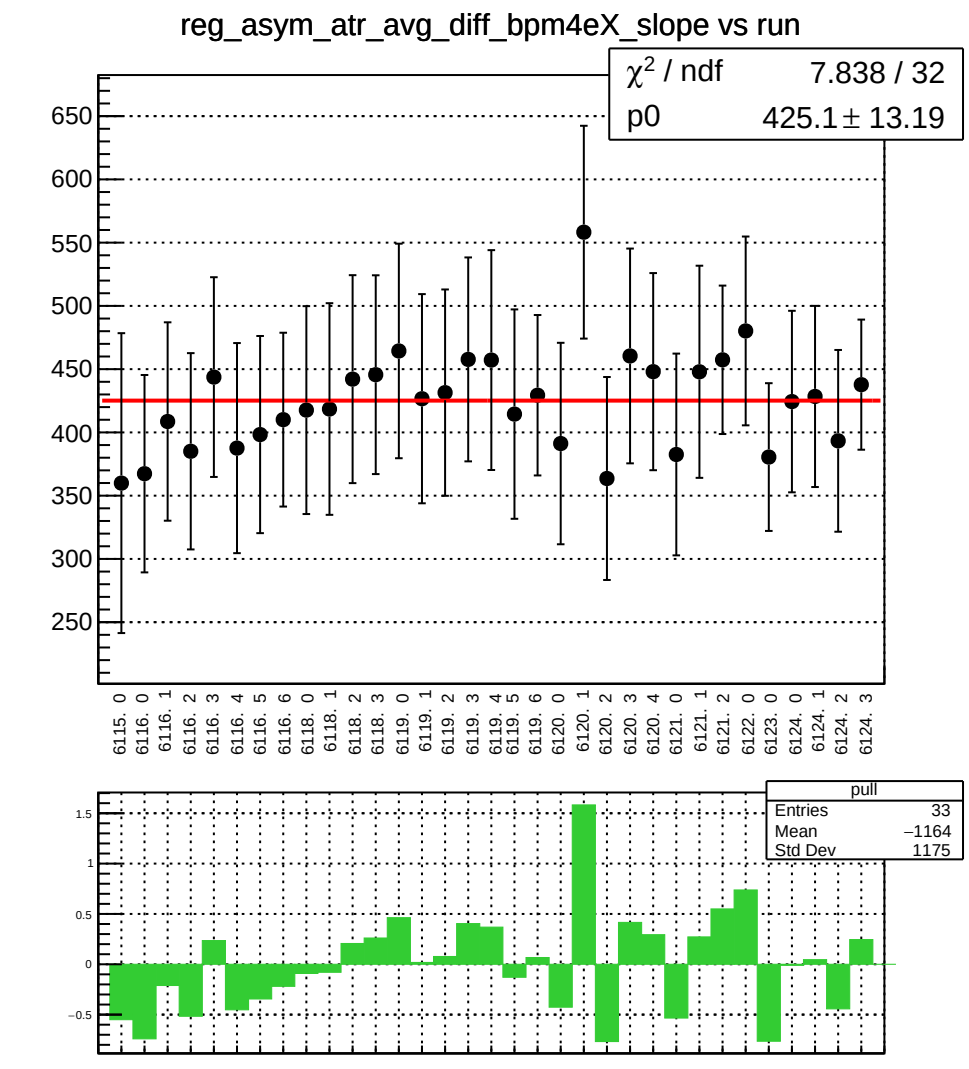

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 12.49 / 32
p0 86.09 ± 0.3277
94
92
90
88
86
84
82
80
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 125.7
Std Dev 101.1
1.5
1
0.5
0
−0.5
−1

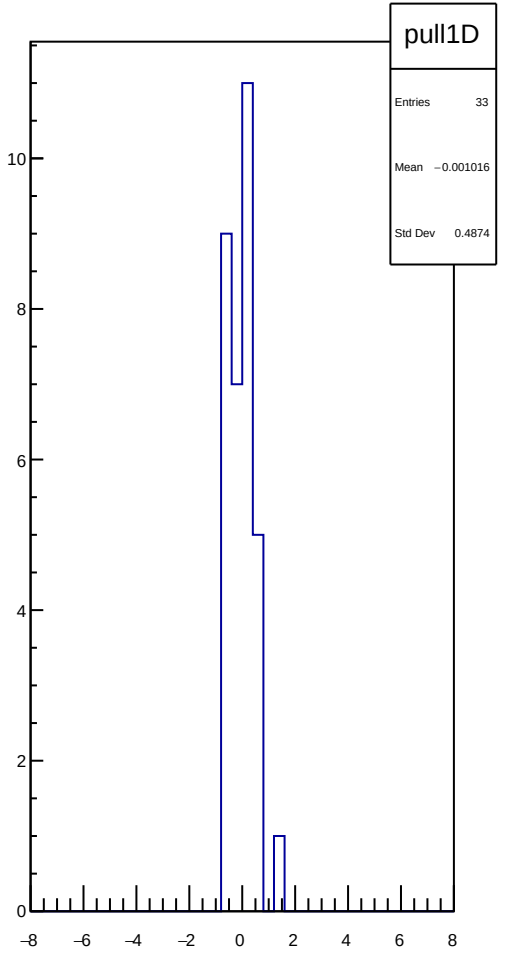

pull1D
Entries 33
Mean −0.005198
Std Dev 0.6152
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

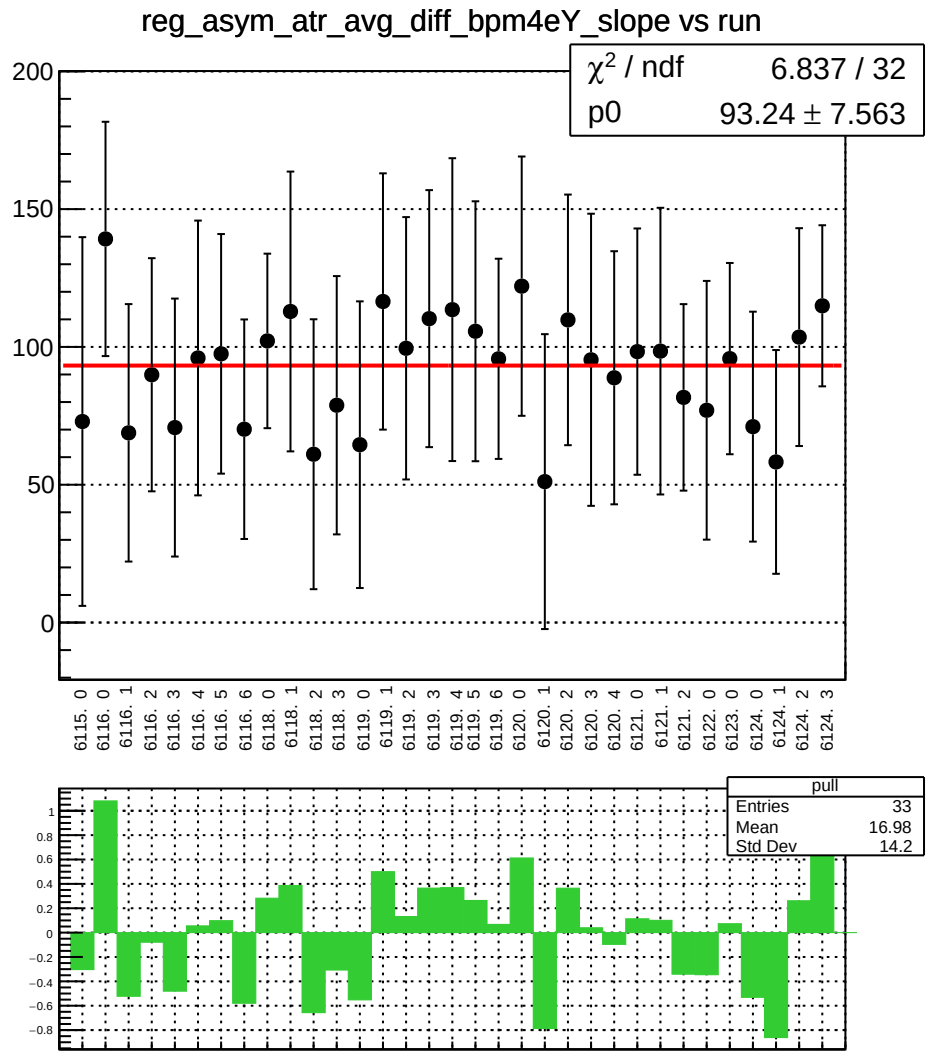

reg_asym_atr_avg_diff_bpm4aX_slope vs run
χ² / ndf 8.115 / 32
p0 −317.9 ± 11.34
−150
−200
−250
−300
−350
−400
−450
−500
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −370.8
Std Dev 381.4
0.5
0
−0.5
−1
−1.5

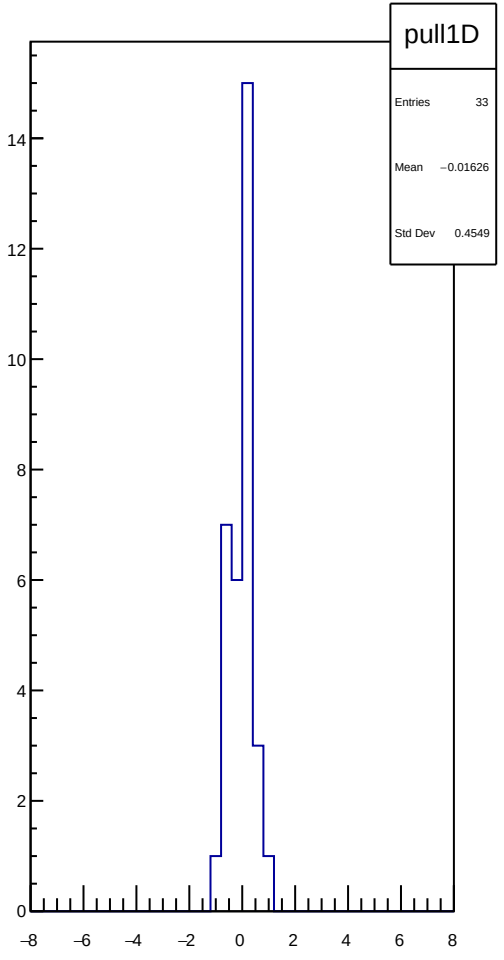

pull1D
Entries 33
Mean 0.003167
Std Dev 0.4959
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

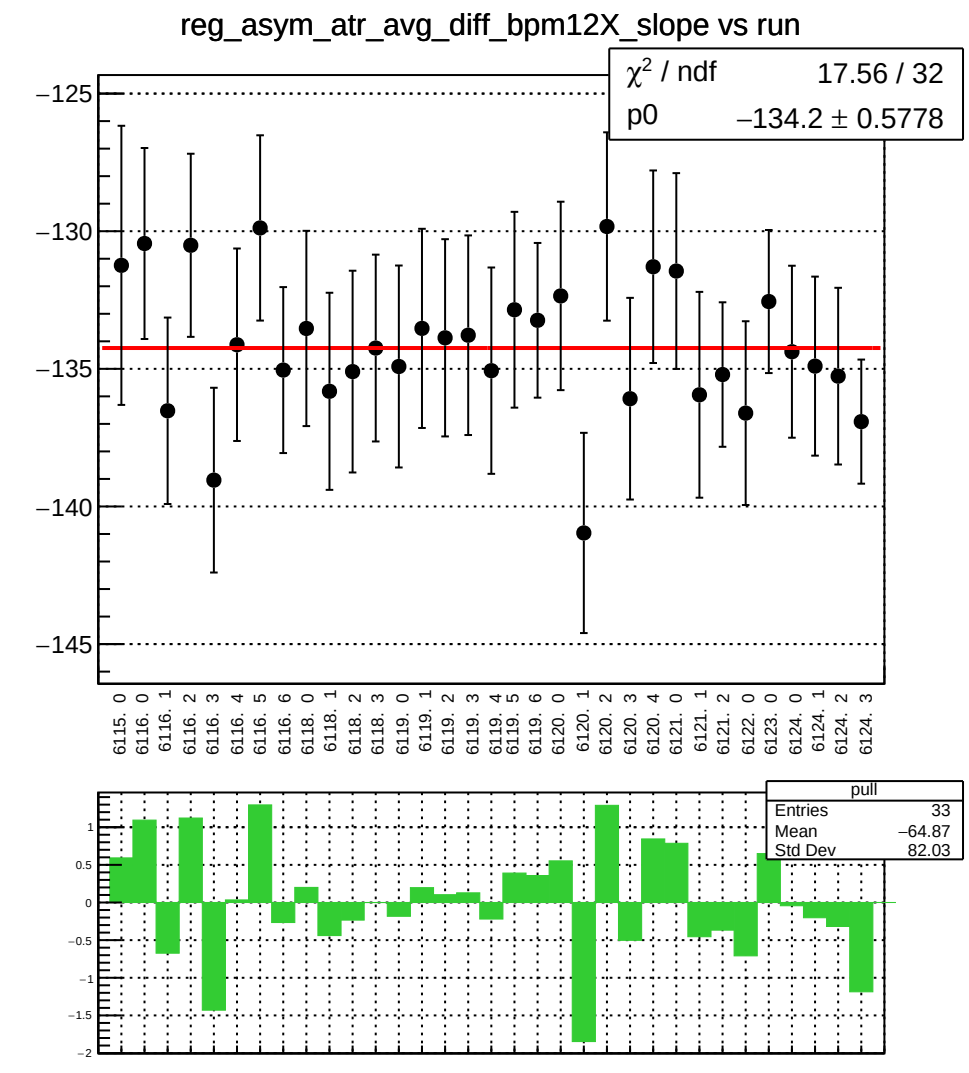

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.31 / 32
p0 −18.66 ± 7.077
pull
Entries 33
Mean 11.91
Std Dev 12.75
pull1D
Entries 33
Mean 0.01676
Std Dev 0.437

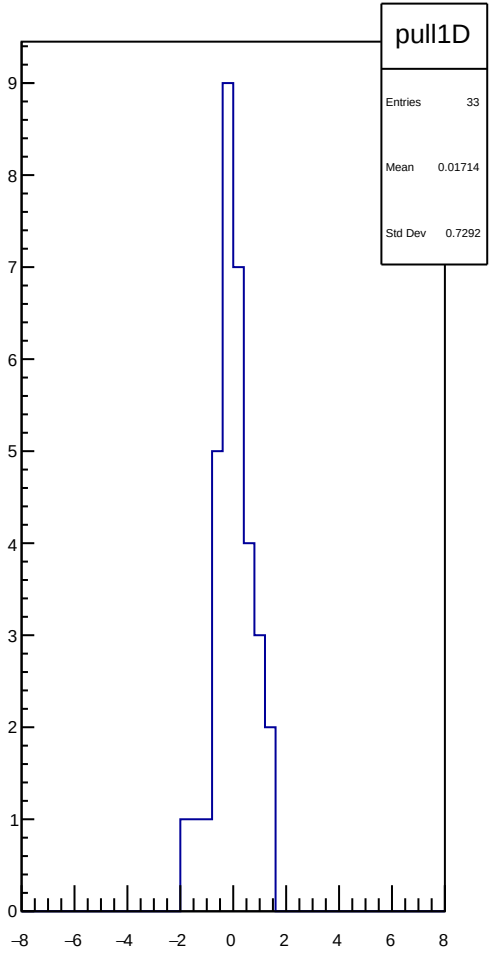

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 7.838 / 32
p0 425.1 ± 13.19
650
600
550
500
450
400
350
300
250
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −1164
Std Dev 1175
1.5
1
0.5
0
−0.5

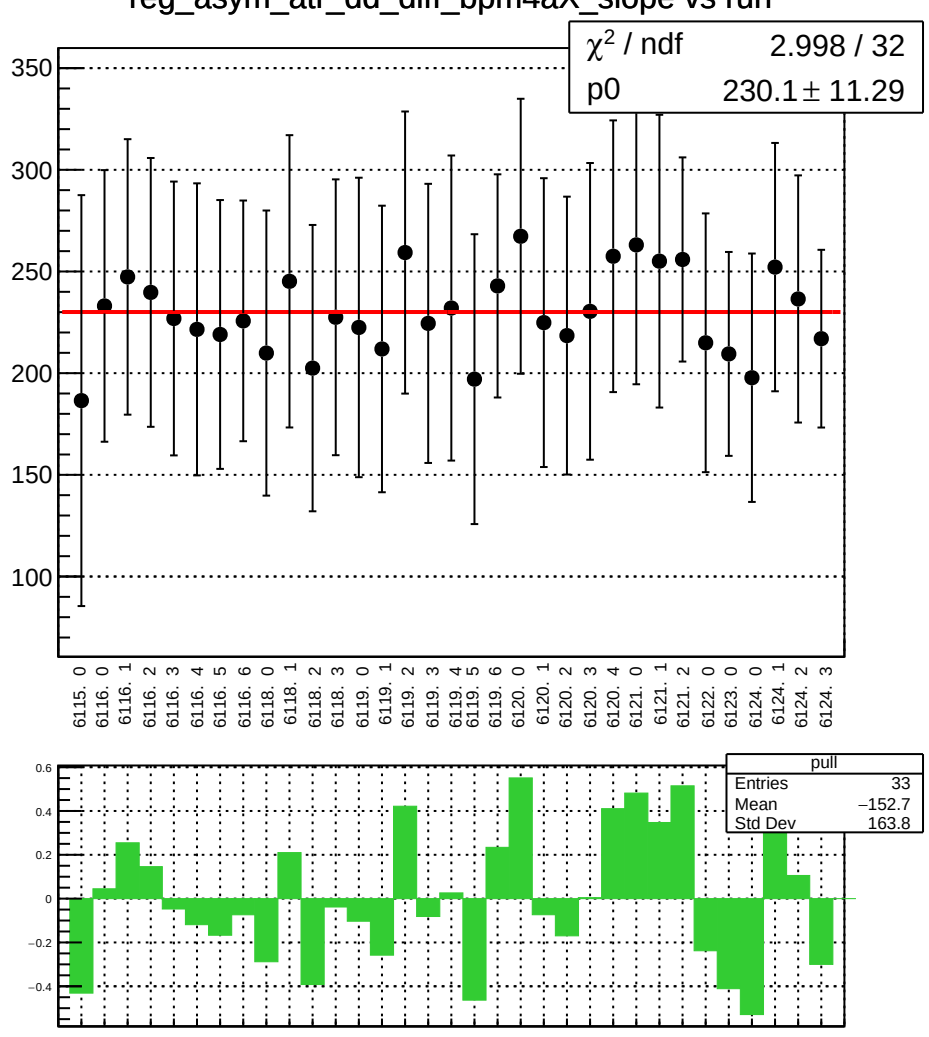

pull1D
Entries 33
Mean −0.001016
Std Dev 0.4874
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

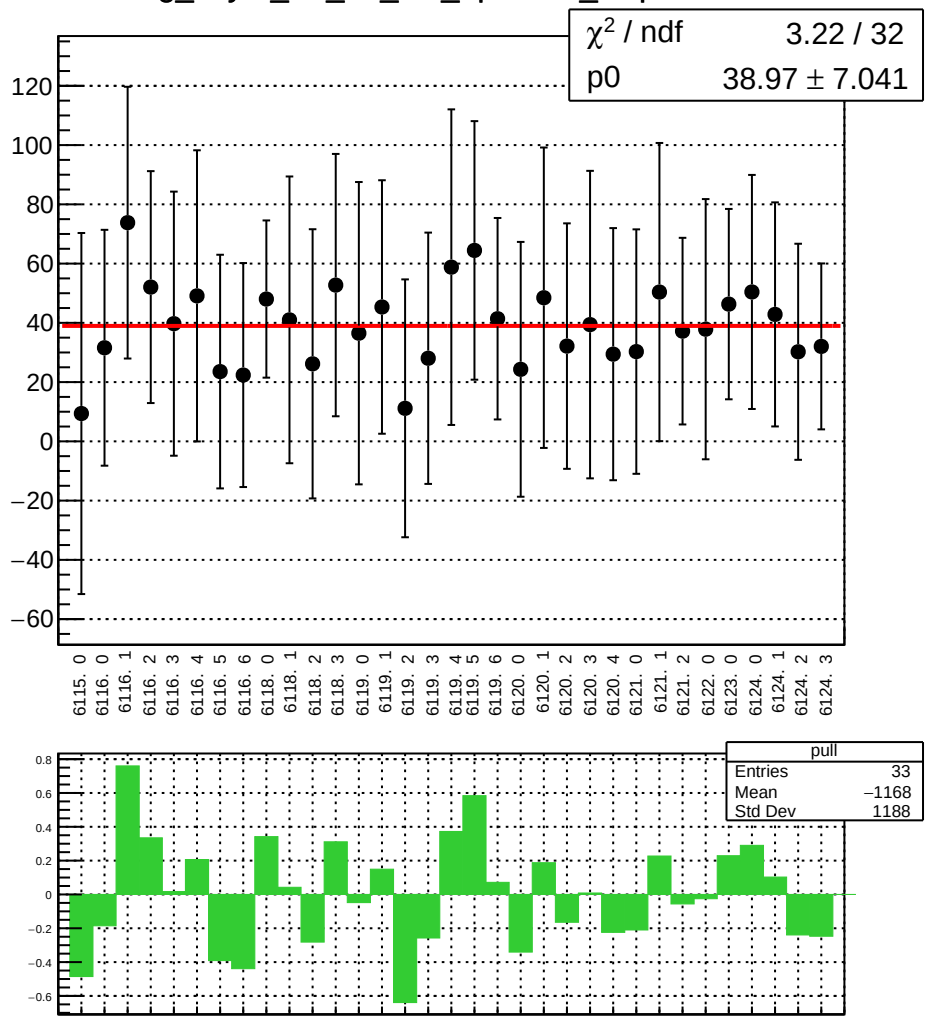

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.837 / 32
p0 93.24 ± 7.563
200
150
100
50
0
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 16.98
Std Dev 14.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

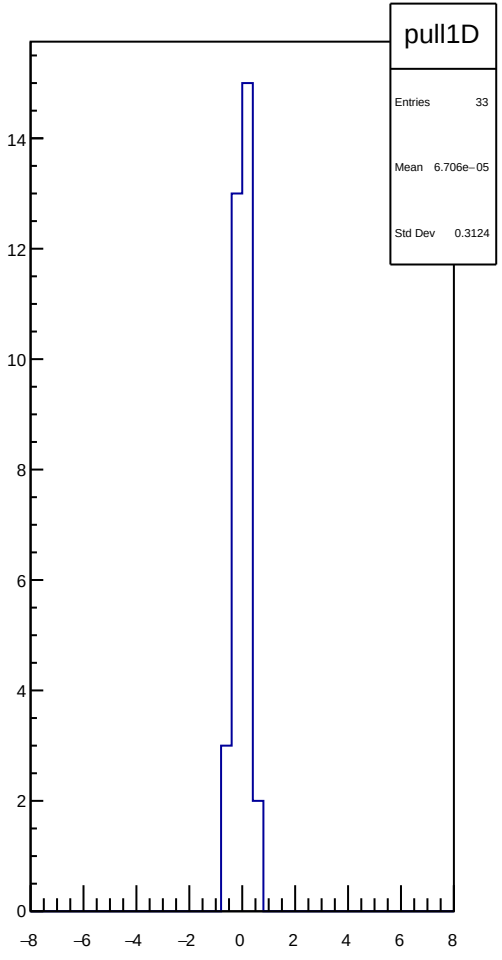

pull1D
Entries 33
Mean −0.01626
Std Dev 0.4549
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

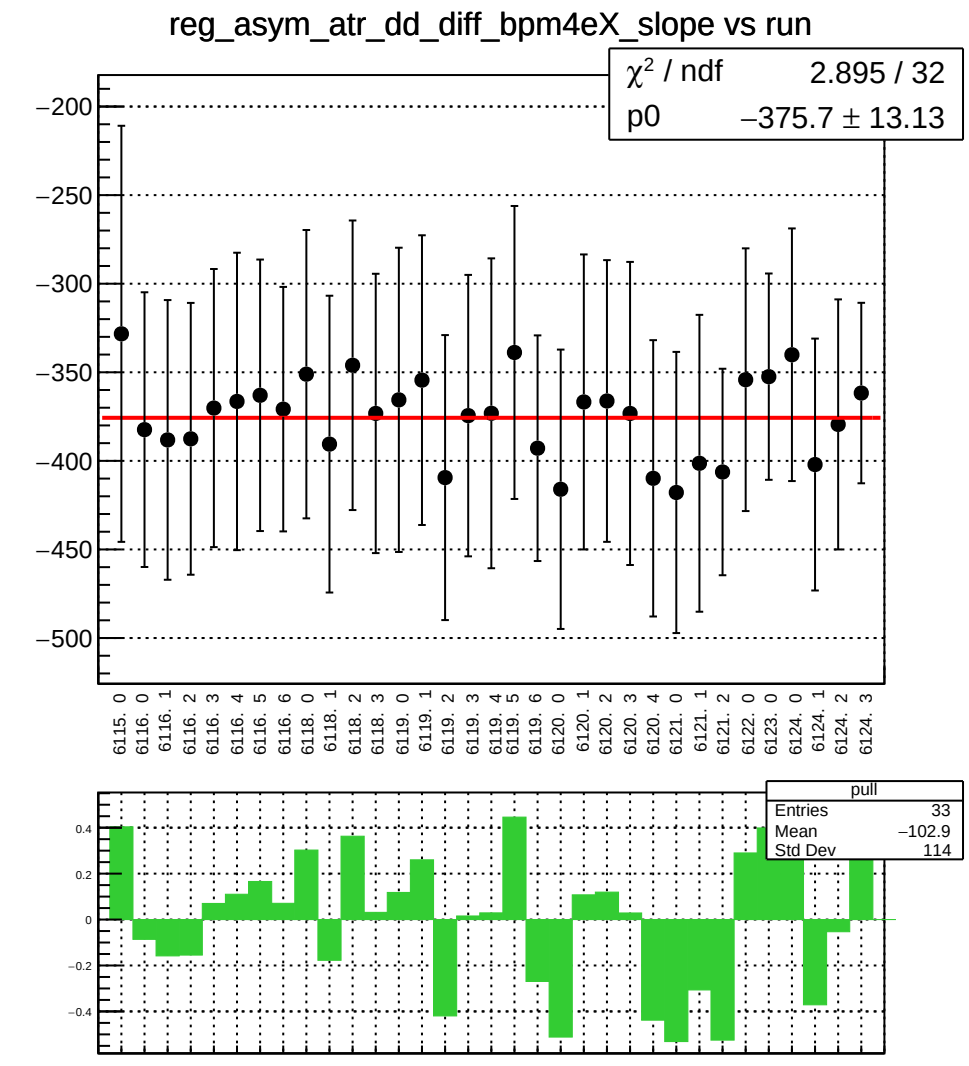

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 17.56 / 32
p0 −134.2 ± 0.5778
−125
−130
−135
−140
−145
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −64.87
Std Dev 82.03
1
0.5
0
−0.5
−1
−1.5
−2

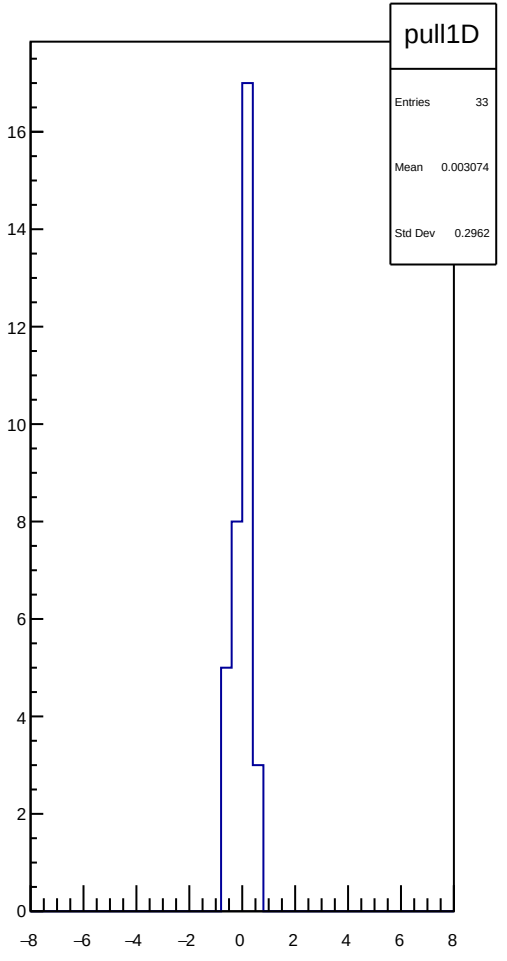

pull1D
Entries 33
Mean 0.01714
Std Dev 0.7292
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

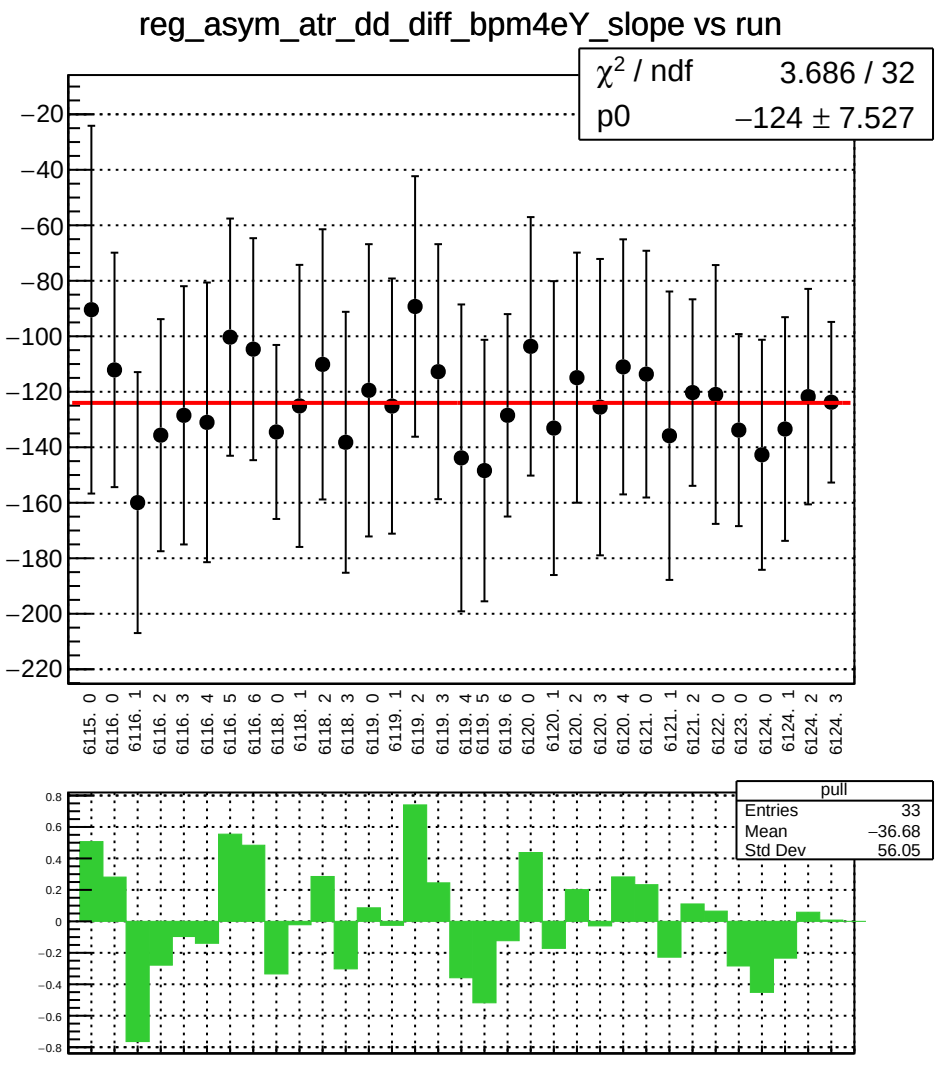

reg_asym_atr_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 2.998 / 32
p0 230.1 ± 11.29
350
300
250
200
150
100
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −152.7
Std Dev 163.8
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 33
Mean −0.002102
Std Dev 0.3014
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

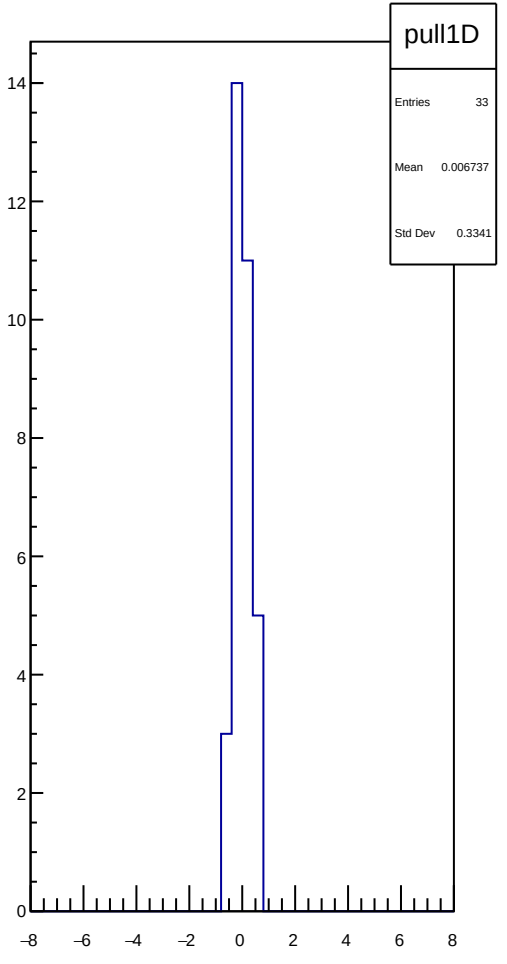

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.22 / 32
p0 38.97 ± 7.041
120
100
80
60
40
20
0
−20
−40
−60
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −1168
Std Dev 1188
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

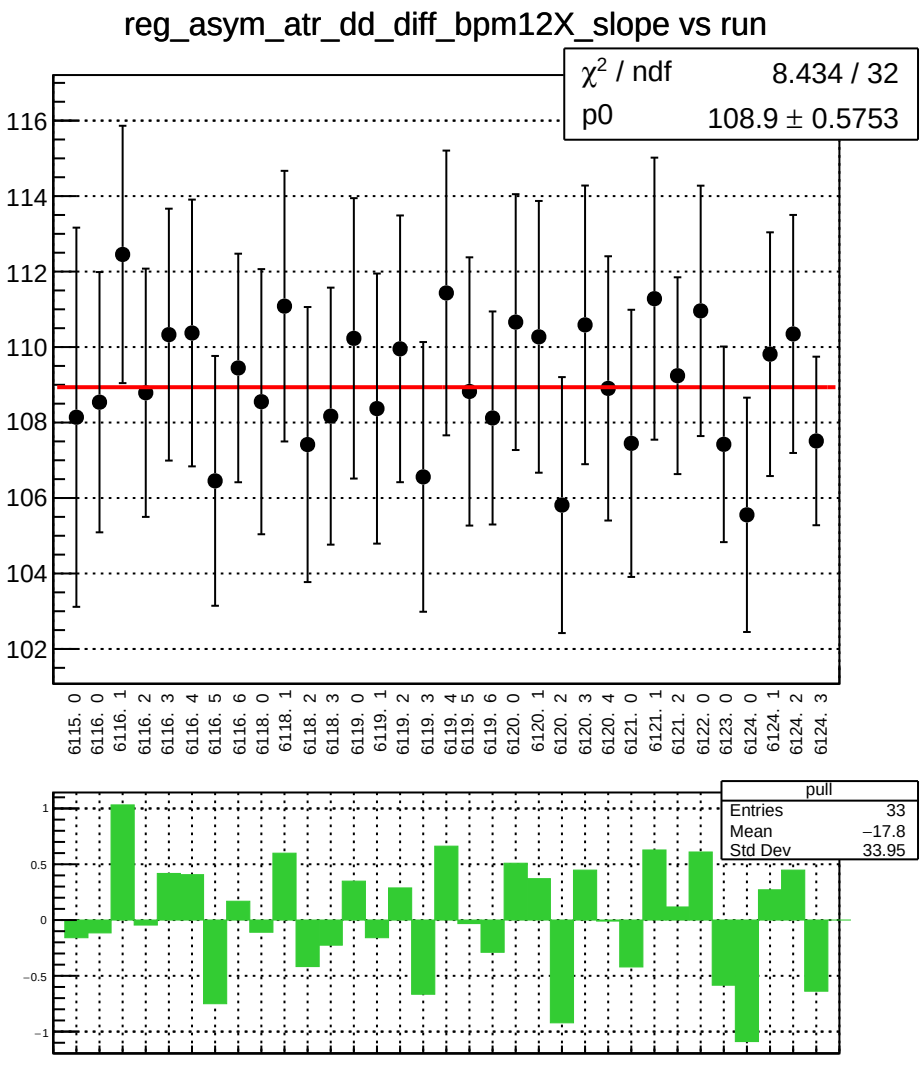

pull1D
Entries 33
Mean 6.706e−05
Std Dev 0.3124
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

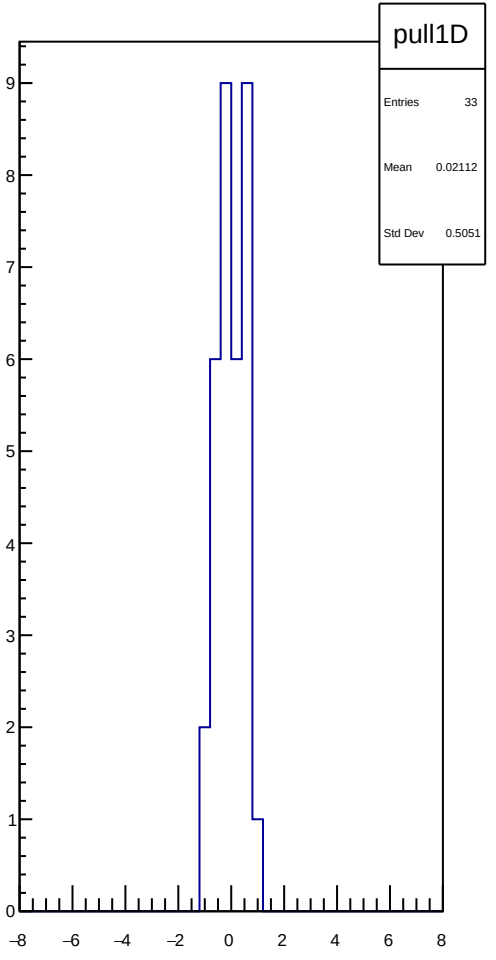

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.895 / 32
p0 −375.7 ± 13.13
−200
−250
−300
−350
−400
−450
−500
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −102.9
Std Dev 114
0.4
0.2
0
−0.2
−0.4

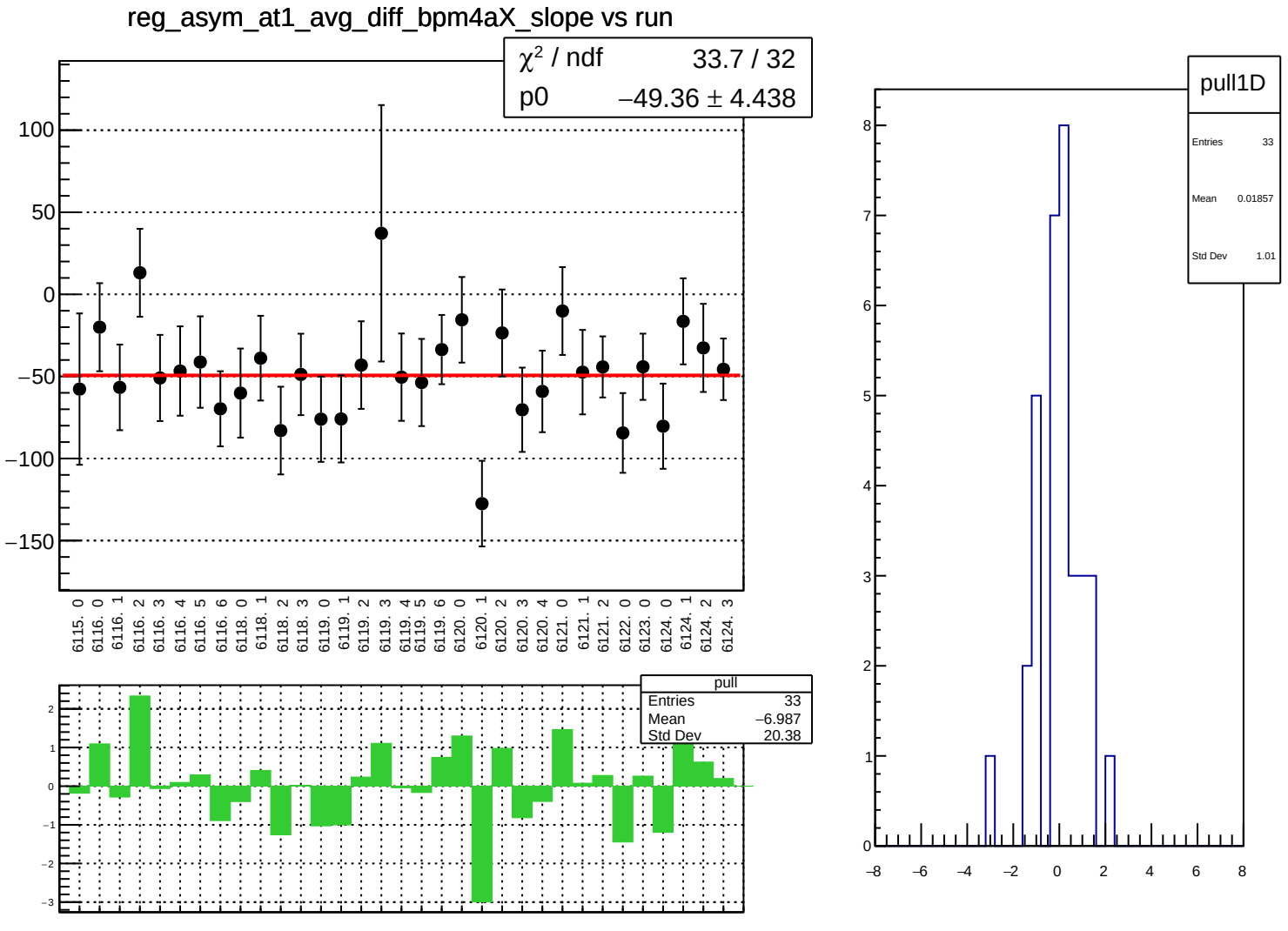

pull1D
Entries 33
Mean 0.003074
Std Dev 0.2962
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

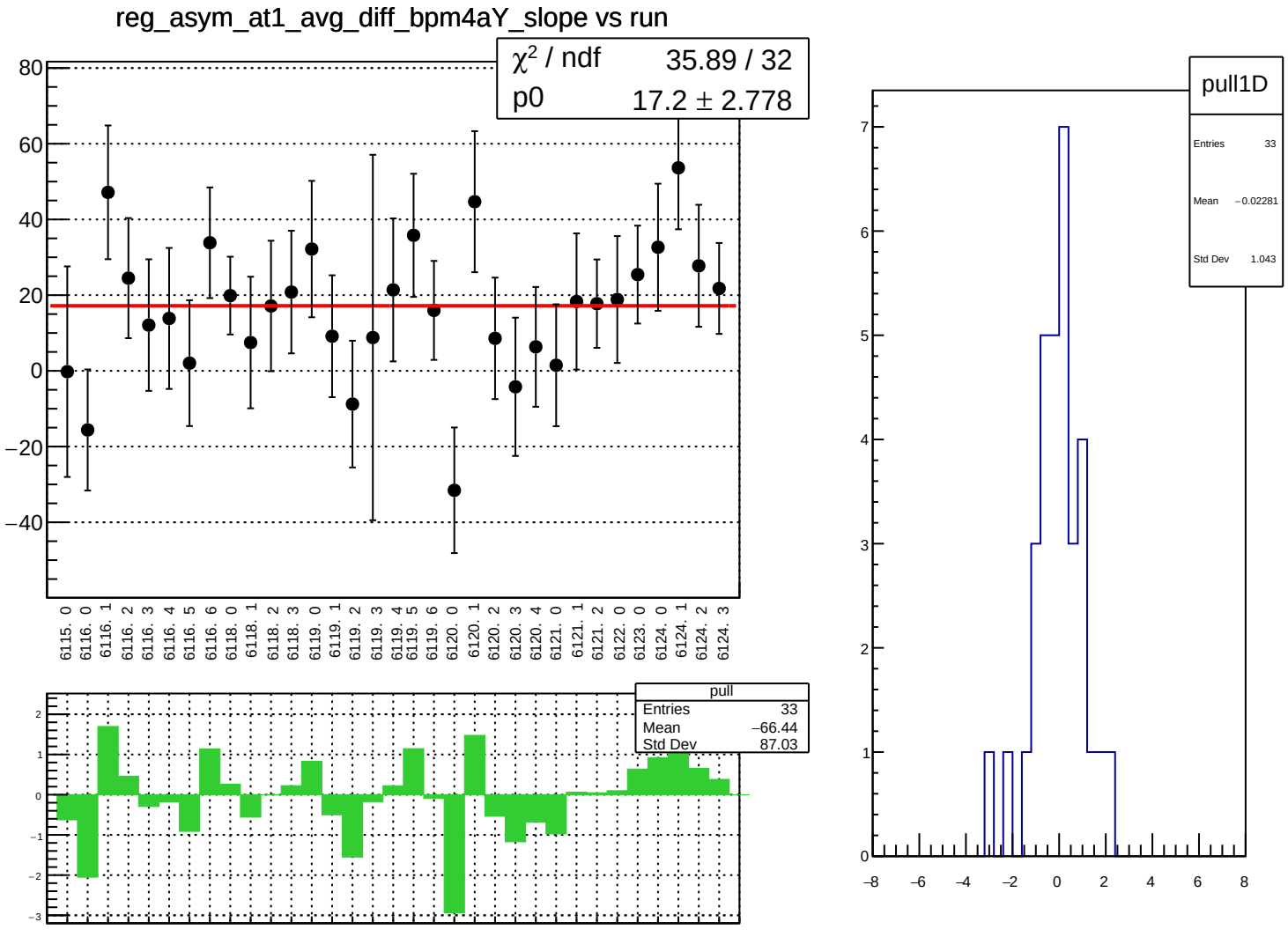

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.686 / 32
p0 −124 ± 7.527
−20
−40
−60
−80
−100
−120
−140
−160
−180
−200
−220
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −36.68
Std Dev 56.05
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

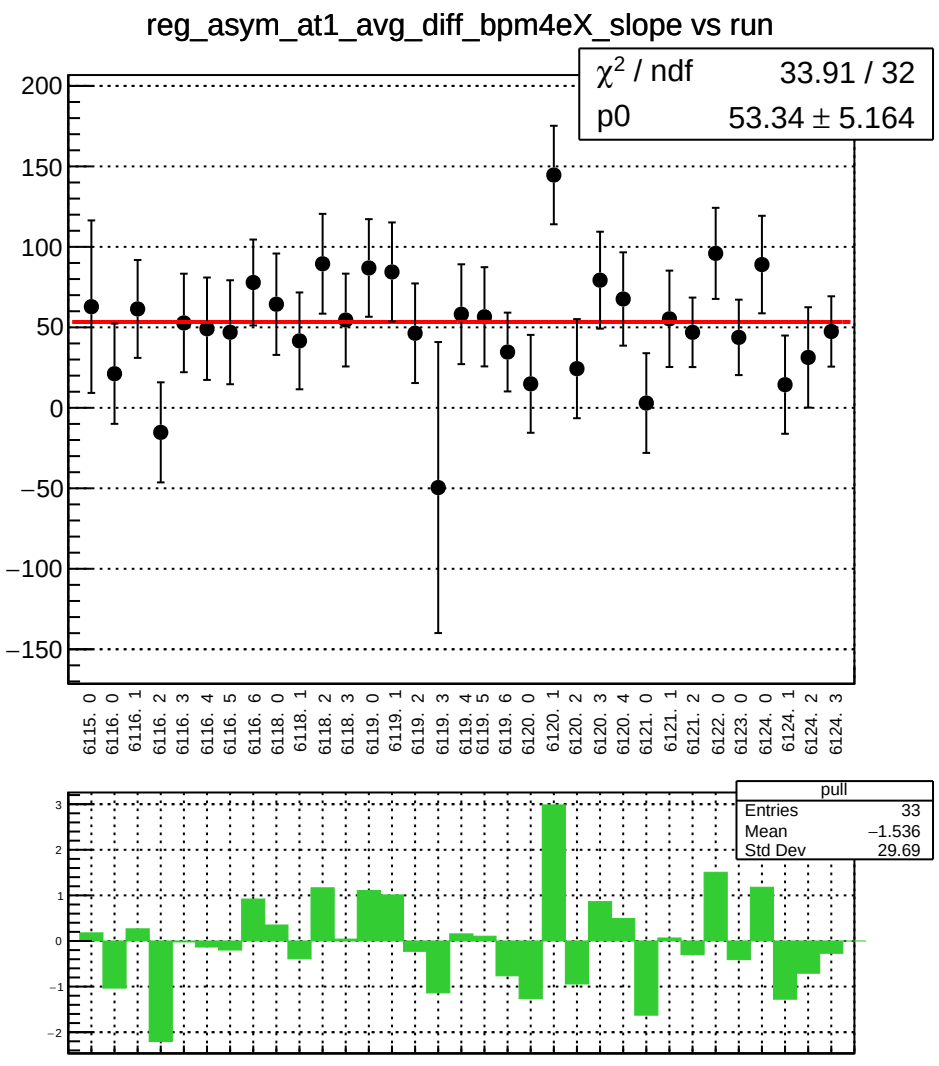

pull1D
Entries 33
Mean 0.006737
Std Dev 0.3341
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

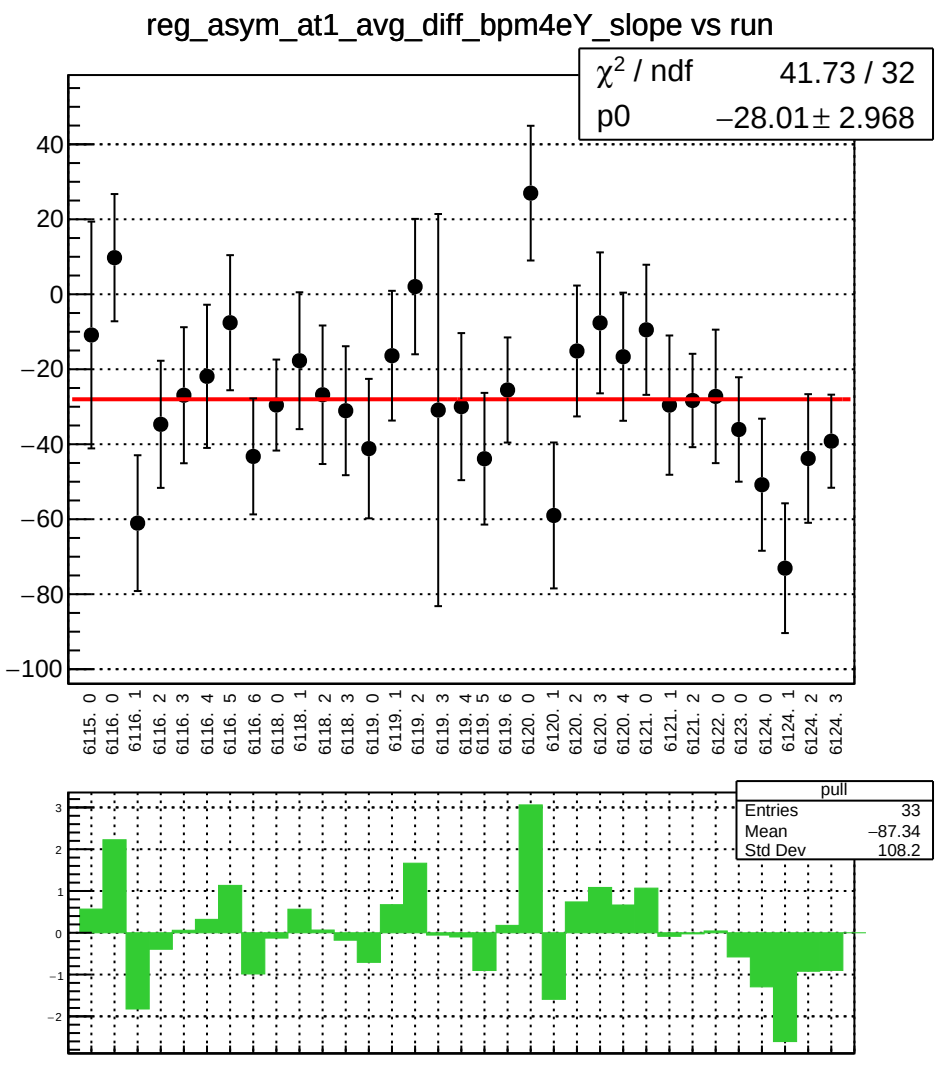

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 8.434 / 32
p0 108.9 ± 0.5753
116
114
112
110
108
106
104
102
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −17.8
Std Dev 33.95
1
0.5
0
−0.5
−1

