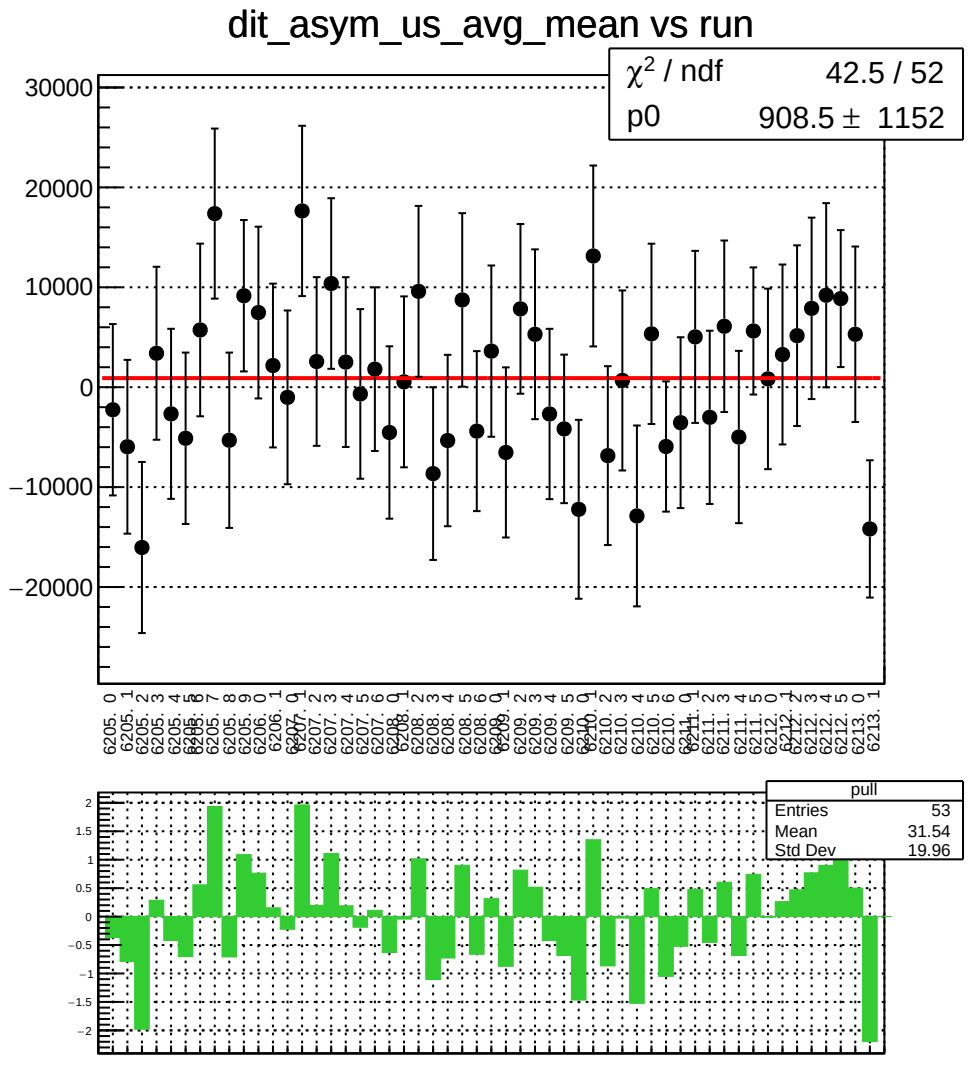
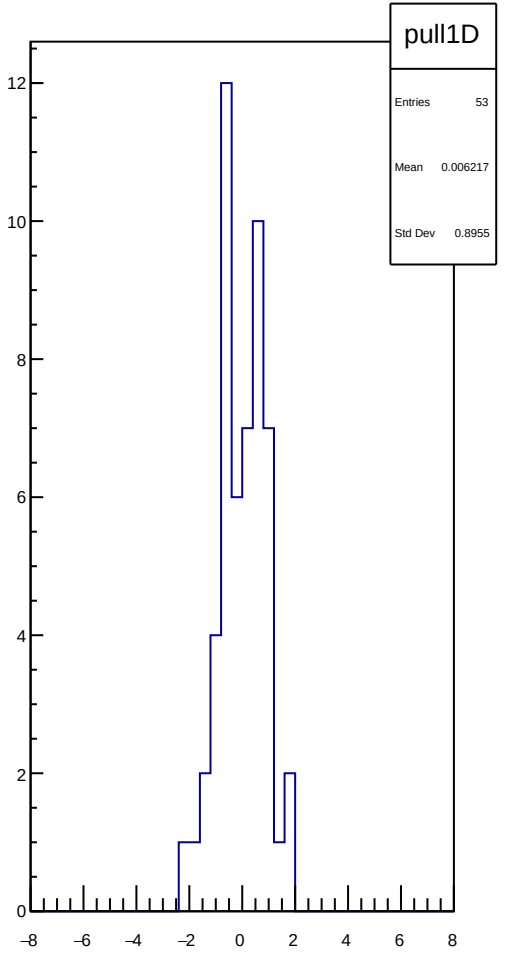
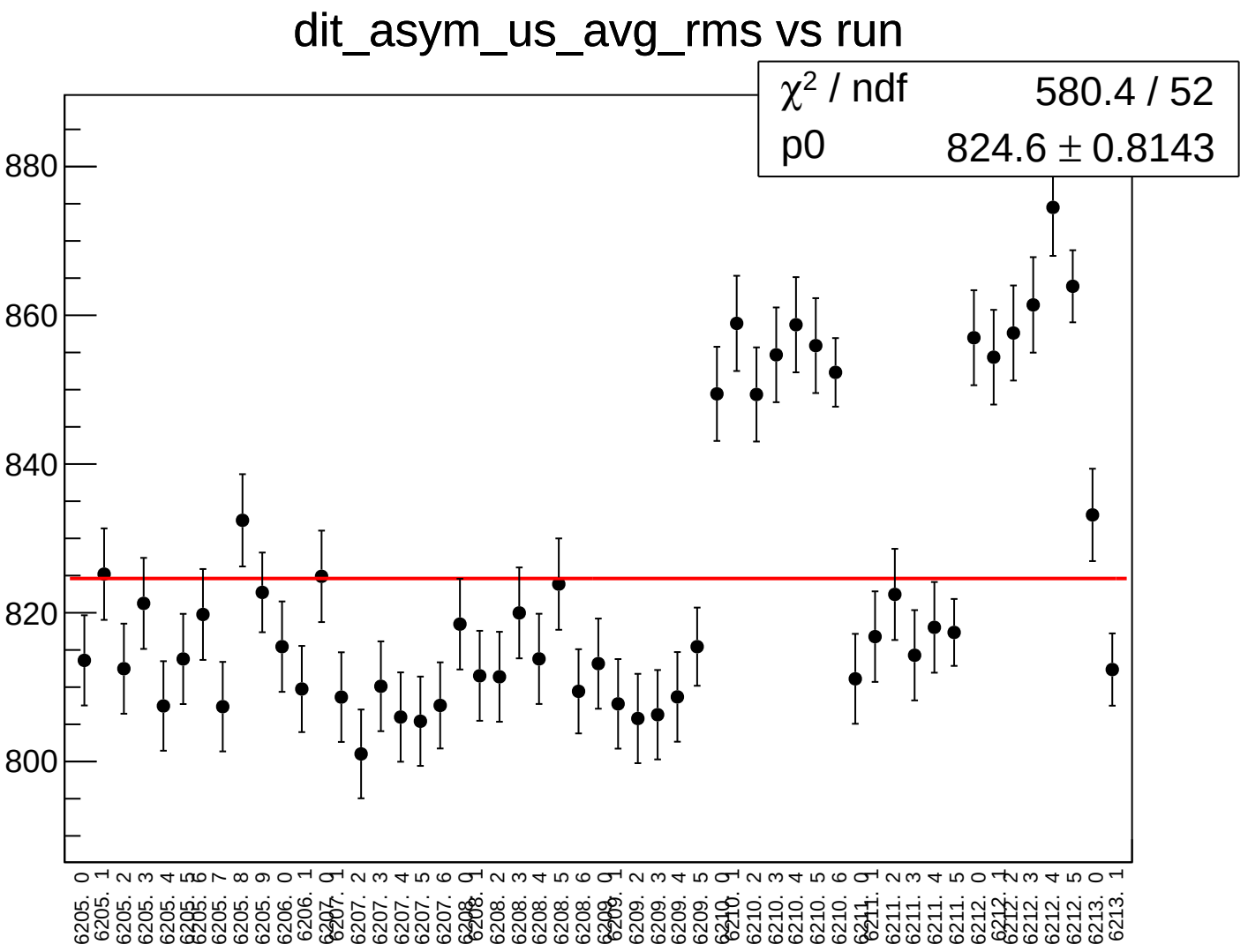
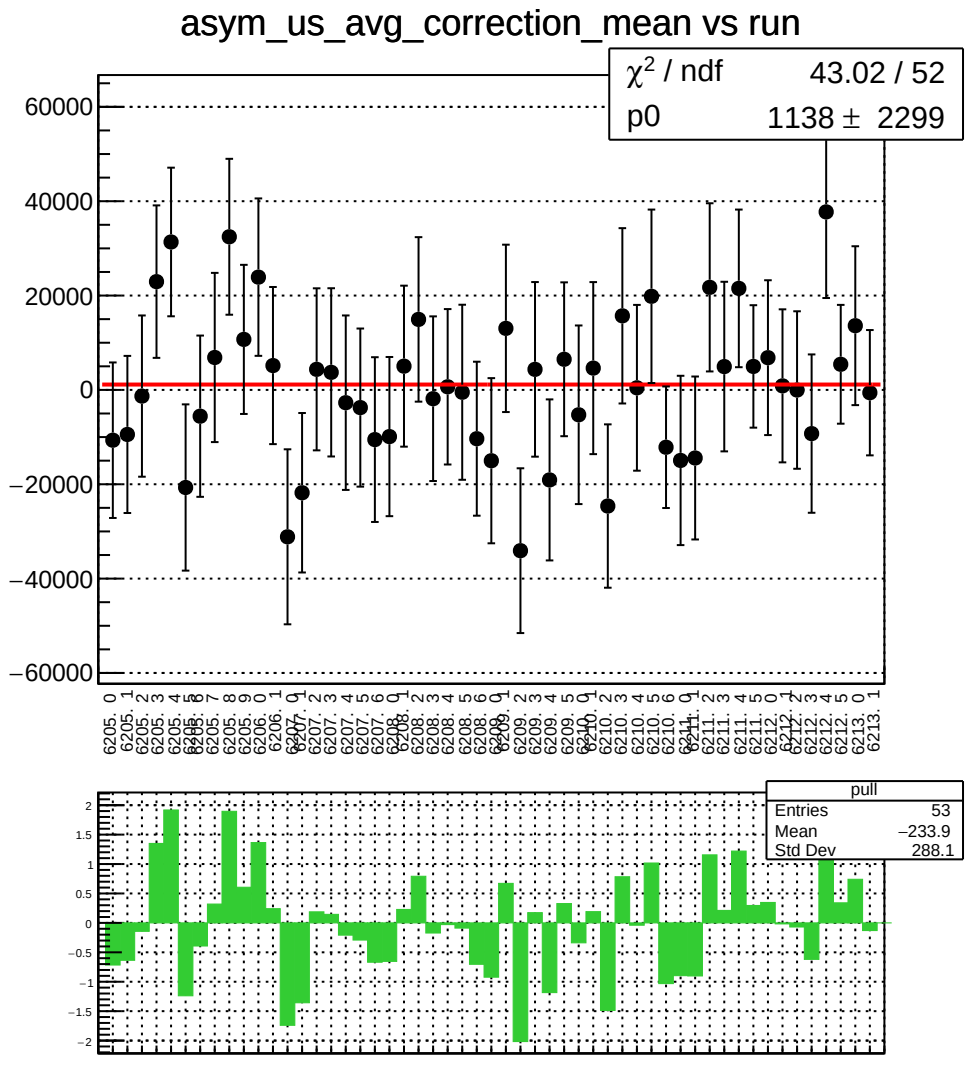
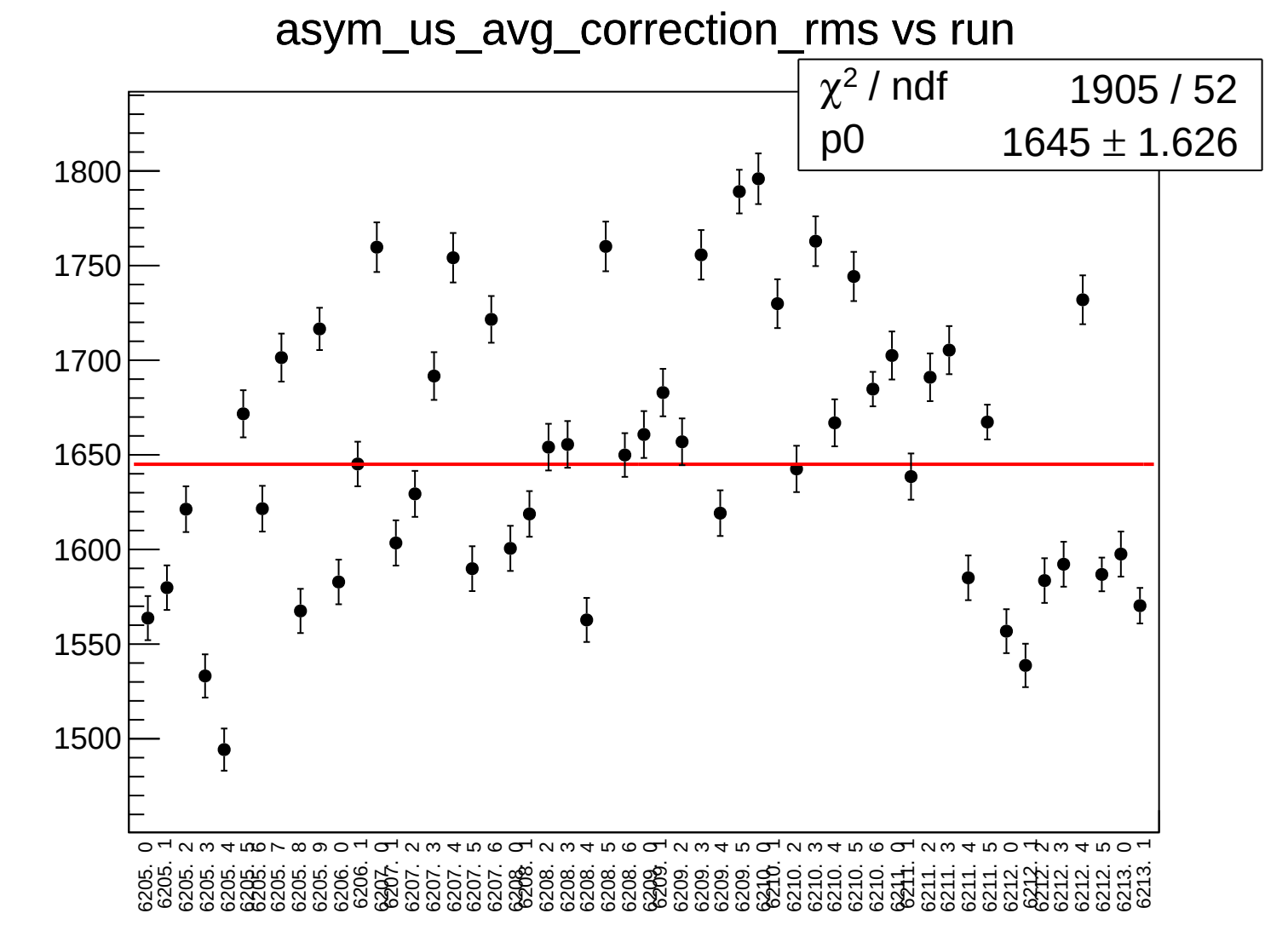
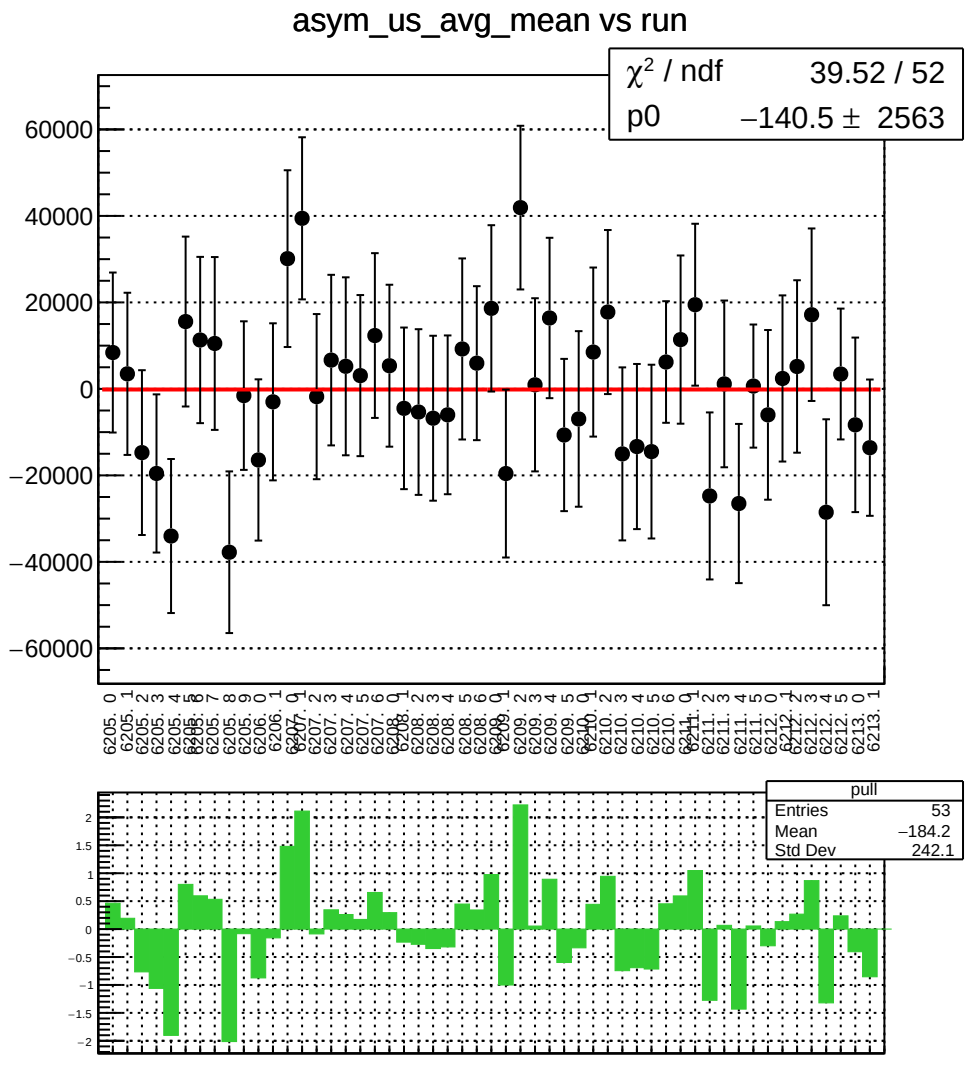

dit_asym_us_avg_mean vs run
χ² / ndf 42.5 / 52
p0 908.5 ± 1152
pull
Entries 53
Mean 31.54
Std Dev 19.96

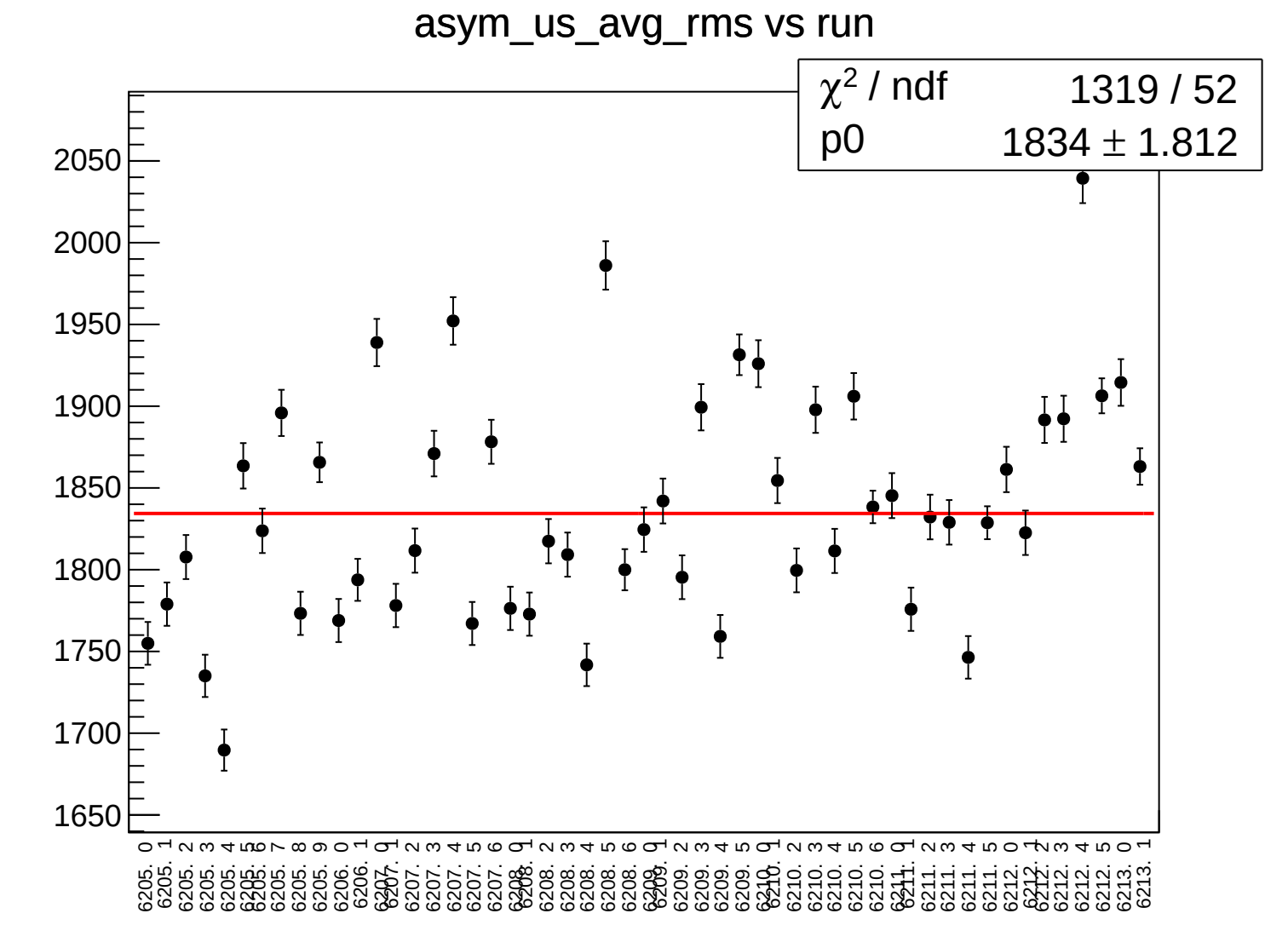

pull1D
Entries 53
Mean 0.006217
Std Dev 0.8955

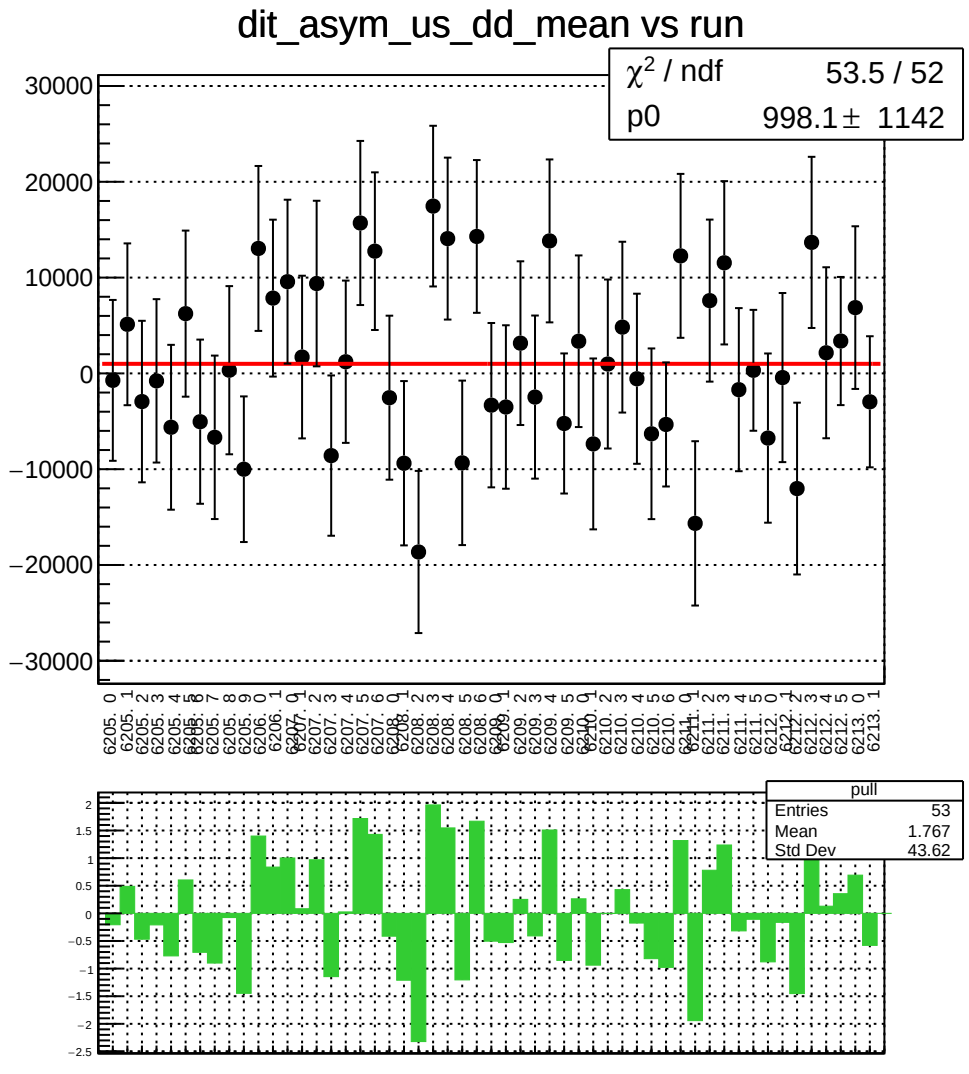

dit_asym_us_avg_rms vs run
χ² / ndf 580.4 / 52
p0 824.6 ± 0.8143
880
860
840
820
800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 7
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

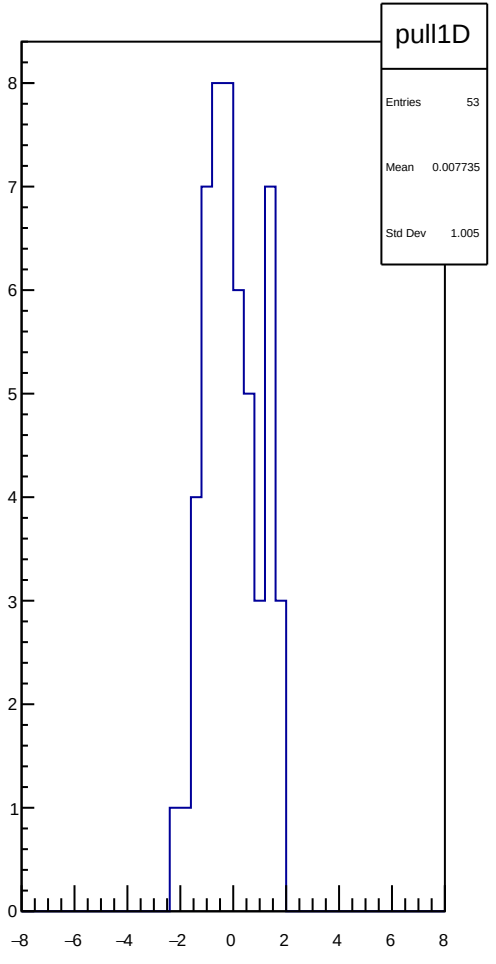

asym_us_avg_correction_mean vs run
χ² / ndf 43.02 / 52
p0 1138 ± 2299
60000
40000
20000
0
−20000
−40000
−60000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6207. 7
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 7
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6210. 7
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1
pull
Entries 53
Mean −233.9
Std Dev 288.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 53
Mean −0.003025
Std Dev 0.901
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

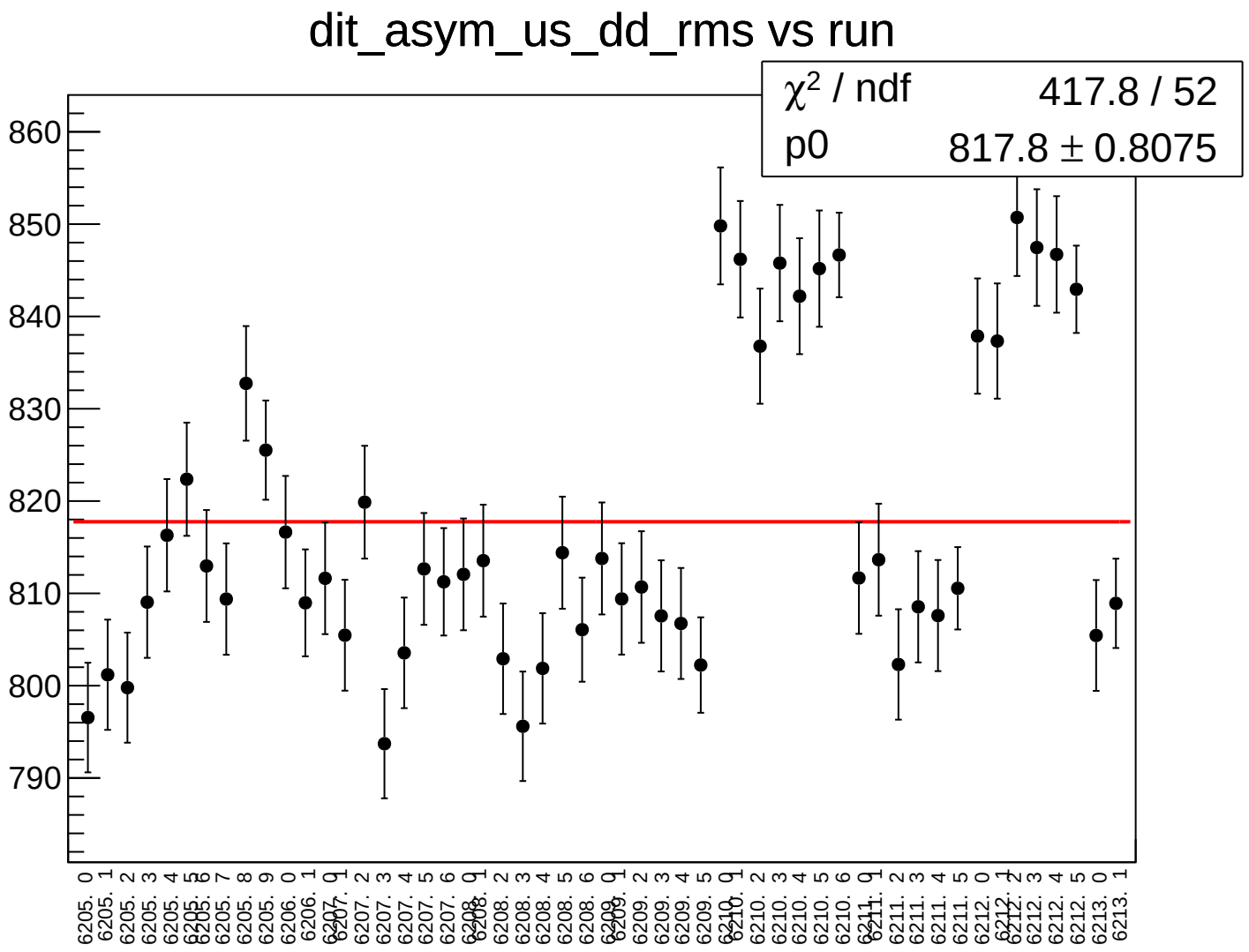

asym_us_avg_correction_rms vs run
χ² / ndf 1905 / 52
p0 1645 ± 1.626
1800
1750
1700
1650
1600
1550
1500
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

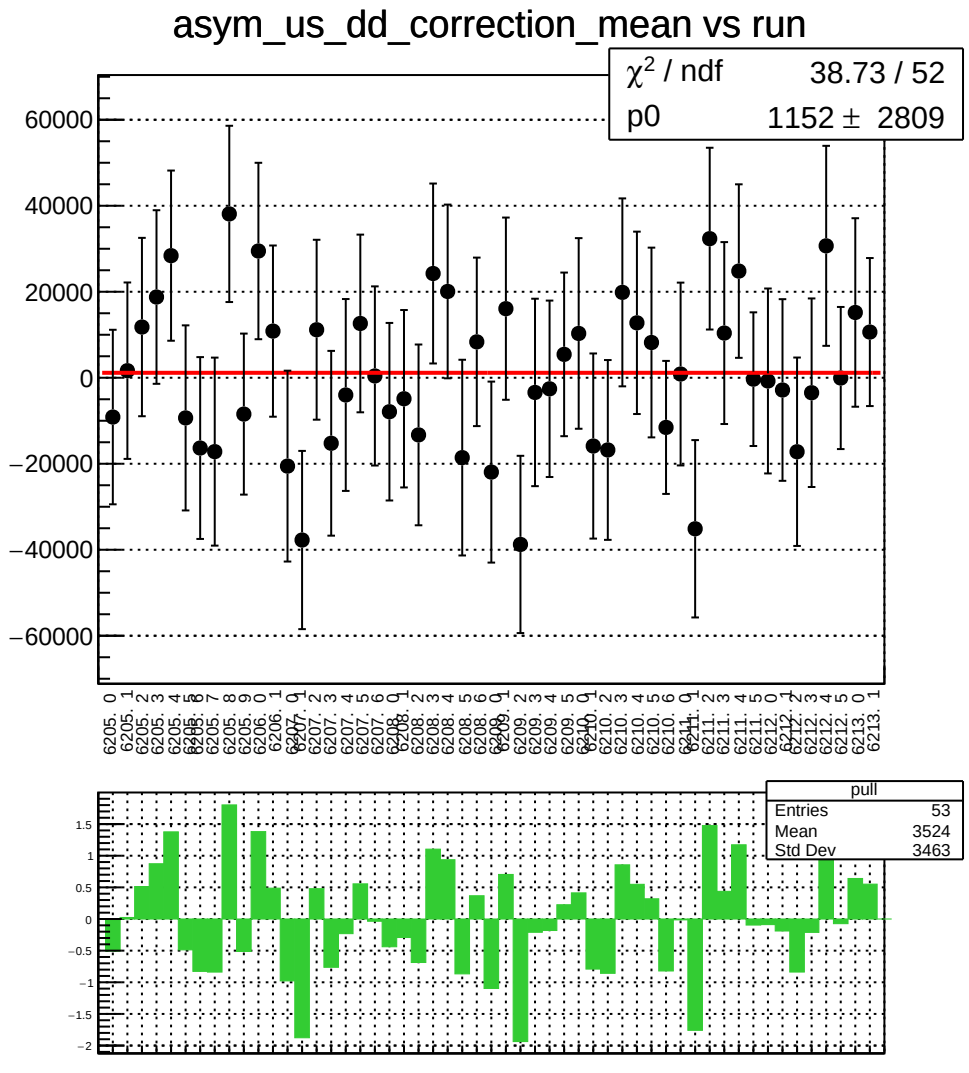

asym_us_avg_mean vs run
χ² / ndf 39.52 / 52
p0 −140.5 ± 2563
60000
40000
20000
0
−20000
−40000
−60000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6207. 7
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 7
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6210. 7
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1
pull
Entries 53
Mean −184.2
Std Dev 242.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 53
Mean 0.002969
Std Dev 0.8635
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

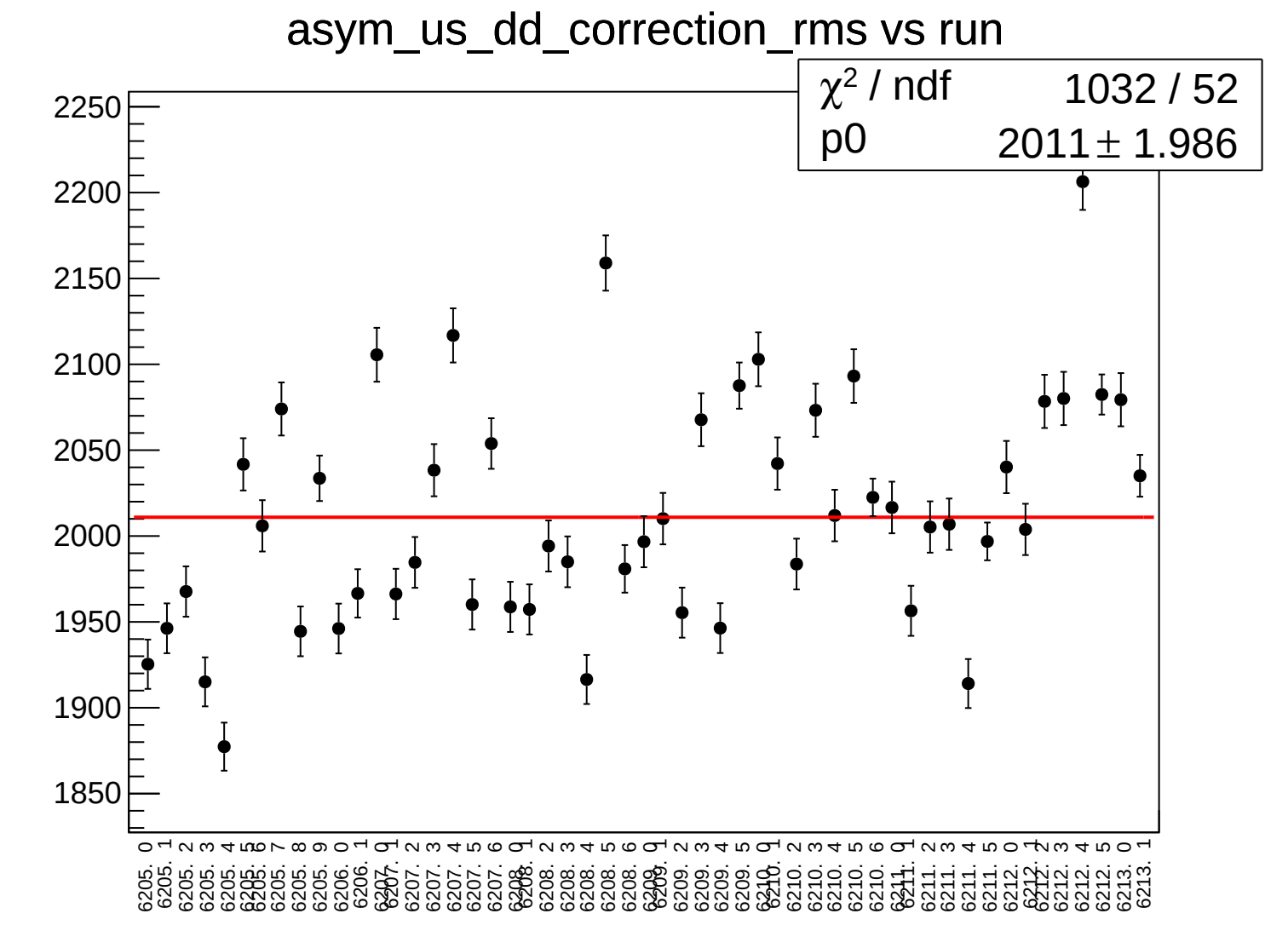

asym_us_avg_rms vs run
χ² / ndf 1319 / 52
p0 1834 ± 1.812
2050
2000
1950
1900
1850
1800
1750
1700
1650
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

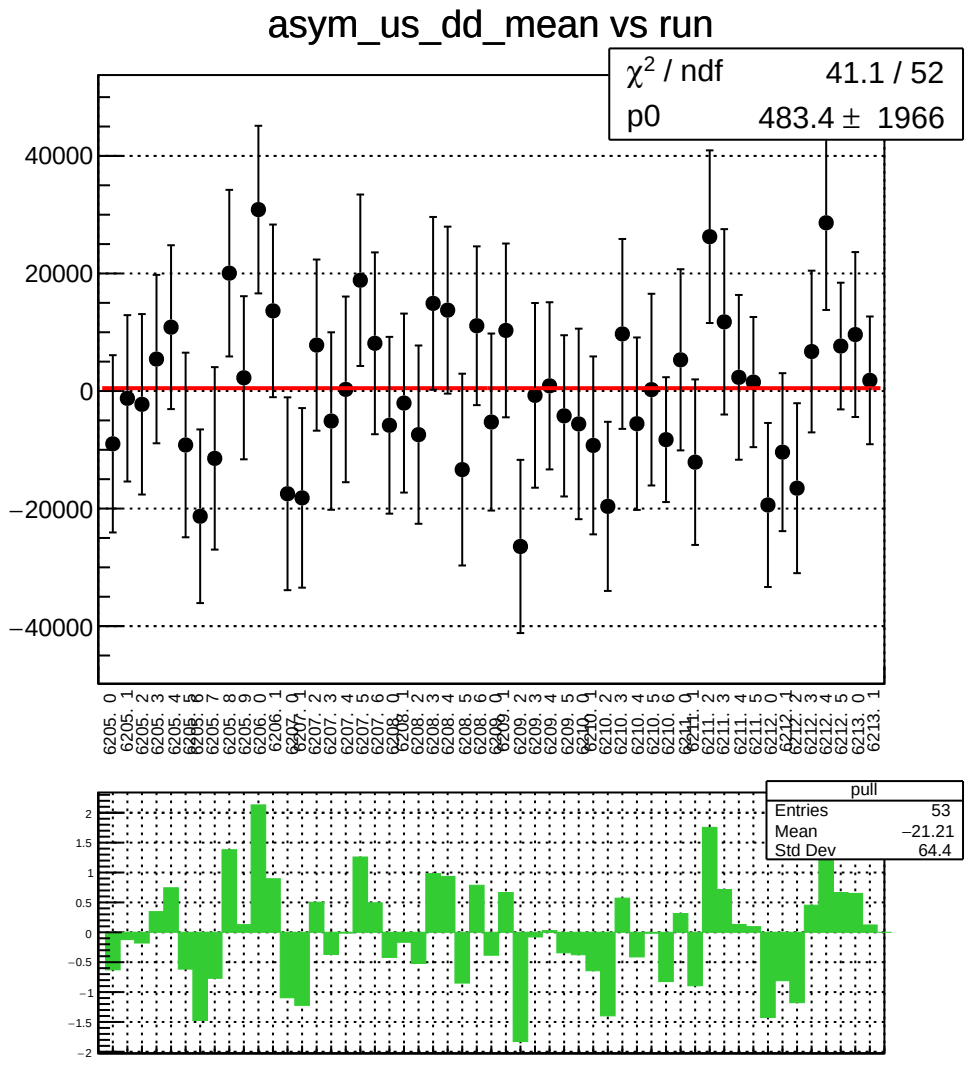

dit_asym_us_dd_mean vs run
χ² / ndf 53.5 / 52
p0 998.1 ± 1142
pull
Entries 53
Mean 1.767
Std Dev 43.62

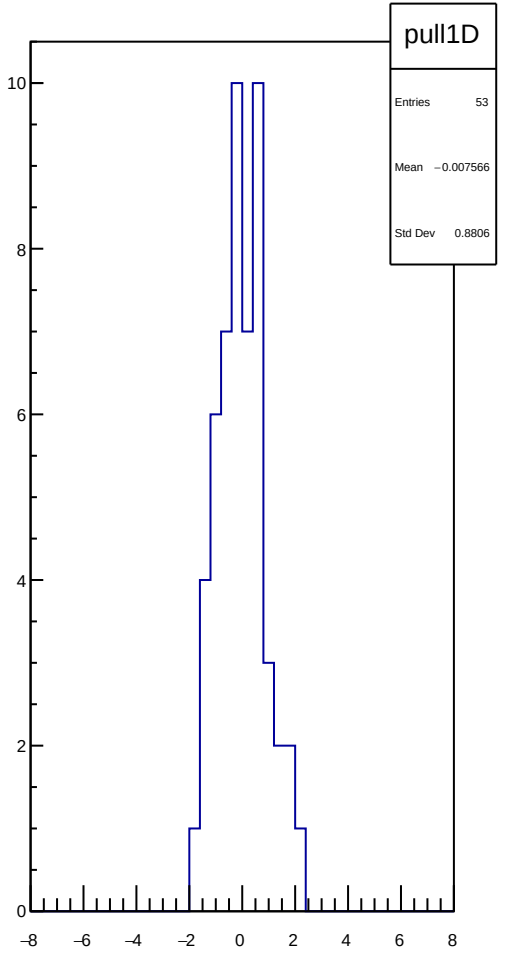

pull1D
Entries 53
Mean 0.007735
Std Dev 1.005

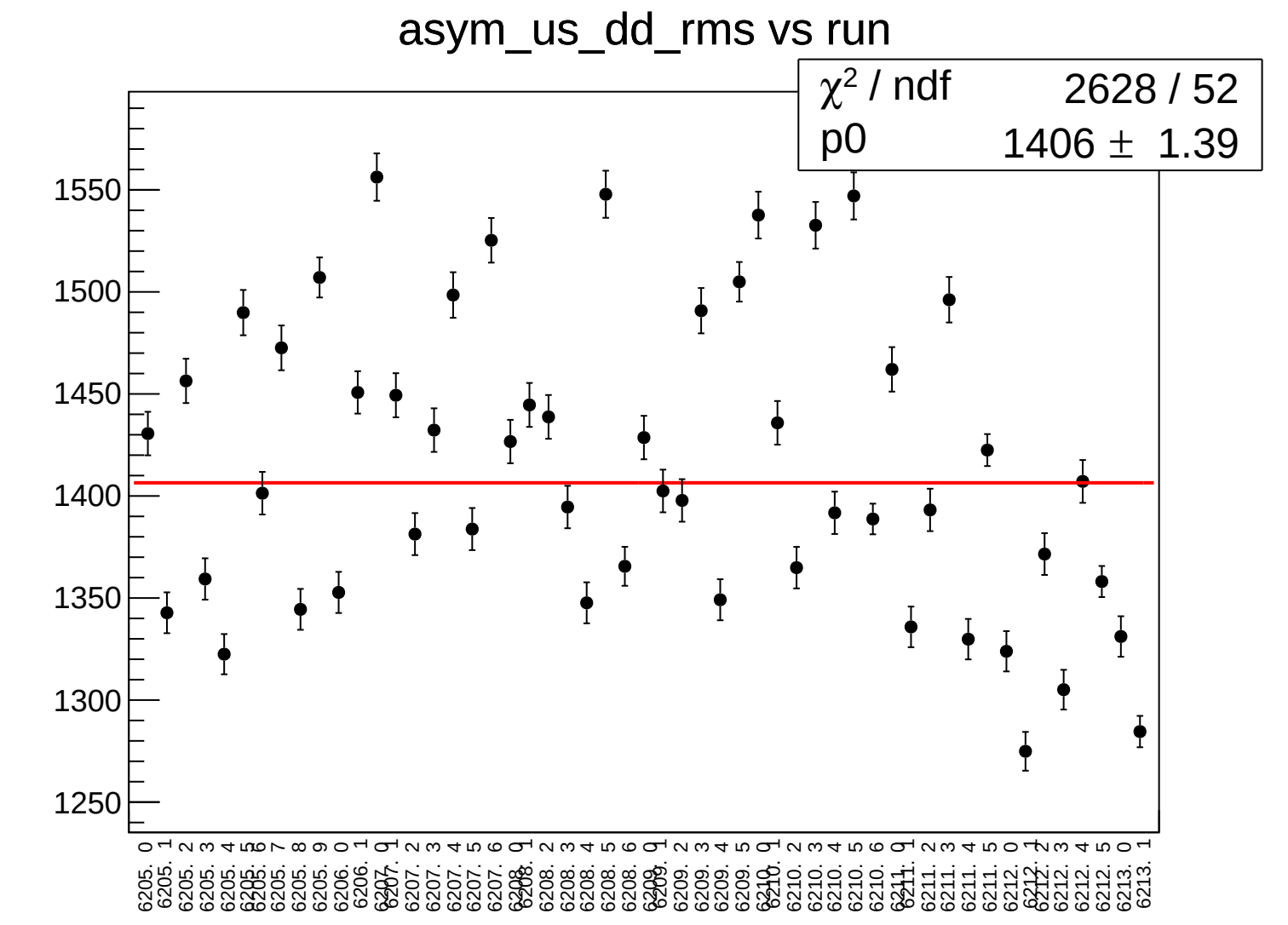

dit_asym_us_dd_rms vs run
χ² / ndf 417.8 / 52
p0 817.8 ± 0.8075
860
850
840
830
820
810
800
790
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

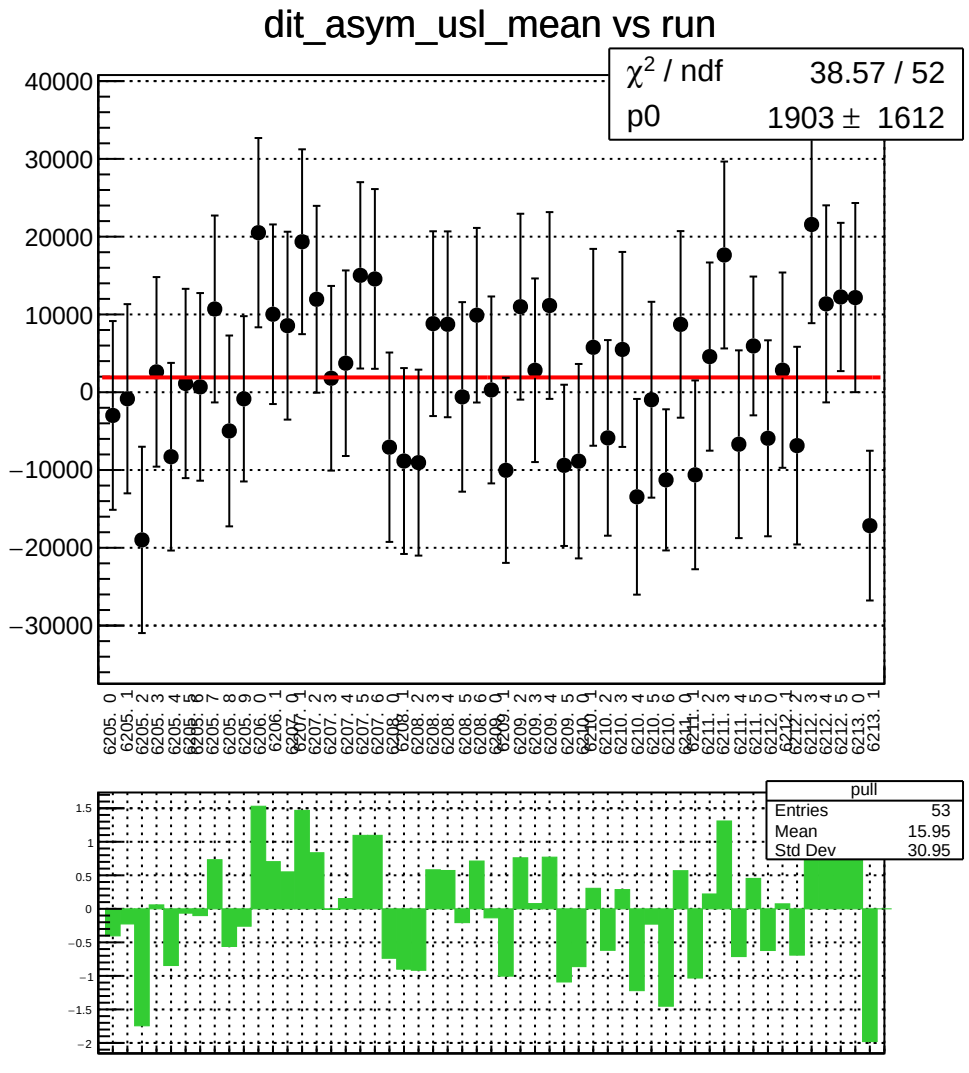

asym_us_dd_correction_mean vs run
χ² / ndf 38.73 / 52
p0 1152 ± 2809
60000
40000
20000
0
−20000
−40000
−60000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6207. 7
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 7
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6210. 7
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1
pull
Entries 53
Mean 3524
Std Dev 3463
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 53
Mean 0.000142
Std Dev 0.8548
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

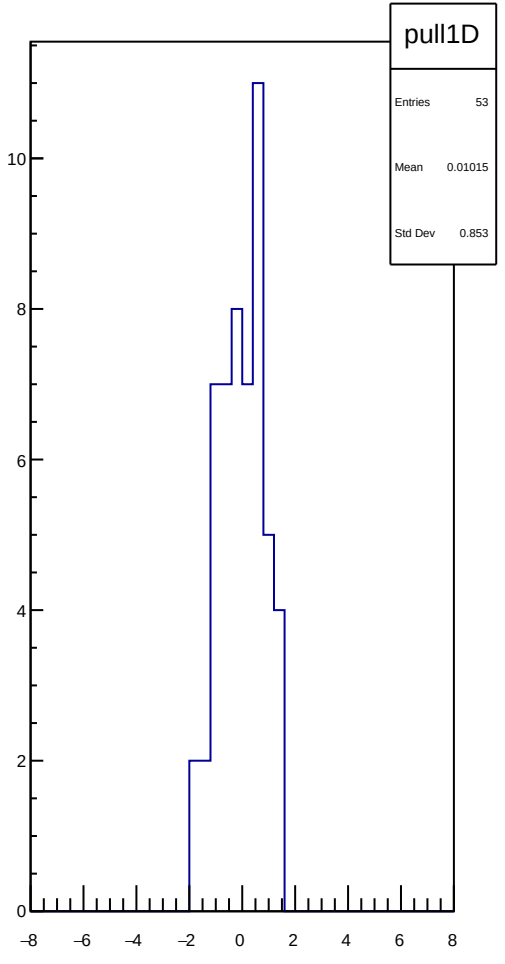

asym_us_dd_correction_rms vs run
χ² / ndf 1032 / 52
p0 2011 ± 1.986
2250
2200
2150
2100
2050
2000
1950
1900
1850
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

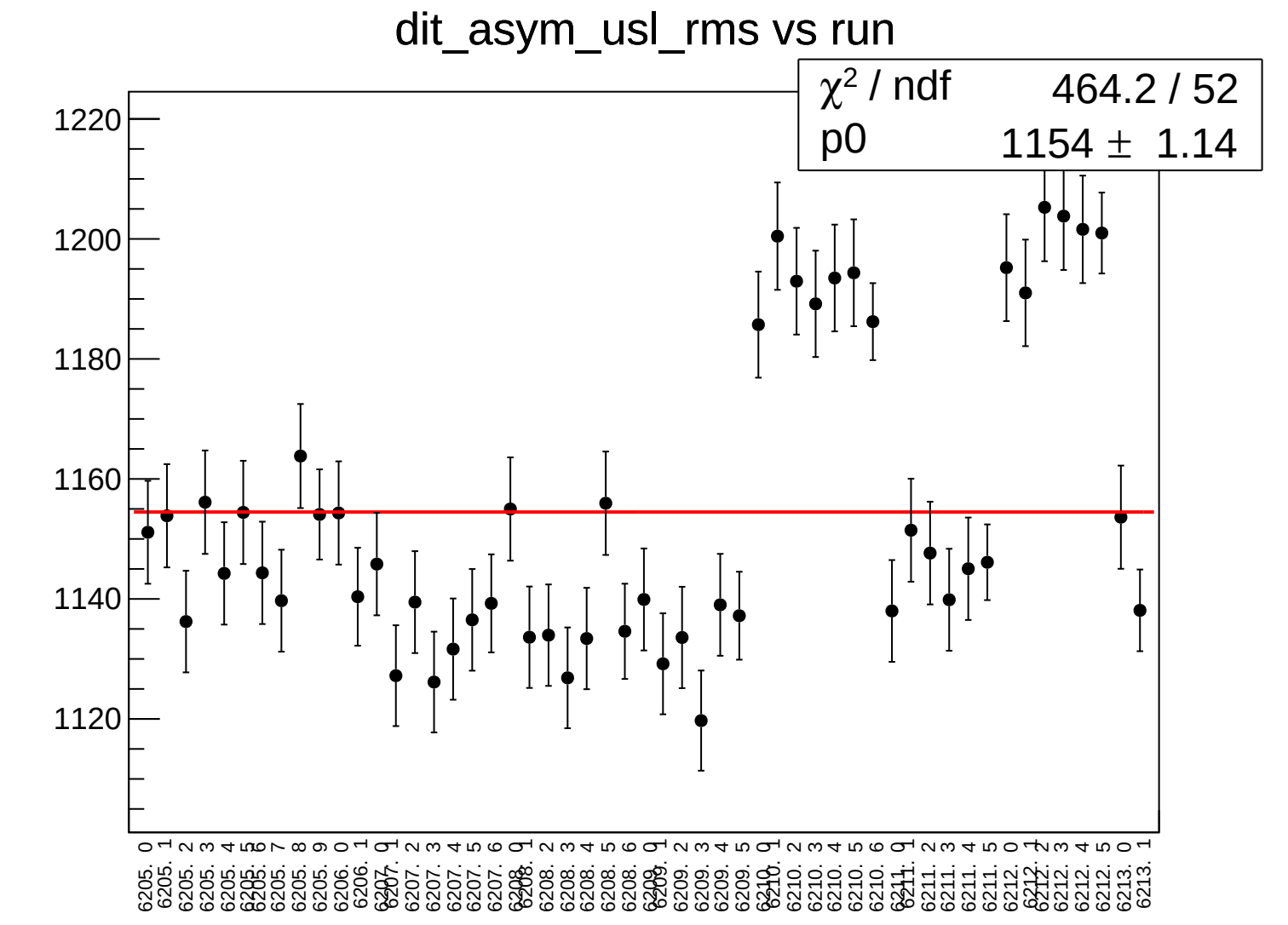

asym_us_dd_mean vs run
$\chi^2$ / ndf 41.1 / 52
p0 483.4 ± 1966
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −21.21
Std Dev 64.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

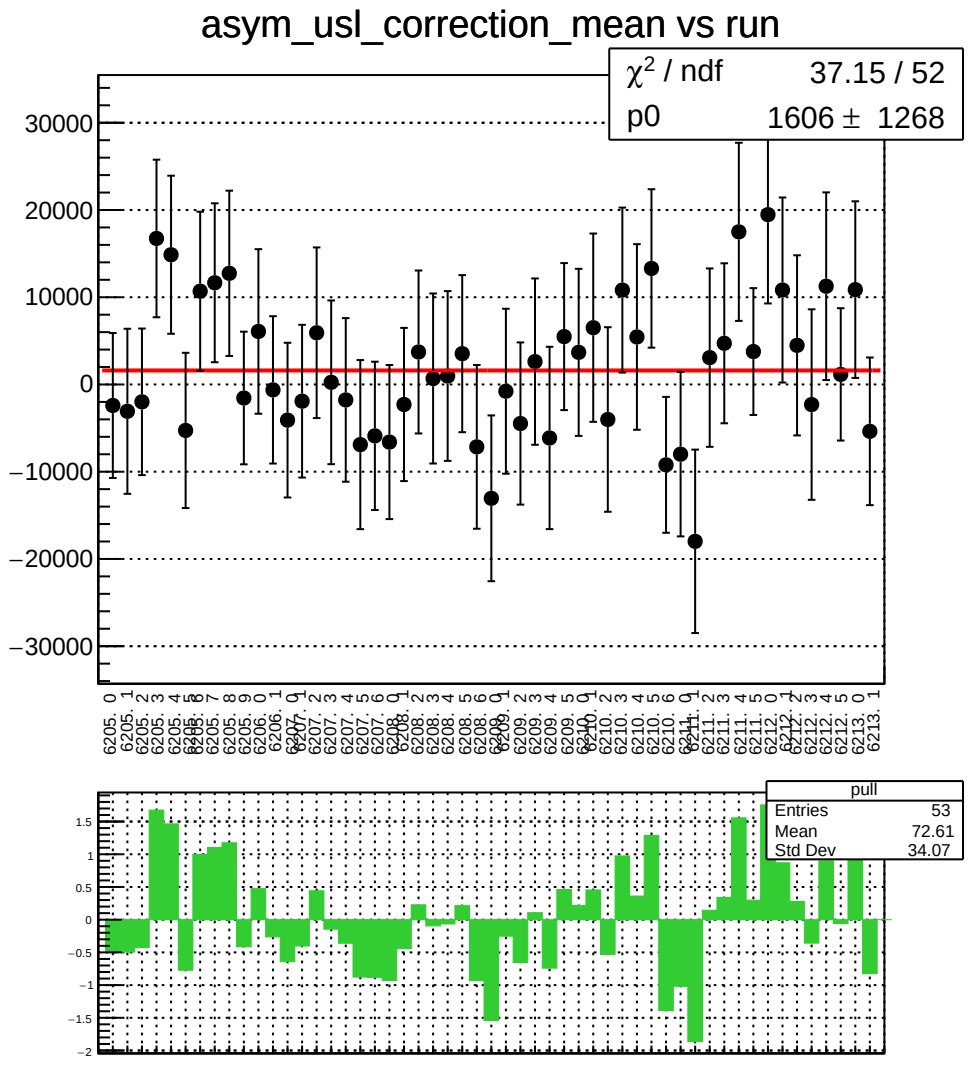

pull1D
Entries 53
Mean −0.007566
Std Dev 0.8806
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

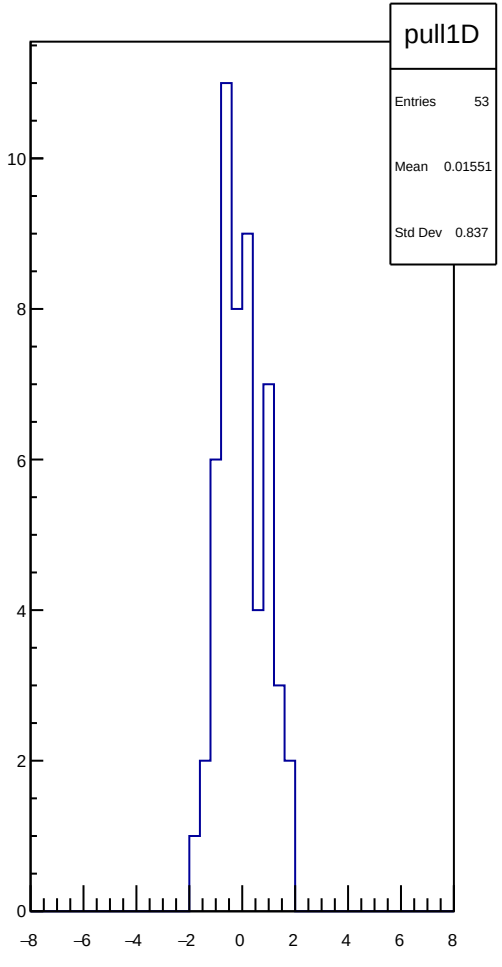

asym_us_dd_rms vs run
χ² / ndf 2628 / 52
p0 1406 ± 1.39
1550
1500
1450
1400
1350
1300
1250
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

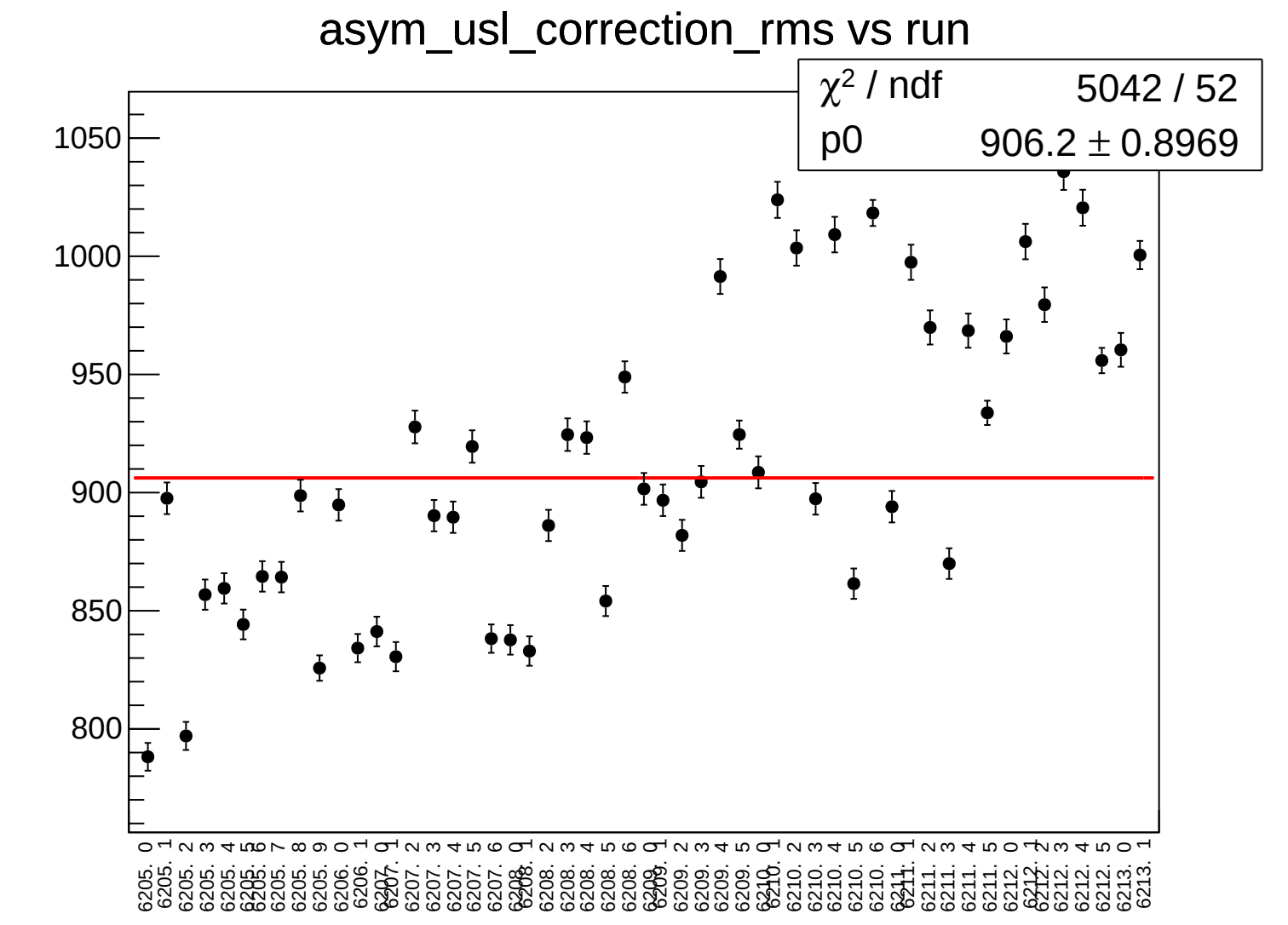

dit_asym_usl_mean vs run
χ² / ndf 38.57 / 52
p0 1903 ± 1612
pull
Entries 53
Mean 15.95
Std Dev 30.95

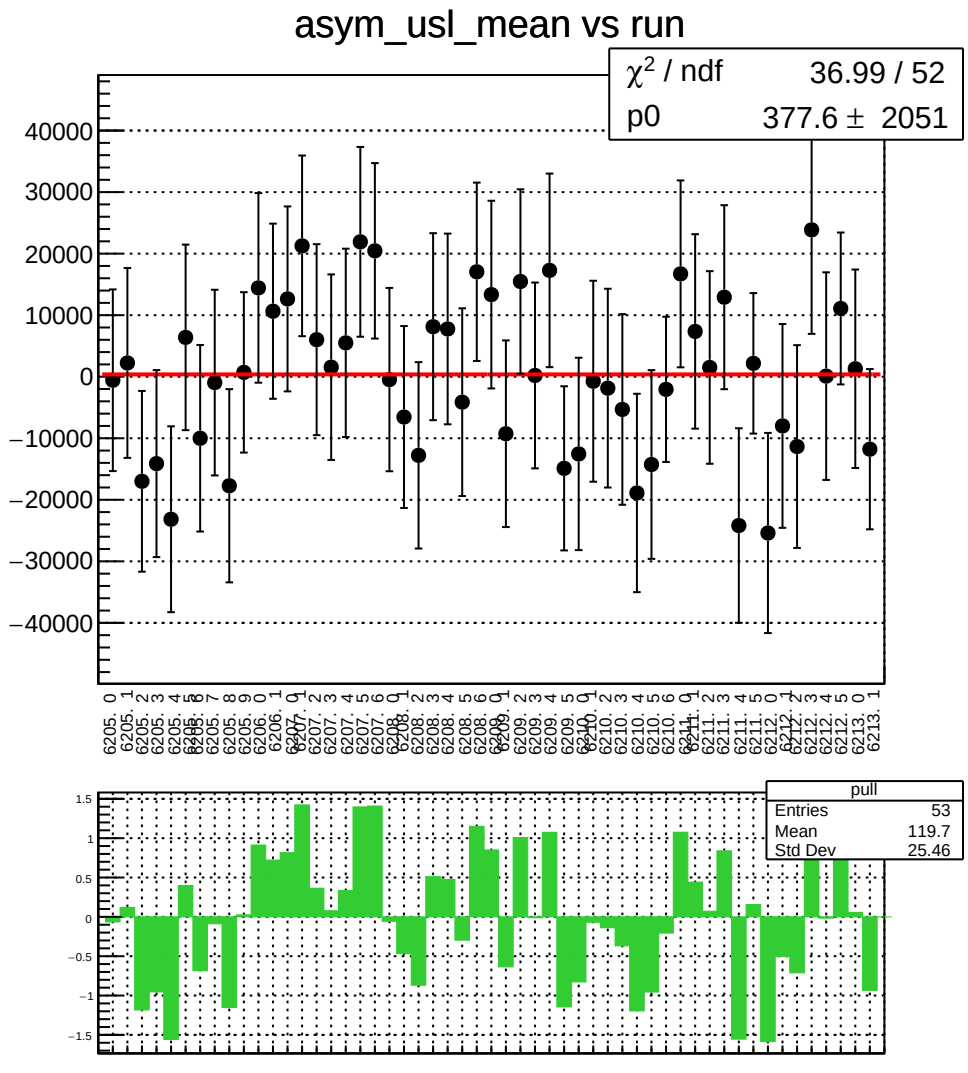

pull1D
Entries 53
Mean 0.01015
Std Dev 0.853

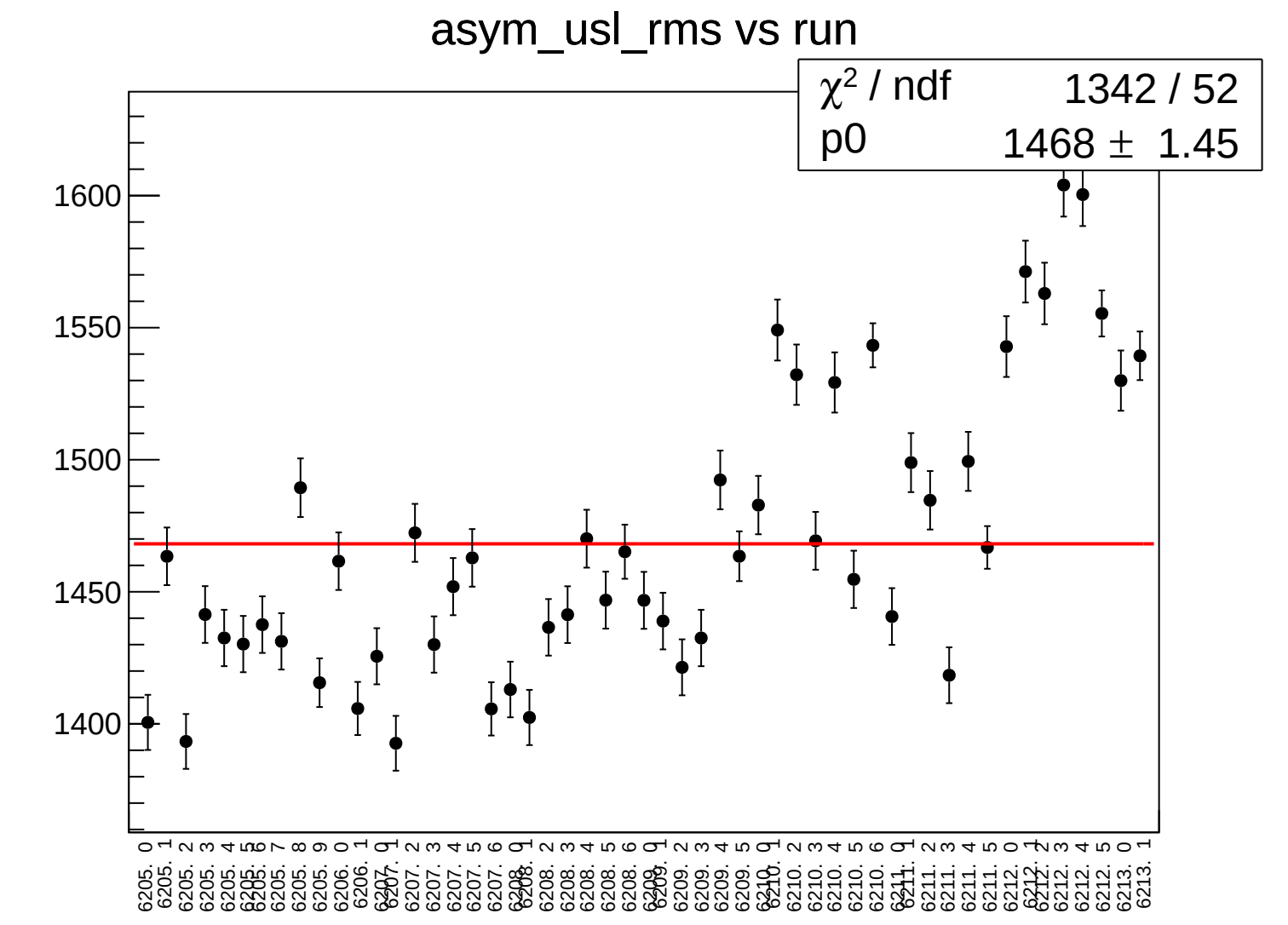

dit_asym_usl_rms vs run
χ² / ndf 464.2 / 52
p0 1154 ± 1.14
1220
1200
1180
1160
1140
1120
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

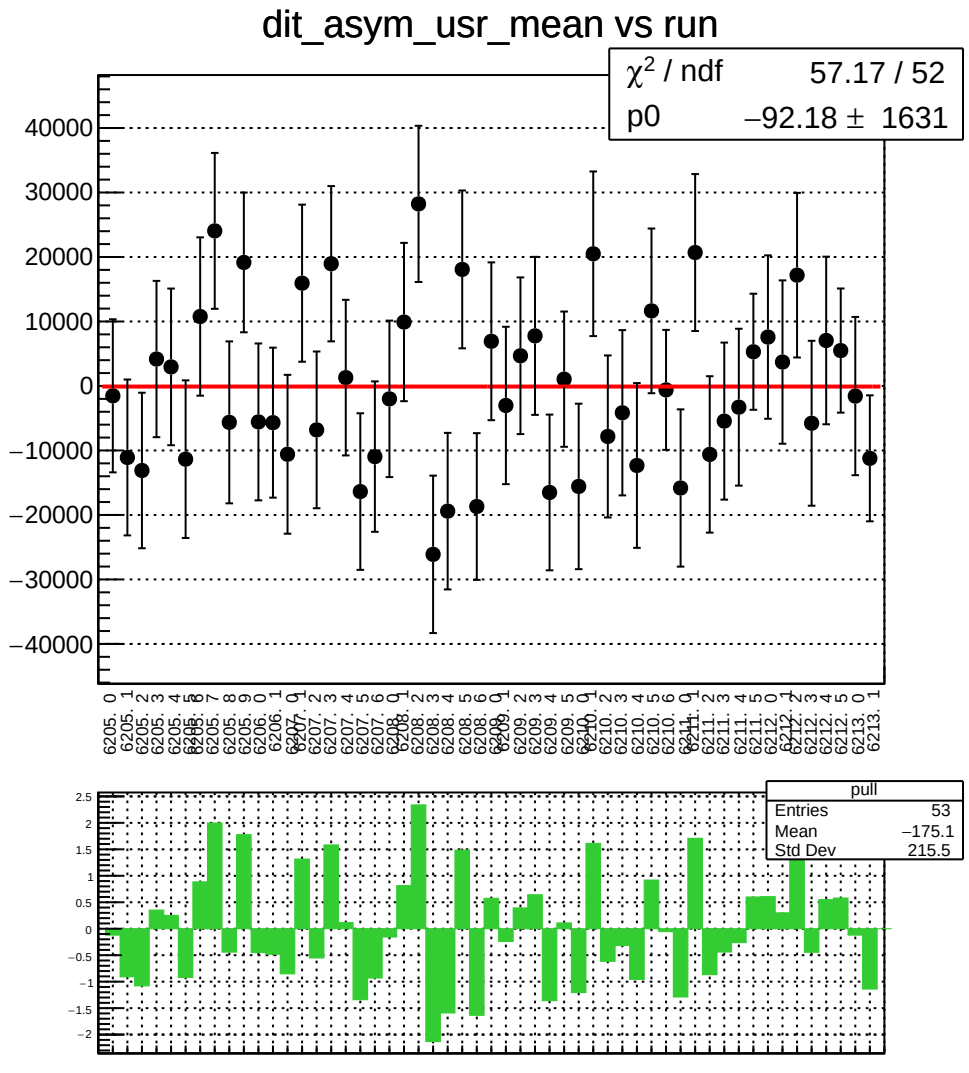

asym_usl_correction_mean vs run
χ² / ndf 37.15 / 52
p0 1606 ± 1268
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 53
Mean 72.61
Std Dev 34.07
1.5
1
0.5
0
−0.5
−1
−1.5
−2

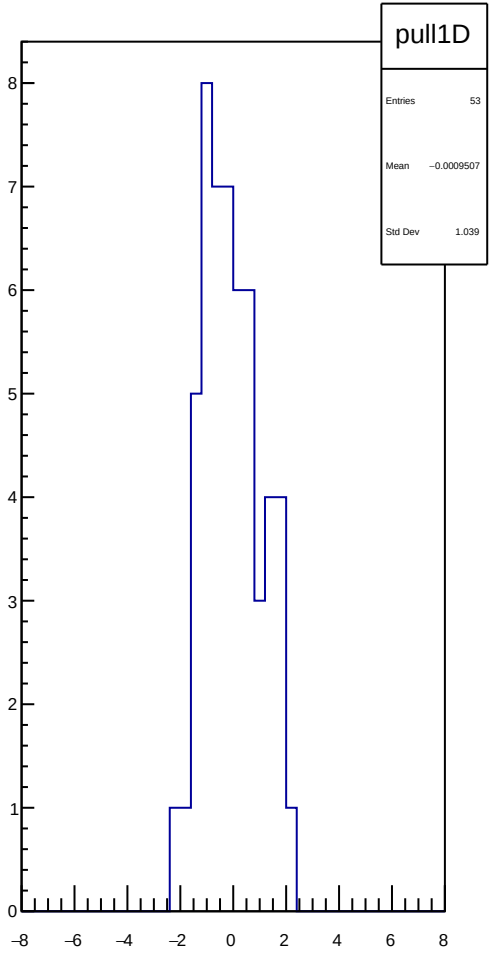

pull1D
Entries 53
Mean 0.01551
Std Dev 0.837
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

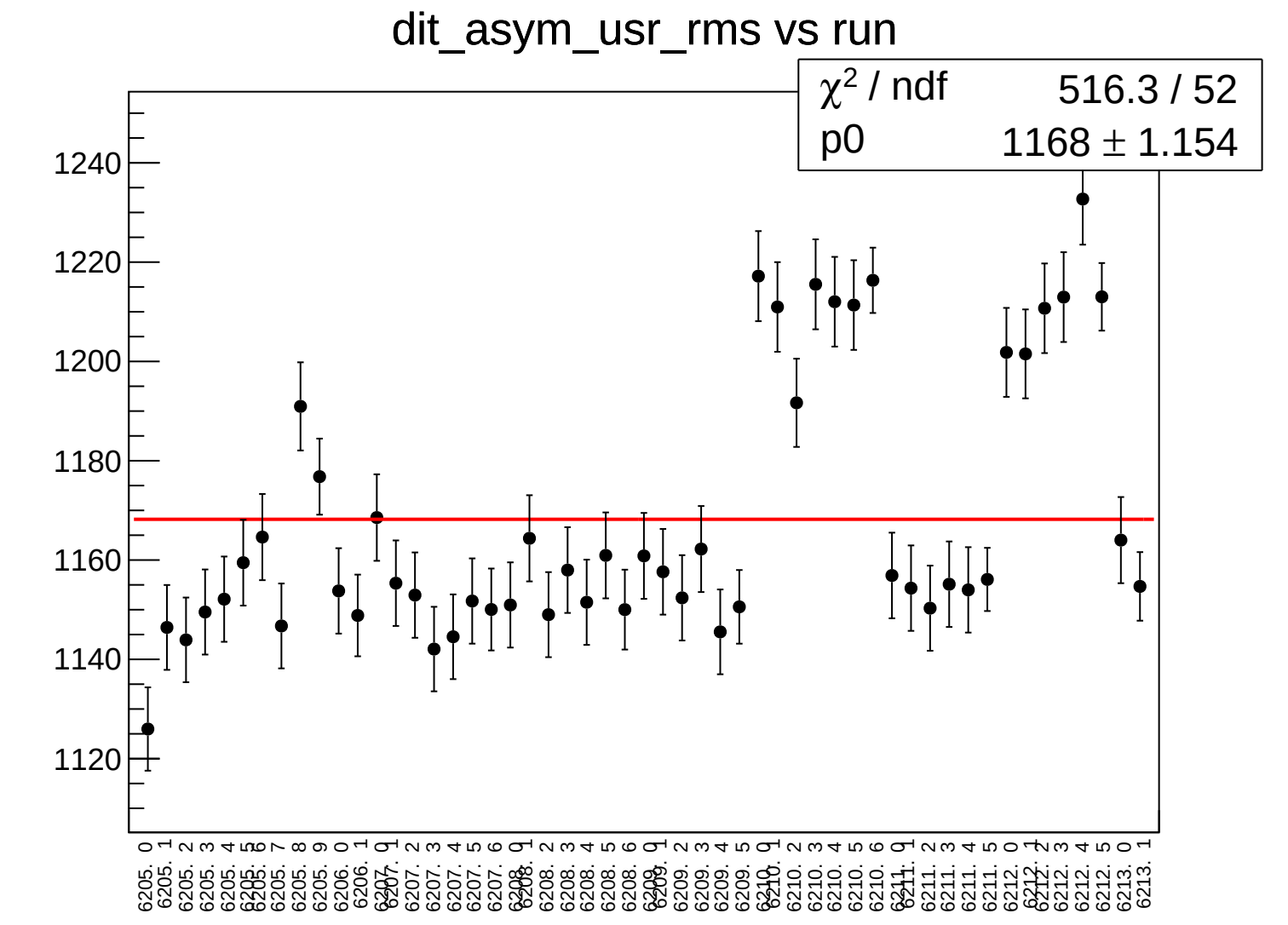

asym_usl_correction_rms vs run
χ² / ndf 5042 / 52
p0 906.2 ± 0.8969
1050
1000
950
900
850
800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

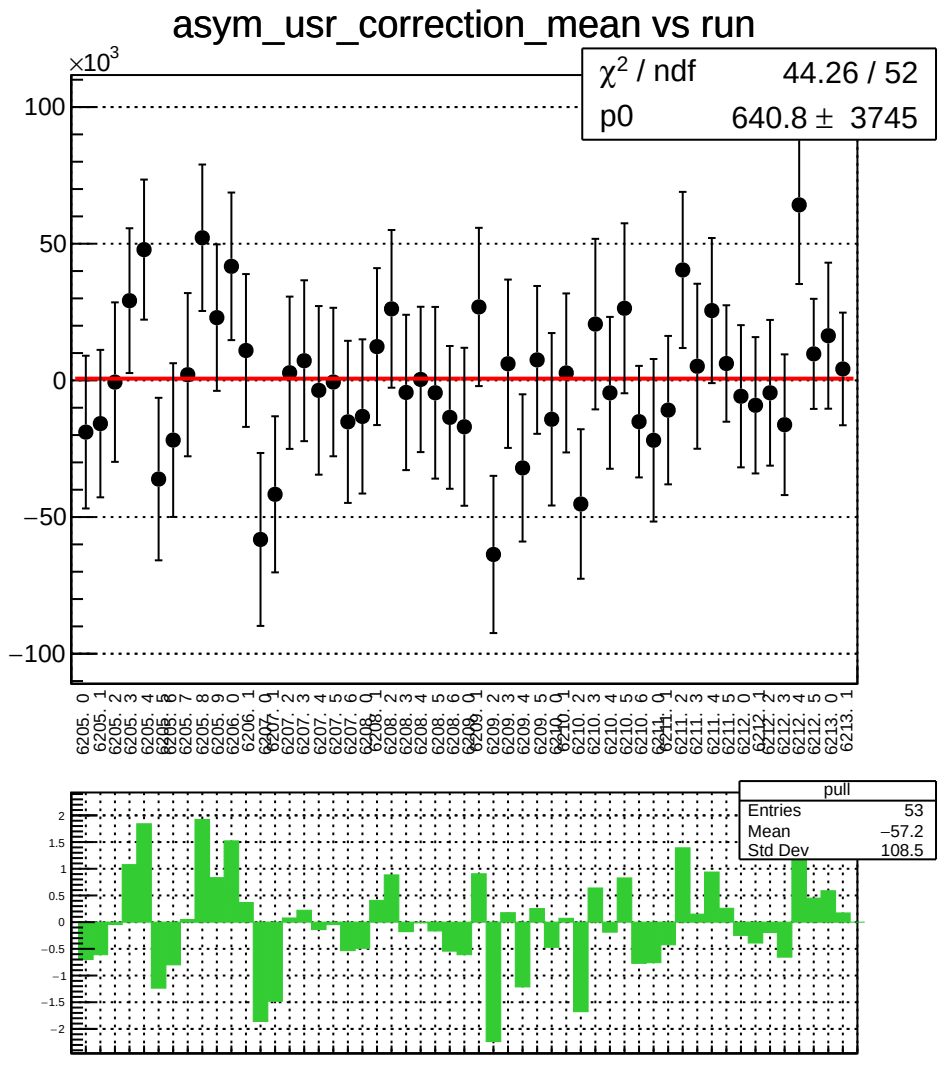

asym_usl_mean vs run
$\chi^2$ / ndf 36.99 / 52
p0 377.6 ± 2051
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6206. 2
6206. 3
6206. 4
6206. 5
6206. 6
6206. 7
6206. 8
6206. 9
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6207. 7
6207. 8
6207. 9
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 7
6208. 8
6208. 9
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6209. 6
6209. 7
6209. 8
6209. 9
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6210. 7
6210. 8
6210. 9
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6211. 6
6211. 7
6211. 8
6211. 9
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1
pull
Entries 53
Mean 119.7
Std Dev 25.46
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 53
Mean −0.004937
Std Dev 0.8355
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

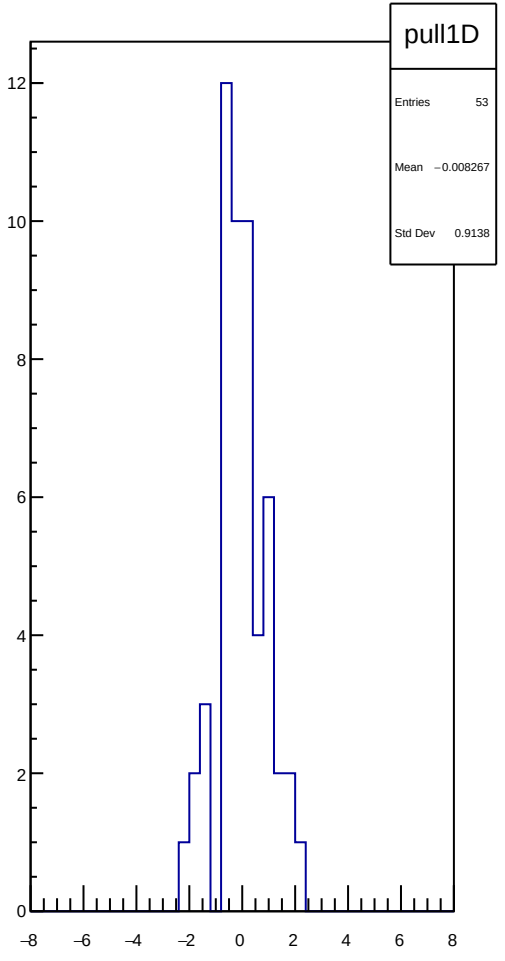

asym_usl_rms vs run
χ² / ndf 1342 / 52
p0 1468 ± 1.45
1600
1550
1500
1450
1400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

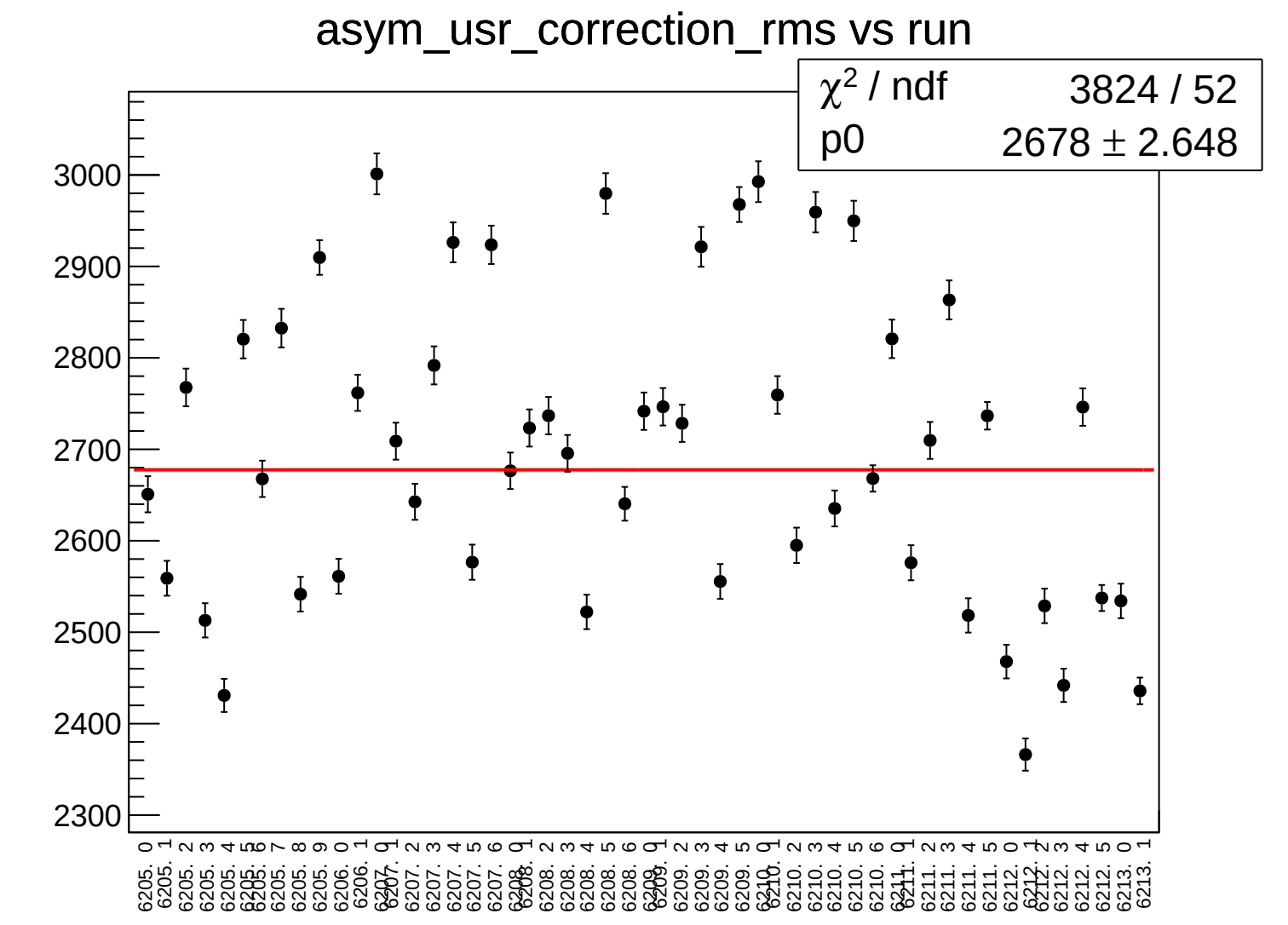

dit_asym_usr_mean vs run
χ² / ndf 57.17 / 52
p0 −92.18 ± 1631
pull
Entries 53
Mean −175.1
Std Dev 215.5

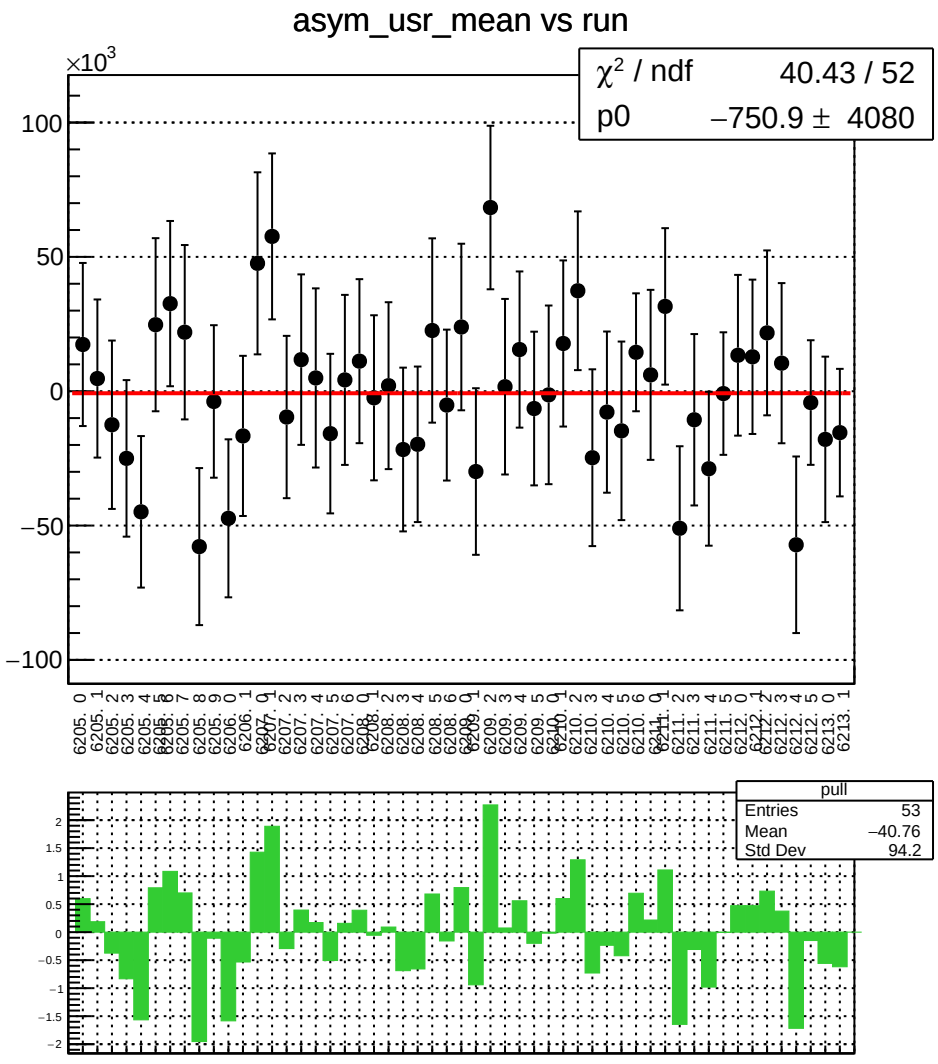

pull1D
Entries 53
Mean −0.0009507
Std Dev 1.039

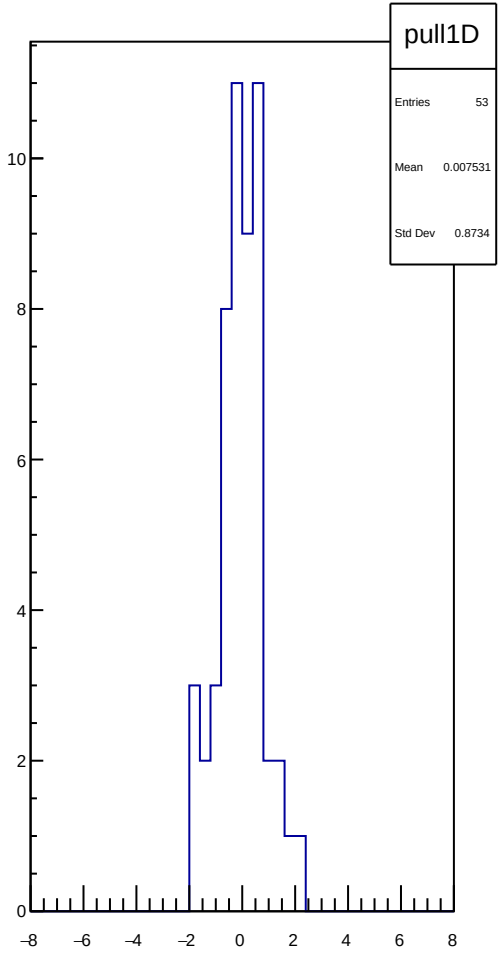

dit_asym_usr_rms vs run
χ² / ndf 516.3 / 52
p0 1168 ± 1.154
1240
1220
1200
1180
1160
1140
1120
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

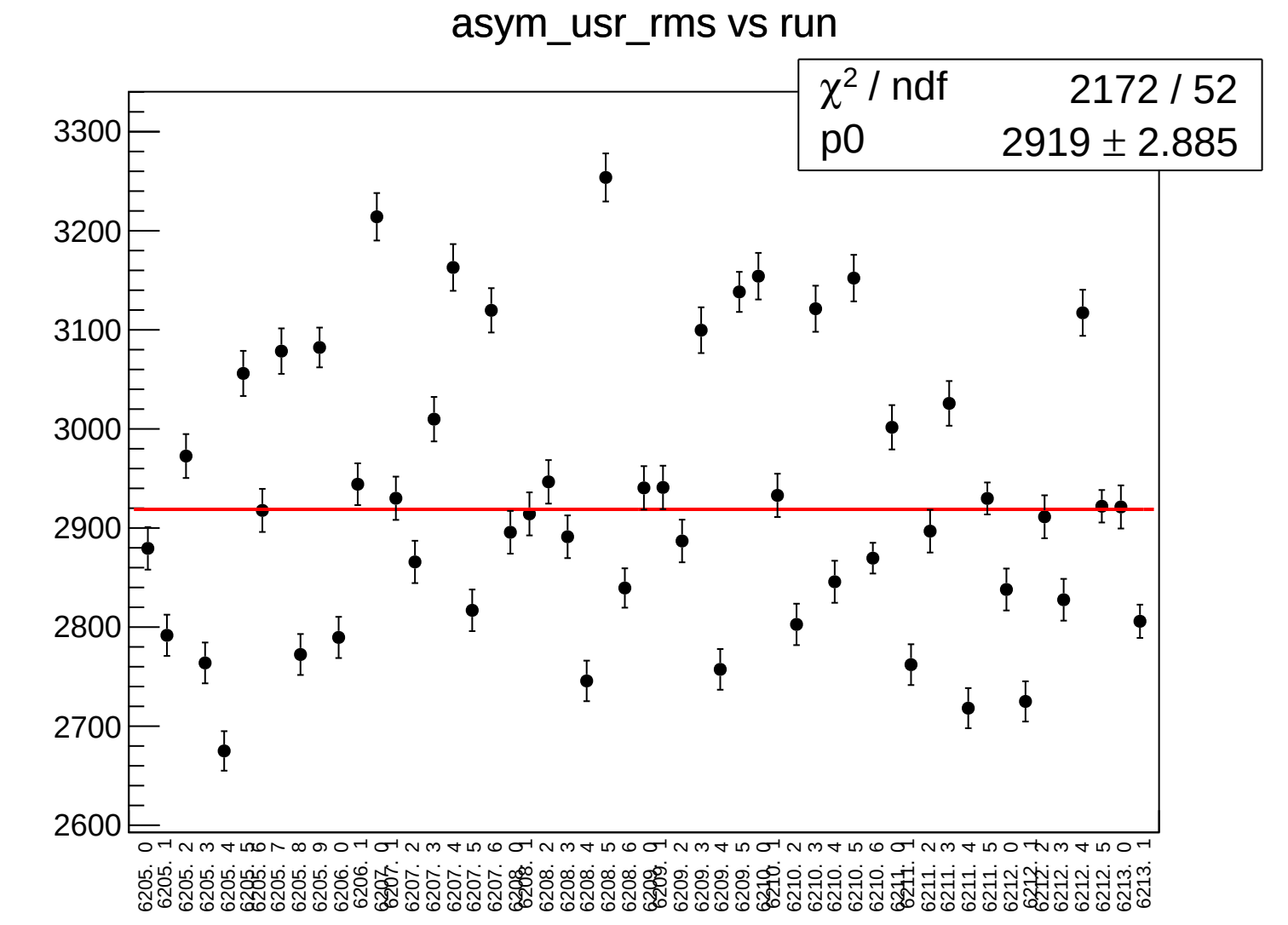

asym_usr_correction_mean vs run
×10^3
χ² / ndf 44.26 / 52
p0 640.8 ± 3745
100
50
0
−50
−100
pull
Entries 53
Mean −57.2
Std Dev 108.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

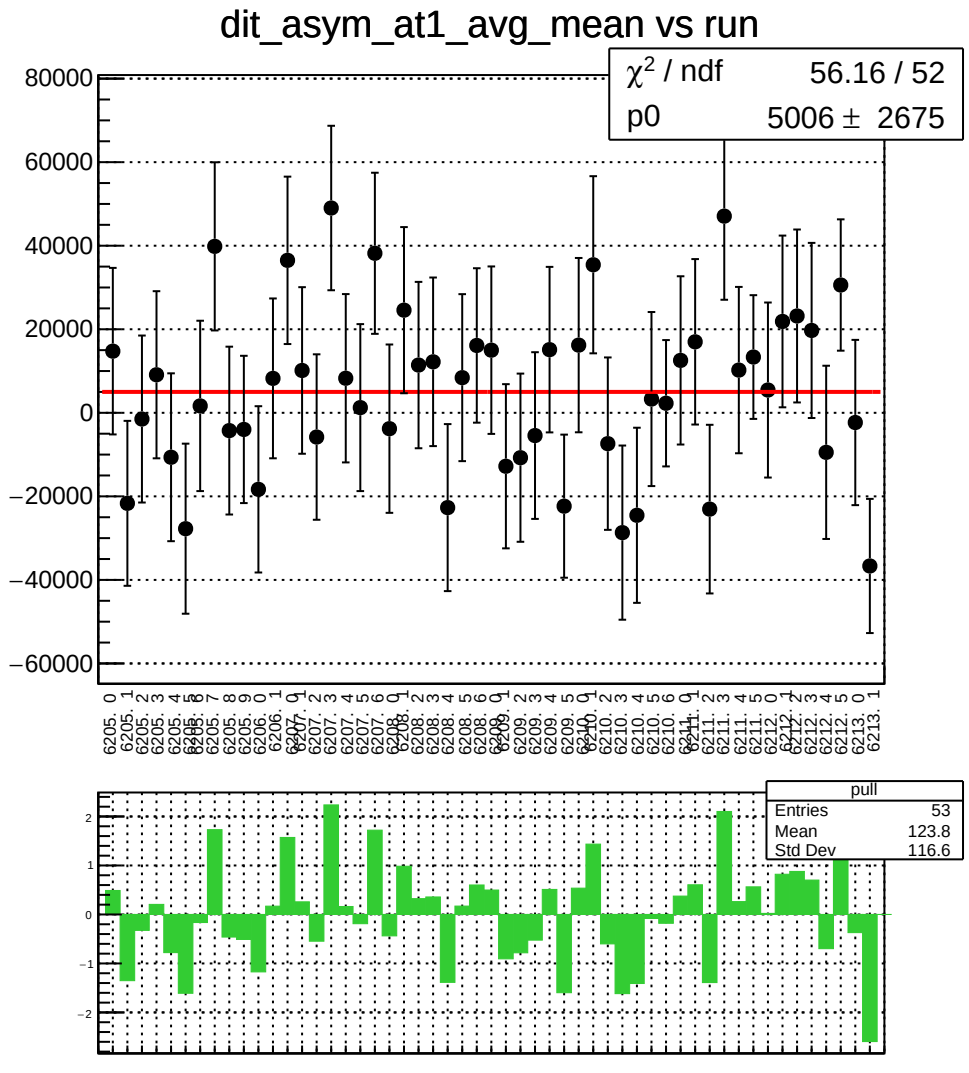

pull1D
Entries 53
Mean −0.008267
Std Dev 0.9138
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

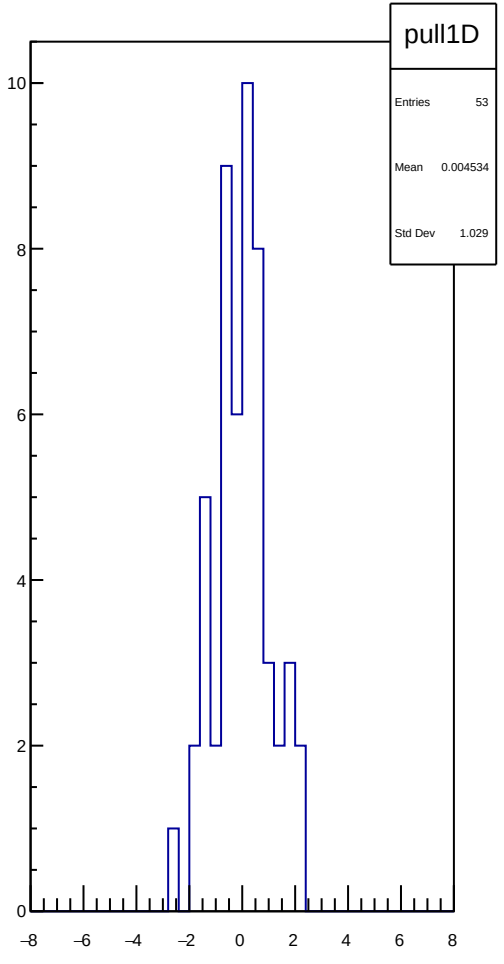

asym_usr_correction_rms vs run
χ² / ndf 3824 / 52
p0 2678 ± 2.648
3000
2900
2800
2700
2600
2500
2400
2300
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

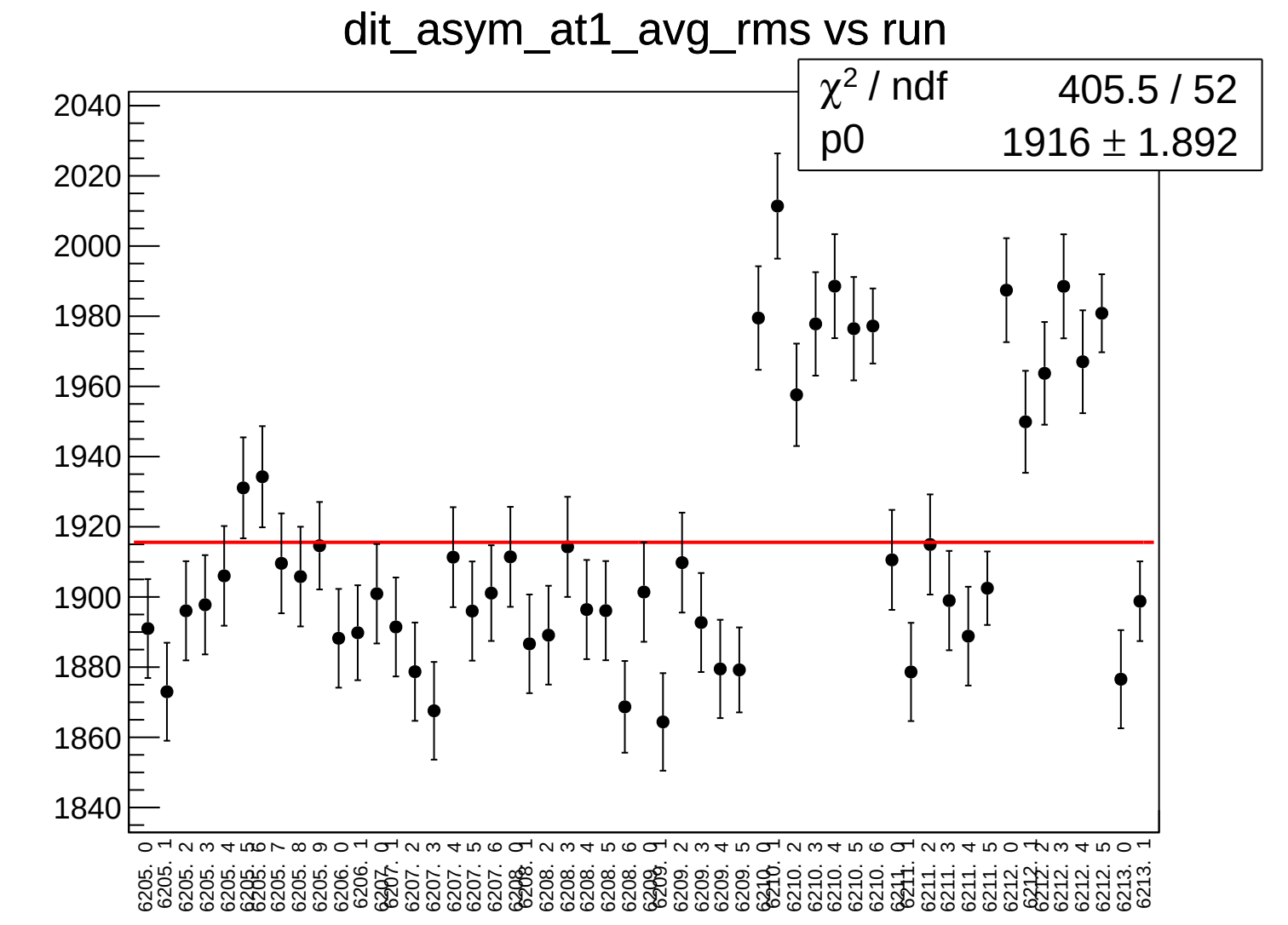

asym_usr_mean vs run
×10^3
χ² / ndf 40.43 / 52
p0 −750.9 ± 4080
100
50
0
−50
−100
pull
Entries 53
Mean −40.76
Std Dev 94.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

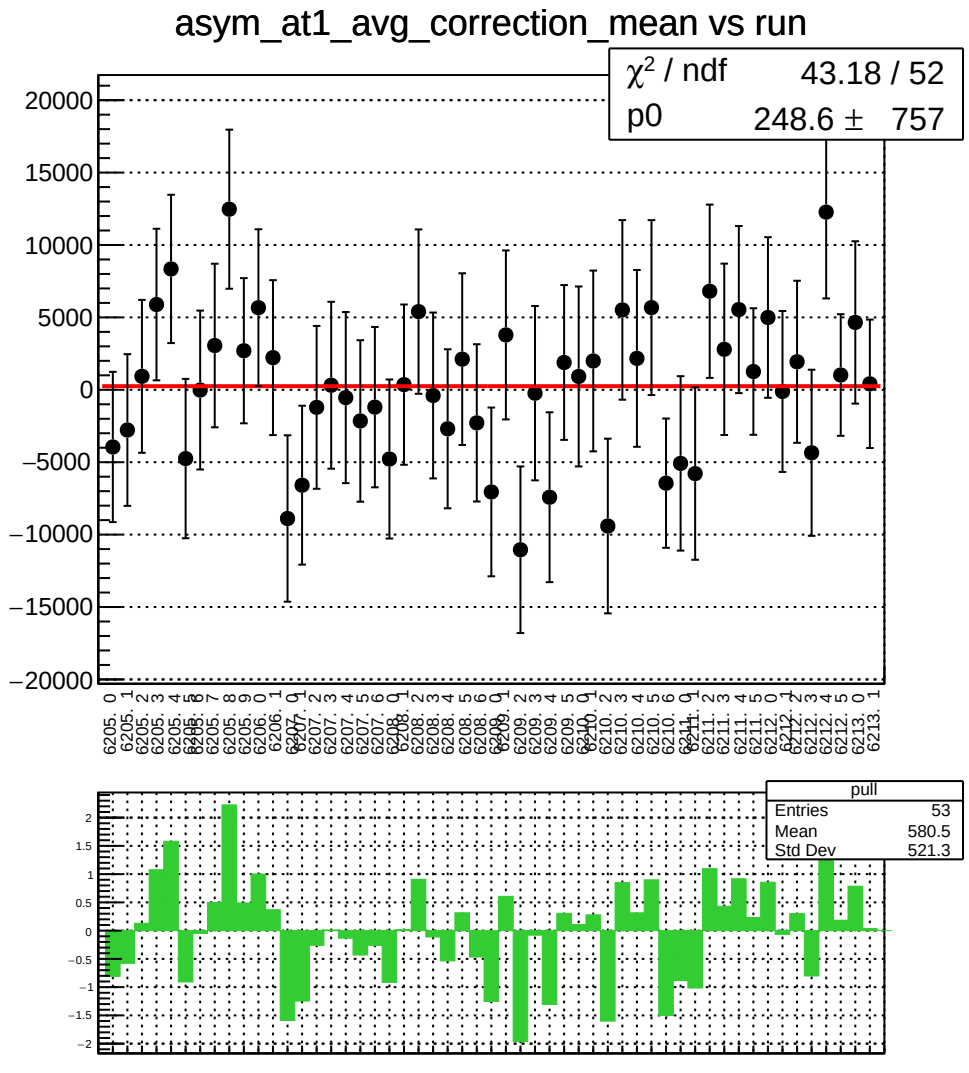

pull1D
Entries 53
Mean 0.007531
Std Dev 0.8734
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

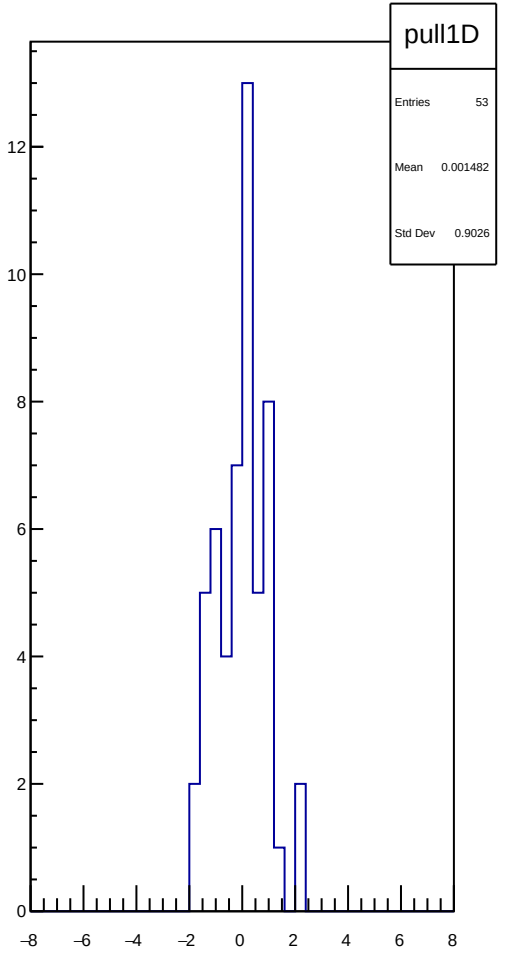

asym_usr_rms vs run
χ² / ndf 2172 / 52
p0 2919 ± 2.885
3300
3200
3100
3000
2900
2800
2700
2600
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

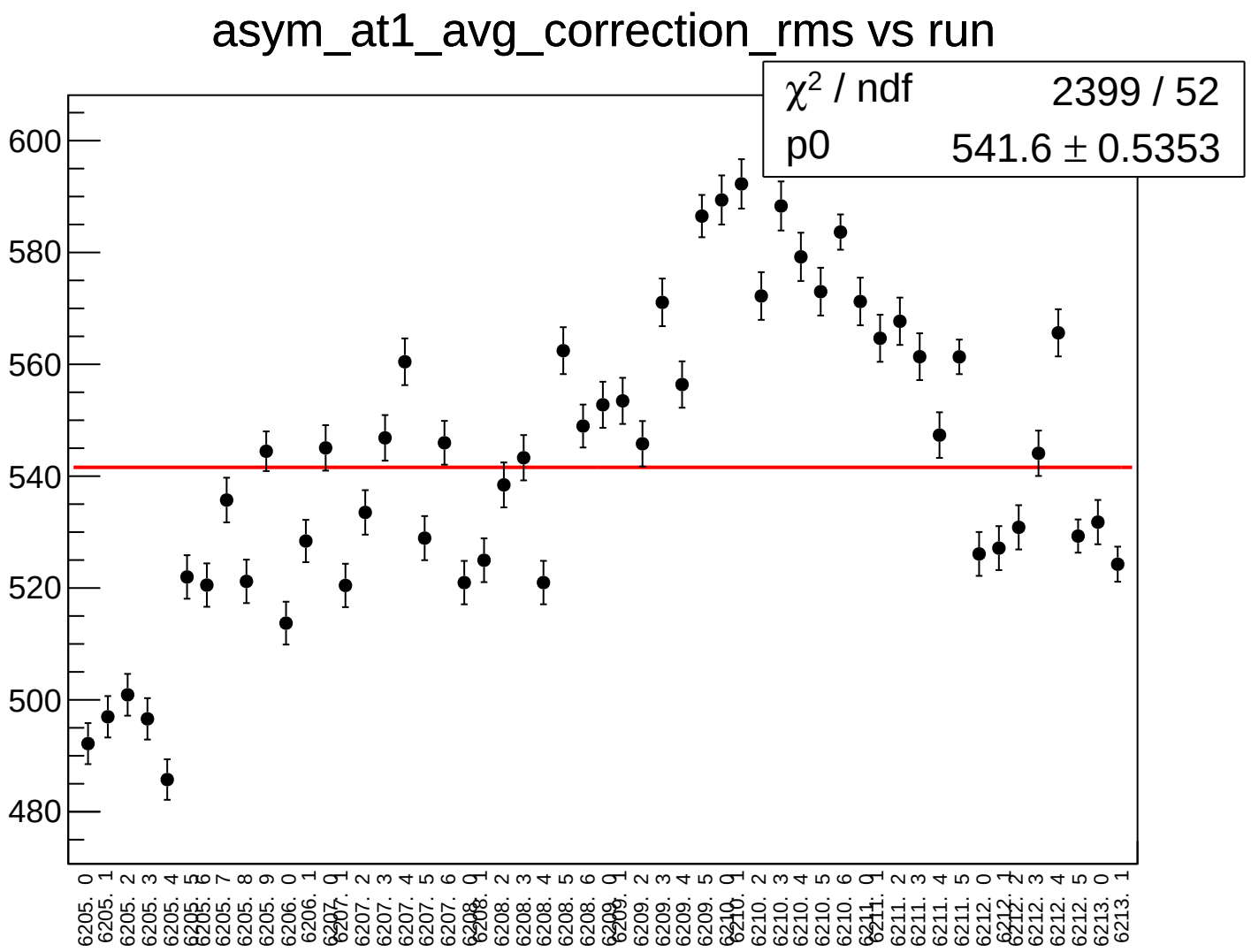

dit_asym_at1_avg_mean vs run
χ² / ndf 56.16 / 52
p0 5006 ± 2675
pull
Entries 53
Mean 123.8
Std Dev 116.6

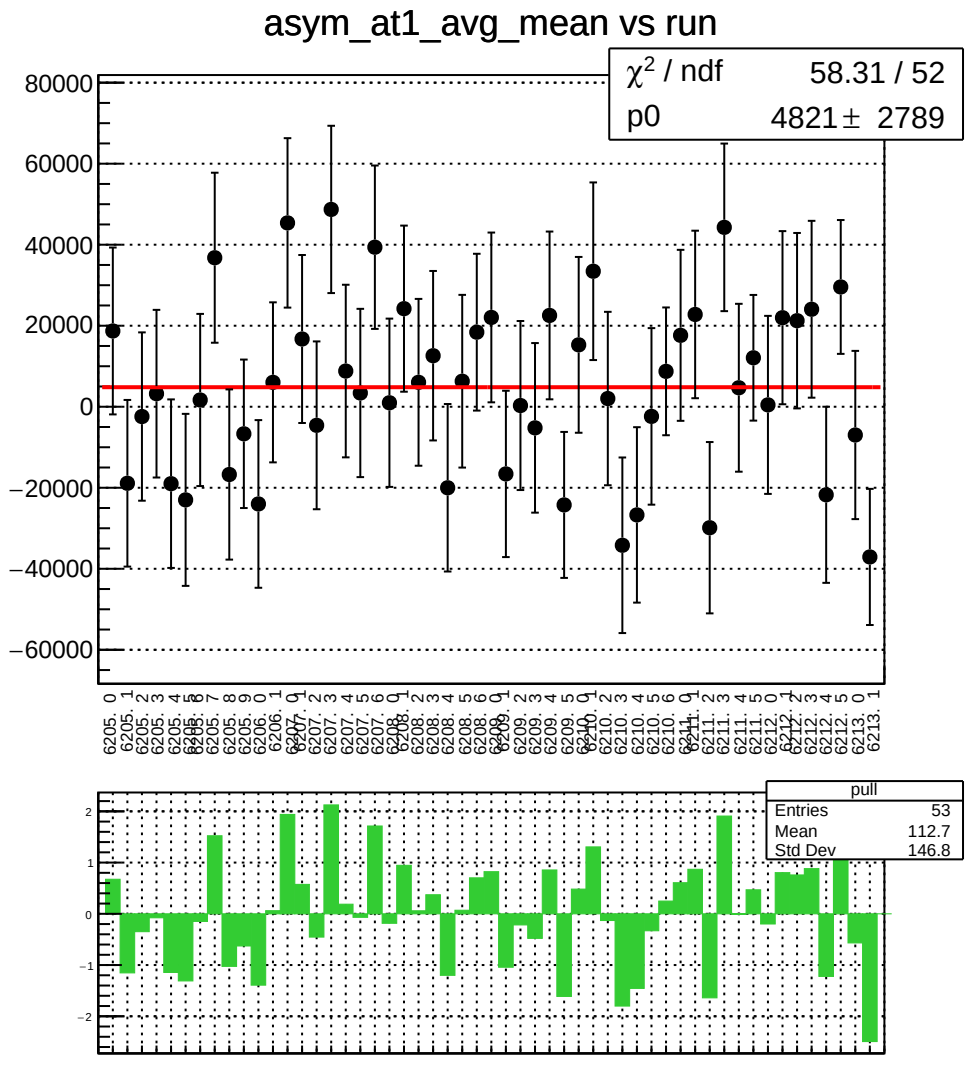

pull1D
Entries 53
Mean 0.004534
Std Dev 1.029

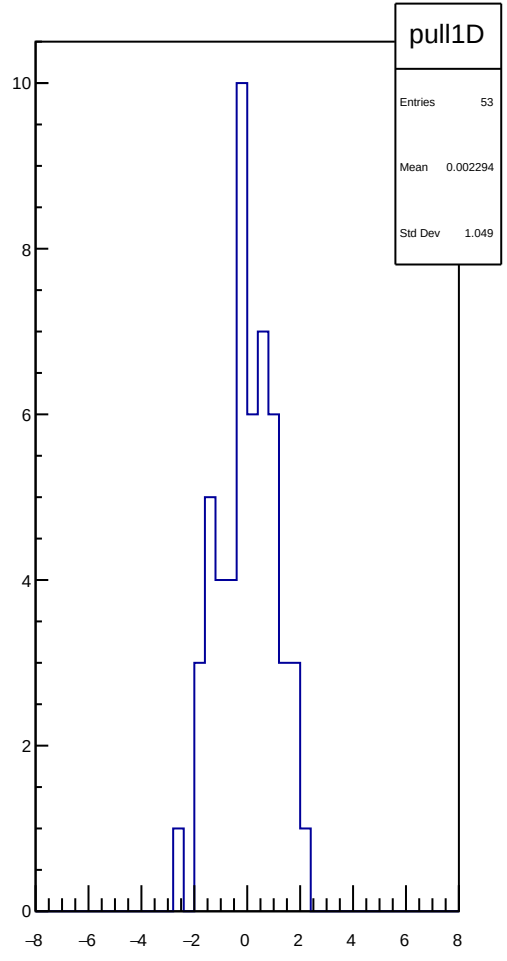

dit_asym_at1_avg_rms vs run
χ² / ndf 405.5 / 52
p0 1916 ± 1.892
2040
2020
2000
1980
1960
1940
1920
1900
1880
1860
1840
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

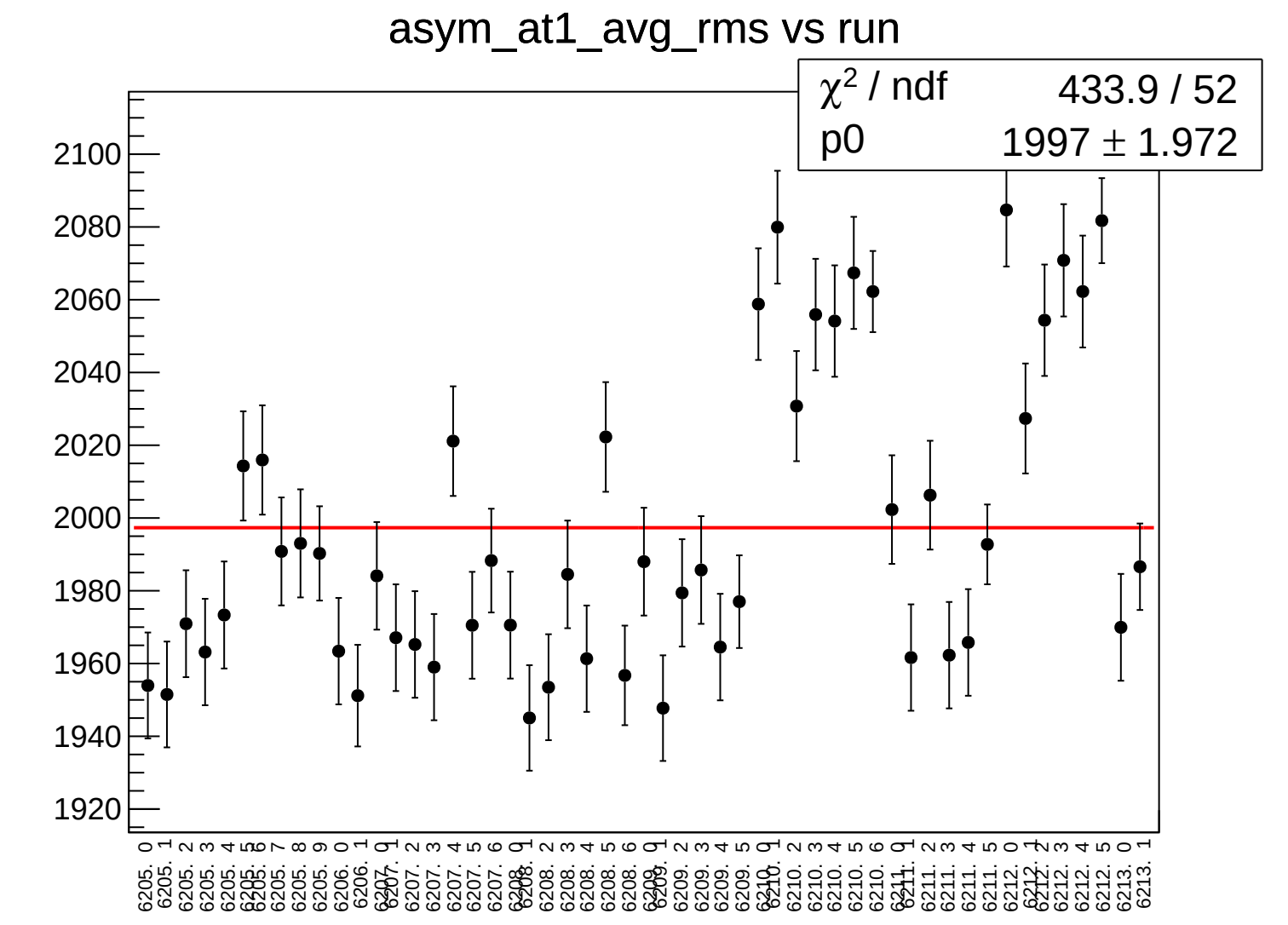

asym_at1_avg_correction_mean vs run
χ² / ndf 43.18 / 52
p0 248.6 ± 757
pull
Entries 53
Mean 580.5
Std Dev 521.3

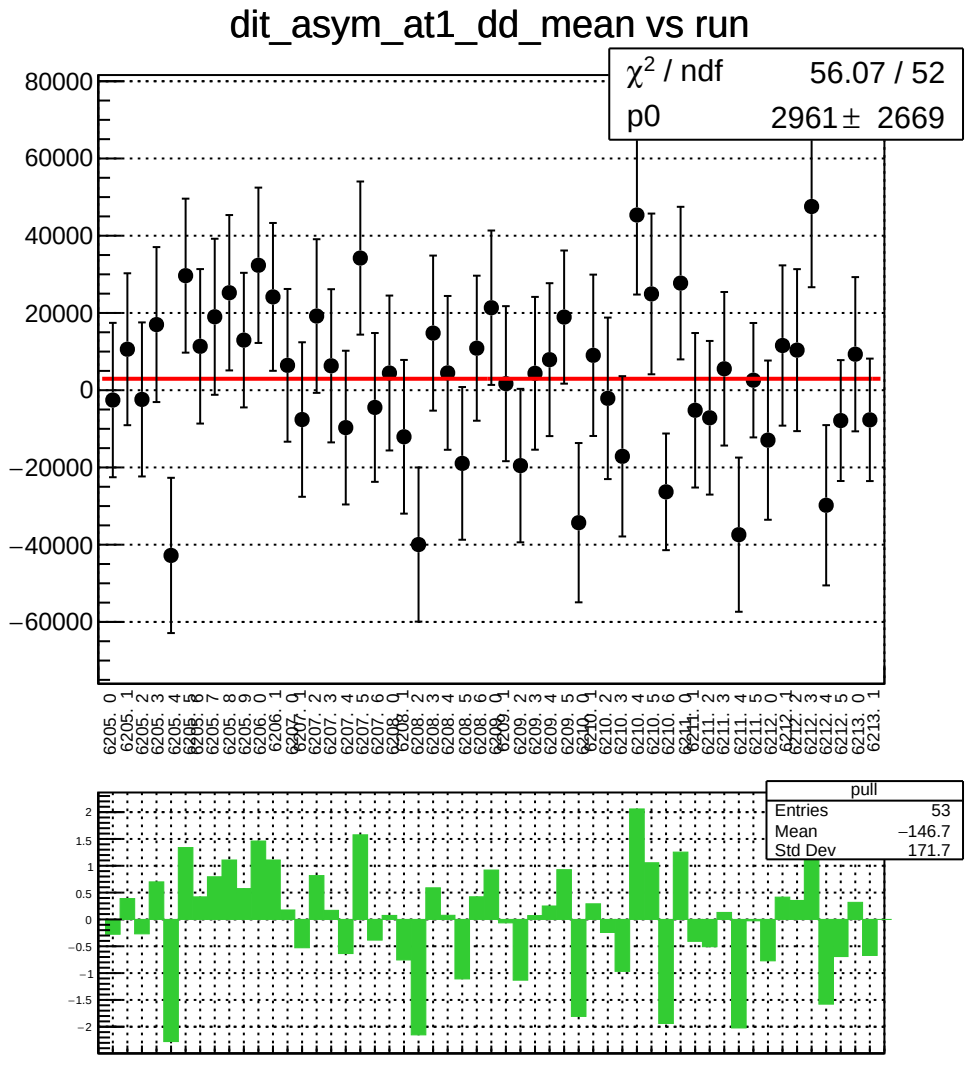

pull1D
Entries 53
Mean 0.001482
Std Dev 0.9026

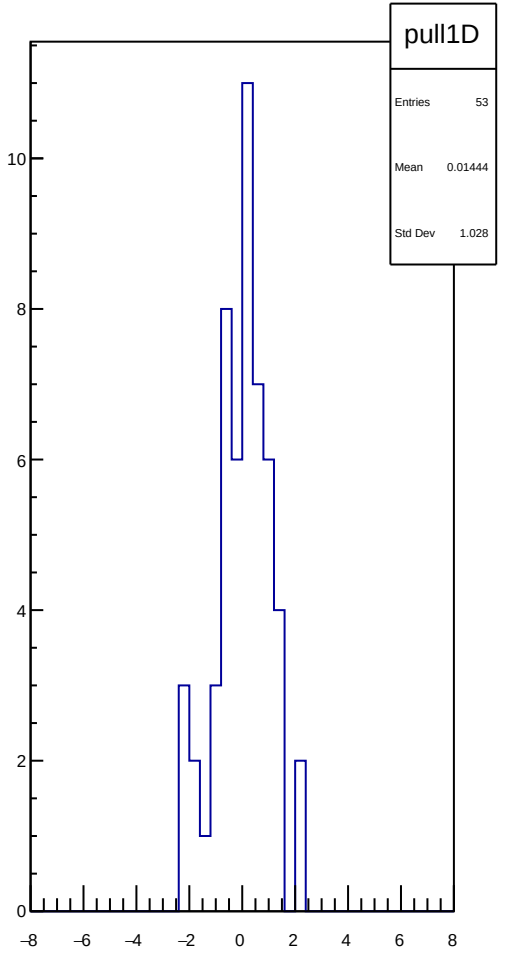

asym_at1_avg_correction_rms vs run
χ² / ndf 2399 / 52
p0 541.6 ± 0.5353
600
580
560
540
520
500
480
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 9
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

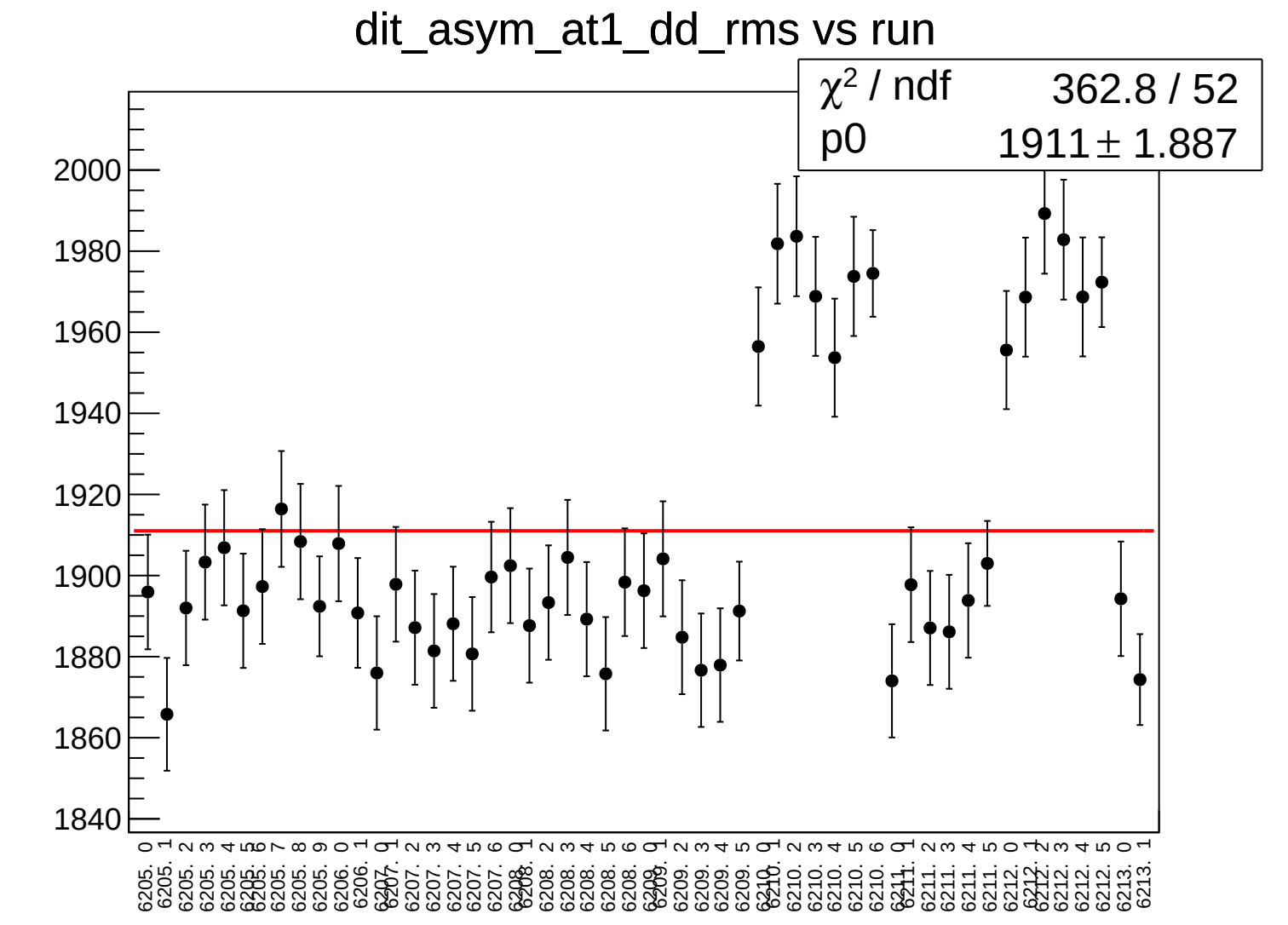

asym_at1_avg_mean vs run
χ² / ndf 58.31 / 52
p0 4821 ± 2789
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean 112.7
Std Dev 146.8
2
1
0
−1
−2

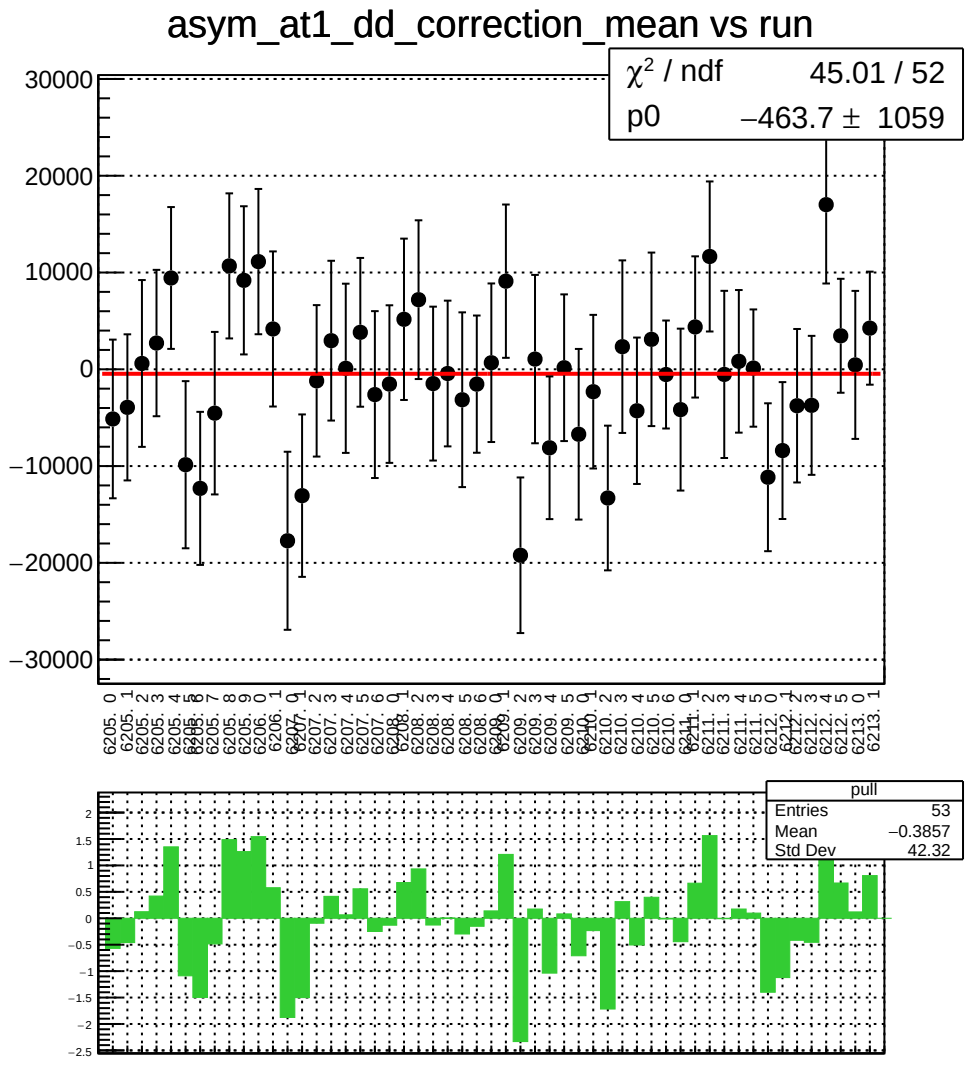

pull1D
Entries 53
Mean 0.002294
Std Dev 1.049
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

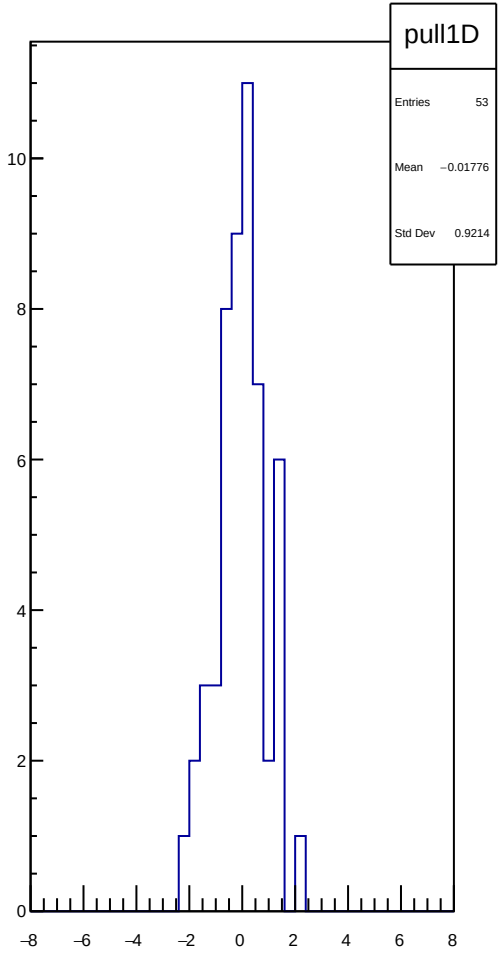

asym_at1_avg_rms vs run
$\chi^2$ / ndf 433.9 / 52
p0 1997 ± 1.972
2100
2080
2060
2040
2020
2000
1980
1960
1940
1920
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

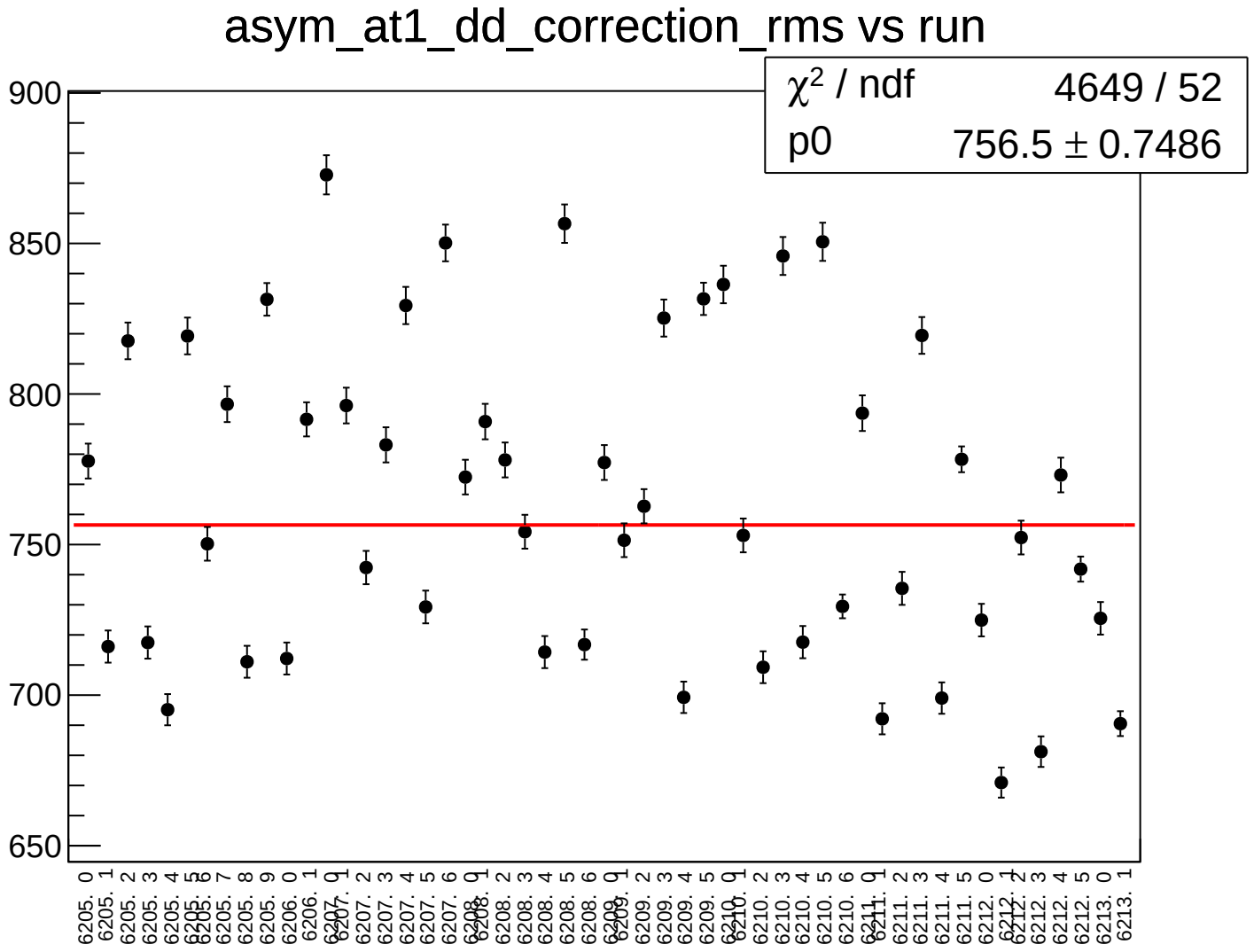

dit_asym_at1_dd_mean vs run
χ² / ndf 56.07 / 52
p0 2961 ± 2669
pull
Entries 53
Mean −146.7
Std Dev 171.7

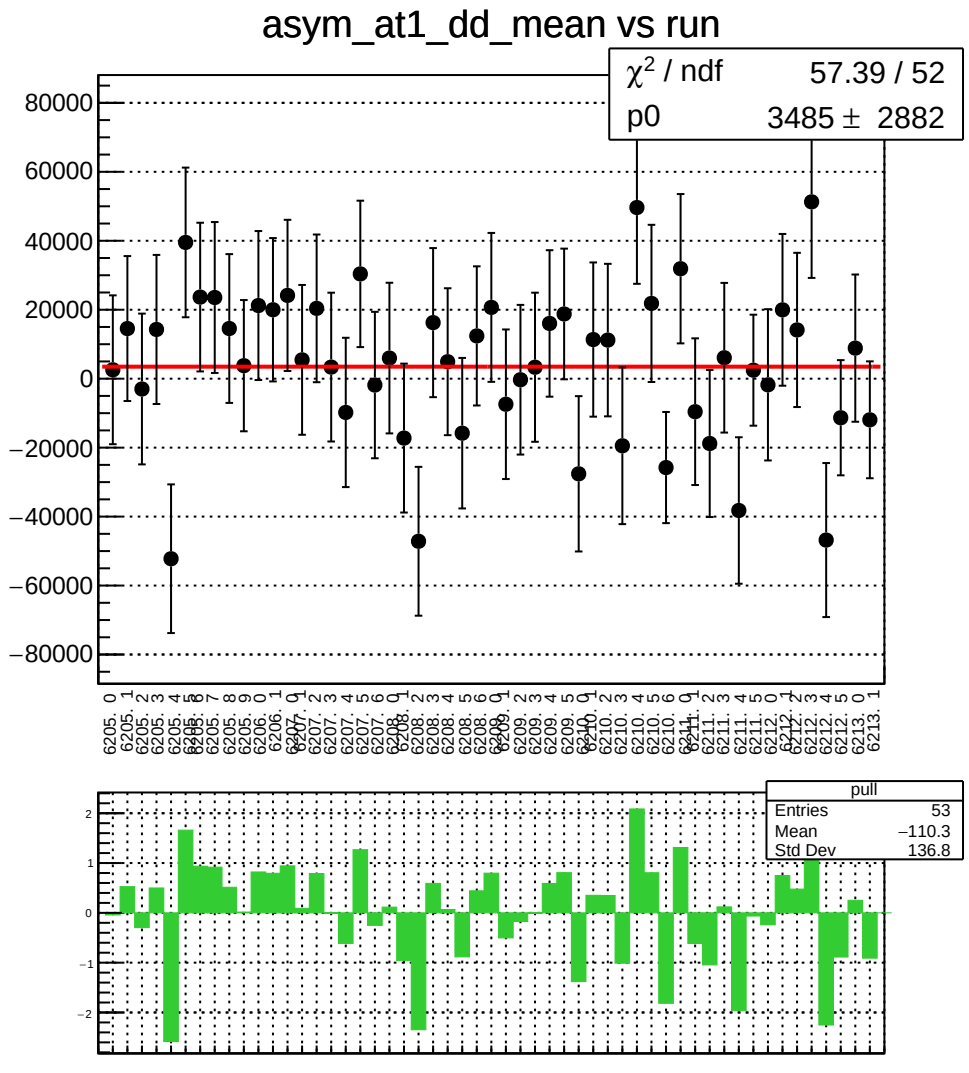

pull1D
Entries 53
Mean 0.01444
Std Dev 1.028

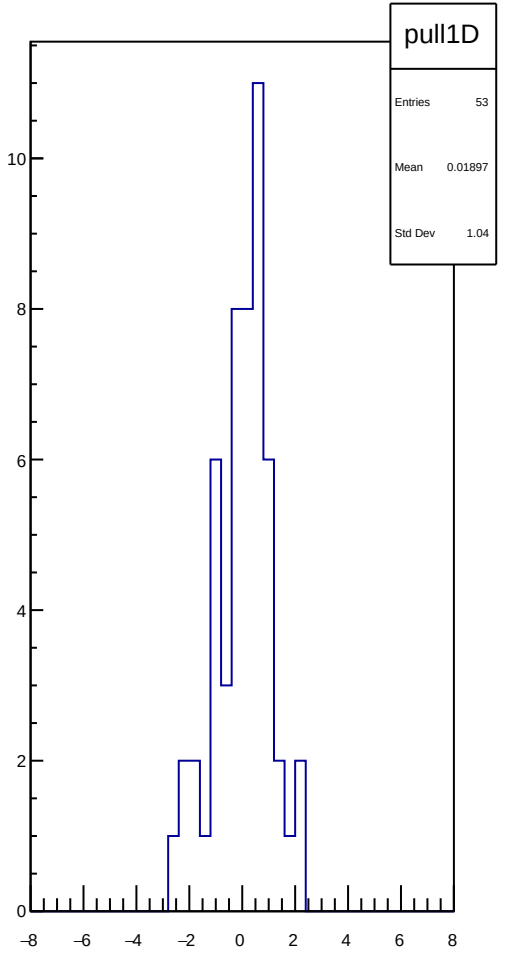

dit_asym_at1_dd_rms vs run
χ² / ndf 362.8 / 52
p0 1911 ± 1.887
2000
1980
1960
1940
1920
1900
1880
1860
1840
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

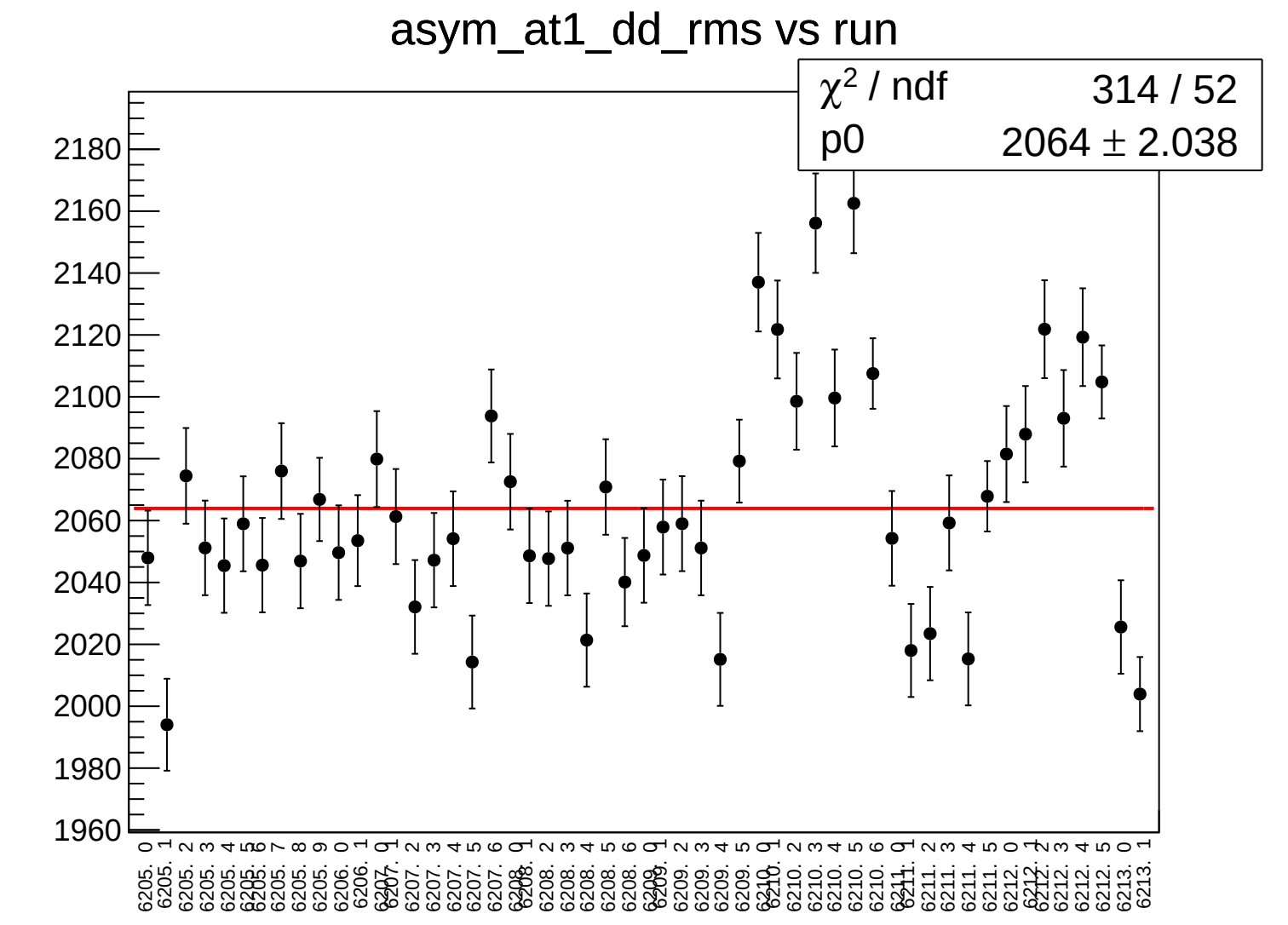

asym_at1_dd_correction_mean vs run
χ² / ndf 45.01 / 52
p0 −463.7 ± 1059
pull
Entries 53
Mean −0.3857
Std Dev 42.32

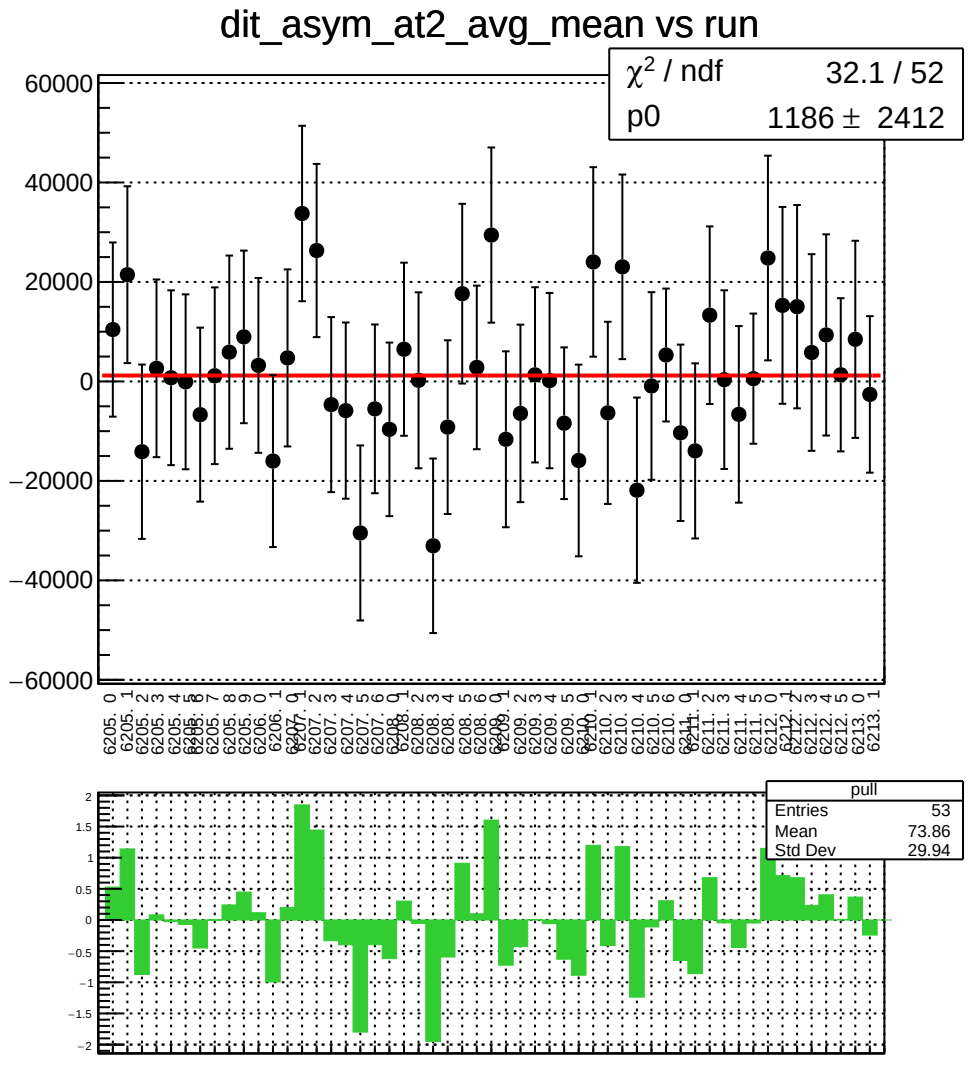

pull1D
Entries 53
Mean −0.01776
Std Dev 0.9214

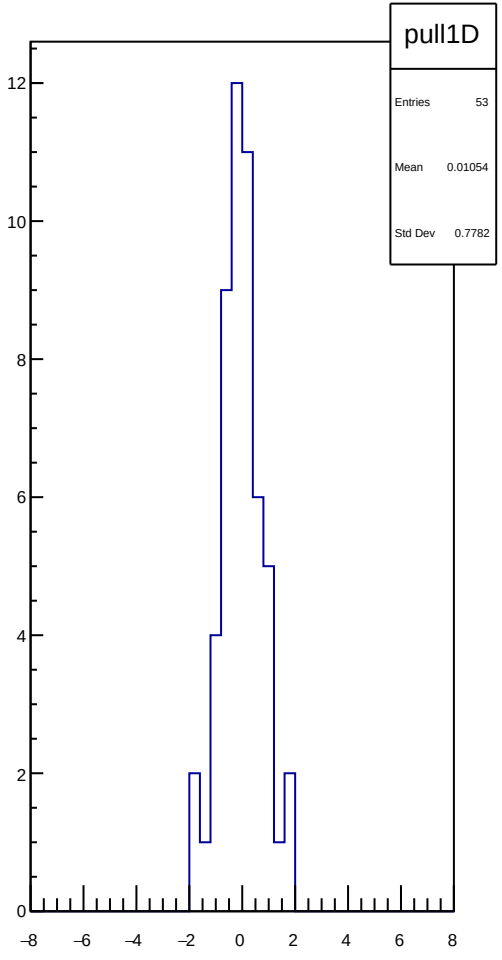

asym_at1_dd_correction_rms vs run
χ² / ndf 4649 / 52
p0 756.5 ± 0.7486
900
850
800
750
700
650
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

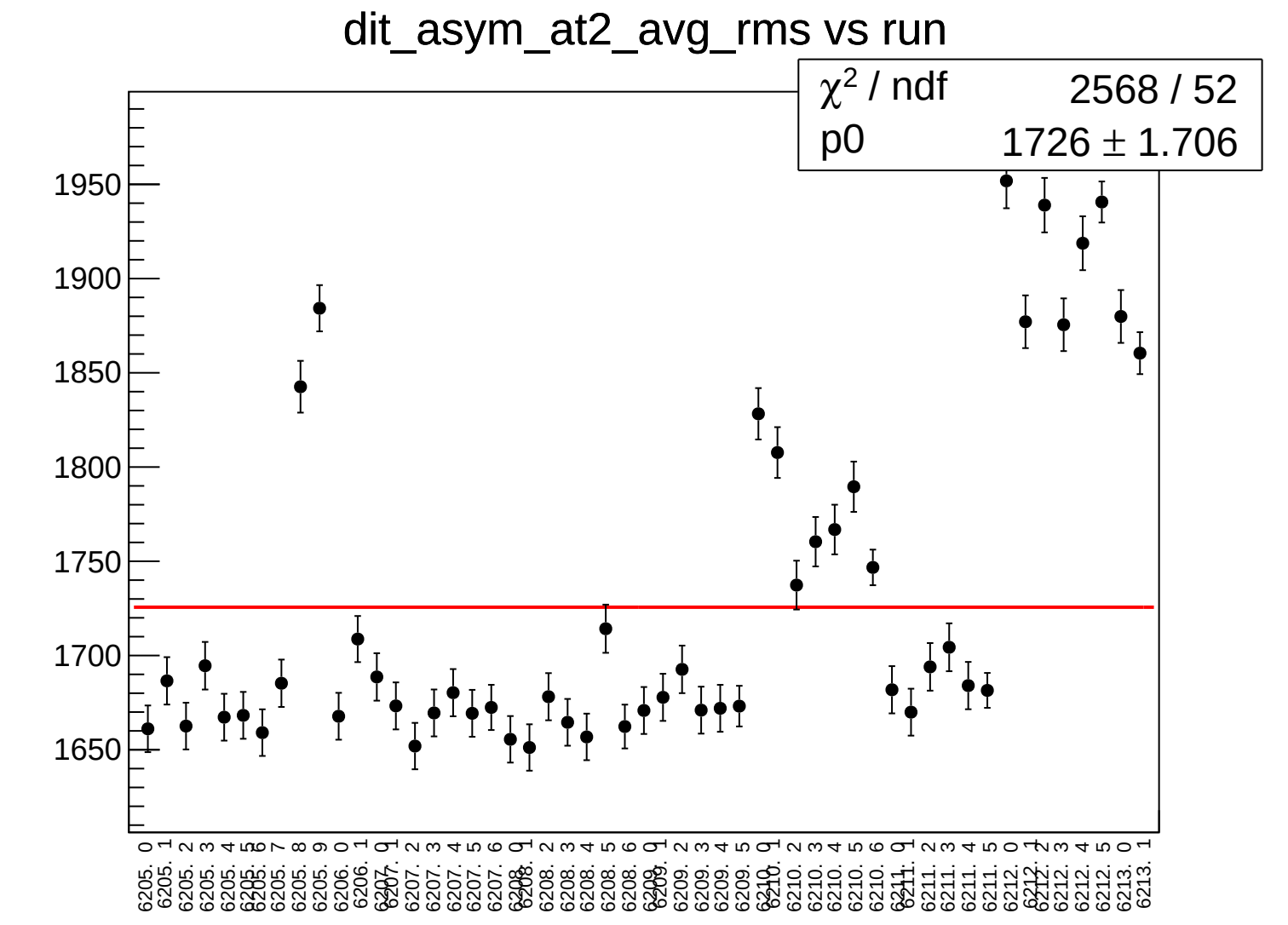

asym_at1_dd_mean vs run
χ² / ndf 57.39 / 52
p0 3485 ± 2882
pull
Entries 53
Mean −110.3
Std Dev 136.8

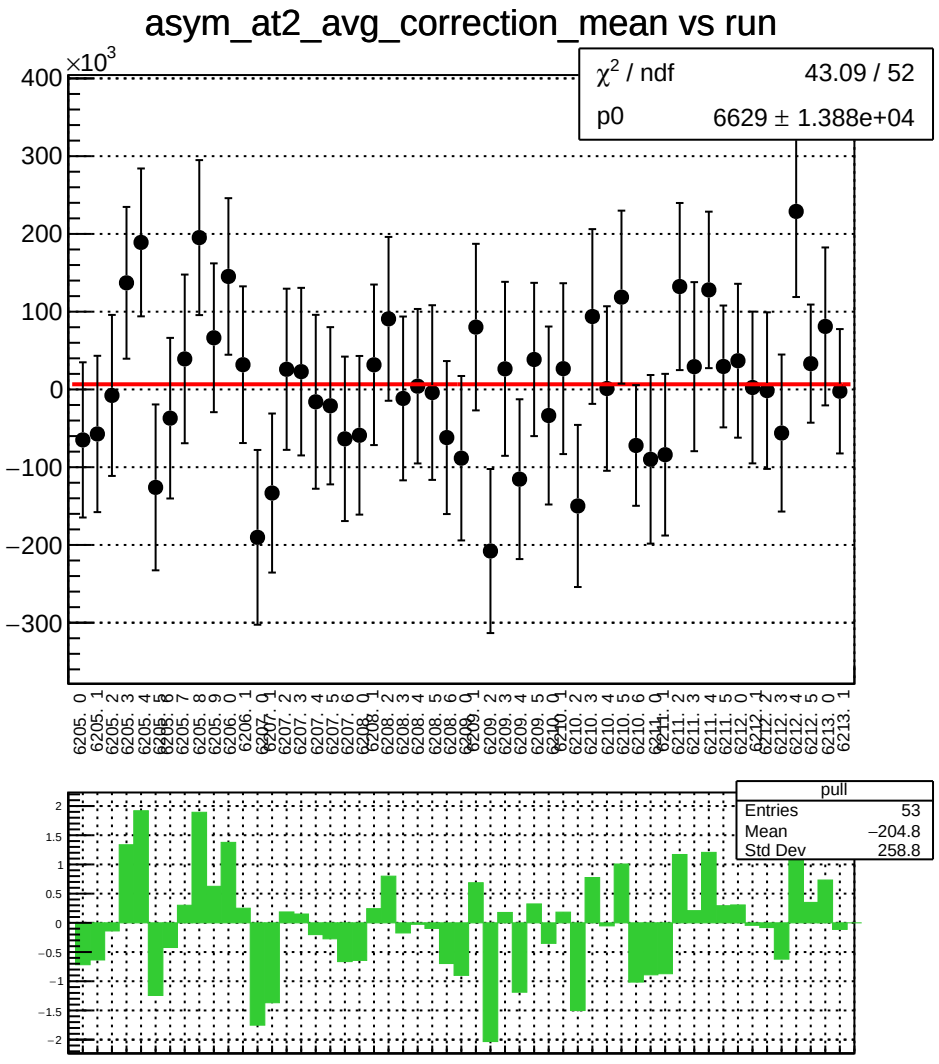

pull1D
Entries 53
Mean 0.01897
Std Dev 1.04

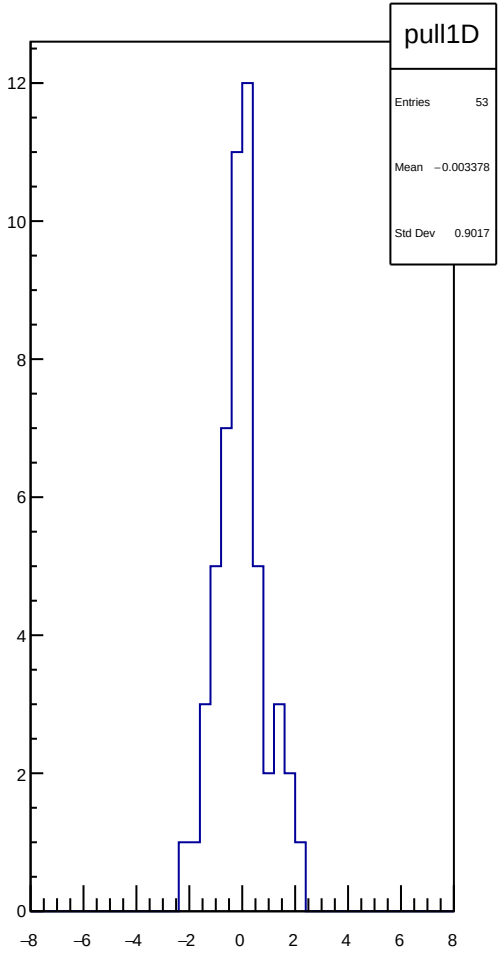

asym_at1_dd_rms vs run
χ² / ndf 314 / 52
p0 2064 ± 2.038
2180
2160
2140
2120
2100
2080
2060
2040
2020
2000
1980
1960
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

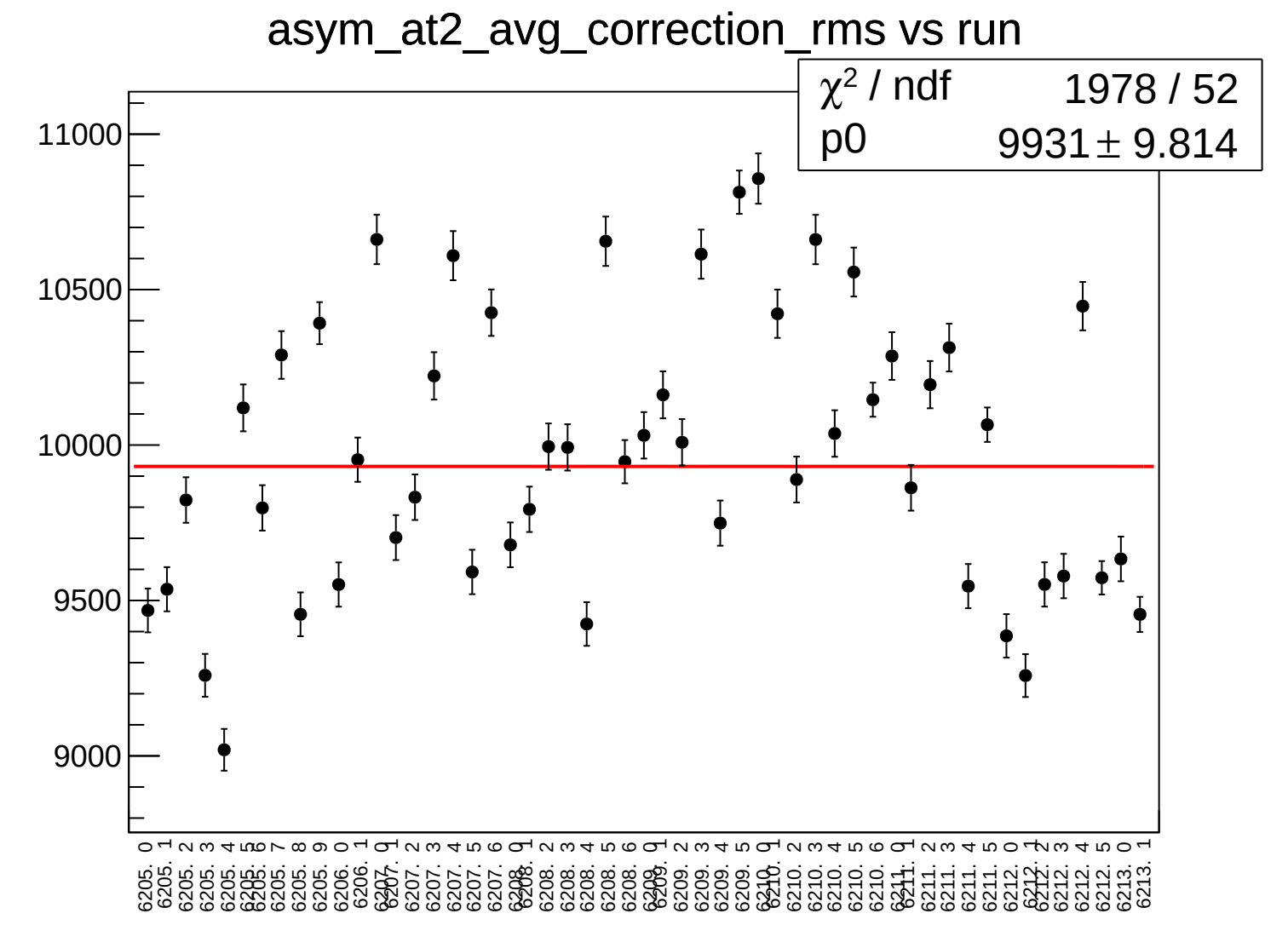

dit_asym_at2_avg_mean vs run
χ² / ndf 32.1 / 52
p0 1186 ± 2412
pull
Entries 53
Mean 73.86
Std Dev 29.94

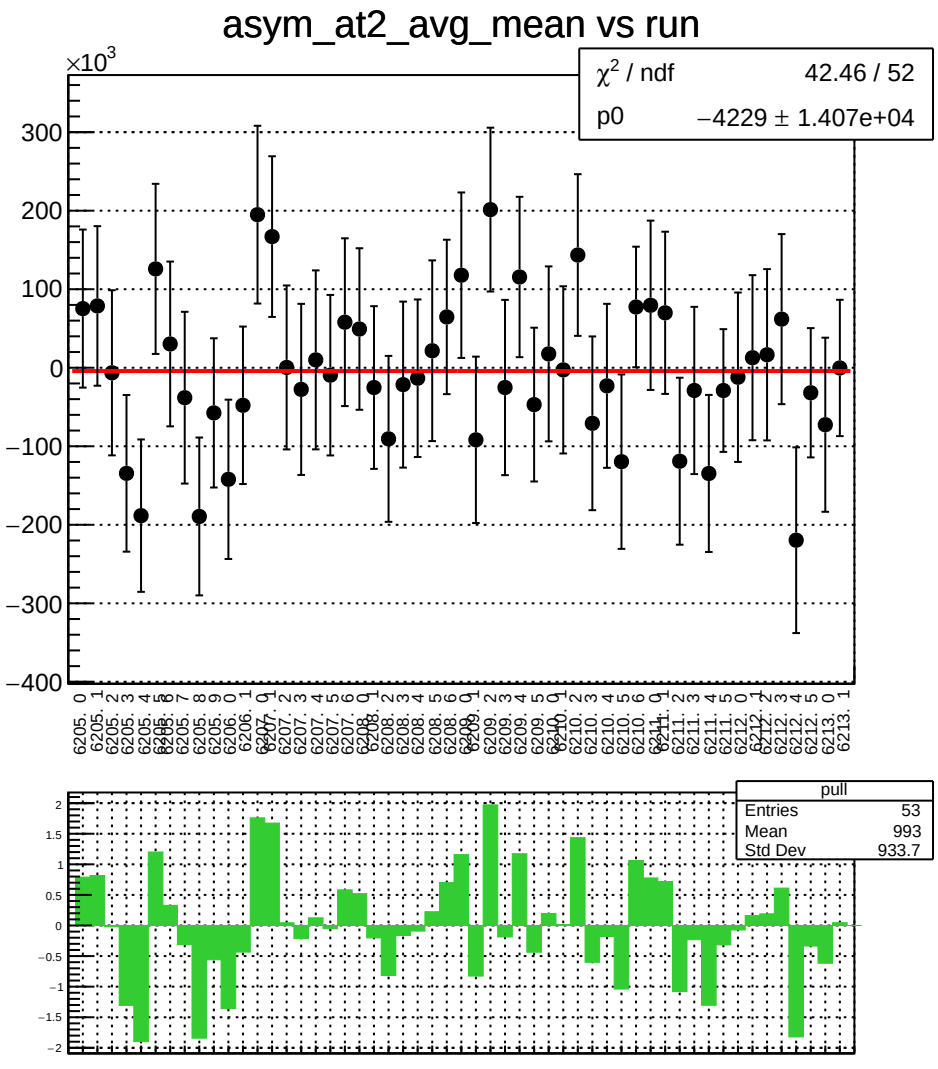

pull1D
Entries 53
Mean 0.01054
Std Dev 0.7782

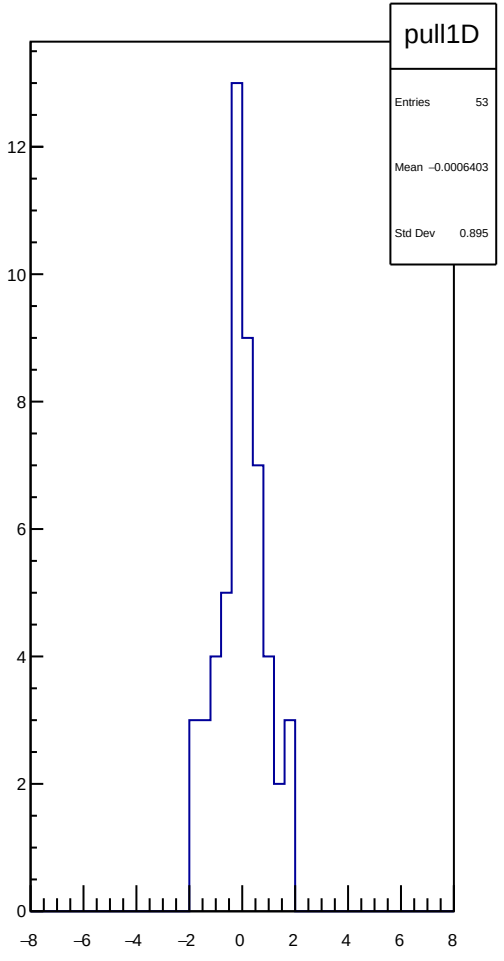

dit_asym_at2_avg_rms vs run
$\chi^2$ / ndf 2568 / 52
p0 1726 ± 1.706
1950
1900
1850
1800
1750
1700
1650
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 9
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

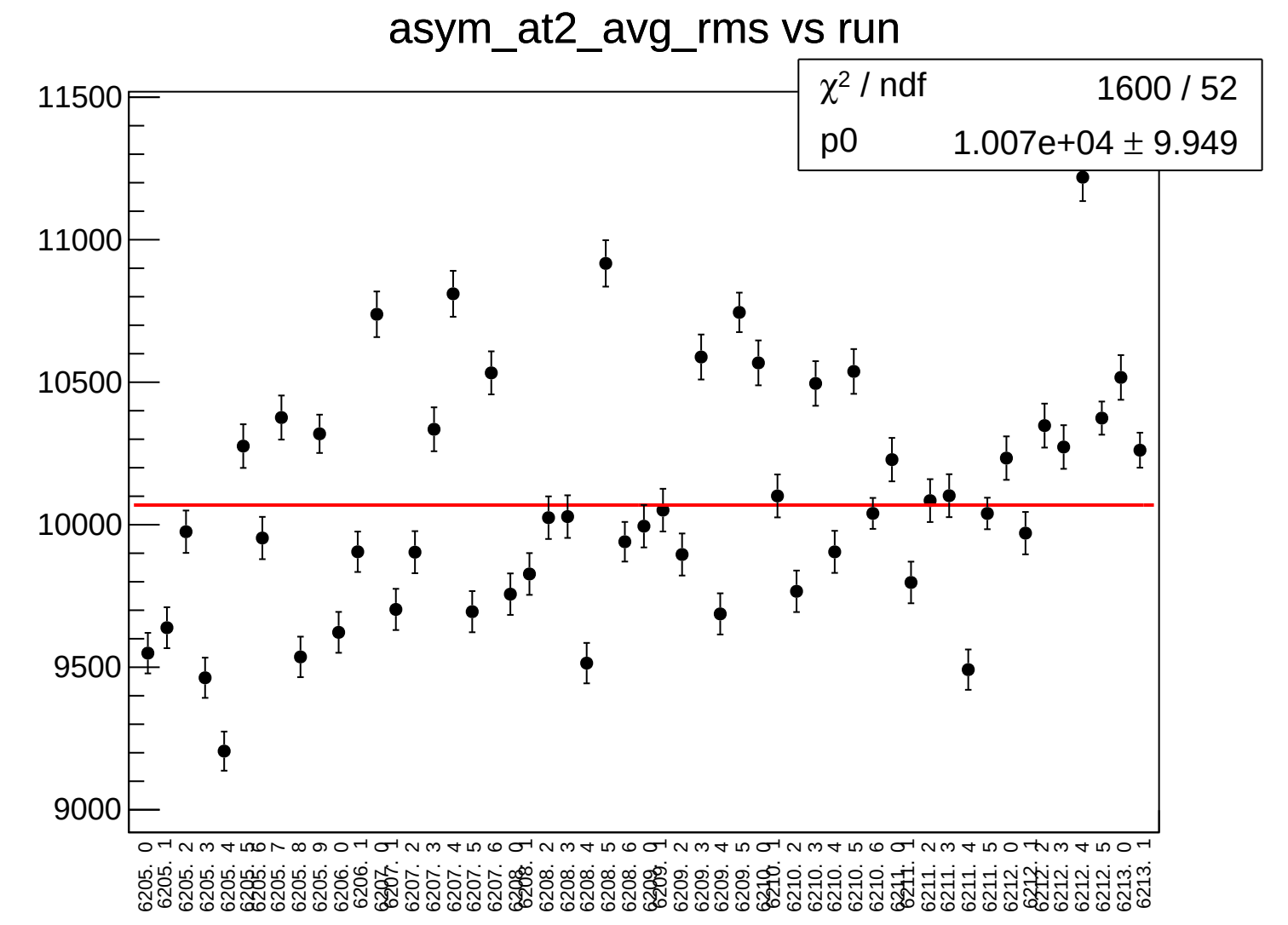

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 43.09 / 52
p0 6629 ± 1.388e+04
pull
Entries 53
Mean −204.8
Std Dev 258.8

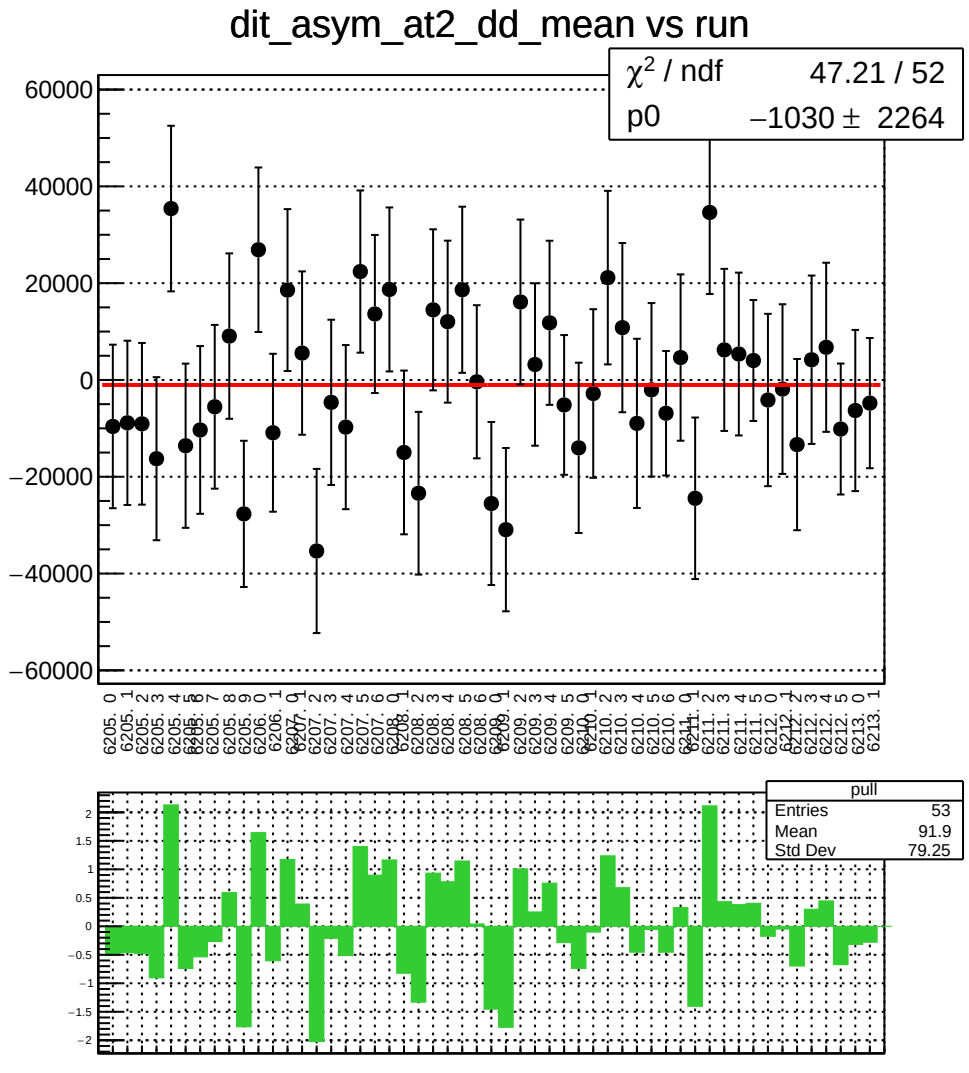

pull1D
Entries 53
Mean −0.003378
Std Dev 0.9017

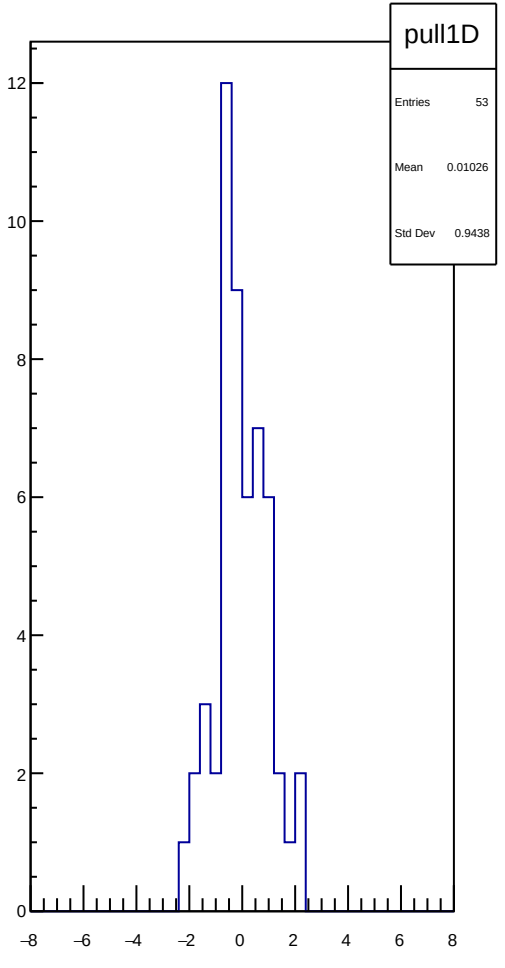

asym_at2_avg_correction_rms vs run
χ² / ndf 1978 / 52
p0 9931 ± 9.814
11000
10500
10000
9500
9000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6206. 2
6206. 3
6206. 4
6206. 5
6206. 6
6206. 7
6206. 8
6206. 9
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6207. 7
6207. 8
6207. 9
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 7
6208. 8
6208. 9
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6209. 6
6209. 7
6209. 8
6209. 9
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6210. 7
6210. 8
6210. 9
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6211. 6
6211. 7
6211. 8
6211. 9
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6212. 6
6212. 7
6212. 8
6212. 9
6213. 0
6213. 1

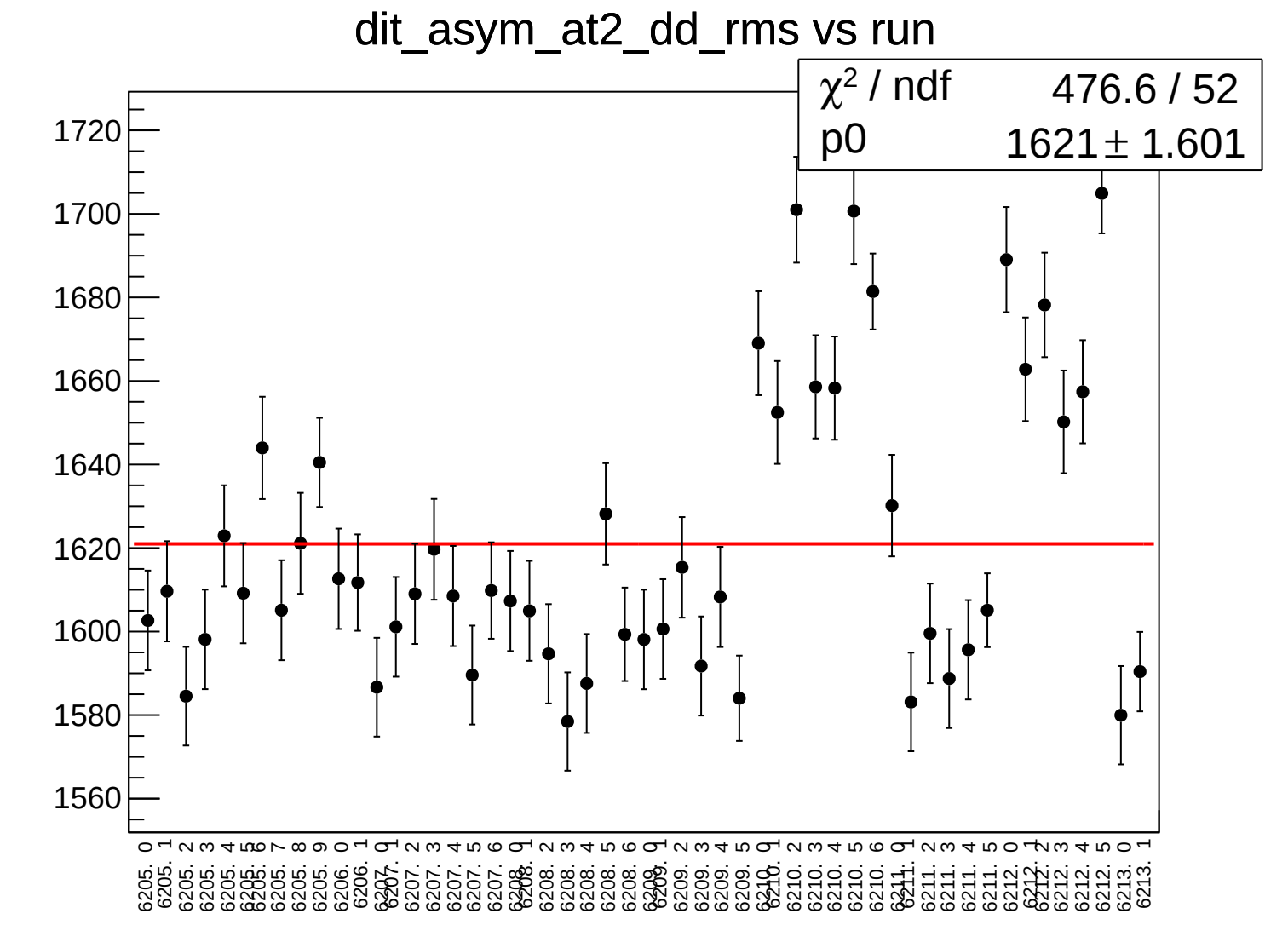

asym_at2_avg_mean vs run
×10^3
χ² / ndf 42.46 / 52
p0 −4229 ± 1.407e+04
300
200
100
0
−100
−200
−300
−400
pull
Entries 53
Mean 993
Std Dev 933.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

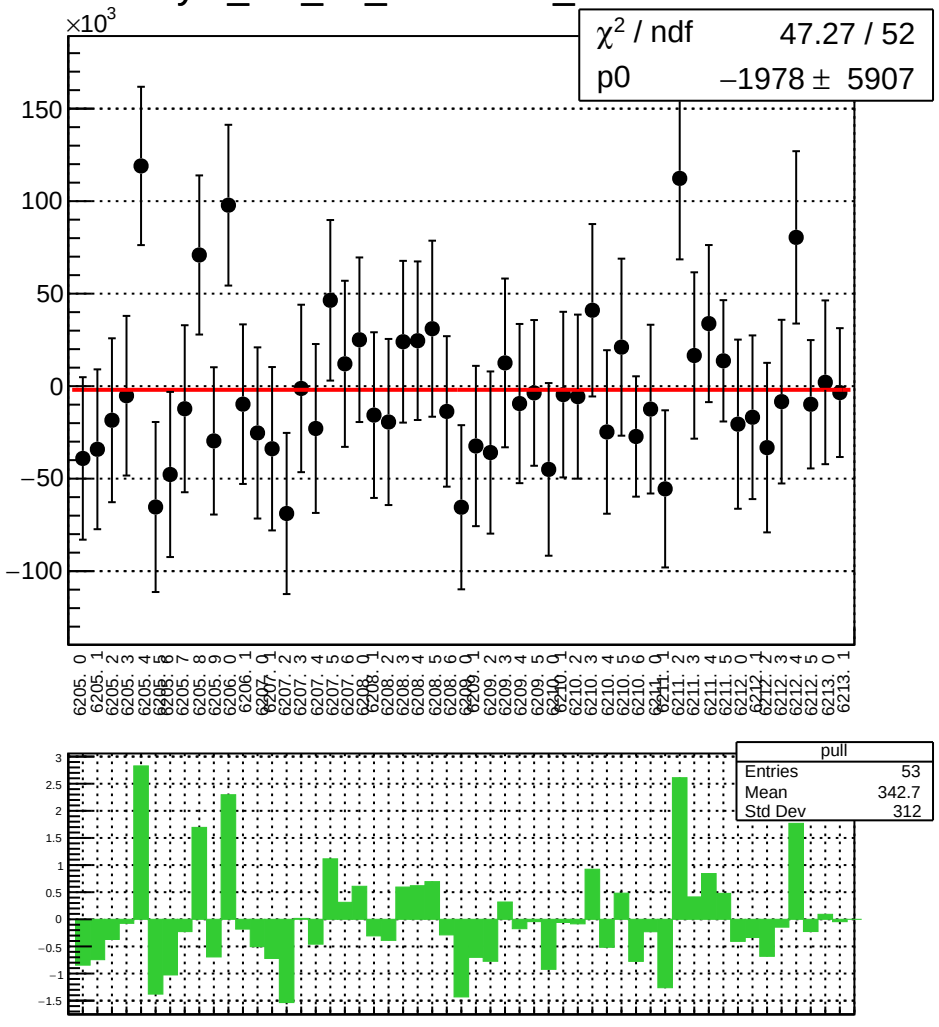

pull1D
Entries 53
Mean −0.0006403
Std Dev 0.895
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

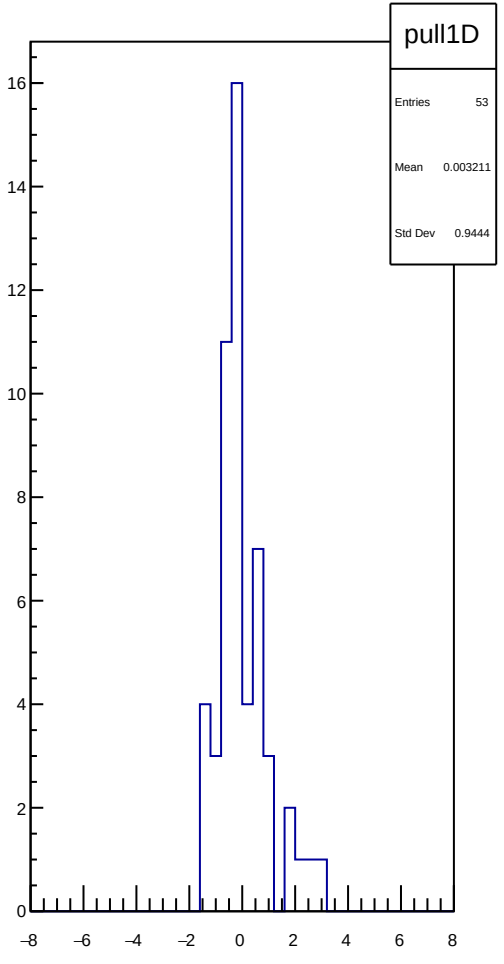

asym_at2_avg_rms vs run
χ² / ndf 1600 / 52
p0 1.007e+04 ± 9.949
11500
11000
10500
10000
9500
9000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

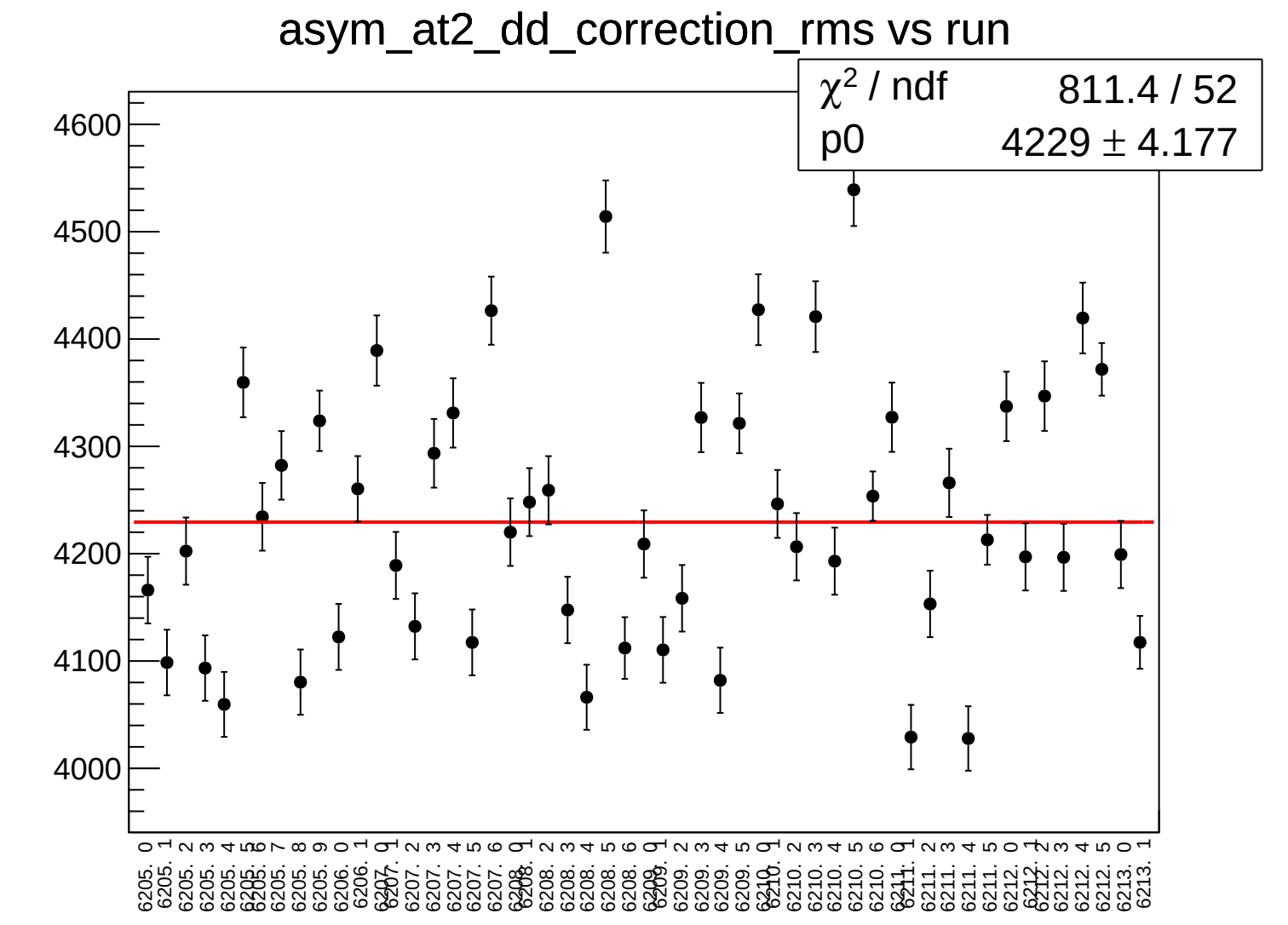

dit_asym_at2_dd_mean vs run
$\chi^2$ / ndf 47.21 / 52
p0 −1030 ± 2264
pull
Entries 53
Mean 91.9
Std Dev 79.25

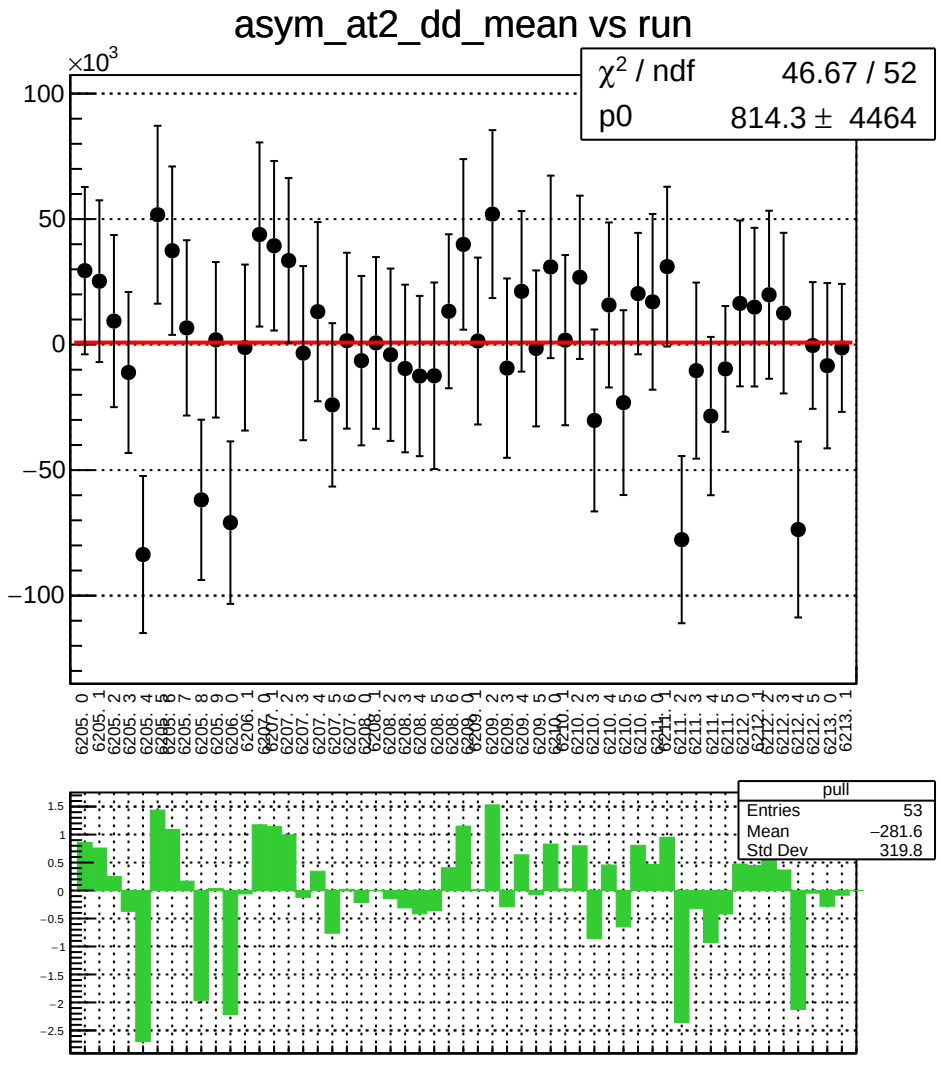

pull1D
Entries 53
Mean 0.01026
Std Dev 0.9438

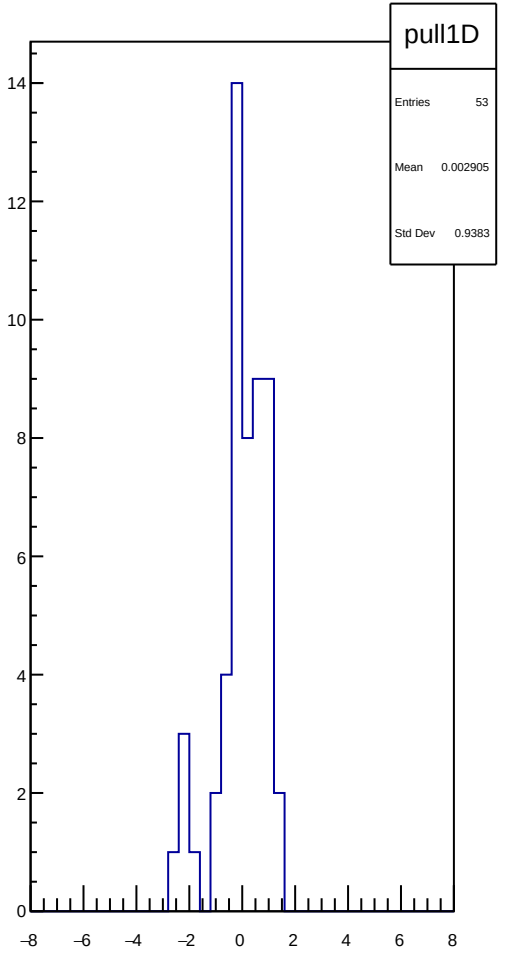

dit_asym_at2_dd_rms vs run
χ² / ndf 476.6 / 52
p0 1621 ± 1.601
1720
1700
1680
1660
1640
1620
1600
1580
1560
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

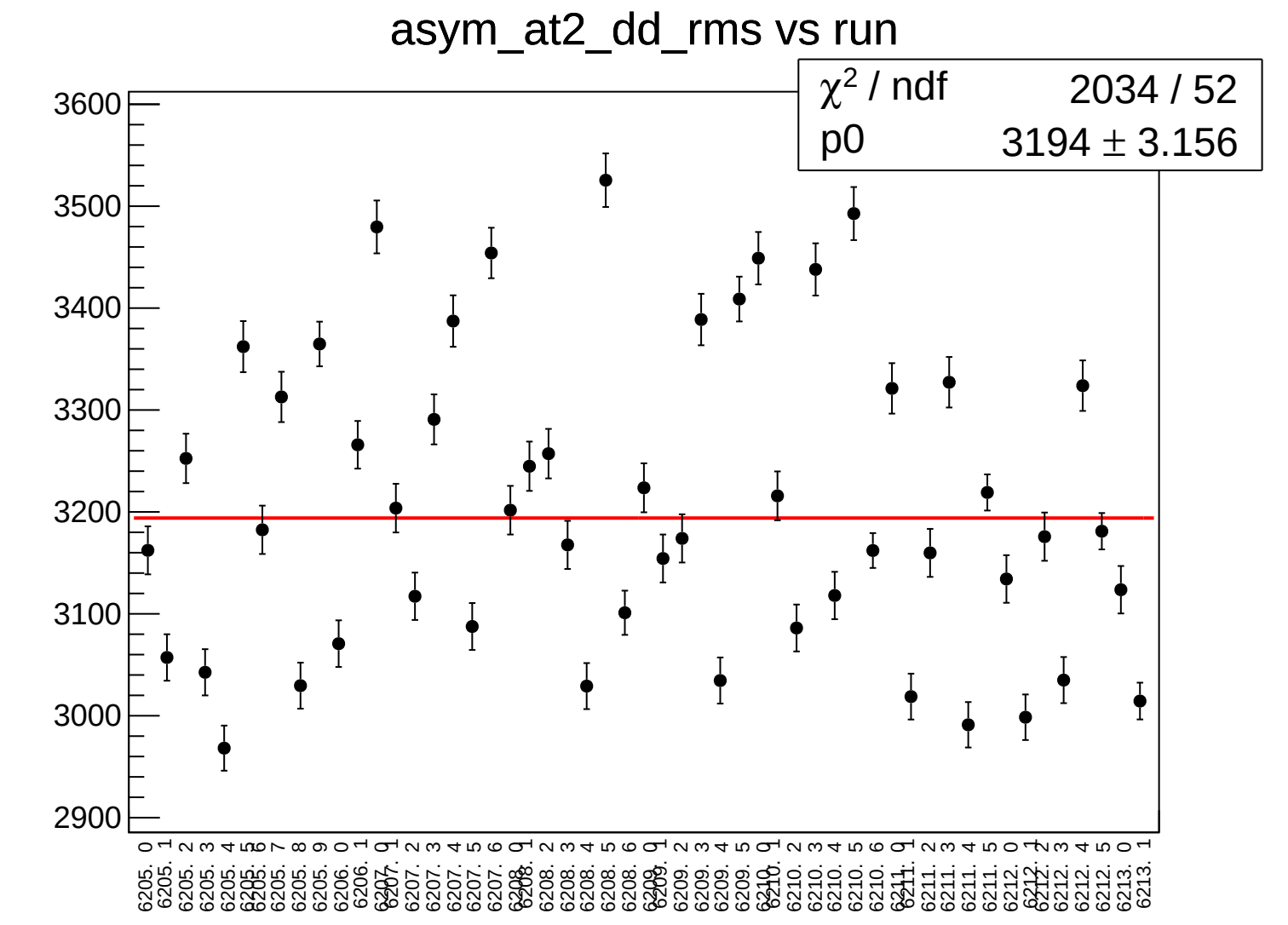

asym_at2_dd_correction_mean vs run
χ² / ndf 47.27 / 52
p0 −1978 ± 5907
×10³
pull
Entries 53
Mean 342.7
Std Dev 312

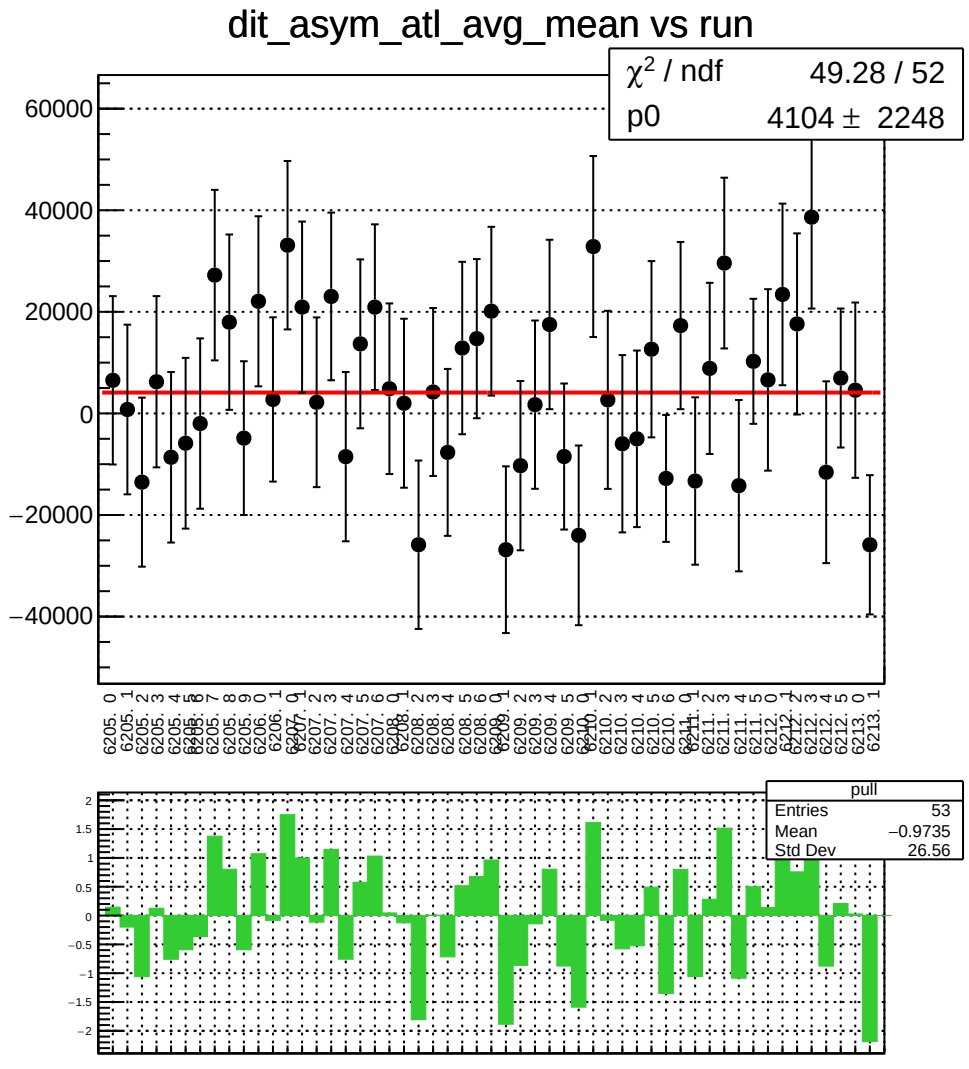

pull1D
Entries 53
Mean 0.003211
Std Dev 0.9444

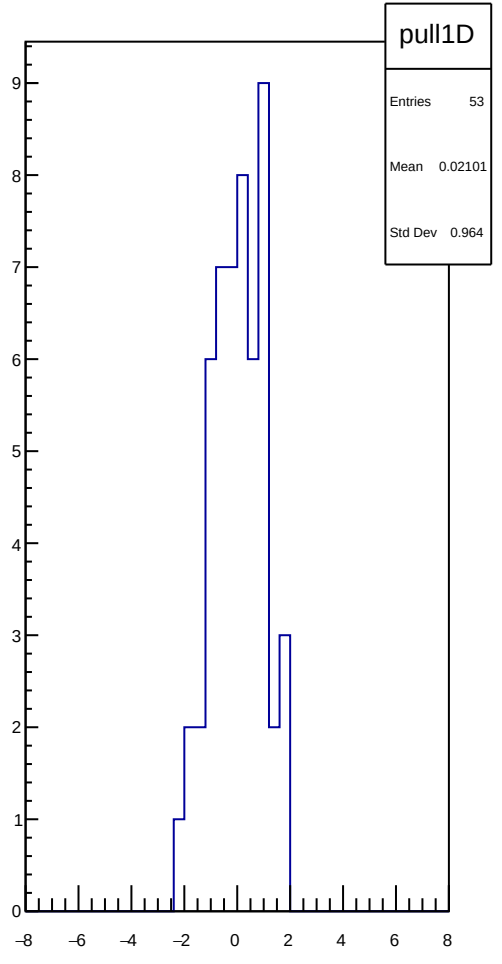

asym_at2_dd_correction_rms vs run
χ² / ndf 811.4 / 52
p0 4229 ± 4.177
4600
4500
4400
4300
4200
4100
4000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6206. 2
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 7
6208. 8
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

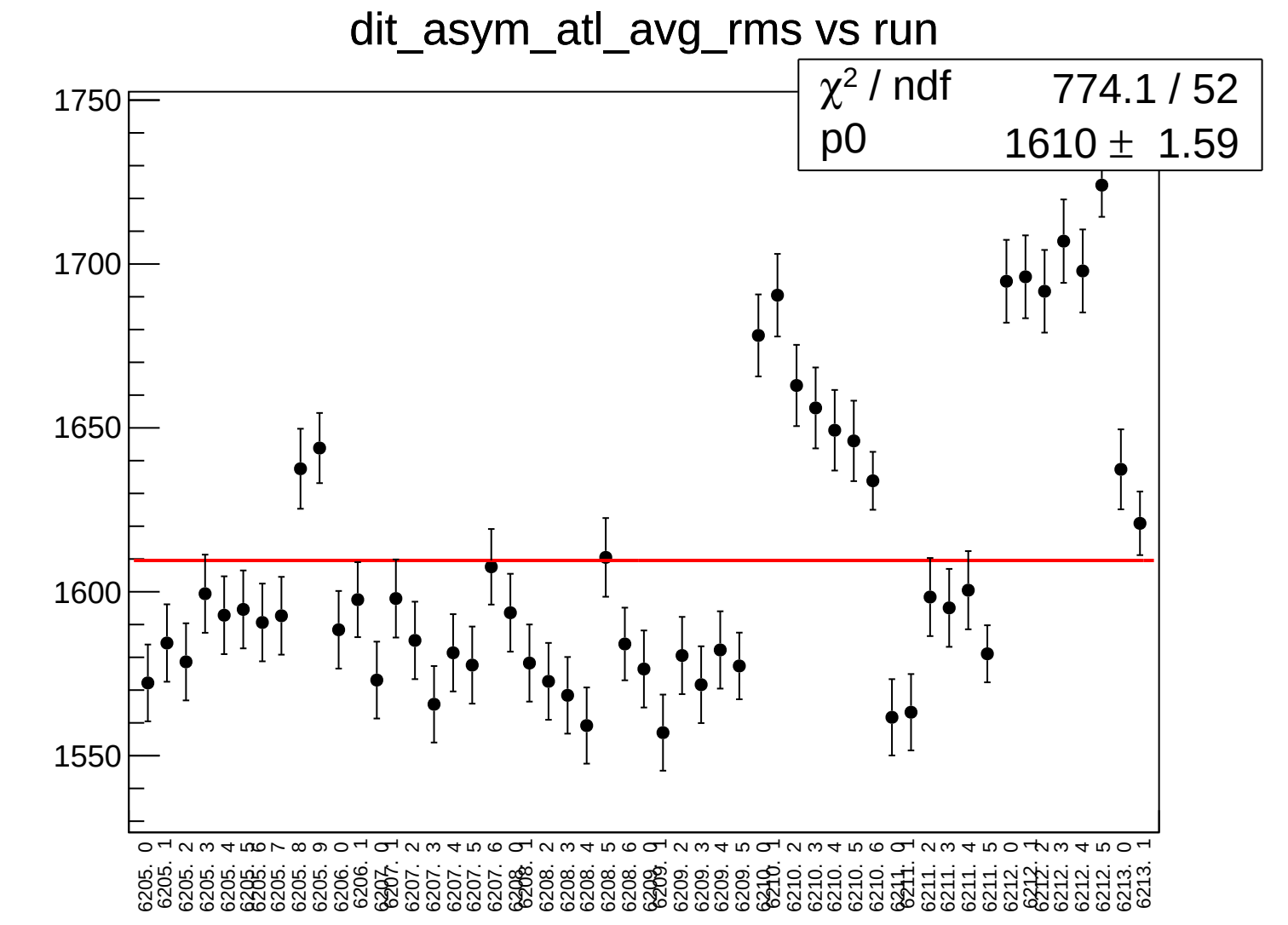

asym_at2_dd_mean vs run
×10^3
χ² / ndf 46.67 / 52
p0 814.3 ± 4464
100
50
0
−50
−100
pull
Entries 53
Mean −281.6
Std Dev 319.8
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

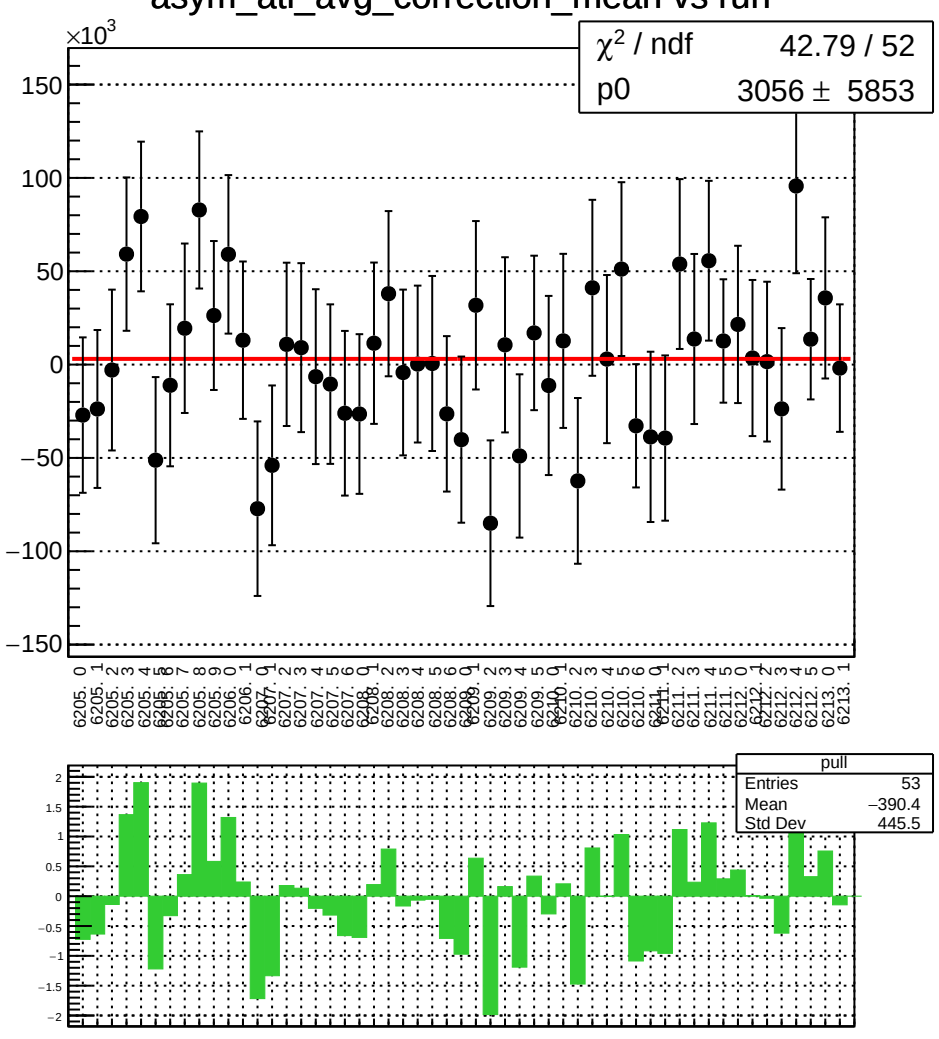

pull1D
Entries 53
Mean 0.002905
Std Dev 0.9383
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

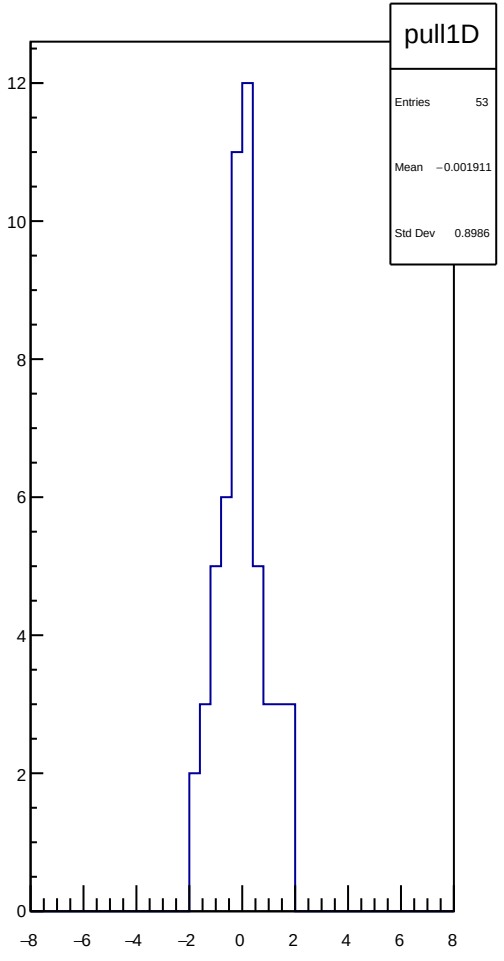

asym_at2_dd_rms vs run
χ² / ndf 2034 / 52
p0 3194 ± 3.156
3600
3500
3400
3300
3200
3100
3000
2900
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

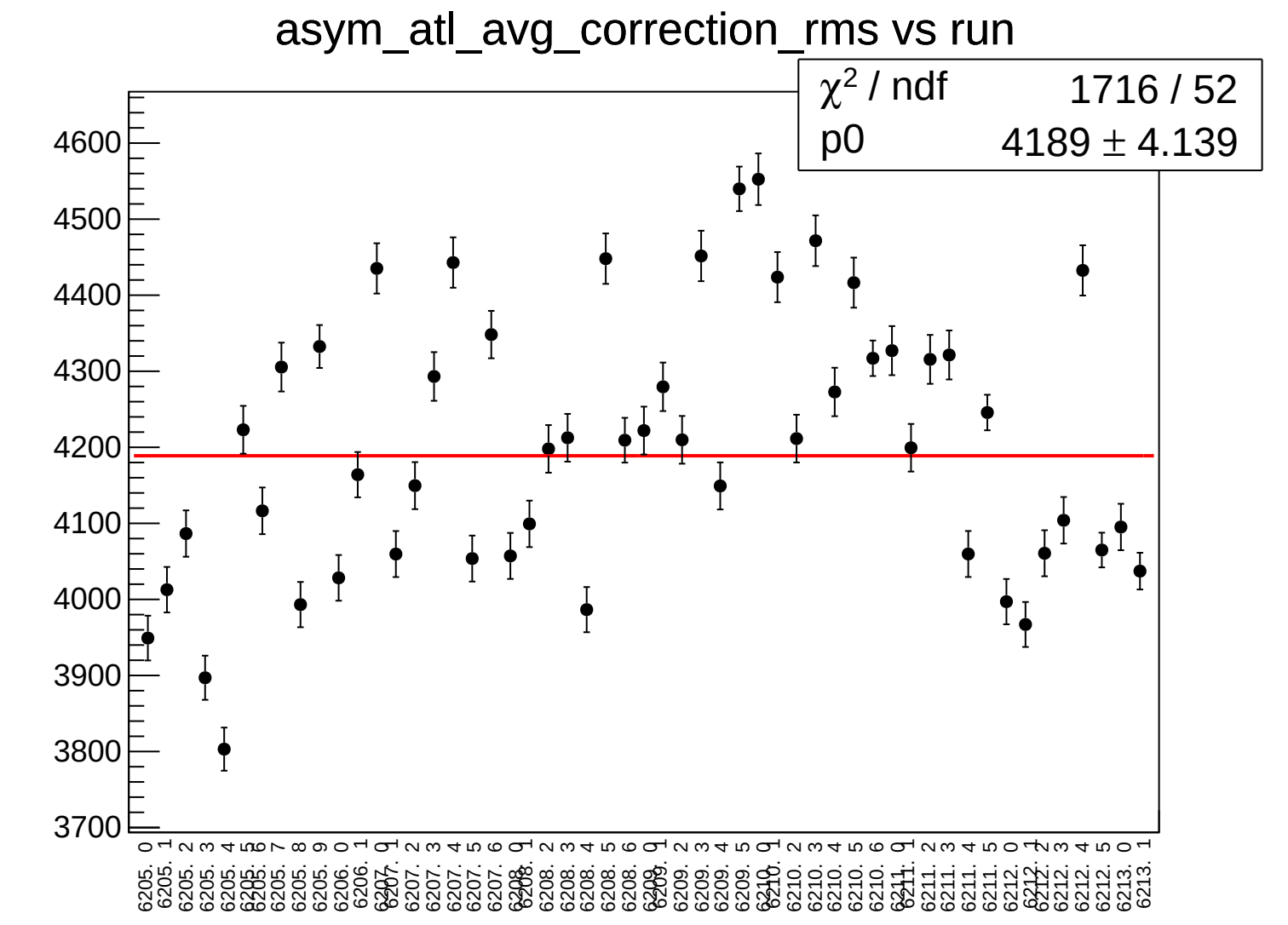

dit_asym_atl_avg_mean vs run
χ² / ndf 49.28 / 52
p0 4104 ± 2248
pull
Entries 53
Mean −0.9735
Std Dev 26.56

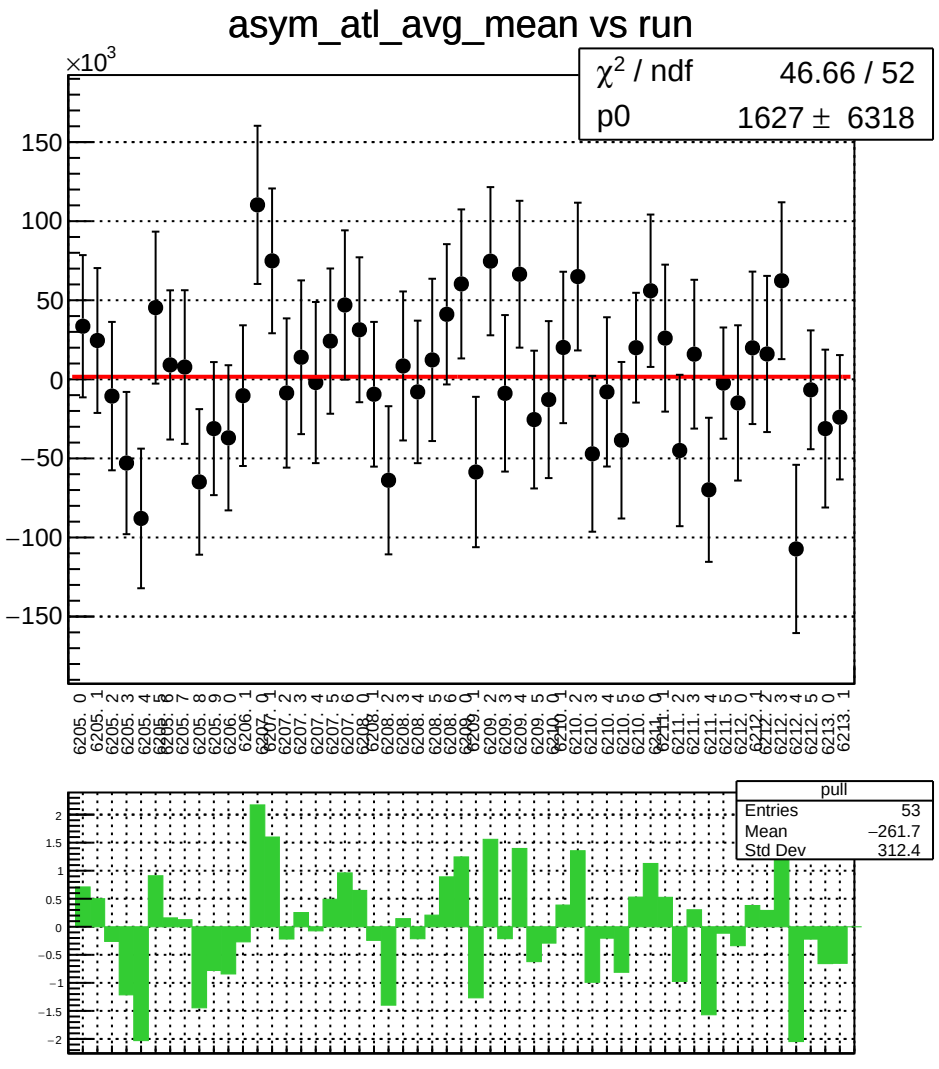

pull1D
Entries 53
Mean 0.02101
Std Dev 0.964

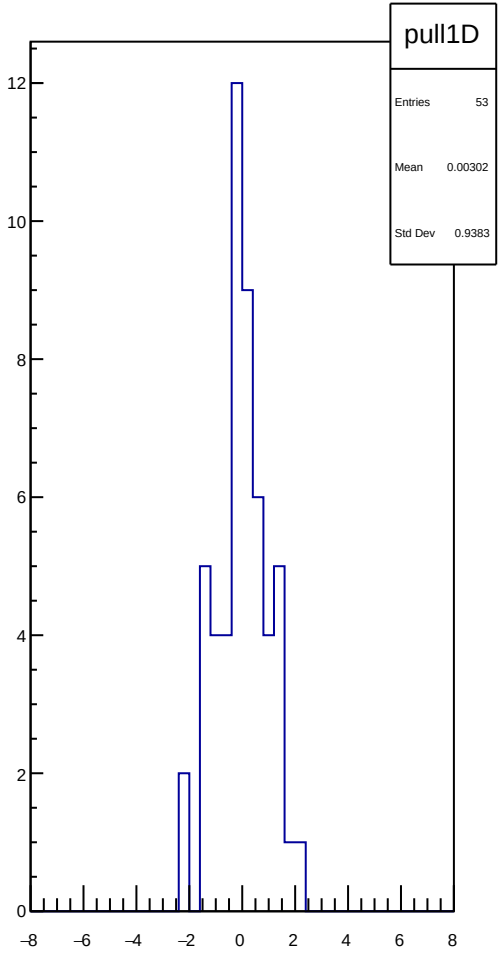

dit_asym_atl_avg_rms vs run
χ² / ndf 774.1 / 52
p0 1610 ± 1.59
1750
1700
1650
1600
1550
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

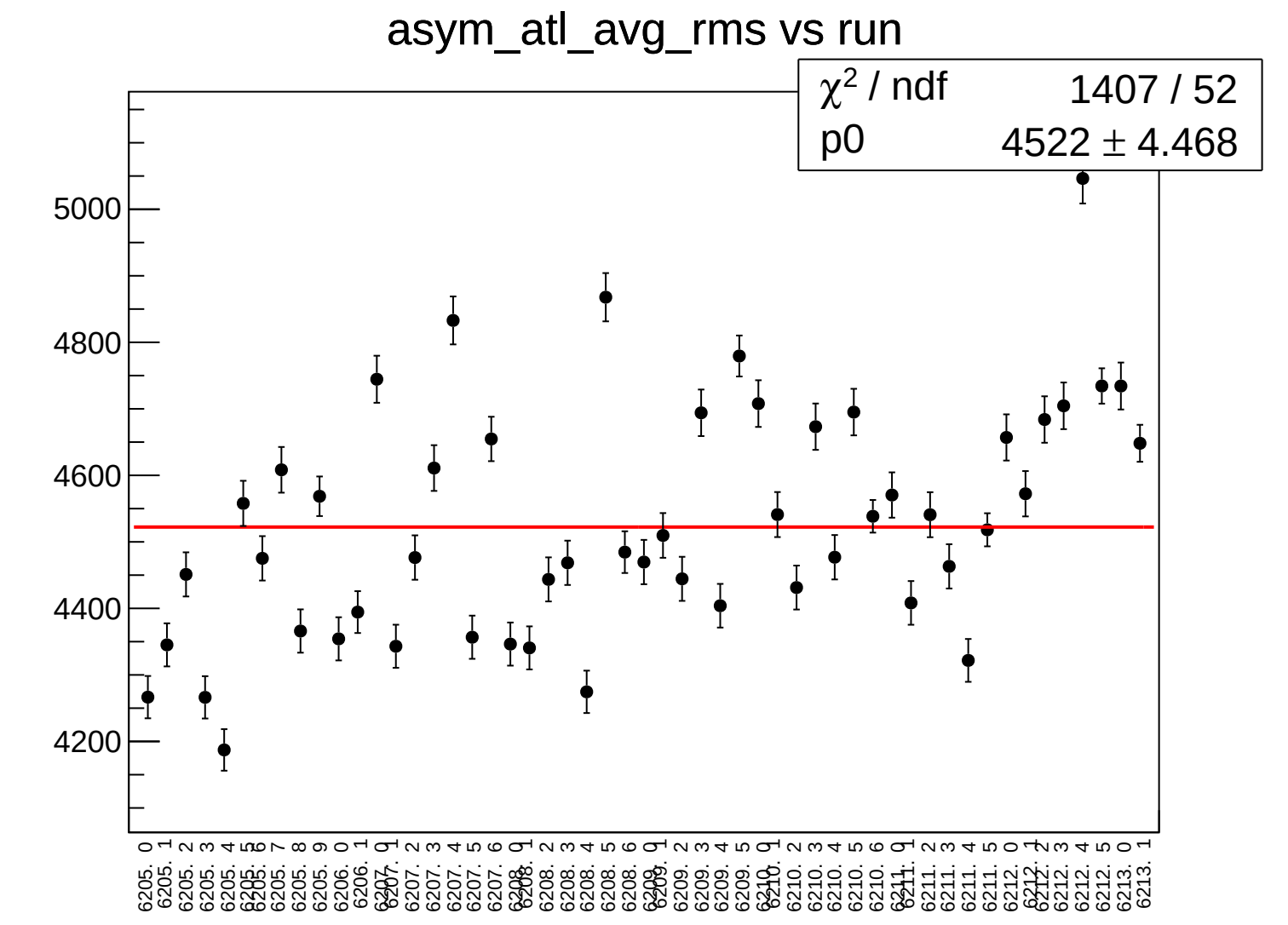

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 42.79 / 52
p0 3056 ± 5853
150
100
50
0
−50
−100
−150
pull
Entries 53
Mean −390.4
Std Dev 445.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

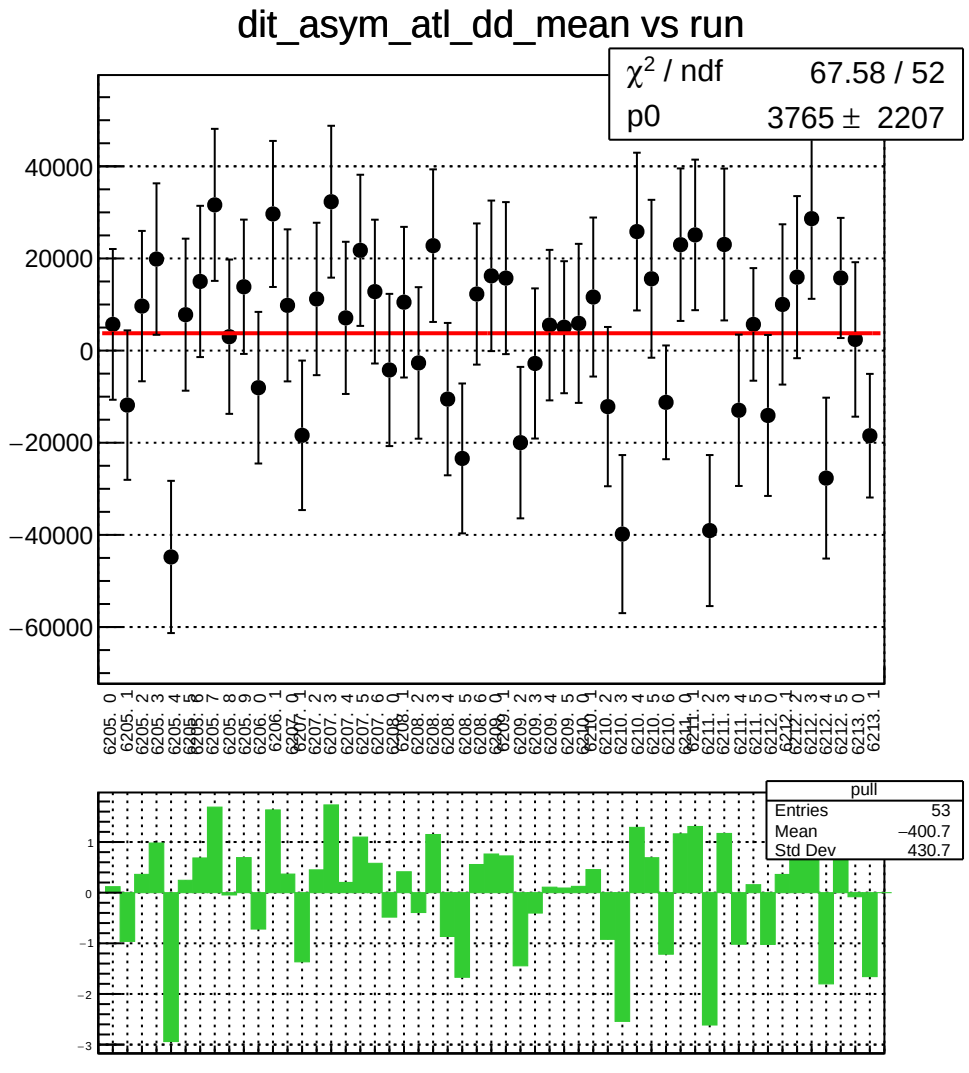

pull1D
Entries 53
Mean −0.001911
Std Dev 0.8986
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

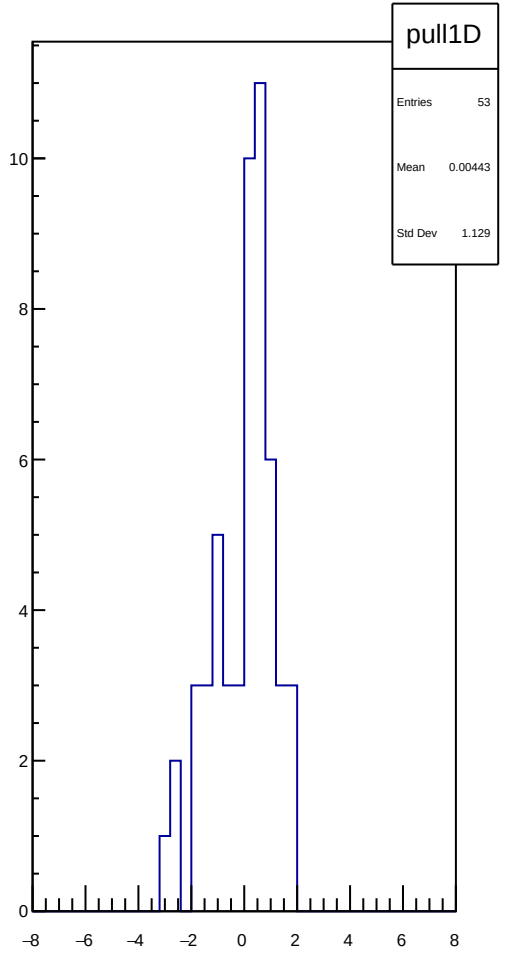

asym_atl_avg_correction_rms vs run
χ² / ndf 1716 / 52
p0 4189 ± 4.139
4600
4500
4400
4300
4200
4100
4000
3900
3800
3700
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

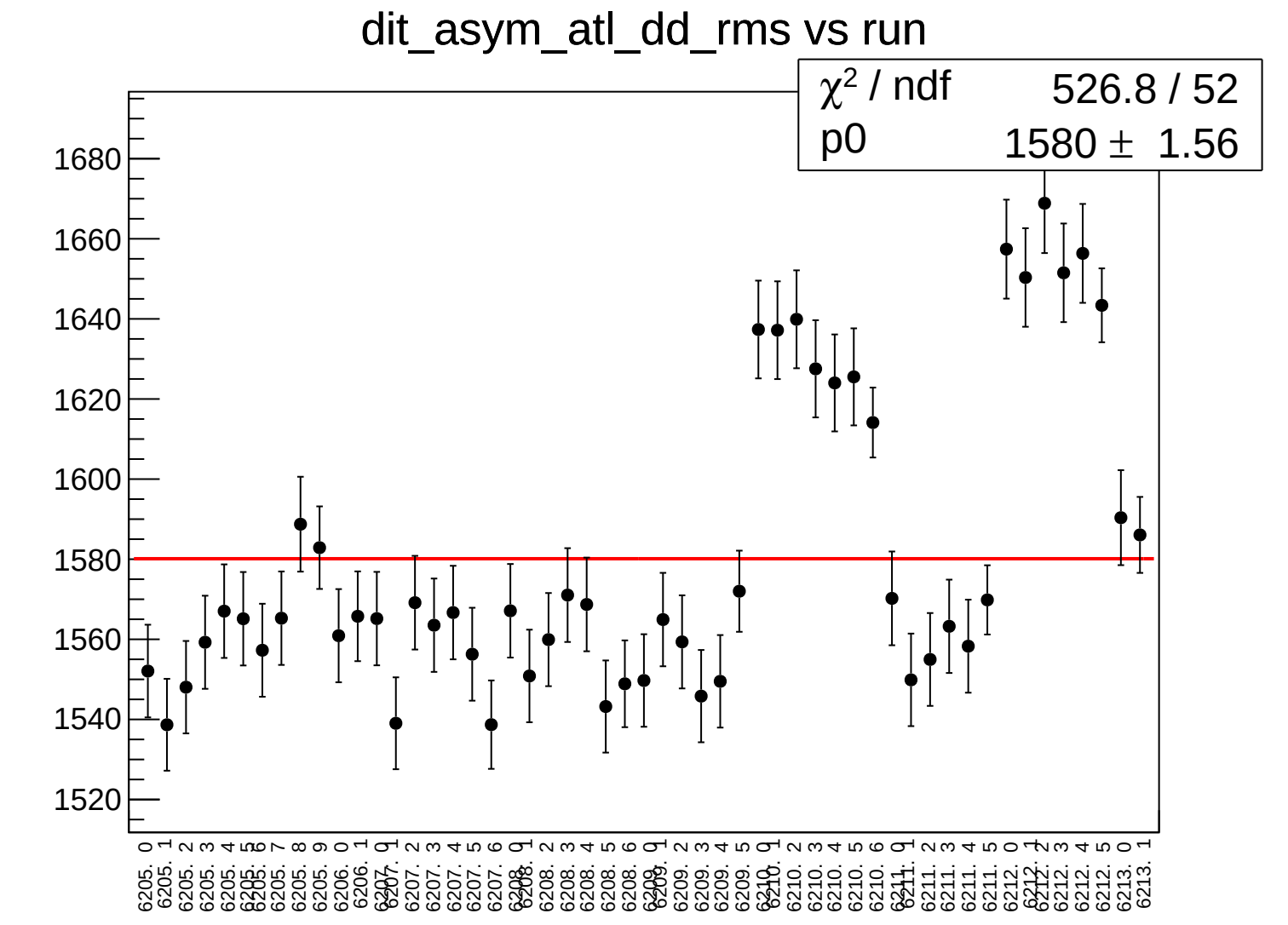

asym_atl_avg_mean vs run
×10^3
χ^2 / ndf 46.66 / 52
p0 1627 ± 6318
150
100
50
0
−50
−100
−150
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6207. 7
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 7
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6209. 6
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6210. 7
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1
pull
Entries 53
Mean −261.7
Std Dev 312.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

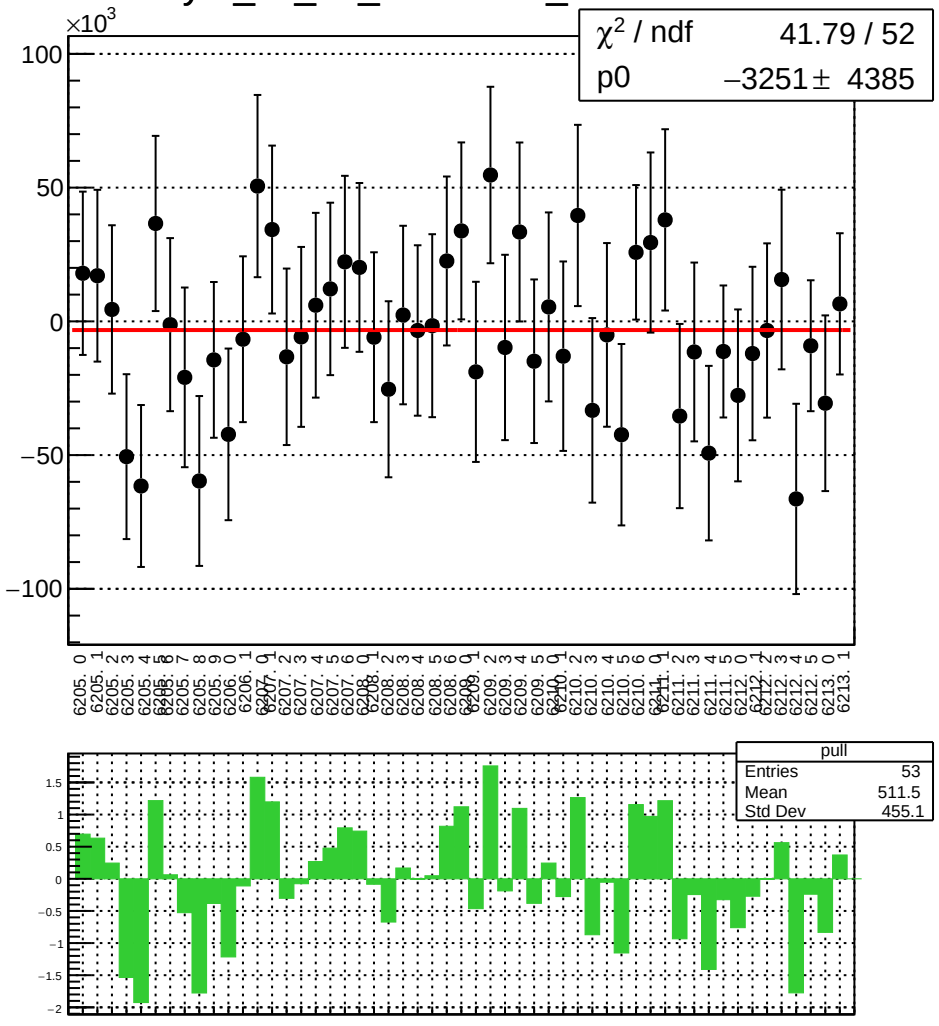

pull1D
Entries 53
Mean 0.00302
Std Dev 0.9383
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

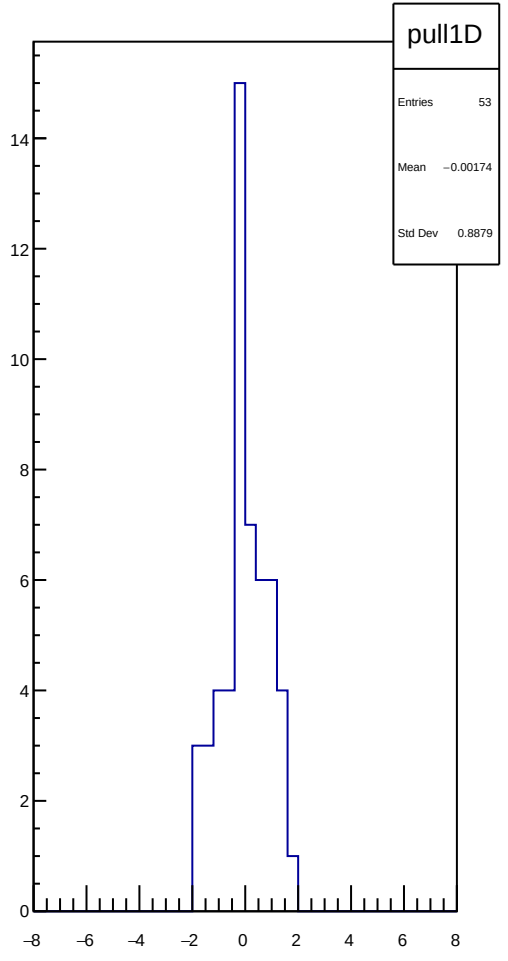

asym_atl_avg_rms vs run
χ² / ndf 1407 / 52
p0 4522 ± 4.468
5000
4800
4600
4400
4200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 9
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

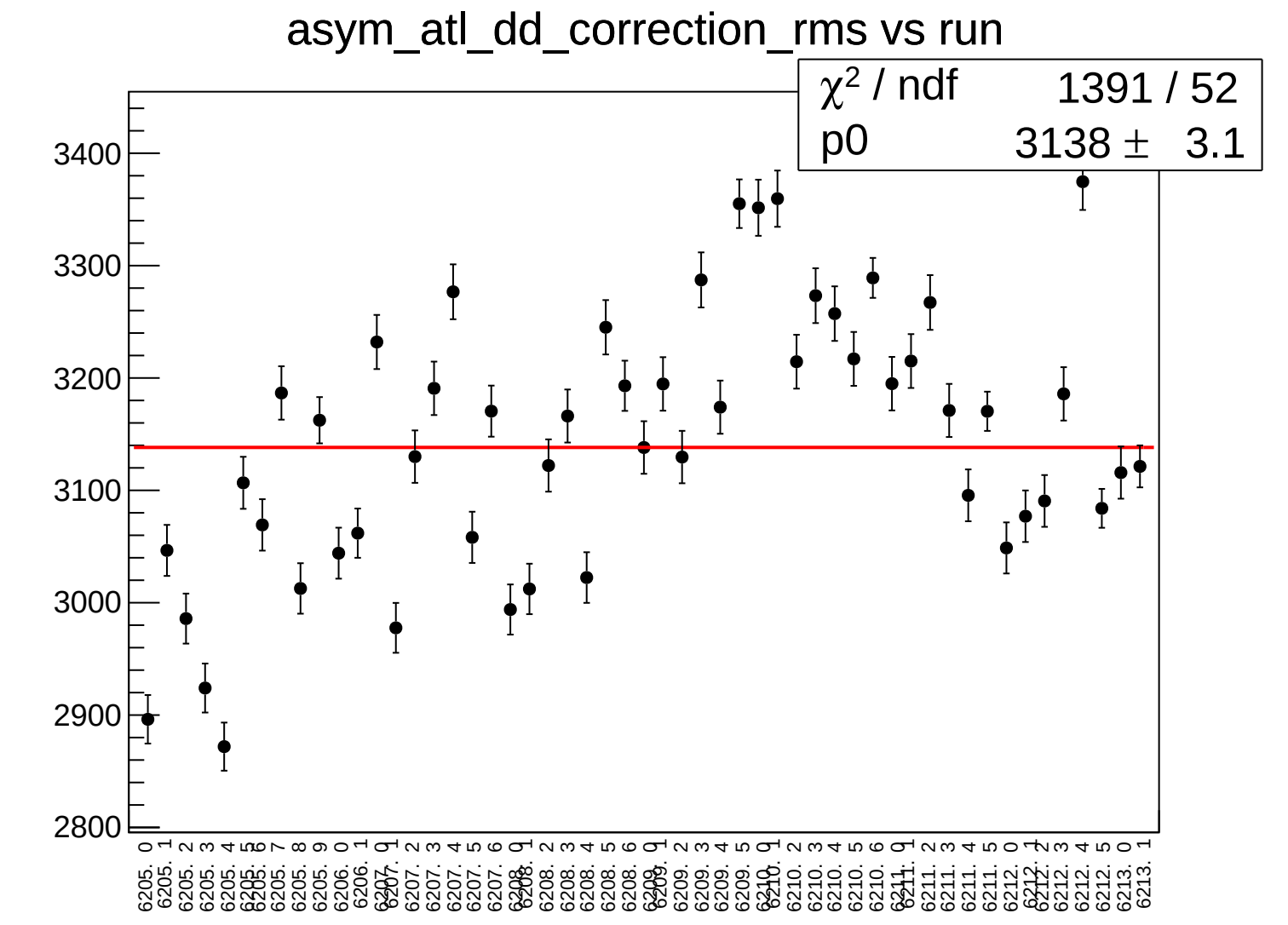

dit_asym_atl_dd_mean vs run
χ² / ndf 67.58 / 52
p0 3765 ± 2207
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −400.7
Std Dev 430.7
1
0
−1
−2
−3

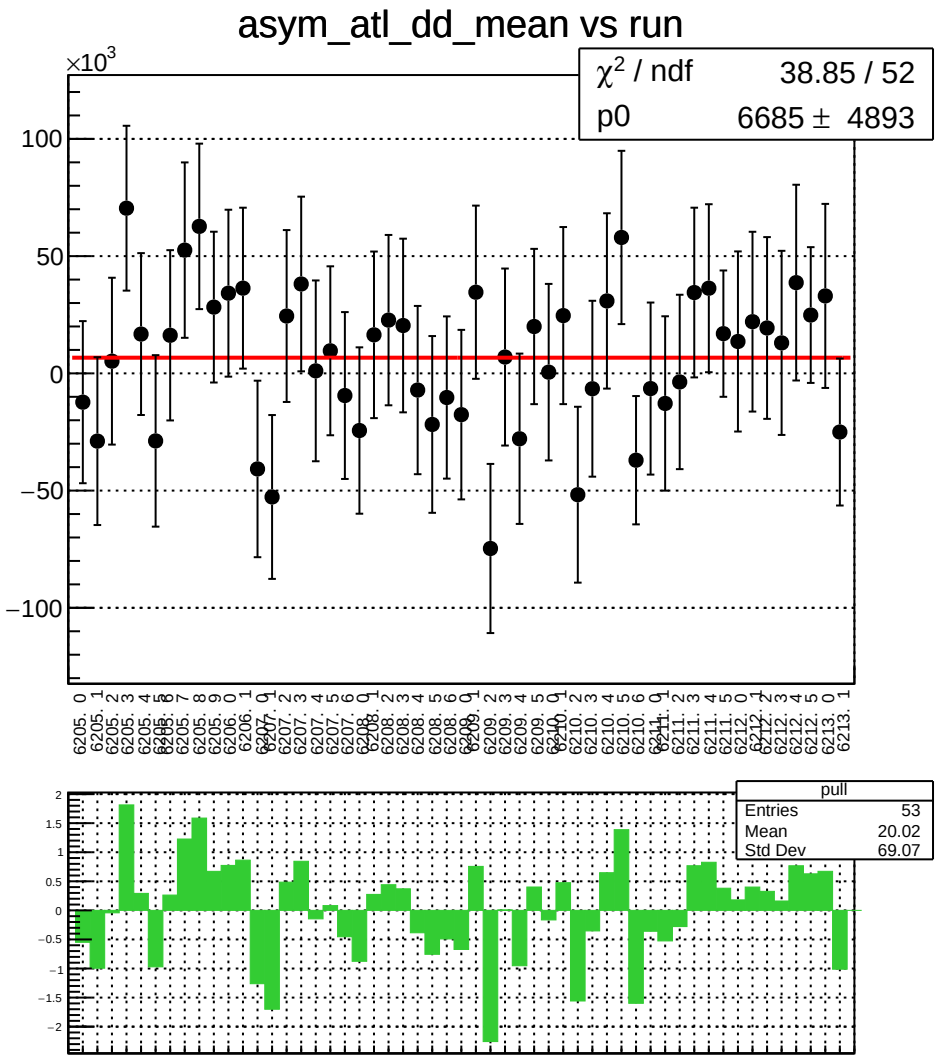

pull1D
Entries 53
Mean 0.00443
Std Dev 1.129
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

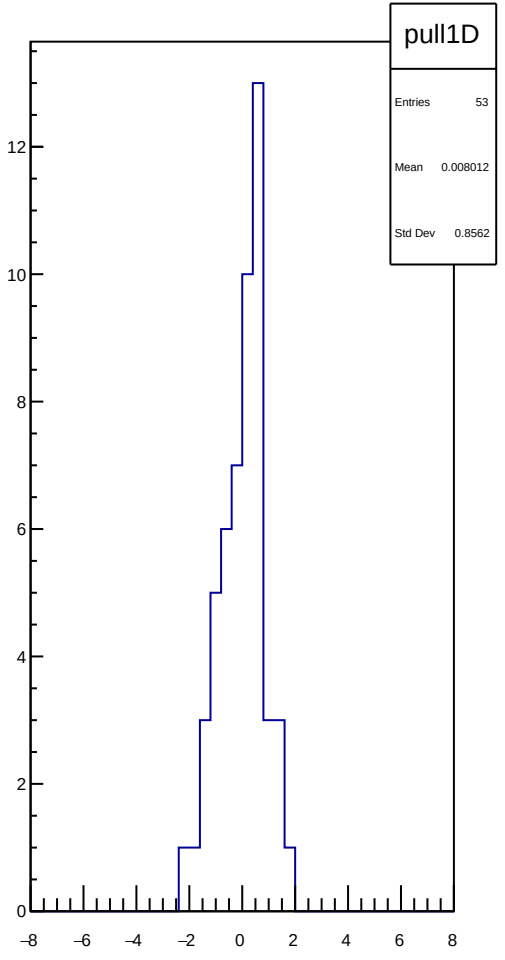

dit_asym_atl_dd_rms vs run
χ² / ndf 526.8 / 52
p0 1580 ± 1.56
1680
1660
1640
1620
1600
1580
1560
1540
1520
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

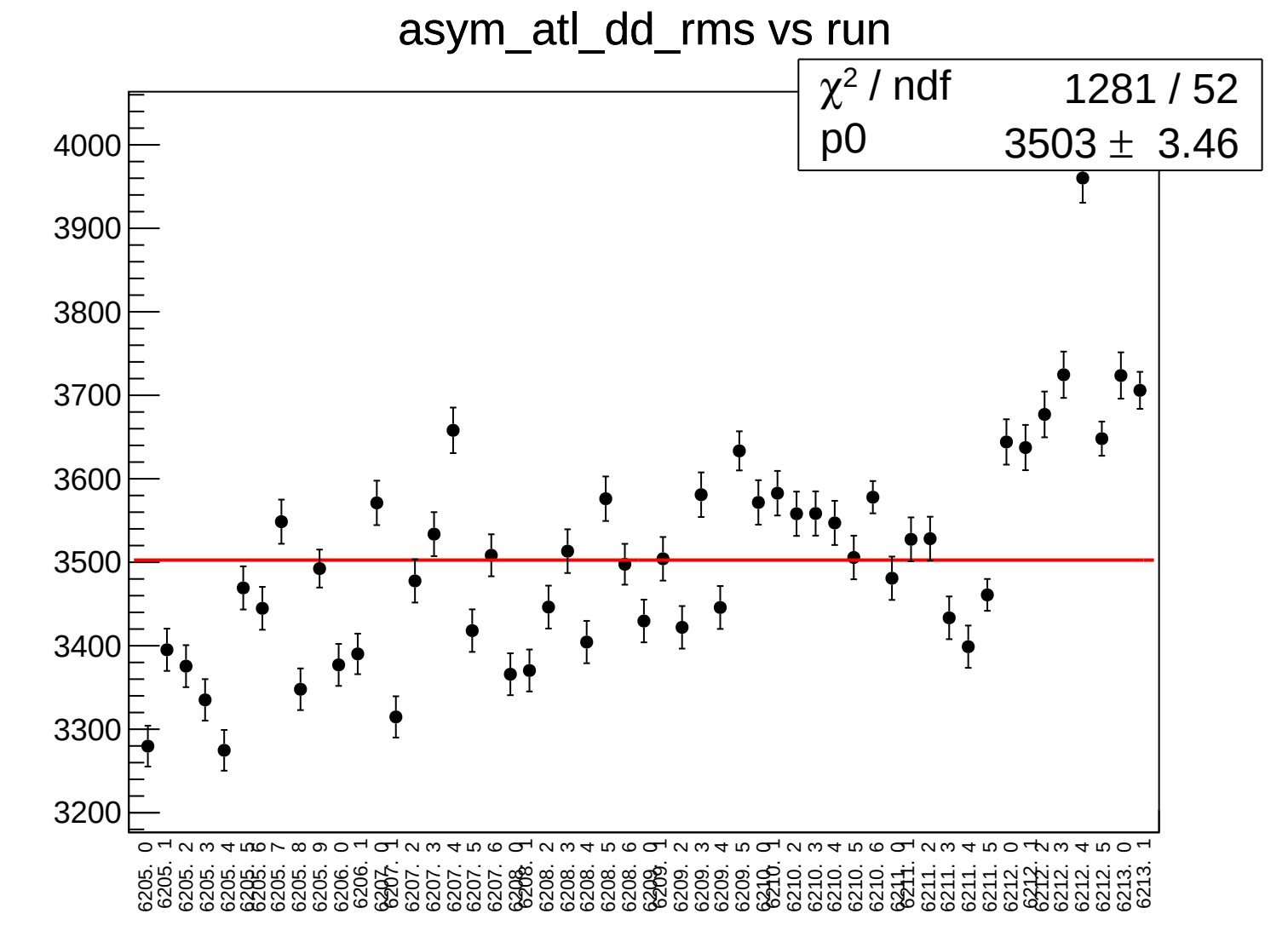

asym_atl_dd_correction_mean vs run
×10^3
χ² / ndf 41.79 / 52
p0 −3251 ± 4385
pull
Entries 53
Mean 511.5
Std Dev 455.1

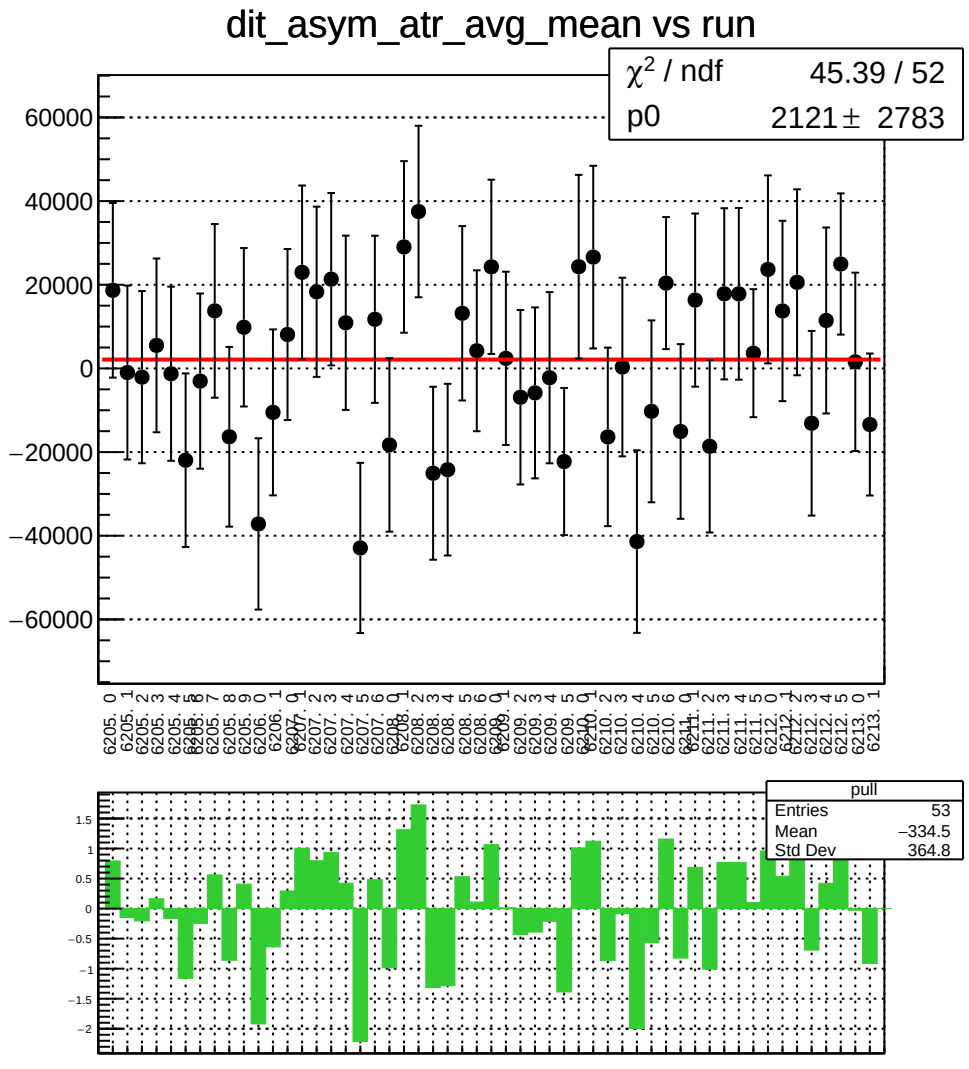

pull1D
Entries 53
Mean −0.00174
Std Dev 0.8879

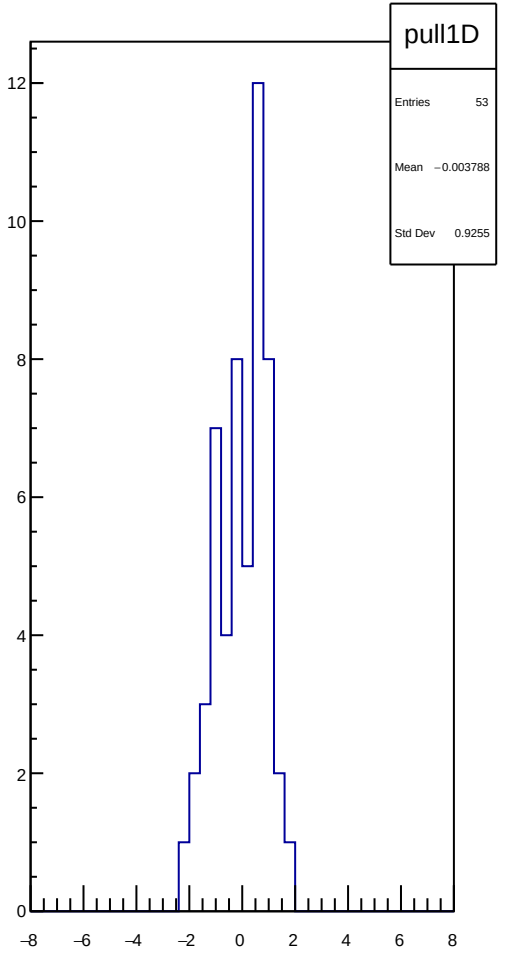

asym_atl_dd_correction_rms vs run
χ² / ndf 1391 / 52
p0 3138 ± 3.1
3400
3300
3200
3100
3000
2900
2800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

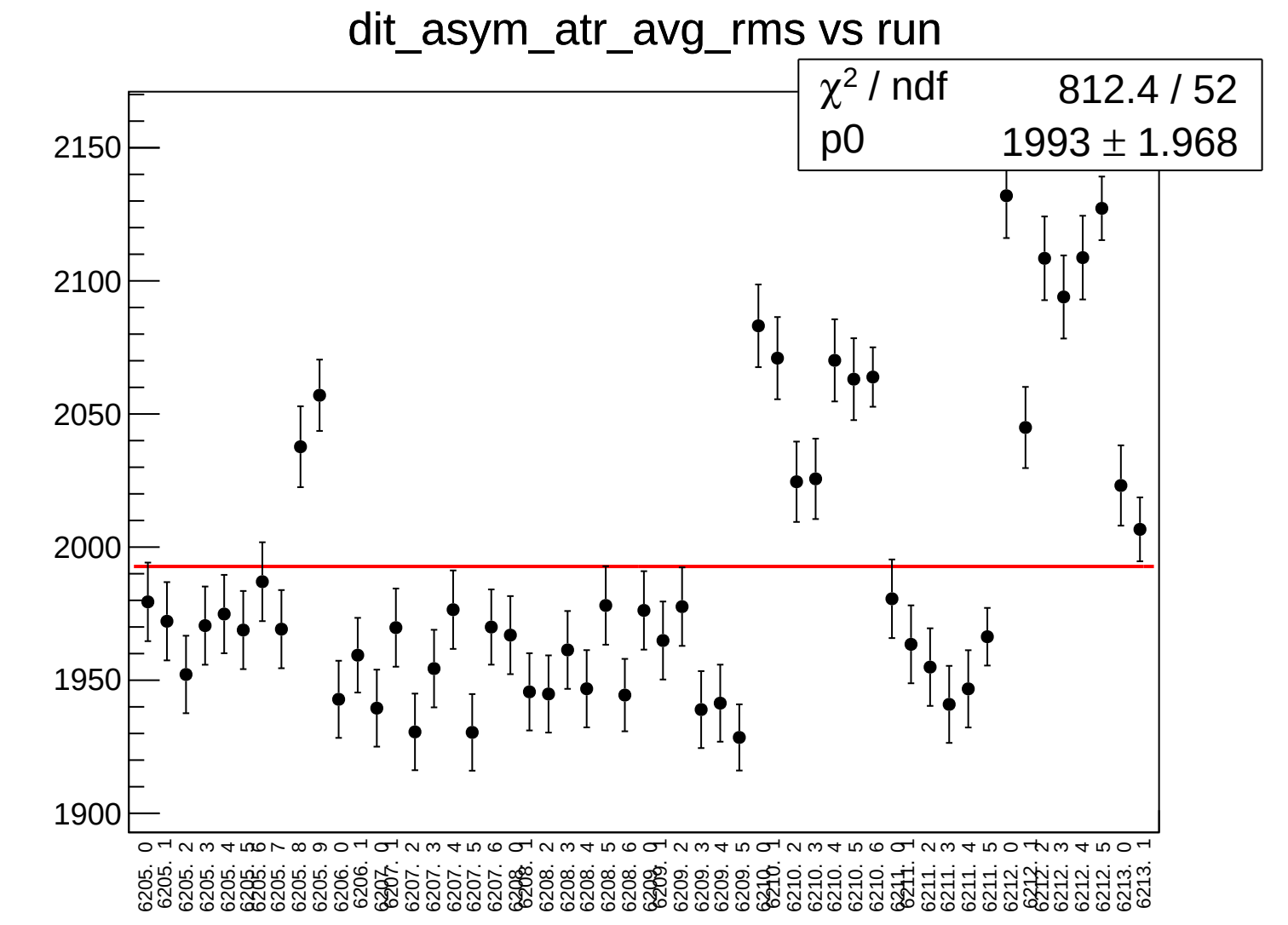

asym_atl_dd_mean vs run
×10^3
χ² / ndf 38.85 / 52
p0 6685 ± 4893
100
50
0
−50
−100
pull
Entries 53
Mean 20.02
Std Dev 69.07
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

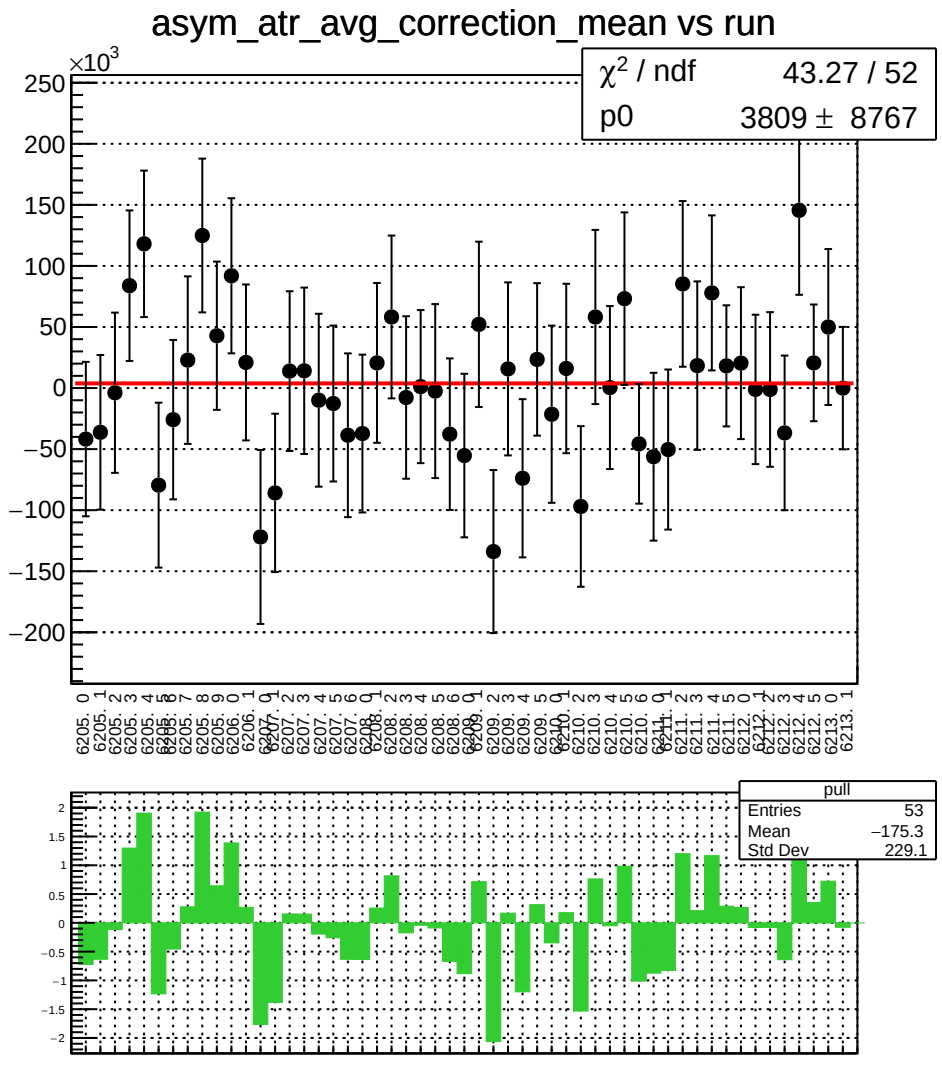

pull1D
Entries 53
Mean 0.008012
Std Dev 0.8562
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

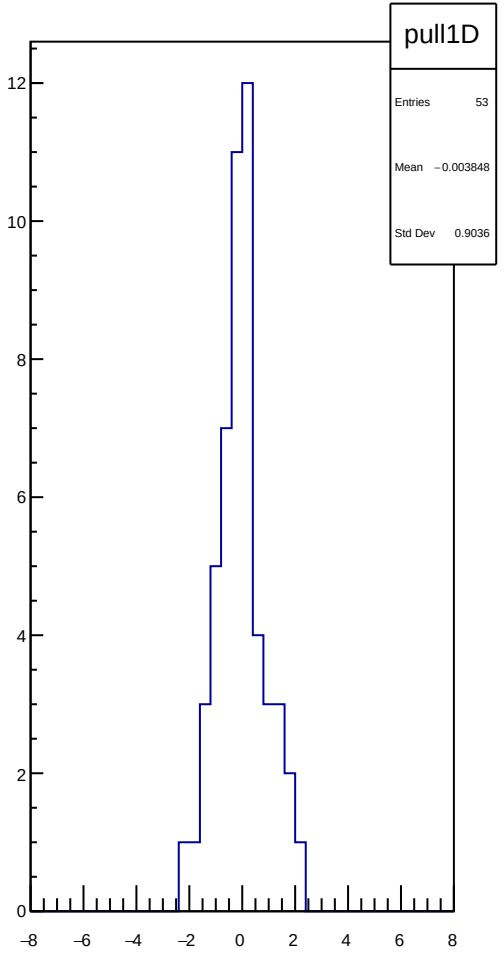

asym_atl_dd_rms vs run
χ² / ndf 1281 / 52
p0 3503 ± 3.46
4000
3900
3800
3700
3600
3500
3400
3300
3200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 9
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

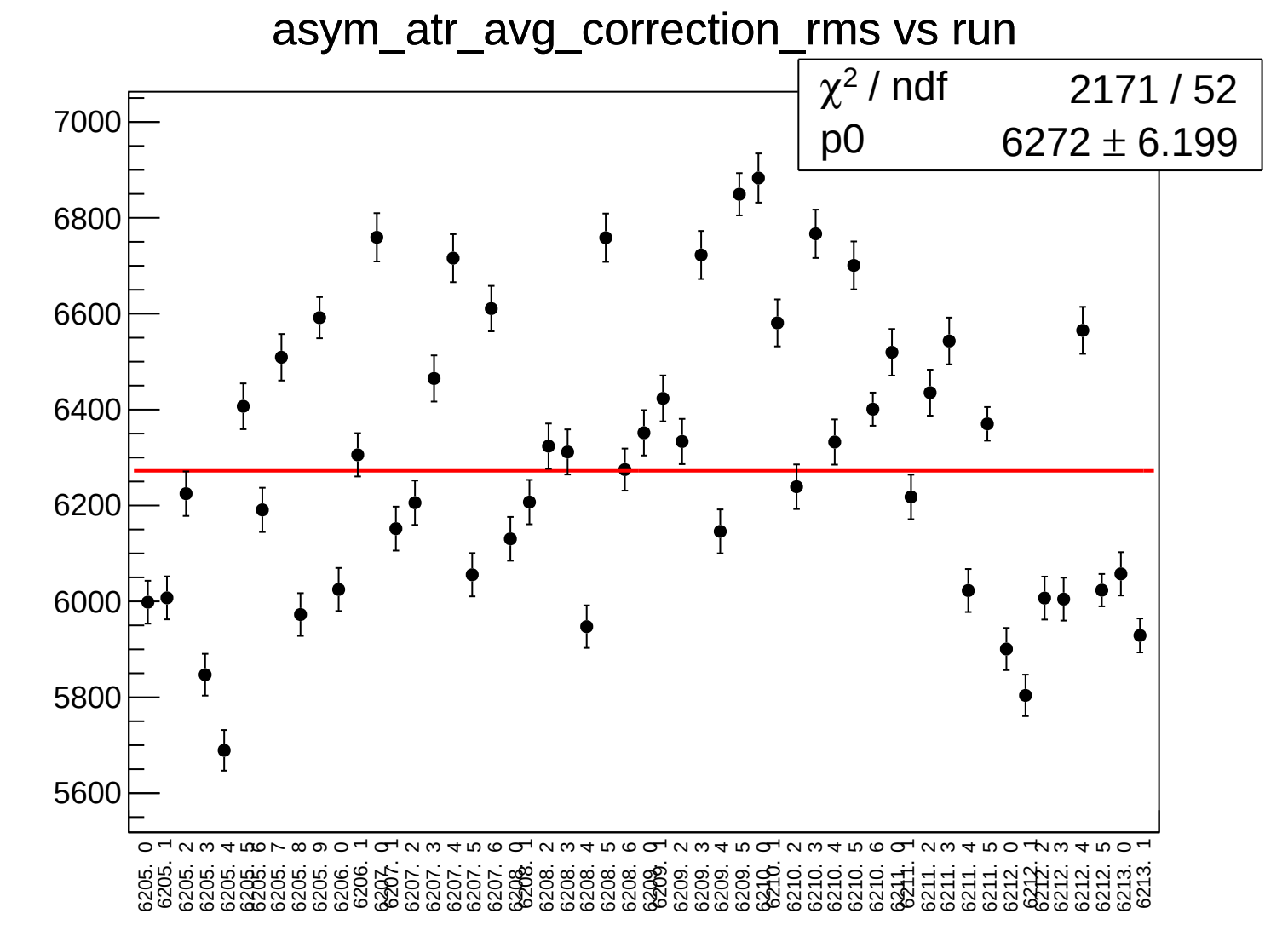

dit_asym_atr_avg_mean vs run
χ² / ndf 45.39 / 52
p0 2121 ± 2783
pull
Entries 53
Mean −334.5
Std Dev 364.8

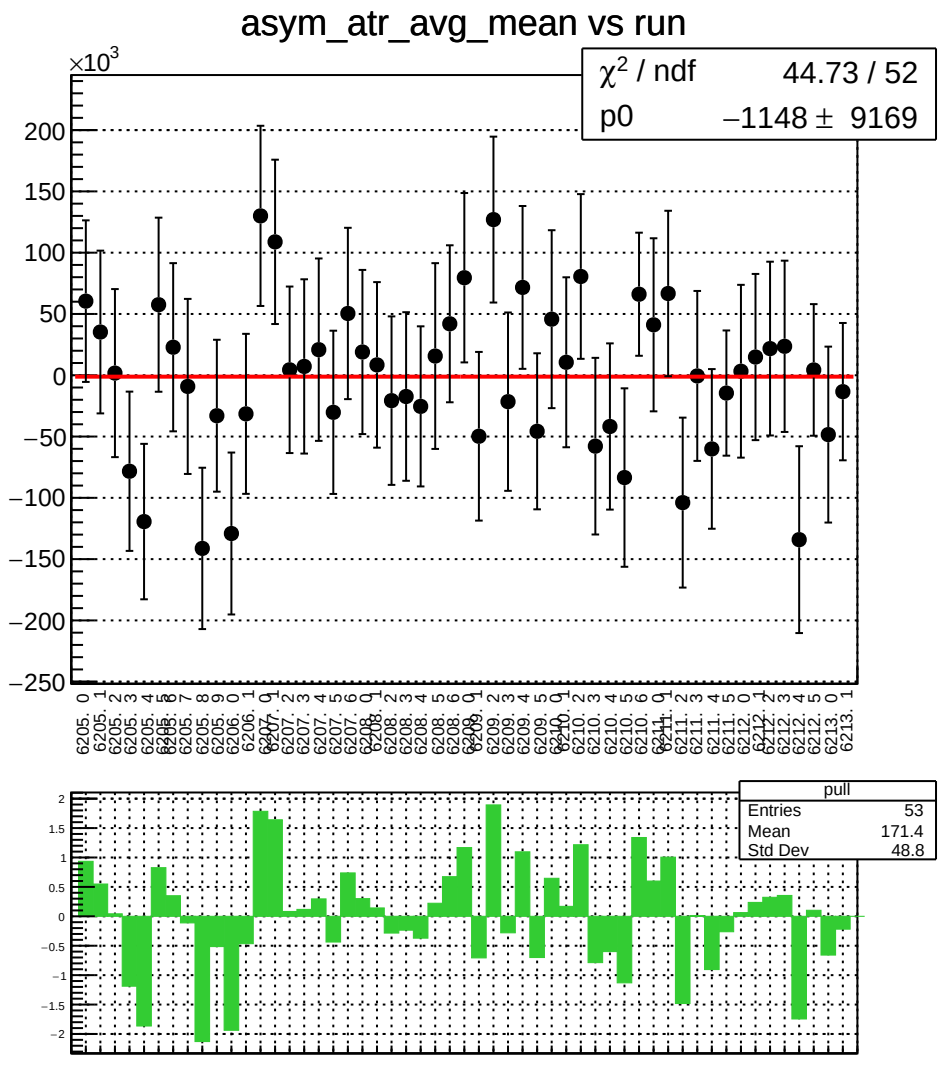

pull1D
Entries 53
Mean −0.003788
Std Dev 0.9255

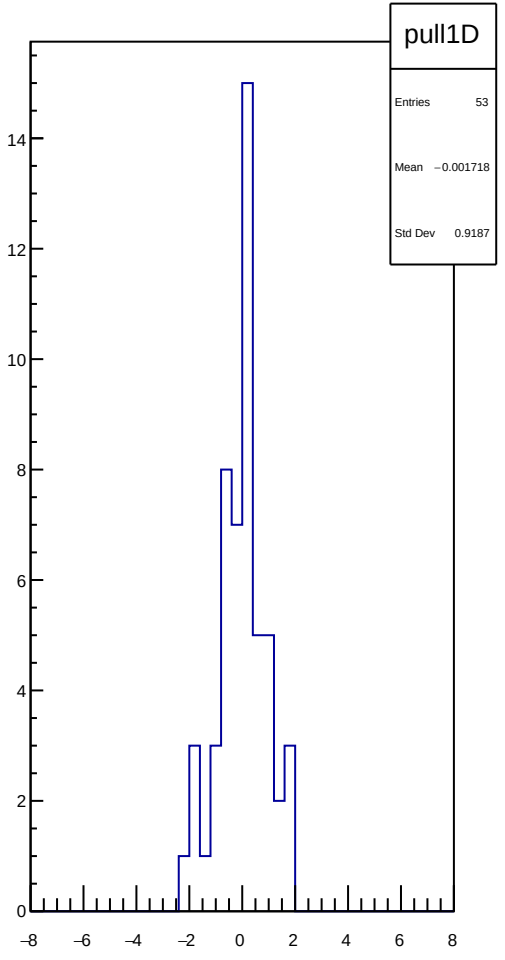

dit_asym_atr_avg_rms vs run
χ² / ndf 812.4 / 52
p0 1993 ± 1.968
2150
2100
2050
2000
1950
1900
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

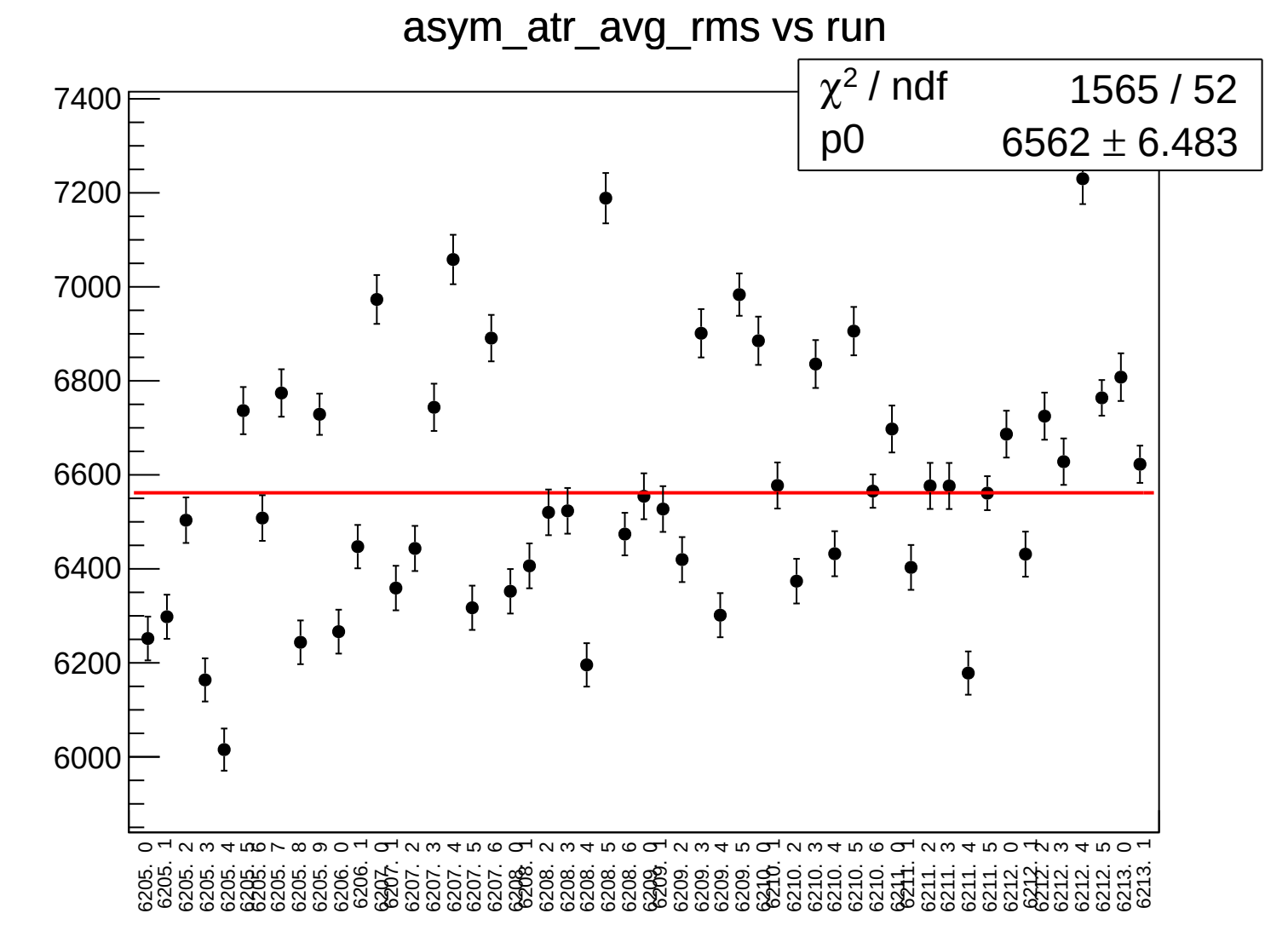

asym_atr_avg_correction_mean vs run
$\chi^2$ / ndf 43.27 / 52
p0 3809 ± 8767
×10^3
pull
Entries 53
Mean −175.3
Std Dev 229.1

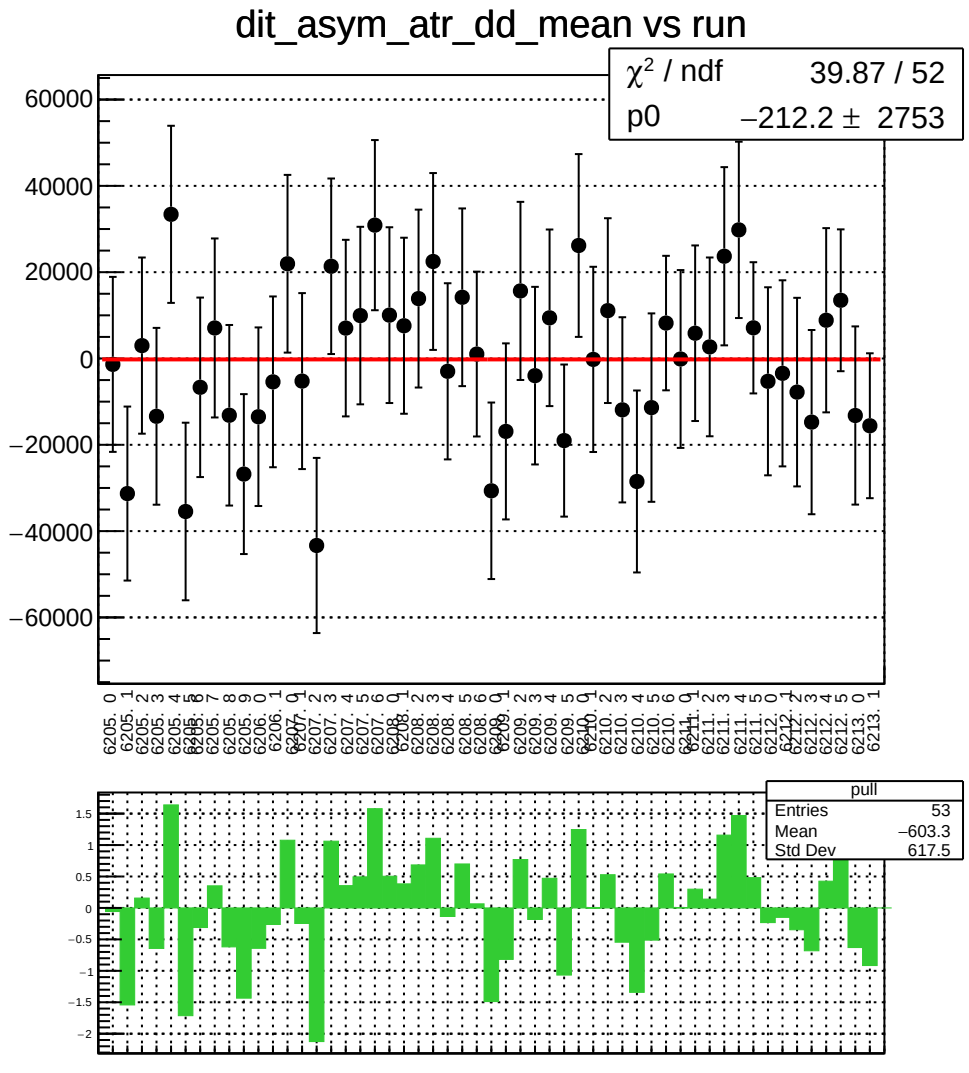

pull1D
Entries 53
Mean −0.003848
Std Dev 0.9036

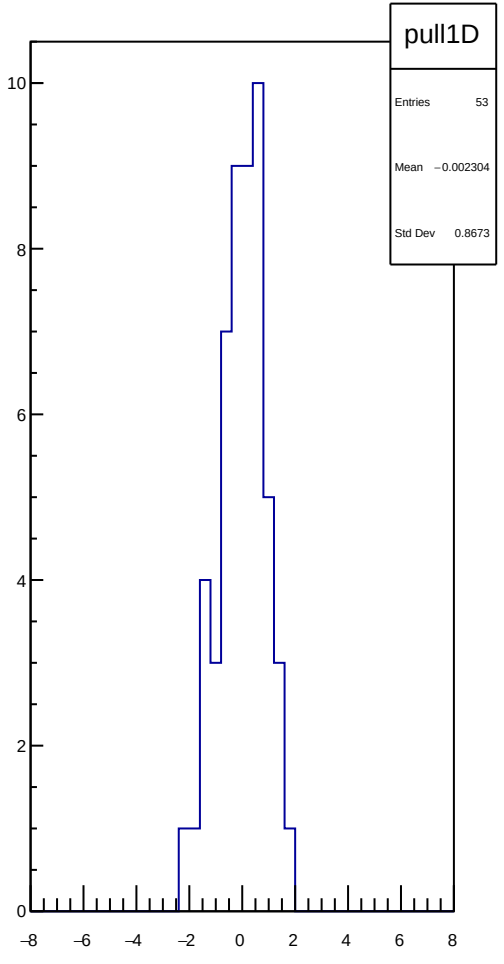

asym_atr_avg_correction_rms vs run
χ² / ndf 2171 / 52
p0 6272 ± 6.199
7000
6800
6600
6400
6200
6000
5800
5600
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

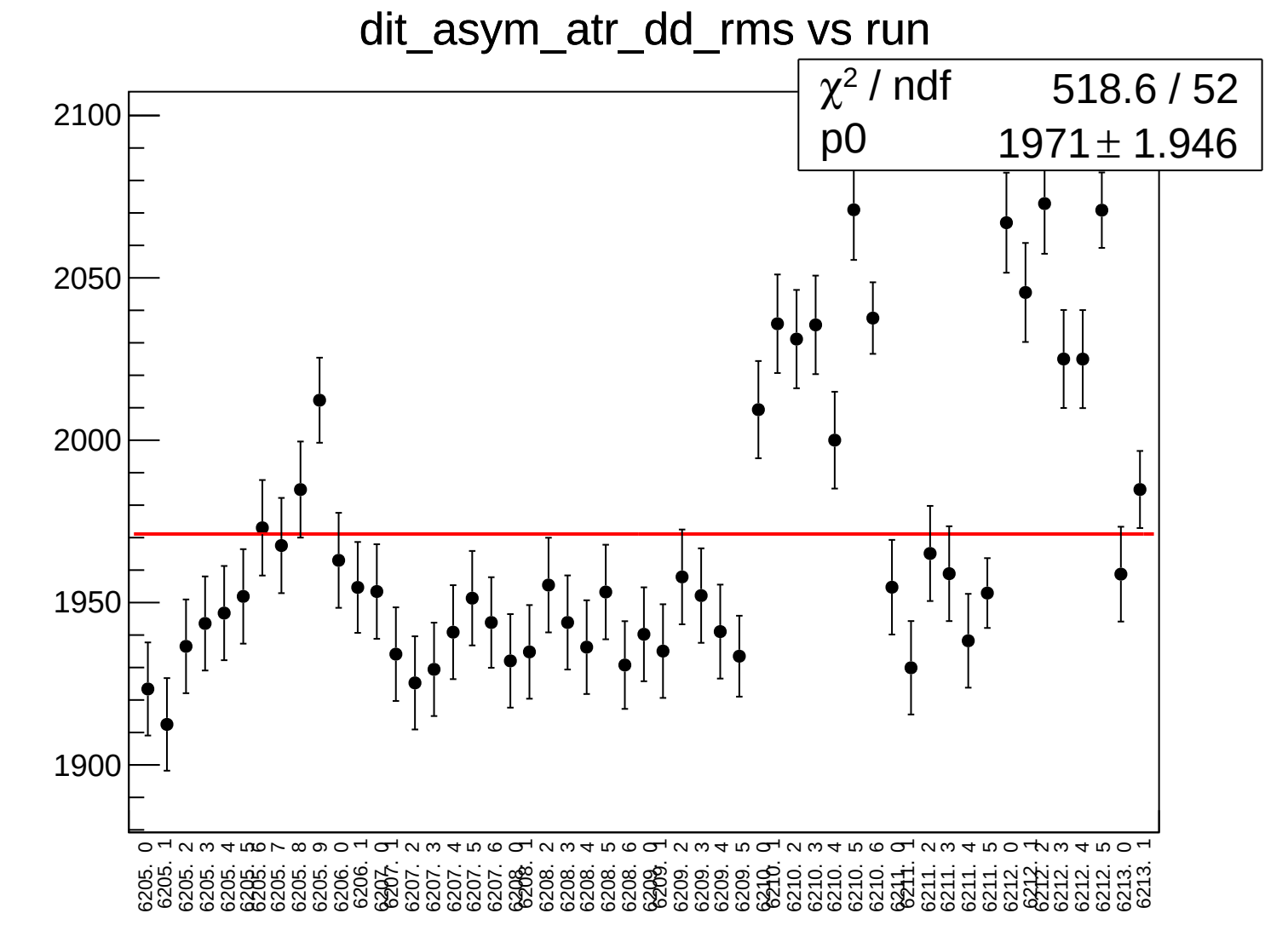

asym_atr_avg_mean vs run
×10^3
χ^2 / ndf 44.73 / 52
p0 −1148 ± 9169
200
150
100
50
0
−50
−100
−150
−200
−250
pull
Entries 53
Mean 171.4
Std Dev 48.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

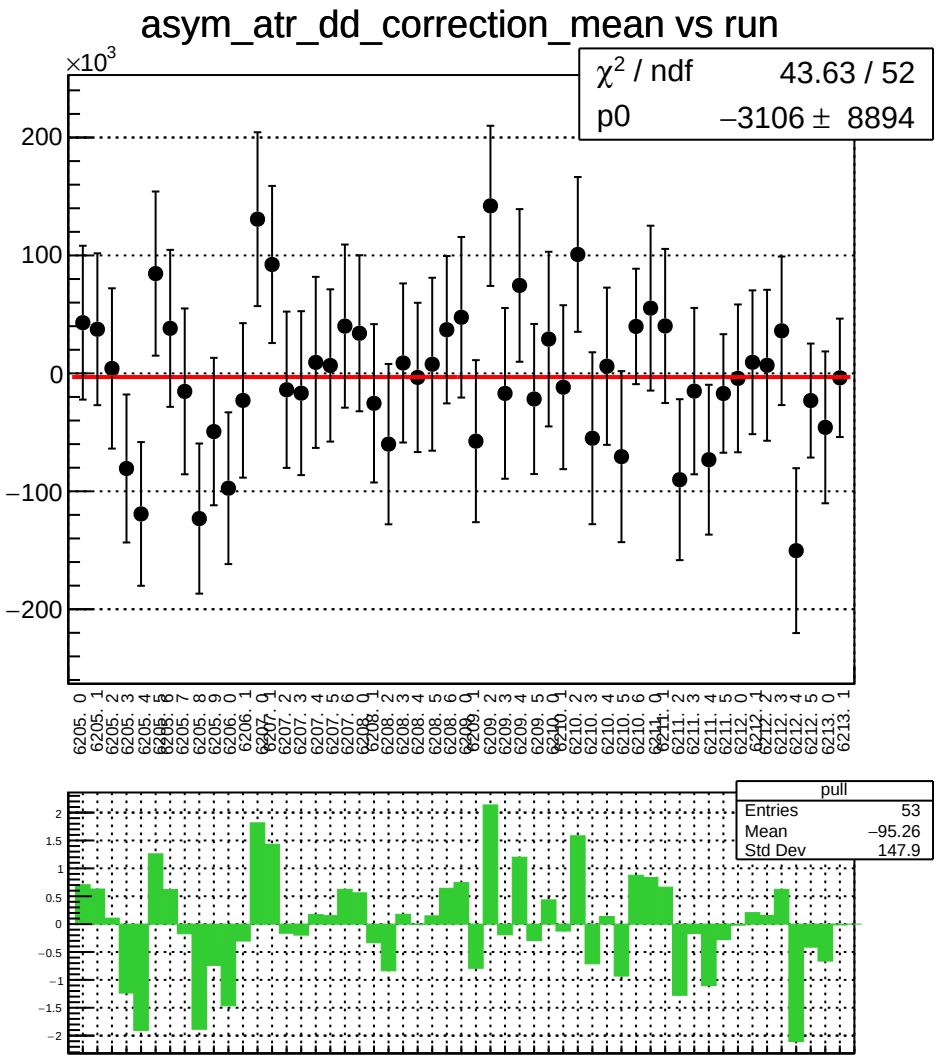

pull1D
Entries 53
Mean −0.001718
Std Dev 0.9187
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

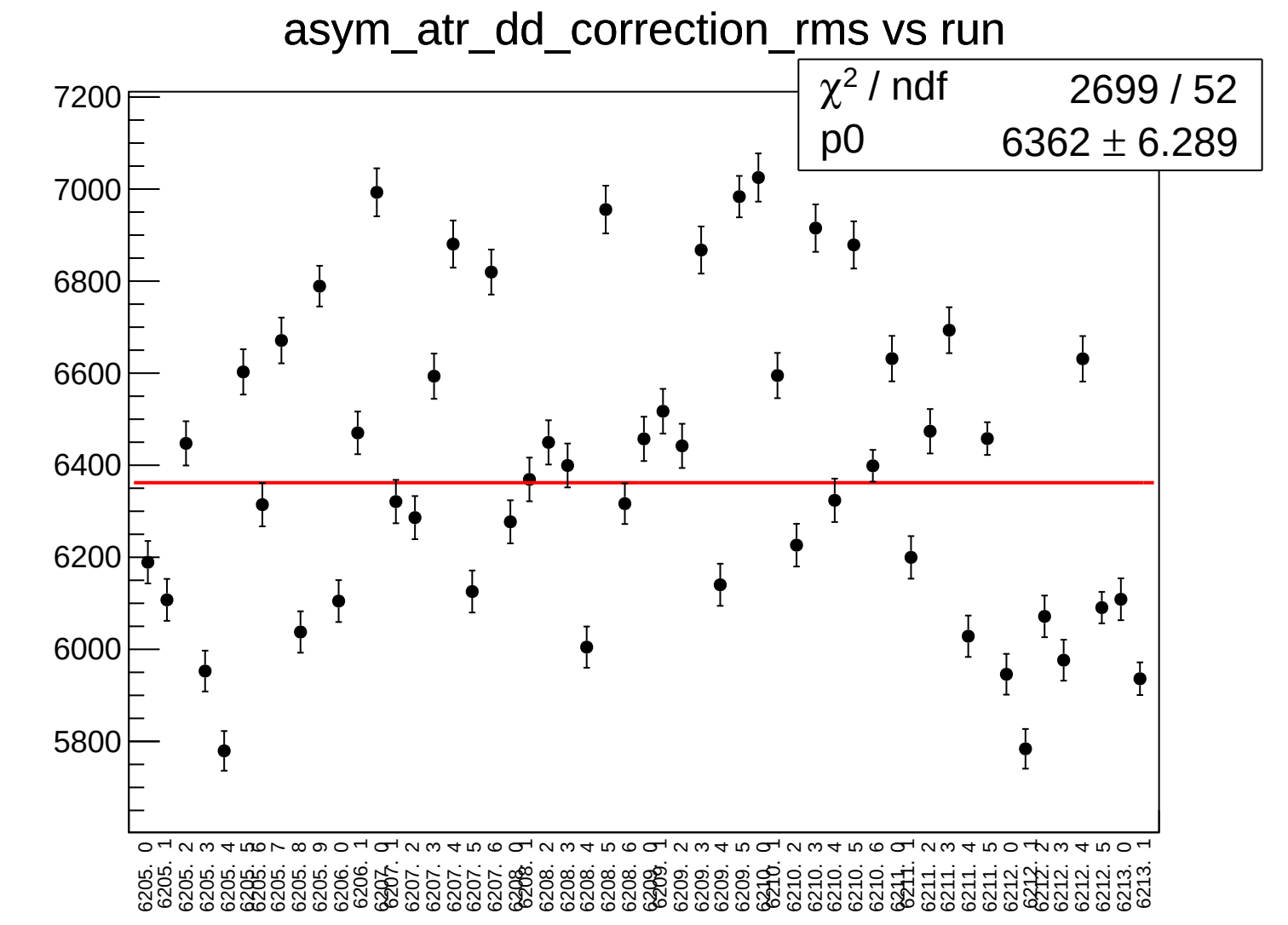

asym_atr_avg_rms vs run
χ² / ndf 1565 / 52
p0 6562 ± 6.483
7400
7200
7000
6800
6600
6400
6200
6000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

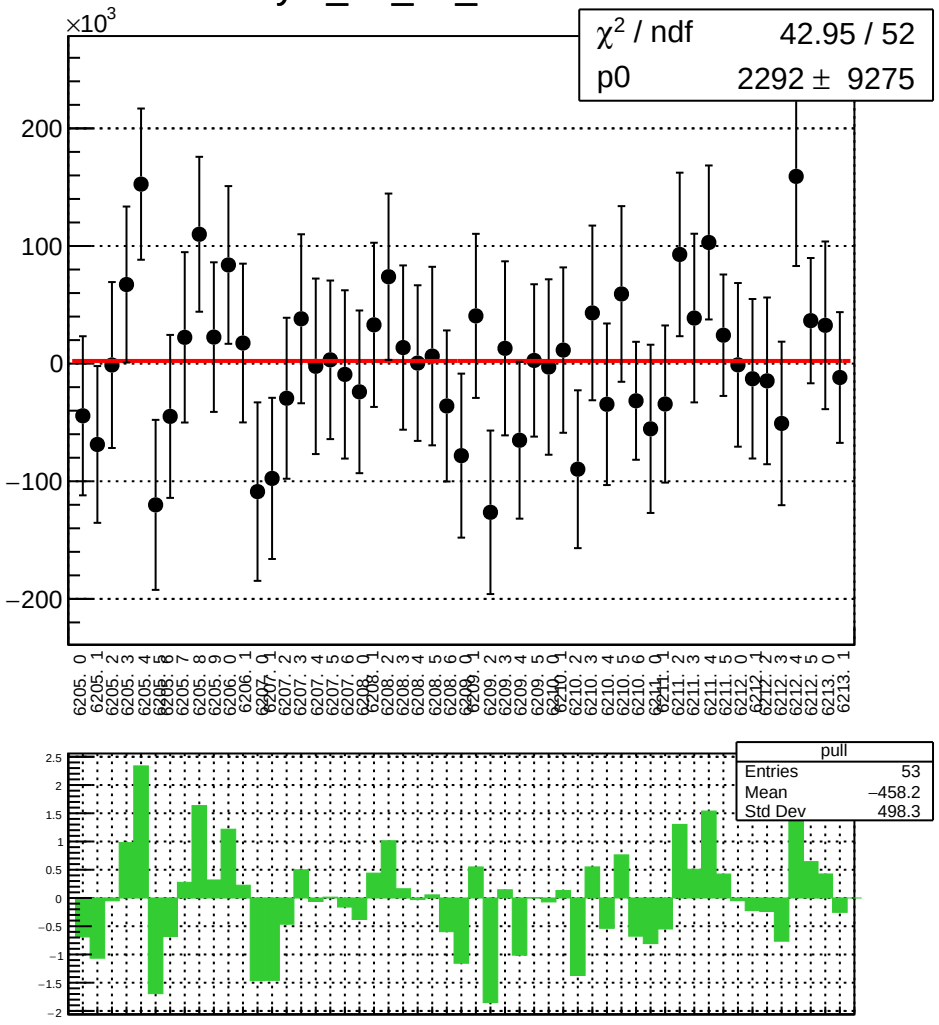

dit_asym_atr_dd_mean vs run
χ² / ndf 39.87 / 52
p0 −212.2 ± 2753
pull
Entries 53
Mean −603.3
Std Dev 617.5

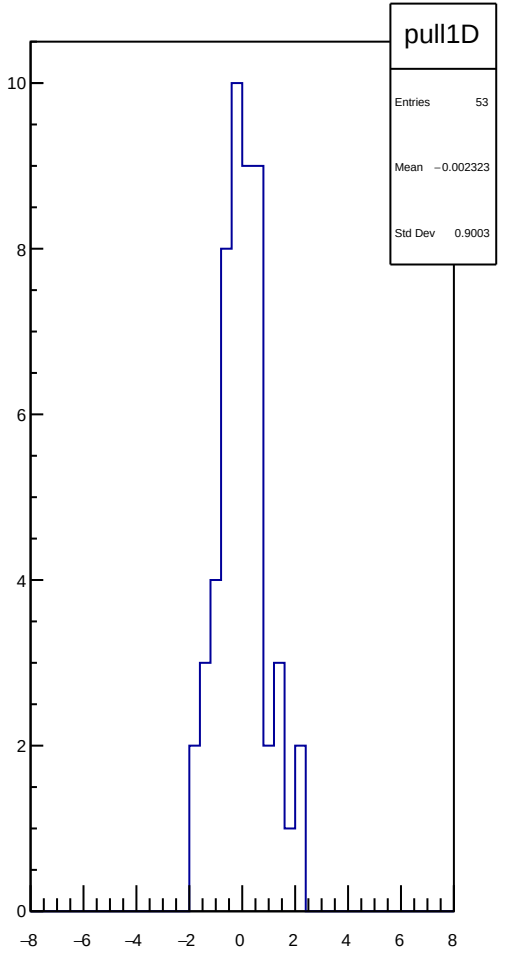

pull1D
Entries 53
Mean −0.002304
Std Dev 0.8673

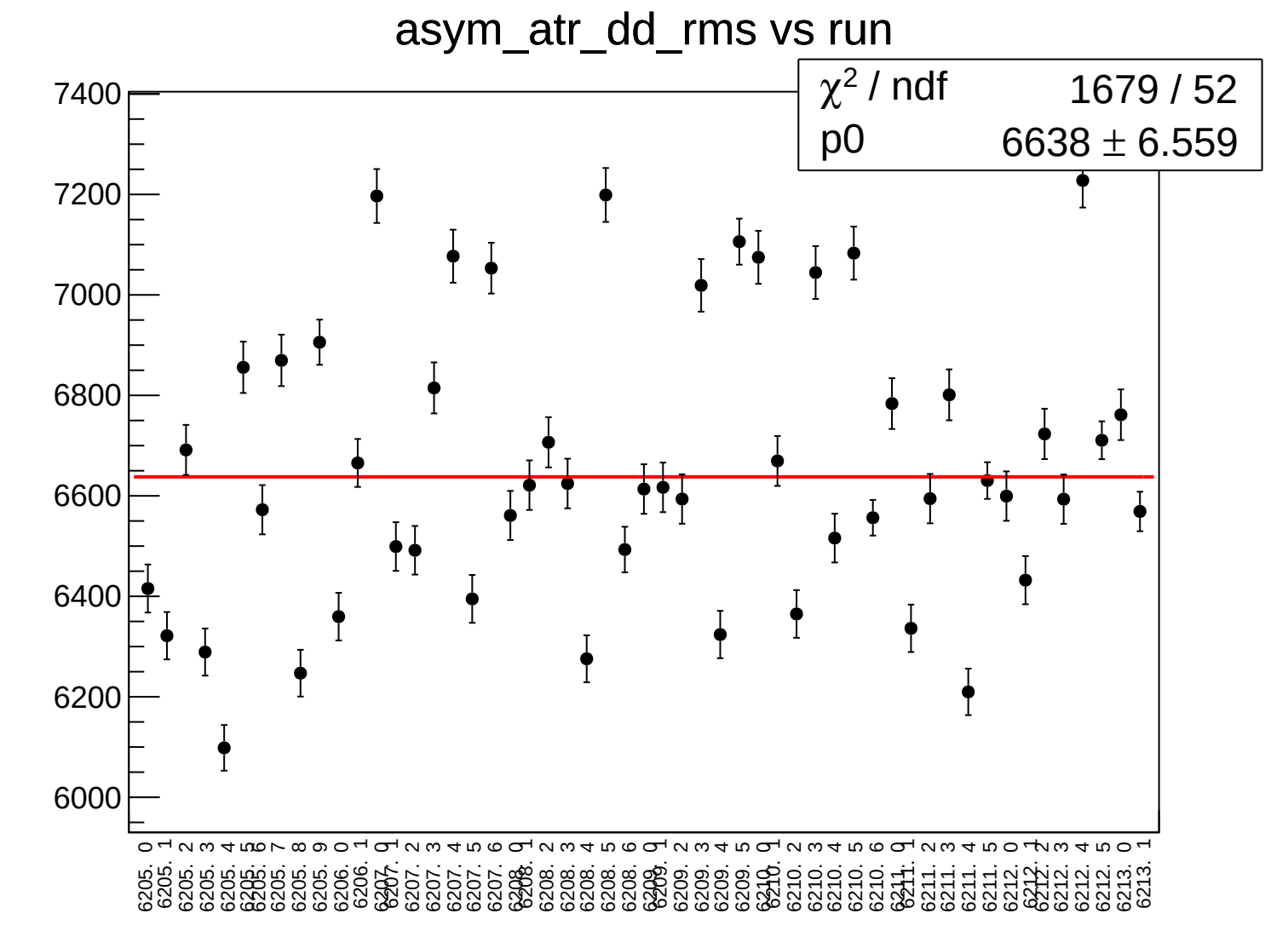

dit_asym_atr_dd_rms vs run
χ² / ndf 518.6 / 52
p0 1971 ± 1.946
2100
2050
2000
1950
1900
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

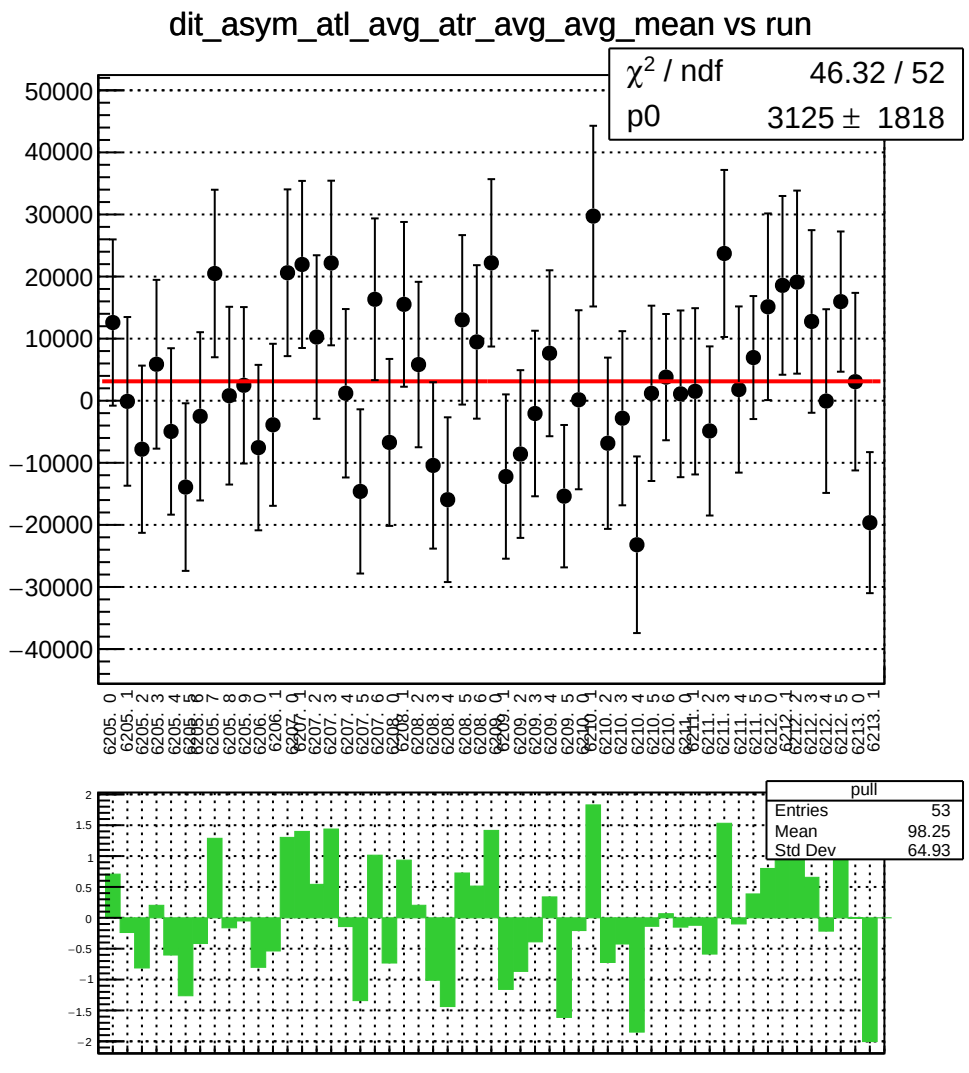

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 43.63 / 52
p0 −3106 ± 8894
200
100
0
−100
−200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6207. 7
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 7
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6209. 6
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6210. 7
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1
pull
Entries 53
Mean −95.26
Std Dev 147.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 53
Mean 0.006024
Std Dev 0.9073
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

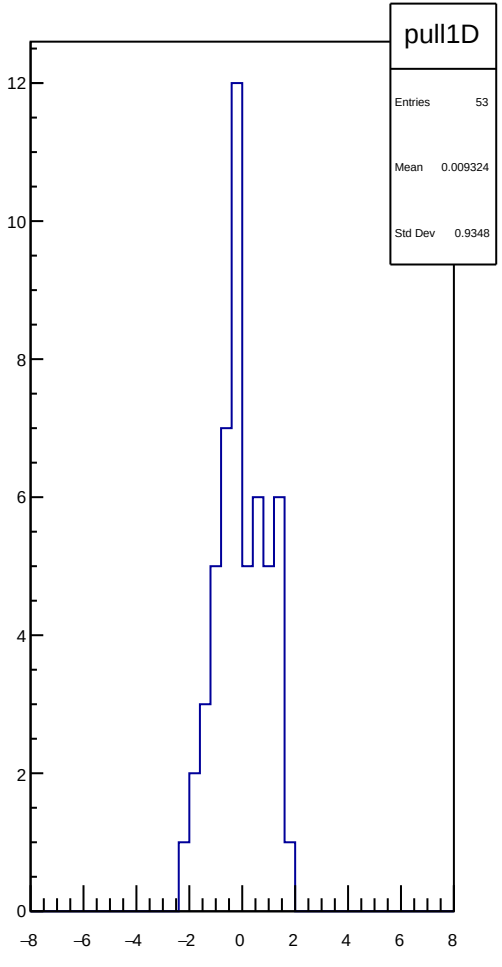

asym_atr_dd_correction_rms vs run
χ² / ndf 2699 / 52
p0 6362 ± 6.289
7200
7000
6800
6600
6400
6200
6000
5800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

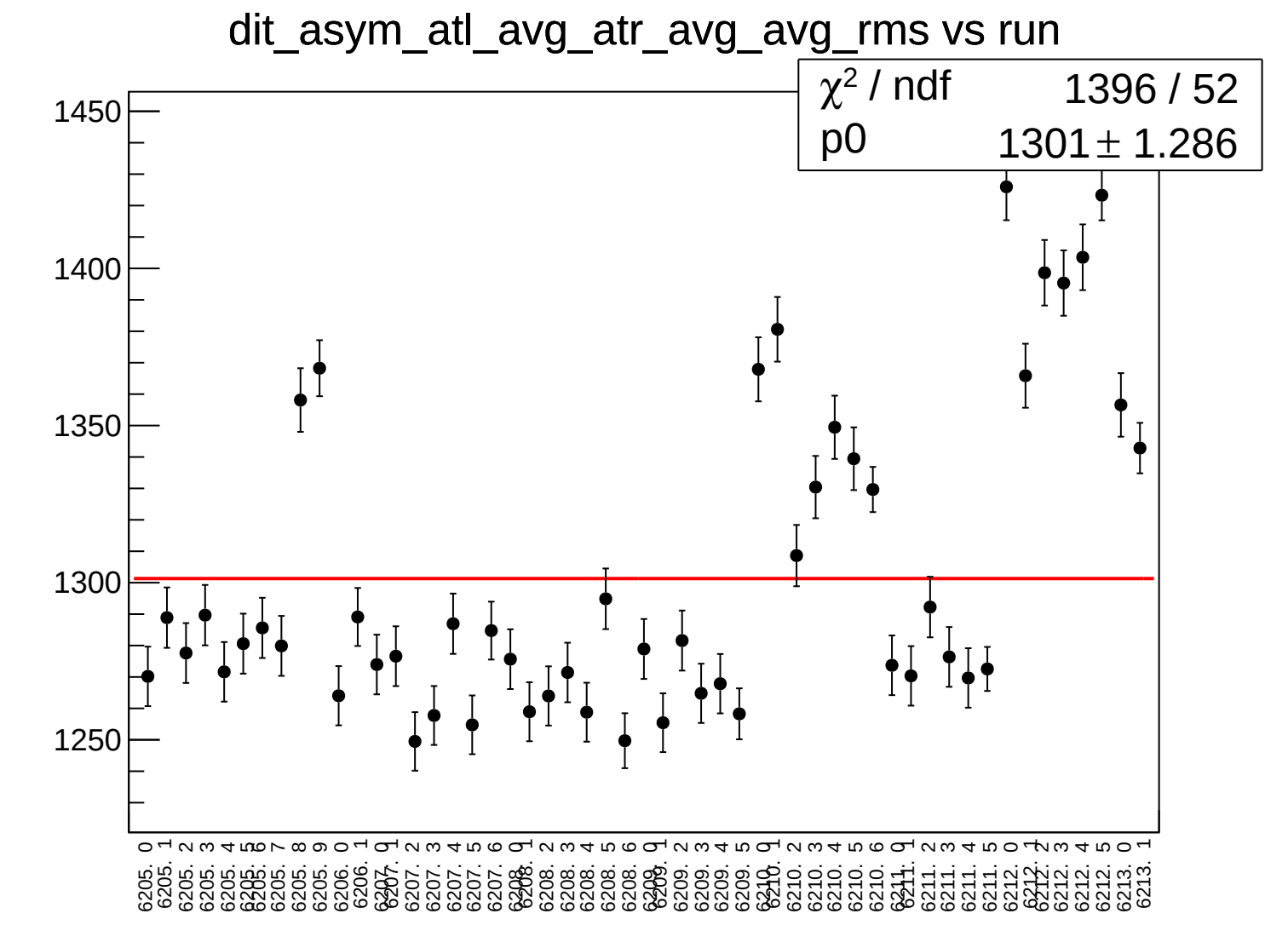

asym_atr_dd_mean vs run
×10^3
χ² / ndf 42.95 / 52
p0 2292 ± 9275
200
100
0
−100
−200
pull
Entries 53
Mean −458.2
Std Dev 498.3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

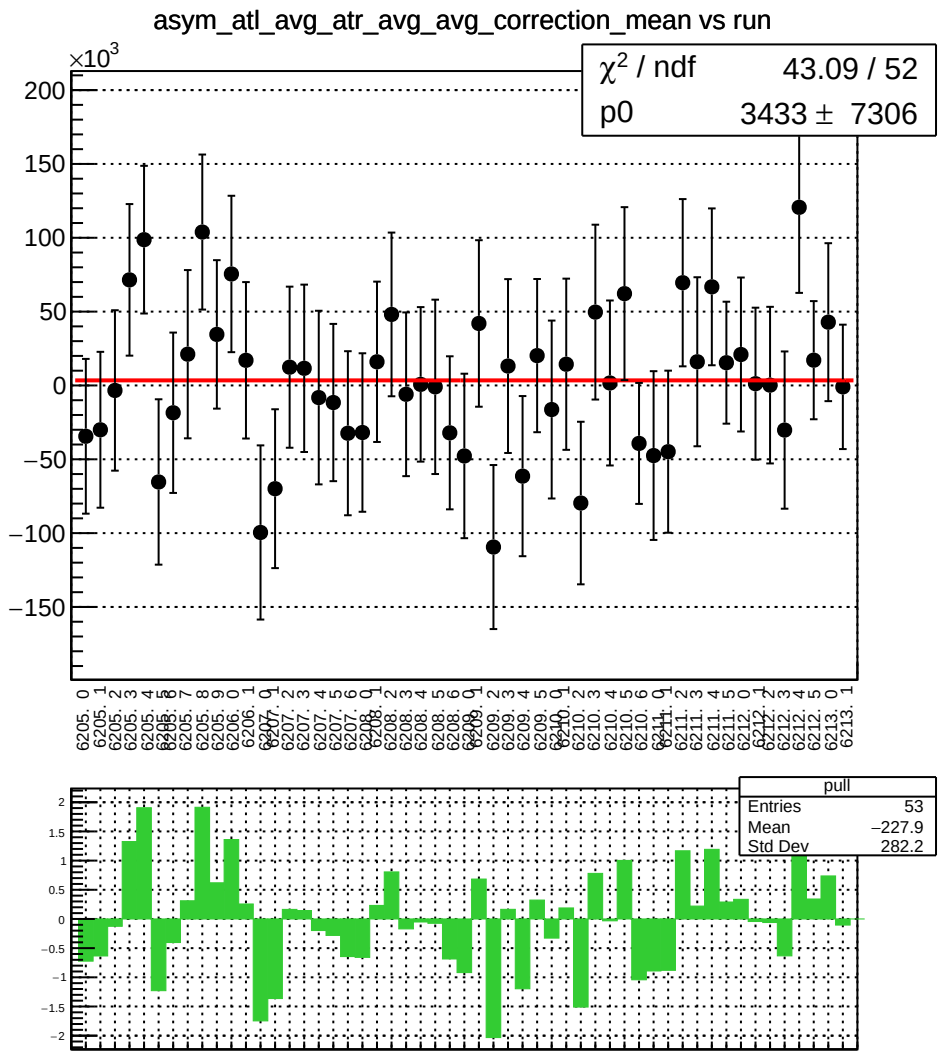

pull1D
Entries 53
Mean −0.002323
Std Dev 0.9003
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

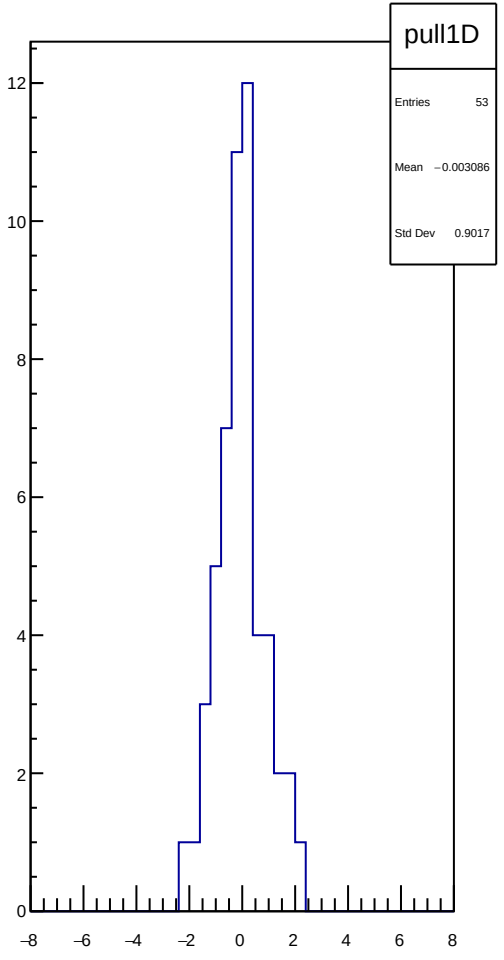

asym_atr_dd_rms vs run
$\chi^2$ / ndf 1679 / 52
p0 6638 ± 6.559
7400
7200
7000
6800
6600
6400
6200
6000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

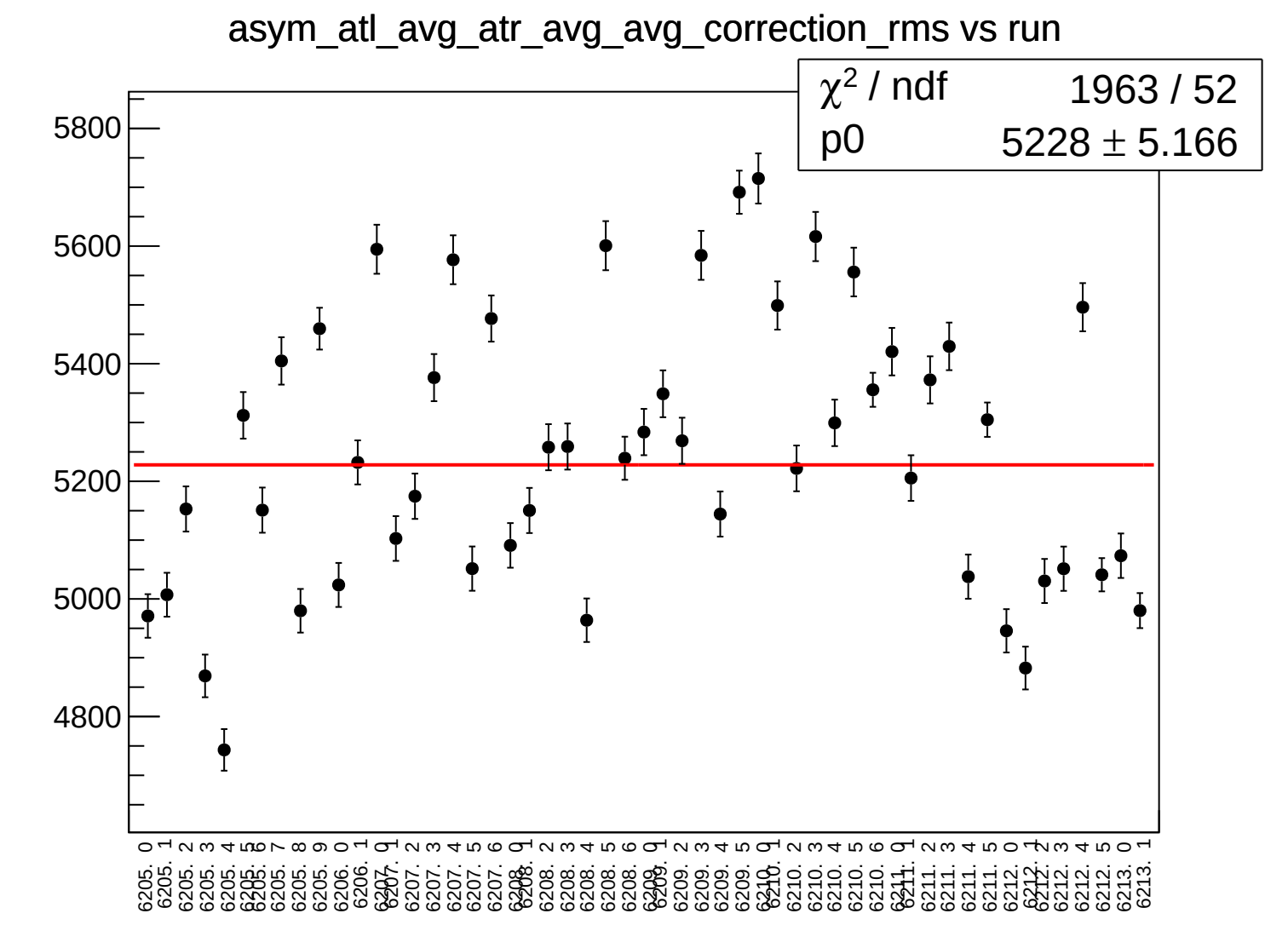

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 46.32 / 52
p0 3125 ± 1818
pull
Entries 53
Mean 98.25
Std Dev 64.93

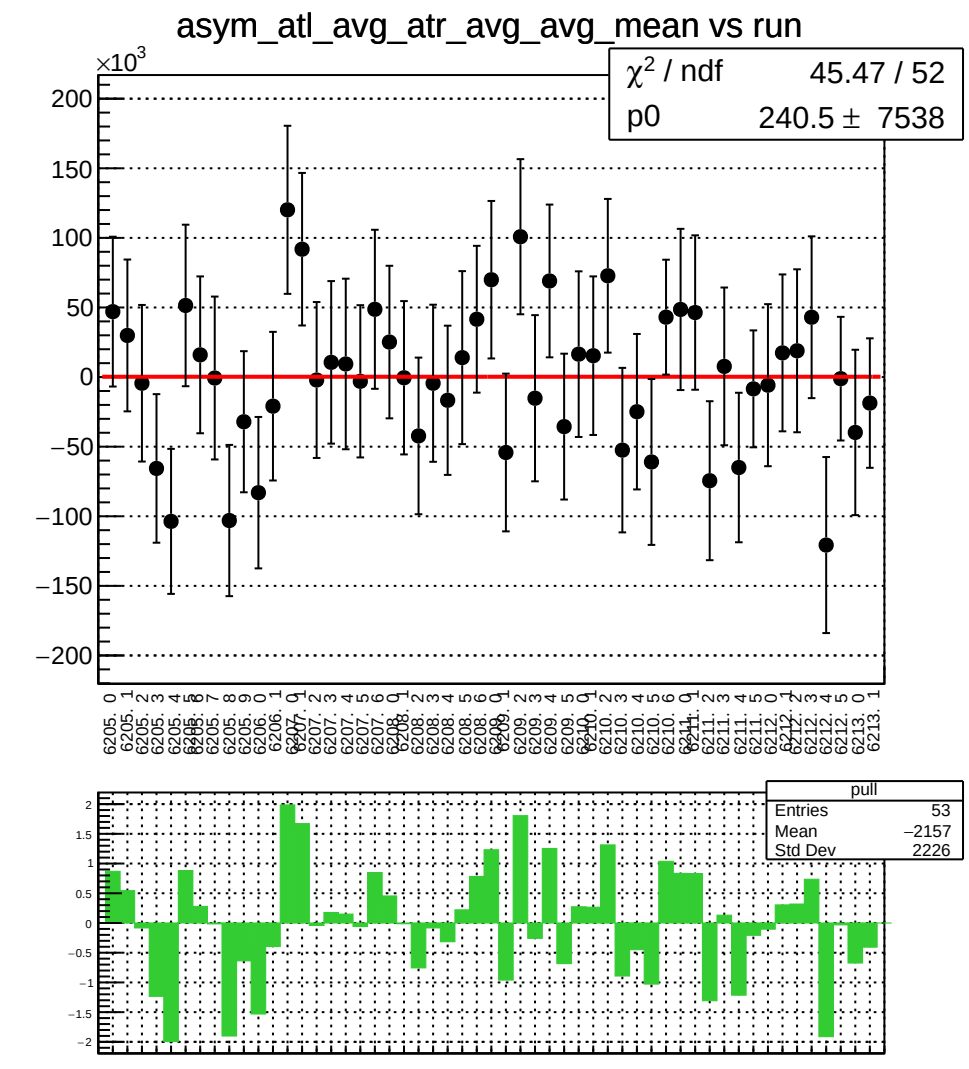

pull1D
Entries 53
Mean 0.009324
Std Dev 0.9348

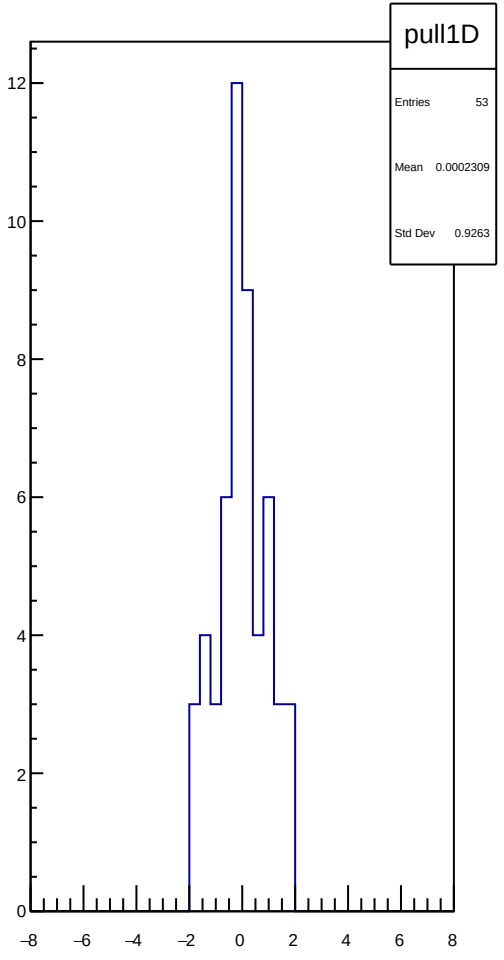

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 1396 / 52
p0 1301 ± 1.286
1450
1400
1350
1300
1250
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

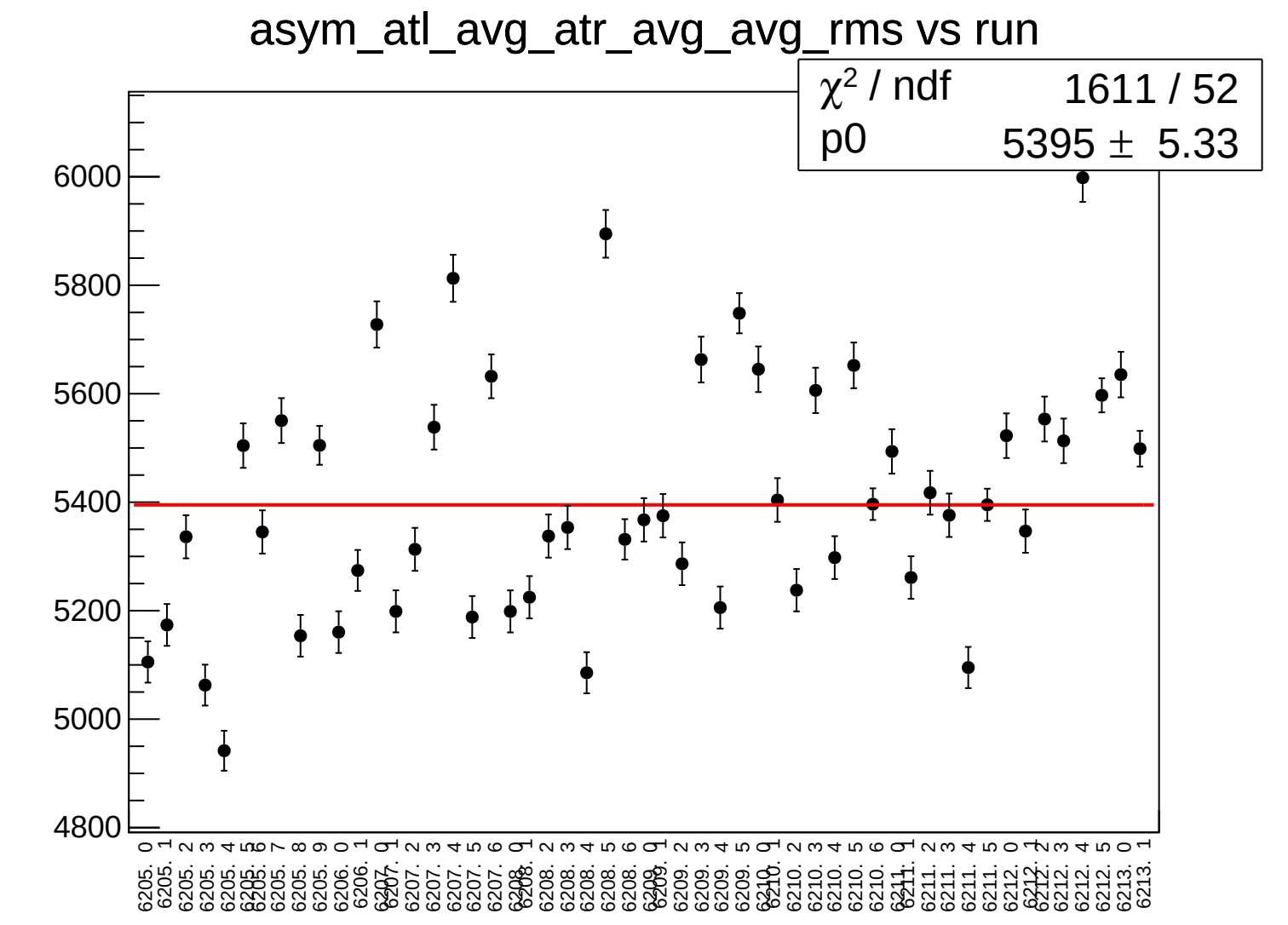

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 43.09 / 52
p0 3433 ± 7306
pull
Entries 53
Mean −227.9
Std Dev 282.2

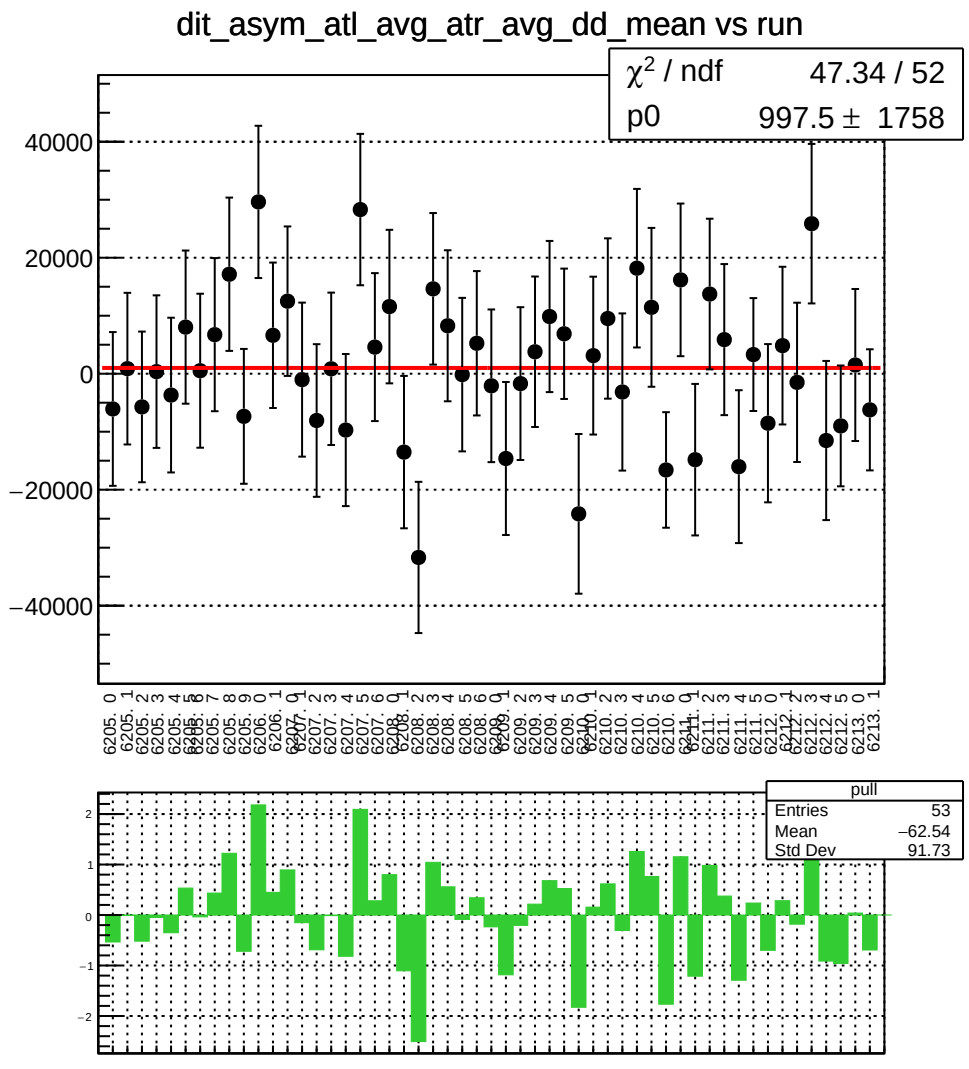

pull1D
Entries 53
Mean −0.003086
Std Dev 0.9017

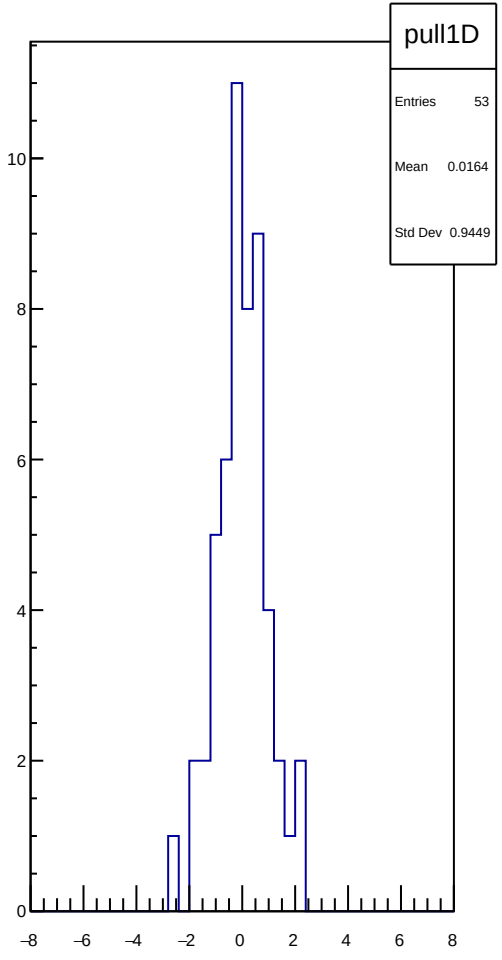

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 1963 / 52
p0 5228 ± 5.166
5800
5600
5400
5200
5000
4800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

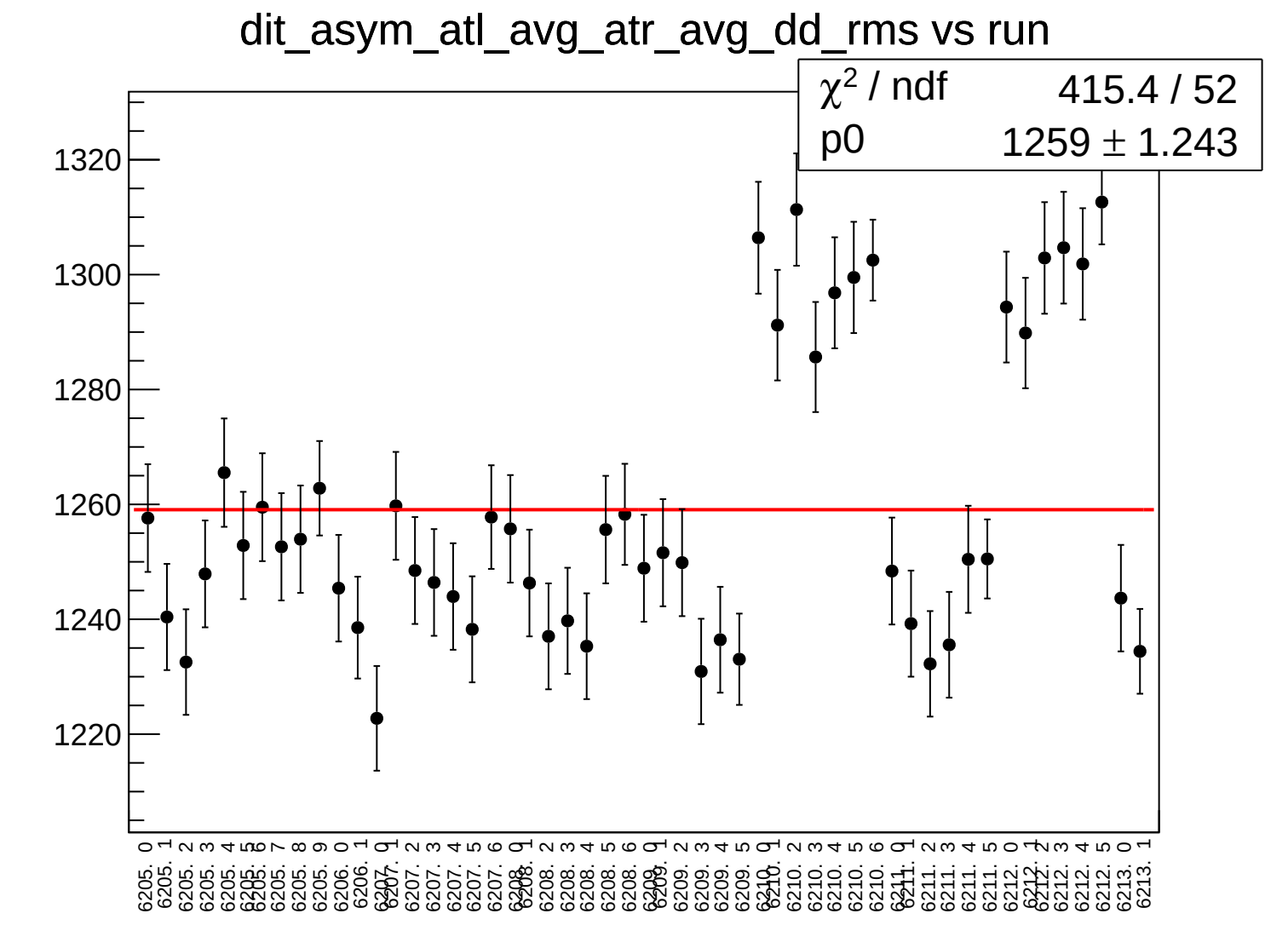

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 45.47 / 52
p0 240.5 ± 7538
pull
Entries 53
Mean −2157
Std Dev 2226

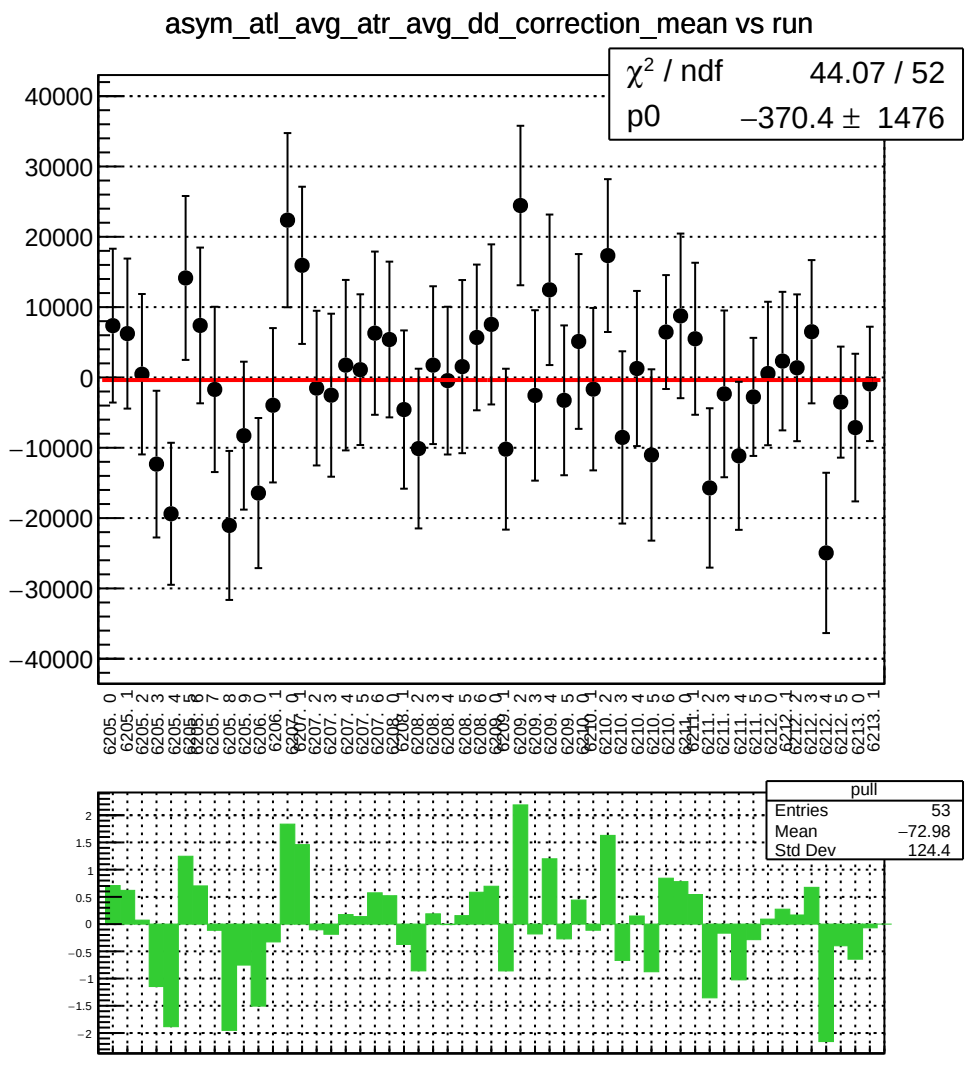

pull1D
Entries 53
Mean 0.0002309
Std Dev 0.9263

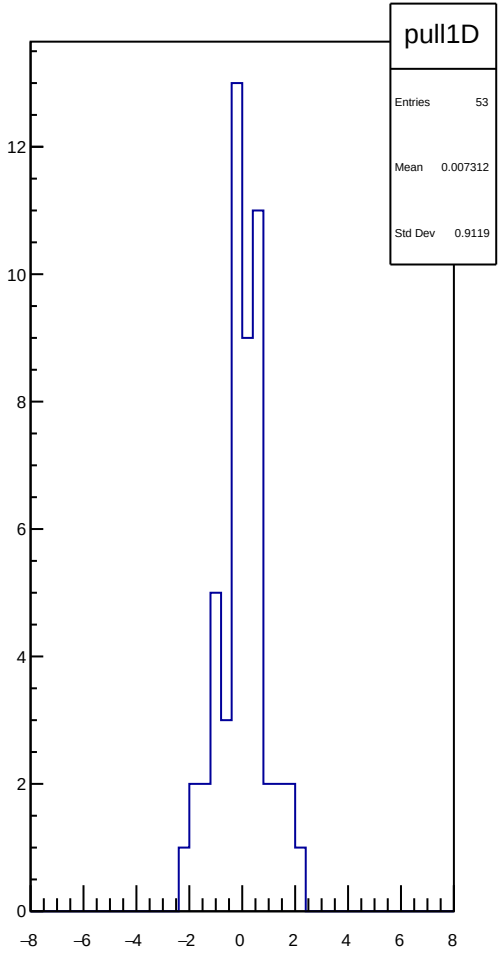

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 1611 / 52
p0 5395 ± 5.33
6000
5800
5600
5400
5200
5000
4800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

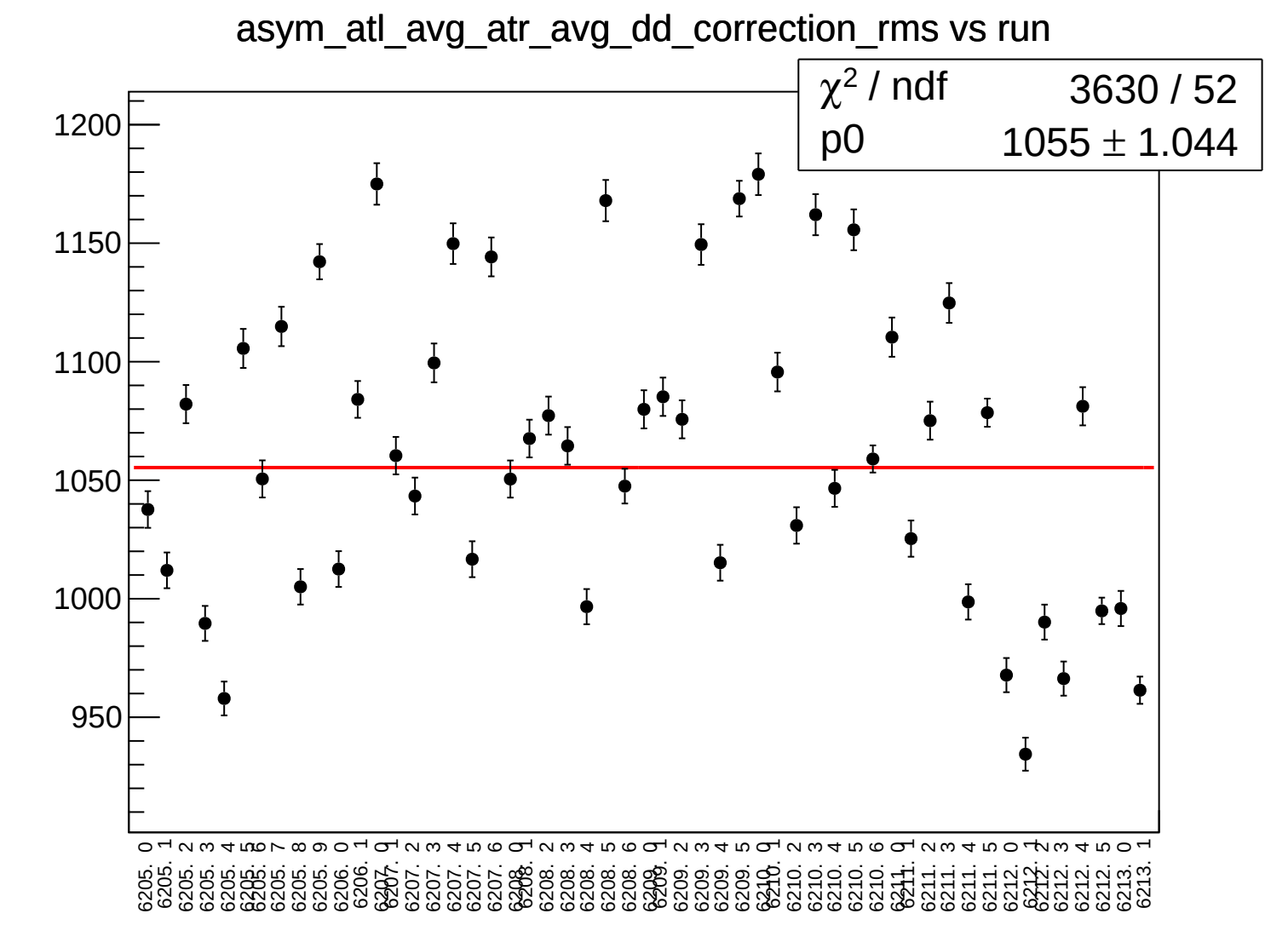

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 47.34 / 52
p0 997.5 ± 1758
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −62.54
Std Dev 91.73
2
1
0
−1
−2

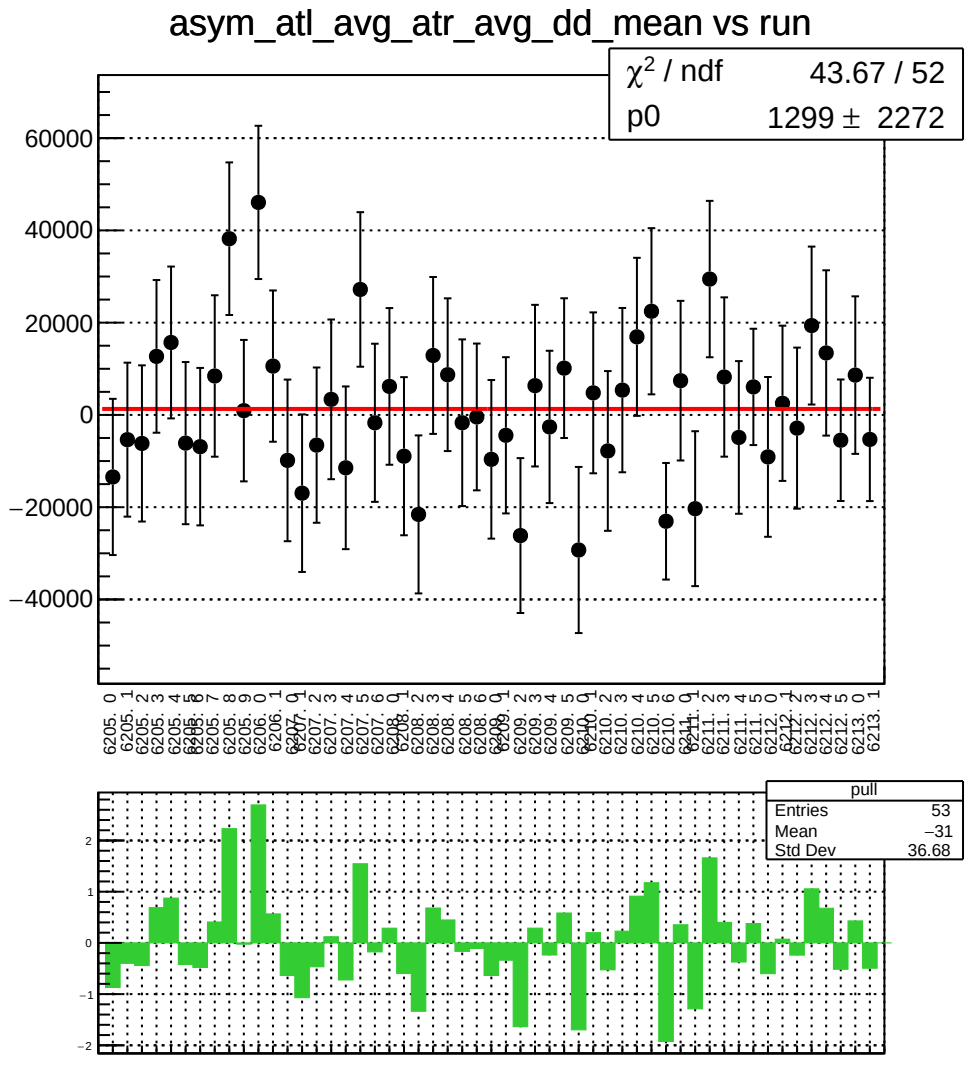

pull1D
Entries 53
Mean 0.0164
Std Dev 0.9449
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

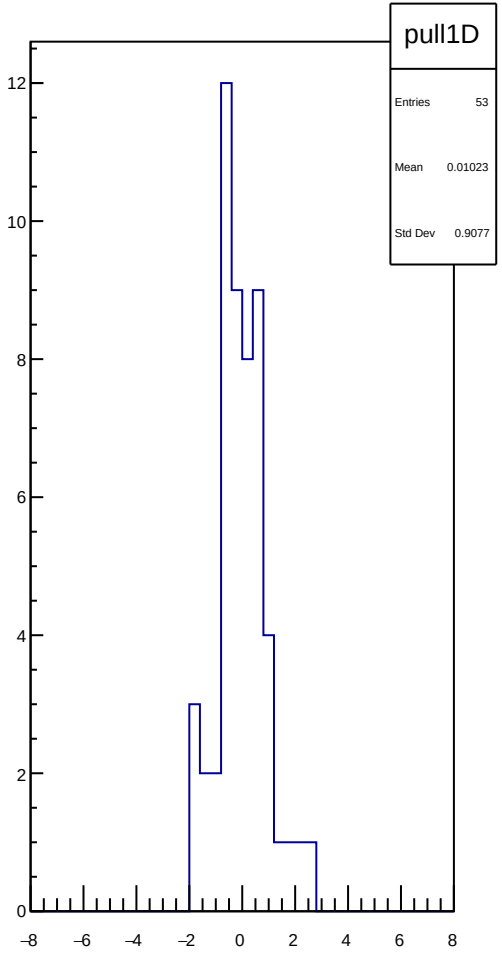

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 415.4 / 52
p0 1259 ± 1.243
1320
1300
1280
1260
1240
1220
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

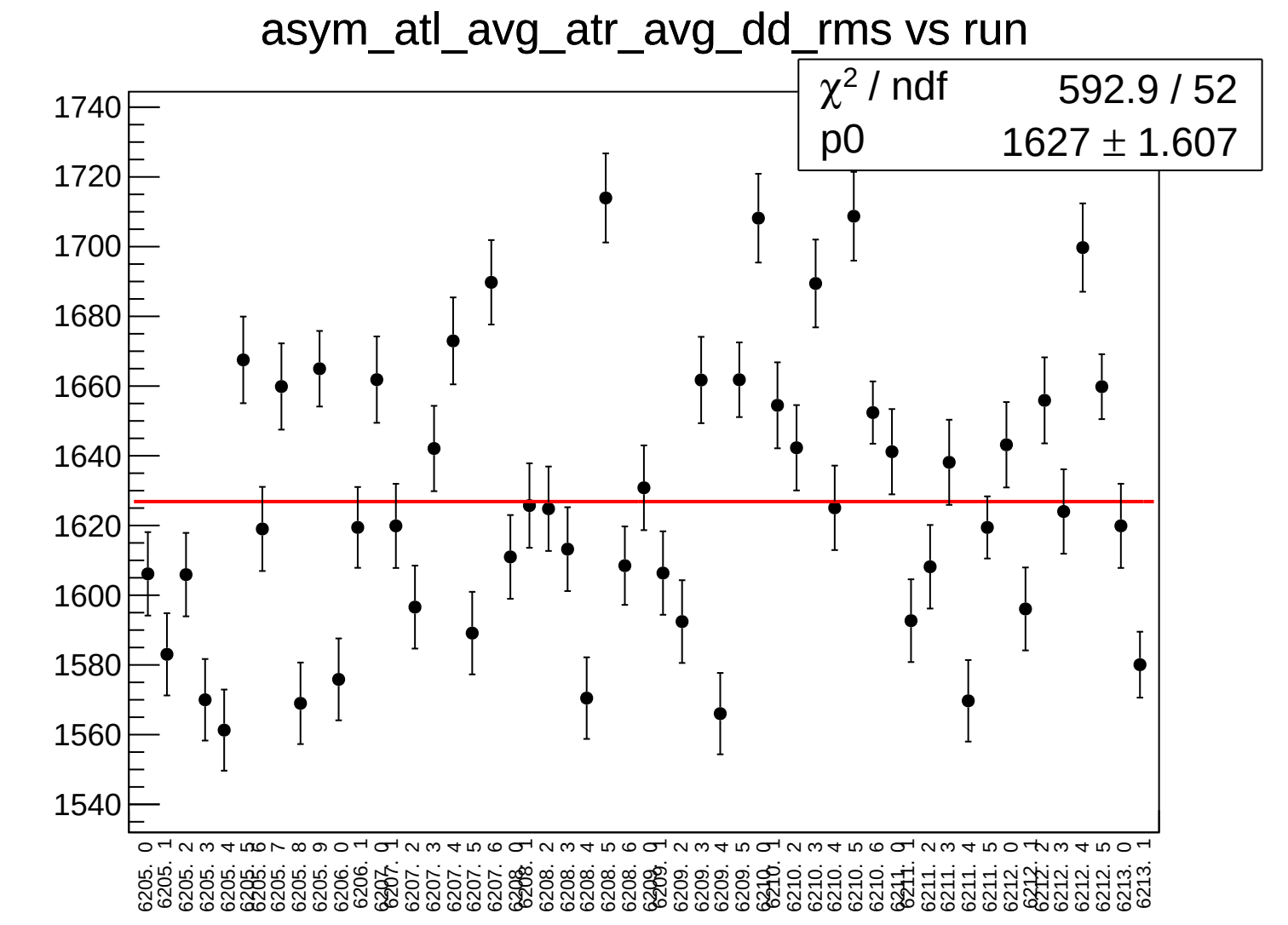

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 44.07 / 52
p0 −370.4 ± 1476
pull
Entries 53
Mean −72.98
Std Dev 124.4

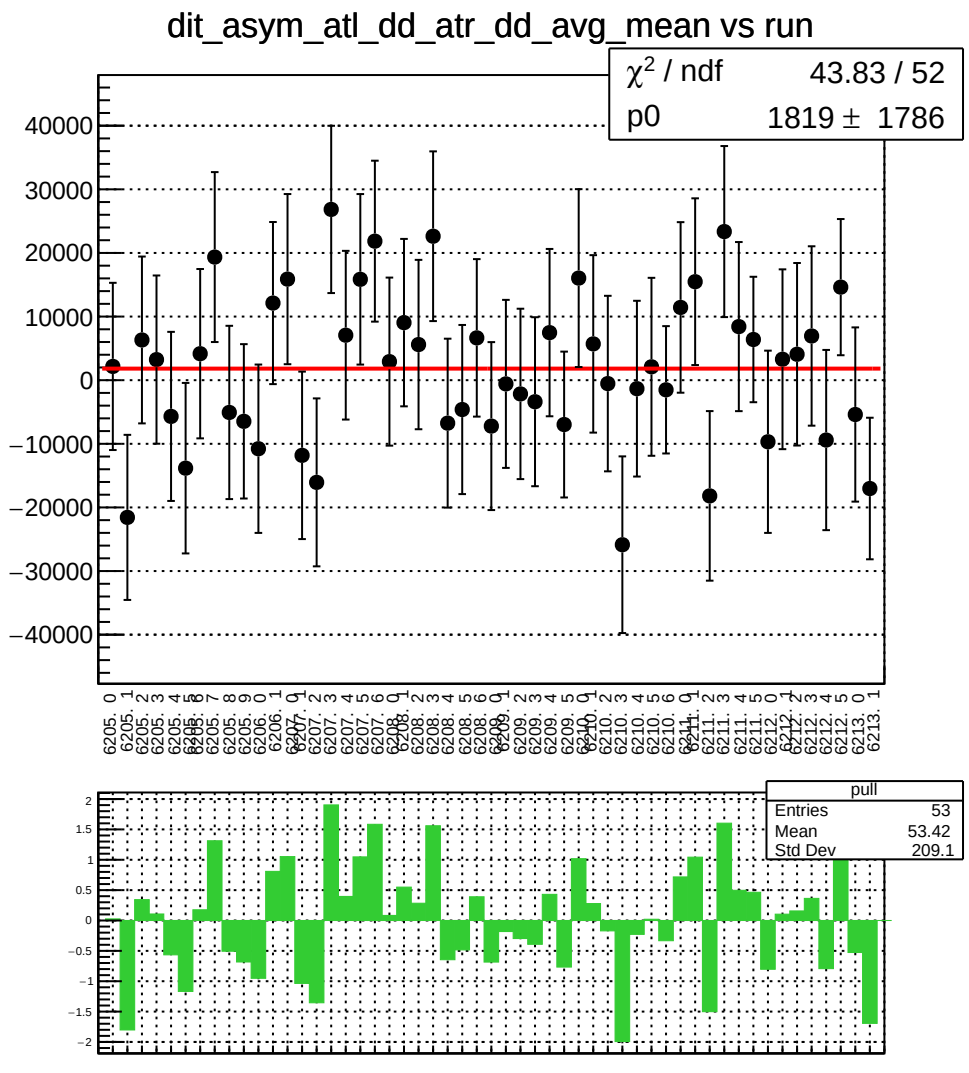

pull1D
Entries 53
Mean 0.007312
Std Dev 0.9119

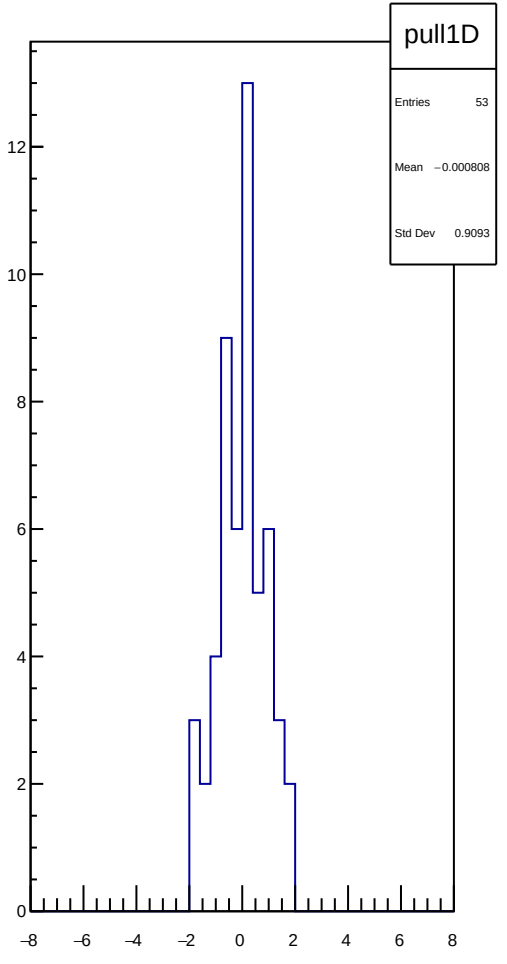

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 3630 / 52
p0 1055 ± 1.044
1200
1150
1100
1050
1000
950
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 9
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

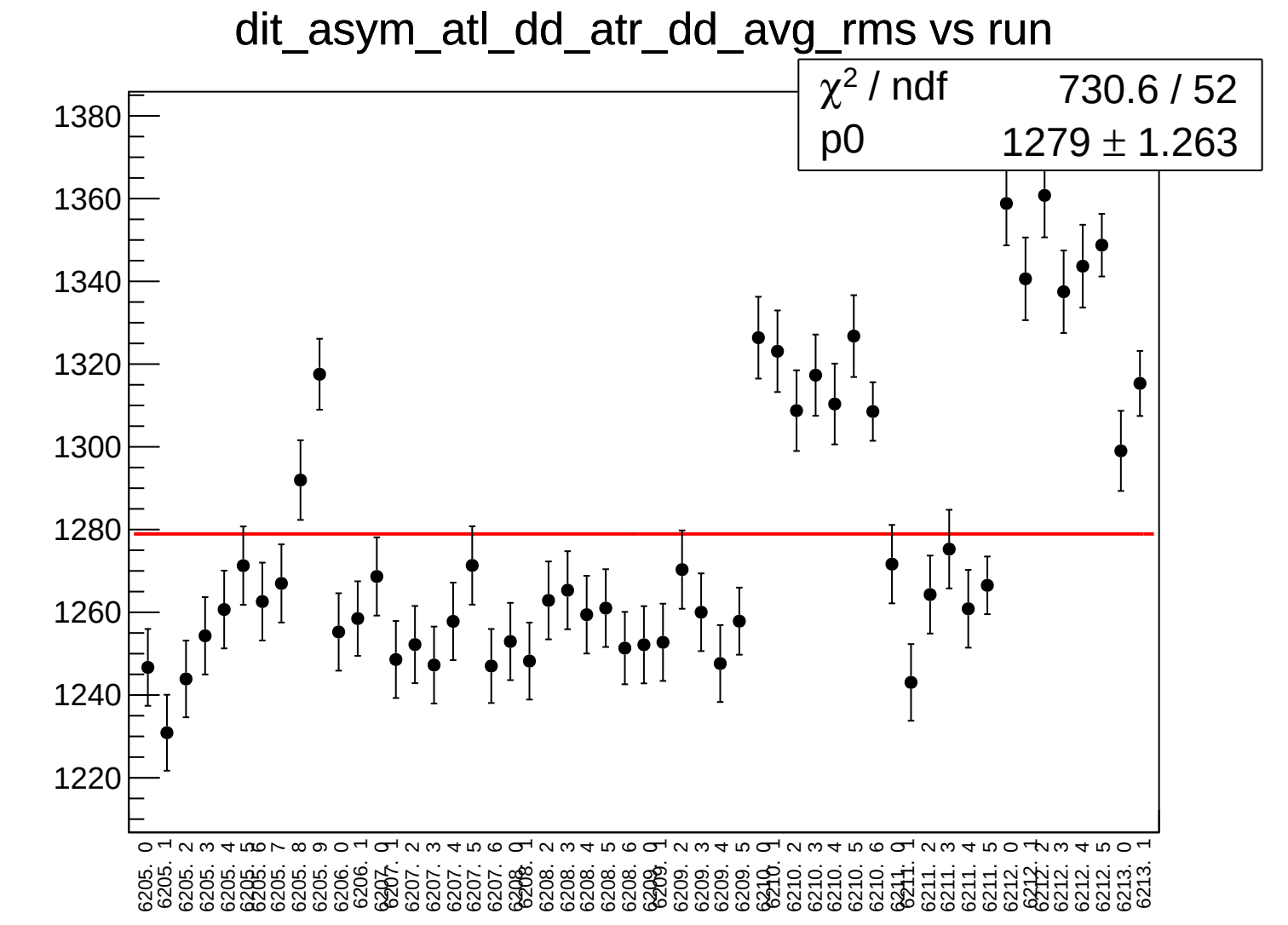

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 43.67 / 52
p0 1299 ± 2272
60000
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −31
Std Dev 36.68
2
1
0
−1
−2

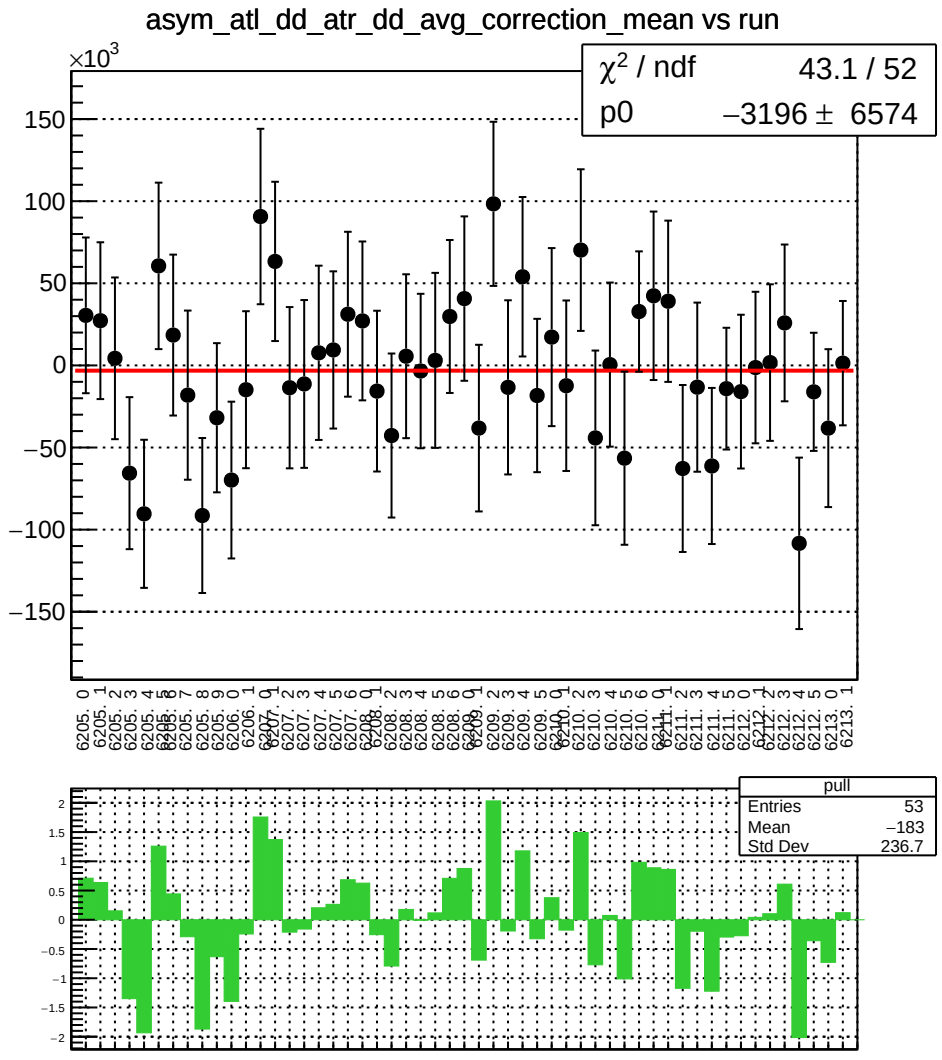

pull1D
Entries 53
Mean 0.01023
Std Dev 0.9077
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

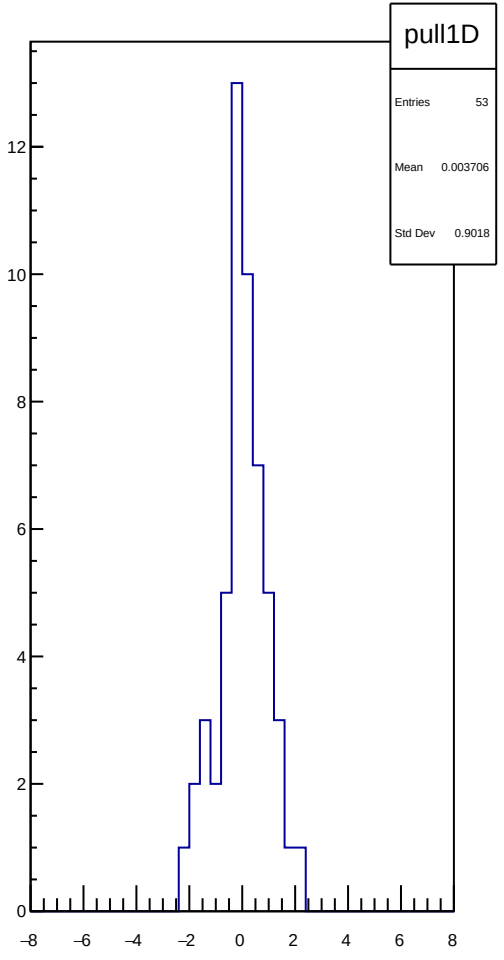

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 592.9 / 52
p0 1627 ± 1.607
1740
1720
1700
1680
1660
1640
1620
1600
1580
1560
1540
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

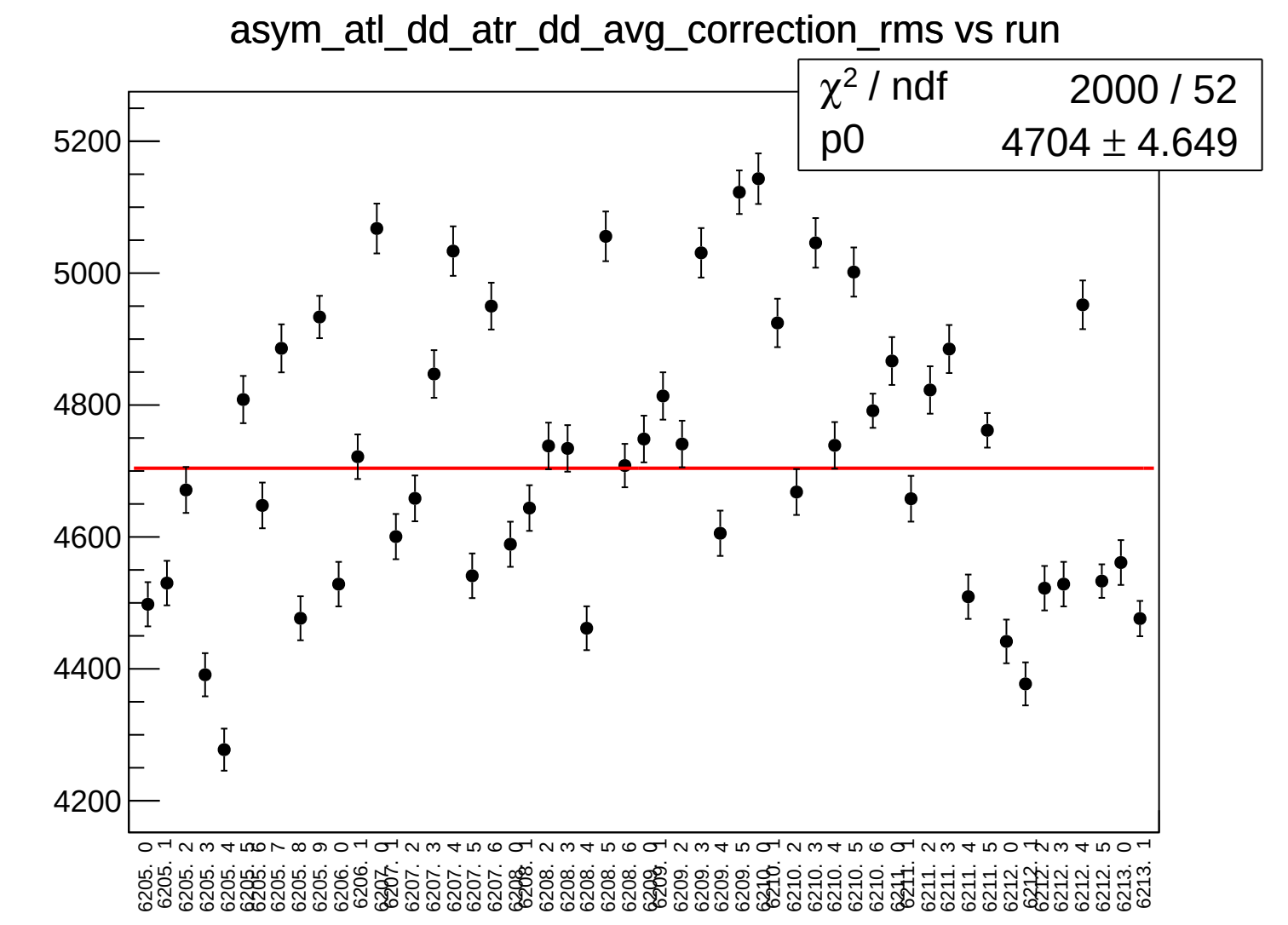

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 43.83 / 52
p0 1819 ± 1786
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 53
Mean 53.42
Std Dev 209.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

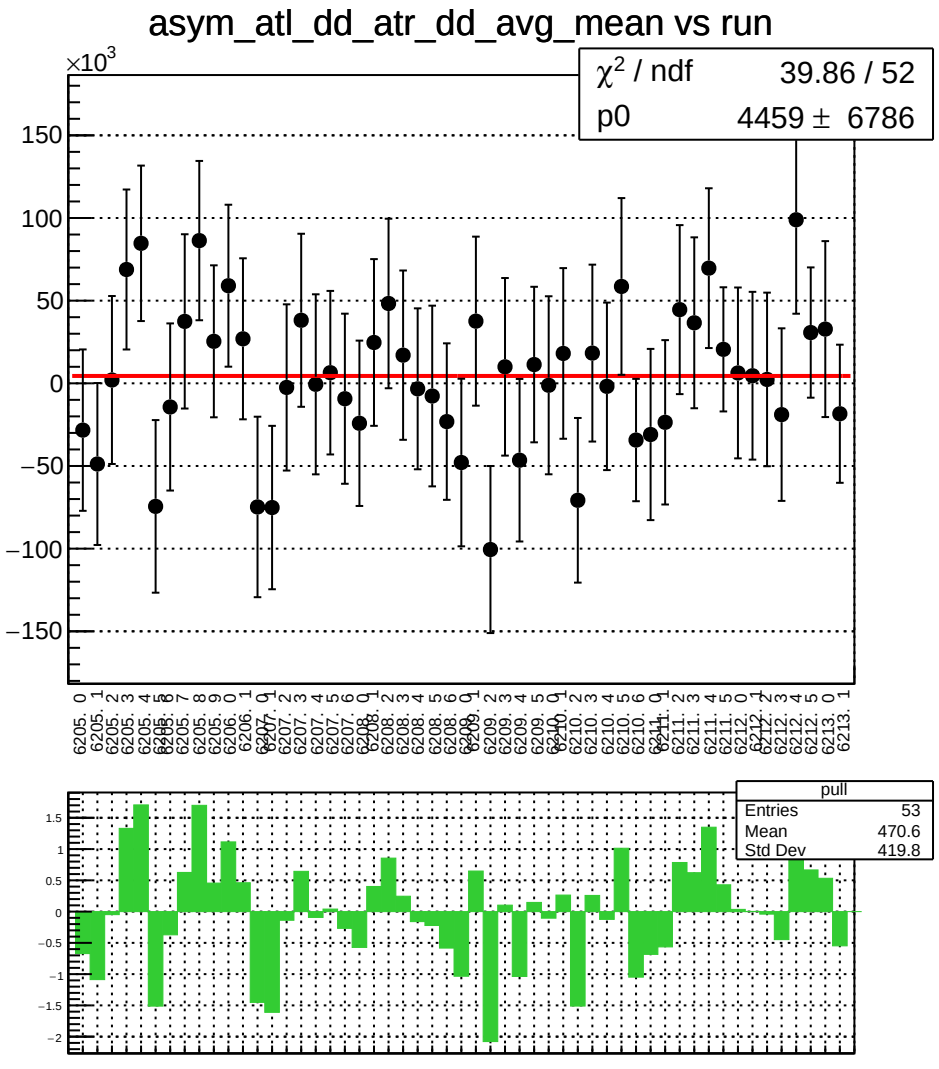

pull1D
Entries 53
Mean −0.000808
Std Dev 0.9093
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

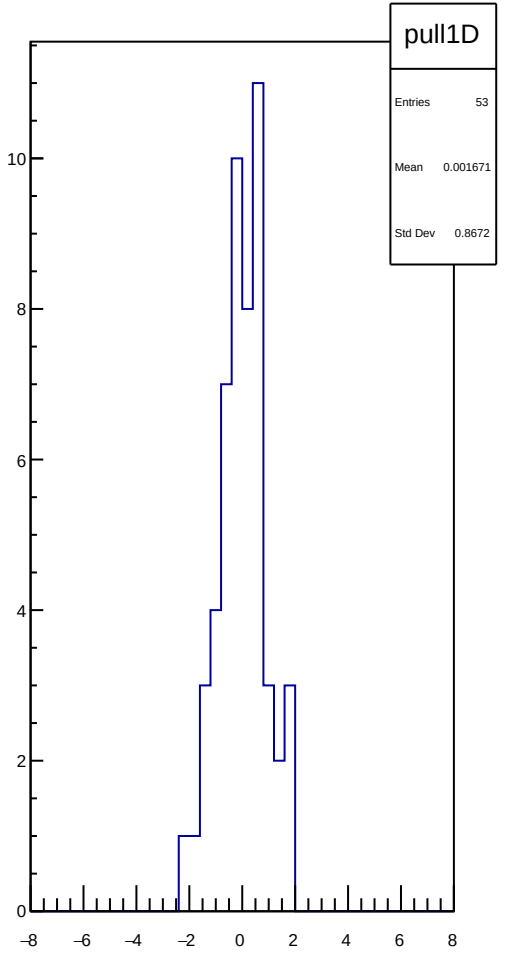

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 730.6 / 52
p0 1279 ± 1.263
1380
1360
1340
1320
1300
1280
1260
1240
1220
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 9
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

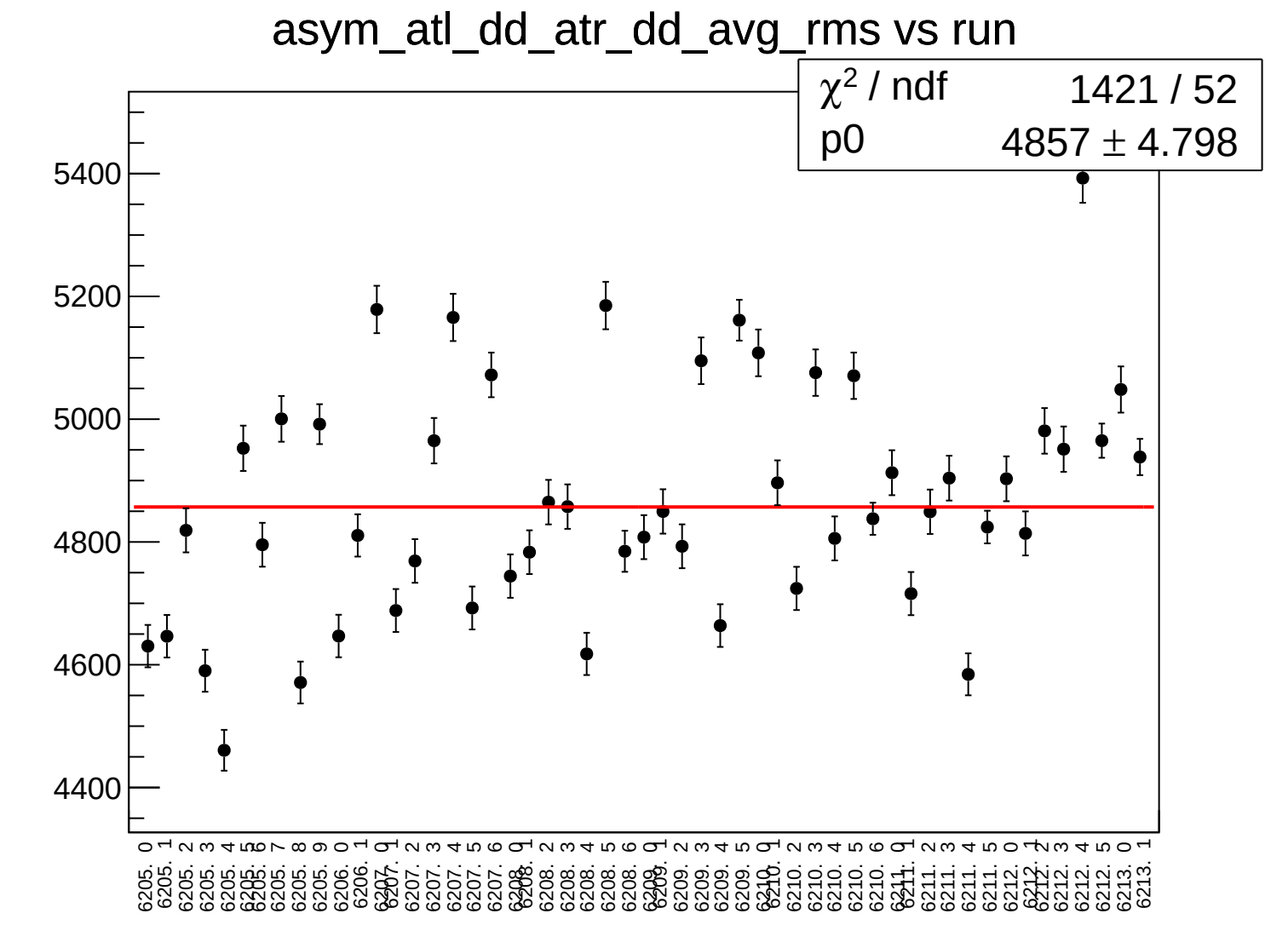

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 43.1 / 52
p0 −3196 ± 6574
150
100
50
0
−50
−100
−150
pull
Entries 53
Mean −183
Std Dev 236.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

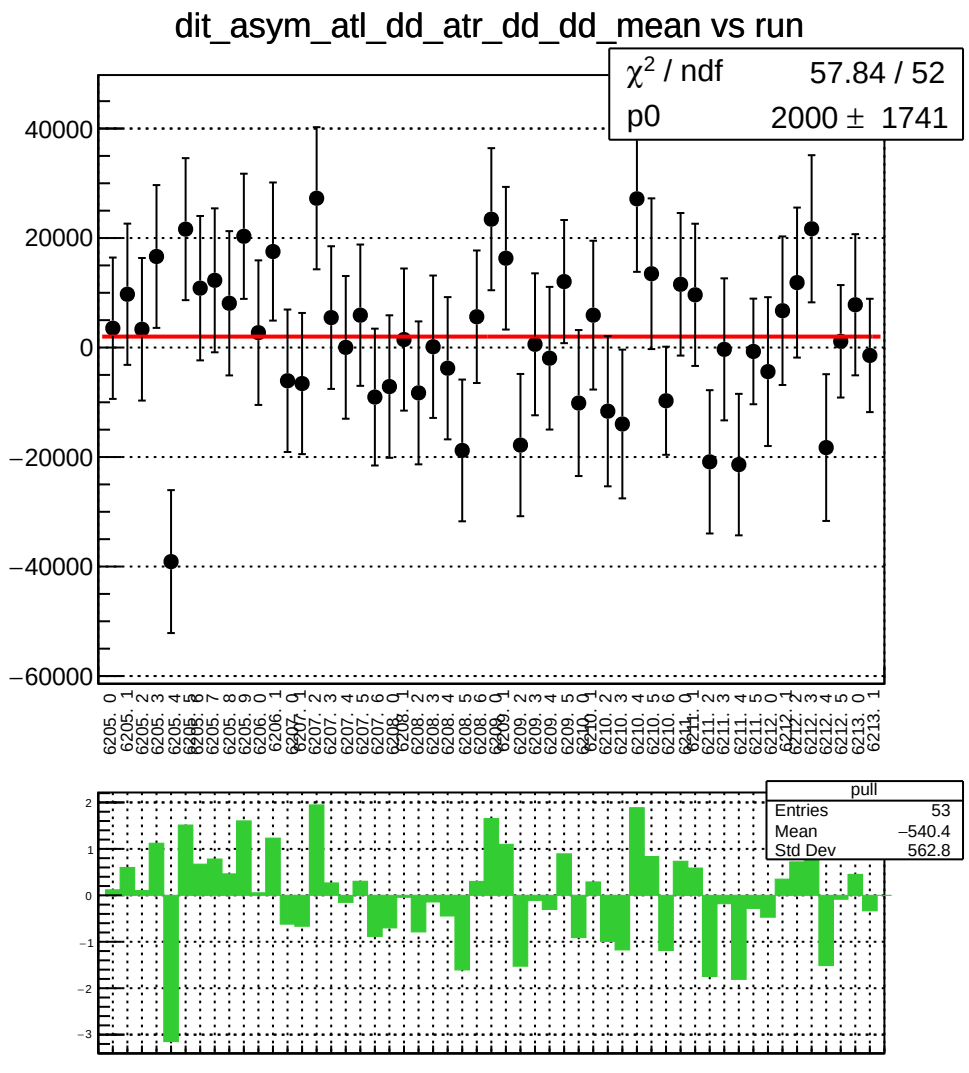

pull1D
Entries 53
Mean 0.003706
Std Dev 0.9018
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

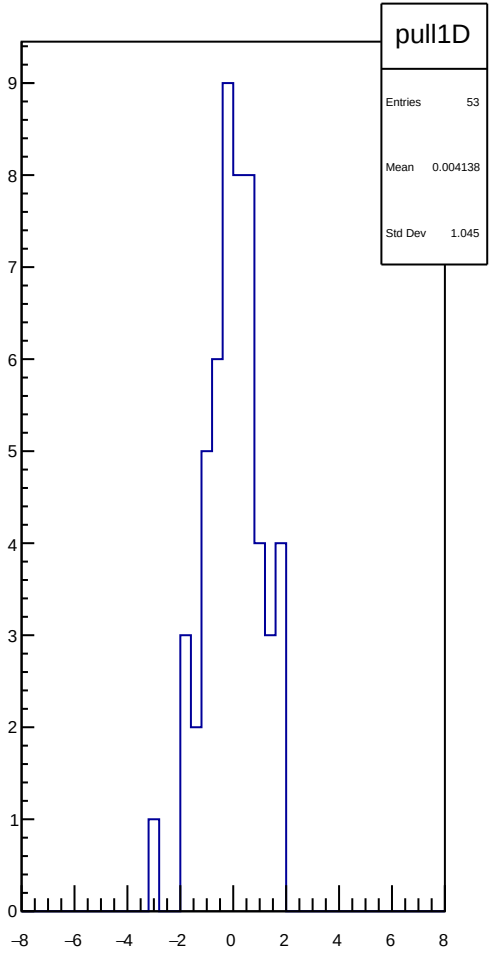

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 2000 / 52
p0 4704 ± 4.649
5200
5000
4800
4600
4400
4200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

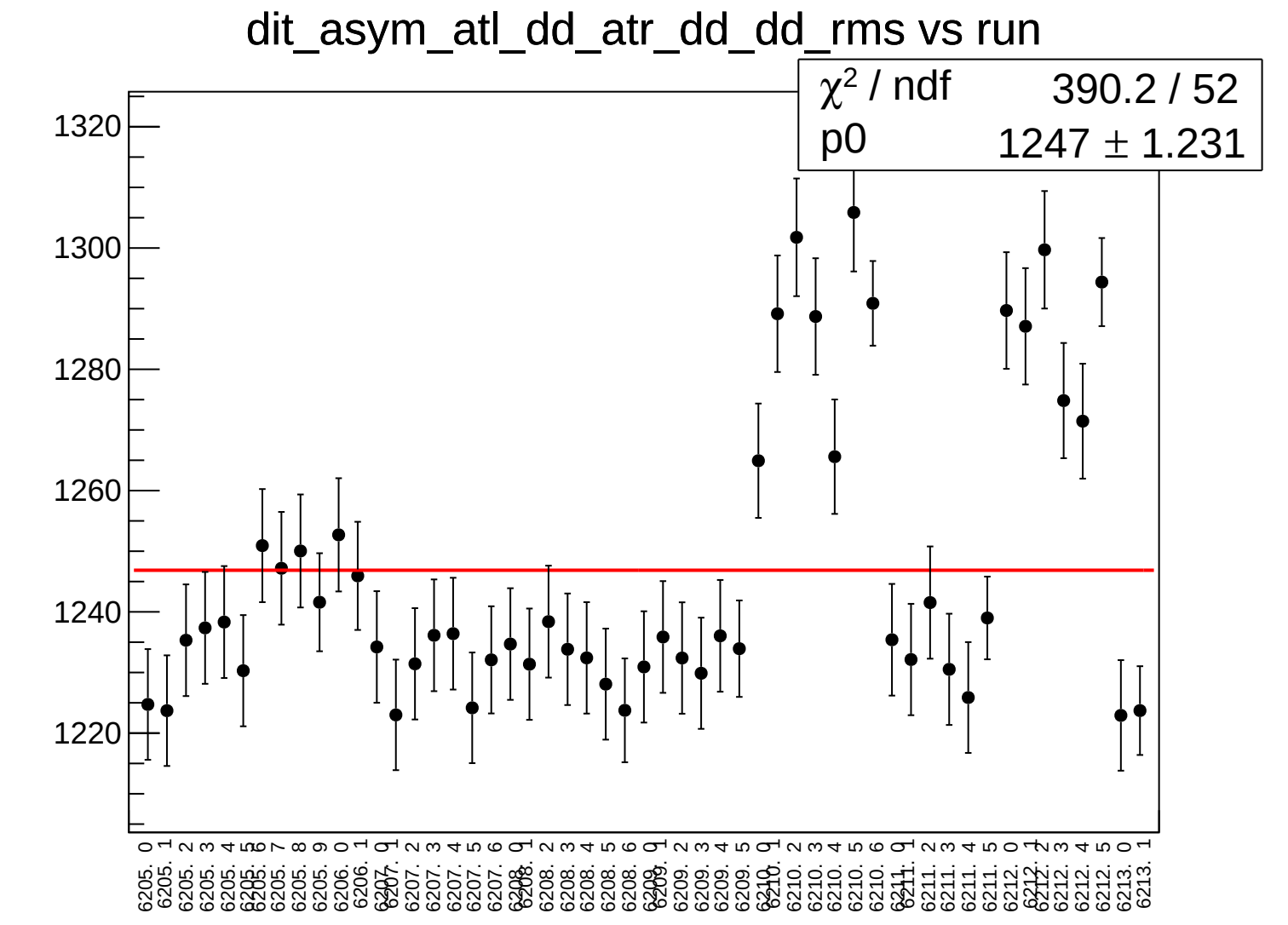

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ^2 / ndf 39.86 / 52
p0 4459 ± 6786
150
100
50
0
−50
−100
−150
pull
Entries 53
Mean 470.6
Std Dev 419.8
1.5
1
0.5
0
−0.5
−1
−1.5
−2

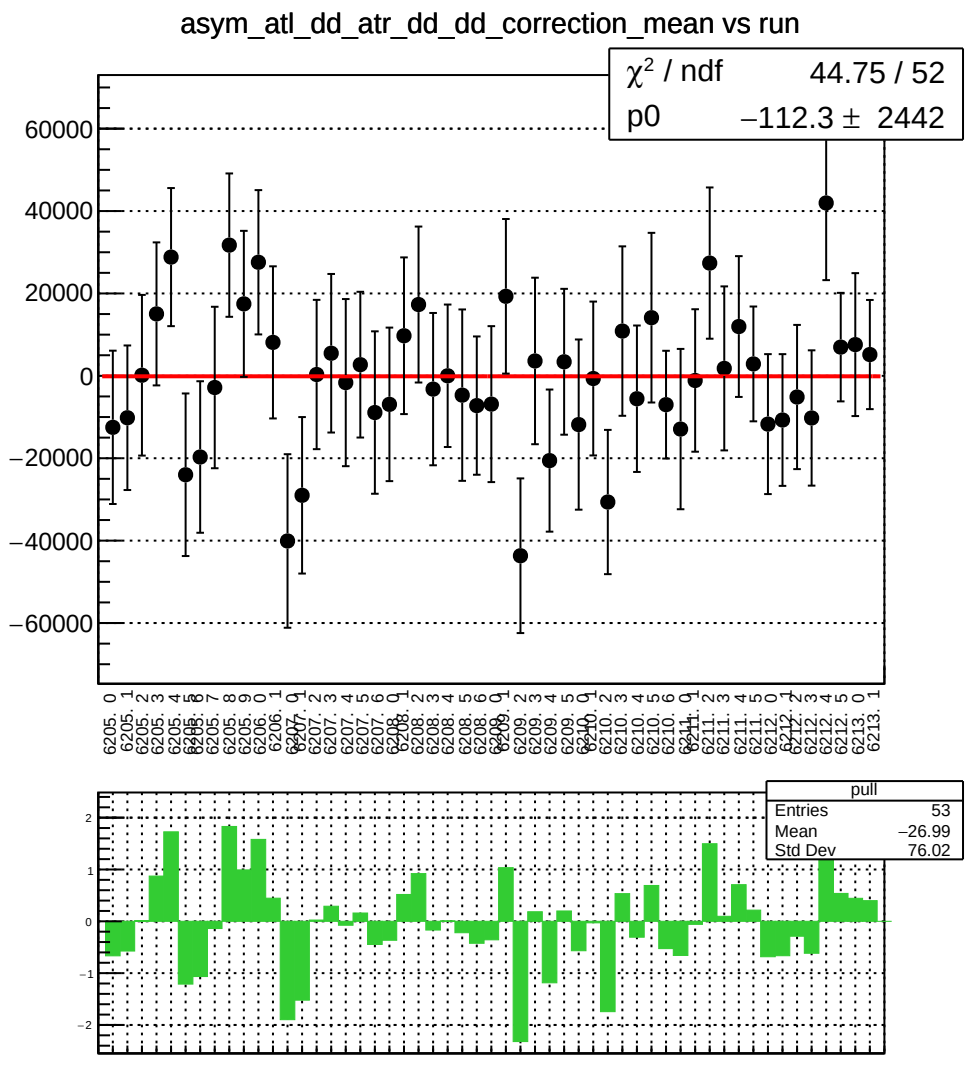

pull1D
Entries 53
Mean 0.001671
Std Dev 0.8672
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

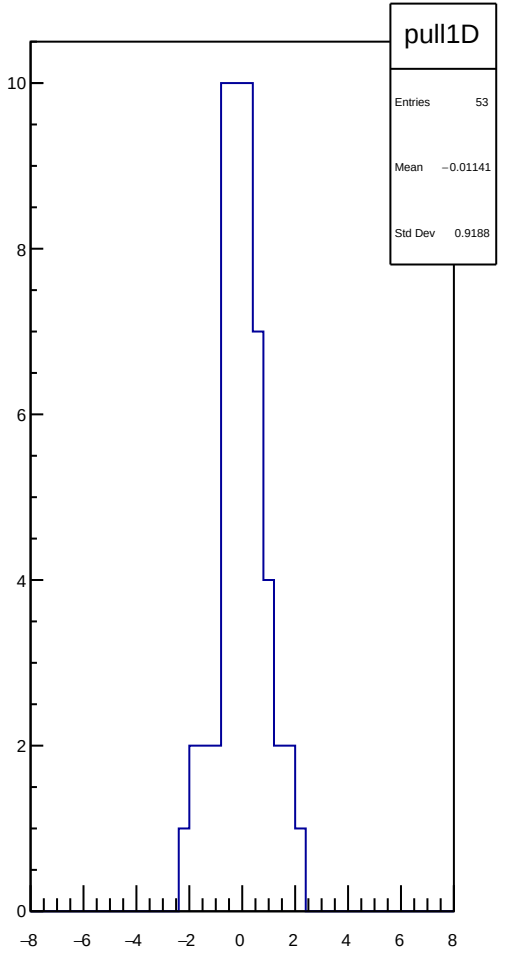

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 1421 / 52
p0 4857 ± 4.798
5400
5200
5000
4800
4600
4400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 9
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

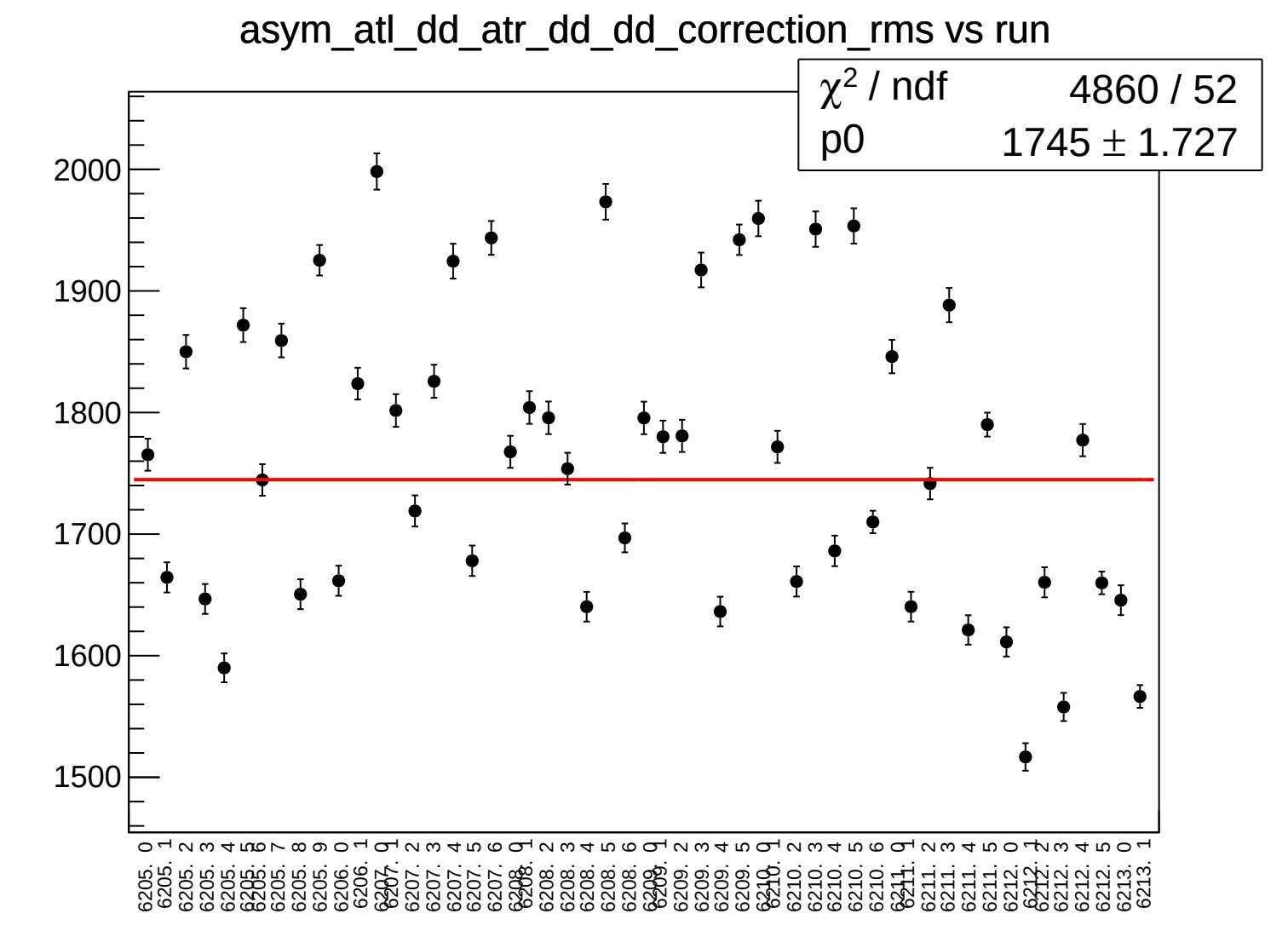

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 57.84 / 52
p0 2000 ± 1741
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −540.4
Std Dev 562.8
2
1
0
−1
−2
−3

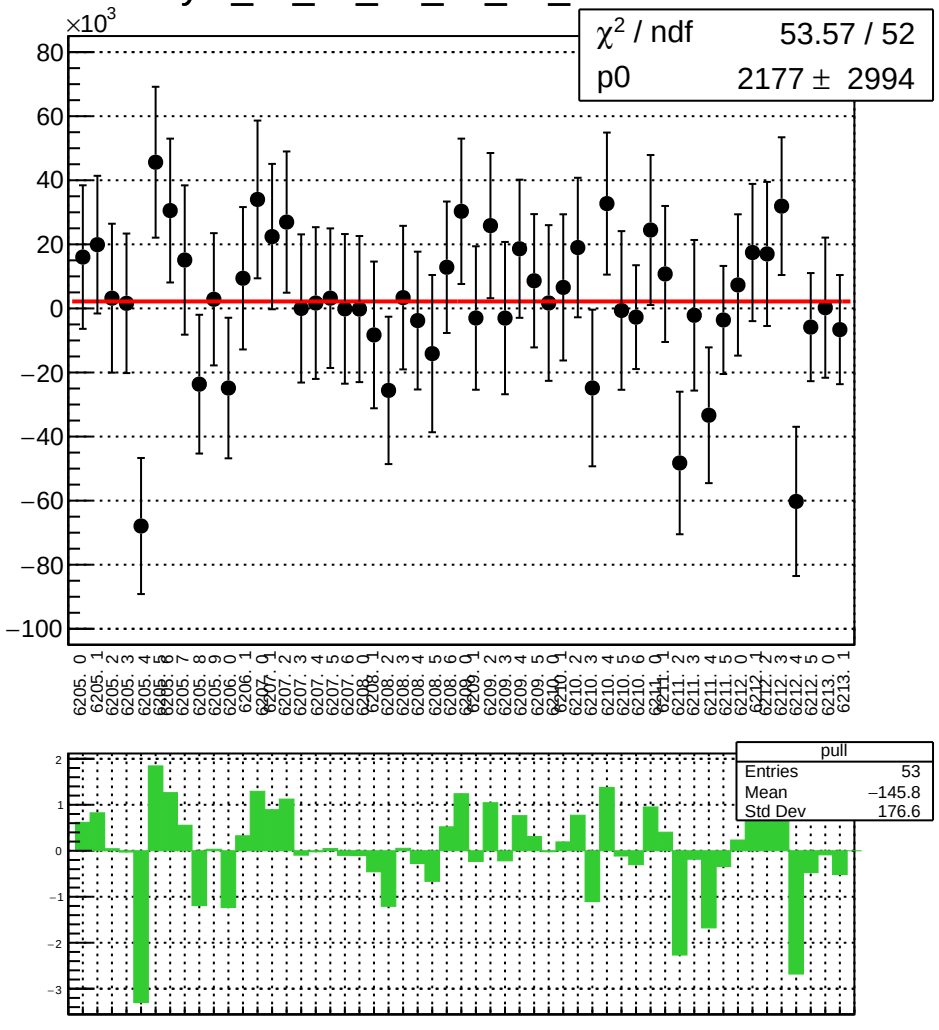

pull1D
Entries 53
Mean 0.004138
Std Dev 1.045
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

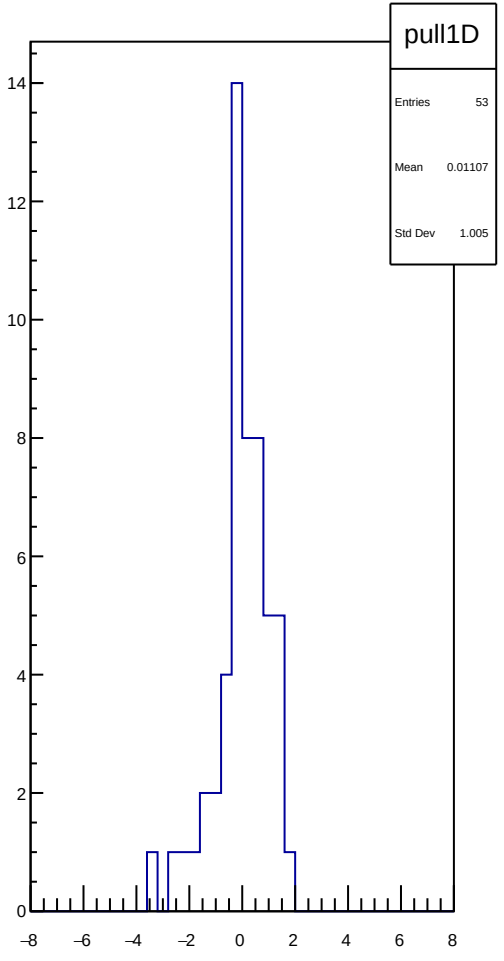

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 390.2 / 52
p0 1247 ± 1.231
1320
1300
1280
1260
1240
1220
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

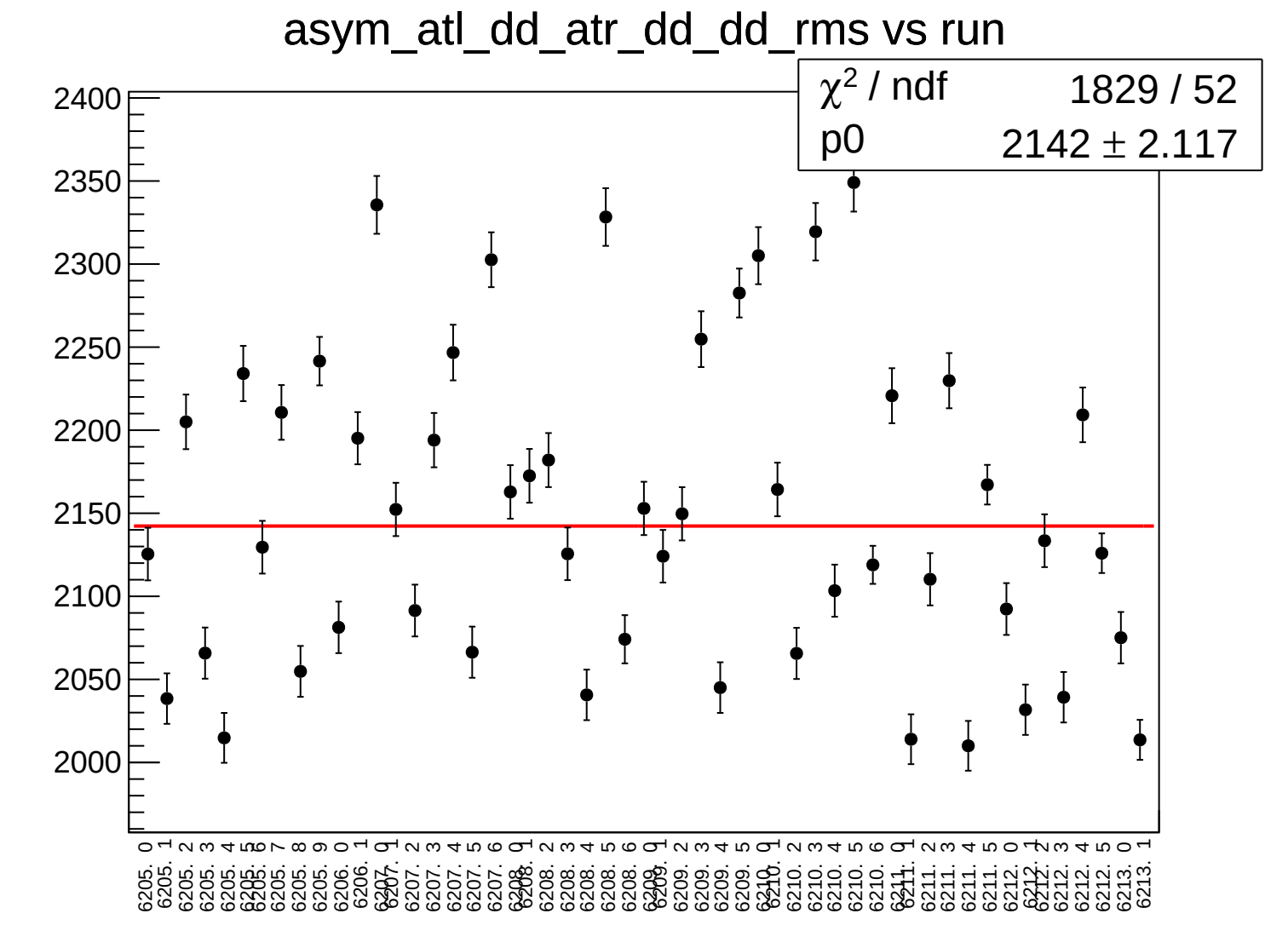

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 44.75 / 52
p0 −112.3 ± 2442
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −26.99
Std Dev 76.02
2
1
0
−1
−2

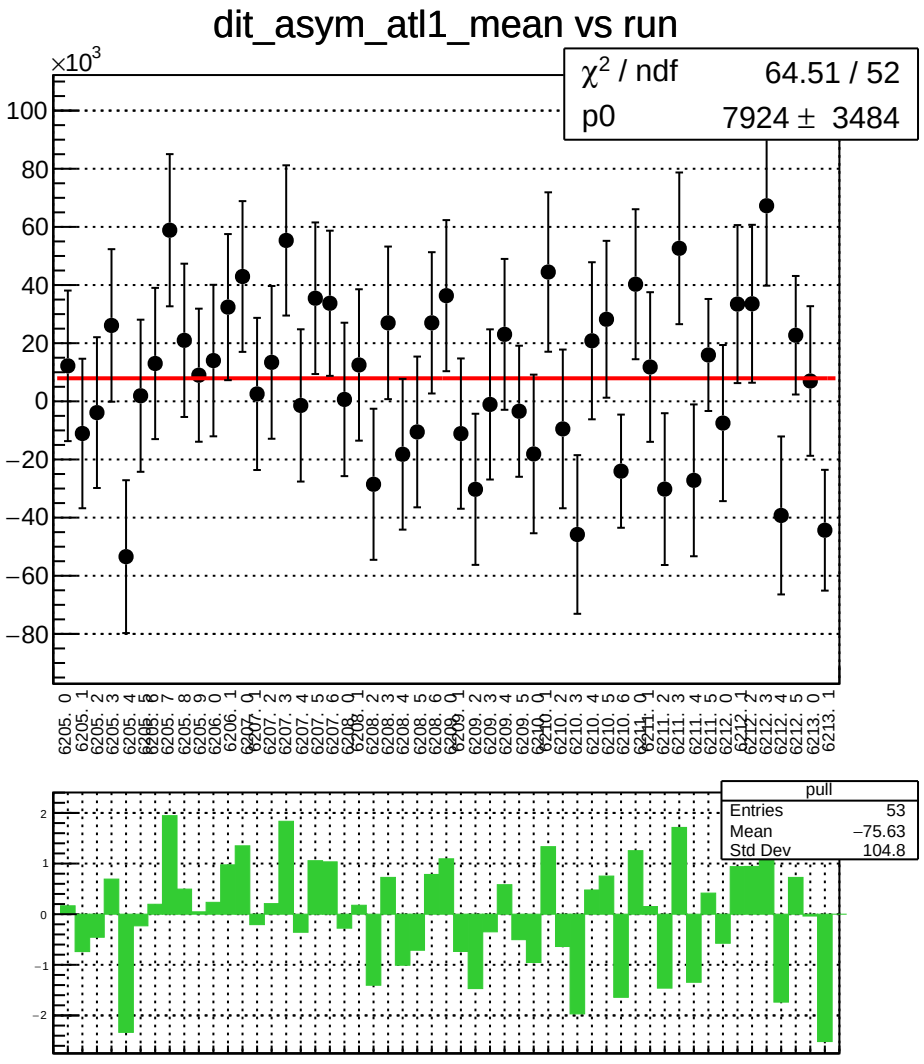

pull1D
Entries 53
Mean −0.01141
Std Dev 0.9188
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

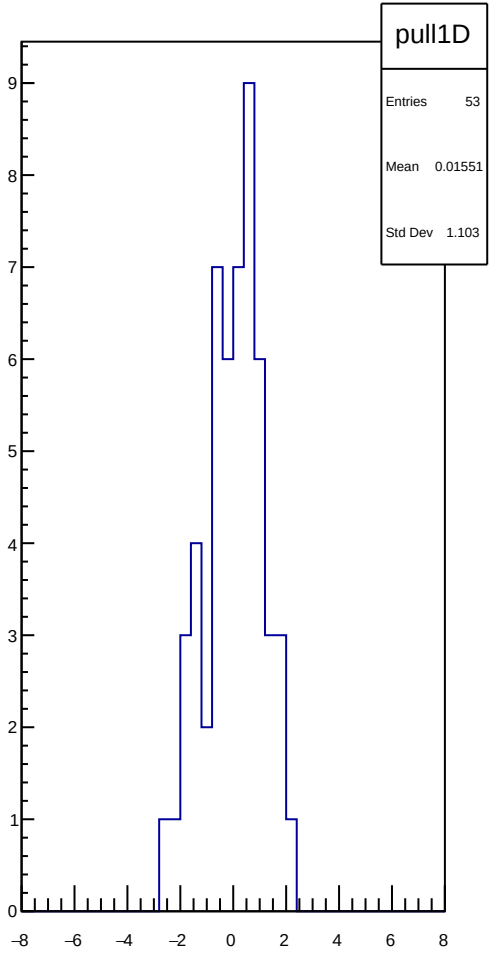

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 4860 / 52
p0 1745 ± 1.727
2000
1900
1800
1700
1600
1500
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

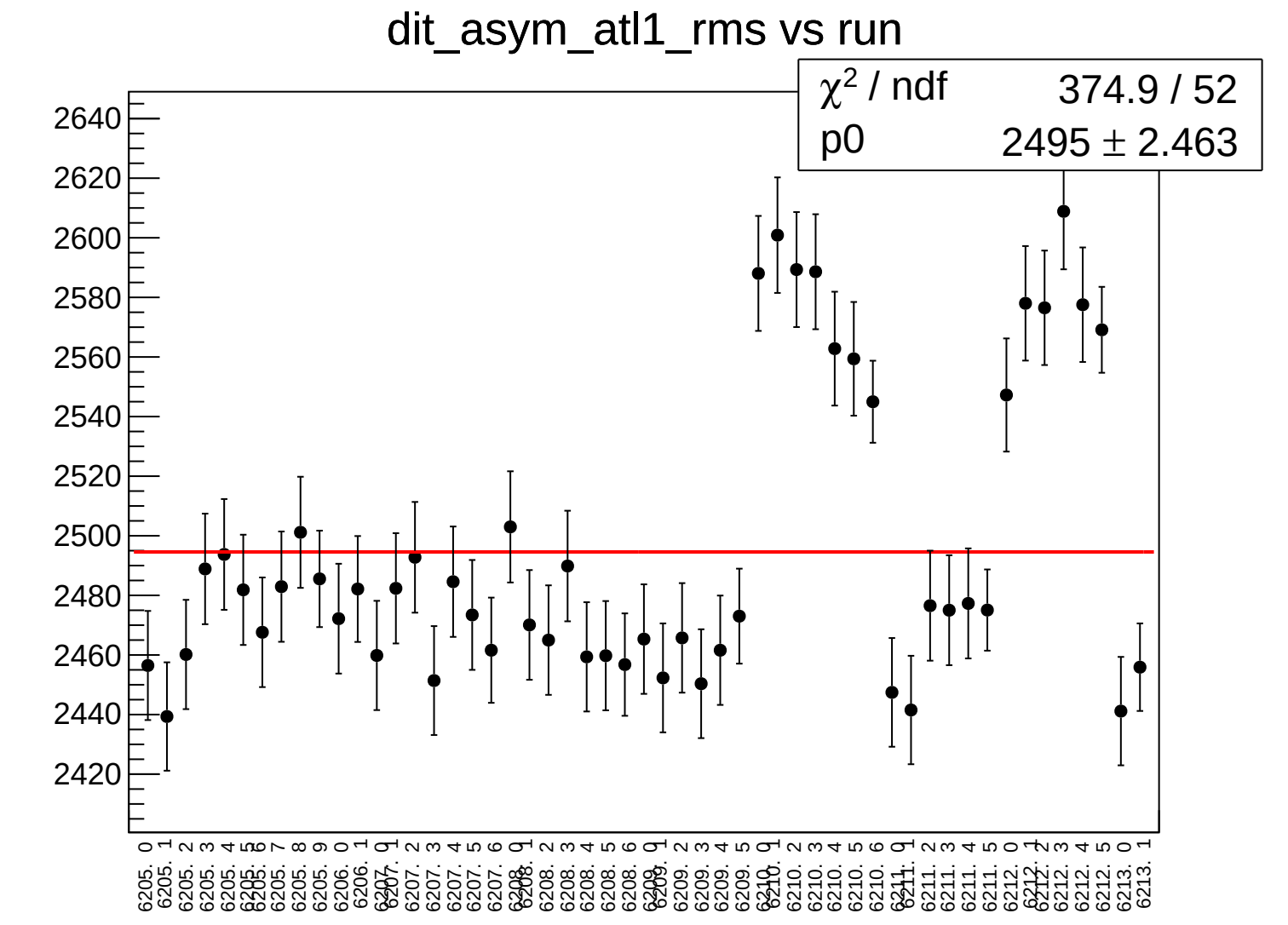

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 53.57 / 52
p0 2177 ± 2994
×10³
pull
Entries 53
Mean −145.8
Std Dev 176.6

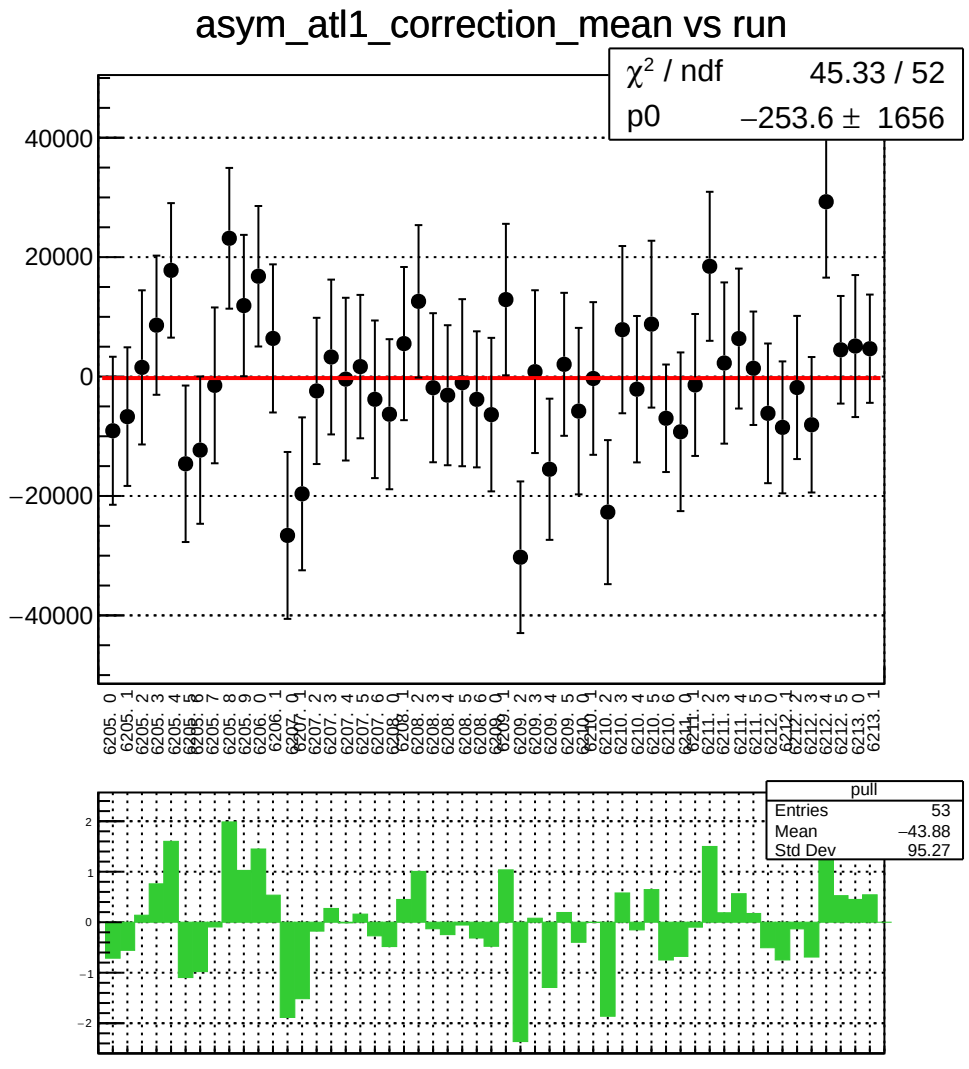

pull1D
Entries 53
Mean 0.01107
Std Dev 1.005

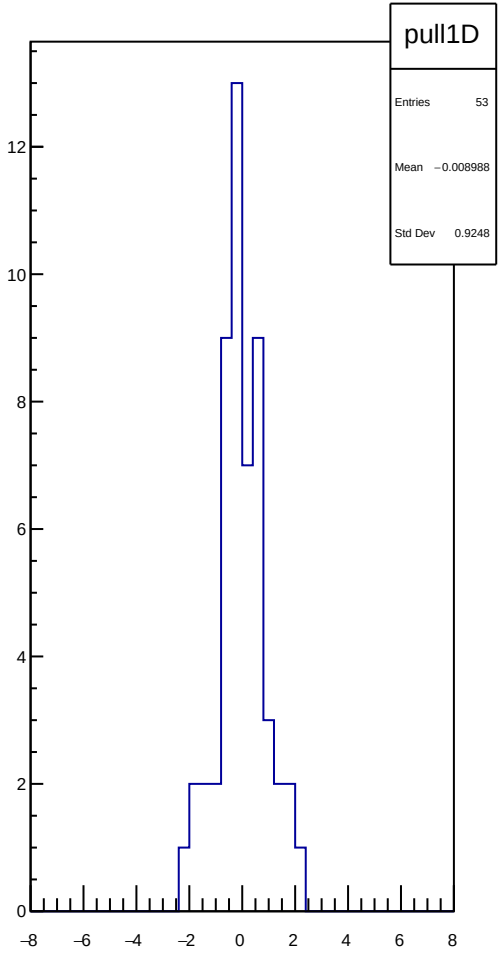

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1829 / 52
p0 2142 ± 2.117
2400
2350
2300
2250
2200
2150
2100
2050
2000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

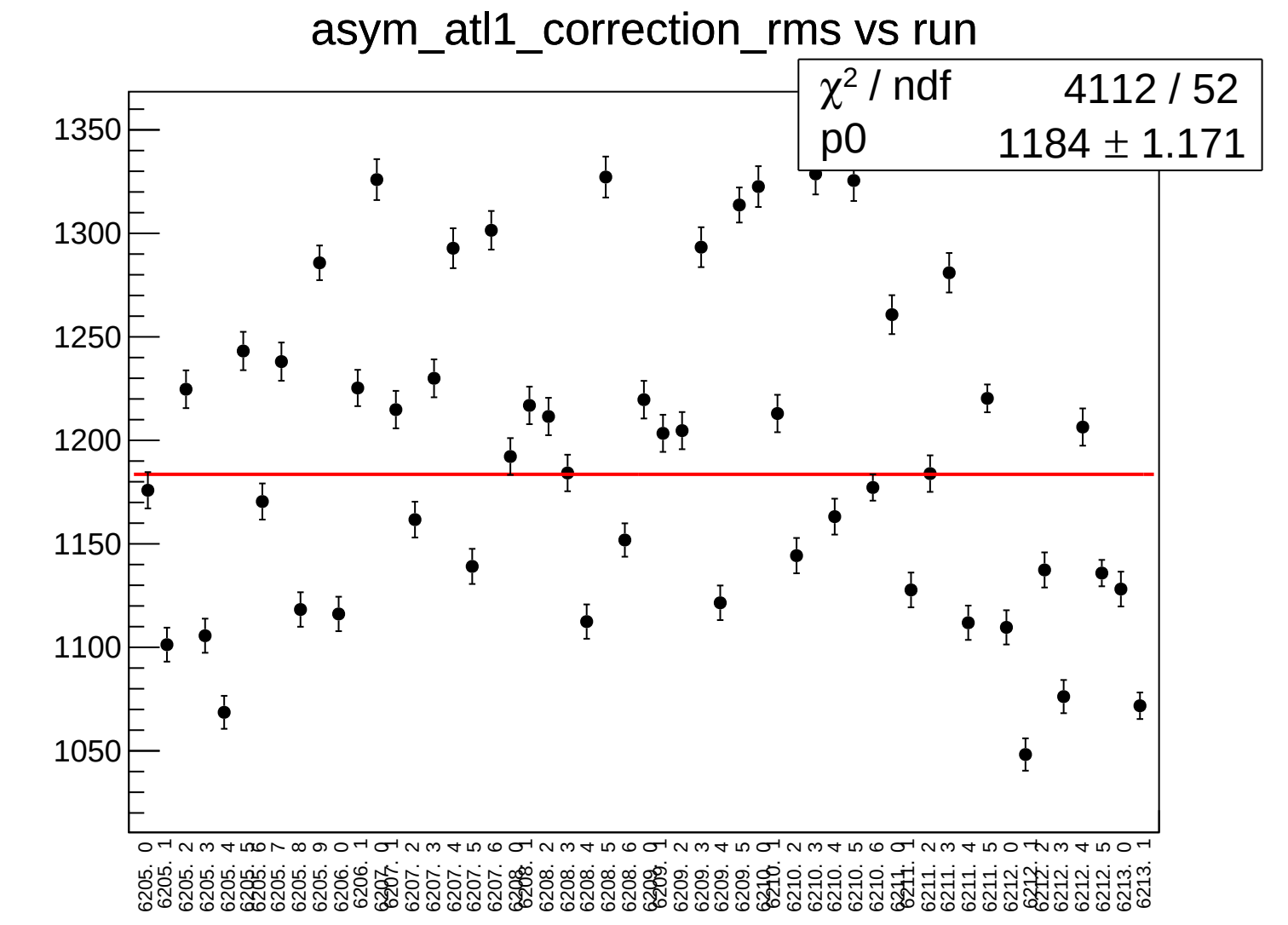

dit_asym_atl1_mean vs run
×10^3
χ^2 / ndf 64.51 / 52
p0 7924 ± 3484
pull
Entries 53
Mean −75.63
Std Dev 104.8

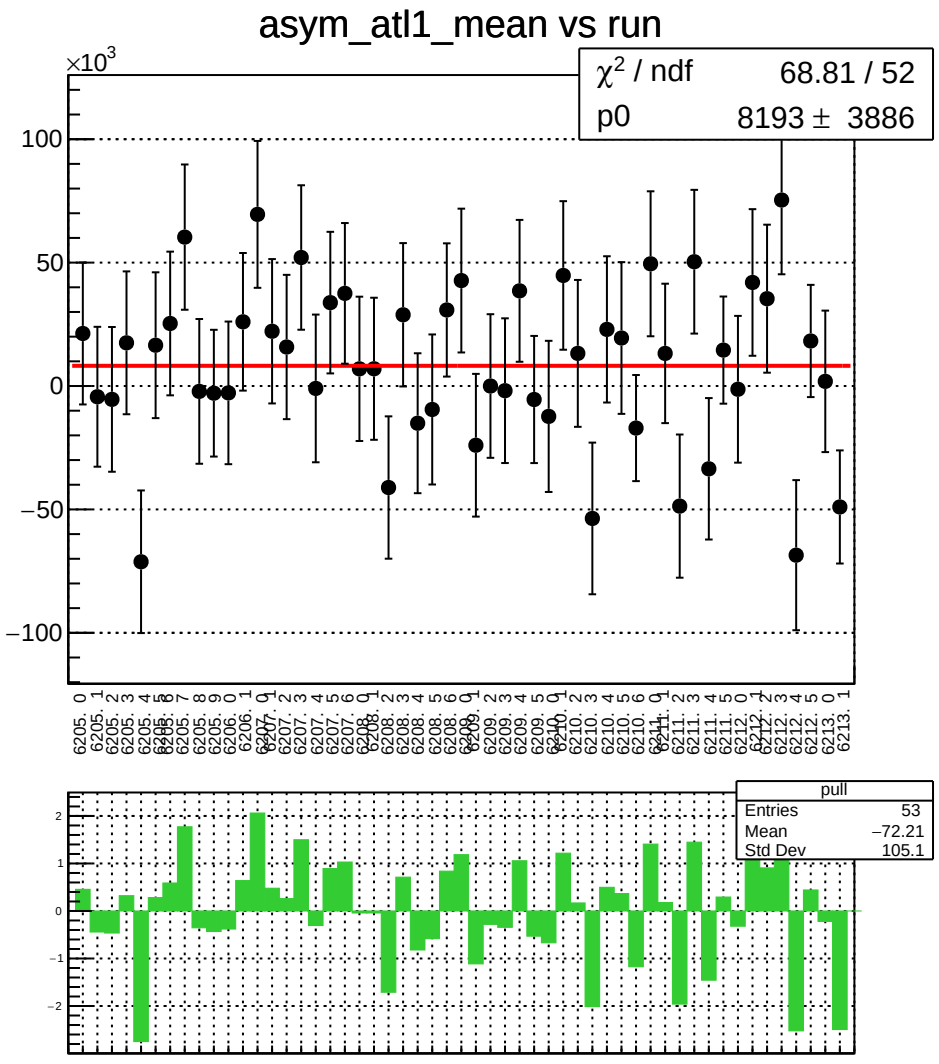

pull1D
Entries 53
Mean 0.01551
Std Dev 1.103

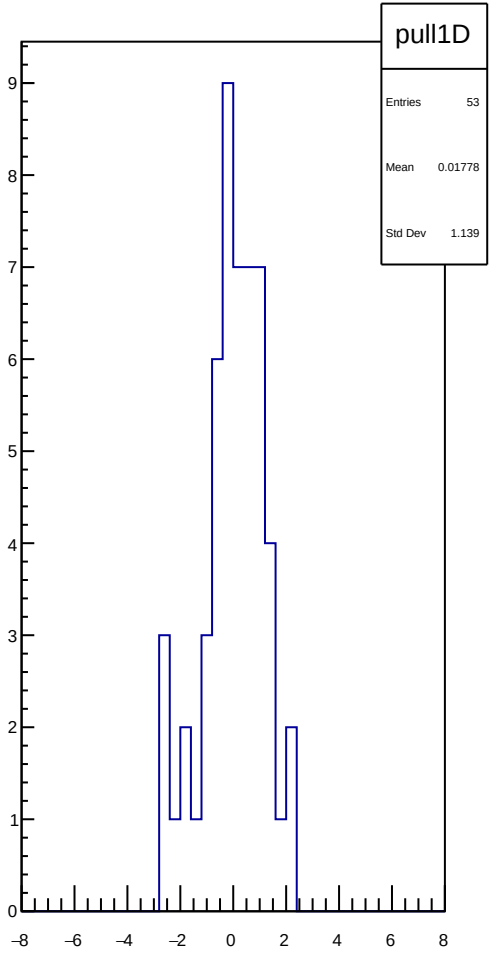

dit_asym_atl1_rms vs run
χ² / ndf 374.9 / 52
p0 2495 ± 2.463
2640
2620
2600
2580
2560
2540
2520
2500
2480
2460
2440
2420
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

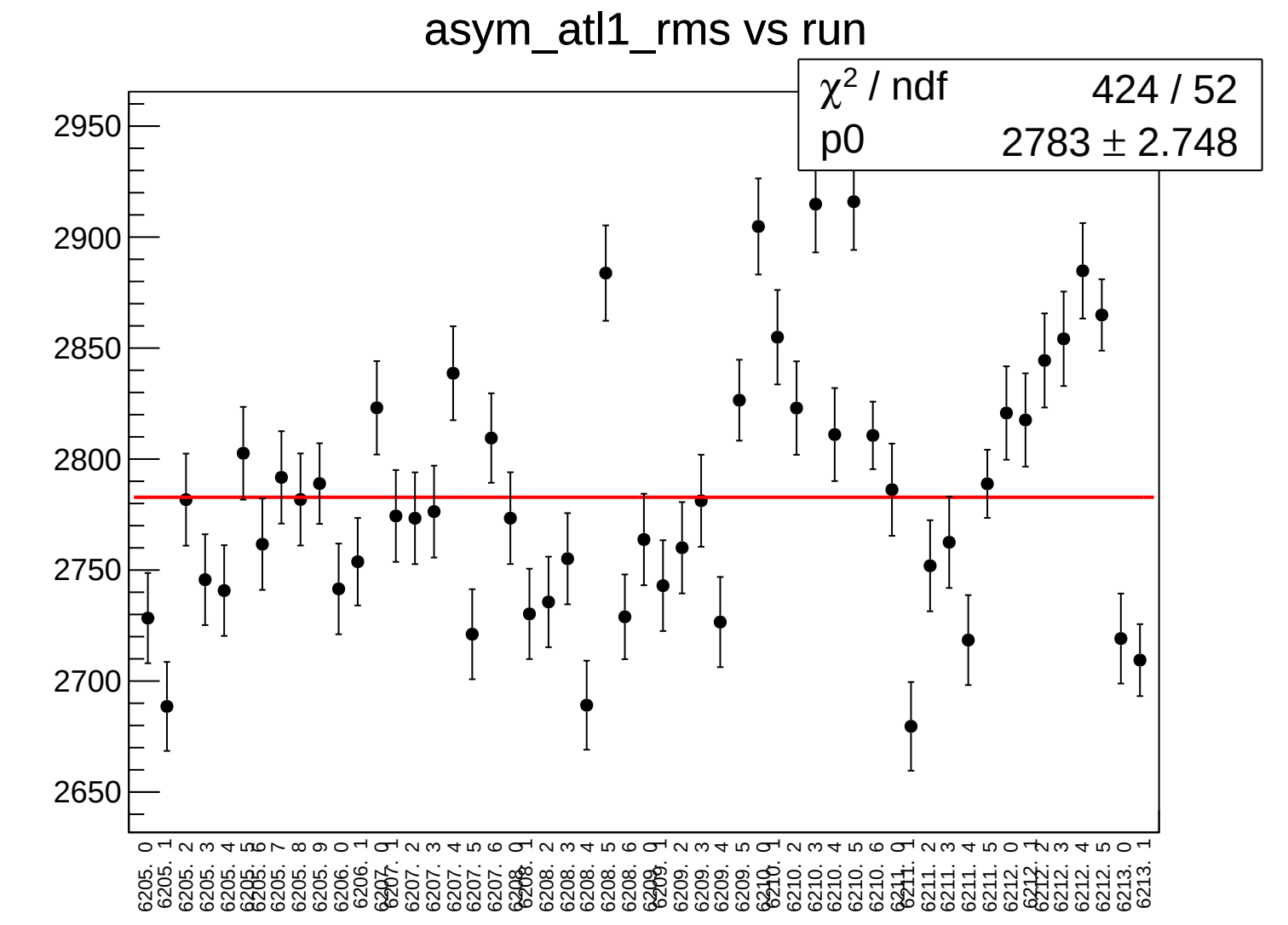

asym_atl1_correction_mean vs run
χ² / ndf 45.33 / 52
p0 −253.6 ± 1656
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −43.88
Std Dev 95.27
2
1
0
−1
−2

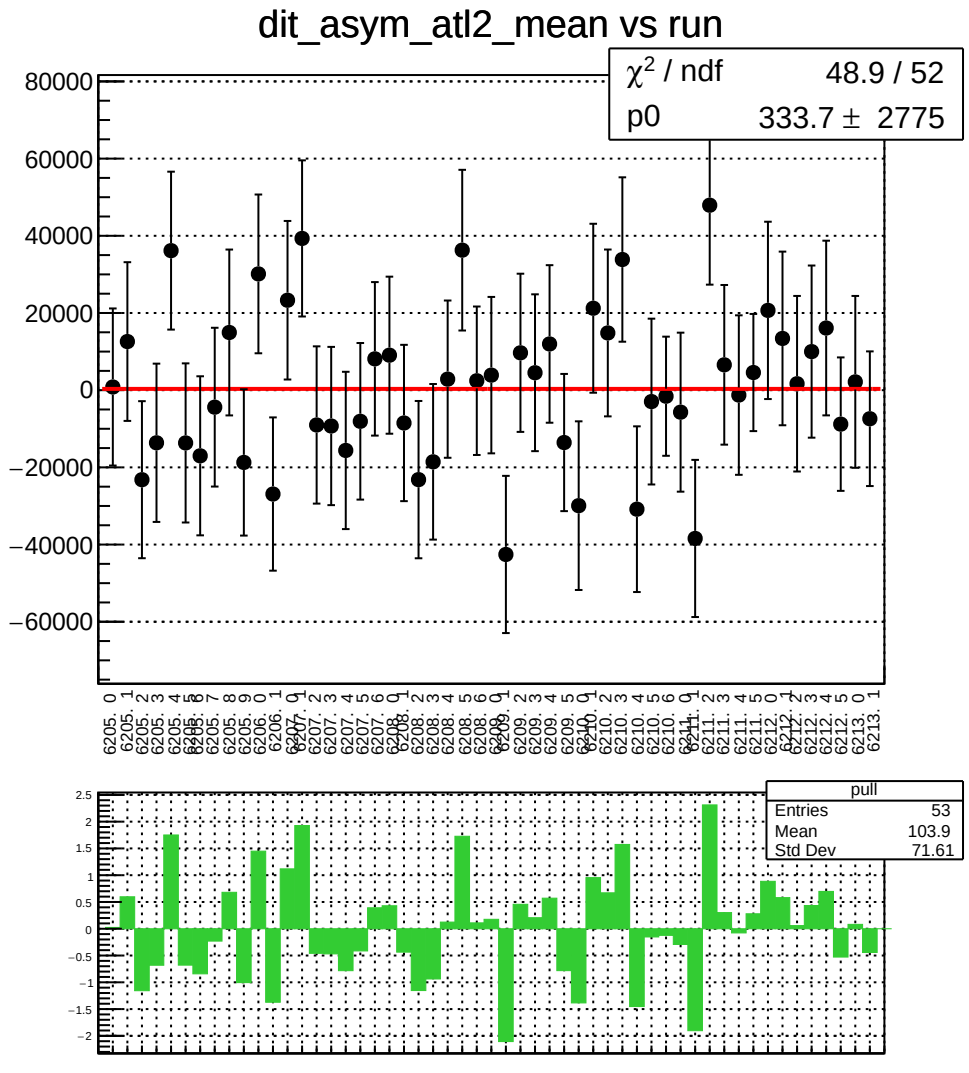

pull1D
Entries 53
Mean −0.008988
Std Dev 0.9248
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

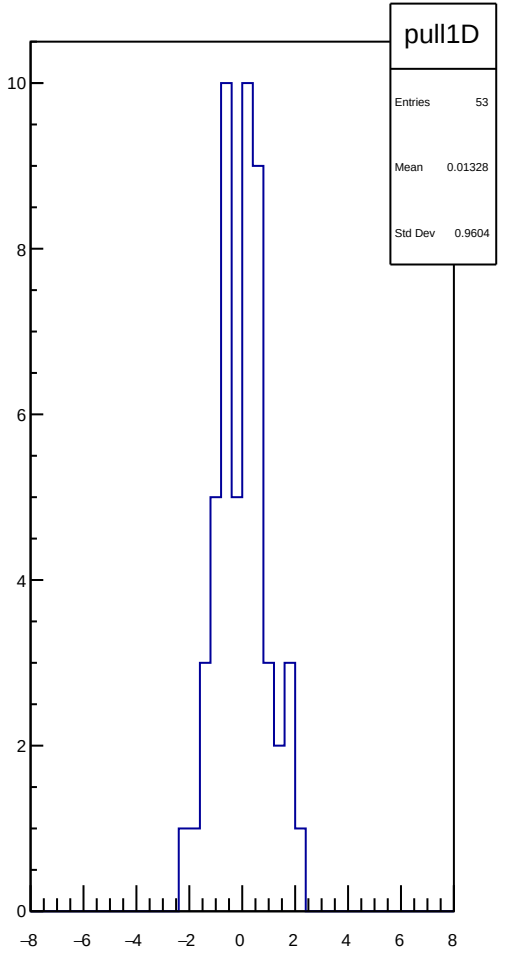

asym_atl1_correction_rms vs run
χ² / ndf 4112 / 52
p0 1184 ± 1.171
1350
1300
1250
1200
1150
1100
1050
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

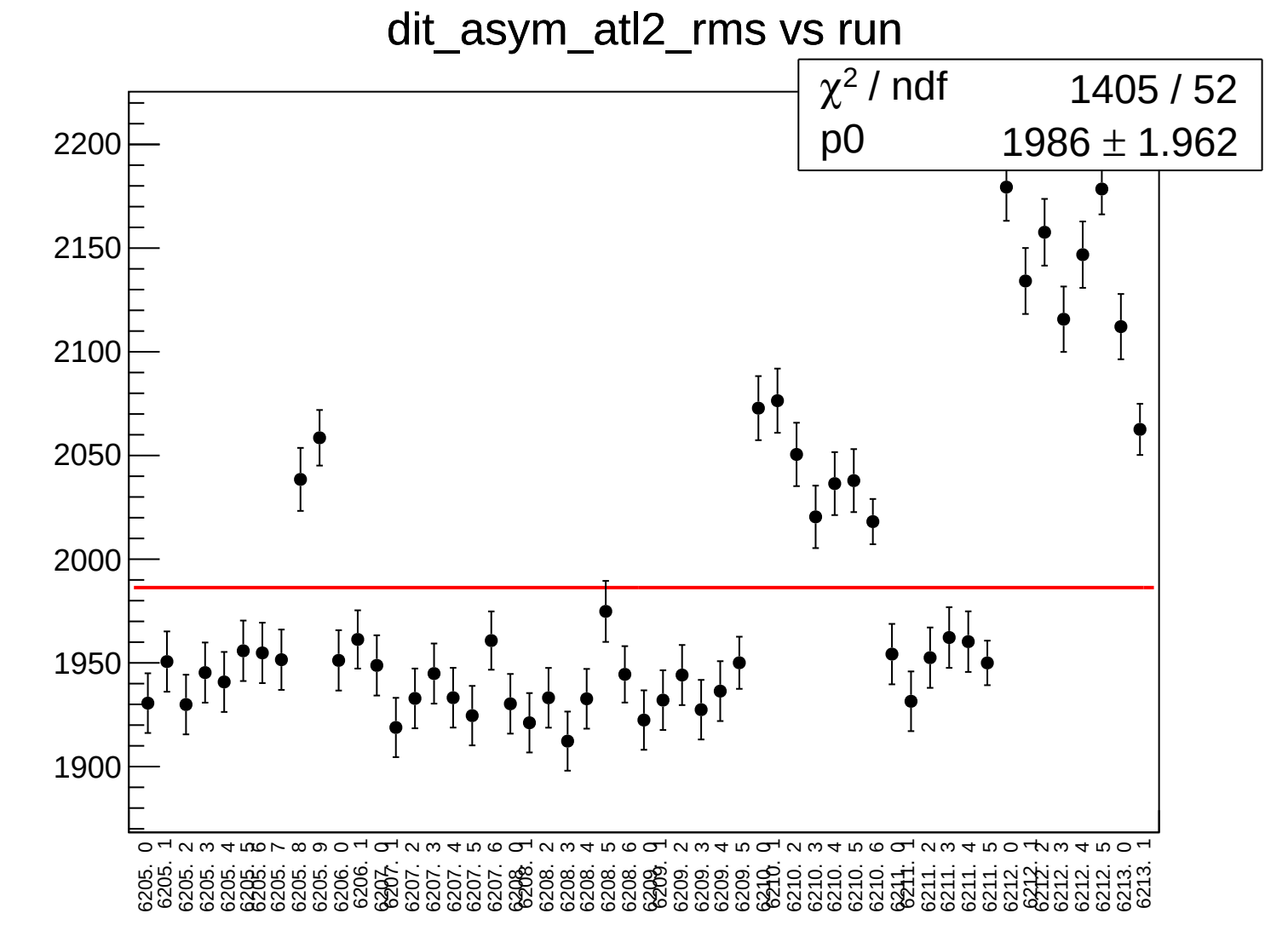

asym_atl1_mean vs run
×10^3
χ^2 / ndf 68.81 / 52
p0 8193 ± 3886
100
50
0
−50
−100
pull
Entries 53
Mean −72.21
Std Dev 105.1
2
1
0
−1
−2

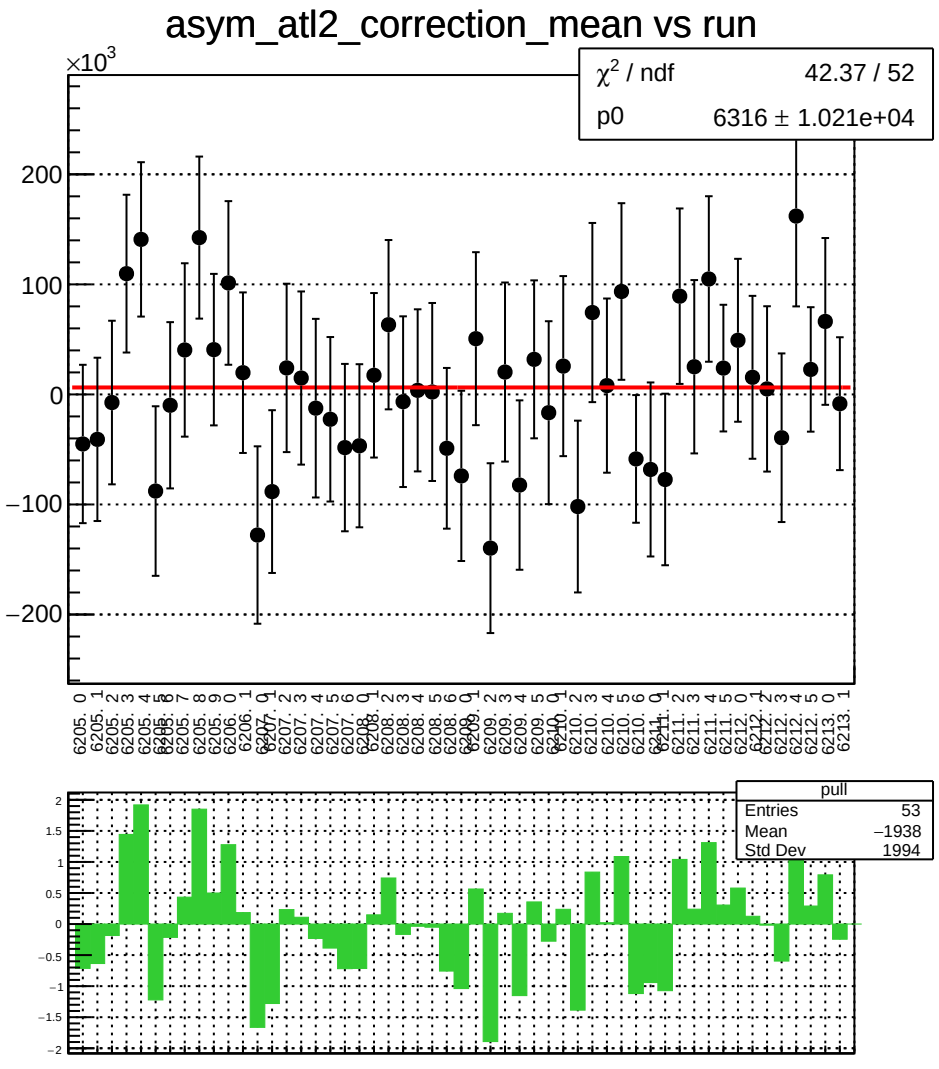

pull1D
Entries 53
Mean 0.01778
Std Dev 1.139
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

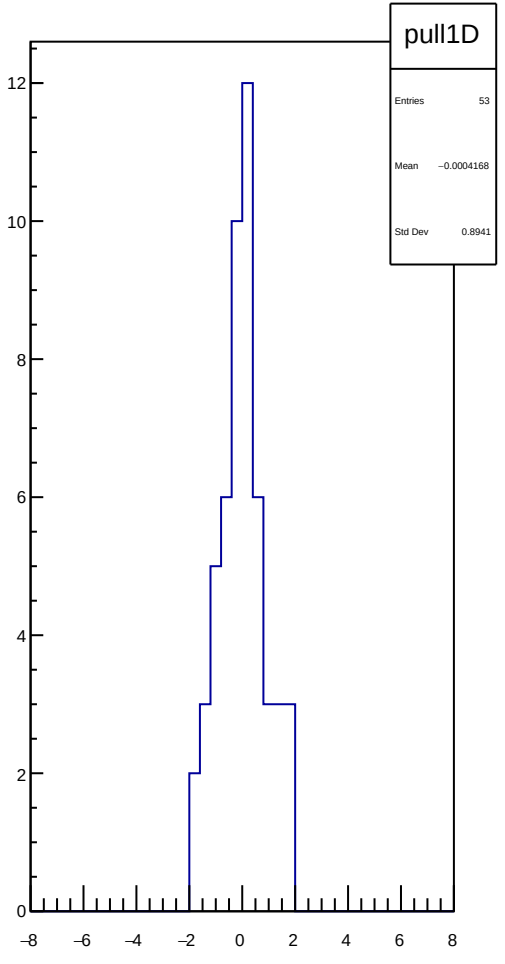

asym_atl1_rms vs run
χ² / ndf 424 / 52
p0 2783 ± 2.748
2950
2900
2850
2800
2750
2700
2650
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

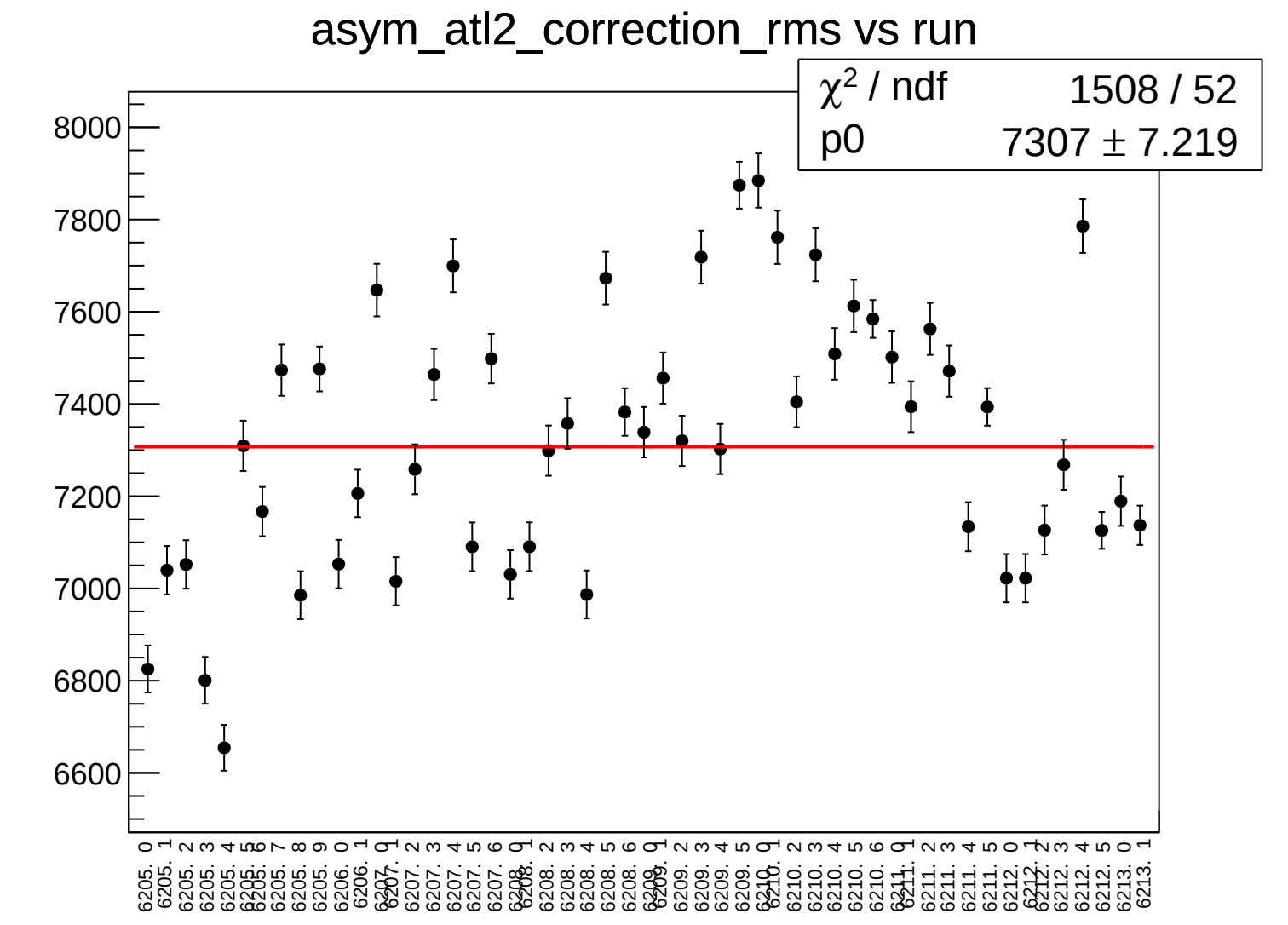

dit_asym_atl2_mean vs run
χ² / ndf 48.9 / 52
p0 333.7 ± 2775
pull
Entries 53
Mean 103.9
Std Dev 71.61

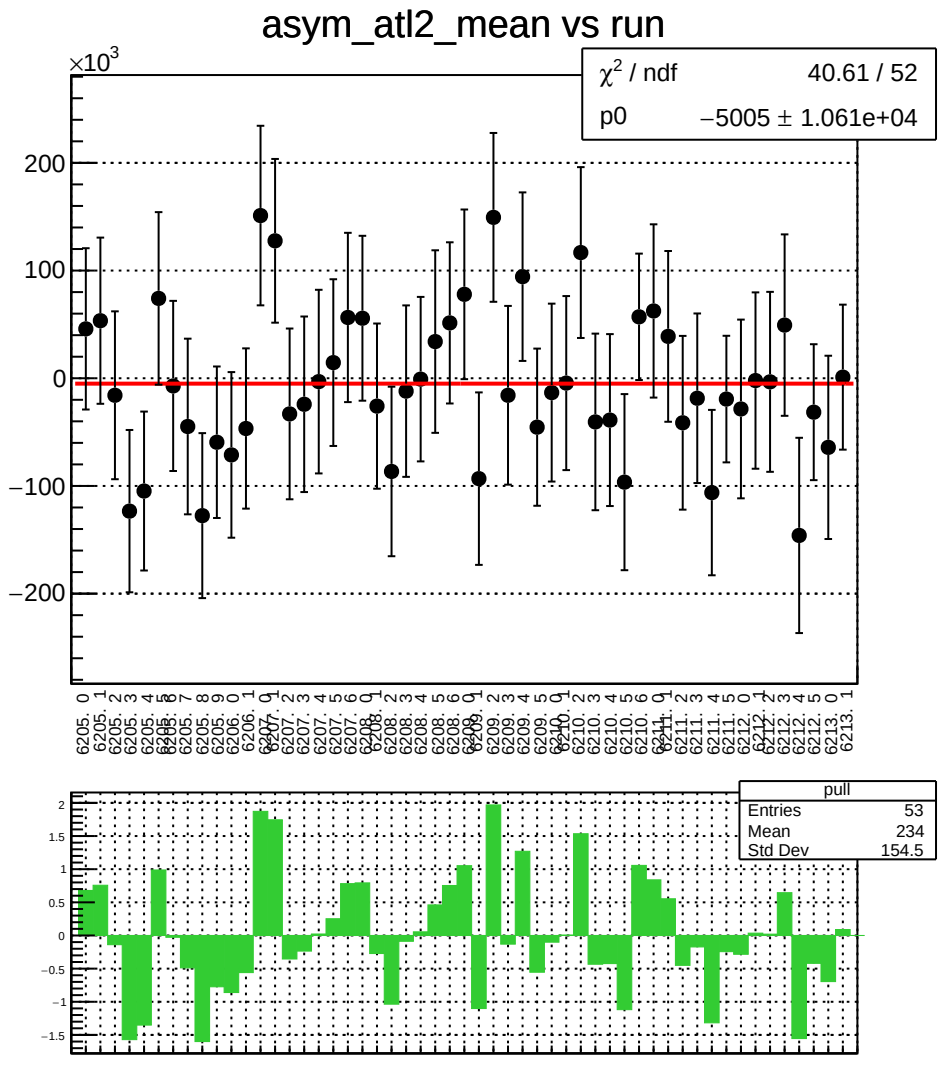

pull1D
Entries 53
Mean 0.01328
Std Dev 0.9604

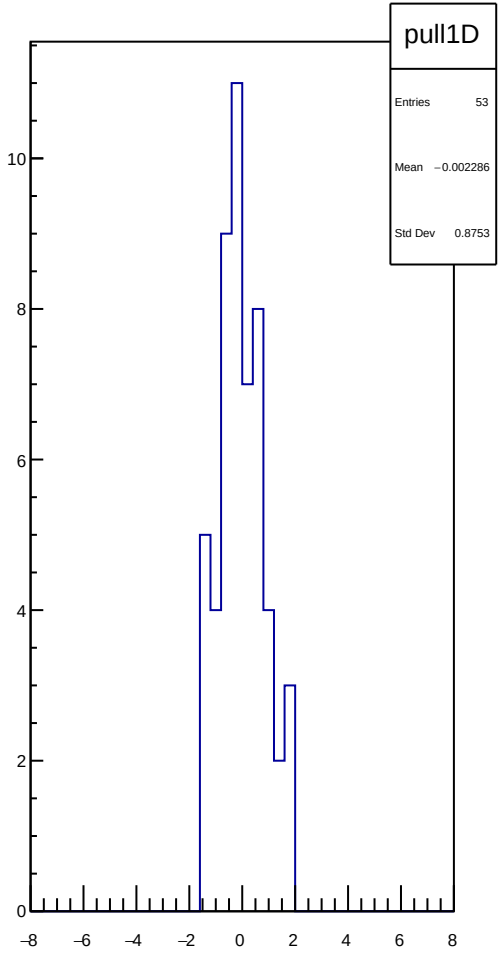

dit_asym_atl2_rms vs run
χ² / ndf 1405 / 52
p0 1986 ± 1.962
2200
2150
2100
2050
2000
1950
1900
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

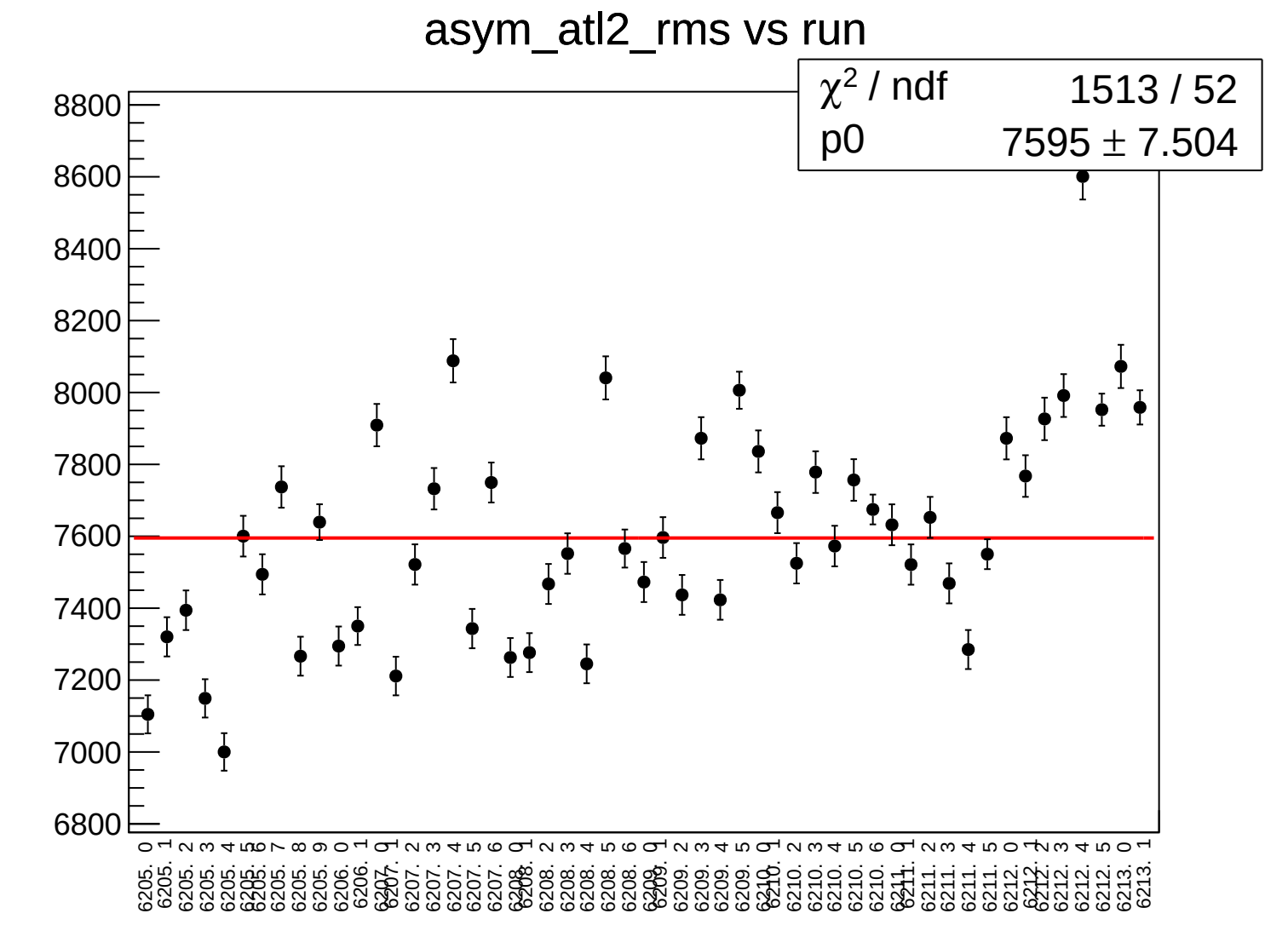

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 42.37 / 52
p0 6316 ± 1.021e+04
200
100
0
−100
−200
pull
Entries 53
Mean −1938
Std Dev 1994
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

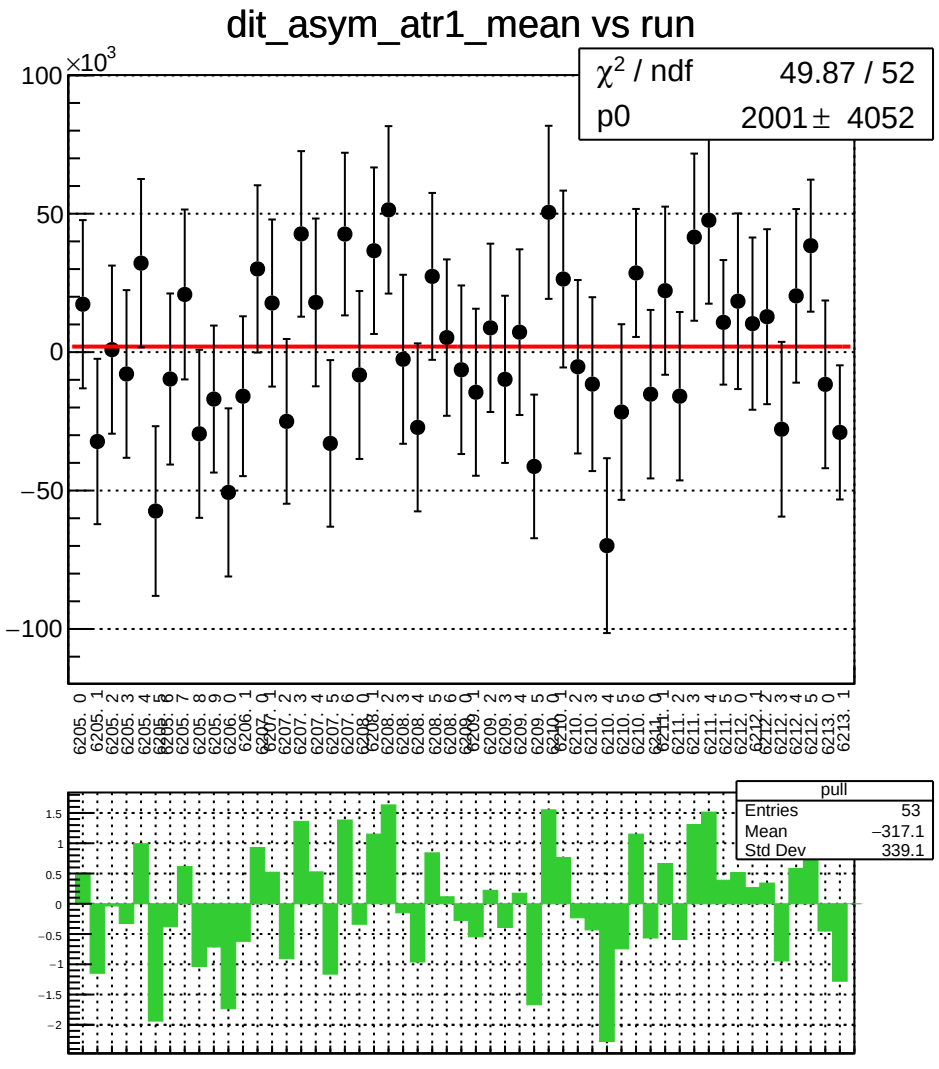

pull1D
Entries 53
Mean −0.0004168
Std Dev 0.8941
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

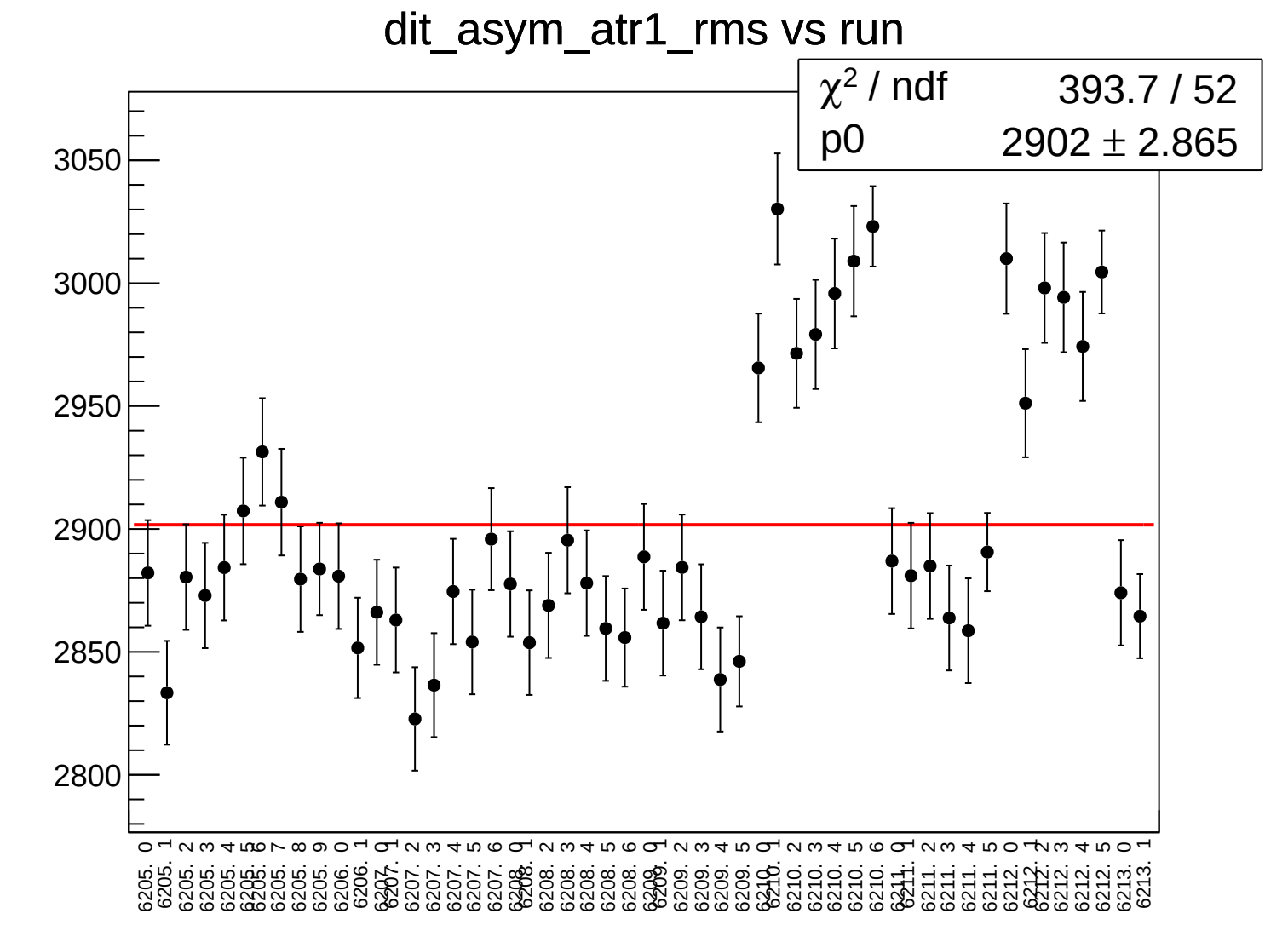

asym_atl2_correction_rms vs run
χ² / ndf 1508 / 52
p0 7307 ± 7.219
8000
7800
7600
7400
7200
7000
6800
6600
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

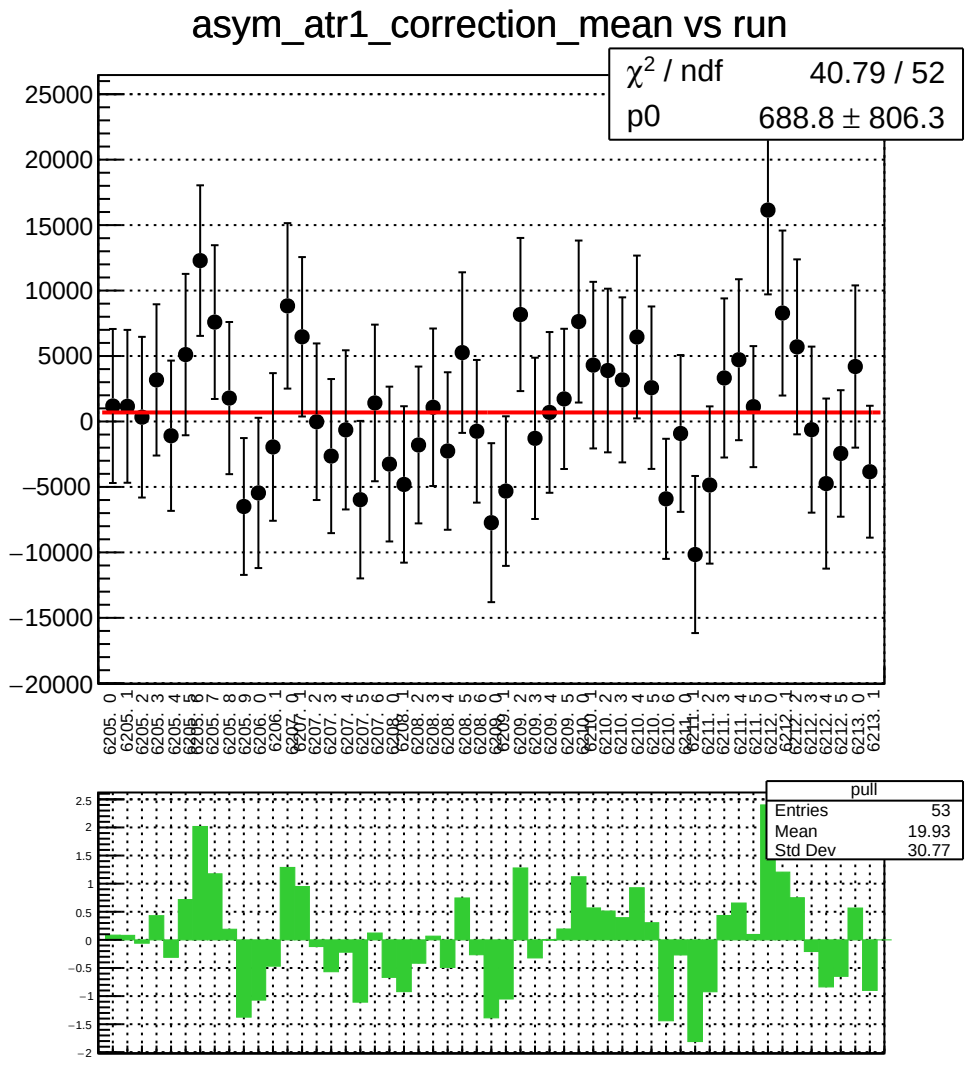

asym_atl2_mean vs run
×10^3
χ² / ndf 40.61 / 52
p0 −5005 ± 1.061e+04
200
100
0
−100
−200
pull
Entries 53
Mean 234
Std Dev 154.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

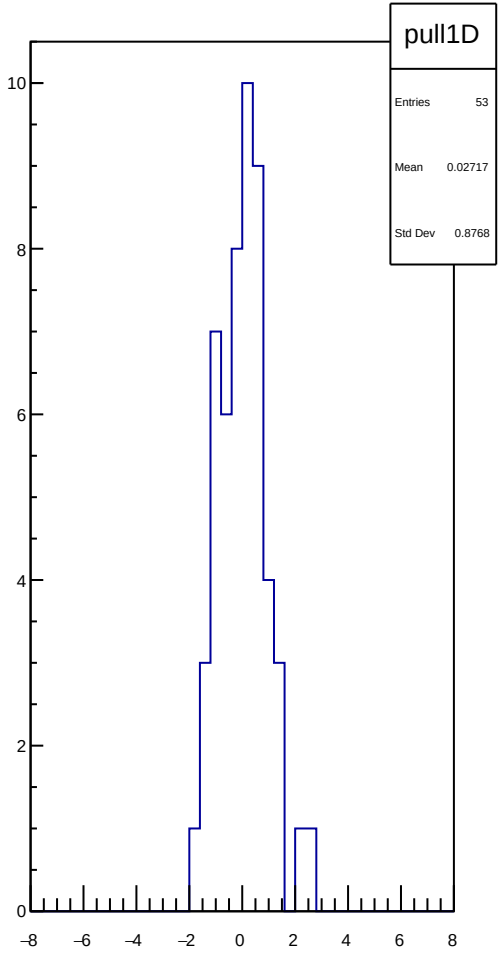

pull1D
Entries 53
Mean −0.002286
Std Dev 0.8753
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

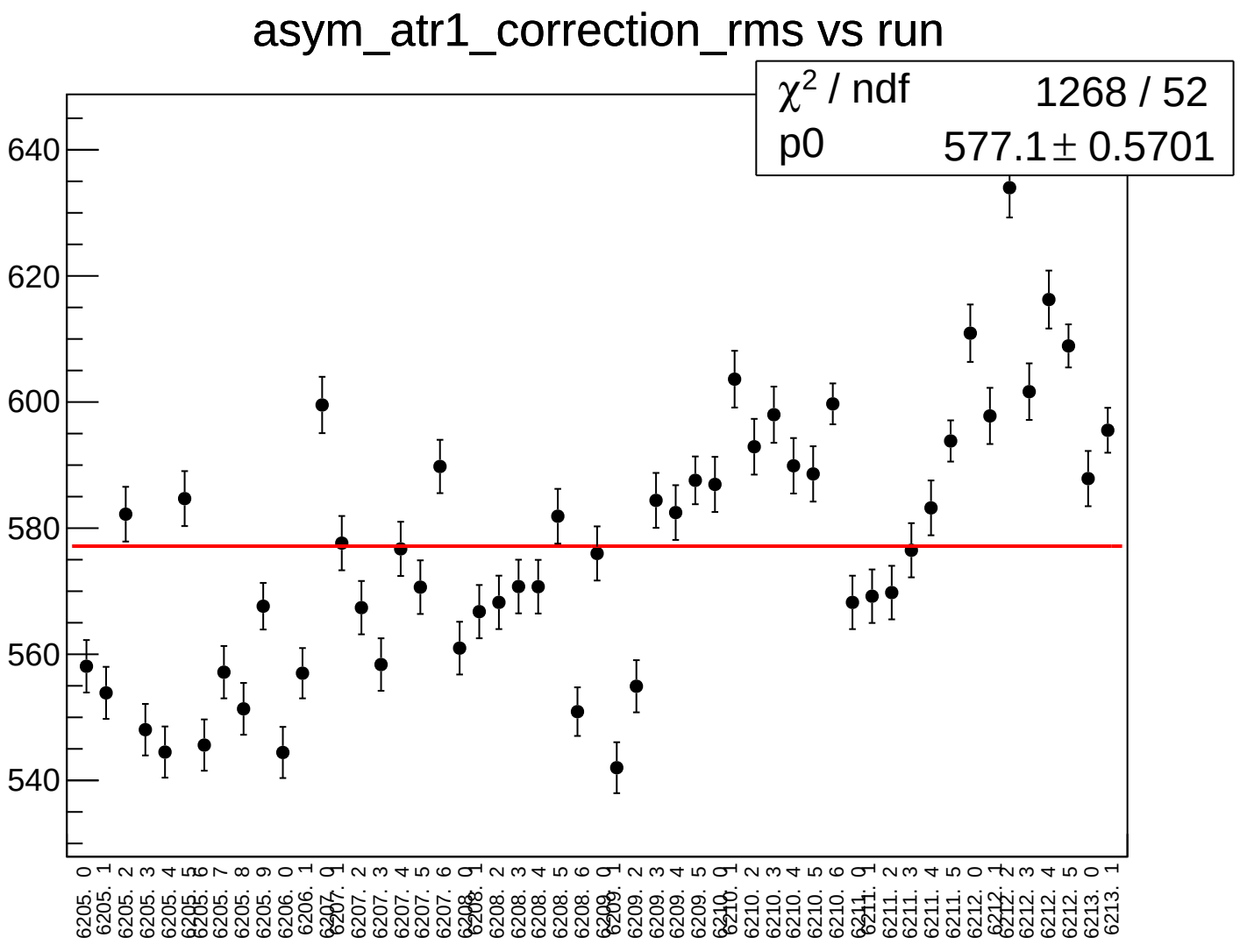

asym_atl2_rms vs run
χ² / ndf 1513 / 52
p0 7595 ± 7.504
8800
8600
8400
8200
8000
7800
7600
7400
7200
7000
6800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

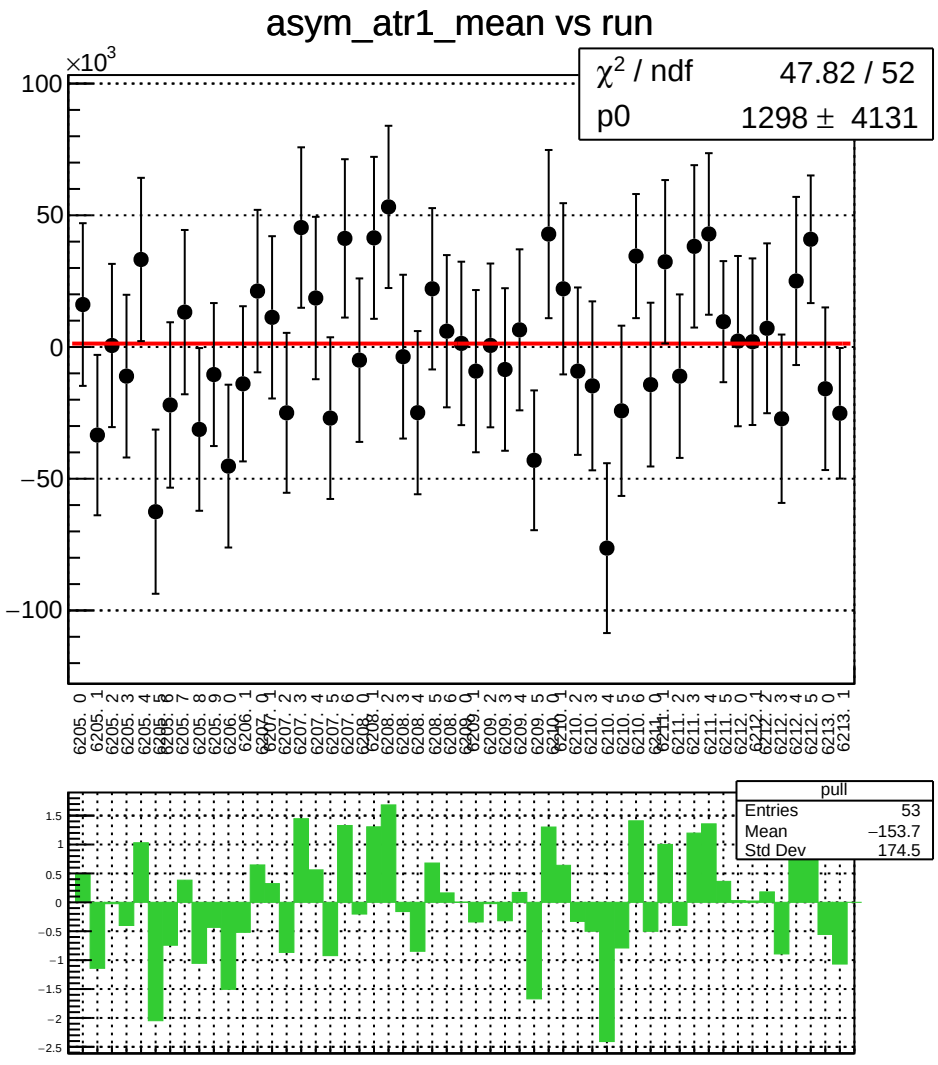

dit_asym_atr1_mean vs run
×10^3
100
50
0
−50
−100
χ² / ndf 49.87 / 52
p0 2001 ± 4052
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6207. 7
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 7
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6210. 7
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1
pull
Entries 53
Mean −317.1
Std Dev 339.1
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 53
Mean −0.005639
Std Dev 0.97
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

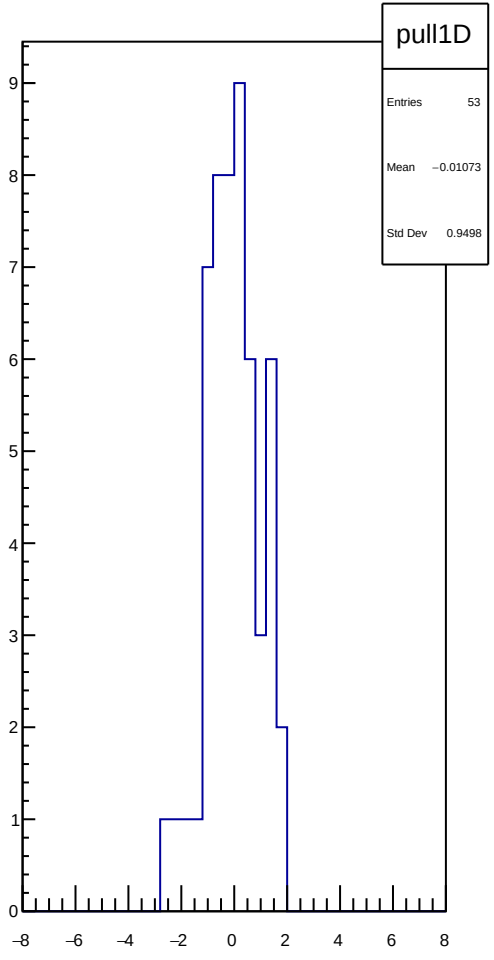

dit_asym_atr1_rms vs run
χ² / ndf 393.7 / 52
p0 2902 ± 2.865
3050
3000
2950
2900
2850
2800
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

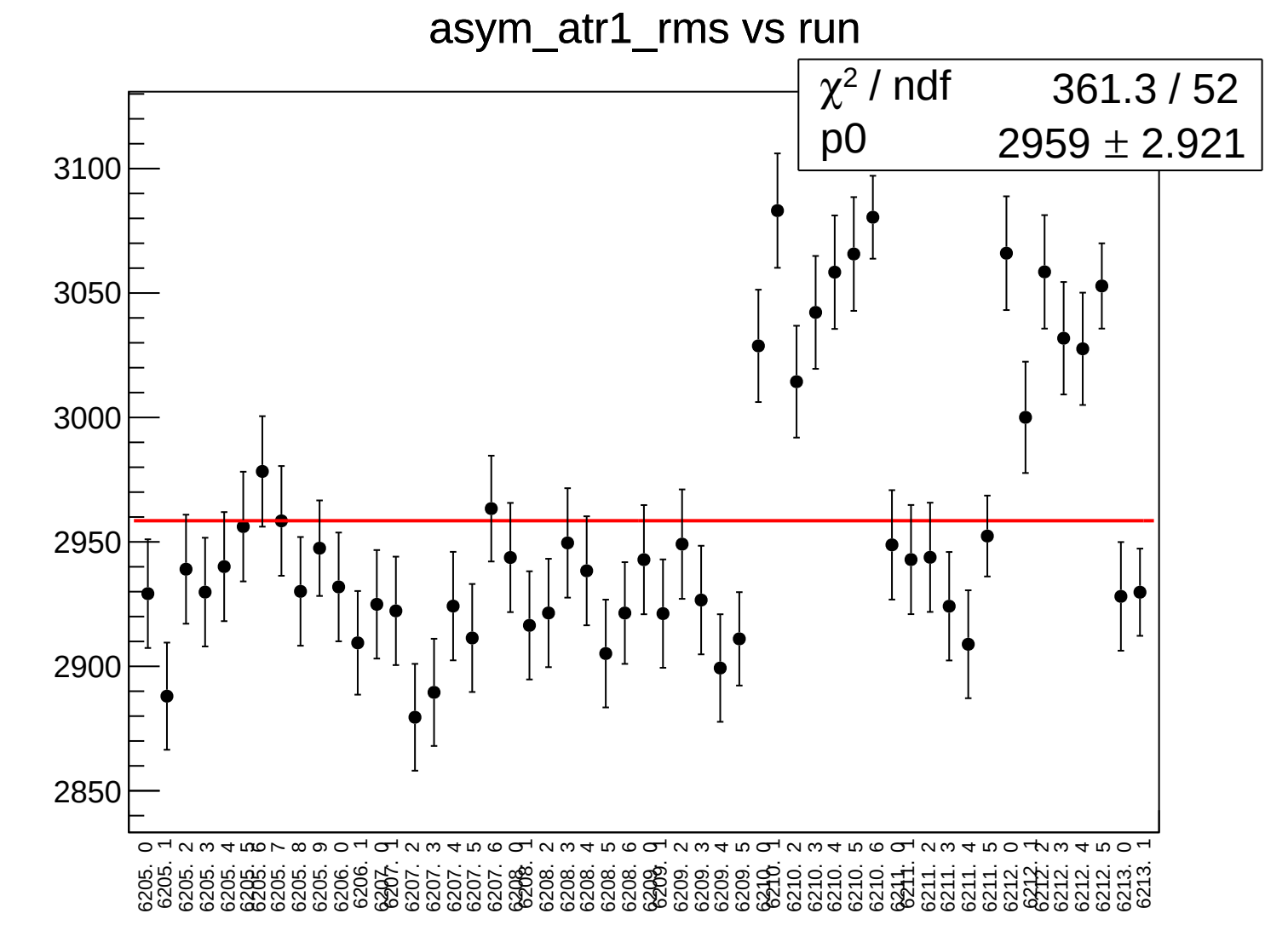

asym_atr1_correction_mean vs run
χ² / ndf 40.79 / 52
p0 688.8 ± 806.3
pull
Entries 53
Mean 19.93
Std Dev 30.77

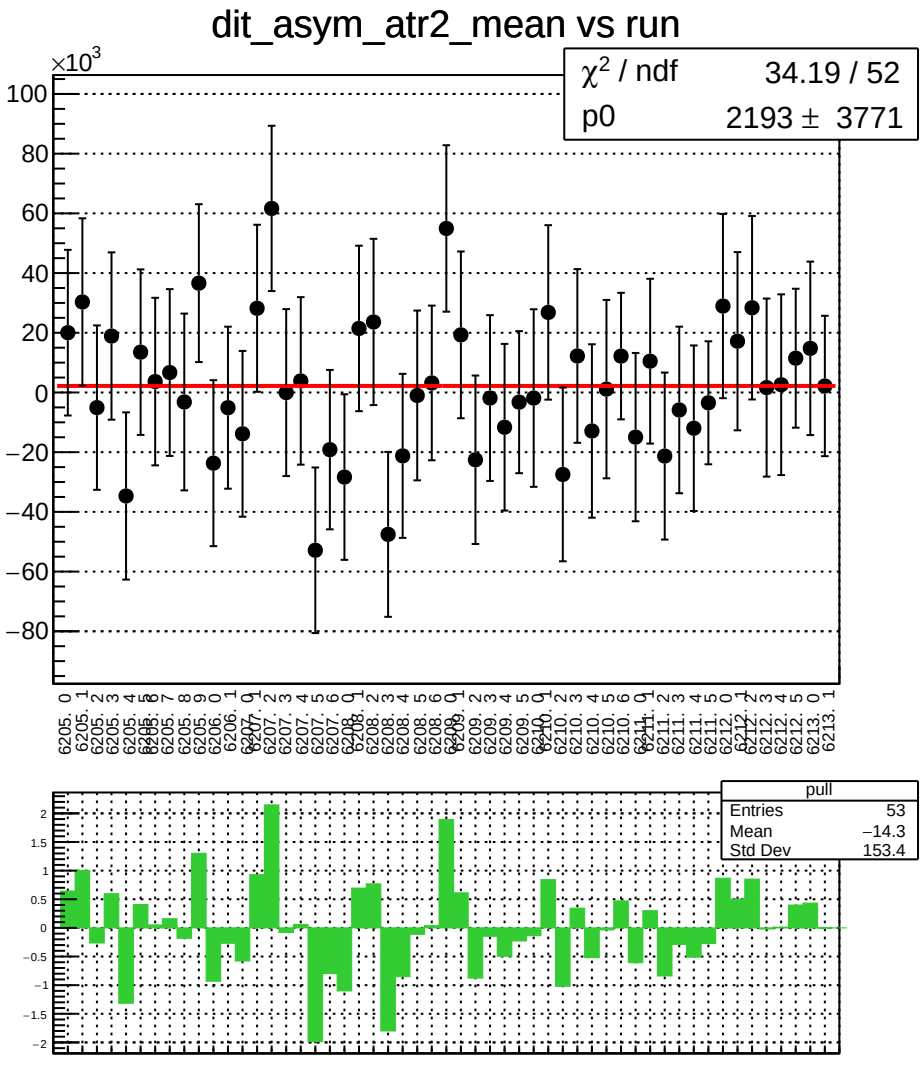

pull1D
Entries 53
Mean 0.02717
Std Dev 0.8768

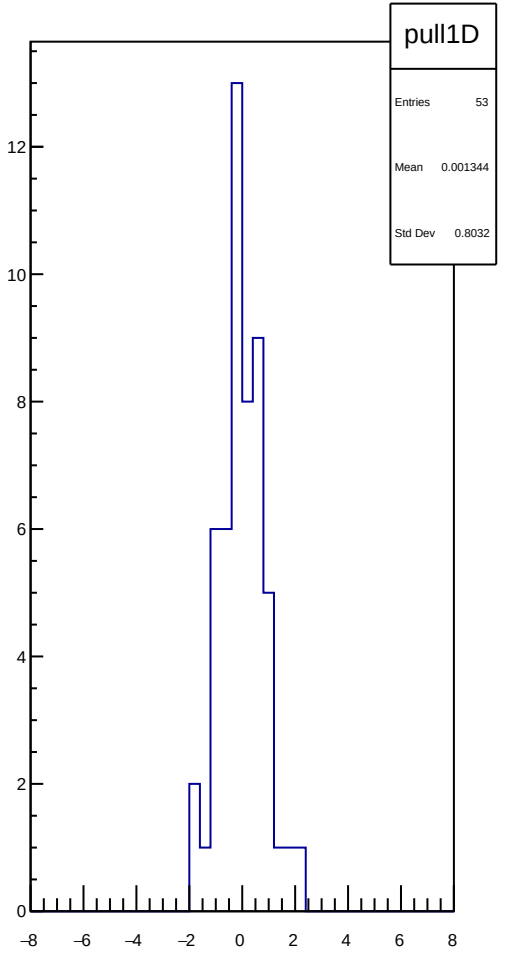

asym_atr1_correction_rms vs run
χ² / ndf 1268 / 52
p0 577.1 ± 0.5701
640
620
600
580
560
540
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

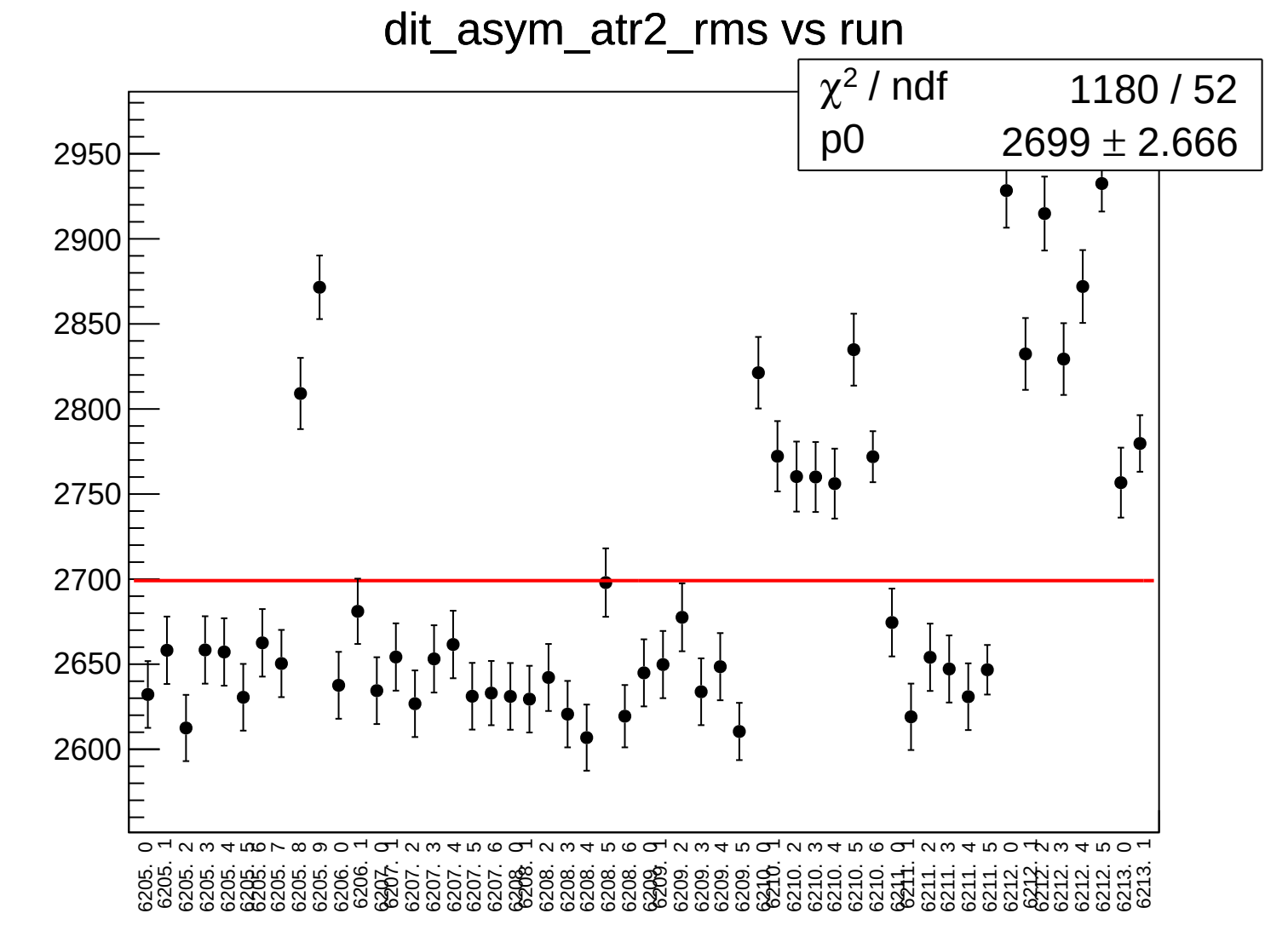

asym_atr1_mean vs run
×10^3
χ² / ndf 47.82 / 52
p0 1298 ± 4131
100
50
0
−50
−100
pull
Entries 53
Mean −153.7
Std Dev 174.5
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

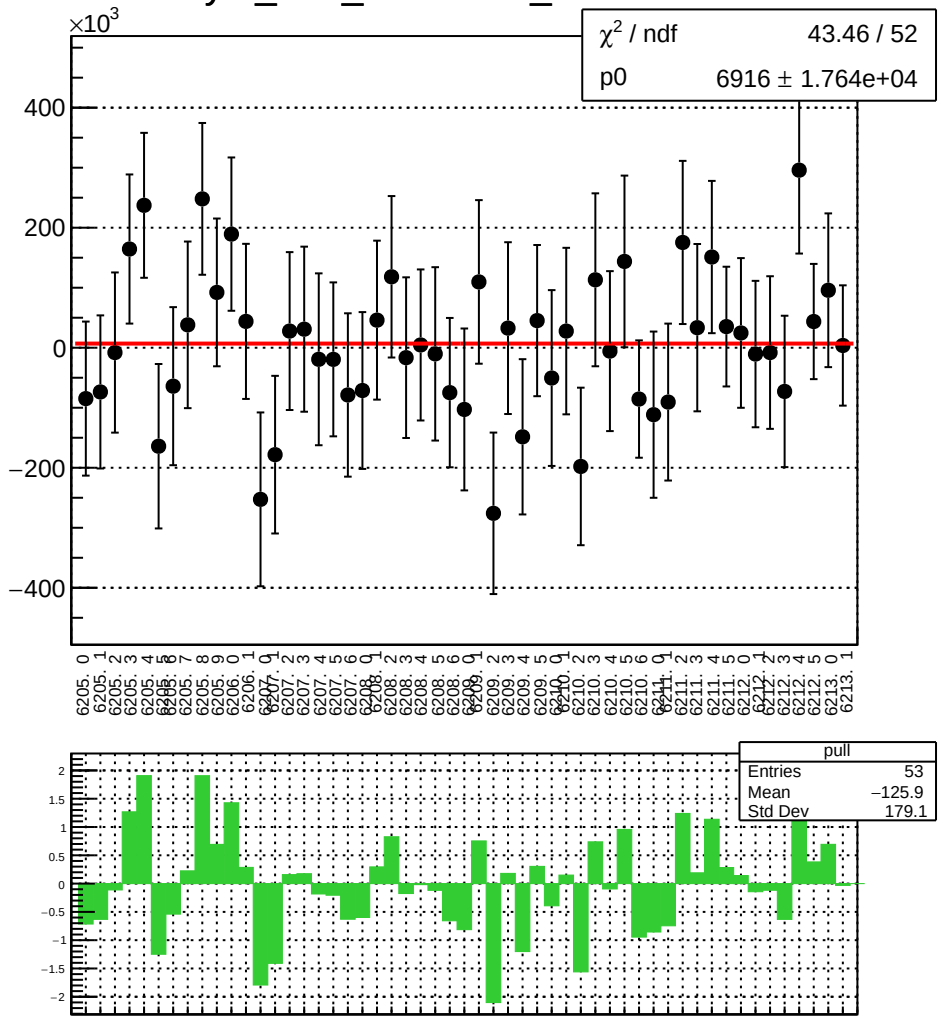

pull1D
Entries 53
Mean −0.01073
Std Dev 0.9498
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

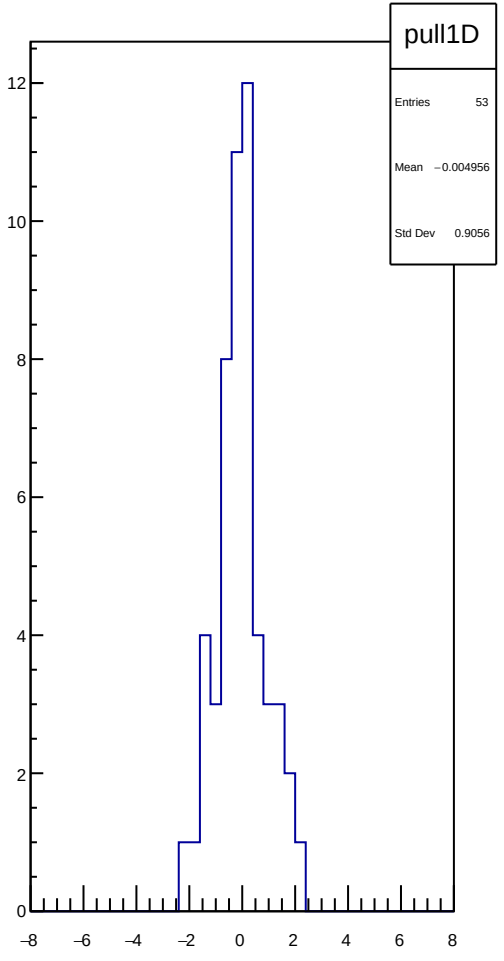

asym_atr1_rms vs run
χ² / ndf 361.3 / 52
p0 2959 ± 2.921
3100
3050
3000
2950
2900
2850
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

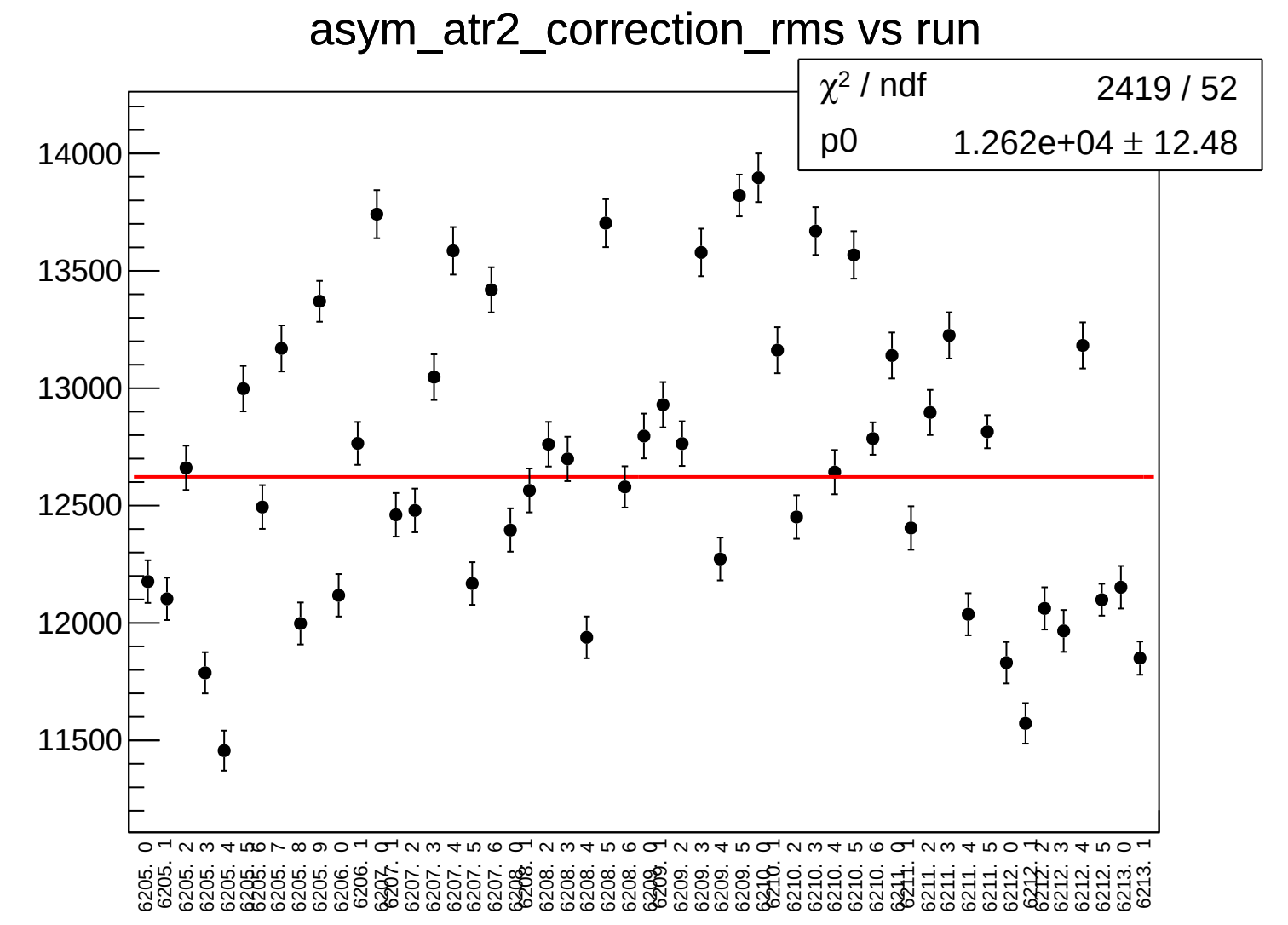

dit_asym_atr2_mean vs run
×10^3
χ^2 / ndf 34.19 / 52
p0 2193 ± 3771
pull
Entries 53
Mean −14.3
Std Dev 153.4

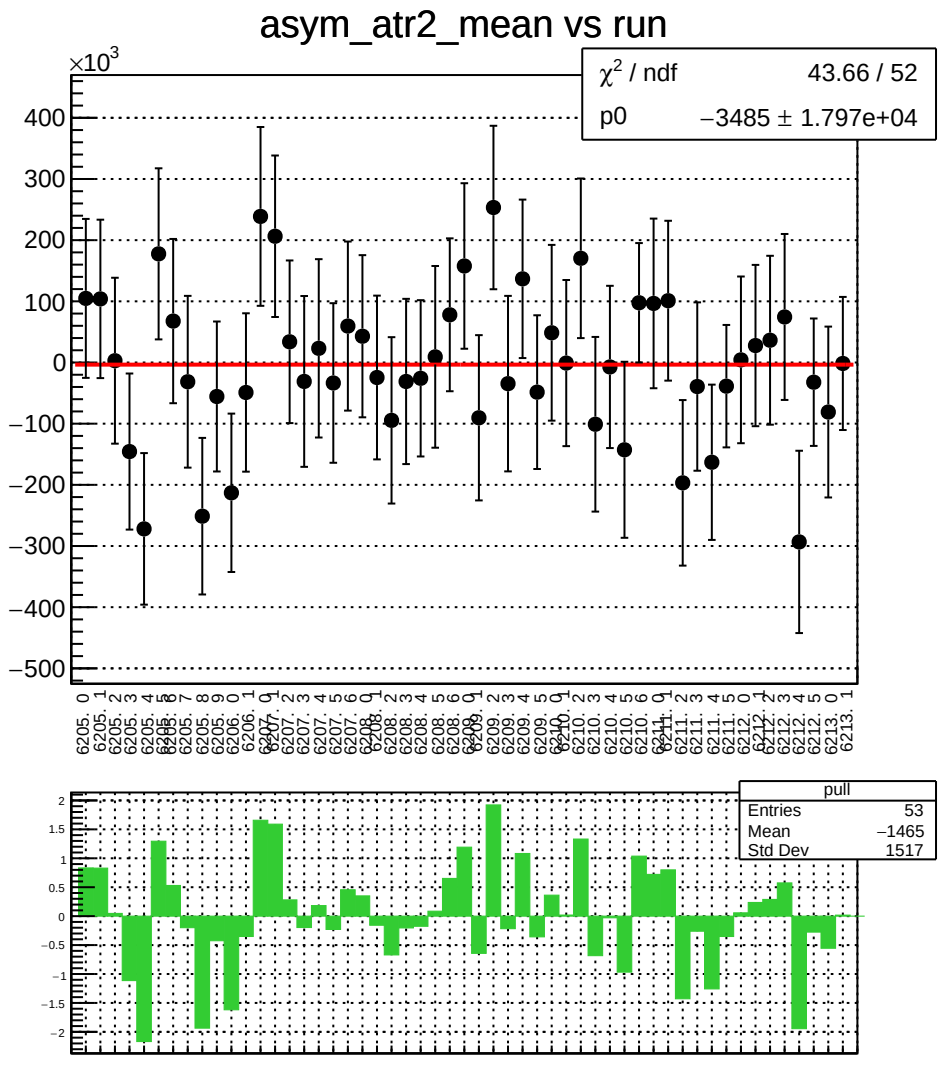

pull1D
Entries 53
Mean 0.001344
Std Dev 0.8032

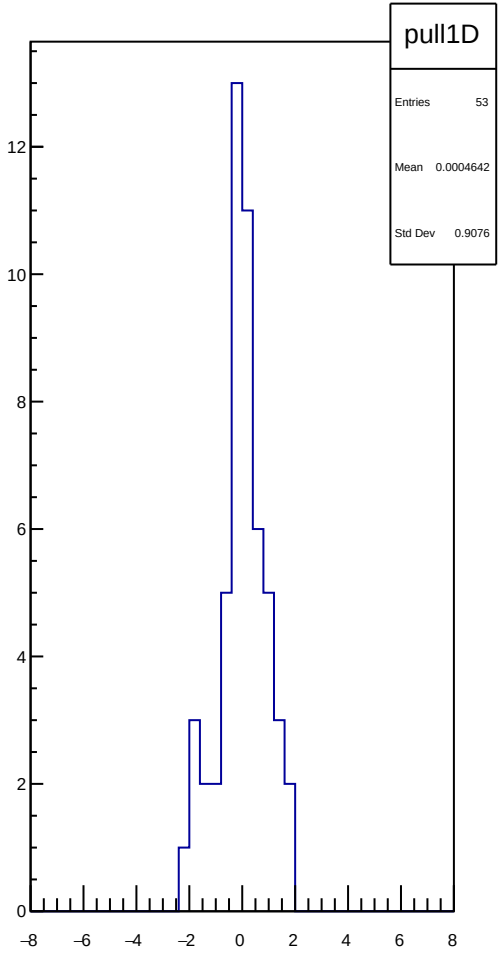

dit_asym_atr2_rms vs run
χ² / ndf 1180 / 52
p0 2699 ± 2.666
2950
2900
2850
2800
2750
2700
2650
2600
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 9
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

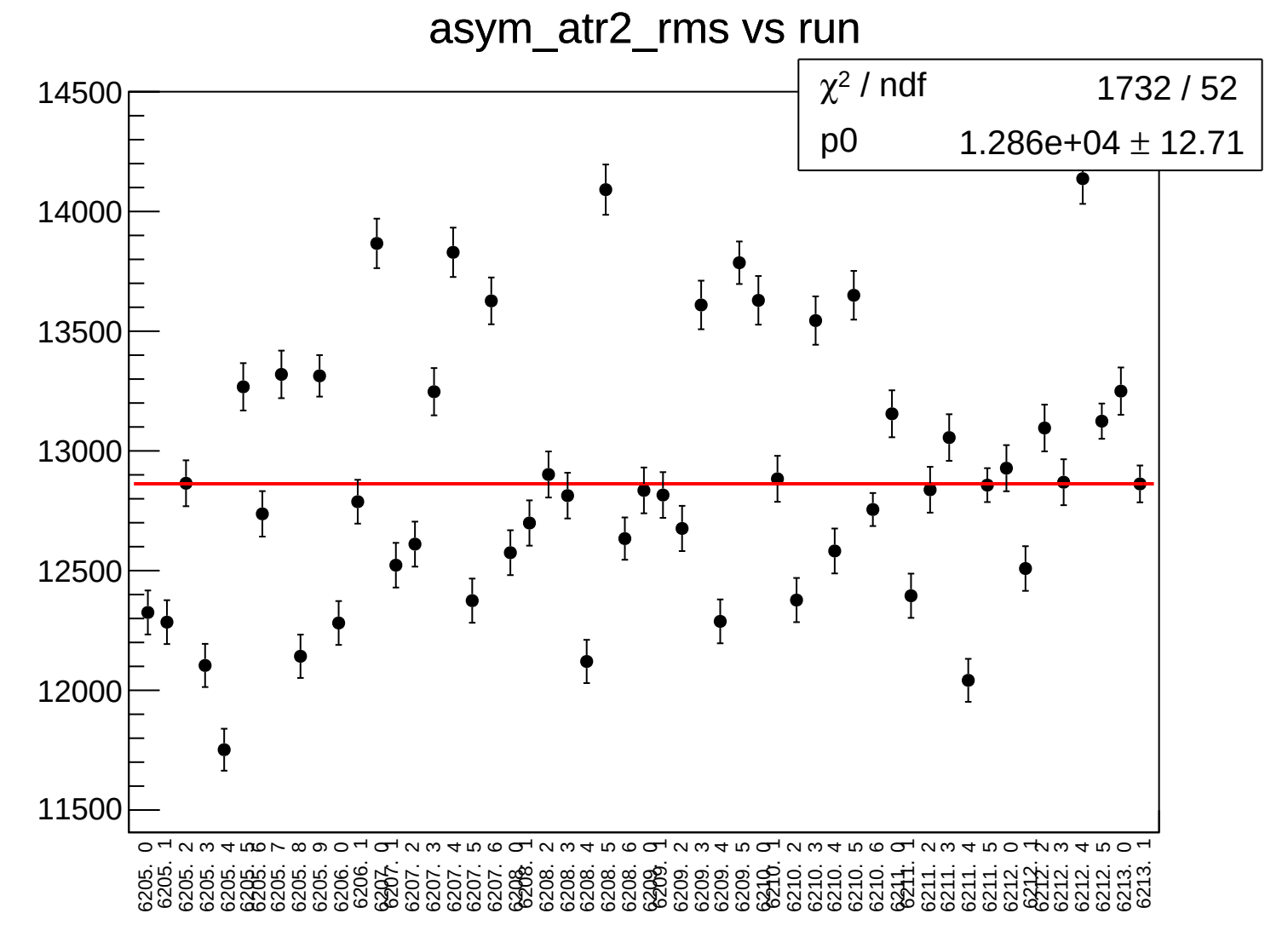

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 43.46 / 52
p0 6916 ± 1.764e+04
400
200
0
−200
−400
pull
Entries 53
Mean −125.9
Std Dev 179.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

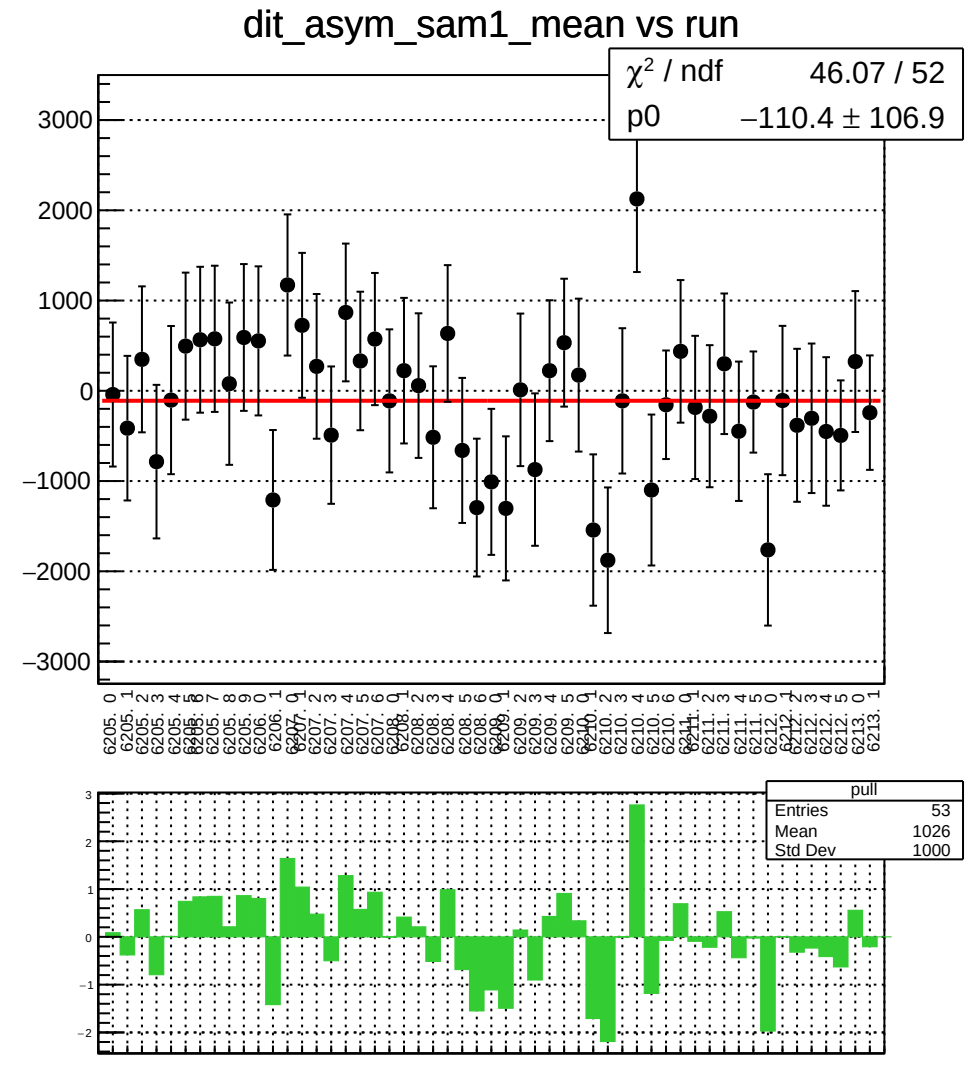

pull1D
Entries 53
Mean −0.004956
Std Dev 0.9056
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

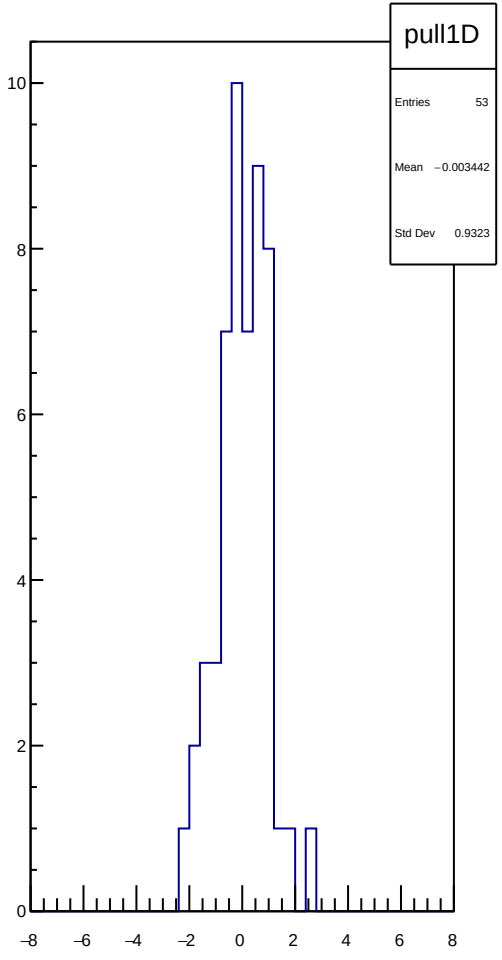

asym_atr2_correction_rms vs run
χ² / ndf 2419 / 52
p0 1.262e+04 ± 12.48
14000
13500
13000
12500
12000
11500
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

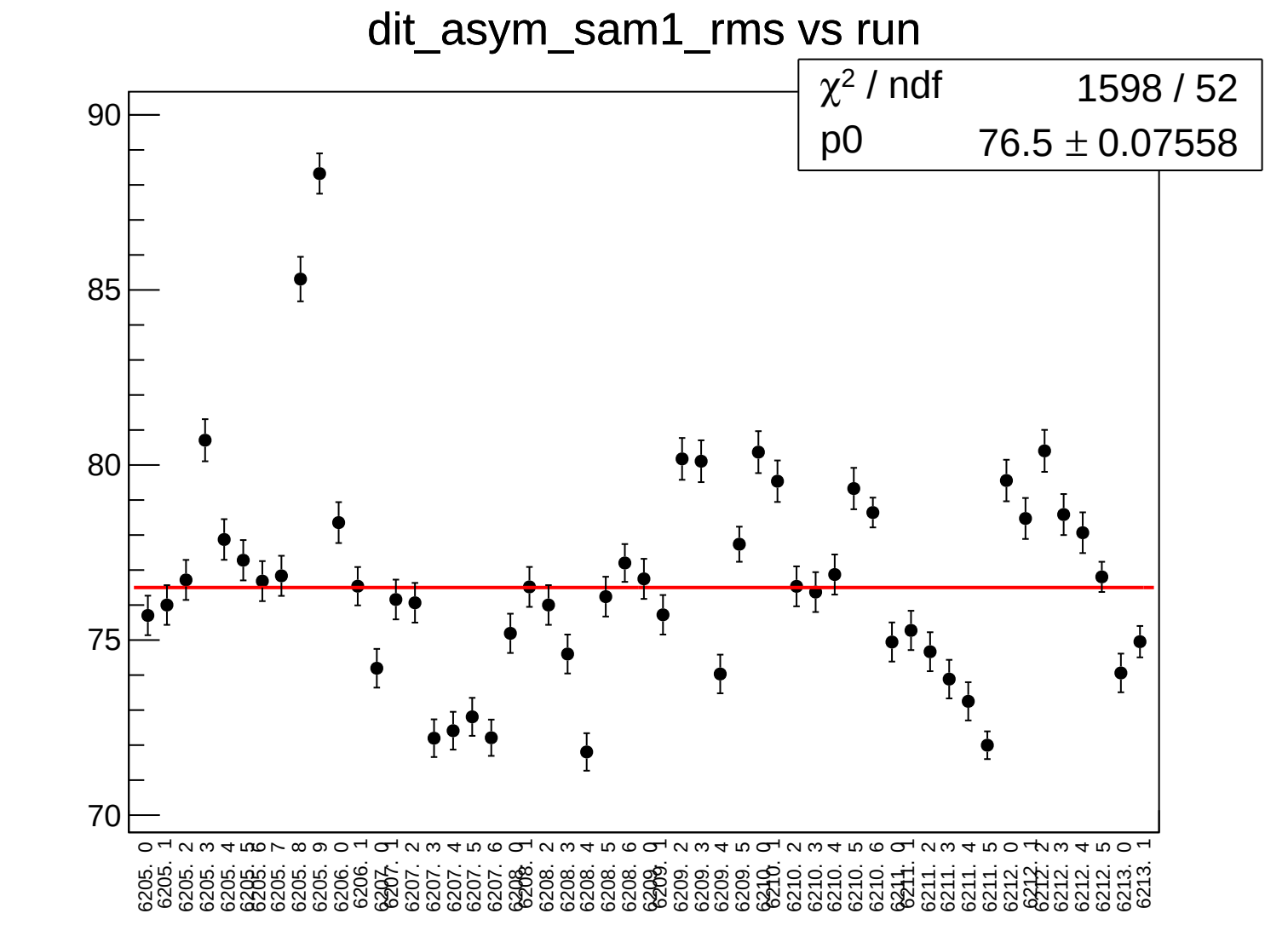

asym_atr2_mean vs run
×10^3
χ² / ndf 43.66 / 52
p0 −3485 ± 1.797e+04
pull
Entries 53
Mean −1465
Std Dev 1517

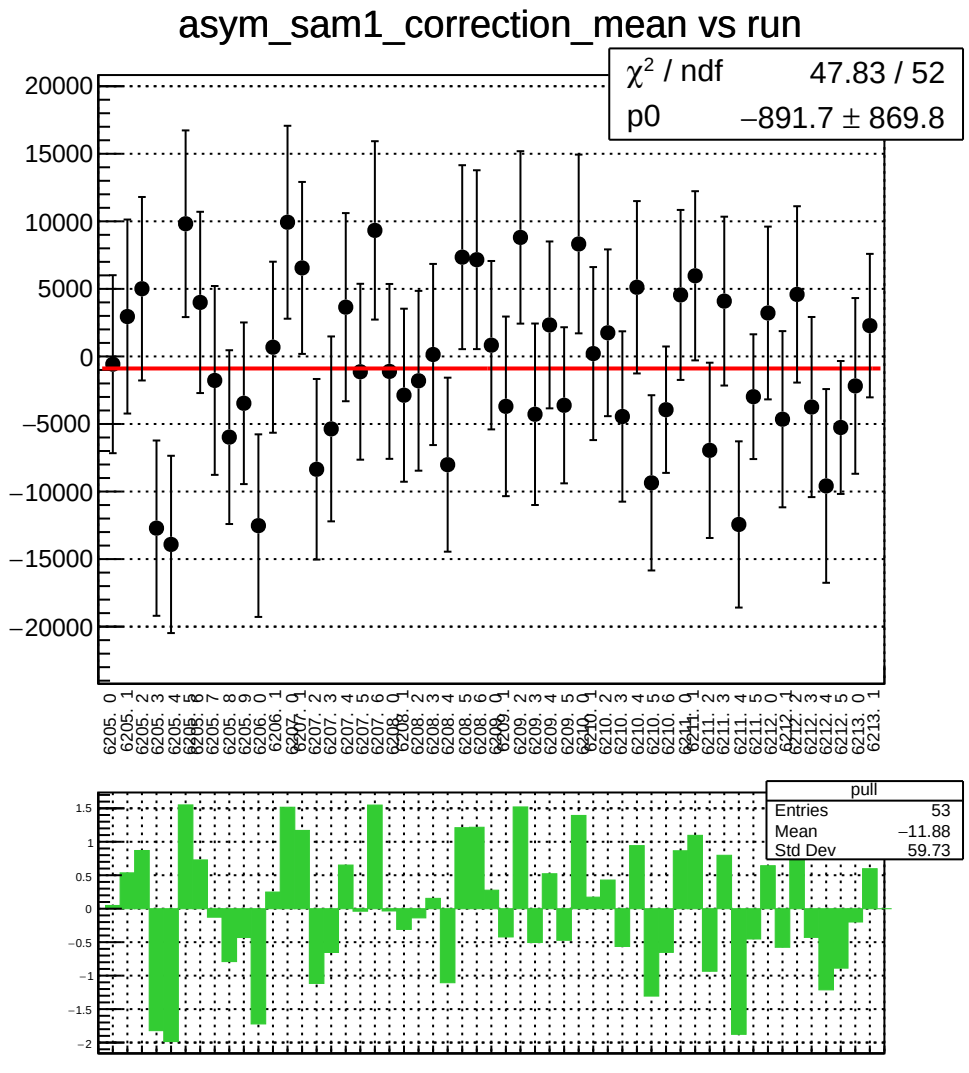

pull1D
Entries 53
Mean 0.0004642
Std Dev 0.9076

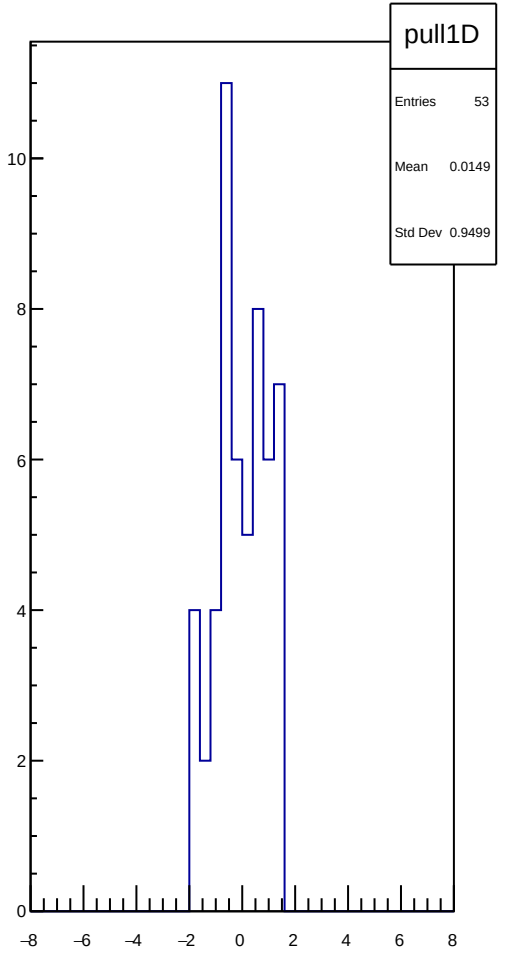

asym_atr2_rms vs run
χ² / ndf 1732 / 52
p0 1.286e+04 ± 12.71
14500
14000
13500
13000
12500
12000
11500
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

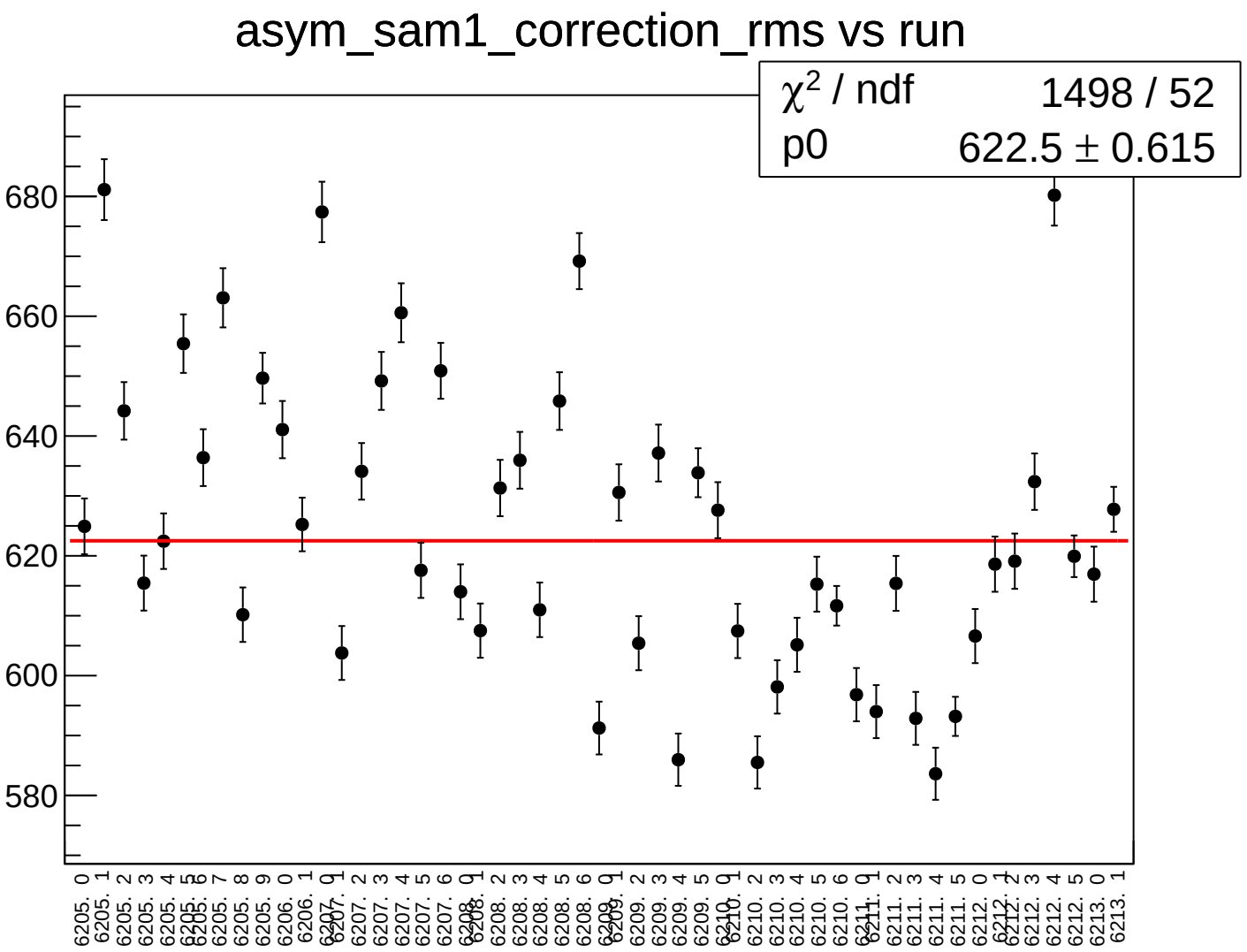

dit_asym_sam1_mean vs run
χ² / ndf 46.07 / 52
p0 −110.4 ± 106.9
pull
Entries 53
Mean 1026
Std Dev 1000

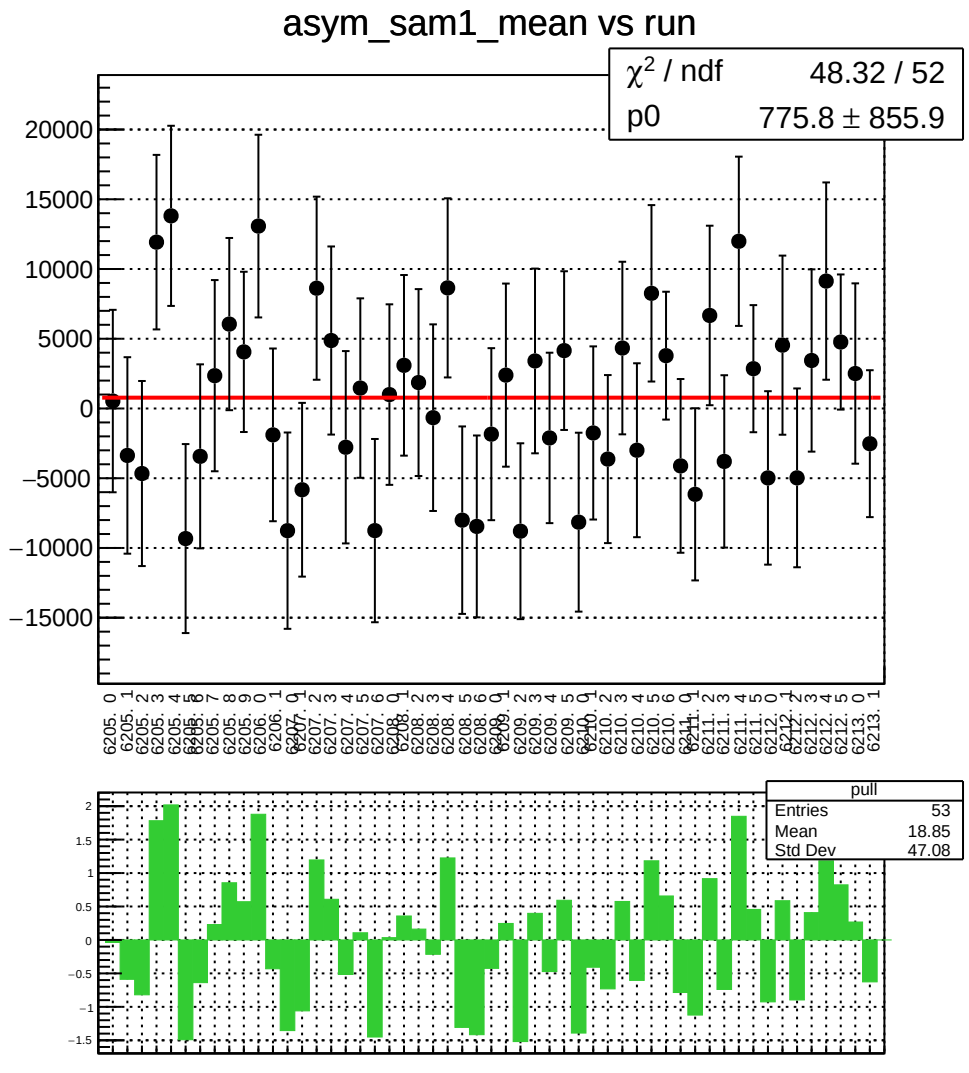

pull1D
Entries 53
Mean −0.003442
Std Dev 0.9323

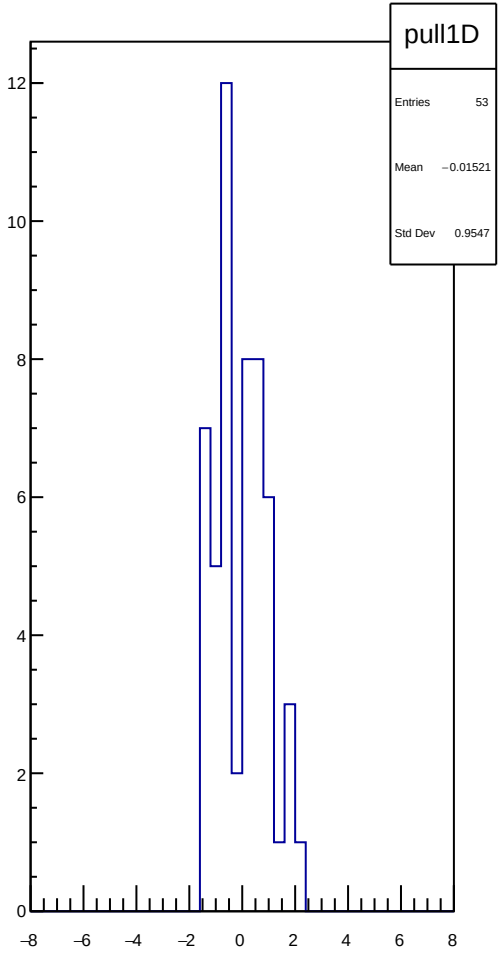

dit_asym_sam1_rms vs run
χ² / ndf 1598 / 52
p0 76.5 ± 0.07558
90
85
80
75
70
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 9
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

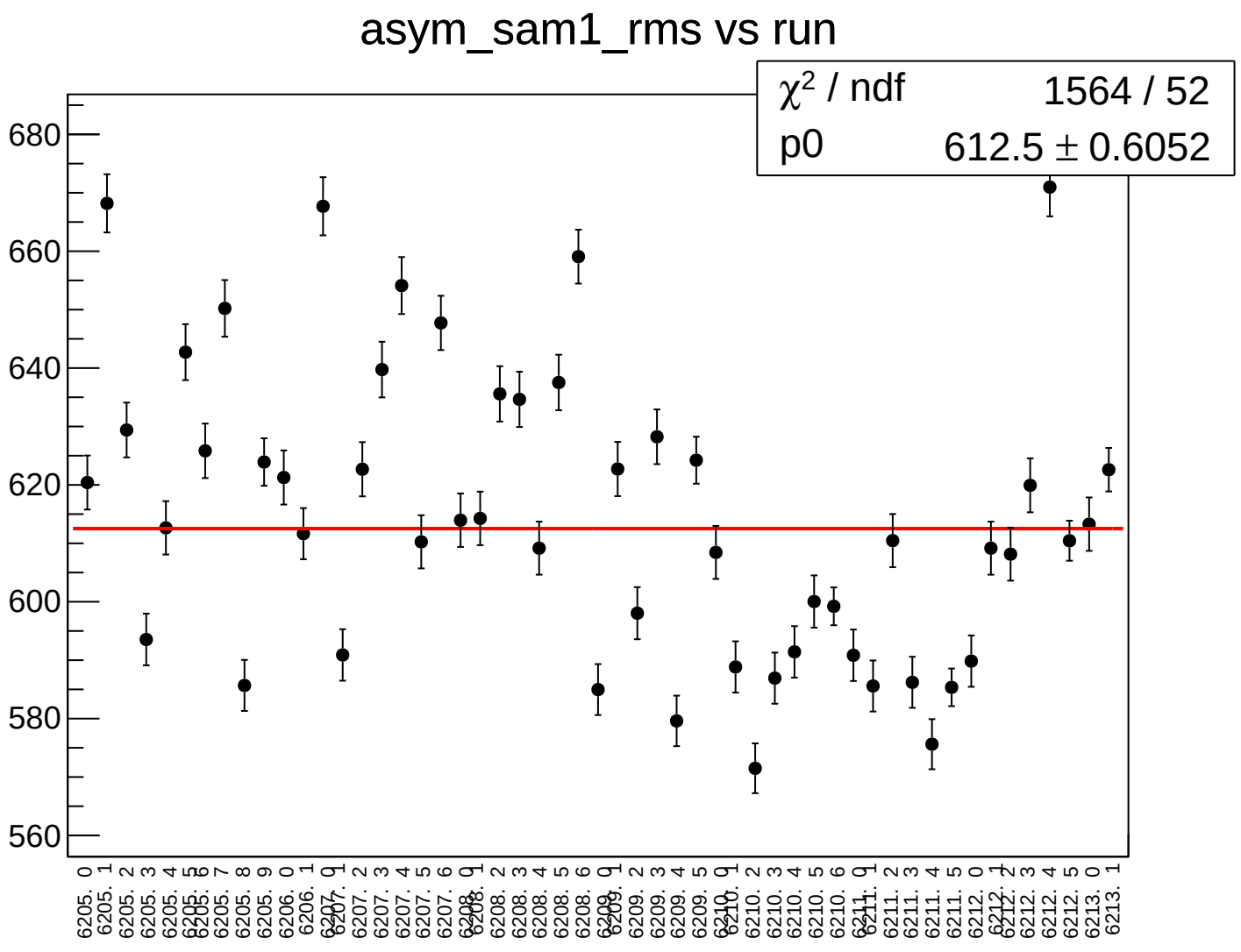

asym_sam1_correction_mean vs run
χ² / ndf 47.83 / 52
p0 −891.7 ± 869.8
pull
Entries 53
Mean −11.88
Std Dev 59.73

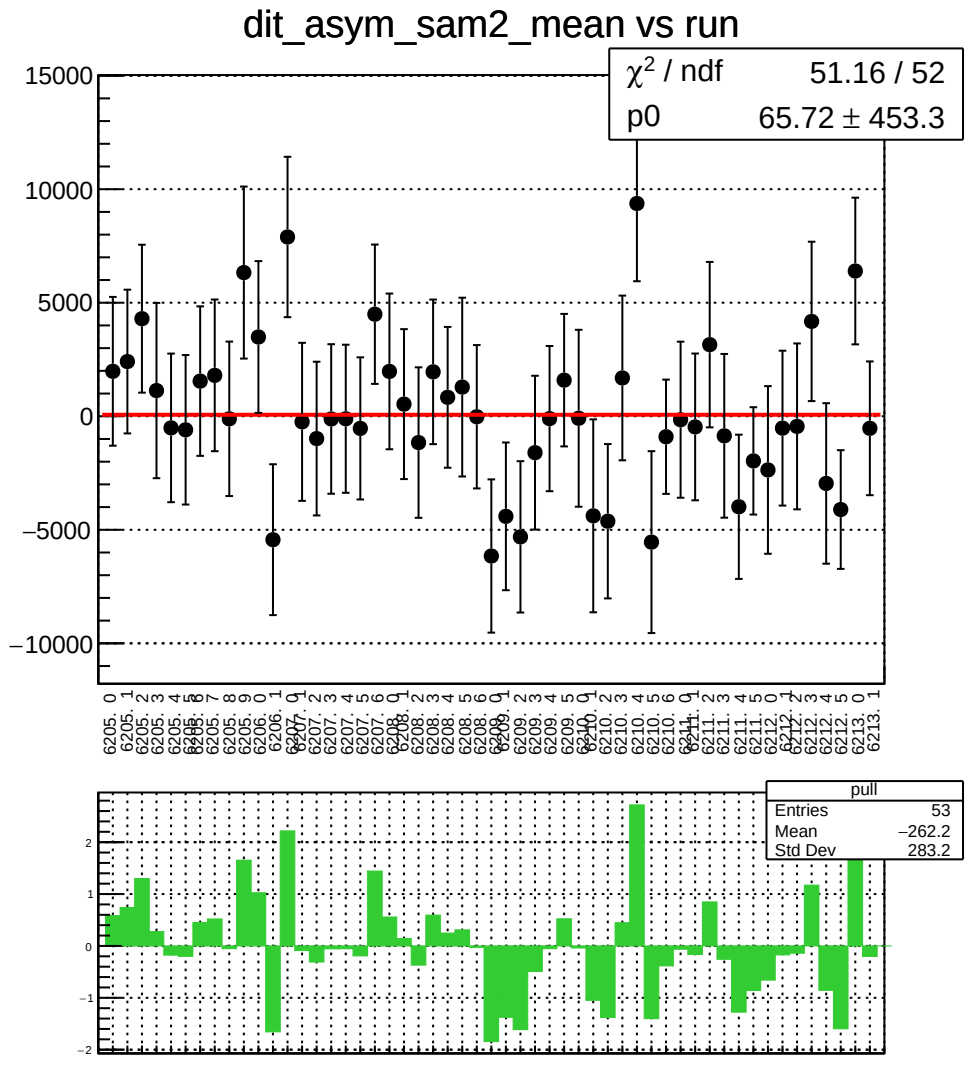

pull1D
Entries 53
Mean 0.0149
Std Dev 0.9499

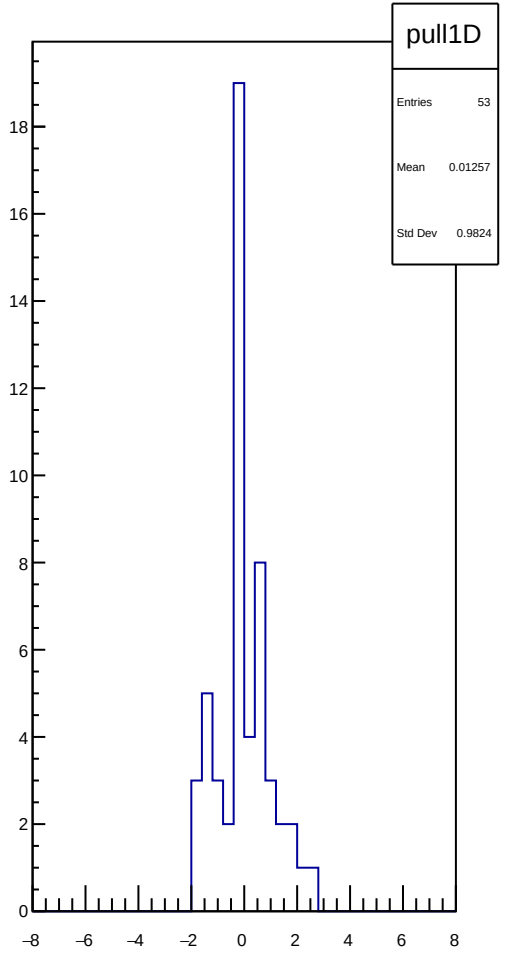

asym_sam1_correction_rms vs run
χ² / ndf 1498 / 52
p0 622.5 ± 0.615
680
660
640
620
600
580
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

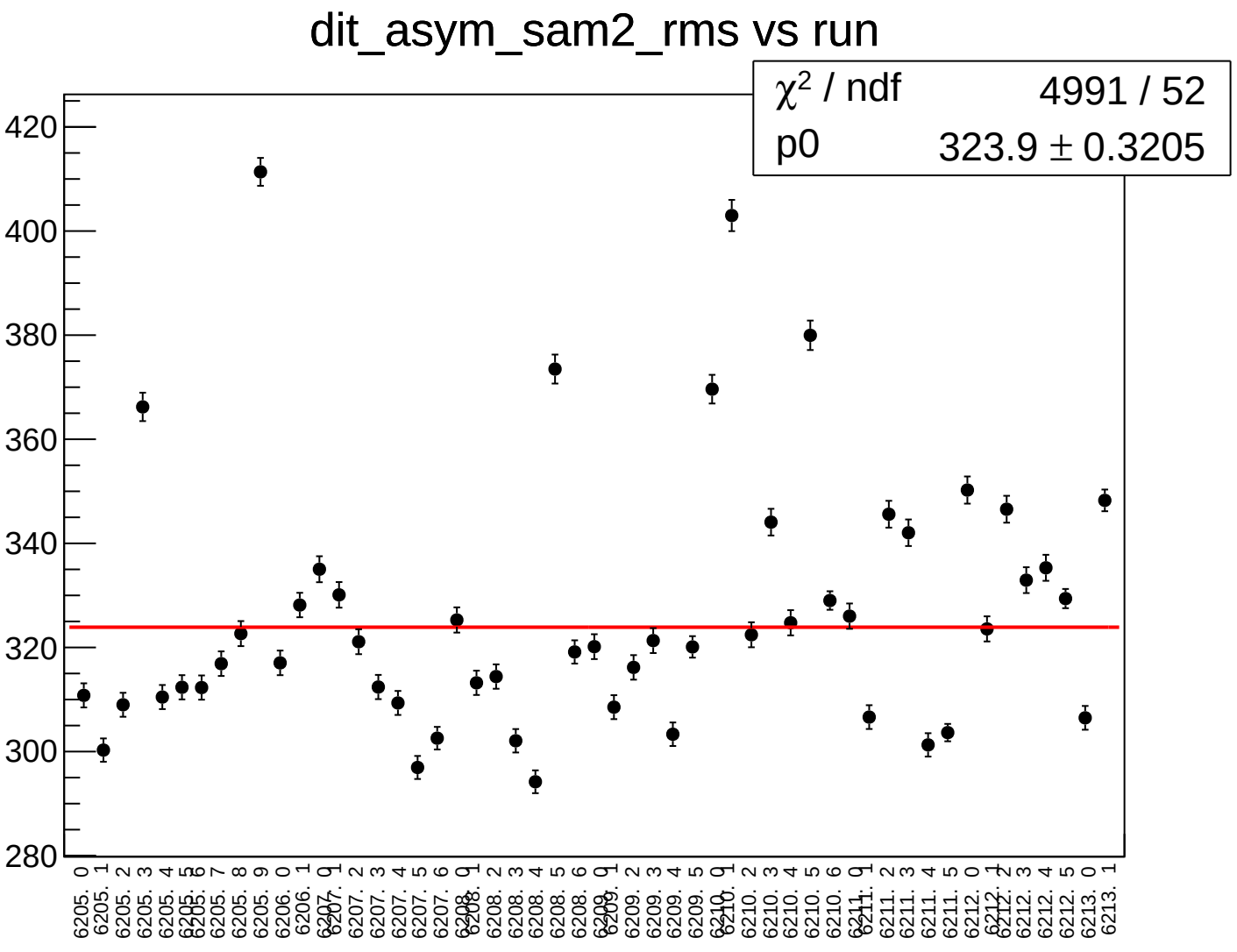

asym_sam1_mean vs run
χ² / ndf 48.32 / 52
p0 775.8 ± 855.9
20000
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean 18.85
Std Dev 47.08
2
1.5
1
0.5
0
−0.5
−1
−1.5

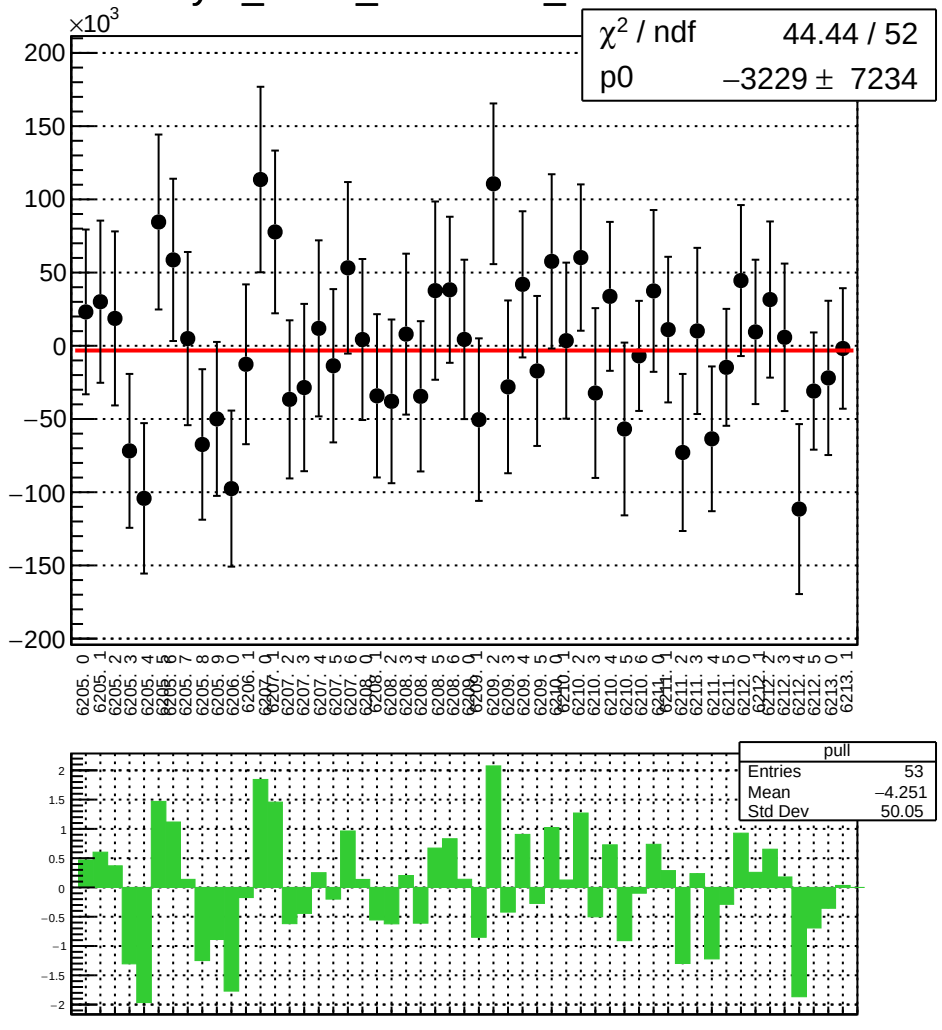

pull1D
Entries 53
Mean −0.01521
Std Dev 0.9547
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

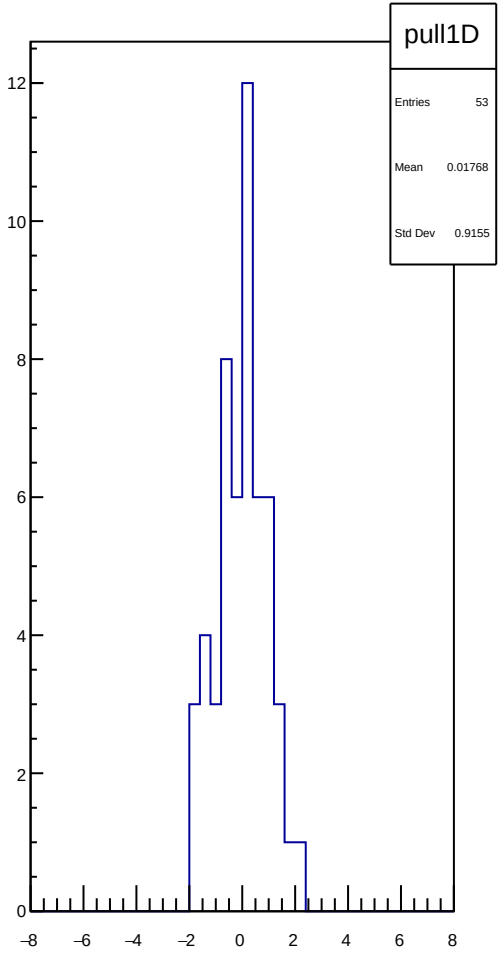

asym_sam1_rms vs run
χ² / ndf 1564 / 52
p0 612.5 ± 0.6052
680
660
640
620
600
580
560
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

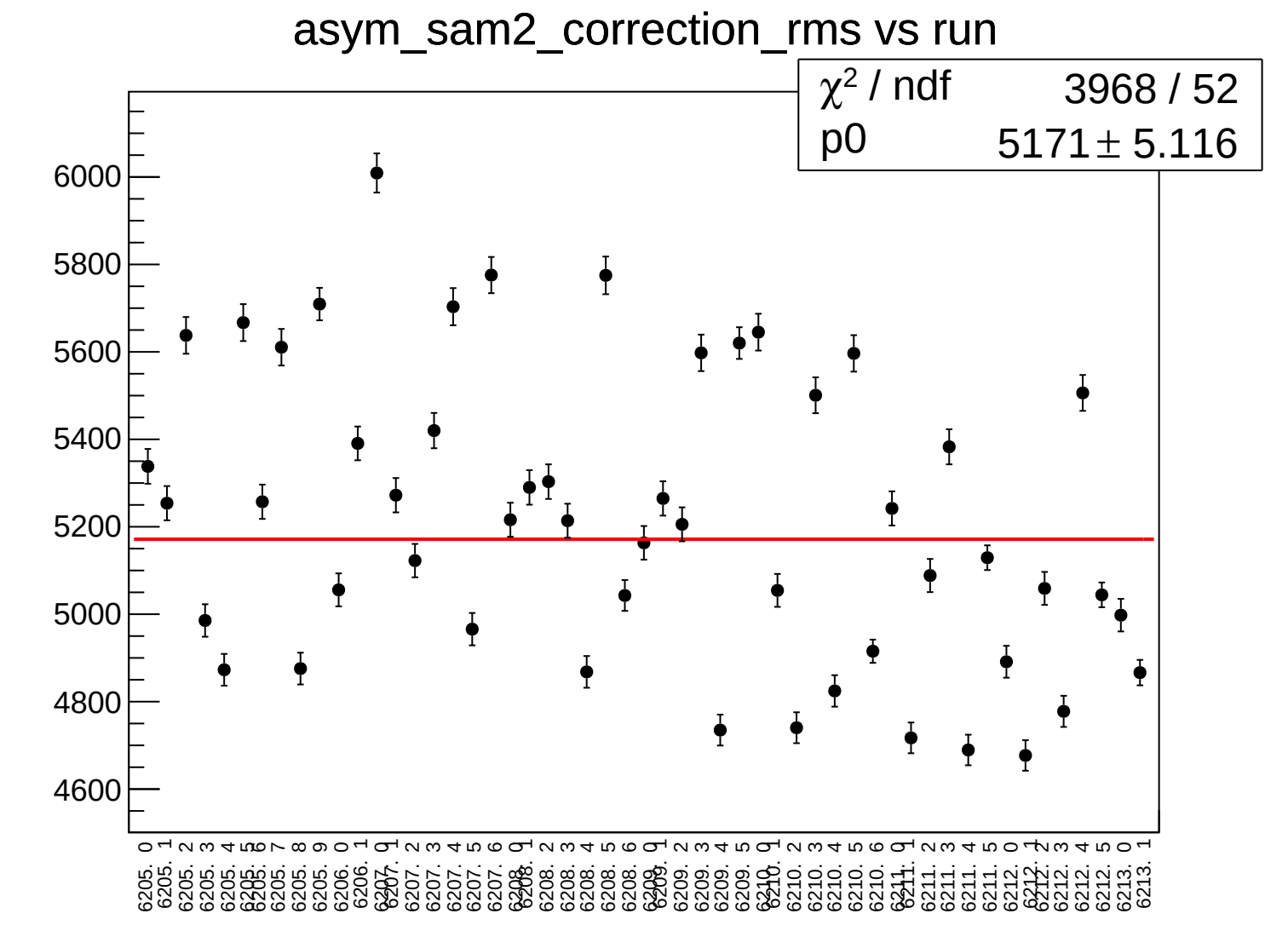

dit_asym_sam2_mean vs run
χ² / ndf 51.16 / 52
p0 65.72 ± 453.3
15000
10000
5000
0
−5000
−10000
pull
Entries 53
Mean −262.2
Std Dev 283.2
2
1
0
−1
−2

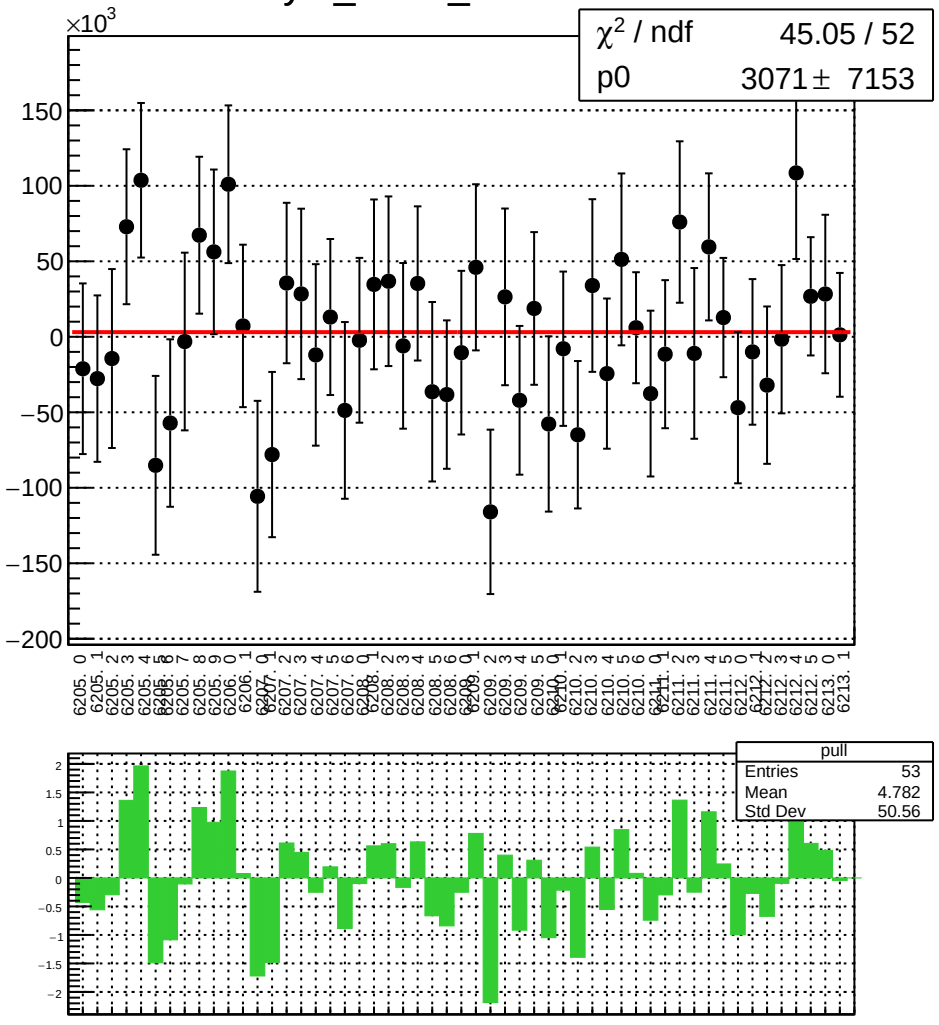

pull1D
Entries 53
Mean 0.01257
Std Dev 0.9824
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

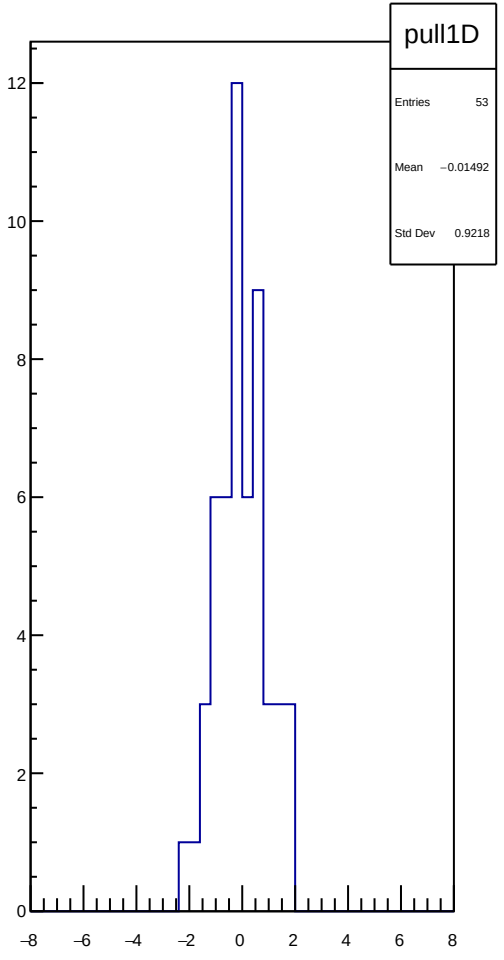

dit_asym_sam2_rms vs run
χ² / ndf 4991 / 52
p0 323.9 ± 0.3205
420
400
380
360
340
320
300
280
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 9
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

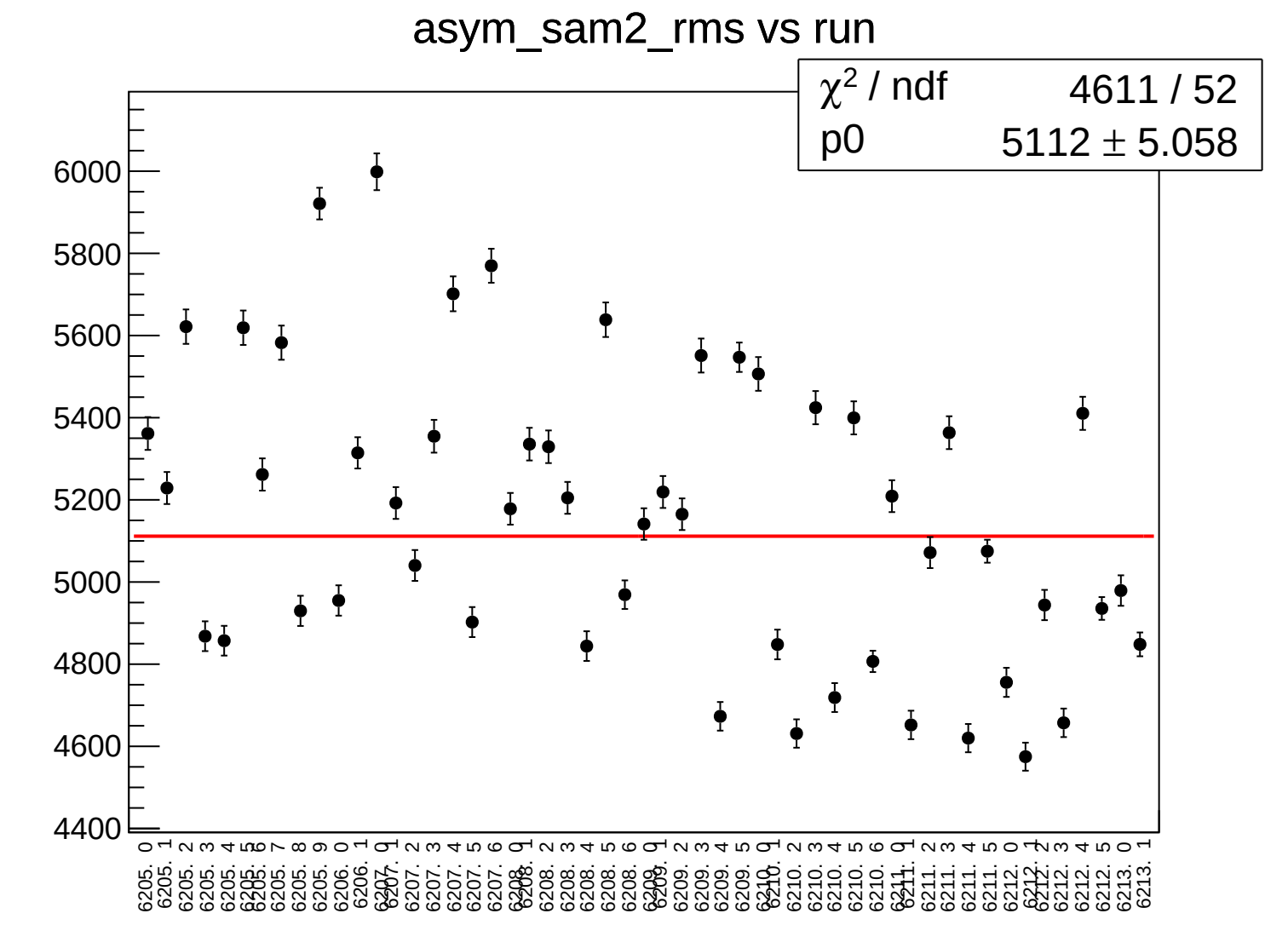

asym_sam2_correction_mean vs run
×10^3
χ² / ndf 44.44 / 52
p0 −3229 ± 7234
pull
Entries 53
Mean −4.251
Std Dev 50.05

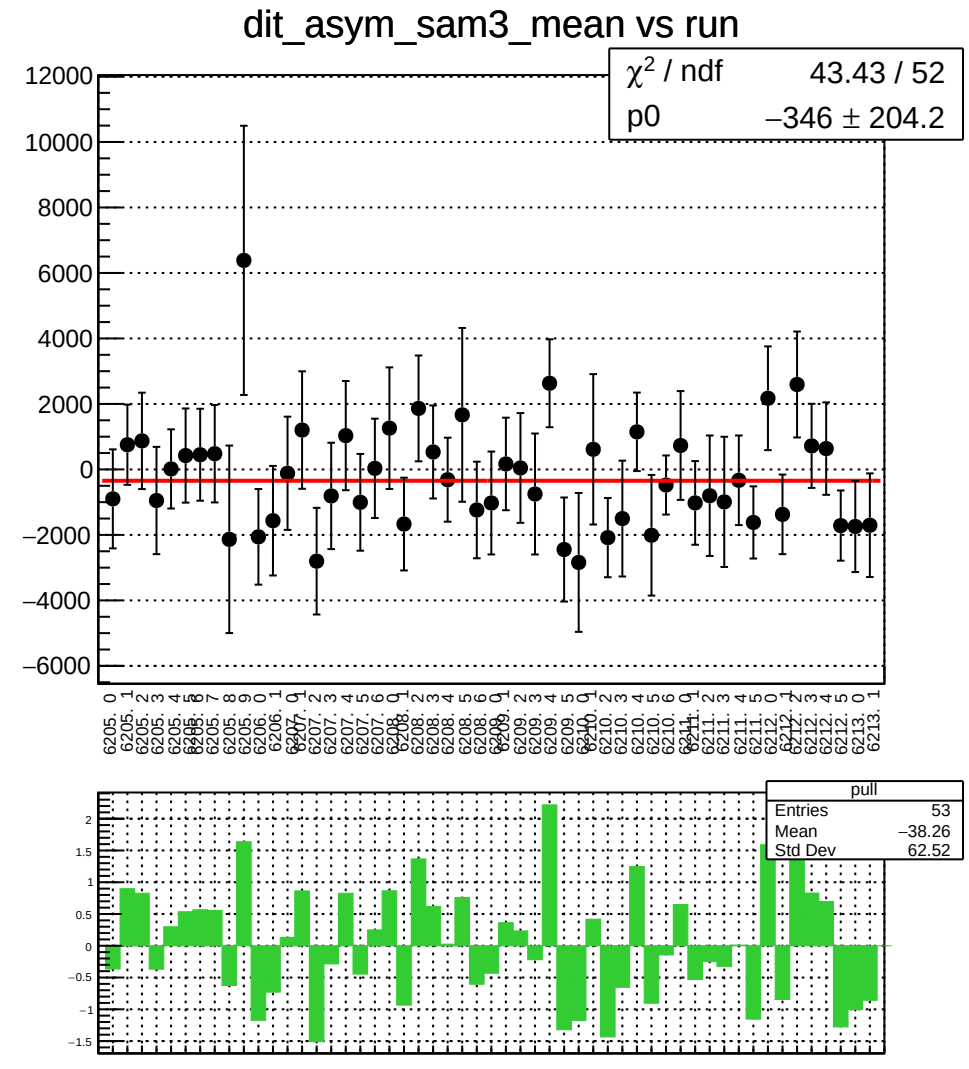

pull1D
Entries 53
Mean 0.01768
Std Dev 0.9155

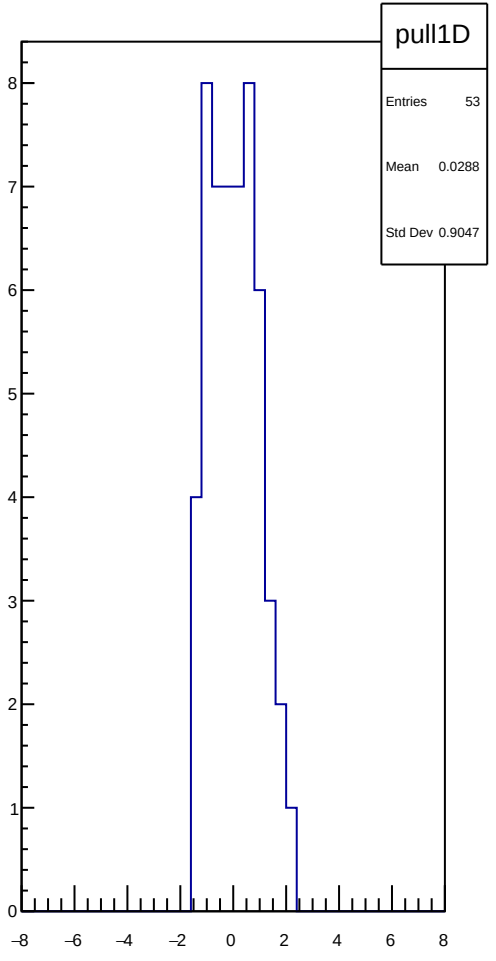

asym_sam2_correction_rms vs run
χ² / ndf 3968 / 52
p0 5171 ± 5.116
6000
5800
5600
5400
5200
5000
4800
4600
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

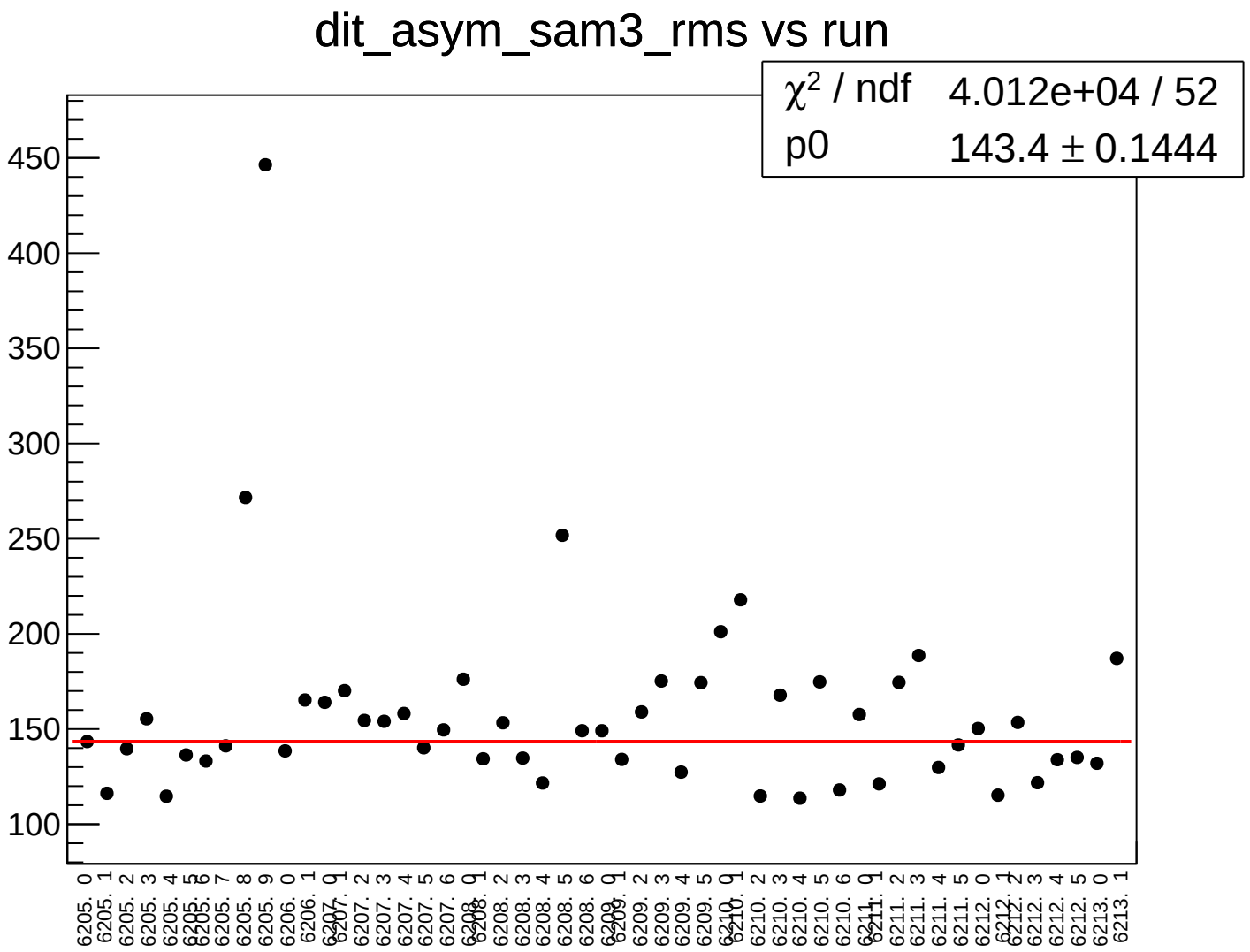

asym_sam2_mean vs run
×10^3
χ^2 / ndf 45.05 / 52
p0 3071 ± 7153
150
100
50
0
−50
−100
−150
−200
pull
Entries 53
Mean 4.782
Std Dev 50.56
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

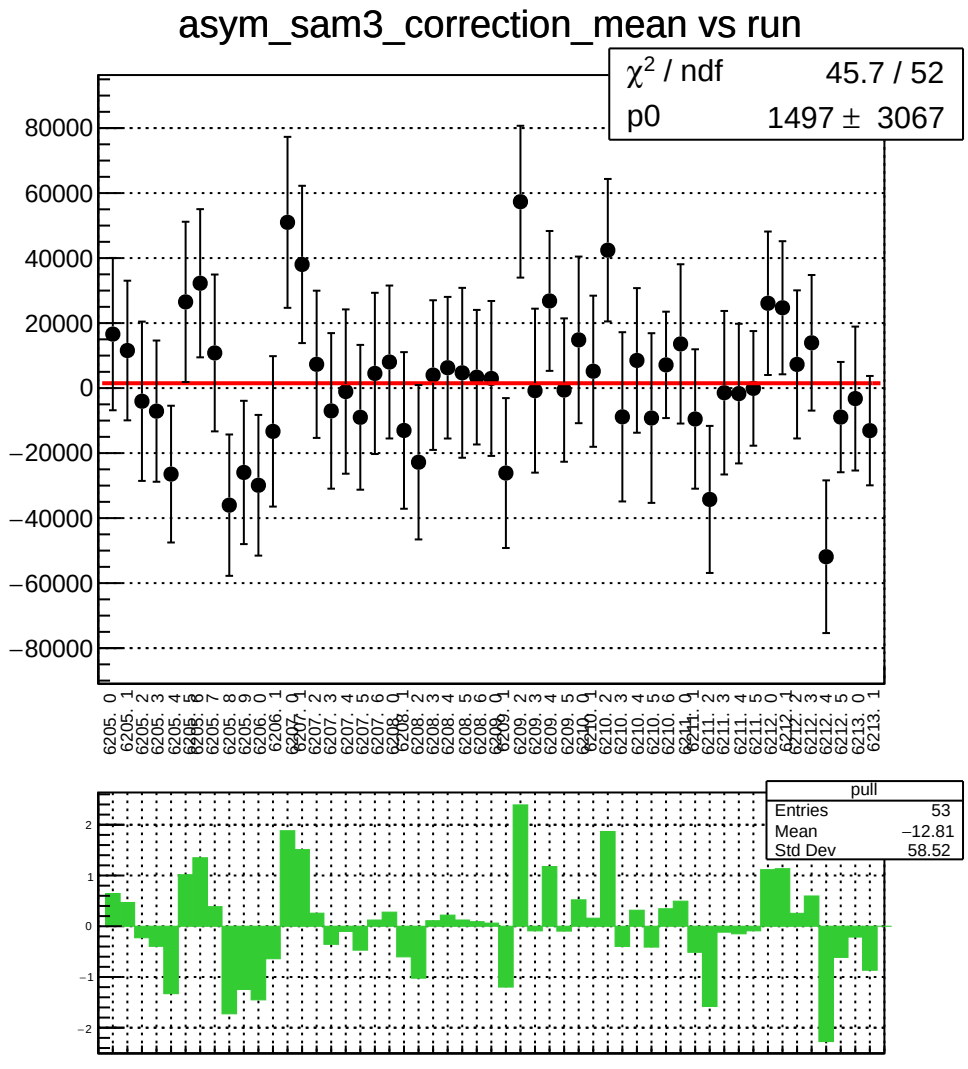

pull1D
Entries 53
Mean −0.01492
Std Dev 0.9218
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

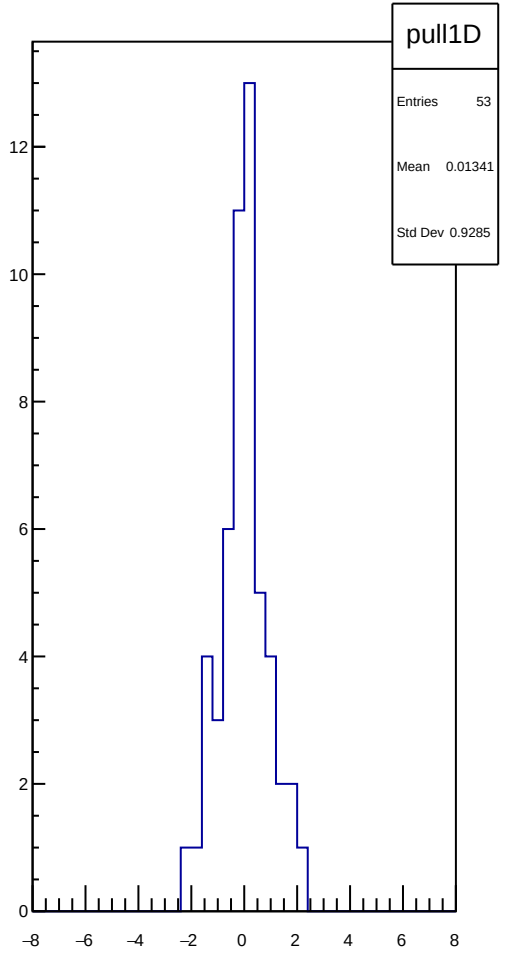

asym_sam2_rms vs run
χ² / ndf 4611 / 52
p0 5112 ± 5.058
6000
5800
5600
5400
5200
5000
4800
4600
4400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

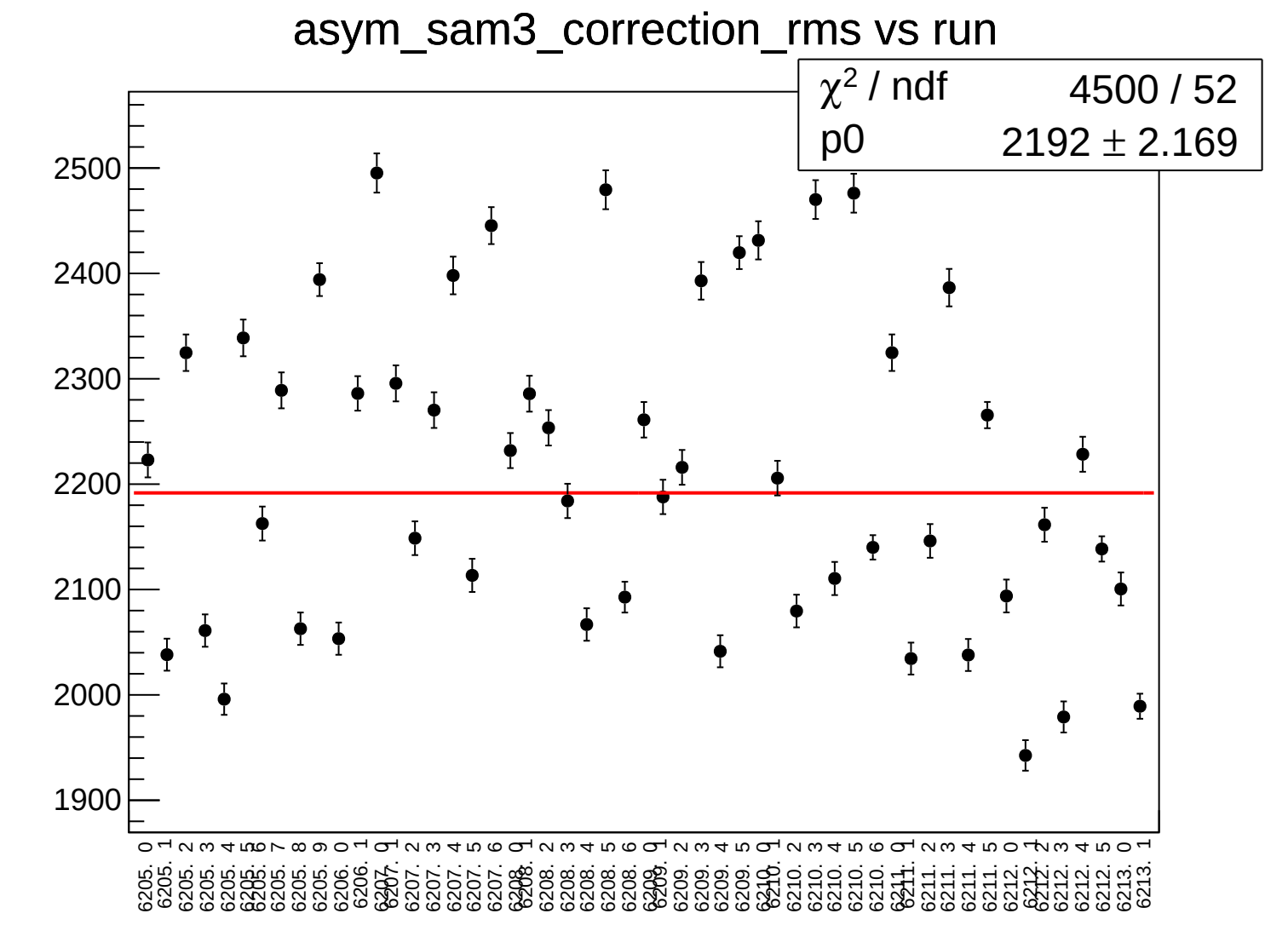

dit_asym_sam3_mean vs run
χ² / ndf 43.43 / 52
p0 −346 ± 204.2
pull
Entries 53
Mean −38.26
Std Dev 62.52

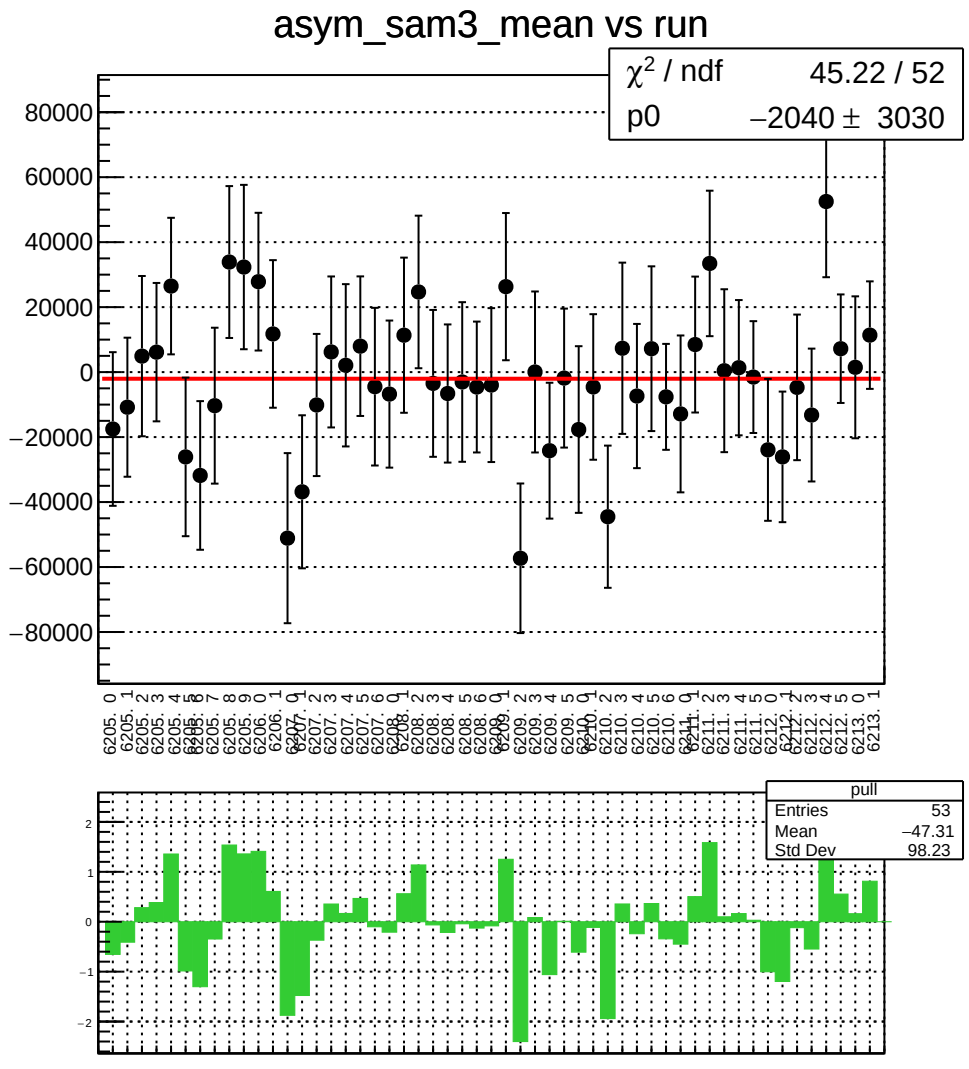

pull1D
Entries 53
Mean 0.0288
Std Dev 0.9047

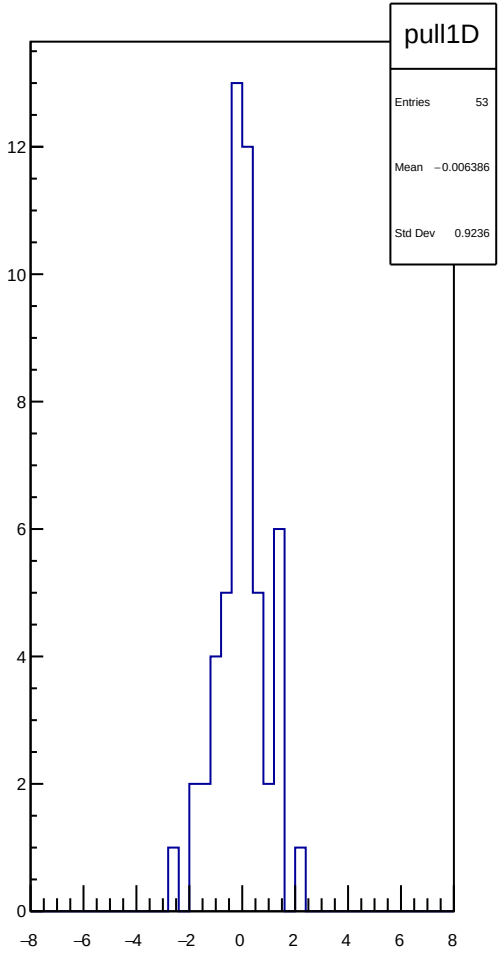

dit_asym_sam3_rms vs run
χ² / ndf 4.012e+04 / 52
p0 143.4 ± 0.1444
450
400
350
300
250
200
150
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

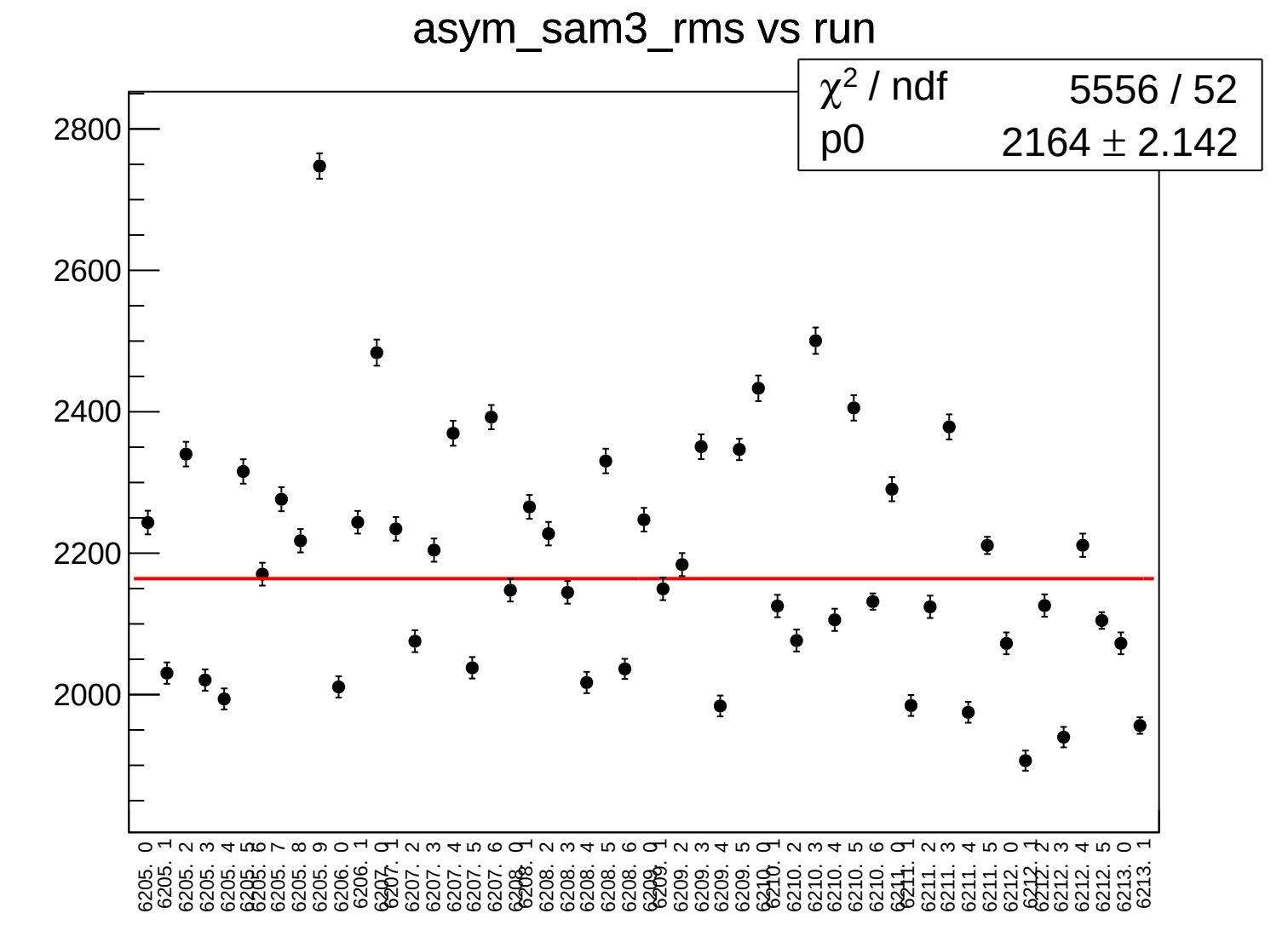

asym_sam3_correction_mean vs run
χ² / ndf 45.7 / 52
p0 1497 ± 3067
pull
Entries 53
Mean −12.81
Std Dev 58.52

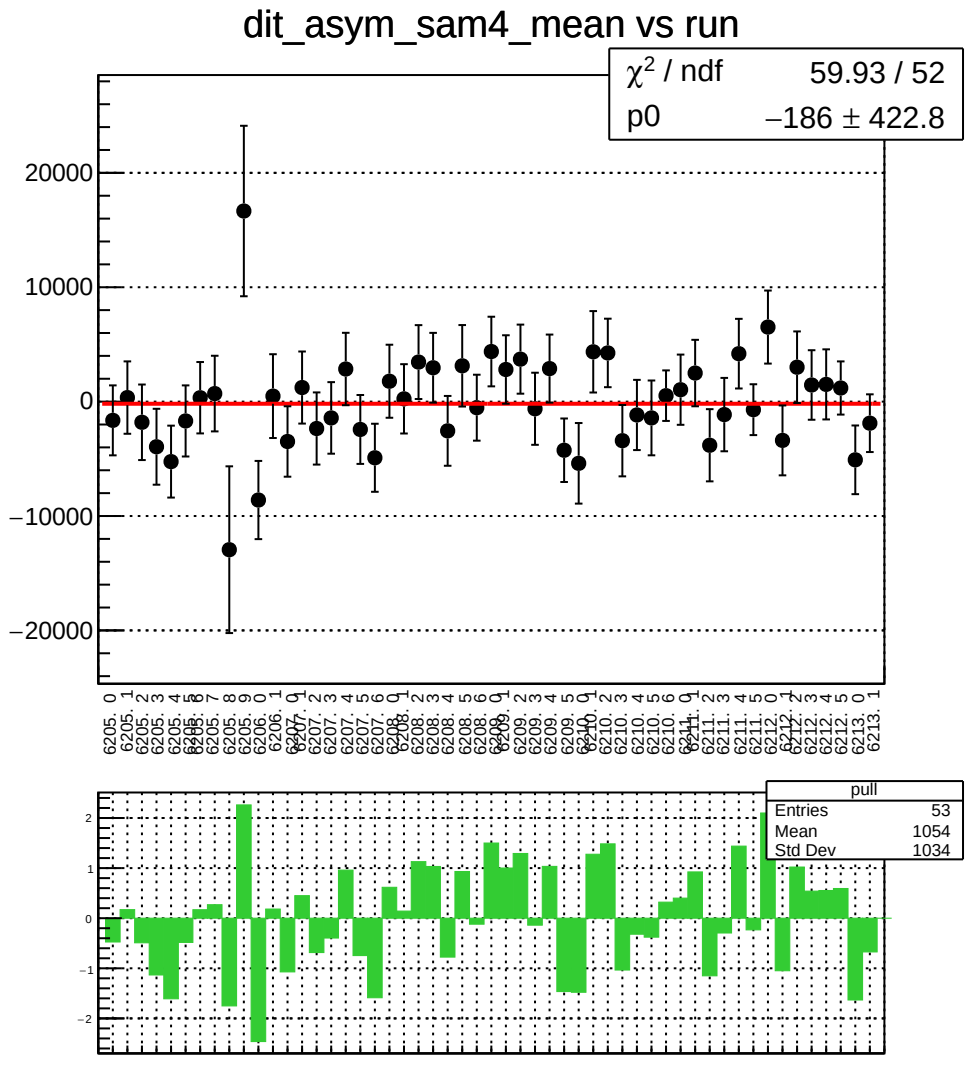

pull1D
Entries 53
Mean 0.01341
Std Dev 0.9285

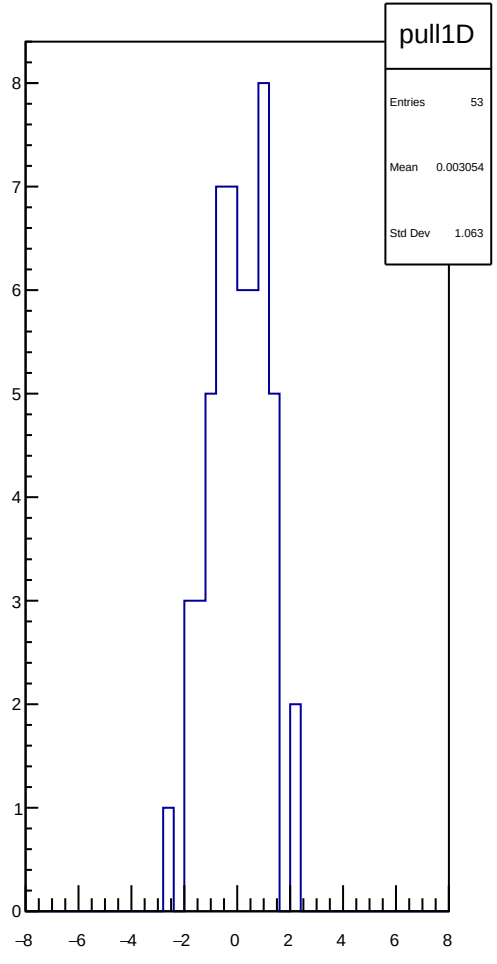

asym_sam3_correction_rms vs run
χ² / ndf 4500 / 52
p0 2192 ± 2.169
2500
2400
2300
2200
2100
2000
1900
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

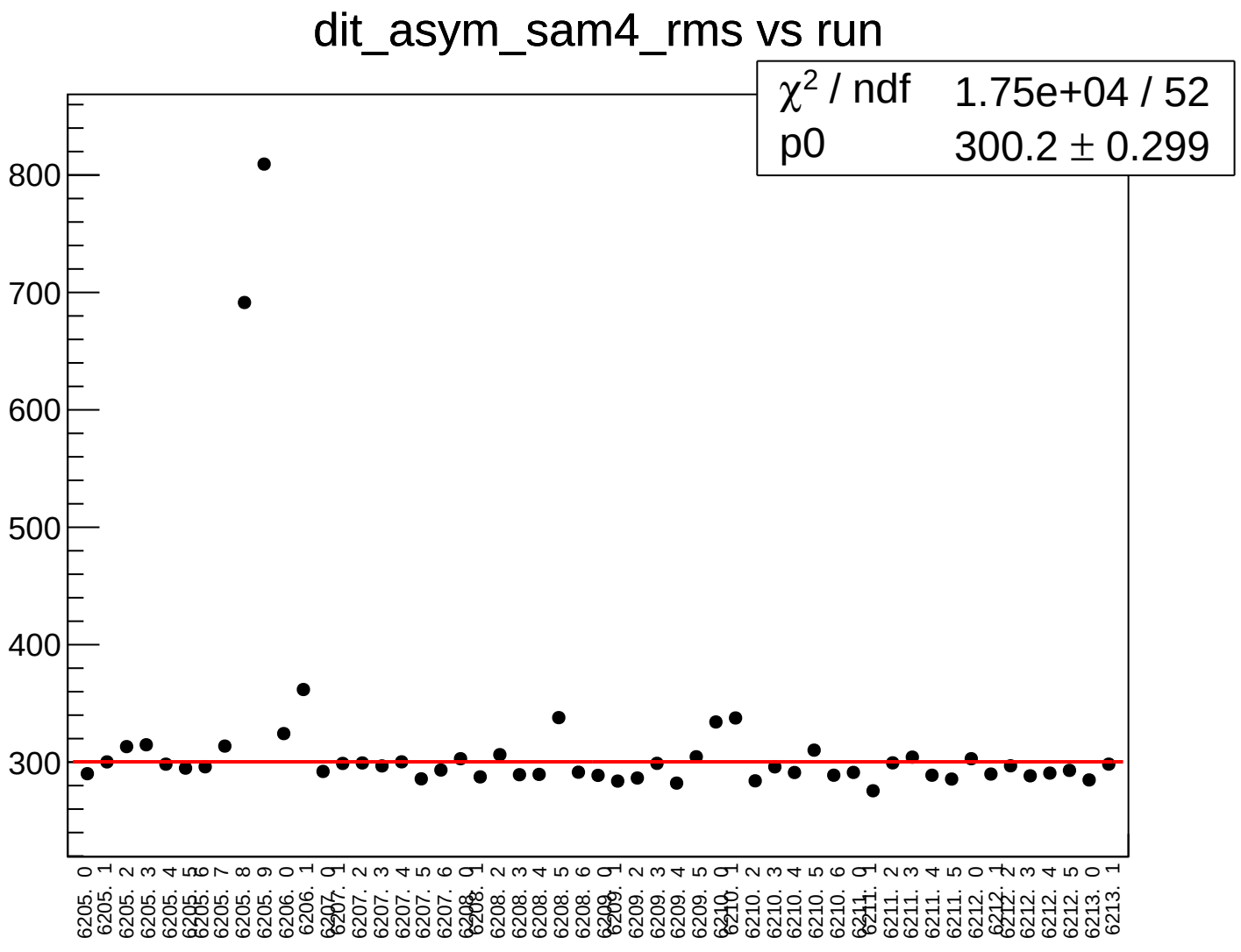

asym_sam3_mean vs run
χ² / ndf 45.22 / 52
p0 −2040 ± 3030
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 53
Mean −47.31
Std Dev 98.23
2
1
0
−1
−2

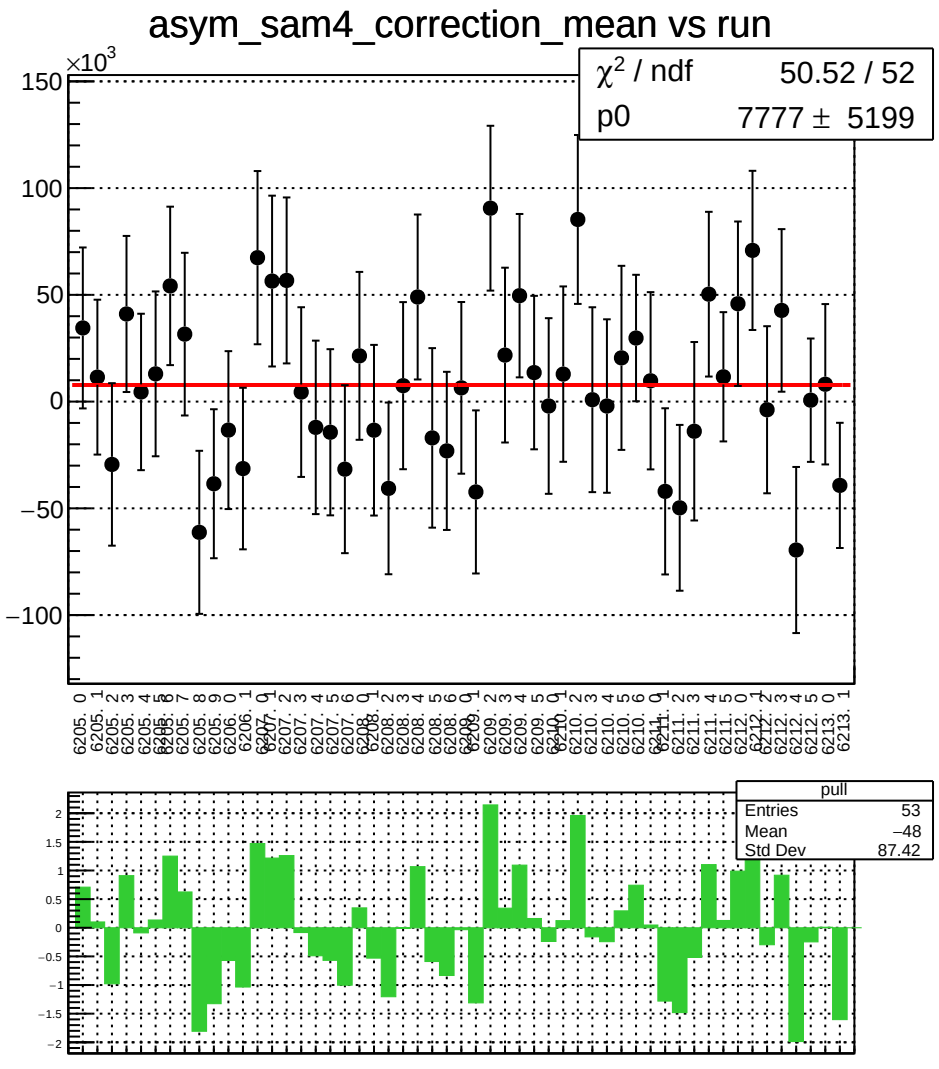

pull1D
Entries 53
Mean −0.006386
Std Dev 0.9236
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

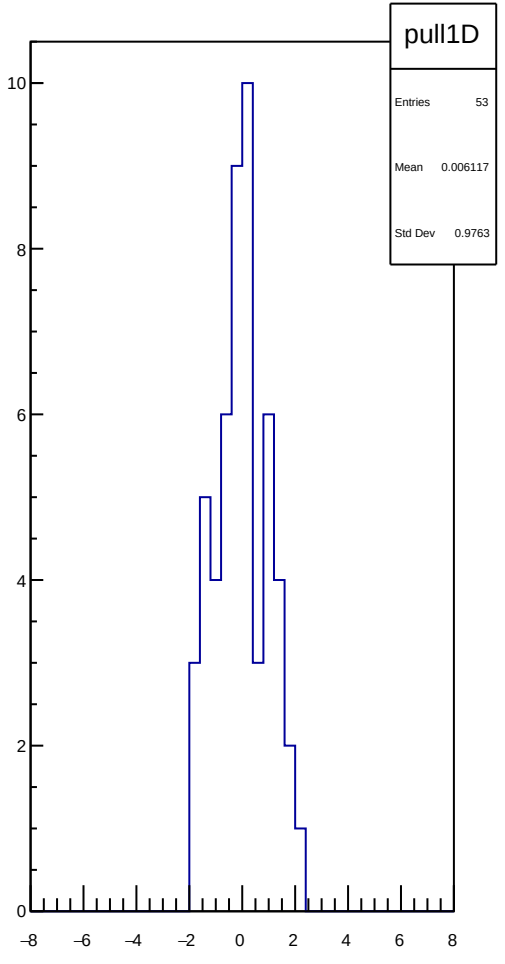

asym_sam3_rms vs run
χ² / ndf 5556 / 52
p0 2164 ± 2.142
2800
2600
2400
2200
2000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

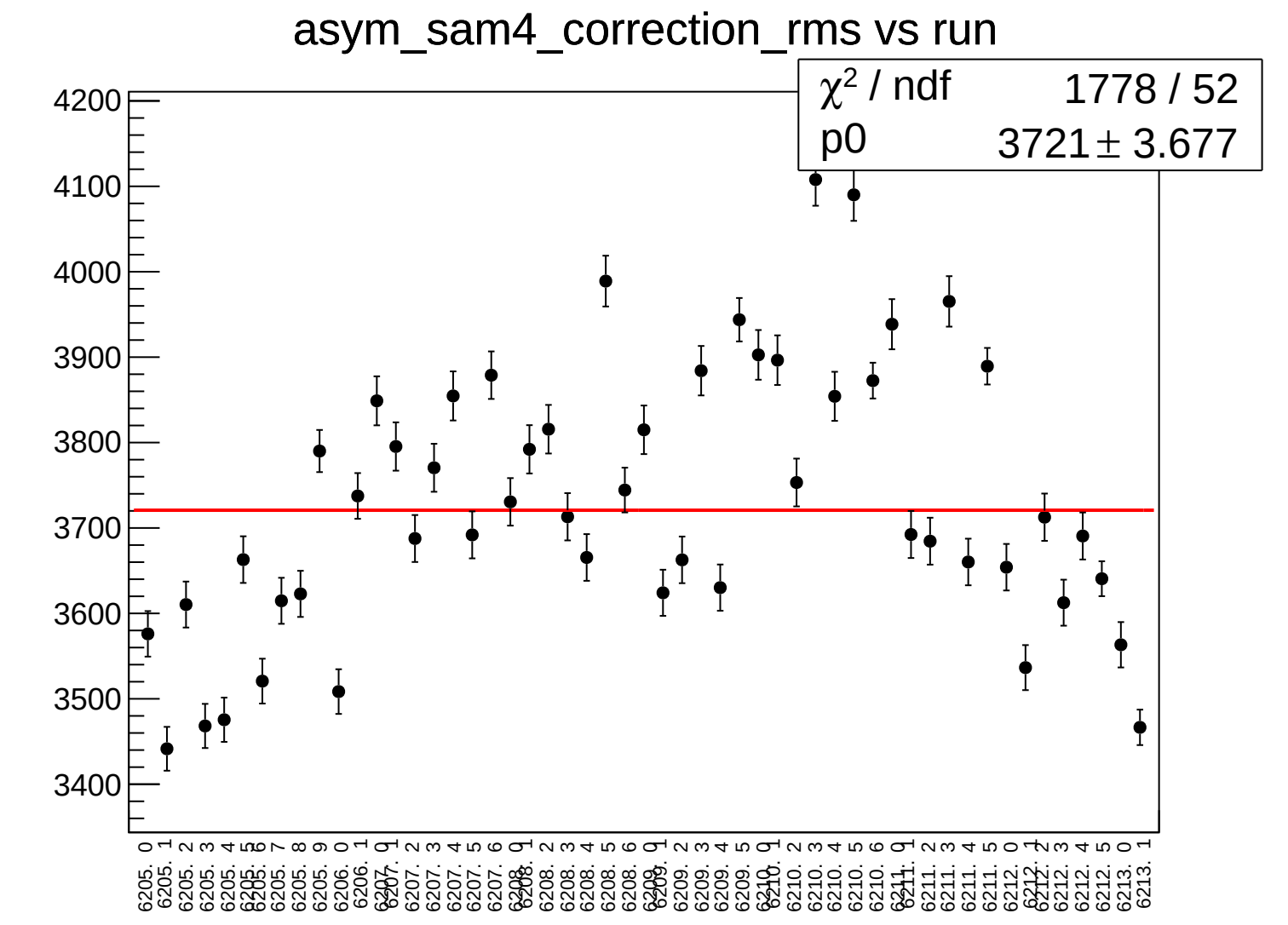

dit_asym_sam4_mean vs run
χ² / ndf 59.93 / 52
p0 −186 ± 422.8
20000
10000
0
−10000
−20000
pull
Entries 53
Mean 1054
Std Dev 1034
2
1
0
−1
−2

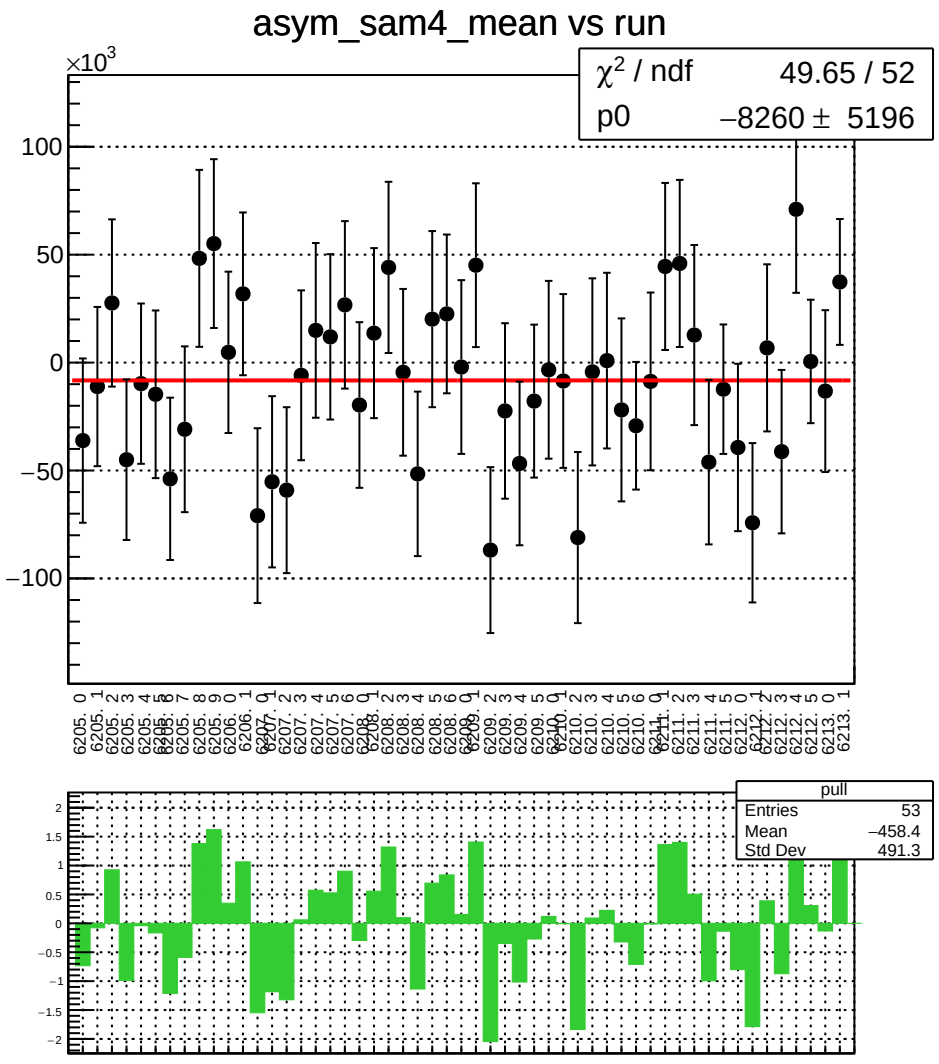

pull1D
Entries 53
Mean 0.003054
Std Dev 1.063
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

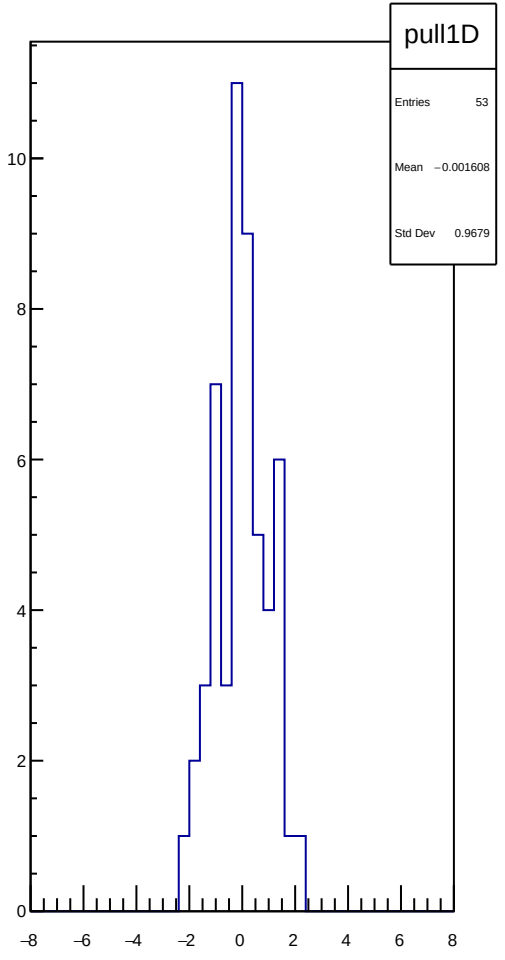

dit_asym_sam4_rms vs run
χ² / ndf 1.75e+04 / 52
p0 300.2 ± 0.299
800
700
600
500
400
300
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 9
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

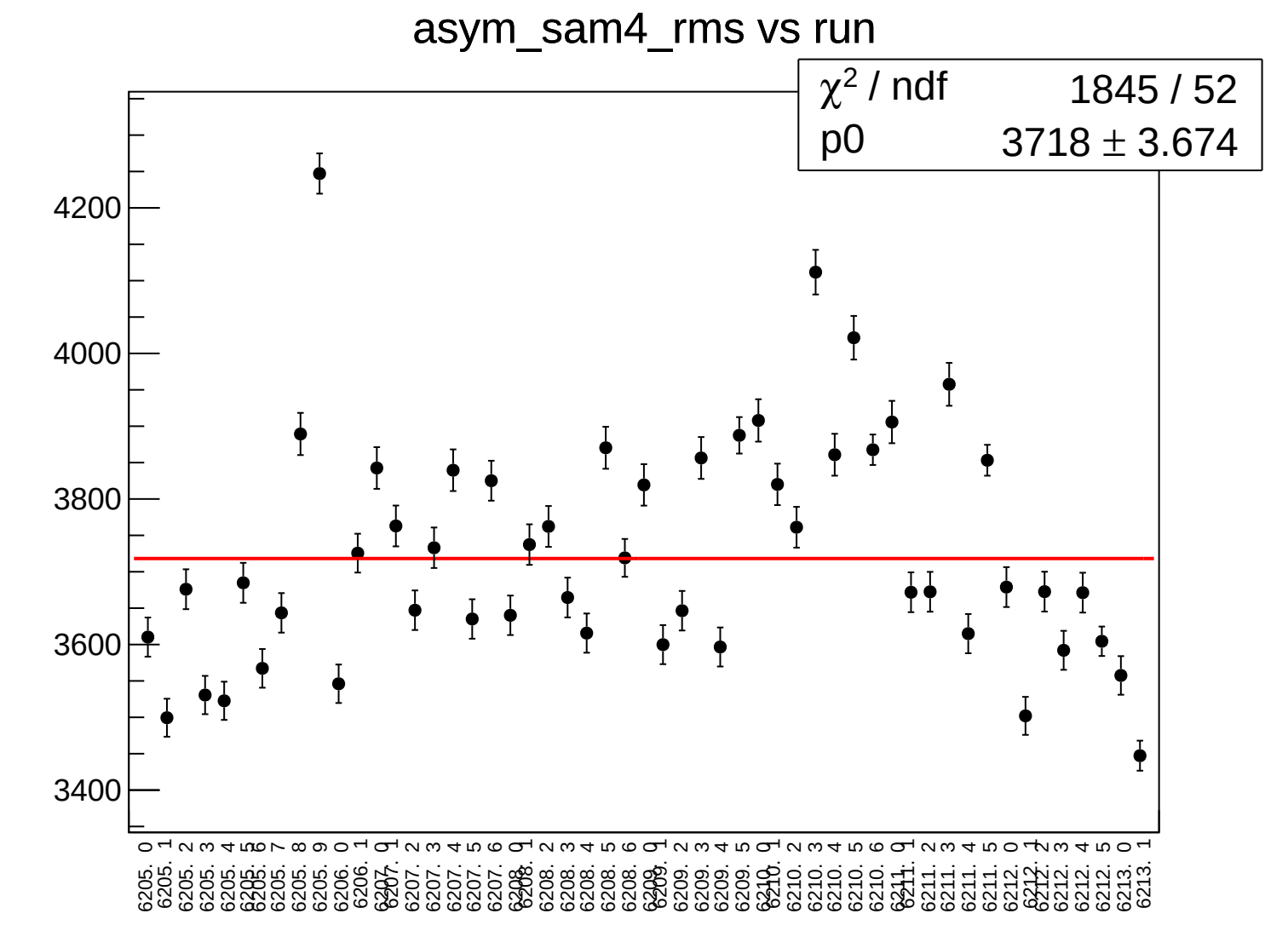

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 50.52 / 52
p0 7777 ± 5199
150
100
50
0
−50
−100
pull
Entries 53
Mean −48
Std Dev 87.42
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

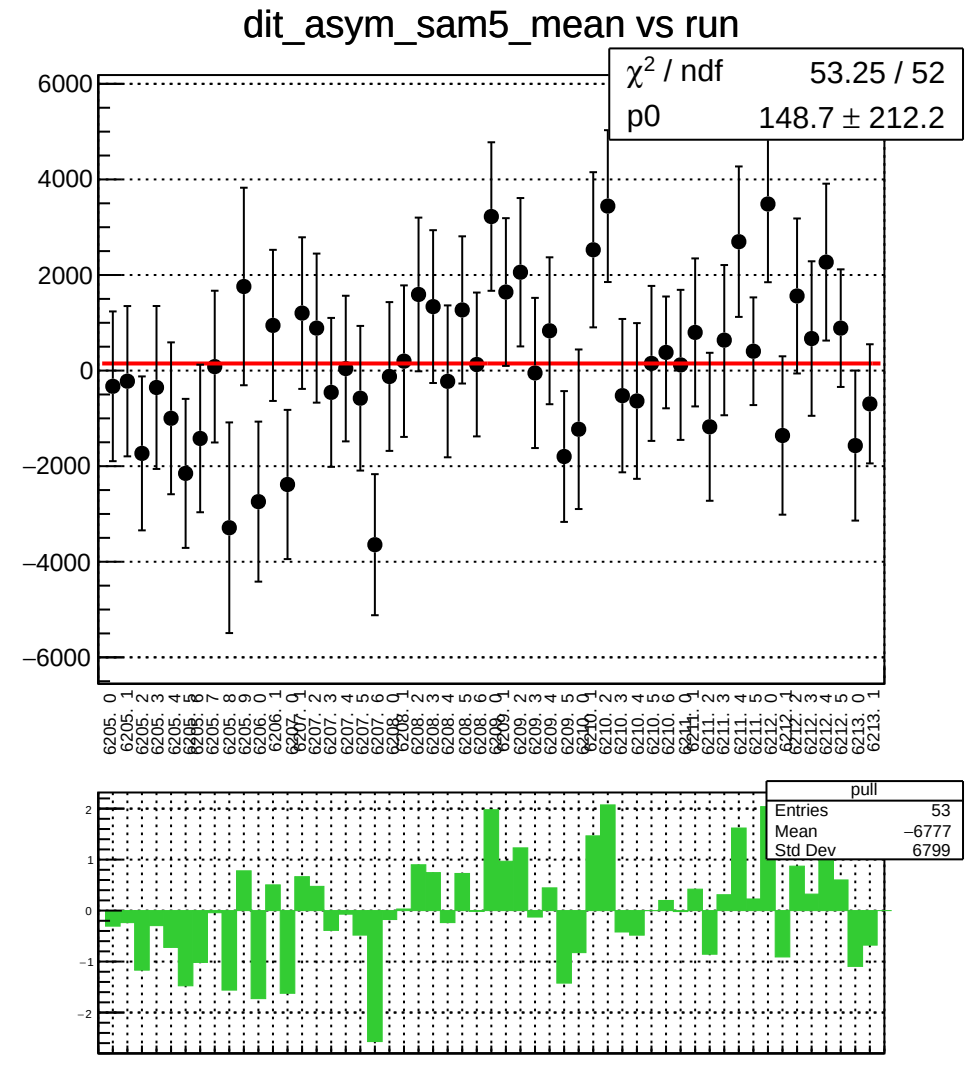

pull1D
Entries 53
Mean 0.006117
Std Dev 0.9763
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

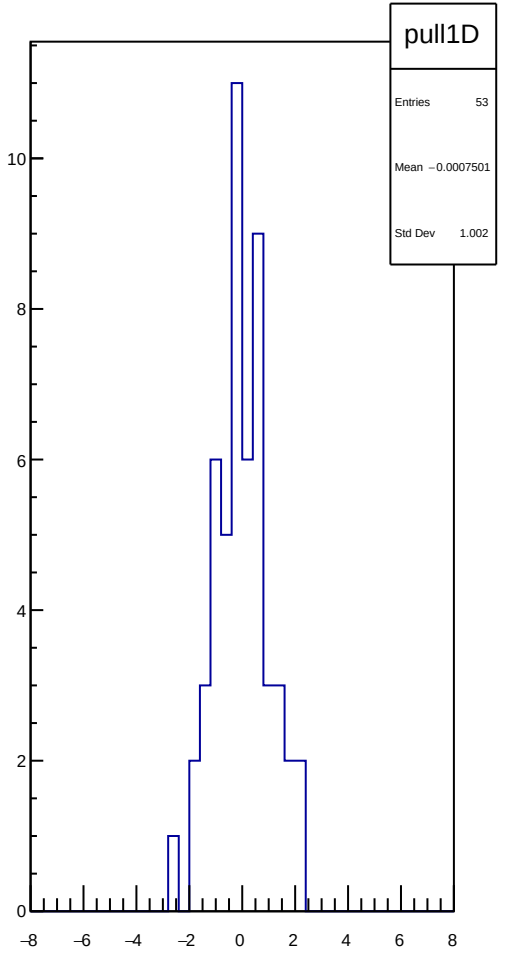

asym_sam4_correction_rms vs run
χ² / ndf 1778 / 52
p0 3721 ± 3.677
4200
4100
4000
3900
3800
3700
3600
3500
3400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

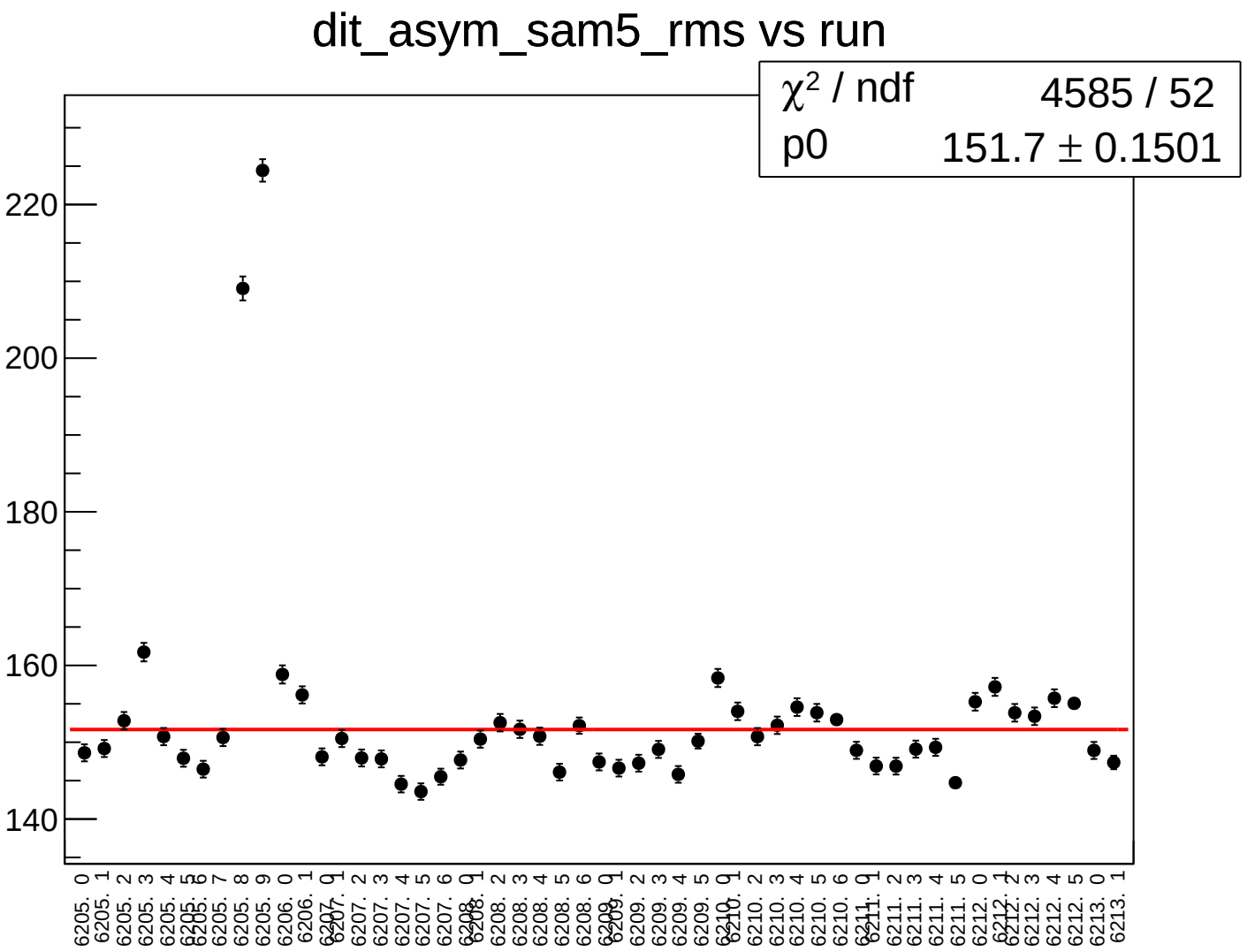

asym_sam4_mean vs run
×10^3
χ² / ndf 49.65 / 52
p0 −8260 ± 5196
100
50
0
−50
−100
pull
Entries 53
Mean −458.4
Std Dev 491.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

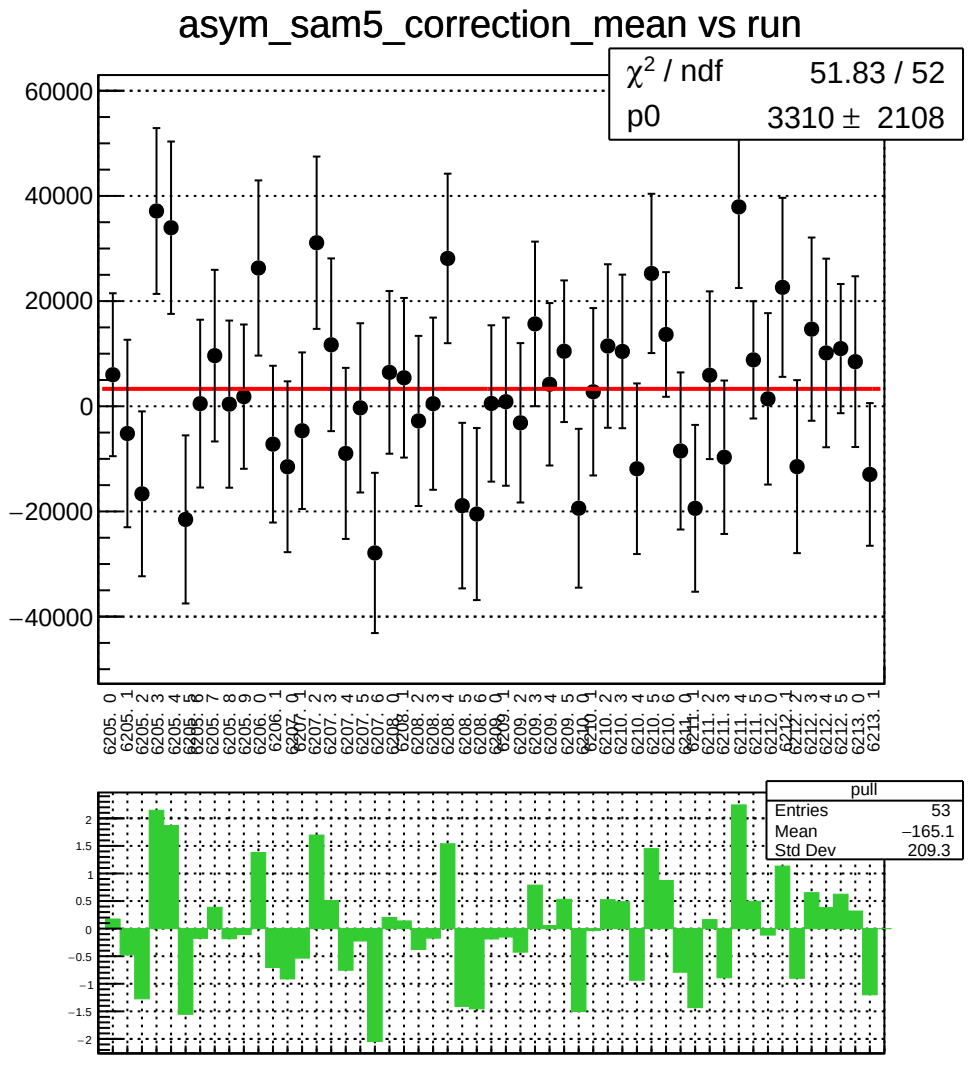

pull1D
Entries 53
Mean −0.001608
Std Dev 0.9679
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

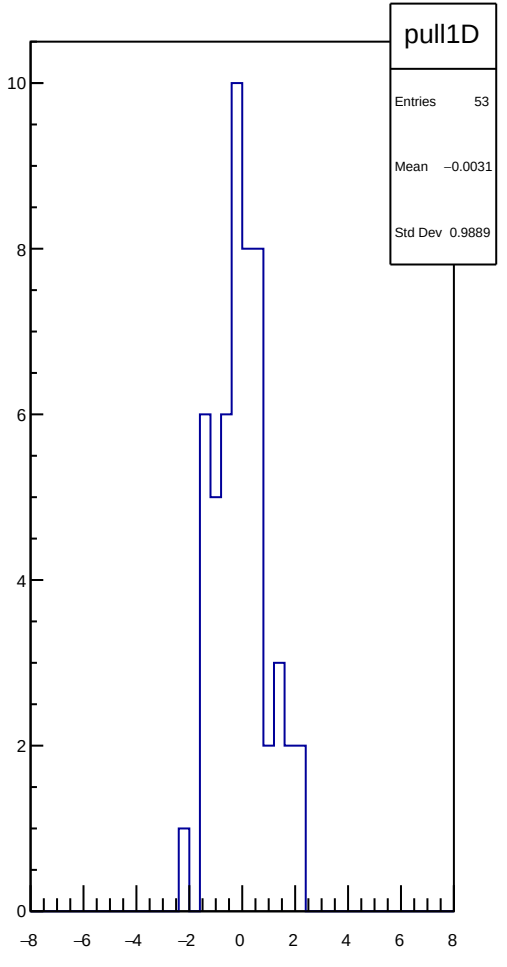

asym_sam4_rms vs run
χ² / ndf 1845 / 52
p0 3718 ± 3.674
4200
4000
3800
3600
3400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

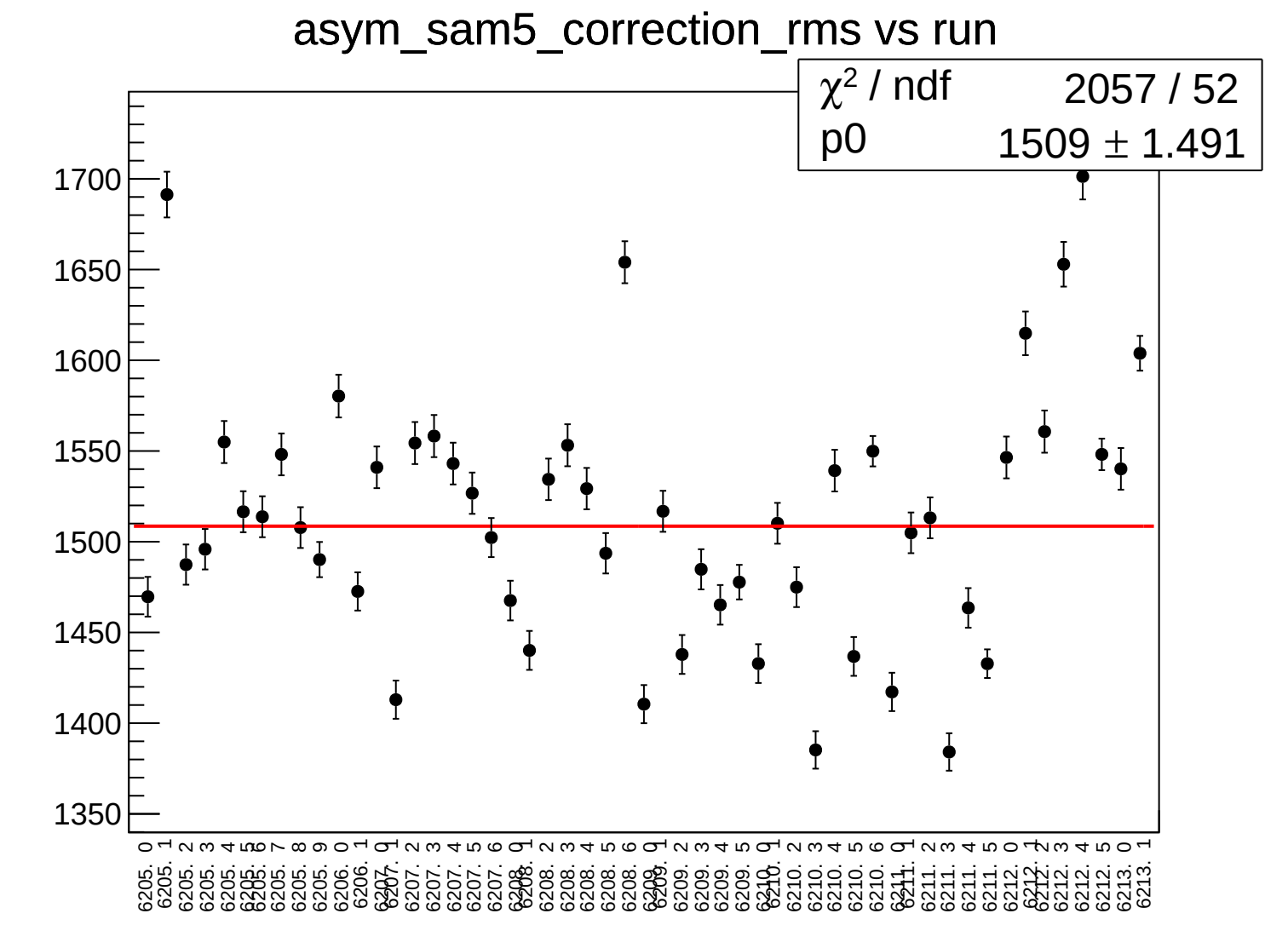

dit_asym_sam5_mean vs run
χ² / ndf 53.25 / 52
p0 148.7 ± 212.2
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 53
Mean −6777
Std Dev 6799
2
1
0
−1
−2

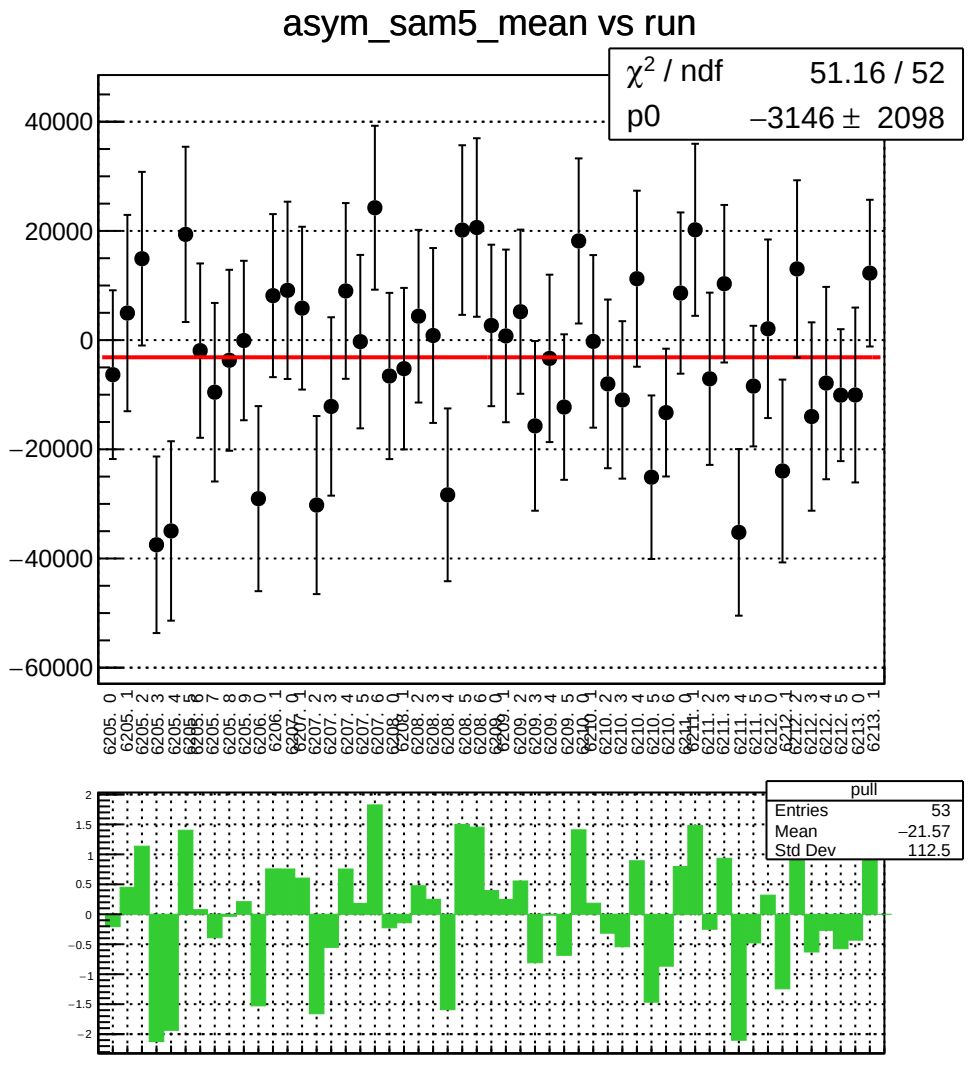

pull1D
Entries 53
Mean −0.0007501
Std Dev 1.002
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

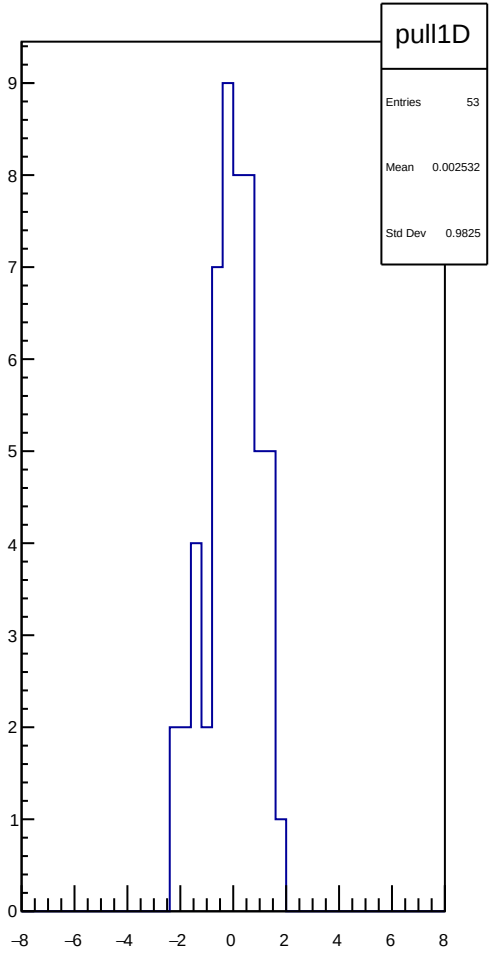

dit_asym_sam5_rms vs run
χ² / ndf 4585 / 52
p0 151.7 ± 0.1501
220
200
180
160
140
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

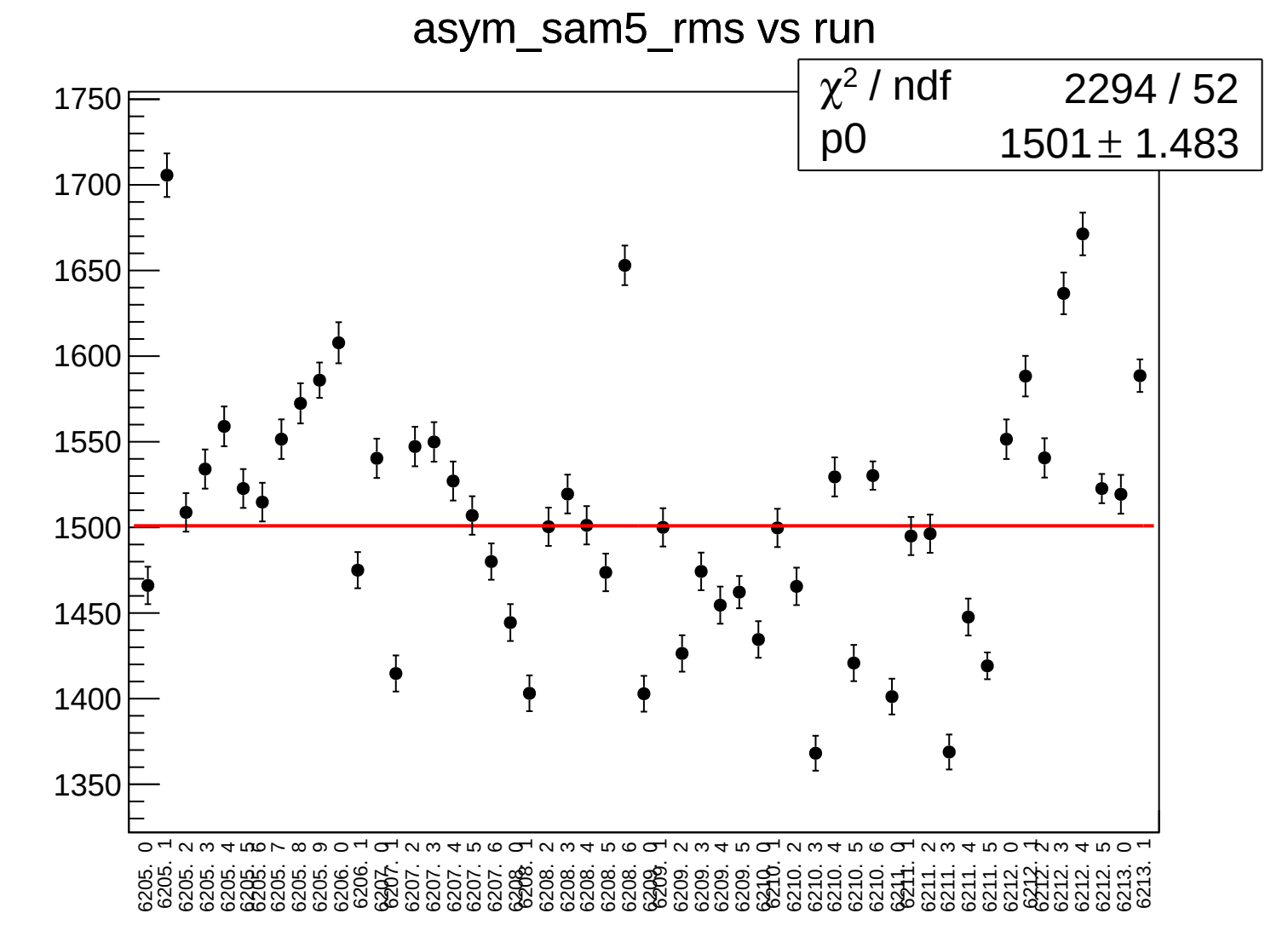

asym_sam5_correction_mean vs run
χ² / ndf 51.83 / 52
p0 3310 ± 2108
60000
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −165.1
Std Dev 209.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

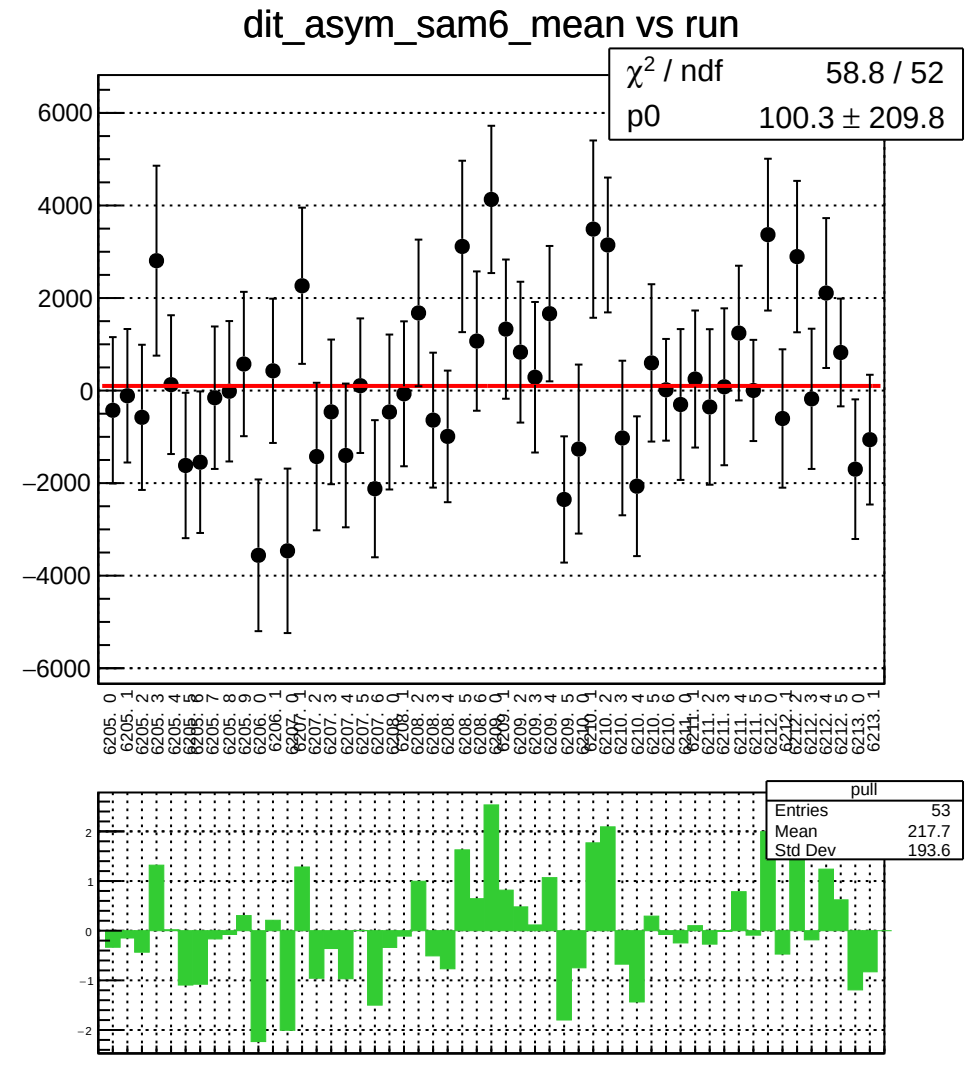

pull1D
Entries 53
Mean −0.0031
Std Dev 0.9889
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

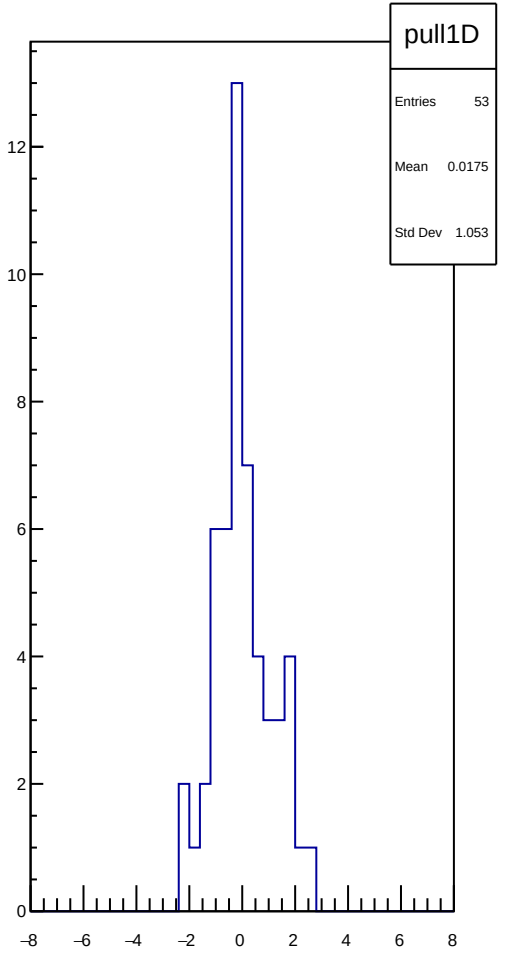

asym_sam5_correction_rms vs run
χ² / ndf 2057 / 52
p0 1509 ± 1.491
1700
1650
1600
1550
1500
1450
1400
1350
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

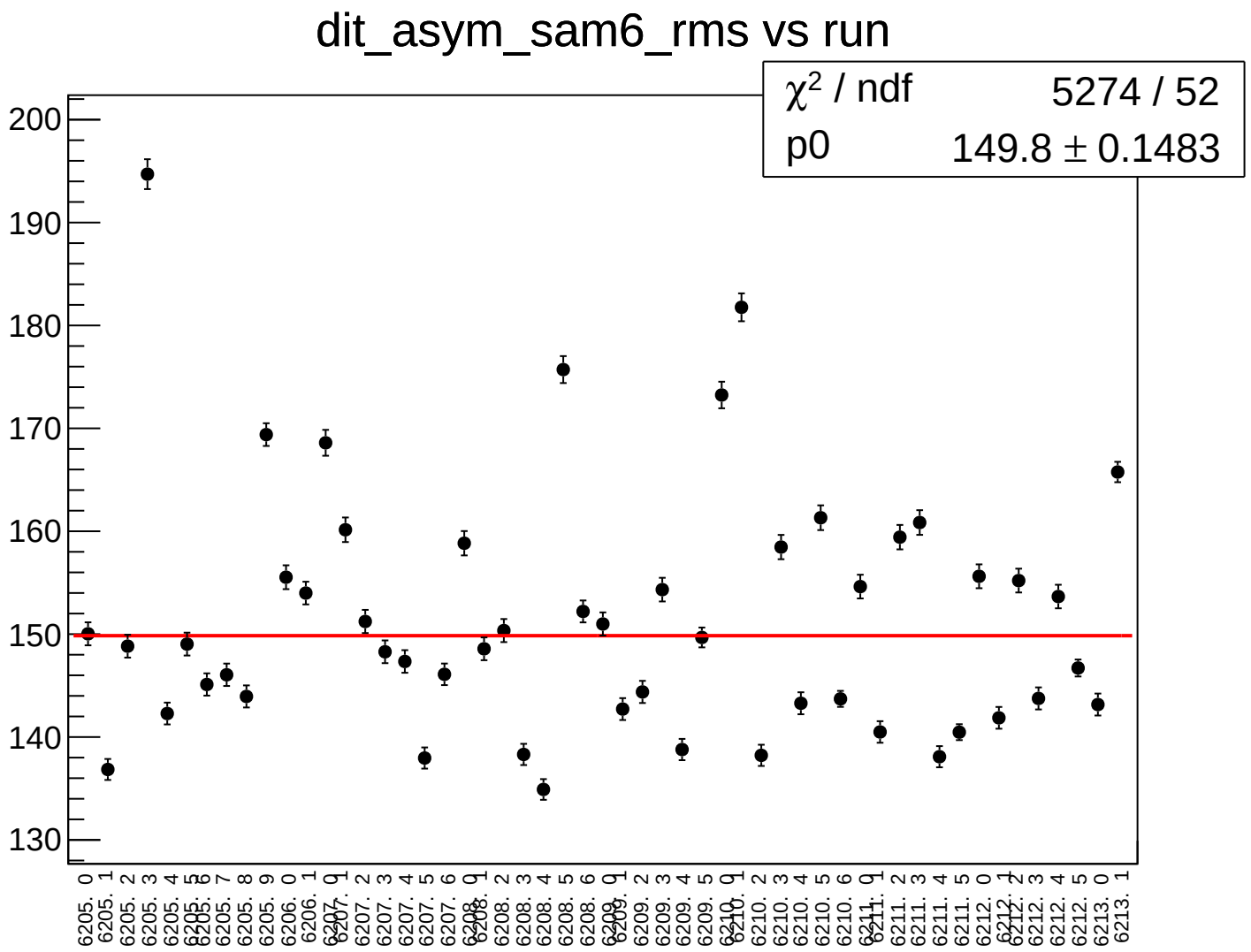

asym_sam5_mean vs run
χ² / ndf 51.16 / 52
p0 −3146 ± 2098
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −21.57
Std Dev 112.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

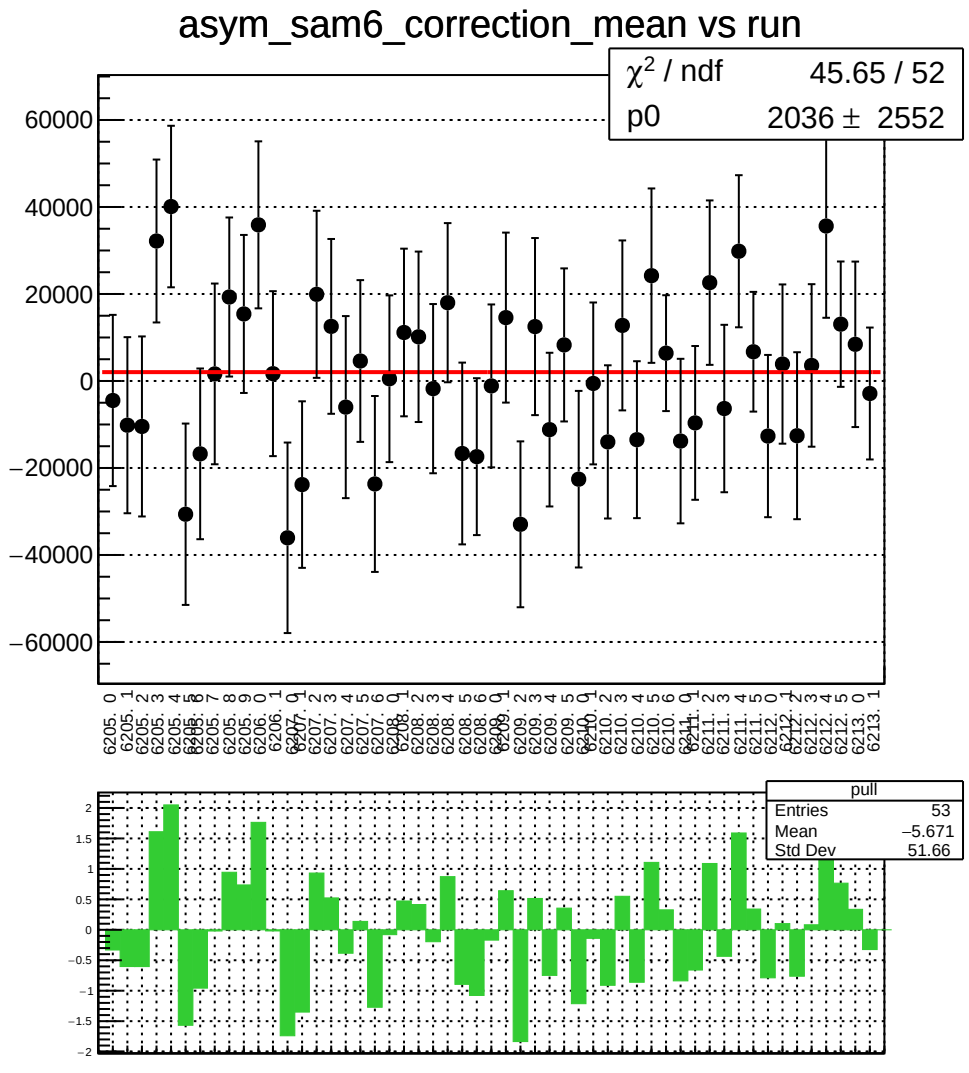

pull1D
Entries 53
Mean 0.002532
Std Dev 0.9825
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

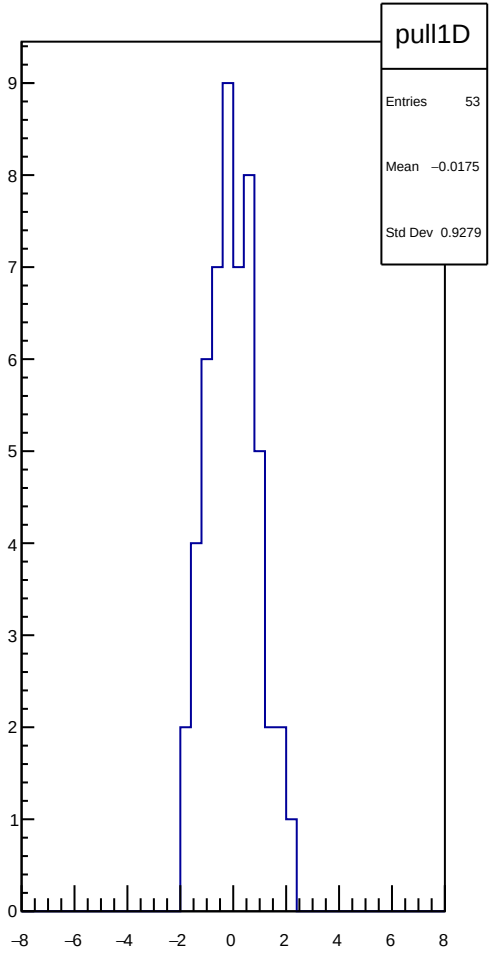

asym_sam5_rms vs run
χ² / ndf 2294 / 52
p0 1501 ± 1.483
1750
1700
1650
1600
1550
1500
1450
1400
1350
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

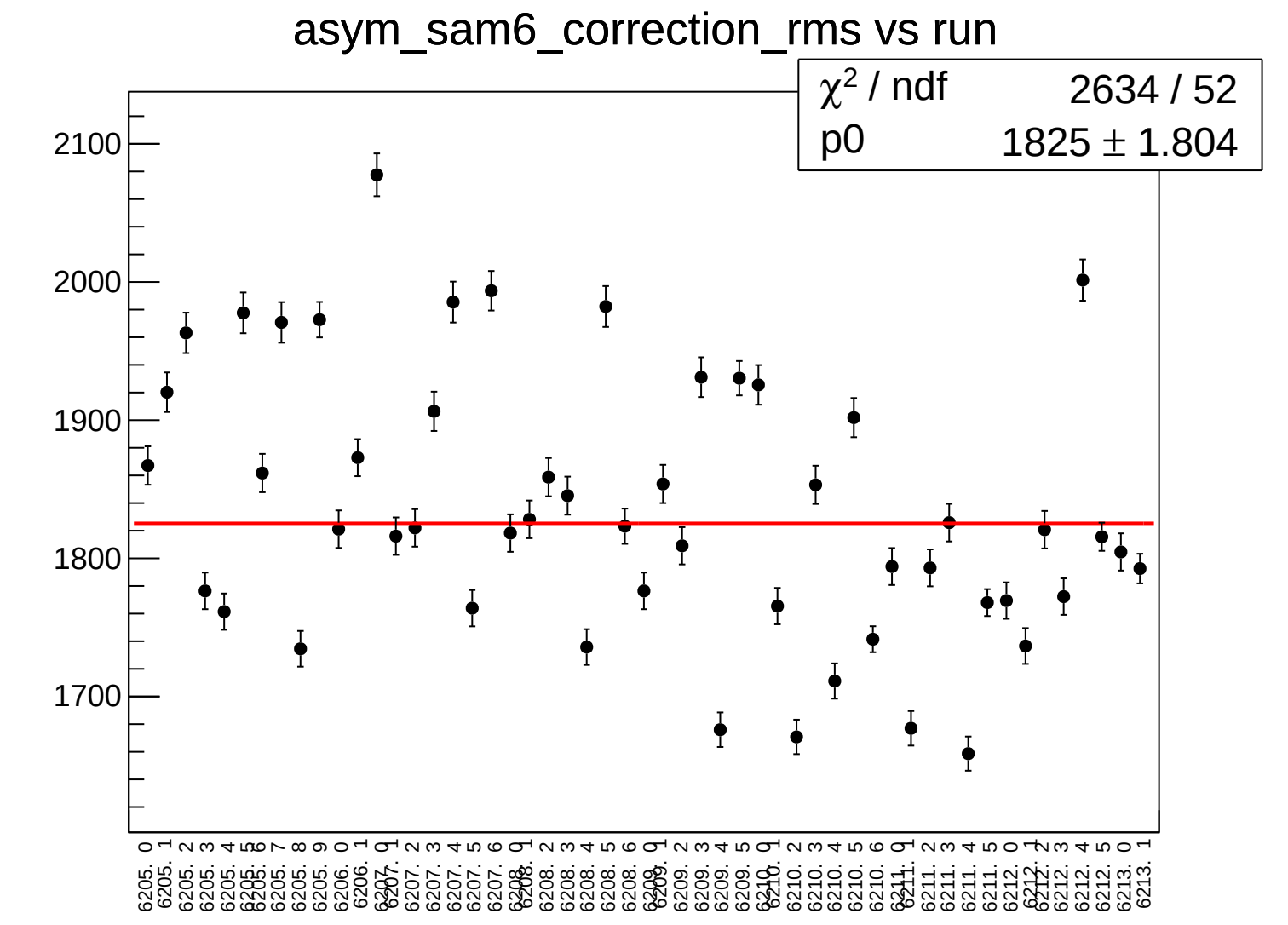

dit_asym_sam6_mean vs run
χ² / ndf 58.8 / 52
p0 100.3 ± 209.8
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 53
Mean 217.7
Std Dev 193.6
2
1
0
−1
−2

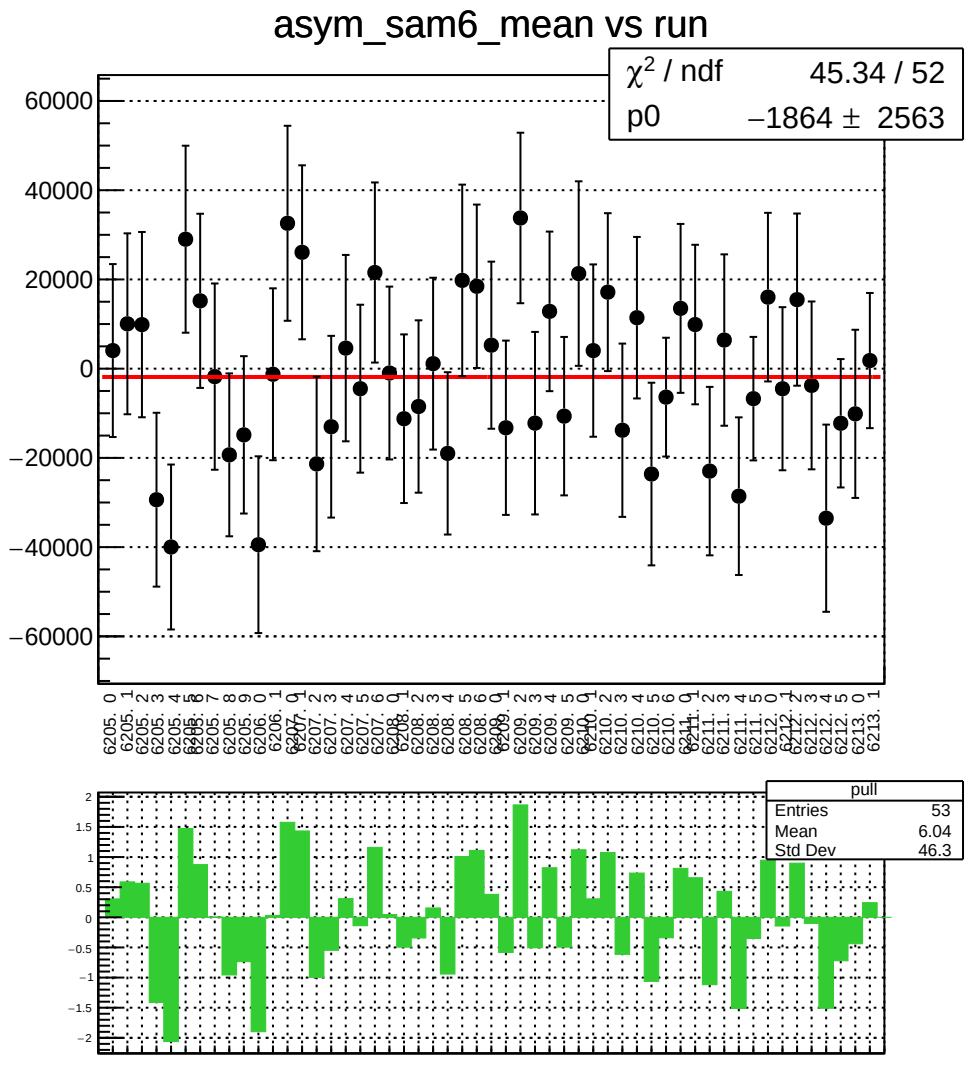

pull1D
Entries 53
Mean 0.0175
Std Dev 1.053
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

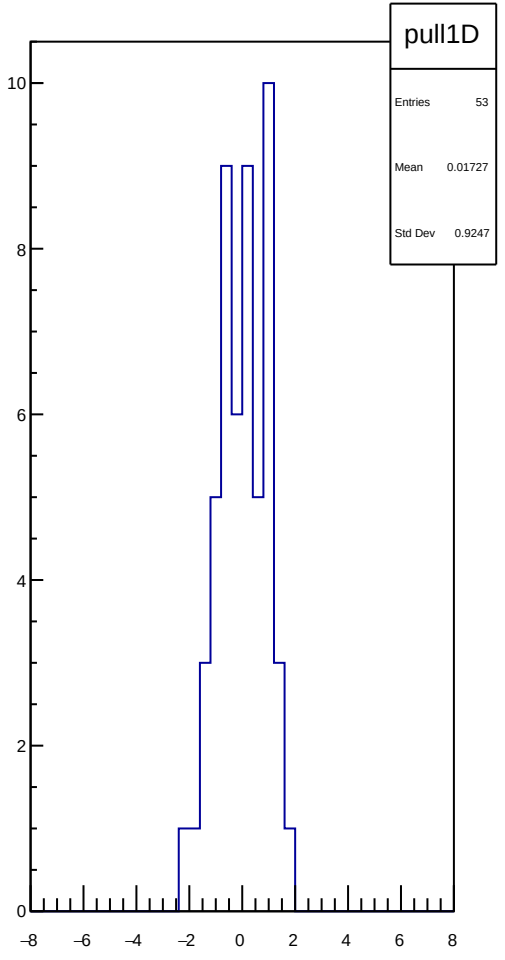

dit_asym_sam6_rms vs run
χ² / ndf 5274 / 52
p0 149.8 ± 0.1483
200
190
180
170
160
150
140
130
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

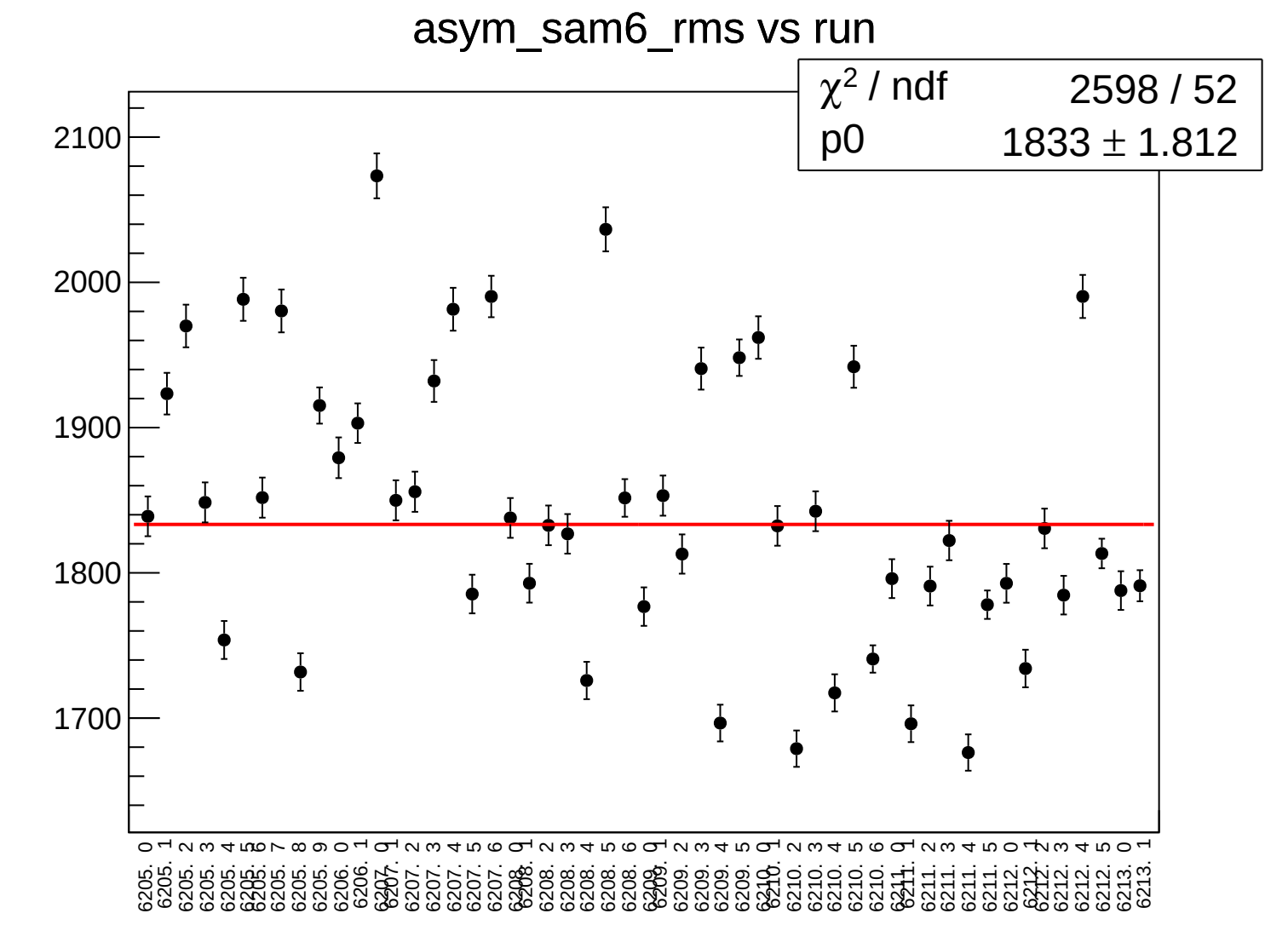

asym_sam6_correction_mean vs run
χ² / ndf 45.65 / 52
p0 2036 ± 2552
pull
Entries 53
Mean −5.671
Std Dev 51.66

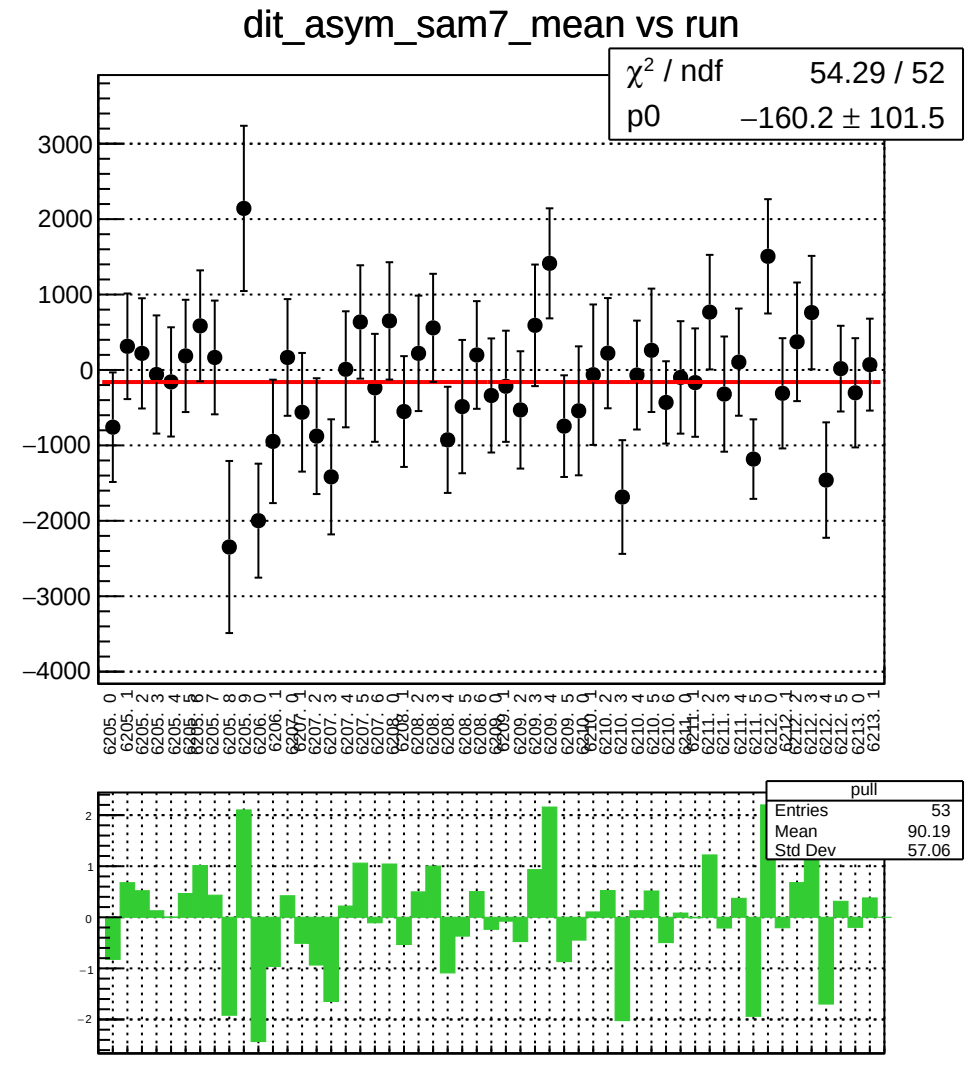

pull1D
Entries 53
Mean −0.0175
Std Dev 0.9279

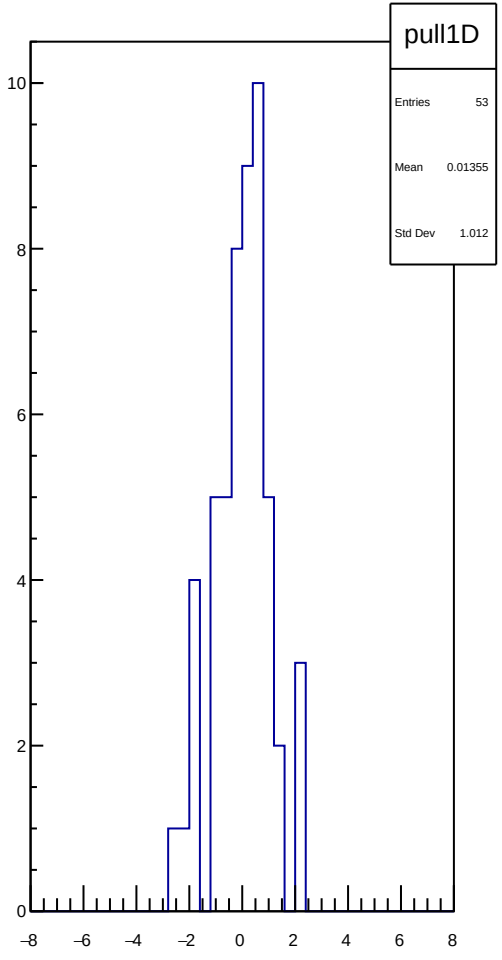

asym_sam6_correction_rms vs run
χ² / ndf 2634 / 52
p0 1825 ± 1.804
2100
2000
1900
1800
1700
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 9
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

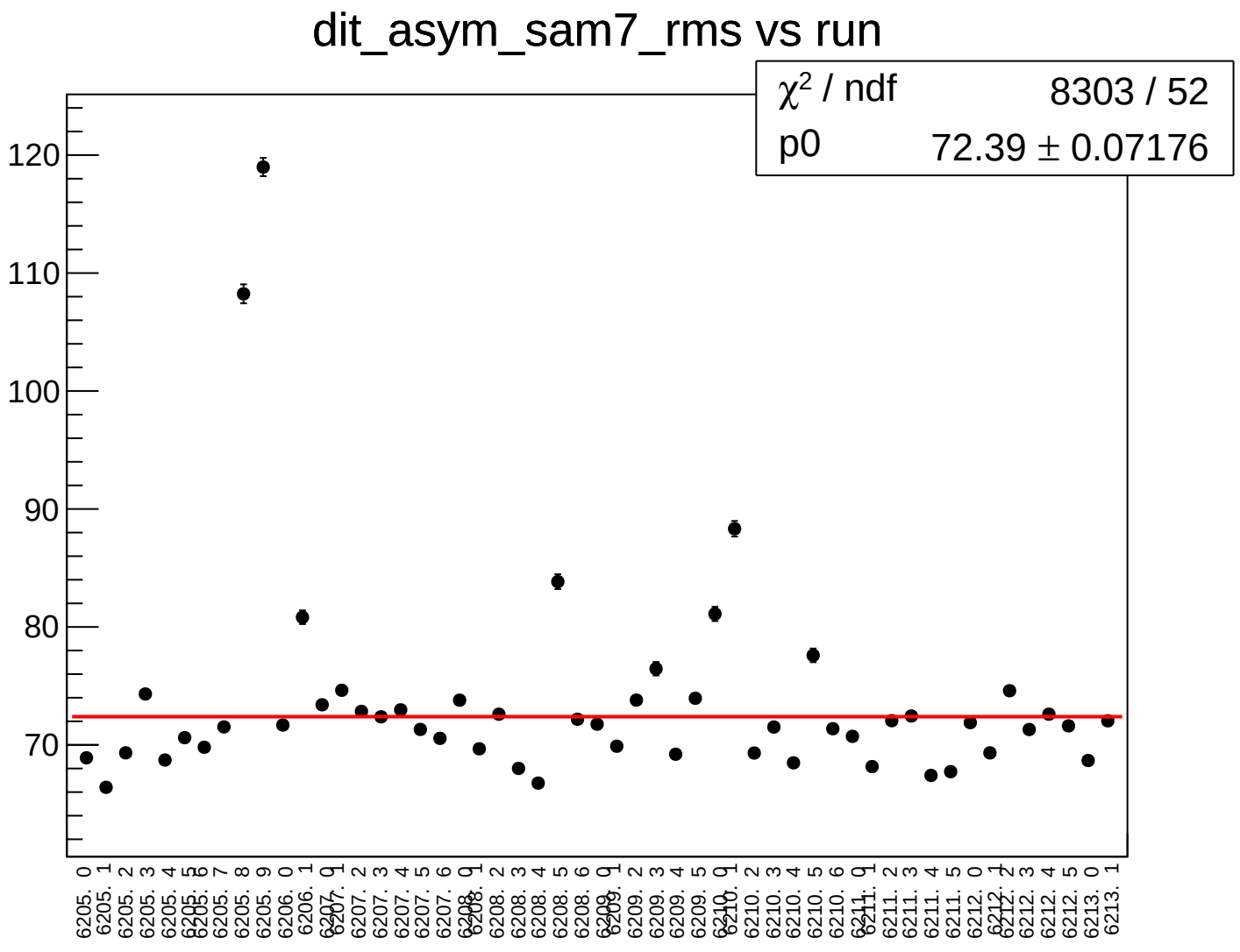

asym_sam6_mean vs run
χ² / ndf 45.34 / 52
p0 −1864 ± 2563
pull
Entries 53
Mean 6.04
Std Dev 46.3

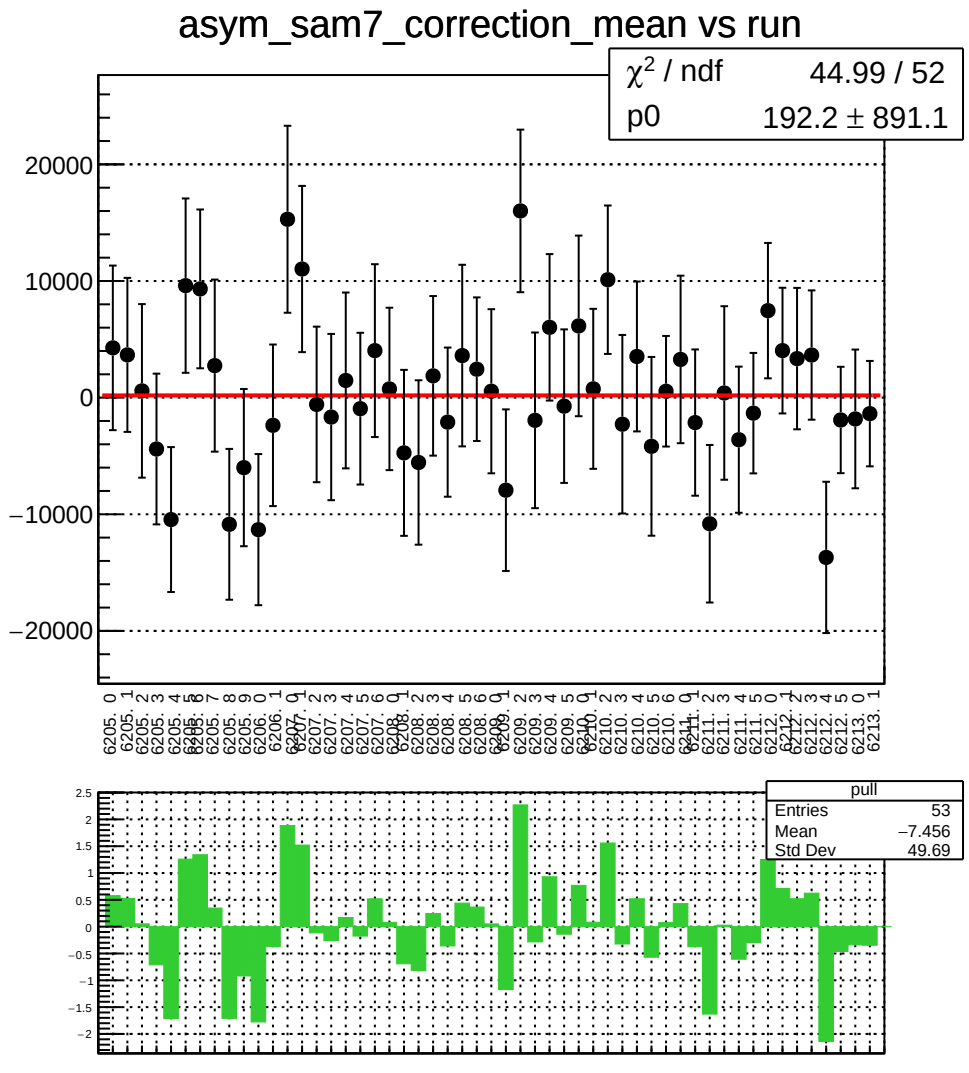

pull1D
Entries 53
Mean 0.01727
Std Dev 0.9247

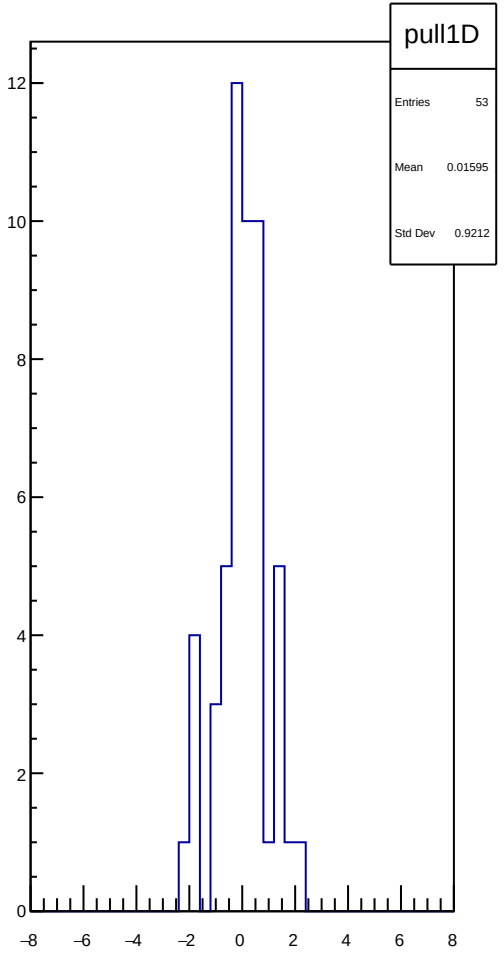

asym_sam6_rms vs run
χ² / ndf 2598 / 52
p0 1833 ± 1.812
2100
2000
1900
1800
1700
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

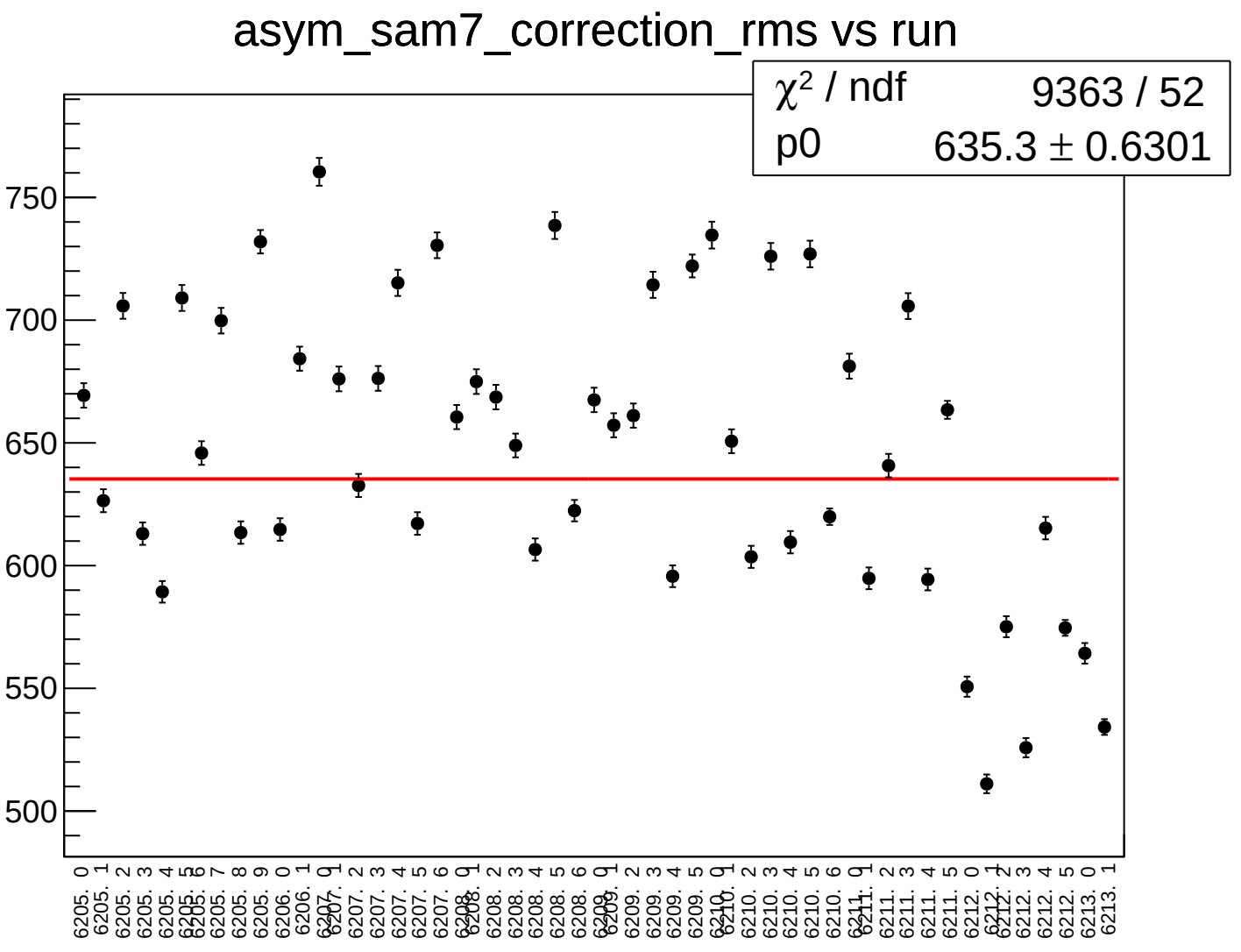

dit_asym_sam7_mean vs run
χ² / ndf 54.29 / 52
p0 −160.2 ± 101.5
pull
Entries 53
Mean 90.19
Std Dev 57.06

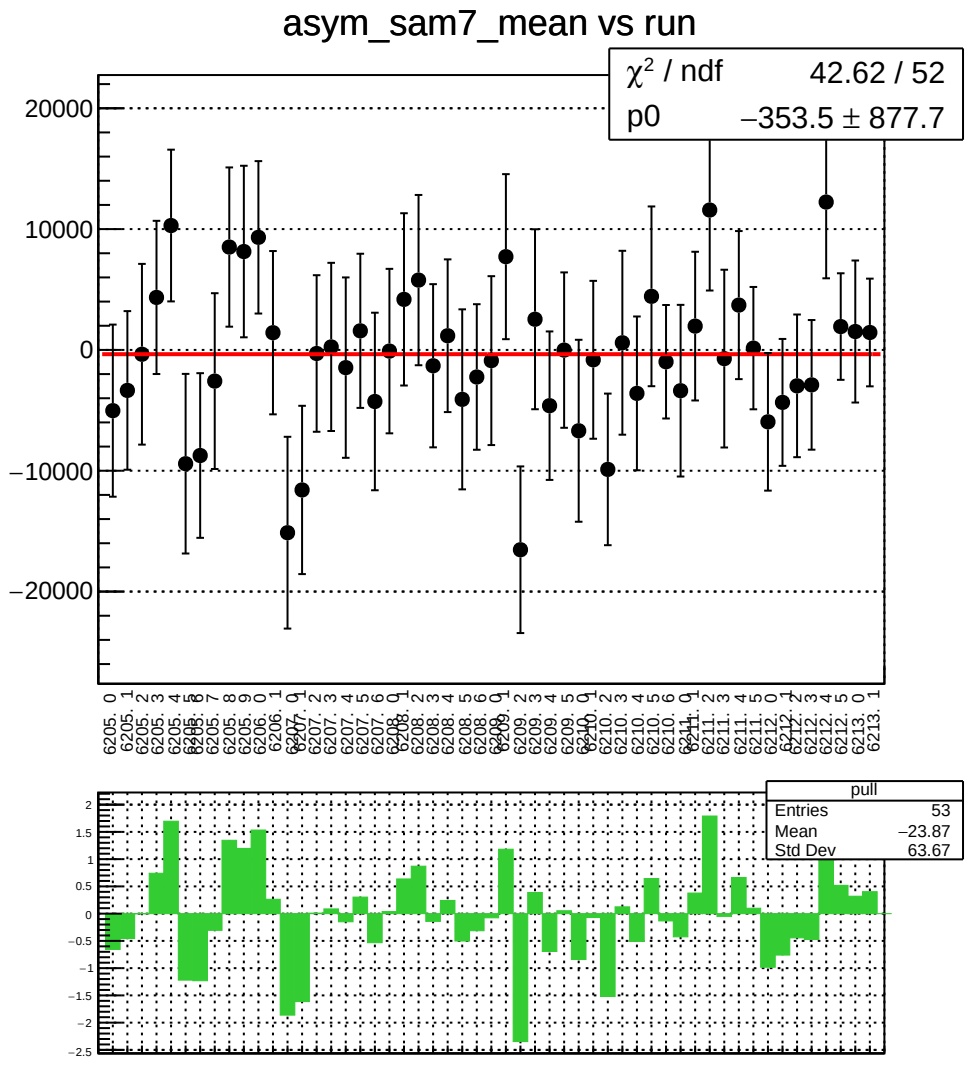

pull1D
Entries 53
Mean 0.01355
Std Dev 1.012

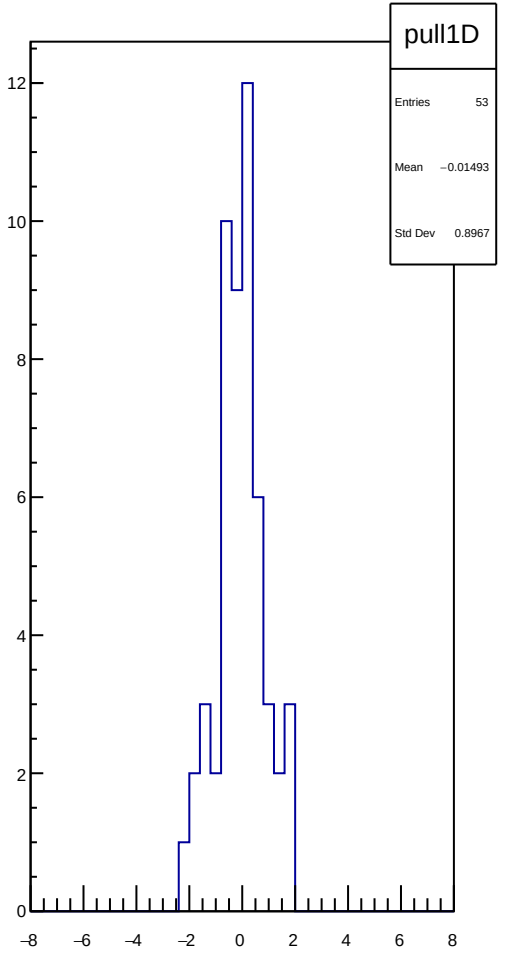

dit_asym_sam7_rms vs run
χ² / ndf 8303 / 52
p0 72.39 ± 0.07176
120
110
100
90
80
70
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

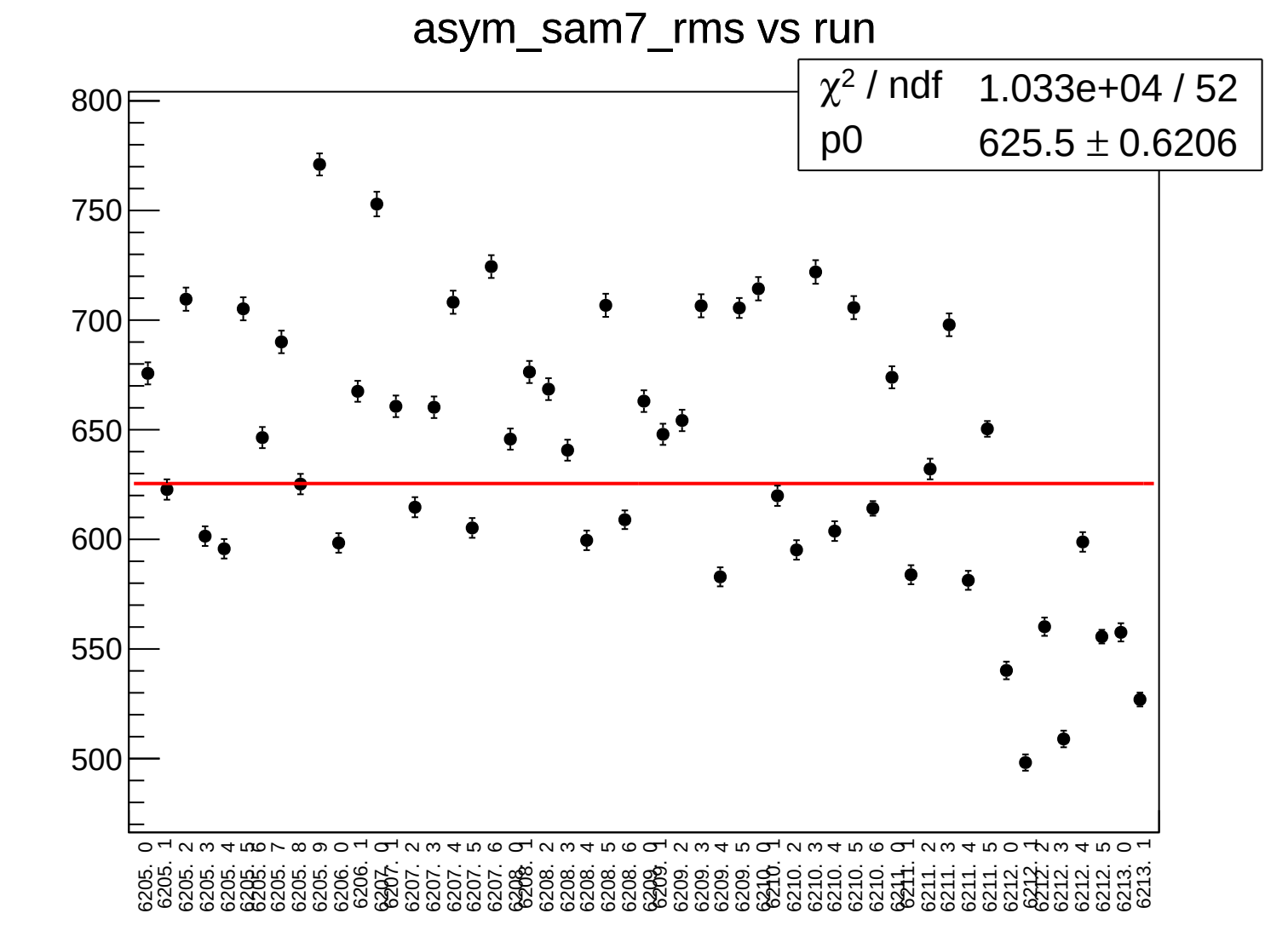

asym_sam7_correction_mean vs run
χ² / ndf 44.99 / 52
p0 192.2 ± 891.1
20000
10000
0
−10000
−20000
pull
Entries 53
Mean −7.456
Std Dev 49.69
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

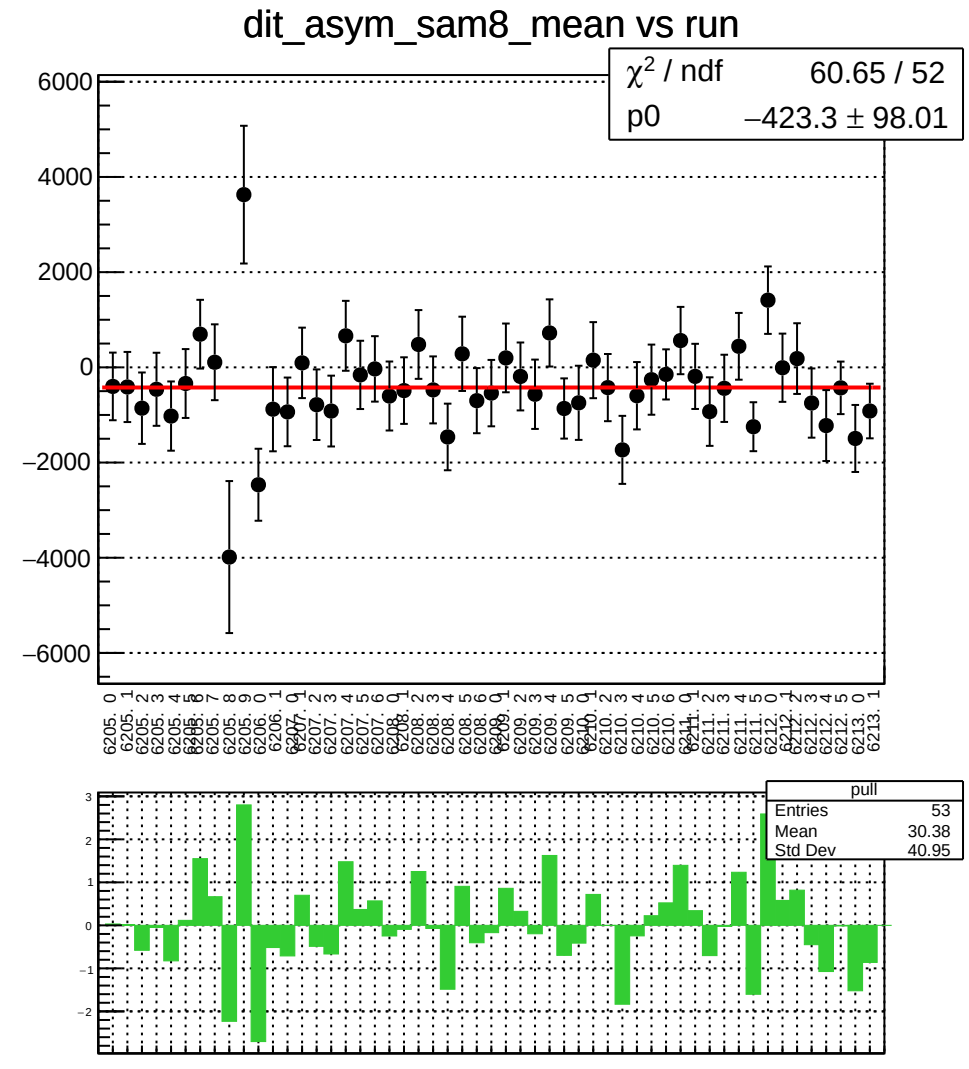

pull1D
Entries 53
Mean 0.01595
Std Dev 0.9212
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

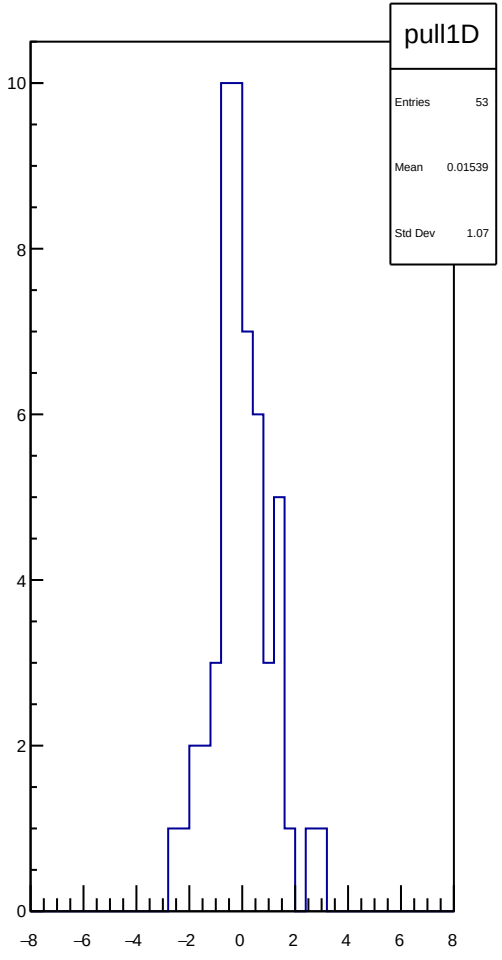

asym_sam7_correction_rms vs run
χ² / ndf 9363 / 52
p0 635.3 ± 0.6301
750
700
650
600
550
500
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

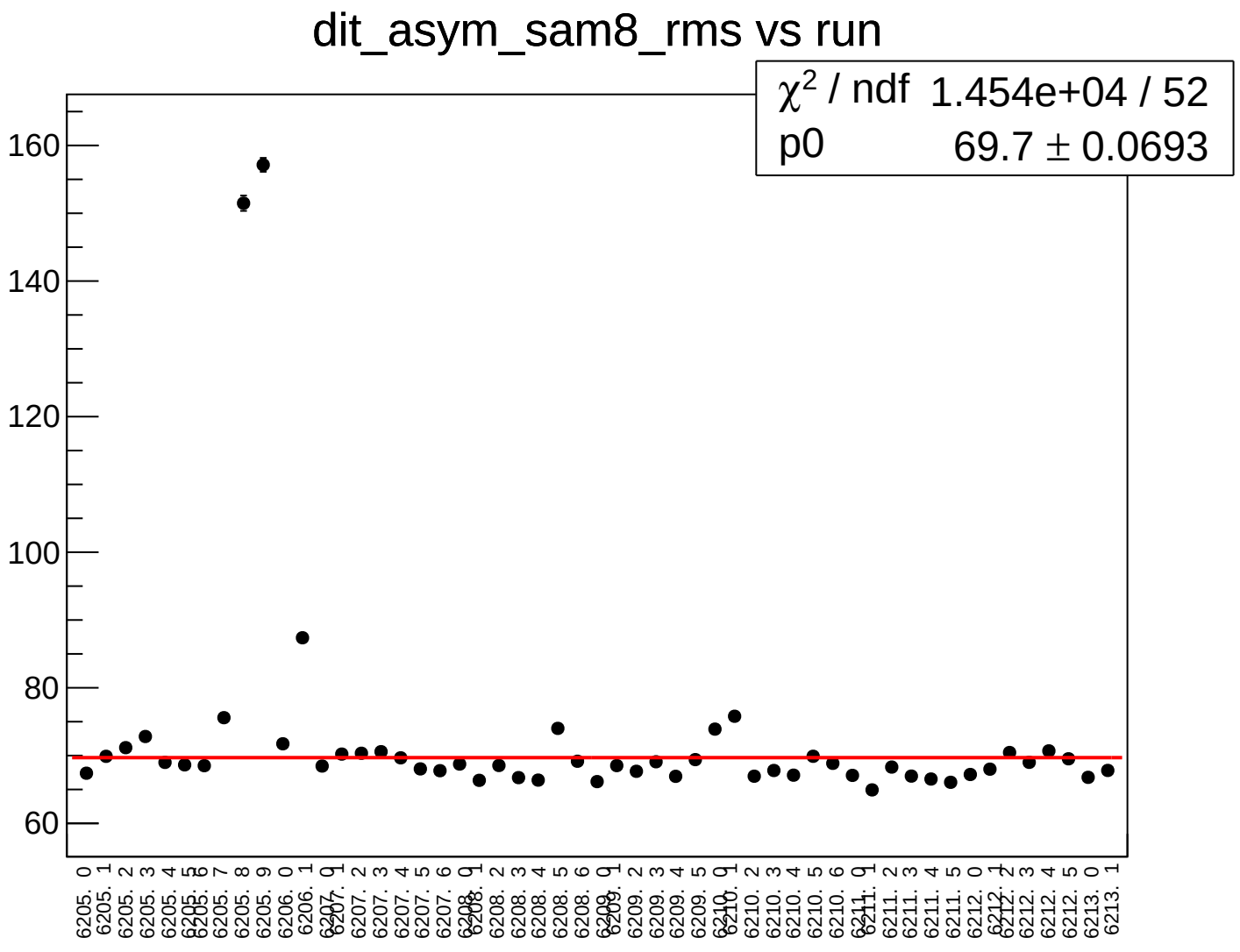

asym_sam7_mean vs run
χ² / ndf 42.62 / 52
p0 −353.5 ± 877.7
20000
10000
0
−10000
−20000
pull
Entries 53
Mean −23.87
Std Dev 63.67
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

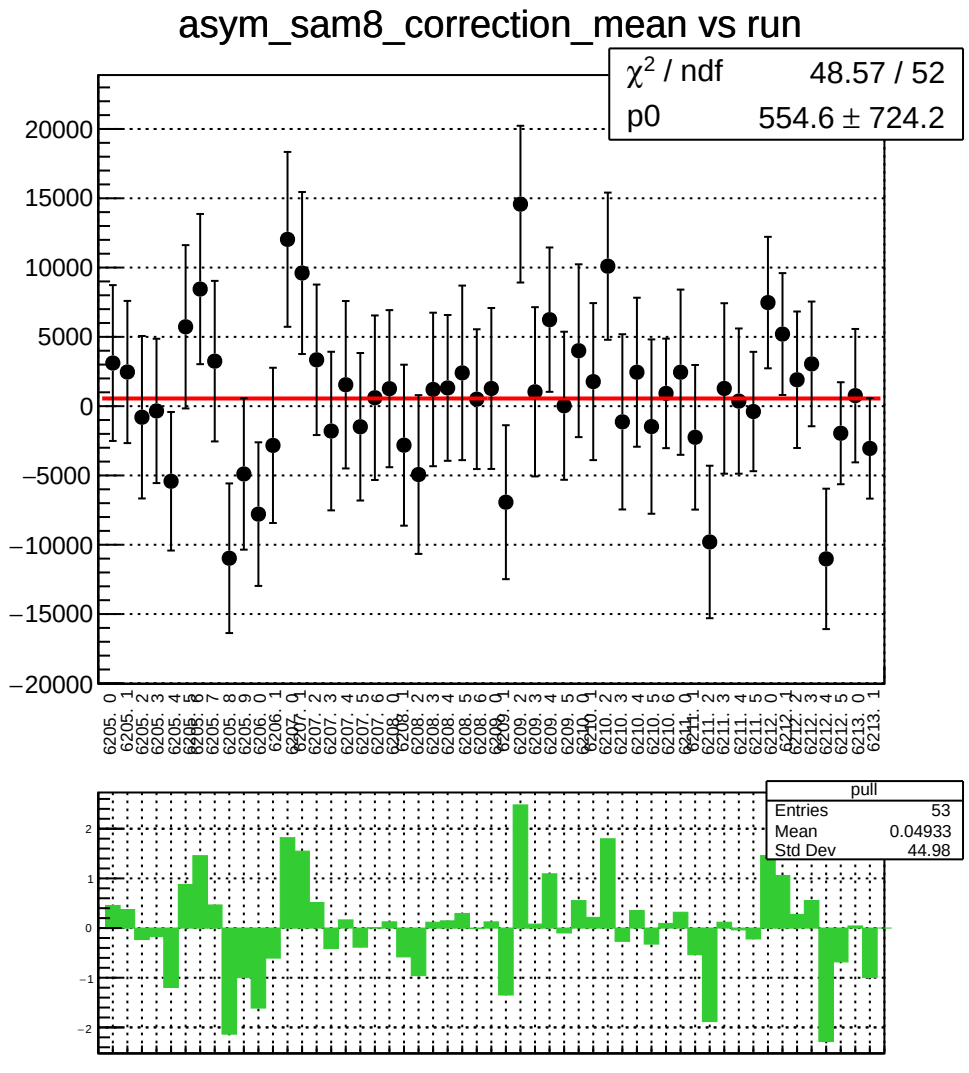

pull1D
Entries 53
Mean −0.01493
Std Dev 0.8967
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

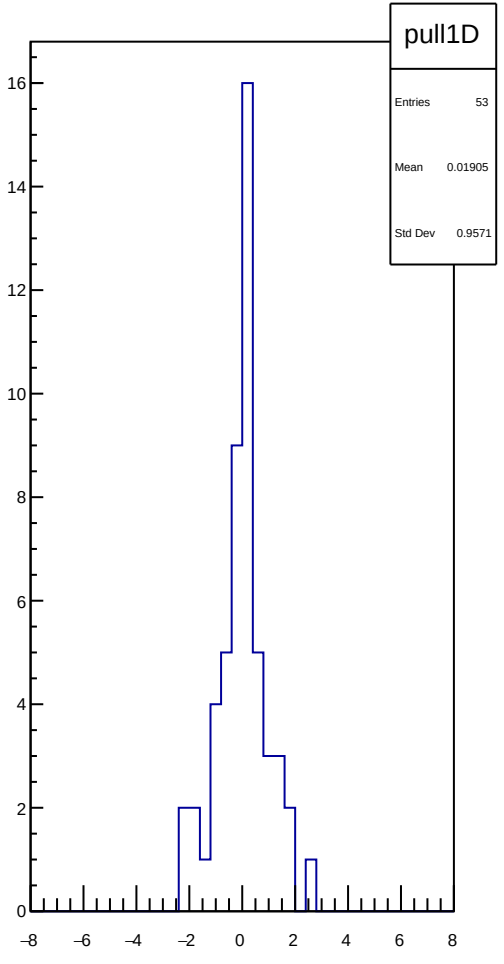

asym_sam7_rms vs run
χ² / ndf 1.033e+04 / 52
p0 625.5 ± 0.6206
800
750
700
650
600
550
500
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6206. 2
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 7
6208. 8
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

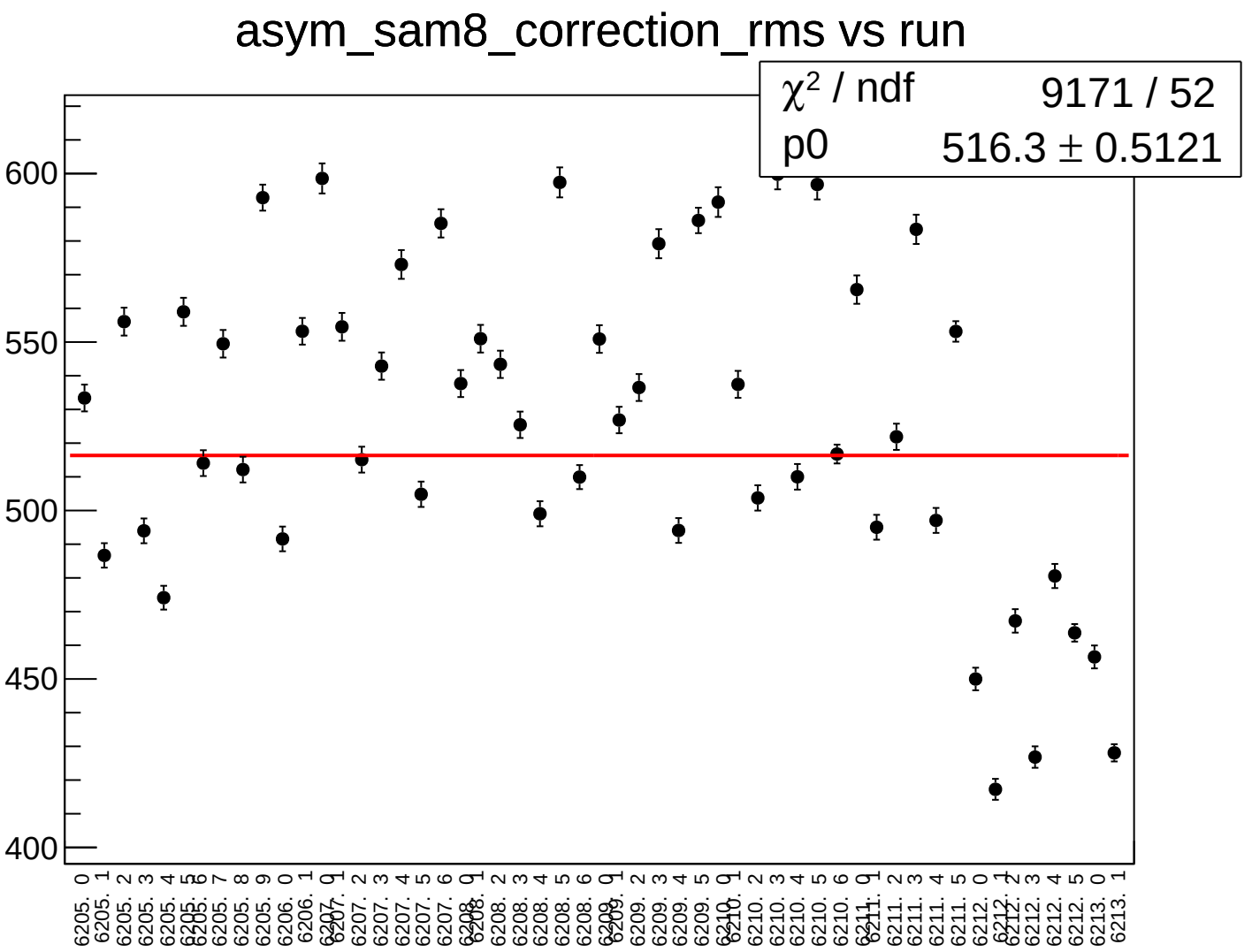

dit_asym_sam8_mean vs run
χ² / ndf 60.65 / 52
p0 −423.3 ± 98.01
pull
Entries 53
Mean 30.38
Std Dev 40.95

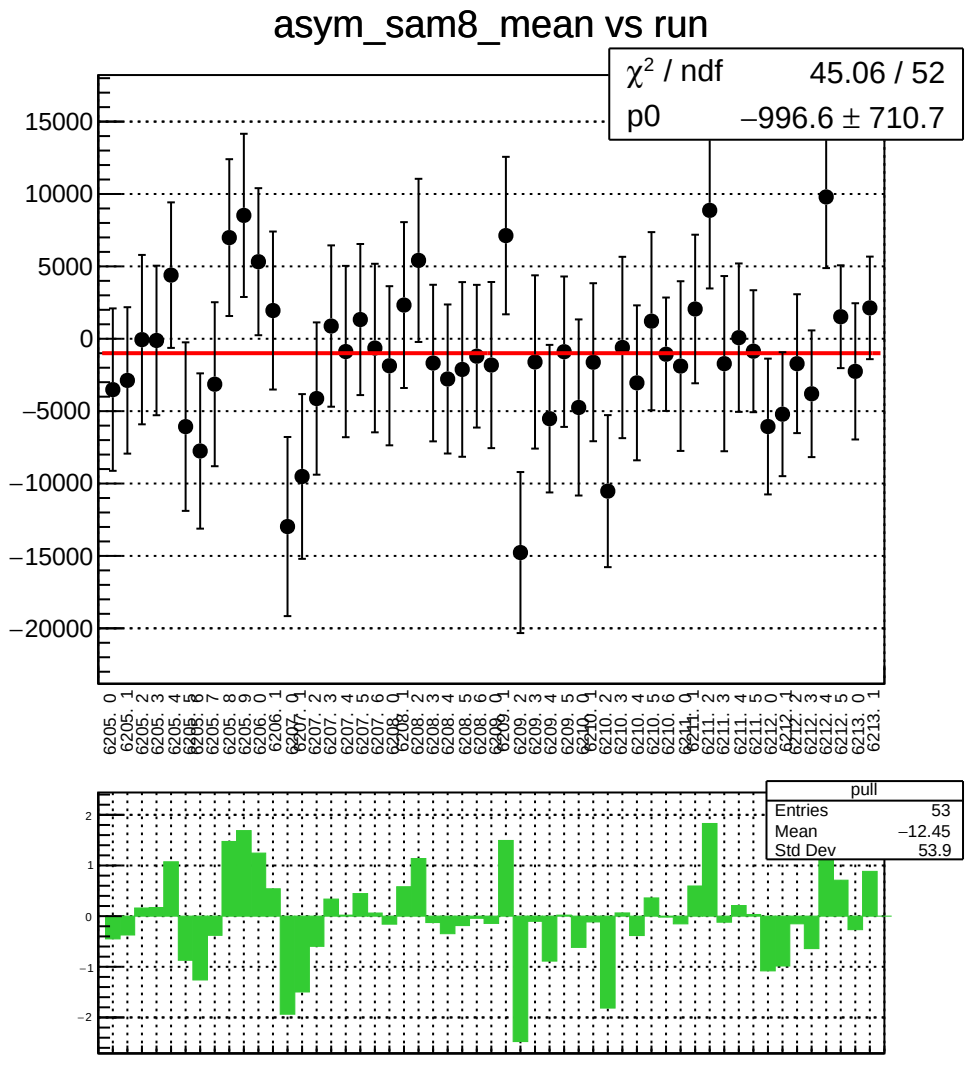

pull1D
Entries 53
Mean 0.01539
Std Dev 1.07

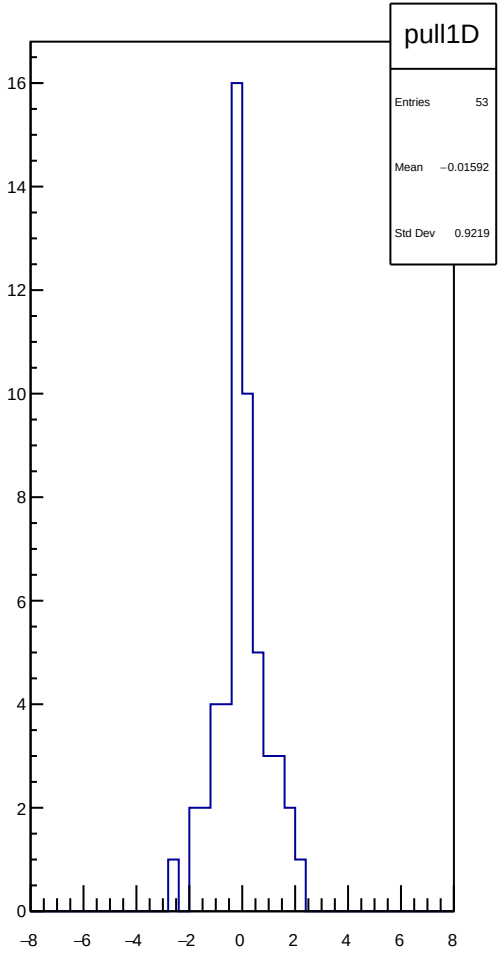

dit_asym_sam8_rms vs run
χ² / ndf 1.454e+04 / 52
p0 69.7 ± 0.0693
160
140
120
100
80
60
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

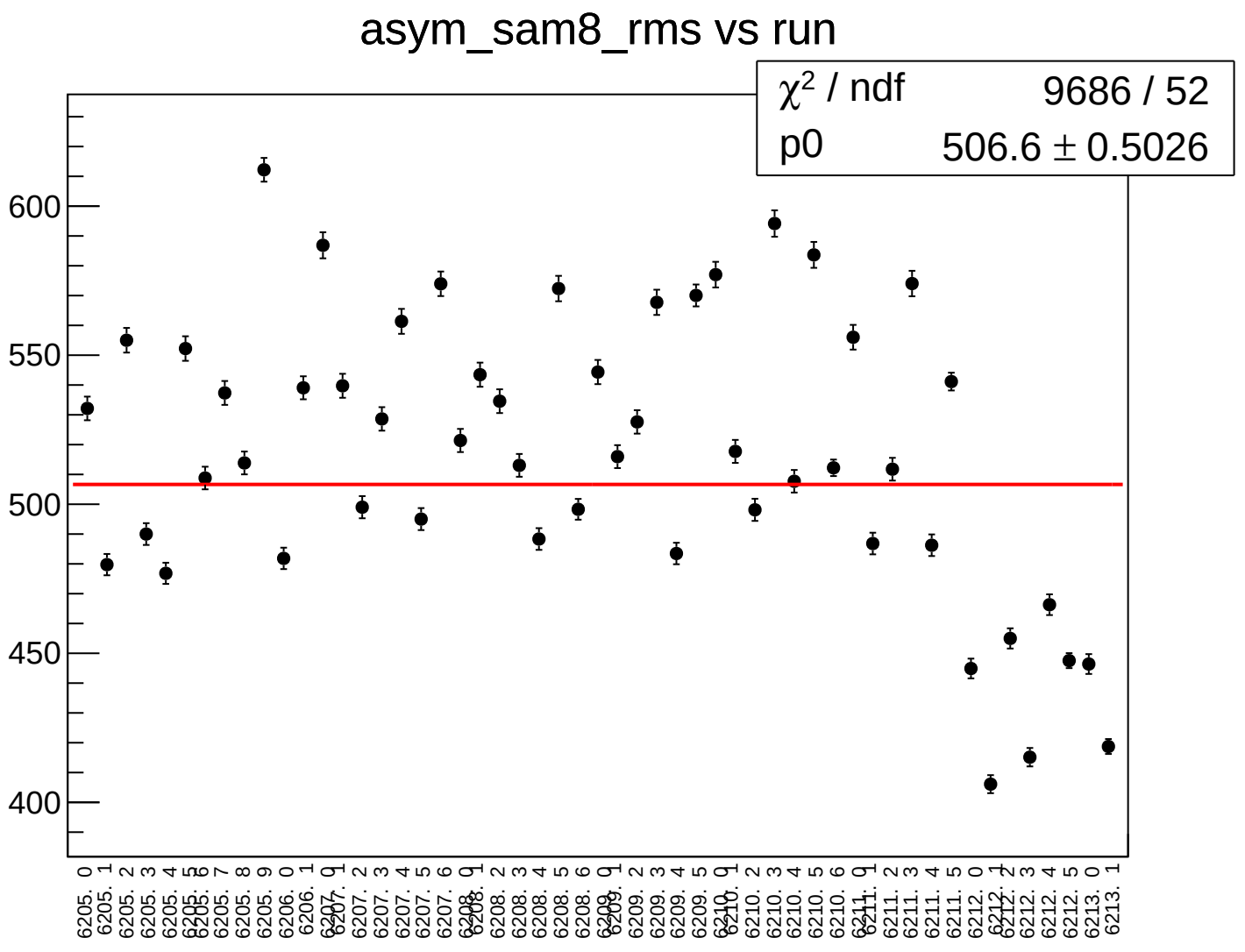

asym_sam8_correction_mean vs run
χ² / ndf 48.57 / 52
p0 554.6 ± 724.2
pull
Entries 53
Mean 0.04933
Std Dev 44.98

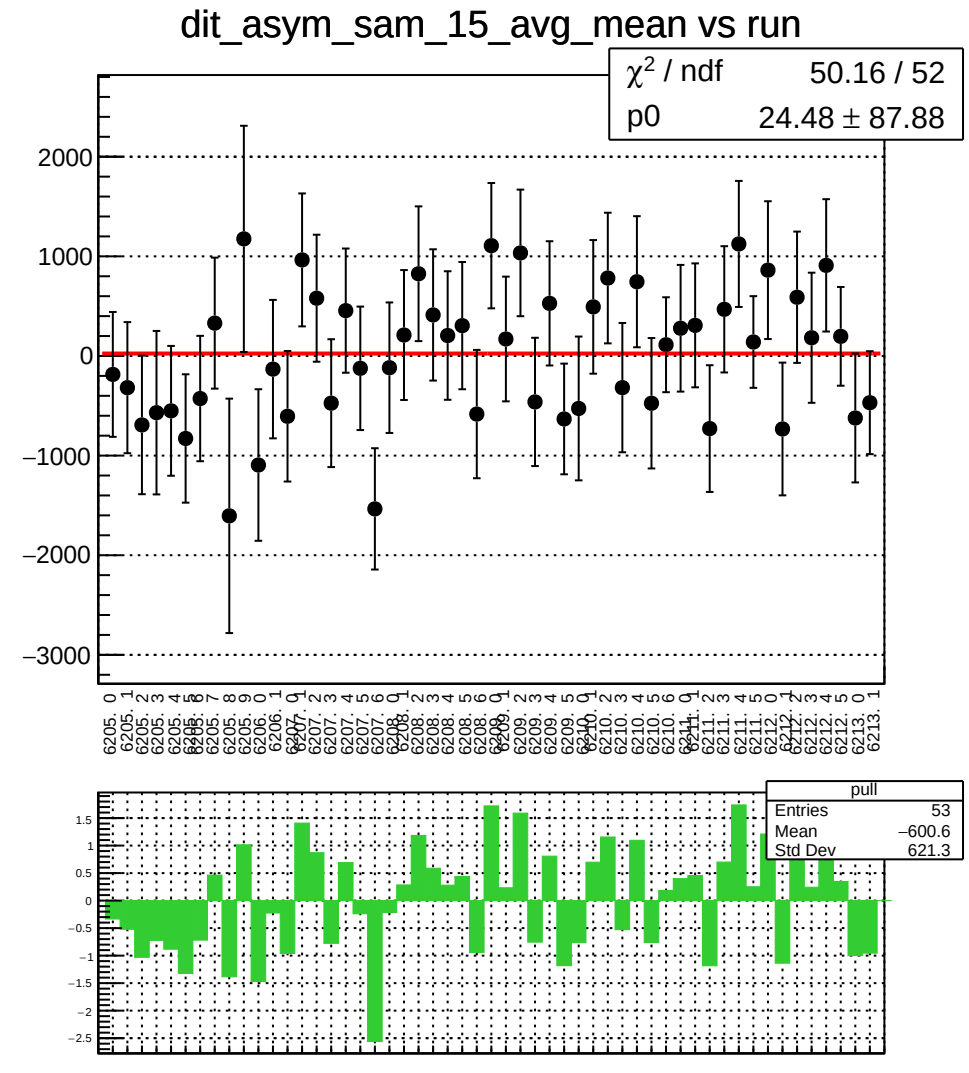

pull1D
Entries 53
Mean 0.01905
Std Dev 0.9571

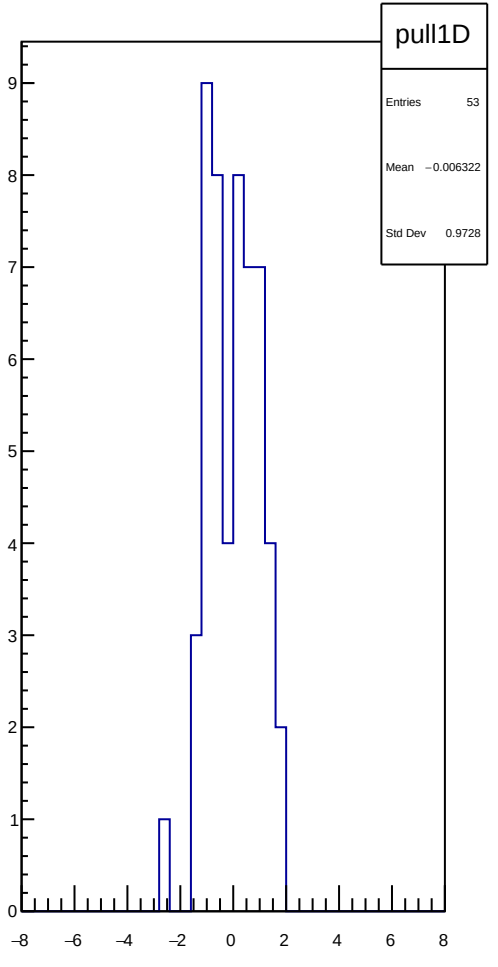

asym_sam8_correction_rms vs run
χ² / ndf 9171 / 52
p0 516.3 ± 0.5121
600
550
500
450
400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6206. 2
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 7
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

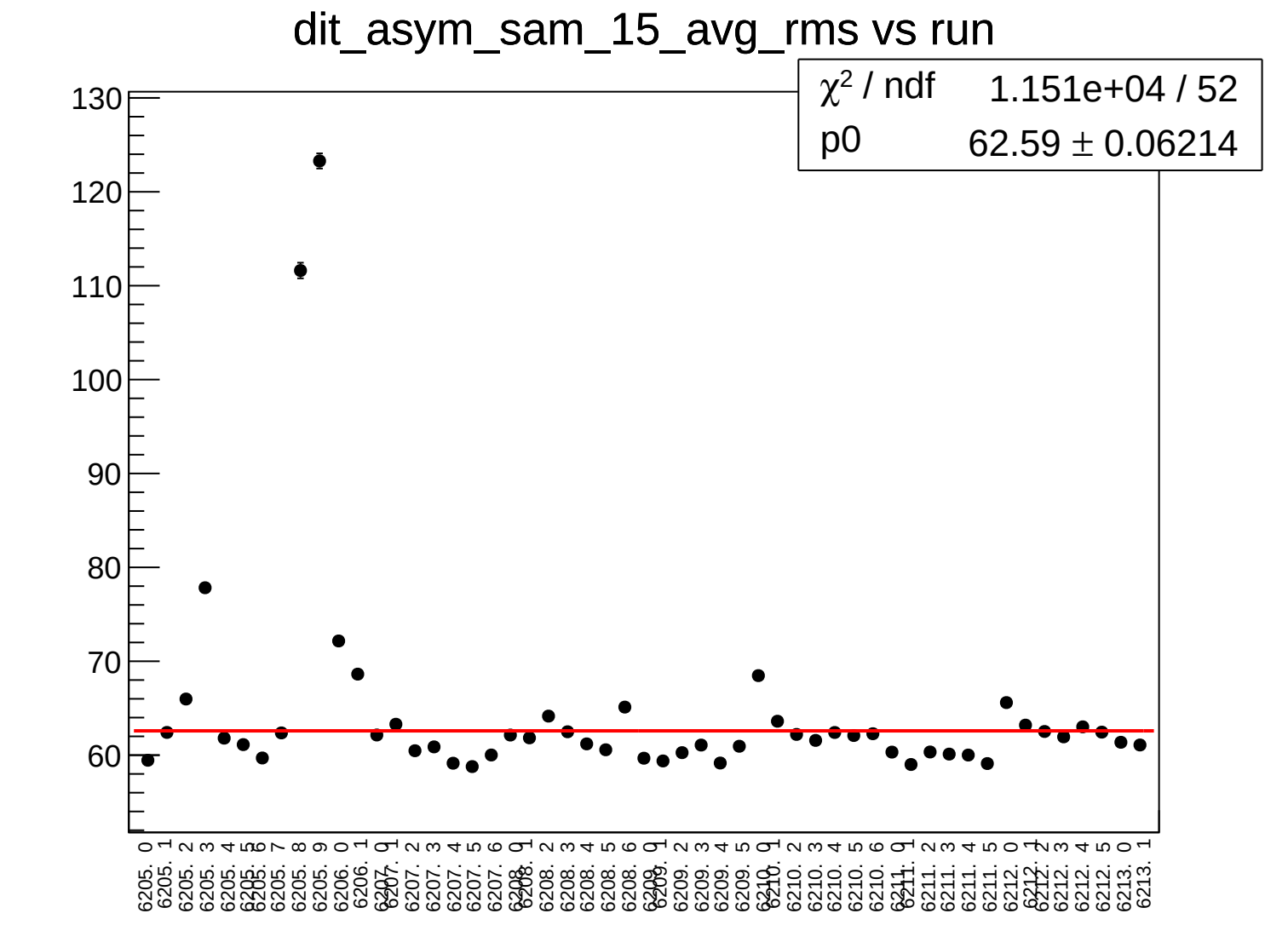

asym_sam8_mean vs run
χ² / ndf 45.06 / 52
p0 −996.6 ± 710.7
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 53
Mean −12.45
Std Dev 53.9
2
1
0
−1
−2

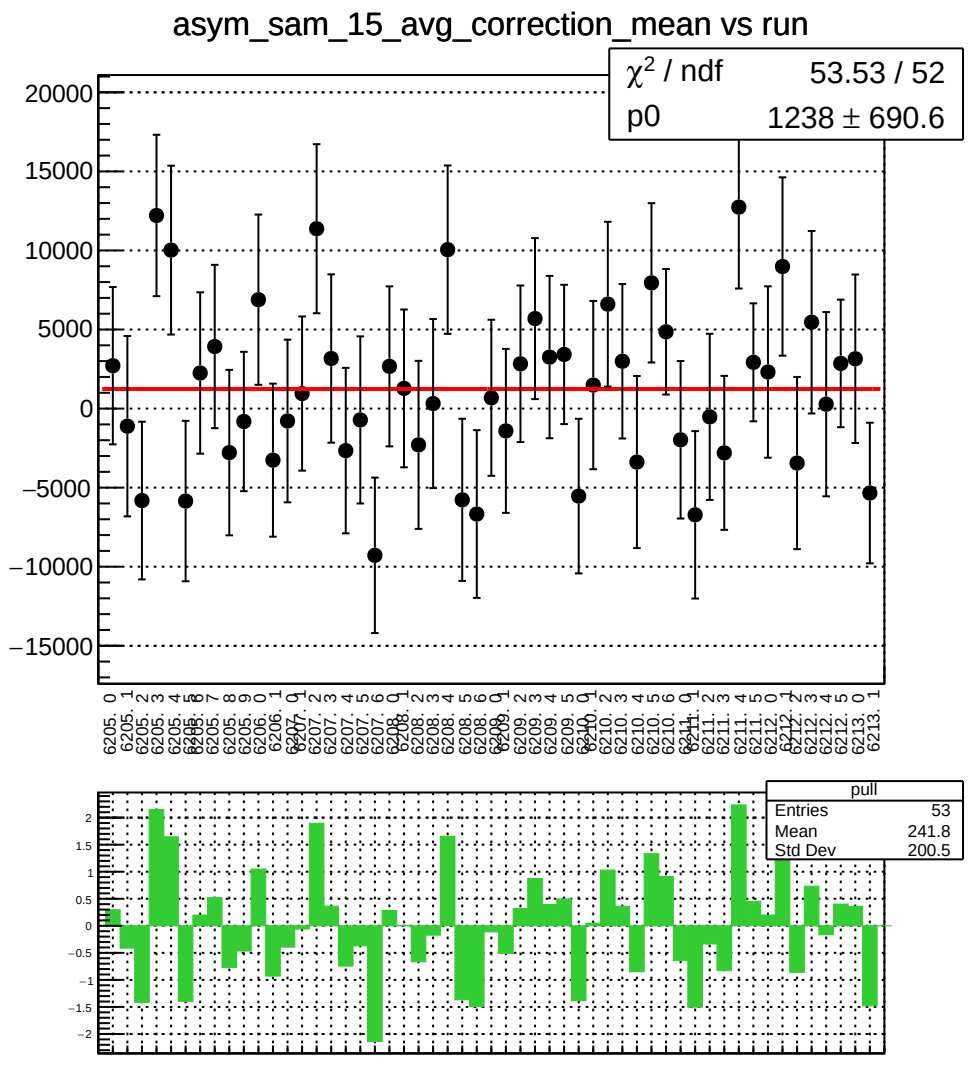

pull1D
Entries 53
Mean −0.01592
Std Dev 0.9219
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

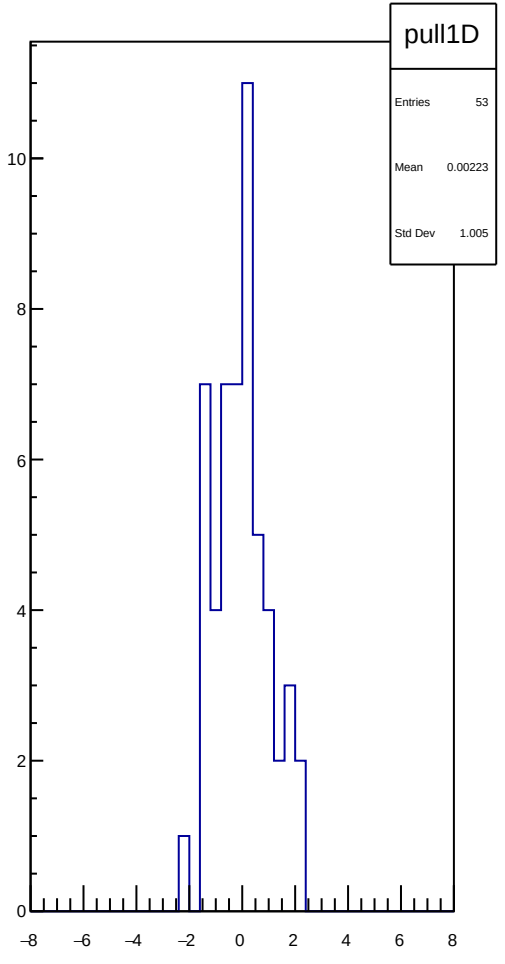

asym_sam8_rms vs run
χ² / ndf 9686 / 52
p0 506.6 ± 0.5026
600
550
500
450
400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

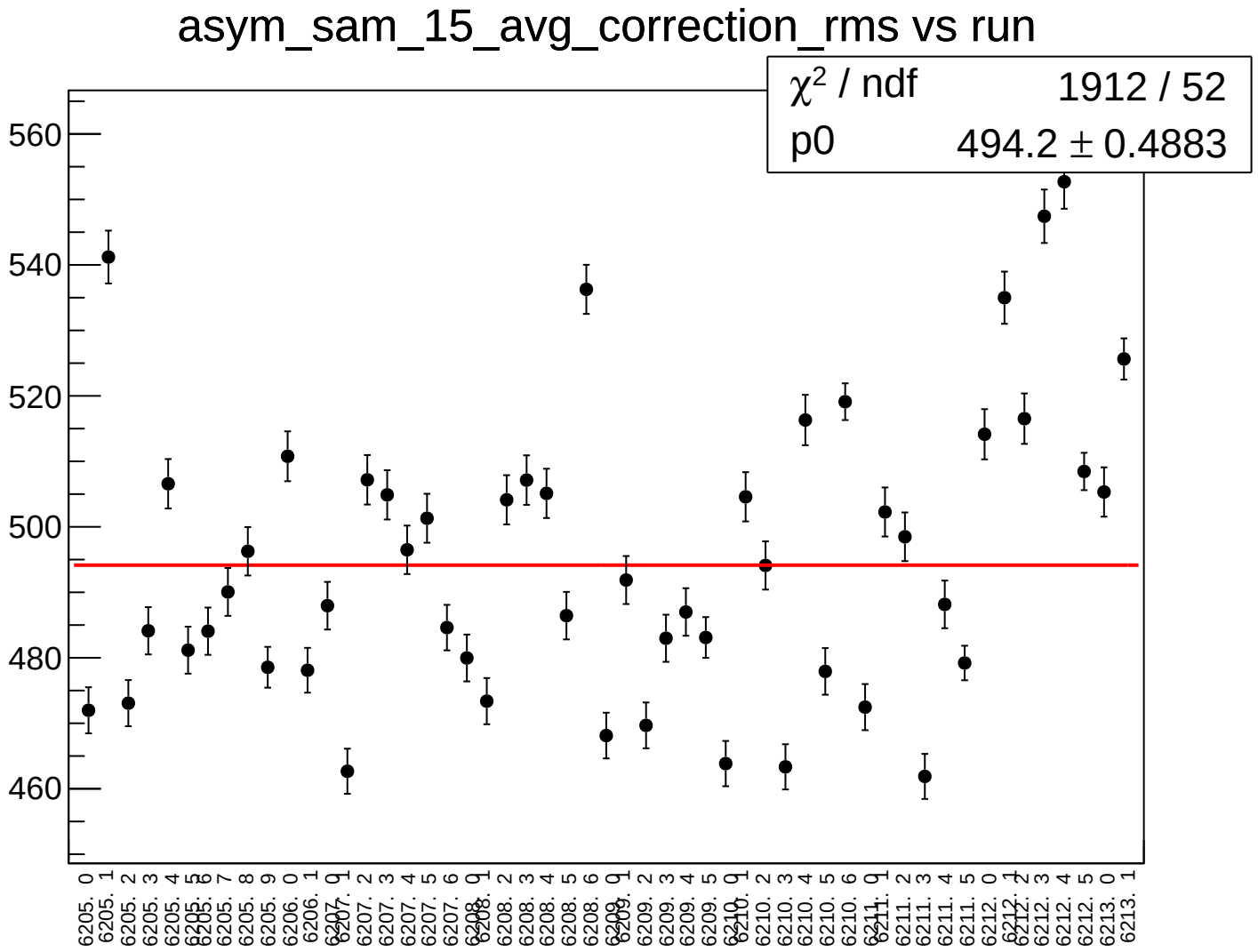

dit_asym_sam_15_avg_mean vs run
χ² / ndf 50.16 / 52
p0 24.48 ± 87.88
pull
Entries 53
Mean −600.6
Std Dev 621.3

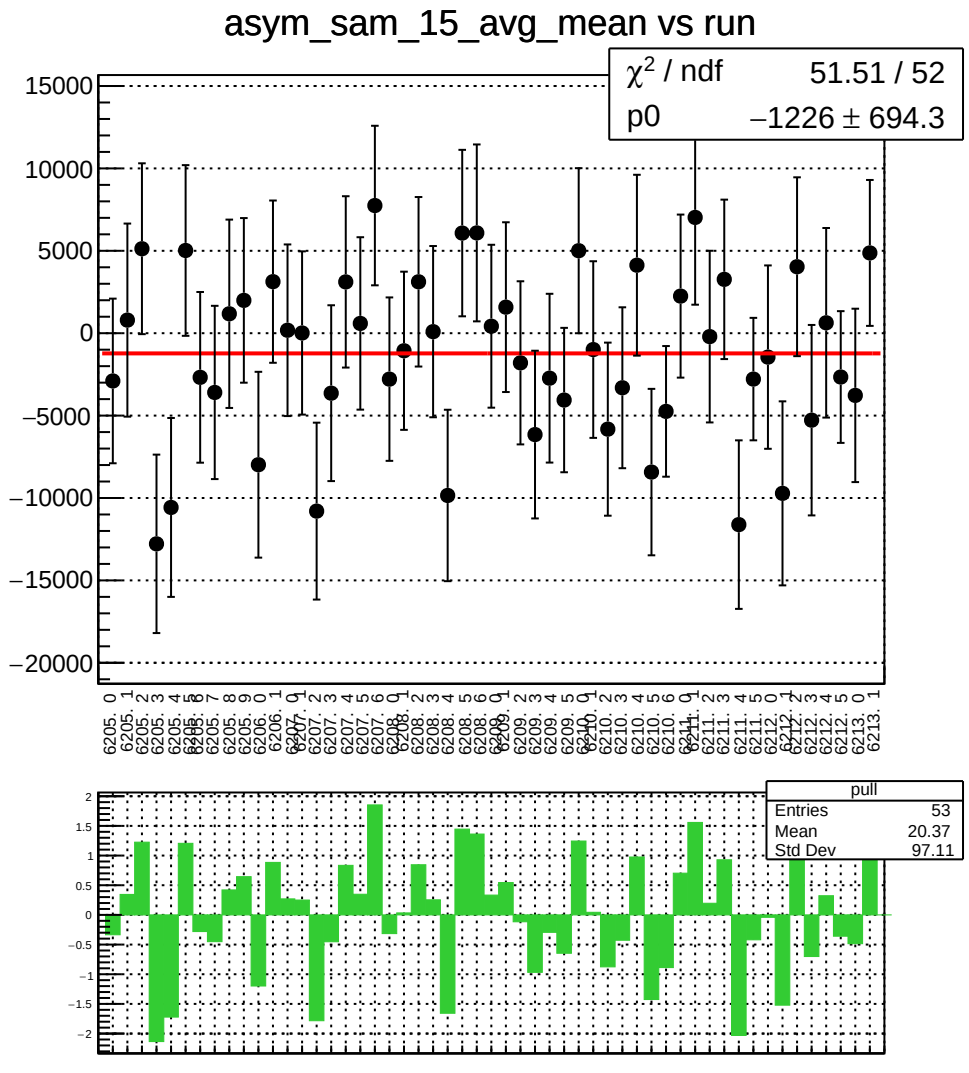

pull1D
Entries 53
Mean −0.006322
Std Dev 0.9728

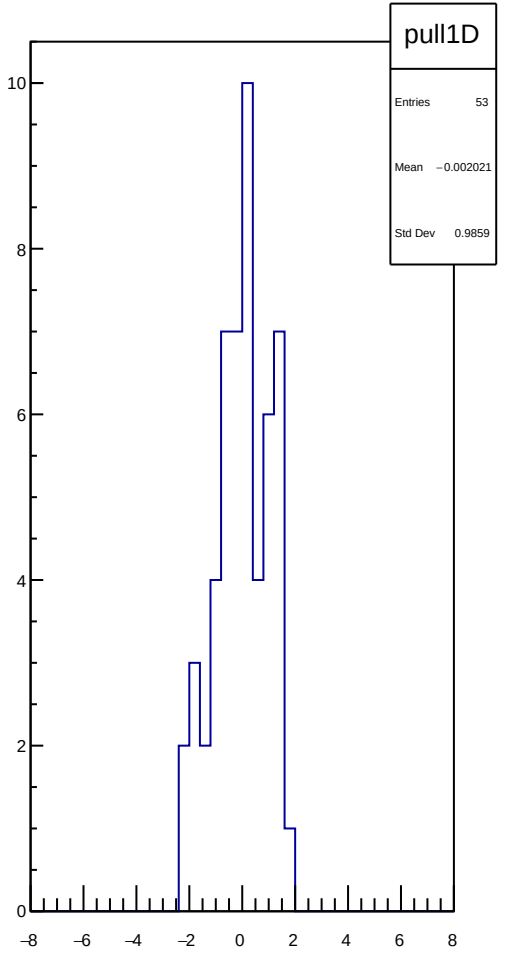

dit_asym_sam_15_avg_rms vs run
$\chi^2$ / ndf 1.151e+04 / 52
p0 62.59 ± 0.06214
130
120
110
100
90
80
70
60
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6206. 2
6206. 3
6206. 4
6206. 5
6206. 6
6206. 7
6206. 8
6206. 9
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6207. 7
6207. 8
6207. 9
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 7
6208. 8
6208. 9
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6209. 6
6209. 7
6209. 8
6209. 9
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6210. 7
6210. 8
6210. 9
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

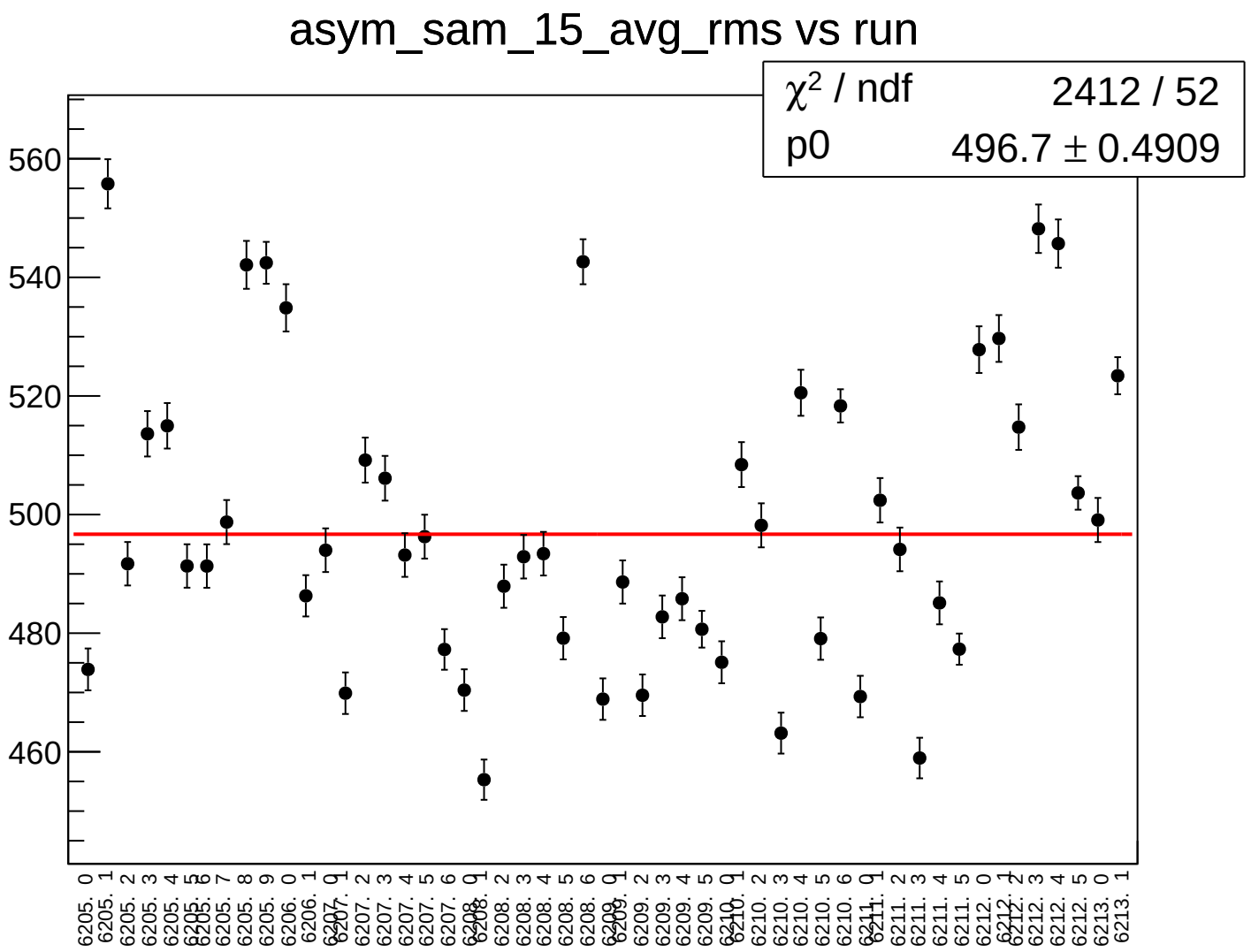

asym_sam_15_avg_correction_mean vs run
χ² / ndf 53.53 / 52
p0 1238 ± 690.6
pull
Entries 53
Mean 241.8
Std Dev 200.5

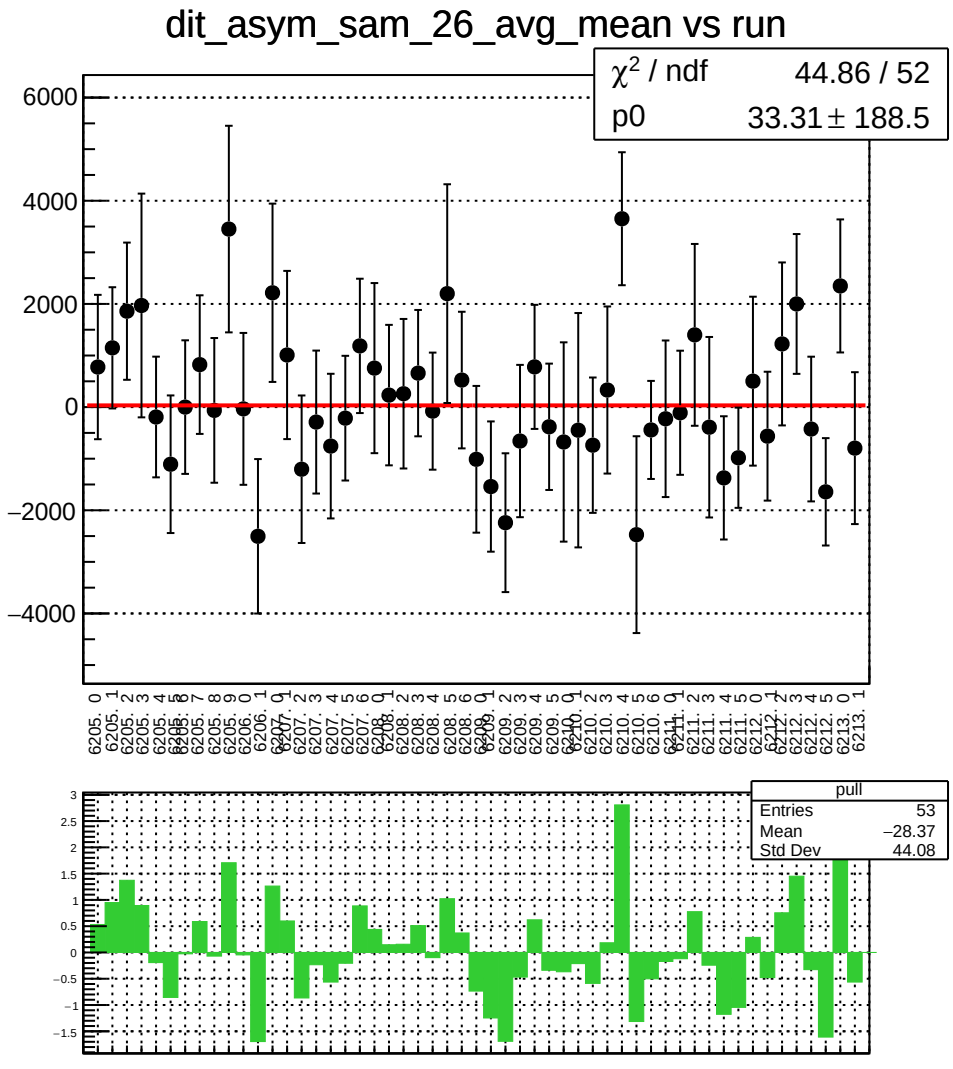

pull1D
Entries 53
Mean 0.00223
Std Dev 1.005

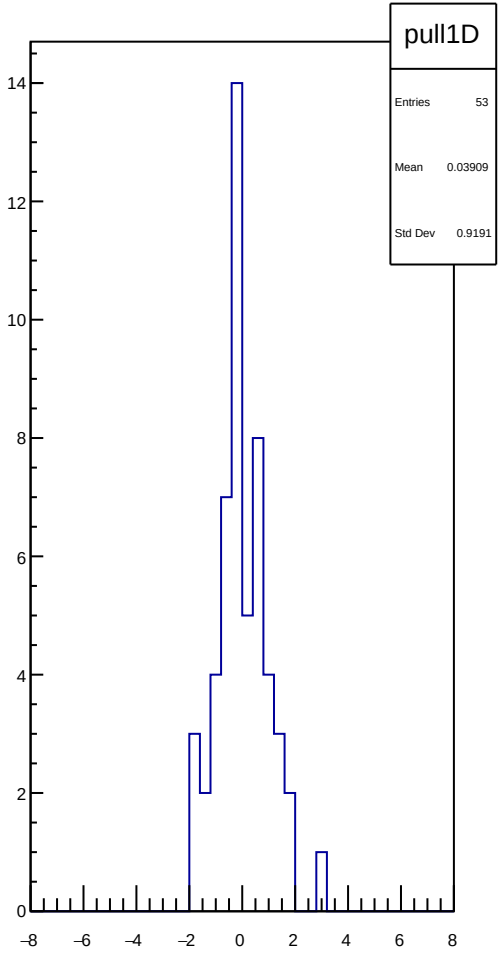

asym_sam_15_avg_correction_rms vs run
χ² / ndf 1912 / 52
p0 494.2 ± 0.4883
560
540
520
500
480
460
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

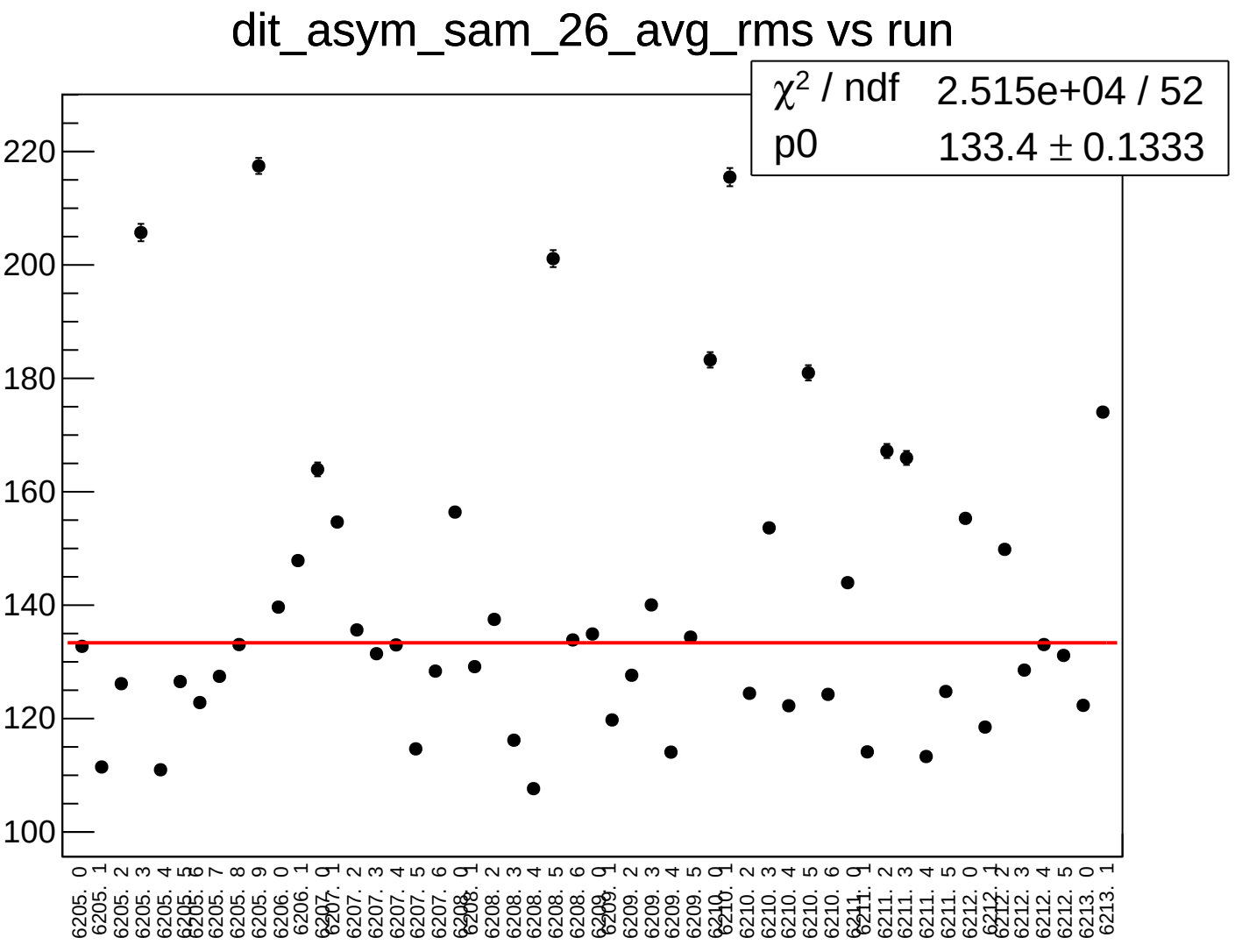

asym_sam_15_avg_mean vs run
χ² / ndf 51.51 / 52
p0 −1226 ± 694.3
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 53
Mean 20.37
Std Dev 97.11
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

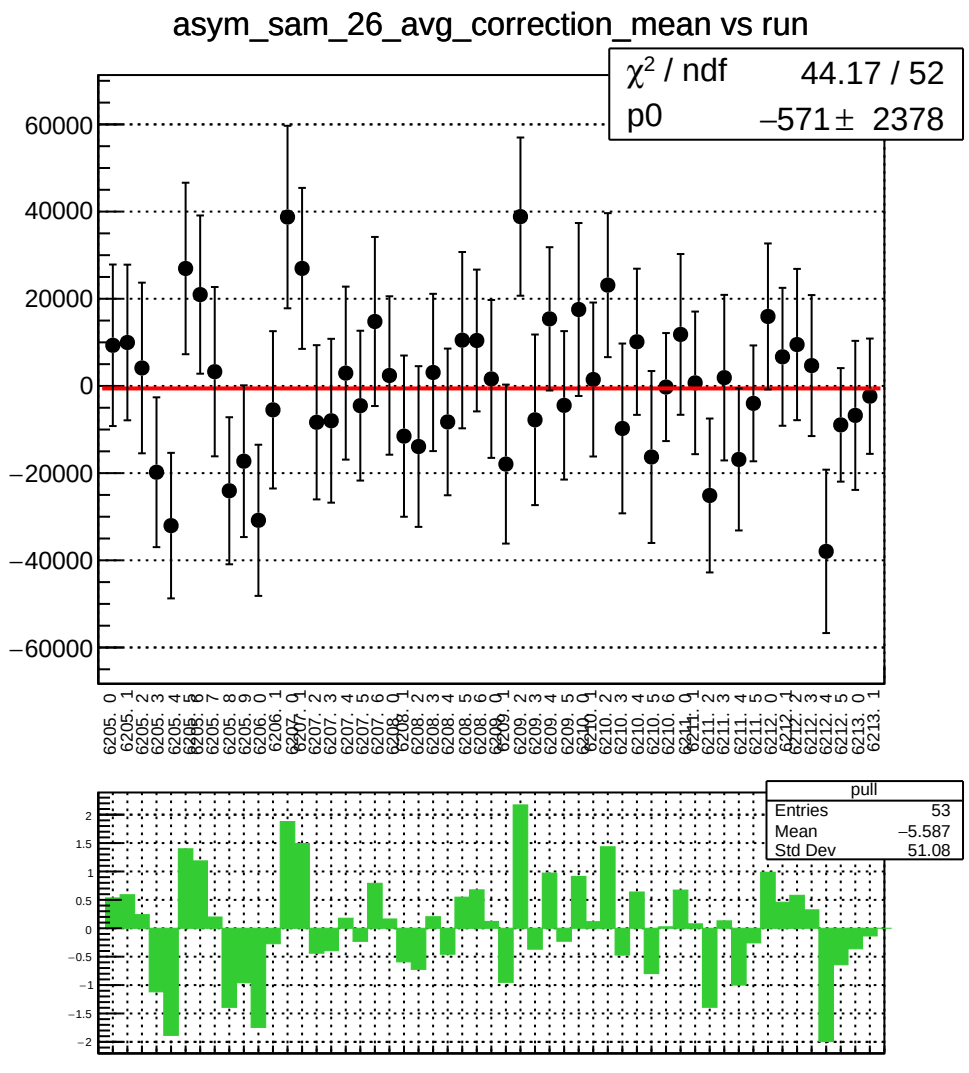

pull1D
Entries 53
Mean −0.002021
Std Dev 0.9859
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

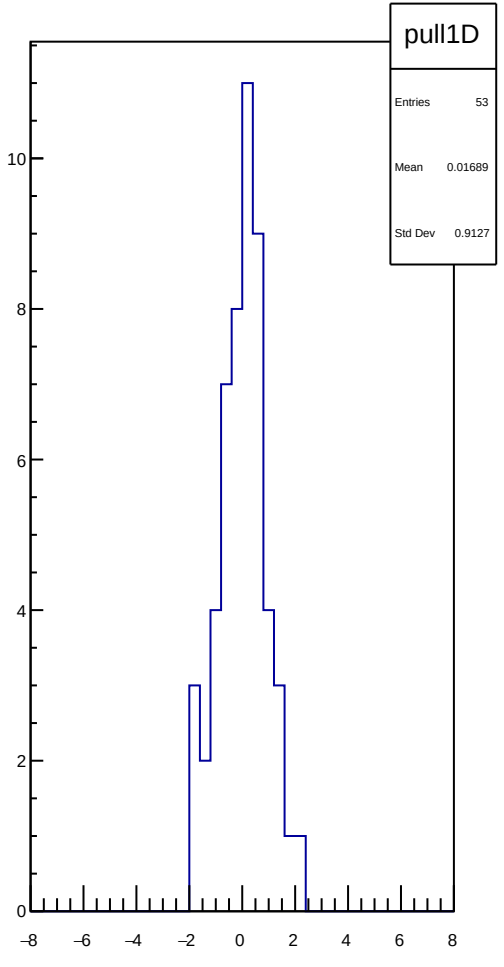

asym_sam_15_avg_rms vs run
χ² / ndf 2412 / 52
p0 496.7 ± 0.4909
560
540
520
500
480
460
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 9
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

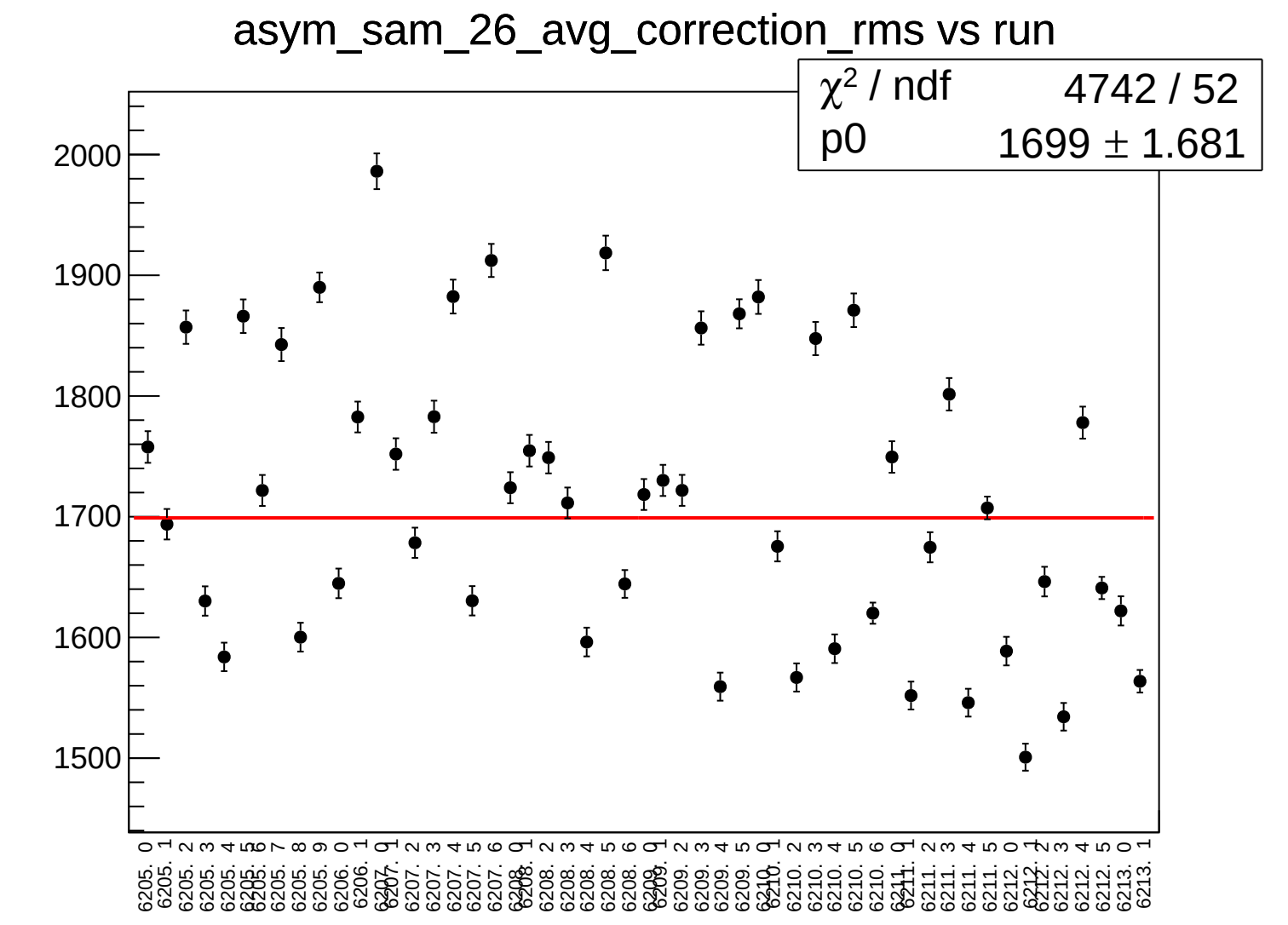

dit_asym_sam_26_avg_mean vs run
χ² / ndf 44.86 / 52
p0 33.31 ± 188.5
6000
4000
2000
0
−2000
−4000
pull
Entries 53
Mean −28.37
Std Dev 44.08
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

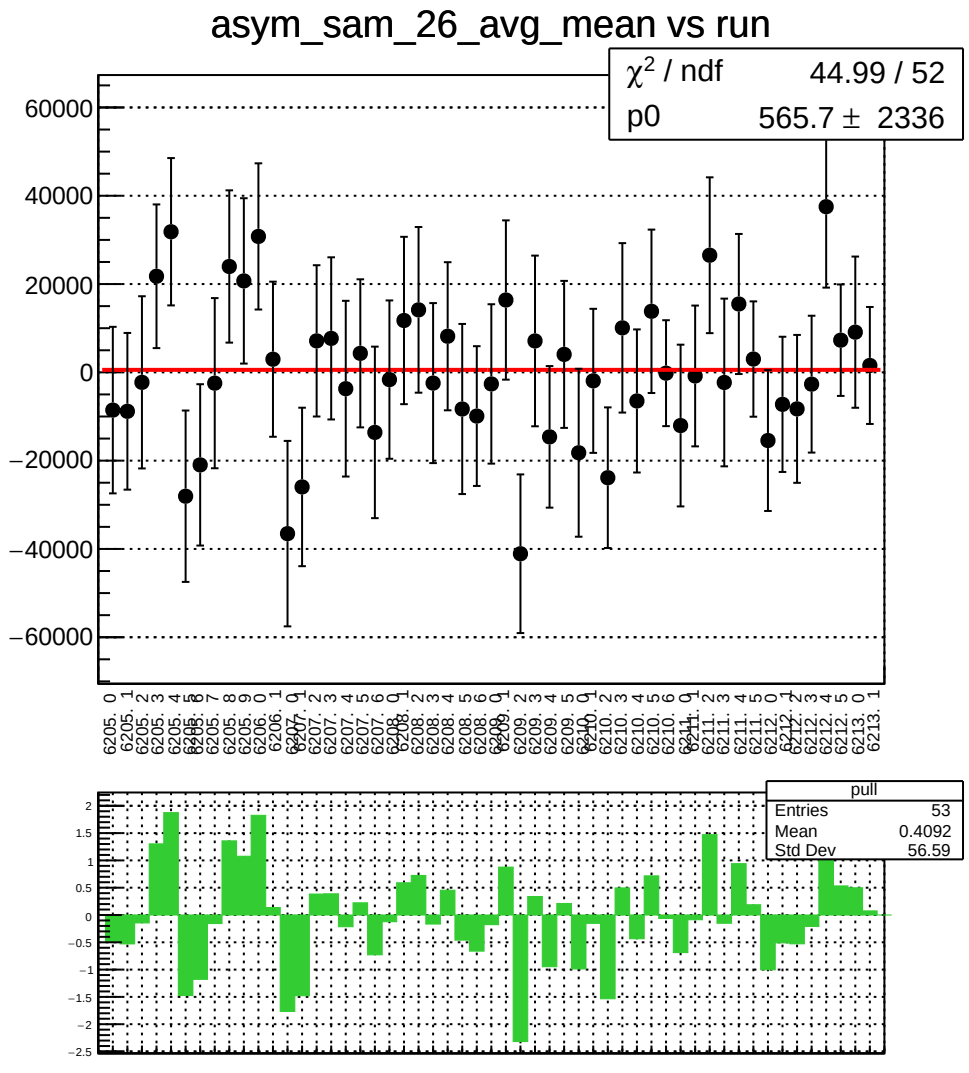

pull1D
Entries 53
Mean 0.03909
Std Dev 0.9191
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

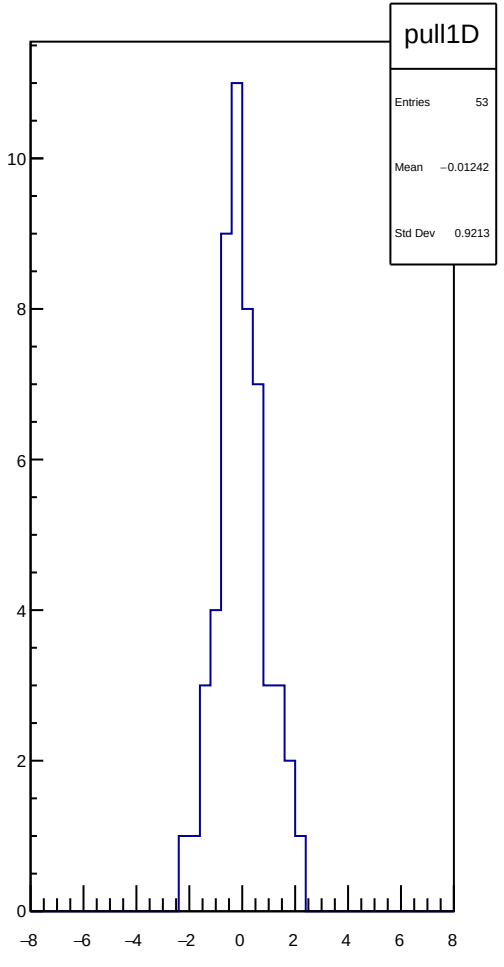

dit_asym_sam_26_avg_rms vs run
χ² / ndf 2.515e+04 / 52
p0 133.4 ± 0.1333
220
200
180
160
140
120
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6206. 2
6206. 3
6206. 4
6206. 5
6206. 6
6206. 7
6206. 8
6206. 9
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6207. 7
6207. 8
6207. 9
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 7
6208. 8
6208. 9
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6209. 6
6209. 7
6209. 8
6209. 9
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6210. 7
6210. 8
6210. 9
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

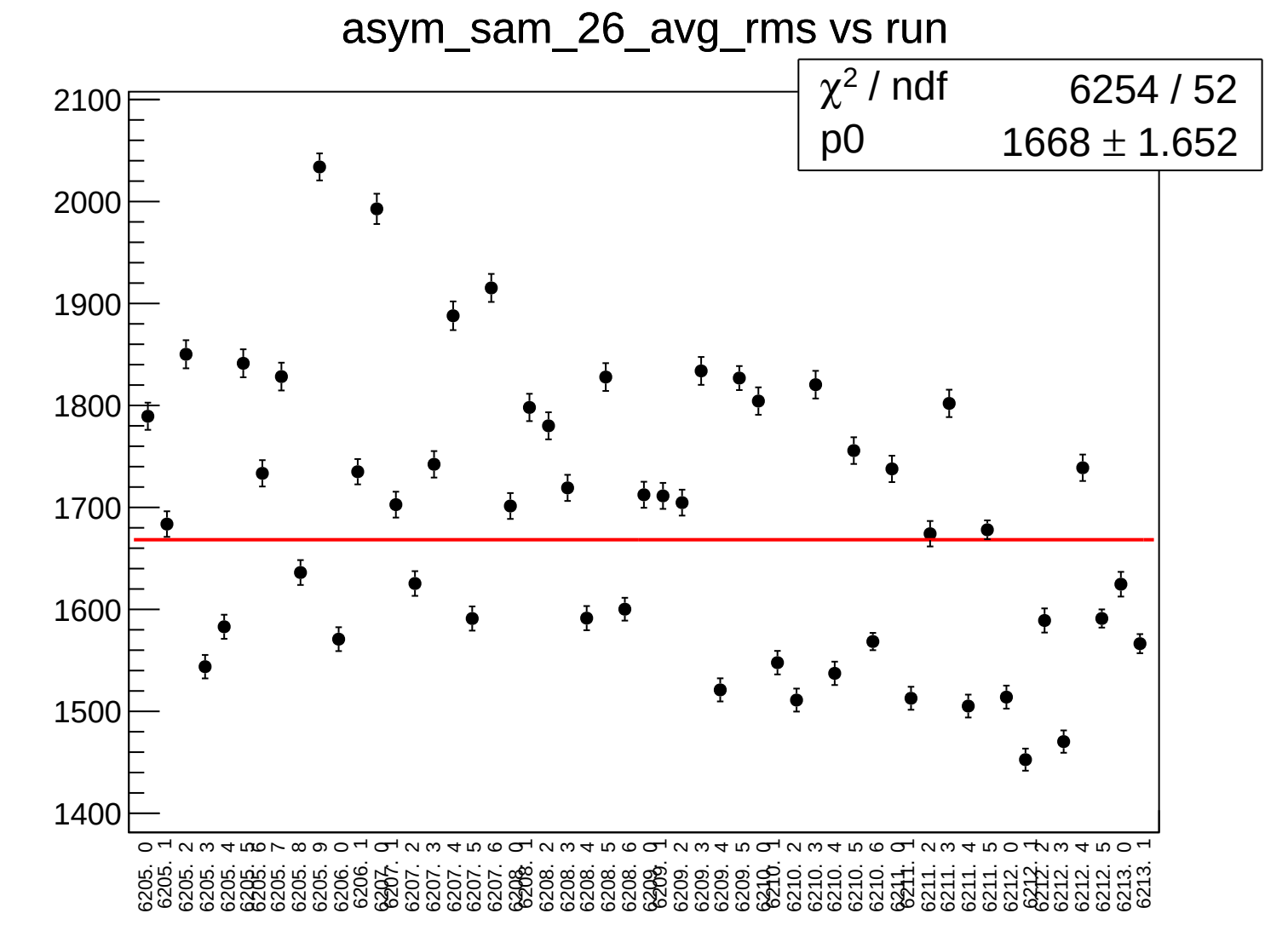

asym_sam_26_avg_correction_mean vs run
χ² / ndf 44.17 / 52
p0 −571 ± 2378
pull
Entries 53
Mean −5.587
Std Dev 51.08