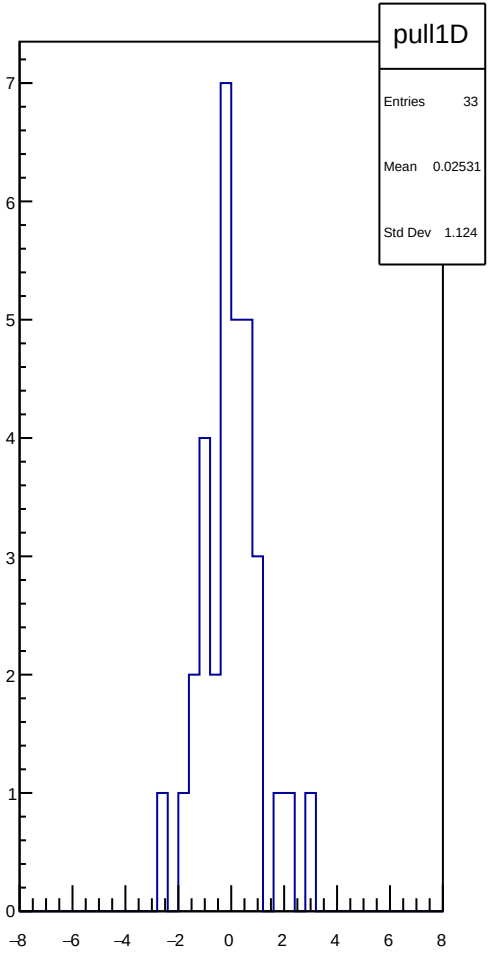

pull1D
Entries 33
Mean 0.02112
Std Dev 0.5051
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

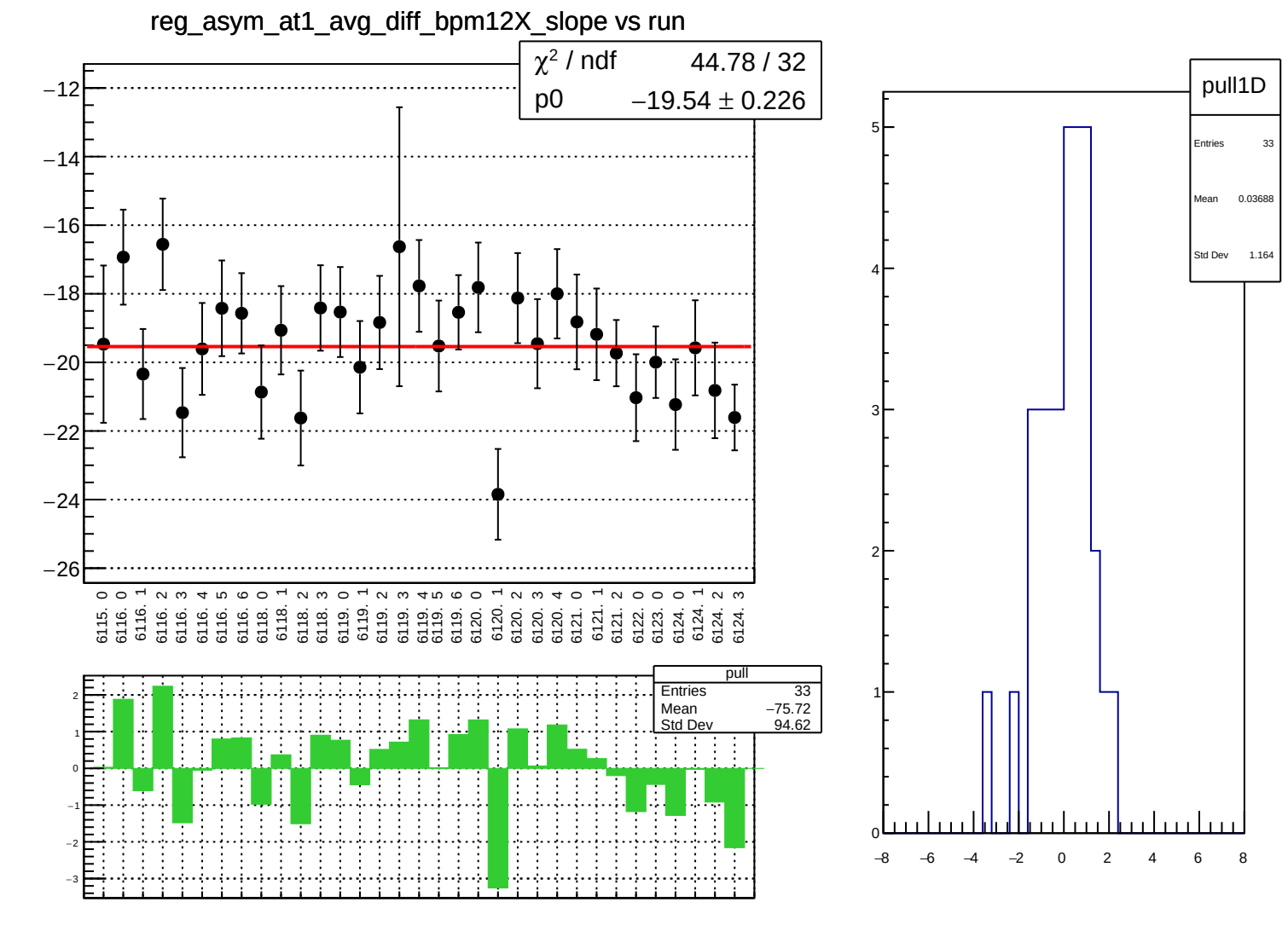

reg_asym_at1_avg_diff_bpm4aX_slope vs run
χ² / ndf 33.7 / 32
p0 −49.36 ± 4.438
100
50
0
−50
−100
−150
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −6.987
Std Dev 20.38
2
1
0
−1
−2
−3
pull1D
Entries 33
Mean 0.01857
Std Dev 1.01
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

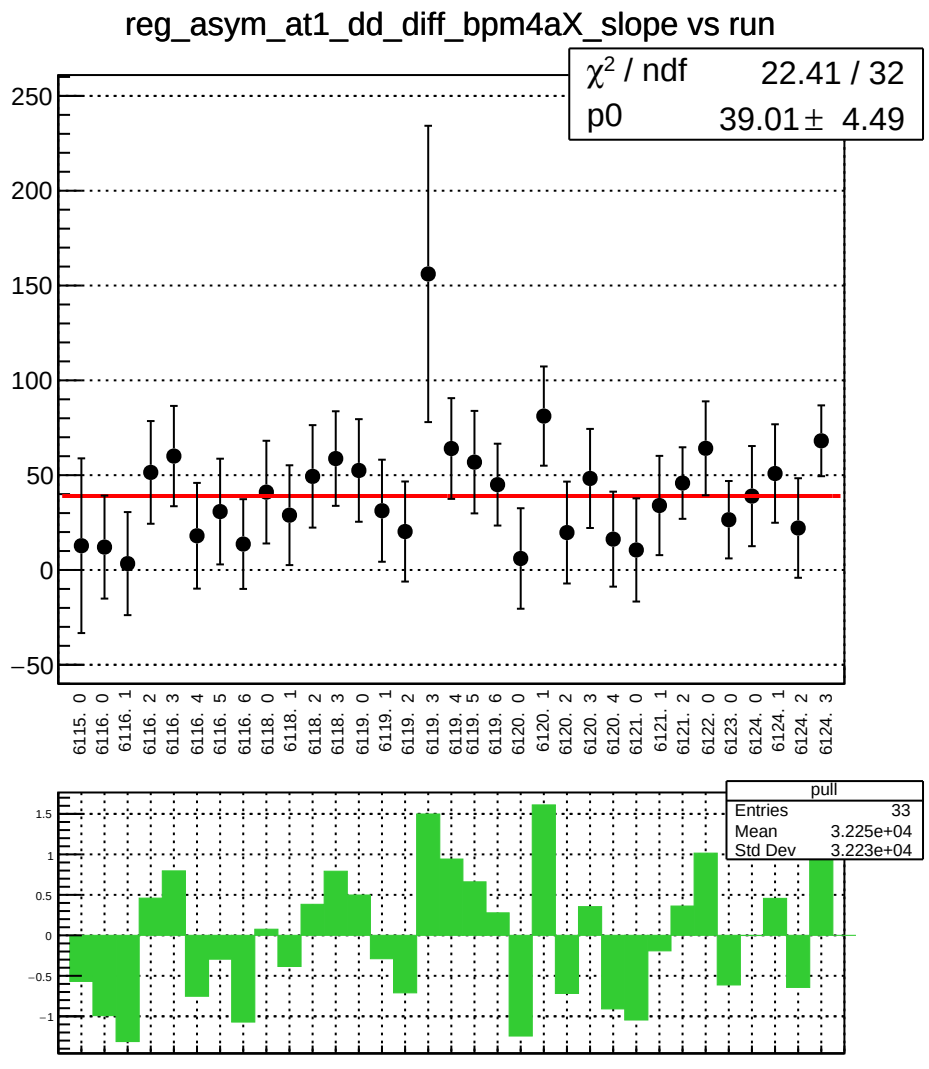

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 35.89 / 32
p0 17.2 ± 2.778
80
60
40
20
0
−20
−40
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −66.44
Std Dev 87.03
2
1
0
−1
−2
−3
pull1D
Entries 33
Mean −0.02281
Std Dev 1.043
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

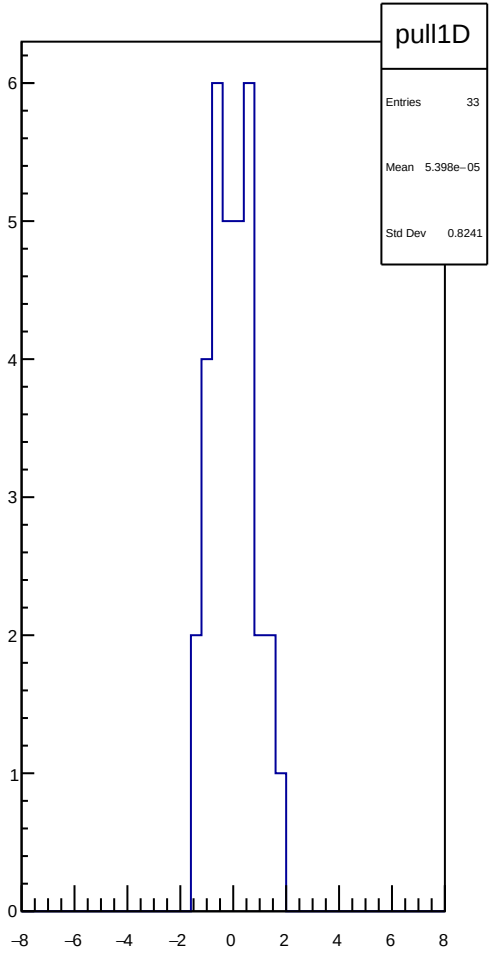

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 33.91 / 32
p0 53.34 ± 5.164
200
150
100
50
0
−50
−100
−150
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −1.536
Std Dev 29.69
3
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.01557
Std Dev 1.014
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

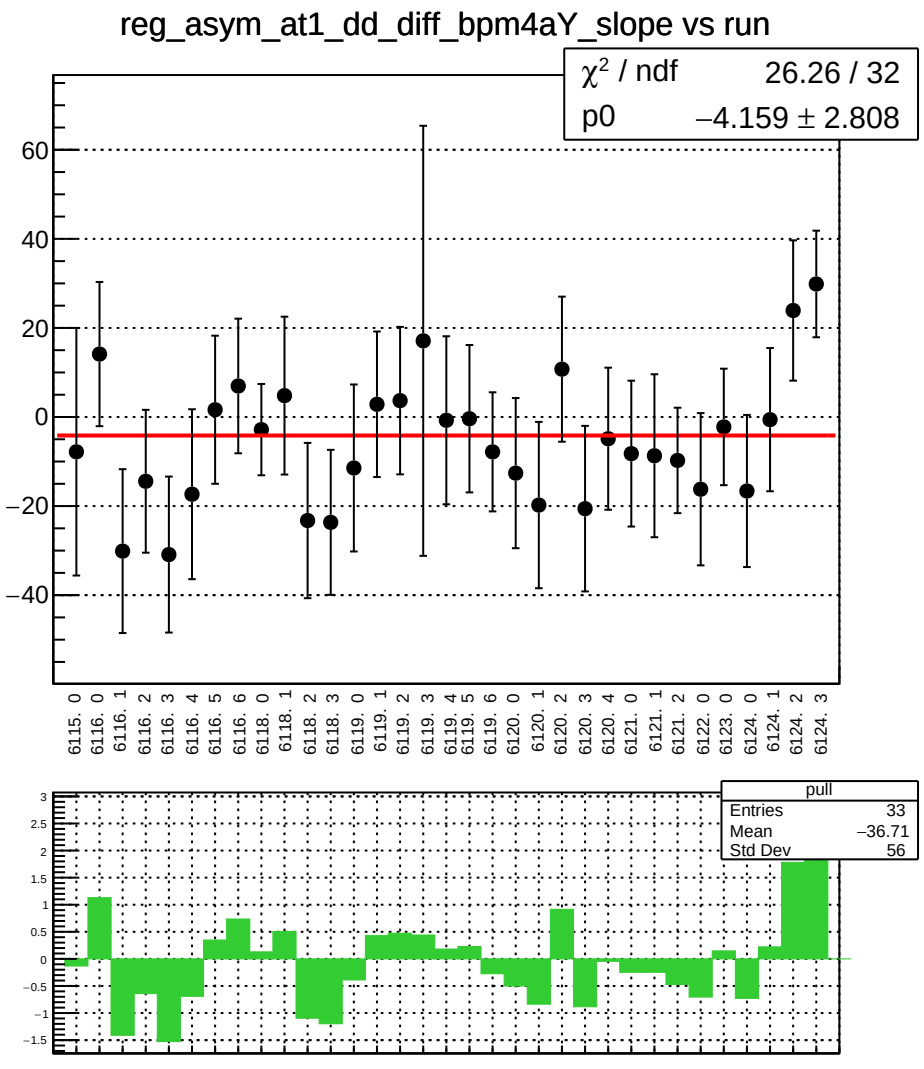

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 41.73 / 32
p0 −28.01± 2.968
40
20
0
−20
−40
−60
−80
−100
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −87.34
Std Dev 108.2
3
2
1
0
−1
−2

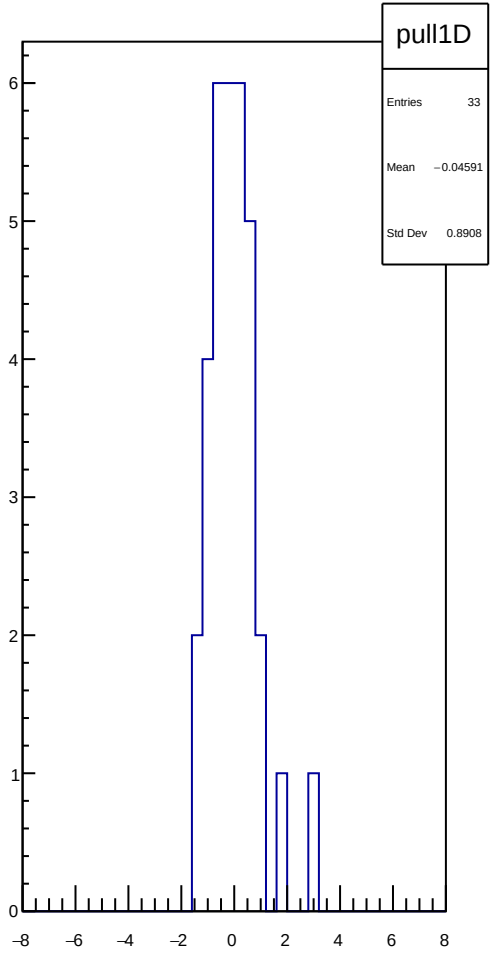

pull1D
Entries 33
Mean 0.02531
Std Dev 1.124
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

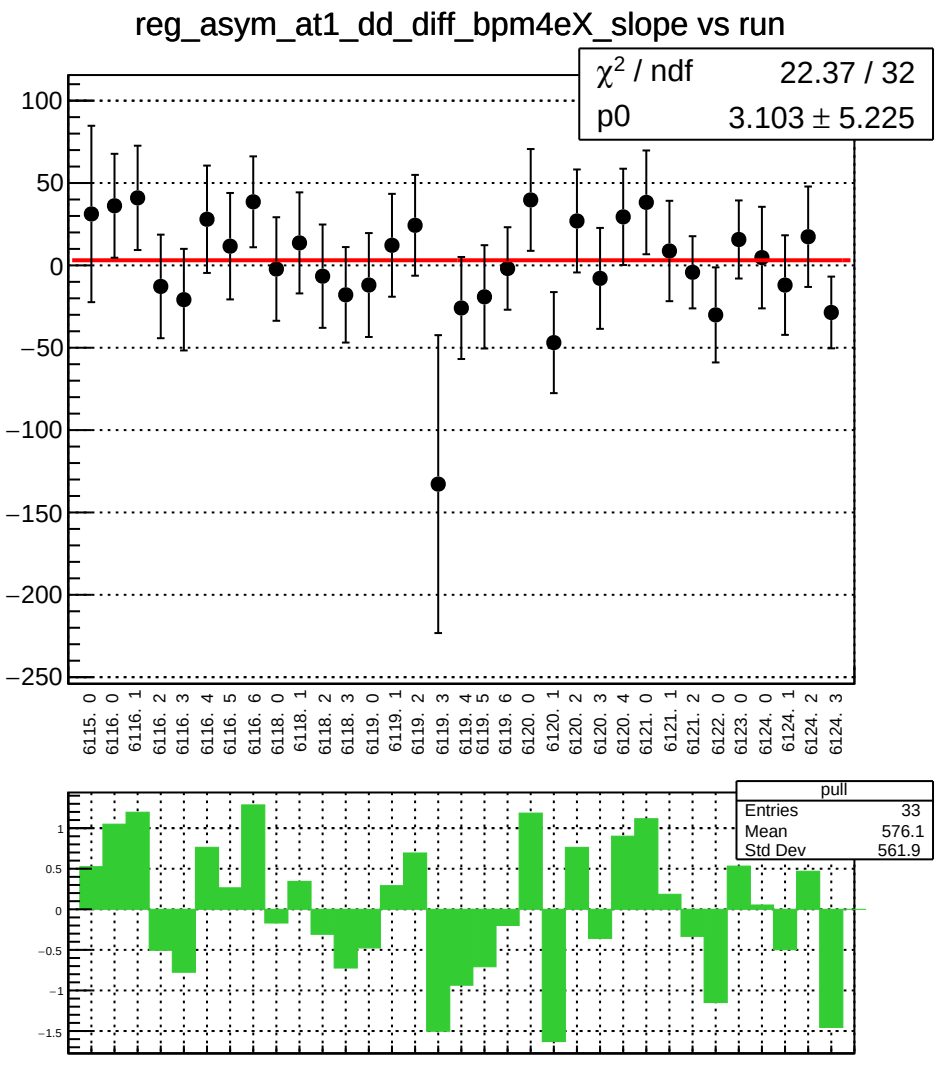

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 44.78 / 32
p0 −19.54 ± 0.226
−12
−14
−16
−18
−20
−22
−24
−26
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −75.72
Std Dev 94.62
2
1
0
−1
−2
−3
pull1D
Entries 33
Mean 0.03688
Std Dev 1.164
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

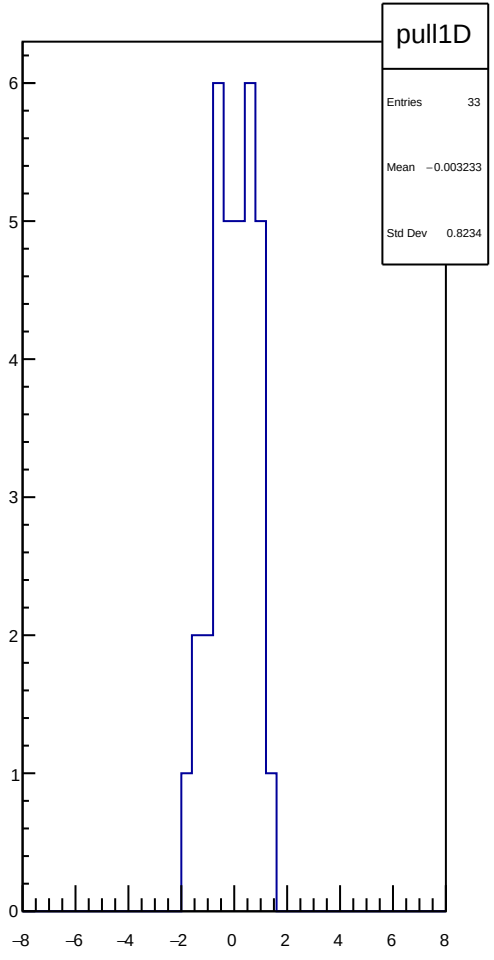

reg_asym_at1_dd_diff_bpm4aX_slope vs run
χ² / ndf 22.41 / 32
p0 39.01 ± 4.49
250
200
150
100
50
0
−50
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 3.225e+04
Std Dev 3.223e+04
1.5
1
0.5
0
−0.5
−1

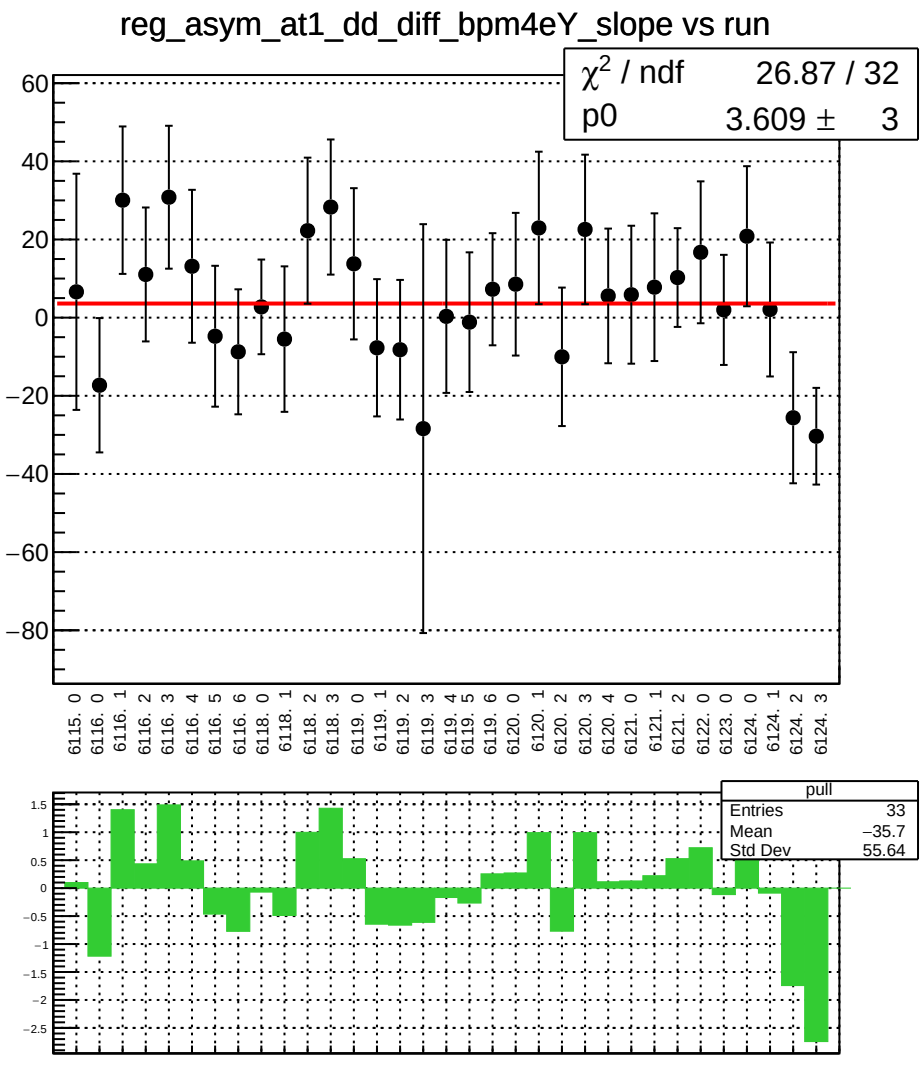

pull1D
Entries 33
Mean 5.398e−05
Std Dev 0.8241
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

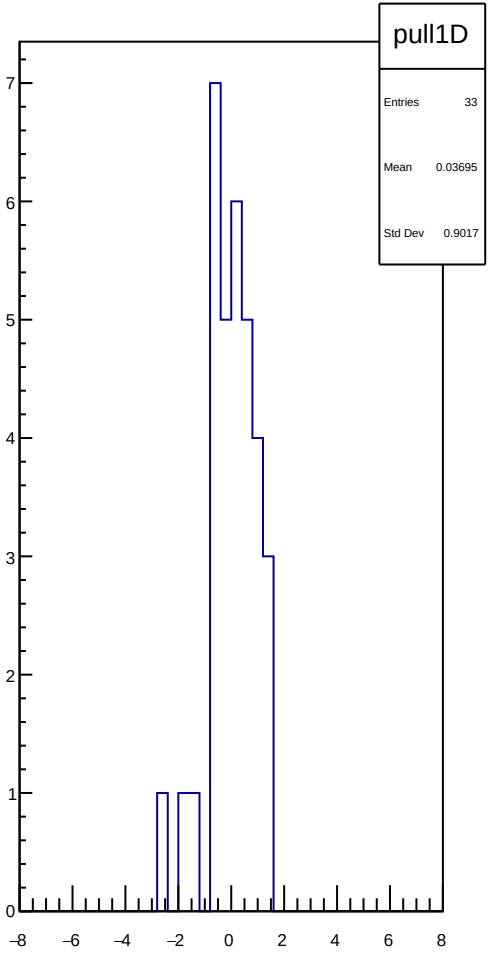

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 26.26 / 32
p0 −4.159 ± 2.808
60
40
20
0
−20
−40
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −36.71
Std Dev 56
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

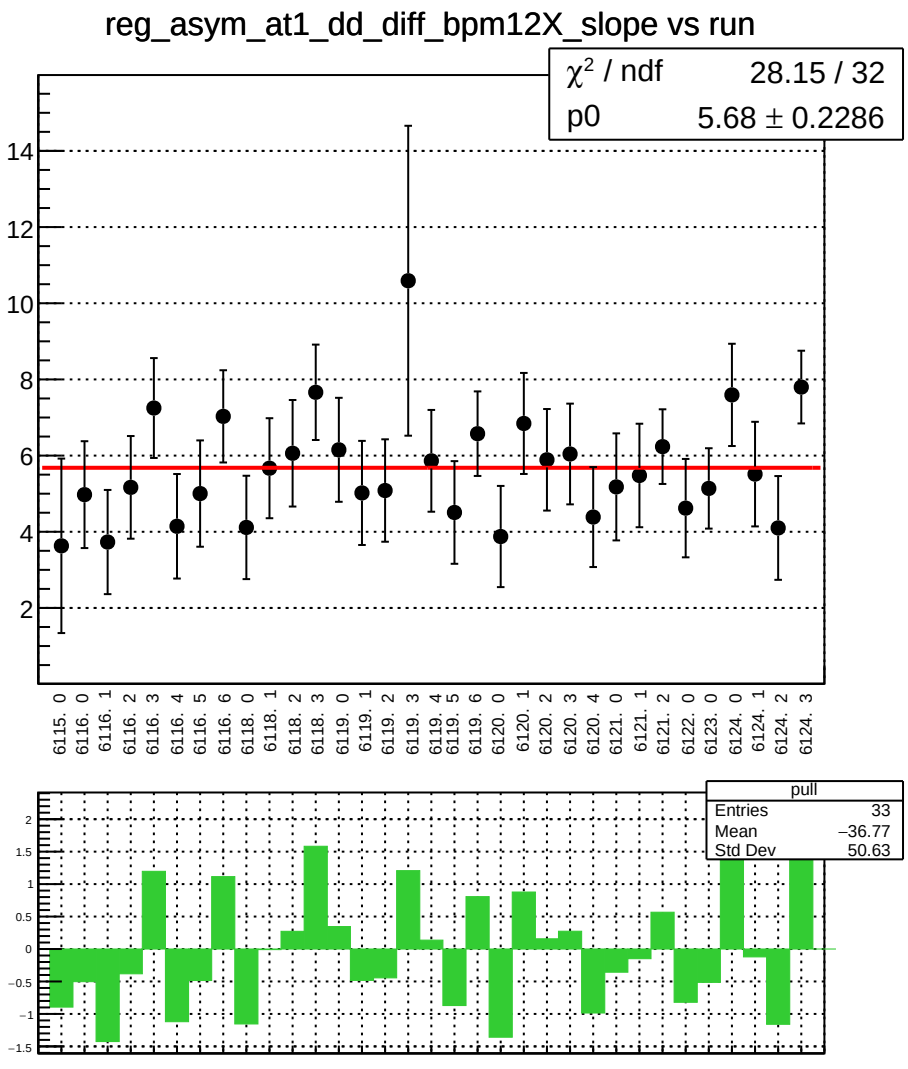

pull1D
Entries 33
Mean −0.04591
Std Dev 0.8908
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

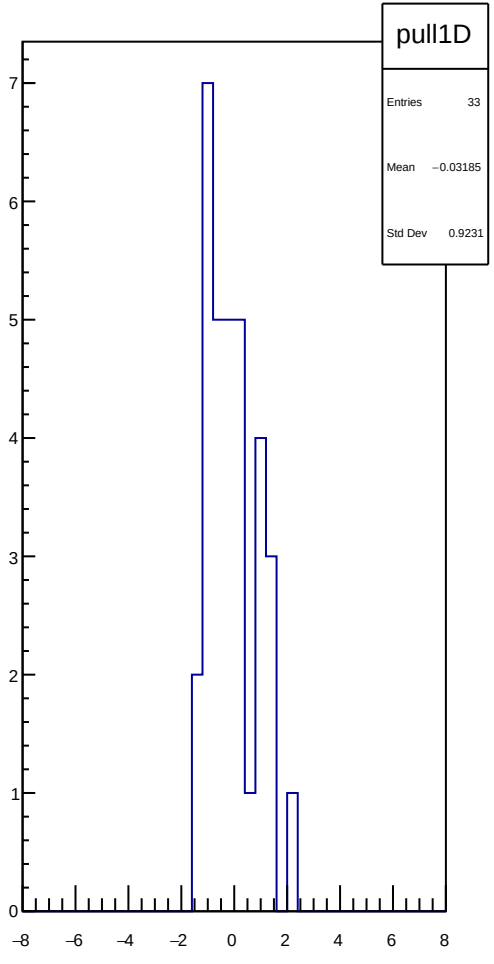

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 22.37 / 32
p0 3.103 ± 5.225
100
50
0
−50
−100
−150
−200
−250
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 576.1
Std Dev 561.9
1
0.5
0
−0.5
−1
−1.5

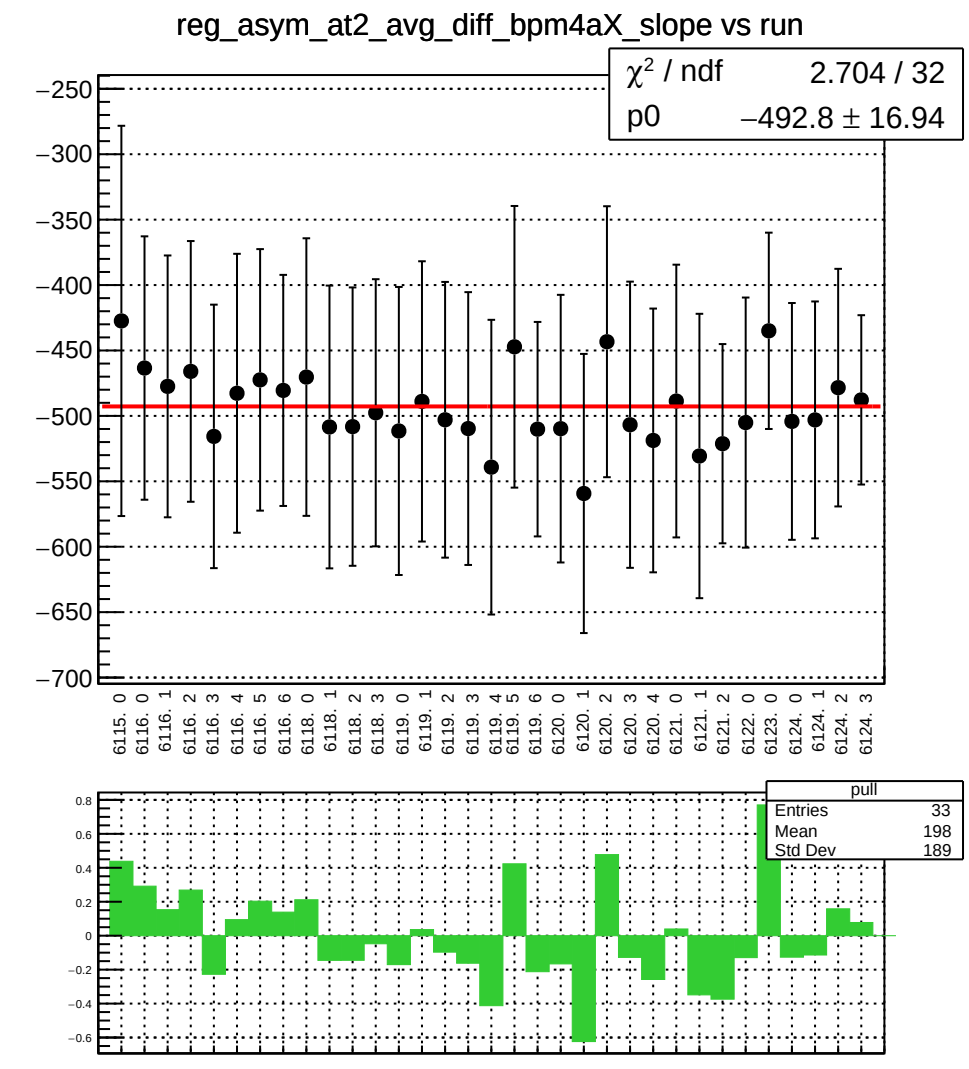

pull1D
Entries 33
Mean −0.003233
Std Dev 0.8234
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

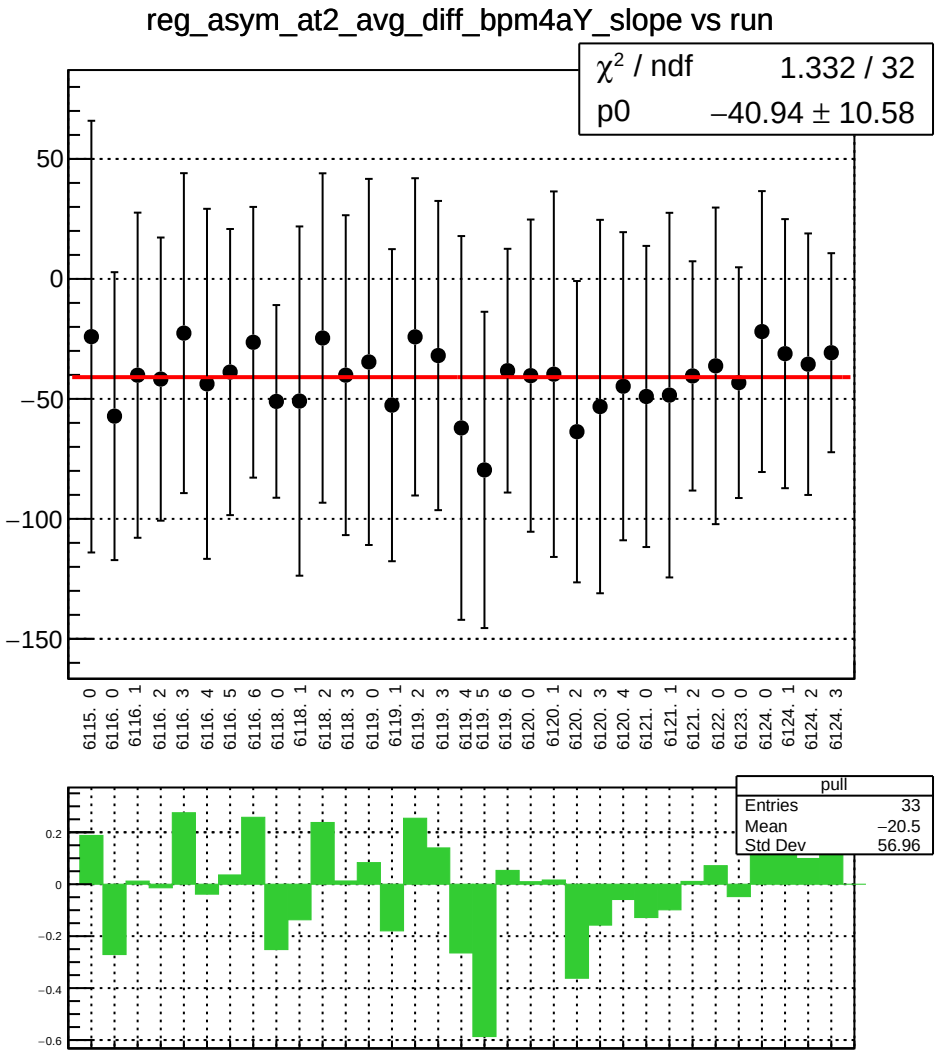

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 26.87 / 32
p0 3.609 ± 3
60
40
20
0
−20
−40
−60
−80
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −35.7
Std Dev 55.64
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

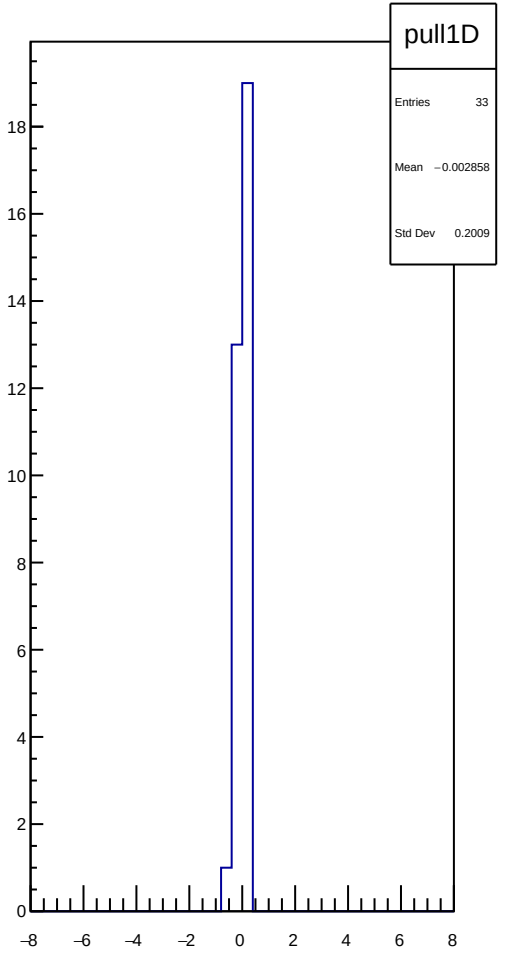

pull1D
Entries 33
Mean 0.03695
Std Dev 0.9017
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

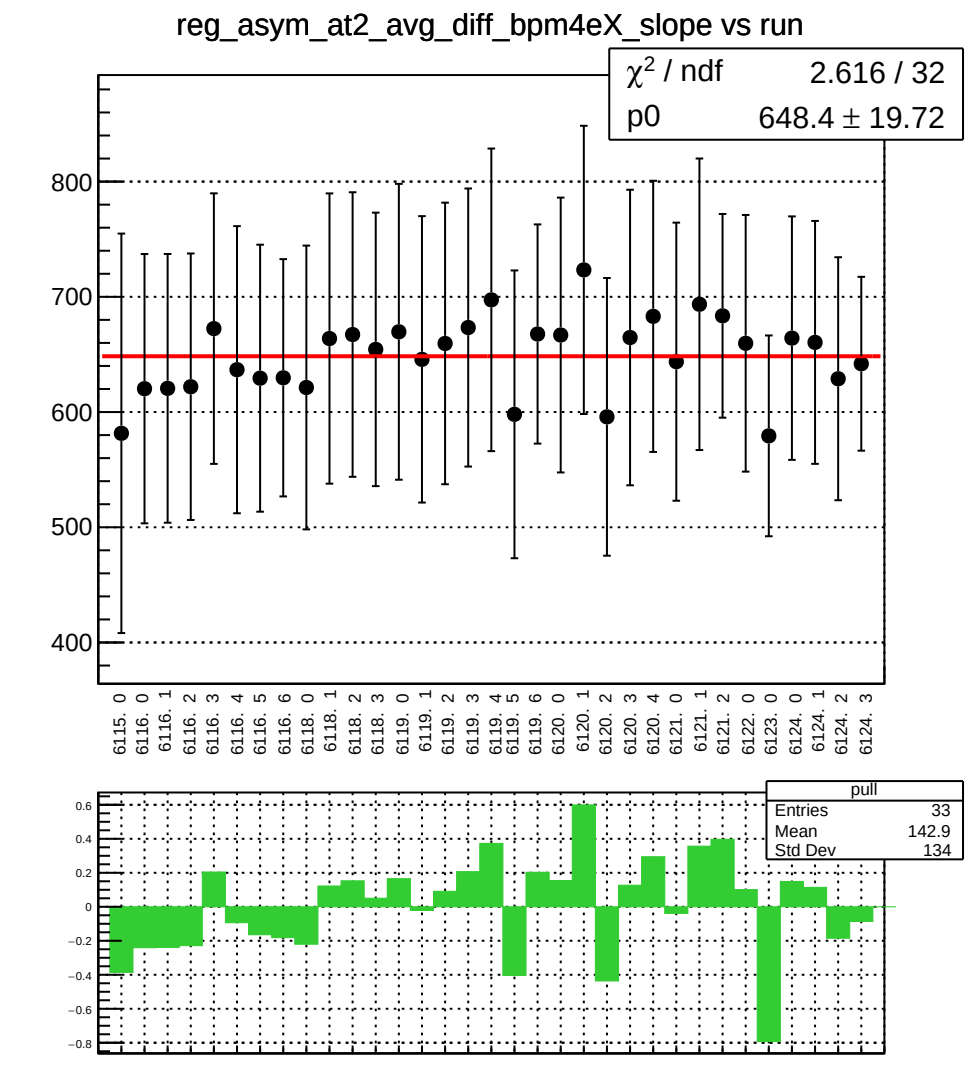

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 28.15 / 32
p0 5.68 ± 0.2286
pull
Entries 33
Mean −36.77
Std Dev 50.63

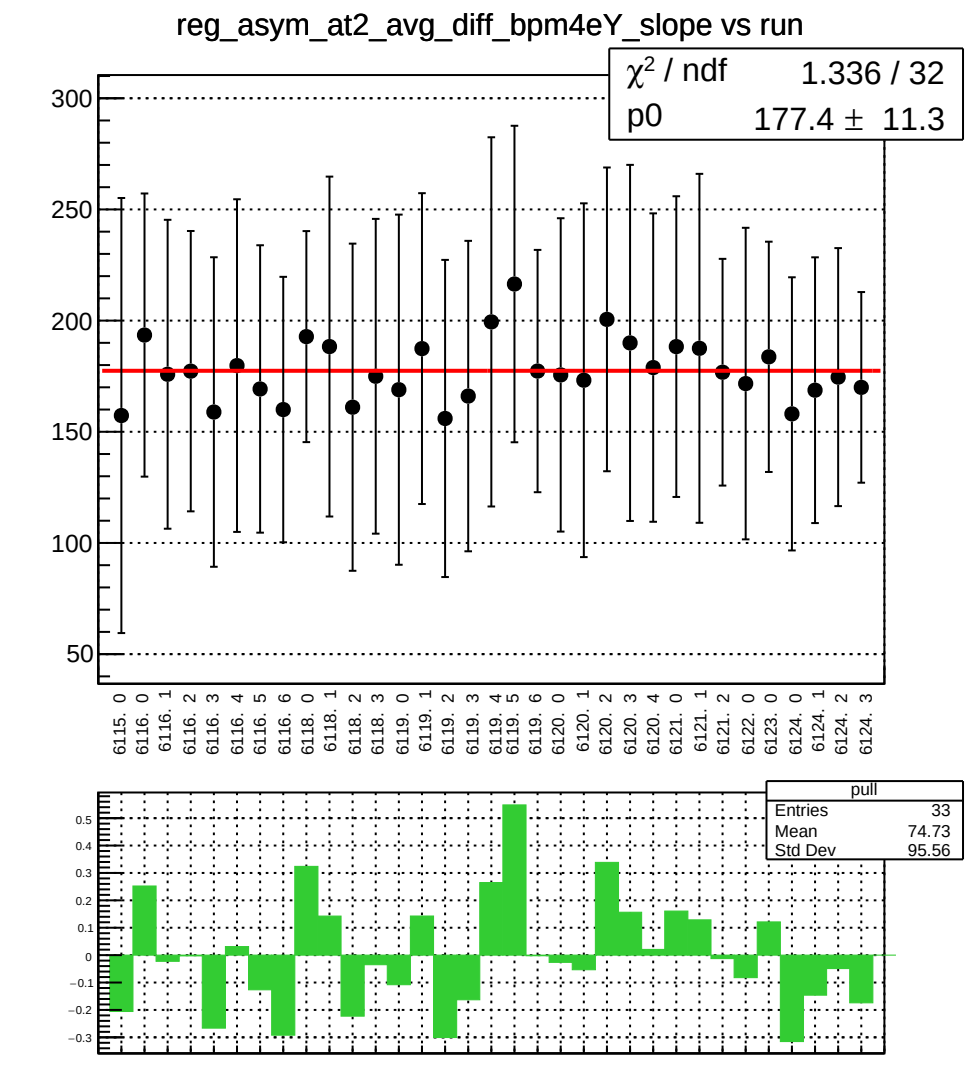

pull1D
Entries 33
Mean −0.03185
Std Dev 0.9231

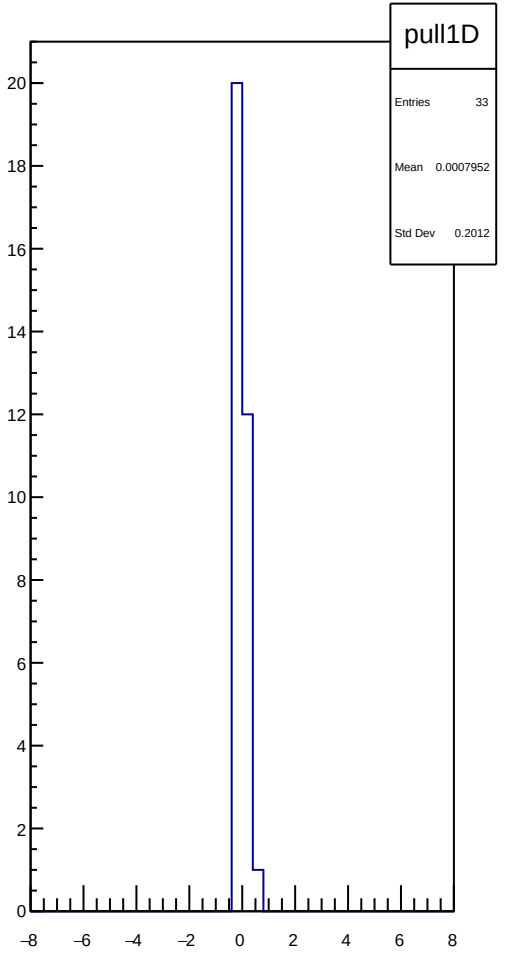

reg_asym_at2_avg_diff_bpm4aX_slope vs run
χ² / ndf 2.704 / 32
p0 −492.8 ± 16.94
−250
−300
−350
−400
−450
−500
−550
−600
−650
−700
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 198
Std Dev 189
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 33
Mean −0.003137
Std Dev 0.2862
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

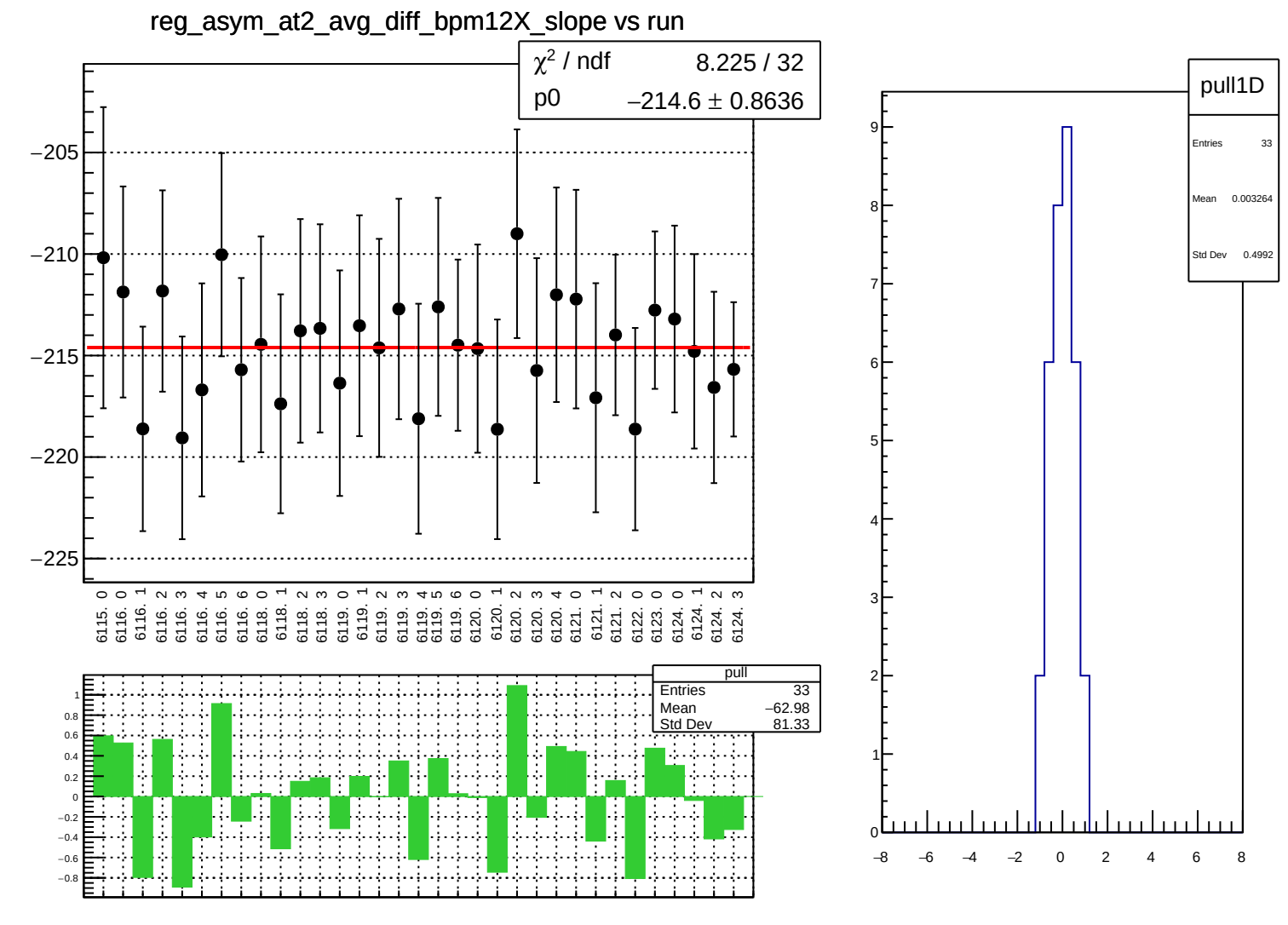

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.332 / 32
p0 −40.94 ± 10.58
50
0
−50
−100
−150
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −20.5
Std Dev 56.96
0.2
0
−0.2
−0.4
−0.6