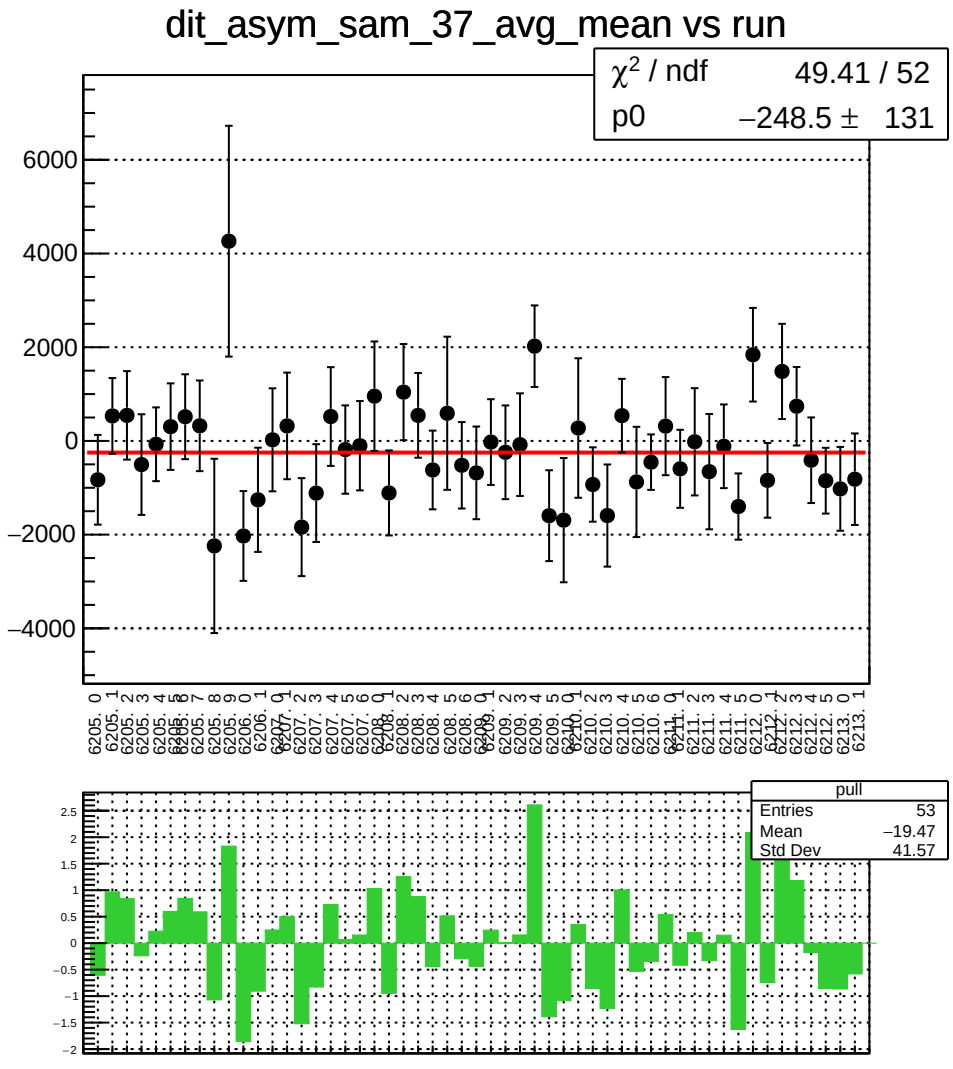

pull1D
Entries 53
Mean 0.01689
Std Dev 0.9127

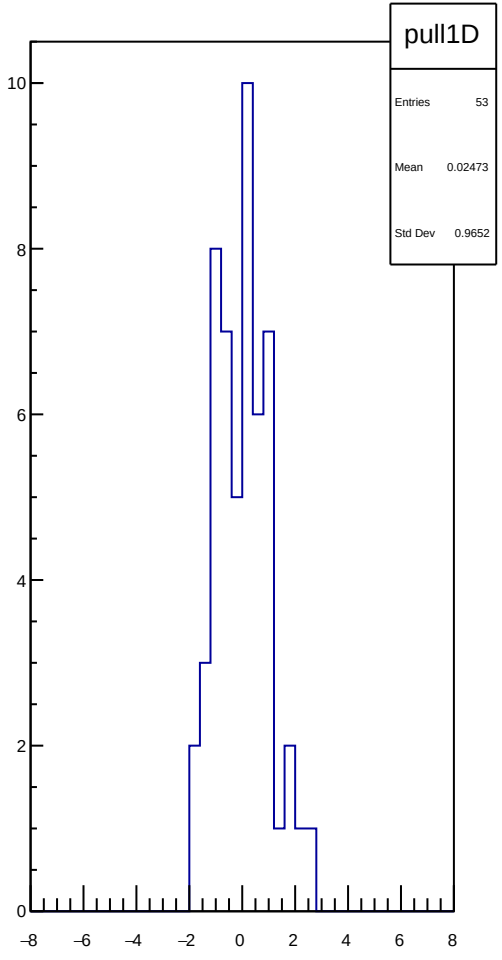

asym_sam_26_avg_correction_rms vs run
χ² / ndf 4742 / 52
p0 1699 ± 1.681
2000
1900
1800
1700
1600
1500
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

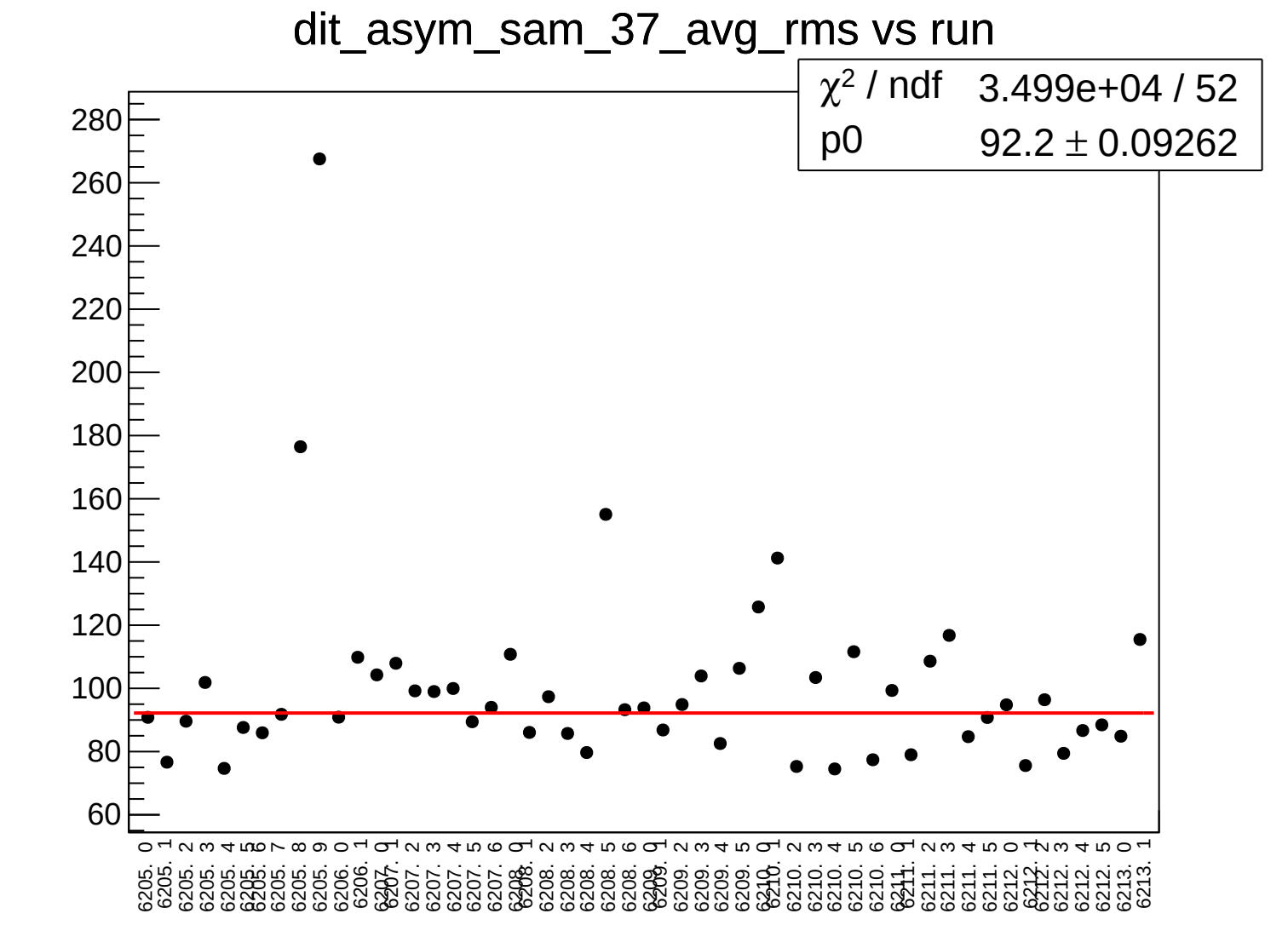

asym_sam_26_avg_mean vs run
χ² / ndf 44.99 / 52
p0 565.7 ± 2336
pull
Entries 53
Mean 0.4092
Std Dev 56.59

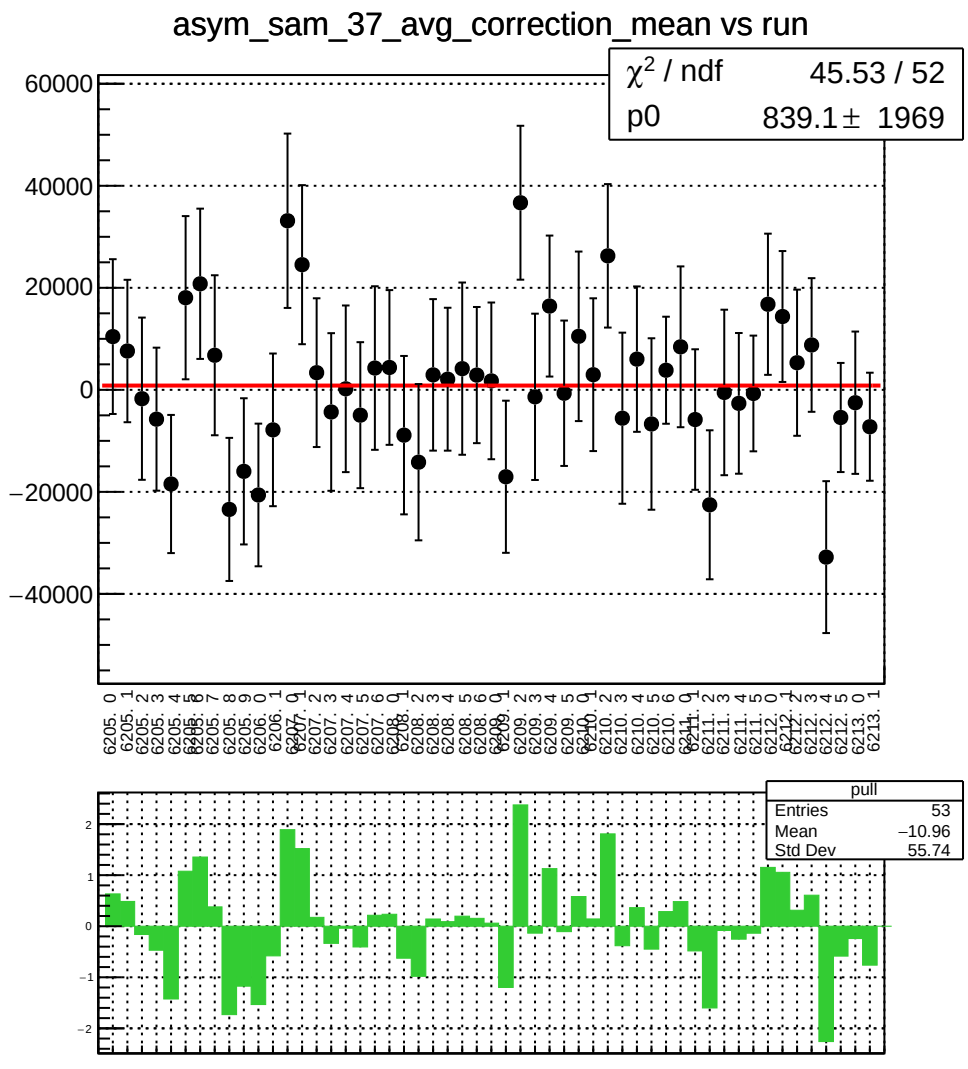

pull1D
Entries 53
Mean −0.01242
Std Dev 0.9213

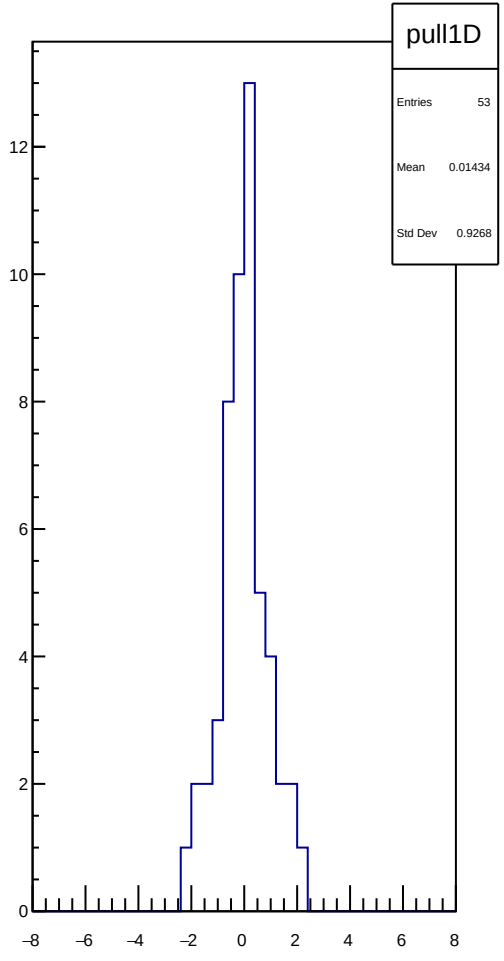

asym_sam_26_avg_rms vs run
χ² / ndf 6254 / 52
p0 1668 ± 1.652
2100
2000
1900
1800
1700
1600
1500
1400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

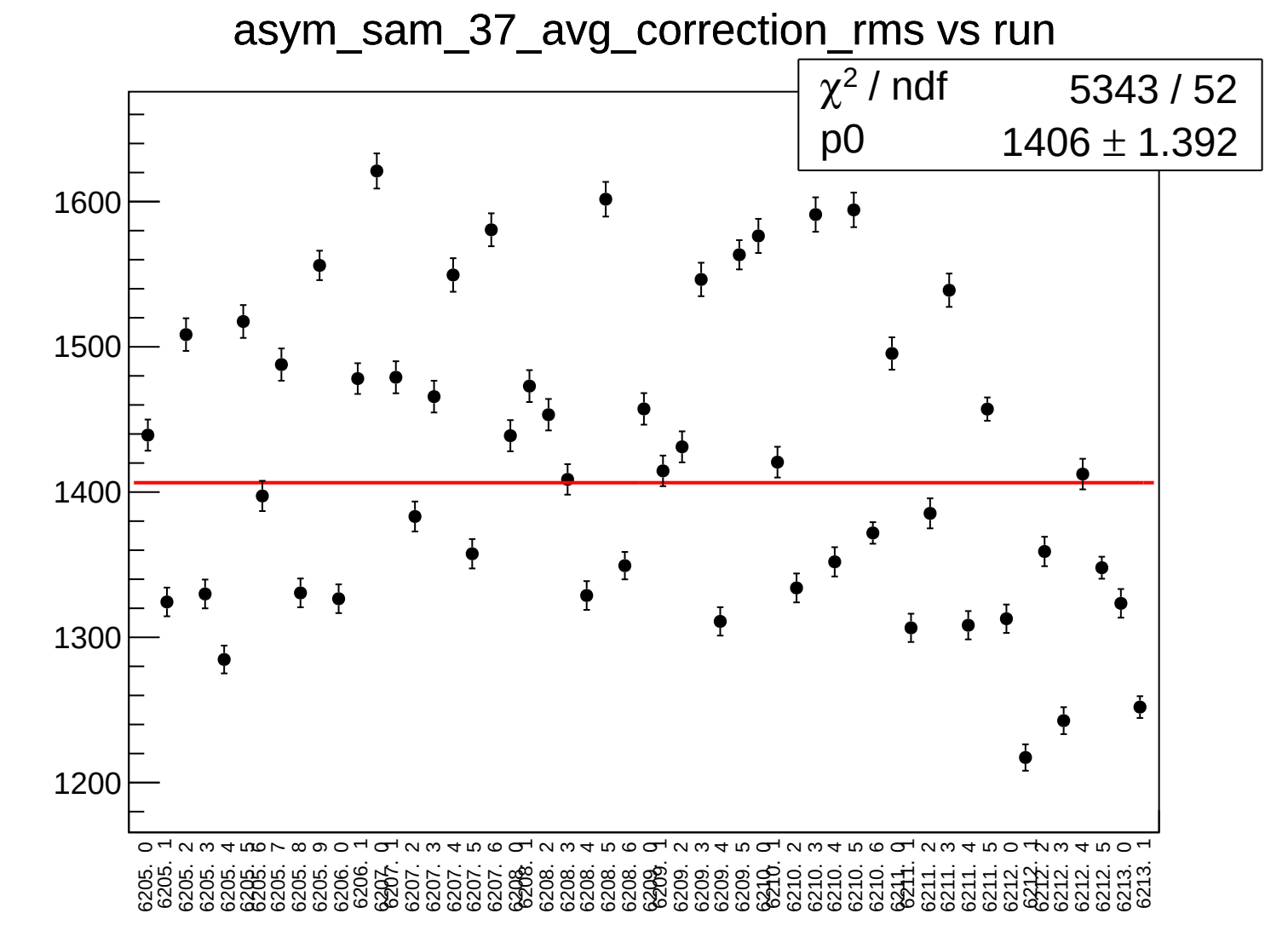

dit_asym_sam_37_avg_mean vs run
χ² / ndf 49.41 / 52
p0 −248.5 ± 131
6000
4000
2000
0
−2000
−4000
pull
Entries 53
Mean −19.47
Std Dev 41.57
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

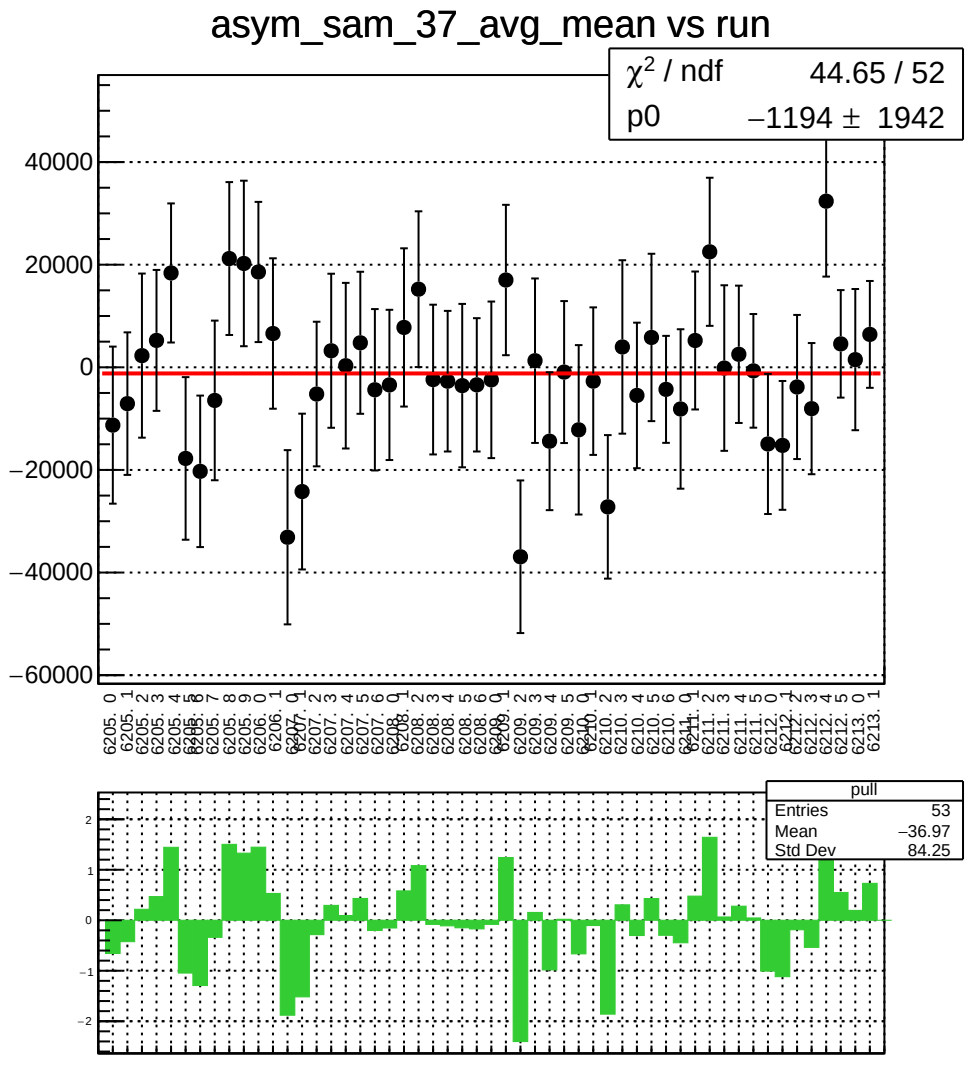

pull1D
Entries 53
Mean 0.02473
Std Dev 0.9652
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

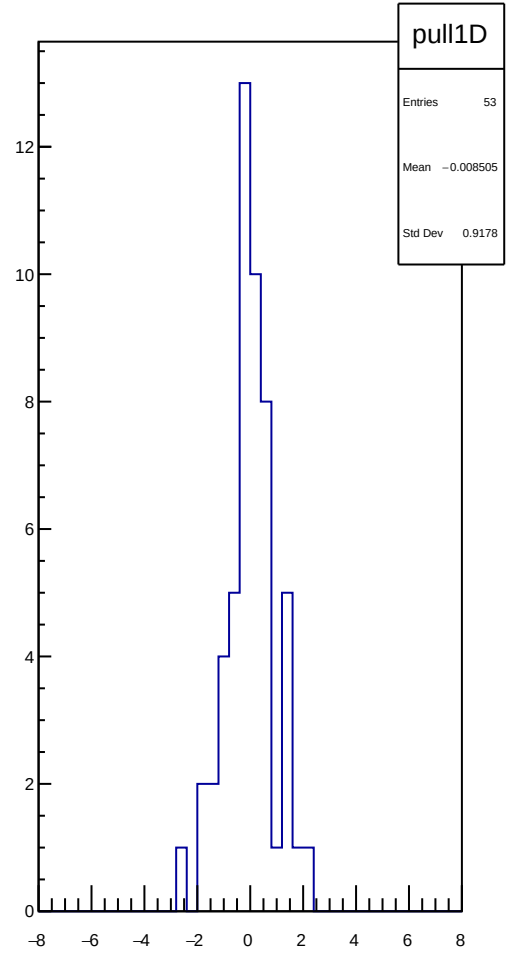

dit_asym_sam_37_avg_rms vs run
$\chi^2$ / ndf 3.499e+04 / 52
p0 92.2 ± 0.09262
280
260
240
220
200
180
160
140
120
100
80
60
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

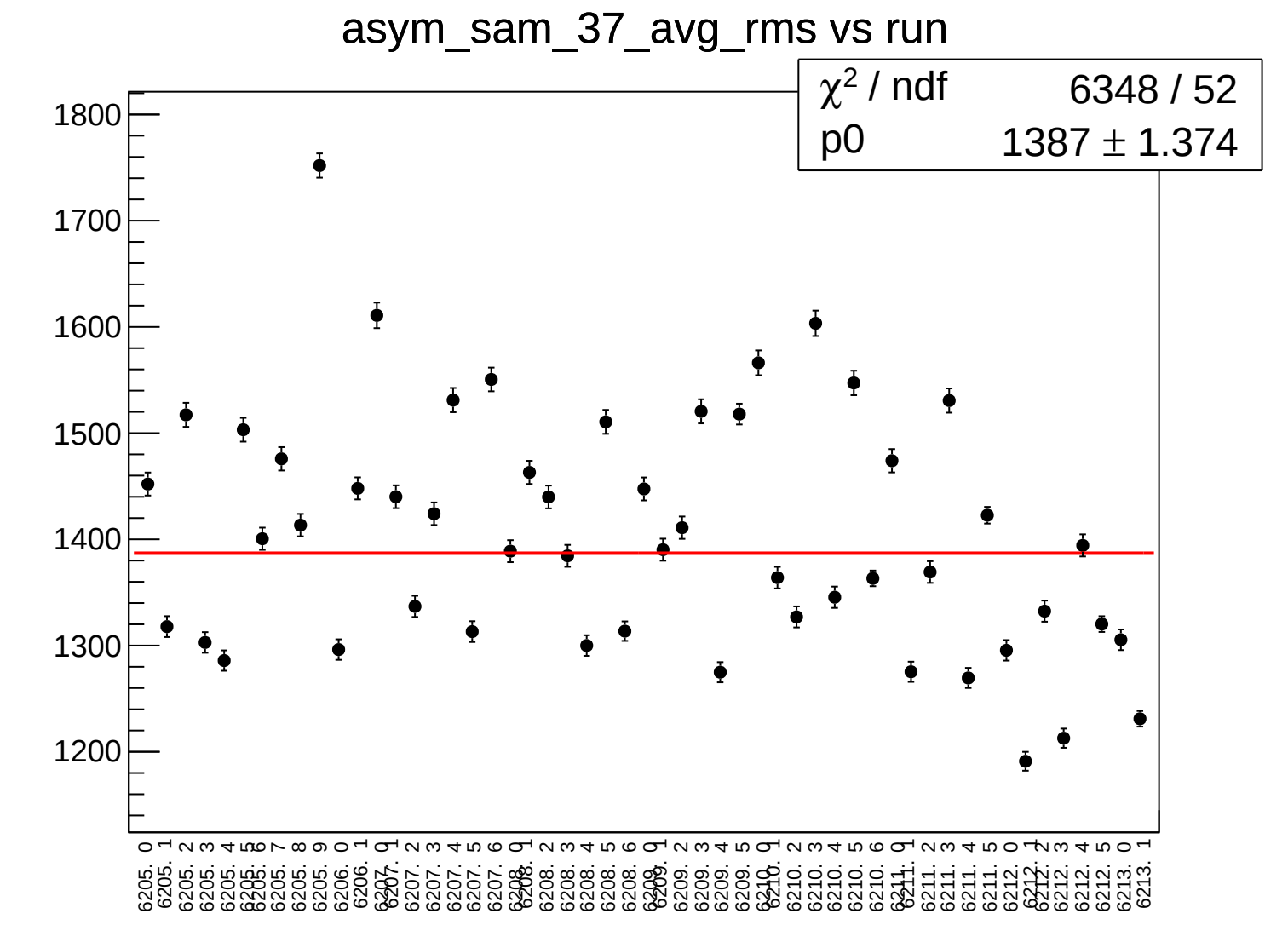

asym_sam_37_avg_correction_mean vs run
χ² / ndf 45.53 / 52
p0 839.1± 1969
60000
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −10.96
Std Dev 55.74
2
1
0
−1
−2

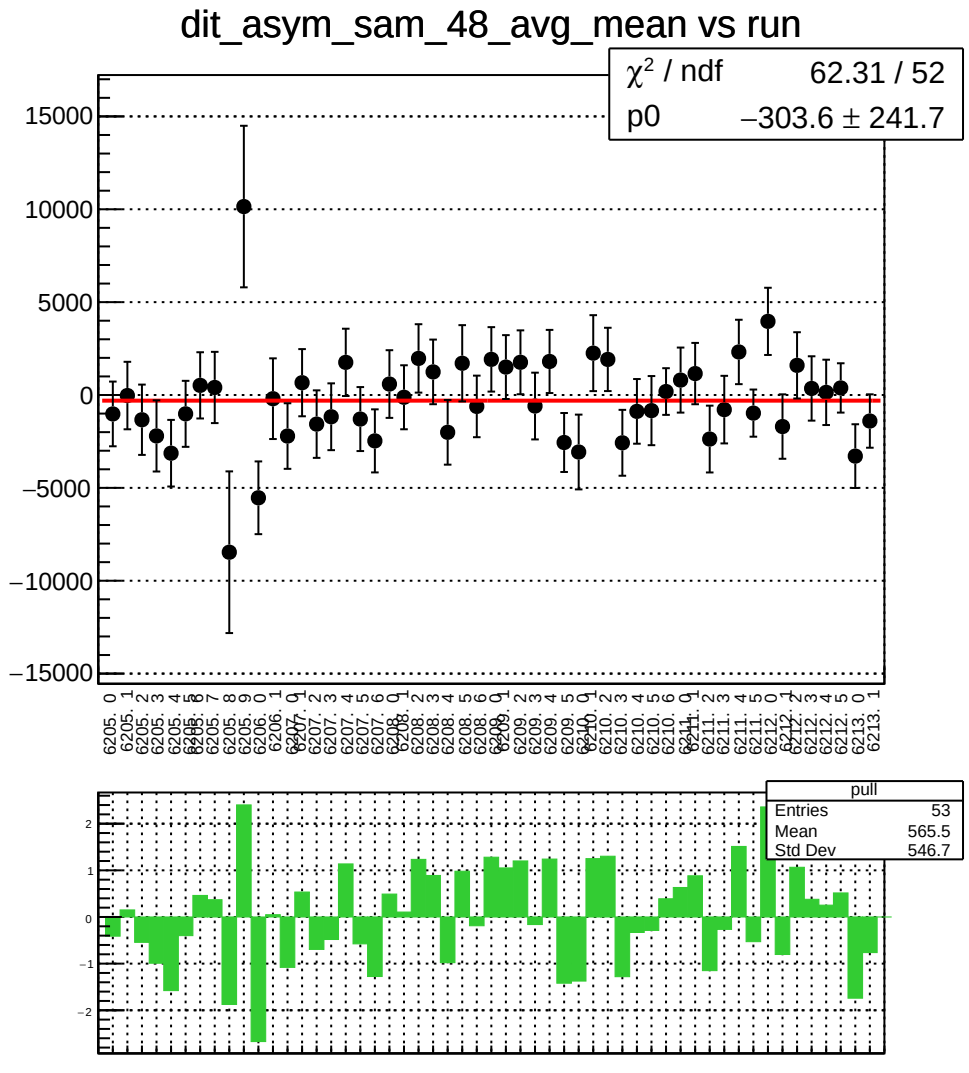

pull1D
Entries 53
Mean 0.01434
Std Dev 0.9268
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

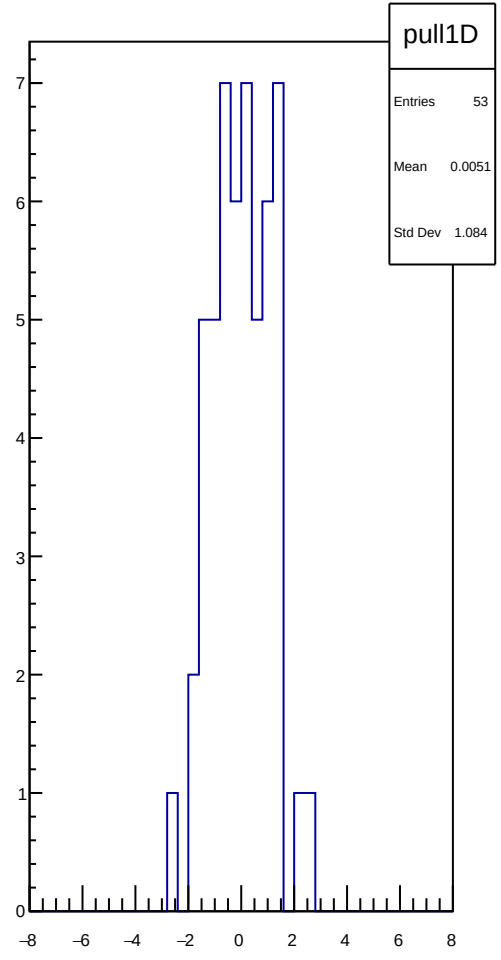

asym_sam_37_avg_correction_rms vs run
χ² / ndf 5343 / 52
p0 1406 ± 1.392
1600
1500
1400
1300
1200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

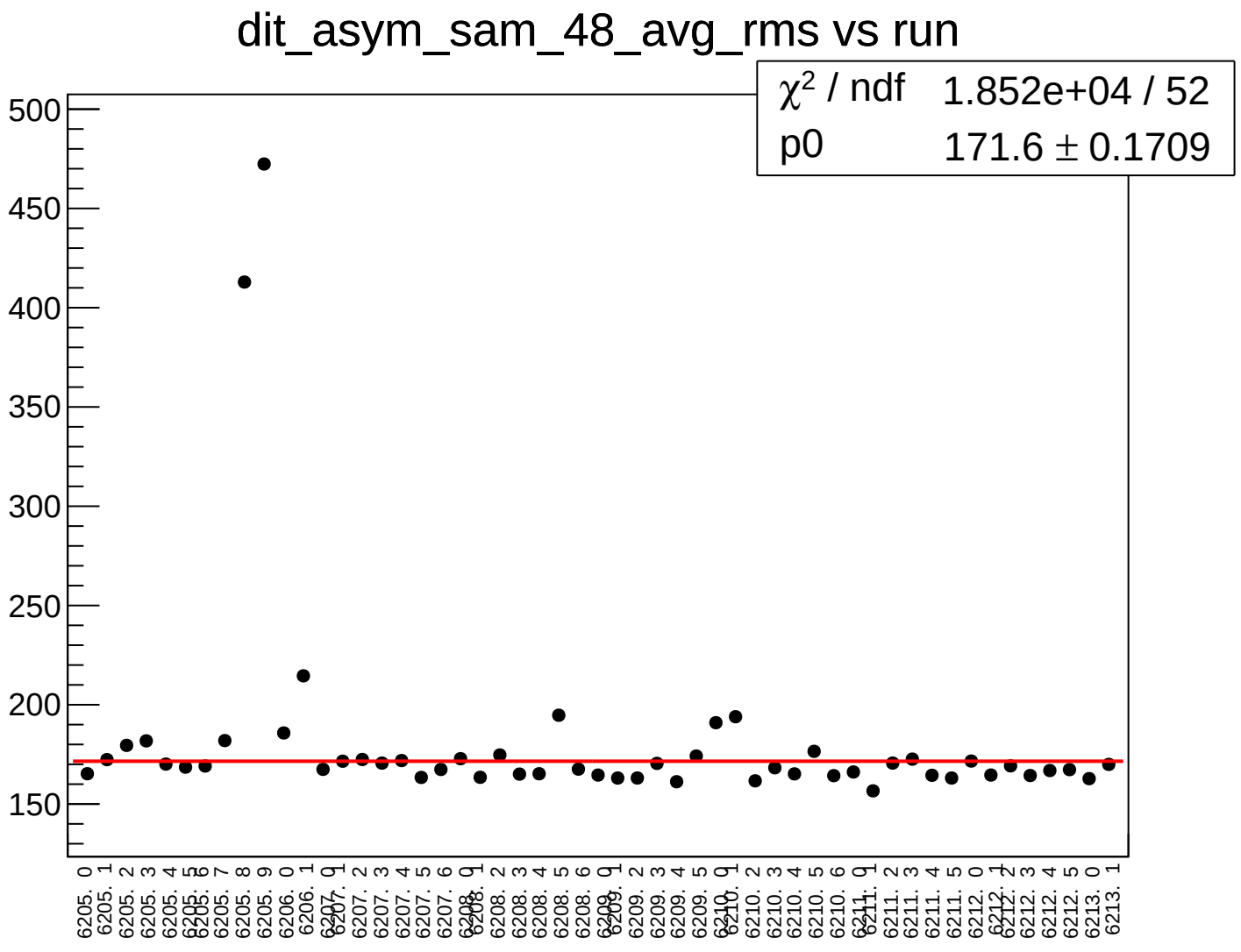

asym_sam_37_avg_mean vs run
χ² / ndf 44.65 / 52
p0 −1194 ± 1942
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −36.97
Std Dev 84.25
2
1
0
−1
−2

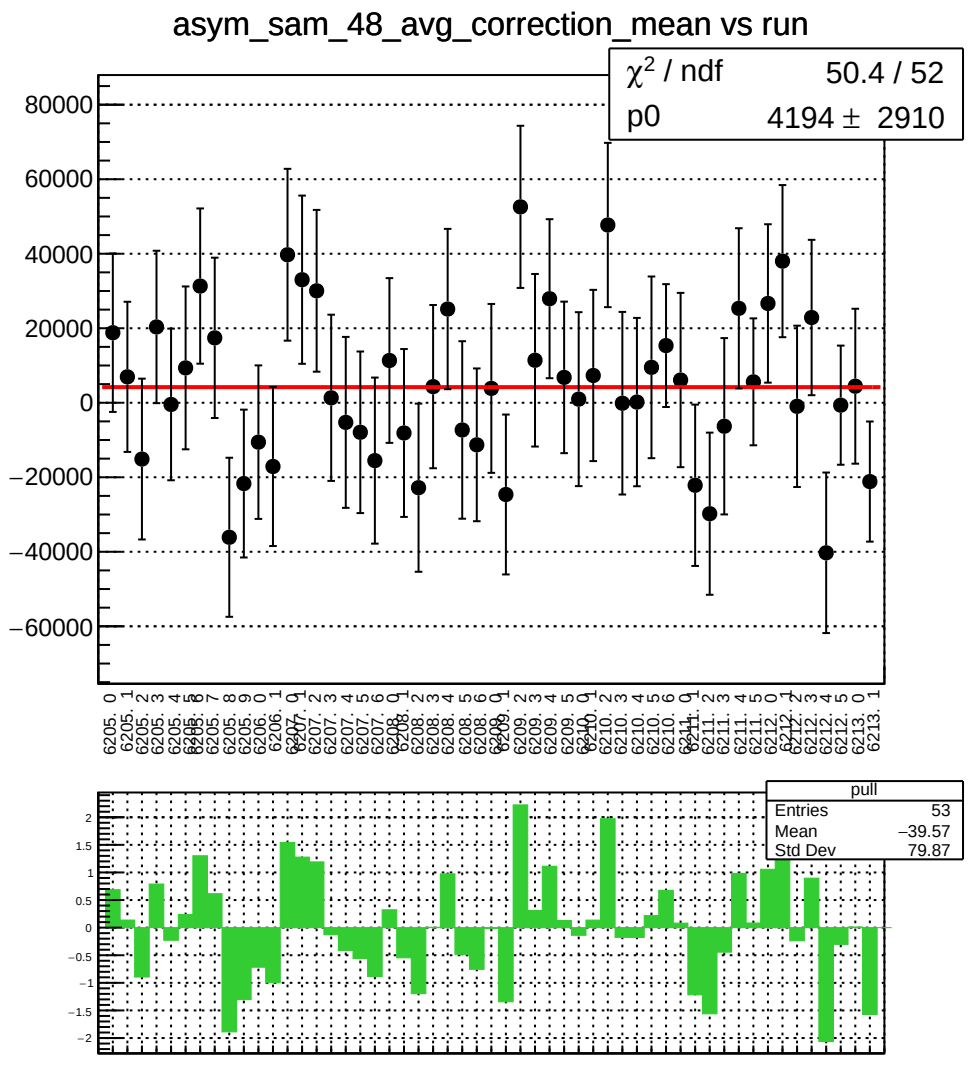

pull1D
Entries 53
Mean −0.008505
Std Dev 0.9178
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

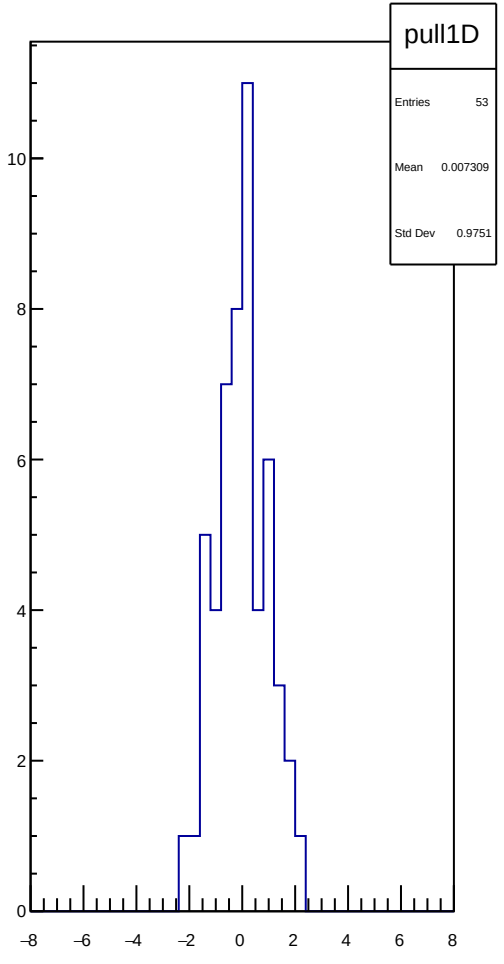

asym_sam_37_avg_rms vs run
χ² / ndf 6348 / 52
p0 1387 ± 1.374
1800
1700
1600
1500
1400
1300
1200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

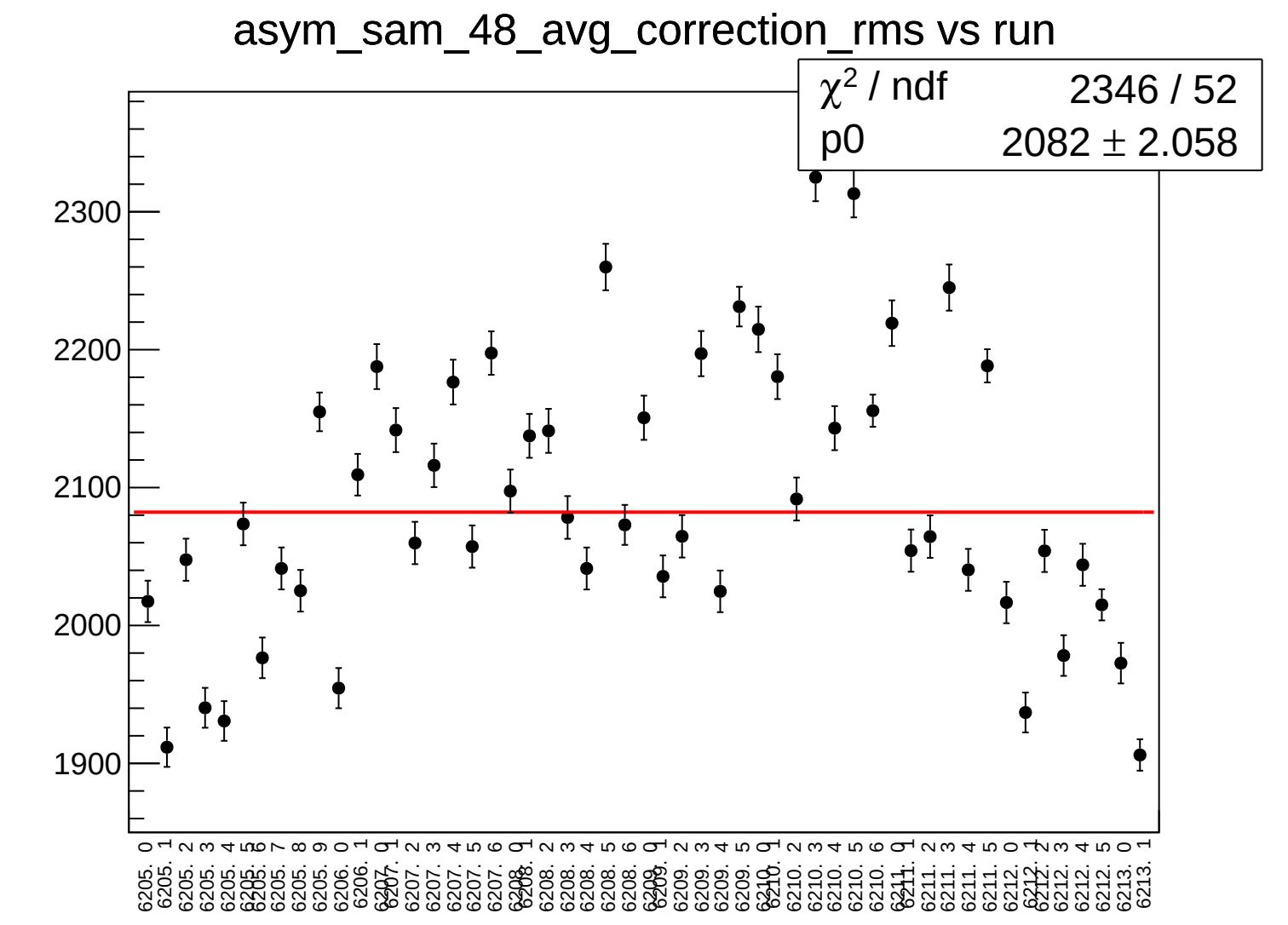

dit_asym_sam_48_avg_mean vs run
χ² / ndf 62.31 / 52
p0 −303.6 ± 241.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean 565.5
Std Dev 546.7
2
1
0
−1
−2

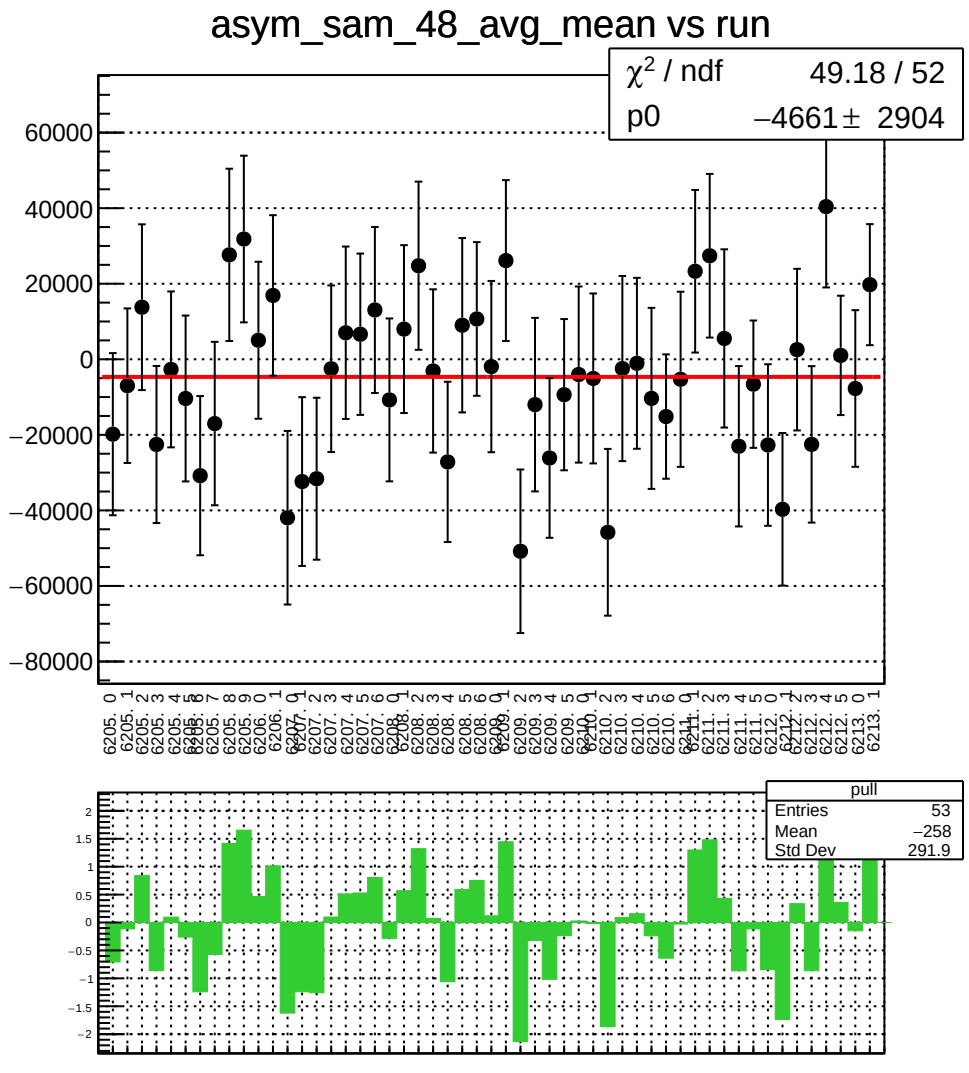

pull1D
Entries 53
Mean 0.0051
Std Dev 1.084
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

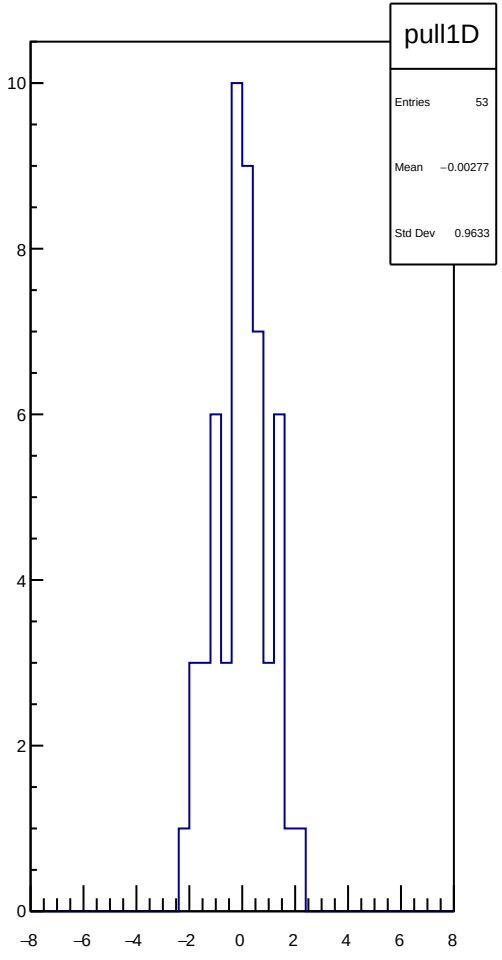

dit_asym_sam_48_avg_rms vs run
χ² / ndf 1.852e+04 / 52
p0 171.6 ± 0.1709
500
450
400
350
300
250
200
150
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6206. 2
6206. 3
6206. 4
6206. 5
6206. 6
6206. 7
6206. 8
6206. 9
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6207. 7
6207. 8
6207. 9
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 7
6208. 8
6208. 9
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6209. 6
6209. 7
6209. 8
6209. 9
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6210. 7
6210. 8
6210. 9
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

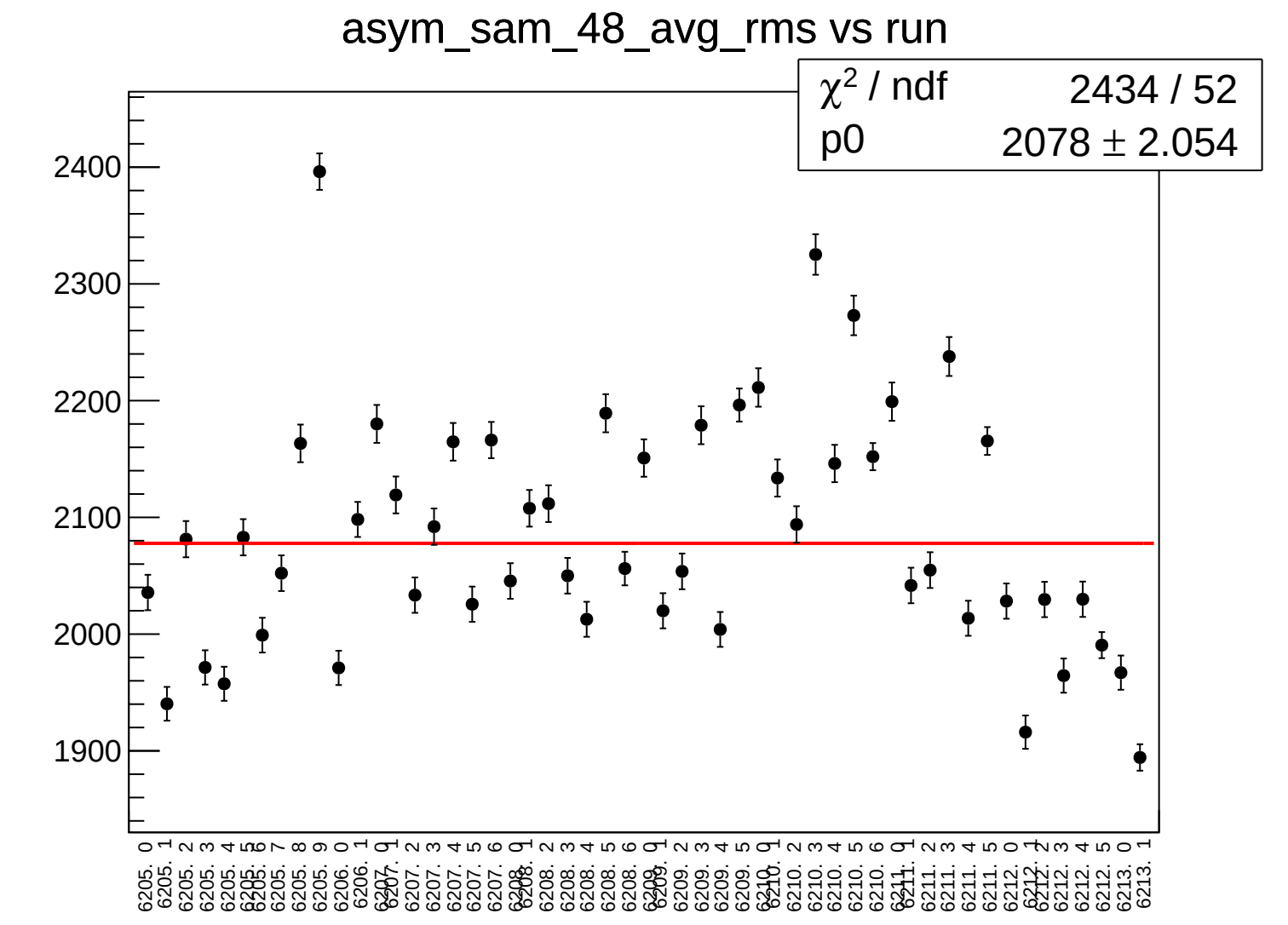

asym_sam_48_avg_correction_mean vs run
χ² / ndf 50.4 / 52
p0 4194 ± 2910
pull
Entries 53
Mean −39.57
Std Dev 79.87

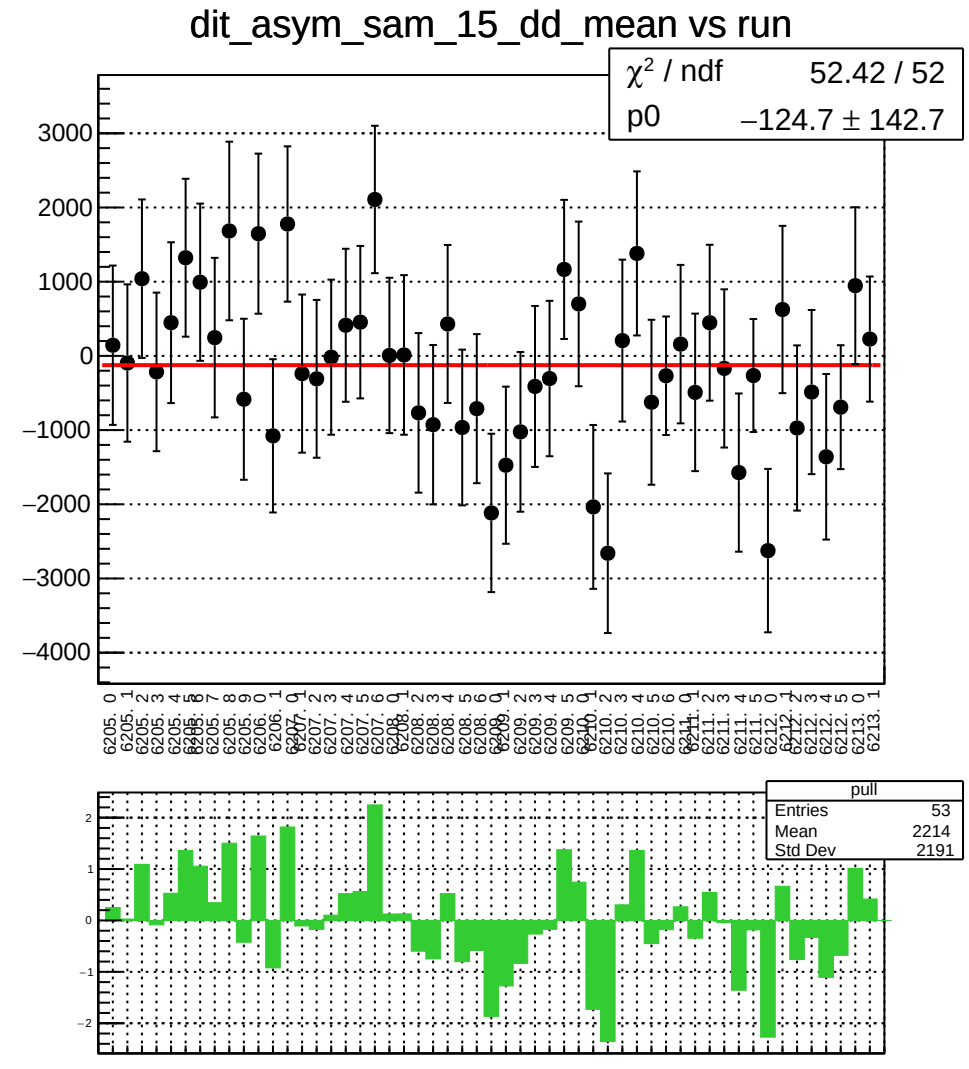

pull1D
Entries 53
Mean 0.007309
Std Dev 0.9751

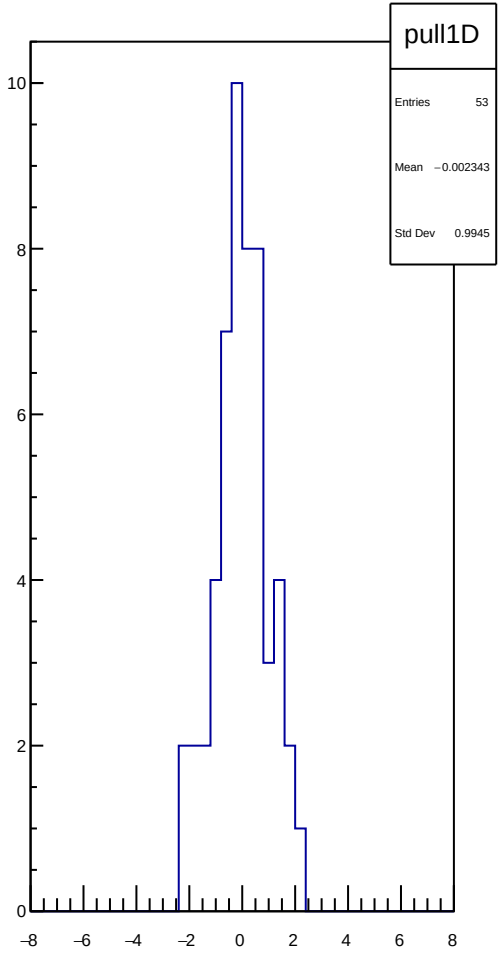

asym_sam_48_avg_correction_rms vs run
χ² / ndf 2346 / 52
p0 2082 ± 2.058
2300
2200
2100
2000
1900
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

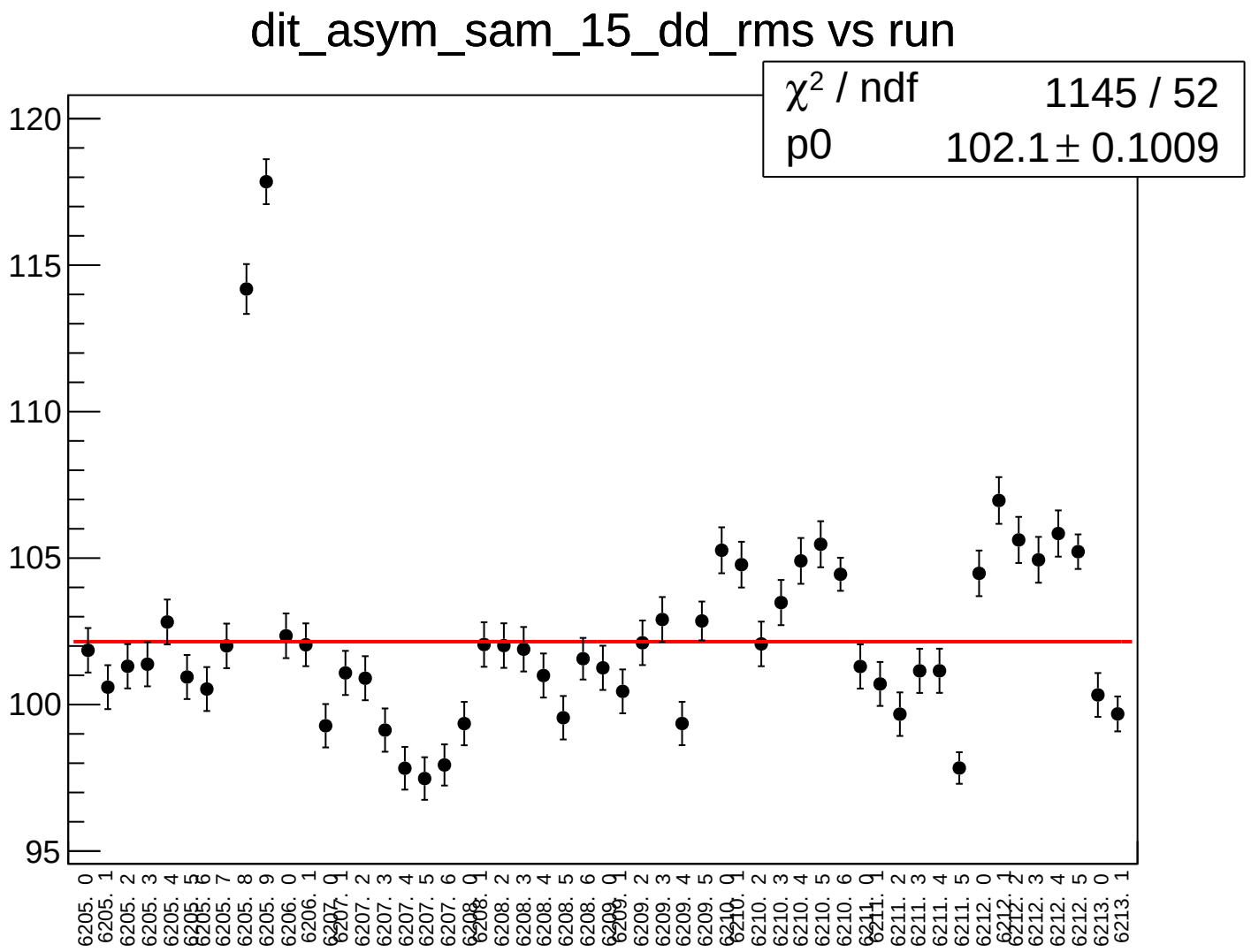

asym_sam_48_avg_mean vs run
χ² / ndf 49.18 / 52
p0 −4661 ± 2904
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 53
Mean −258
Std Dev 291.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

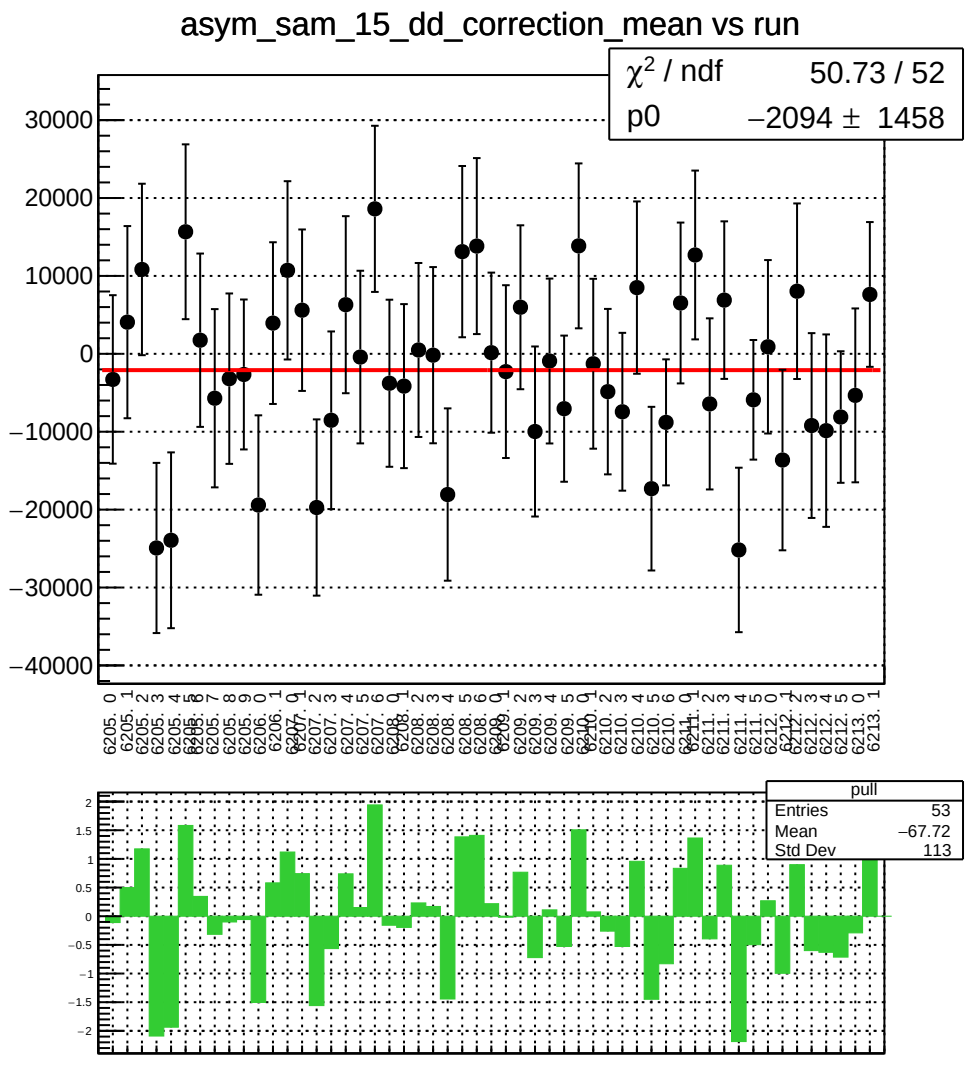

pull1D
Entries 53
Mean −0.00277
Std Dev 0.9633
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

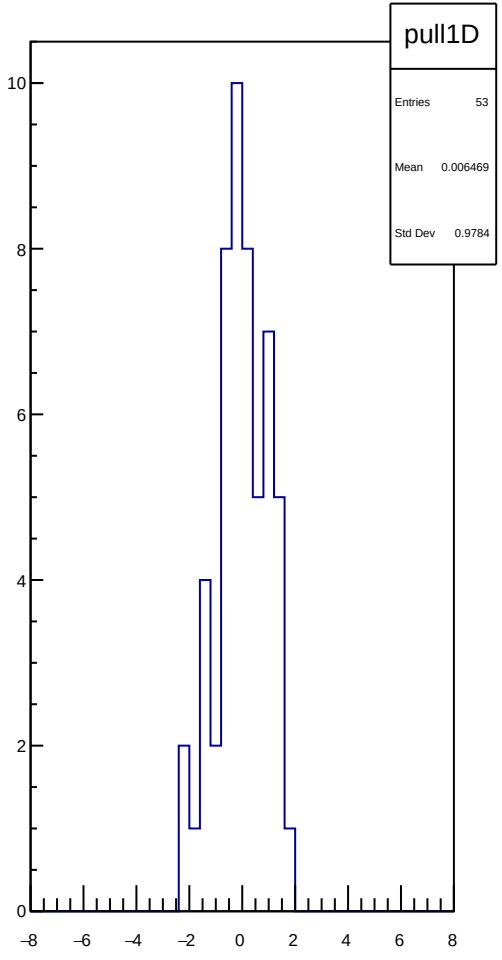

asym_sam_48_avg_rms vs run
χ² / ndf 2434 / 52
p0 2078 ± 2.054
2400
2300
2200
2100
2000
1900
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

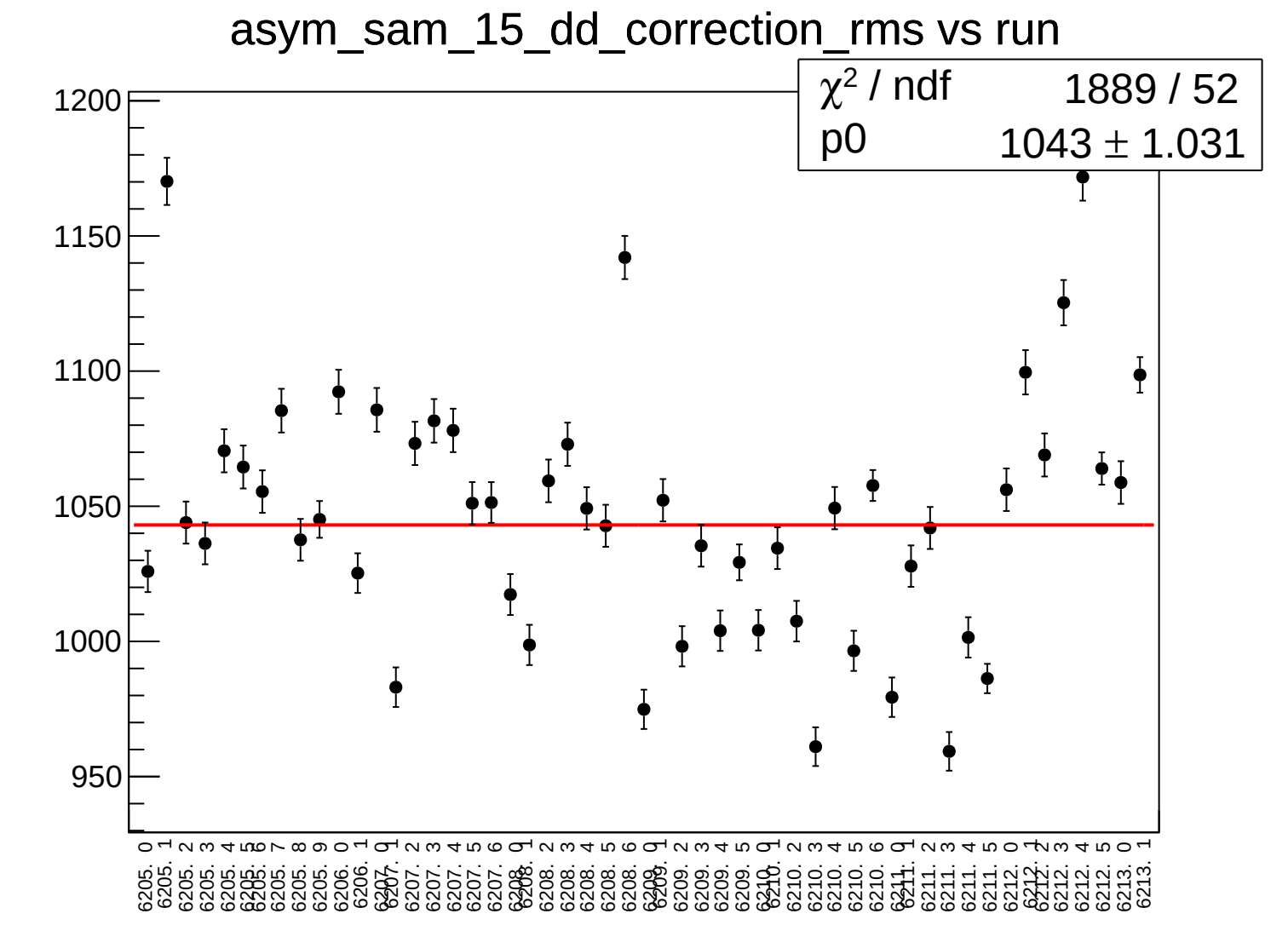

dit_asym_sam_15_dd_mean vs run
χ² / ndf 52.42 / 52
p0 −124.7 ± 142.7
pull
Entries 53
Mean 2214
Std Dev 2191

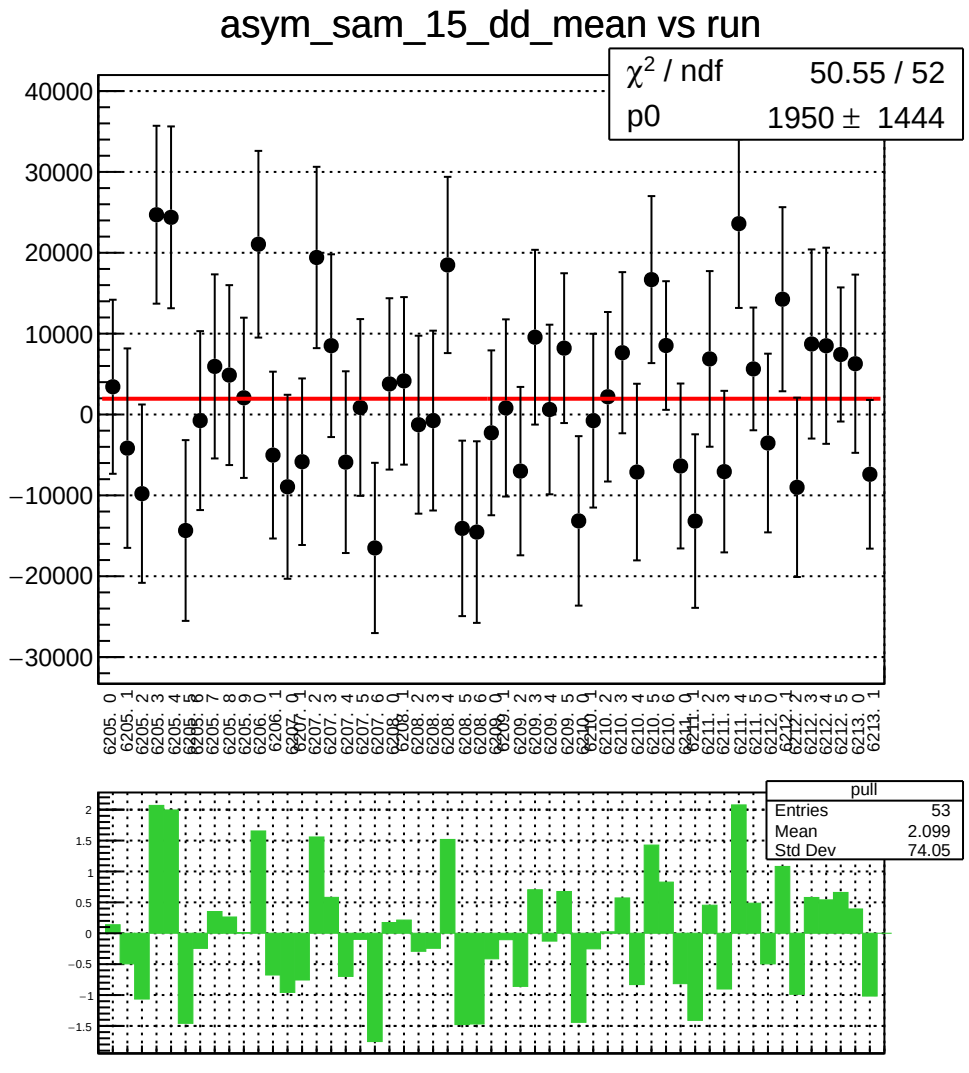

pull1D
Entries 53
Mean −0.002343
Std Dev 0.9945

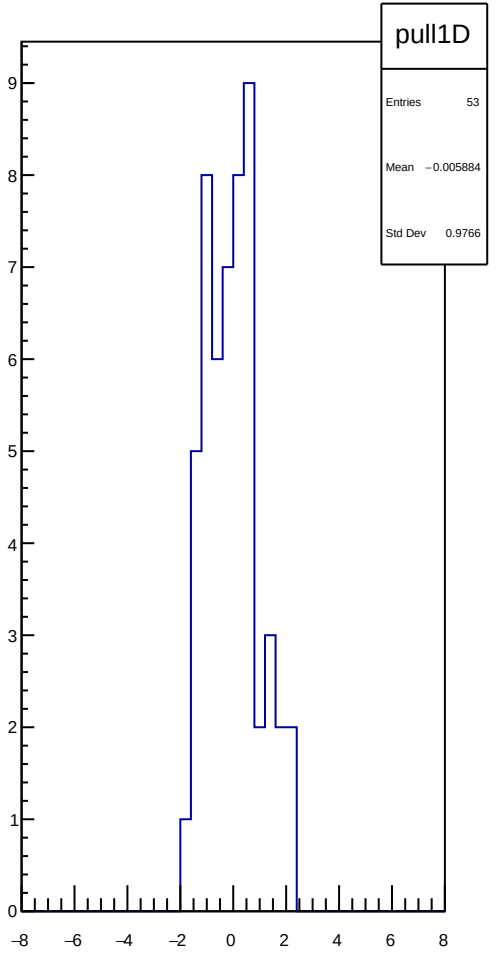

dit_asym_sam_15_dd_rms vs run
χ² / ndf 1145 / 52
p0 102.1 ± 0.1009
120
115
110
105
100
95
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

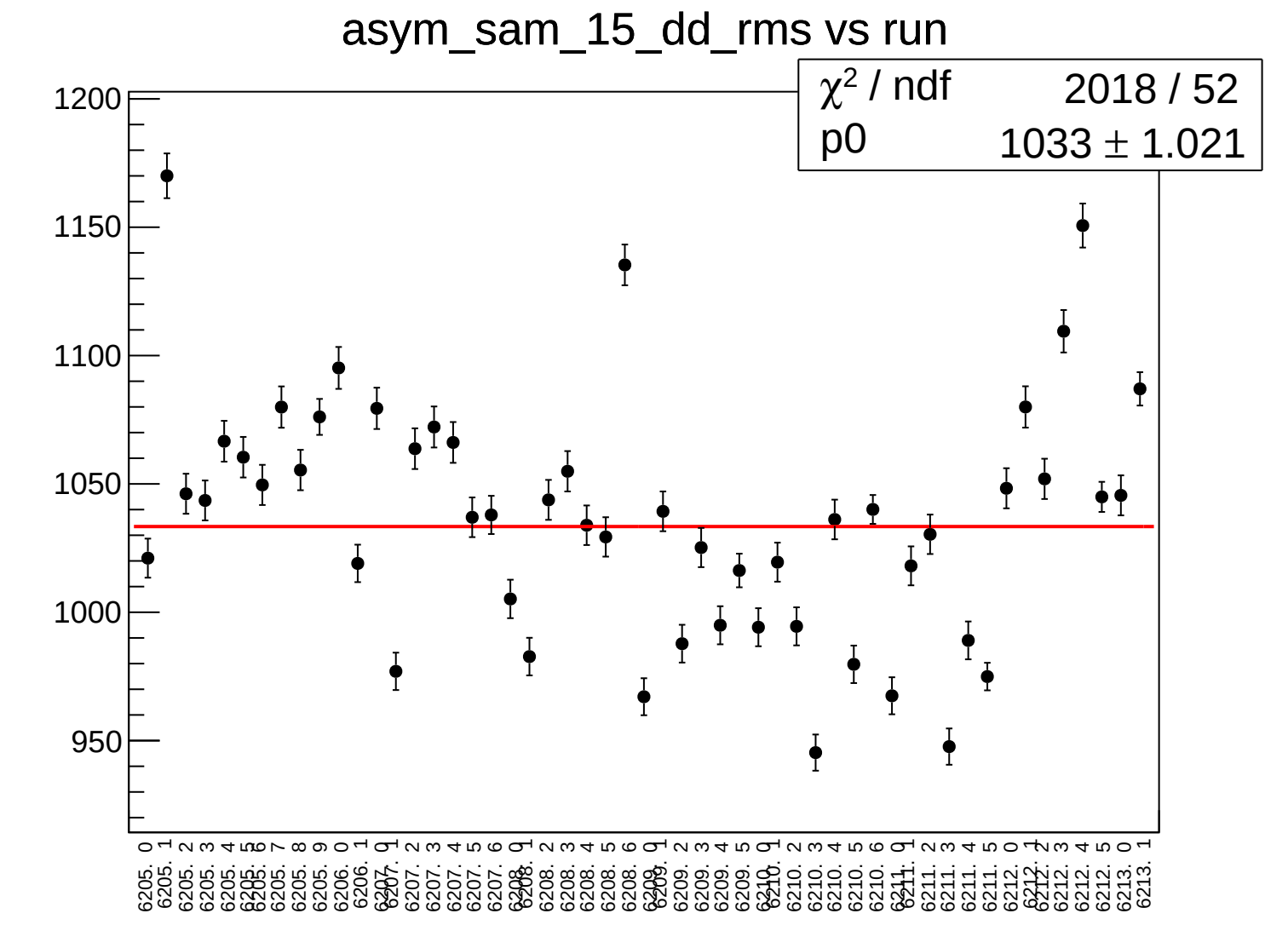

asym_sam_15_dd_correction_mean vs run
χ² / ndf 50.73 / 52
p0 −2094 ± 1458
pull
Entries 53
Mean −67.72
Std Dev 113

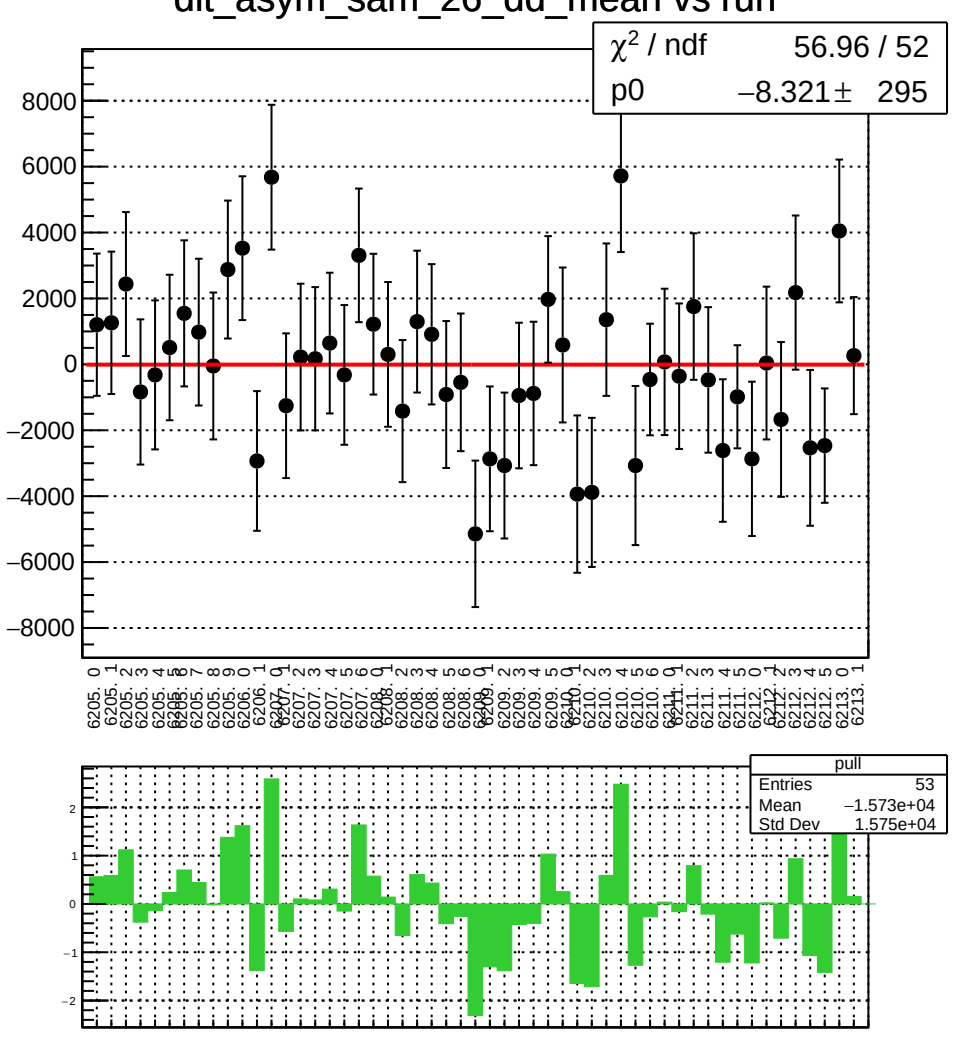

pull1D
Entries 53
Mean 0.006469
Std Dev 0.9784

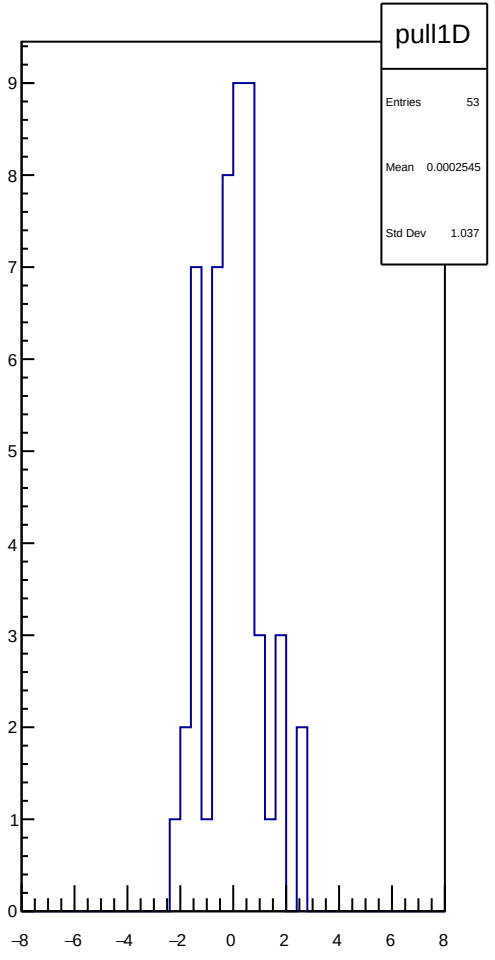

asym_sam_15_dd_correction_rms vs run
χ² / ndf 1889 / 52
p0 1043 ± 1.031
1200
1150
1100
1050
1000
950
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 9
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

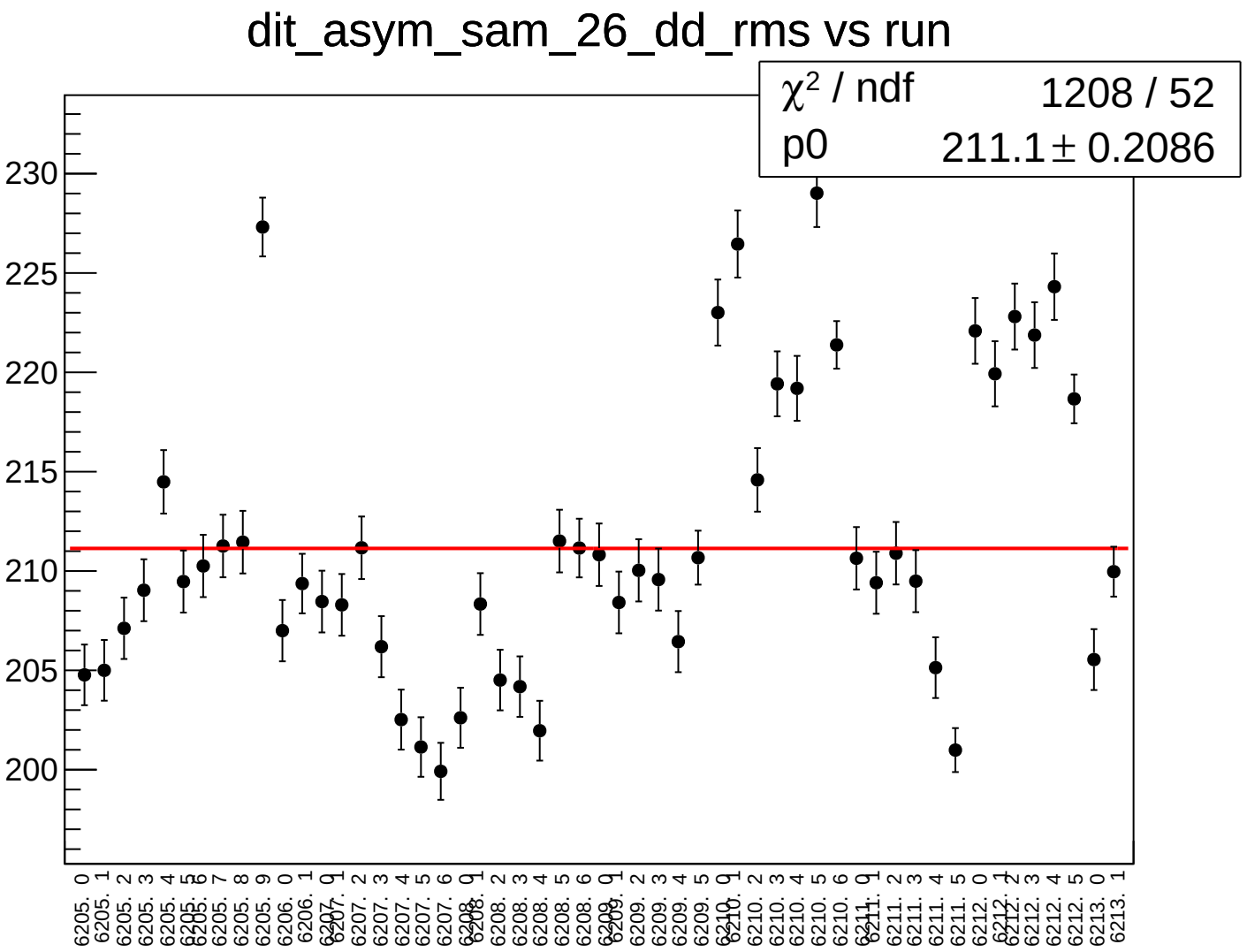

asym_sam_15_dd_mean vs run
χ² / ndf 50.55 / 52
p0 1950 ± 1444
pull
Entries 53
Mean 2.099
Std Dev 74.05

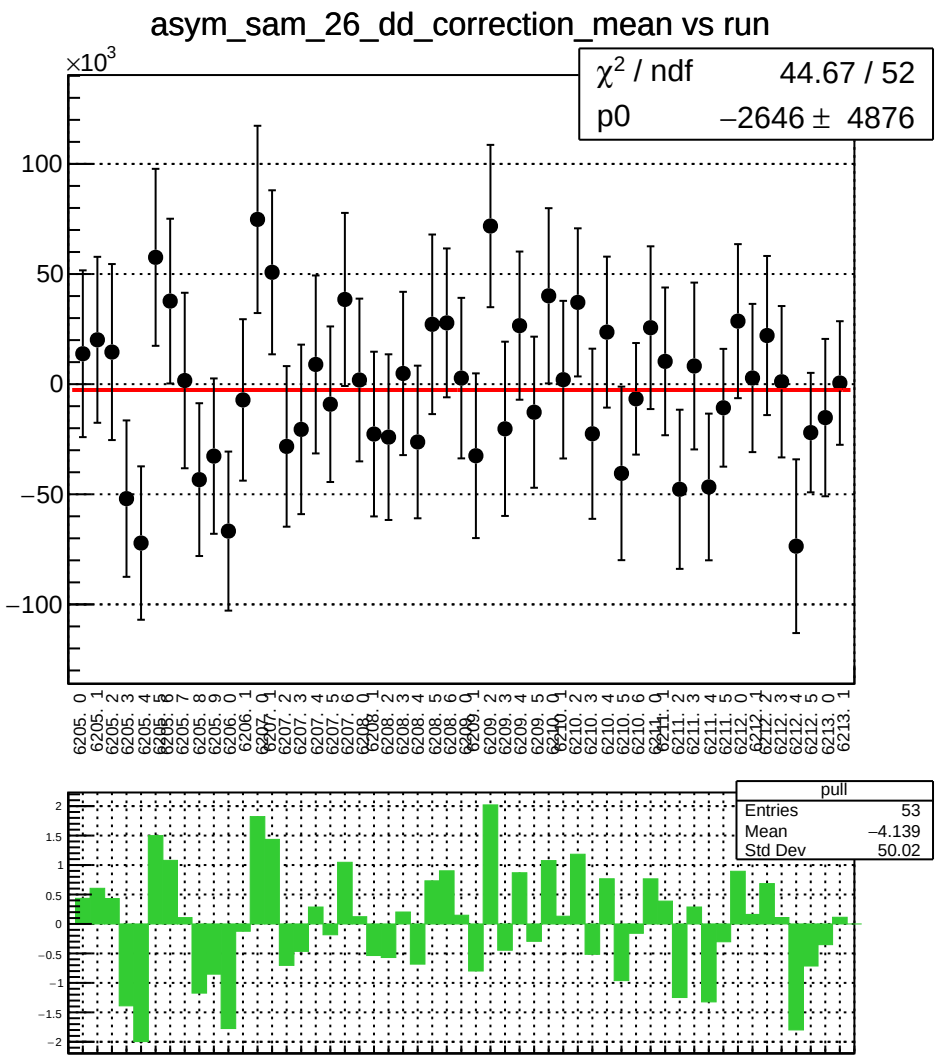

pull1D
Entries 53
Mean −0.005884
Std Dev 0.9766

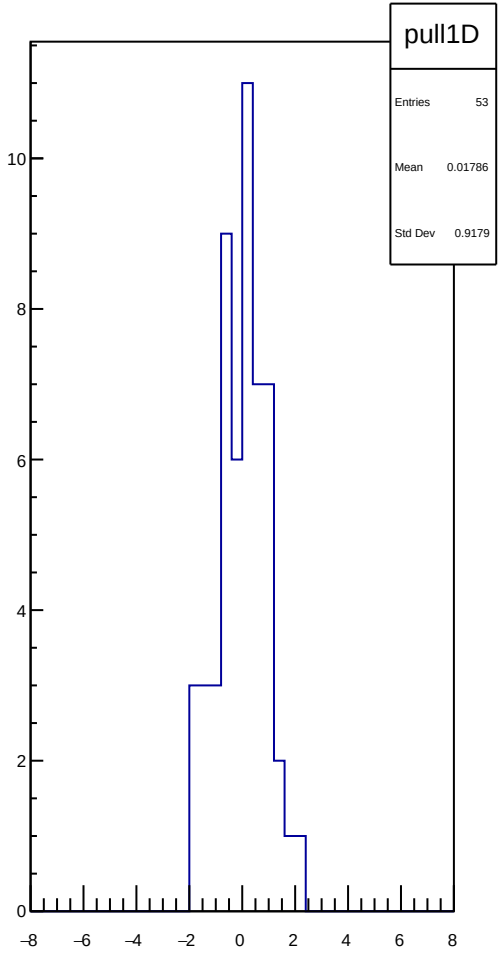

asym_sam_15_dd_rms vs run
χ² / ndf 2018 / 52
p0 1033 ± 1.021
1200
1150
1100
1050
1000
950
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 9
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

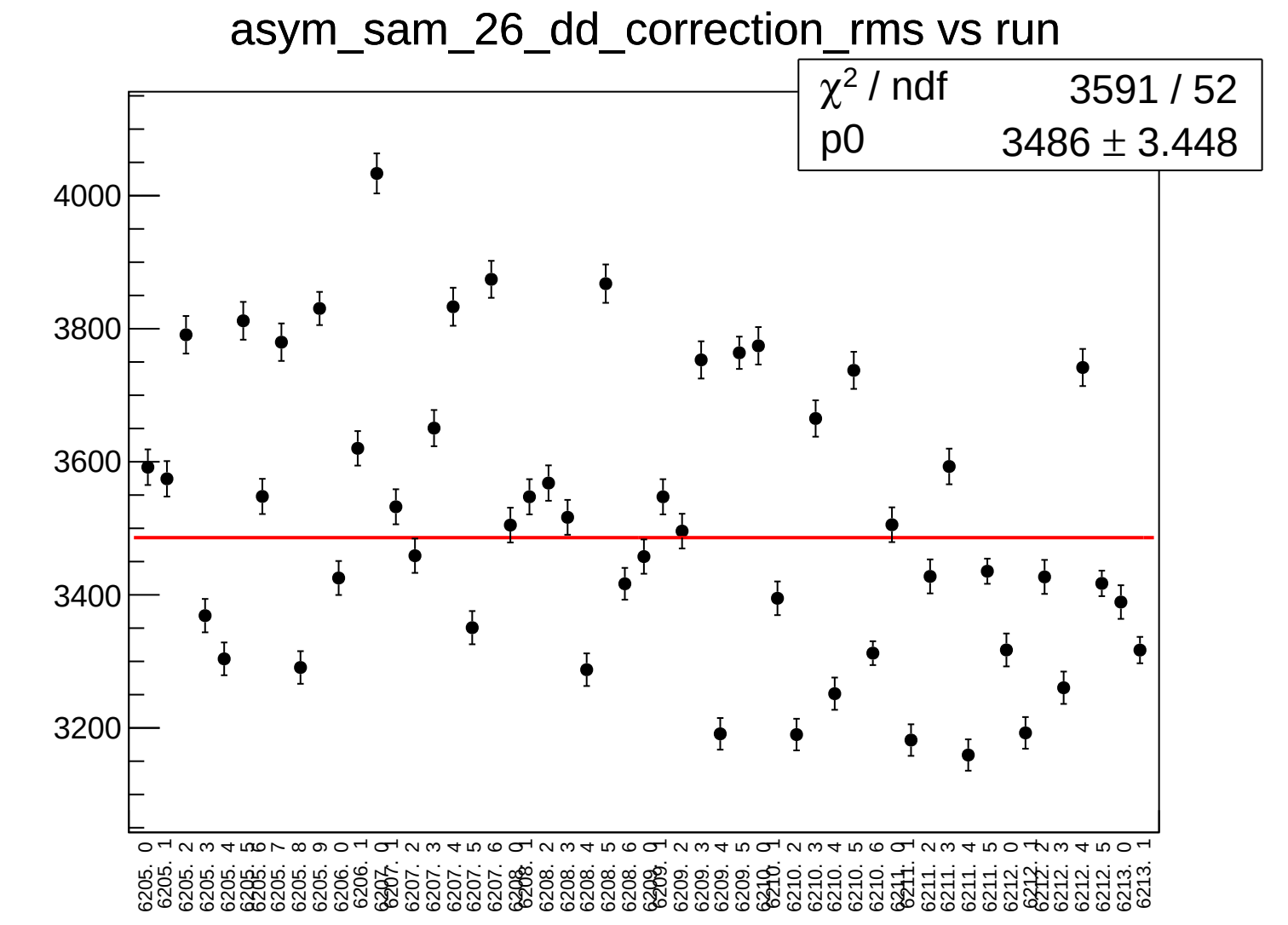

dit_asym_sam_26_dd_mean vs run
χ² / ndf 56.96 / 52
p0 −8.321± 295
pull
Entries 53
Mean −1.573e+04
Std Dev 1.575e+04

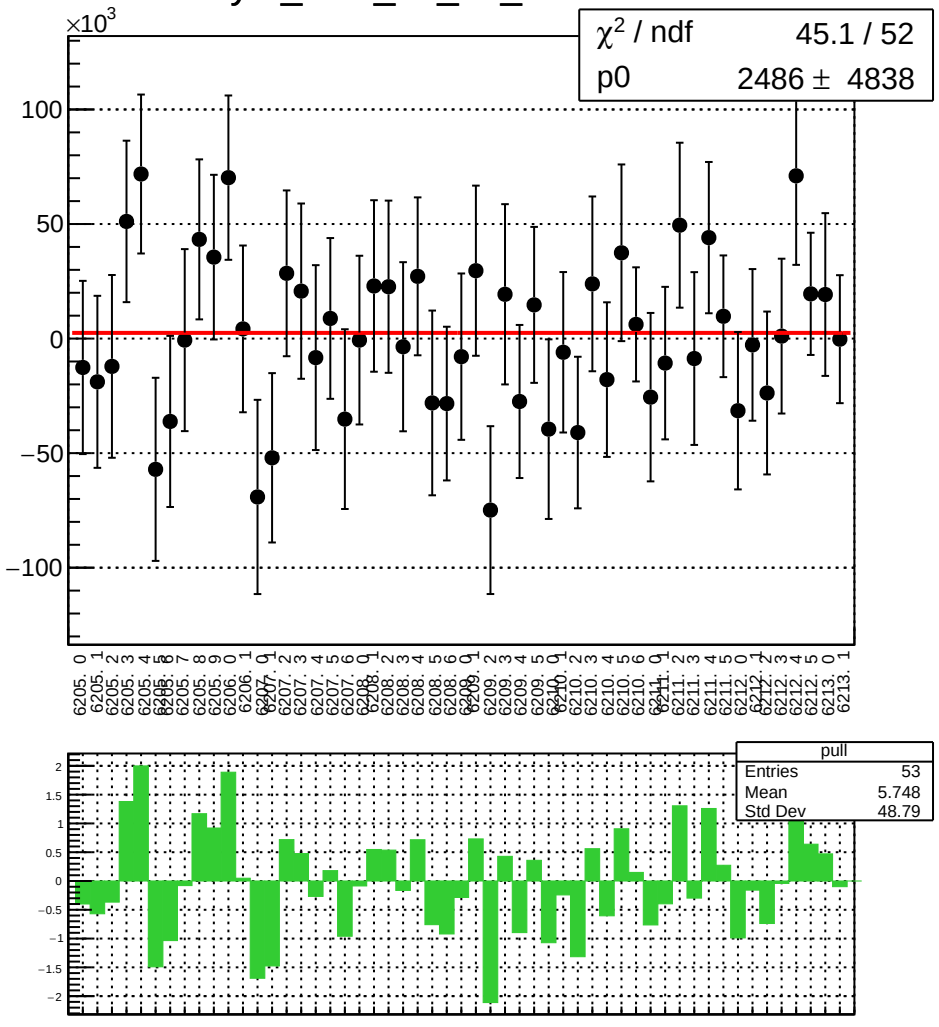

pull1D
Entries 53
Mean 0.0002545
Std Dev 1.037

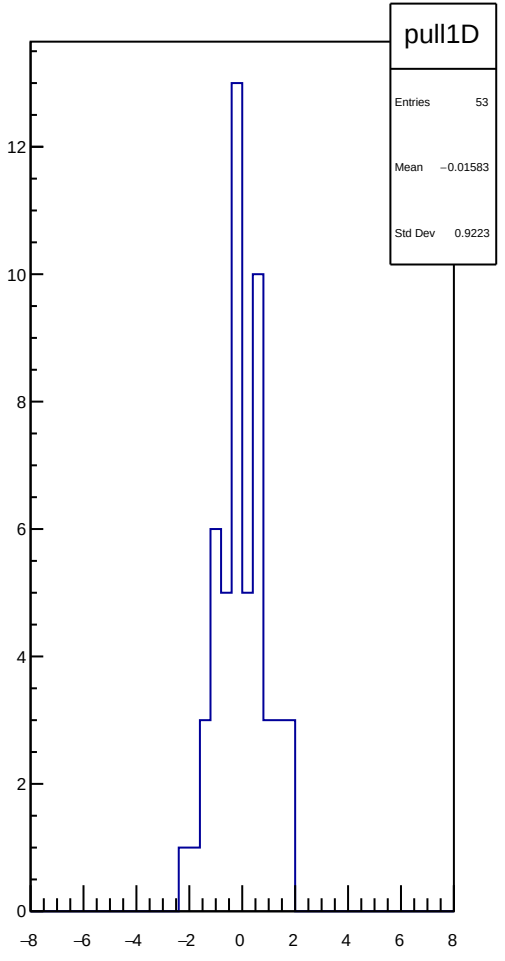

dit_asym_sam_26_dd_rms vs run
χ² / ndf 1208 / 52
p0 211.1 ± 0.2086
230
225
220
215
210
205
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

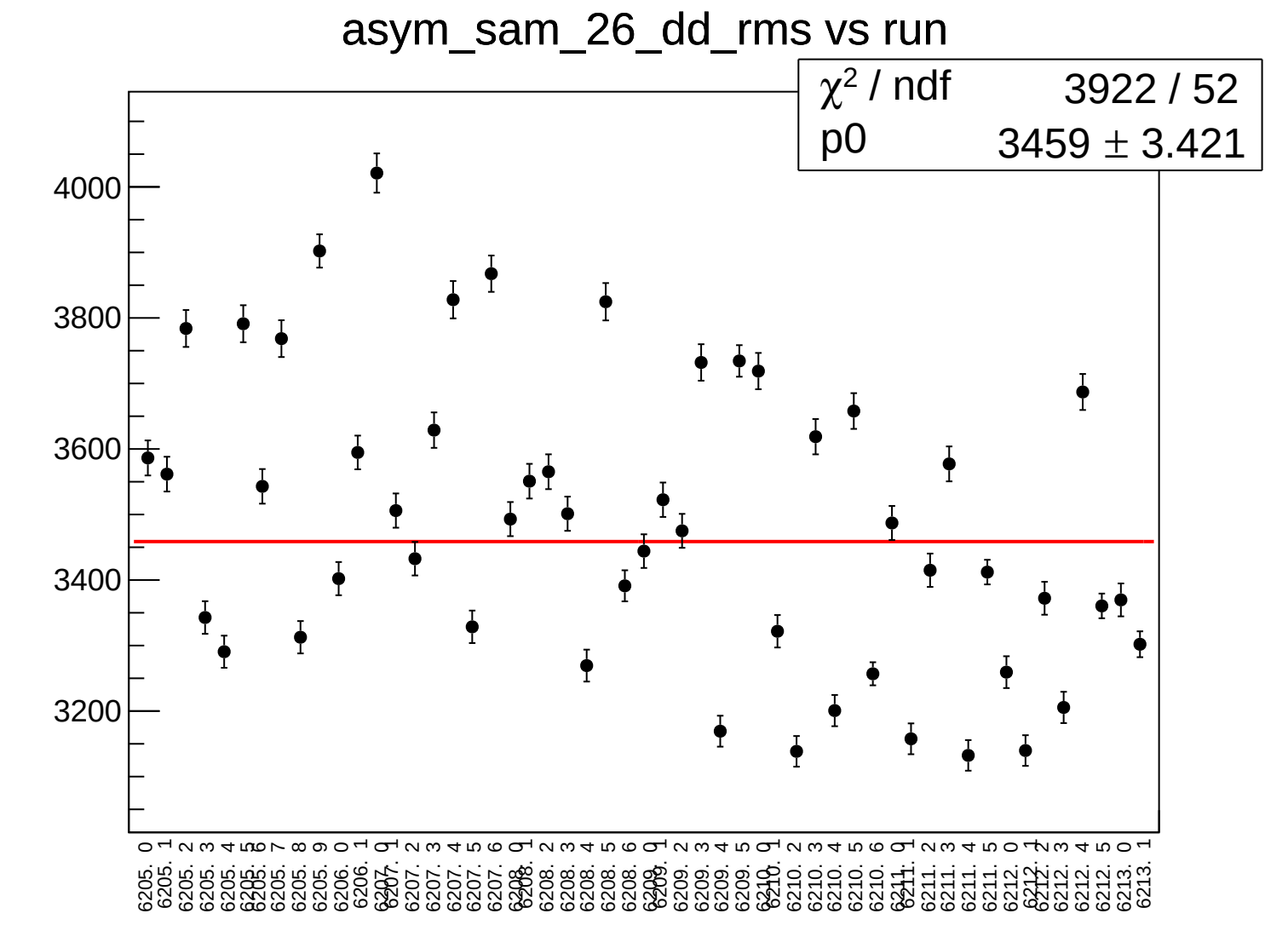

asym_sam_26_dd_correction_mean vs run
χ² / ndf 44.67 / 52
p0 −2646 ± 4876
×10³
100
50
0
−50
−100
pull
Entries 53
Mean −4.139
Std Dev 50.02
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

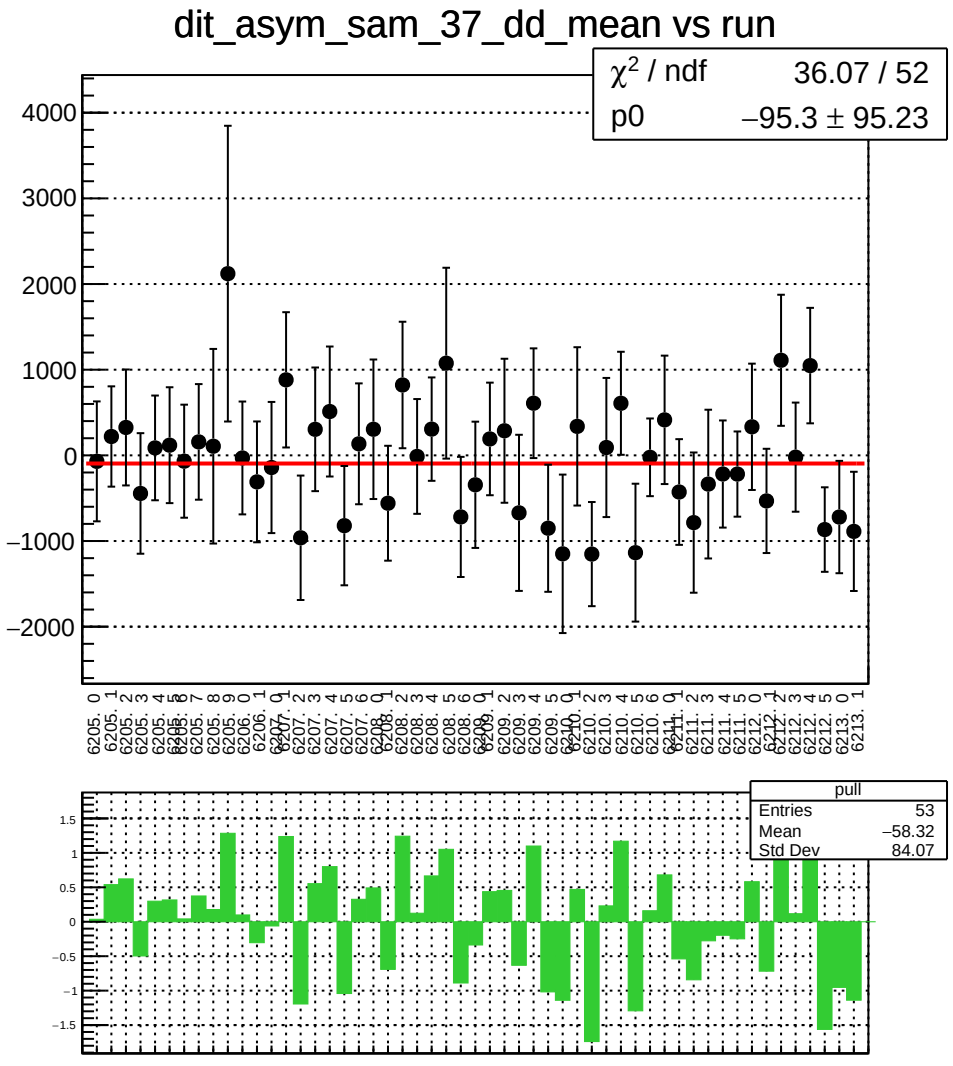

pull1D
Entries 53
Mean 0.01786
Std Dev 0.9179
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

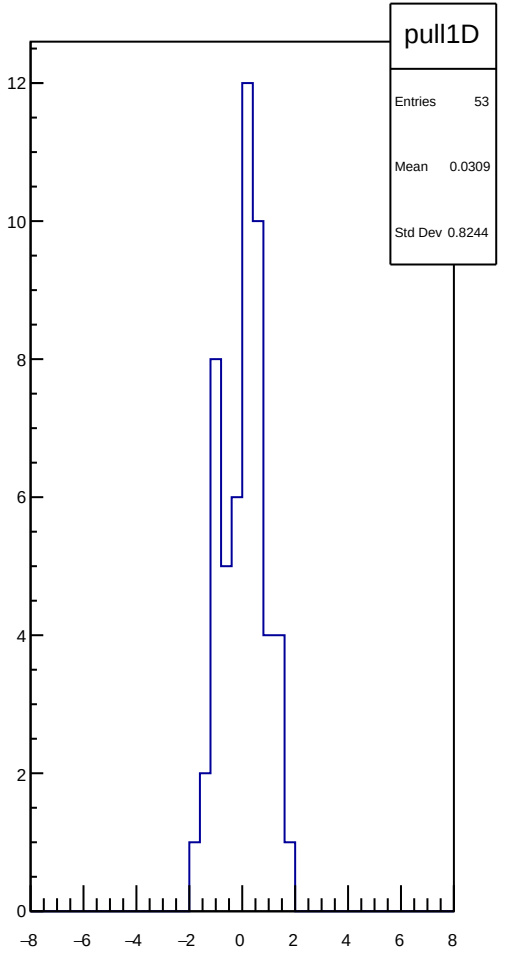

asym_sam_26_dd_correction_rms vs run
χ² / ndf 3591 / 52
p0 3486 ± 3.448
4000
3800
3600
3400
3200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 9
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

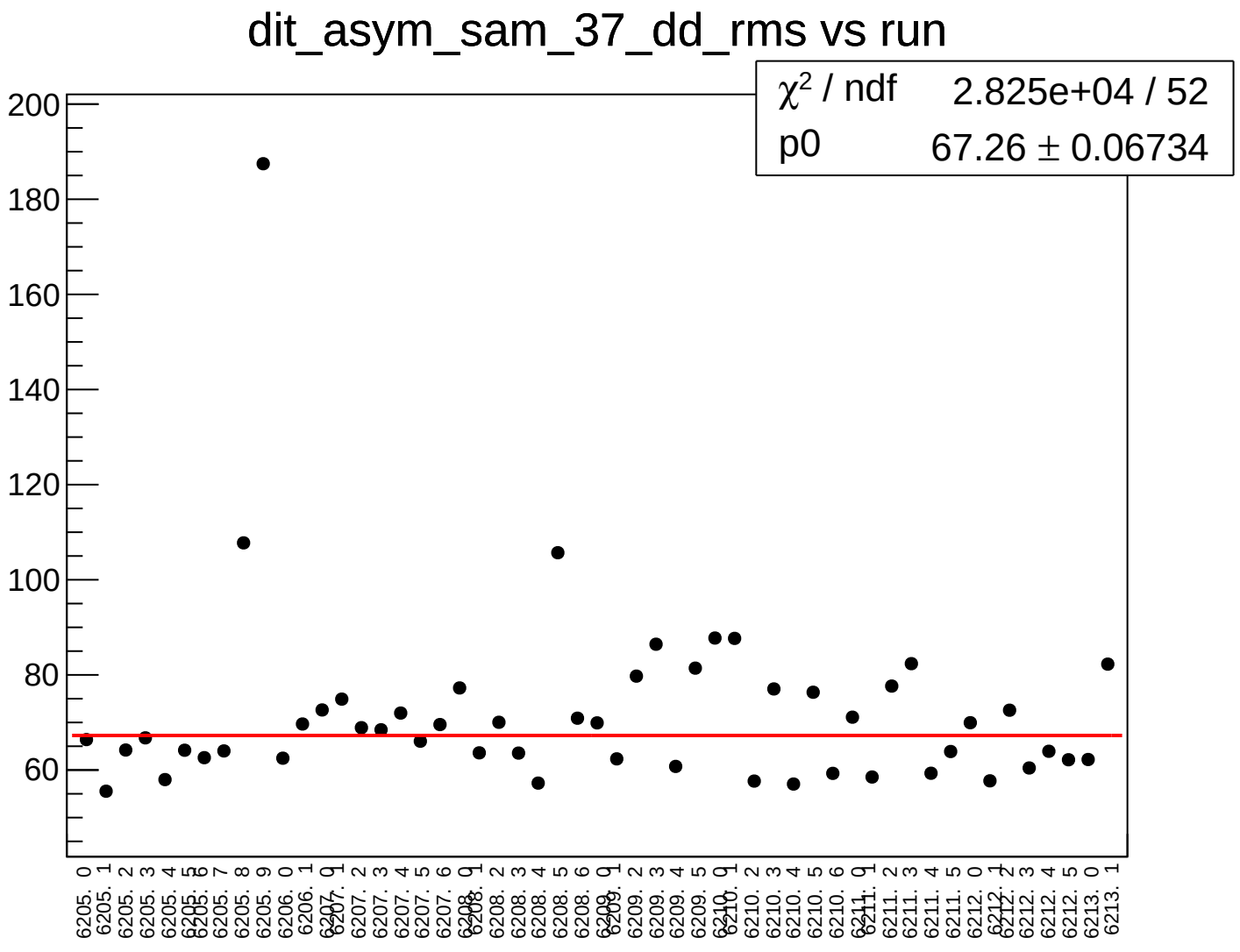

asym_sam_26_dd_mean vs run
×10^3
χ² / ndf 45.1 / 52
p0 2486 ± 4838
100
50
0
−50
−100
pull
Entries 53
Mean 5.748
Std Dev 48.79
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

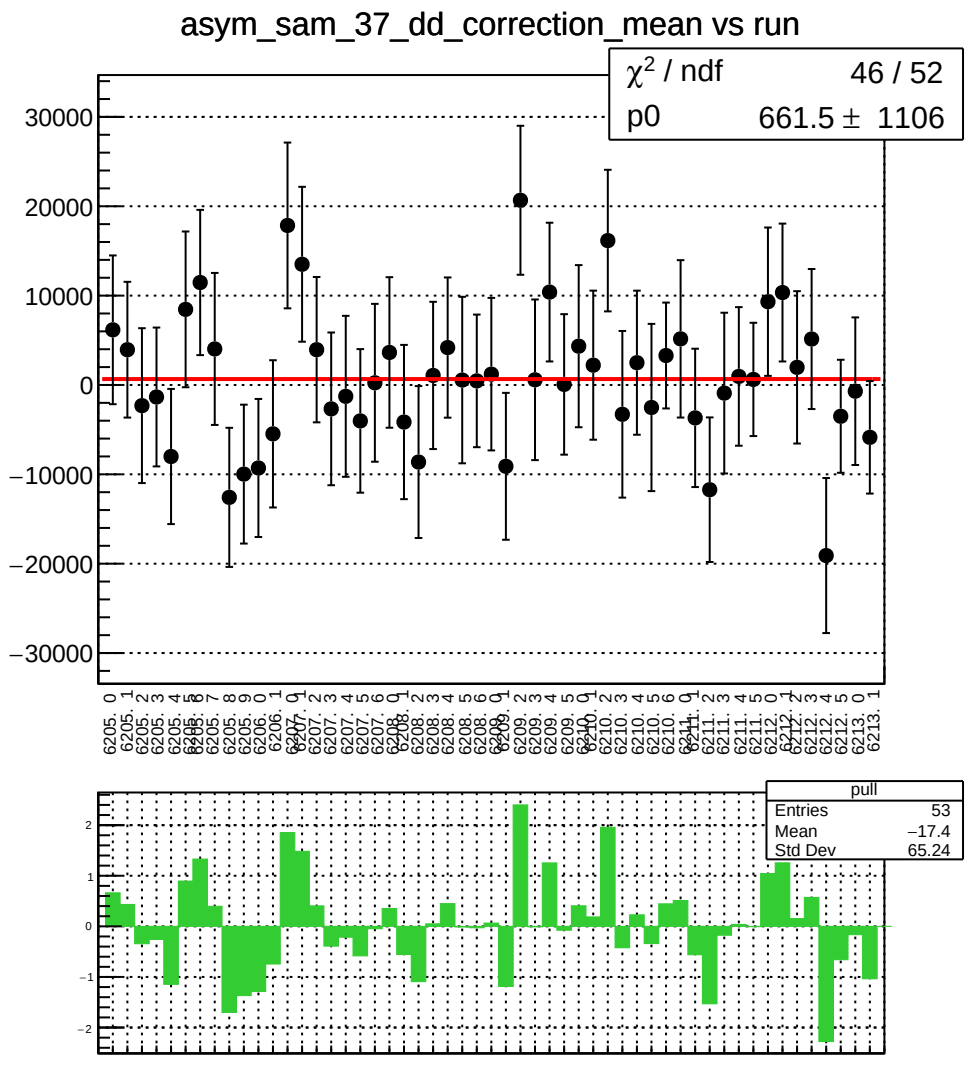

pull1D
Entries 53
Mean −0.01583
Std Dev 0.9223
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

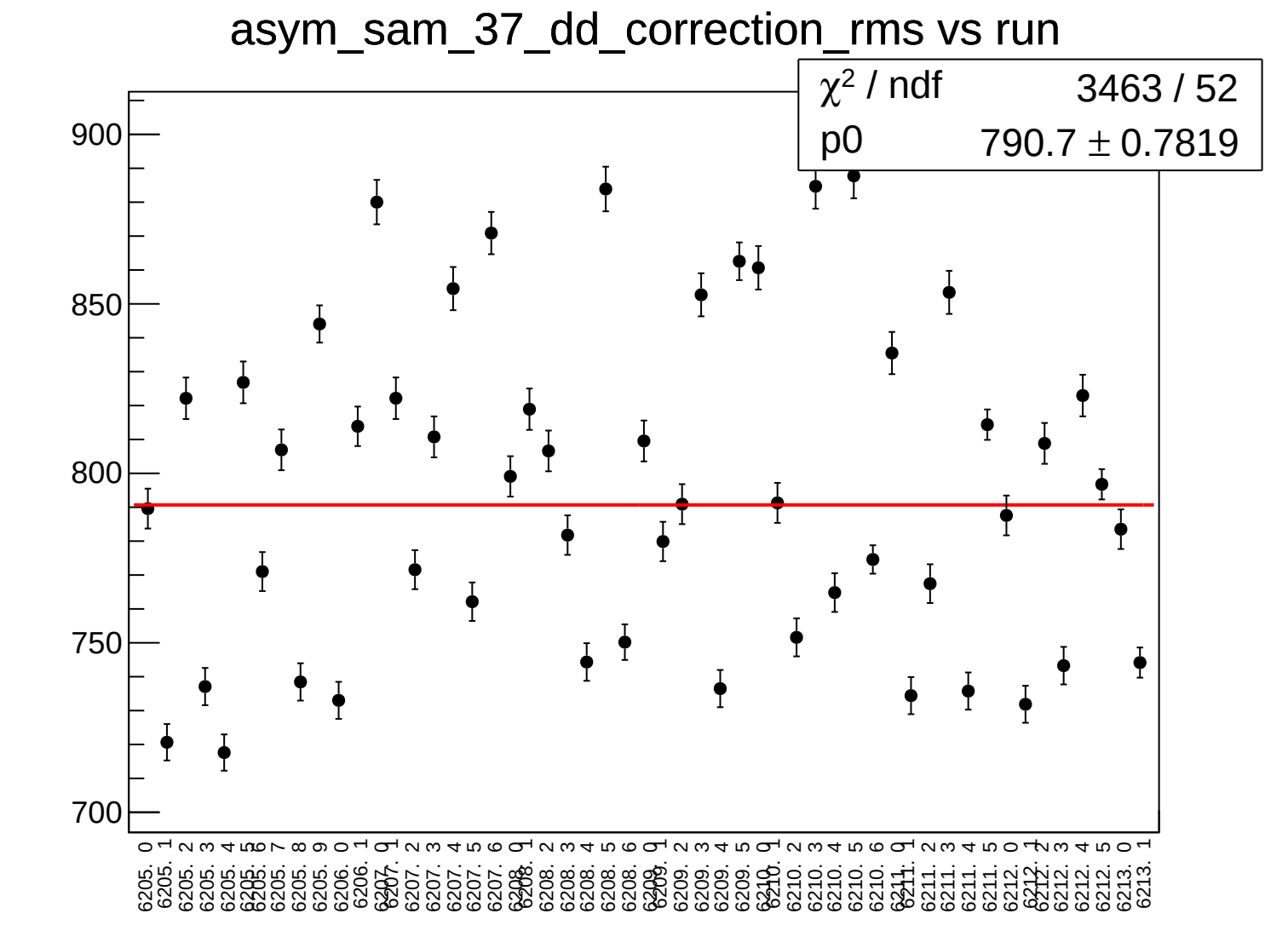

asym_sam_26_dd_rms vs run
χ² / ndf 3922 / 52
p0 3459 ± 3.421
4000
3800
3600
3400
3200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 9
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

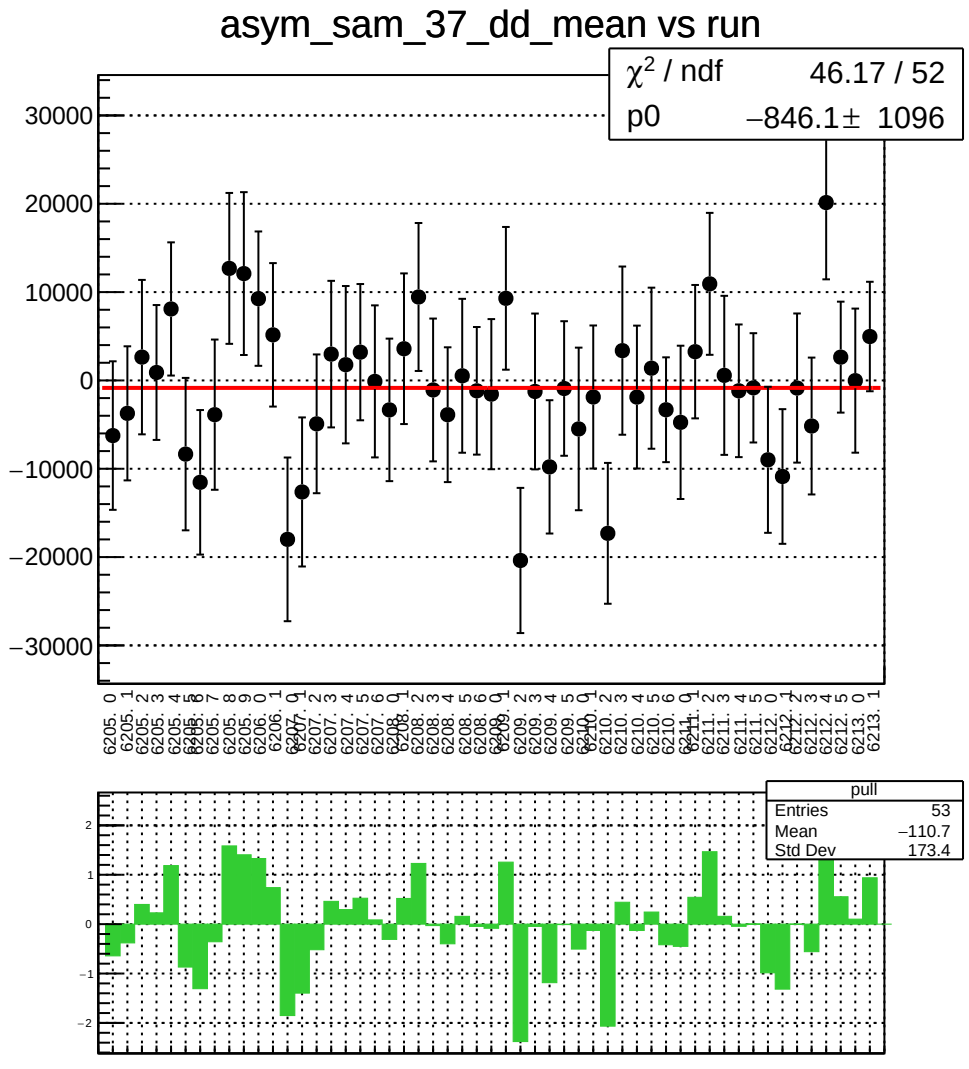

dit_asym_sam_37_dd_mean vs run
χ² / ndf 36.07 / 52
p0 −95.3 ± 95.23
pull
Entries 53
Mean −58.32
Std Dev 84.07

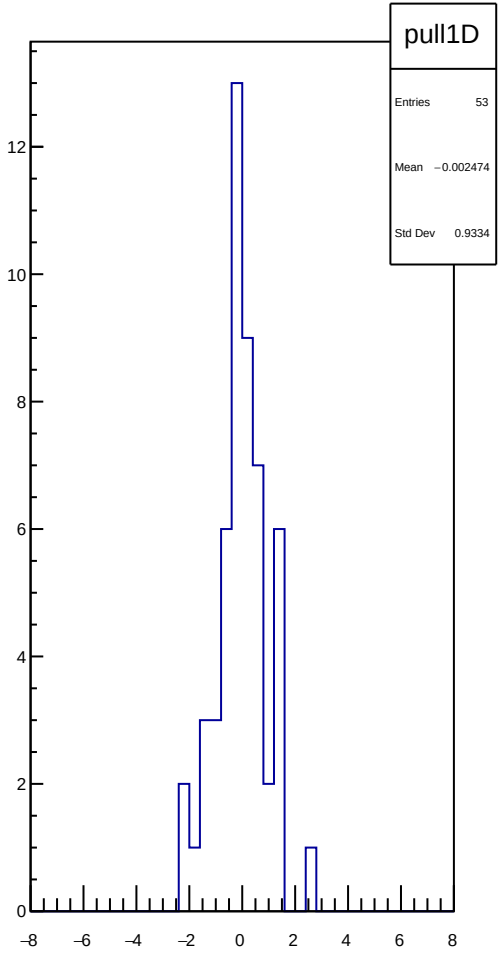

pull1D
Entries 53
Mean 0.0309
Std Dev 0.8244

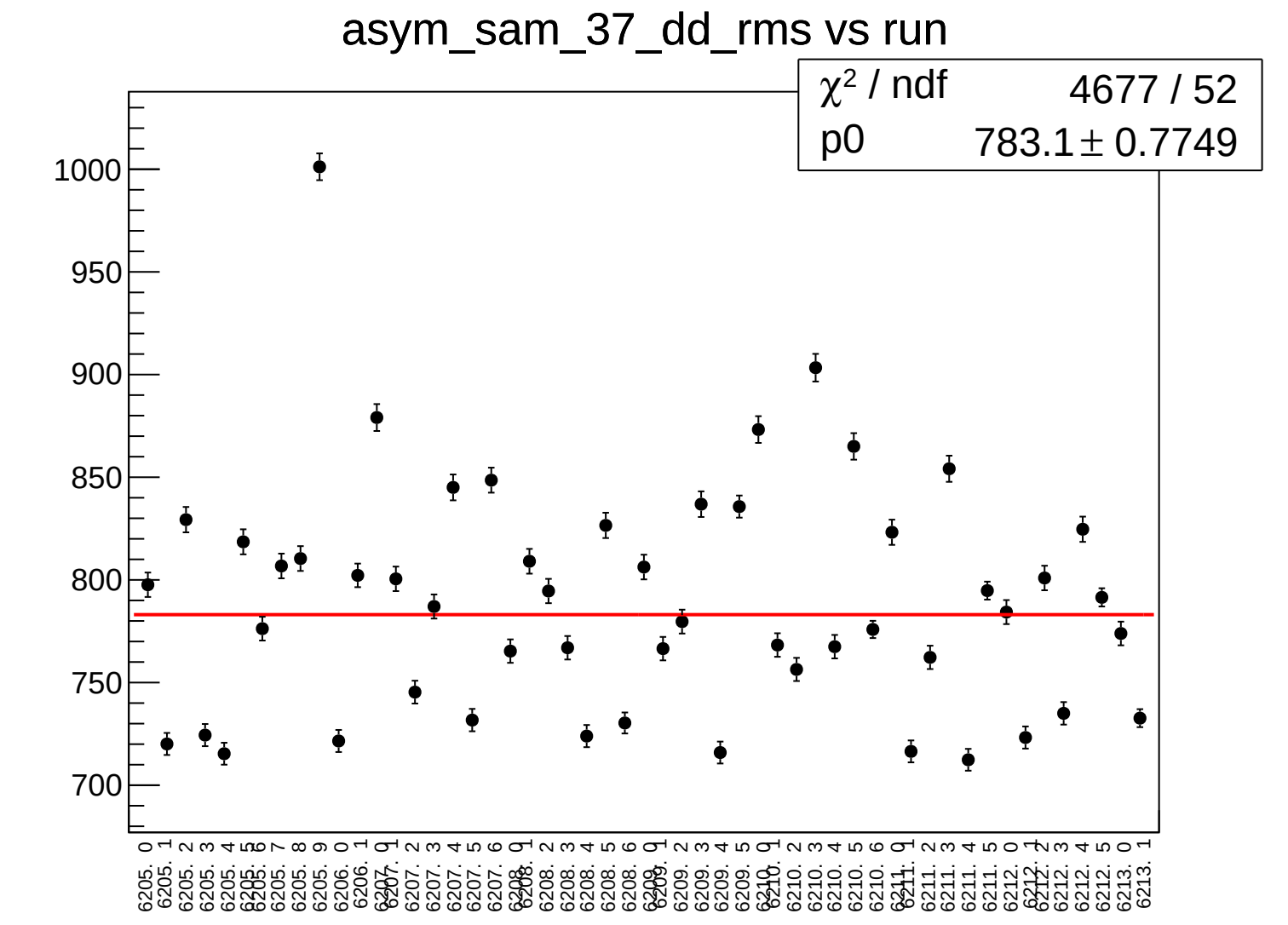

dit_asym_sam_37_dd_rms vs run
χ² / ndf 2.825e+04 / 52
p0 67.26 ± 0.06734
200
180
160
140
120
100
80
60
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

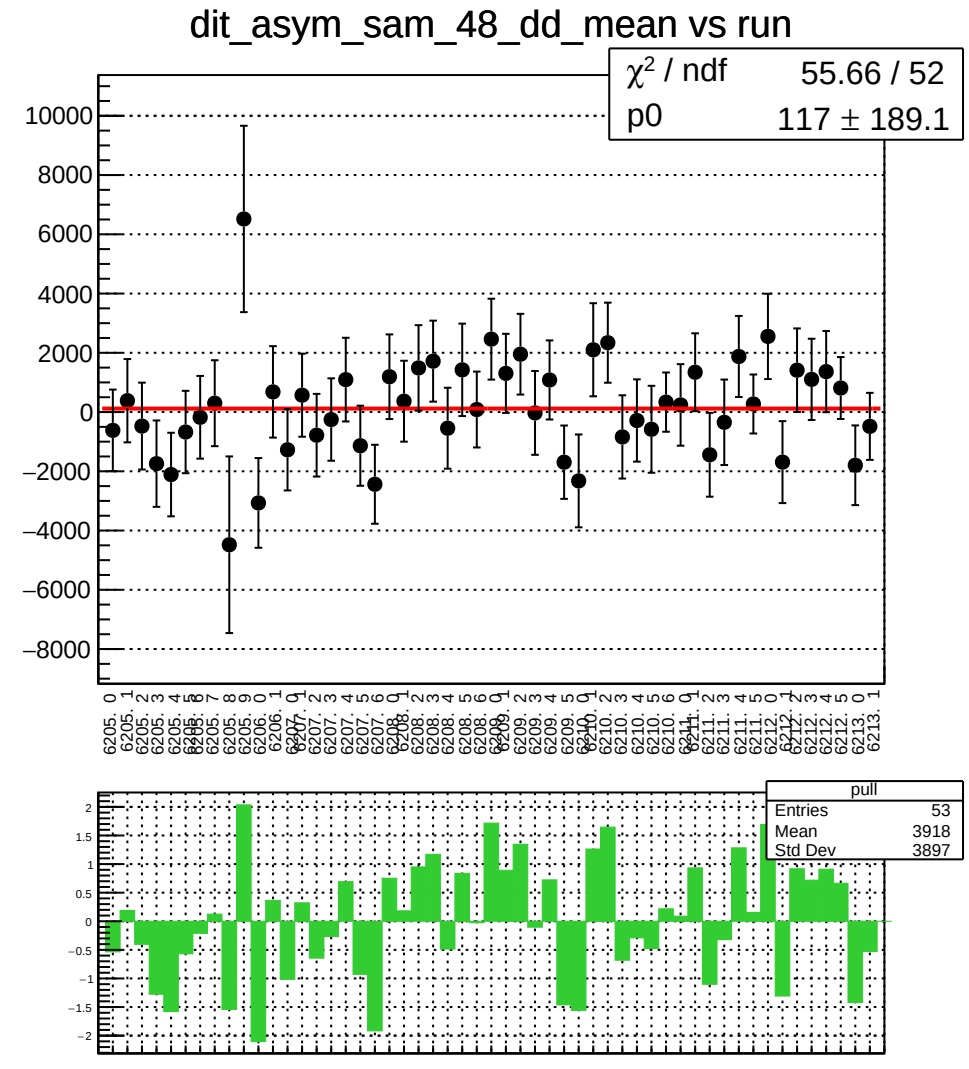

asym_sam_37_dd_correction_mean vs run
χ² / ndf 46 / 52
p0 661.5 ± 1106
30000
20000
10000
0
−10000
−20000
−30000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6207. 7
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 7
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6209. 6
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6210. 7
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1
pull
Entries 53
Mean −17.4
Std Dev 65.24
2
1
0
−1
−2
pull1D
Entries 53
Mean 0.01132
Std Dev 0.9316
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

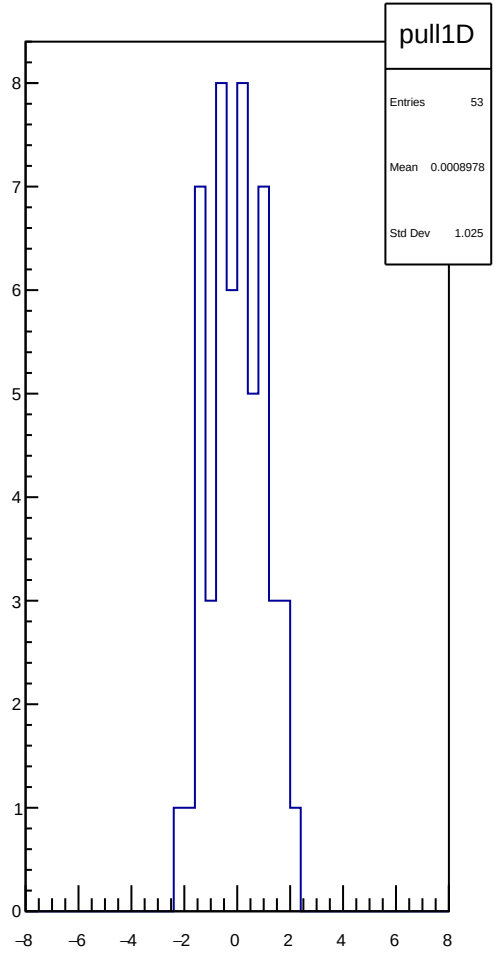

asym_sam_37_dd_correction_rms vs run
χ² / ndf 3463 / 52
p0 790.7 ± 0.7819
900
850
800
750
700
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

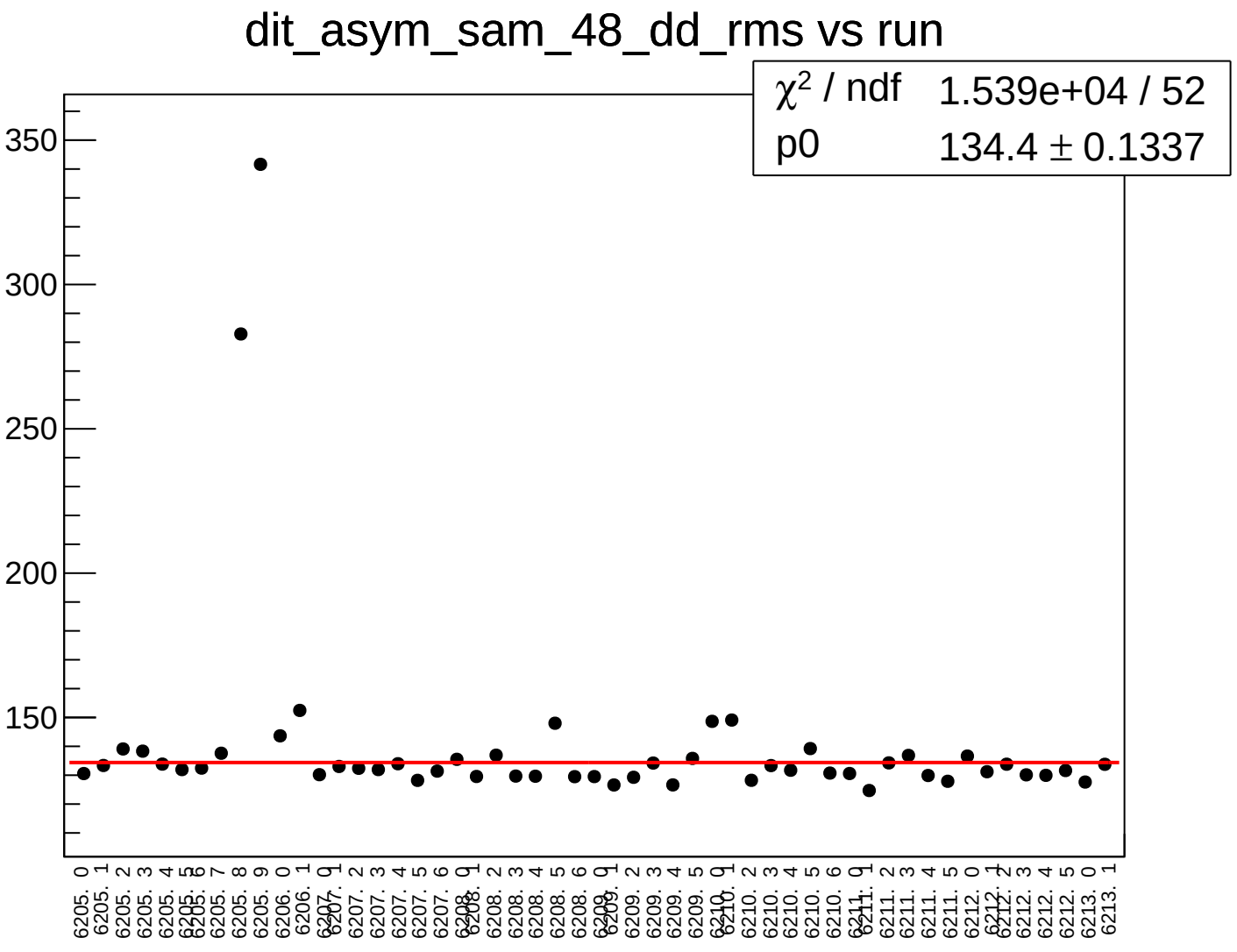

asym_sam_37_dd_mean vs run
χ² / ndf 46.17 / 52
p0 −846.1± 1096
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 53
Mean −110.7
Std Dev 173.4
2
1
0
−1
−2

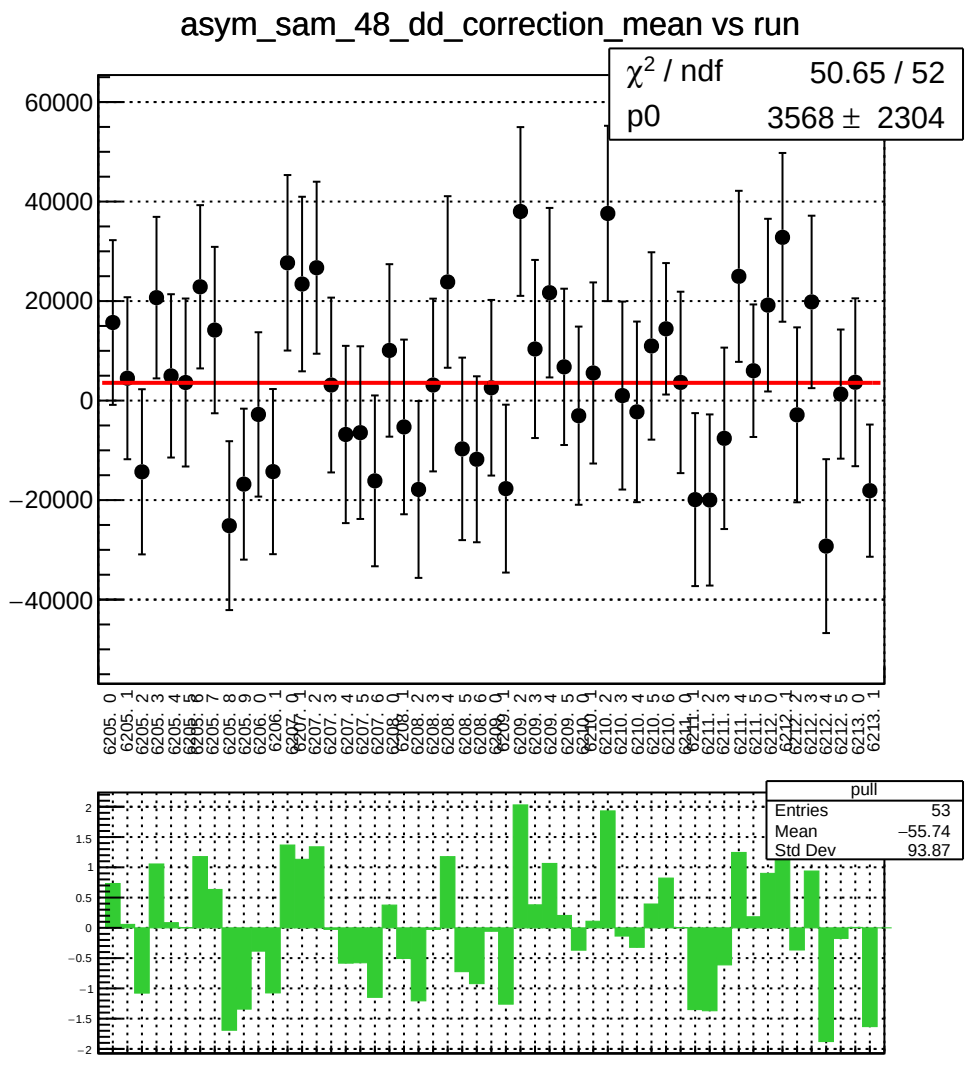

pull1D
Entries 53
Mean −0.002474
Std Dev 0.9334
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

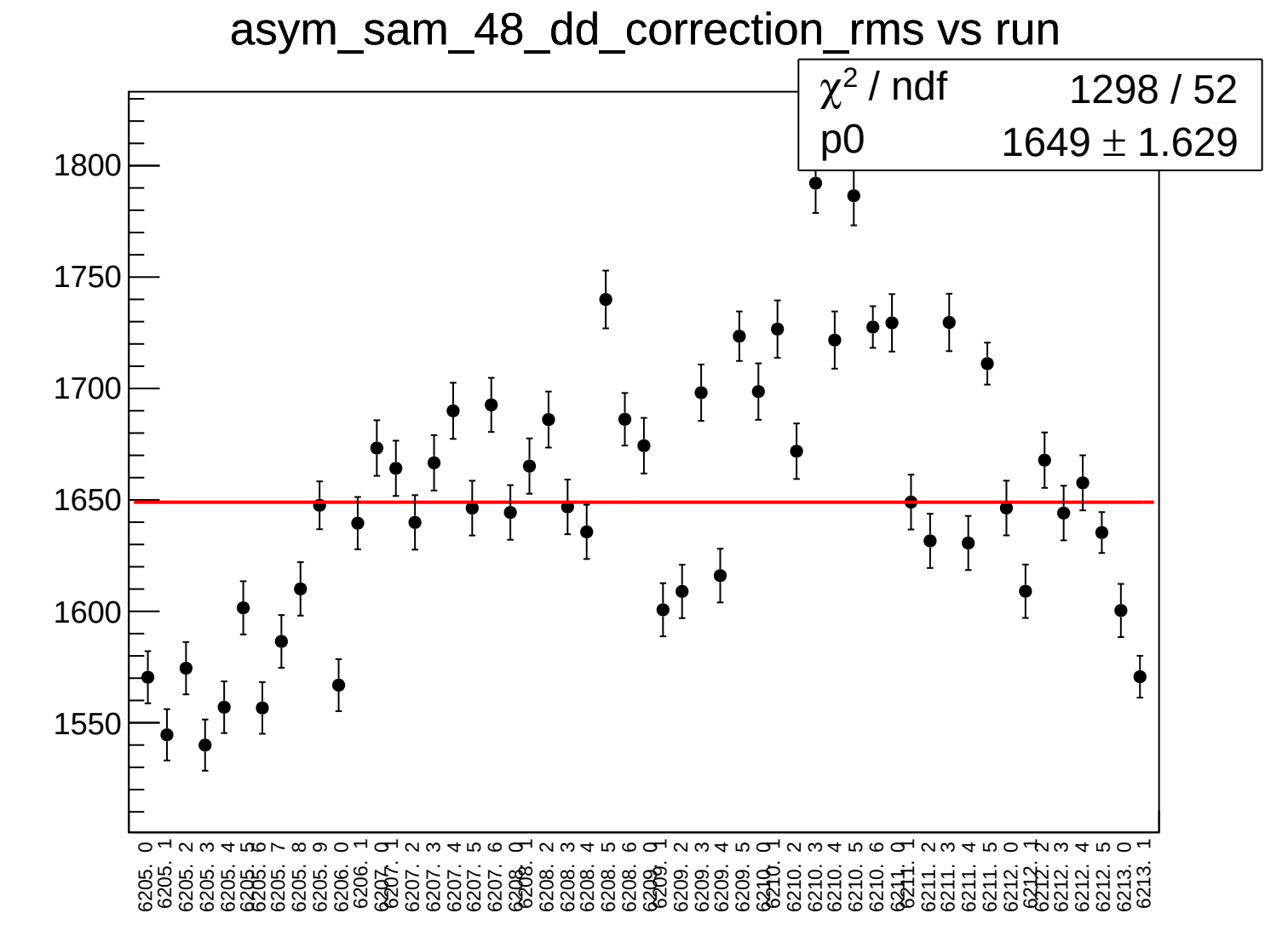

asym_sam_37_dd_rms vs run
χ² / ndf 4677 / 52
p0 783.1 ± 0.7749
1000
950
900
850
800
750
700
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6206. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

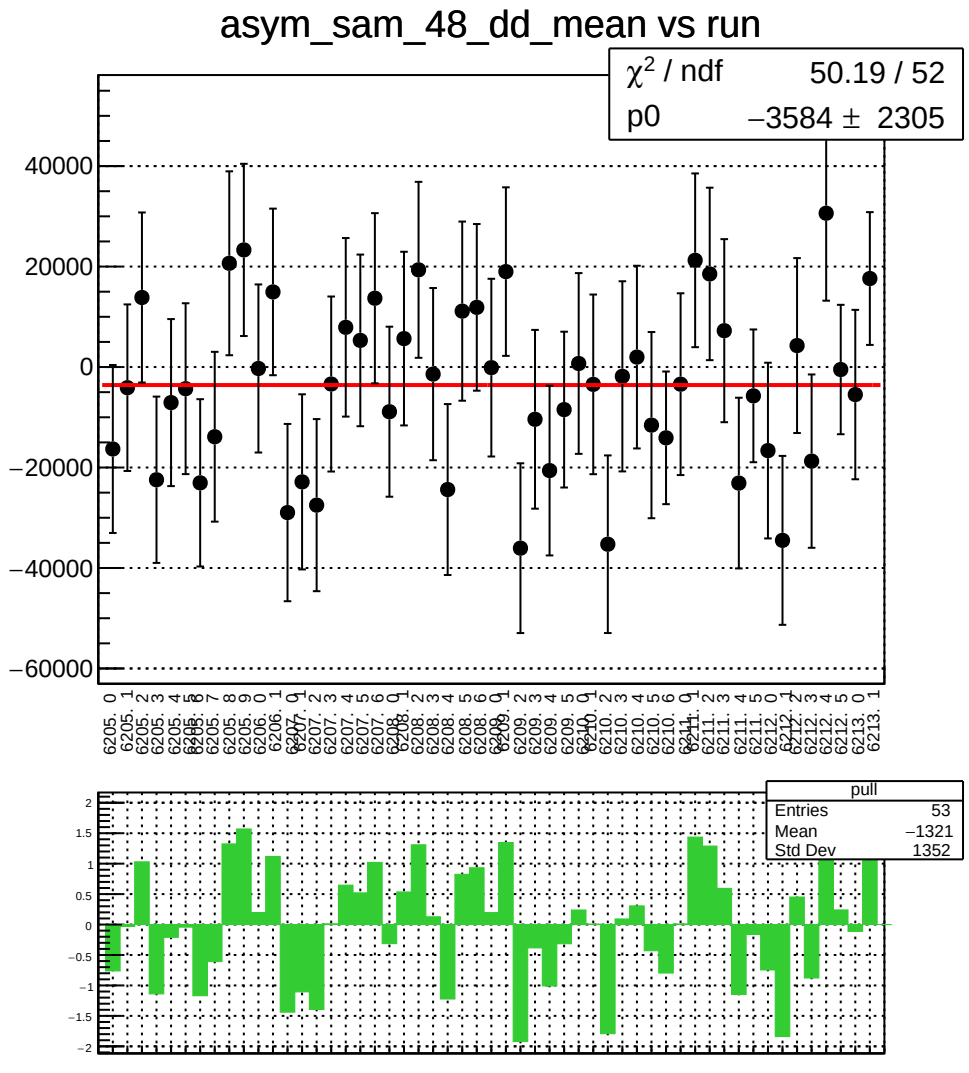

dit_asym_sam_48_dd_mean vs run
χ² / ndf 55.66 / 52
p0 117 ± 189.1
pull
Entries 53
Mean 3918
Std Dev 3897

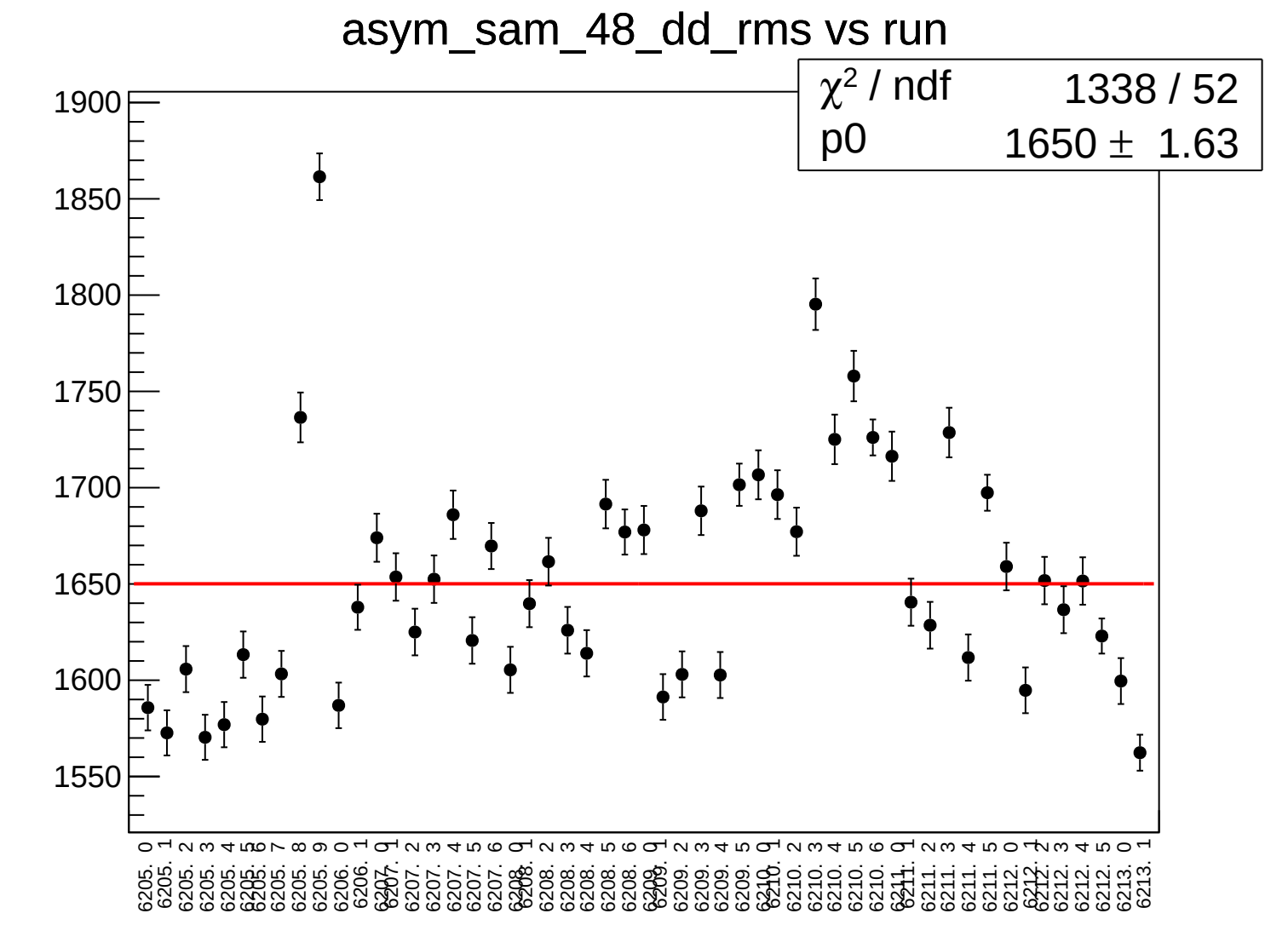

pull1D
Entries 53
Mean 0.0008978
Std Dev 1.025

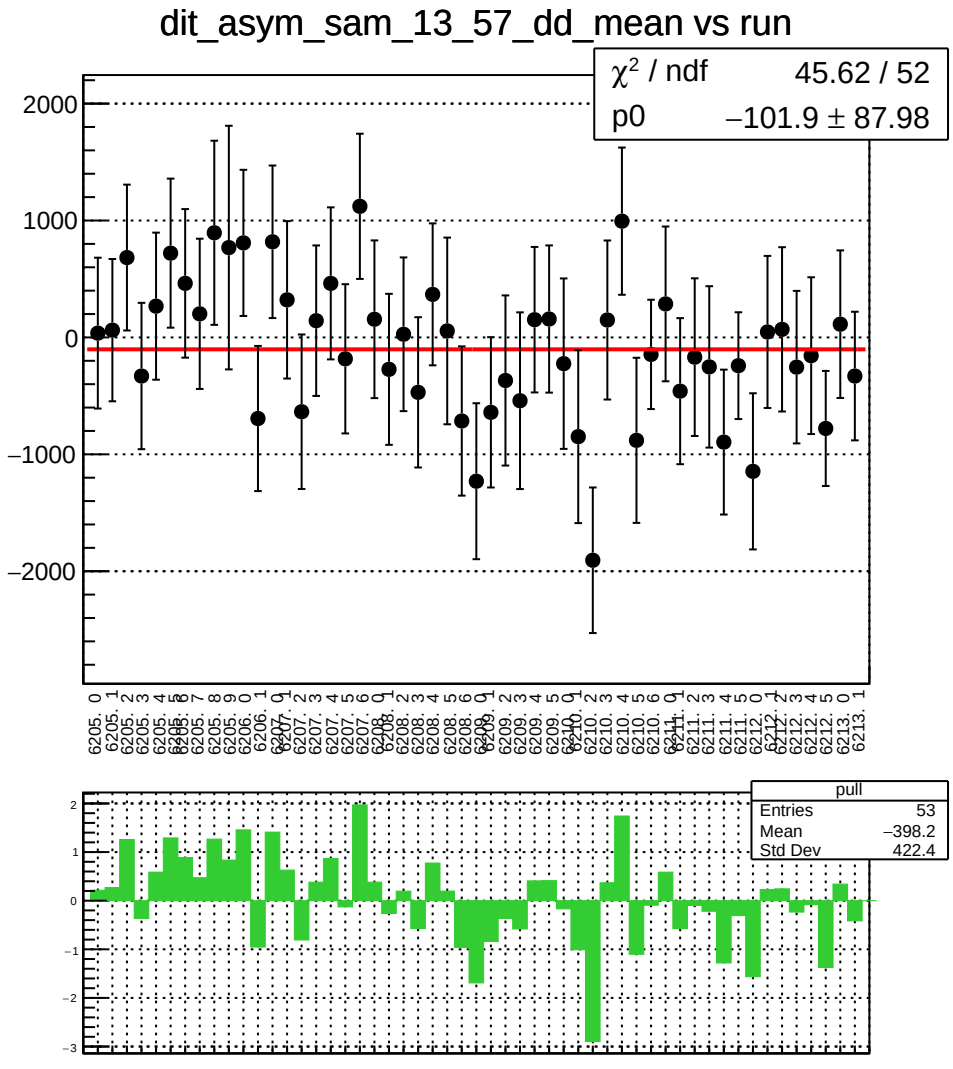

dit_asym_sam_48_dd_rms vs run
χ² / ndf 1.539e+04 / 52
p0 134.4 ± 0.1337
350
300
250
200
150
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

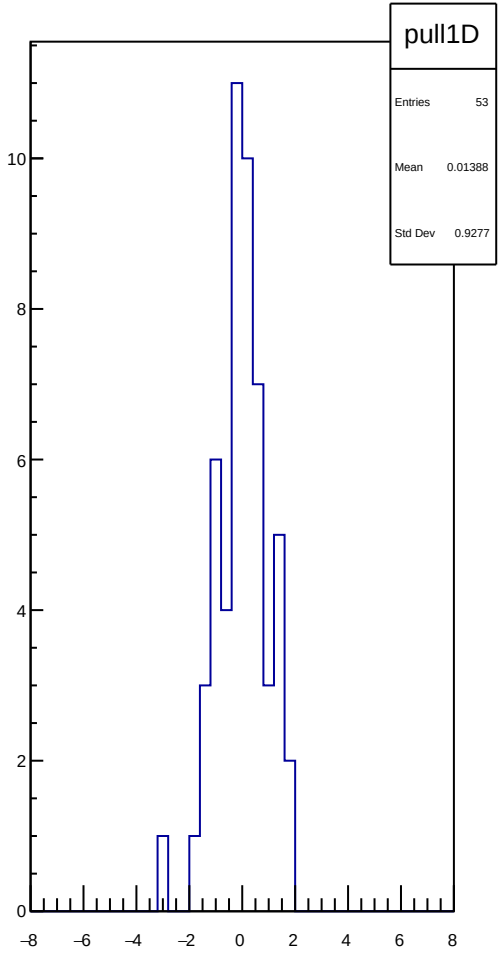

asym_sam_48_dd_correction_mean vs run
χ² / ndf 50.65 / 52
p0 3568 ± 2304
60000
40000
20000
0
−20000
−40000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6207. 7
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 7
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6209. 6
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6210. 7
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6211. 6
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1
pull
Entries 53
Mean −55.74
Std Dev 93.87
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 53
Mean 0.004992
Std Dev 0.9775
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

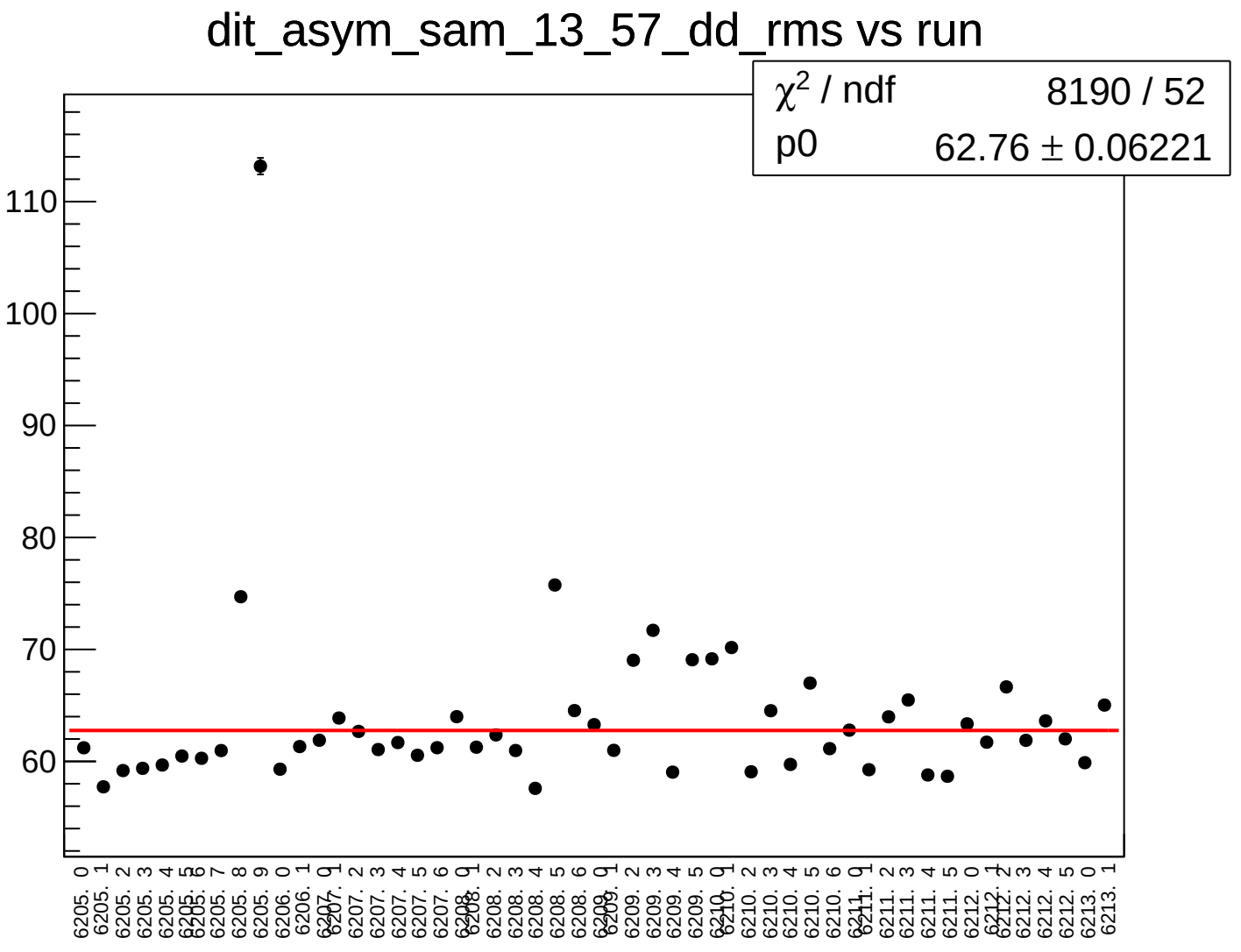

asym_sam_48_dd_correction_rms vs run
χ² / ndf 1298 / 52
p0 1649 ± 1.629
1800
1750
1700
1650
1600
1550
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6206. 2
6206. 3
6206. 4
6206. 5
6206. 6
6206. 7
6206. 8
6206. 9
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6207. 7
6207. 8
6207. 9
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 7
6208. 8
6208. 9
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6209. 6
6209. 7
6209. 8
6209. 9
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6210. 7
6210. 8
6210. 9
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6211. 6
6211. 7
6211. 8
6211. 9
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1


asym_sam_48_dd_mean vs run
χ² / ndf 50.19 / 52
p0 −3584 ± 2305
40000
20000
0
−20000
−40000
−60000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6207. 7
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 7
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6209. 6
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6210. 7
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1
pull
Entries 53
Mean −1321
Std Dev 1352
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 53
Mean −0.0005615
Std Dev 0.9731
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_48_dd_rms vs run
χ² / ndf 1338 / 52
p0 1650 ± 1.63
1900
1850
1800
1750
1700
1650
1600
1550
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1


dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 45.62 / 52
p0 −101.9 ± 87.98
2000
1000
0
−1000
−2000
pull
Entries 53
Mean −398.2
Std Dev 422.4
2
1
0
−1
−2
−3


pull1D
Entries 53
Mean 0.01388
Std Dev 0.9277
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 8190 / 52
p0 62.76 ± 0.06221
110
100
90
80
70
60
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6206. 2
6206. 3
6206. 4
6206. 5
6206. 6
6206. 7
6206. 8
6206. 9
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6207. 7
6207. 8
6207. 9
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 7
6208. 8
6208. 9
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6209. 6
6209. 7
6209. 8
6209. 9
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6210. 7
6210. 8
6210. 9
6211. 0
6211. 1
6211. 2
6211. 3
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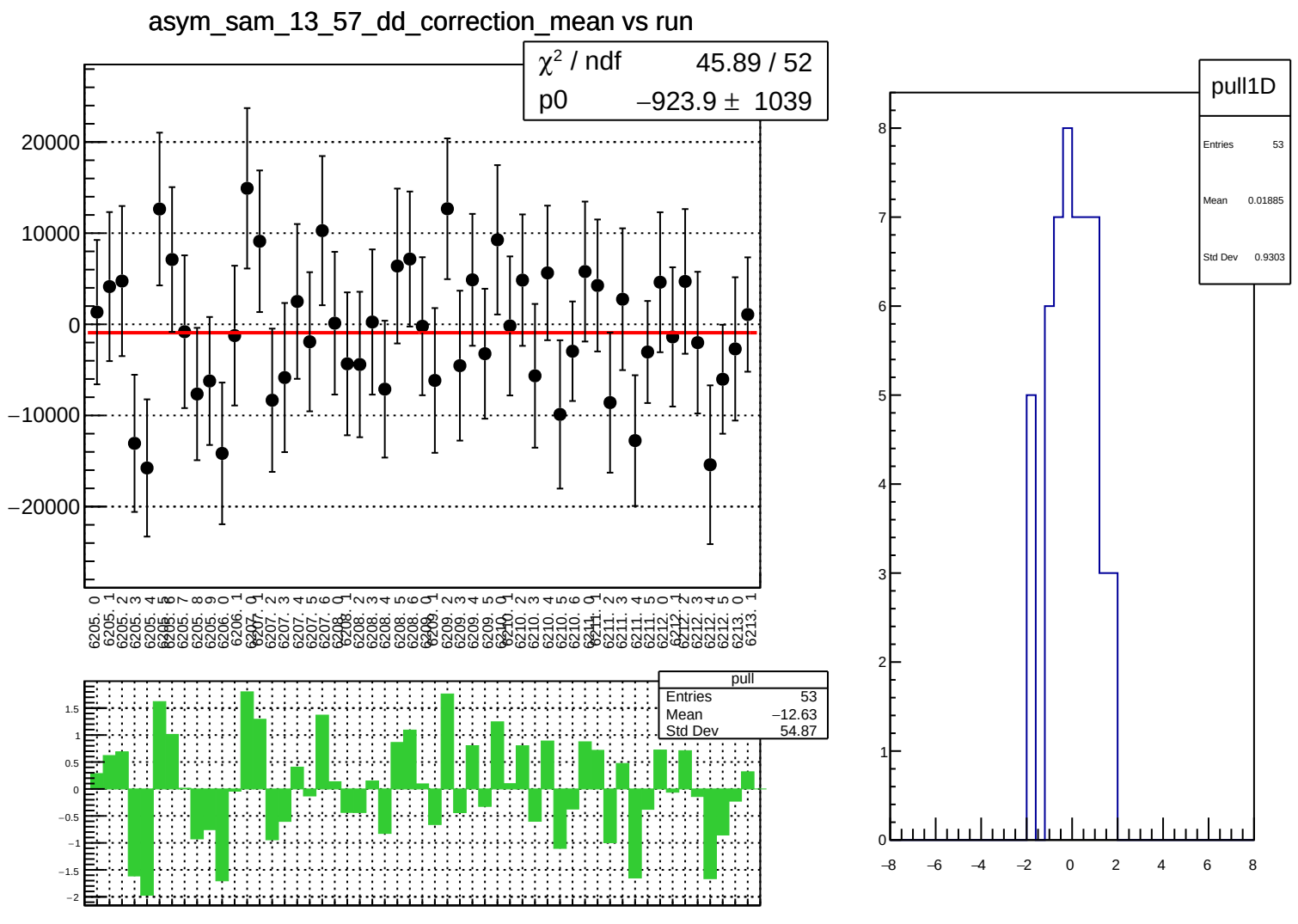
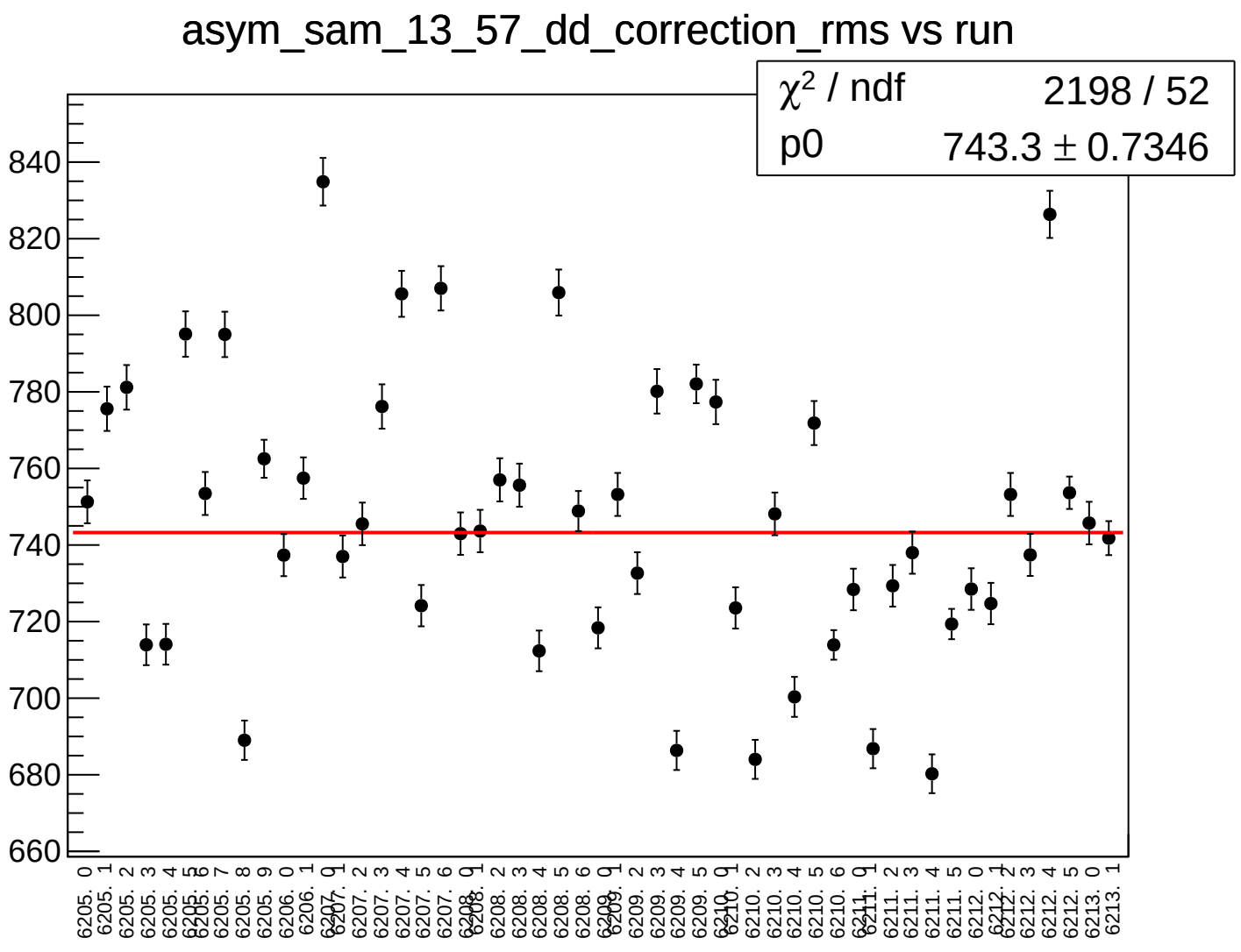
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1


asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 45.89 / 52
p0 −923.9 ± 1039
20000
10000
0
−10000
−20000
pull
Entries 53
Mean −12.63
Std Dev 54.87
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 53
Mean 0.01885
Std Dev 0.9303
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 2198 / 52
p0 743.3 ± 0.7346
840
820
800
780
760
740
720
700
680
660
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 2
6211. 3
6211. 4
6211. 5
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6212. 3
6212. 4
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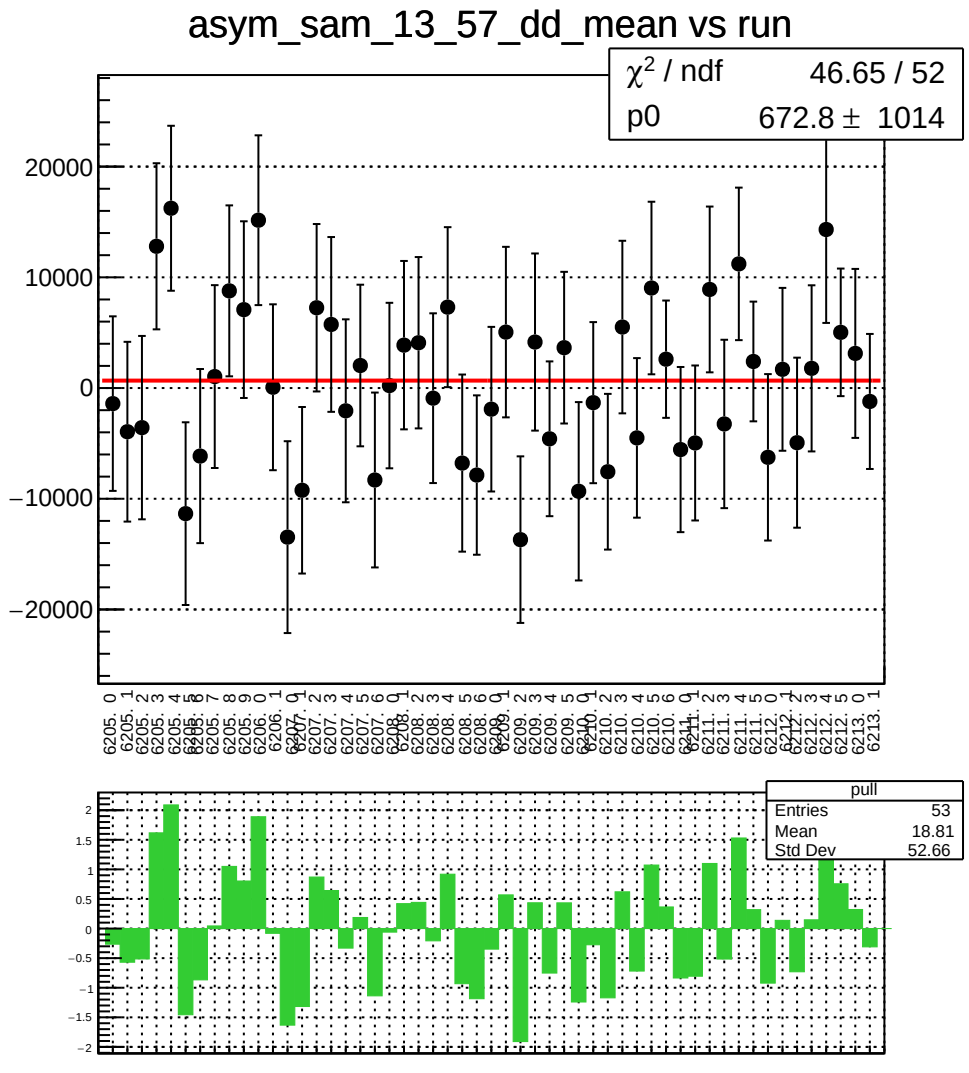
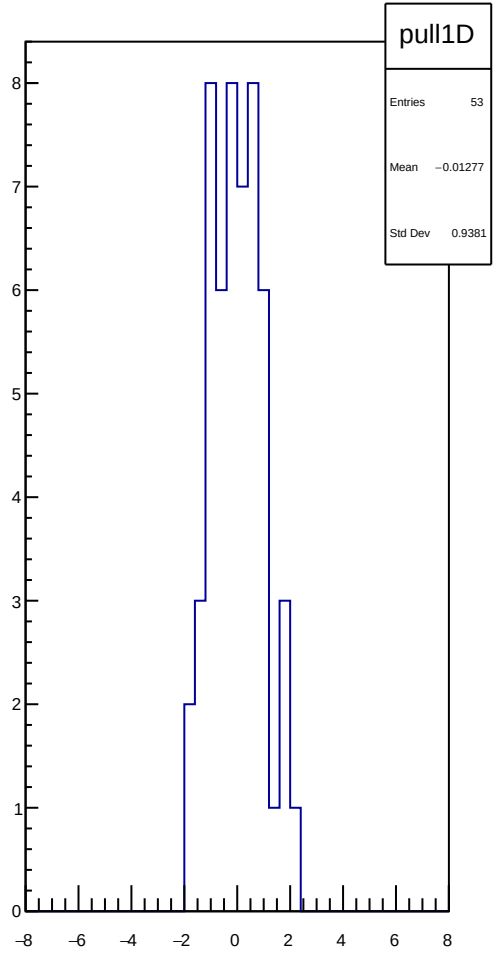
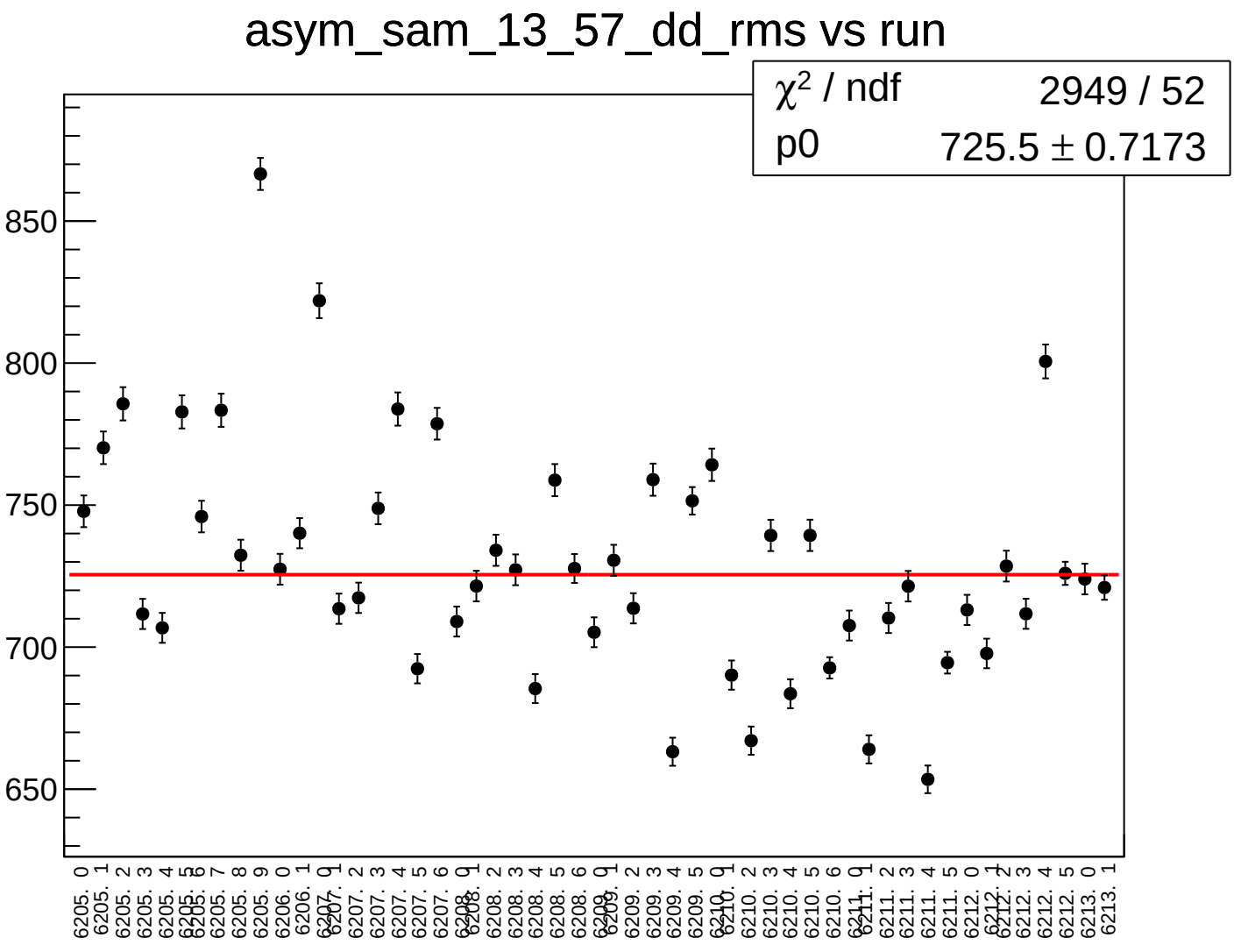
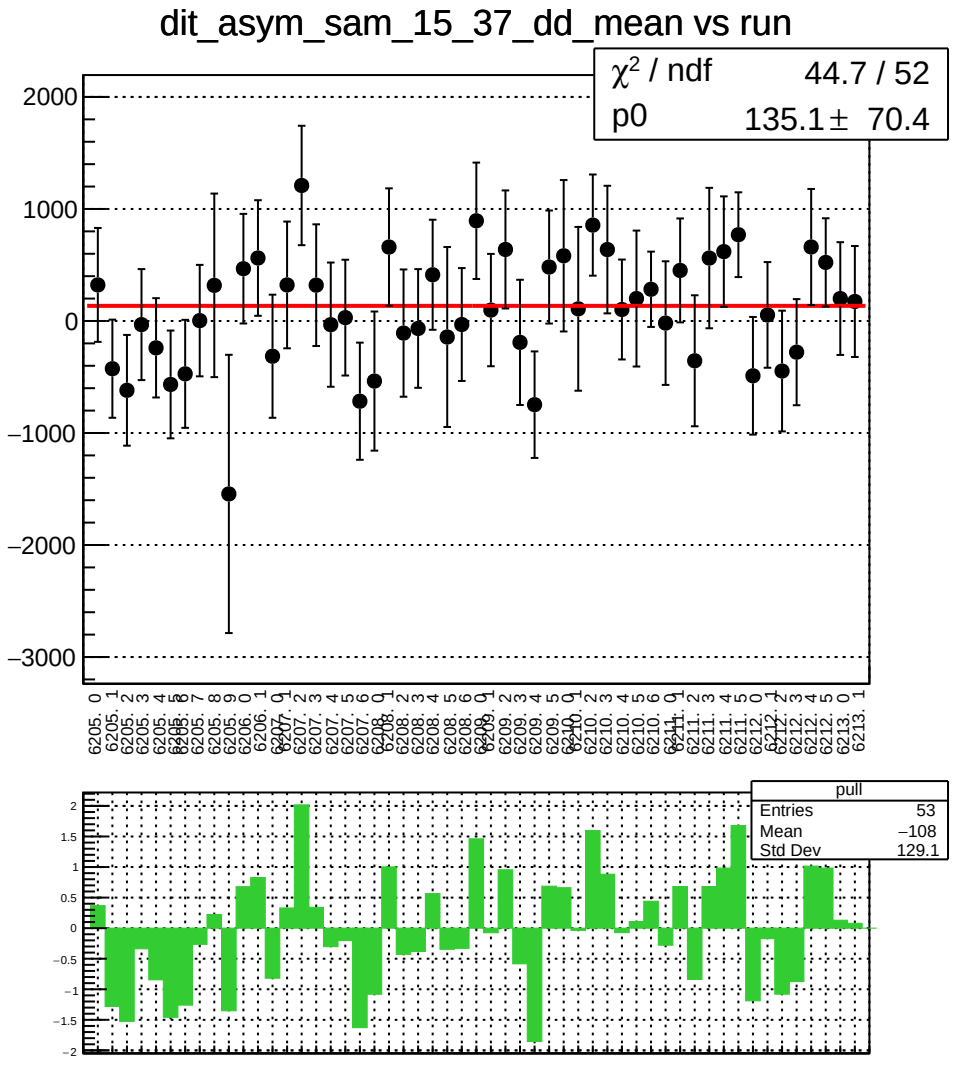
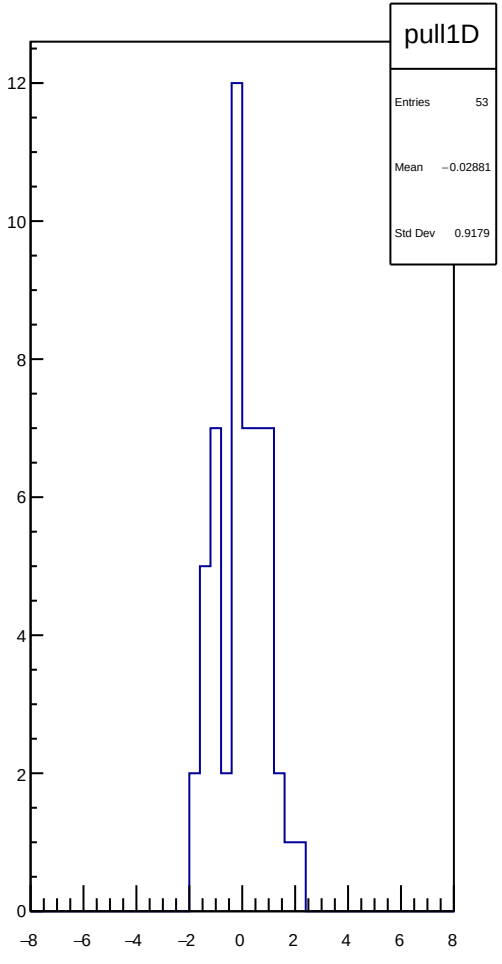
6213. 1

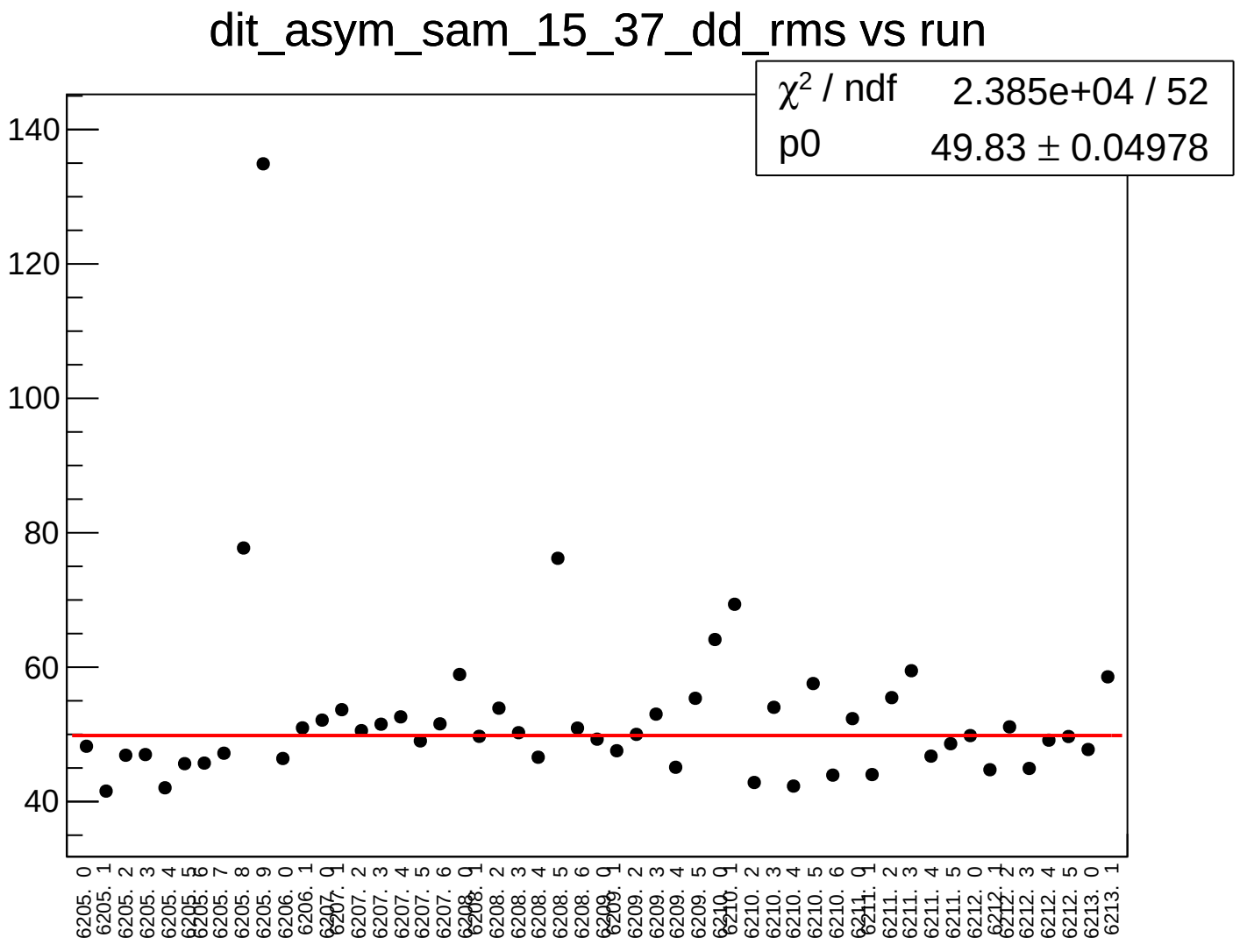

asym_sam_13_57_dd_mean vs run
χ² / ndf 46.65 / 52
p0 672.8 ± 1014
20000
10000
0
−10000
−20000
pull
Entries 53
Mean 18.81
Std Dev 52.66
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

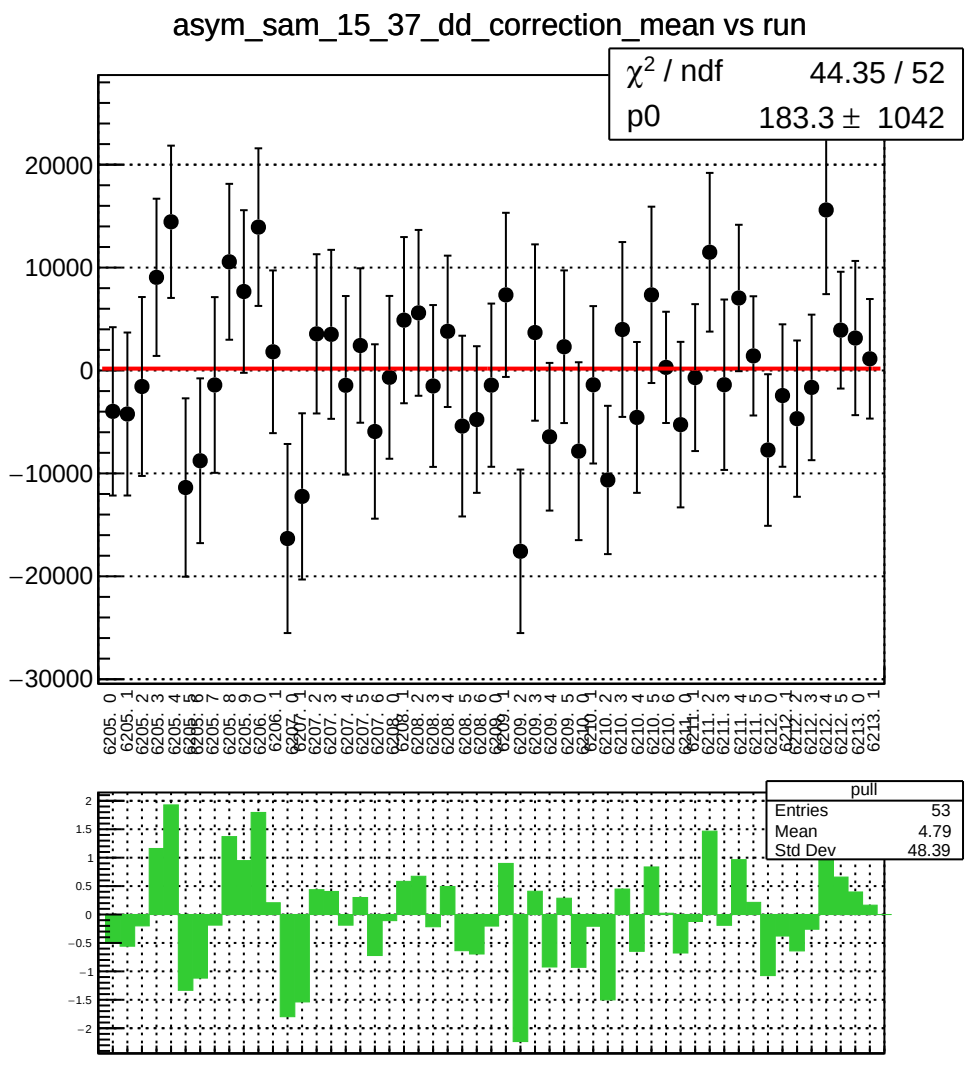

pull1D
Entries 53
Mean −0.01277
Std Dev 0.9381
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

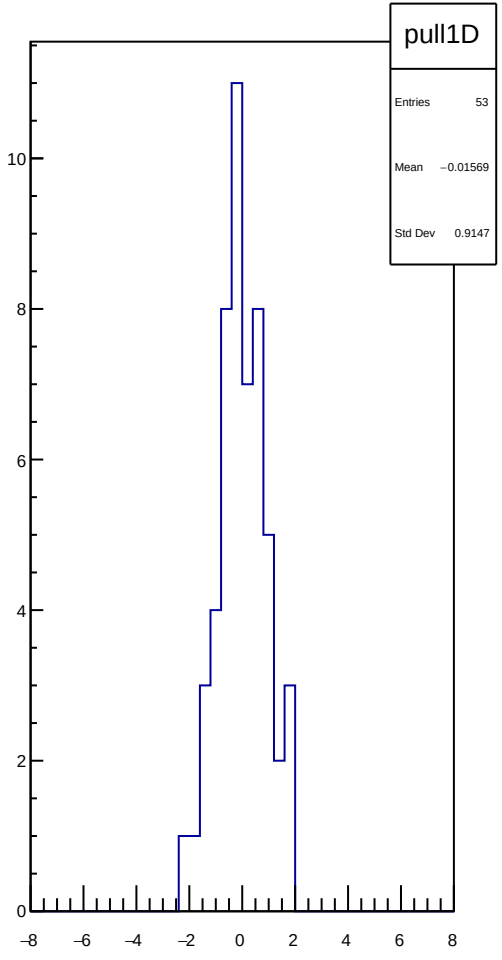

asym_sam_13_57_dd_rms vs run
χ² / ndf 2949 / 52
p0 725.5 ± 0.7173
850
800
750
700
650
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6206. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

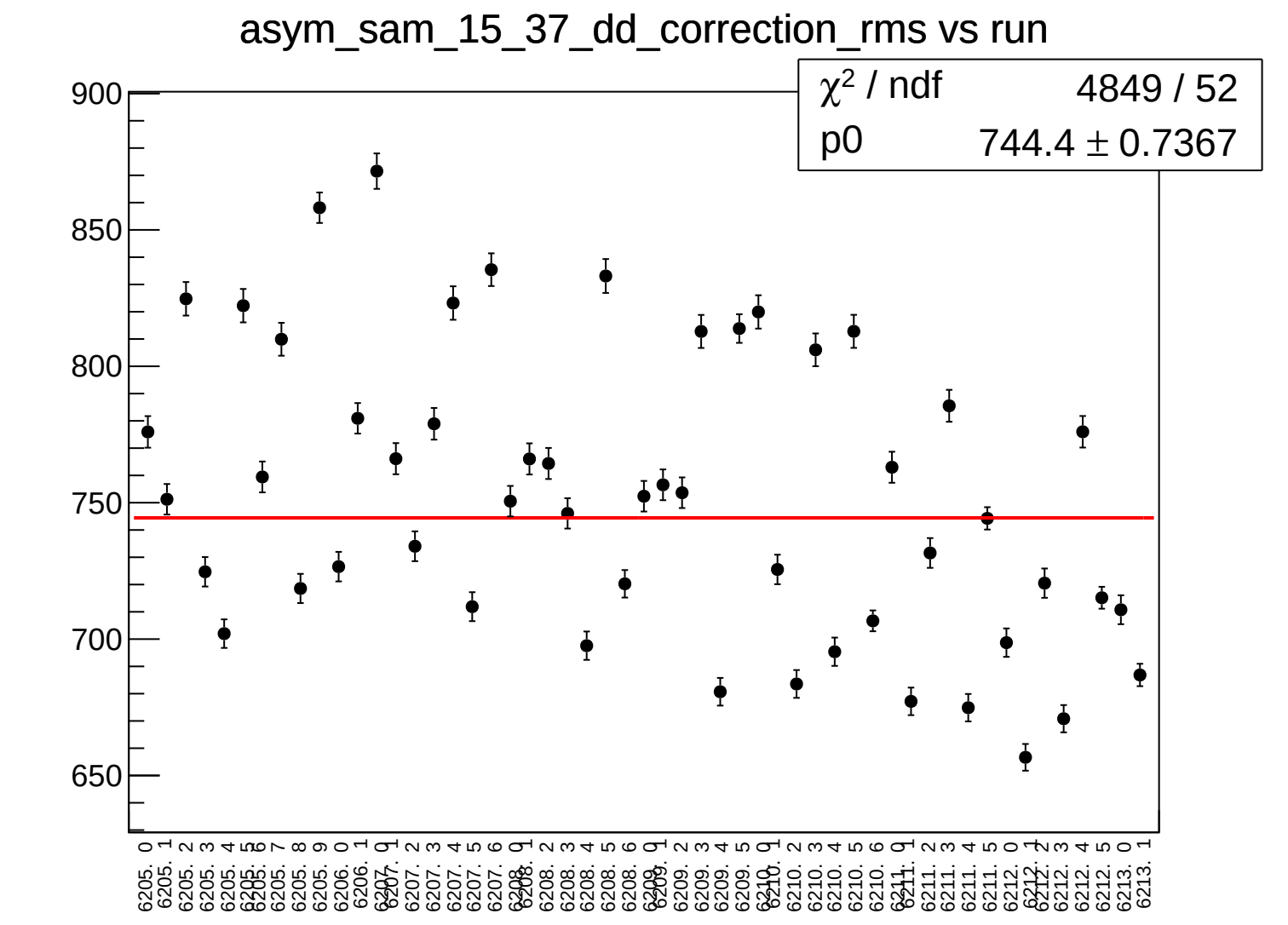

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 44.7 / 52
p0 135.1 ± 70.4
pull
Entries 53
Mean −108
Std Dev 129.1

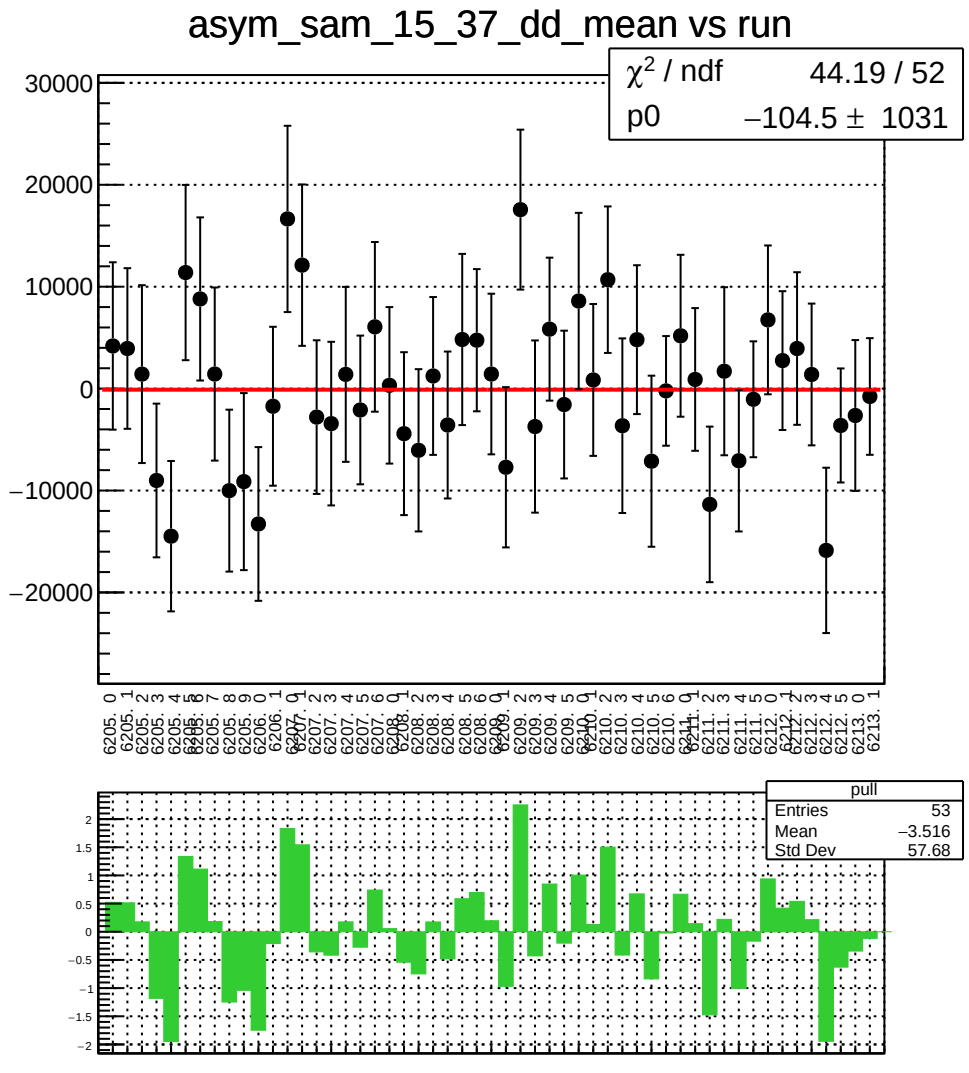

pull1D
Entries 53
Mean −0.02881
Std Dev 0.9179

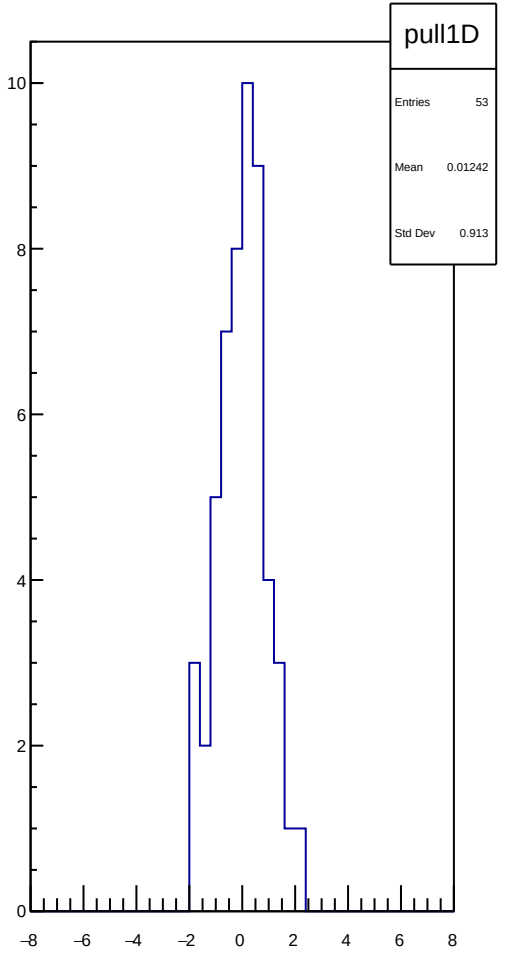

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 2.385e+04 / 52
p0 49.83 ± 0.04978
140
120
100
80
60
40
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6206. 2
6206. 3
6206. 4
6206. 5
6206. 6
6206. 7
6206. 8
6206. 9
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6207. 7
6207. 8
6207. 9
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 7
6208. 8
6208. 9
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6209. 6
6209. 7
6209. 8
6209. 9
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6210. 7
6210. 8
6210. 9
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

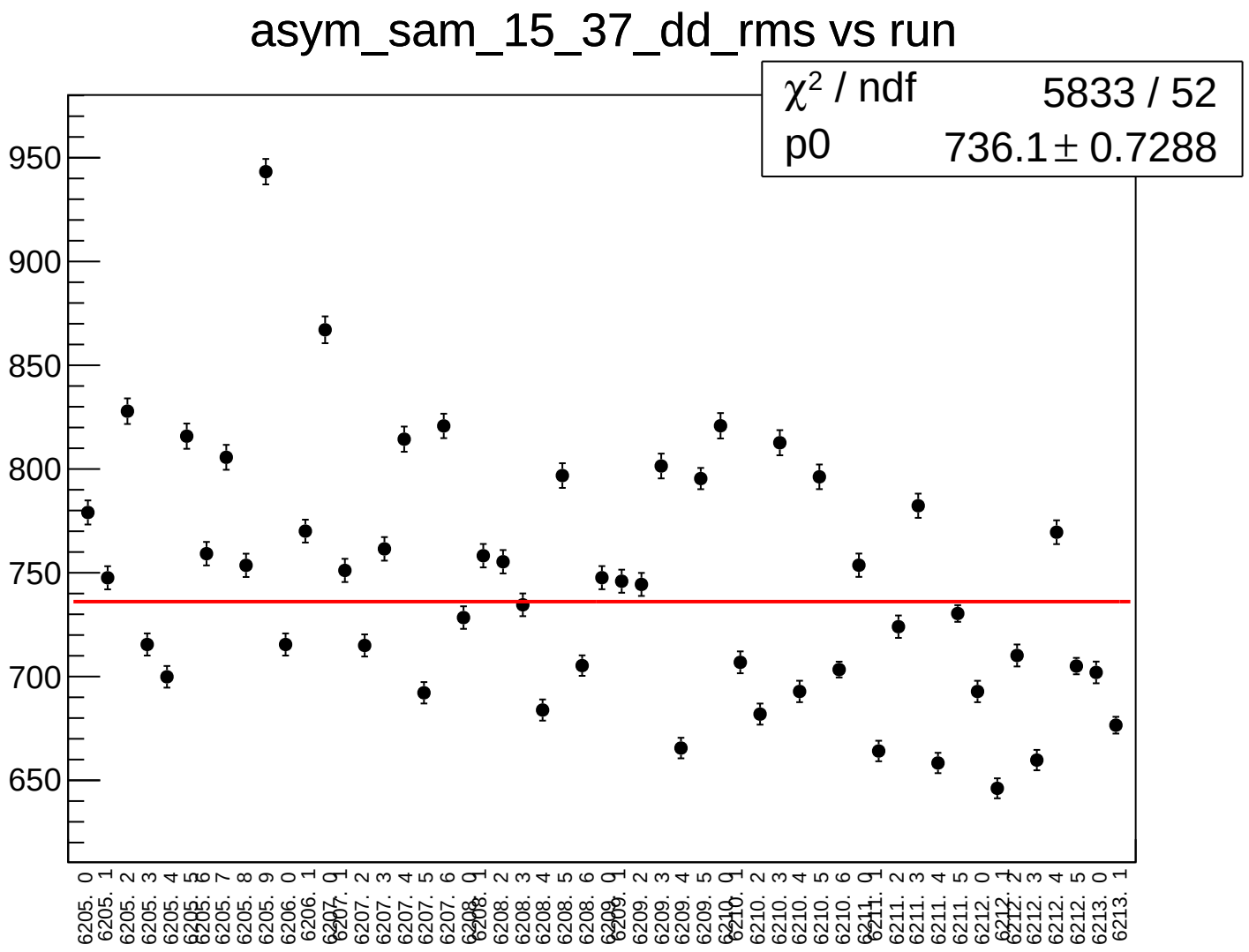

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 44.35 / 52
p0 183.3 ± 1042
pull
Entries 53
Mean 4.79
Std Dev 48.39

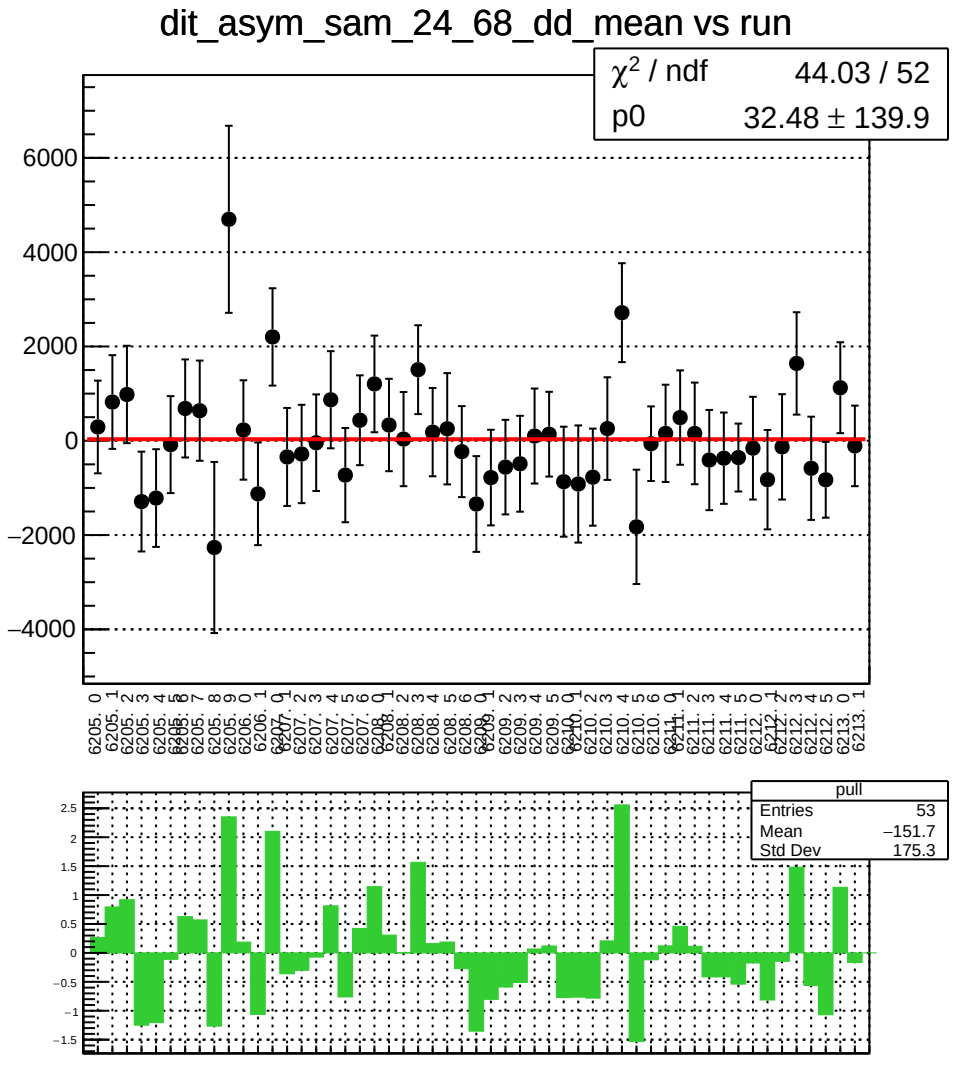

pull1D
Entries 53
Mean −0.01569
Std Dev 0.9147

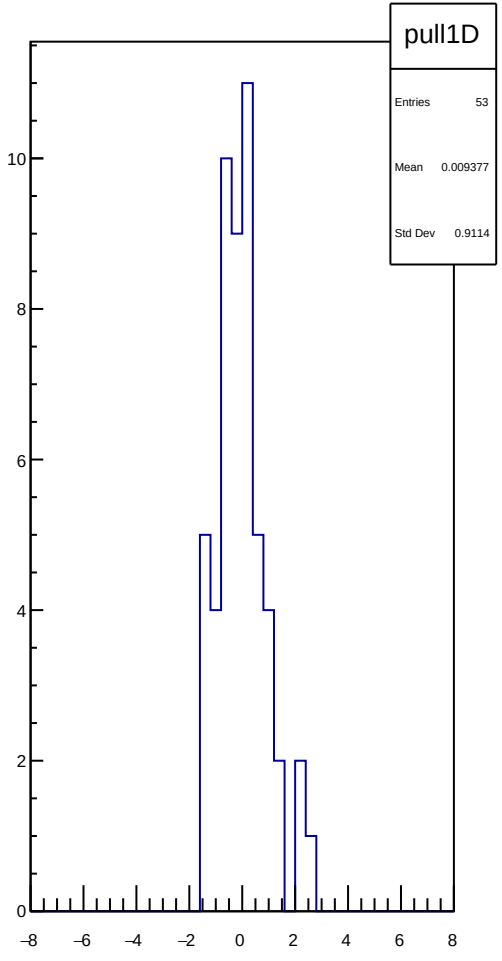

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 4849 / 52
p0 744.4 ± 0.7367
900
850
800
750
700
650
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6206. 2
6206. 3
6206. 4
6206. 5
6206. 6
6206. 7
6206. 8
6206. 9
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6207. 7
6207. 8
6207. 9
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 7
6208. 8
6208. 9
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6209. 6
6209. 7
6209. 8
6209. 9
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6210. 7
6210. 8
6210. 9
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

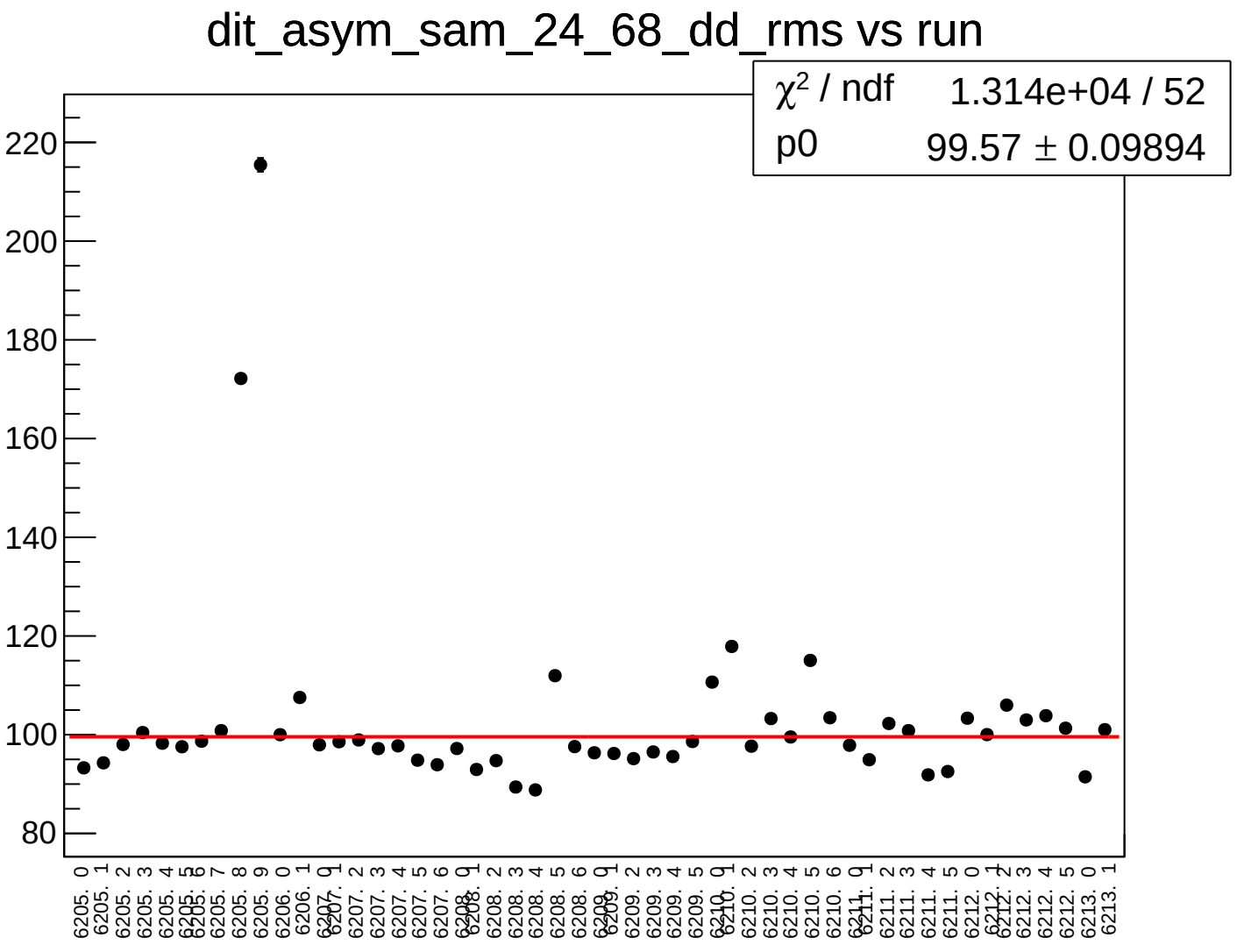

asym_sam_15_37_dd_mean vs run
χ² / ndf 44.19 / 52
p0 −104.5 ± 1031
30000
20000
10000
0
−10000
−20000
pull
Entries 53
Mean −3.516
Std Dev 57.68
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

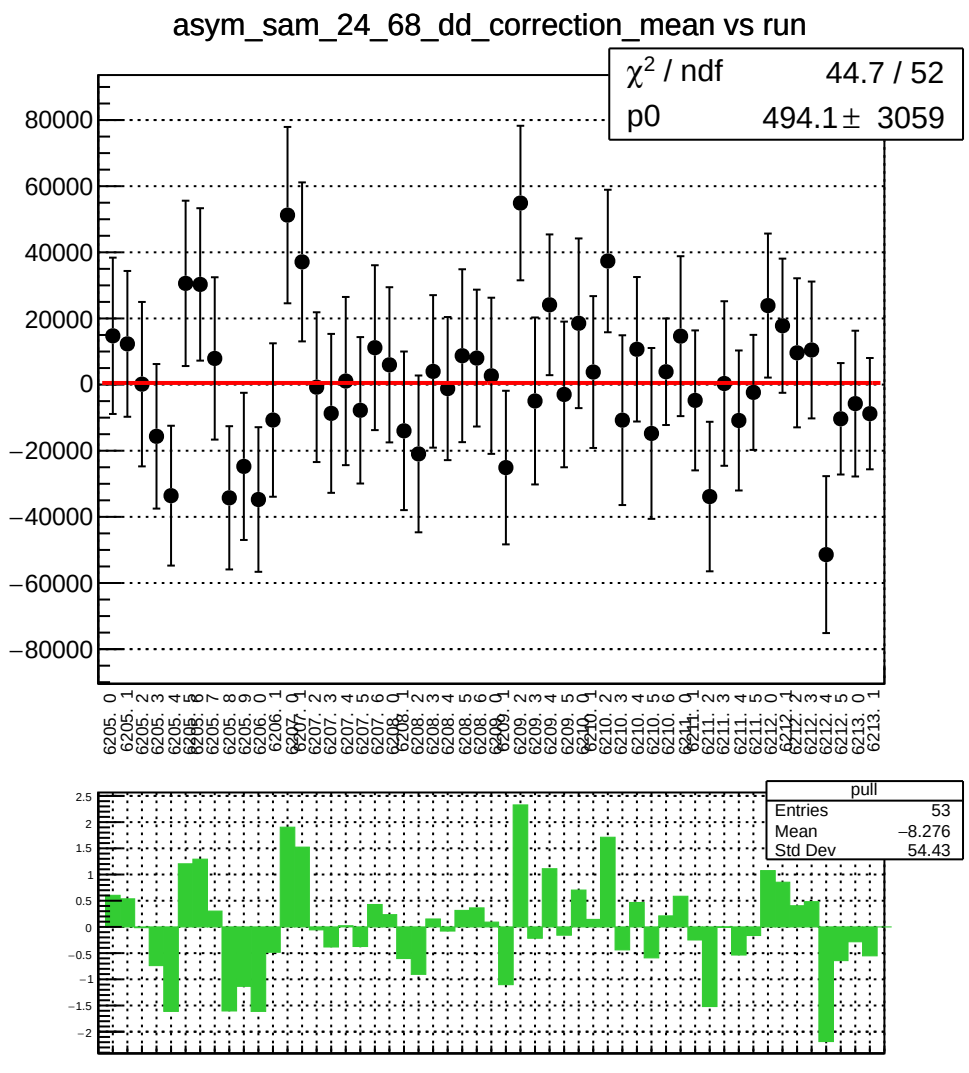

pull1D
Entries 53
Mean 0.01242
Std Dev 0.913
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

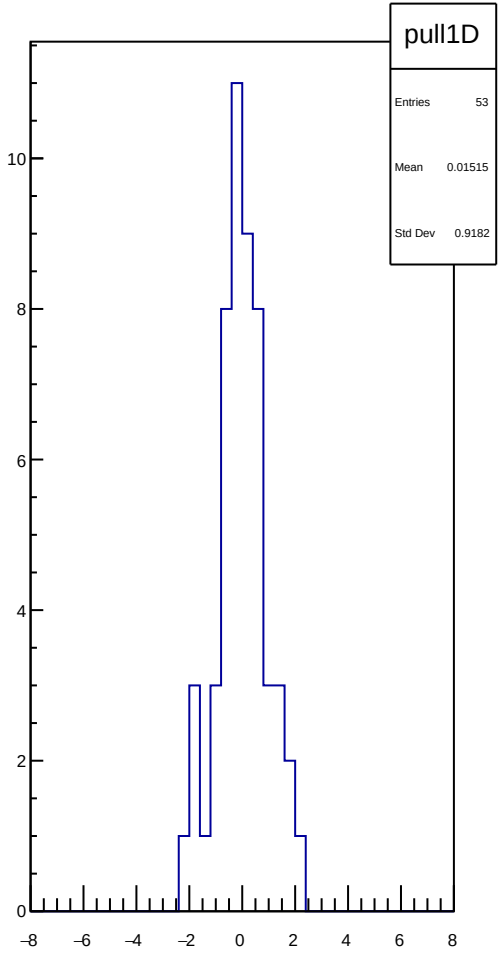

asym_sam_15_37_dd_rms vs run
χ² / ndf 5833 / 52
p0 736.1 ± 0.7288
950
900
850
800
750
700
650
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

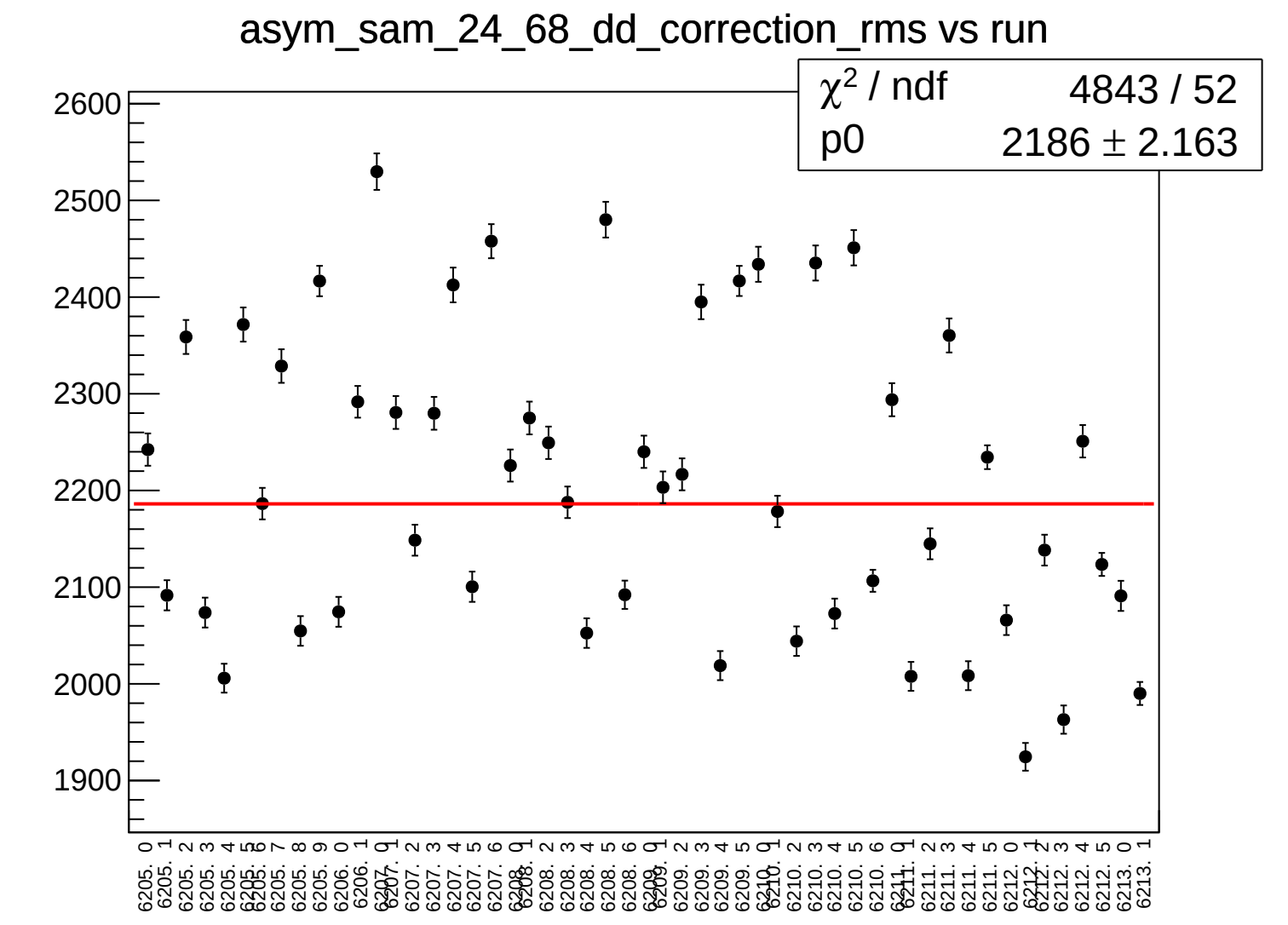

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 44.03 / 52
p0 32.48 ± 139.9
6000
4000
2000
0
−2000
−4000
pull
Entries 53
Mean −151.7
Std Dev 175.3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

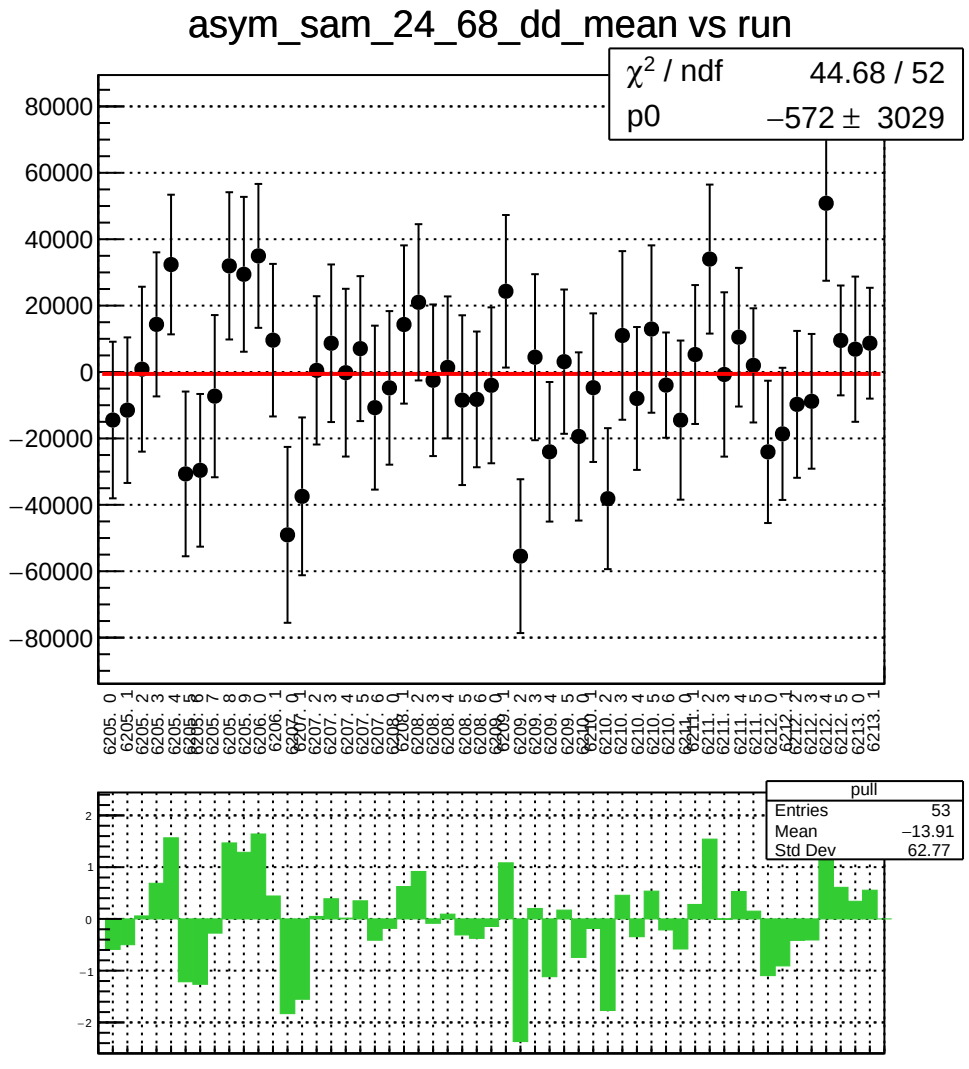

pull1D
Entries 53
Mean 0.009377
Std Dev 0.9114
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

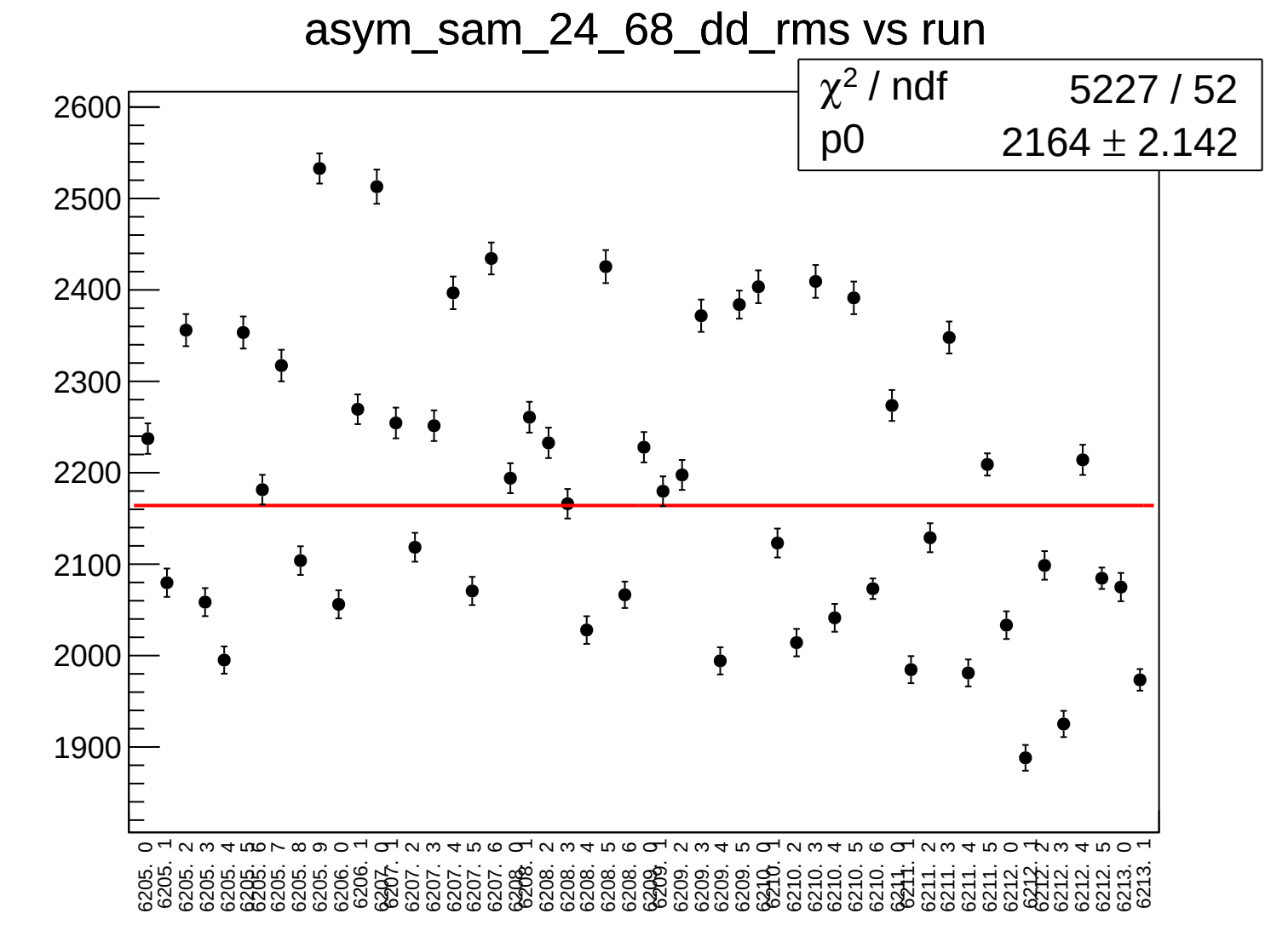

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 1.314e+04 / 52
p0 99.57 ± 0.09894
220
200
180
160
140
120
100
80
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

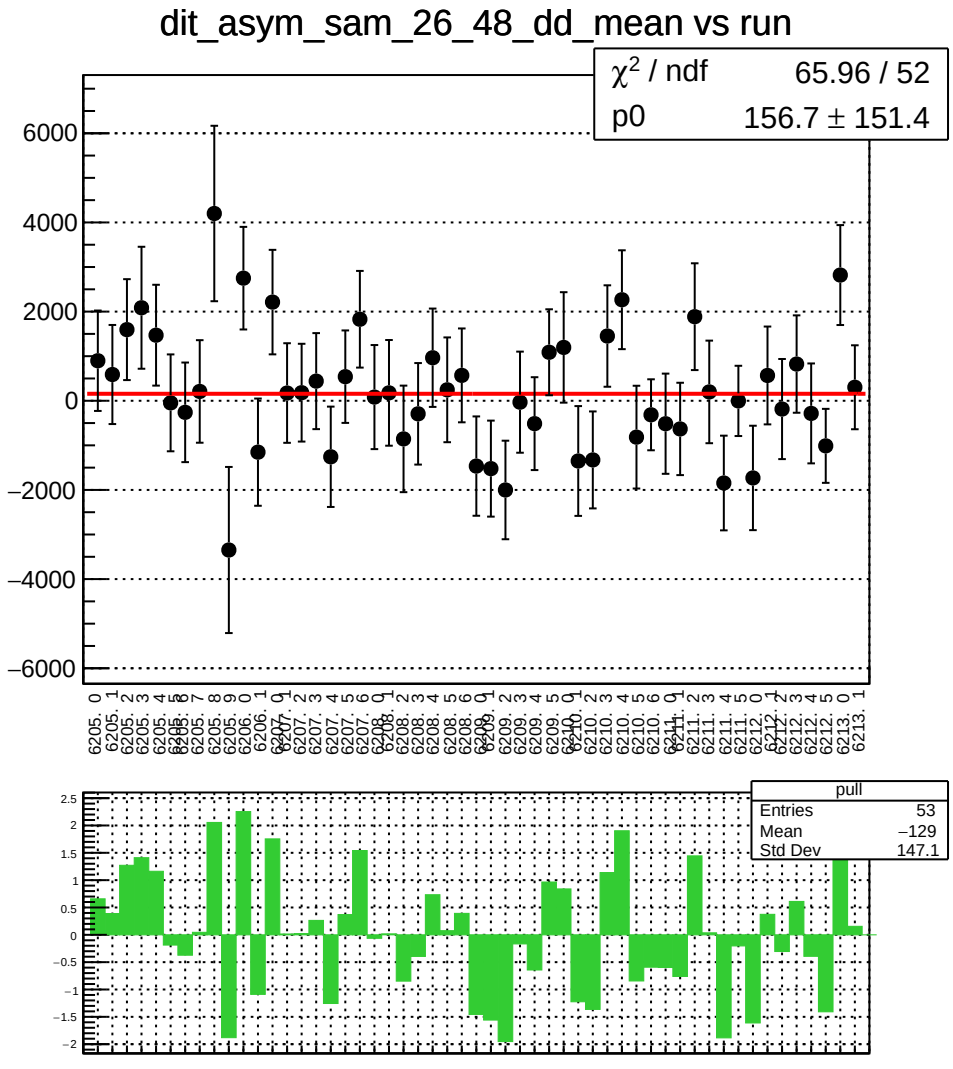

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 44.7 / 52
p0 494.1 ± 3059
pull
Entries 53
Mean −8.276
Std Dev 54.43

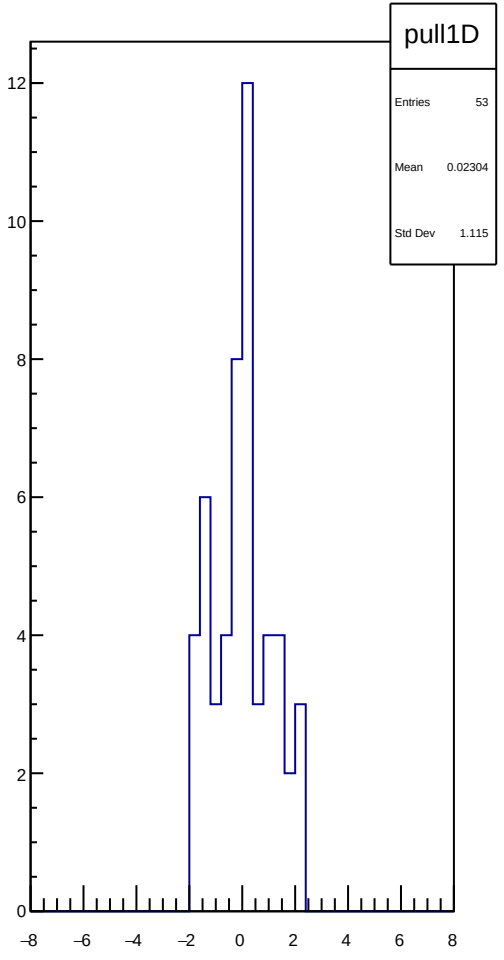

pull1D
Entries 53
Mean 0.01515
Std Dev 0.9182

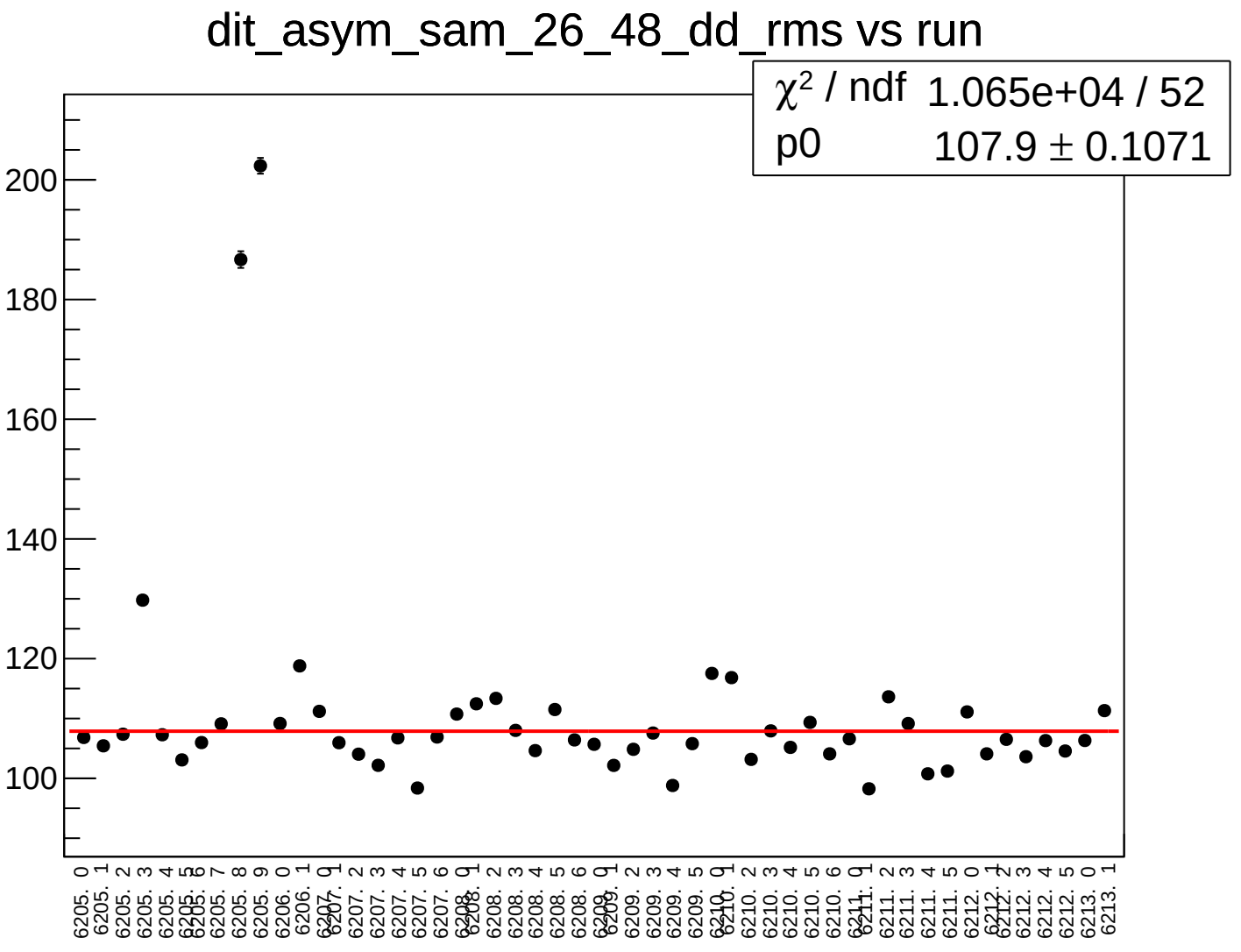

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 4843 / 52
p0 2186 ± 2.163
2600
2500
2400
2300
2200
2100
2000
1900
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

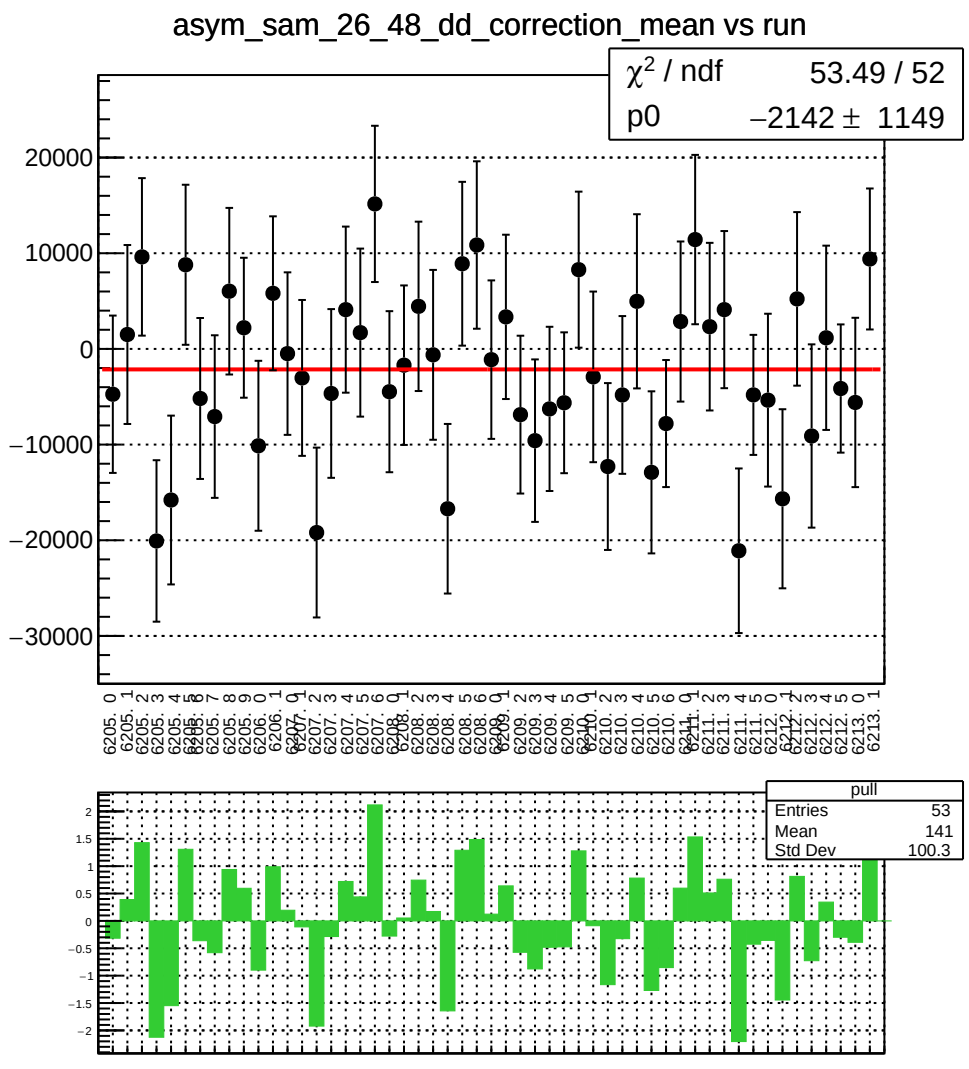

asym_sam_24_68_dd_mean vs run
χ² / ndf 44.68 / 52
p0 −572 ± 3029
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6207. 7
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 7
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6209. 6
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6210. 7
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1
pull
Entries 53
Mean −13.91
Std Dev 62.77
2
1
0
−1
−2
pull1D
Entries 53
Mean −0.01211
Std Dev 0.9181
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

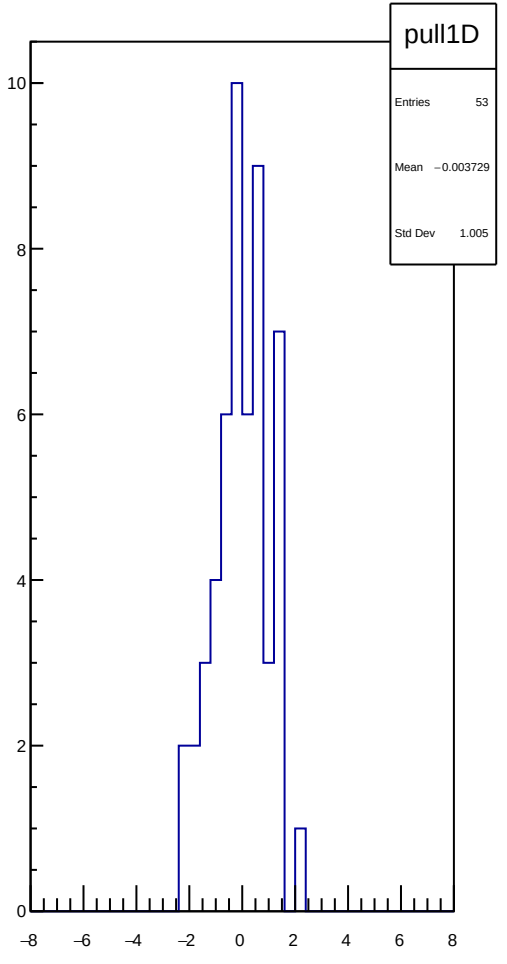

asym_sam_24_68_dd_rms vs run
χ² / ndf 5227 / 52
p0 2164 ± 2.142
2600
2500
2400
2300
2200
2100
2000
1900
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 9
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

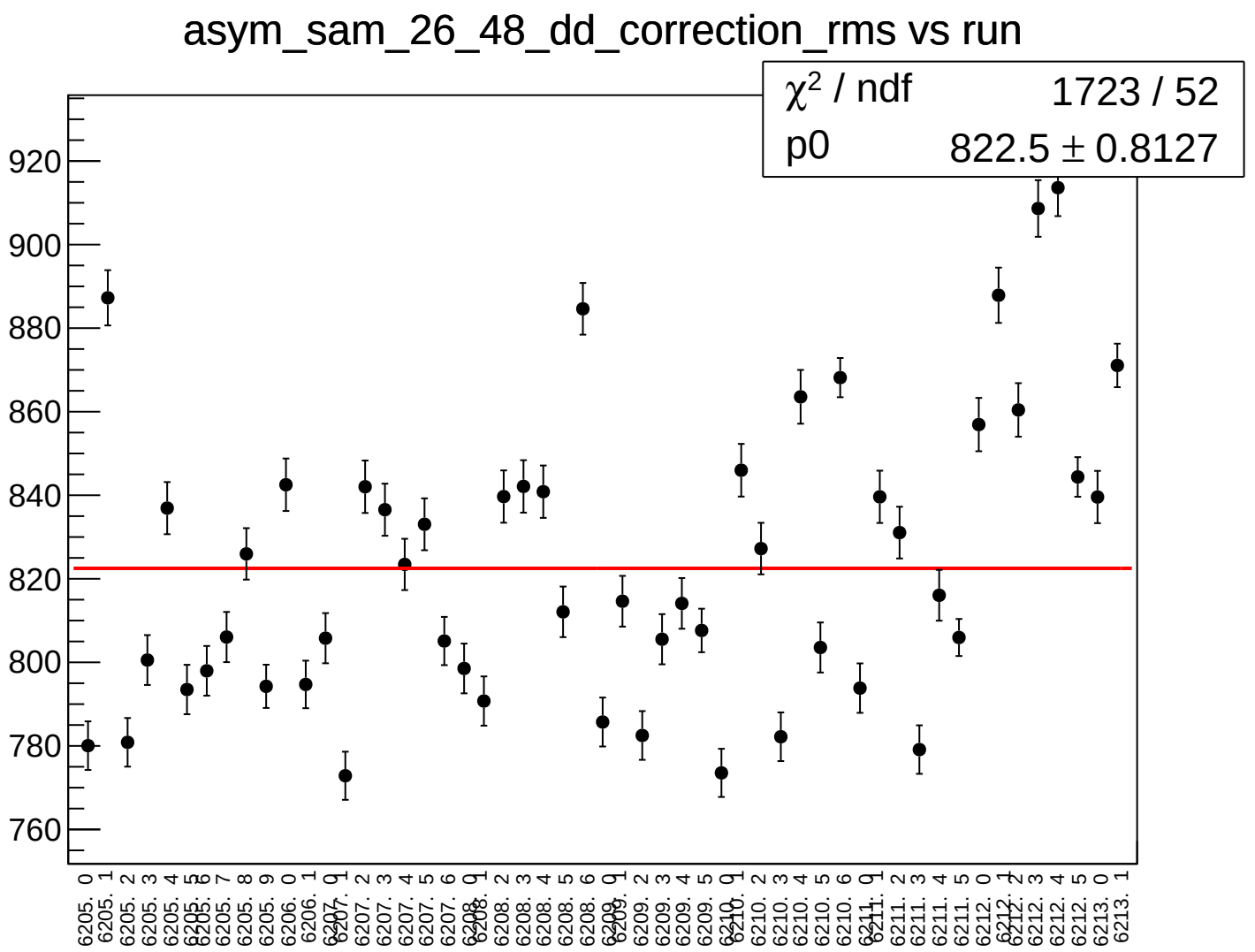

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 65.96 / 52
p0 156.7 ± 151.4
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 53
Mean −129
Std Dev 147.1
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

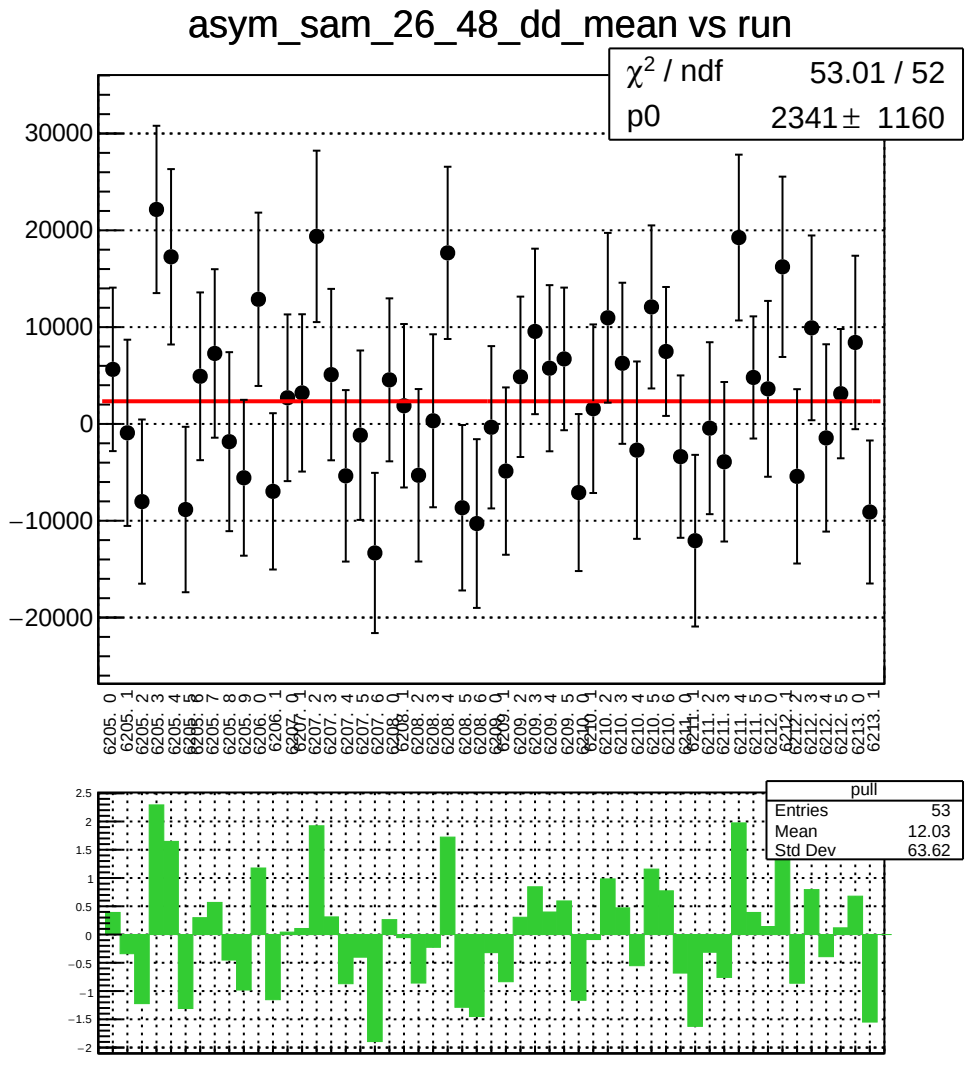

pull1D
Entries 53
Mean 0.02304
Std Dev 1.115
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

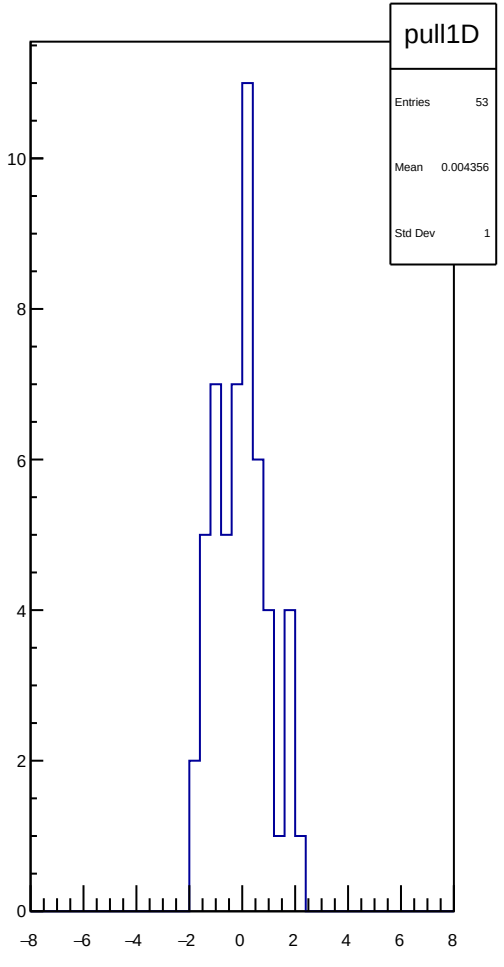

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 1.065e+04 / 52
p0 107.9 ± 0.1071
200
180
160
140
120
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6206. 2
6206. 3
6206. 4
6206. 5
6206. 6
6206. 7
6206. 8
6206. 9
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6207. 7
6207. 8
6207. 9
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 7
6208. 8
6208. 9
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6209. 6
6209. 7
6209. 8
6209. 9
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6210. 7
6210. 8
6210. 9
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

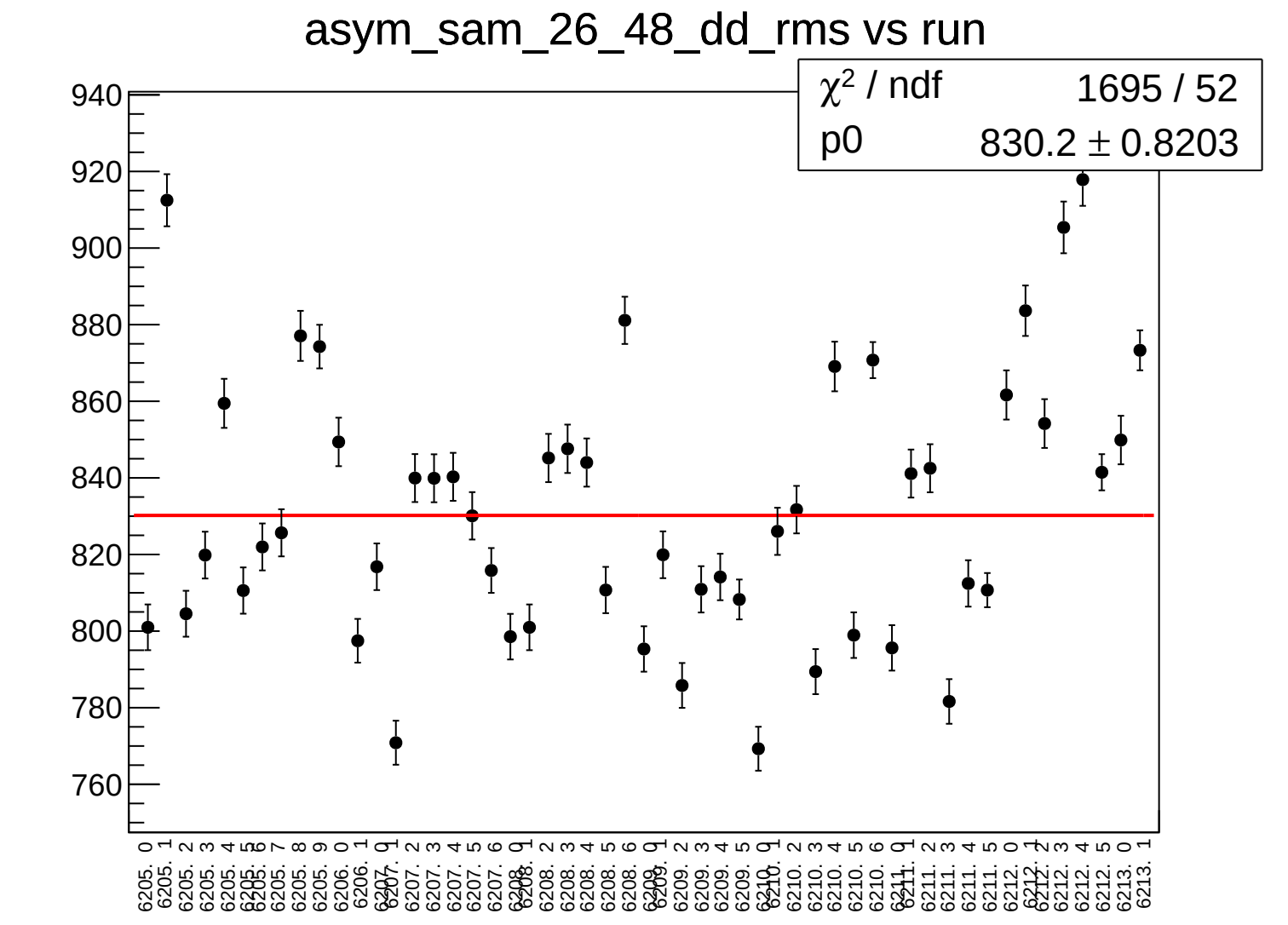

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 53.49 / 52
p0 −2142 ± 1149
20000
10000
0
−10000
−20000
−30000
pull
Entries 53
Mean 141
Std Dev 100.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

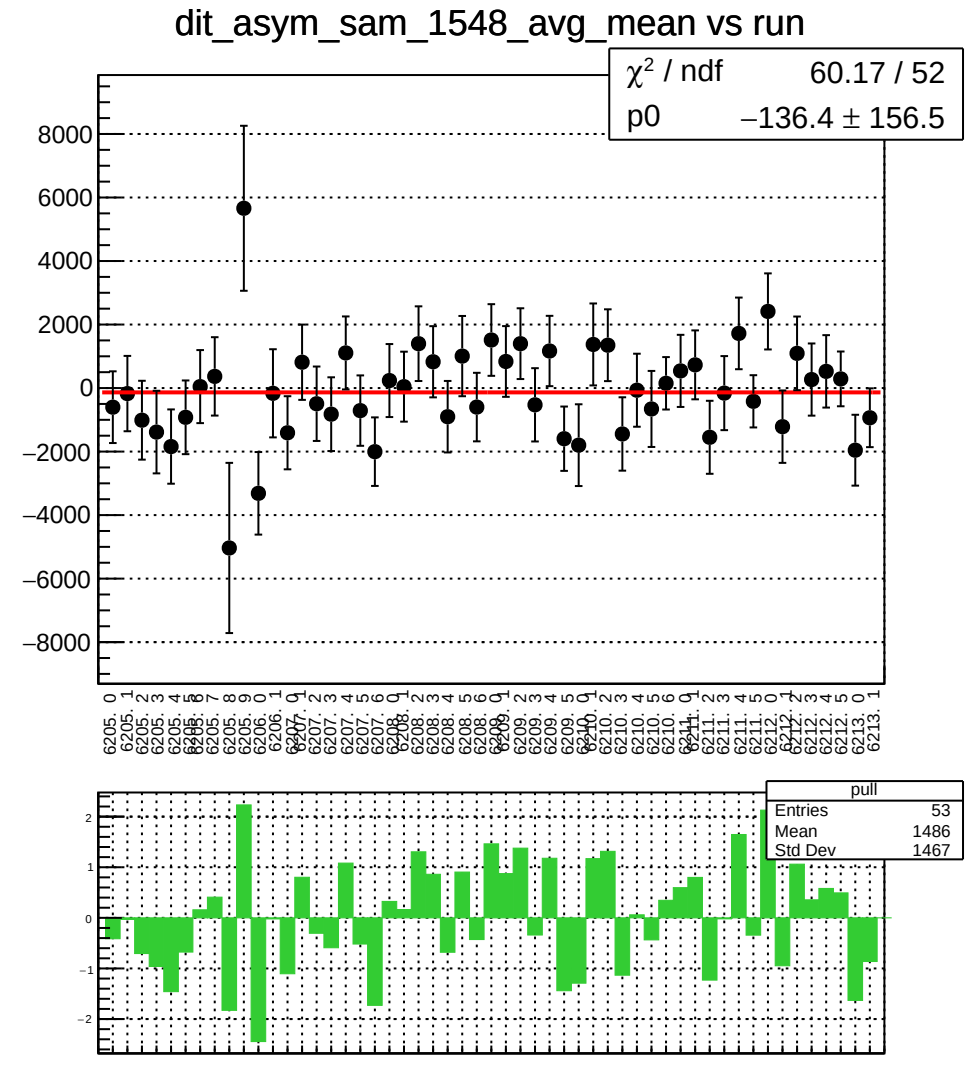

pull1D
Entries 53
Mean −0.003729
Std Dev 1.005
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

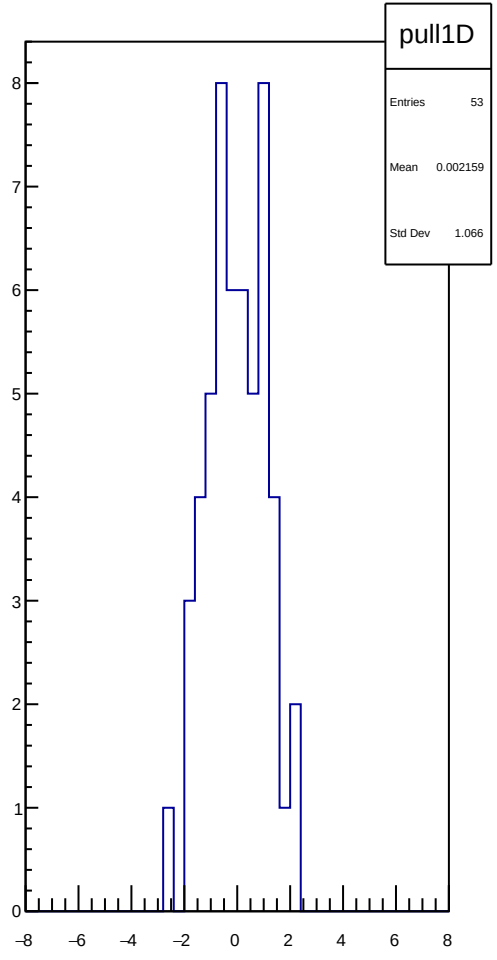

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 1723 / 52
p0 822.5 ± 0.8127
920
900
880
860
840
820
800
780
760
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

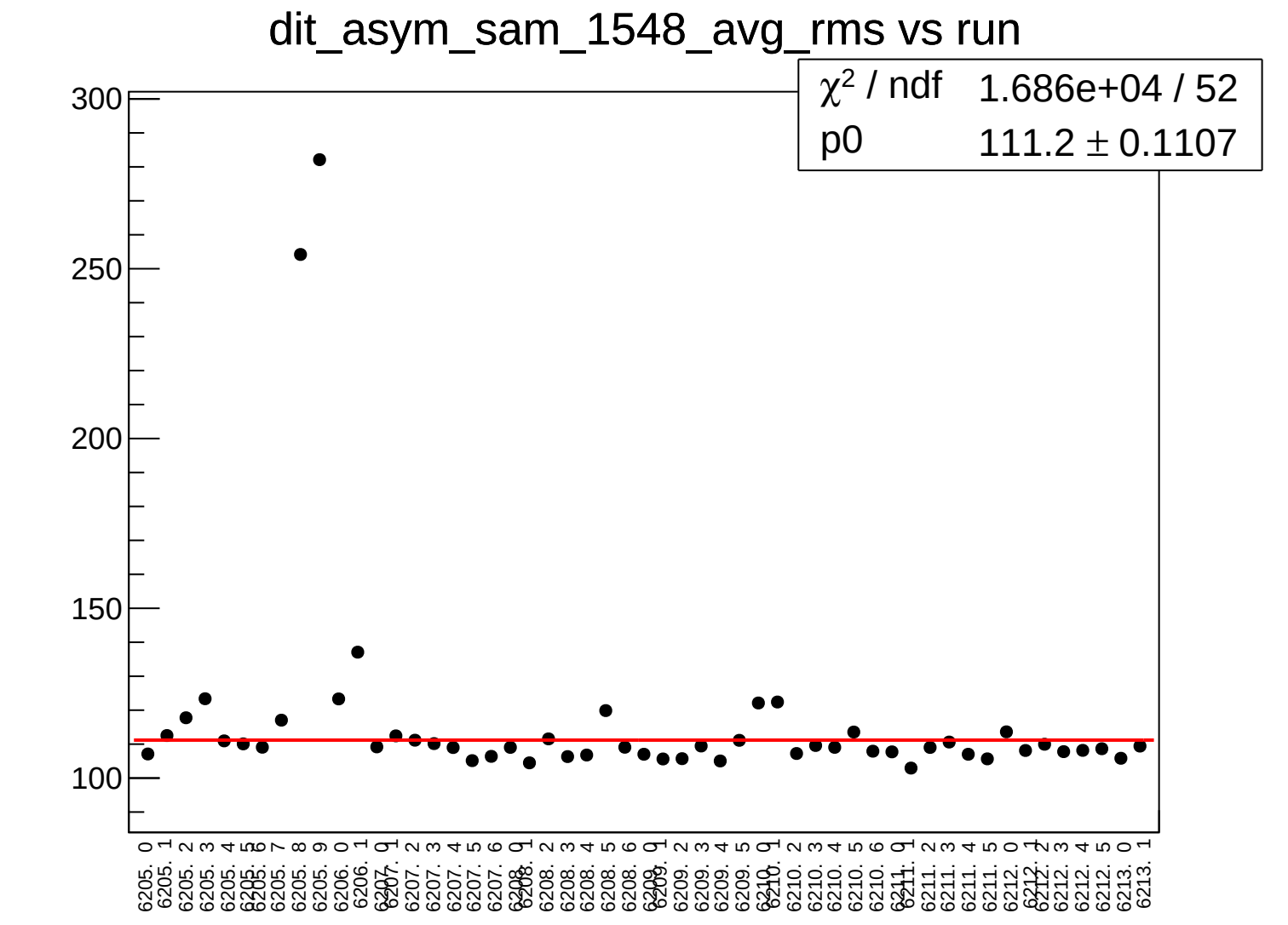

asym_sam_26_48_dd_mean vs run
χ² / ndf 53.01 / 52
p0 2341 ± 1160
pull
Entries 53
Mean 12.03
Std Dev 63.62

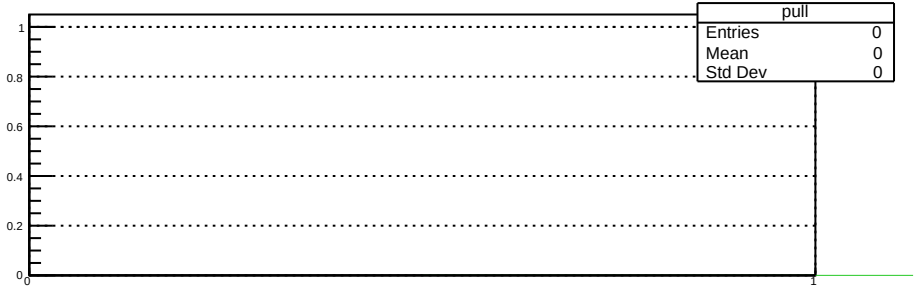

pull1D
Entries 53
Mean 0.004356
Std Dev 1

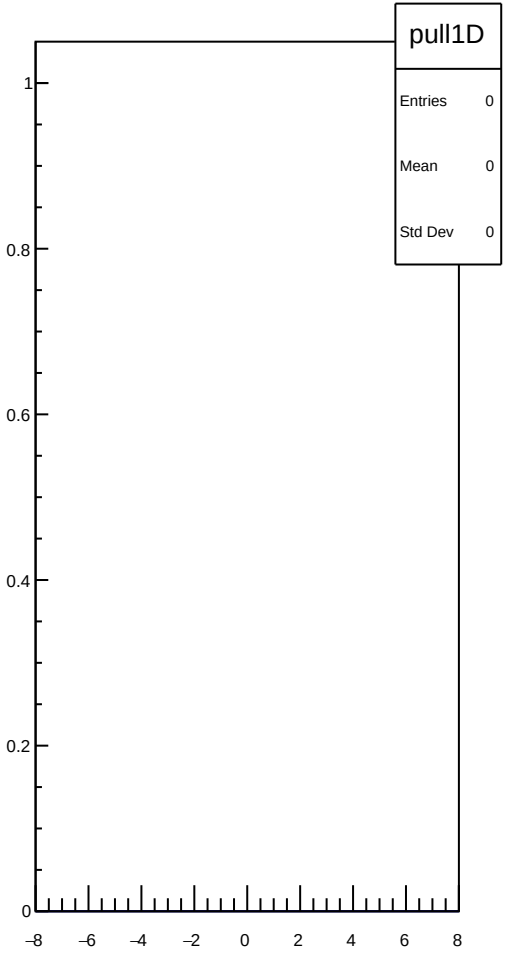

asym_sam_26_48_dd_rms vs run
χ² / ndf 1695 / 52
p0 830.2 ± 0.8203
940
920
900
880
860
840
820
800
780
760
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

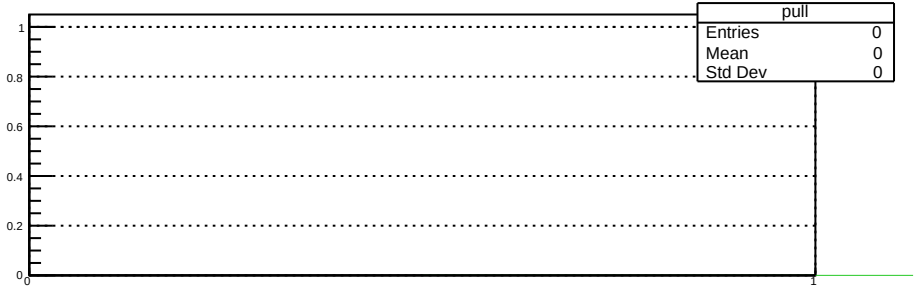

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 60.17 / 52
p0 −136.4 ± 156.5
pull
Entries 53
Mean 1486
Std Dev 1467

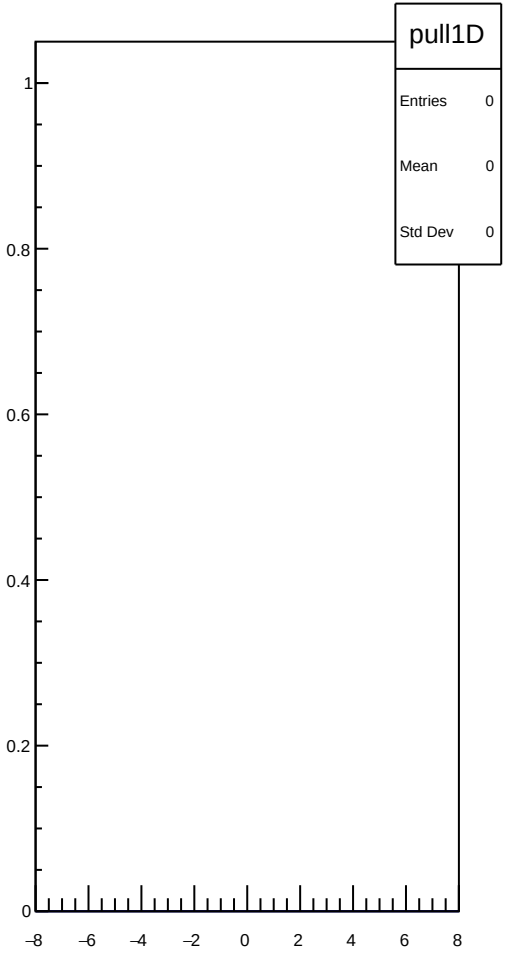

pull1D
Entries 53
Mean 0.002159
Std Dev 1.066

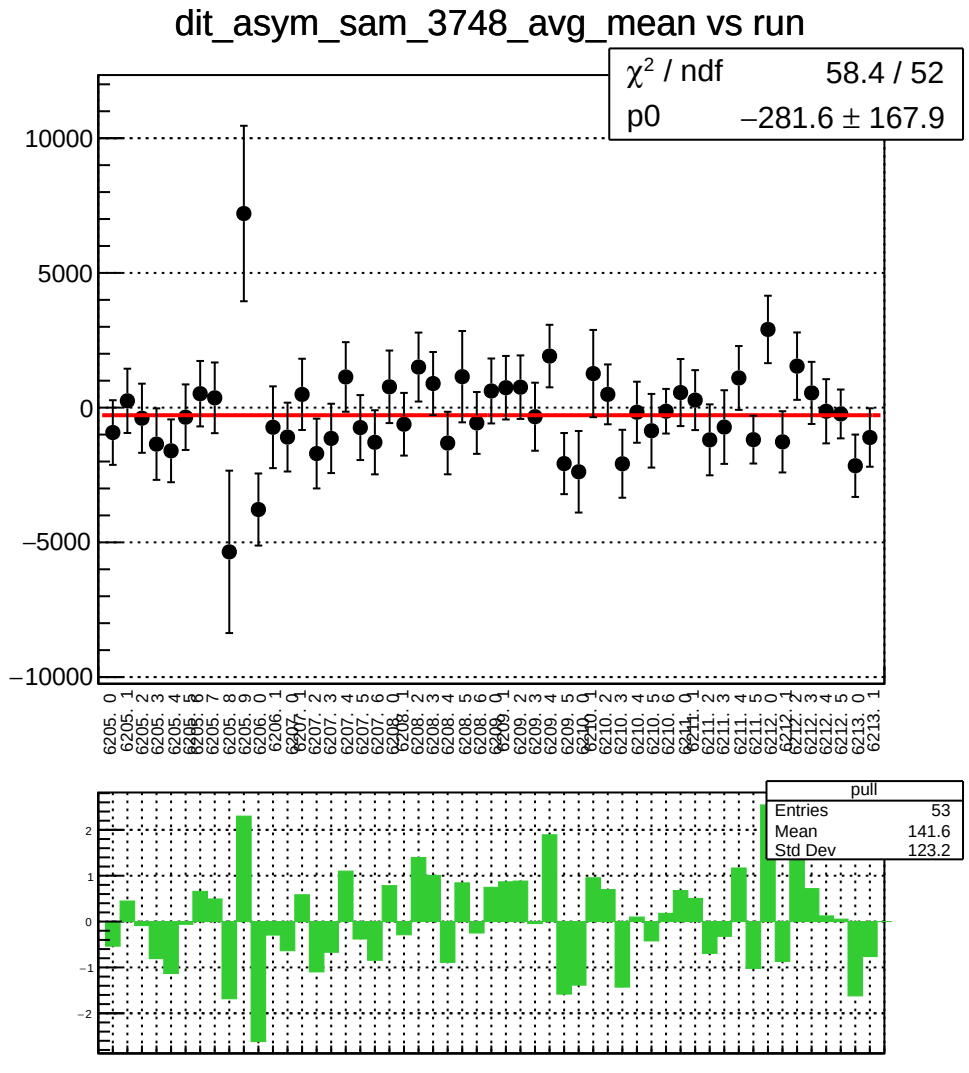

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 1.686e+04 / 52
p0 111.2 ± 0.1107
300
250
200
150
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

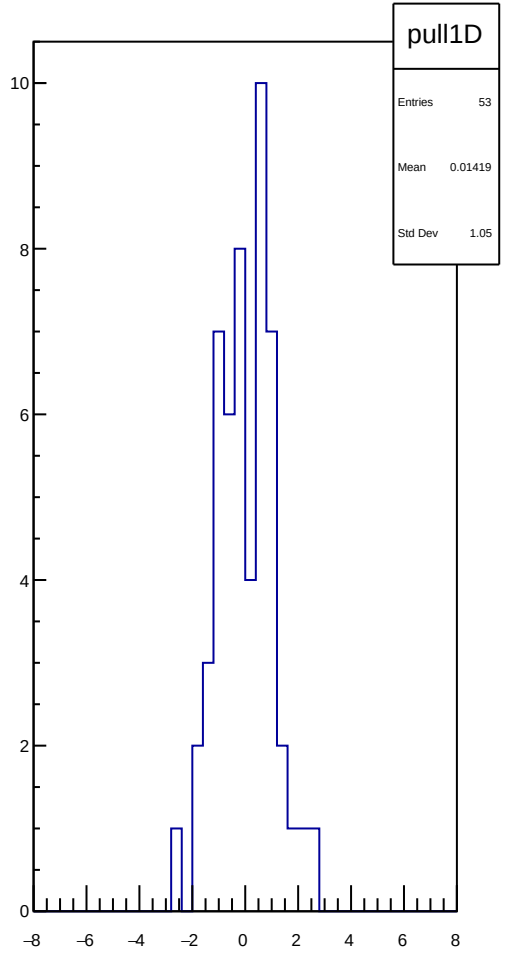

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

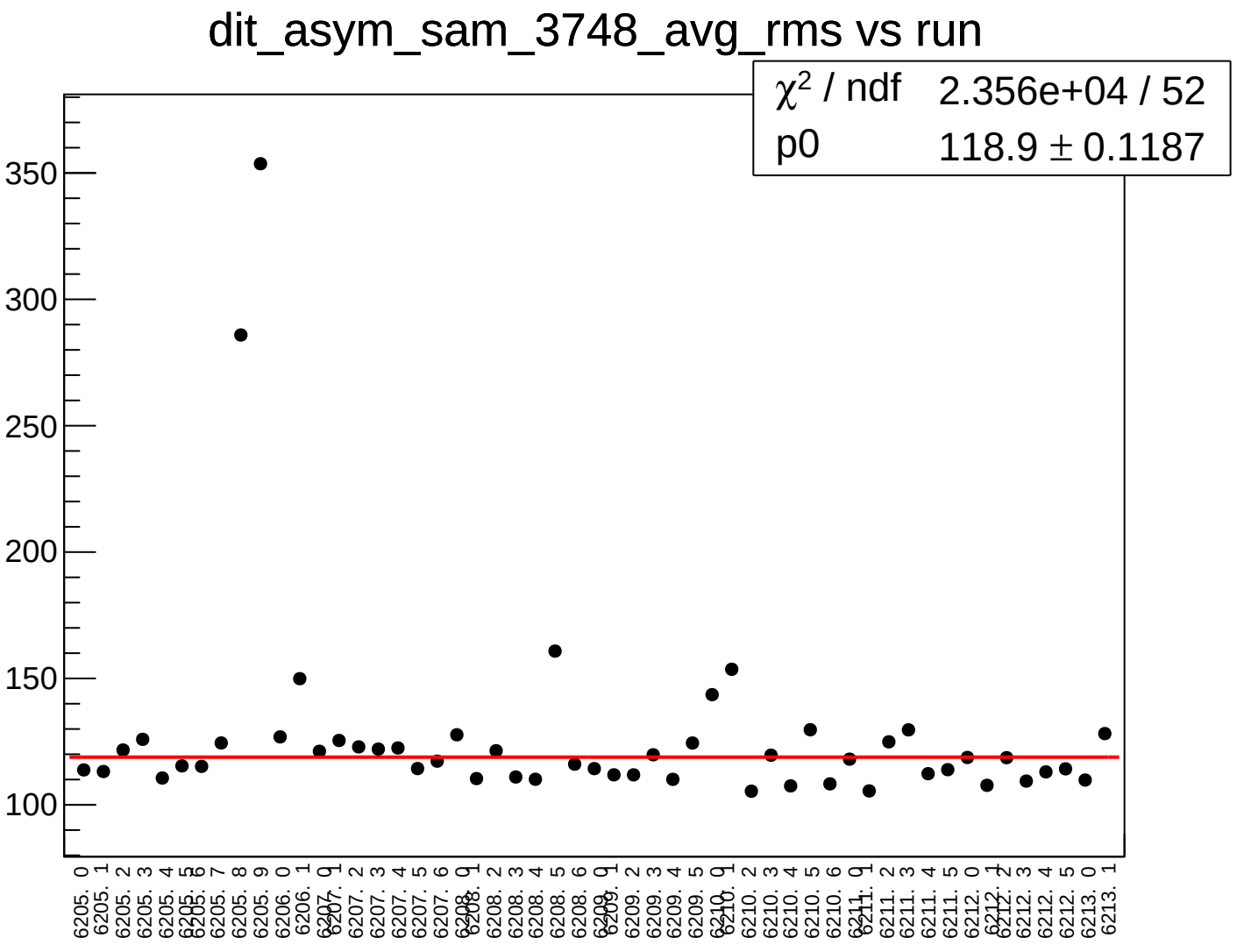

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

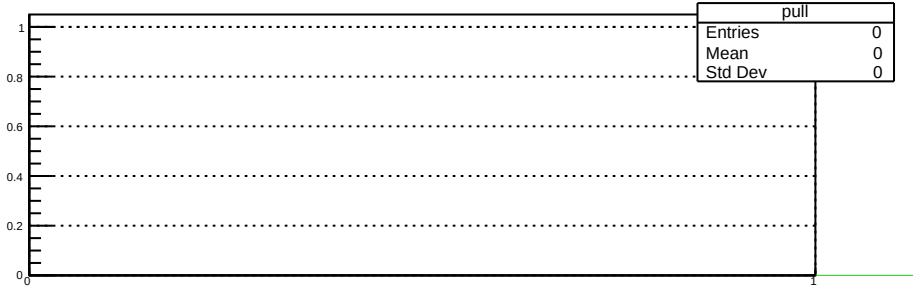

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

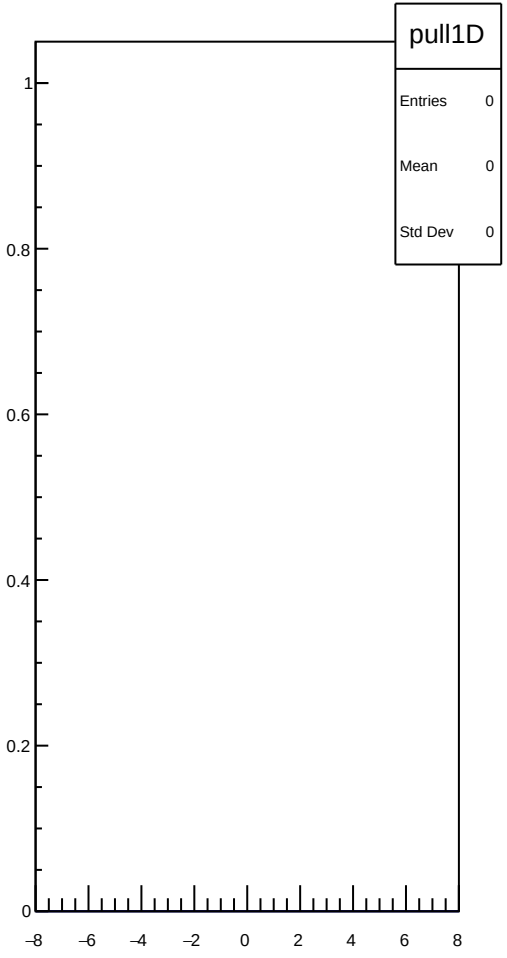

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

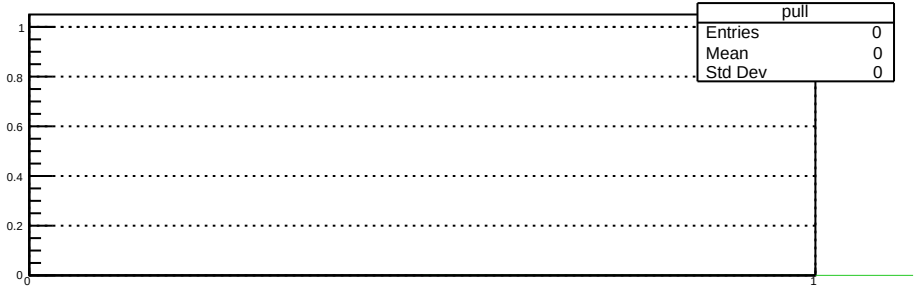

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 58.4 / 52
p0 −281.6 ± 167.9
10000
5000
0
−5000
−10000
pull
Entries 53
Mean 141.6
Std Dev 123.2
2
1
0
−1
−2

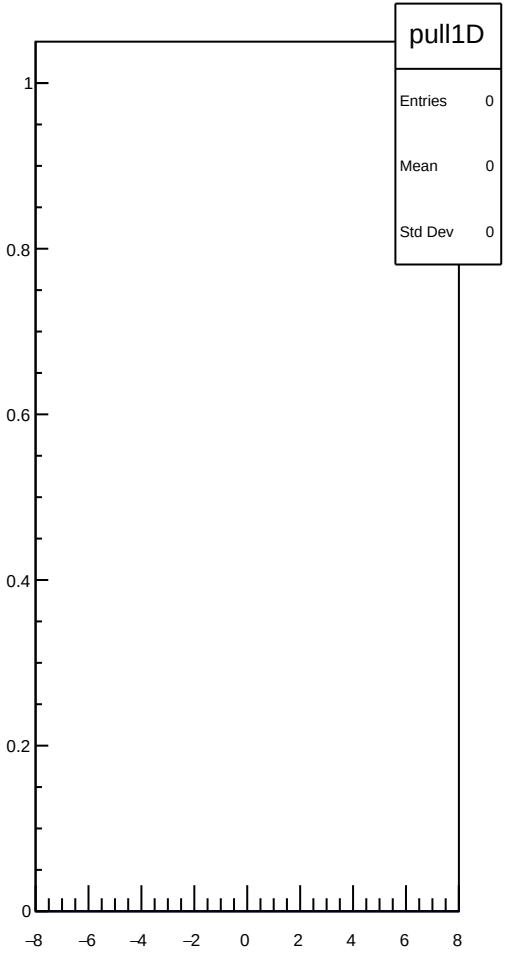

pull1D
Entries 53
Mean 0.01419
Std Dev 1.05
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

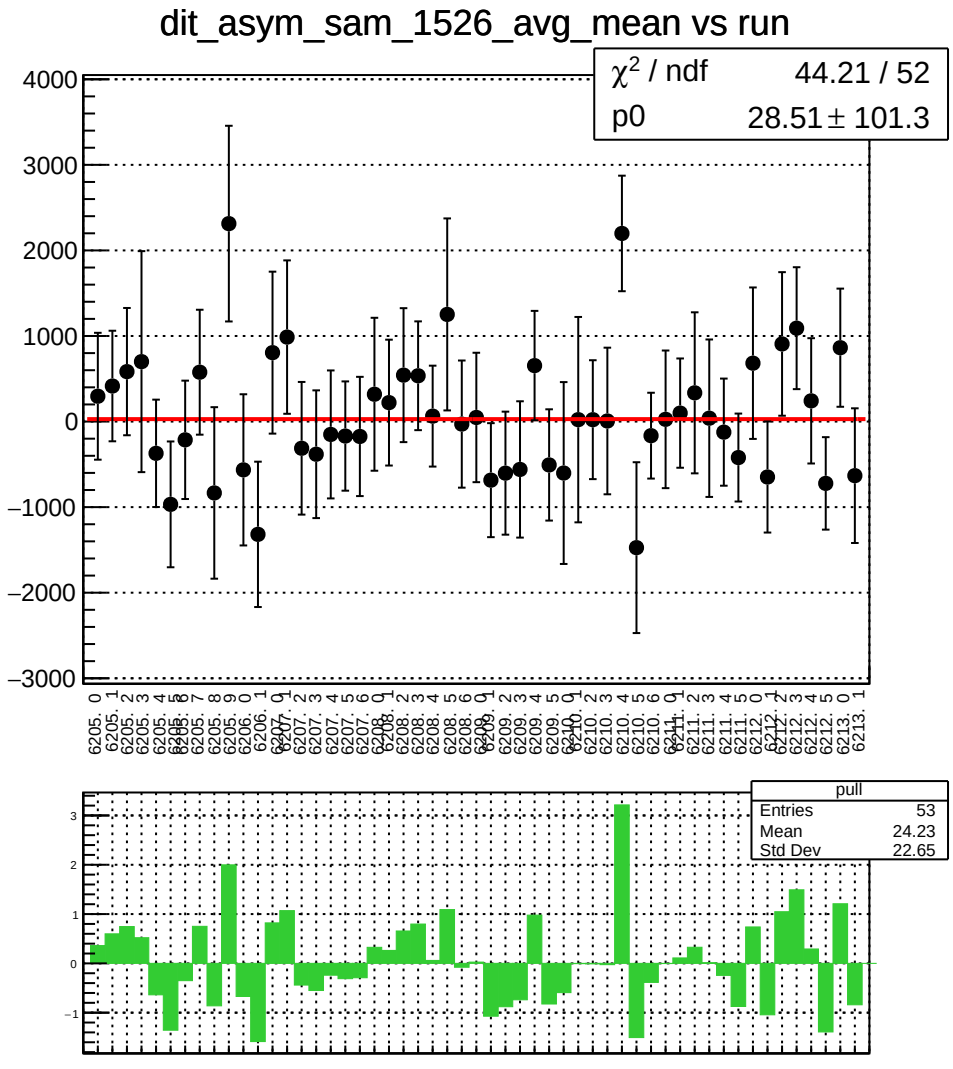

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 2.356e+04 / 52
p0 118.9 ± 0.1187
350
300
250
200
150
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 9
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

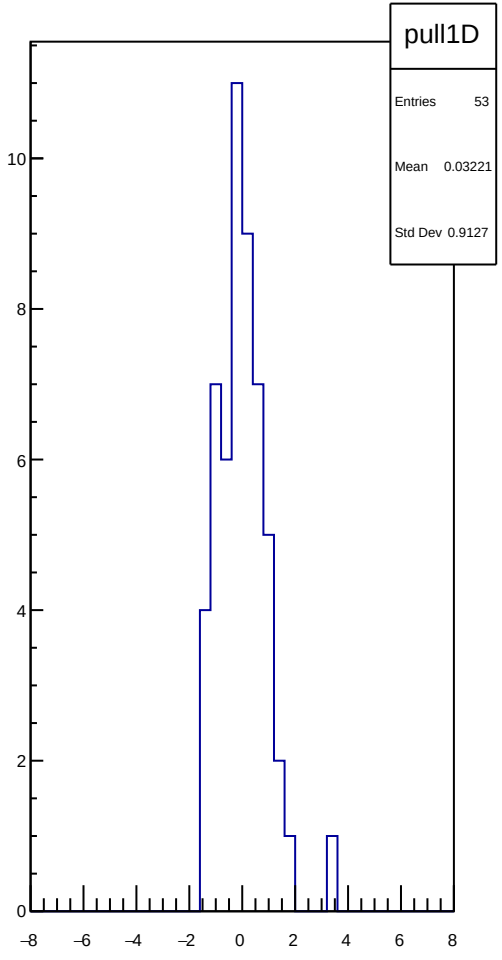

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

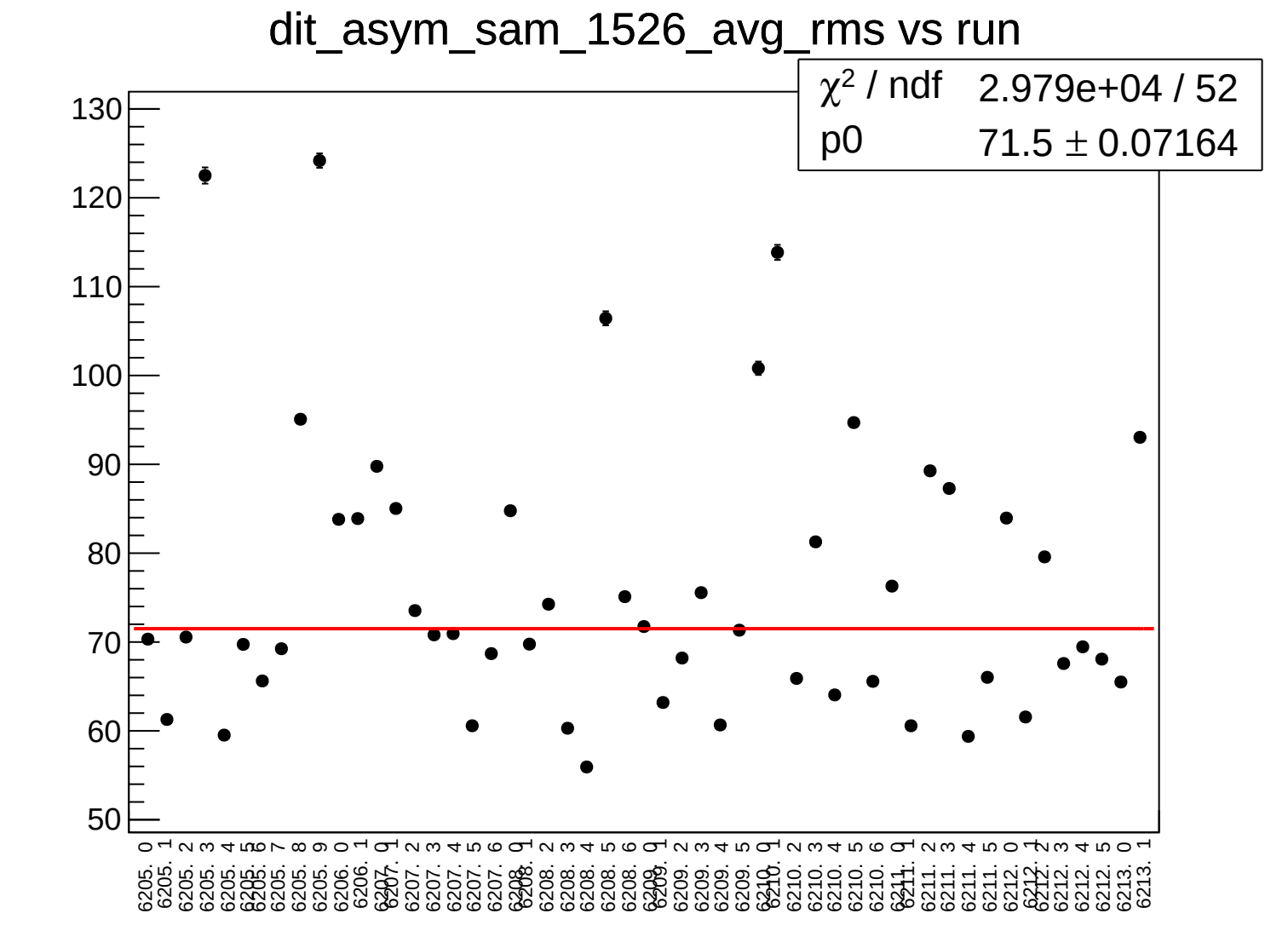

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

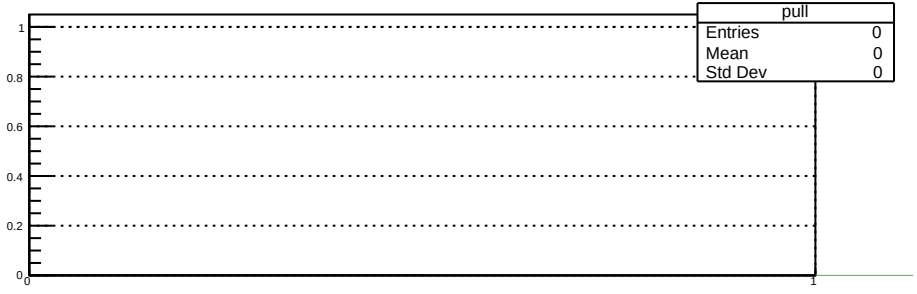

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

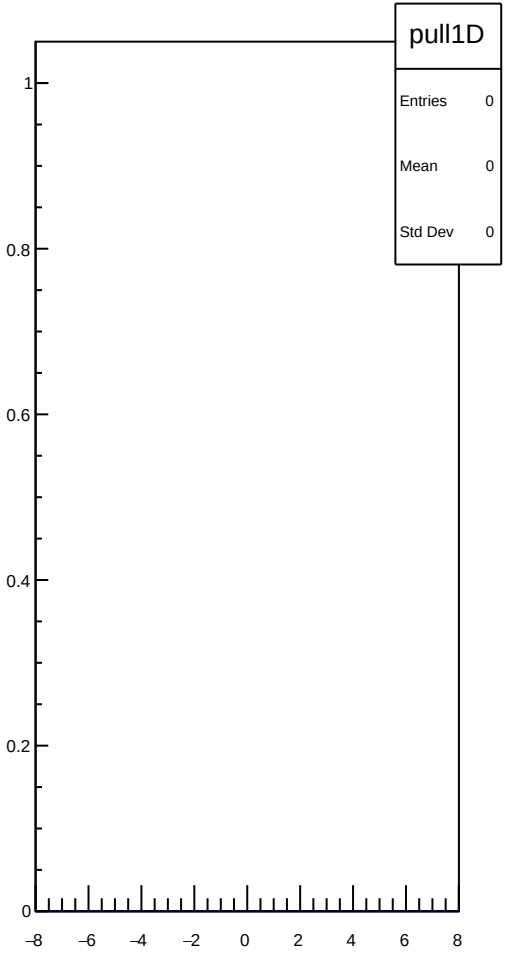

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8


dit_asym_sam_1526_avg_mean vs run
χ² / ndf 44.21 / 52
p0 28.51 ± 101.3
pull
Entries 53
Mean 24.23
Std Dev 22.65


pull1D
Entries 53
Mean 0.03221
Std Dev 0.9127


dit_asym_sam_1526_avg_rms vs run
χ² / ndf 2.979e+04 / 52
p0 71.5 ± 0.07164
130
120
110
100
90
80
70
60
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6206. 2
6206. 3
6206. 4
6206. 5
6206. 6
6206. 7
6206. 8
6206. 9
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6207. 7
6207. 8
6207. 9
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 7
6208. 8
6208. 9
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6209. 6
6209. 7
6209. 8
6209. 9
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6210. 7
6210. 8
6210. 9
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1


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
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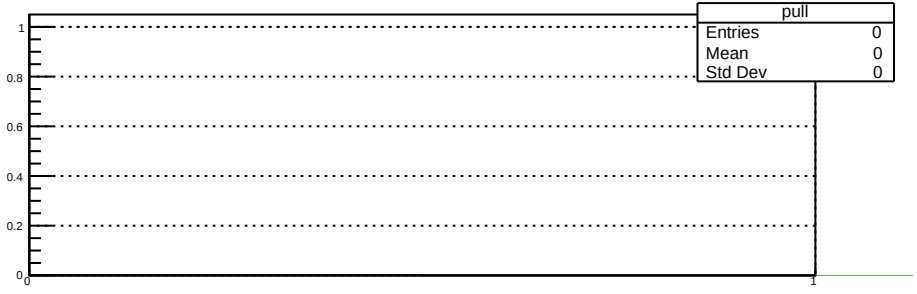
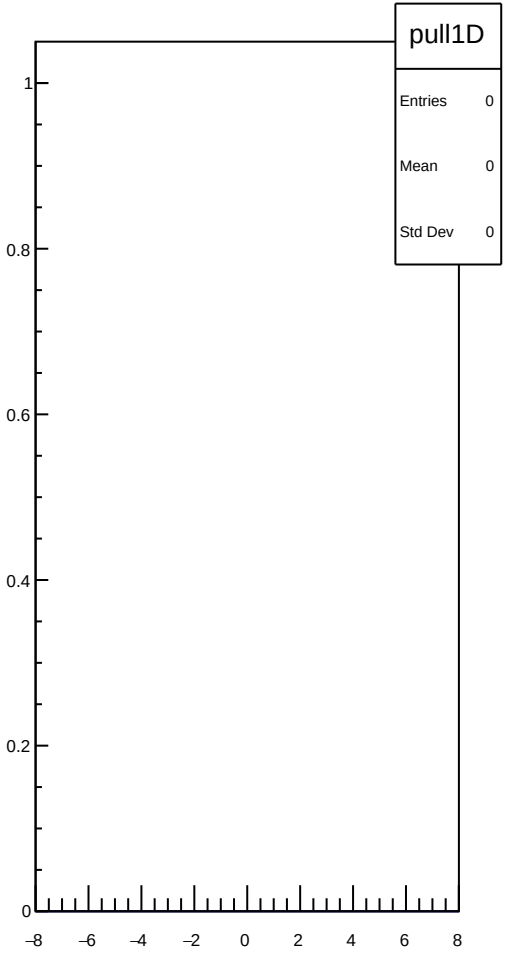
0
2
4
6
8


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
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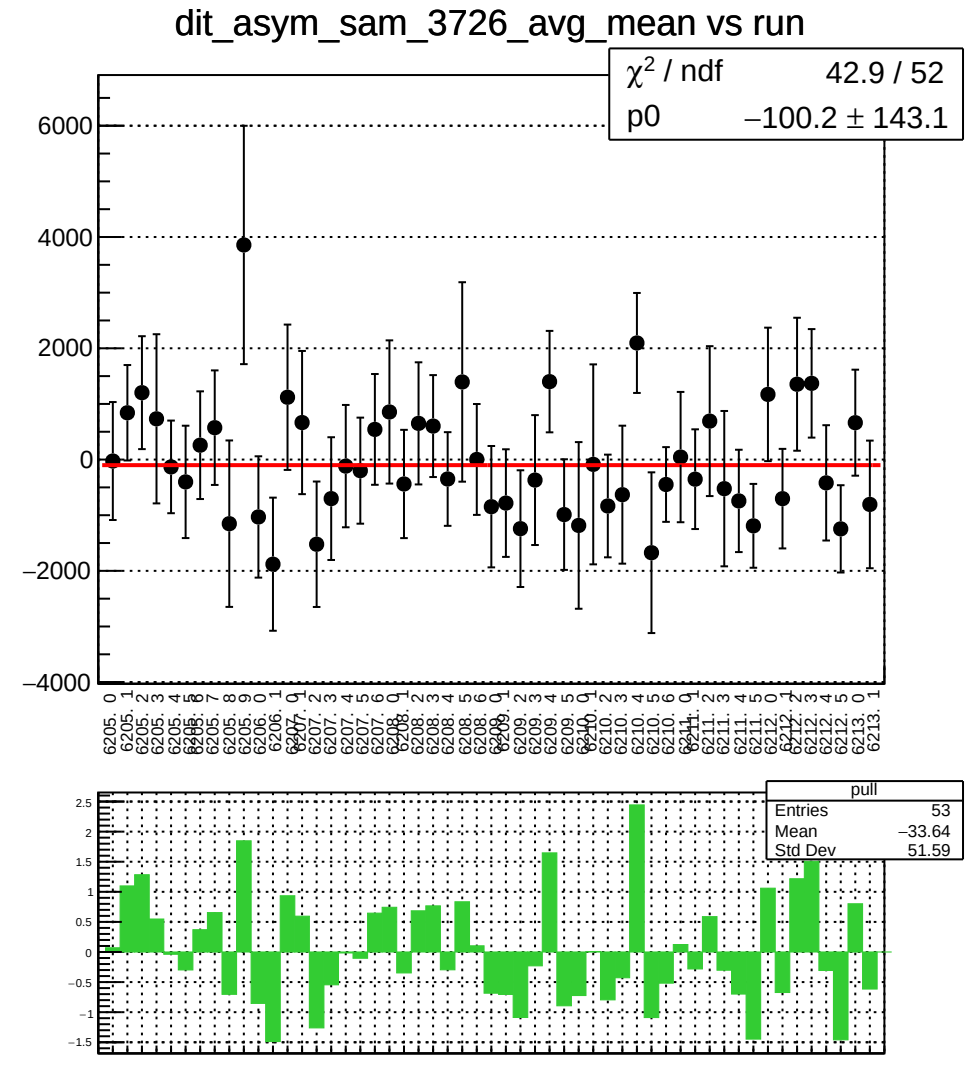
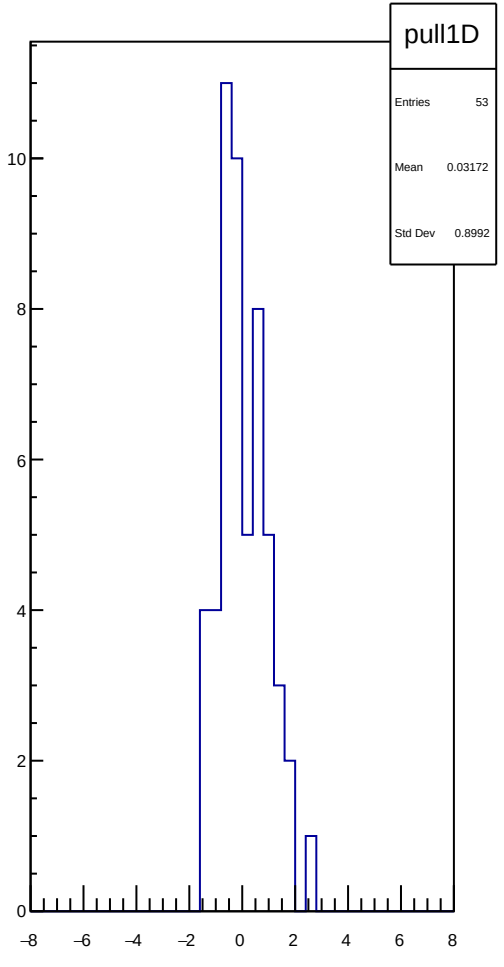
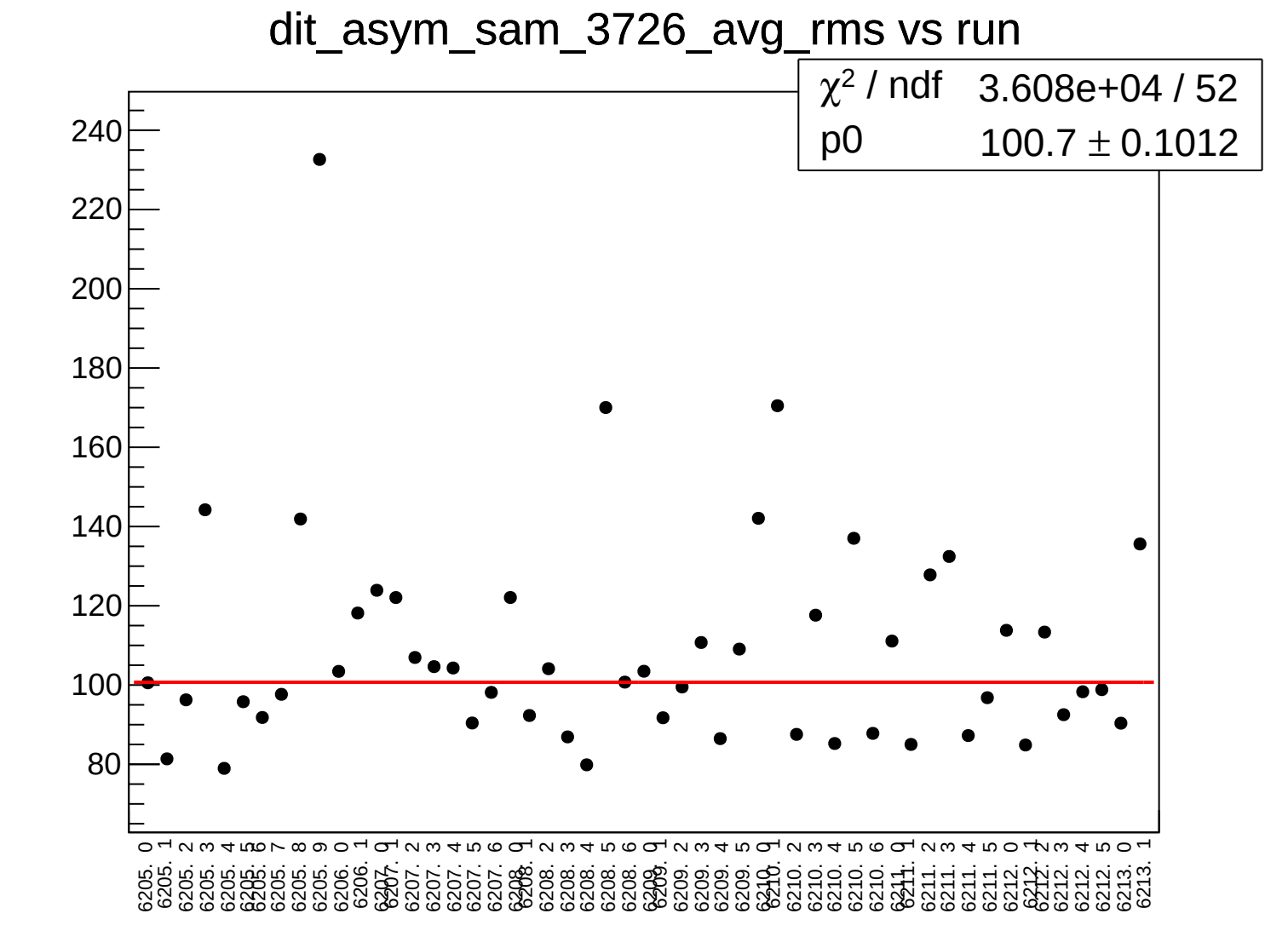
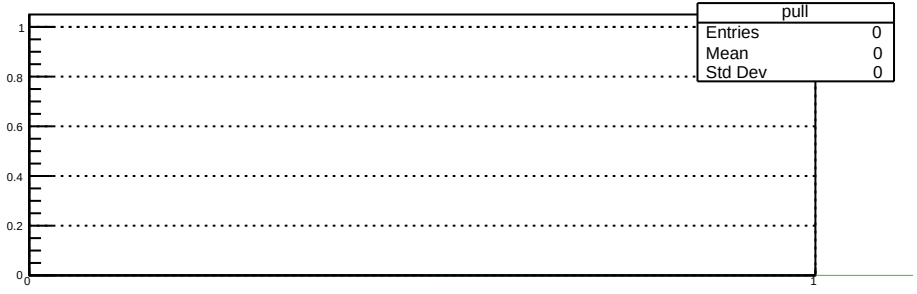
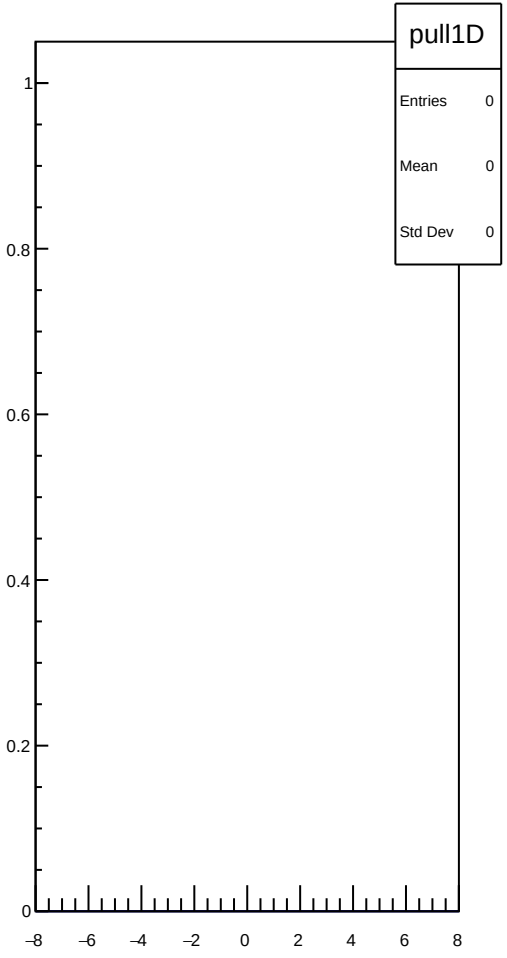
2
4
6
8


dit_asym_sam_3726_avg_mean vs run
χ² / ndf 42.9 / 52
p0 −100.2 ± 143.1
pull
Entries 53
Mean −33.64
Std Dev 51.59


pull1D
Entries 53
Mean 0.03172
Std Dev 0.8992


dit_asym_sam_3726_avg_rms vs run
χ² / ndf 3.608e+04 / 52
p0 100.7 ± 0.1012
240
220
200
180
160
140
120
100
80
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1


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
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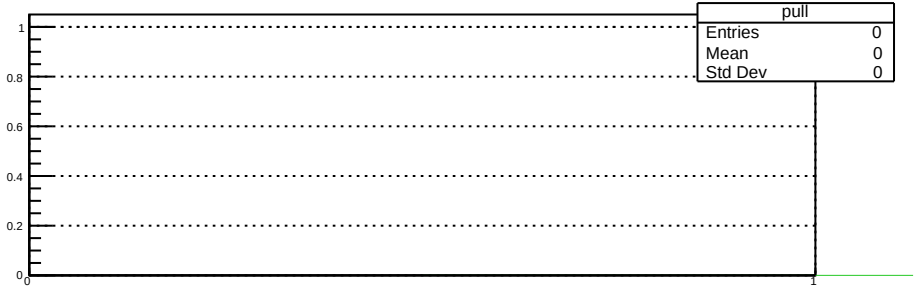
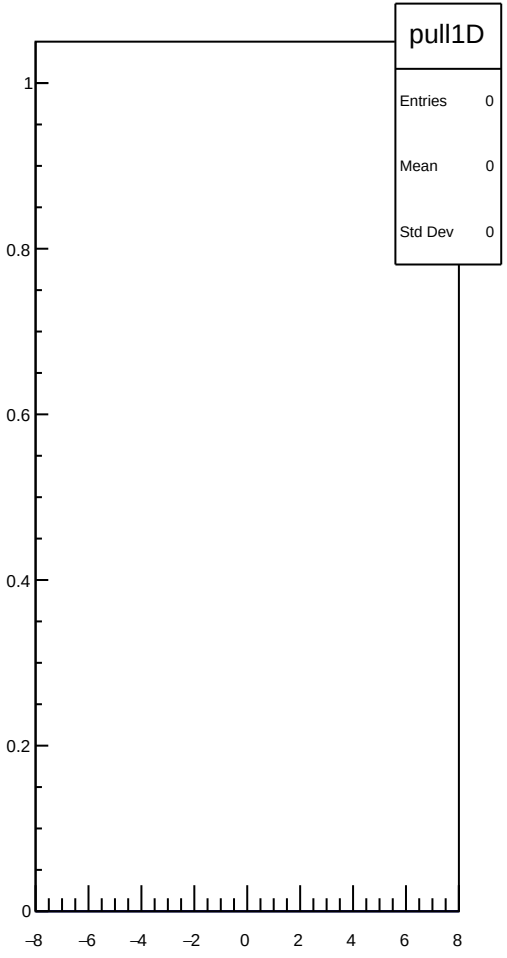
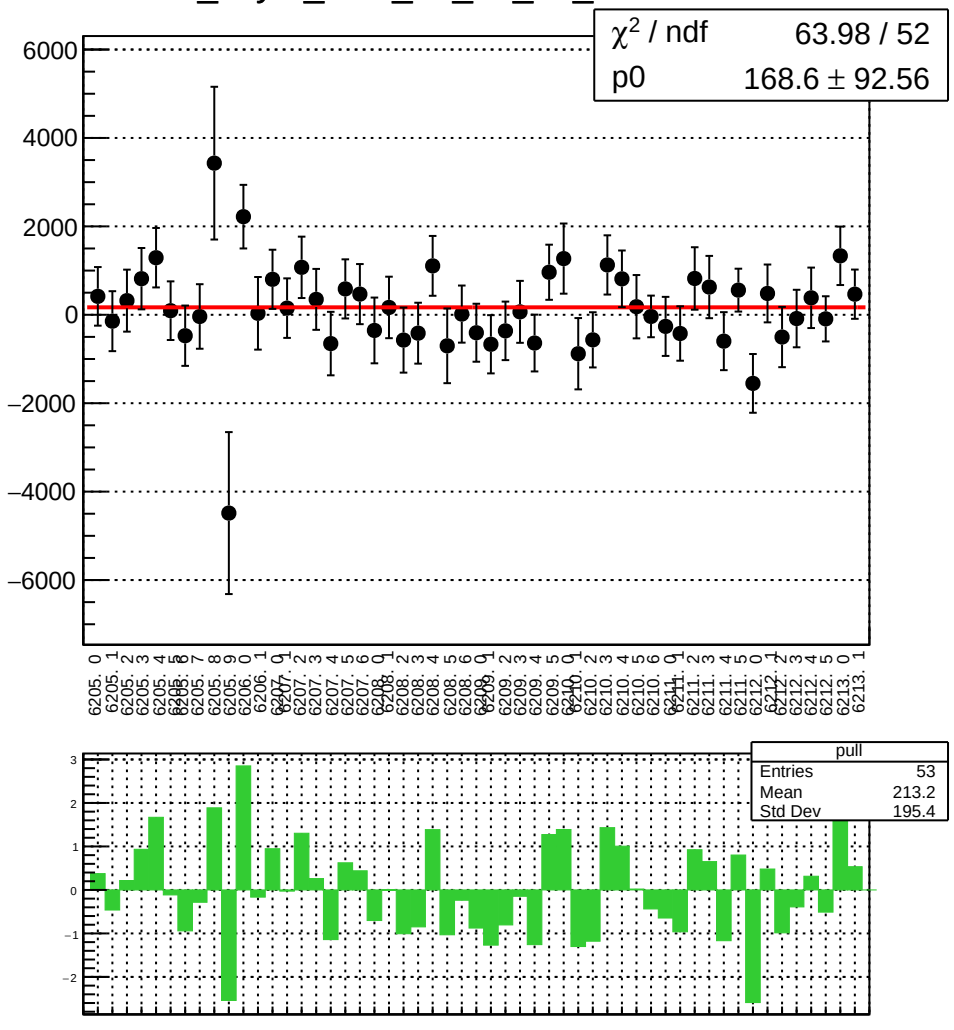
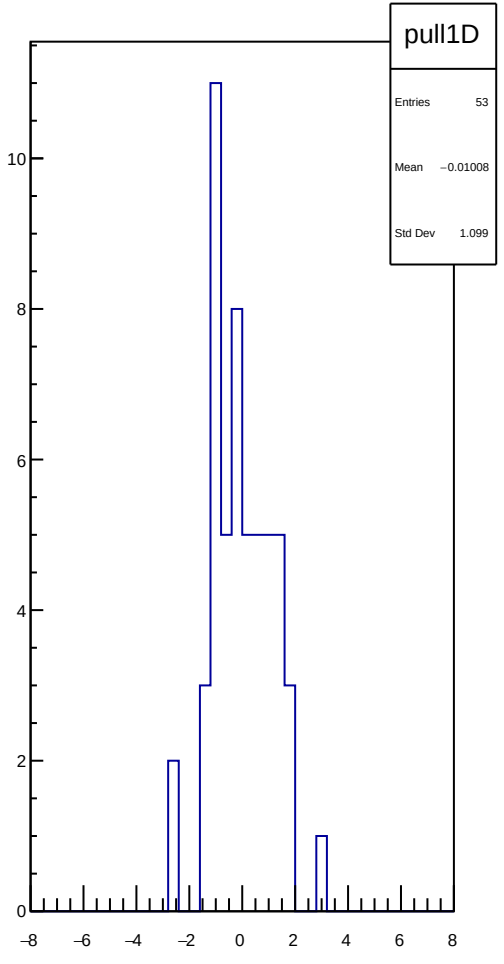
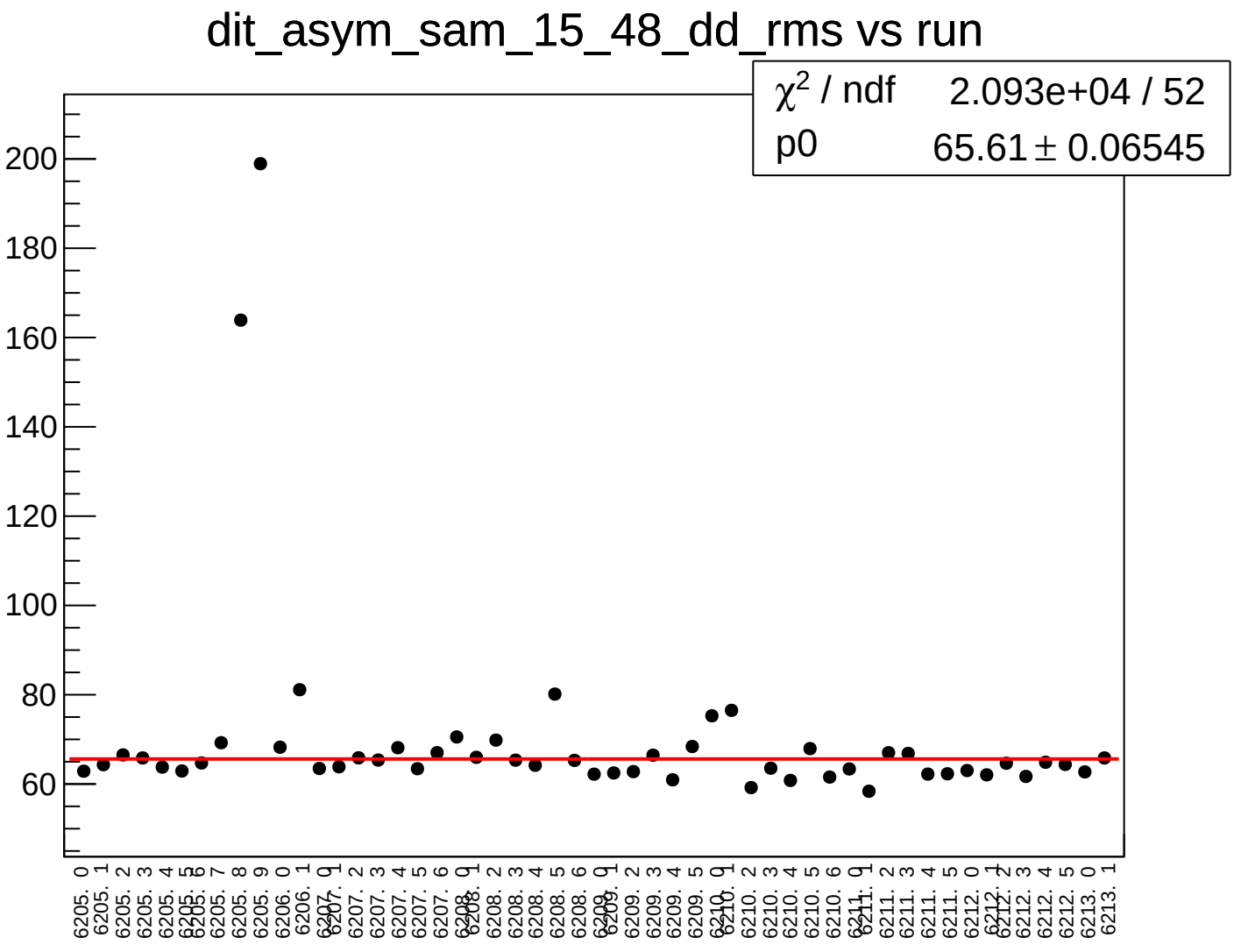
2
4
6
8

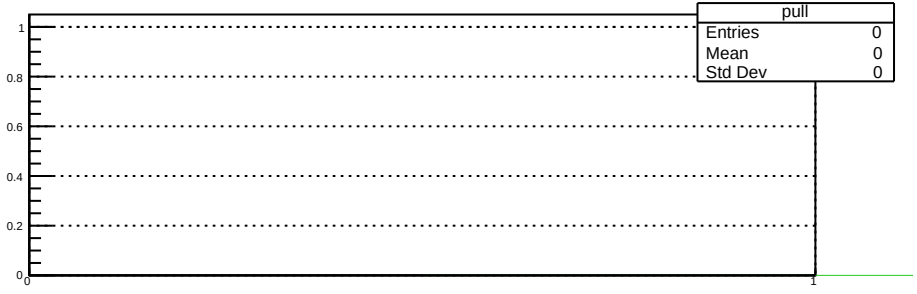

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

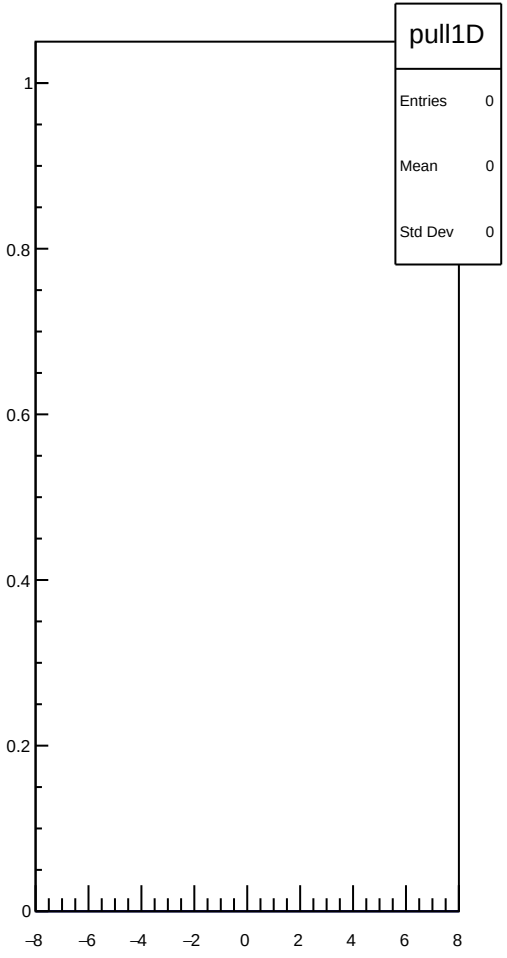

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

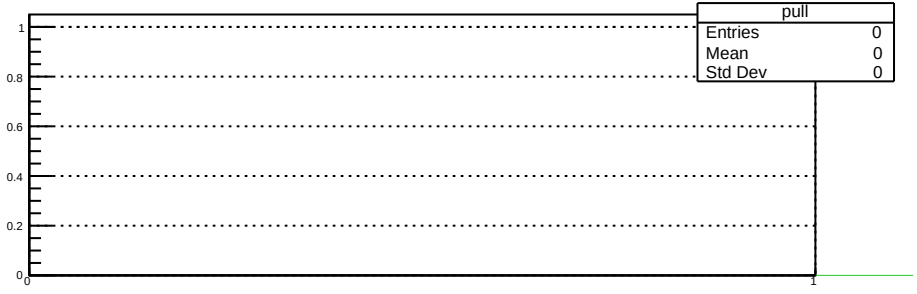

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 63.98 / 52
p0 168.6 ± 92.56
pull
Entries 53
Mean 213.2
Std Dev 195.4

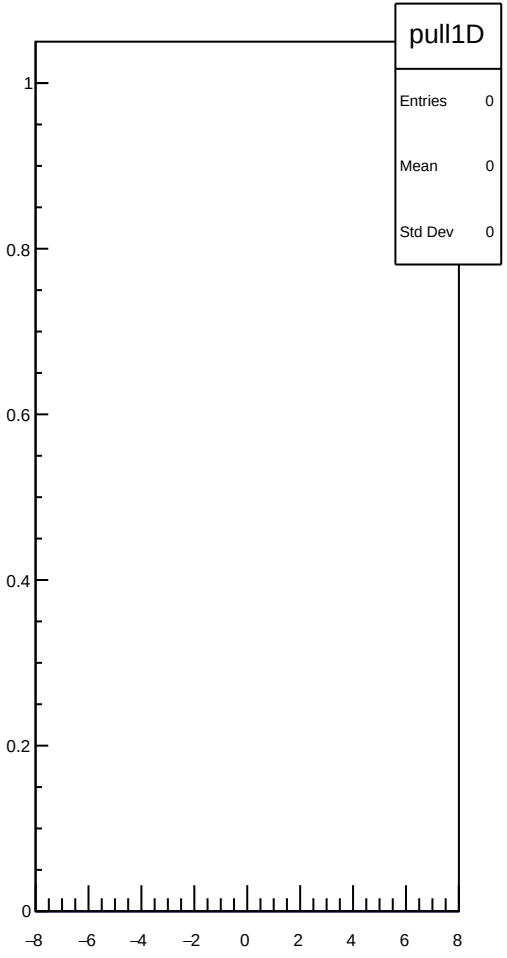

pull1D
Entries 53
Mean −0.01008
Std Dev 1.099

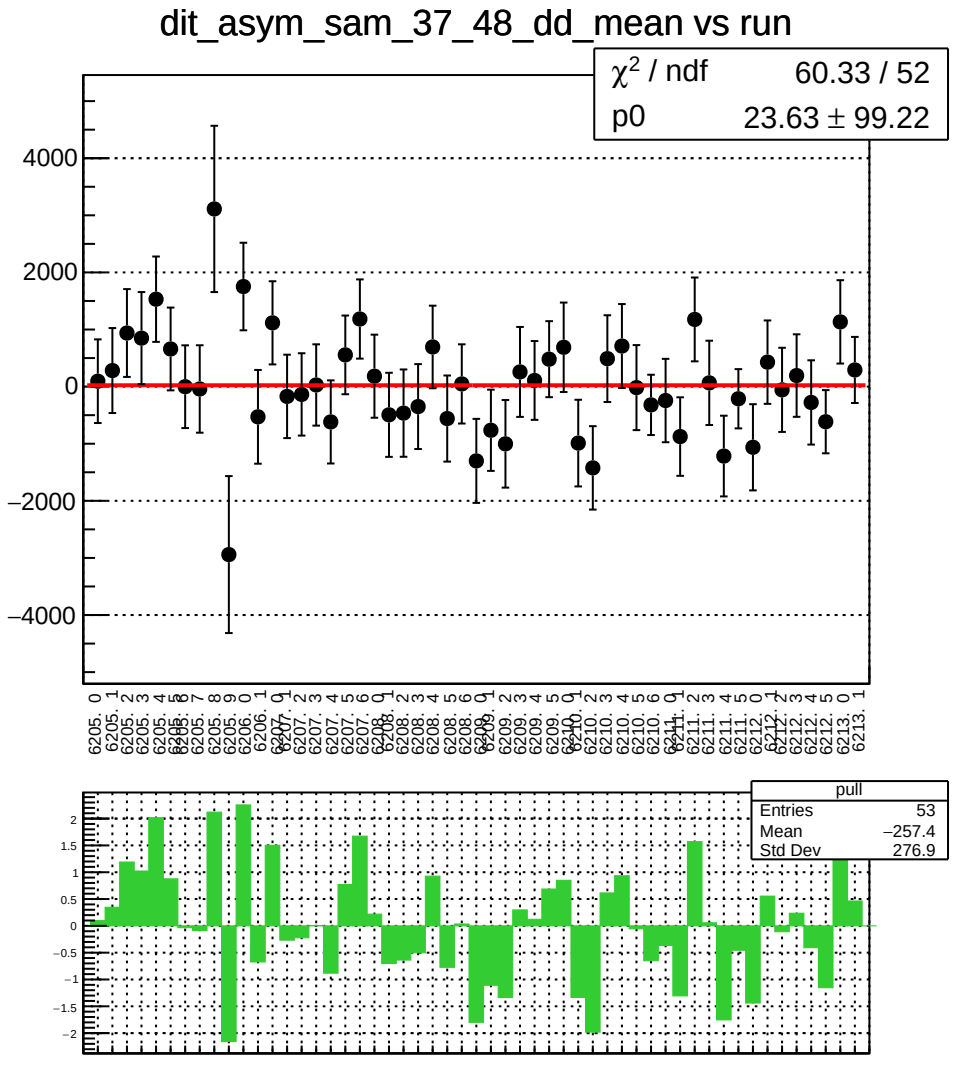

dit_asym_sam_15_48_dd_rms vs run
$\chi^2$ / ndf 2.093e+04 / 52
p0 65.61 ± 0.06545
200
180
160
140
120
100
80
60
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

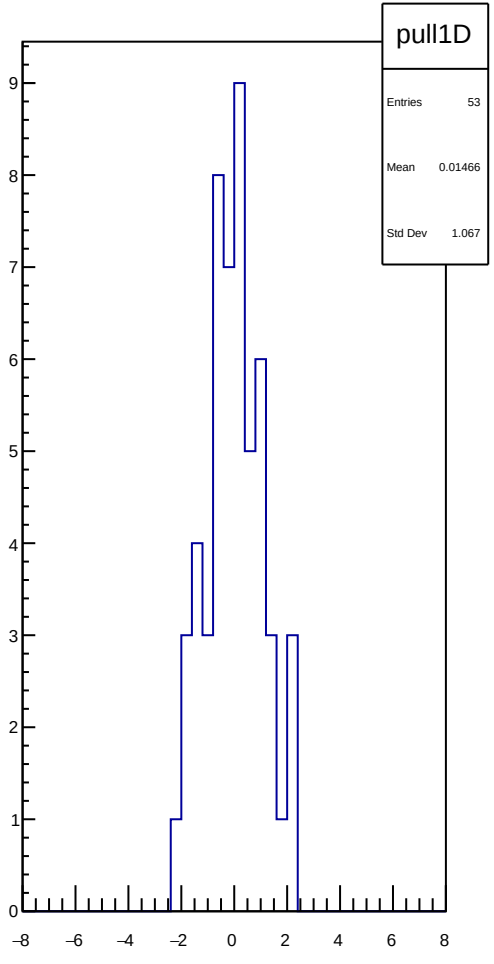

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

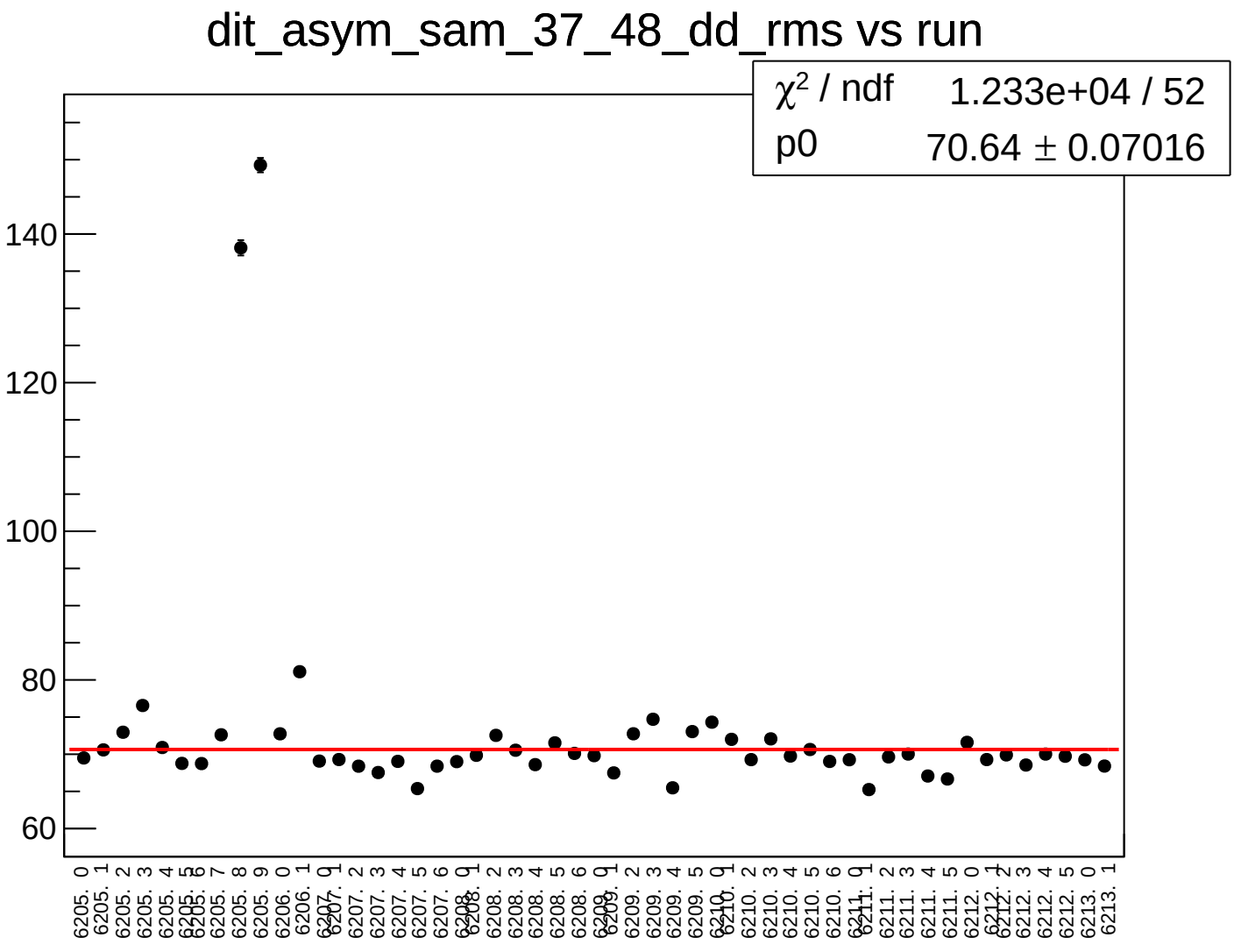

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

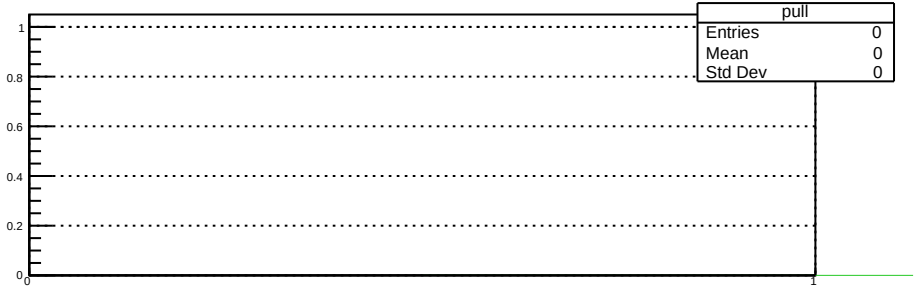

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

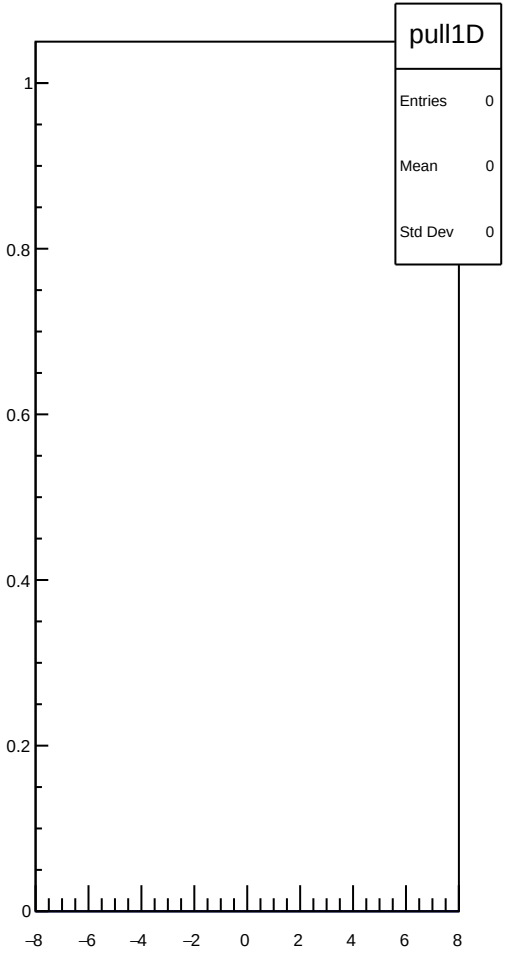

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

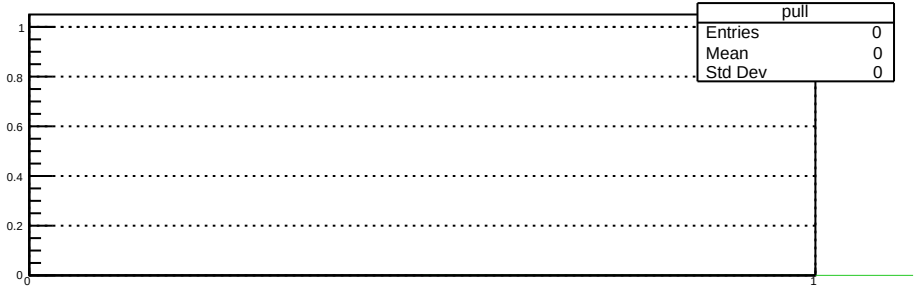

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 60.33 / 52
p0 23.63 ± 99.22
4000
2000
0
−2000
−4000
pull
Entries 53
Mean −257.4
Std Dev 276.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

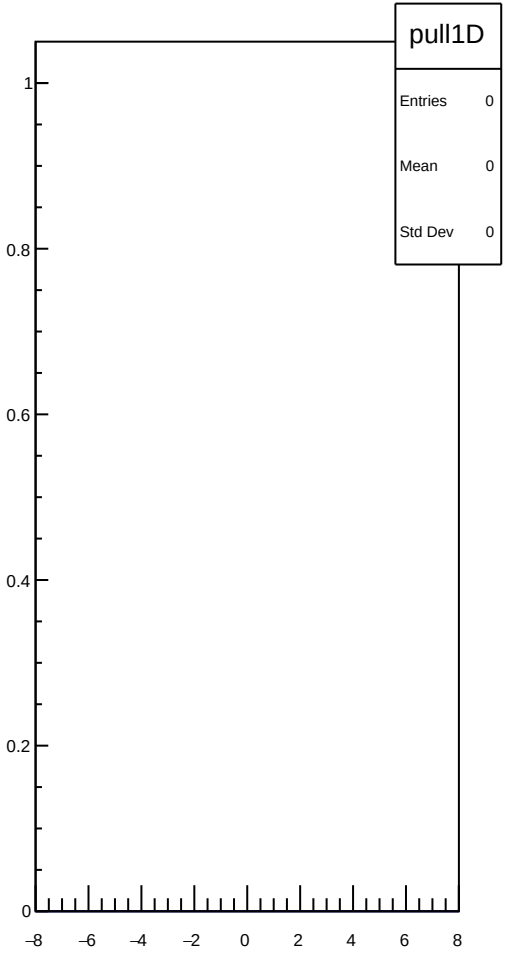

pull1D
Entries 53
Mean 0.01466
Std Dev 1.067
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

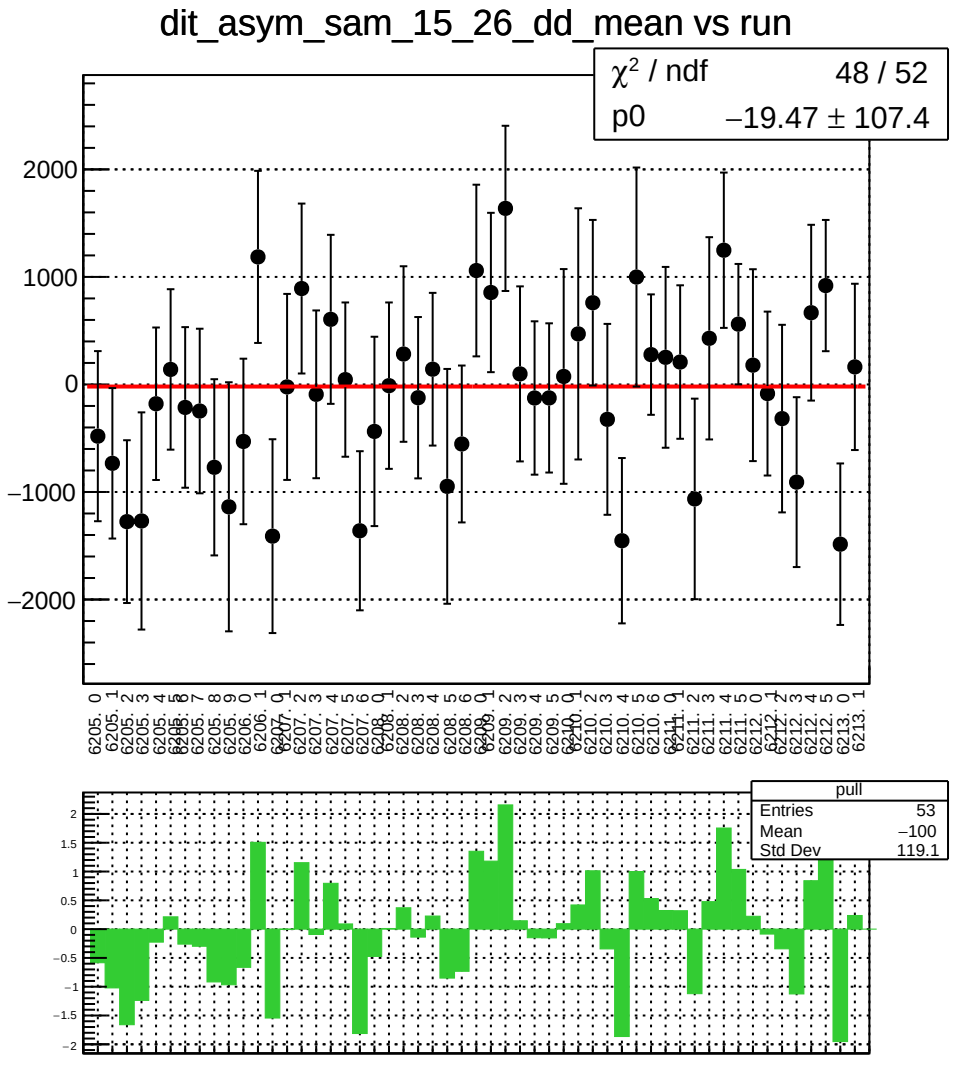

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 1.233e+04 / 52
p0 70.64 ± 0.07016
140
120
100
80
60
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

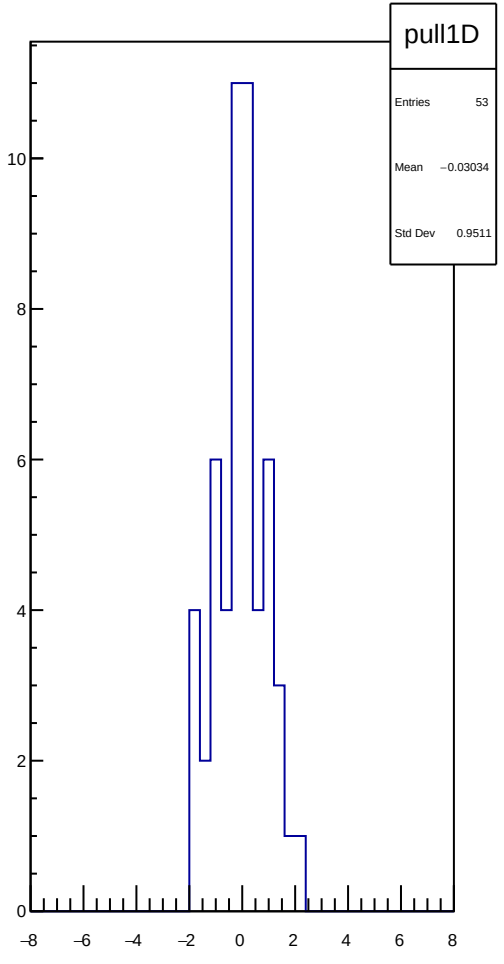

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

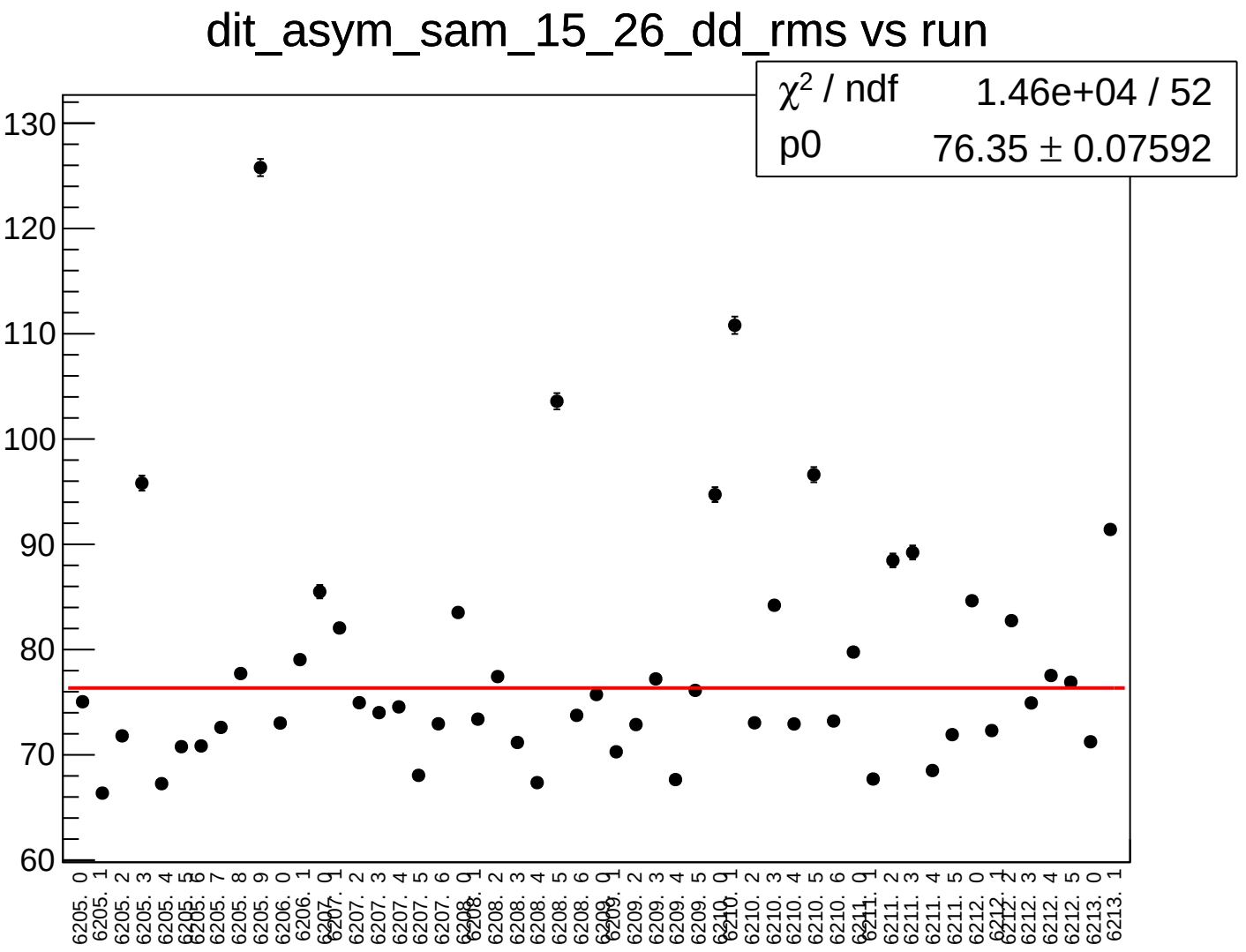

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

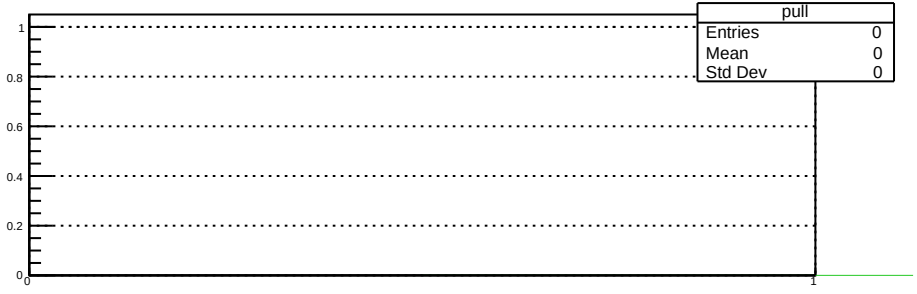

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

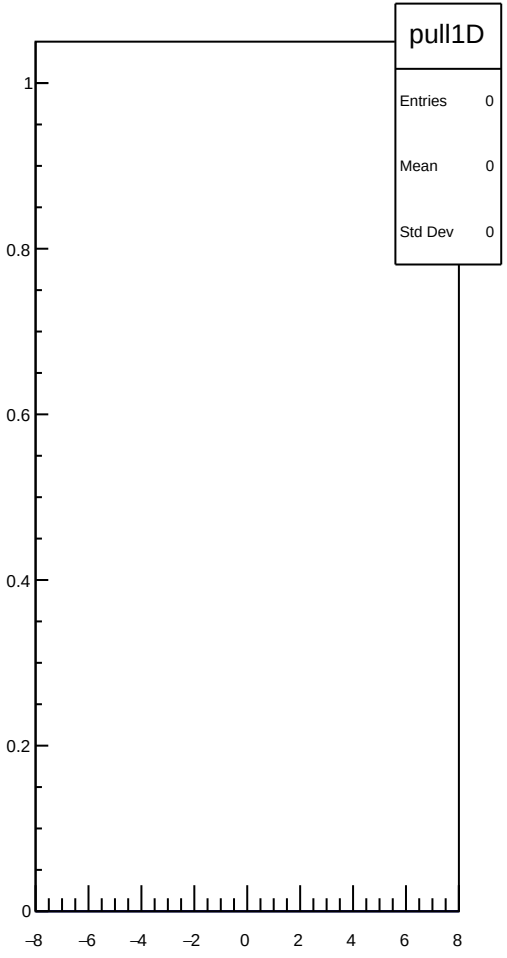

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

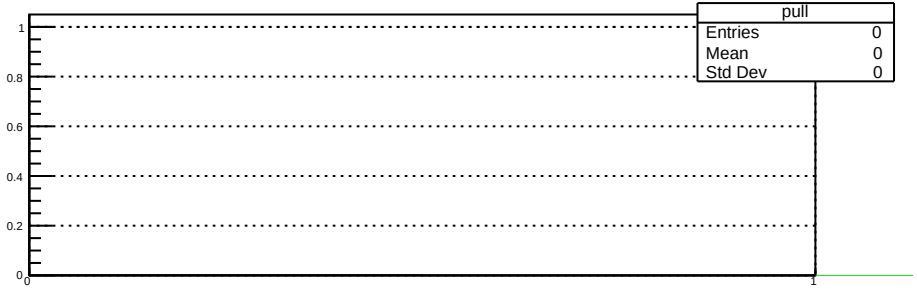

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 48 / 52
p0 −19.47 ± 107.4
2000
1000
0
−1000
−2000
pull
Entries 53
Mean −100
Std Dev 119.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

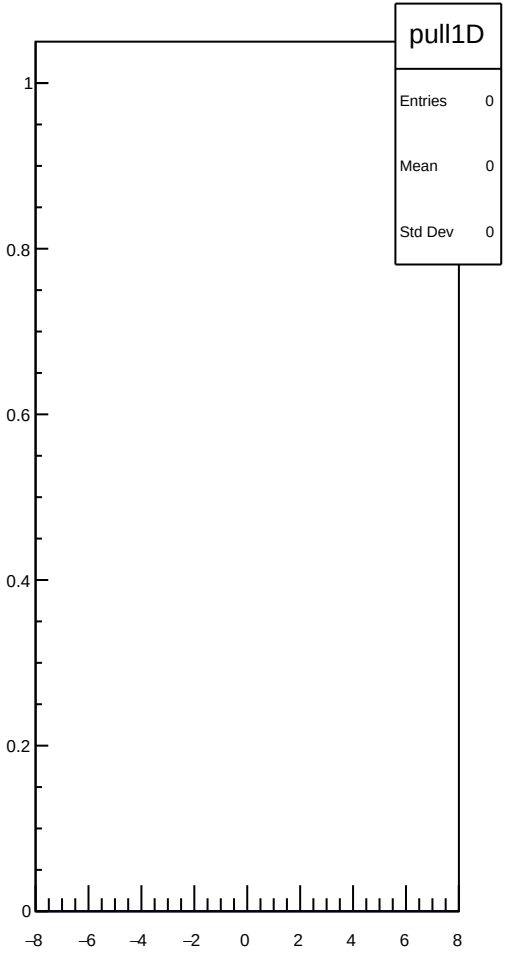

pull1D
Entries 53
Mean −0.03034
Std Dev 0.9511
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

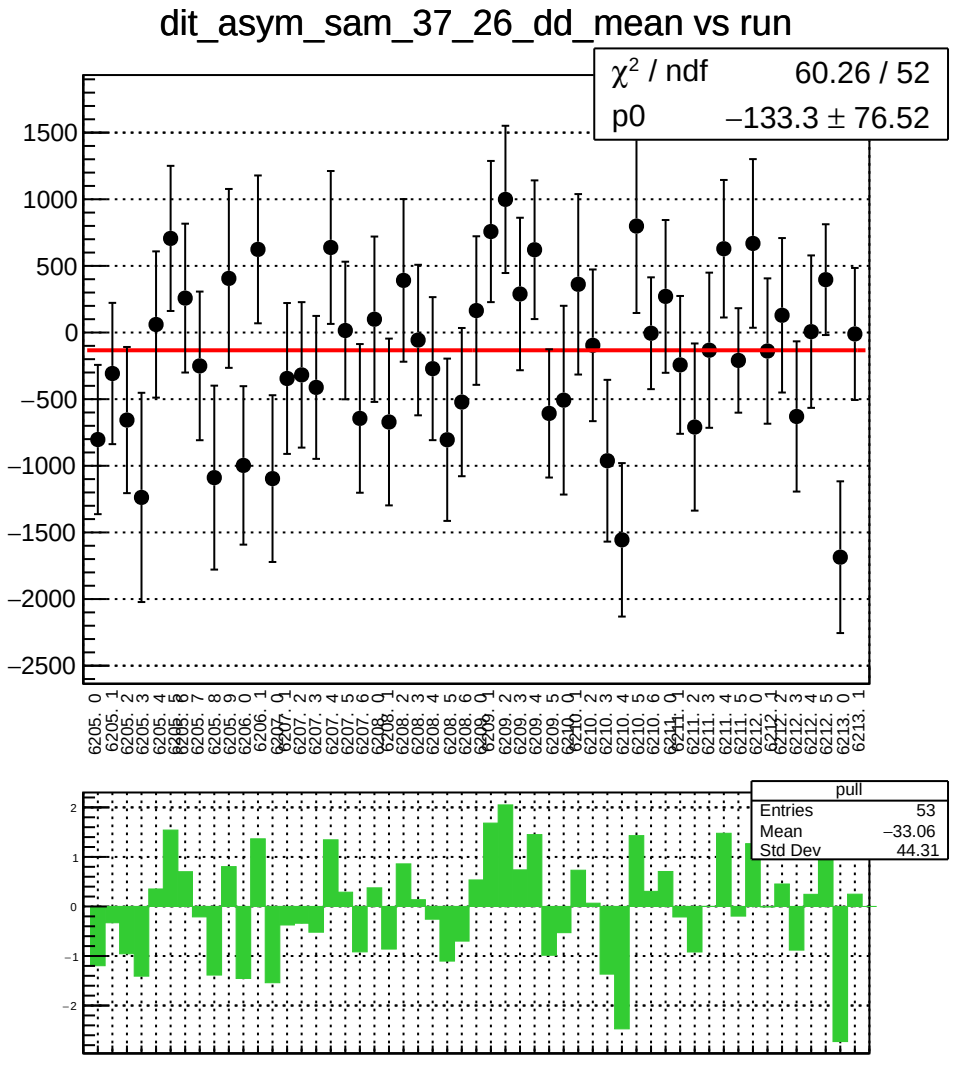

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 1.46e+04 / 52
p0 76.35 ± 0.07592
130
120
110
100
90
80
70
60
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6206. 2
6206. 3
6206. 4
6206. 5
6206. 6
6206. 7
6206. 8
6206. 9
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6207. 7
6207. 8
6207. 9
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 7
6208. 8
6208. 9
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6209. 6
6209. 7
6209. 8
6209. 9
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6210. 7
6210. 8
6210. 9
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

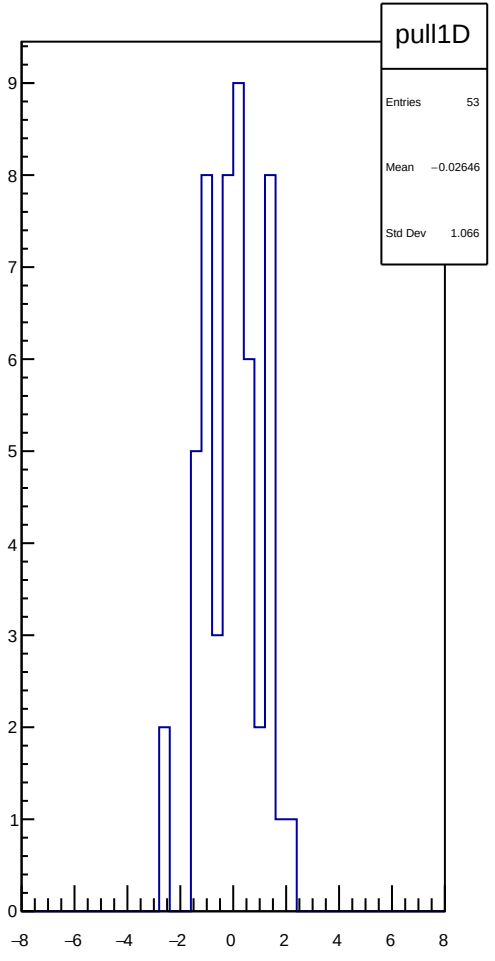

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

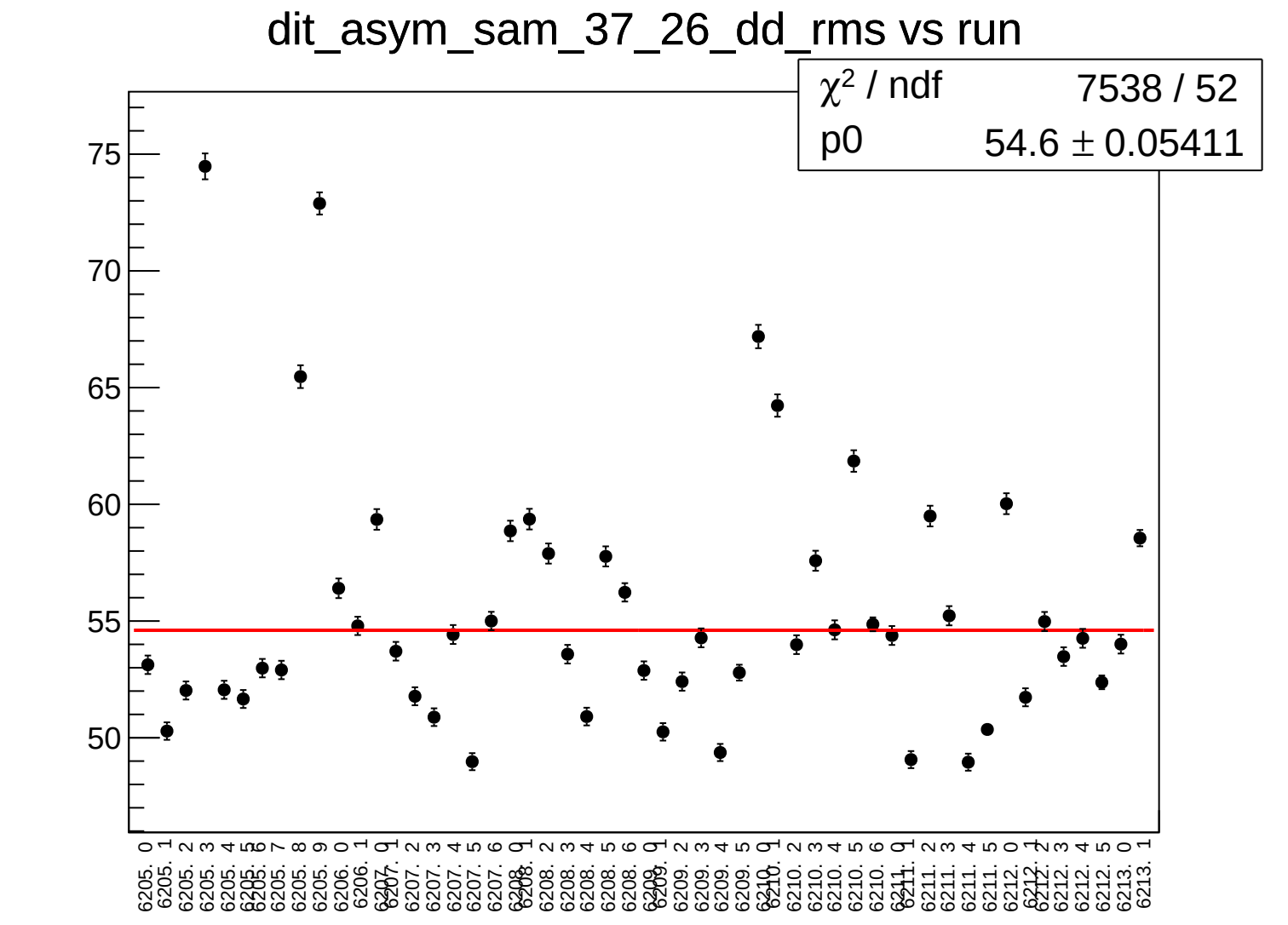

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

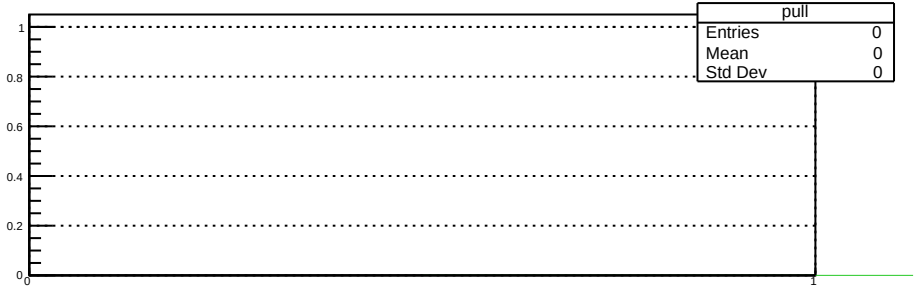

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

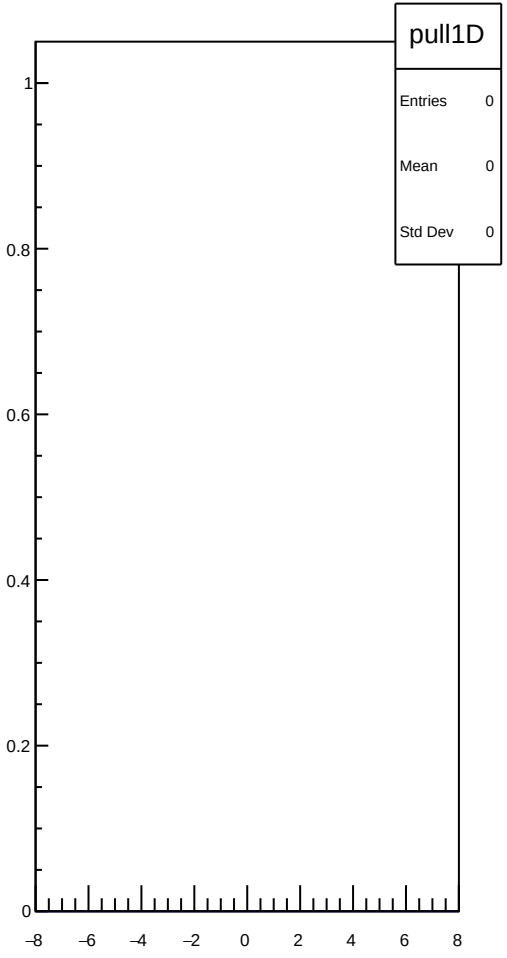

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

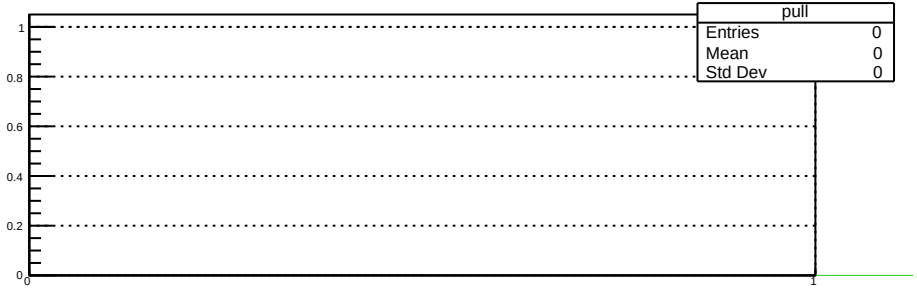

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 60.26 / 52
p0 −133.3 ± 76.52
pull
Entries 53
Mean −33.06
Std Dev 44.31

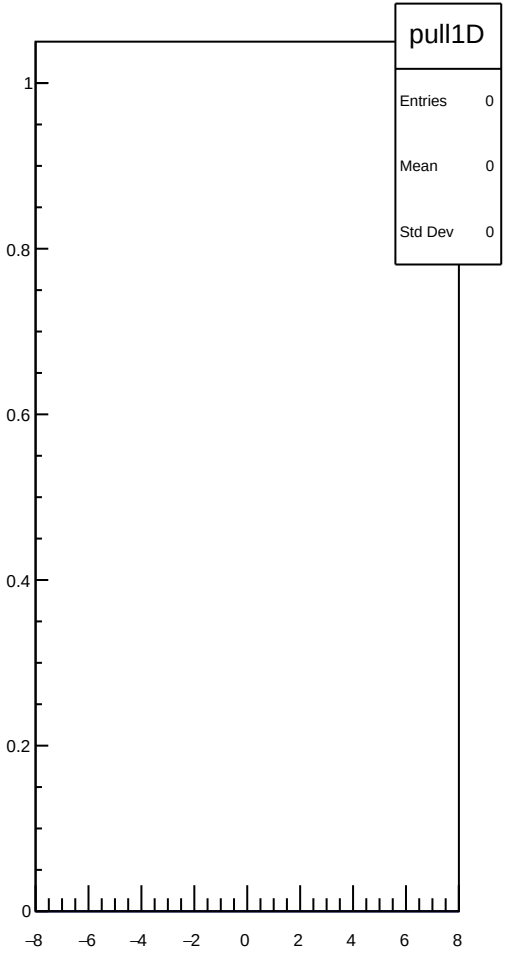

pull1D
Entries 53
Mean −0.02646
Std Dev 1.066

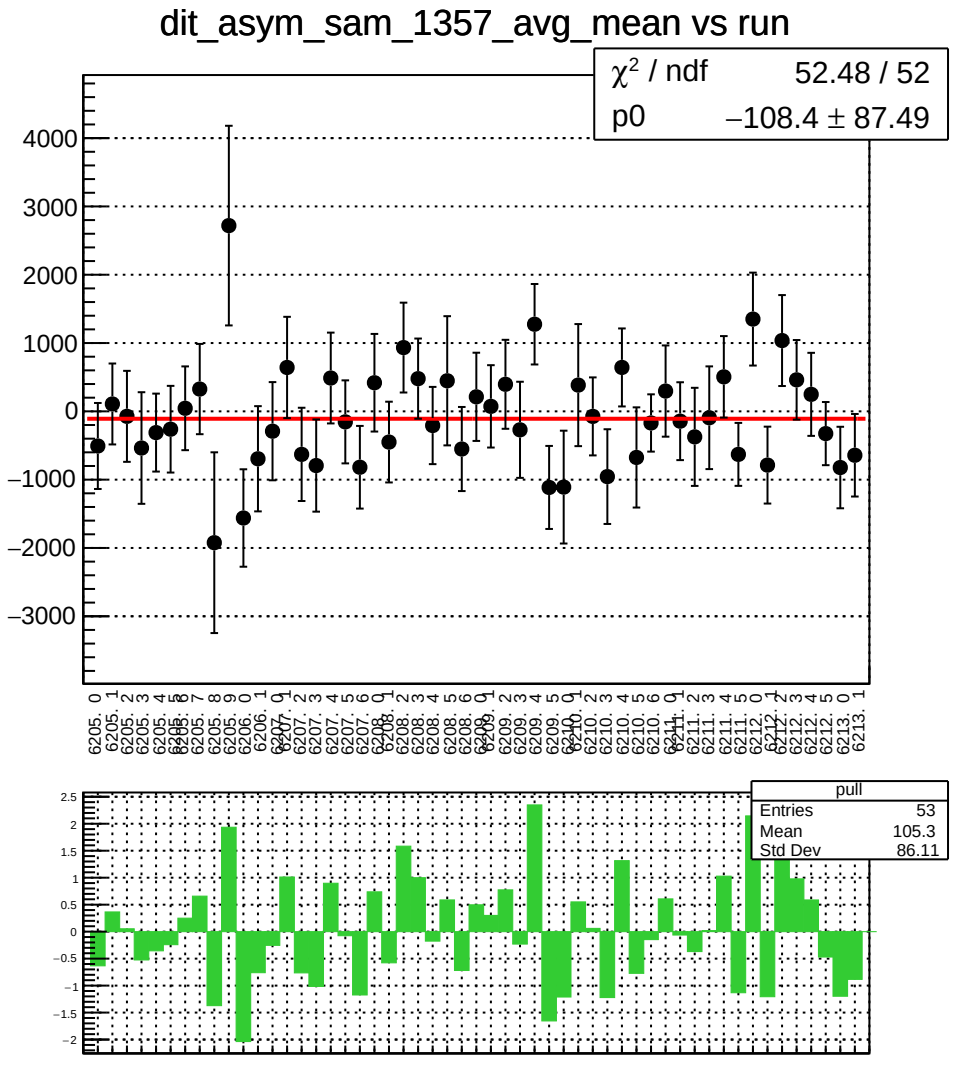

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 7538 / 52
p0 54.6 ± 0.05411
75
70
65
60
55
50
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 9
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

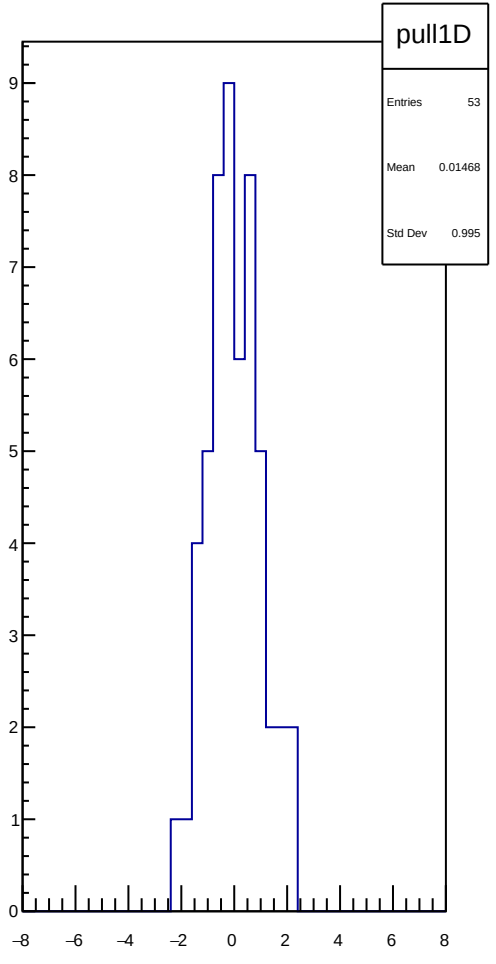

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

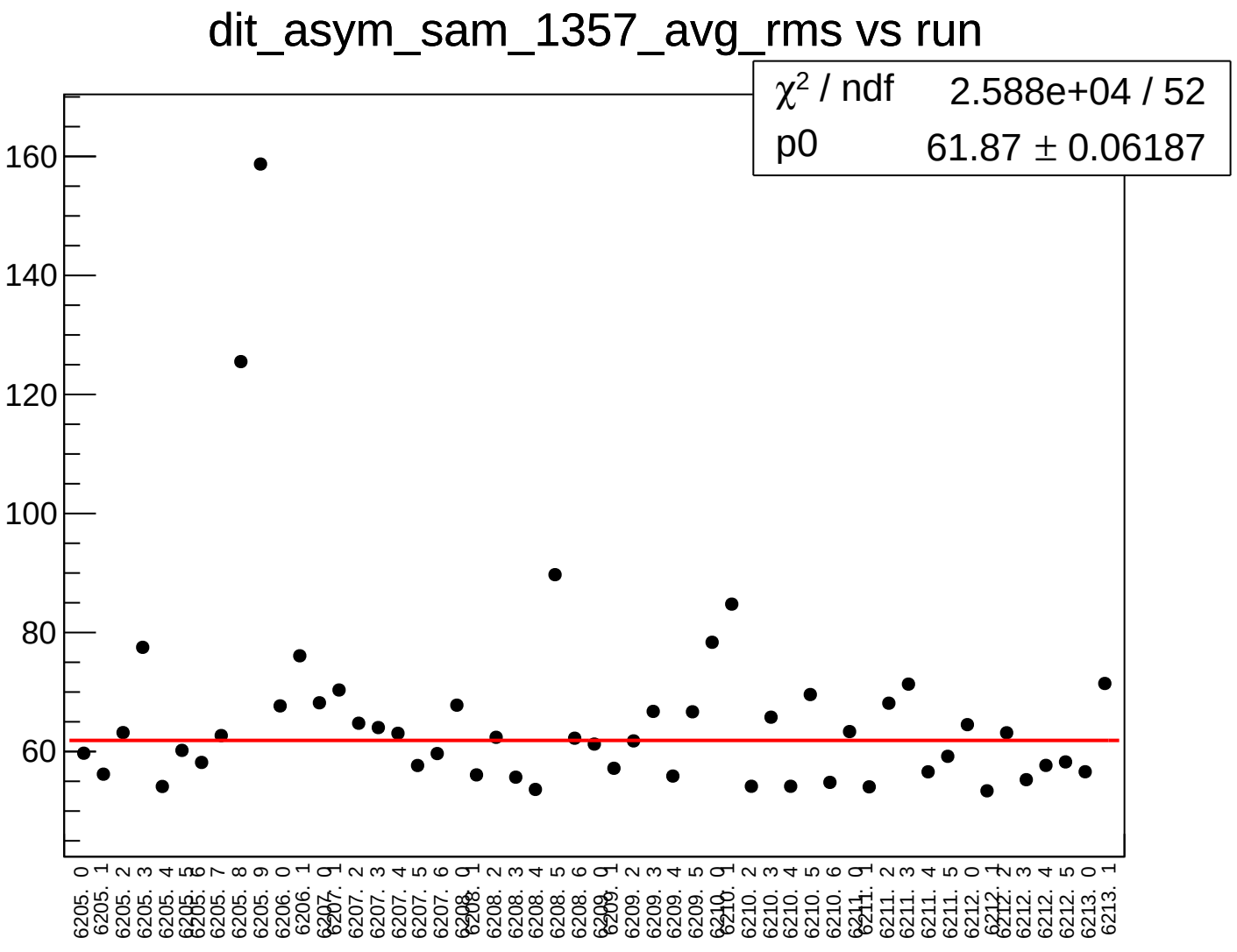

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

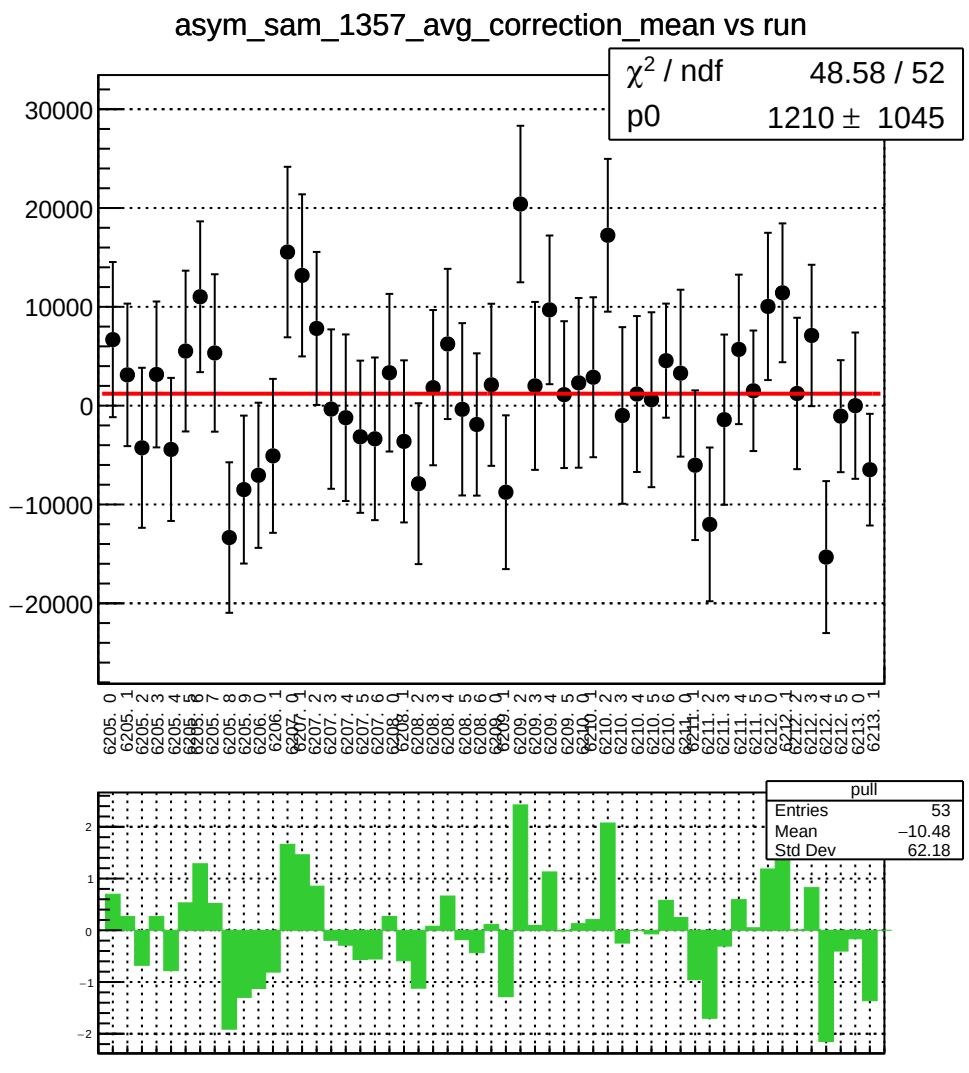

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

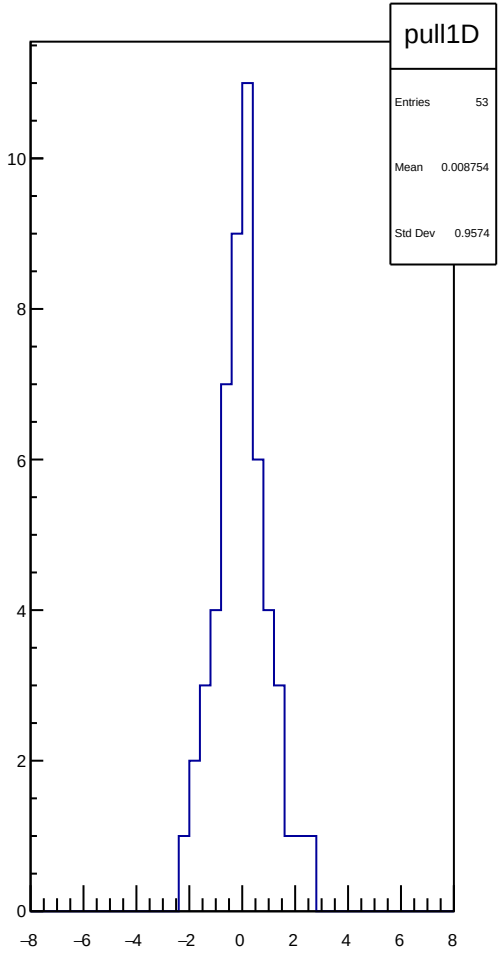

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

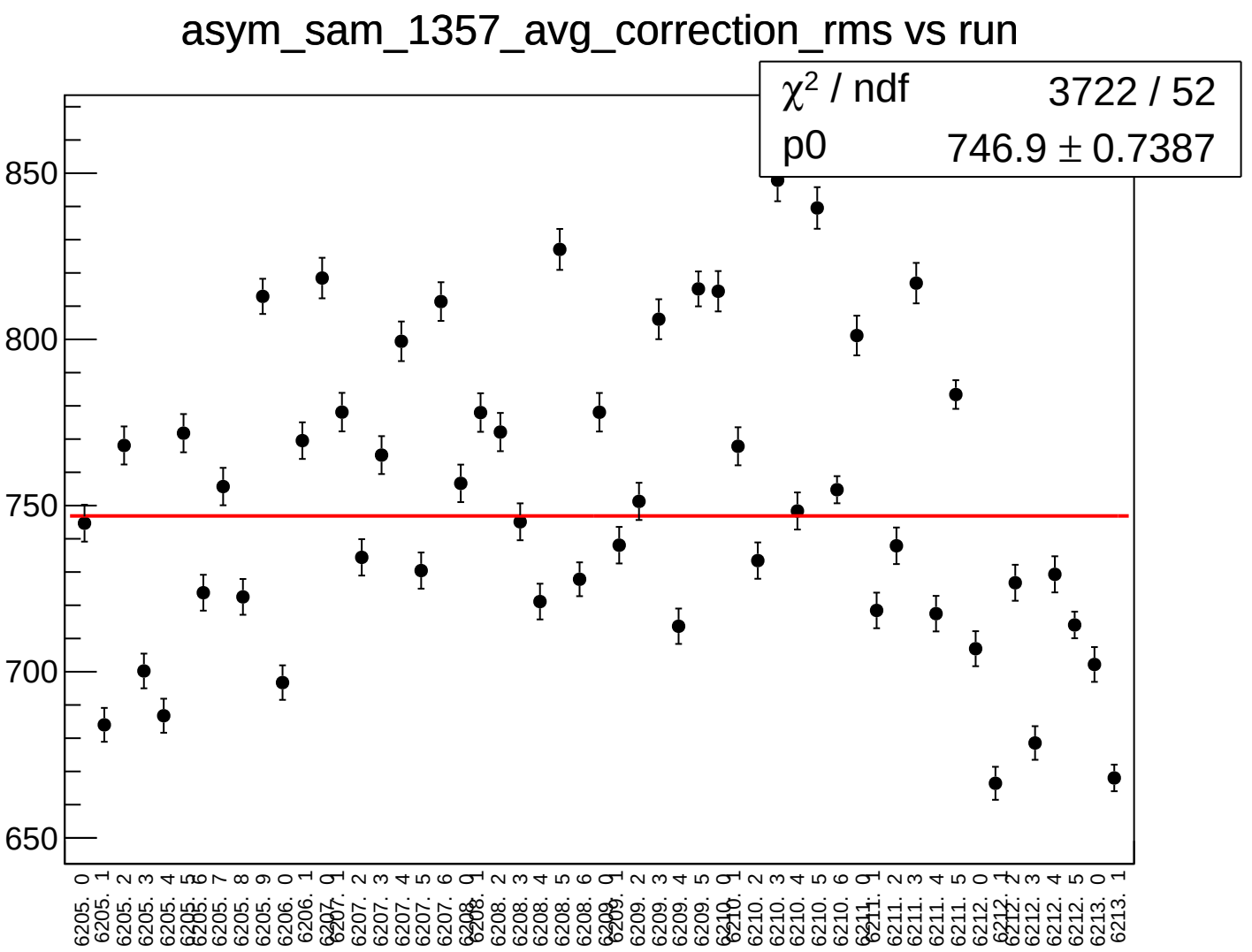

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 52.48 / 52
p0 −108.4 ± 87.49
pull
Entries 53
Mean 105.3
Std Dev 86.11

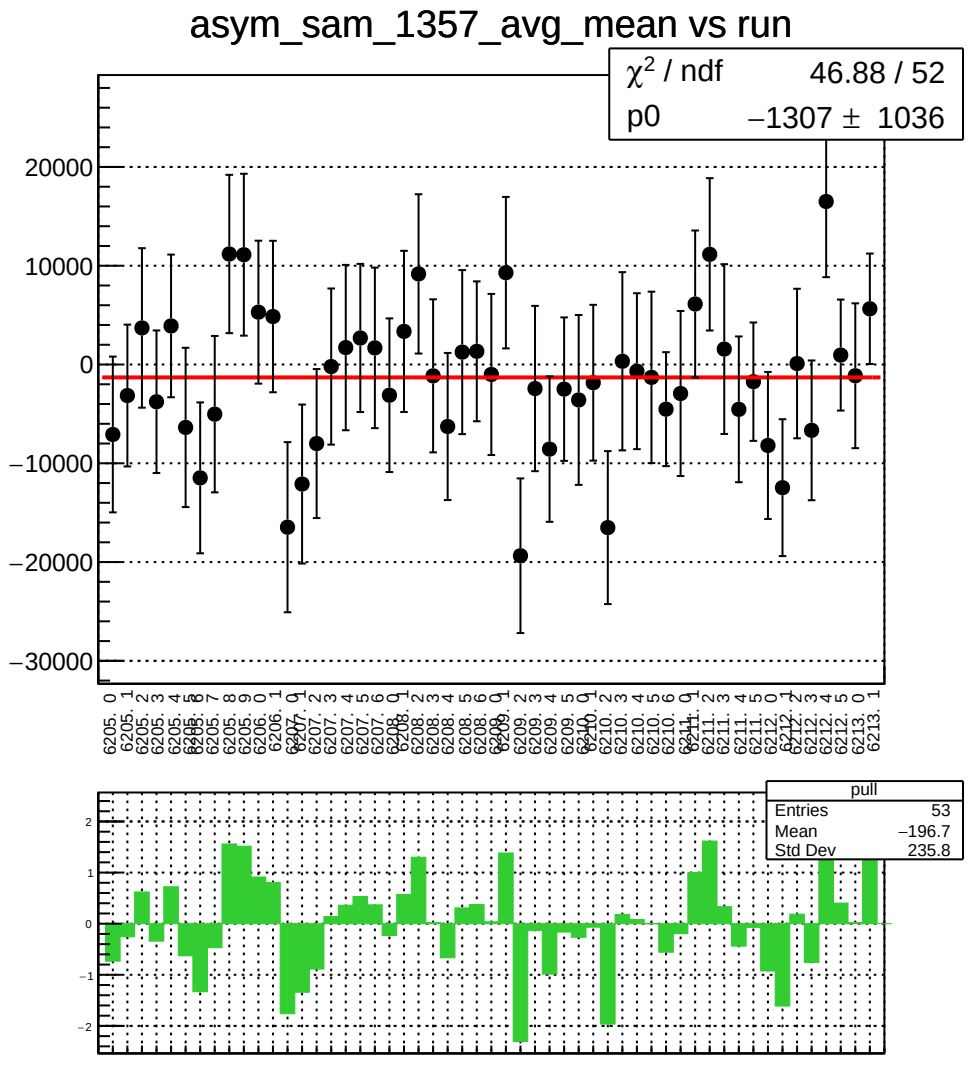

pull1D
Entries 53
Mean 0.01468
Std Dev 0.995

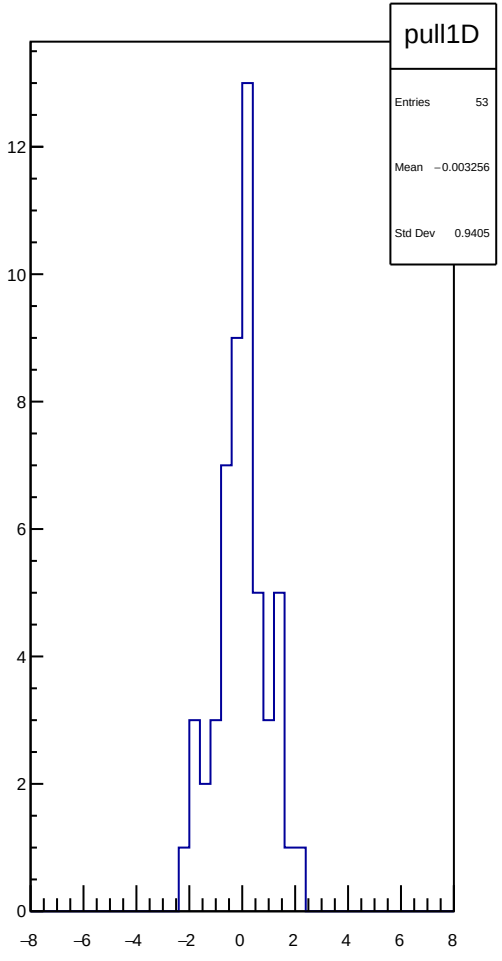

dit_asym_sam_1357_avg_rms vs run
χ² / ndf 2.588e+04 / 52
p0 61.87 ± 0.06187
160
140
120
100
80
60
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

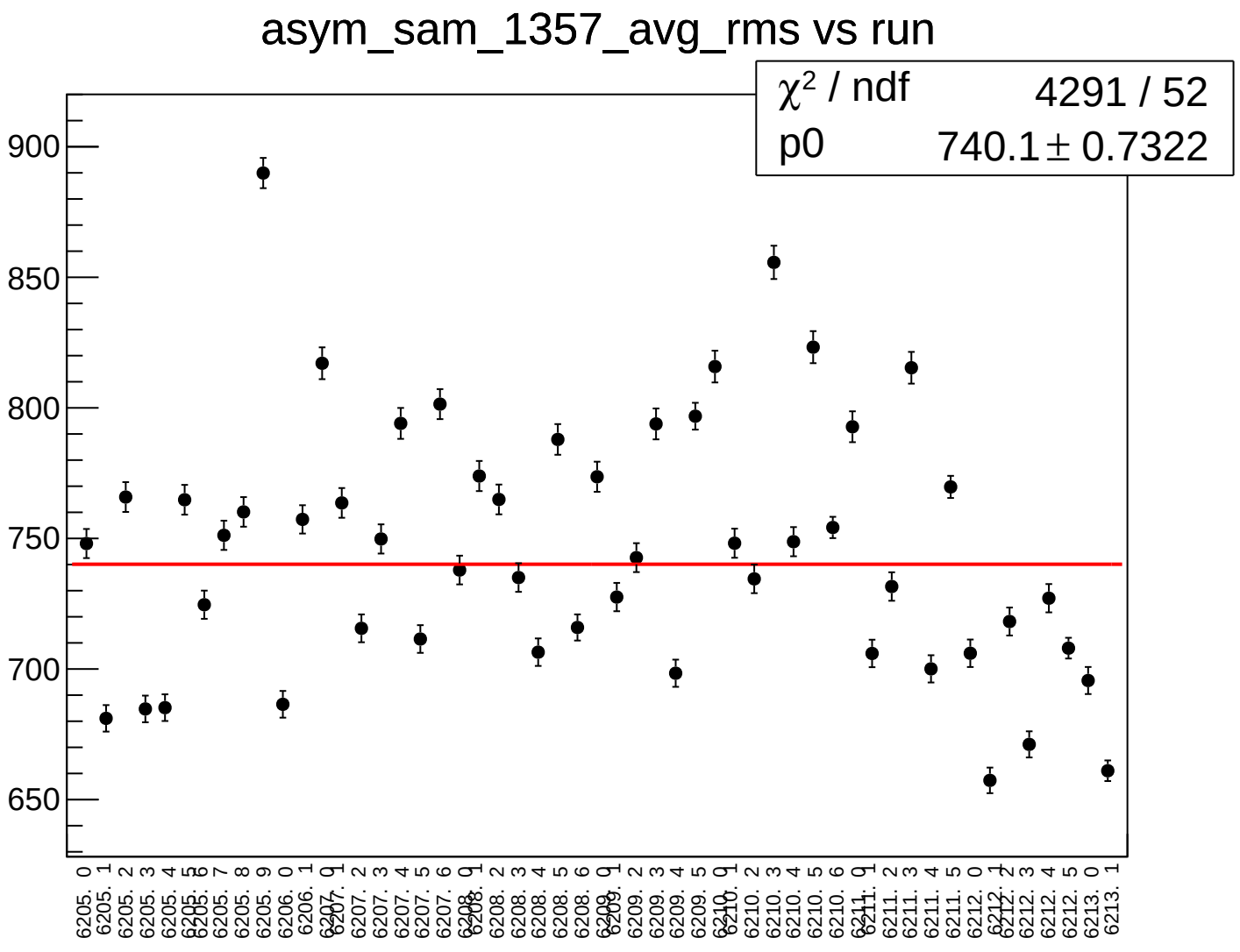

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 48.58 / 52
p0 1210 ± 1045
30000
20000
10000
0
−10000
−20000
pull
Entries 53
Mean −10.48
Std Dev 62.18
2
1
0
−1
−2

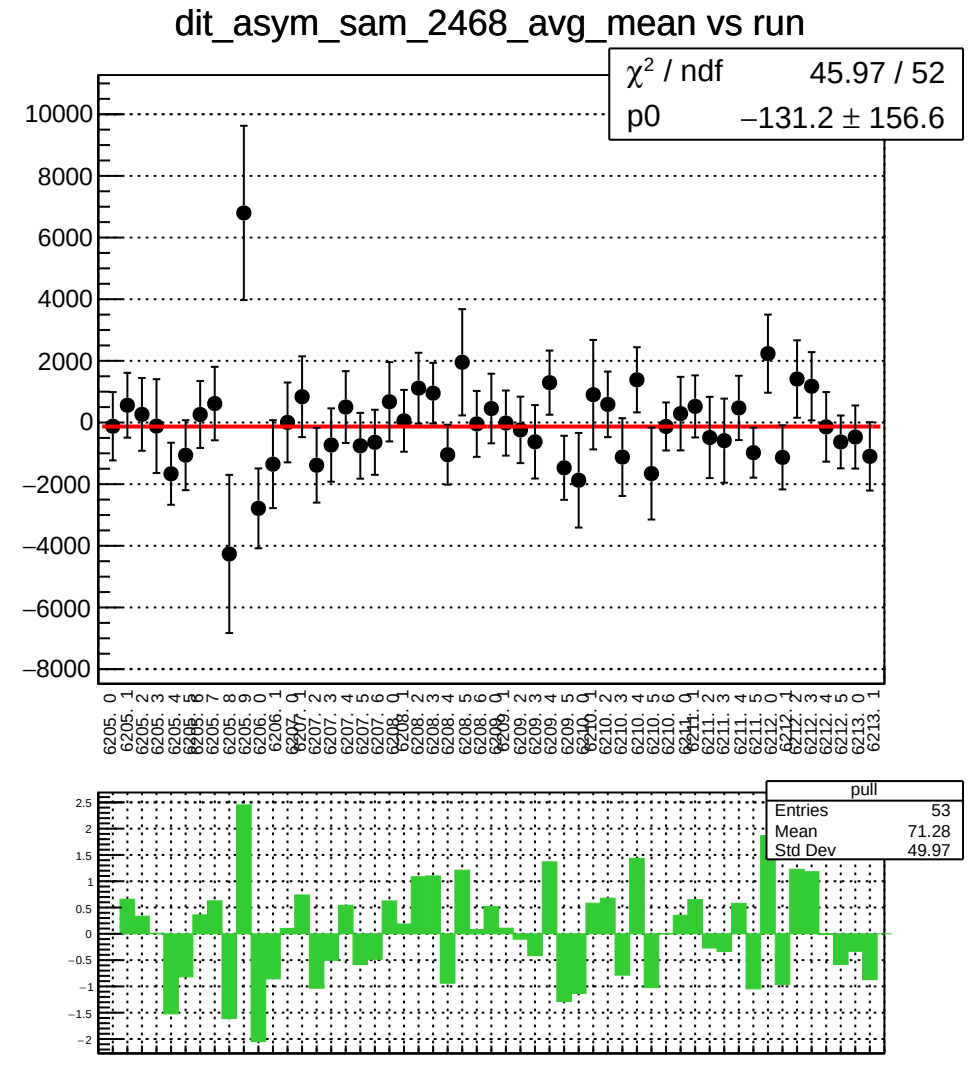

pull1D
Entries 53
Mean 0.008754
Std Dev 0.9574
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

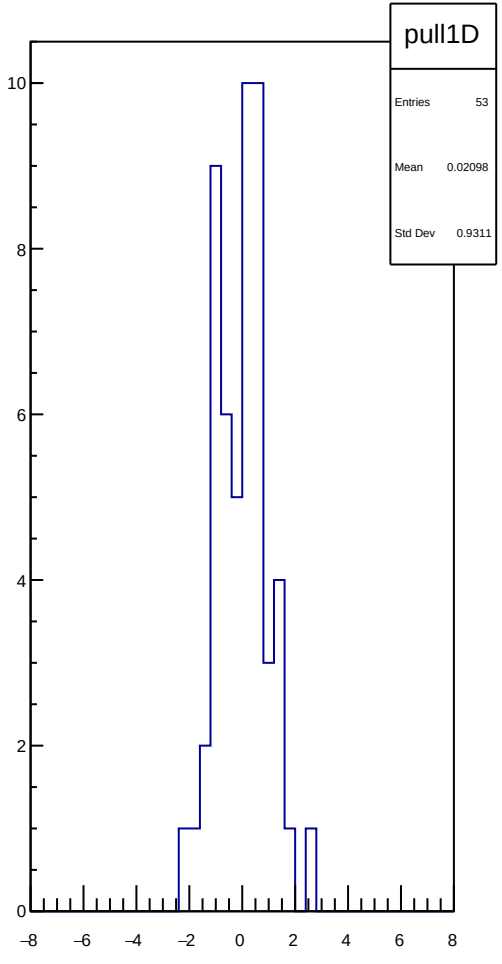

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 3722 / 52
p0 746.9 ± 0.7387
850
800
750
700
650
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

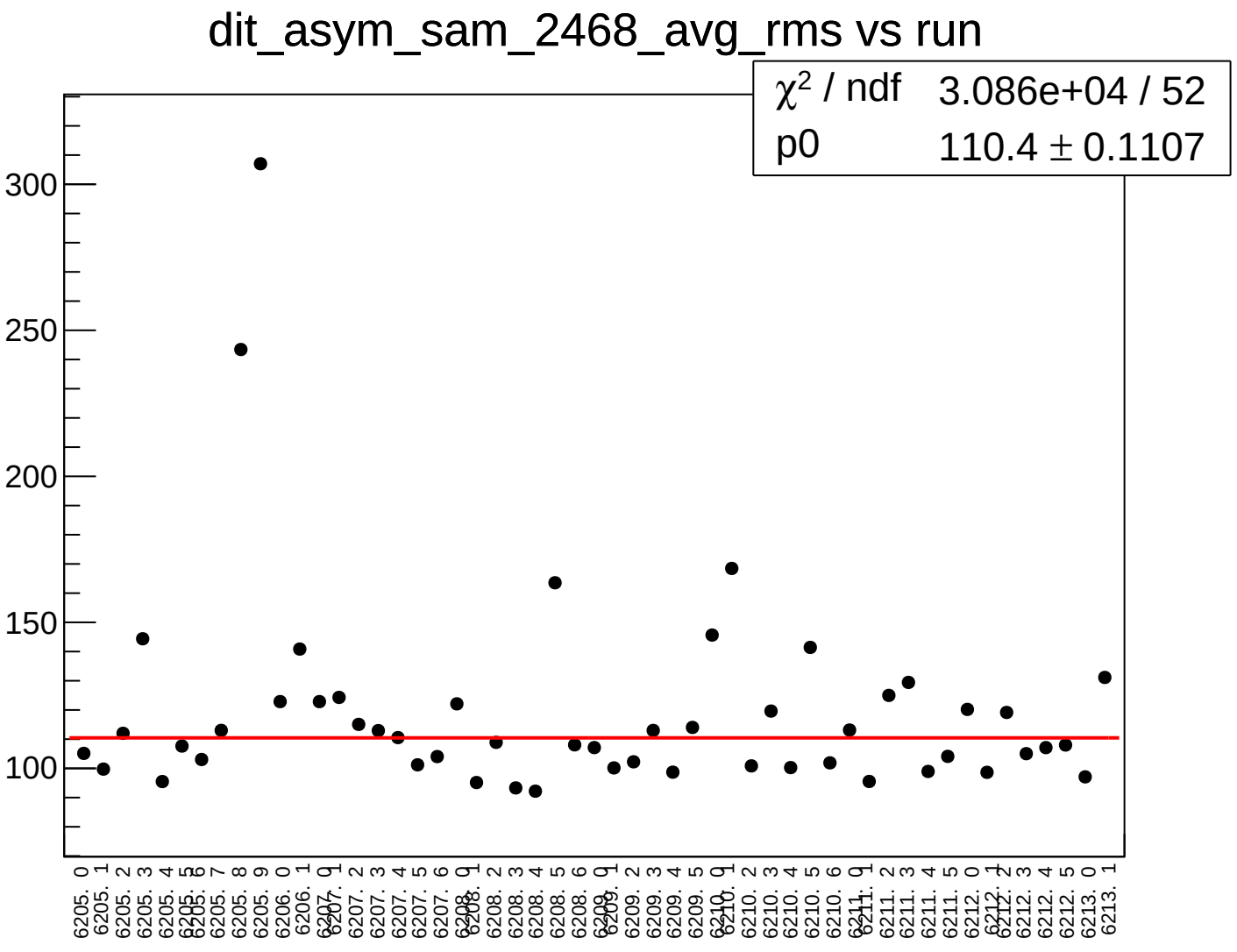

asym_sam_1357_avg_mean vs run
χ² / ndf 46.88 / 52
p0 −1307 ± 1036
20000
10000
0
−10000
−20000
−30000
pull
Entries 53
Mean −196.7
Std Dev 235.8
2
1
0
−1
−2

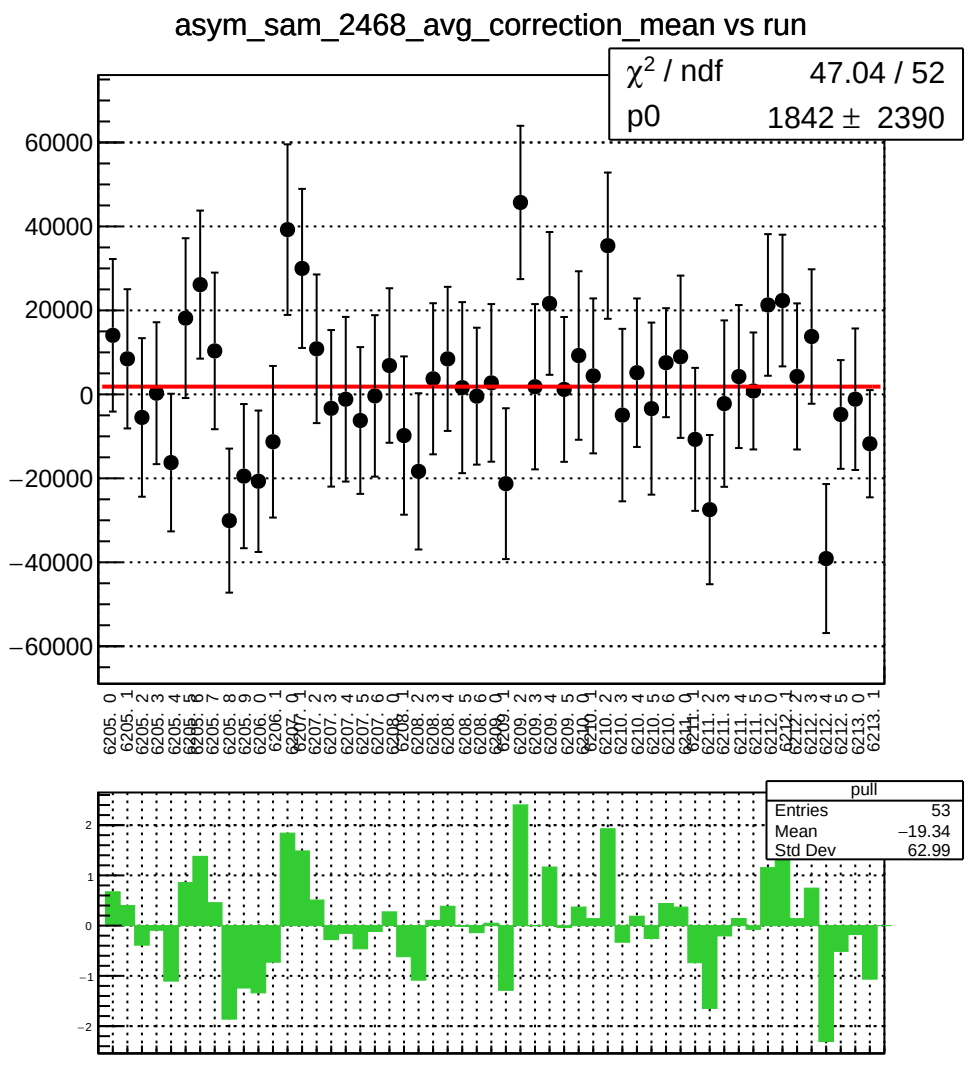

pull1D
Entries 53
Mean −0.003256
Std Dev 0.9405
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

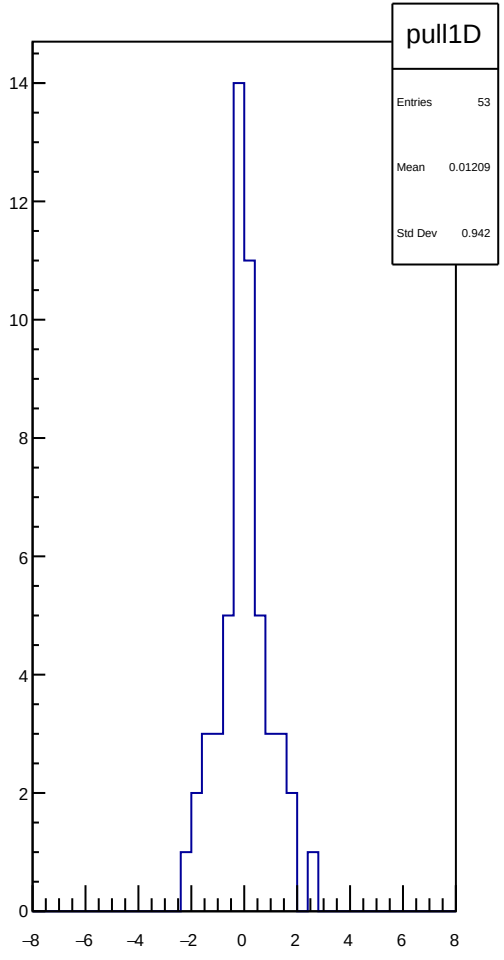

asym_sam_1357_avg_rms vs run
χ² / ndf 4291 / 52
p0 740.1 ± 0.7322
900
850
800
750
700
650
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 2
6209. 3
6209. 4
6209. 5
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

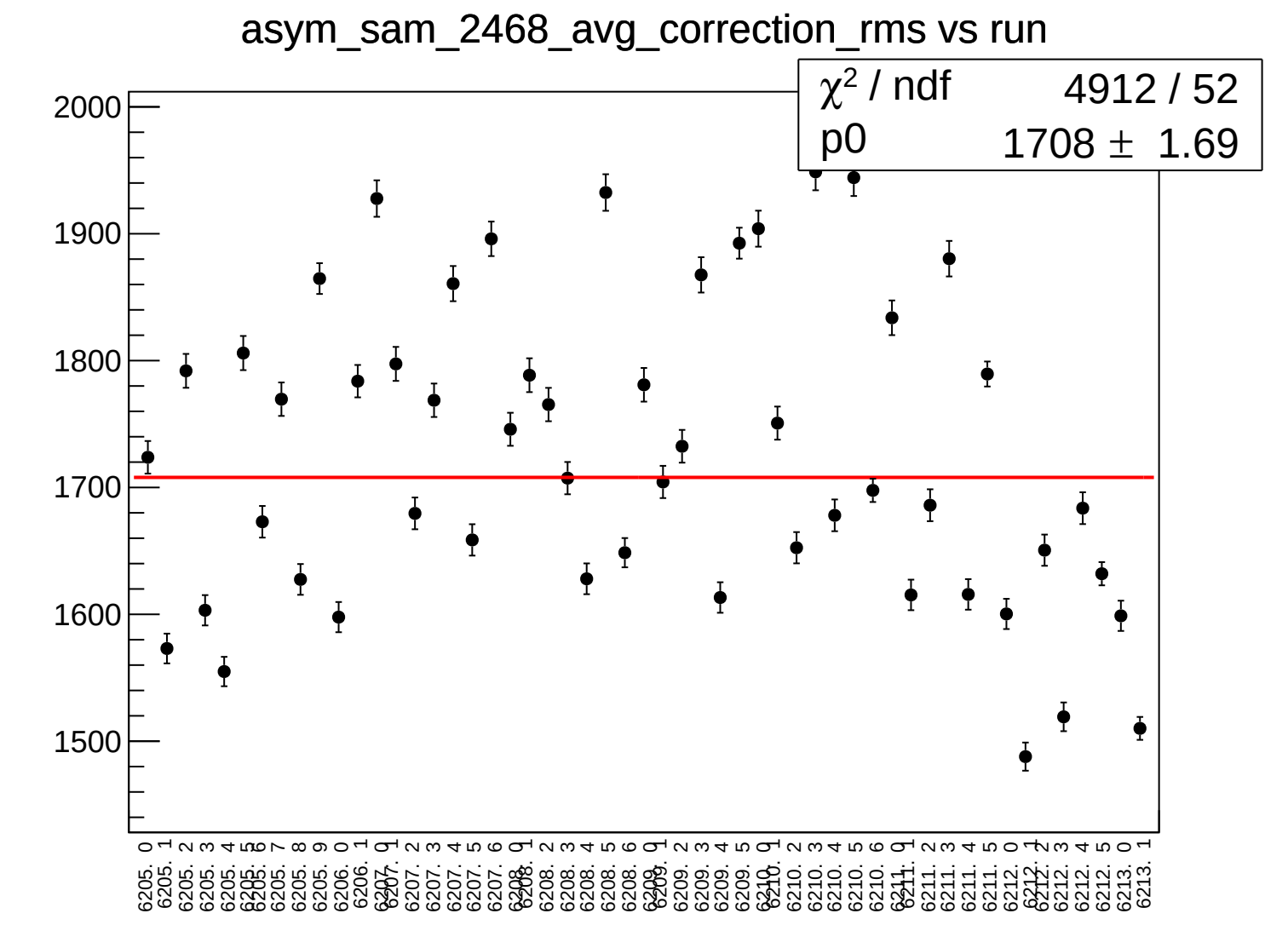

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 45.97 / 52
p0 −131.2 ± 156.6
pull
Entries 53
Mean 71.28
Std Dev 49.97

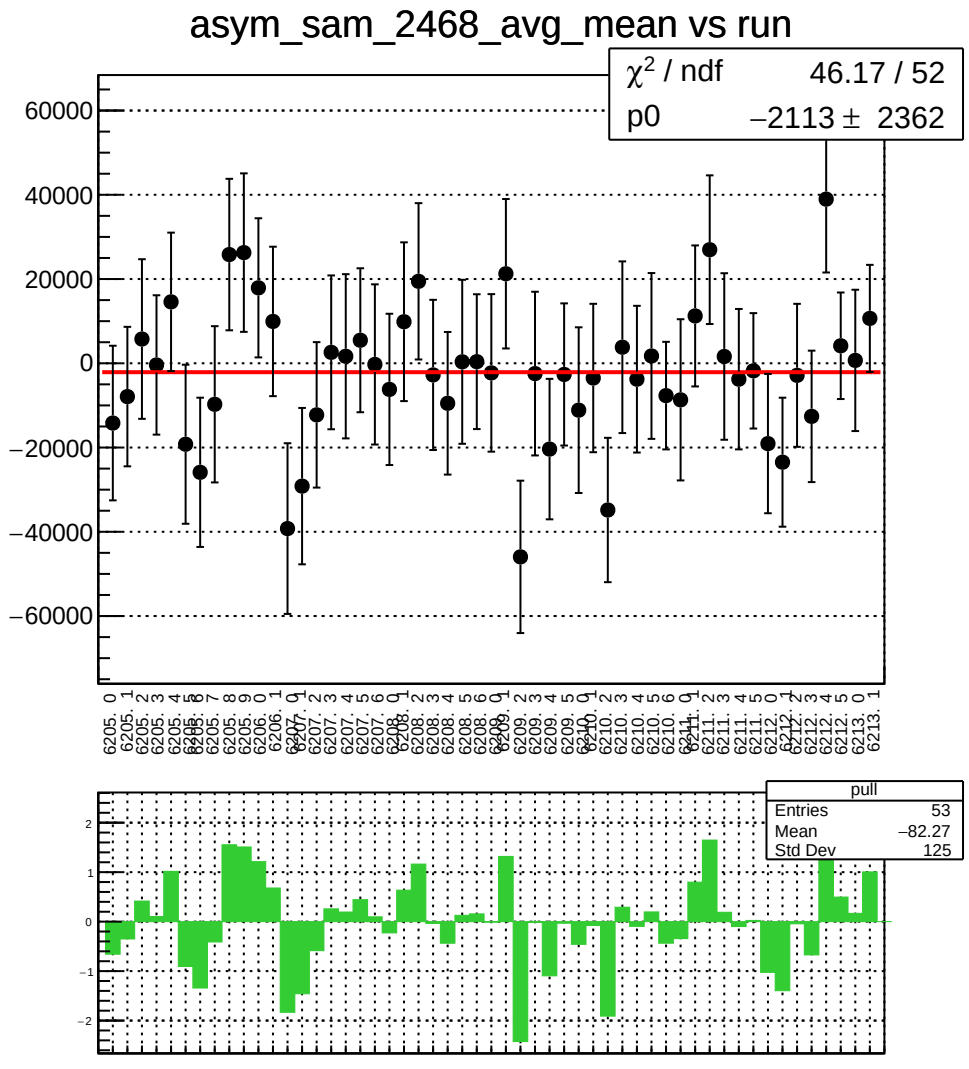

pull1D
Entries 53
Mean 0.02098
Std Dev 0.9311

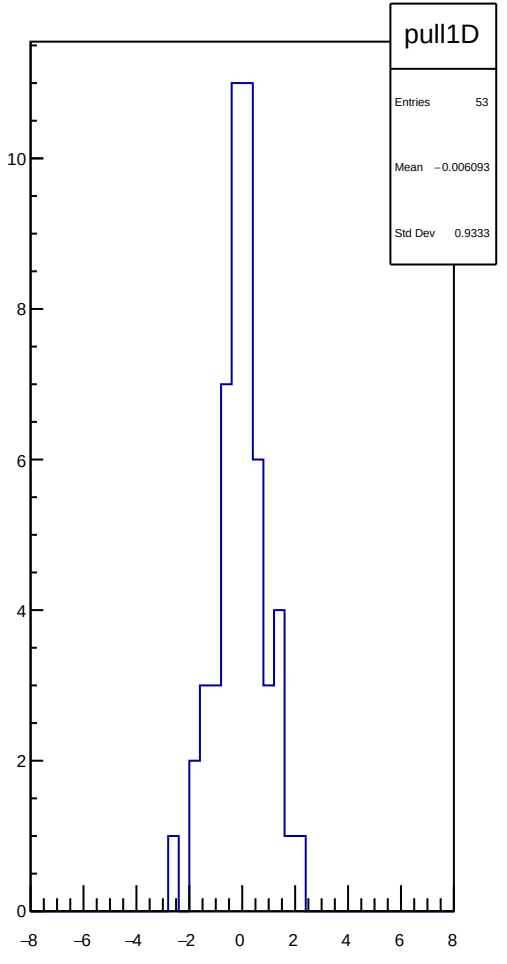

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 3.086e+04 / 52
p0 110.4 ± 0.1107
300
250
200
150
100
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

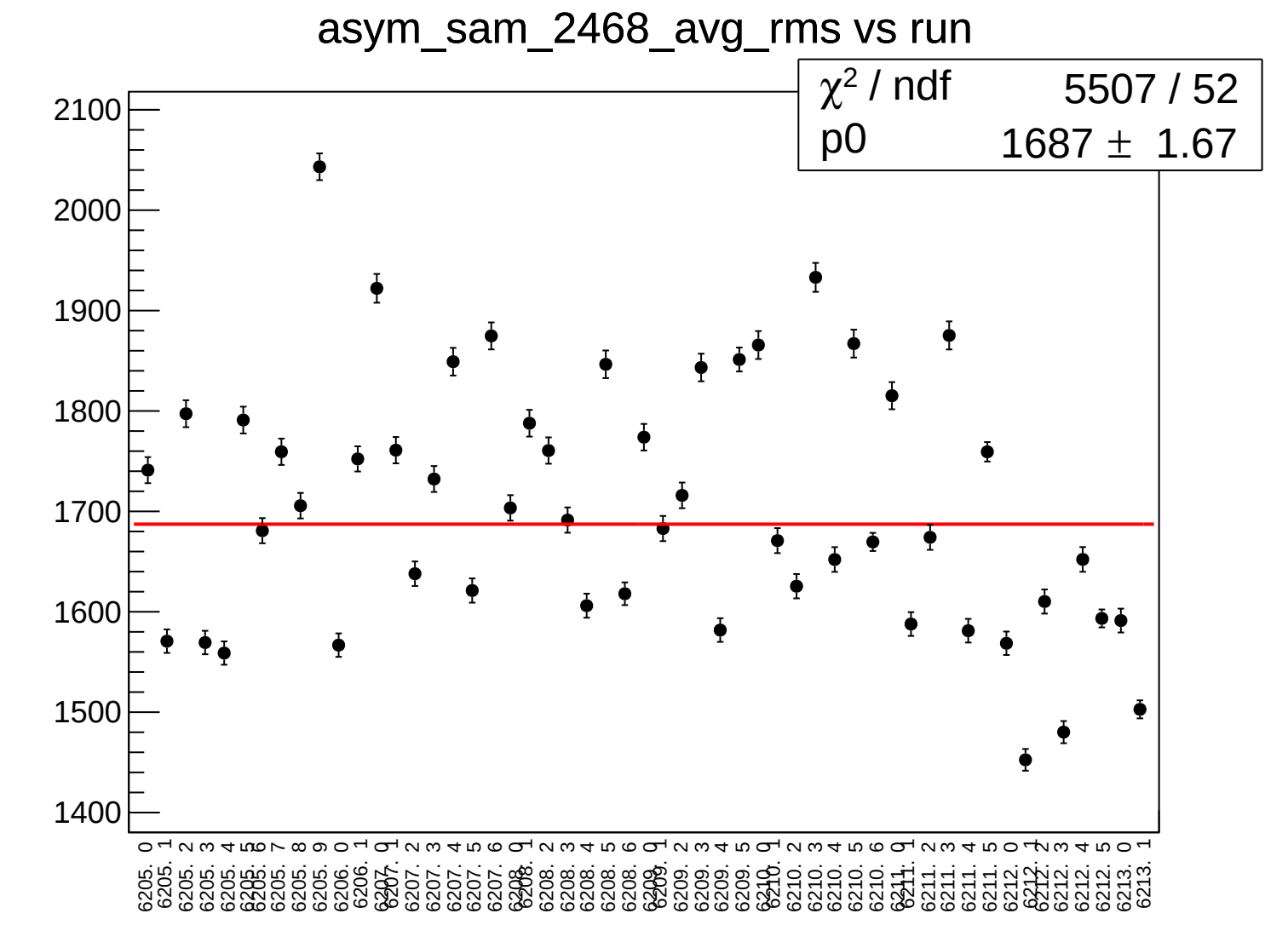

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 47.04 / 52
p0 1842 ± 2390
pull
Entries 53
Mean −19.34
Std Dev 62.99

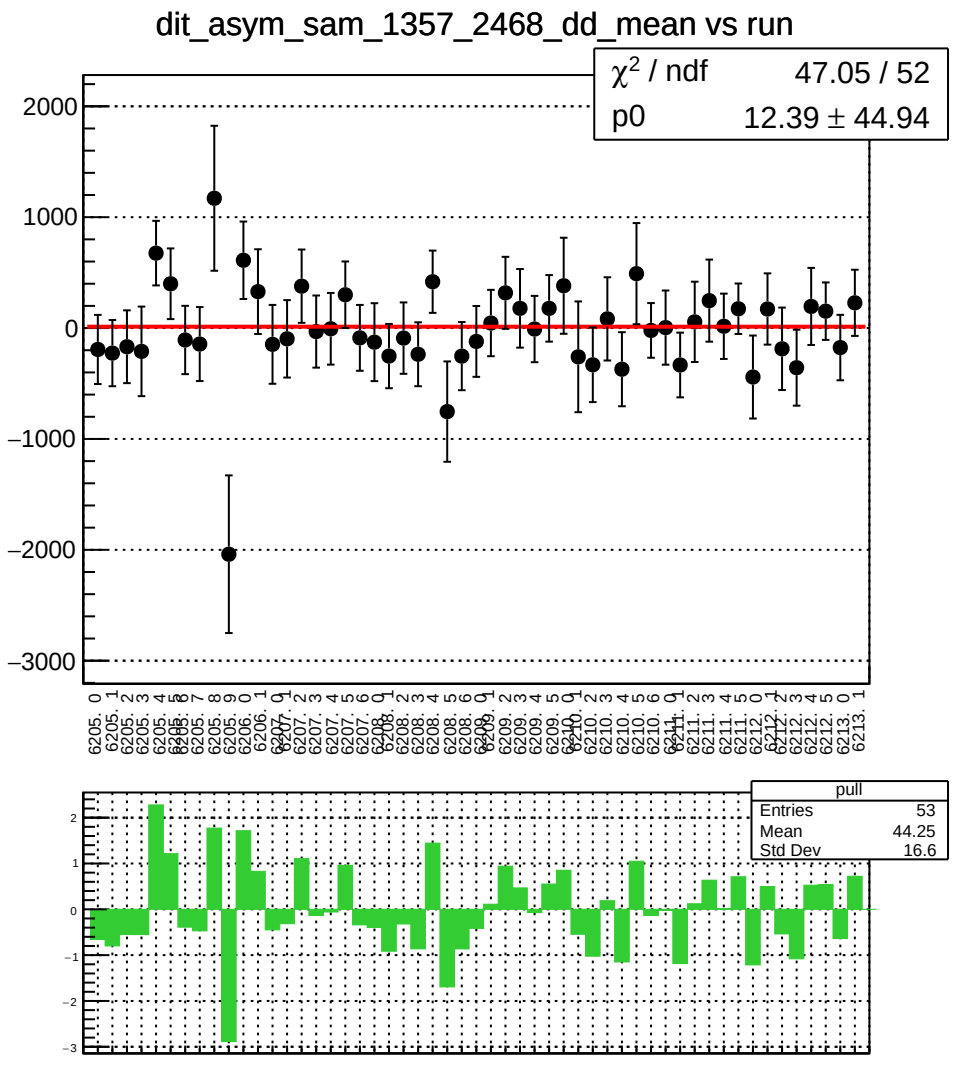

pull1D
Entries 53
Mean 0.01209
Std Dev 0.942

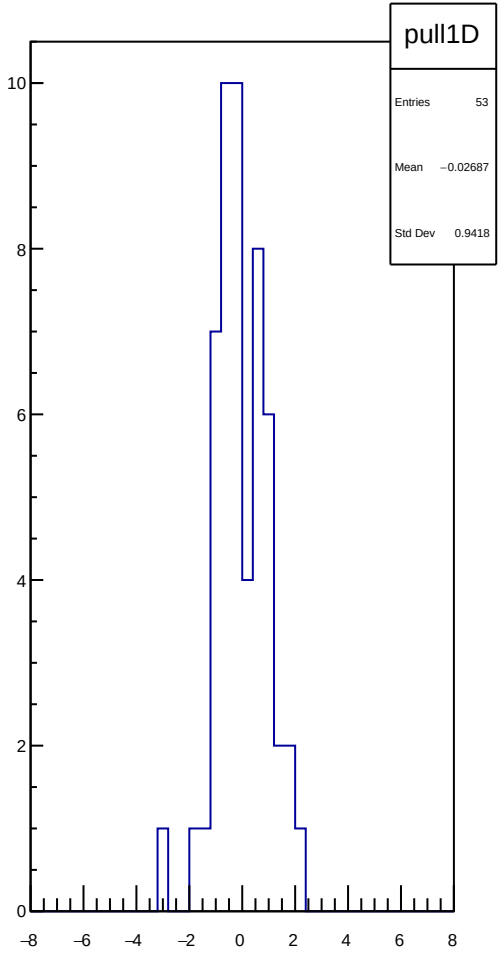

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 4912 / 52
p0 1708 ± 1.69
2000
1900
1800
1700
1600
1500
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

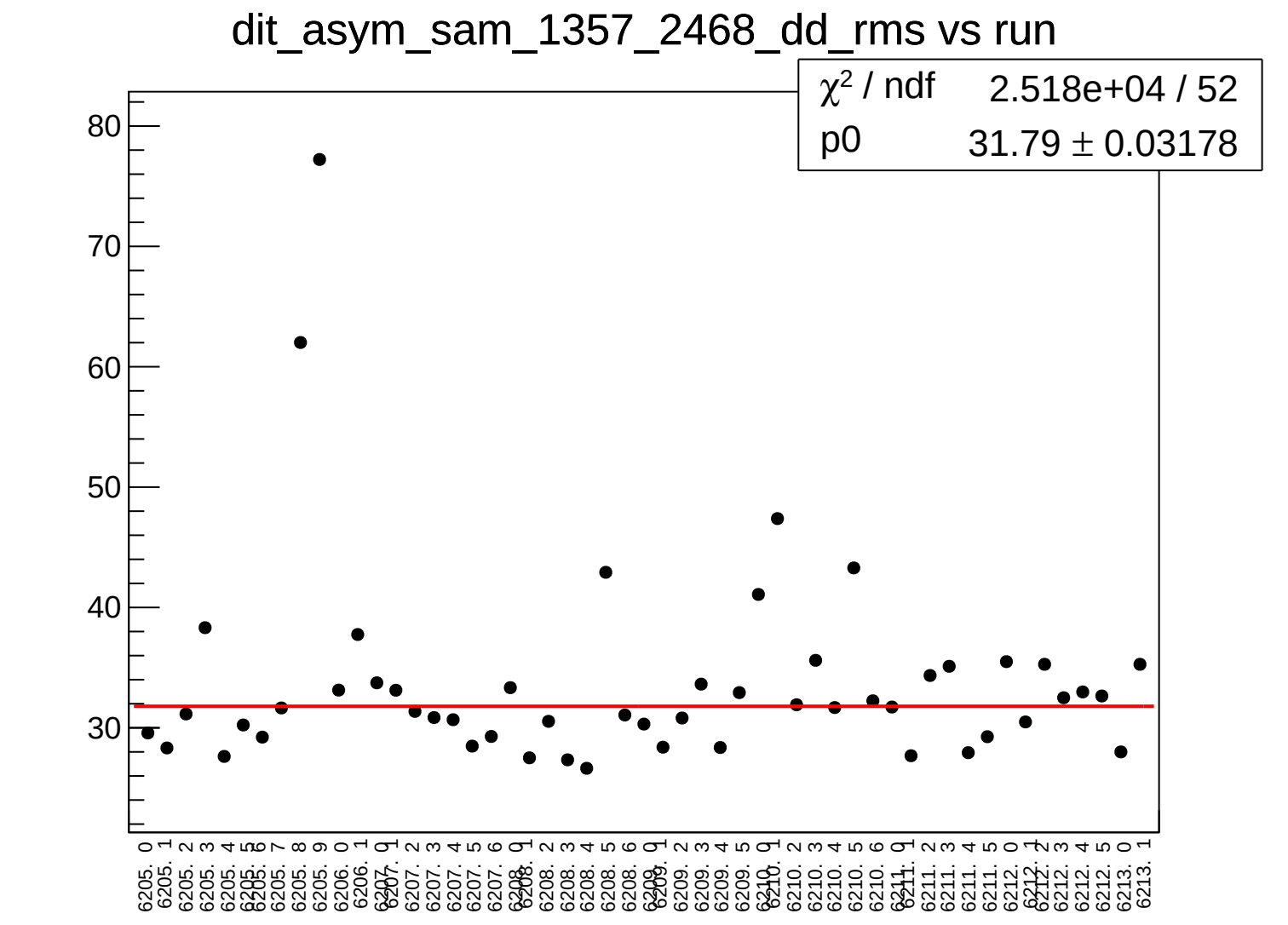

asym_sam_2468_avg_mean vs run
χ² / ndf 46.17 / 52
p0 −2113 ± 2362
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −82.27
Std Dev 125
2
1
0
−1
−2

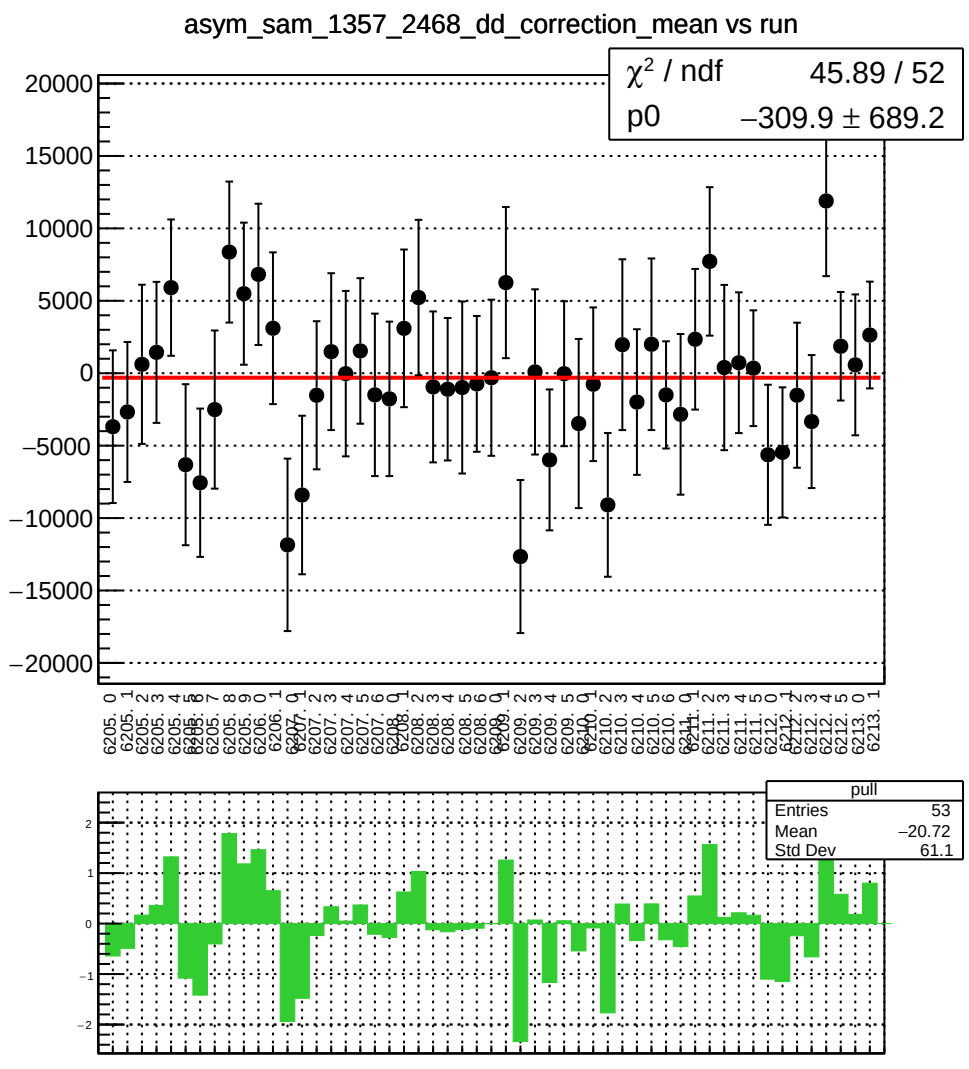

pull1D
Entries 53
Mean −0.006093
Std Dev 0.9333
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

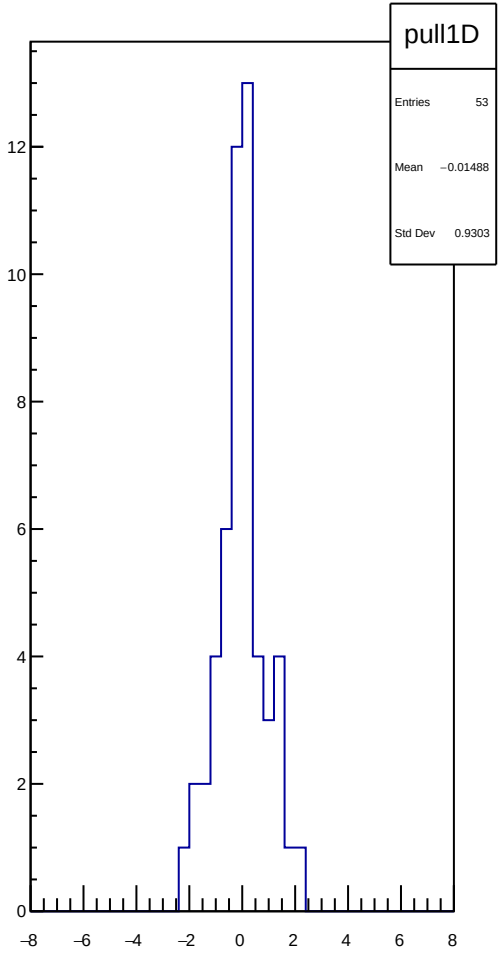

asym_sam_2468_avg_rms vs run
χ² / ndf 5507 / 52
p0 1687 ± 1.67
2100
2000
1900
1800
1700
1600
1500
1400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

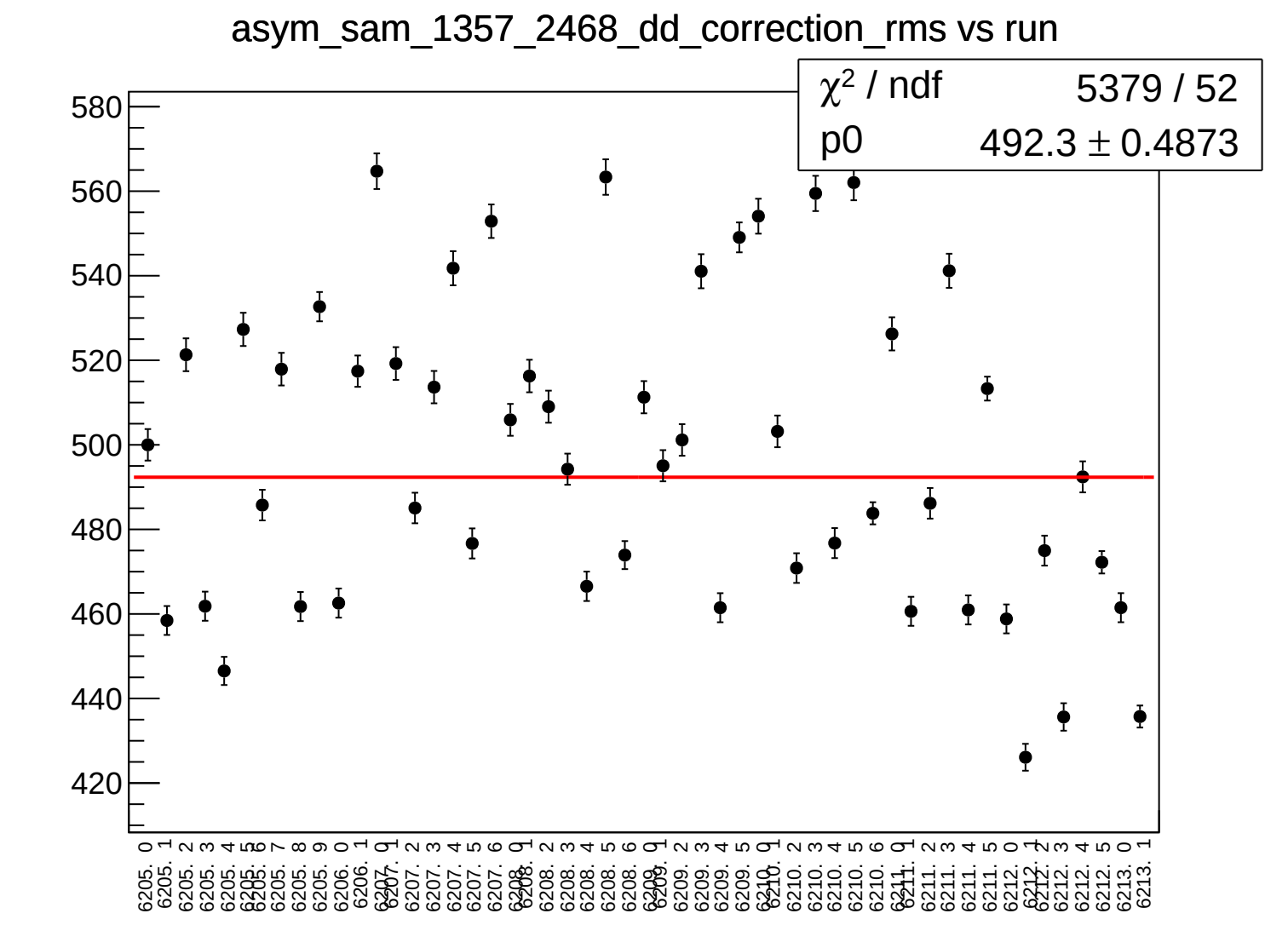

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 47.05 / 52
p0 12.39 ± 44.94
2000
1000
0
−1000
−2000
−3000
pull
Entries 53
Mean 44.25
Std Dev 16.6
2
1
0
−1
−2
−3

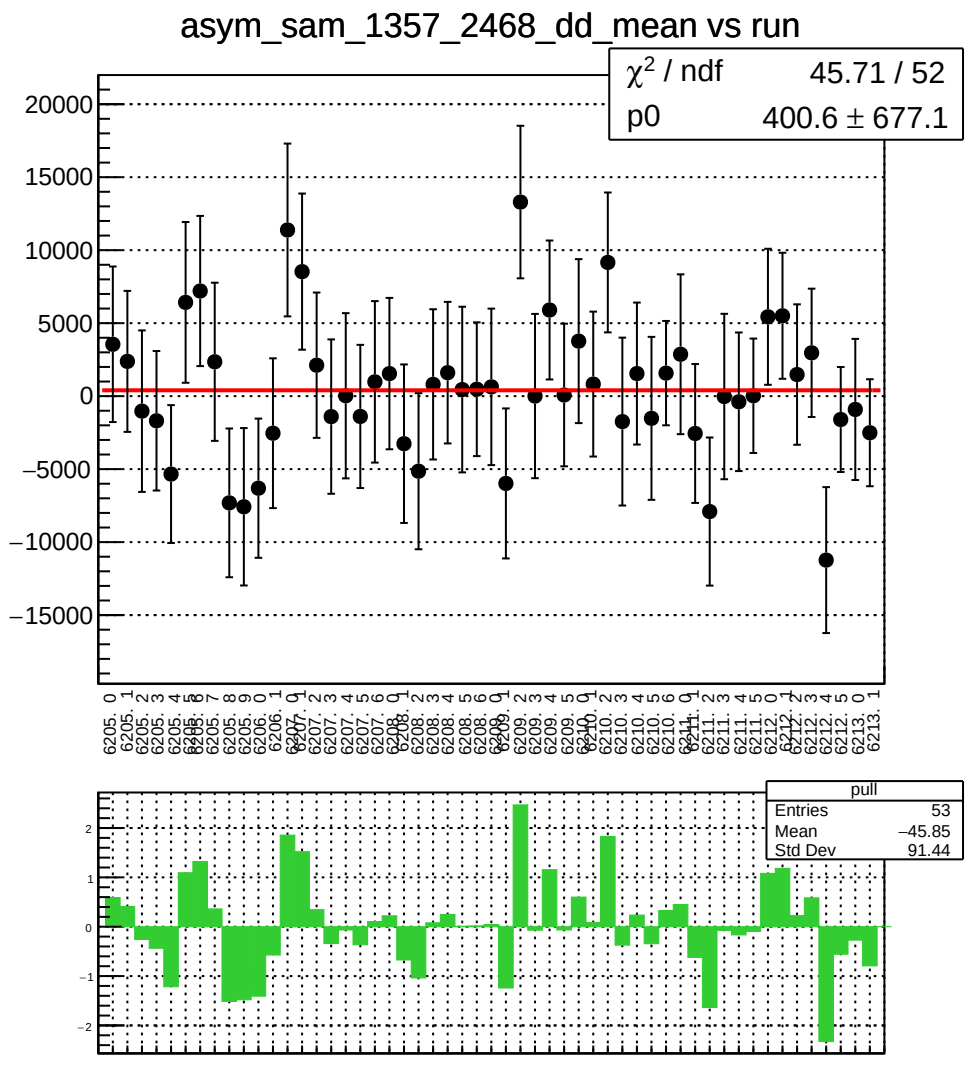

pull1D
Entries 53
Mean −0.02687
Std Dev 0.9418
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

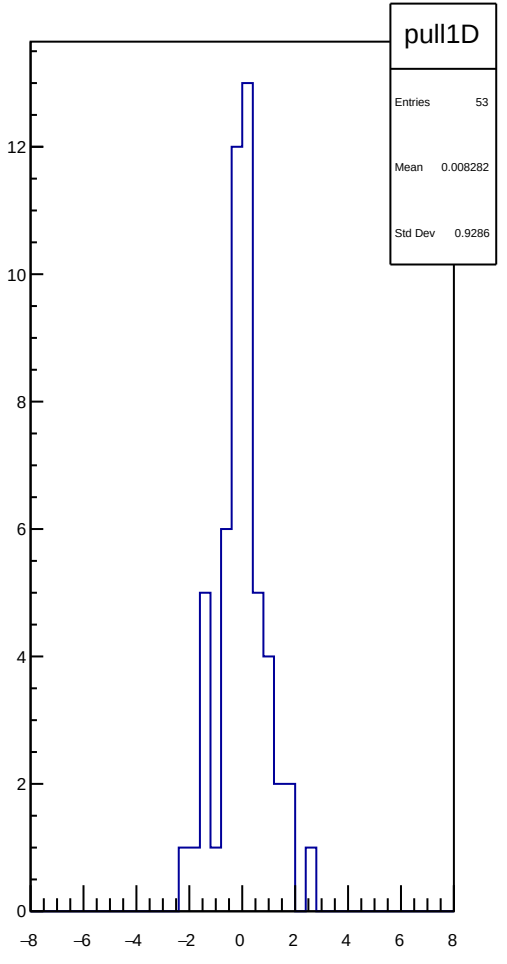

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 2.518e+04 / 52
p0 31.79 ± 0.03178
80
70
60
50
40
30
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6206. 2
6206. 3
6206. 4
6206. 5
6206. 6
6206. 7
6206. 8
6206. 9
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6207. 7
6207. 8
6207. 9
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 7
6208. 8
6208. 9
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6209. 6
6209. 7
6209. 8
6209. 9
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6210. 7
6210. 8
6210. 9
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

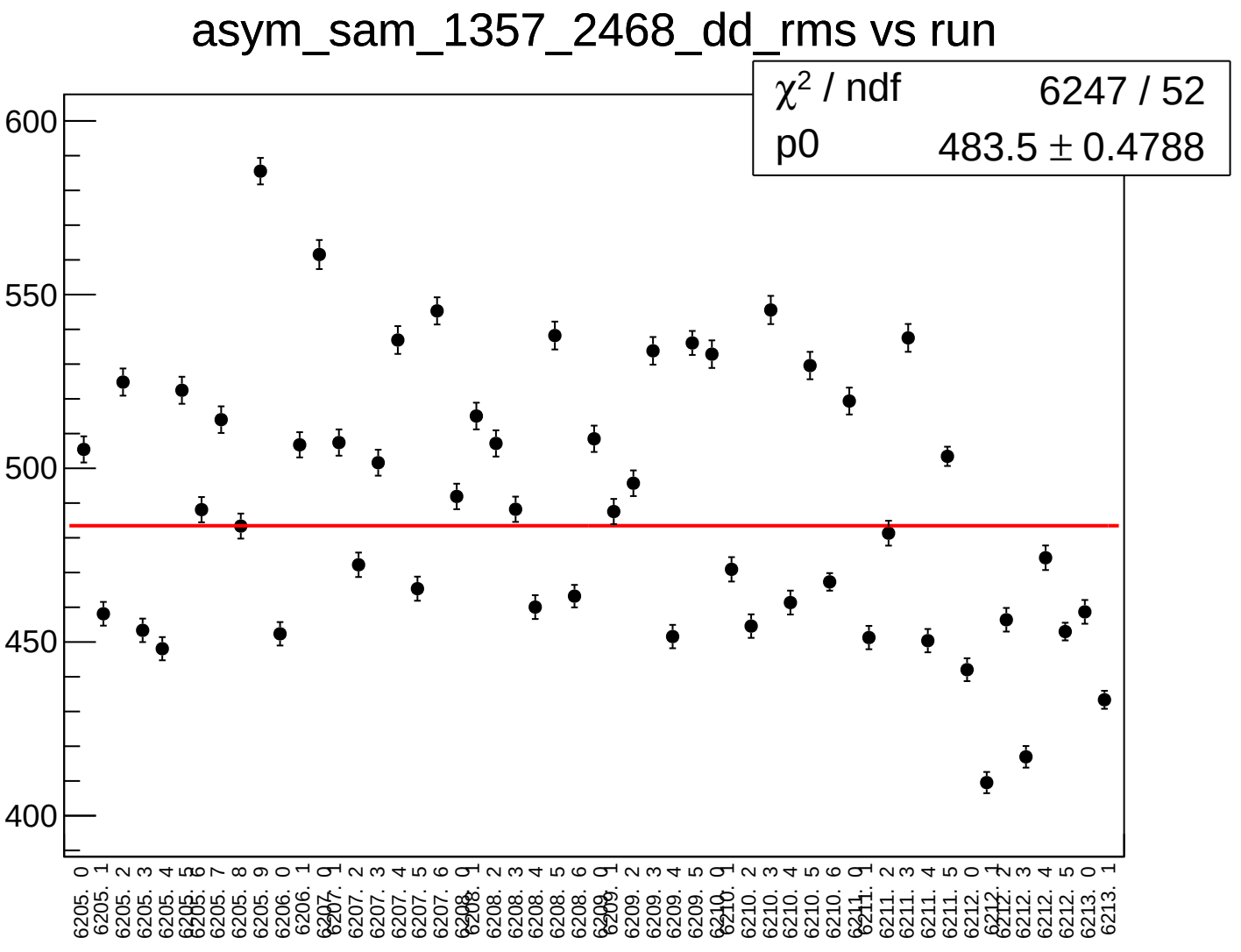

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 45.89 / 52
p0 −309.9 ± 689.2
pull
Entries 53
Mean −20.72
Std Dev 61.1

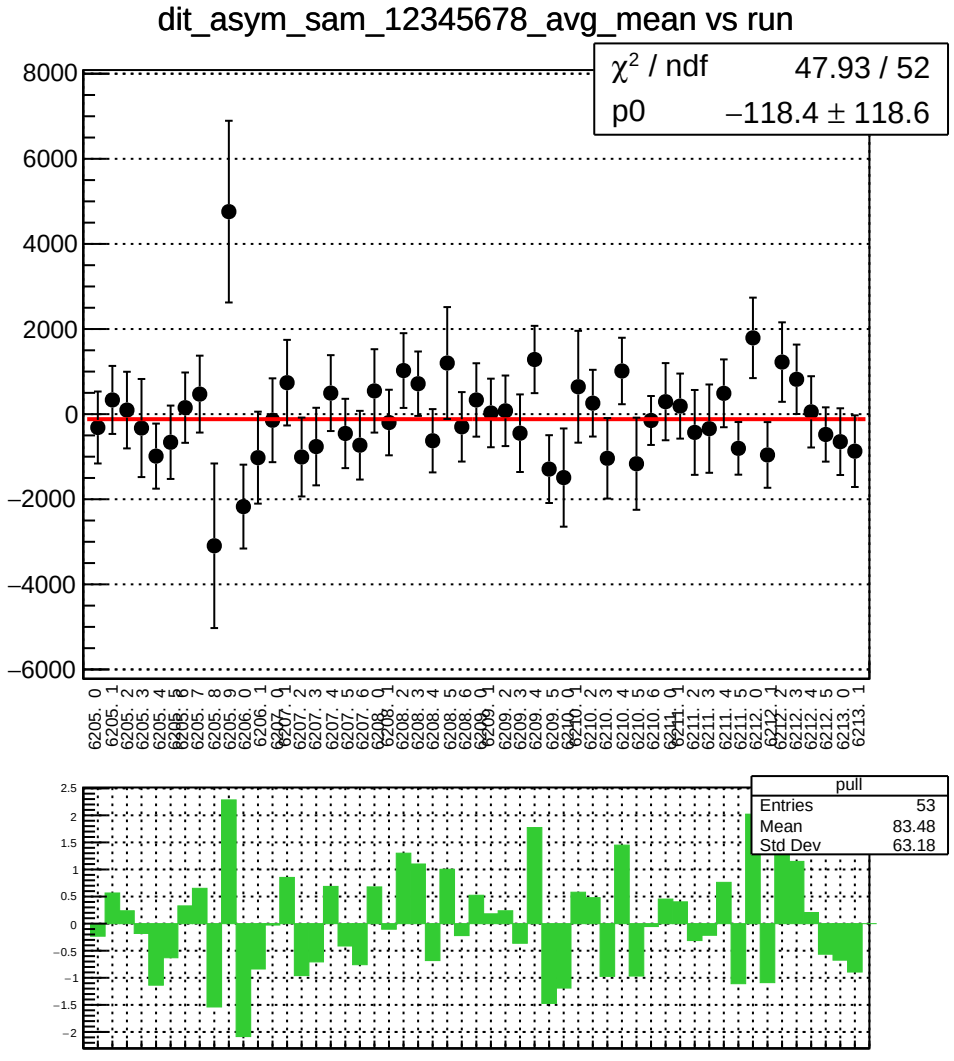

pull1D
Entries 53
Mean −0.01488
Std Dev 0.9303

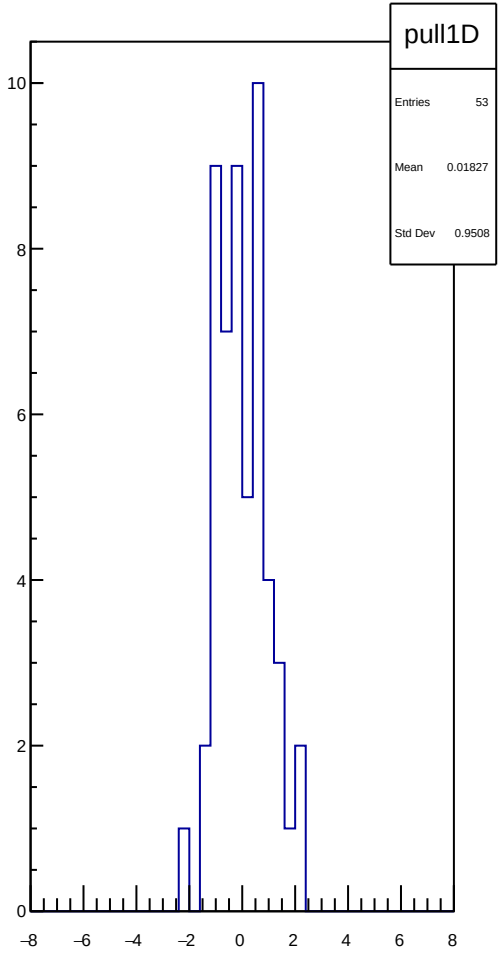

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 5379 / 52
p0 492.3 ± 0.4873
580
560
540
520
500
480
460
440
420
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 9
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

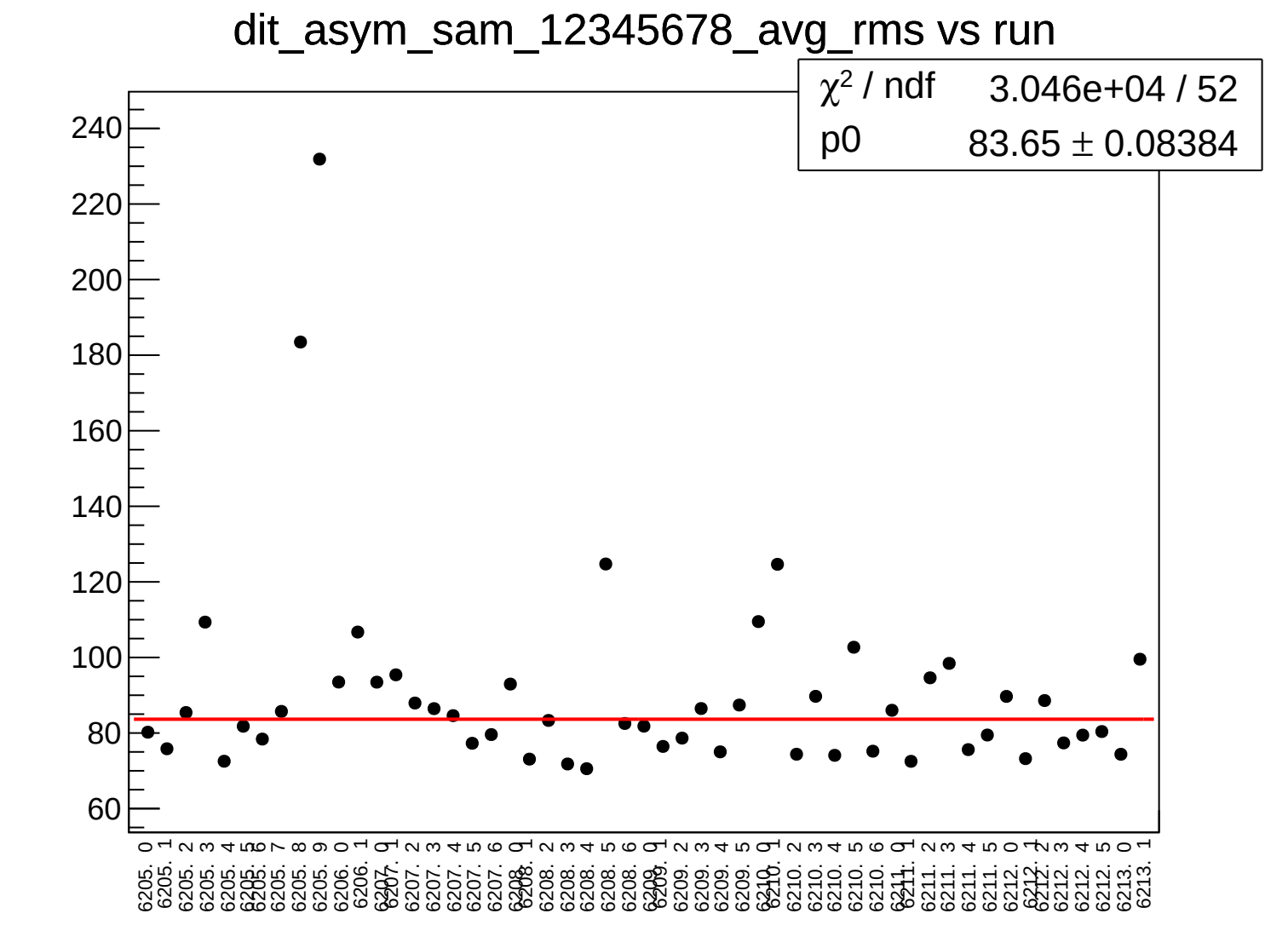

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 45.71 / 52
p0 400.6 ± 677.1
20000
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean −45.85
Std Dev 91.44
2
1
0
−1
−2

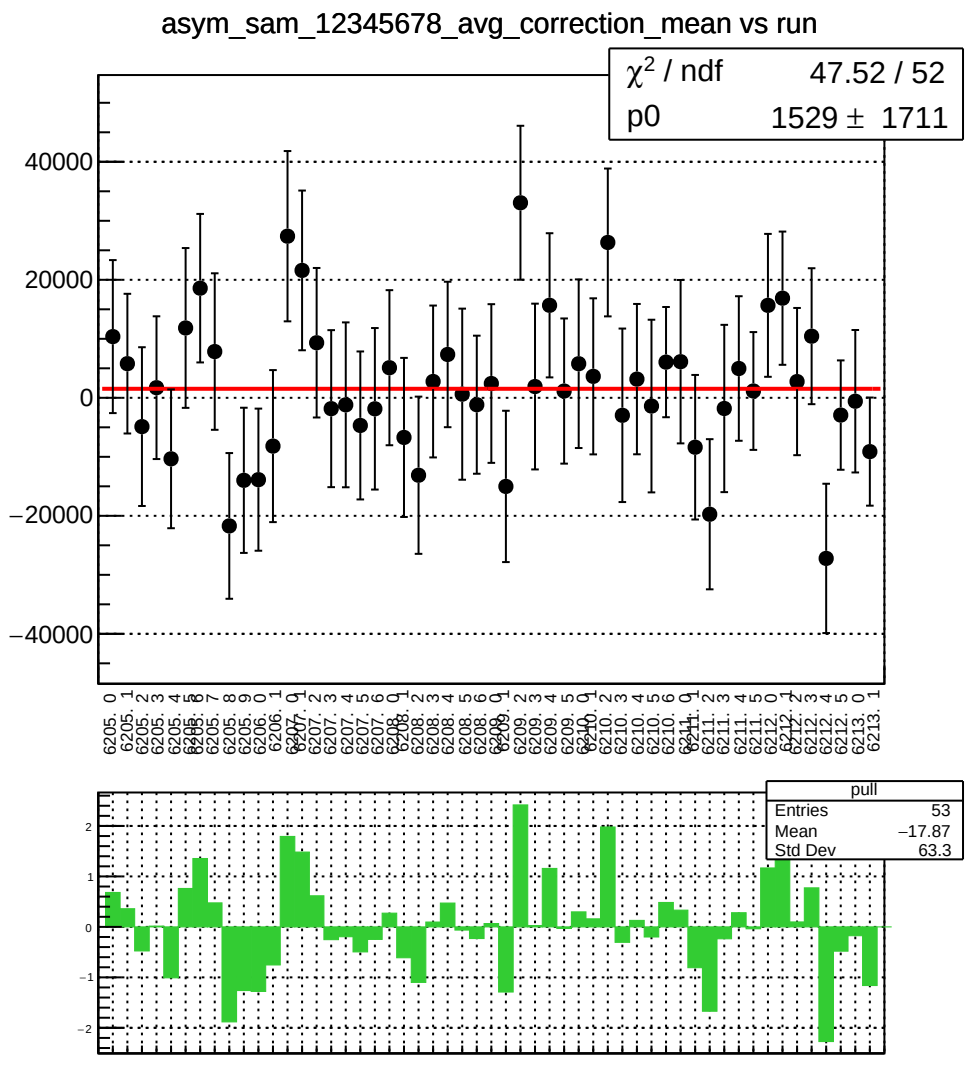

pull1D
Entries 53
Mean 0.008282
Std Dev 0.9286
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

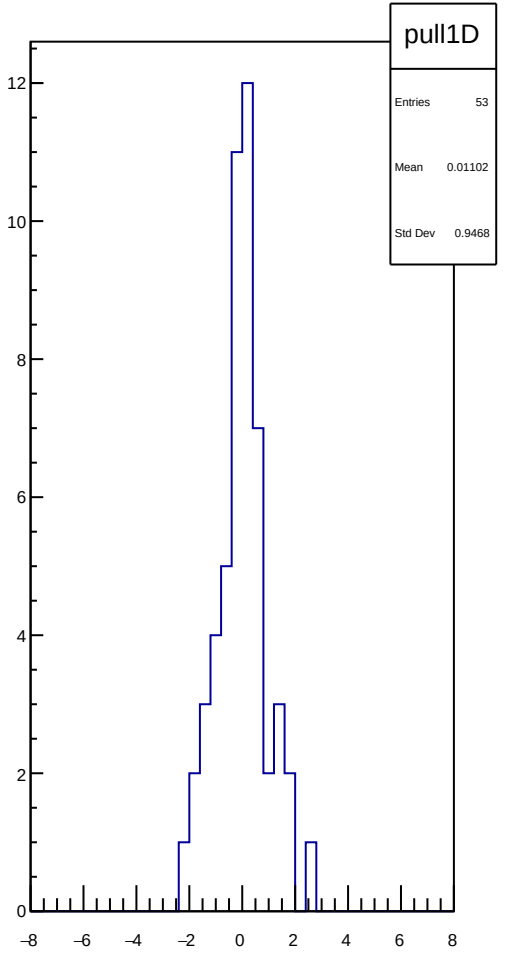

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 6247 / 52
p0 483.5 ± 0.4788
600
550
500
450
400
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

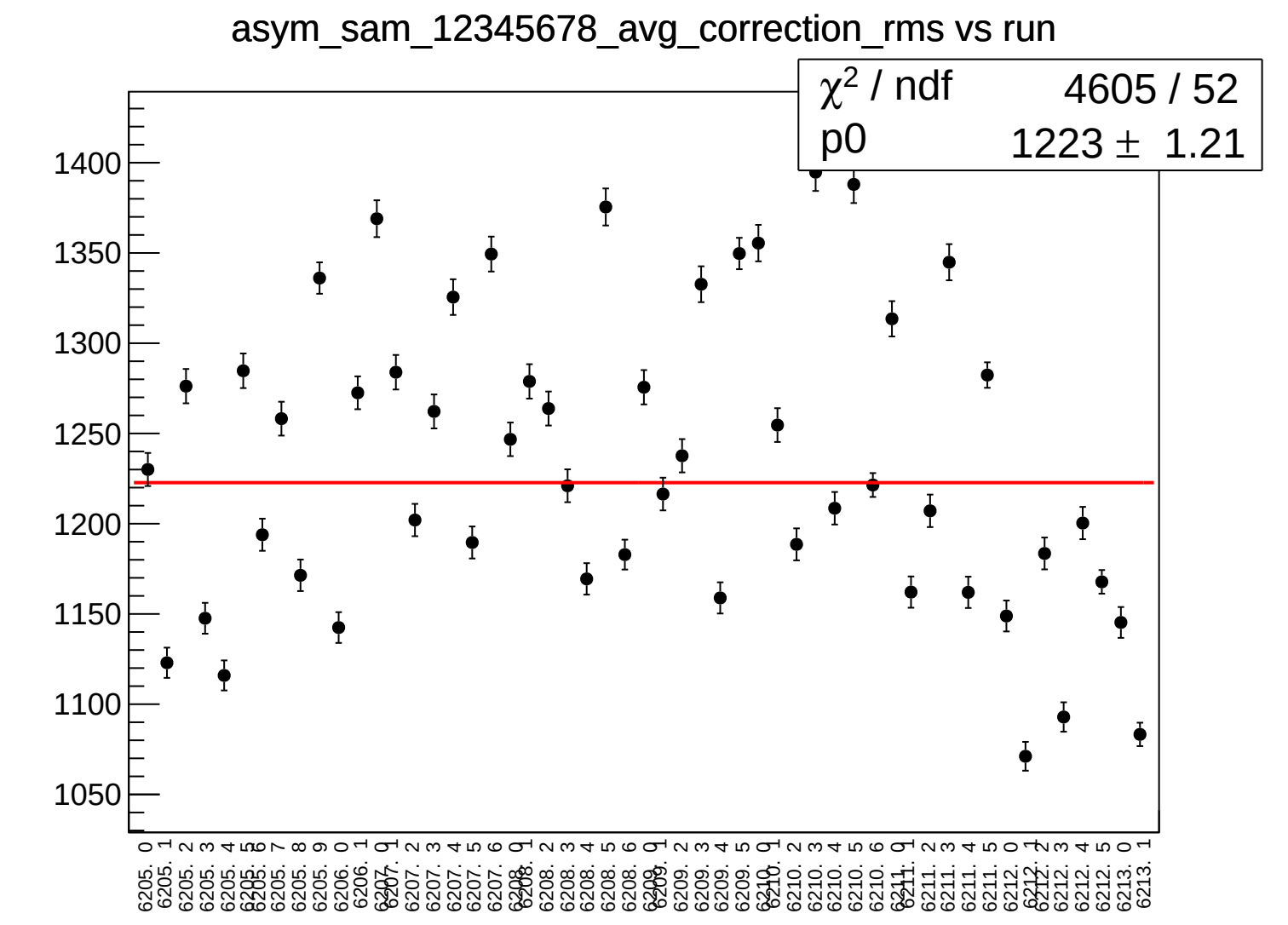

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 47.93 / 52
p0 −118.4 ± 118.6
pull
Entries 53
Mean 83.48
Std Dev 63.18

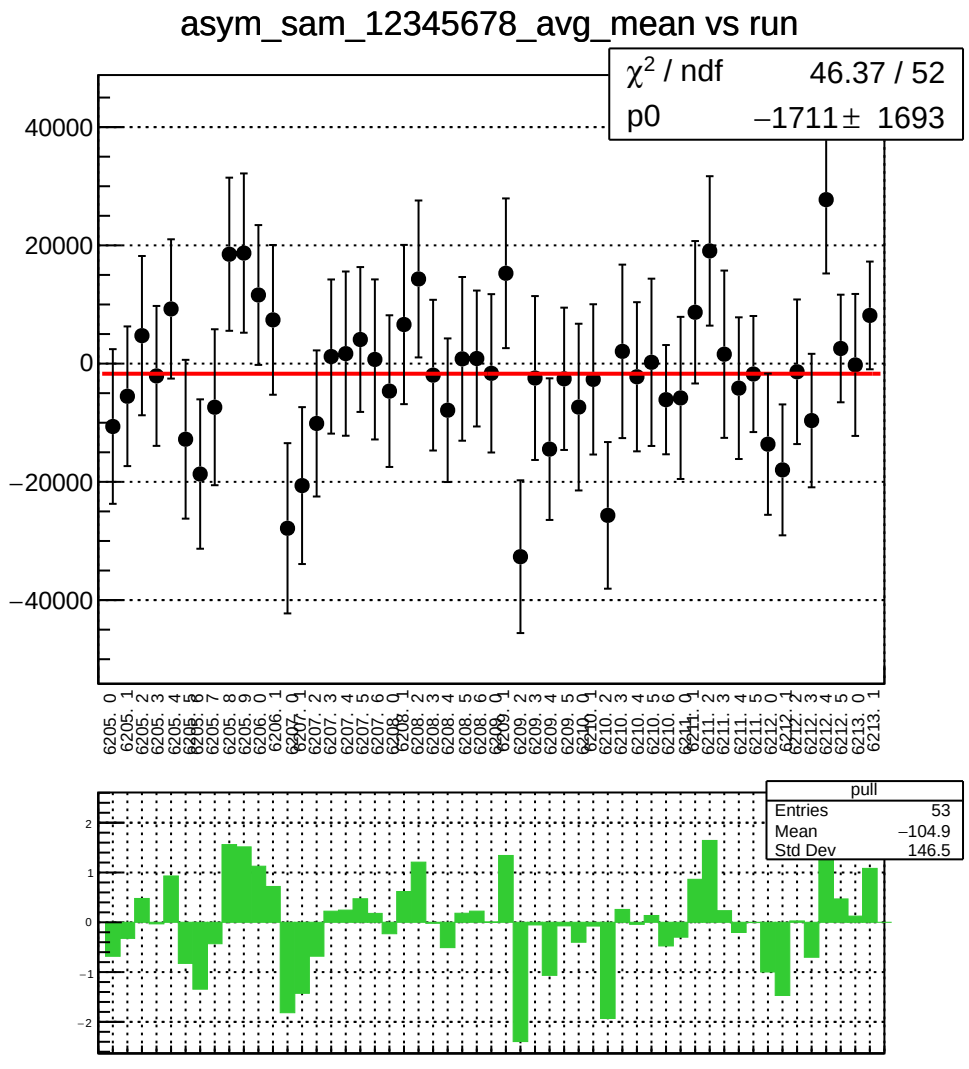

pull1D
Entries 53
Mean 0.01827
Std Dev 0.9508

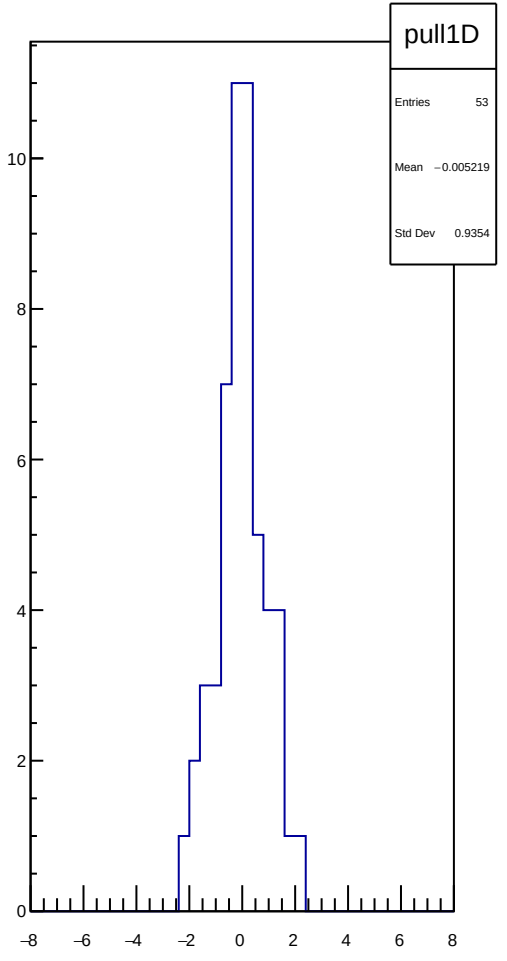

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 3.046e+04 / 52
p0 83.65 ± 0.08384
240
220
200
180
160
140
120
100
80
60
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

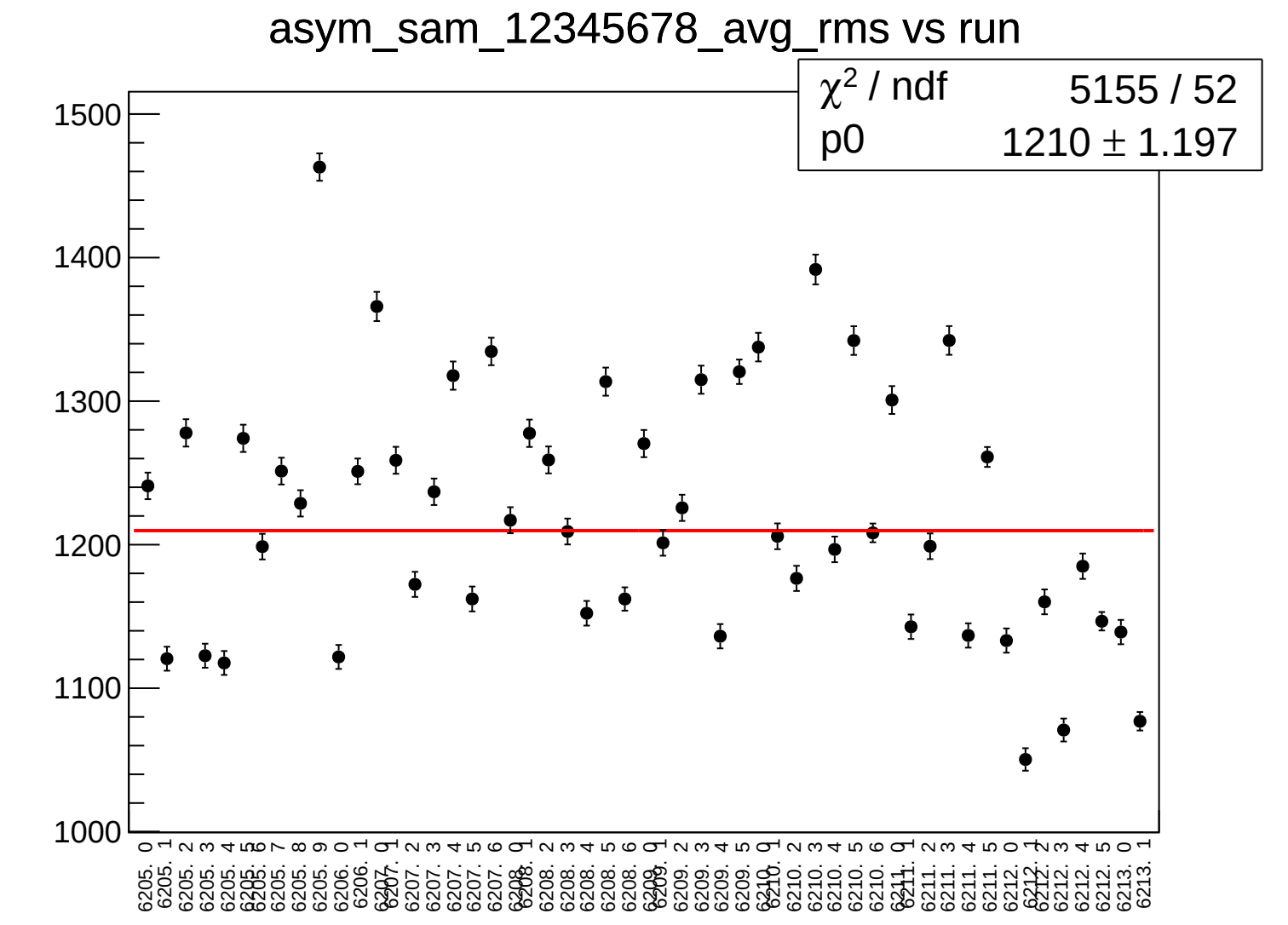

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 47.52 / 52
p0 1529 ± 1711
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −17.87
Std Dev 63.3
2
1
0
−1
−2

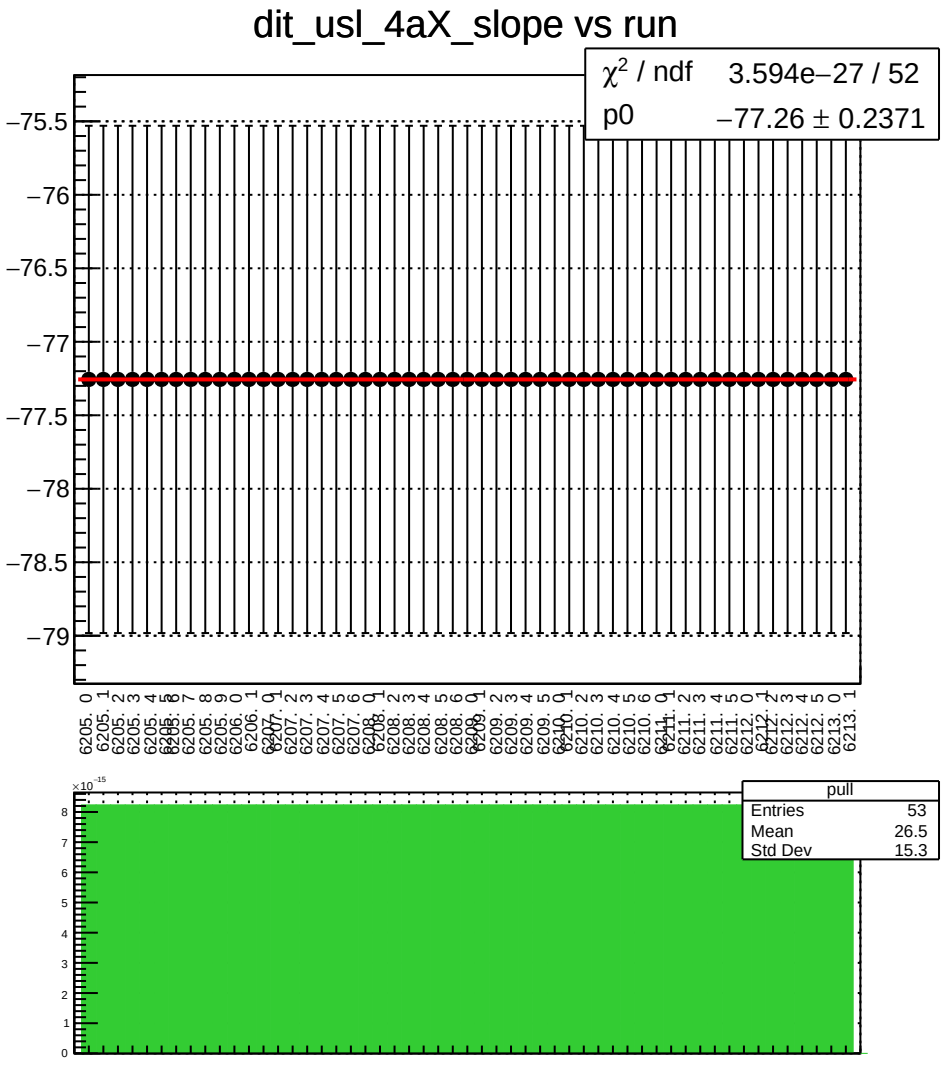

pull1D
Entries 53
Mean 0.01102
Std Dev 0.9468
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

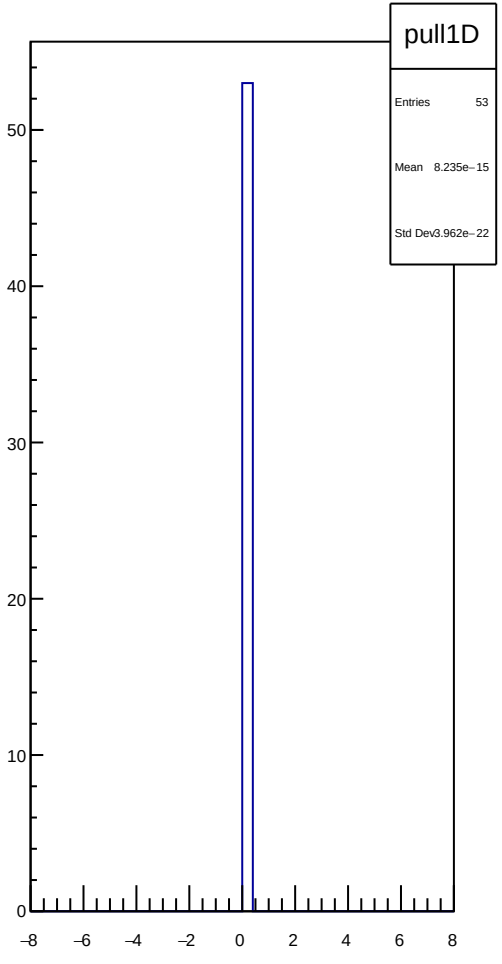

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 4605 / 52
p0 1223 ± 1.21
1400
1350
1300
1250
1200
1150
1100
1050
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 9
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

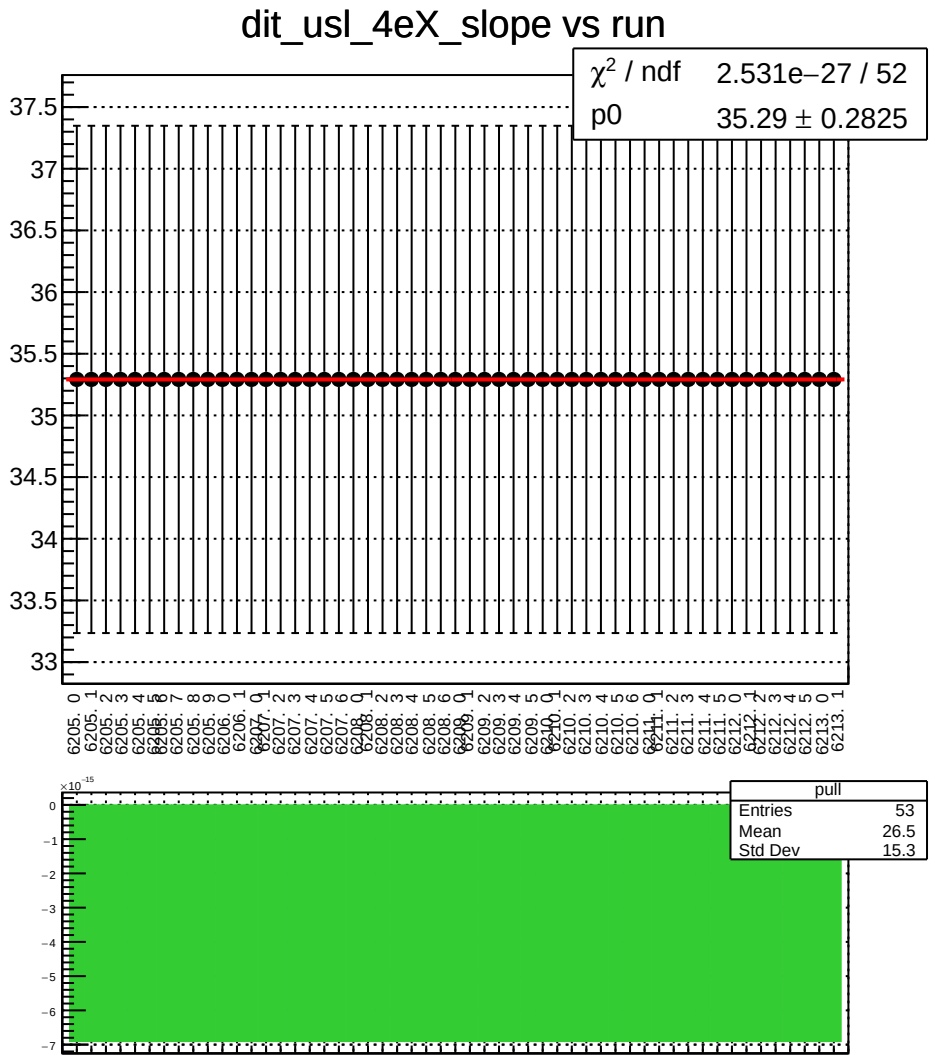

asym_sam_12345678_avg_mean vs run
χ² / ndf 46.37 / 52
p0 −1711 ± 1693
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −104.9
Std Dev 146.5
2
1
0
−1
−2

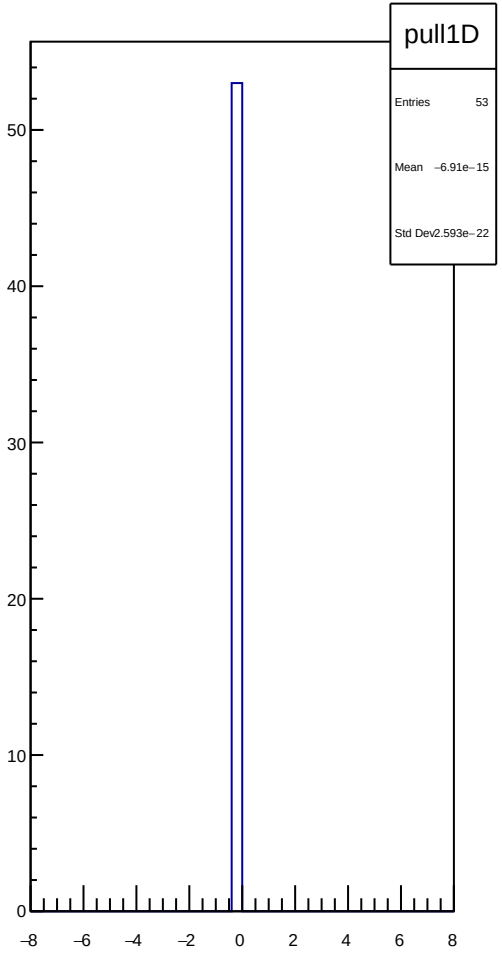

pull1D
Entries 53
Mean −0.005219
Std Dev 0.9354
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

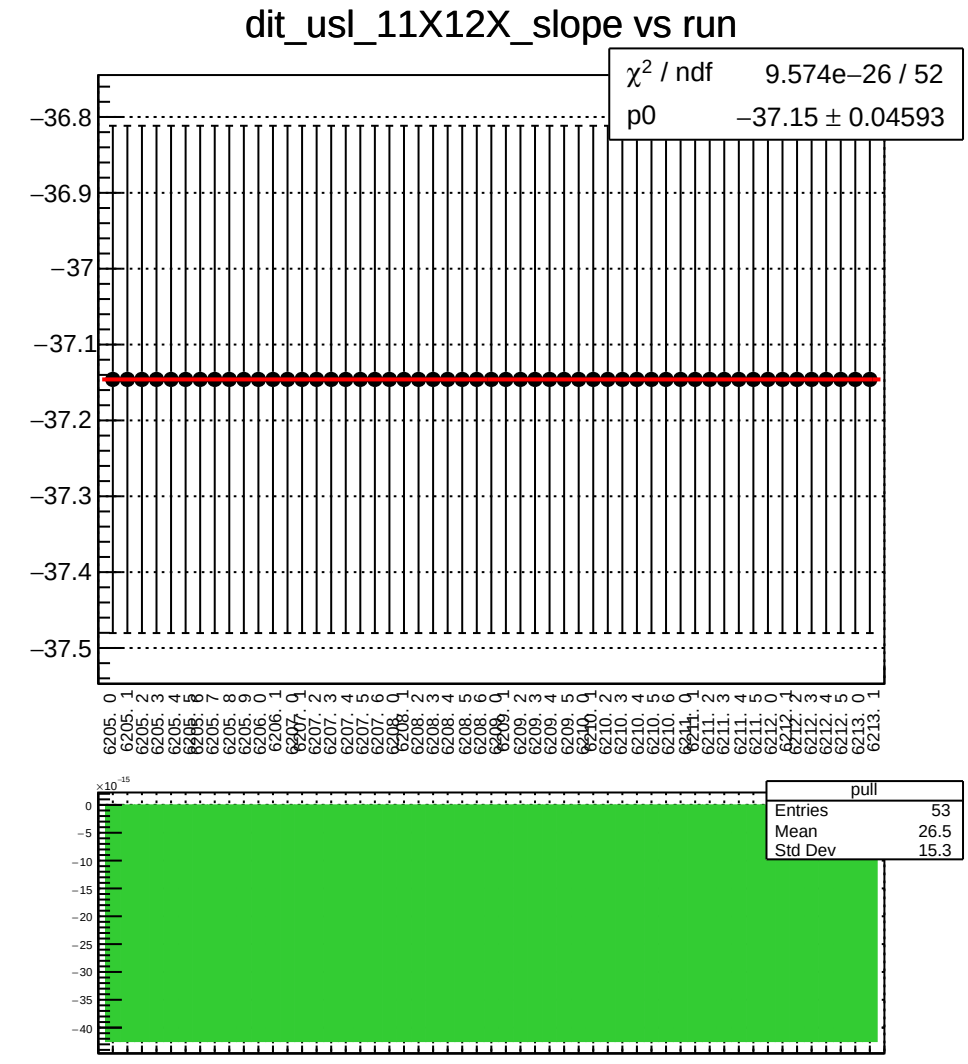

asym_sam_12345678_avg_rms vs run
χ² / ndf 5155 / 52
p0 1210 ± 1.197
1500
1400
1300
1200
1100
1000
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6206. 2
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1

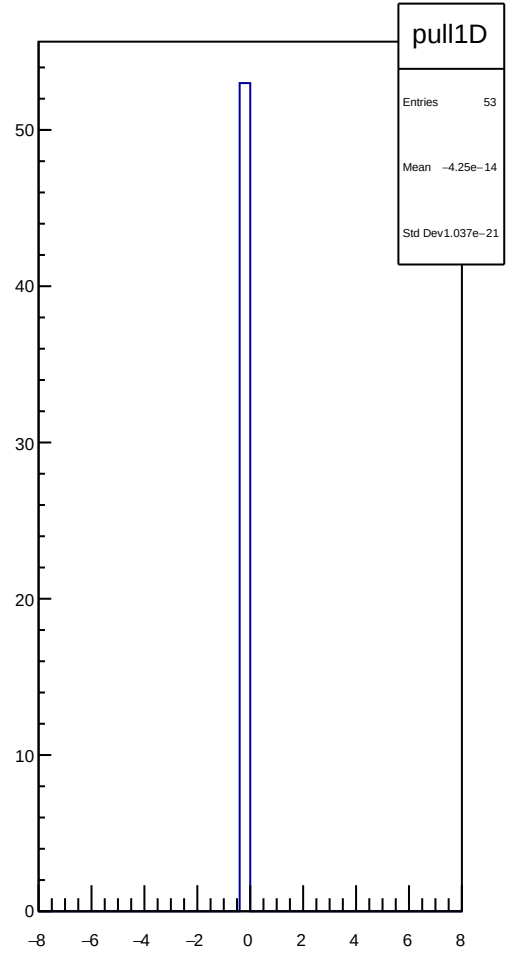

dit_usl_4aX_slope vs run
χ² / ndf 3.594e−27 / 52
p0 −77.26 ± 0.2371
−75.5
−76
−76.5
−77
−77.5
−78
−78.5
−79
pull
Entries 53
Mean 26.5
Std Dev 15.3
×10⁻¹⁵

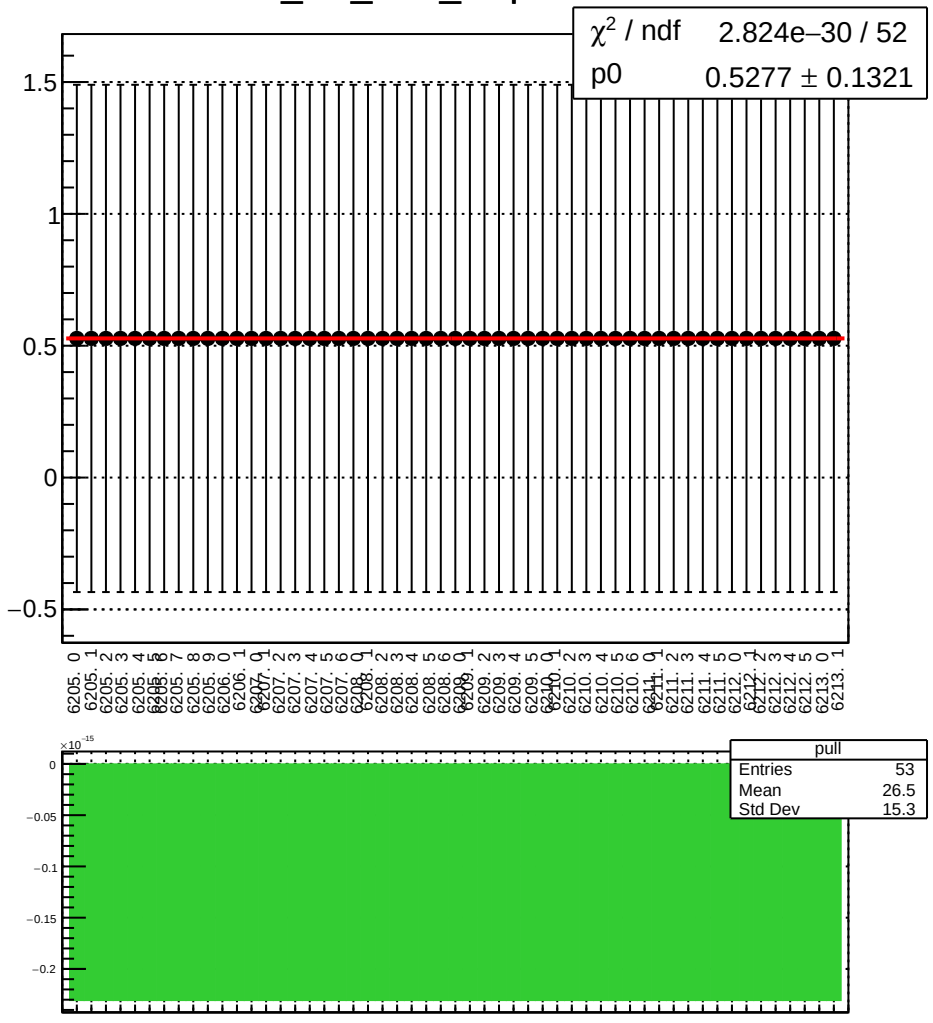

pull1D
Entries 53
Mean 8.235e−15
Std Dev 3.962e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

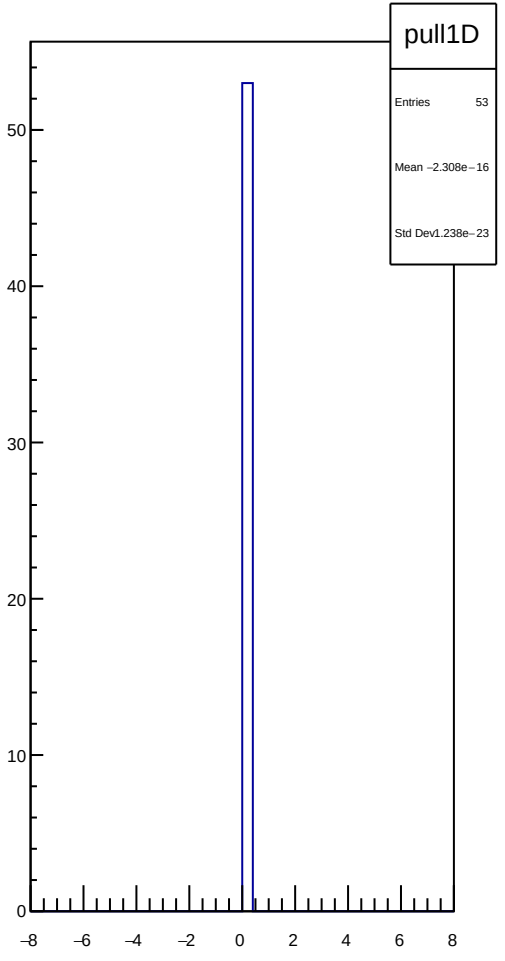

dit_usl_4eX_slope vs run
χ² / ndf 2.531e−27 / 52
p0 35.29 ± 0.2825
pull
Entries 53
Mean 26.5
Std Dev 15.3

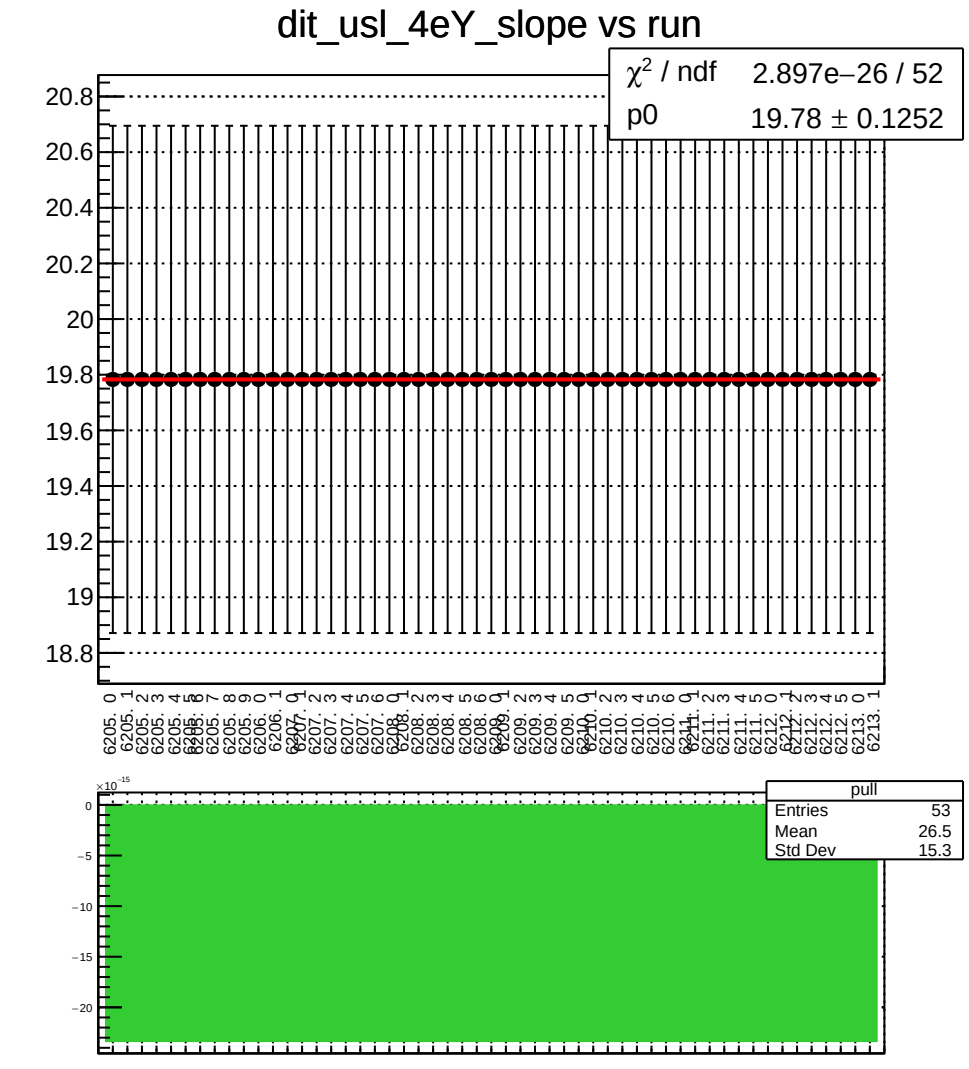

pull1D
Entries 53
Mean −6.91e−15
Std Dev 2.593e−22

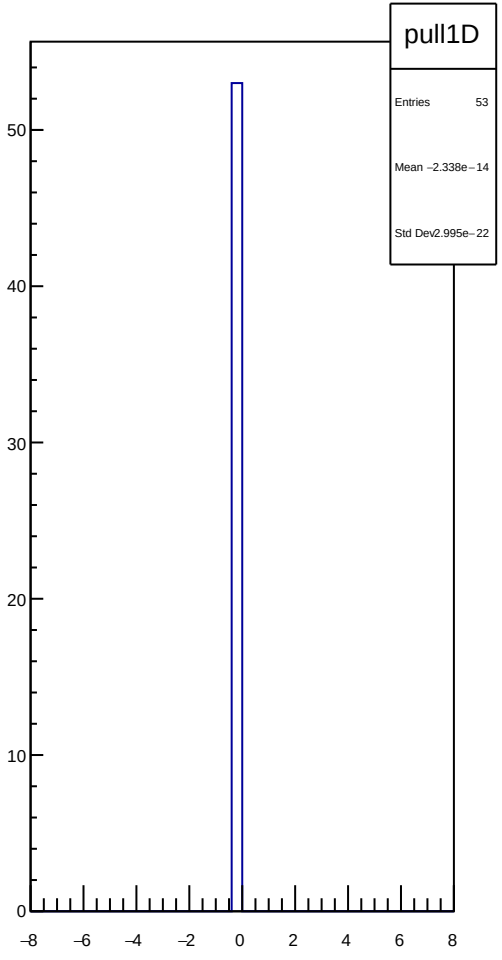

dit_usl_11X12X_slope vs run
χ² / ndf 9.574e−26 / 52
p0 −37.15 ± 0.04593
−36.8
−36.9
−37
−37.1
−37.2
−37.3
−37.4
−37.5
pull
Entries 53
Mean 26.5
Std Dev 15.3
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40

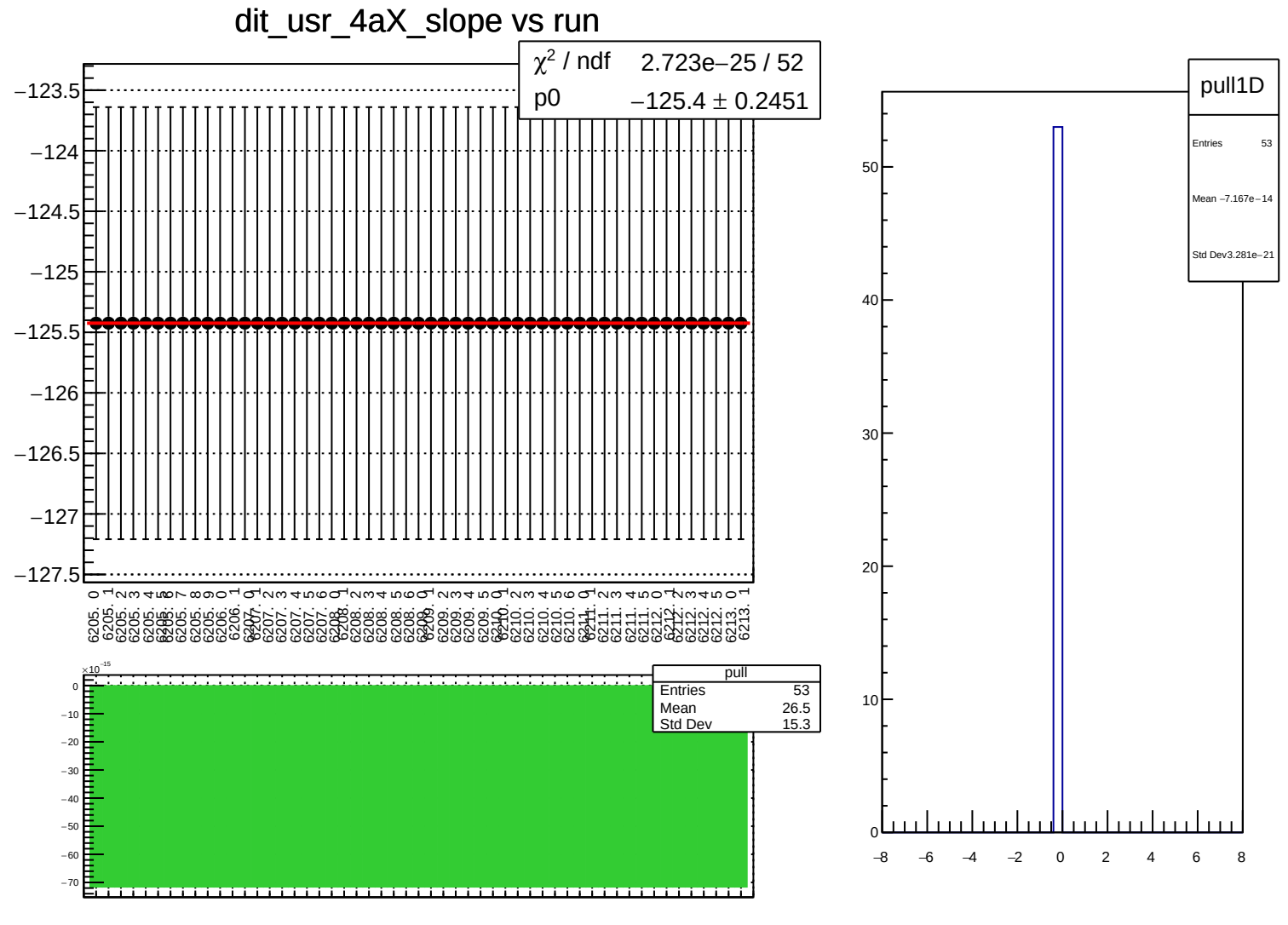

pull1D
Entries 53
Mean −4.25e−14
Std Dev1.037e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

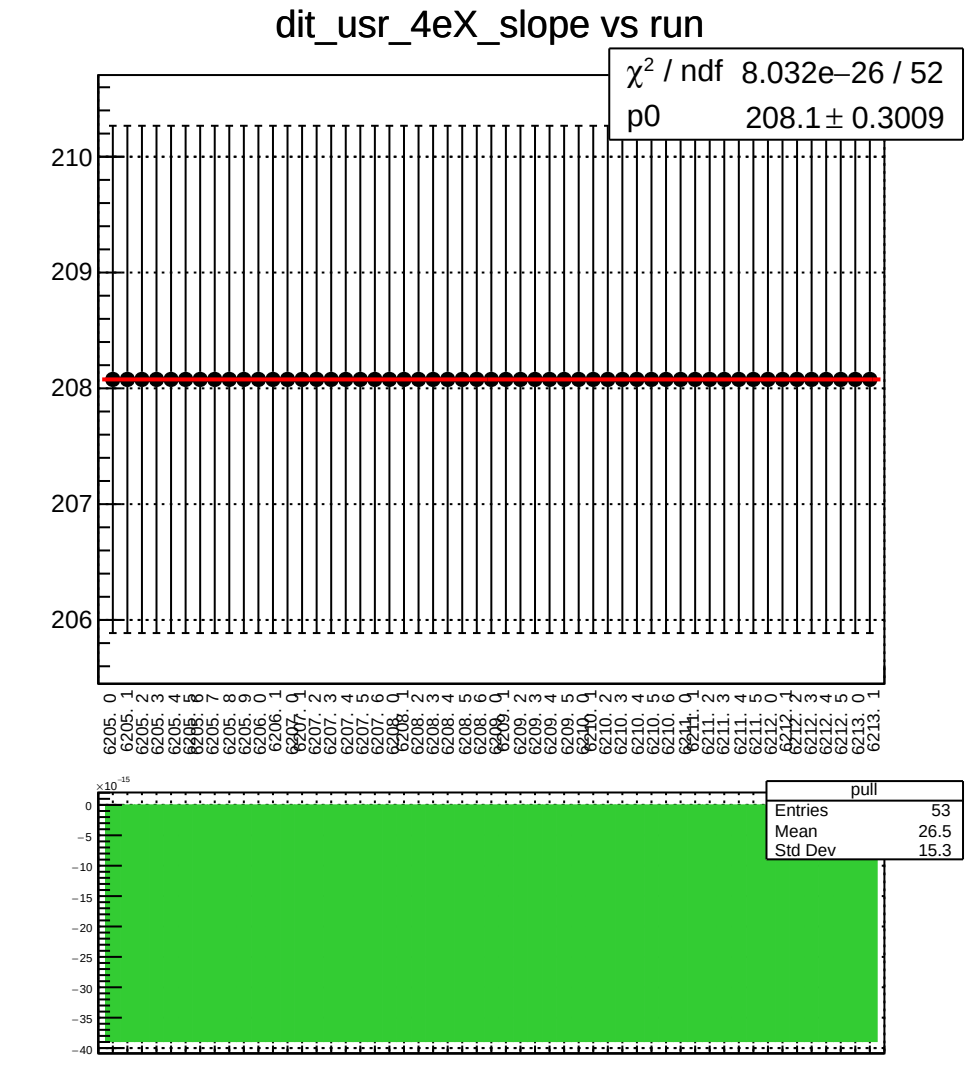

dit_usl_4aY_slope vs run
χ² / ndf 2.824e−30 / 52
p0 0.5277 ± 0.1321
1.5
1
0.5
0
−0.5
pull
Entries 53
Mean 26.5
Std Dev 15.3
×10⁻¹⁵
0
−0.05
−0.1
−0.15
−0.2

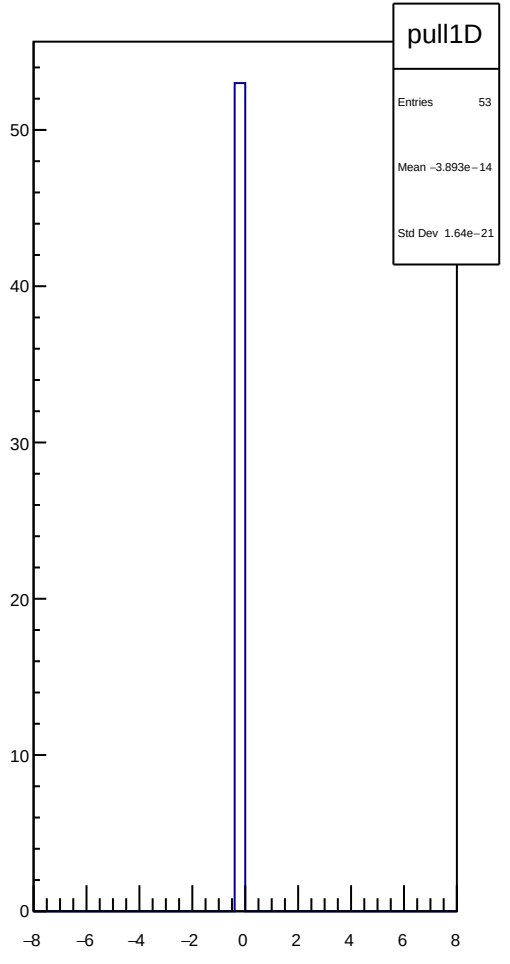

pull1D
Entries 53
Mean −2.308e−16
Std Dev1.238e−23
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

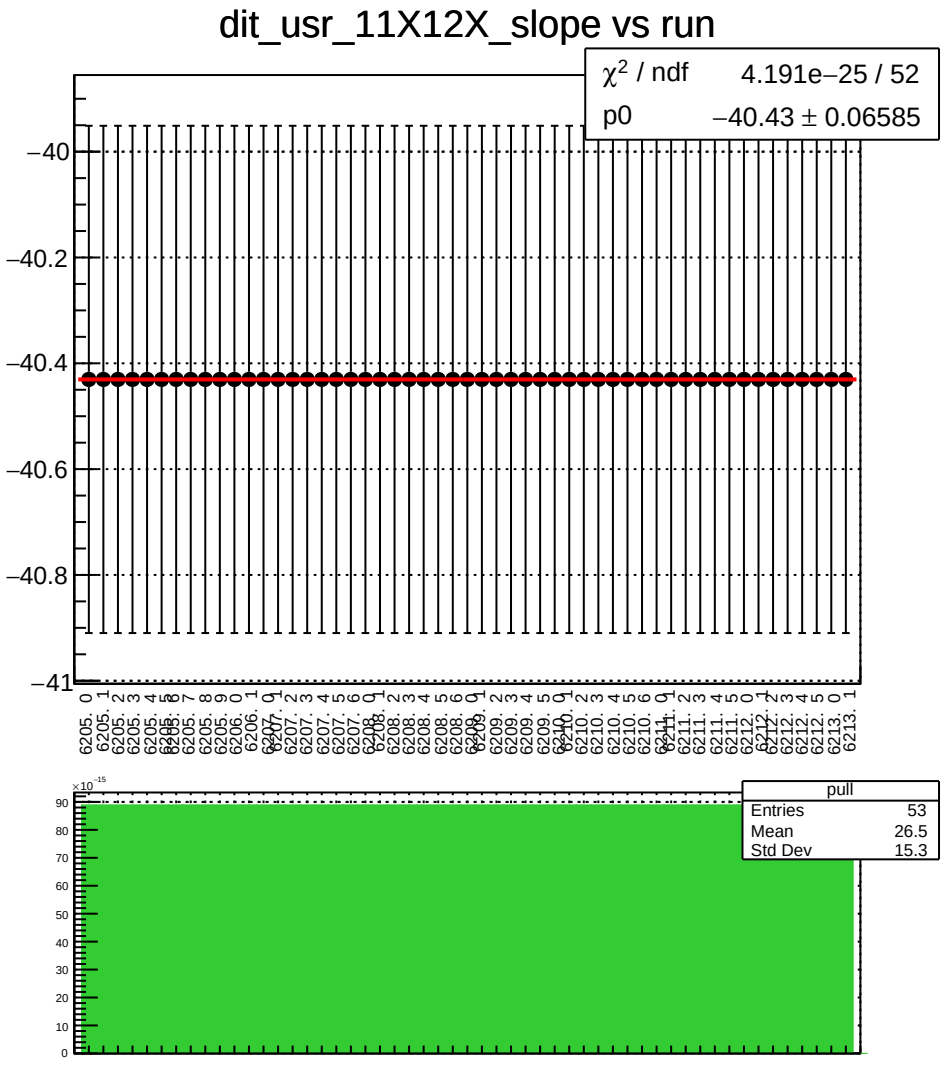

dit_usl_4eY_slope vs run
χ² / ndf 2.897e−26 / 52
p0 19.78 ± 0.1252
pull
Entries 53
Mean 26.5
Std Dev 15.3

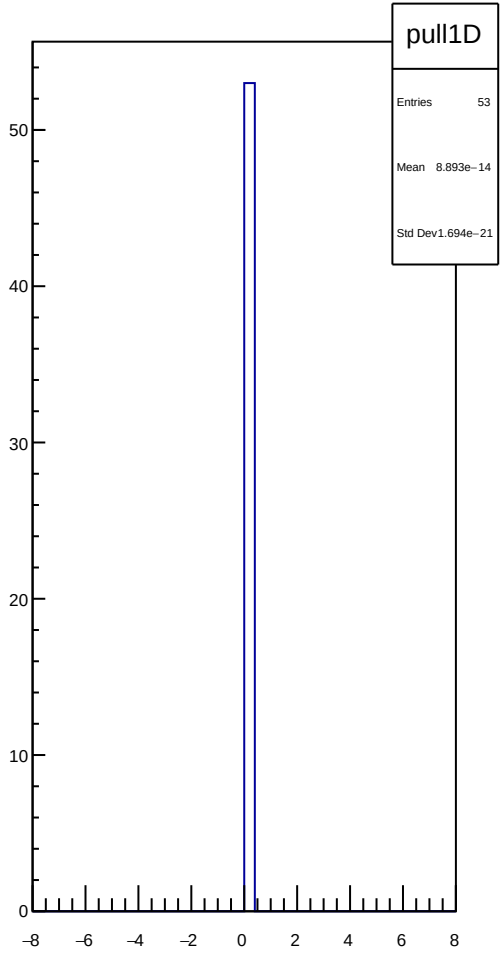

pull1D
Entries 53
Mean −2.338e−14
Std Dev 2.995e−22

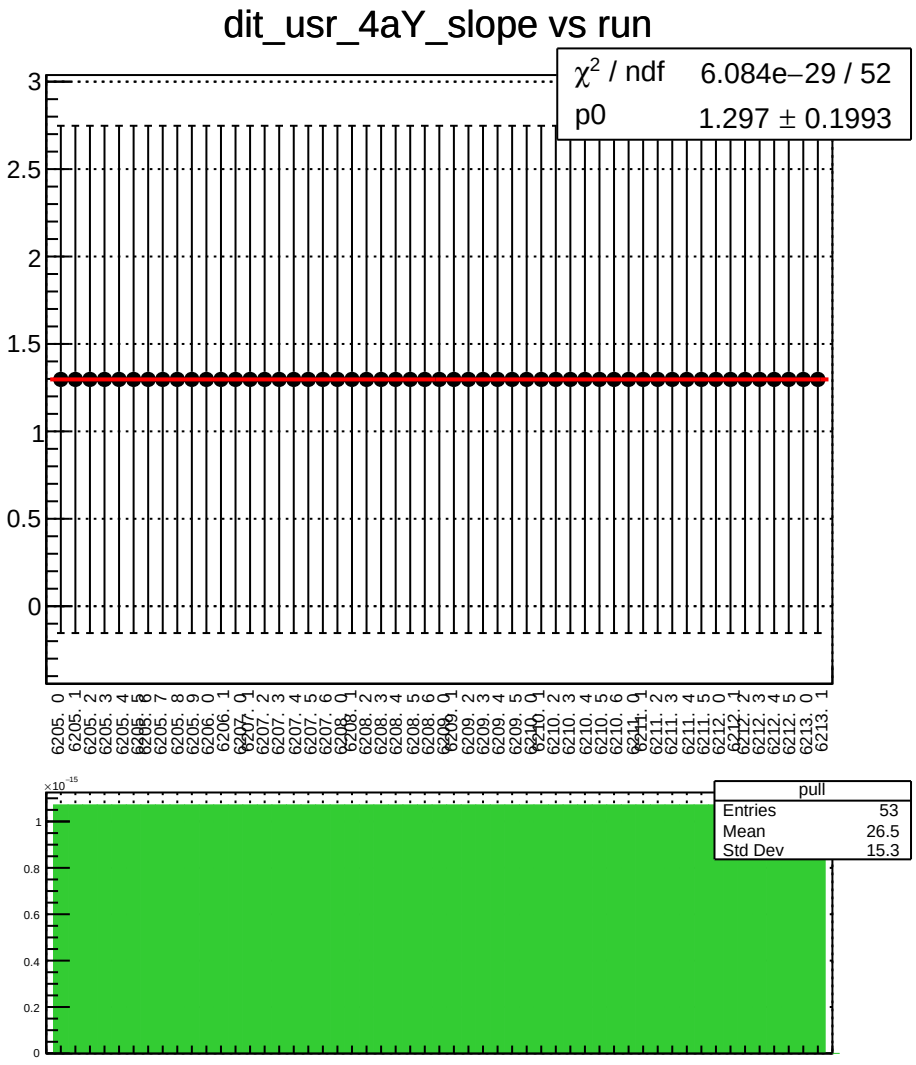

dit_usr_4aX_slope vs run
χ² / ndf 2.723e−25 / 52
p0 −125.4 ± 0.2451
−123.5
−124
−124.5
−125
−125.5
−126
−126.5
−127
−127.5
pull
Entries 53
Mean 26.5
Std Dev 15.3
pull1D
Entries 53
Mean −7.167e−14
Std Dev3.281e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

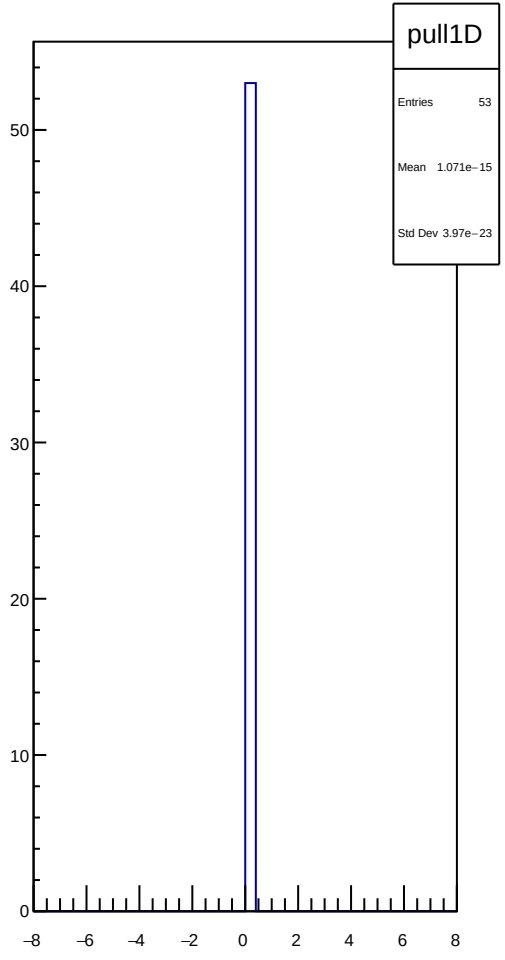

dit_usr_4eX_slope vs run
χ² / ndf 8.032e−26 / 52
p0 208.1 ± 0.3009
210
209
208
207
206
pull
Entries 53
Mean 26.5
Std Dev 15.3
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40

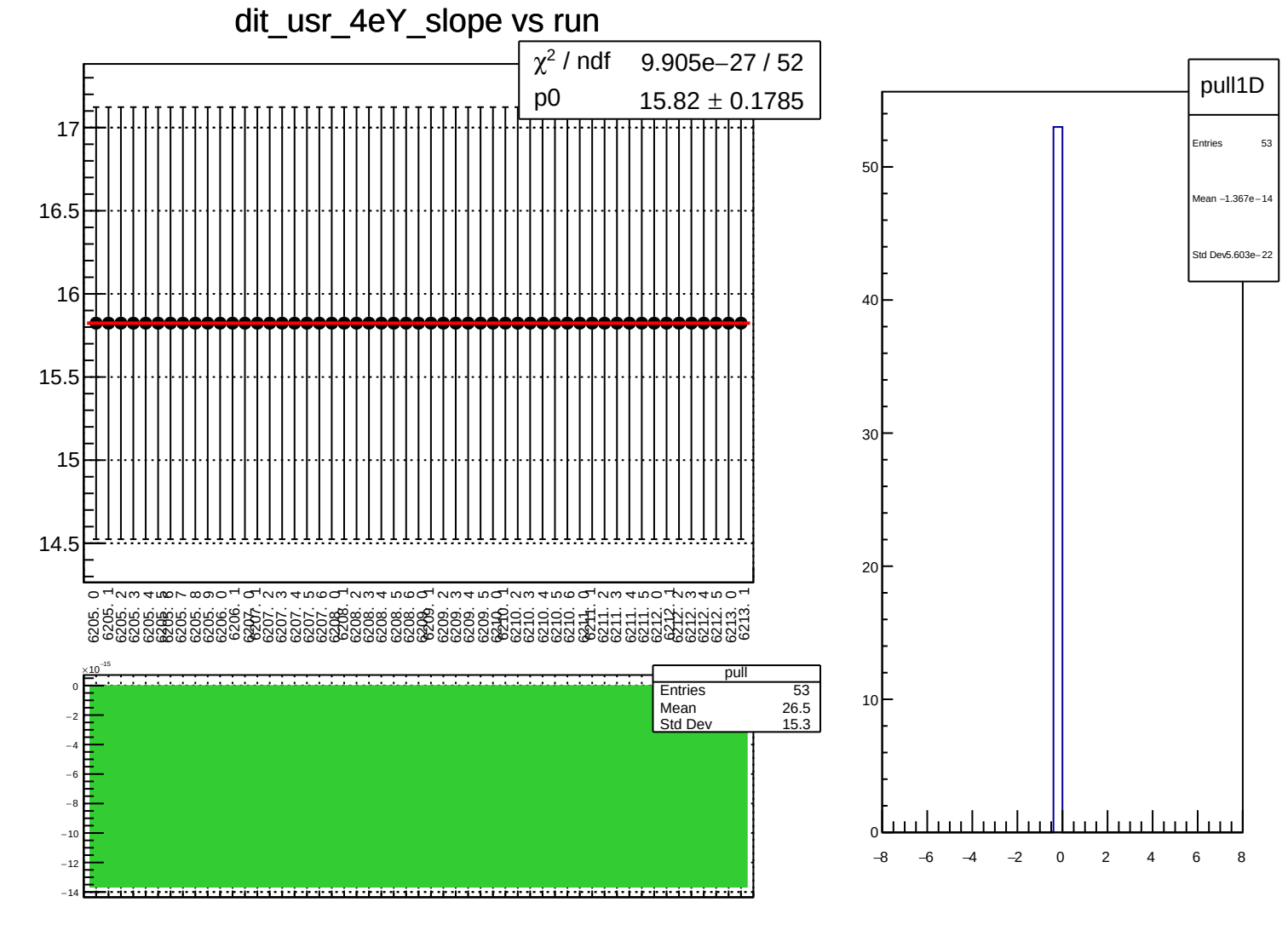

pull1D
Entries 53
Mean −3.893e−14
Std Dev 1.64e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

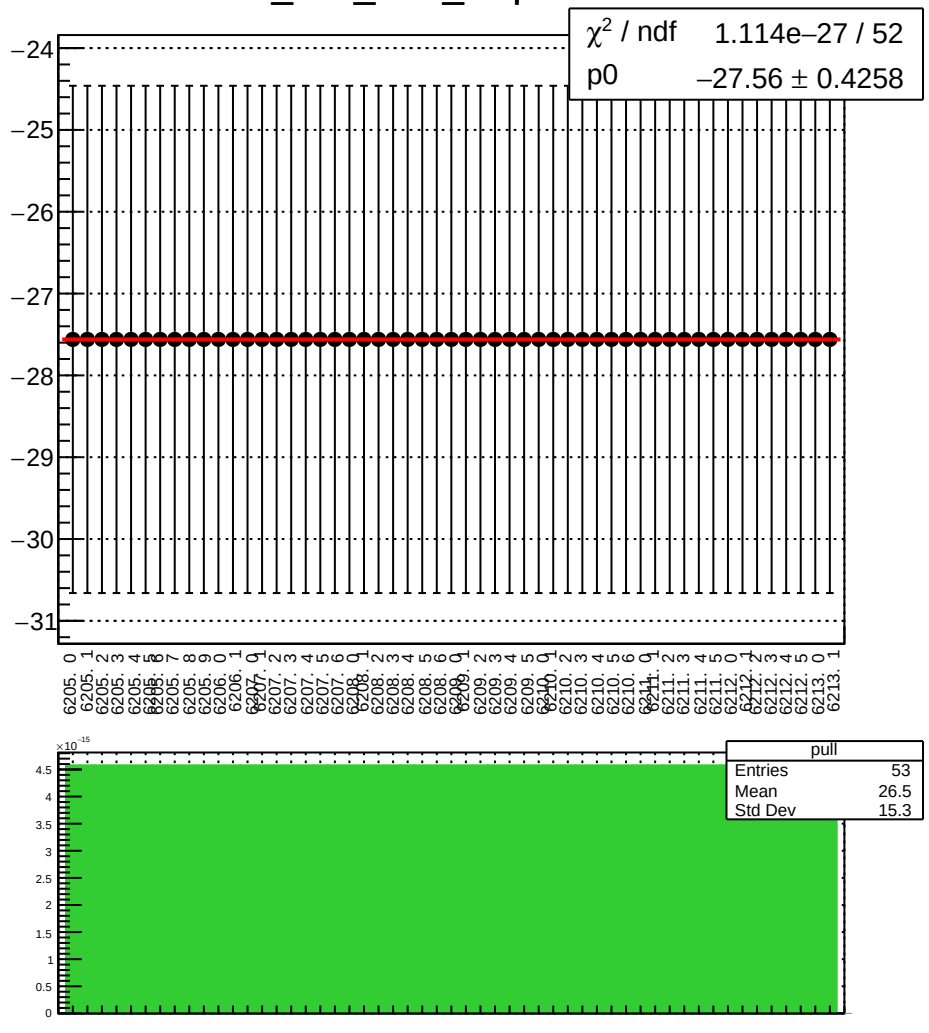

dit_usr_11X12X_slope vs run
χ² / ndf 4.191e−25 / 52
p0 −40.43 ± 0.06585
−40
−40.2
−40.4
−40.6
−40.8
−41
pull
Entries 53
Mean 26.5
Std Dev 15.3
×10⁻¹⁵

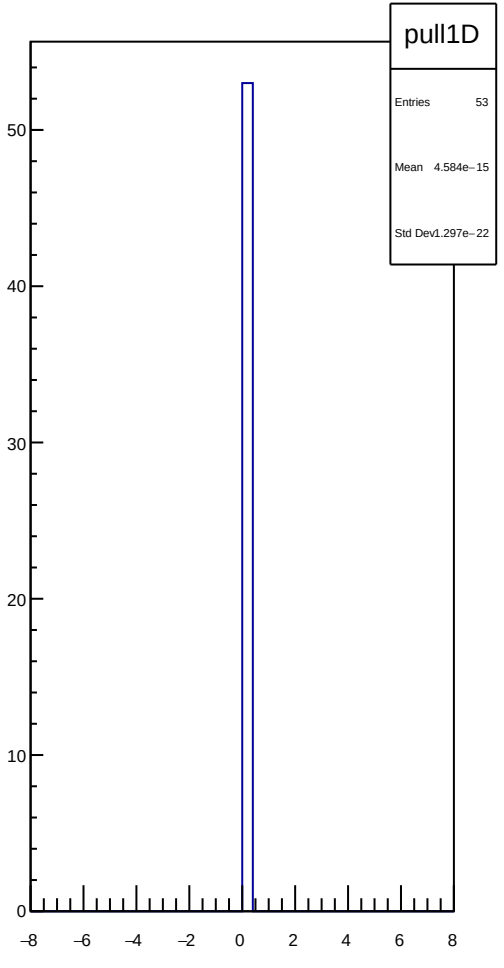

pull1D
Entries 53
Mean 8.893e−14
Std Dev1.694e−21

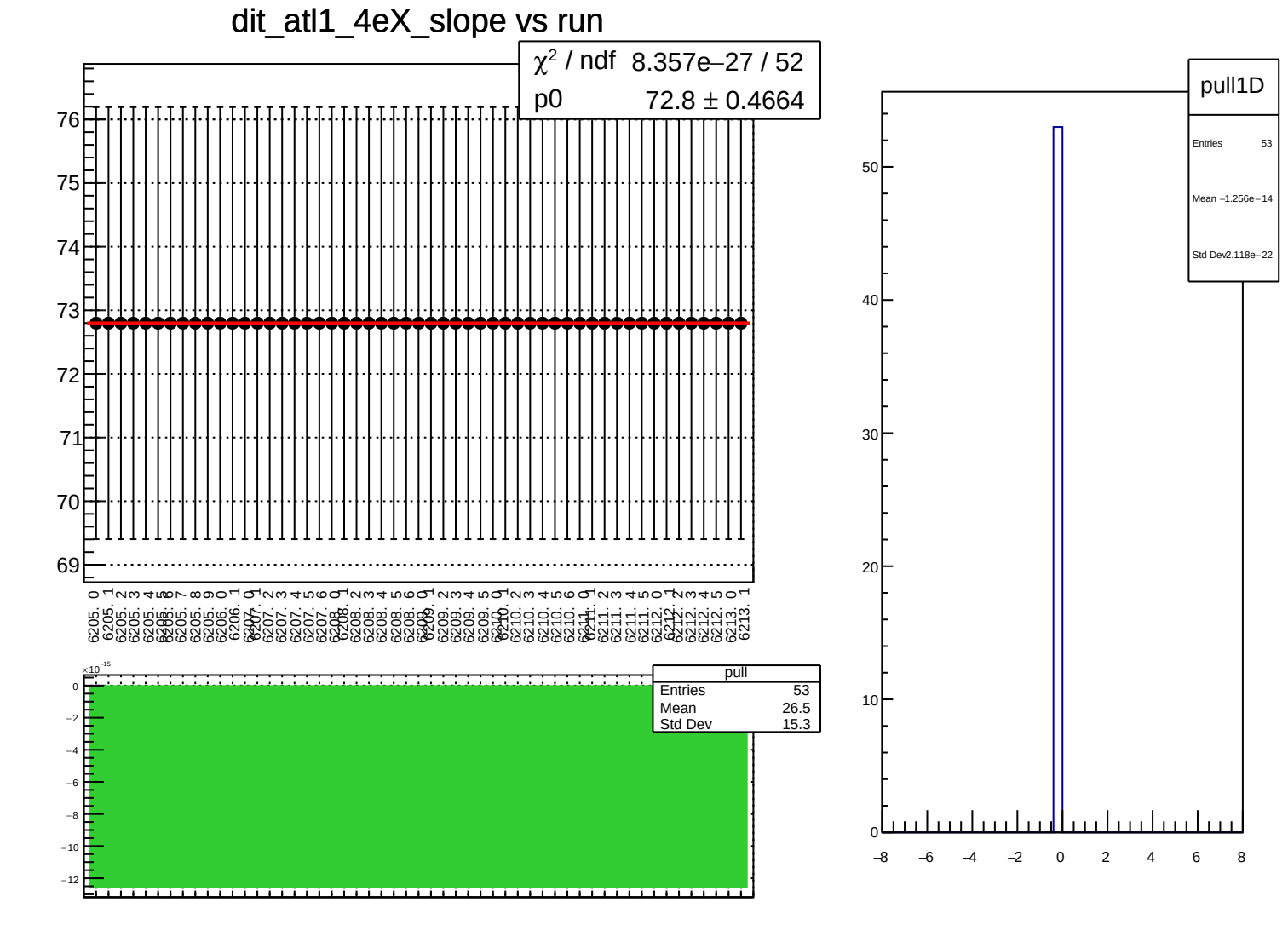

dit_usr_4aY_slope vs run
χ² / ndf 6.084e−29 / 52
p0 1.297 ± 0.1993
pull
Entries 53
Mean 26.5
Std Dev 15.3

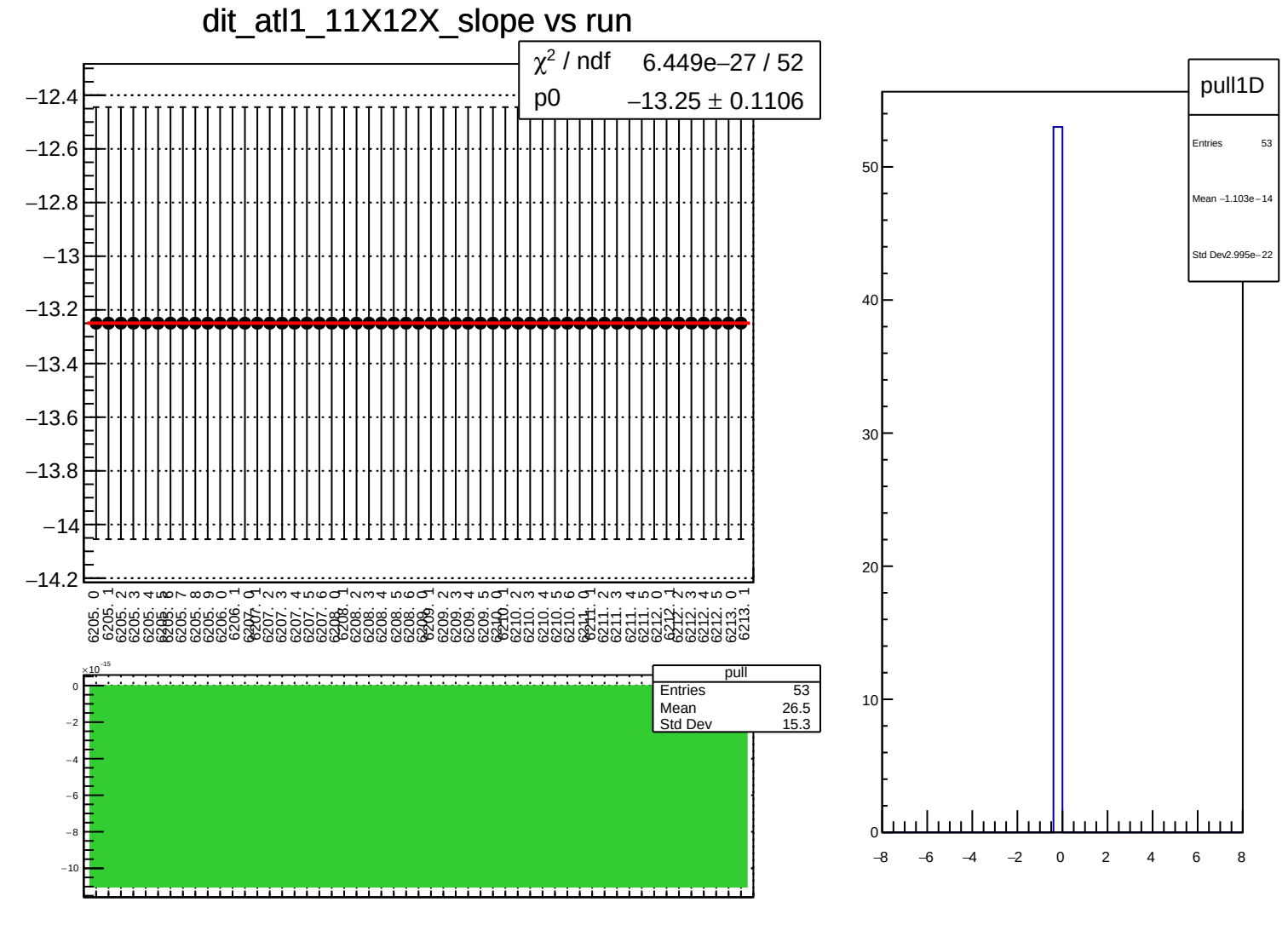

pull1D
Entries 53
Mean 1.071e−15
Std Dev 3.97e−23

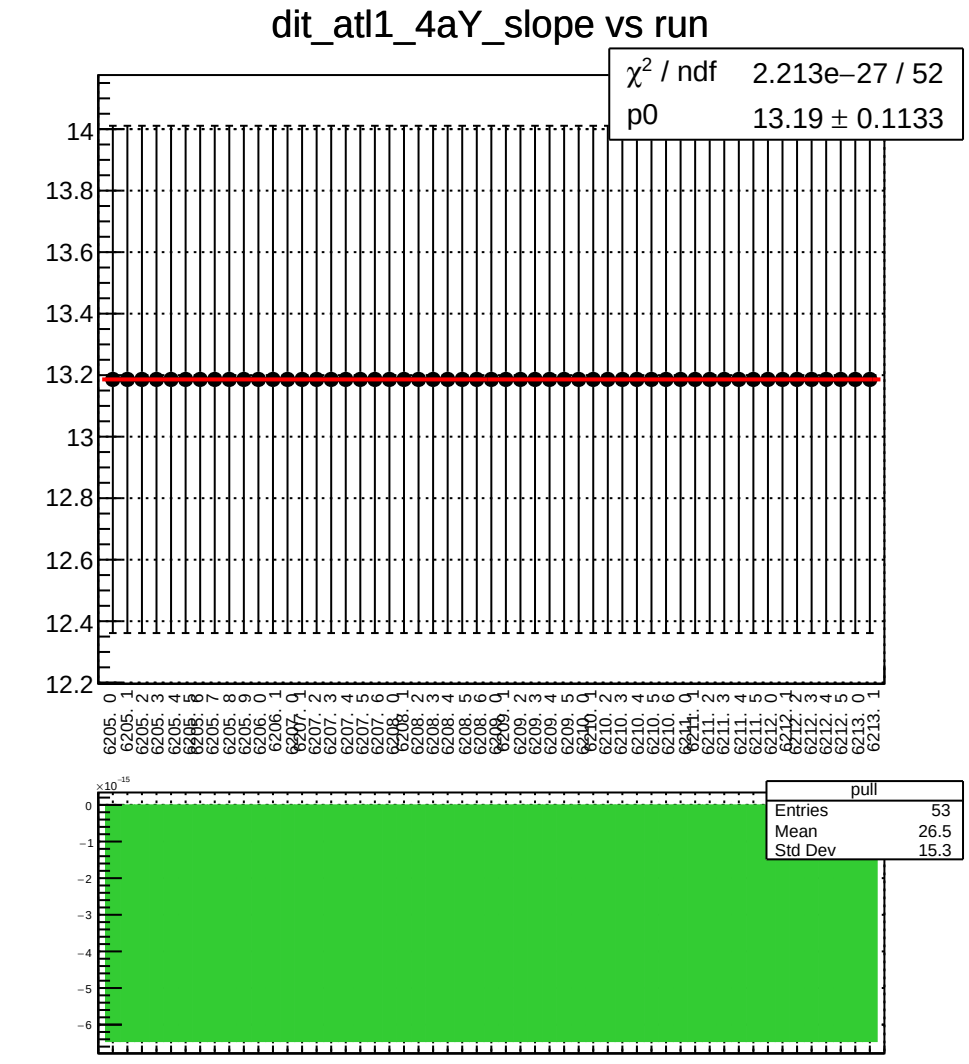

dit_usr_4eY_slope vs run
χ² / ndf 9.905e−27 / 52
p0 15.82 ± 0.1785
17
16.5
16
15.5
15
14.5
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6207. 7
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 7
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6210. 7
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
pull
Entries 53
Mean 26.5
Std Dev 15.3
pull1D
Entries 53
Mean −1.367e−14
Std Dev5.603e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

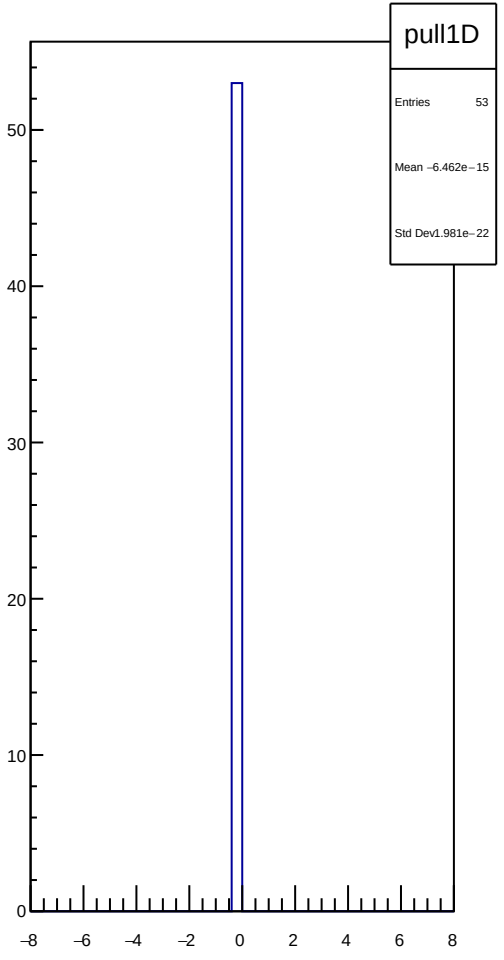

dit_atl1_4aX_slope vs run
χ² / ndf 1.114e−27 / 52
p0 −27.56 ± 0.4258
pull
Entries 53
Mean 26.5
Std Dev 15.3

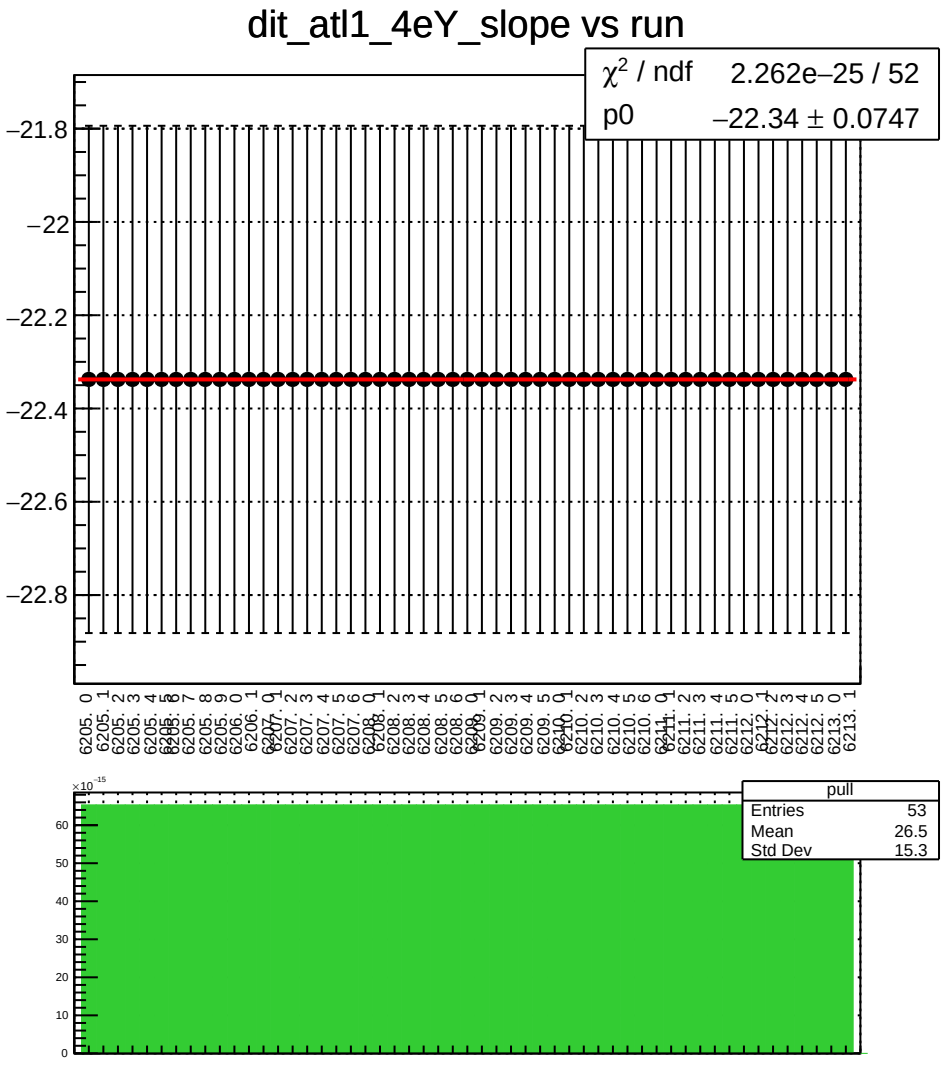

pull1D
Entries 53
Mean 4.584e−15
Std Dev1.297e−22

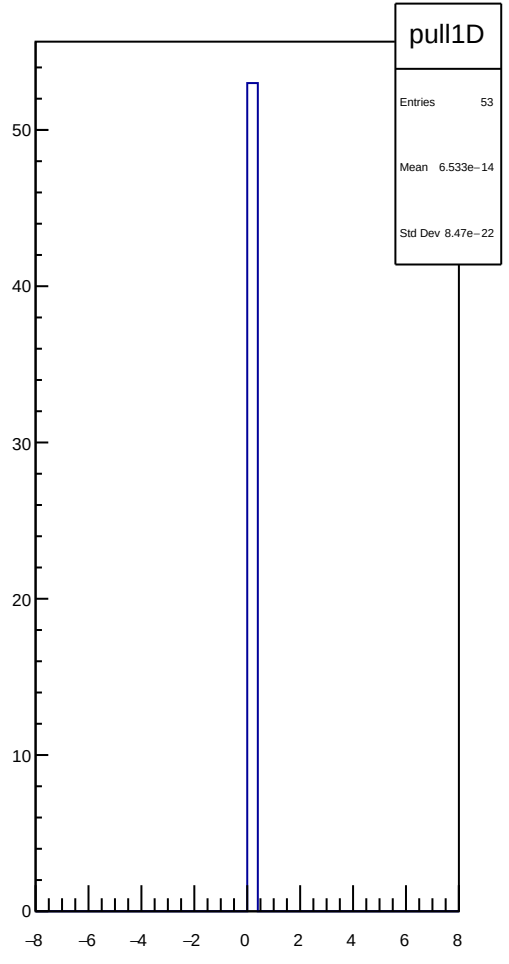

dit_atl1_4eX_slope vs run
χ² / ndf 8.357e−27 / 52
p0 72.8 ± 0.4664
pull
Entries 53
Mean 26.5
Std Dev 15.3
pull1D
Entries 53
Mean −1.256e−14
Std Dev2.118e−22

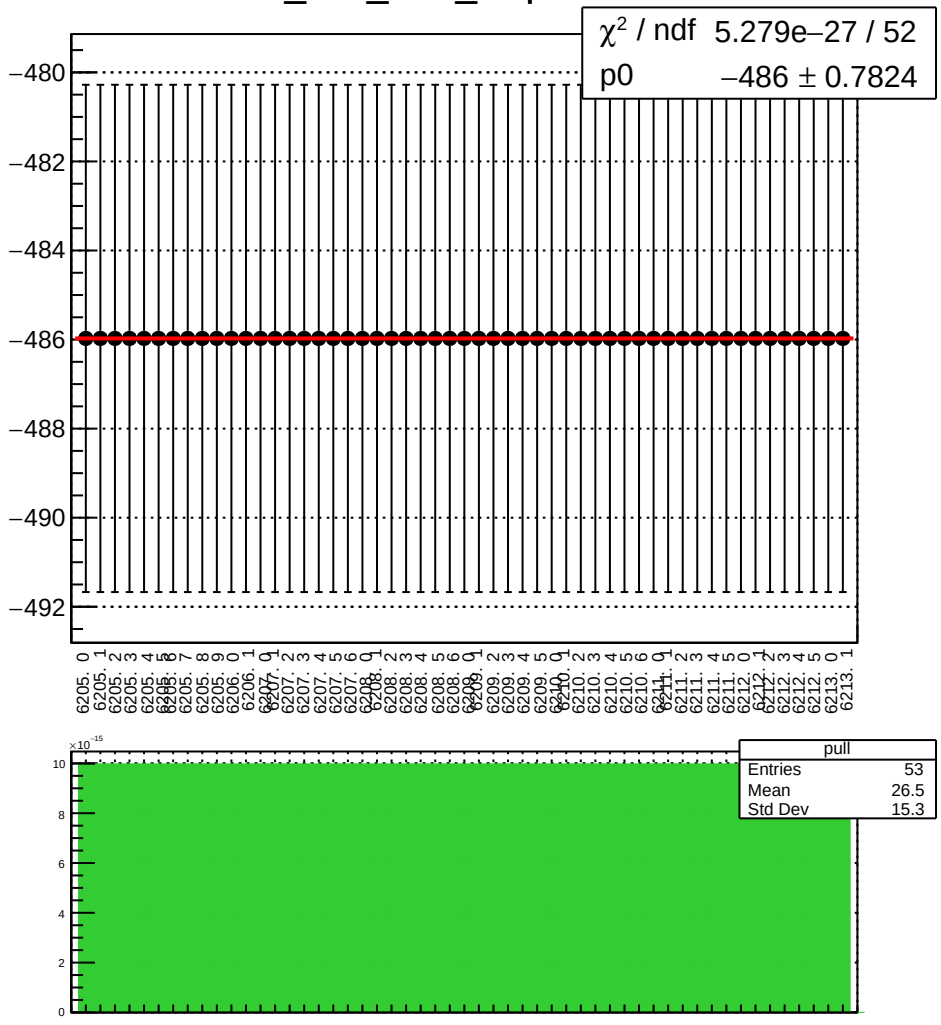

dit_atl1_11X12X_slope vs run
χ² / ndf 6.449e−27 / 52
p0 −13.25 ± 0.1106
−12.4
−12.6
−12.8
−13
−13.2
−13.4
−13.6
−13.8
−14
−14.2
pull
Entries 53
Mean 26.5
Std Dev 15.3
pull1D
Entries 53
Mean −1.103e−14
Std Dev 2.995e−22

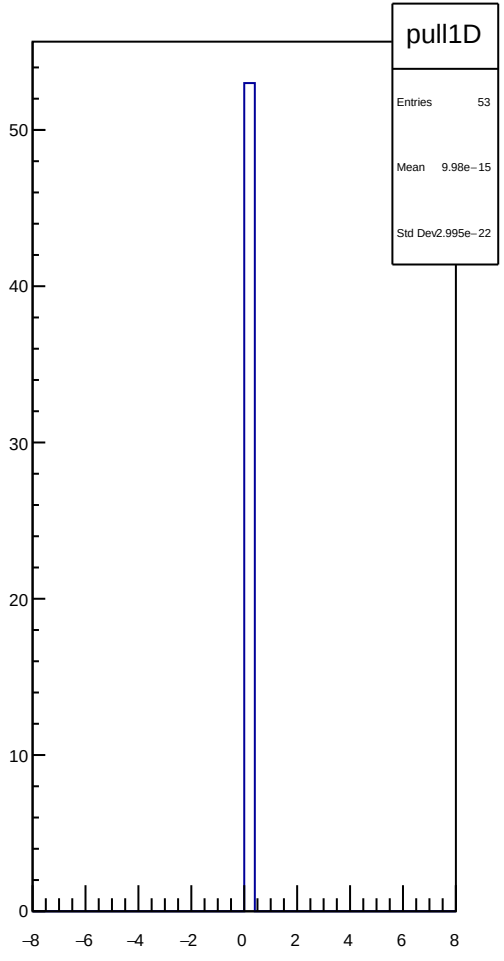

dit_atl1_4aY_slope vs run
$\chi^2$ / ndf 2.213e−27 / 52
p0 13.19 ± 0.1133
pull
Entries 53
Mean 26.5
Std Dev 15.3

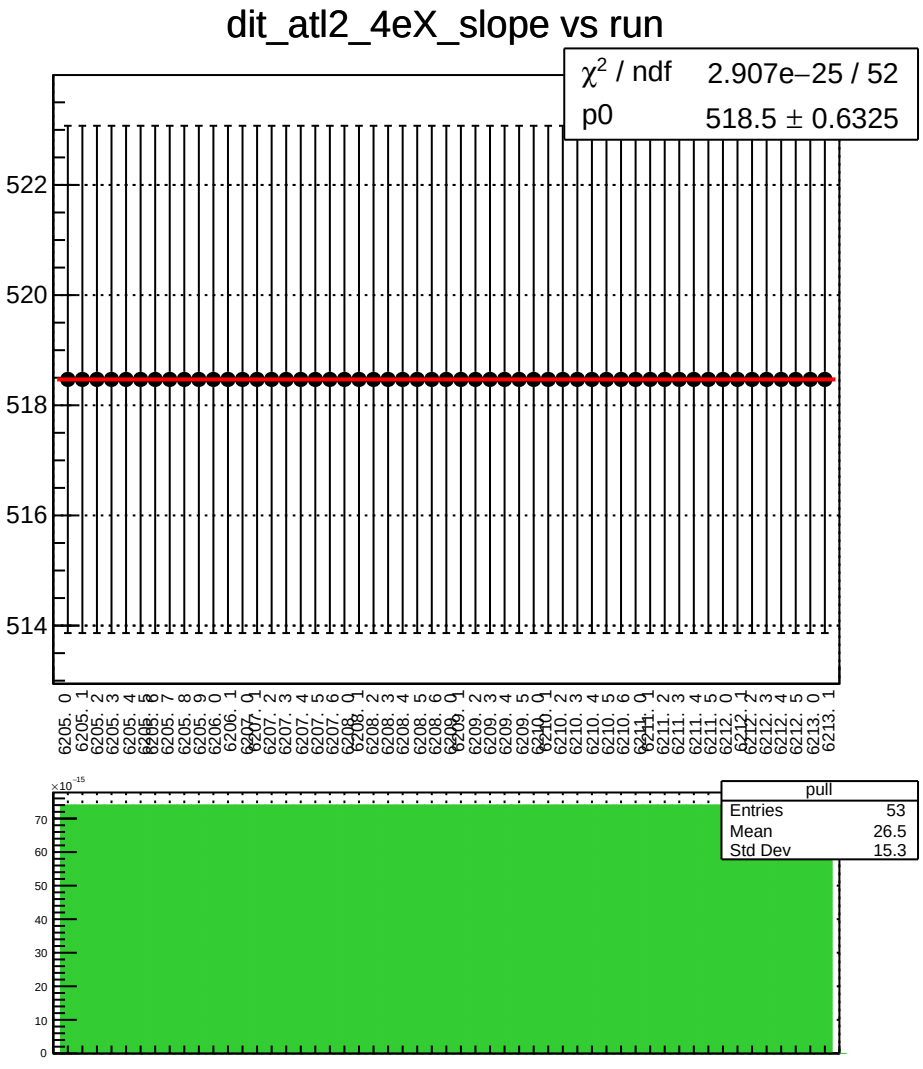

pull1D
Entries 53
Mean −6.462e−15
Std Dev1.981e−22

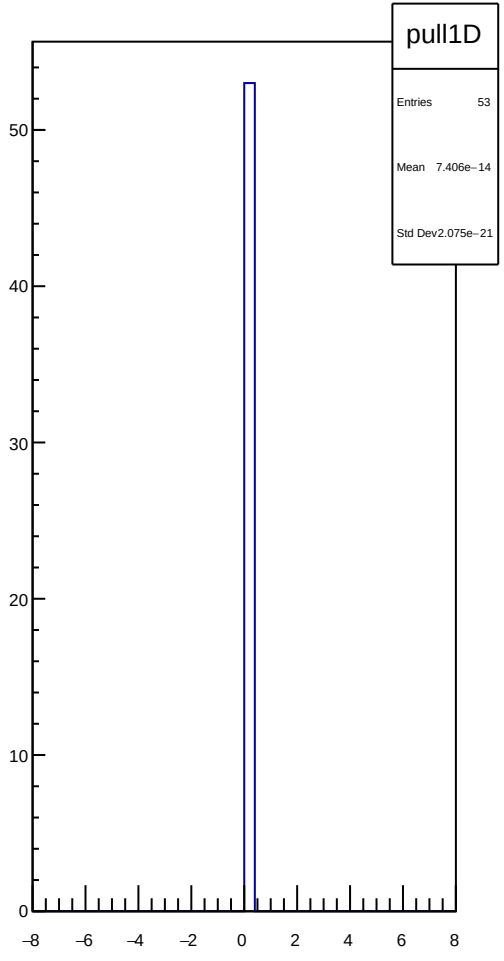

dit_atl1_4eY_slope vs run
χ² / ndf 2.262e−25 / 52
p0 −22.34 ± 0.0747
−21.8
−22
−22.2
−22.4
−22.6
−22.8
pull
Entries 53
Mean 26.5
Std Dev 15.3
×10⁻¹⁵
60
50
40
30
20
10
0

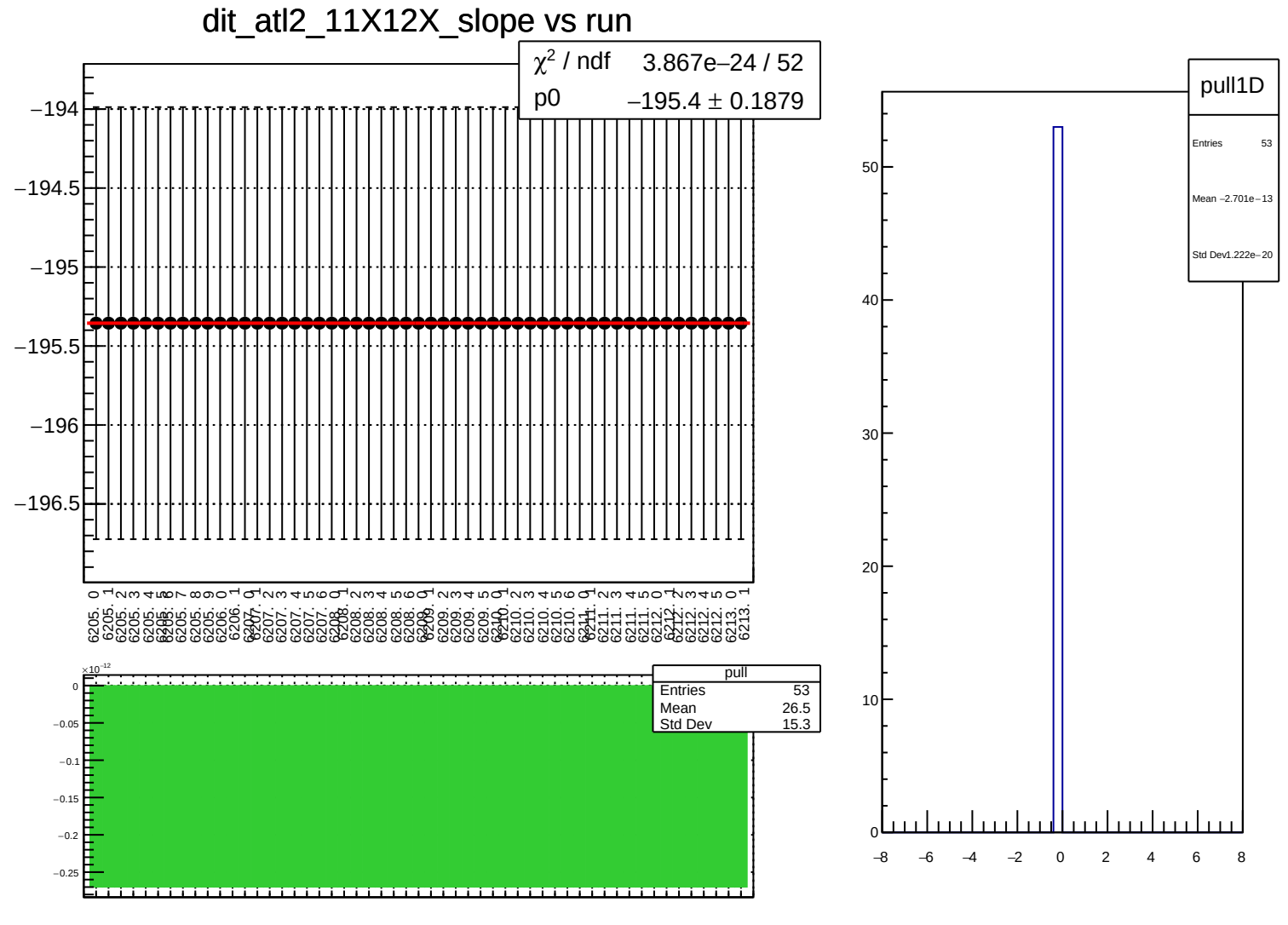

pull1D
Entries 53
Mean 6.533e−14
Std Dev 8.47e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

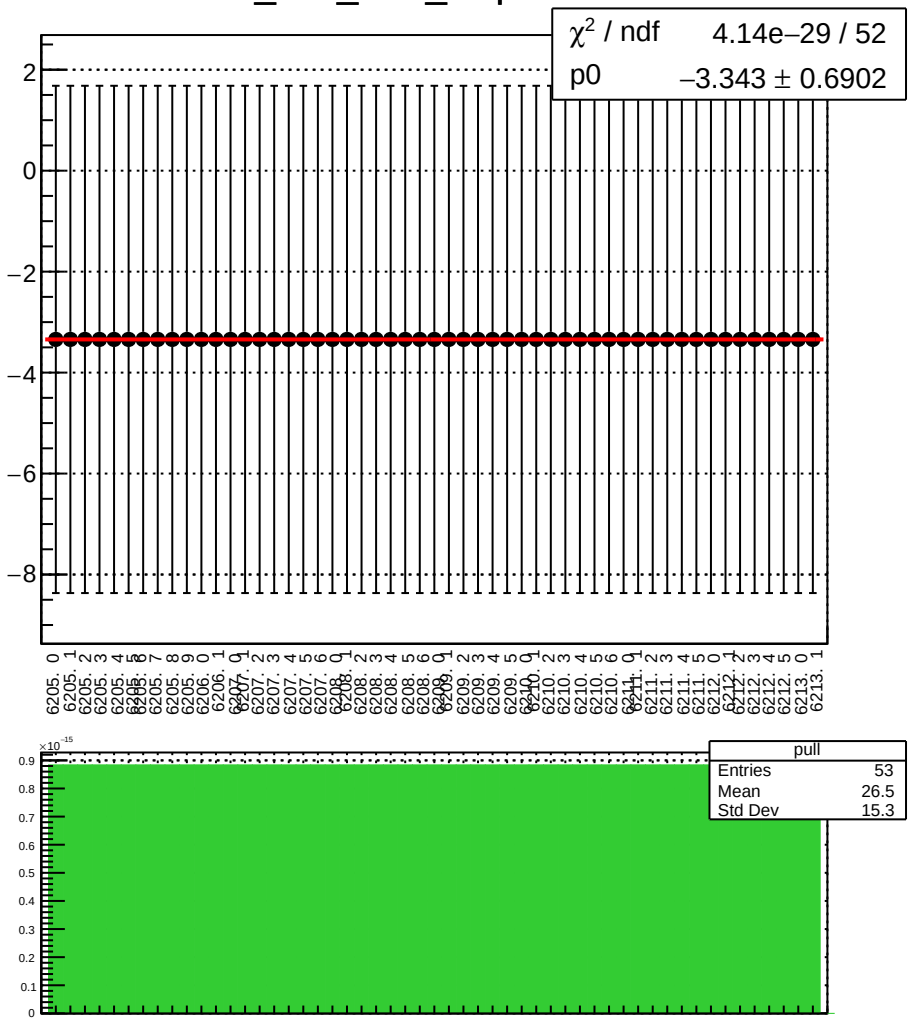

dit_atl2_4aX_slope vs run
χ² / ndf 5.279e−27 / 52
p0 −486 ± 0.7824
−480
−482
−484
−486
−488
−490
−492
pull
Entries 53
Mean 26.5
Std Dev 15.3
×10⁻¹⁵
10
8
6
4
2
0

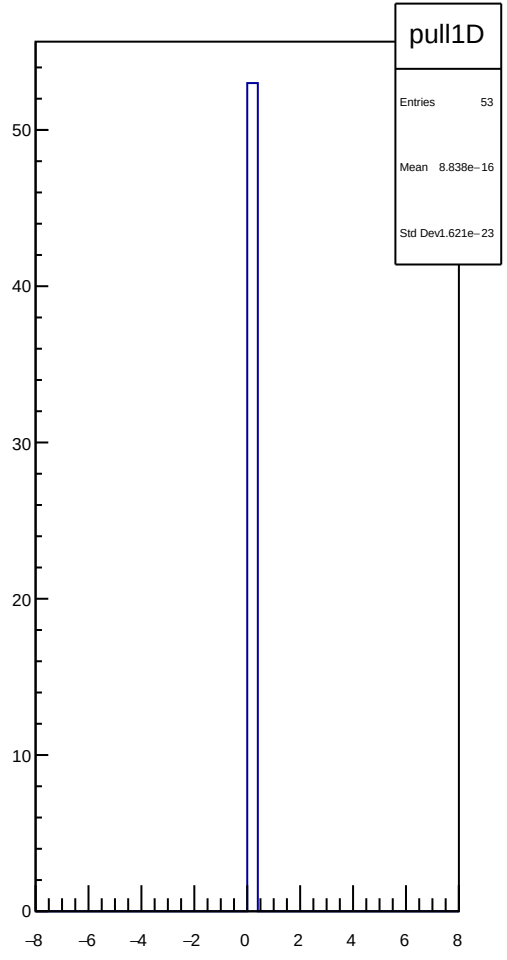

pull1D
Entries 53
Mean 9.98e−15
Std Dev 2.995e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

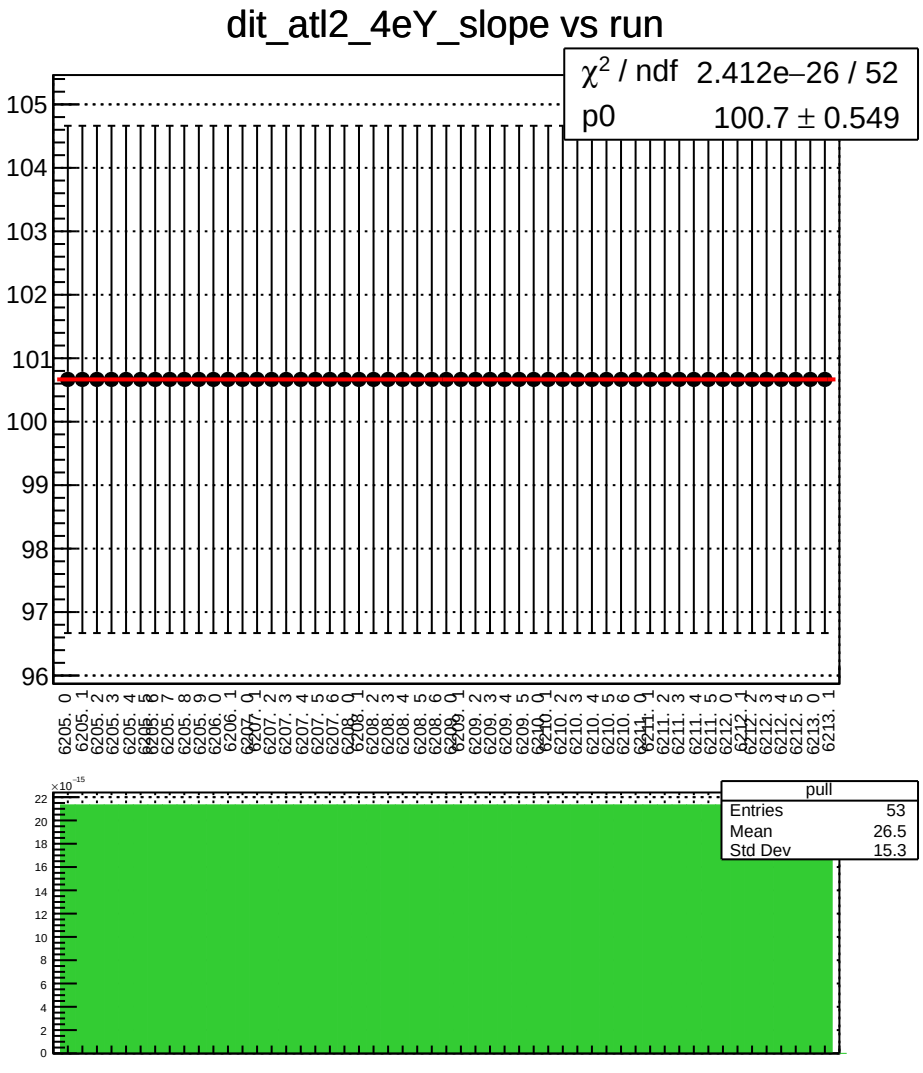

dit_atl2_4eX_slope vs run
χ² / ndf 2.907e−25 / 52
p0 518.5 ± 0.6325
522
520
518
516
514
pull
Entries 53
Mean 26.5
Std Dev 15.3
×10⁻¹⁵
70
60
50
40
30
20
10
0

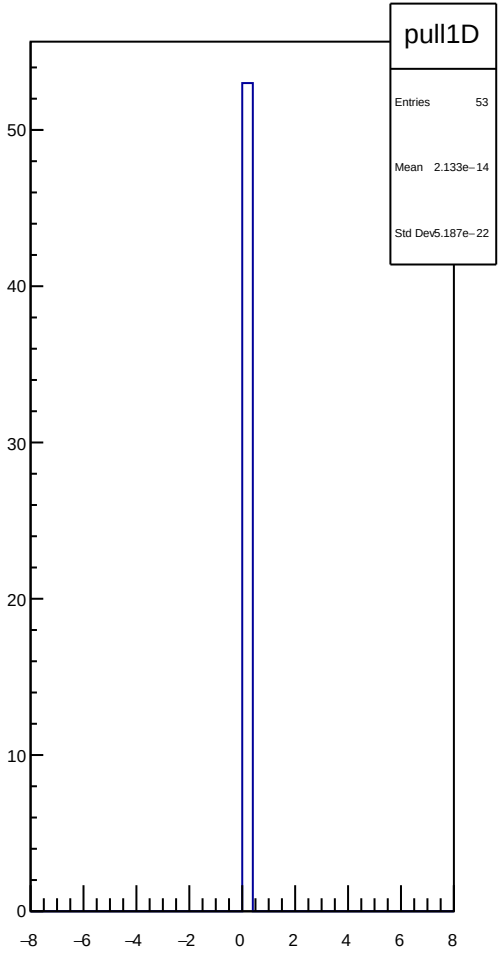

pull1D
Entries 53
Mean 7.406e−14
Std Dev2.075e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

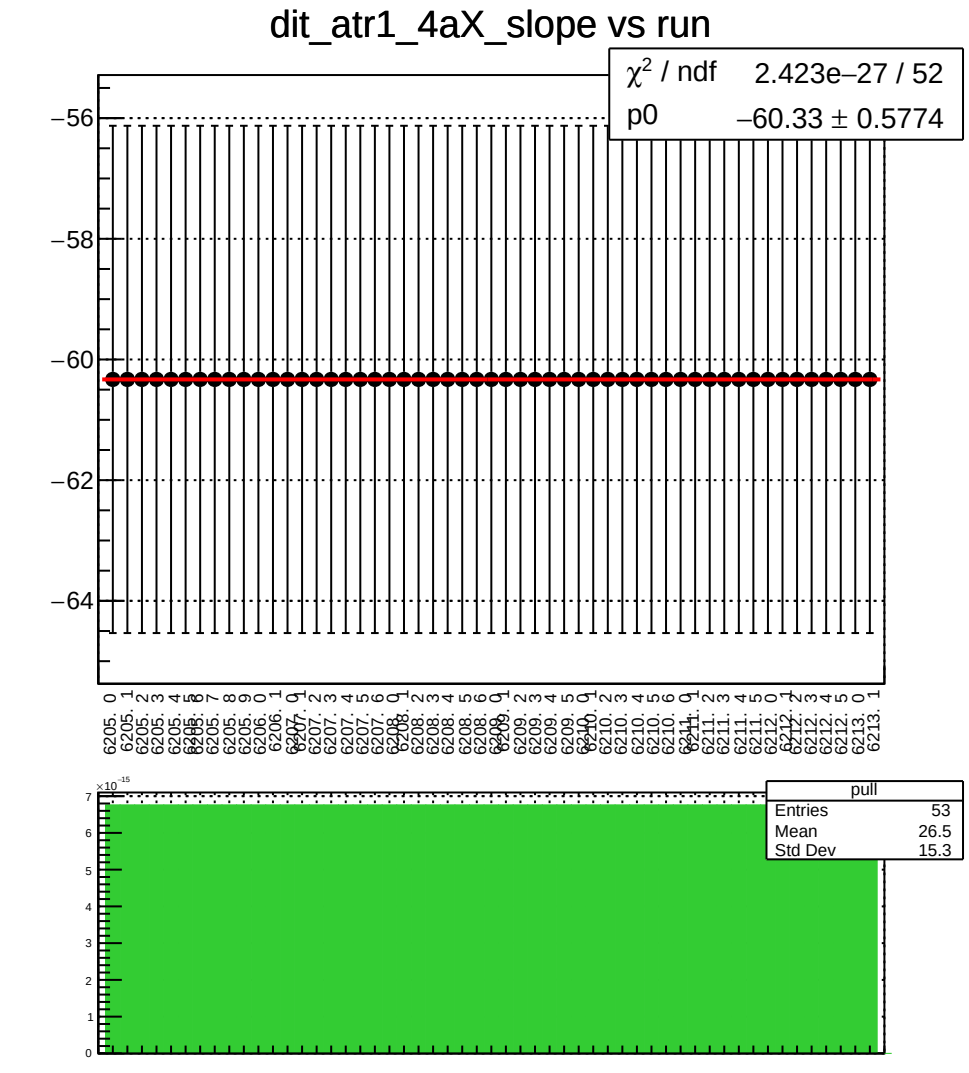

dit_atl2_11X12X_slope vs run
$\chi^2$ / ndf 3.867e−24 / 52
p0 −195.4 ± 0.1879
−194
−194.5
−195
−195.5
−196
−196.5
pull
Entries 53
Mean 26.5
Std Dev 15.3
pull1D
Entries 53
Mean −2.701e−13
Std Dev1.222e−20

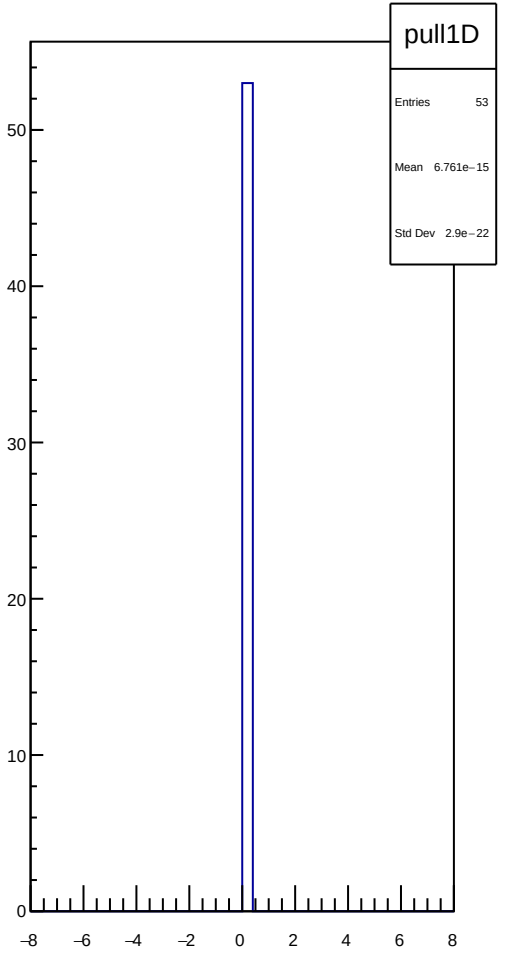

dit_atl2_4aY_slope vs run
χ² / ndf 4.14e−29 / 52
p0 −3.343 ± 0.6902
pull
Entries 53
Mean 26.5
Std Dev 15.3

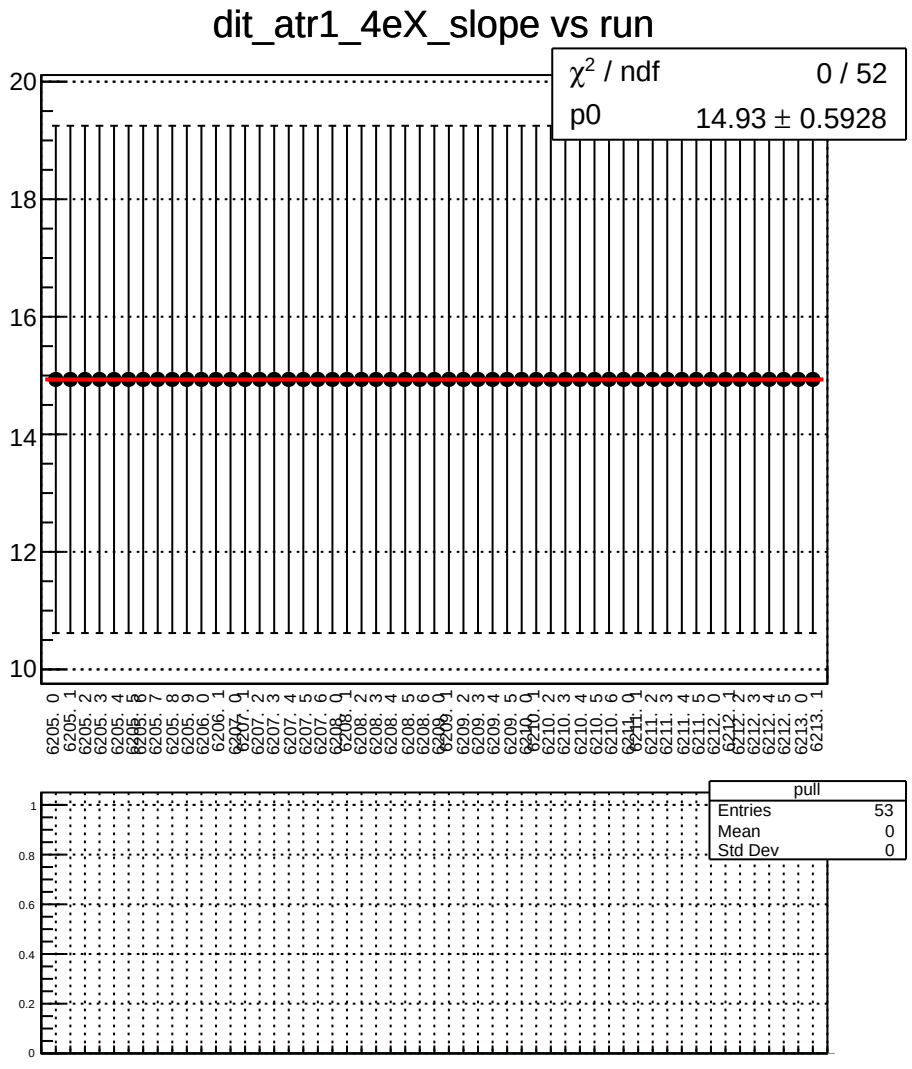

pull1D
Entries 53
Mean 8.838e−16
Std Dev1.621e−23

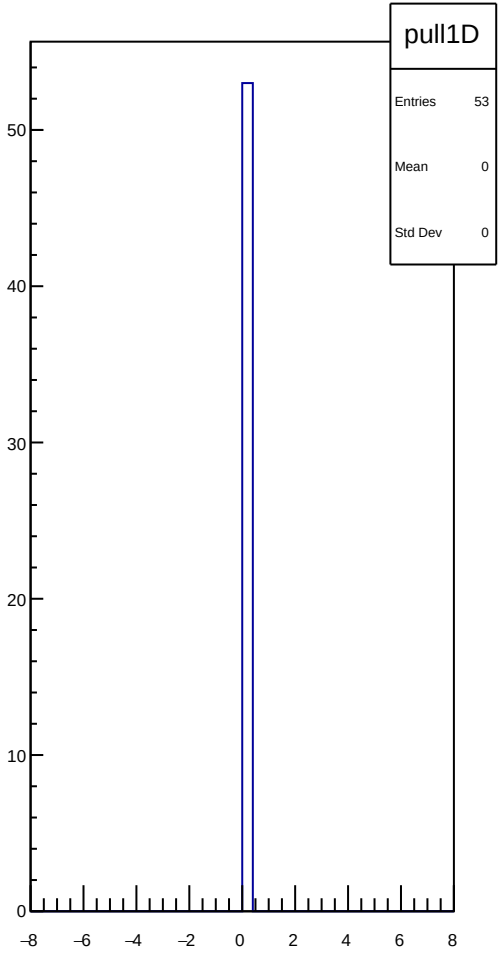

dit_atl2_4eY_slope vs run
χ² / ndf 2.412e−26 / 52
p0 100.7 ± 0.549
pull
Entries 53
Mean 26.5
Std Dev 15.3

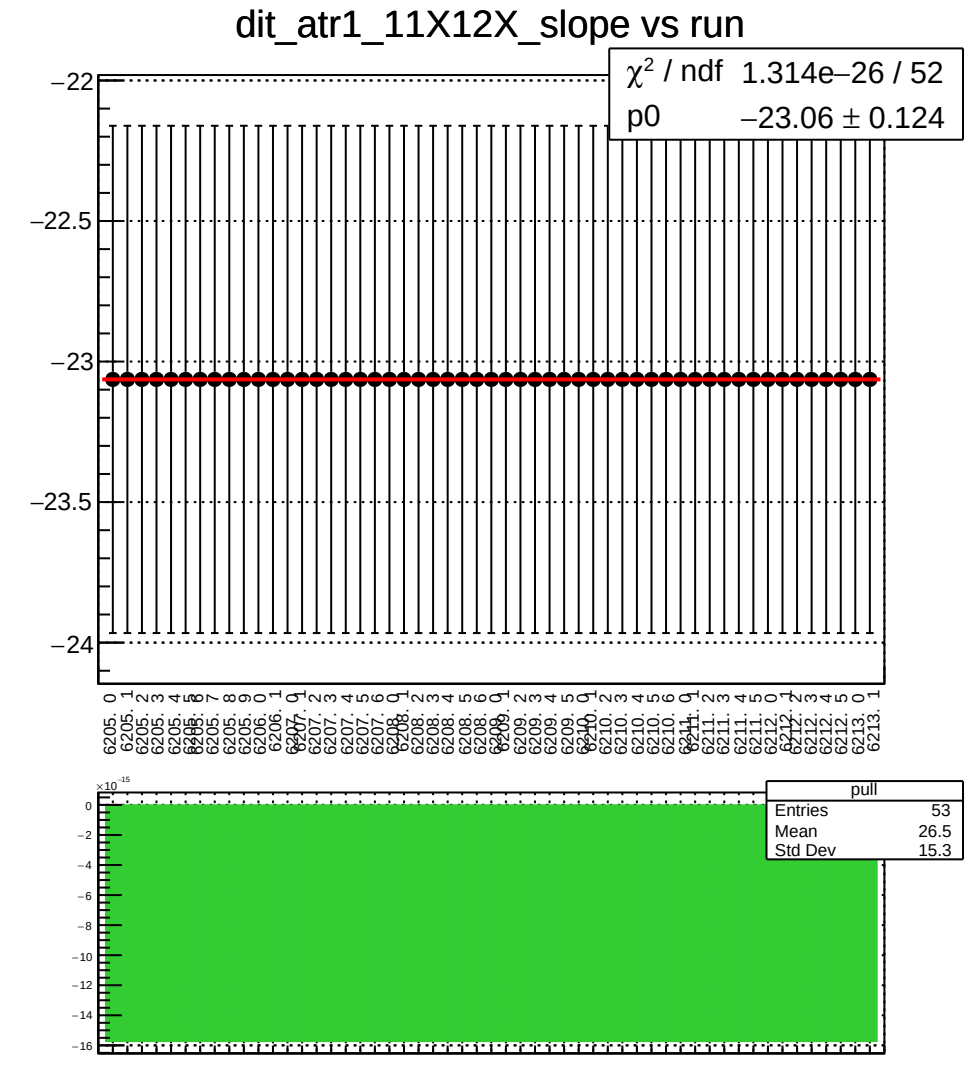

pull1D
Entries 53
Mean 2.133e−14
Std Dev 5.187e−22

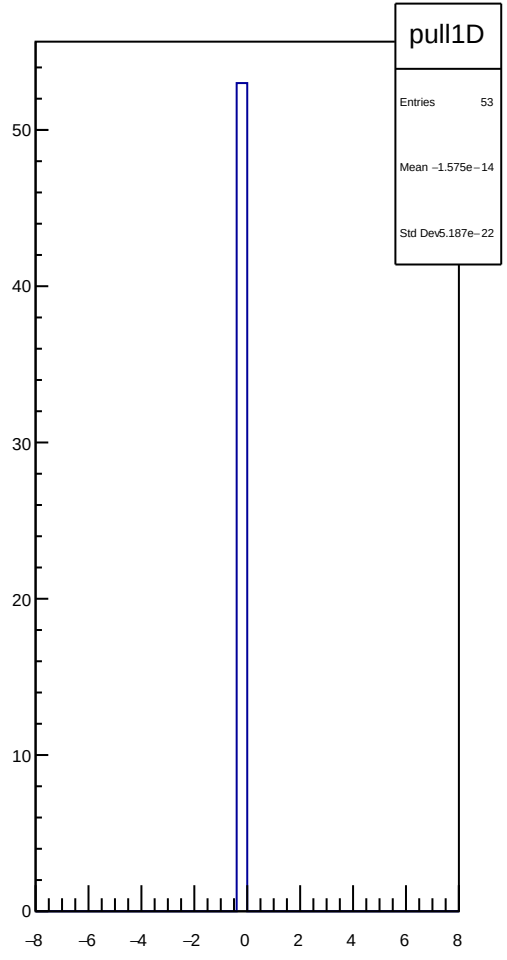

dit_atr1_4aX_slope vs run
χ² / ndf 2.423e−27 / 52
p0 −60.33 ± 0.5774
−56
−58
−60
−62
−64
pull
Entries 53
Mean 26.5
Std Dev 15.3
×10⁻¹⁵
7
6
5
4
3
2
1
0

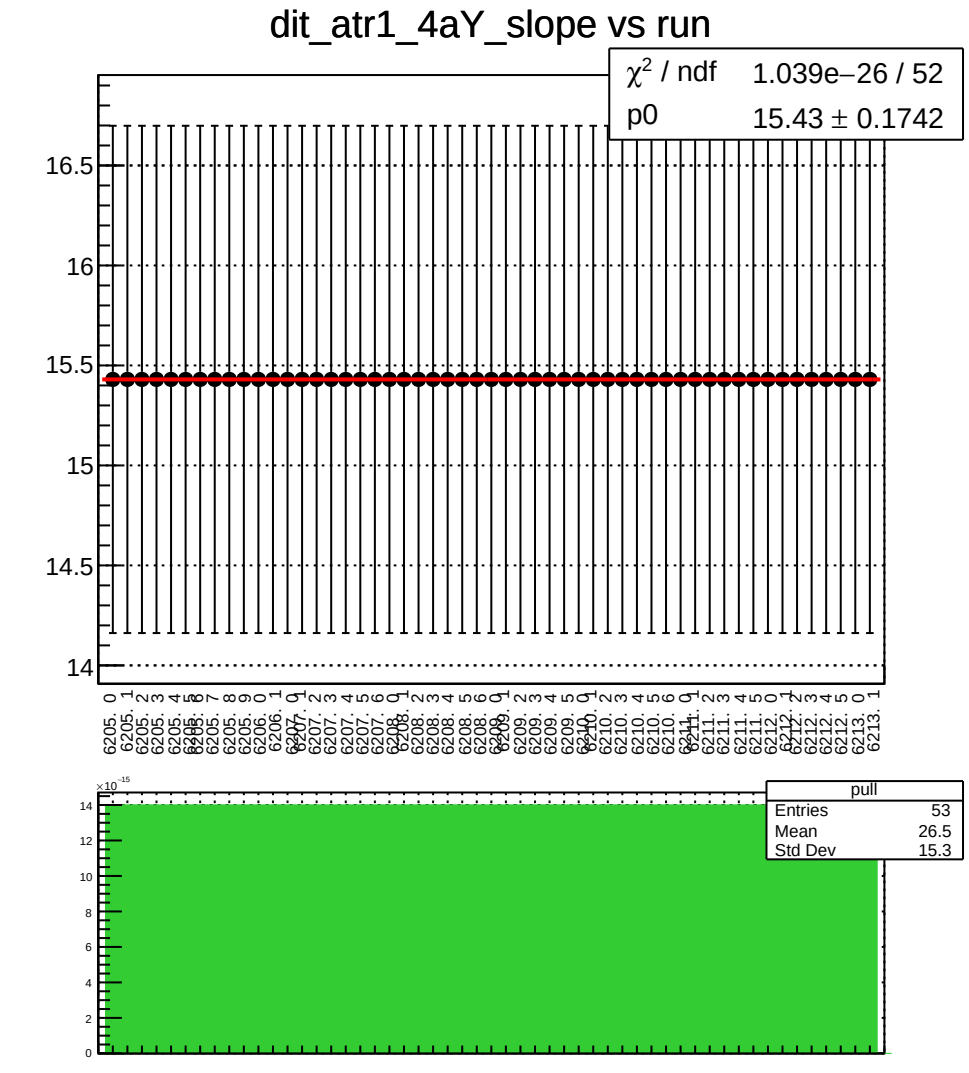

pull1D
Entries 53
Mean 6.761e−15
Std Dev 2.9e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

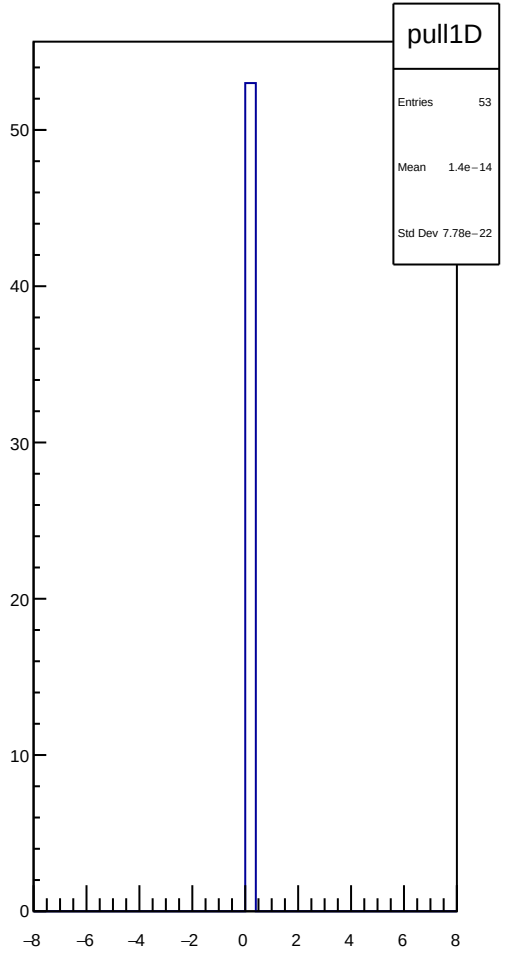

dit_atr1_4eX_slope vs run
$\chi^2$ / ndf 0 / 52
p0 14.93 ± 0.5928
pull
Entries 53
Mean 0
Std Dev 0

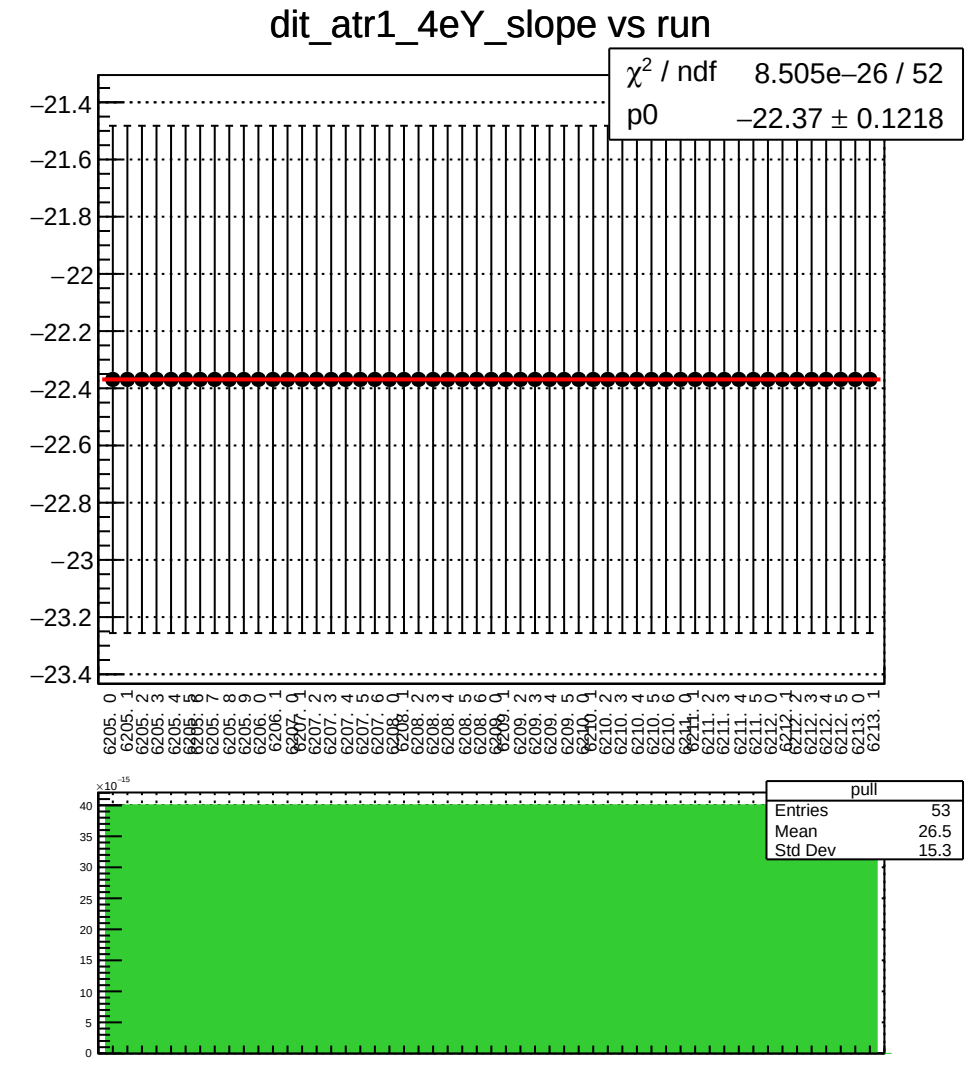

pull1D
Entries 53
Mean 0
Std Dev 0

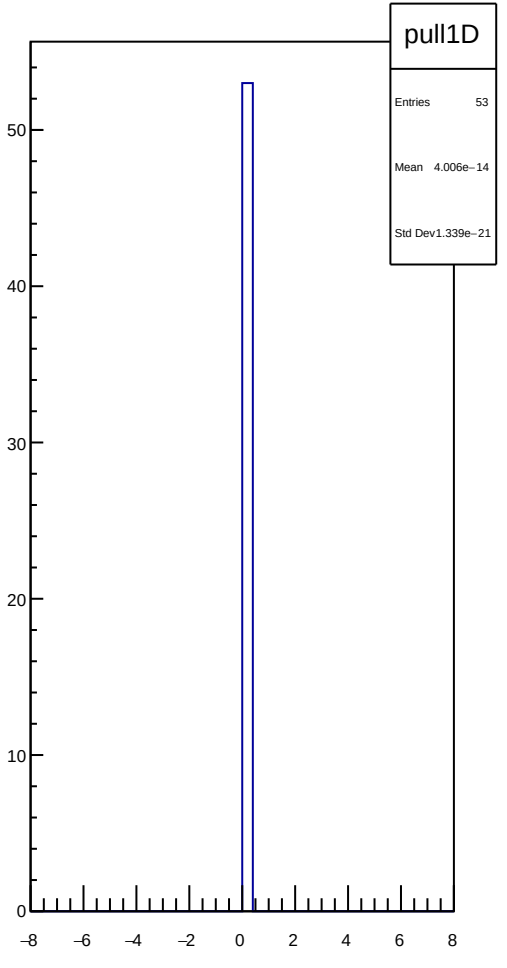

dit_atr1_11X12X_slope vs run
χ² / ndf 1.314e−26 / 52
p0 −23.06 ± 0.124
−22
−22.5
−23
−23.5
−24
pull
Entries 53
Mean 26.5
Std Dev 15.3
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16

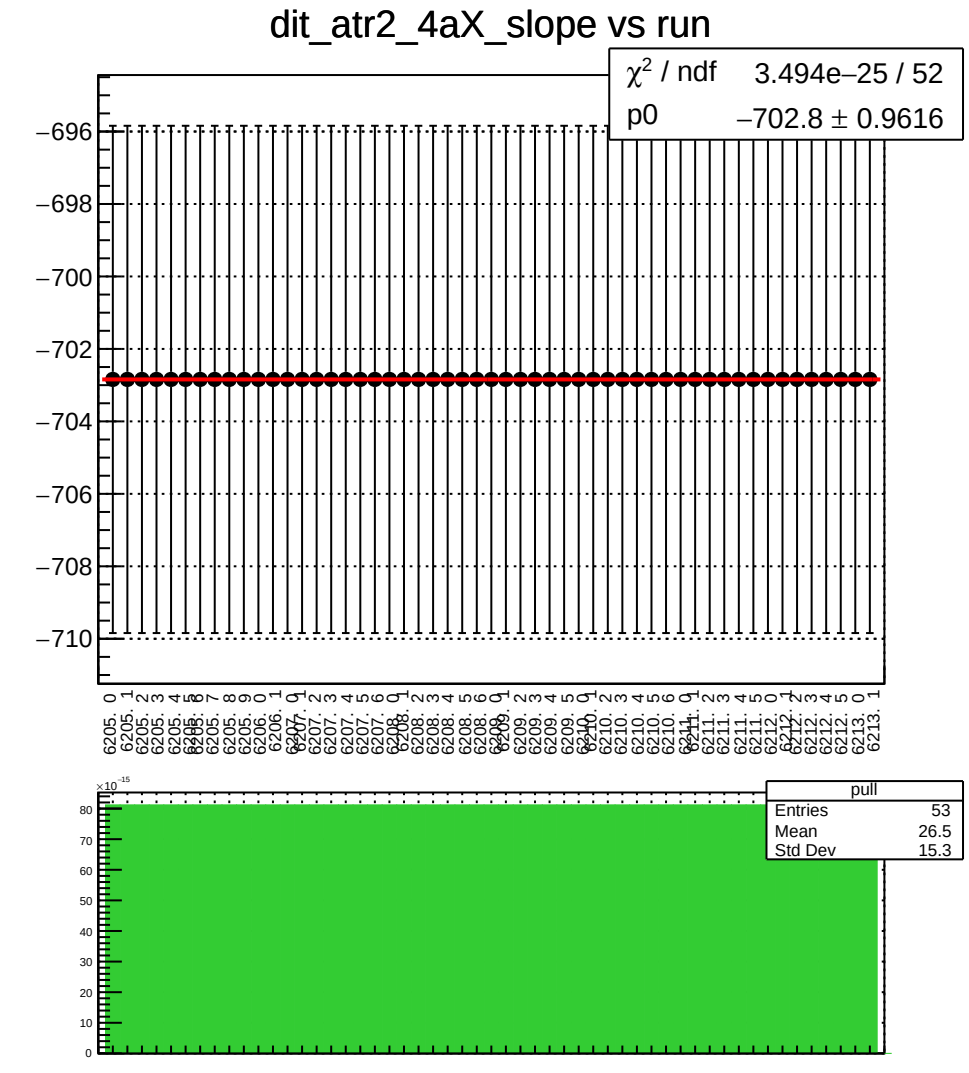

pull1D
Entries 53
Mean −1.575e−14
Std Dev 5.187e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

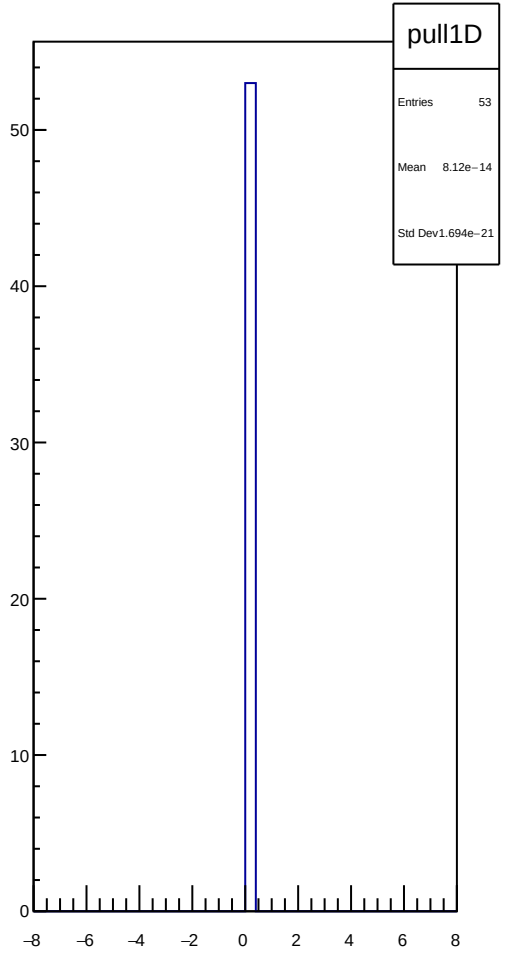

dit_atr1_4aY_slope vs run
χ² / ndf 1.039e−26 / 52
p0 15.43 ± 0.1742
16.5
16
15.5
15
14.5
14
pull
Entries 53
Mean 26.5
Std Dev 15.3
×10⁻¹⁵
14
12
10
8
6
4
2
0

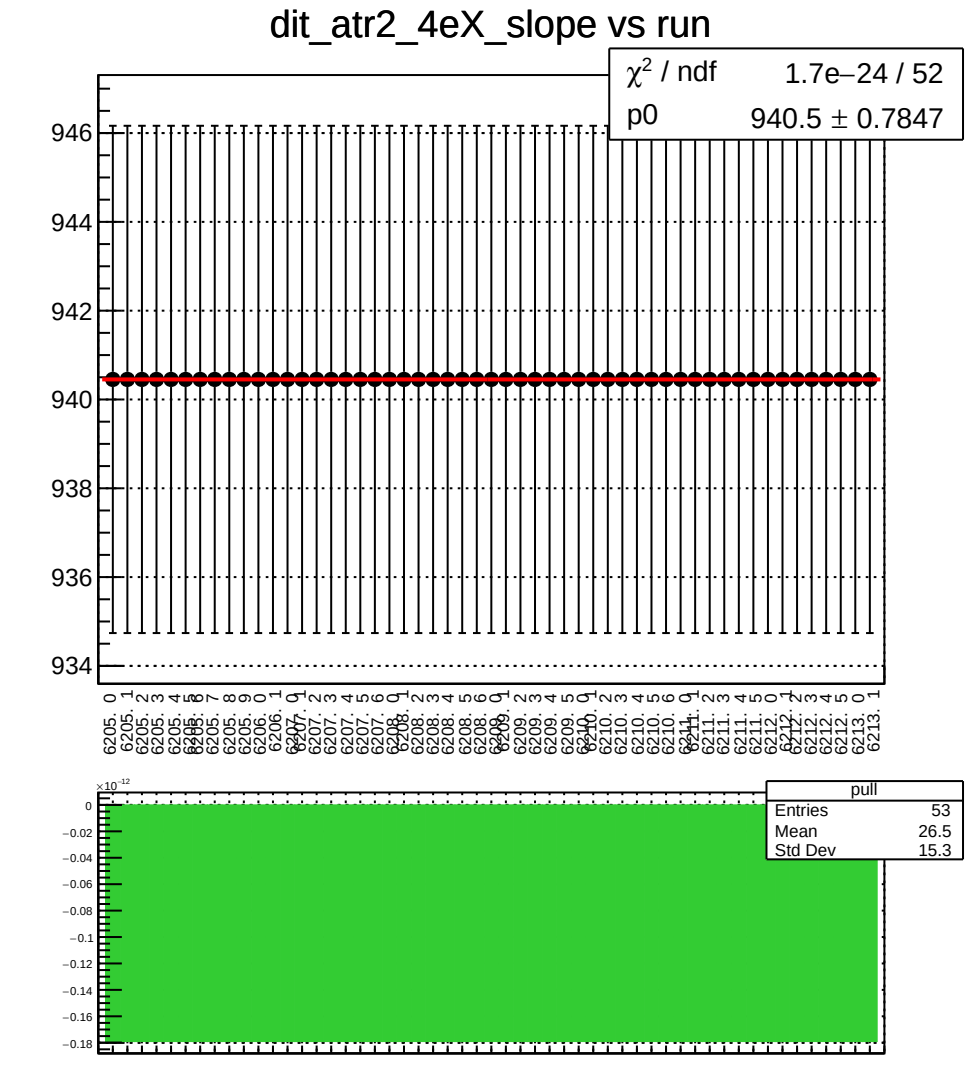

pull1D
Entries 53
Mean 1.4e−14
Std Dev 7.78e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

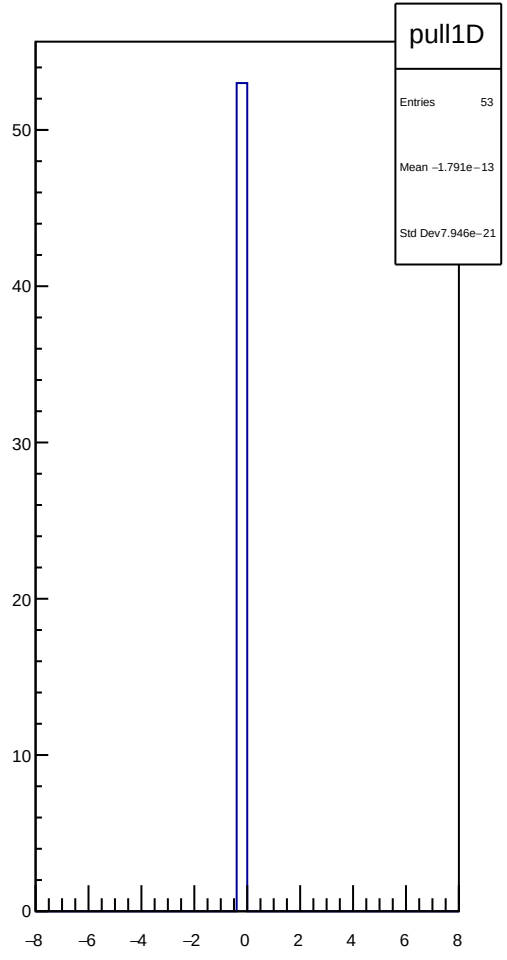

dit_atr1_4eY_slope vs run
χ² / ndf 8.505e−26 / 52
p0 −22.37 ± 0.1218
−21.4
−21.6
−21.8
−22
−22.2
−22.4
−22.6
−22.8
−23
−23.2
−23.4
pull
Entries 53
Mean 26.5
Std Dev 15.3
×10⁻¹⁵
40
35
30
25
20
15
10
5
0

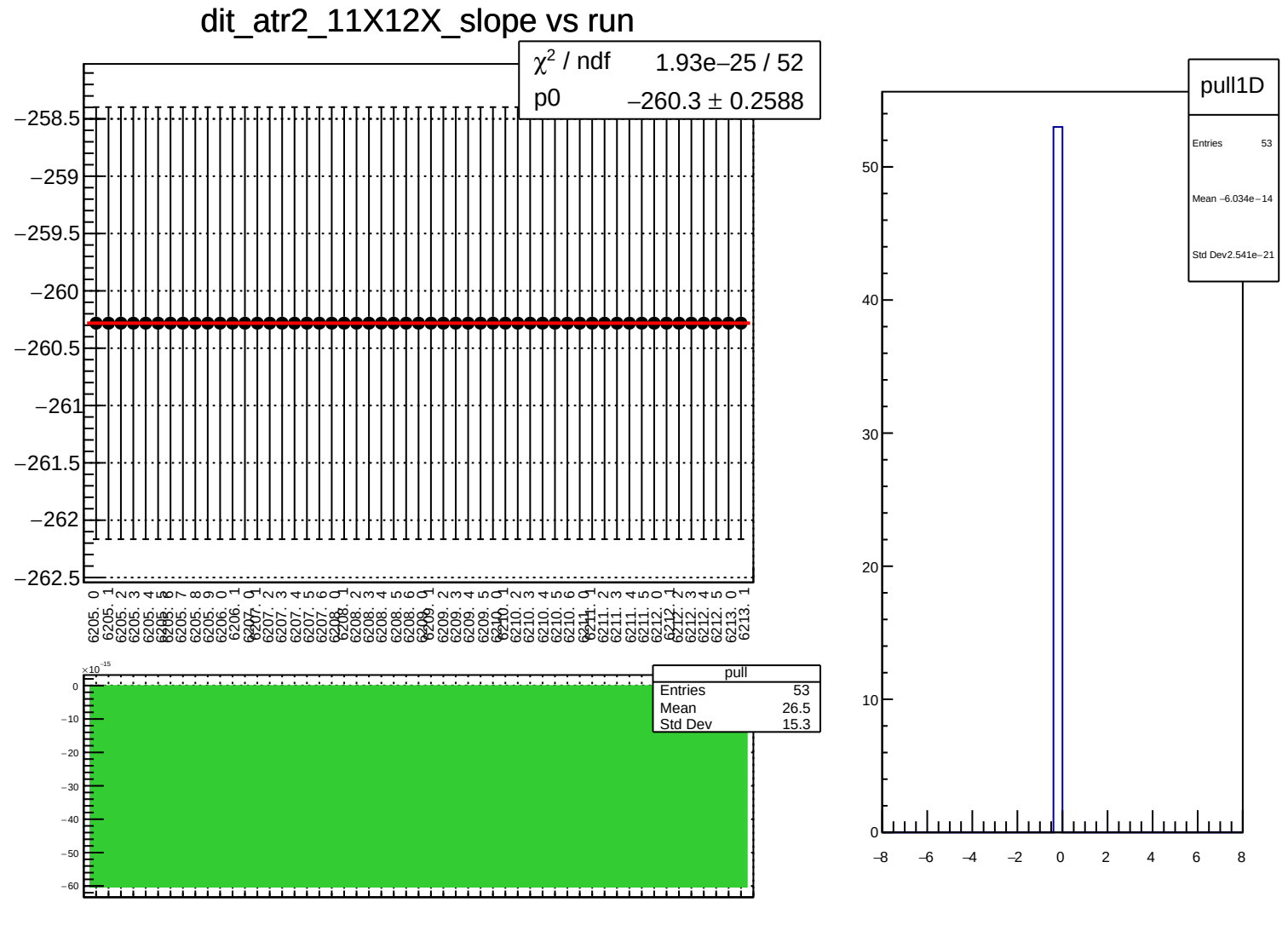

pull1D
Entries 53
Mean 4.006e−14
Std Dev1.339e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

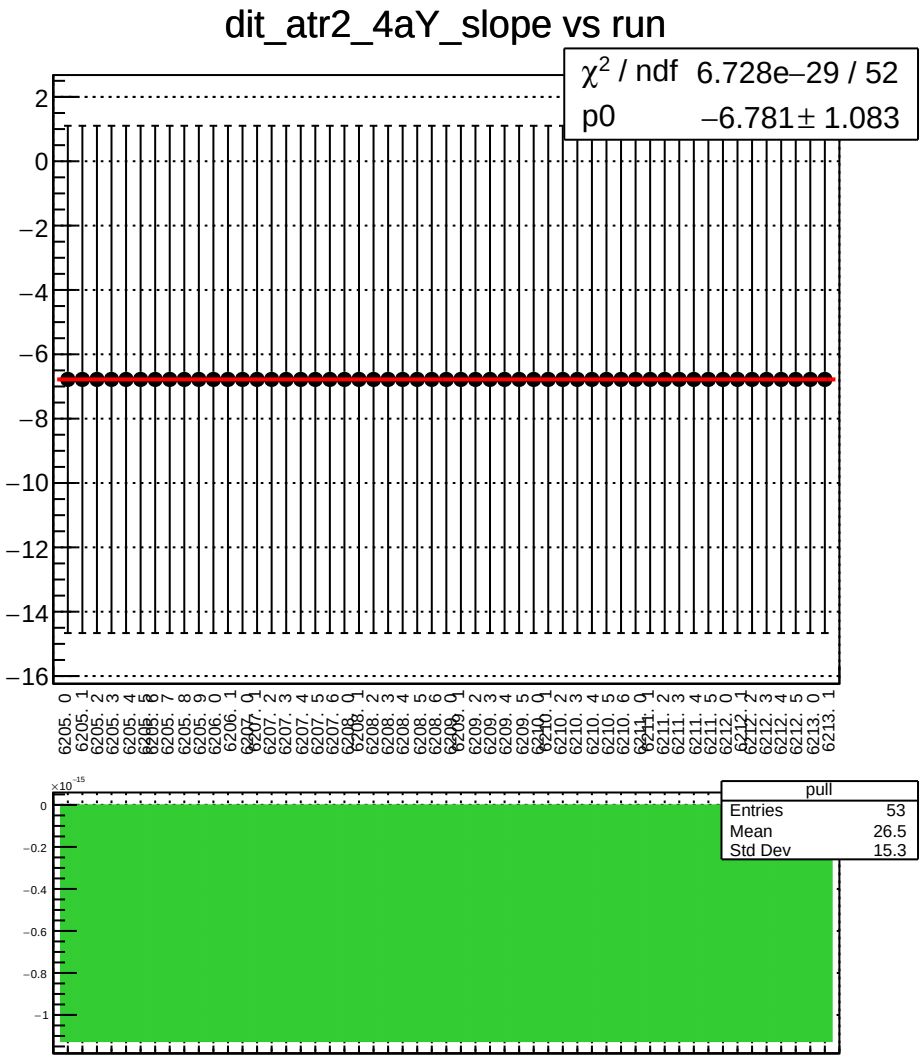

dit_atr2_4aX_slope vs run
χ² / ndf 3.494e−25 / 52
p0 −702.8 ± 0.9616
−696
−698
−700
−702
−704
−706
−708
−710
pull
Entries 53
Mean 26.5
Std Dev 15.3
×10⁻¹⁵
80
70
60
50
40
30
20
10
0

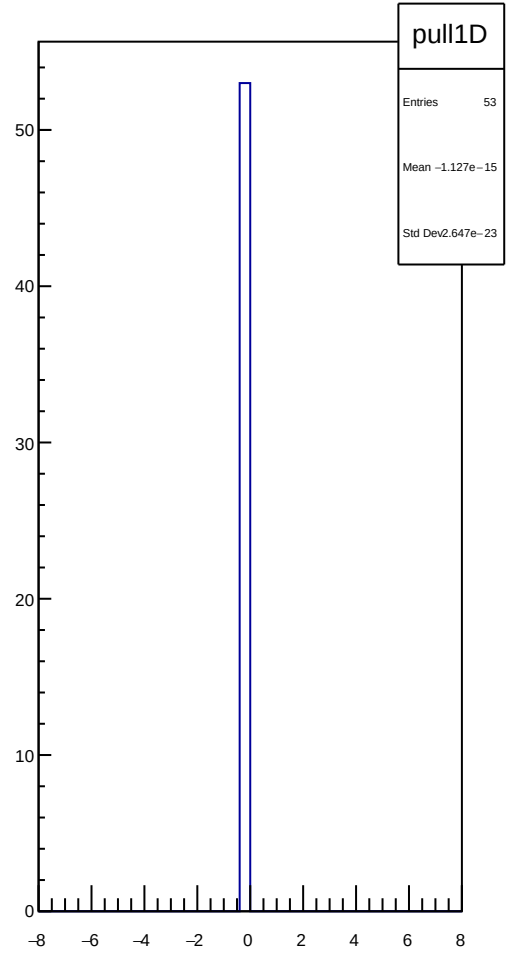

pull1D
Entries 53
Mean 8.12e−14
Std Dev 1.694e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

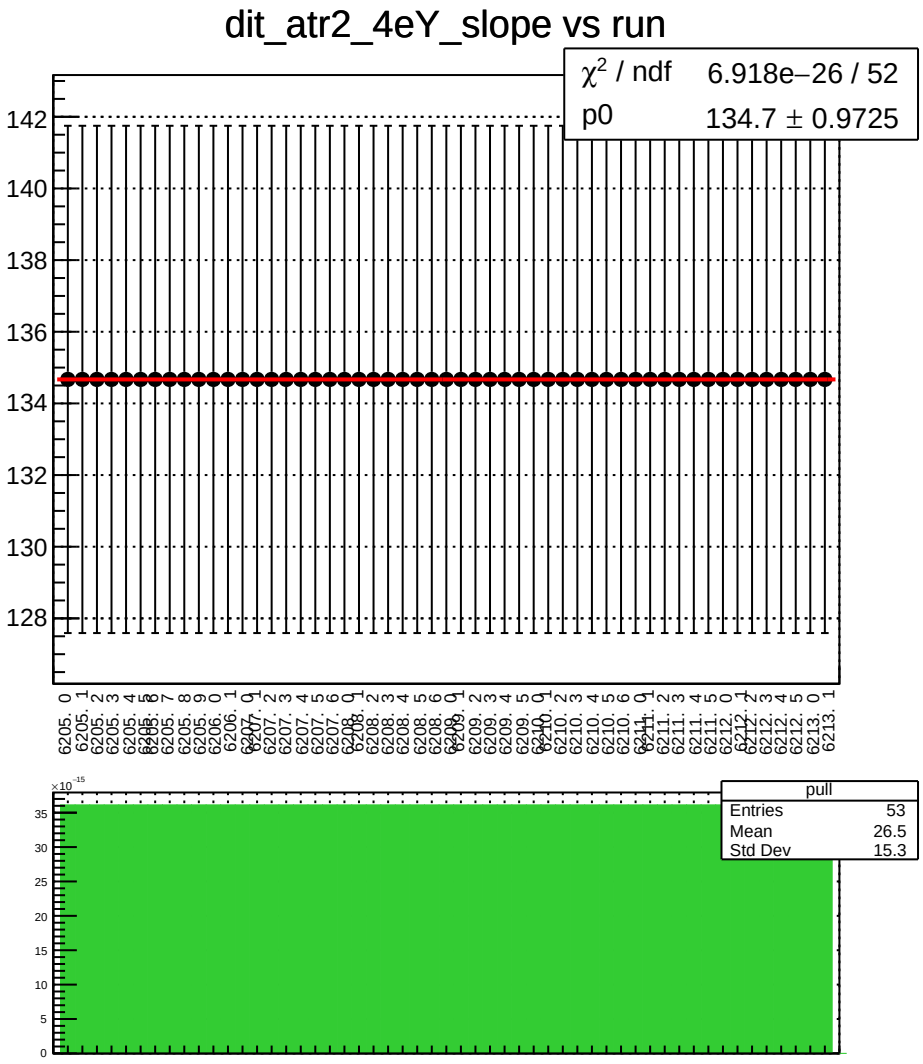

dit_atr2_4eX_slope vs run
χ² / ndf 1.7e−24 / 52
p0 940.5 ± 0.7847
946
944
942
940
938
936
934
pull
Entries 53
Mean 26.5
Std Dev 15.3
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
−0.18

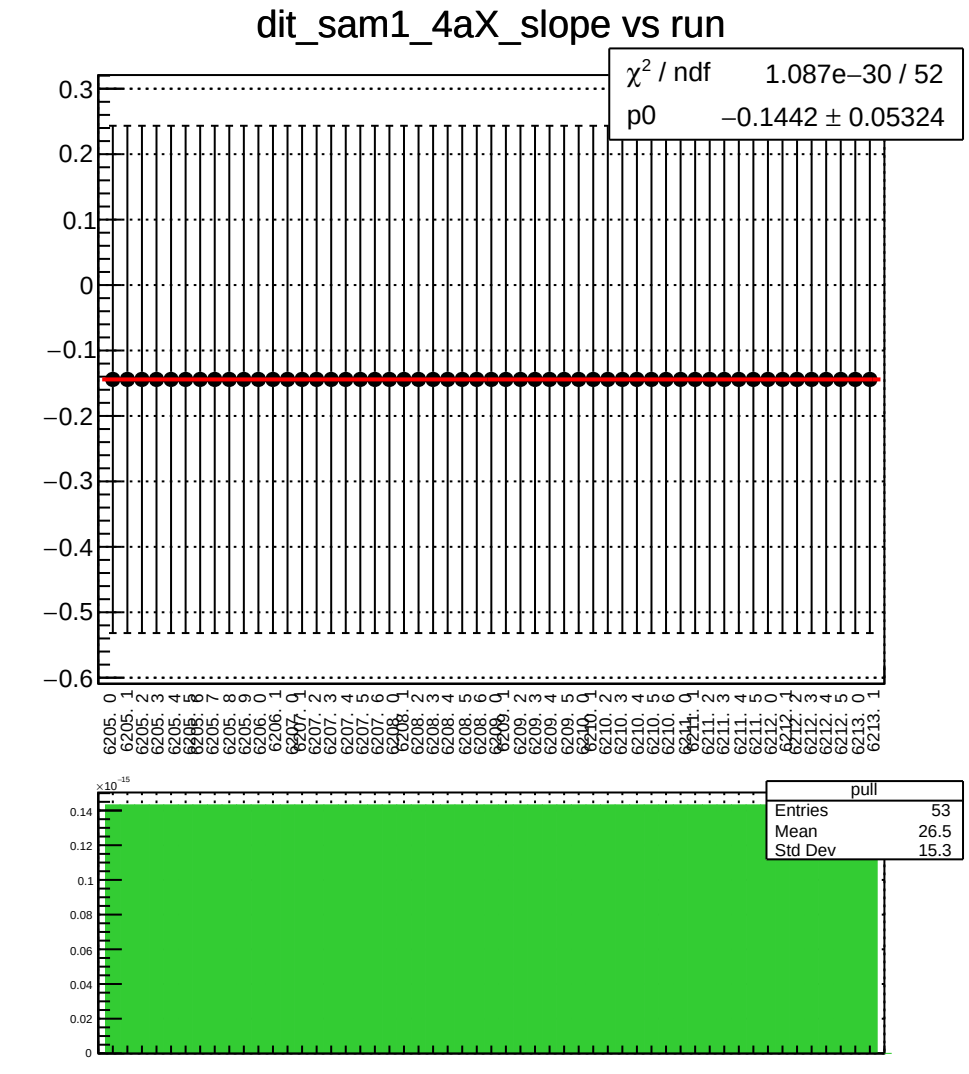

pull1D
Entries 53
Mean −1.791e−13
Std Dev 7.946e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

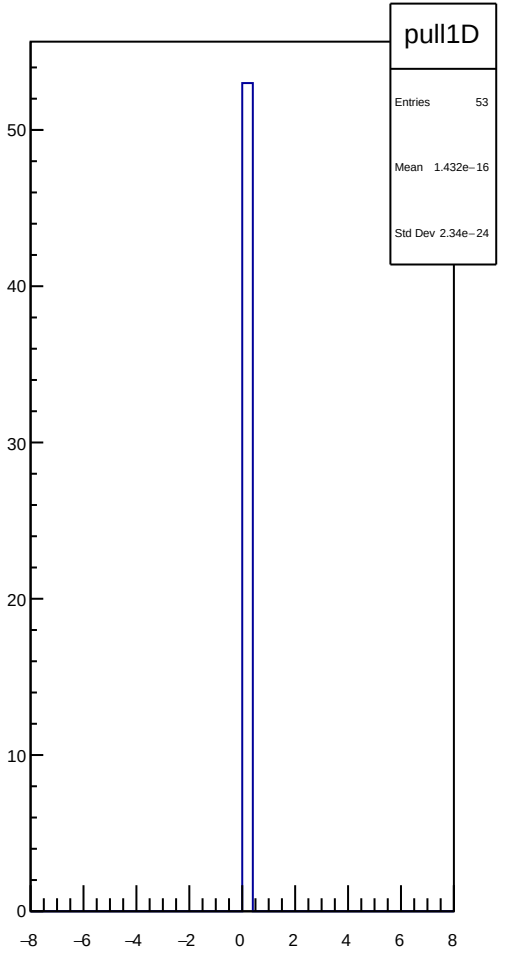

dit_atr2_11X12X_slope vs run
χ² / ndf 1.93e−25 / 52
p0 −260.3 ± 0.2588
−258.5
−259
−259.5
−260
−260.5
−261
−261.5
−262
−262.5
pull
Entries 53
Mean 26.5
Std Dev 15.3
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
pull1D
Entries 53
Mean −6.034e−14
Std Dev2.541e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

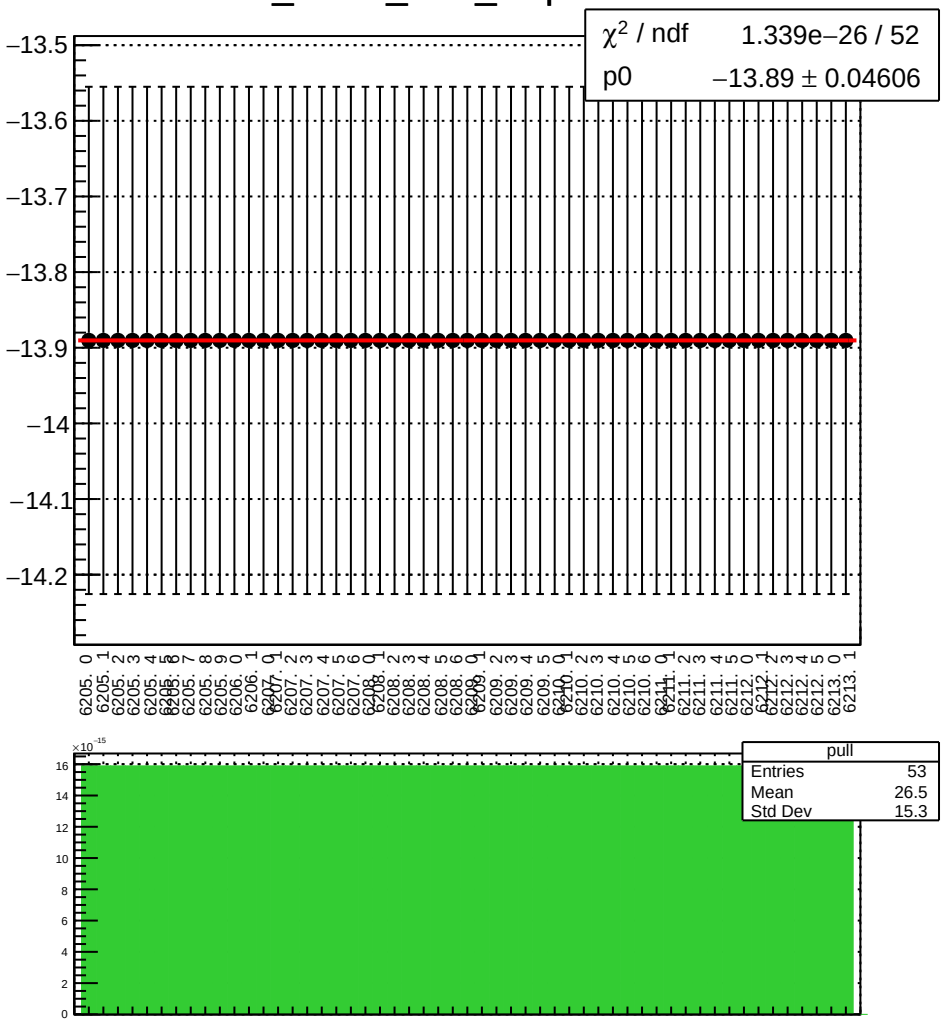

dit_atr2_4aY_slope vs run
χ² / ndf 6.728e−29 / 52
p0 −6.781 ± 1.083
pull
Entries 53
Mean 26.5
Std Dev 15.3

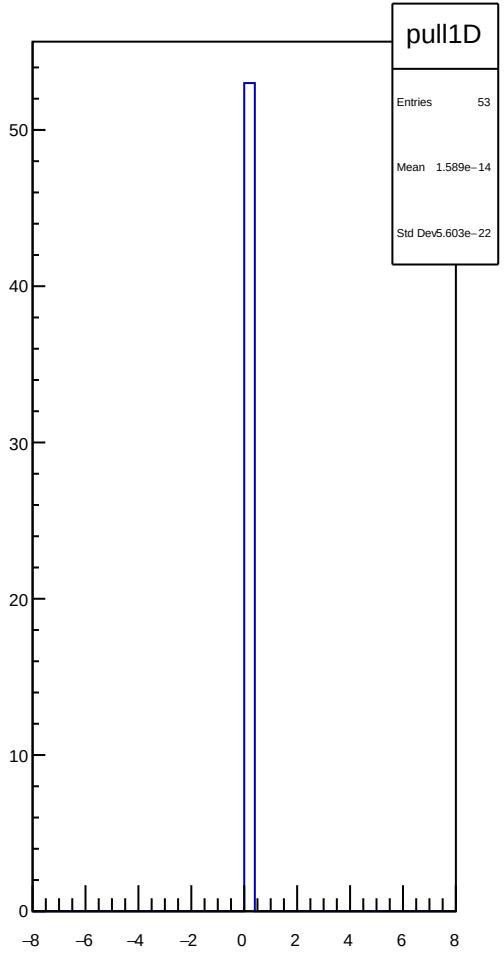

pull1D
Entries 53
Mean −1.127e−15
Std Dev 2.647e−23

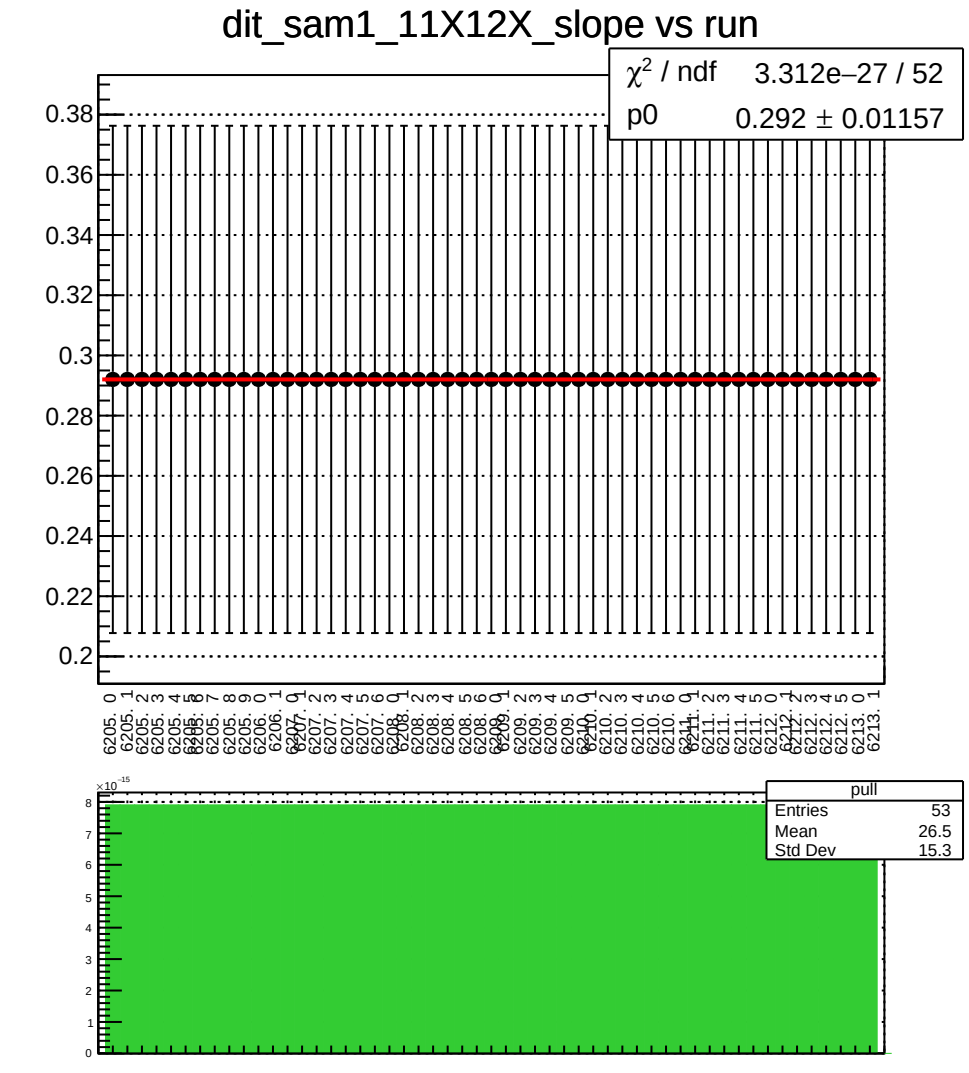

dit_atr2_4eY_slope vs run
χ² / ndf 6.918e−26 / 52
p0 134.7 ± 0.9725
142
140
138
136
134
132
130
128
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6207. 7
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 7
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6209. 6
6209. 7
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6210. 7
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6211. 6
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1
×10⁻¹⁵
35
30
25
20
15
10
5
0
pull
Entries 53
Mean 26.5
Std Dev 15.3
pull1D
Entries 53
Mean 3.613e−14
Std Dev1.585e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

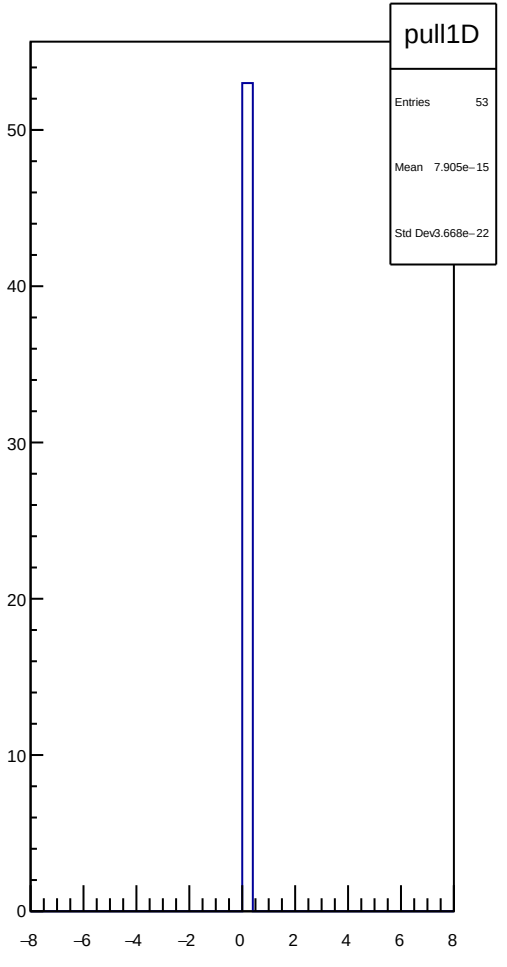

dit_sam1_4aX_slope vs run
χ² / ndf 1.087e−30 / 52
p0 −0.1442 ± 0.05324
pull
Entries 53
Mean 26.5
Std Dev 15.3

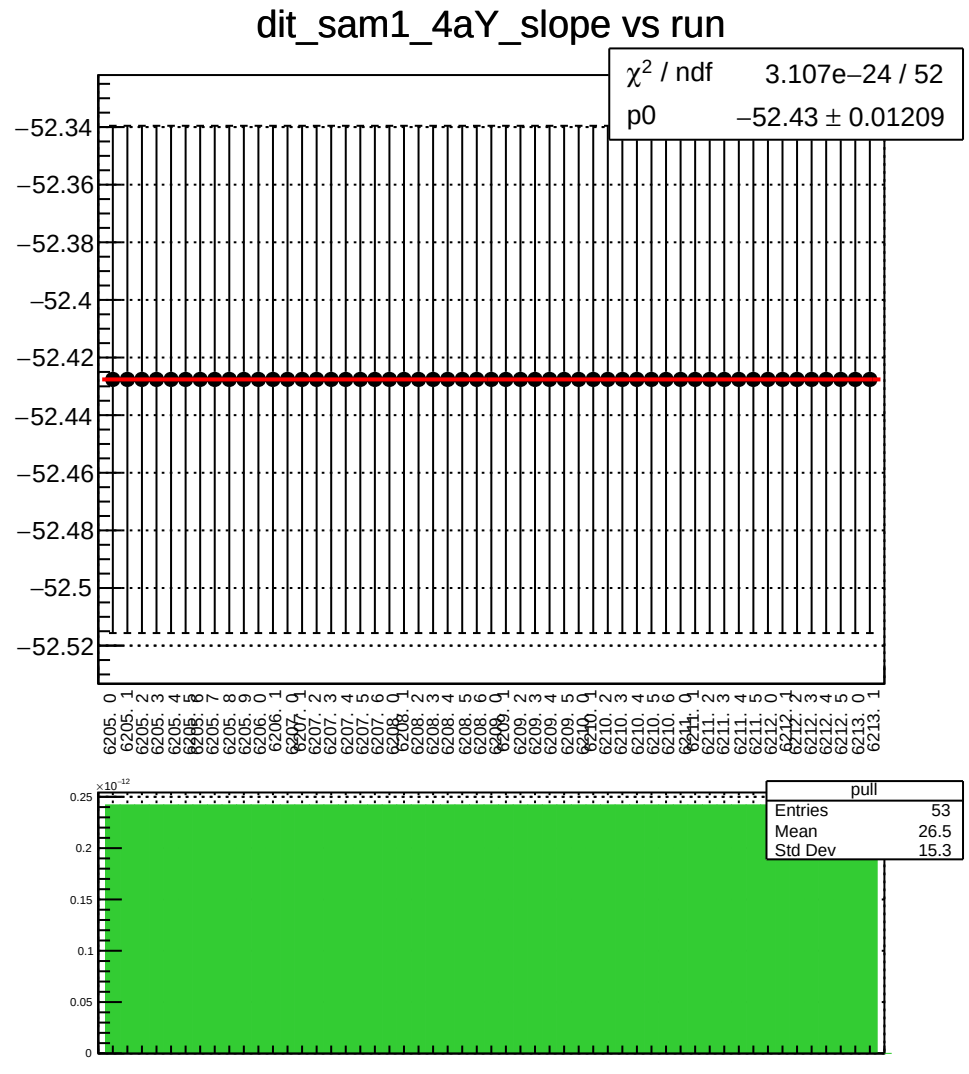

pull1D
Entries 53
Mean 1.432e−16
Std Dev 2.34e−24

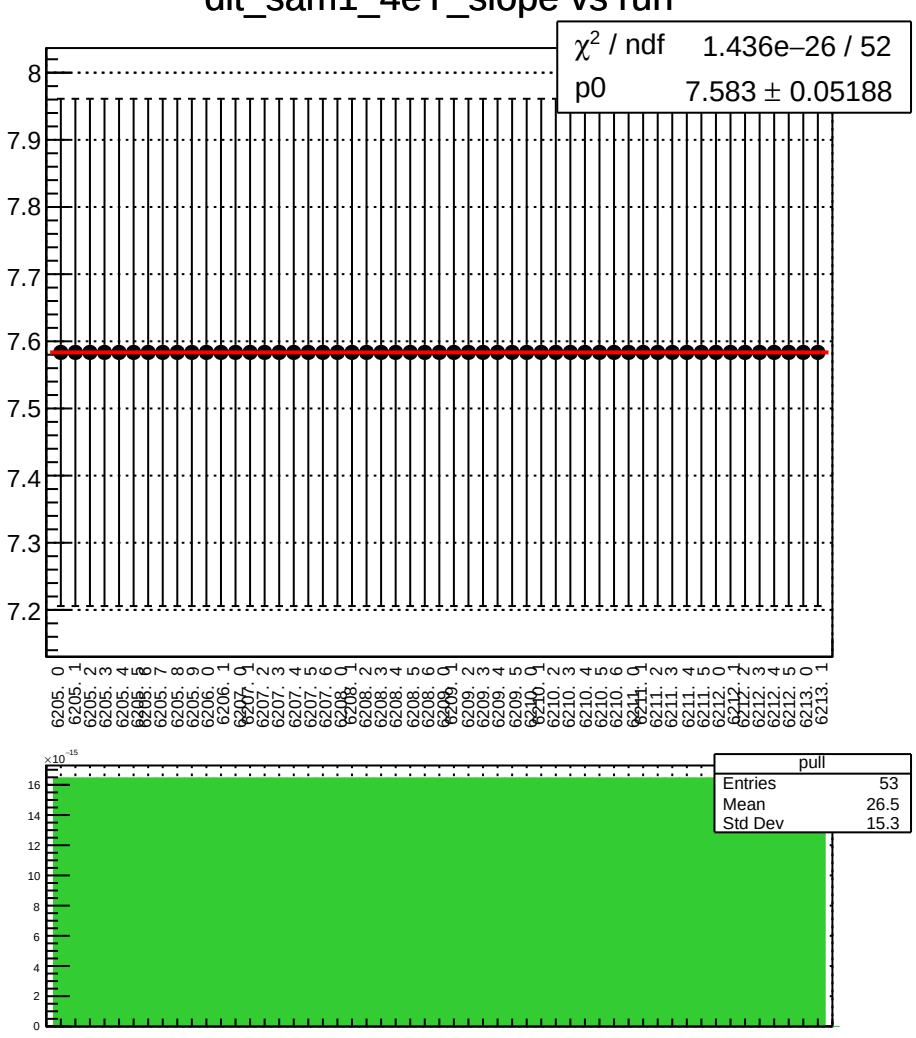

dit_sam1_4eX_slope vs run
χ² / ndf 1.339e−26 / 52
p0 −13.89 ± 0.04606
−13.5
−13.6
−13.7
−13.8
−13.9
−14
−14.1
−14.2
pull
Entries 53
Mean 26.5
Std Dev 15.3
×10⁻¹⁵
16
14
12
10
8
6
4
2
0

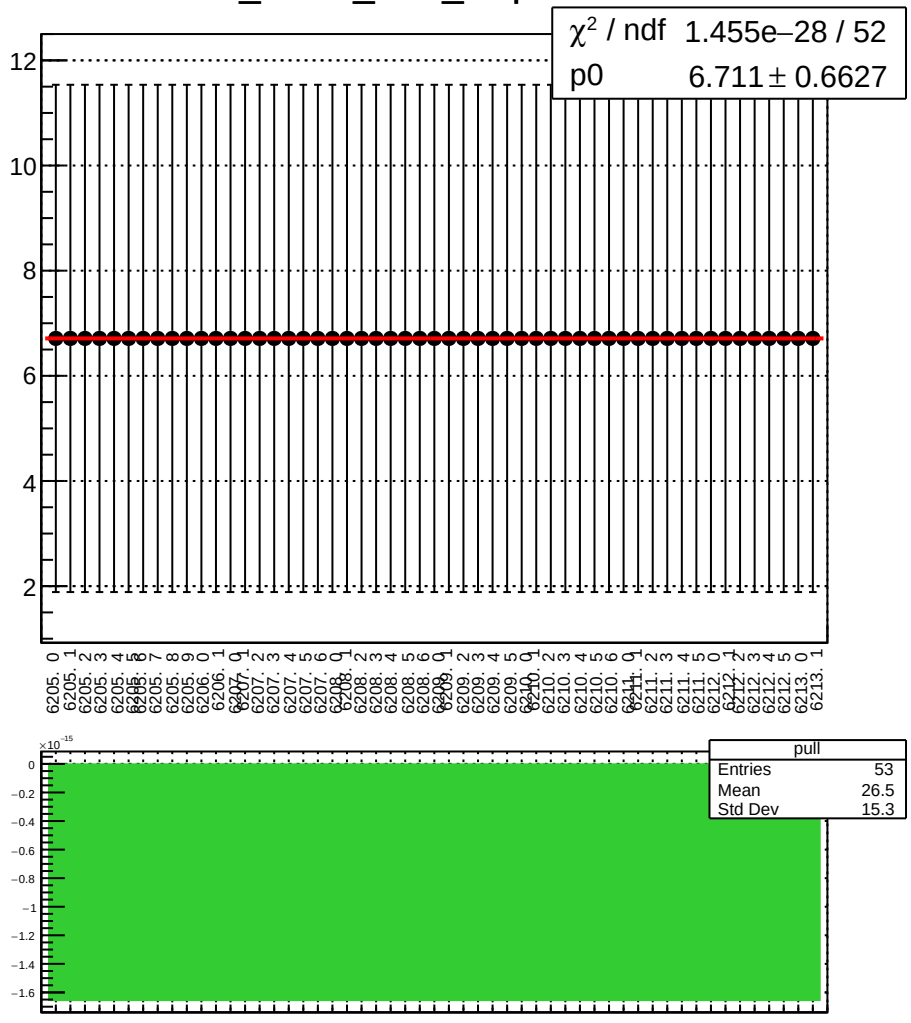

pull1D
Entries 53
Mean 1.589e−14
Std Dev 5.603e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

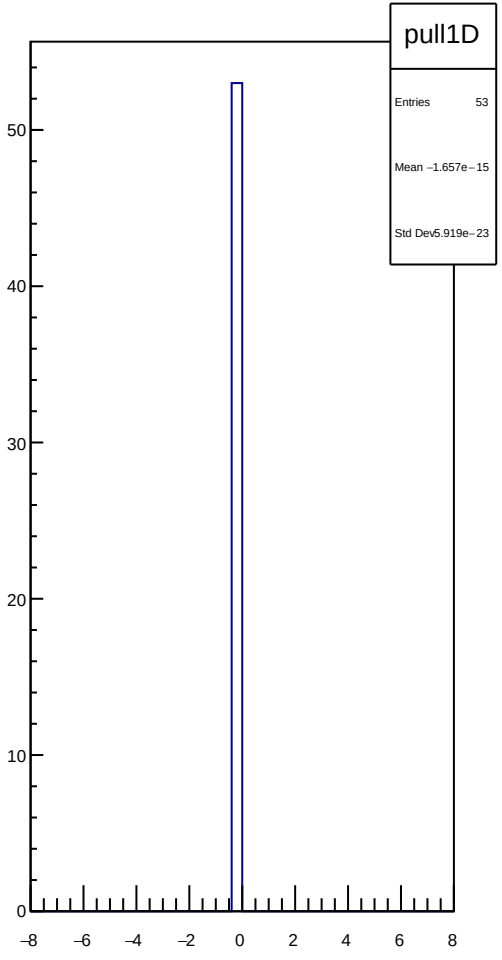

dit_sam1_11X12X_slope vs run
χ² / ndf 3.312e−27 / 52
p0 0.292 ± 0.01157
0.38
0.36
0.34
0.32
0.3
0.28
0.26
0.24
0.22
0.2
pull
Entries 53
Mean 26.5
Std Dev 15.3
×10⁻¹⁵
8
7
6
5
4
3
2
1
0

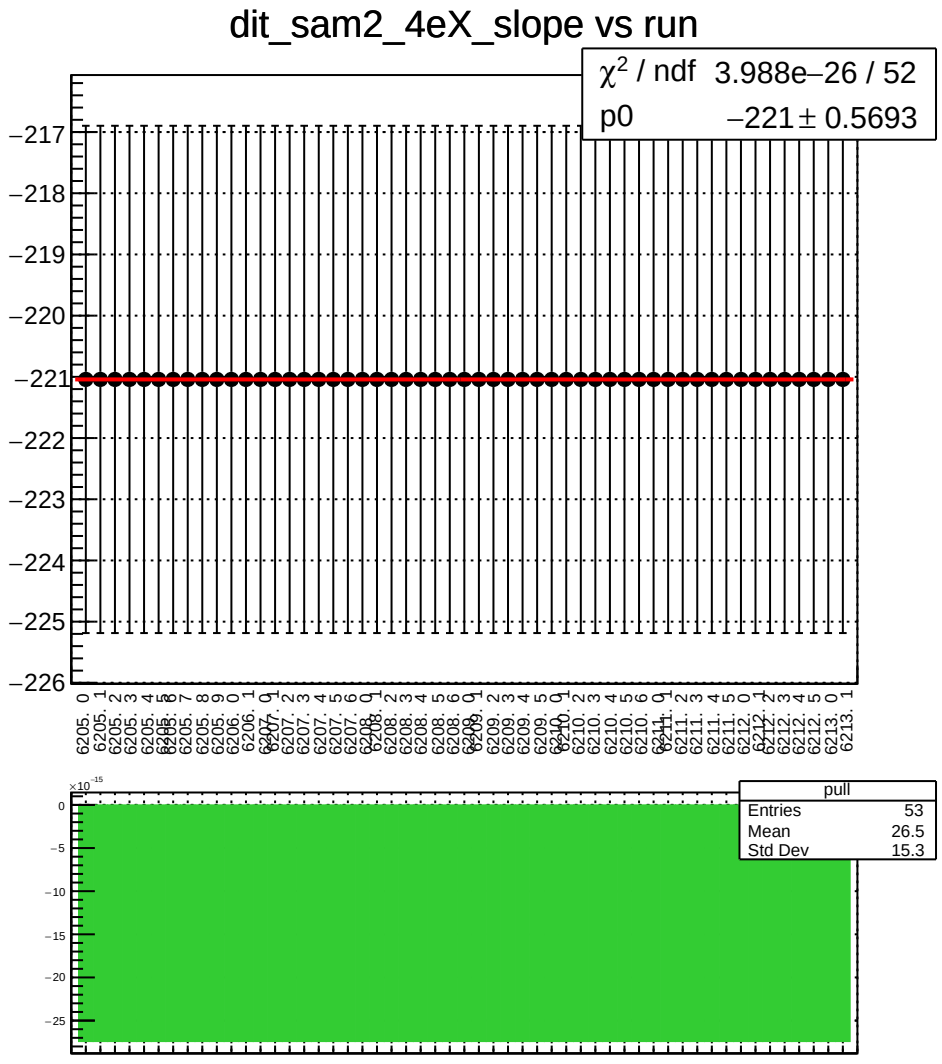

pull1D
Entries 53
Mean 7.905e−15
Std Dev3.668e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

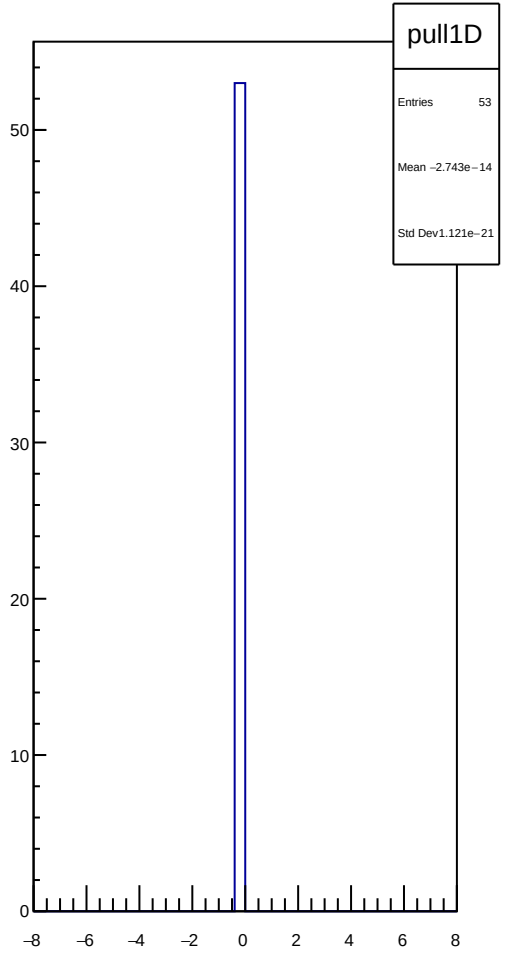

dit_sam1_4aY_slope vs run
χ² / ndf 3.107e−24 / 52
p0 −52.43 ± 0.01209
−52.34
−52.36
−52.38
−52.4
−52.42
−52.44
−52.46
−52.48
−52.5
−52.52
pull
Entries 53
Mean 26.5
Std Dev 15.3
×10⁻¹²
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 53
Mean 2.421e−13
Std Dev 1.124e−20
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

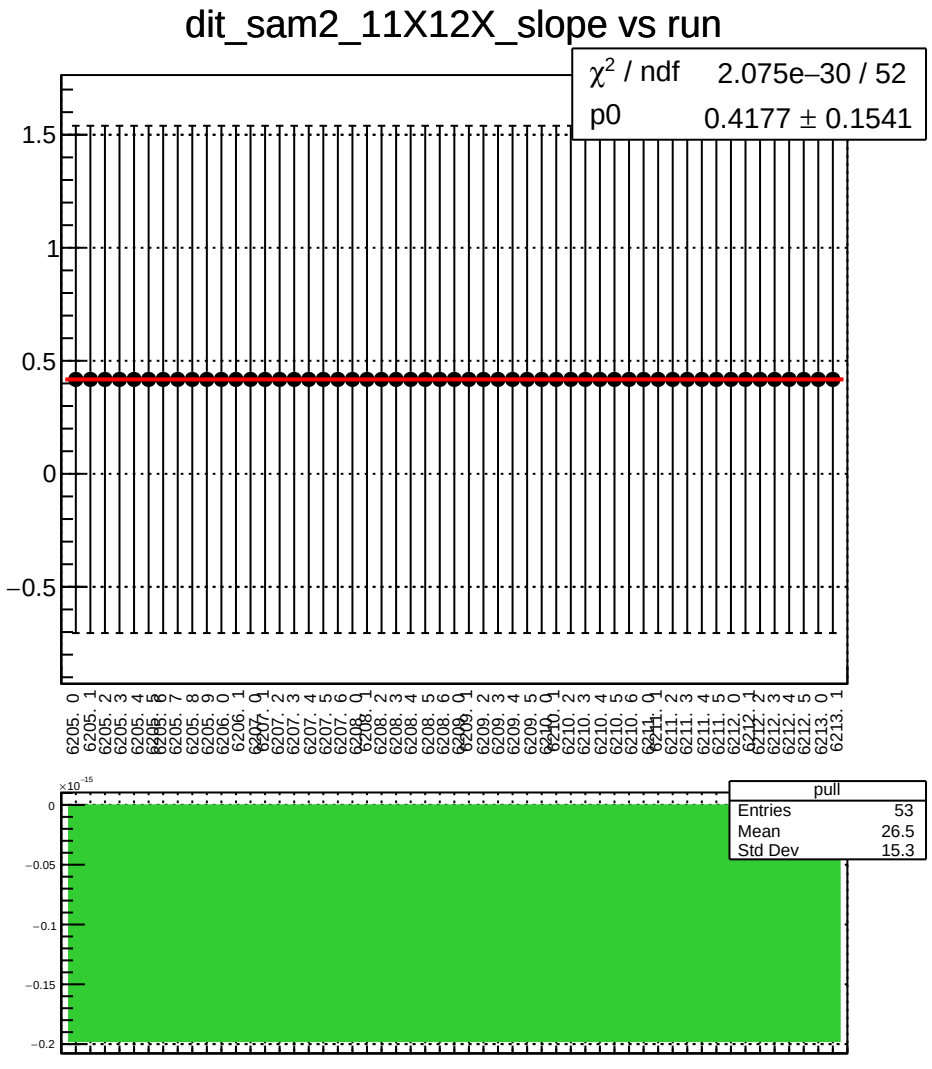

dit_sam1_4eY_slope vs run
χ² / ndf 1.436e−26 / 52
p0 7.583 ± 0.05188
pull
Entries 53
Mean 26.5
Std Dev 15.3
pull1D
Entries 53
Mean 1.646e−14
Std Dev 5.603e−22

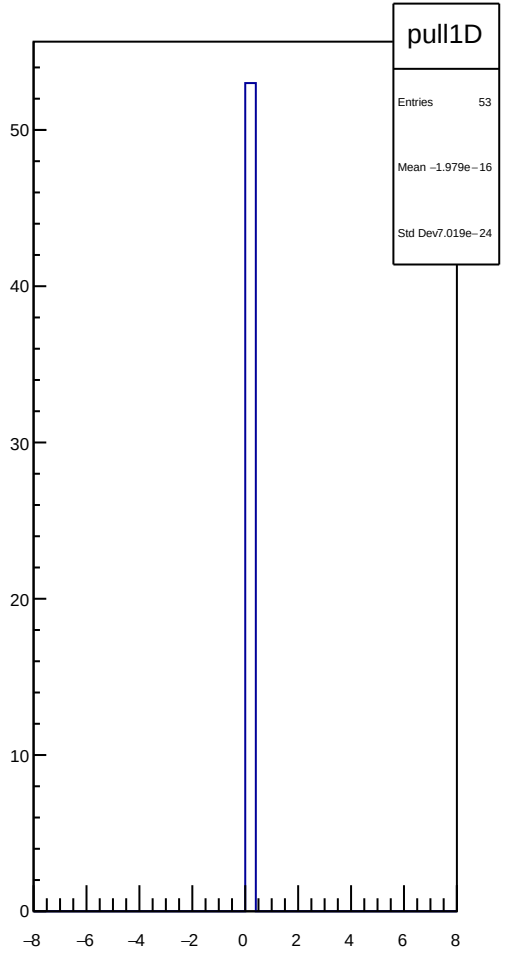

dit_sam2_4aX_slope vs run
$\chi^2$ / ndf 1.455e−28 / 52
p0 6.711 ± 0.6627
pull
Entries 53
Mean 26.5
Std Dev 15.3

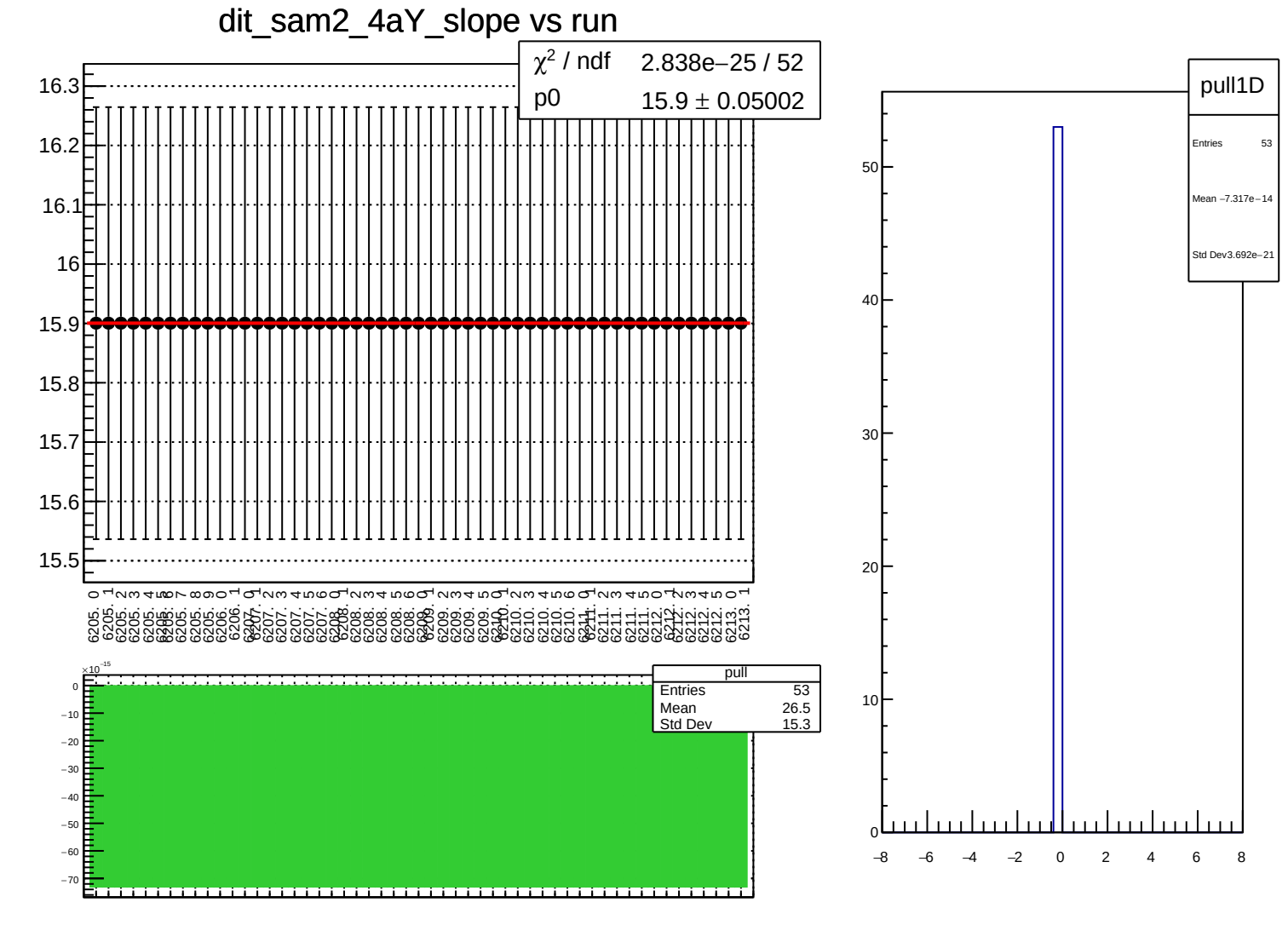

pull1D
Entries 53
Mean −1.657e−15
Std Dev 5.919e−23

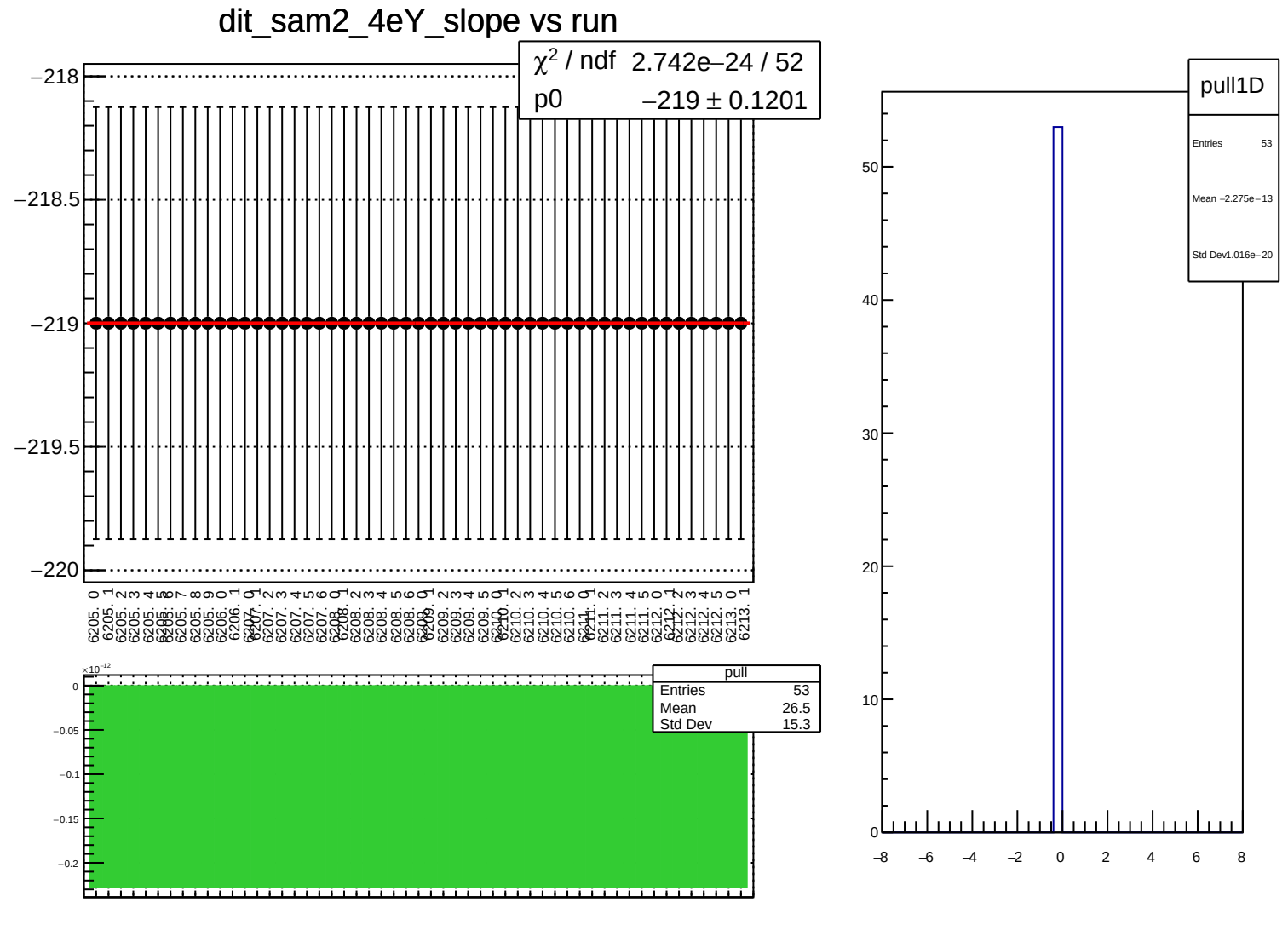

dit_sam2_4eX_slope vs run
χ² / ndf 3.988e−26 / 52
p0 −221 ± 0.5693
−217
−218
−219
−220
−221
−222
−223
−224
−225
−226
pull
Entries 53
Mean 26.5
Std Dev 15.3
×10⁻¹⁵
0
−5
−10
−15
−20
−25

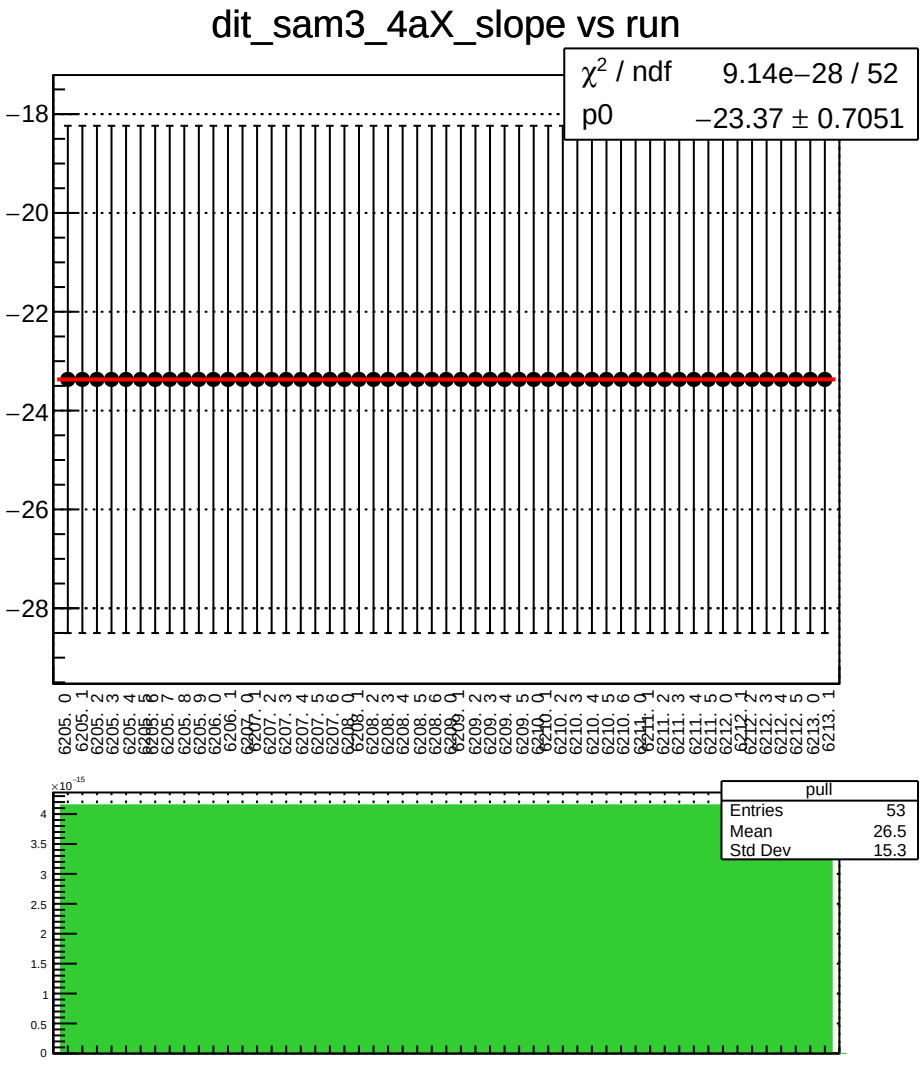

pull1D
Entries 53
Mean −2.743e−14
Std Dev1.121e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

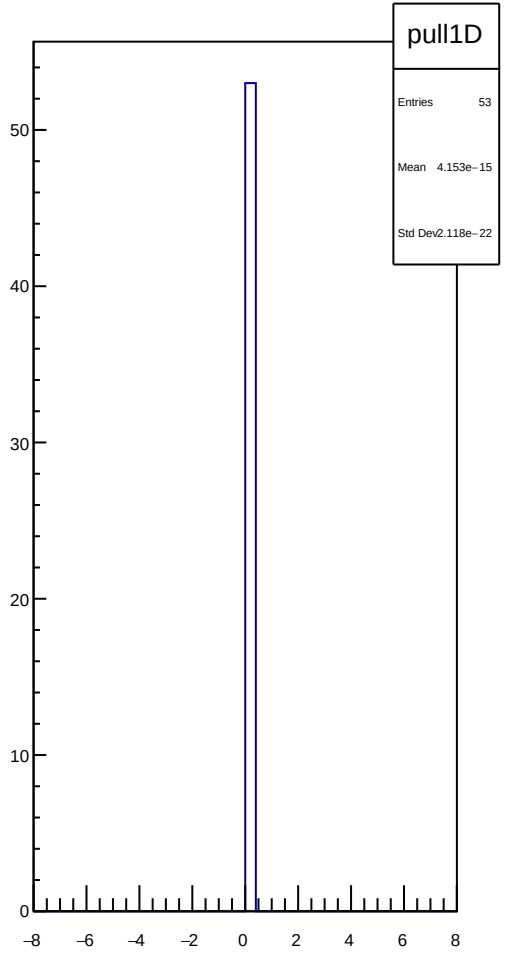

dit_sam2_11X12X_slope vs run
χ² / ndf 2.075e−30 / 52
p0 0.4177 ± 0.1541
pull
Entries 53
Mean 26.5
Std Dev 15.3

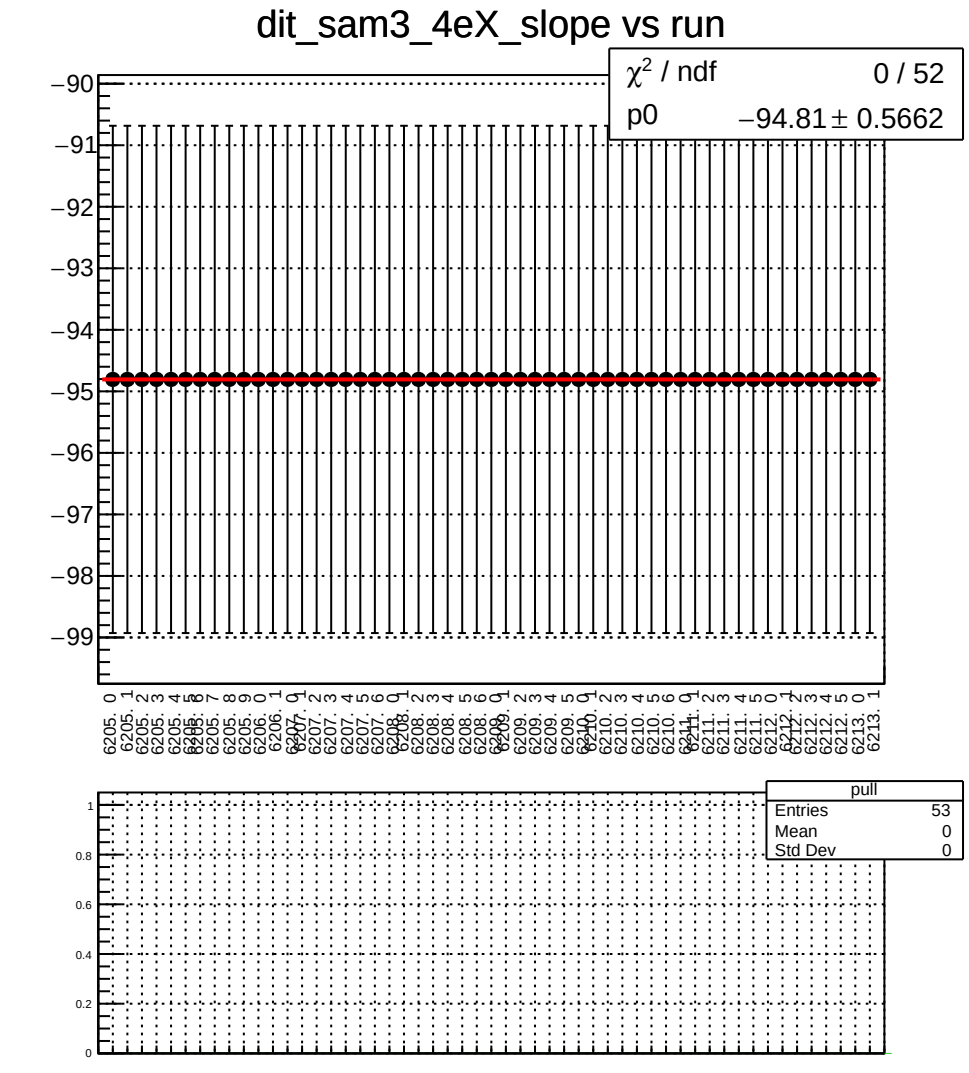

pull1D
Entries 53
Mean −1.979e−16
Std Dev7.019e−24

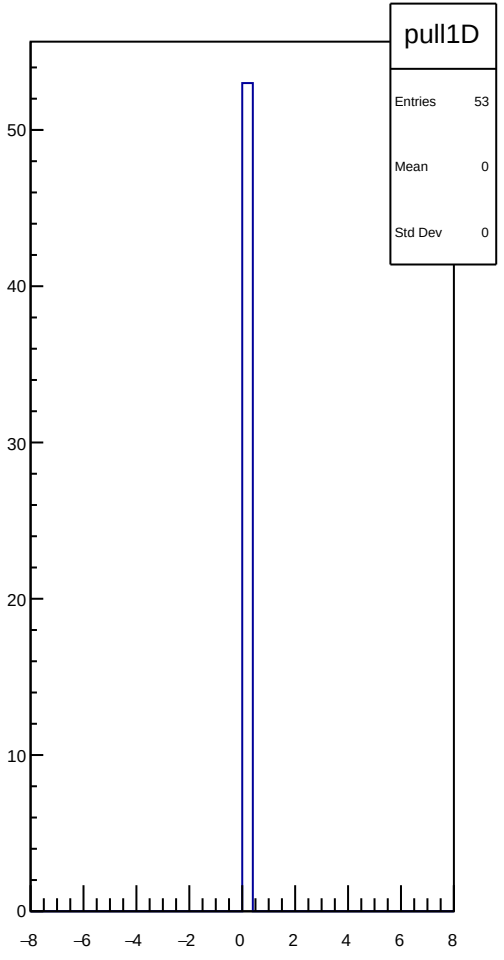

dit_sam2_4aY_slope vs run
χ² / ndf 2.838e−25 / 52
p0 15.9 ± 0.05002
16.3
16.2
16.1
16
15.9
15.8
15.7
15.6
15.5
pull
Entries 53
Mean 26.5
Std Dev 15.3
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
pull1D
Entries 53
Mean −7.317e−14
Std Dev3.692e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

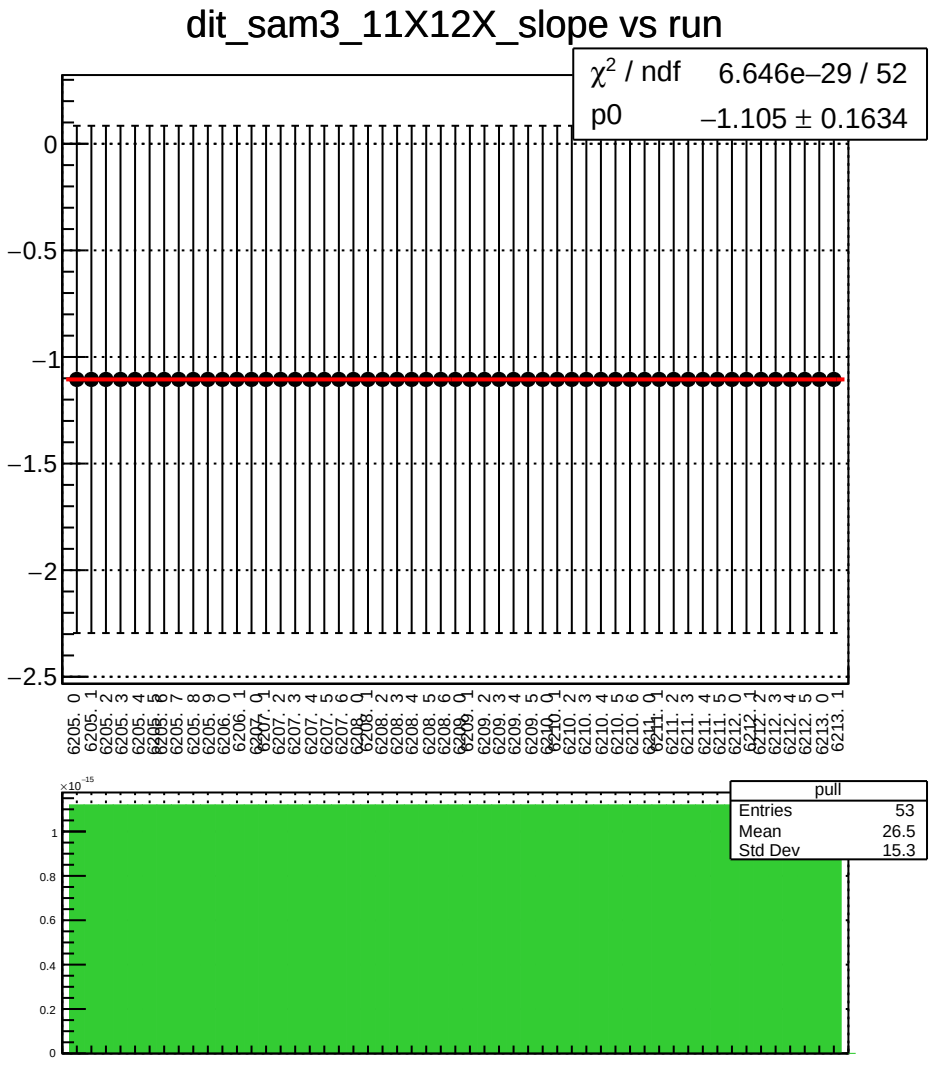

dit_sam2_4eY_slope vs run
χ² / ndf 2.742e−24 / 52
p0 −219 ± 0.1201
−218
−218.5
−219
−219.5
−220
pull
Entries 53
Mean 26.5
Std Dev 15.3
pull1D
Entries 53
Mean −2.275e−13
Std Dev1.016e−20

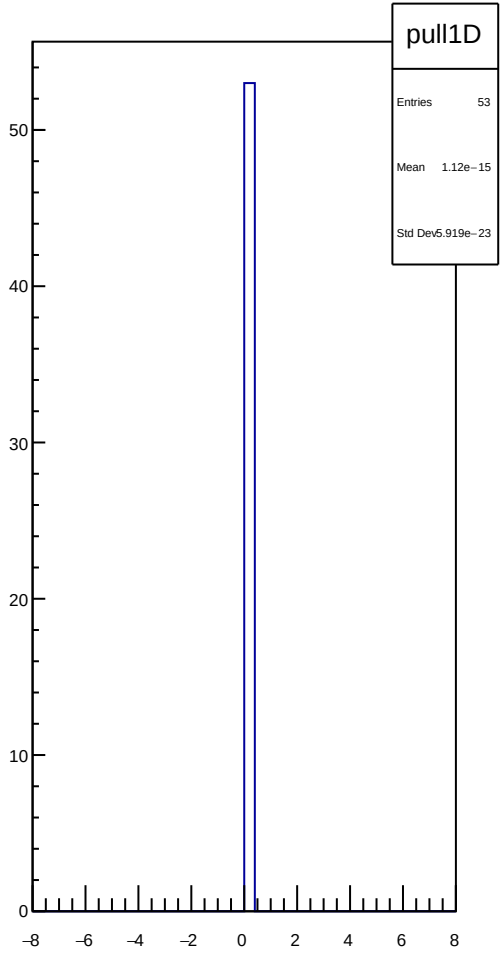

dit_sam3_4aX_slope vs run
χ² / ndf 9.14e−28 / 52
p0 −23.37 ± 0.7051
−18
−20
−22
−24
−26
−28
pull
Entries 53
Mean 26.5
Std Dev 15.3
×10⁻¹⁵
4
3.5
3
2.5
2
1.5
1
0.5
0

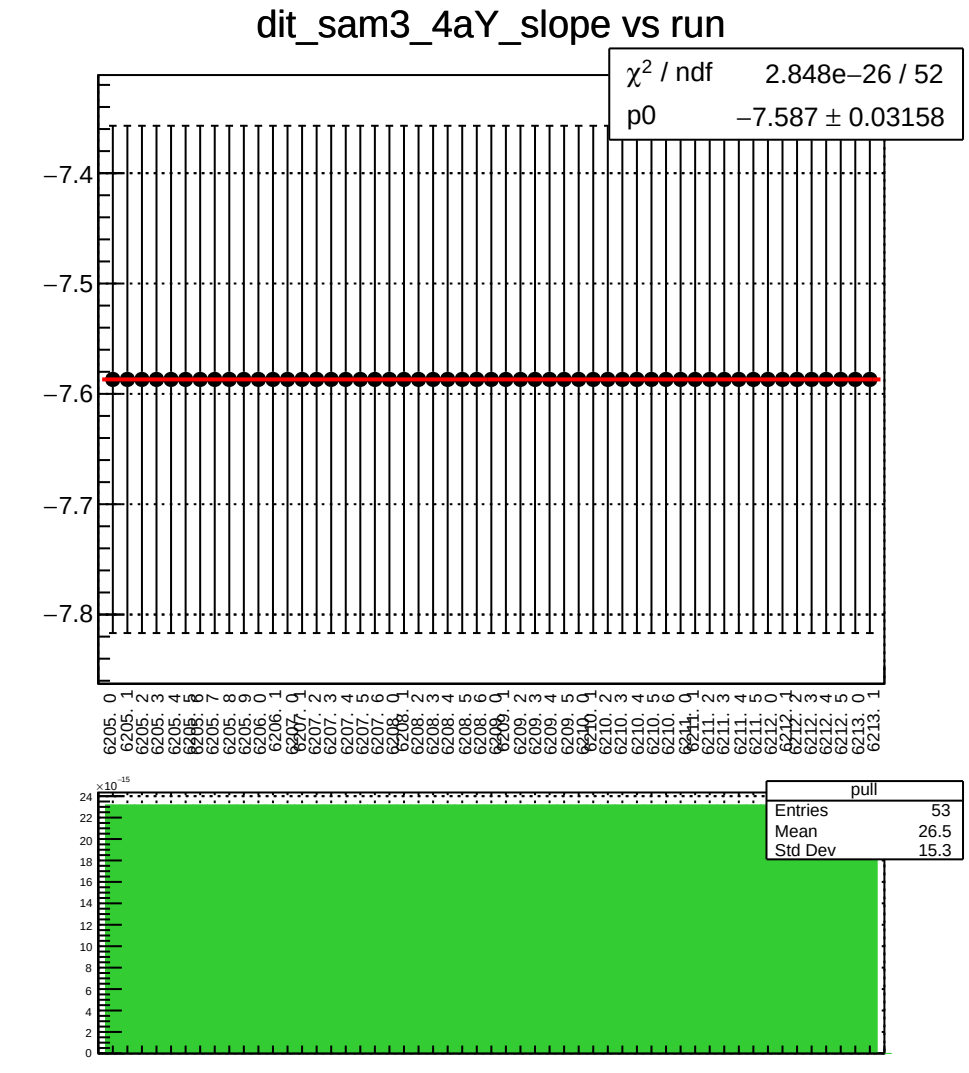

pull1D
Entries 53
Mean 4.153e−15
Std Dev 2.118e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

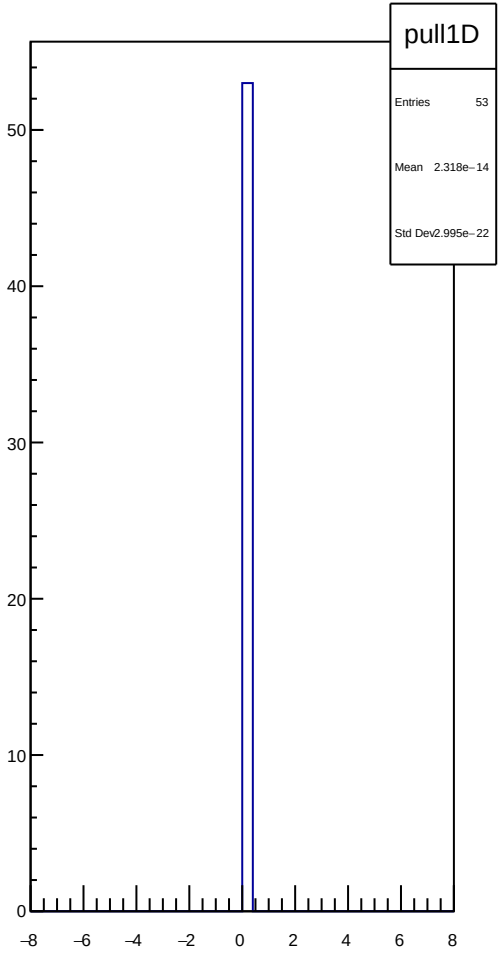

dit_sam3_4eX_slope vs run
χ² / ndf 0 / 52
p0 −94.81 ± 0.5662
pull
Entries 53
Mean 0
Std Dev 0

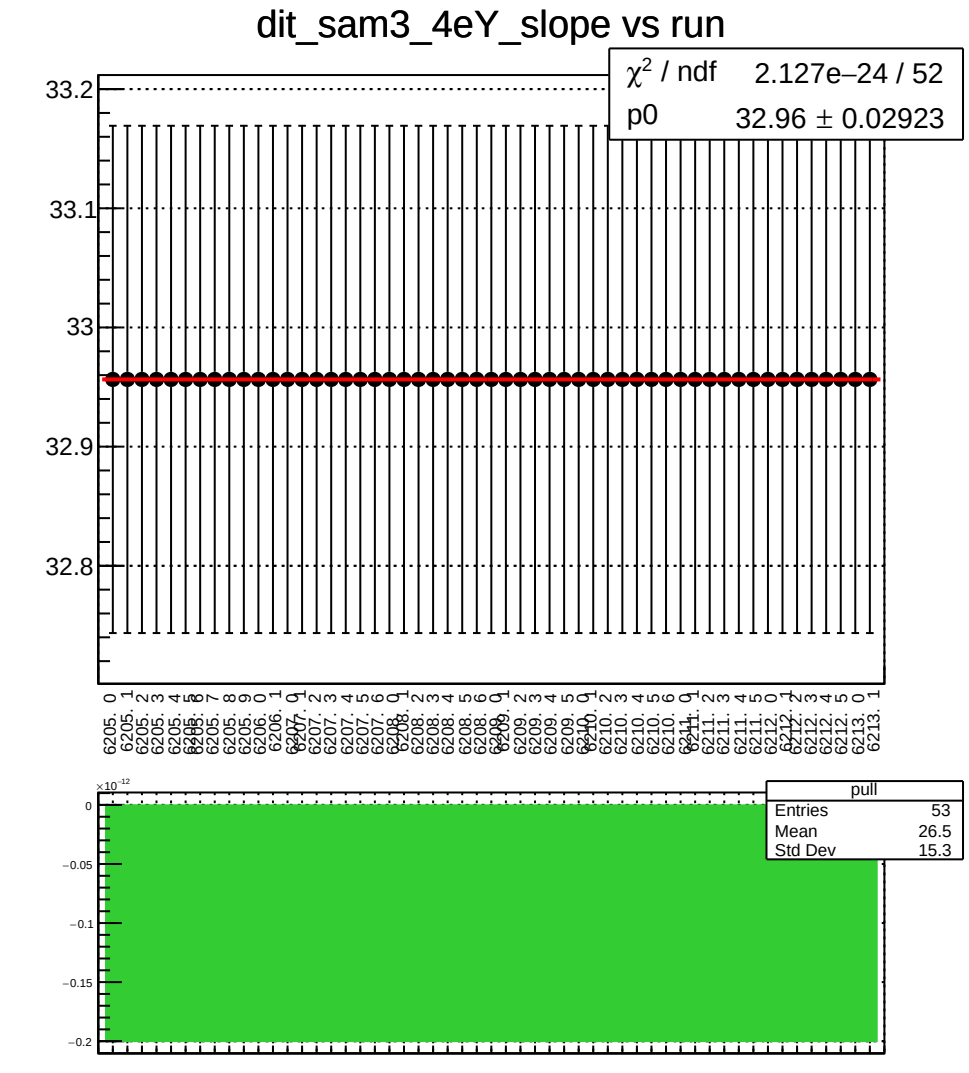

pull1D
Entries 53
Mean 0
Std Dev 0

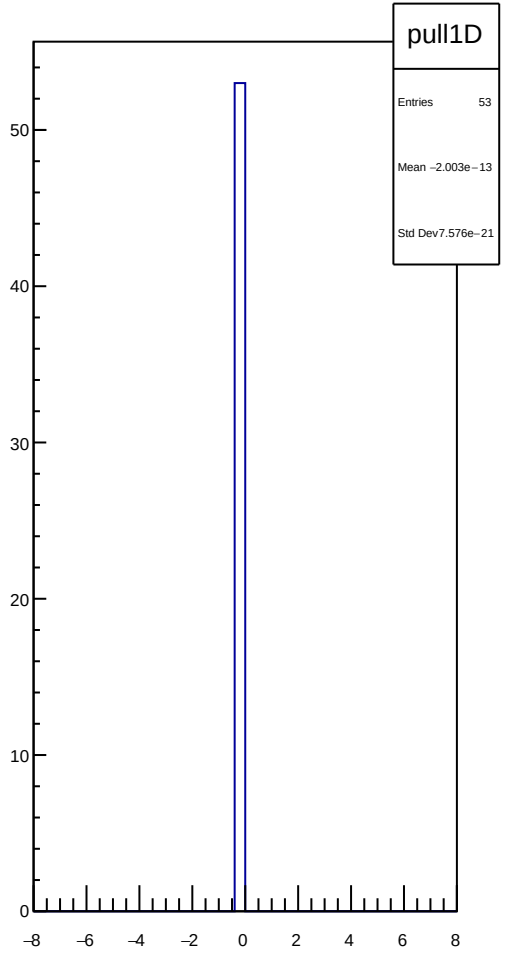

dit_sam3_11X12X_slope vs run
χ² / ndf 6.646e−29 / 52
p0 −1.105 ± 0.1634
pull
Entries 53
Mean 26.5
Std Dev 15.3

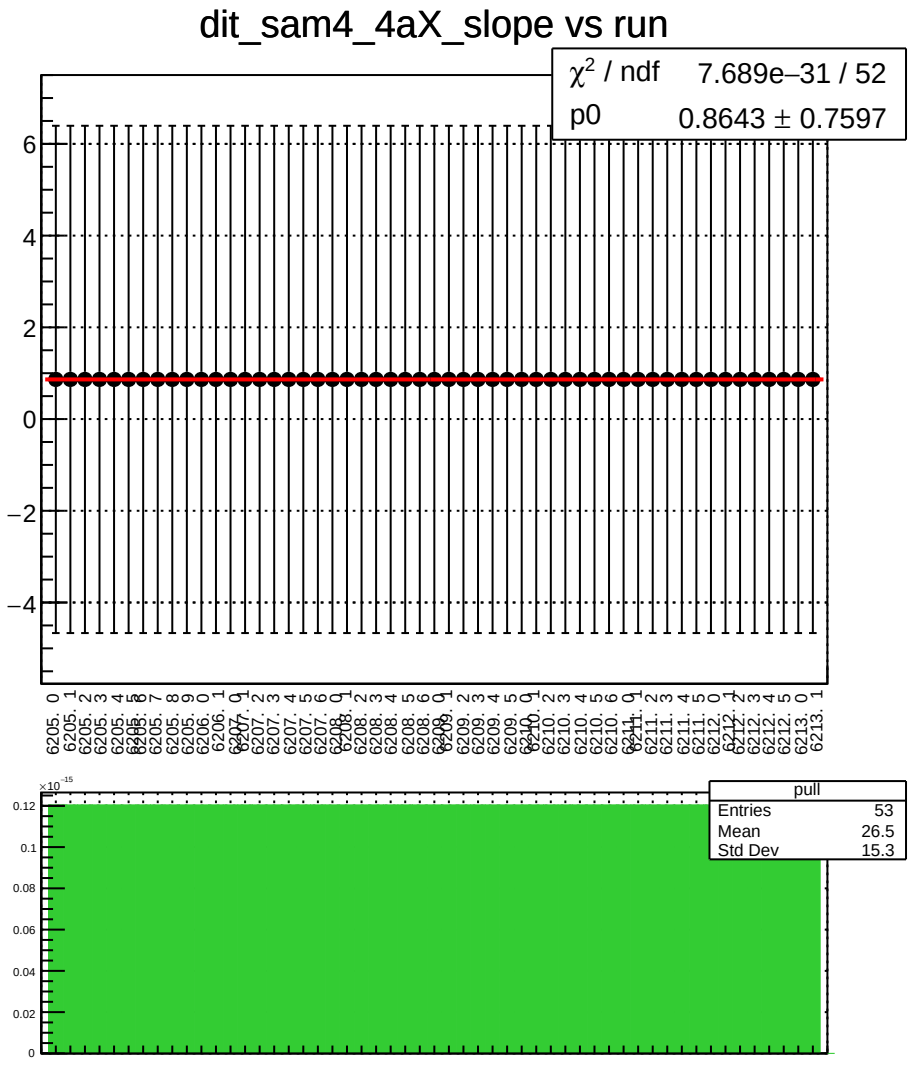

pull1D
Entries 53
Mean 1.12e−15
Std Dev 5.919e−23

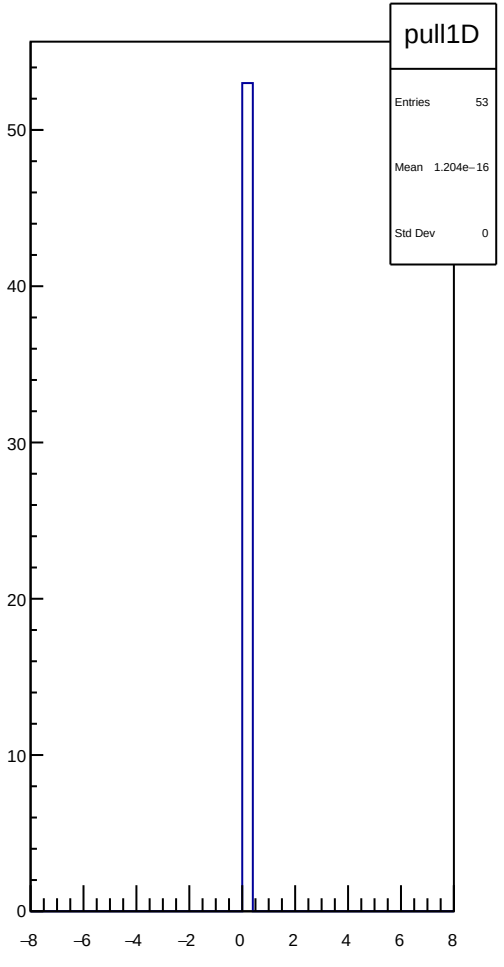

dit_sam3_4aY_slope vs run
χ² / ndf 2.848e−26 / 52
p0 −7.587 ± 0.03158
−7.4
−7.5
−7.6
−7.7
−7.8
pull
Entries 53
Mean 26.5
Std Dev 15.3

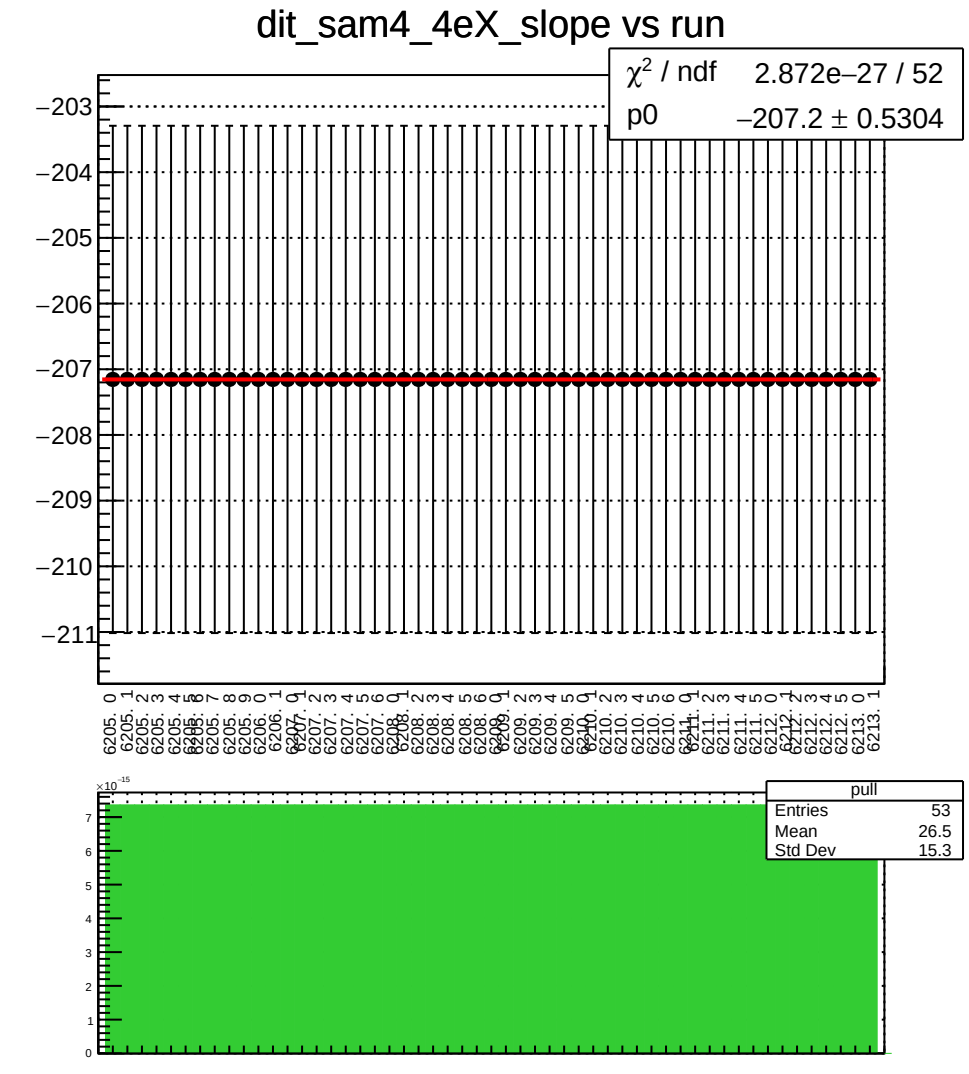

pull1D
Entries 53
Mean 2.318e−14
Std Dev 2.995e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

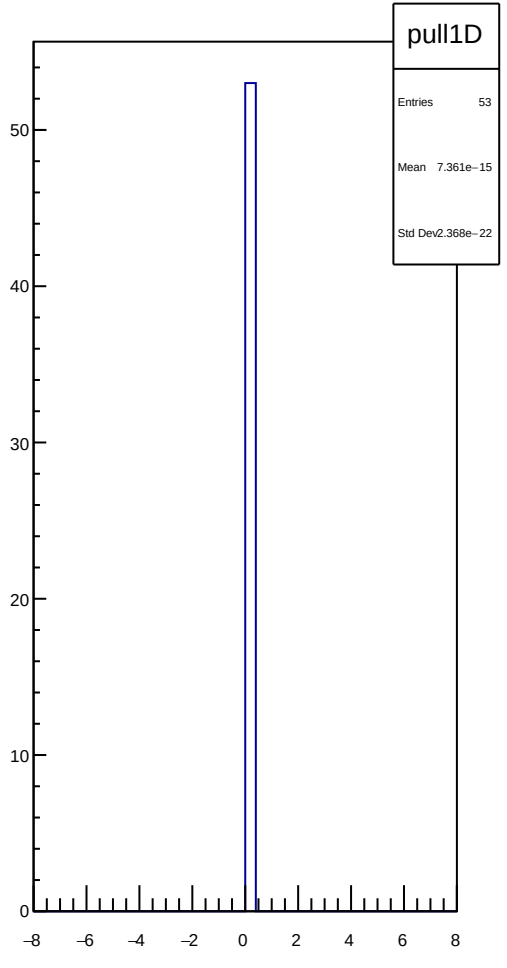

dit_sam3_4eY_slope vs run
χ² / ndf 2.127e−24 / 52
p0 32.96 ± 0.02923
33.2
33.1
33
32.9
32.8
pull
Entries 53
Mean 26.5
Std Dev 15.3
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2

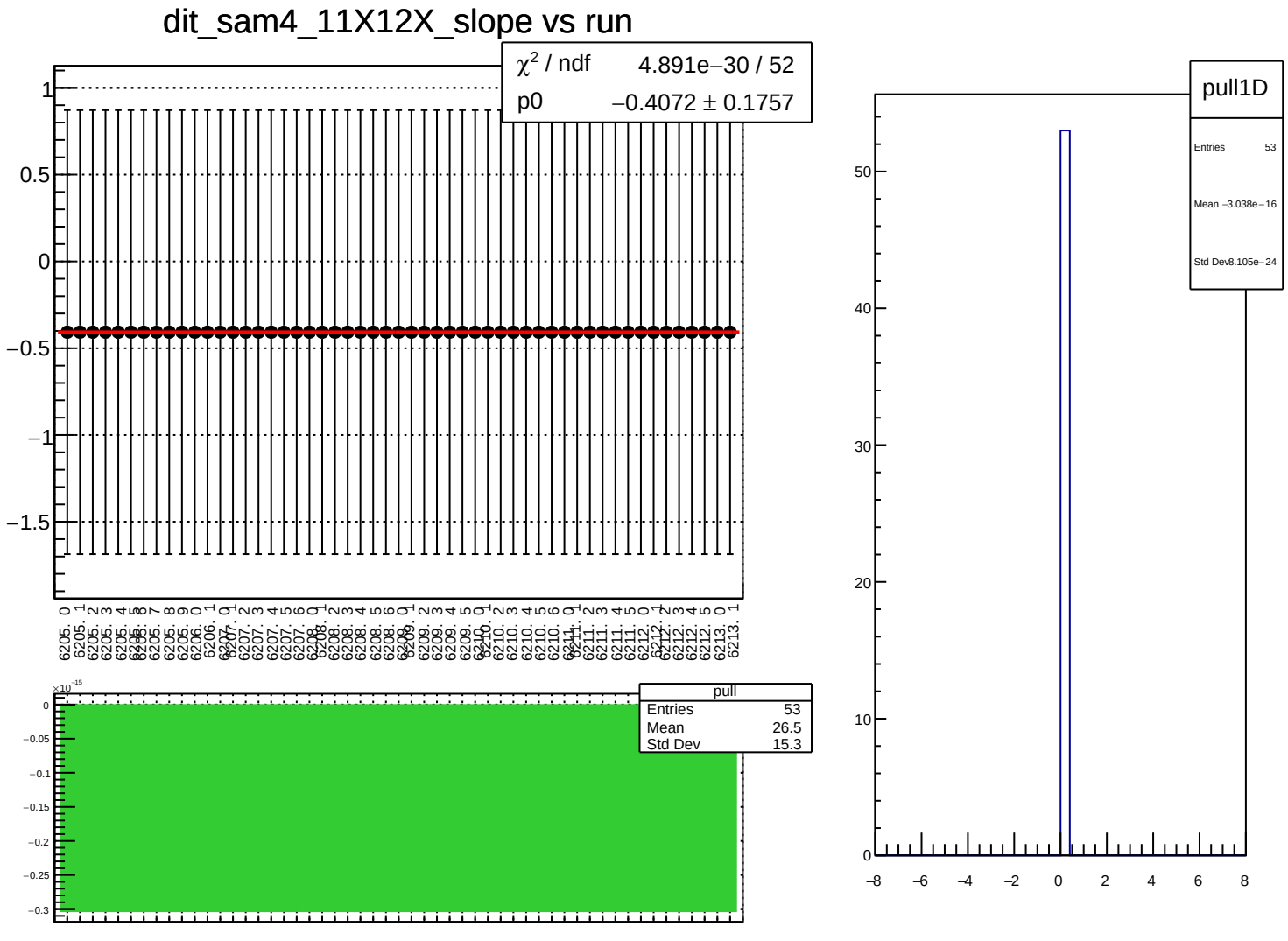

pull1D
Entries 53
Mean −2.003e−13
Std Dev7.576e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

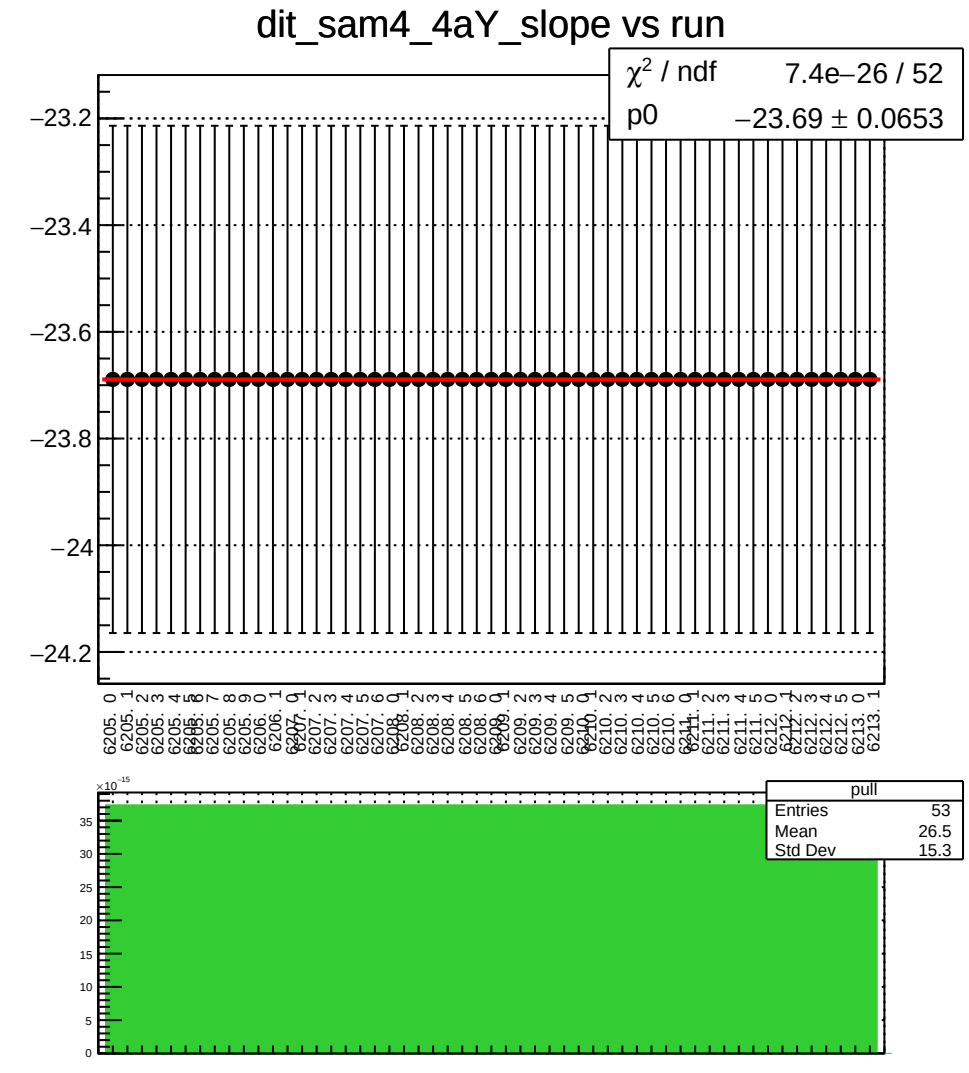

dit_sam4_4aX_slope vs run
χ² / ndf 7.689e−31 / 52
p0 0.8643 ± 0.7597
pull
Entries 53
Mean 26.5
Std Dev 15.3

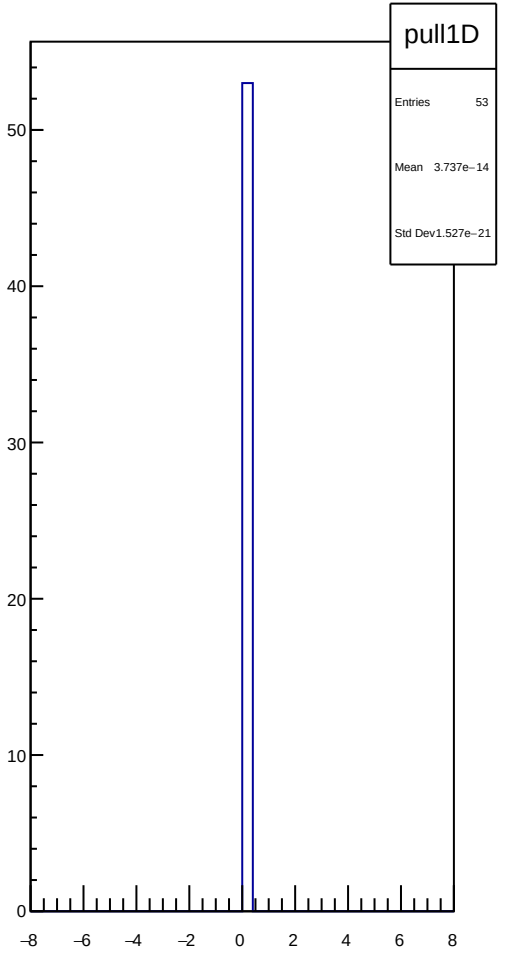

pull1D
Entries 53
Mean 1.204e−16
Std Dev 0

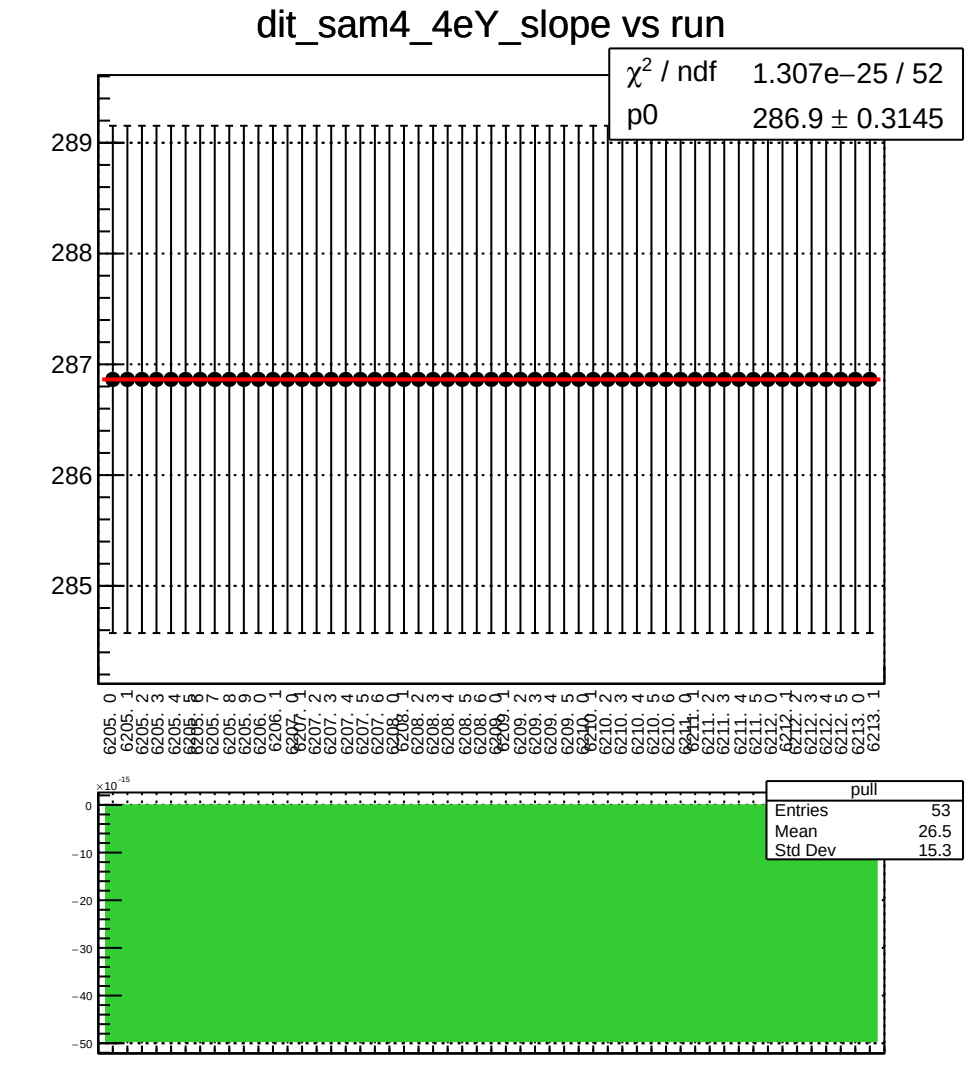

dit_sam4_4eX_slope vs run
χ² / ndf 2.872e−27 / 52
p0 −207.2 ± 0.5304
−203
−204
−205
−206
−207
−208
−209
−210
−211
pull
Entries 53
Mean 26.5
Std Dev 15.3
×10⁻¹⁵
0
1
2
3
4
5
6
7

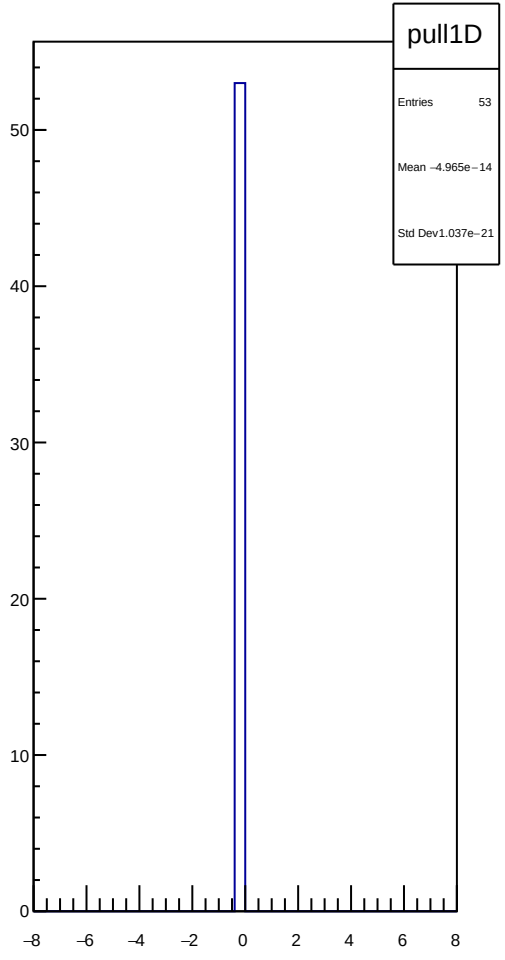

pull1D
Entries 53
Mean 7.361e−15
Std Dev 2.368e−22
0
10
20
30
40
50
−8
−6
−4
−2
0
2
4
6
8

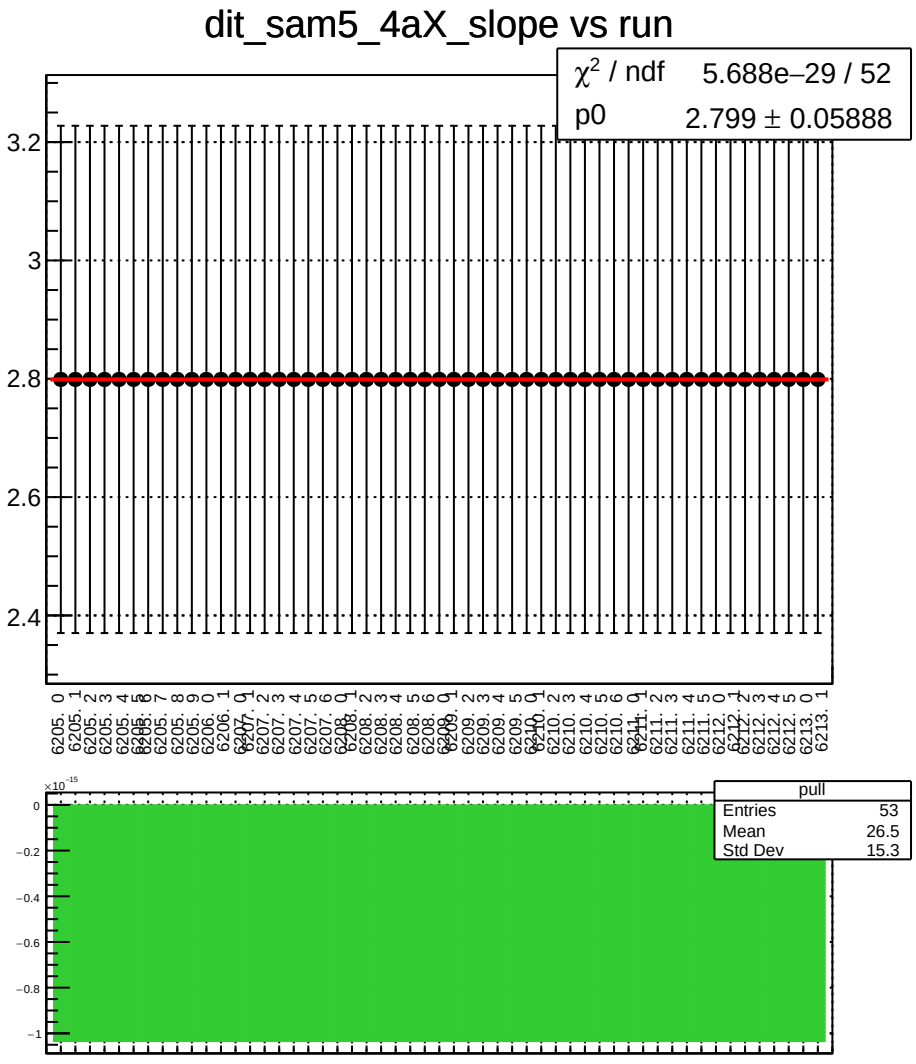

dit_sam4_11X12X_slope vs run
χ² / ndf 4.891e−30 / 52
p0 −0.4072 ± 0.1757
pull
Entries 53
Mean 26.5
Std Dev 15.3
pull1D
Entries 53
Mean −3.038e−16
Std Dev 8.105e−24

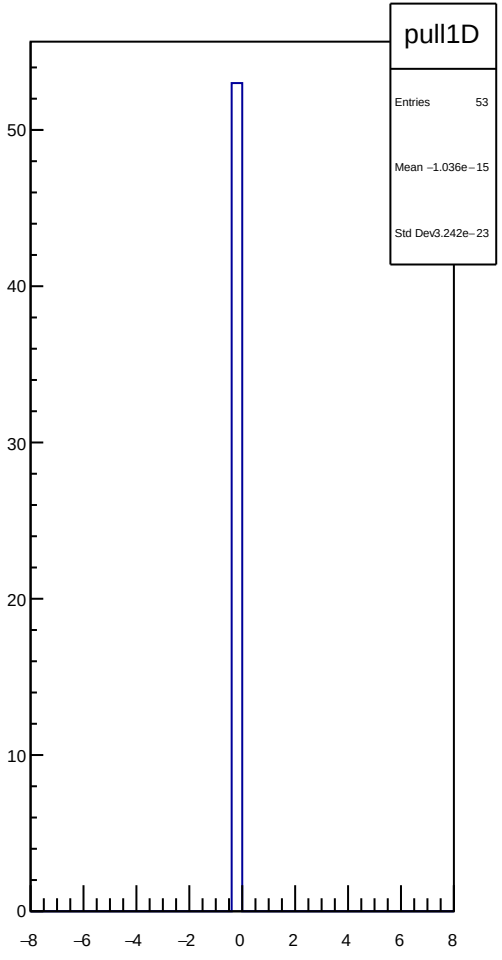

dit_sam4_4aY_slope vs run
χ² / ndf 7.4e−26 / 52
p0 −23.69 ± 0.0653
−23.2
−23.4
−23.6
−23.8
−24
−24.2
pull
Entries 53
Mean 26.5
Std Dev 15.3
×10⁻¹⁵
35
30
25
20
15
10
5
0

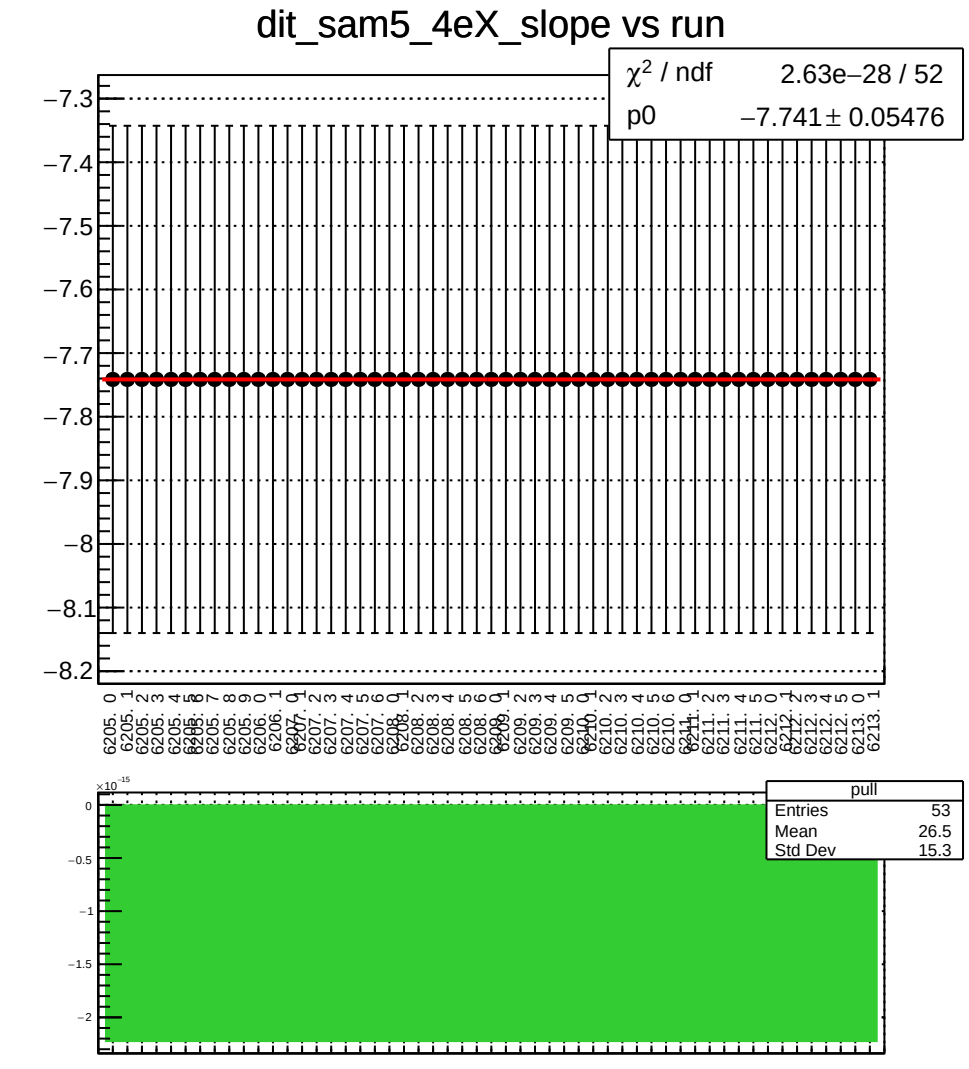

pull1D
Entries 53
Mean 3.737e−14
Std Dev1.527e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

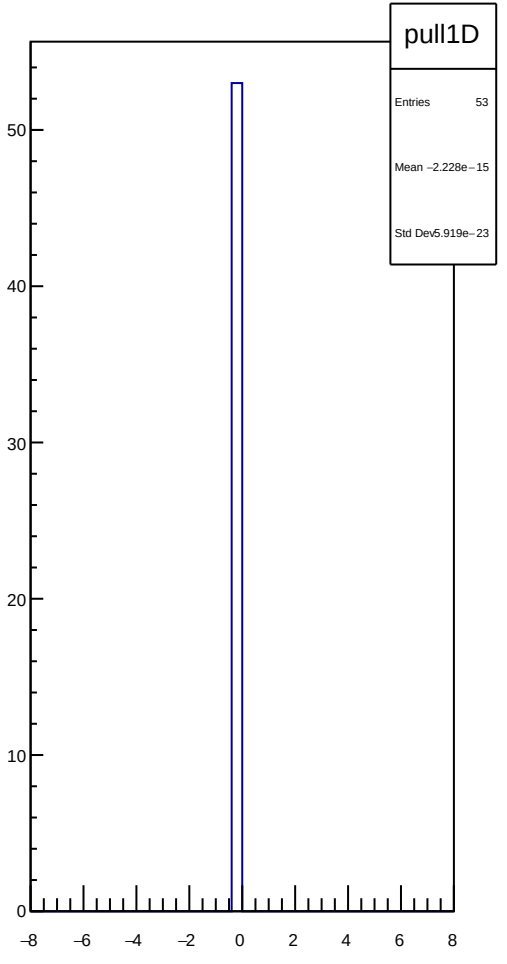

dit_sam4_4eY_slope vs run
χ² / ndf 1.307e−25 / 52
p0 286.9 ± 0.3145
289
288
287
286
285
pull
Entries 53
Mean 26.5
Std Dev 15.3
×10⁻¹⁵
0
−10
−20
−30
−40
−50

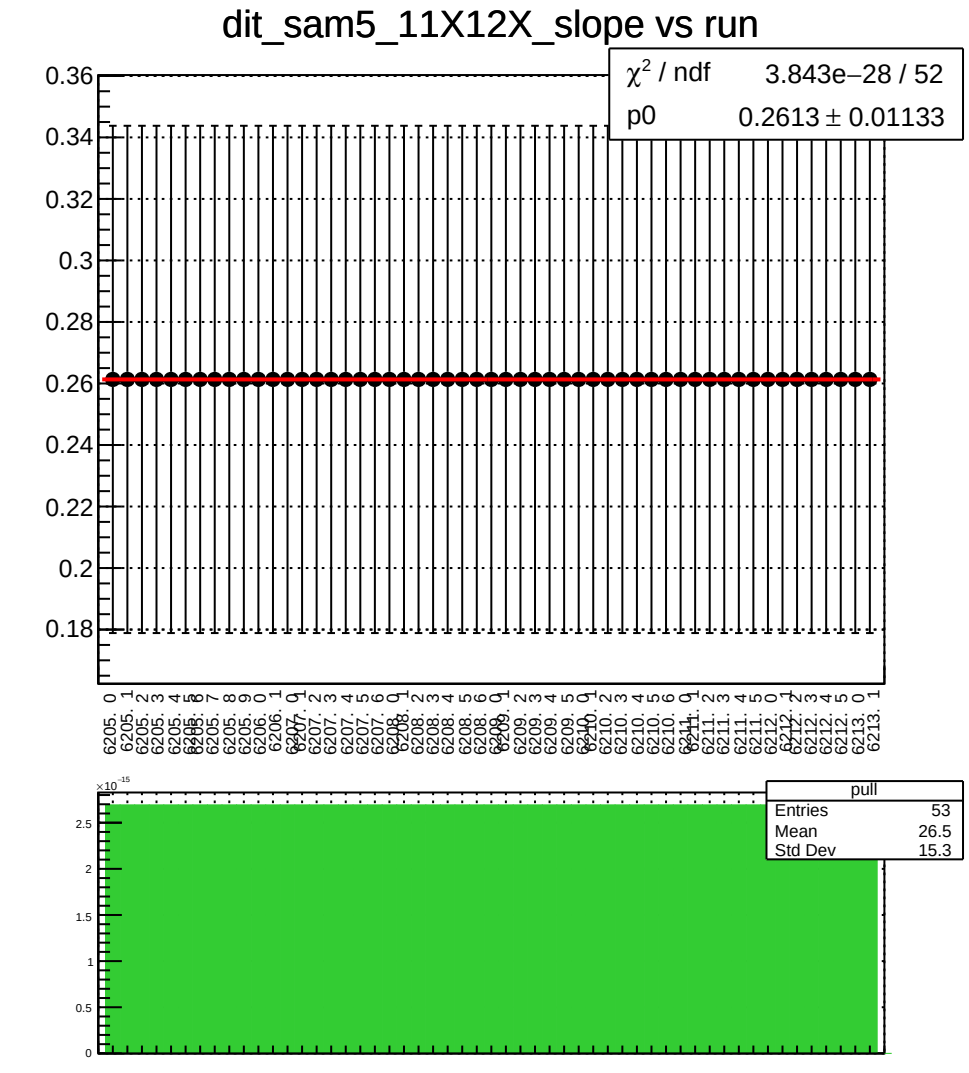

pull1D
Entries 53
Mean −4.965e−14
Std Dev1.037e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

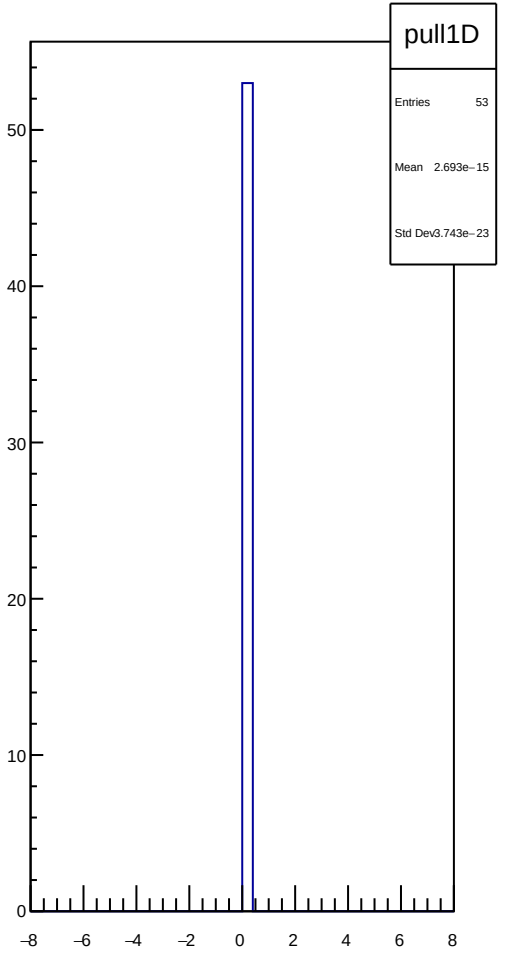

dit_sam5_4aX_slope vs run
χ² / ndf 5.688e−29 / 52
p0 2.799 ± 0.05888
3.2
3
2.8
2.6
2.4
pull
Entries 53
Mean 26.5
Std Dev 15.3
×10⁻¹⁵
0
−0.2
−0.4
−0.6
−0.8
−1

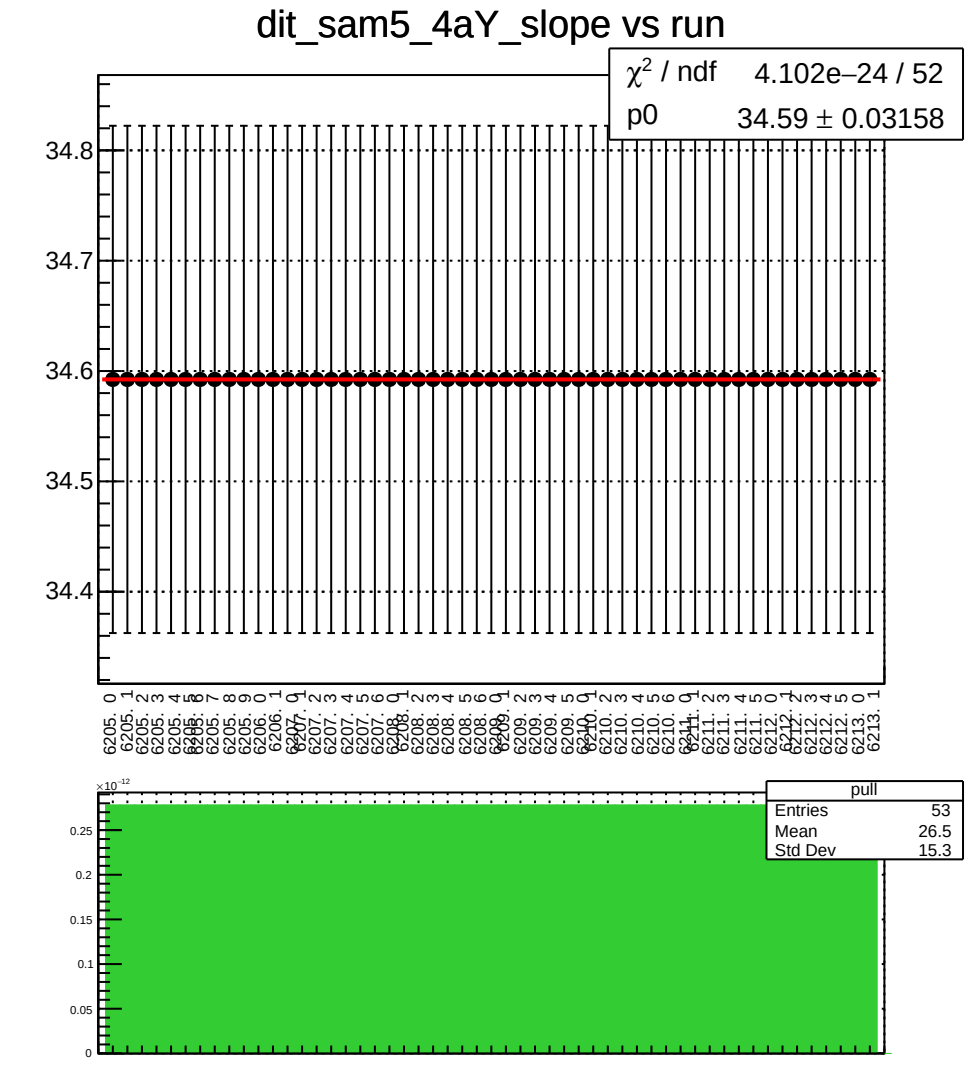

pull1D
Entries 53
Mean −1.036e−15
Std Dev 3.242e−23
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

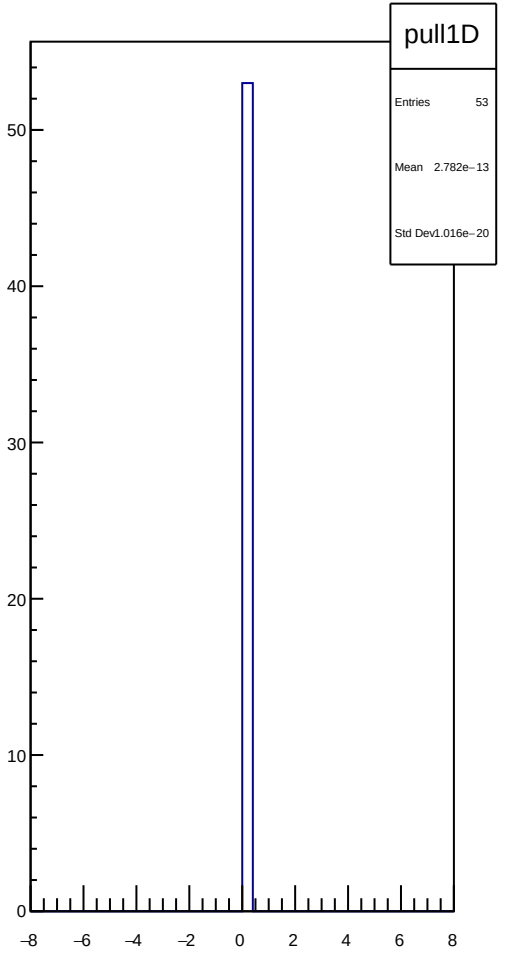

dit_sam5_4eX_slope vs run
χ² / ndf 2.63e−28 / 52
p0 −7.741 ± 0.05476
−7.3
−7.4
−7.5
−7.6
−7.7
−7.8
−7.9
−8
−8.1
−8.2
pull
Entries 53
Mean 26.5
Std Dev 15.3
×10⁻¹⁵
0
−0.5
−1
−1.5
−2

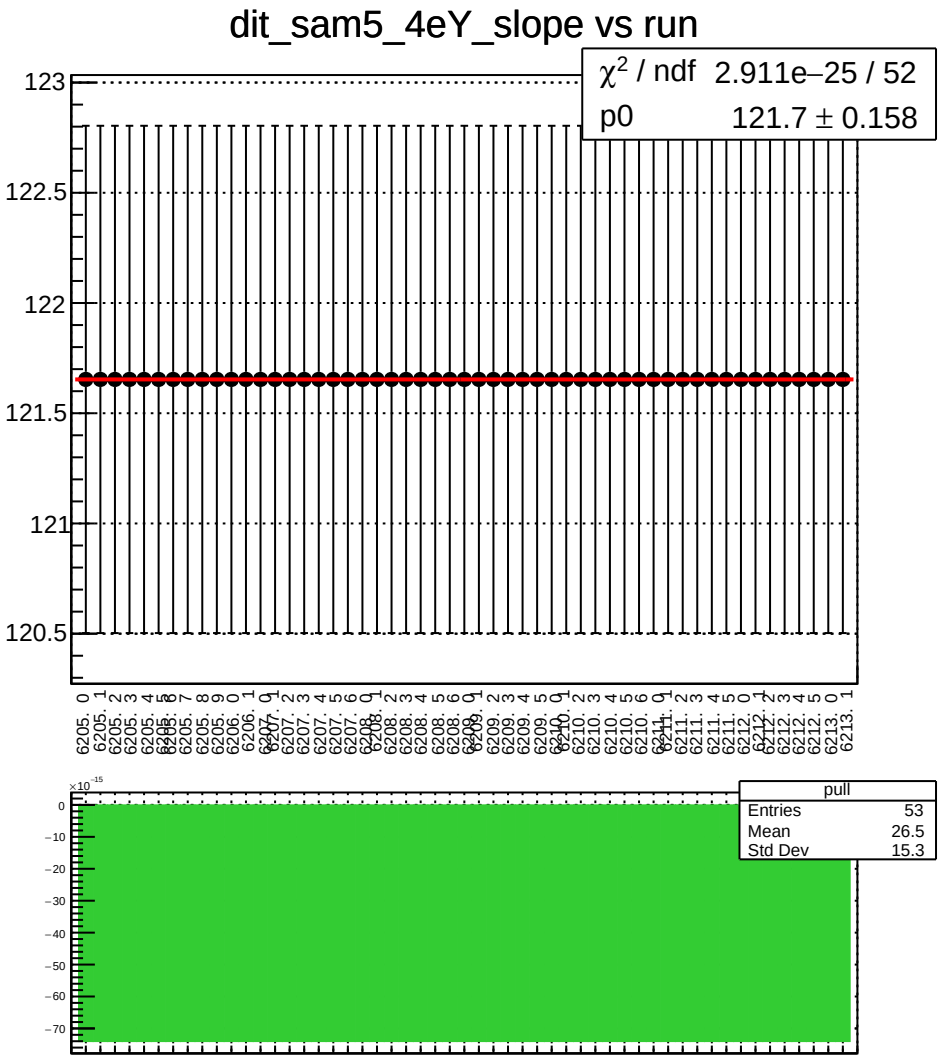

pull1D
Entries 53
Mean −2.228e−15
Std Dev5.919e−23
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

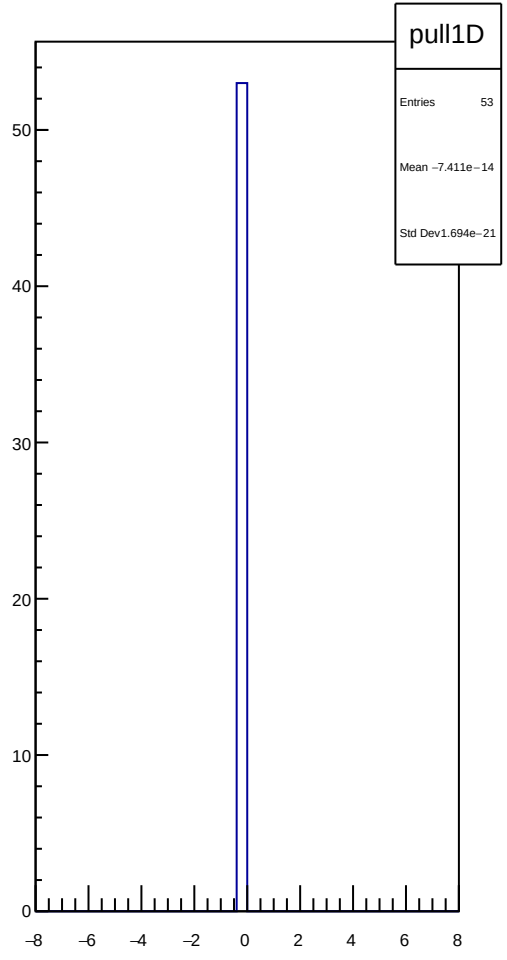

dit_sam5_11X12X_slope vs run
χ² / ndf 3.843e−28 / 52
p0 0.2613 ± 0.01133
0.36
0.34
0.32
0.3
0.28
0.26
0.24
0.22
0.2
0.18
pull
Entries 53
Mean 26.5
Std Dev 15.3
×10⁻¹⁵
2.5
2
1.5
1
0.5
0

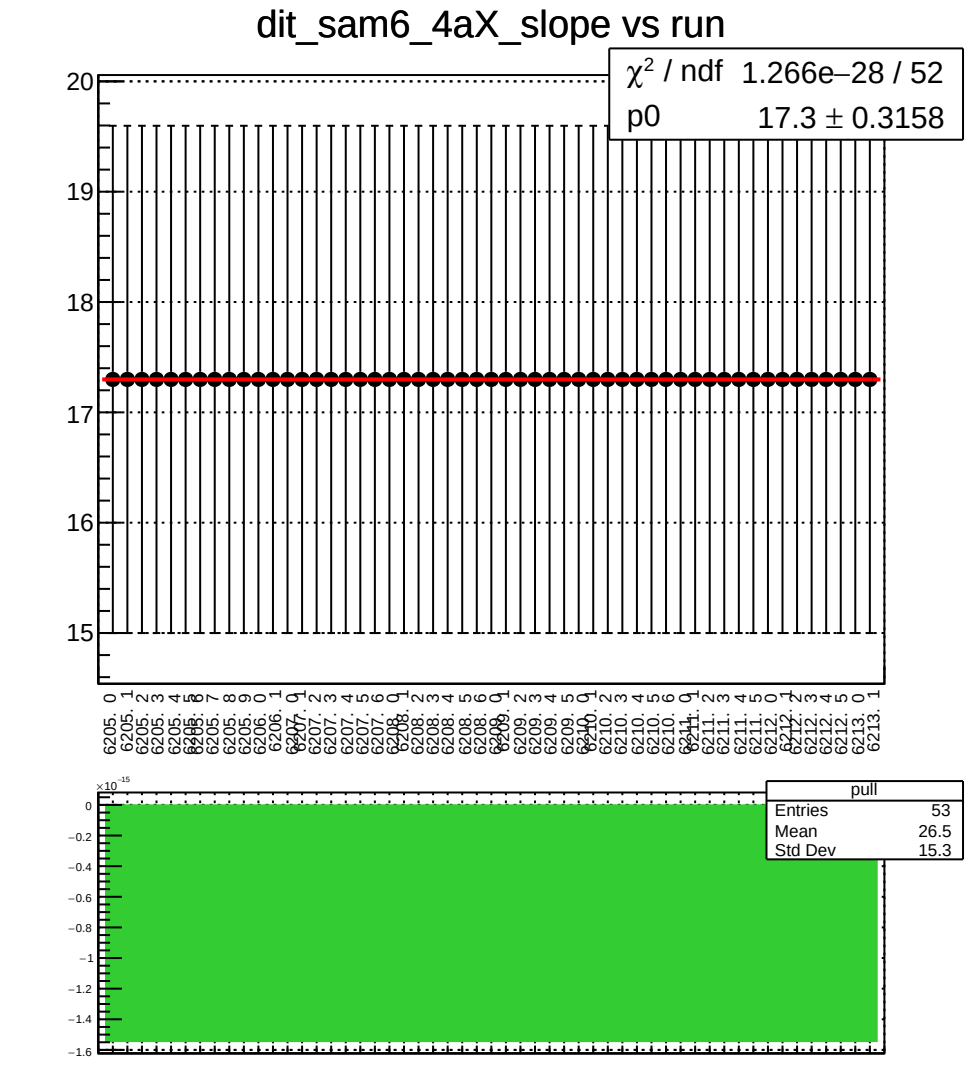

pull1D
Entries 53
Mean 2.693e−15
Std Dev 3.743e−23
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

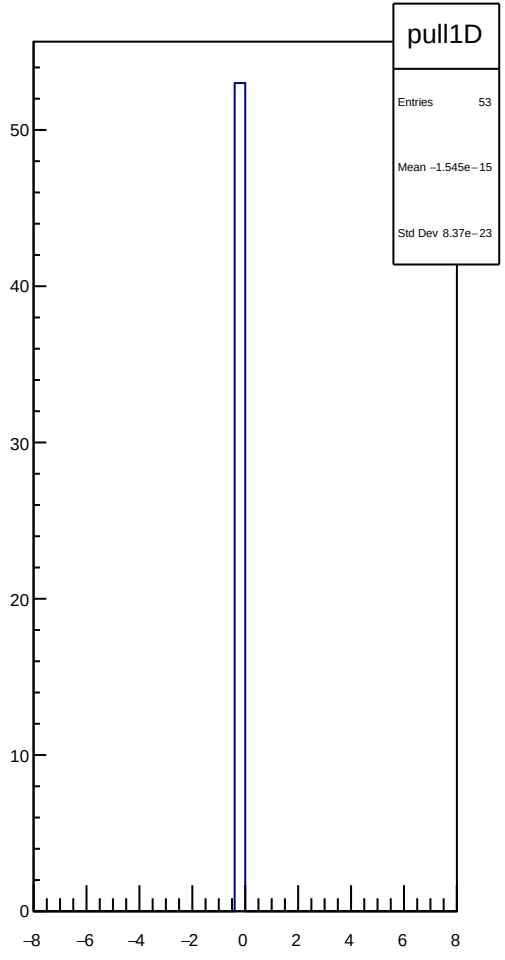

dit_sam5_4aY_slope vs run
χ² / ndf 4.102e−24 / 52
p0 34.59 ± 0.03158
34.8
34.7
34.6
34.5
34.4
pull
Entries 53
Mean 26.5
Std Dev 15.3
×10⁻¹²
0.25
0.2
0.15
0.1
0.05
0

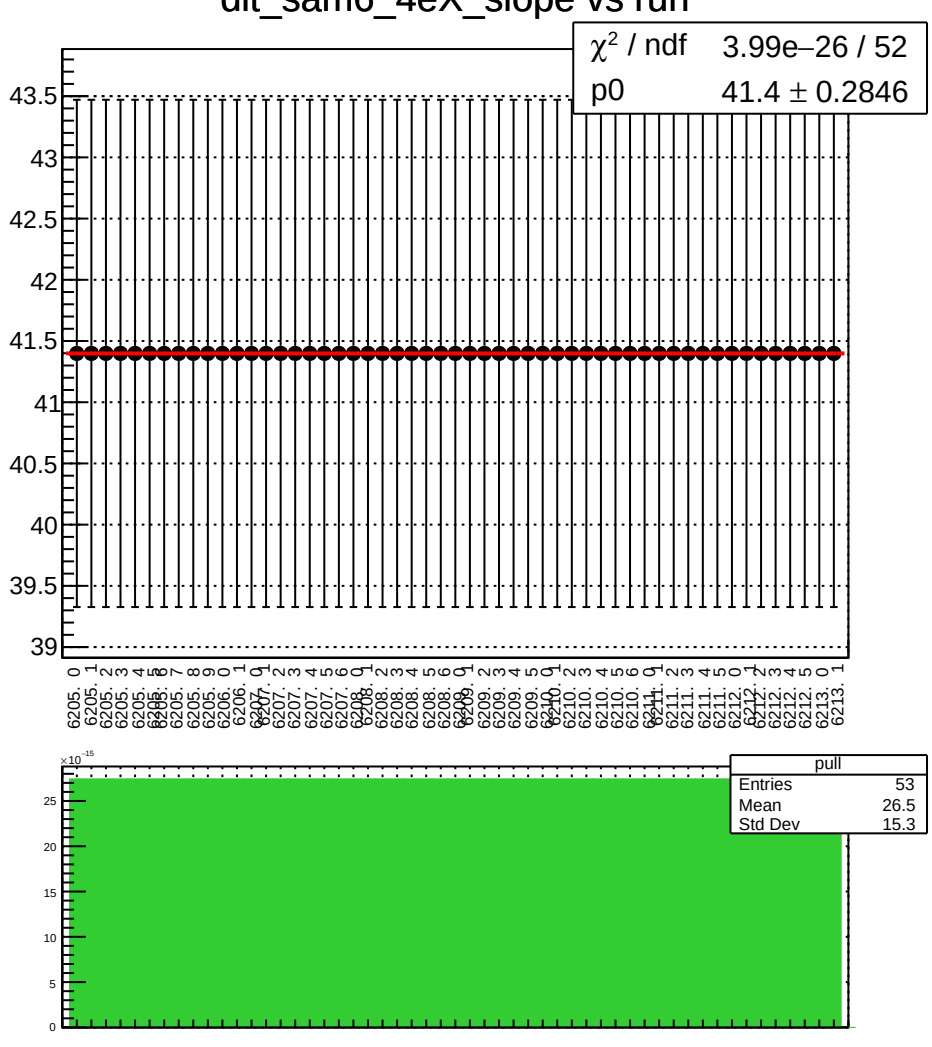

pull1D
Entries 53
Mean 2.782e−13
Std Dev1.016e−20
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

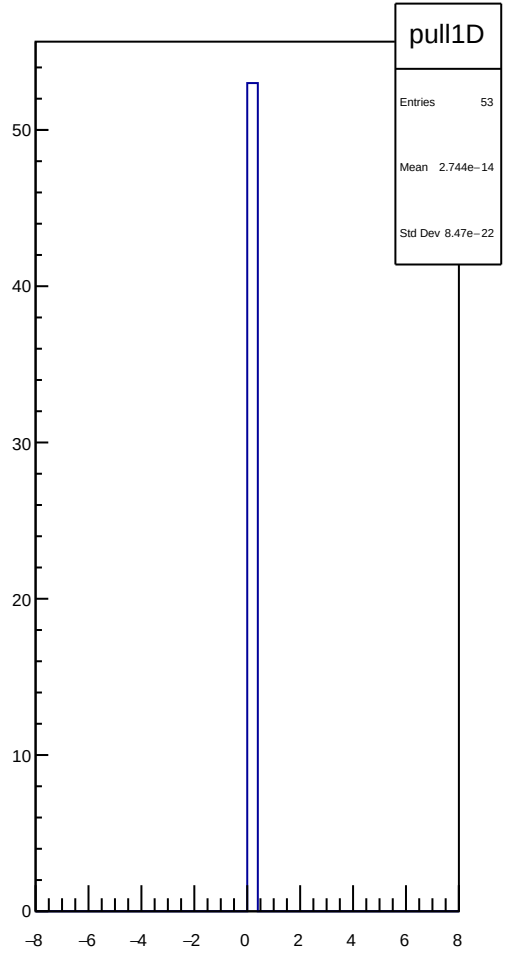

dit_sam5_4eY_slope vs run
$\chi^2$ / ndf 2.911e−25 / 52
p0 121.7 ± 0.158
123
122.5
122
121.5
121
120.5
pull
Entries 53
Mean 26.5
Std Dev 15.3
×10^-15
0
−10
−20
−30
−40
−50
−60
−70

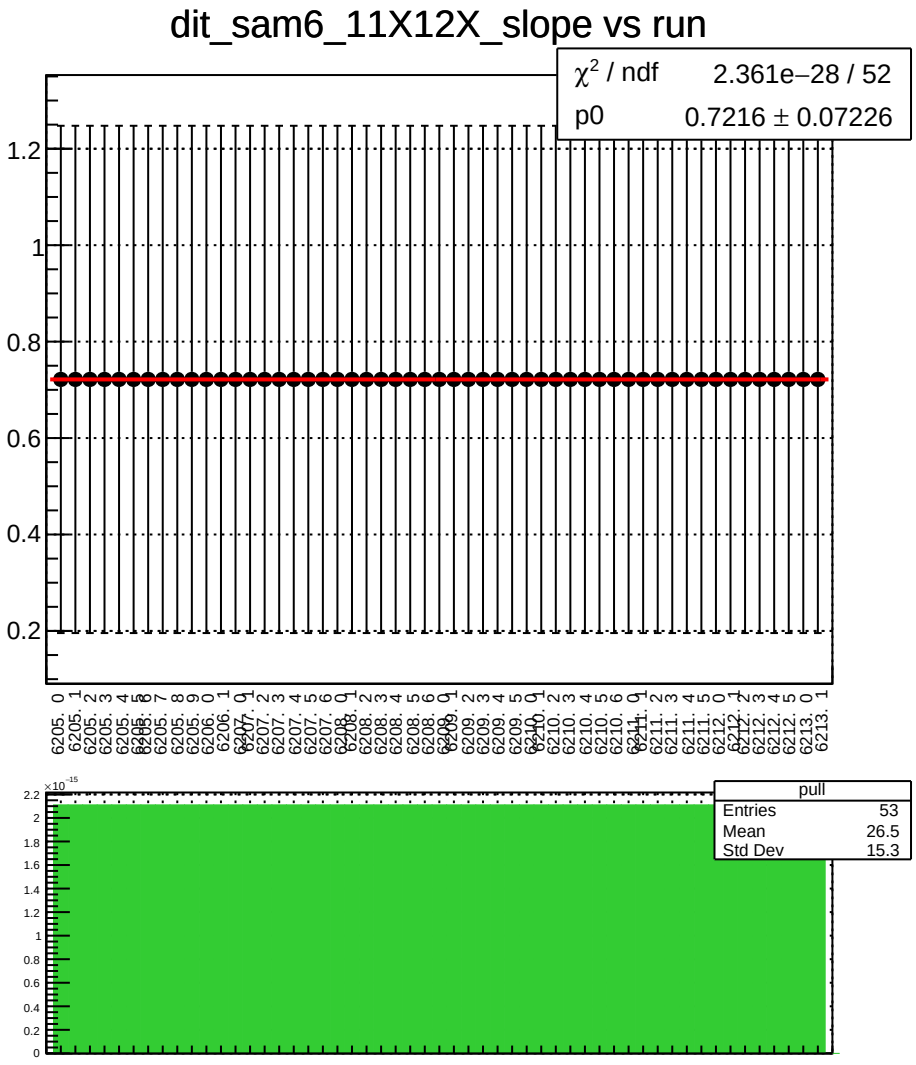

pull1D
Entries 53
Mean −7.411e−14
Std Dev1.694e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

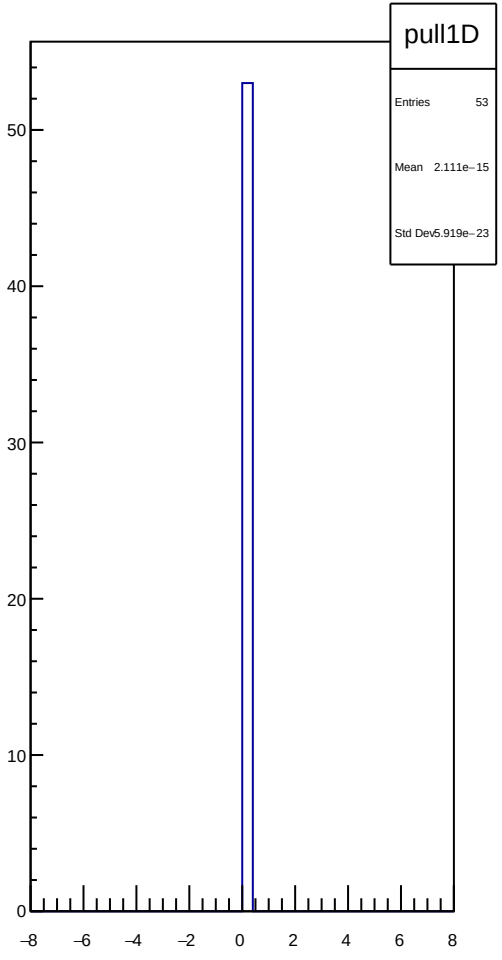

dit_sam6_4aX_slope vs run
χ² / ndf 1.266e−28 / 52
p0 17.3 ± 0.3158
pull
Entries 53
Mean 26.5
Std Dev 15.3

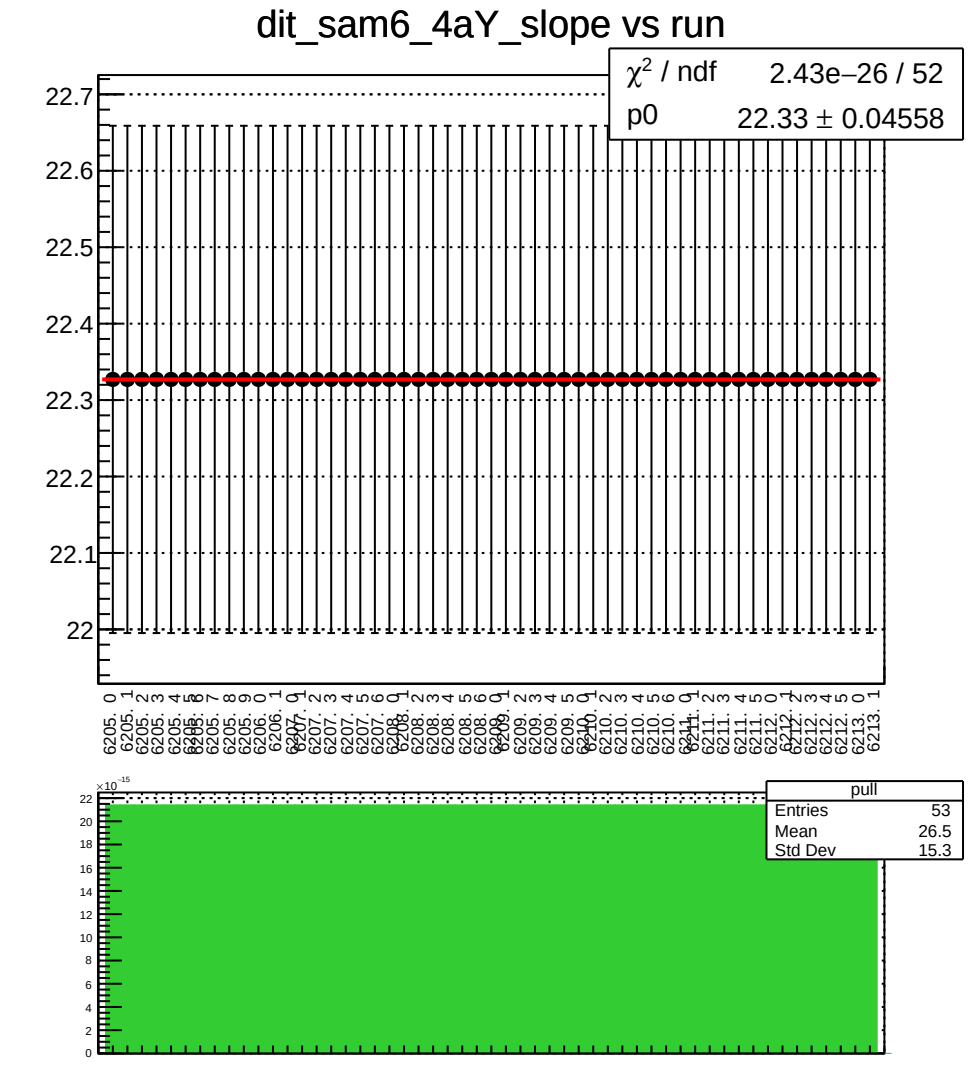

pull1D
Entries 53
Mean −1.545e−15
Std Dev 8.37e−23

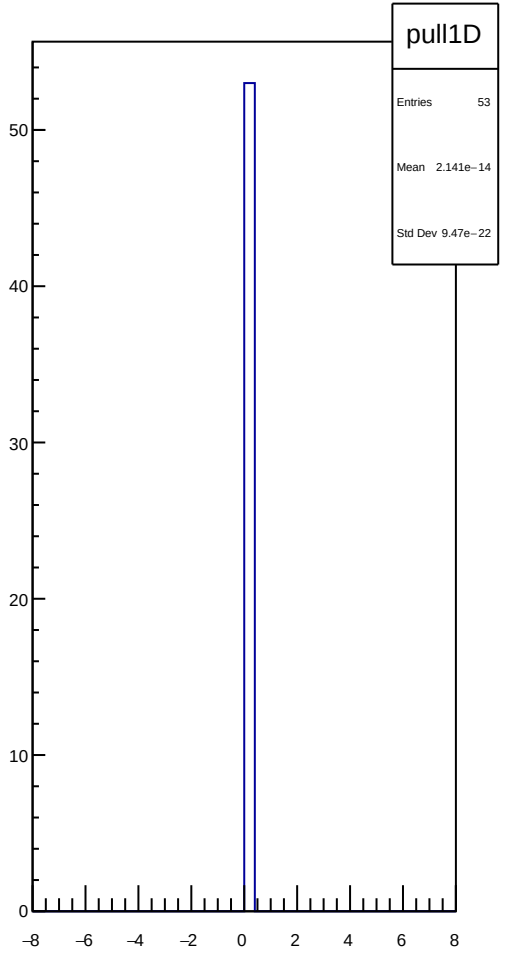

dit_sam6_4eX_slope vs run
$\chi^2$ / ndf 3.99e−26 / 52
p0 41.4 ± 0.2846
pull
Entries 53
Mean 26.5
Std Dev 15.3

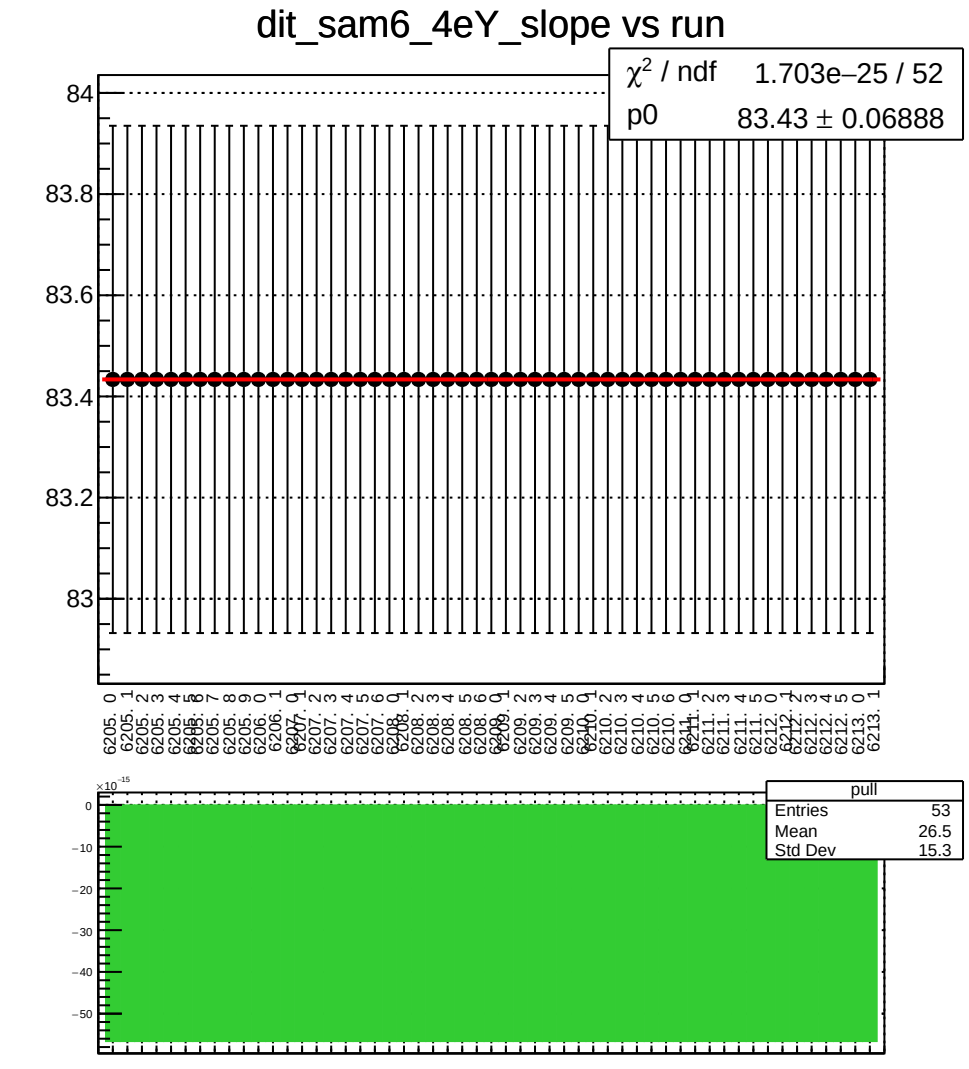

pull1D
Entries 53
Mean 2.744e−14
Std Dev 8.47e−22

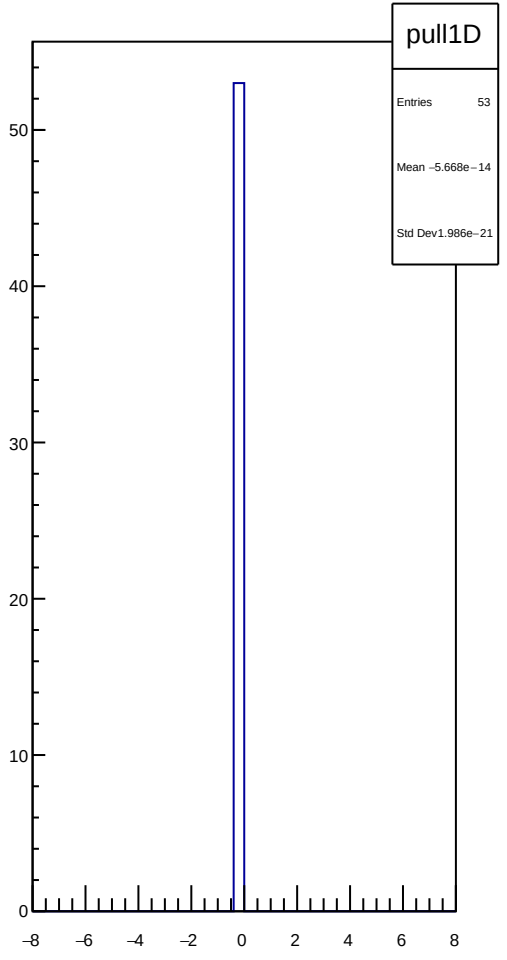

dit_sam6_11X12X_slope vs run
χ² / ndf 2.361e−28 / 52
p0 0.7216 ± 0.07226
pull
Entries 53
Mean 26.5
Std Dev 15.3

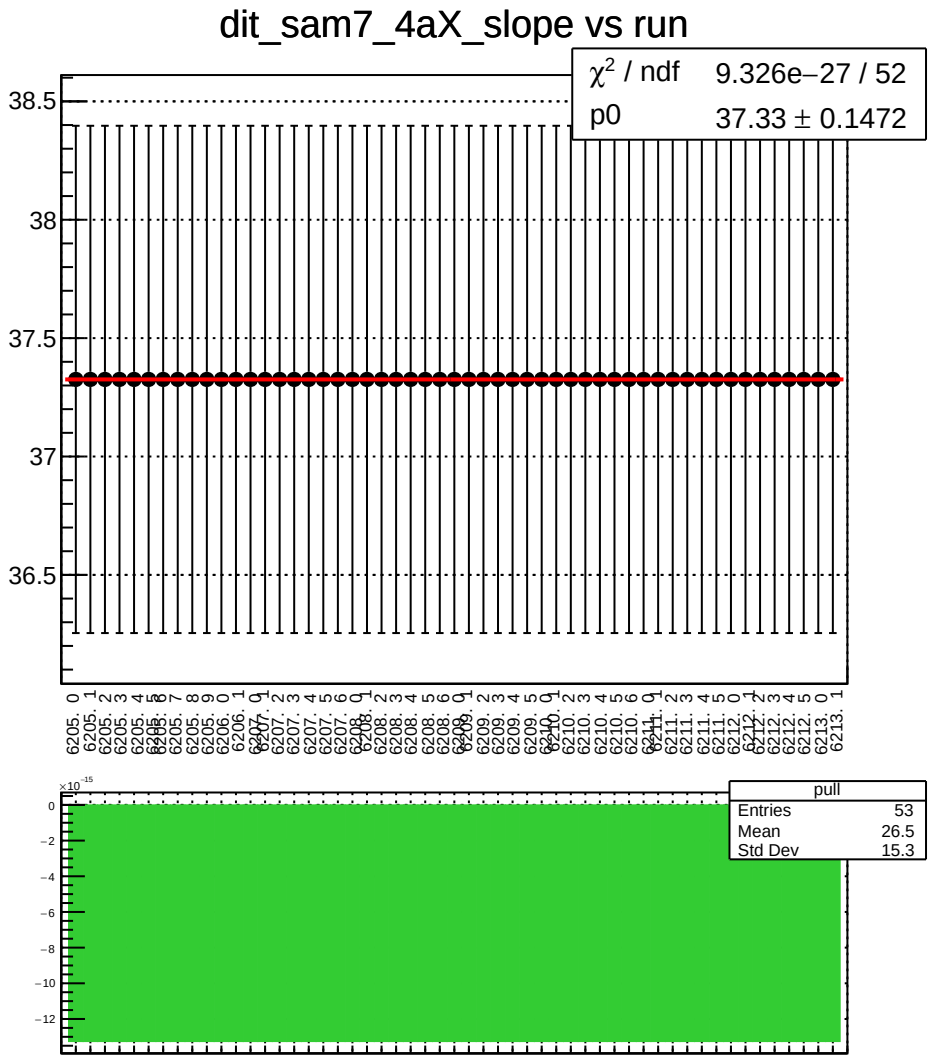

pull1D
Entries 53
Mean 2.111e−15
Std Dev 5.919e−23

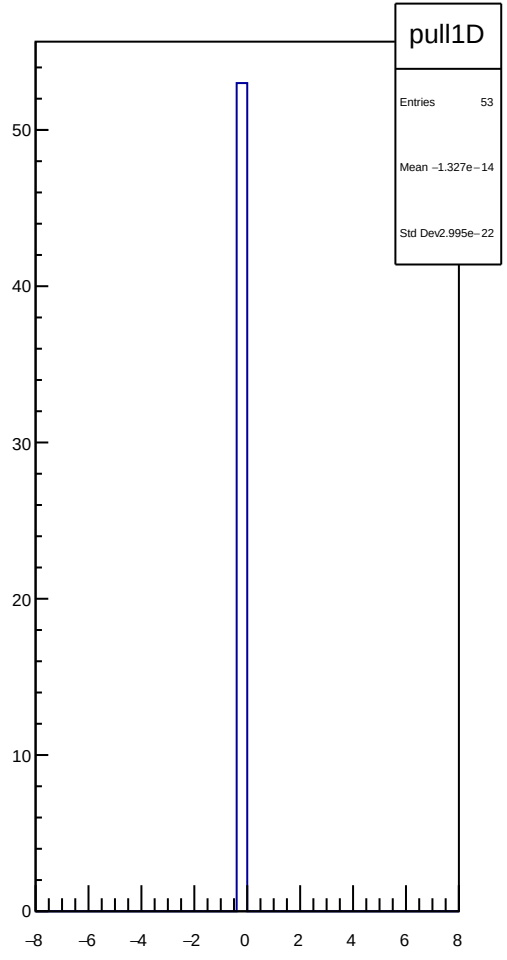

dit_sam6_4aY_slope vs run
χ² / ndf 2.43e−26 / 52
p0 22.33 ± 0.04558
22.7
22.6
22.5
22.4
22.3
22.2
22.1
22
pull
Entries 53
Mean 26.5
Std Dev 15.3
×10⁻¹⁵
22
20
18
16
14
12
10
8
6
4
2
0

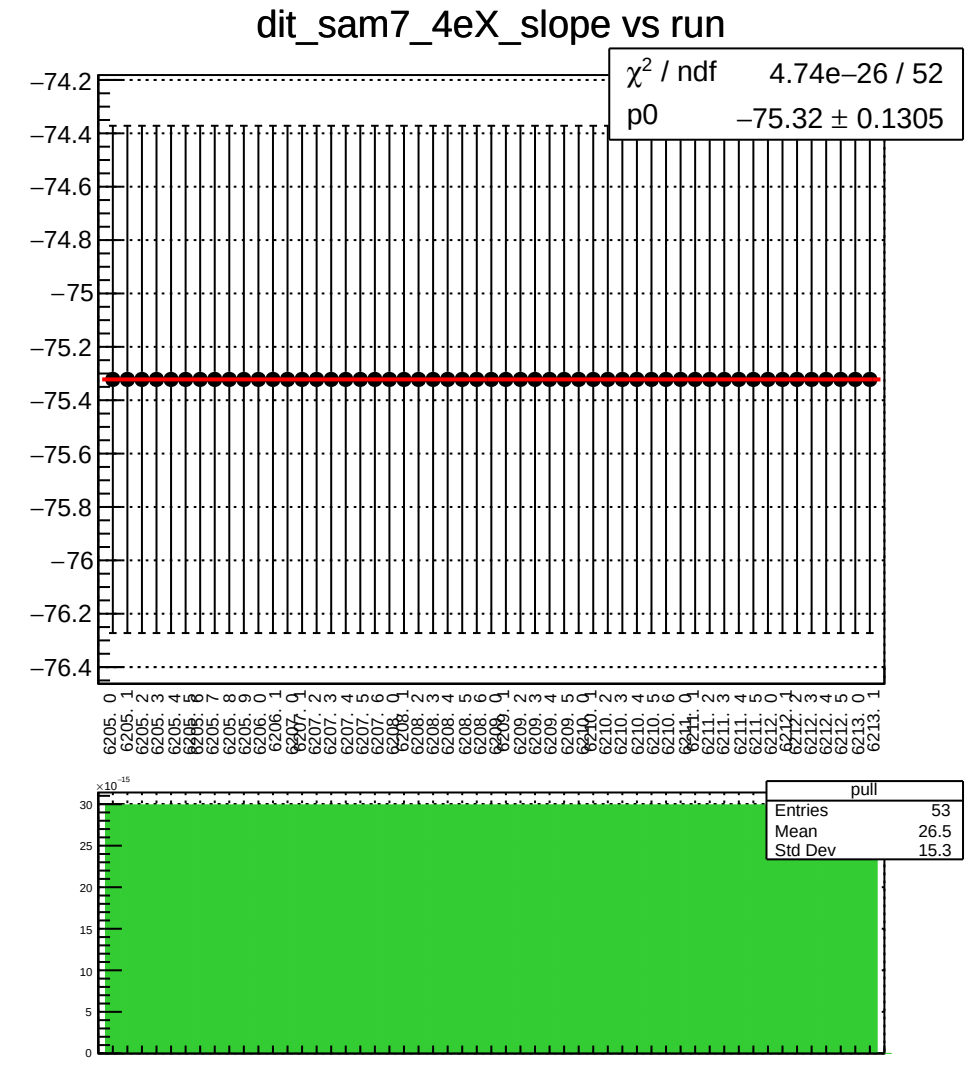

pull1D
Entries 53
Mean 2.141e−14
Std Dev 9.47e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

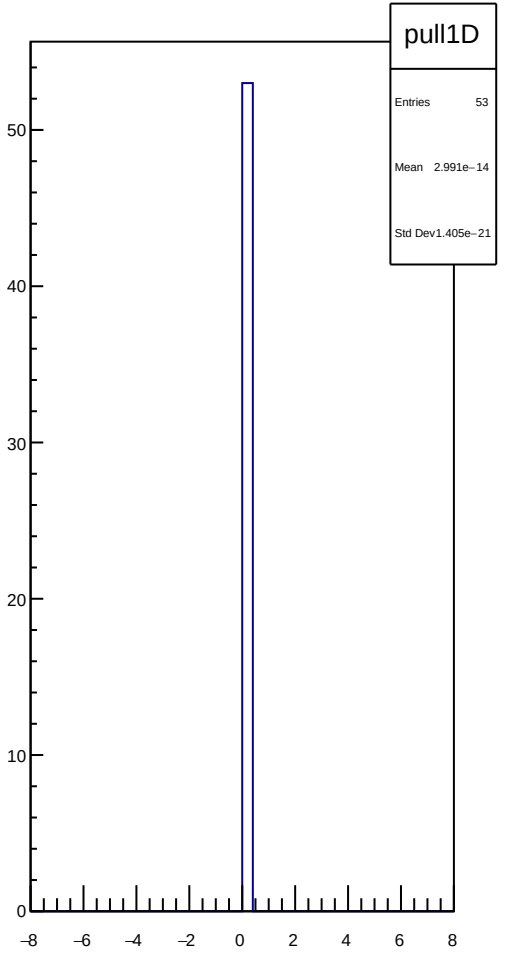

dit_sam6_4eY_slope vs run
χ² / ndf 1.703e−25 / 52
p0 83.43 ± 0.06888
84
83.8
83.6
83.4
83.2
83
pull
Entries 53
Mean 26.5
Std Dev 15.3
×10⁻¹⁵
0
−10
−20
−30
−40
−50

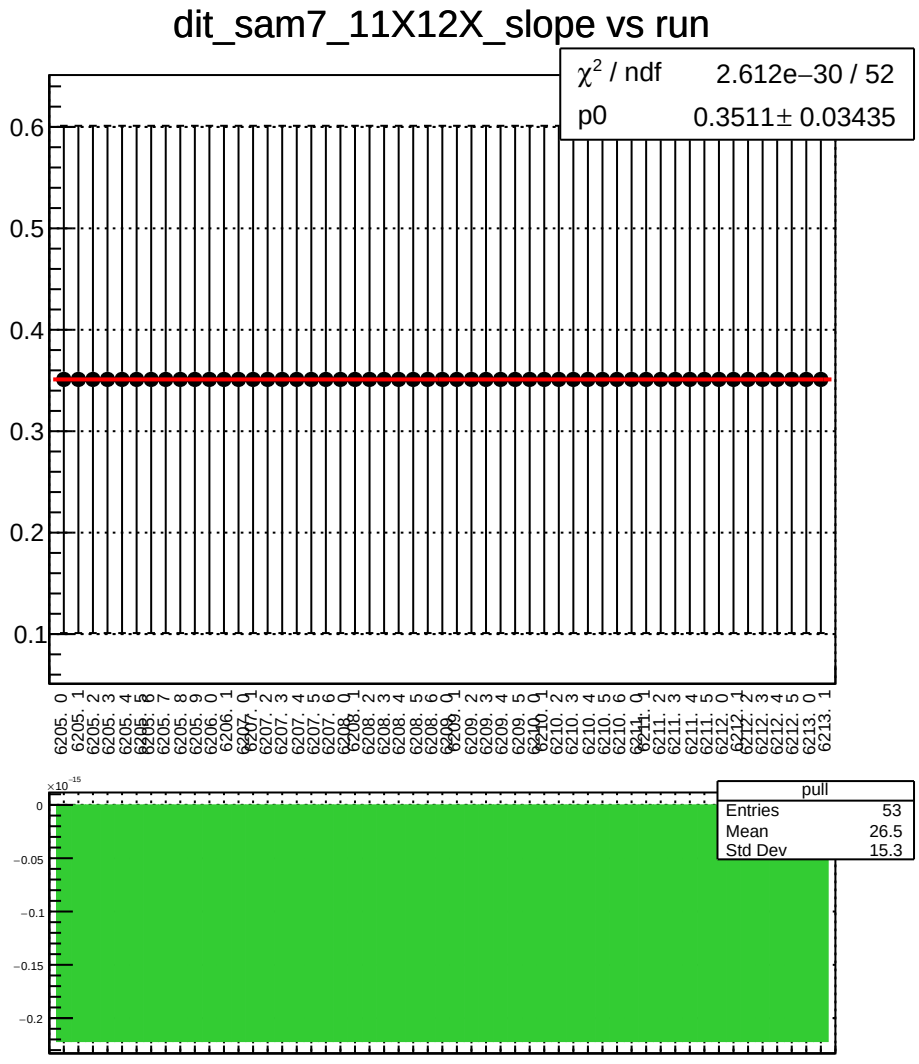

pull1D
Entries 53
Mean −5.668e−14
Std Dev1.986e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

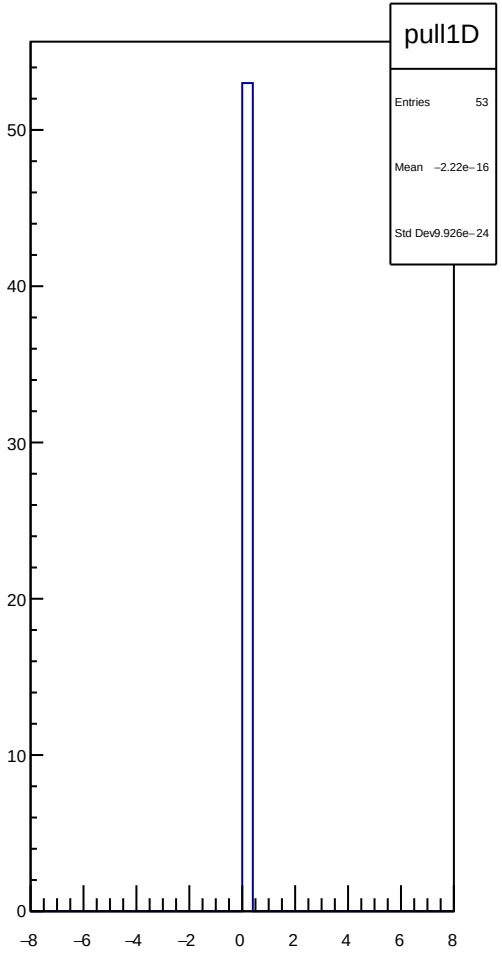

dit_sam7_4aX_slope vs run
χ² / ndf 9.326e−27 / 52
p0 37.33 ± 0.1472
38.5
38
37.5
37
36.5
pull
Entries 53
Mean 26.5
Std Dev 15.3
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12

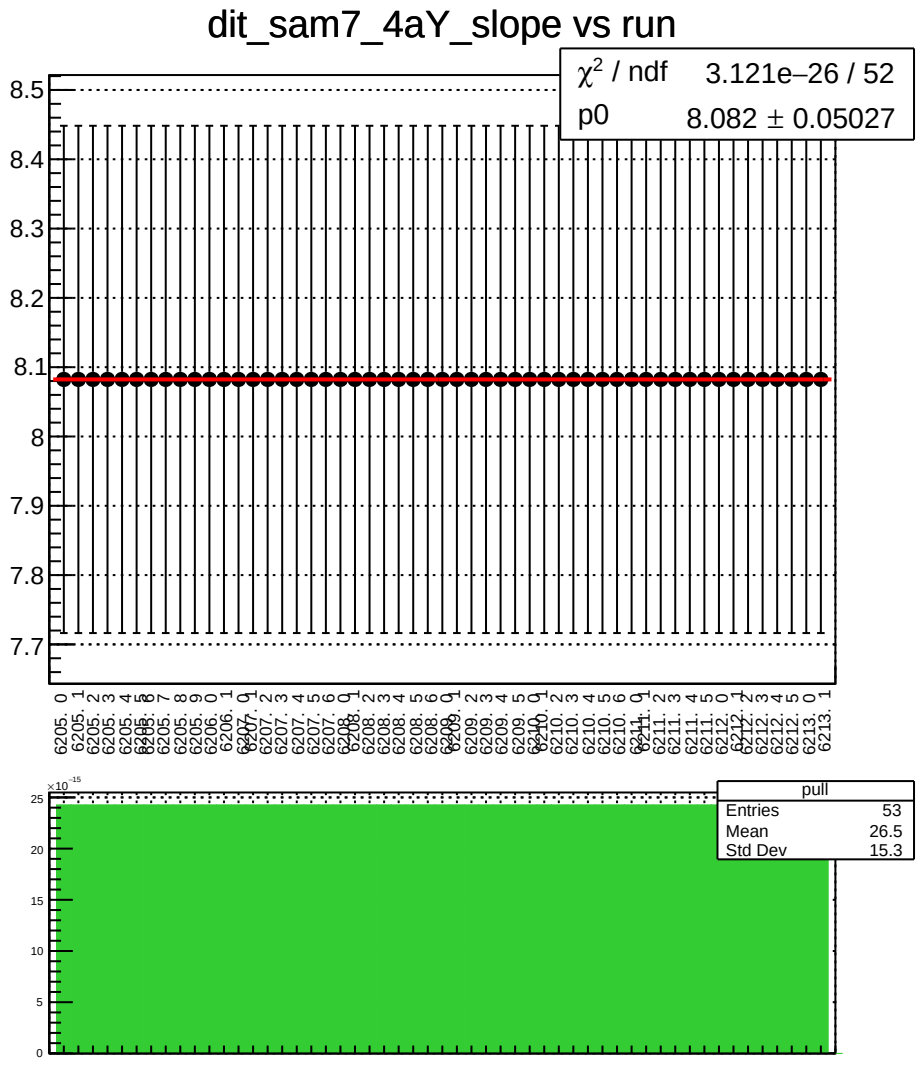

pull1D
Entries 53
Mean −1.327e−14
Std Dev 2.995e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

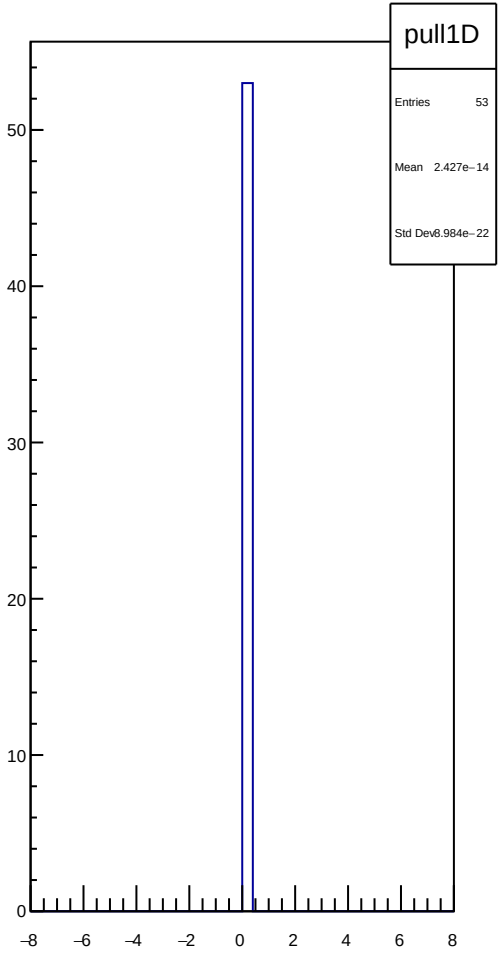

dit_sam7_4eX_slope vs run
χ² / ndf 4.74e−26 / 52
p0 −75.32 ± 0.1305
−74.2
−74.4
−74.6
−74.8
−75
−75.2
−75.4
−75.6
−75.8
−76
−76.2
−76.4
pull
Entries 53
Mean 26.5
Std Dev 15.3
×10⁻¹⁵
30
25
20
15
10
5
0

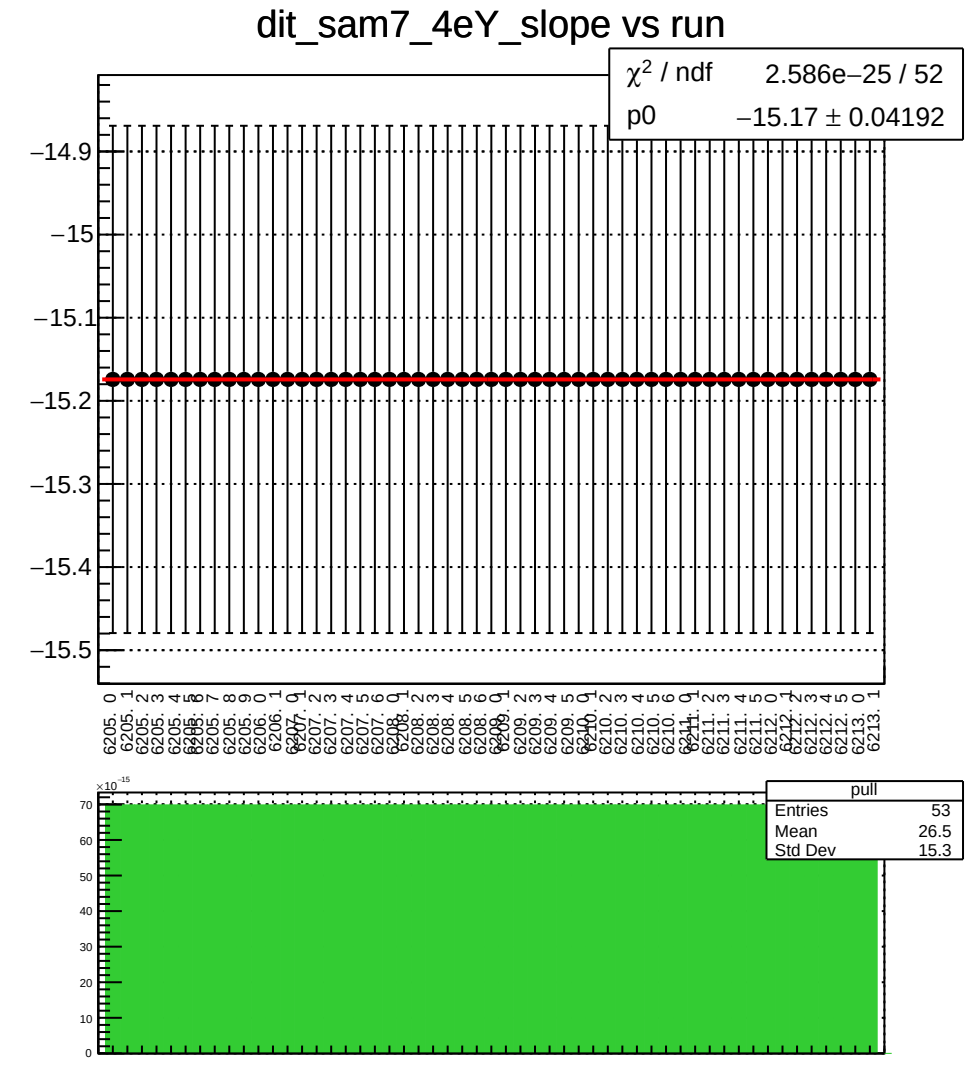

pull1D
Entries 53
Mean 2.991e−14
Std Dev1.405e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