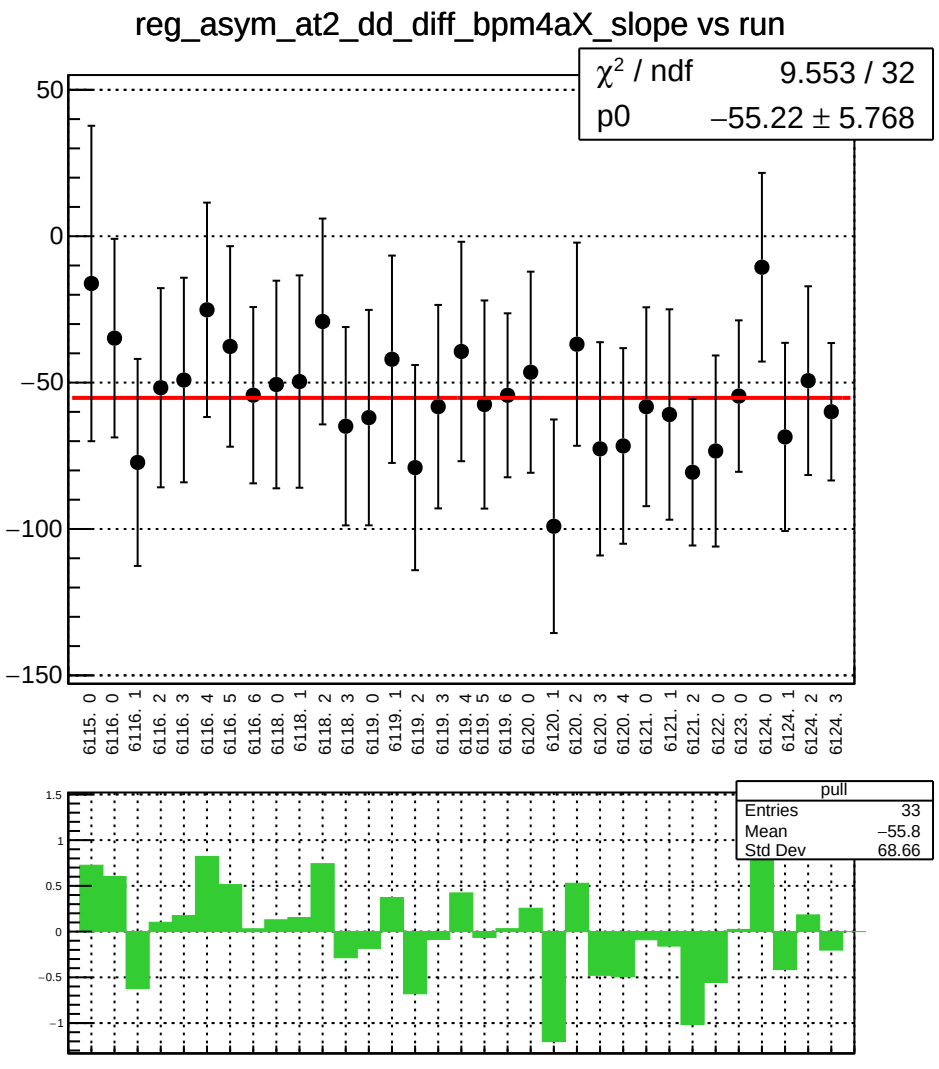

pull1D
Entries 33
Mean −0.002858
Std Dev 0.2009
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

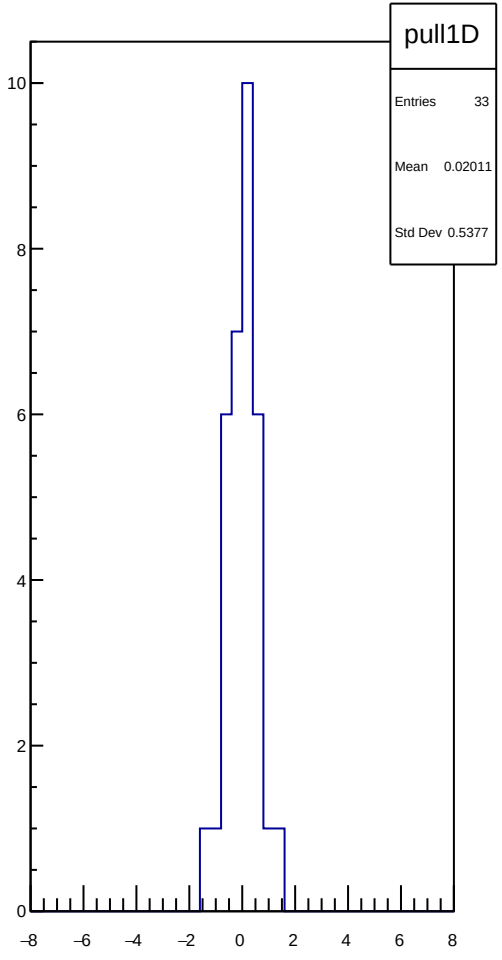

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.616 / 32
p0 648.4 ± 19.72
800
700
600
500
400
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 142.9
Std Dev 134
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 33
Mean 0.004329
Std Dev 0.2815
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

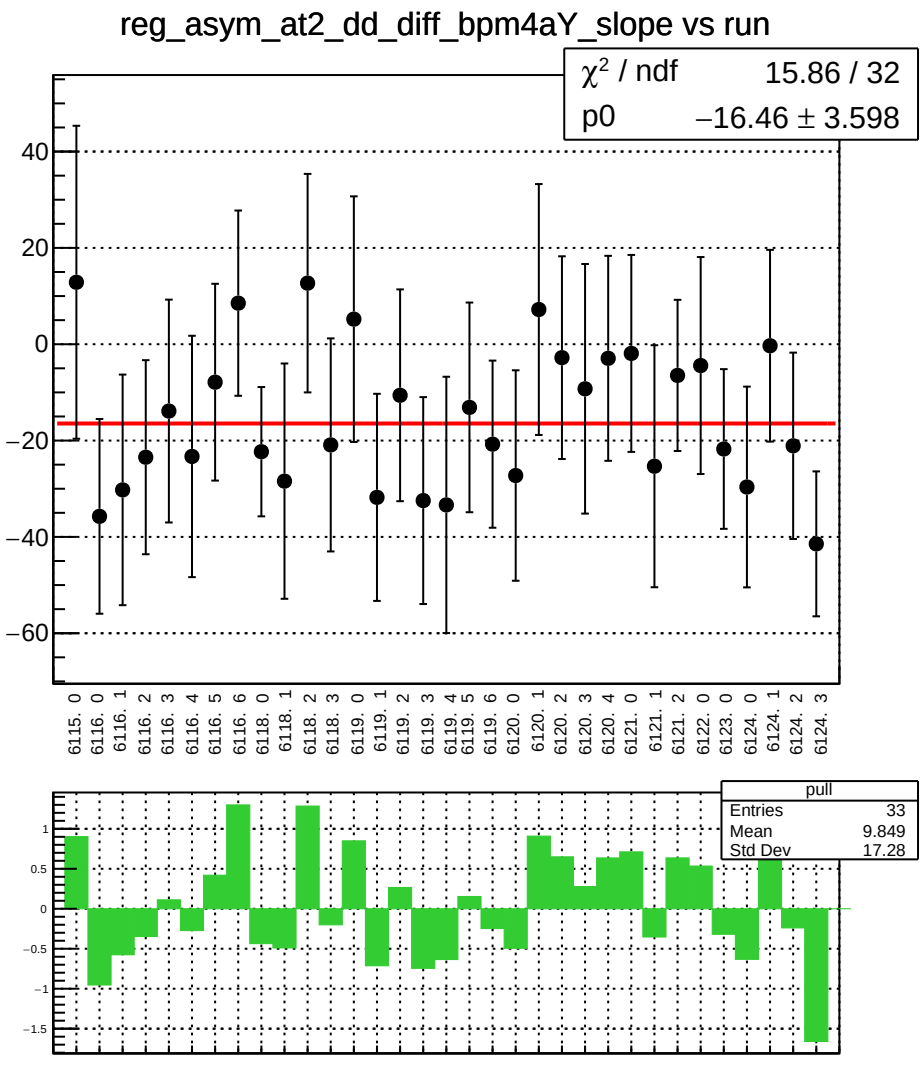

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.336 / 32
p0 177.4 ± 11.3
300
250
200
150
100
50
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 74.73
Std Dev 95.56
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3

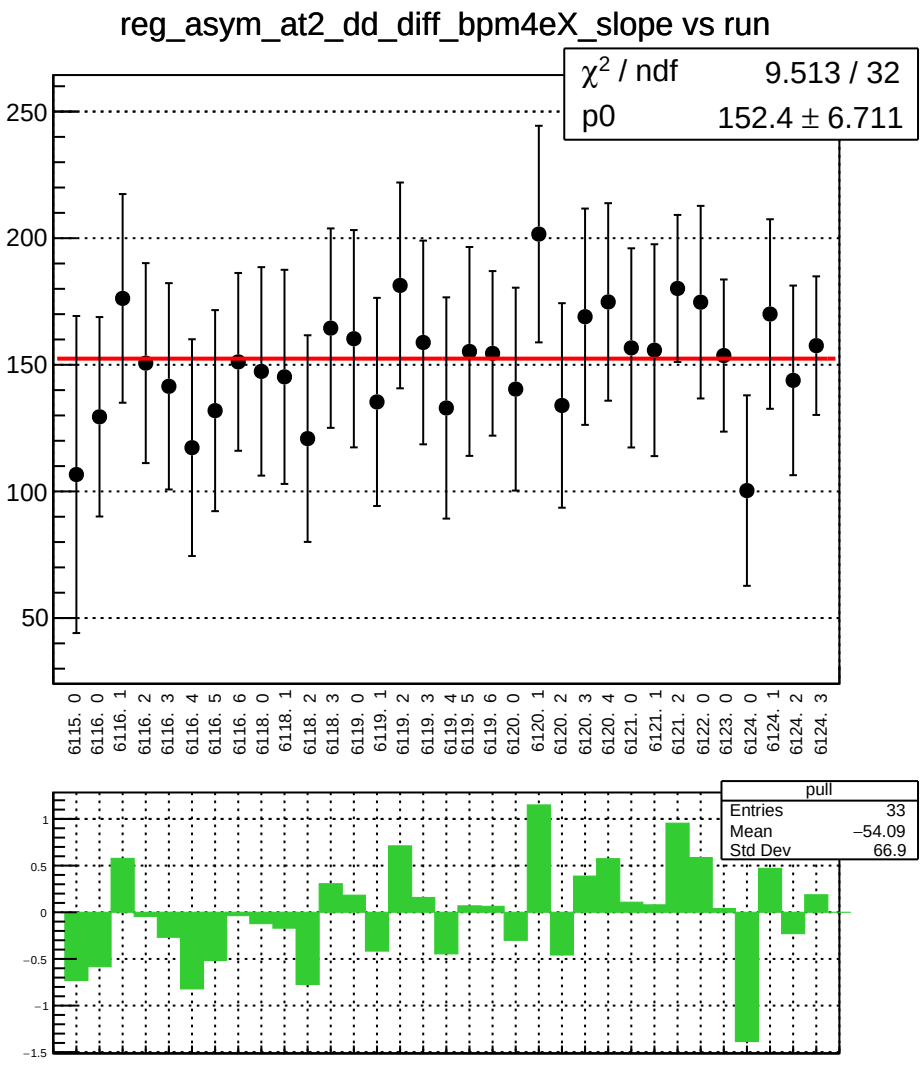

pull1D
Entries 33
Mean 0.0007952
Std Dev 0.2012
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

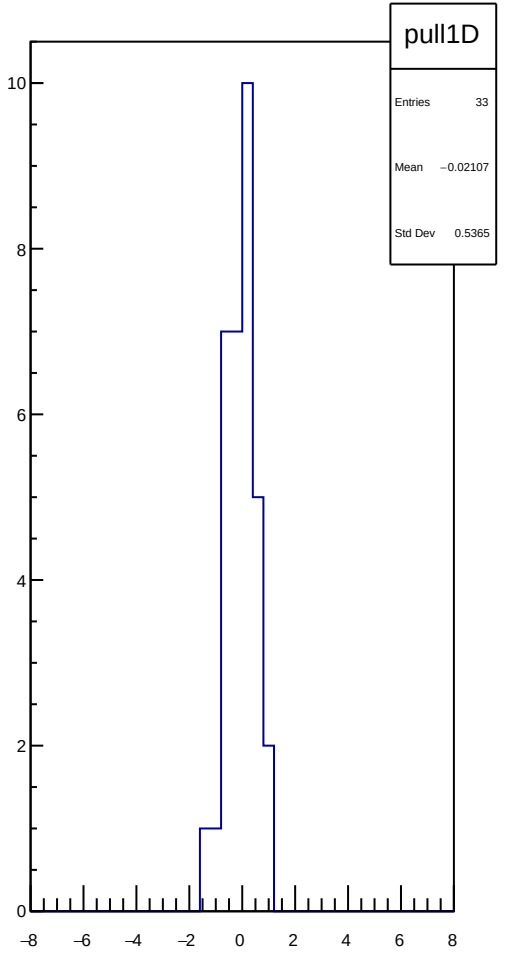

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 8.225 / 32
p0 −214.6 ± 0.8636
−205
−210
−215
−220
−225
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −62.98
Std Dev 81.33
pull1D
Entries 33
Mean 0.003264
Std Dev 0.4992

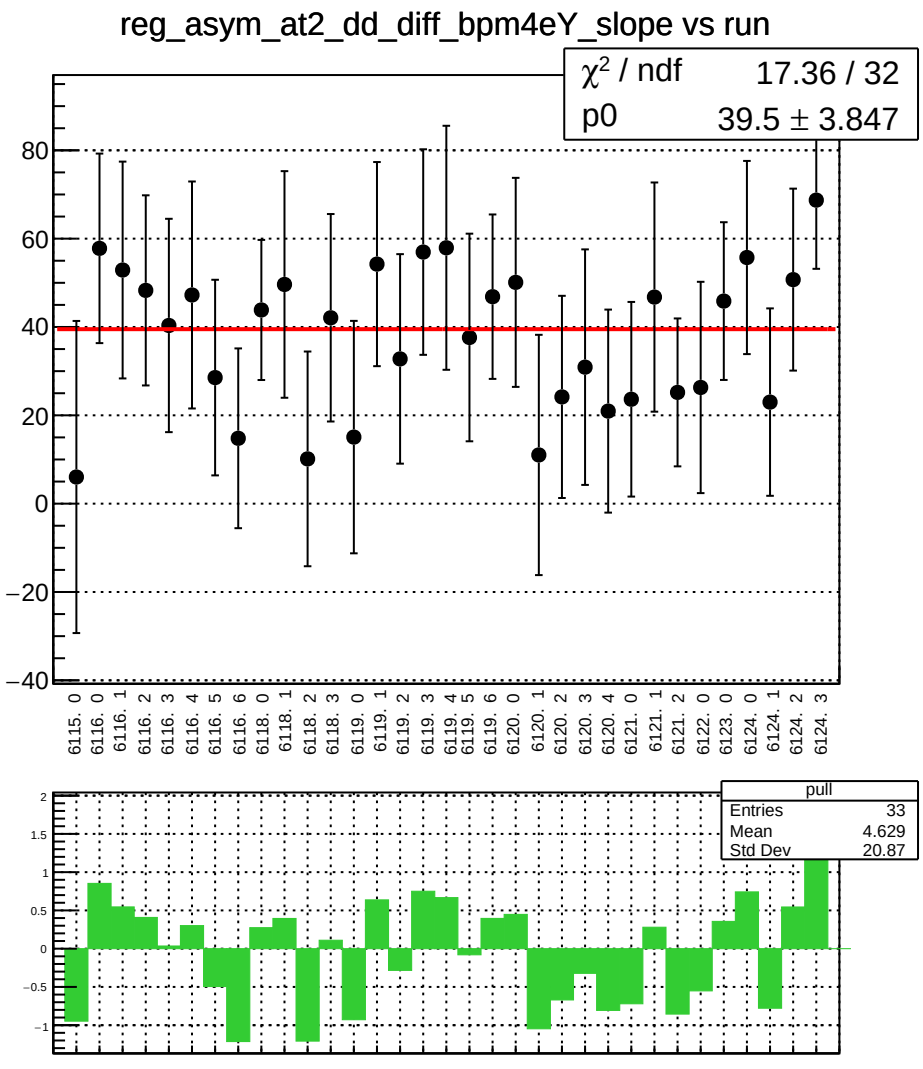

reg_asym_at2_dd_diff_bpm4aX_slope vs run
χ² / ndf 9.553 / 32
p0 −55.22 ± 5.768
50
0
−50
−100
−150
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −55.8
Std Dev 68.66
1.5
1
0.5
0
−0.5
−1

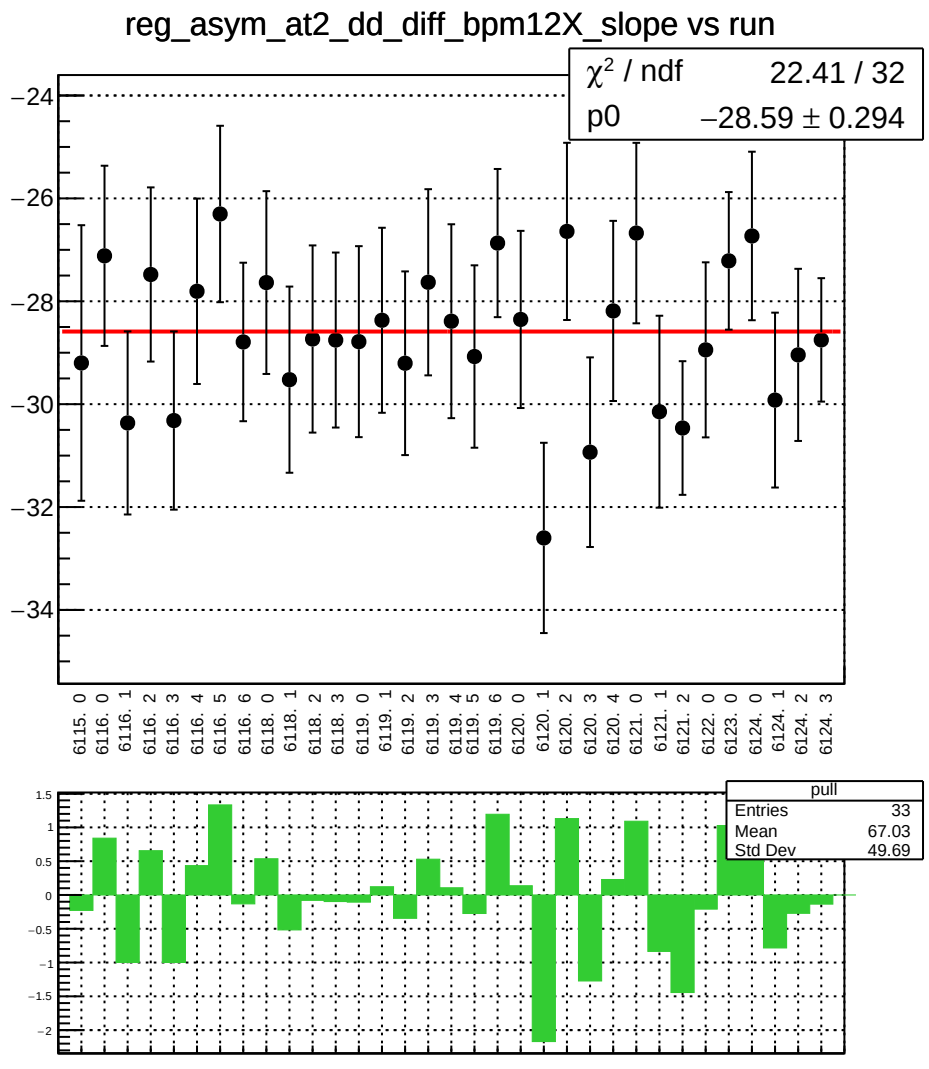

pull1D
Entries 33
Mean 0.02011
Std Dev 0.5377
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

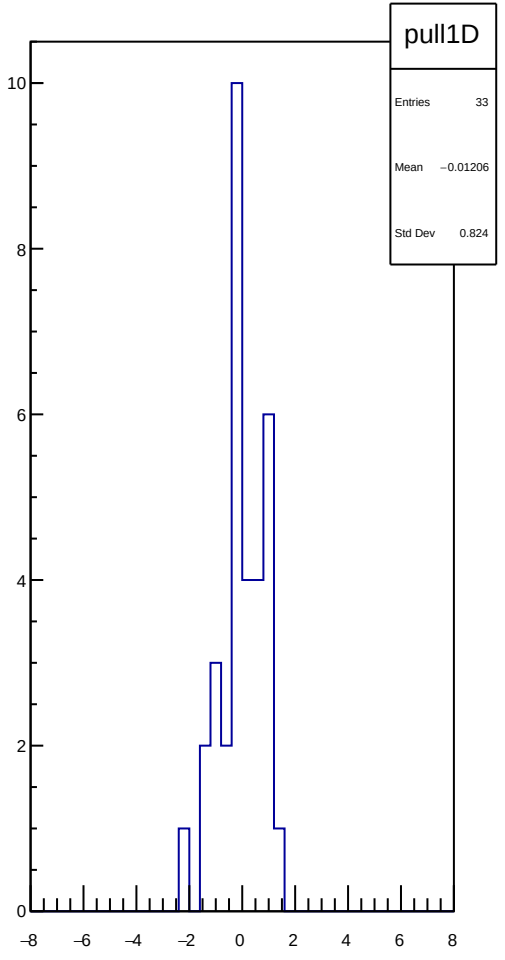

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.86 / 32
p0 −16.46 ± 3.598
40
20
0
−20
−40
−60
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 9.849
Std Dev 17.28
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.03443
Std Dev 0.6925
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

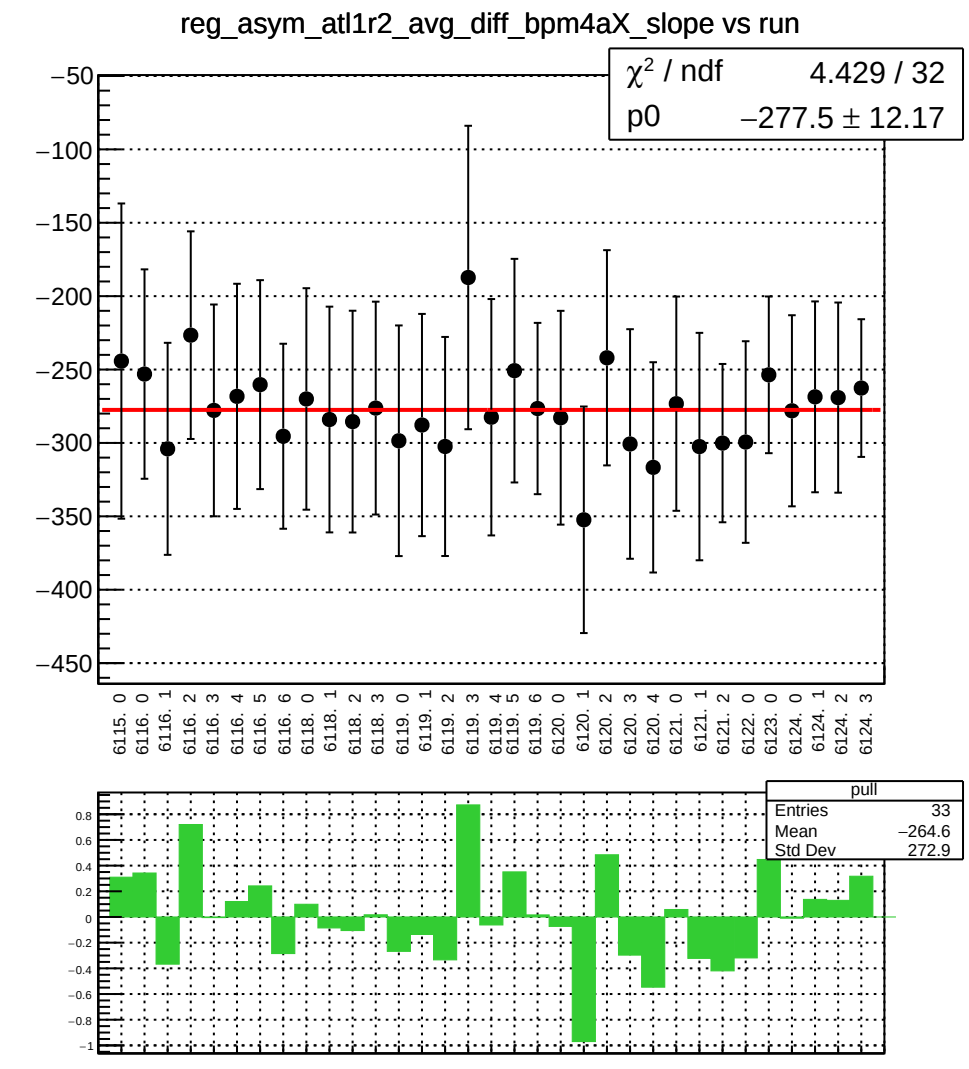

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 9.513 / 32
p0 152.4 ± 6.711
250
200
150
100
50
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −54.09
Std Dev 66.9
1
0.5
0
−0.5
−1
−1.5

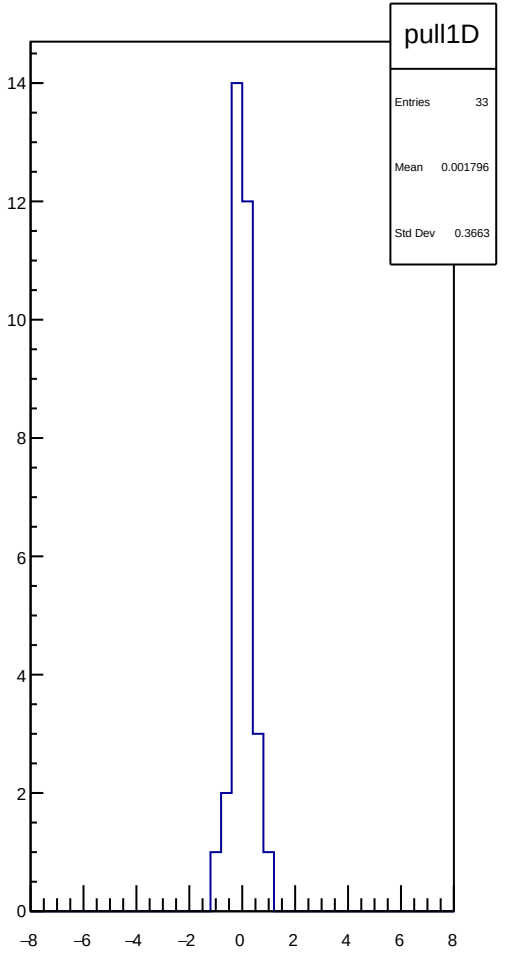

pull1D
Entries 33
Mean −0.02107
Std Dev 0.5365
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

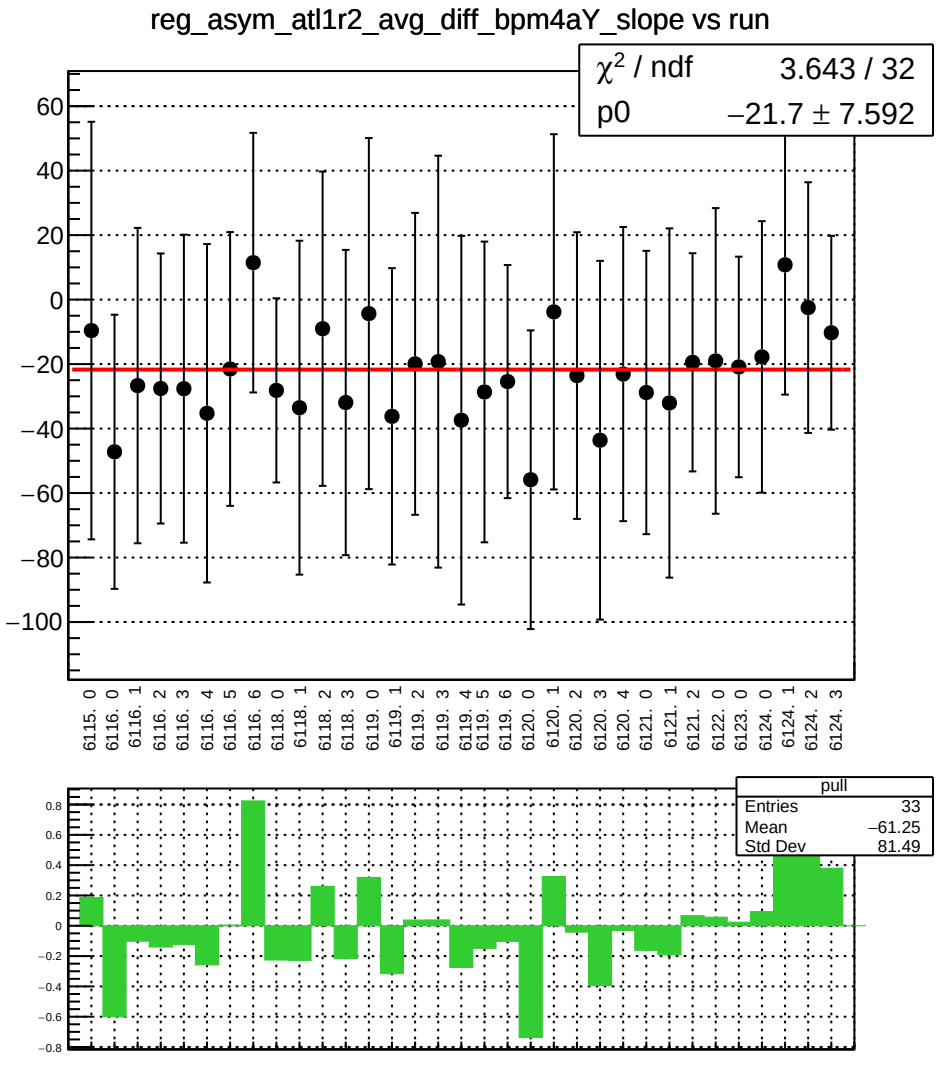

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 17.36 / 32
p0 39.5 ± 3.847
80
60
40
20
0
−20
−40
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 4.629
Std Dev 20.87
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 33
Mean −0.03894
Std Dev 0.7243
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

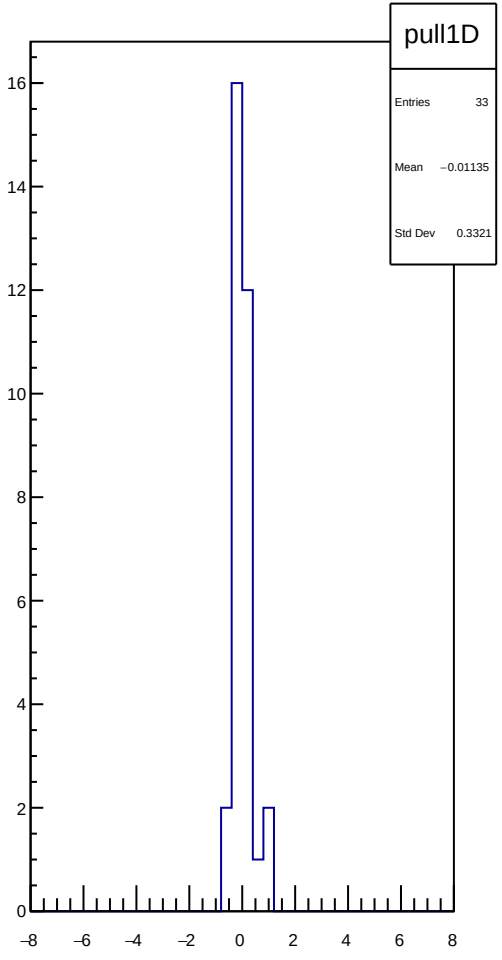

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 22.41 / 32
p0 −28.59 ± 0.294
−24
−26
−28
−30
−32
−34
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 67.03
Std Dev 49.69
1.5
1
0.5
0
−0.5
−1
−1.5
−2

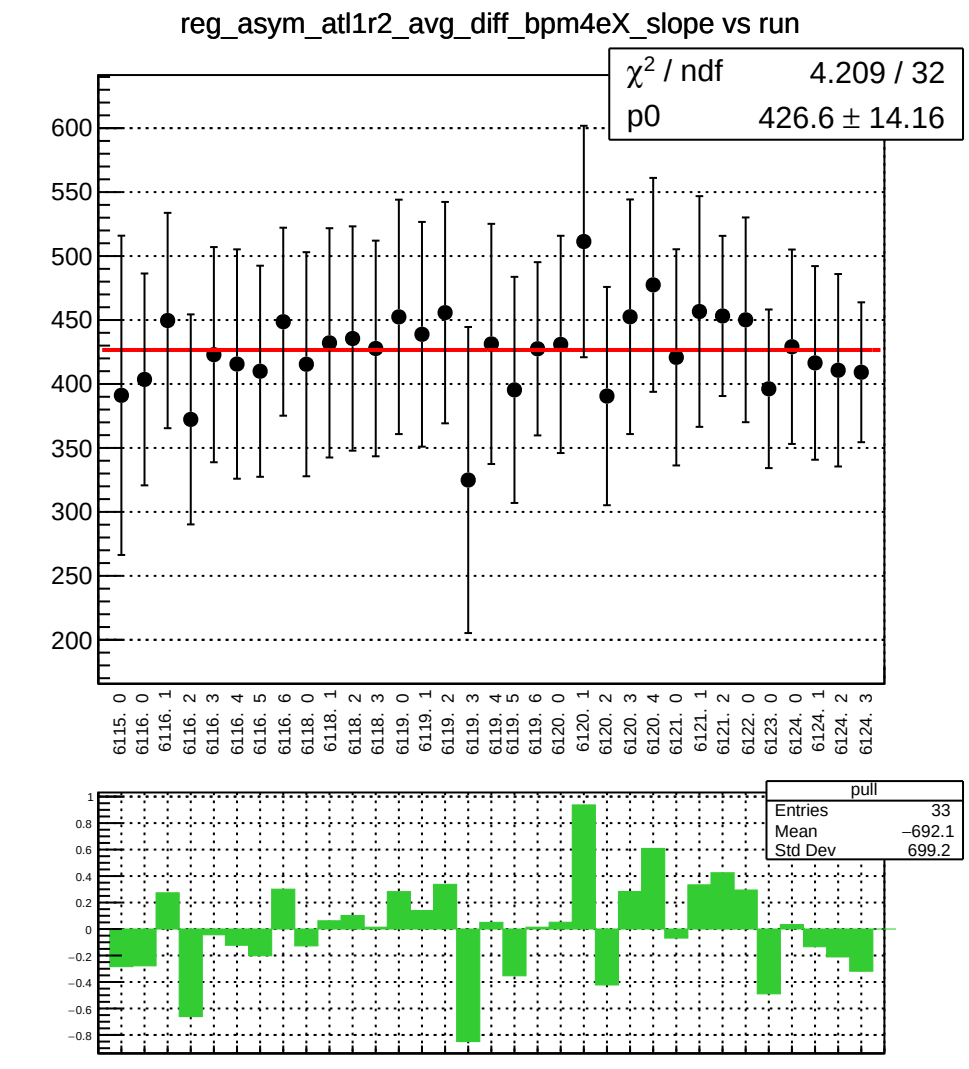

pull1D
Entries 33
Mean −0.01206
Std Dev 0.824
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

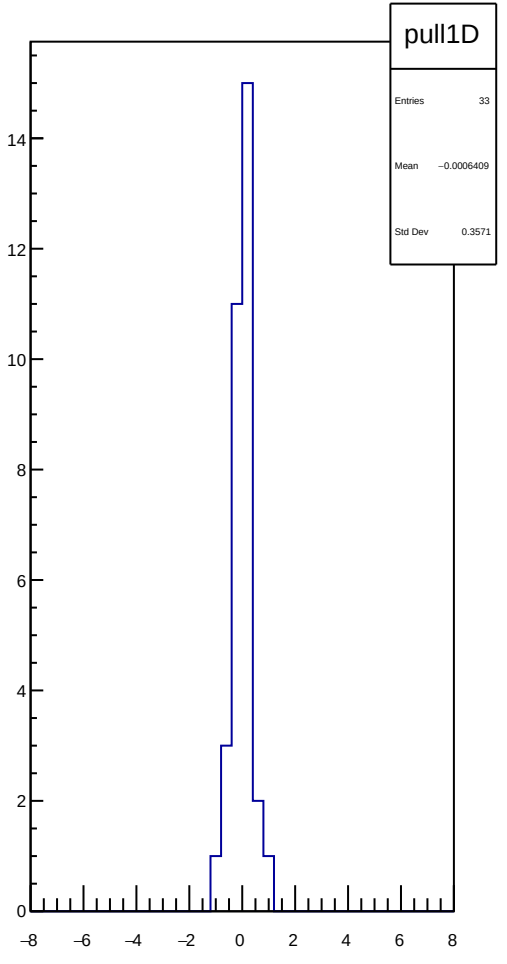

reg_asym_atl1r2_avg_diff_bpm4aX_slope vs run
χ² / ndf 4.429 / 32
p0 −277.5 ± 12.17
−50
−100
−150
−200
−250
−300
−350
−400
−450
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −264.6
Std Dev 272.9
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

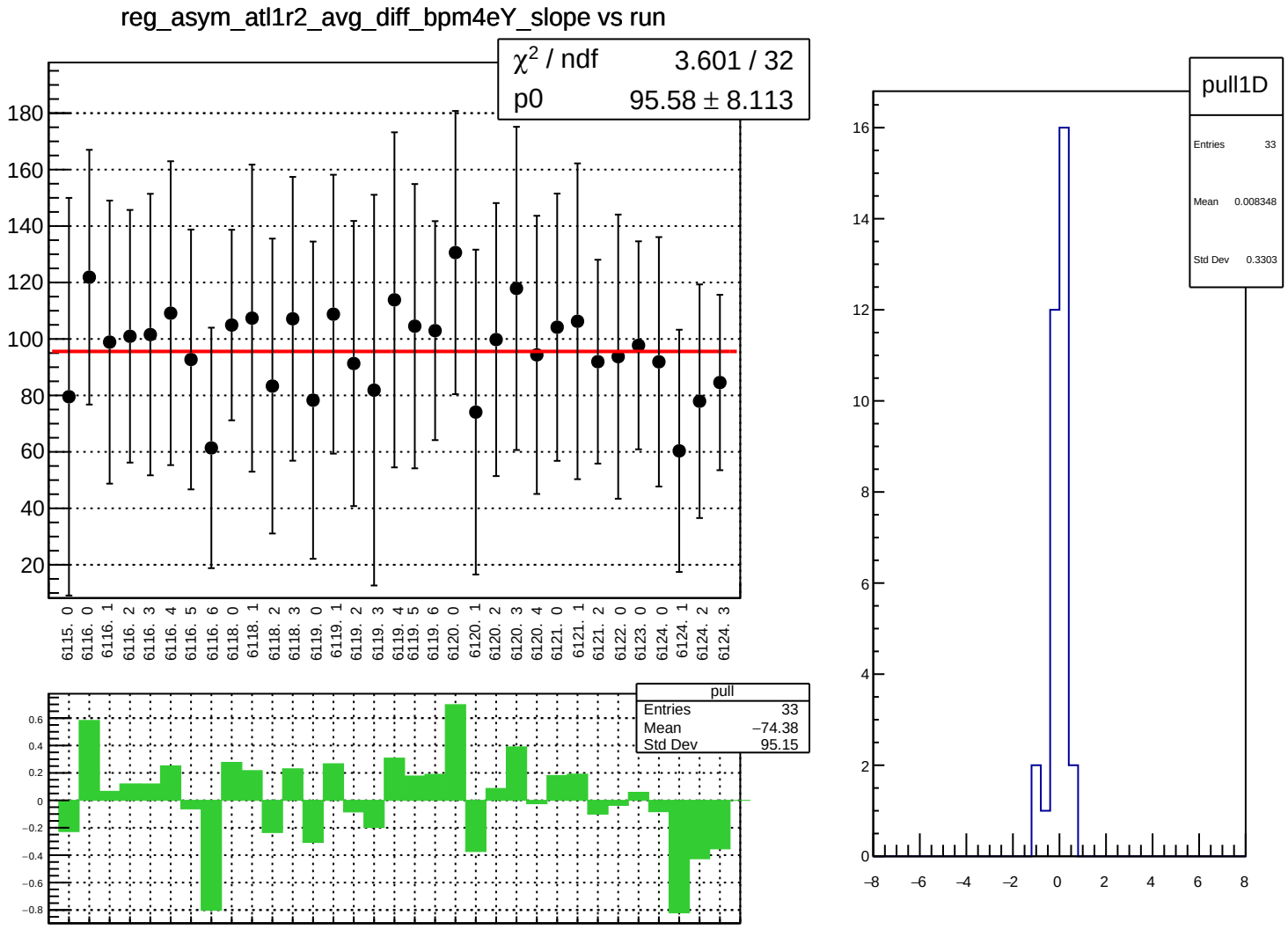

pull1D
Entries 33
Mean 0.001796
Std Dev 0.3663
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

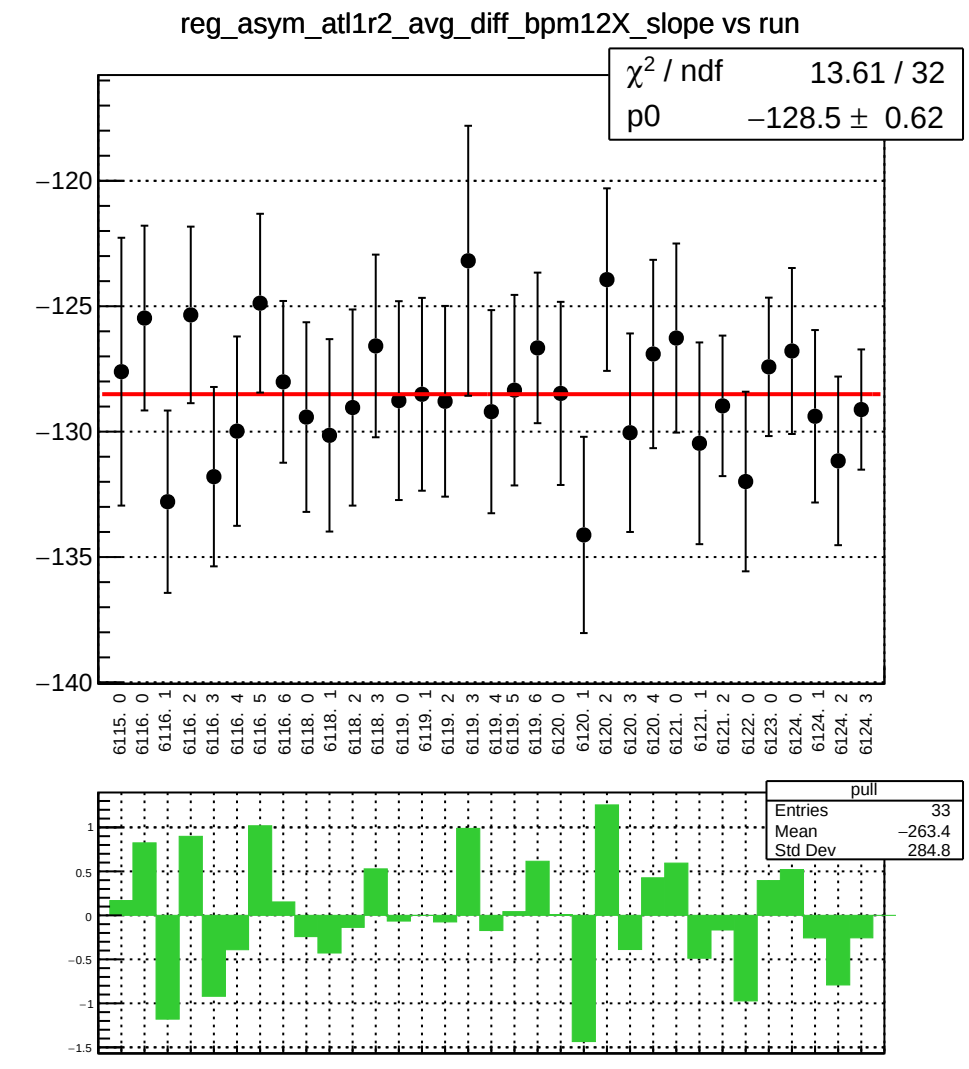

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.643 / 32
p0 −21.7 ± 7.592
60
40
20
0
−20
−40
−60
−80
−100
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −61.25
Std Dev 81.49
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

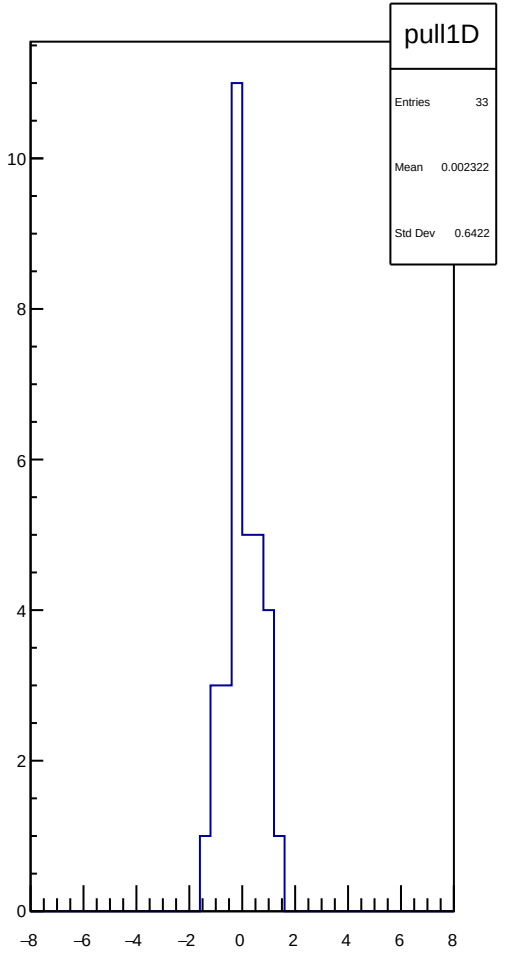

pull1D
Entries 33
Mean −0.01135
Std Dev 0.3321
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

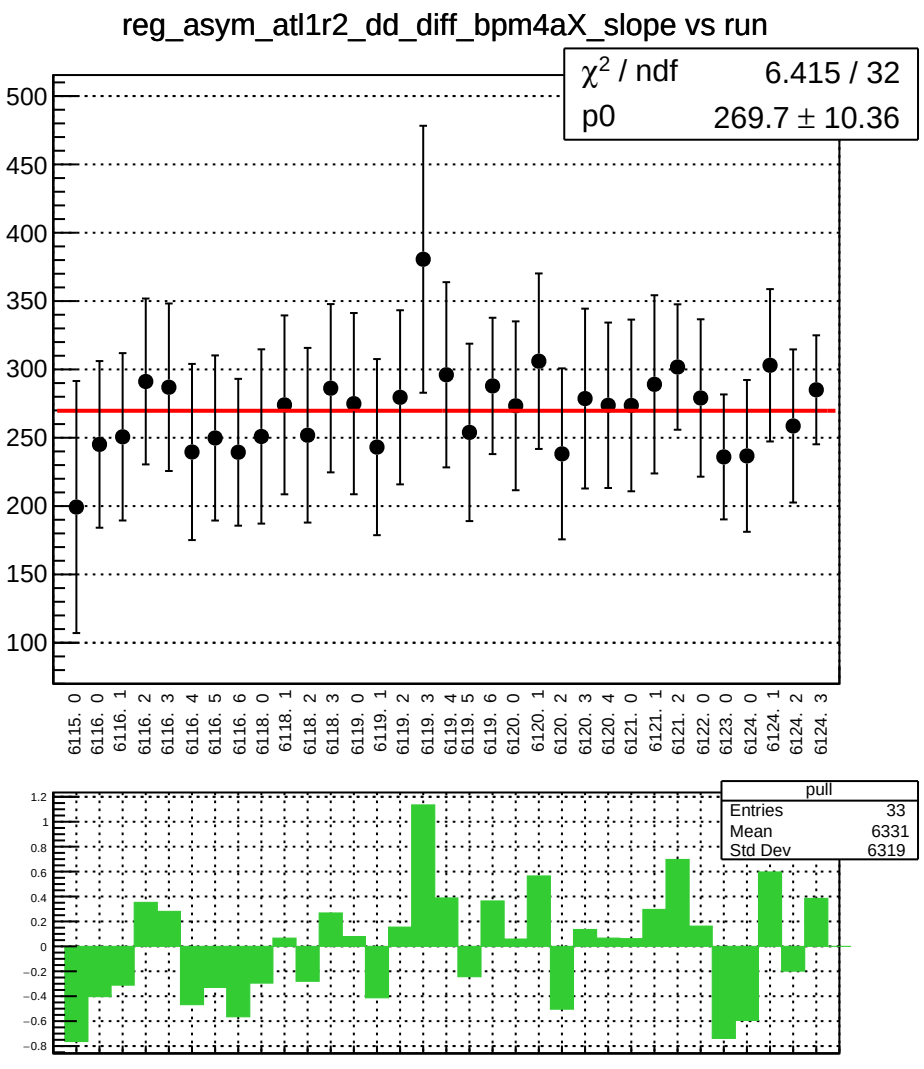

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 4.209 / 32
p0 426.6 ± 14.16
600
550
500
450
400
350
300
250
200
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −692.1
Std Dev 699.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