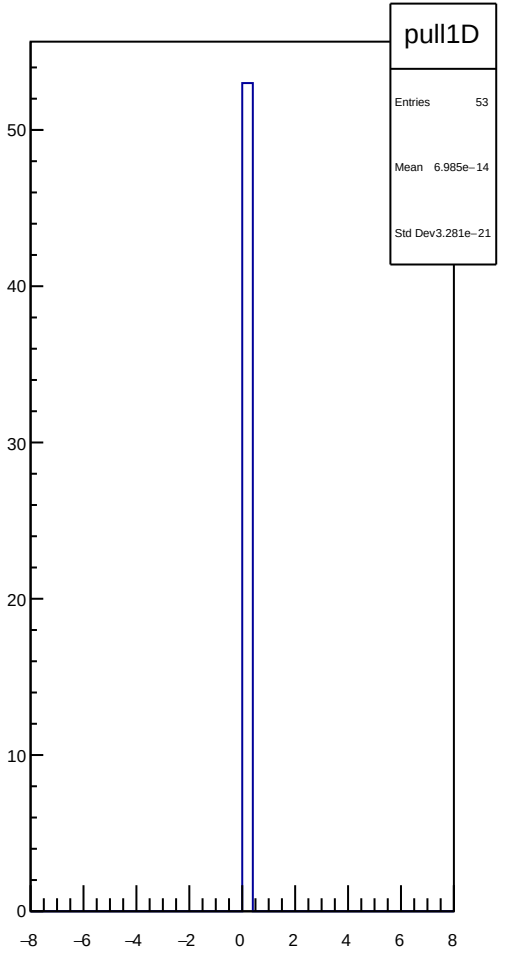

dit_sam7_11X12X_slope vs run
χ² / ndf 2.612e−30 / 52
p0 0.3511± 0.03435
pull
Entries 53
Mean 26.5
Std Dev 15.3

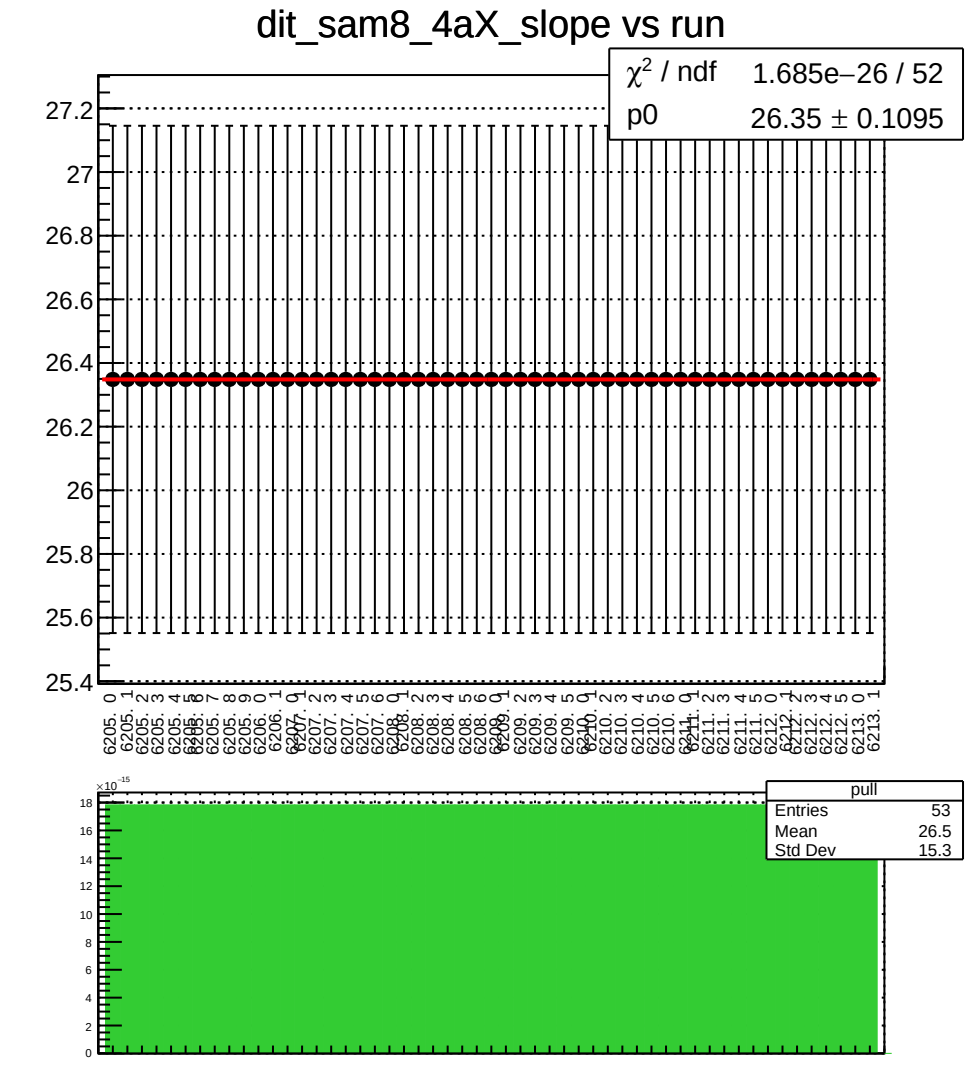

pull1D
Entries 53
Mean −2.22e−16
Std Dev 9.926e−24

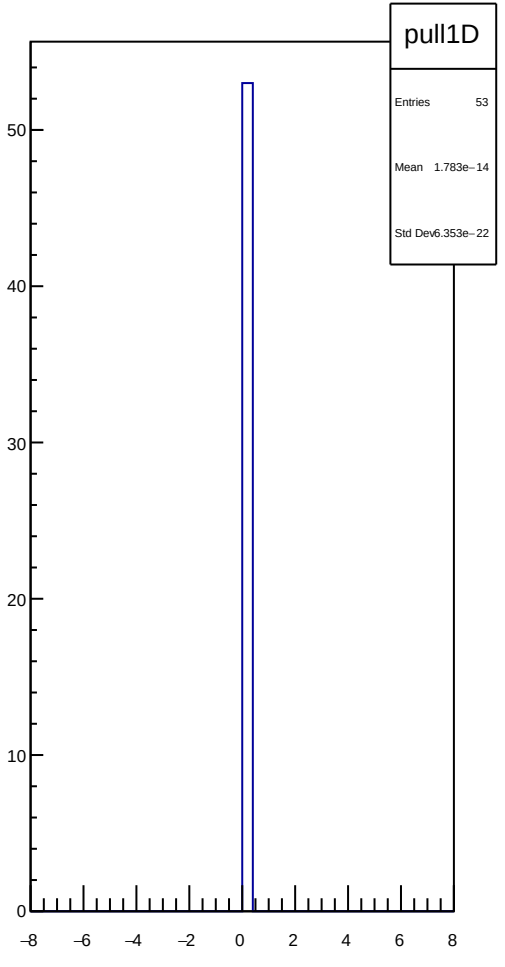

dit_sam7_4aY_slope vs run
χ² / ndf 3.121e−26 / 52
p0 8.082 ± 0.05027
pull
Entries 53
Mean 26.5
Std Dev 15.3

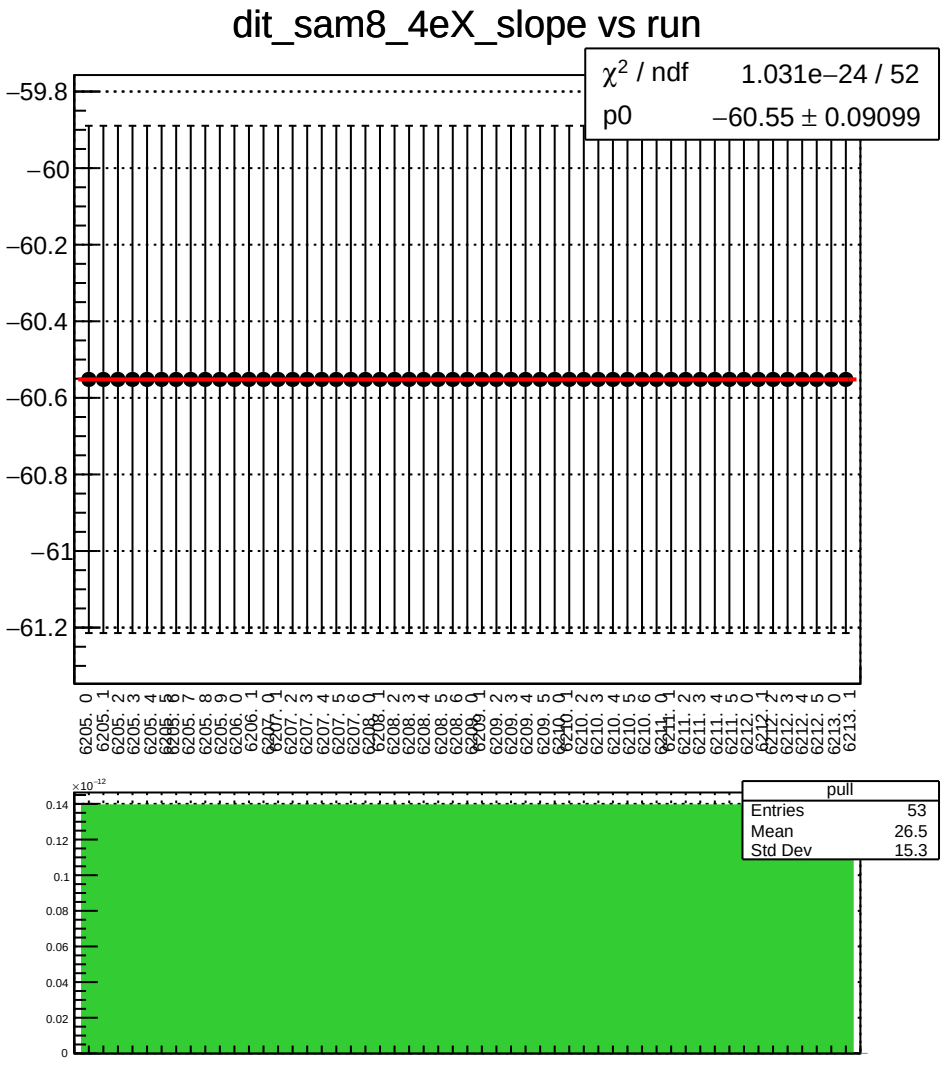

pull1D
Entries 53
Mean 2.427e−14
Std Dev 8.984e−22

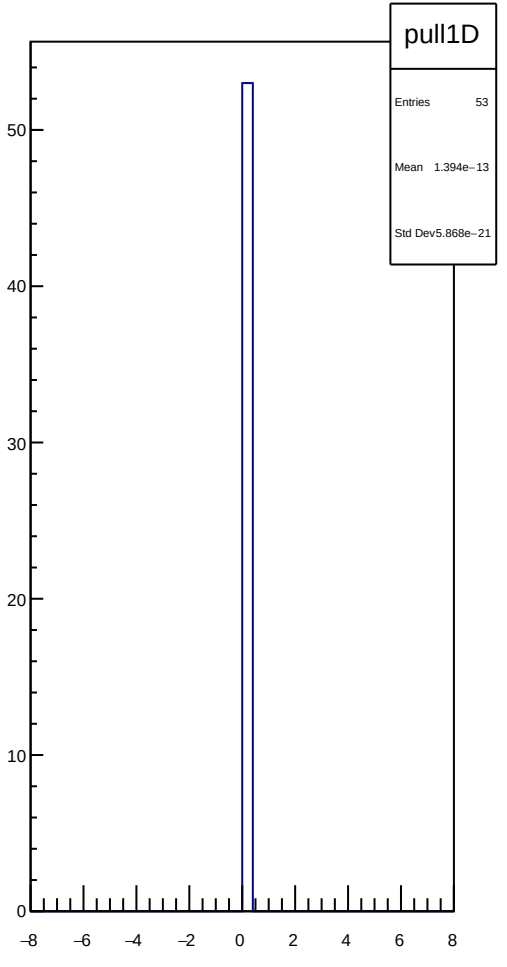

dit_sam7_4eY_slope vs run
χ² / ndf 2.586e−25 / 52
p0 −15.17 ± 0.04192
−14.9
−15
−15.1
−15.2
−15.3
−15.4
−15.5
pull
Entries 53
Mean 26.5
Std Dev 15.3
×10⁻¹⁵
70
60
50
40
30
20
10
0

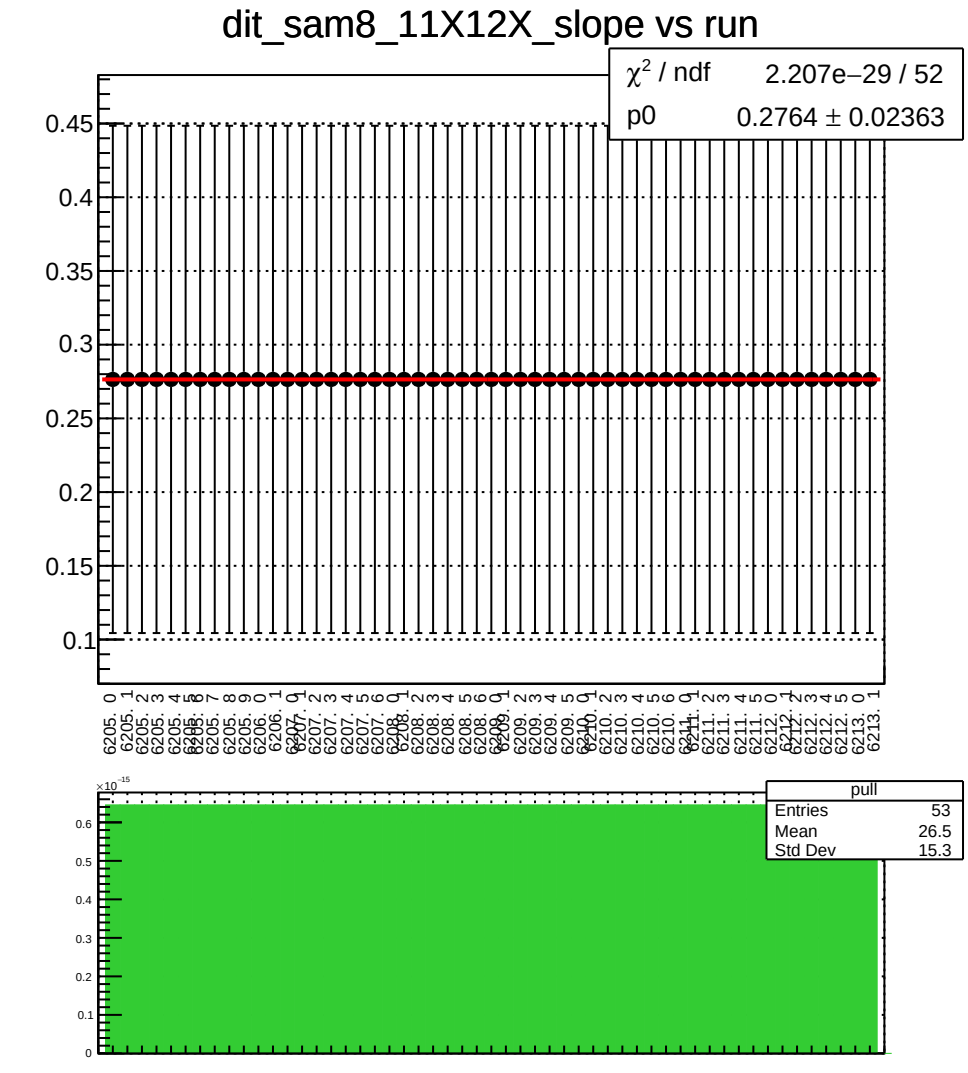

pull1D
Entries 53
Mean 6.985e−14
Std Dev3.281e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

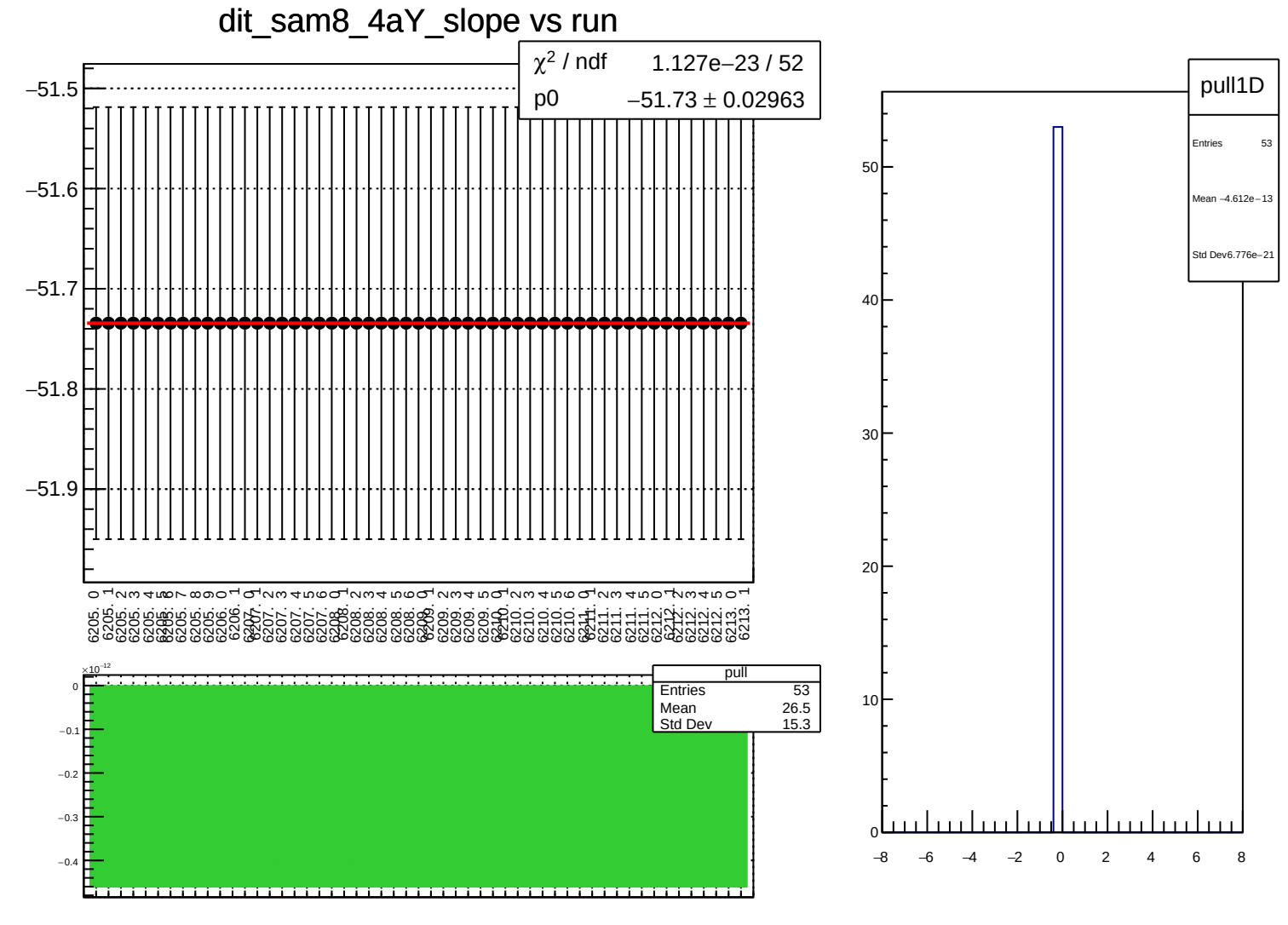

dit_sam8_4aX_slope vs run
χ² / ndf 1.685e−26 / 52
p0 26.35 ± 0.1095
pull
Entries 53
Mean 26.5
Std Dev 15.3

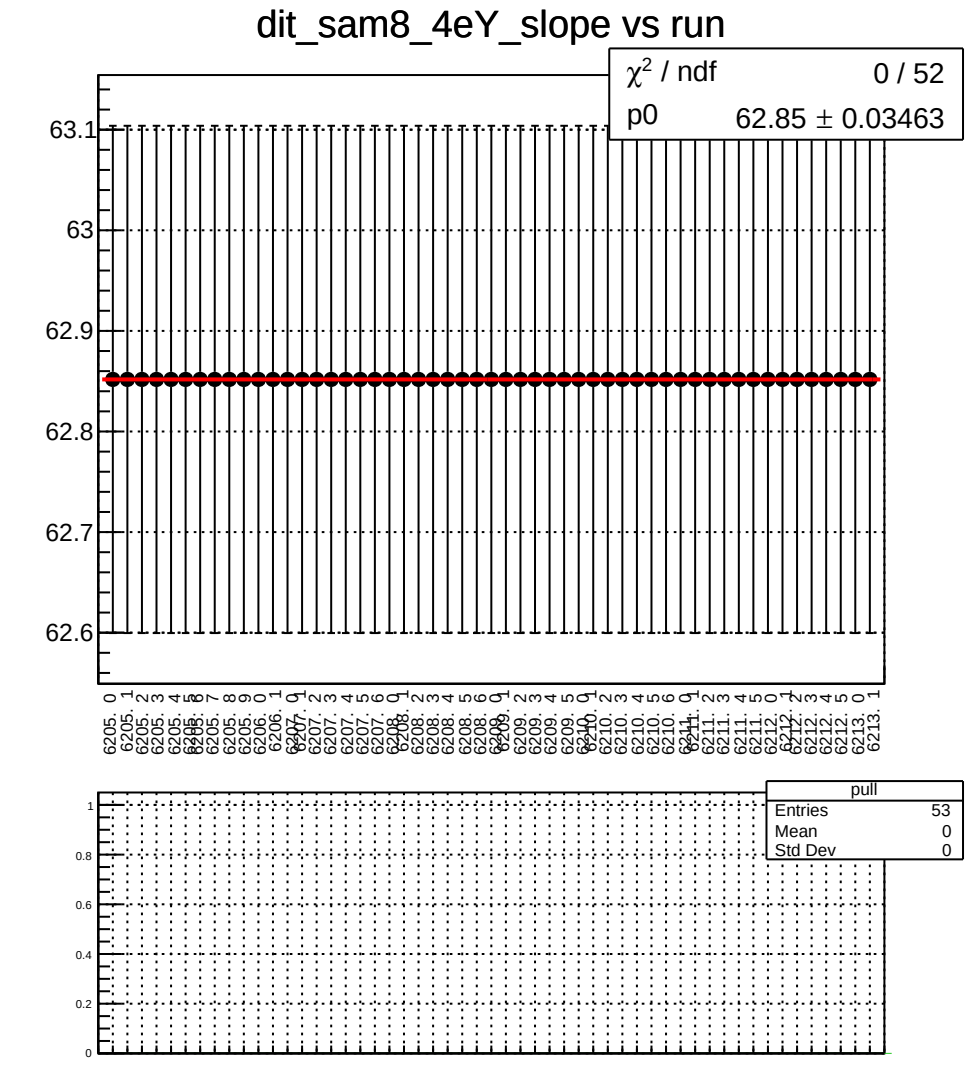

pull1D
Entries 53
Mean 1.783e−14
Std Dev 6.353e−22

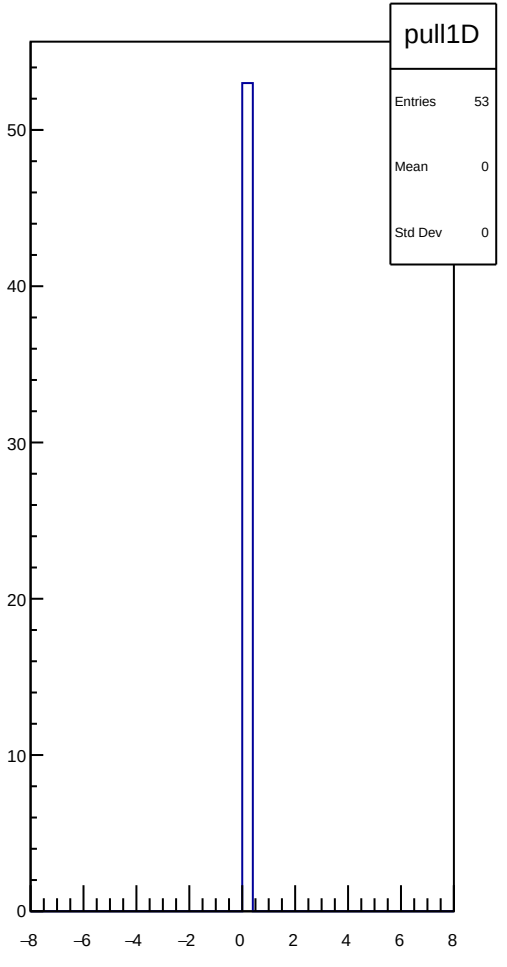

dit_sam8_4eX_slope vs run
χ² / ndf 1.031e−24 / 52
p0 −60.55 ± 0.09099
−59.8
−60
−60.2
−60.4
−60.6
−60.8
−61
−61.2
pull
Entries 53
Mean 26.5
Std Dev 15.3
×10⁻¹²
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

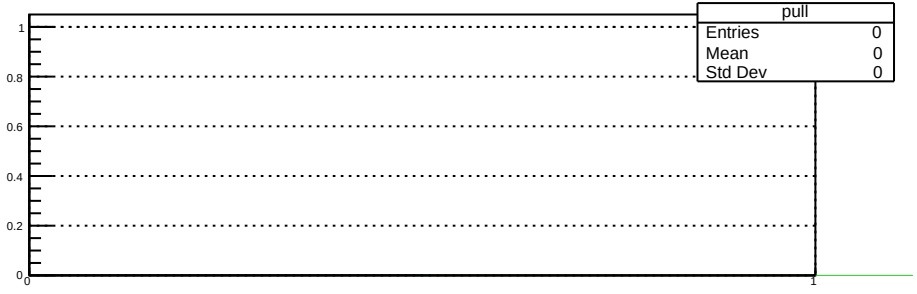

pull1D
Entries 53
Mean 1.394e−13
Std Dev5.868e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

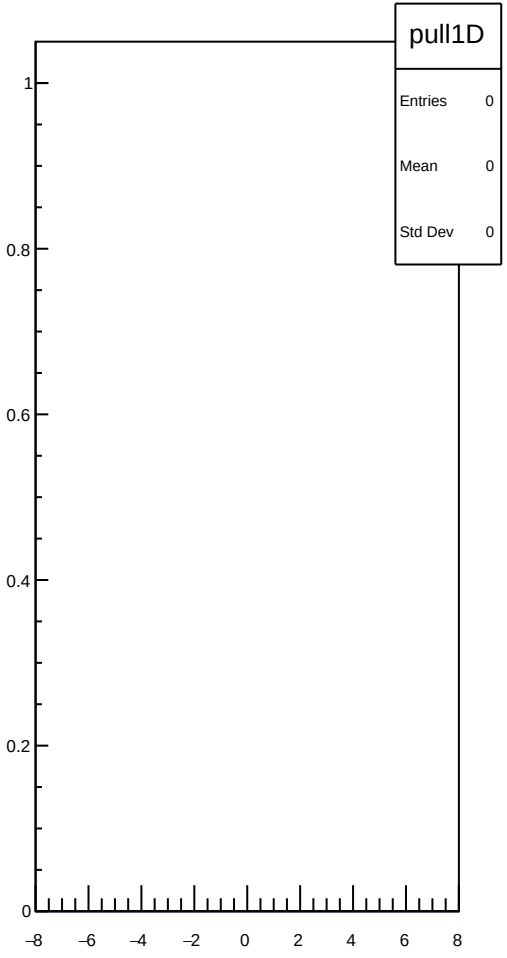

dit_sam8_11X12X_slope vs run
χ² / ndf 2.207e−29 / 52
p0 0.2764 ± 0.02363
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
pull
Entries 53
Mean 26.5
Std Dev 15.3
×10⁻¹⁵
0.6
0.5
0.4
0.3
0.2
0.1
0
pull1D
Entries 53
Mean 6.453e−16
Std Dev 2.959e−23
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

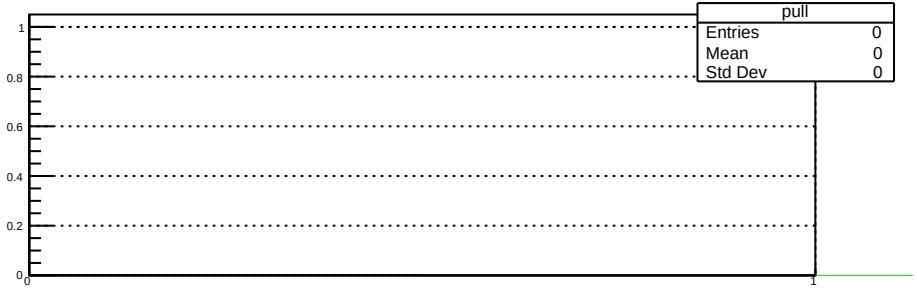

dit_sam8_4aY_slope vs run
χ² / ndf 1.127e−23 / 52
p0 −51.73 ± 0.02963
−51.5
−51.6
−51.7
−51.8
−51.9
pull
Entries 53
Mean 26.5
Std Dev 15.3
×10⁻¹²
pull1D
Entries 53
Mean −4.612e−13
Std Dev6.776e−21

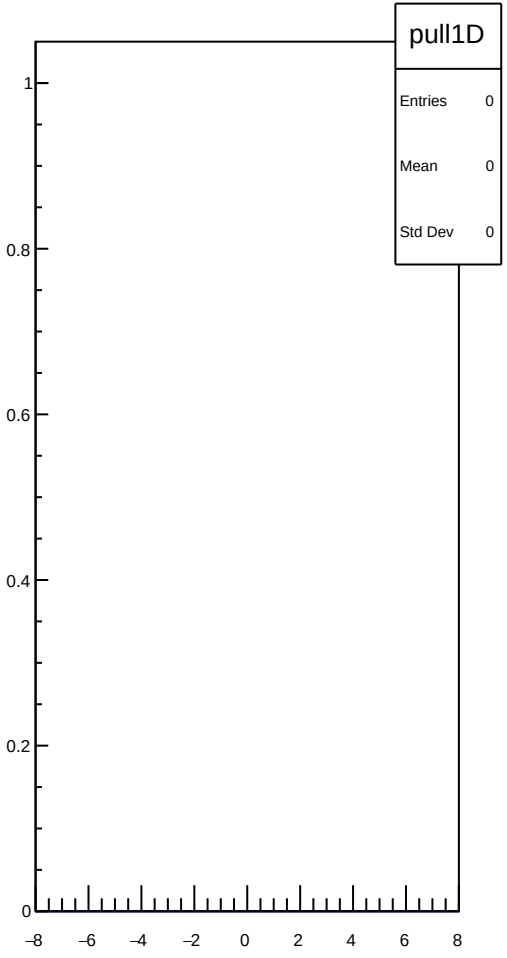

dit_sam8_4eY_slope vs run
χ² / ndf 0 / 52
p0 62.85 ± 0.03463
63.1
63
62.9
62.8
62.7
62.6
pull
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

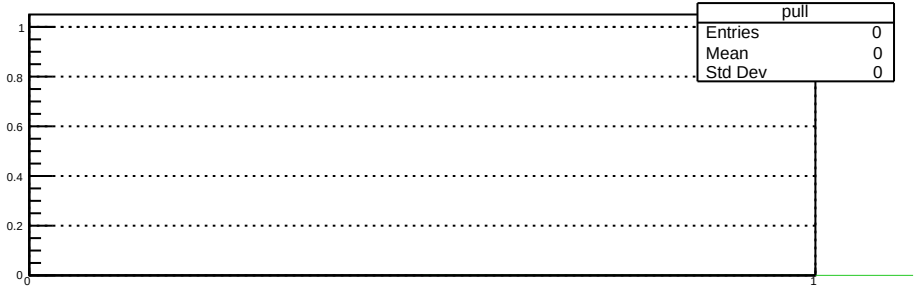

pull1D
Entries 53
Mean 0
Std Dev 0
50
40
30
20
10
0
–8
–6
–4
–2
0
2
4
6
8


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


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


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


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


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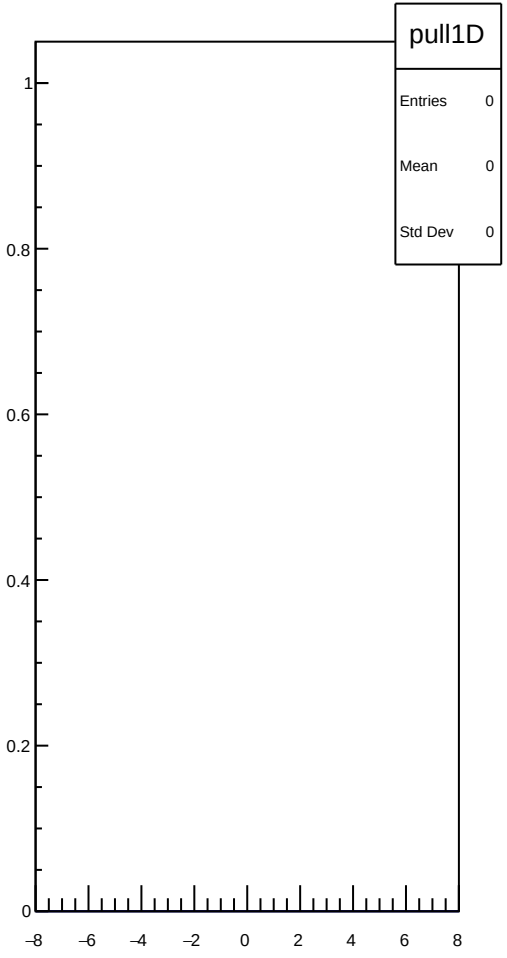
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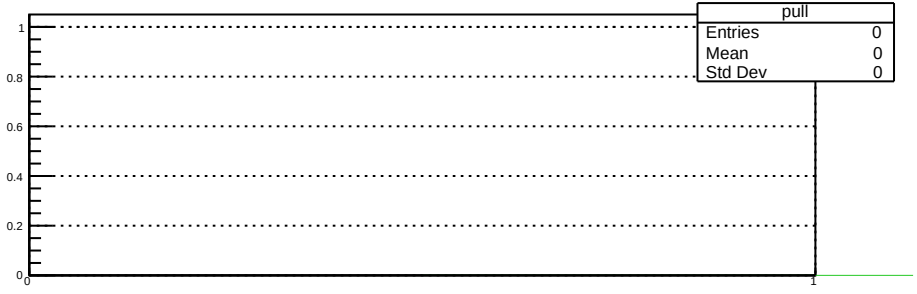
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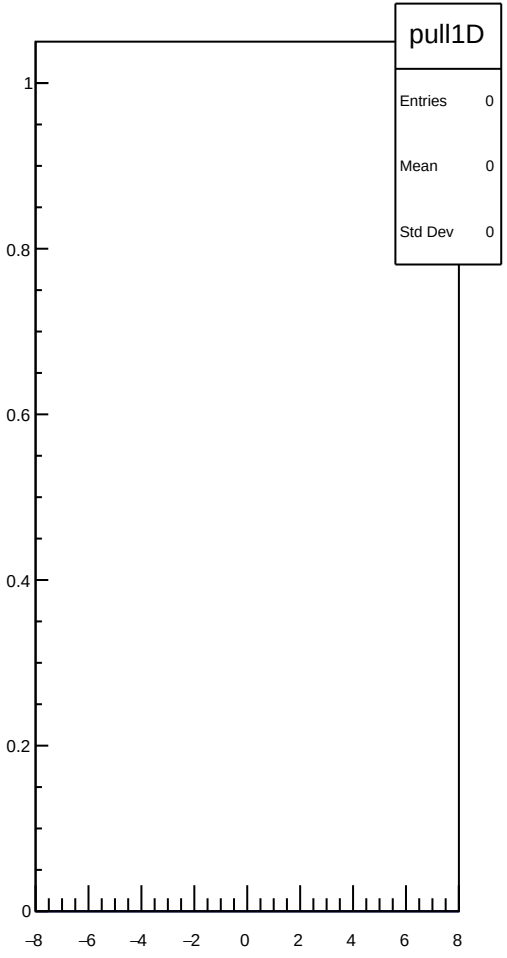
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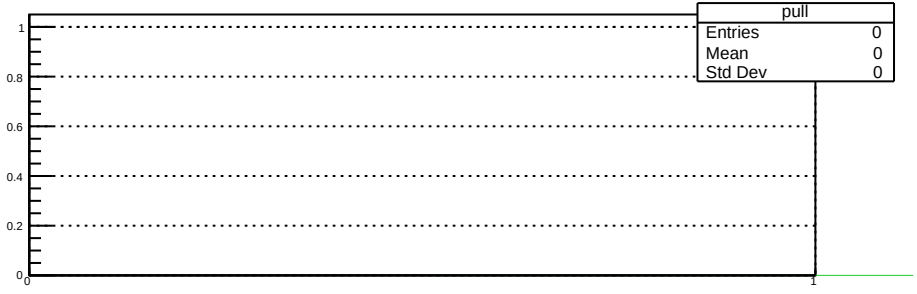
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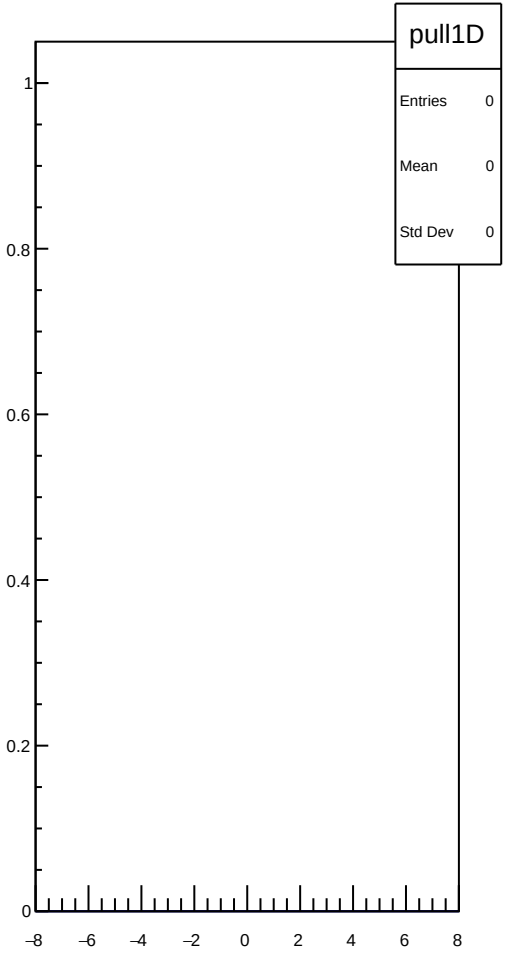
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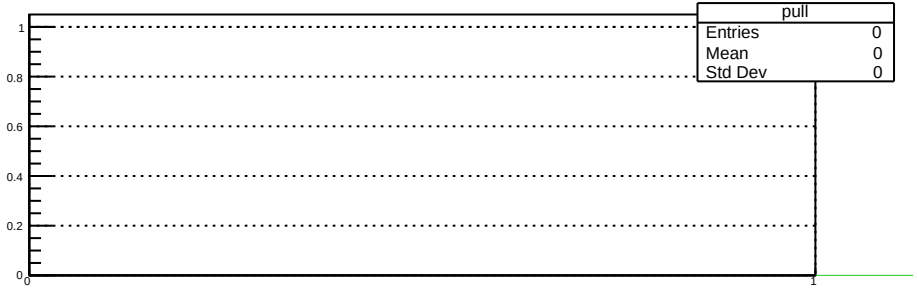
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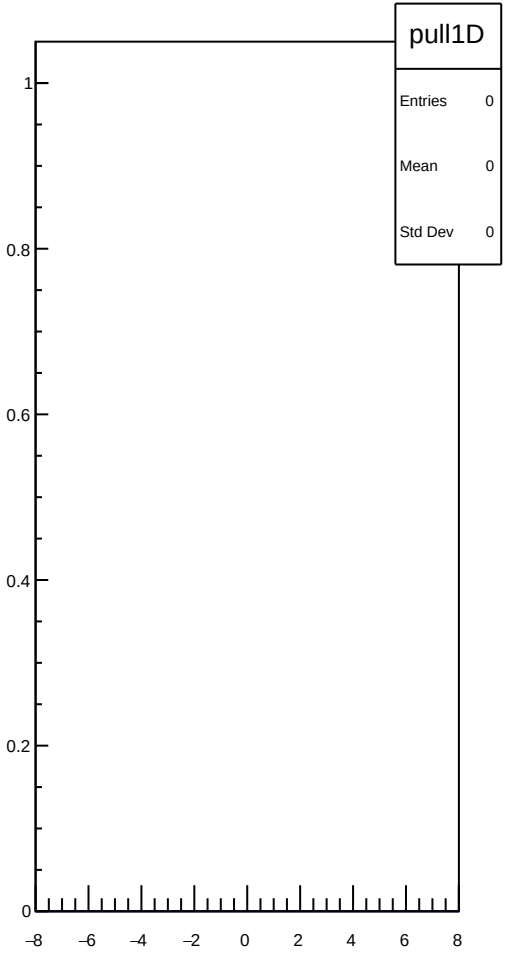
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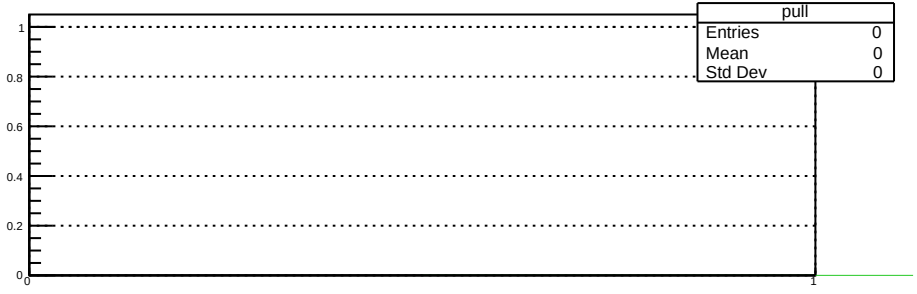
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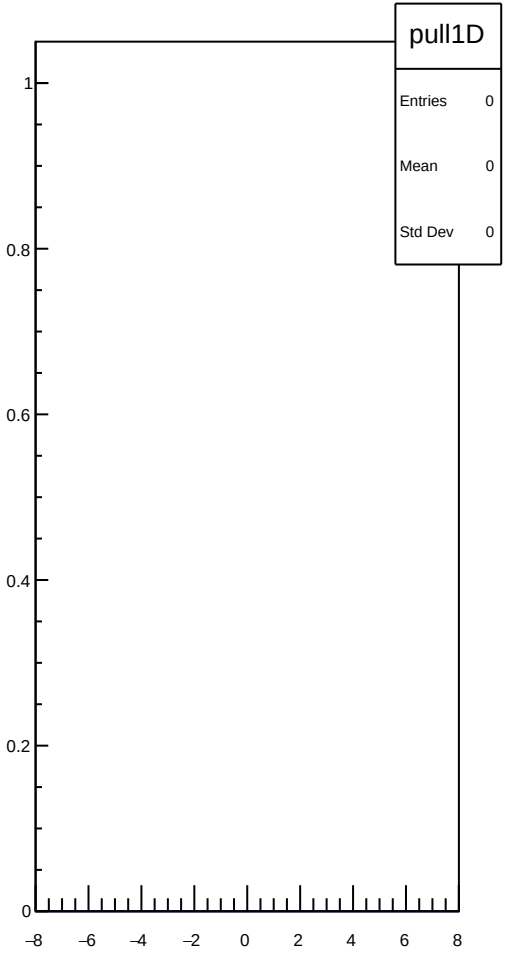
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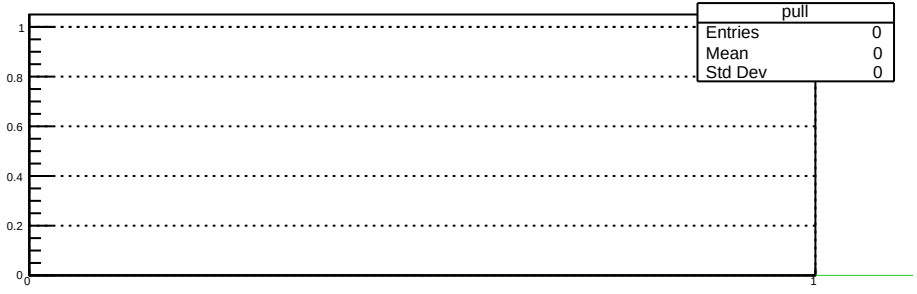
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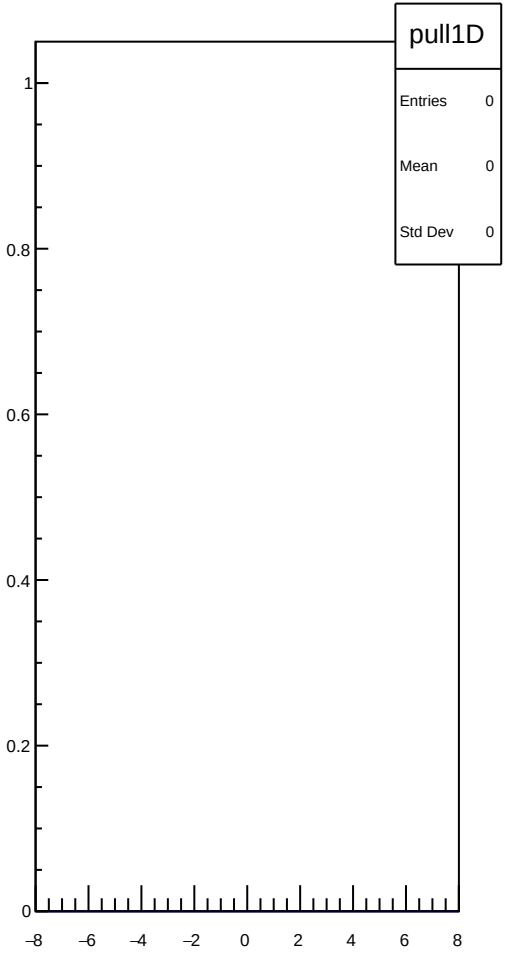
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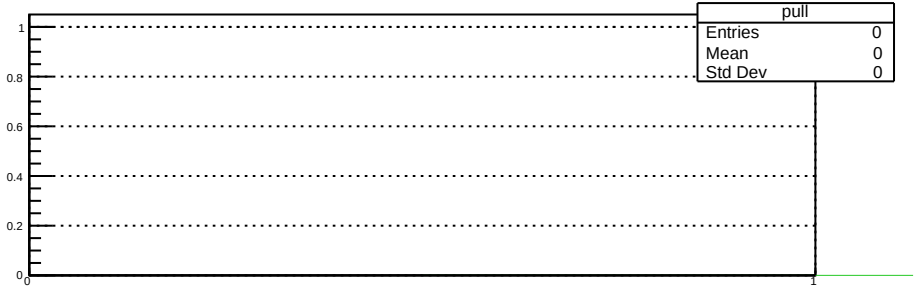
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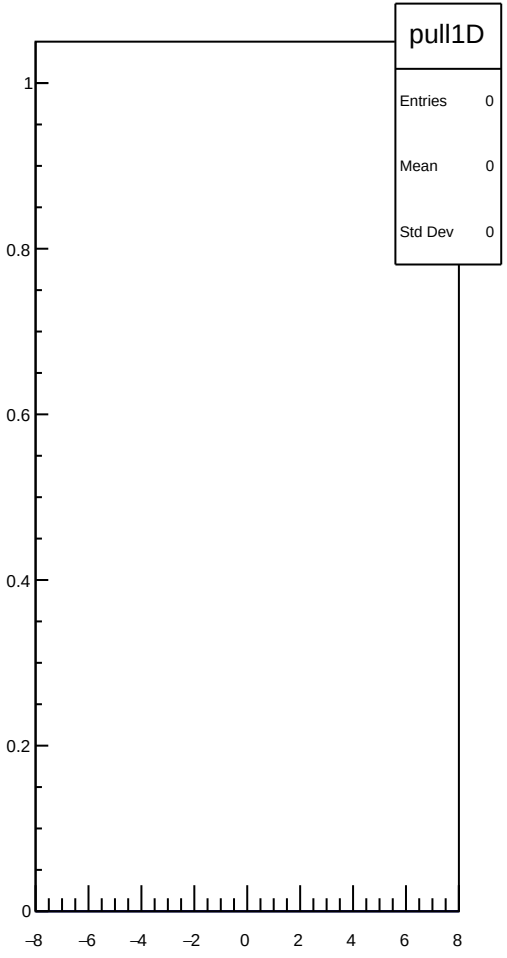
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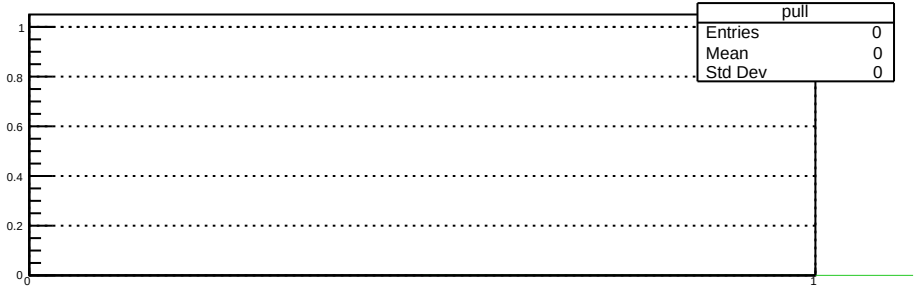
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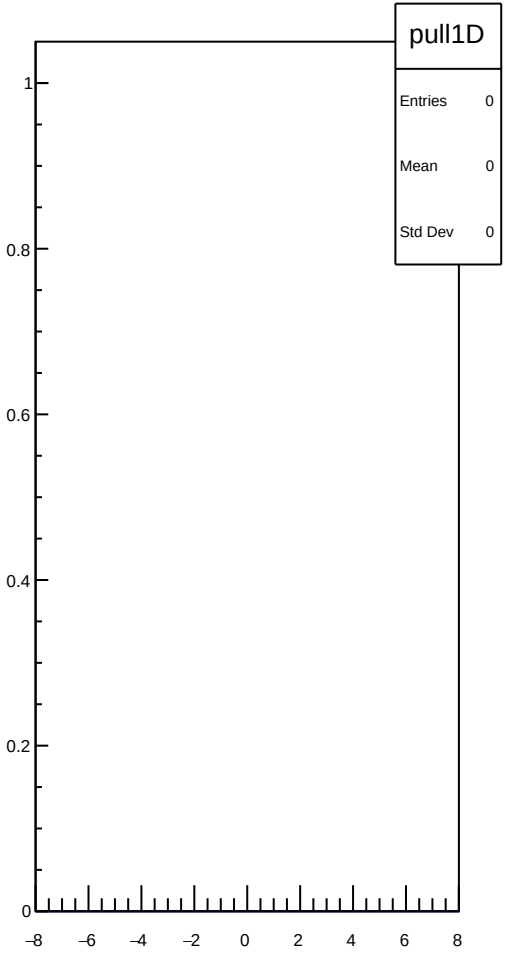
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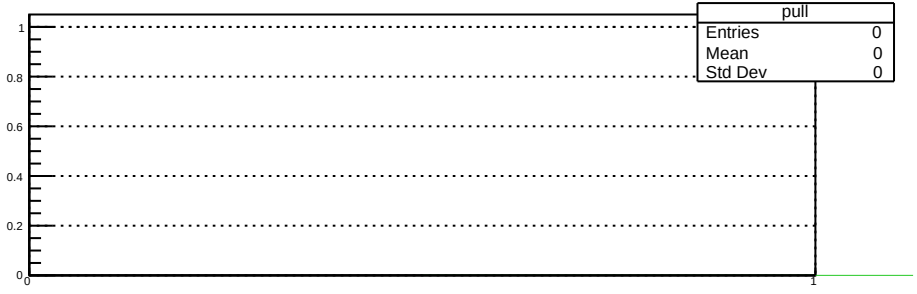
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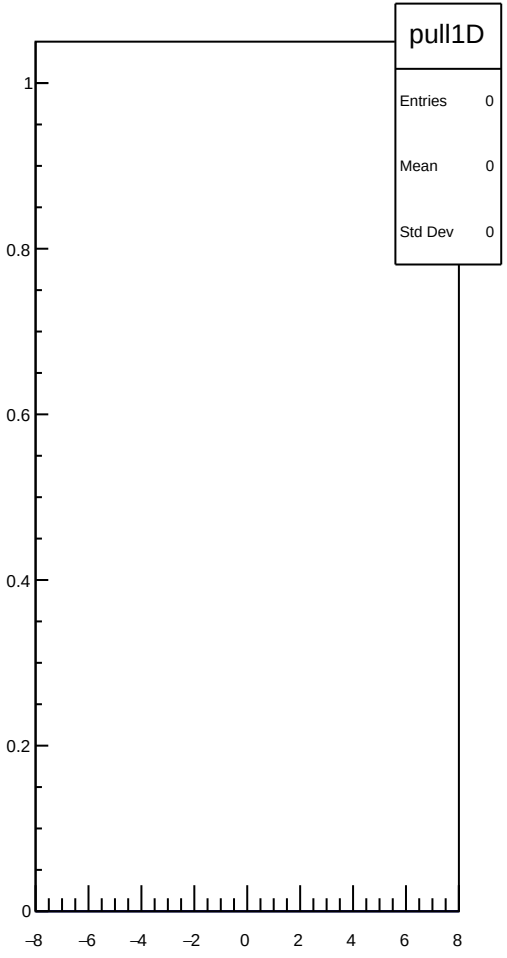
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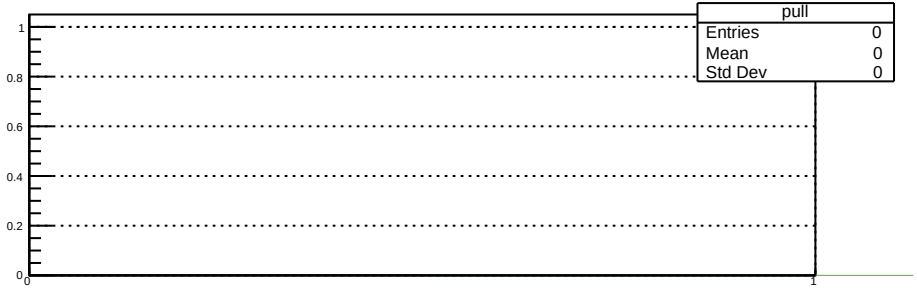
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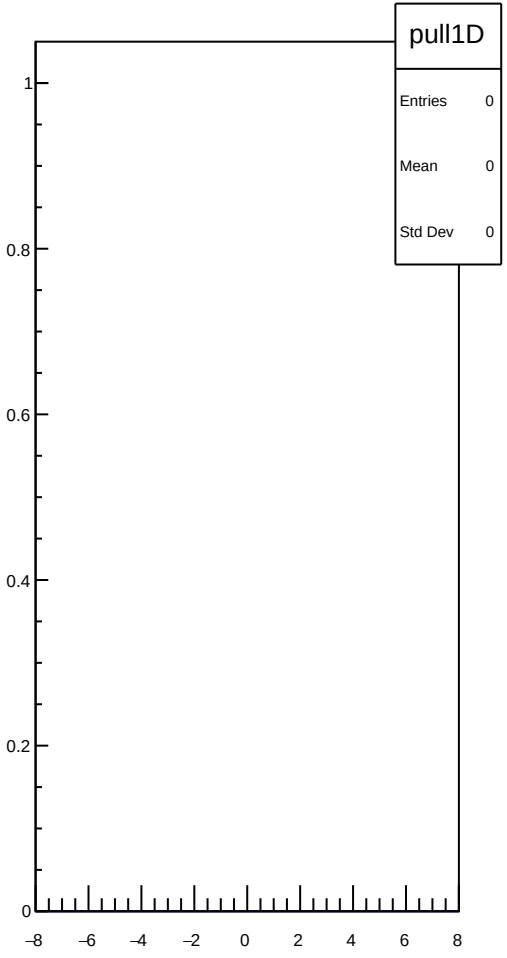
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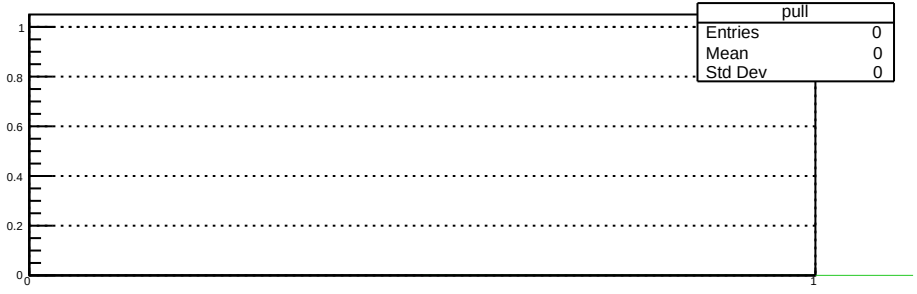
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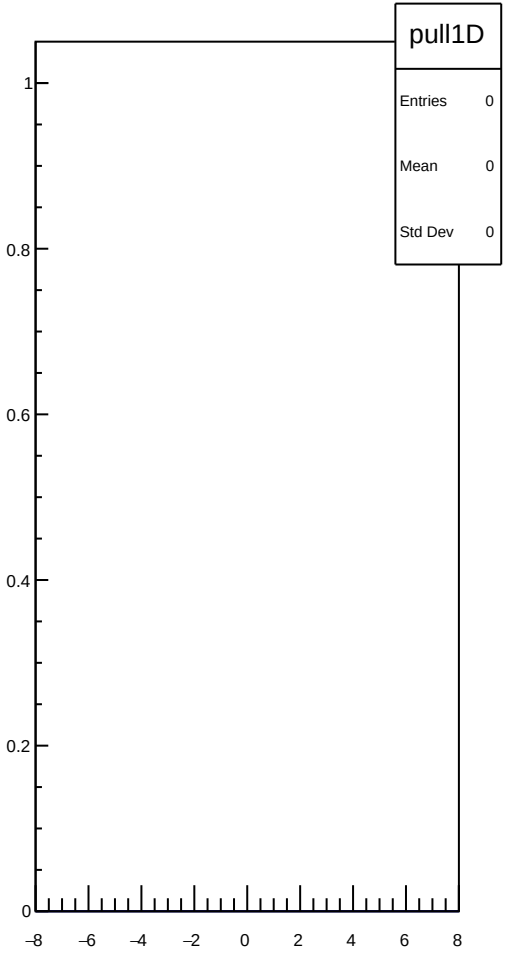
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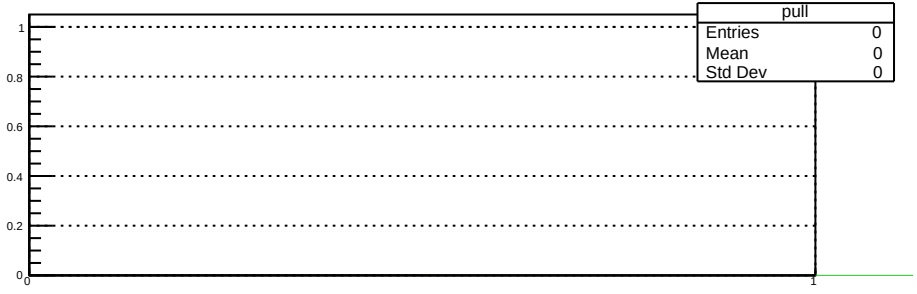
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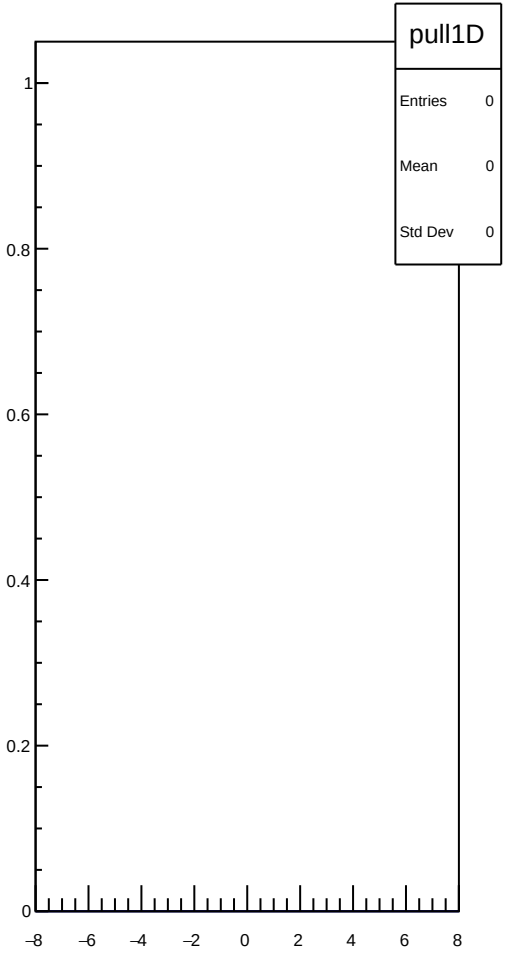
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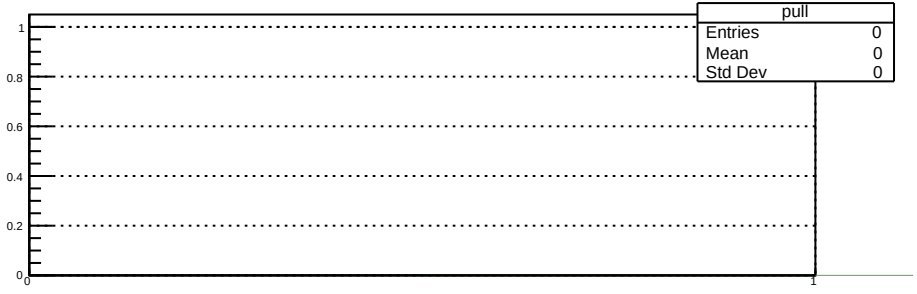
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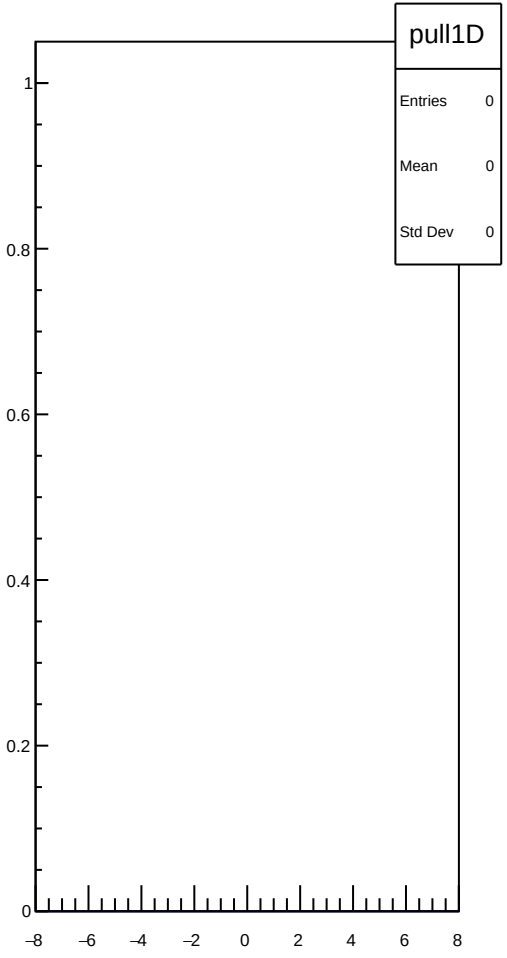
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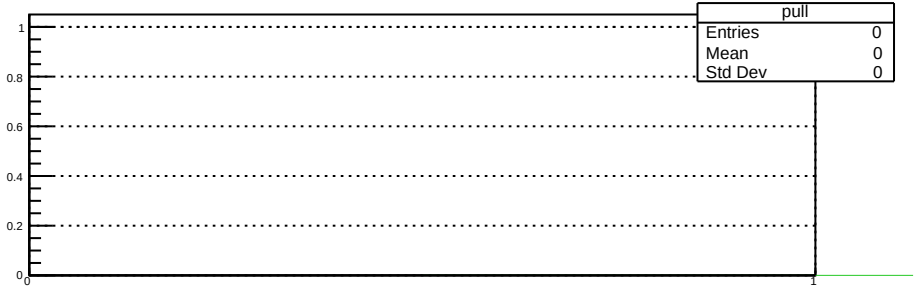
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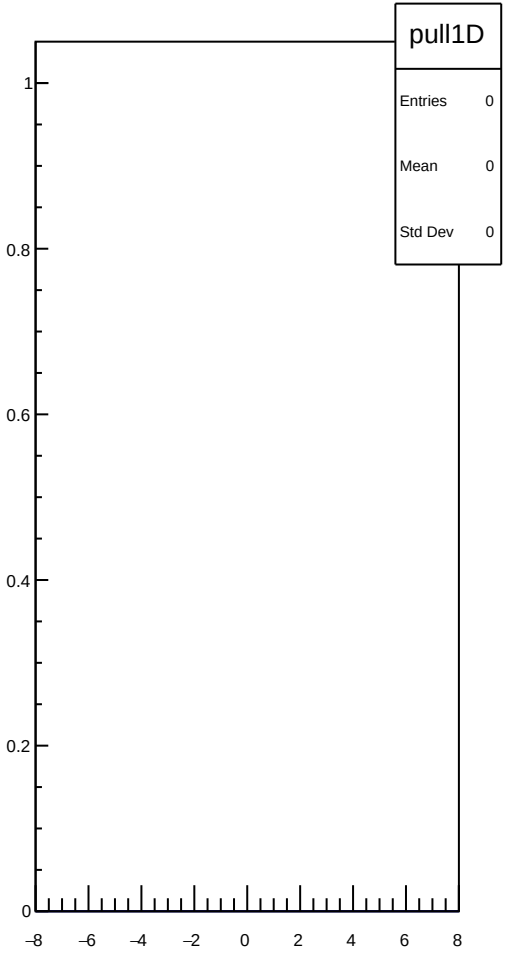
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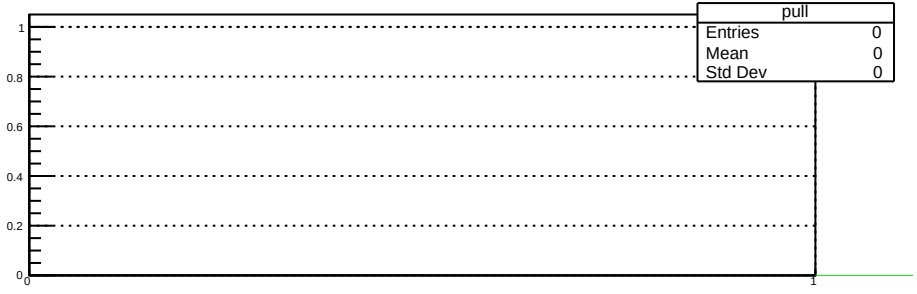
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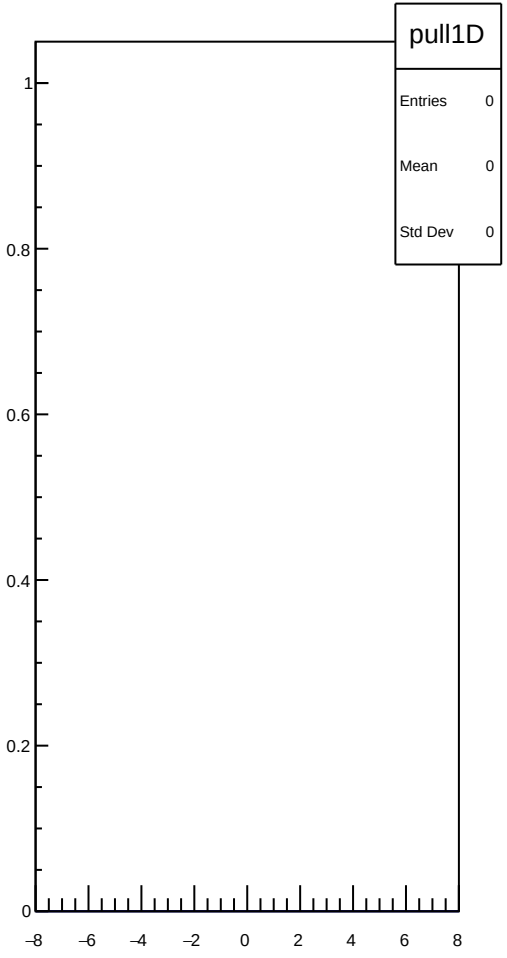
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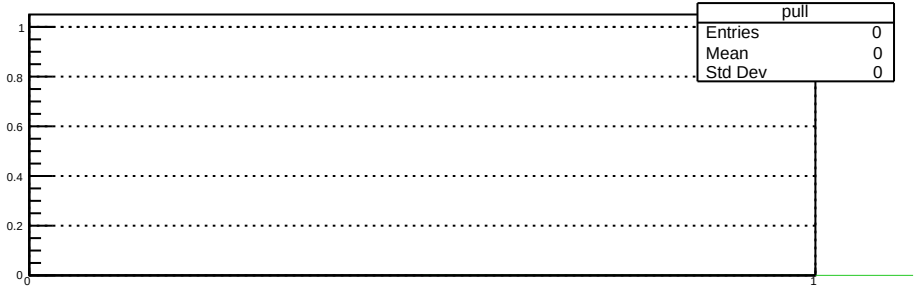
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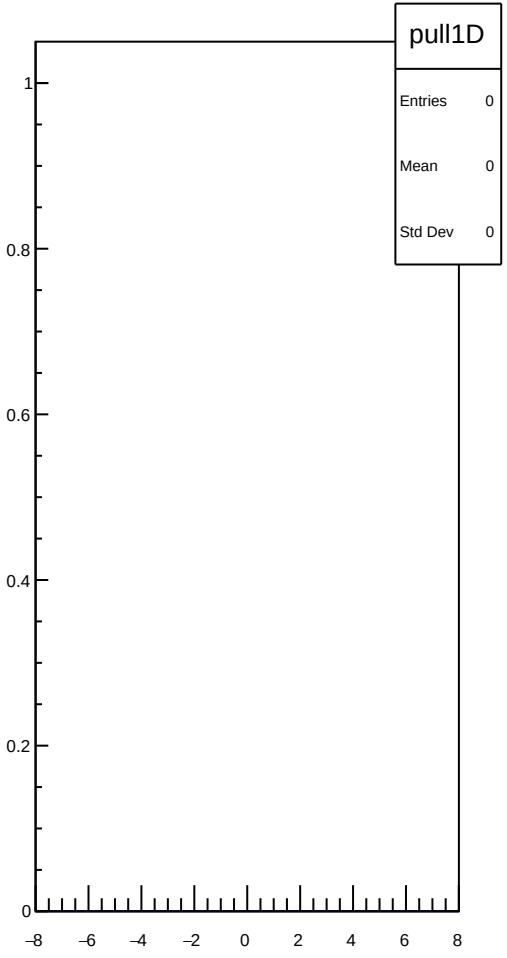
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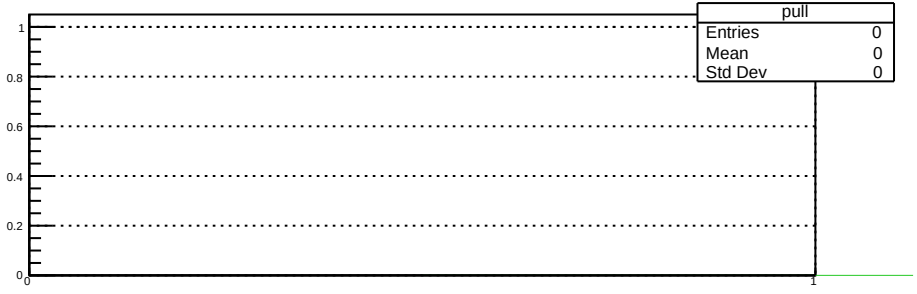
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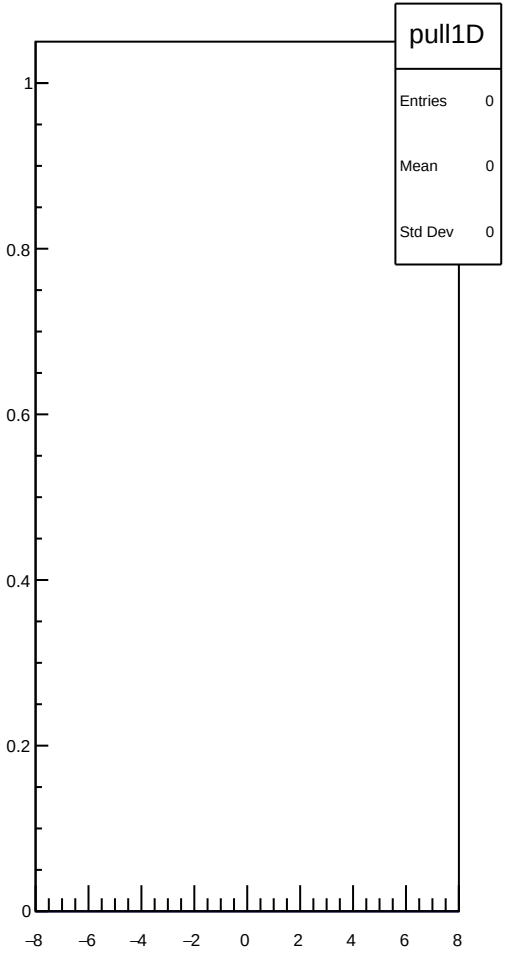
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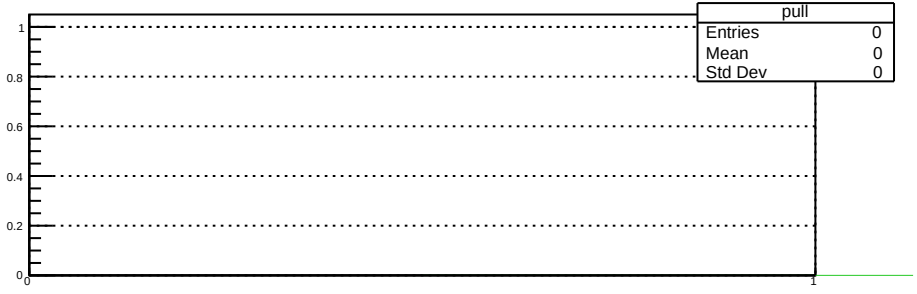
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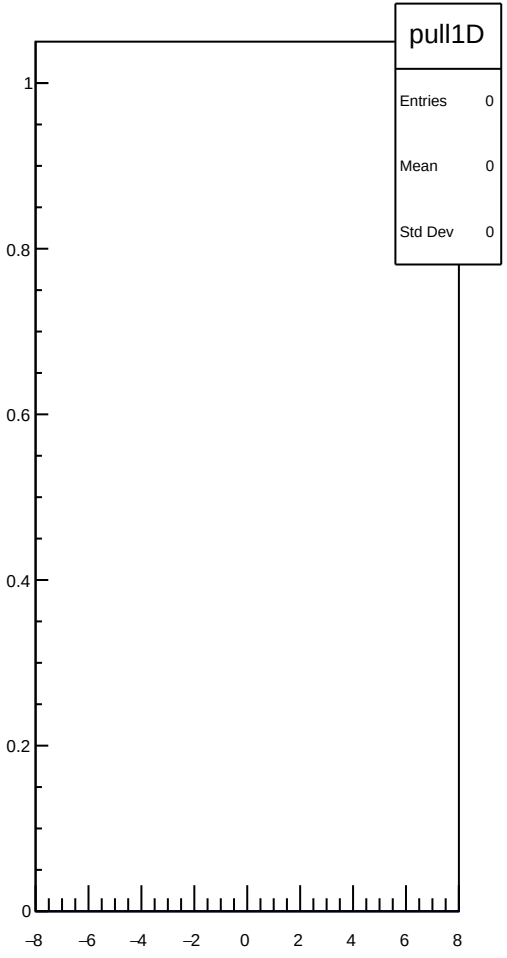
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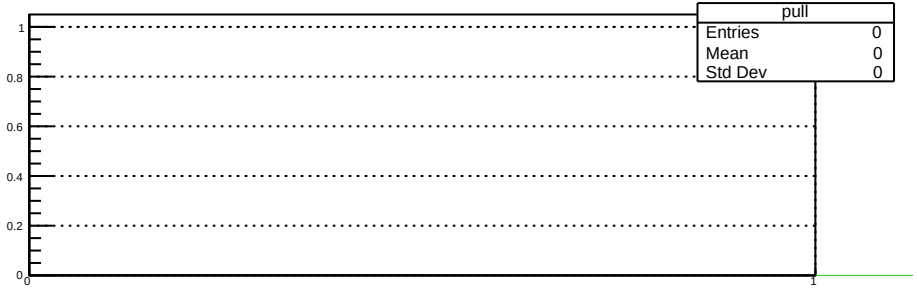
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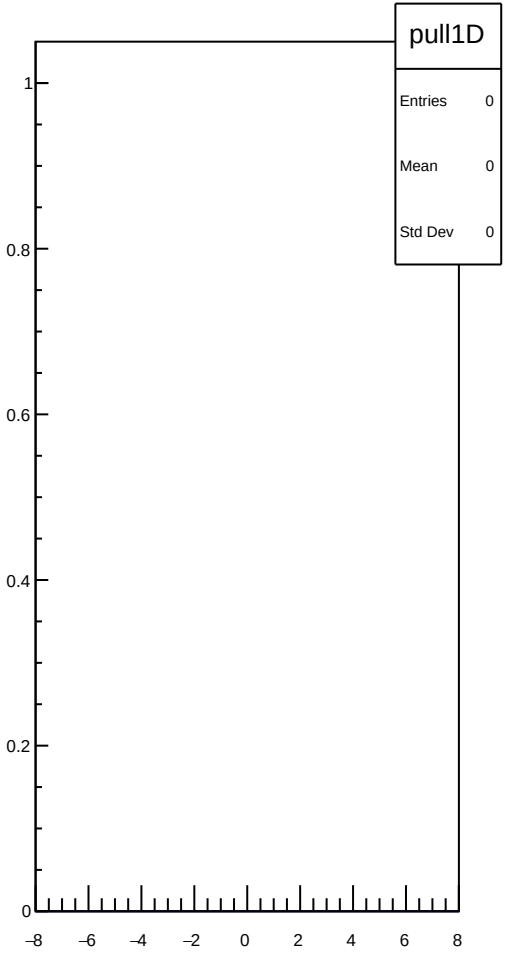
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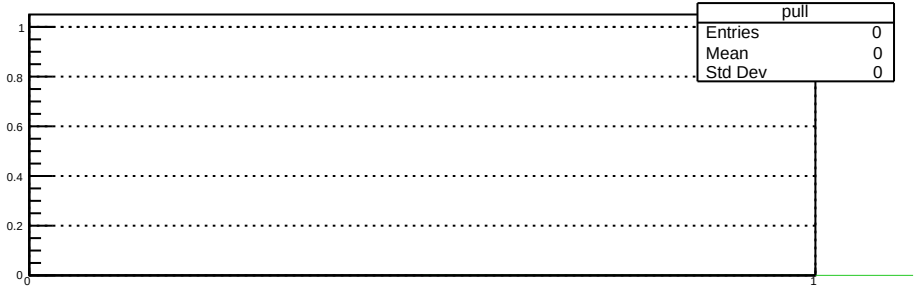
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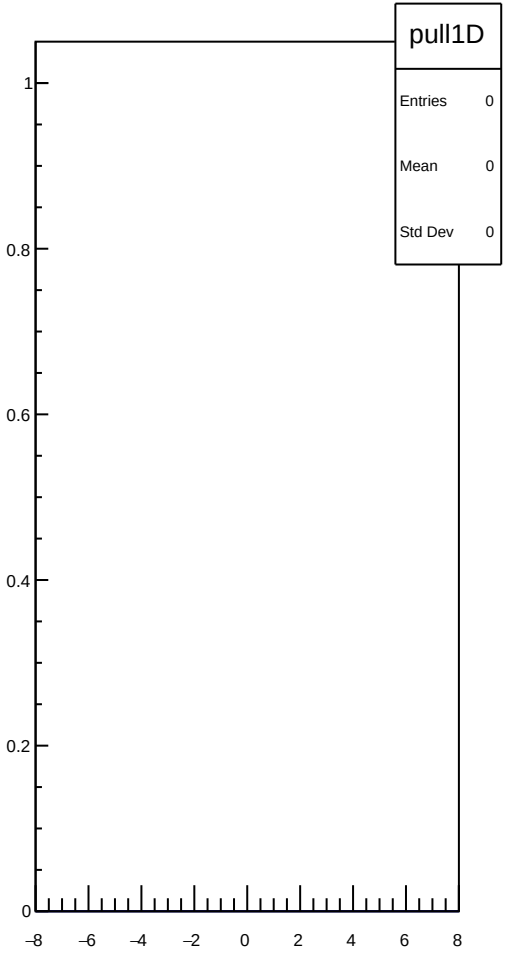
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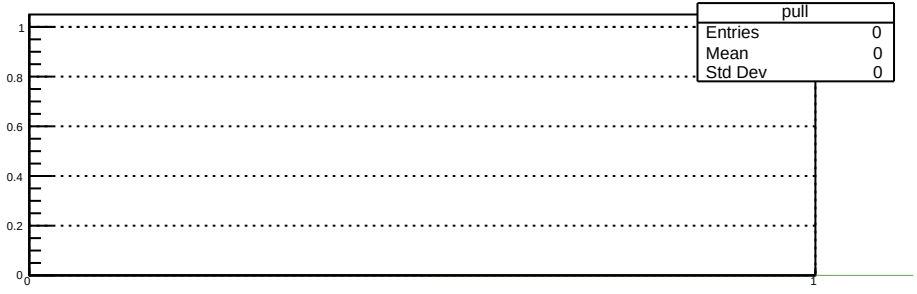
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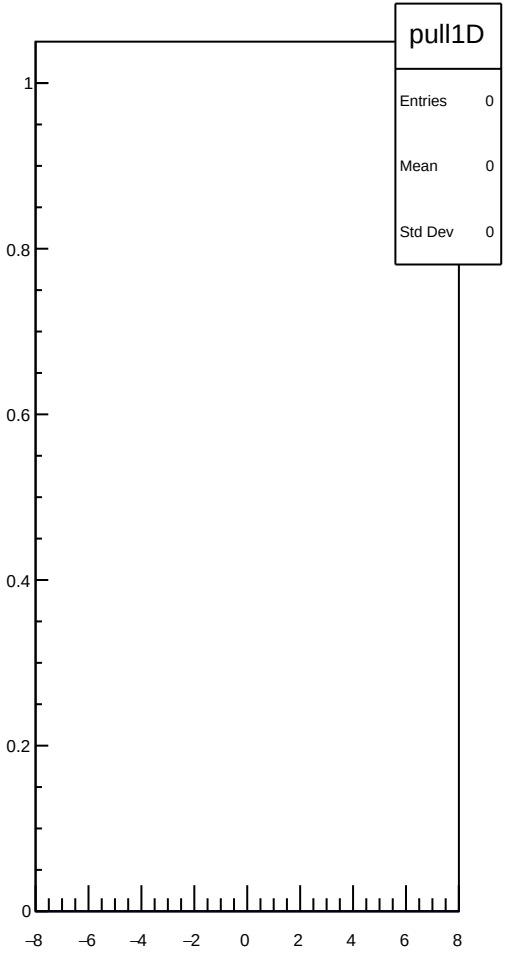
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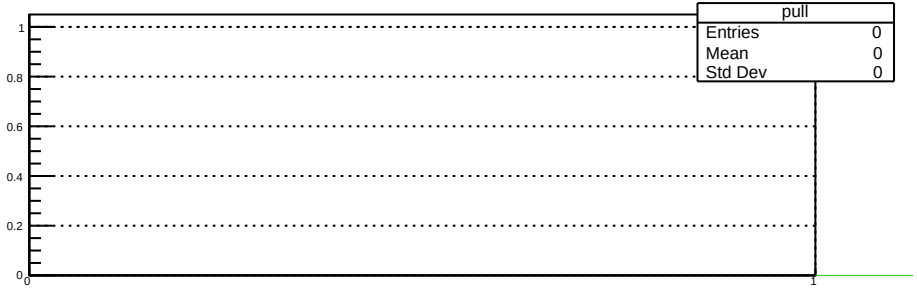
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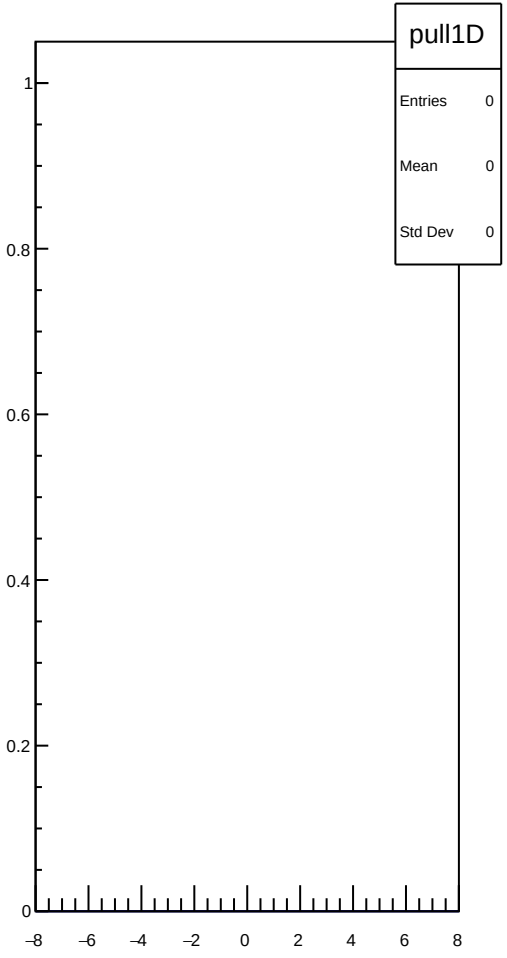
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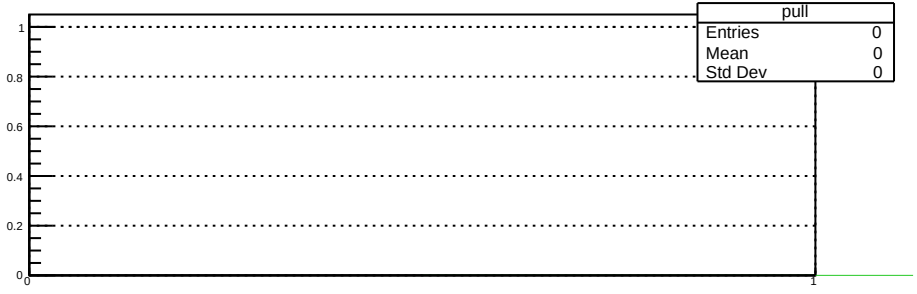
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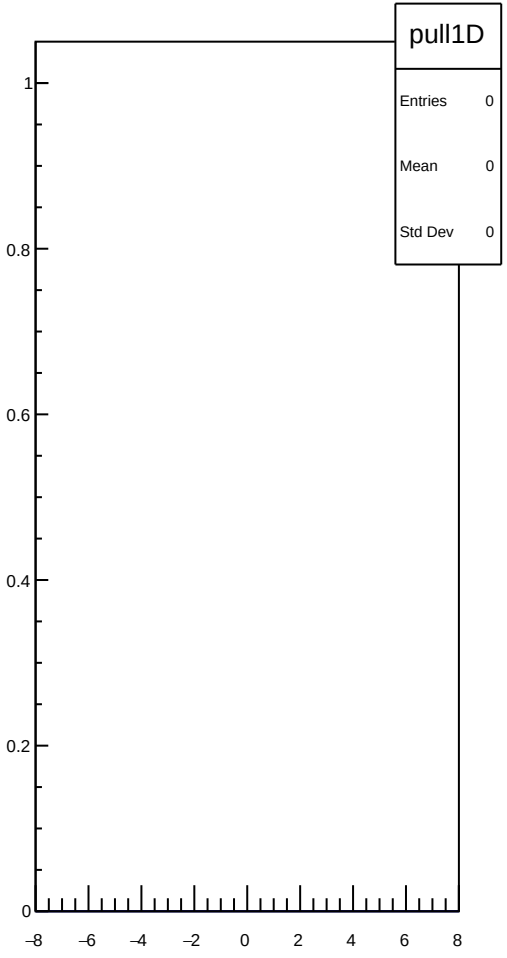
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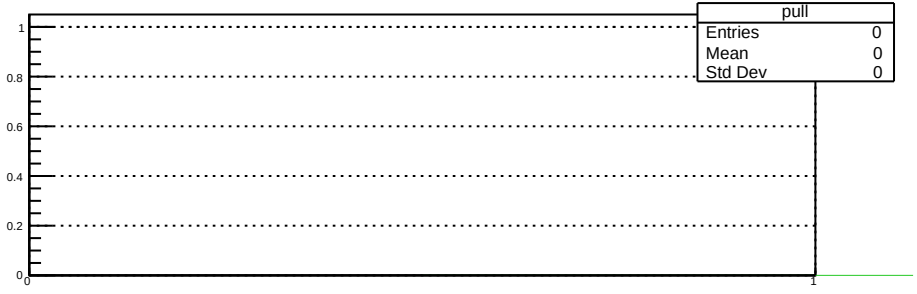
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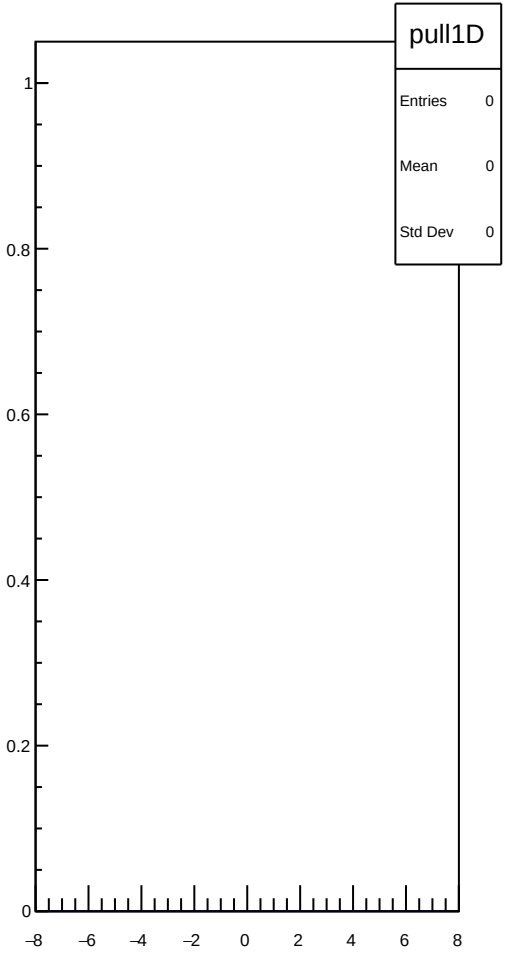
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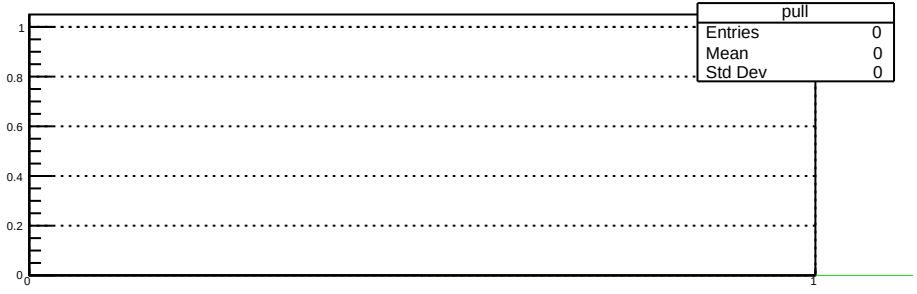
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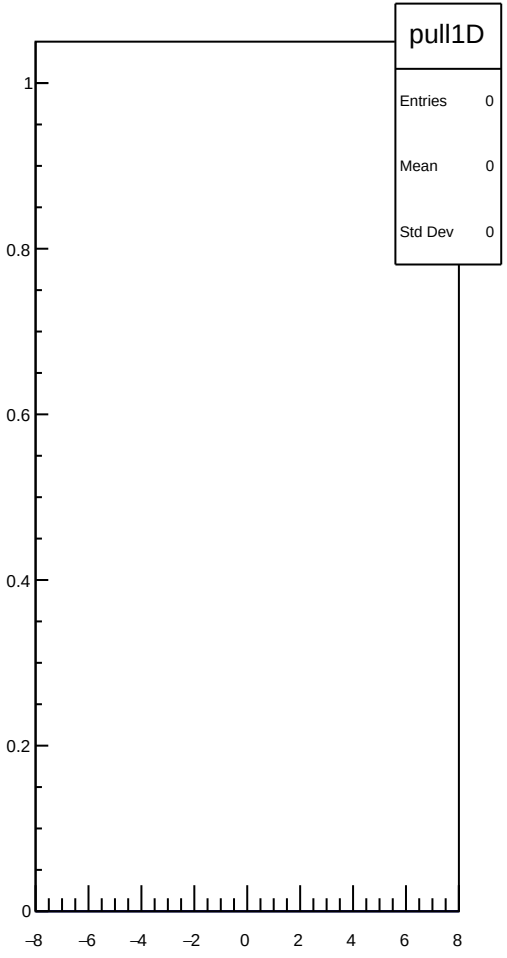
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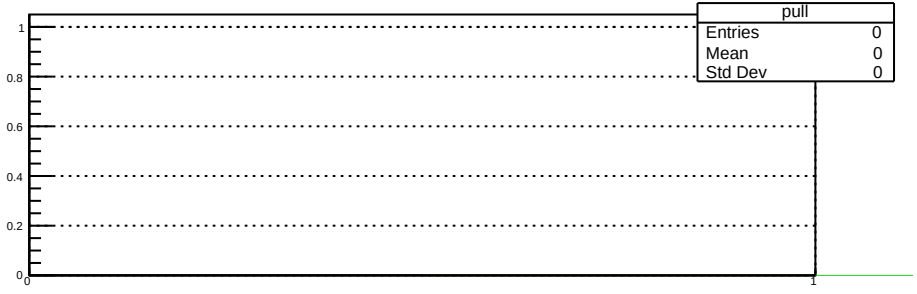
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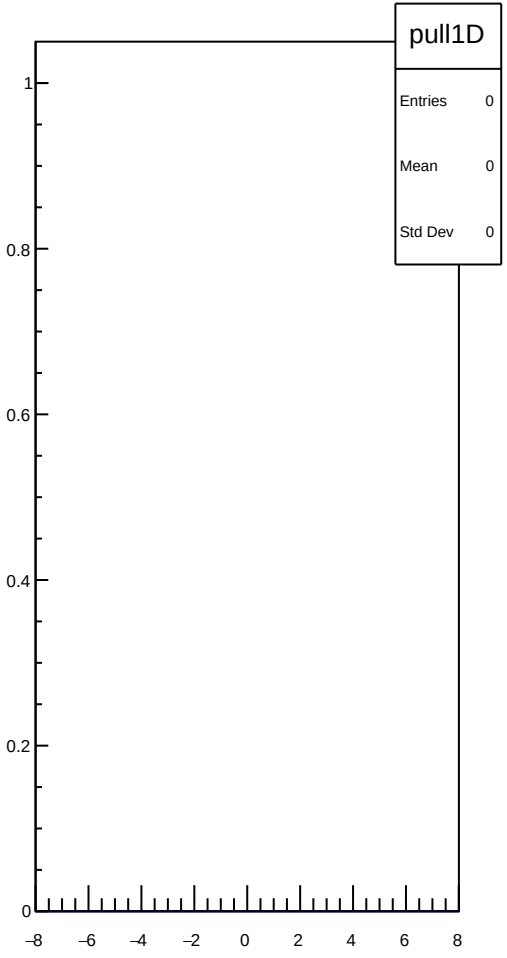
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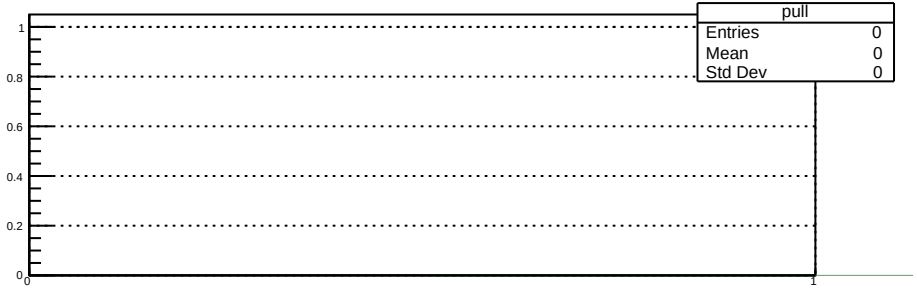
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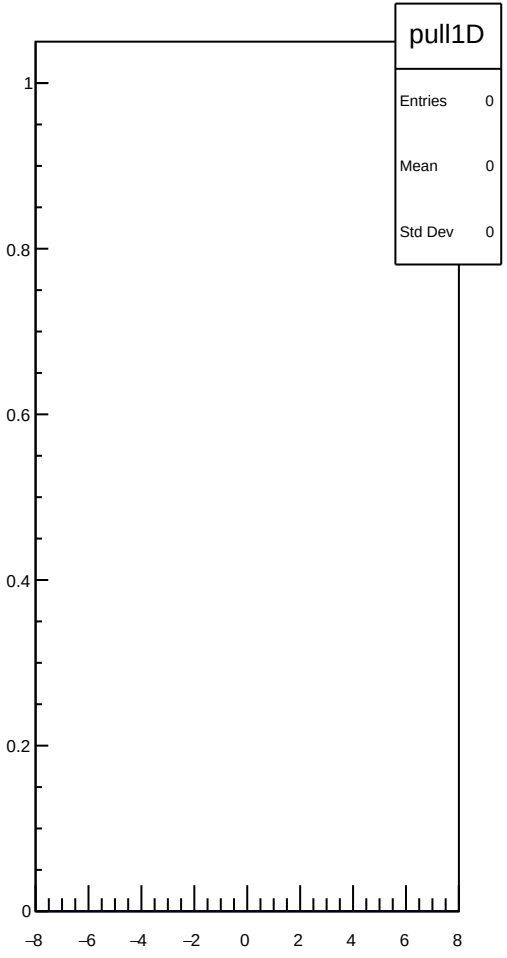
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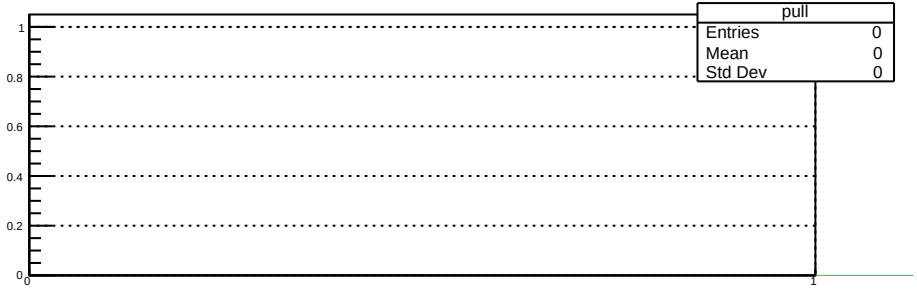
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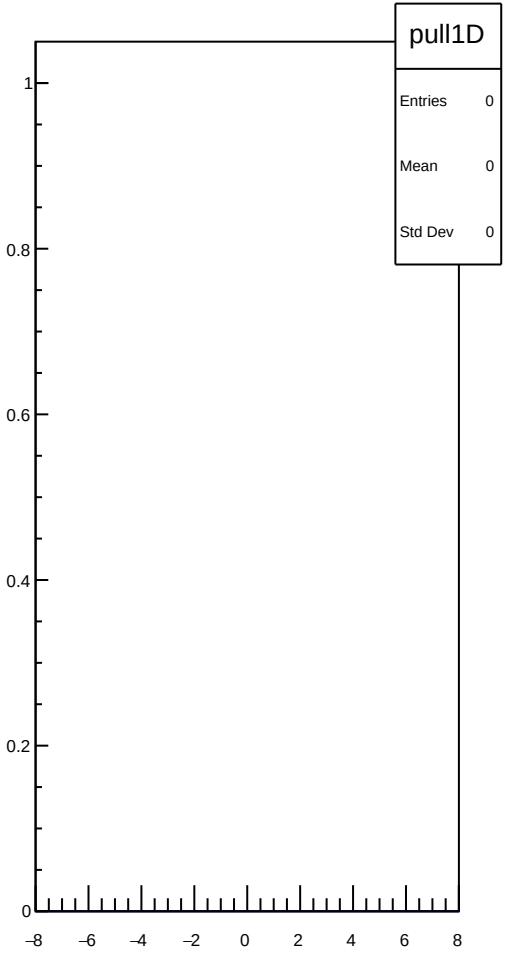
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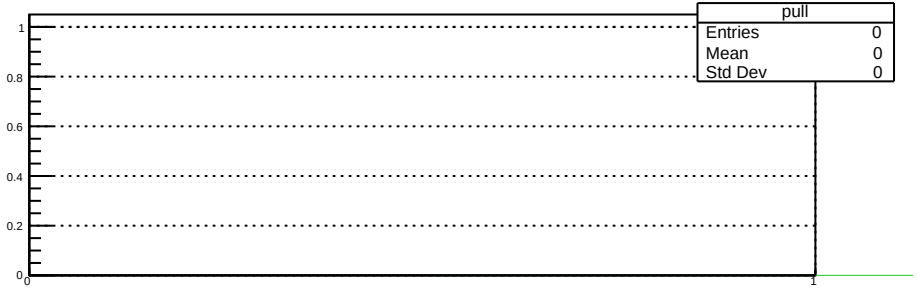
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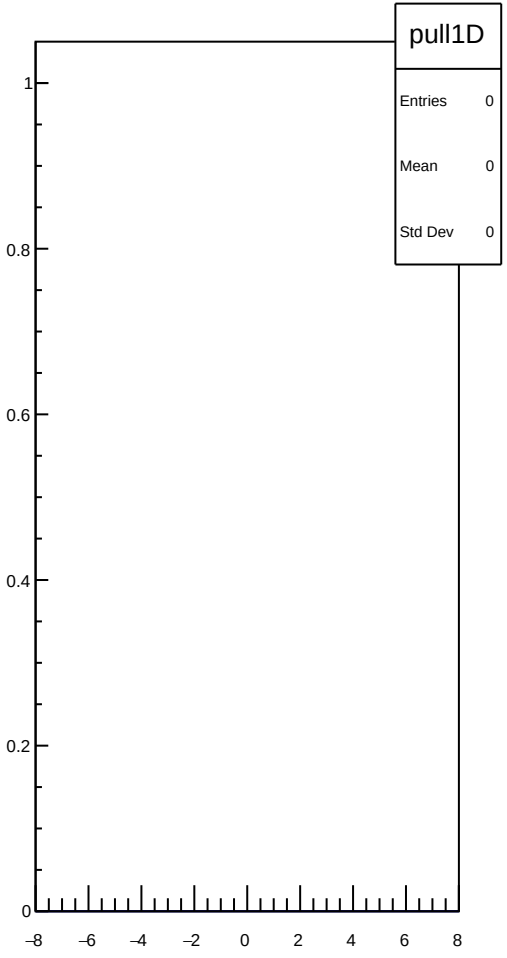
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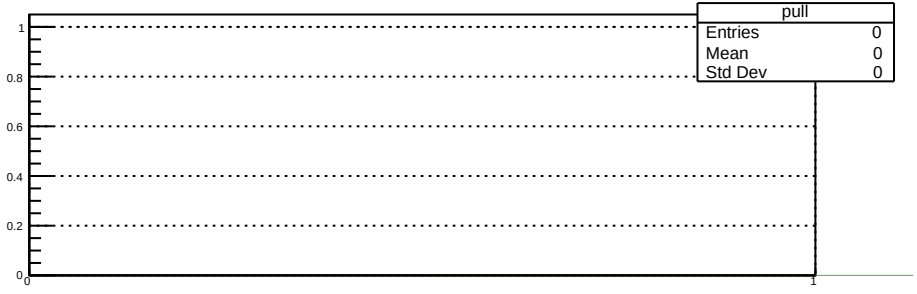
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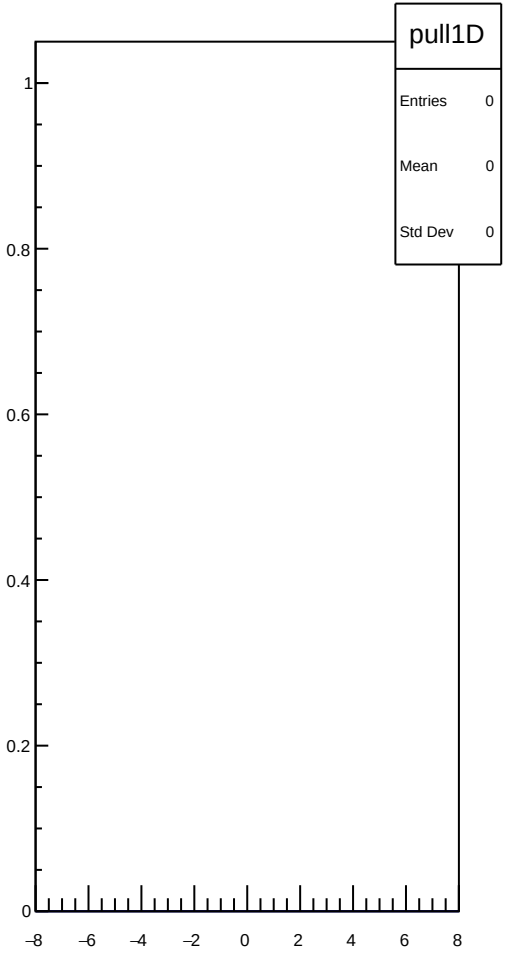
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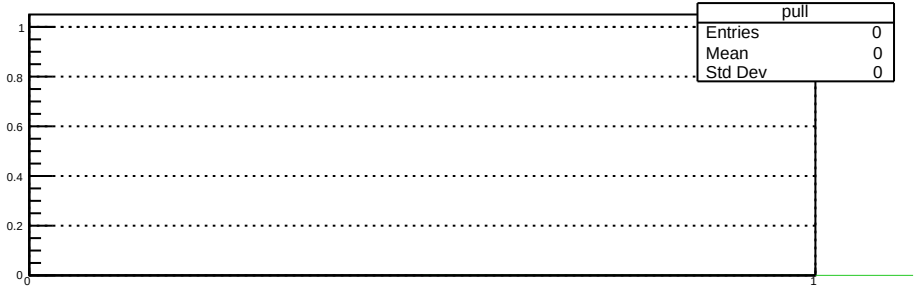
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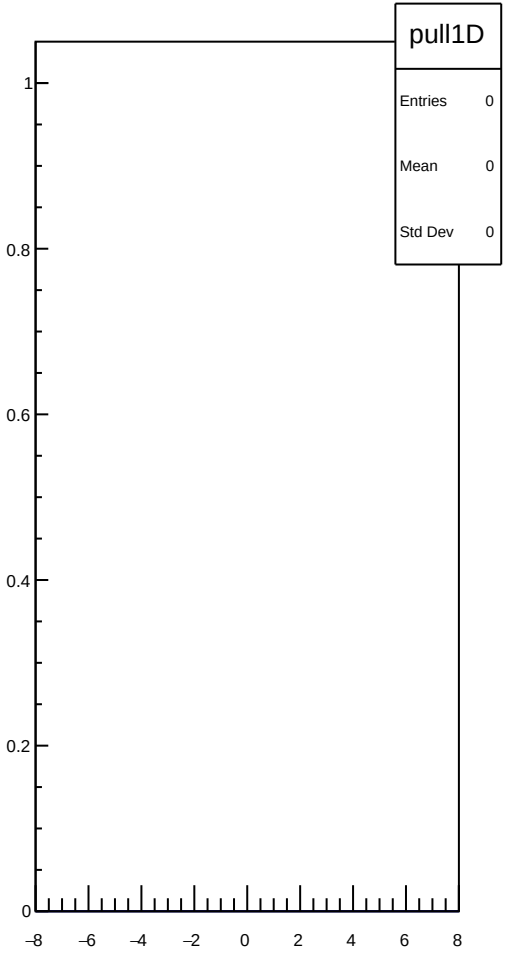
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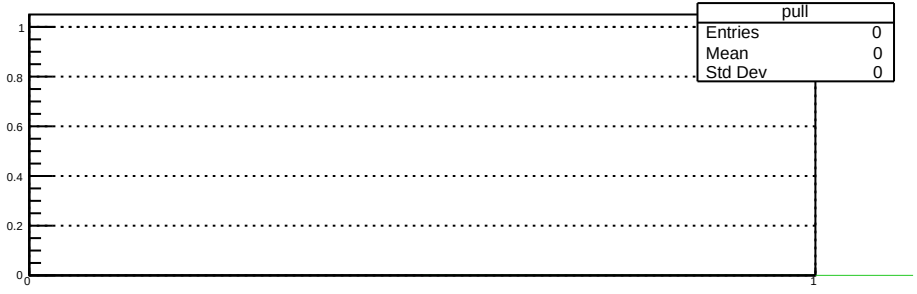
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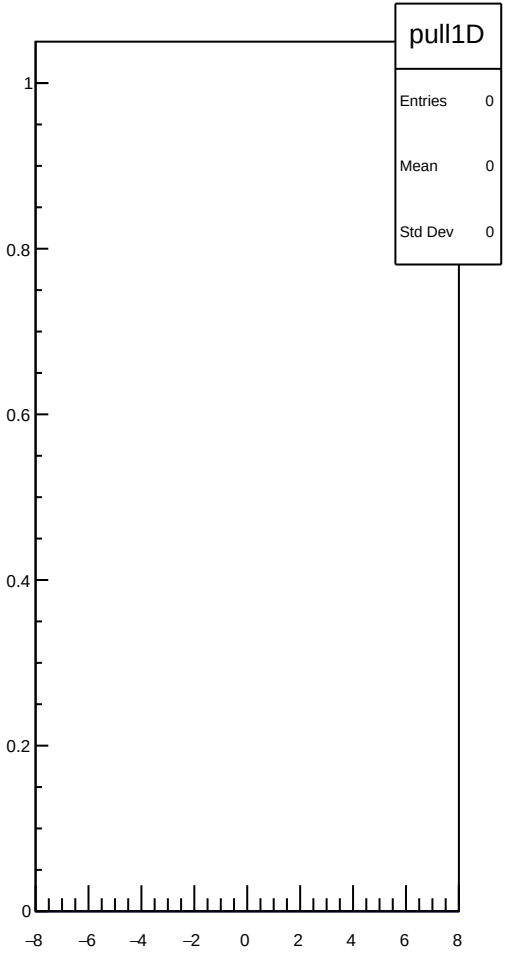
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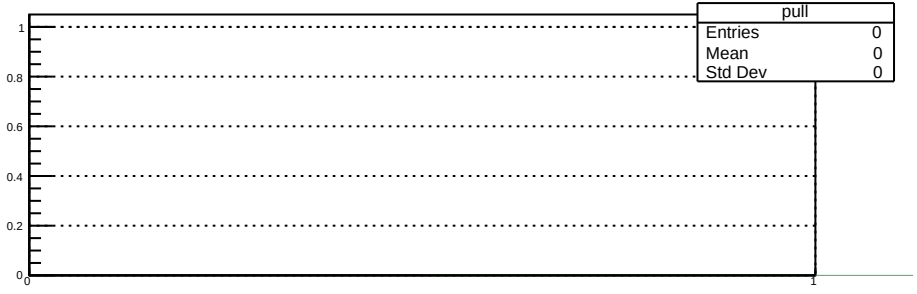
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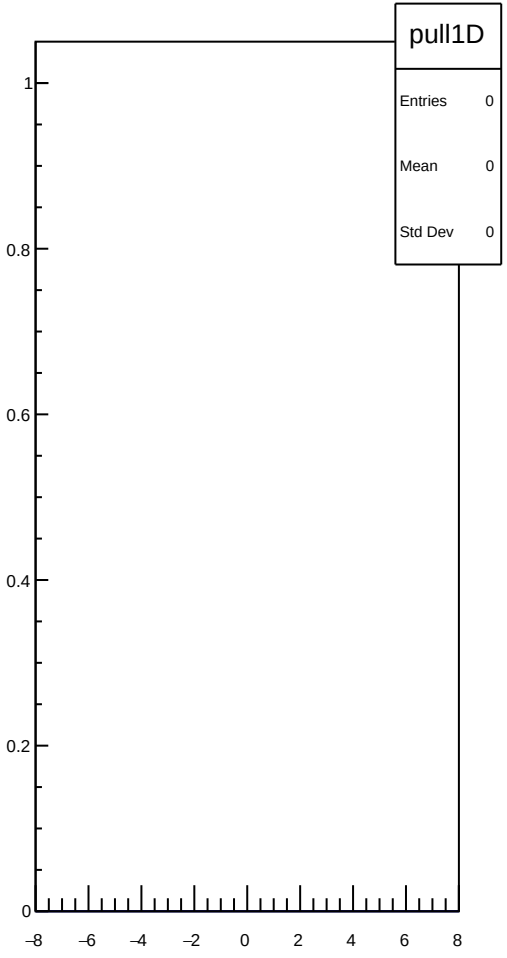
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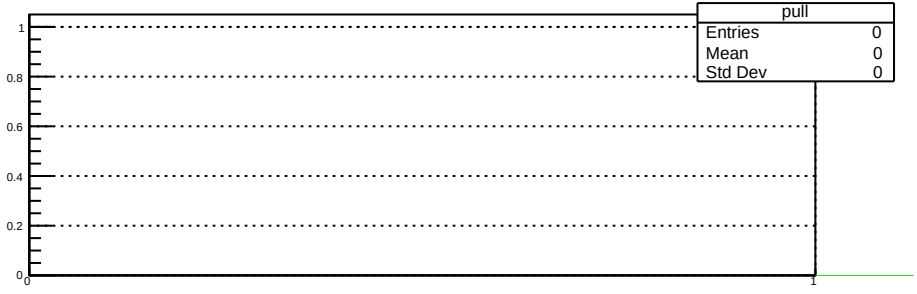
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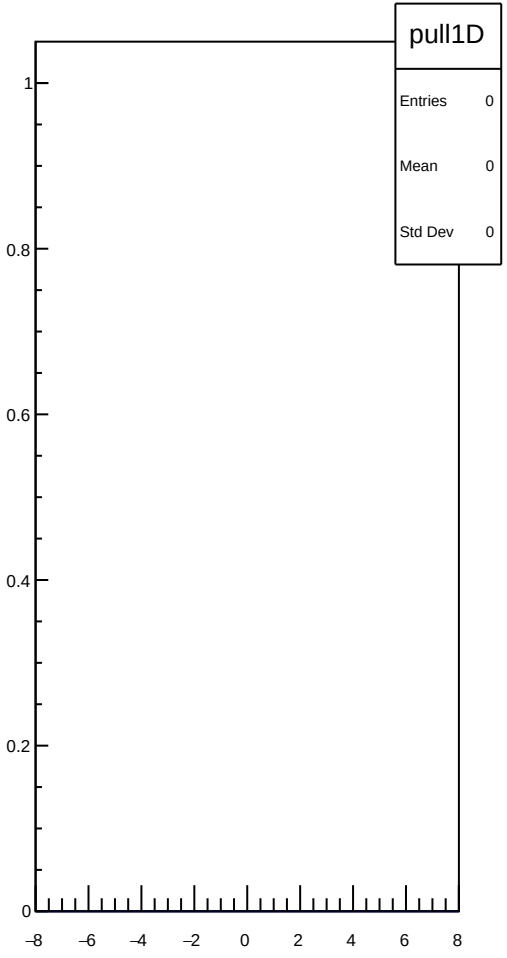
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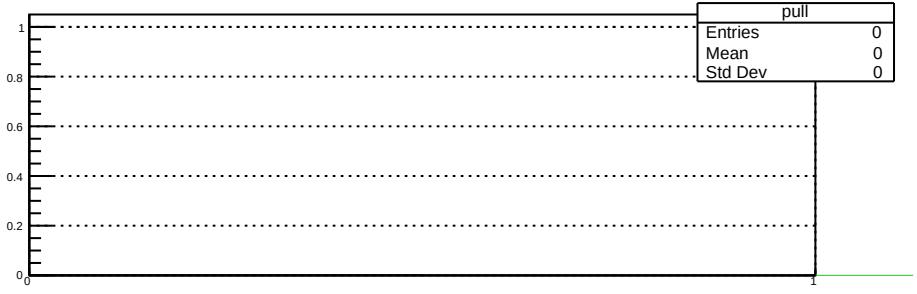
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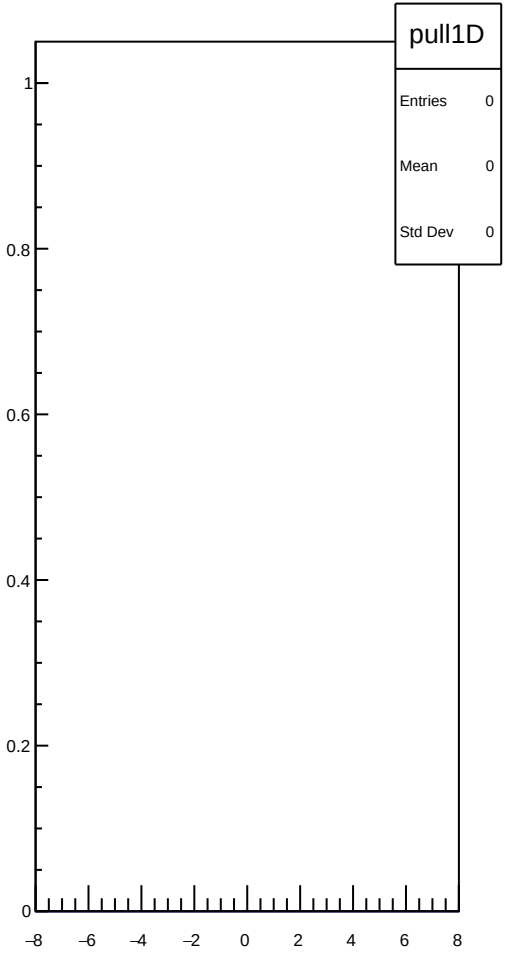
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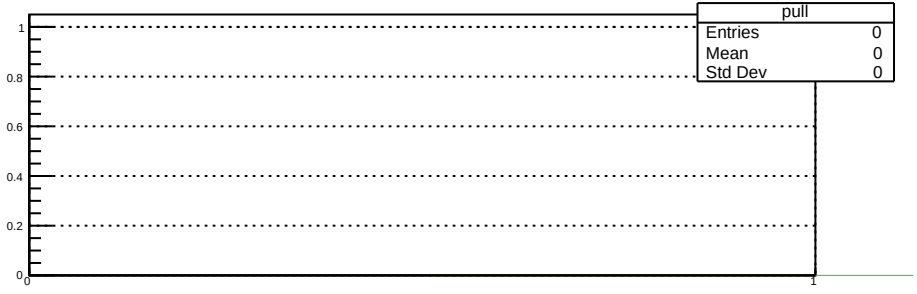
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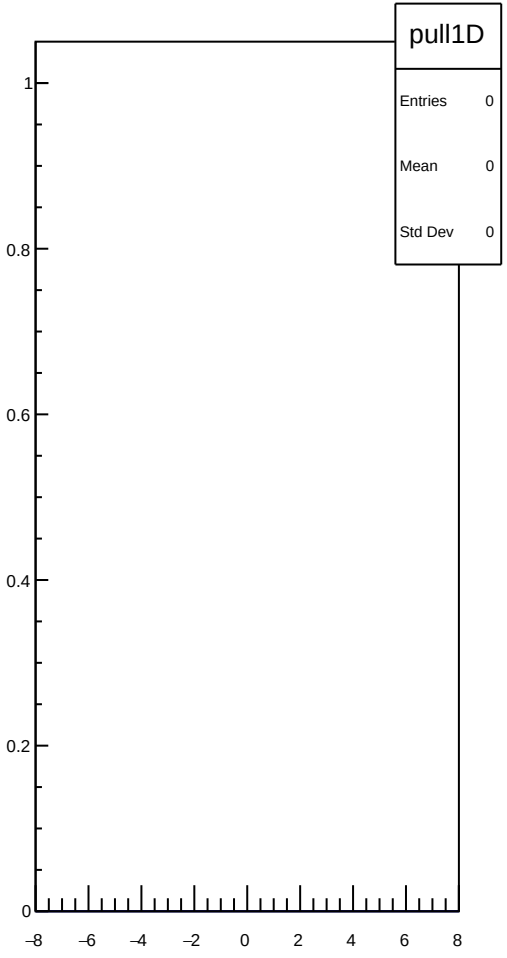
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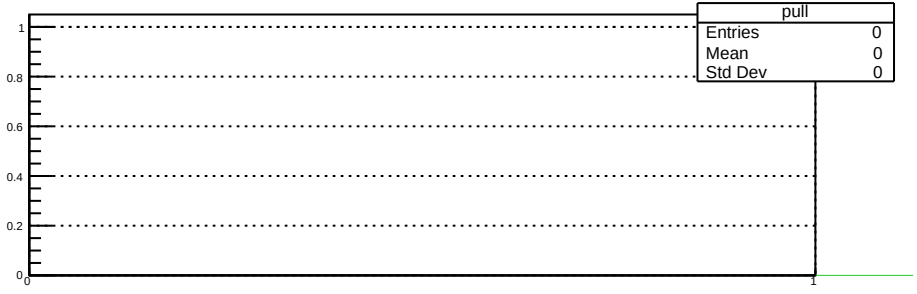
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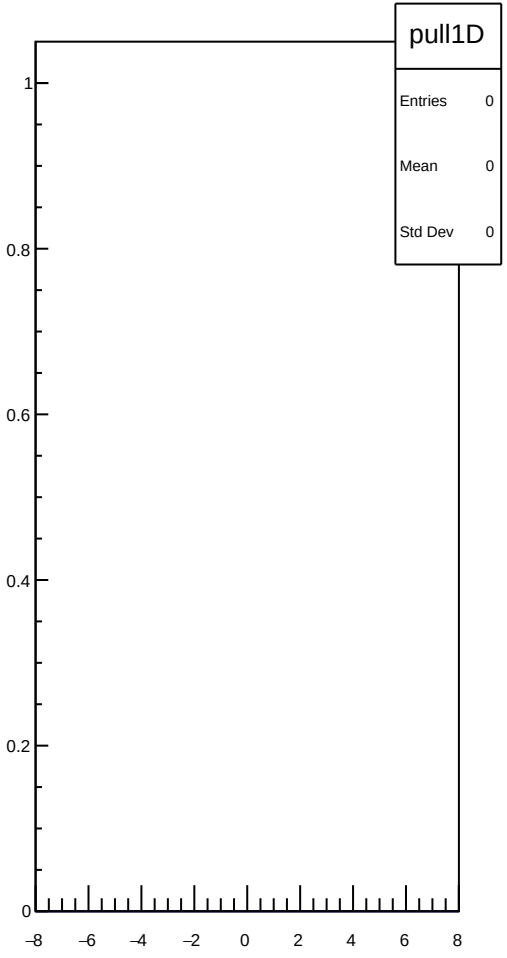
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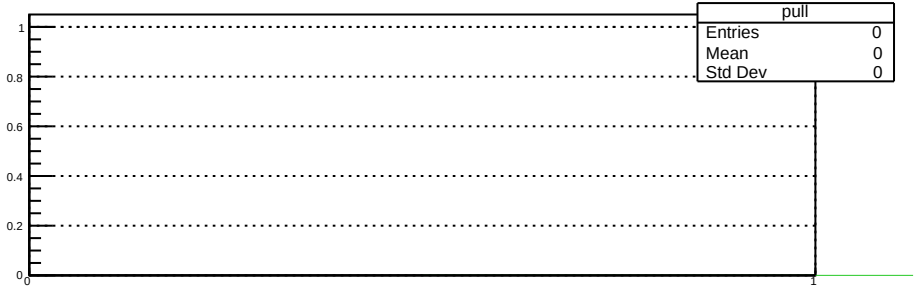
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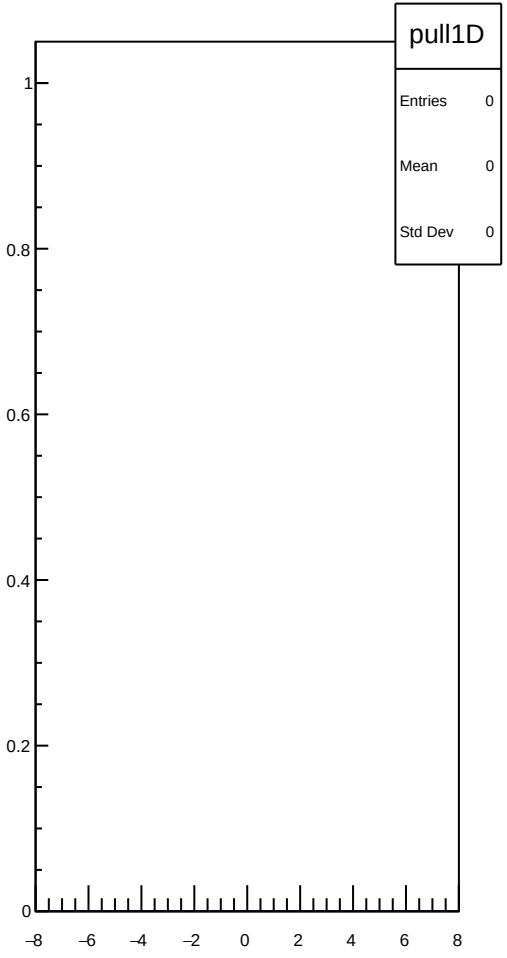
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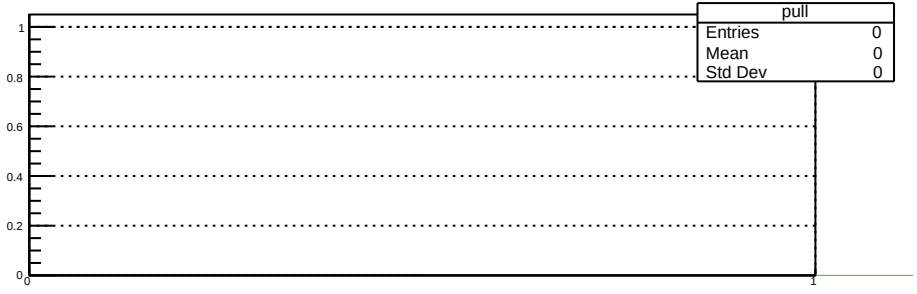
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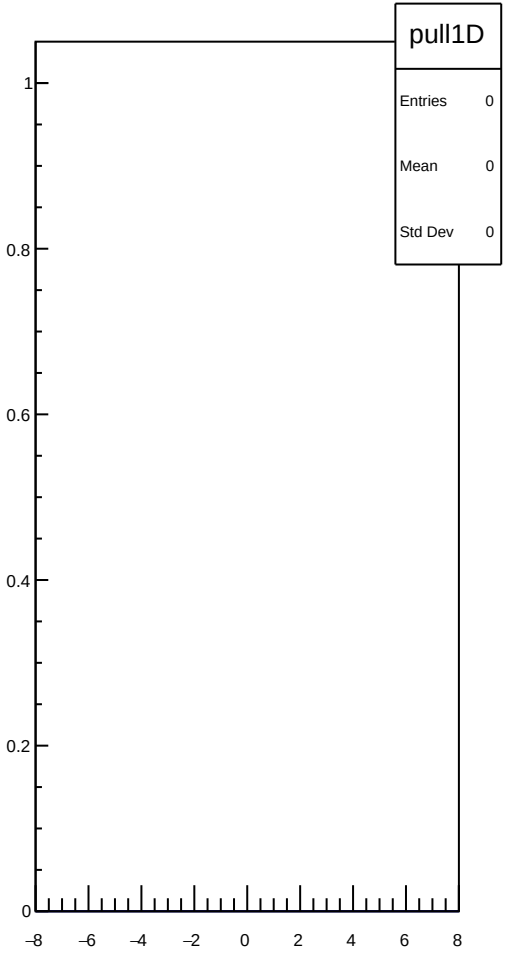
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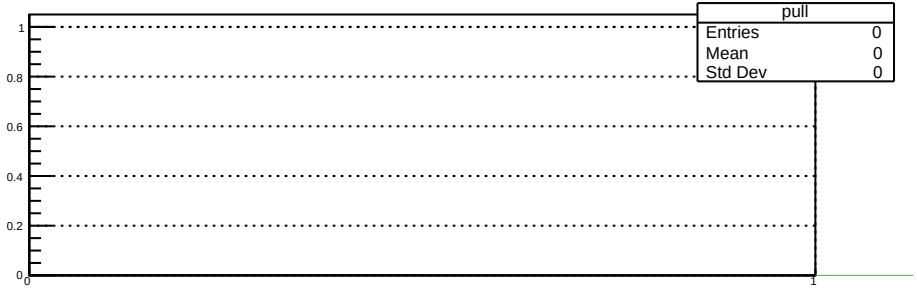
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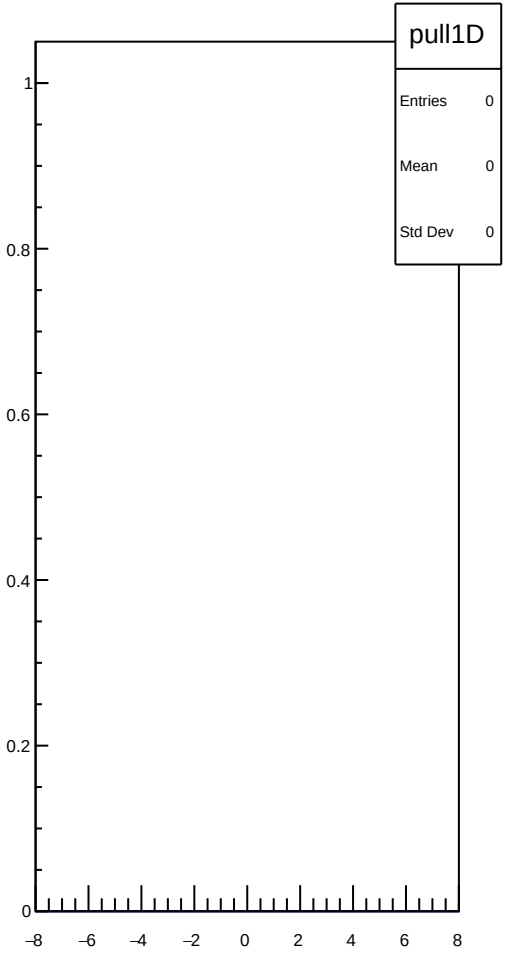
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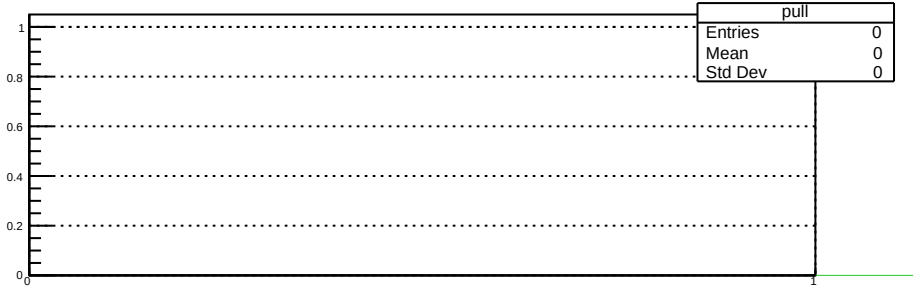
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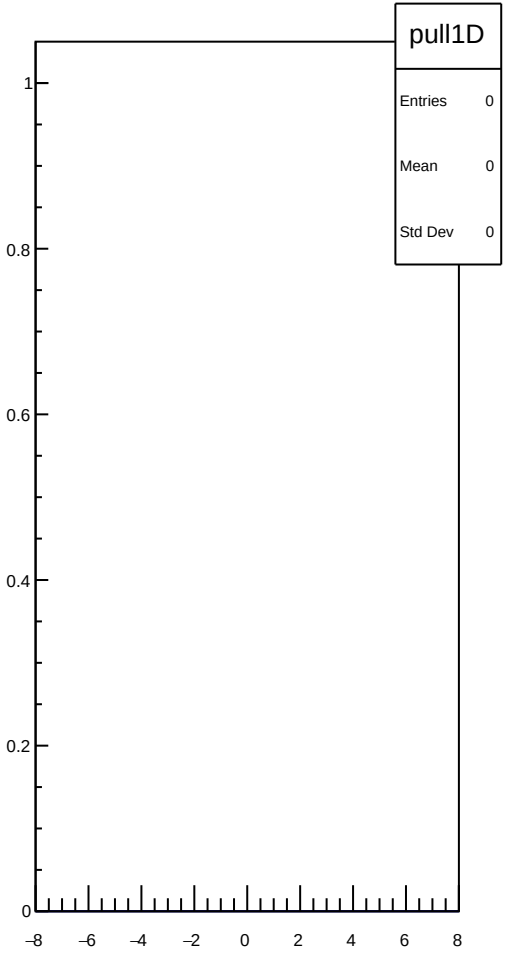
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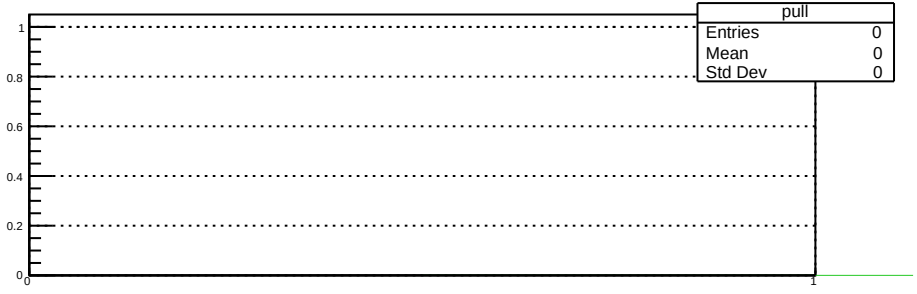
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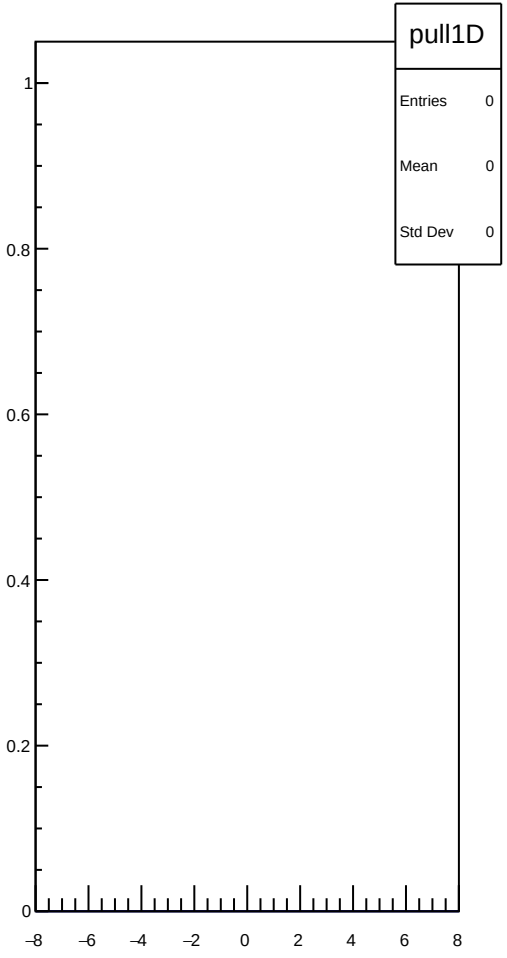
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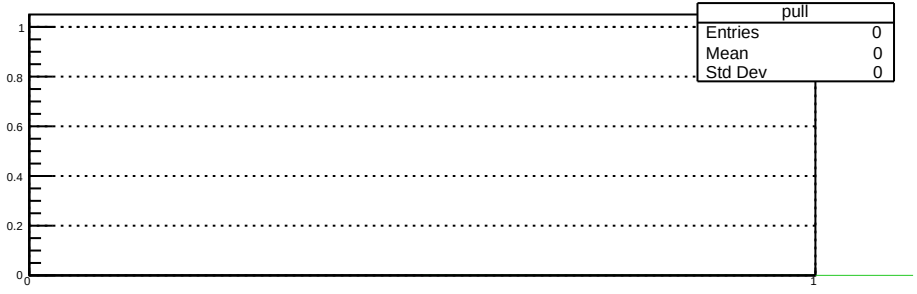
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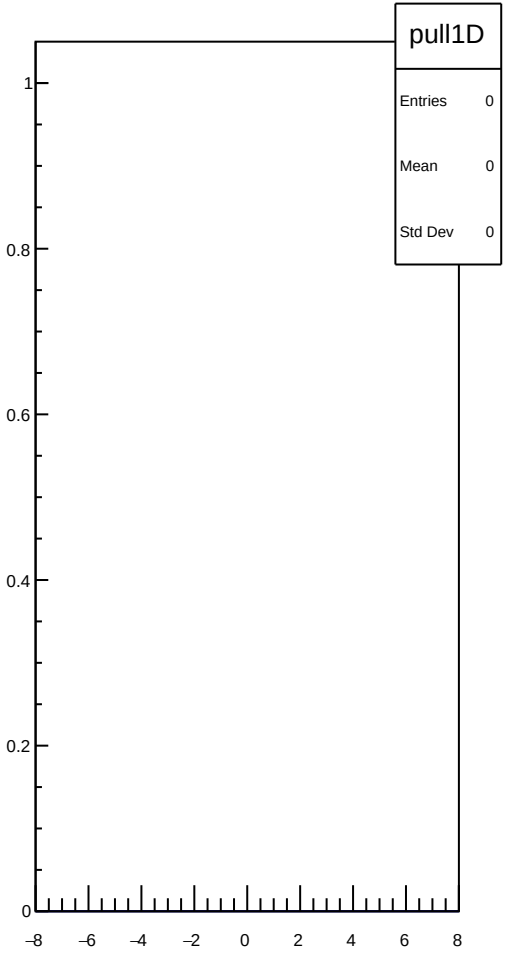
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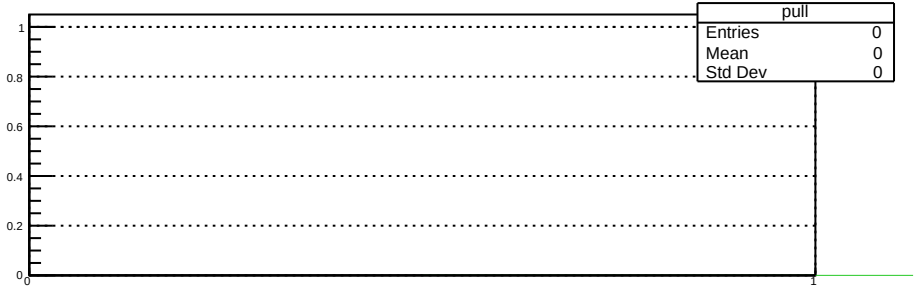
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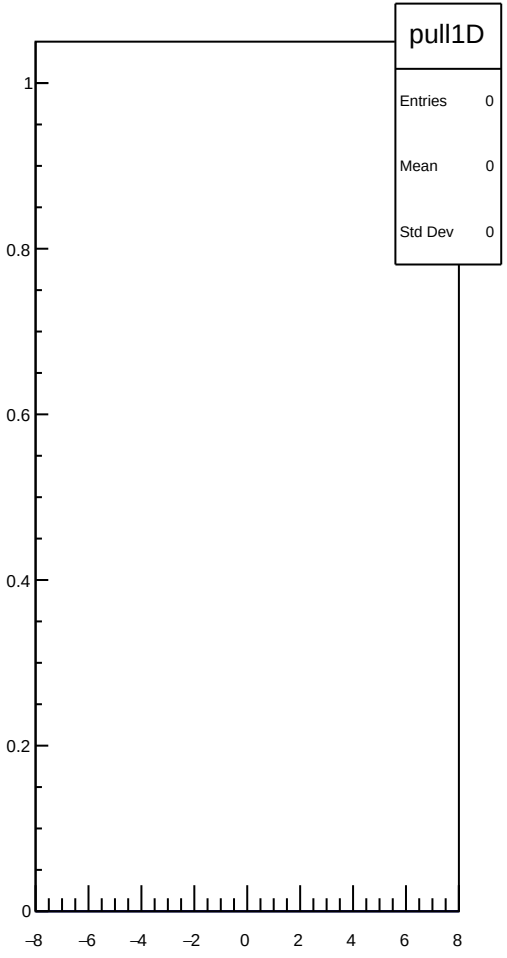
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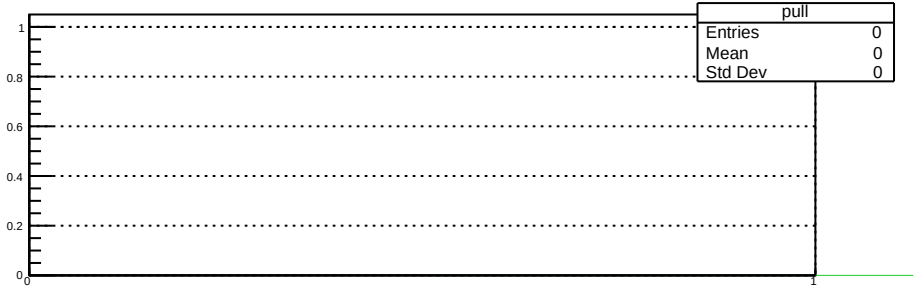
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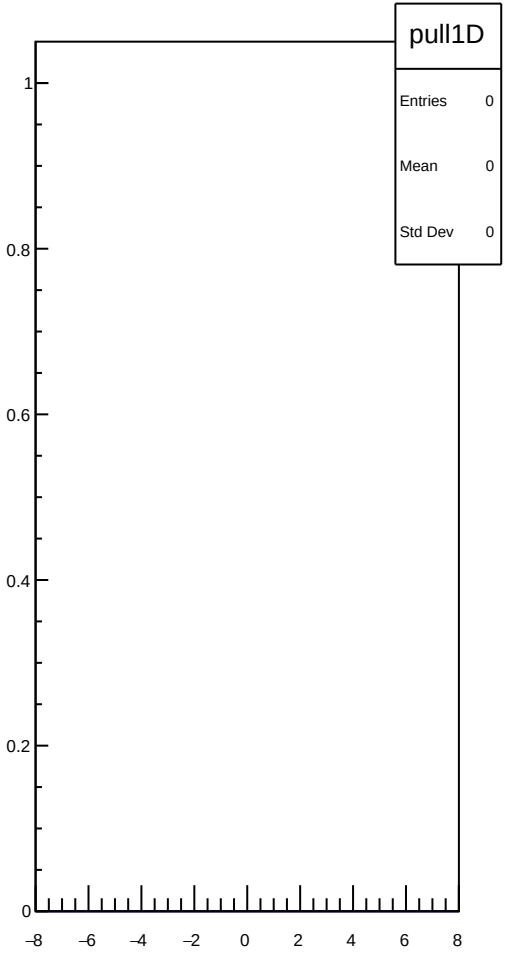
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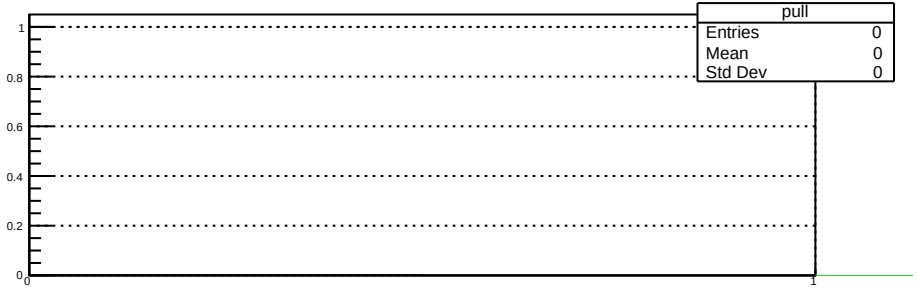
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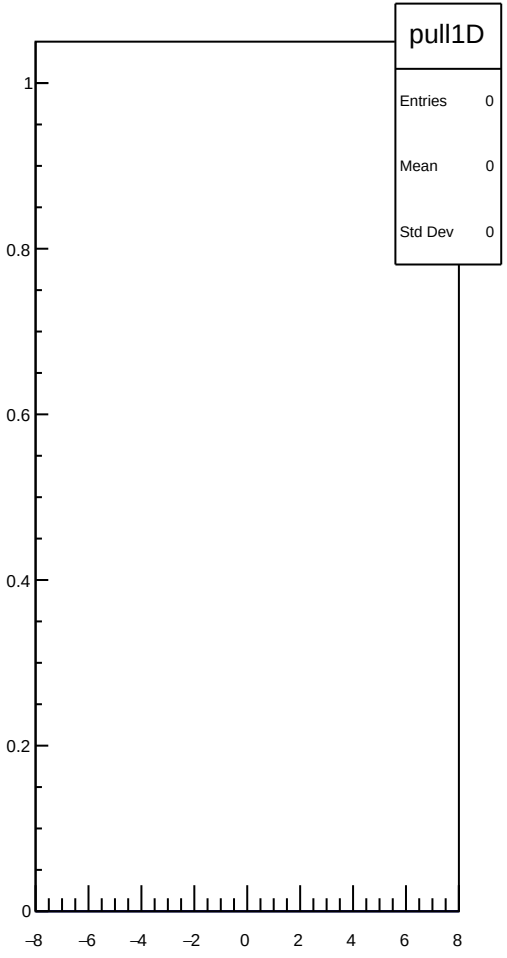
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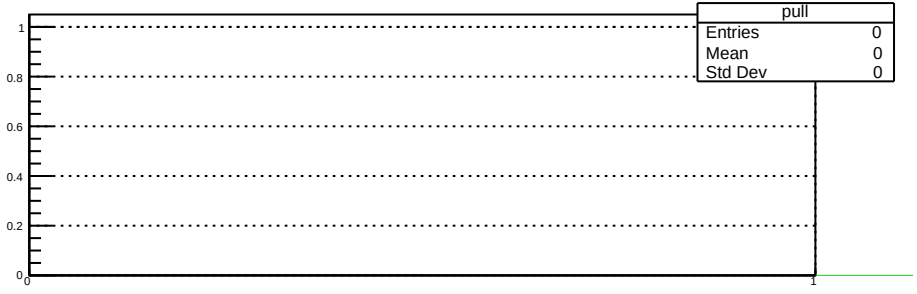
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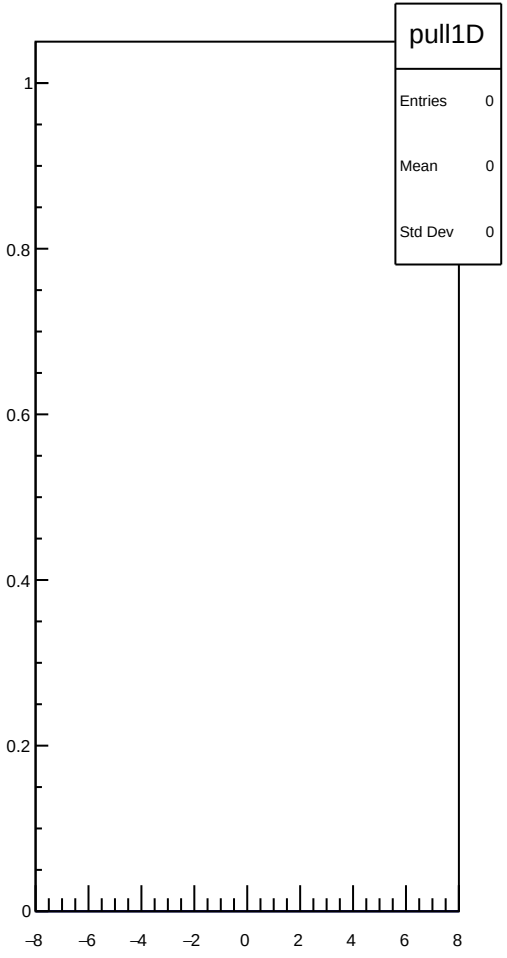
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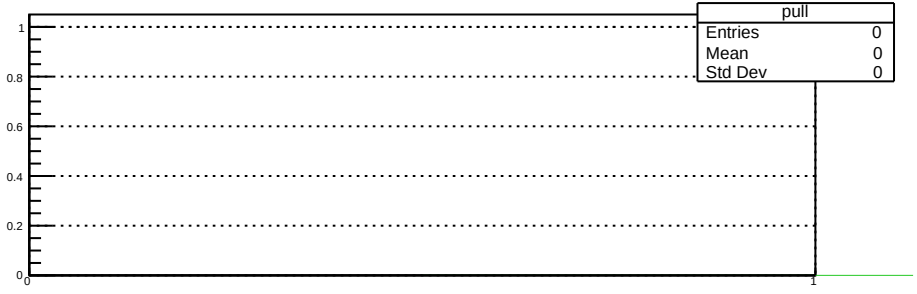
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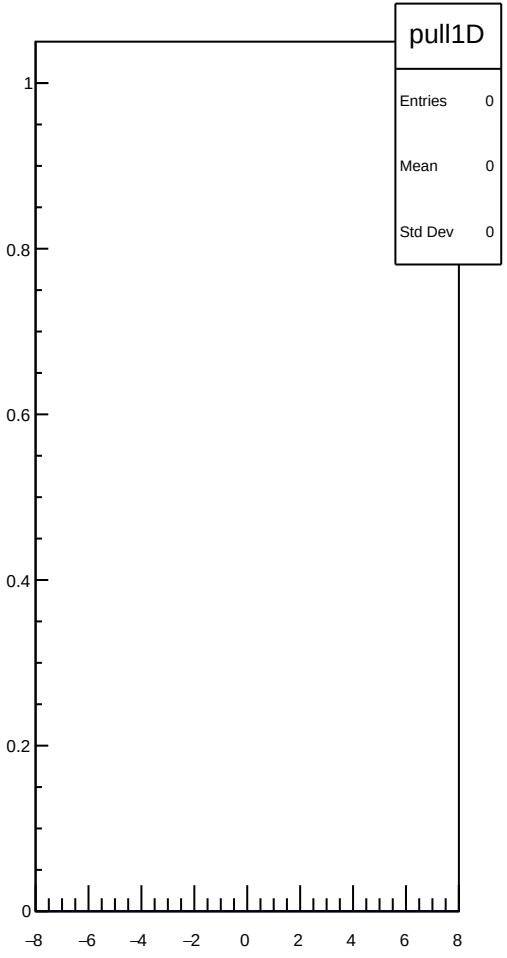
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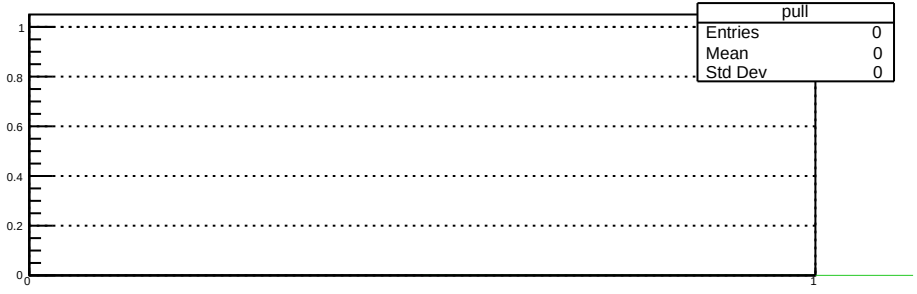
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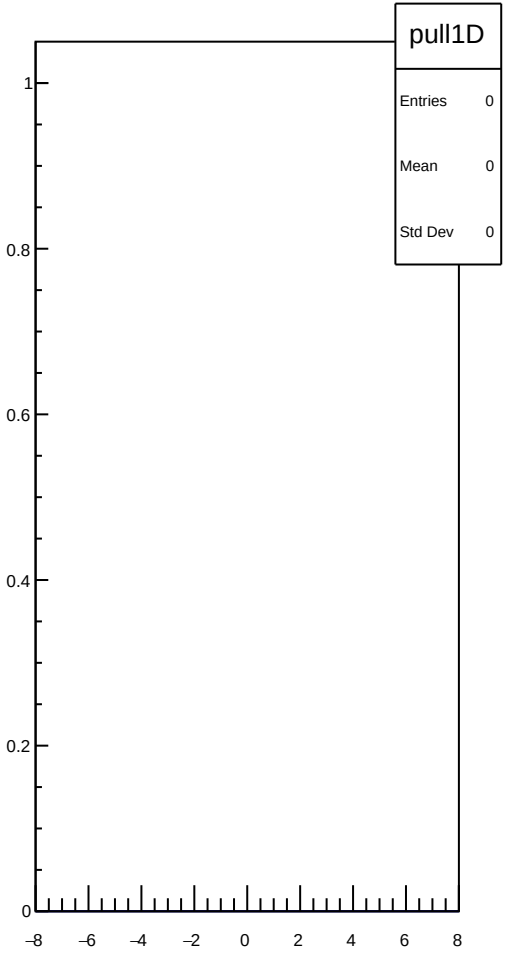
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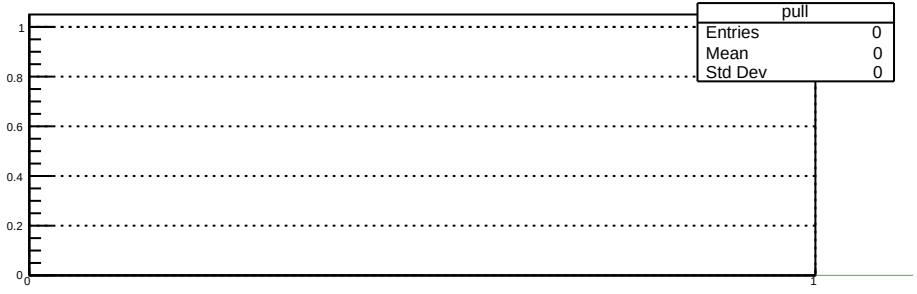
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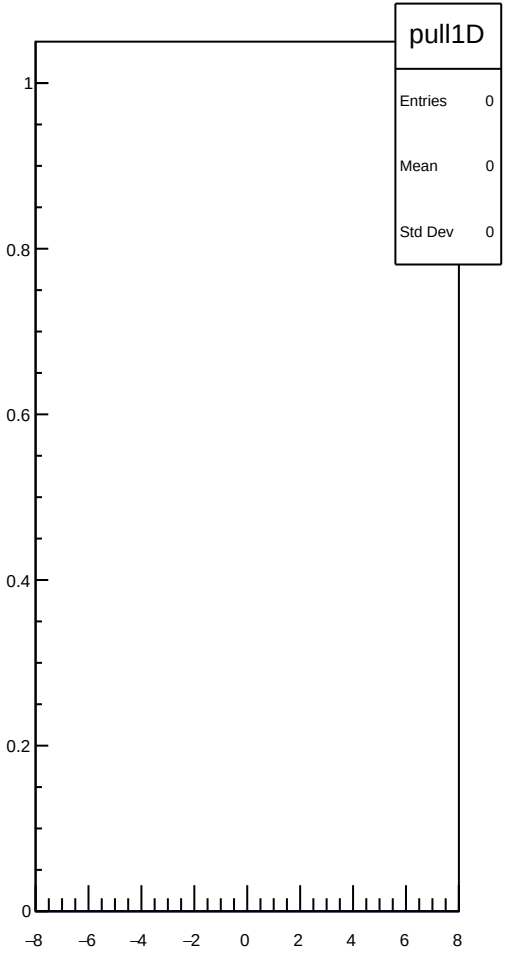
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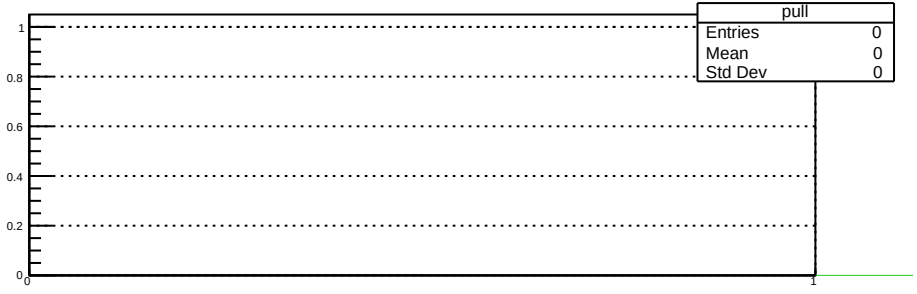
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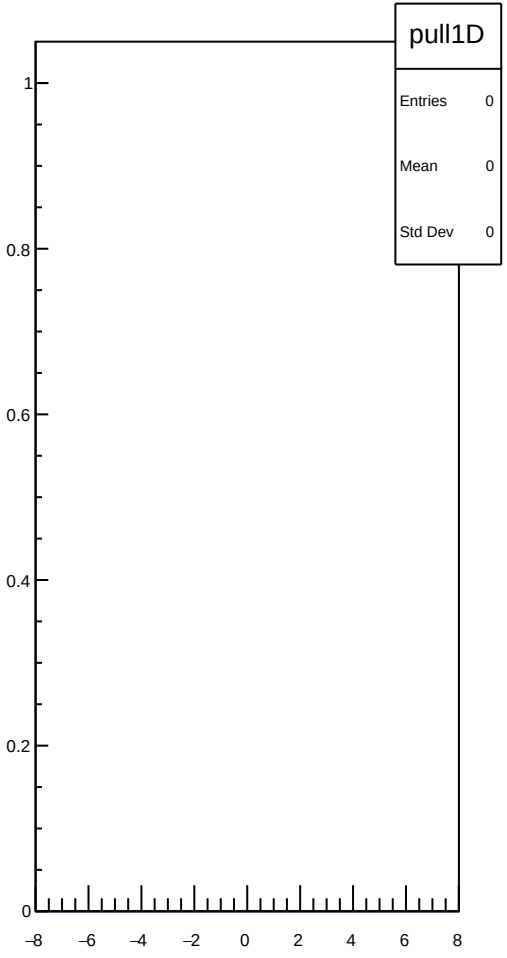
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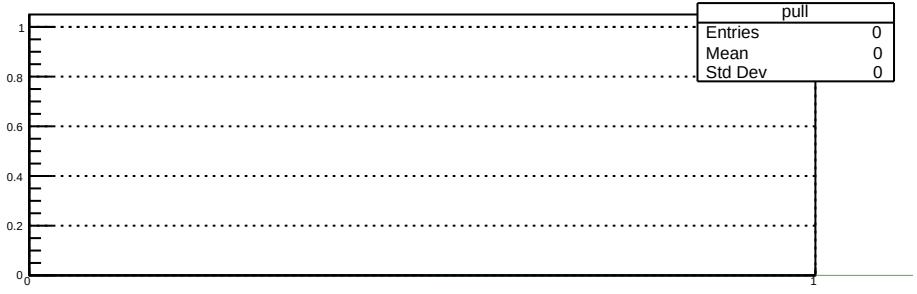
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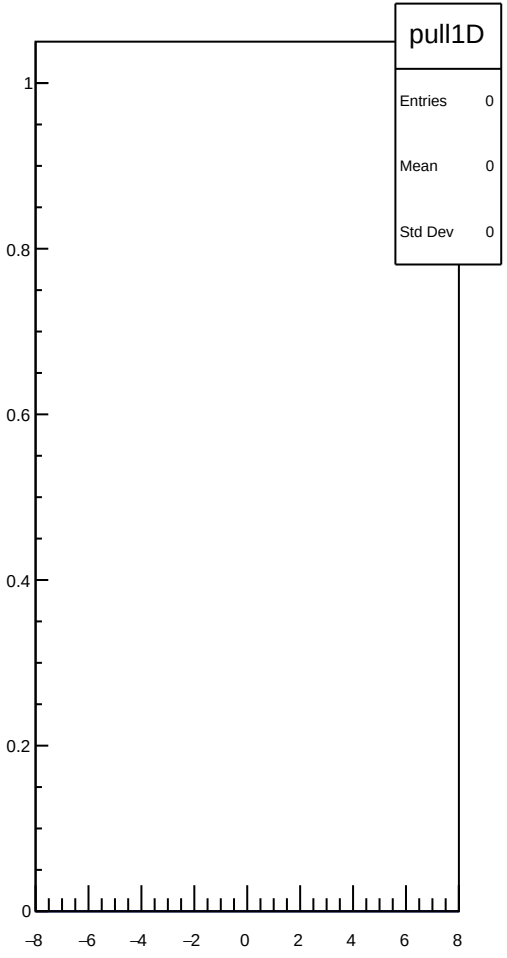
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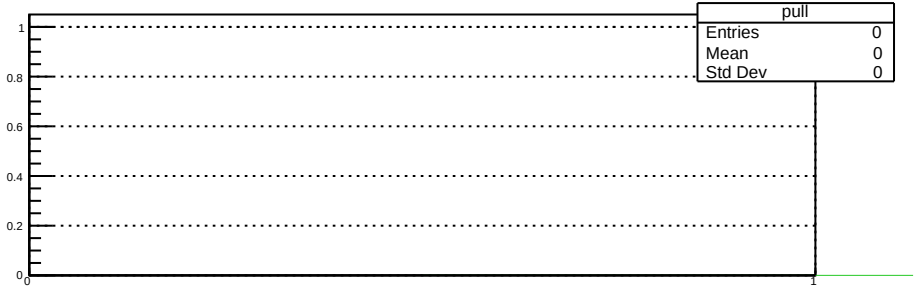
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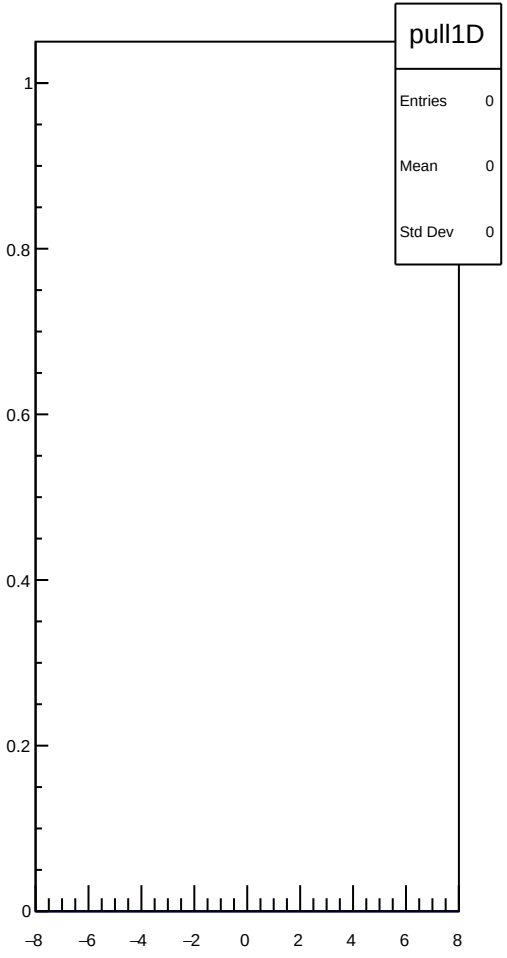
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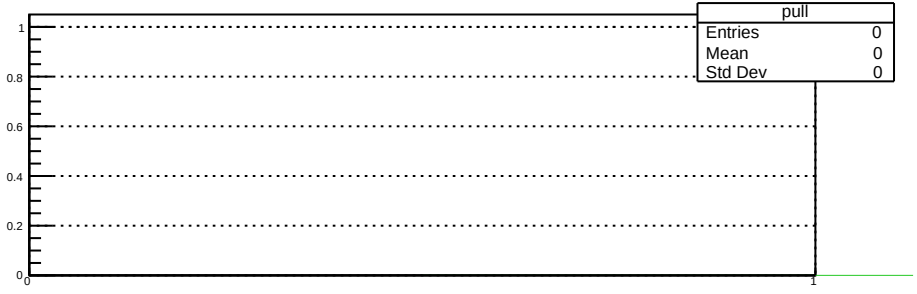
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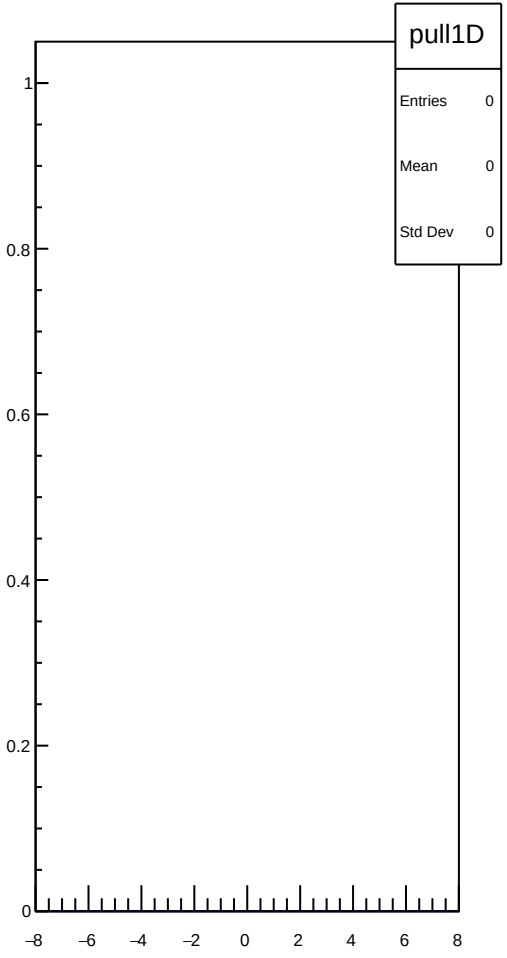
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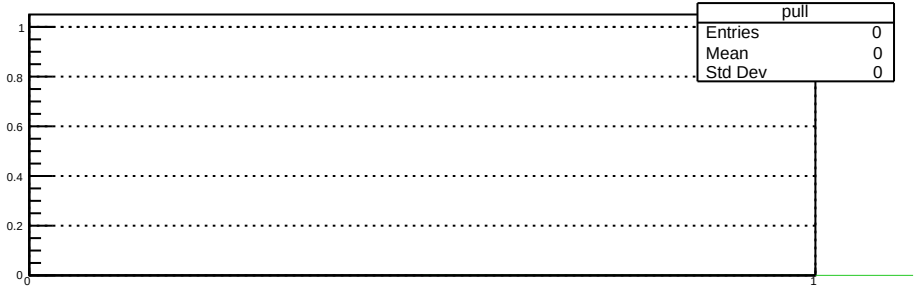
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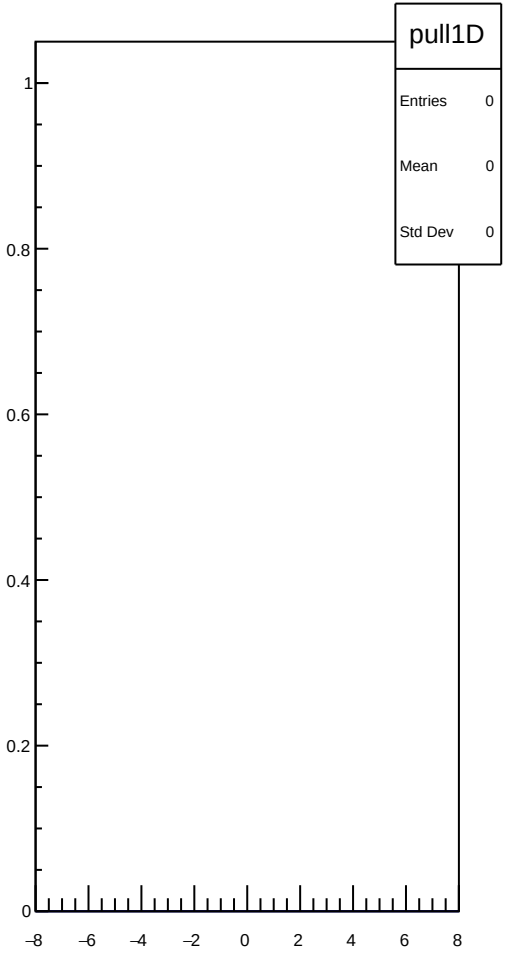
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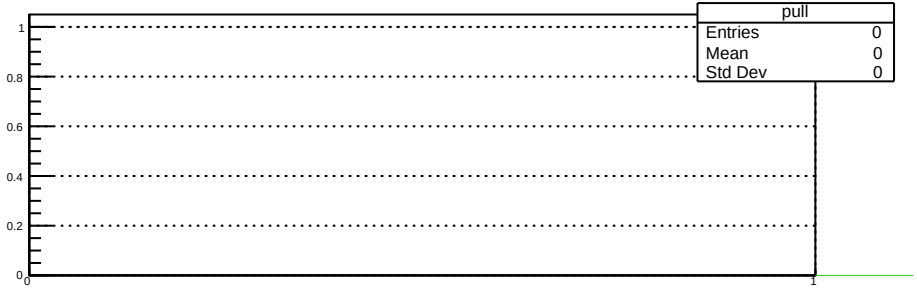
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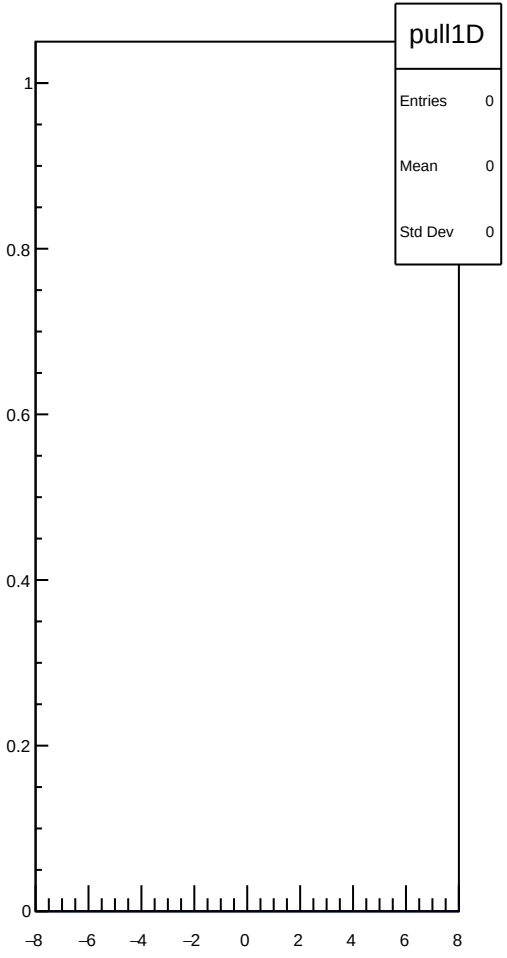
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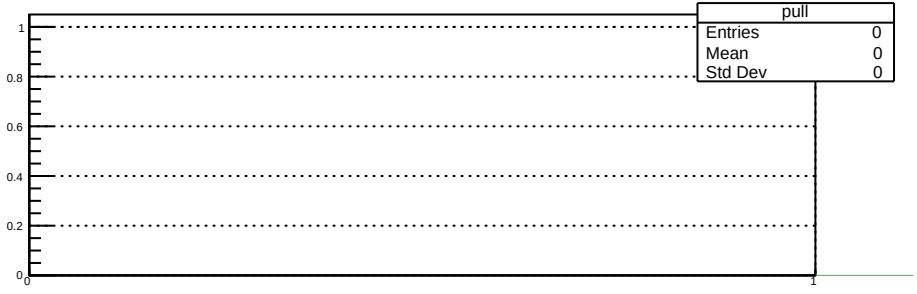
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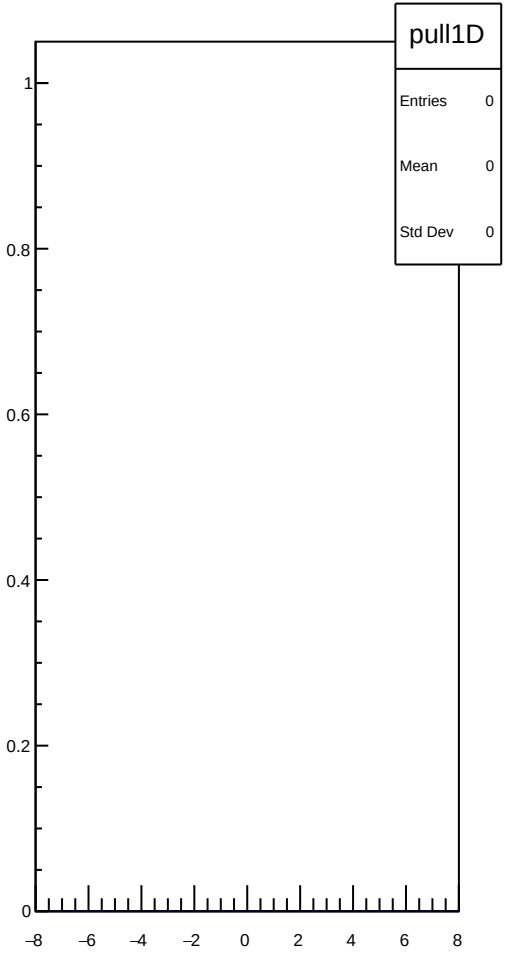
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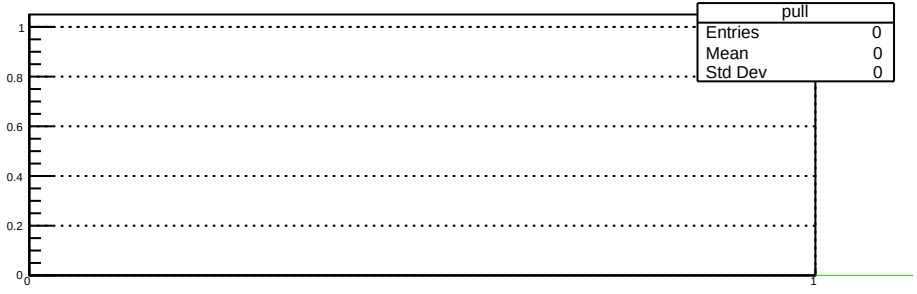
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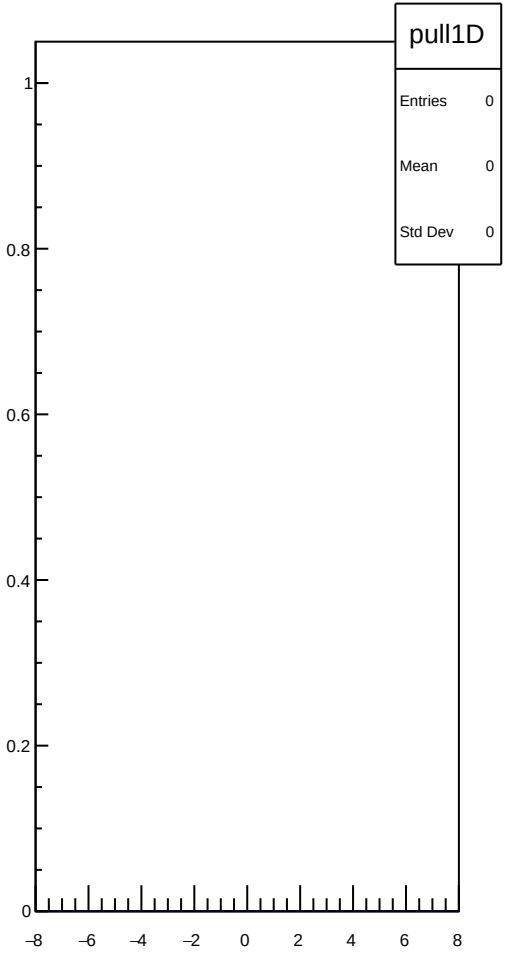
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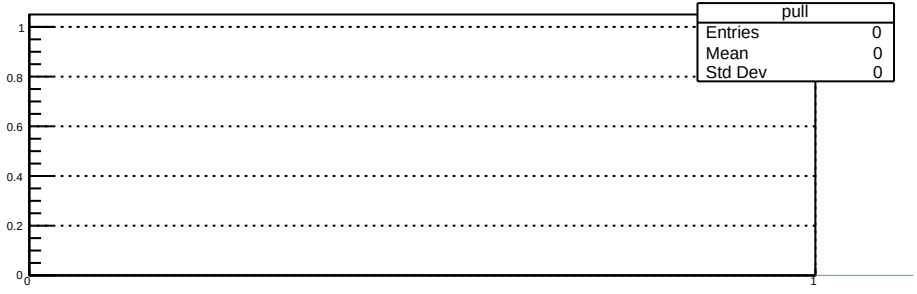
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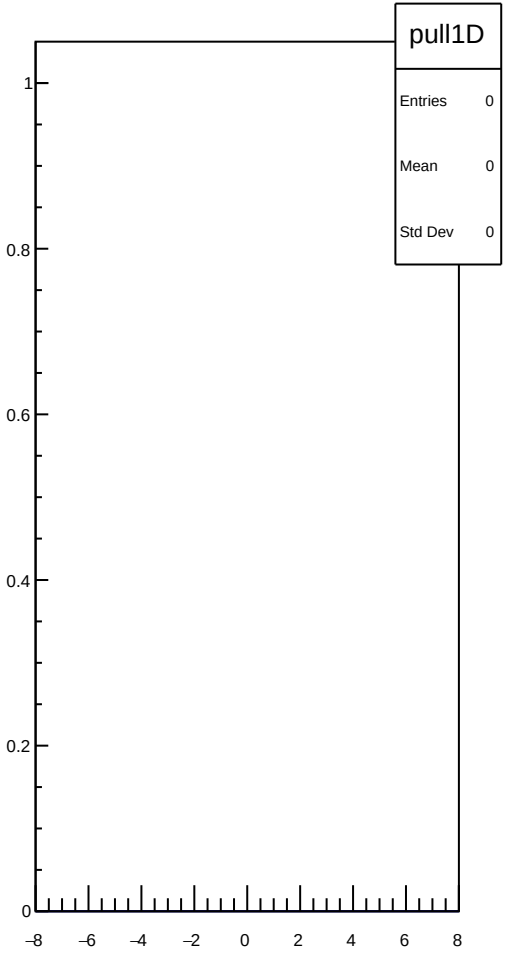
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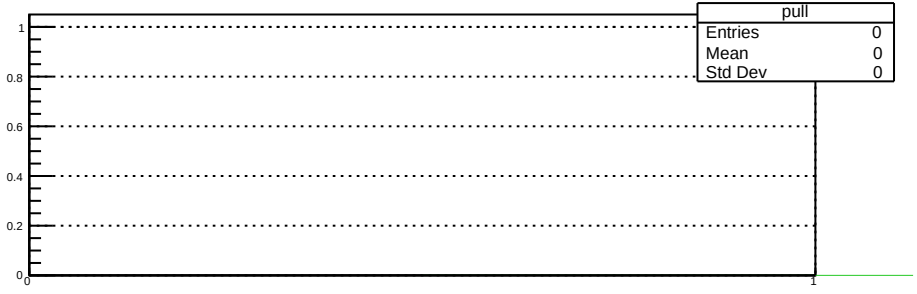
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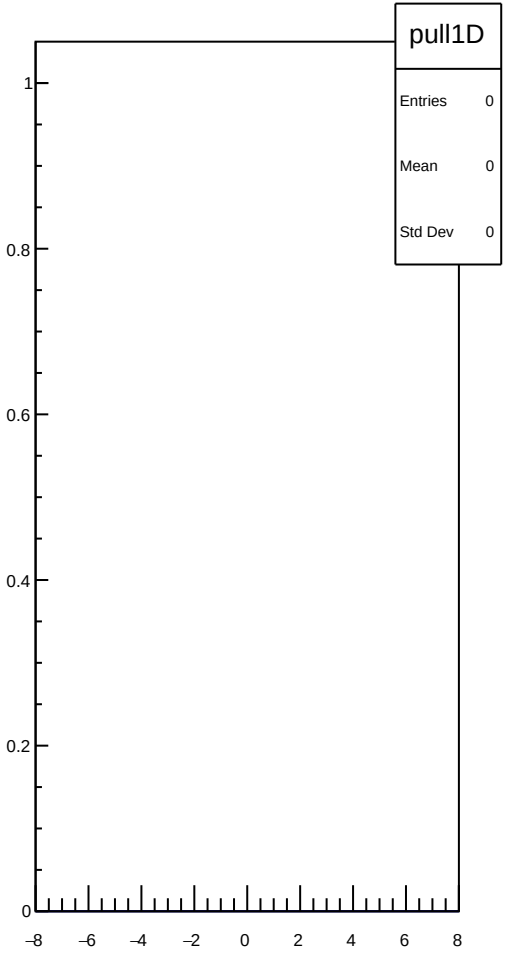
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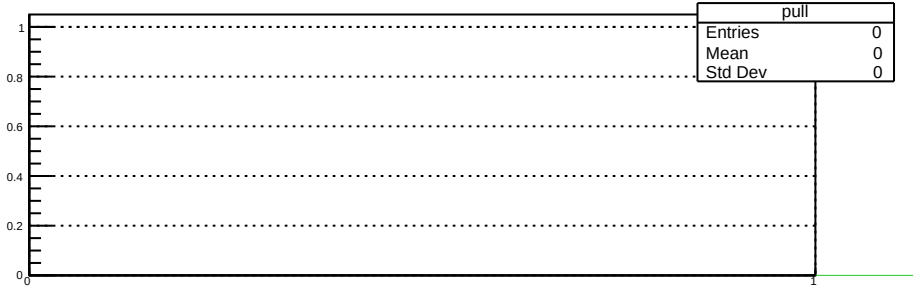
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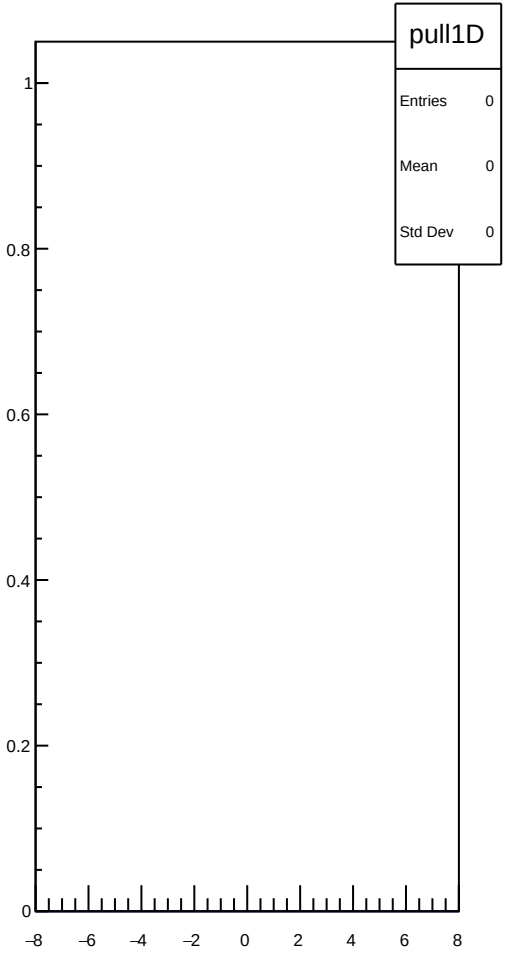
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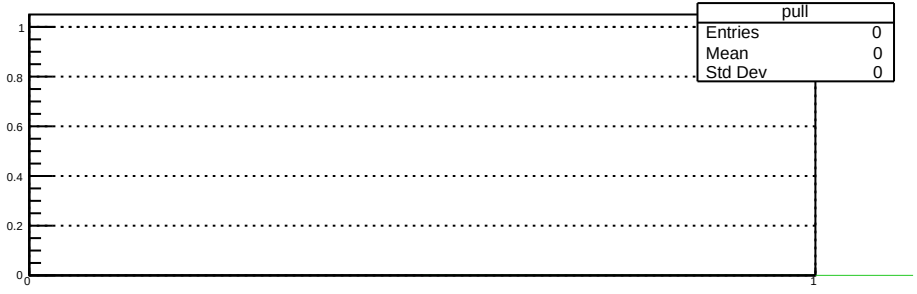
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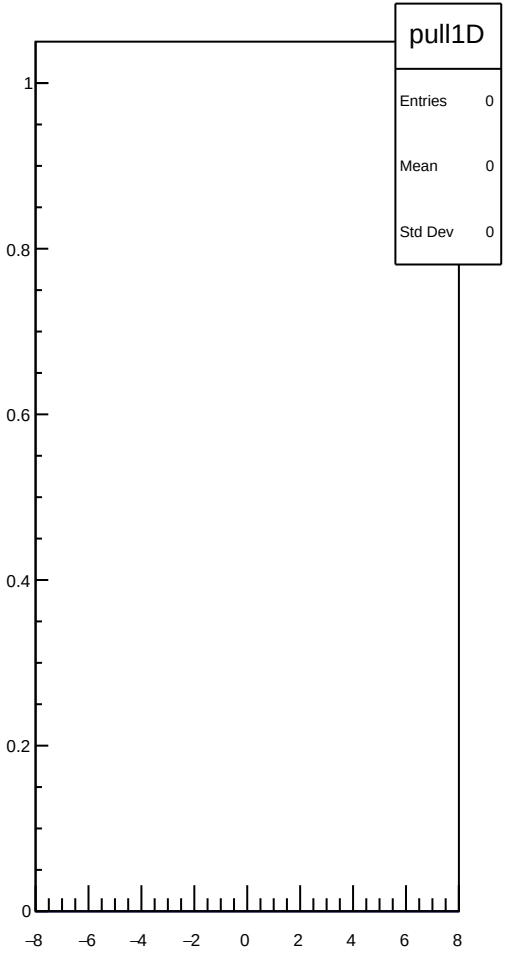
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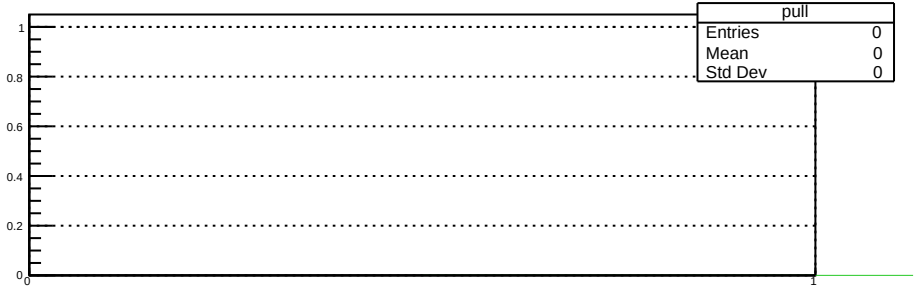
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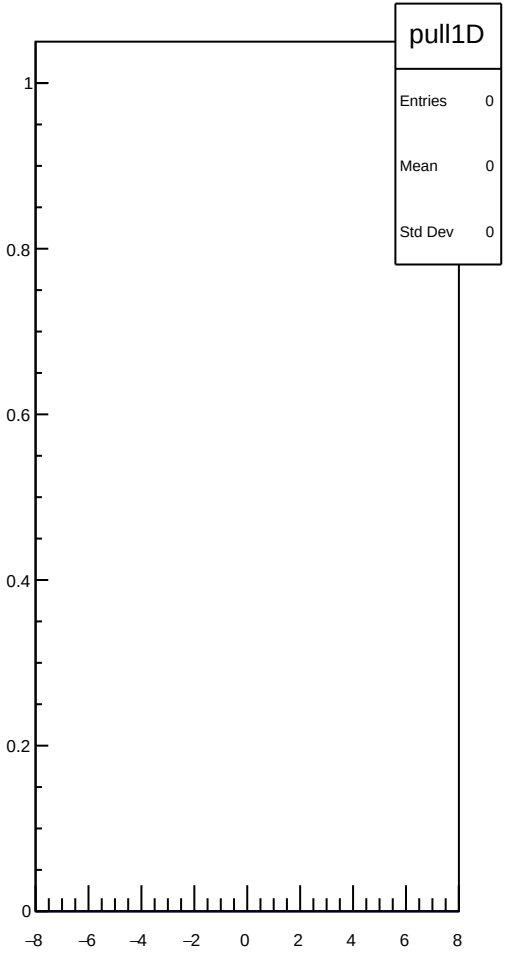
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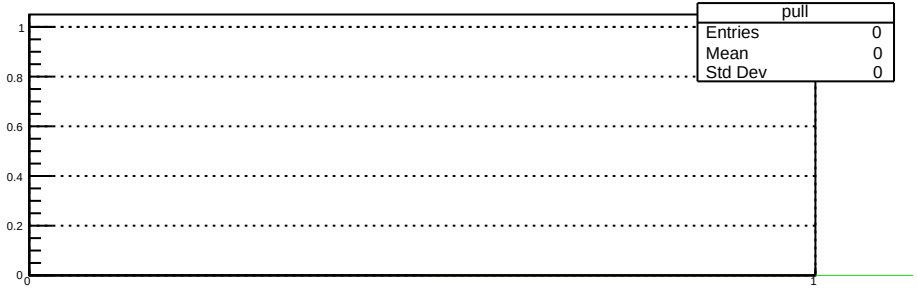
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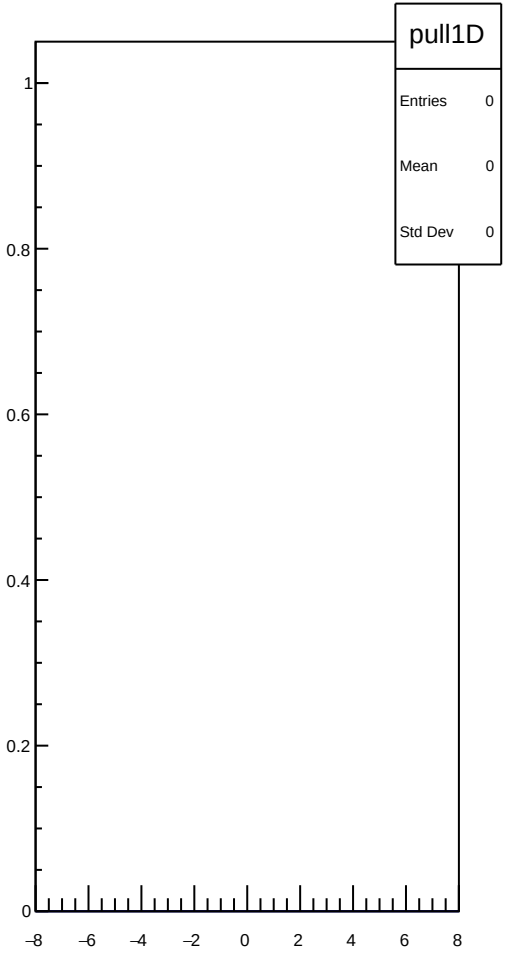
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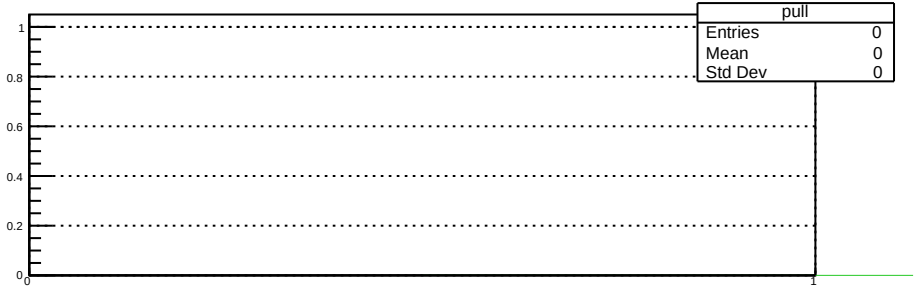
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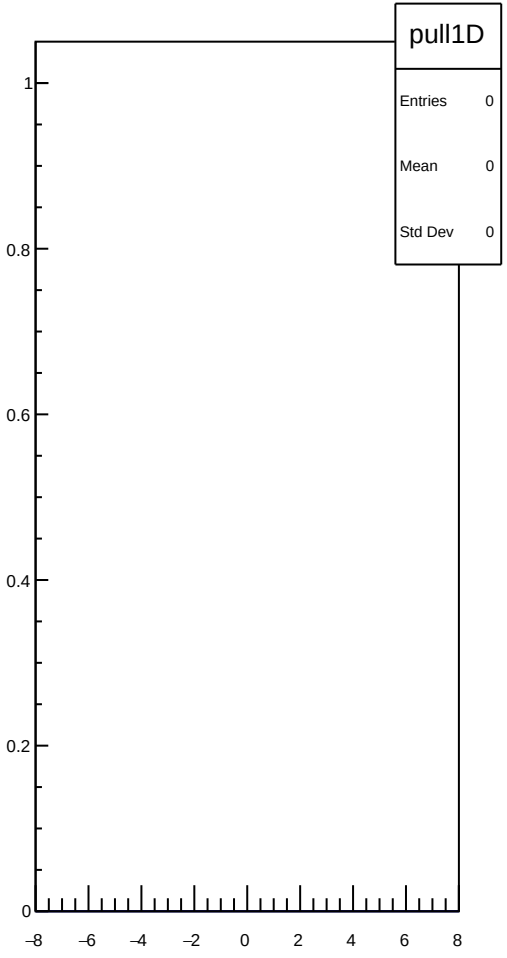
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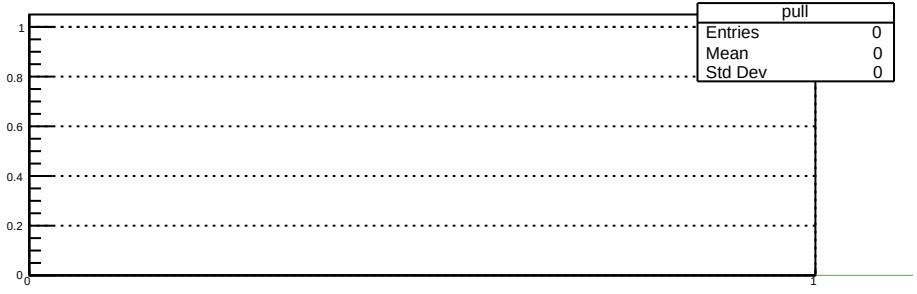
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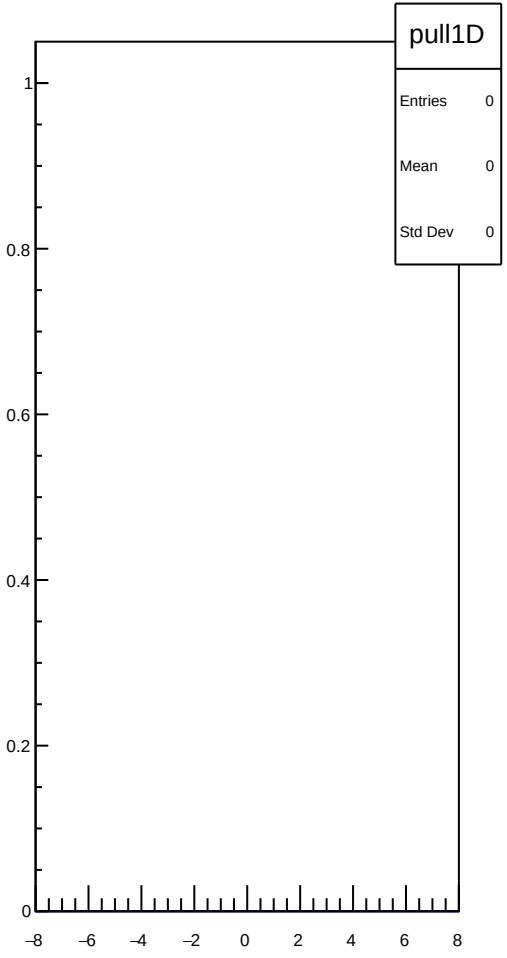
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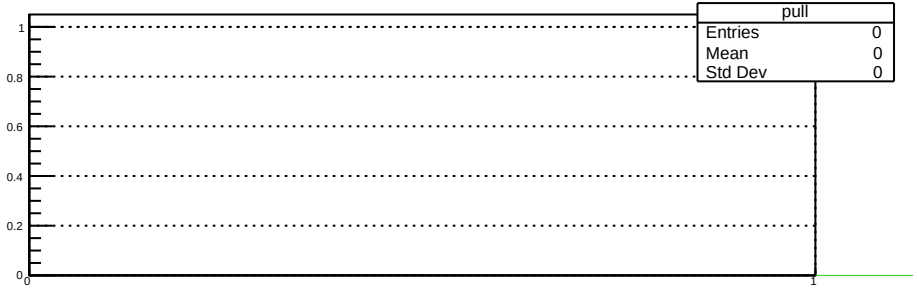
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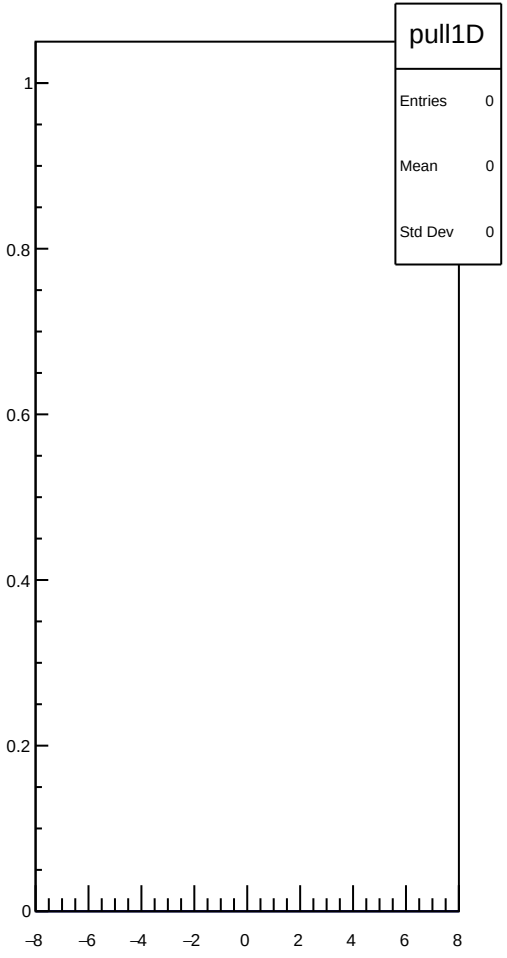
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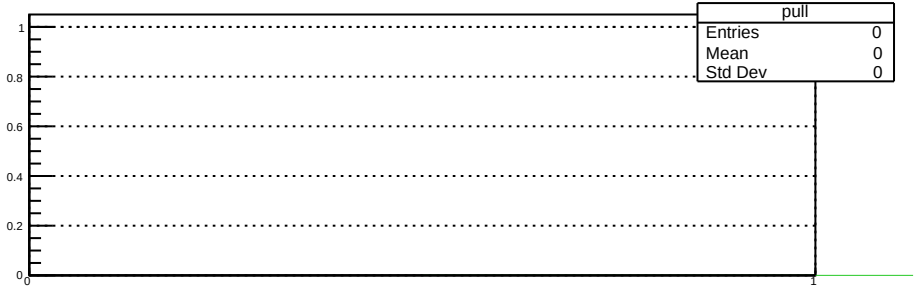
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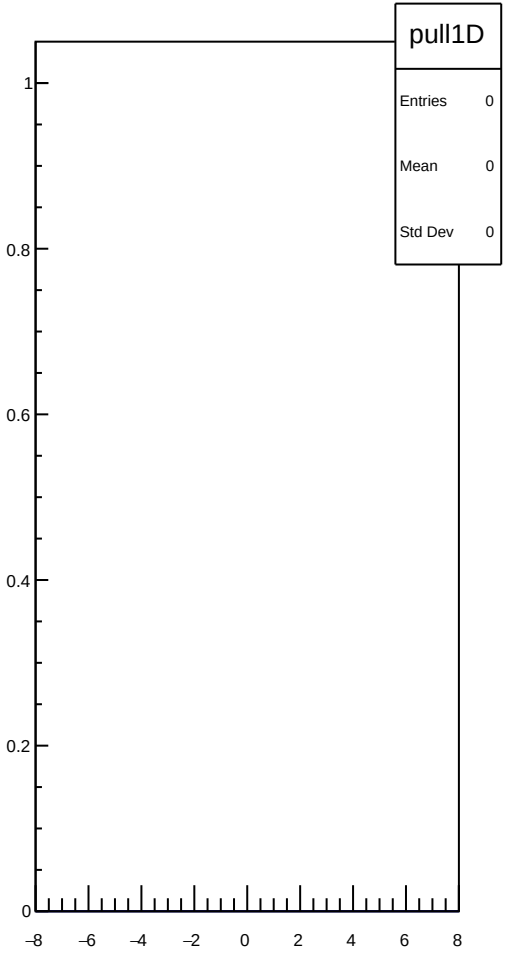
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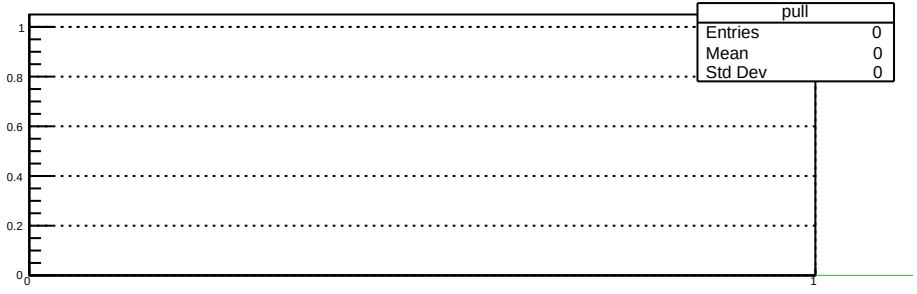
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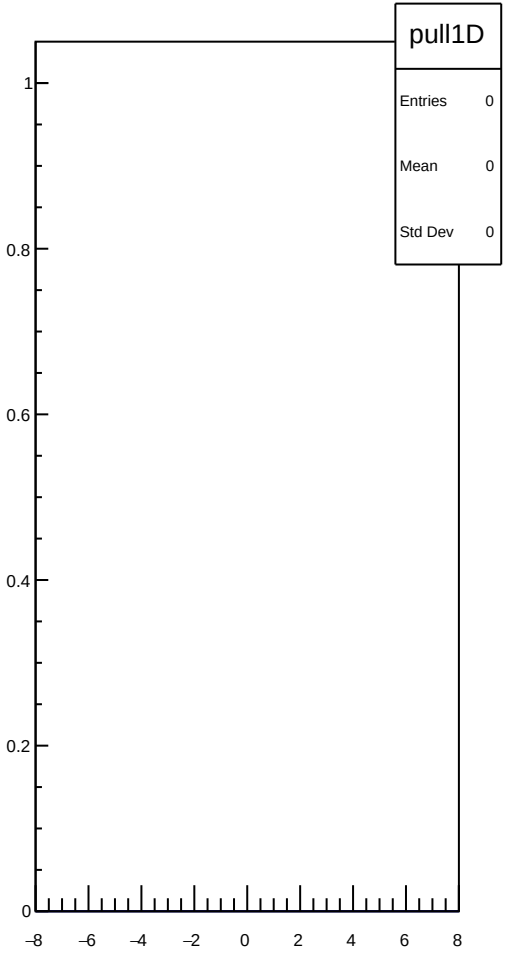
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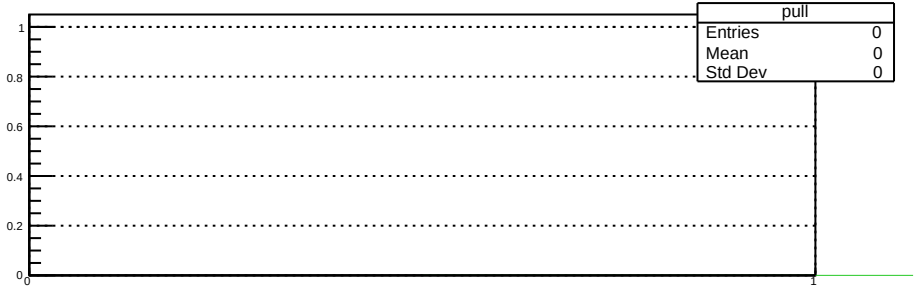
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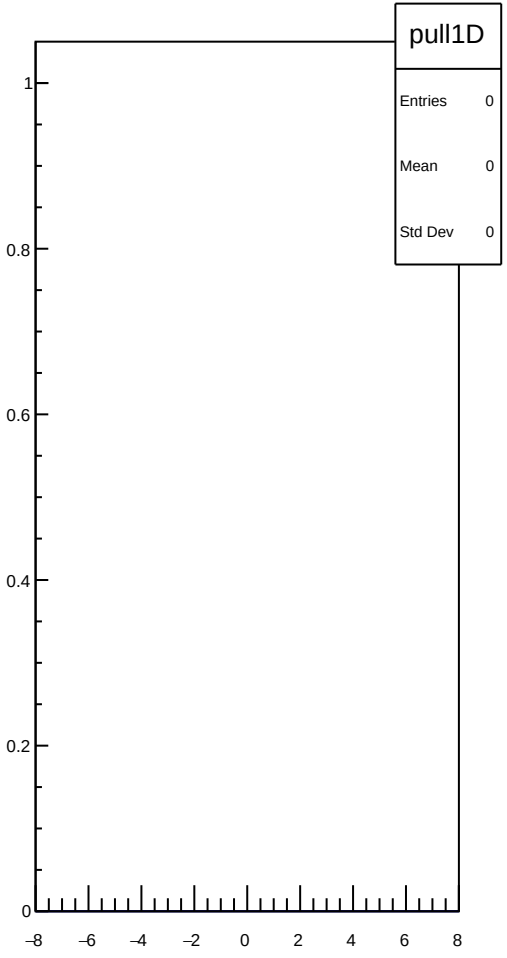
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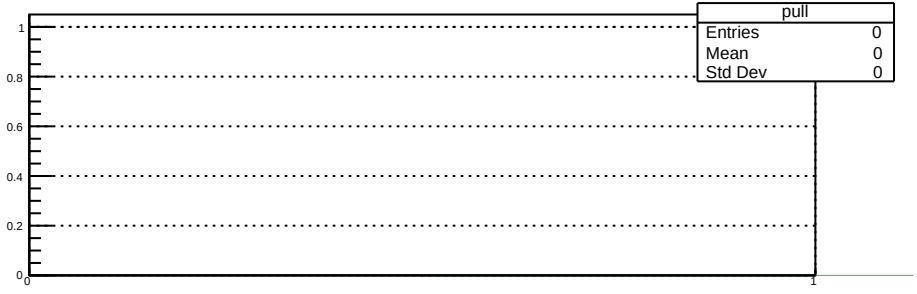
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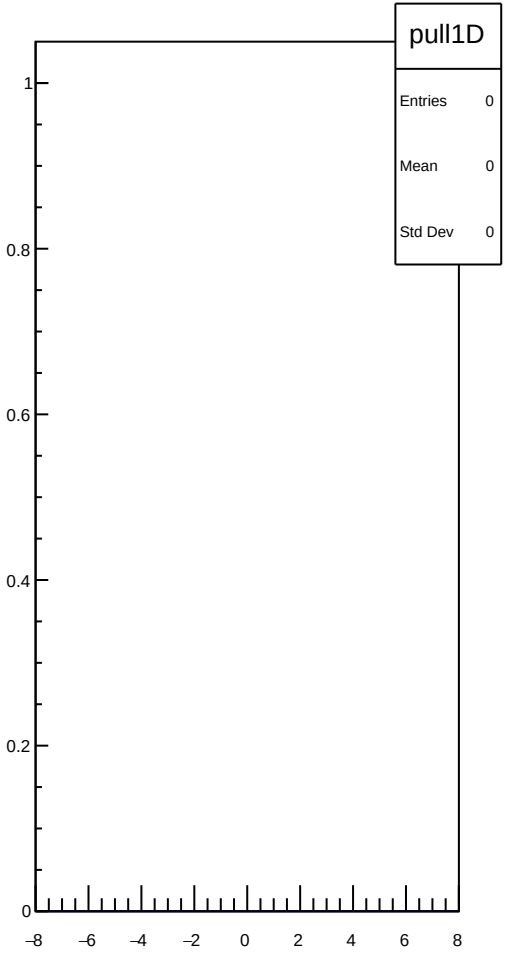
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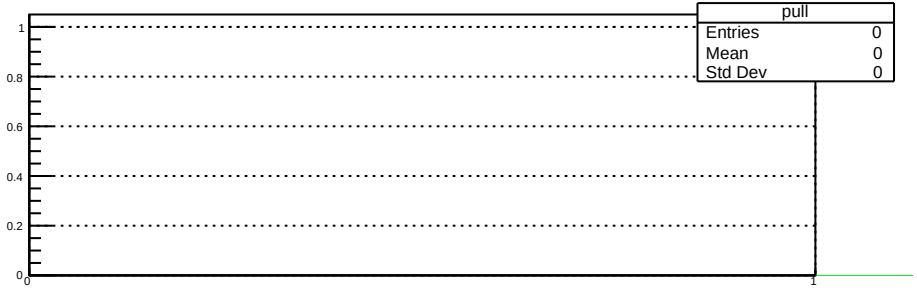
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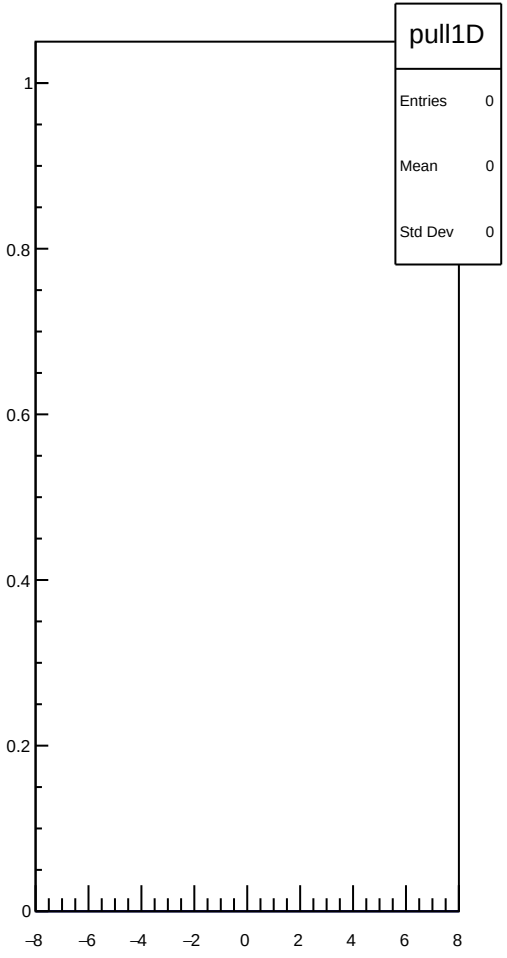
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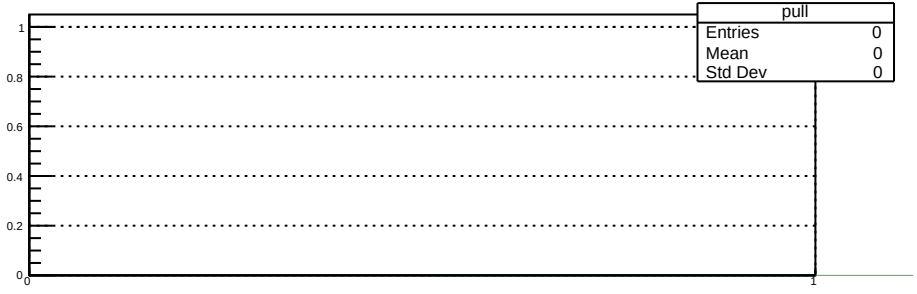
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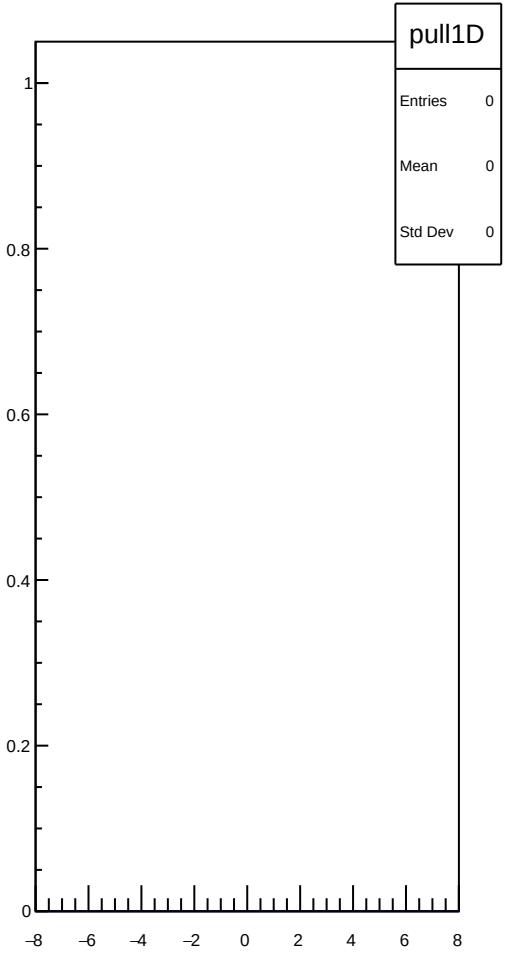
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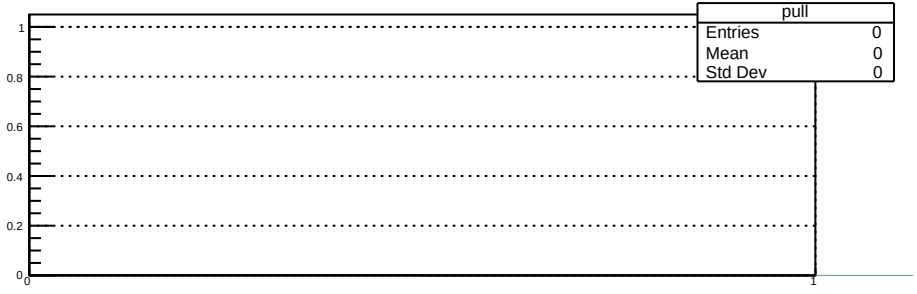
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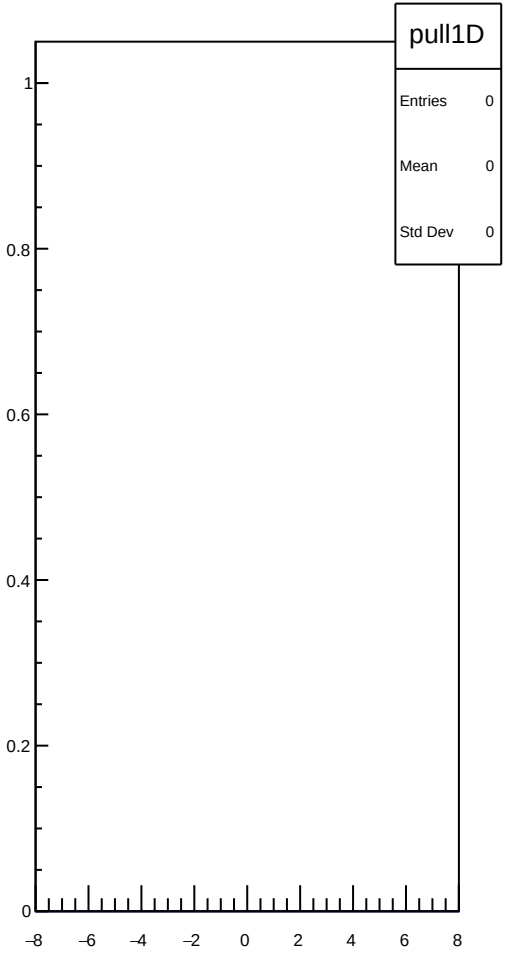
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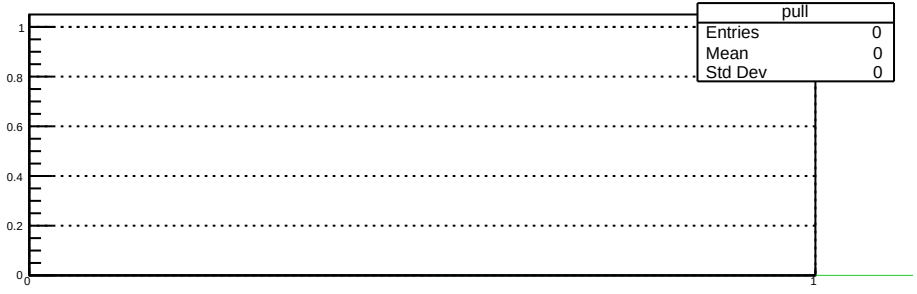
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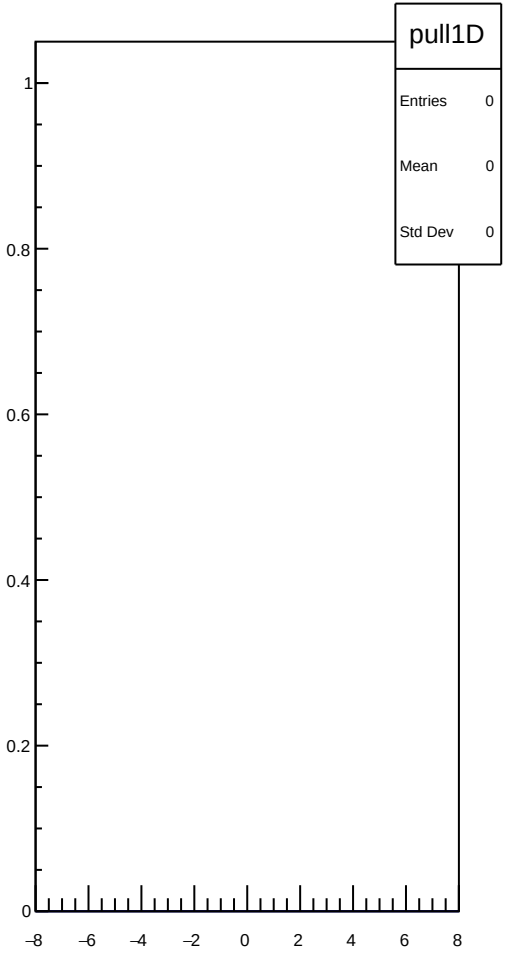
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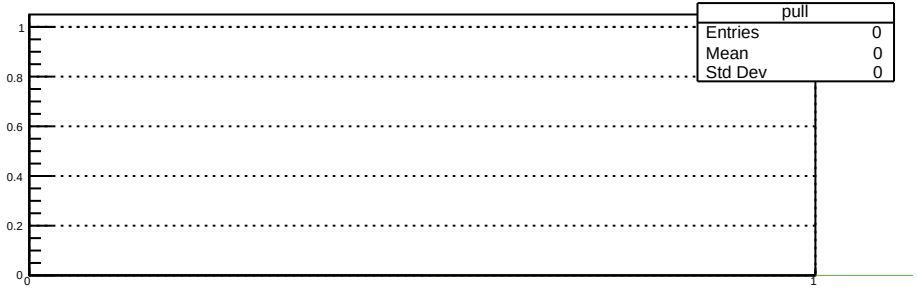
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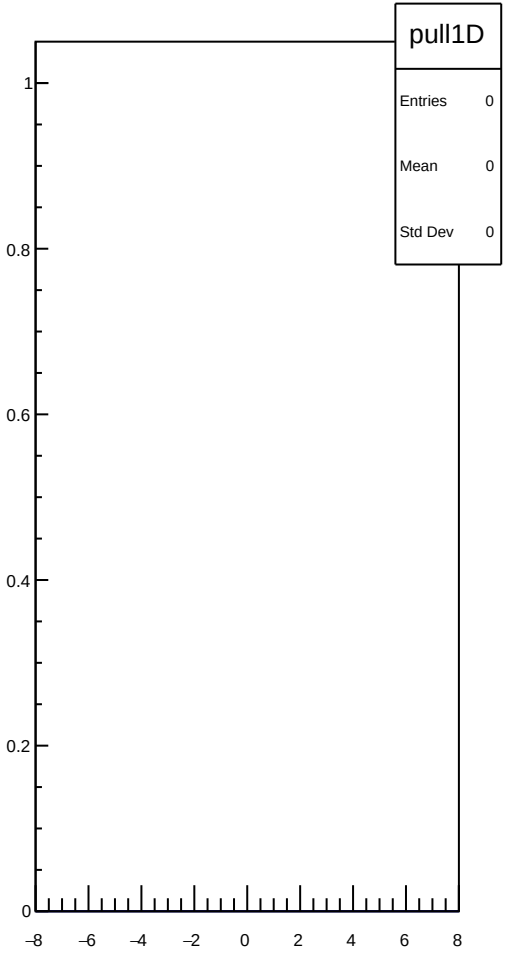
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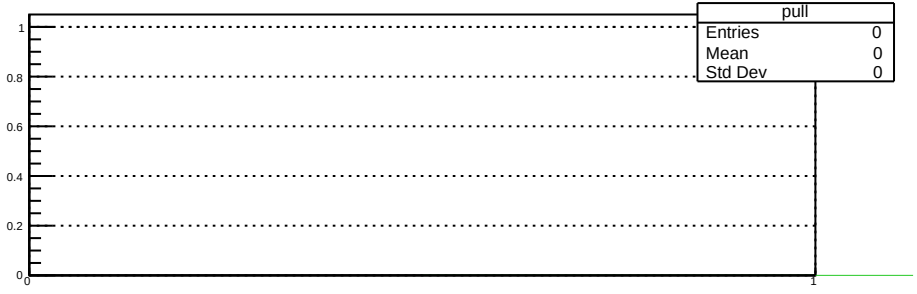
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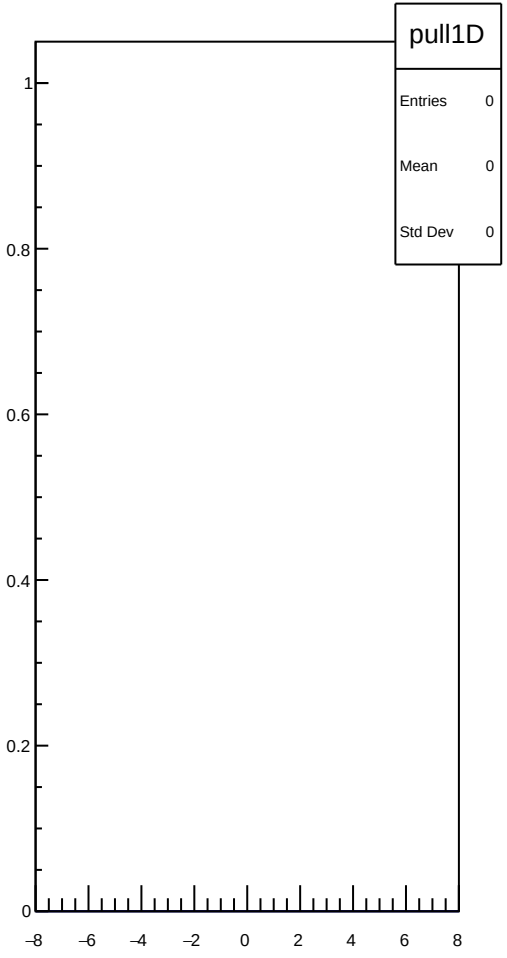
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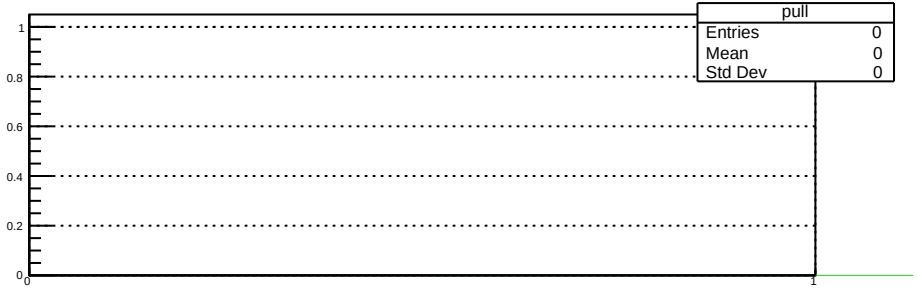
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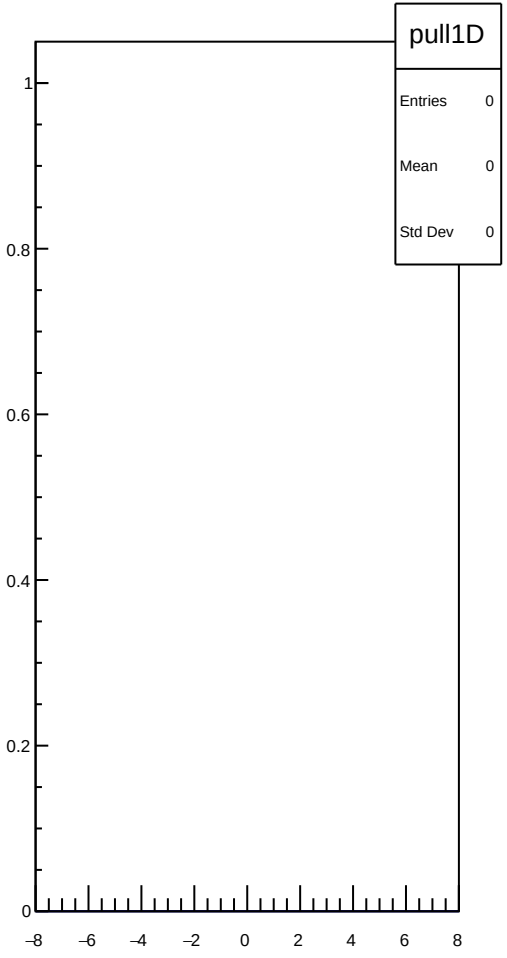
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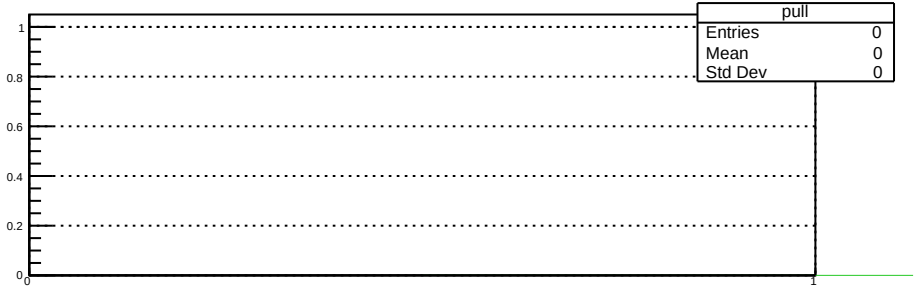
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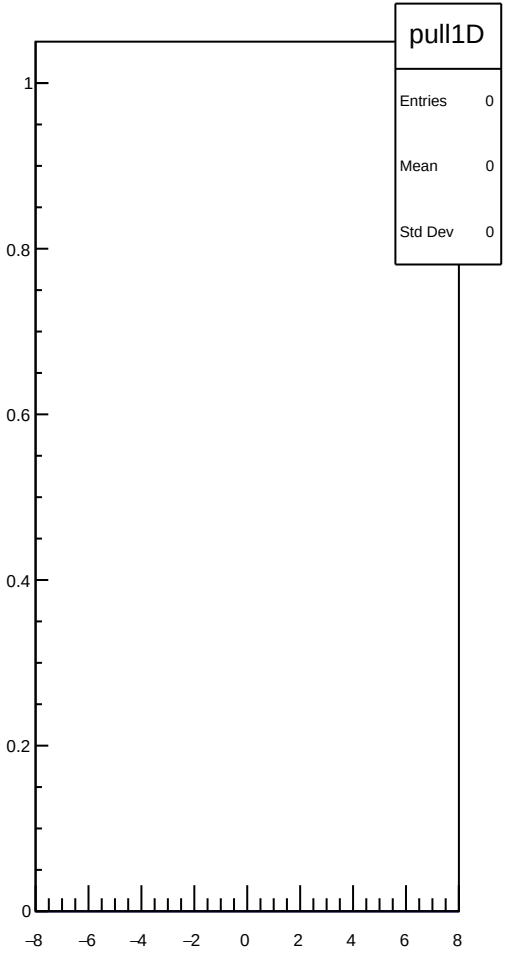
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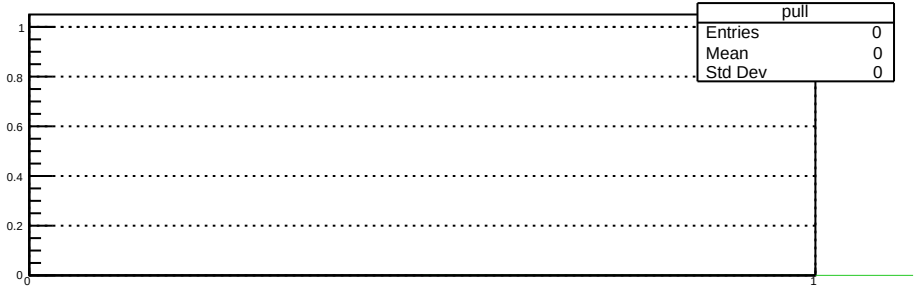
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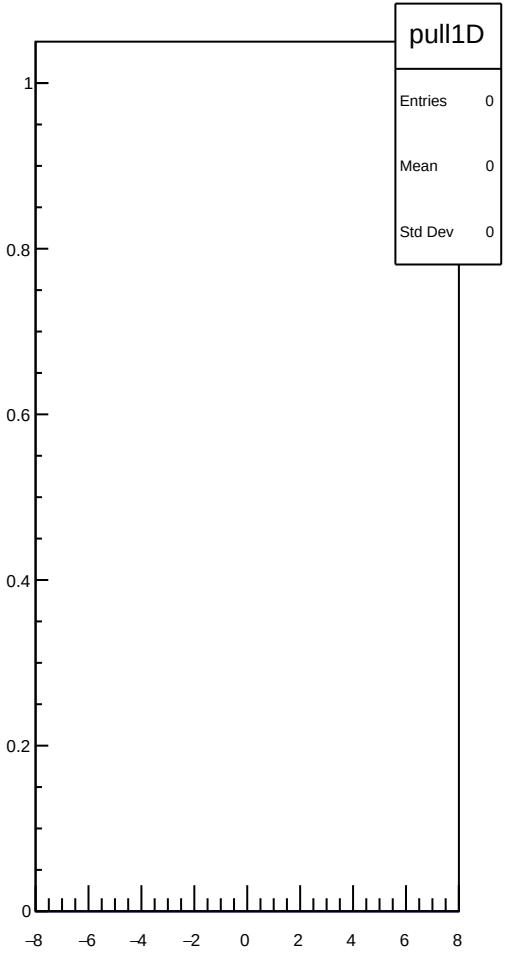
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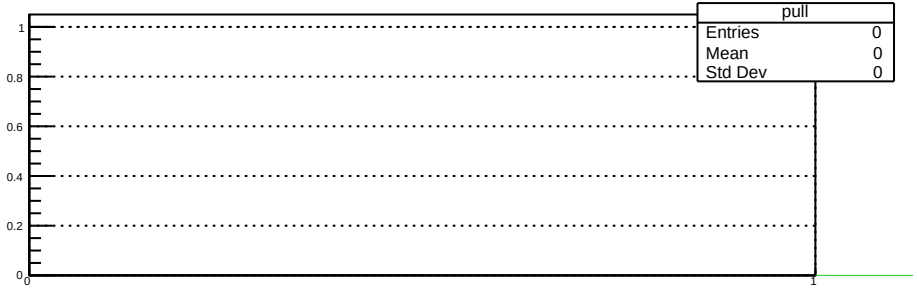
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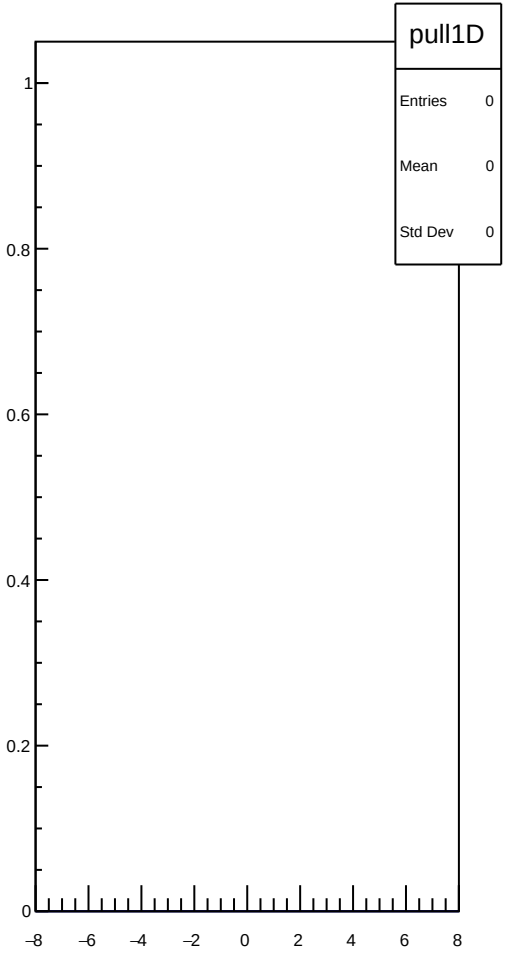
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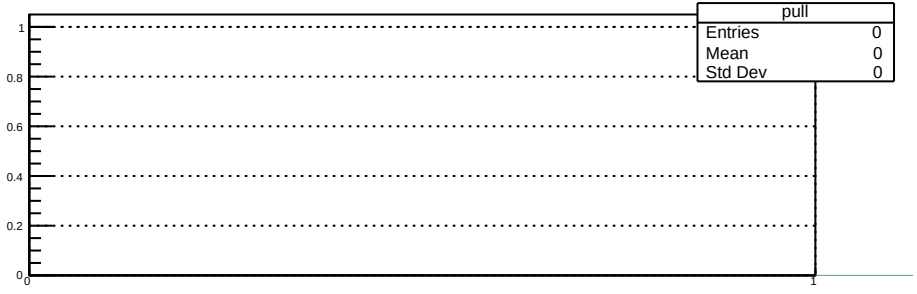
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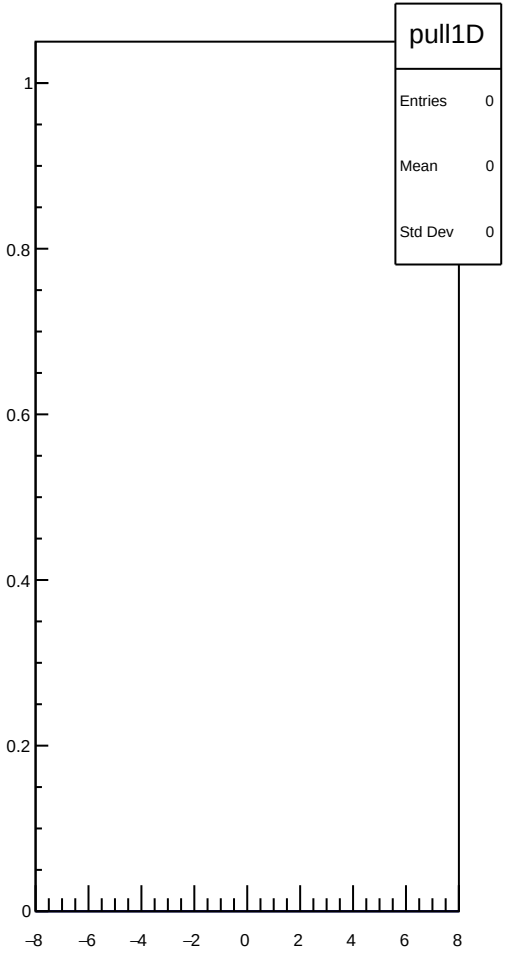
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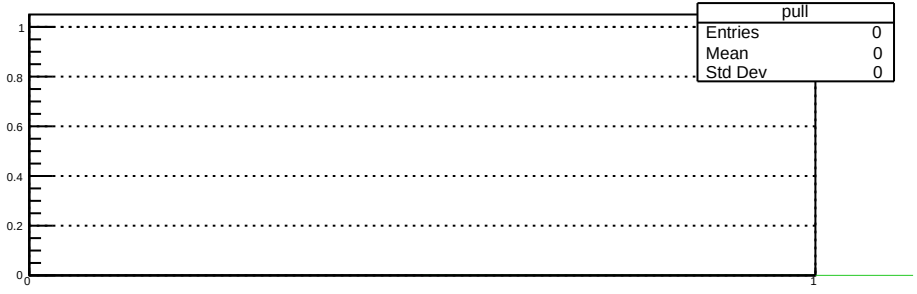
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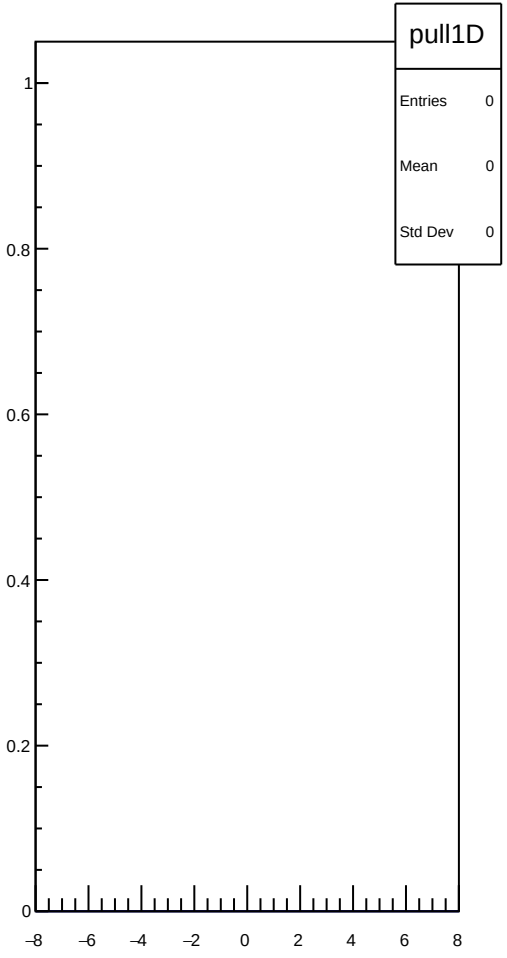
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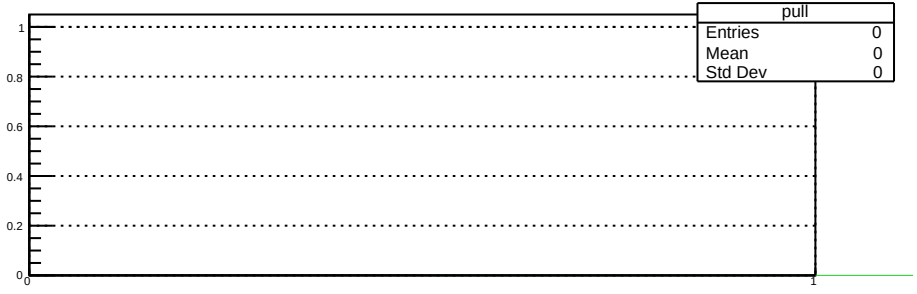
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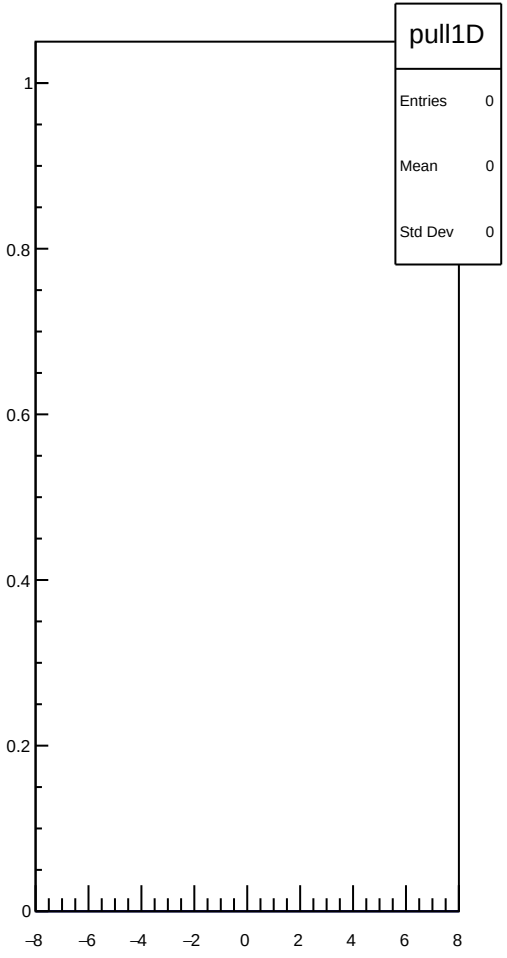
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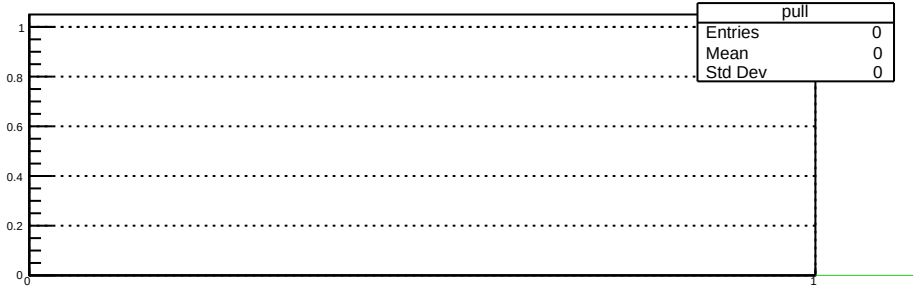
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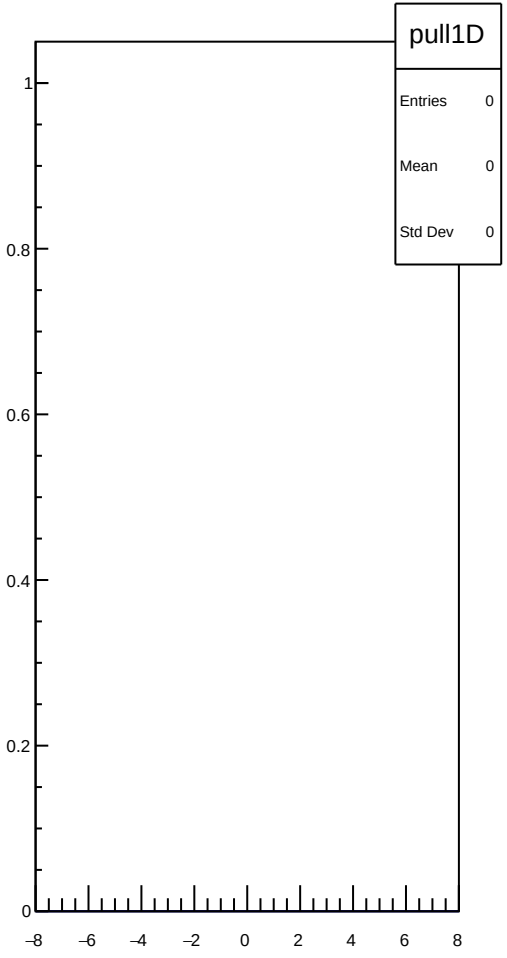
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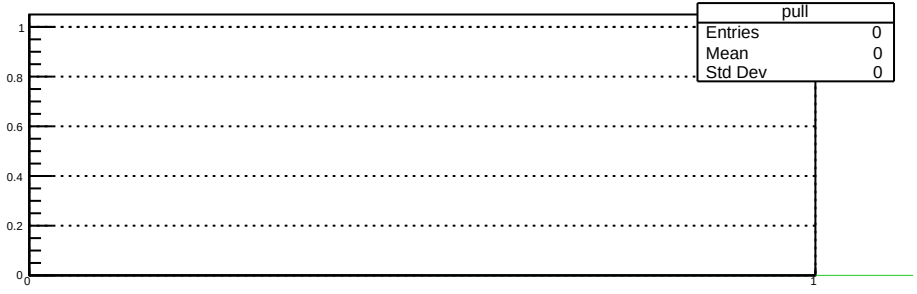
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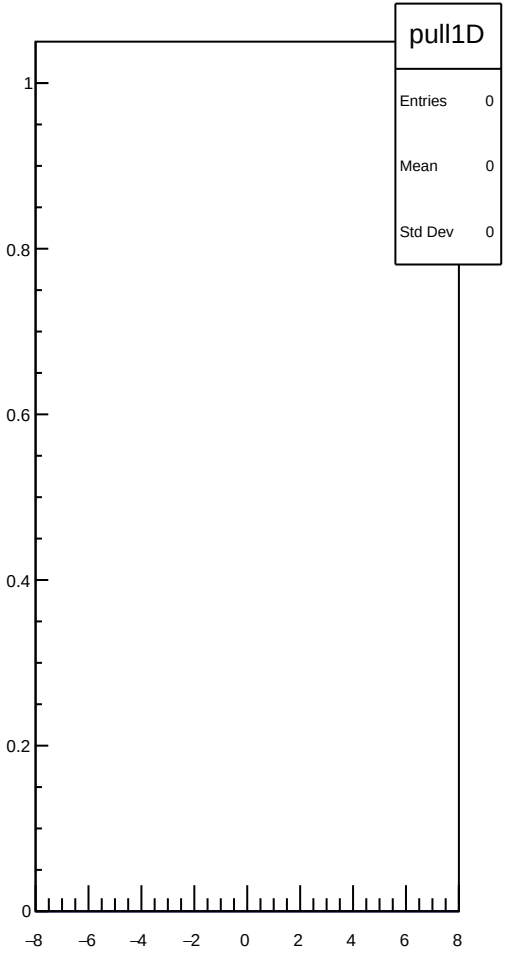
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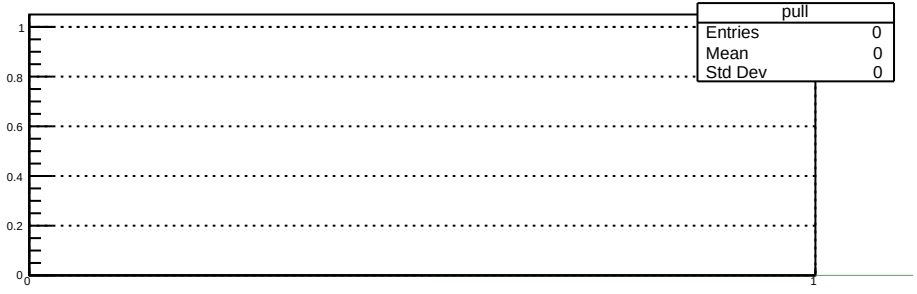
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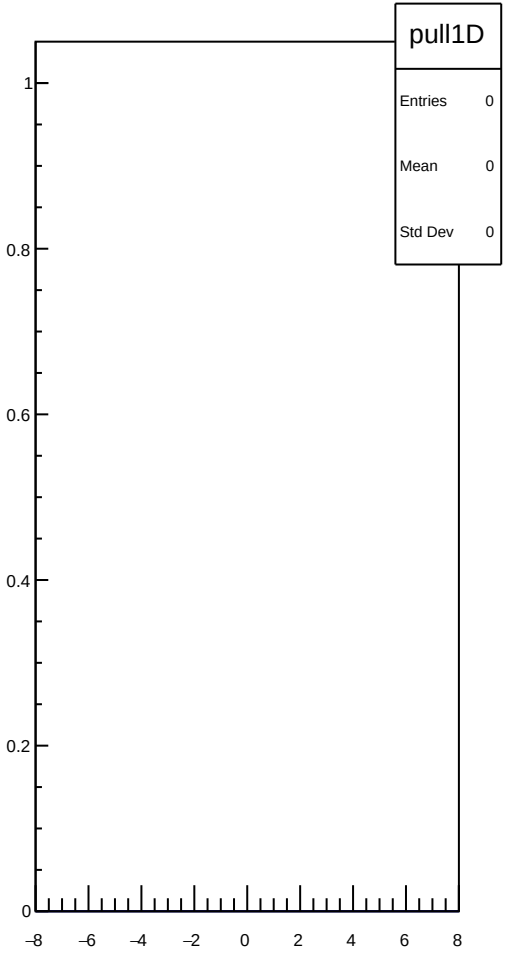
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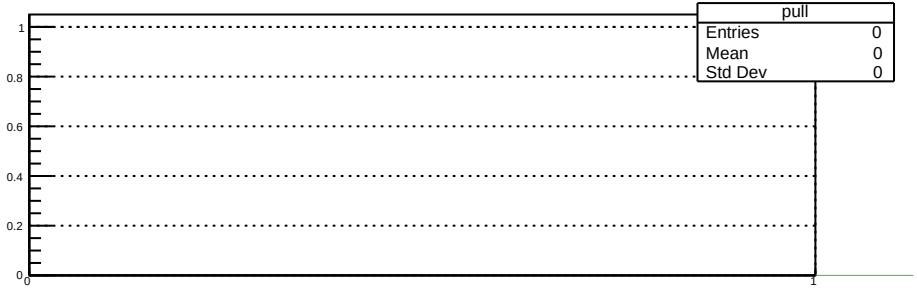
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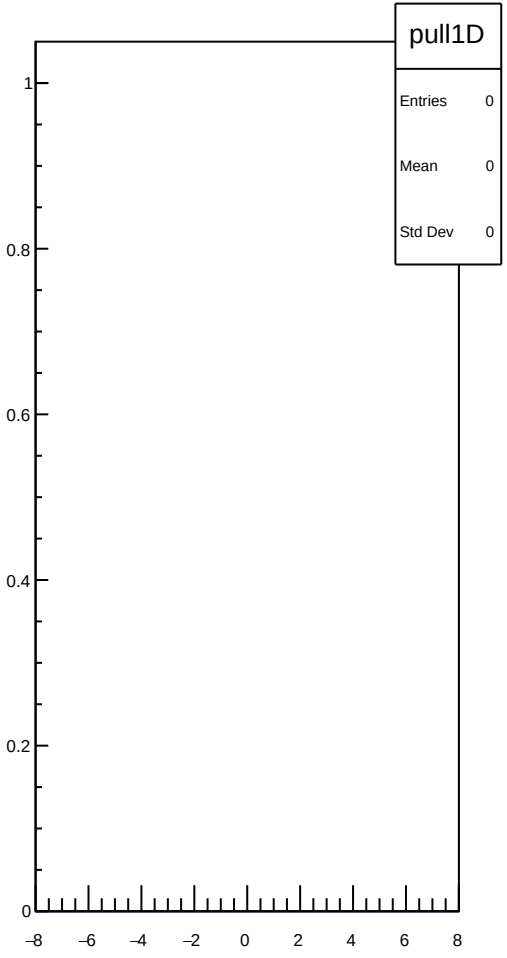
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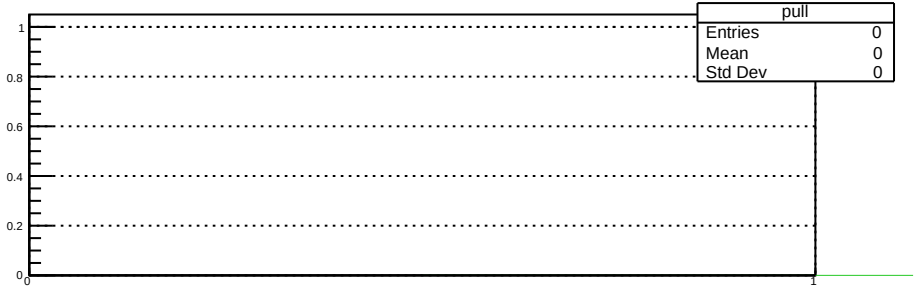
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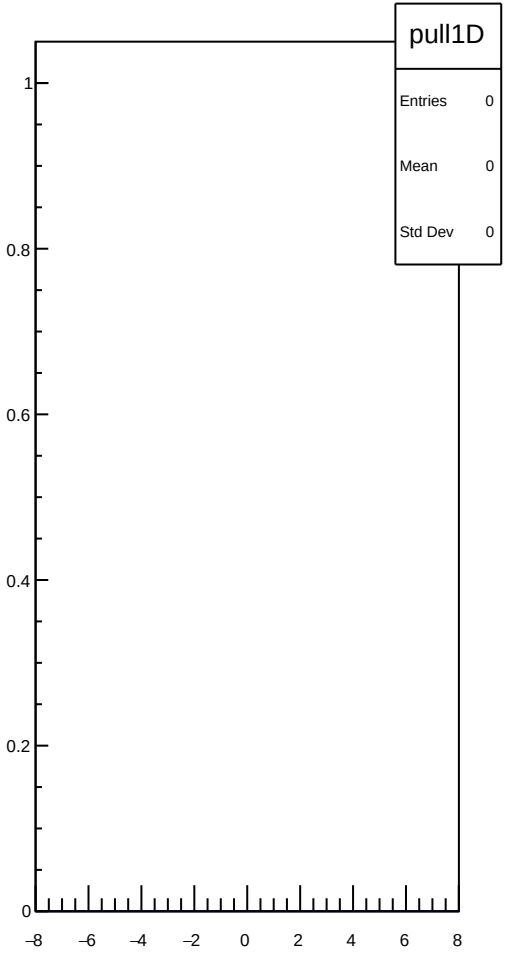
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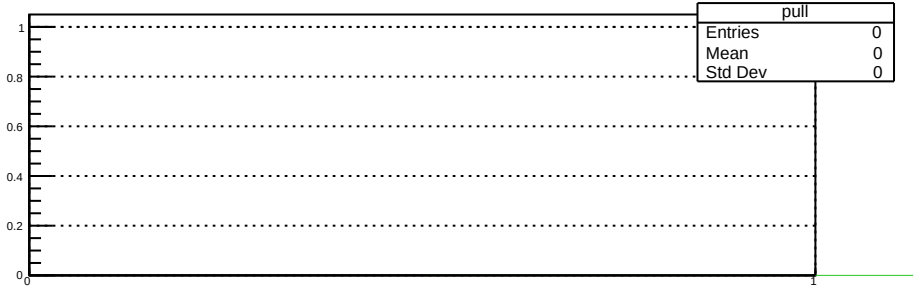
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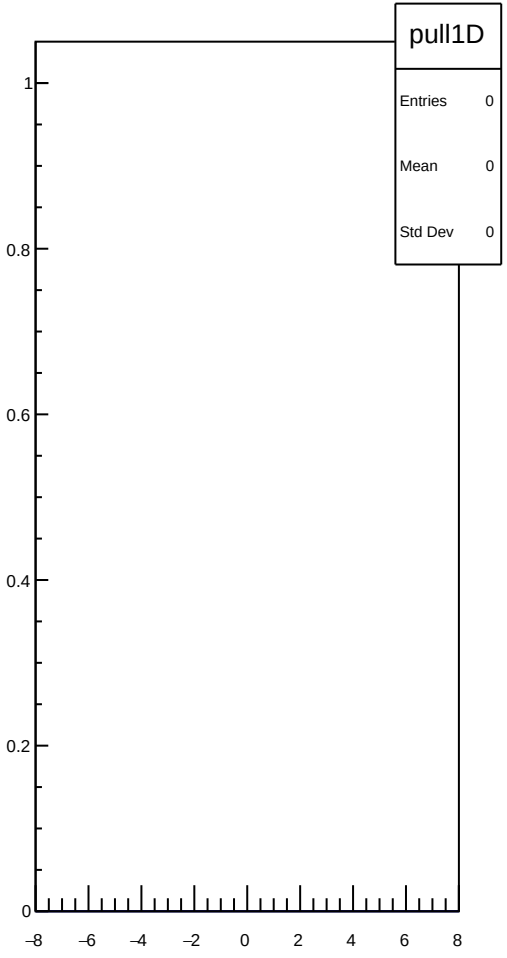
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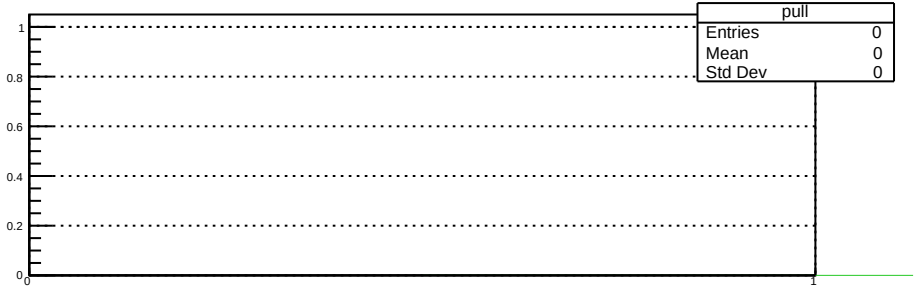
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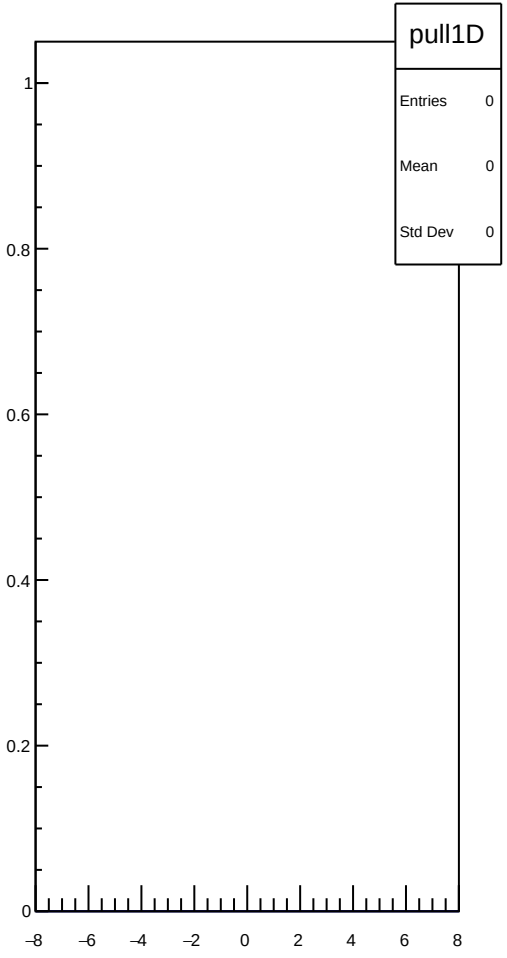
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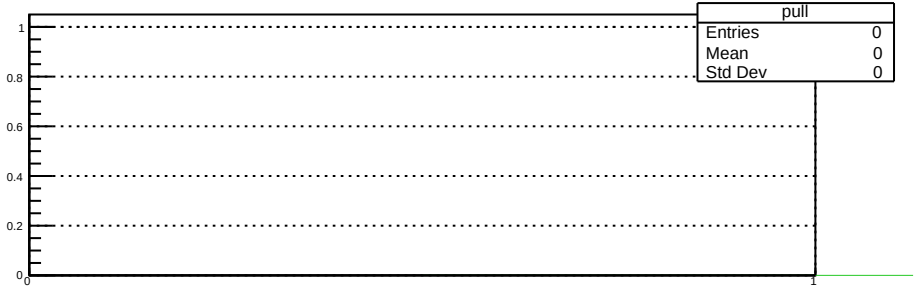
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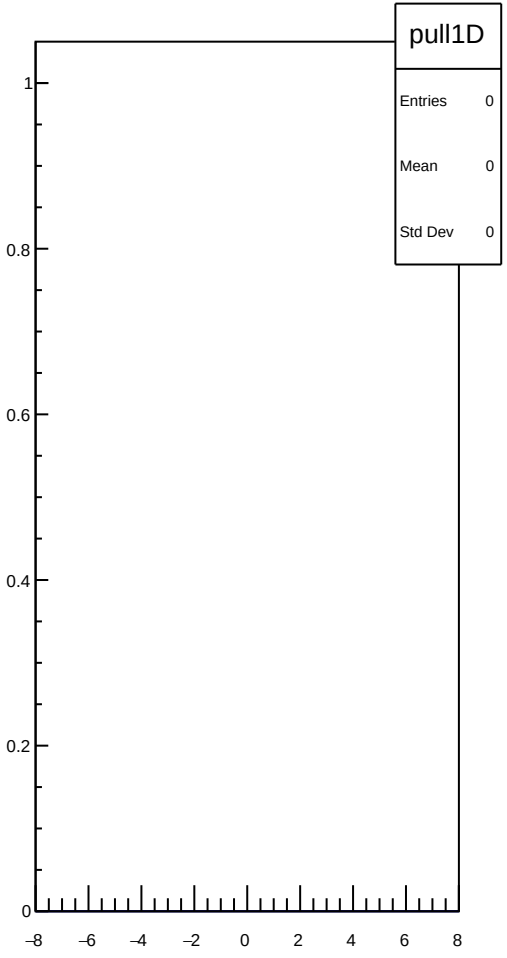
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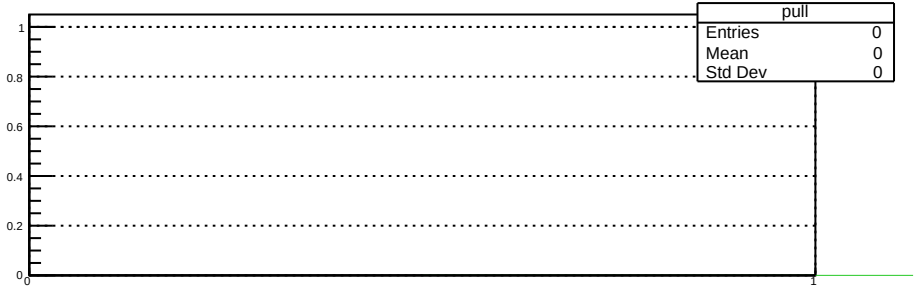
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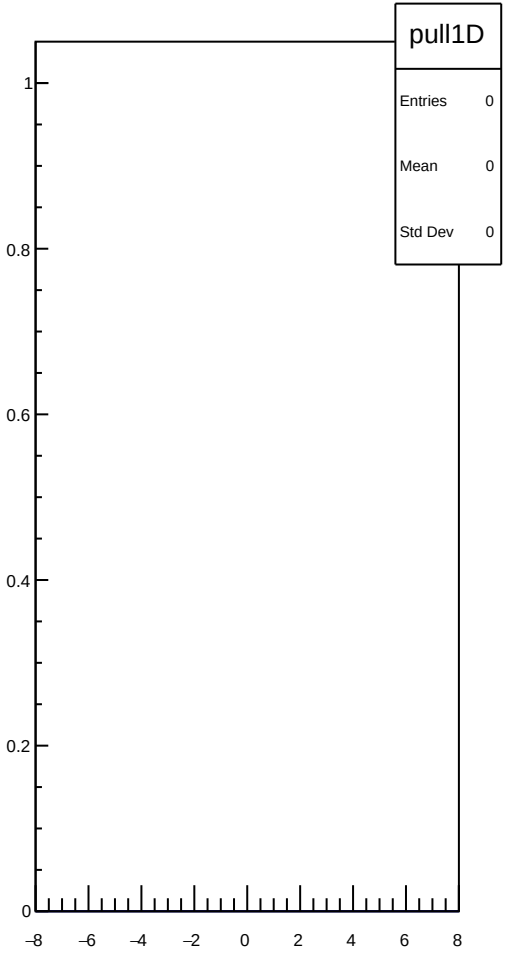
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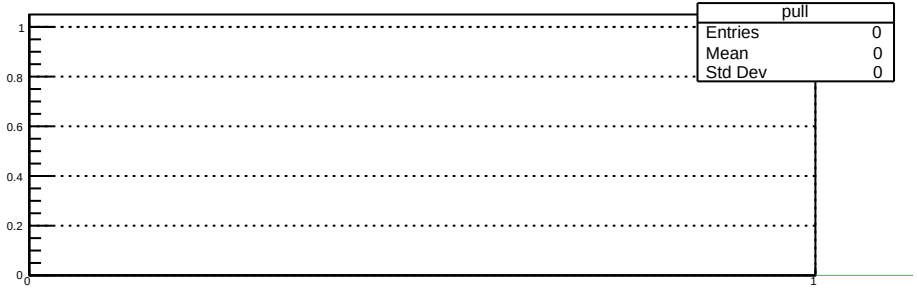
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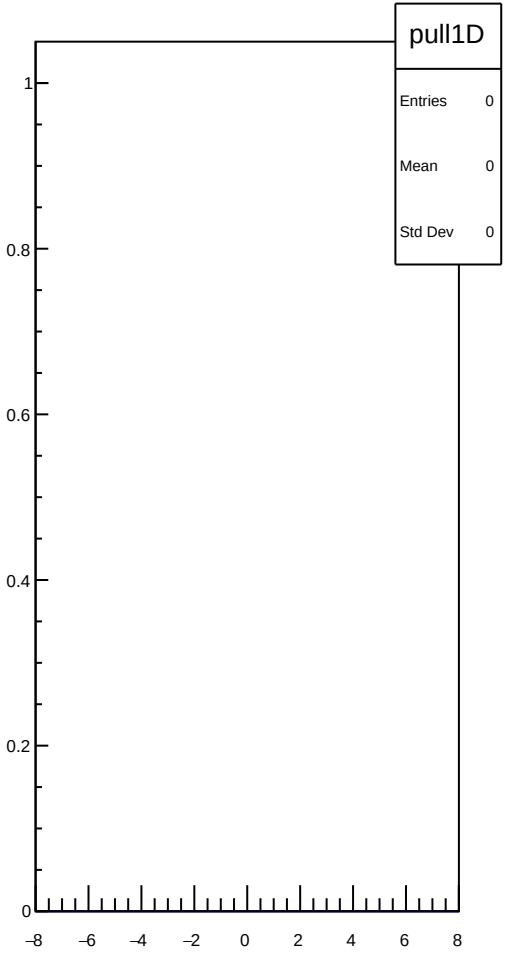
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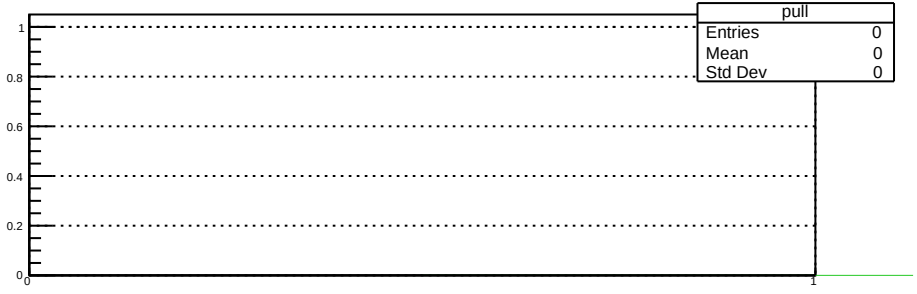
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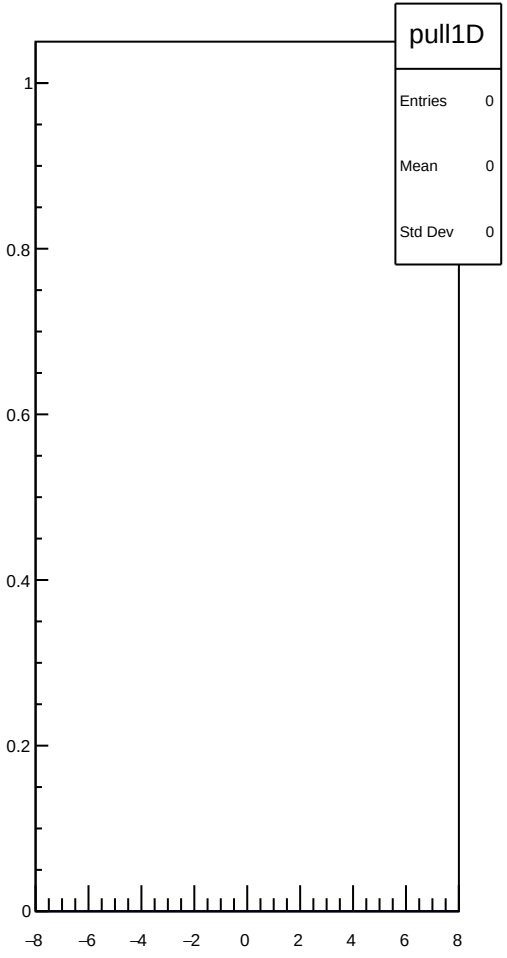
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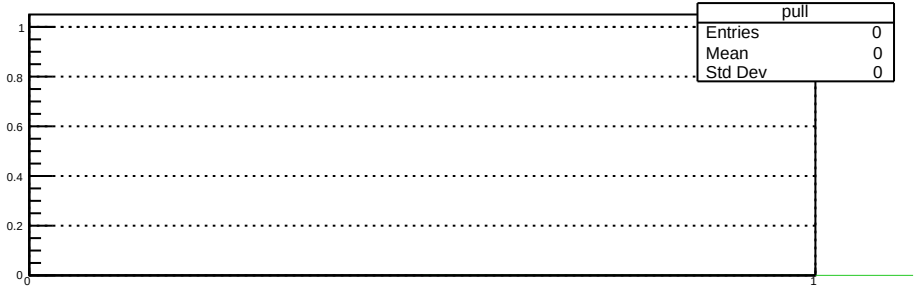
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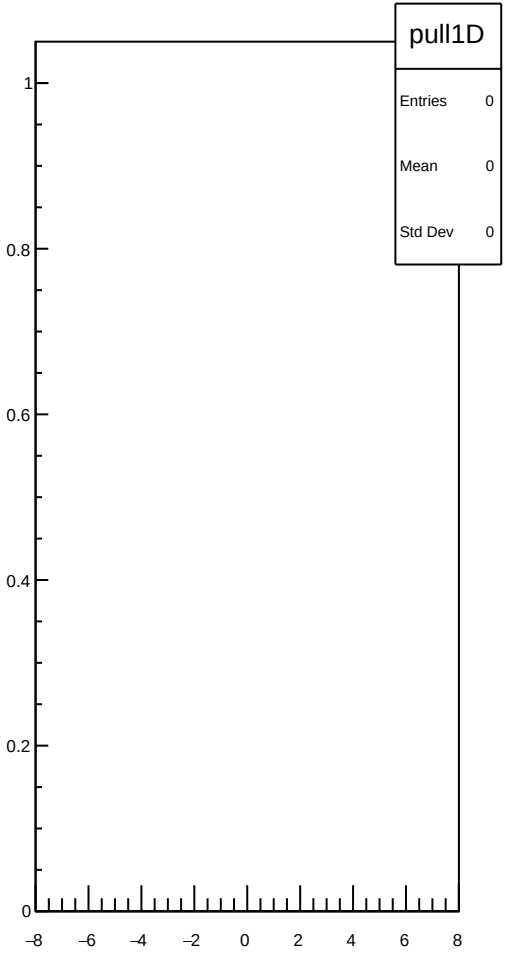
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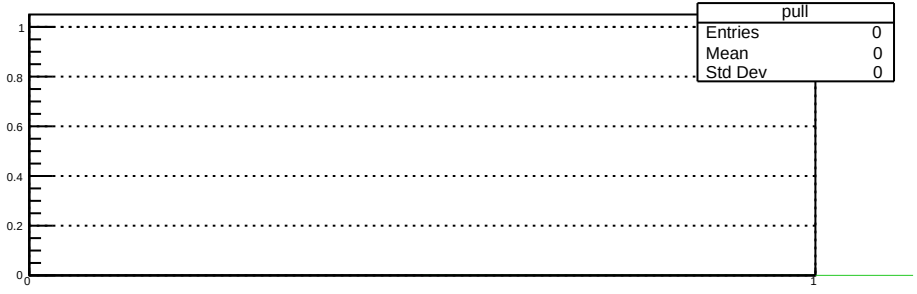
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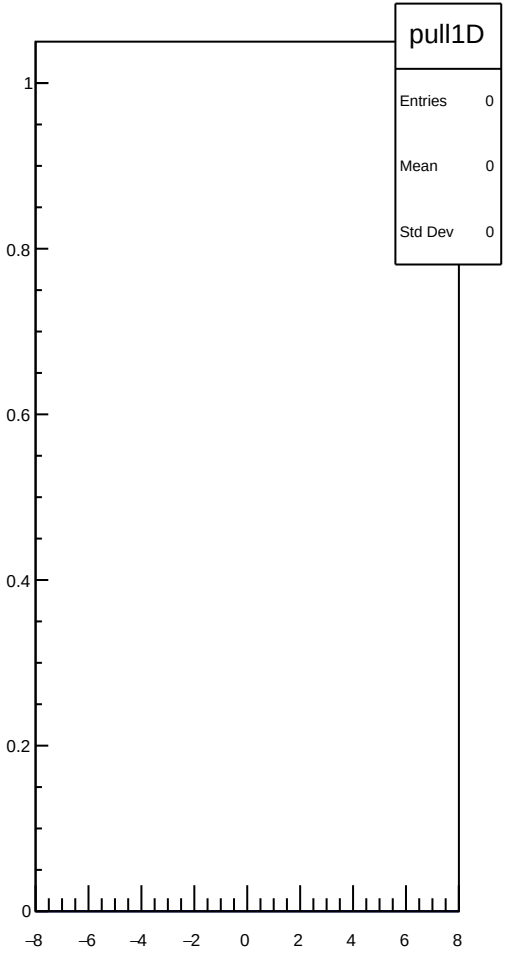
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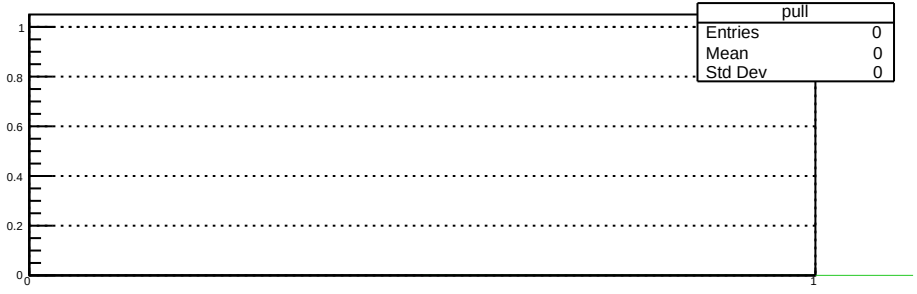
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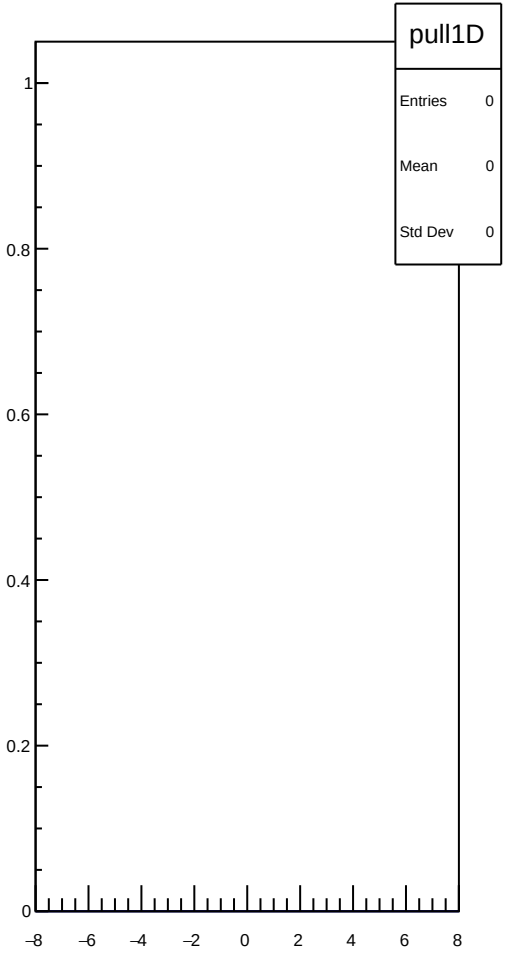
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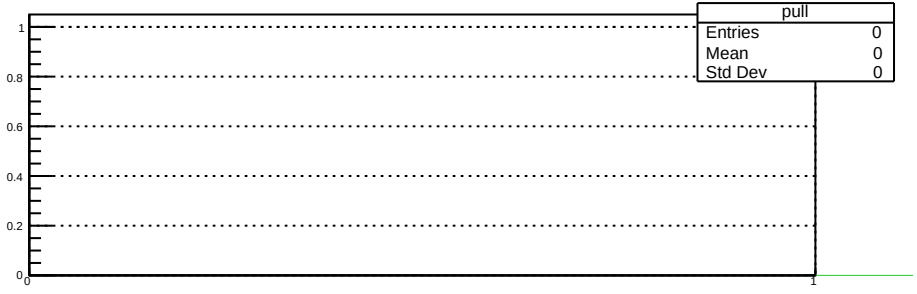
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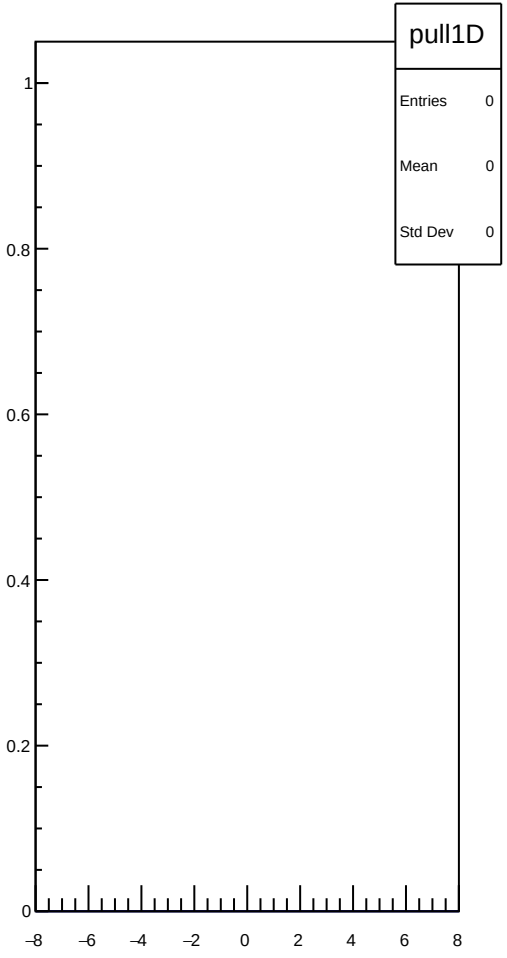
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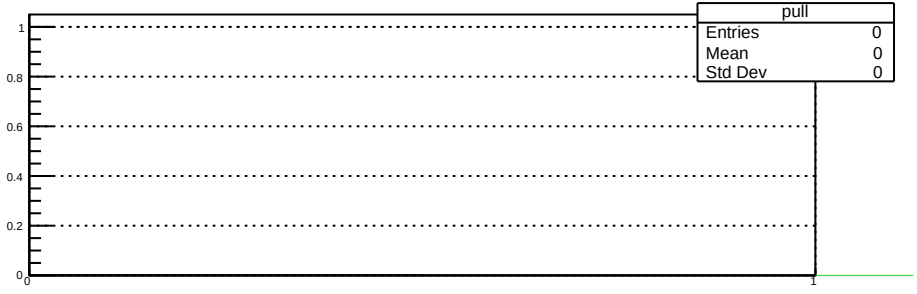
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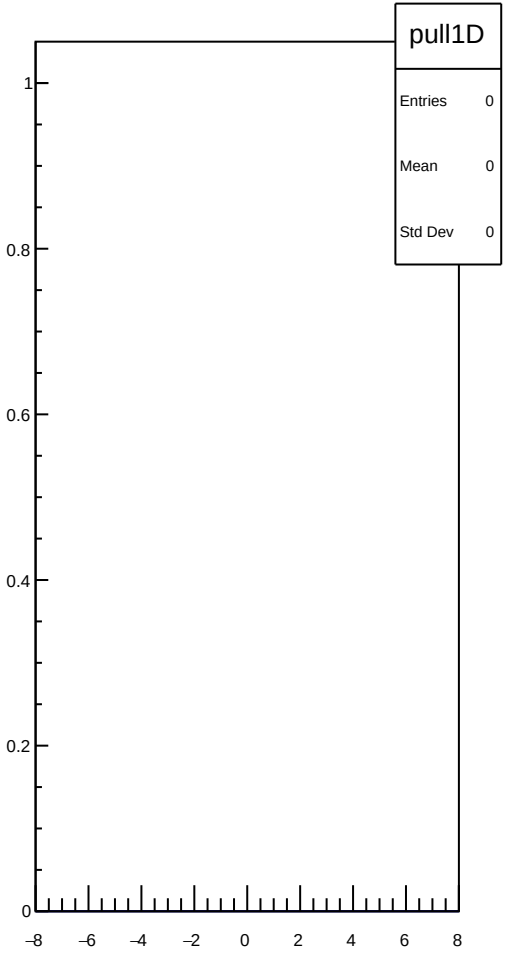
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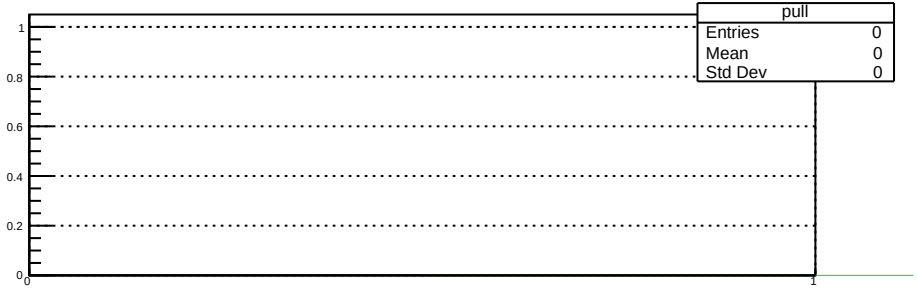
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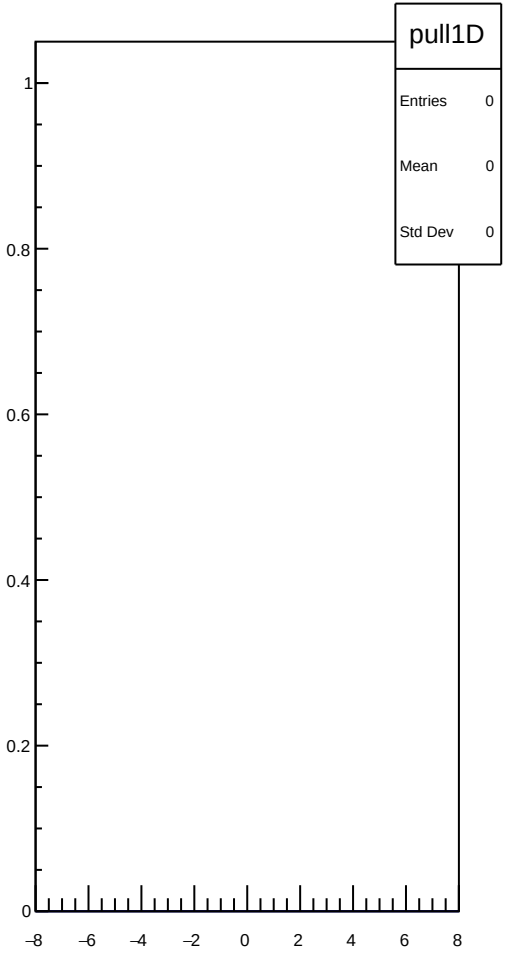
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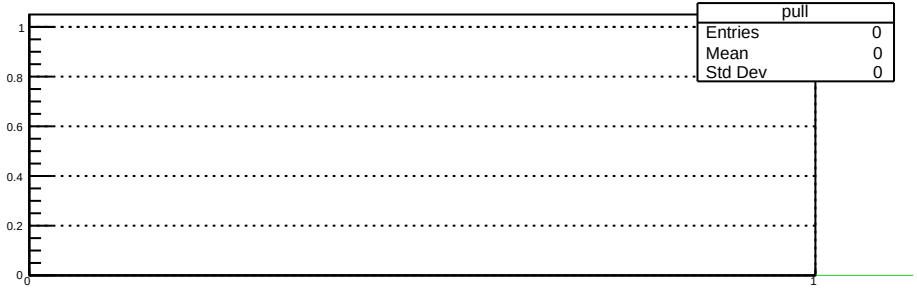
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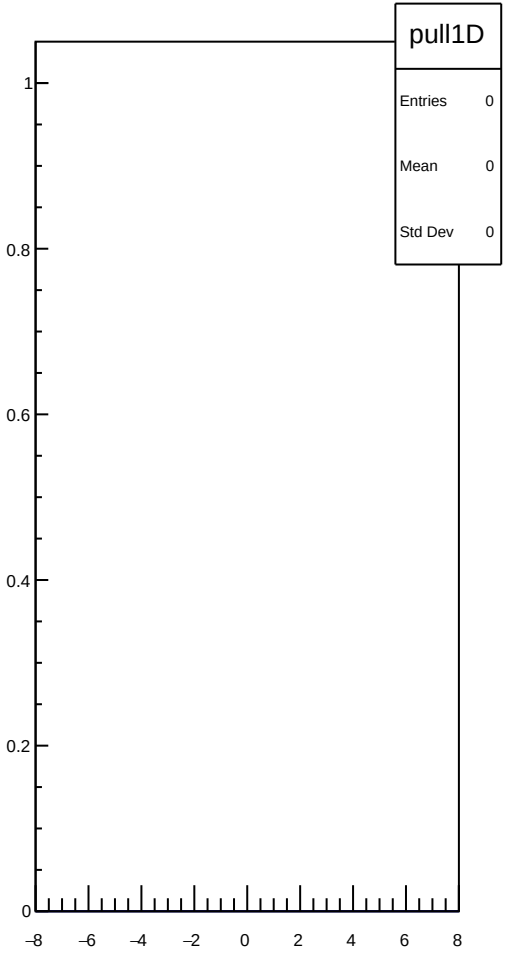
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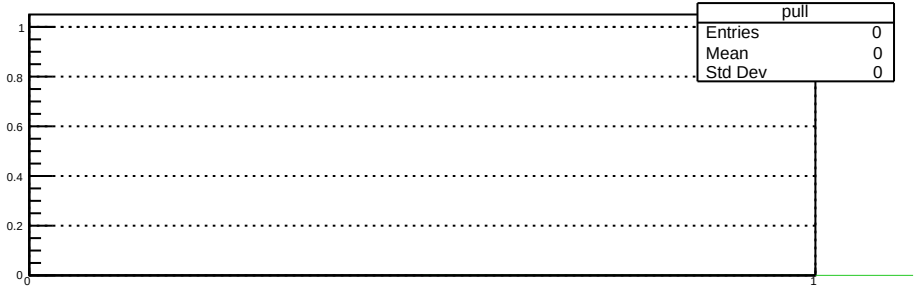
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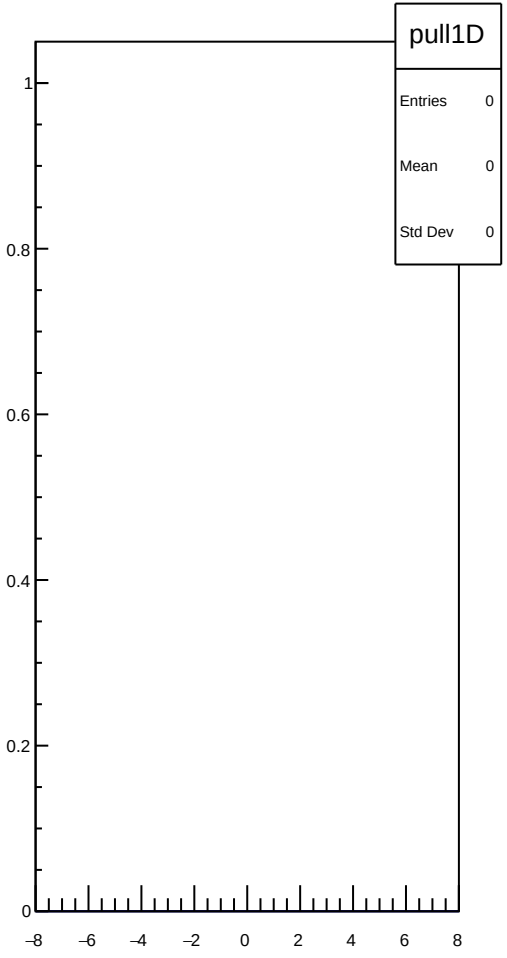
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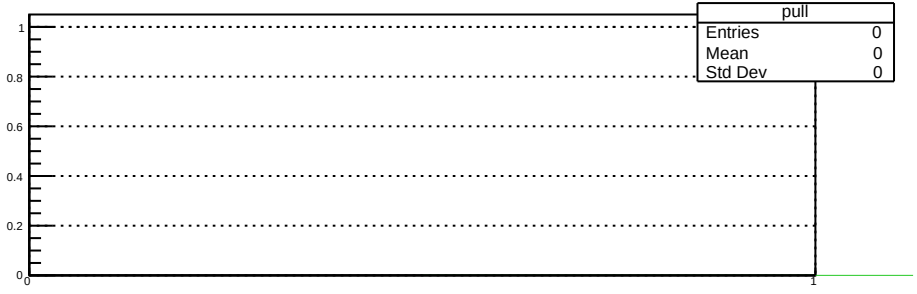
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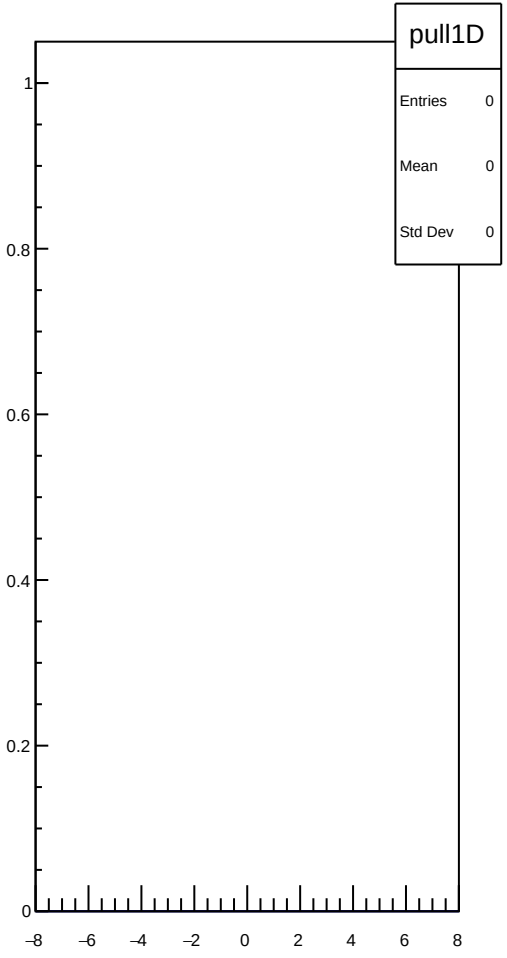
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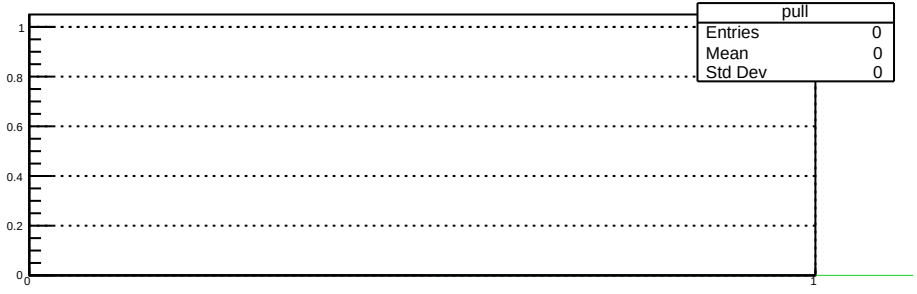
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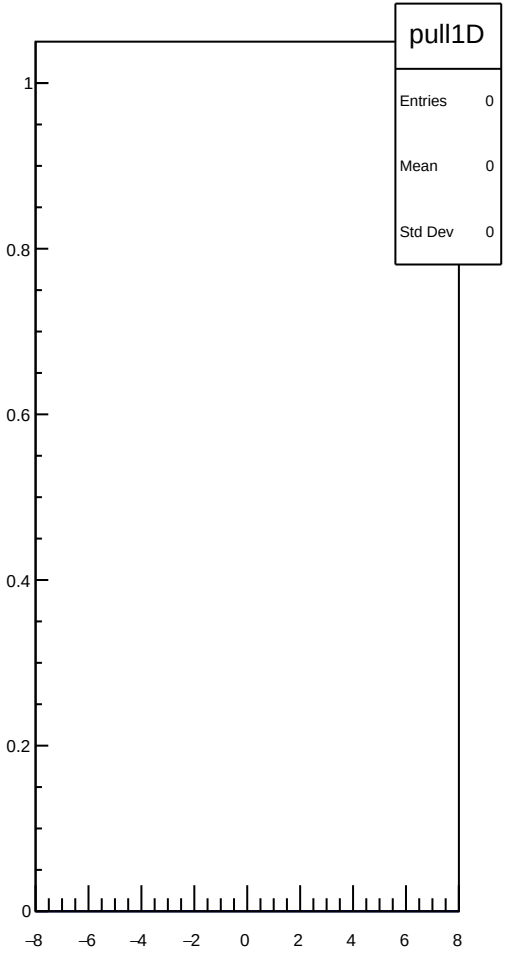
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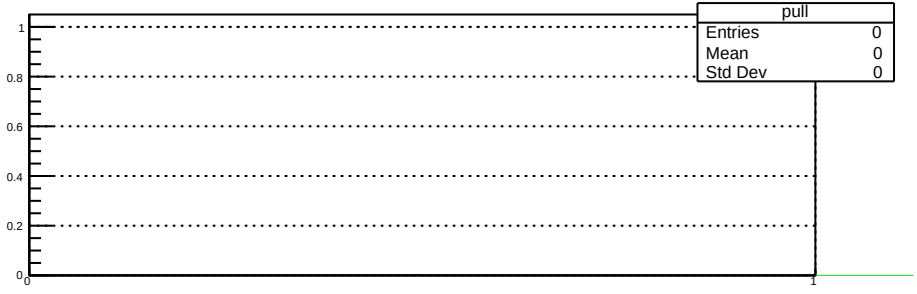
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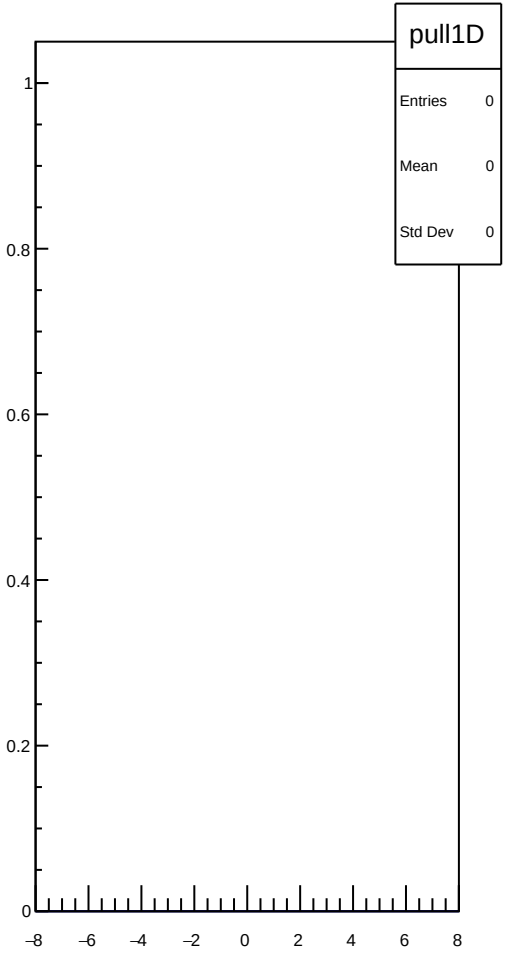
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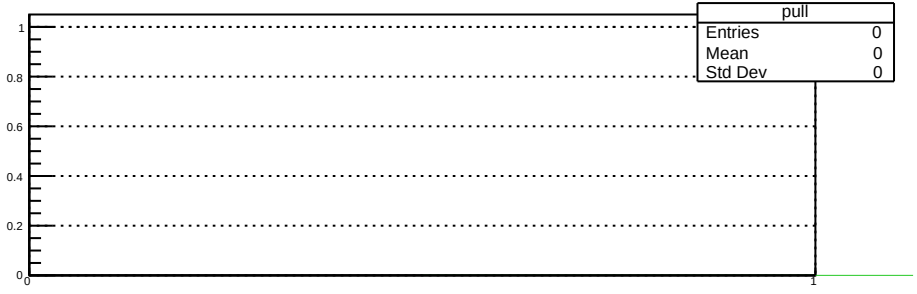
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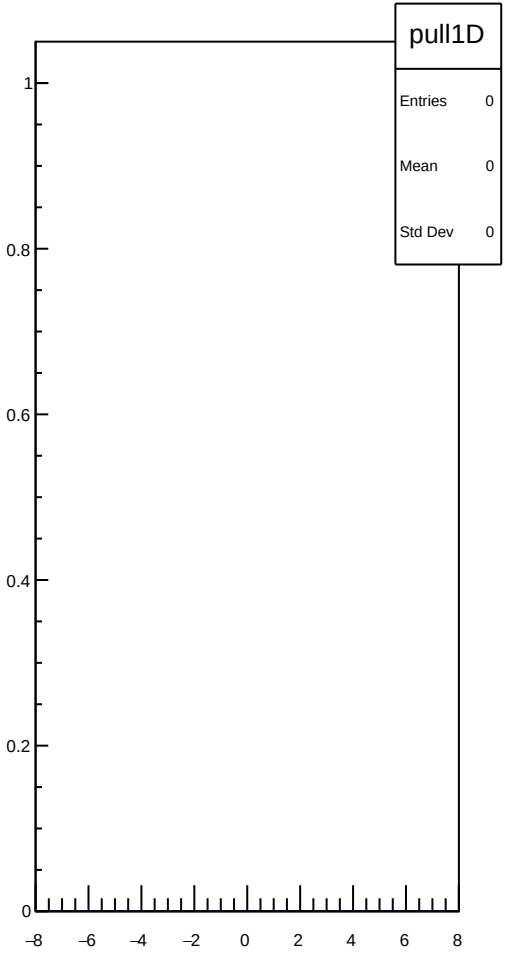
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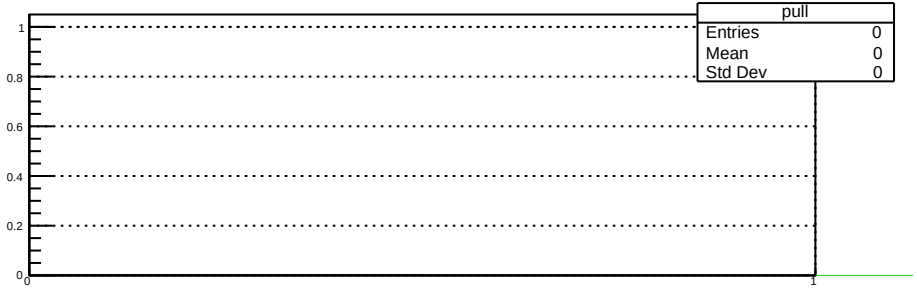
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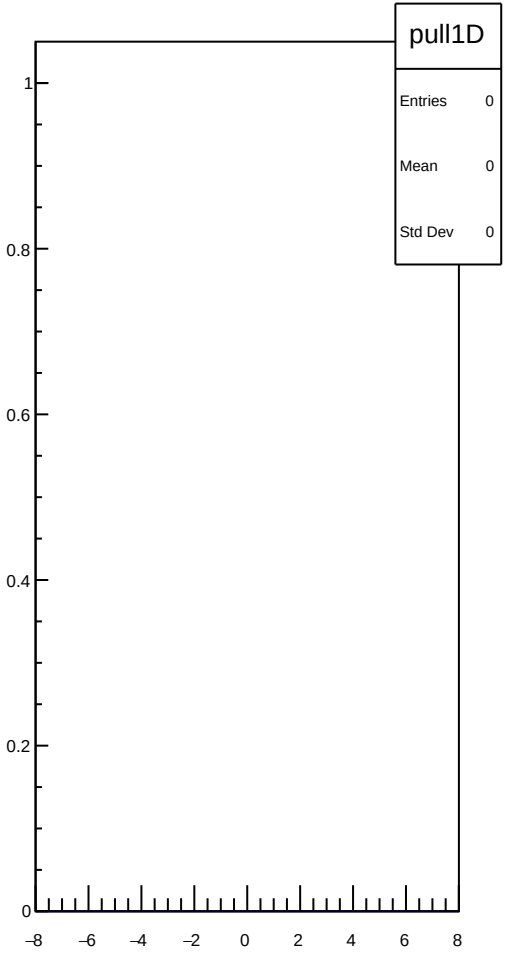
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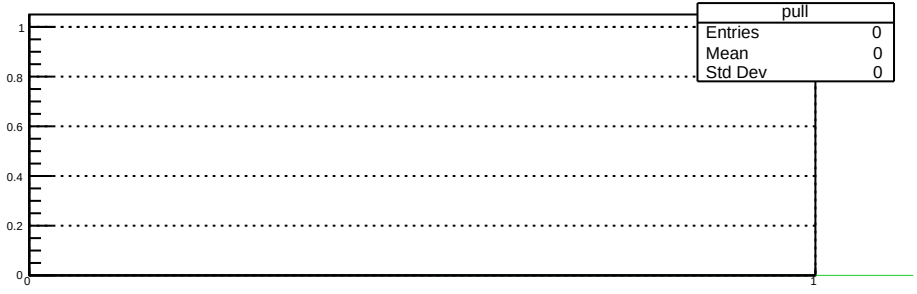
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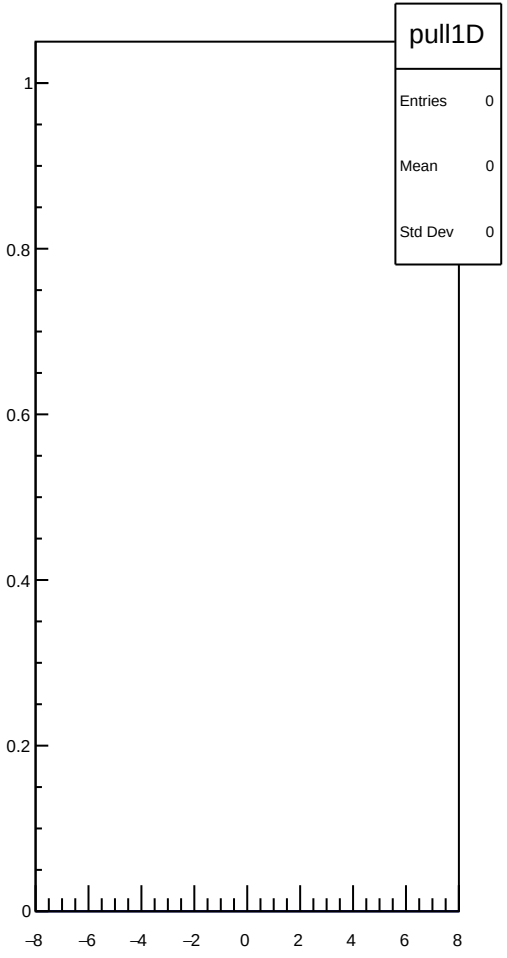
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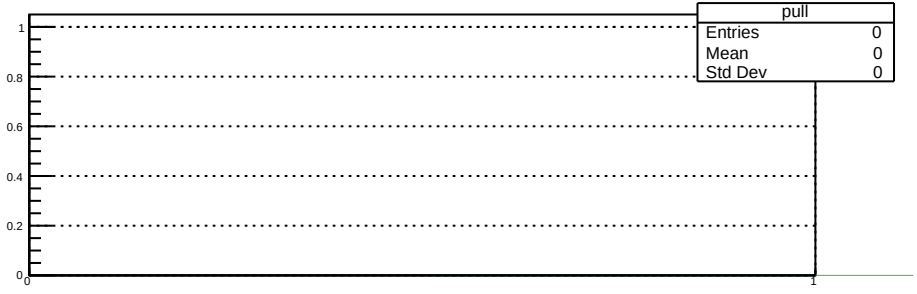
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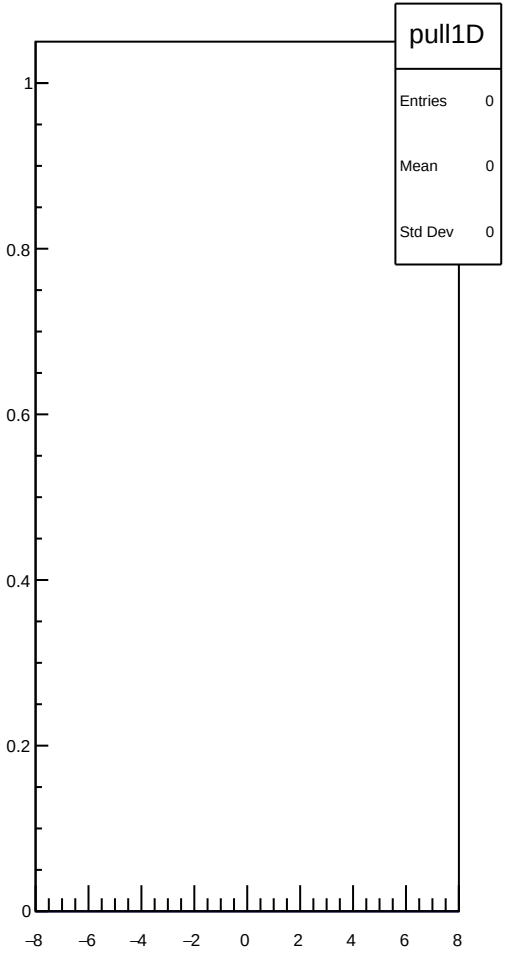
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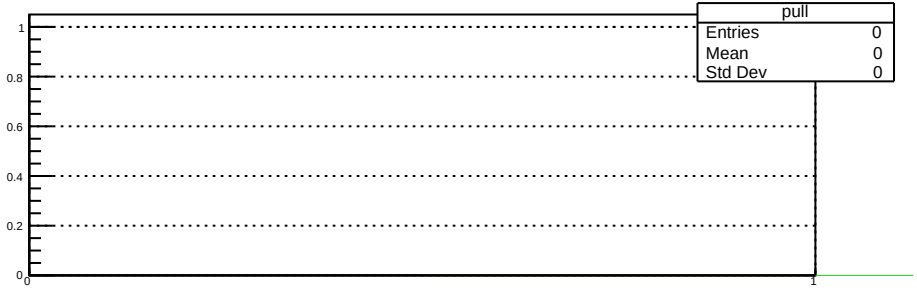
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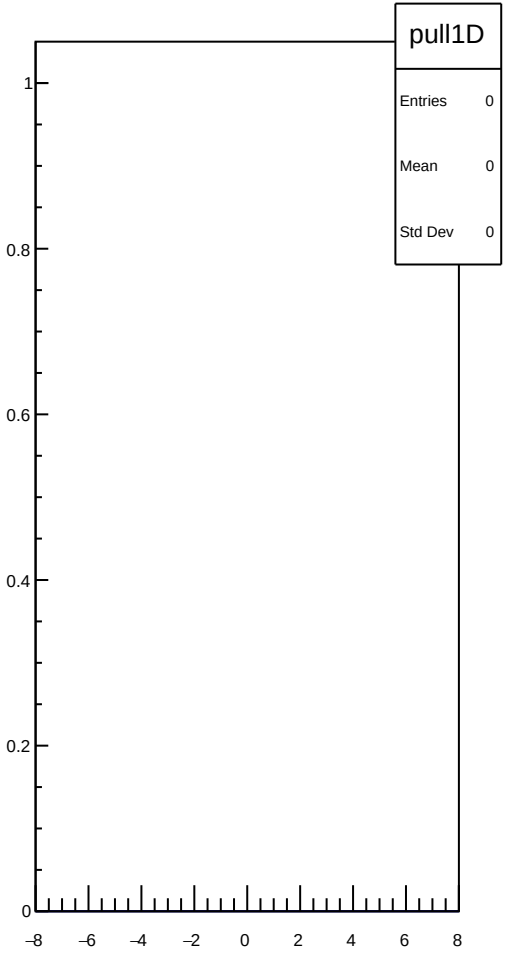
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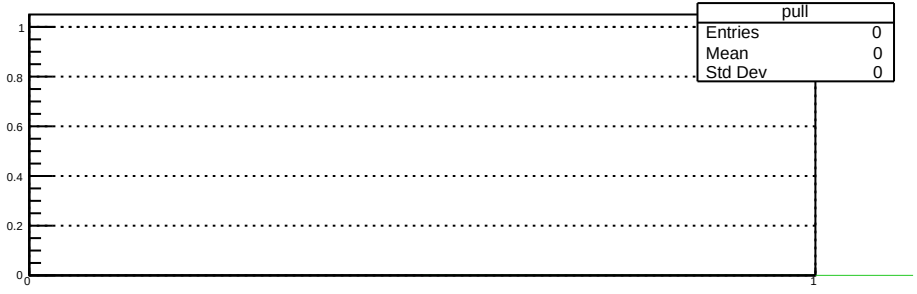
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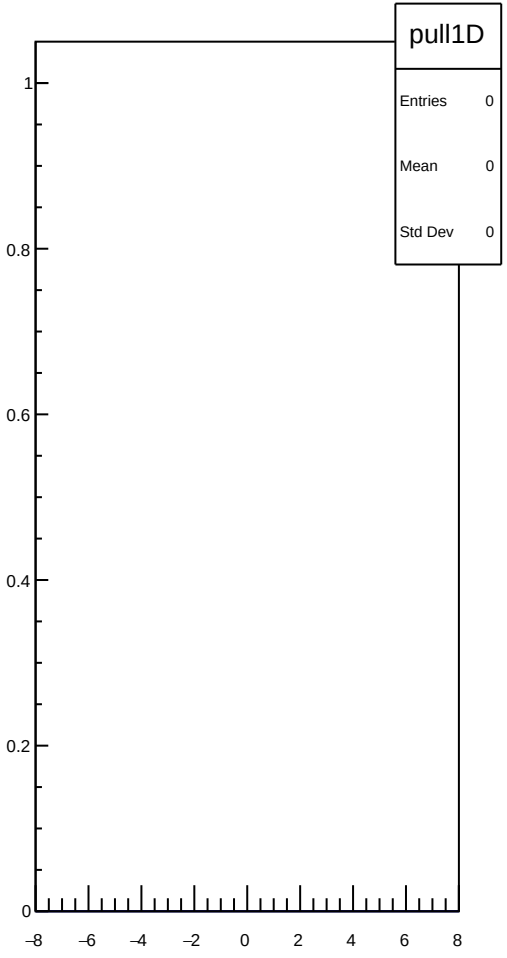
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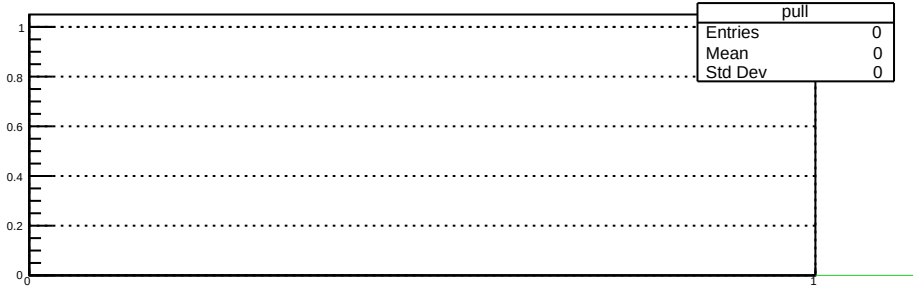
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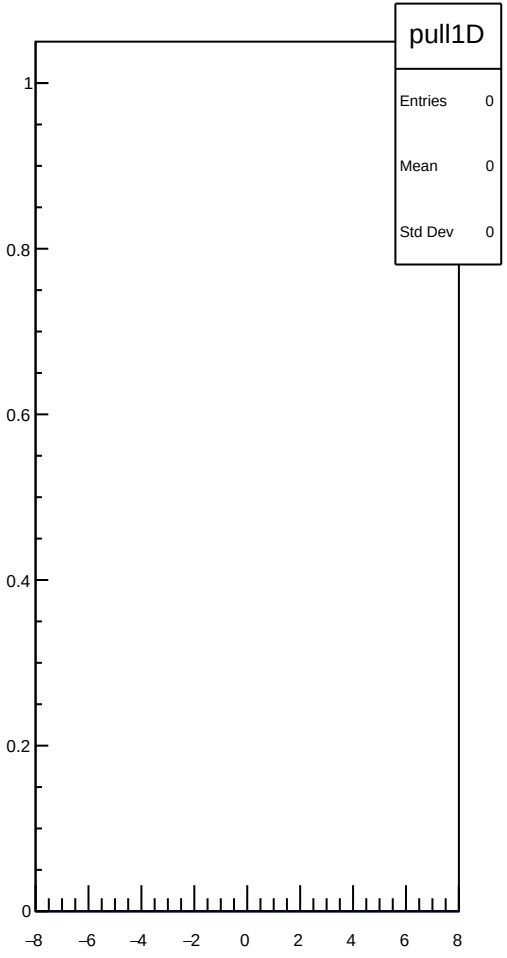
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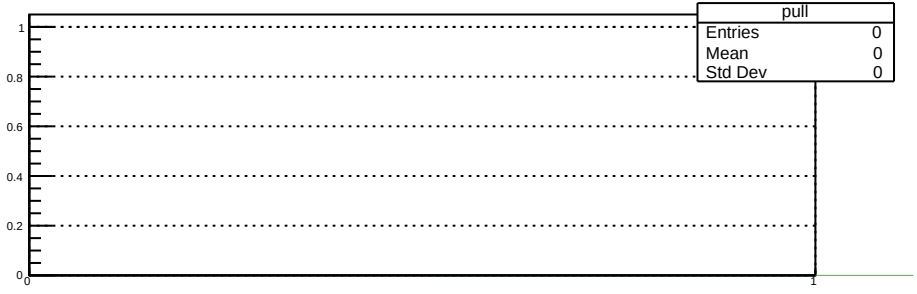
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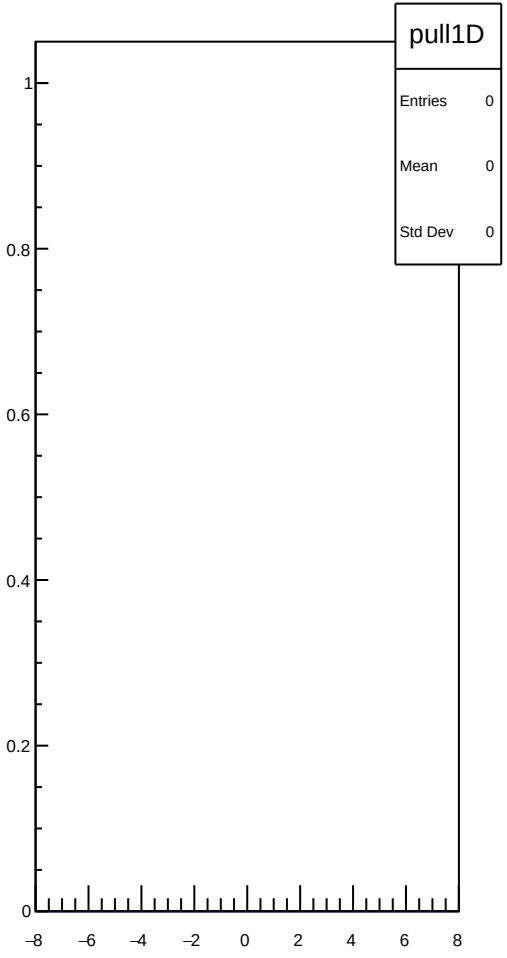
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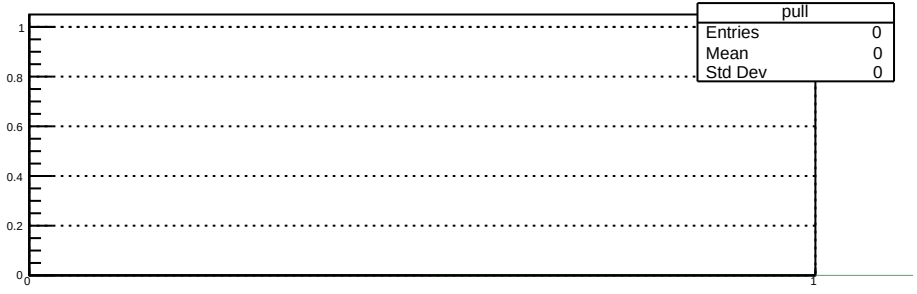
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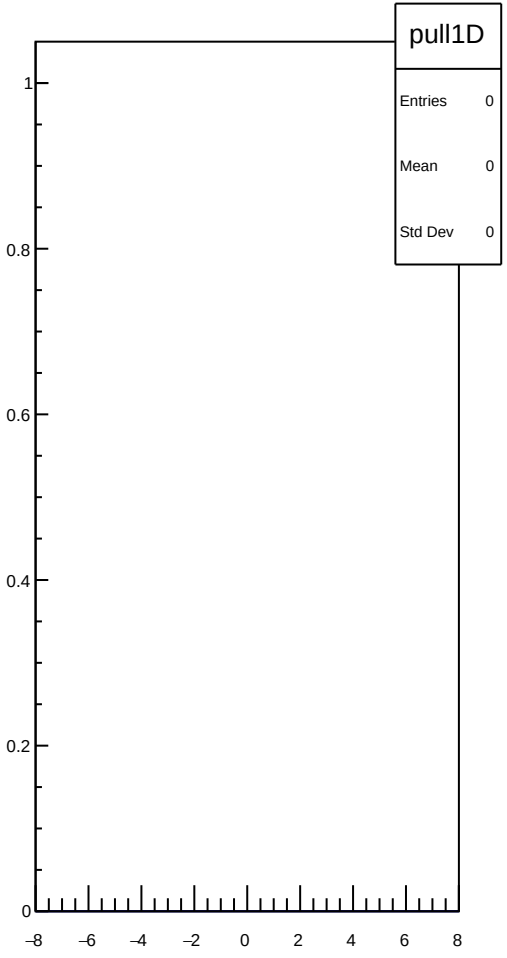
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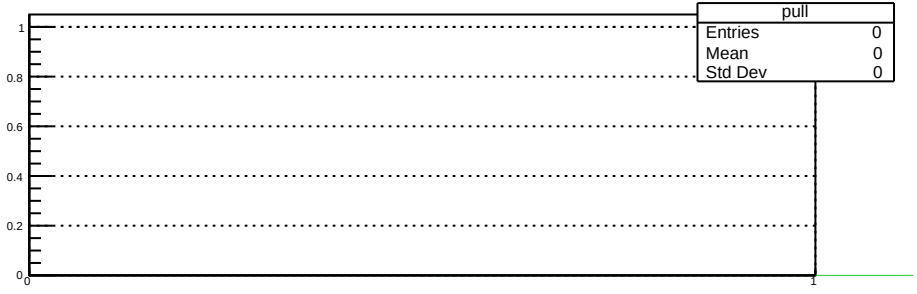
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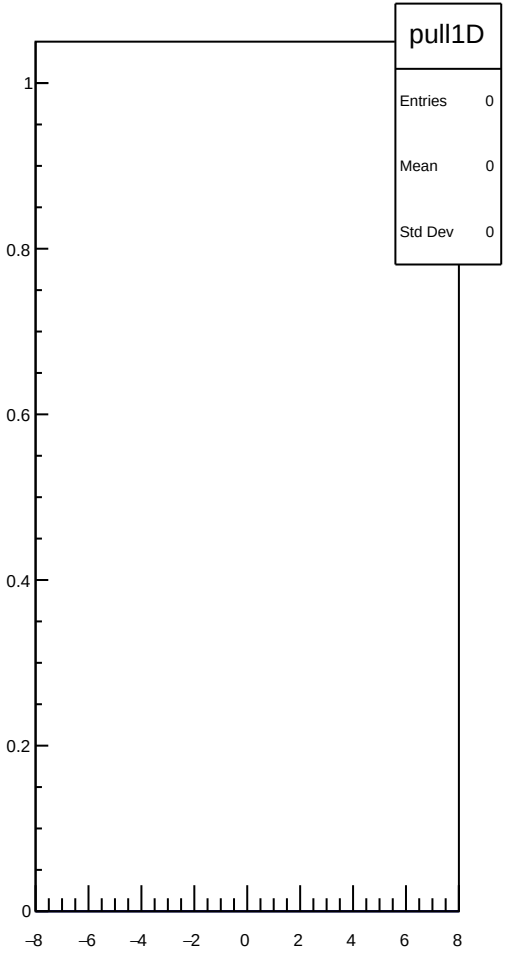
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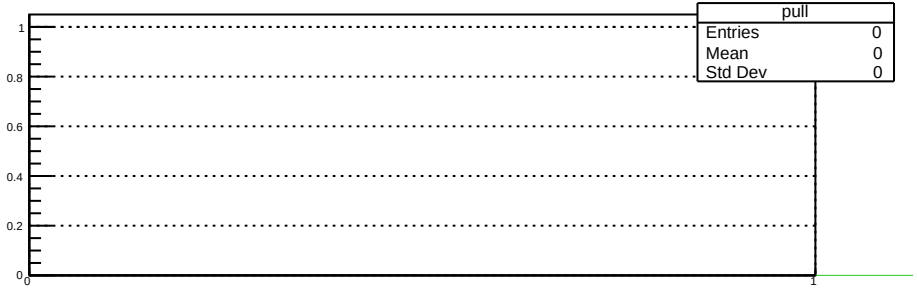
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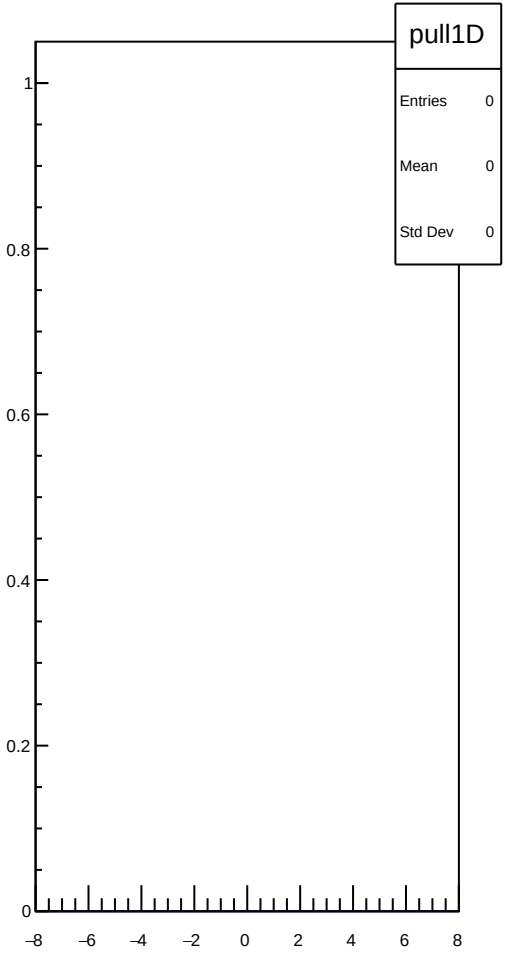
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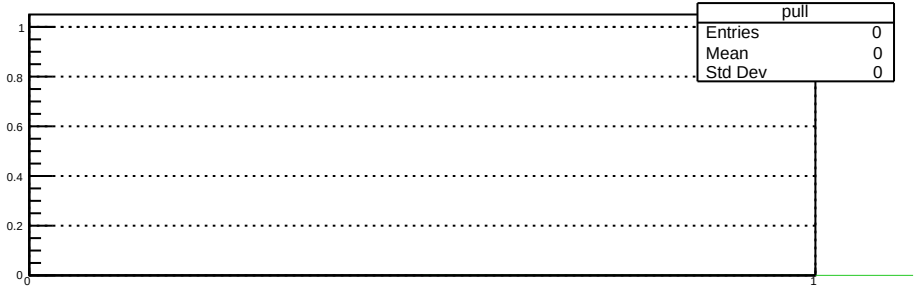
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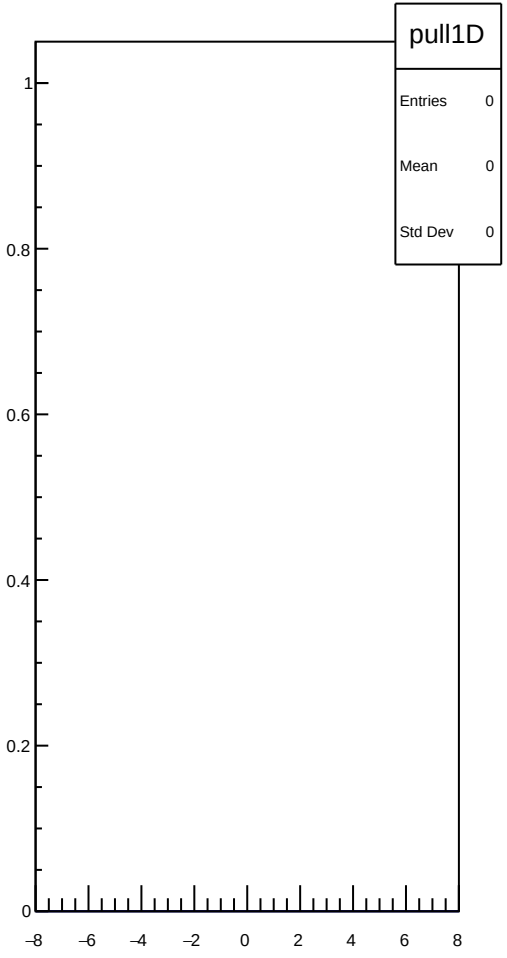
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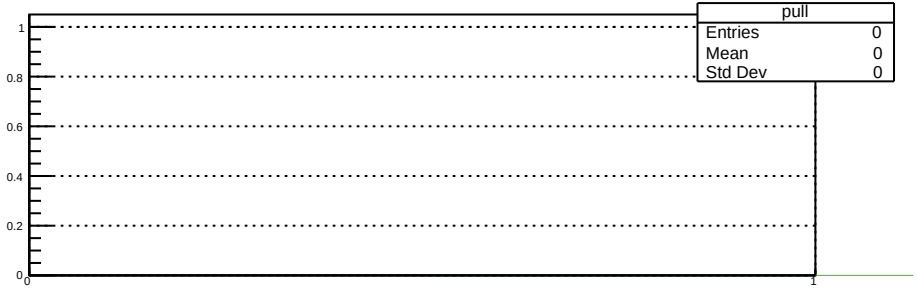
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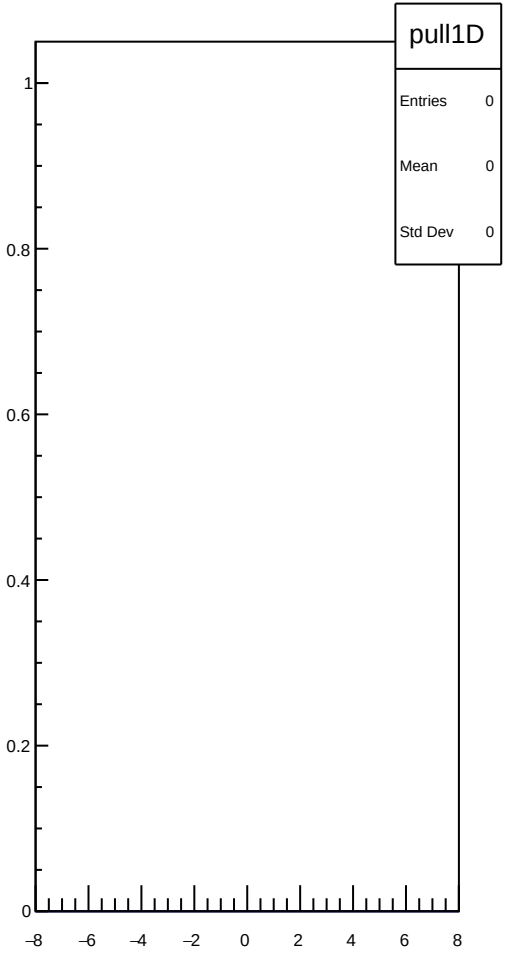
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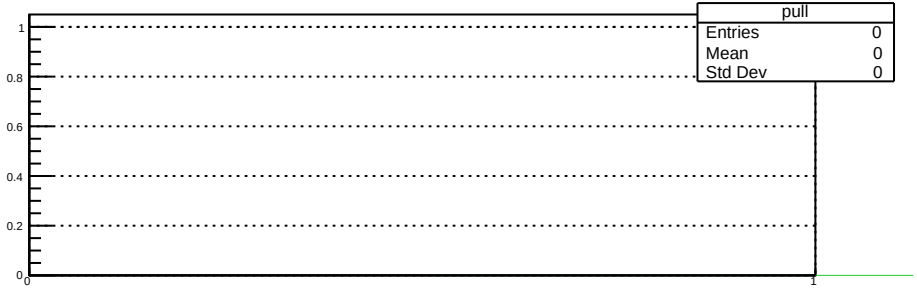
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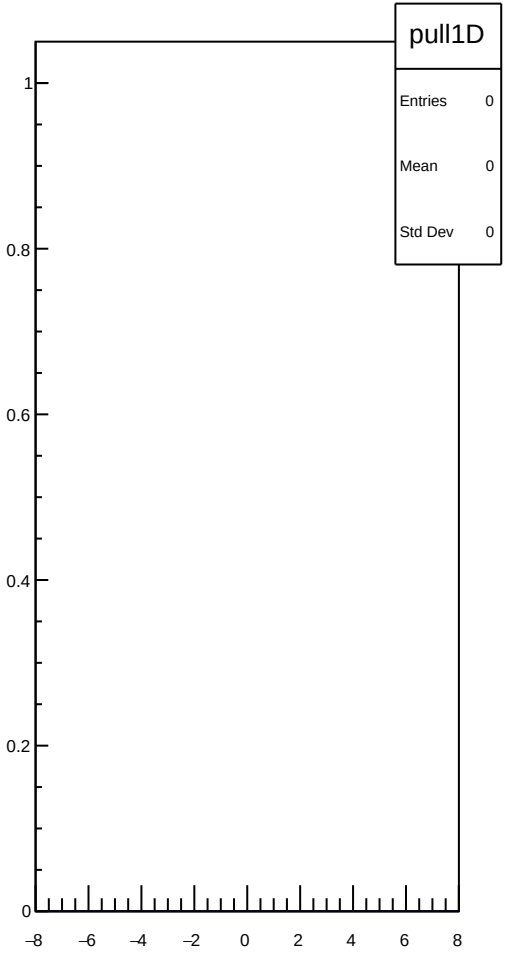
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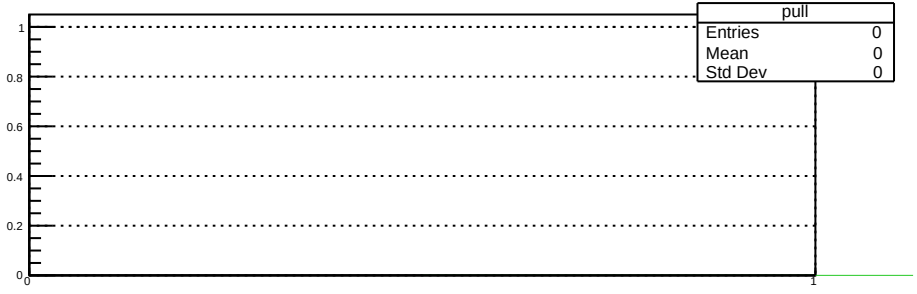
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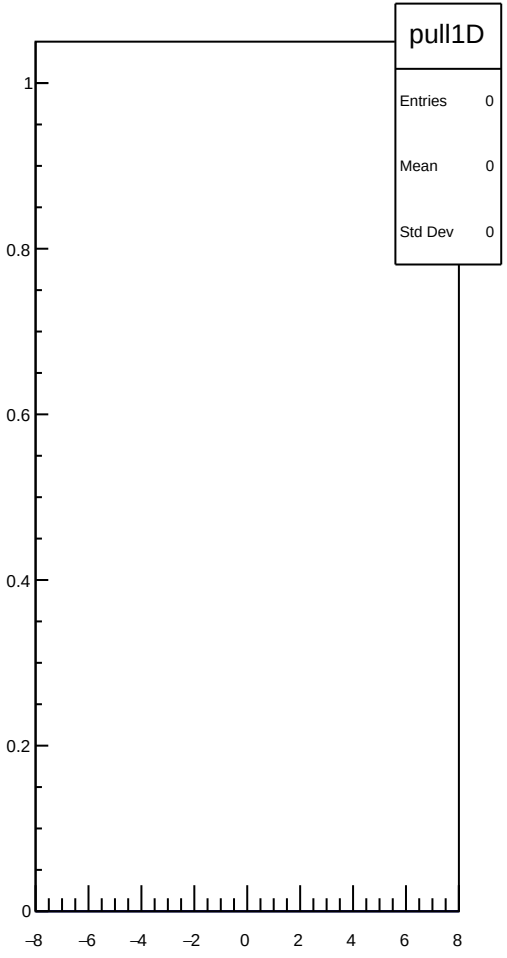
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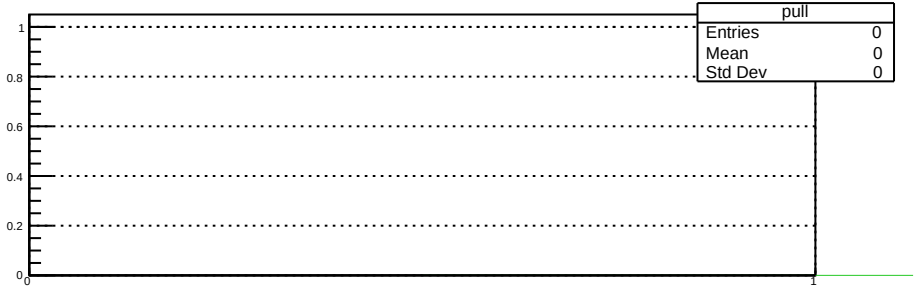
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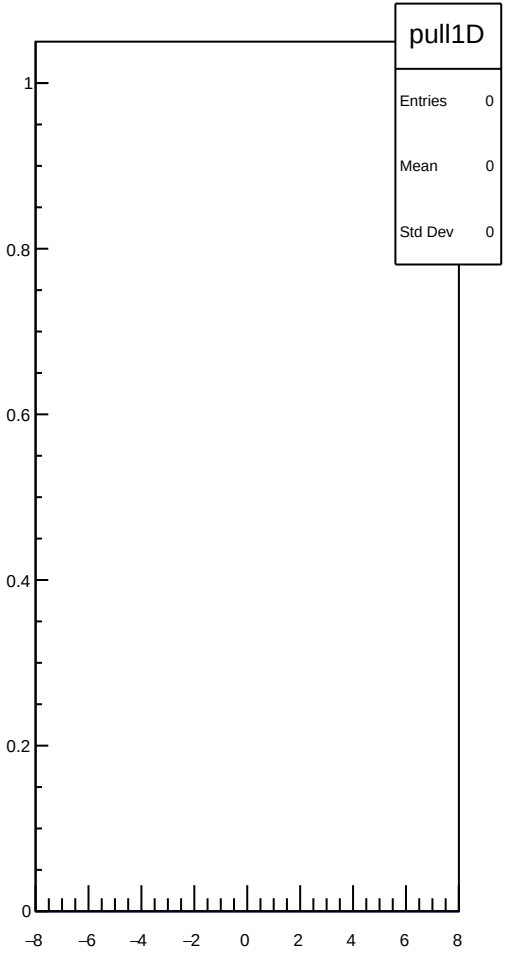
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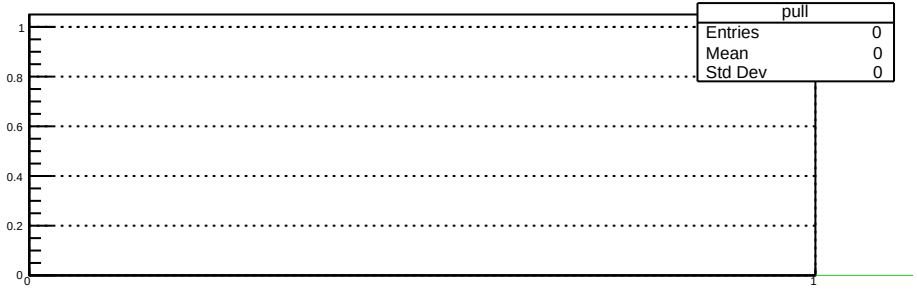
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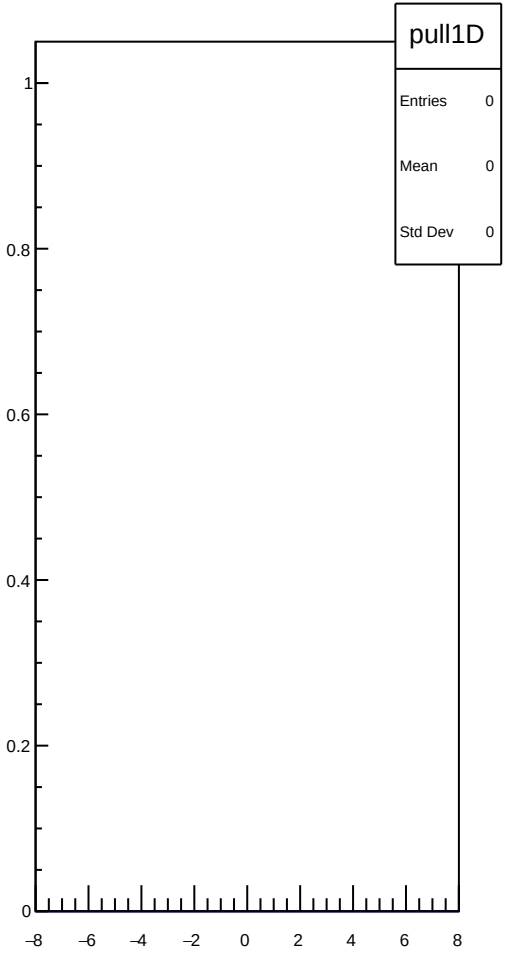
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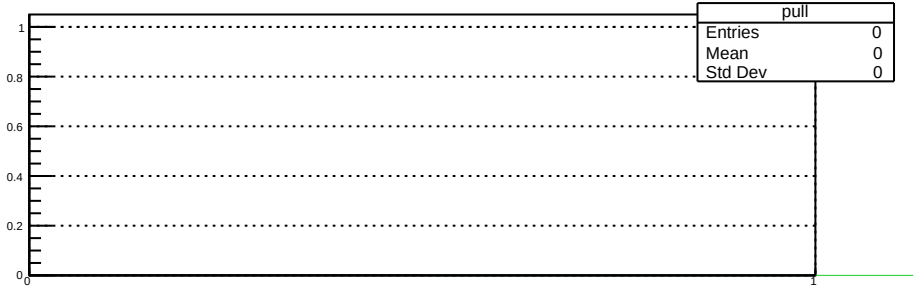
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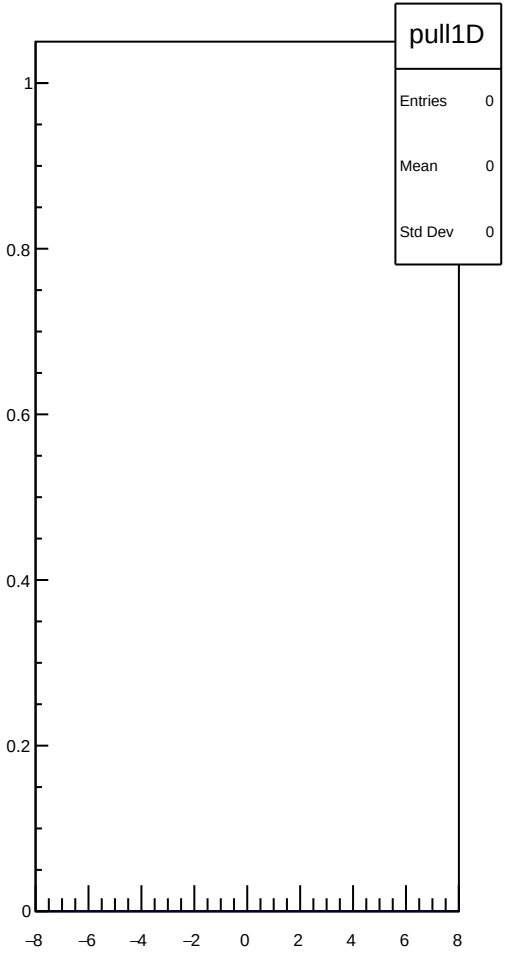
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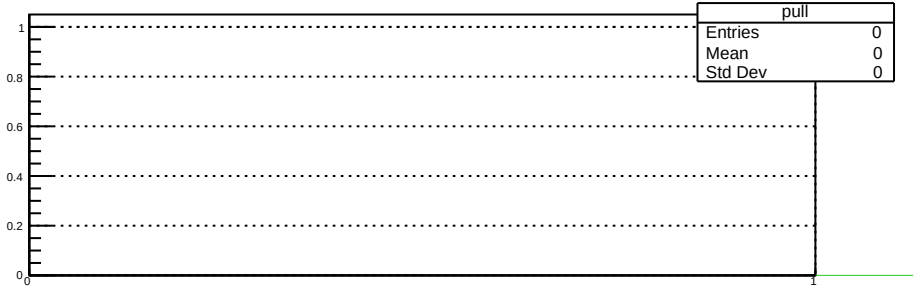
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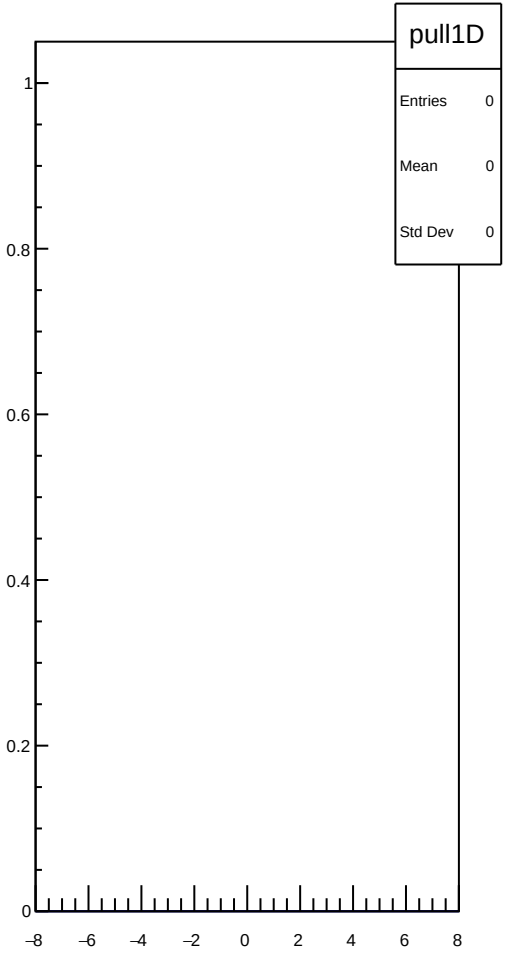
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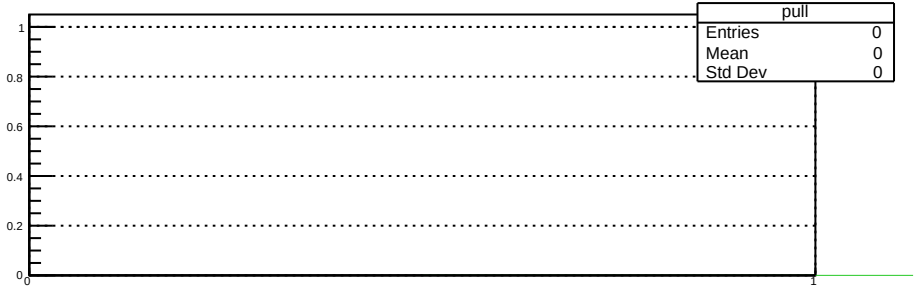
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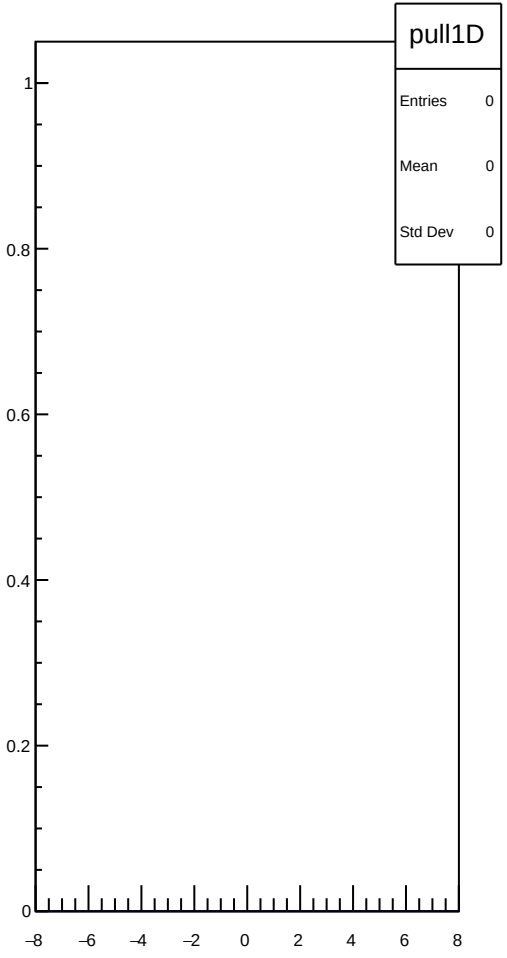
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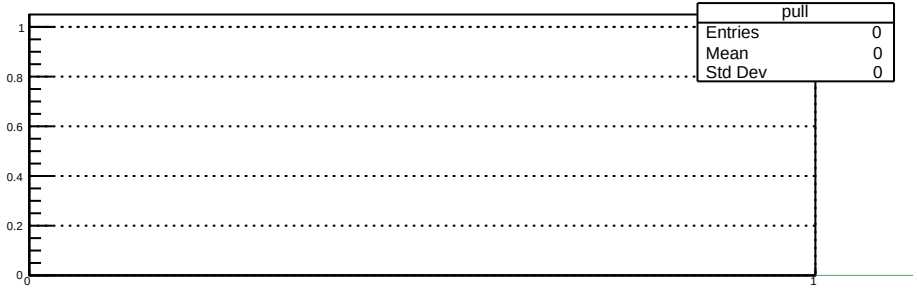
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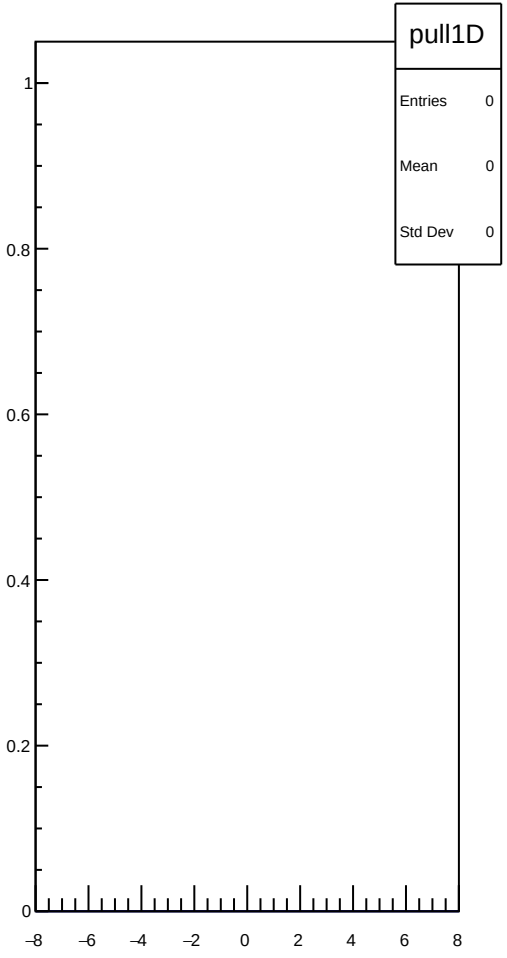
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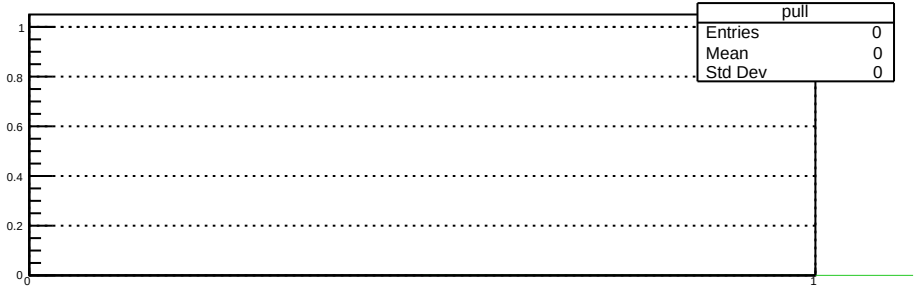
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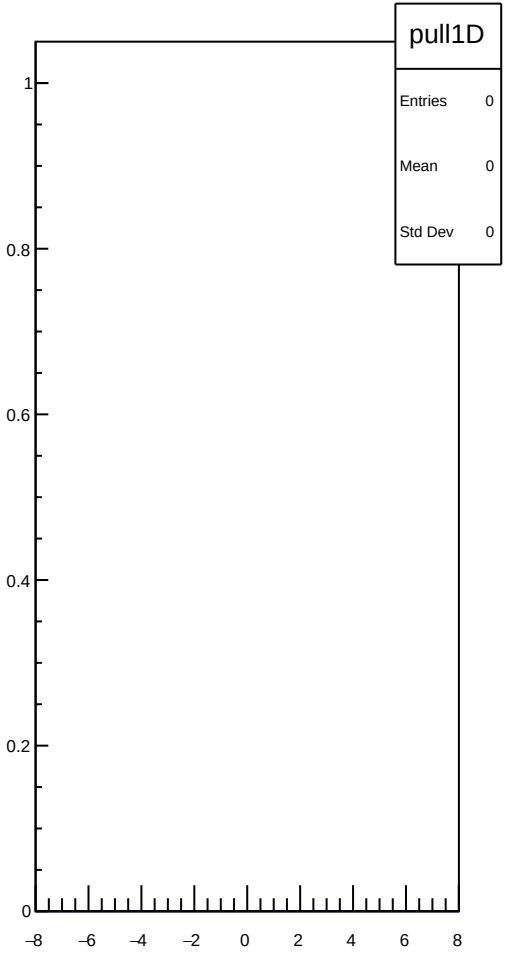
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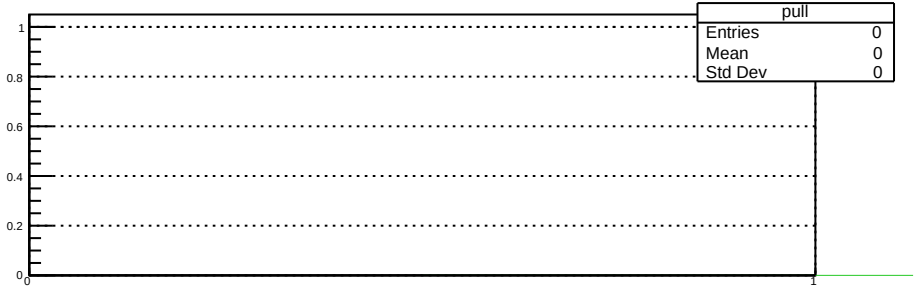
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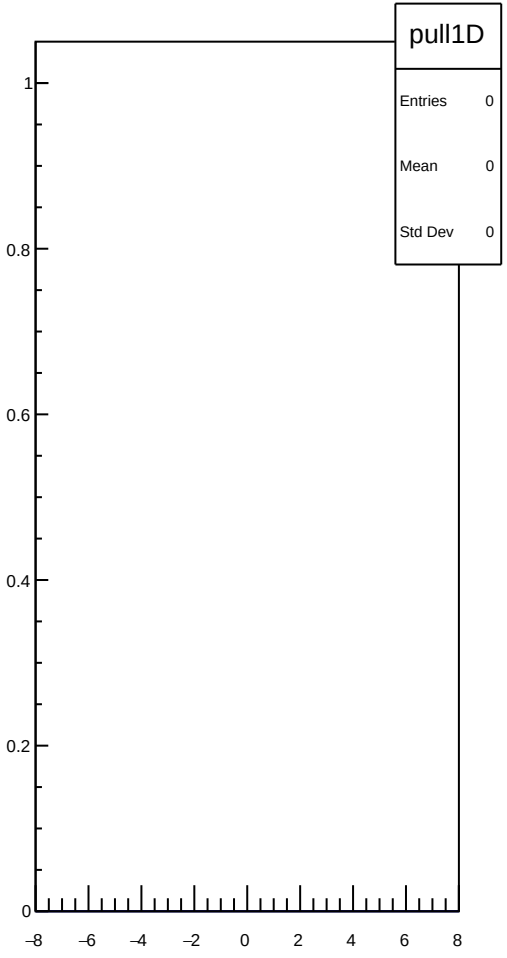
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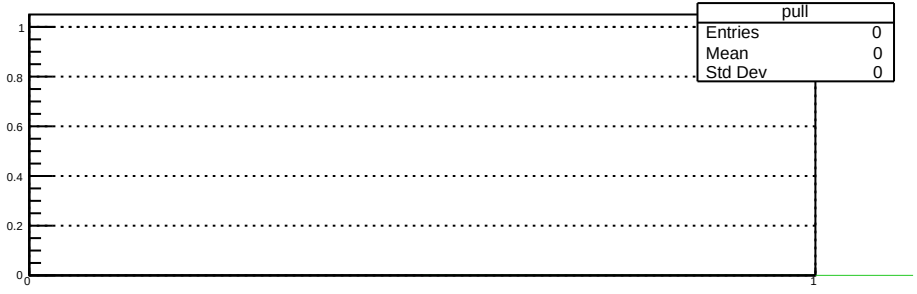
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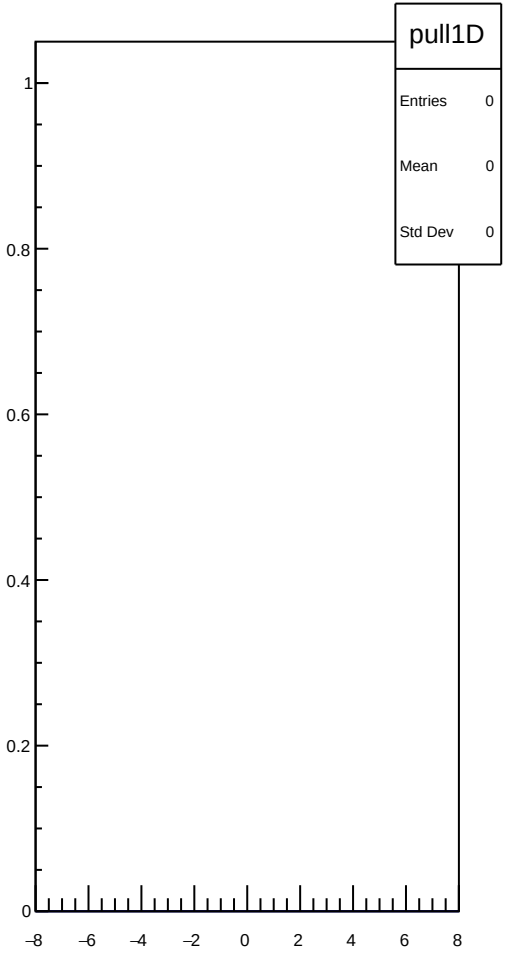
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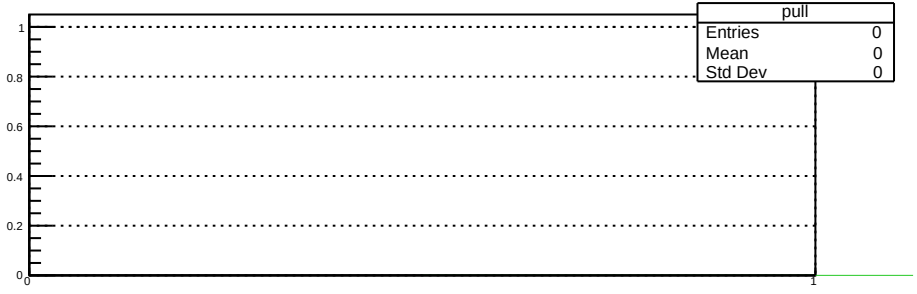
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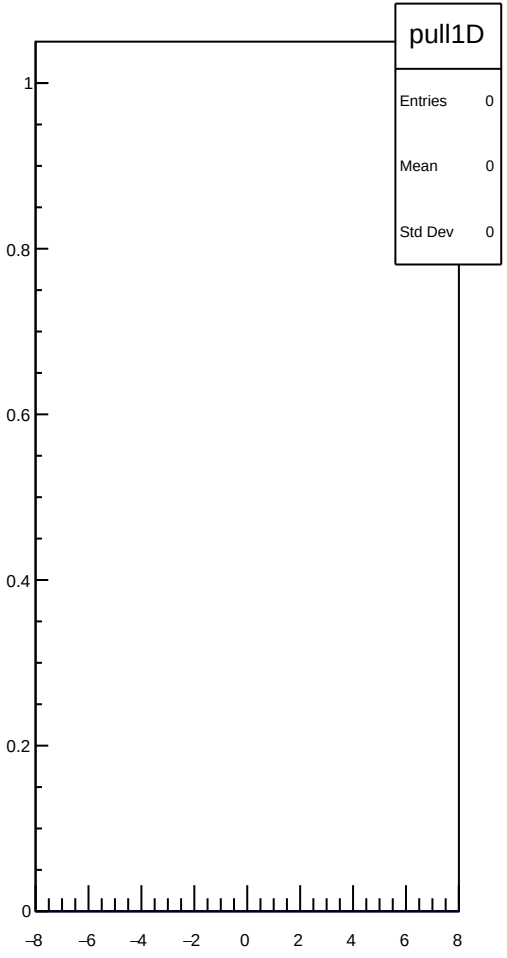
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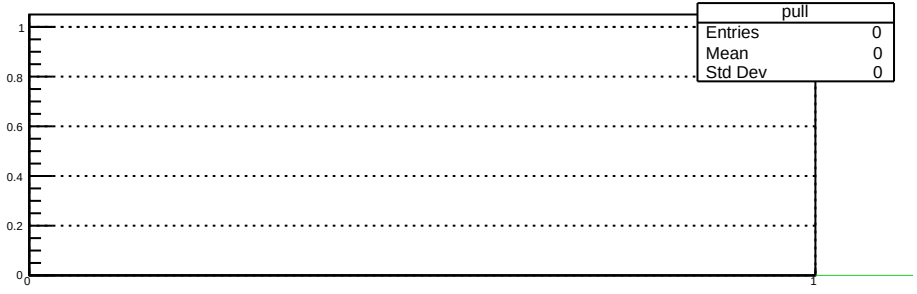
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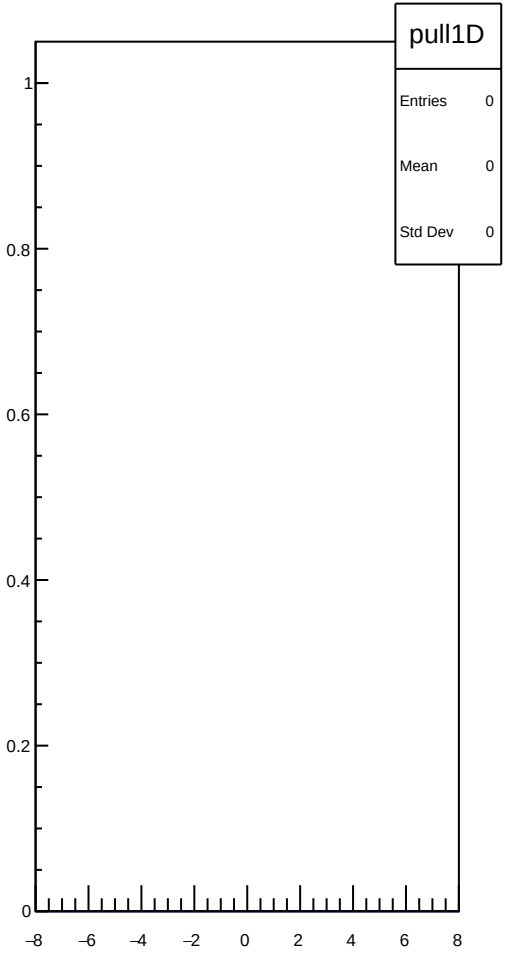
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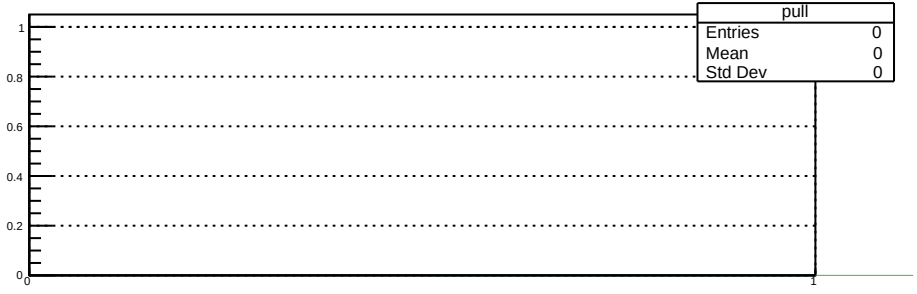
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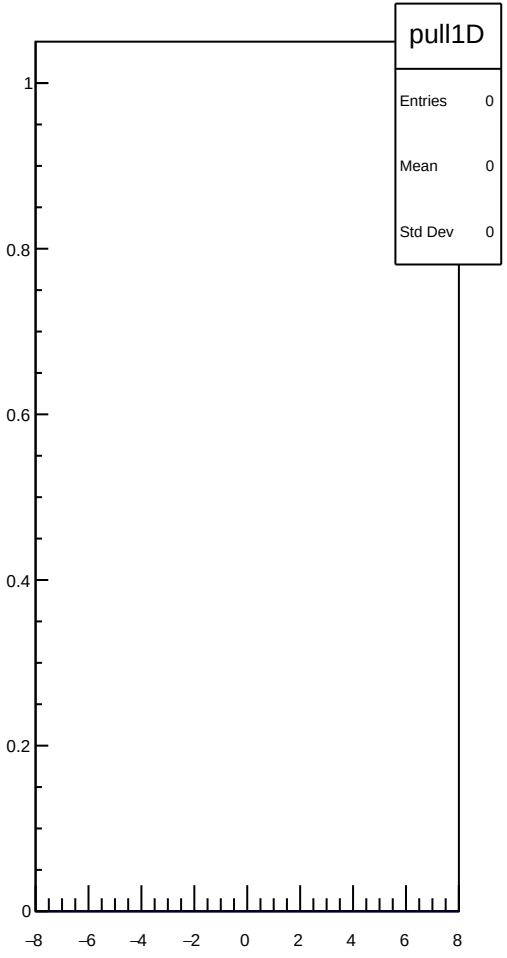
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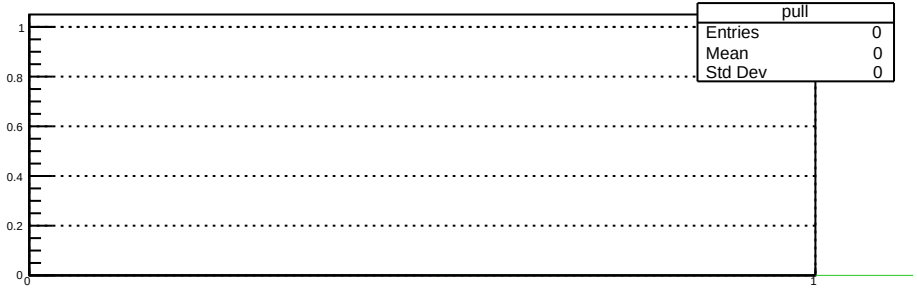
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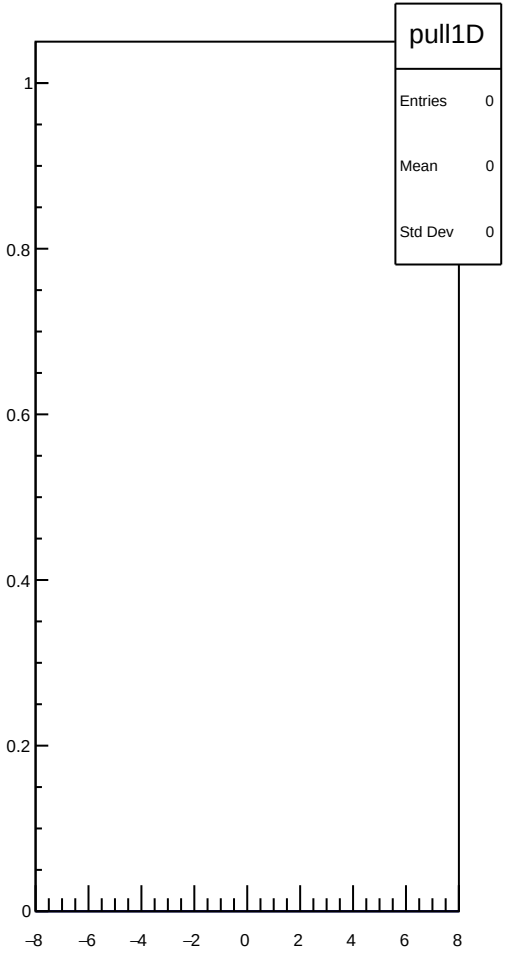
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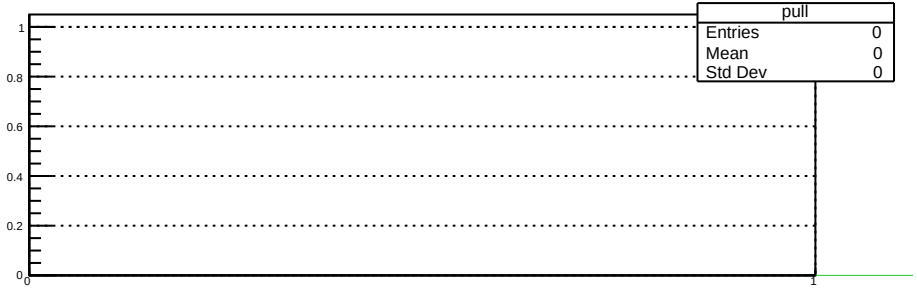
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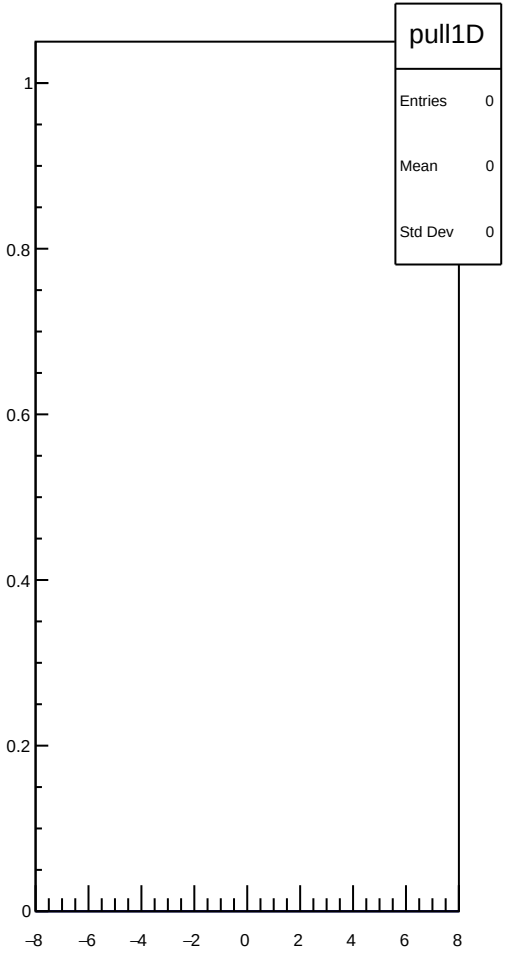
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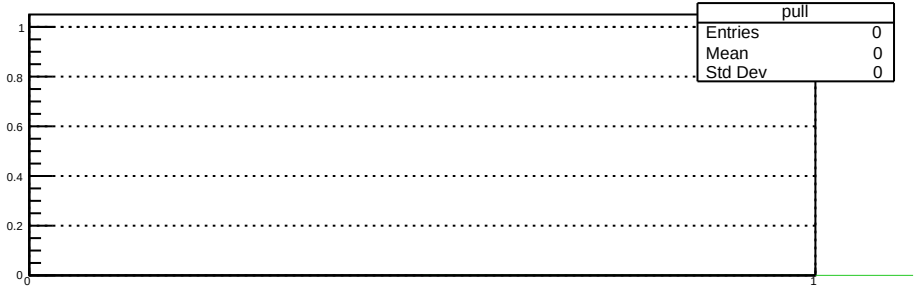
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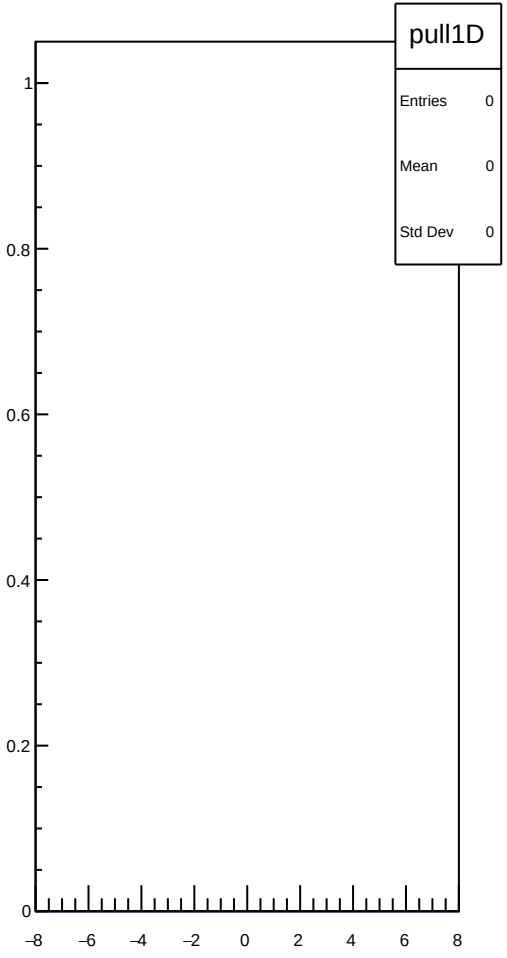
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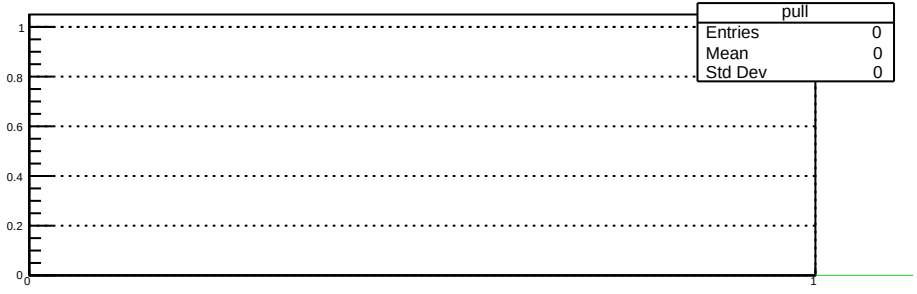
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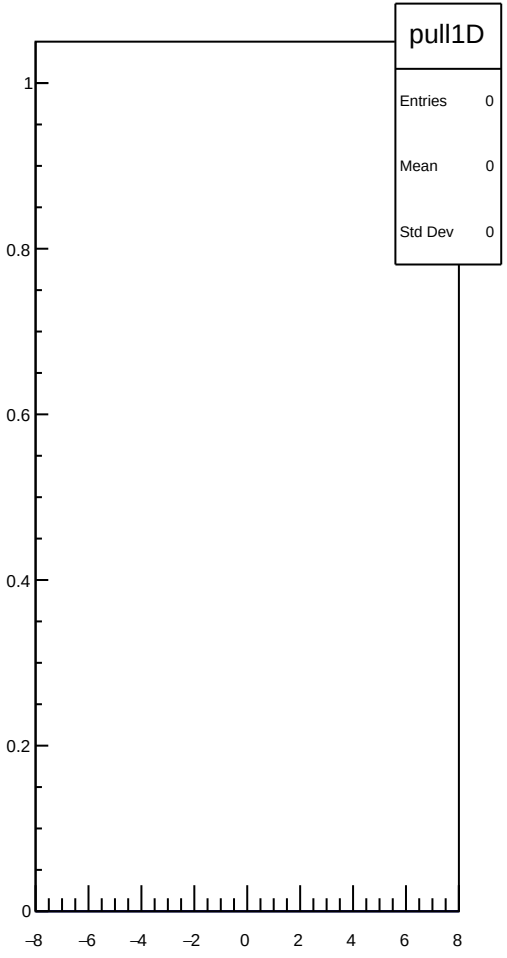
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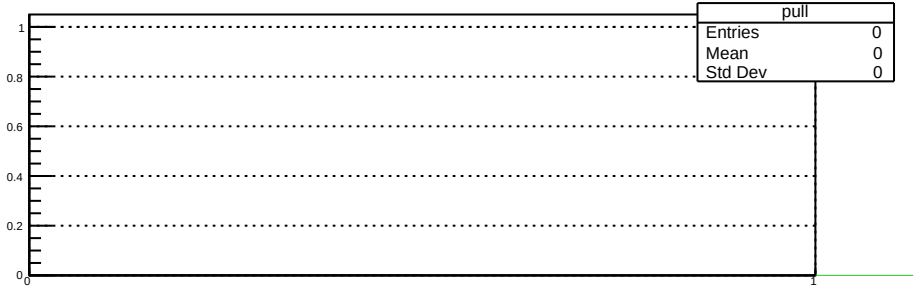
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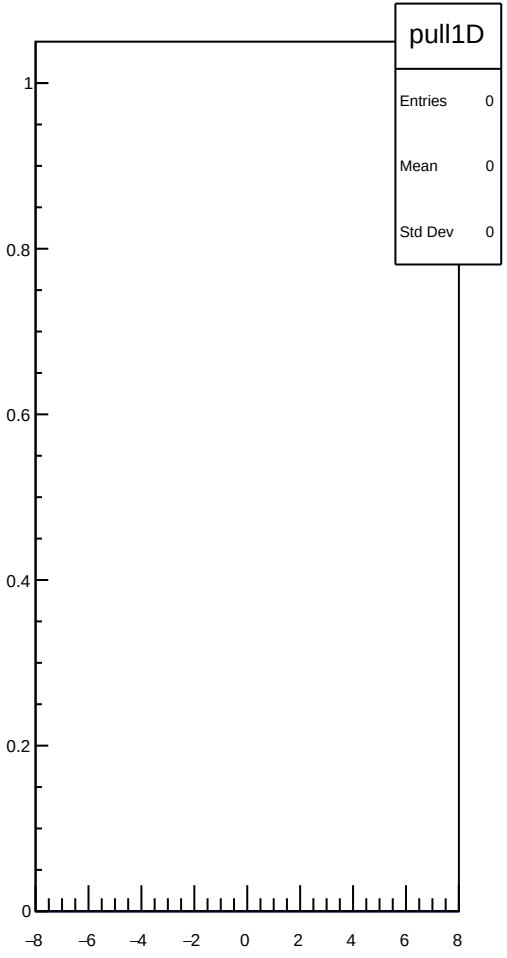
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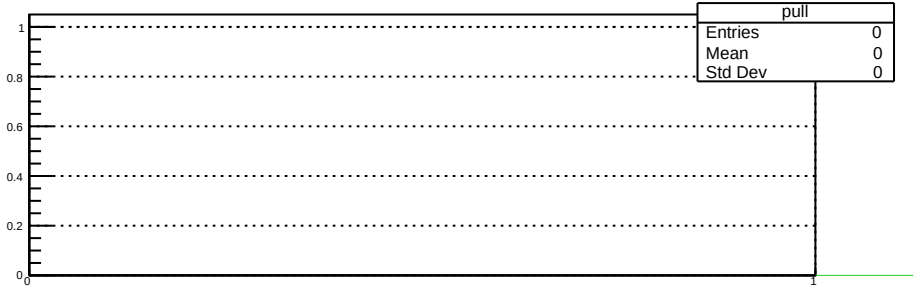
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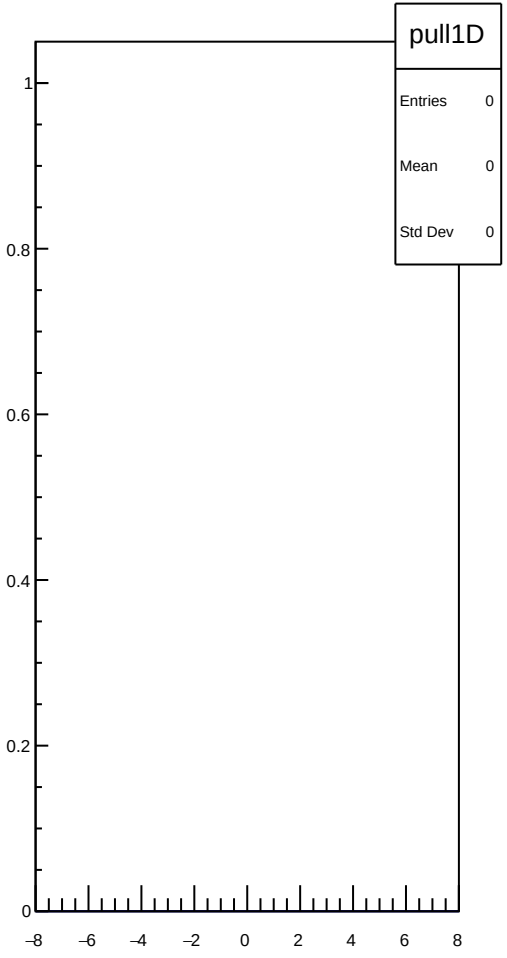
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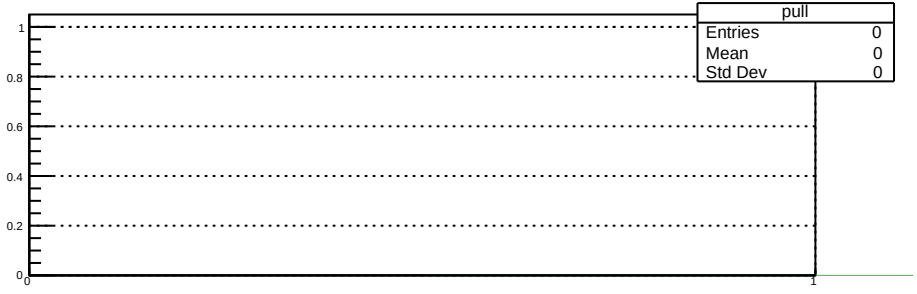
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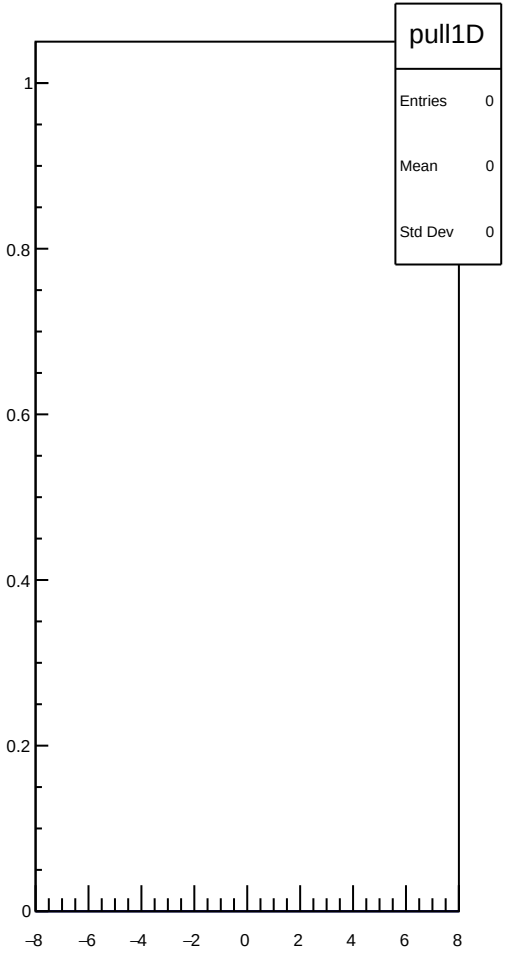
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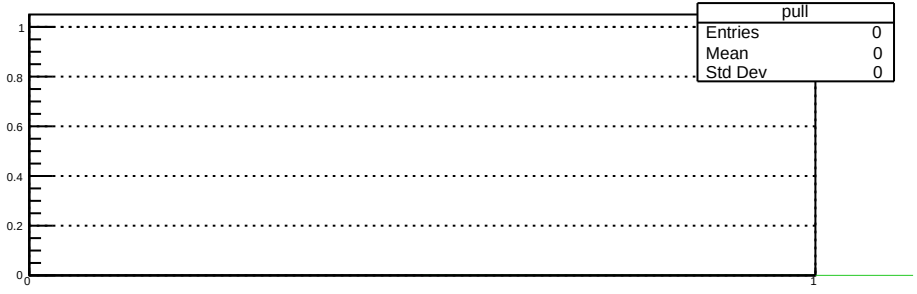
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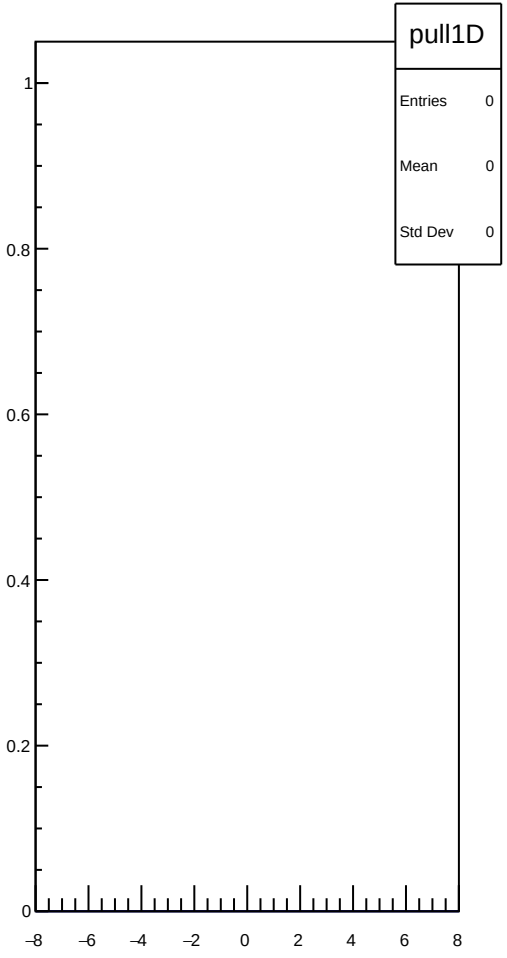
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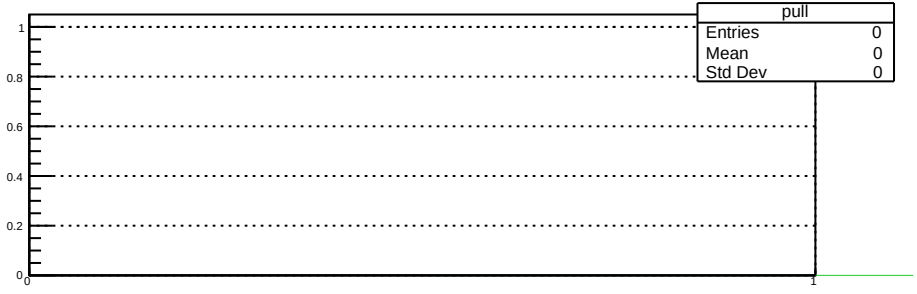
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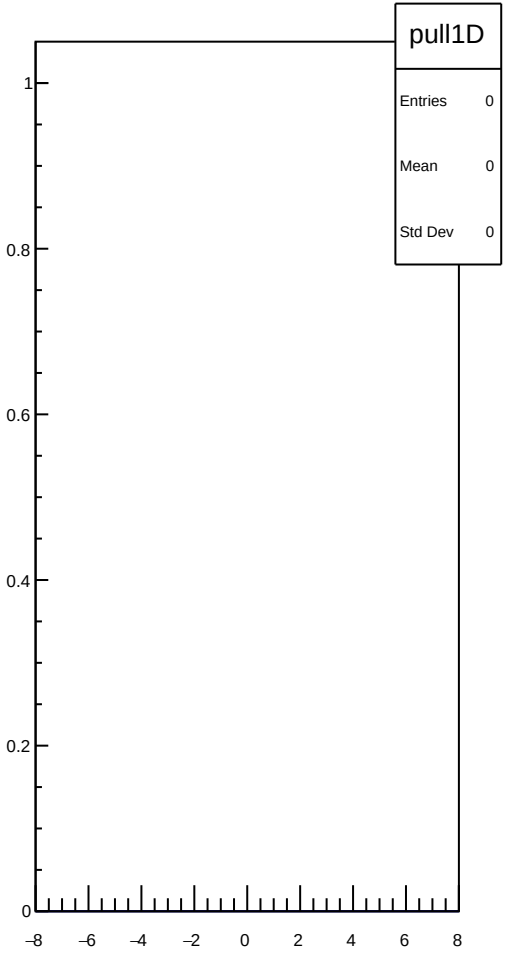
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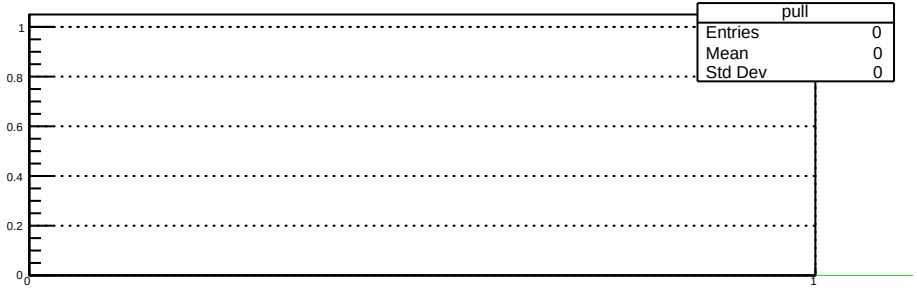
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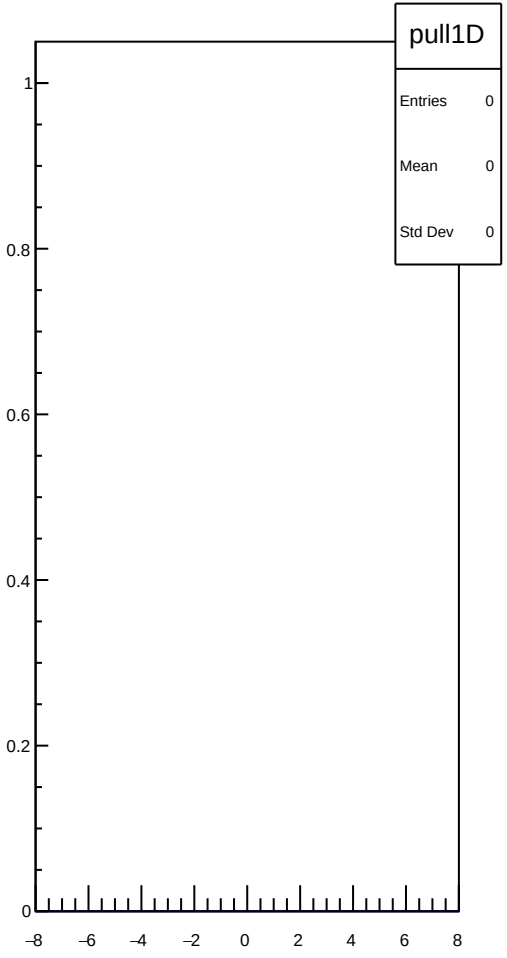
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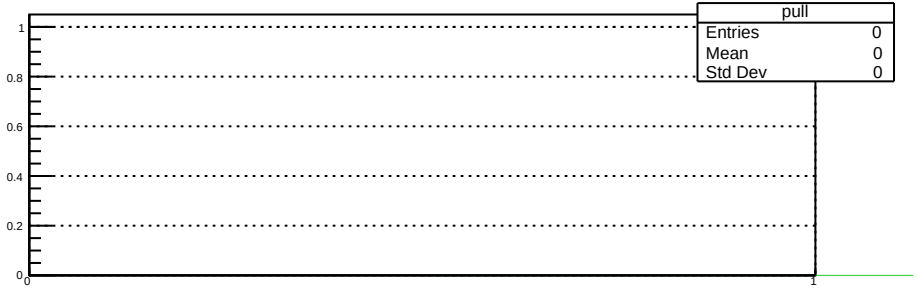
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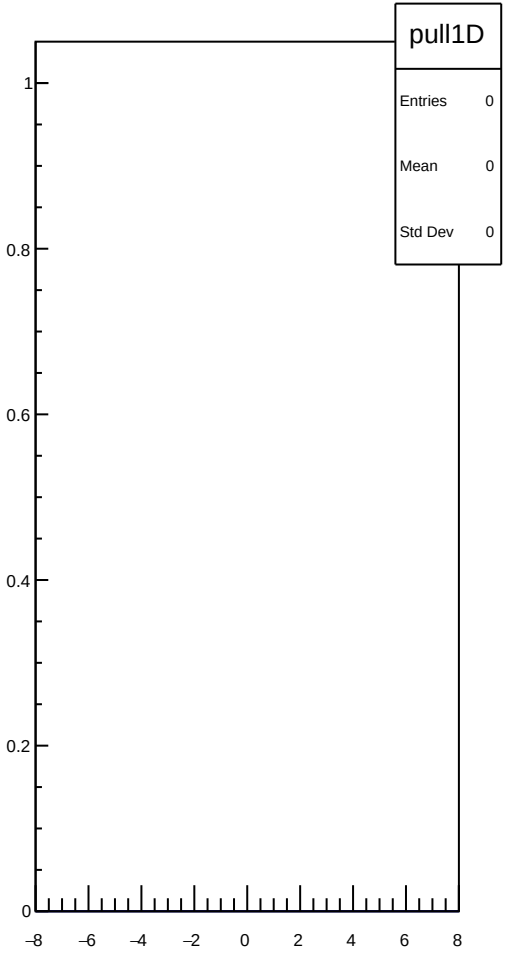
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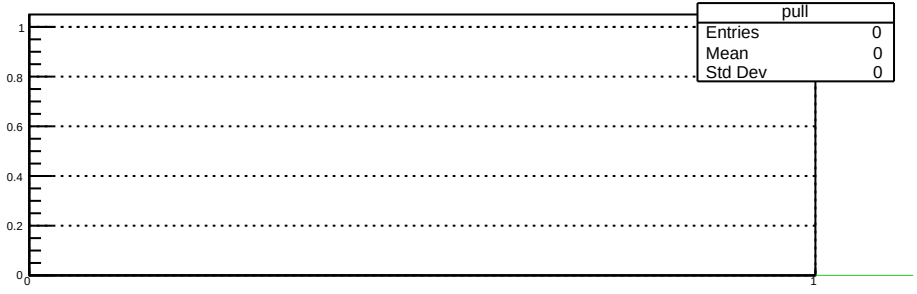
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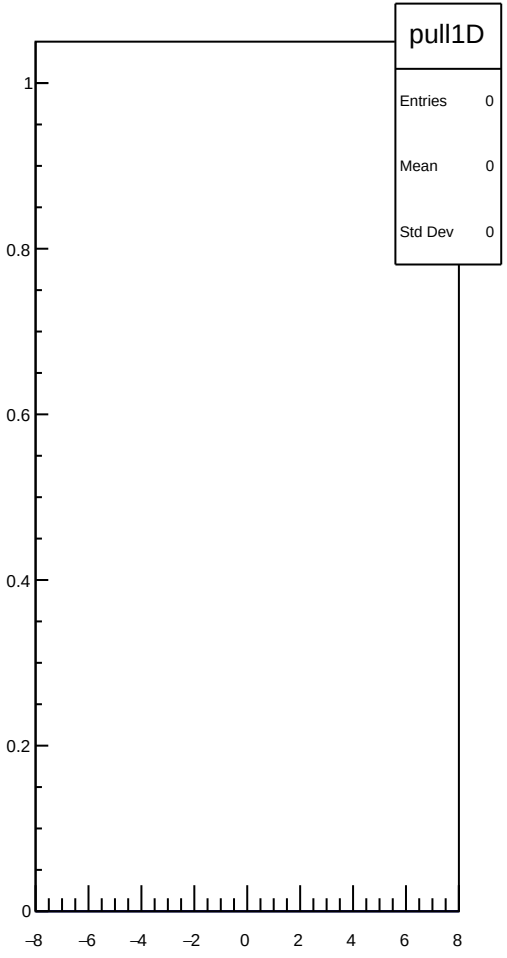
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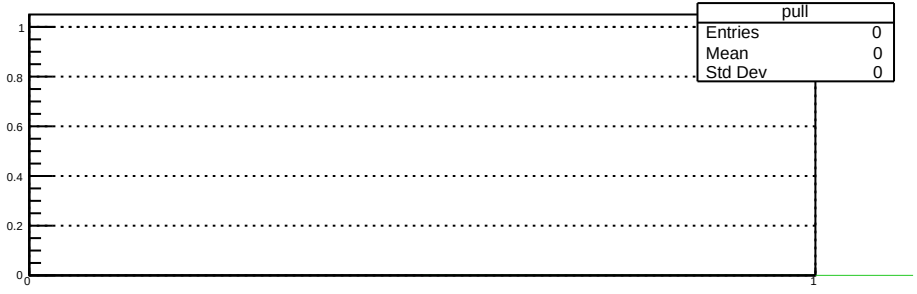
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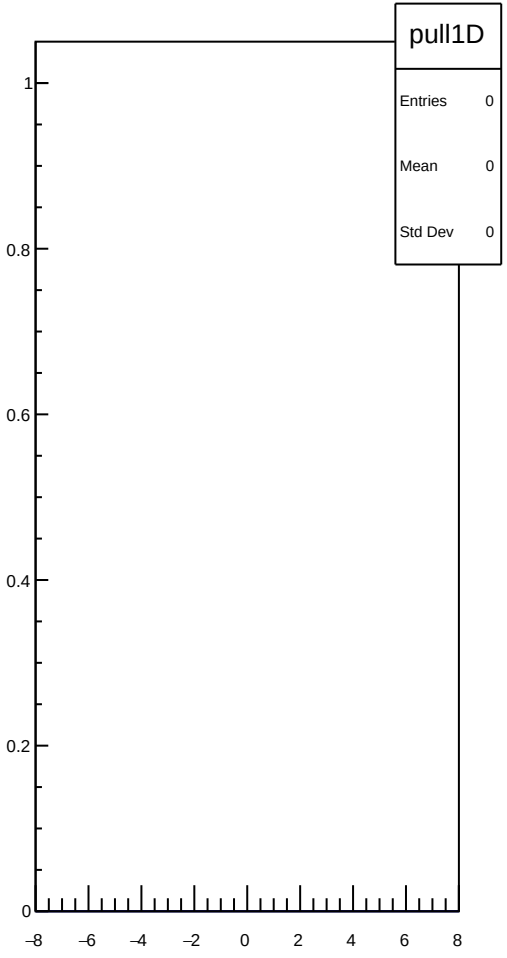
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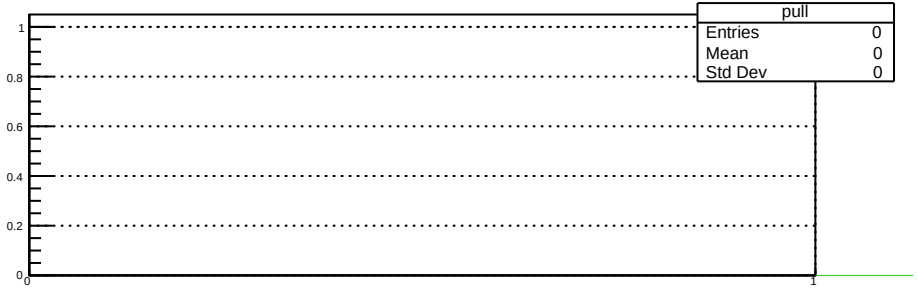
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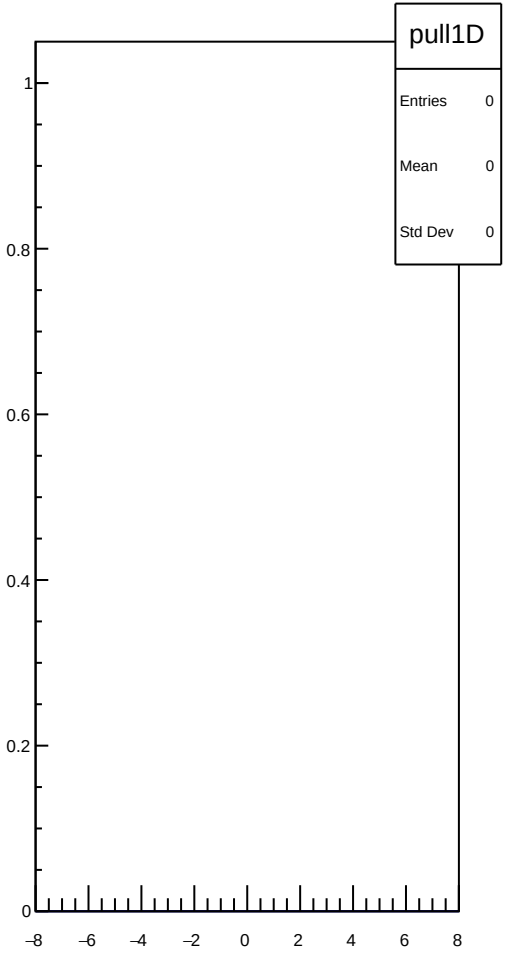
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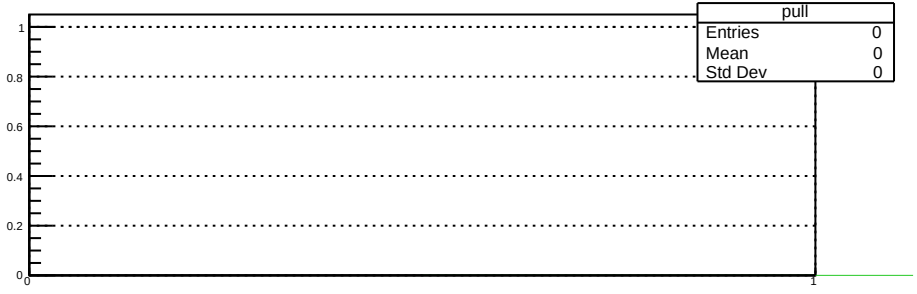
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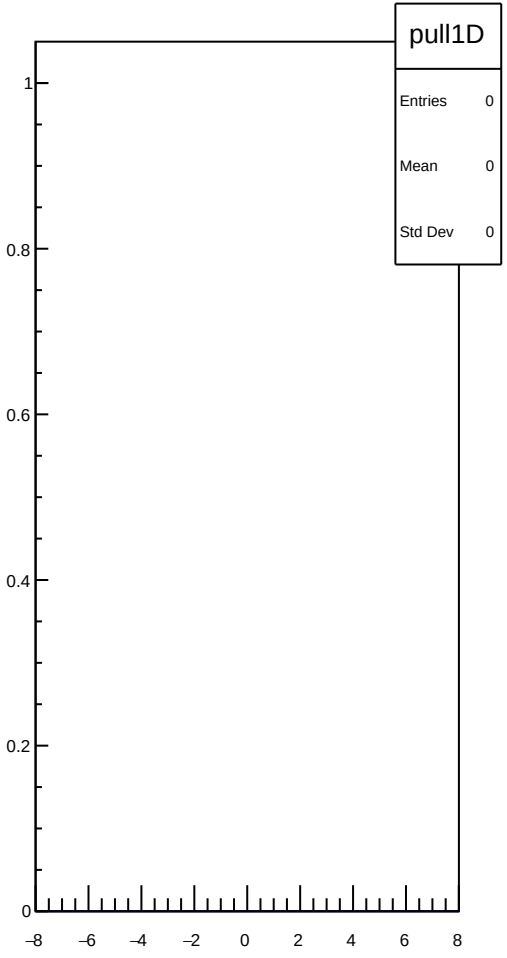
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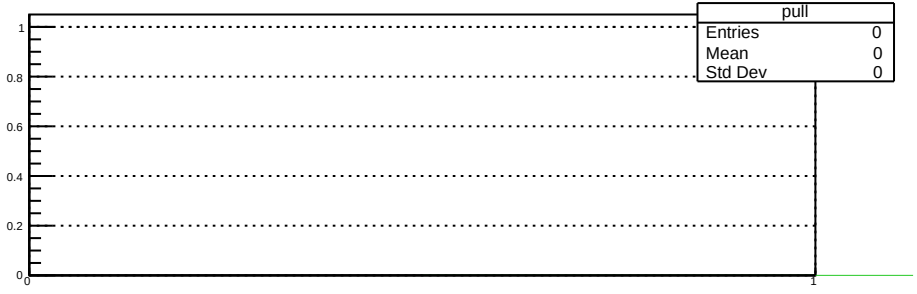
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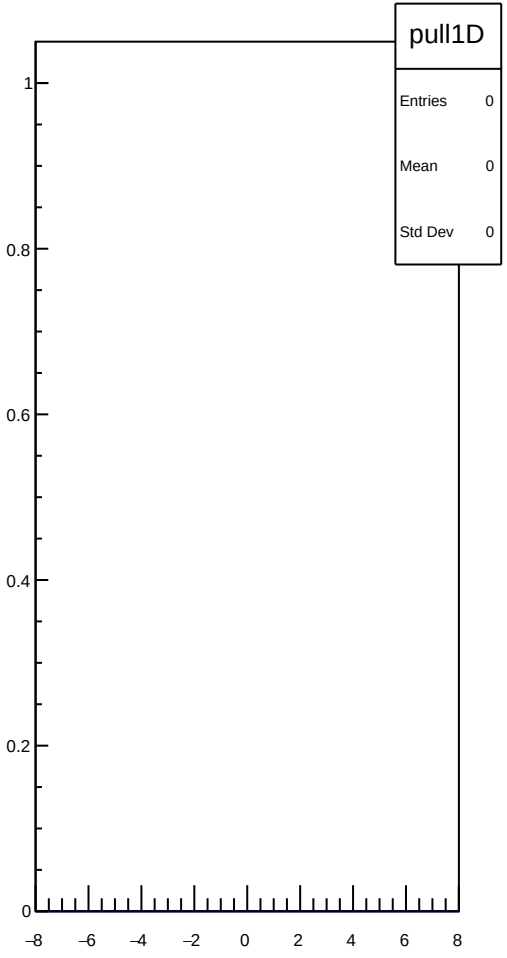
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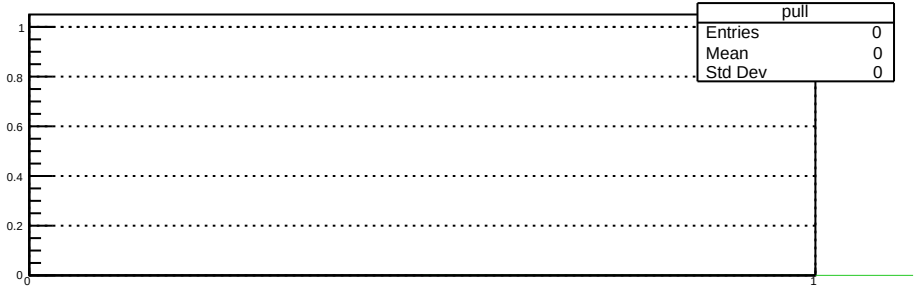
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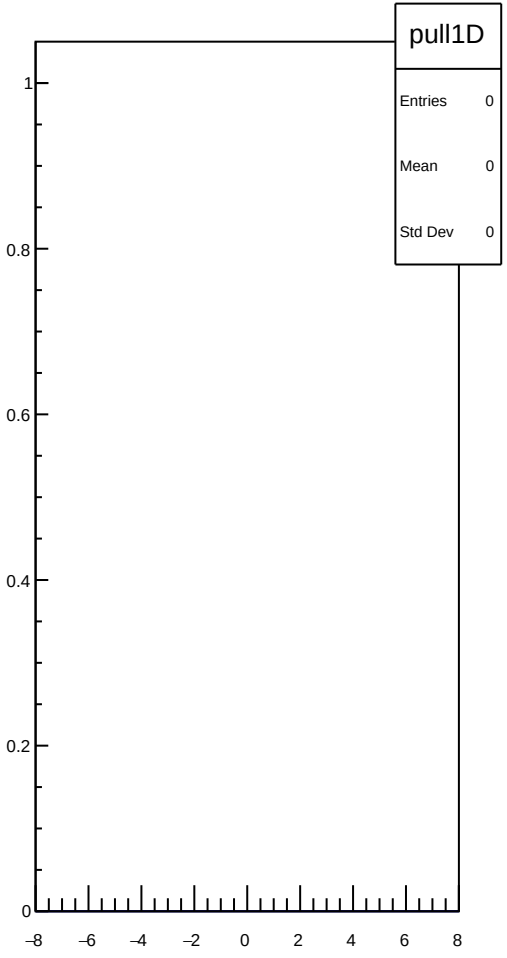
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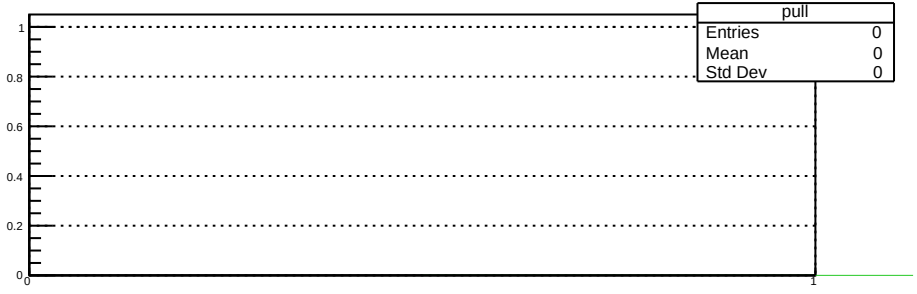
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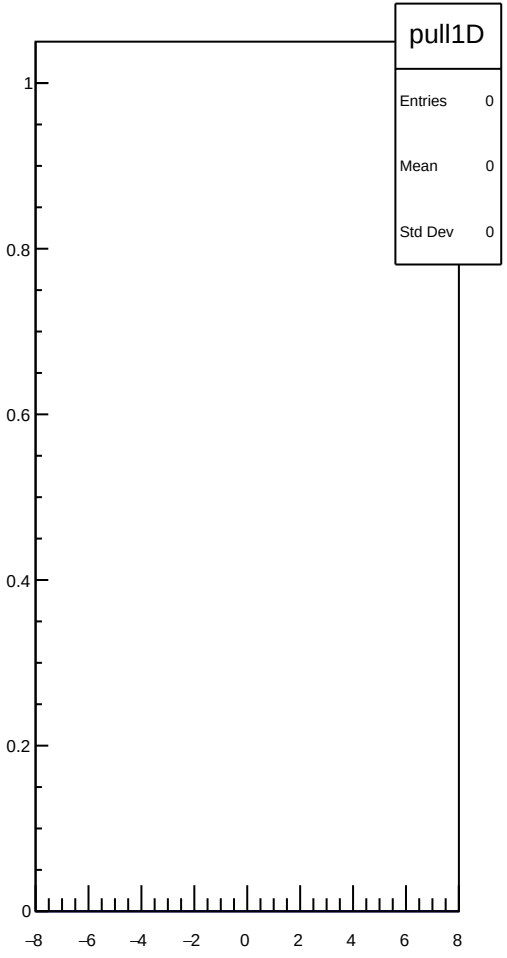
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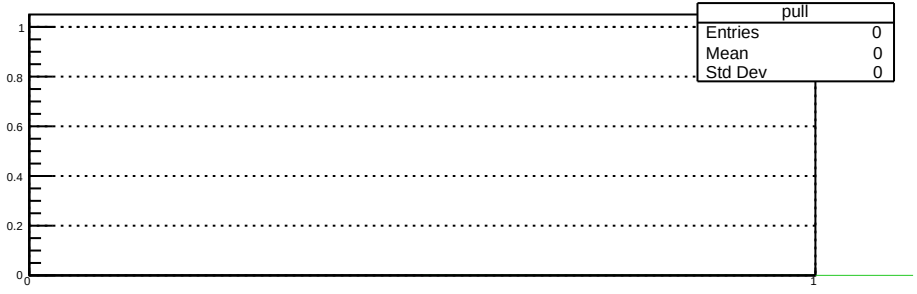
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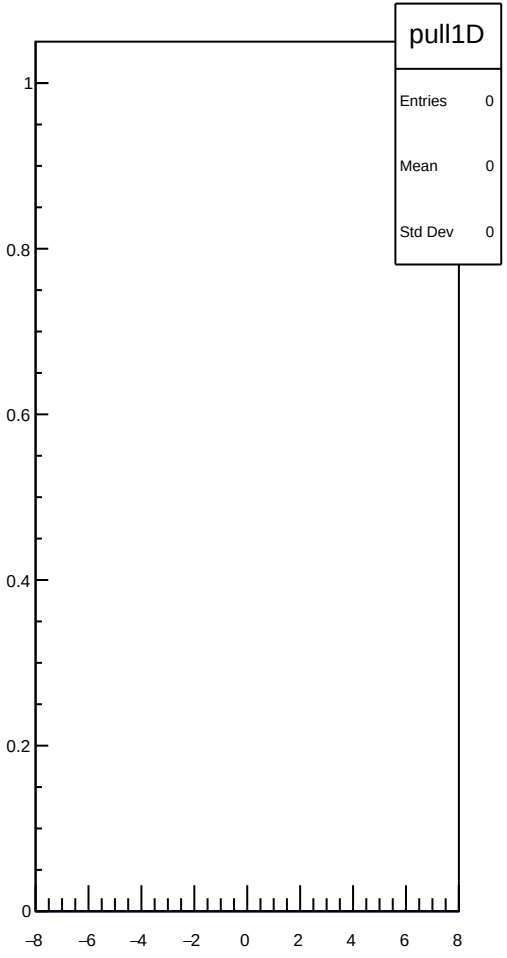
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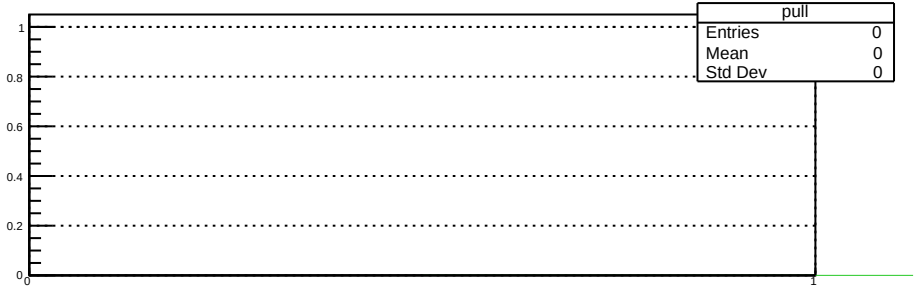
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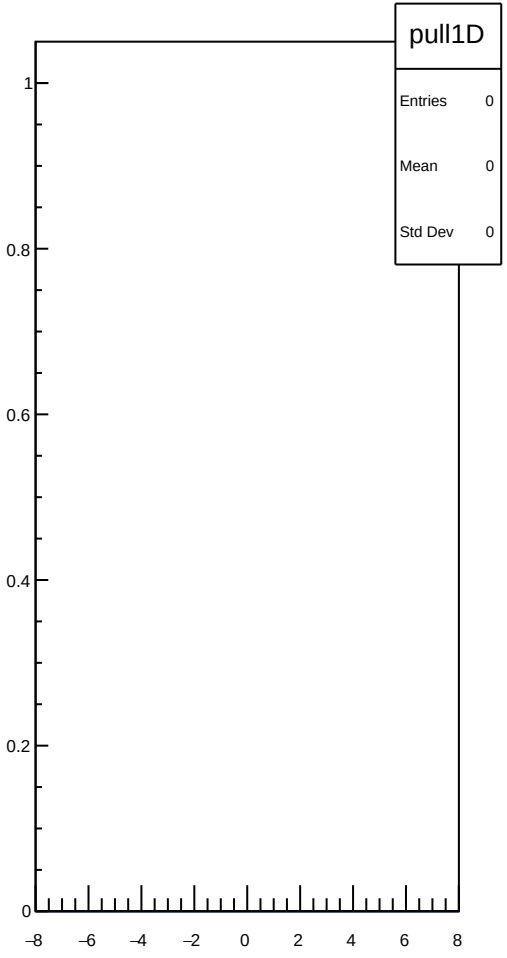
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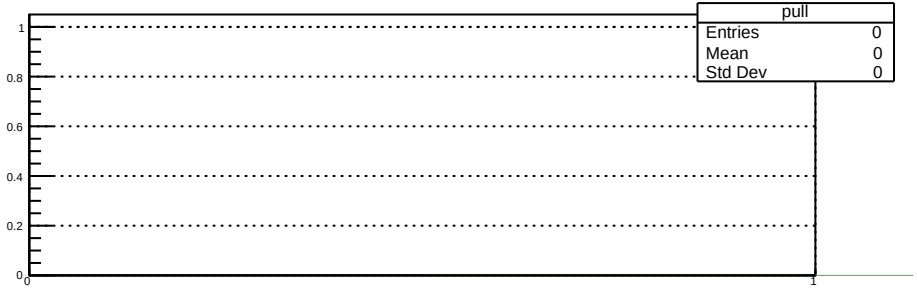
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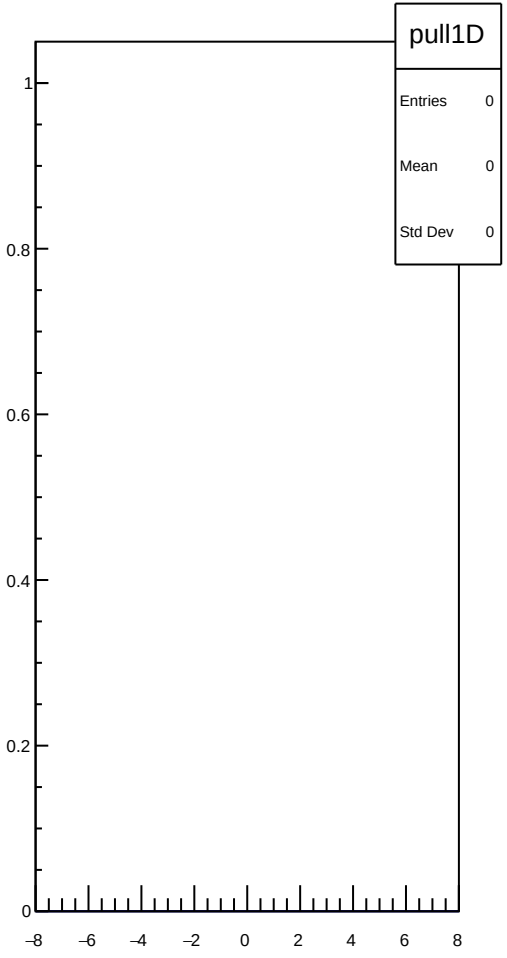
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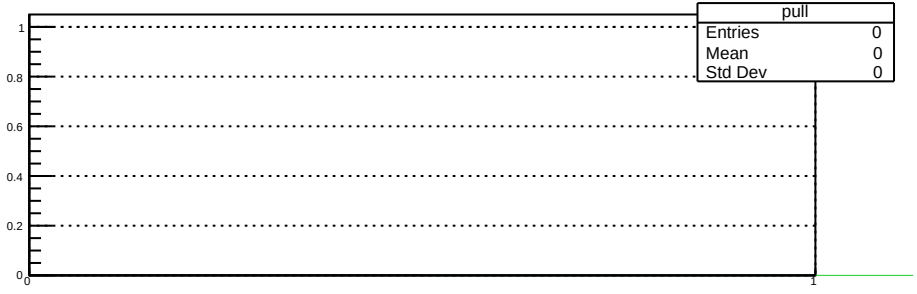
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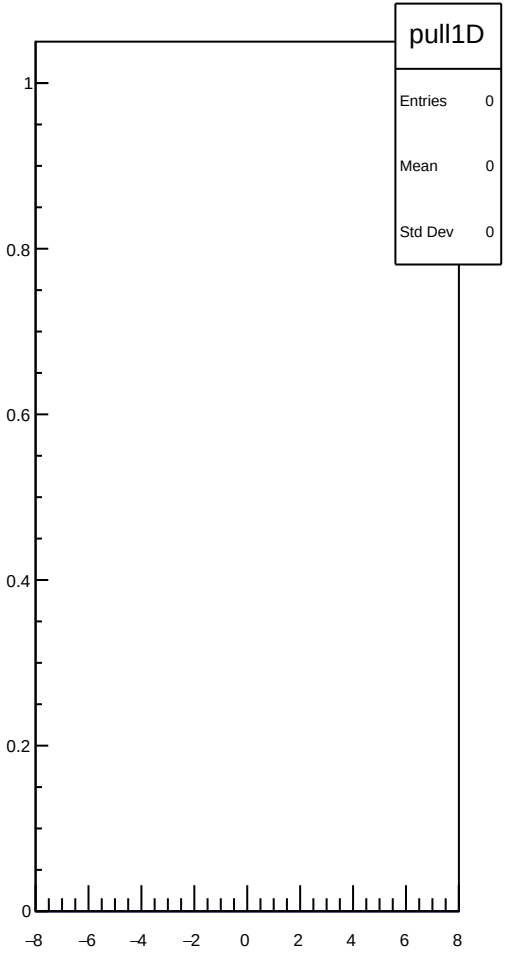
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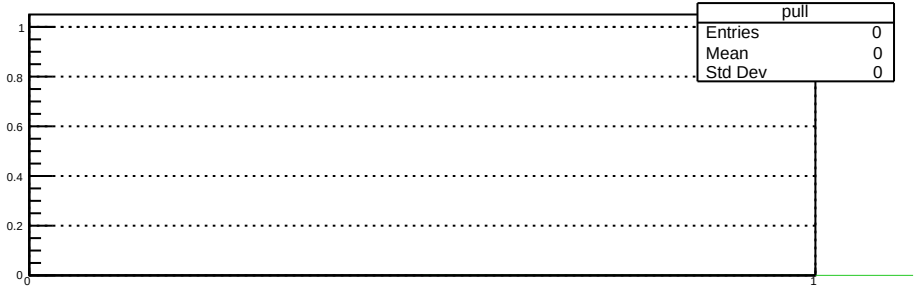
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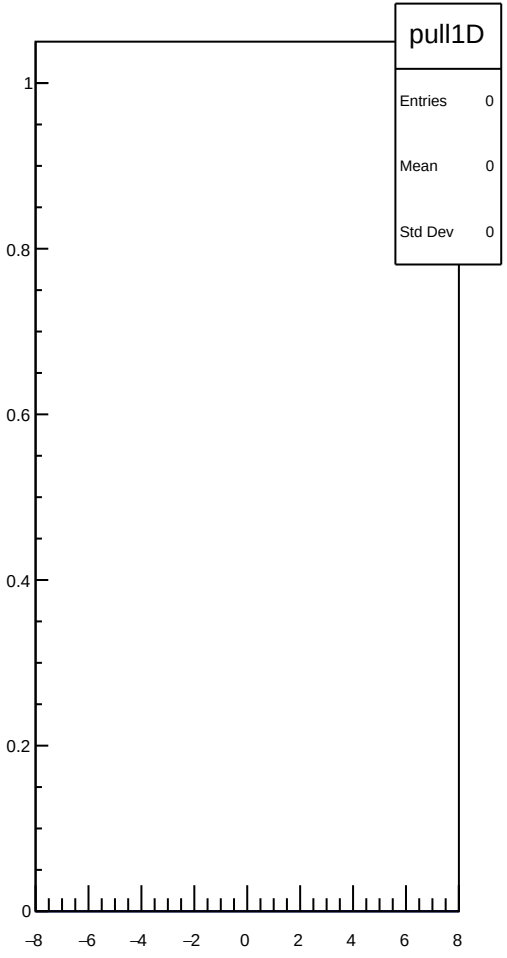
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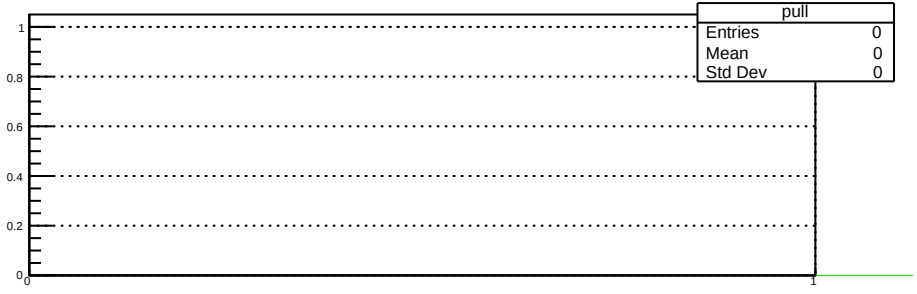
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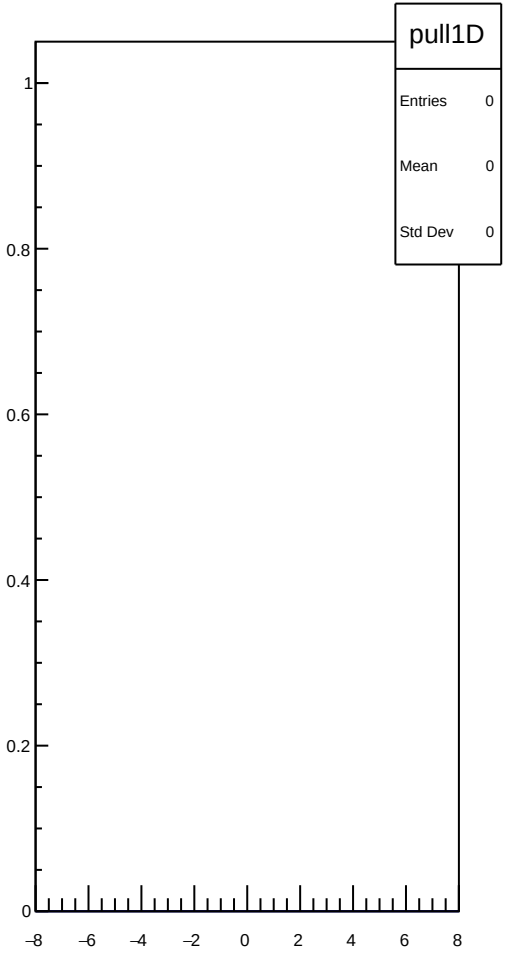
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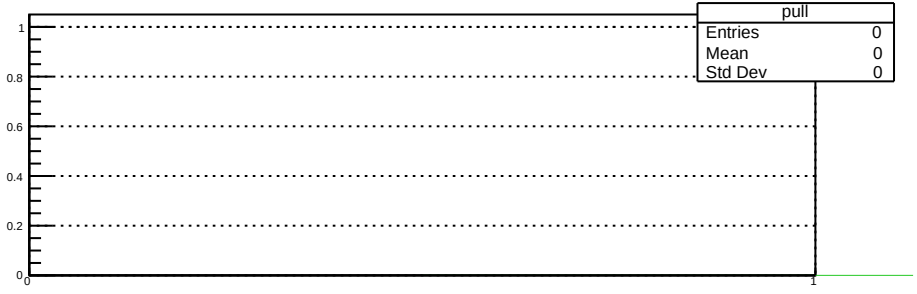
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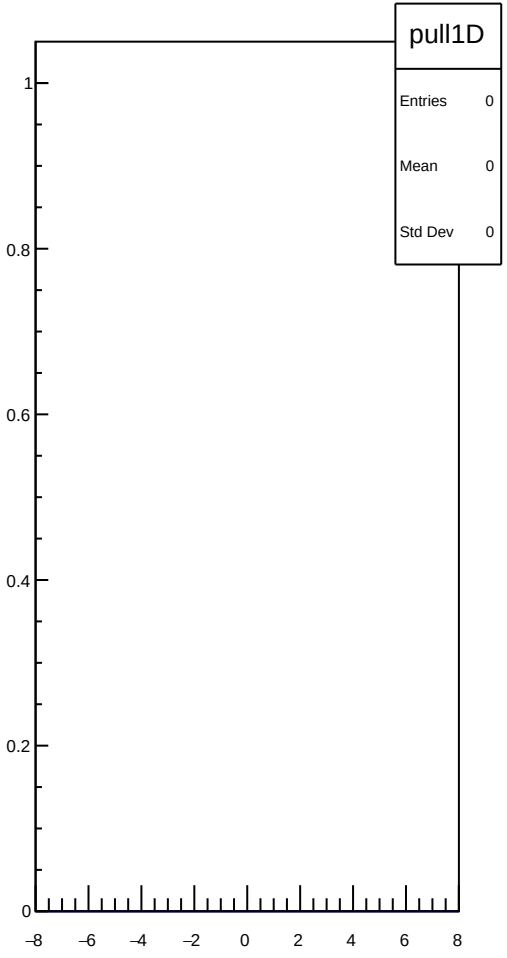
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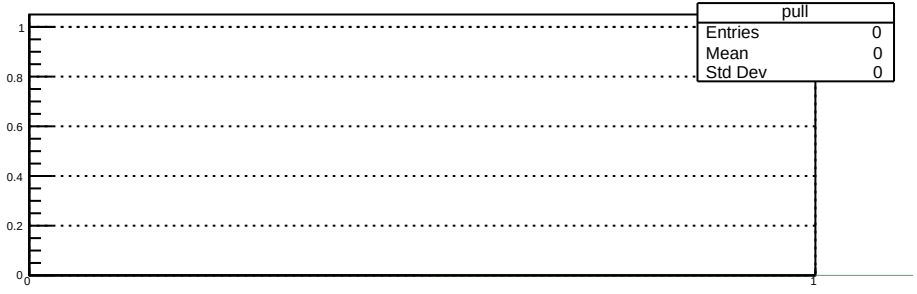
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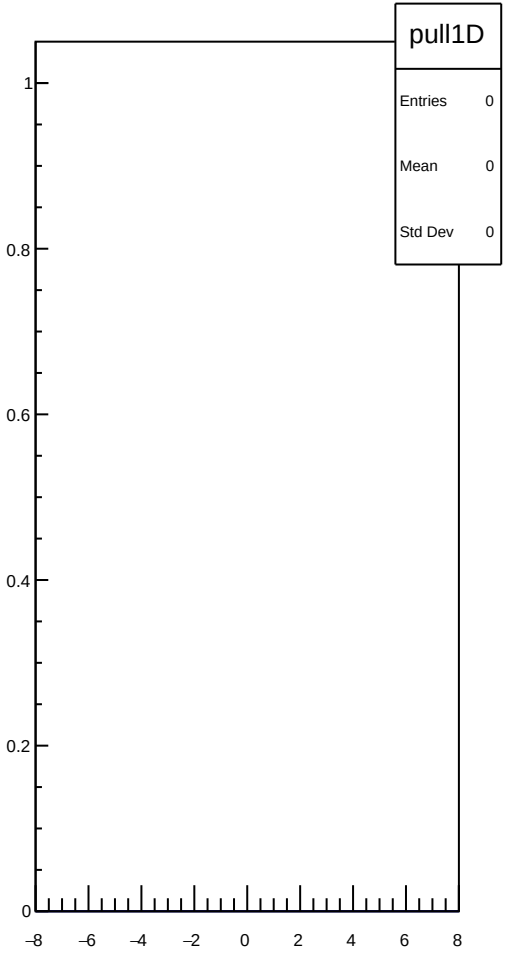
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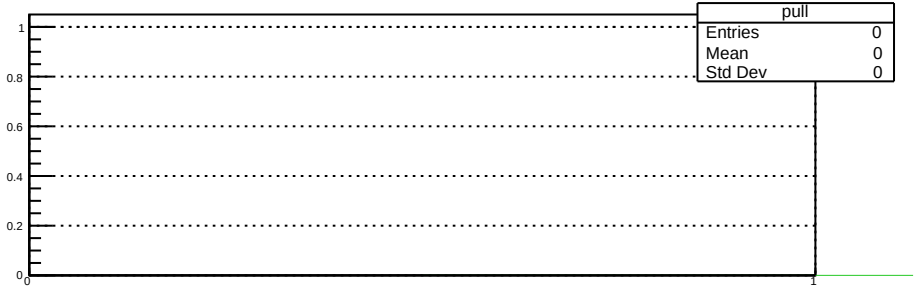
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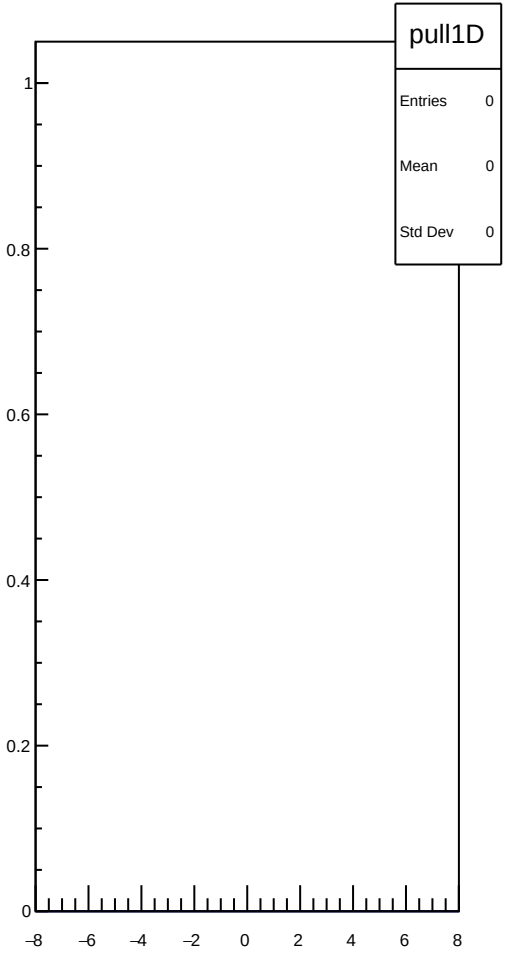
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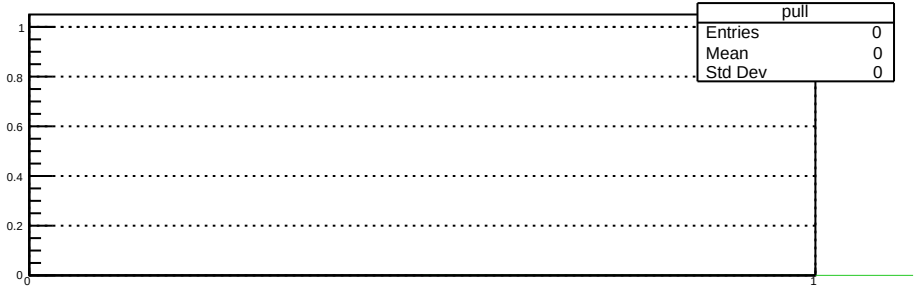
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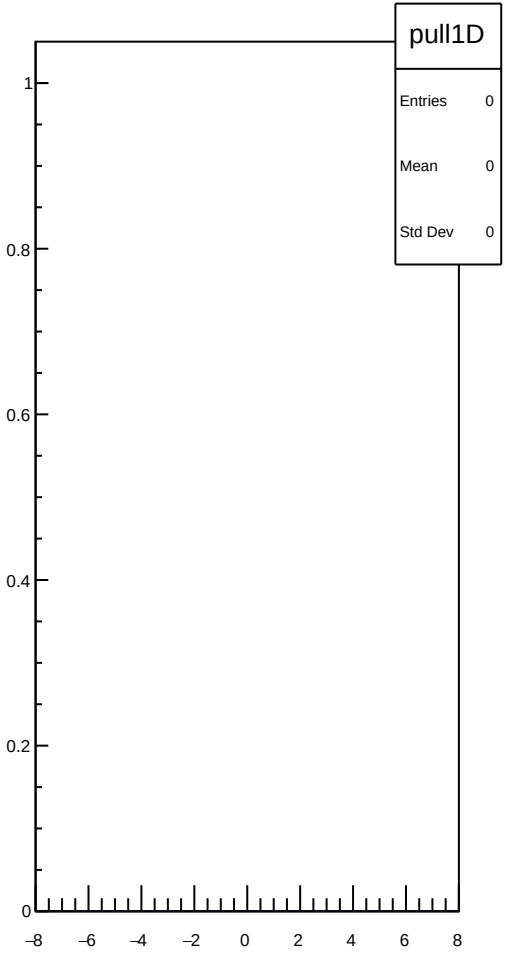
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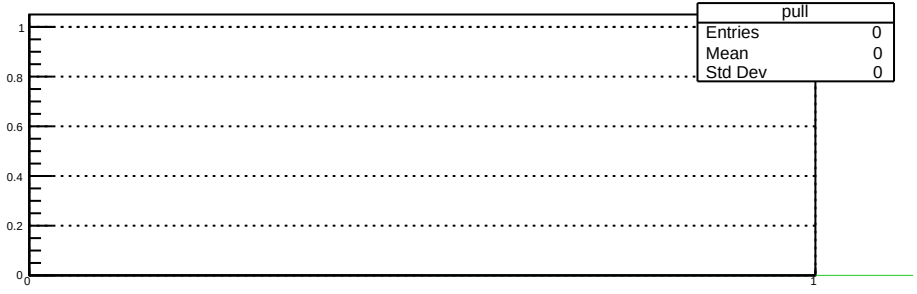
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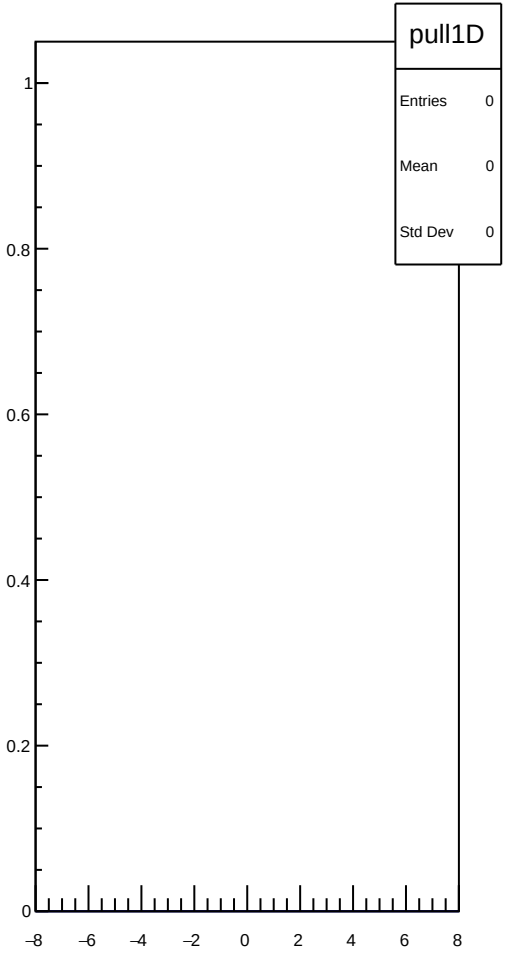
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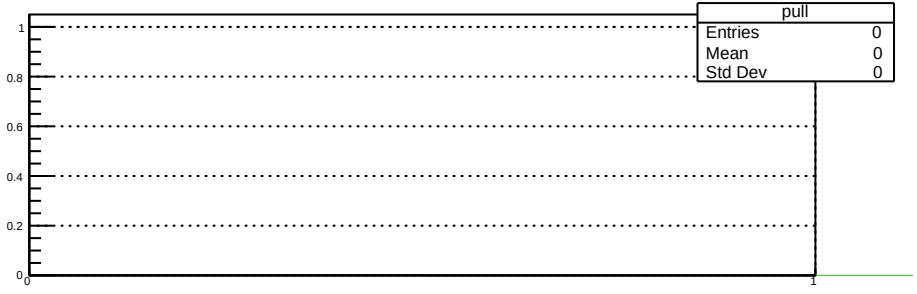
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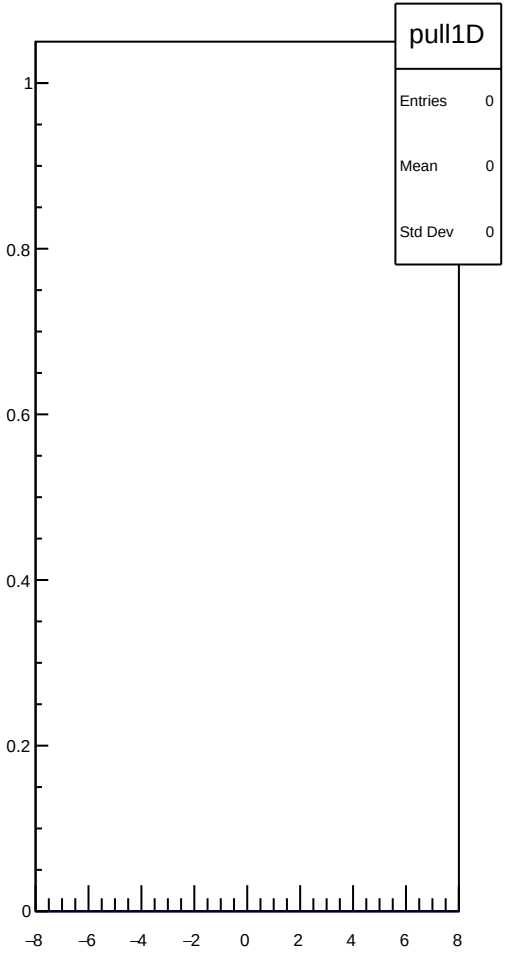
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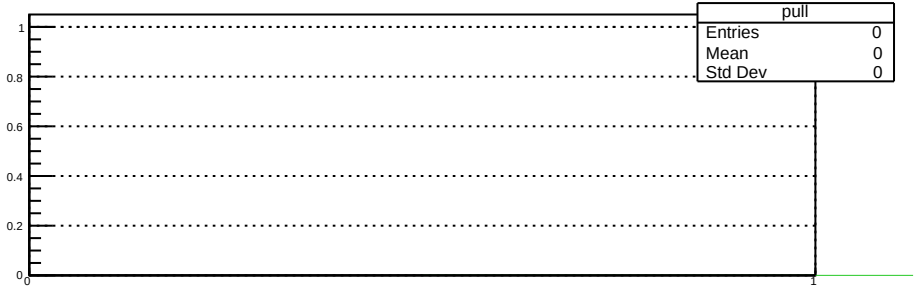
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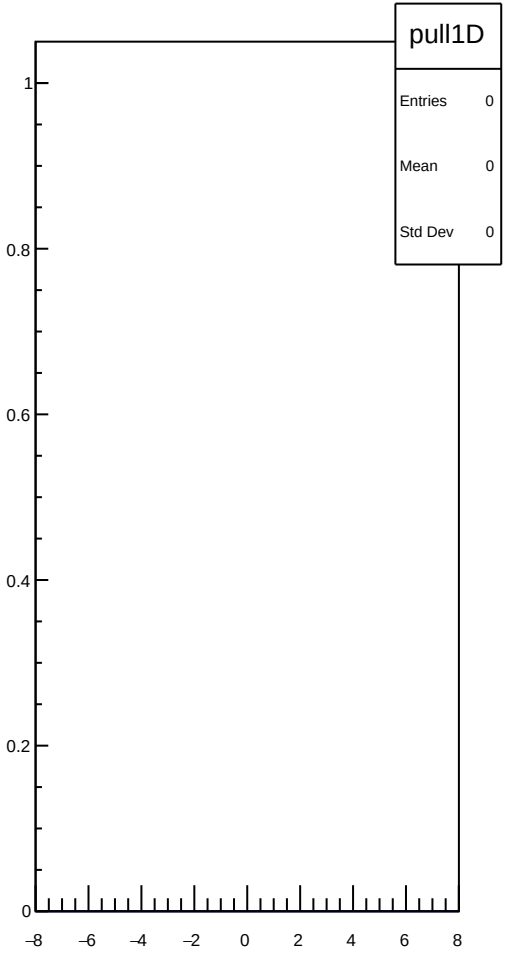
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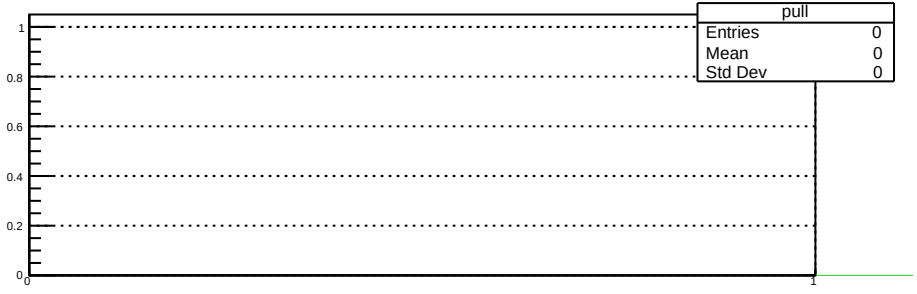
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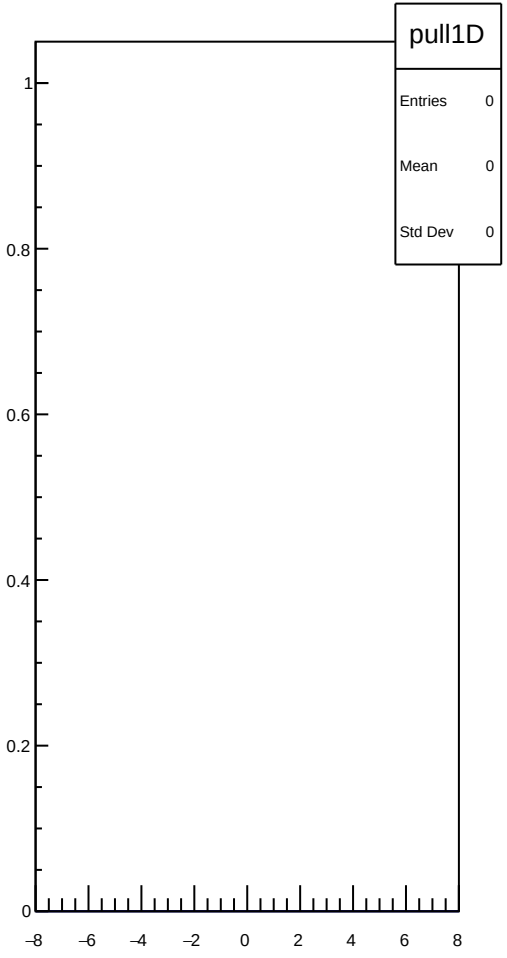
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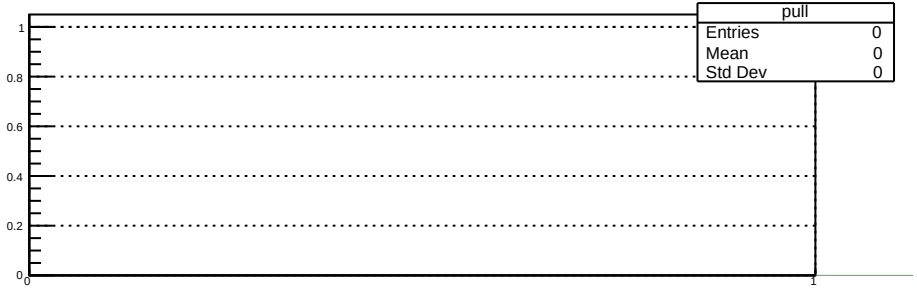
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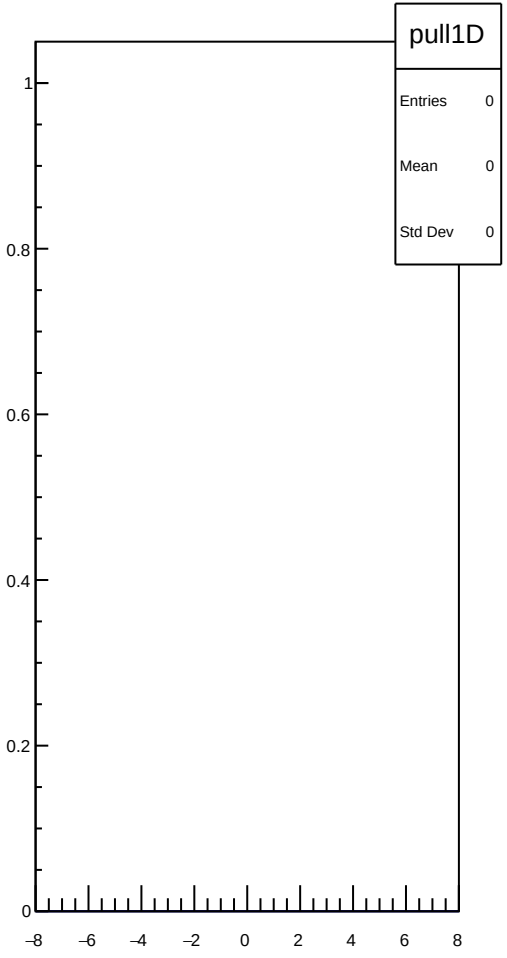
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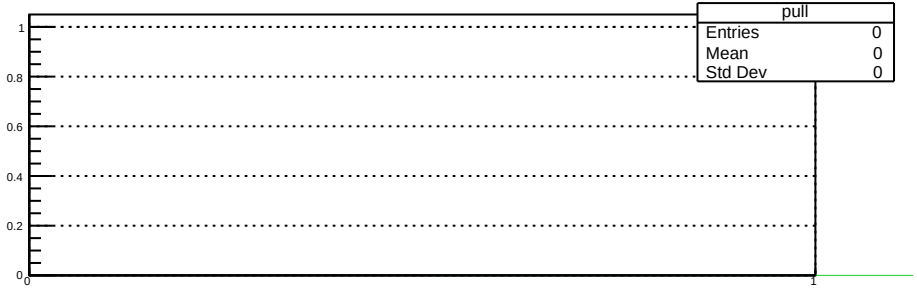
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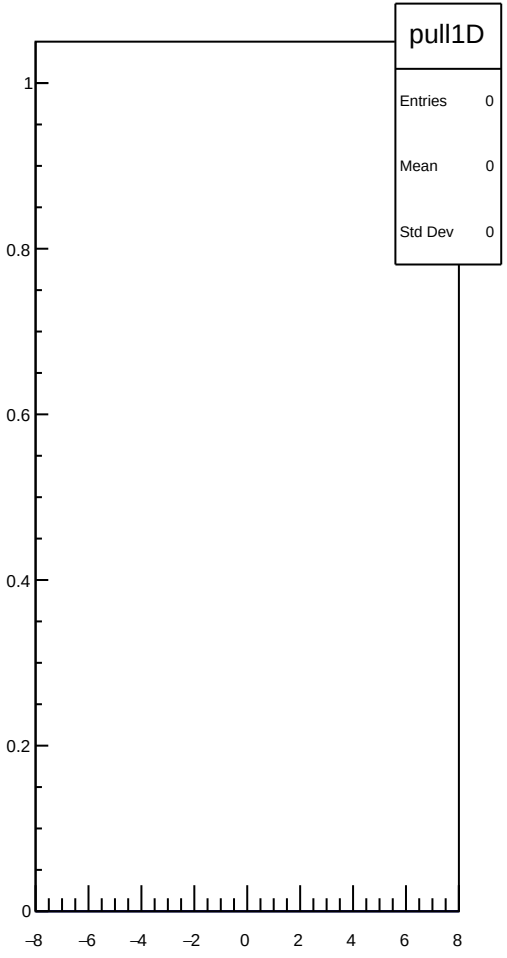
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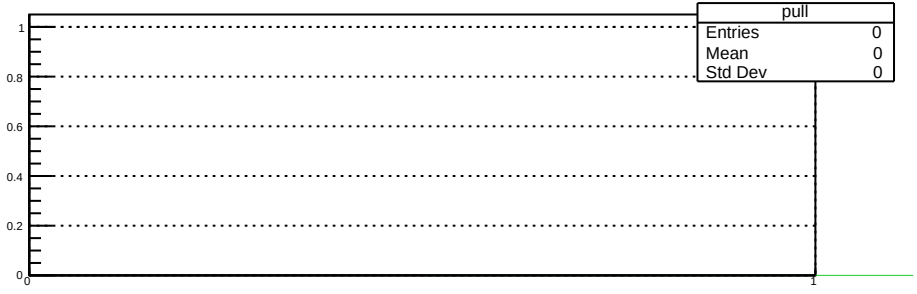
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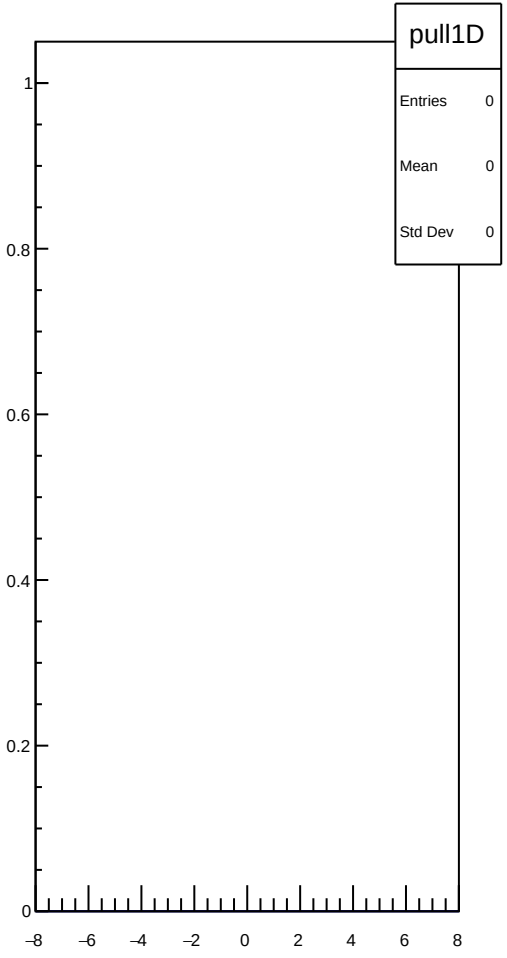
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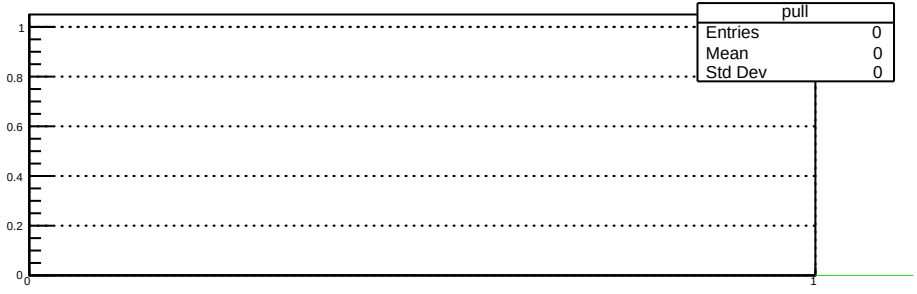
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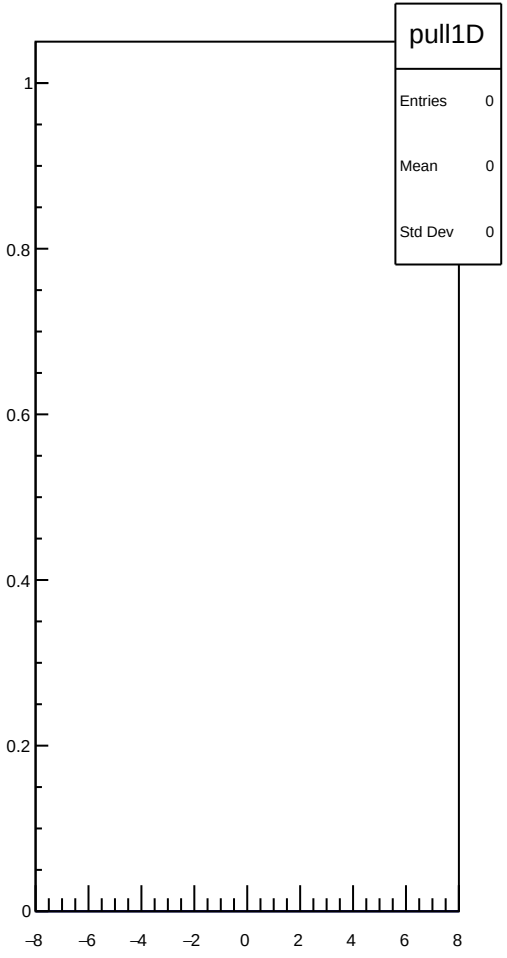
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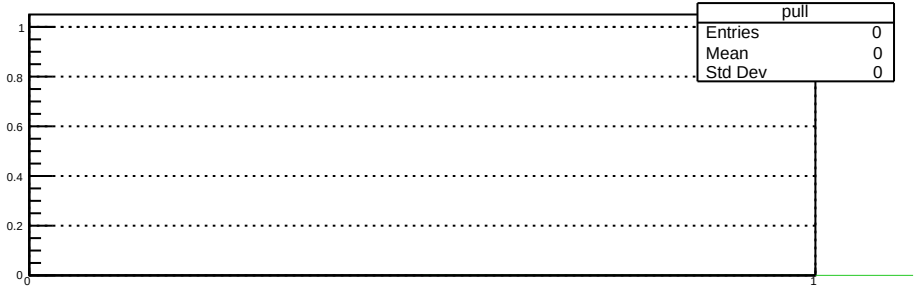
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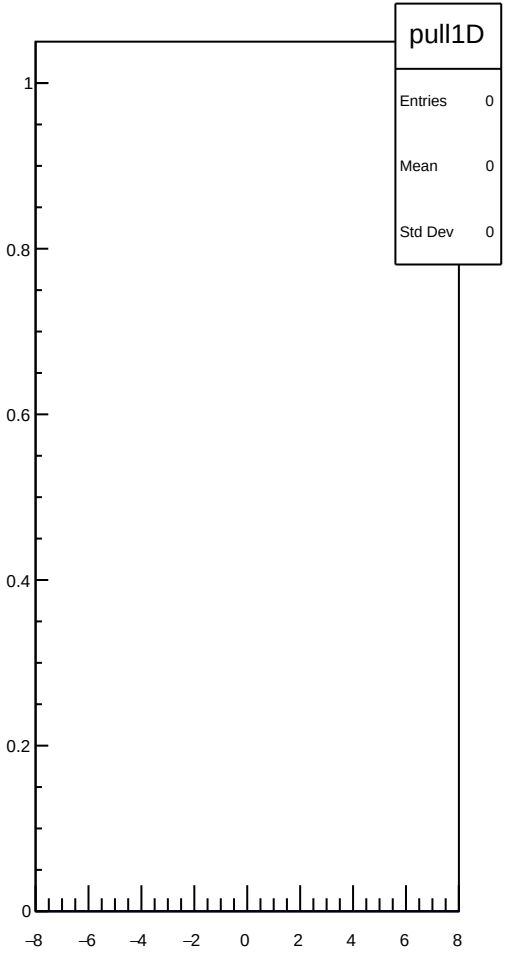
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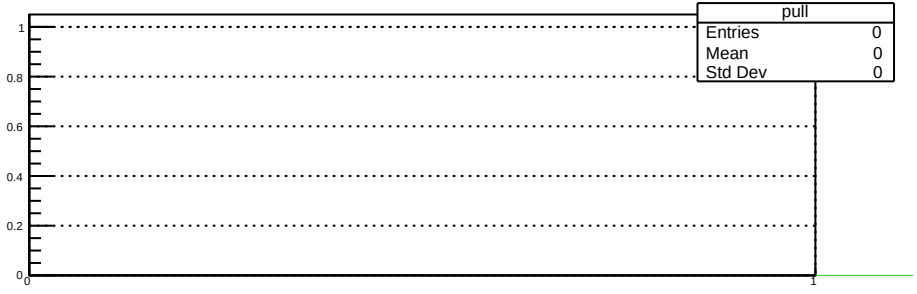
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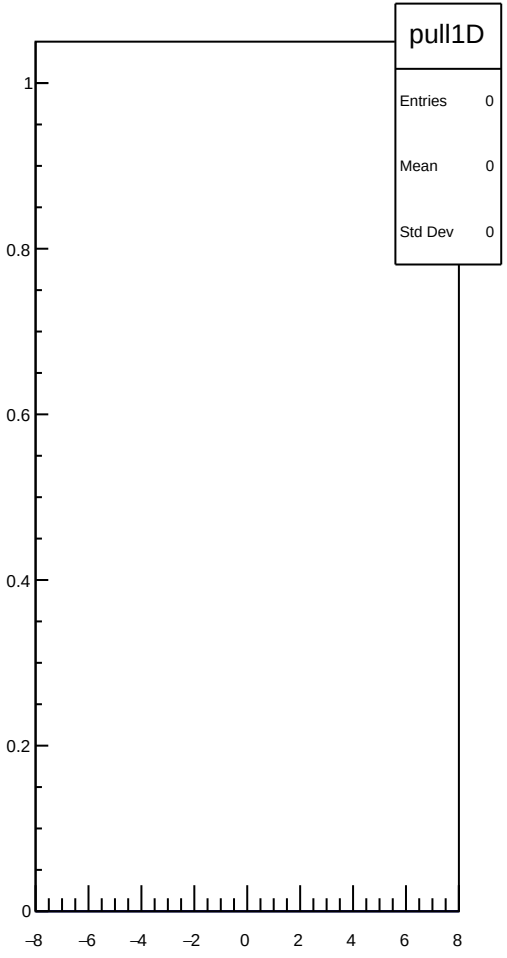
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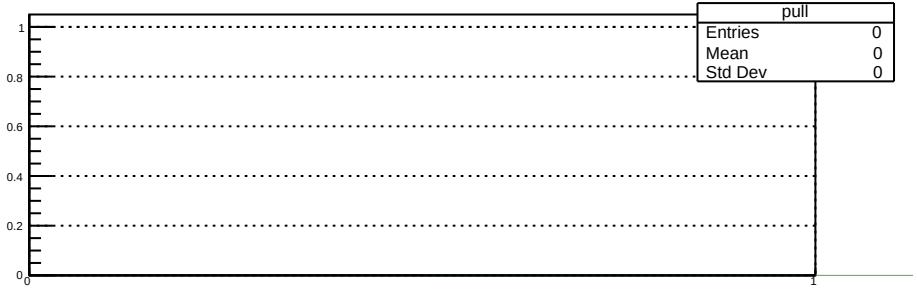
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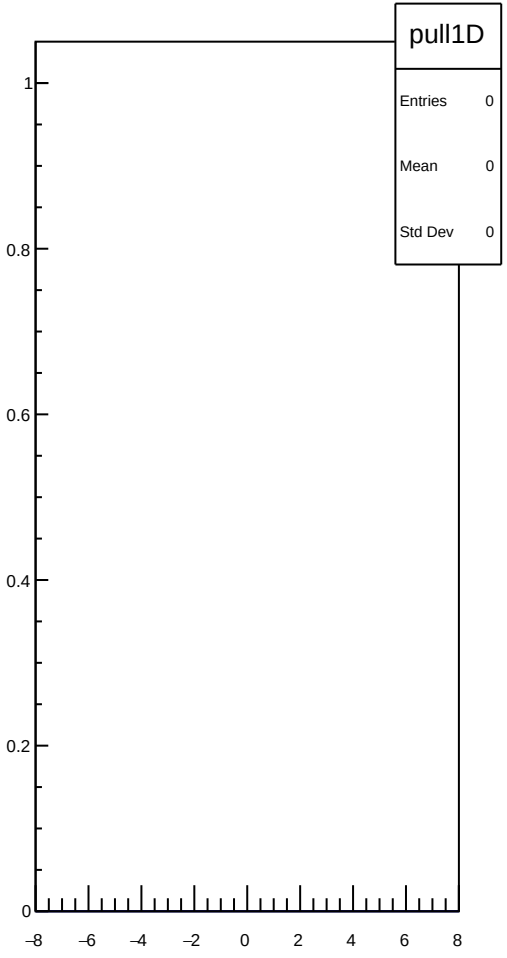
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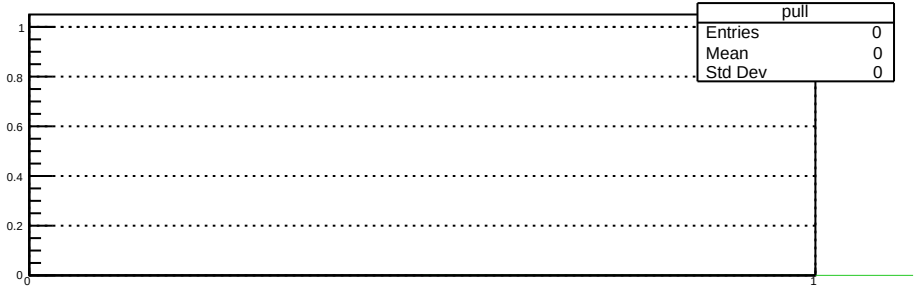
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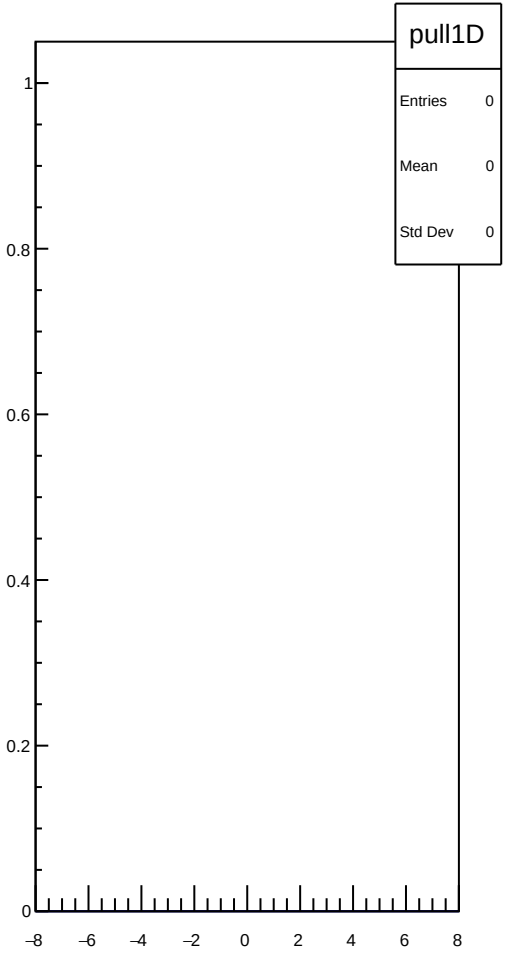
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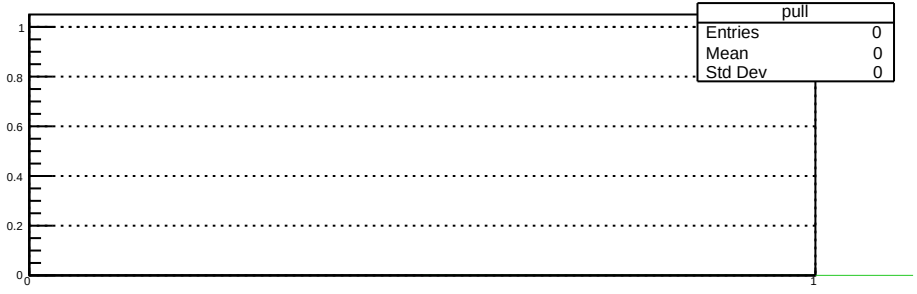
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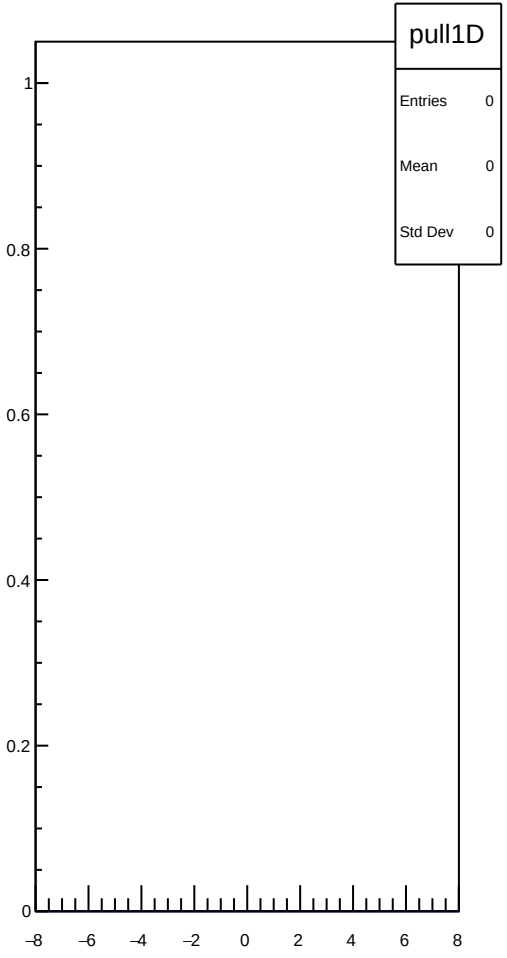
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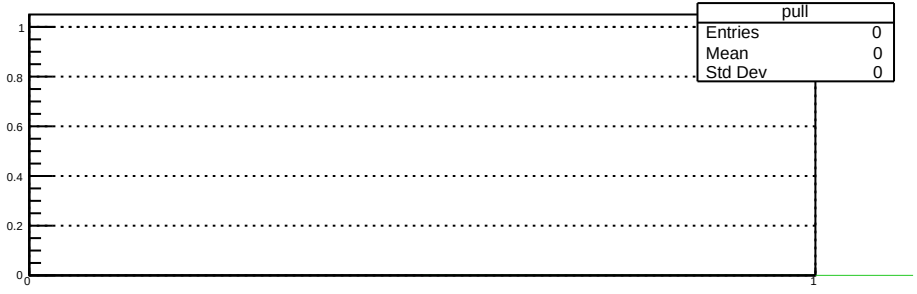
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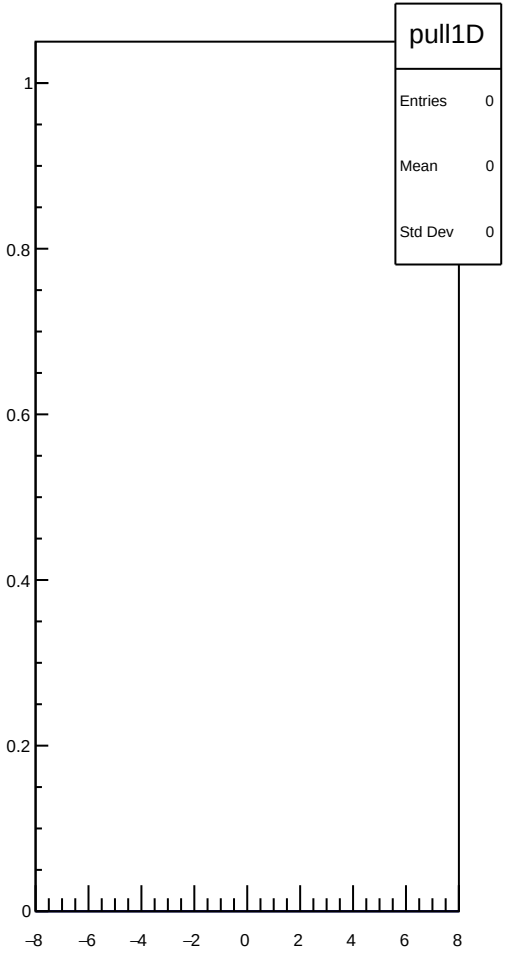
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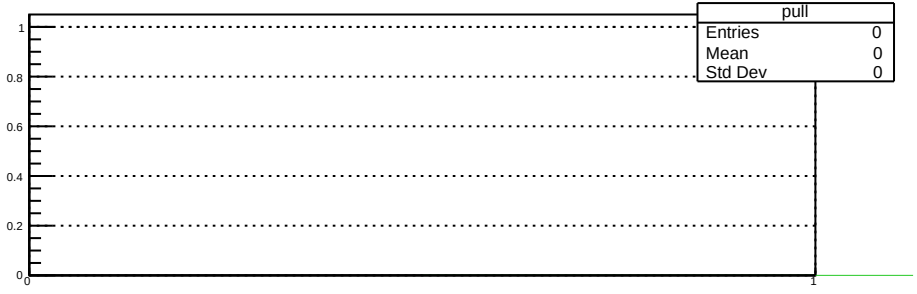
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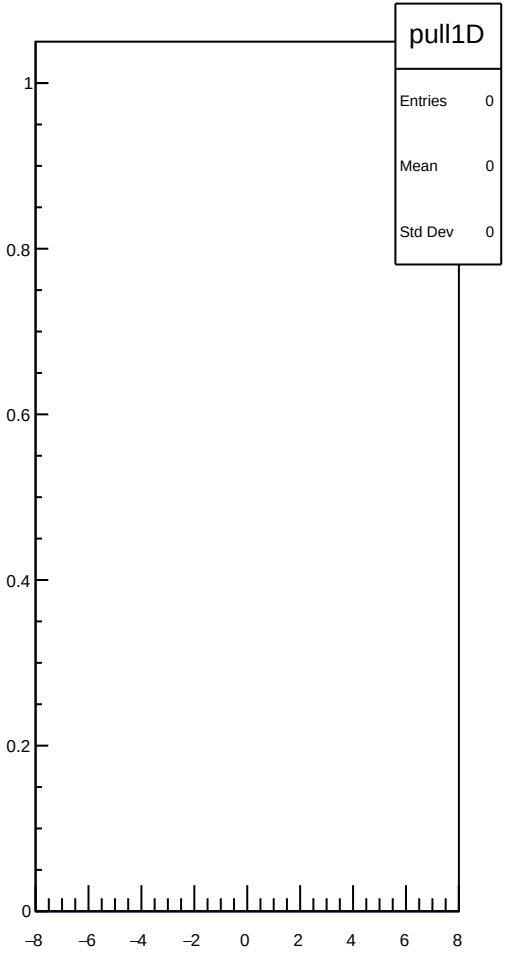
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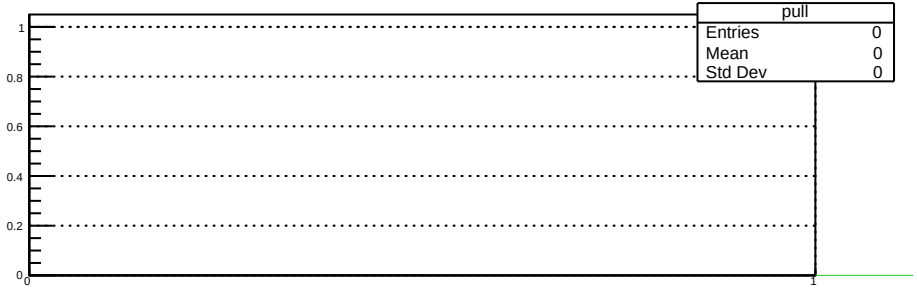
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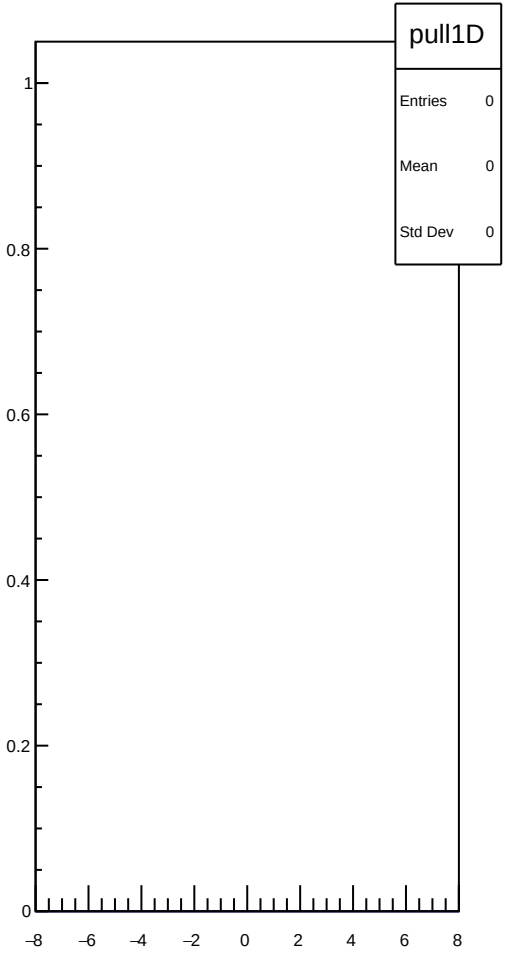
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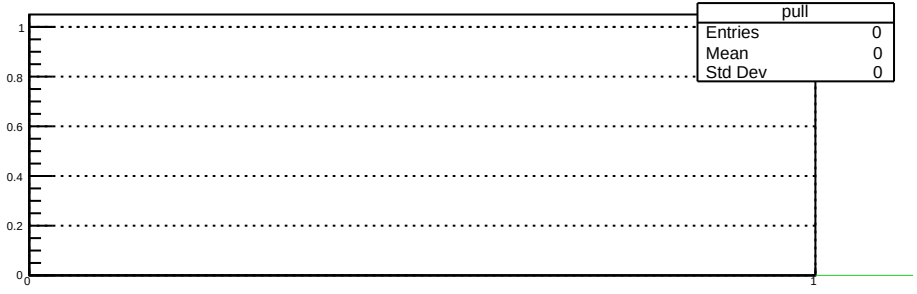
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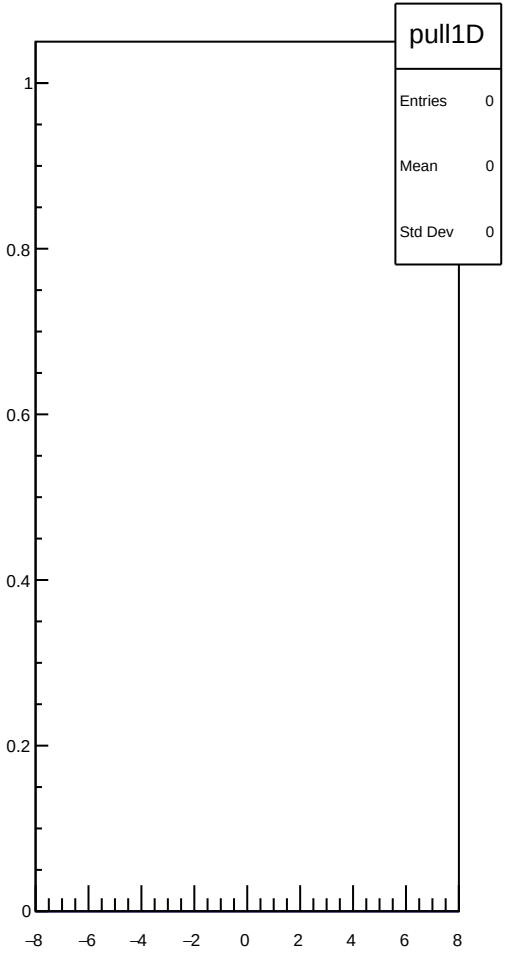
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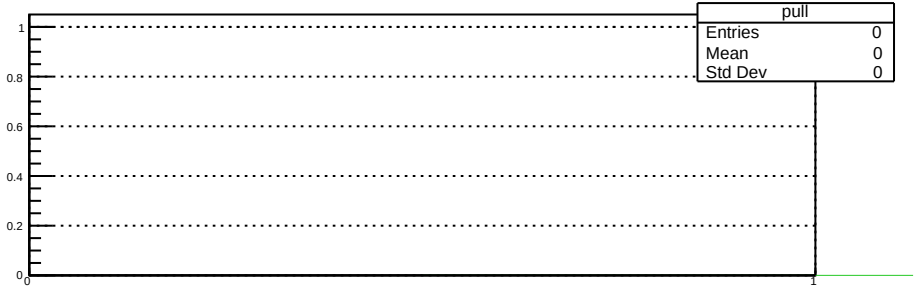
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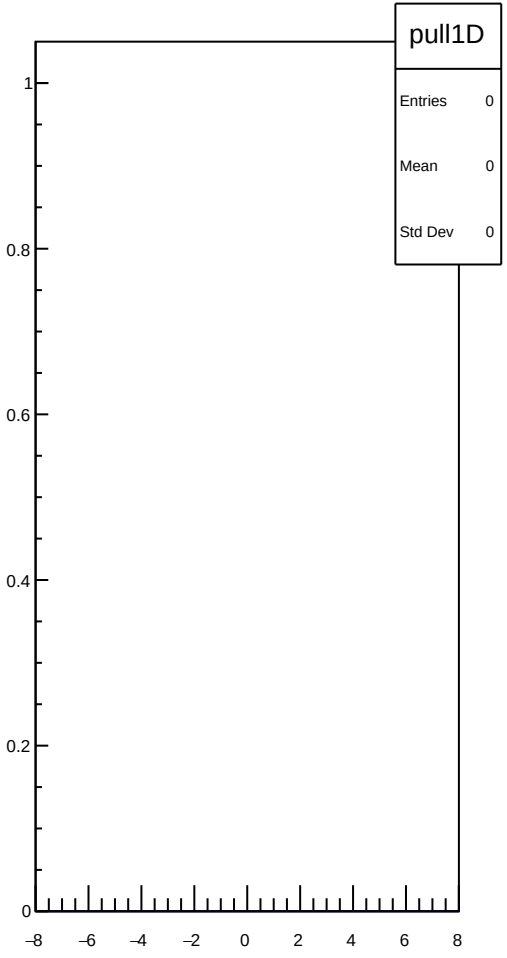
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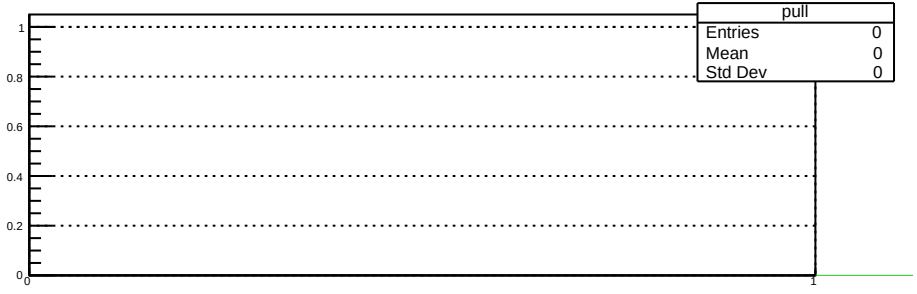
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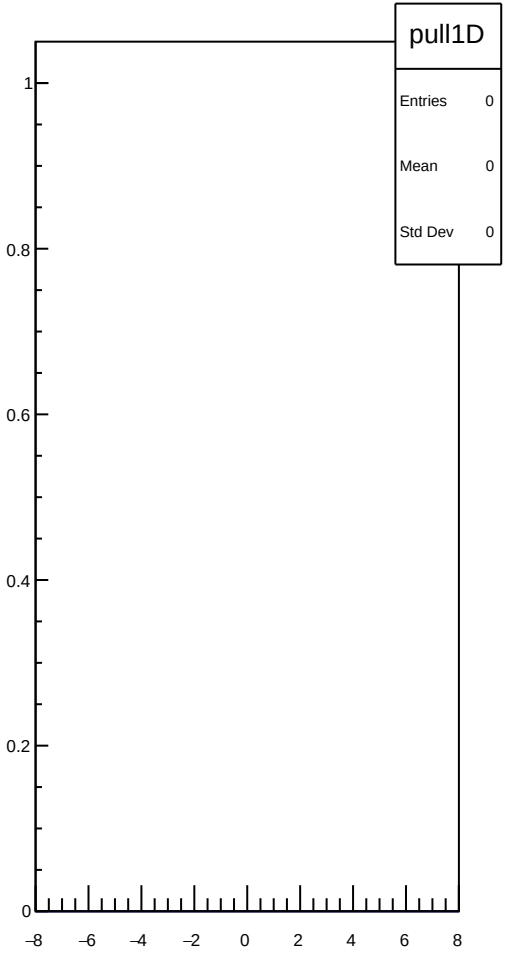
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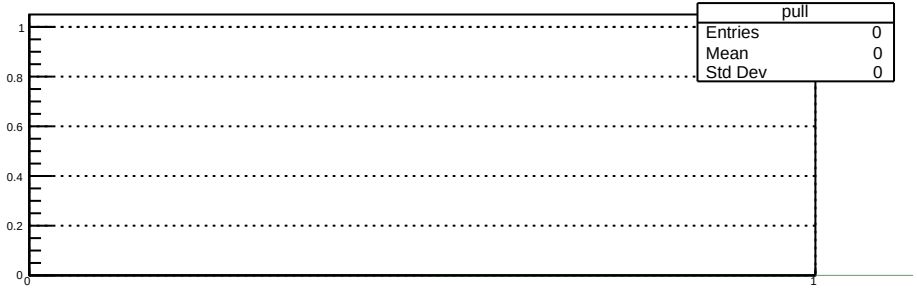
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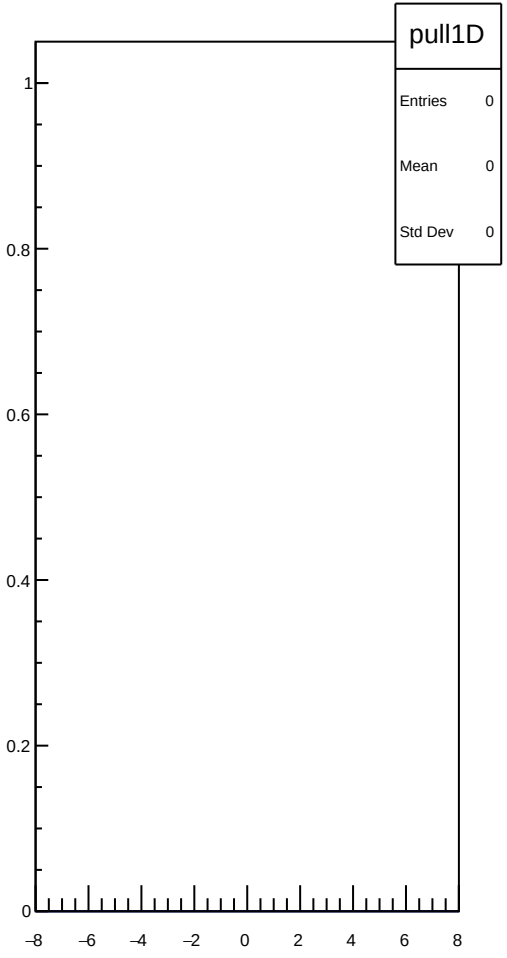
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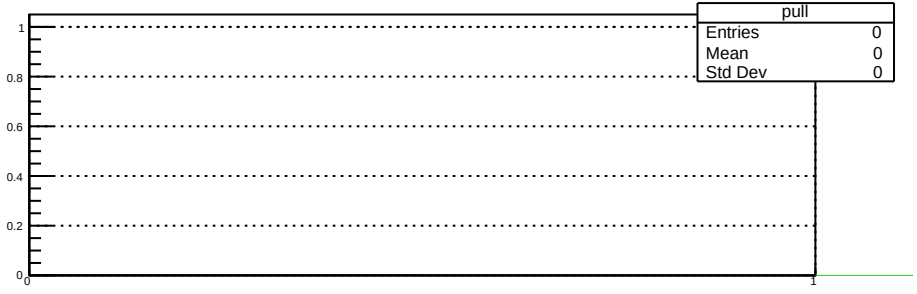
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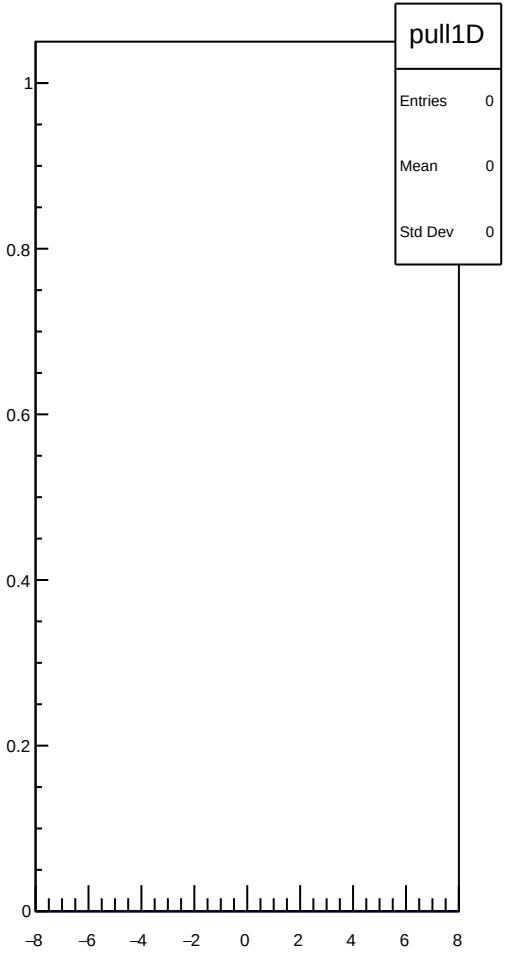
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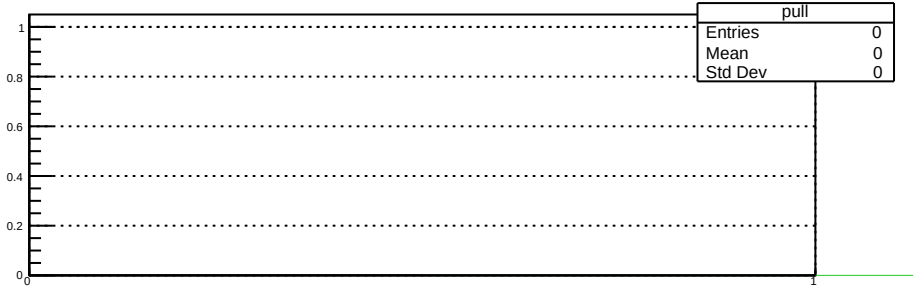
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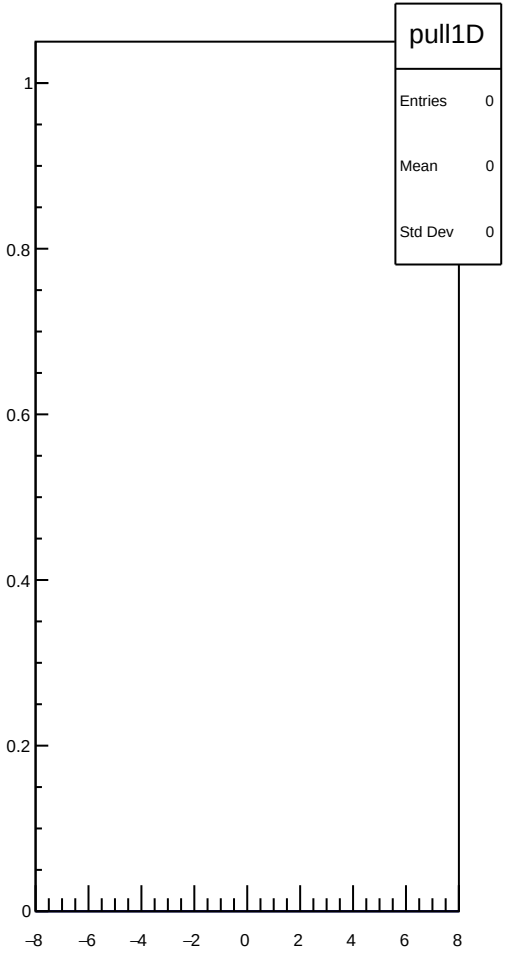
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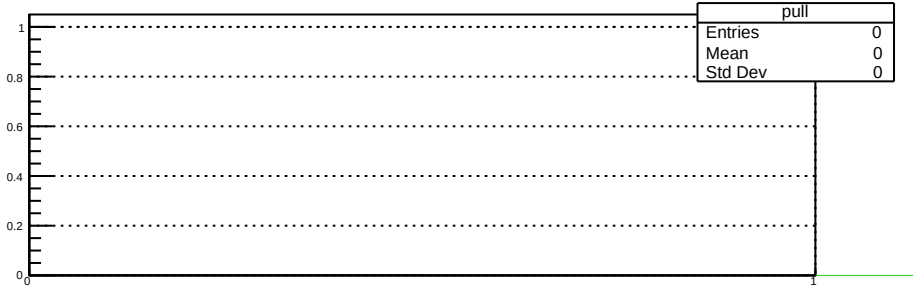
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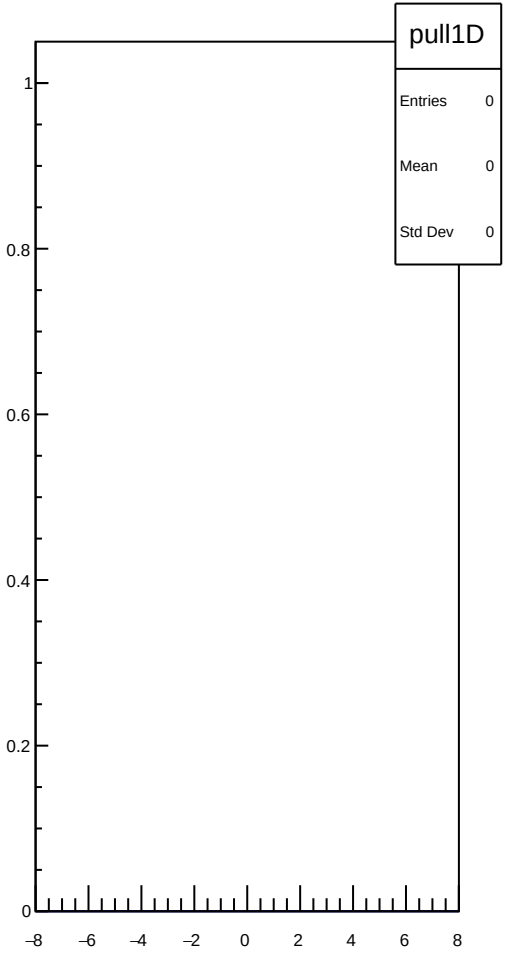
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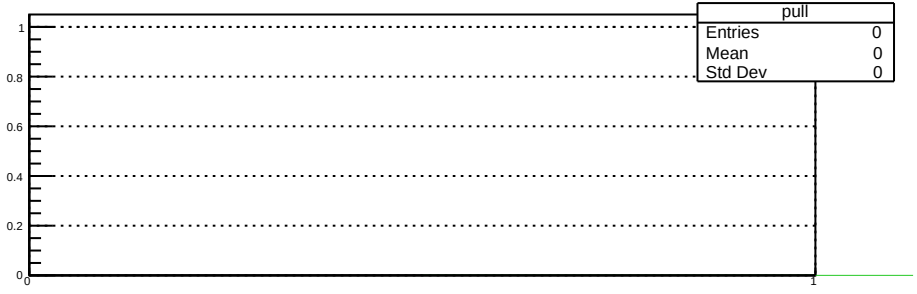
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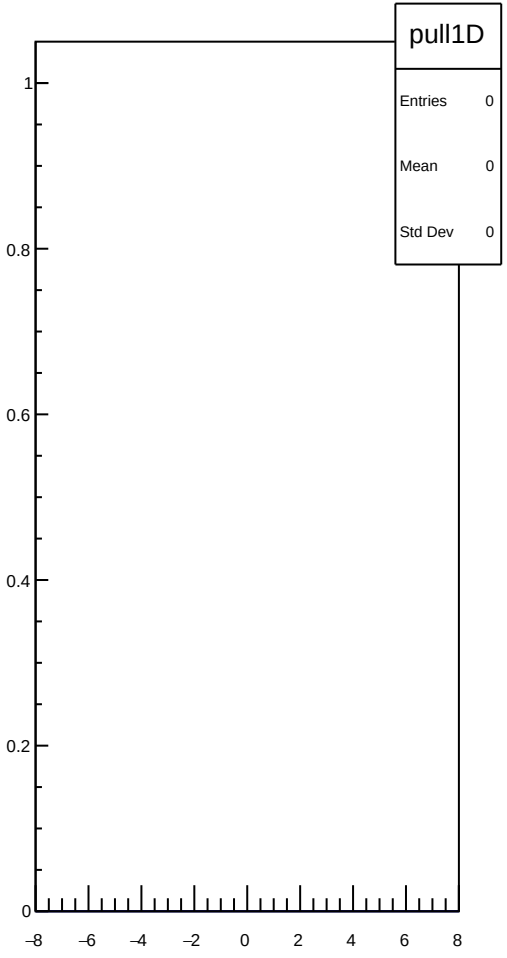
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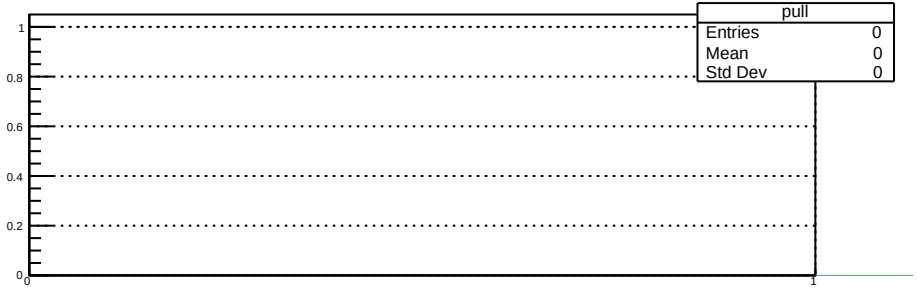
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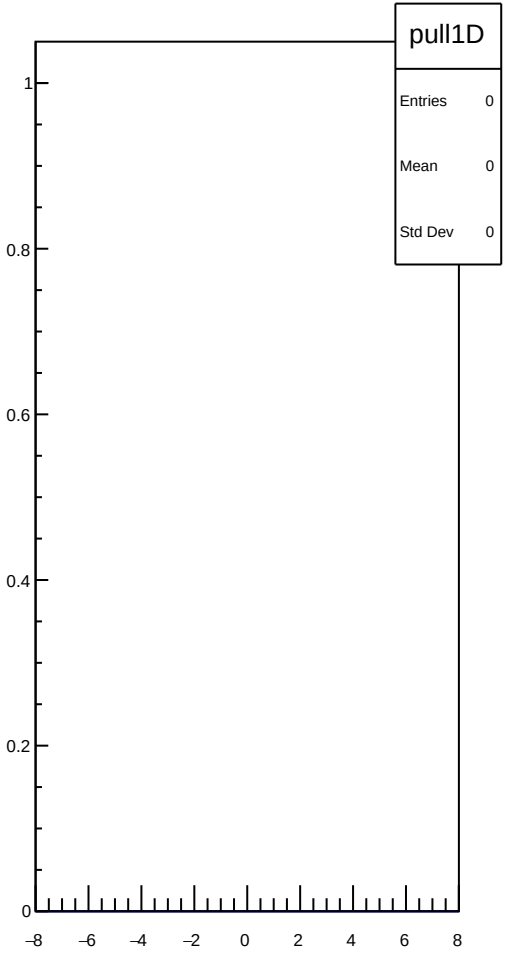
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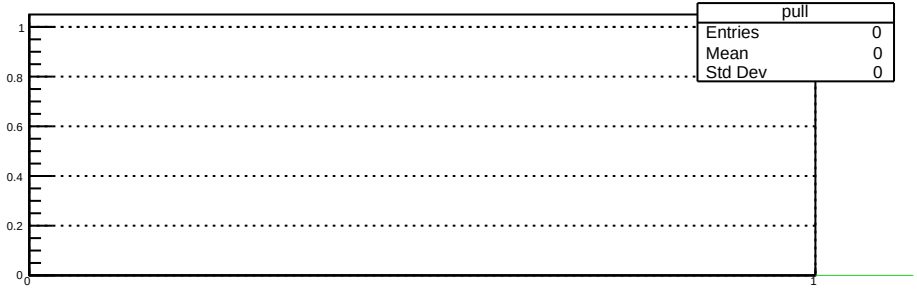
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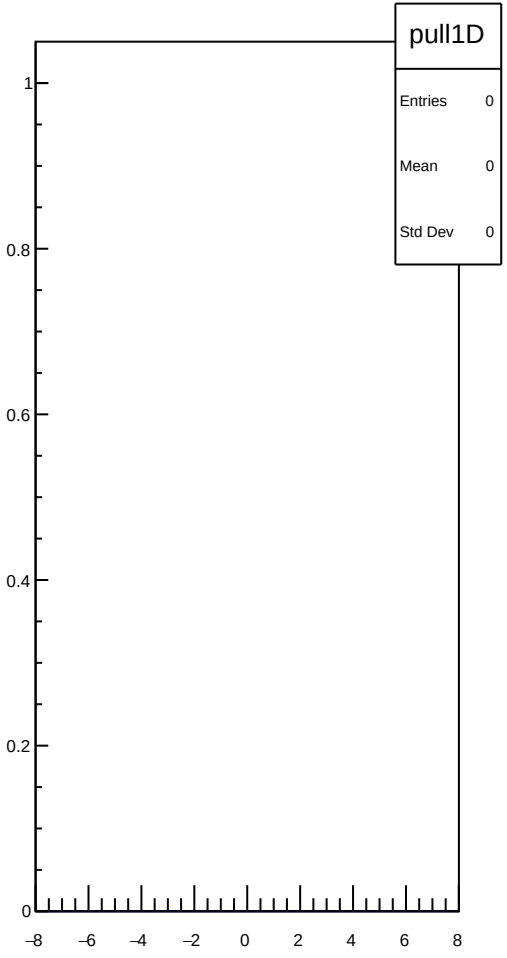
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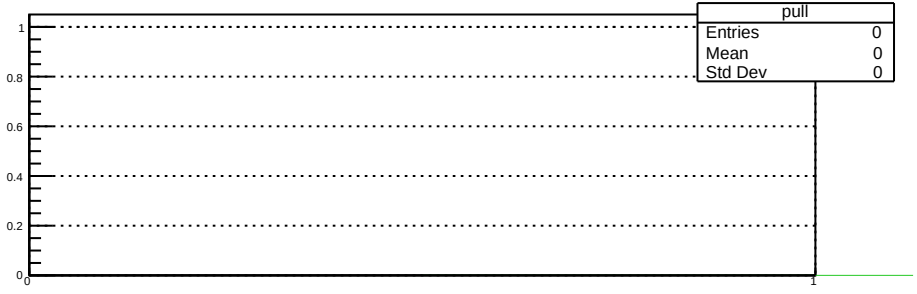
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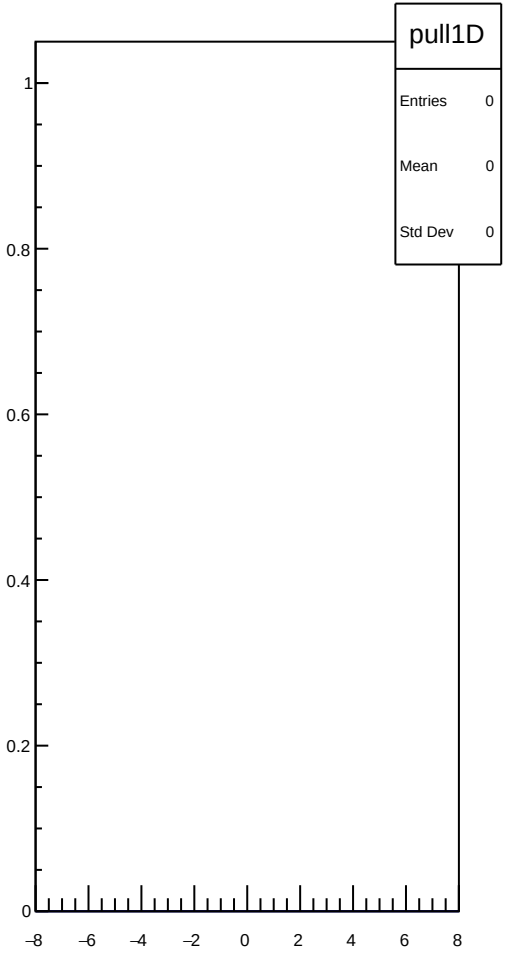
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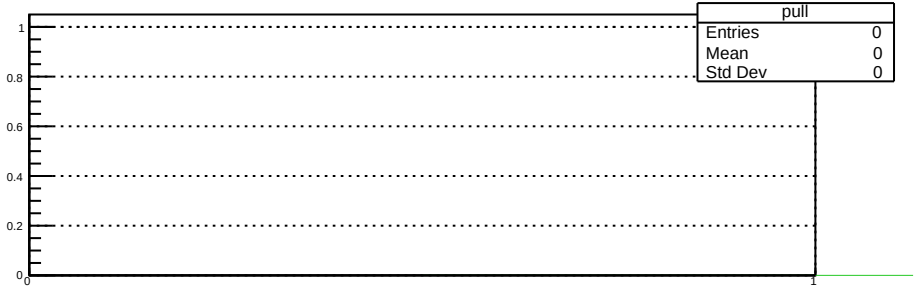
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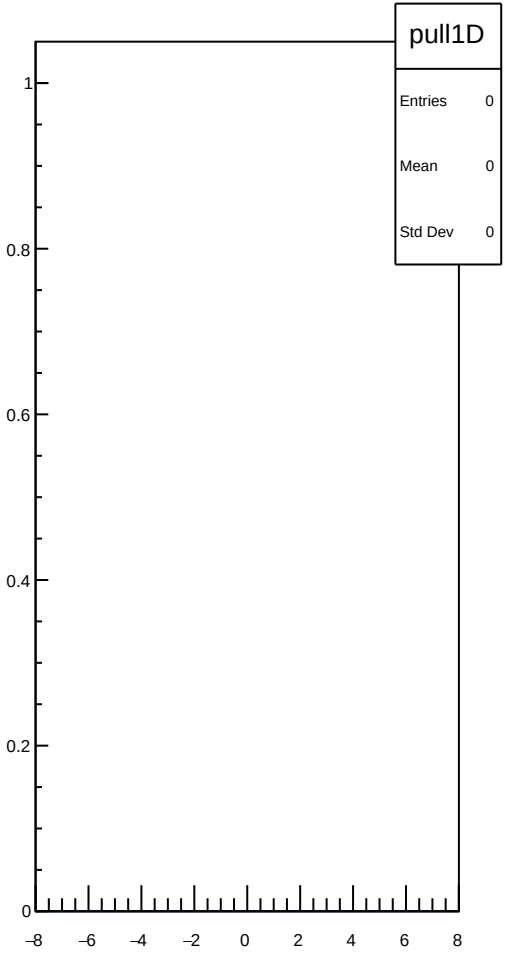
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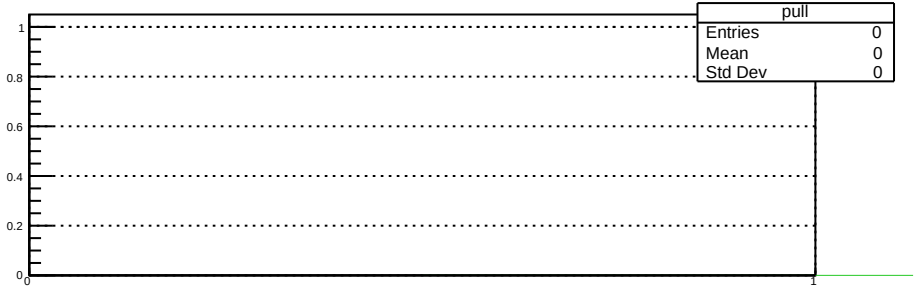
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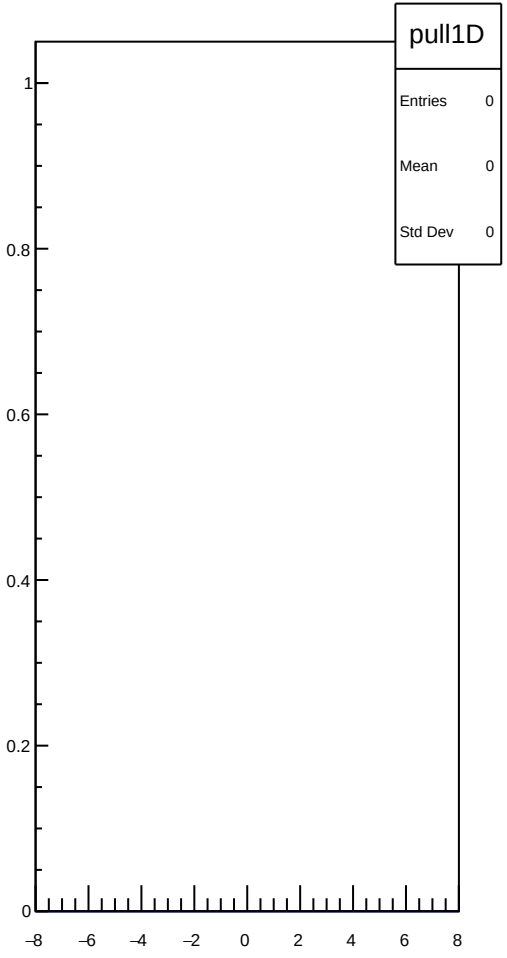
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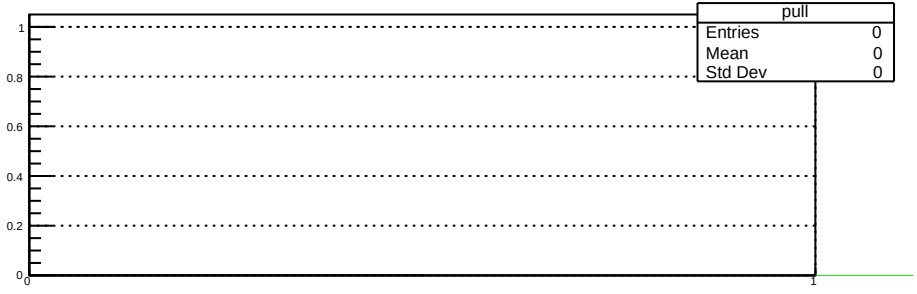
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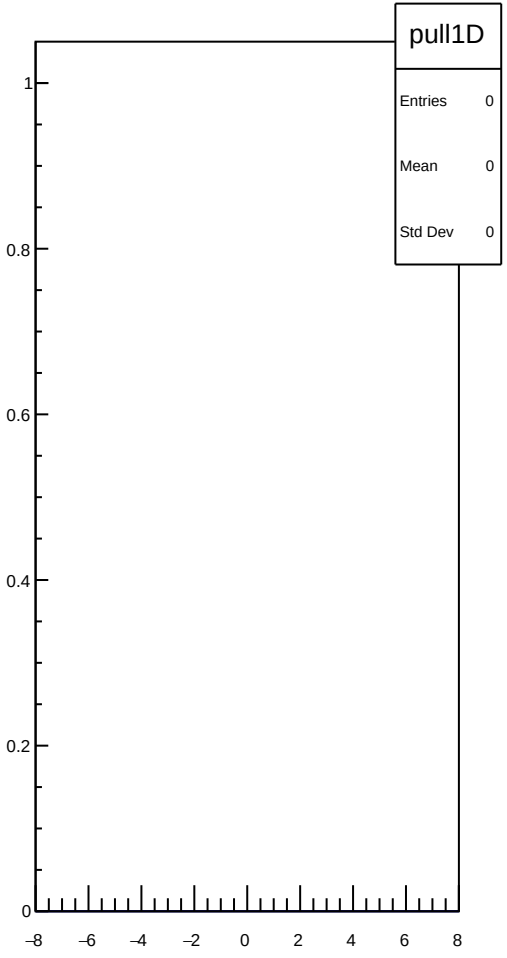
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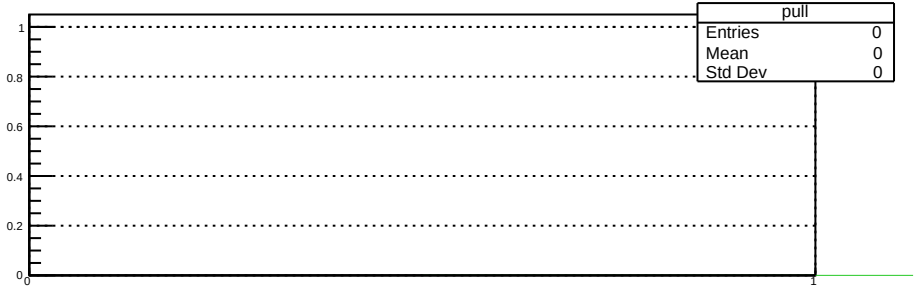
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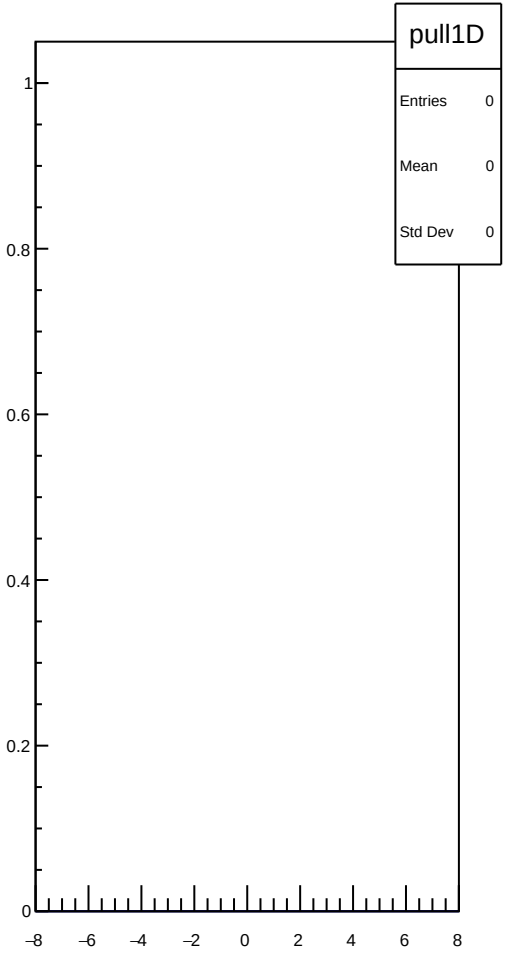
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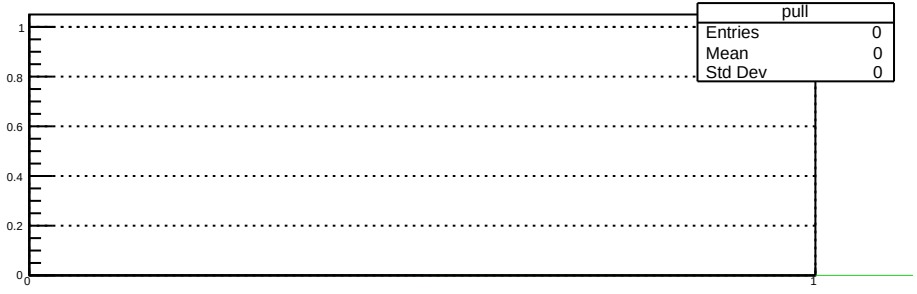
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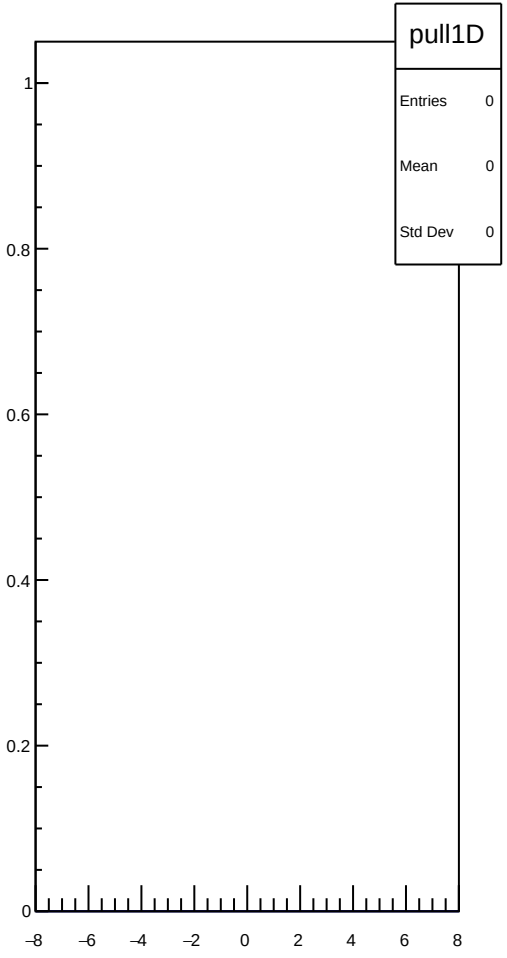
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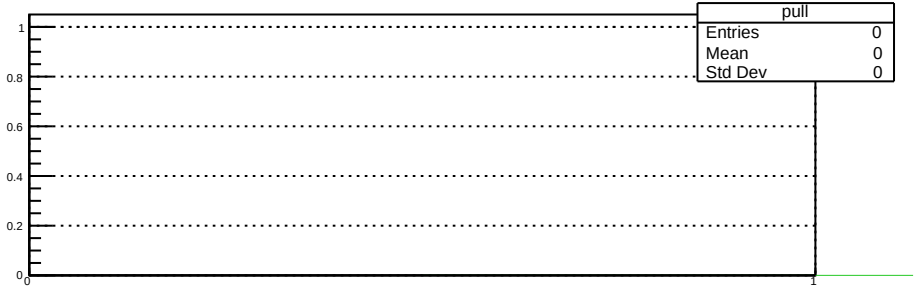
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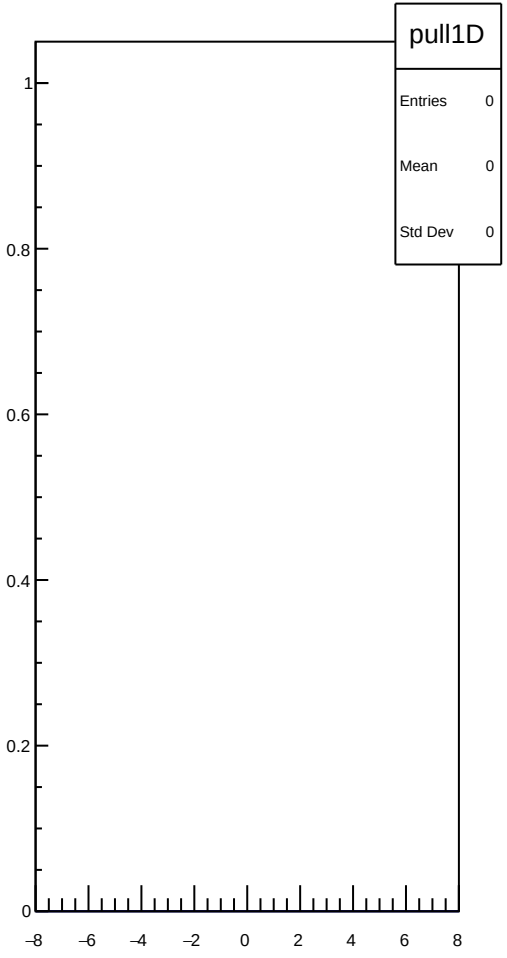
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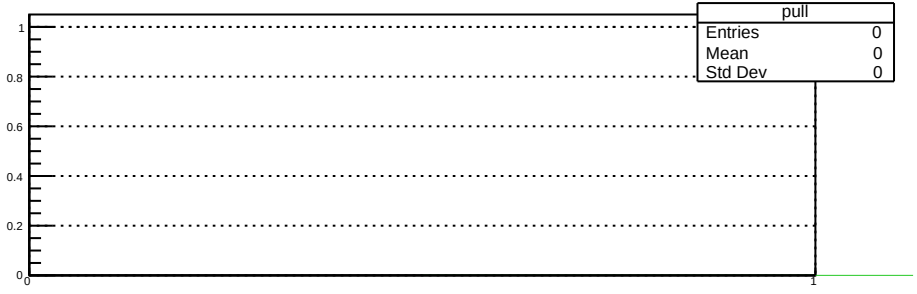
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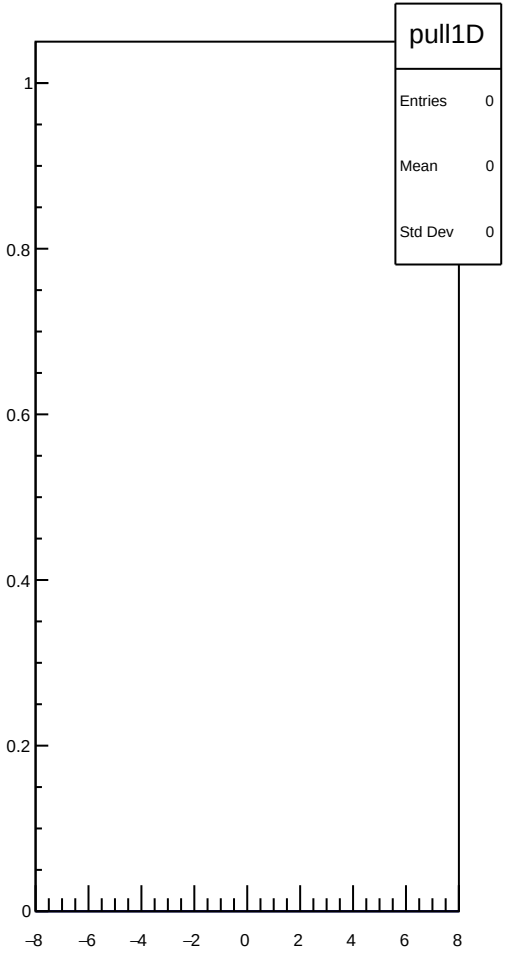
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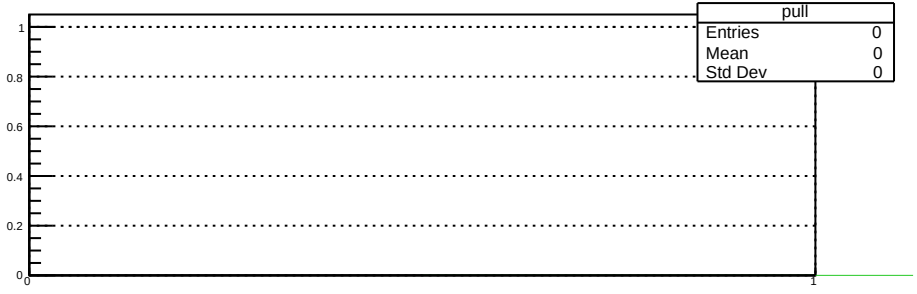
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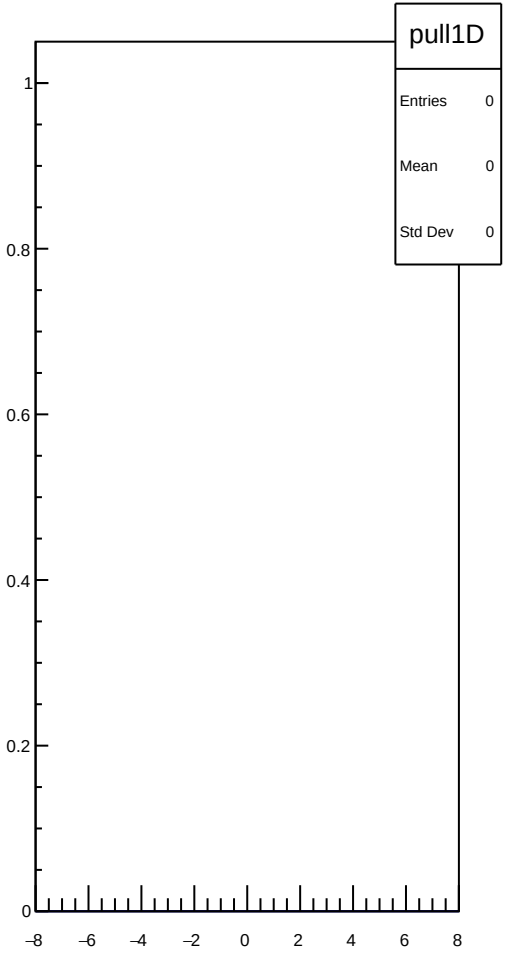
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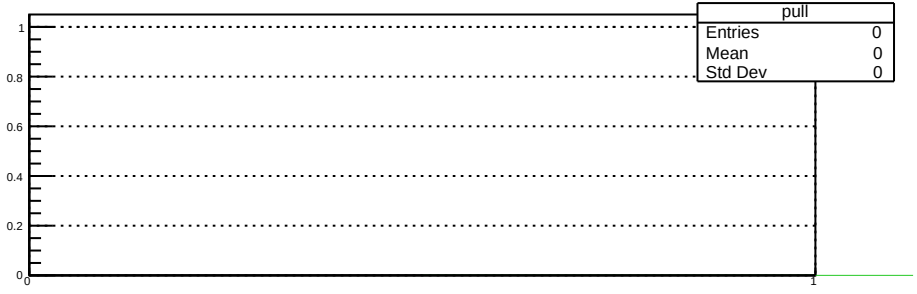
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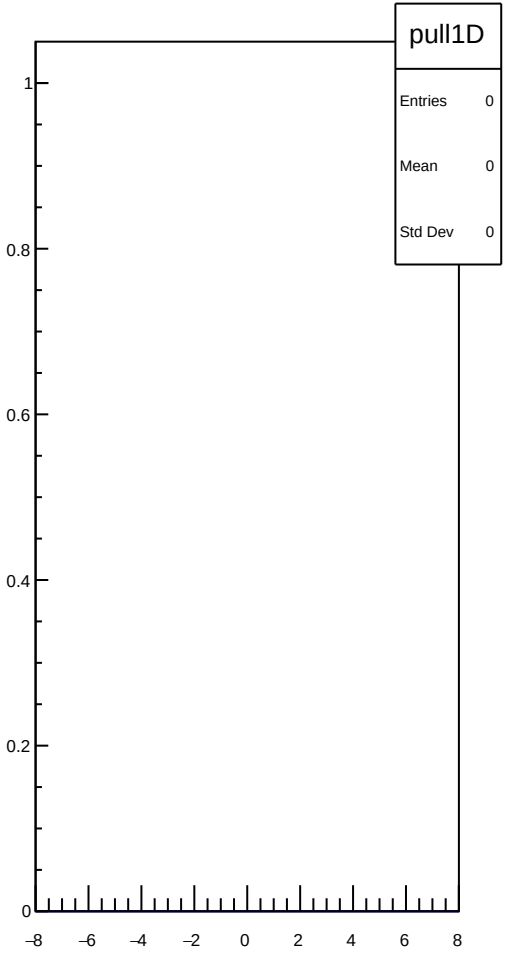
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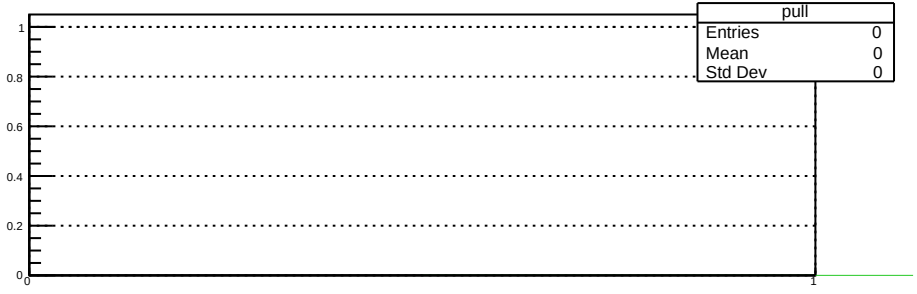
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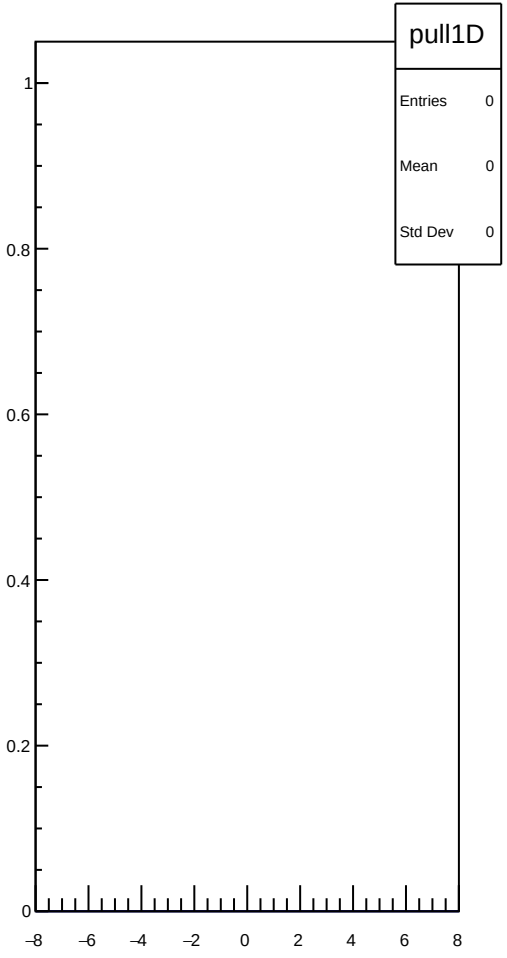
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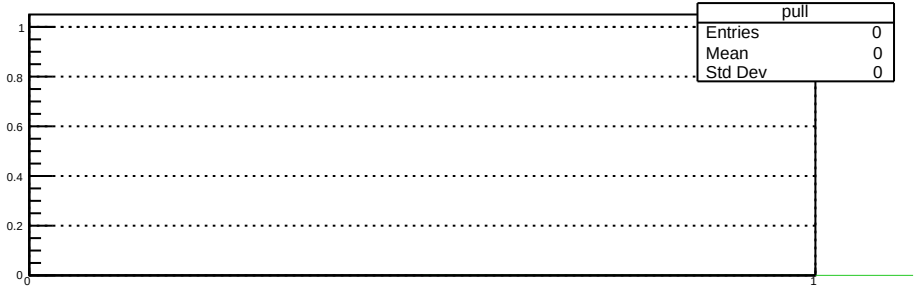
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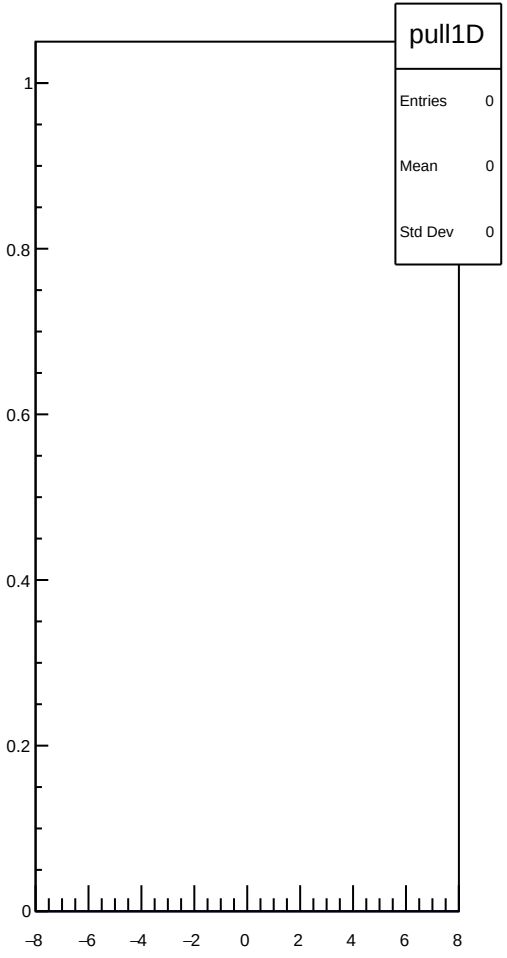
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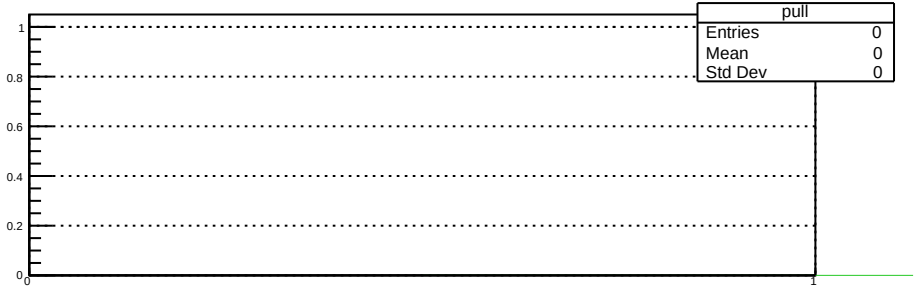
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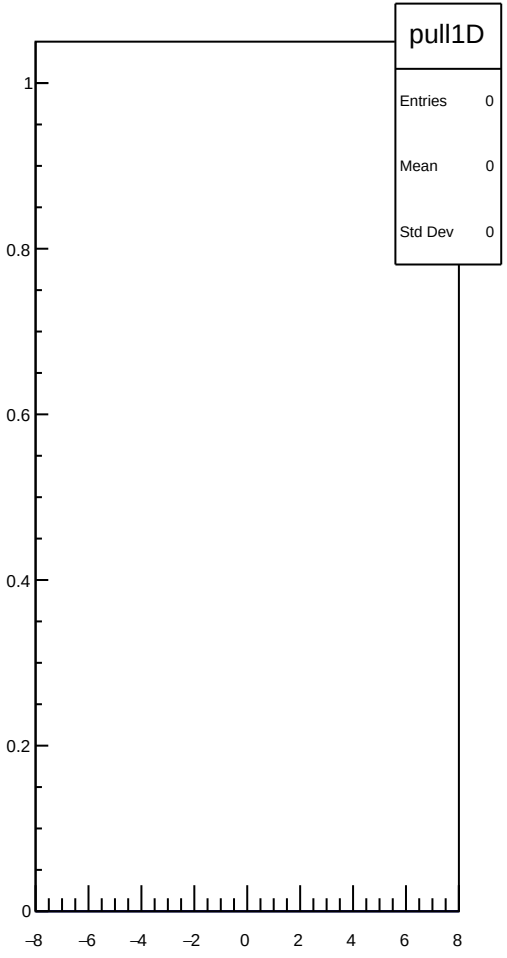
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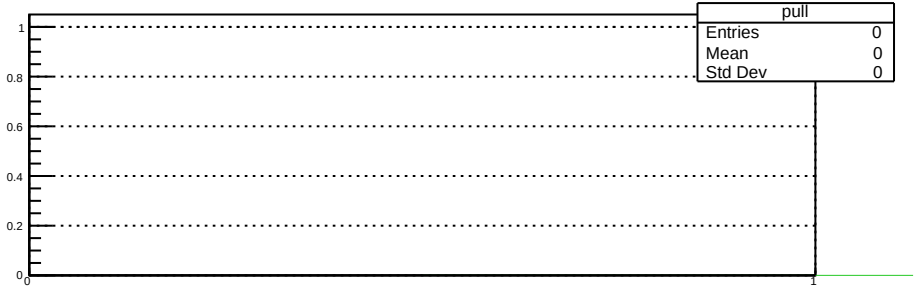
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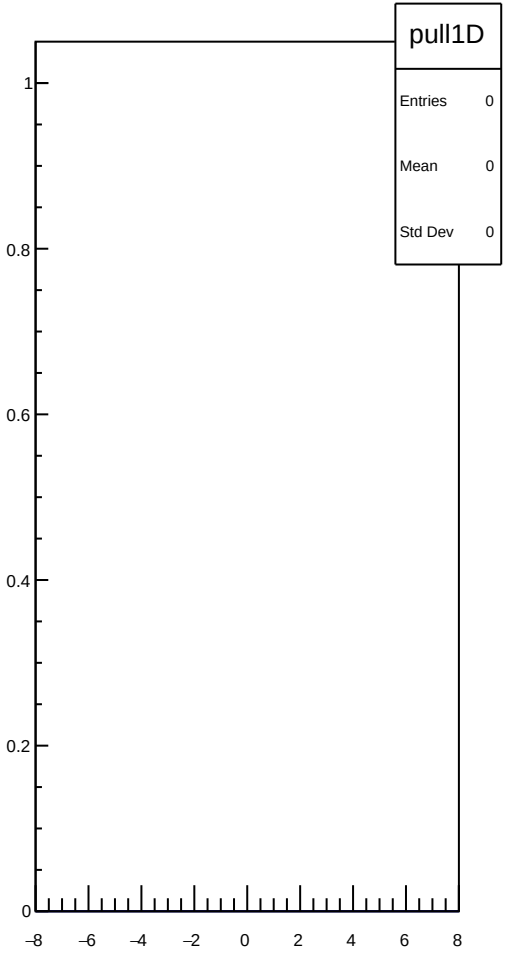
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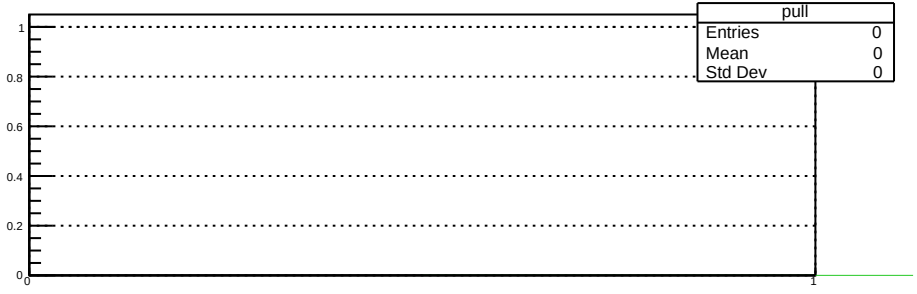
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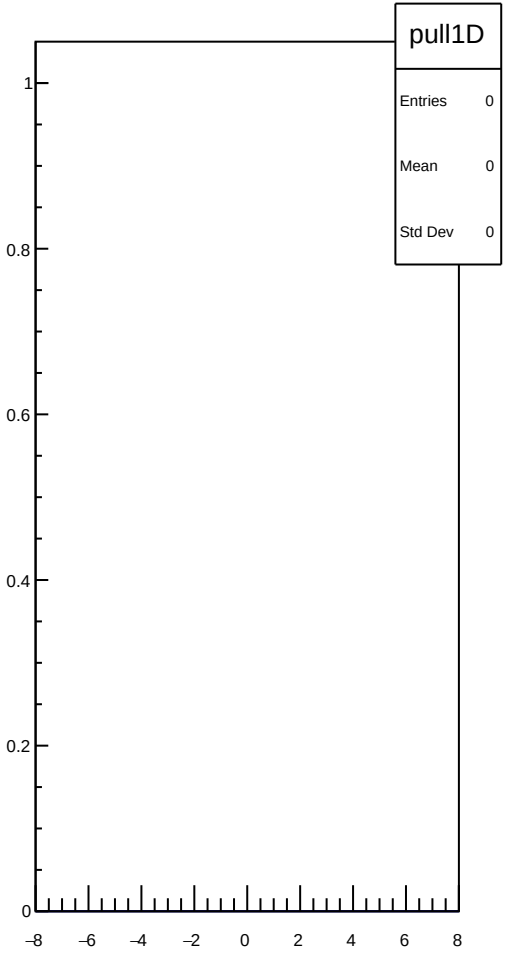
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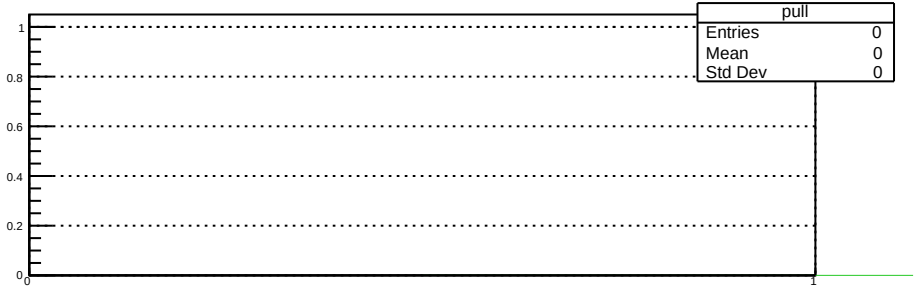
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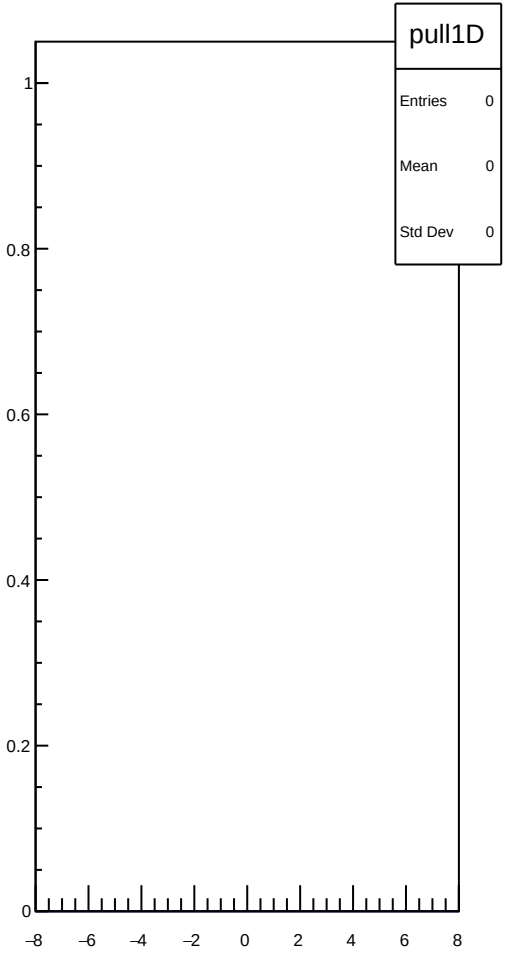
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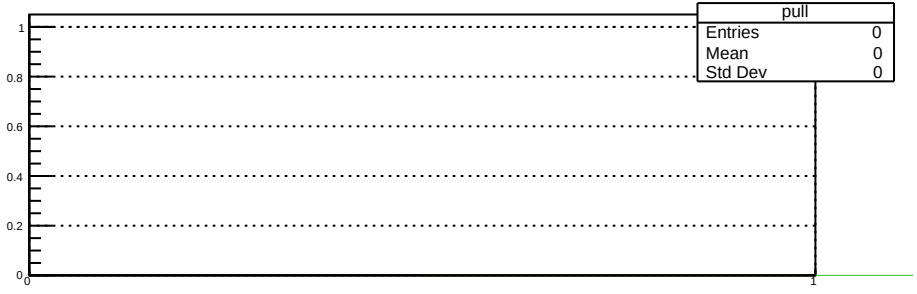
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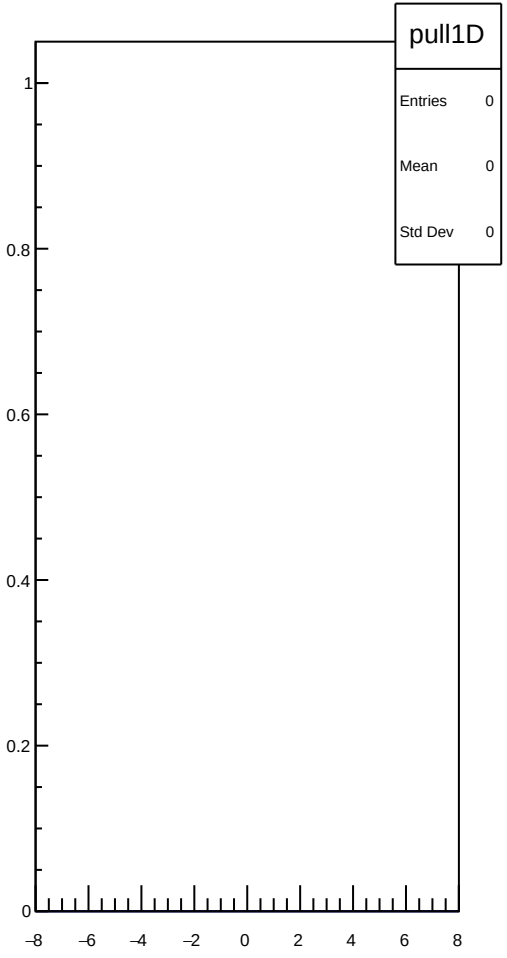
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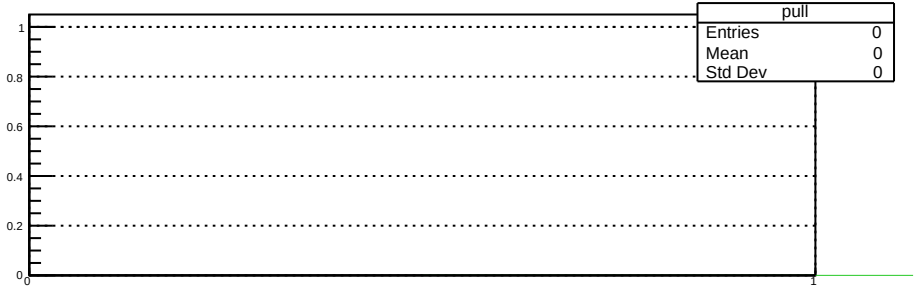
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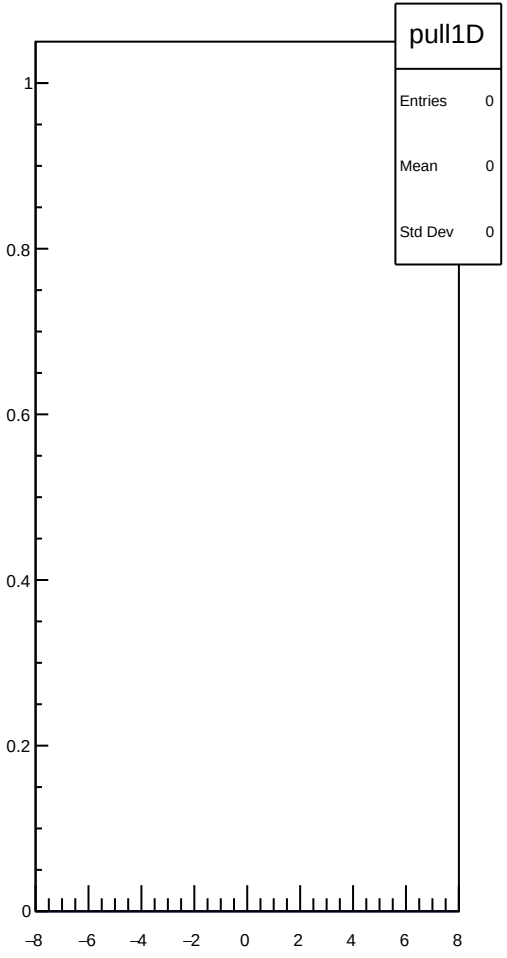
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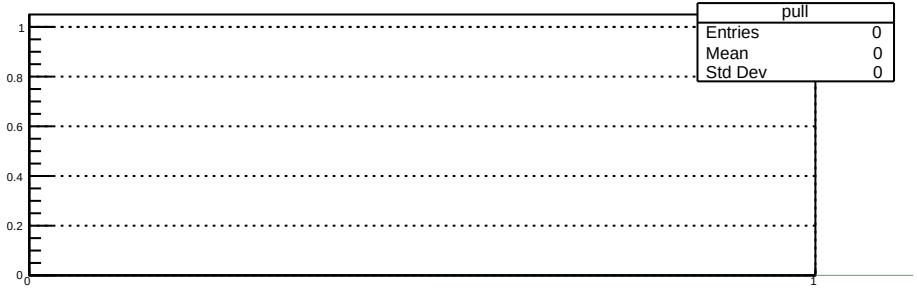
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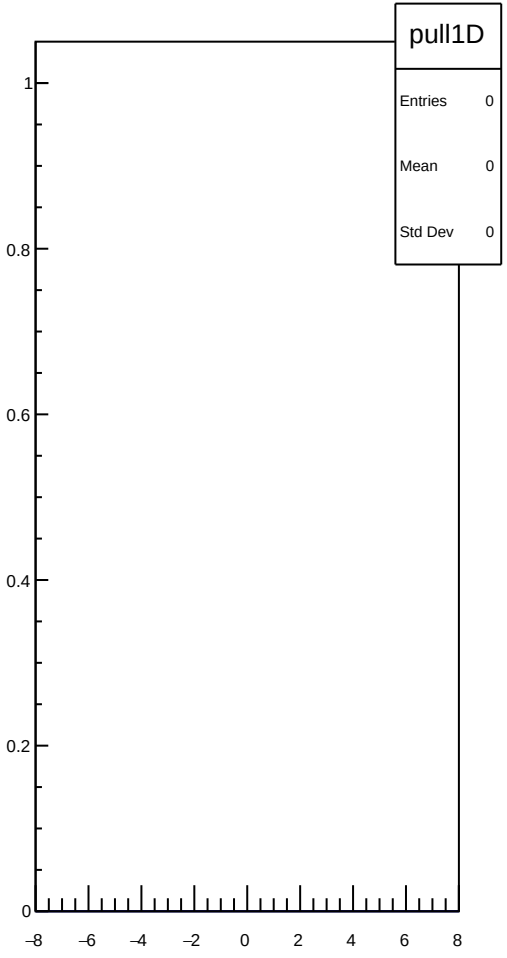
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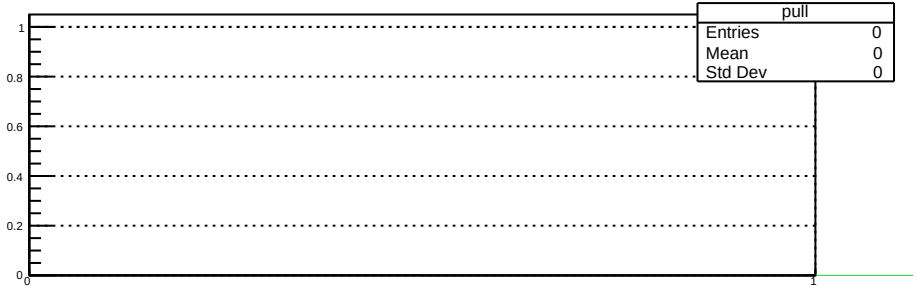
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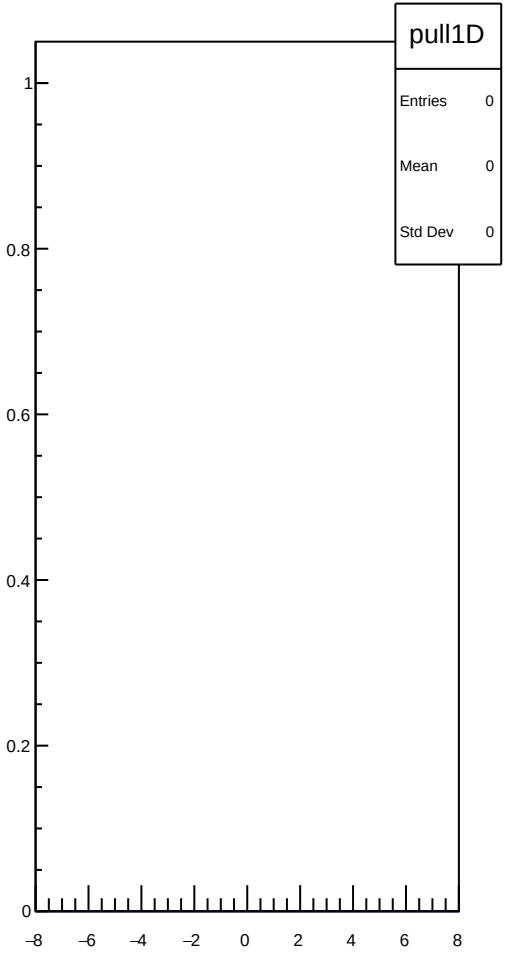
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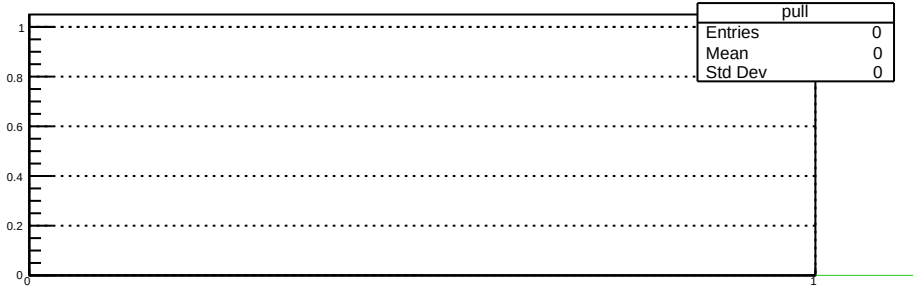
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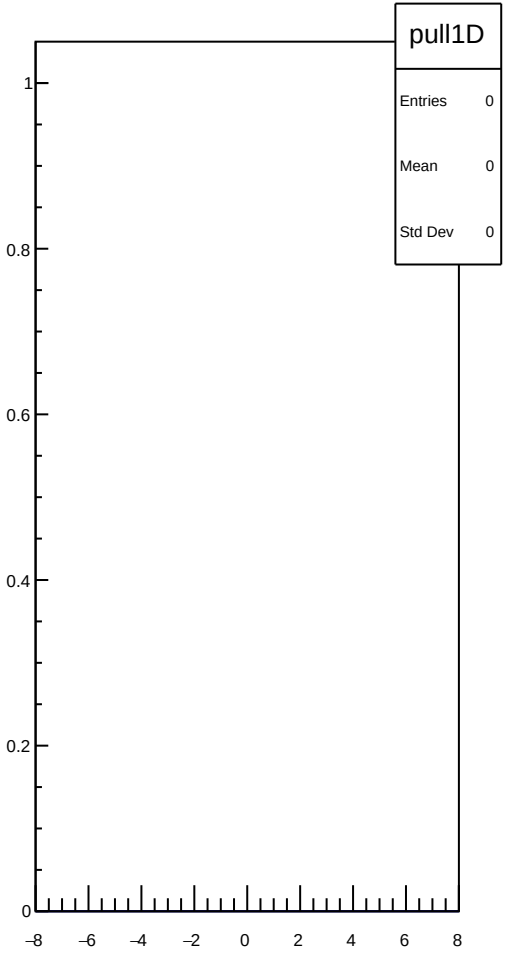
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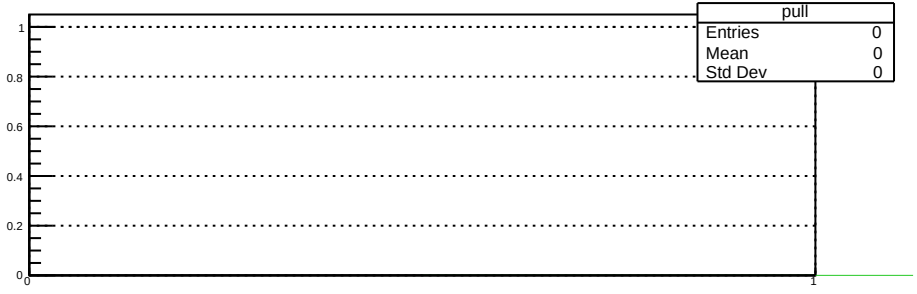
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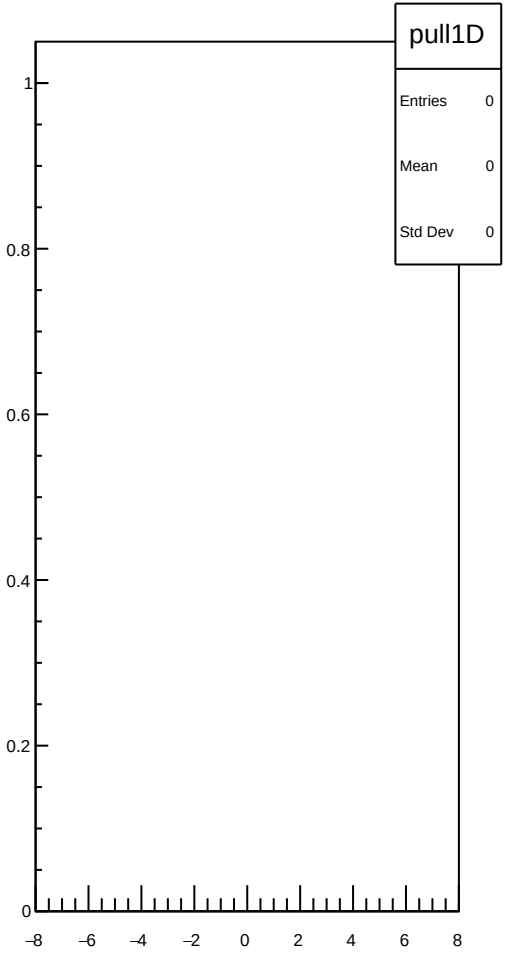
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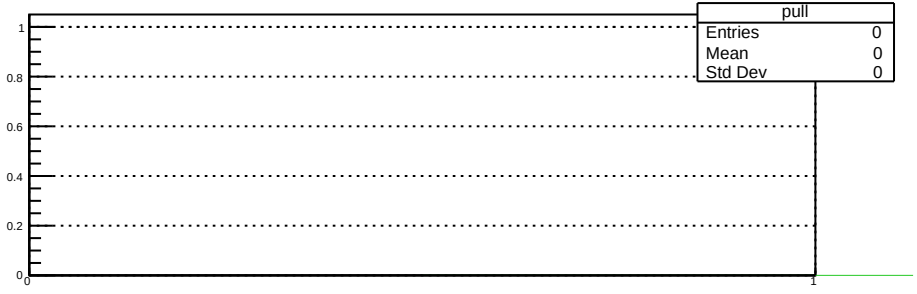
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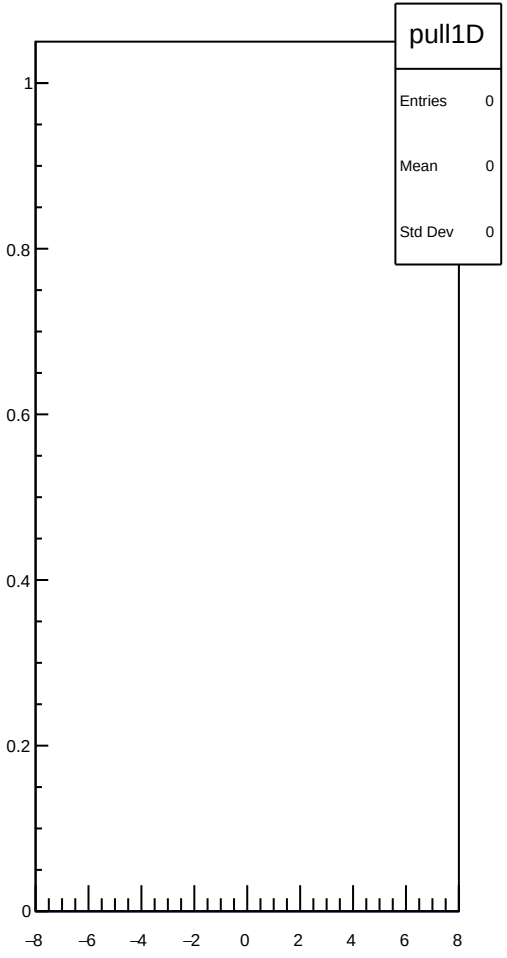
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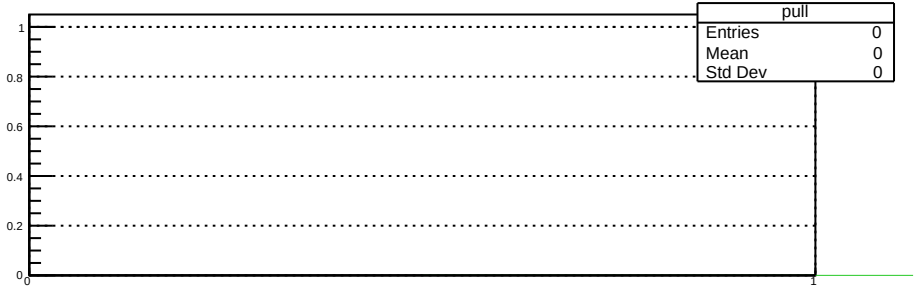
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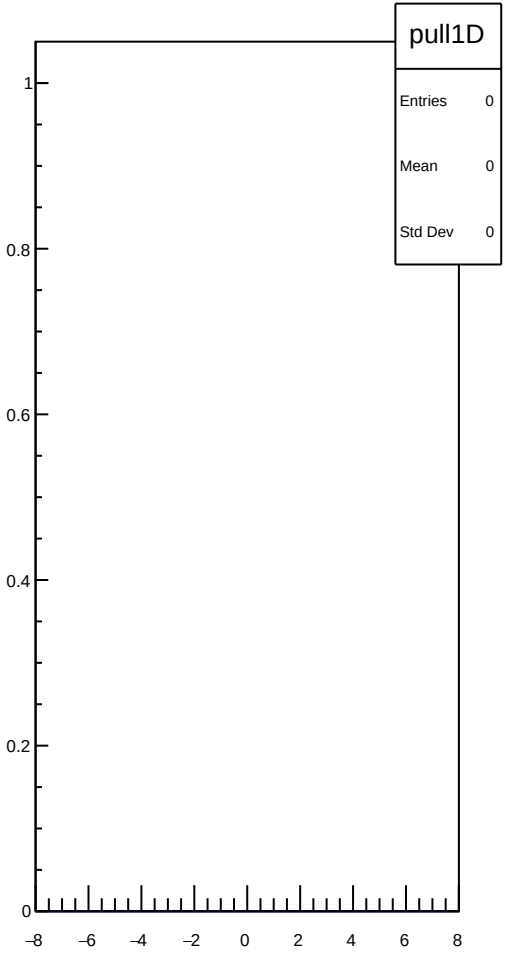
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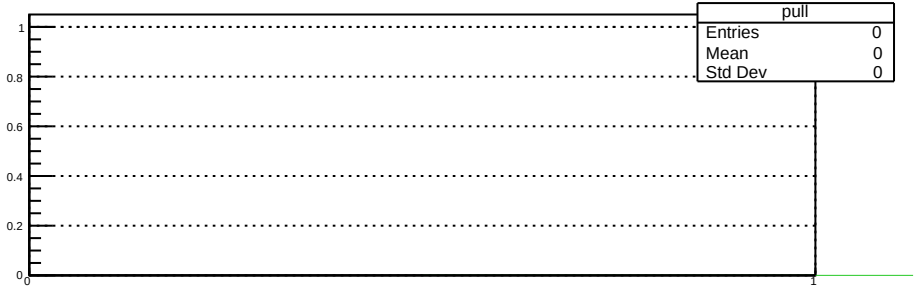
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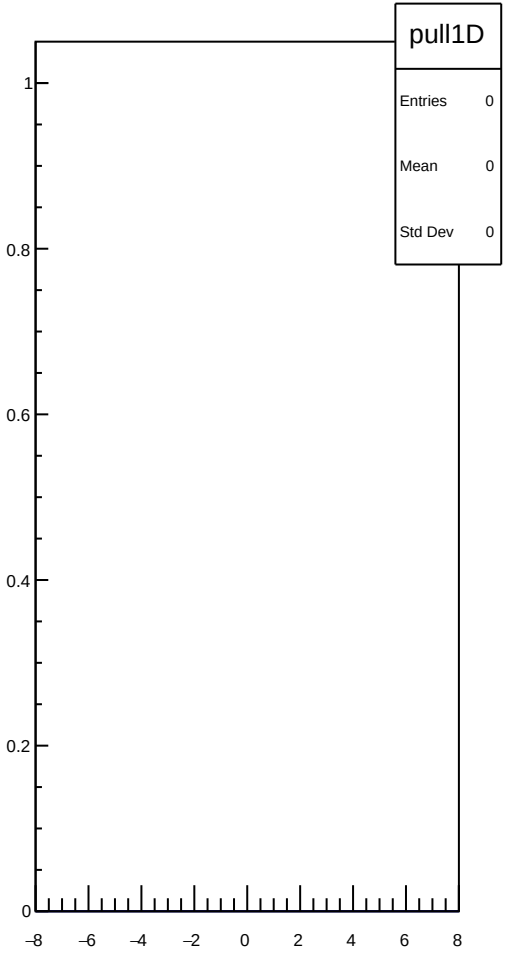
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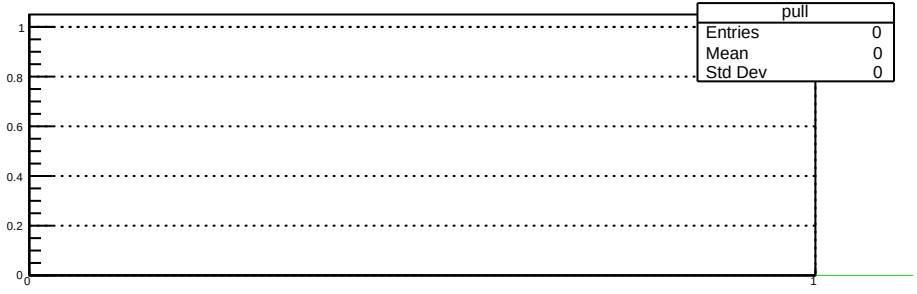
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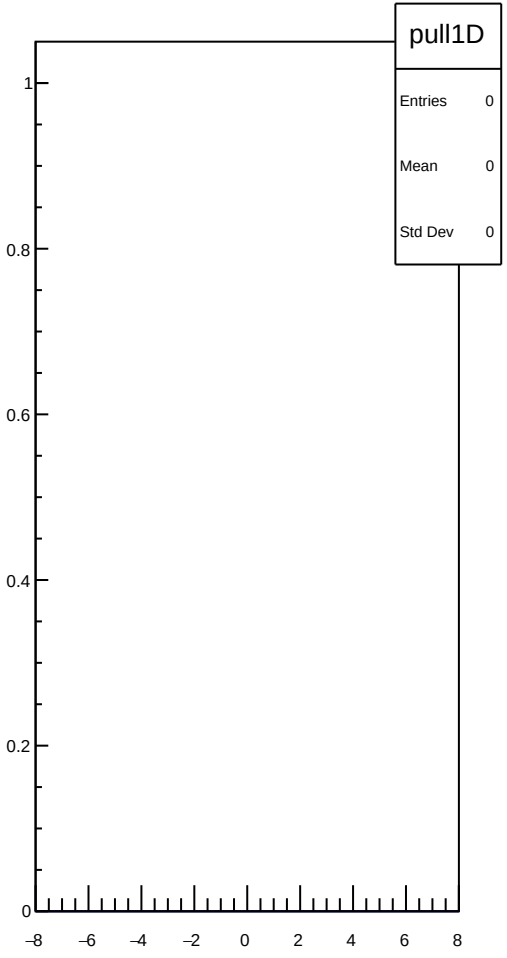
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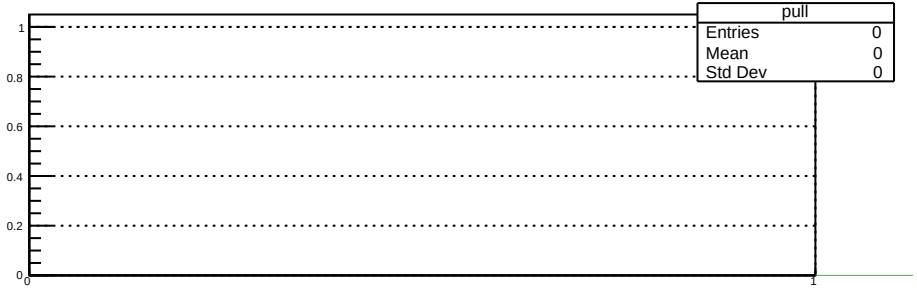
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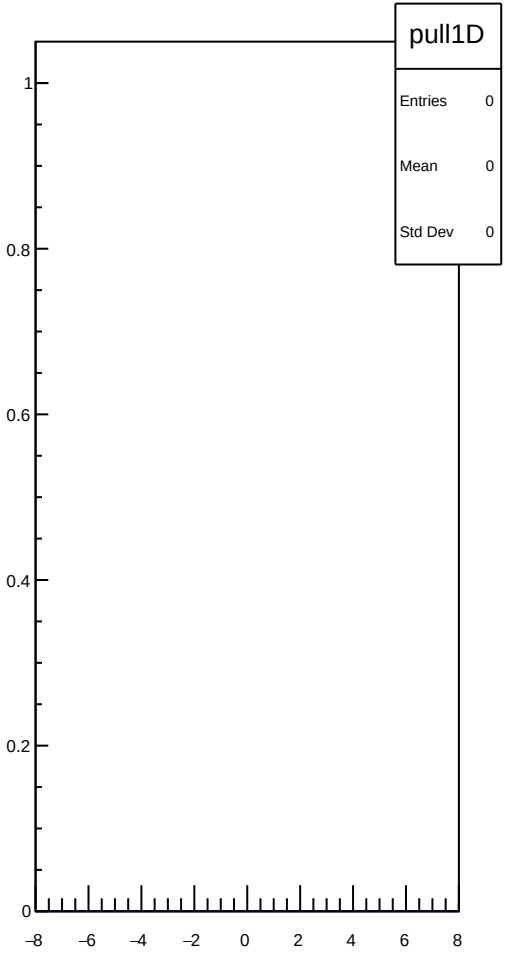
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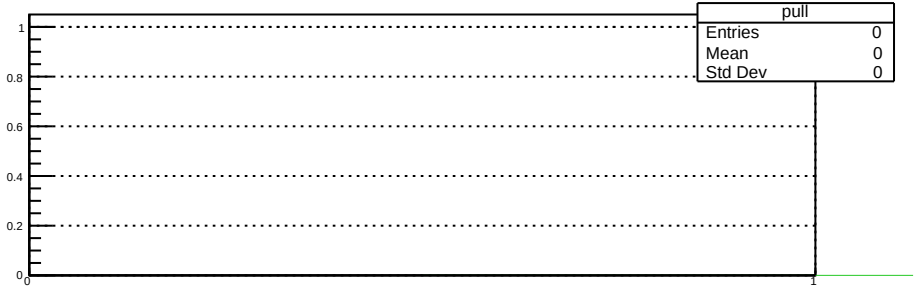
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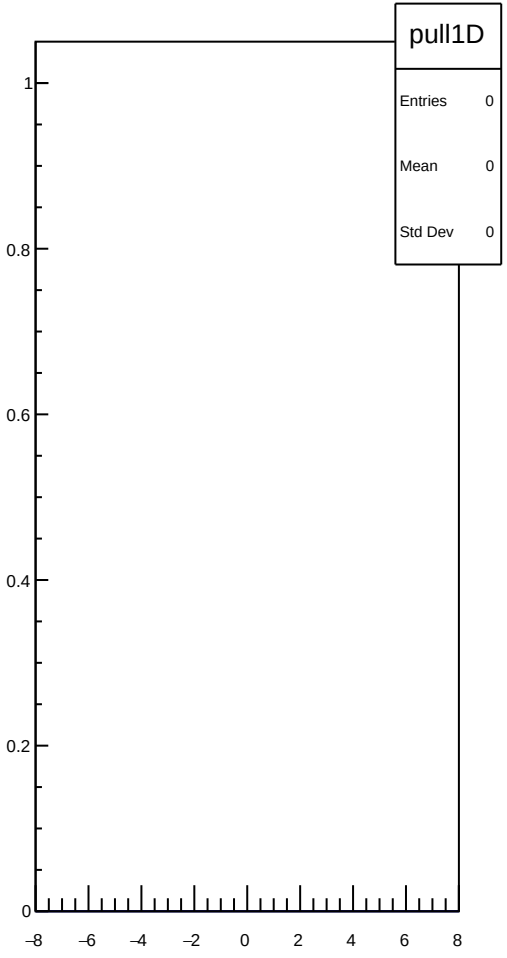
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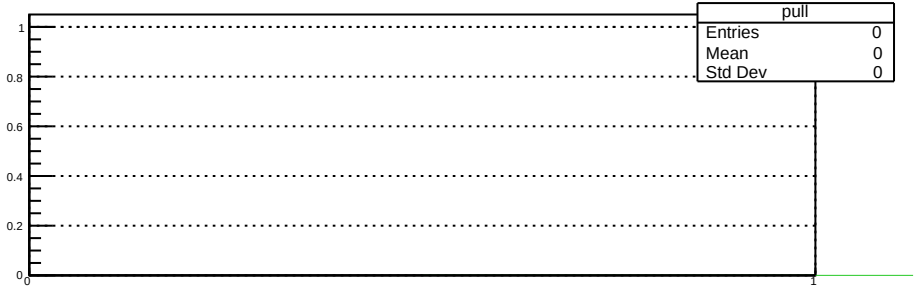
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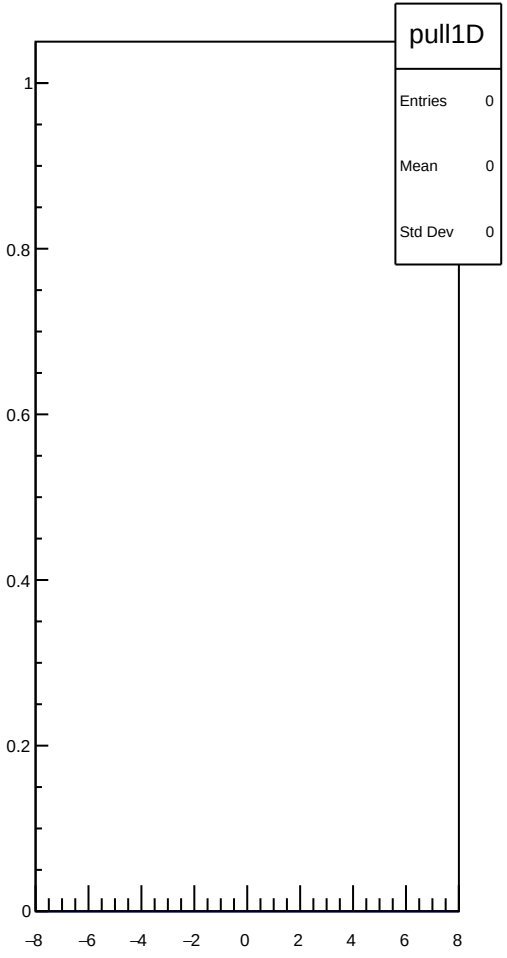
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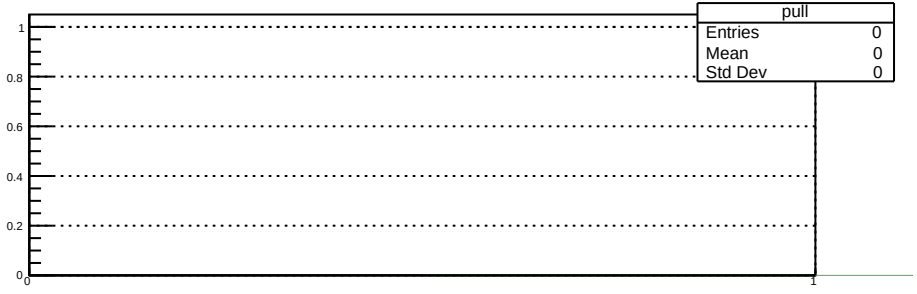
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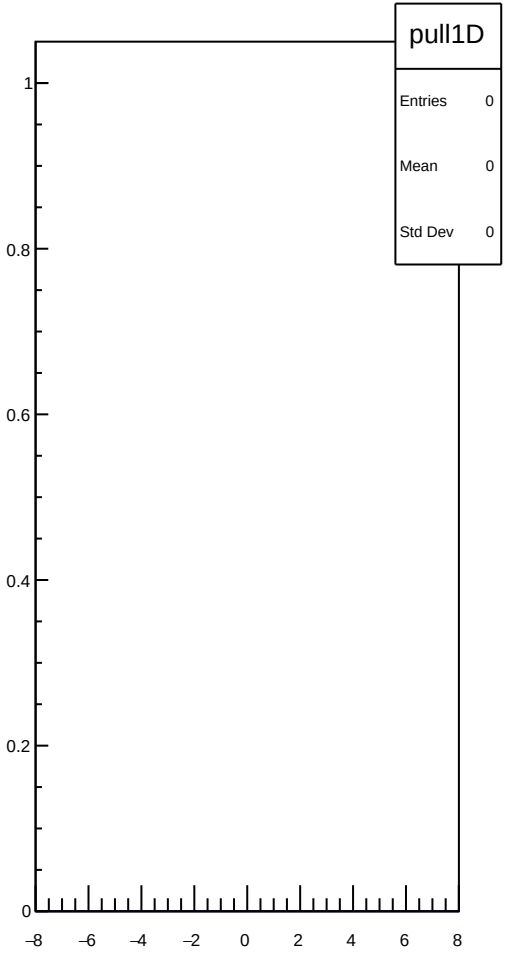
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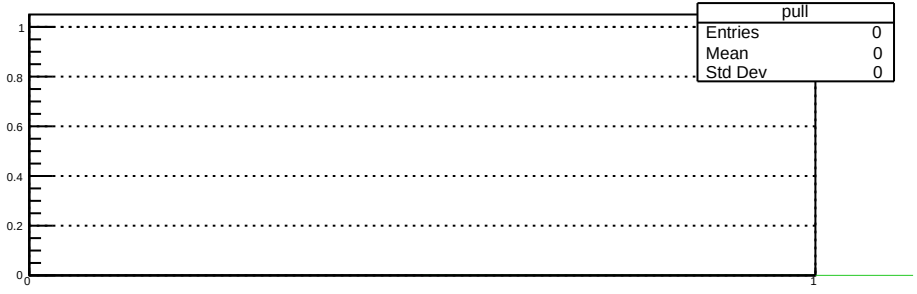
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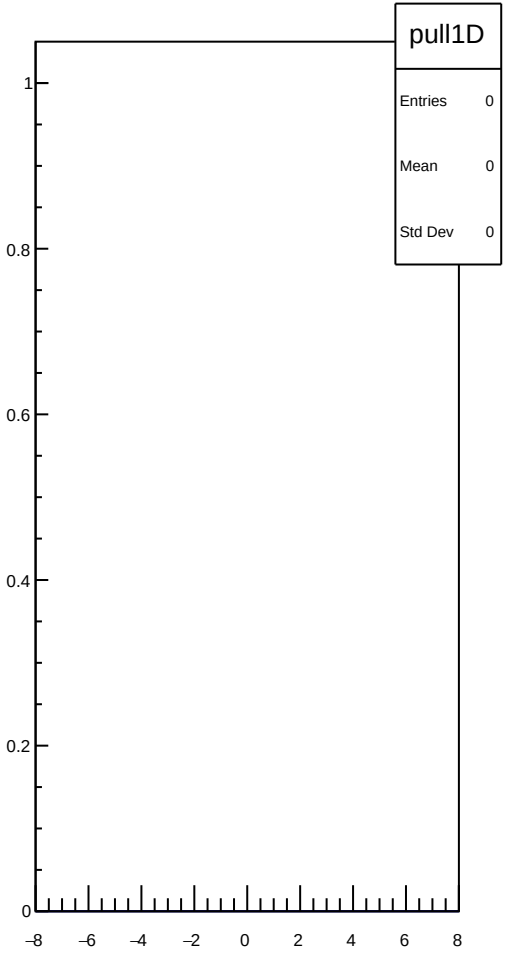
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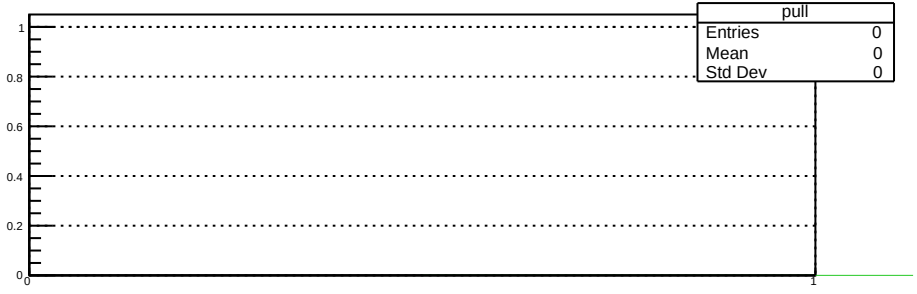
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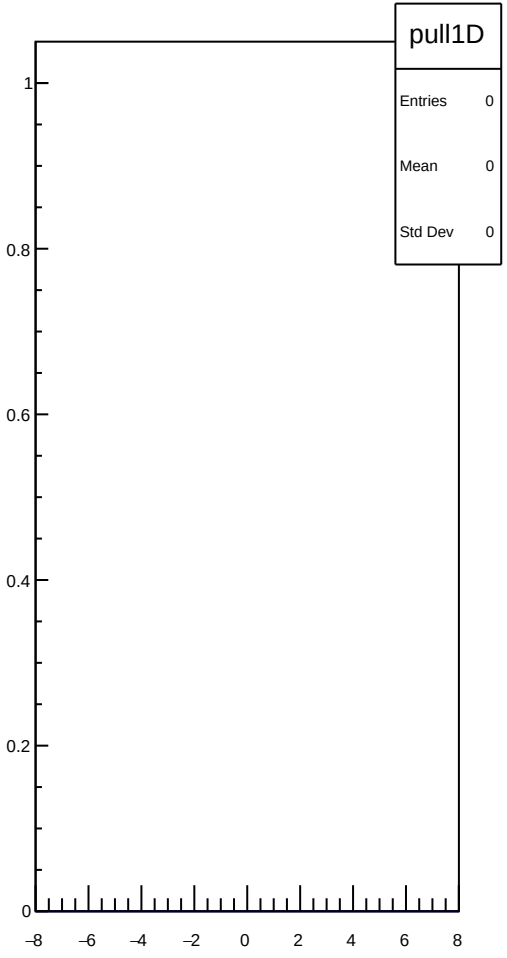
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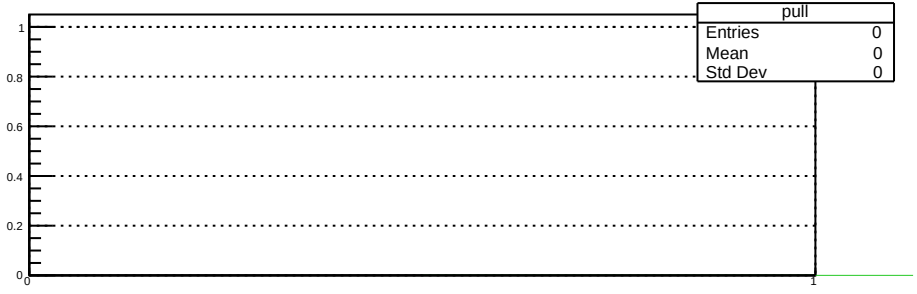
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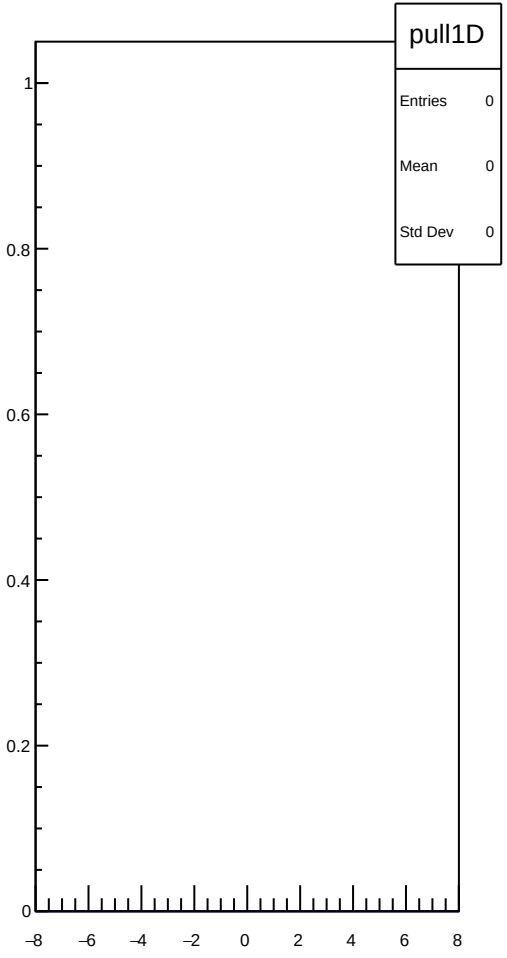
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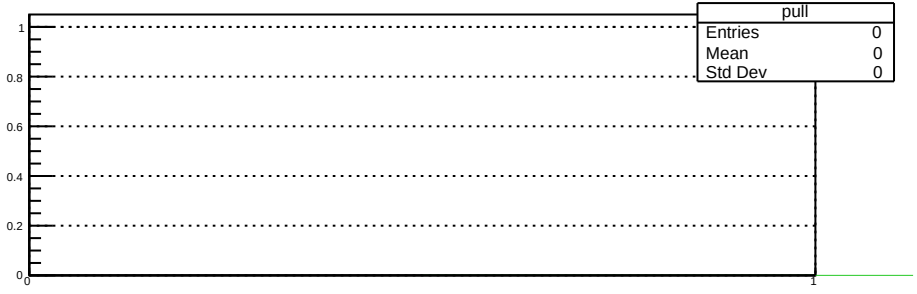
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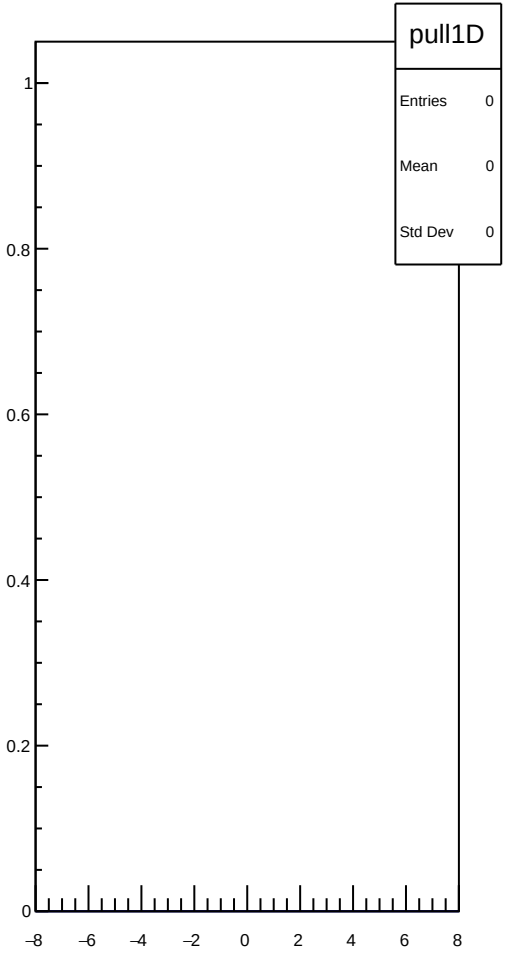
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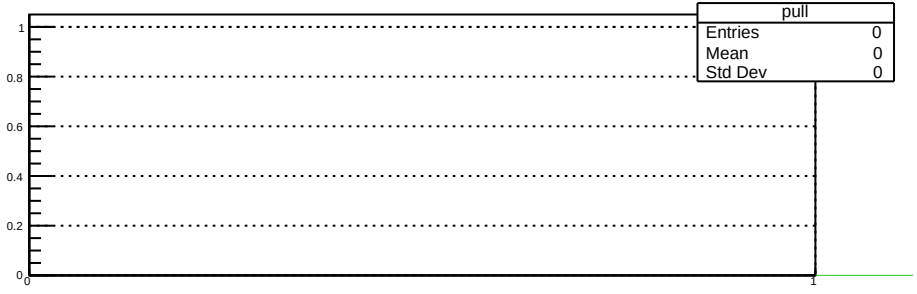
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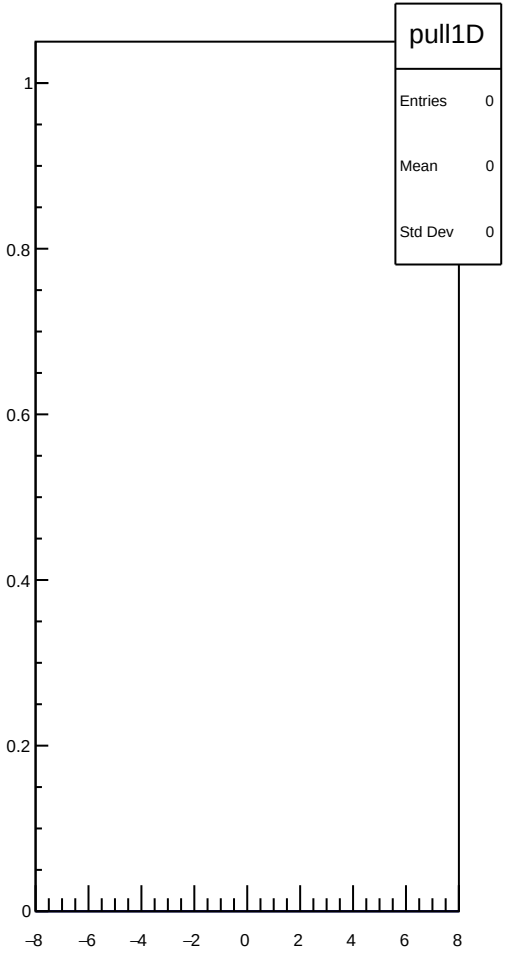
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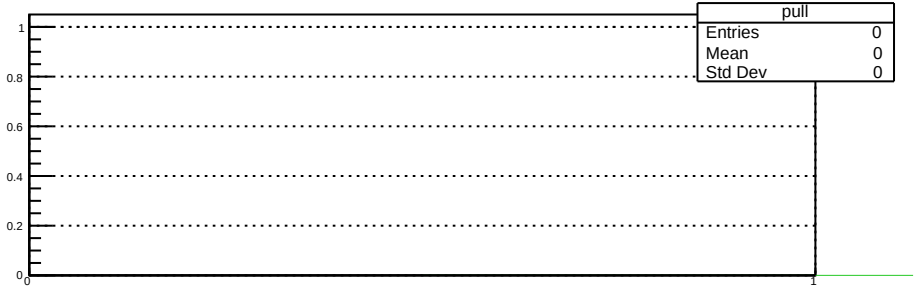
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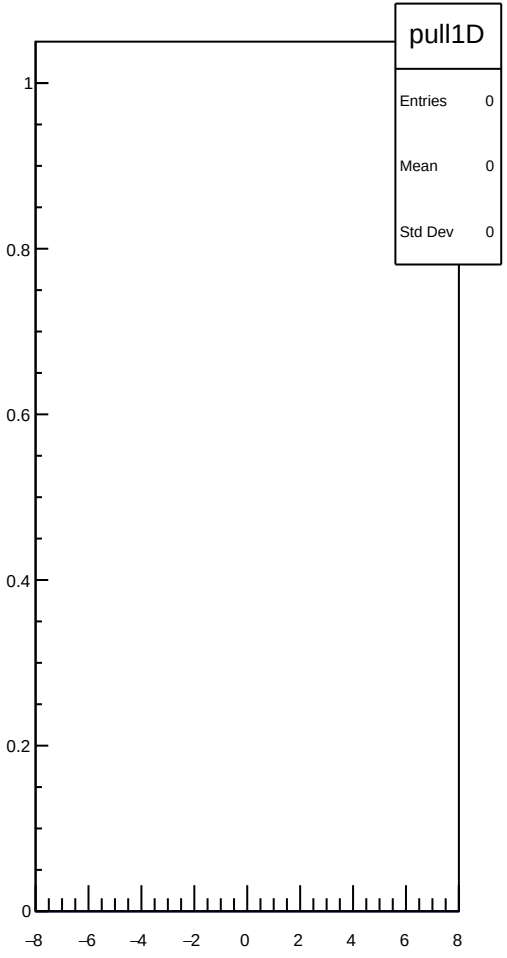
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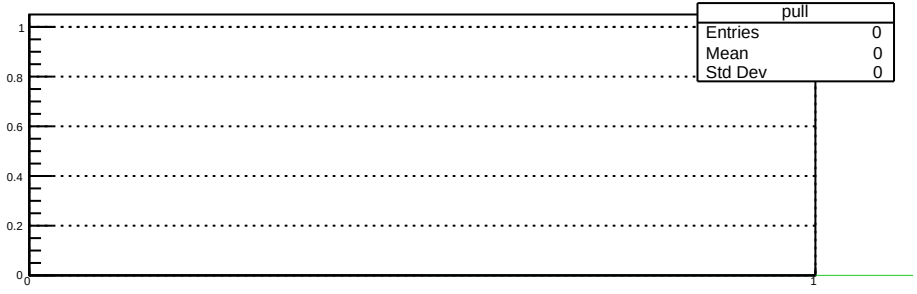
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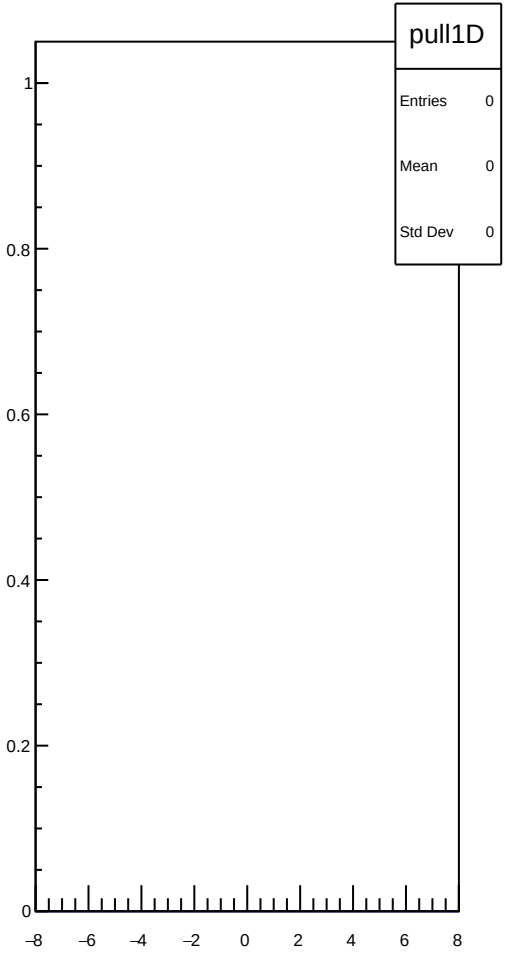
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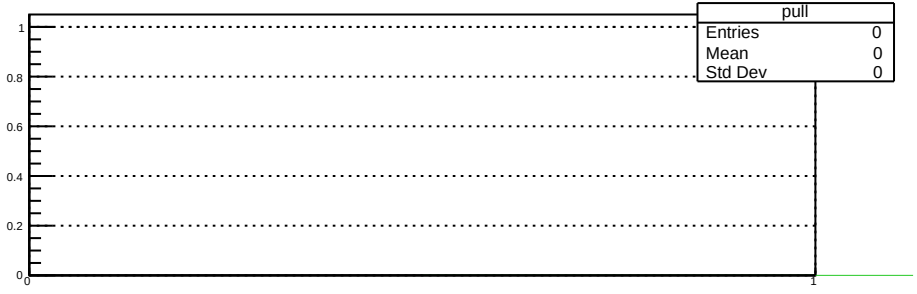
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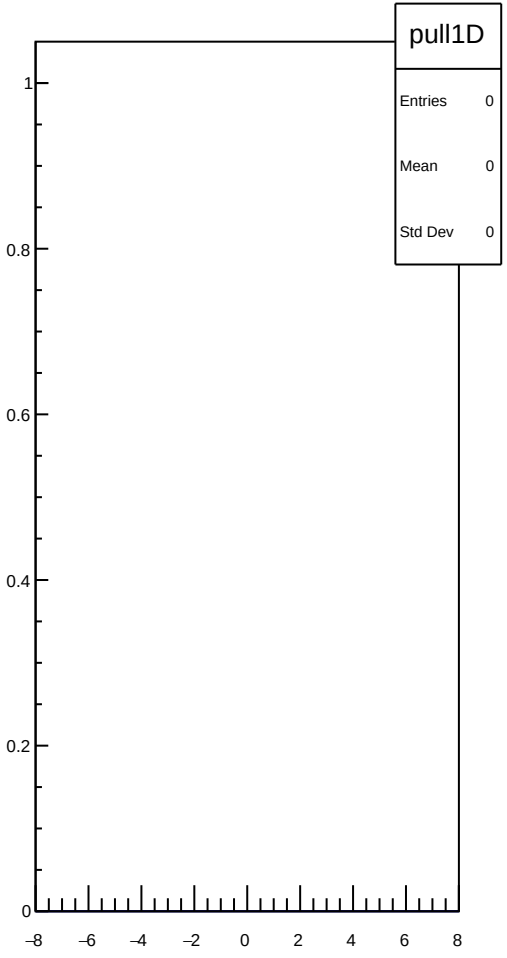
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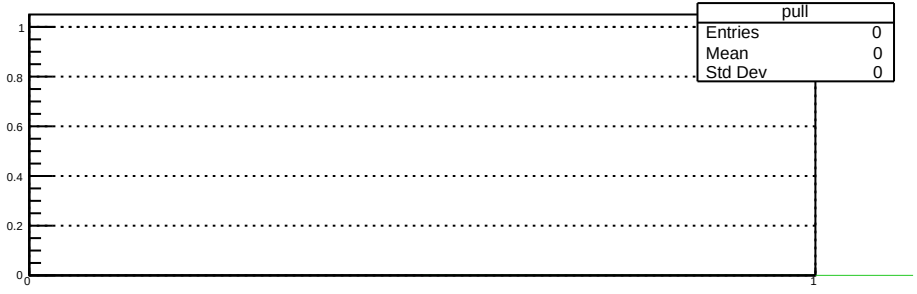
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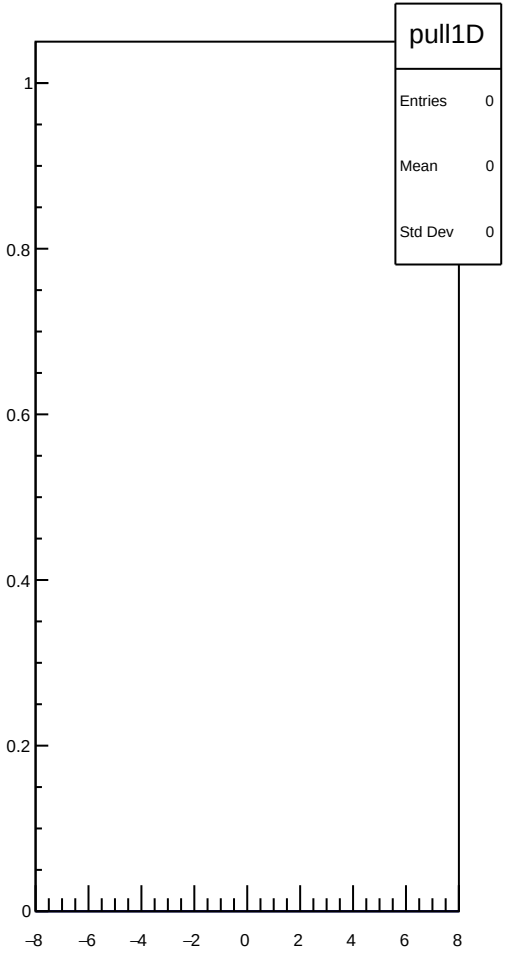
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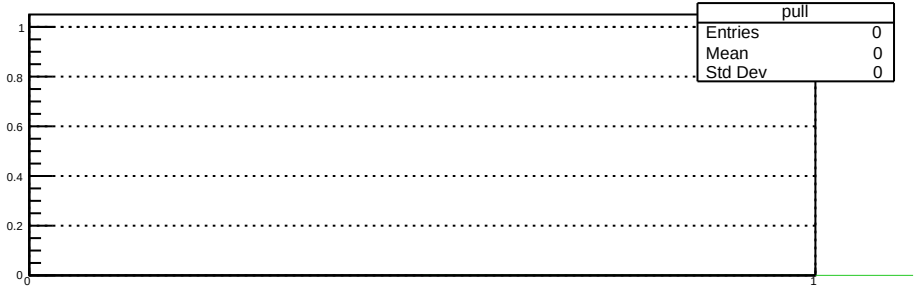
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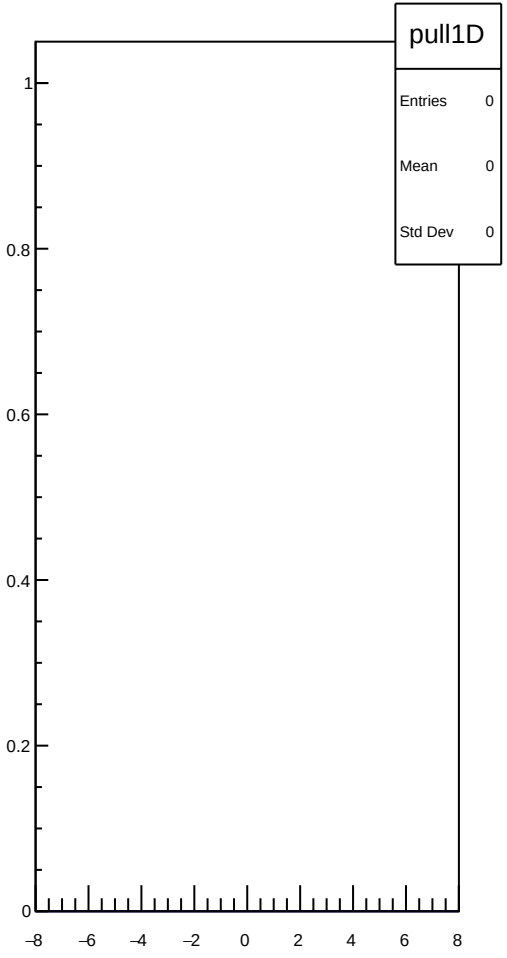
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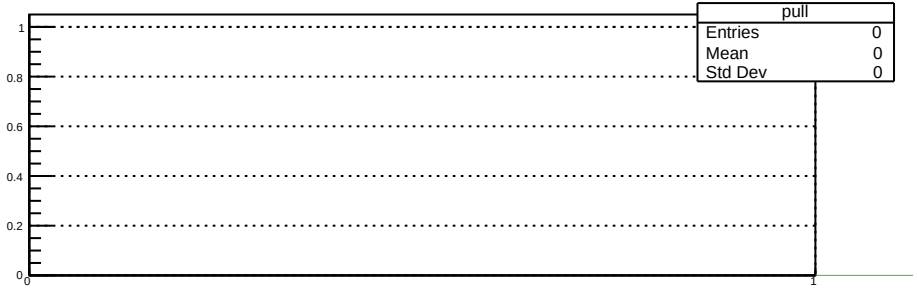
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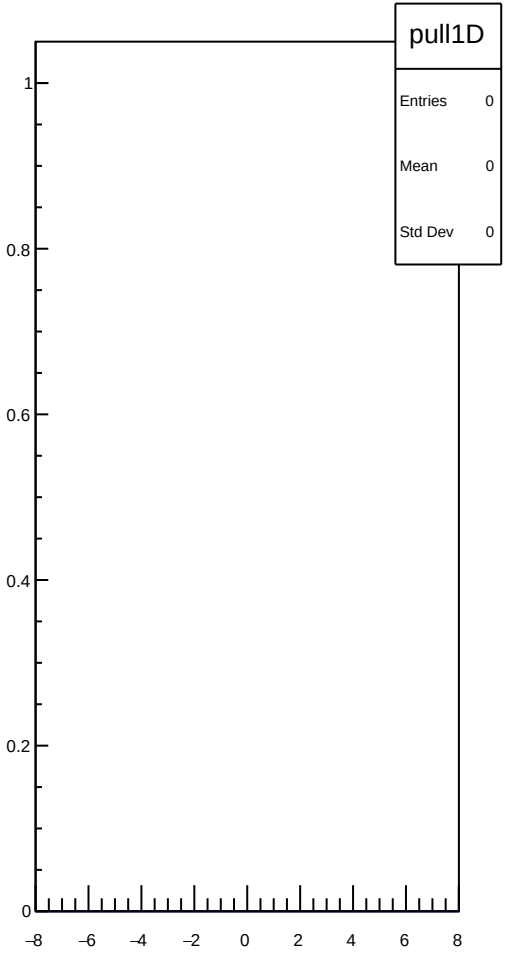
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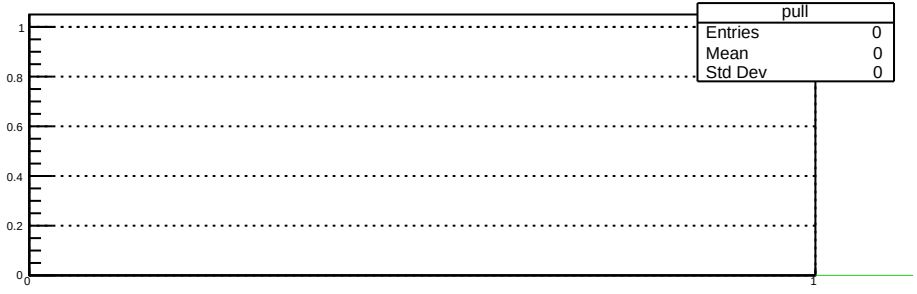
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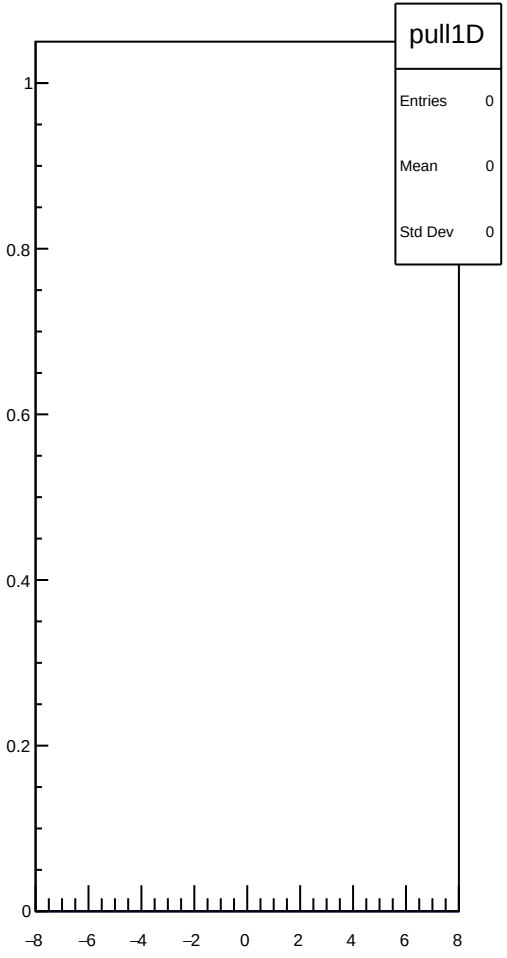
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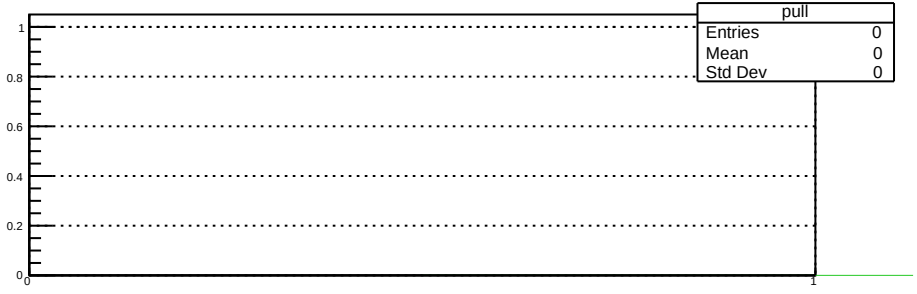
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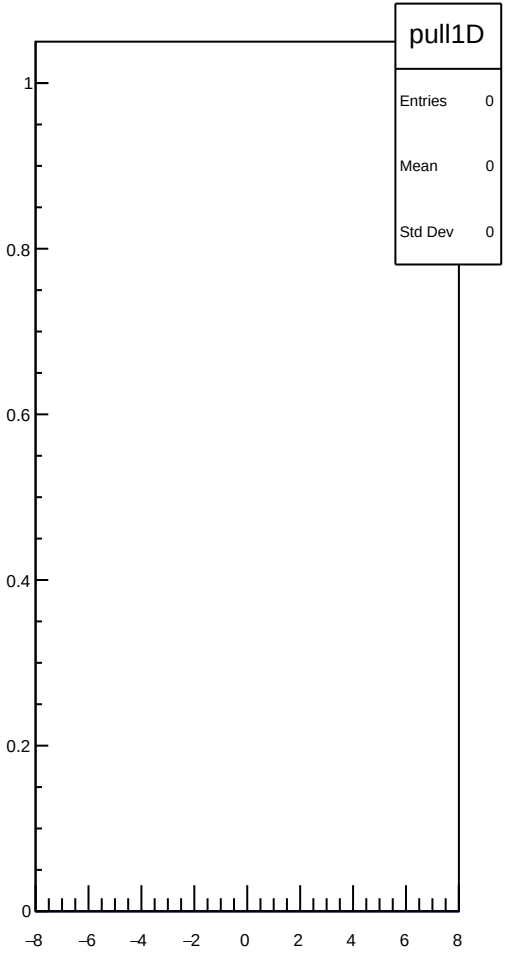
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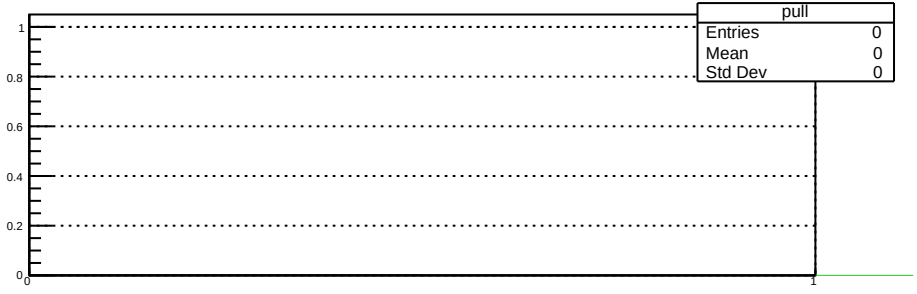
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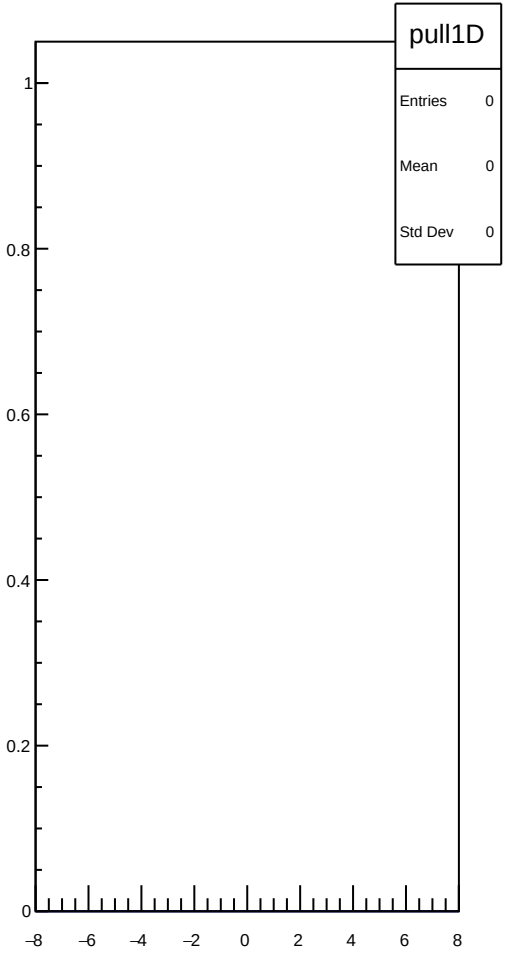
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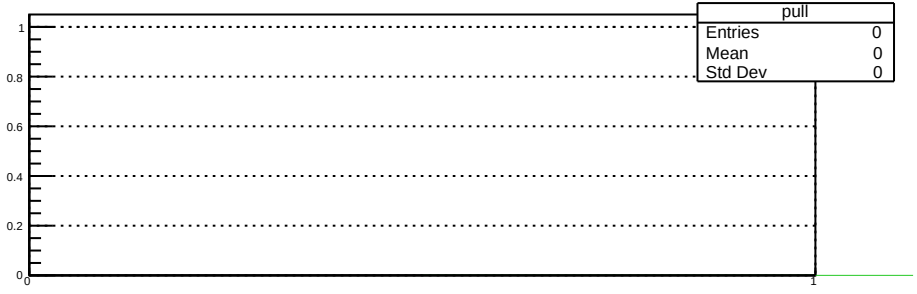
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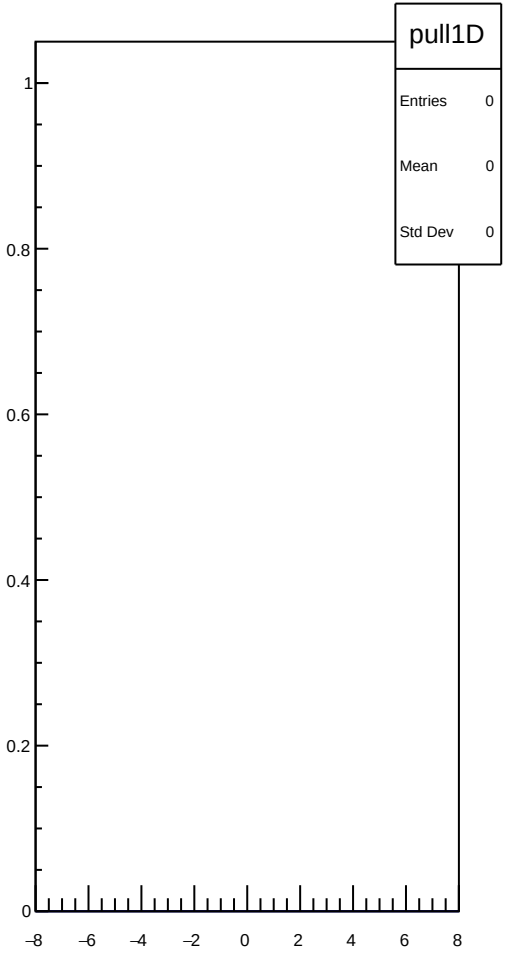
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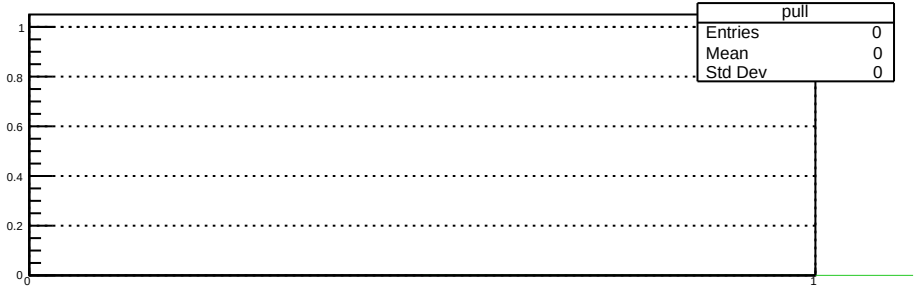
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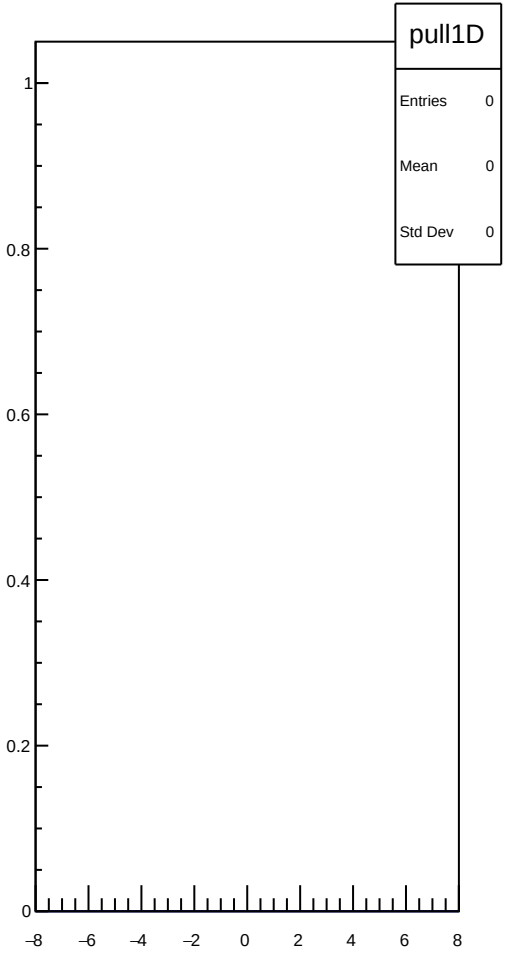
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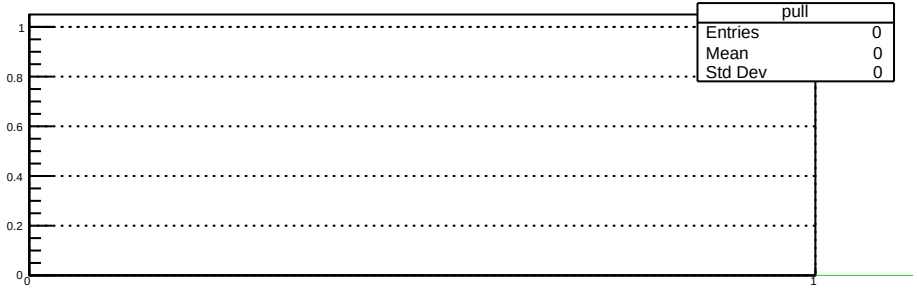
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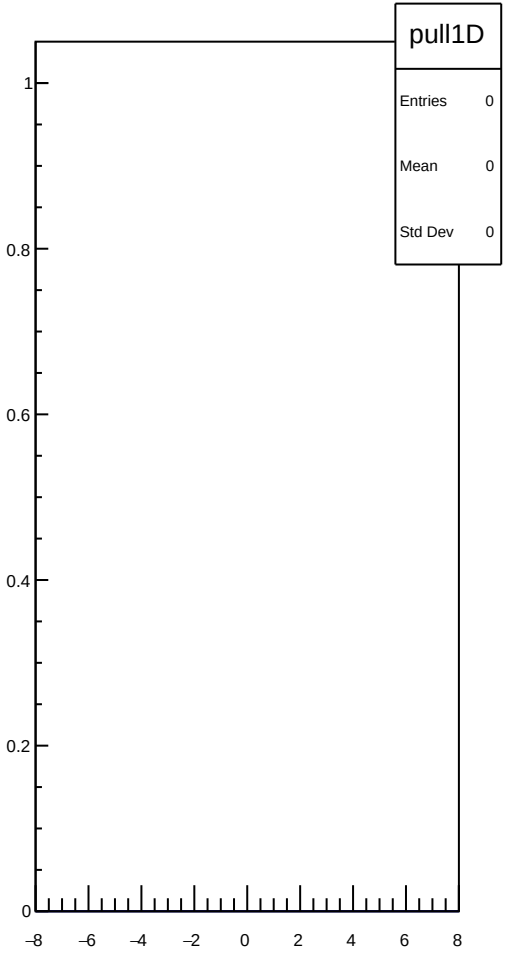
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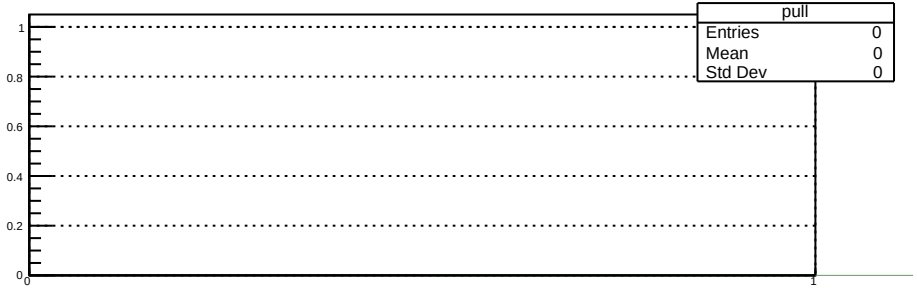
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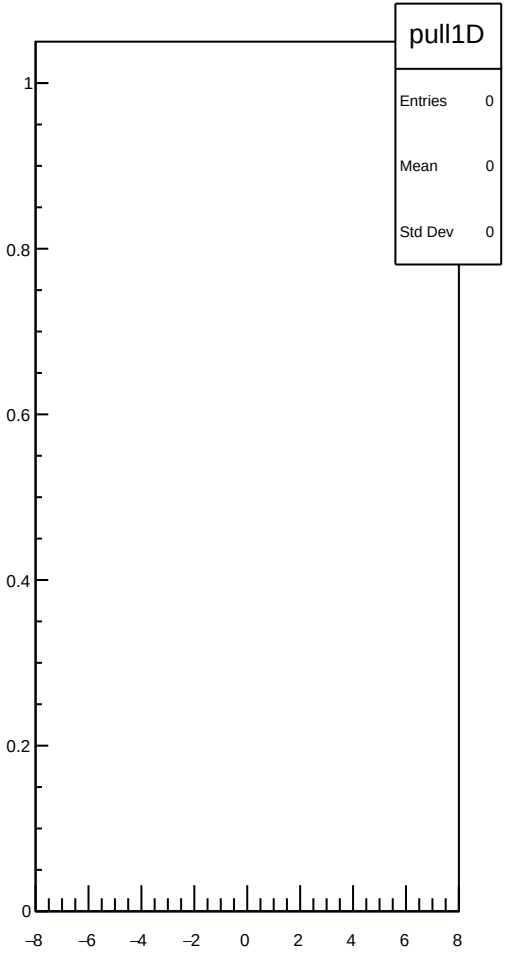
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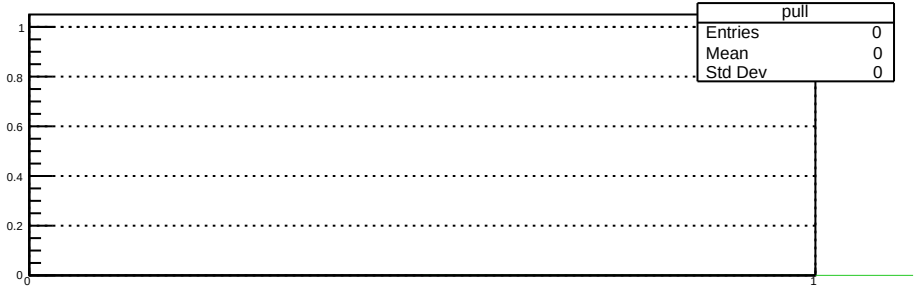
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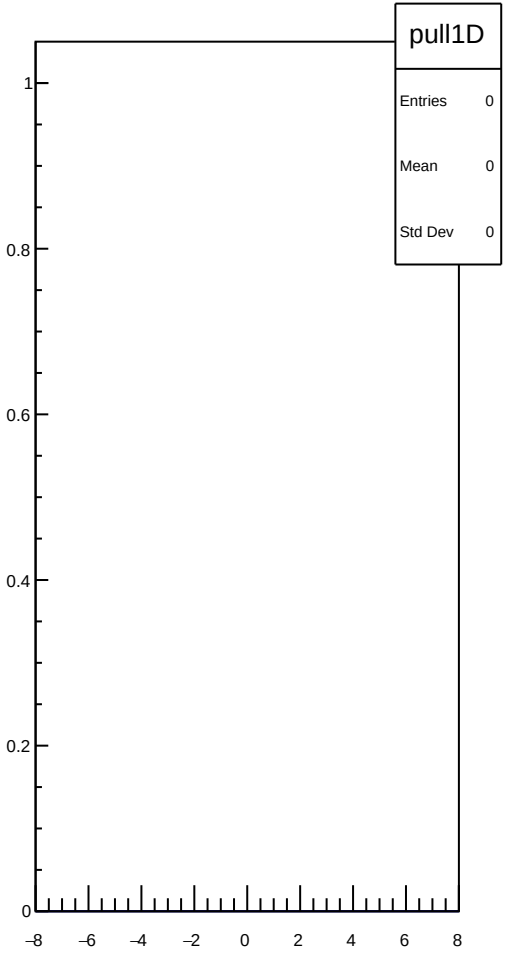
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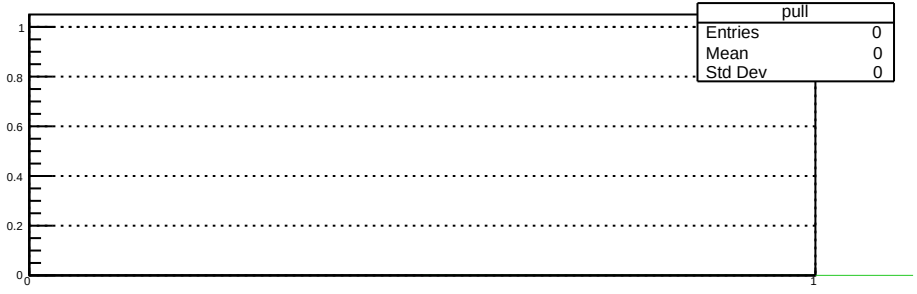
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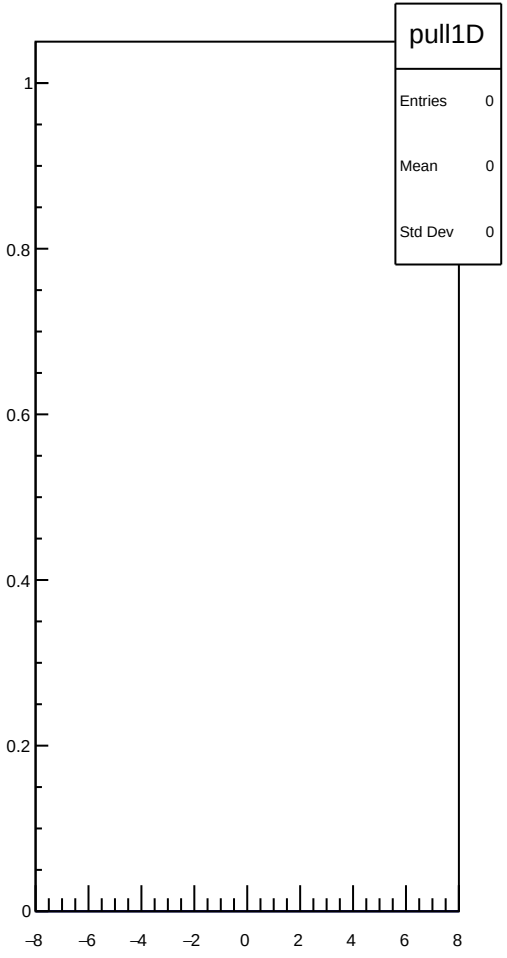
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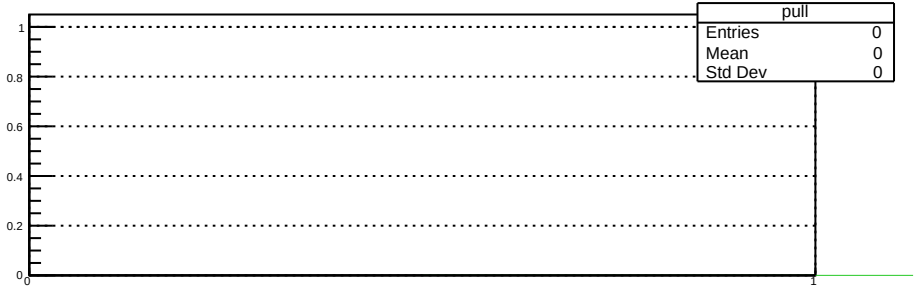
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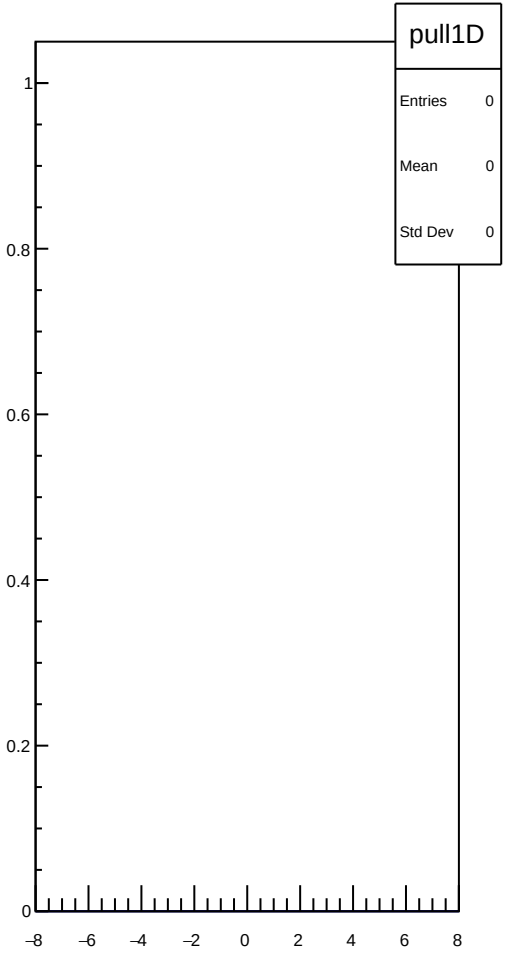
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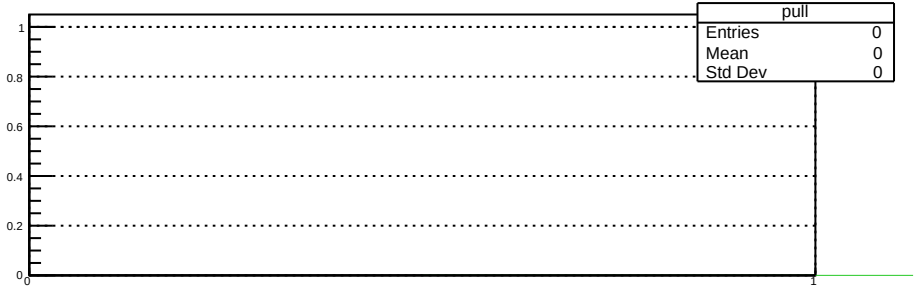
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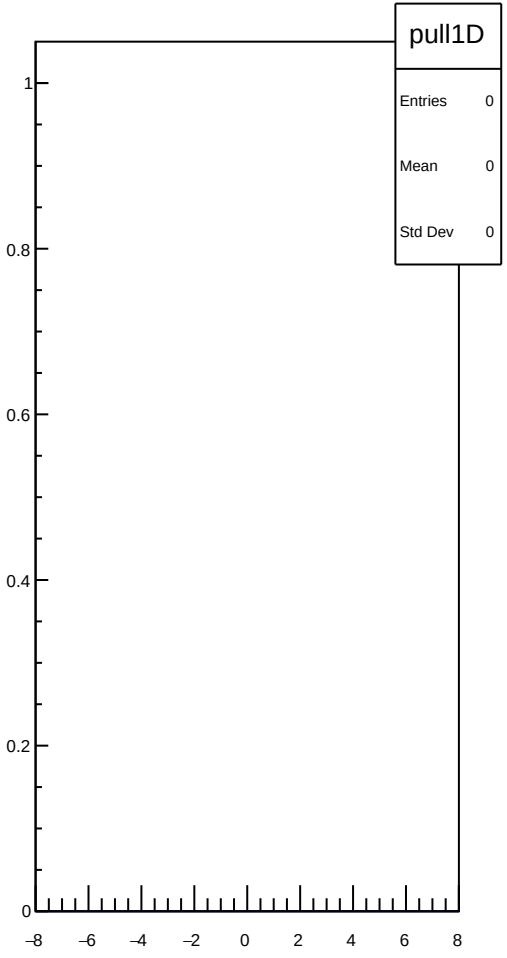
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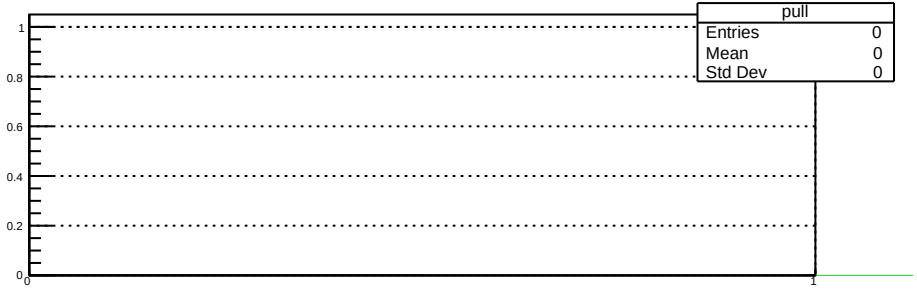
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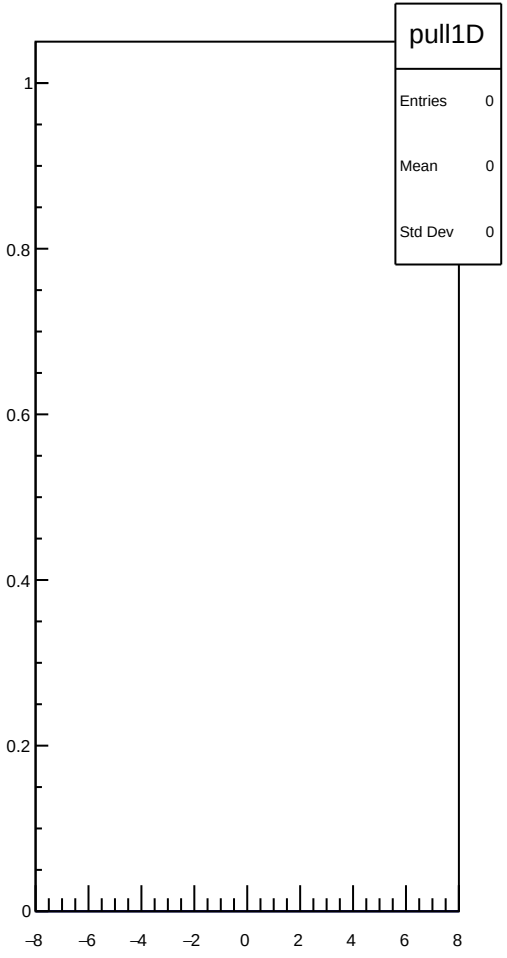
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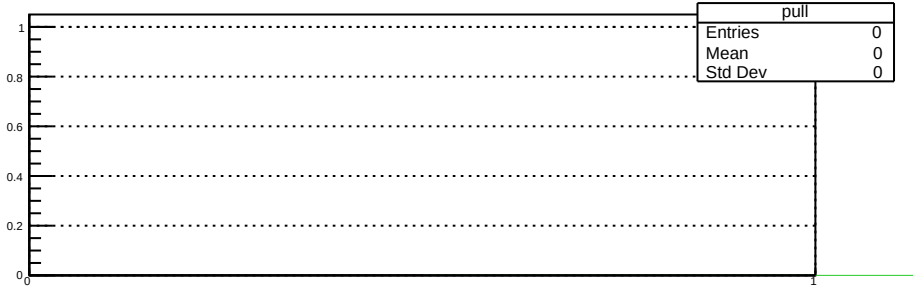
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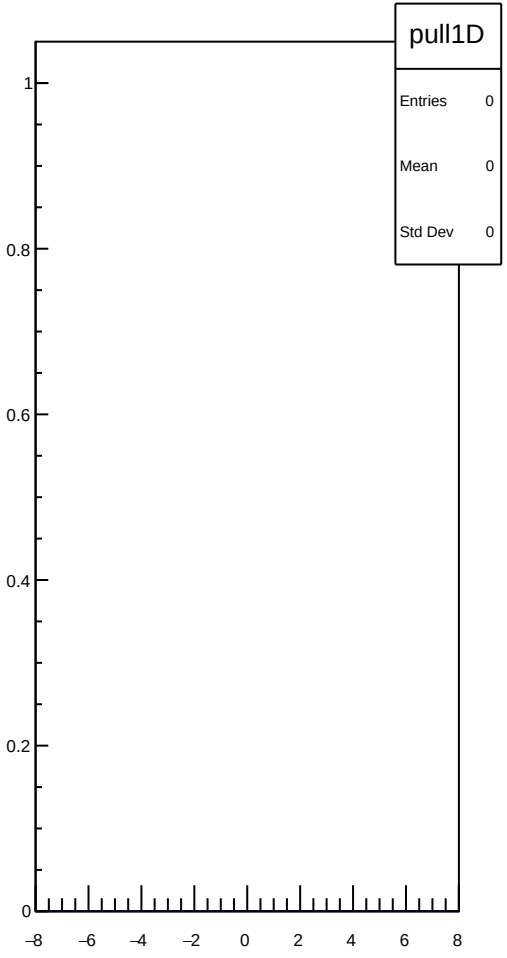
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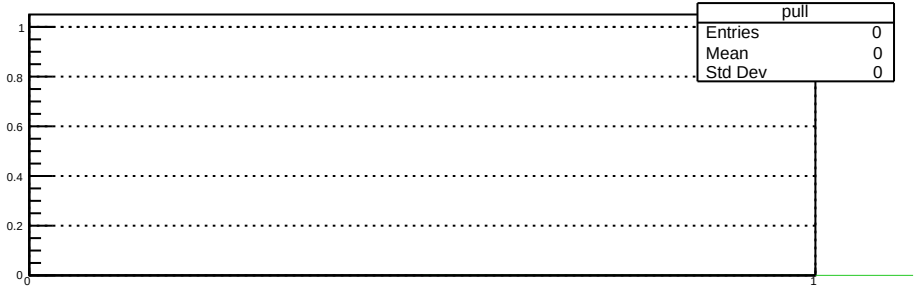
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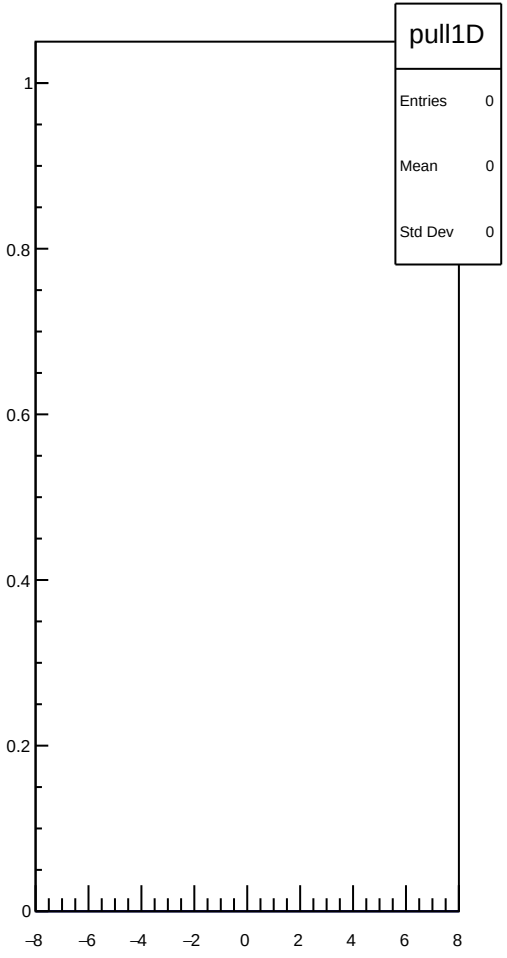
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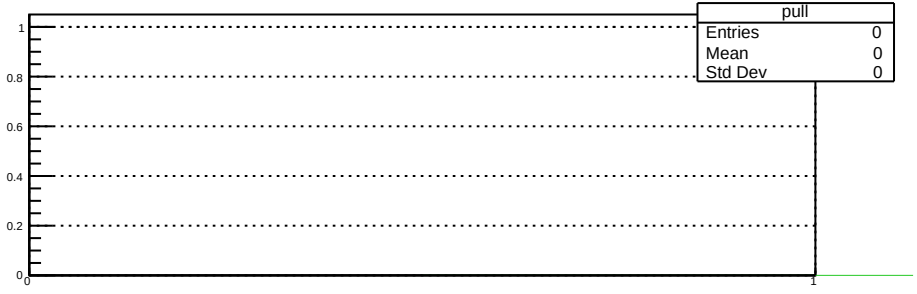
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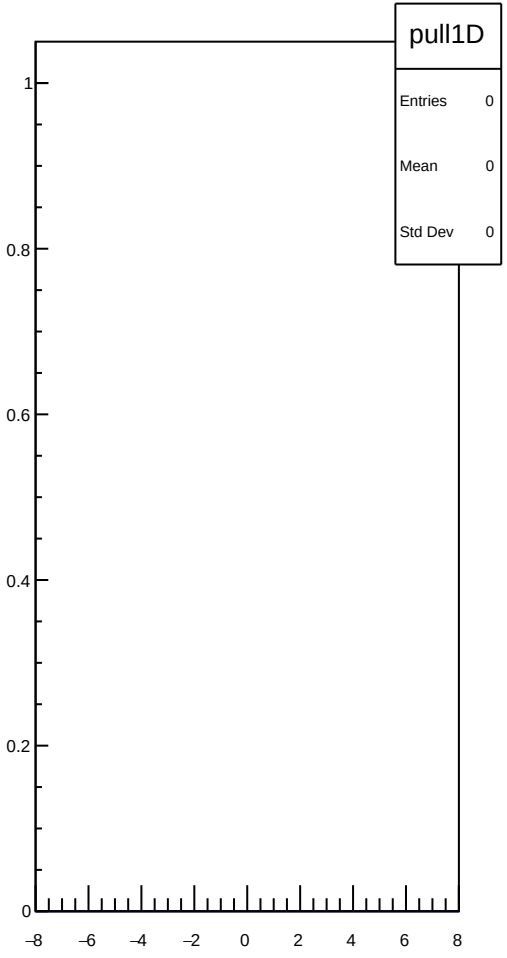
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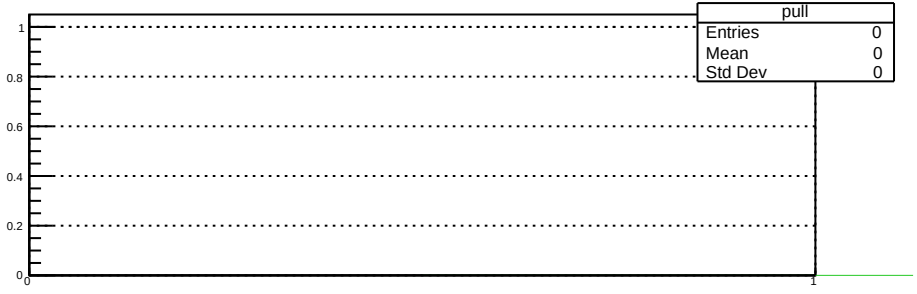
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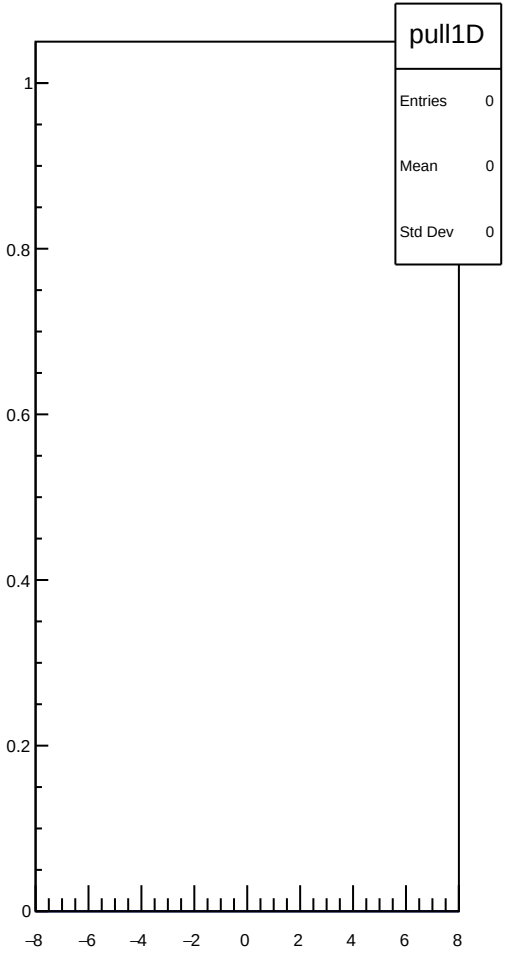
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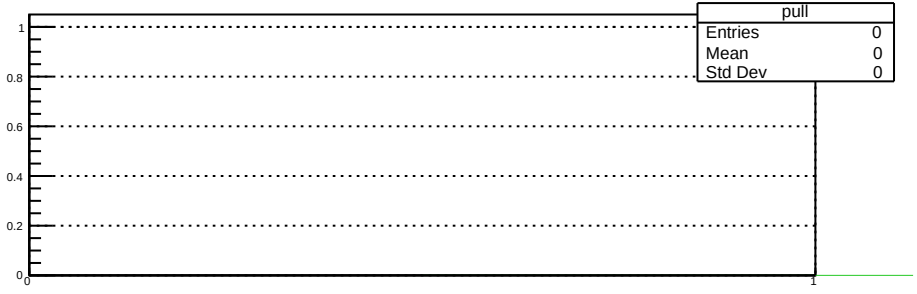
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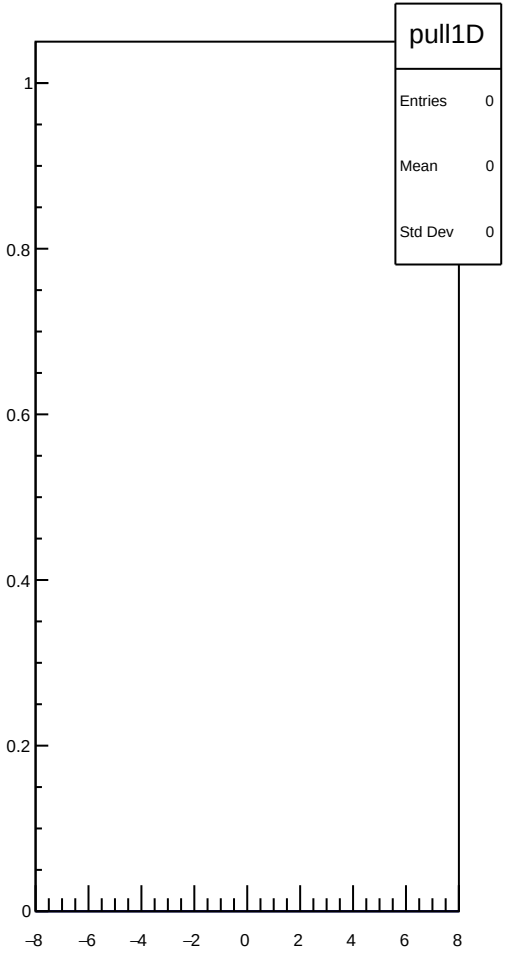
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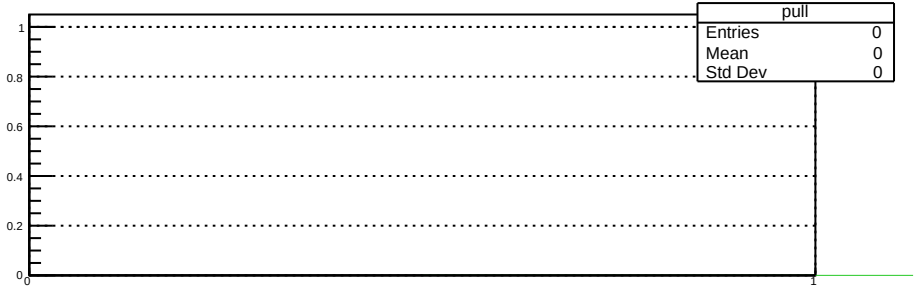
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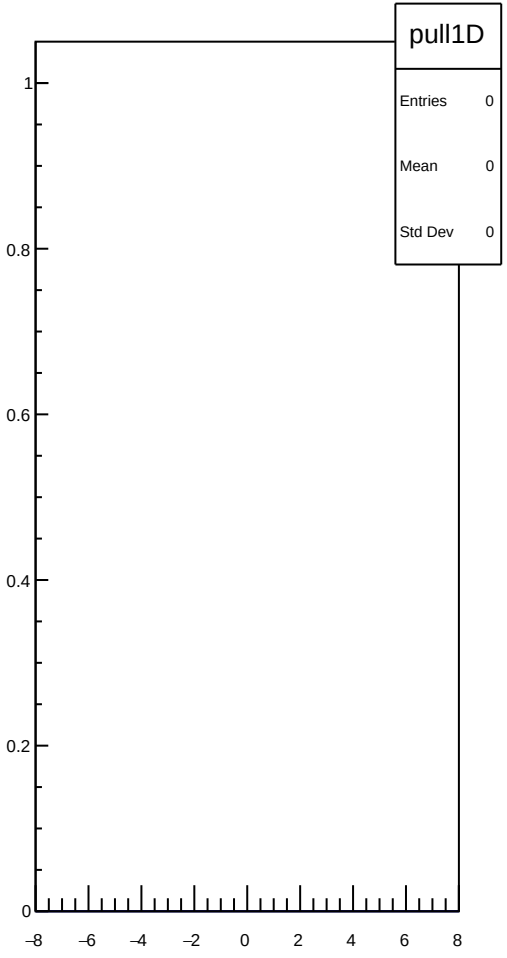
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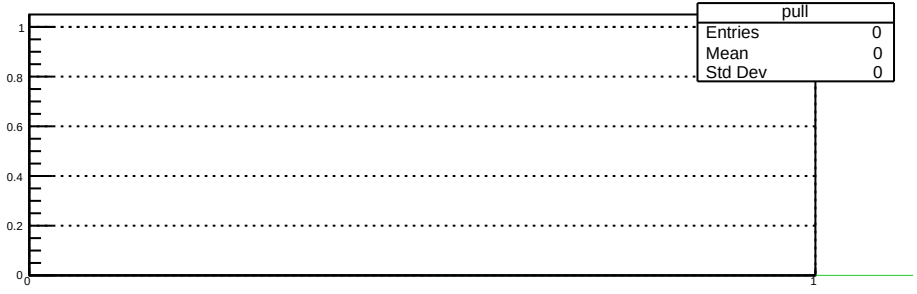
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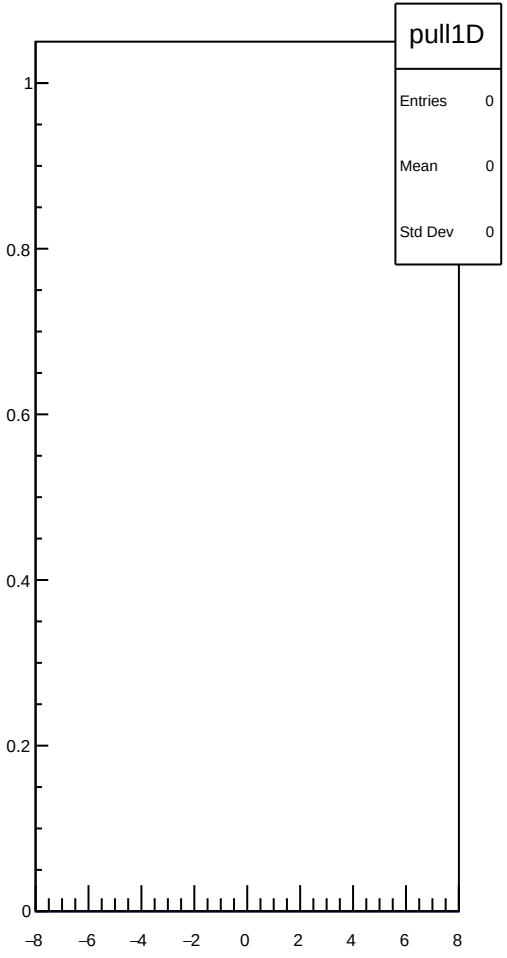
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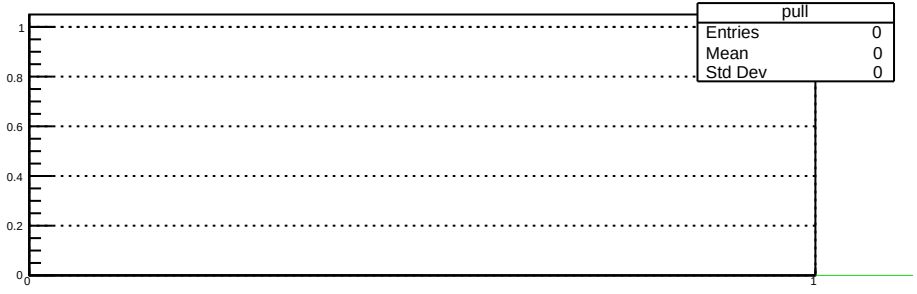
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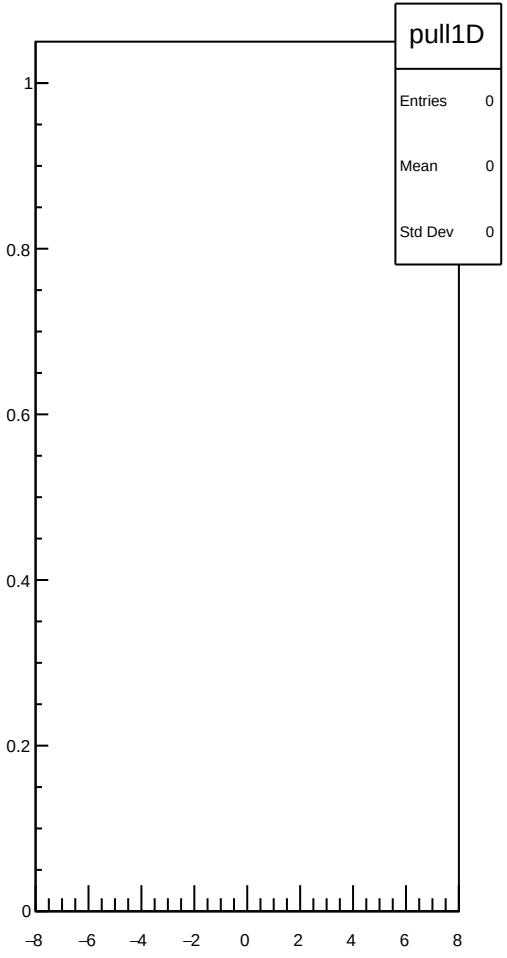
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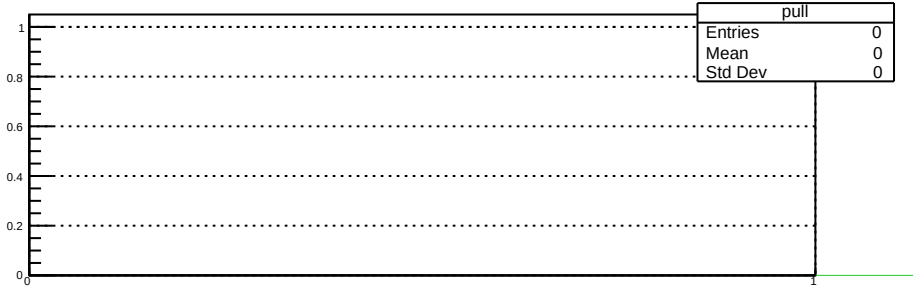
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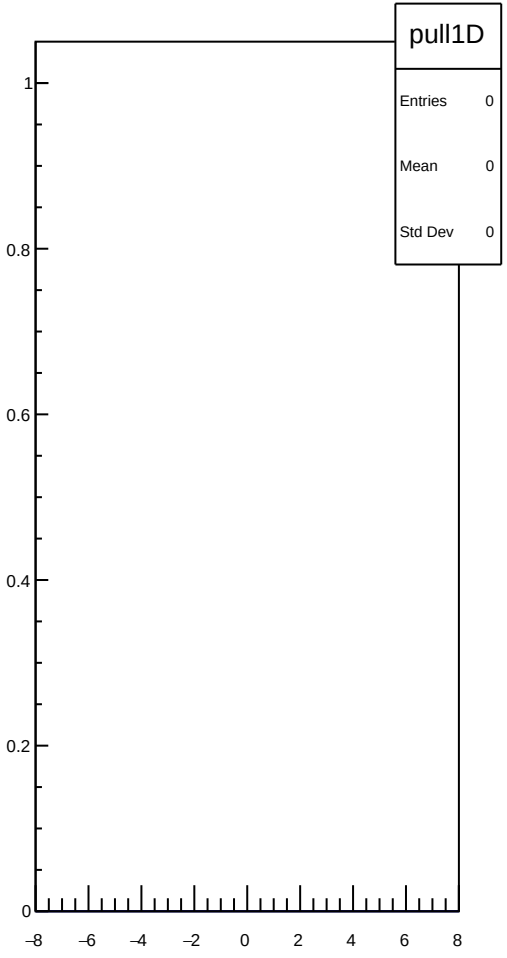
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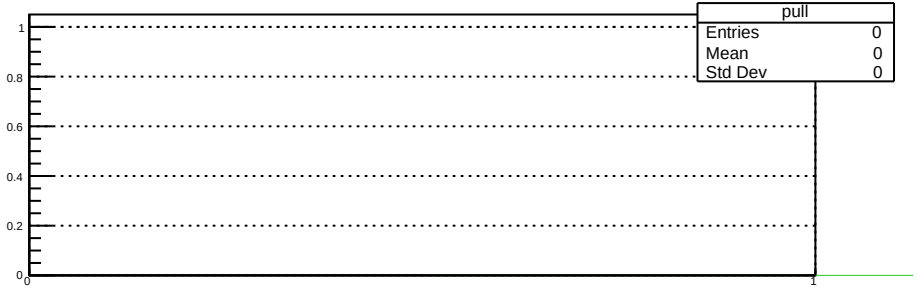
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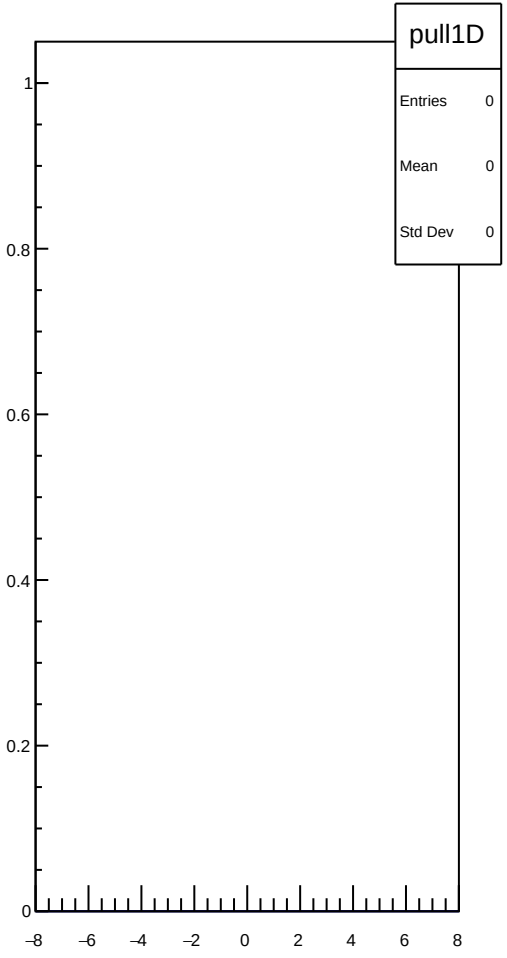
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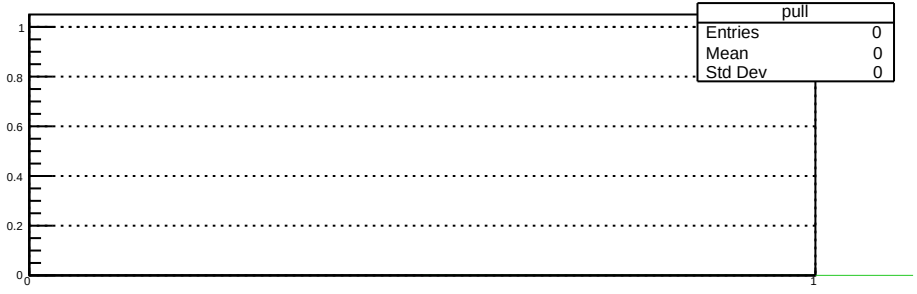
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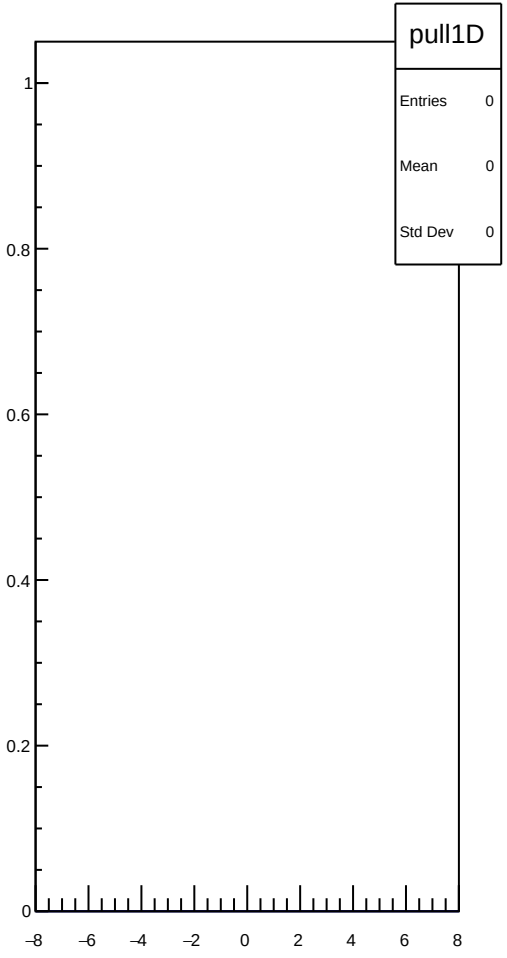
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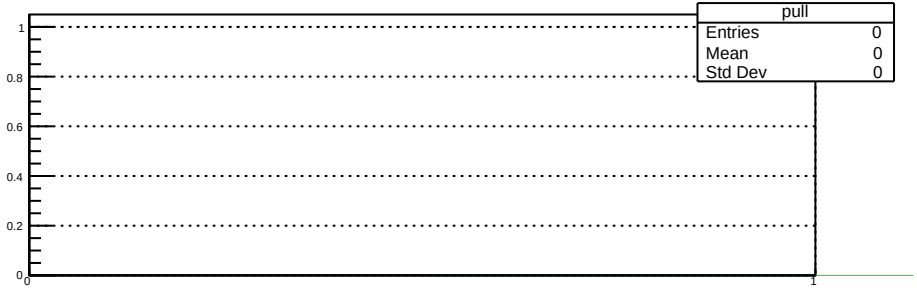
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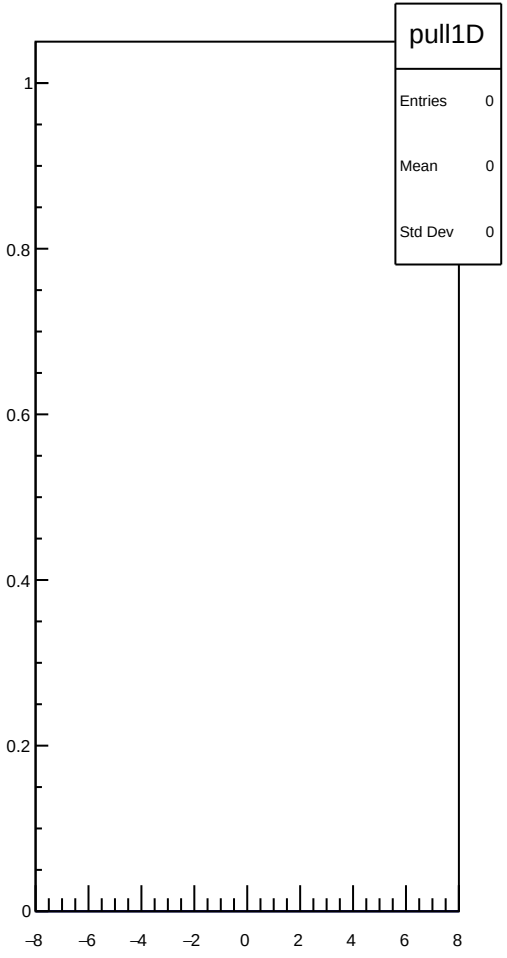
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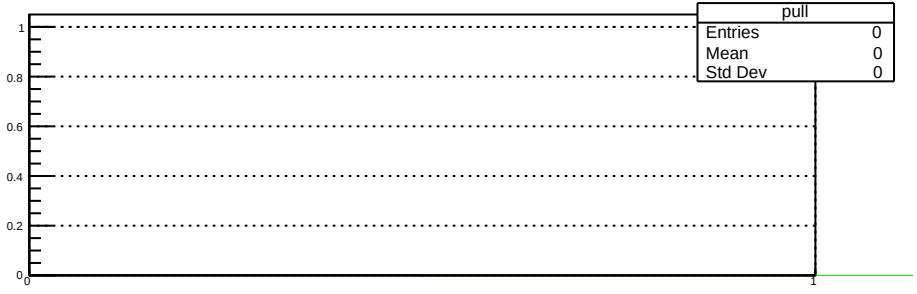
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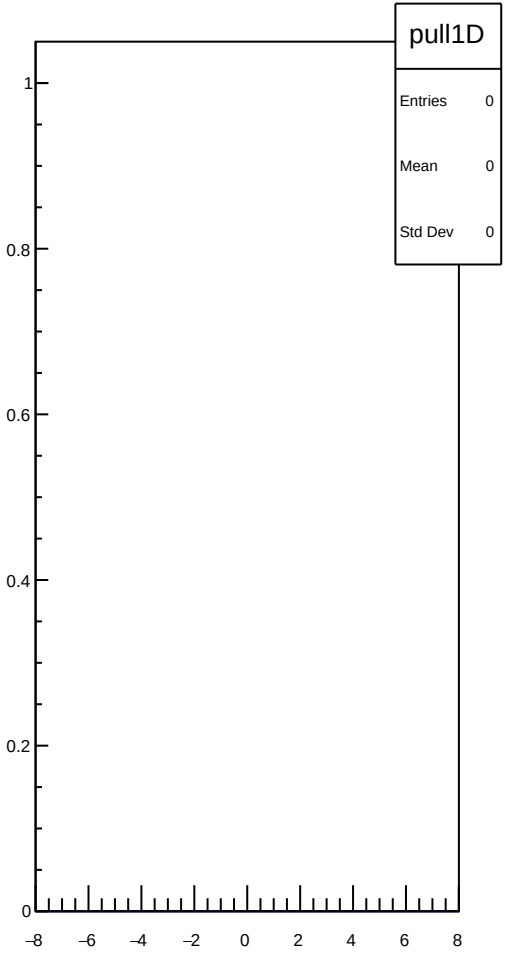
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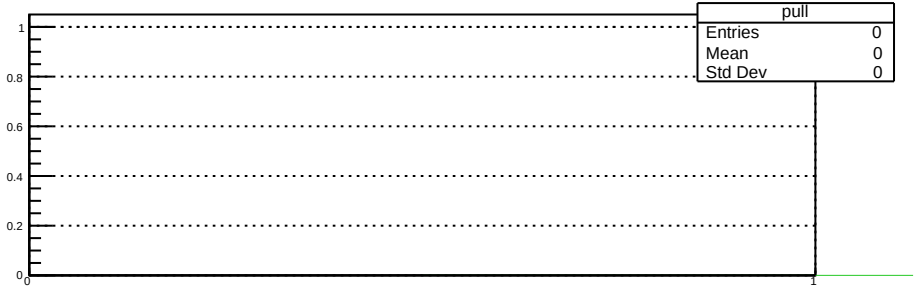
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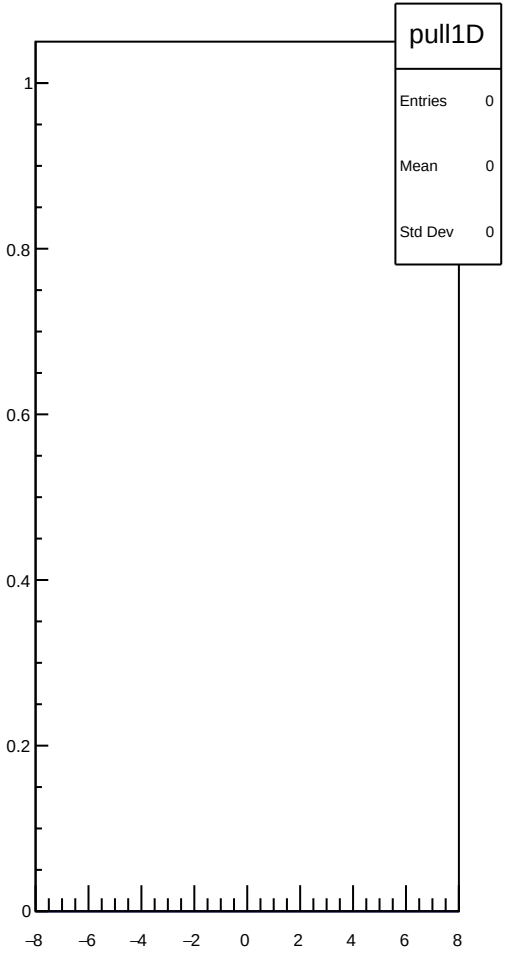
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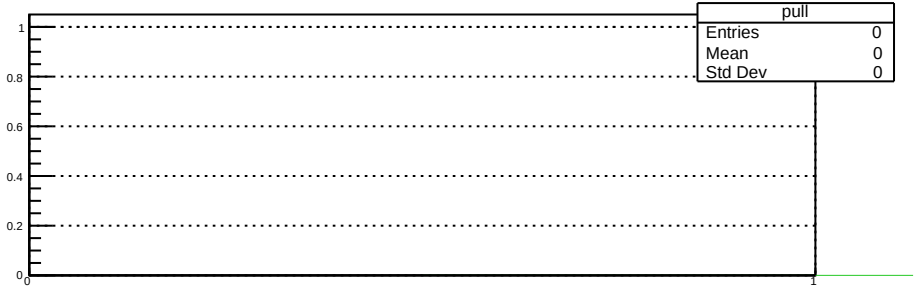
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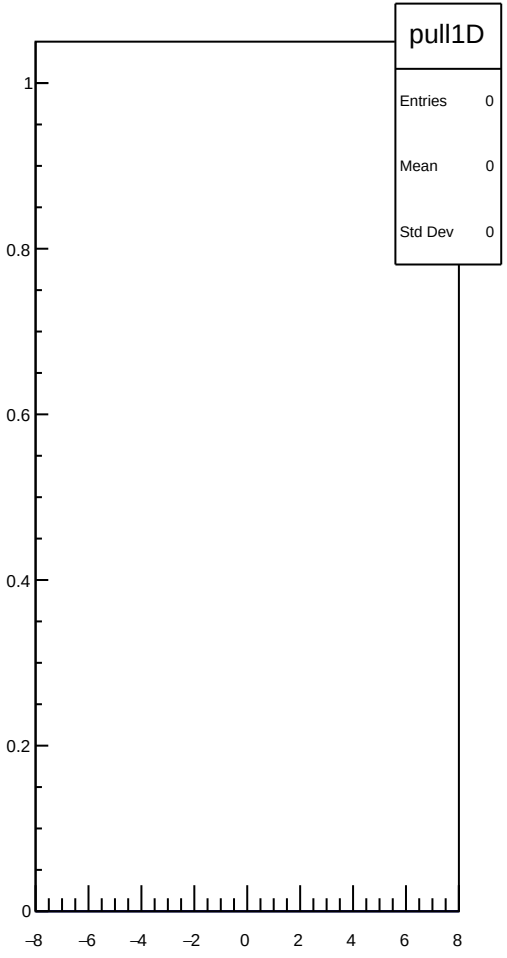
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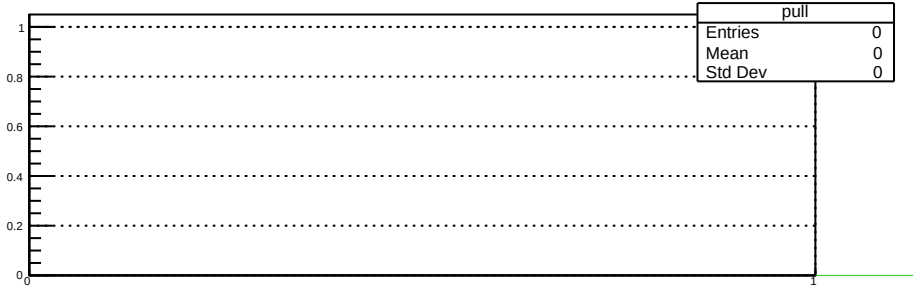
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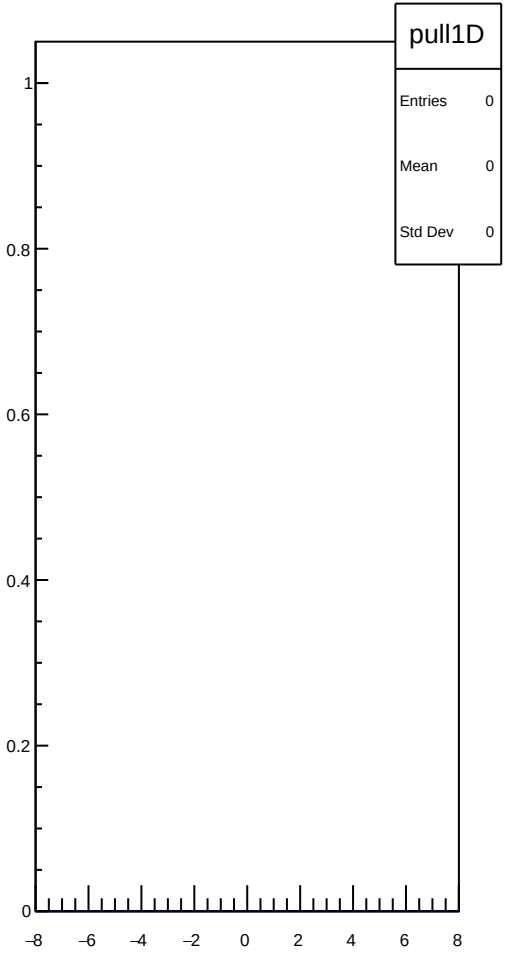
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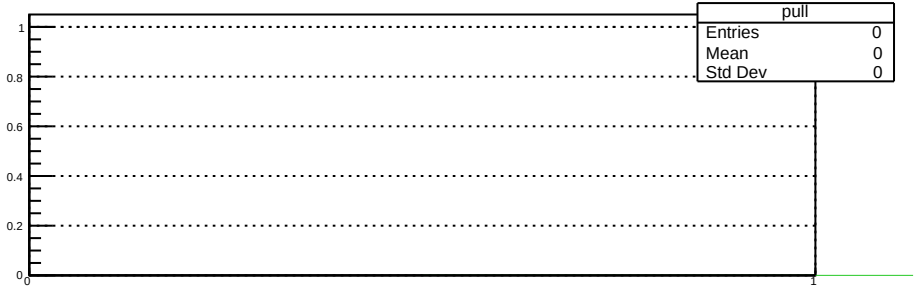
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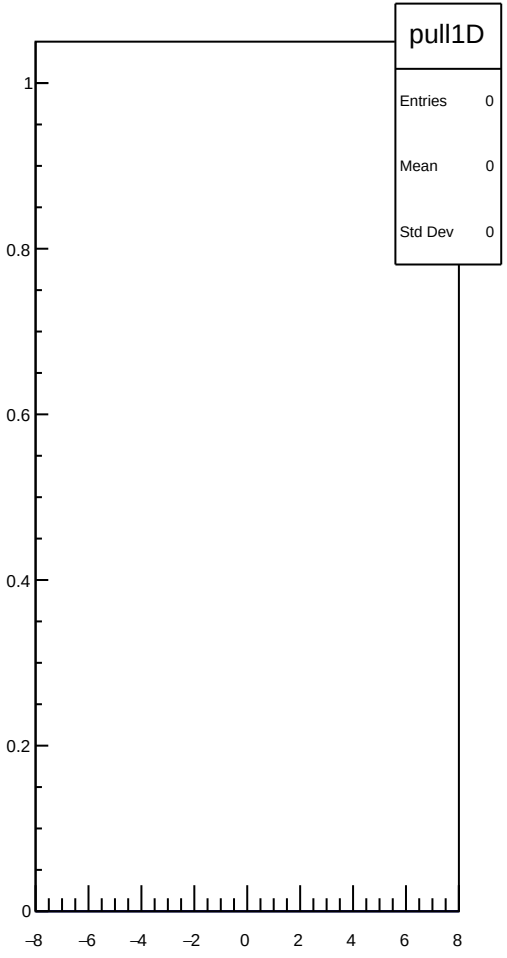
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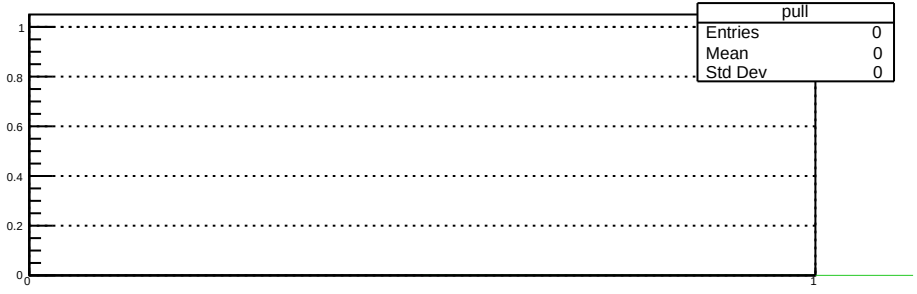
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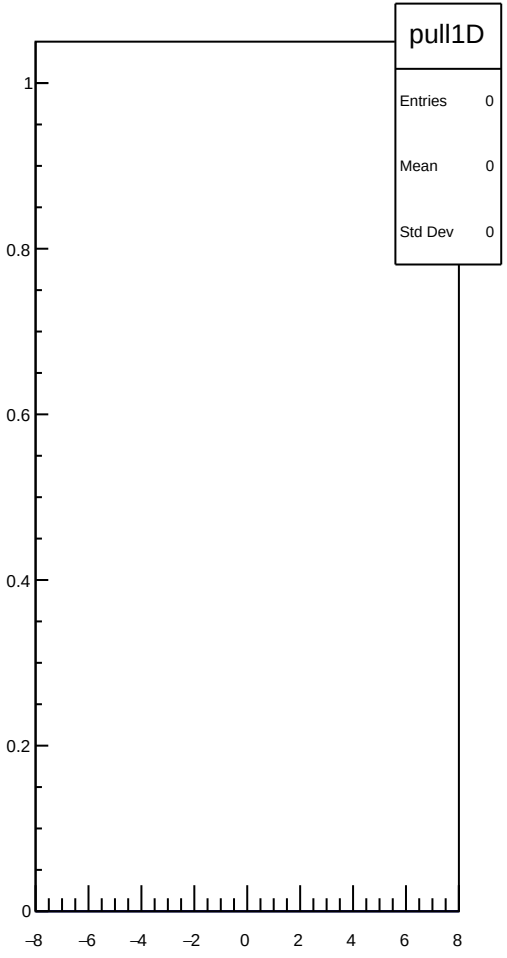
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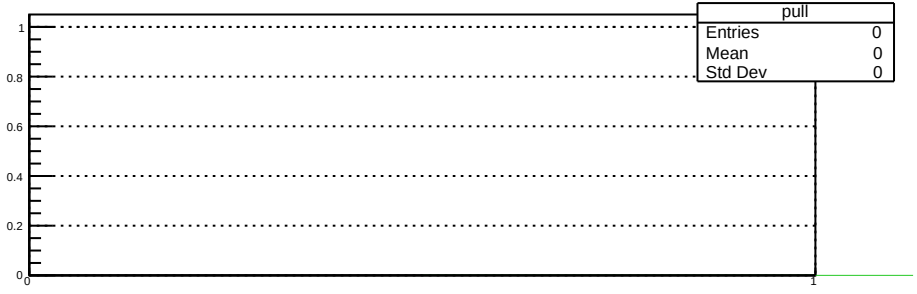
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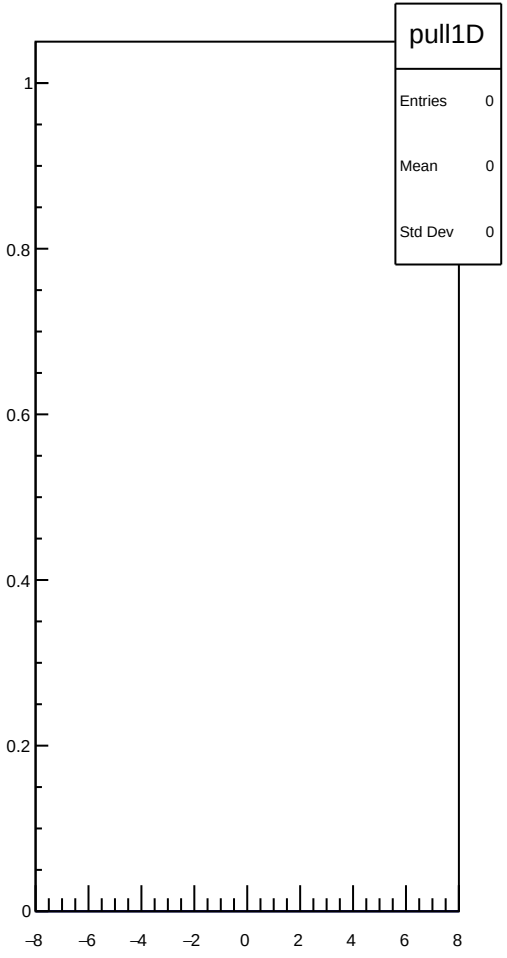
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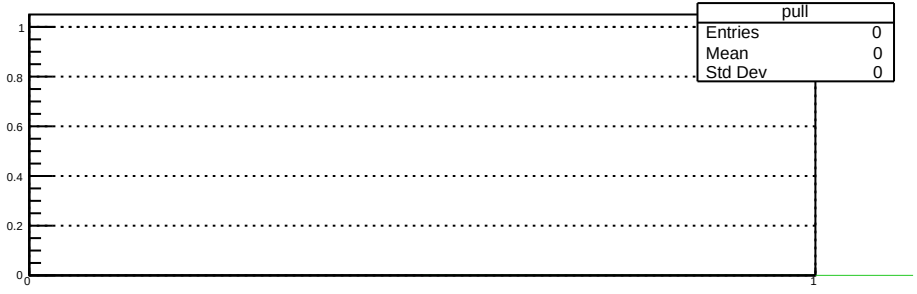
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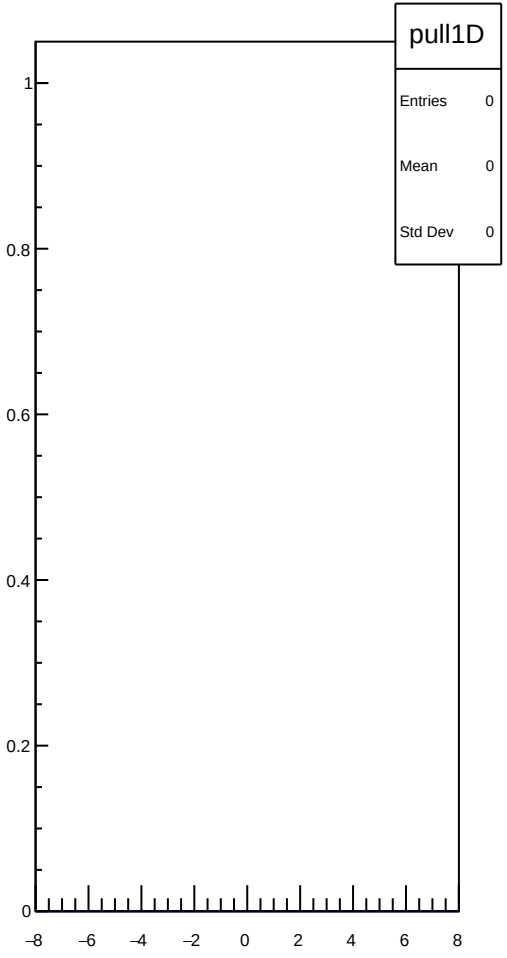
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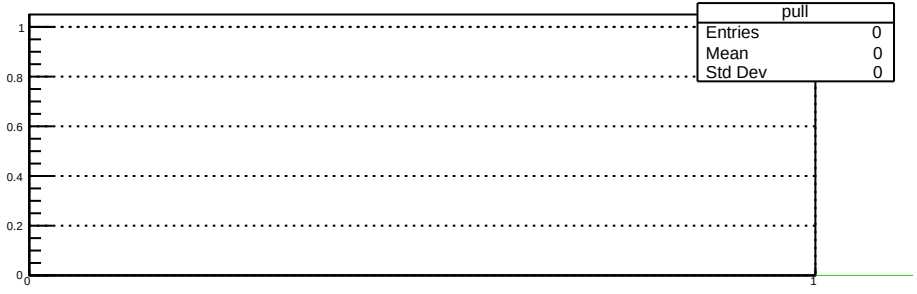
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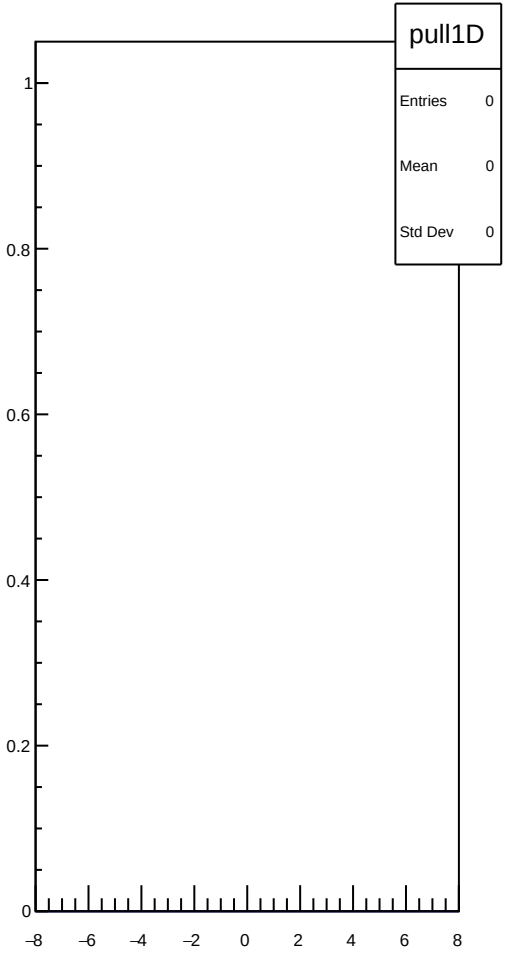
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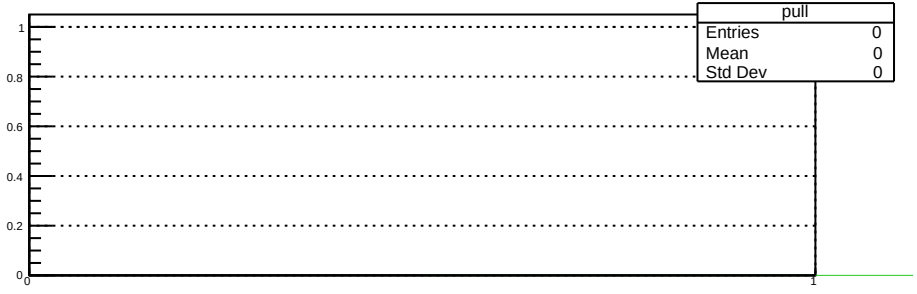
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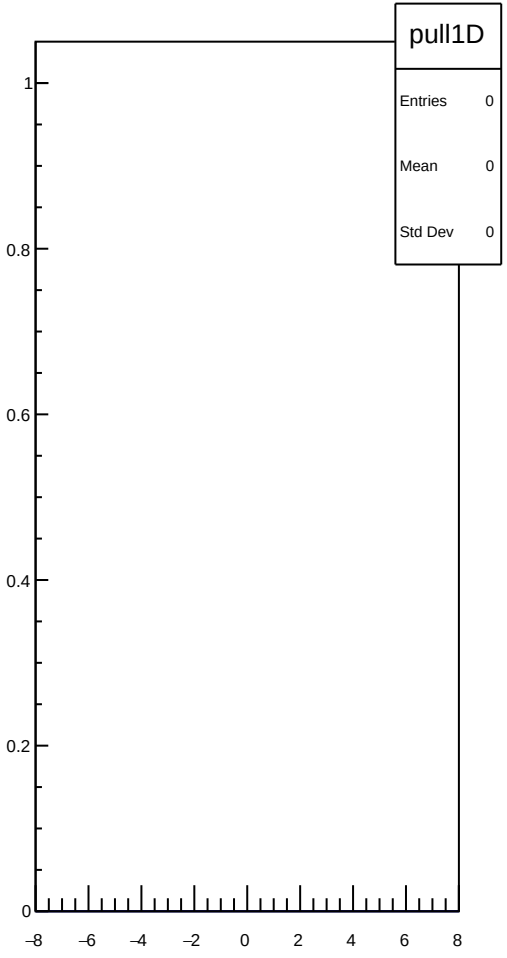
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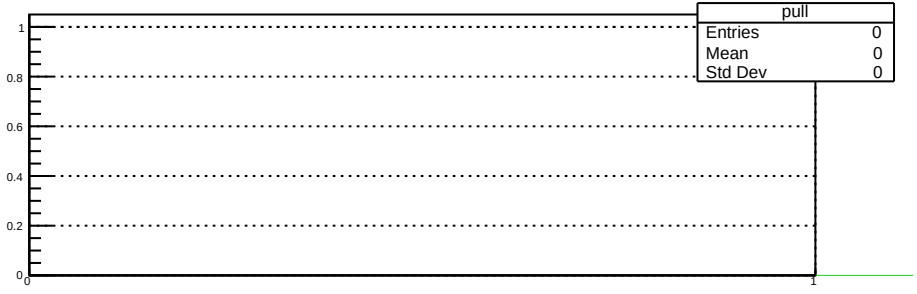
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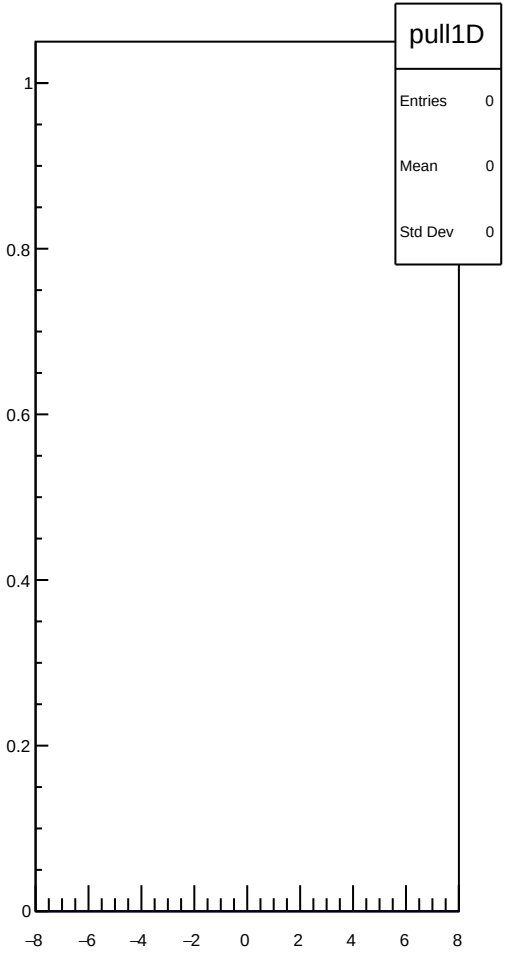
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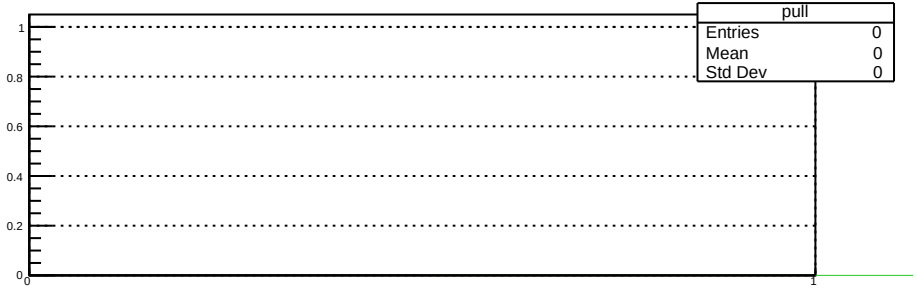
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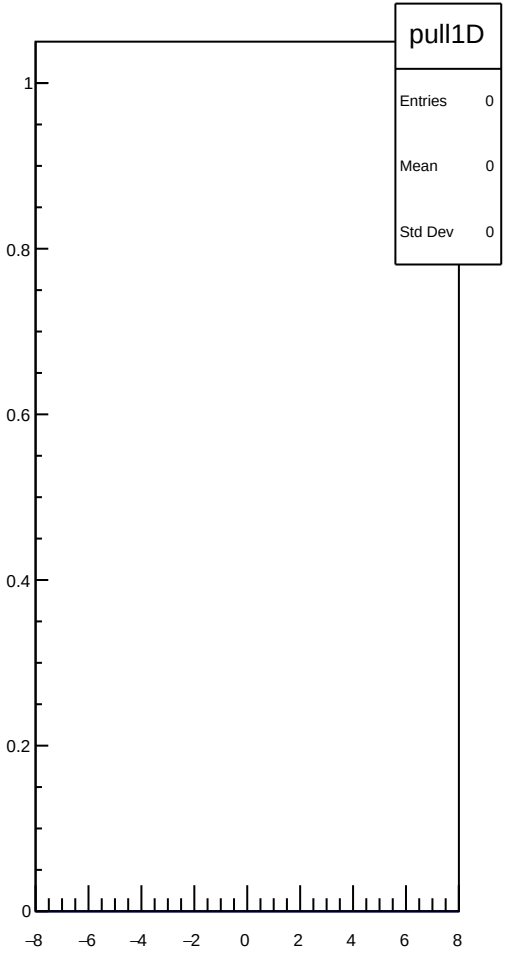
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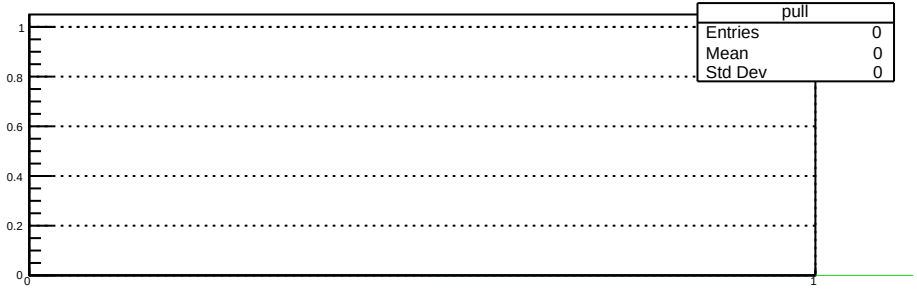
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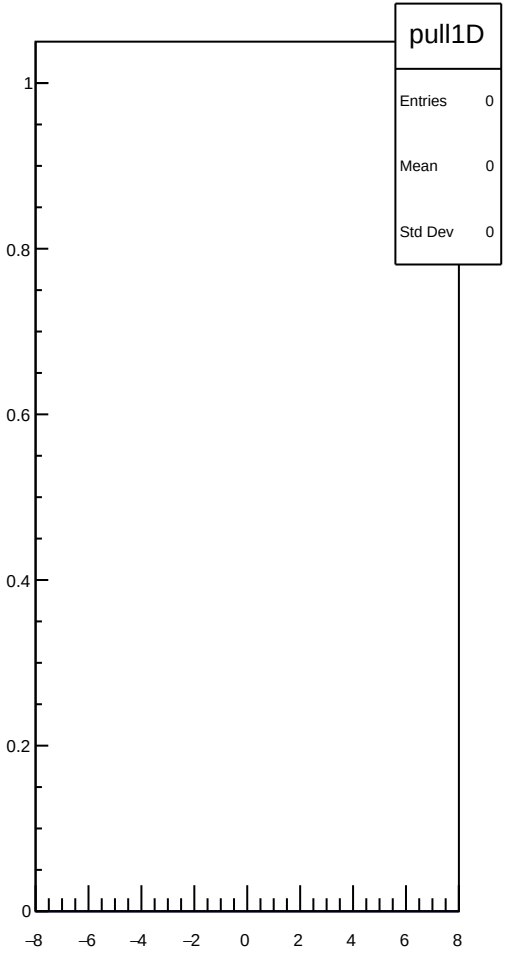
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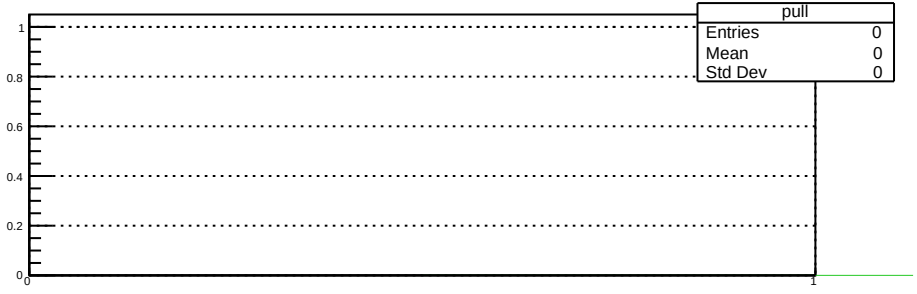
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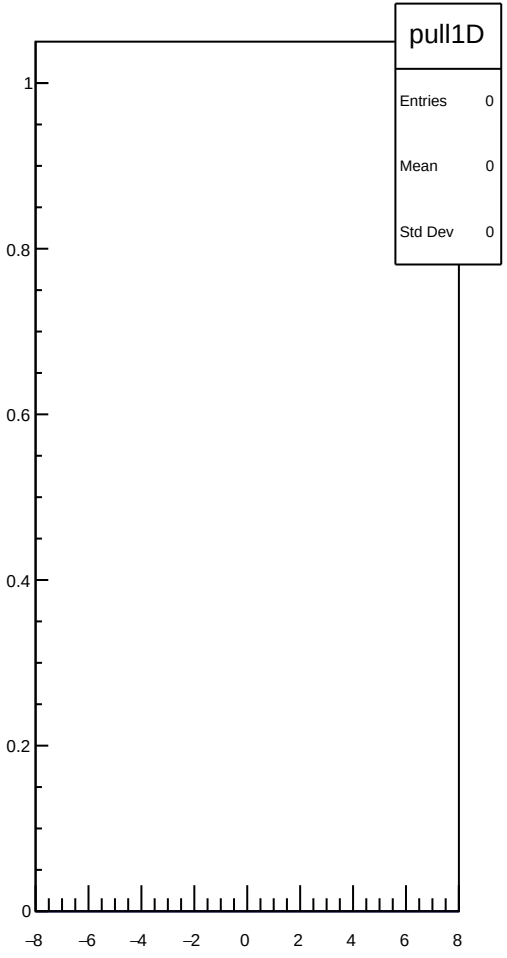
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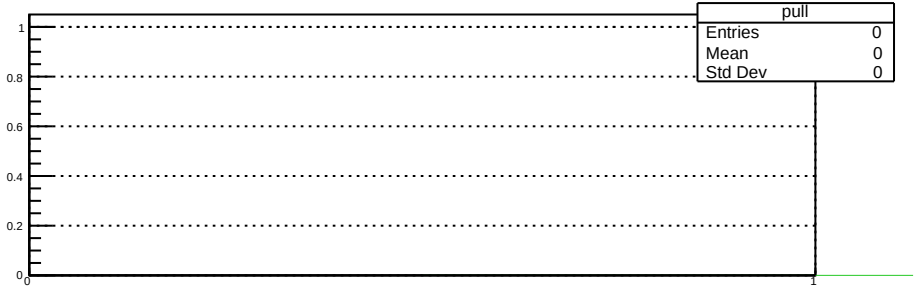
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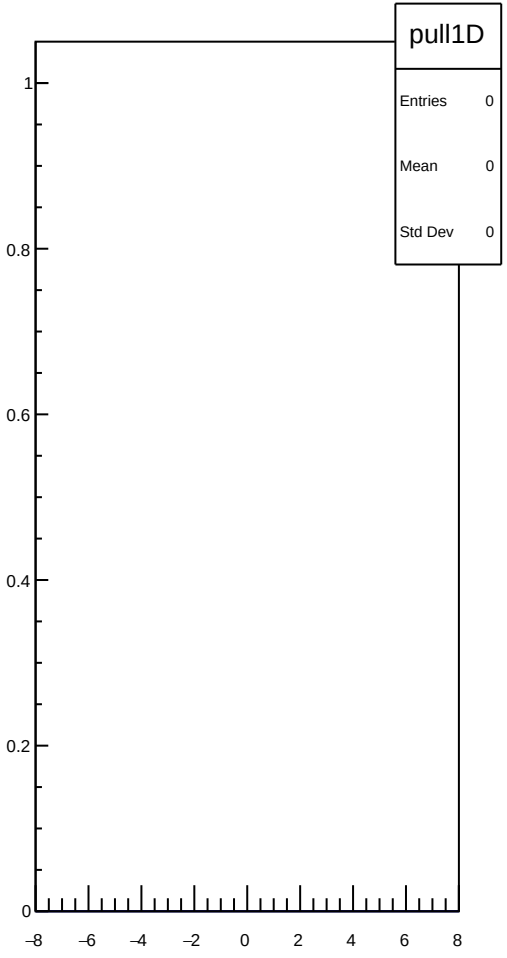
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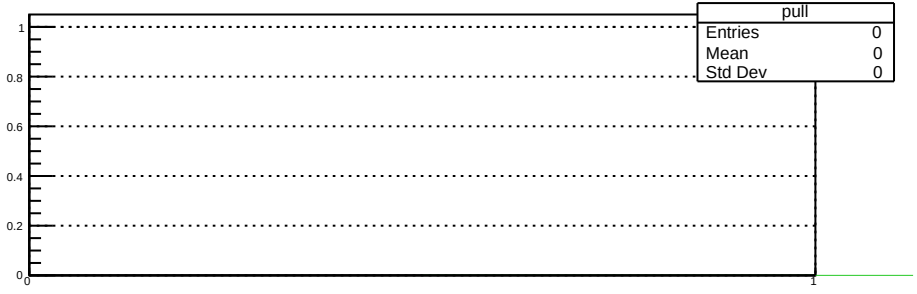
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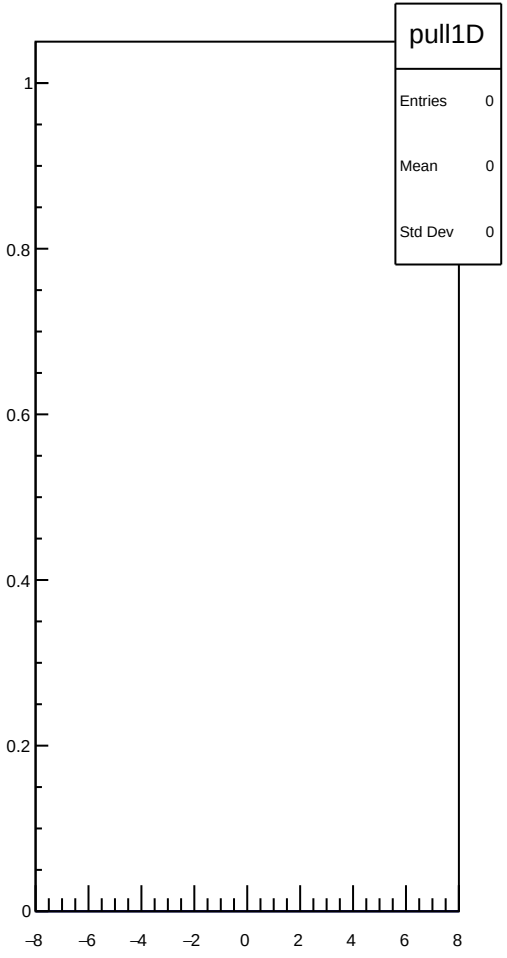
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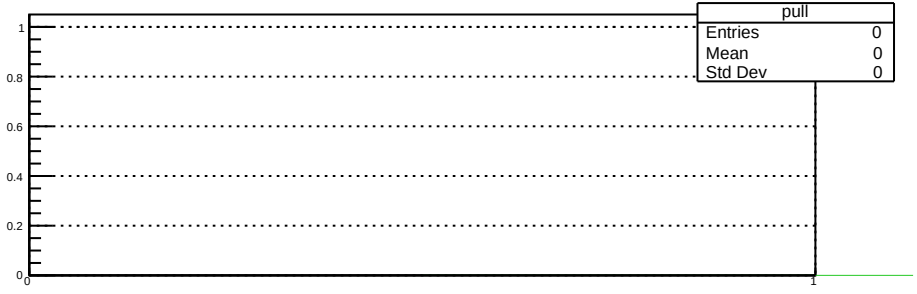
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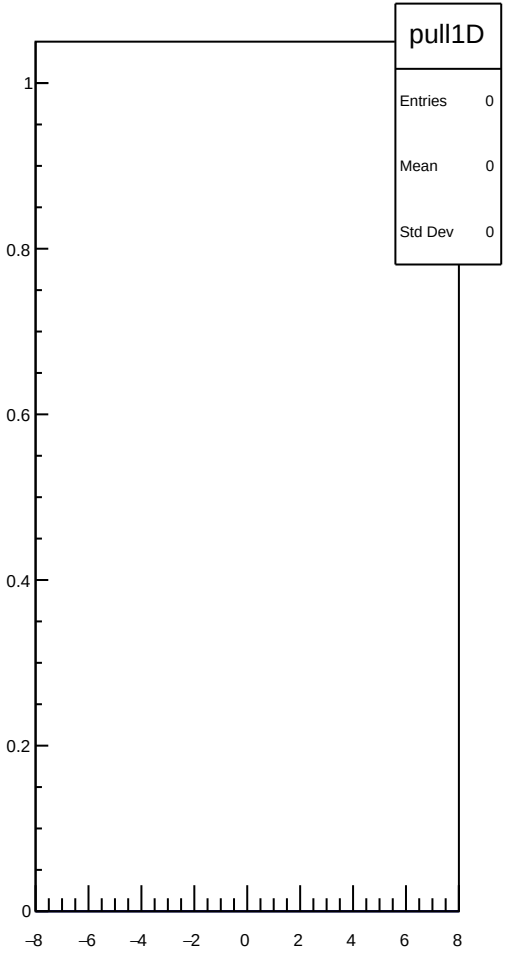
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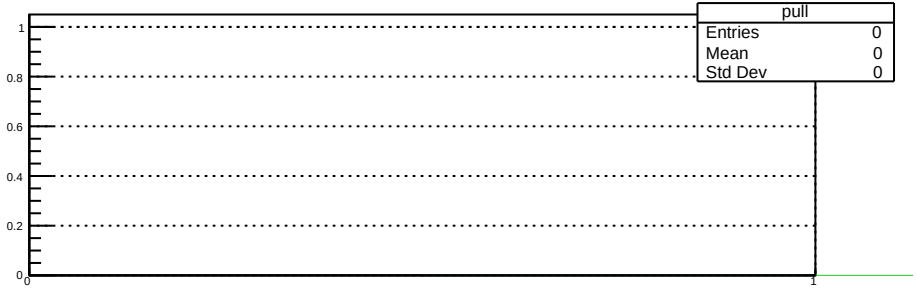
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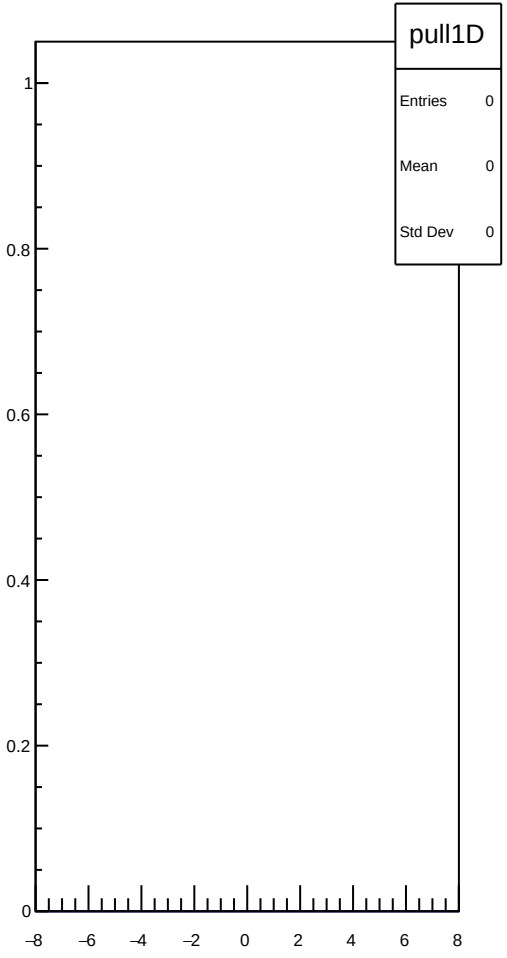
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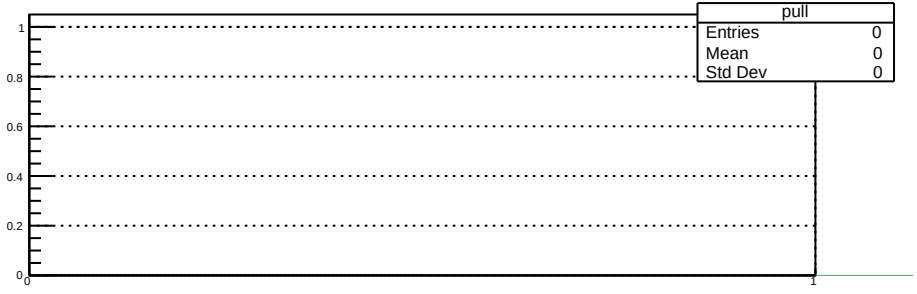
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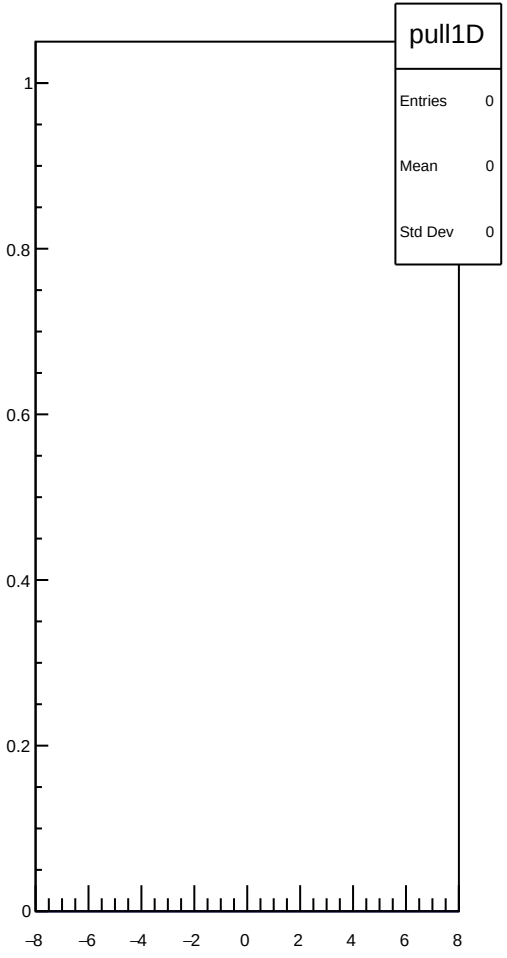
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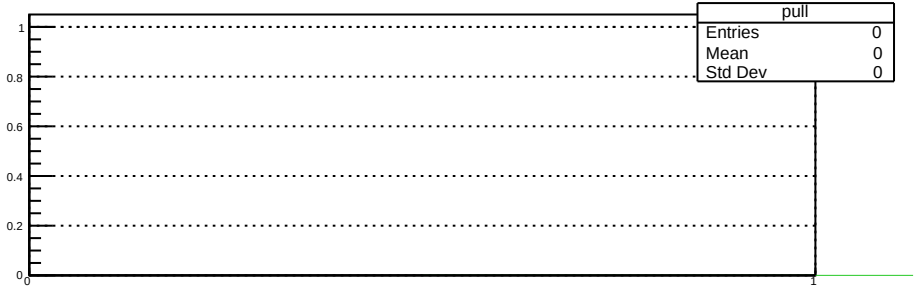
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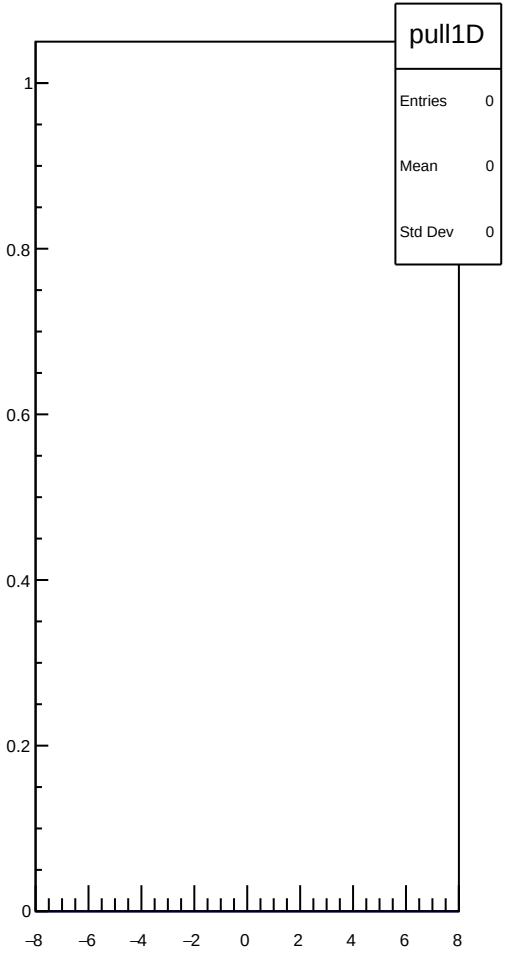
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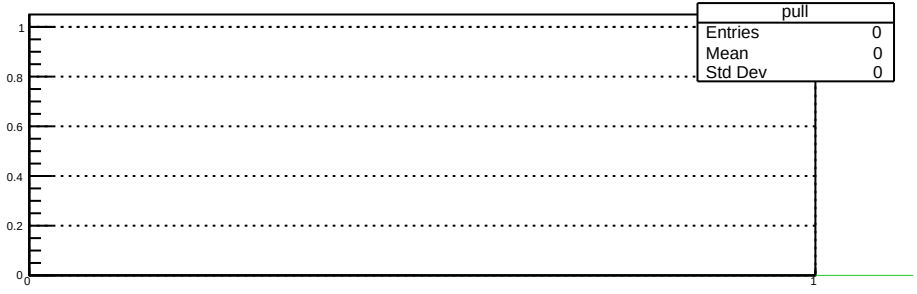
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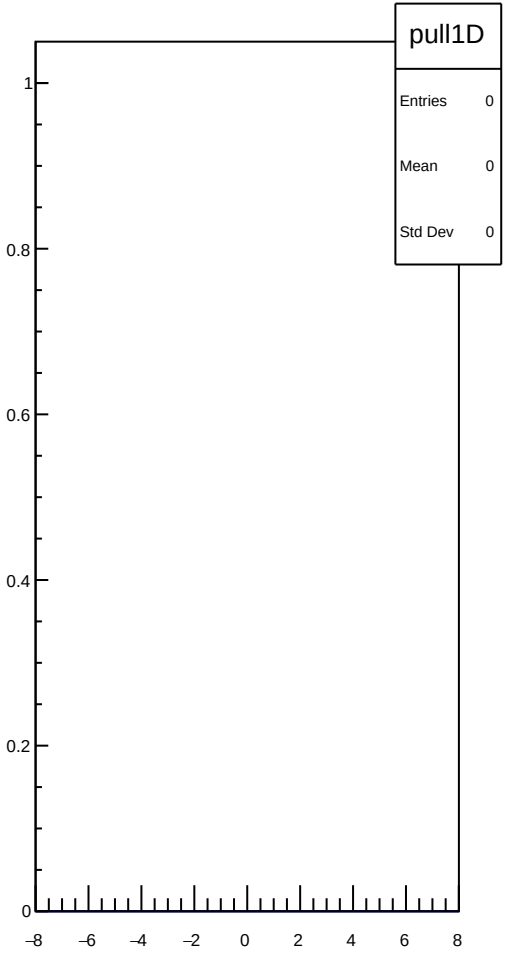
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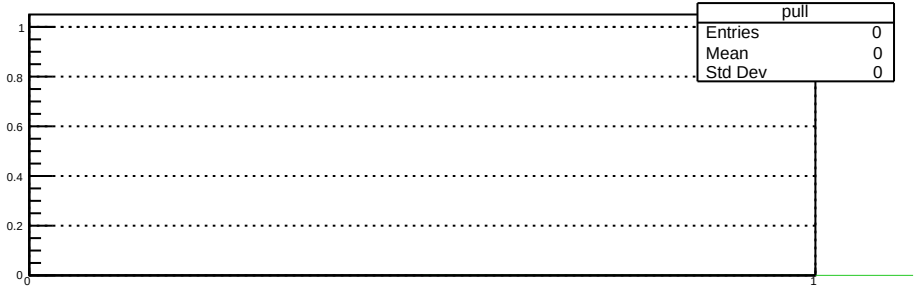
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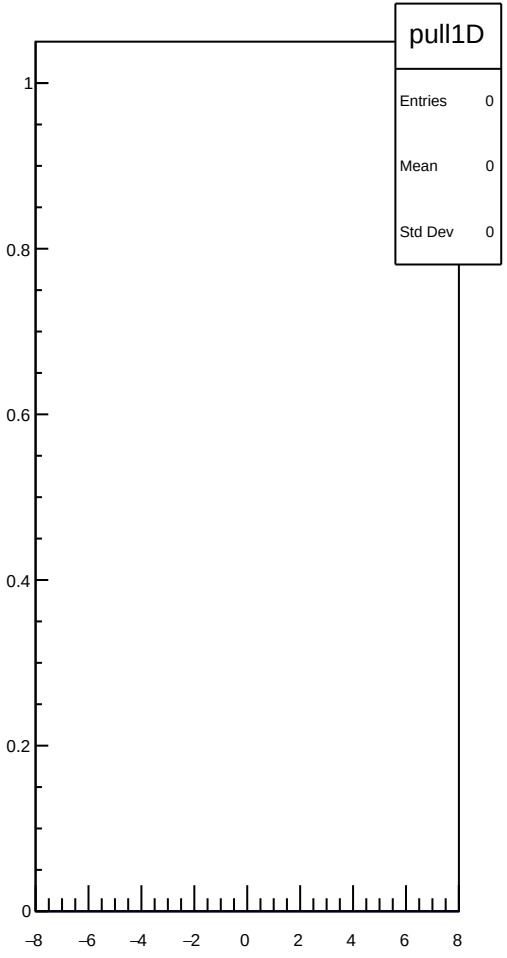
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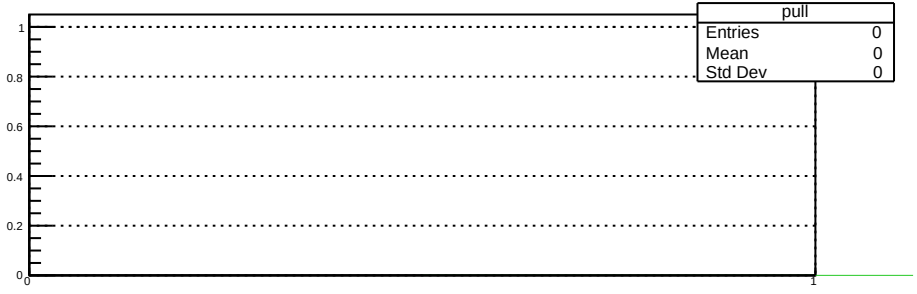
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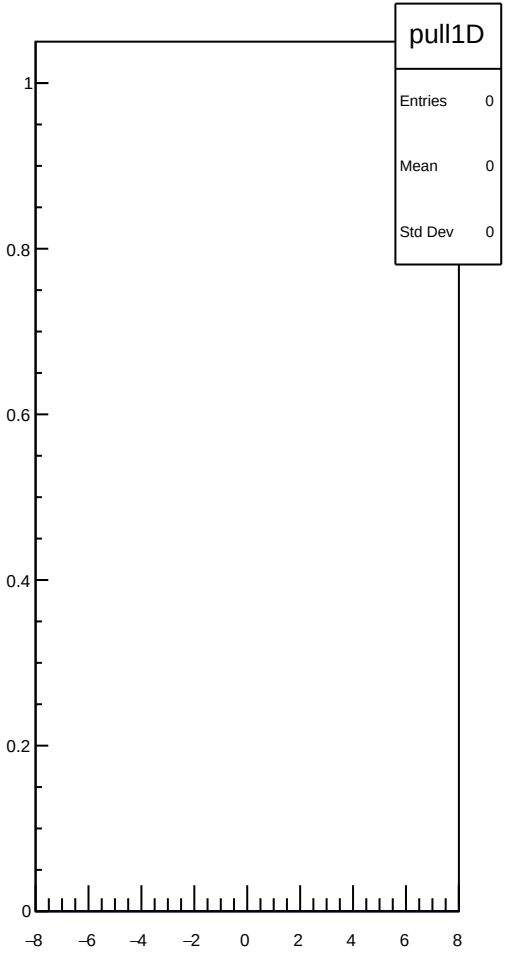
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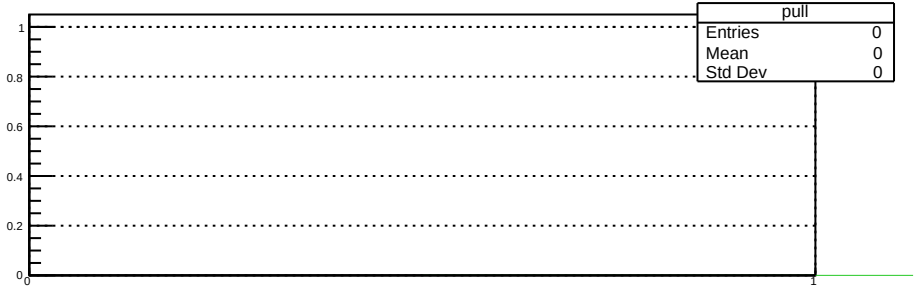
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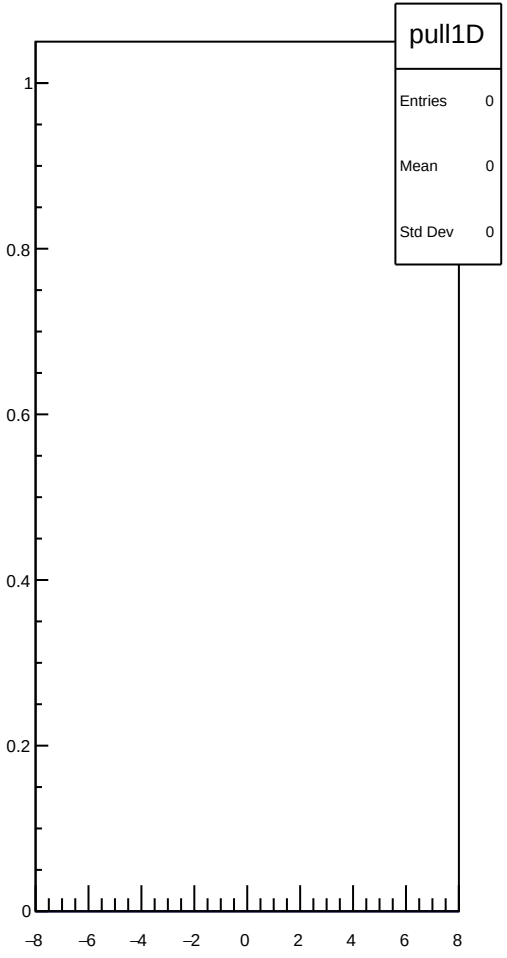
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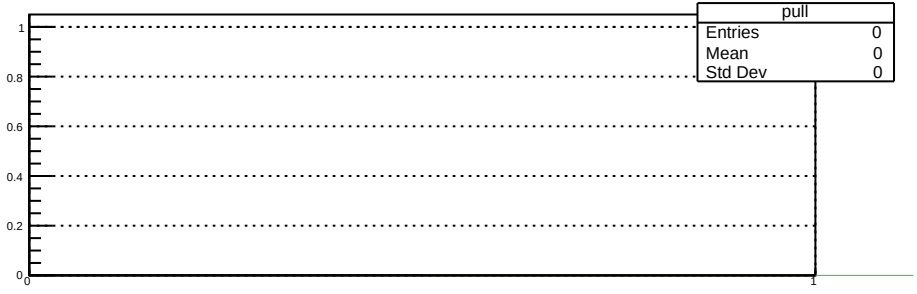
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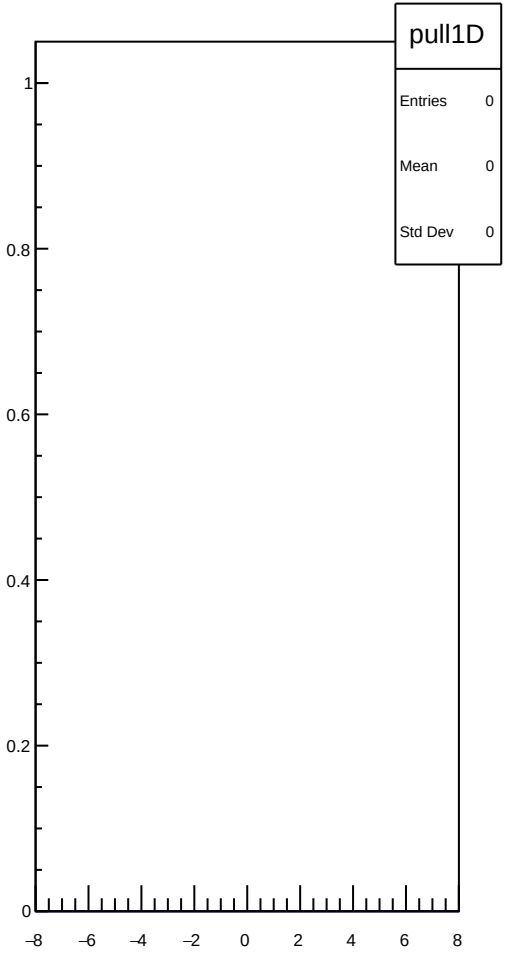
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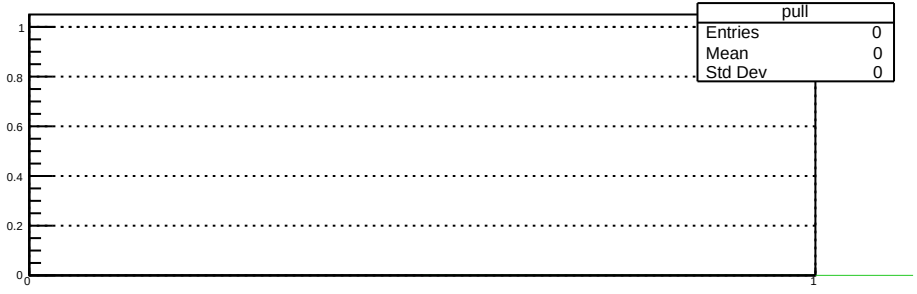
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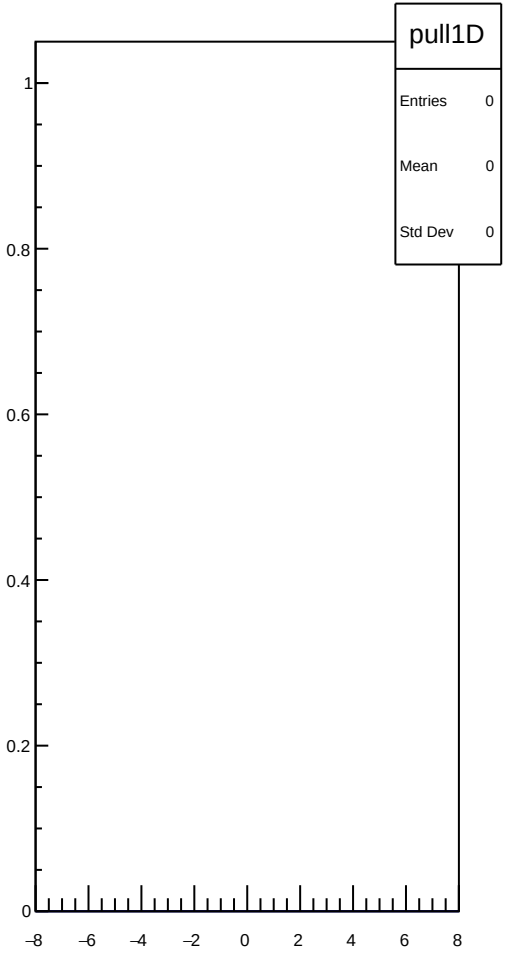
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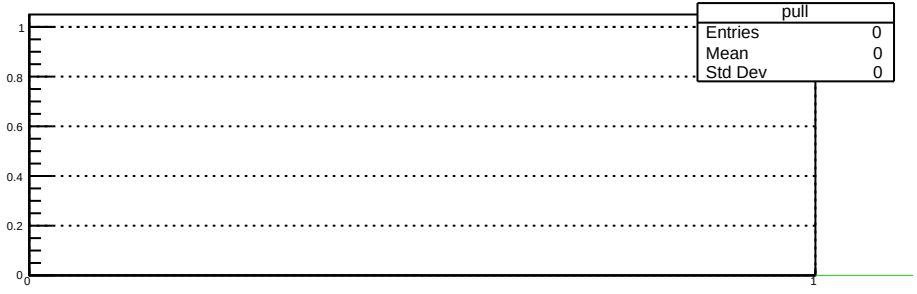
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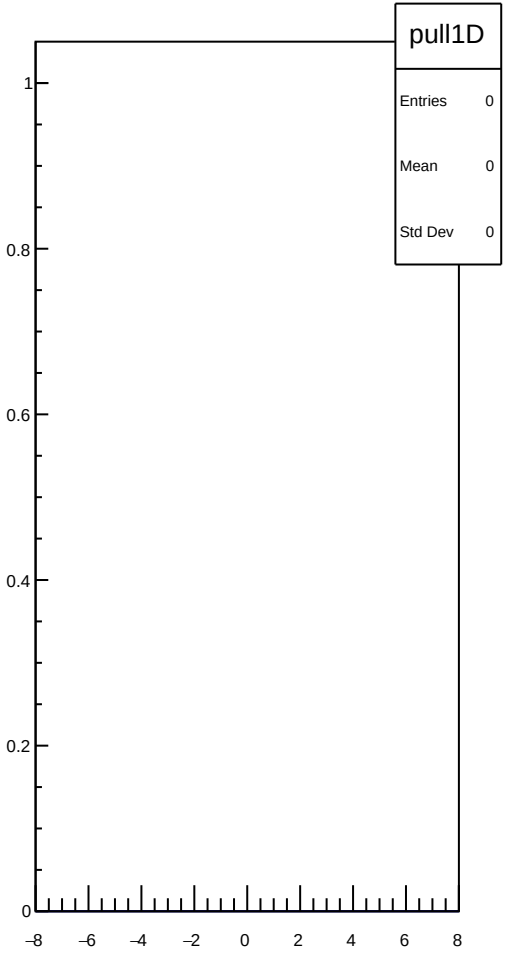
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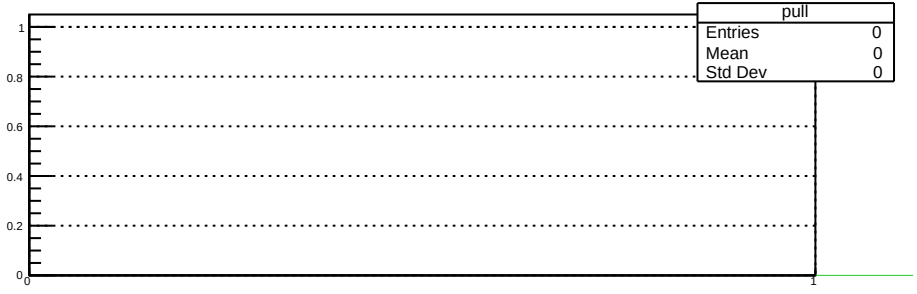
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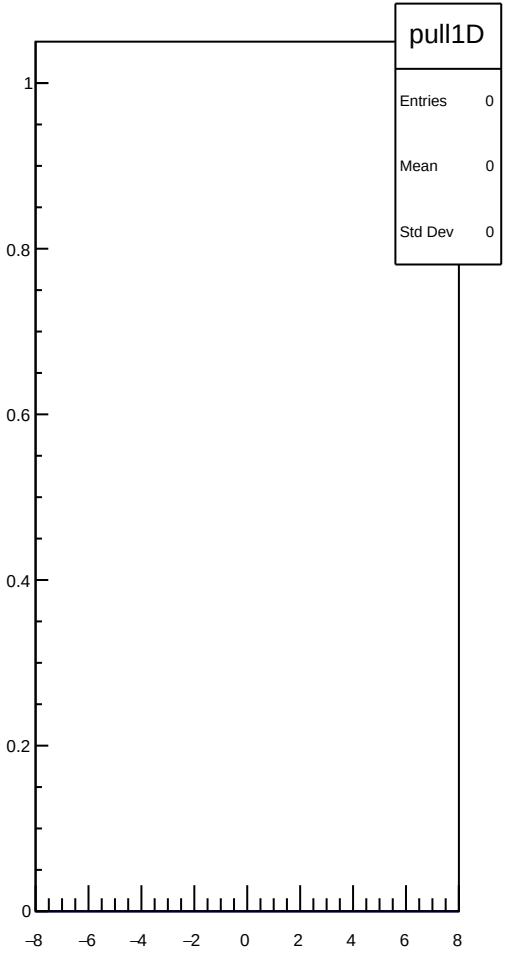
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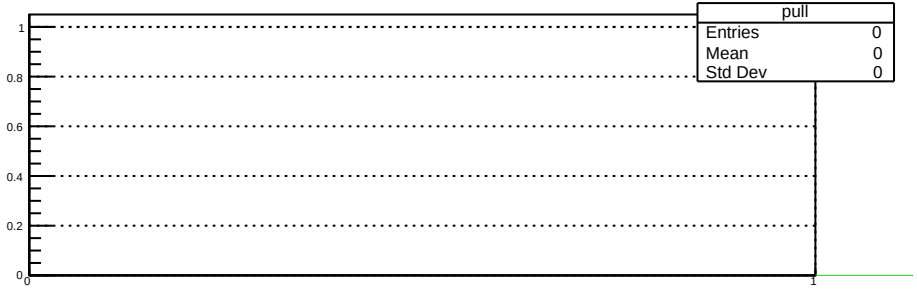
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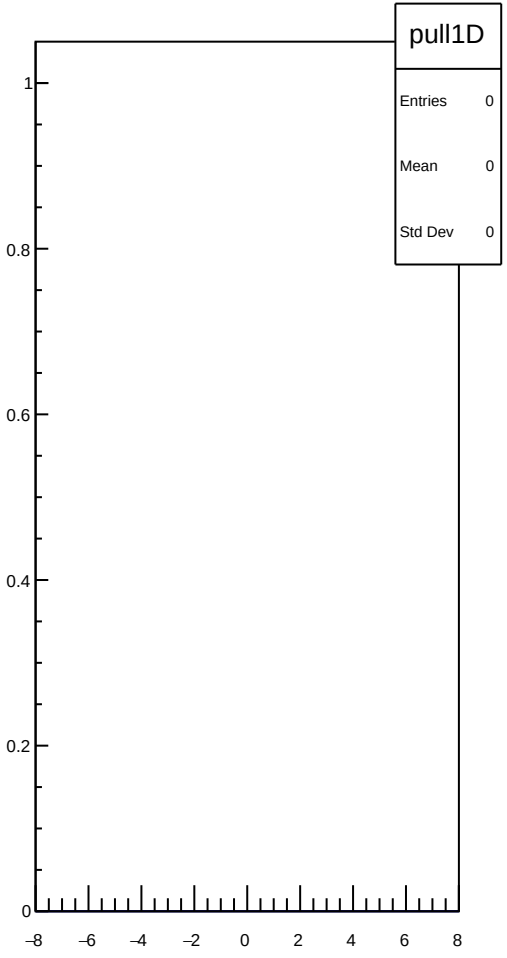
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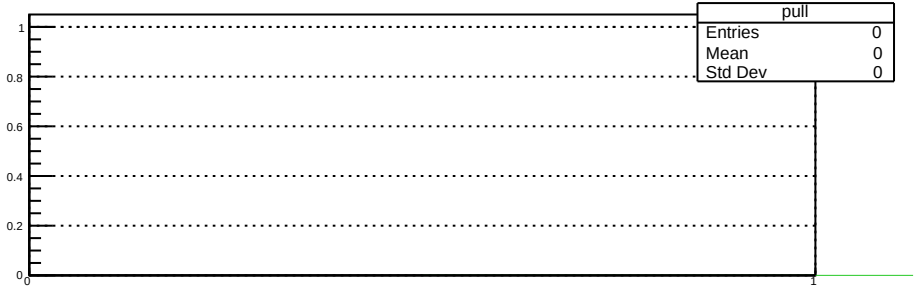
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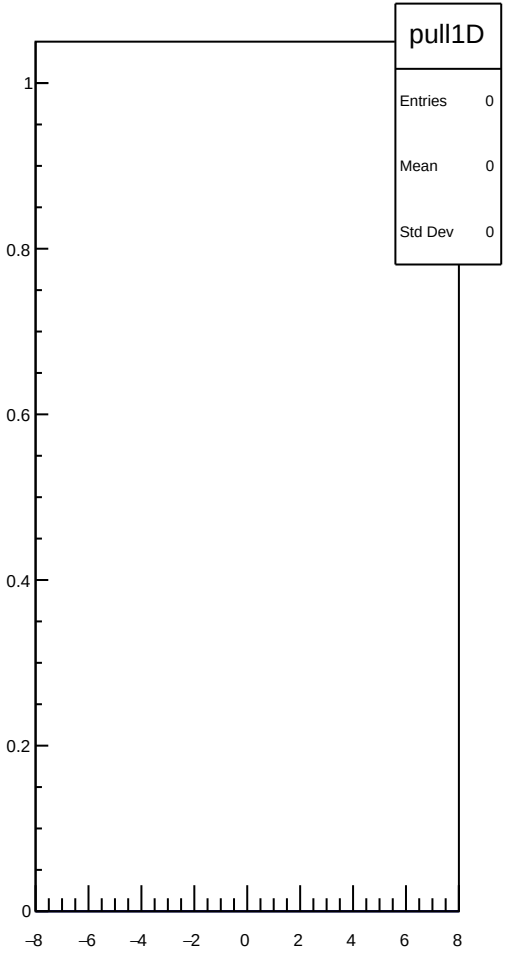
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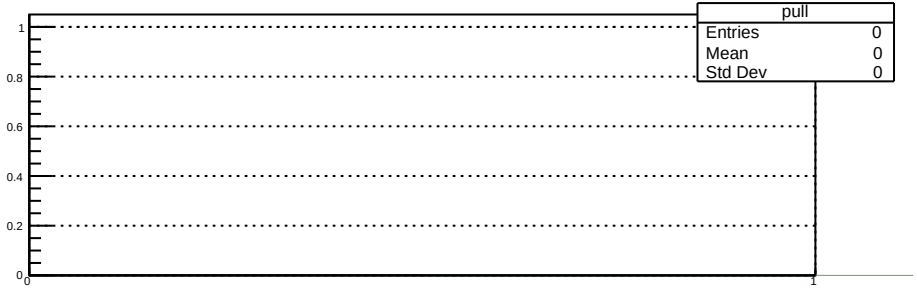
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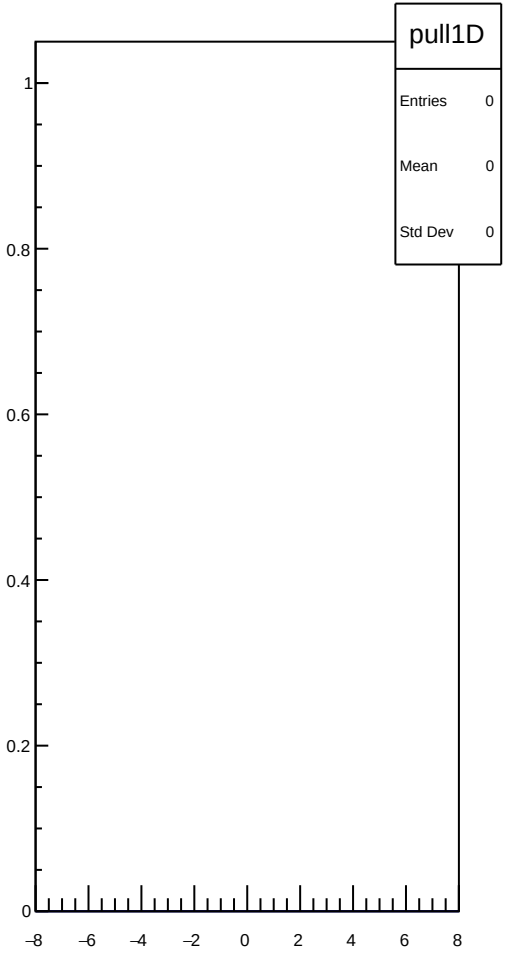
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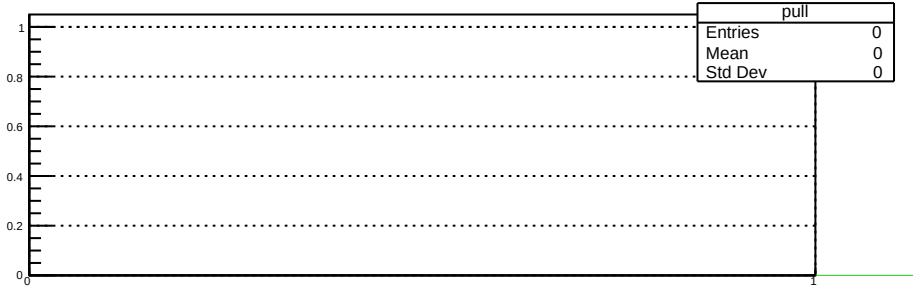
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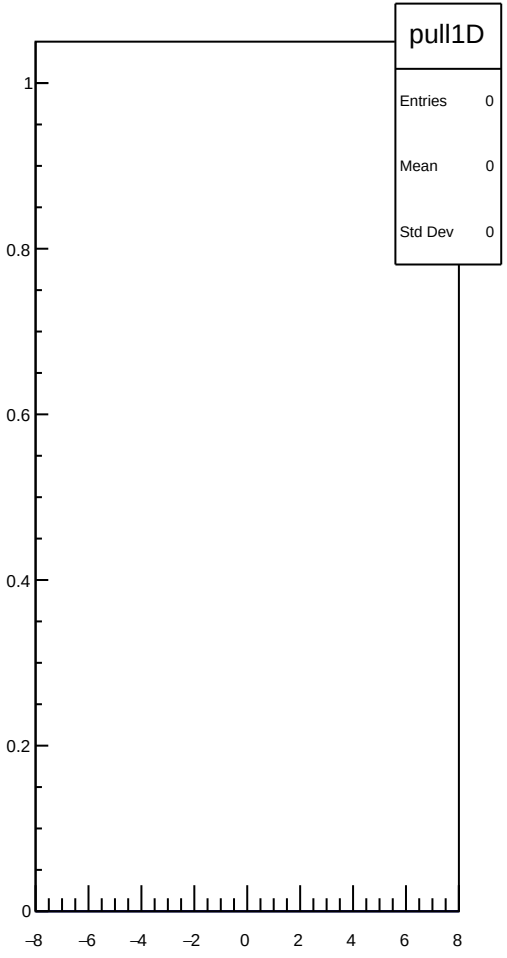
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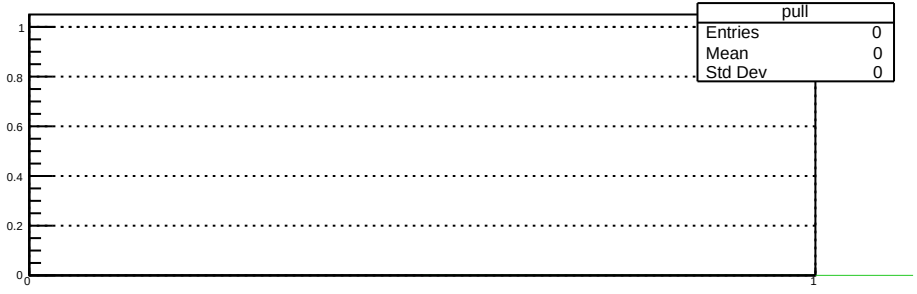
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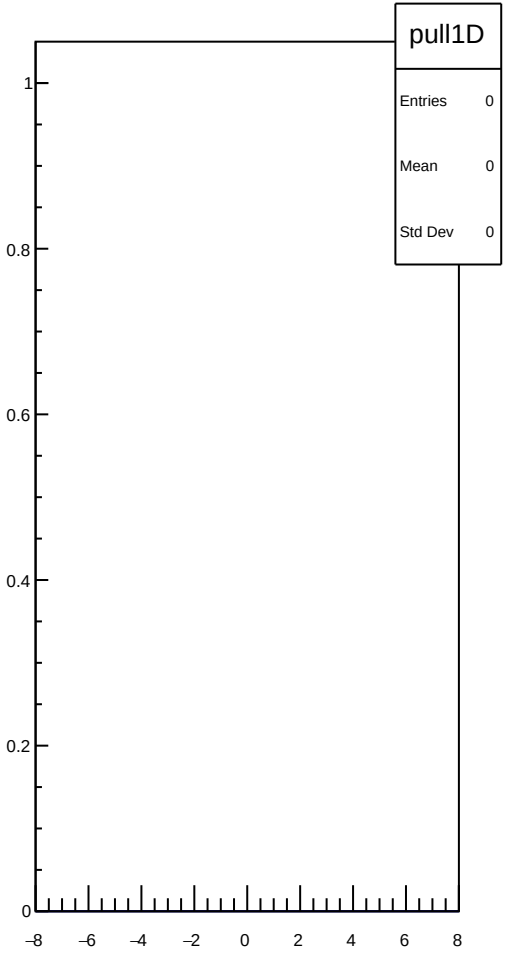
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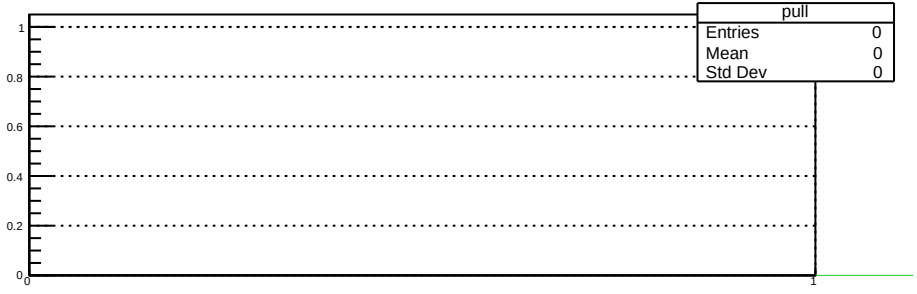
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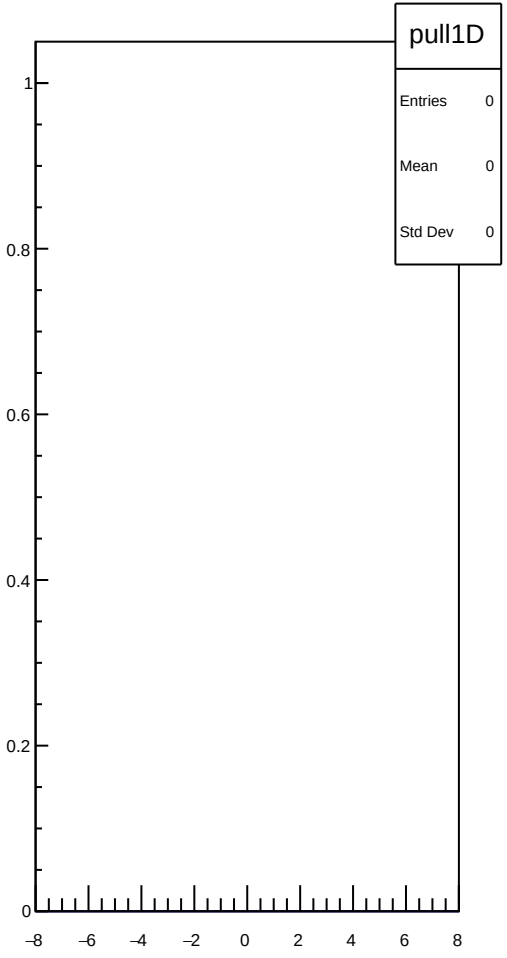
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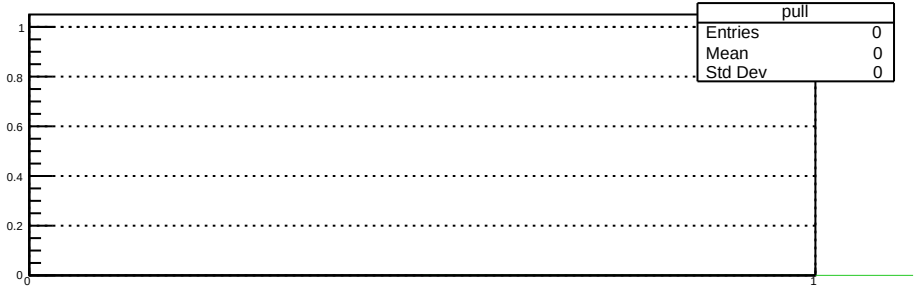
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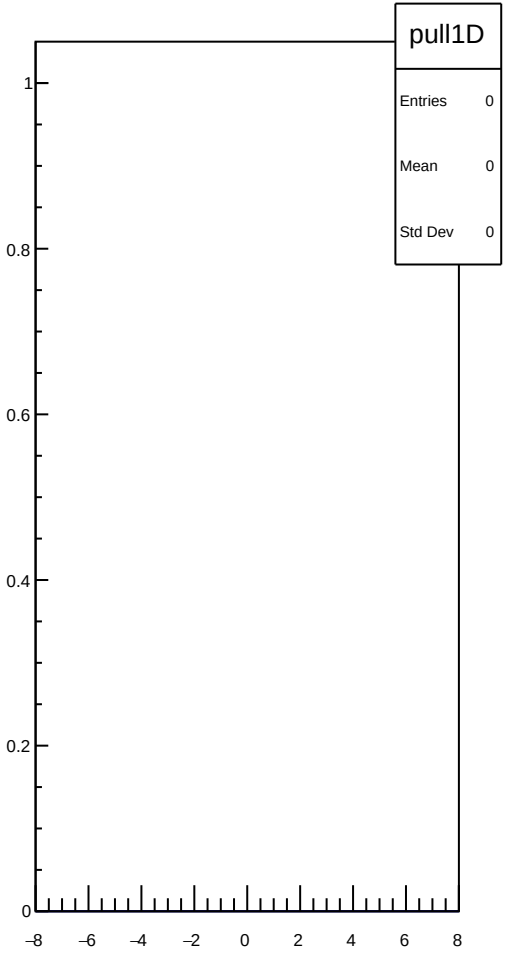
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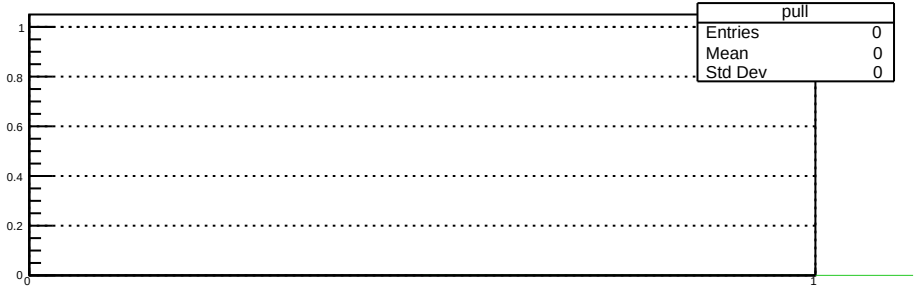
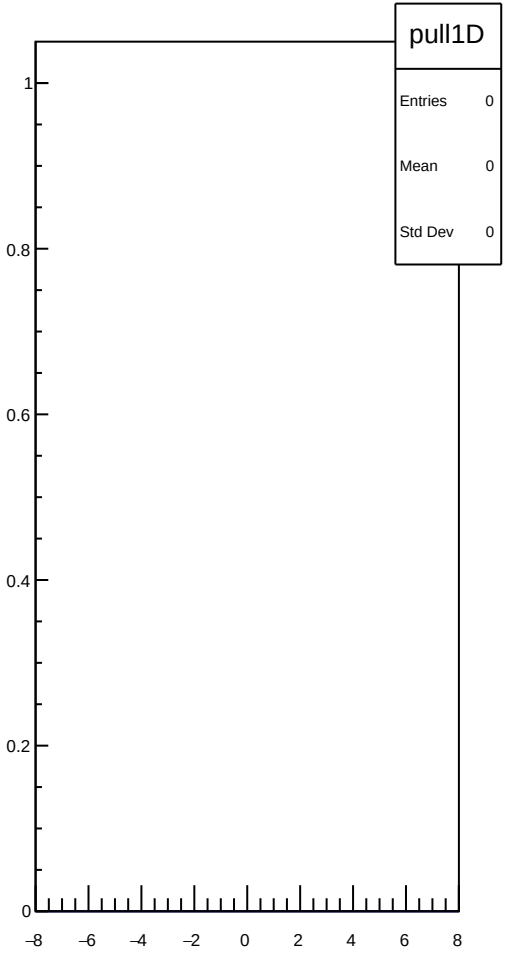
0
2
4
6
8