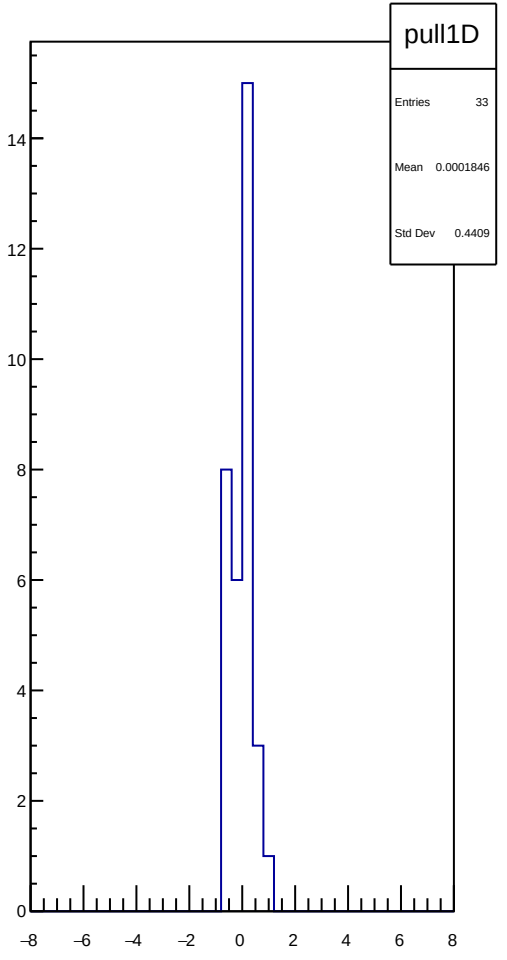

pull1D
Entries 33
Mean −0.0006409
Std Dev 0.3571
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

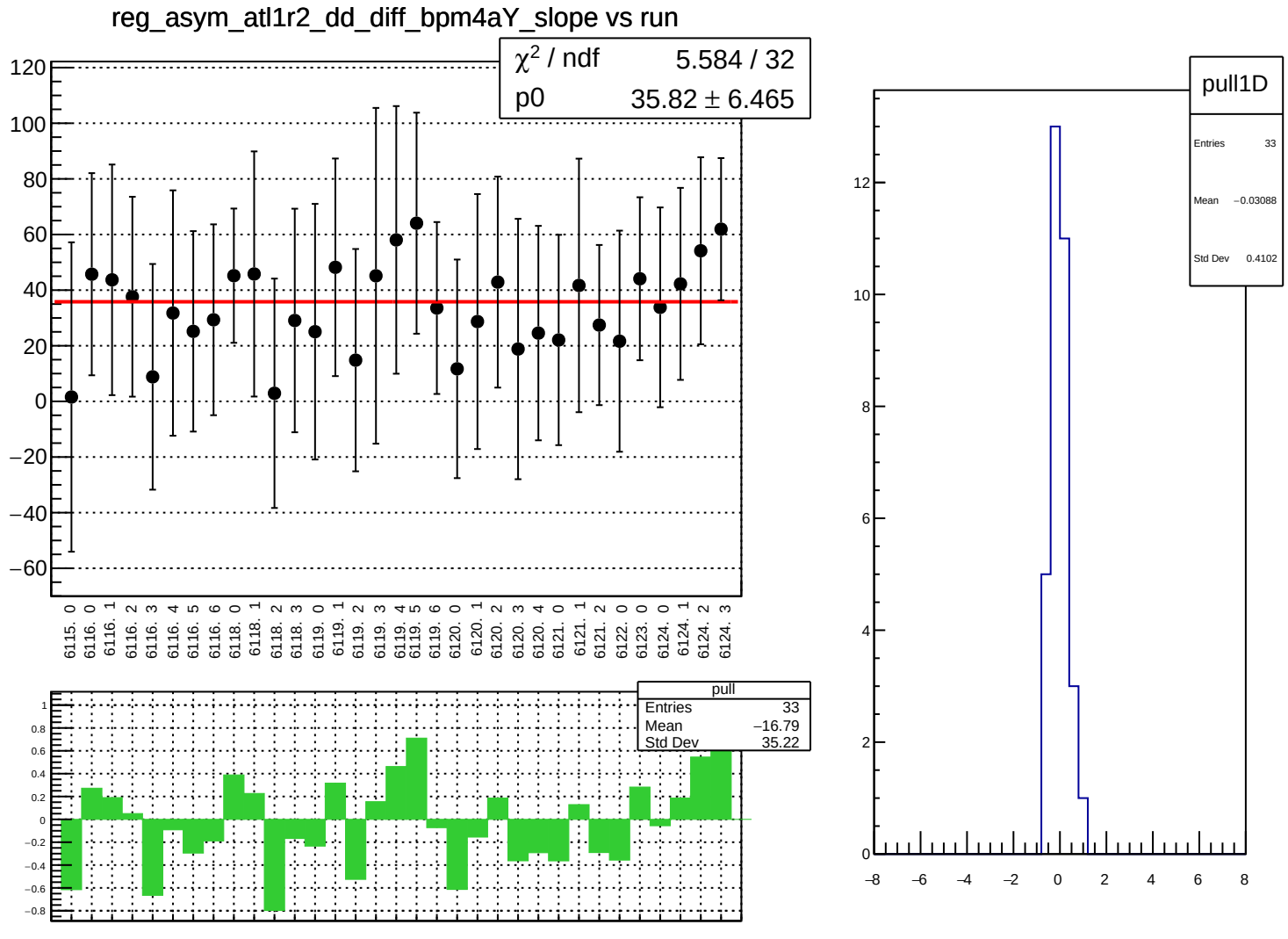

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.601 / 32
p0 95.58 ± 8.113
180
160
140
120
100
80
60
40
20
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −74.38
Std Dev 95.15
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 33
Mean 0.008348
Std Dev 0.3303
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

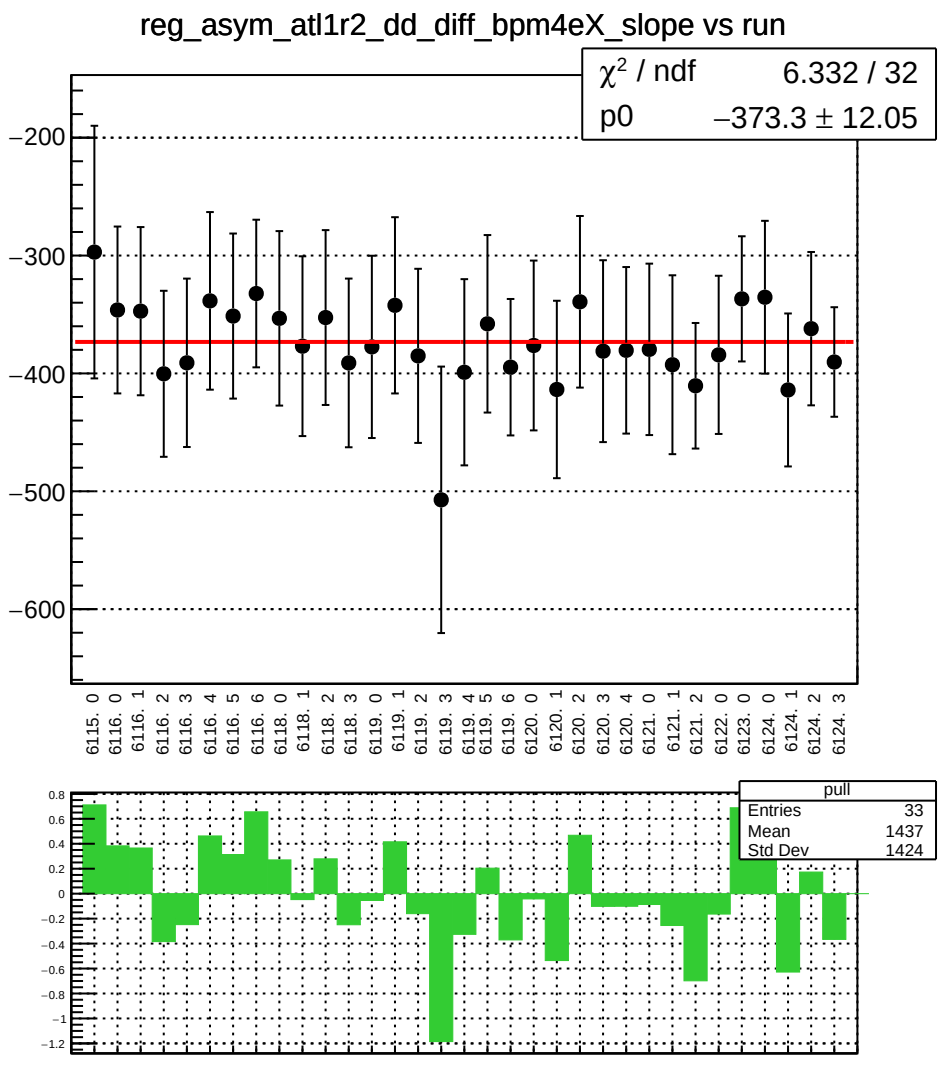

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 13.61 / 32
p0 −128.5 ± 0.62
−120
−125
−130
−135
−140
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −263.4
Std Dev 284.8
1
0.5
0
−0.5
−1
−1.5

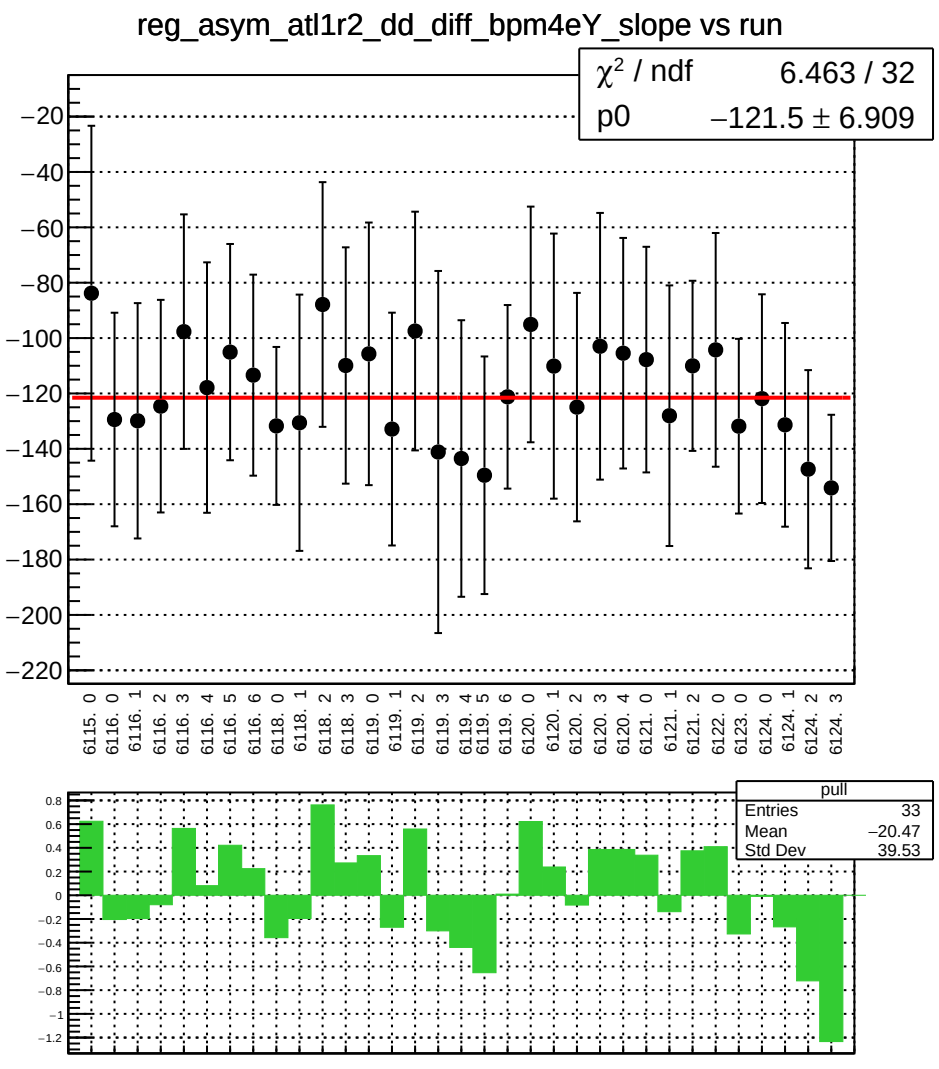

pull1D
Entries 33
Mean 0.002322
Std Dev 0.6422
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

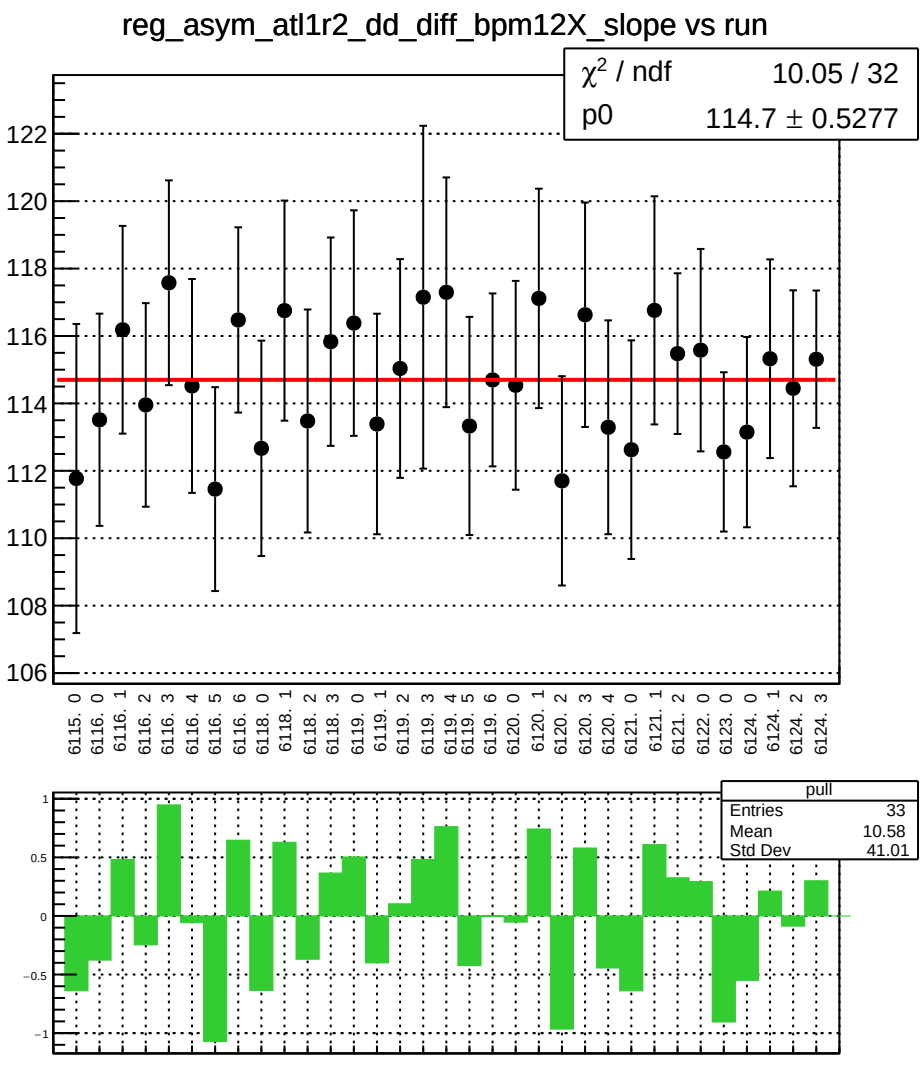

reg_asym_atl1r2_dd_diff_bpm4aX_slope vs run
χ² / ndf 6.415 / 32
p0 269.7 ± 10.36
500
450
400
350
300
250
200
150
100
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 6331
Std Dev 6319
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

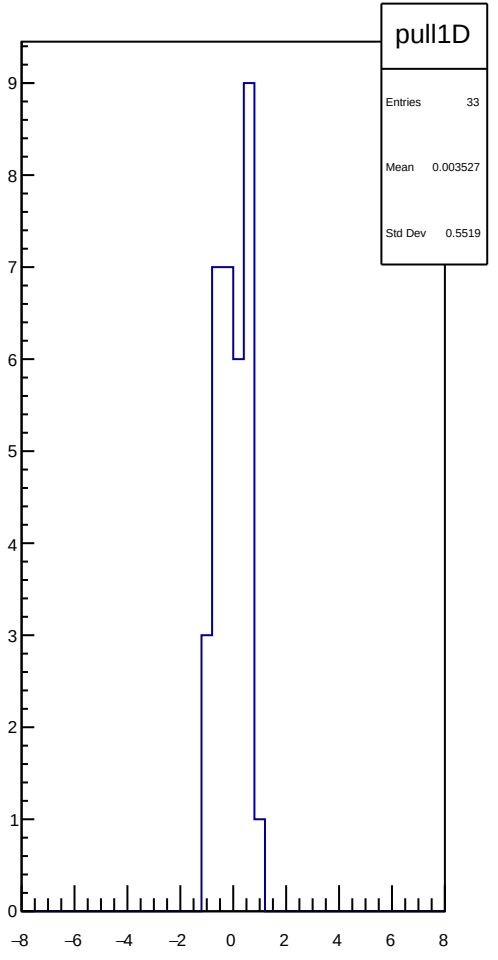

pull1D
Entries 33
Mean 0.0001846
Std Dev 0.4409
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

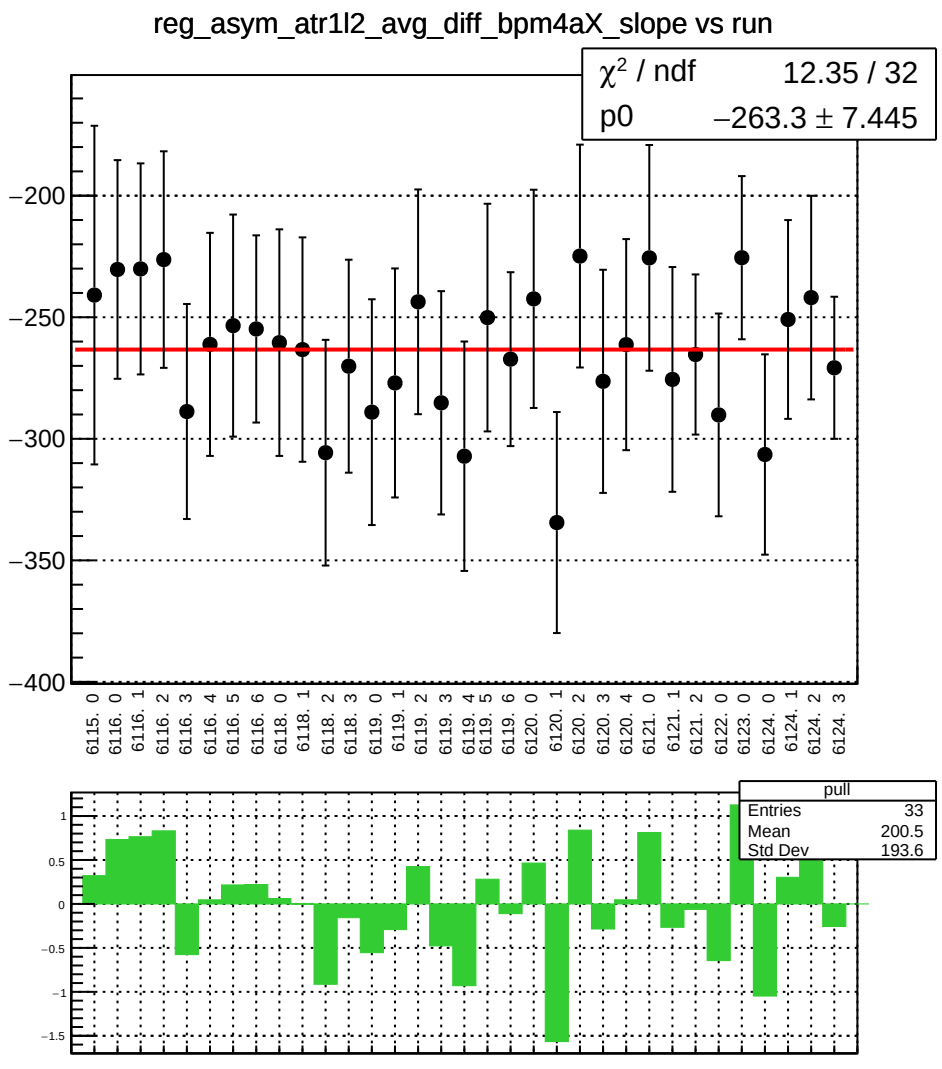

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.584 / 32
p0 35.82 ± 6.465
120
100
80
60
40
20
0
−20
−40
−60
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −16.79
Std Dev 35.22
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 33
Mean −0.03088
Std Dev 0.4102
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

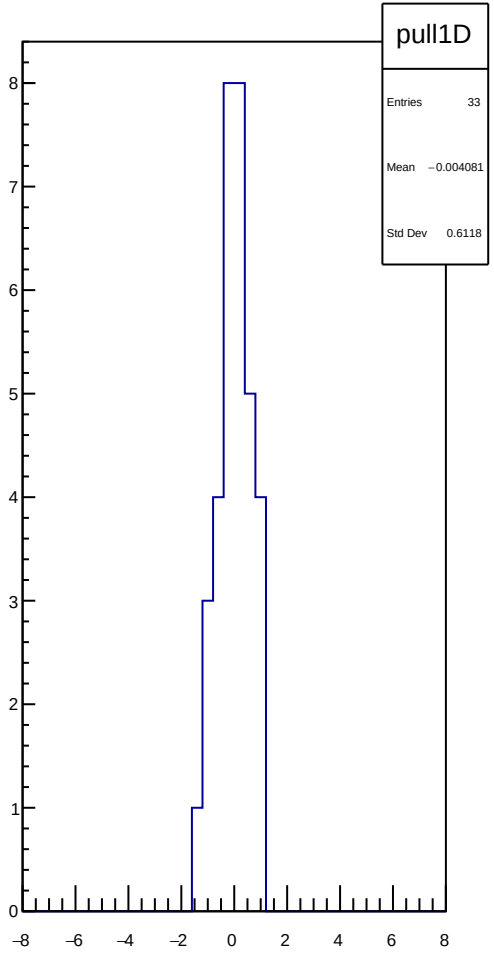

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.332 / 32
p0 −373.3 ± 12.05
−200
−300
−400
−500
−600
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 1437
Std Dev 1424
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
pull1D
Entries 33
Mean −0.0008516
Std Dev 0.438
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

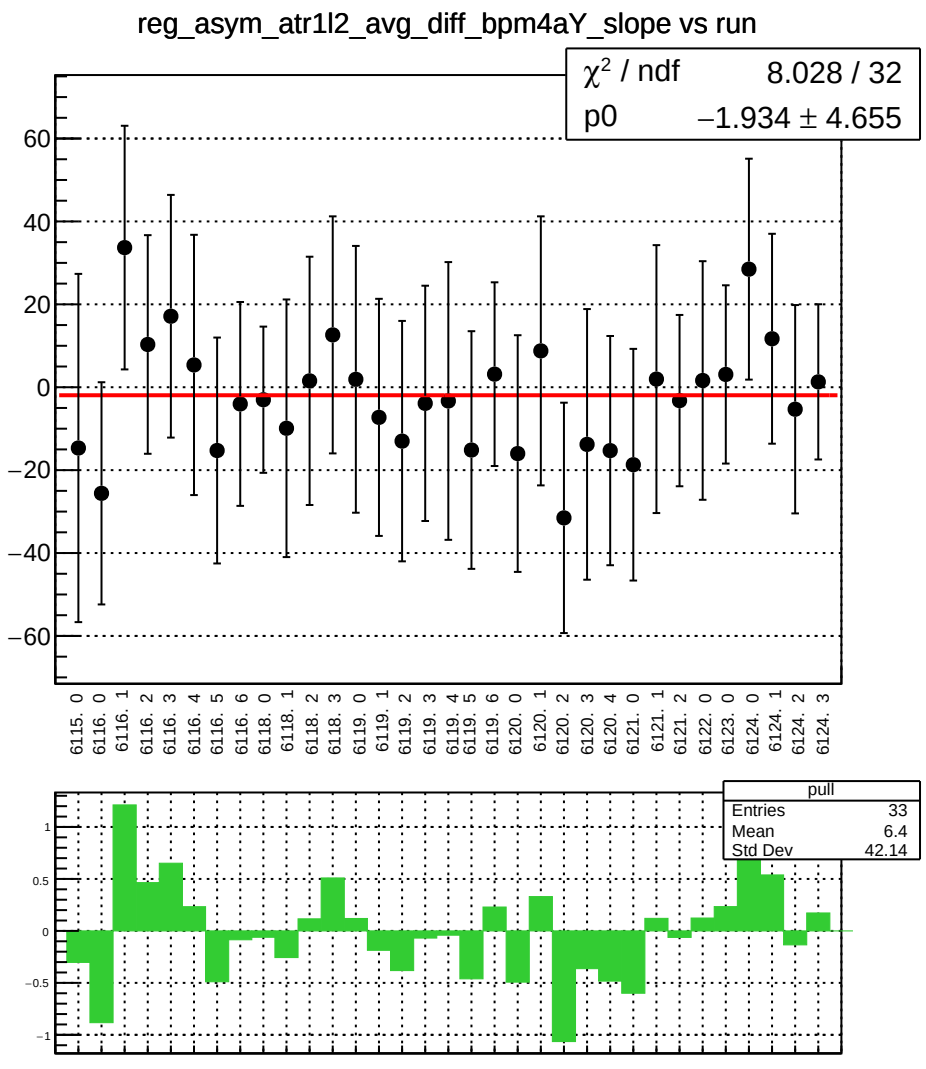

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.463 / 32
p0 −121.5 ± 6.909
−20
−40
−60
−80
−100
−120
−140
−160
−180
−200
−220
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −20.47
Std Dev 39.53
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
pull1D
Entries 33
Mean 0.03434
Std Dev 0.4412
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

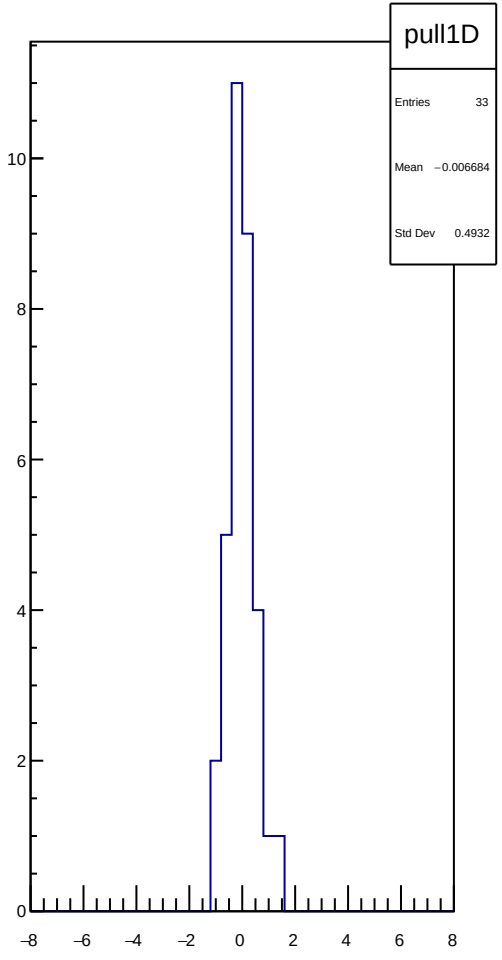

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 10.05 / 32
p0 114.7 ± 0.5277
122
120
118
116
114
112
110
108
106
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 10.58
Std Dev 41.01
1
0.5
0
−0.5
−1

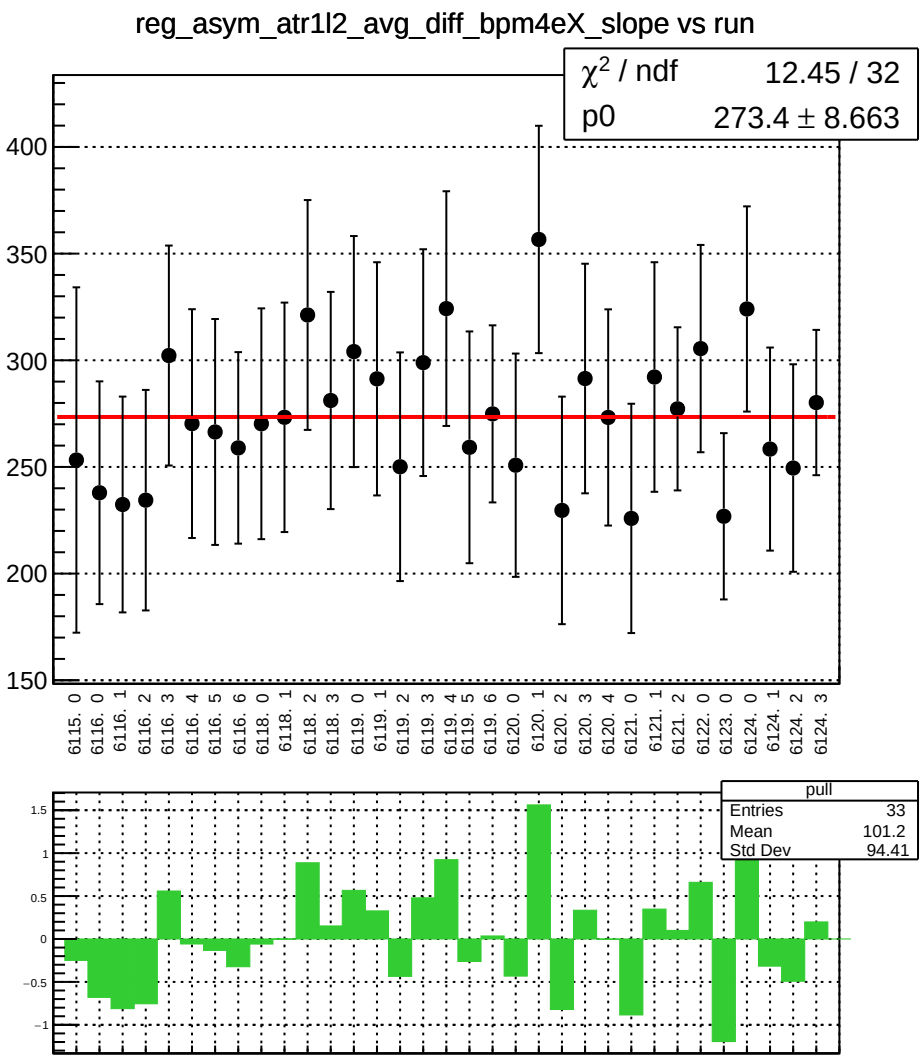

pull1D
Entries 33
Mean 0.003527
Std Dev 0.5519
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

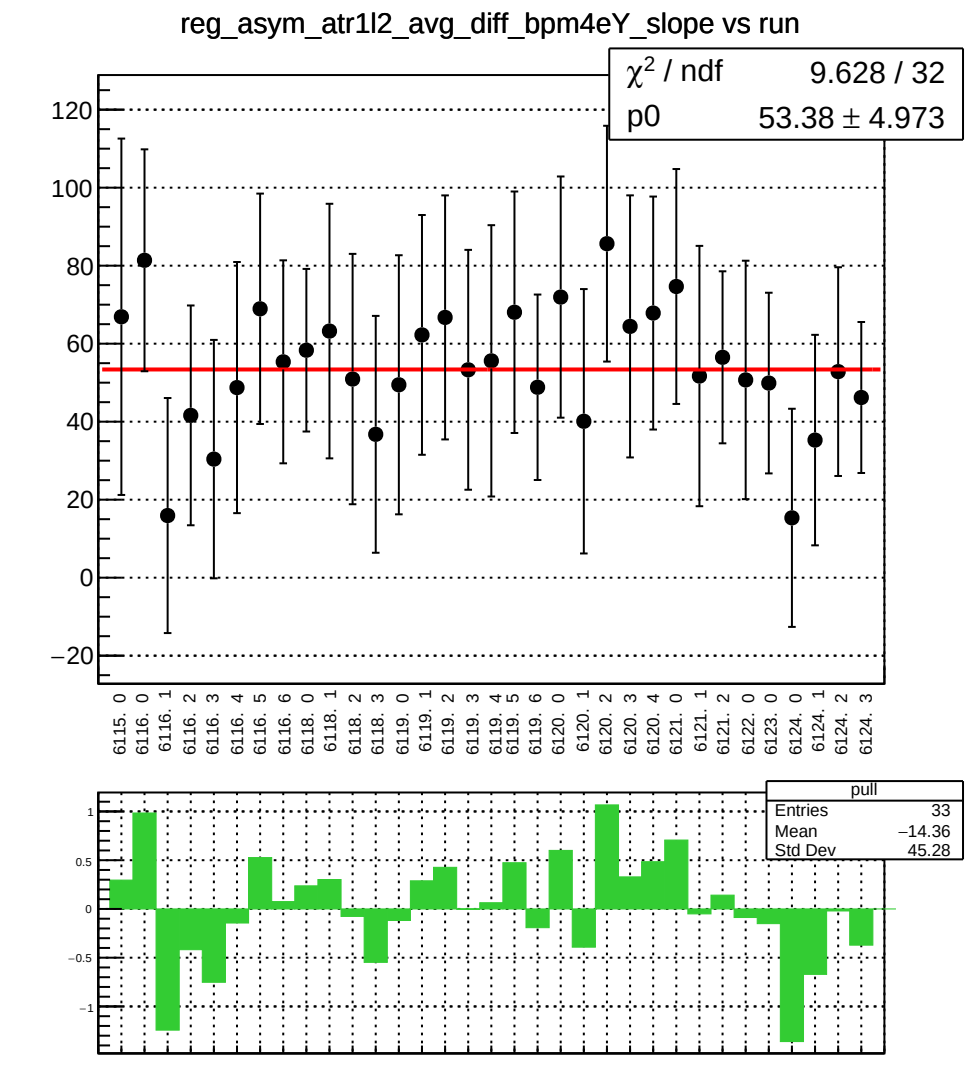

reg_asym_atr1l2_avg_diff_bpm4aX_slope vs run
χ² / ndf 12.35 / 32
p0 −263.3 ± 7.445
−200
−250
−300
−350
−400
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 200.5
Std Dev 193.6
1
0.5
0
−0.5
−1
−1.5

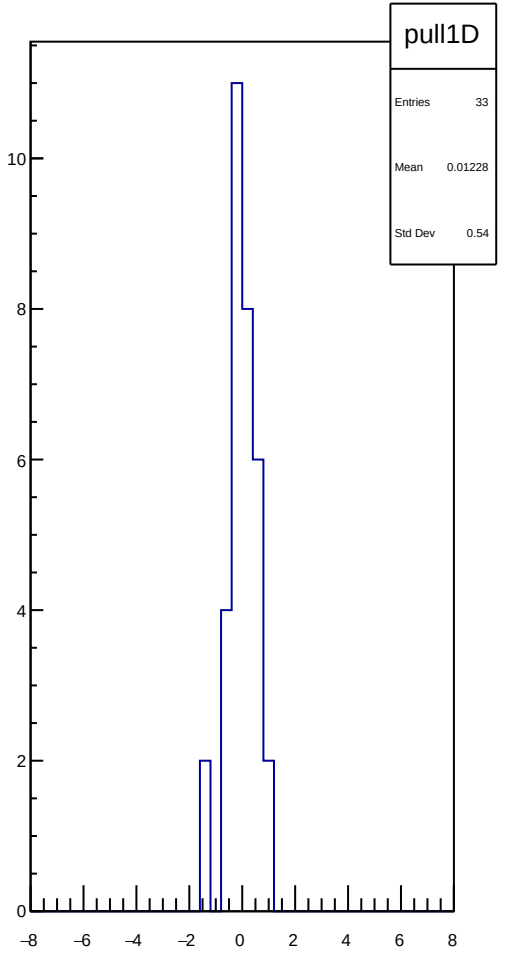

pull1D
Entries 33
Mean −0.004081
Std Dev 0.6118
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

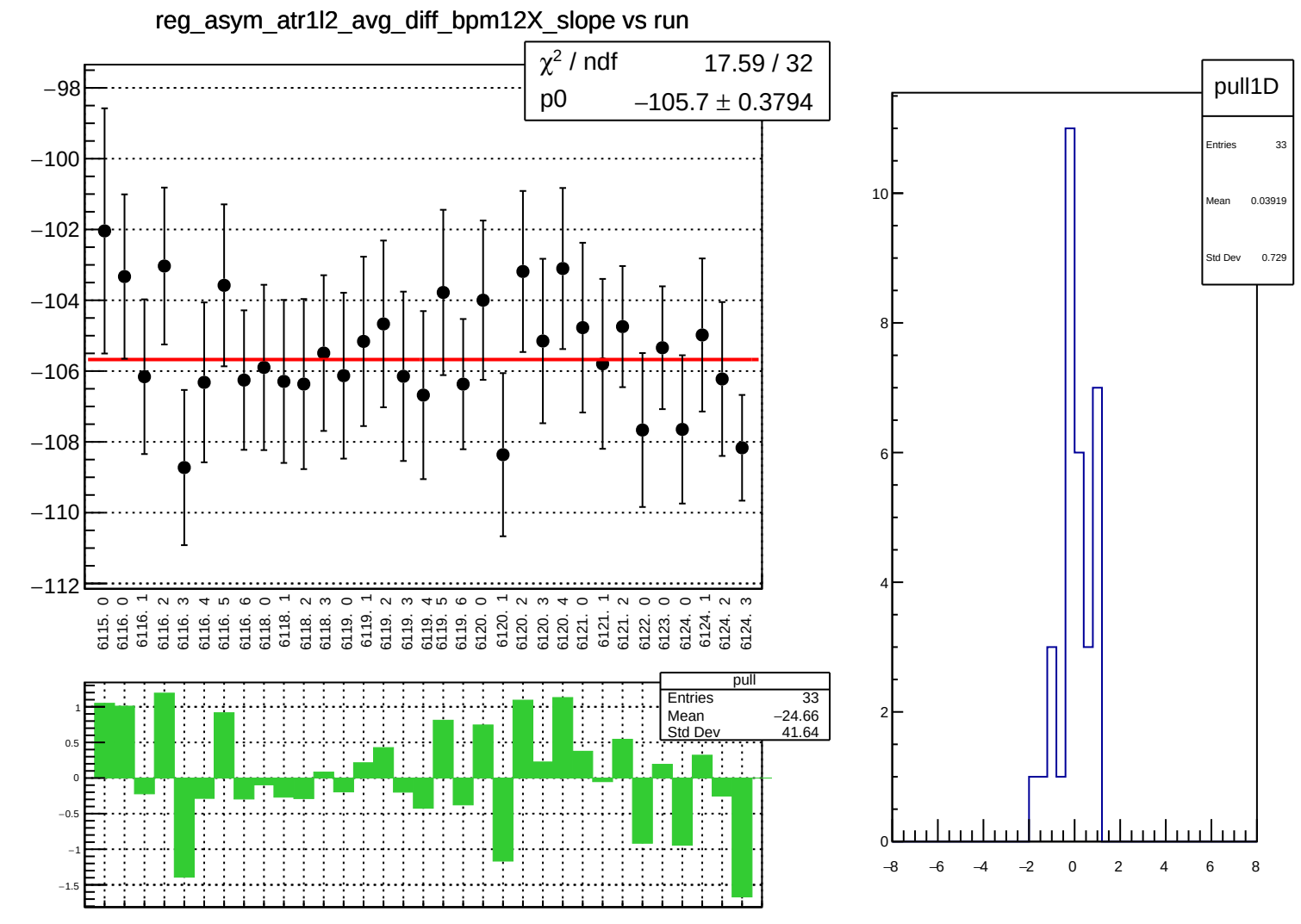

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.028 / 32
p0 −1.934 ± 4.655
60
40
20
0
−20
−40
−60
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 6.4
Std Dev 42.14
1
0.5
0
−0.5
−1

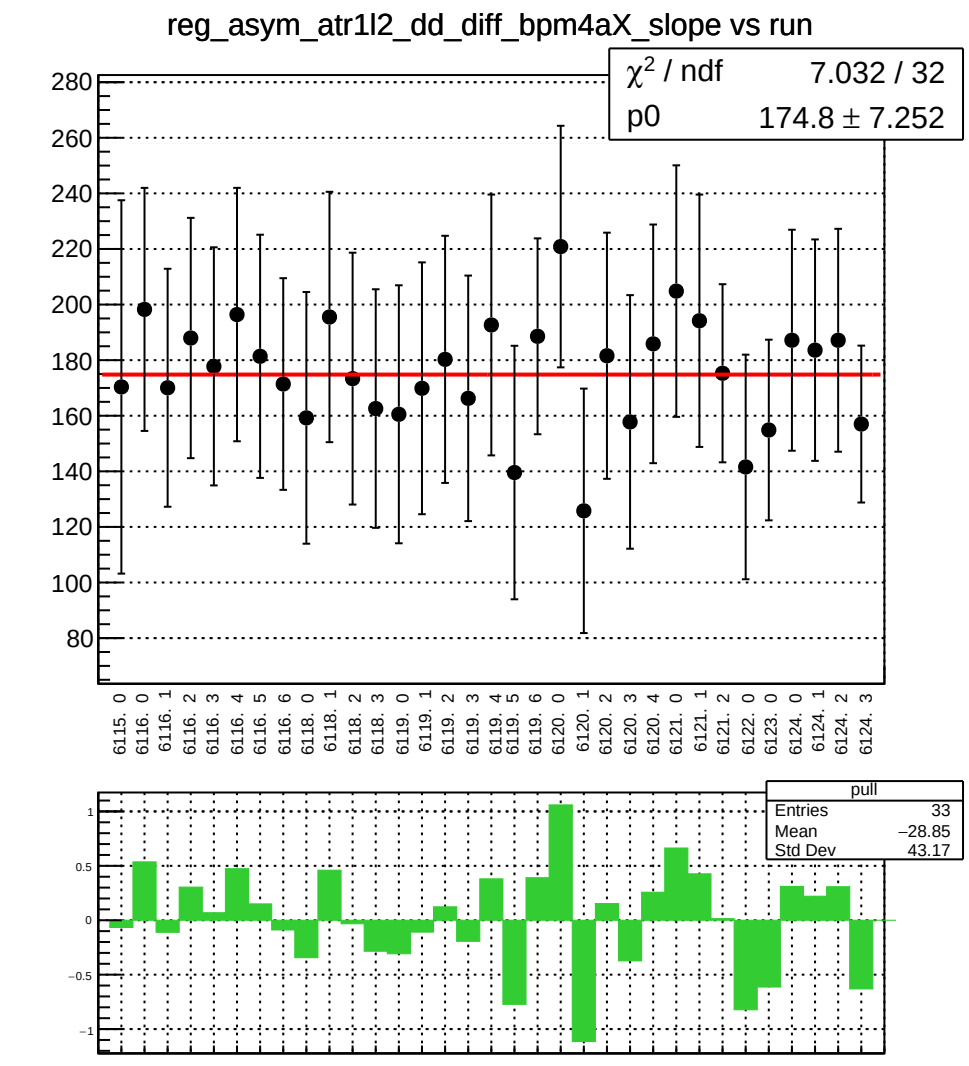

pull1D
Entries 33
Mean −0.006684
Std Dev 0.4932
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

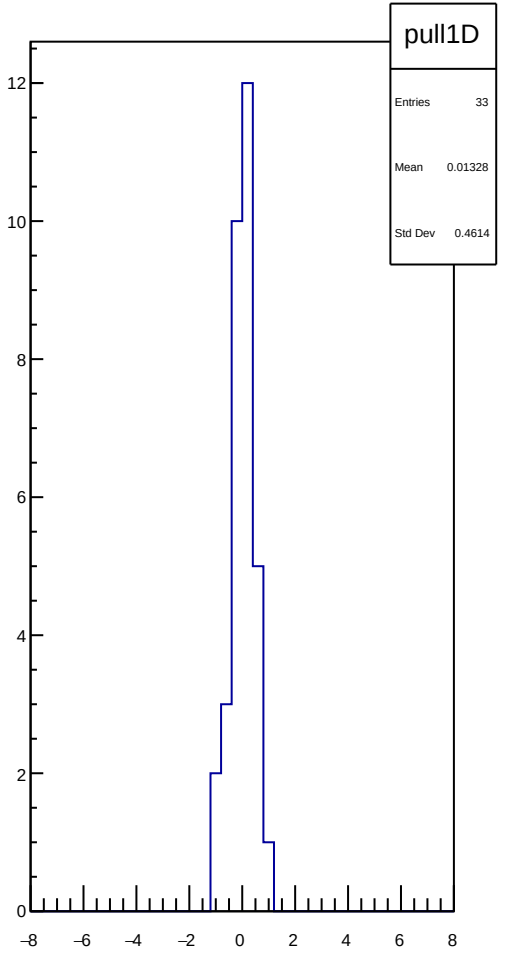

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 12.45 / 32
p0 273.4 ± 8.663
400
350
300
250
200
150
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 101.2
Std Dev 94.41
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 33
Mean 0.008138
Std Dev 0.6142
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

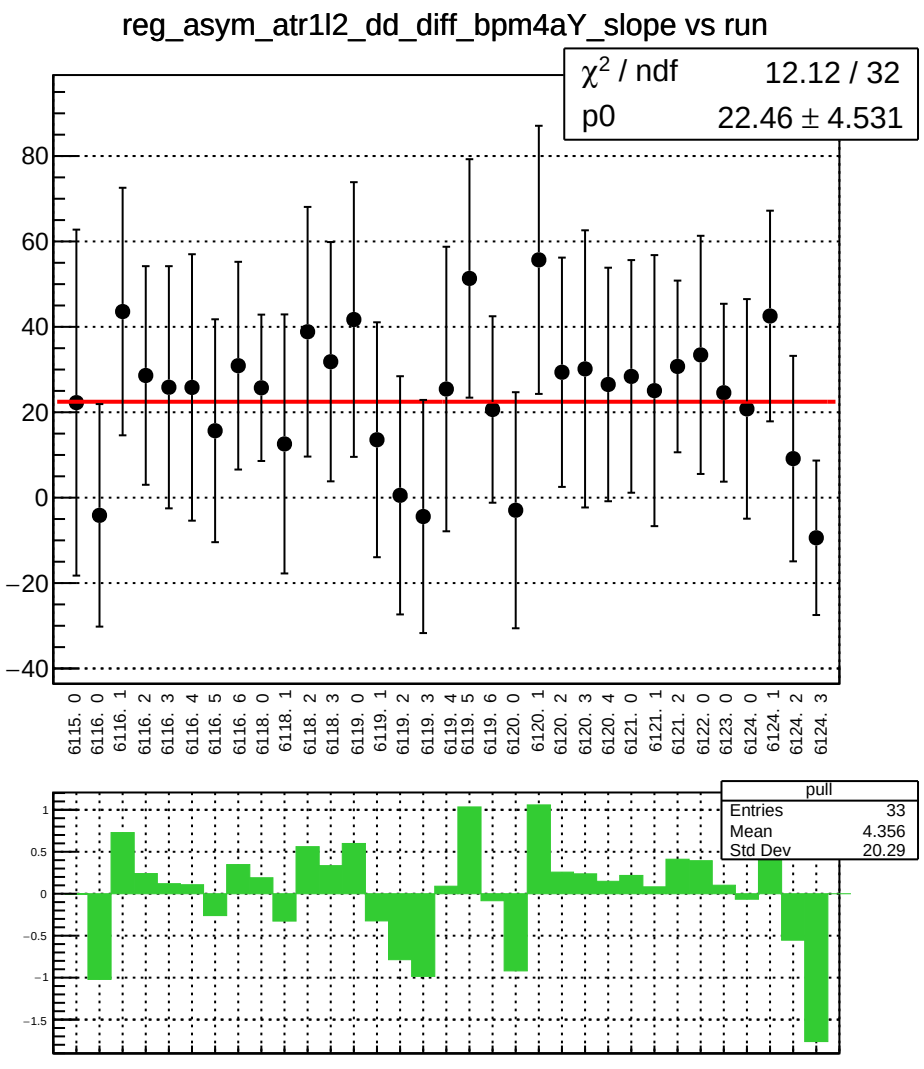

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.628 / 32
p0 53.38 ± 4.973
120
100
80
60
40
20
0
−20
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −14.36
Std Dev 45.28
1
0.5
0
−0.5
−1

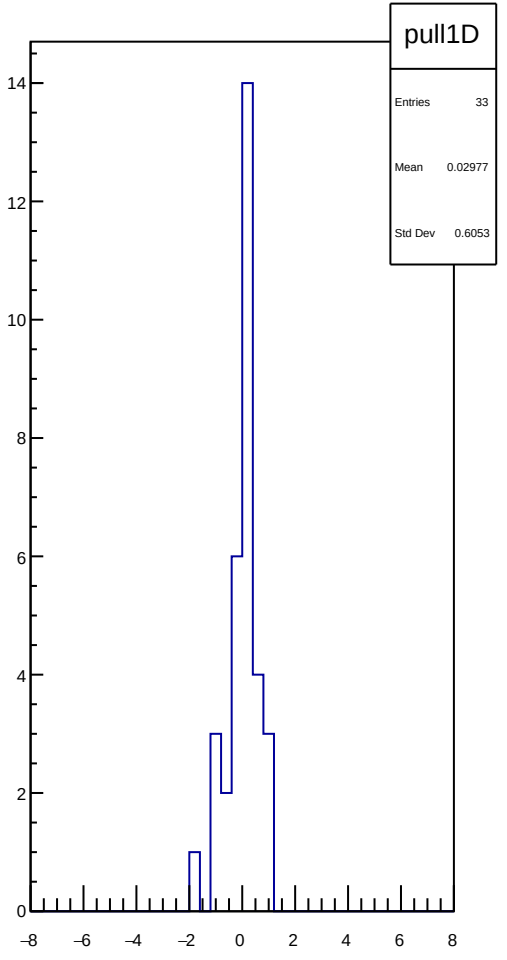

pull1D
Entries 33
Mean 0.01228
Std Dev 0.54
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