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


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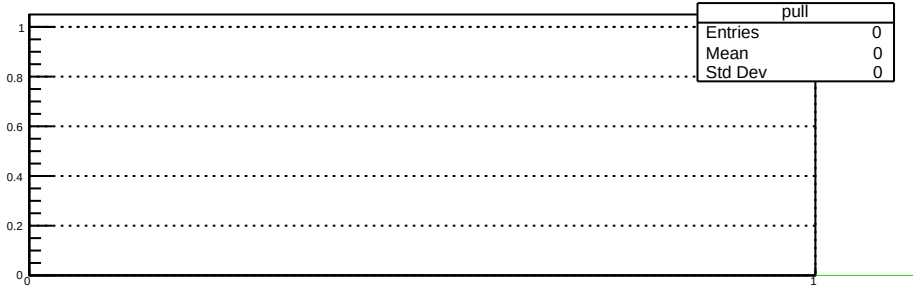
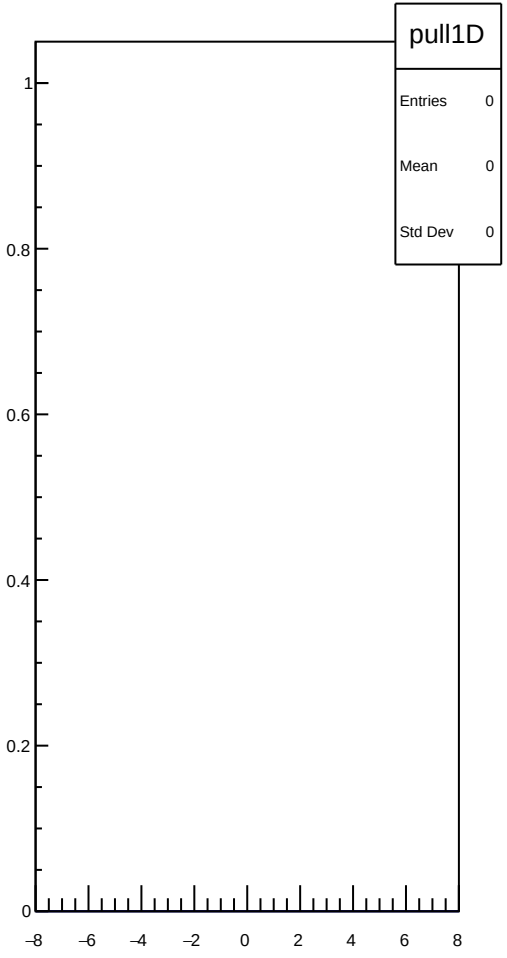
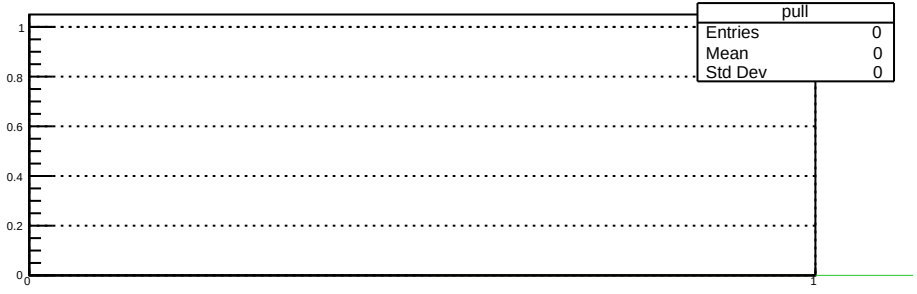
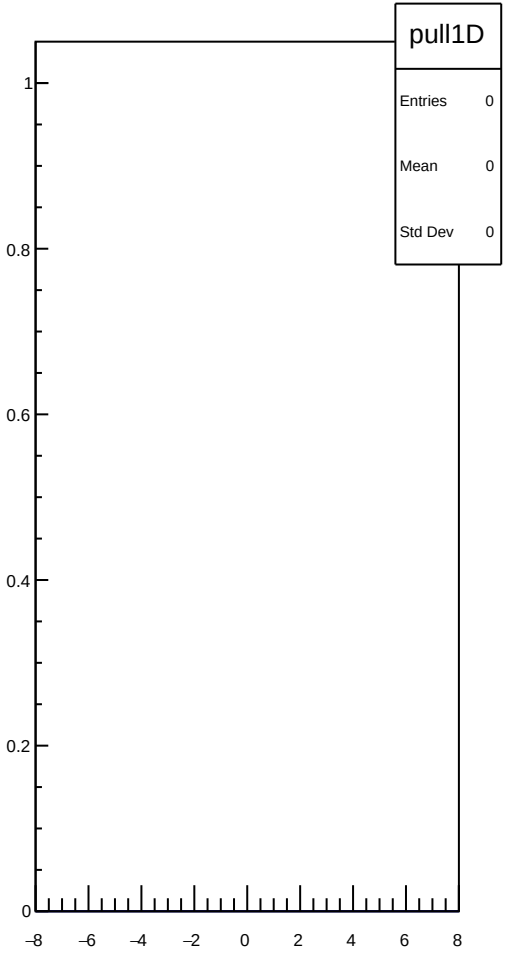
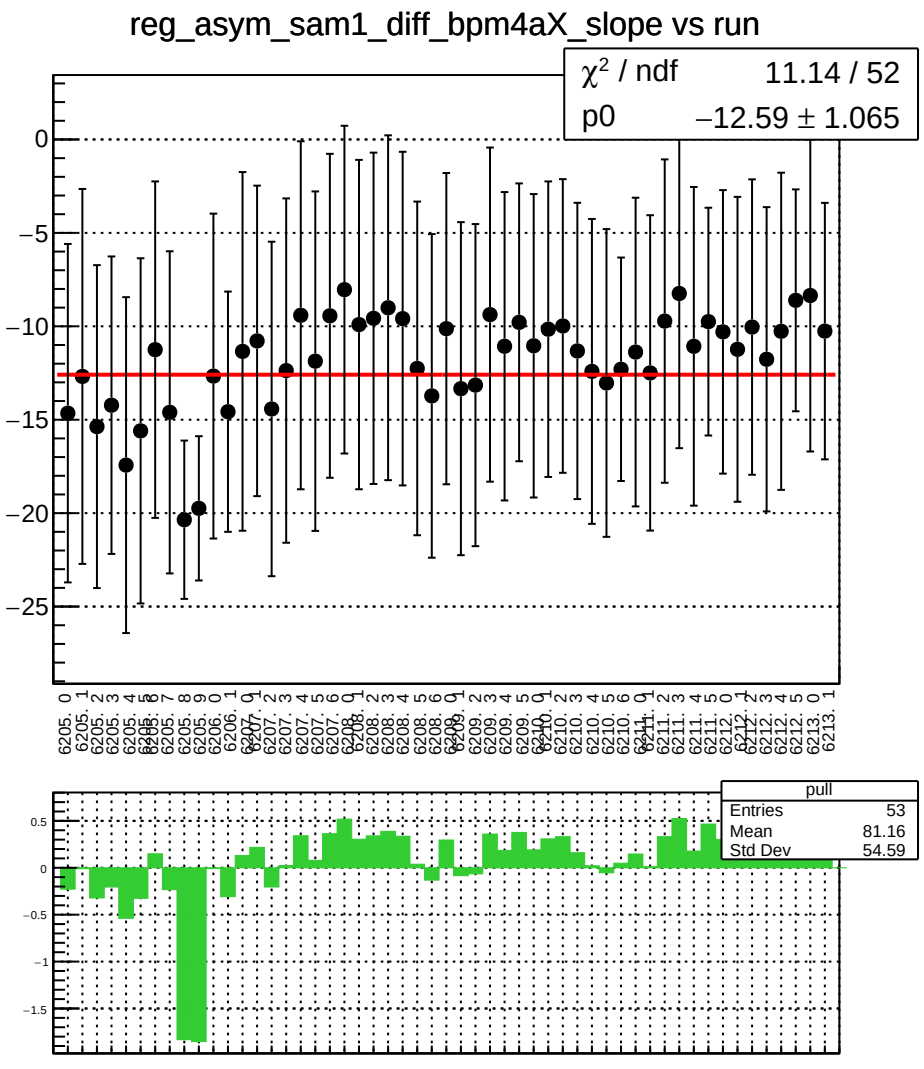
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

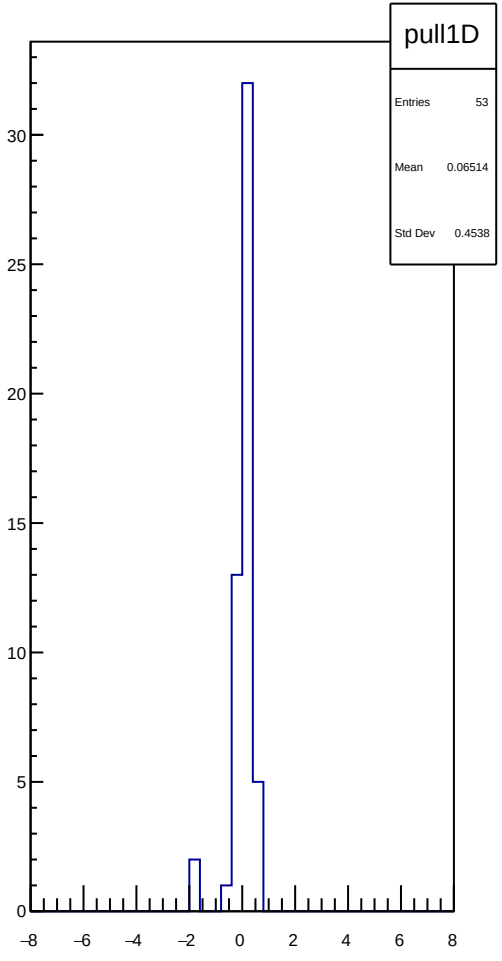

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

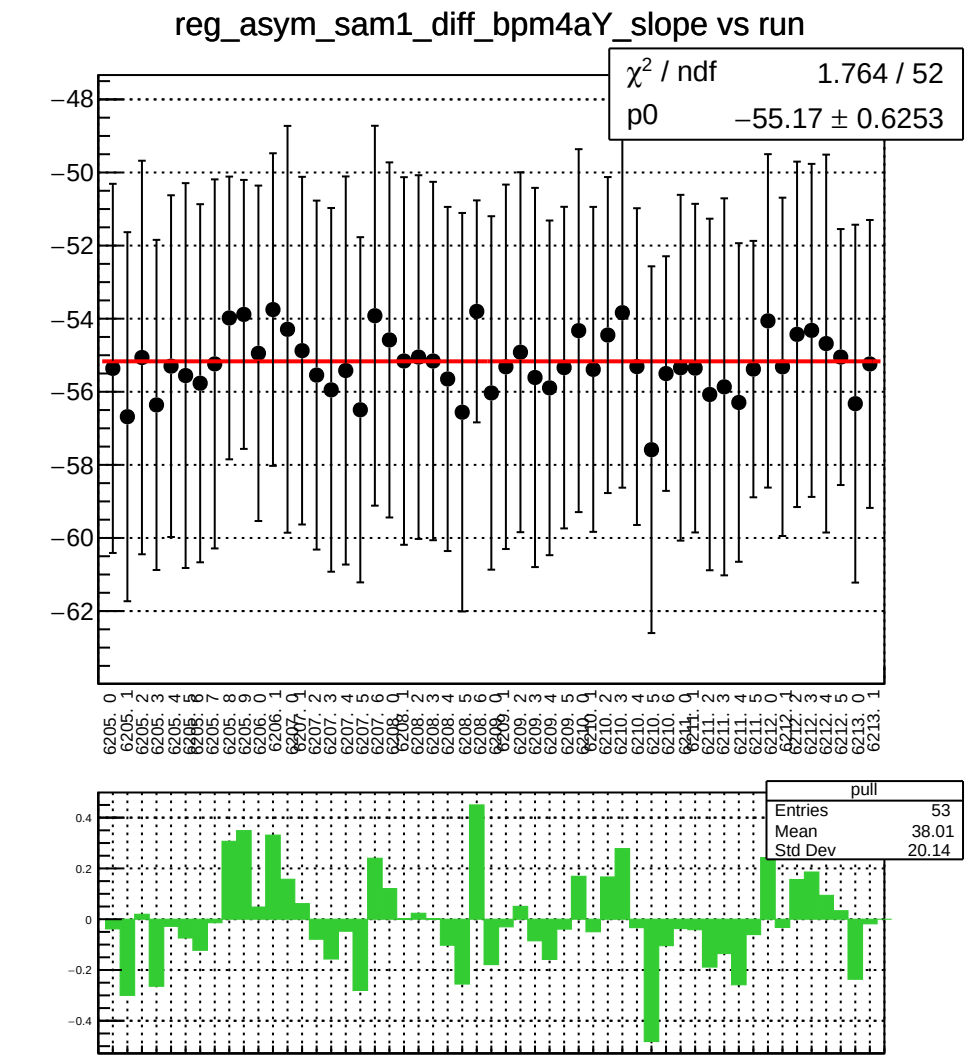

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

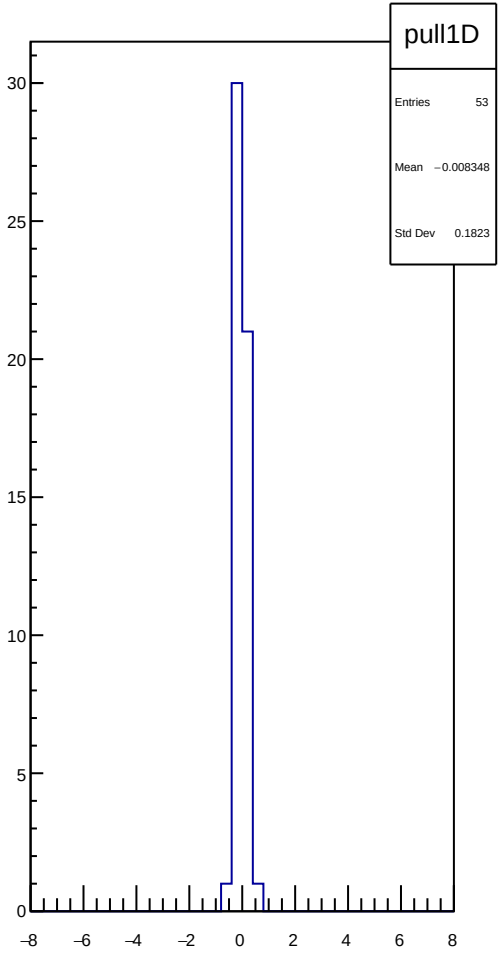

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

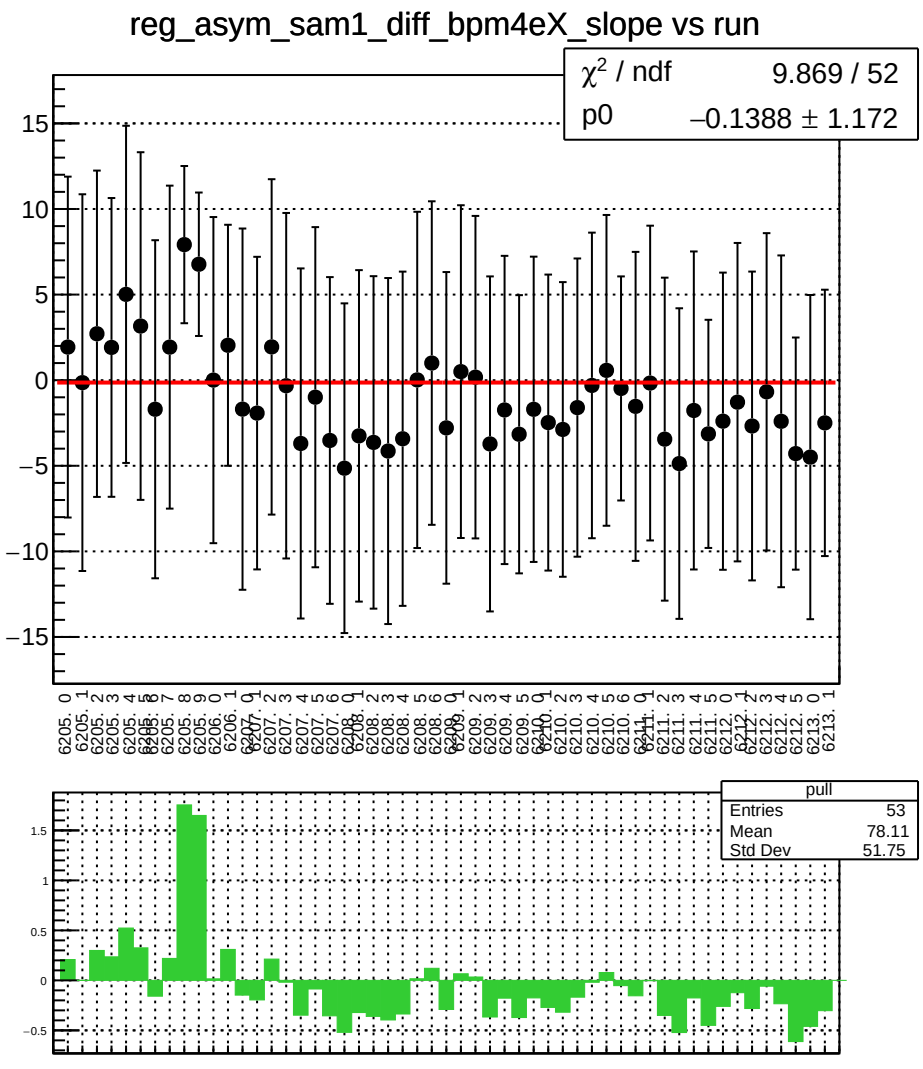

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

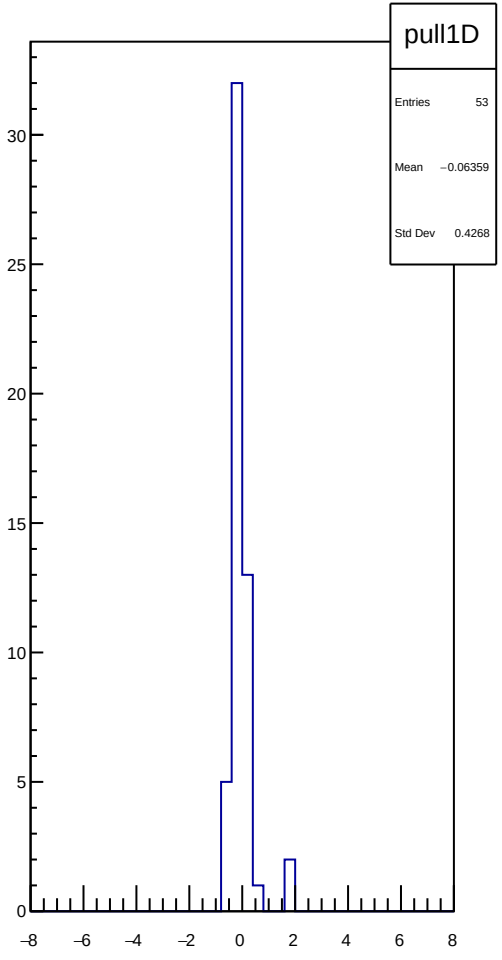

reg_asym_sam1_diff_bpm4aX_slope vs run
χ² / ndf 11.14 / 52
p0 −12.59 ± 1.065
pull
Entries 53
Mean 81.16
Std Dev 54.59

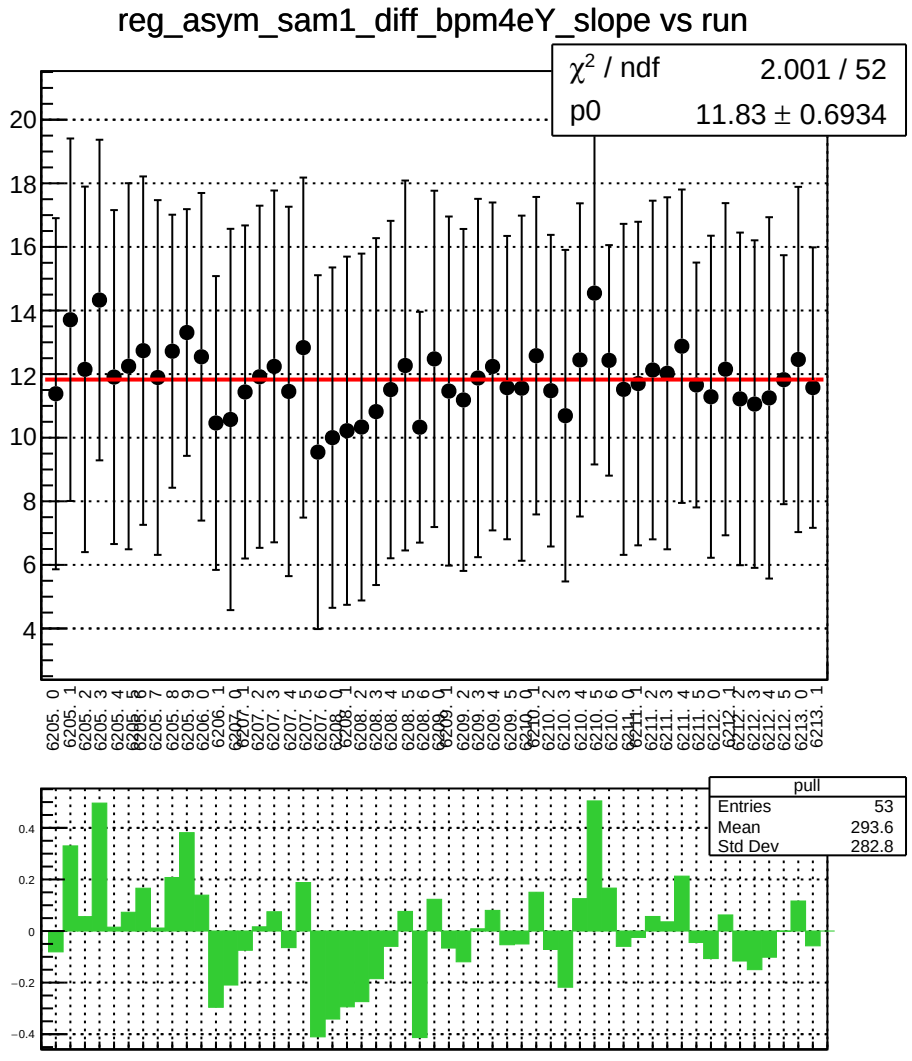

pull1D
Entries 53
Mean 0.06514
Std Dev 0.4538

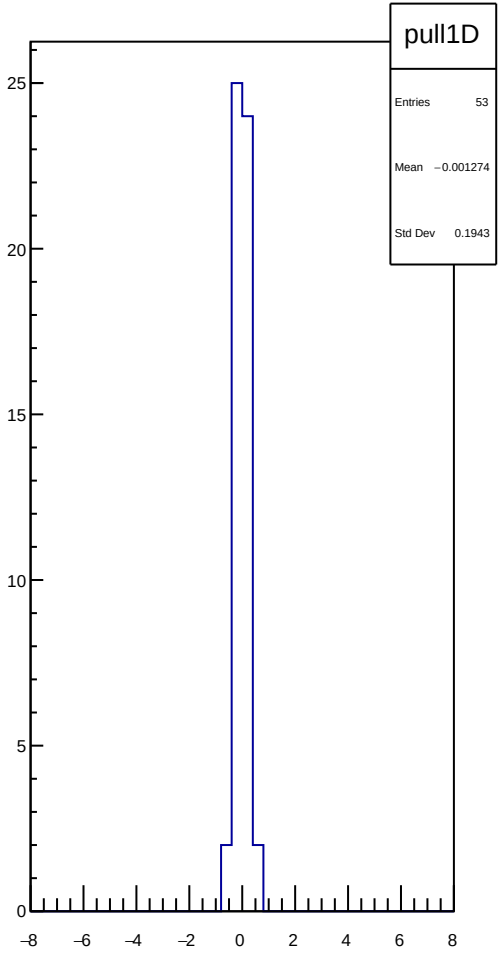

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 1.764 / 52
p0 −55.17 ± 0.6253
pull
Entries 53
Mean 38.01
Std Dev 20.14

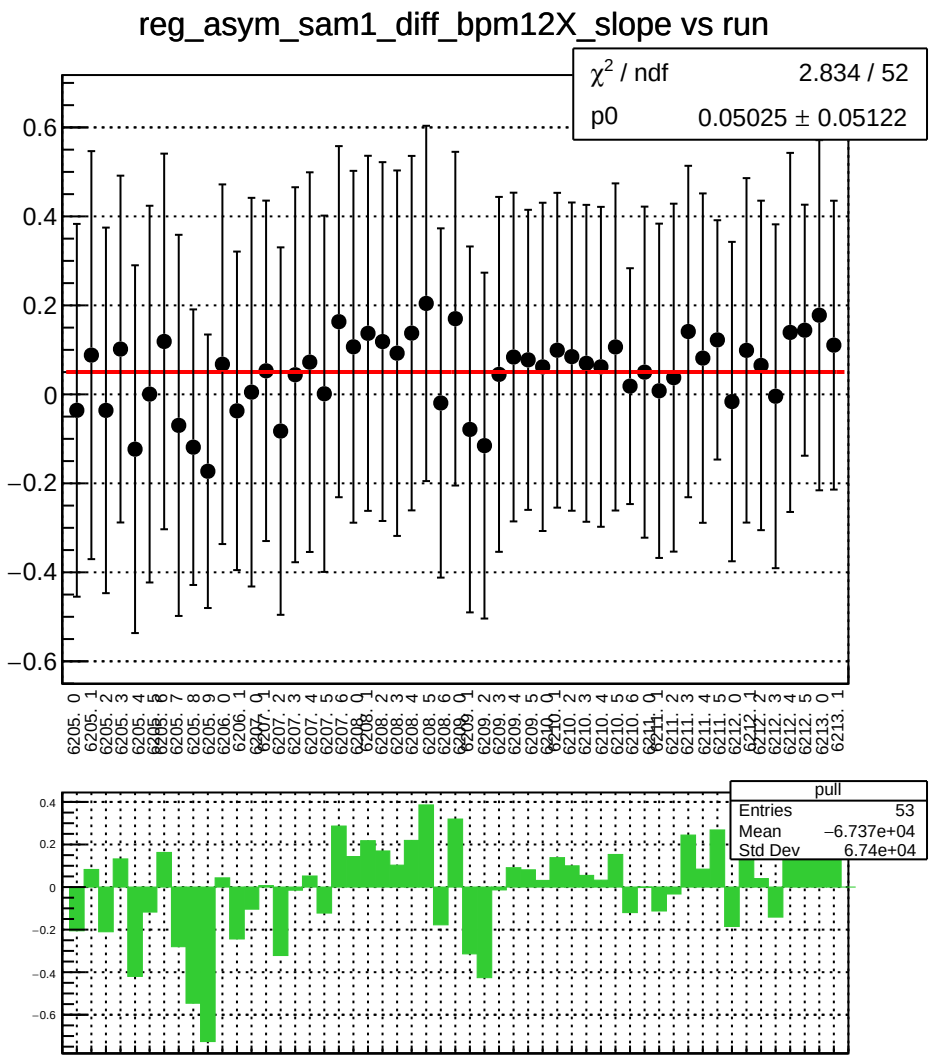

pull1D
Entries 53
Mean −0.008348
Std Dev 0.1823

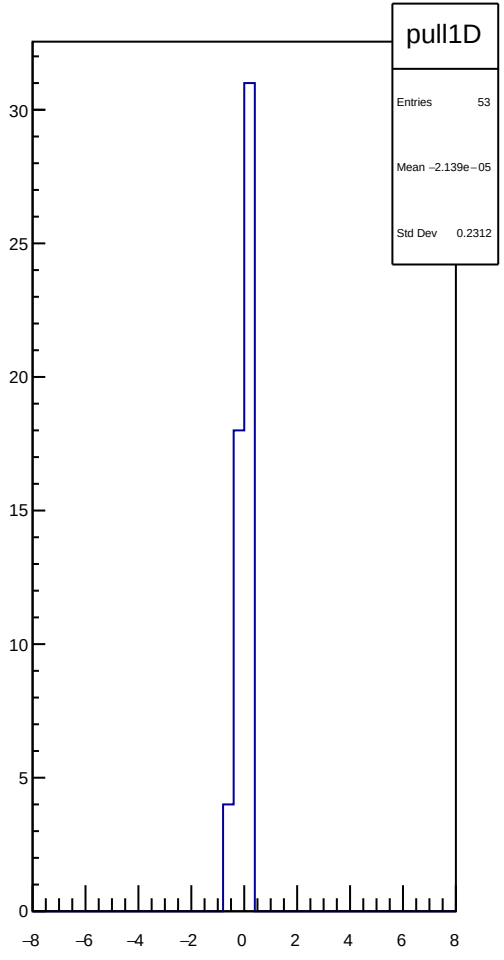

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 9.869 / 52
p0 −0.1388 ± 1.172
pull
Entries 53
Mean 78.11
Std Dev 51.75

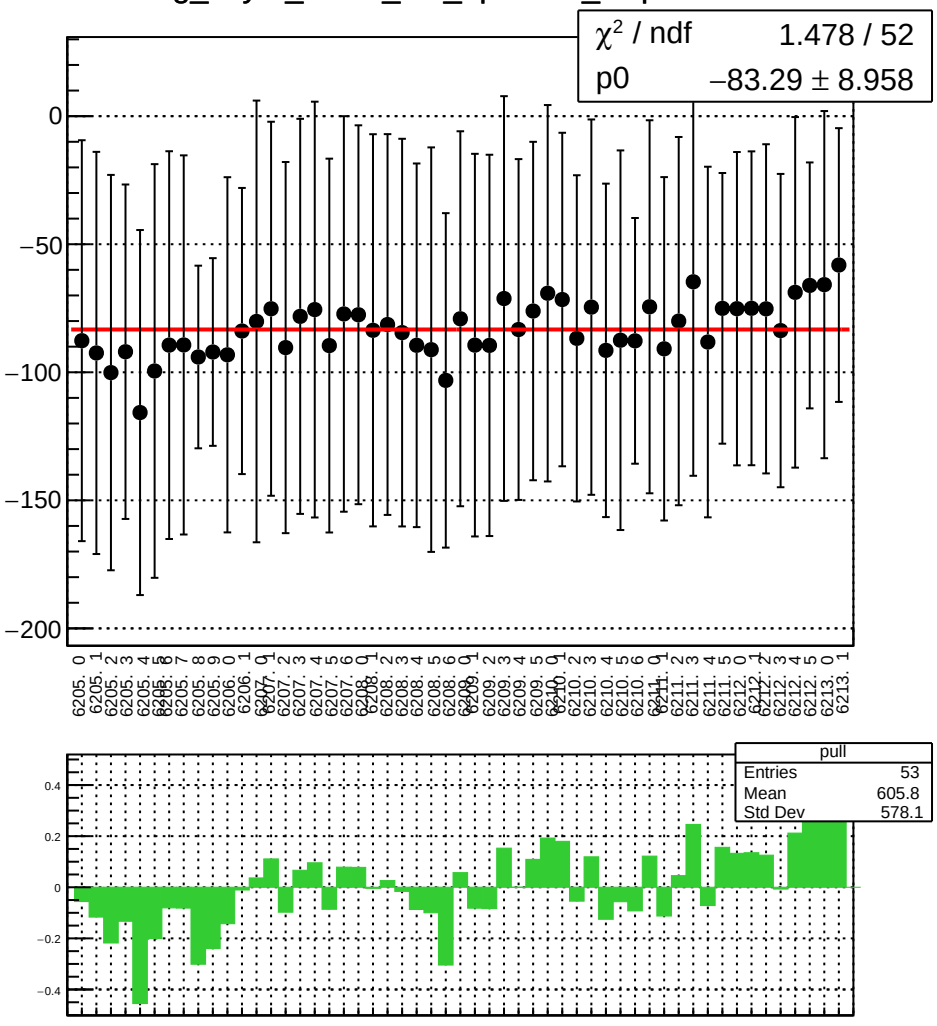

pull1D
Entries 53
Mean −0.06359
Std Dev 0.4268

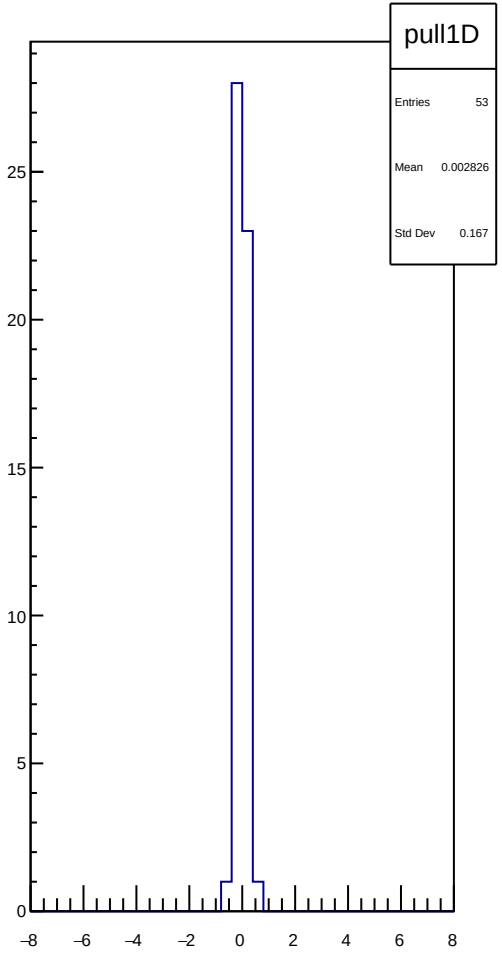

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 2.001 / 52
p0 11.83 ± 0.6934
pull
Entries 53
Mean 293.6
Std Dev 282.8

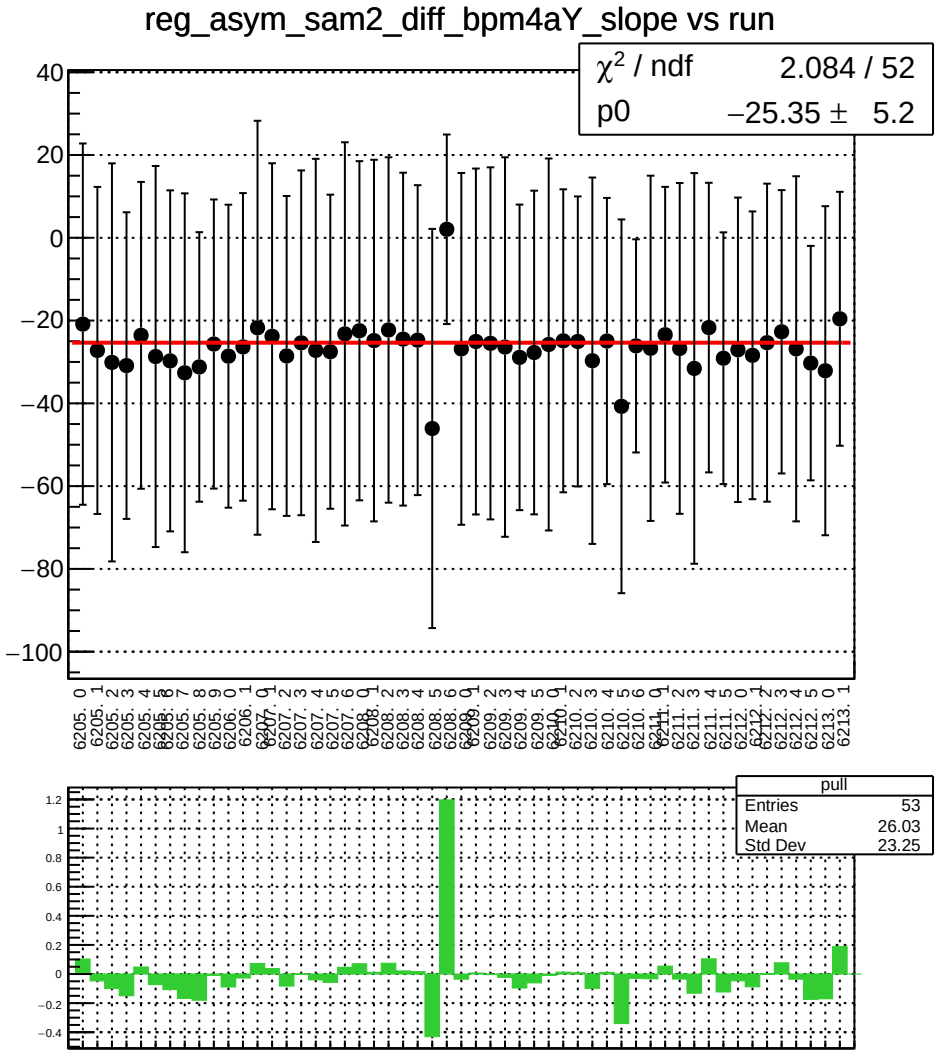

pull1D
Entries 53
Mean −0.001274
Std Dev 0.1943

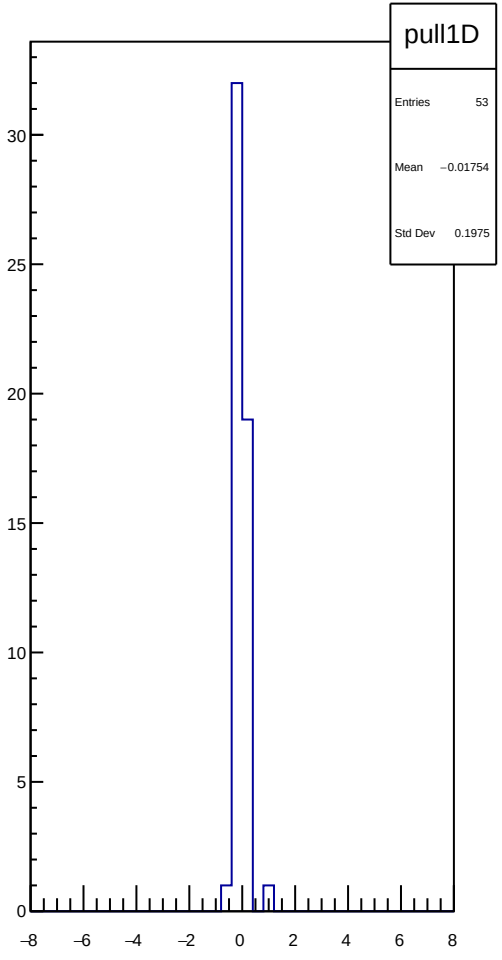

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 2.834 / 52
p0 0.05025 ± 0.05122
pull
Entries 53
Mean −6.737e+04
Std Dev 6.74e+04

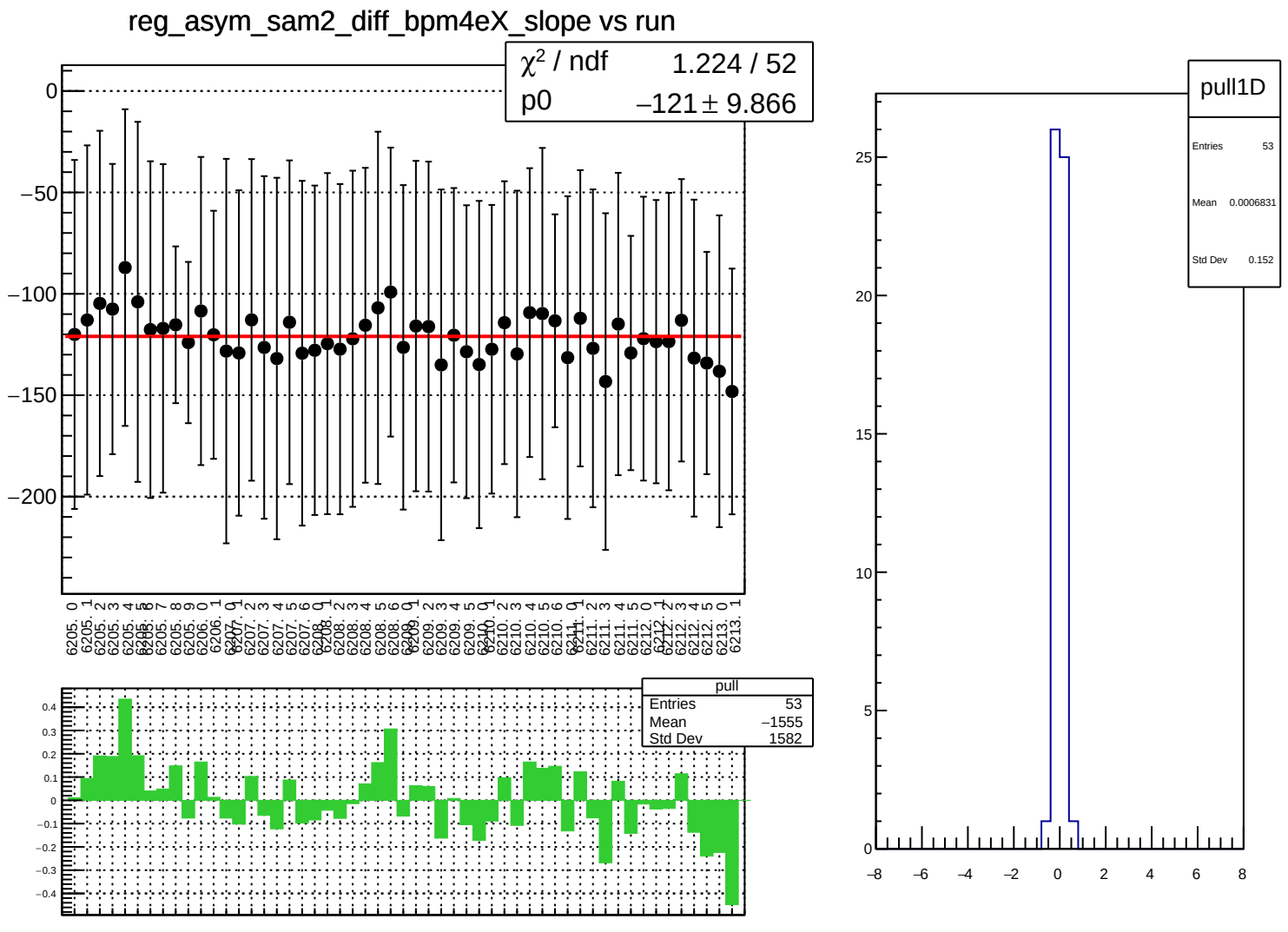

pull1D
Entries 53
Mean −2.139e−05
Std Dev 0.2312

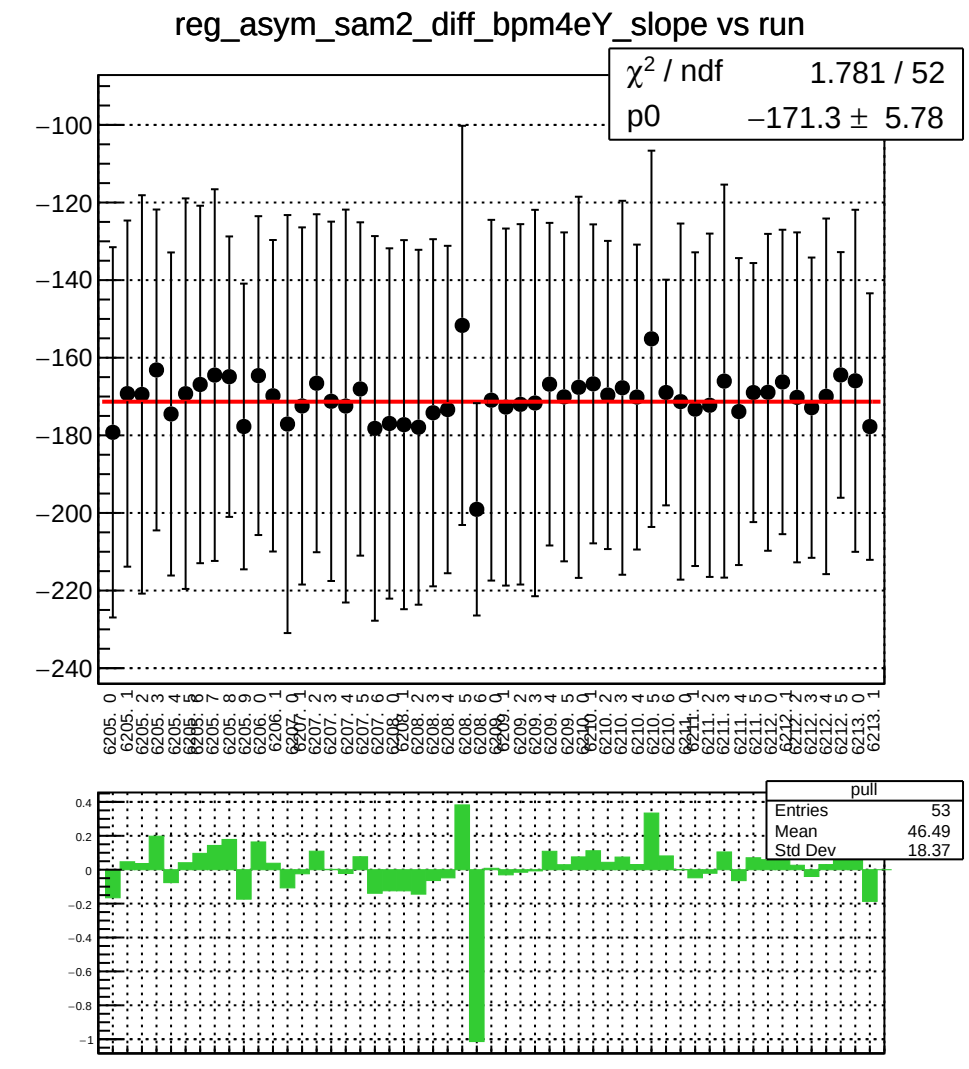

reg_asym_sam2_diff_bpm4aX_slope vs run
χ² / ndf 1.478 / 52
p0 −83.29 ± 8.958
pull
Entries 53
Mean 605.8
Std Dev 578.1

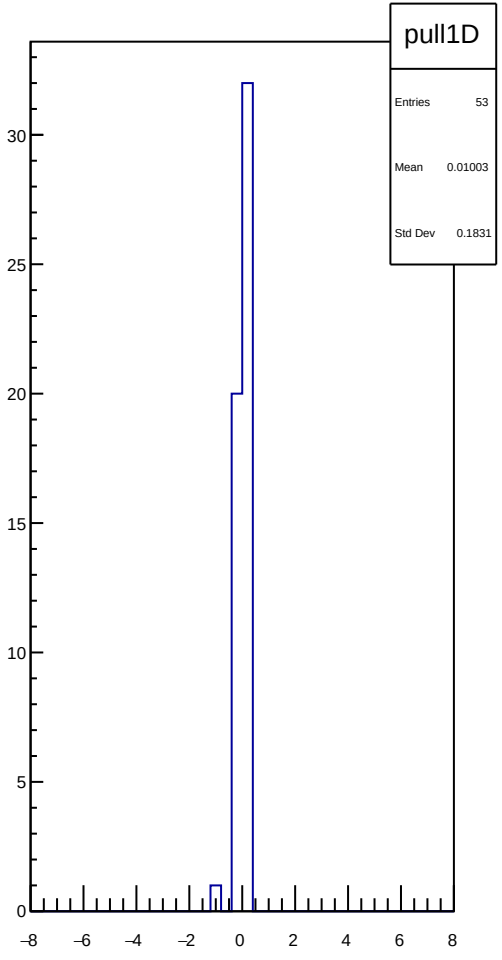

pull1D
Entries 53
Mean 0.002826
Std Dev 0.167

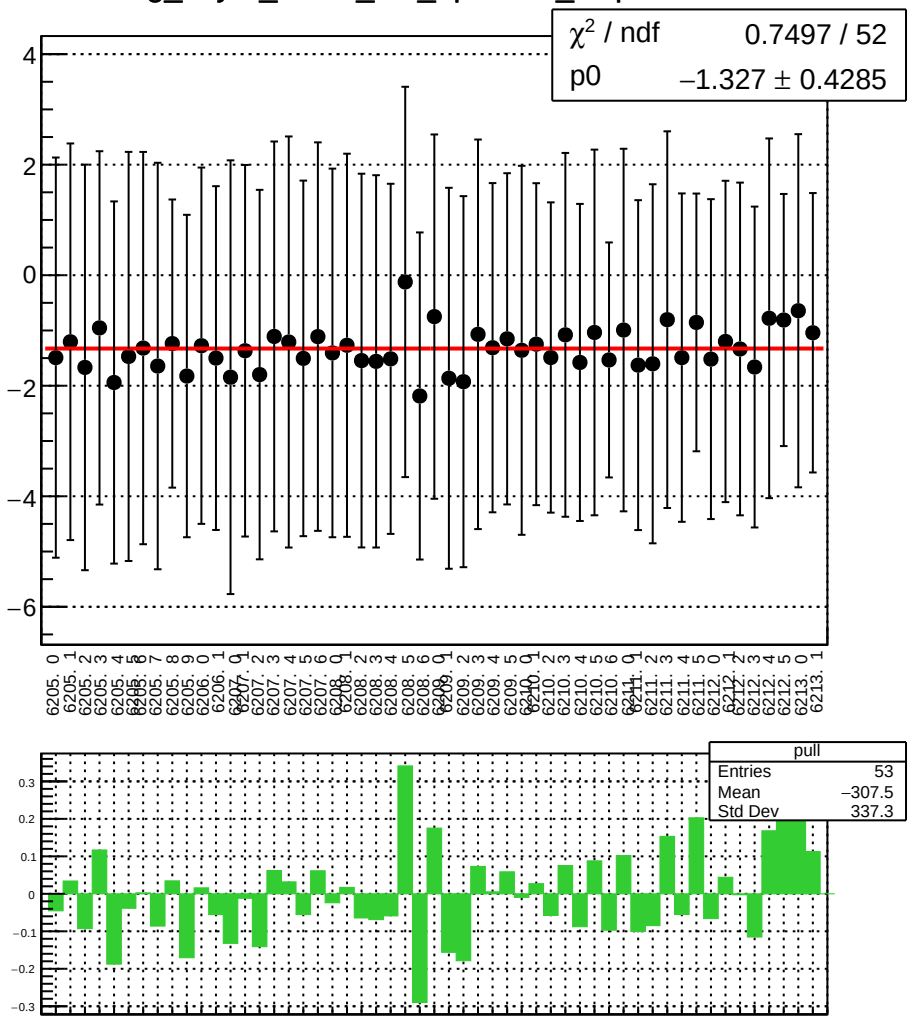

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 2.084 / 52
p0 −25.35 ± 5.2
pull
Entries 53
Mean 26.03
Std Dev 23.25