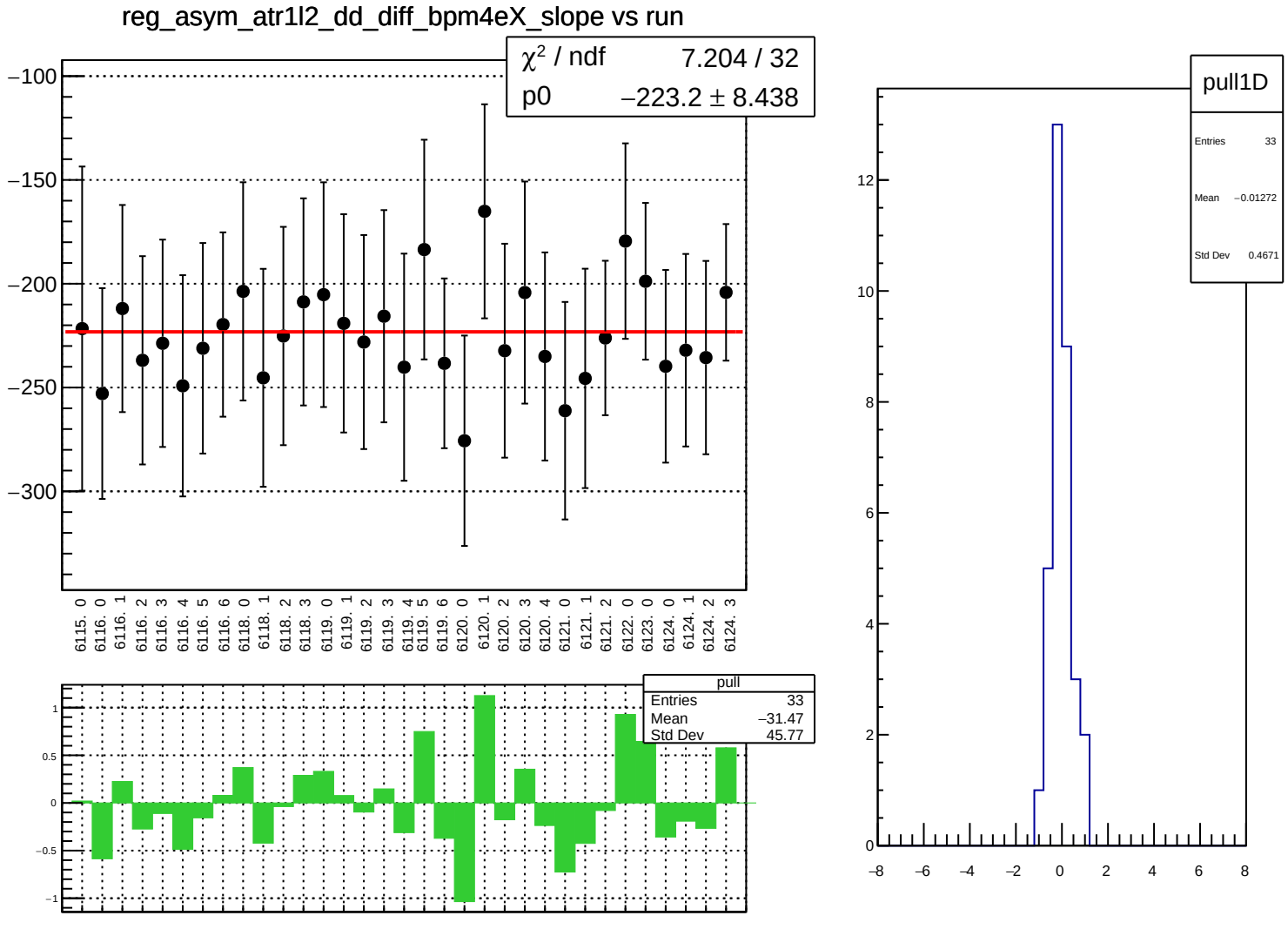

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 17.59 / 32
p0 −105.7 ± 0.3794
−98
−100
−102
−104
−106
−108
−110
−112
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −24.66
Std Dev 41.64
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.03919
Std Dev 0.729
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

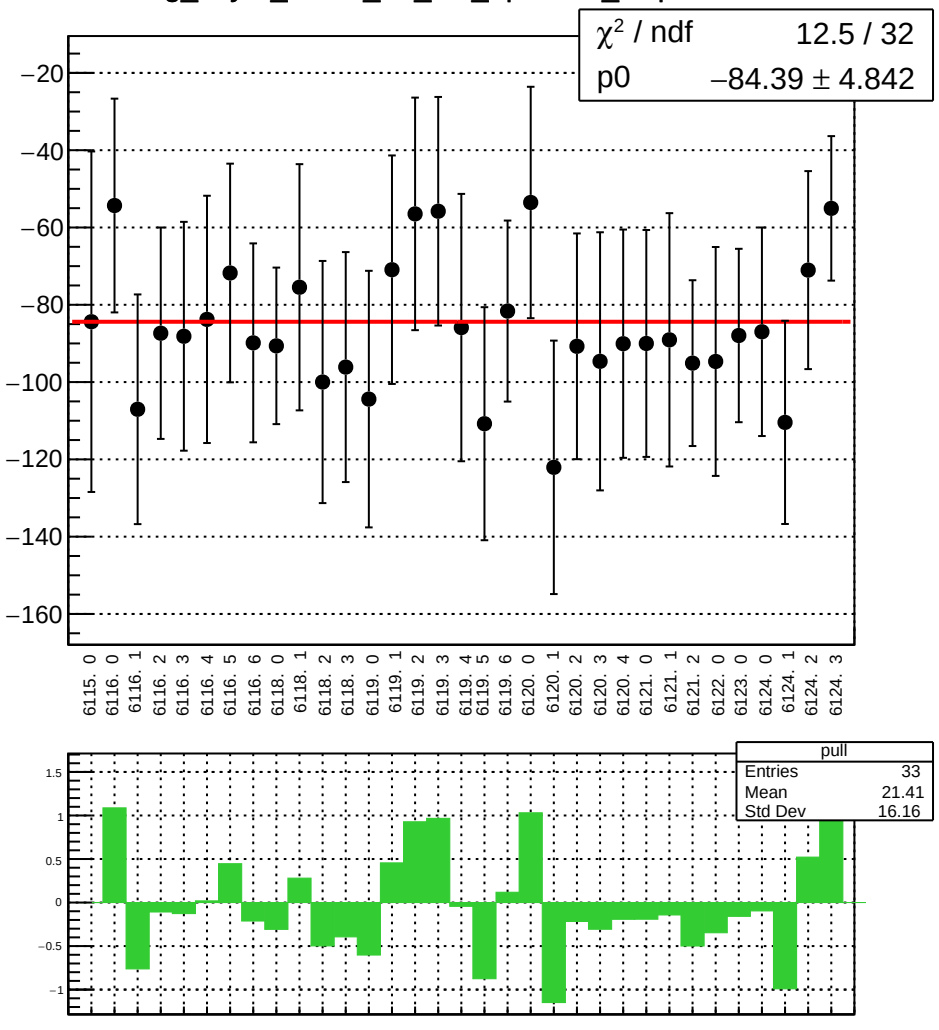

reg_asym_atr1l2_dd_diff_bpm4aX_slope vs run
χ² / ndf 7.032 / 32
p0 174.8 ± 7.252
280
260
240
220
200
180
160
140
120
100
80
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −28.85
Std Dev 43.17
1
0.5
0
−0.5
−1

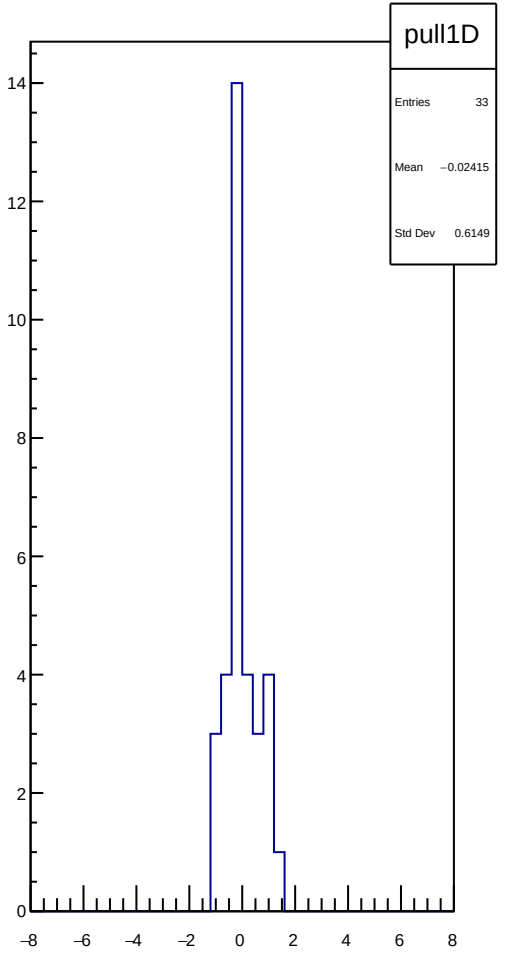

pull1D
Entries 33
Mean 0.01328
Std Dev 0.4614
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

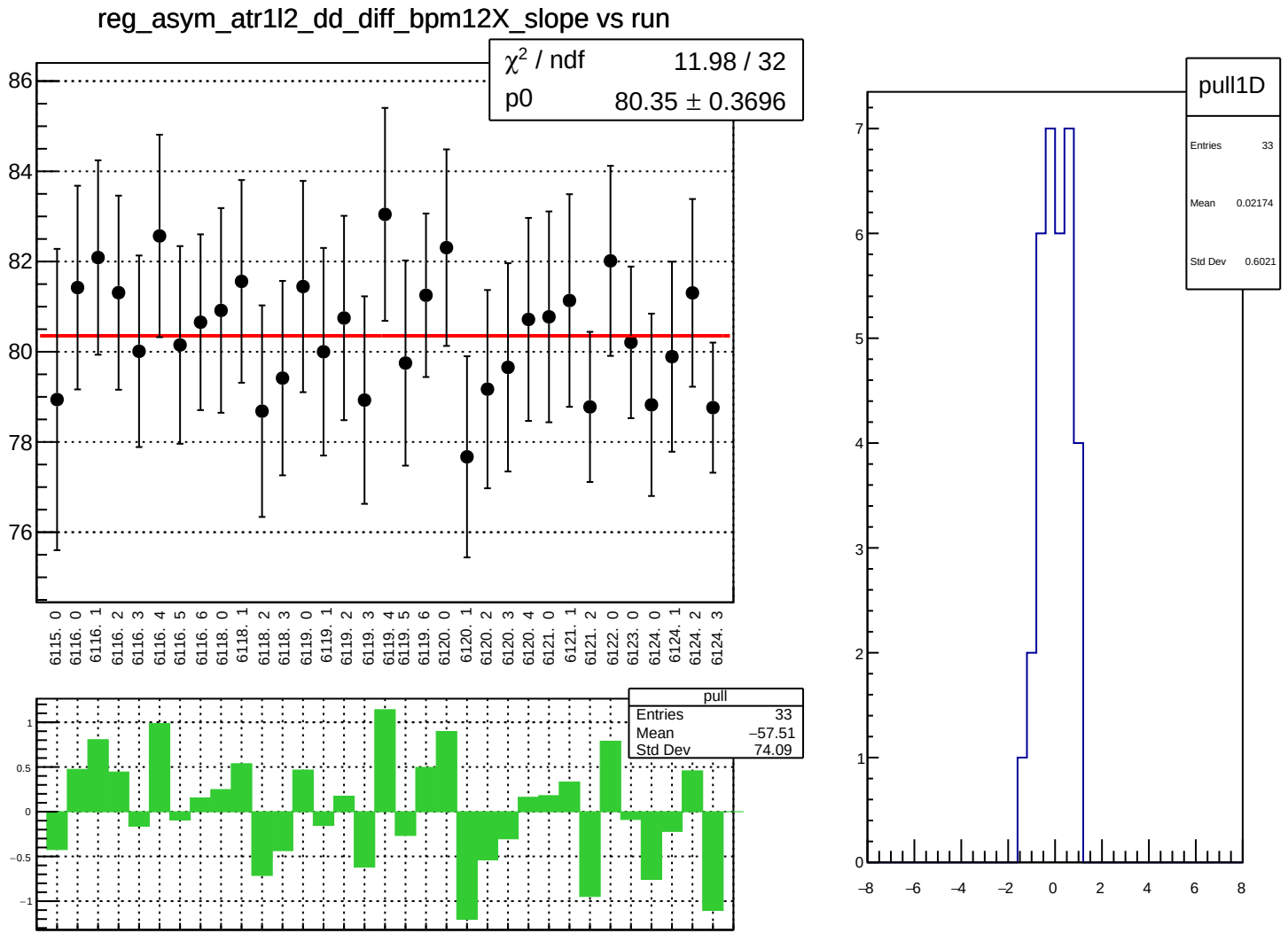

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.12 / 32
p0 22.46 ± 4.531
80
60
40
20
0
−20
−40
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 4.356
Std Dev 20.29
1
0.5
0
−0.5
−1
−1.5

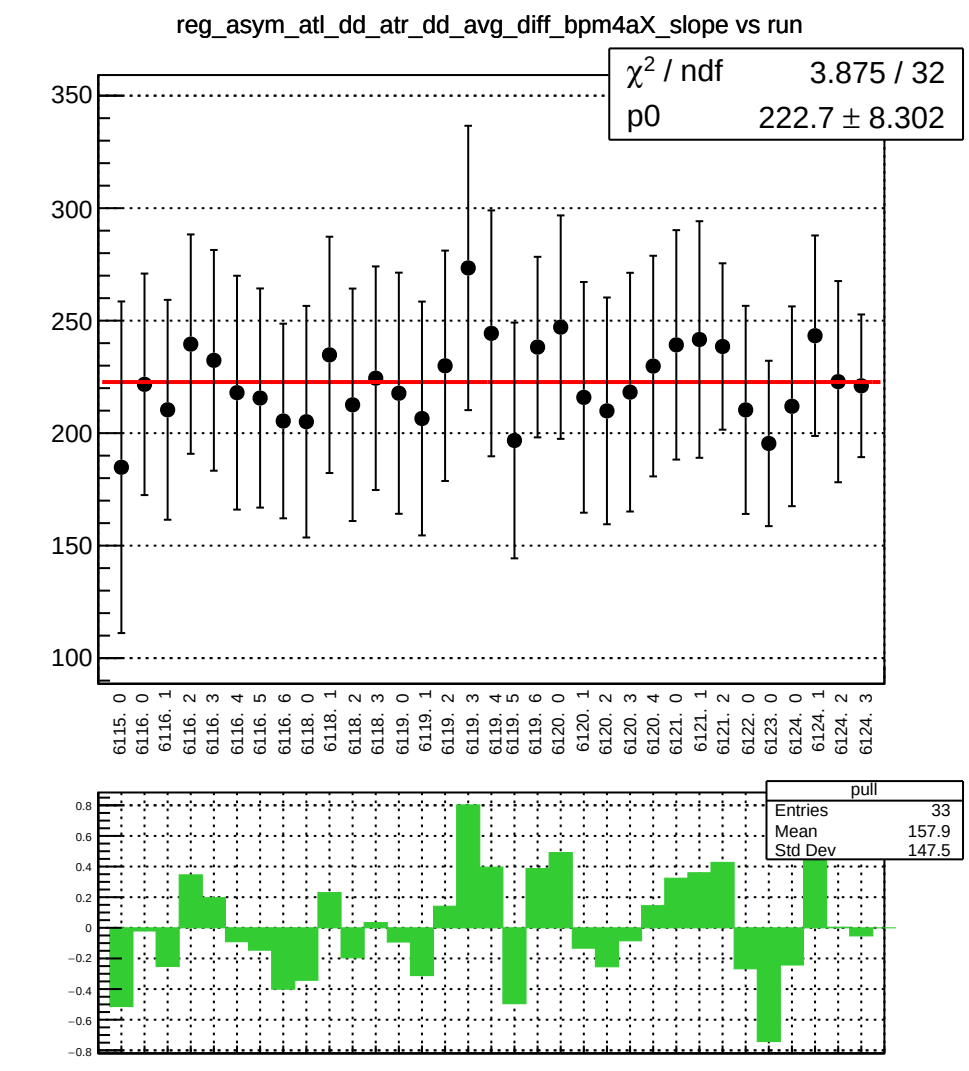

pull1D
Entries 33
Mean 0.02977
Std Dev 0.6053
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

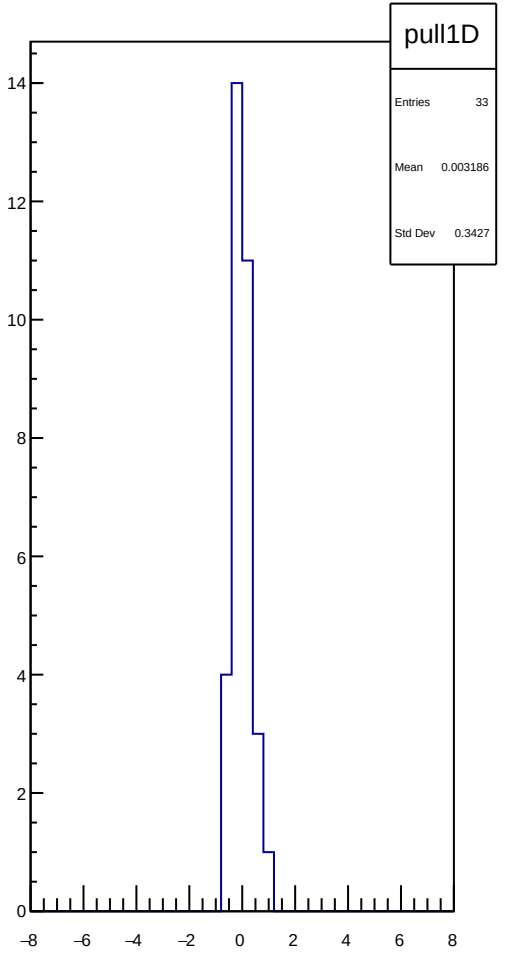

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 7.204 / 32
p0 −223.2 ± 8.438
−100
−150
−200
−250
−300
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −31.47
Std Dev 45.77
1
0.5
0
−0.5
−1
pull1D
Entries 33
Mean −0.01272
Std Dev 0.4671
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

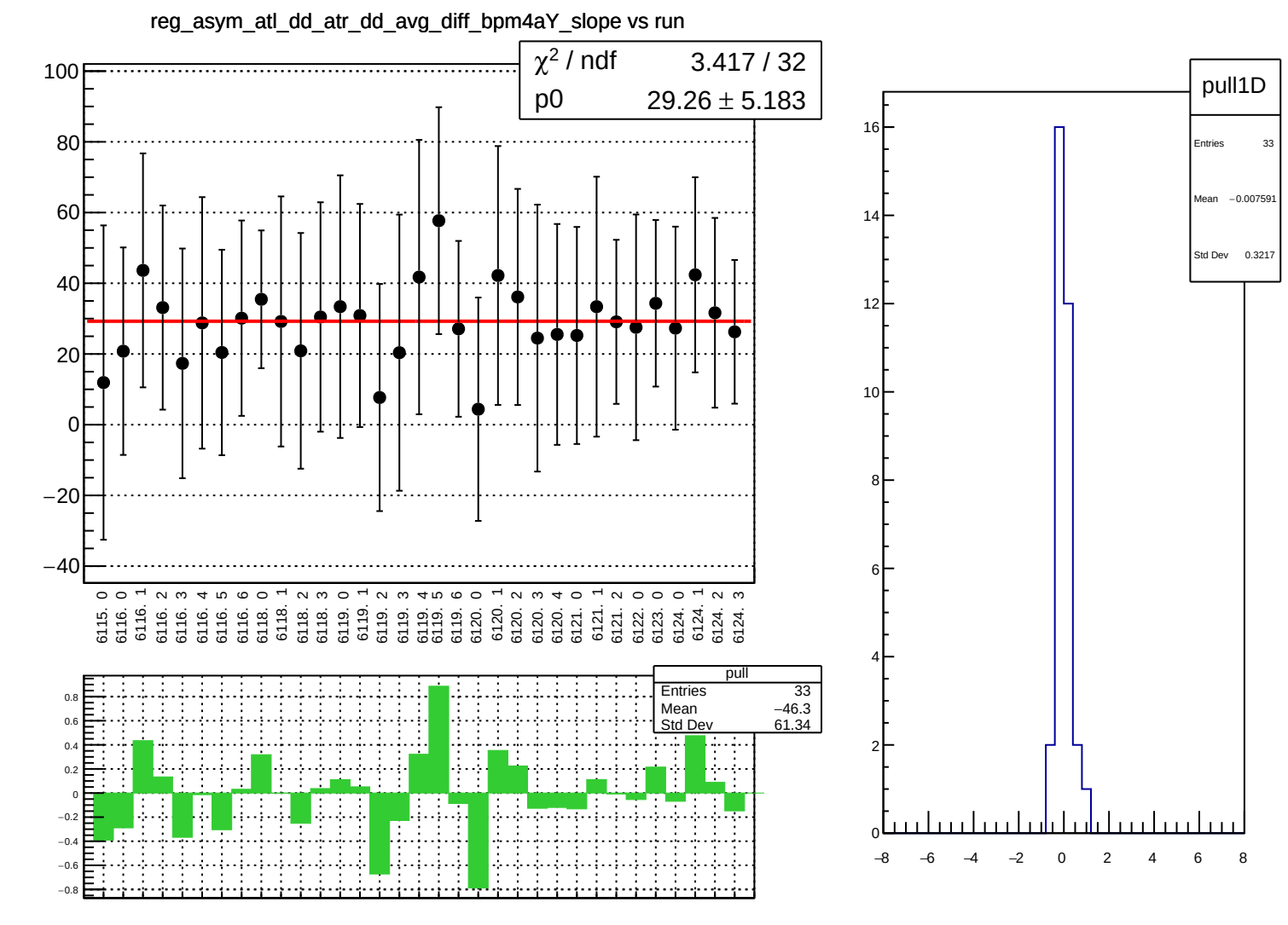

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.5 / 32
p0 −84.39 ± 4.842
−20
−40
−60
−80
−100
−120
−140
−160
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 21.41
Std Dev 16.16
1.5
1
0.5
0
−0.5
−1

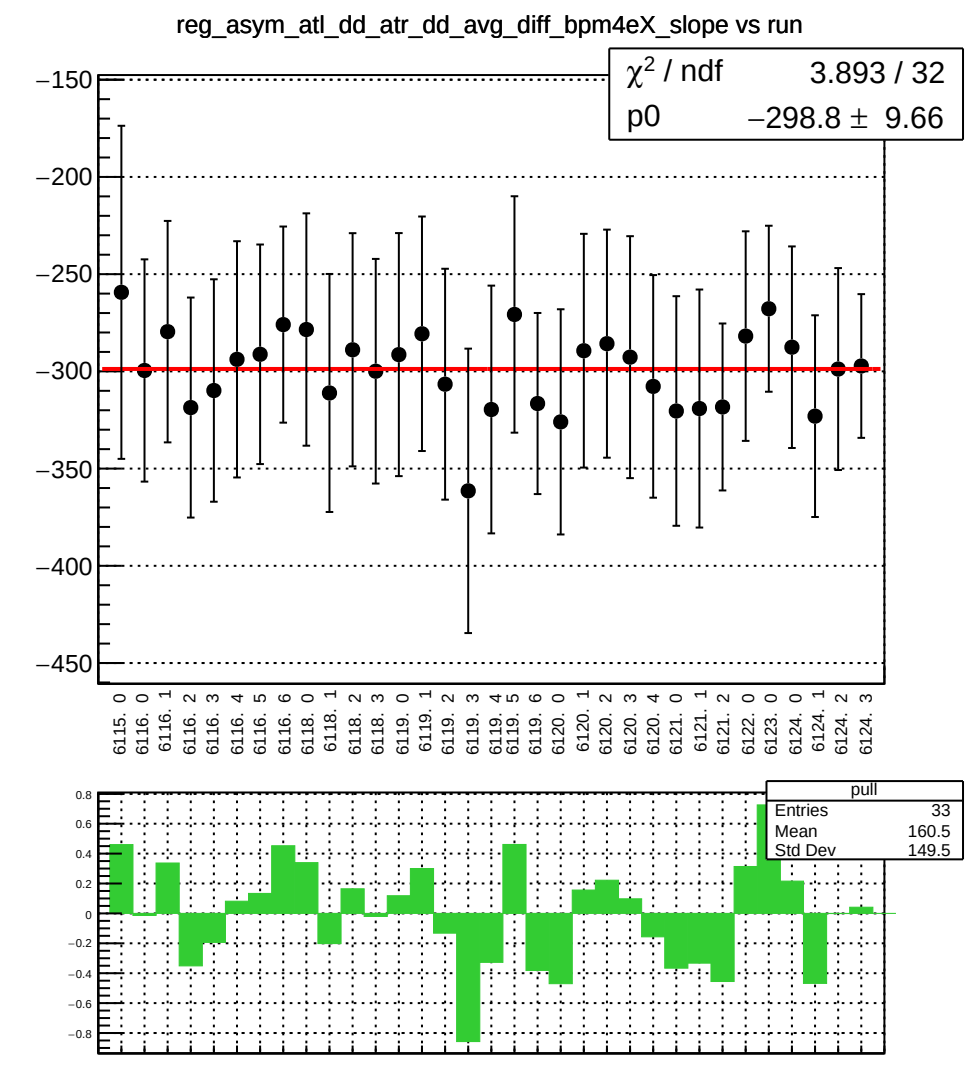

pull1D
Entries 33
Mean −0.02415
Std Dev 0.6149
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

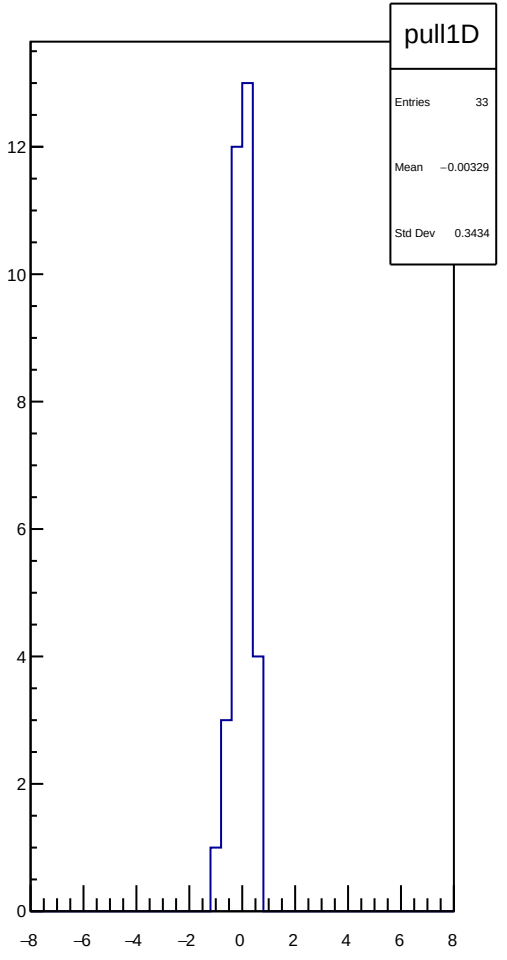

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 11.98 / 32
p0 80.35 ± 0.3696
86
84
82
80
78
76
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −57.51
Std Dev 74.09
1
0.5
0
−0.5
−1
pull1D
Entries 33
Mean 0.02174
Std Dev 0.6021
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

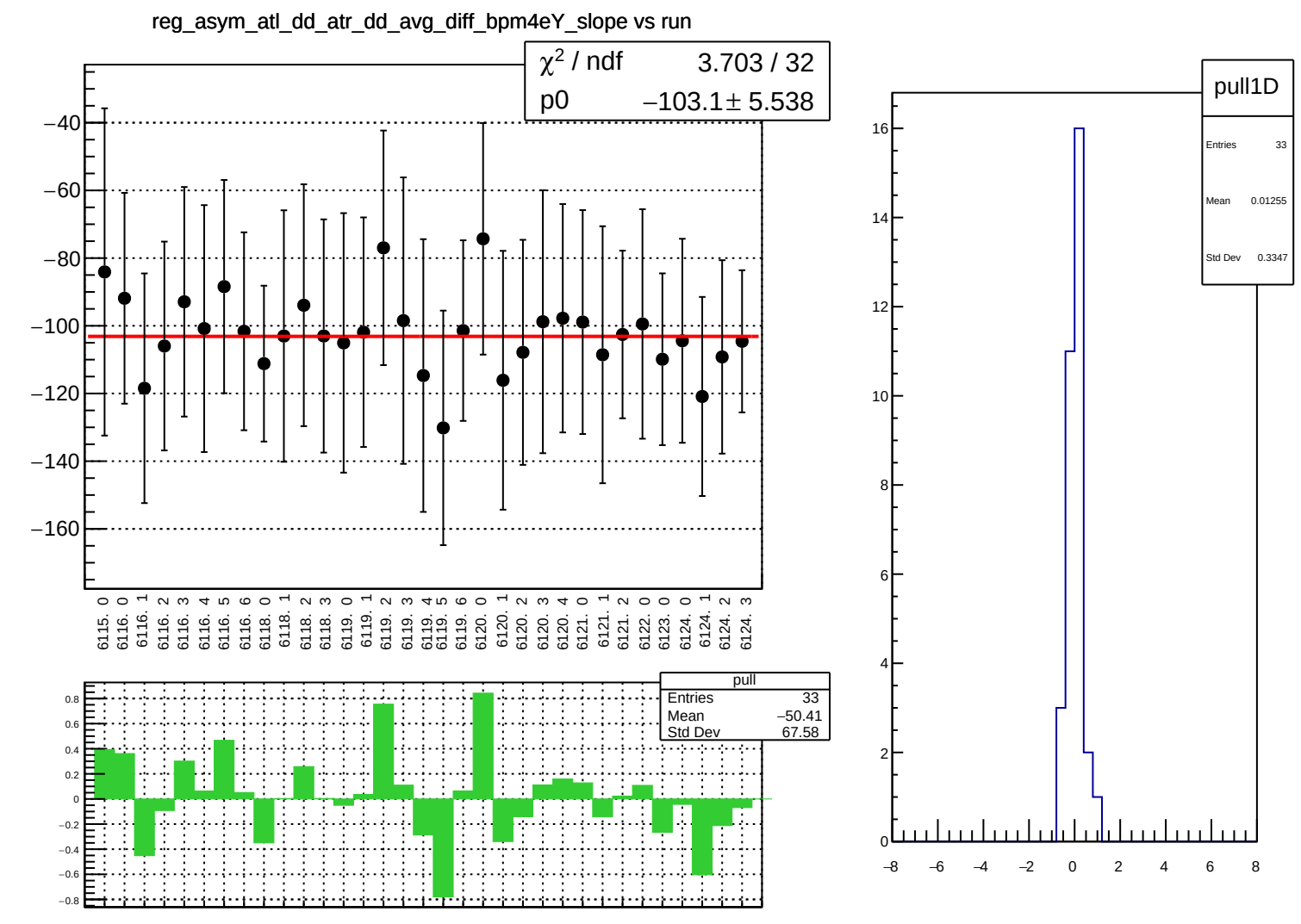

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aX_slope vs run
χ² / ndf 3.875 / 32
p0 222.7 ± 8.302
350
300
250
200
150
100
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 157.9
Std Dev 147.5
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

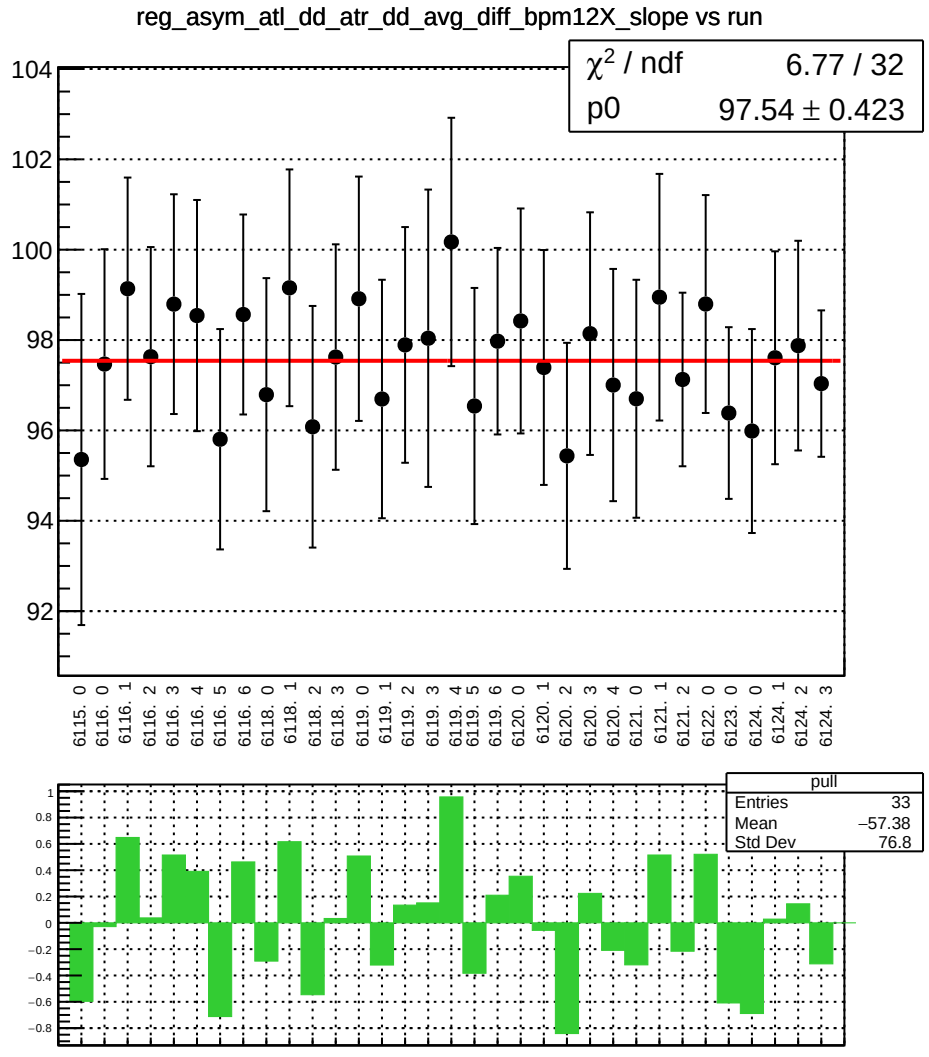

pull1D
Entries 33
Mean 0.003186
Std Dev 0.3427
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

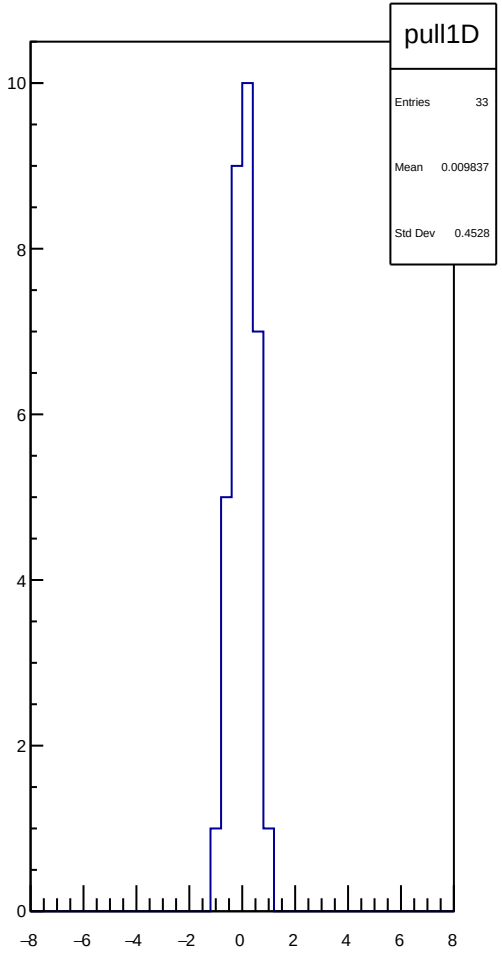

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.417 / 32
p0 29.26 ± 5.183
100
80
60
40
20
0
−20
−40
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −46.3
Std Dev 61.34
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 33
Mean −0.007591
Std Dev 0.3217
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

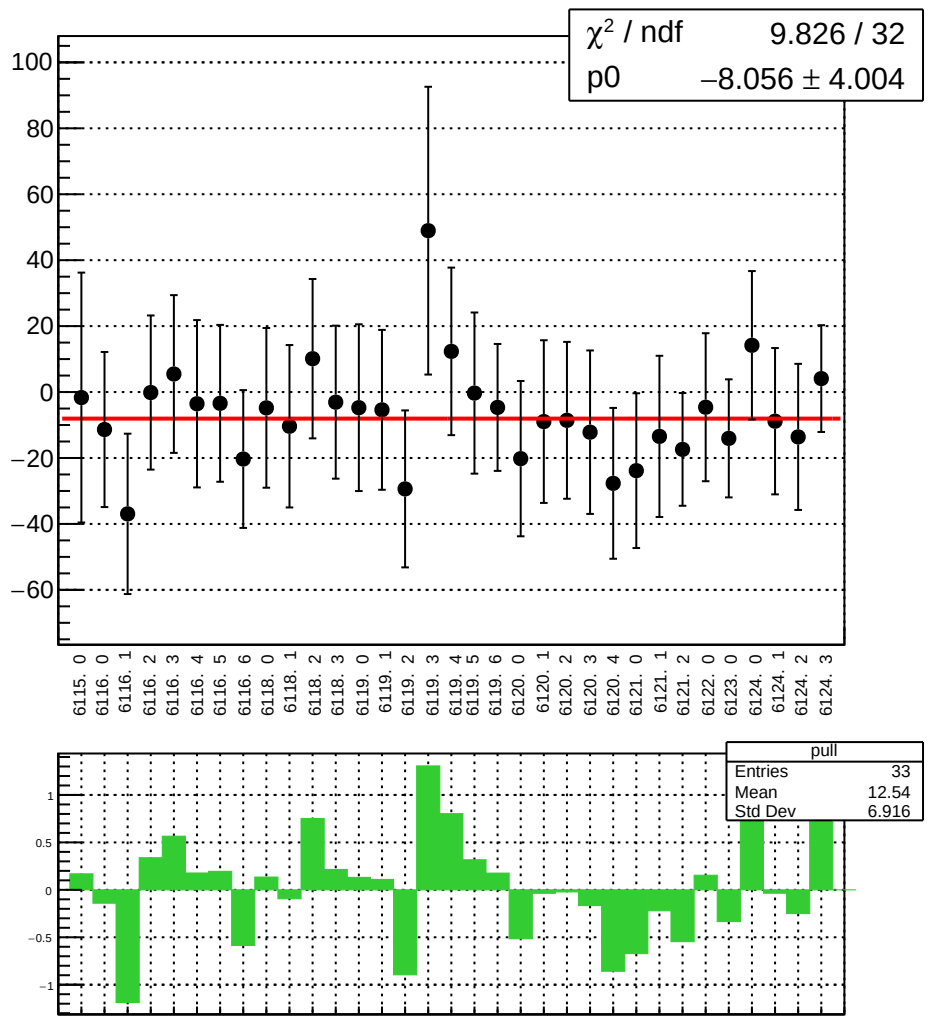

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.893 / 32
p0 −298.8 ± 9.66
−150
−200
−250
−300
−350
−400
−450
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 160.5
Std Dev 149.5
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

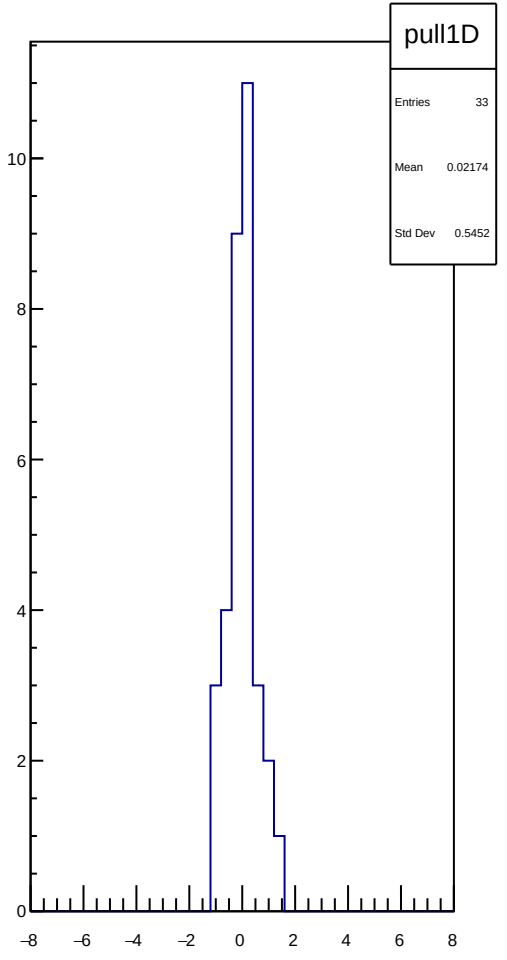

pull1D
Entries 33
Mean −0.00329
Std Dev 0.3434
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

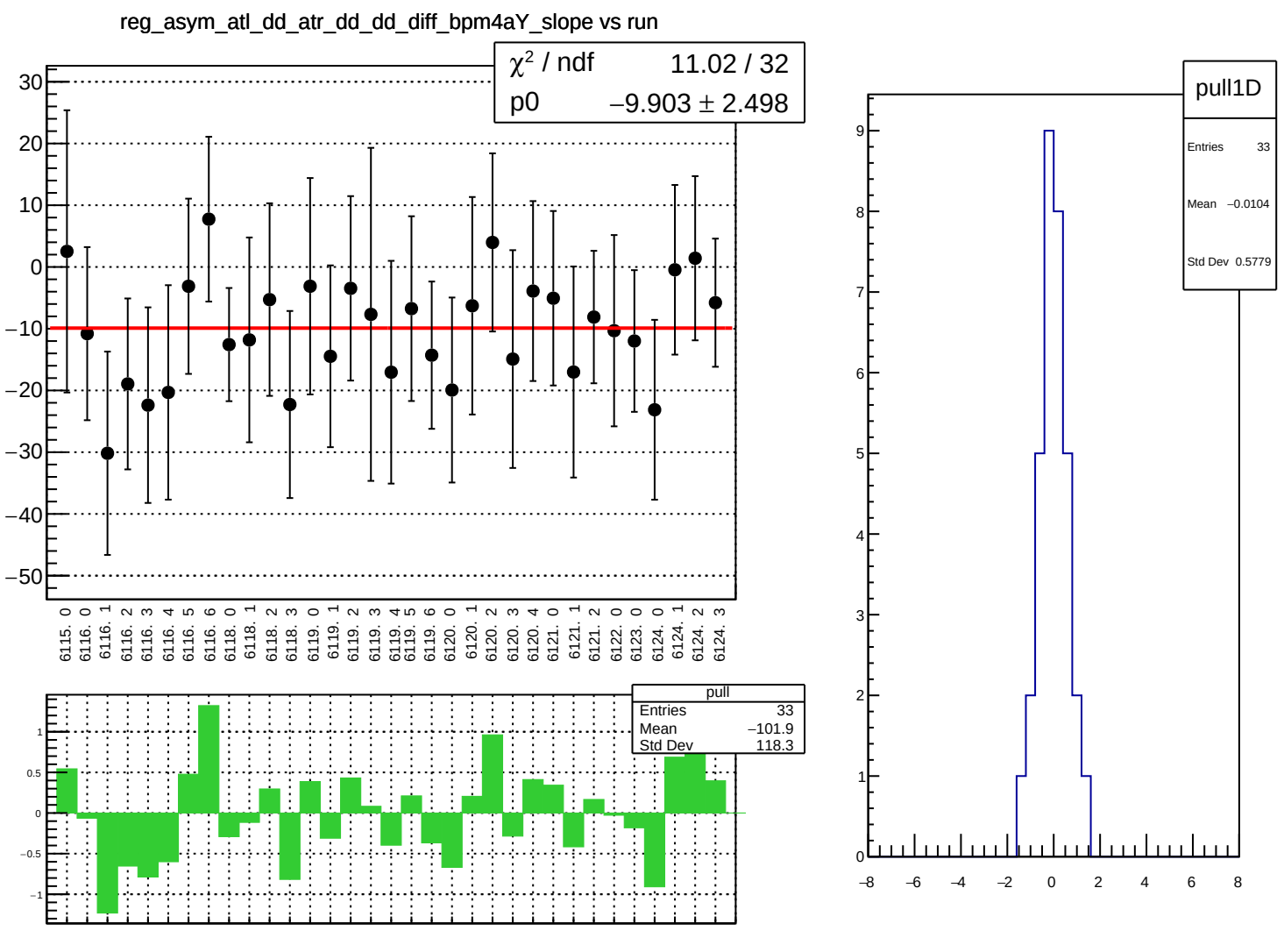

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.703 / 32
p0 −103.1± 5.538
−40
−60
−80
−100
−120
−140
−160
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −50.41
Std Dev 67.58
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 33
Mean 0.01255
Std Dev 0.3347
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

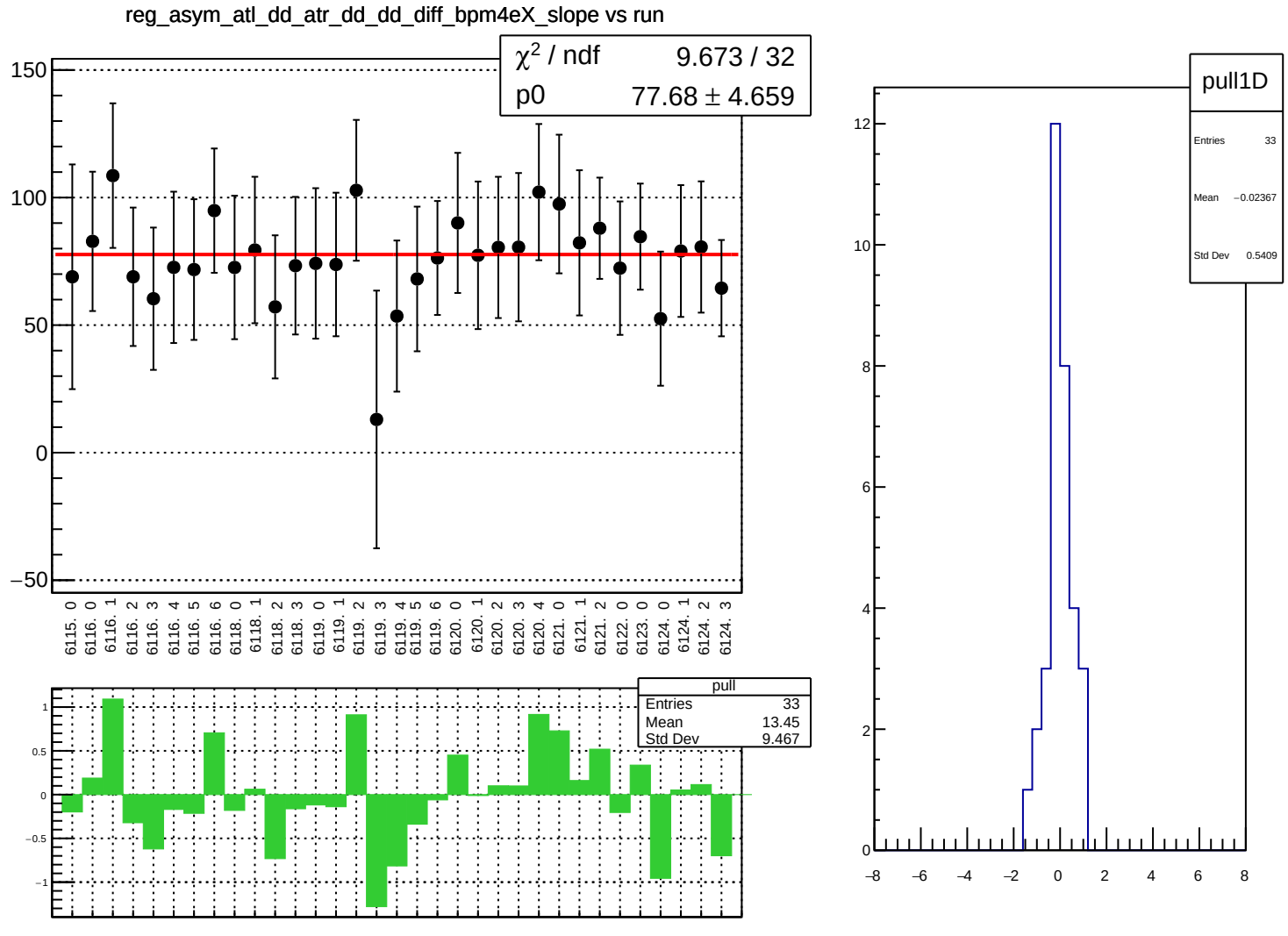

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 6.77 / 32
p0 97.54 ± 0.423
104
102
100
98
96
94
92
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −57.38
Std Dev 76.8
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

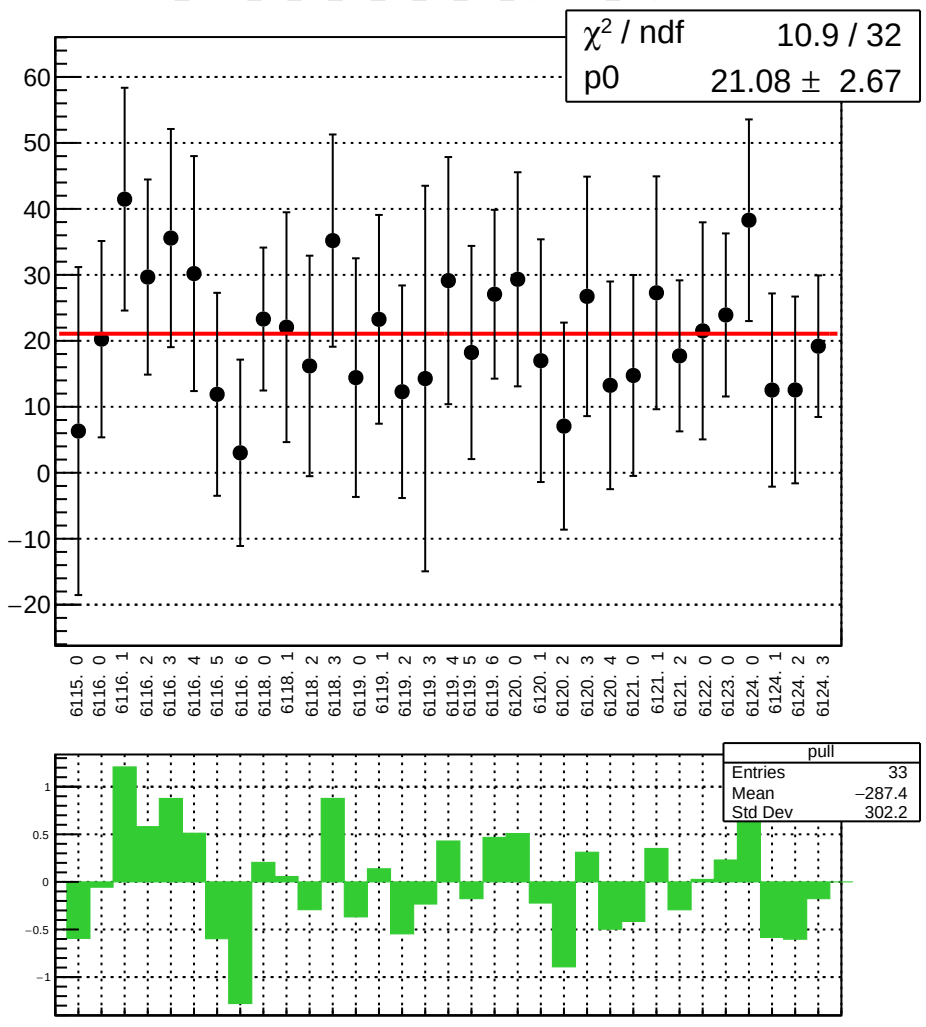

pull1D
Entries 33
Mean 0.009837
Std Dev 0.4528
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