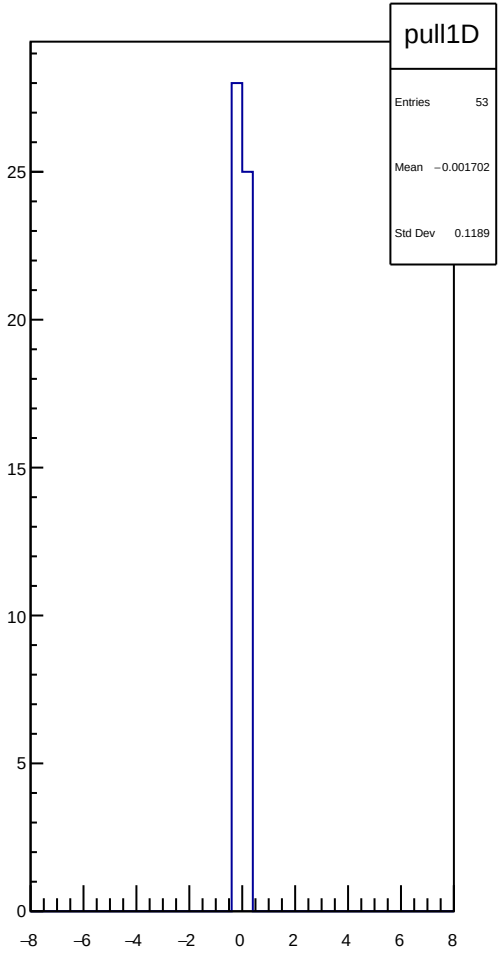

pull1D
Entries 53
Mean −0.01754
Std Dev 0.1975

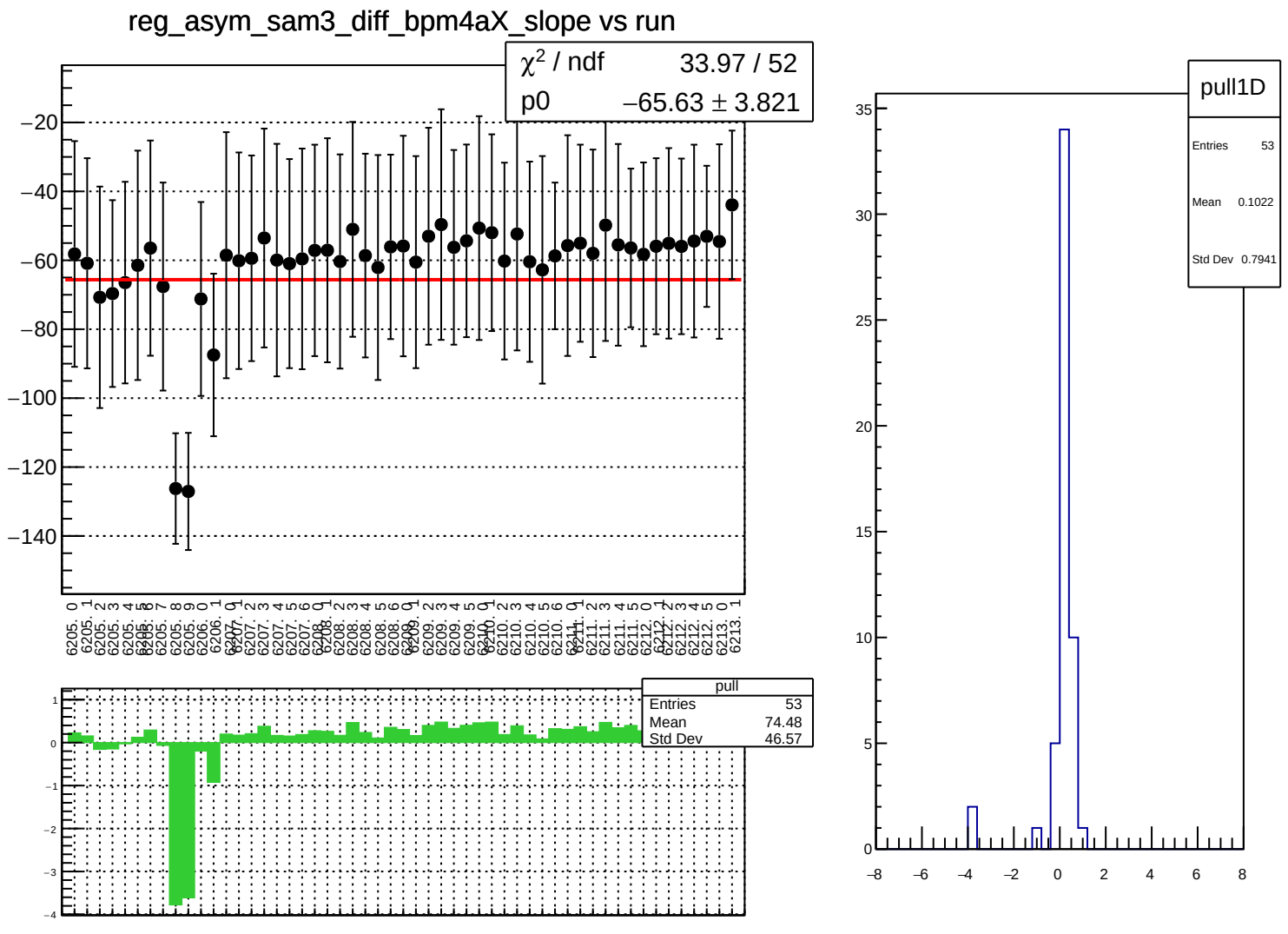

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 1.224 / 52
p0 −121 ± 9.866
pull
Entries 53
Mean −1555
Std Dev 1582
pull1D
Entries 53
Mean 0.0006831
Std Dev 0.152

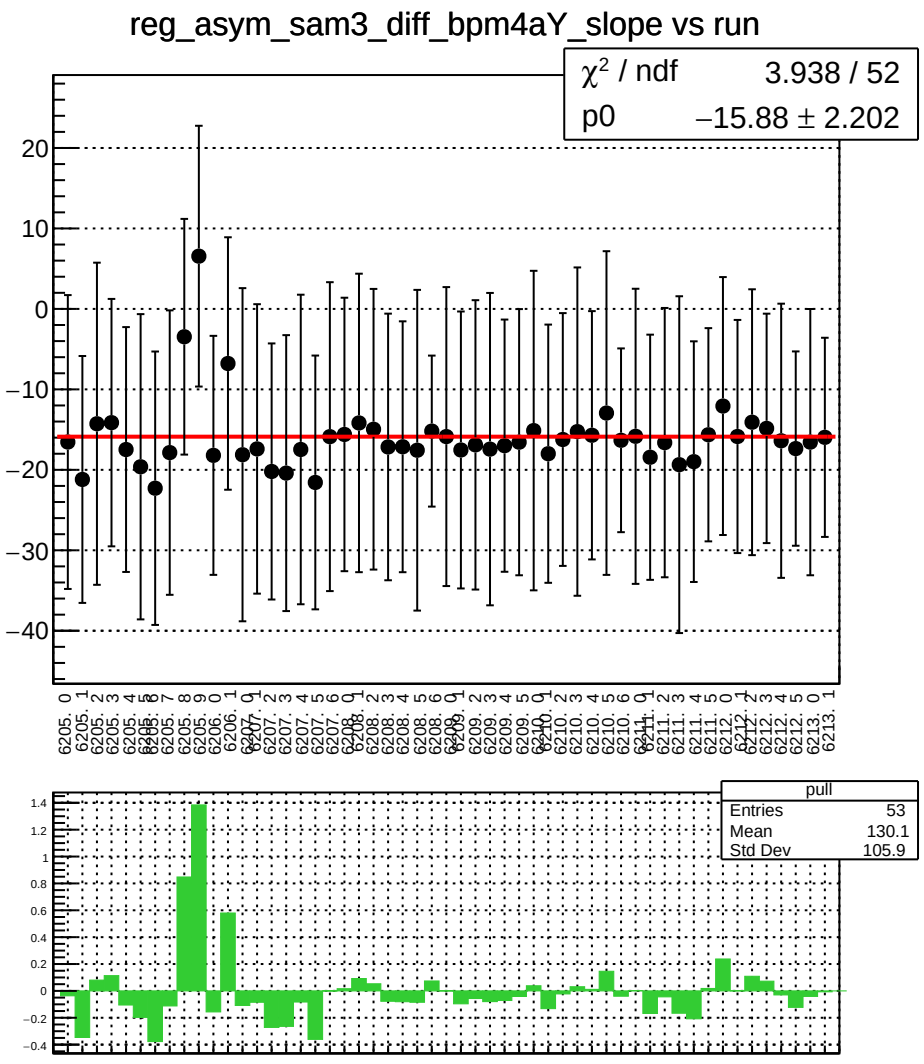

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 1.781 / 52
p0 −171.3 ± 5.78
pull
Entries 53
Mean 46.49
Std Dev 18.37

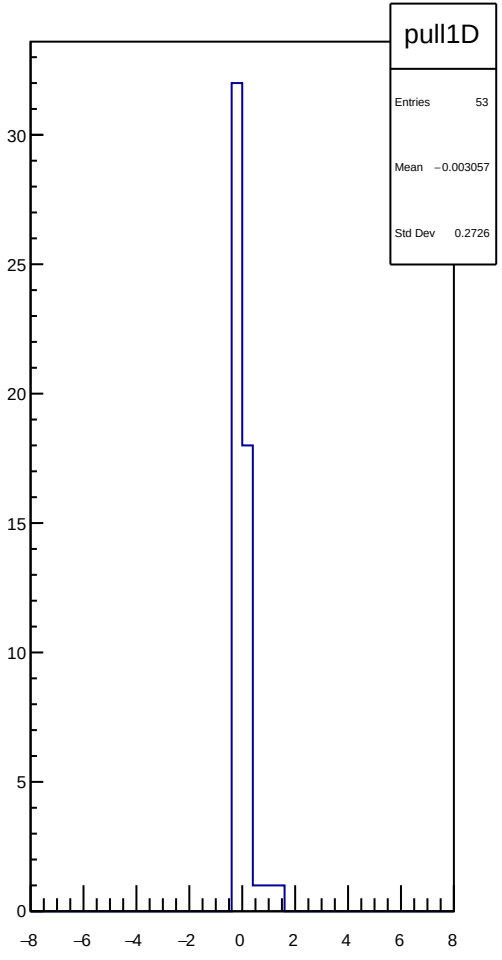

pull1D
Entries 53
Mean 0.01003
Std Dev 0.1831

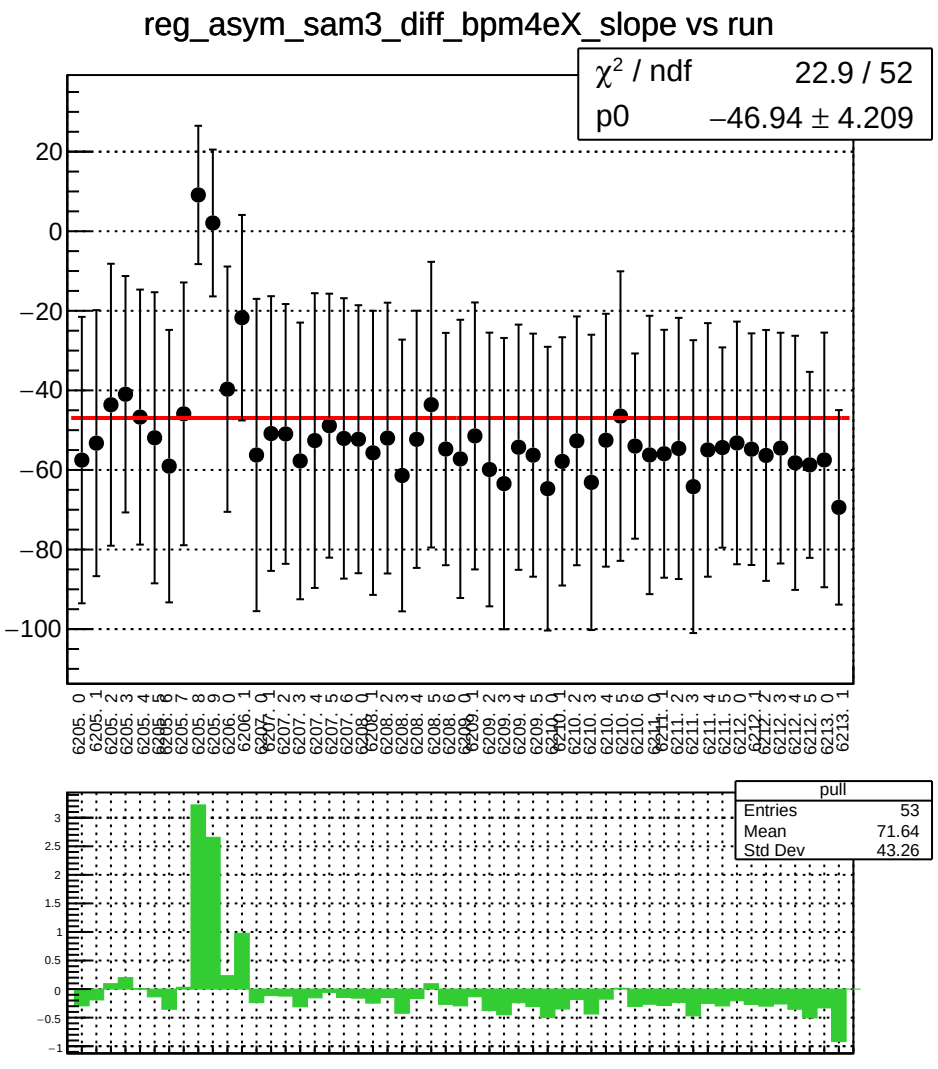

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 0.7497 / 52
p0 −1.327 ± 0.4285
pull
Entries 53
Mean −307.5
Std Dev 337.3

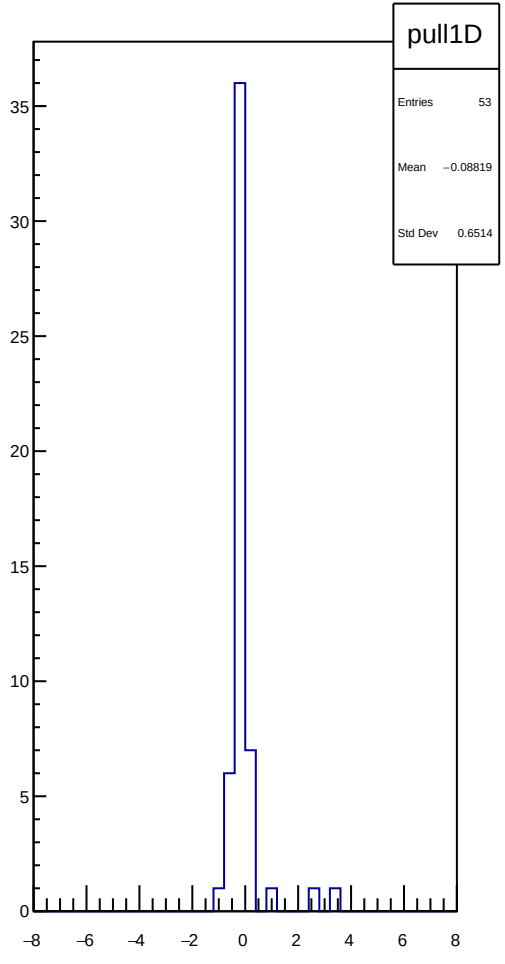

pull1D
Entries 53
Mean −0.001702
Std Dev 0.1189

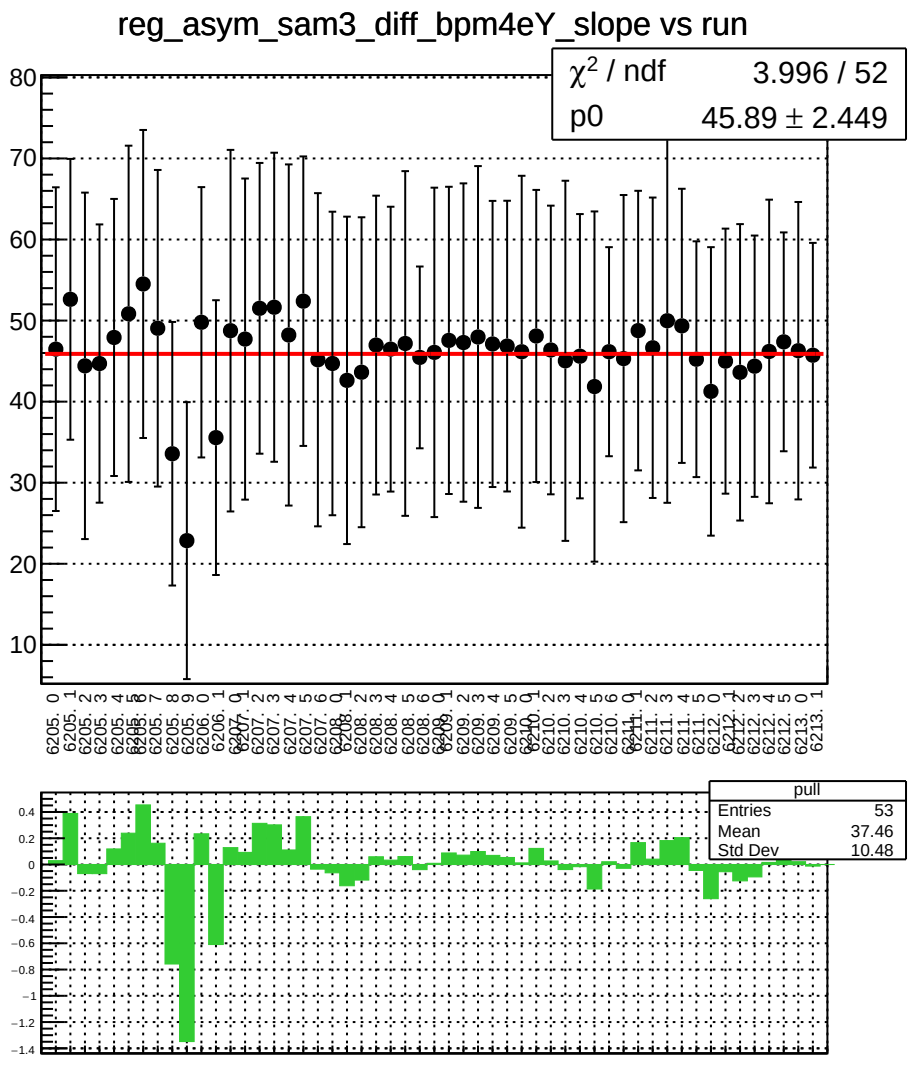

reg_asym_sam3_diff_bpm4aX_slope vs run
χ² / ndf 33.97 / 52
p0 −65.63 ± 3.821
pull
Entries 53
Mean 74.48
Std Dev 46.57
pull1D
Entries 53
Mean 0.1022
Std Dev 0.7941

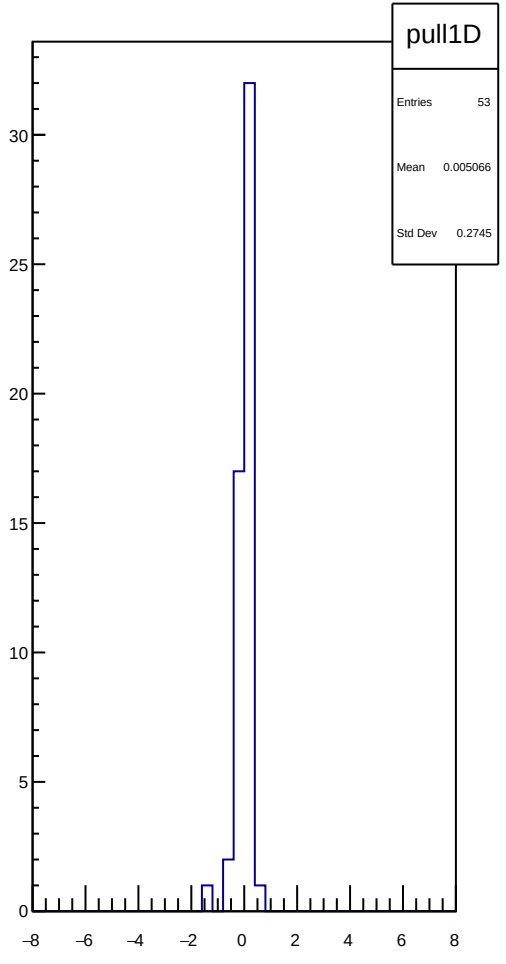

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 3.938 / 52
p0 −15.88 ± 2.202
pull
Entries 53
Mean 130.1
Std Dev 105.9

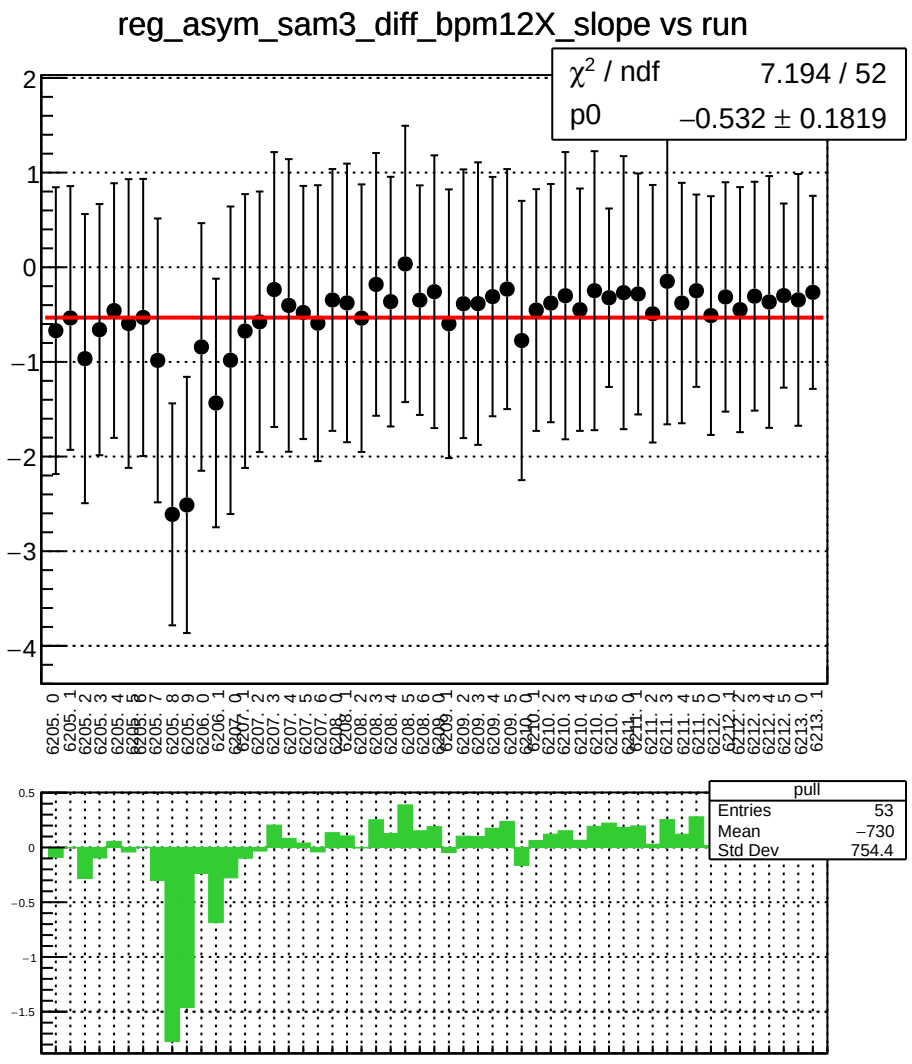

pull1D
Entries 53
Mean −0.003057
Std Dev 0.2726

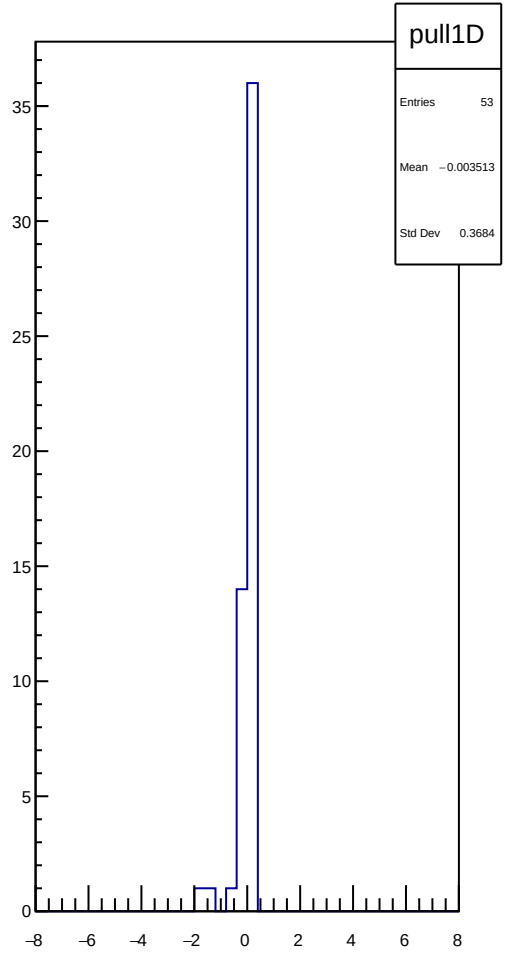

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 22.9 / 52
p0 −46.94 ± 4.209
pull
Entries 53
Mean 71.64
Std Dev 43.26

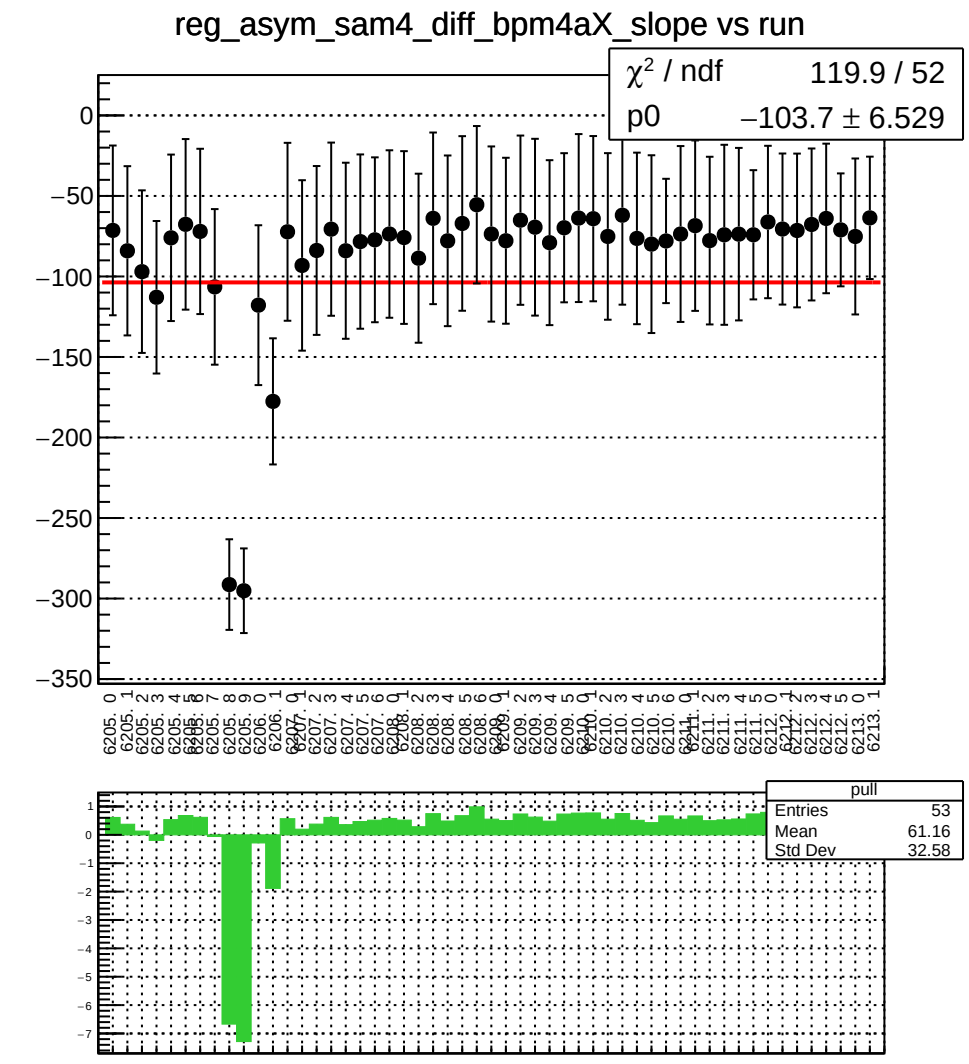

pull1D
Entries 53
Mean −0.08819
Std Dev 0.6514

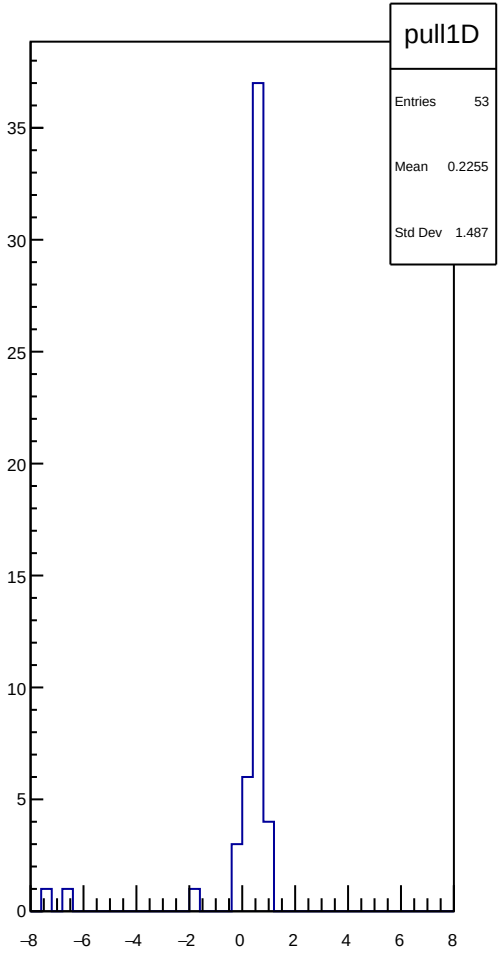

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 3.996 / 52
p0 45.89 ± 2.449
pull
Entries 53
Mean 37.46
Std Dev 10.48

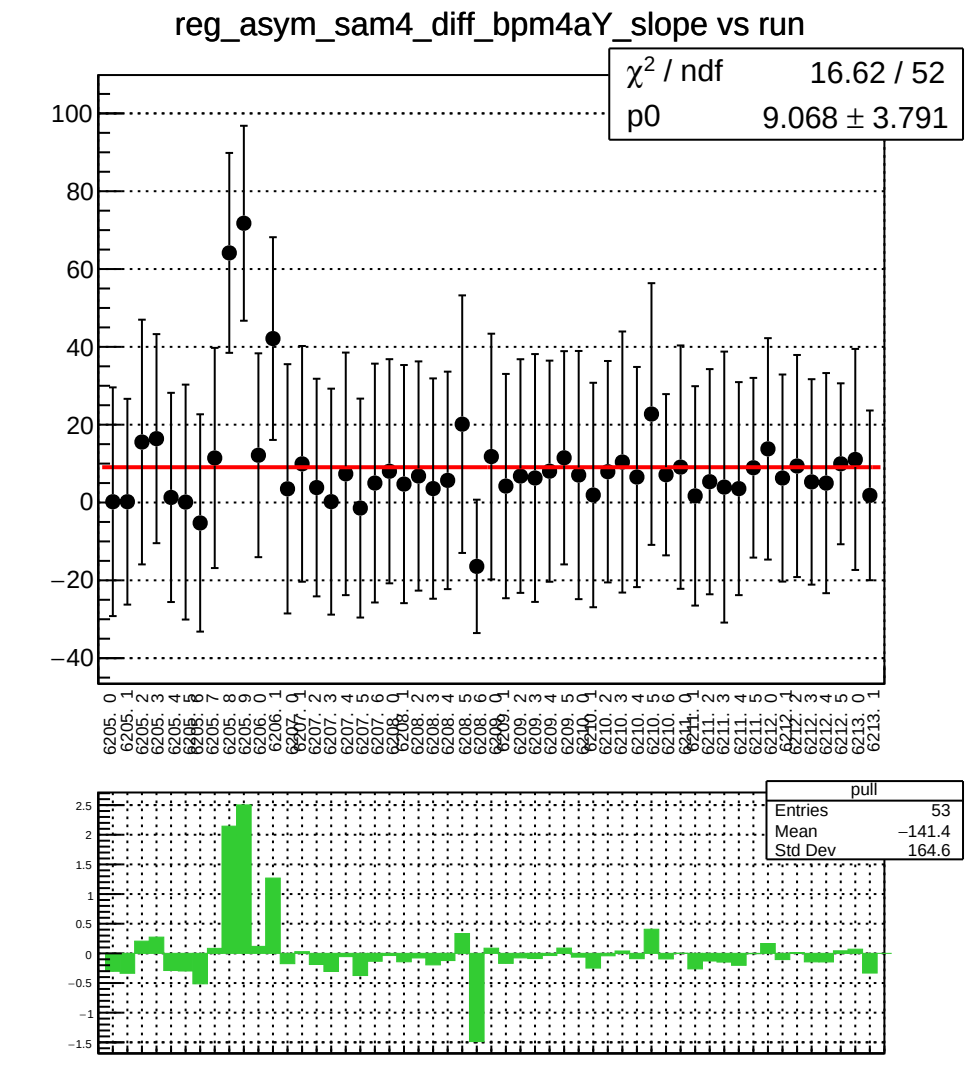

pull1D
Entries 53
Mean 0.005066
Std Dev 0.2745

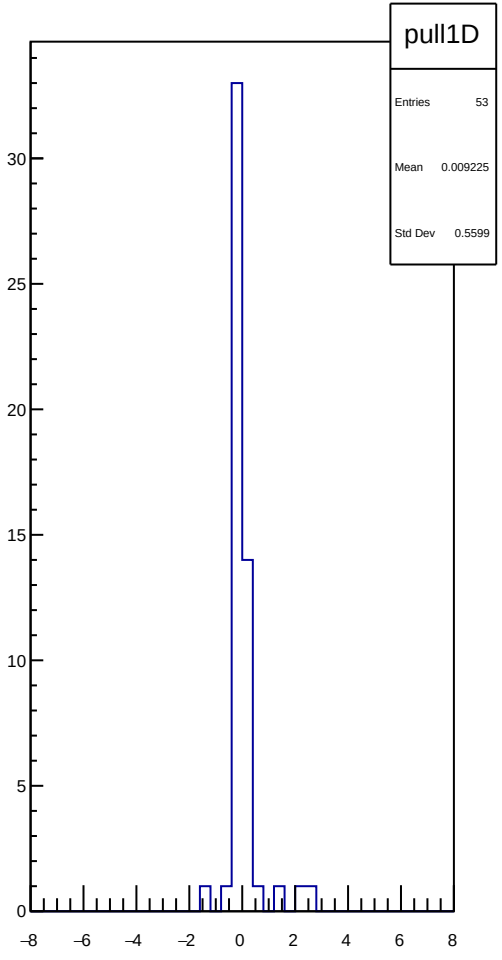

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 7.194 / 52
p0 −0.532 ± 0.1819
pull
Entries 53
Mean −730
Std Dev 754.4

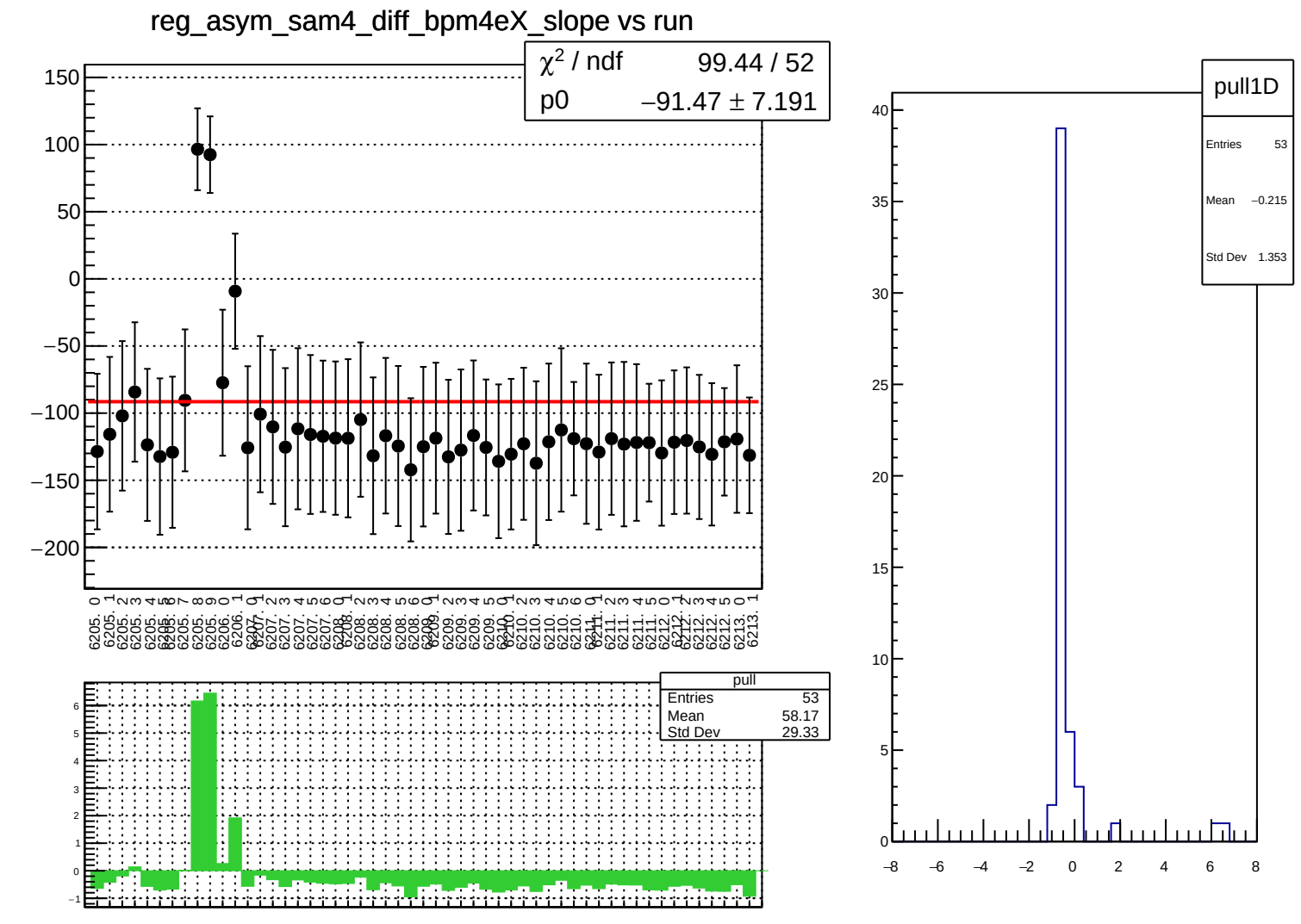

pull1D
Entries 53
Mean −0.003513
Std Dev 0.3684

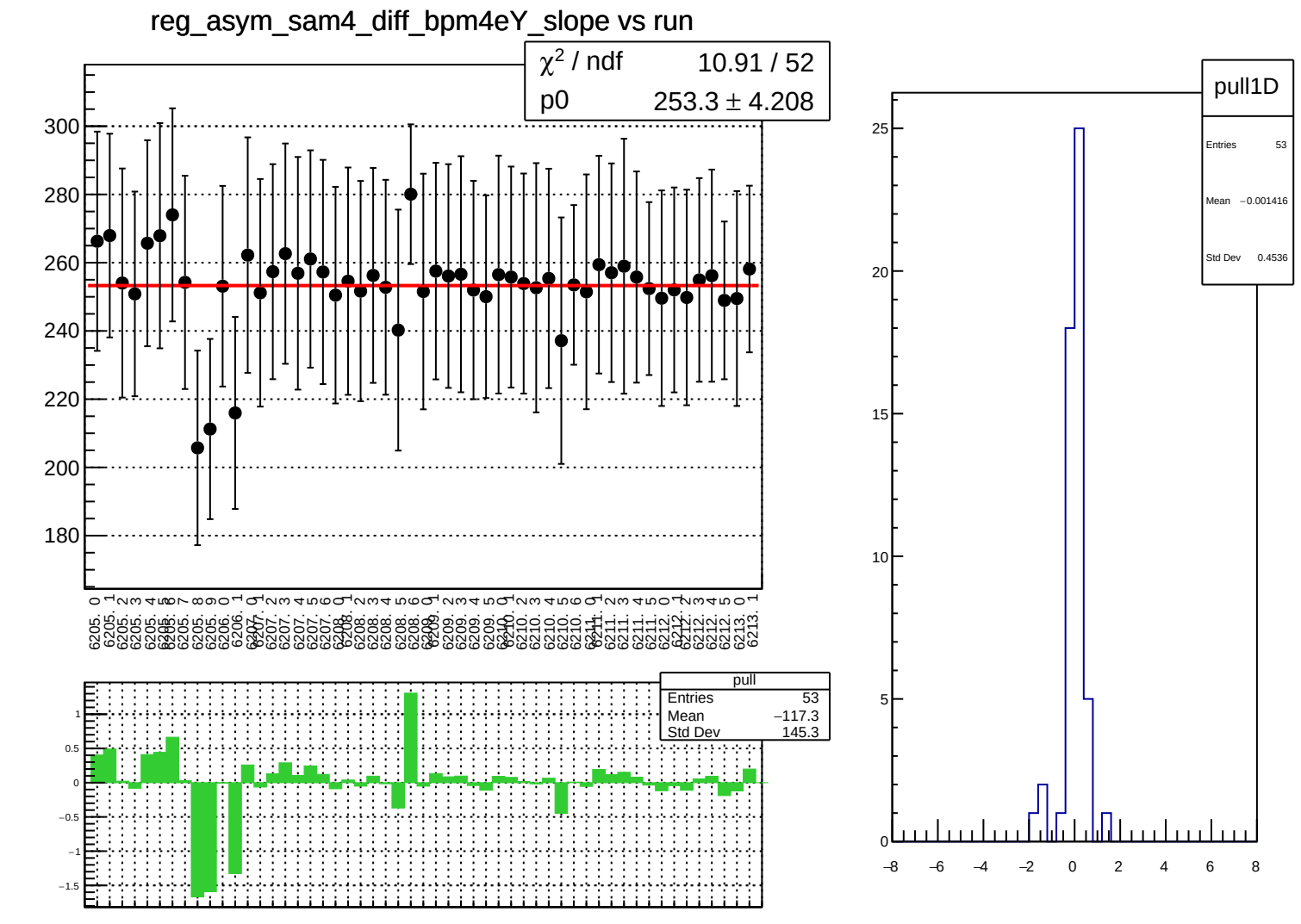

reg_asym_sam4_diff_bpm4aX_slope vs run
χ² / ndf 119.9 / 52
p0 −103.7 ± 6.529
pull
Entries 53
Mean 61.16
Std Dev 32.58

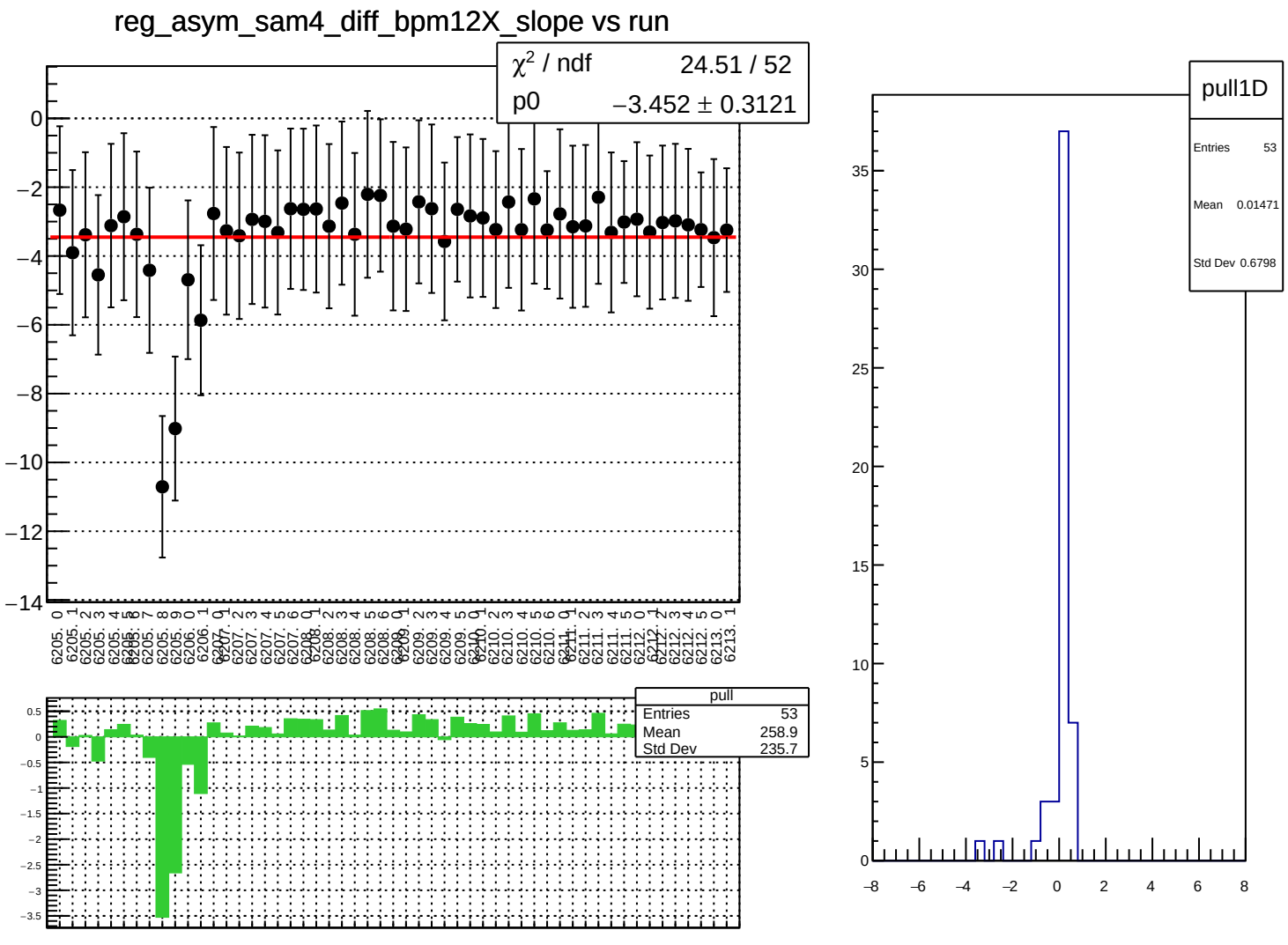

pull1D
Entries 53
Mean 0.2255
Std Dev 1.487

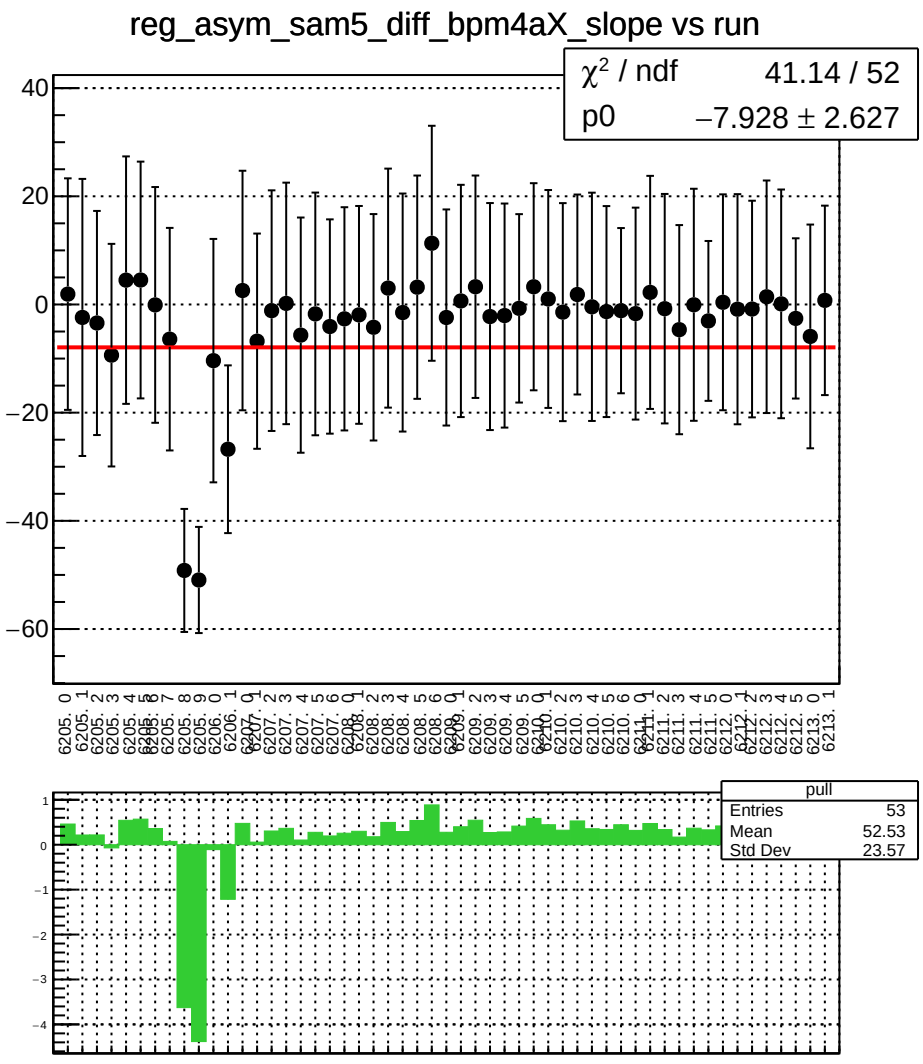

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 16.62 / 52
p0 9.068 ± 3.791
pull
Entries 53
Mean −141.4
Std Dev 164.6

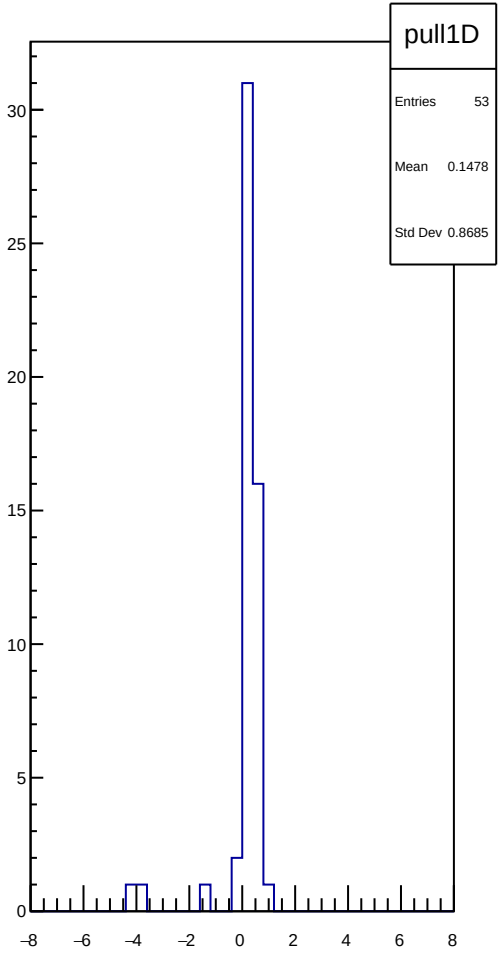

pull1D
Entries 53
Mean 0.009225
Std Dev 0.5599

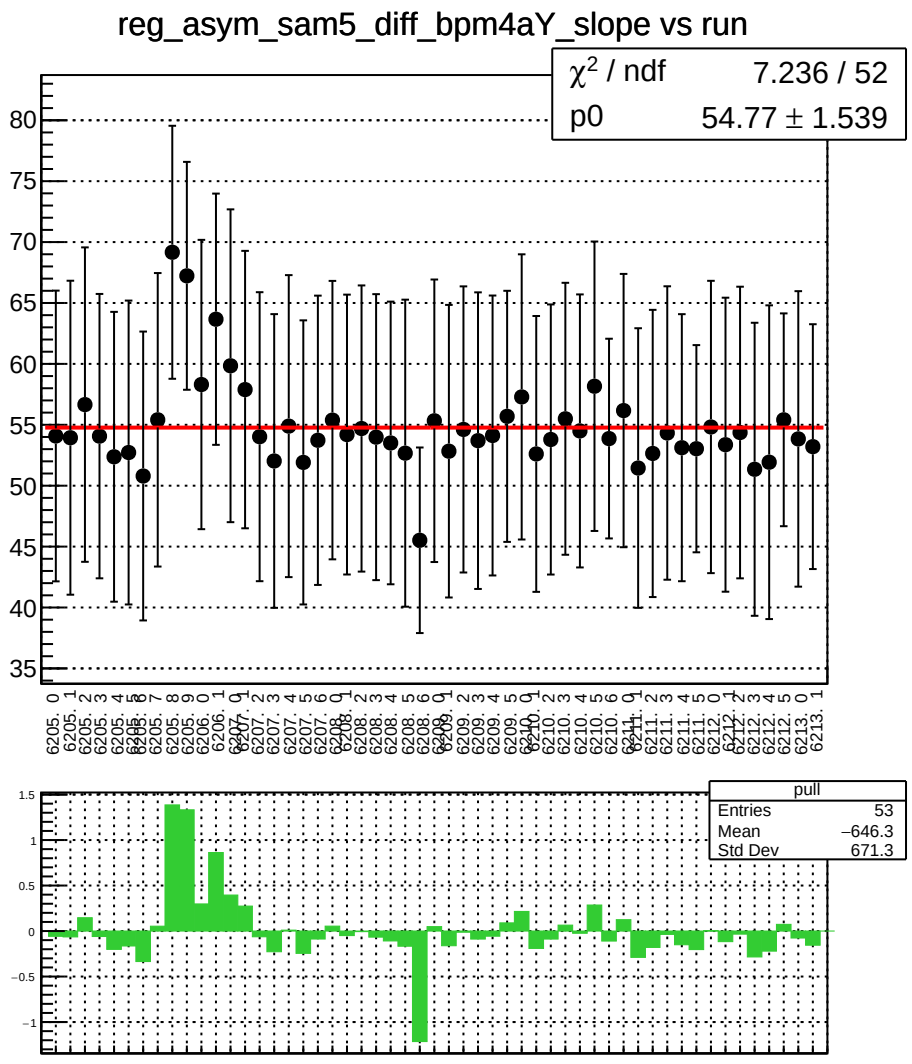

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 99.44 / 52
p0 −91.47 ± 7.191
pull
Entries 53
Mean 58.17
Std Dev 29.33
pull1D
Entries 53
Mean −0.215
Std Dev 1.353

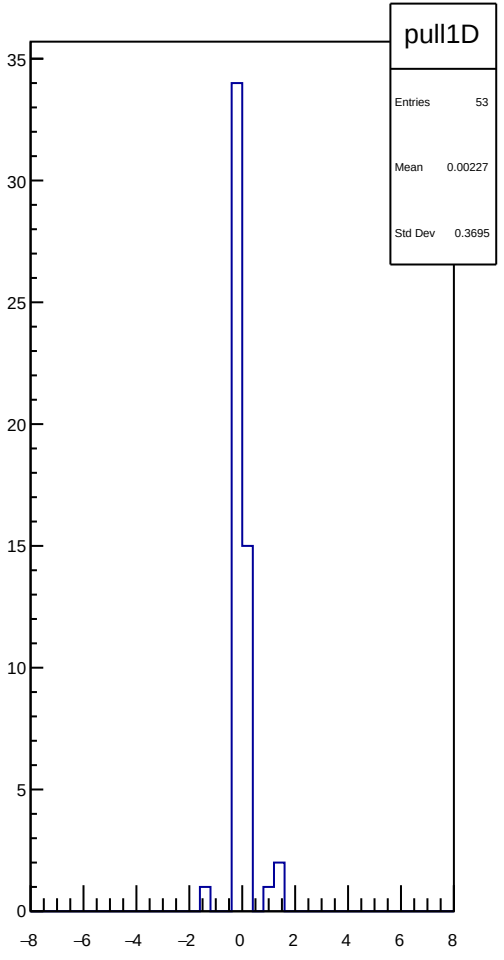

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 10.91 / 52
p0 253.3 ± 4.208
pull
Entries 53
Mean −117.3
Std Dev 145.3
pull1D
Entries 53
Mean −0.001416
Std Dev 0.4536

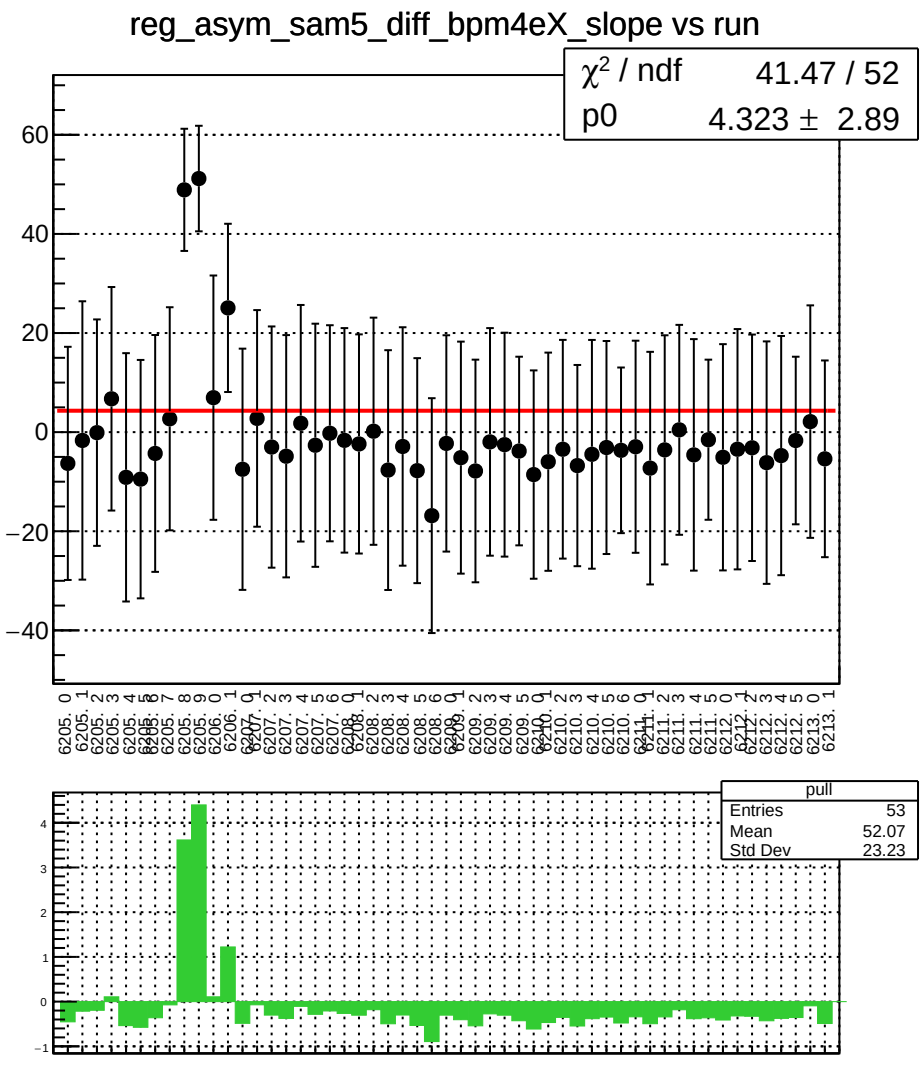

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 24.51 / 52
p0 −3.452 ± 0.3121
pull
Entries 53
Mean 258.9
Std Dev 235.7
pull1D
Entries 53
Mean 0.01471
Std Dev 0.6798

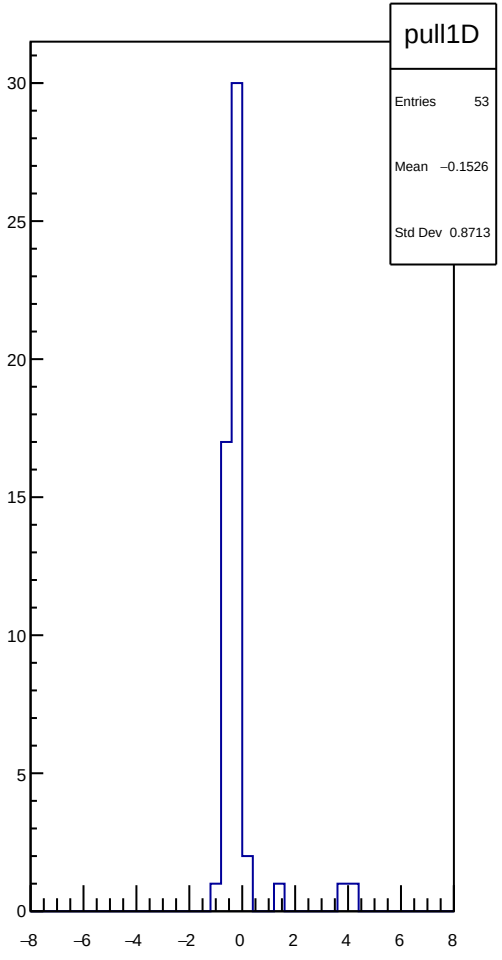

reg_asym_sam5_diff_bpm4aX_slope vs run
χ² / ndf 41.14 / 52
p0 −7.928 ± 2.627
pull
Entries 53
Mean 52.53
Std Dev 23.57

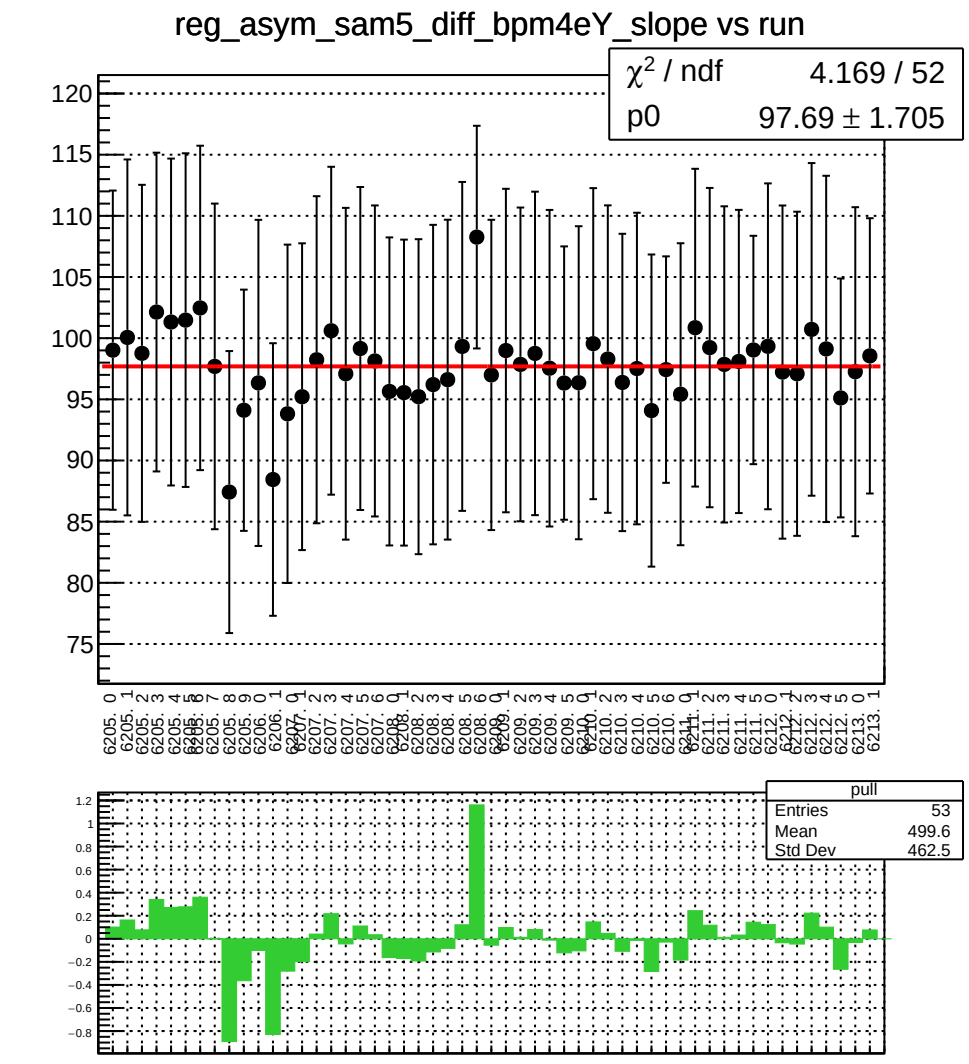

pull1D
Entries 53
Mean 0.1478
Std Dev 0.8685

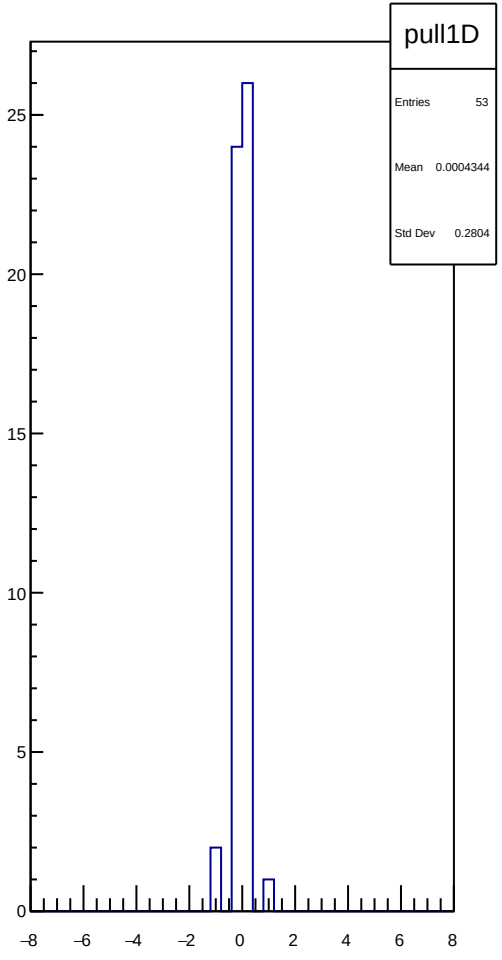

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 7.236 / 52
p0 54.77 ± 1.539
pull
Entries 53
Mean −646.3
Std Dev 671.3

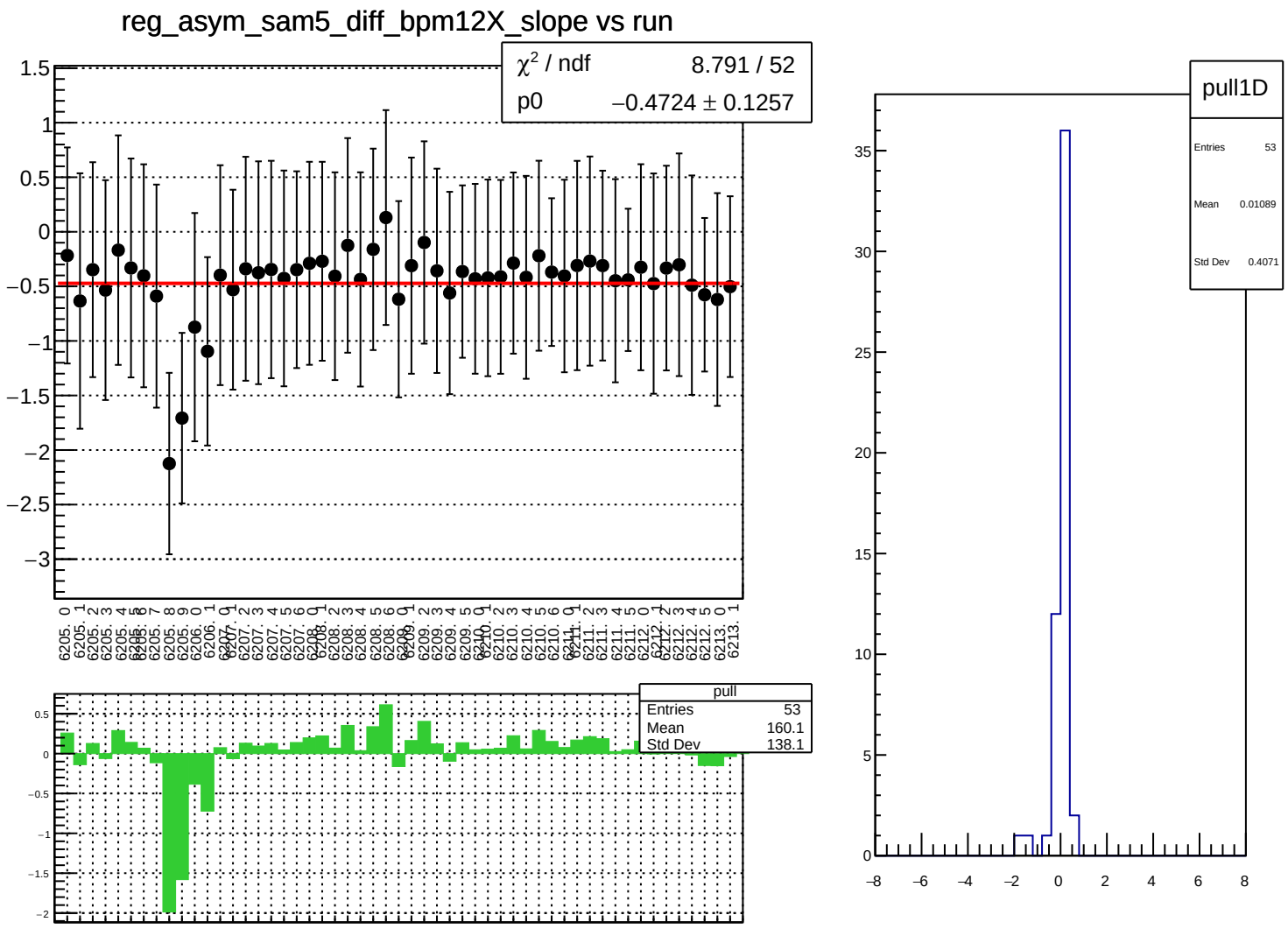

pull1D
Entries 53
Mean 0.00227
Std Dev 0.3695

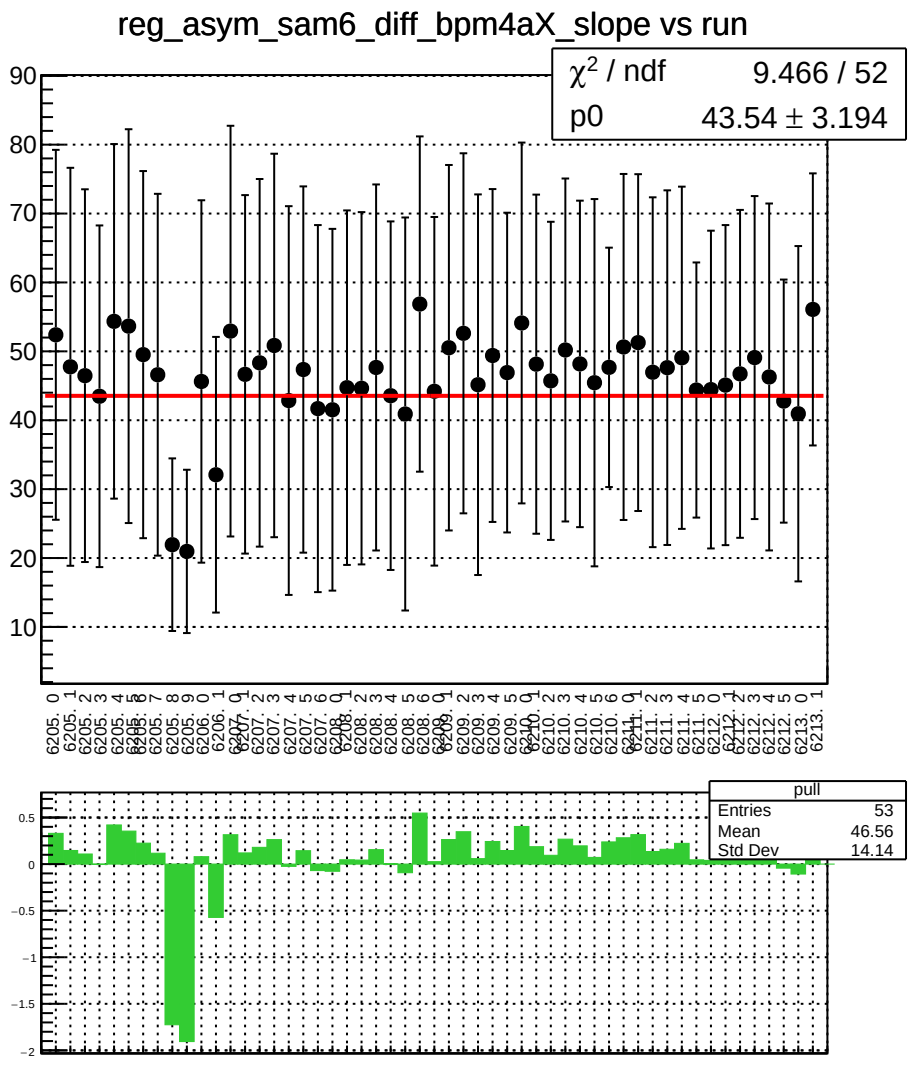

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 41.47 / 52
p0 4.323 ± 2.89
pull
Entries 53
Mean 52.07
Std Dev 23.23

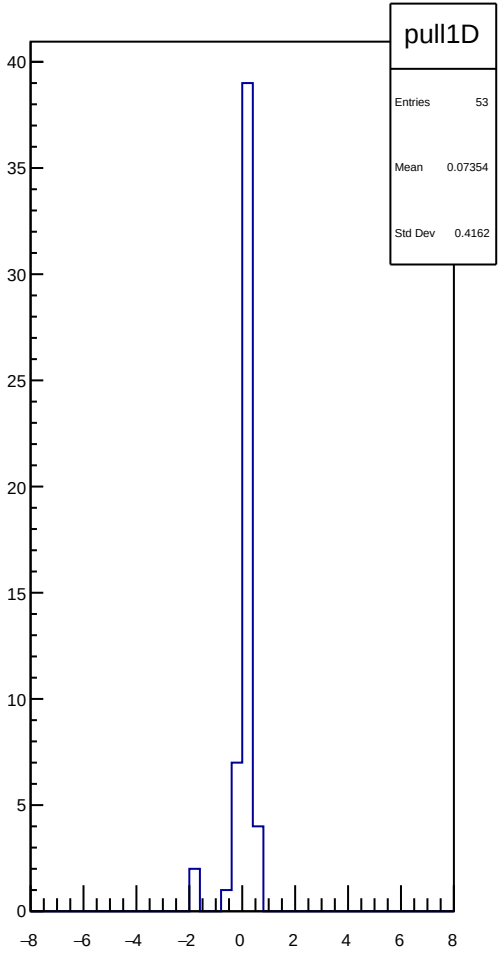

pull1D
Entries 53
Mean −0.1526
Std Dev 0.8713

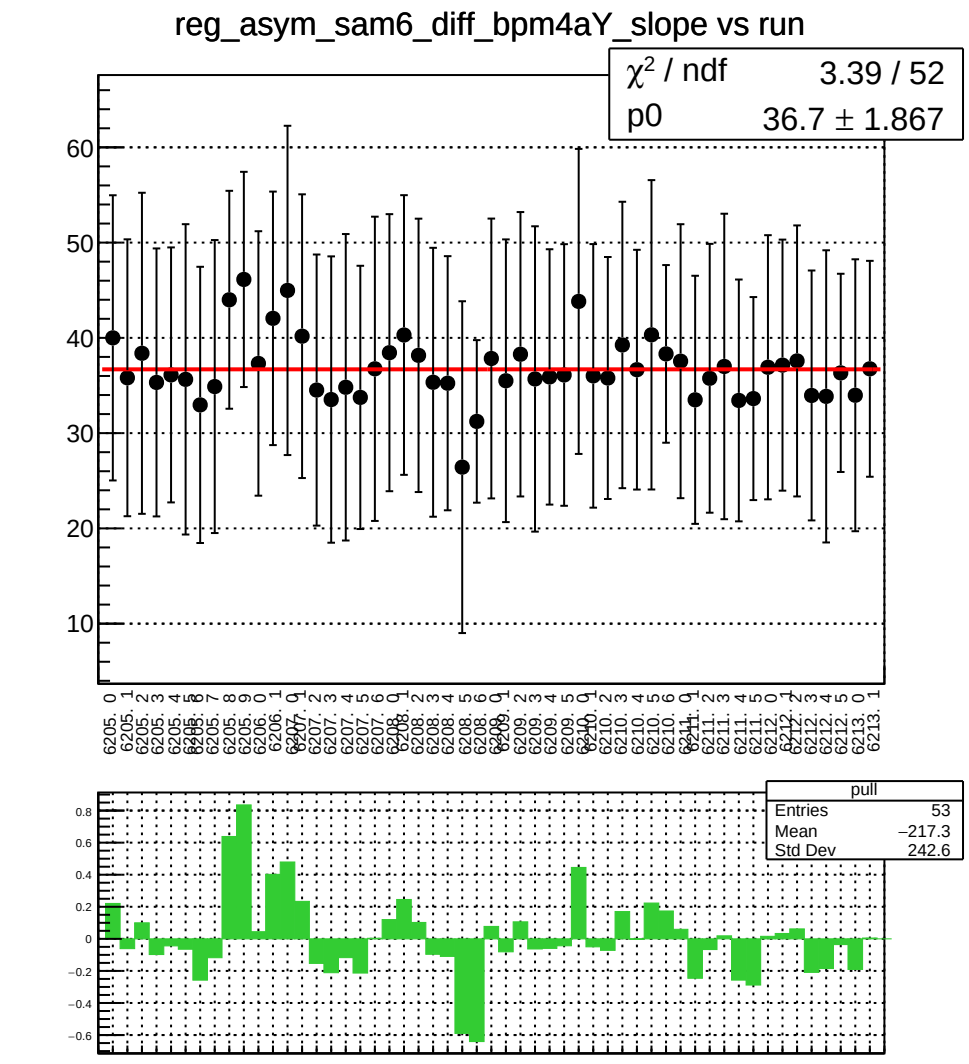

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 4.169 / 52
p0 97.69 ± 1.705
pull
Entries 53
Mean 499.6
Std Dev 462.5

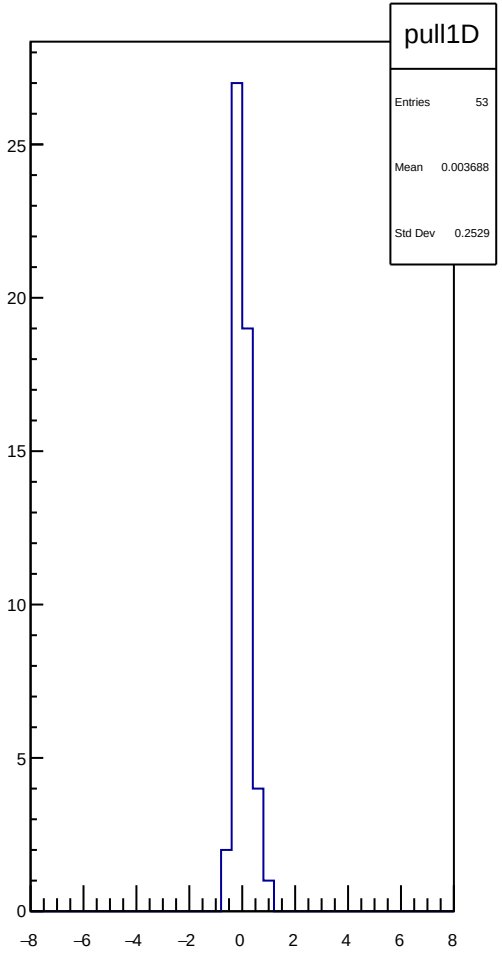

pull1D
Entries 53
Mean 0.0004344
Std Dev 0.2804

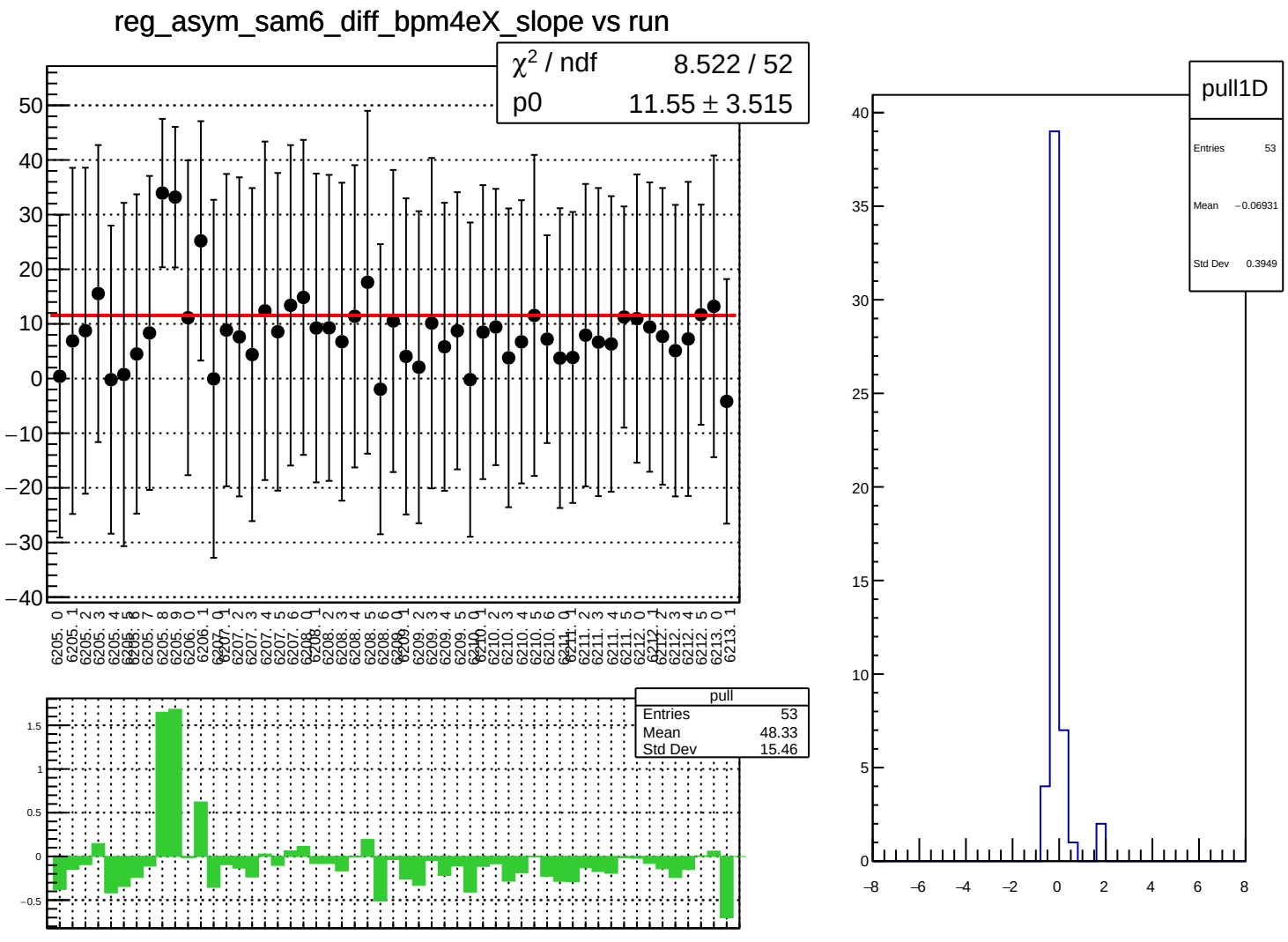

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 8.791 / 52
p0 −0.4724 ± 0.1257
pull
Entries 53
Mean 160.1
Std Dev 138.1
pull1D
Entries 53
Mean 0.01089
Std Dev 0.4071

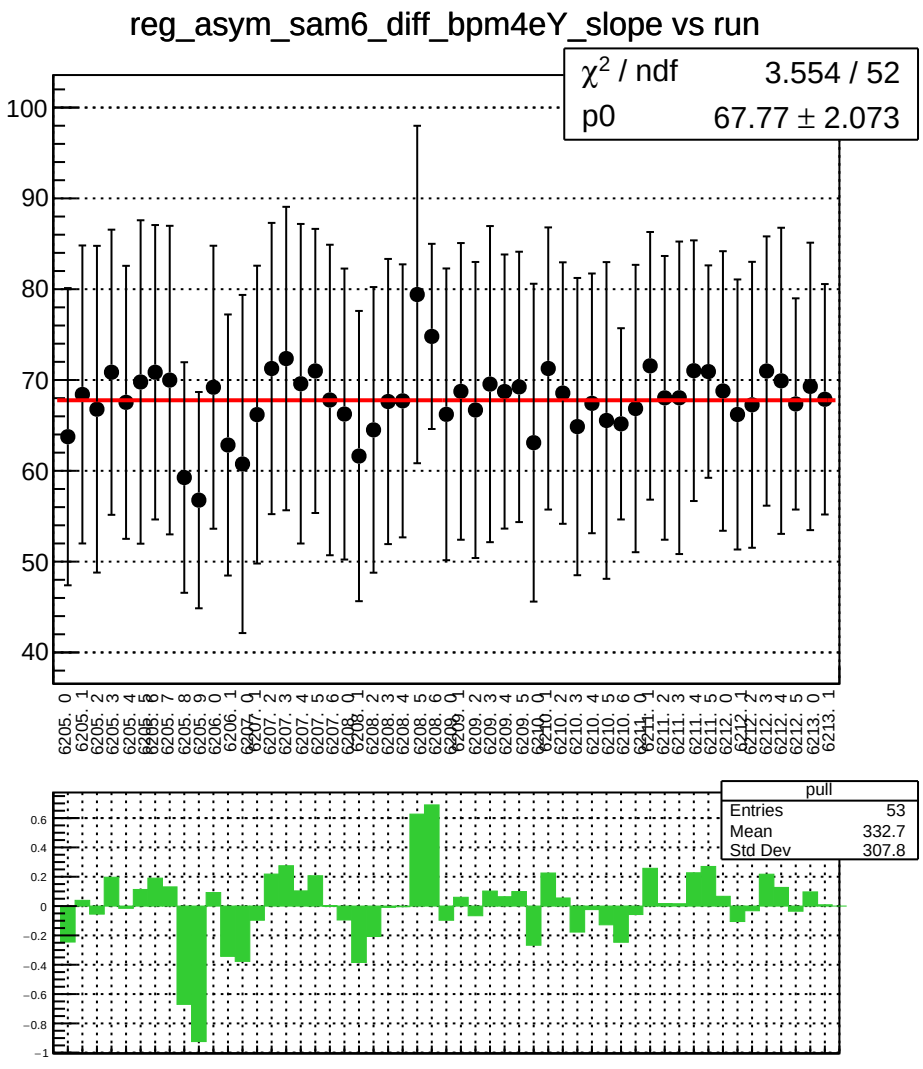

reg_asym_sam6_diff_bpm4aX_slope vs run
χ² / ndf 9.466 / 52
p0 43.54 ± 3.194
pull
Entries 53
Mean 46.56
Std Dev 14.14

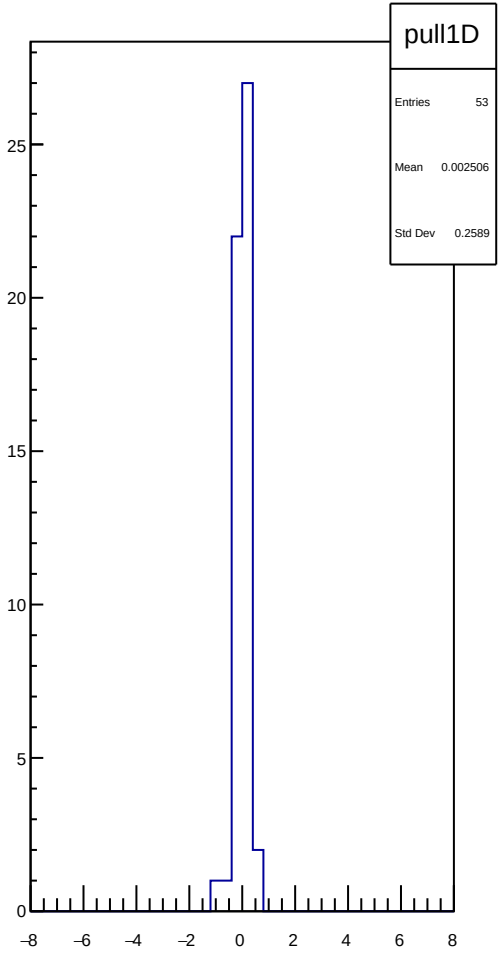

pull1D
Entries 53
Mean 0.07354
Std Dev 0.4162

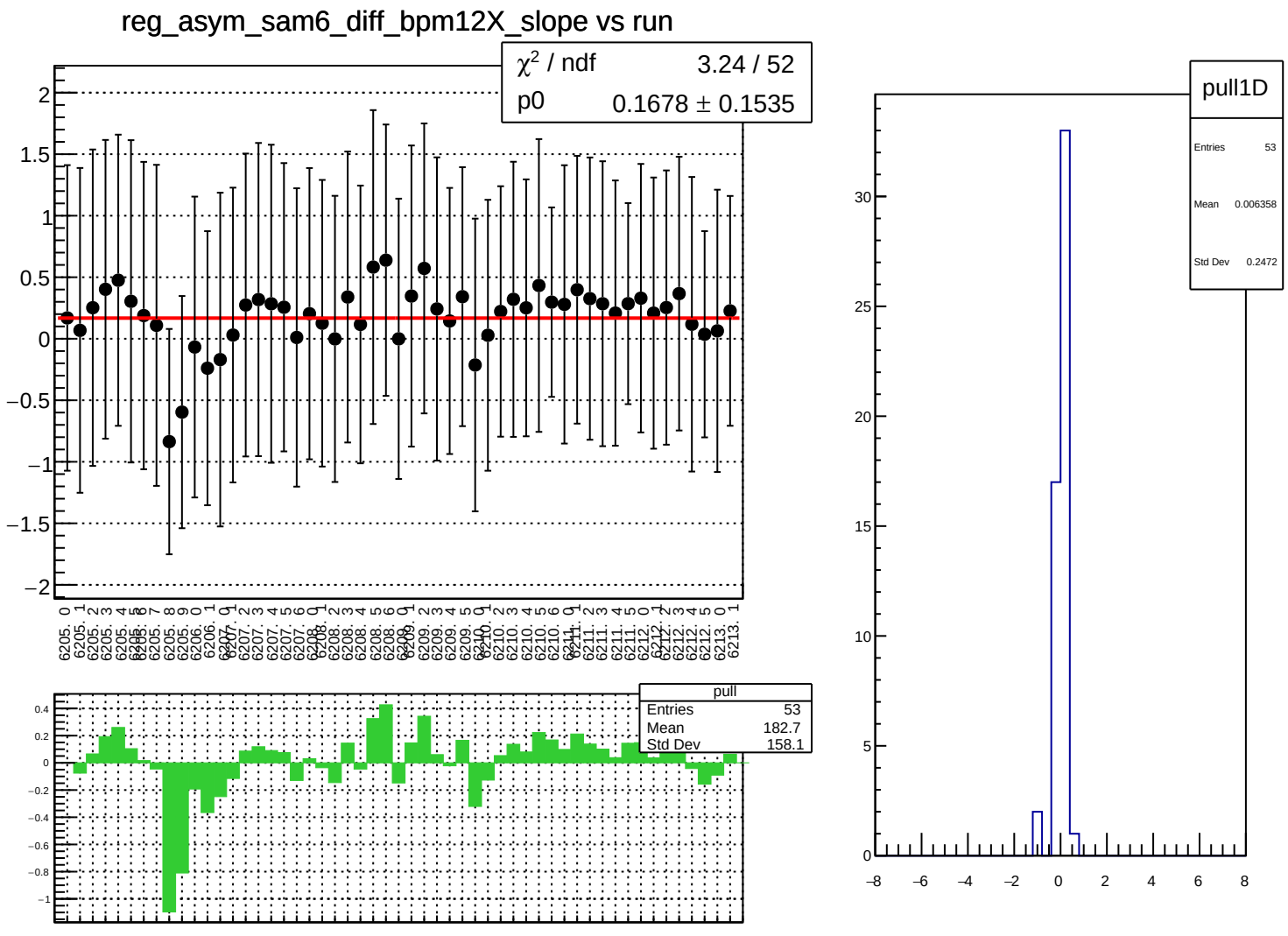

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 3.39 / 52
p0 36.7 ± 1.867
pull
Entries 53
Mean −217.3
Std Dev 242.6

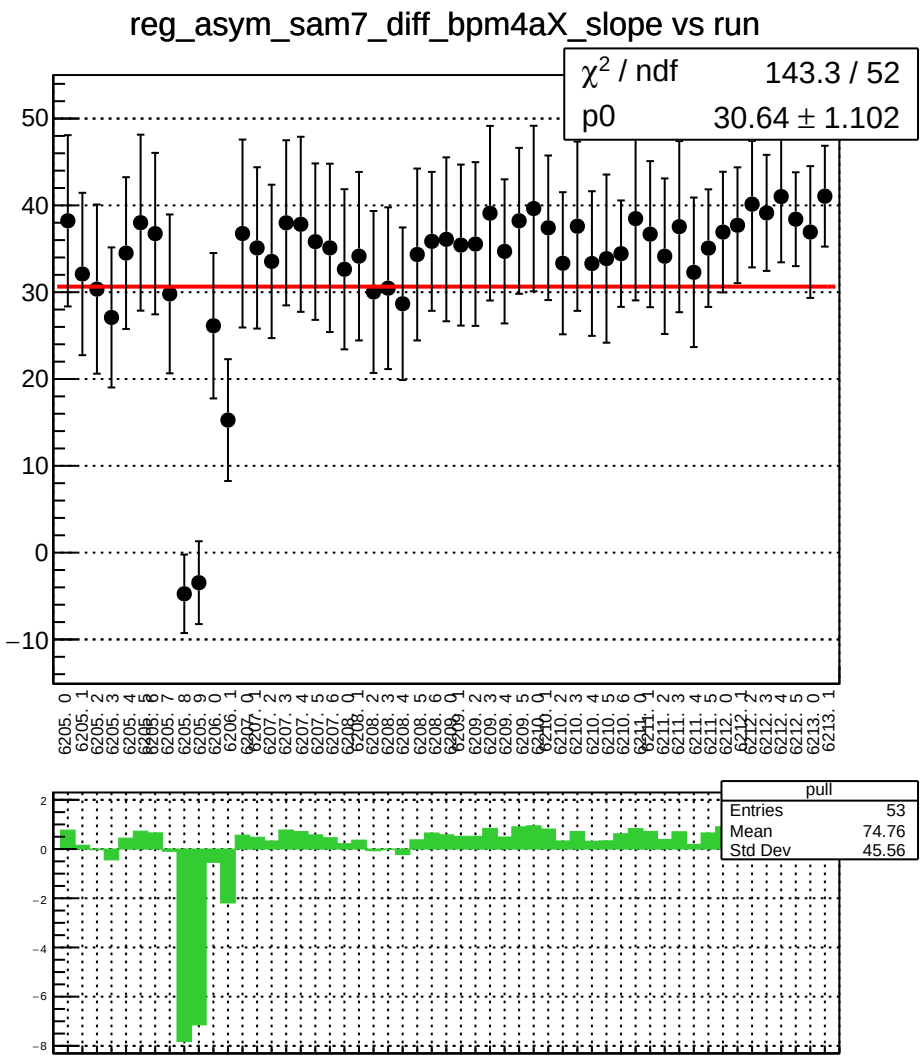

pull1D
Entries 53
Mean 0.003688
Std Dev 0.2529

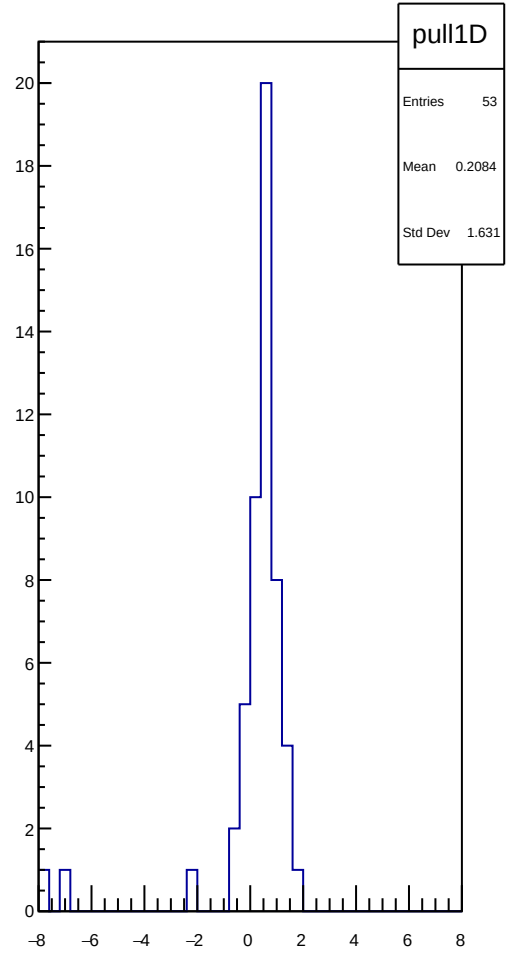

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 8.522 / 52
p0 11.55 ± 3.515
pull
Entries 53
Mean 48.33
Std Dev 15.46
pull1D
Entries 53
Mean −0.06931
Std Dev 0.3949

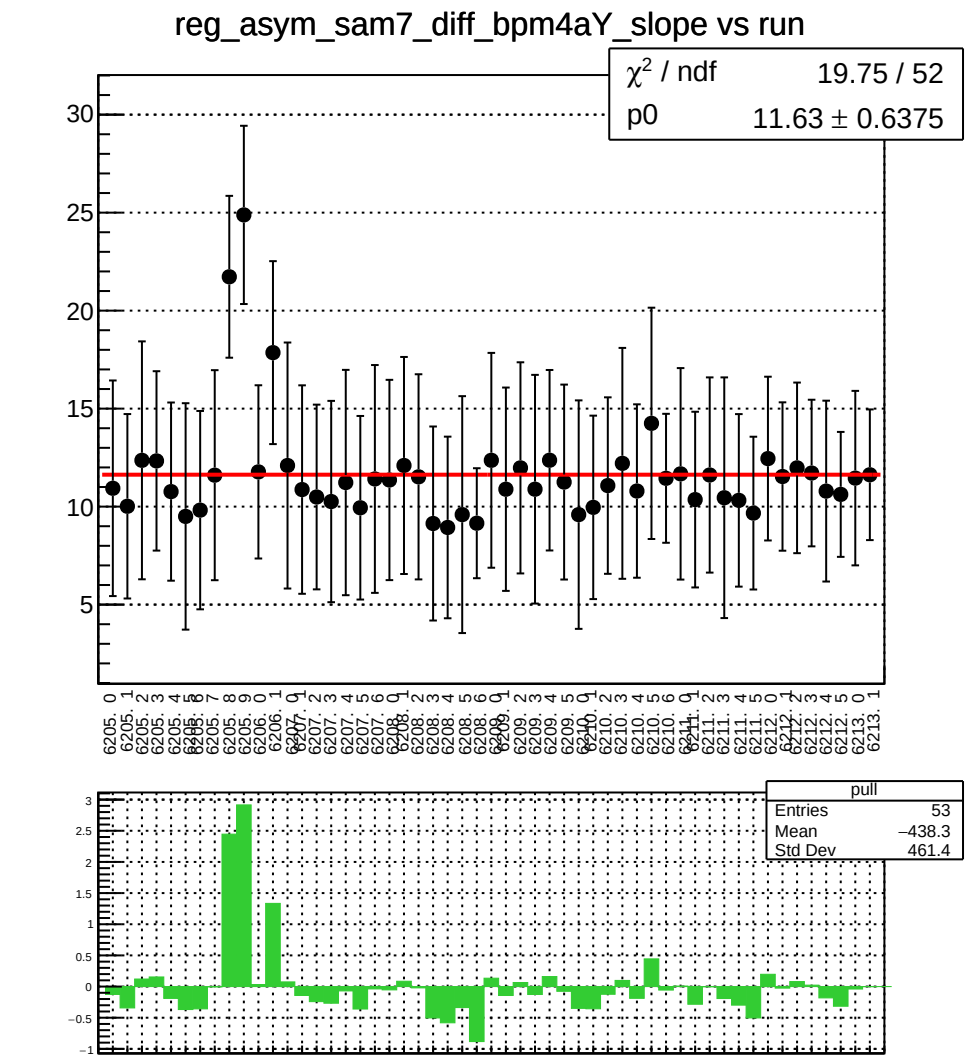

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 3.554 / 52
p0 67.77 ± 2.073
pull
Entries 53
Mean 332.7
Std Dev 307.8

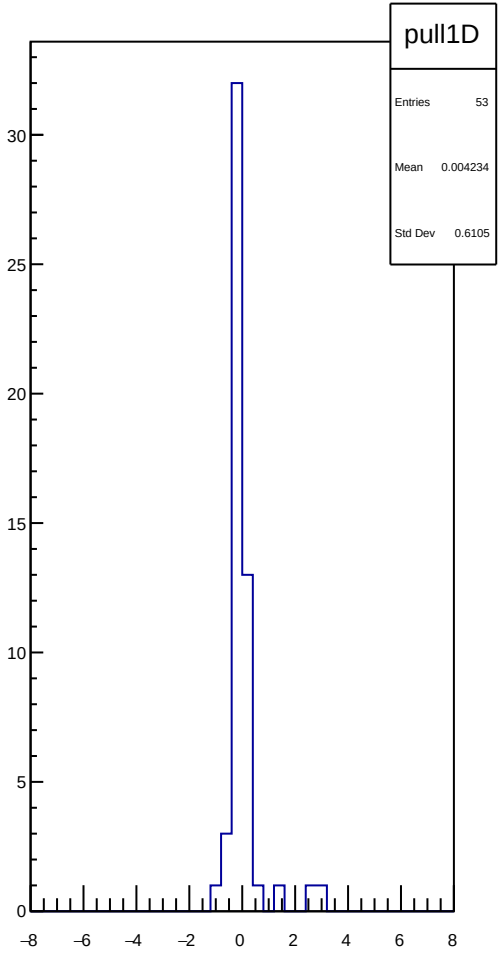

pull1D
Entries 53
Mean 0.002506
Std Dev 0.2589

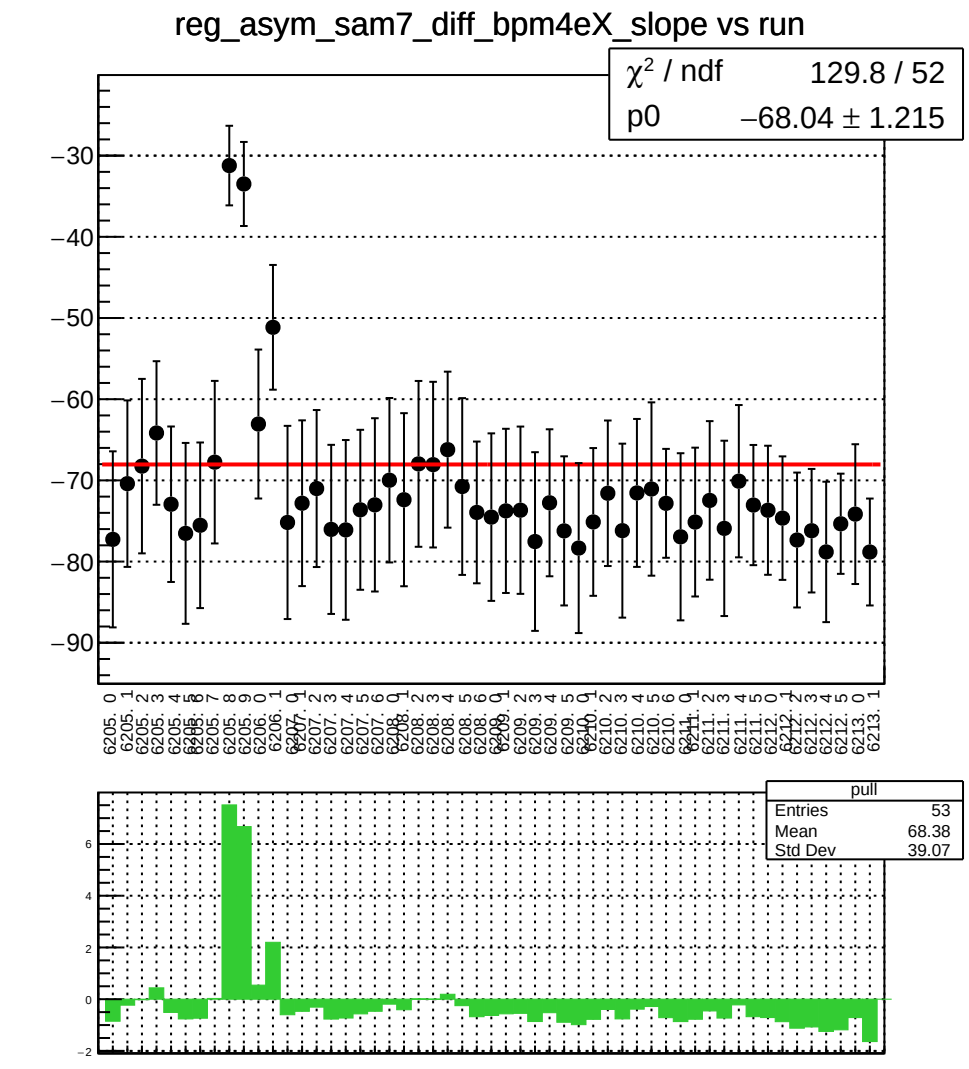

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 3.24 / 52
p0 0.1678 ± 0.1535
pull
Entries 53
Mean 182.7
Std Dev 158.1
pull1D
Entries 53
Mean 0.006358
Std Dev 0.2472

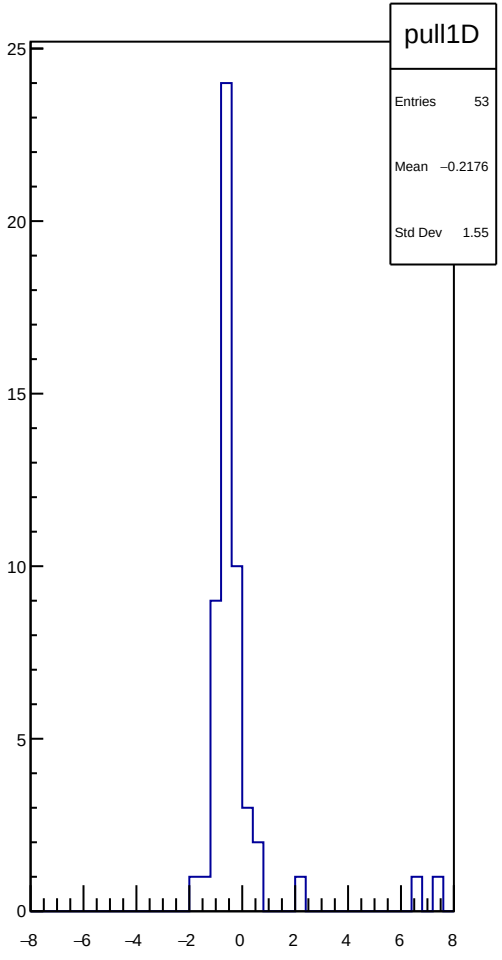

reg_asym_sam7_diff_bpm4aX_slope vs run
χ² / ndf 143.3 / 52
p0 30.64 ± 1.102
pull
Entries 53
Mean 74.76
Std Dev 45.56

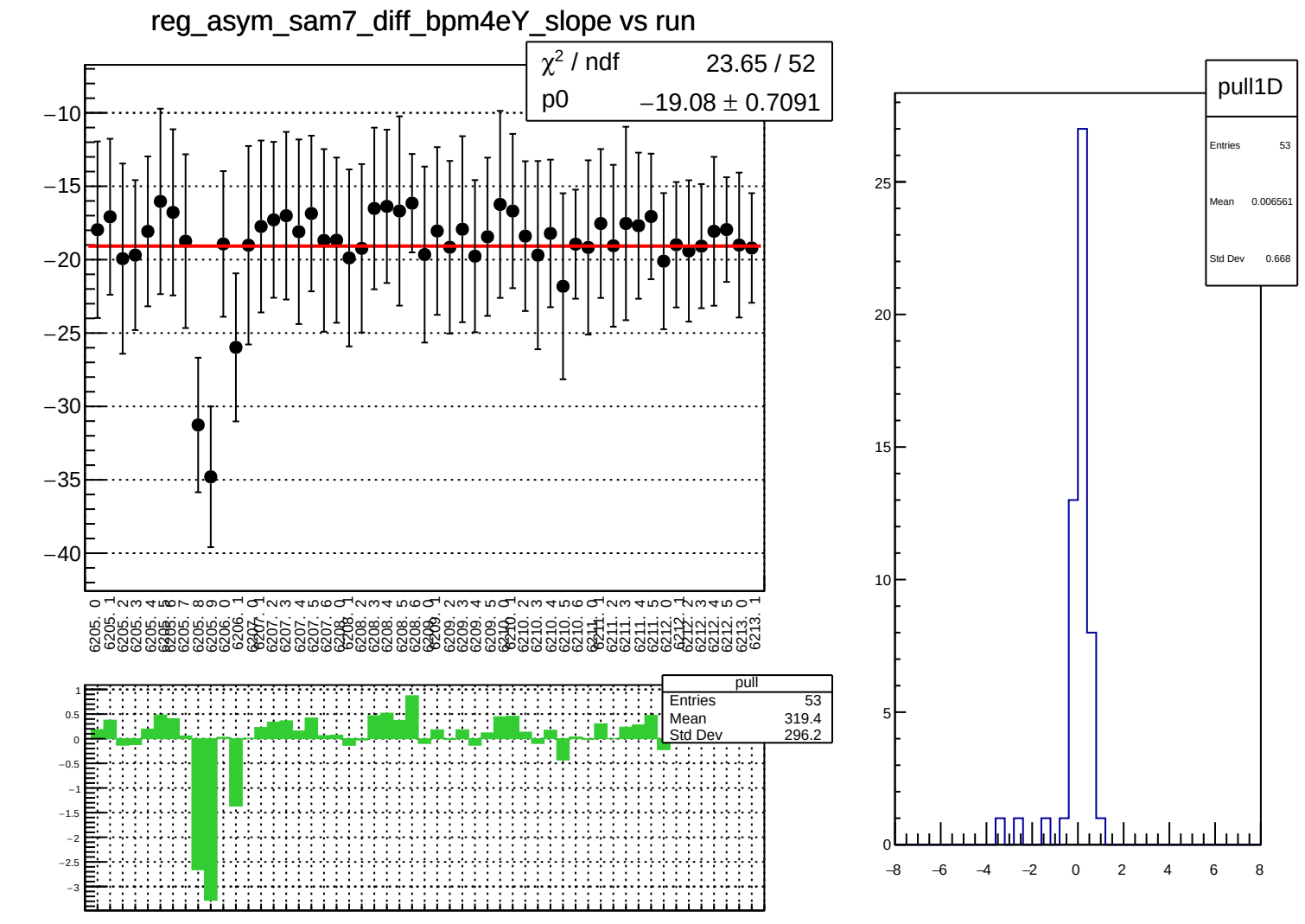

pull1D
Entries 53
Mean 0.2084
Std Dev 1.631

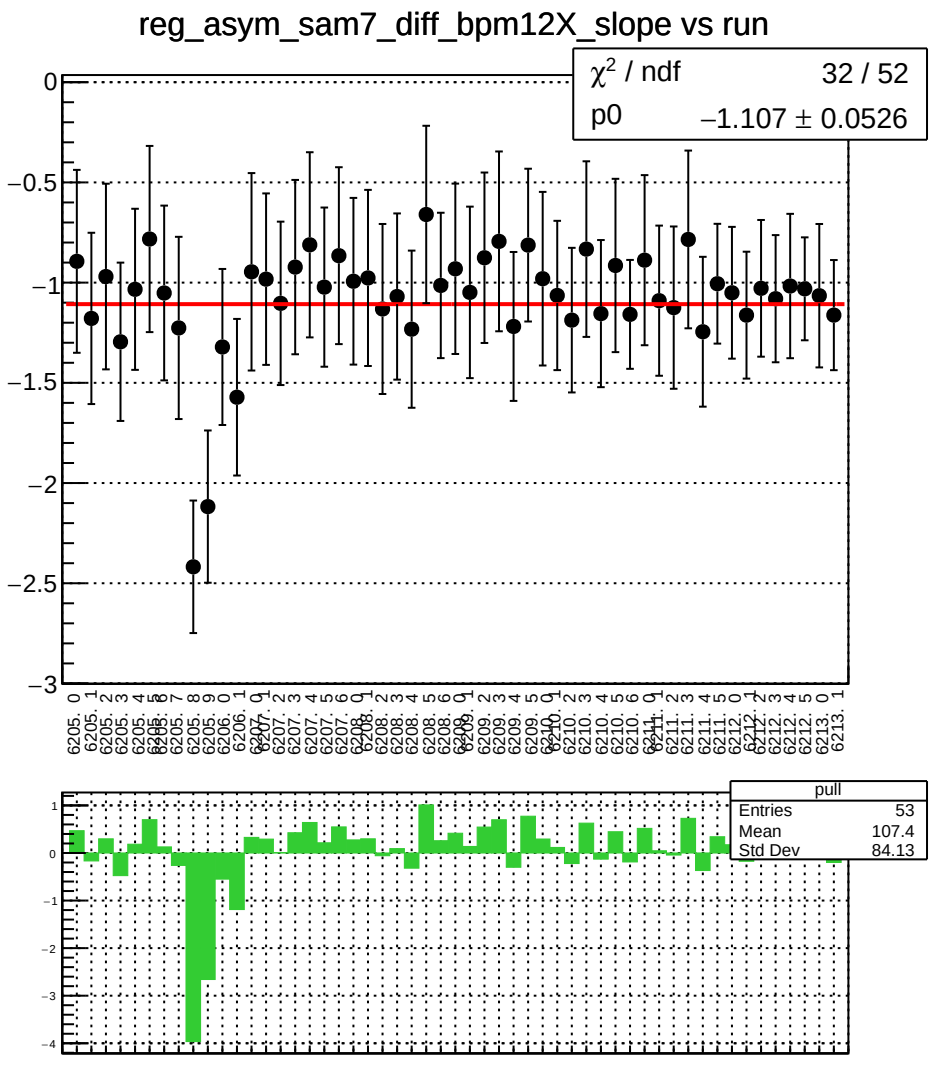

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 19.75 / 52
p0 11.63 ± 0.6375
pull
Entries 53
Mean −438.3
Std Dev 461.4

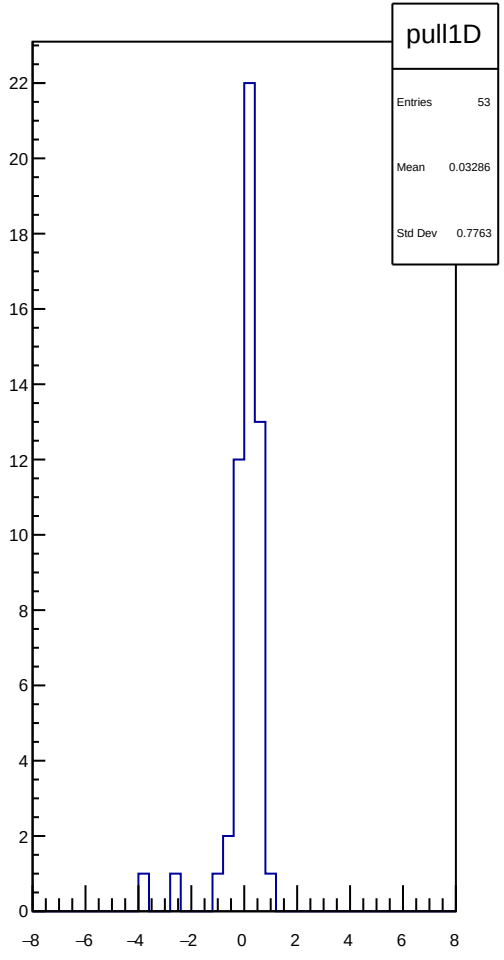

pull1D
Entries 53
Mean 0.004234
Std Dev 0.6105

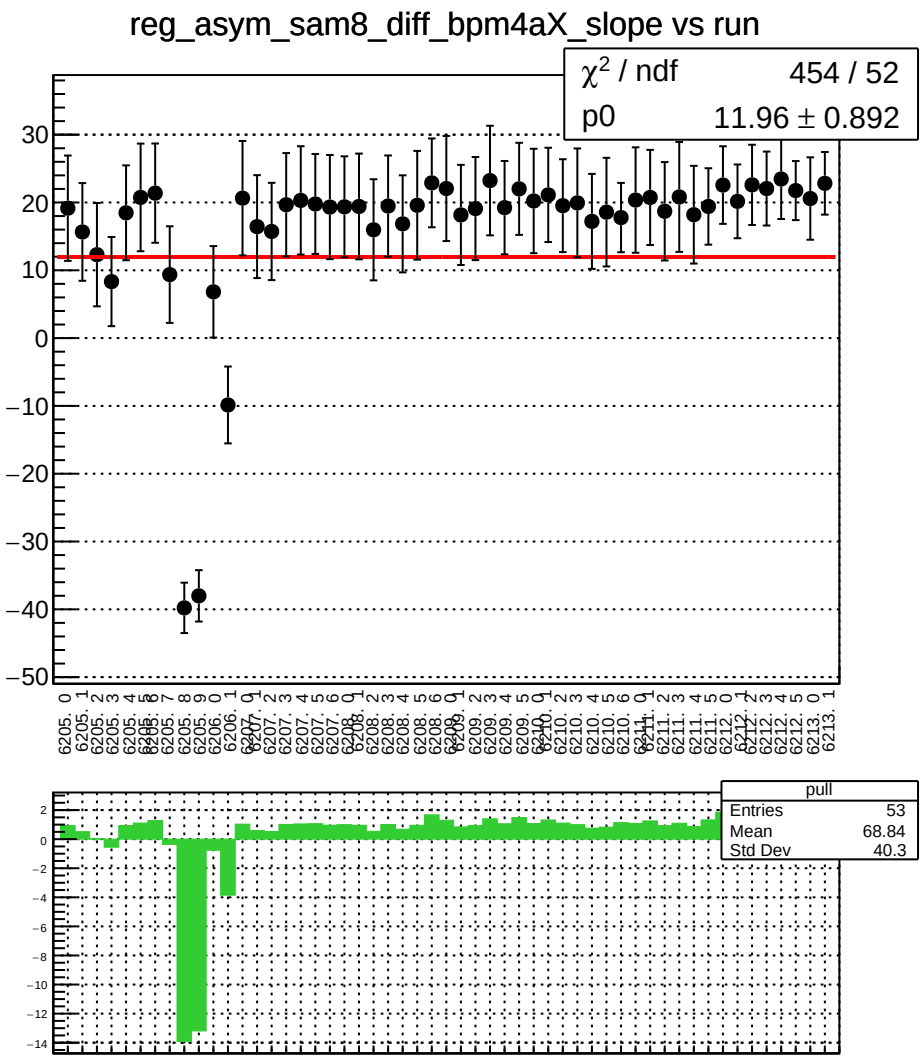

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 129.8 / 52
p0 −68.04 ± 1.215
pull
Entries 53
Mean 68.38
Std Dev 39.07

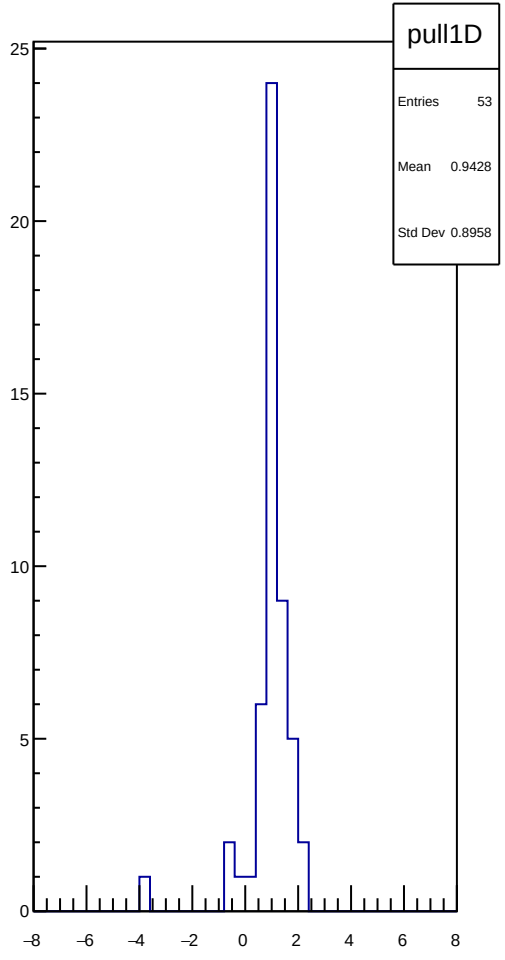

pull1D
Entries 53
Mean −0.2176
Std Dev 1.55

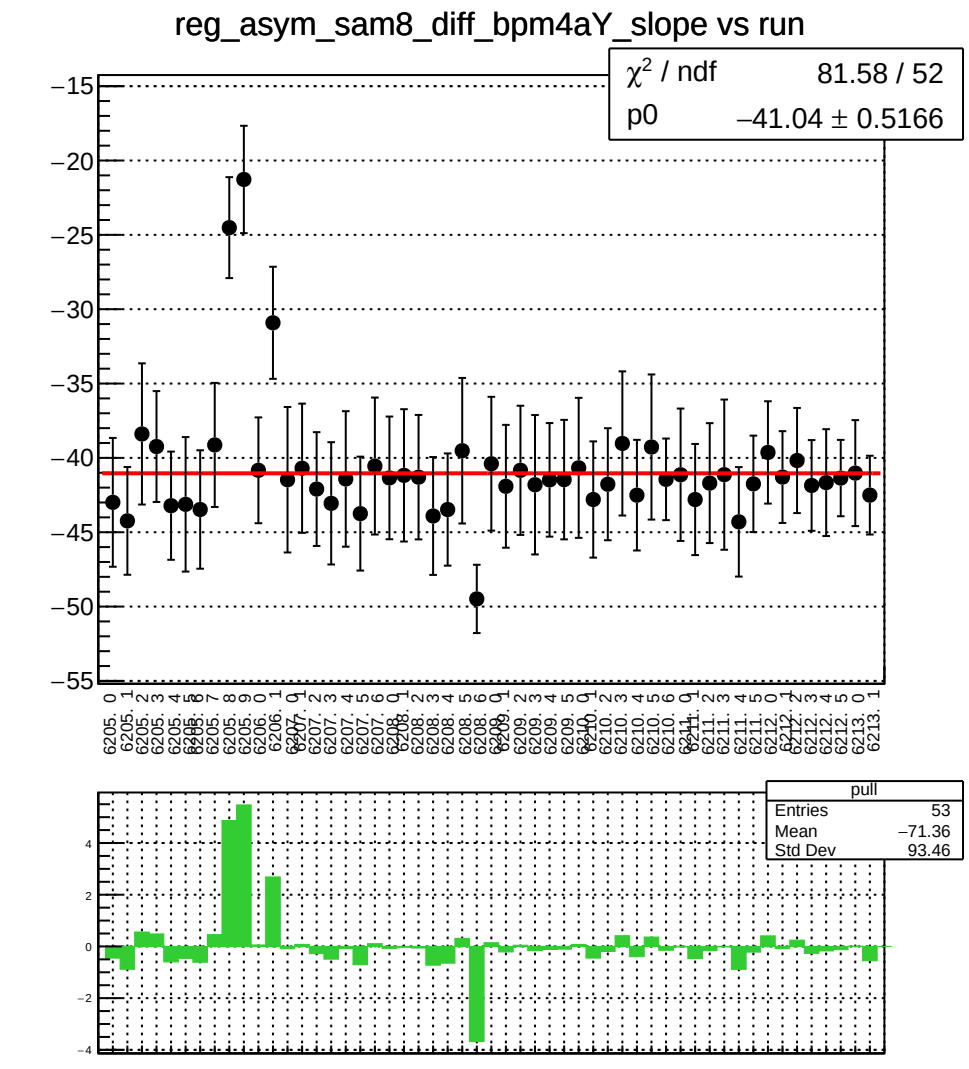

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 23.65 / 52
p0 −19.08 ± 0.7091
pull
Entries 53
Mean 319.4
Std Dev 296.2
pull1D
Entries 53
Mean 0.006561
Std Dev 0.668

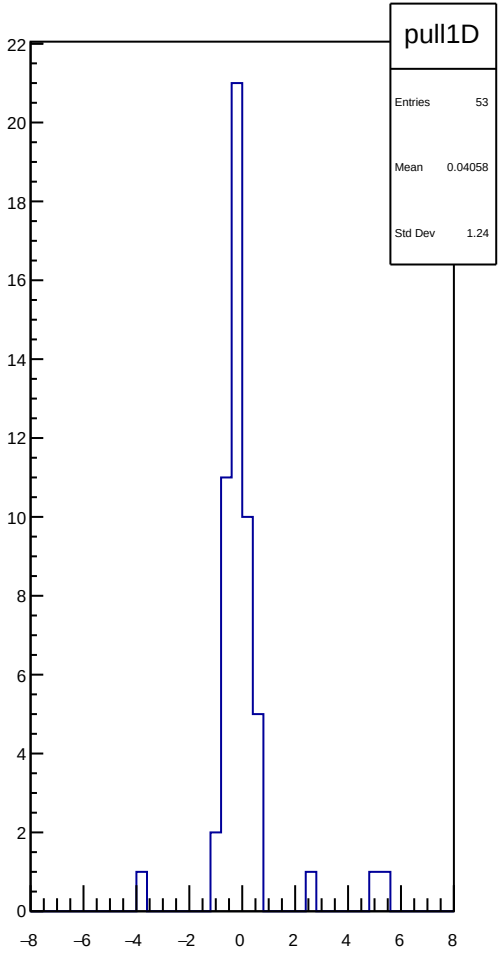

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 32 / 52
p0 −1.107 ± 0.0526
pull
Entries 53
Mean 107.4
Std Dev 84.13

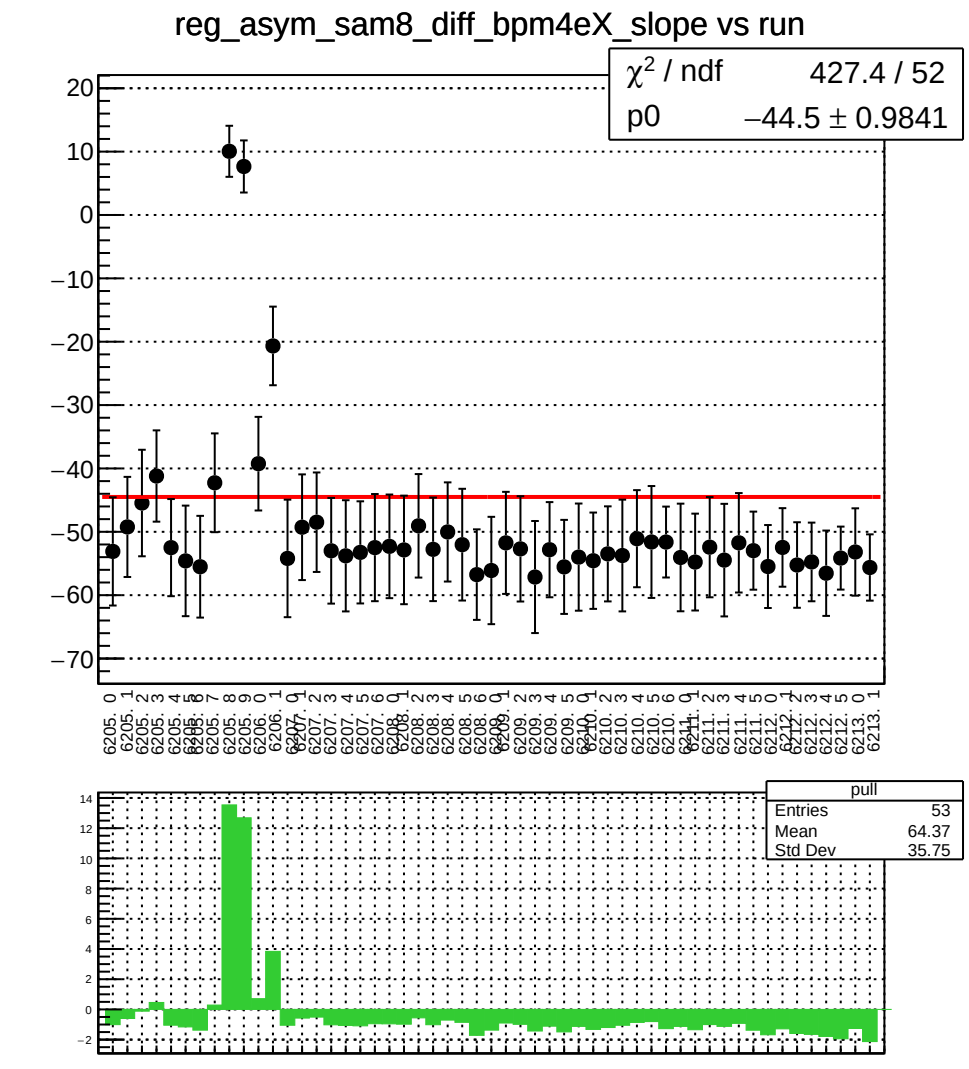

pull1D
Entries 53
Mean 0.03286
Std Dev 0.7763

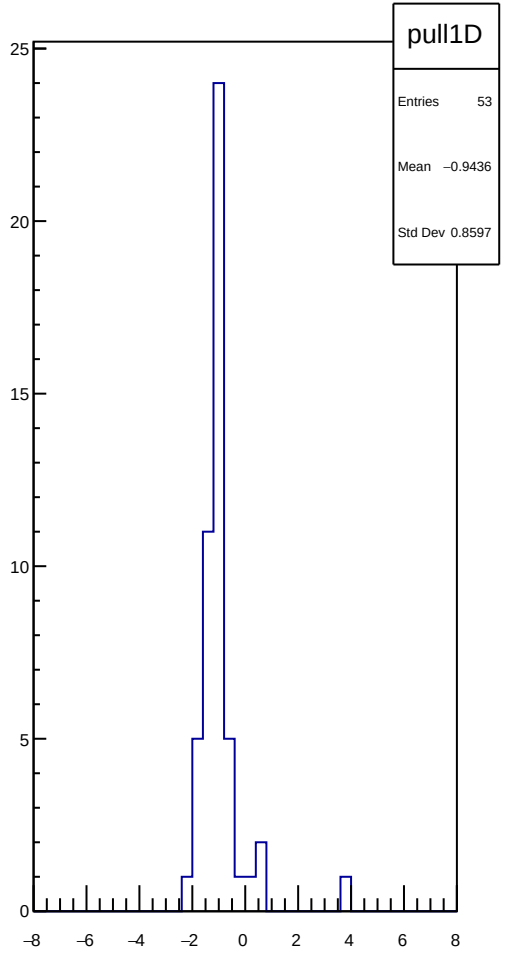

reg_asym_sam8_diff_bpm4aX_slope vs run
χ² / ndf 454 / 52
p0 11.96 ± 0.892
pull
Entries 53
Mean 68.84
Std Dev 40.3

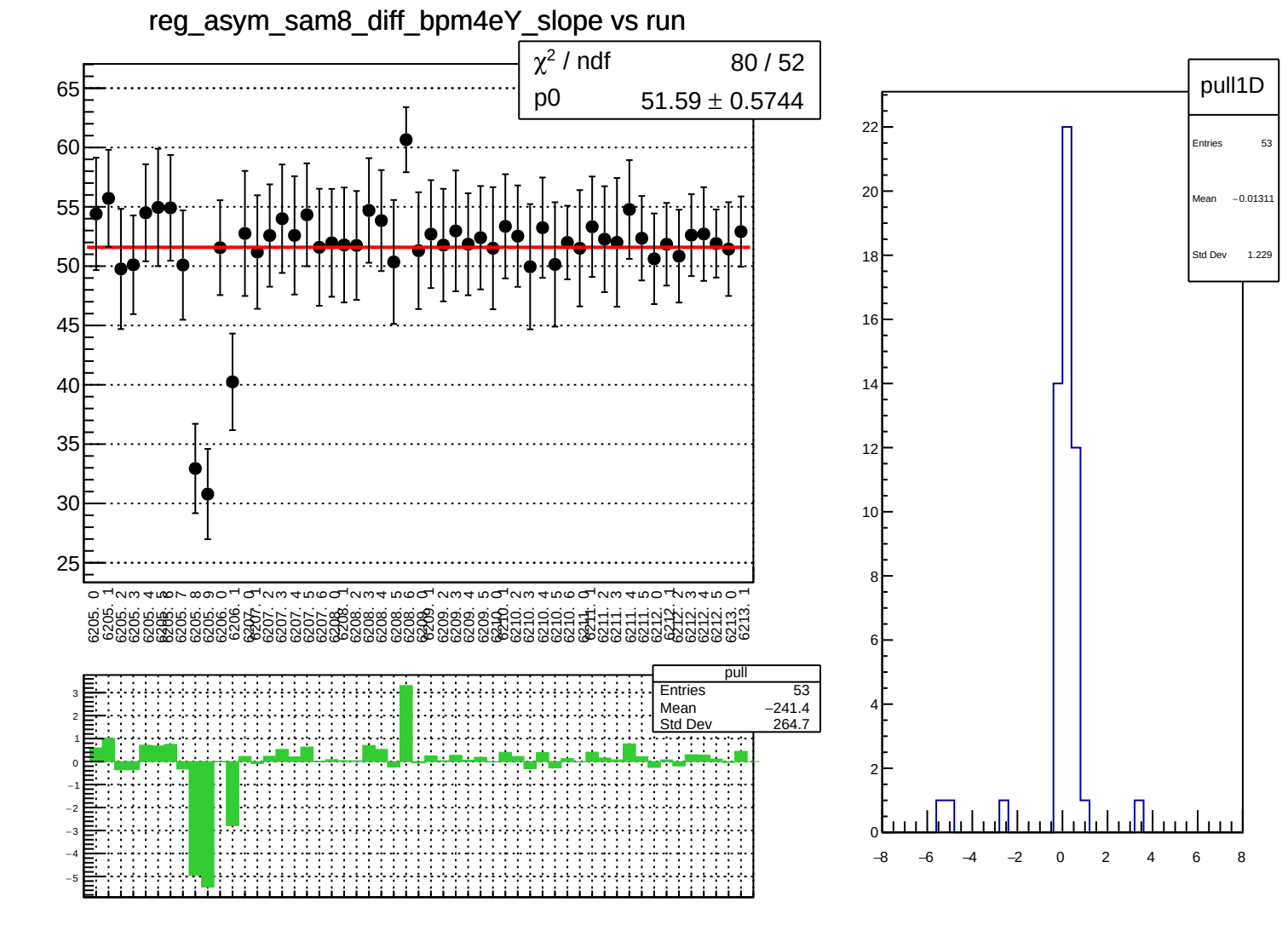

pull1D
Entries 53
Mean 0.9428
Std Dev 0.8958

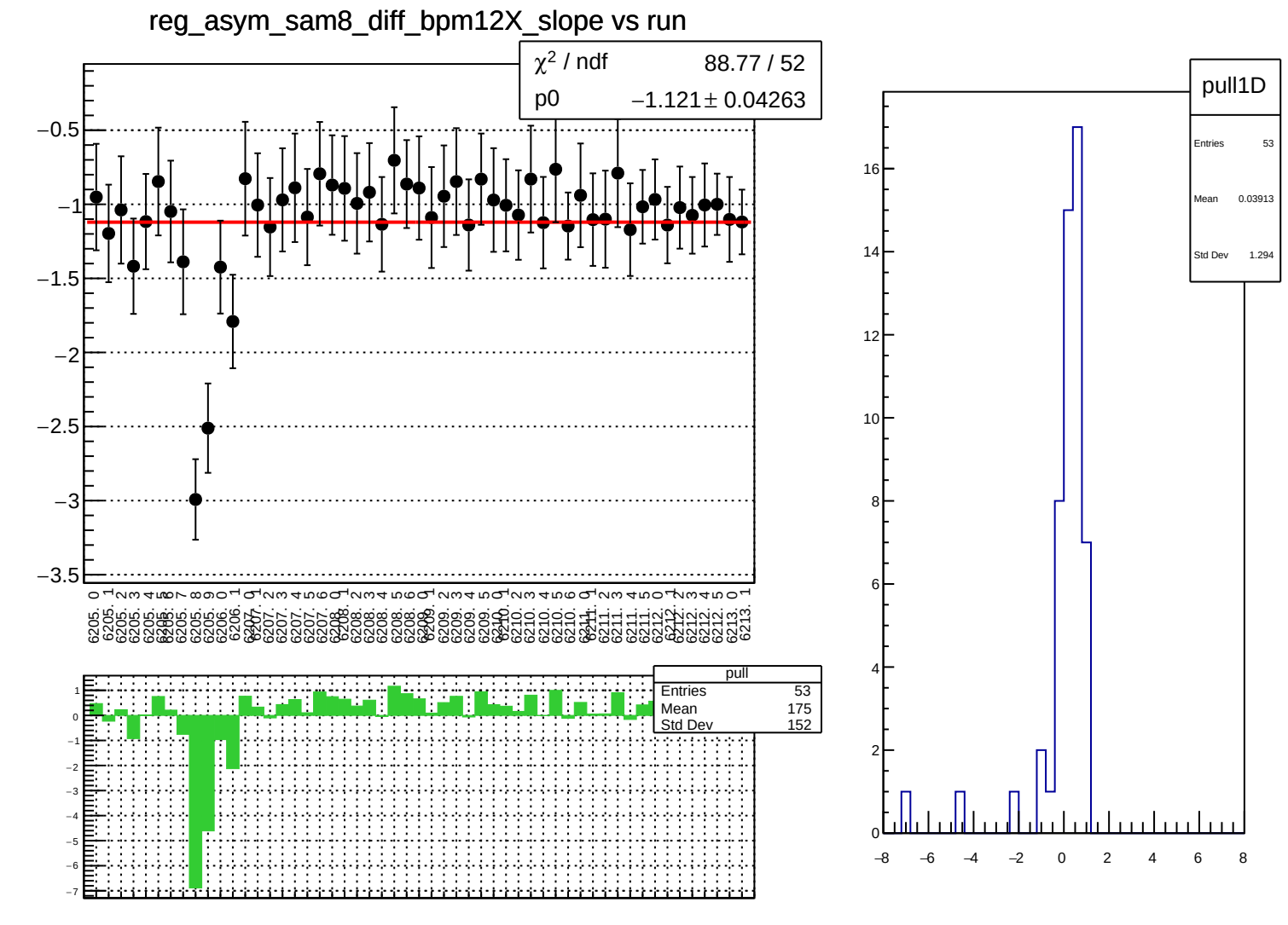

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 81.58 / 52
p0 −41.04 ± 0.5166
pull
Entries 53
Mean −71.36
Std Dev 93.46

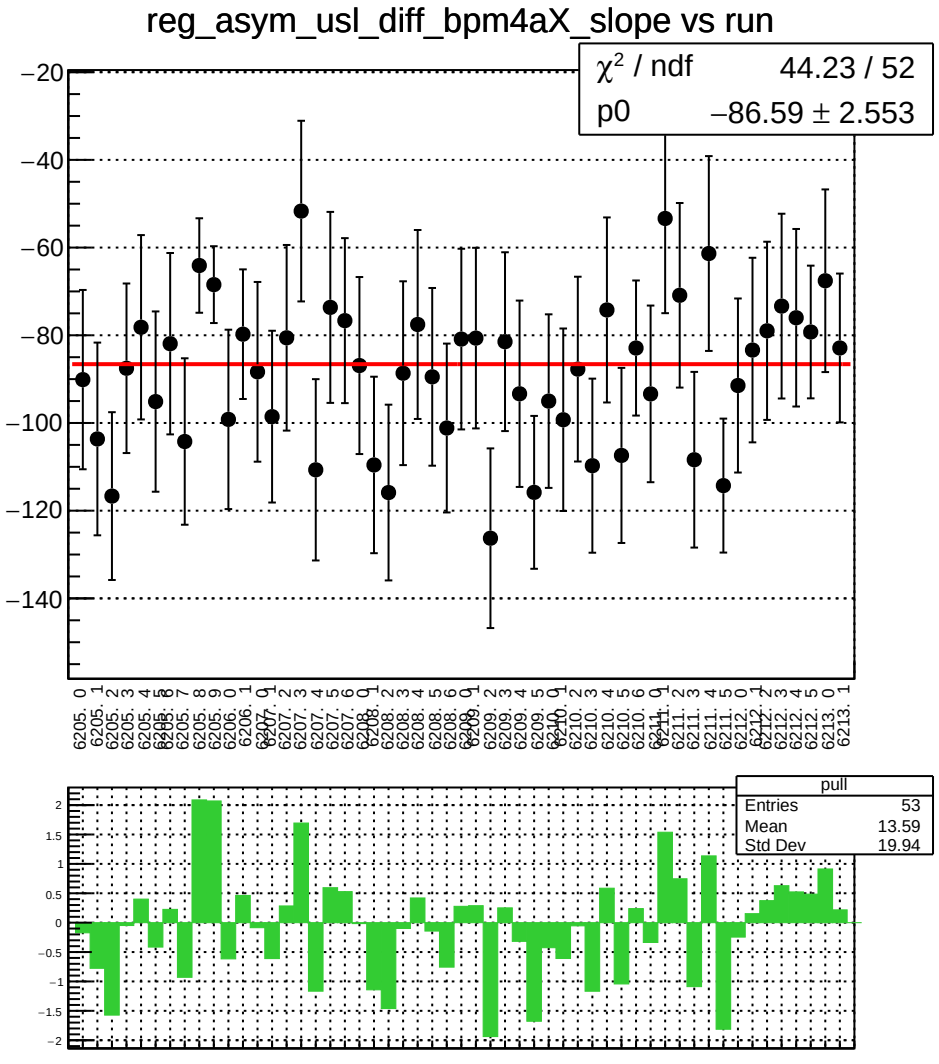

pull1D
Entries 53
Mean 0.04058
Std Dev 1.24

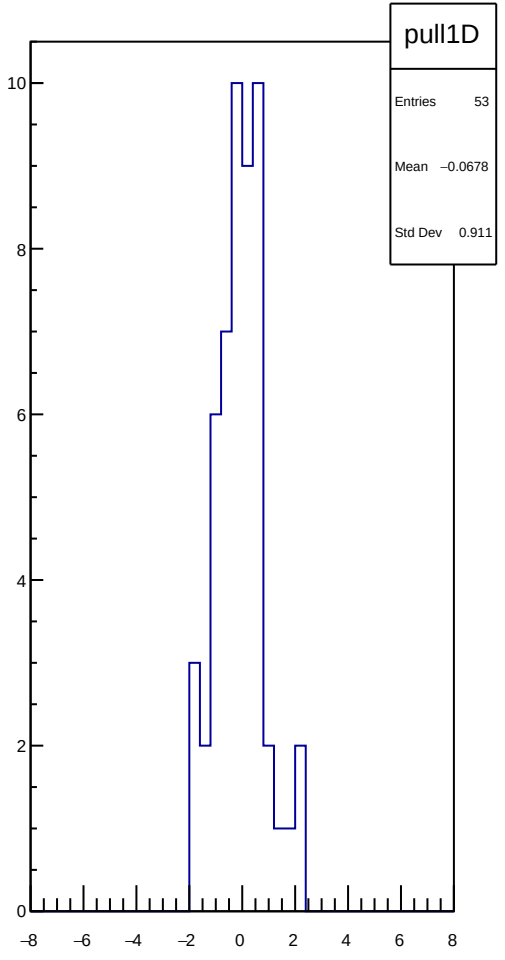

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 427.4 / 52
p0 −44.5 ± 0.9841
pull
Entries 53
Mean 64.37
Std Dev 35.75

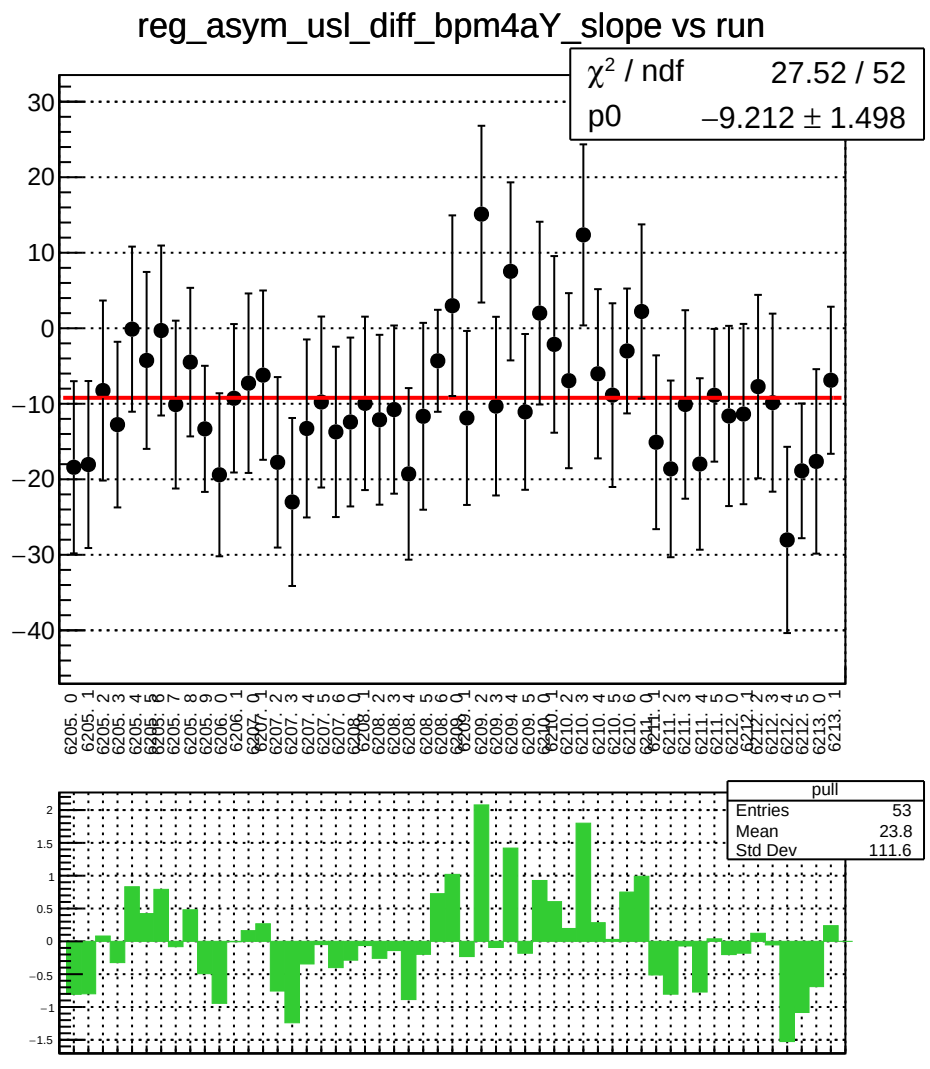

pull1D
Entries 53
Mean −0.9436
Std Dev 0.8597

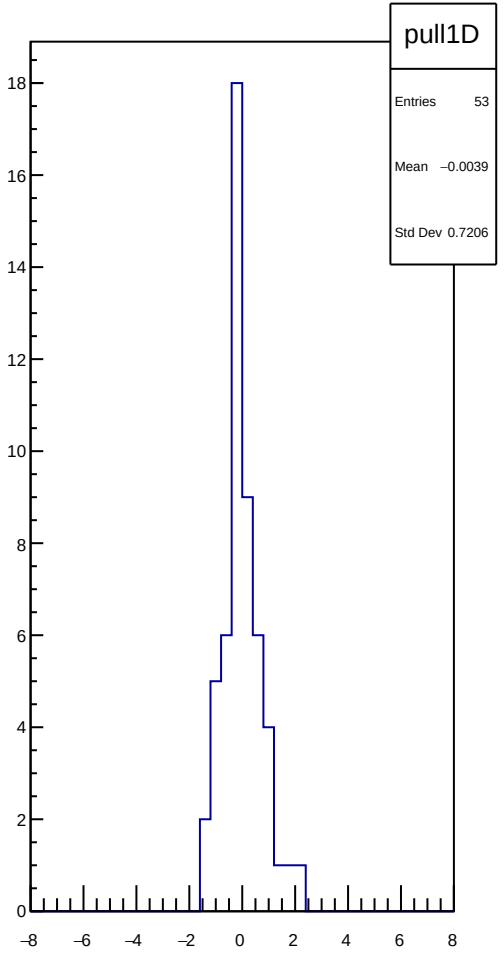

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 80 / 52
p0 51.59 ± 0.5744
pull
Entries 53
Mean −241.4
Std Dev 264.7
pull1D
Entries 53
Mean −0.01311
Std Dev 1.229

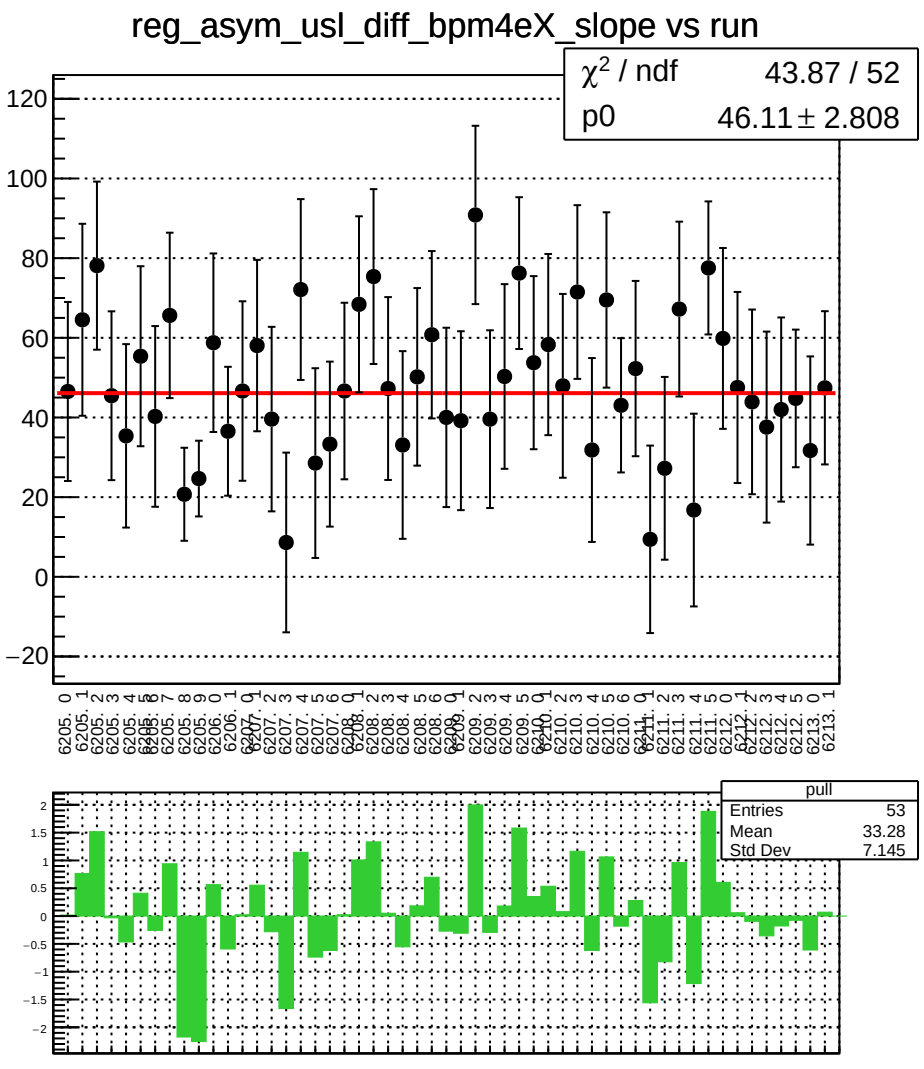

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 88.77 / 52
p0 −1.121 ± 0.04263
pull
Entries 53
Mean 175
Std Dev 152
pull1D
Entries 53
Mean 0.03913
Std Dev 1.294

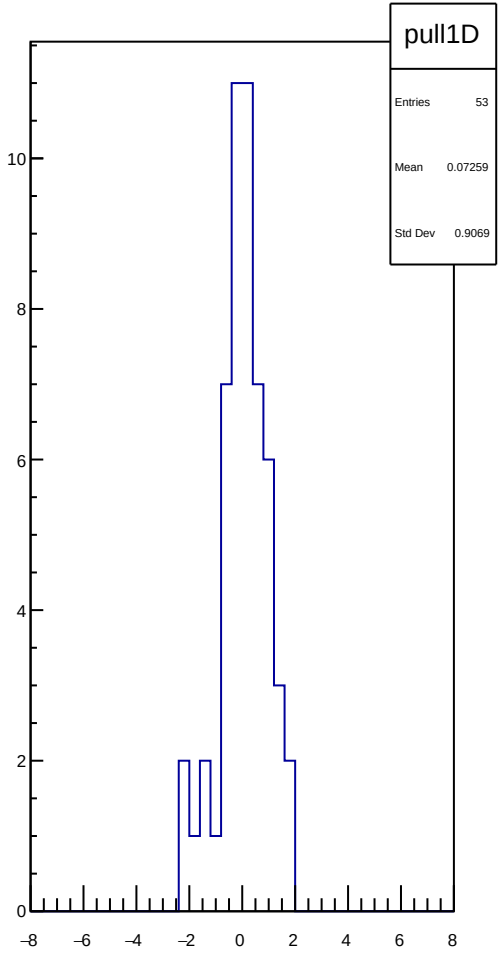

reg_asym_usl_diff_bpm4aX_slope vs run
χ² / ndf 44.23 / 52
p0 −86.59 ± 2.553
pull
Entries 53
Mean 13.59
Std Dev 19.94

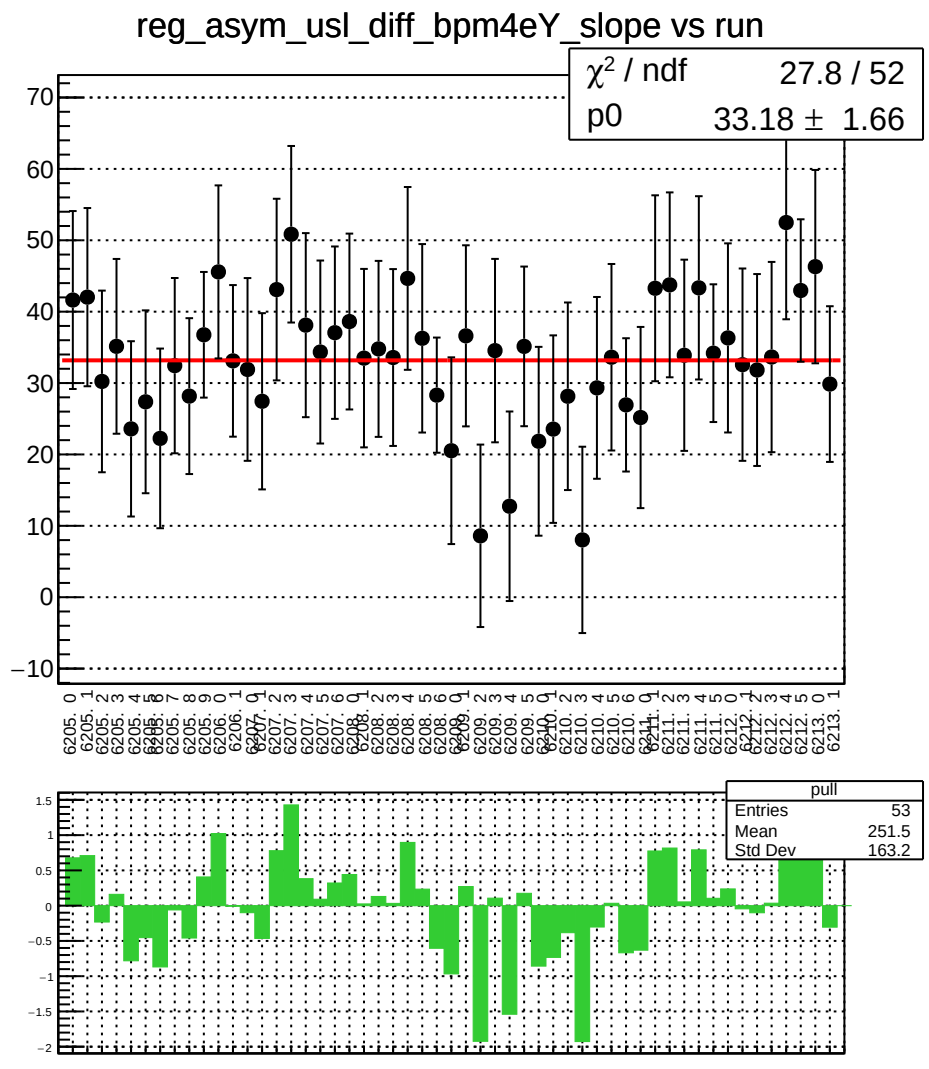

pull1D
Entries 53
Mean −0.0678
Std Dev 0.911

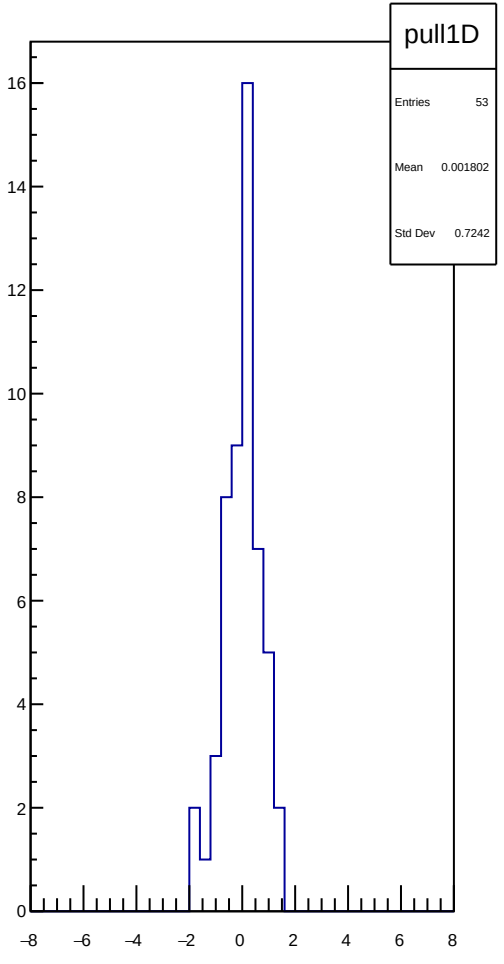

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 27.52 / 52
p0 −9.212 ± 1.498
pull
Entries 53
Mean 23.8
Std Dev 111.6

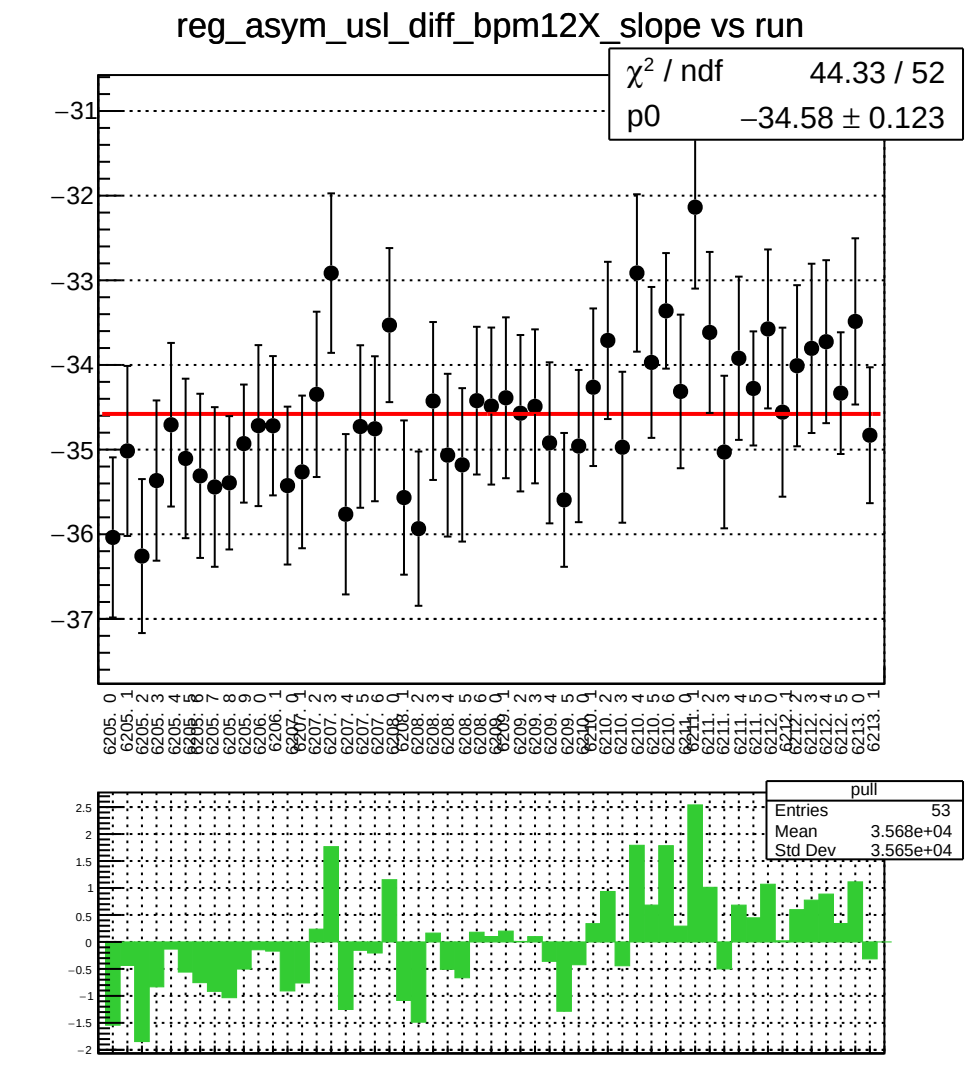

pull1D
Entries 53
Mean −0.0039
Std Dev 0.7206

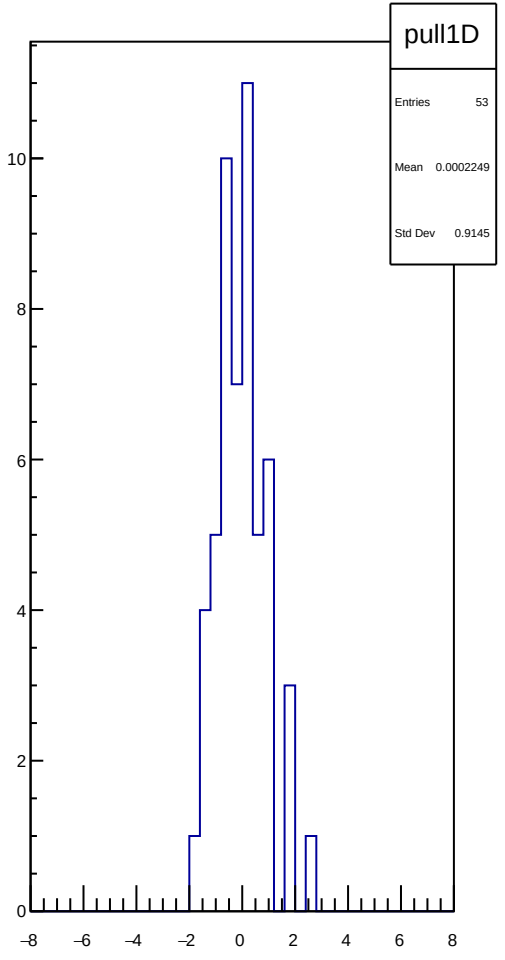

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 43.87 / 52
p0 46.11 ± 2.808
pull
Entries 53
Mean 33.28
Std Dev 7.145

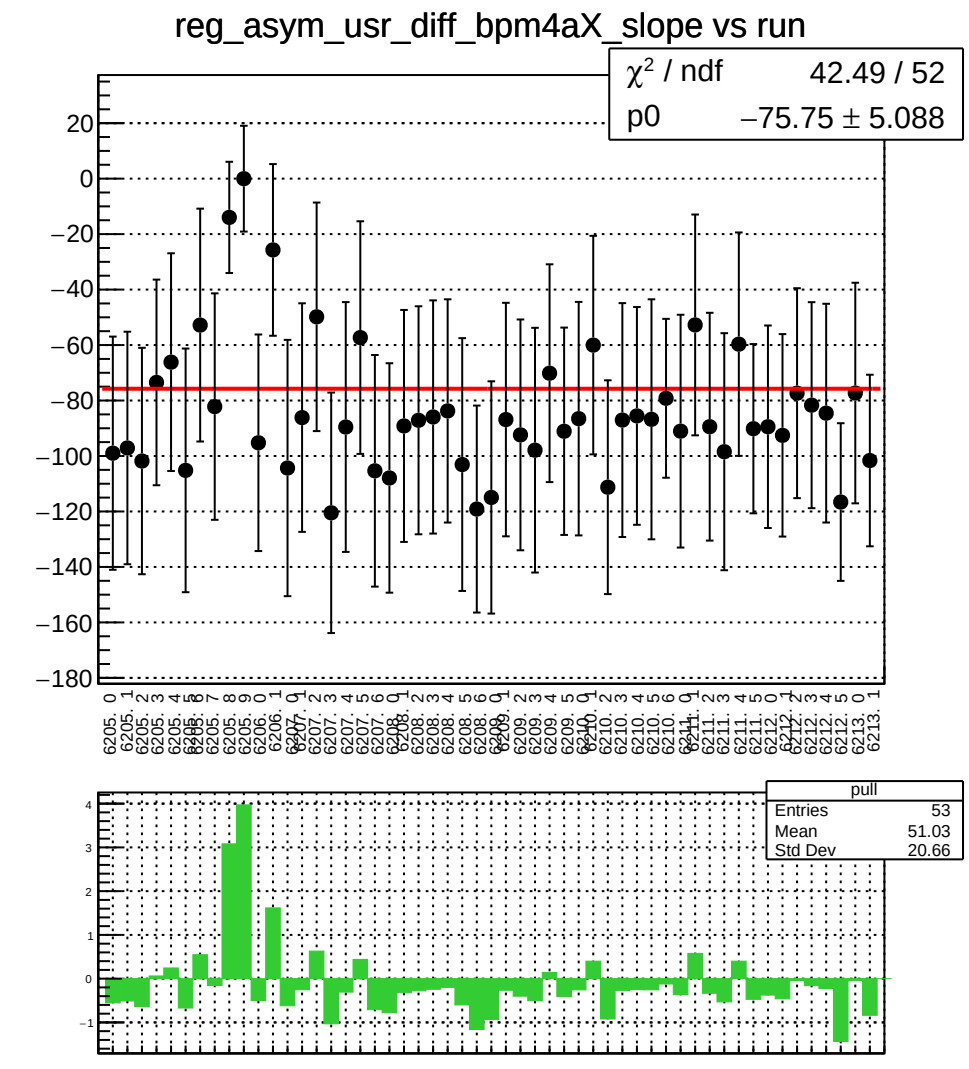

pull1D
Entries 53
Mean 0.07259
Std Dev 0.9069

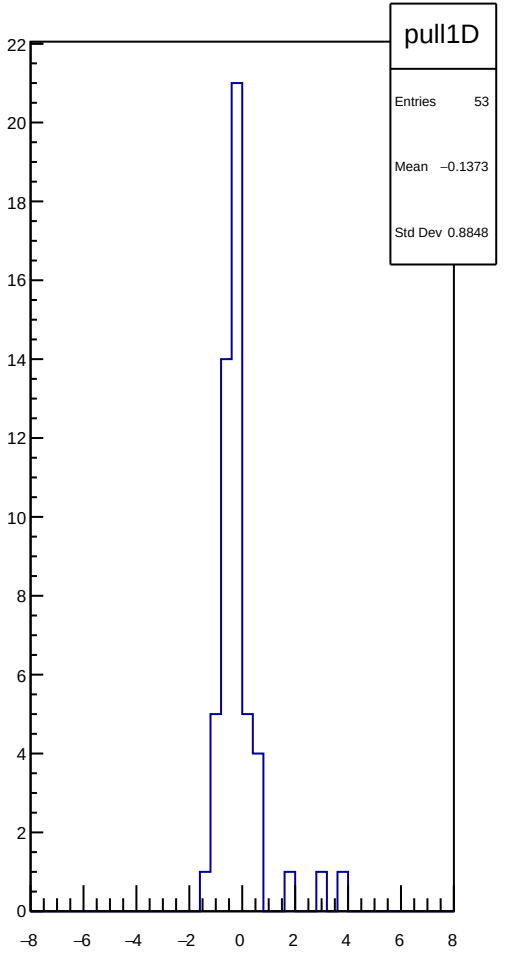

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 27.8 / 52
p0 33.18 ± 1.66
pull
Entries 53
Mean 251.5
Std Dev 163.2

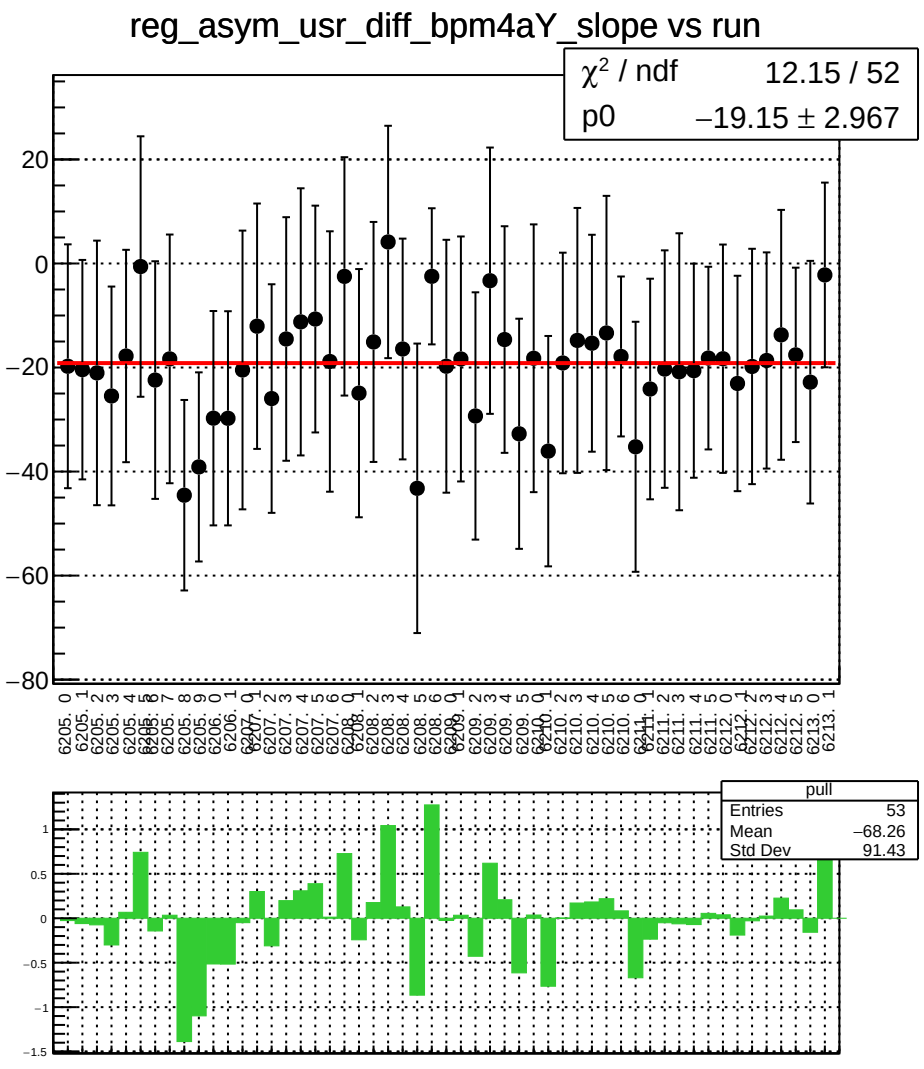

pull1D
Entries 53
Mean 0.001802
Std Dev 0.7242

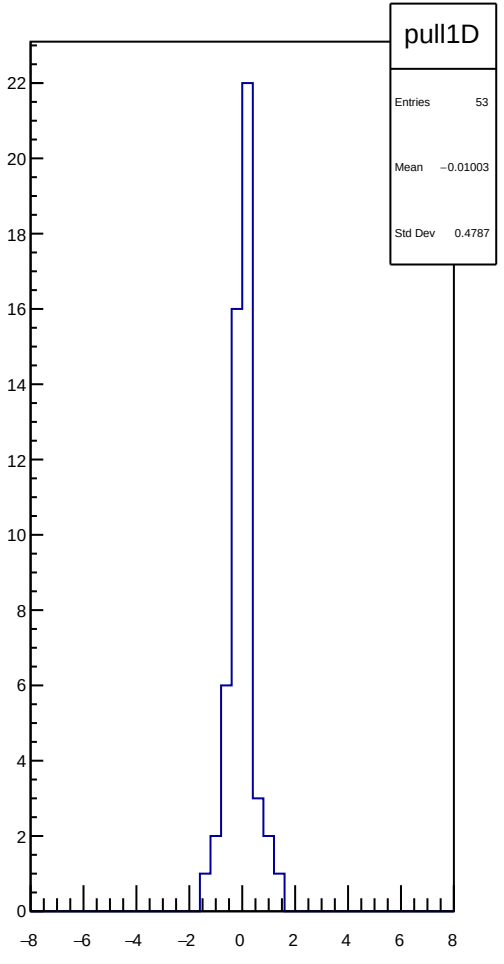

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 44.33 / 52
p0 −34.58 ± 0.123
pull
Entries 53
Mean 3.568e+04
Std Dev 3.565e+04

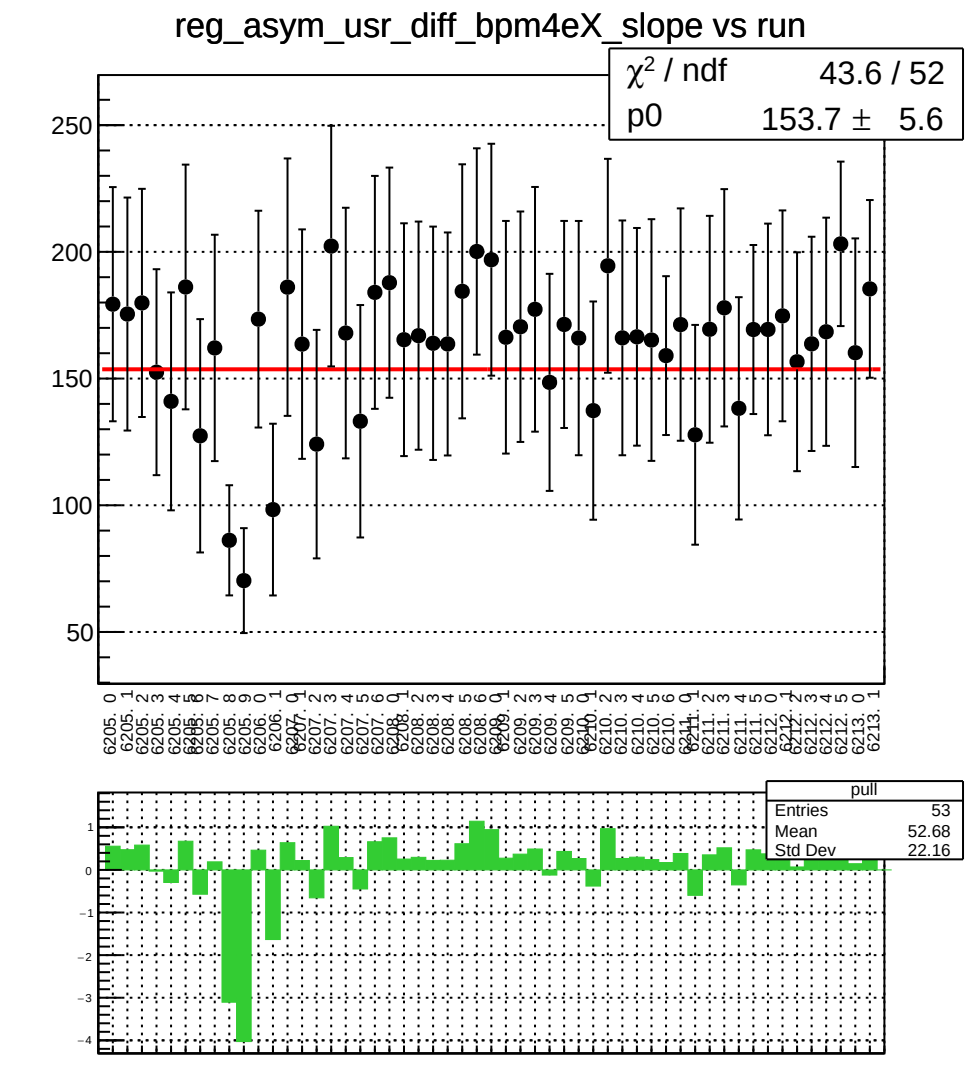

pull1D
Entries 53
Mean 0.0002249
Std Dev 0.9145

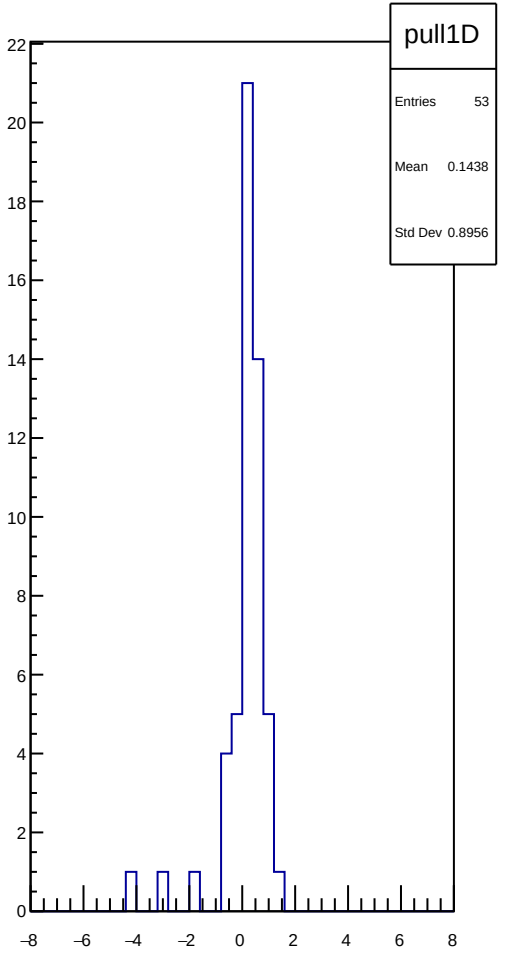

reg_asym_usr_diff_bpm4aX_slope vs run
χ² / ndf 42.49 / 52
p0 −75.75 ± 5.088
pull
Entries 53
Mean 51.03
Std Dev 20.66

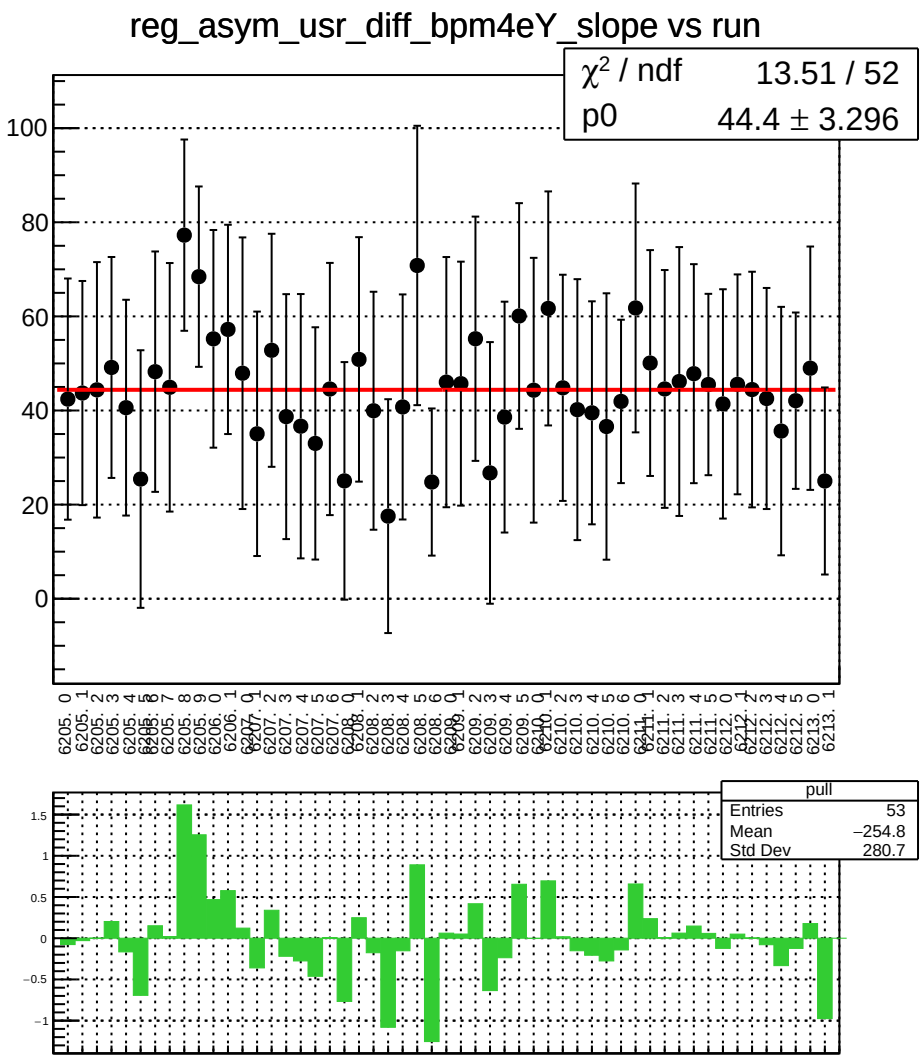

pull1D
Entries 53
Mean −0.1373
Std Dev 0.8848

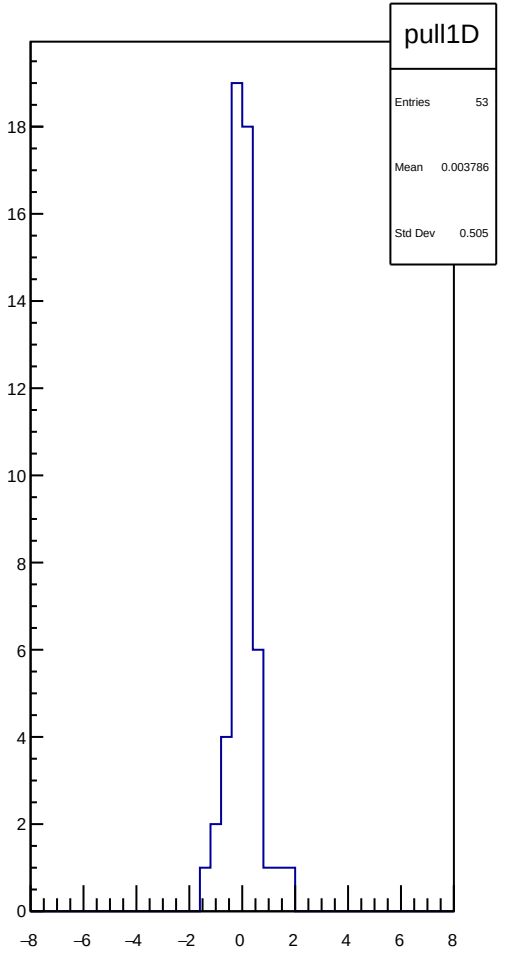

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 12.15 / 52
p0 −19.15 ± 2.967
pull
Entries 53
Mean −68.26
Std Dev 91.43

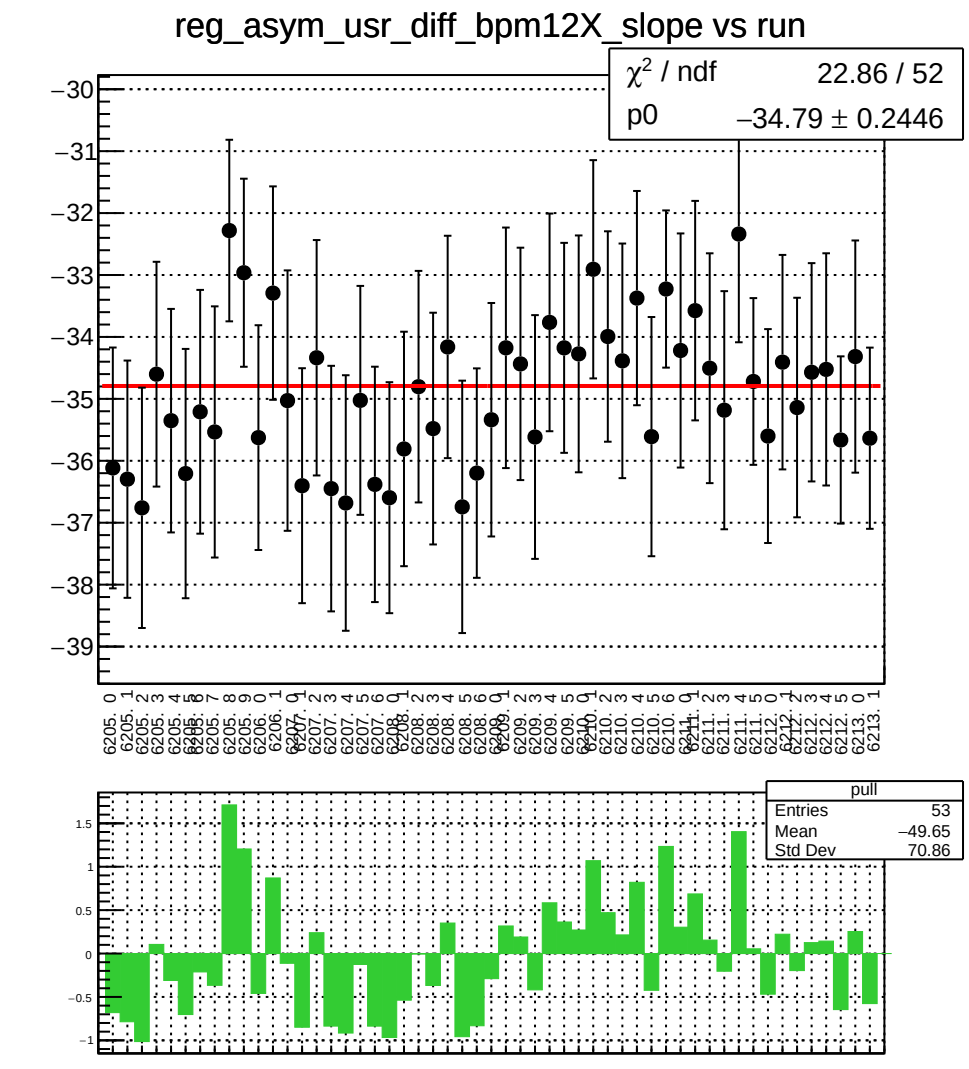

pull1D
Entries 53
Mean −0.01003
Std Dev 0.4787

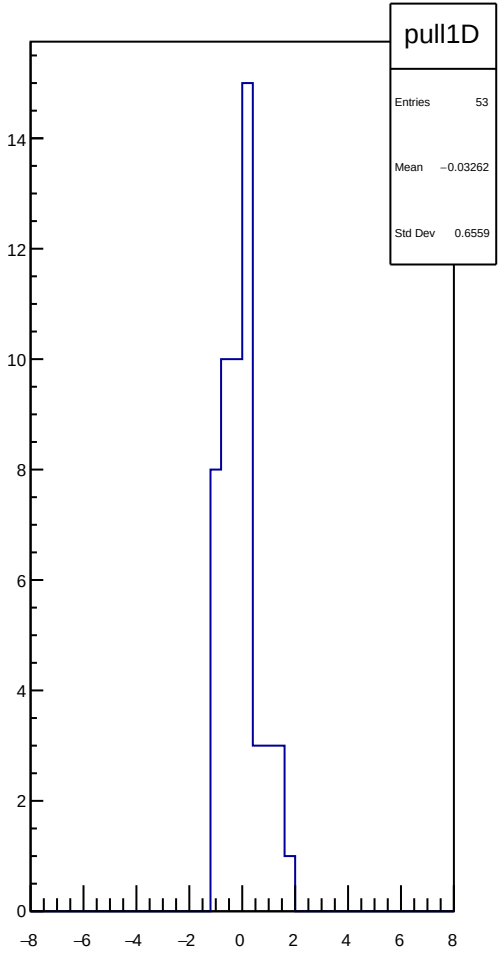

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 43.6 / 52
p0 153.7 ± 5.6
250
200
150
100
50
pull
Entries 53
Mean 52.68
Std Dev 22.16
1
0
−1
−2
−3
−4

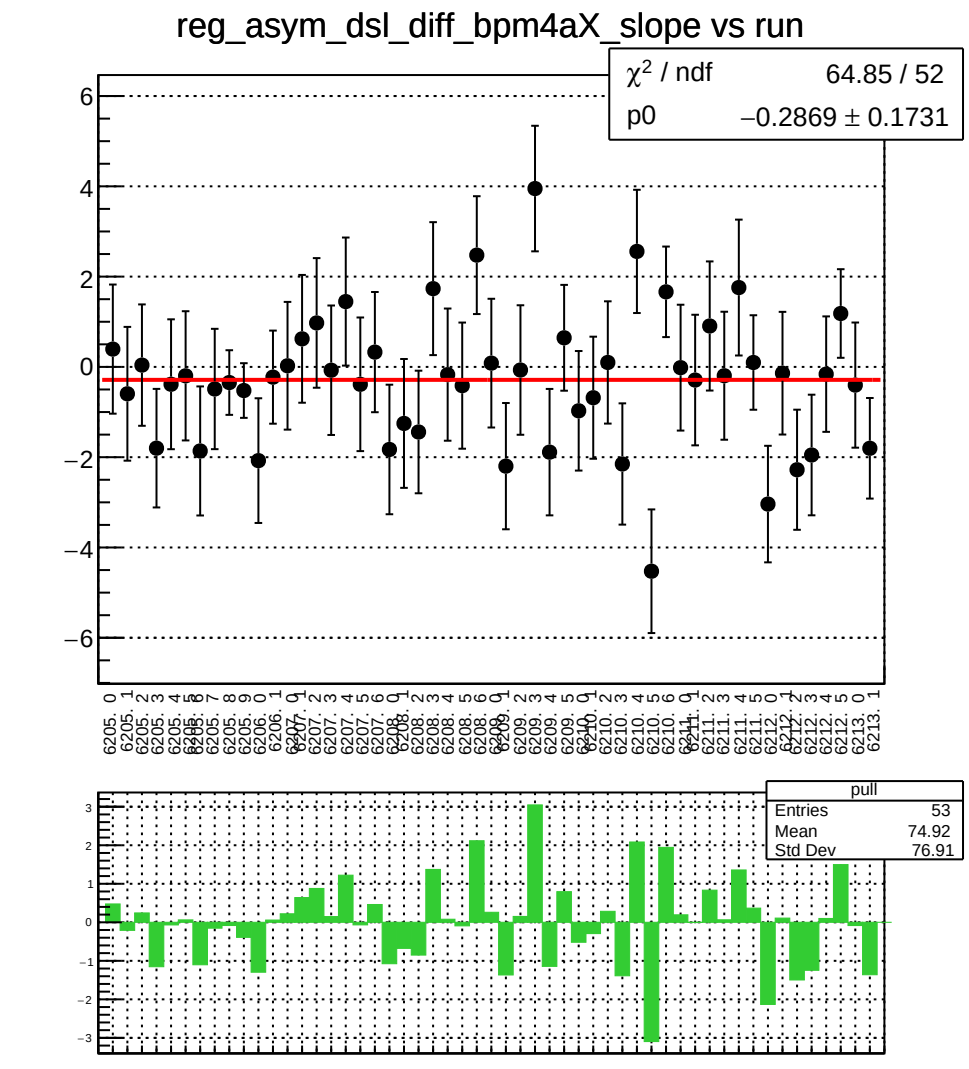

pull1D
Entries 53
Mean 0.1438
Std Dev 0.8956
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

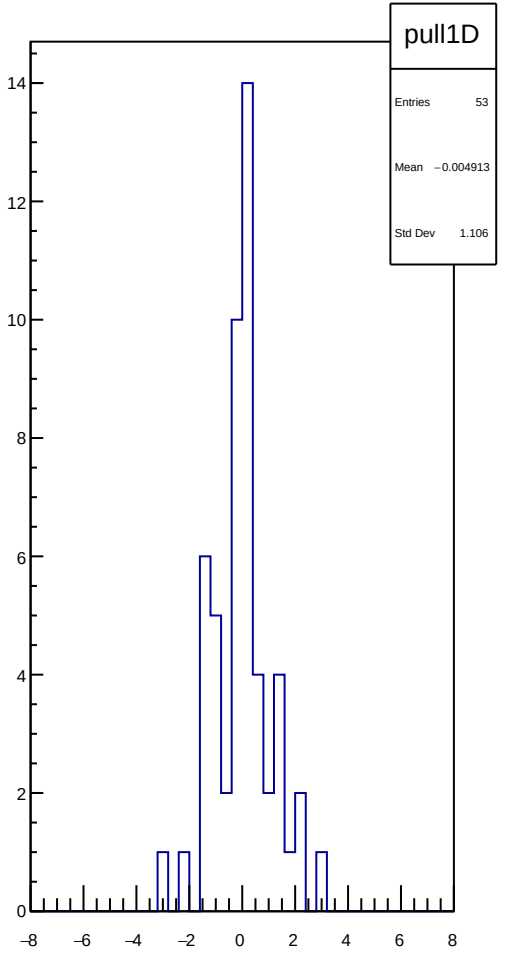

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 13.51 / 52
p0 44.4 ± 3.296
pull
Entries 53
Mean −254.8
Std Dev 280.7

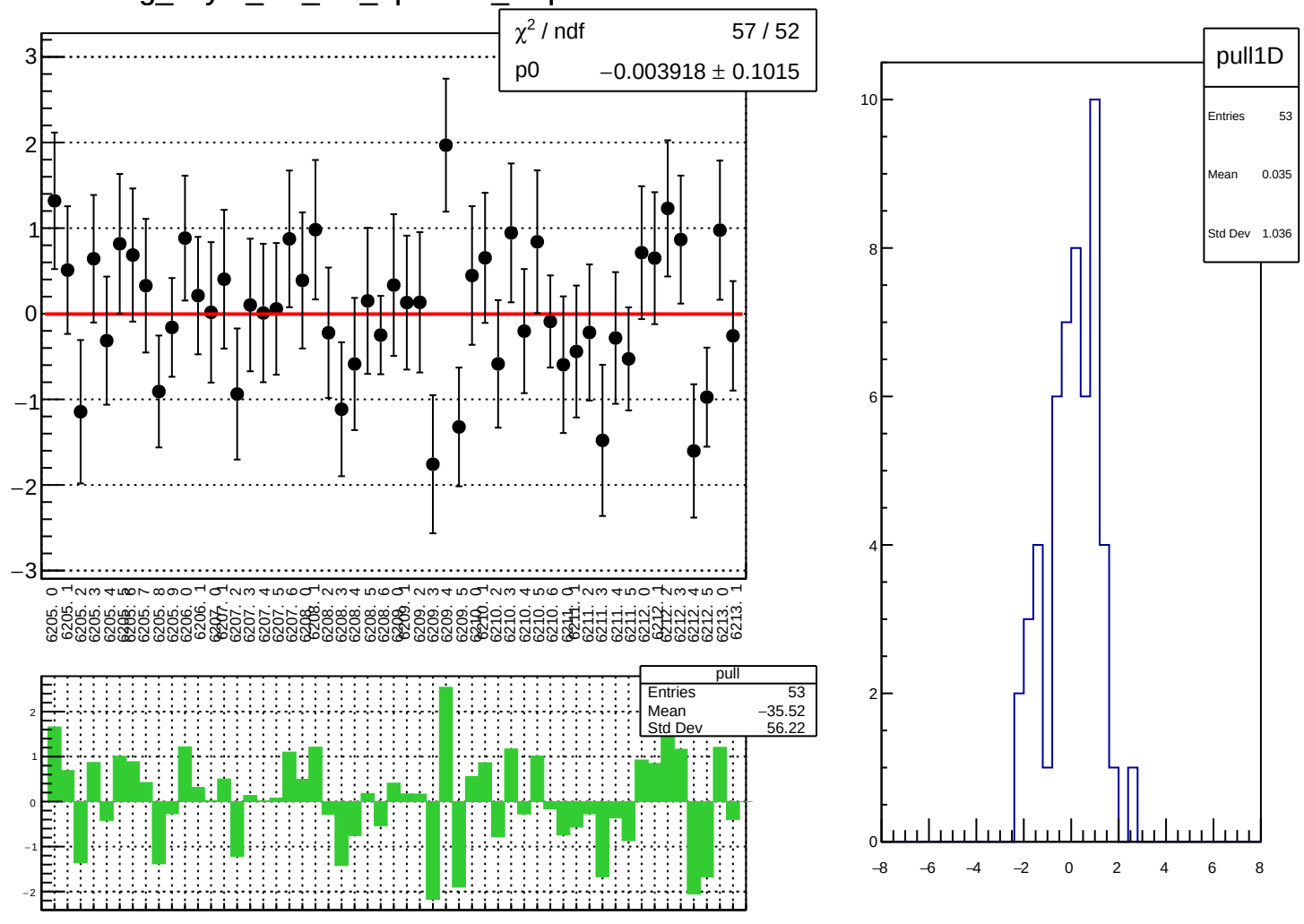

pull1D
Entries 53
Mean 0.003786
Std Dev 0.505

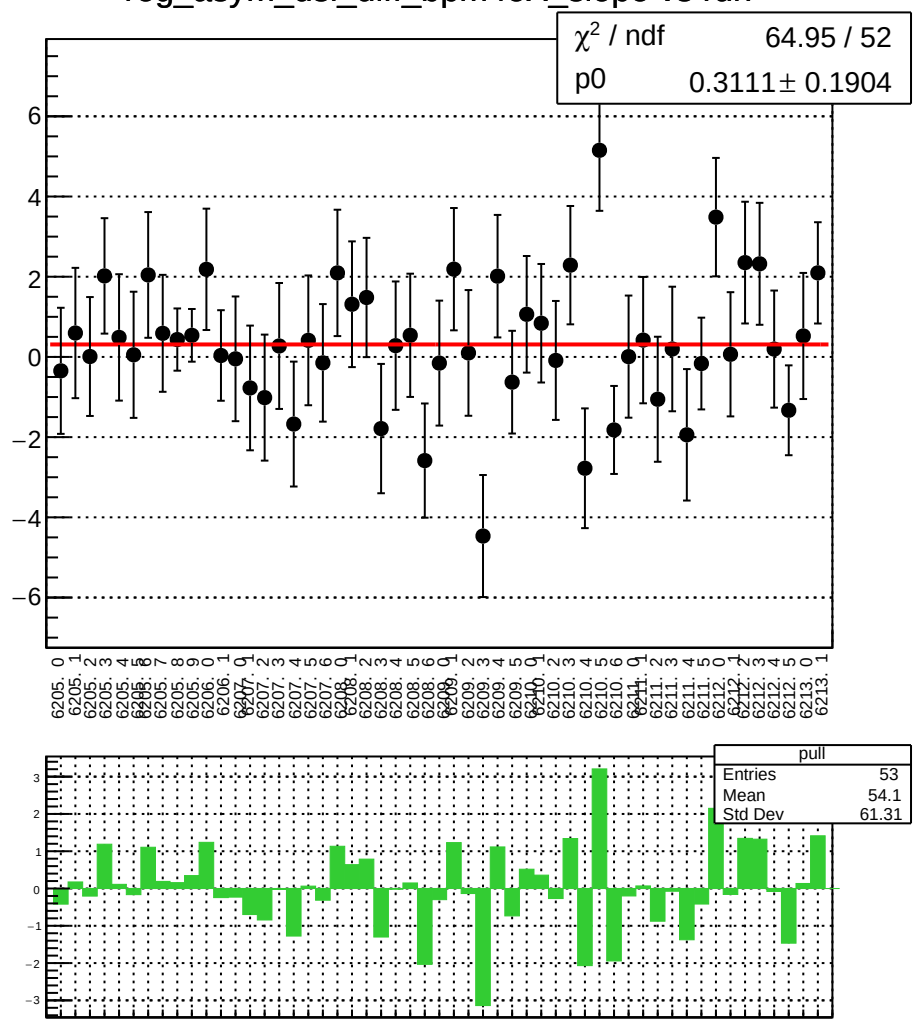

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 22.86 / 52
p0 −34.79 ± 0.2446
pull
Entries 53
Mean −49.65
Std Dev 70.86

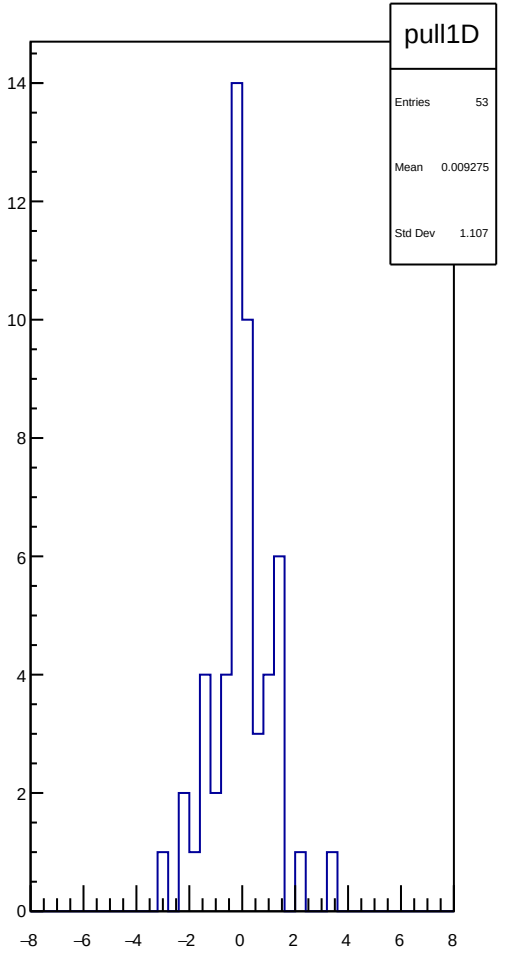

pull1D
Entries 53
Mean −0.03262
Std Dev 0.6559

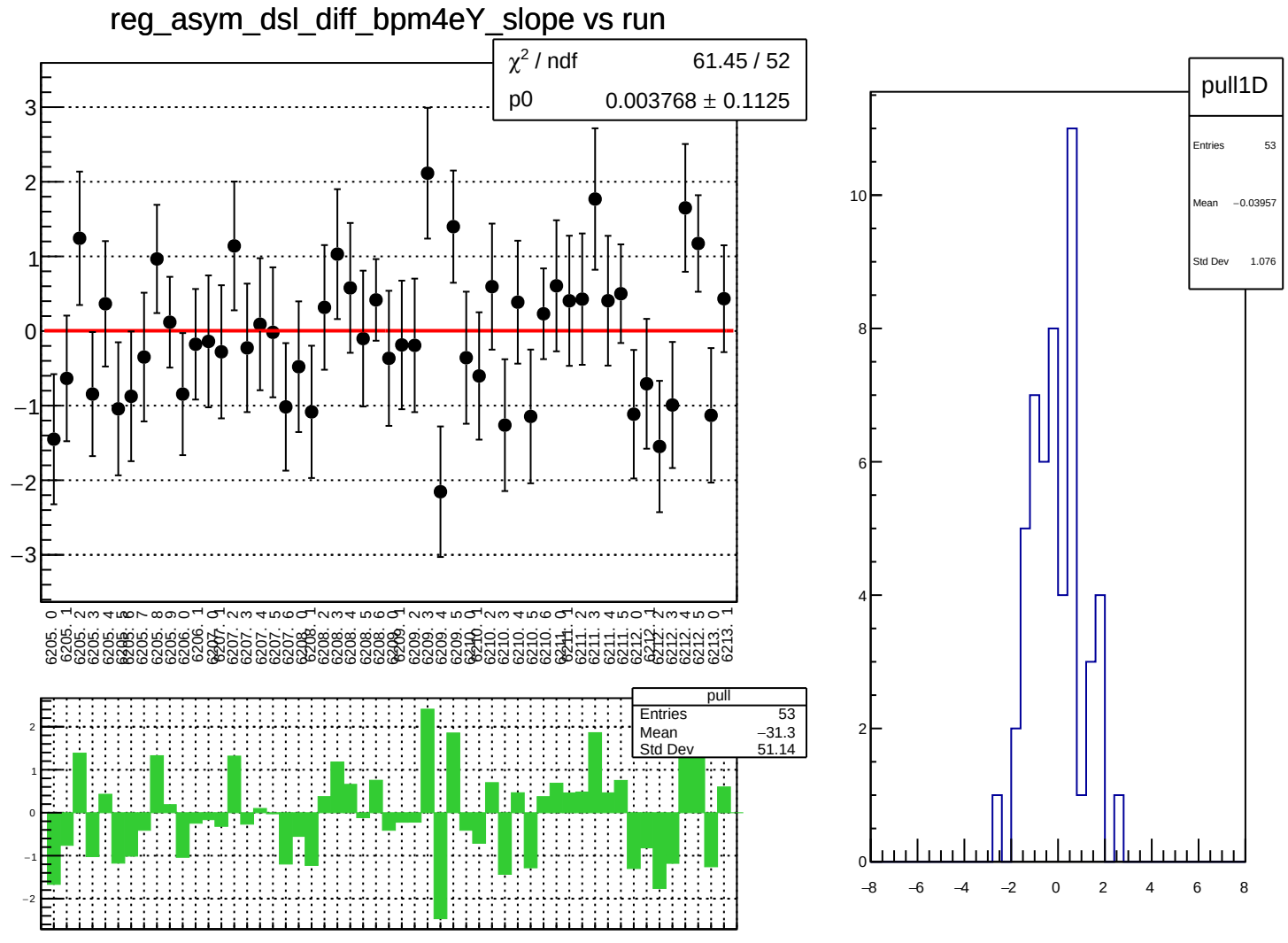

reg_asym_dsl_diff_bpm4aX_slope vs run
χ² / ndf 64.85 / 52
p0 −0.2869 ± 0.1731
pull
Entries 53
Mean 74.92
Std Dev 76.91

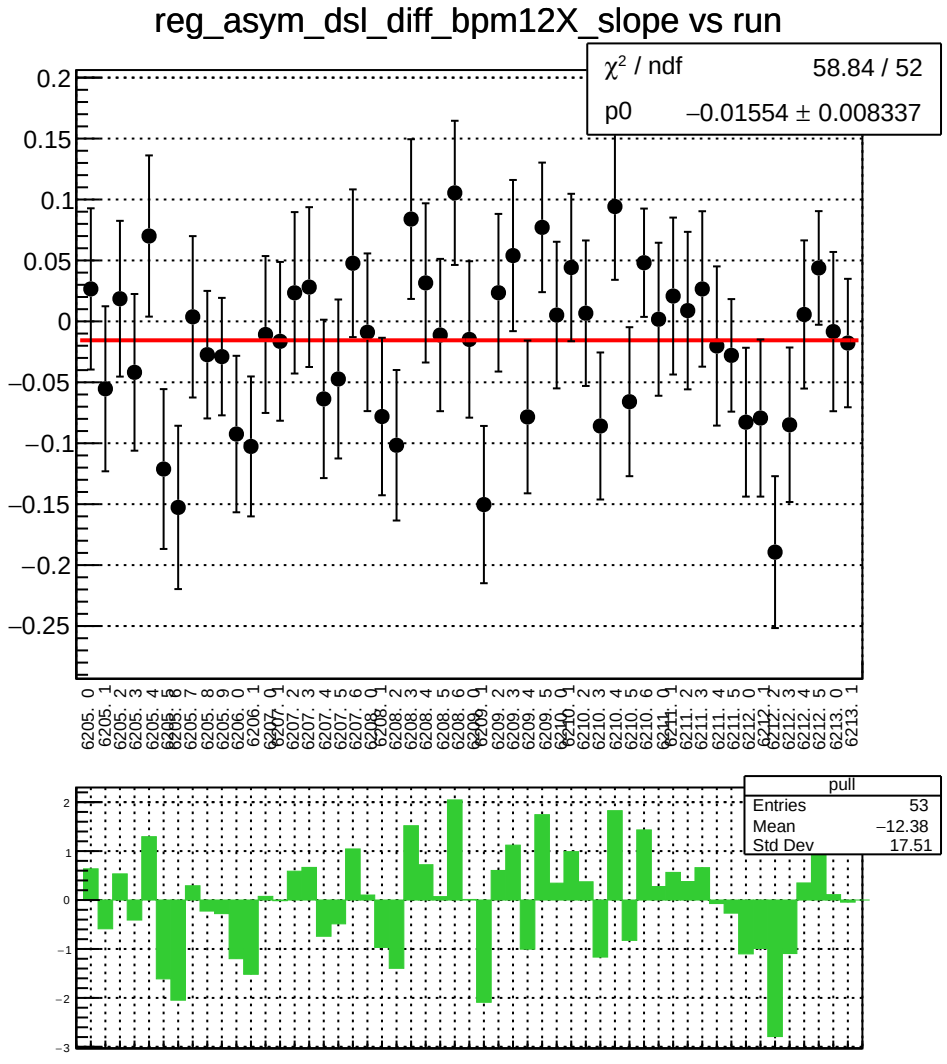

pull1D
Entries 53
Mean −0.004913
Std Dev 1.106

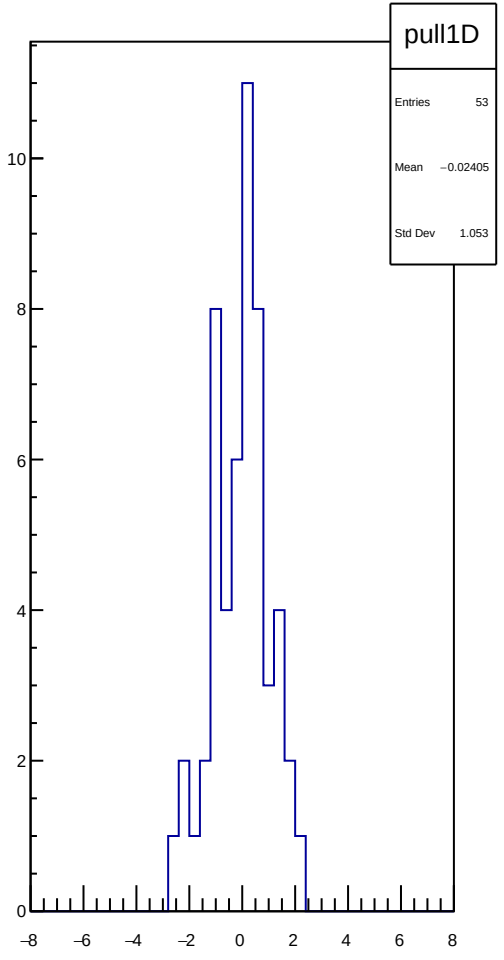

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 57 / 52
p0 −0.003918 ± 0.1015
pull
Entries 53
Mean −35.52
Std Dev 56.22
pull1D
Entries 53
Mean 0.035
Std Dev 1.036

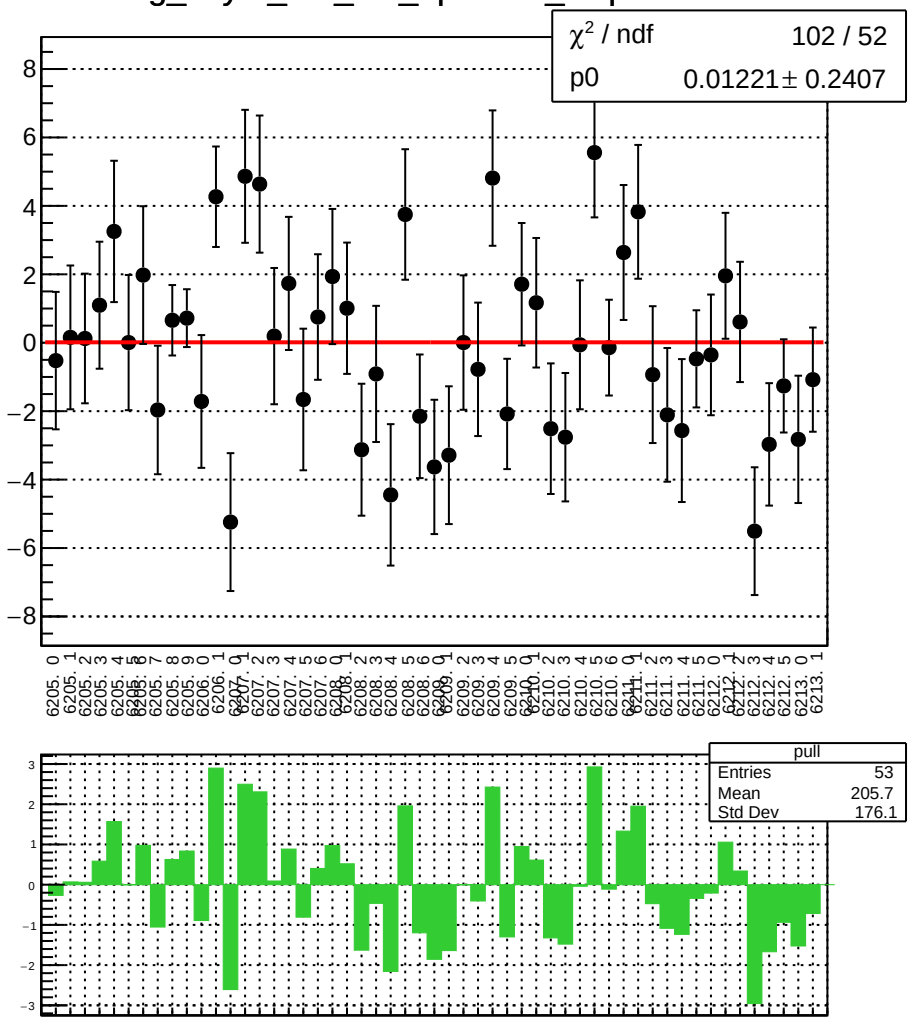

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 64.95 / 52
p0 0.3111 ± 0.1904
pull
Entries 53
Mean 54.1
Std Dev 61.31

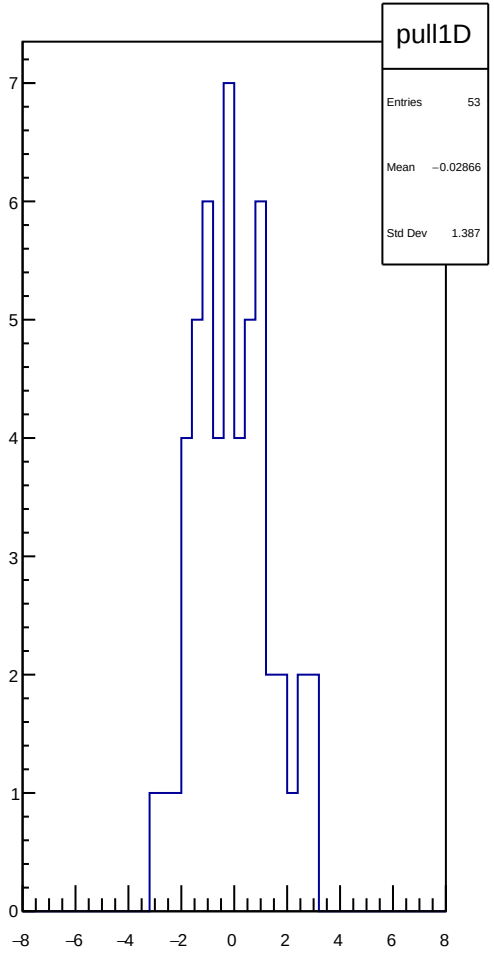

pull1D
Entries 53
Mean 0.009275
Std Dev 1.107

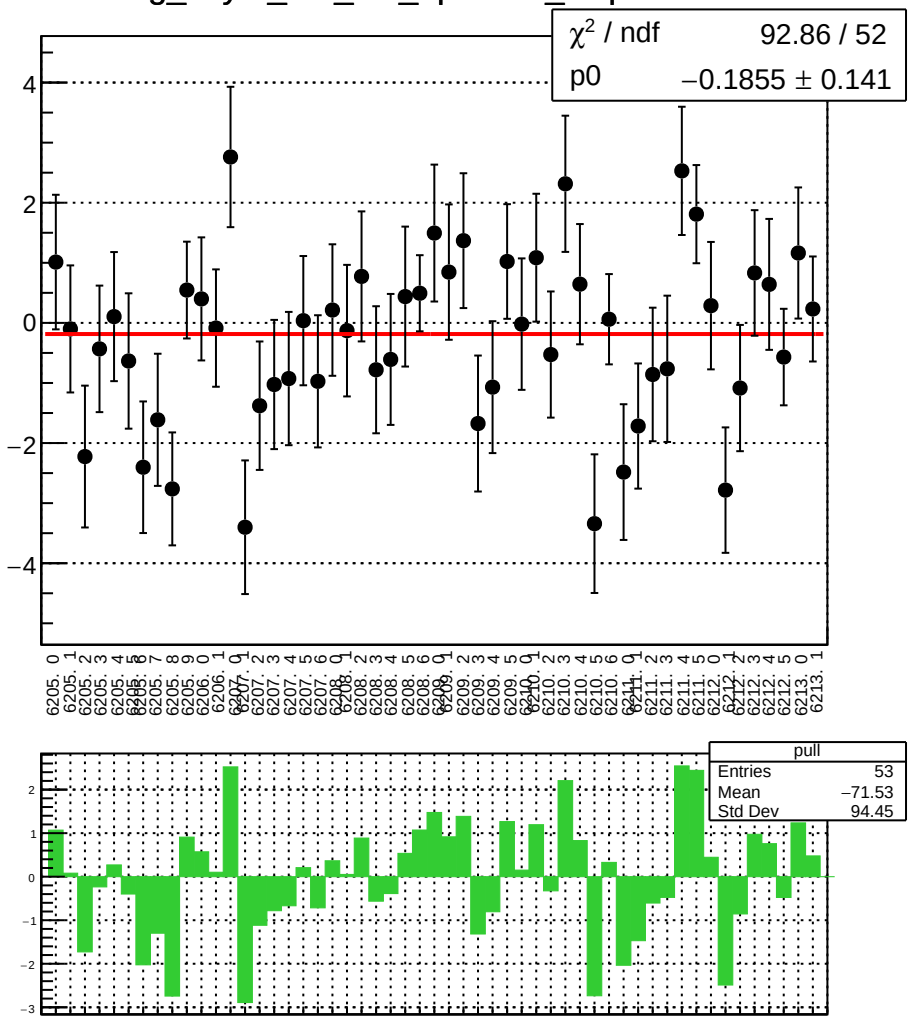

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 61.45 / 52
p0 0.003768 ± 0.1125
pull
Entries 53
Mean −31.3
Std Dev 51.14
pull1D
Entries 53
Mean −0.03957
Std Dev 1.076

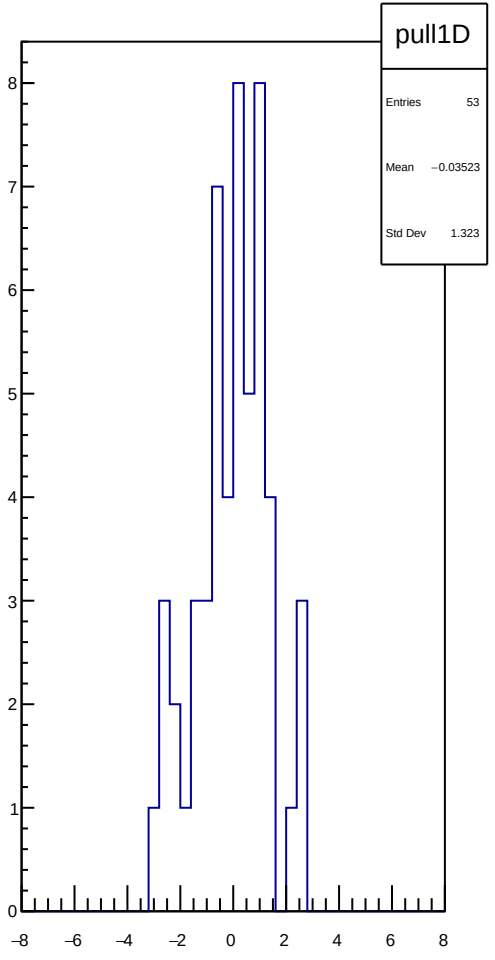

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 58.84 / 52
p0 −0.01554 ± 0.008337
pull
Entries 53
Mean −12.38
Std Dev 17.51

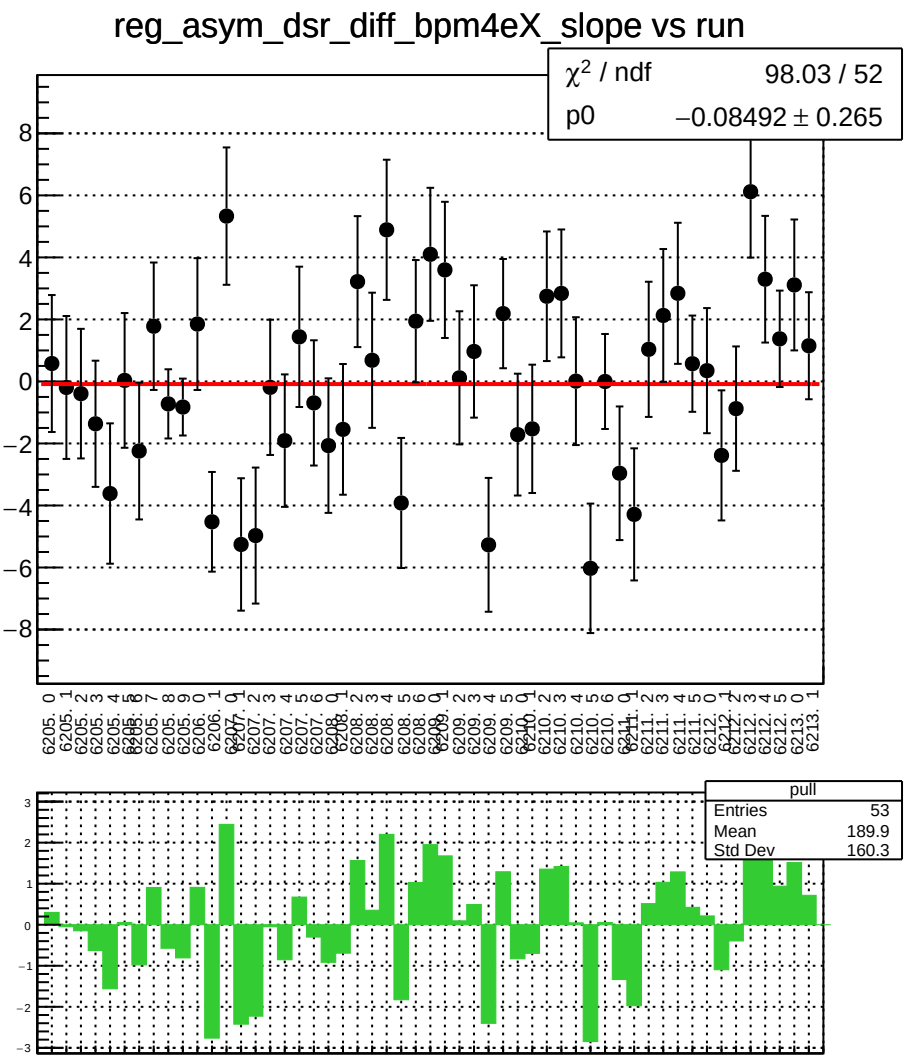

pull1D
Entries 53
Mean −0.02405
Std Dev 1.053

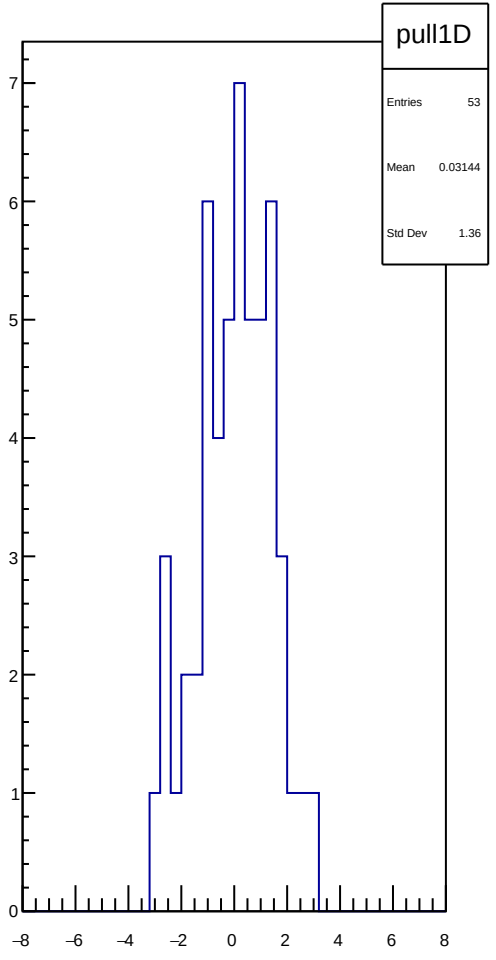

reg_asym_dsr_diff_bpm4aX_slope vs run
χ² / ndf 102 / 52
p0 0.01221 ± 0.2407
pull
Entries 53
Mean 205.7
Std Dev 176.1

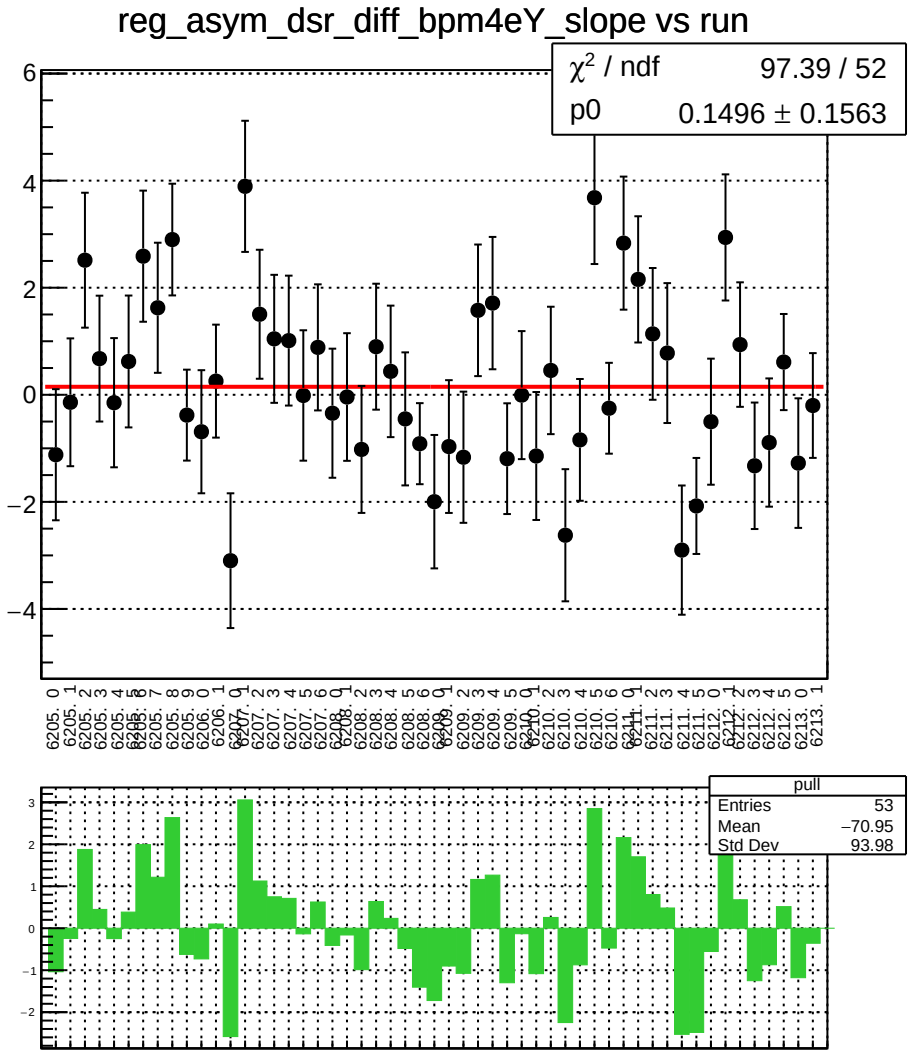

pull1D
Entries 53
Mean −0.02866
Std Dev 1.387

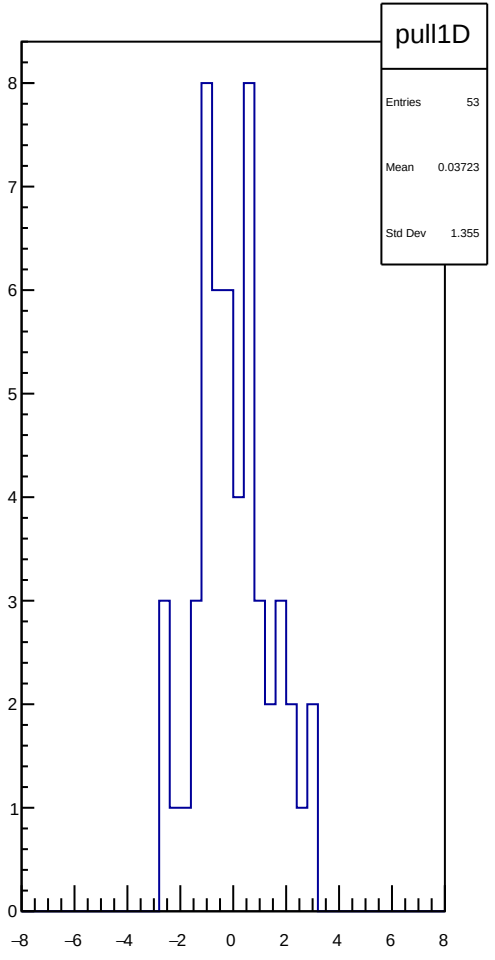

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 92.86 / 52
p0 −0.1855 ± 0.141
pull
Entries 53
Mean −71.53
Std Dev 94.45

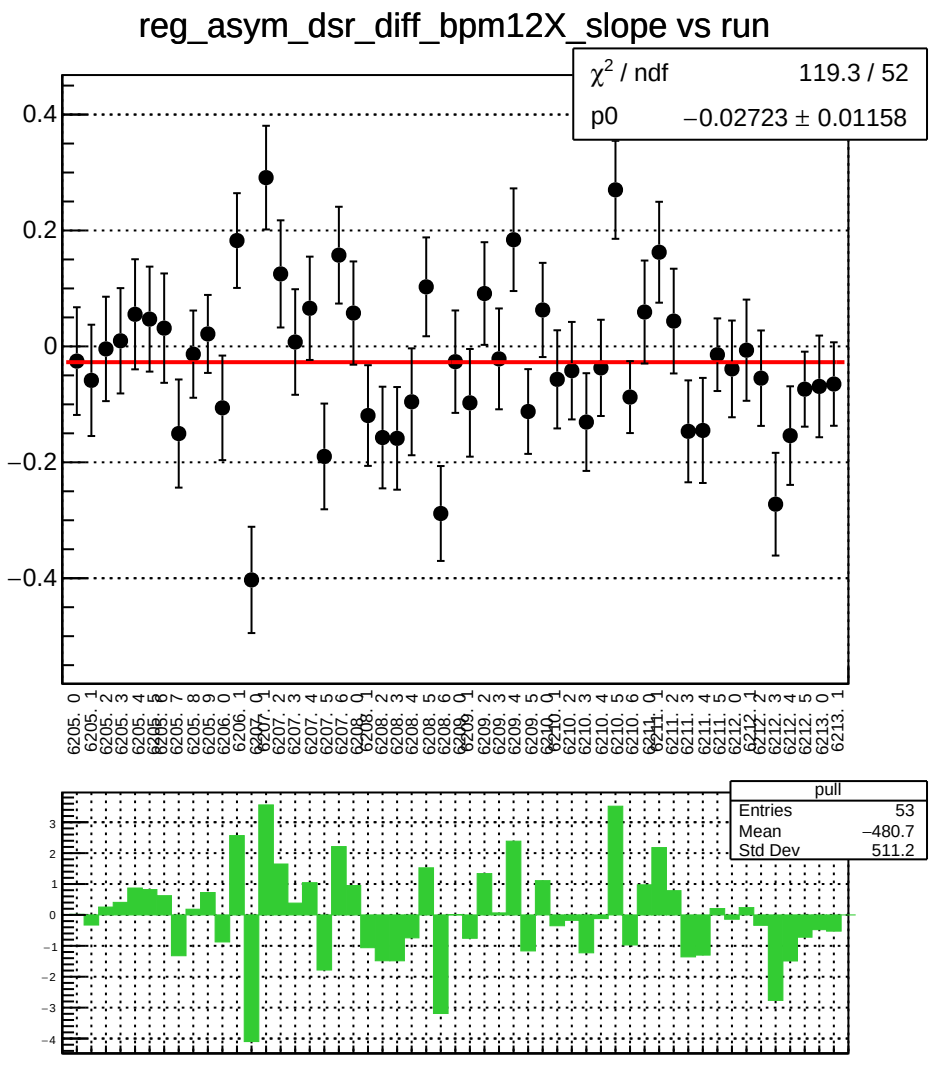

pull1D
Entries 53
Mean −0.03523
Std Dev 1.323

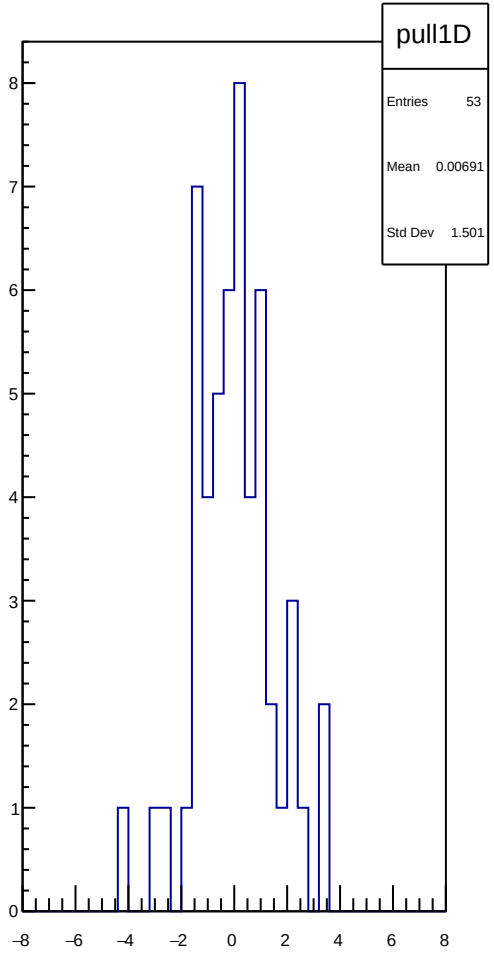

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 98.03 / 52
p0 −0.08492 ± 0.265
pull
Entries 53
Mean 189.9
Std Dev 160.3

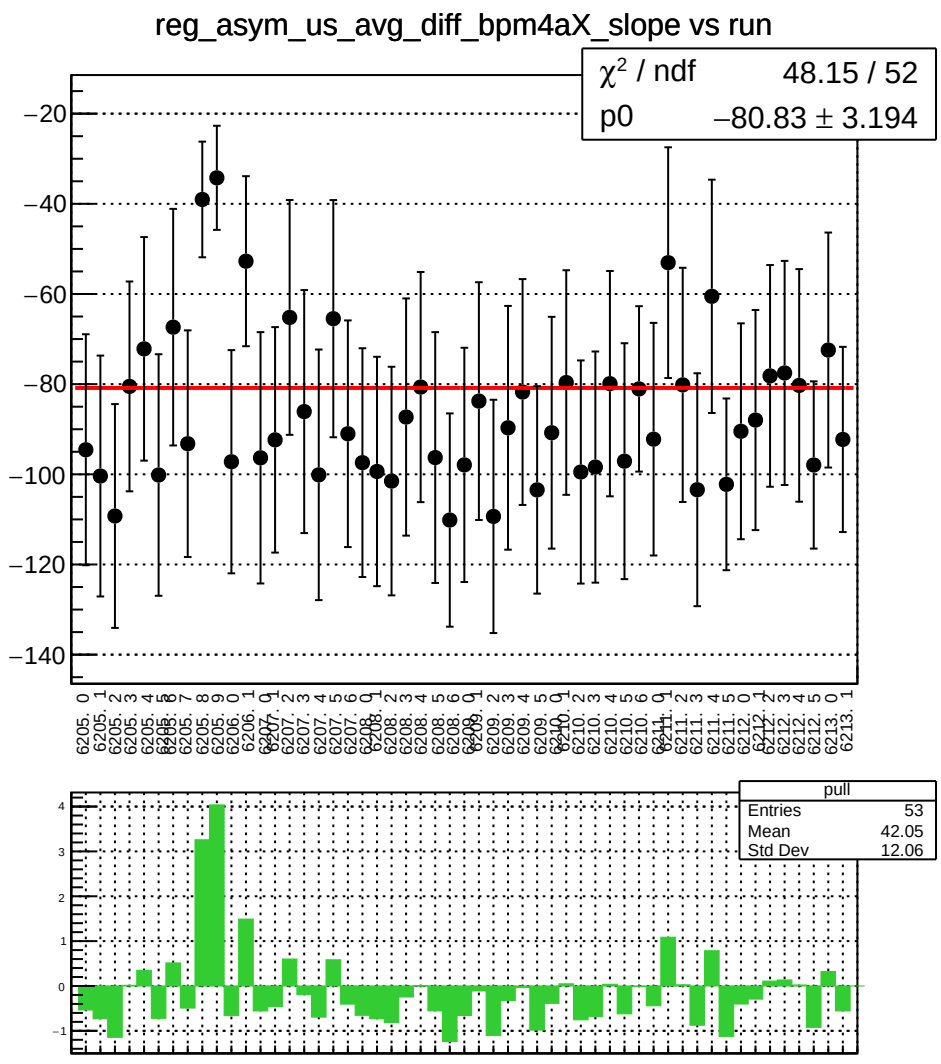

pull1D
Entries 53
Mean 0.03144
Std Dev 1.36

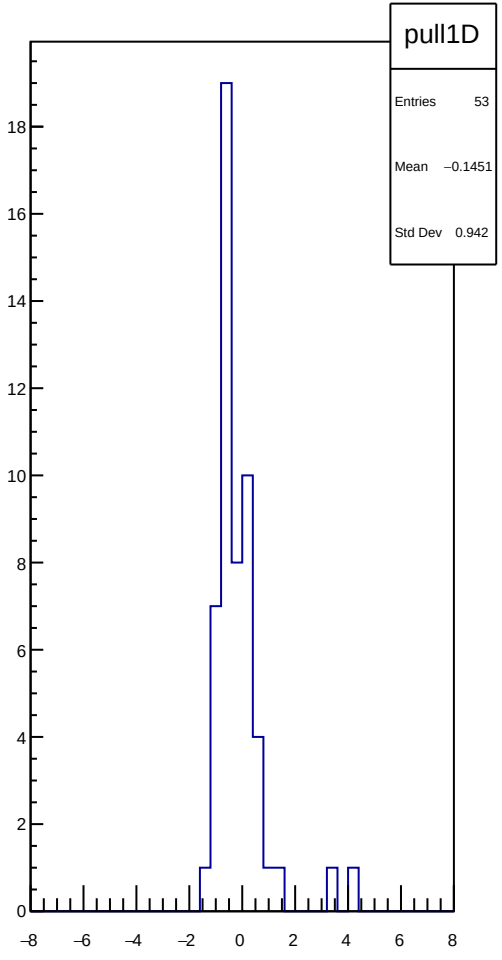

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 97.39 / 52
p0 0.1496 ± 0.1563
pull
Entries 53
Mean −70.95
Std Dev 93.98

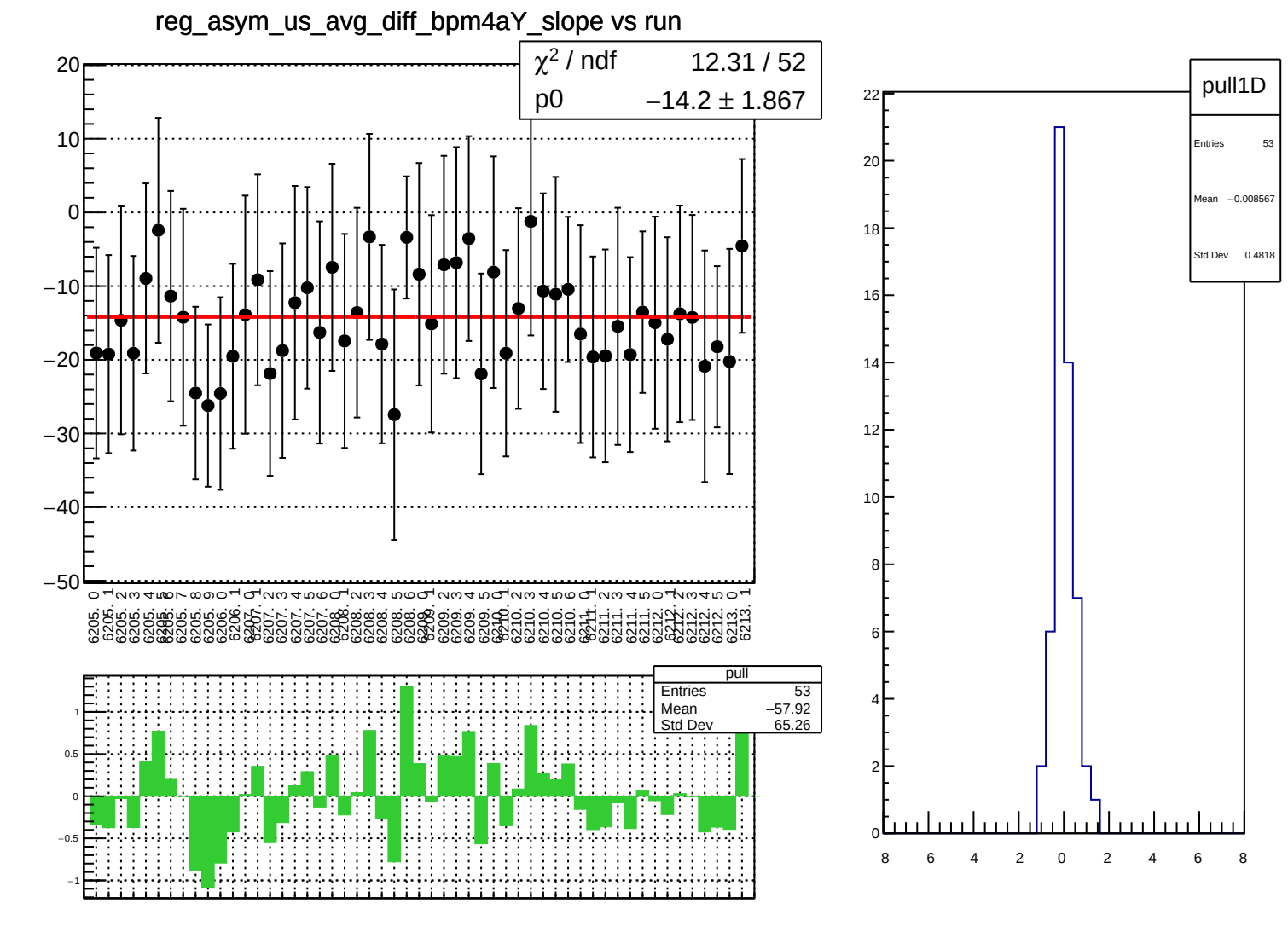

pull1D
Entries 53
Mean 0.03723
Std Dev 1.355

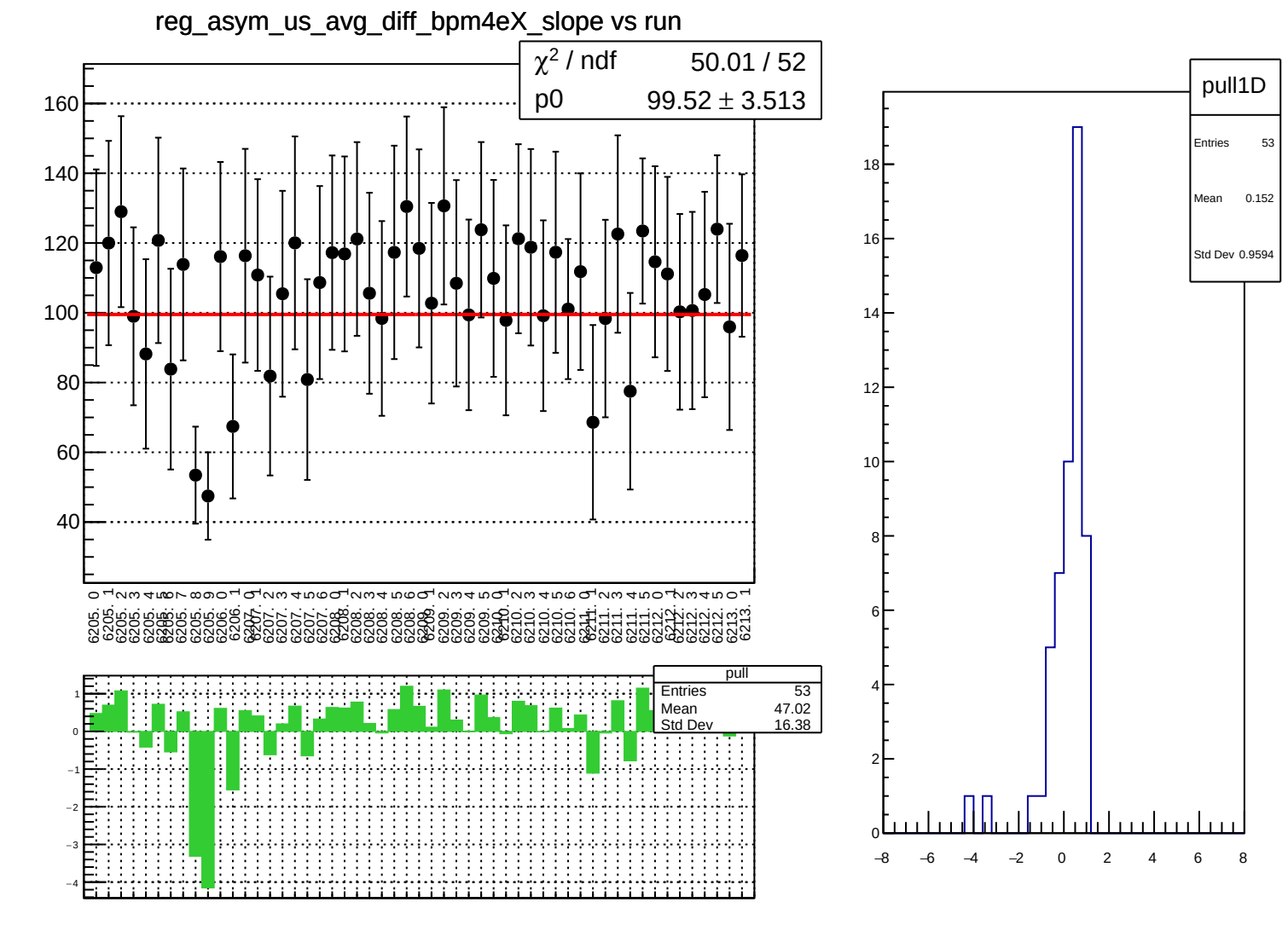

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 119.3 / 52
p0 −0.02723 ± 0.01158
pull
Entries 53
Mean −480.7
Std Dev 511.2

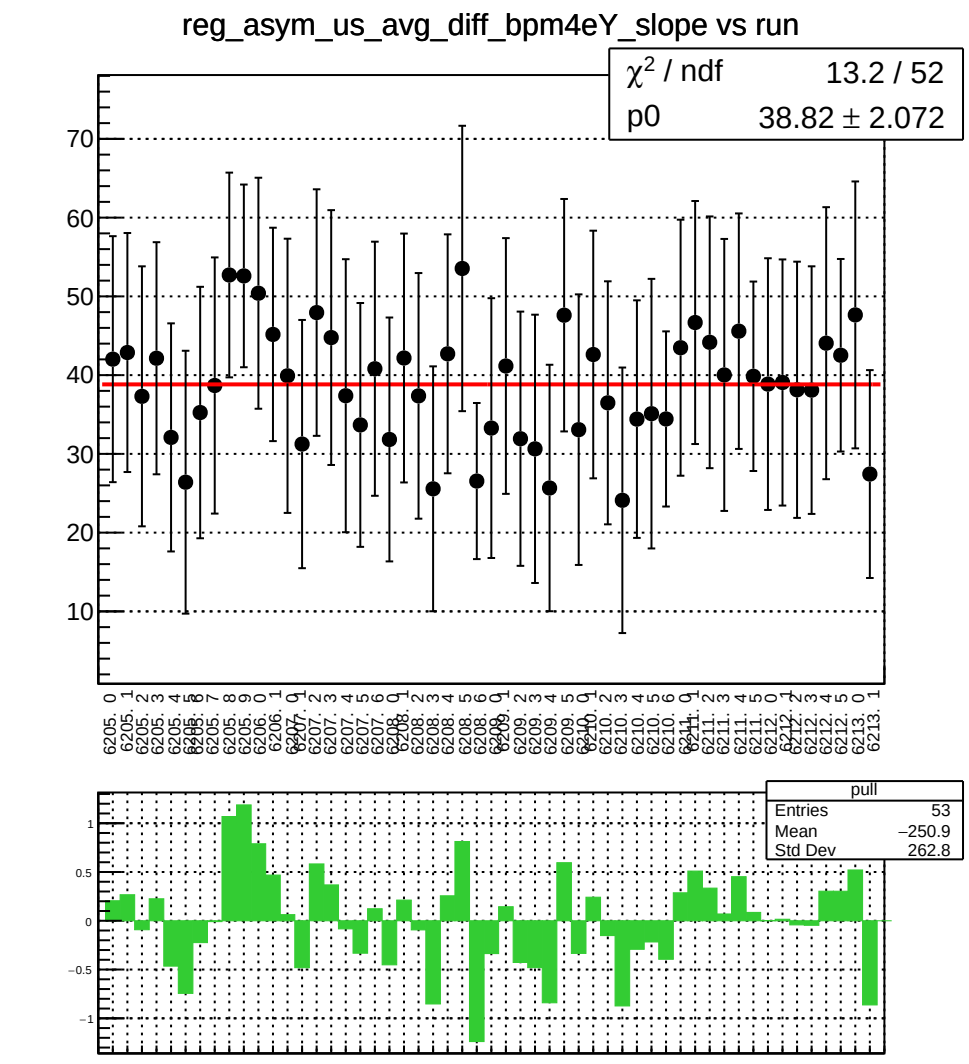

pull1D
Entries 53
Mean 0.00691
Std Dev 1.501

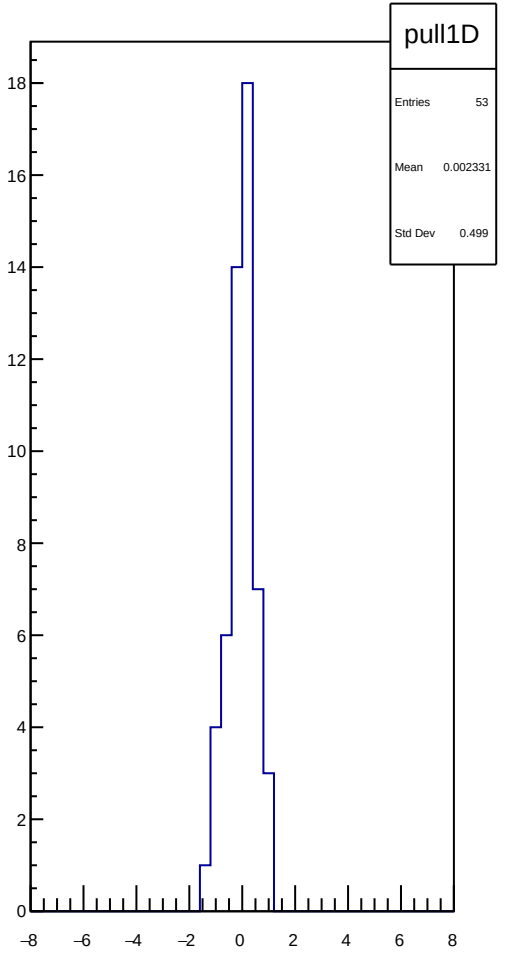

reg_asym_us_avg_diff_bpm4aX_slope vs run
χ² / ndf 48.15 / 52
p0 −80.83 ± 3.194
pull
Entries 53
Mean 42.05
Std Dev 12.06

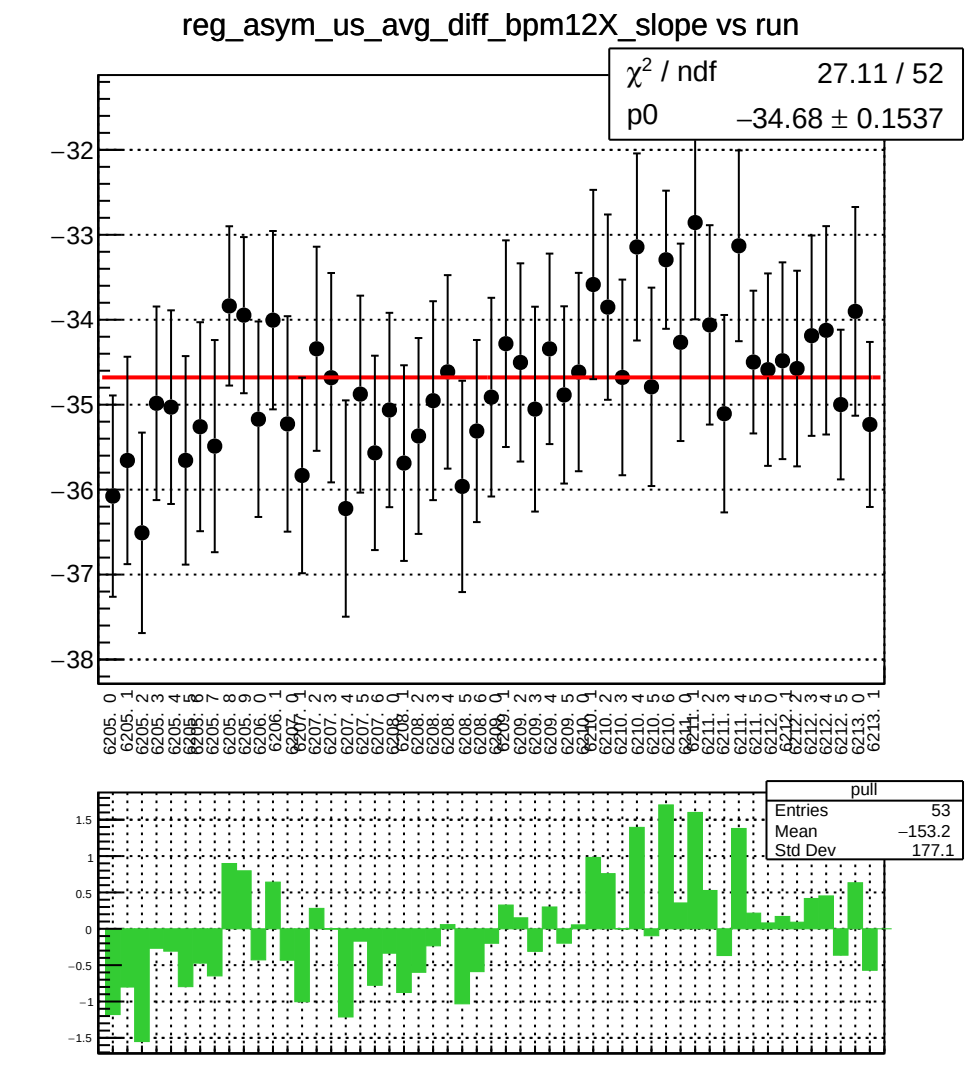

pull1D
Entries 53
Mean −0.1451
Std Dev 0.942

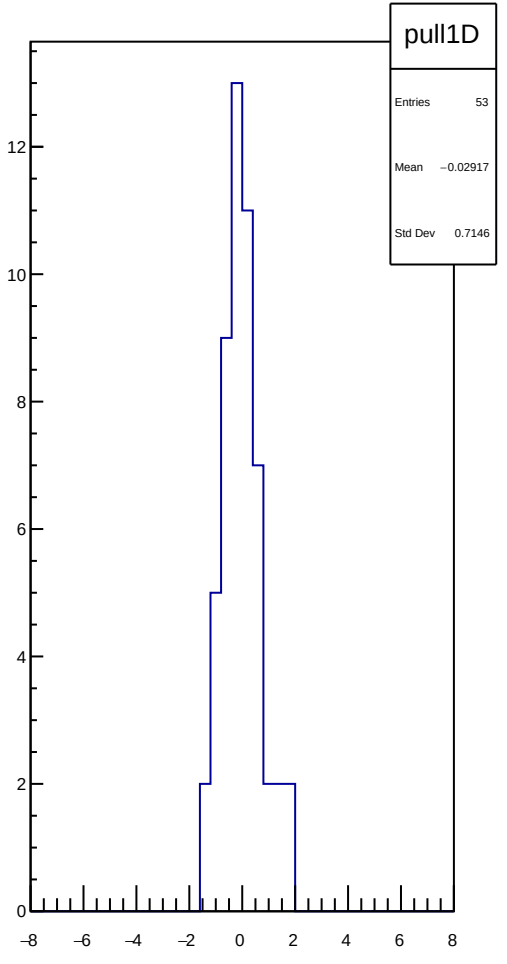

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.31 / 52
p0 −14.2 ± 1.867
pull
Entries 53
Mean −57.92
Std Dev 65.26
pull1D
Entries 53
Mean −0.008567
Std Dev 0.4818

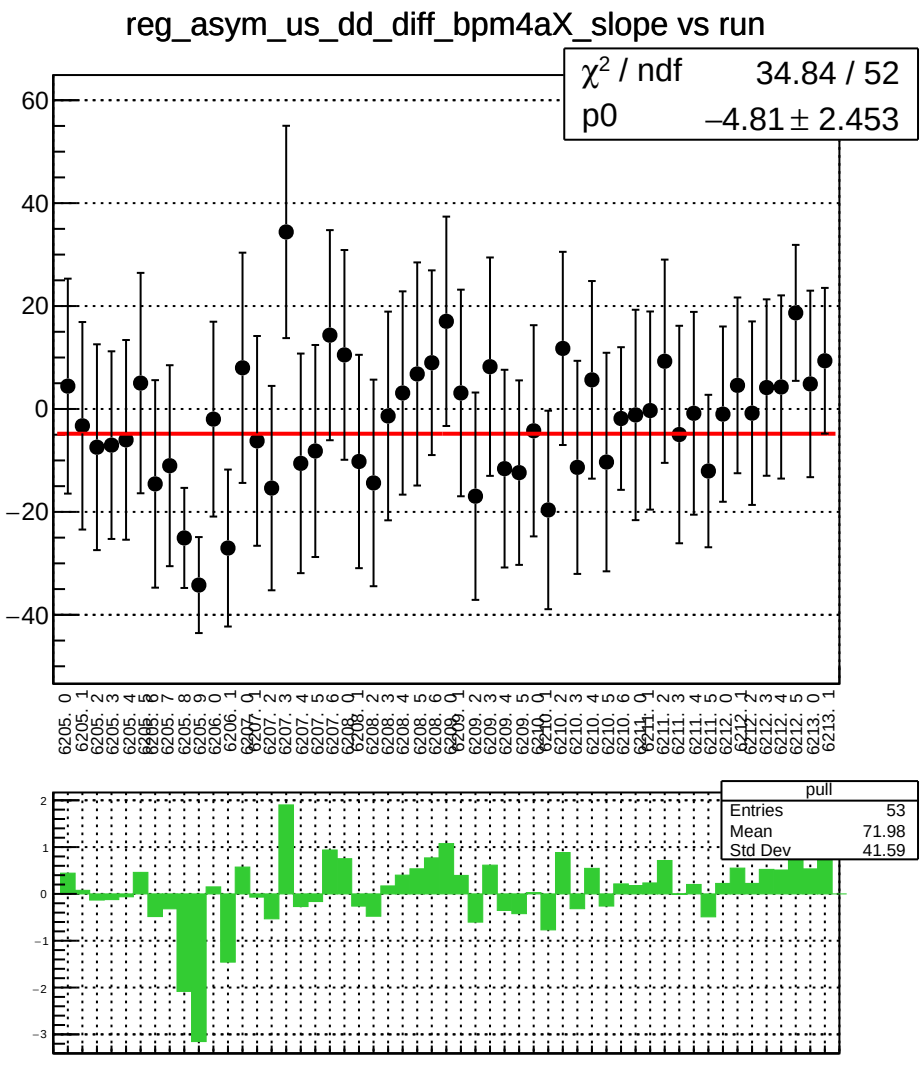

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 50.01 / 52
p0 99.52 ± 3.513
pull
Entries 53
Mean 47.02
Std Dev 16.38
pull1D
Entries 53
Mean 0.152
Std Dev 0.9594

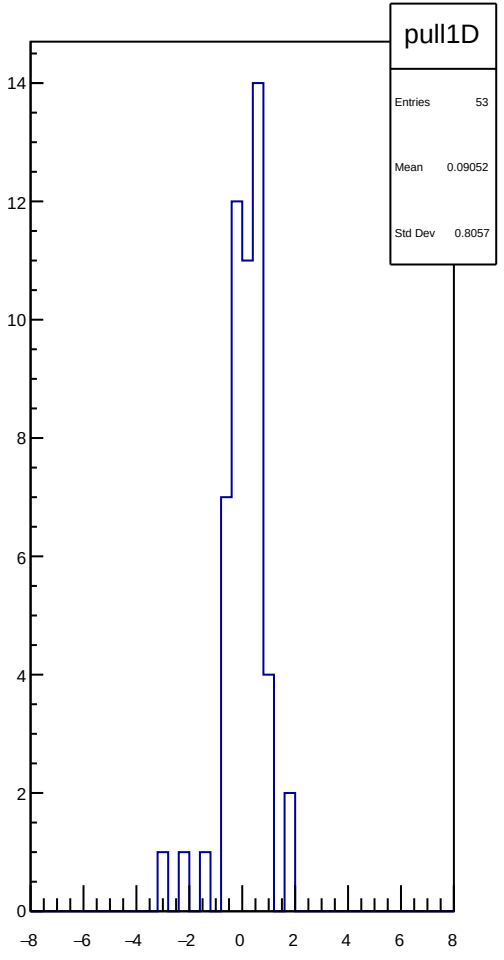

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.2 / 52
p0 38.82 ± 2.072
pull
Entries 53
Mean −250.9
Std Dev 262.8

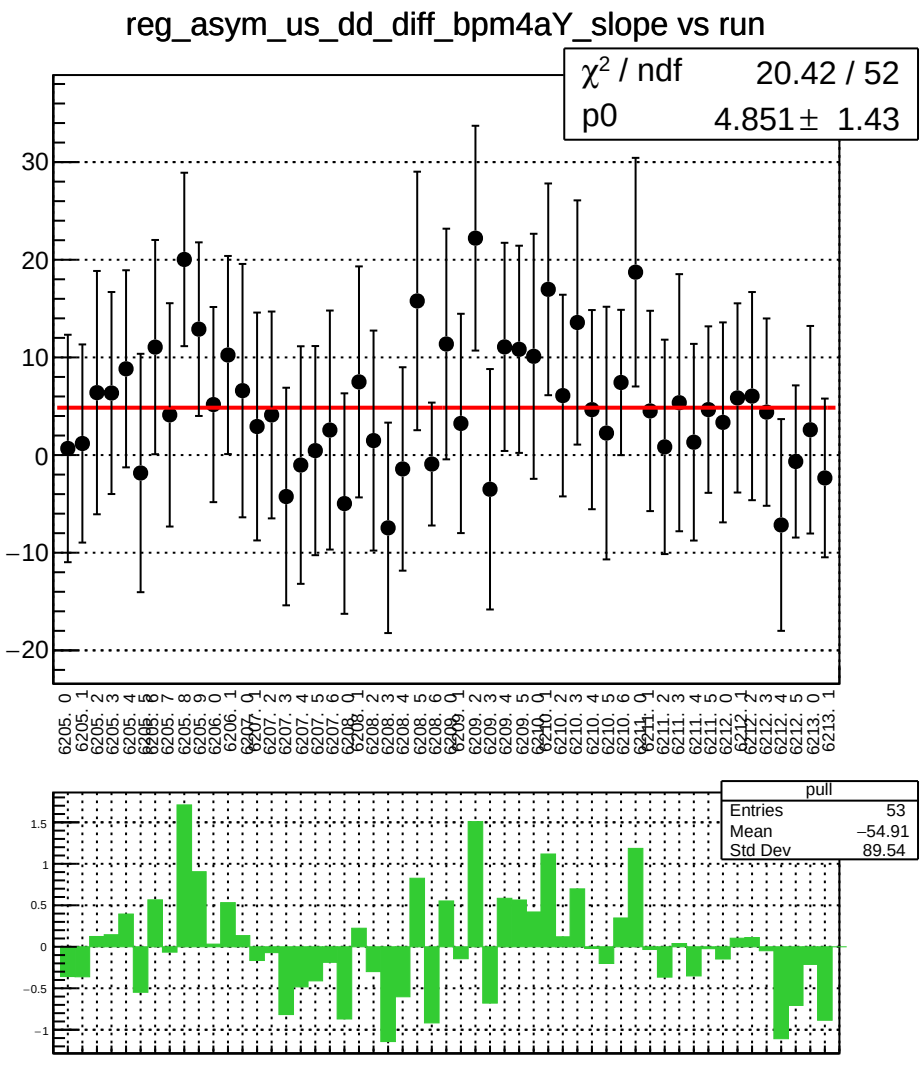

pull1D
Entries 53
Mean 0.002331
Std Dev 0.499

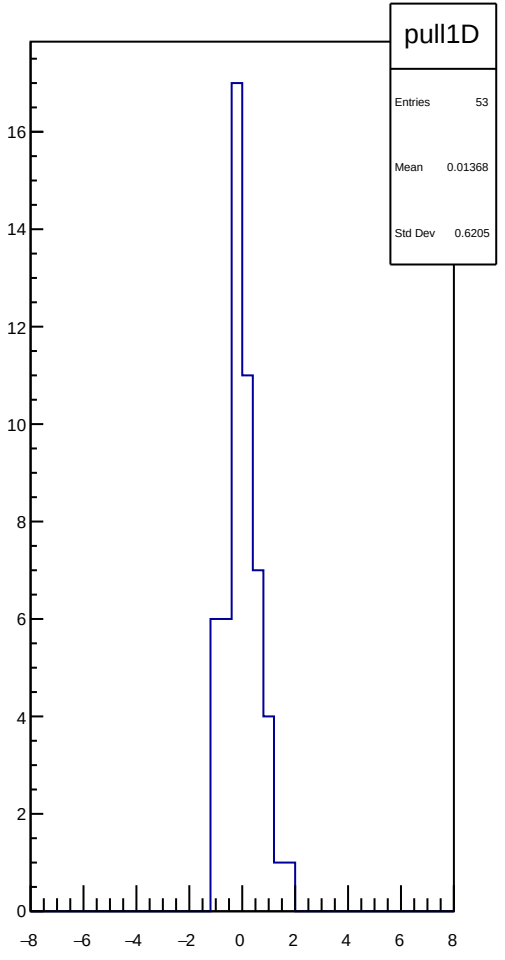

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 27.11 / 52
p0 −34.68 ± 0.1537
pull
Entries 53
Mean −153.2
Std Dev 177.1

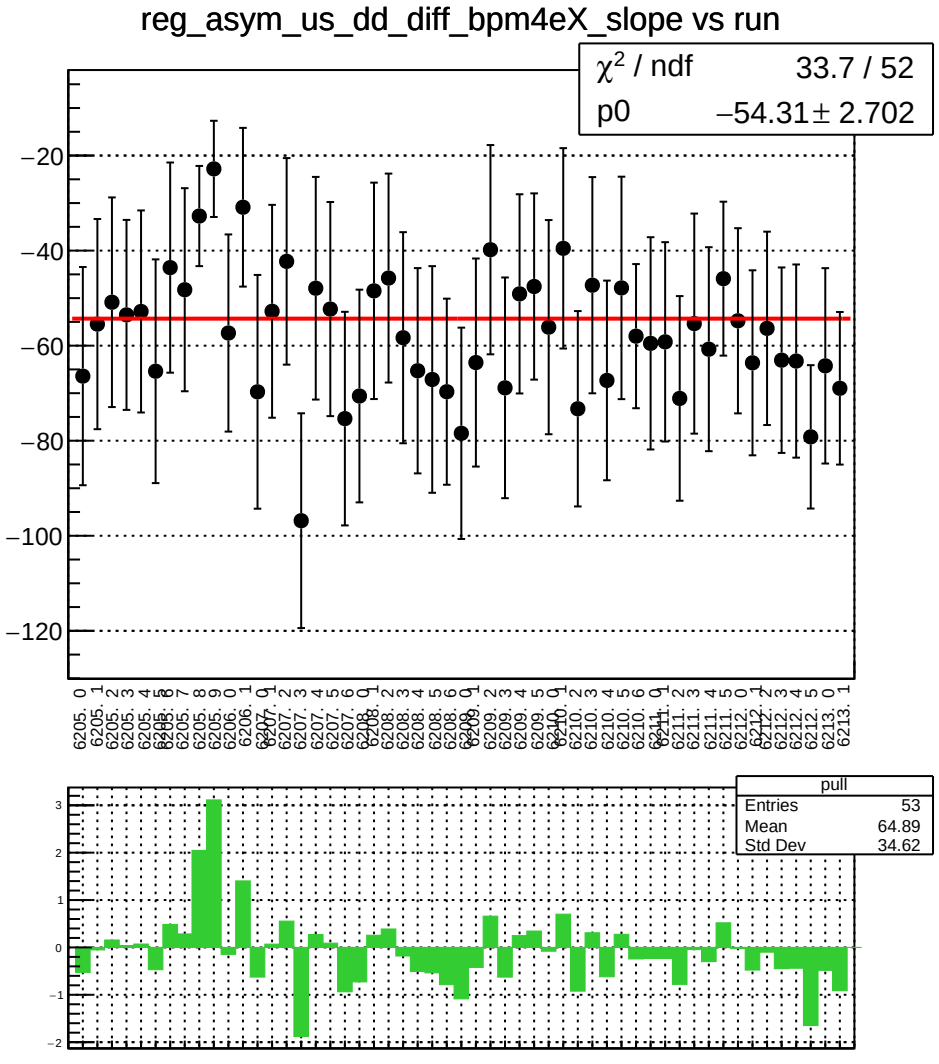

pull1D
Entries 53
Mean −0.02917
Std Dev 0.7146

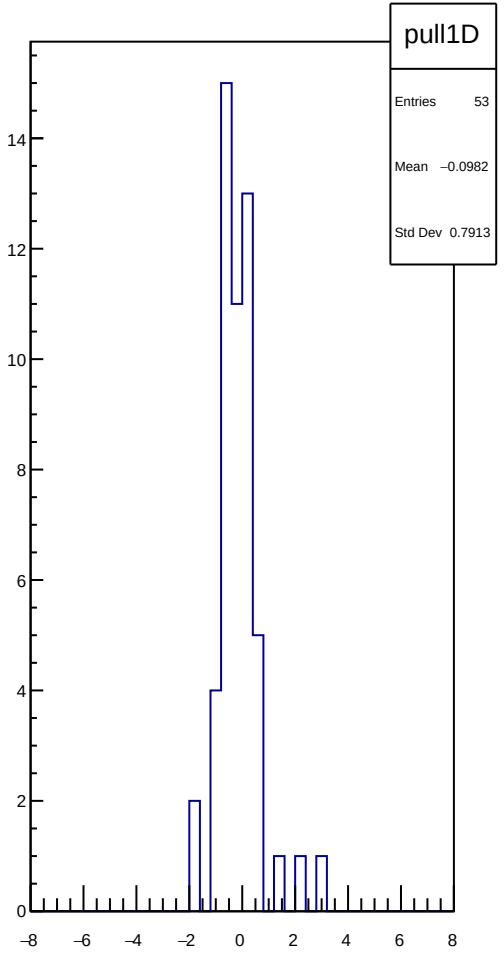

reg_asym_us_dd_diff_bpm4aX_slope vs run
χ² / ndf 34.84 / 52
p0 −4.81 ± 2.453
pull
Entries 53
Mean 71.98
Std Dev 41.59

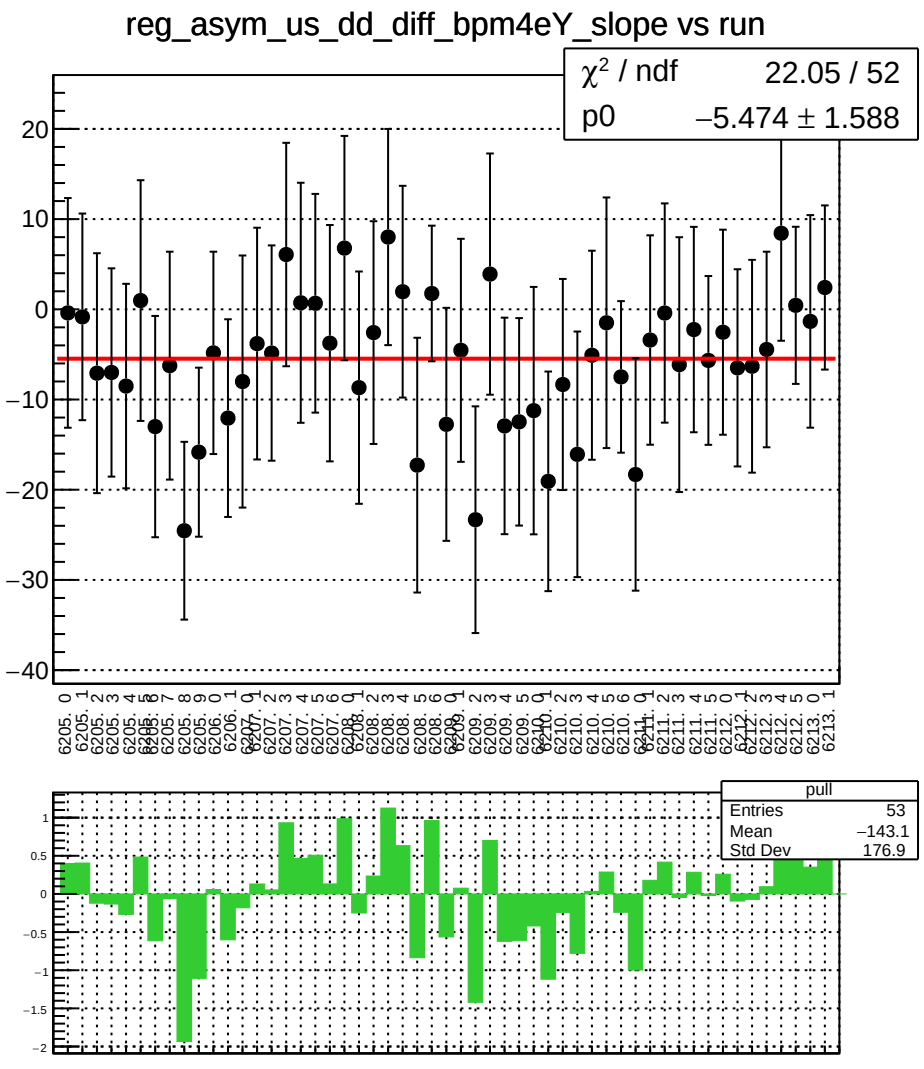

pull1D
Entries 53
Mean 0.09052
Std Dev 0.8057

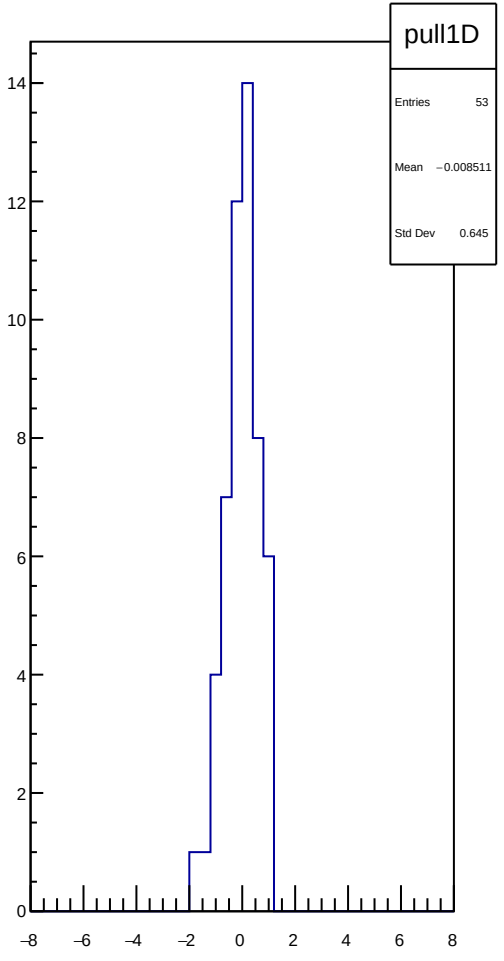

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 20.42 / 52
p0 4.851 ± 1.43
pull
Entries 53
Mean −54.91
Std Dev 89.54

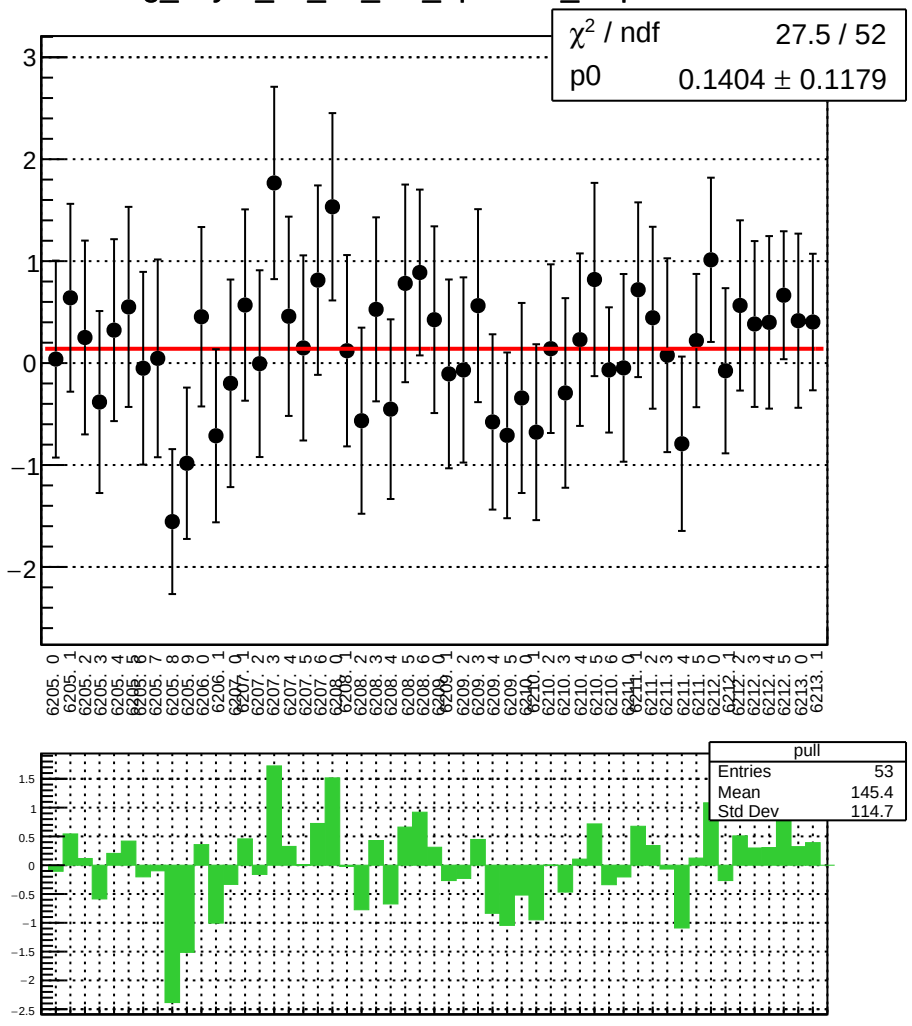

pull1D
Entries 53
Mean 0.01368
Std Dev 0.6205

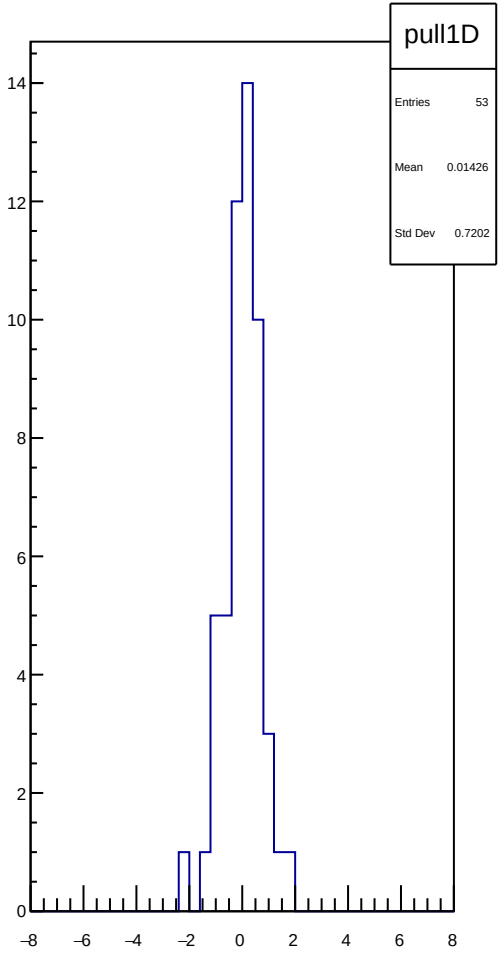

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 33.7 / 52
p0 −54.31 ± 2.702
pull
Entries 53
Mean 64.89
Std Dev 34.62

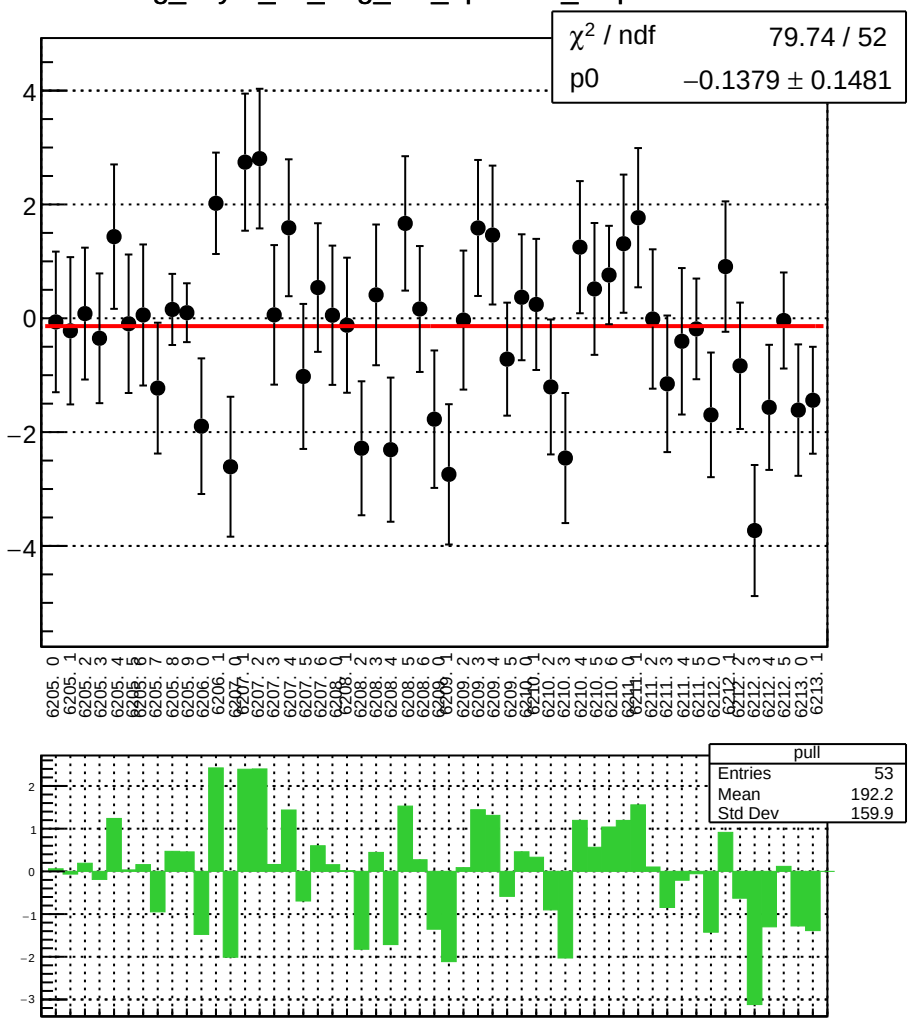

pull1D
Entries 53
Mean −0.0982
Std Dev 0.7913

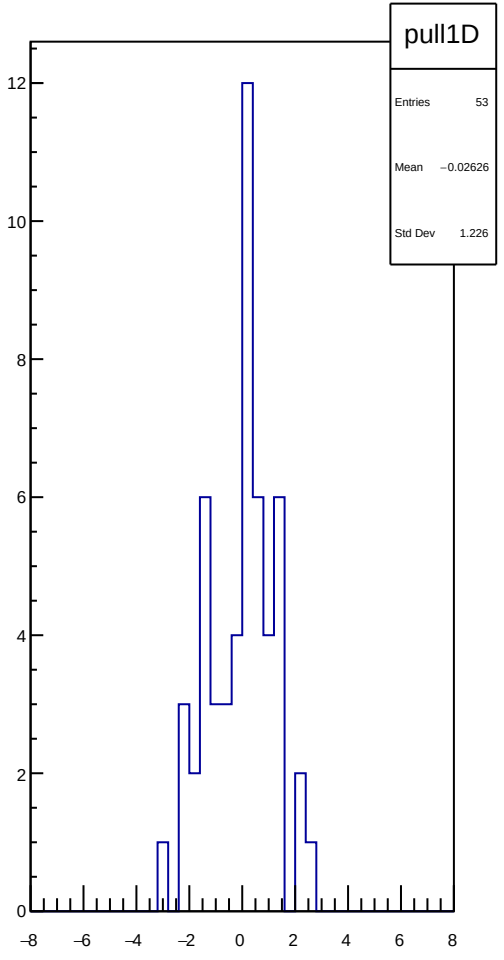

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 22.05 / 52
p0 −5.474 ± 1.588
pull
Entries 53
Mean −143.1
Std Dev 176.9

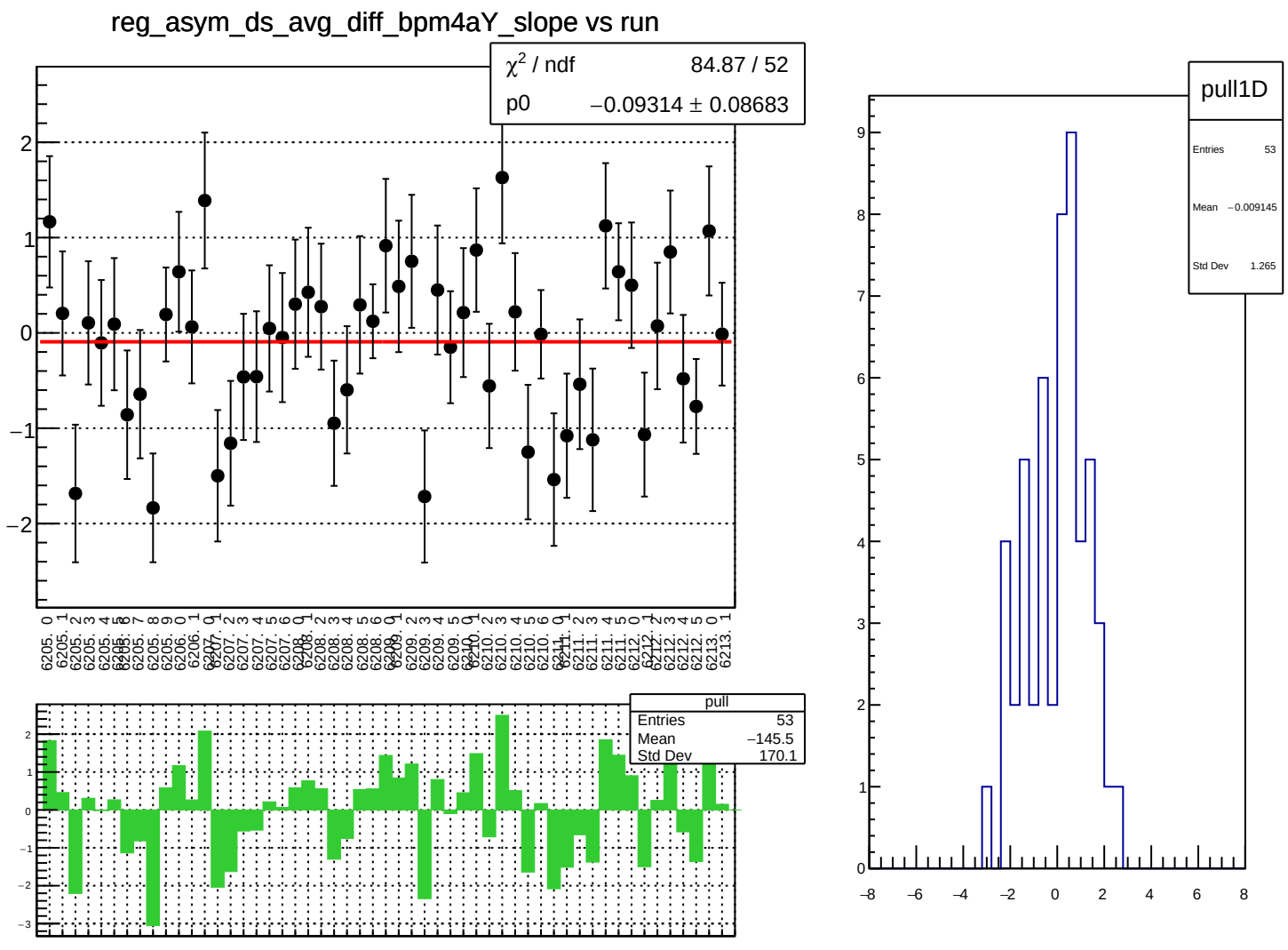

pull1D
Entries 53
Mean −0.008511
Std Dev 0.645

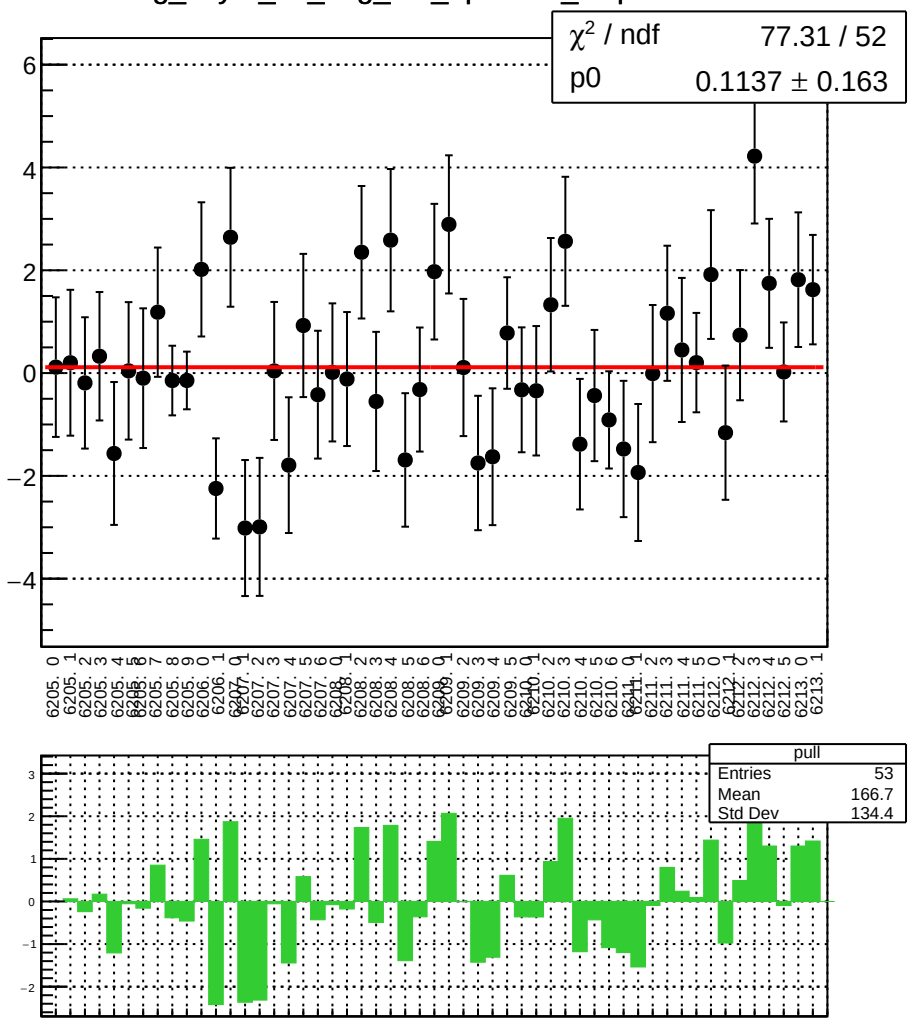

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 27.5 / 52
p0 0.1404 ± 0.1179
pull
Entries 53
Mean 145.4
Std Dev 114.7

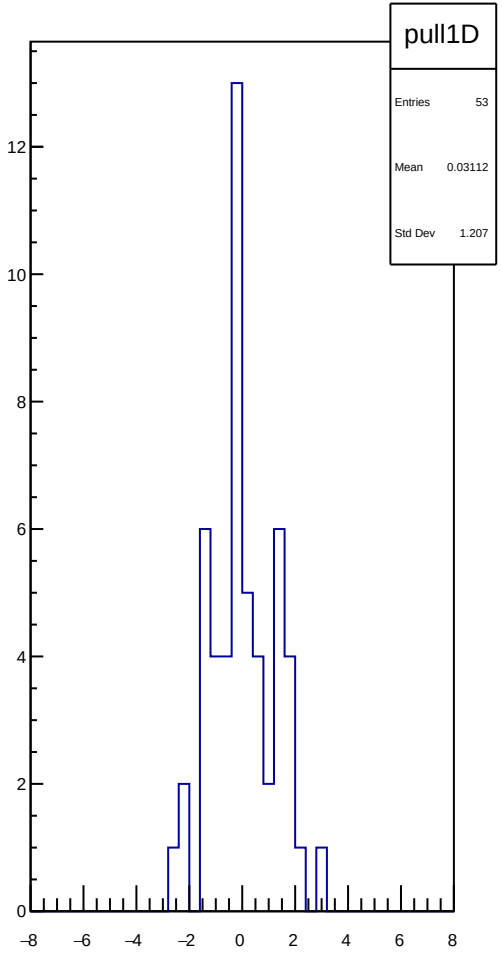

pull1D
Entries 53
Mean 0.01426
Std Dev 0.7202

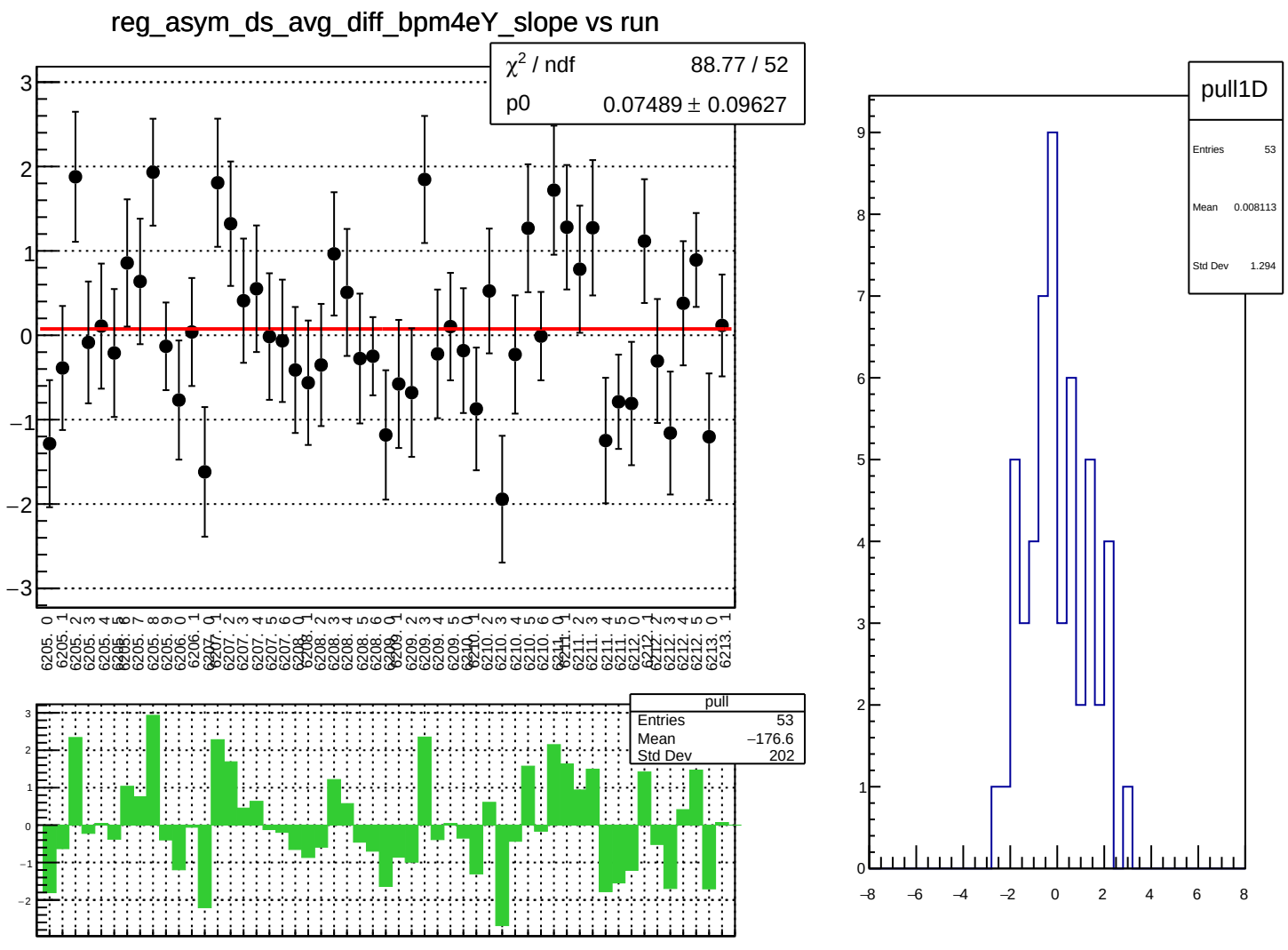

reg_asym_ds_avg_diff_bpm4aX_slope vs run
χ² / ndf 79.74 / 52
p0 −0.1379 ± 0.1481
pull
Entries 53
Mean 192.2
Std Dev 159.9

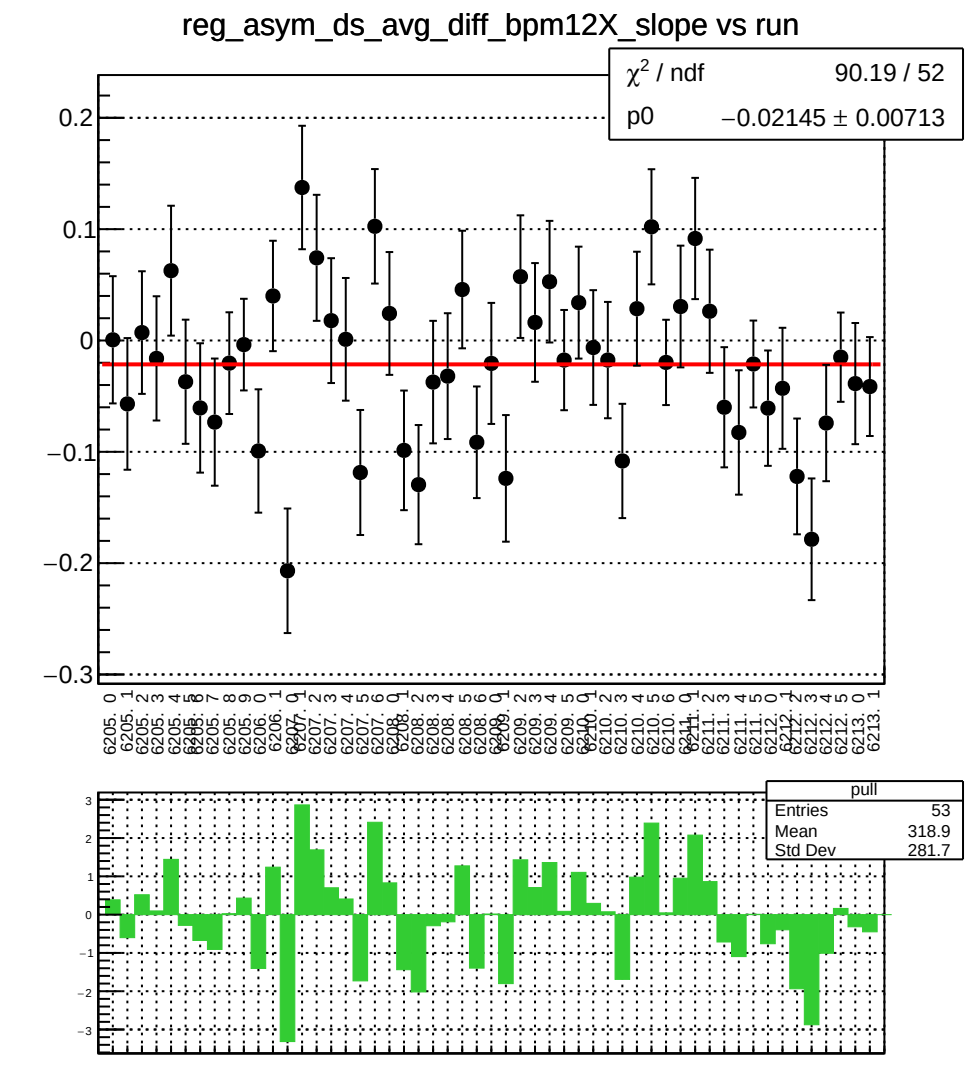

pull1D
Entries 53
Mean −0.02626
Std Dev 1.226

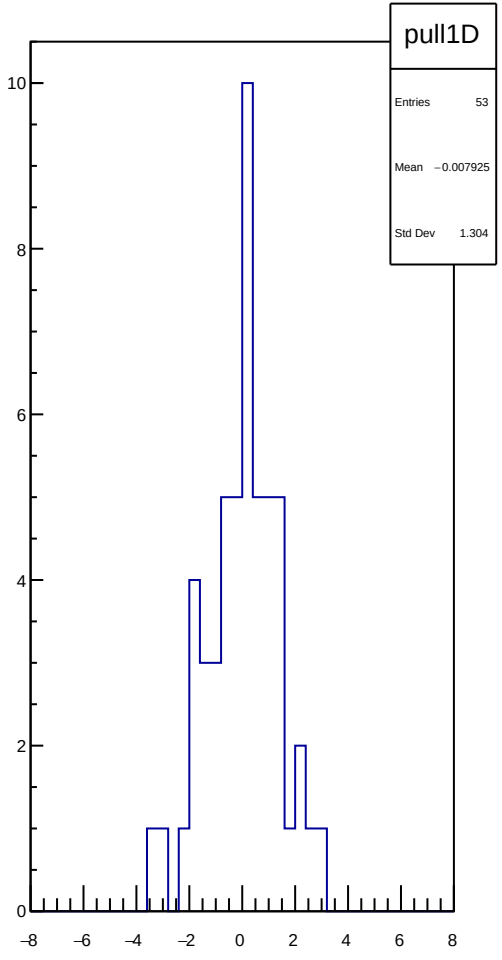

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 84.87 / 52
p0 −0.09314 ± 0.08683
pull
Entries 53
Mean −145.5
Std Dev 170.1
pull1D
Entries 53
Mean −0.009145
Std Dev 1.265

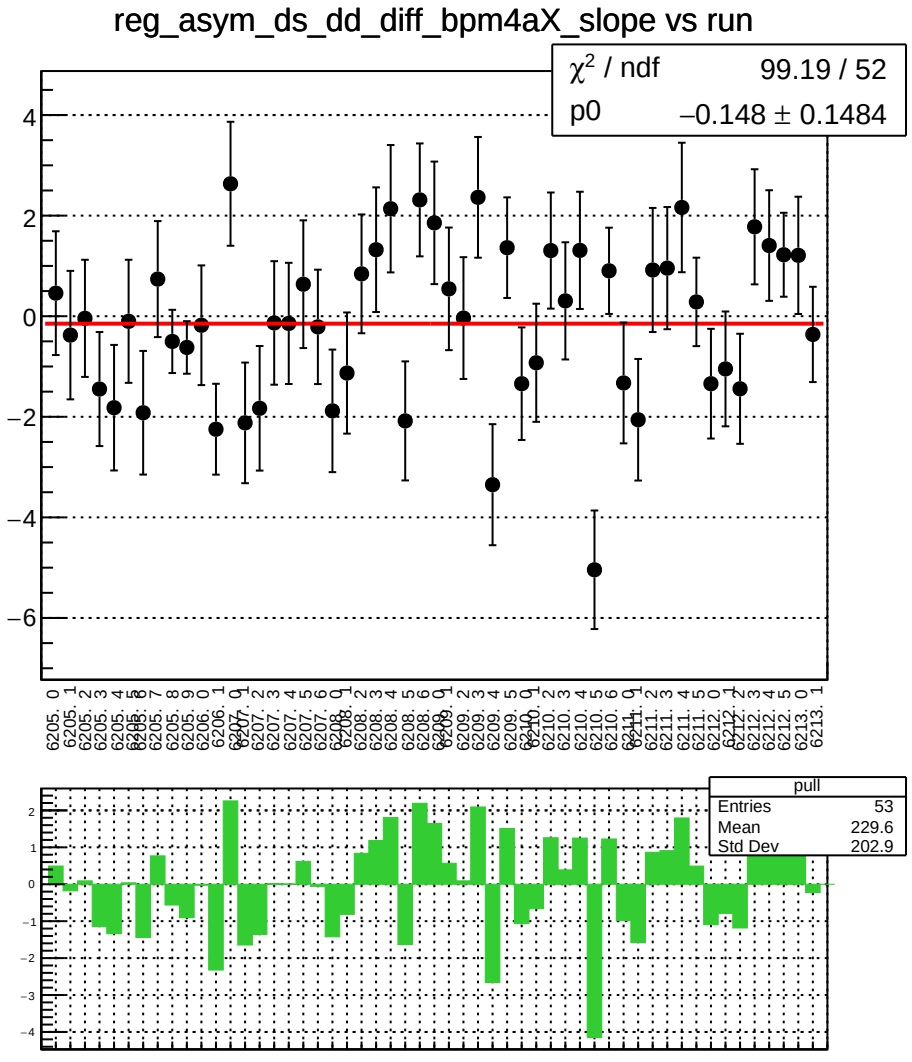

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 77.31 / 52
p0 0.1137 ± 0.163
pull
Entries 53
Mean 166.7
Std Dev 134.4

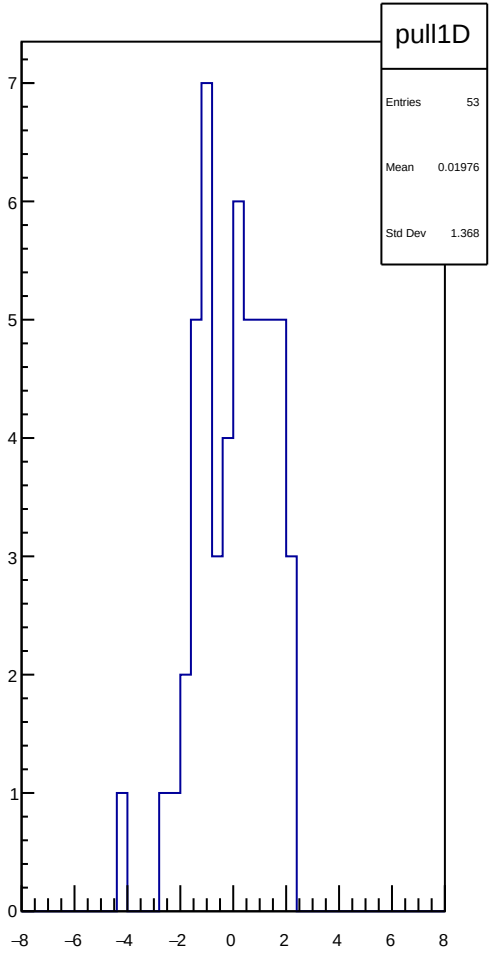

pull1D
Entries 53
Mean 0.03112
Std Dev 1.207

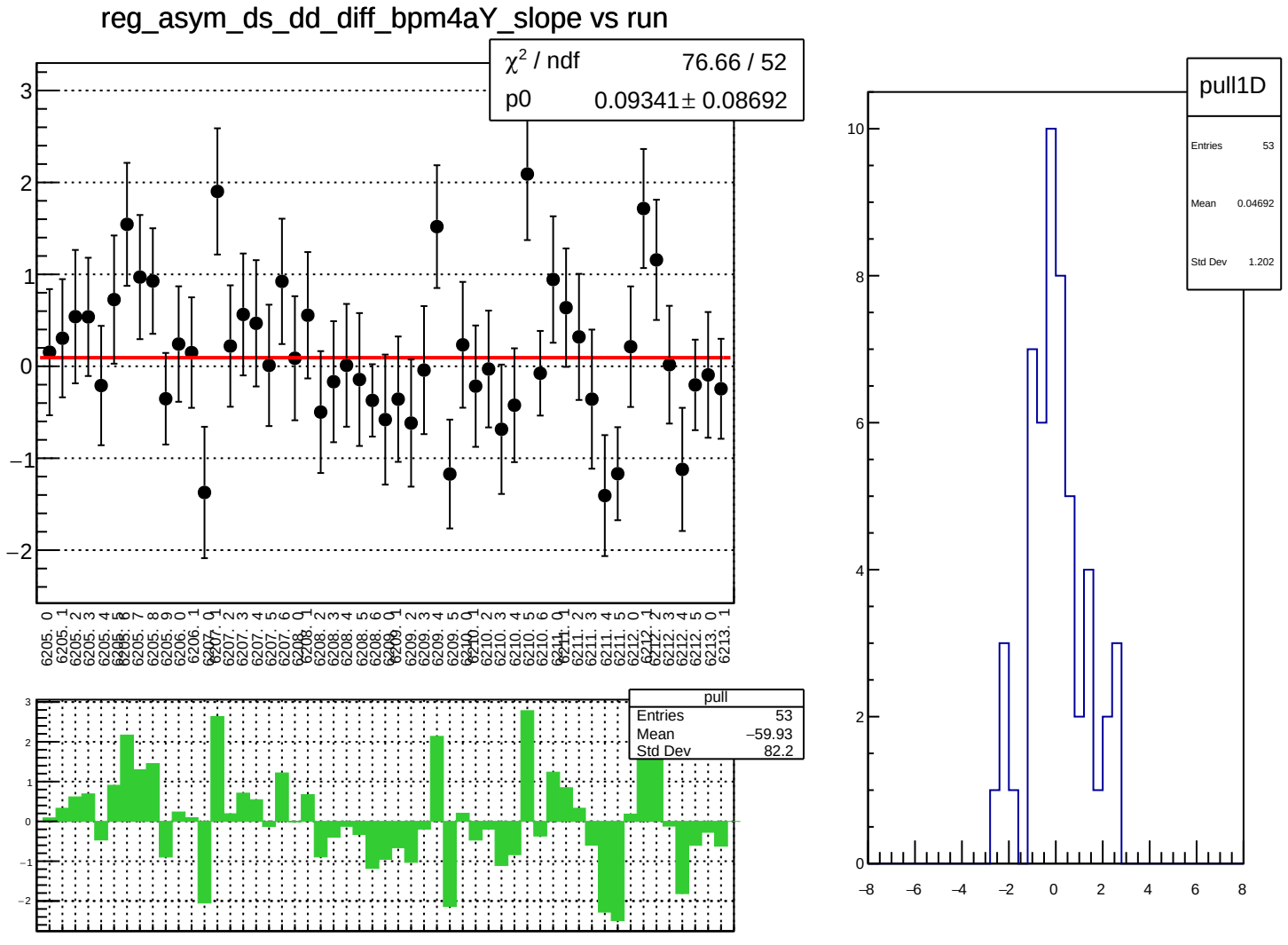

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 88.77 / 52
p0 0.07489 ± 0.09627
pull
Entries 53
Mean −176.6
Std Dev 202
pull1D
Entries 53
Mean 0.008113
Std Dev 1.294

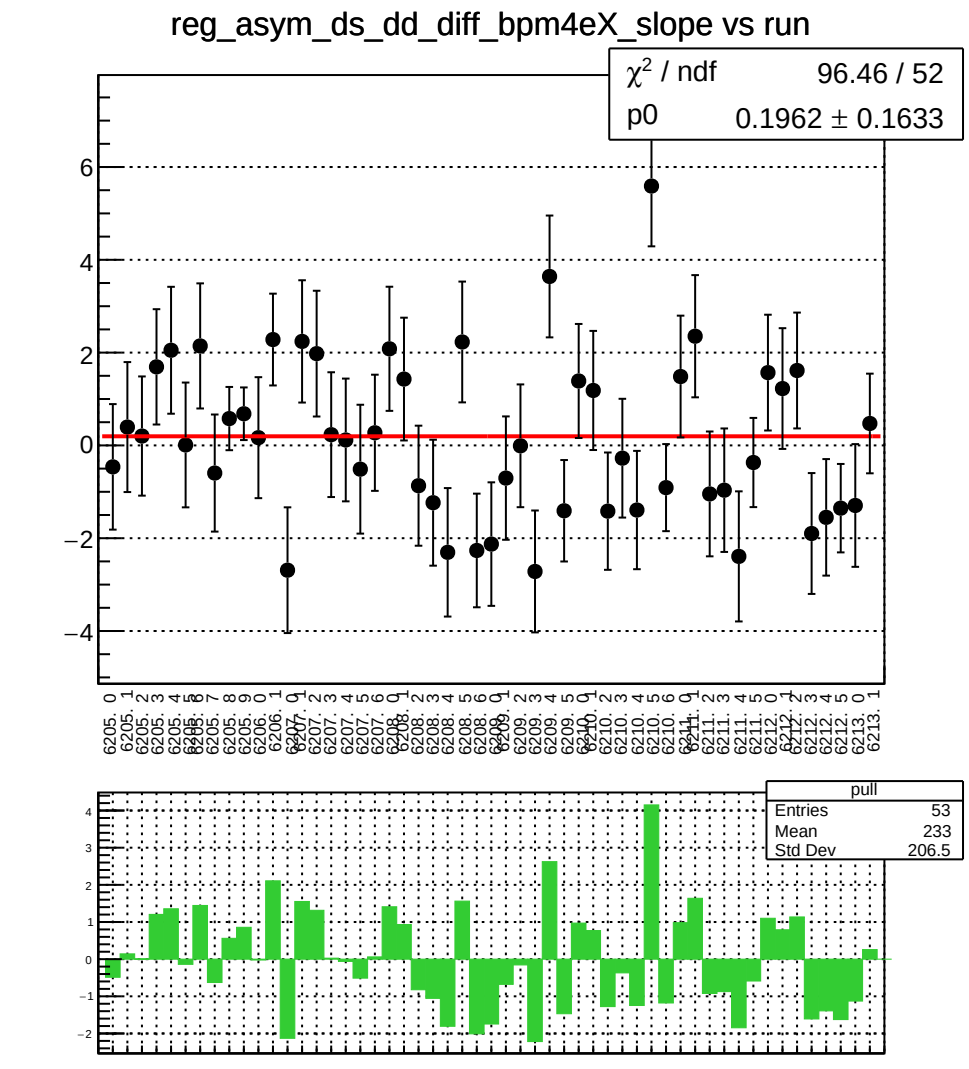

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 90.19 / 52
p0 −0.02145 ± 0.00713
pull
Entries 53
Mean 318.9
Std Dev 281.7

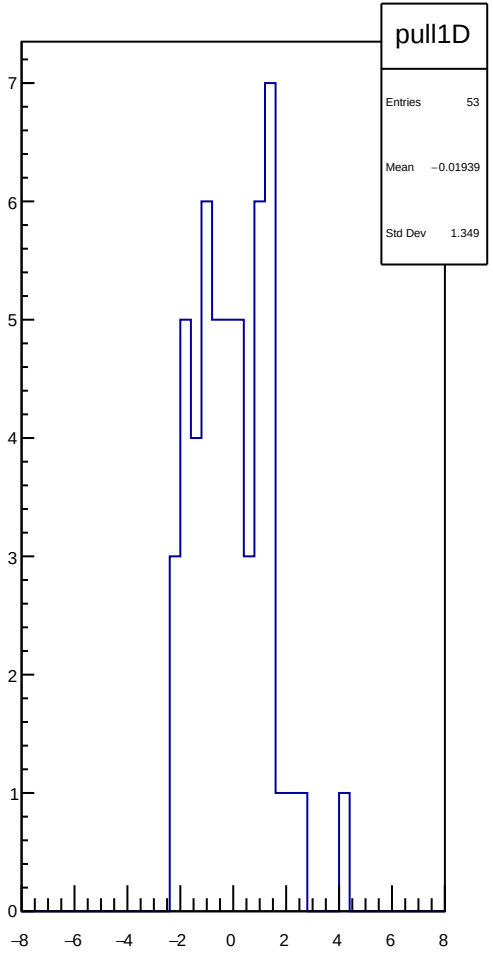

pull1D
Entries 53
Mean −0.007925
Std Dev 1.304

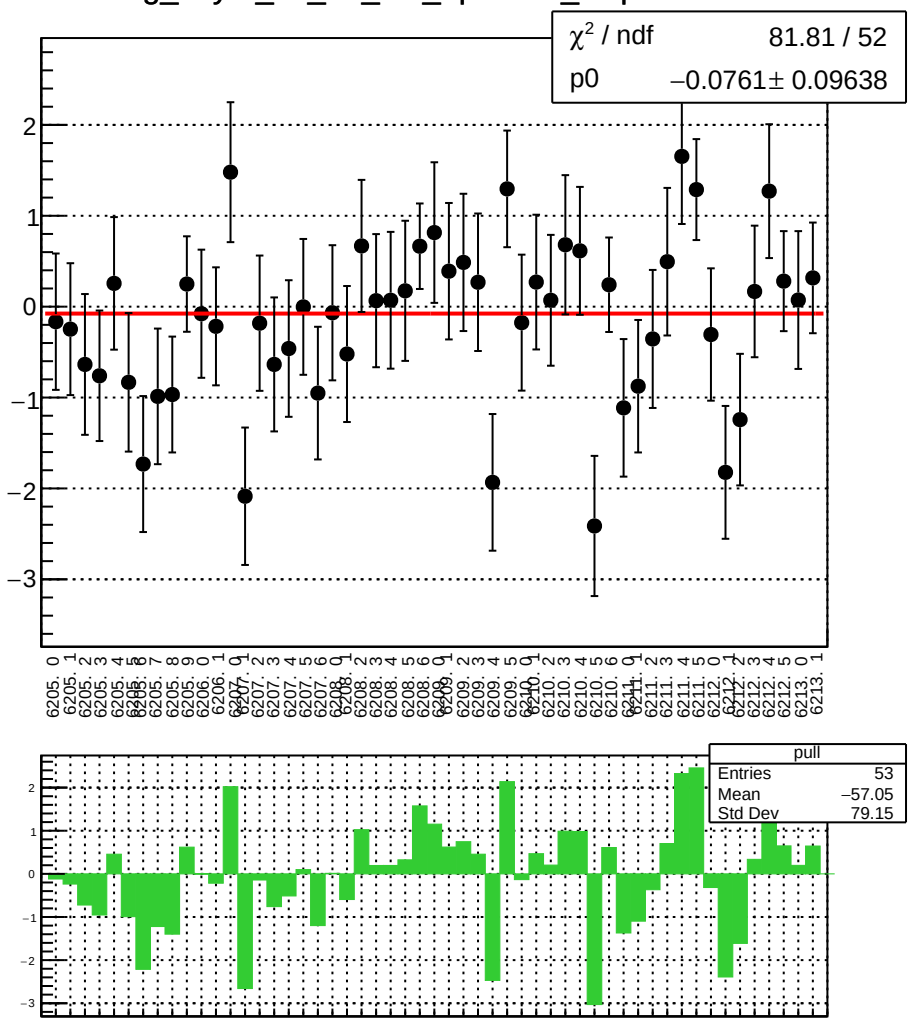

reg_asym_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 99.19 / 52
p0 −0.148 ± 0.1484
pull
Entries 53
Mean 229.6
Std Dev 202.9

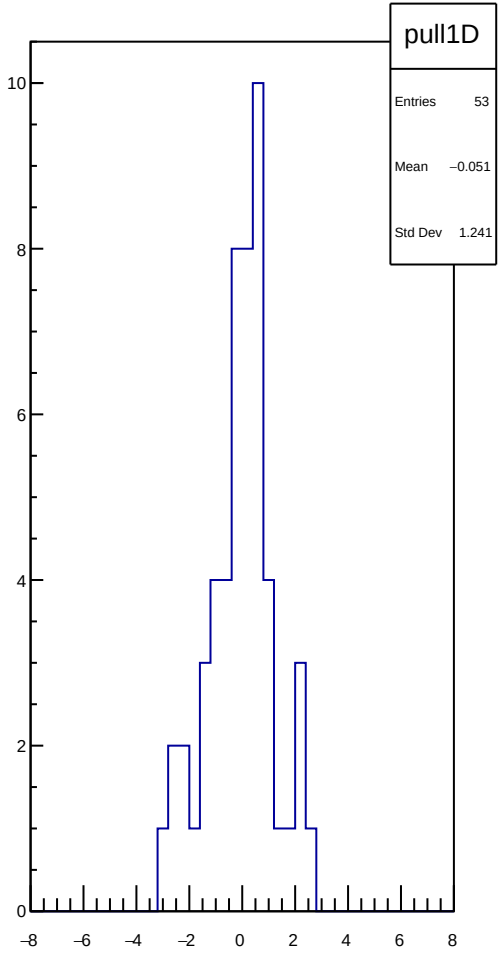

pull1D
Entries 53
Mean 0.01976
Std Dev 1.368

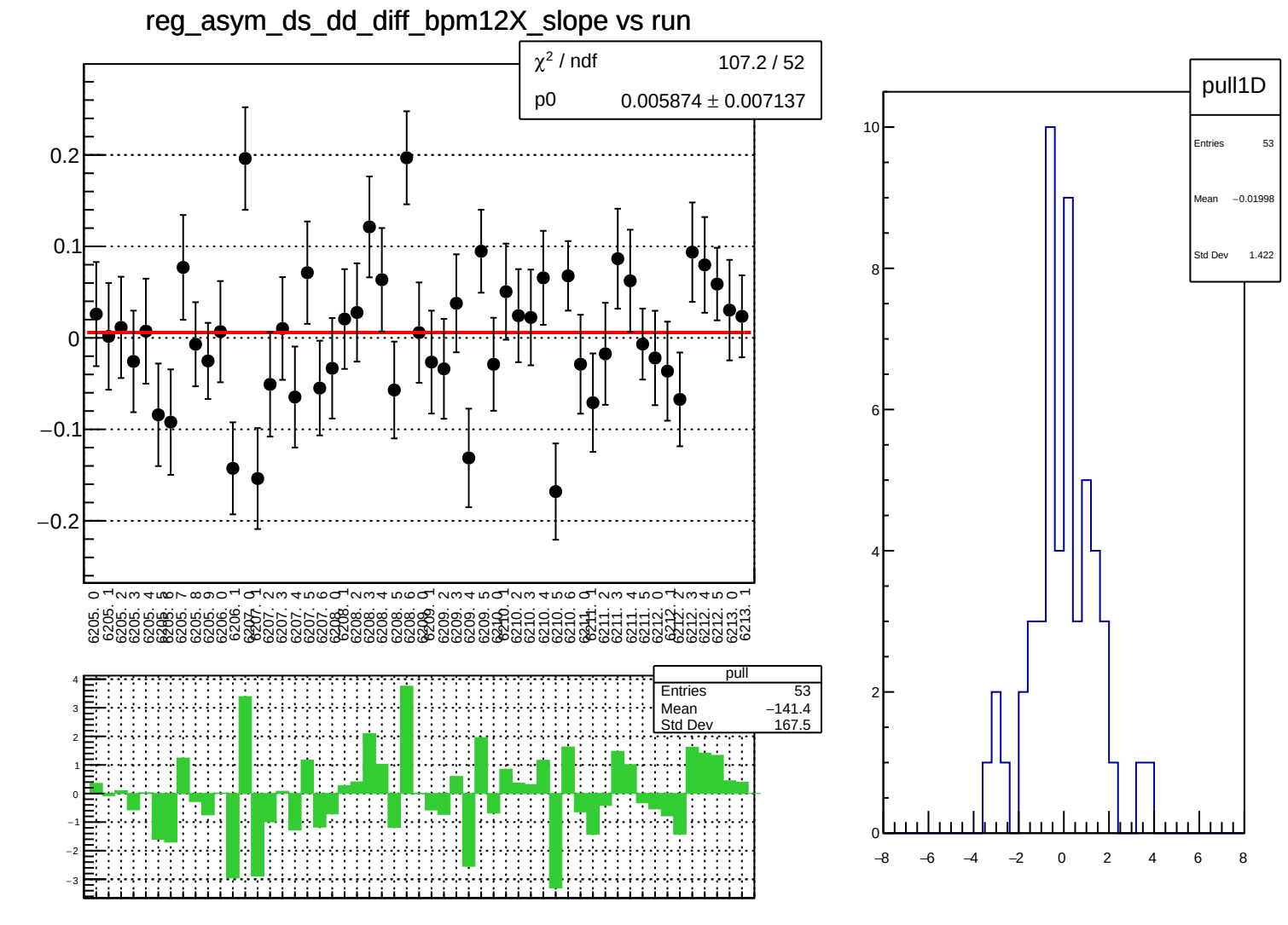

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 76.66 / 52
p0 0.09341 ± 0.08692
pull
Entries 53
Mean −59.93
Std Dev 82.2
pull1D
Entries 53
Mean 0.04692
Std Dev 1.202

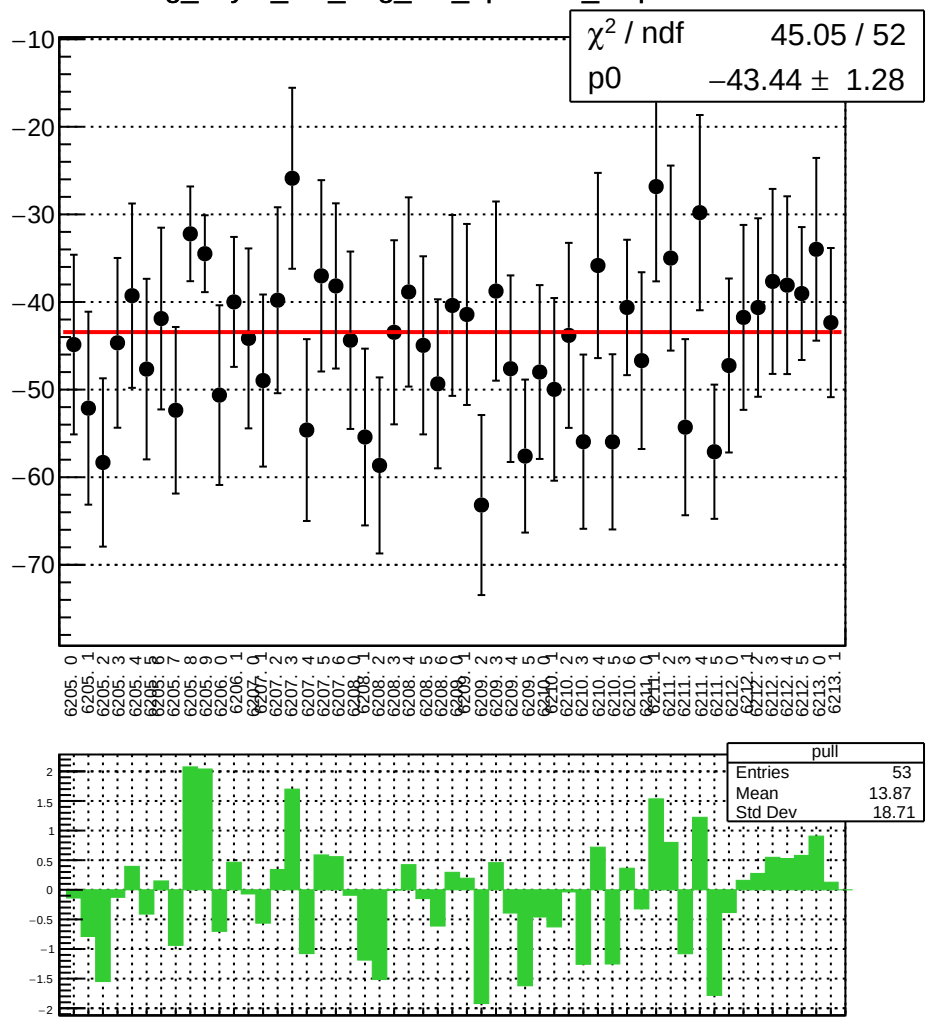

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 96.46 / 52
p0 0.1962 ± 0.1633
pull
Entries 53
Mean 233
Std Dev 206.5

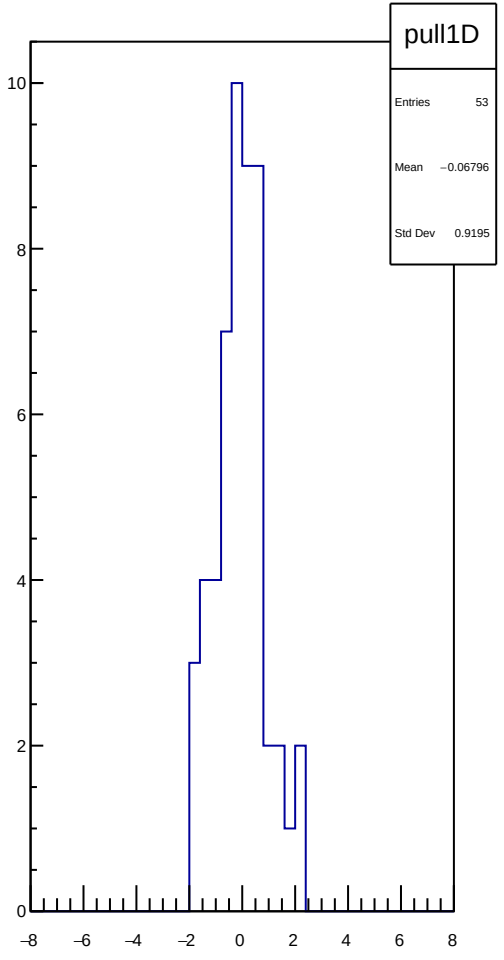

pull1D
Entries 53
Mean −0.01939
Std Dev 1.349

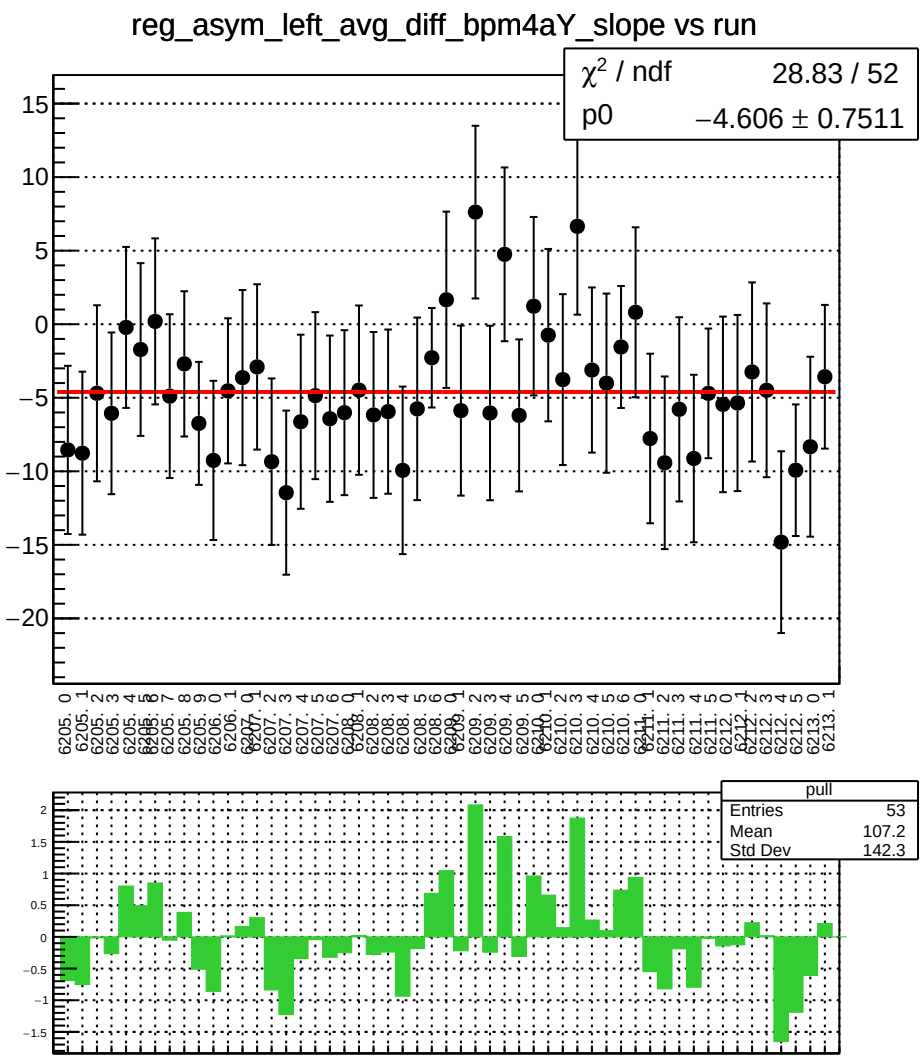

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 81.81 / 52
p0 −0.0761± 0.09638
pull
Entries 53
Mean −57.05
Std Dev 79.15

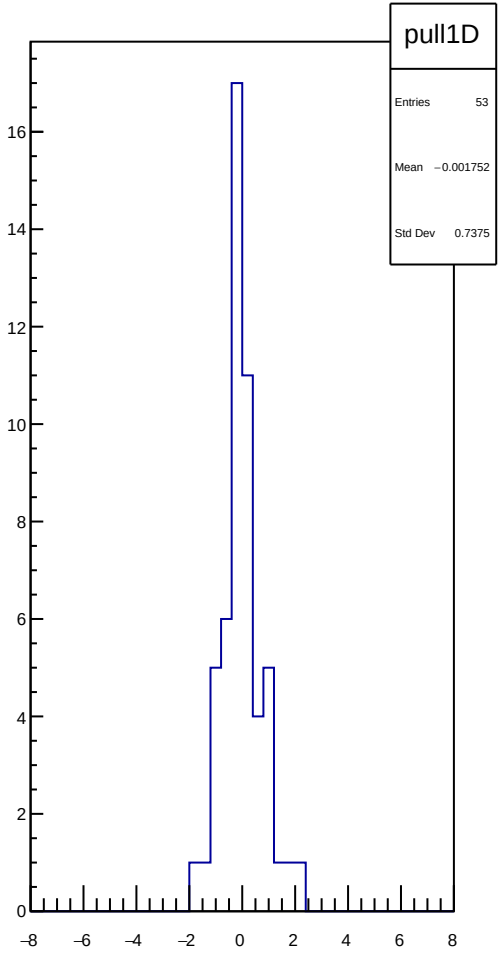

pull1D
Entries 53
Mean −0.051
Std Dev 1.241

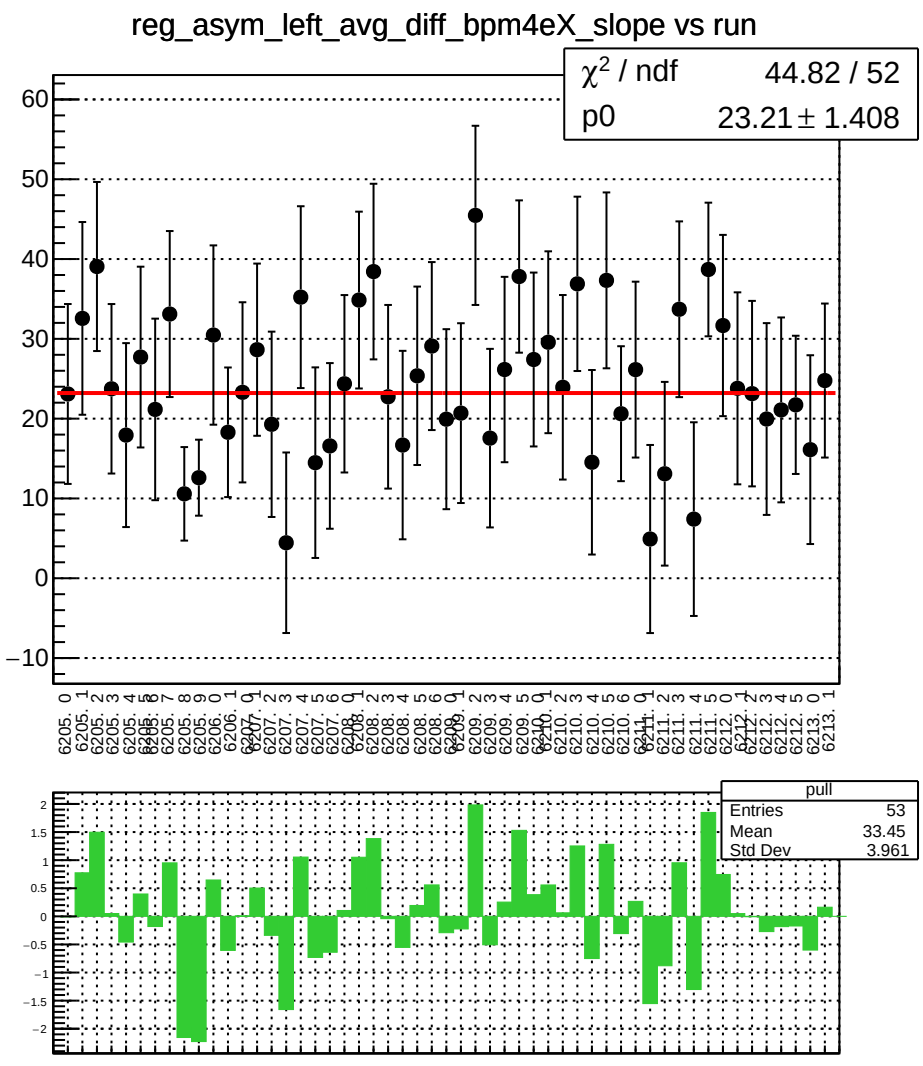

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 107.2 / 52
p0 0.005874 ± 0.007137
pull
Entries 53
Mean −141.4
Std Dev 167.5
pull1D
Entries 53
Mean −0.01998
Std Dev 1.422

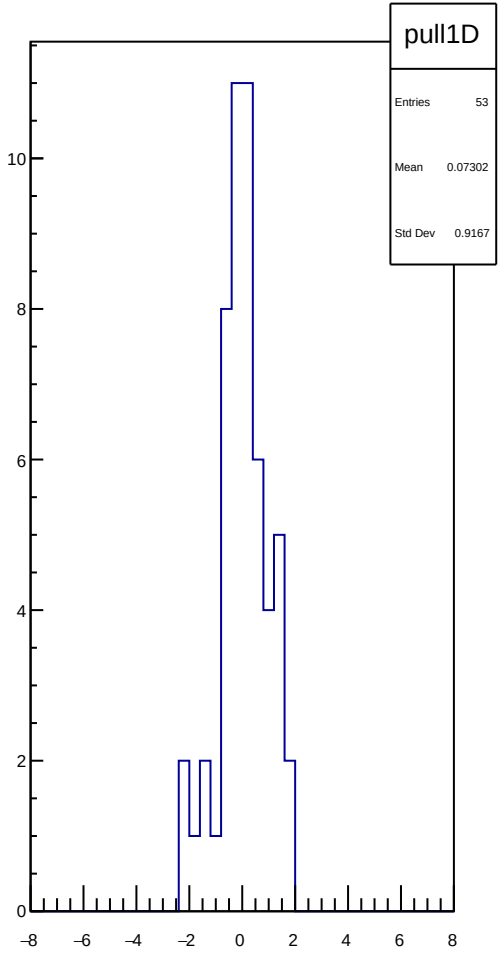

reg_asym_left_avg_diff_bpm4aX_slope vs run
χ² / ndf 45.05 / 52
p0 −43.44 ± 1.28
pull
Entries 53
Mean 13.87
Std Dev 18.71

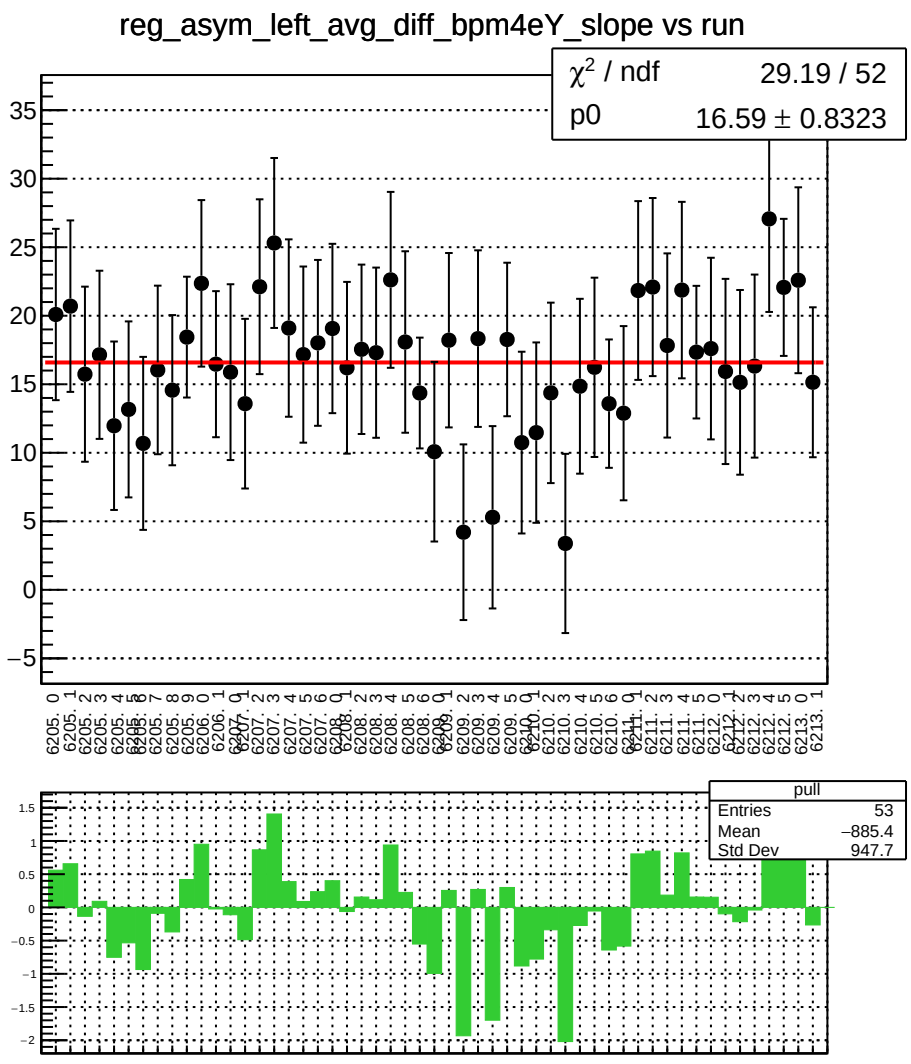

pull1D
Entries 53
Mean −0.06796
Std Dev 0.9195

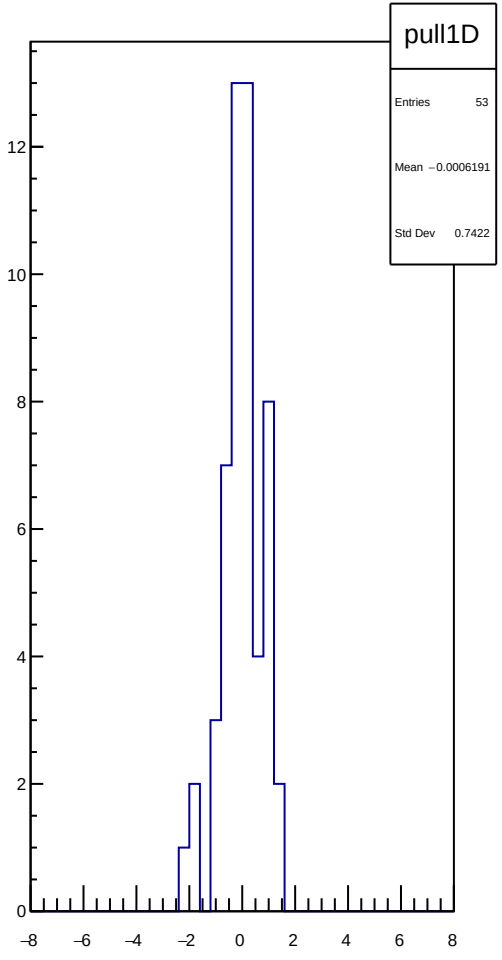

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 28.83 / 52
p0 −4.606 ± 0.7511
pull
Entries 53
Mean 107.2
Std Dev 142.3

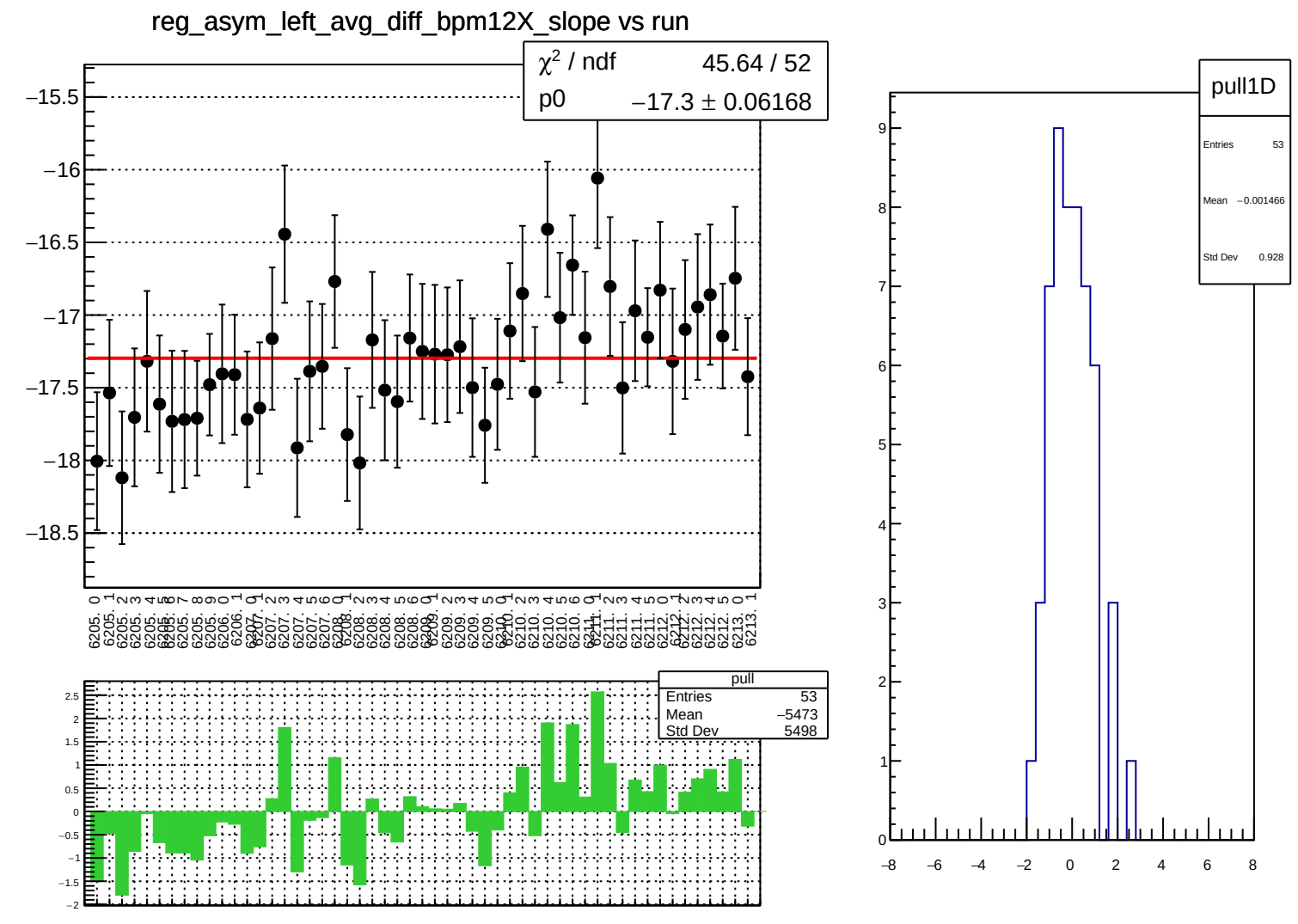

pull1D
Entries 53
Mean −0.001752
Std Dev 0.7375

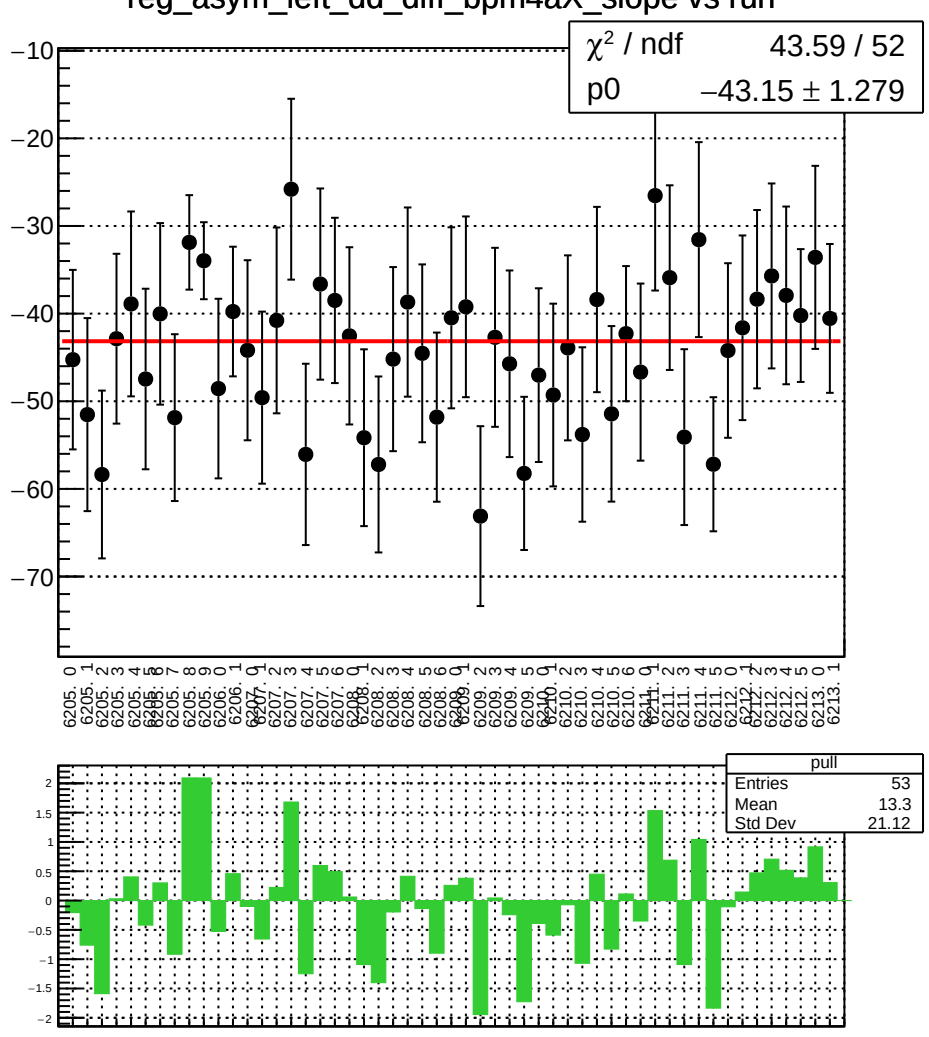

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 44.82 / 52
p0 23.21 ± 1.408
pull
Entries 53
Mean 33.45
Std Dev 3.961

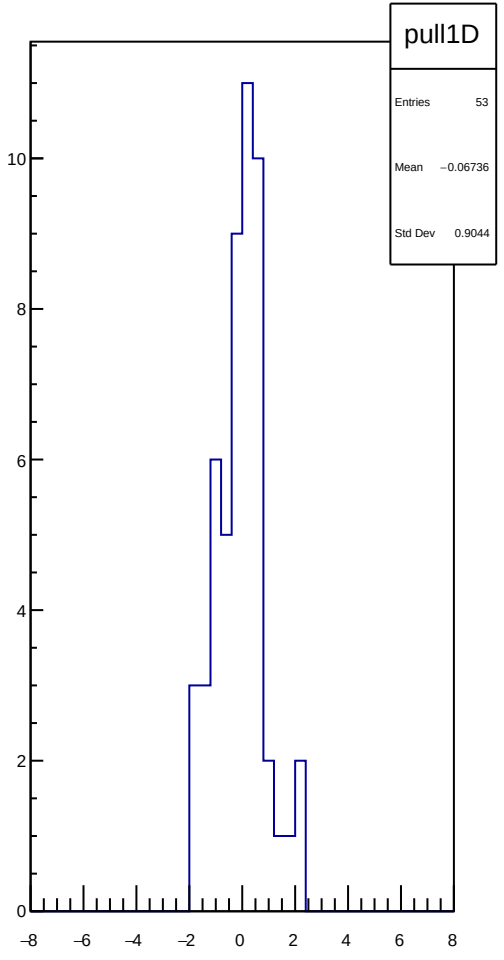

pull1D
Entries 53
Mean 0.07302
Std Dev 0.9167

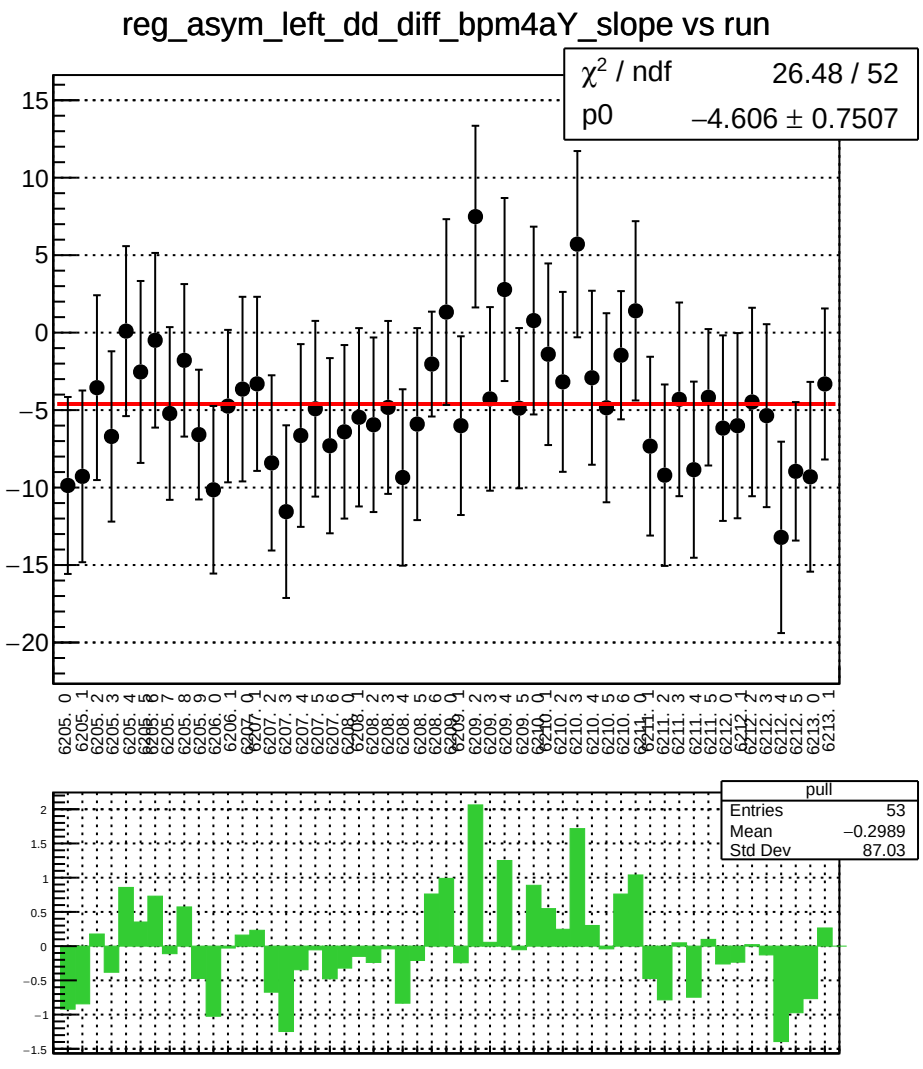

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 29.19 / 52
p0 16.59 ± 0.8323
pull
Entries 53
Mean −885.4
Std Dev 947.7

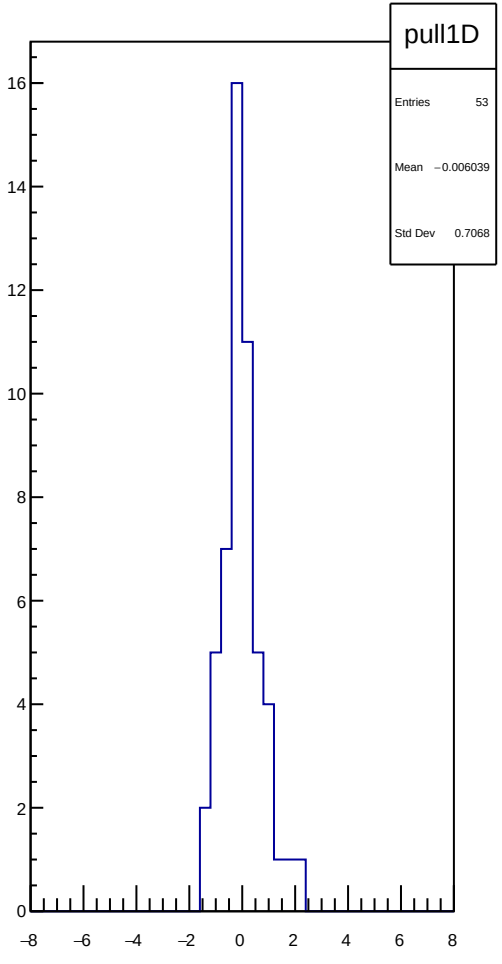

pull1D
Entries 53
Mean −0.0006191
Std Dev 0.7422

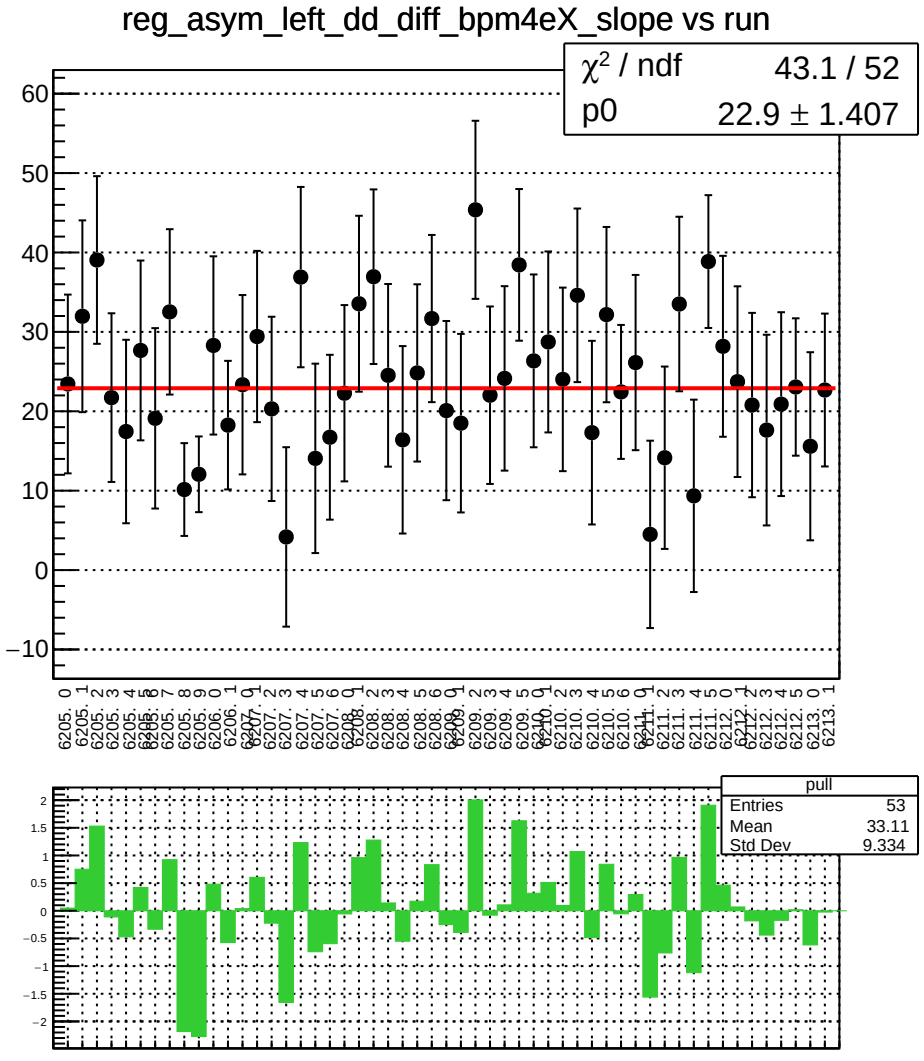

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 45.64 / 52
p0 −17.3 ± 0.06168
pull
Entries 53
Mean −5473
Std Dev 5498
pull1D
Entries 53
Mean −0.001466
Std Dev 0.928

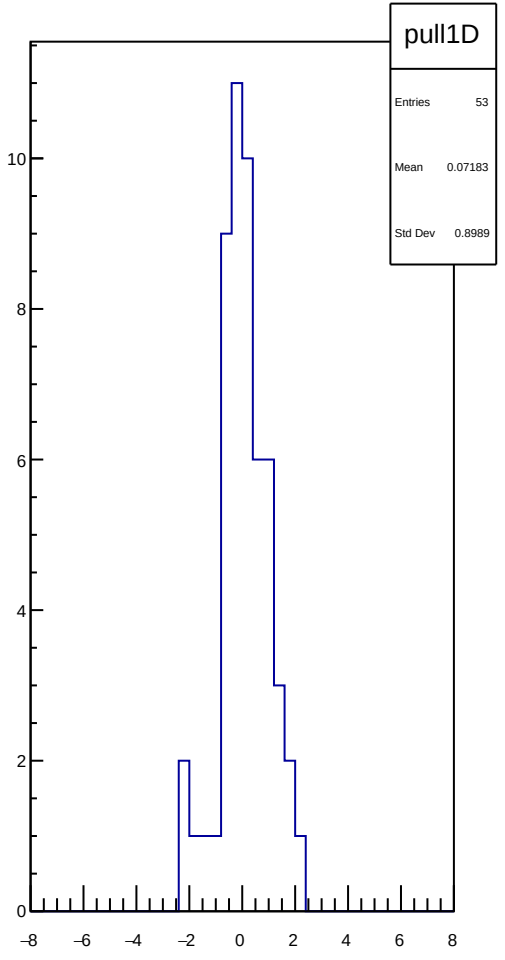

reg_asym_left_dd_diff_bpm4aX_slope vs run
χ² / ndf 43.59 / 52
p0 −43.15 ± 1.279
pull
Entries 53
Mean 13.3
Std Dev 21.12

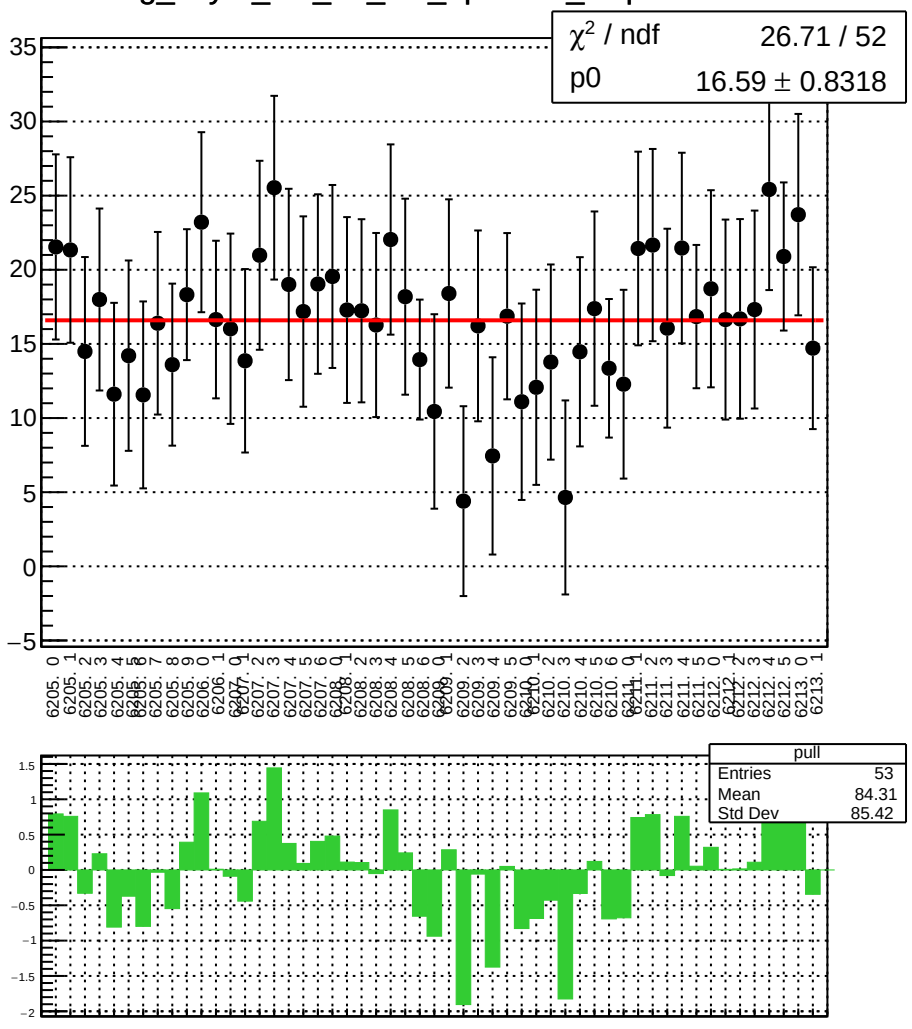

pull1D
Entries 53
Mean −0.06736
Std Dev 0.9044

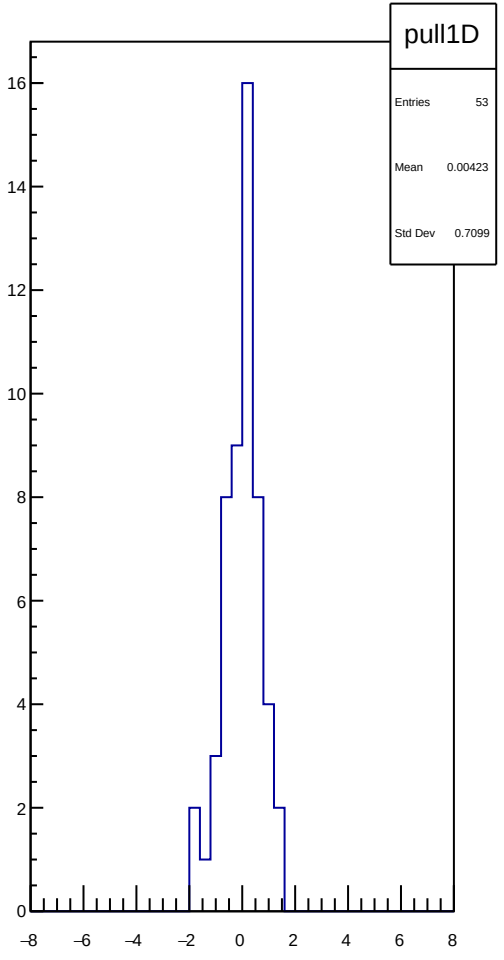

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 26.48 / 52
p0 −4.606 ± 0.7507
pull
Entries 53
Mean −0.2989
Std Dev 87.03

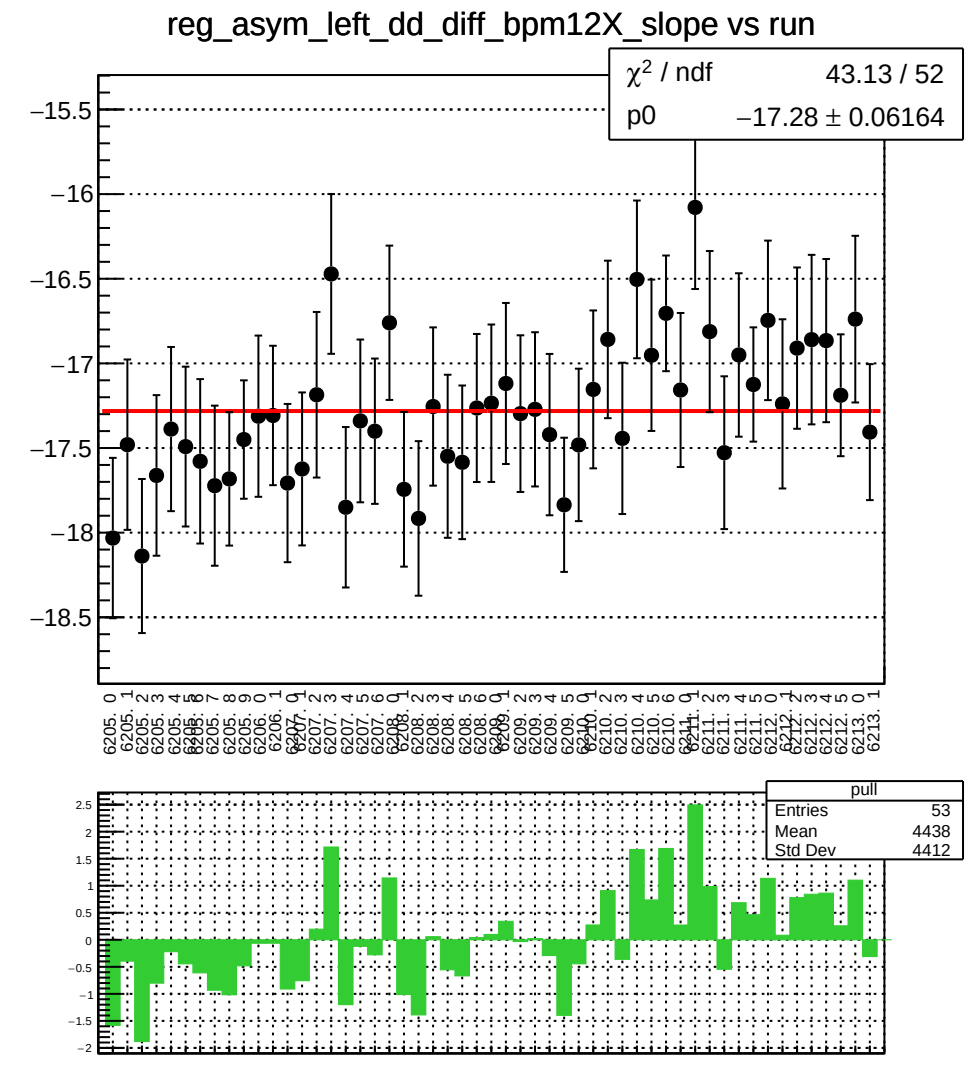

pull1D
Entries 53
Mean −0.006039
Std Dev 0.7068

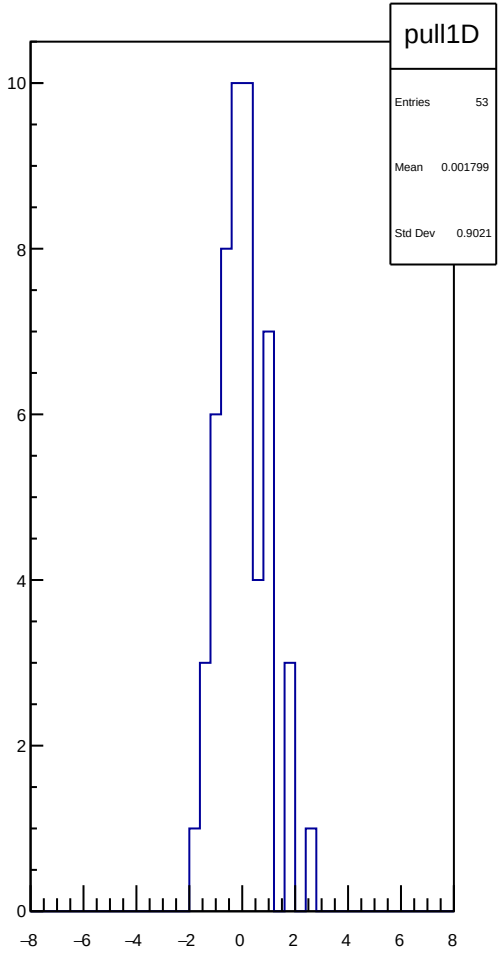

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 43.1 / 52
p0 22.9 ± 1.407
pull
Entries 53
Mean 33.11
Std Dev 9.334

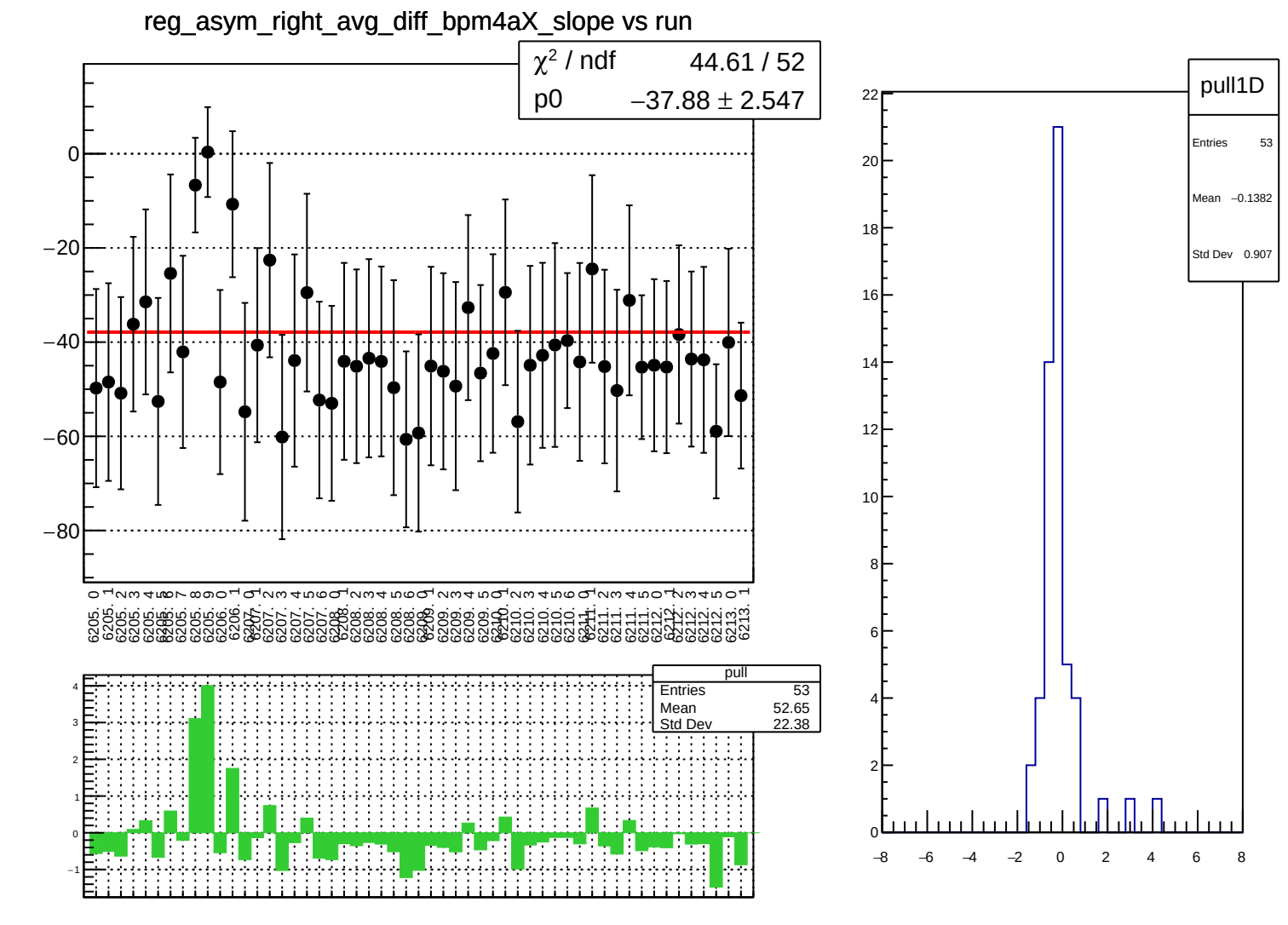

pull1D
Entries 53
Mean 0.07183
Std Dev 0.8989

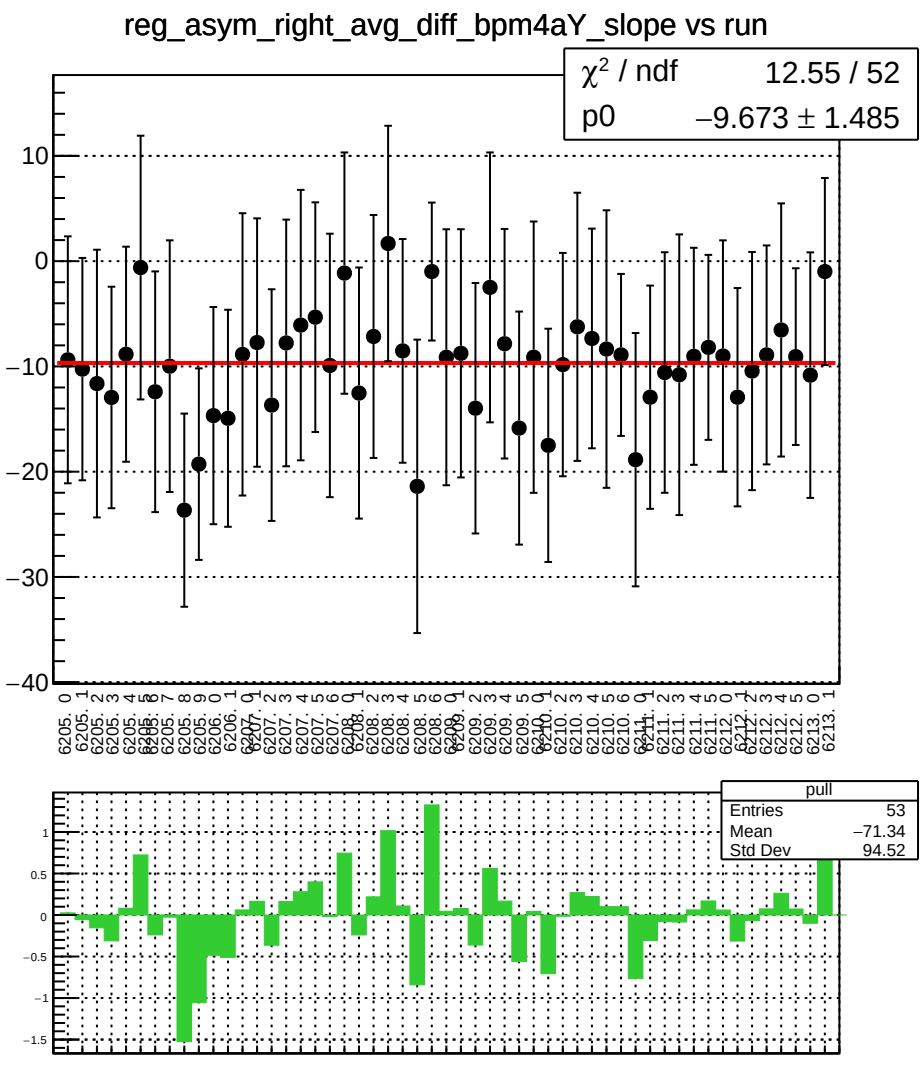

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 26.71 / 52
p0 16.59 ± 0.8318
pull
Entries 53
Mean 84.31
Std Dev 85.42

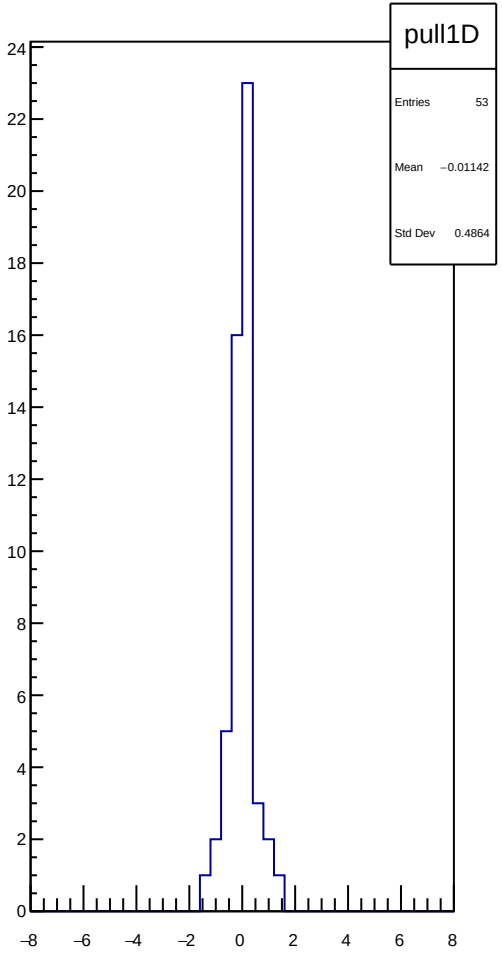

pull1D
Entries 53
Mean 0.00423
Std Dev 0.7099

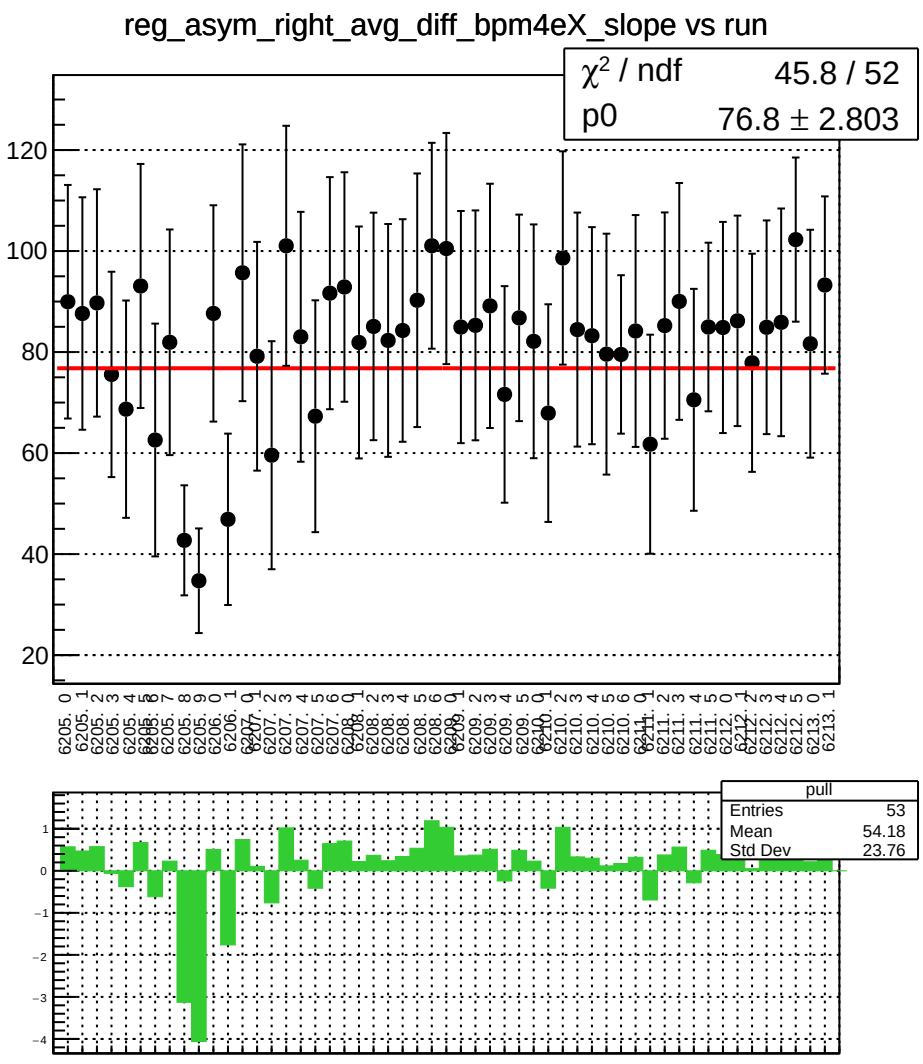

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 43.13 / 52
p0 −17.28 ± 0.06164
pull
Entries 53
Mean 4438
Std Dev 4412

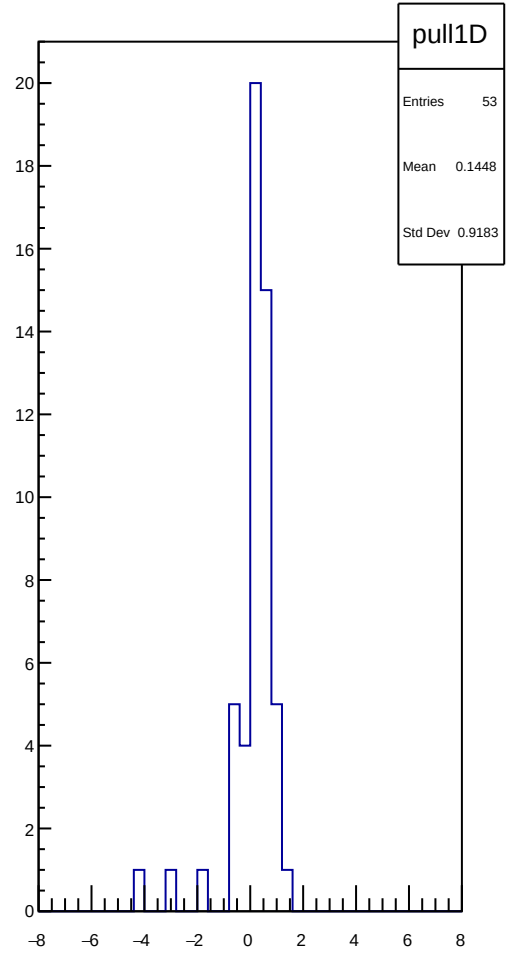

pull1D
Entries 53
Mean 0.001799
Std Dev 0.9021

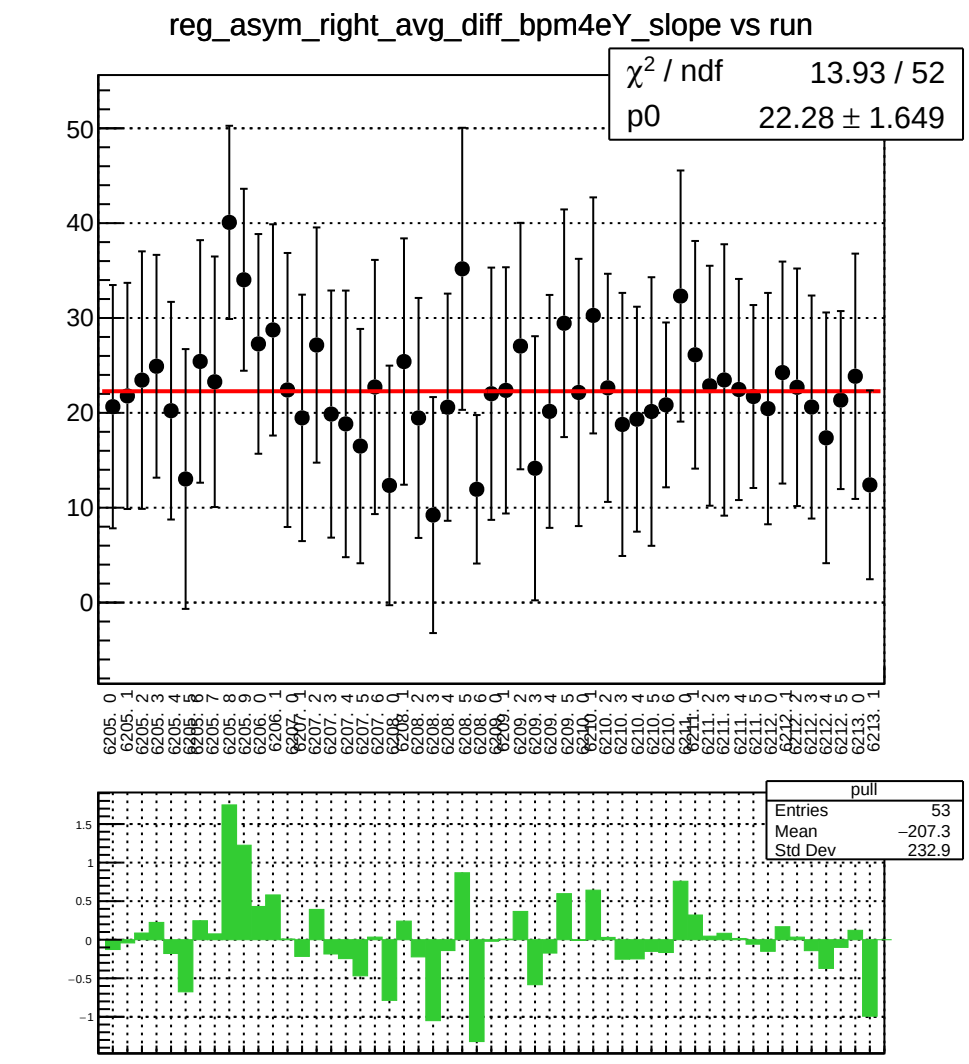

reg_asym_right_avg_diff_bpm4aX_slope vs run
χ² / ndf 44.61 / 52
p0 −37.88 ± 2.547
pull
Entries 53
Mean 52.65
Std Dev 22.38
pull1D
Entries 53
Mean −0.1382
Std Dev 0.907

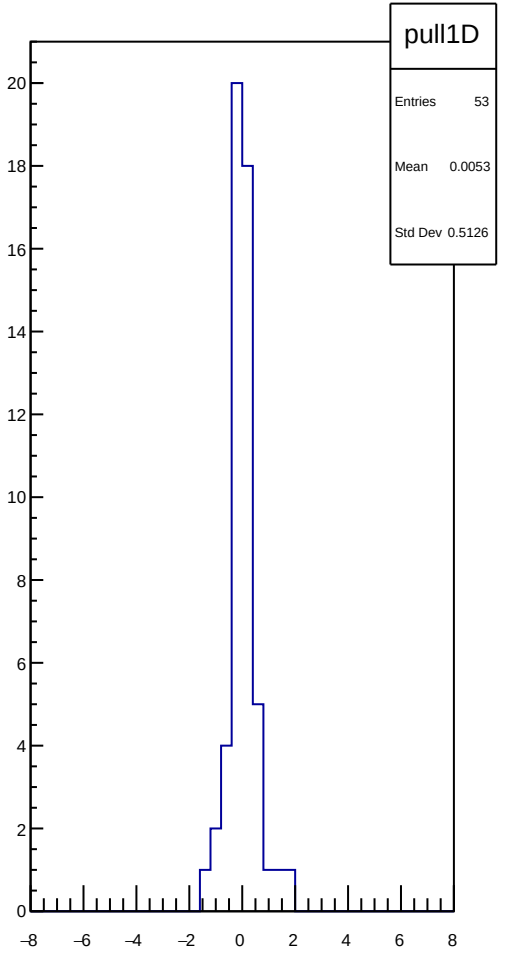

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.55 / 52
p0 −9.673 ± 1.485
pull
Entries 53
Mean −71.34
Std Dev 94.52

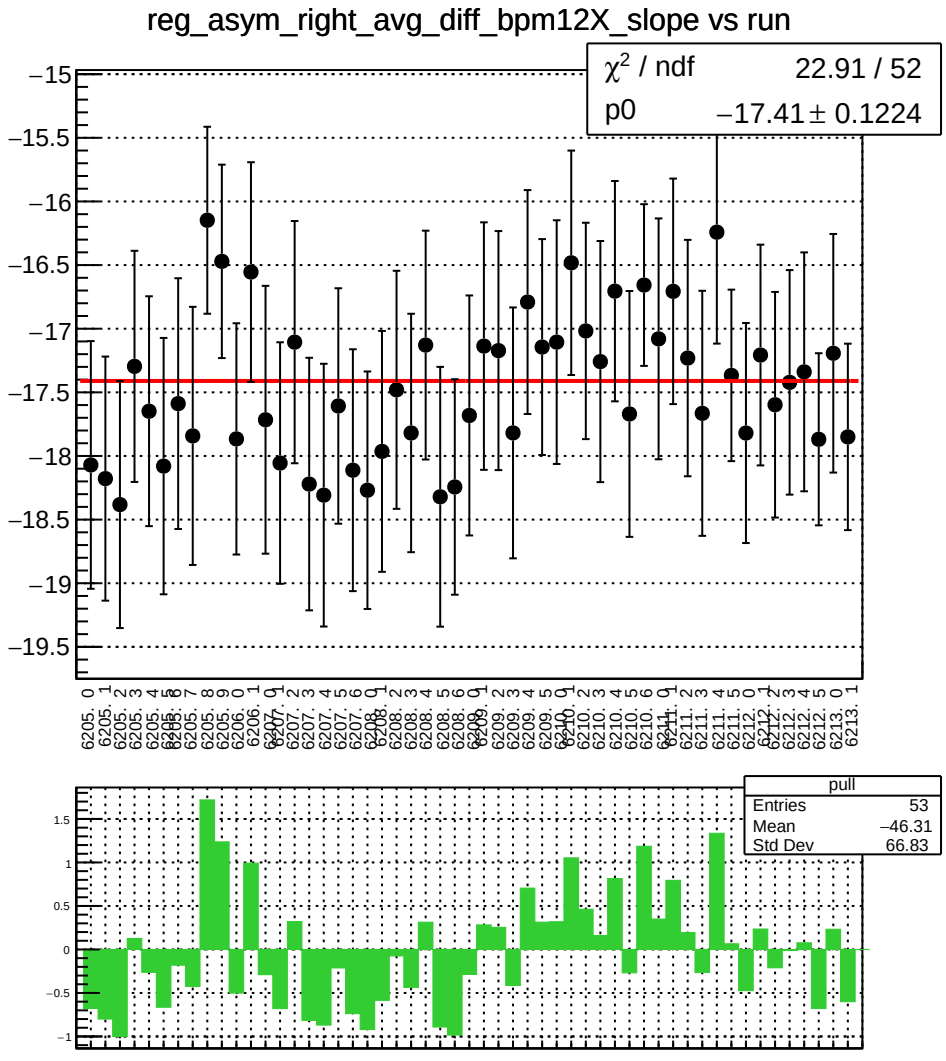

pull1D
Entries 53
Mean −0.01142
Std Dev 0.4864

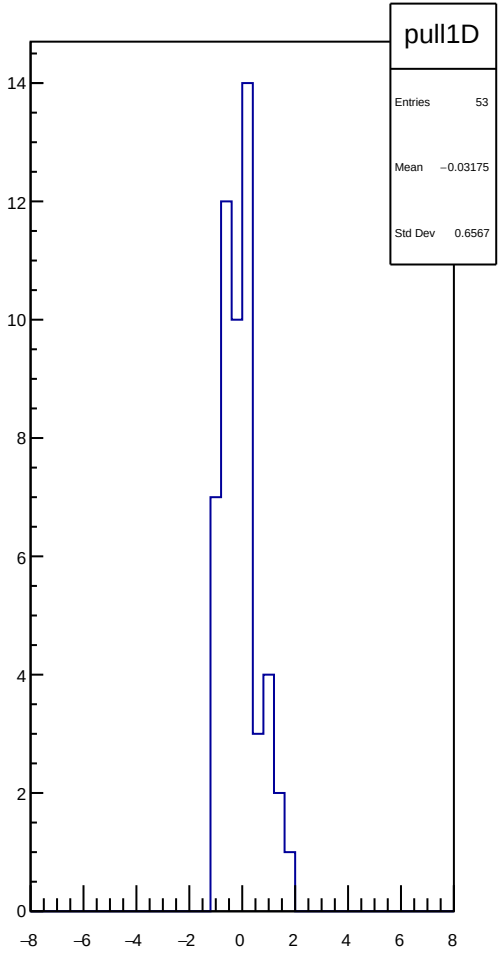

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 45.8 / 52
p0 76.8 ± 2.803
pull
Entries 53
Mean 54.18
Std Dev 23.76