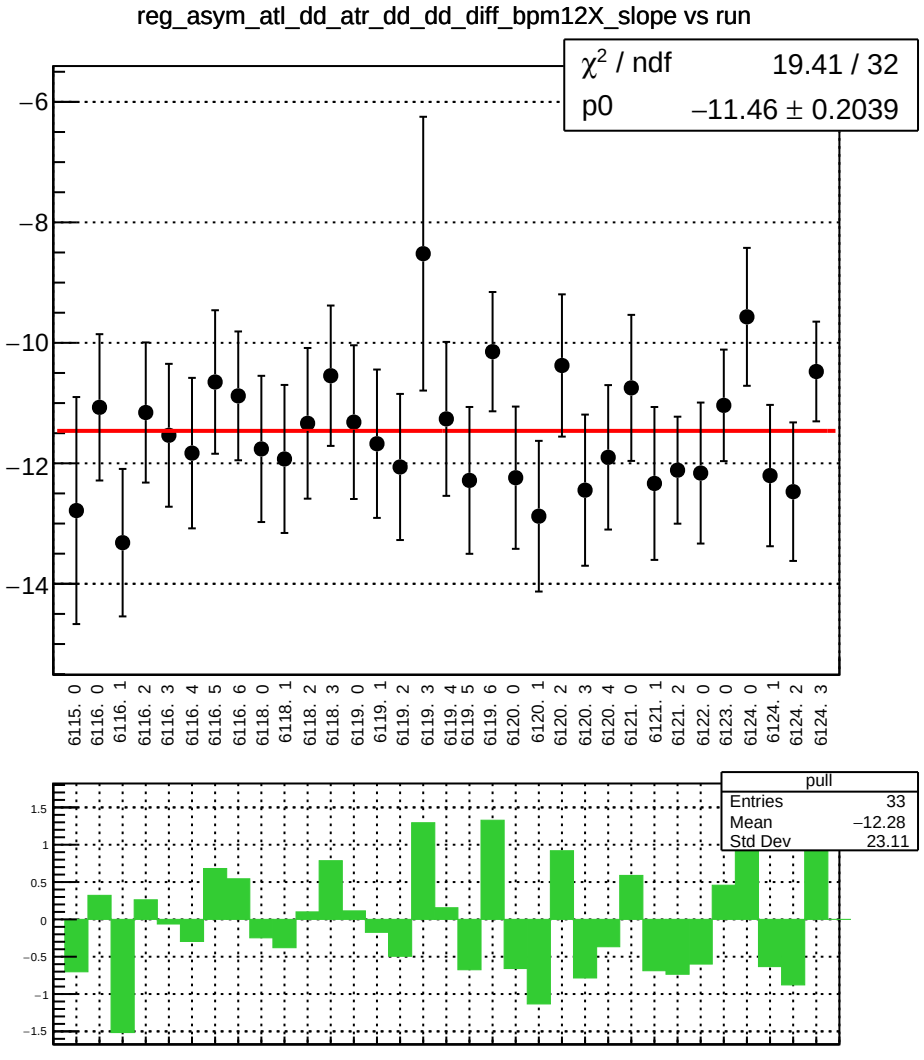

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aX_slope vs run
χ² / ndf 9.826 / 32
p0 −8.056 ± 4.004
100
80
60
40
20
0
−20
−40
−60
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 12.54
Std Dev 6.916
1
0.5
0
−0.5
−1

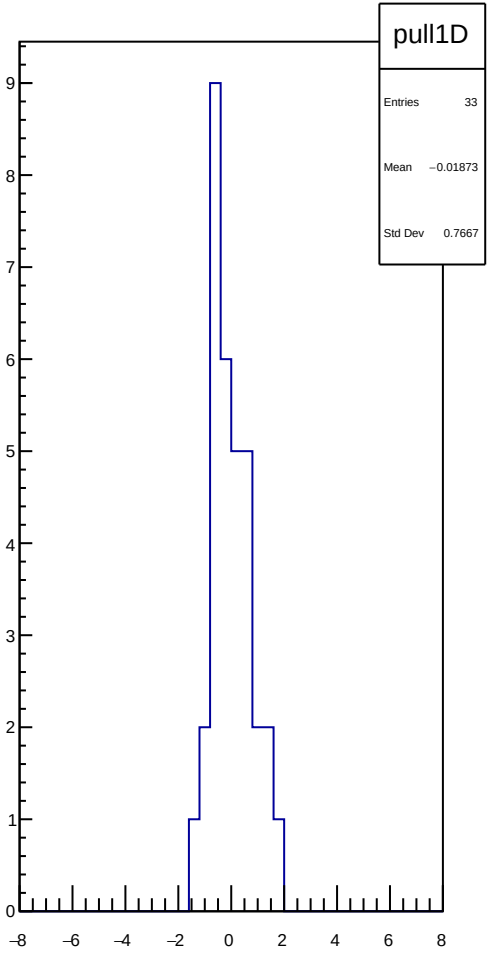

pull1D
Entries 33
Mean 0.02174
Std Dev 0.5452
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

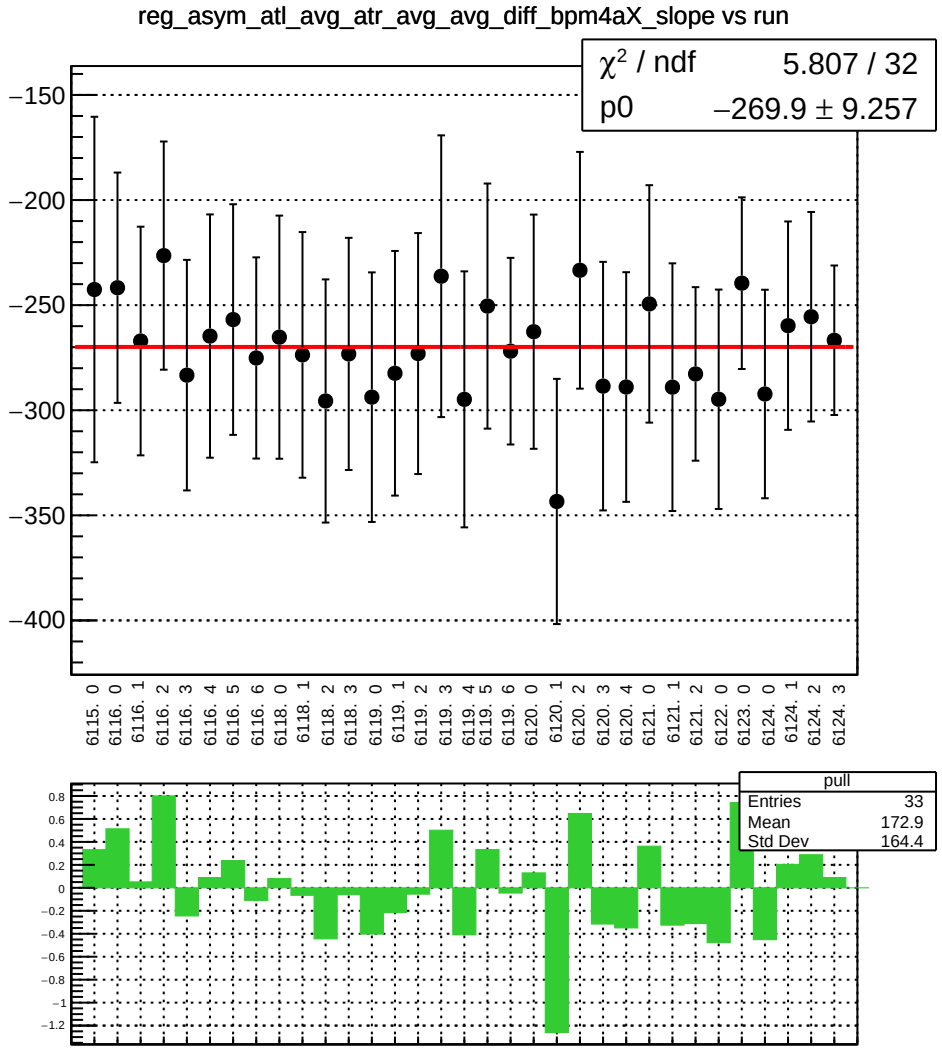

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.02 / 32
p0 −9.903 ± 2.498
30
20
10
0
−10
−20
−30
−40
−50
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −101.9
Std Dev 118.3
1
0.5
0
−0.5
−1
pull1D
Entries 33
Mean −0.0104
Std Dev 0.5779
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

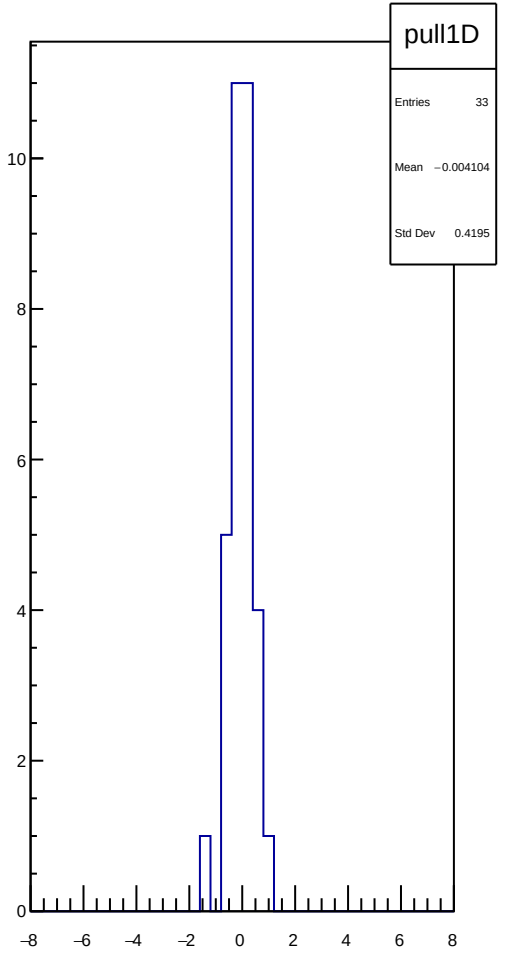

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 9.673 / 32
p0 77.68 ± 4.659
150
100
50
0
−50
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 13.45
Std Dev 9.467
1
0.5
0
−0.5
−1
pull1D
Entries 33
Mean −0.02367
Std Dev 0.5409
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

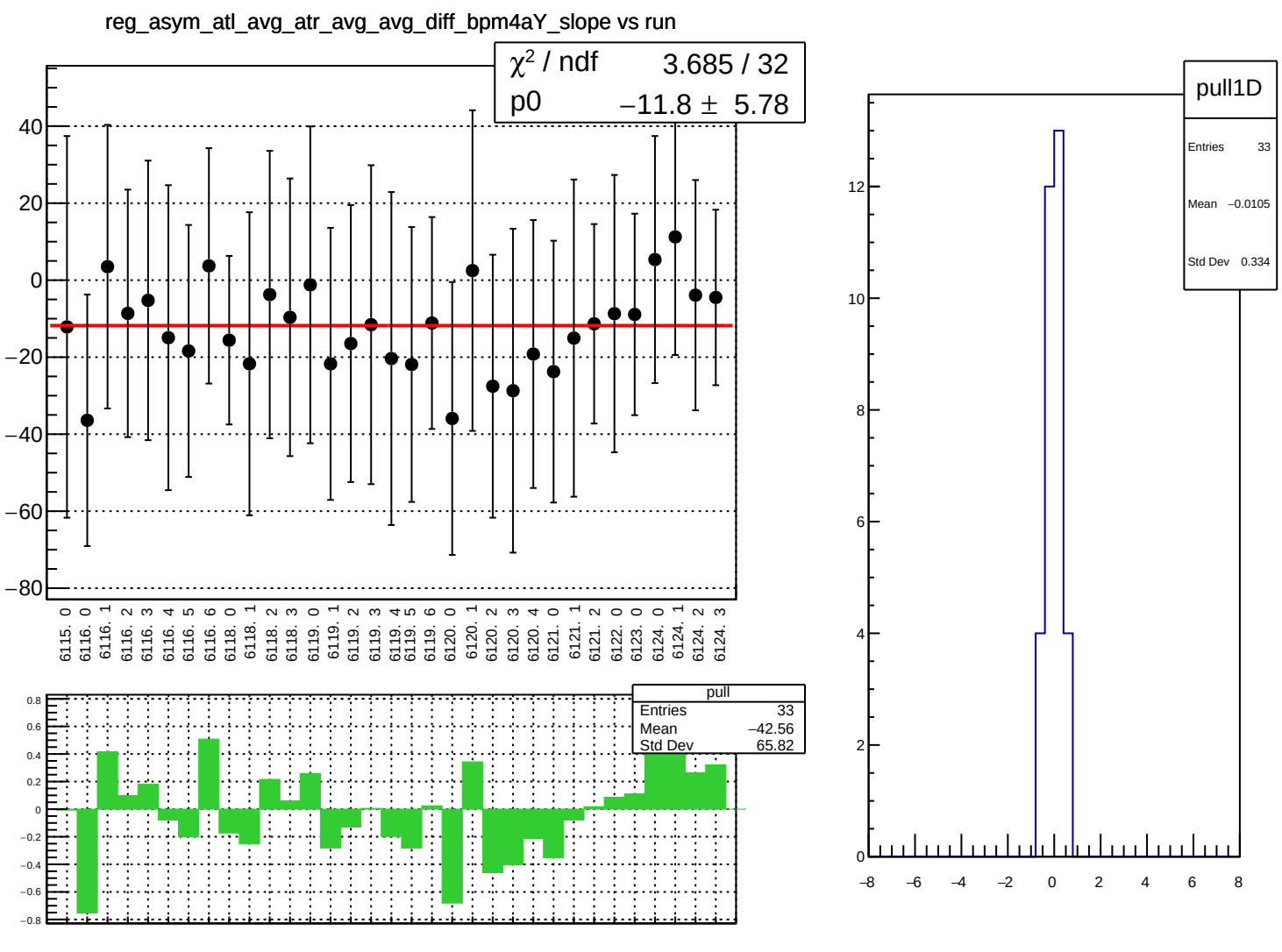

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.9 / 32
p0 21.08 ± 2.67
pull
Entries 33
Mean −287.4
Std Dev 302.2
pull1D
Entries 33
Mean 0.002513
Std Dev 0.5747

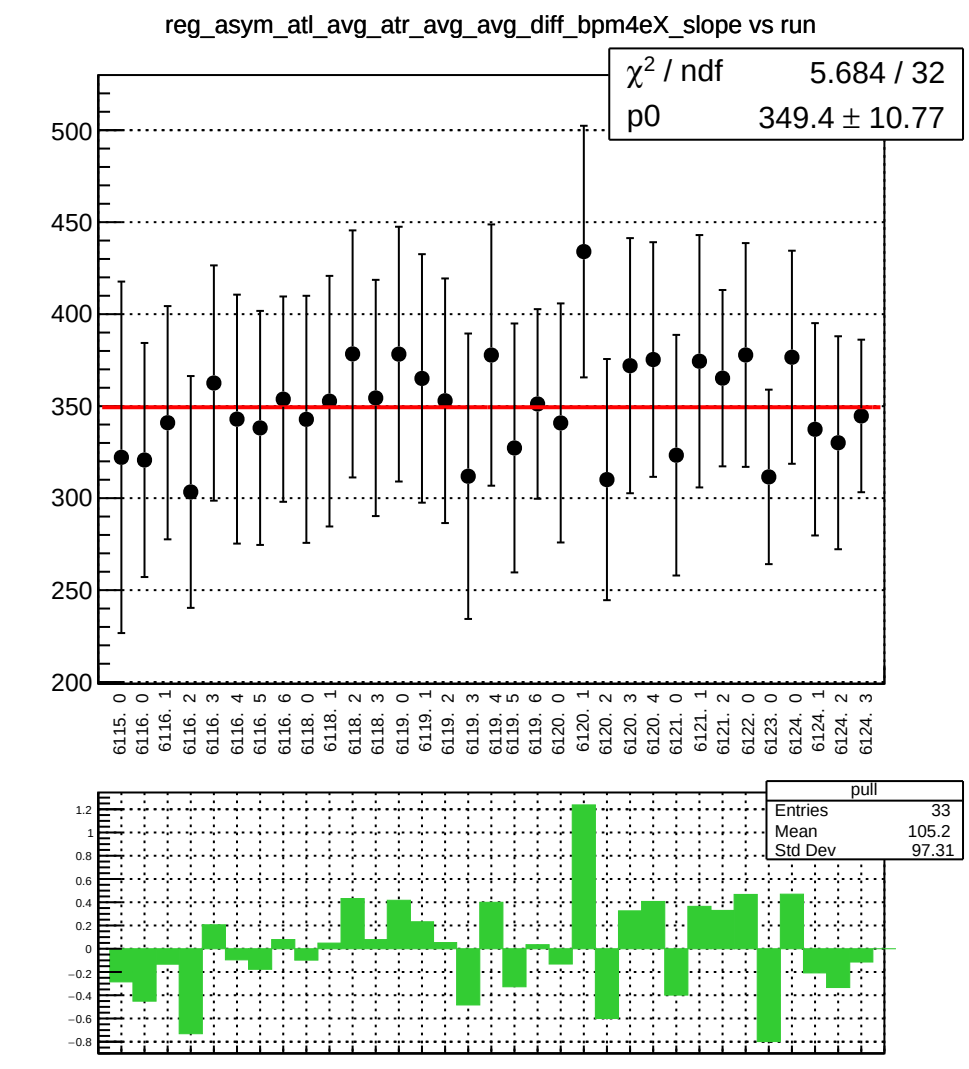

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 19.41 / 32
p0 −11.46 ± 0.2039
−6
−8
−10
−12
−14
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −12.28
Std Dev 23.11
1.5
1
0.5
0
−0.5
−1
−1.5

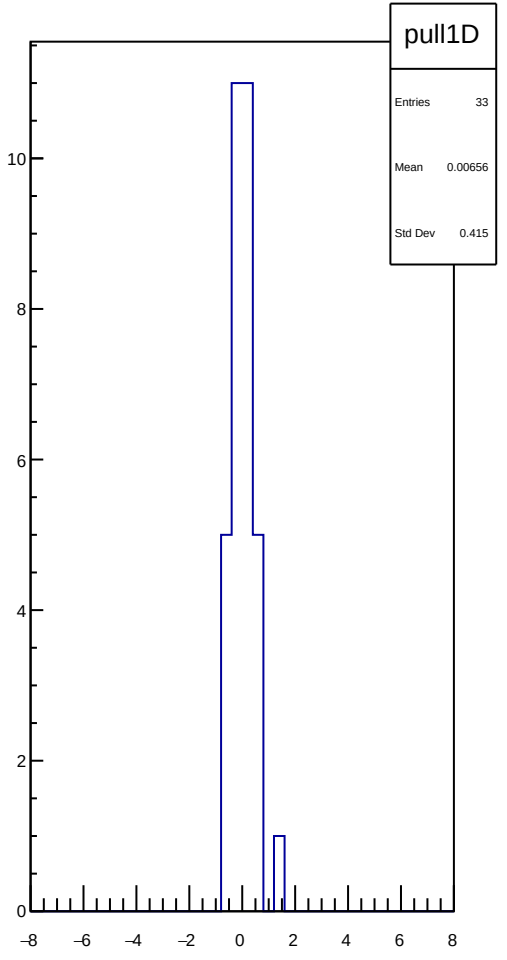

pull1D
Entries 33
Mean −0.01873
Std Dev 0.7667
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

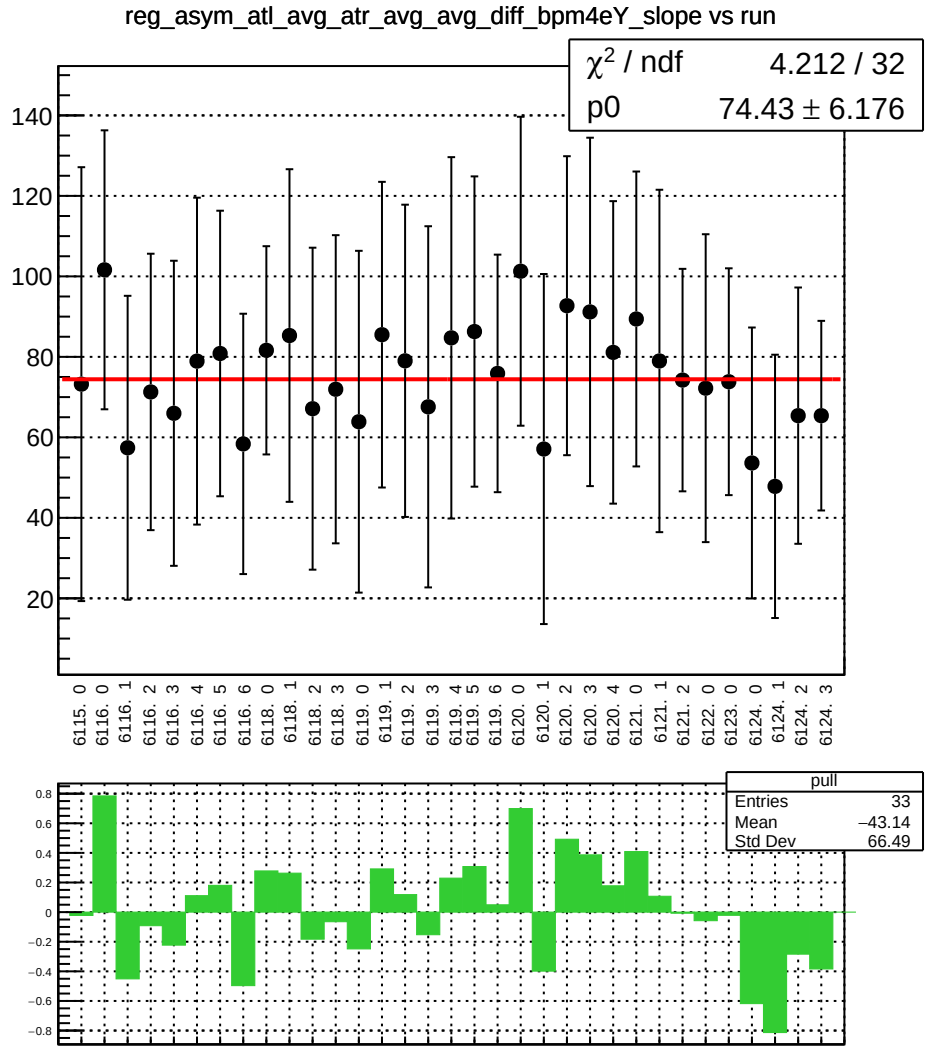

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aX_slope vs run
χ² / ndf 5.807 / 32
p0 −269.9 ± 9.257
−150
−200
−250
−300
−350
−400
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 172.9
Std Dev 164.4
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

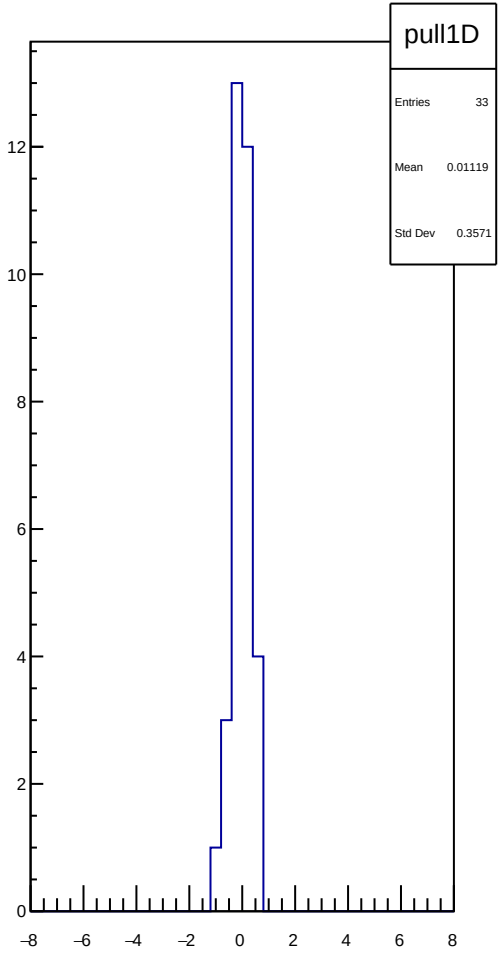

pull1D
Entries 33
Mean −0.004104
Std Dev 0.4195
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

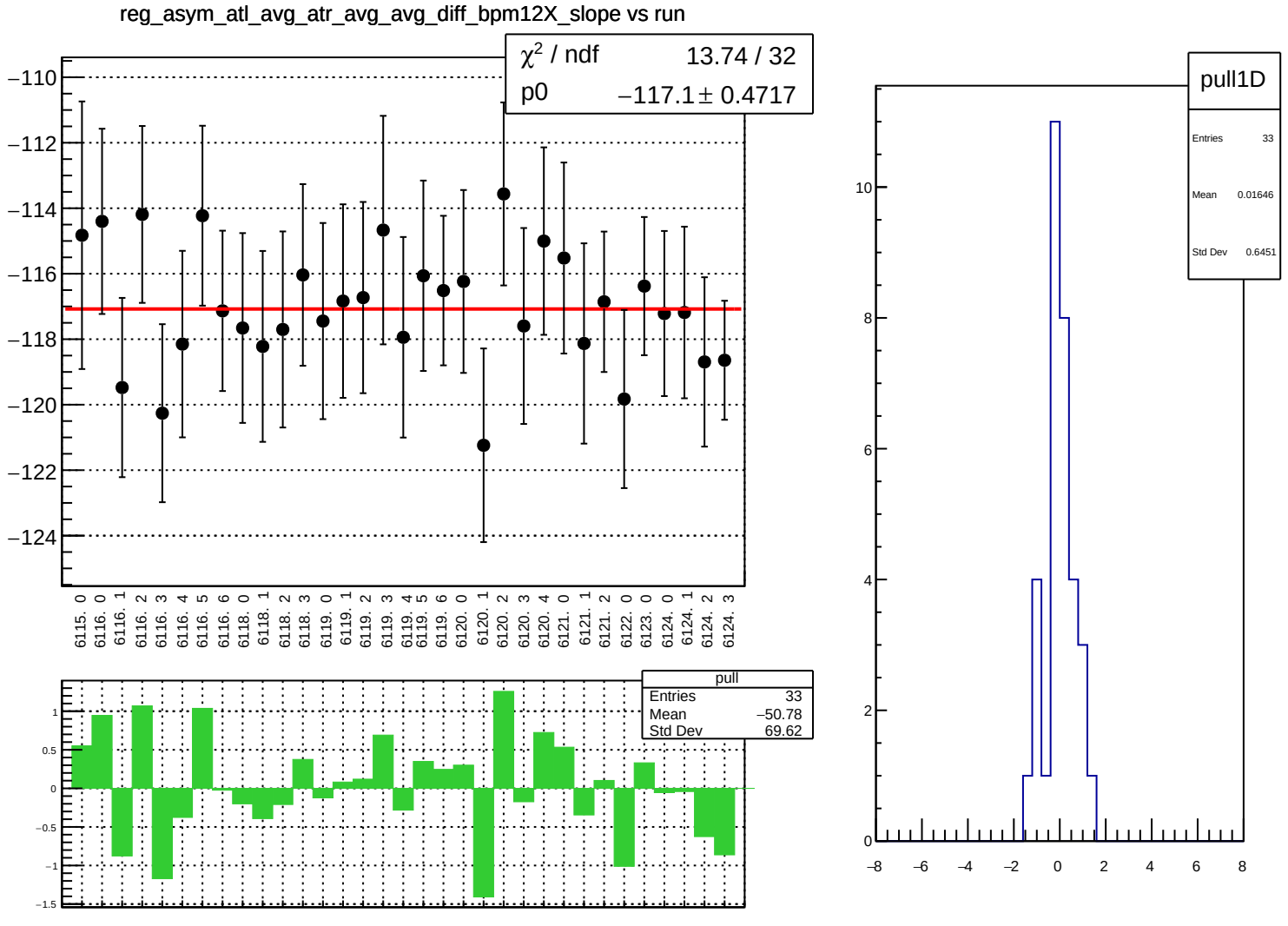

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.685 / 32
p0 −11.8 ± 5.78
40
20
0
−20
−40
−60
−80
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −42.56
Std Dev 65.82
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 33
Mean −0.0105
Std Dev 0.334
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

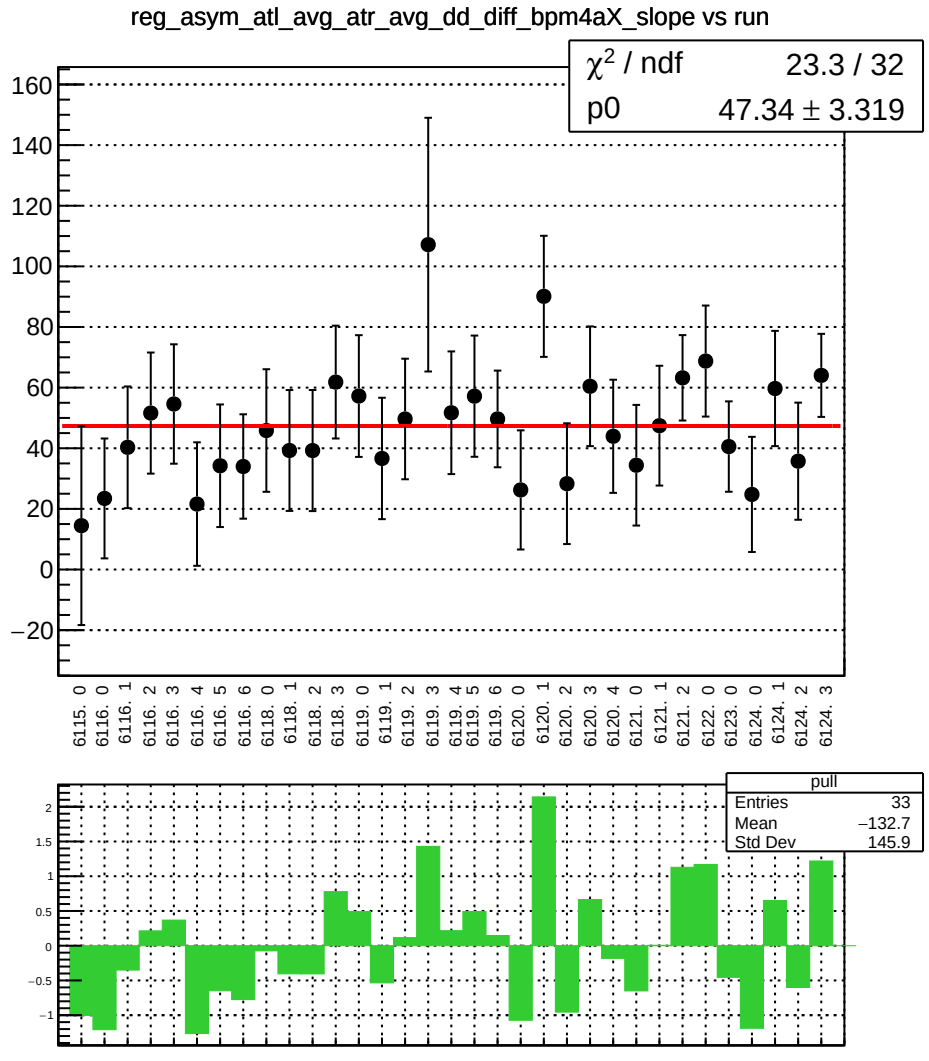

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 5.684 / 32
p0 349.4 ± 10.77
500
450
400
350
300
250
200
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 105.2
Std Dev 97.31
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

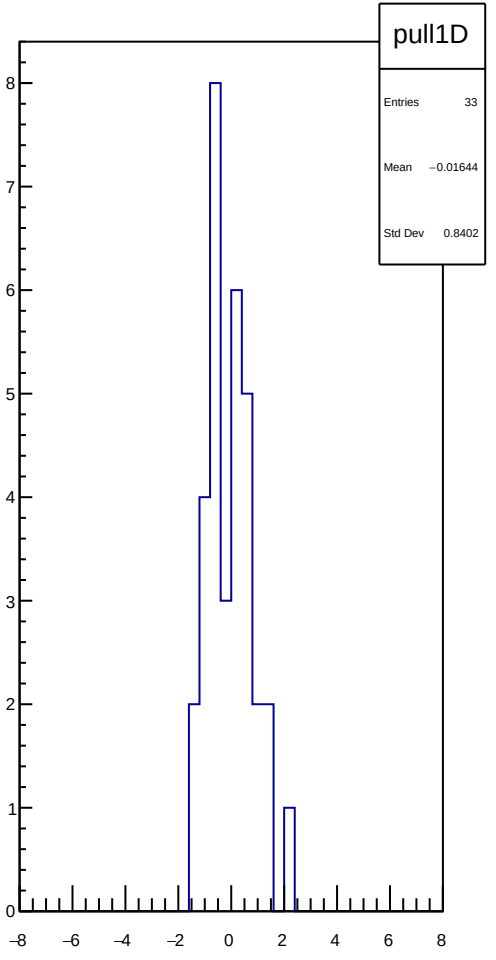

pull1D
Entries 33
Mean 0.00656
Std Dev 0.415
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

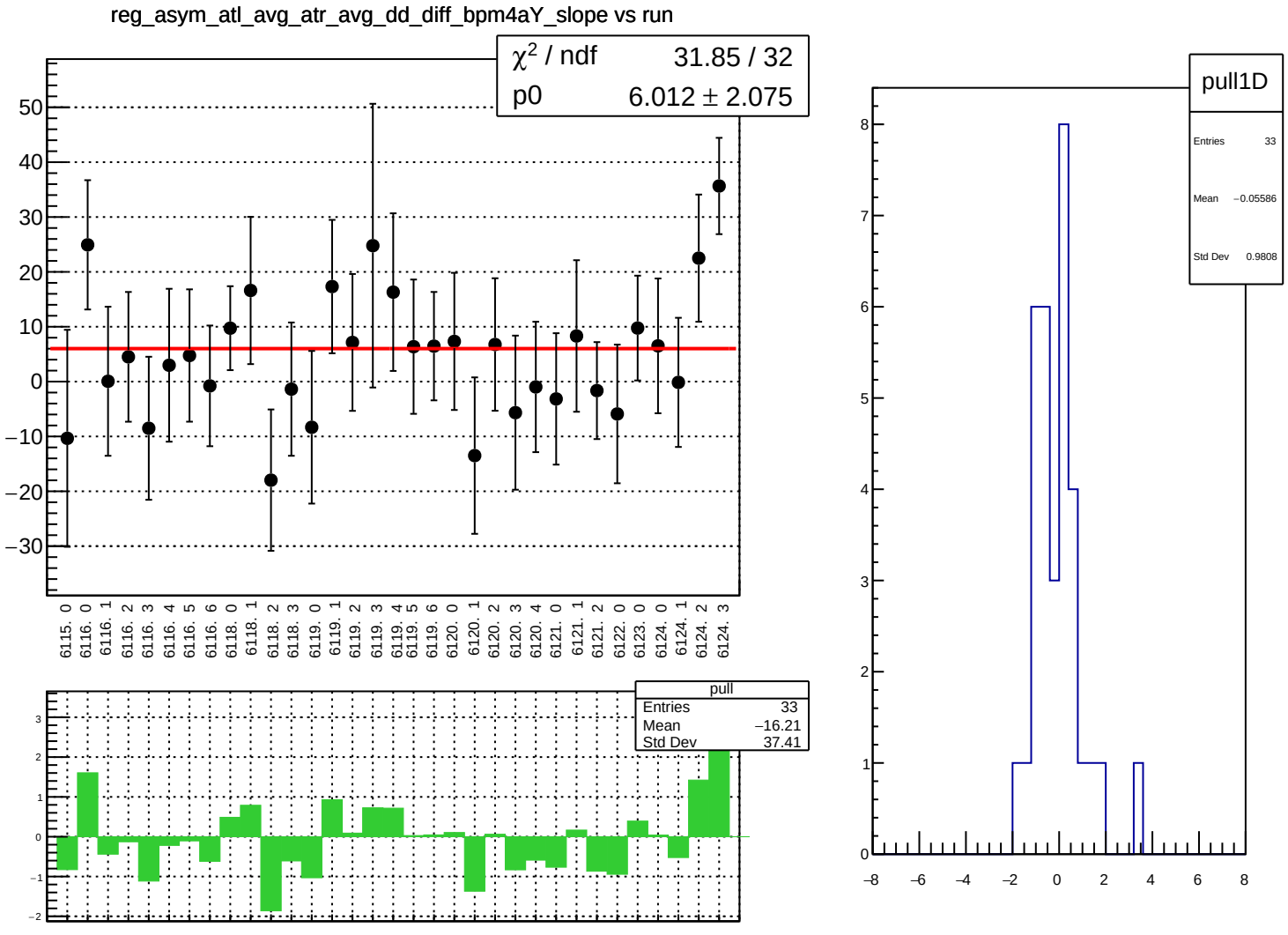

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.212 / 32
p0 74.43 ± 6.176
140
120
100
80
60
40
20
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −43.14
Std Dev 66.49
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

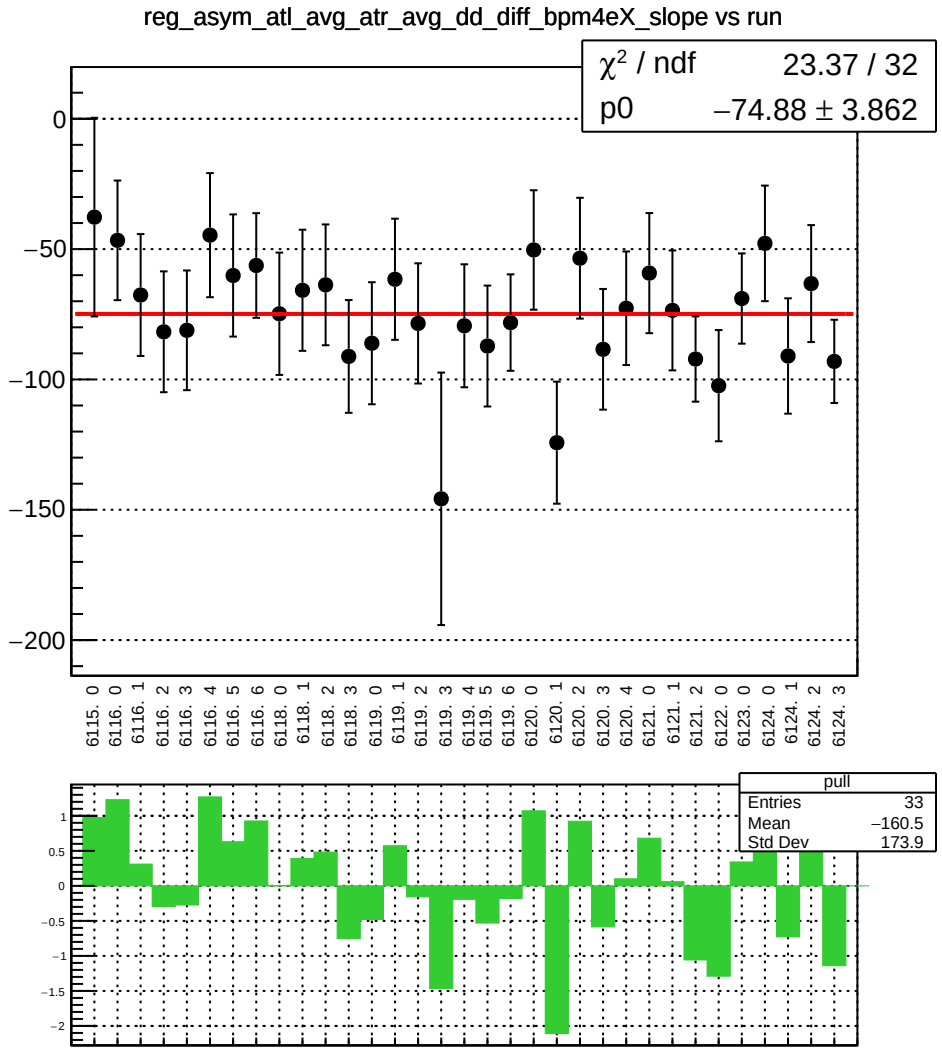

pull1D
Entries 33
Mean 0.01119
Std Dev 0.3571
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

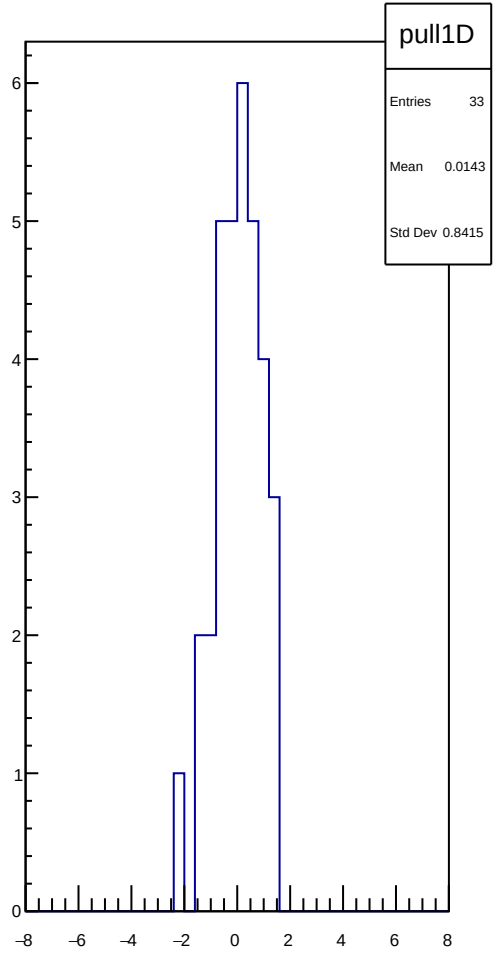

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 13.74 / 32
p0 −117.1 ± 0.4717
−110
−112
−114
−116
−118
−120
−122
−124
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −50.78
Std Dev 69.62
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.01646
Std Dev 0.6451
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

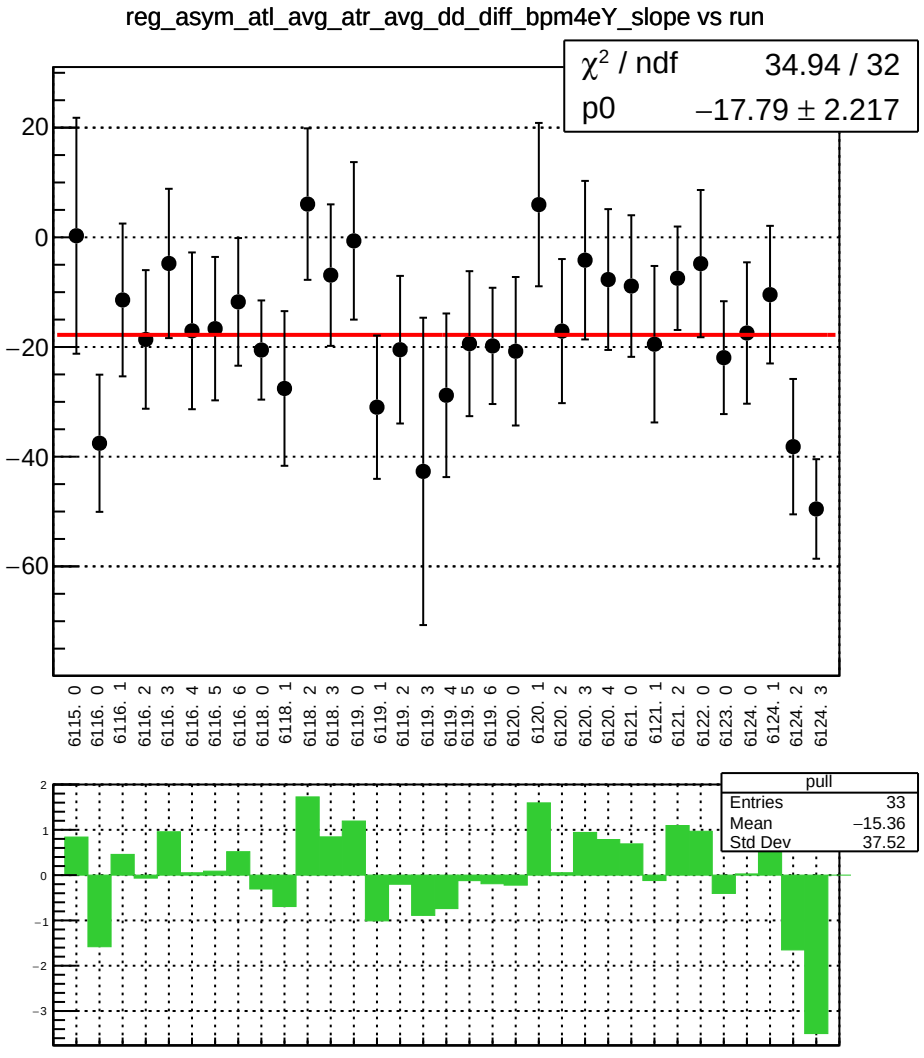

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aX_slope vs run
χ² / ndf 23.3 / 32
p0 47.34 ± 3.319
160
140
120
100
80
60
40
20
0
−20
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −132.7
Std Dev 145.9
2
1.5
1
0.5
0
−0.5
−1

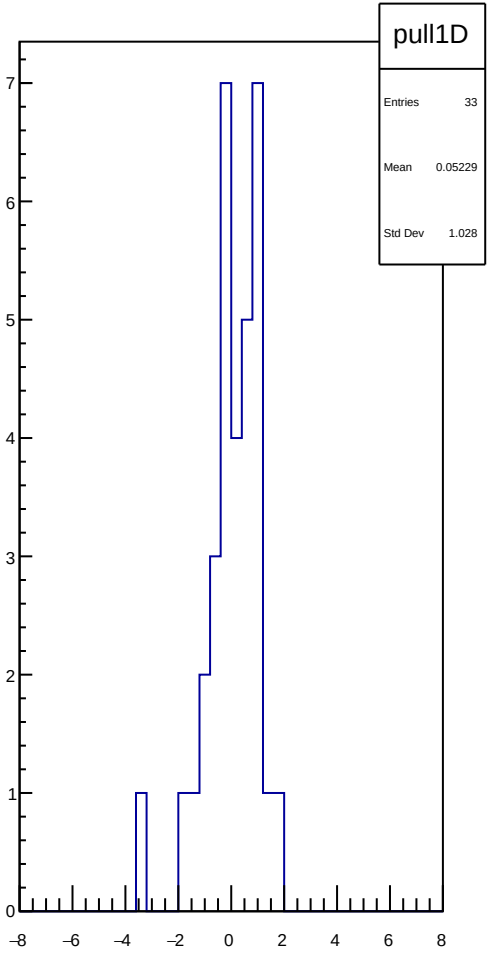

pull1D
Entries 33
Mean −0.01644
Std Dev 0.8402
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

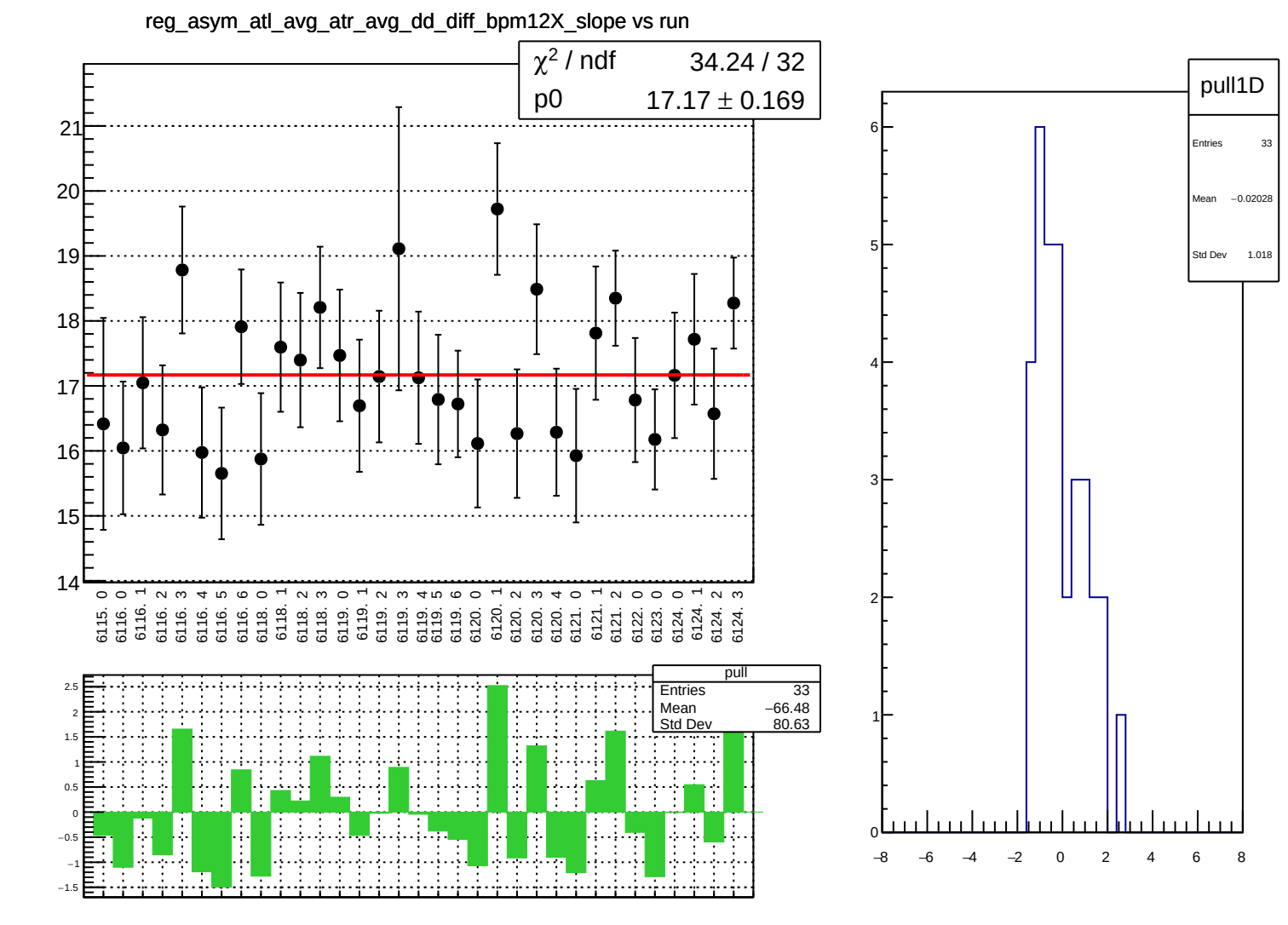

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 31.85 / 32
p0 6.012 ± 2.075
50
40
30
20
10
0
−10
−20
−30
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −16.21
Std Dev 37.41
3
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.05586
Std Dev 0.9808
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

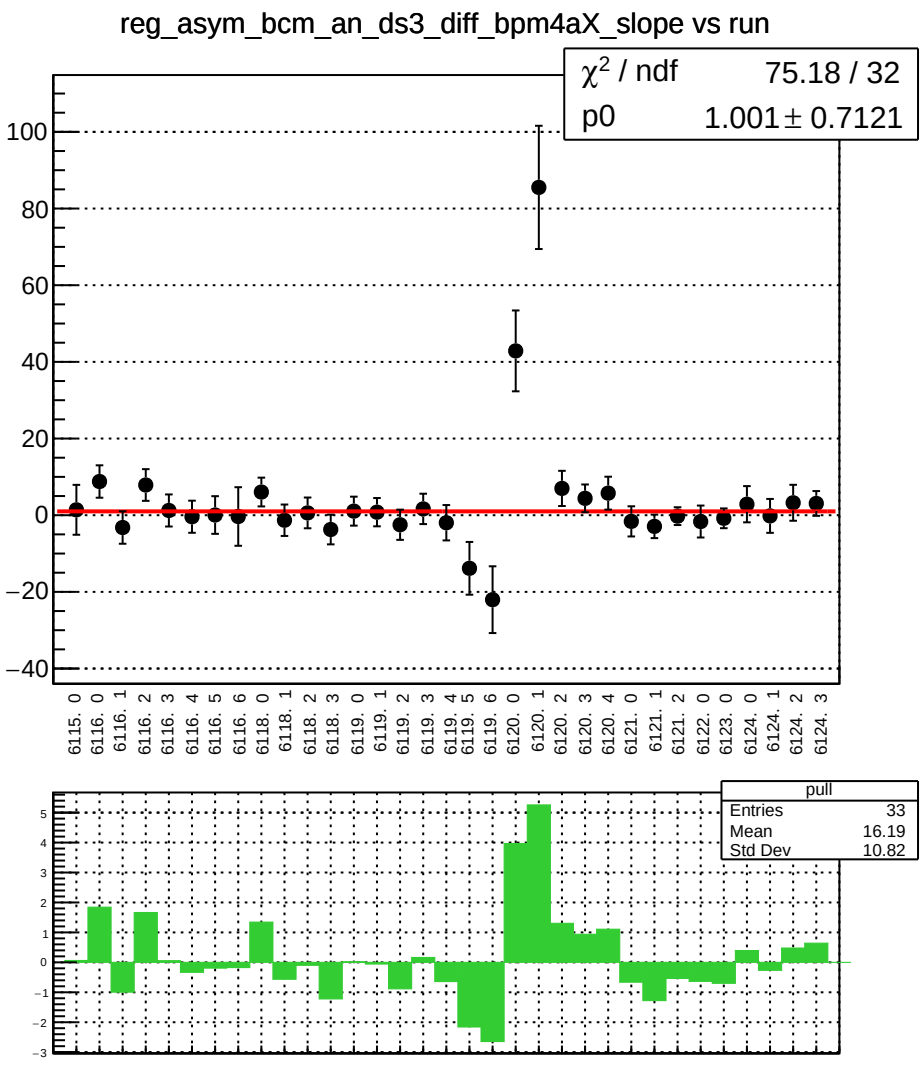

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 23.37 / 32
p0 −74.88 ± 3.862
0
−50
−100
−150
−200
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −160.5
Std Dev 173.9
1
0.5
0
−0.5
−1
−1.5
−2

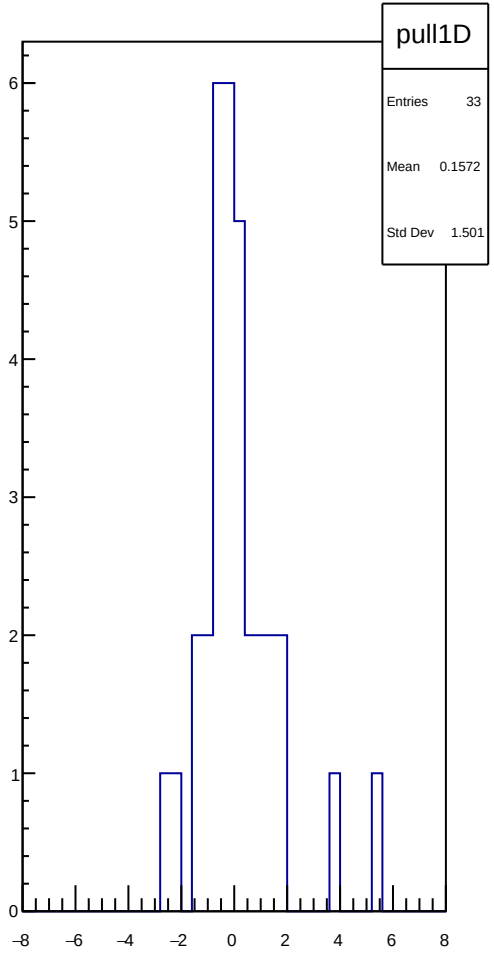

pull1D
Entries 33
Mean 0.0143
Std Dev 0.8415
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

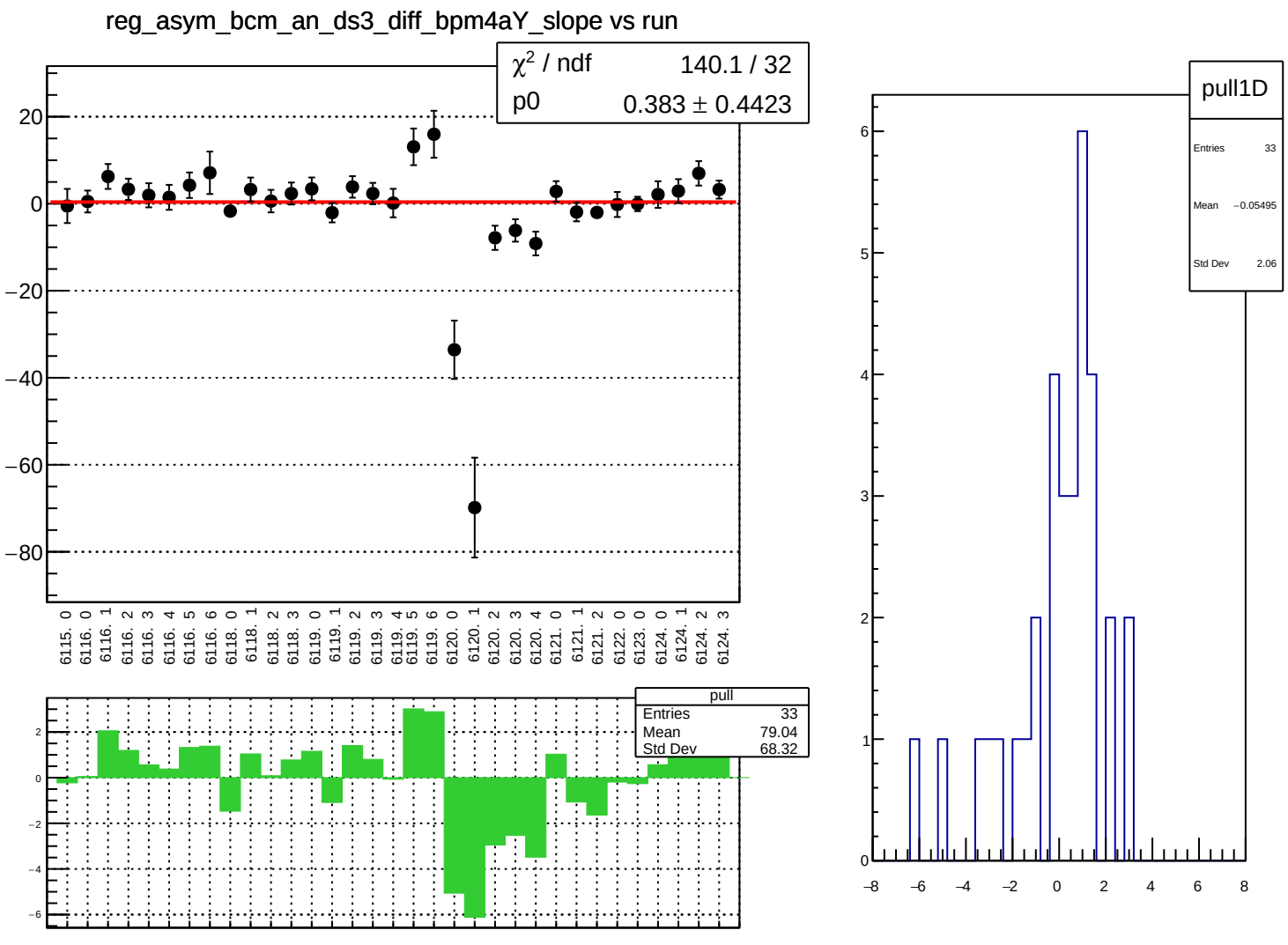

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 34.94 / 32
p0 −17.79 ± 2.217
20
0
−20
−40
−60
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean −15.36
Std Dev 37.52
2
1
0
−1
−2
−3

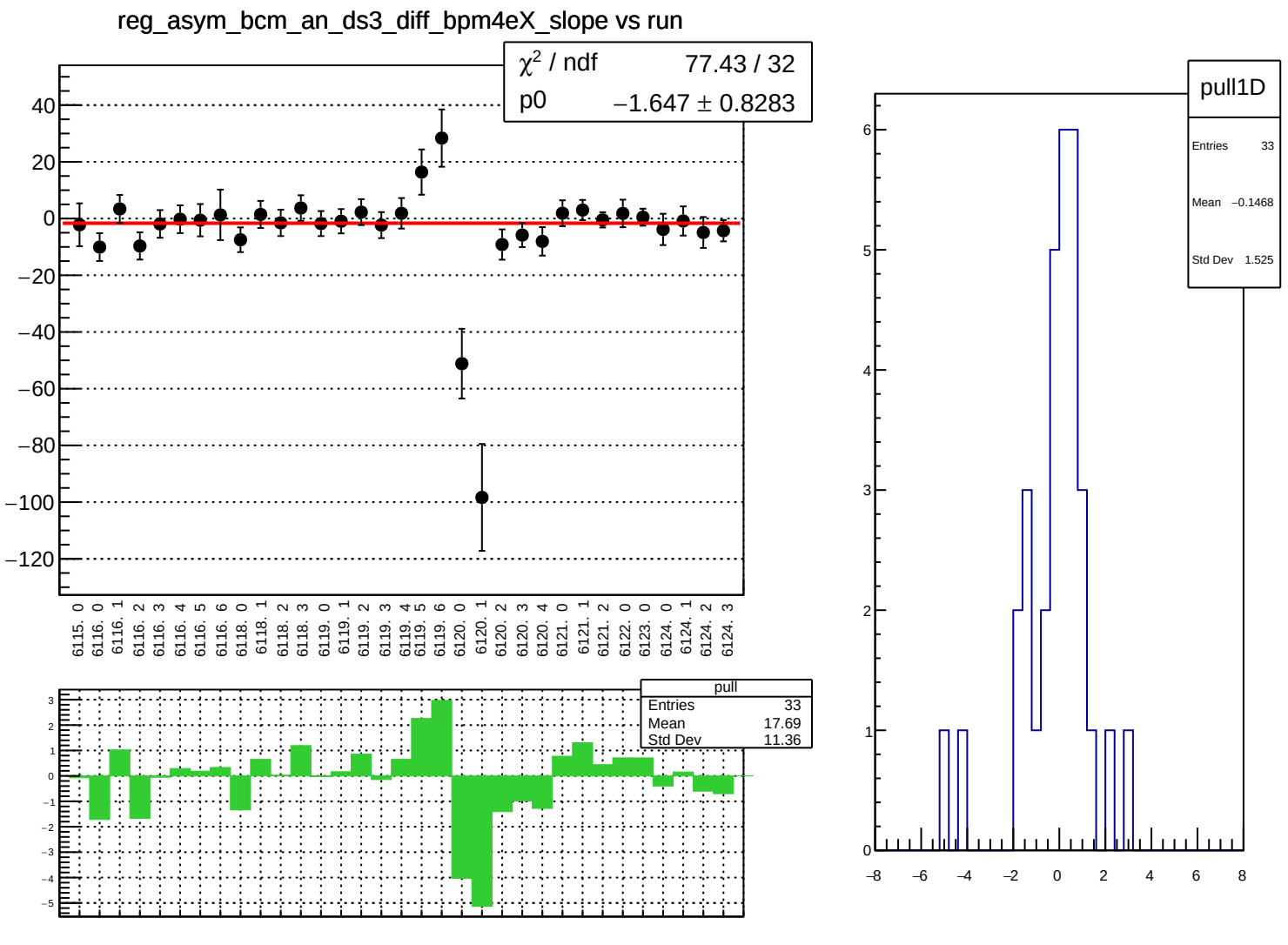

pull1D
Entries 33
Mean 0.05229
Std Dev 1.028
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

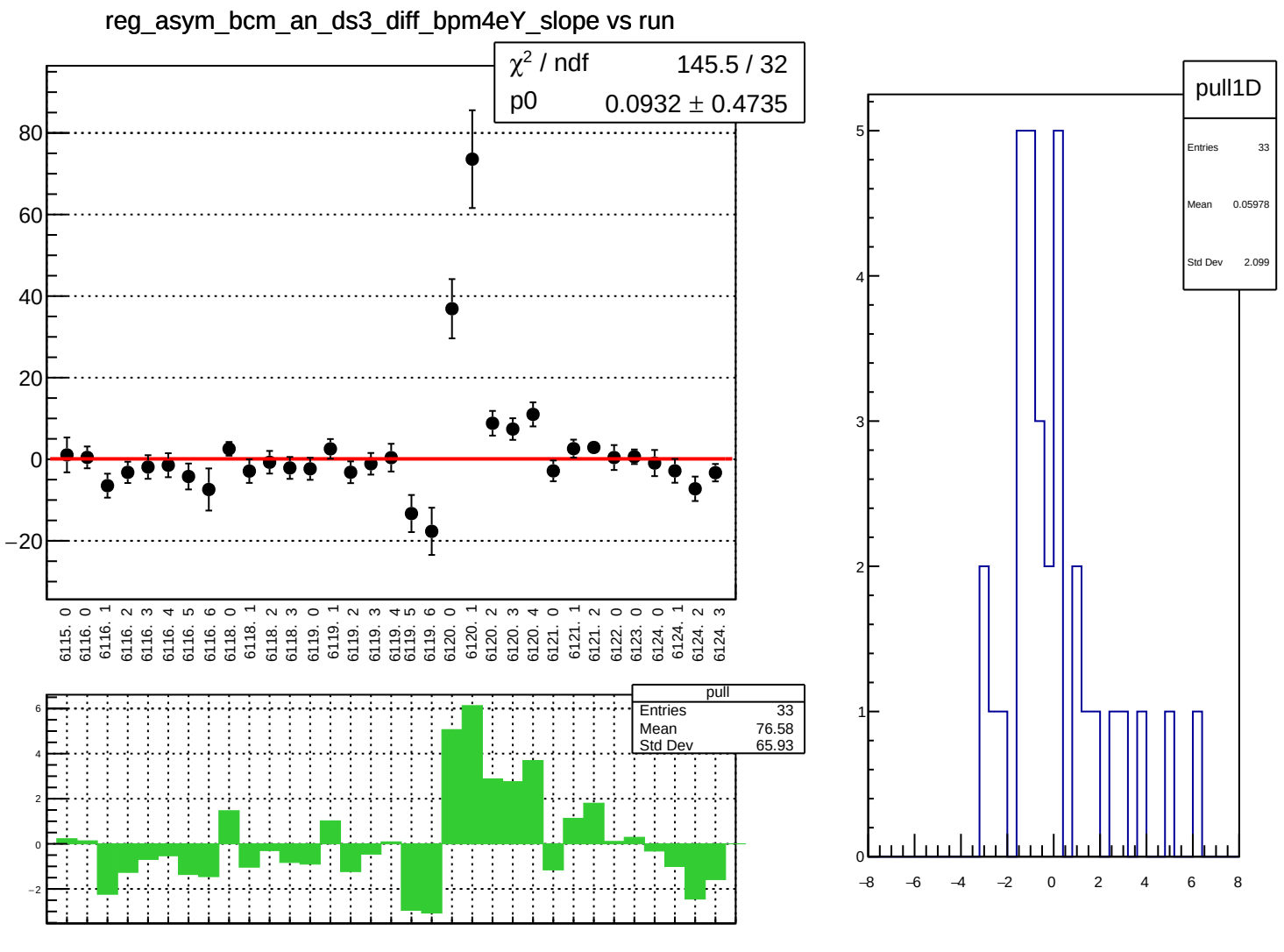

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 34.24 / 32
p0 17.17 ± 0.169
pull
Entries 33
Mean −66.48
Std Dev 80.63
pull1D
Entries 33
Mean −0.02028
Std Dev 1.018

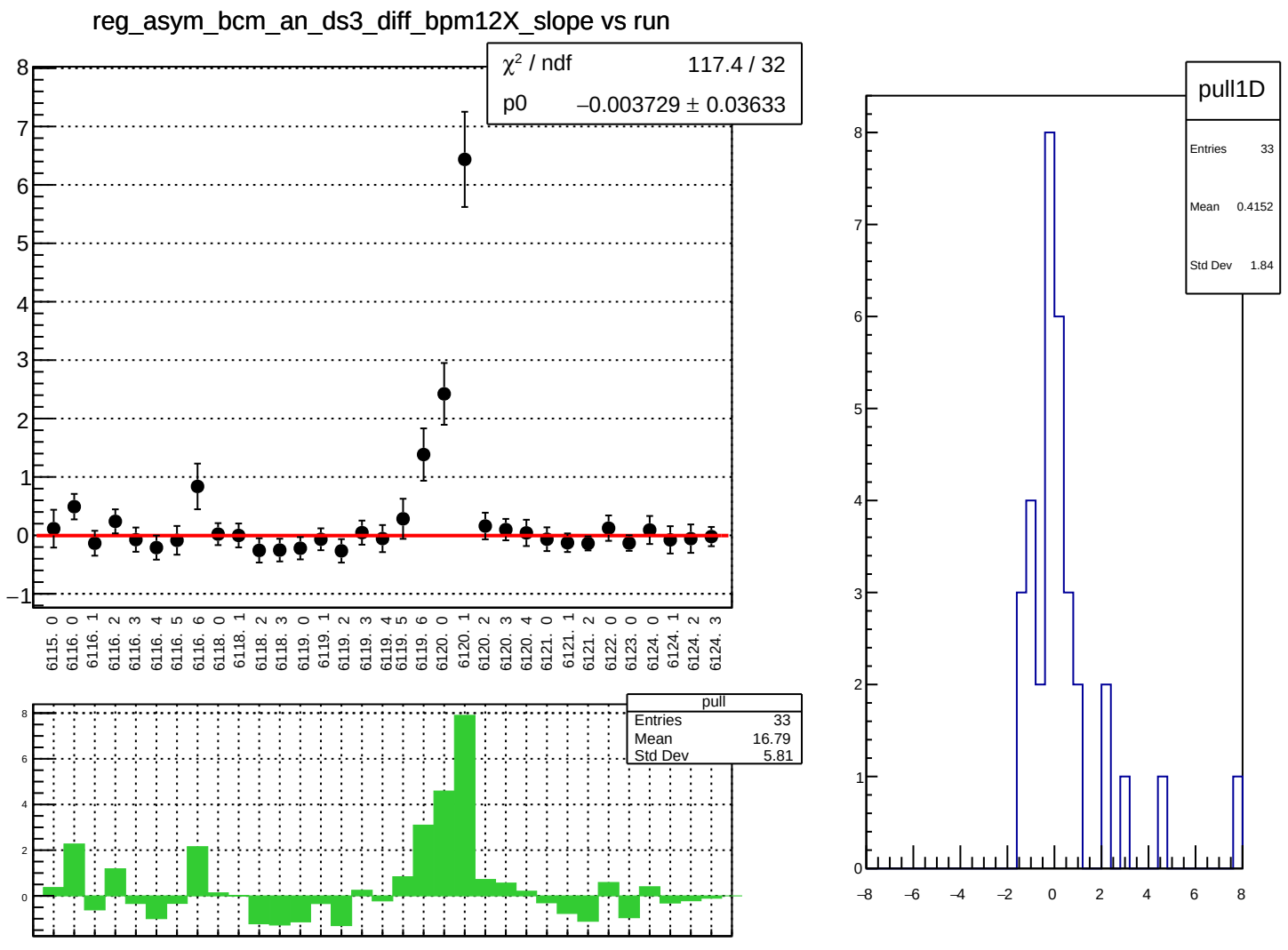

reg_asym_bcm_an_ds3_diff_bpm4aX_slope vs run
χ² / ndf 75.18 / 32
p0 1.001 ± 0.7121
pull
Entries 33
Mean 16.19
Std Dev 10.82

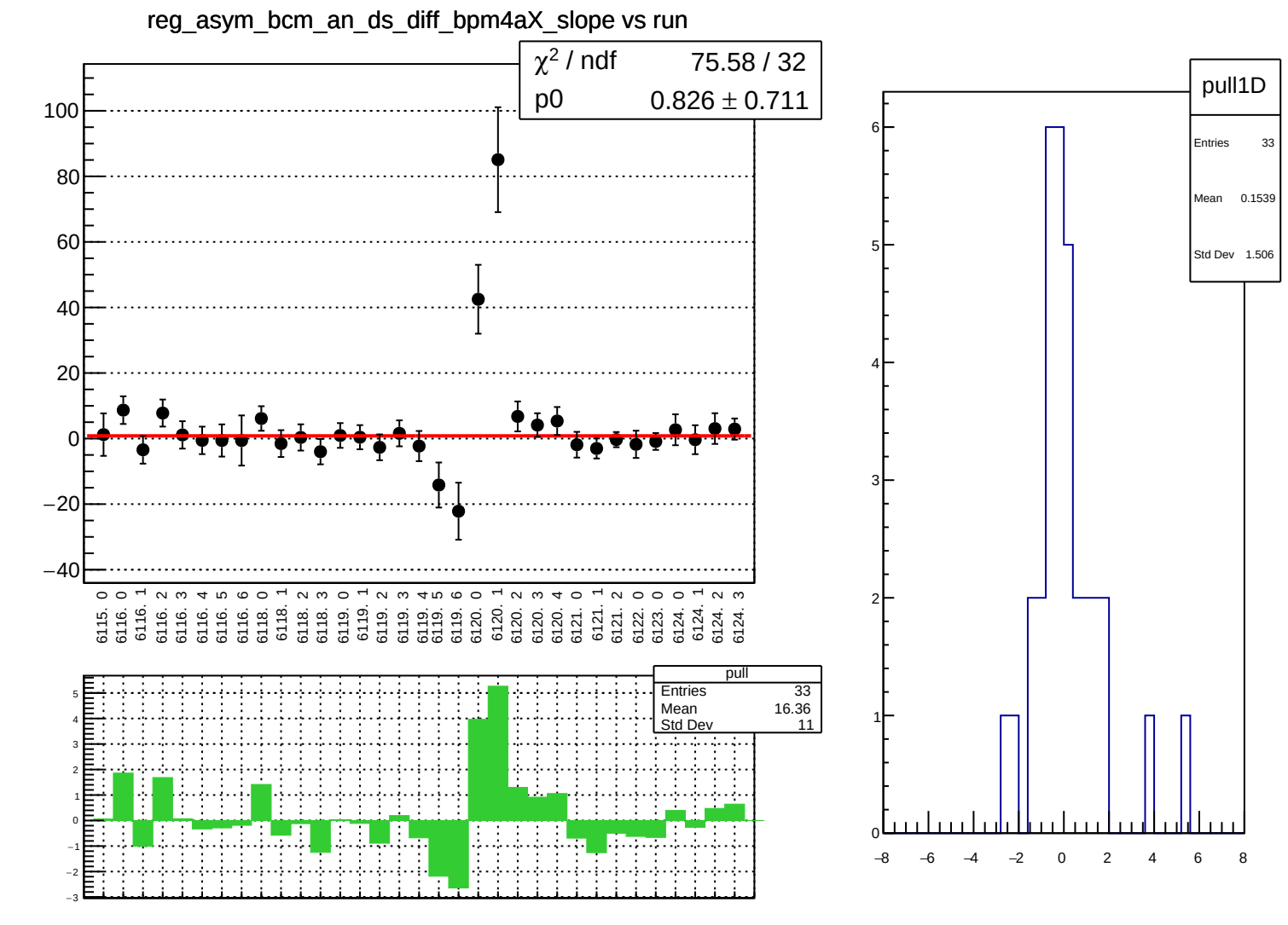

pull1D
Entries 33
Mean 0.1572
Std Dev 1.501

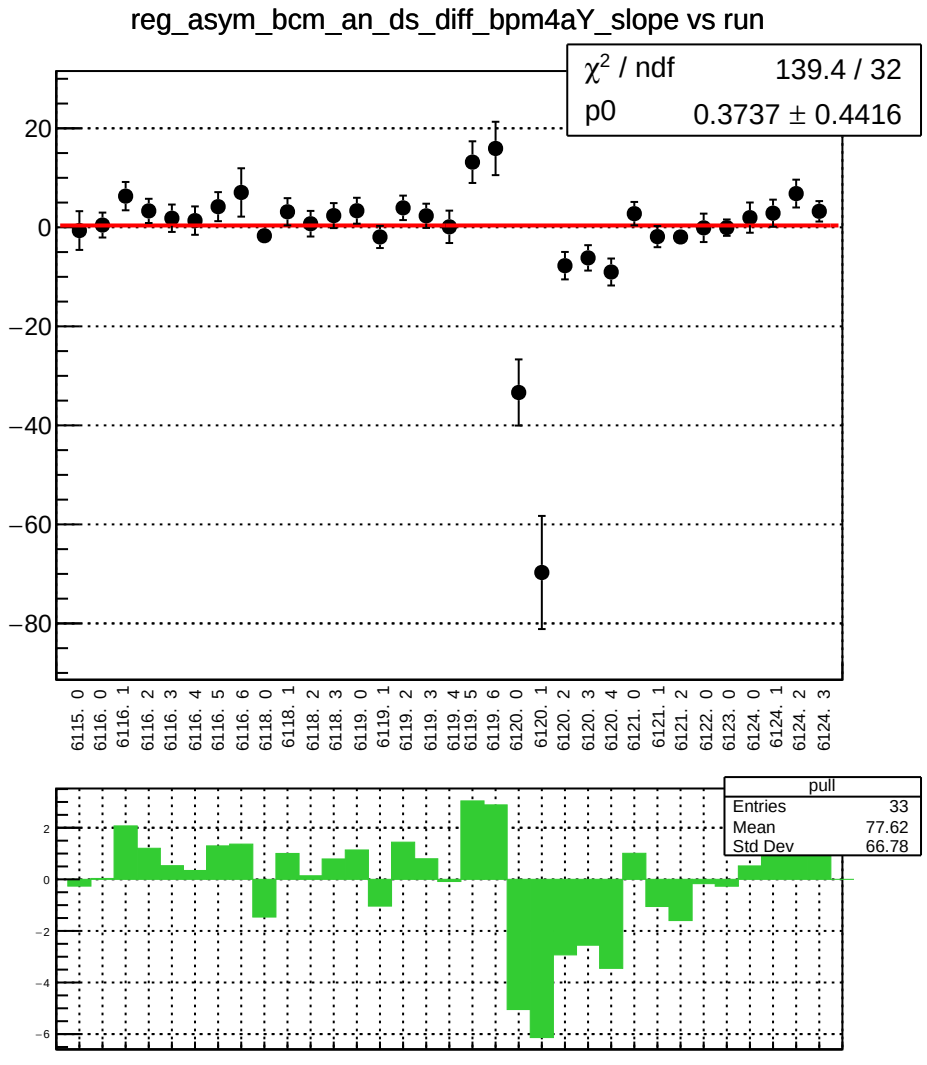

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 140.1 / 32
p0 0.383 ± 0.4423
20
0
−20
−40
−60
−80
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 79.04
Std Dev 68.32
2
0
−2
−4
−6
pull1D
Entries 33
Mean −0.05495
Std Dev 2.06
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

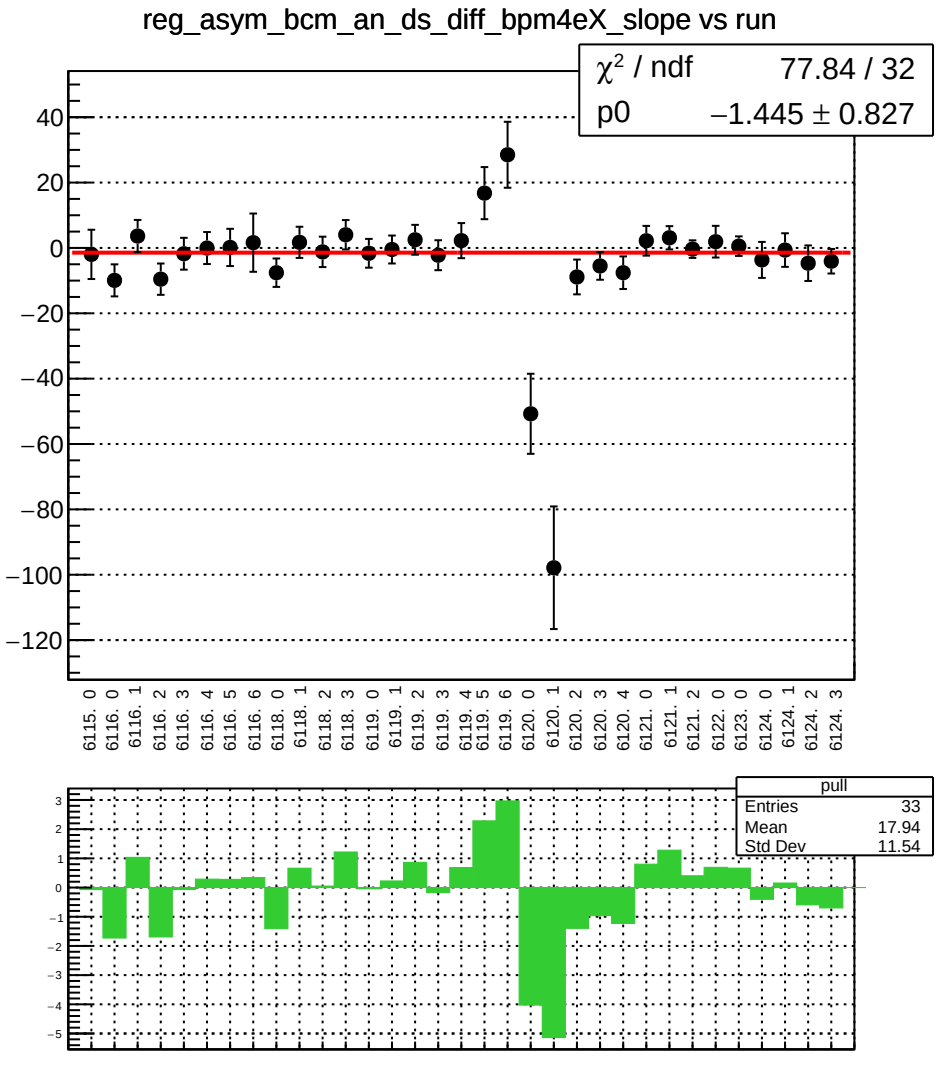

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 77.43 / 32
p0 −1.647 ± 0.8283
40
20
0
−20
−40
−60
−80
−100
−120
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 17.69
Std Dev 11.36
3
2
1
0
−1
−2
−3
−4
−5
pull1D
Entries 33
Mean −0.1468
Std Dev 1.525
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

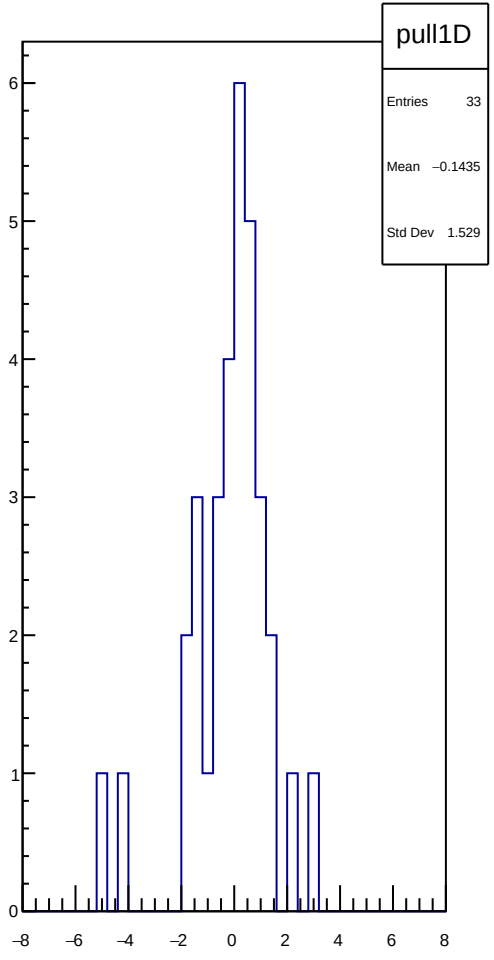

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 145.5 / 32
p0 0.0932 ± 0.4735
80
60
40
20
0
−20
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 76.58
Std Dev 65.93
6
4
2
0
−2
pull1D
Entries 33
Mean 0.05978
Std Dev 2.099
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

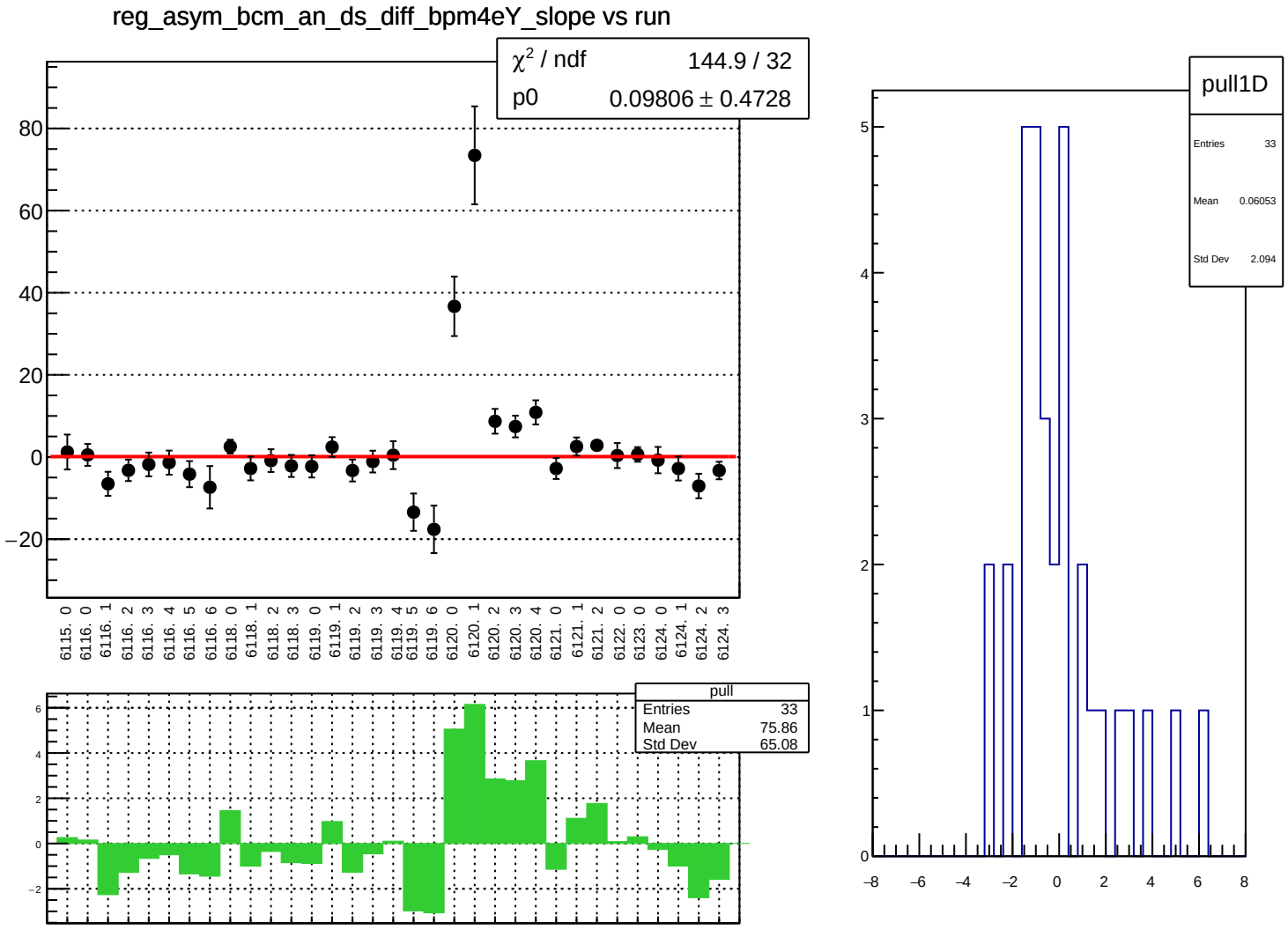

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 117.4 / 32
p0 −0.003729 ± 0.03633
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 16.79
Std Dev 5.81
pull1D
Entries 33
Mean 0.4152
Std Dev 1.84

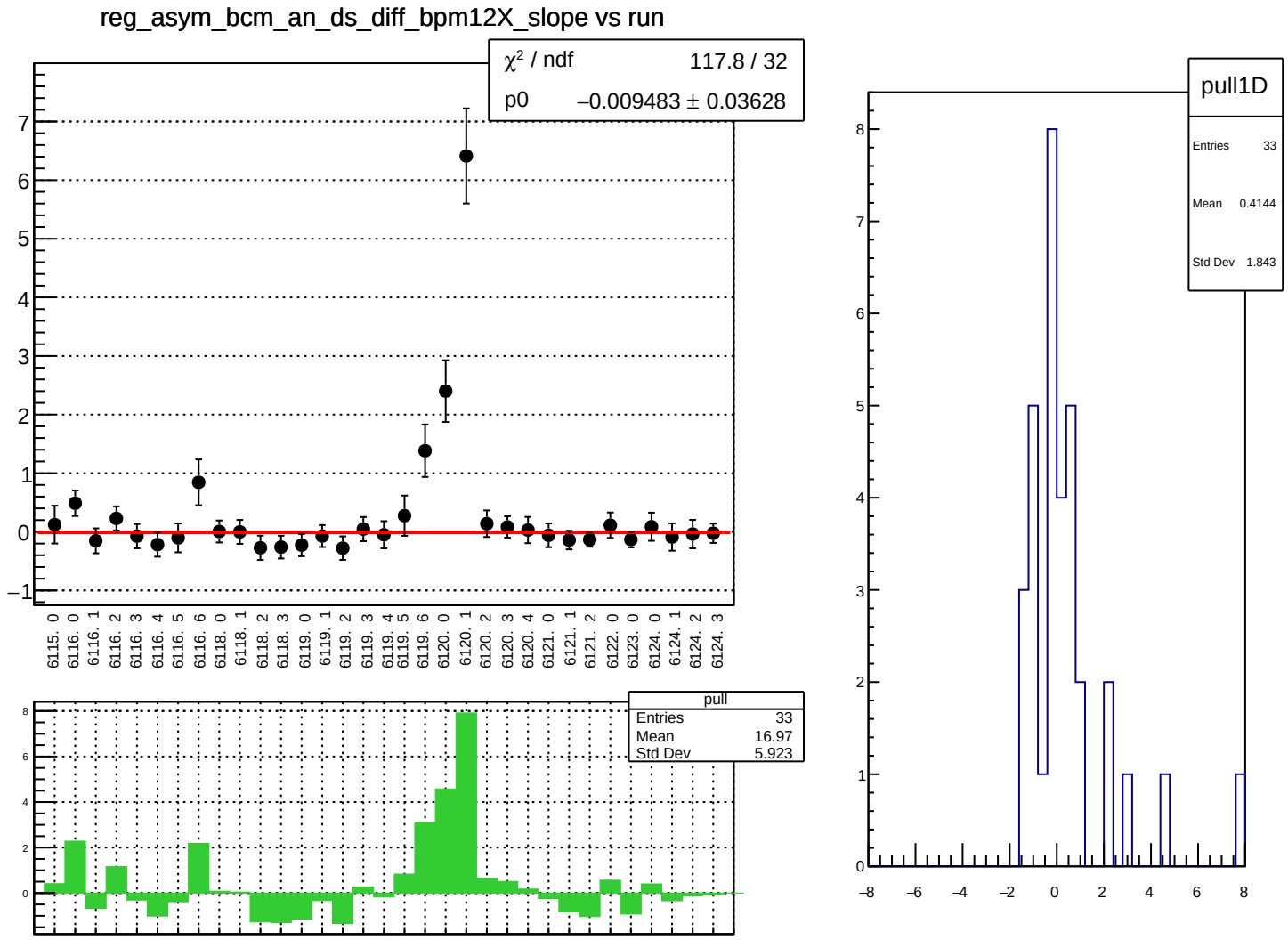

reg_asym_bcm_an_ds_diff_bpm4aX_slope vs run
χ² / ndf 75.58 / 32
p0 0.826 ± 0.711
100
80
60
40
20
0
−20
−40
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 16.36
Std Dev 11
5
4
3
2
1
0
−1
−2
−3
pull1D
Entries 33
Mean 0.1539
Std Dev 1.506
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

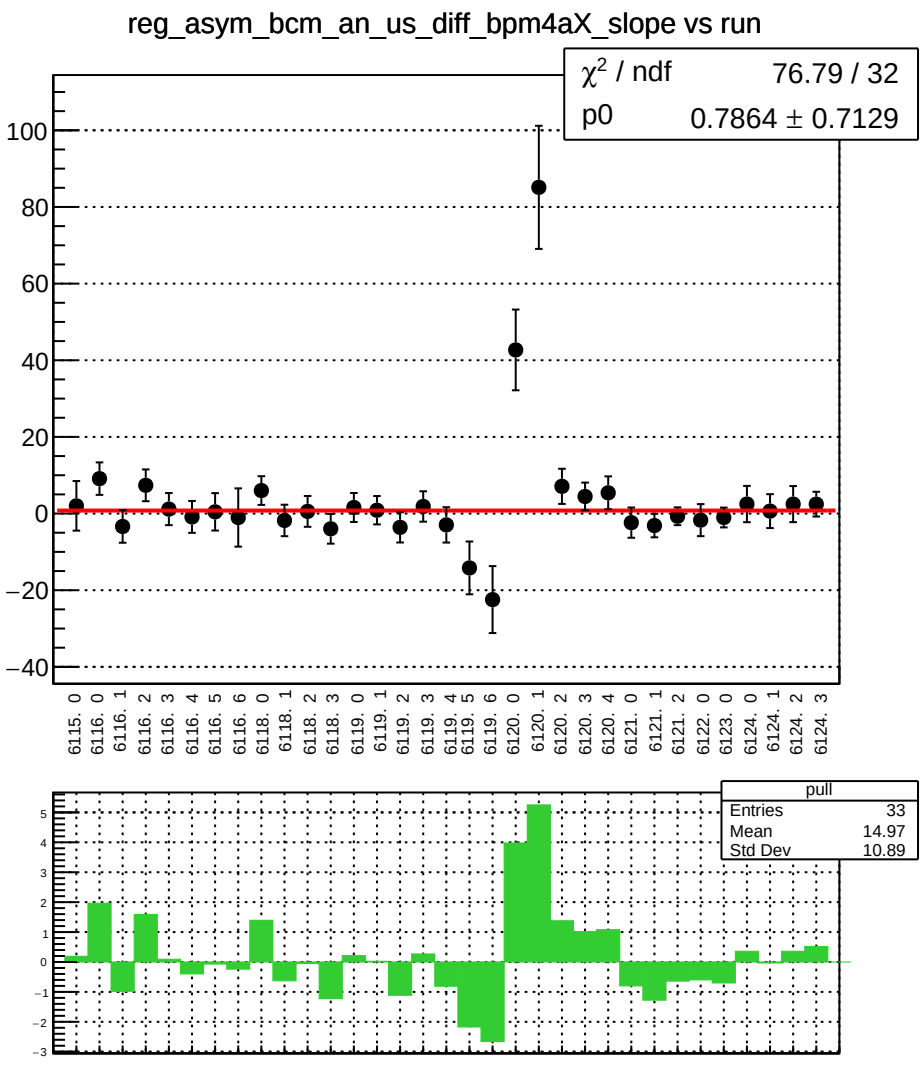

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 139.4 / 32
p0 0.3737 ± 0.4416
20
0
−20
−40
−60
−80
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 77.62
Std Dev 66.78
2
0
−2
−4
−6
pull1D
Entries 33
Mean −0.05601
Std Dev 2.054
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

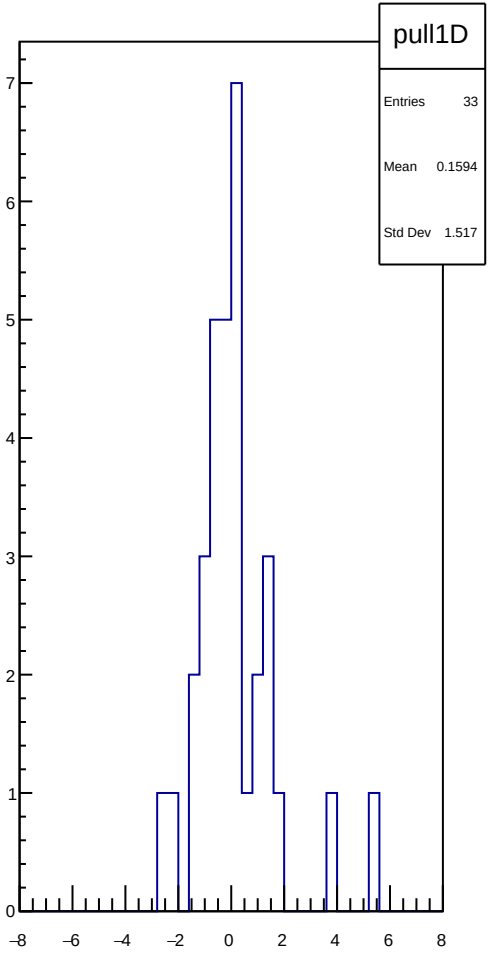

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 77.84 / 32
p0 −1.445 ± 0.827
40
20
0
−20
−40
−60
−80
−100
−120
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 17.94
Std Dev 11.54
3
2
1
0
−1
−2
−3
−4
−5

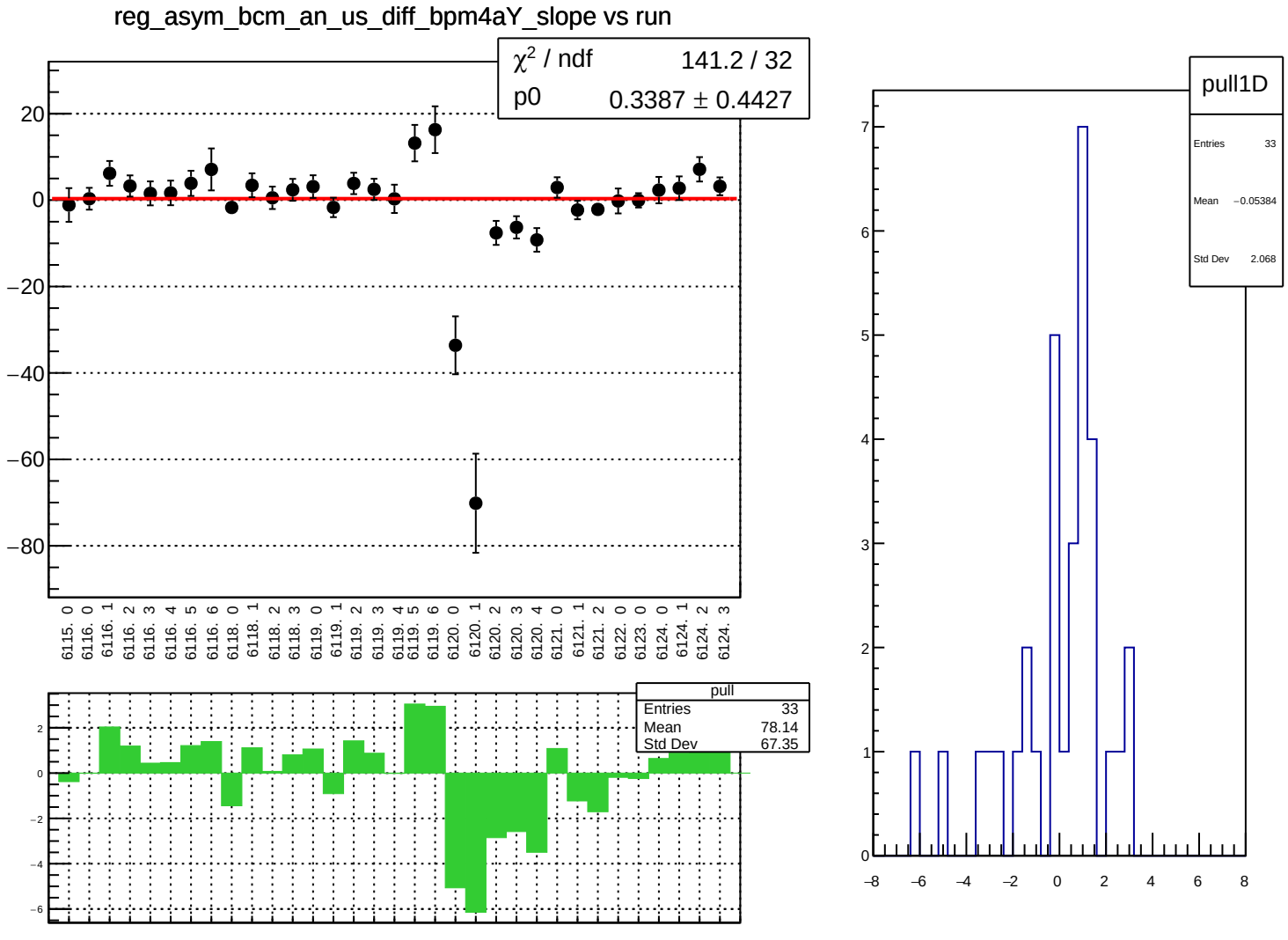

pull1D
Entries 33
Mean −0.1435
Std Dev 1.529
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

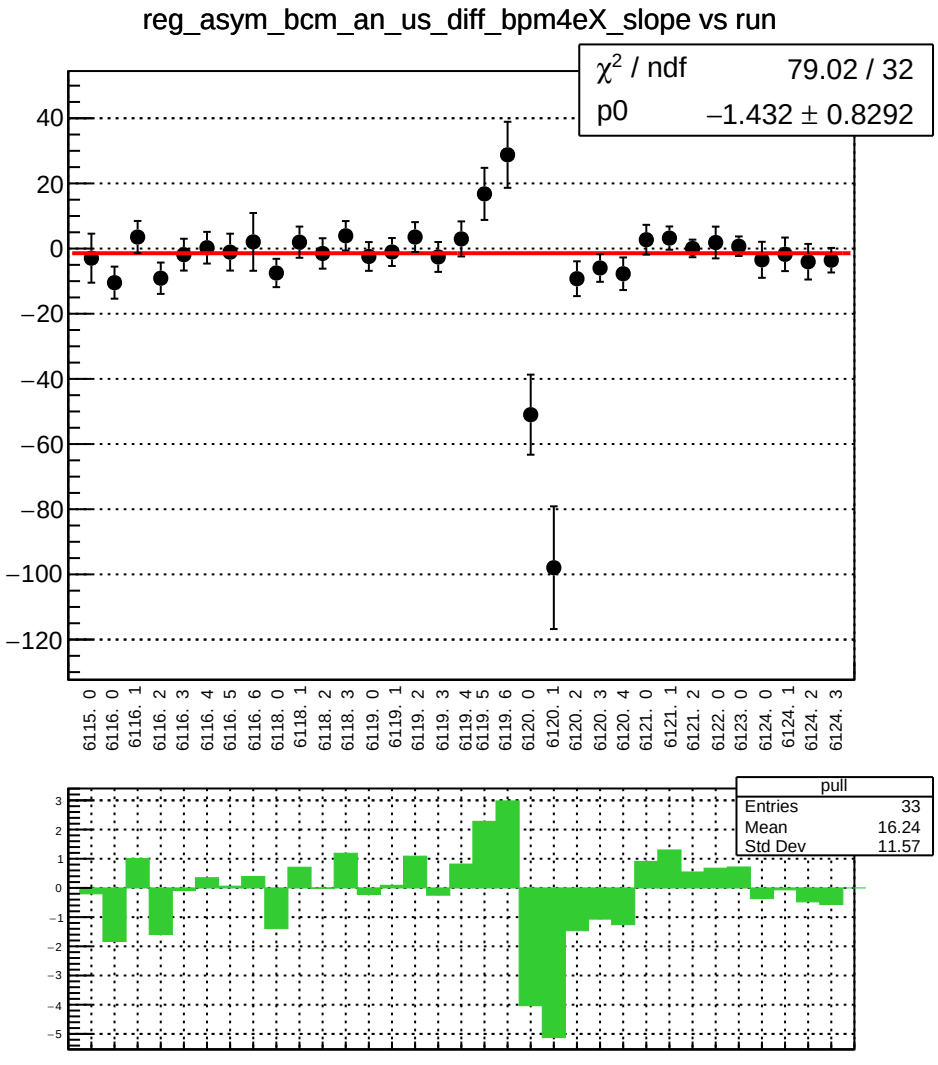

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 144.9 / 32
p0 0.09806 ± 0.4728
80
60
40
20
0
−20
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 75.86
Std Dev 65.08
6
4
2
0
−2
pull1D
Entries 33
Mean 0.06053
Std Dev 2.094
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

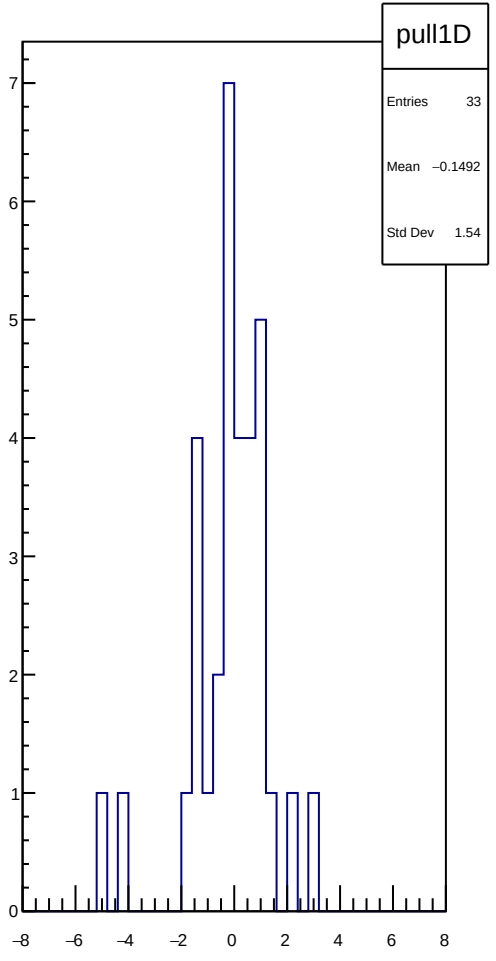

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 117.8 / 32
p0 −0.009483 ± 0.03628
7
6
5
4
3
2
1
0
−1
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 16.97
Std Dev 5.923
8
6
4
2
0
pull1D
Entries 33
Mean 0.4144
Std Dev 1.843
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

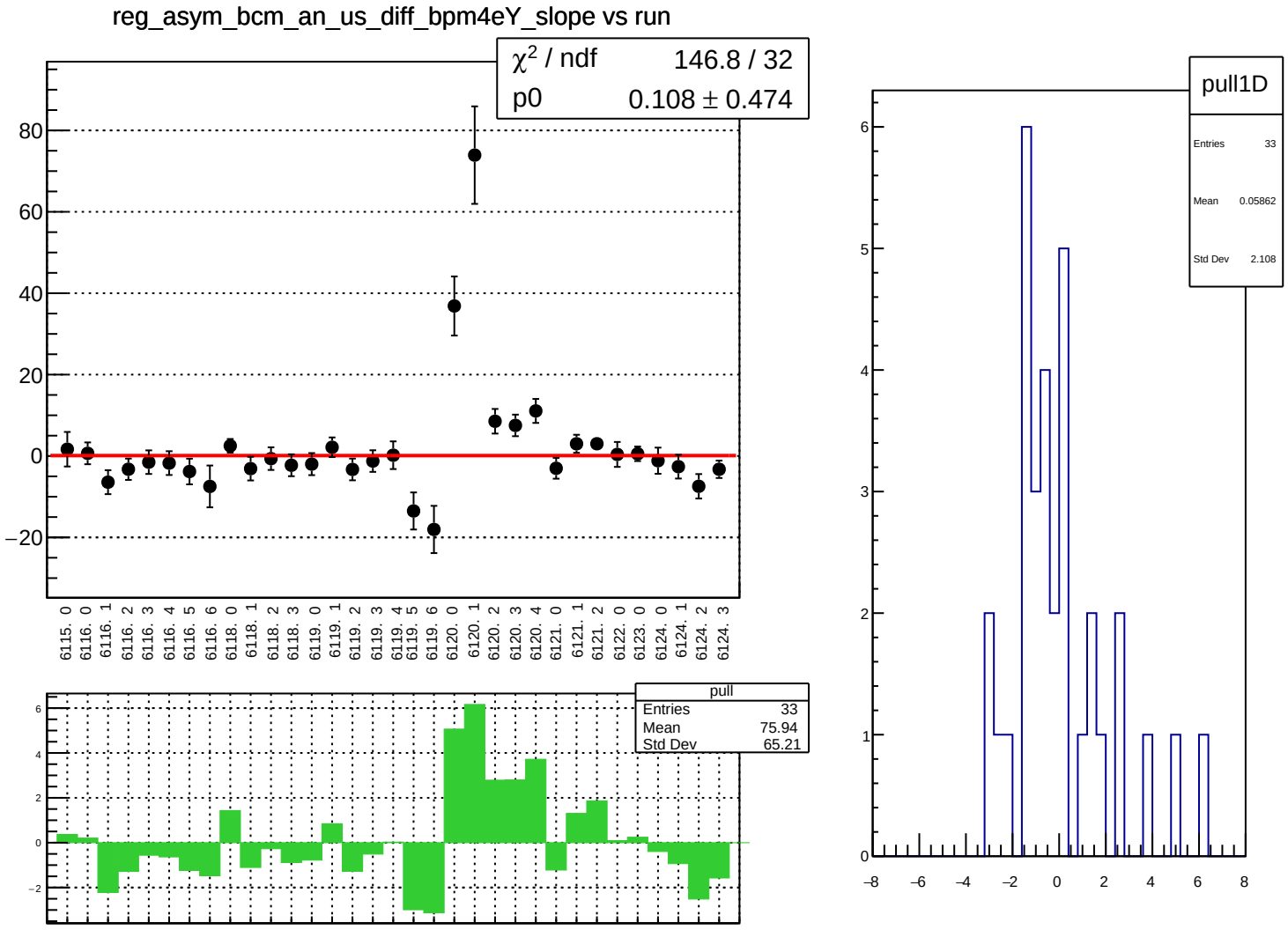

reg_asym_bcm_an_us_diff_bpm4aX_slope vs run
χ² / ndf 76.79 / 32
p0 0.7864 ± 0.7129
100
80
60
40
20
0
−20
−40
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 14.97
Std Dev 10.89
5
4
3
2
1
0
−1
−2
−3

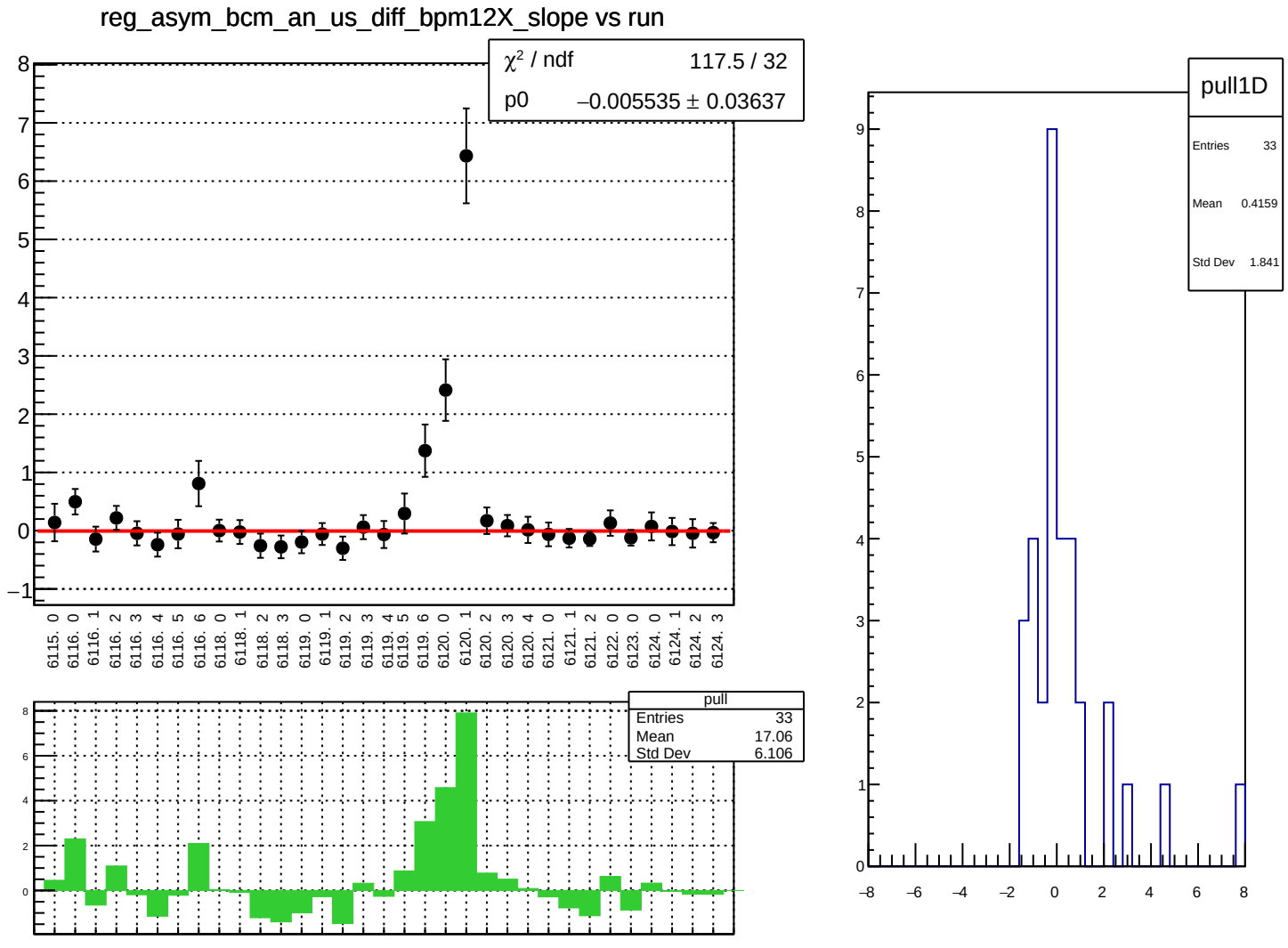

pull1D
Entries 33
Mean 0.1594
Std Dev 1.517
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

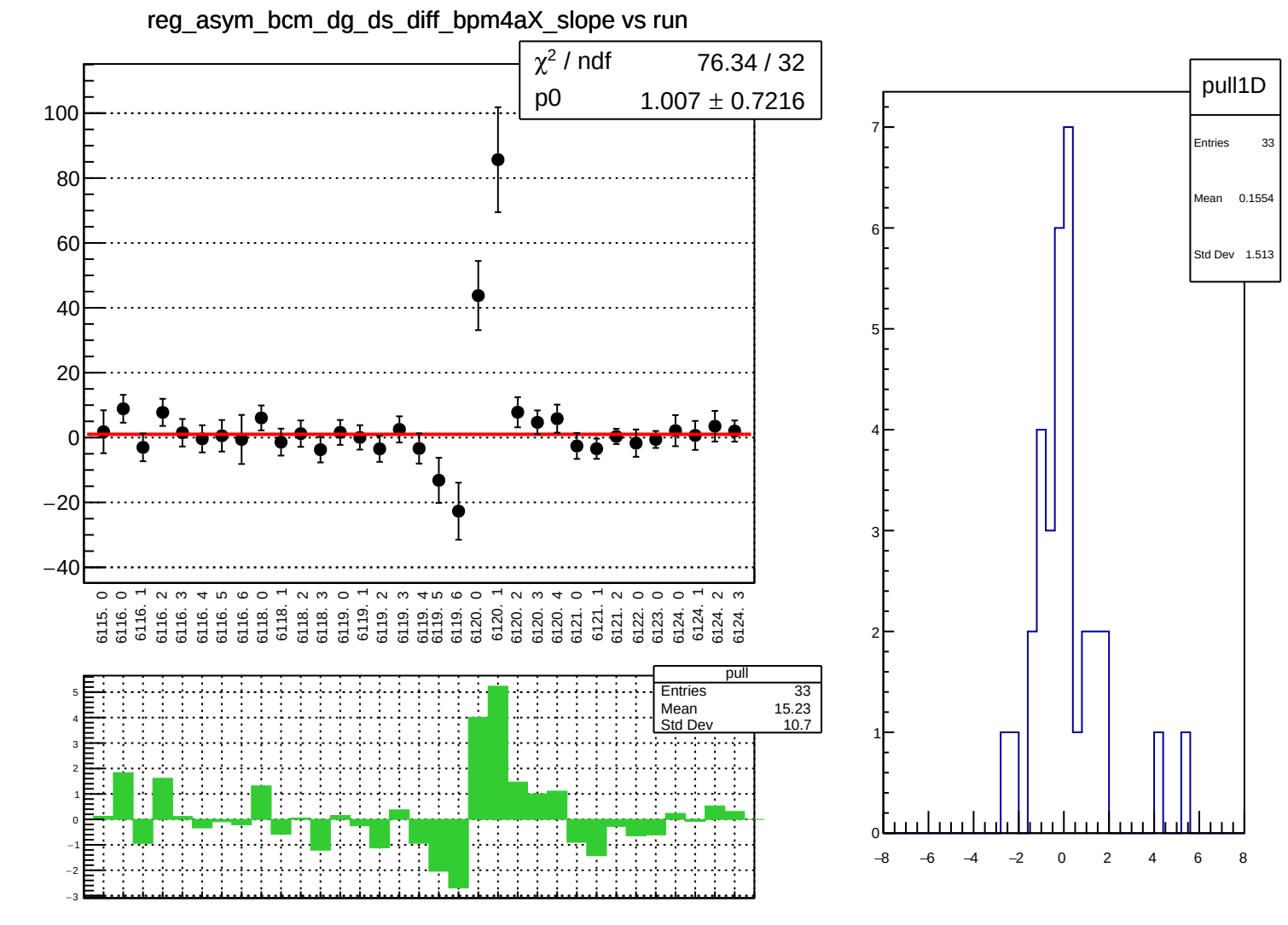

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 141.2 / 32
p0 0.3387 ± 0.4427
20
0
−20
−40
−60
−80
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 78.14
Std Dev 67.35
2
0
−2
−4
−6
pull1D
Entries 33
Mean −0.05384
Std Dev 2.068
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

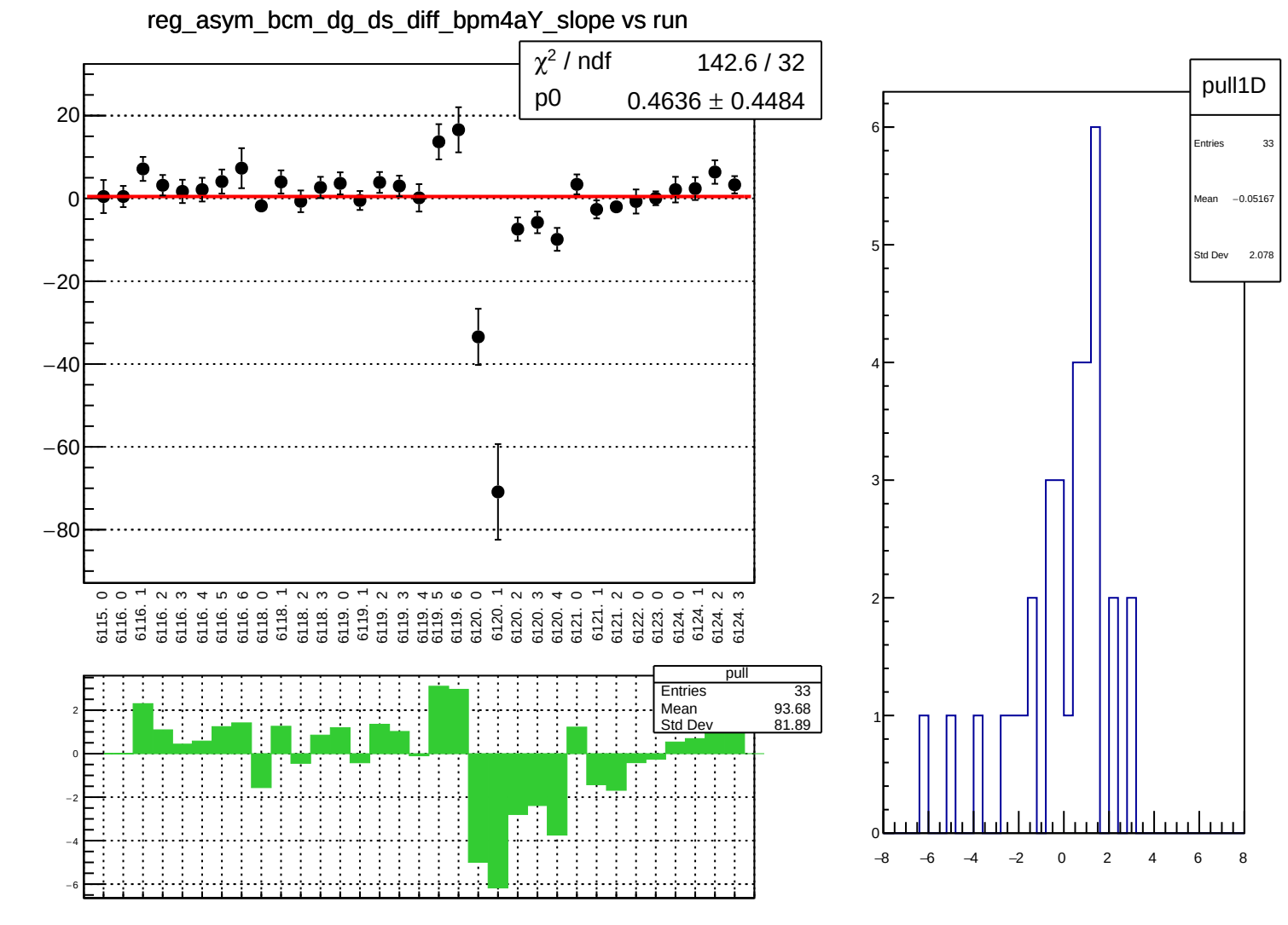

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 79.02 / 32
p0 −1.432 ± 0.8292
40
20
0
−20
−40
−60
−80
−100
−120
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 16.24
Std Dev 11.57
3
2
1
0
−1
−2
−3
−4
−5

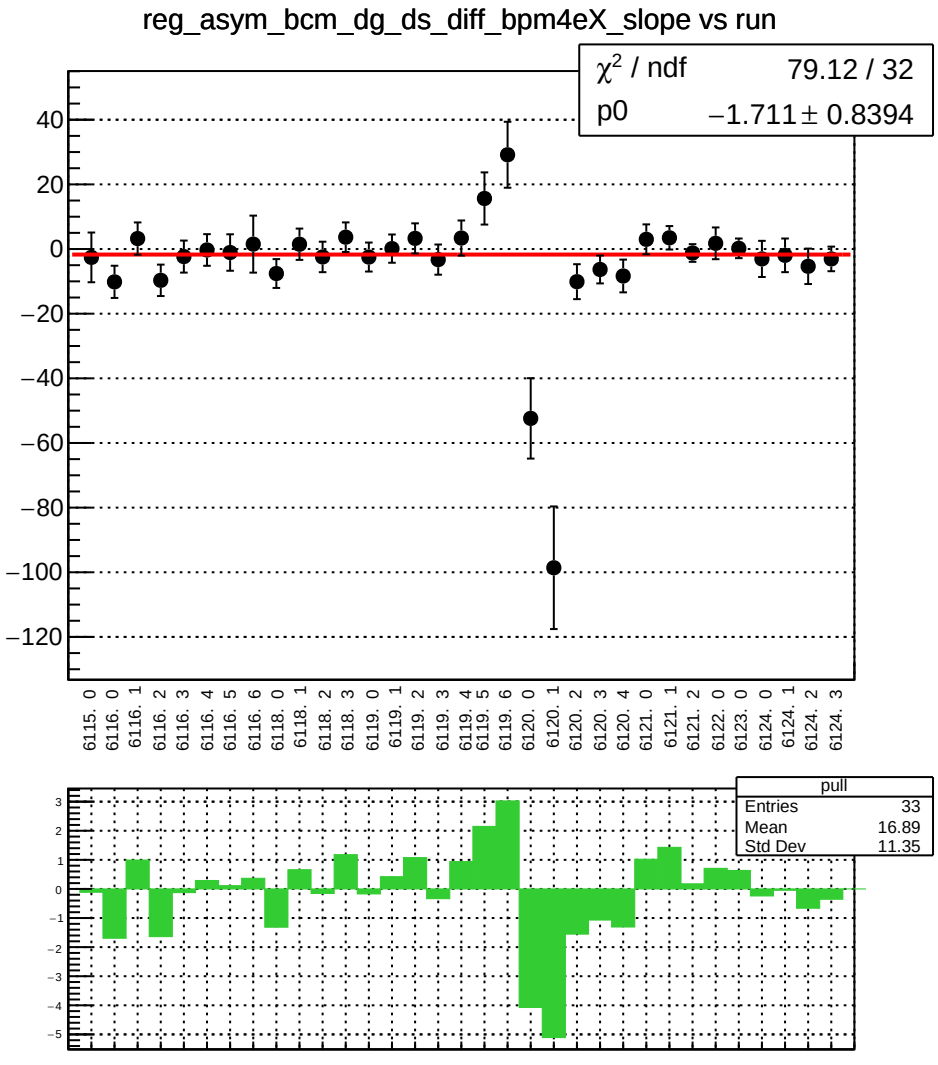

pull1D
Entries 33
Mean −0.1492
Std Dev 1.54
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

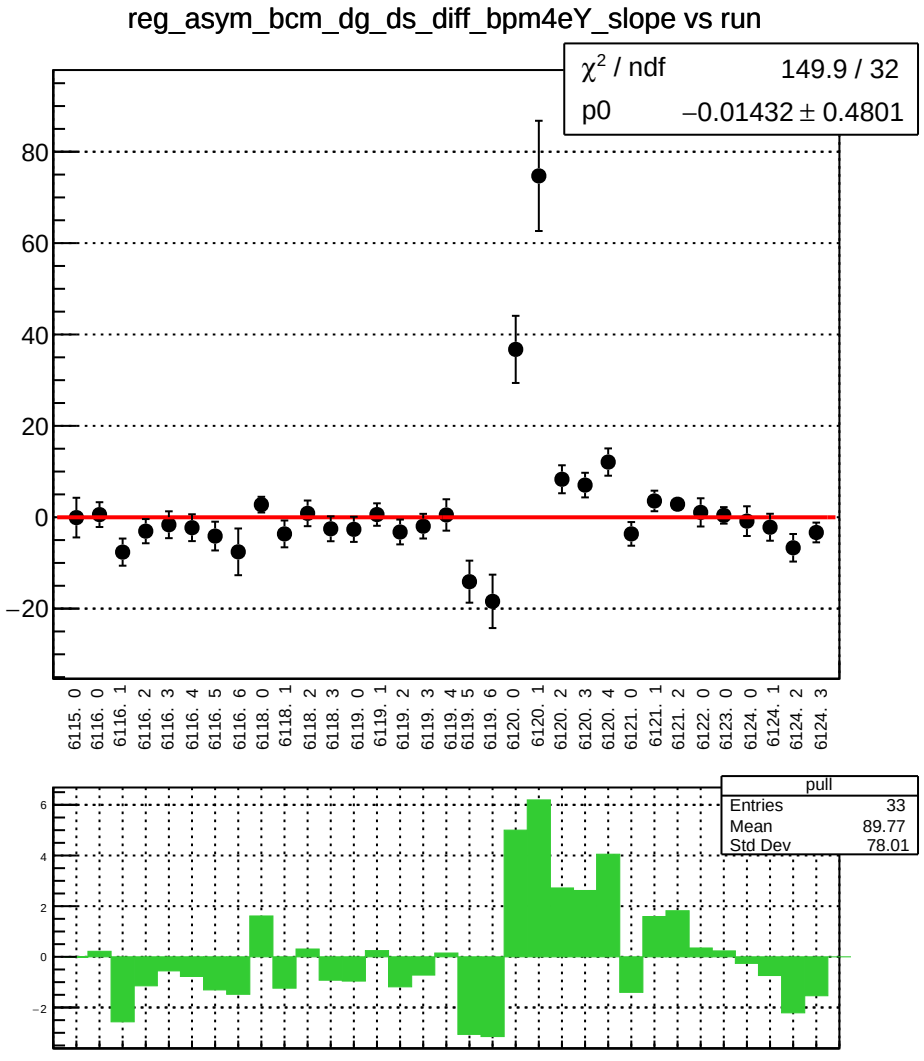

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 146.8 / 32
p0 0.108 ± 0.474
80
60
40
20
0
−20
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 75.94
Std Dev 65.21
6
4
2
0
−2
pull1D
Entries 33
Mean 0.05862
Std Dev 2.108
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

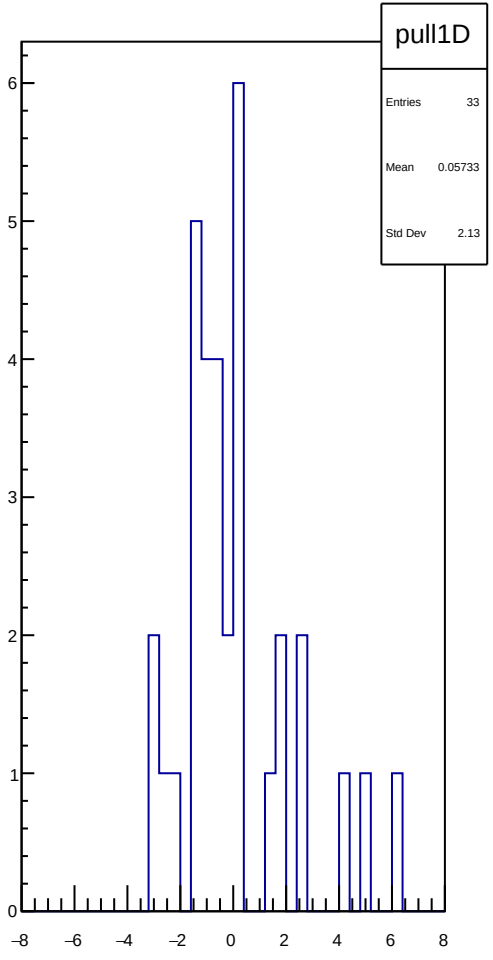

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 117.5 / 32
p0 −0.005535 ± 0.03637
pull
Entries 33
Mean 17.06
Std Dev 6.106
pull1D
Entries 33
Mean 0.4159
Std Dev 1.841

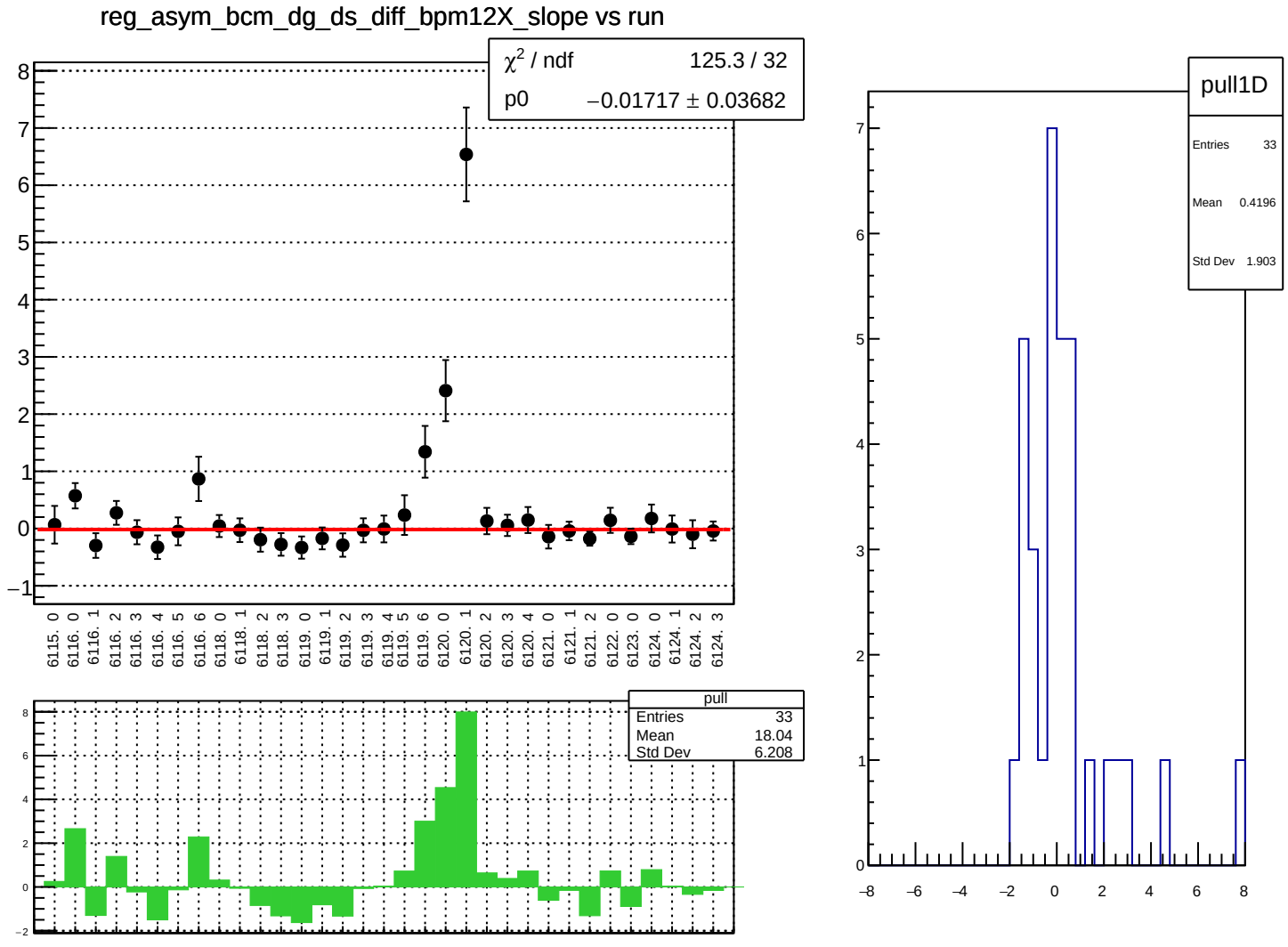

reg_asym_bcm_dg_ds_diff_bpm4aX_slope vs run
χ² / ndf 76.34 / 32
p0 1.007 ± 0.7216
100
80
60
40
20
0
−20
−40
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 15.23
Std Dev 10.7
pull1D
Entries 33
Mean 0.1554
Std Dev 1.513

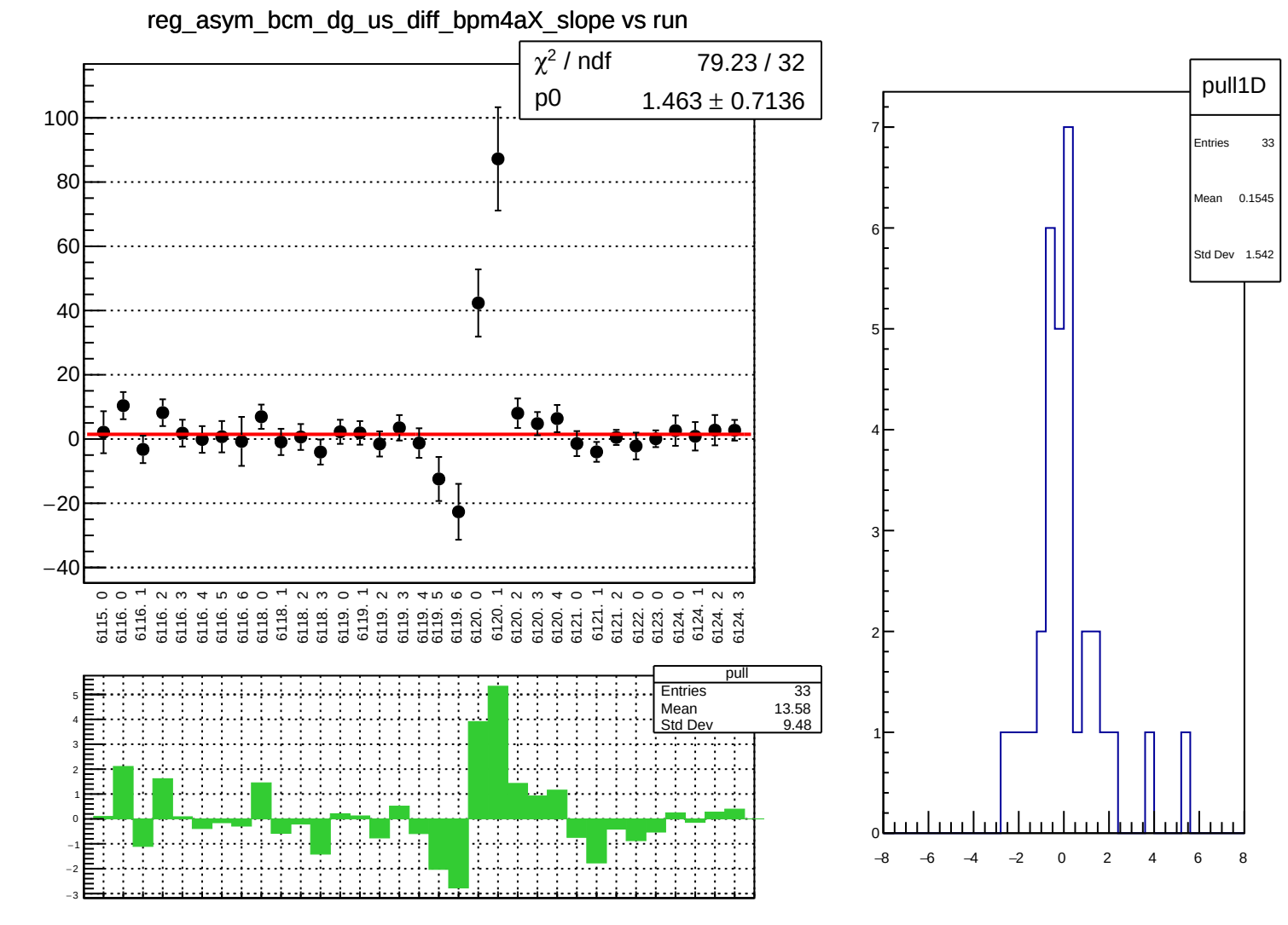

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 142.6 / 32
p0 0.4636 ± 0.4484
20
0
−20
−40
−60
−80
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 93.68
Std Dev 81.89
2
0
−2
−4
−6
pull1D
Entries 33
Mean −0.05167
Std Dev 2.078
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

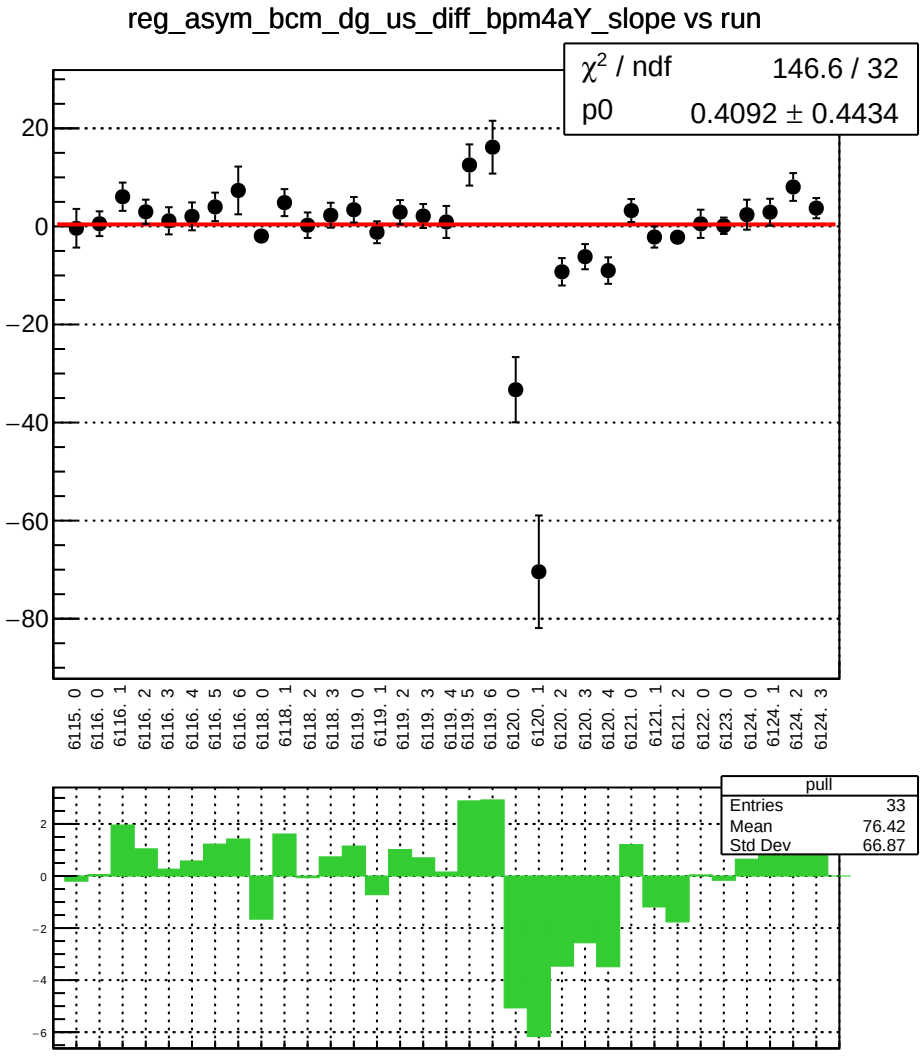

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 79.12 / 32
p0 −1.711 ± 0.8394
40
20
0
−20
−40
−60
−80
−100
−120
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 16.89
Std Dev 11.35
3
2
1
0
−1
−2
−3
−4
−5
pull1D
Entries 33
Mean −0.1449
Std Dev 1.542
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

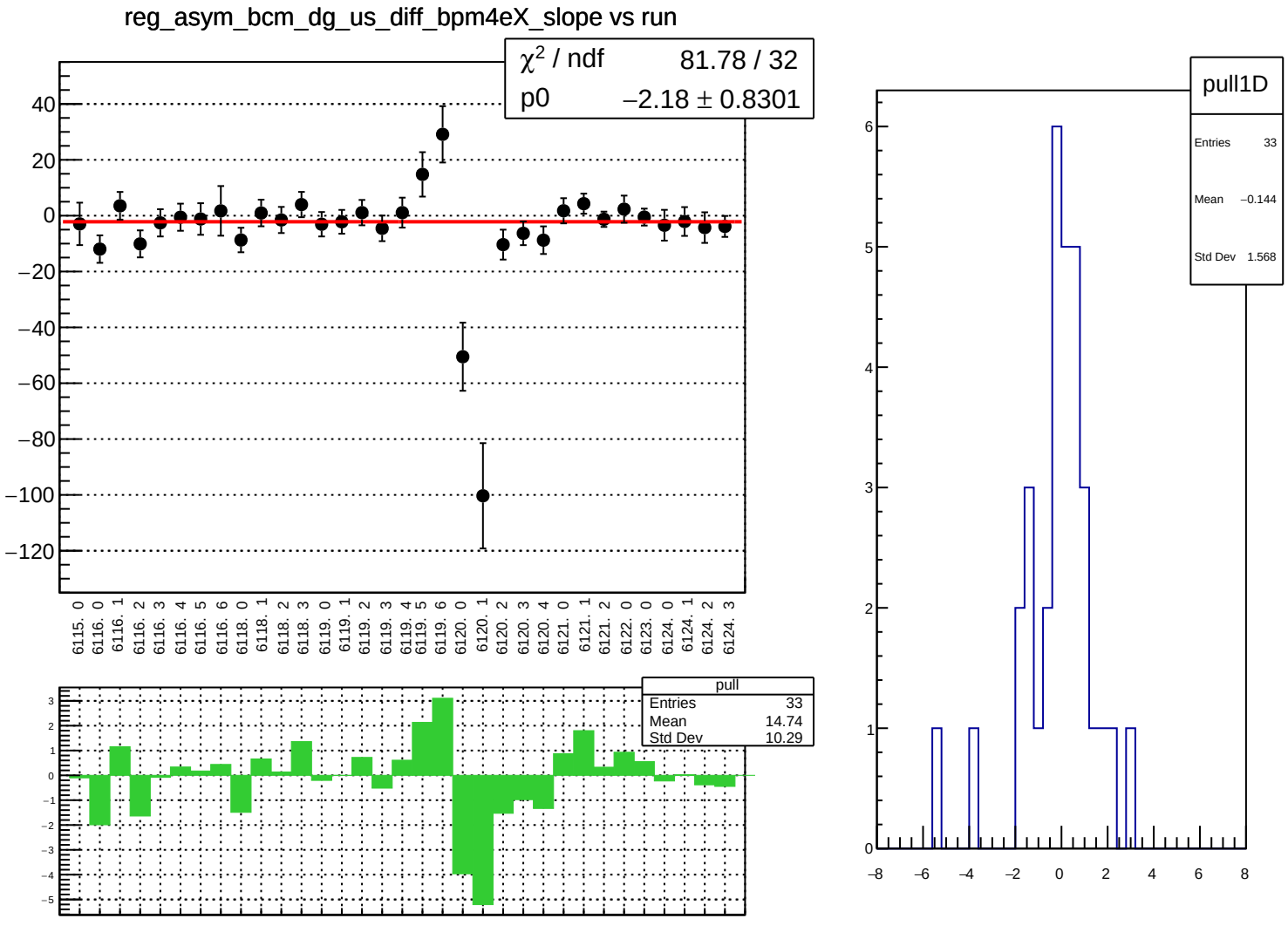

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 149.9 / 32
p0 −0.01432 ± 0.4801
80
60
40
20
0
−20
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 89.77
Std Dev 78.01
6
4
2
0
−2

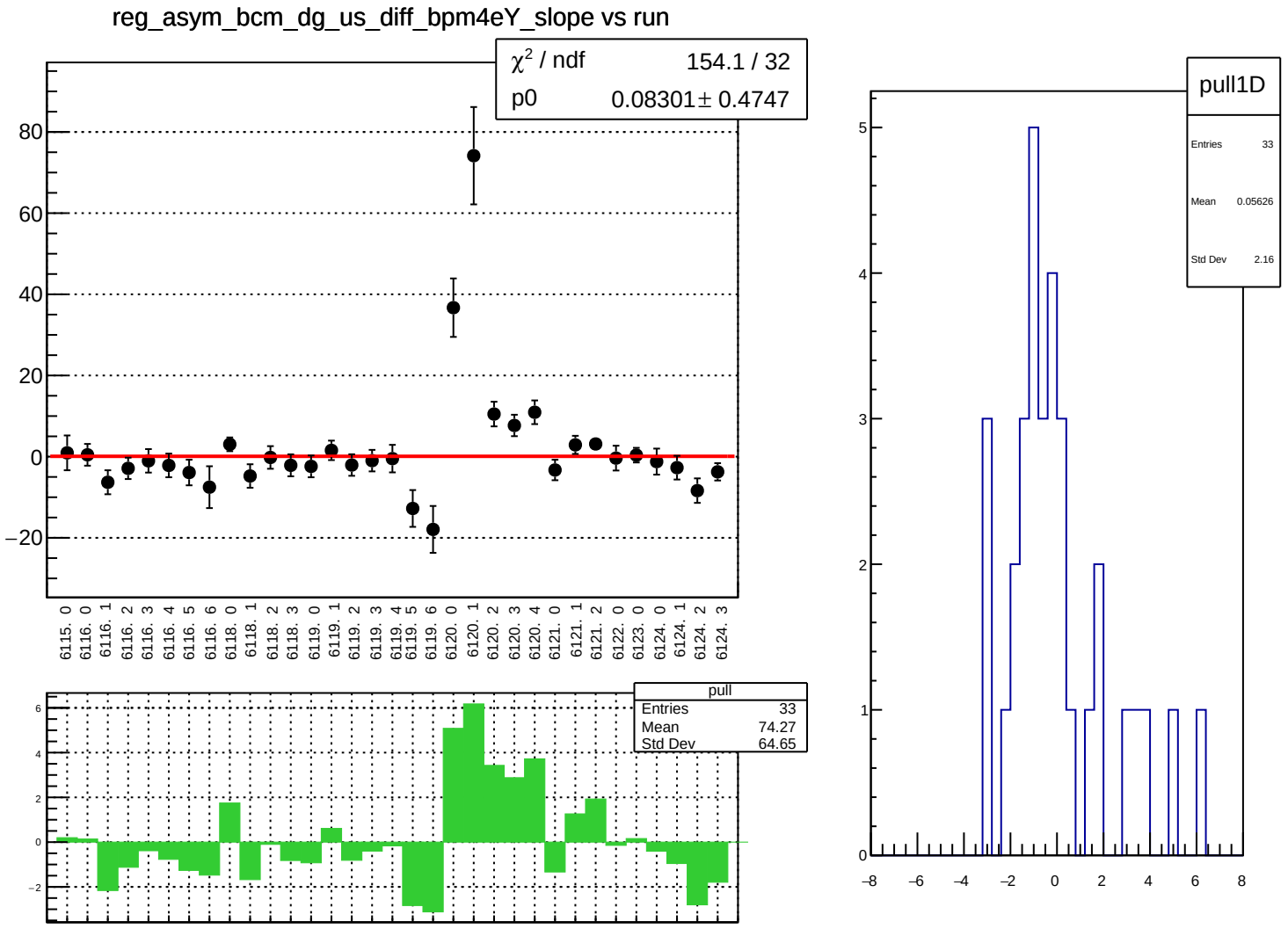

pull1D
Entries 33
Mean 0.05733
Std Dev 2.13
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

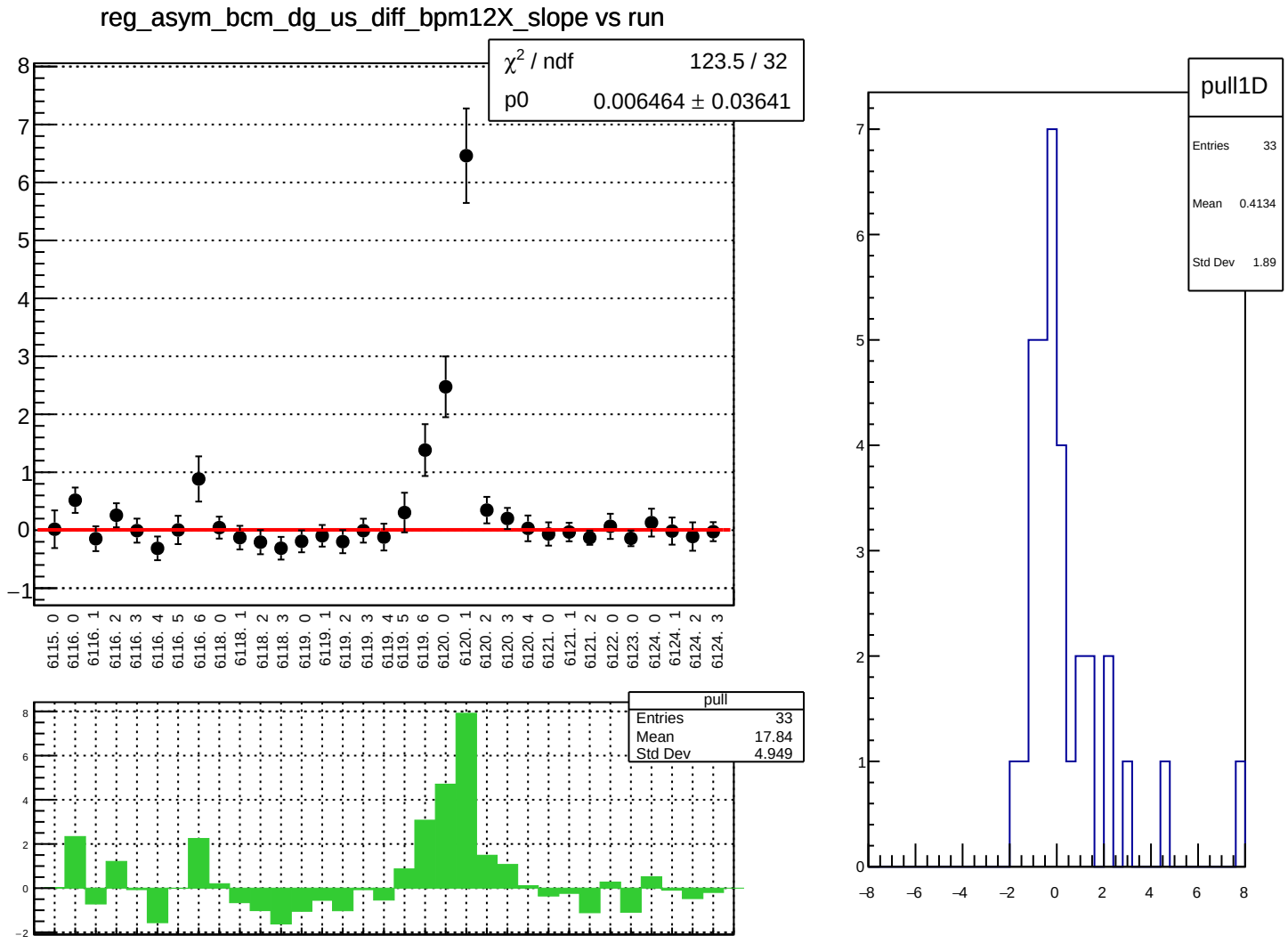

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 125.3 / 32
p0 −0.01717 ± 0.03682
pull
Entries 33
Mean 18.04
Std Dev 6.208
pull1D
Entries 33
Mean 0.4196
Std Dev 1.903


reg_asym_bcm_dg_us_diff_bpm4aX_slope vs run
χ² / ndf 79.23 / 32
p0 1.463 ± 0.7136
100
80
60
40
20
0
−20
−40
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 13.58
Std Dev 9.48
5
4
3
2
1
0
−1
−2
−3
pull1D
Entries 33
Mean 0.1545
Std Dev 1.542
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 146.6 / 32
p0 0.4092 ± 0.4434
20
0
−20
−40
−60
−80
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
6120. 1
6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 76.42
Std Dev 66.87
2
0
−2
−4
−6
pull1D
Entries 33
Mean −0.05105
Std Dev 2.107
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 81.78 / 32
p0 −2.18 ± 0.8301
40
20
0
−20
−40
−60
−80
−100
−120
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
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6119. 2
6119. 3
6119. 4
6119. 5
6119. 6
6120. 0
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6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 14.74
Std Dev 10.29
pull1D
Entries 33
Mean −0.144
Std Dev 1.568


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 154.1 / 32
p0 0.08301± 0.4747
80
60
40
20
0
−20
6115. 0
6116. 0
6116. 1
6116. 2
6116. 3
6116. 4
6116. 5
6116. 6
6118. 0
6118. 1
6118. 2
6118. 3
6119. 0
6119. 1
6119. 2
6119. 3
6119. 4
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6119. 6
6120. 0
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6120. 2
6120. 3
6120. 4
6121. 0
6121. 1
6121. 2
6122. 0
6123. 0
6124. 0
6124. 1
6124. 2
6124. 3
pull
Entries 33
Mean 74.27
Std Dev 64.65
6
4
2
0
−2
pull1D
Entries 33
Mean 0.05626
Std Dev 2.16
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 123.5 / 32
p0 0.006464 ± 0.03641
pull
Entries 33
Mean 17.84
Std Dev 4.949
pull1D
Entries 33
Mean 0.4134
Std Dev 1.89