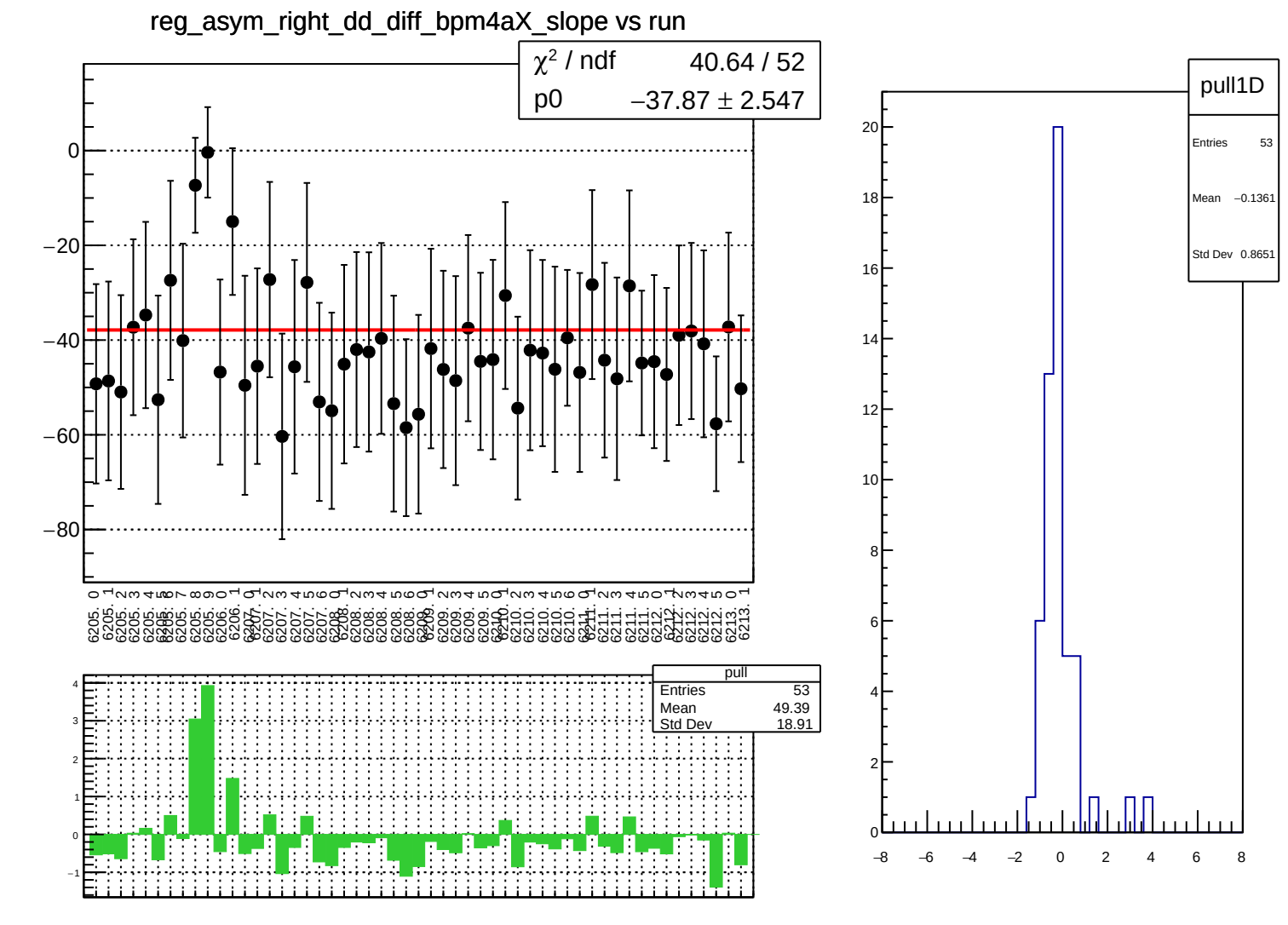

pull1D
Entries 53
Mean 0.1448
Std Dev 0.9183

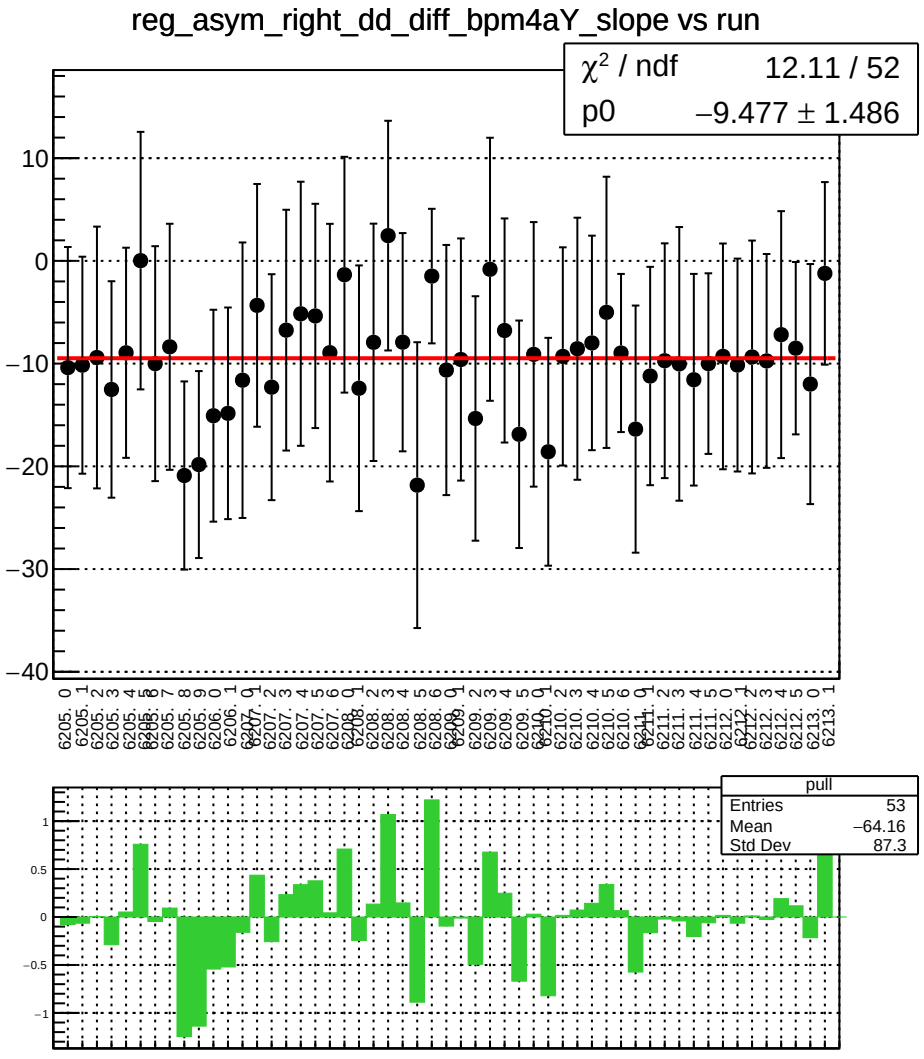

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.93 / 52
p0 22.28 ± 1.649
pull
Entries 53
Mean −207.3
Std Dev 232.9

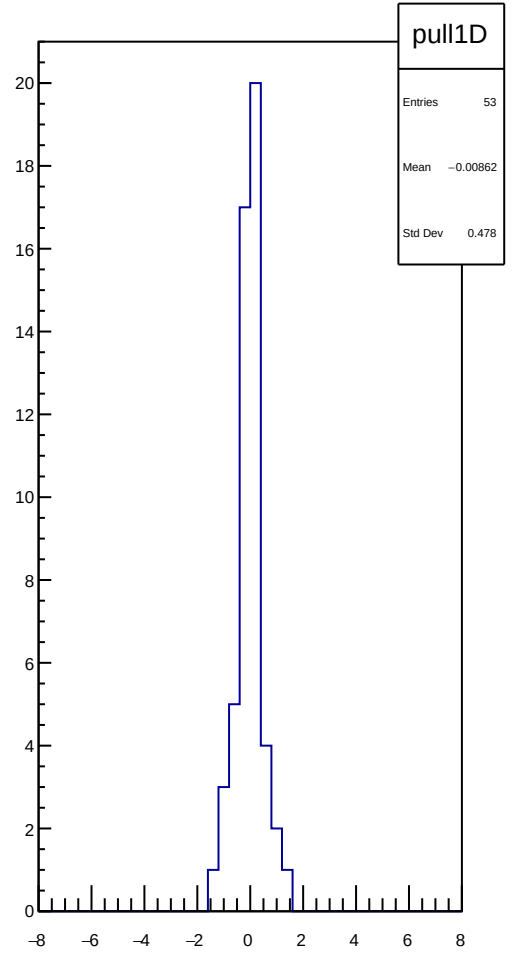

pull1D
Entries 53
Mean 0.0053
Std Dev 0.5126

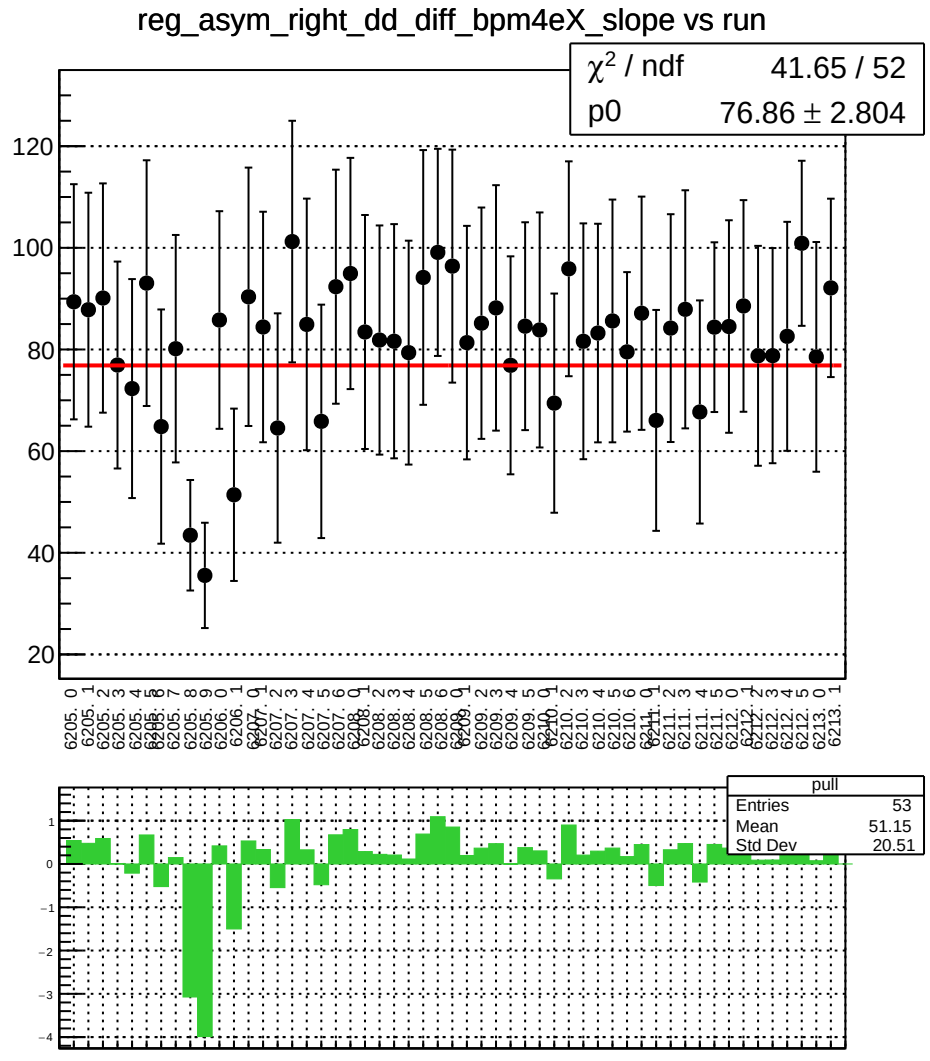

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 22.91 / 52
p0 −17.41 ± 0.1224
pull
Entries 53
Mean −46.31
Std Dev 66.83

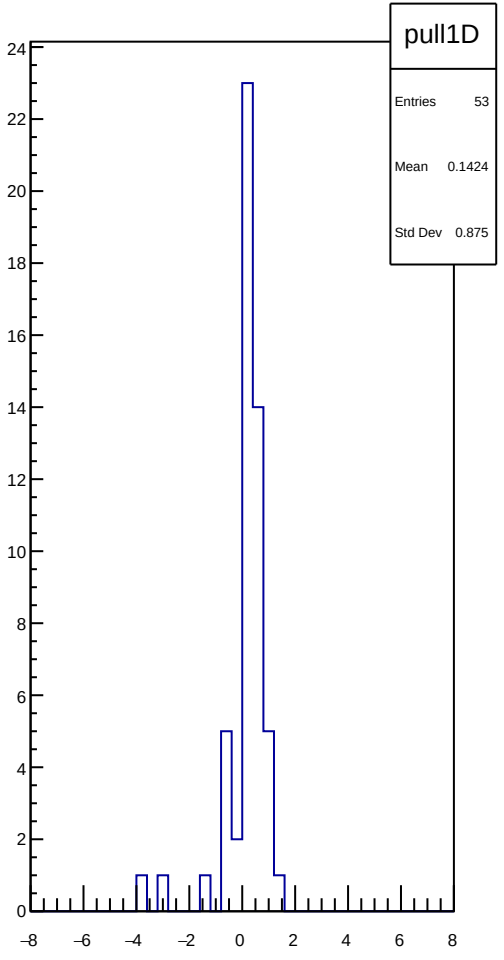

pull1D
Entries 53
Mean −0.03175
Std Dev 0.6567

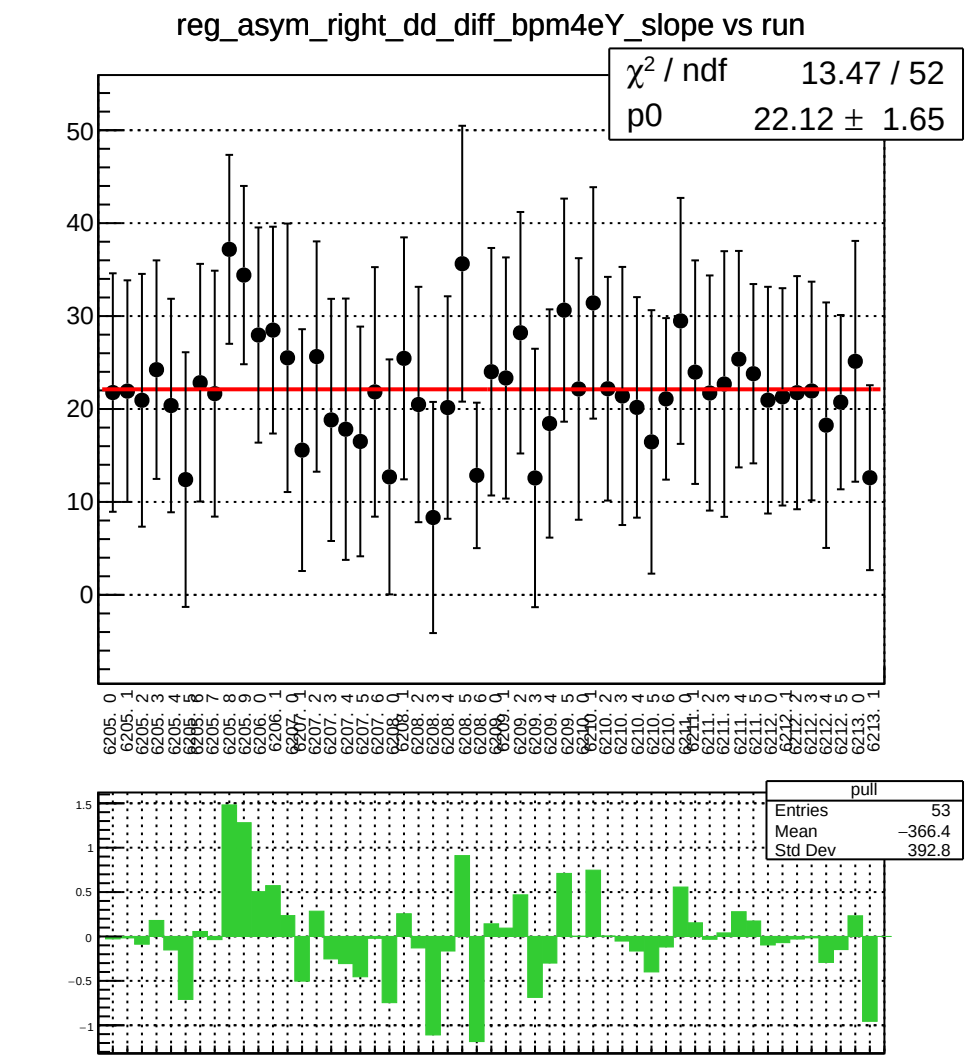

reg_asym_right_dd_diff_bpm4aX_slope vs run
χ² / ndf 40.64 / 52
p0 −37.87 ± 2.547
pull
Entries 53
Mean 49.39
Std Dev 18.91
pull1D
Entries 53
Mean −0.1361
Std Dev 0.8651

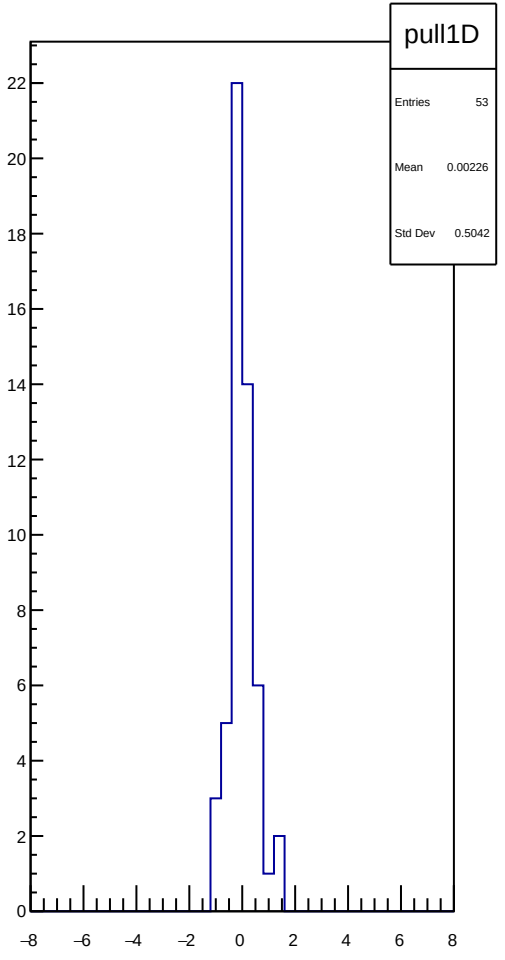

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.11 / 52
p0 −9.477 ± 1.486
pull
Entries 53
Mean −64.16
Std Dev 87.3

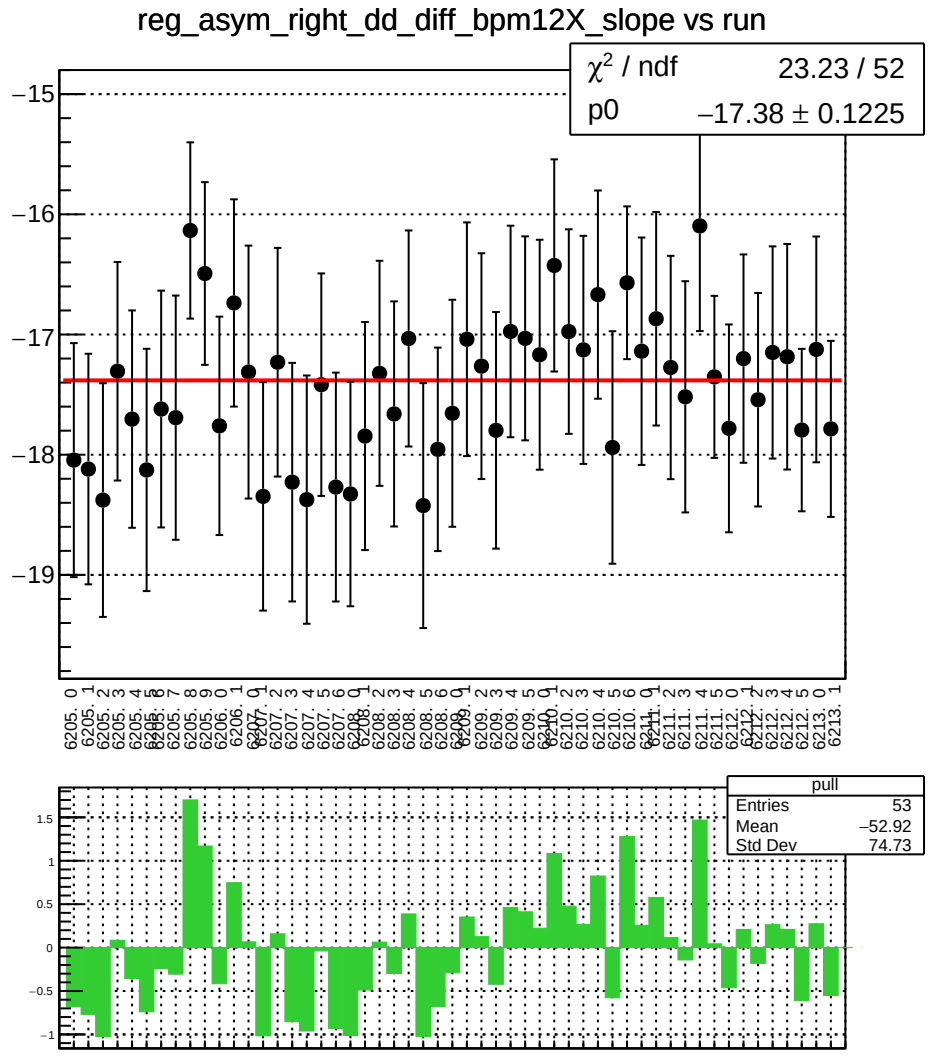

pull1D
Entries 53
Mean −0.00862
Std Dev 0.478

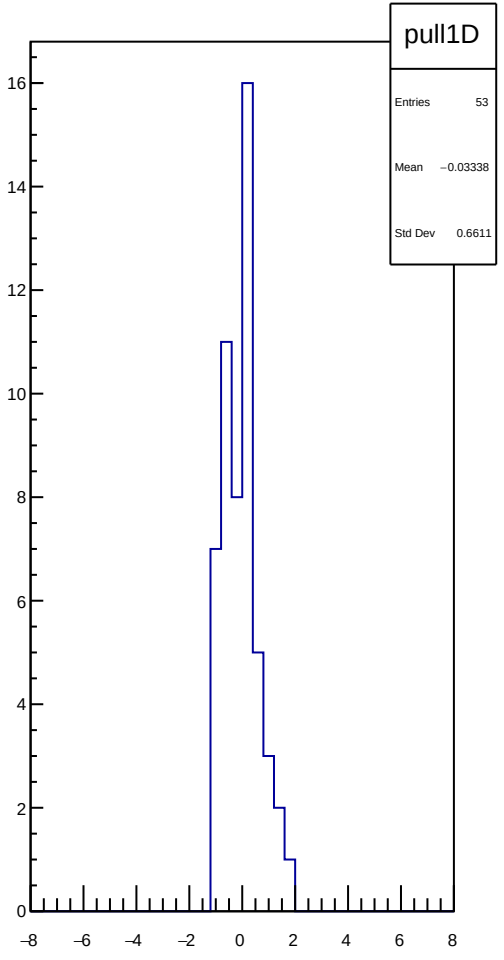

reg_asym_right_dd_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 41.65 / 52
p0 76.86 ± 2.804
pull
Entries 53
Mean 51.15
Std Dev 20.51

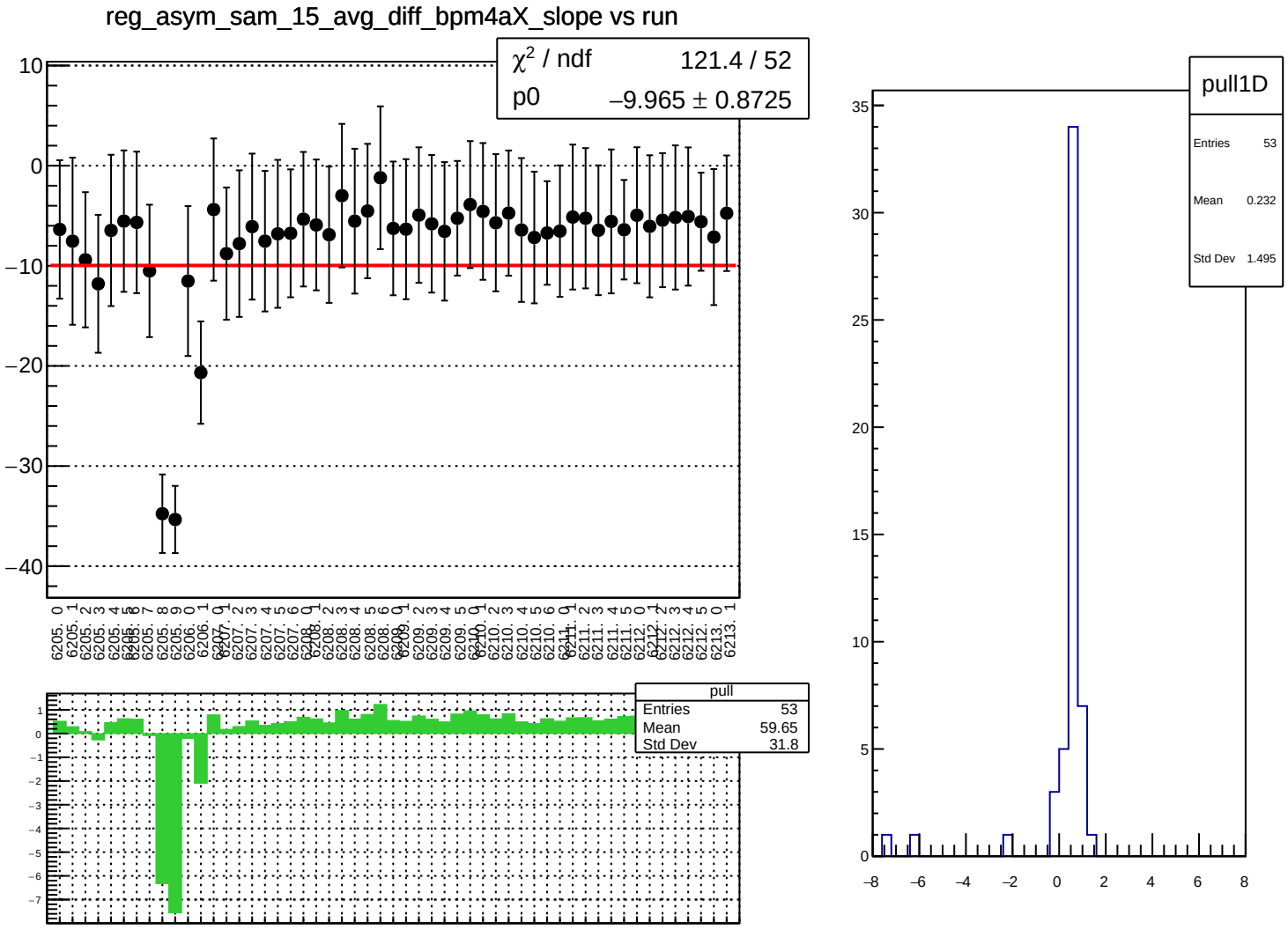

pull1D
Entries 53
Mean 0.1424
Std Dev 0.875

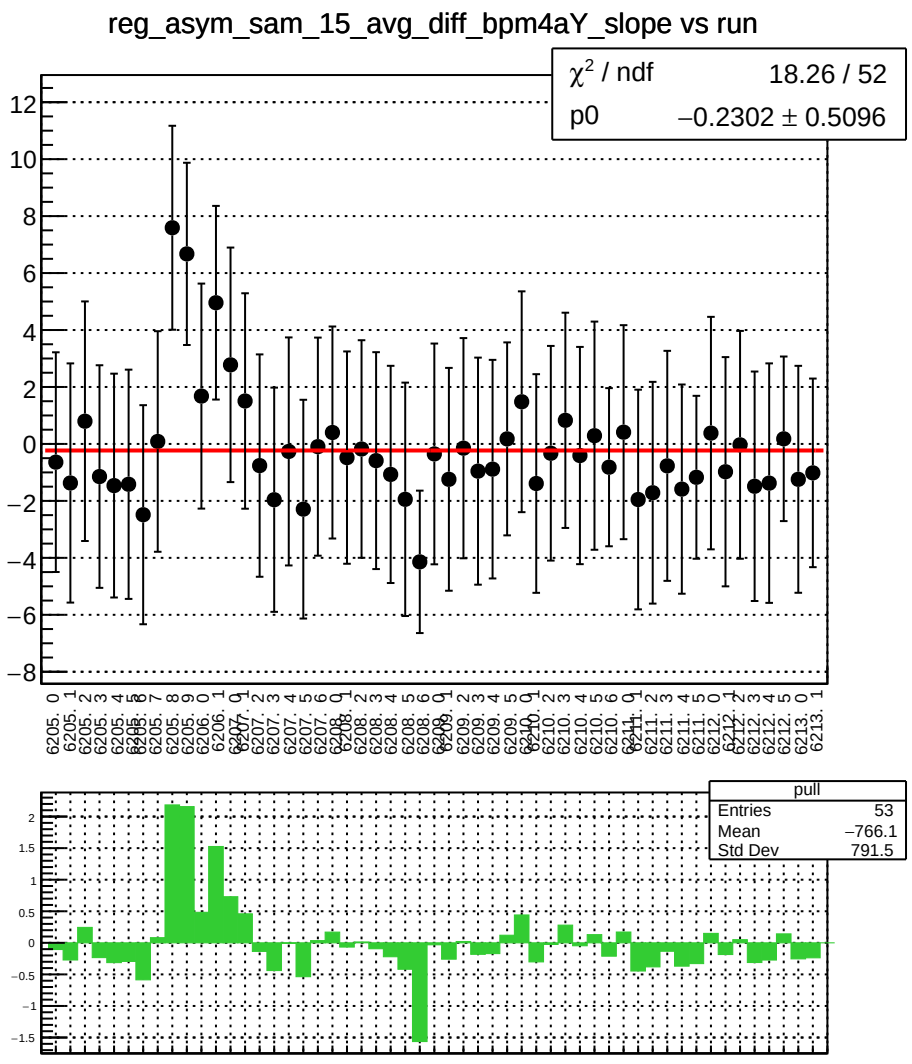

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 13.47 / 52
p0 22.12 ± 1.65
pull
Entries 53
Mean −366.4
Std Dev 392.8

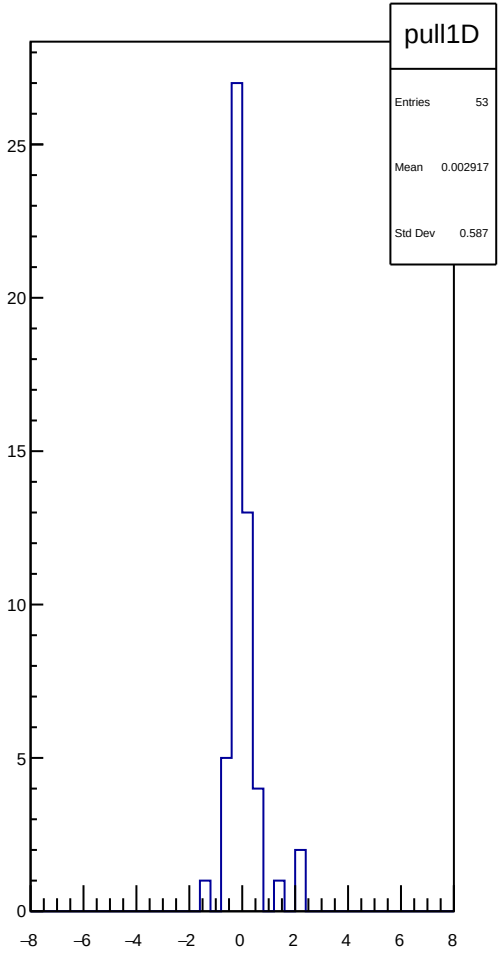

pull1D
Entries 53
Mean 0.00226
Std Dev 0.5042

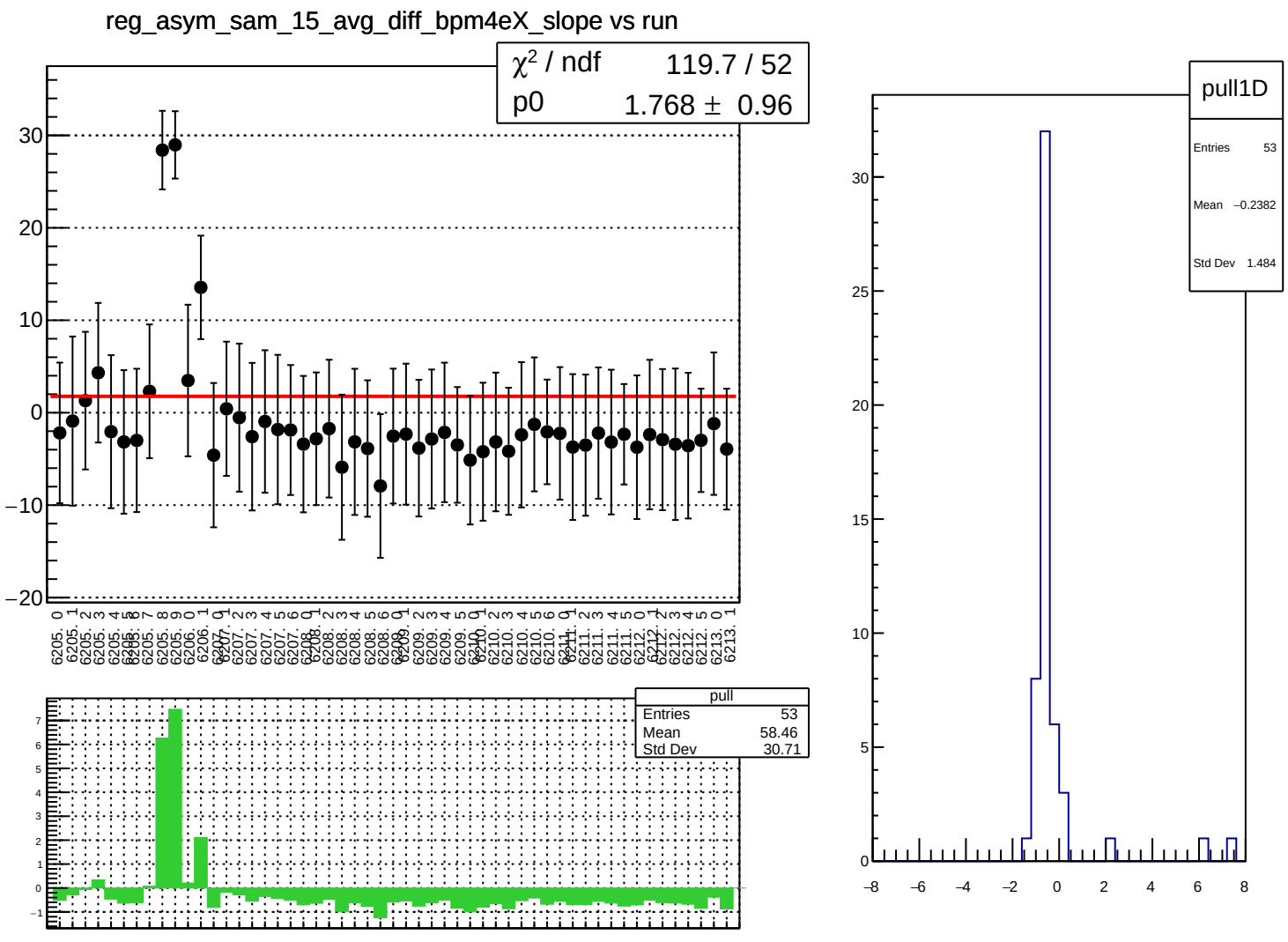

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 23.23 / 52
p0 −17.38 ± 0.1225
pull
Entries 53
Mean −52.92
Std Dev 74.73

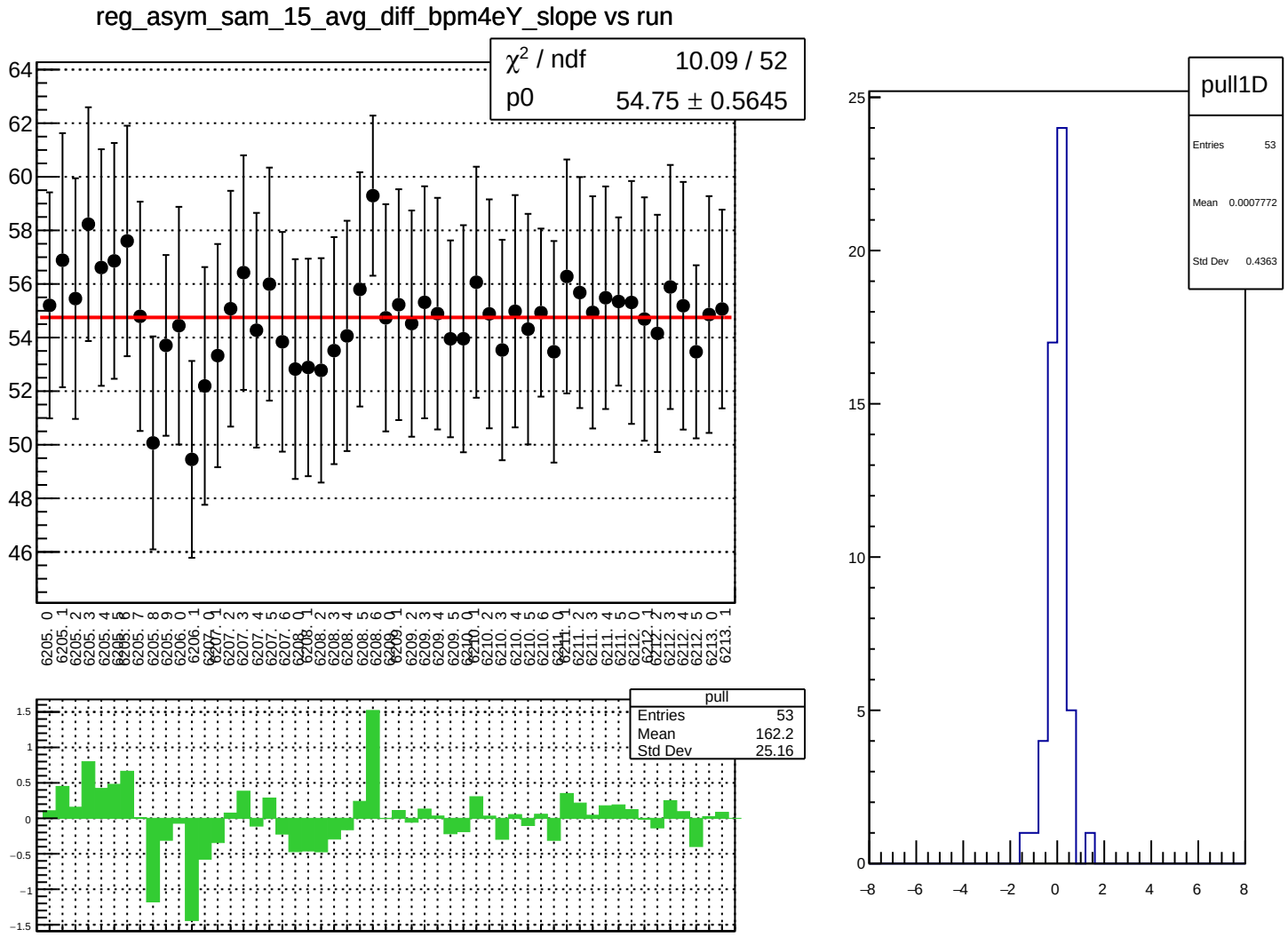

pull1D
Entries 53
Mean −0.03338
Std Dev 0.6611

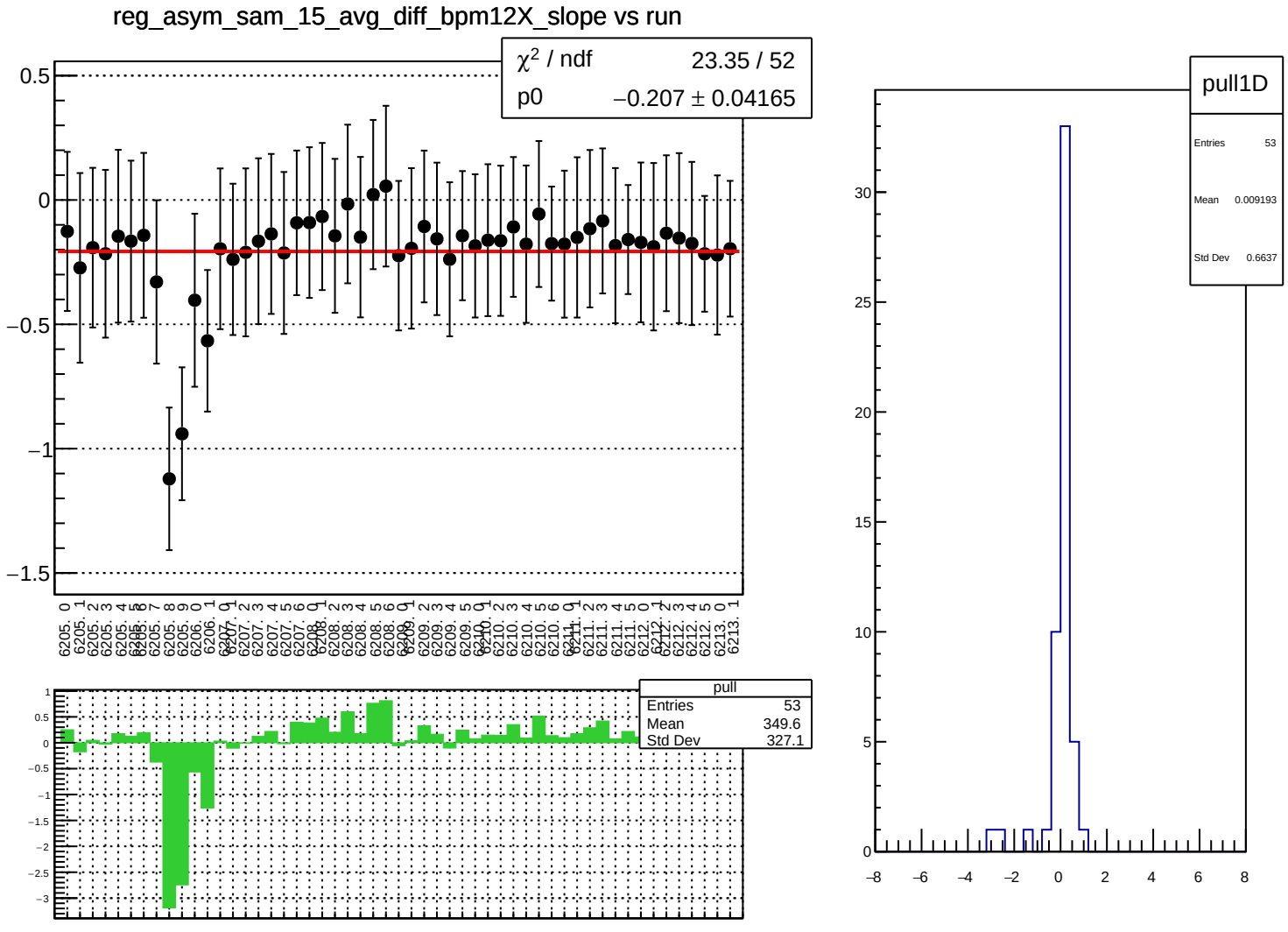

reg_asym_sam_15_avg_diff_bpm4aX_slope vs run
χ² / ndf 121.4 / 52
p0 −9.965 ± 0.8725
pull
Entries 53
Mean 59.65
Std Dev 31.8
pull1D
Entries 53
Mean 0.232
Std Dev 1.495

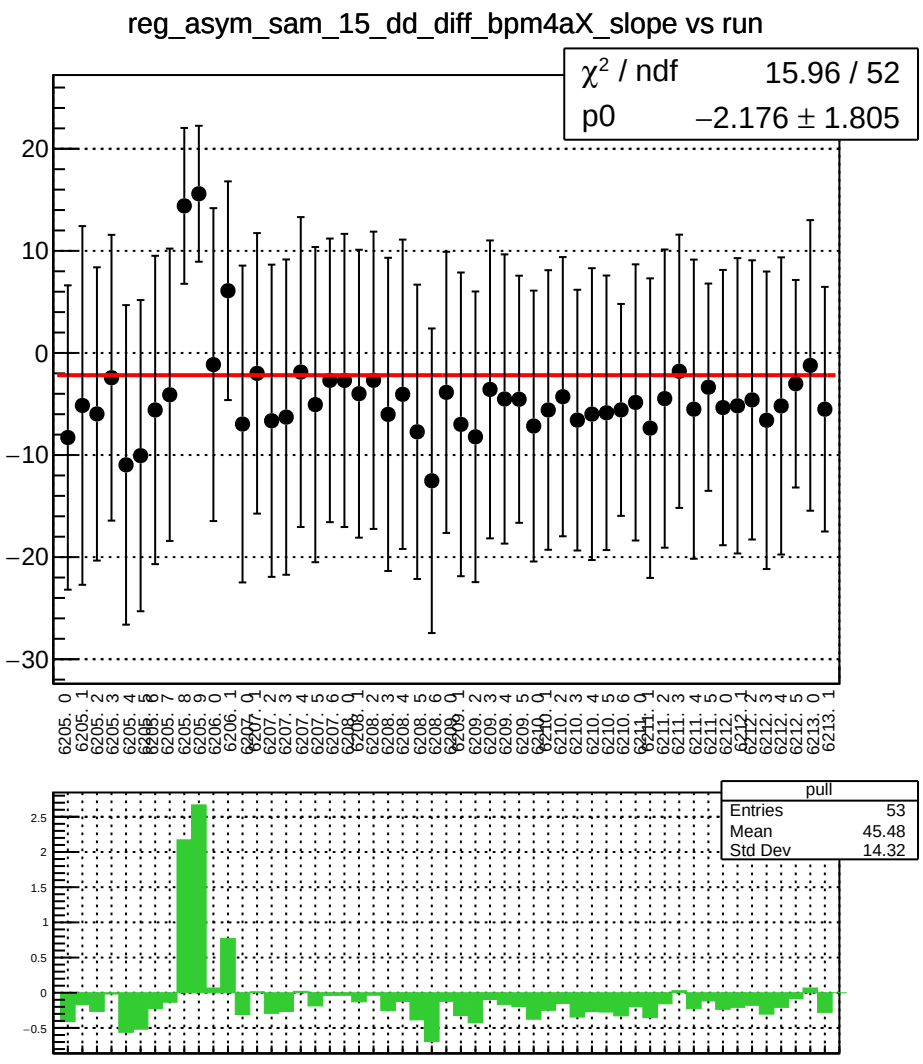

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 18.26 / 52
p0 −0.2302 ± 0.5096
pull
Entries 53
Mean −766.1
Std Dev 791.5

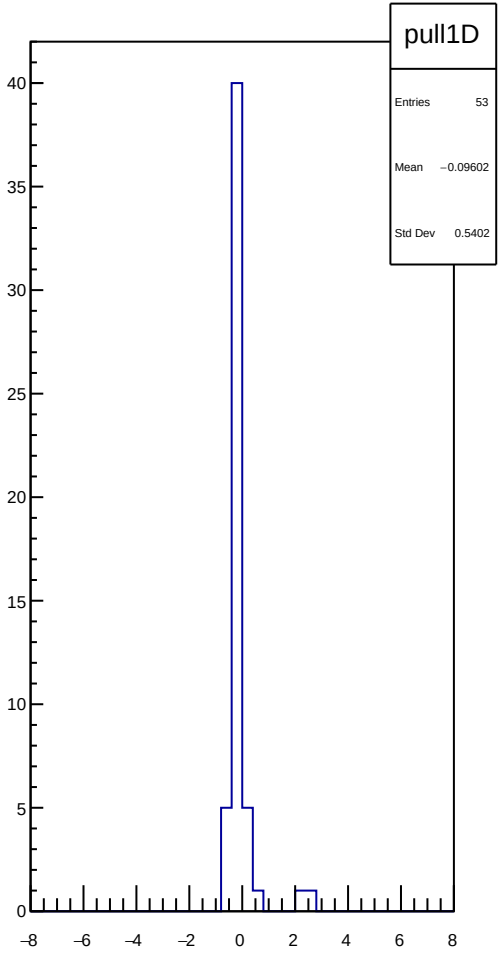

pull1D
Entries 53
Mean 0.002917
Std Dev 0.587

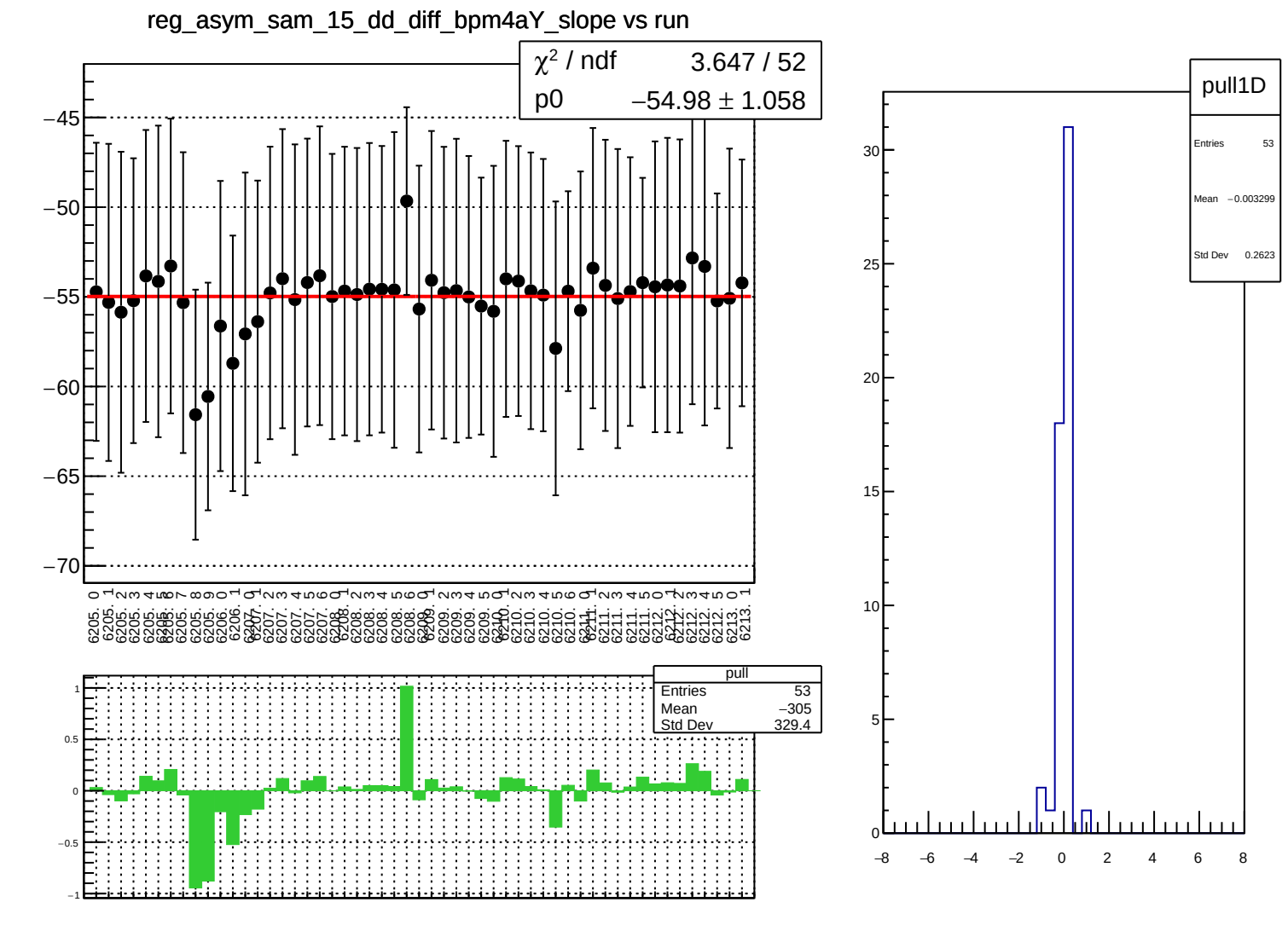

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 119.7 / 52
p0 1.768 ± 0.96
pull
Entries 53
Mean 58.46
Std Dev 30.71
pull1D
Entries 53
Mean −0.2382
Std Dev 1.484

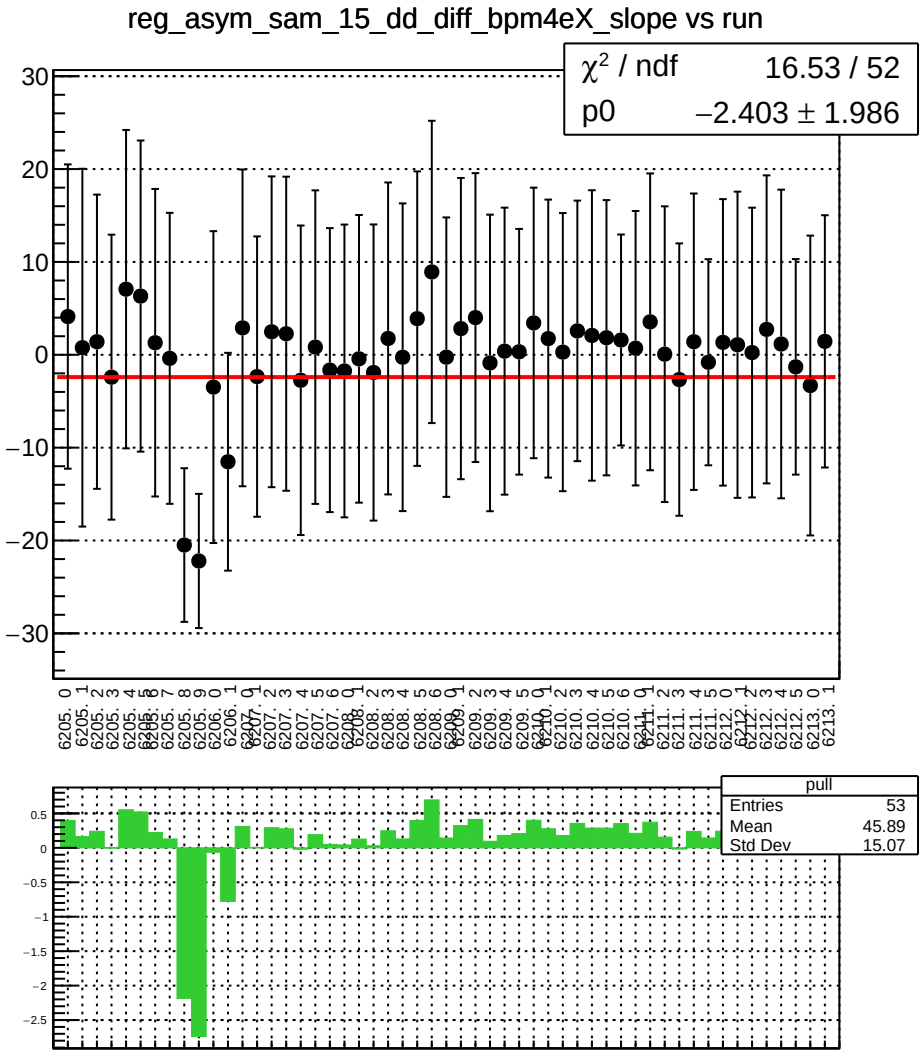

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.09 / 52
p0 54.75 ± 0.5645
pull
Entries 53
Mean 162.2
Std Dev 25.16
pull1D
Entries 53
Mean 0.0007772
Std Dev 0.4363

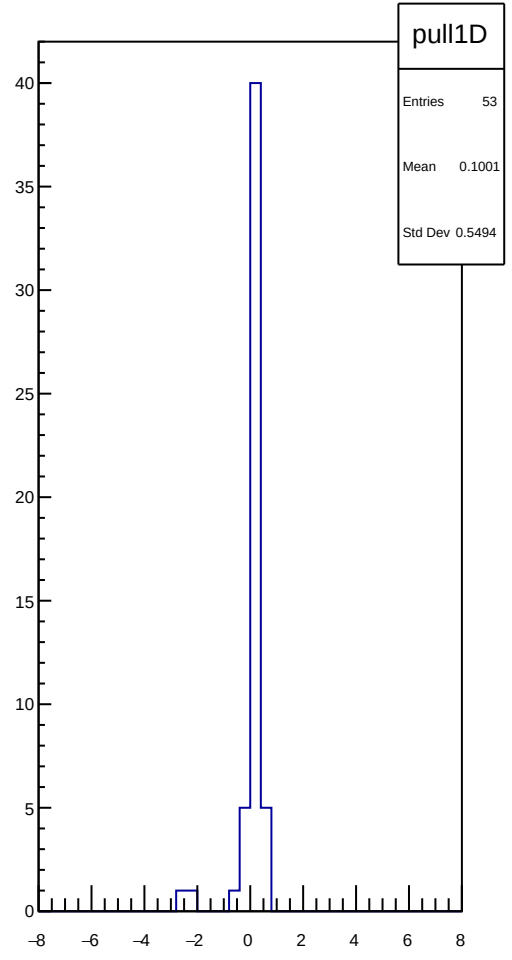

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 23.35 / 52
p0 −0.207 ± 0.04165
pull
Entries 53
Mean 349.6
Std Dev 327.1
pull1D
Entries 53
Mean 0.009193
Std Dev 0.6637

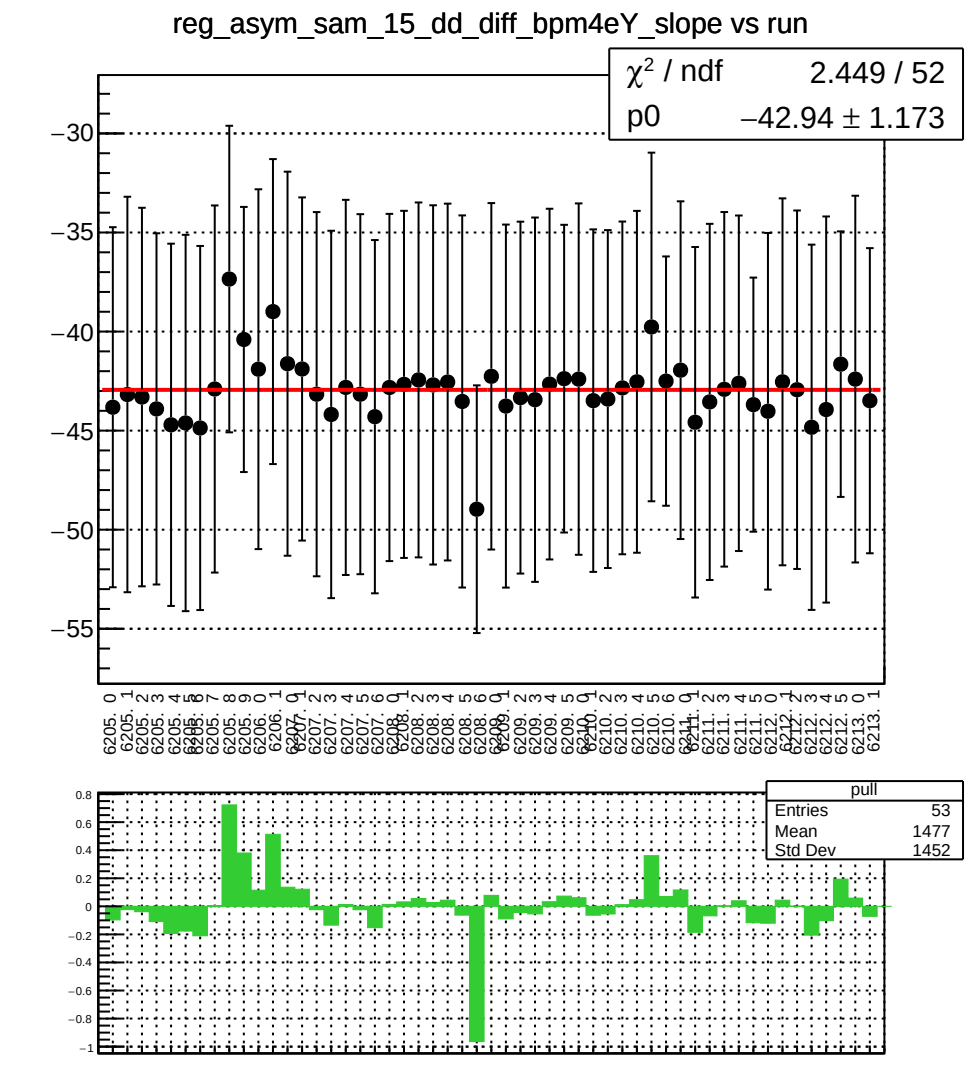

reg_asym_sam_15_dd_diff_bpm4aX_slope vs run
χ² / ndf 15.96 / 52
p0 −2.176 ± 1.805
pull
Entries 53
Mean 45.48
Std Dev 14.32

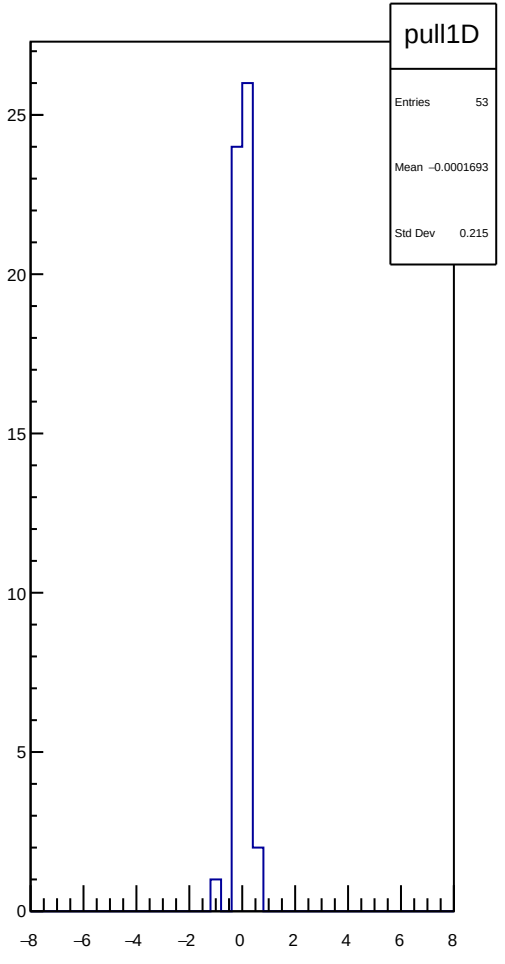

pull1D
Entries 53
Mean −0.09602
Std Dev 0.5402

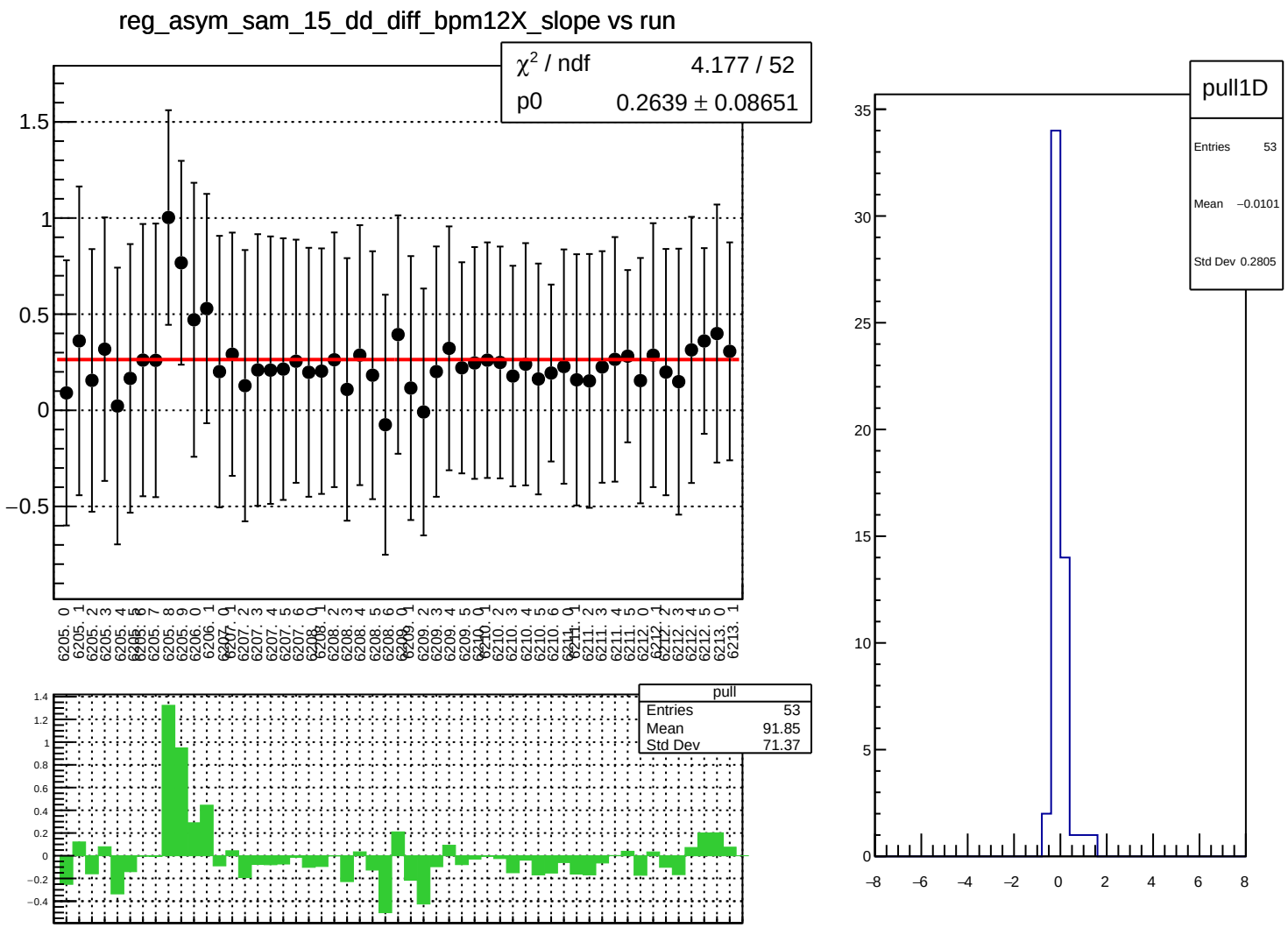

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.647 / 52
p0 −54.98 ± 1.058
pull
Entries 53
Mean −305
Std Dev 329.4
pull1D
Entries 53
Mean −0.003299
Std Dev 0.2623

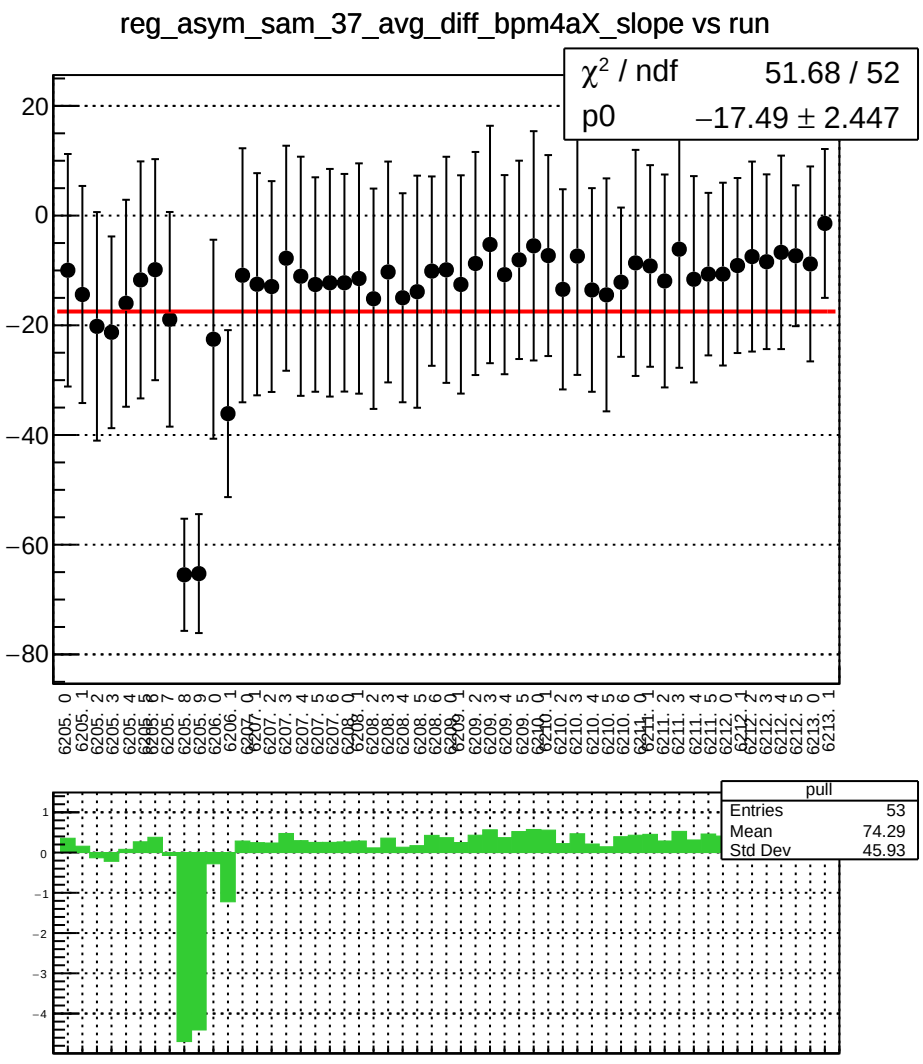

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 16.53 / 52
p0 −2.403 ± 1.986
pull
Entries 53
Mean 45.89
Std Dev 15.07

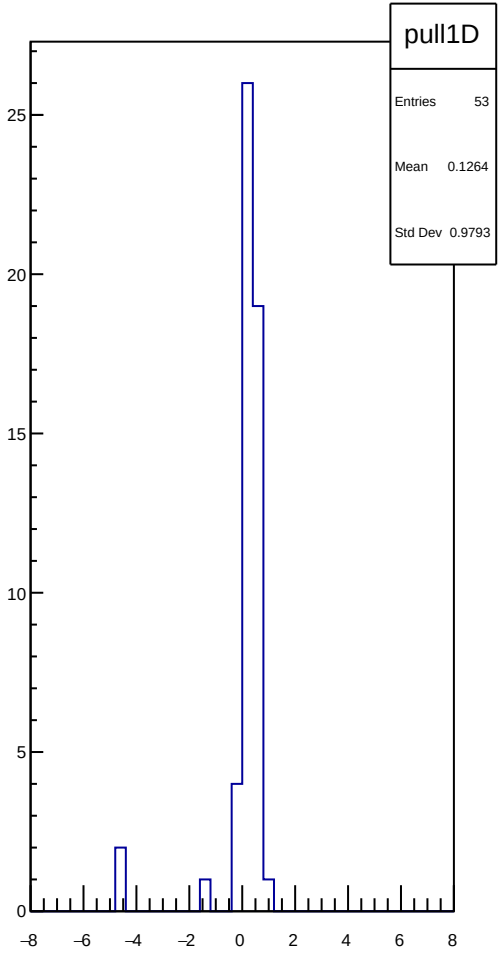

pull1D
Entries 53
Mean 0.1001
Std Dev 0.5494

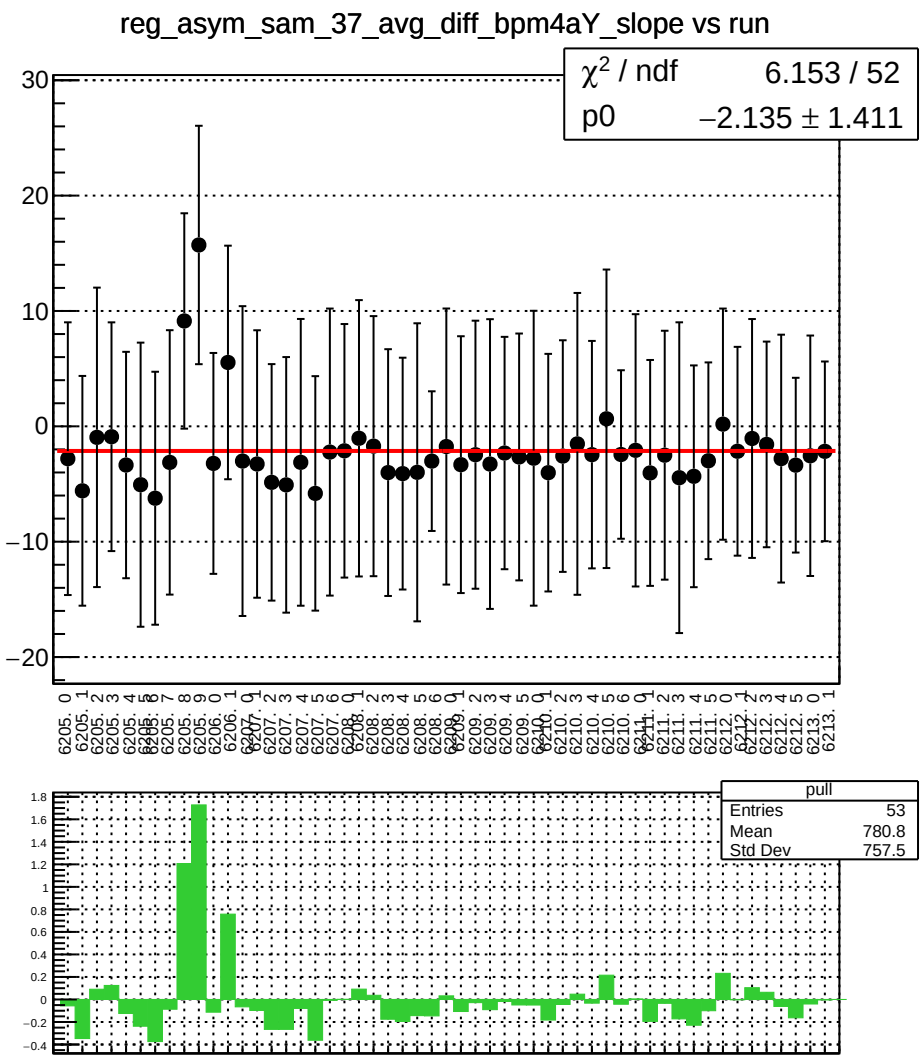

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.449 / 52
p0 −42.94 ± 1.173
pull
Entries 53
Mean 1477
Std Dev 1452

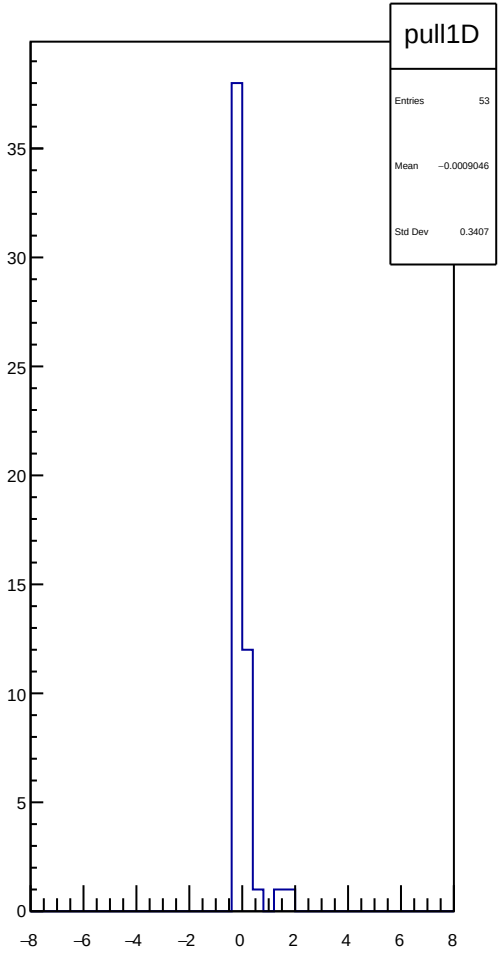

pull1D
Entries 53
Mean −0.0001693
Std Dev 0.215

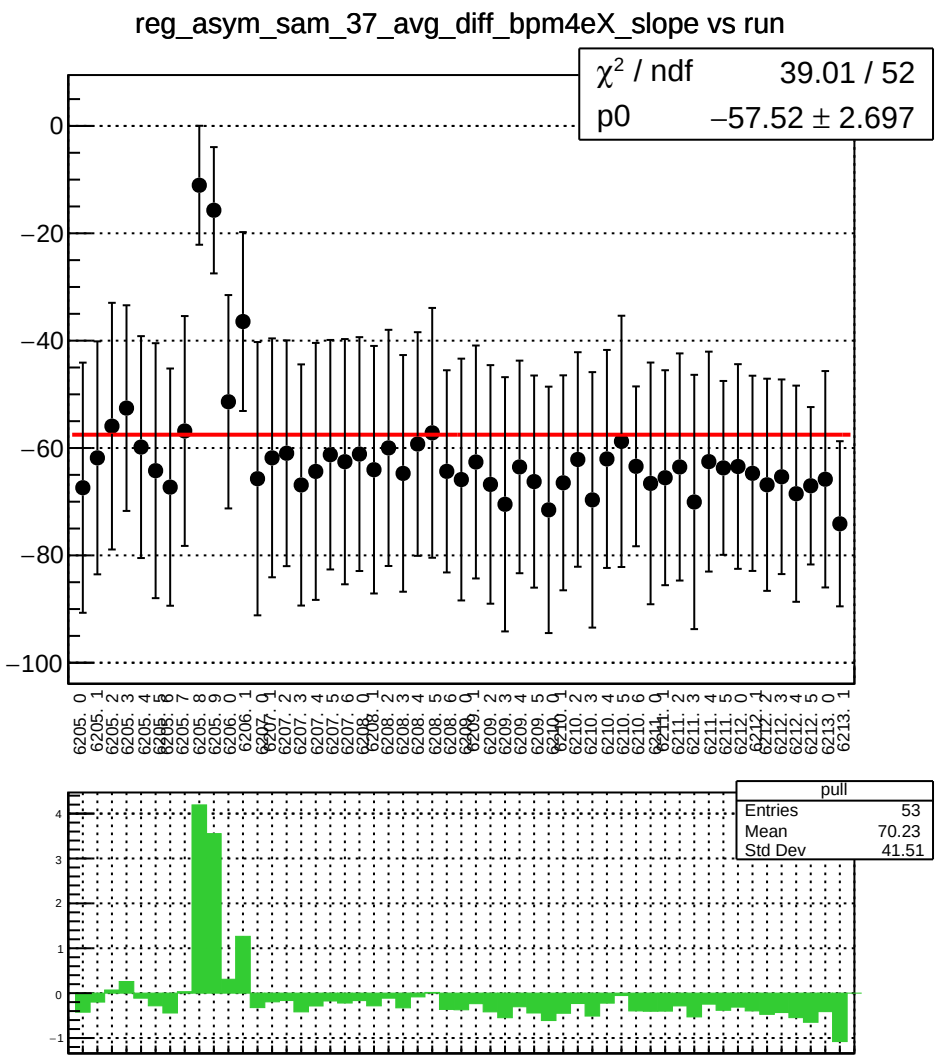

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 4.177 / 52
p0 0.2639 ± 0.08651
pull
Entries 53
Mean 91.85
Std Dev 71.37
pull1D
Entries 53
Mean −0.0101
Std Dev 0.2805

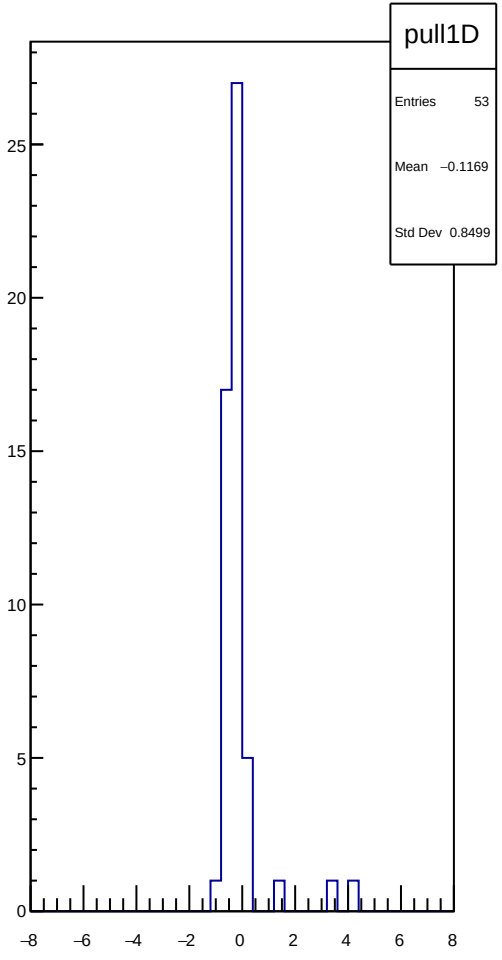

reg_asym_sam_37_avg_diff_bpm4aX_slope vs run
χ² / ndf 51.68 / 52
p0 −17.49 ± 2.447
pull
Entries 53
Mean 74.29
Std Dev 45.93

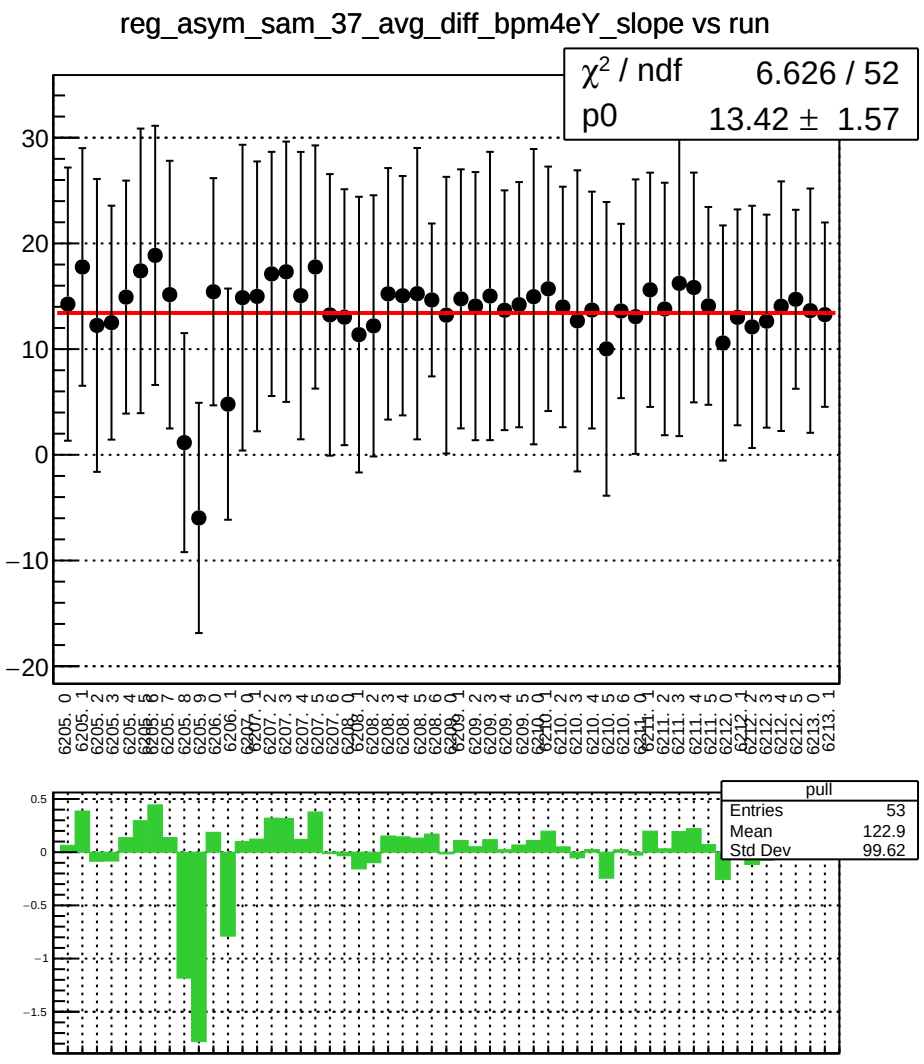

pull1D
Entries 53
Mean 0.1264
Std Dev 0.9793

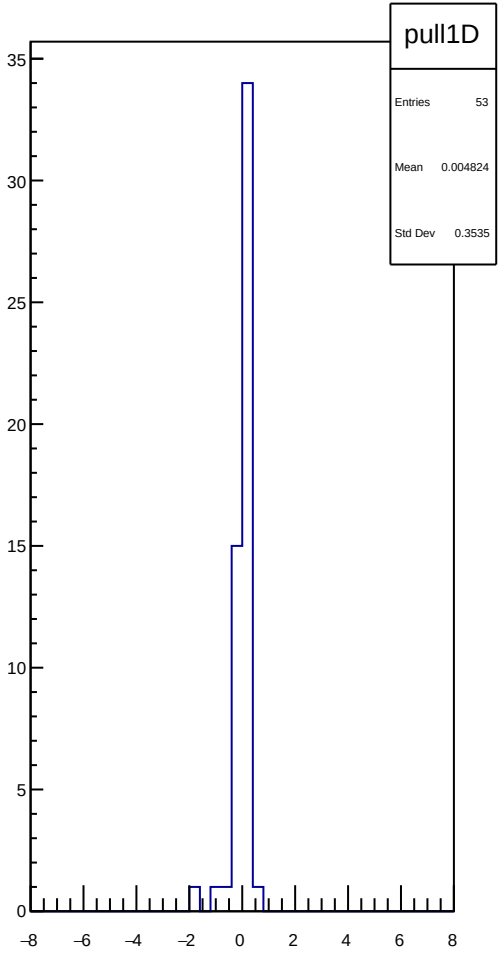

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.153 / 52
p0 −2.135 ± 1.411
pull
Entries 53
Mean 780.8
Std Dev 757.5

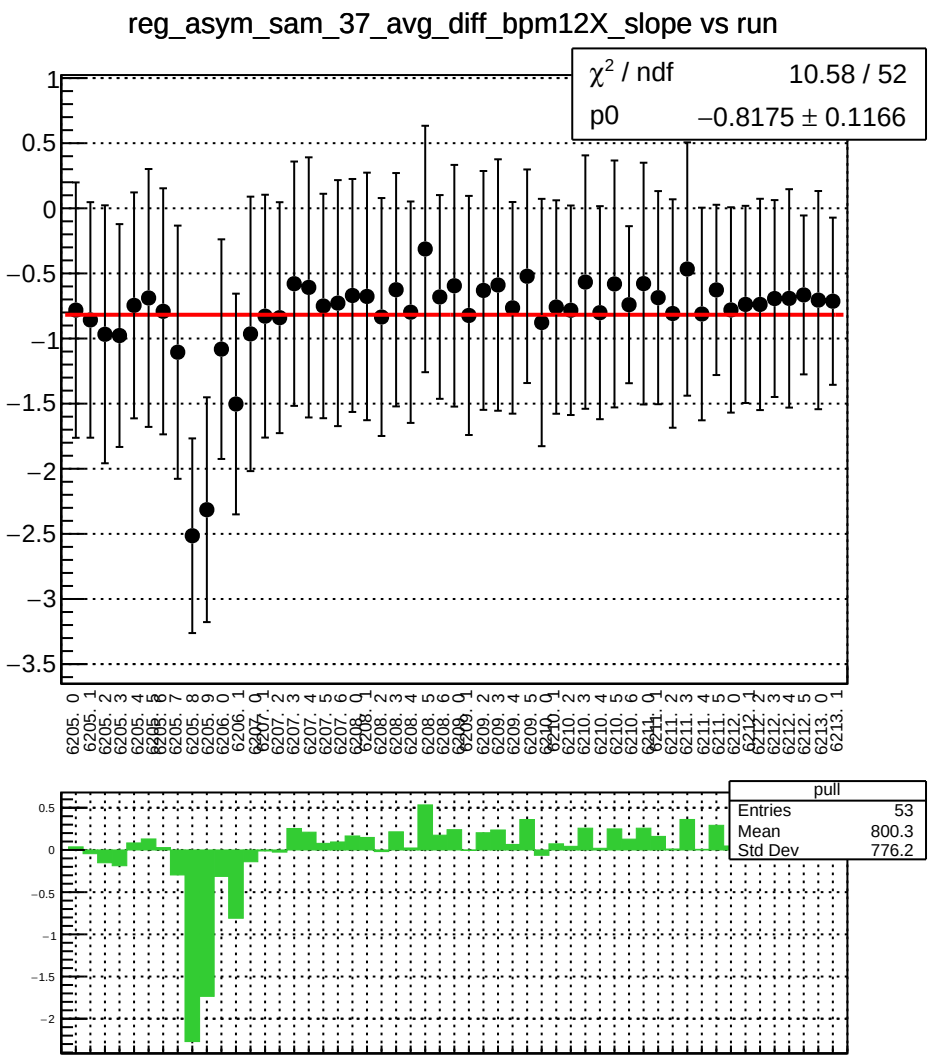

pull1D
Entries 53
Mean −0.0009046
Std Dev 0.3407

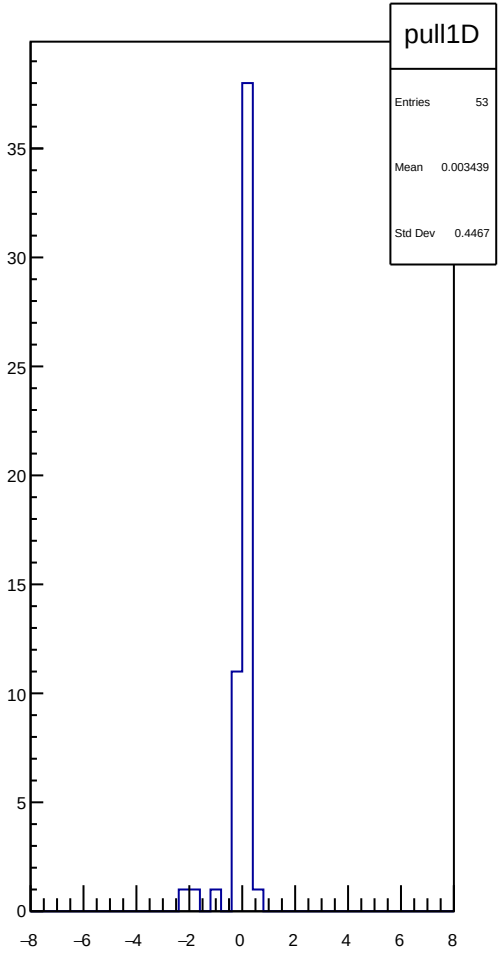

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 39.01 / 52
p0 −57.52 ± 2.697
pull
Entries 53
Mean 70.23
Std Dev 41.51

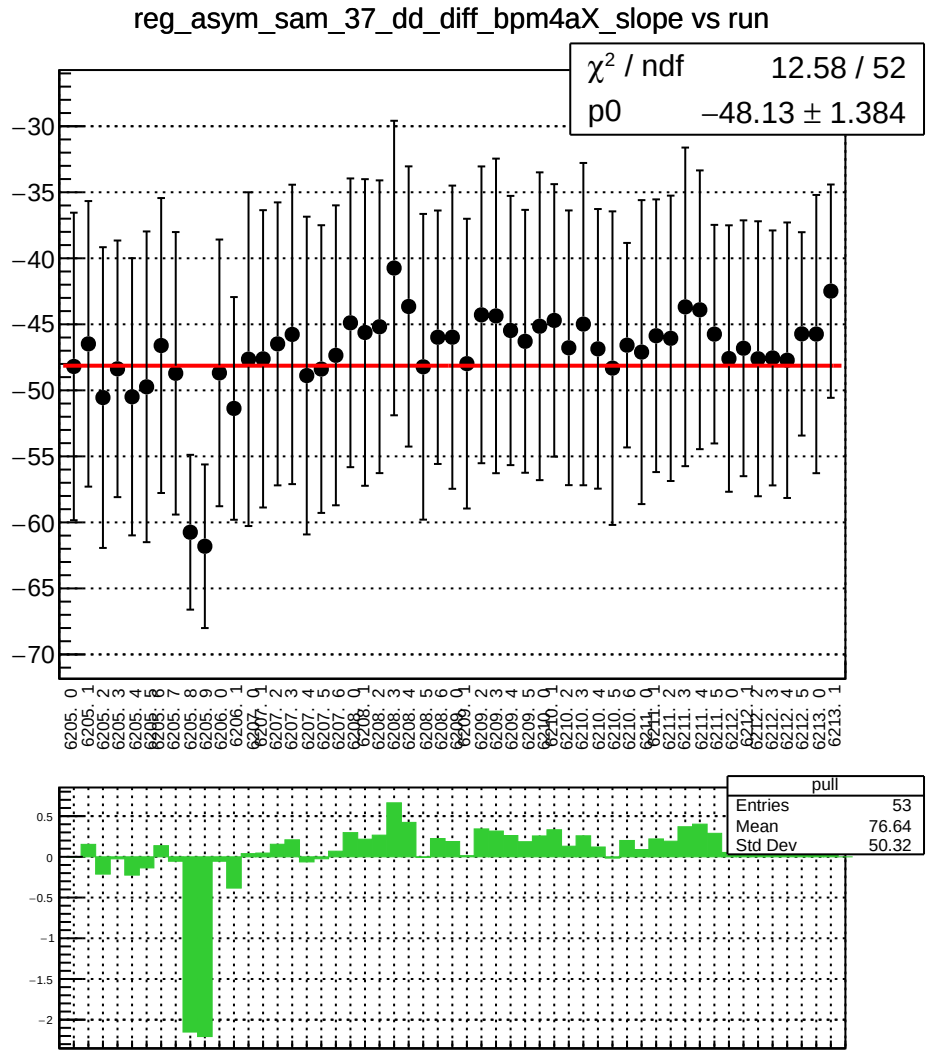

pull1D
Entries 53
Mean −0.1169
Std Dev 0.8499

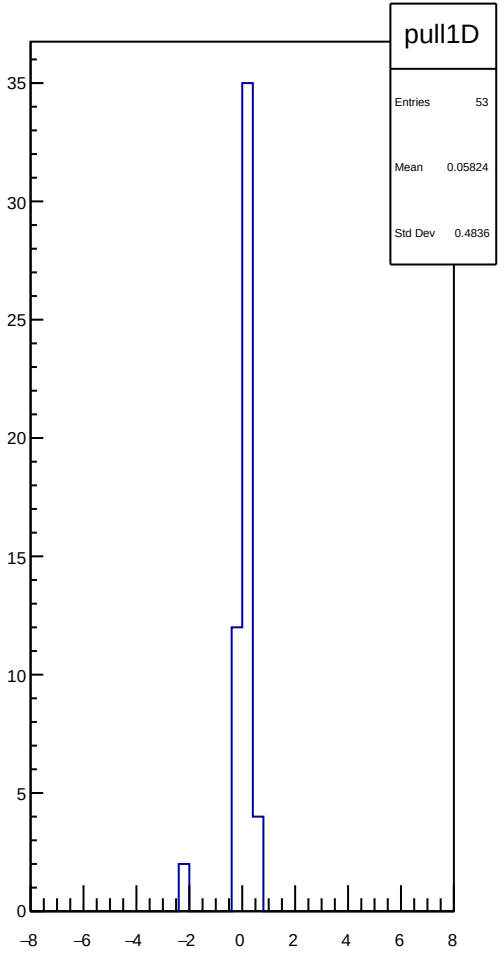

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.626 / 52
p0 13.42 ± 1.57
pull
Entries 53
Mean 122.9
Std Dev 99.62

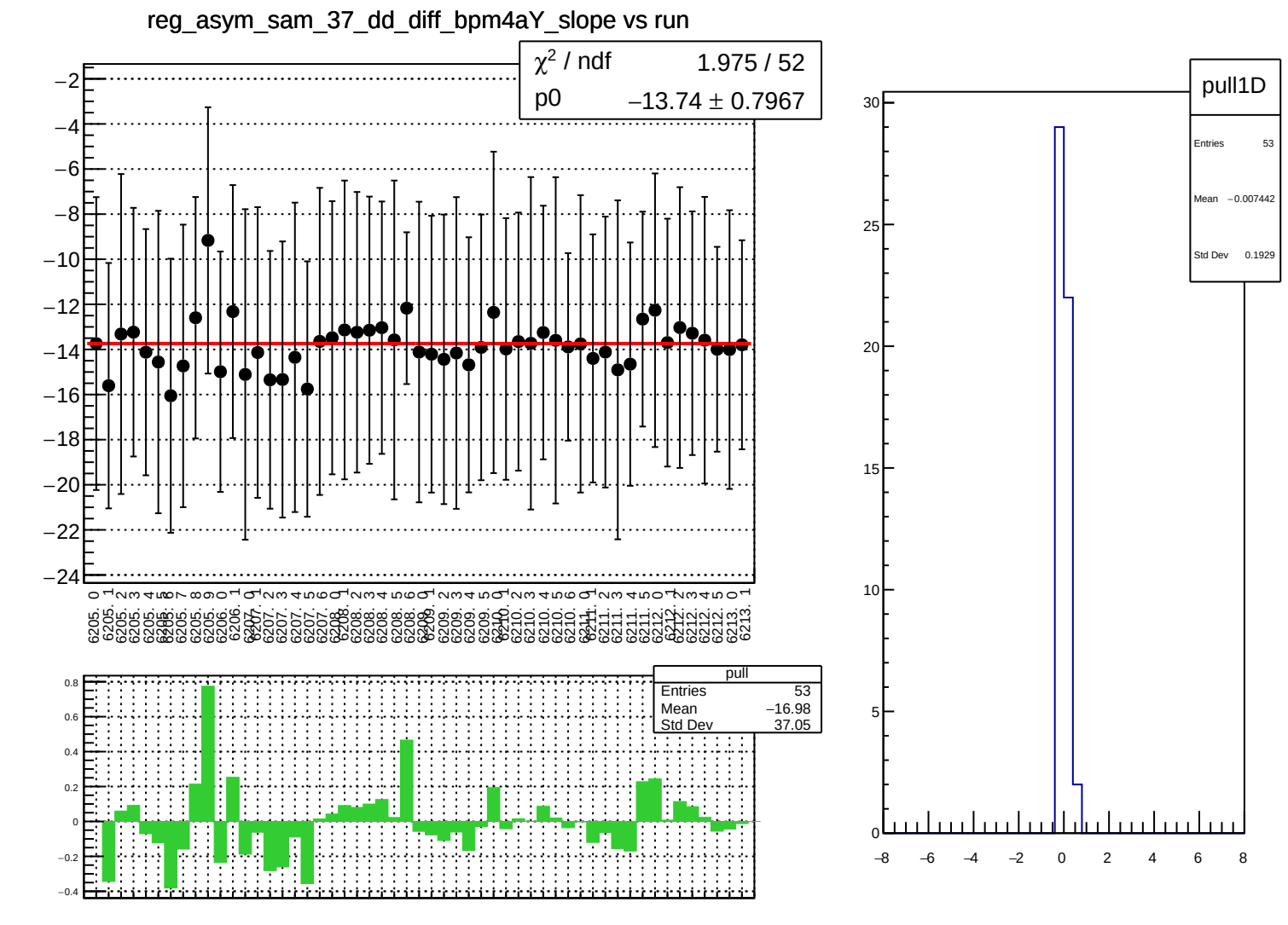

pull1D
Entries 53
Mean 0.004824
Std Dev 0.3535

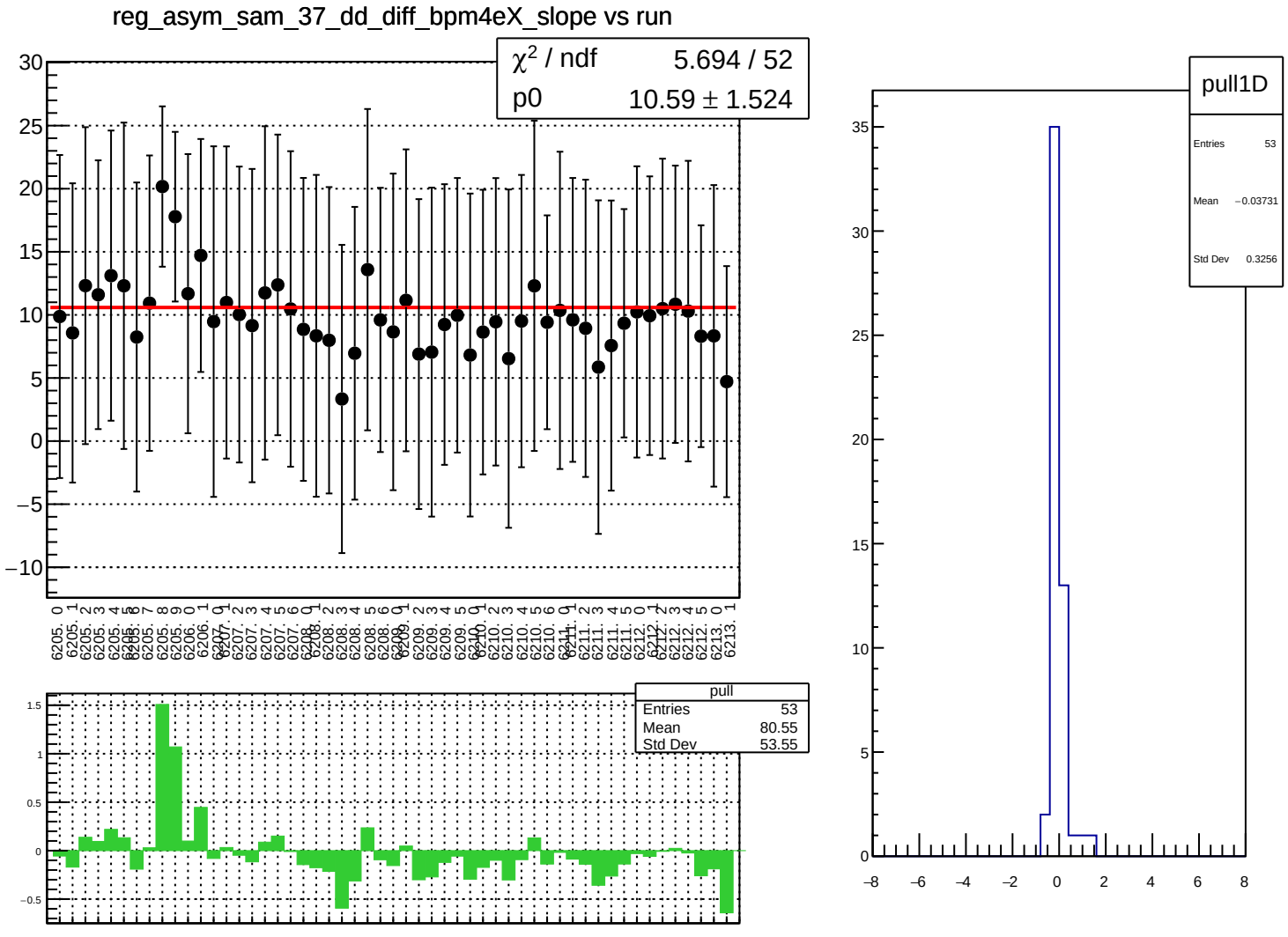

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 10.58 / 52
p0 −0.8175 ± 0.1166
pull
Entries 53
Mean 800.3
Std Dev 776.2

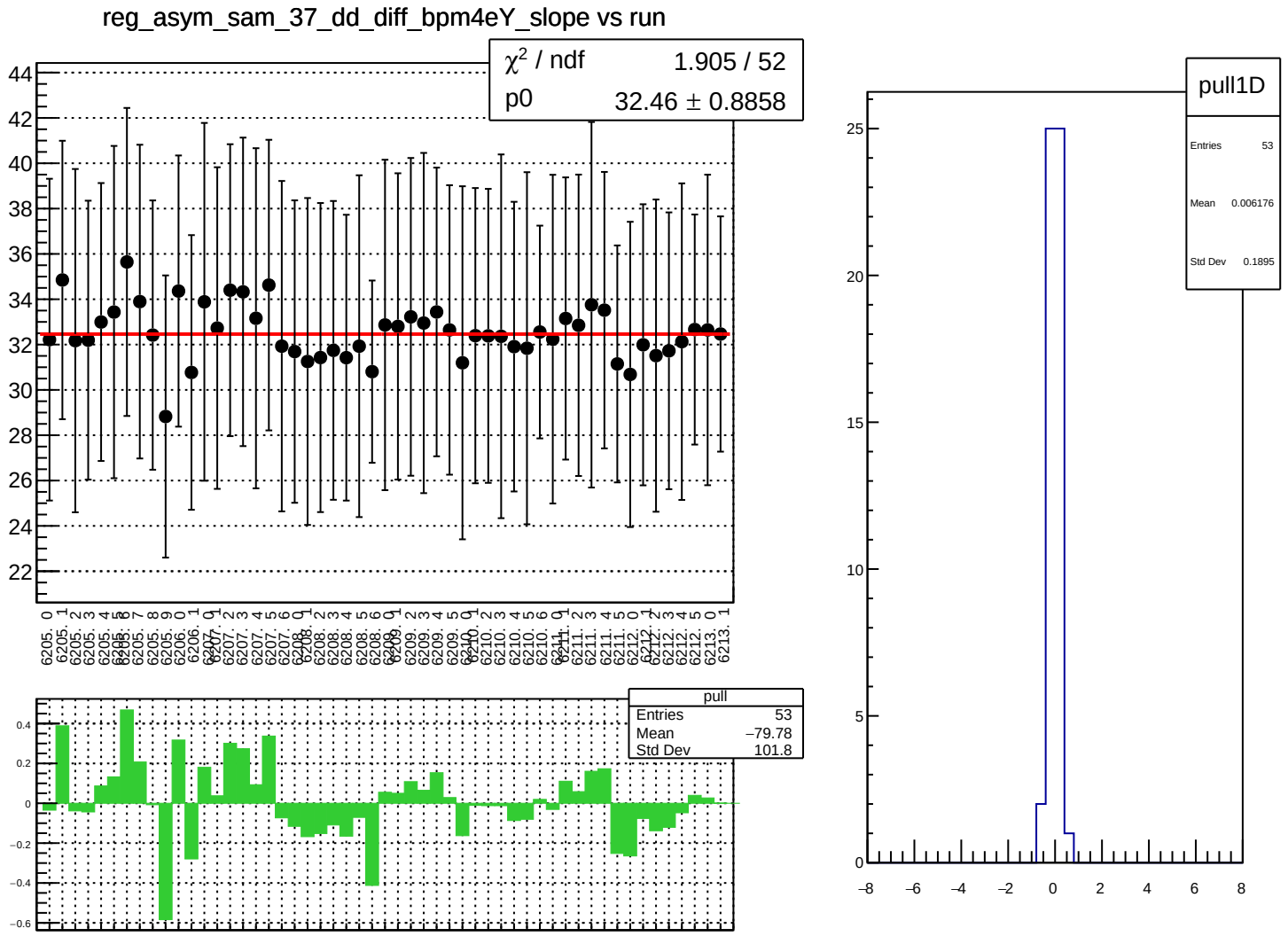

pull1D
Entries 53
Mean 0.003439
Std Dev 0.4467

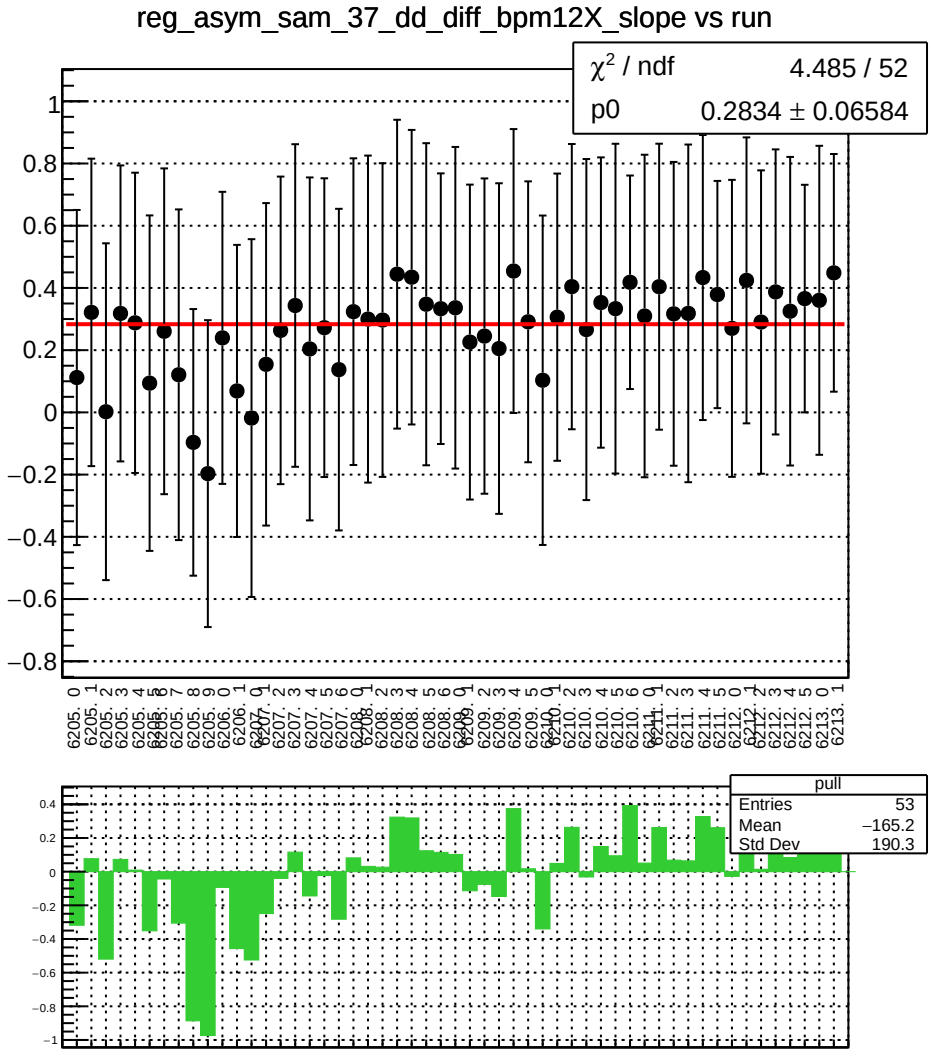

reg_asym_sam_37_dd_diff_bpm4aX_slope vs run
χ² / ndf 12.58 / 52
p0 −48.13 ± 1.384
pull
Entries 53
Mean 76.64
Std Dev 50.32

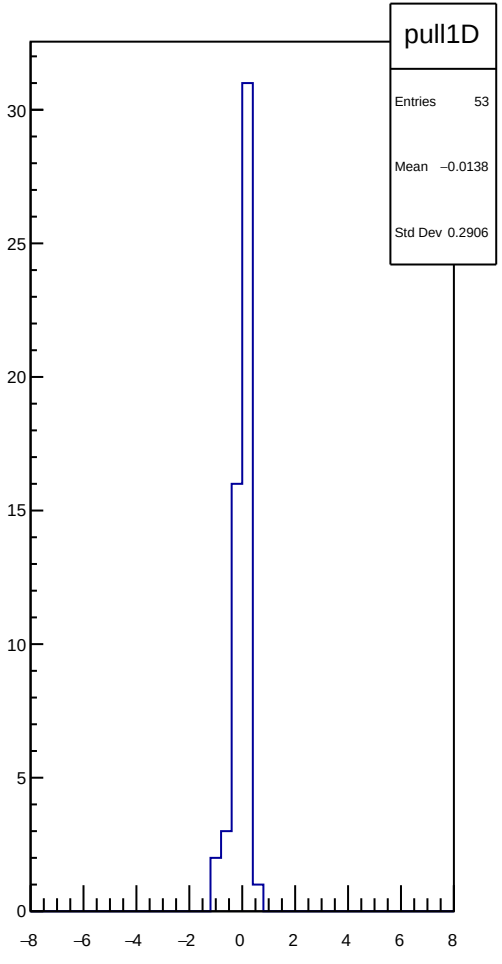

pull1D
Entries 53
Mean 0.05824
Std Dev 0.4836

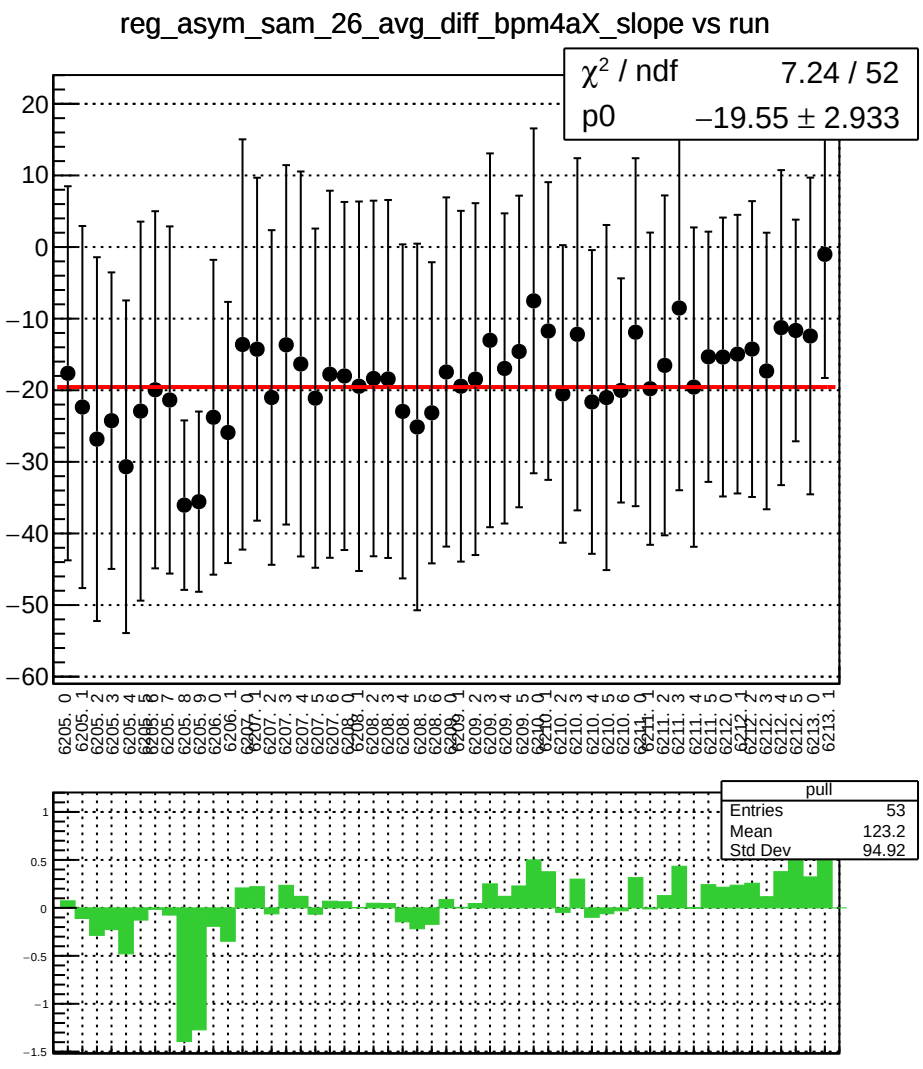

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.975 / 52
p0 −13.74 ± 0.7967
pull
Entries 53
Mean −16.98
Std Dev 37.05
pull1D
Entries 53
Mean −0.007442
Std Dev 0.1929

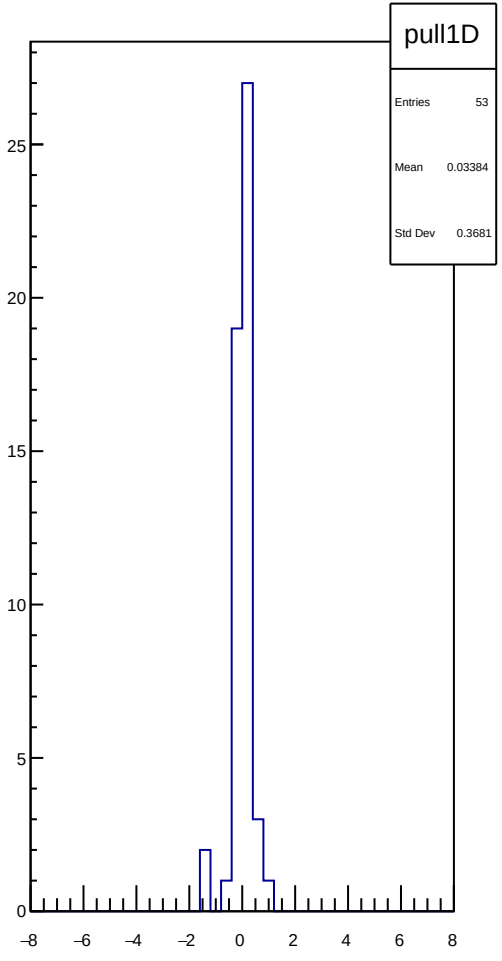

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.694 / 52
p0 10.59 ± 1.524
pull
Entries 53
Mean 80.55
Std Dev 53.55
pull1D
Entries 53
Mean −0.03731
Std Dev 0.3256

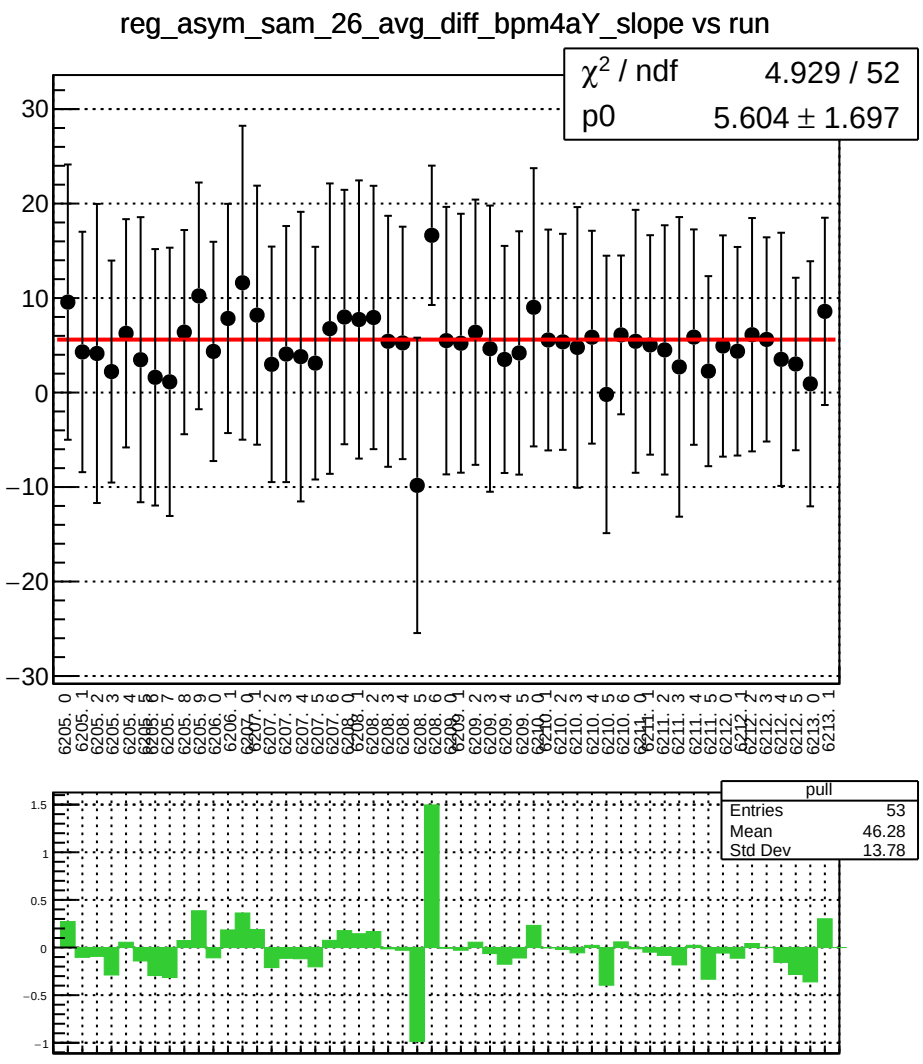

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.905 / 52
p0 32.46 ± 0.8858
pull
Entries 53
Mean −79.78
Std Dev 101.8
pull1D
Entries 53
Mean 0.006176
Std Dev 0.1895

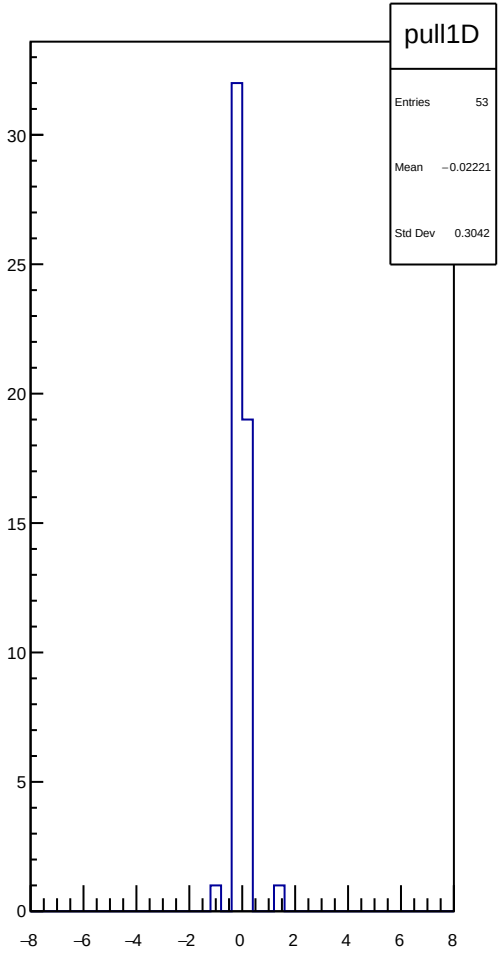

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 4.485 / 52
p0 0.2834 ± 0.06584
pull
Entries 53
Mean −165.2
Std Dev 190.3

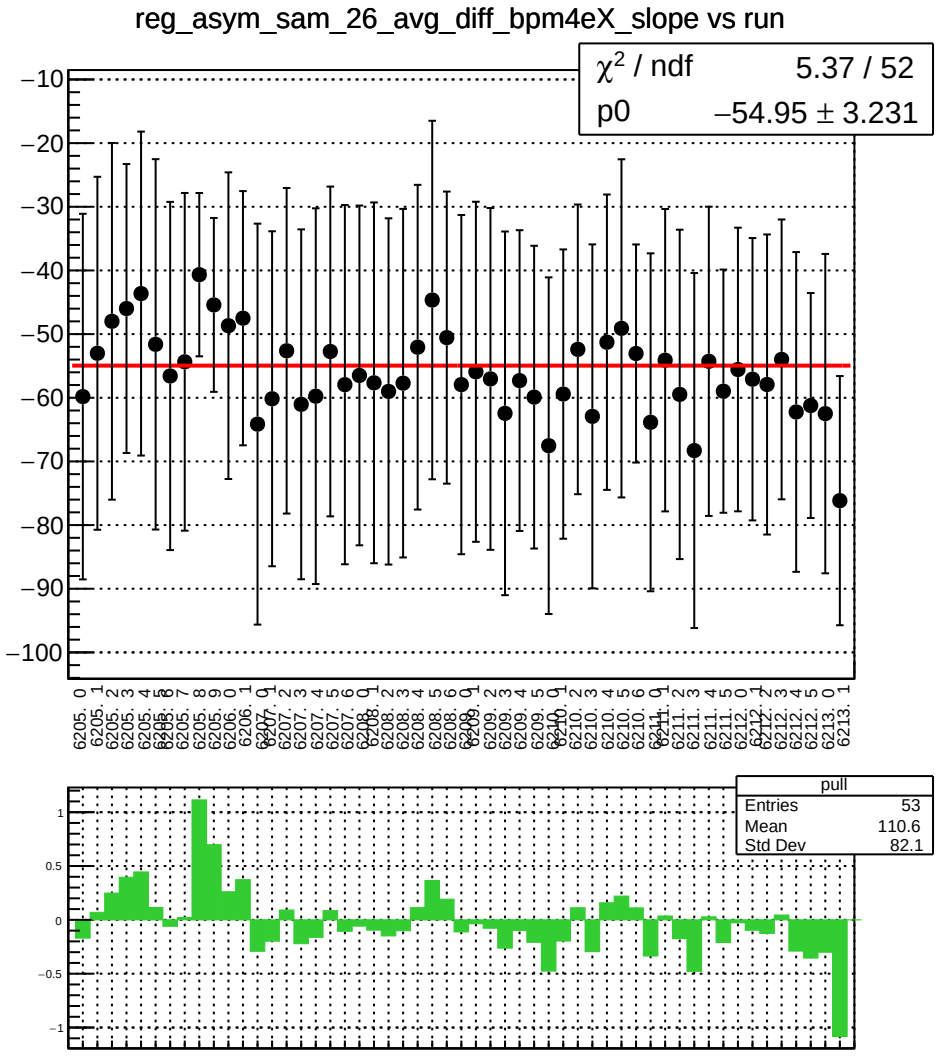

pull1D
Entries 53
Mean −0.0138
Std Dev 0.2906

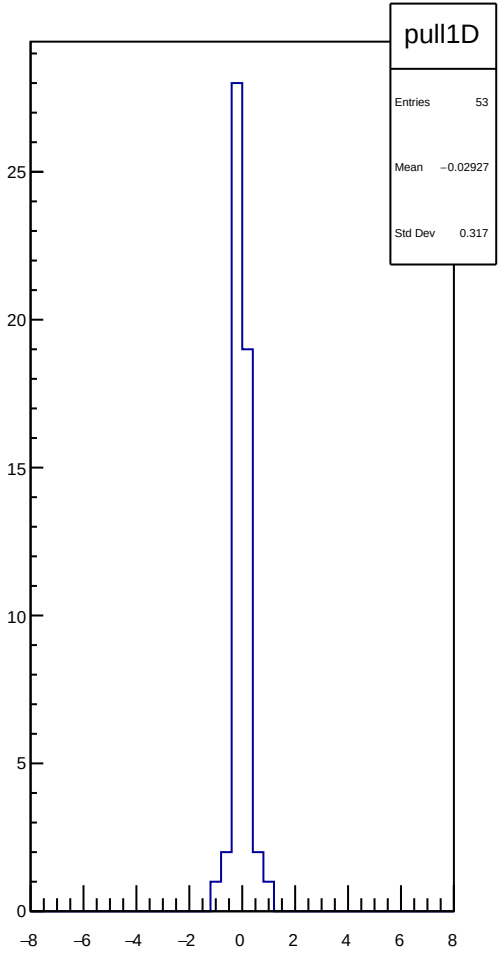

reg_asym_sam_26_avg_diff_bpm4aX_slope vs run
χ² / ndf 7.24 / 52
p0 −19.55 ± 2.933
pull
Entries 53
Mean 123.2
Std Dev 94.92

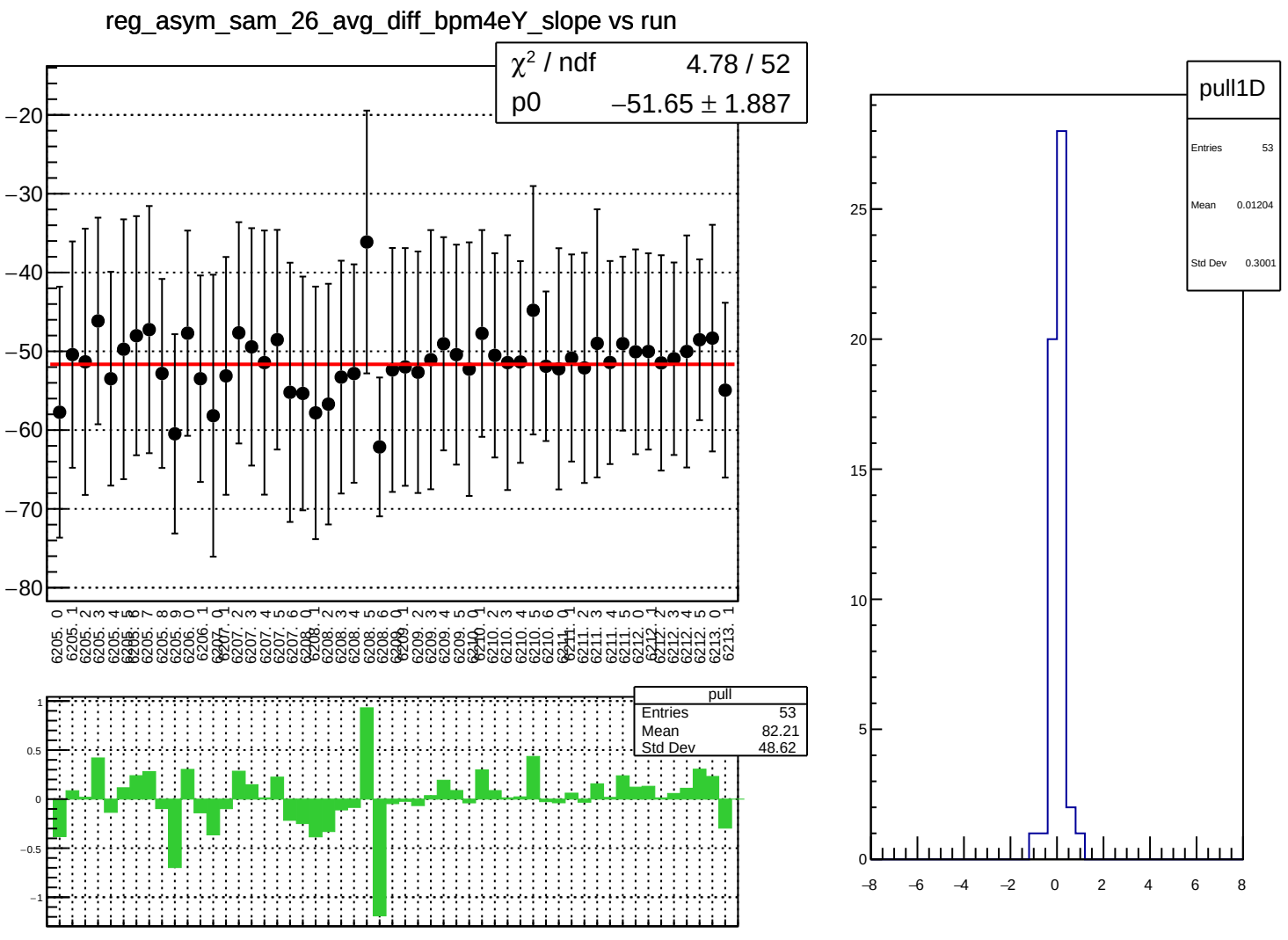

pull1D
Entries 53
Mean 0.03384
Std Dev 0.3681

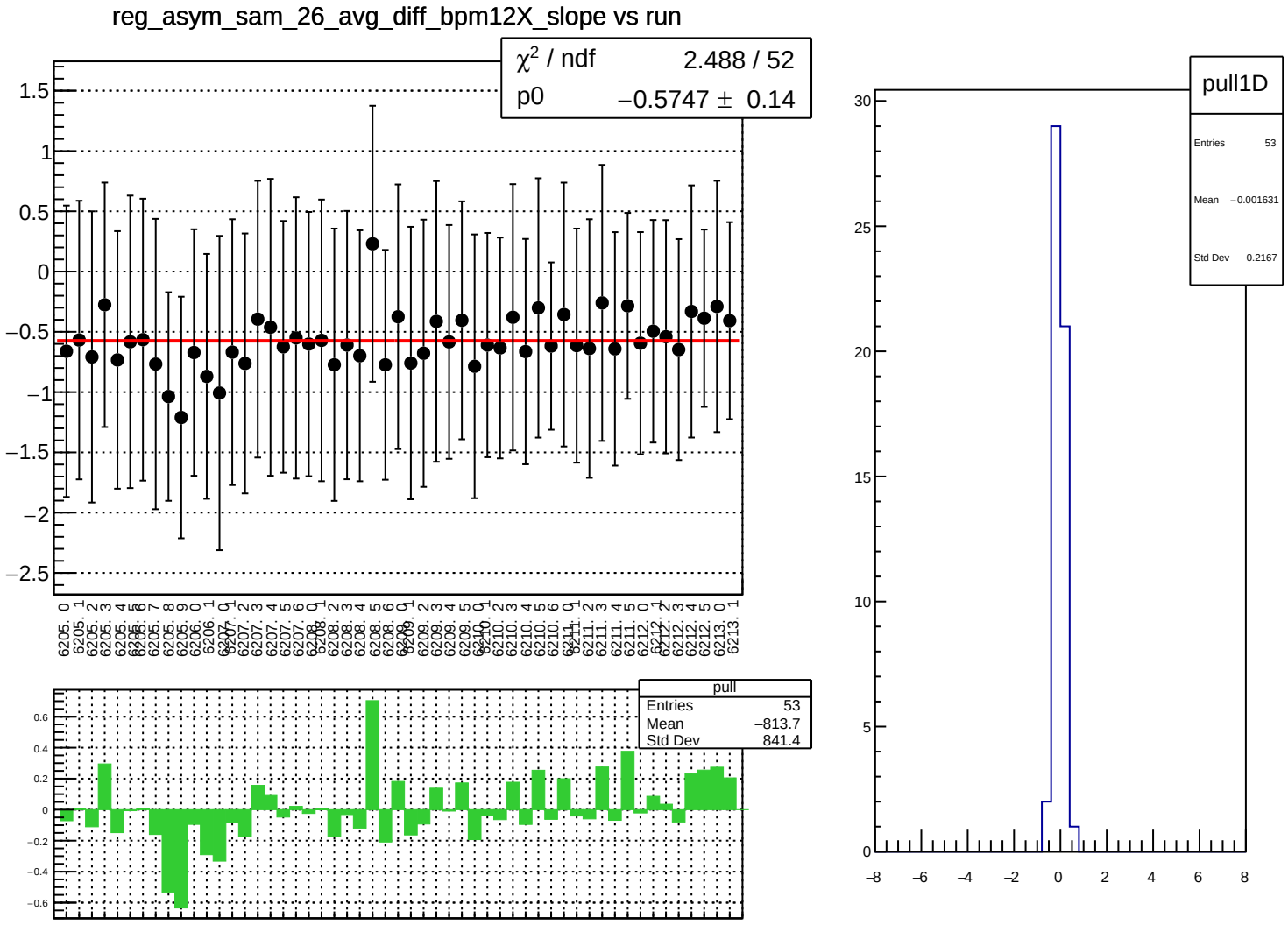

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.929 / 52
p0 5.604 ± 1.697
pull
Entries 53
Mean 46.28
Std Dev 13.78

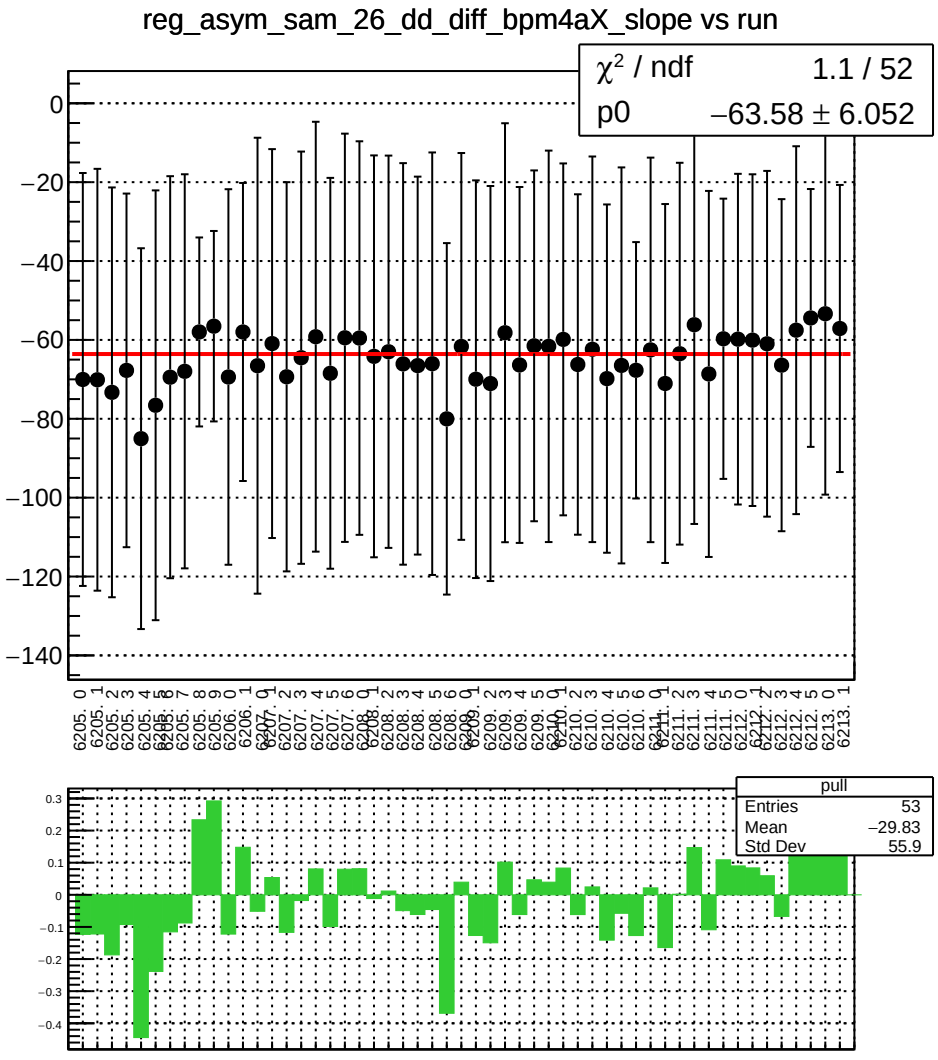

pull1D
Entries 53
Mean −0.02221
Std Dev 0.3042

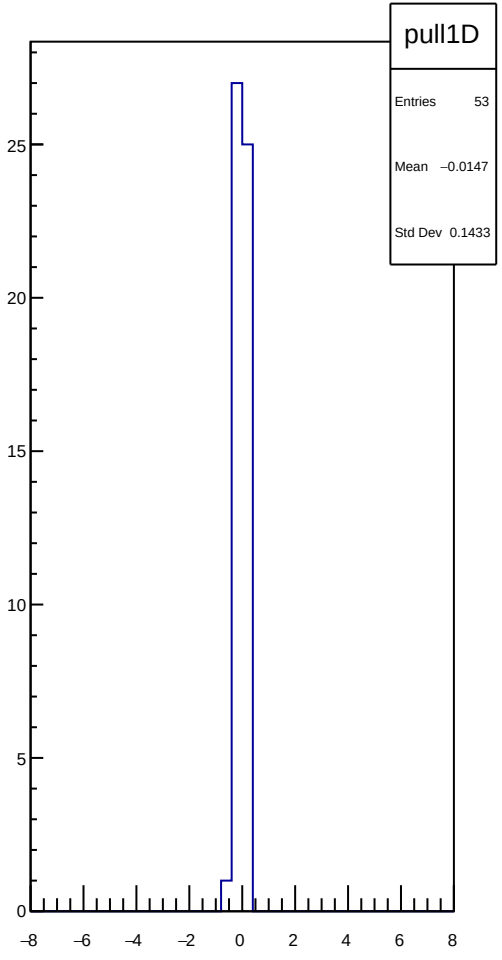

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 5.37 / 52
p0 −54.95 ± 3.231
pull
Entries 53
Mean 110.6
Std Dev 82.1

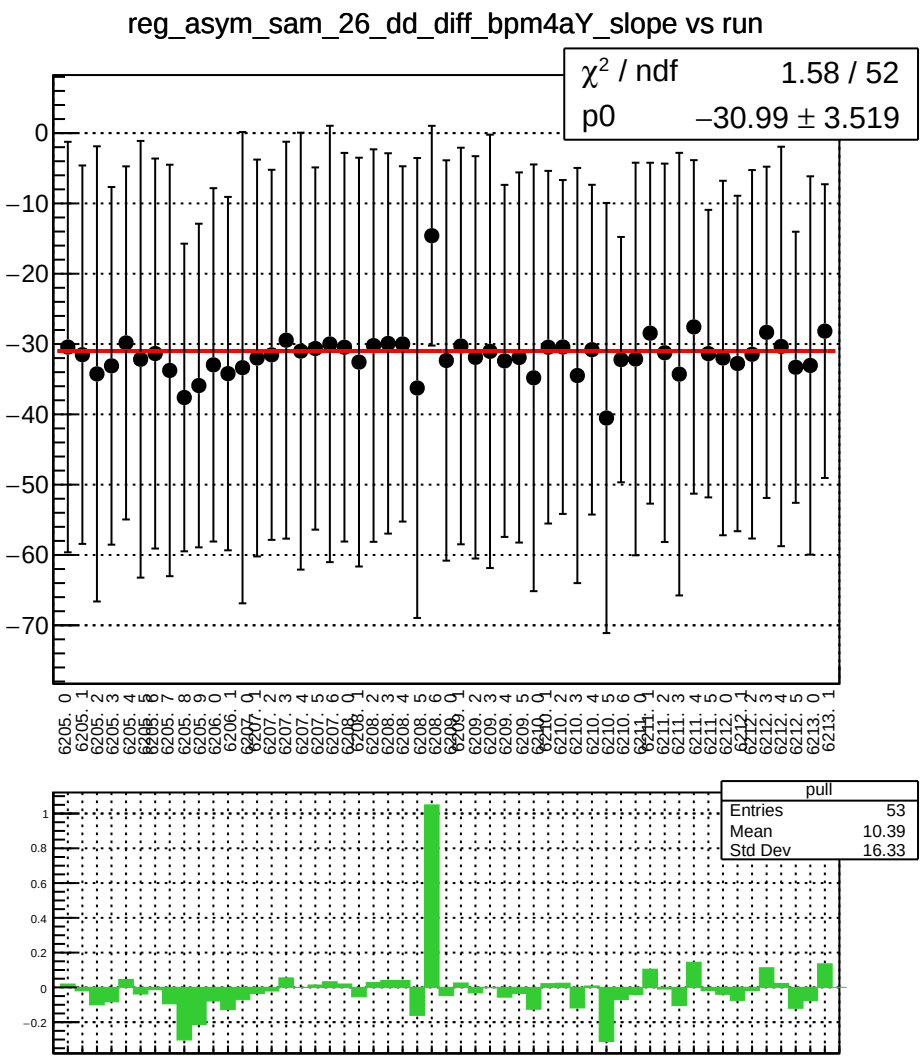

pull1D
Entries 53
Mean −0.02927
Std Dev 0.317

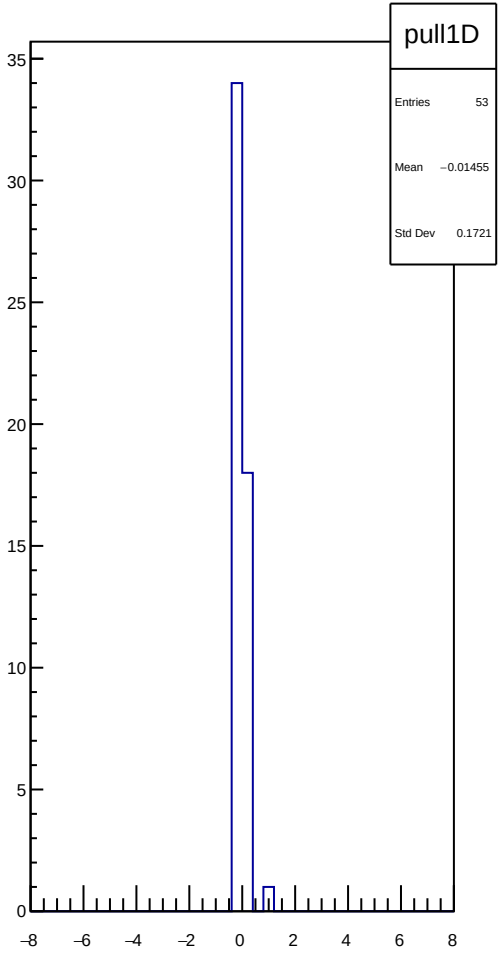

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.78 / 52
p0 −51.65 ± 1.887
pull
Entries 53
Mean 82.21
Std Dev 48.62
pull1D
Entries 53
Mean 0.01204
Std Dev 0.3001

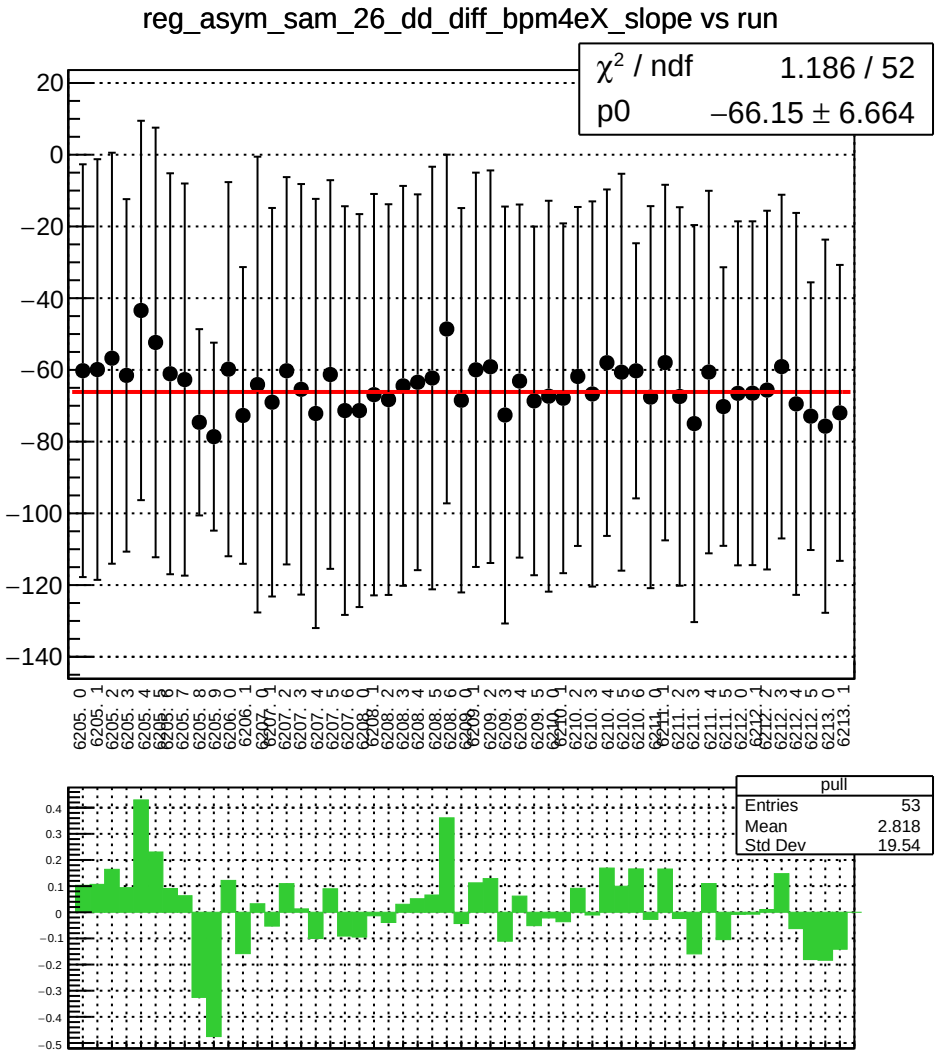

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 2.488 / 52
p0 −0.5747 ± 0.14
pull
Entries 53
Mean −813.7
Std Dev 841.4
pull1D
Entries 53
Mean −0.001631
Std Dev 0.2167

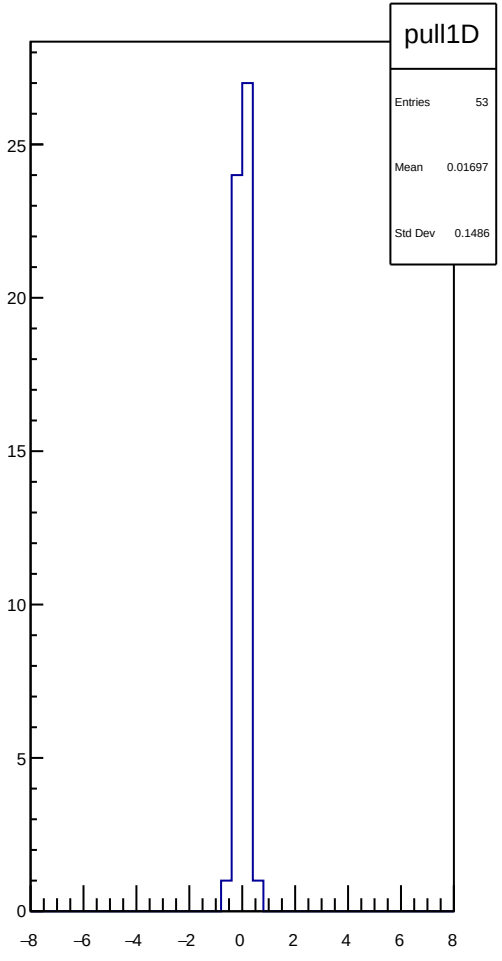

reg_asym_sam_26_dd_diff_bpm4aX_slope vs run
χ² / ndf 1.1 / 52
p0 −63.58 ± 6.052
pull
Entries 53
Mean −29.83
Std Dev 55.9

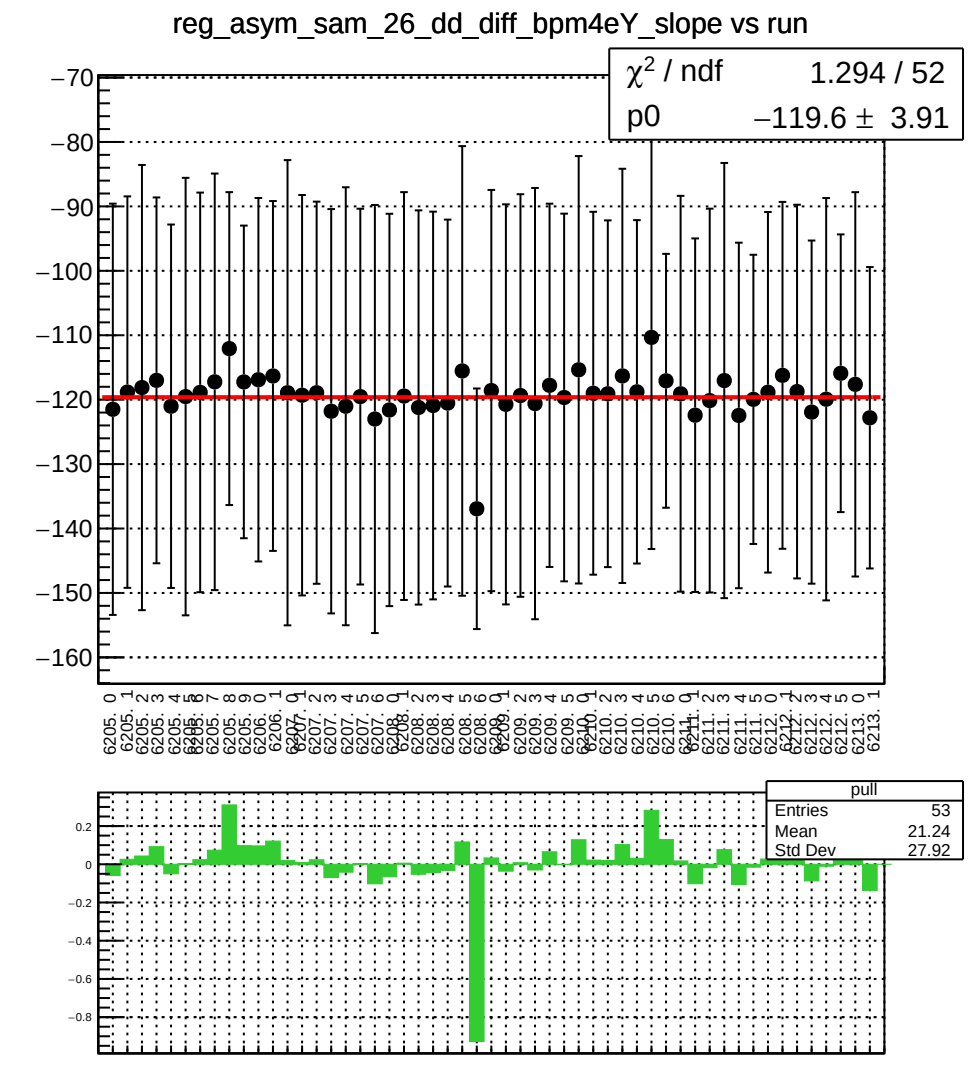

pull1D
Entries 53
Mean −0.0147
Std Dev 0.1433

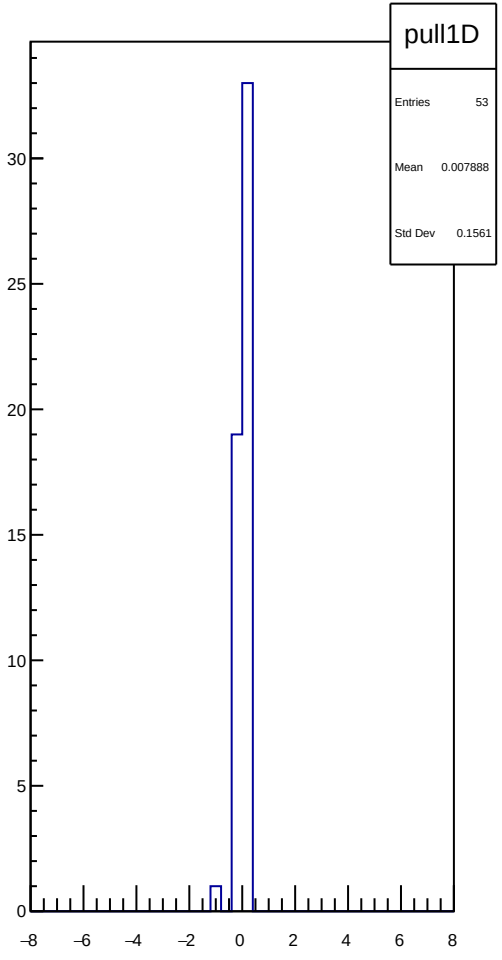

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.58 / 52
p0 −30.99 ± 3.519
pull
Entries 53
Mean 10.39
Std Dev 16.33

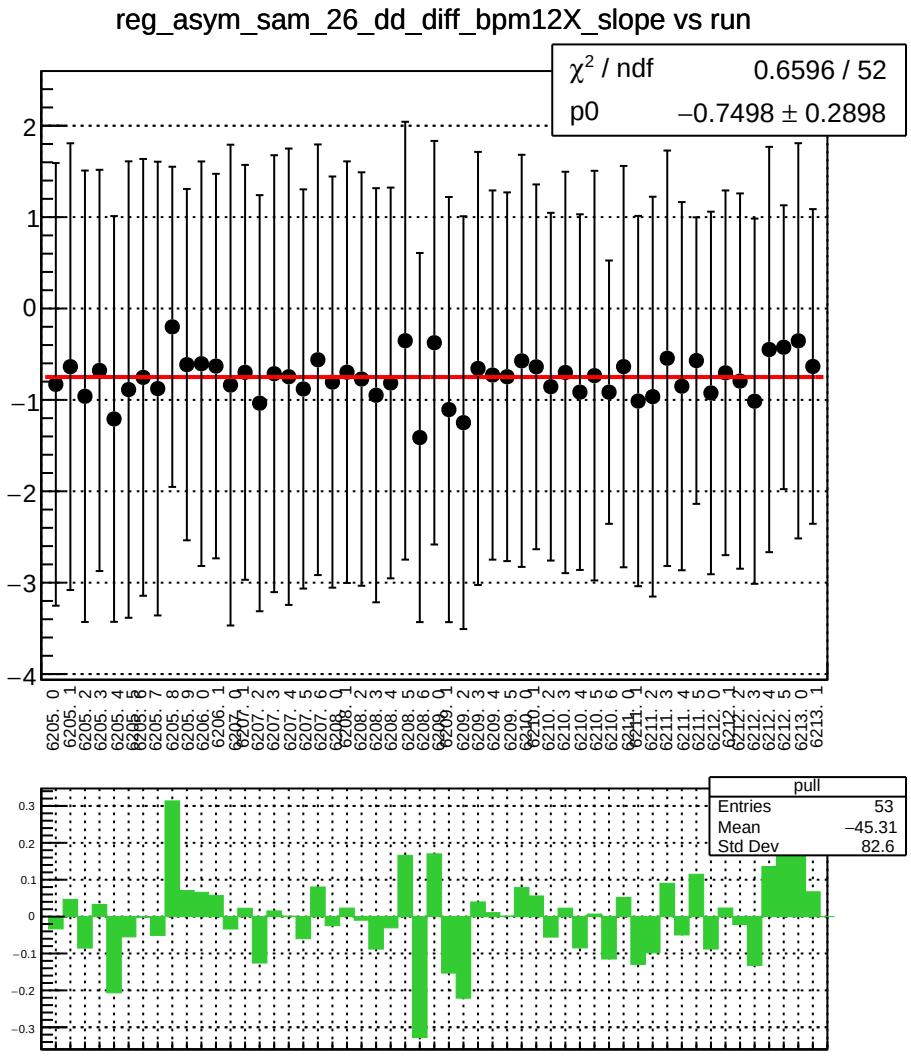

pull1D
Entries 53
Mean −0.01455
Std Dev 0.1721

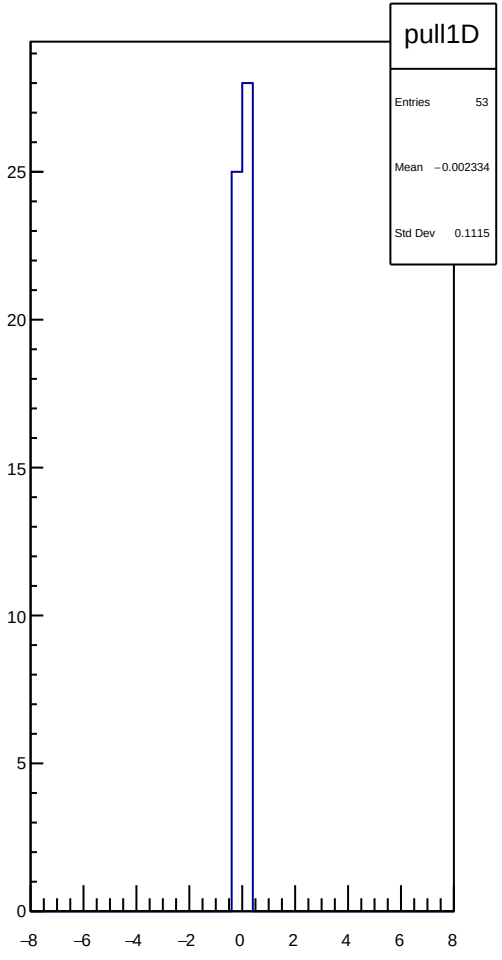

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.186 / 52
p0 −66.15 ± 6.664
pull
Entries 53
Mean 2.818
Std Dev 19.54

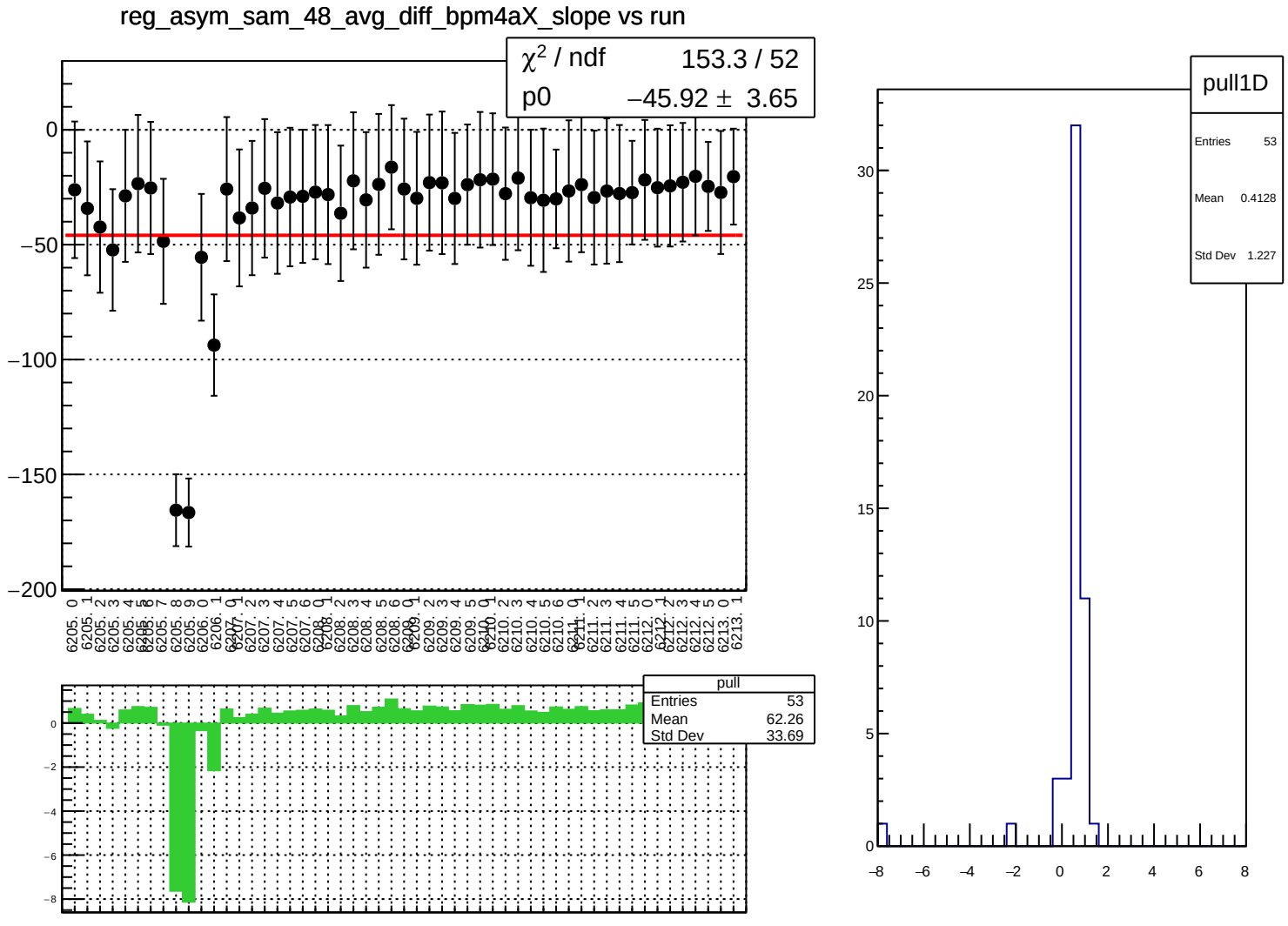

pull1D
Entries 53
Mean 0.01697
Std Dev 0.1486

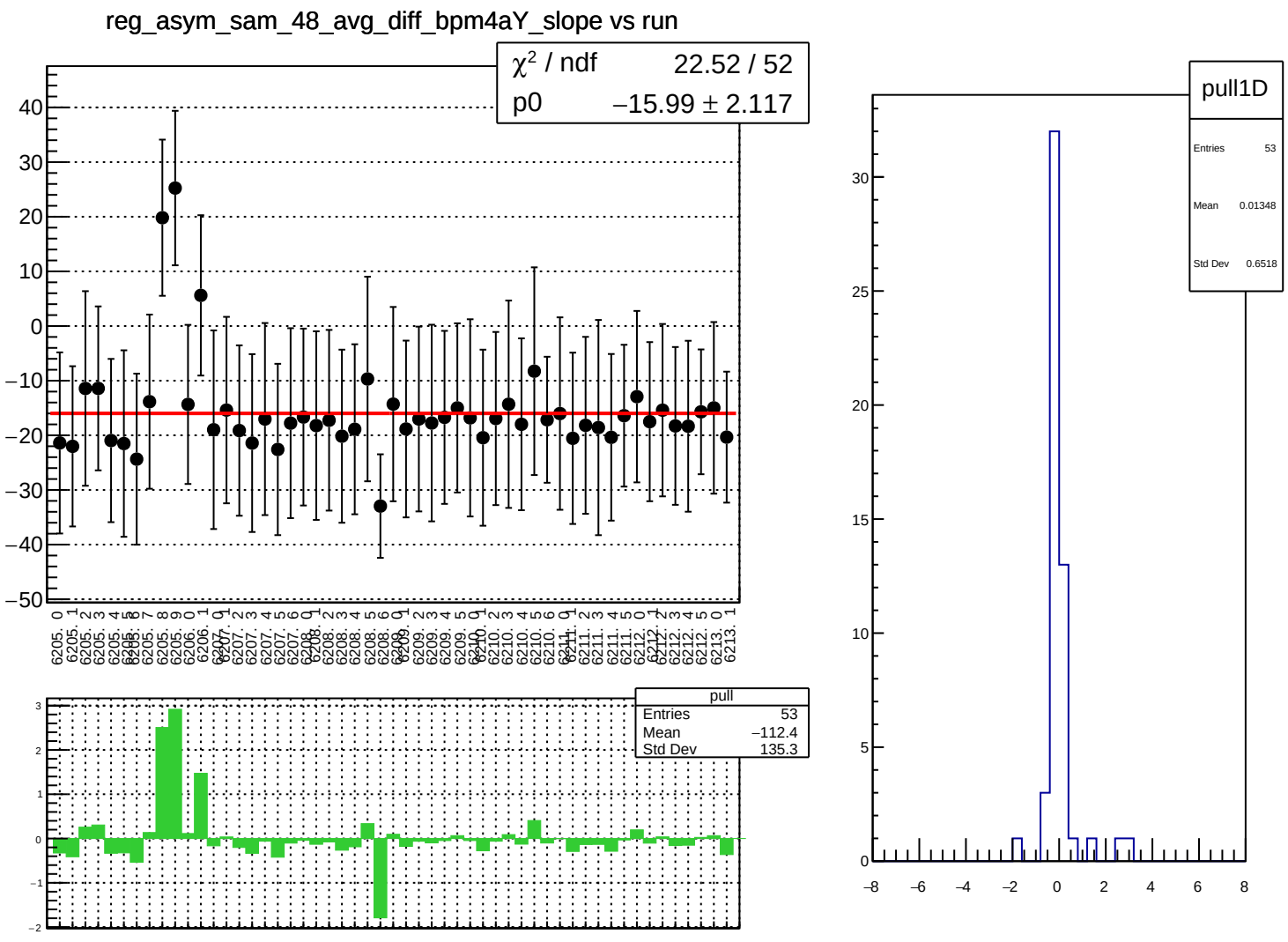

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.294 / 52
p0 −119.6 ± 3.91
pull
Entries 53
Mean 21.24
Std Dev 27.92

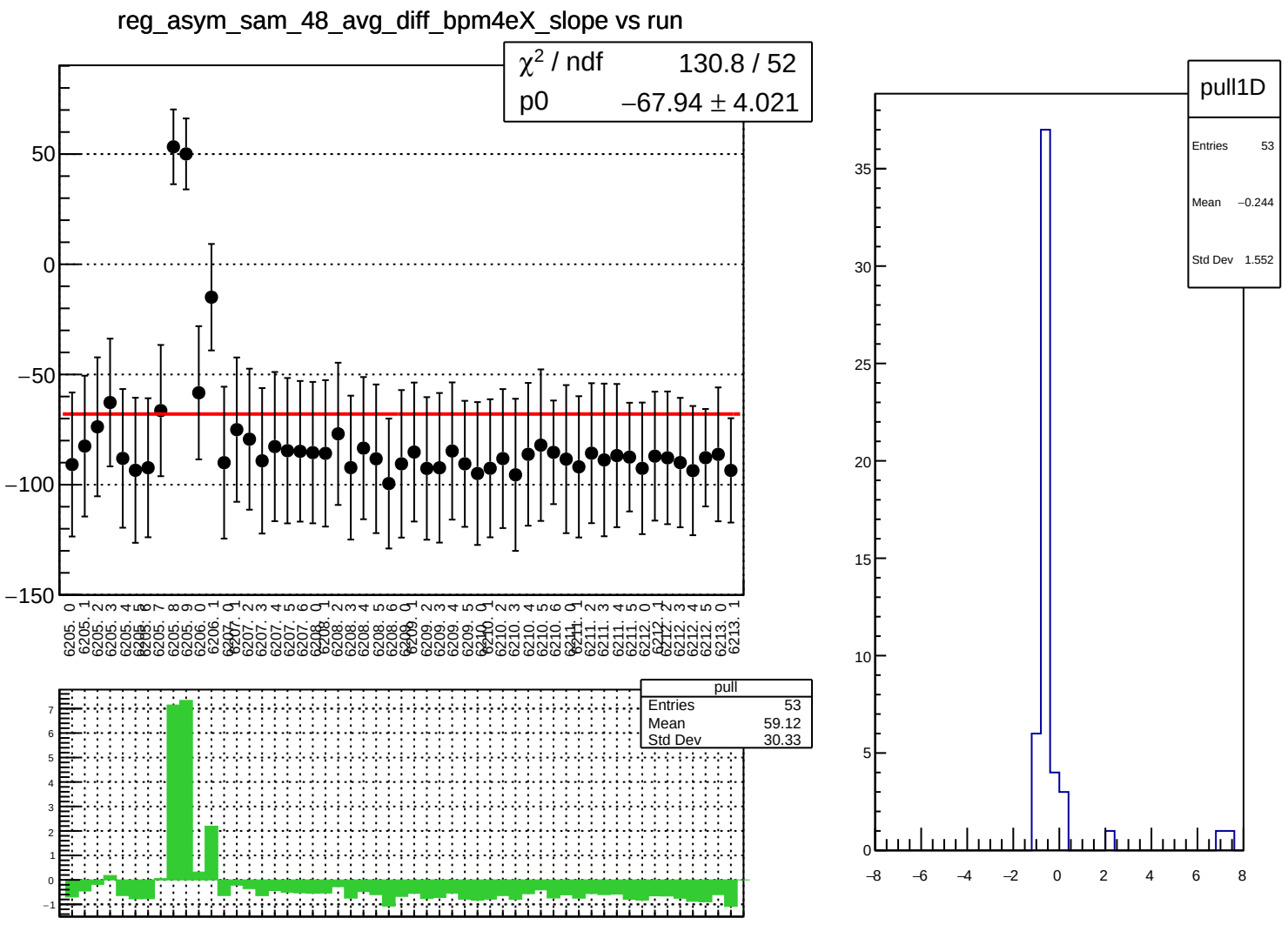

pull1D
Entries 53
Mean 0.007888
Std Dev 0.1561

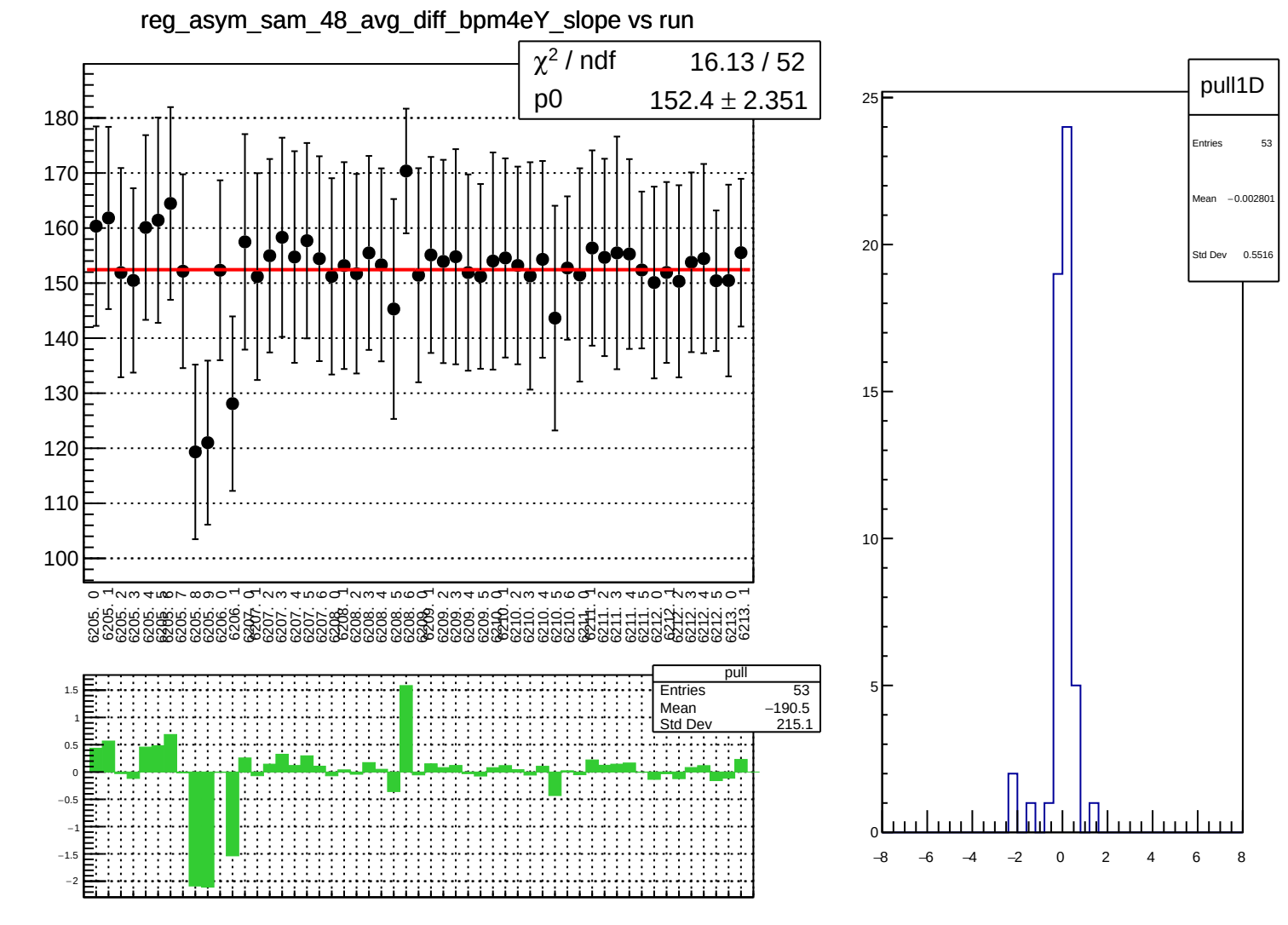

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 0.6596 / 52
p0 −0.7498 ± 0.2898
pull
Entries 53
Mean −45.31
Std Dev 82.6

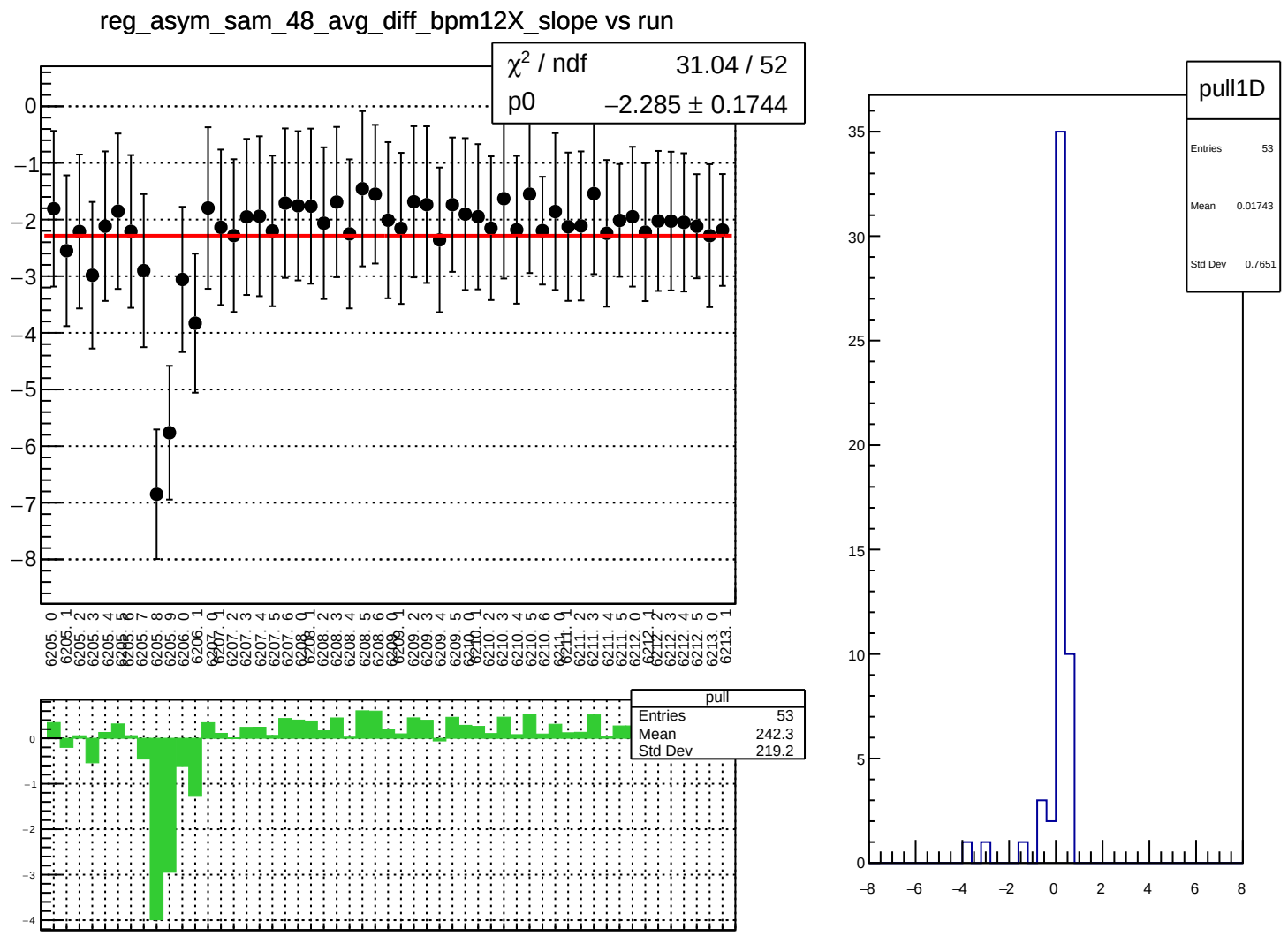

pull1D
Entries 53
Mean −0.002334
Std Dev 0.1115

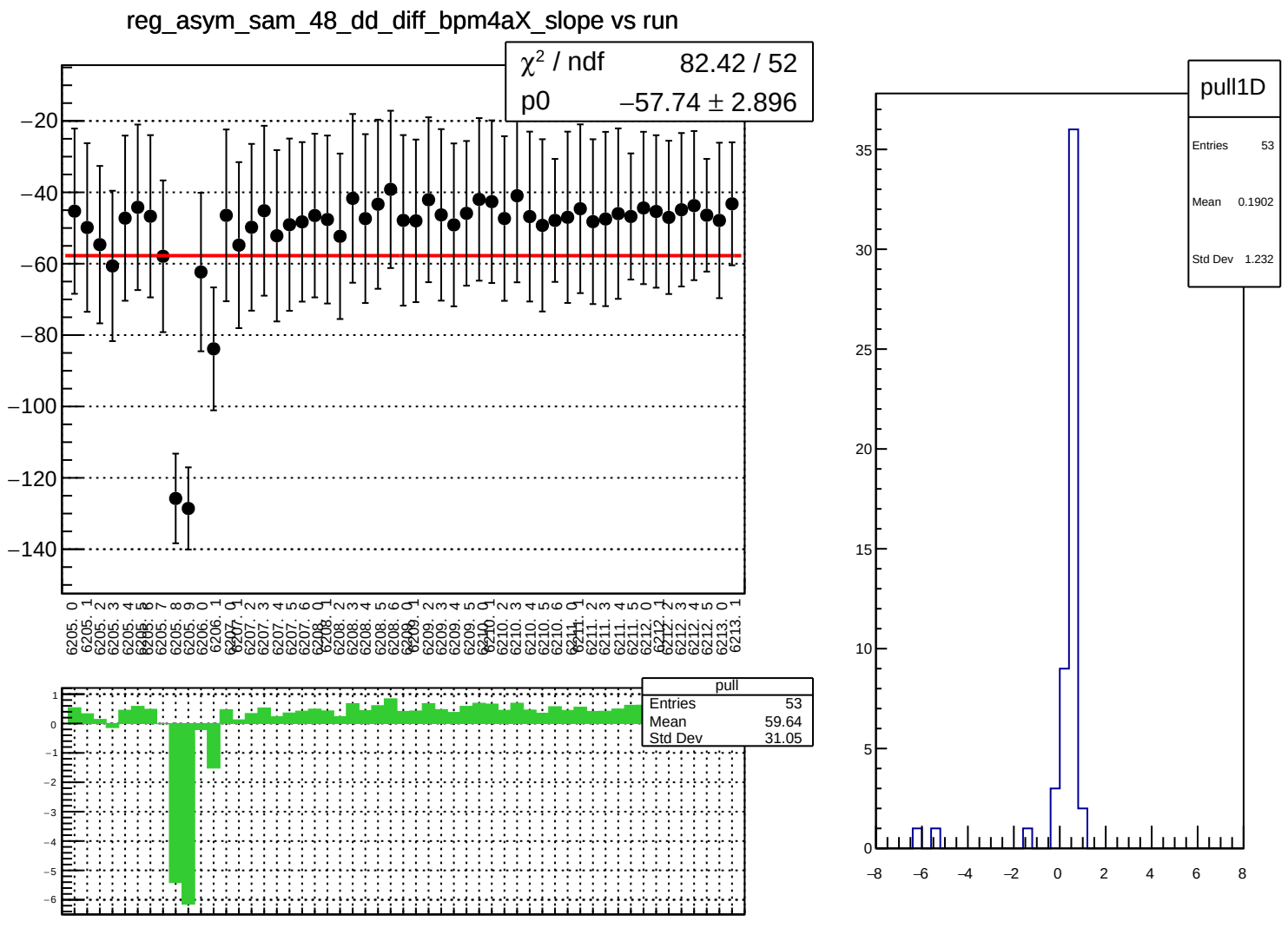

reg_asym_sam_48_avg_diff_bpm4aX_slope vs run
χ² / ndf 153.3 / 52
p0 −45.92 ± 3.65
pull
Entries 53
Mean 62.26
Std Dev 33.69
pull1D
Entries 53
Mean 0.4128
Std Dev 1.227

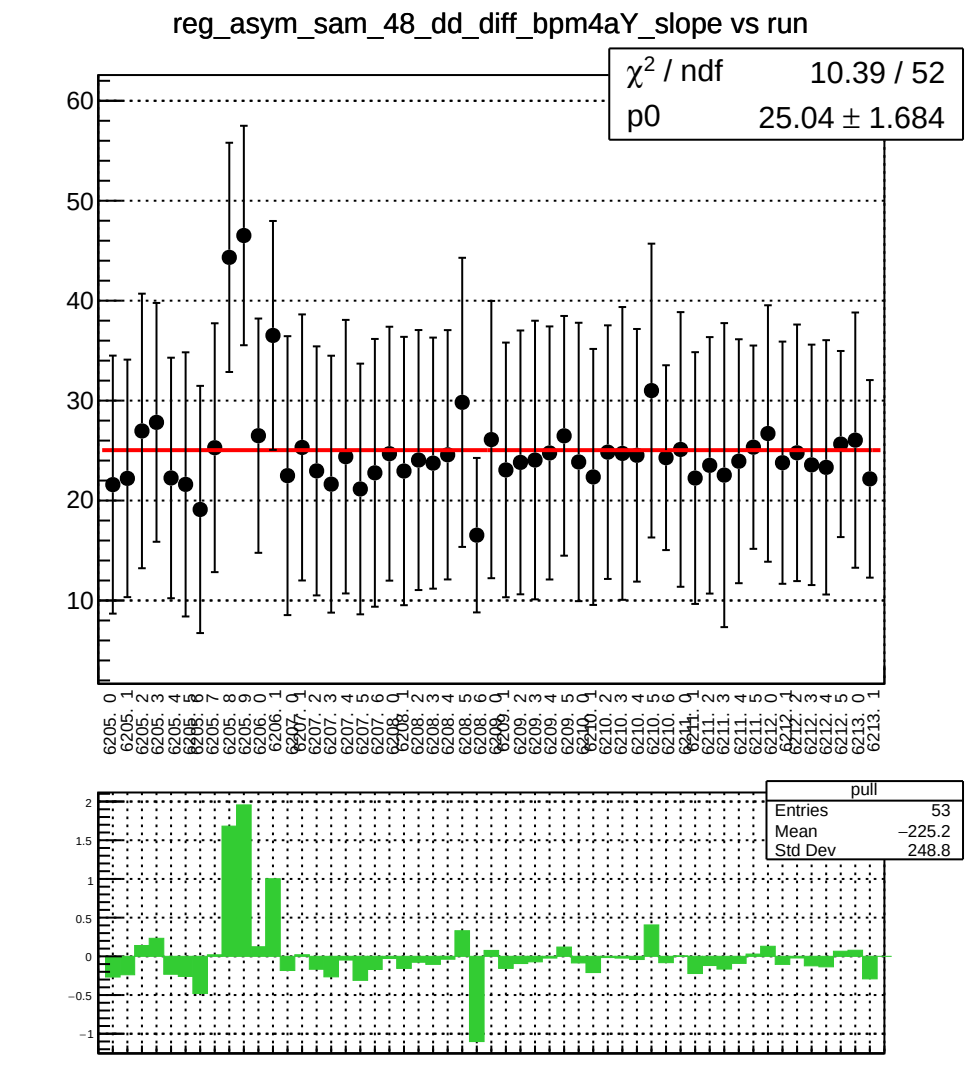

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 22.52 / 52
p0 −15.99 ± 2.117
pull
Entries 53
Mean −112.4
Std Dev 135.3
pull1D
Entries 53
Mean 0.01348
Std Dev 0.6518

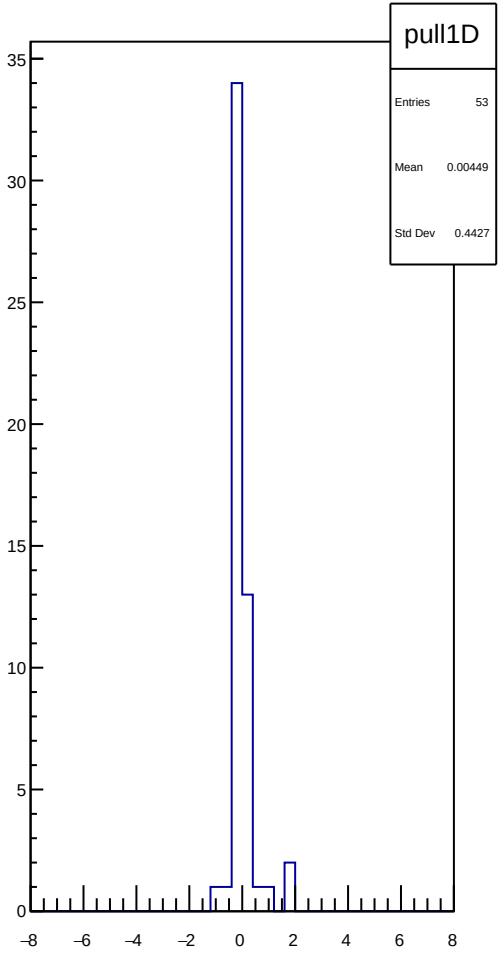

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 130.8 / 52
p0 −67.94 ± 4.021
pull
Entries 53
Mean 59.12
Std Dev 30.33
pull1D
Entries 53
Mean −0.244
Std Dev 1.552

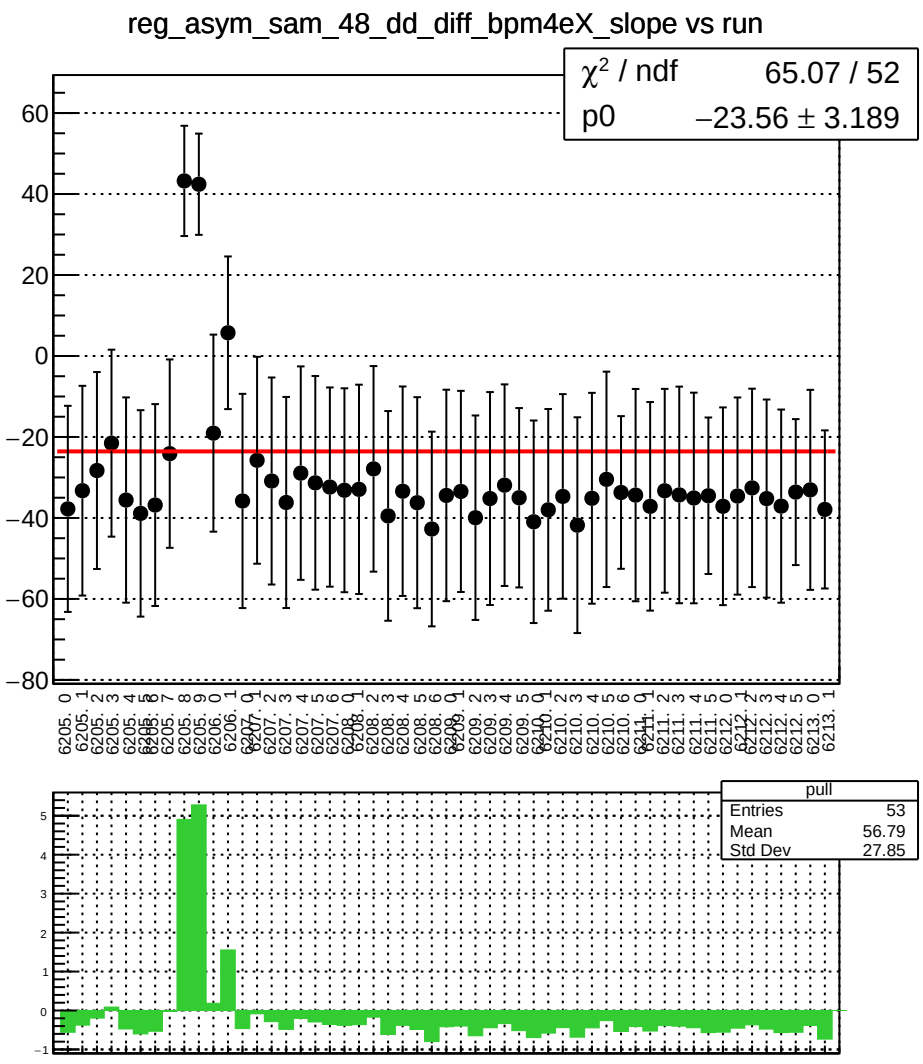

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 16.13 / 52
p0 152.4 ± 2.351
pull
Entries 53
Mean −190.5
Std Dev 215.1
pull1D
Entries 53
Mean −0.002801
Std Dev 0.5516

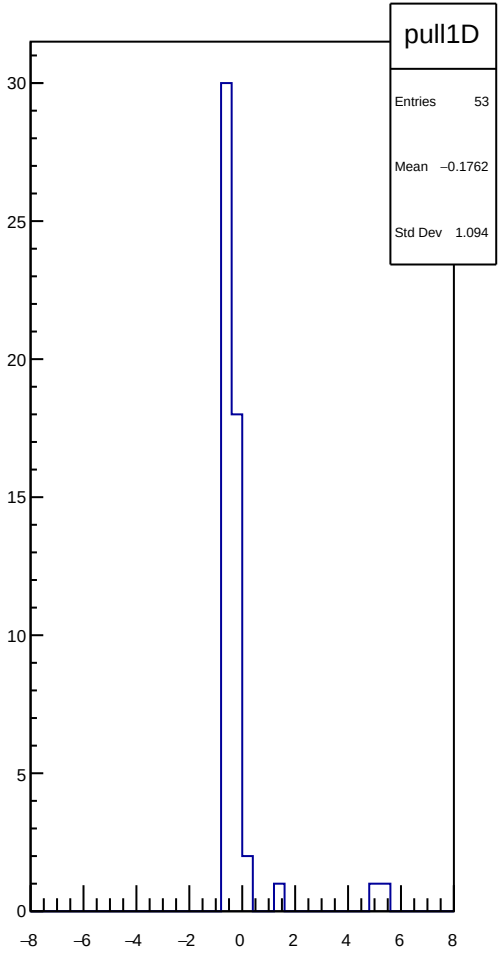

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 31.04 / 52
p0 −2.285 ± 0.1744
pull
Entries 53
Mean 242.3
Std Dev 219.2
pull1D
Entries 53
Mean 0.01743
Std Dev 0.7651

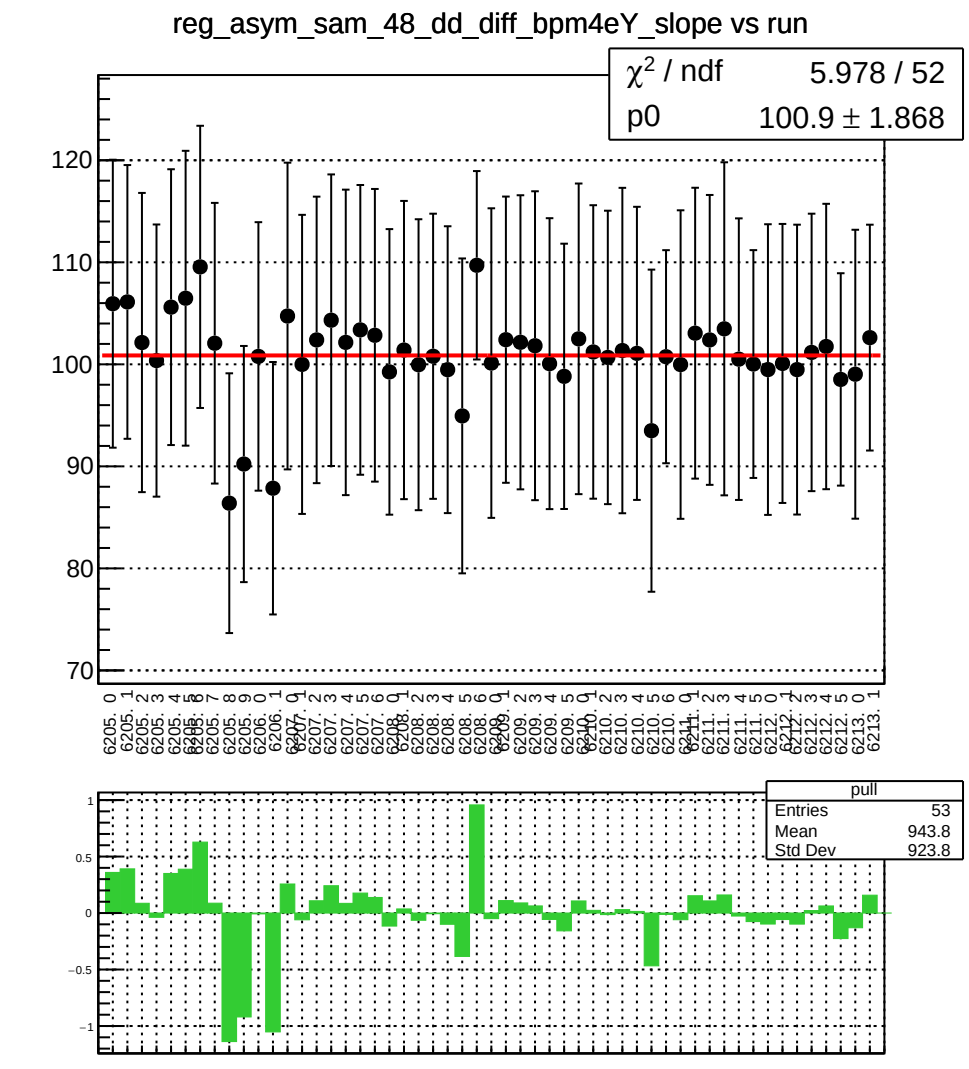

reg_asym_sam_48_dd_diff_bpm4aX_slope vs run
χ² / ndf 82.42 / 52
p0 −57.74 ± 2.896
pull
Entries 53
Mean 59.64
Std Dev 31.05
pull1D
Entries 53
Mean 0.1902
Std Dev 1.232

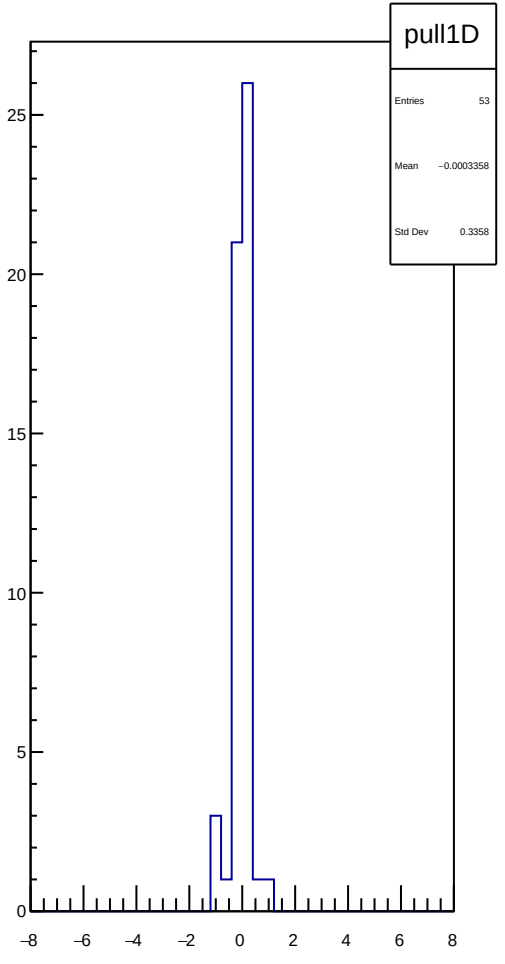

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.39 / 52
p0 25.04 ± 1.684
pull
Entries 53
Mean −225.2
Std Dev 248.8

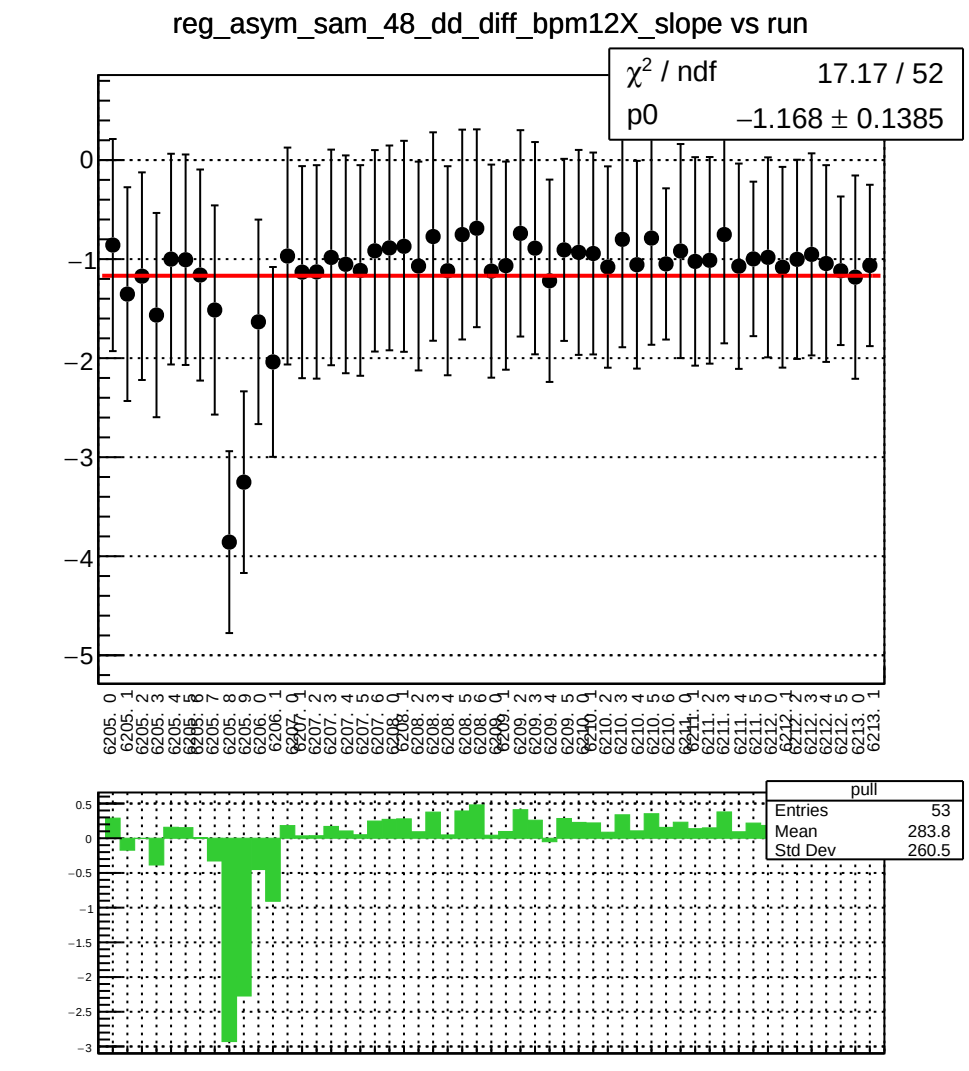

pull1D
Entries 53
Mean 0.00449
Std Dev 0.4427

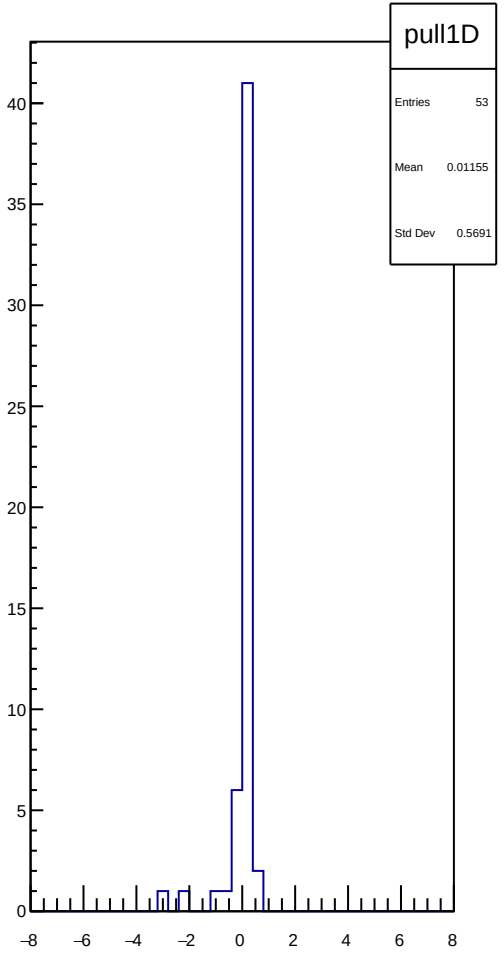

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 65.07 / 52
p0 −23.56 ± 3.189
pull
Entries 53
Mean 56.79
Std Dev 27.85

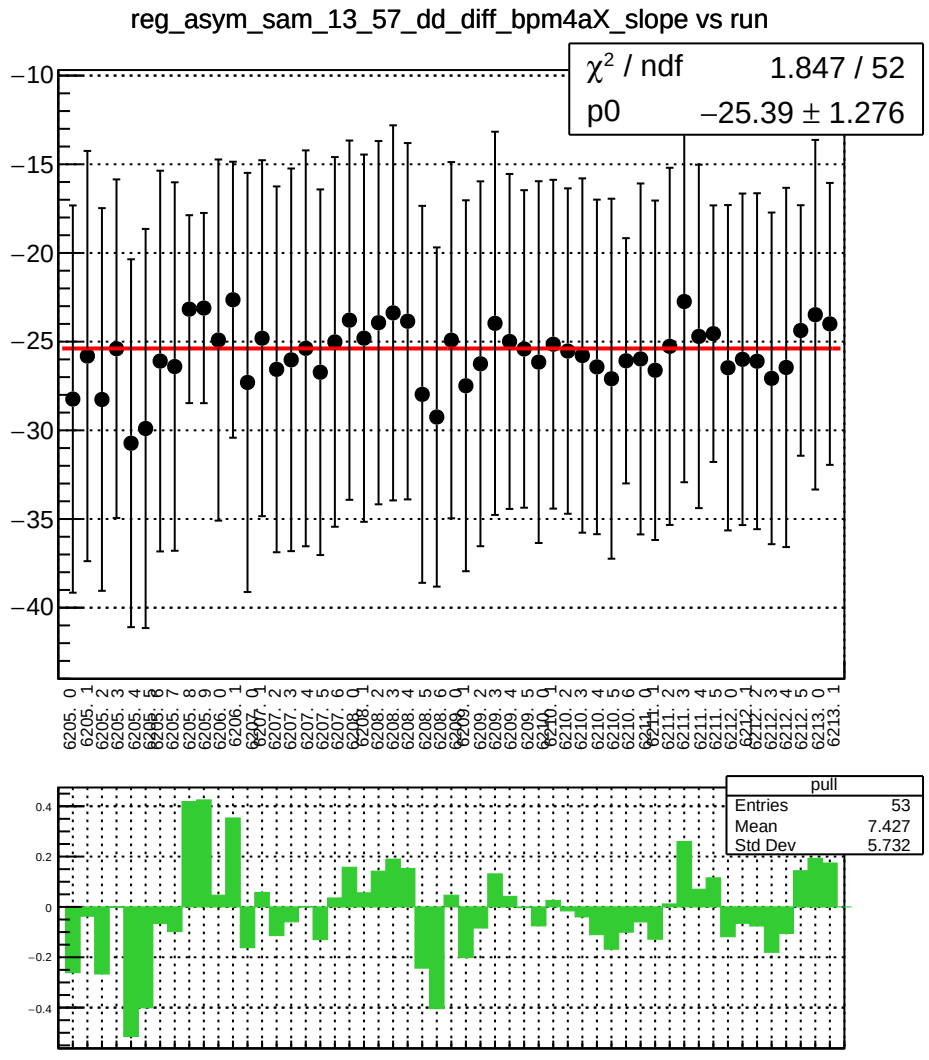

pull1D
Entries 53
Mean −0.1762
Std Dev 1.094

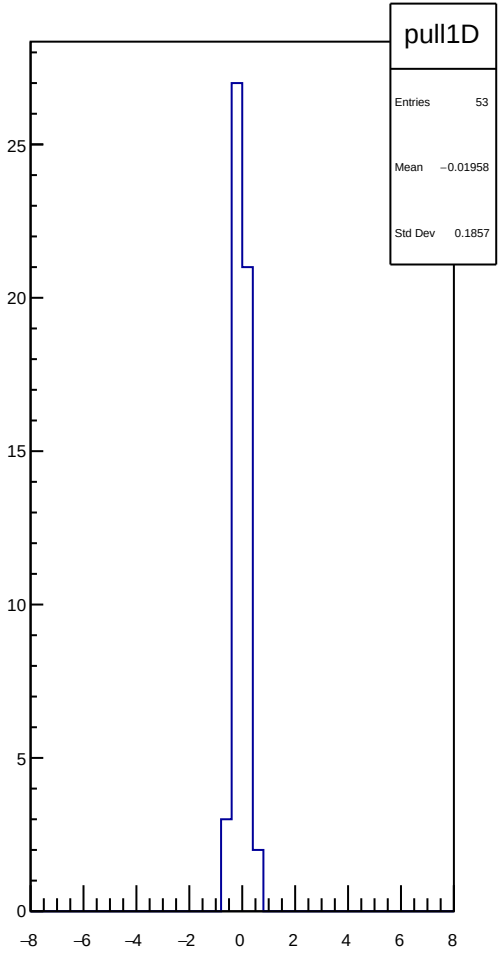

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.978 / 52
p0 100.9 ± 1.868
pull
Entries 53
Mean 943.8
Std Dev 923.8

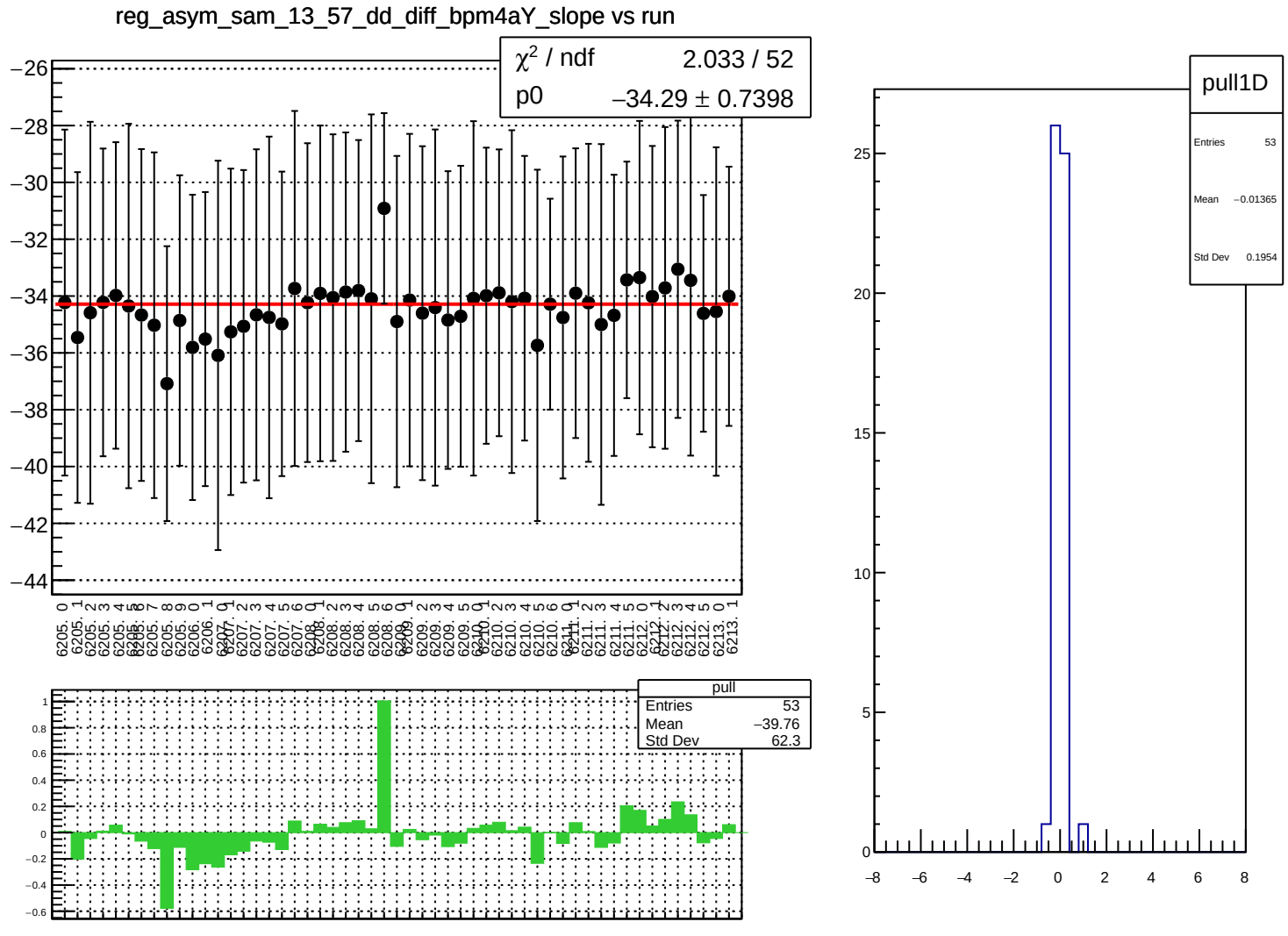

pull1D
Entries 53
Mean −0.0003358
Std Dev 0.3358

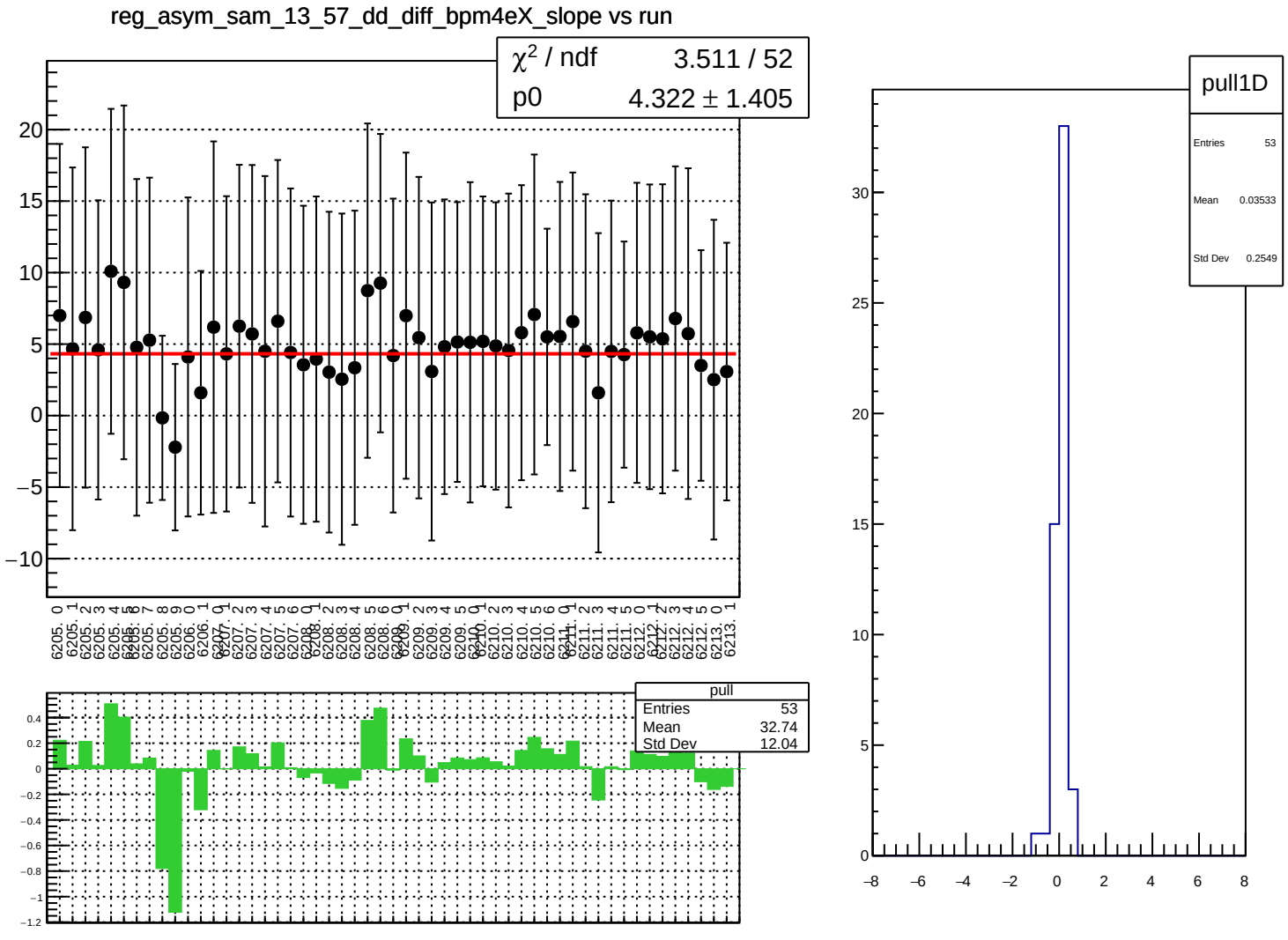

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 17.17 / 52
p0 −1.168 ± 0.1385
pull
Entries 53
Mean 283.8
Std Dev 260.5

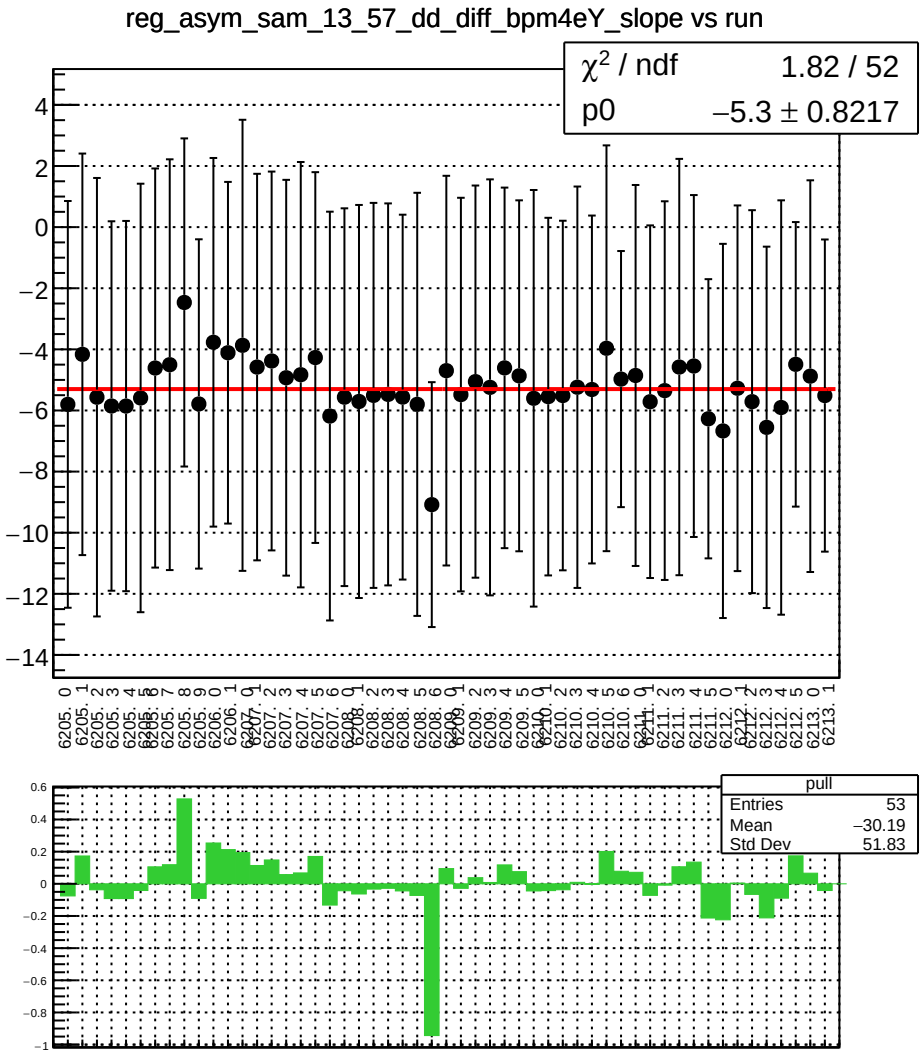

pull1D
Entries 53
Mean 0.01155
Std Dev 0.5691

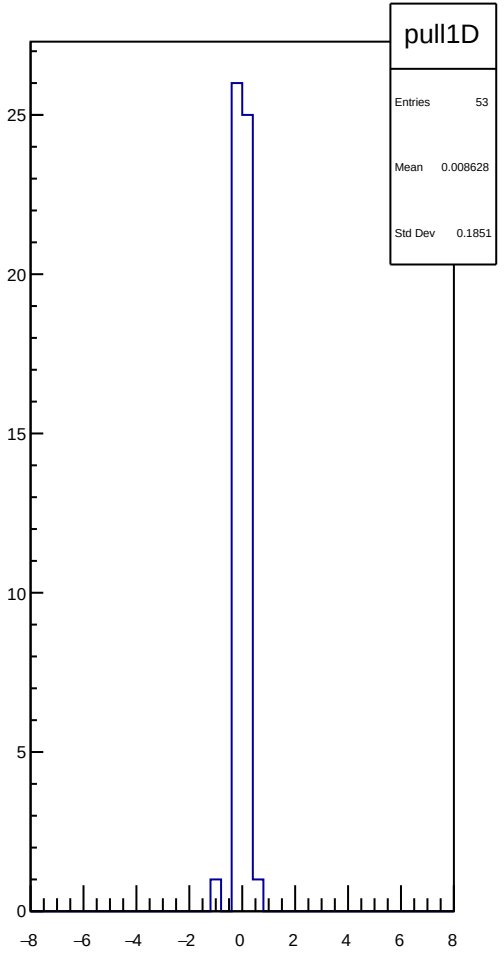

reg_asym_sam_13_57_dd_diff_bpm4aX_slope vs run
χ² / ndf 1.847 / 52
p0 −25.39 ± 1.276
pull
Entries 53
Mean 7.427
Std Dev 5.732

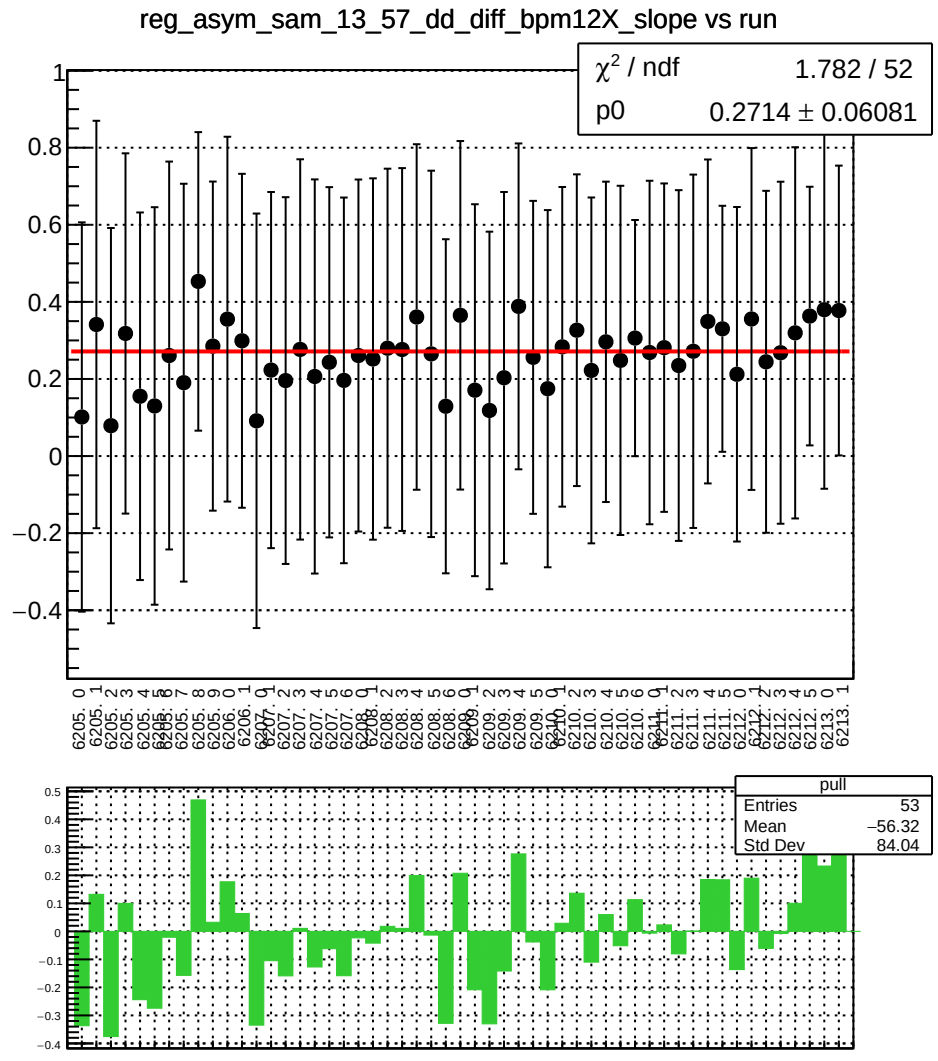

pull1D
Entries 53
Mean −0.01958
Std Dev 0.1857

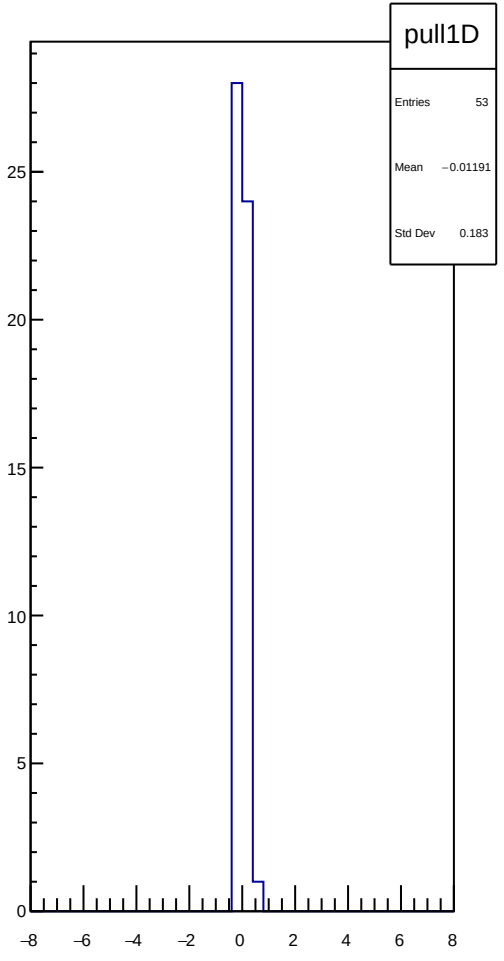

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.033 / 52
p0 −34.29 ± 0.7398
pull
Entries 53
Mean −39.76
Std Dev 62.3
pull1D
Entries 53
Mean −0.01365
Std Dev 0.1954

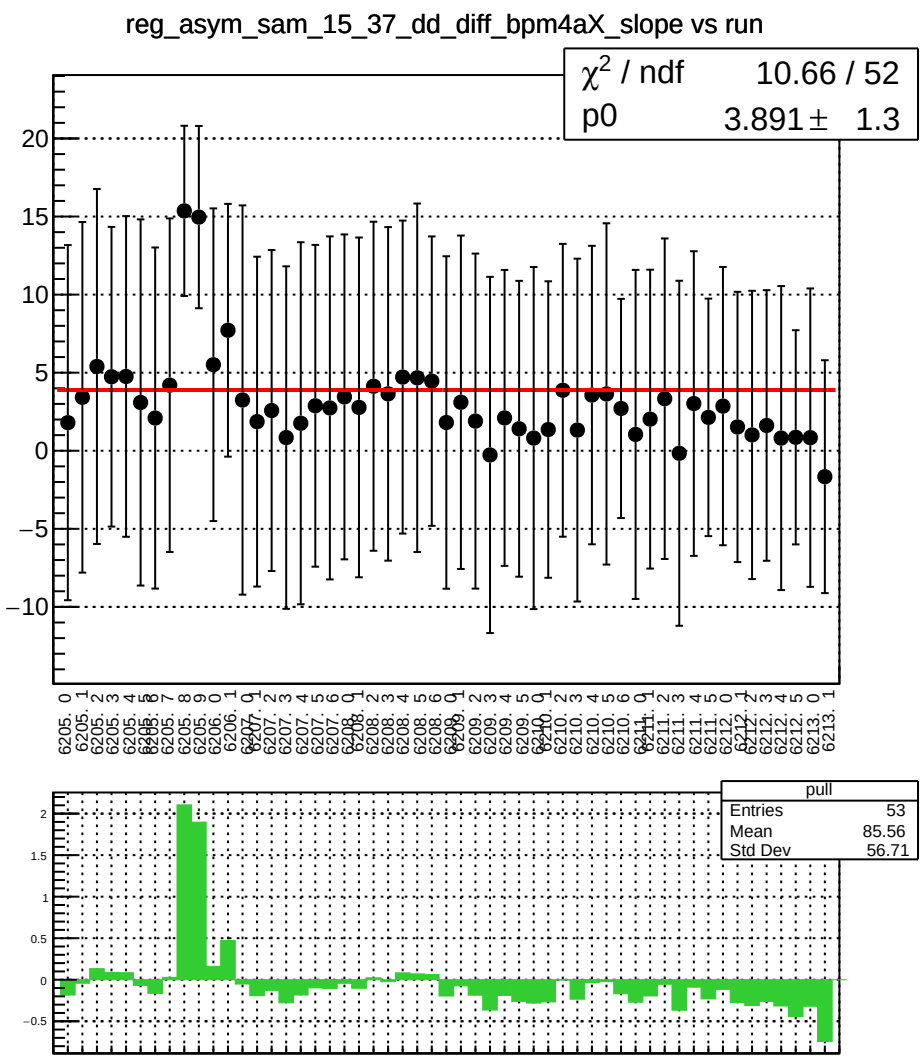

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.511 / 52
p0 4.322 ± 1.405
pull
Entries 53
Mean 32.74
Std Dev 12.04
pull1D
Entries 53
Mean 0.03533
Std Dev 0.2549

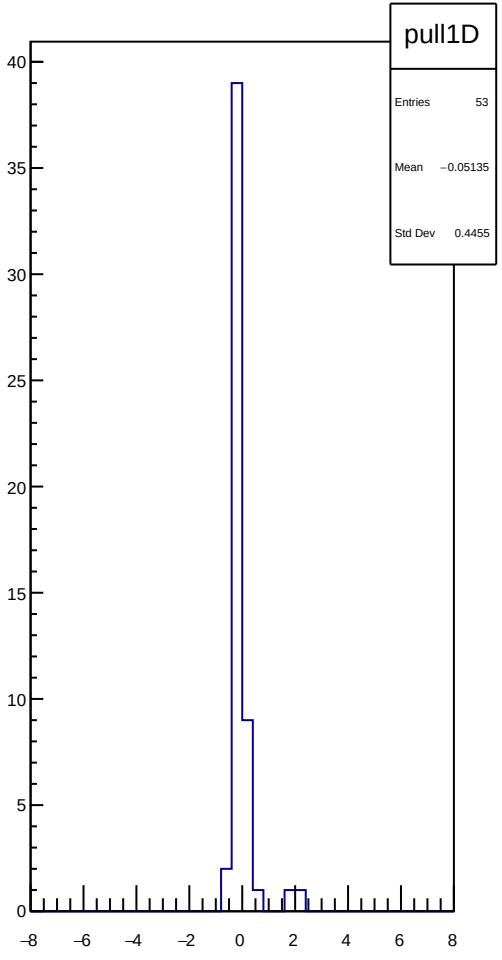

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.82 / 52
p0 −5.3 ± 0.8217
pull
Entries 53
Mean −30.19
Std Dev 51.83

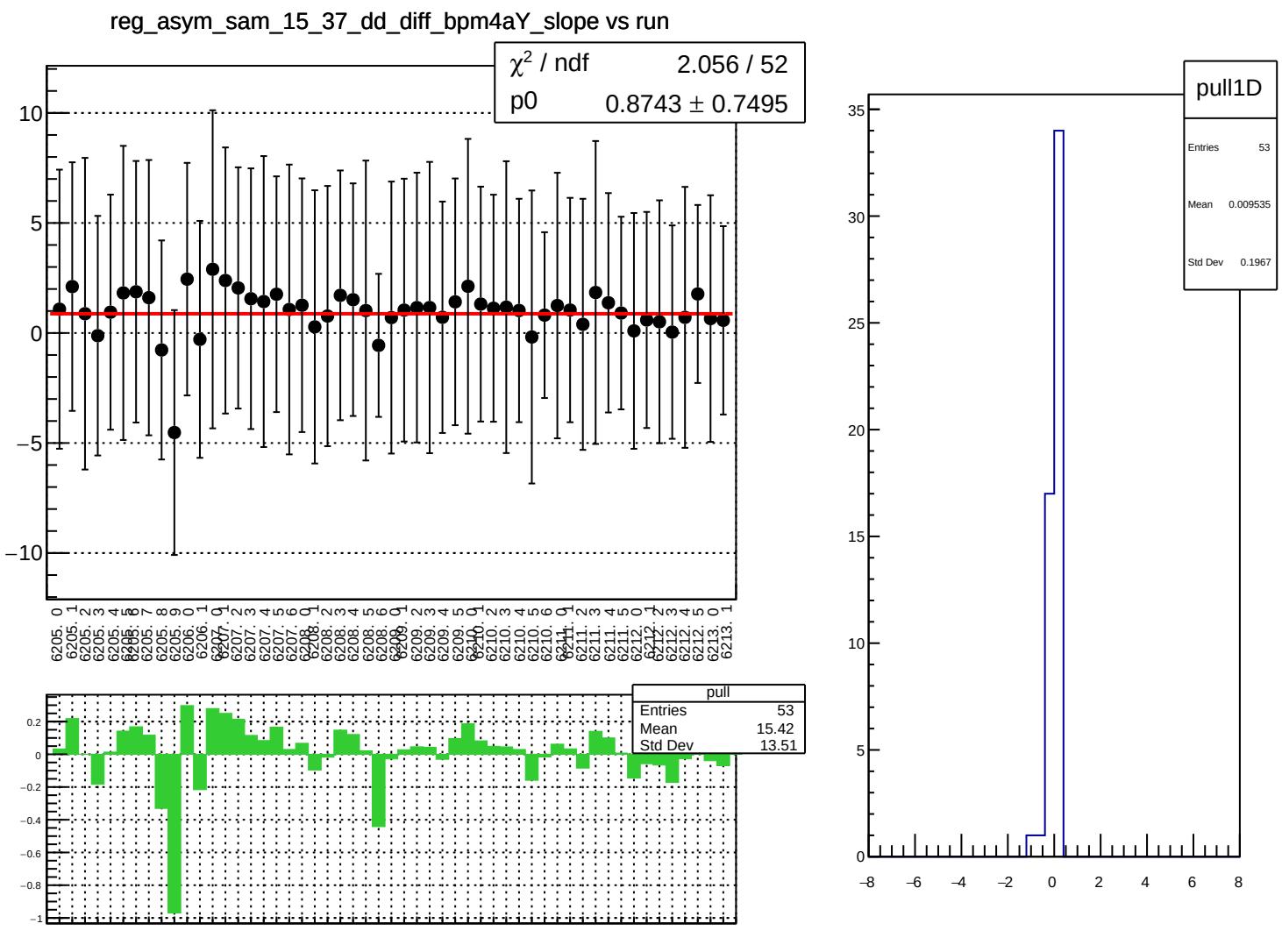

pull1D
Entries 53
Mean 0.008628
Std Dev 0.1851

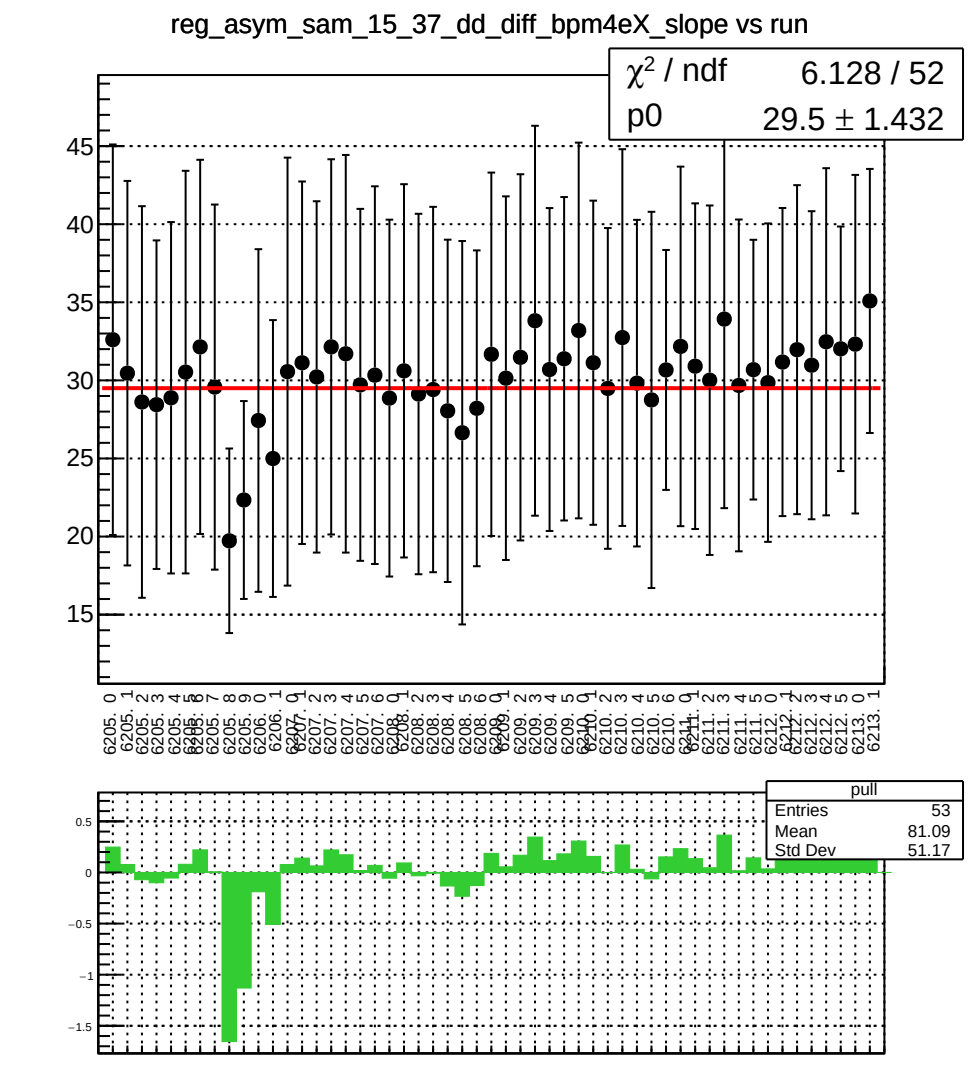

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 1.782 / 52
p0 0.2714 ± 0.06081
pull
Entries 53
Mean −56.32
Std Dev 84.04

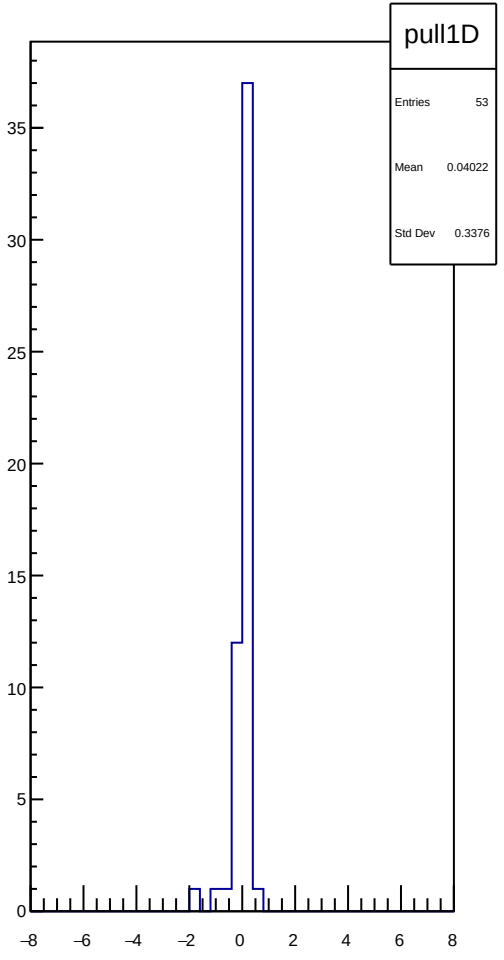

pull1D
Entries 53
Mean −0.01191
Std Dev 0.183

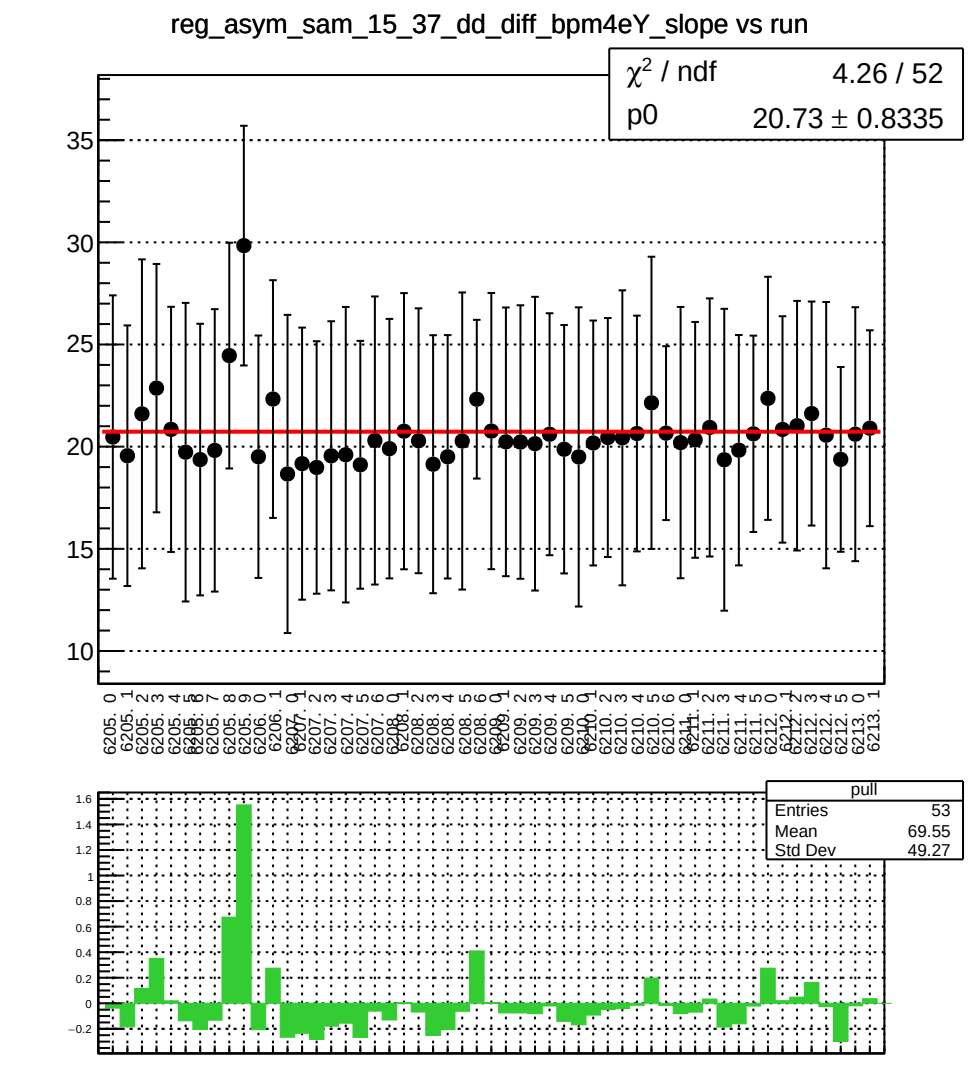

reg_asym_sam_15_37_dd_diff_bpm4aX_slope vs run
χ² / ndf 10.66 / 52
p0 3.891 ± 1.3
pull
Entries 53
Mean 85.56
Std Dev 56.71

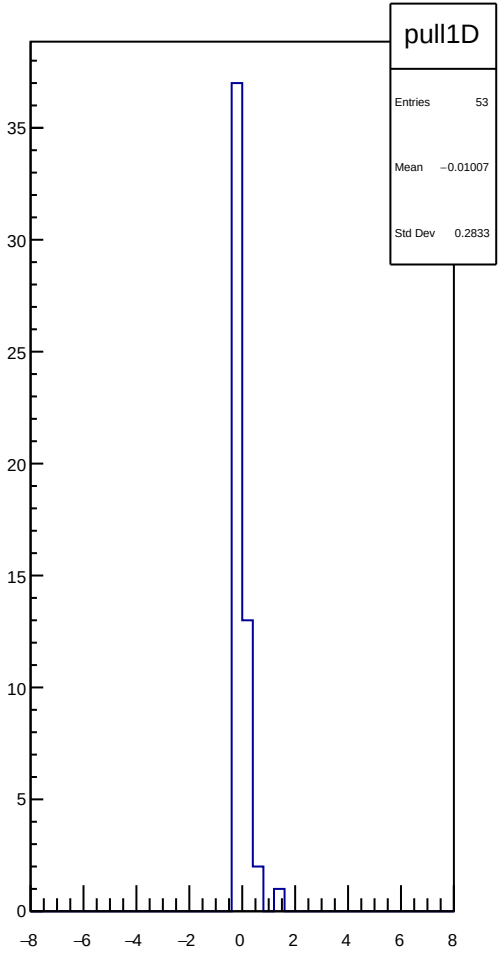

pull1D
Entries 53
Mean −0.05135
Std Dev 0.4455

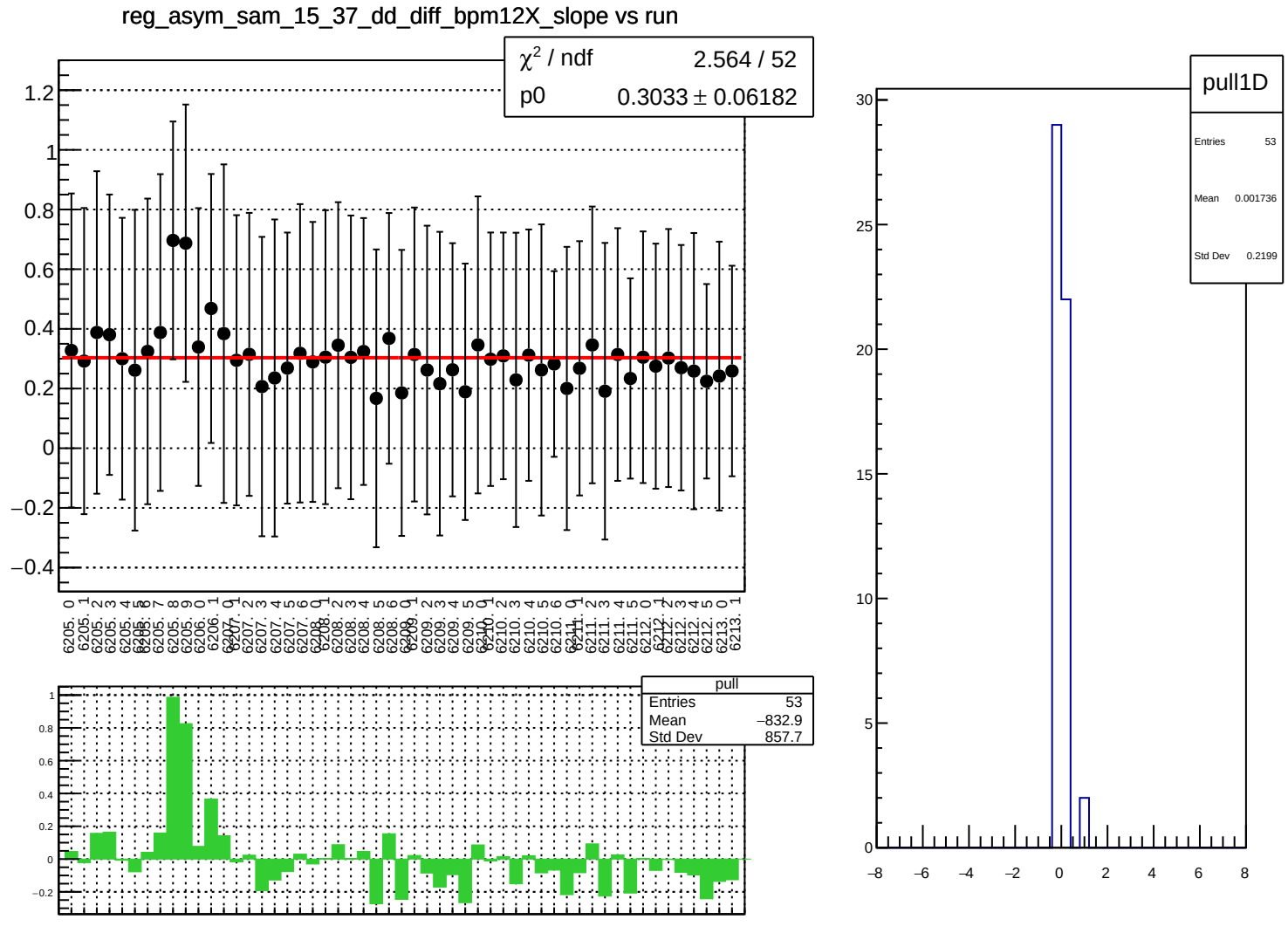

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.056 / 52
p0 0.8743 ± 0.7495
pull
Entries 53
Mean 15.42
Std Dev 13.51
pull1D
Entries 53
Mean 0.009535
Std Dev 0.1967

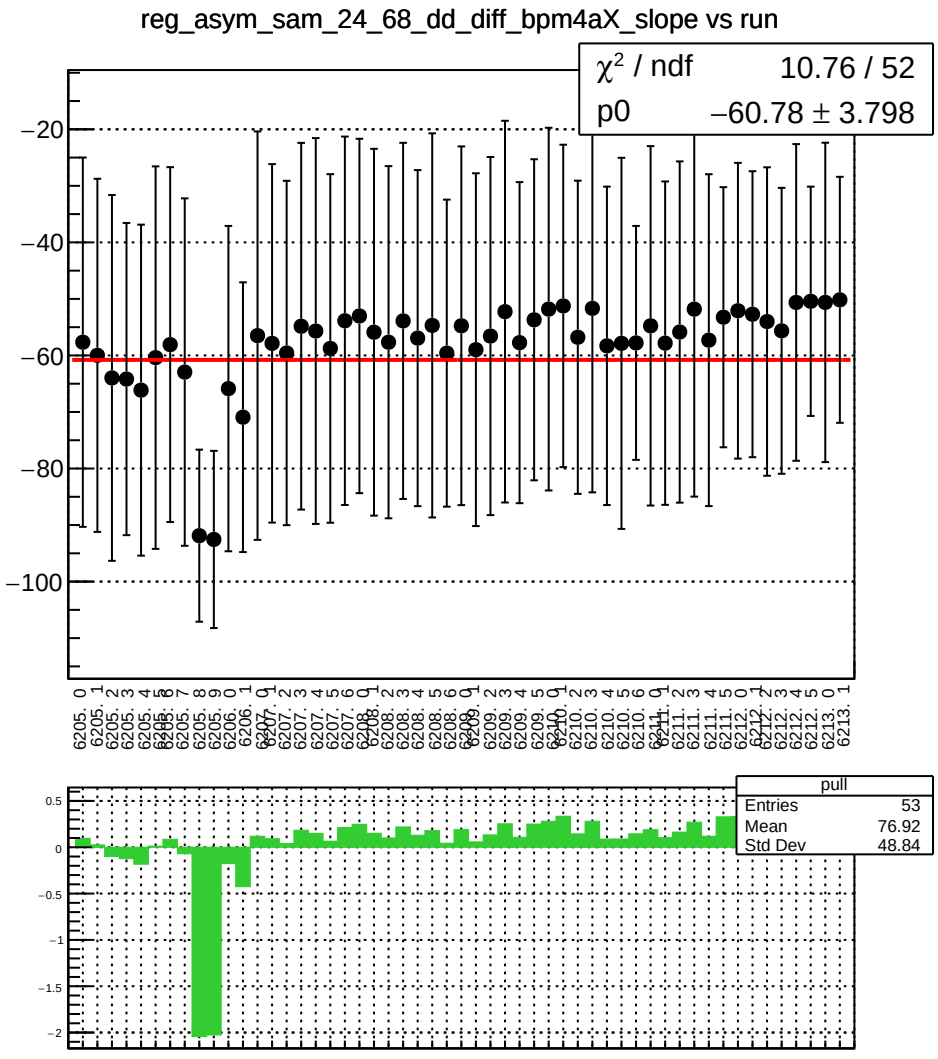

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.128 / 52
p0 29.5 ± 1.432
pull
Entries 53
Mean 81.09
Std Dev 51.17

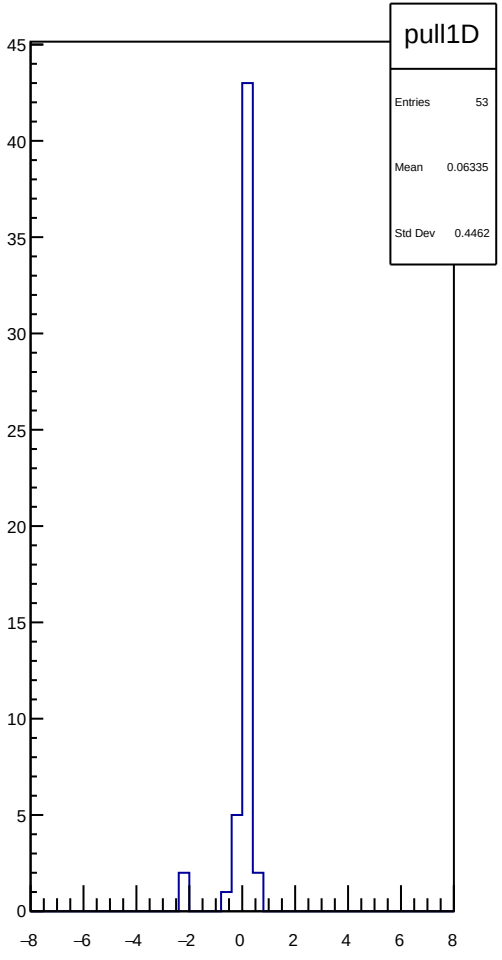

pull1D
Entries 53
Mean 0.04022
Std Dev 0.3376

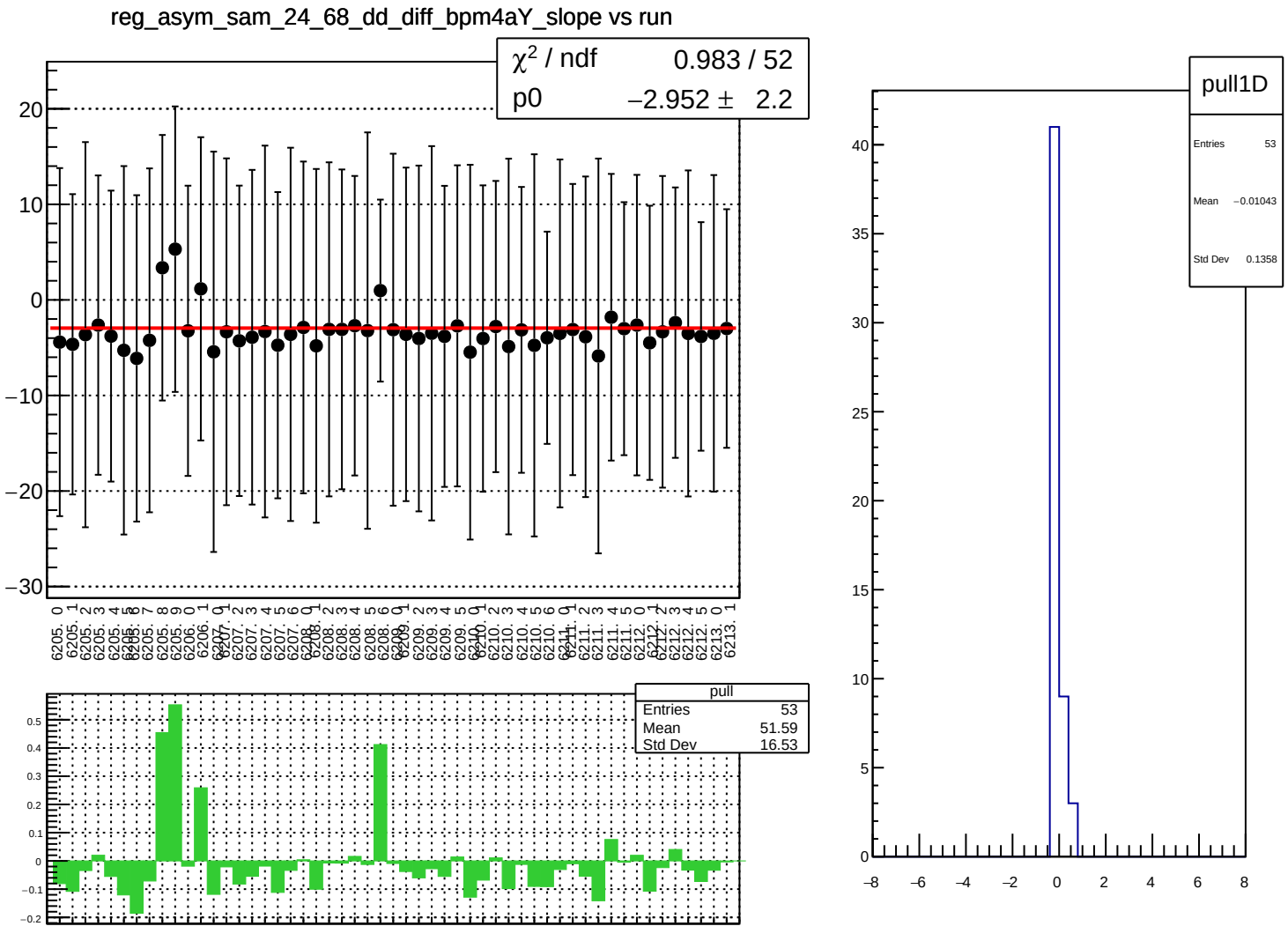

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.26 / 52
p0 20.73 ± 0.8335
pull
Entries 53
Mean 69.55
Std Dev 49.27

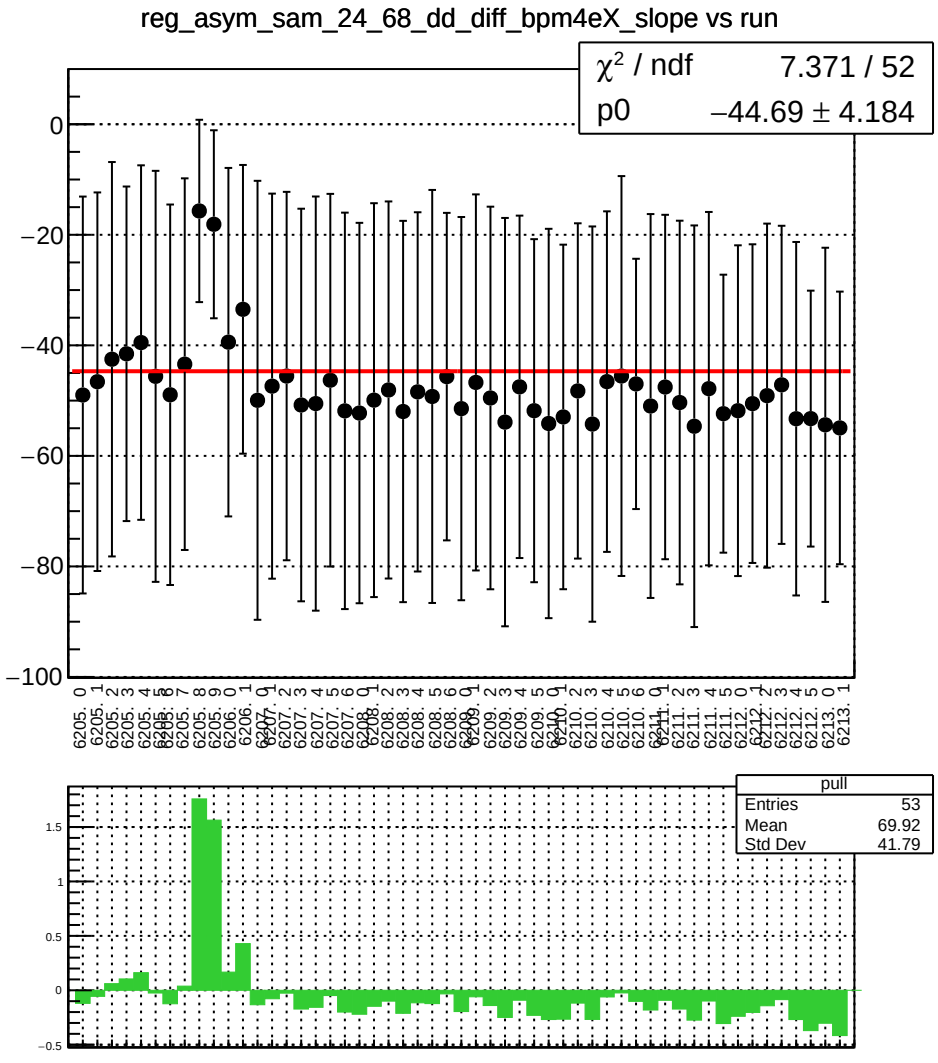

pull1D
Entries 53
Mean −0.01007
Std Dev 0.2833

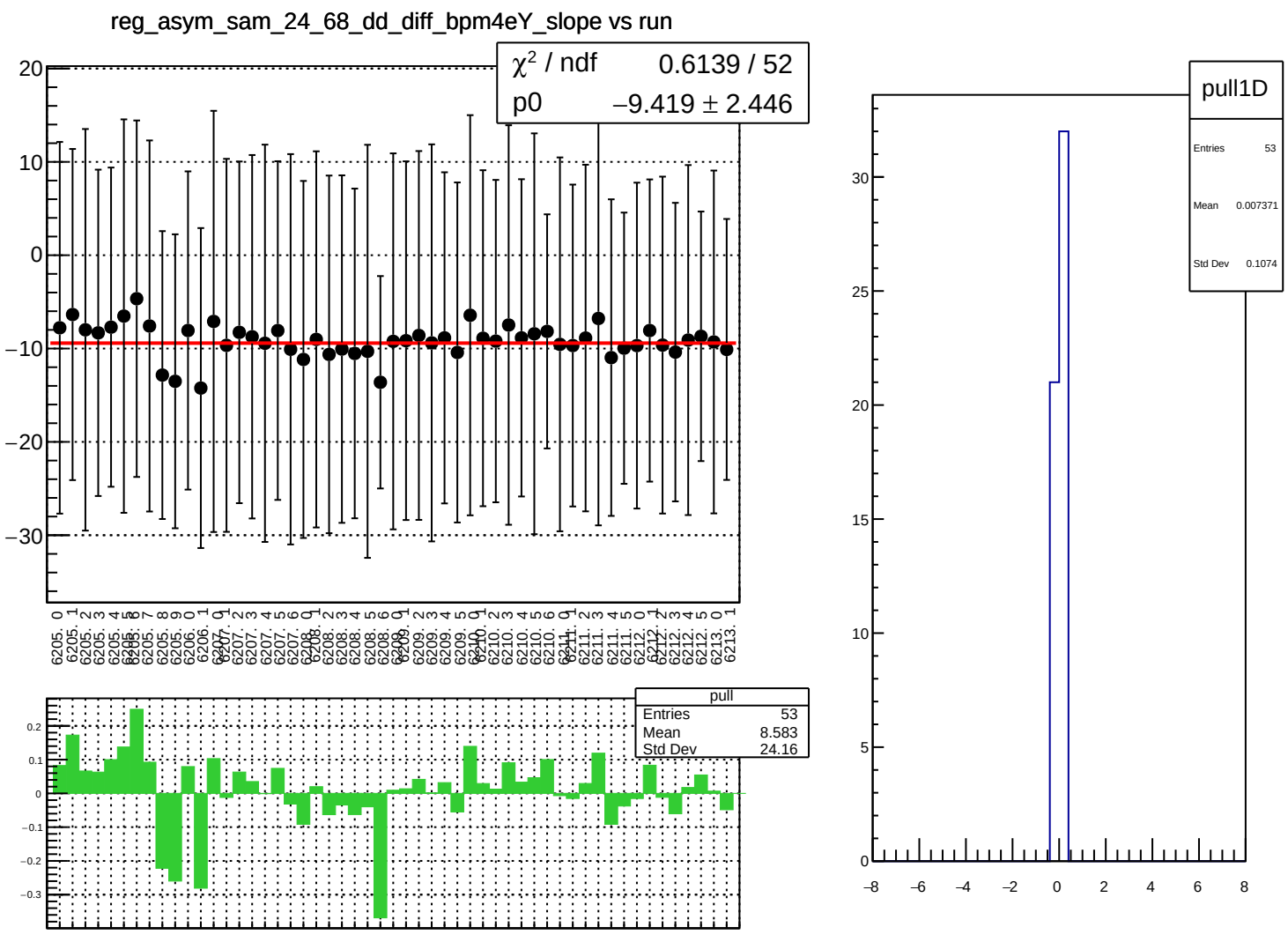

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 2.564 / 52
p0 0.3033 ± 0.06182
pull
Entries 53
Mean −832.9
Std Dev 857.7
pull1D
Entries 53
Mean 0.001736
Std Dev 0.2199

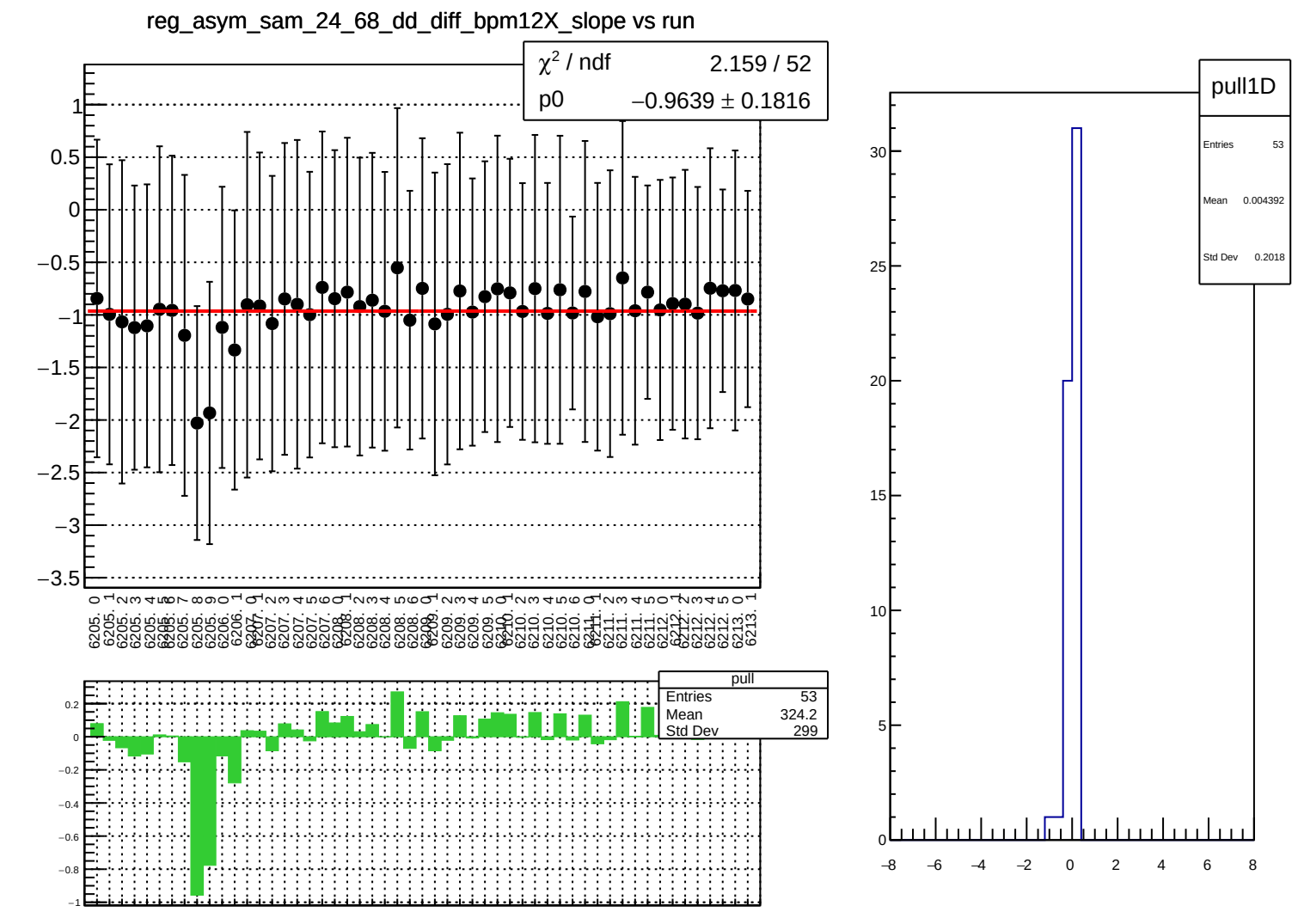

reg_asym_sam_24_68_dd_diff_bpm4aX_slope vs run
χ² / ndf 10.76 / 52
p0 −60.78 ± 3.798
pull
Entries 53
Mean 76.92
Std Dev 48.84

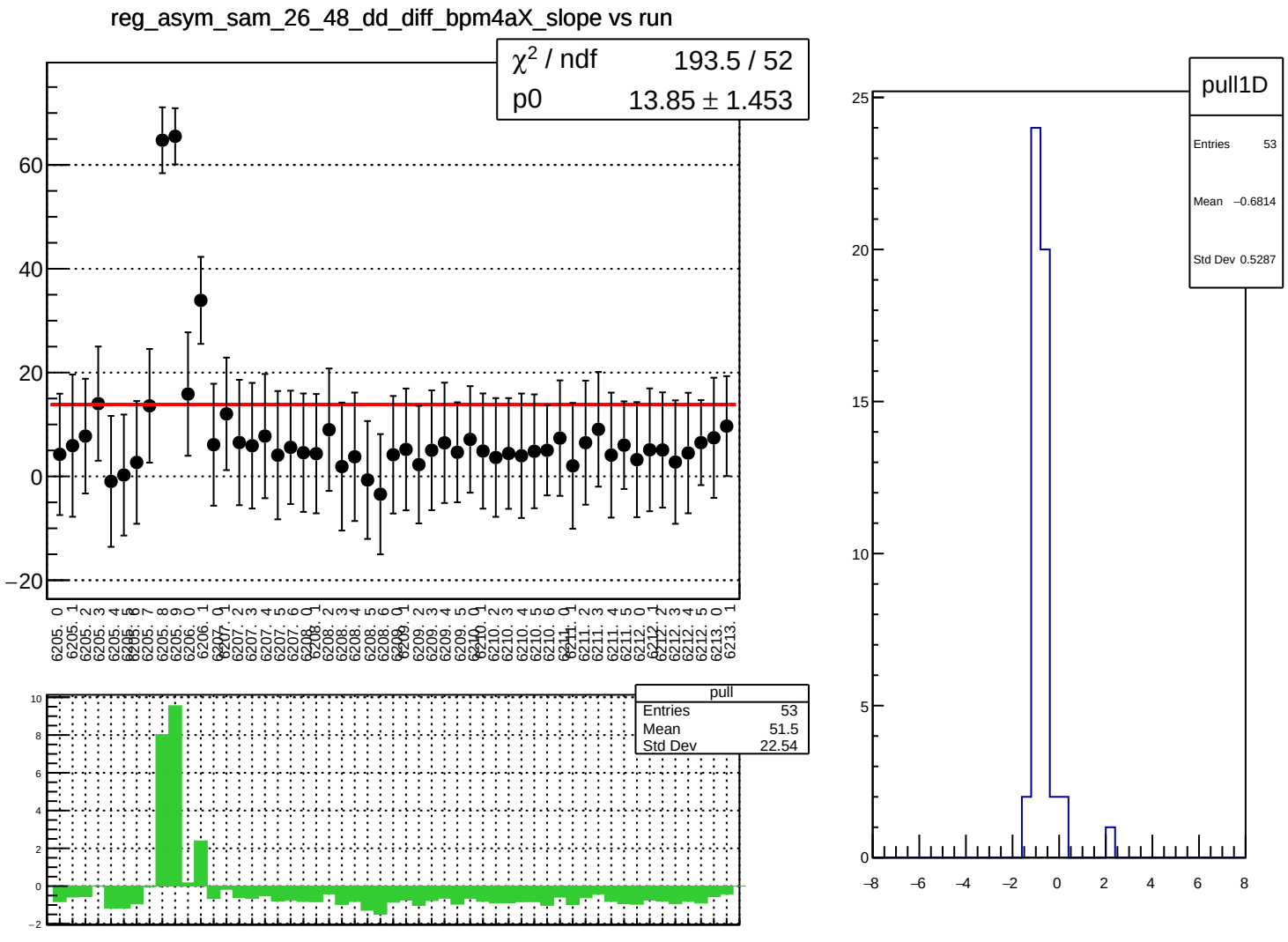

pull1D
Entries 53
Mean 0.06335
Std Dev 0.4462

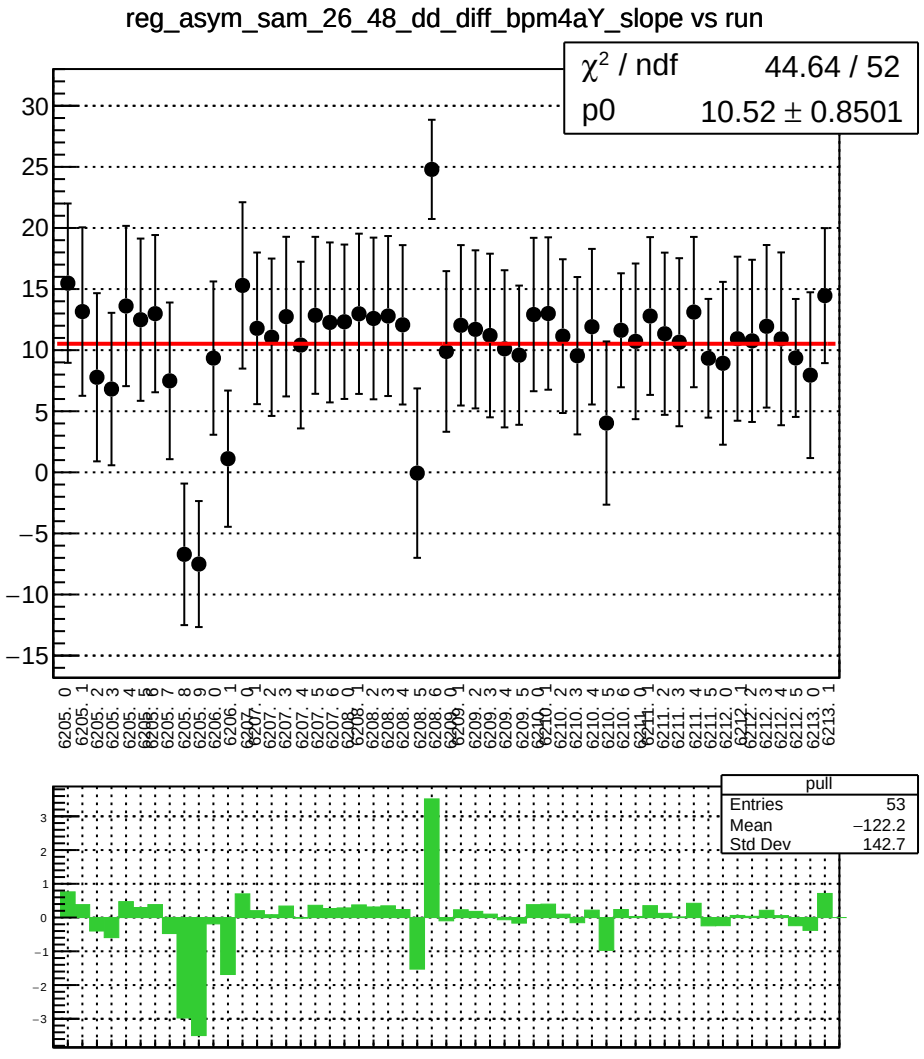

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.983 / 52
p0 −2.952 ± 2.2
pull
Entries 53
Mean 51.59
Std Dev 16.53
pull1D
Entries 53
Mean −0.01043
Std Dev 0.1358

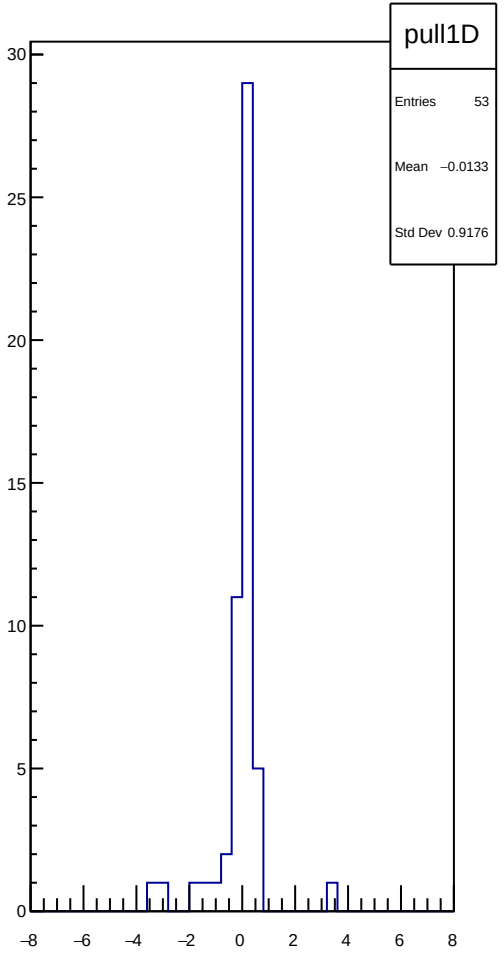

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 7.371 / 52
p0 −44.69 ± 4.184
pull
Entries 53
Mean 69.92
Std Dev 41.79
pull1D
Entries 53
Mean −0.05697
Std Dev 0.3686

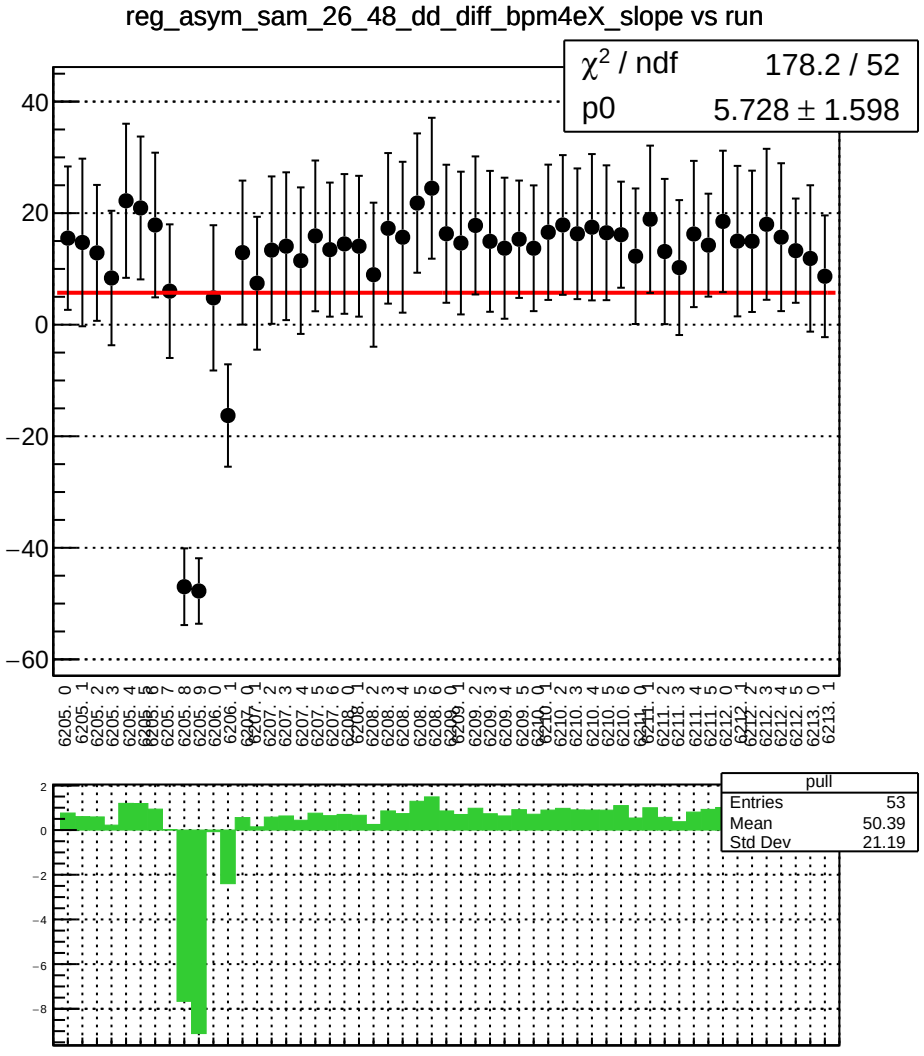

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 0.6139 / 52
p0 −9.419 ± 2.446
pull
Entries 53
Mean 8.583
Std Dev 24.16
pull1D
Entries 53
Mean 0.007371
Std Dev 0.1074

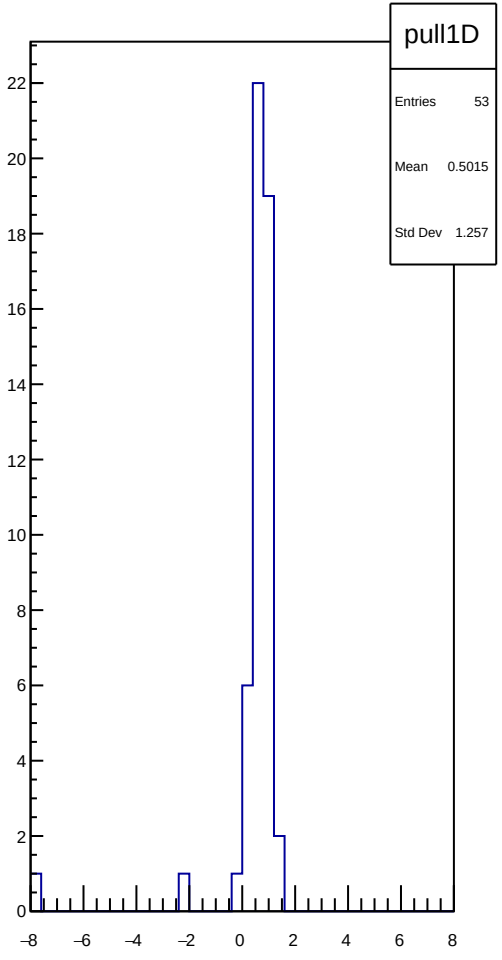

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 2.159 / 52
p0 −0.9639 ± 0.1816
pull
Entries 53
Mean 324.2
Std Dev 299
pull1D
Entries 53
Mean 0.004392
Std Dev 0.2018

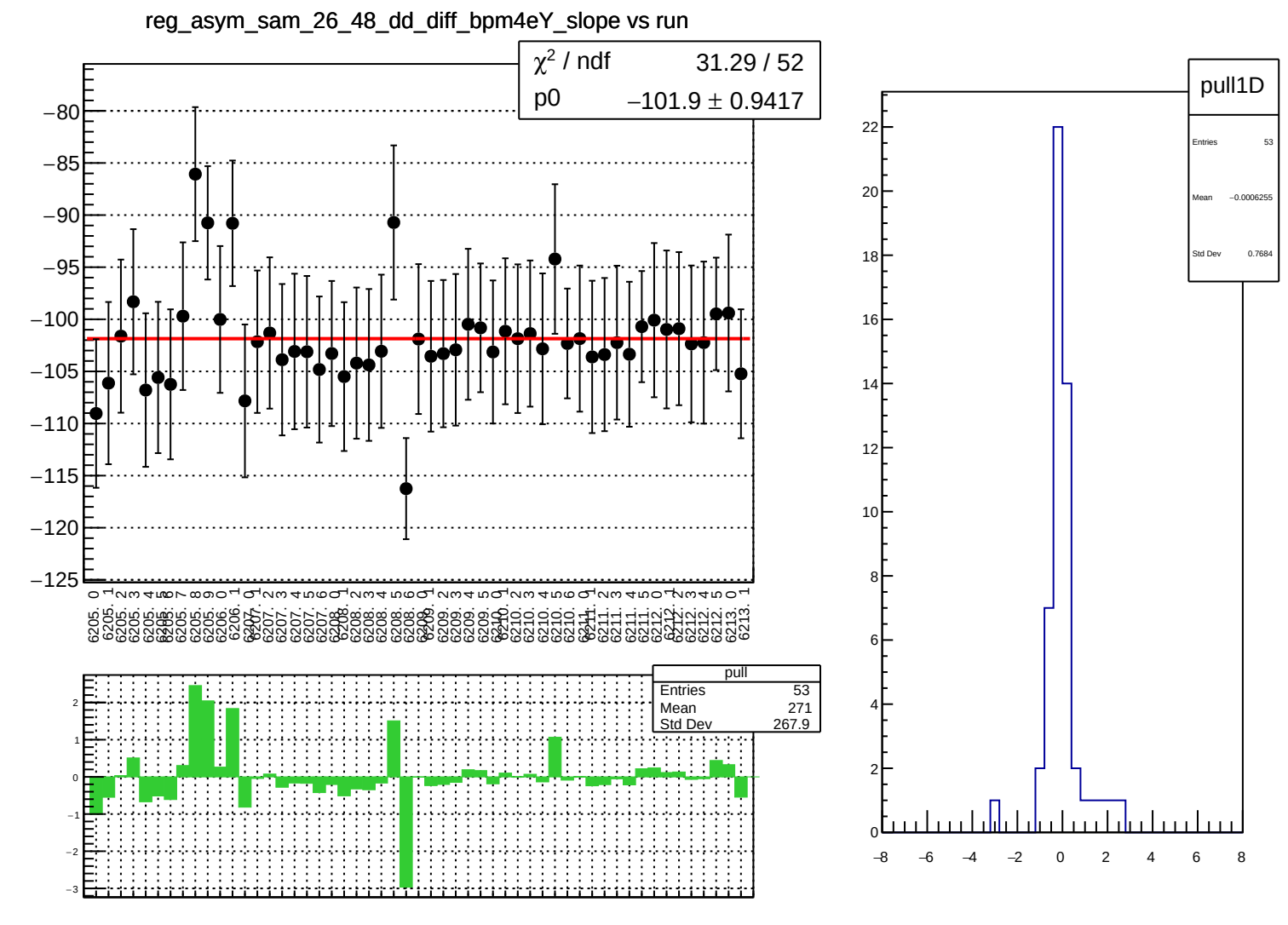

reg_asym_sam_26_48_dd_diff_bpm4aX_slope vs run
χ² / ndf 193.5 / 52
p0 13.85 ± 1.453
pull
Entries 53
Mean 51.5
Std Dev 22.54
pull1D
Entries 53
Mean −0.6814
Std Dev 0.5287

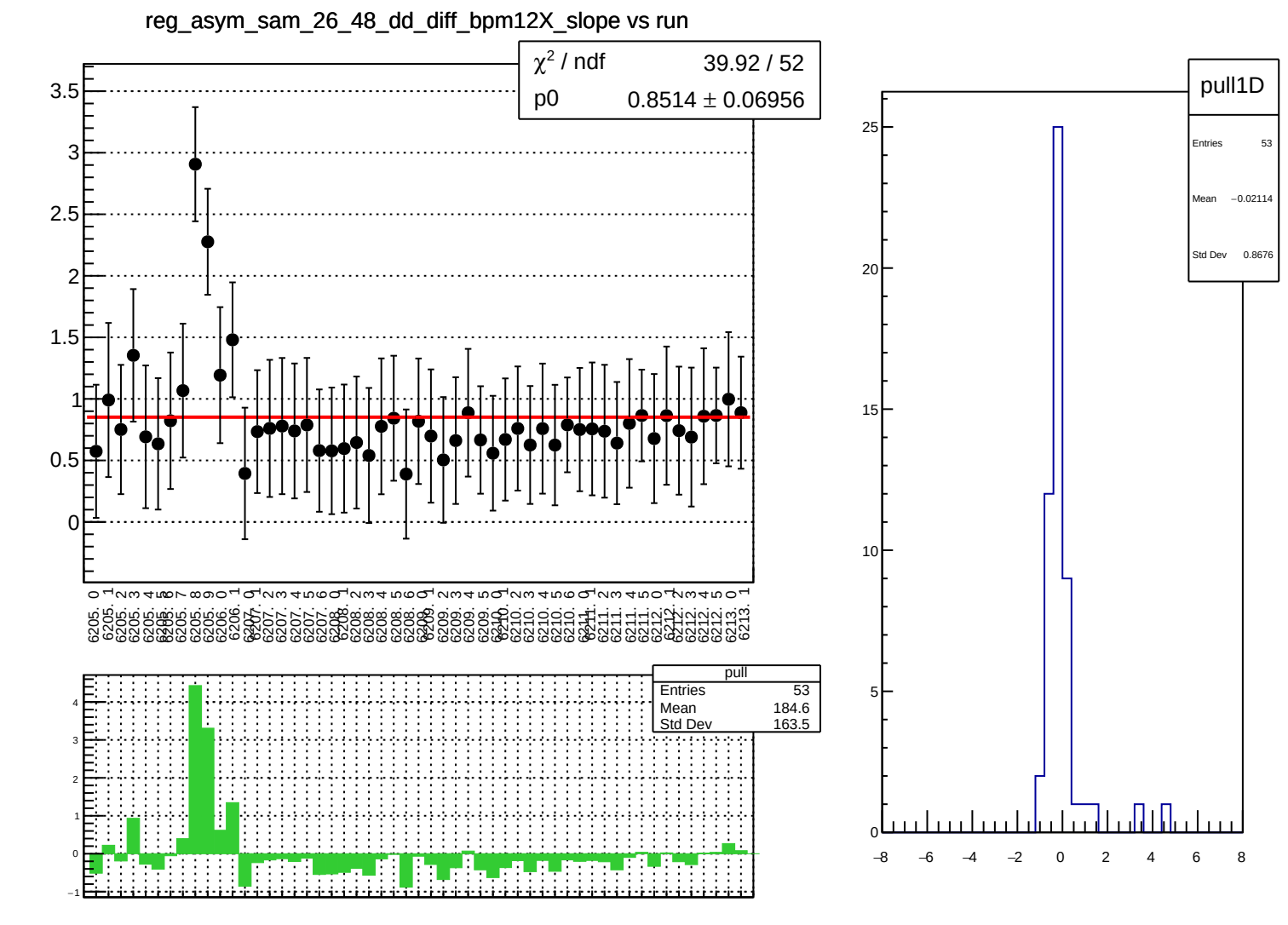

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 44.64 / 52
p0 10.52 ± 0.8501
pull
Entries 53
Mean −122.2
Std Dev 142.7

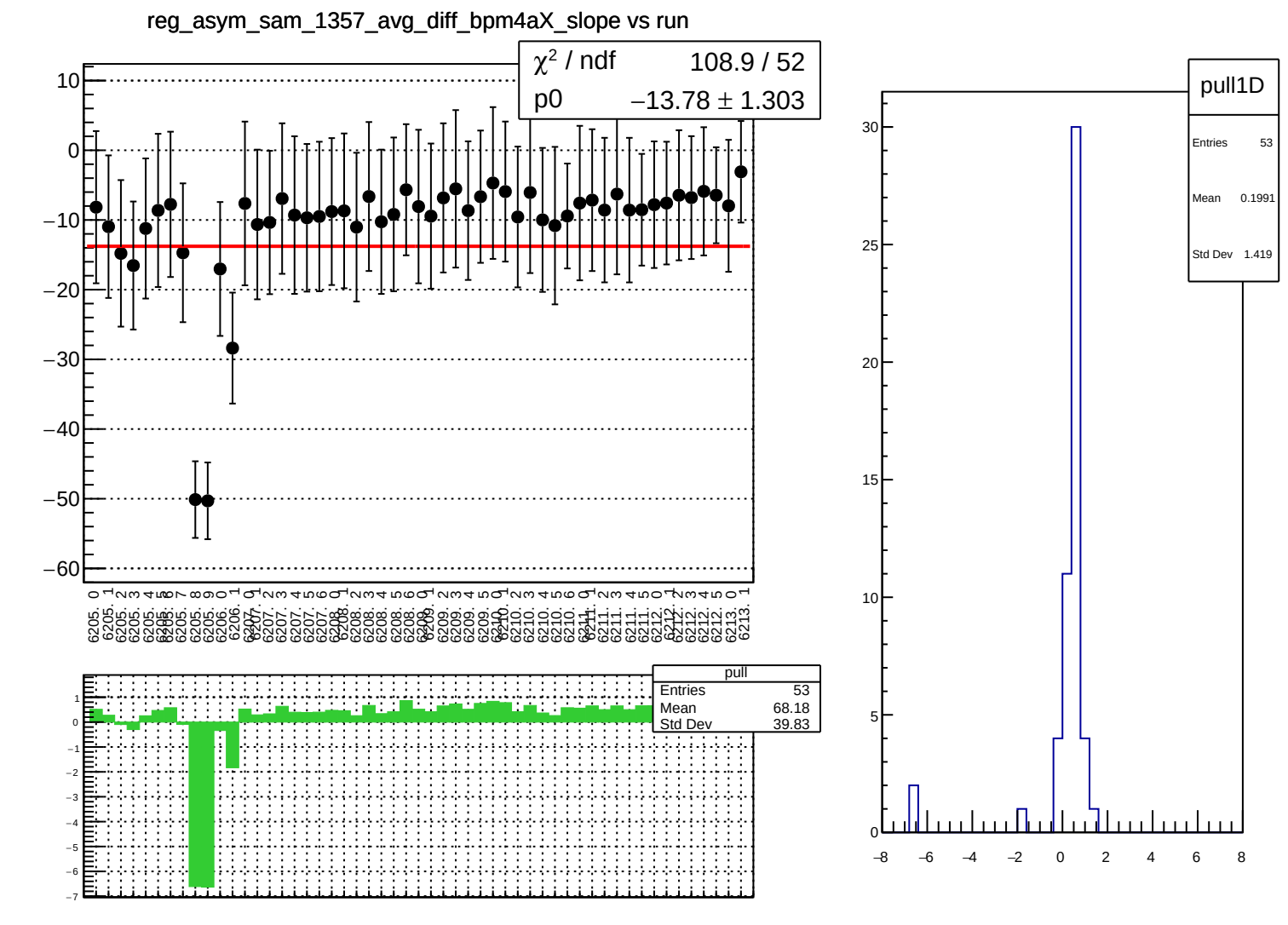

pull1D
Entries 53
Mean −0.0133
Std Dev 0.9176

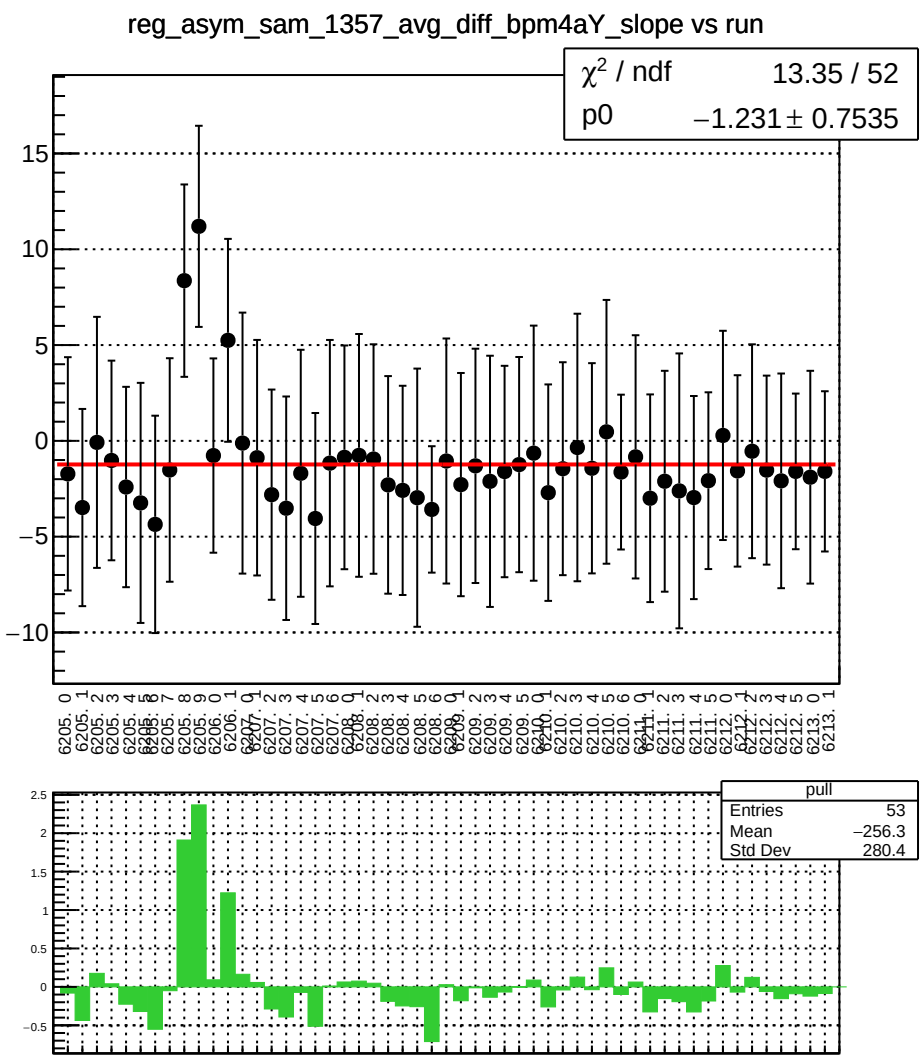

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 178.2 / 52
p0 5.728 ± 1.598
pull
Entries 53
Mean 50.39
Std Dev 21.19

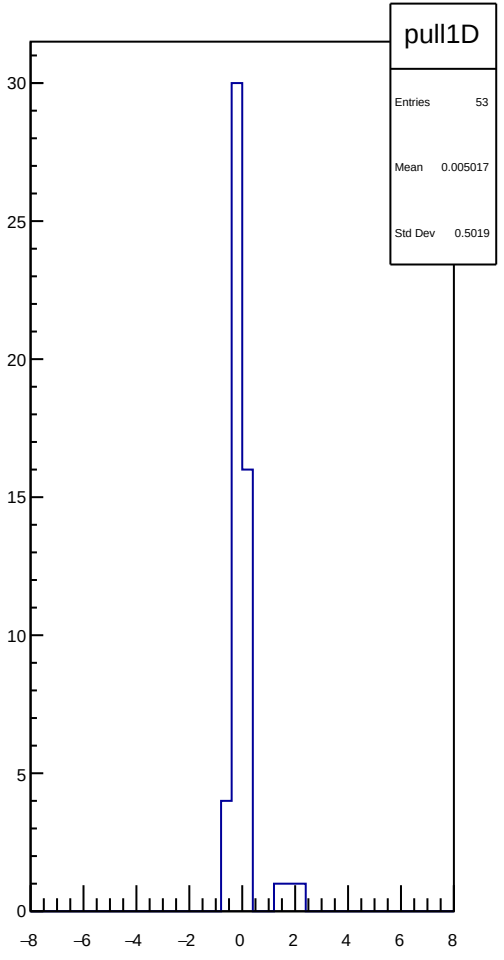

pull1D
Entries 53
Mean 0.5015
Std Dev 1.257

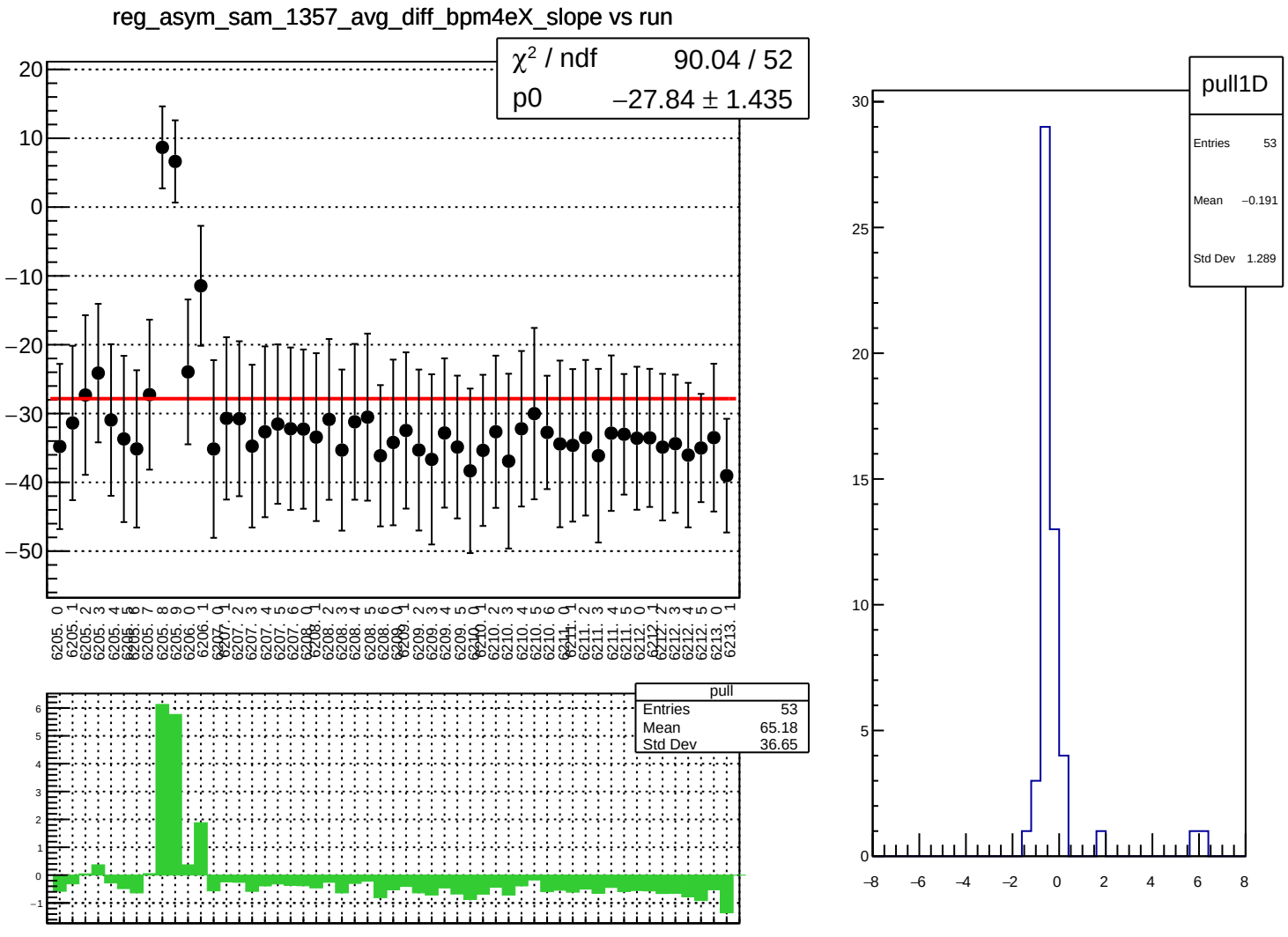

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 31.29 / 52
p0 −101.9 ± 0.9417
pull
Entries 53
Mean 271
Std Dev 267.9
pull1D
Entries 53
Mean −0.0006255
Std Dev 0.7684

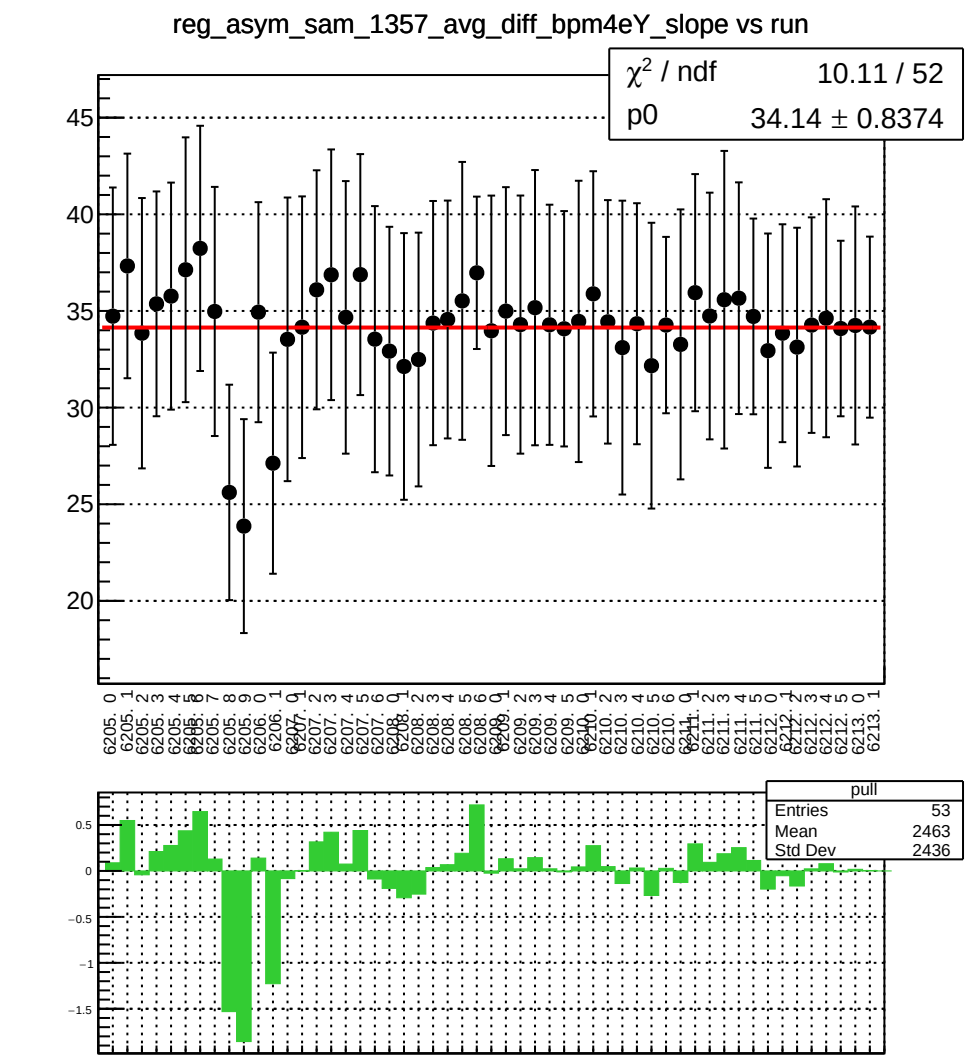

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 39.92 / 52
p0 0.8514 ± 0.06956
pull
Entries 53
Mean 184.6
Std Dev 163.5
pull1D
Entries 53
Mean −0.02114
Std Dev 0.8676

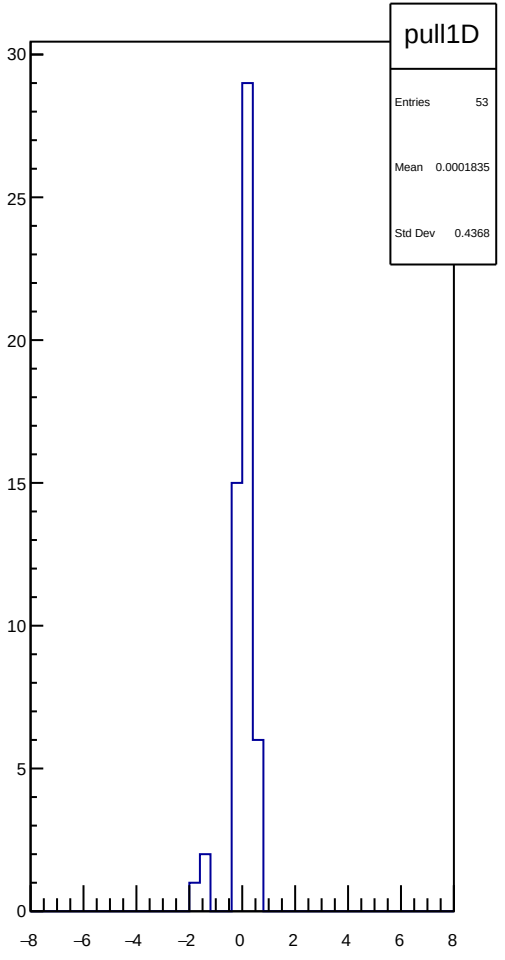

reg_asym_sam_1357_avg_diff_bpm4aX_slope vs run
χ² / ndf 108.9 / 52
p0 −13.78 ± 1.303
pull
Entries 53
Mean 68.18
Std Dev 39.83
pull1D
Entries 53
Mean 0.1991
Std Dev 1.419

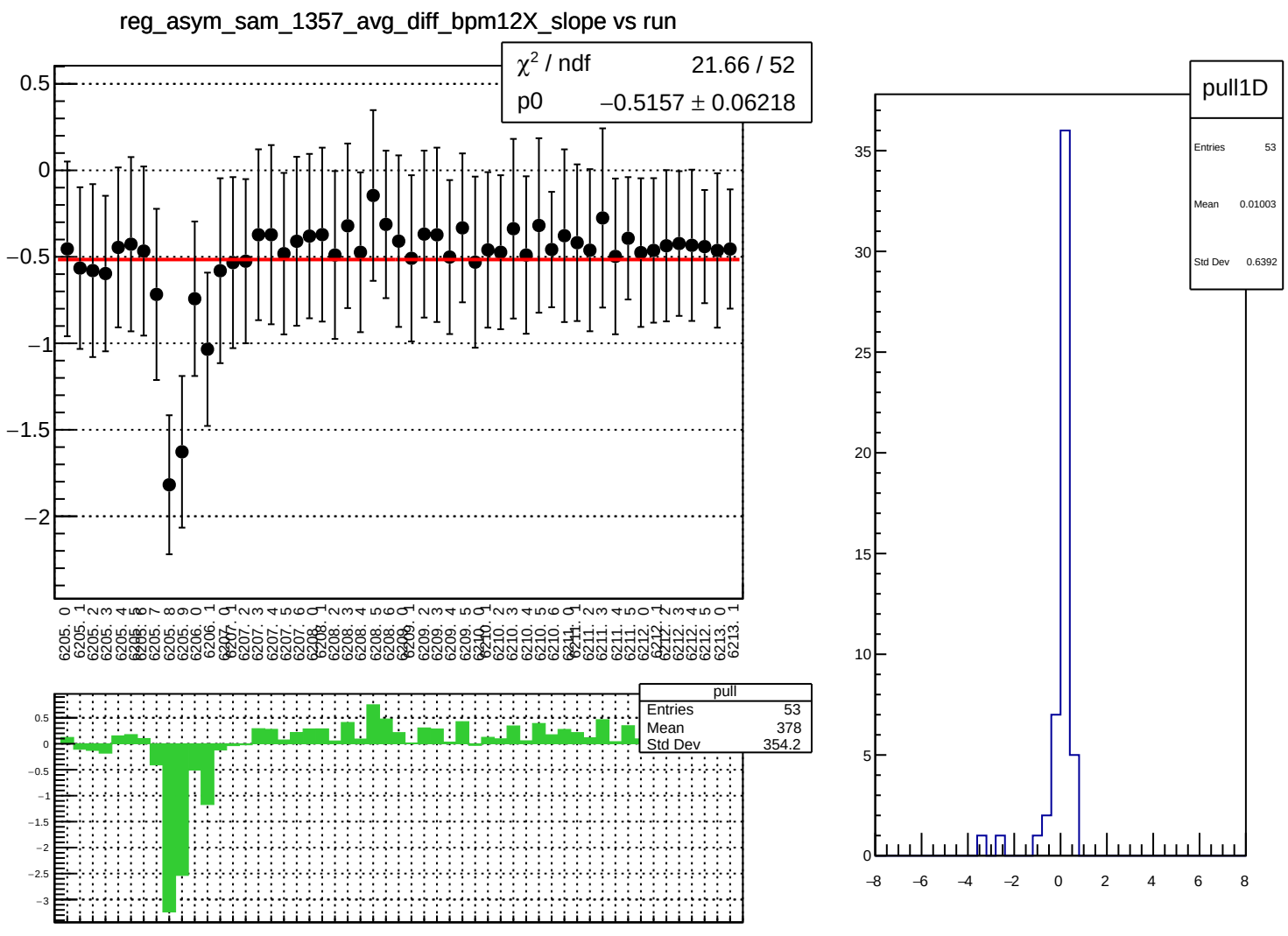

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.35 / 52
p0 −1.231 ± 0.7535
pull
Entries 53
Mean −256.3
Std Dev 280.4

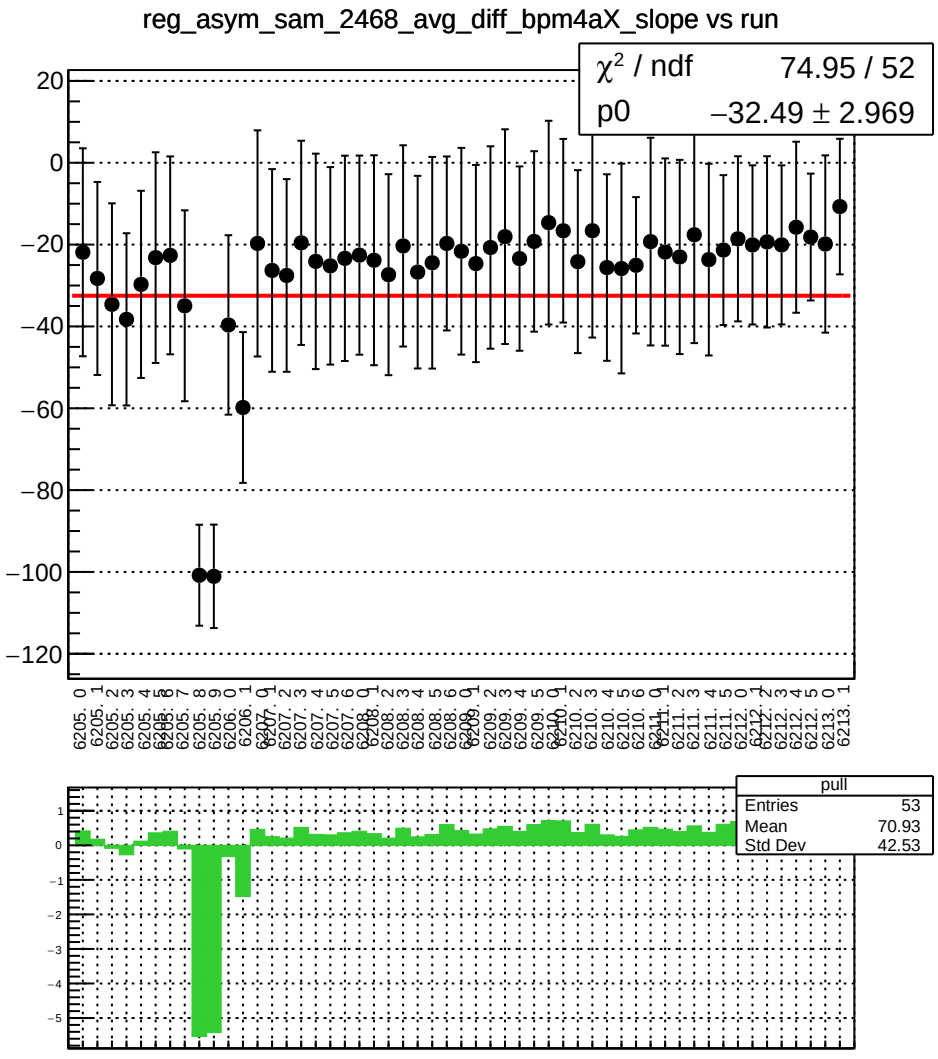

pull1D
Entries 53
Mean 0.005017
Std Dev 0.5019

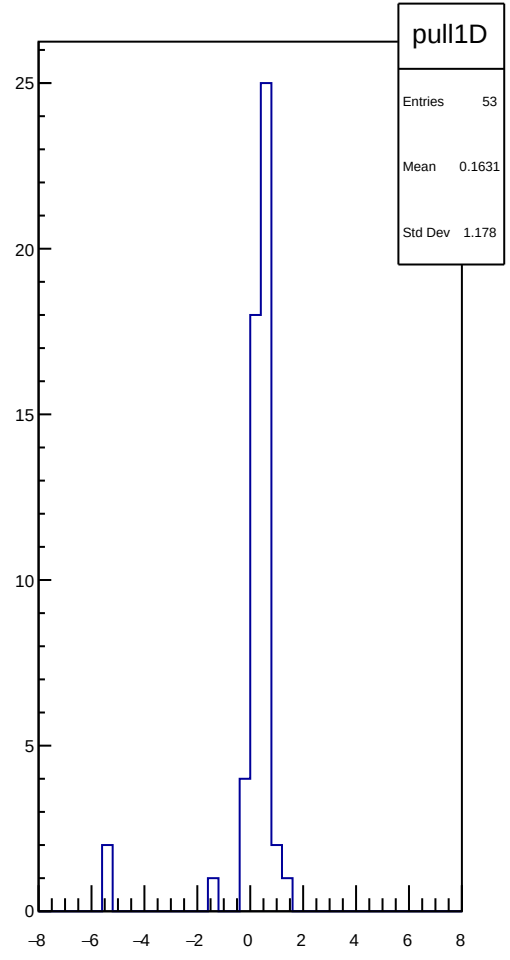

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 90.04 / 52
p0 −27.84 ± 1.435
pull
Entries 53
Mean 65.18
Std Dev 36.65
pull1D
Entries 53
Mean −0.191
Std Dev 1.289

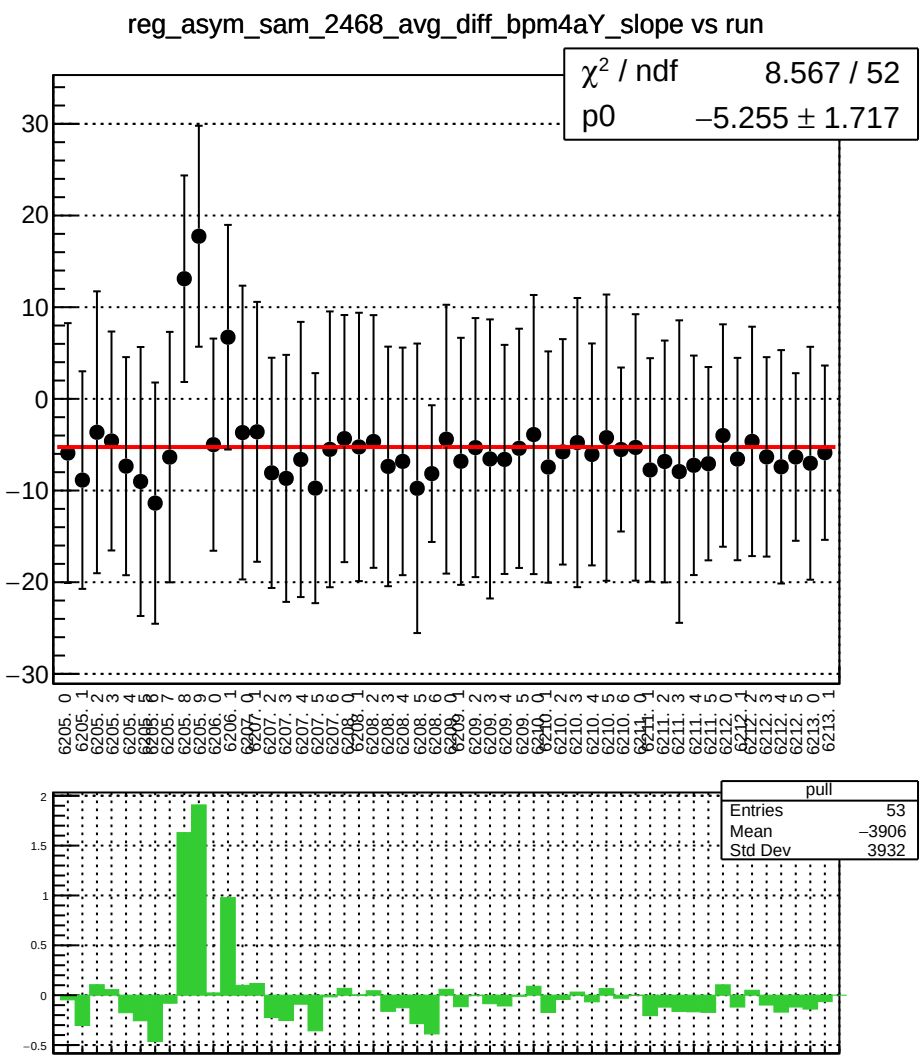

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.11 / 52
p0 34.14 ± 0.8374
pull
Entries 53
Mean 2463
Std Dev 2436

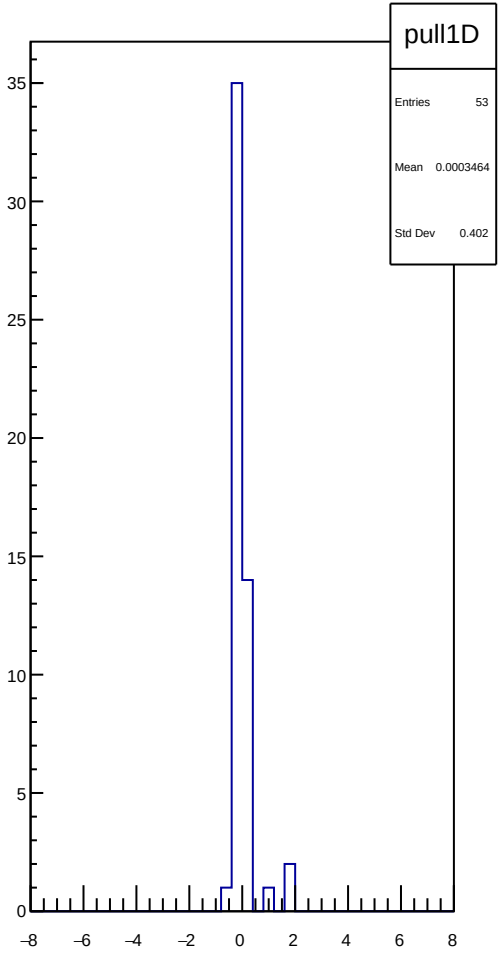

pull1D
Entries 53
Mean 0.0001835
Std Dev 0.4368

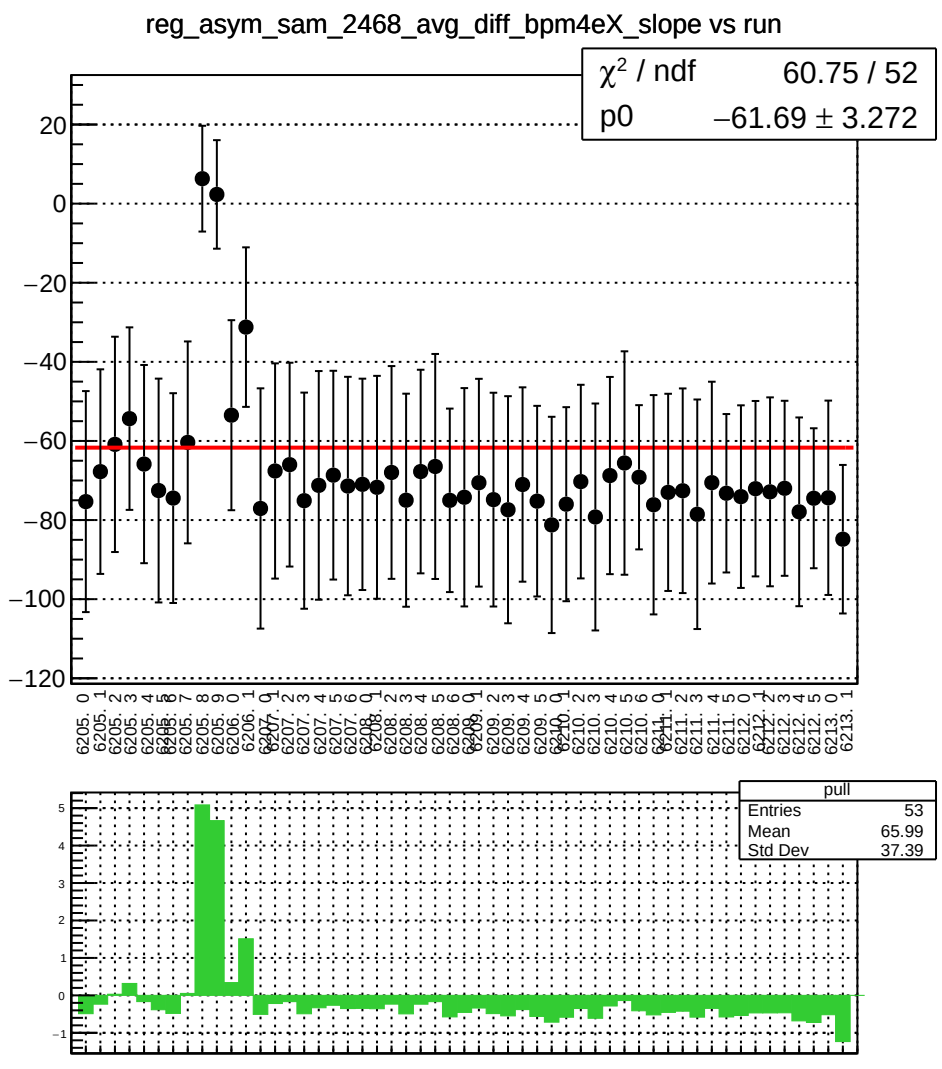

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 21.66 / 52
p0 −0.5157 ± 0.06218
pull
Entries 53
Mean 378
Std Dev 354.2
pull1D
Entries 53
Mean 0.01003
Std Dev 0.6392

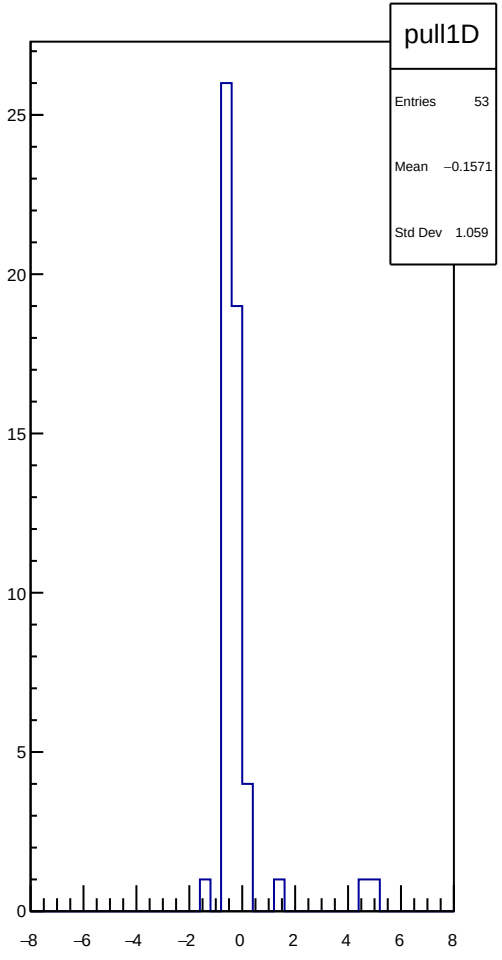

reg_asym_sam_2468_avg_diff_bpm4aX_slope vs run
χ² / ndf 74.95 / 52
p0 −32.49 ± 2.969
pull
Entries 53
Mean 70.93
Std Dev 42.53

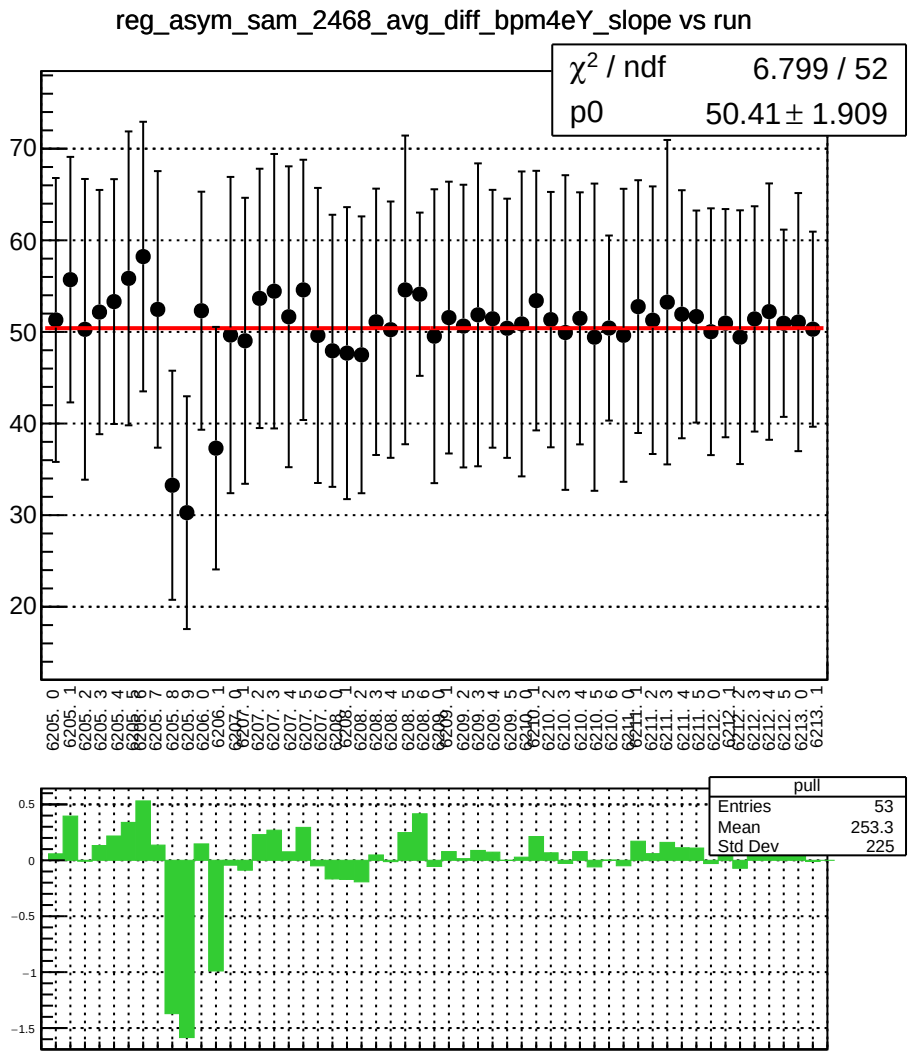

pull1D
Entries 53
Mean 0.1631
Std Dev 1.178

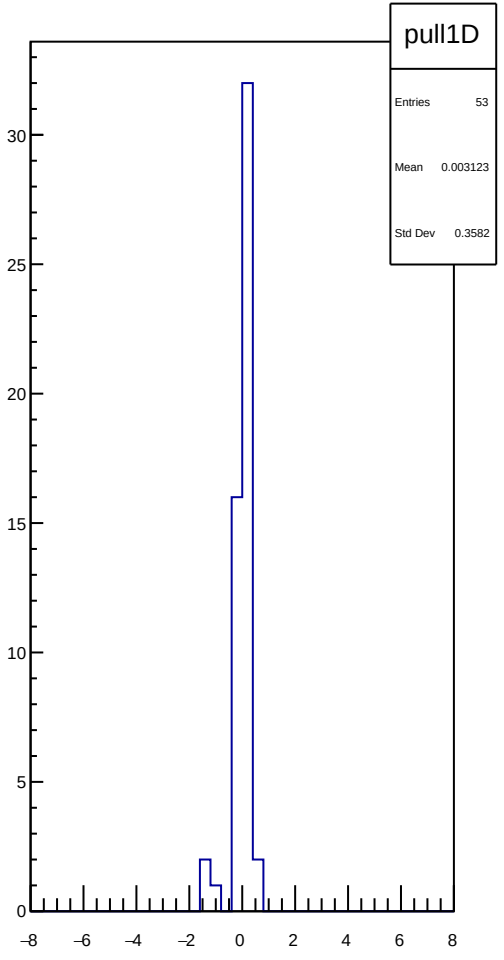

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.567 / 52
p0 −5.255 ± 1.717
pull
Entries 53
Mean −3906
Std Dev 3932

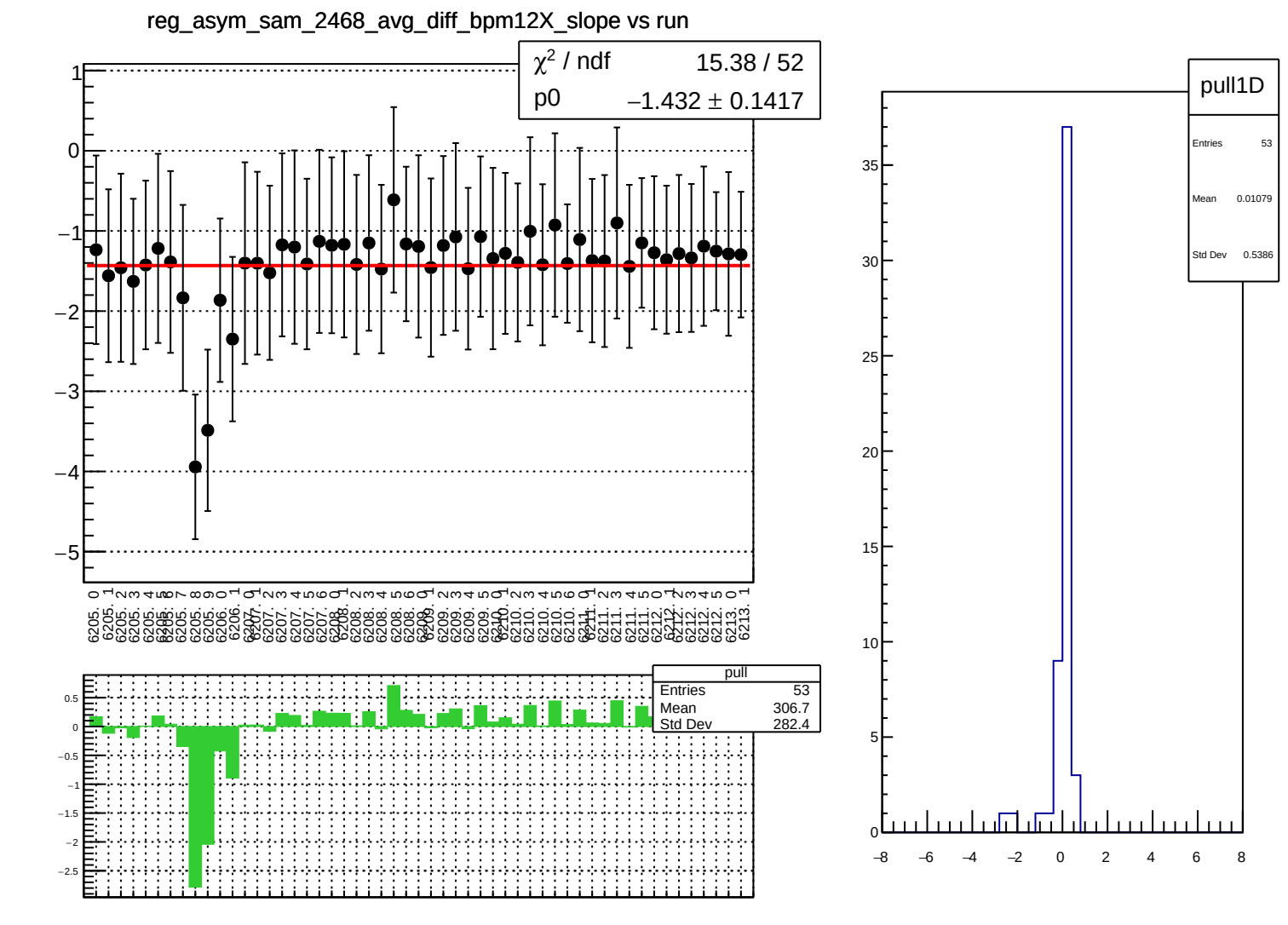

pull1D
Entries 53
Mean 0.0003464
Std Dev 0.402

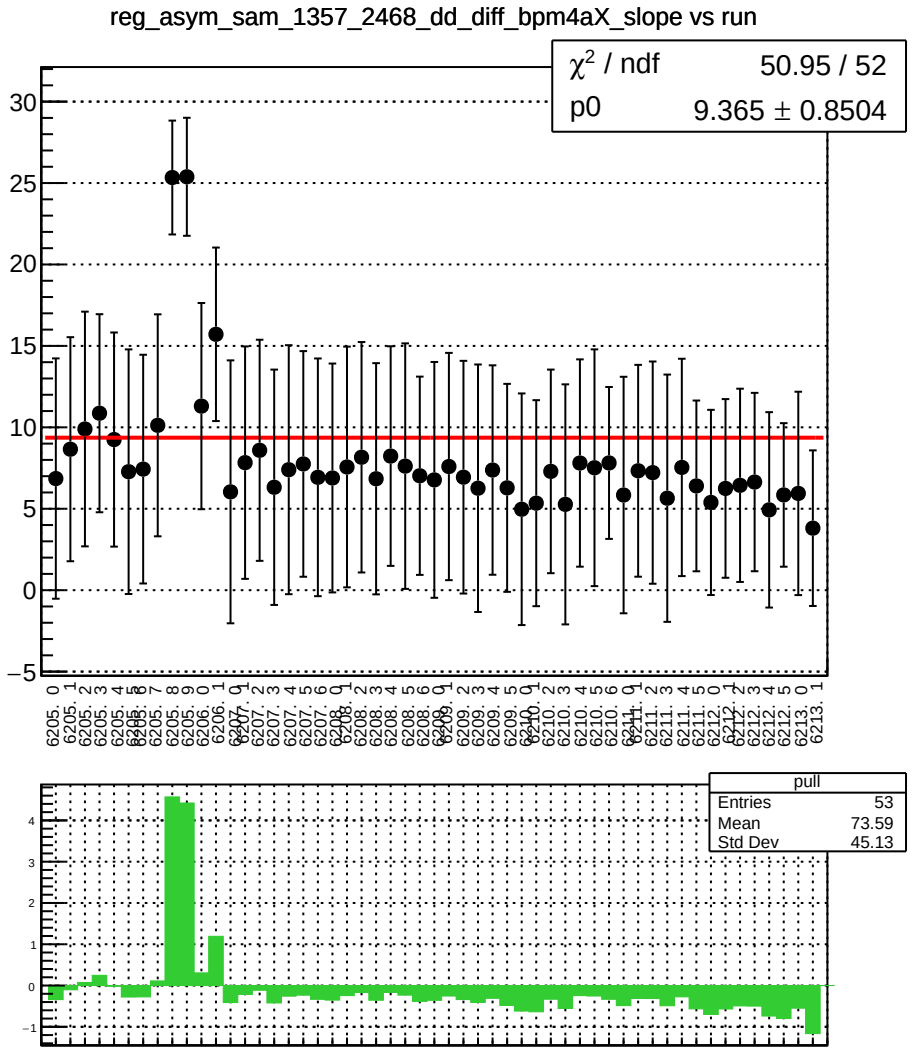

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 60.75 / 52
p0 −61.69 ± 3.272
pull
Entries 53
Mean 65.99
Std Dev 37.39

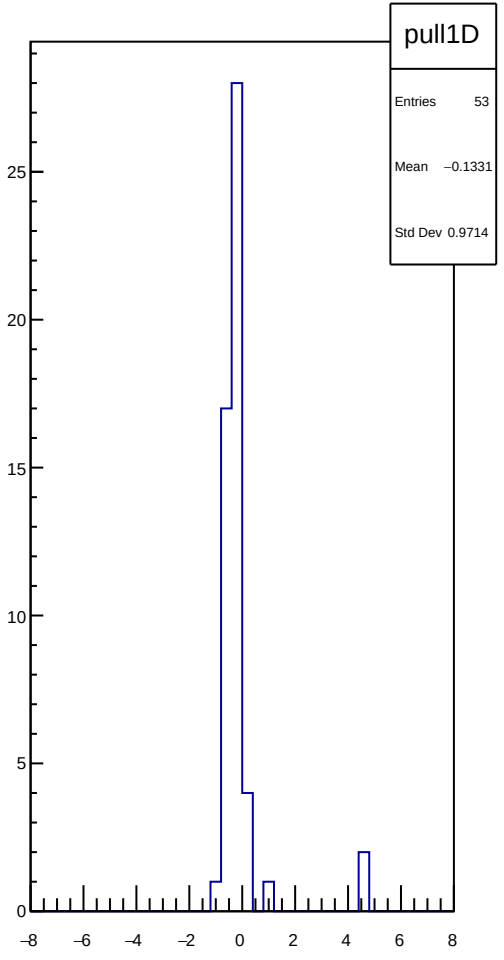

pull1D
Entries 53
Mean −0.1571
Std Dev 1.059

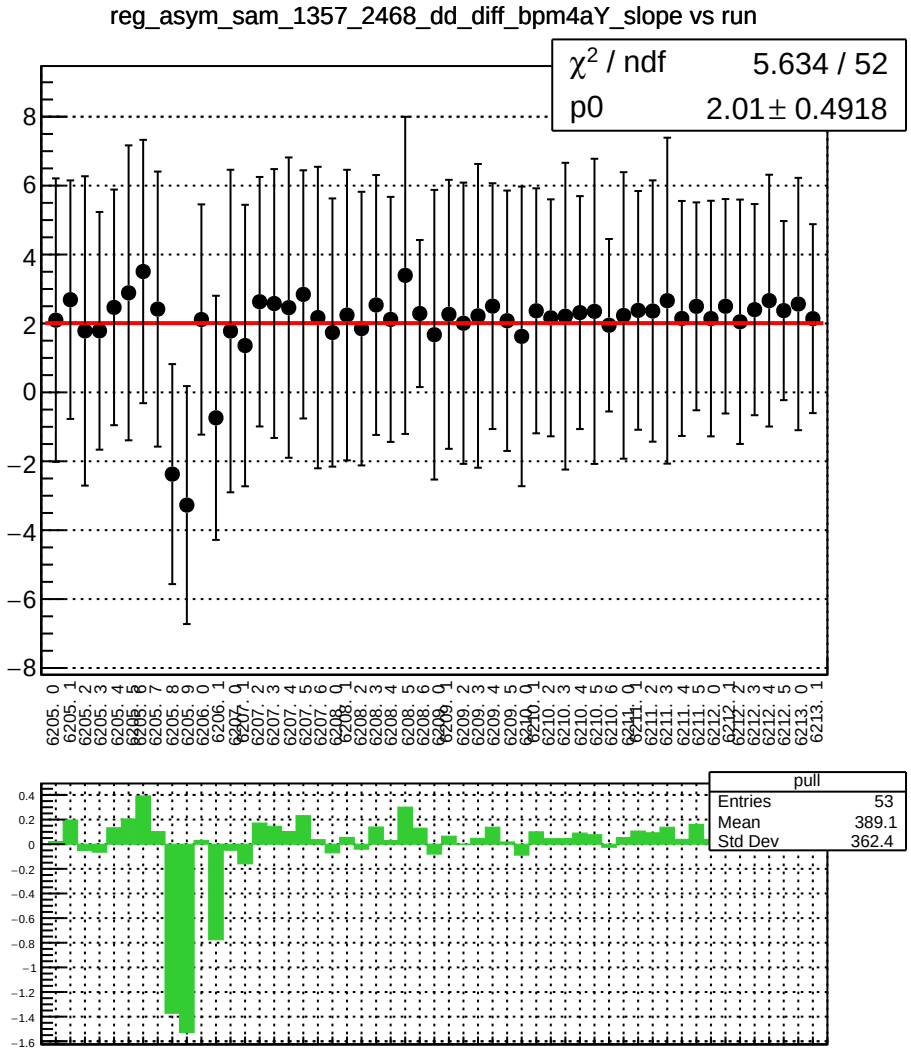

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.799 / 52
p0 50.41 ± 1.909
pull
Entries 53
Mean 253.3
Std Dev 225

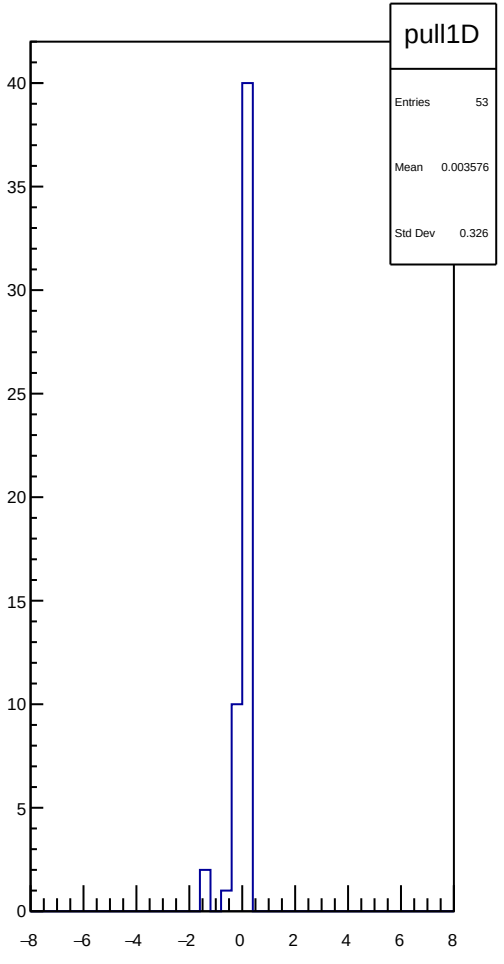

pull1D
Entries 53
Mean 0.003123
Std Dev 0.3582

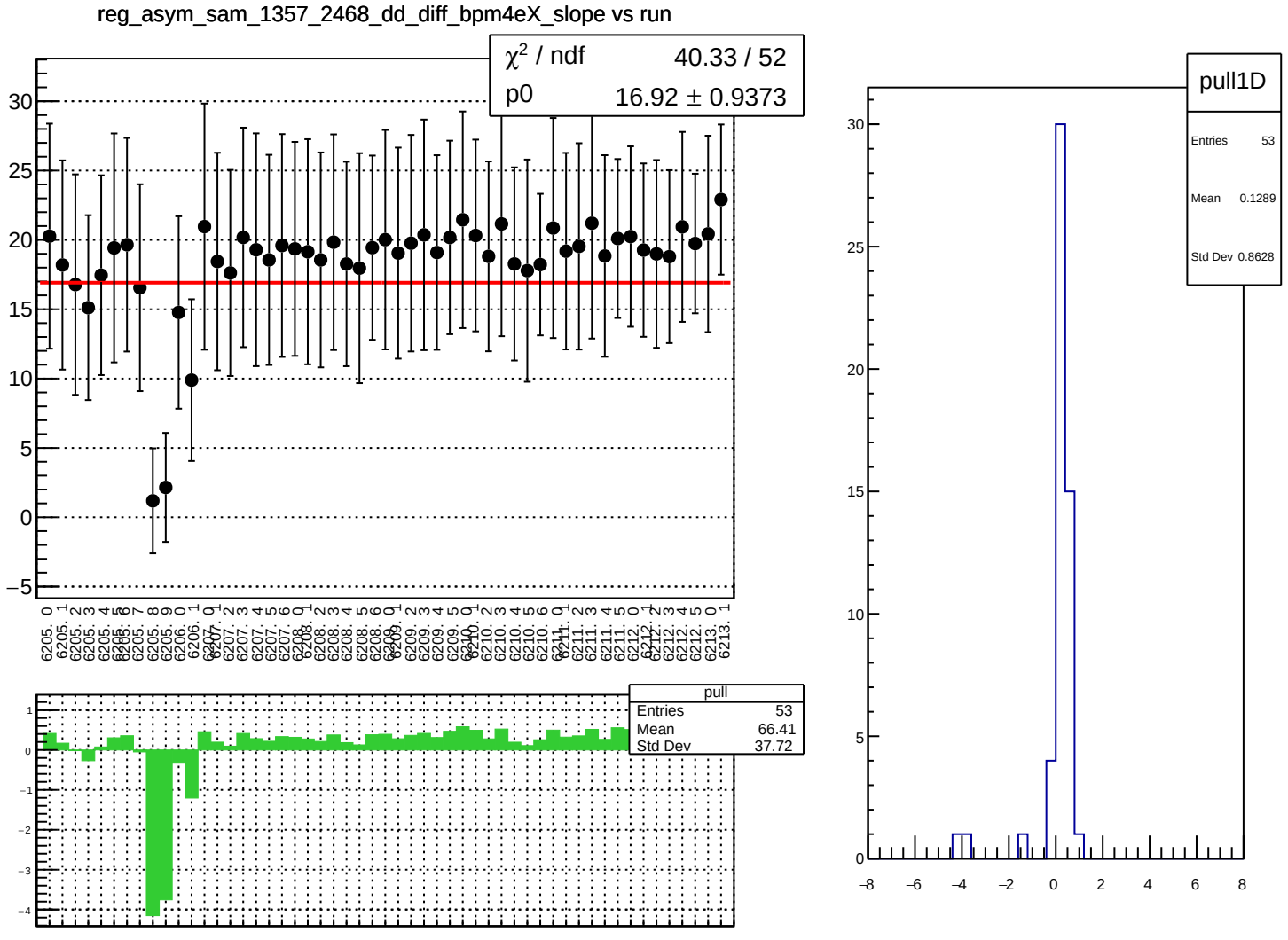

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 15.38 / 52
p0 −1.432 ± 0.1417
pull
Entries 53
Mean 306.7
Std Dev 282.4
pull1D
Entries 53
Mean 0.01079
Std Dev 0.5386

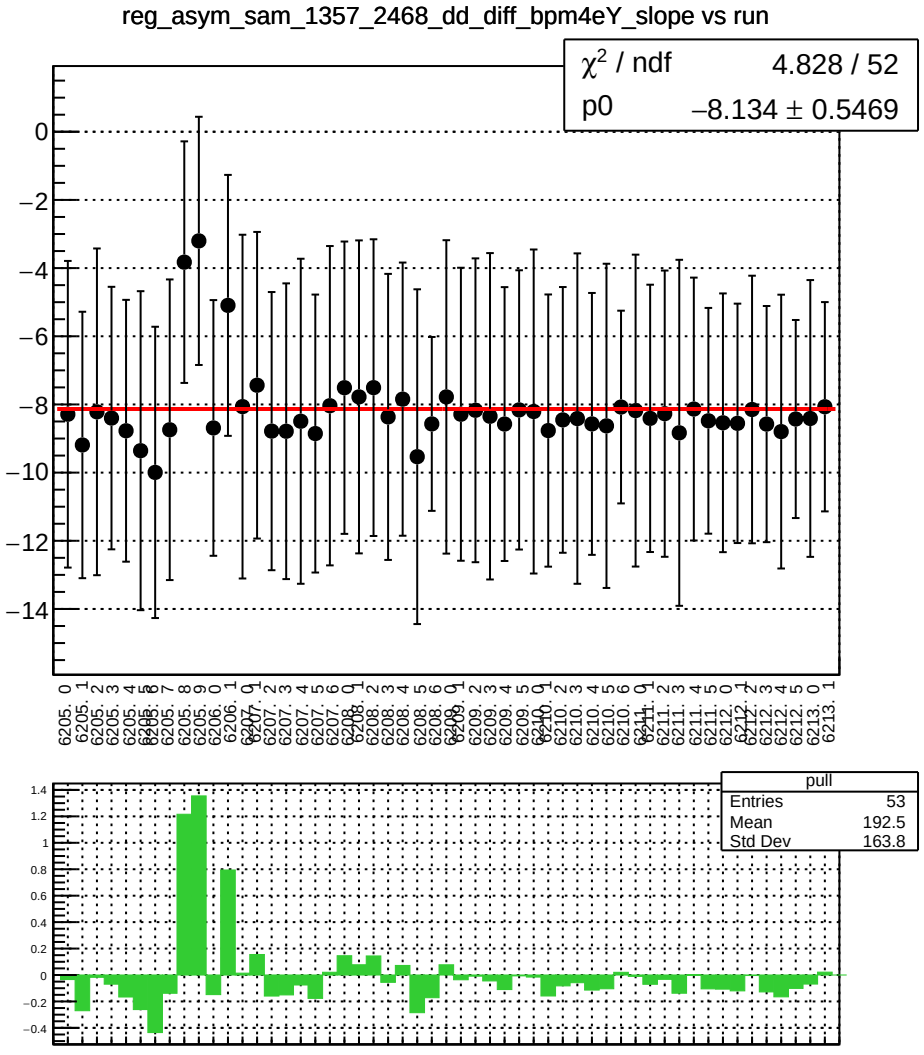

reg_asym_sam_1357_2468_dd_diff_bpm4aX_slope vs run
χ² / ndf 50.95 / 52
p0 9.365 ± 0.8504
pull
Entries 53
Mean 73.59
Std Dev 45.13

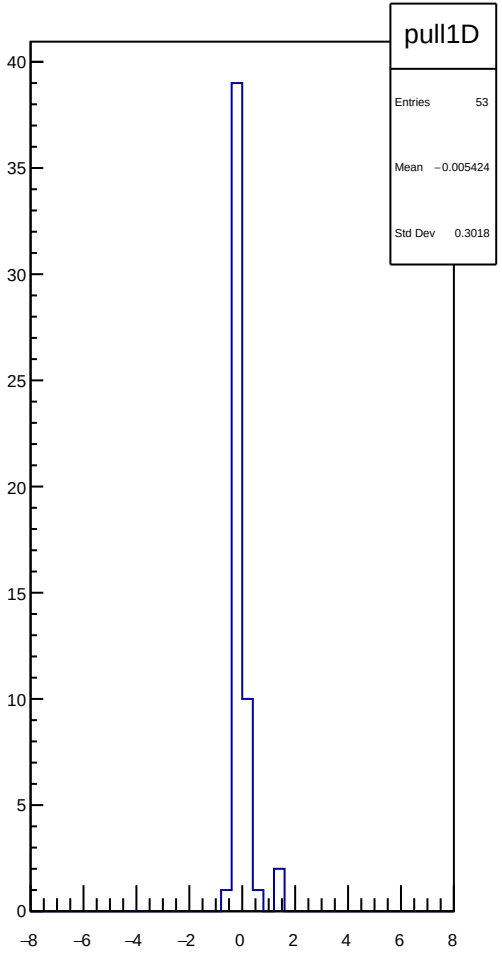

pull1D
Entries 53
Mean −0.1331
Std Dev 0.9714

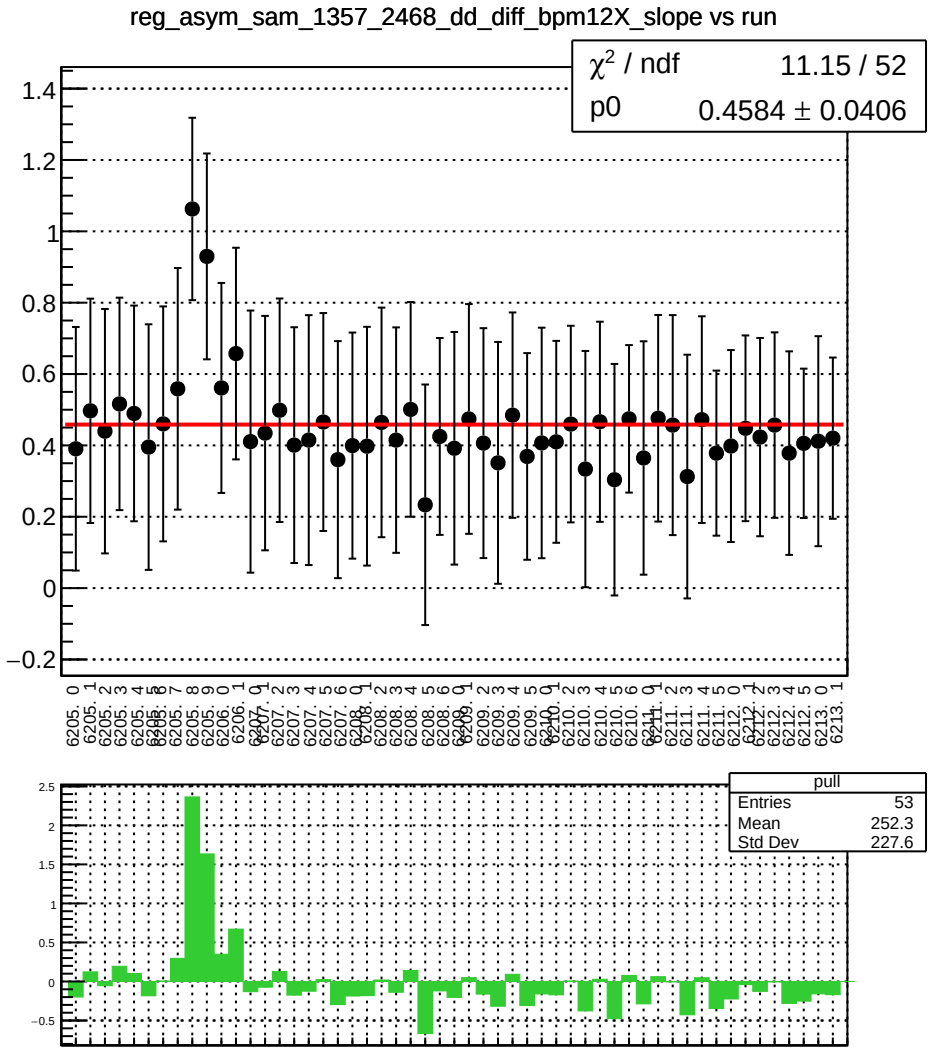

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.634 / 52
p0 2.01 ± 0.4918
pull
Entries 53
Mean 389.1
Std Dev 362.4

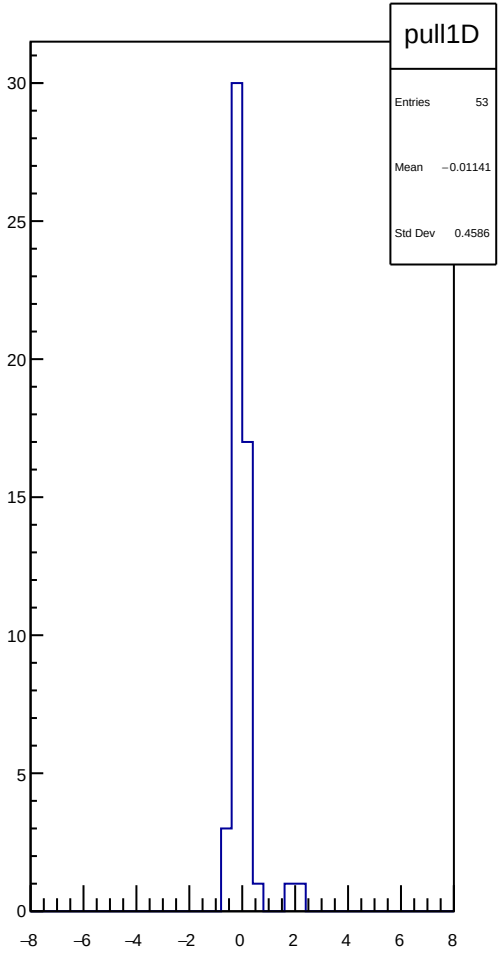

pull1D
Entries 53
Mean 0.003576
Std Dev 0.326

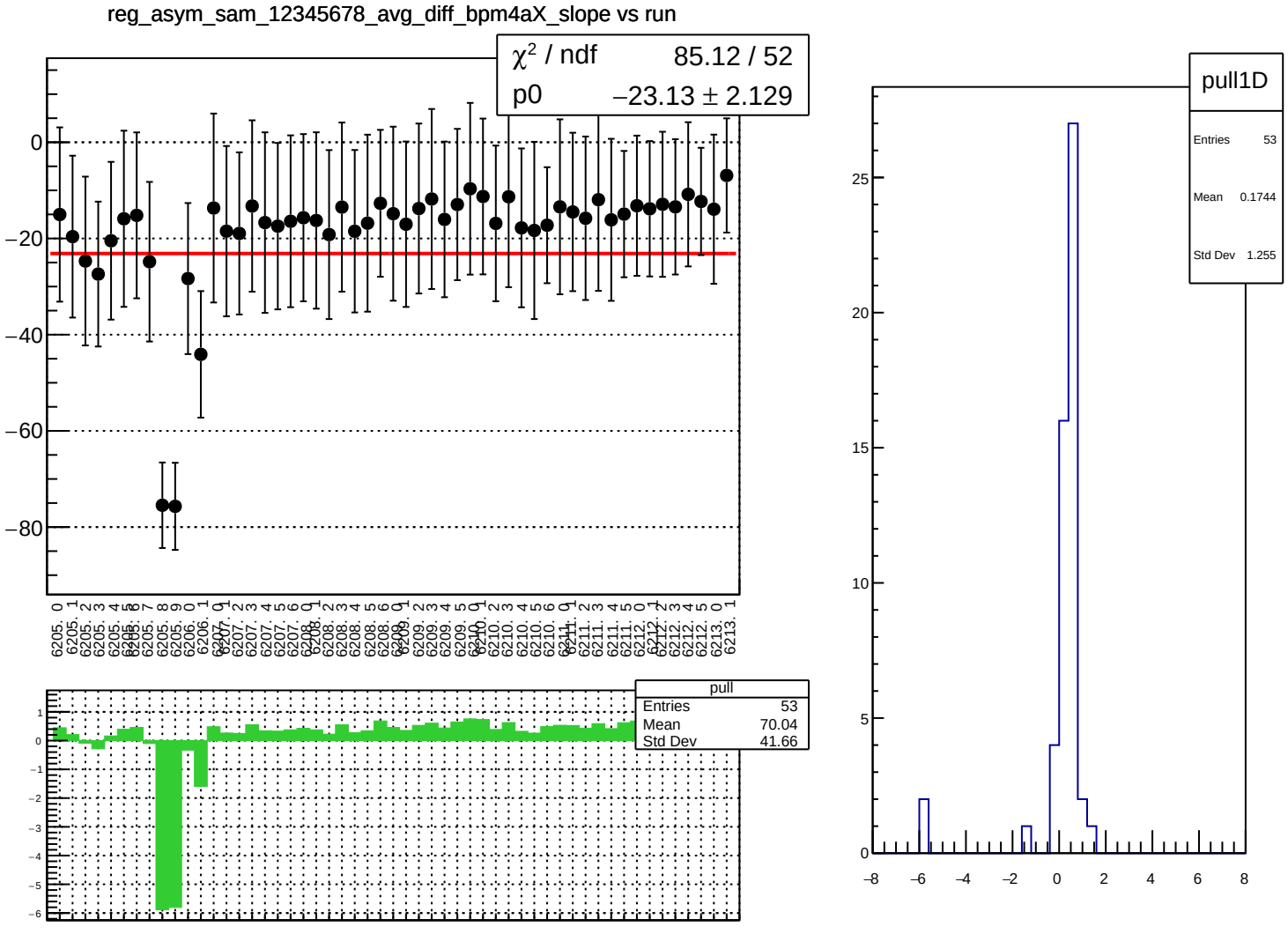

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 40.33 / 52
p0 16.92 ± 0.9373
pull
Entries 53
Mean 66.41
Std Dev 37.72
pull1D
Entries 53
Mean 0.1289
Std Dev 0.8628

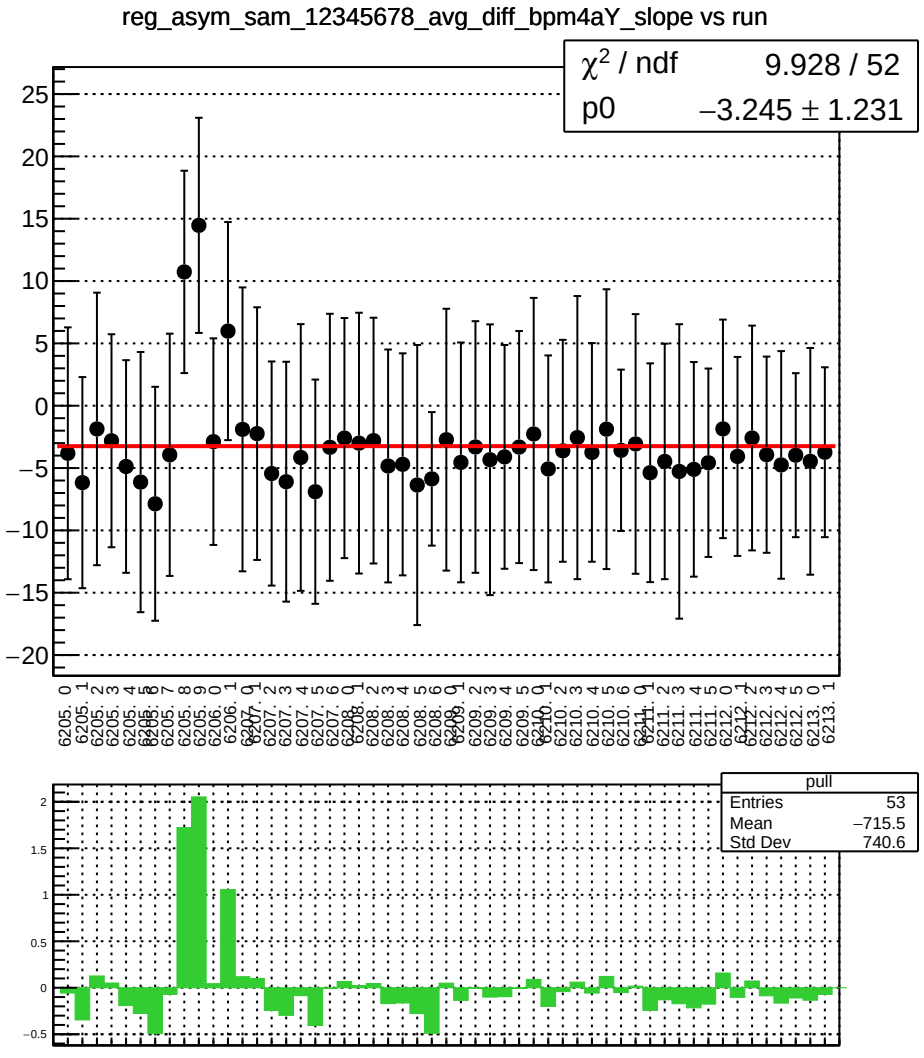

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.828 / 52
p0 −8.134 ± 0.5469
pull
Entries 53
Mean 192.5
Std Dev 163.8

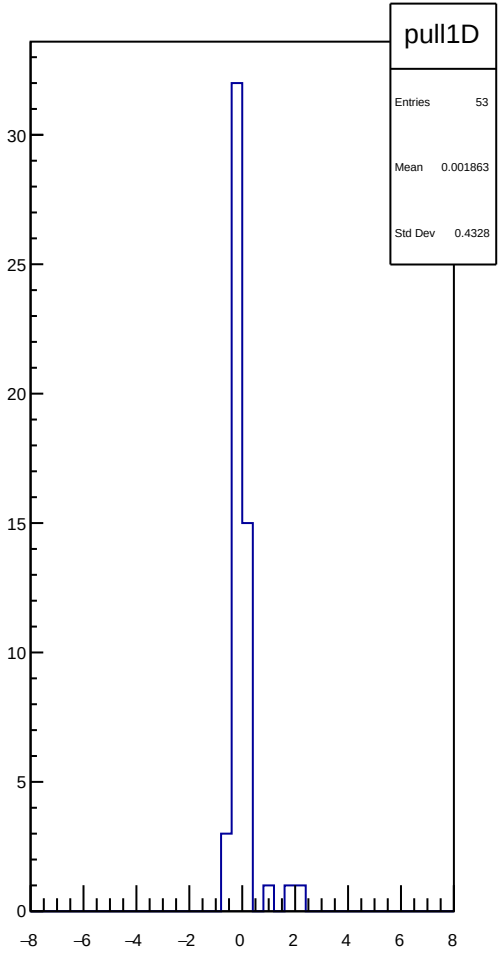

pull1D
Entries 53
Mean −0.005424
Std Dev 0.3018

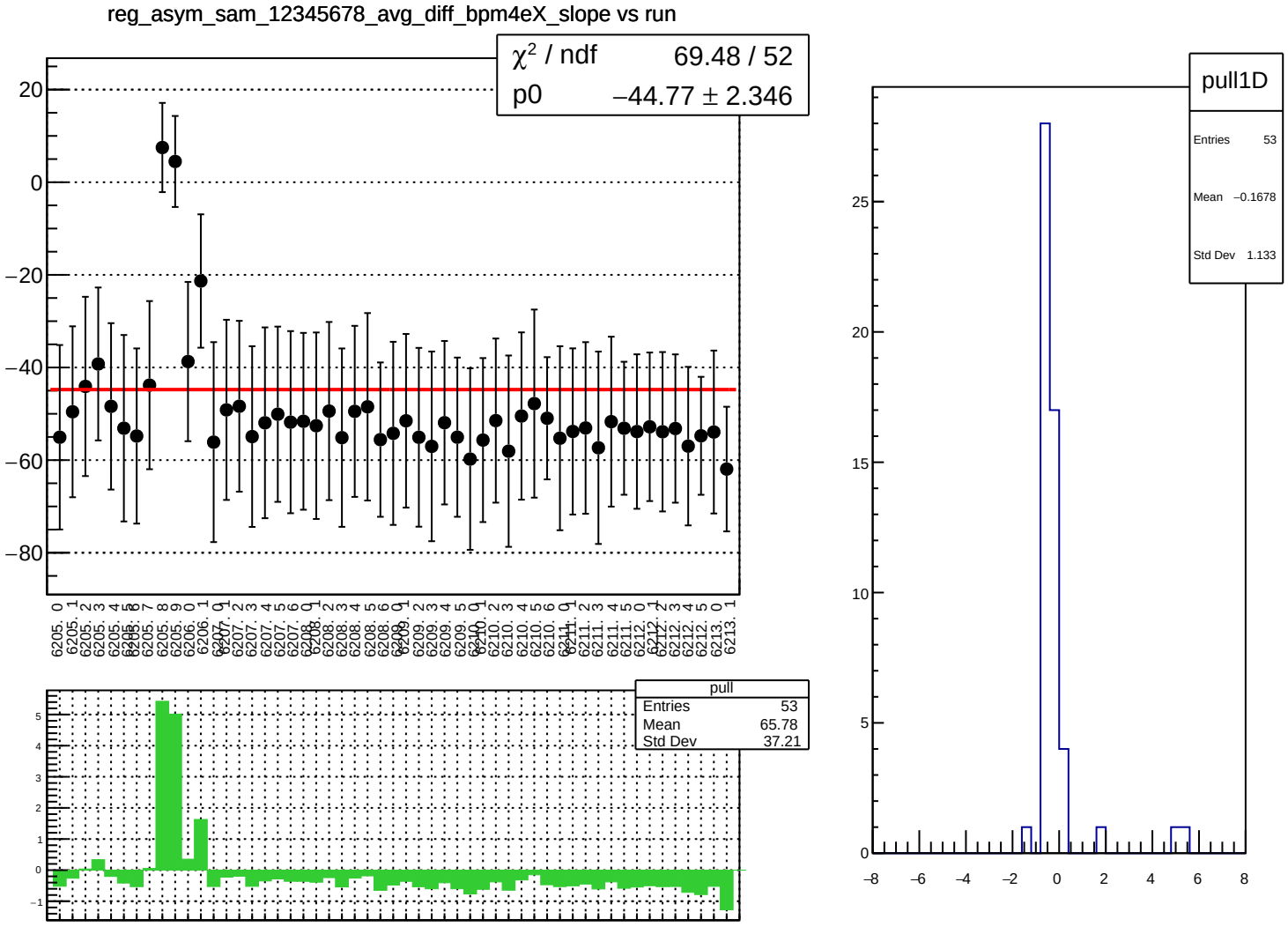

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 11.15 / 52
p0 0.4584 ± 0.0406
pull
Entries 53
Mean 252.3
Std Dev 227.6

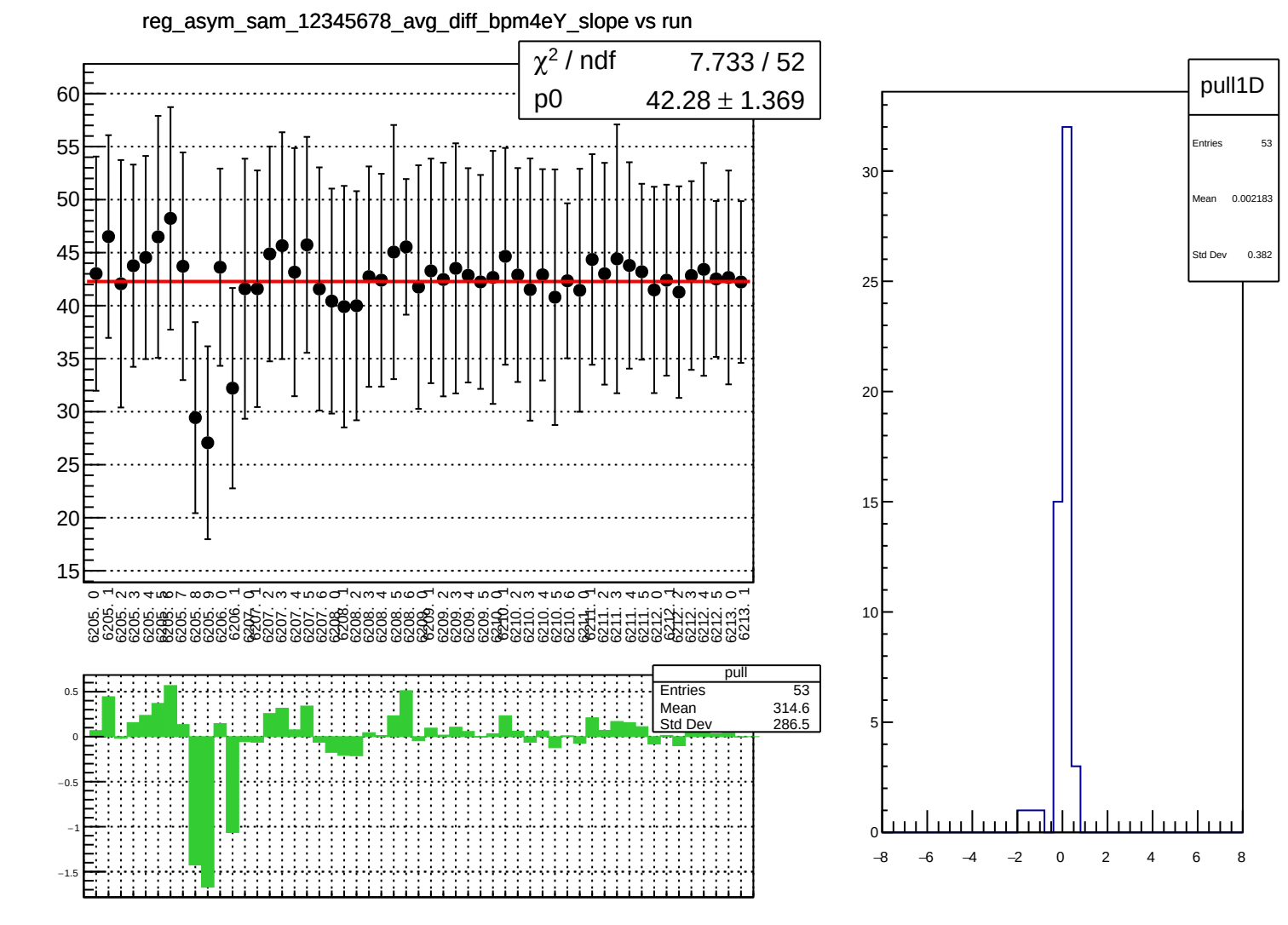

pull1D
Entries 53
Mean −0.01141
Std Dev 0.4586

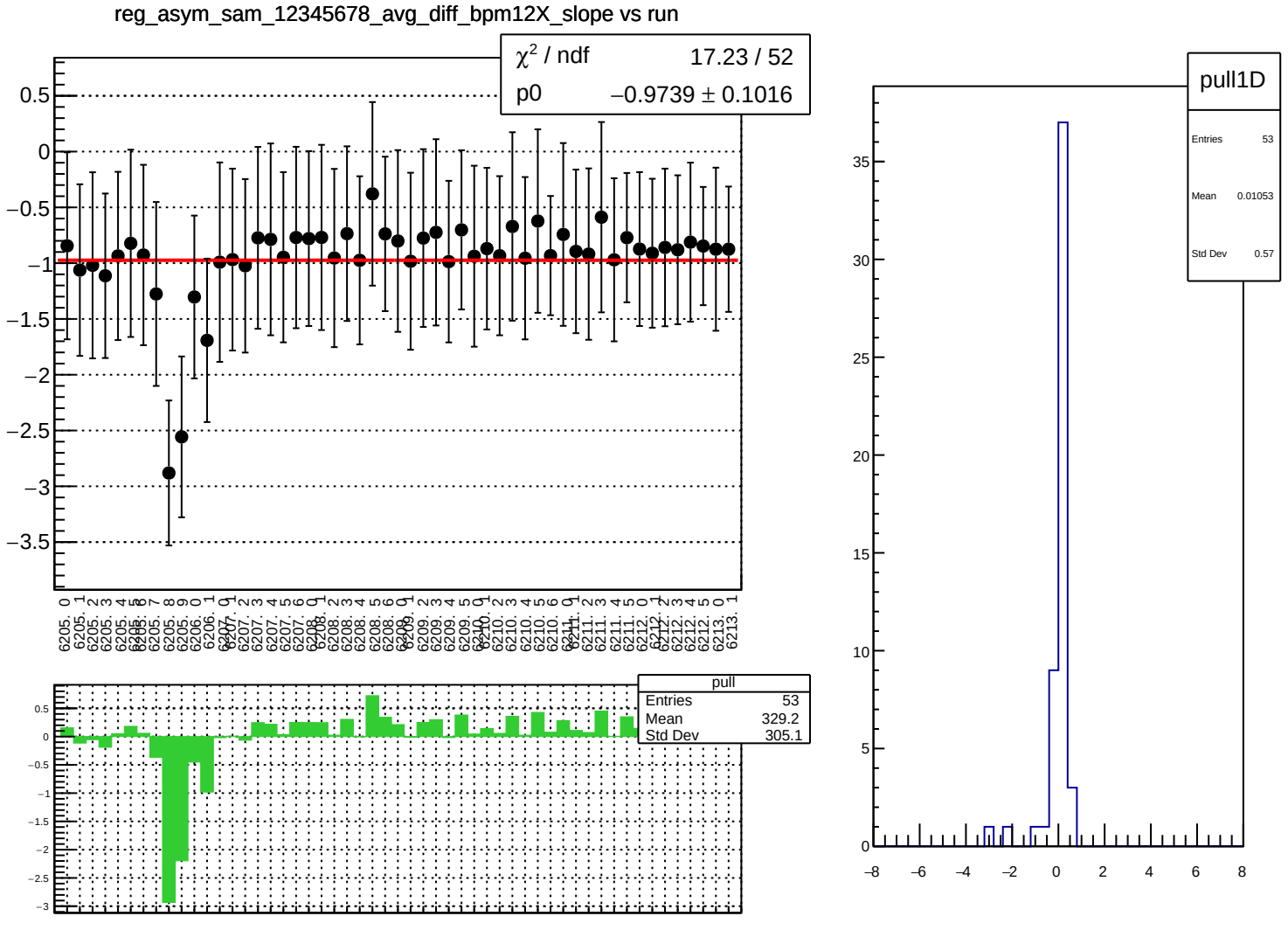

reg_asym_sam_12345678_avg_diff_bpm4aX_slope vs run
χ² / ndf 85.12 / 52
p0 −23.13 ± 2.129
pull
Entries 53
Mean 70.04
Std Dev 41.66
pull1D
Entries 53
Mean 0.1744
Std Dev 1.255

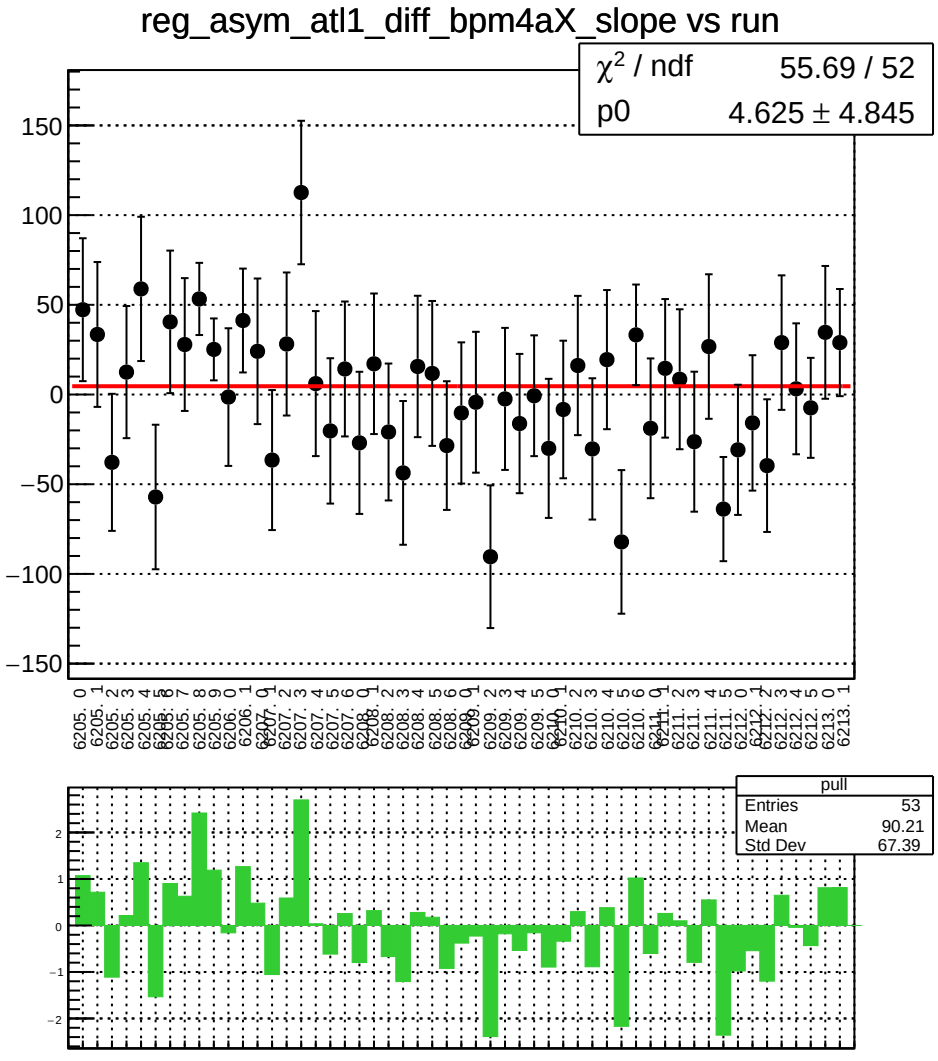

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.928 / 52
p0 −3.245 ± 1.231
pull
Entries 53
Mean −715.5
Std Dev 740.6

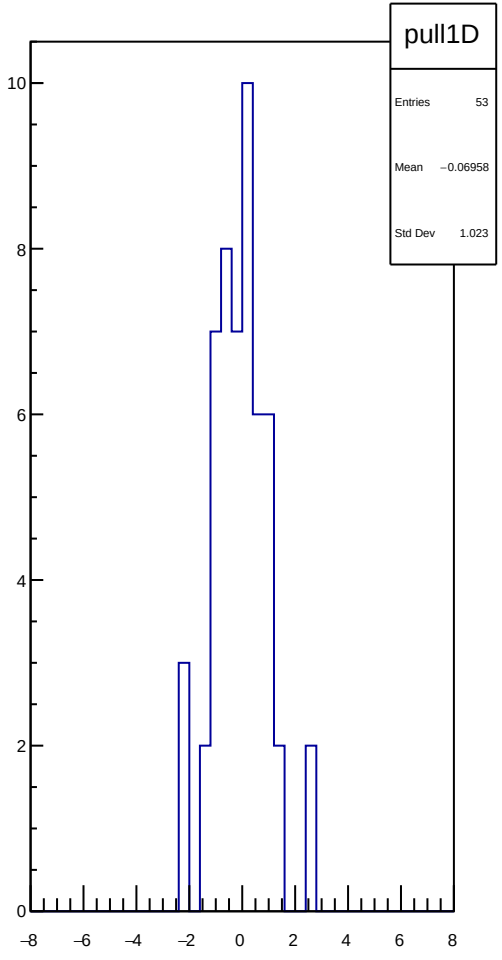

pull1D
Entries 53
Mean 0.001863
Std Dev 0.4328

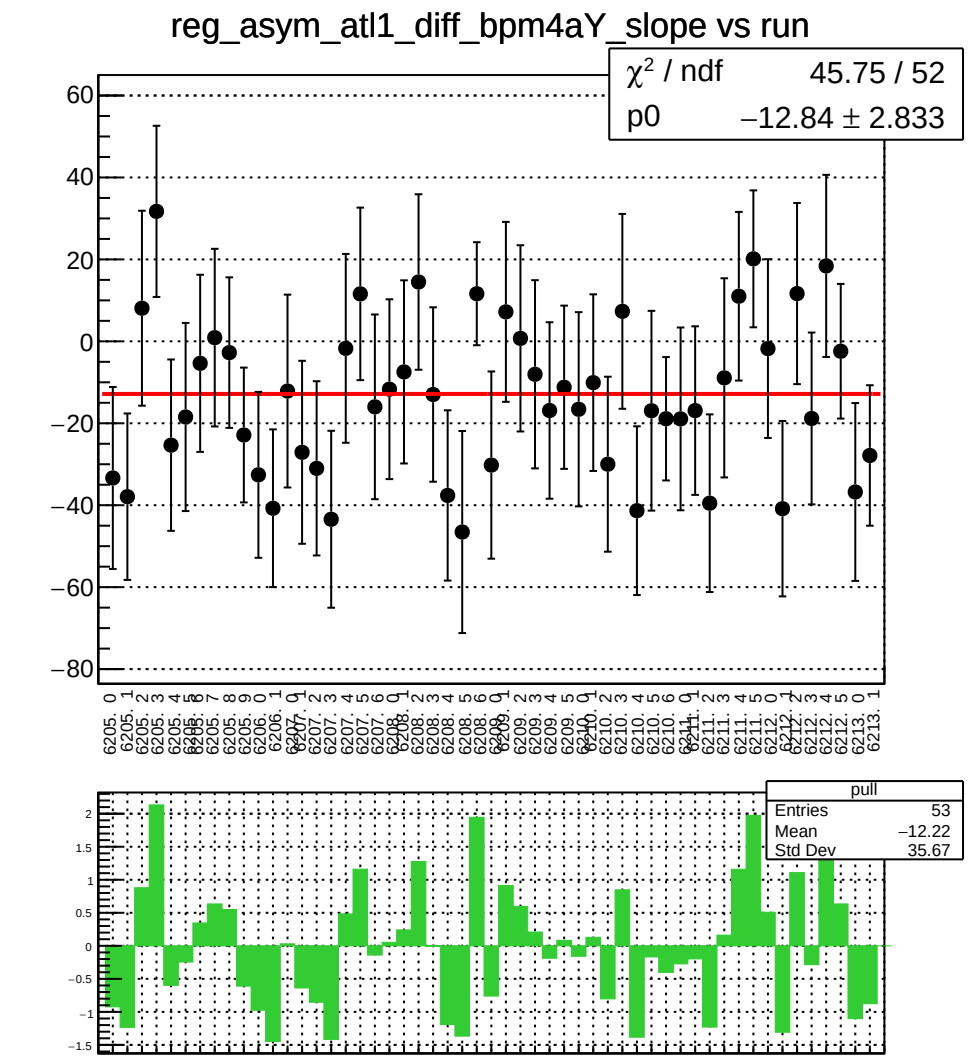

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 69.48 / 52
p0 −44.77 ± 2.346
pull
Entries 53
Mean 65.78
Std Dev 37.21
pull1D
Entries 53
Mean −0.1678
Std Dev 1.133

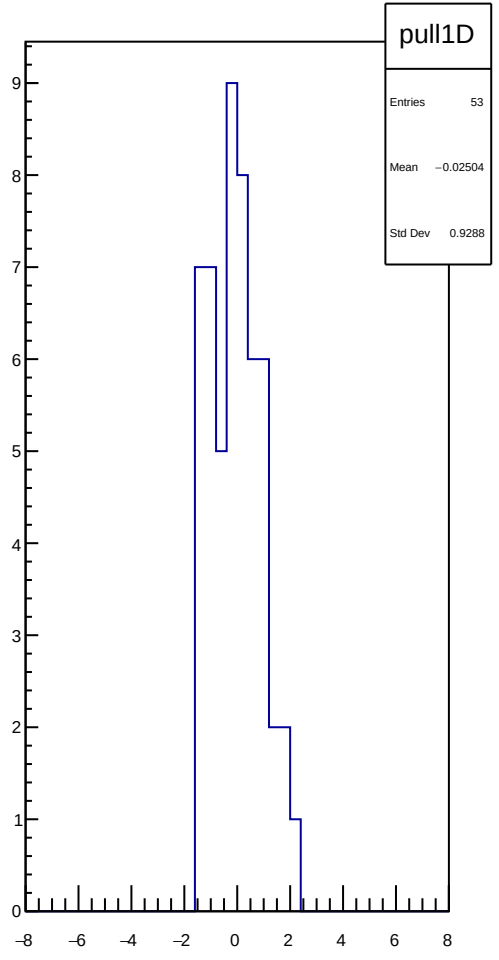

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.733 / 52
p0 42.28 ± 1.369
pull
Entries 53
Mean 314.6
Std Dev 286.5
pull1D
Entries 53
Mean 0.002183
Std Dev 0.382

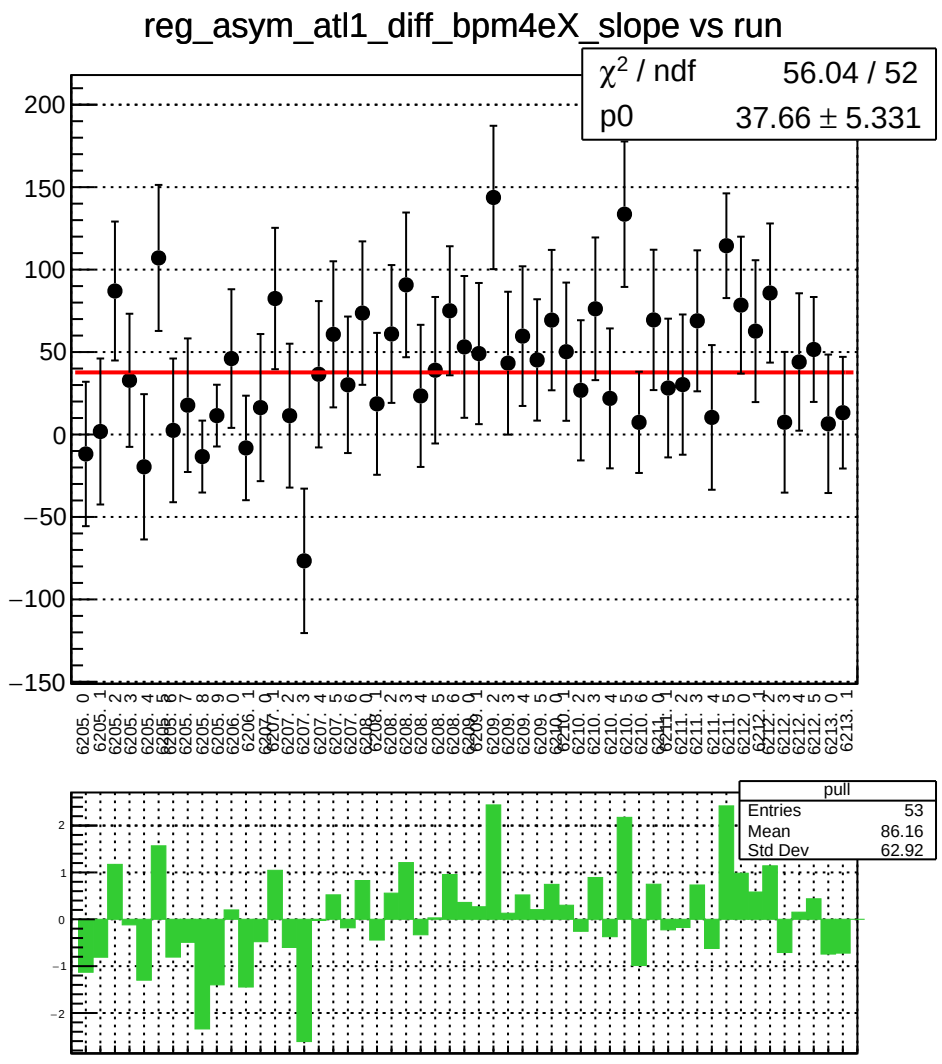

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 17.23 / 52
p0 −0.9739 ± 0.1016
pull
Entries 53
Mean 329.2
Std Dev 305.1
pull1D
Entries 53
Mean 0.01053
Std Dev 0.57

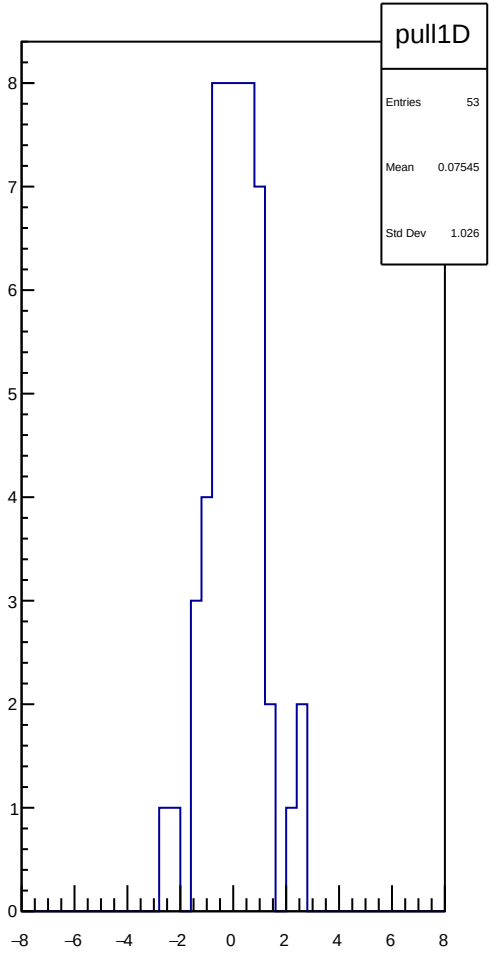

reg_asym_atl1_diff_bpm4aX_slope vs run
χ² / ndf 55.69 / 52
p0 4.625 ± 4.845
pull
Entries 53
Mean 90.21
Std Dev 67.39

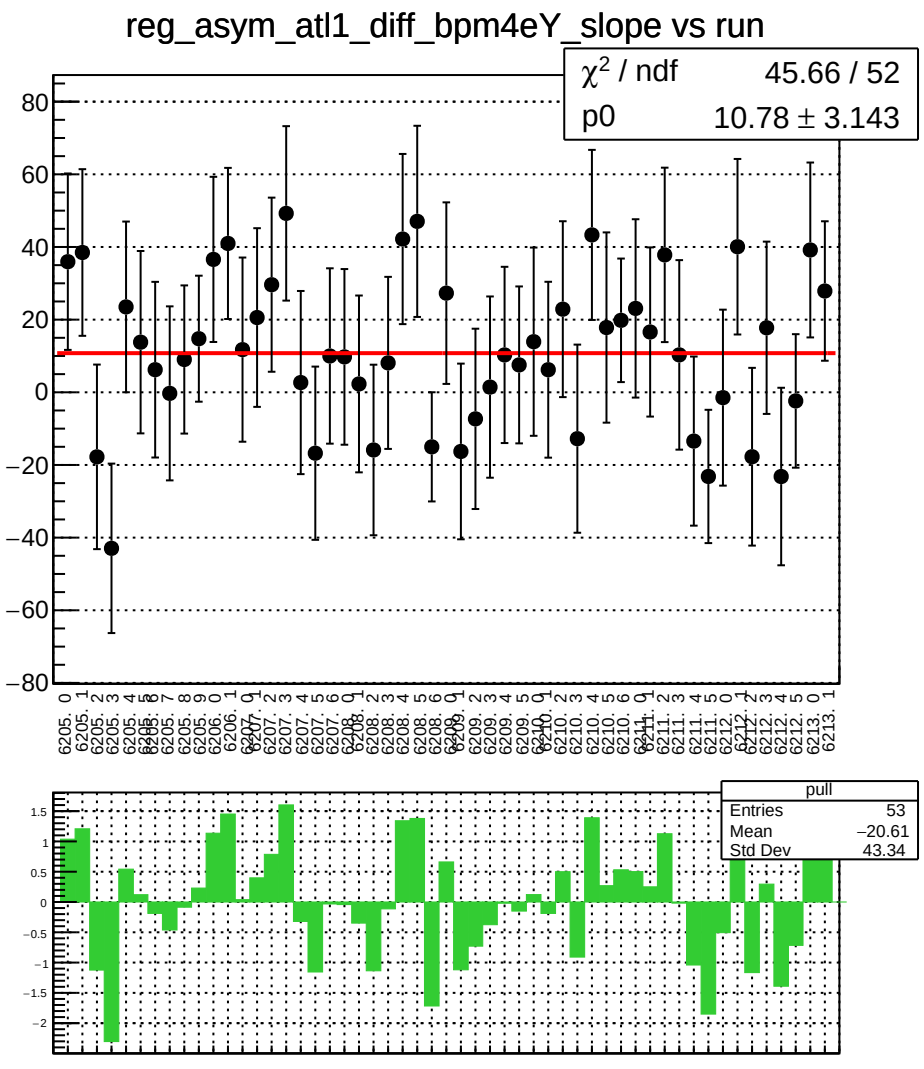

pull1D
Entries 53
Mean −0.06958
Std Dev 1.023

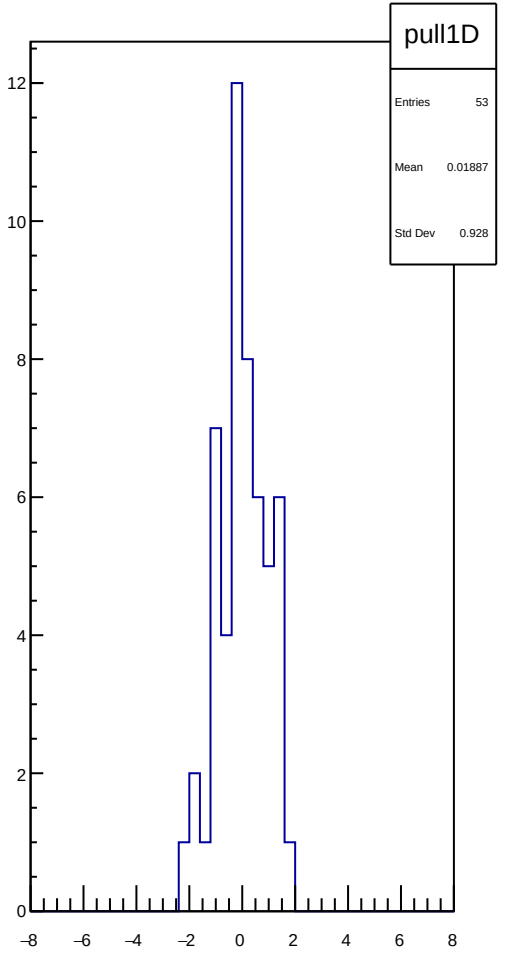

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 45.75 / 52
p0 −12.84 ± 2.833
pull
Entries 53
Mean −12.22
Std Dev 35.67

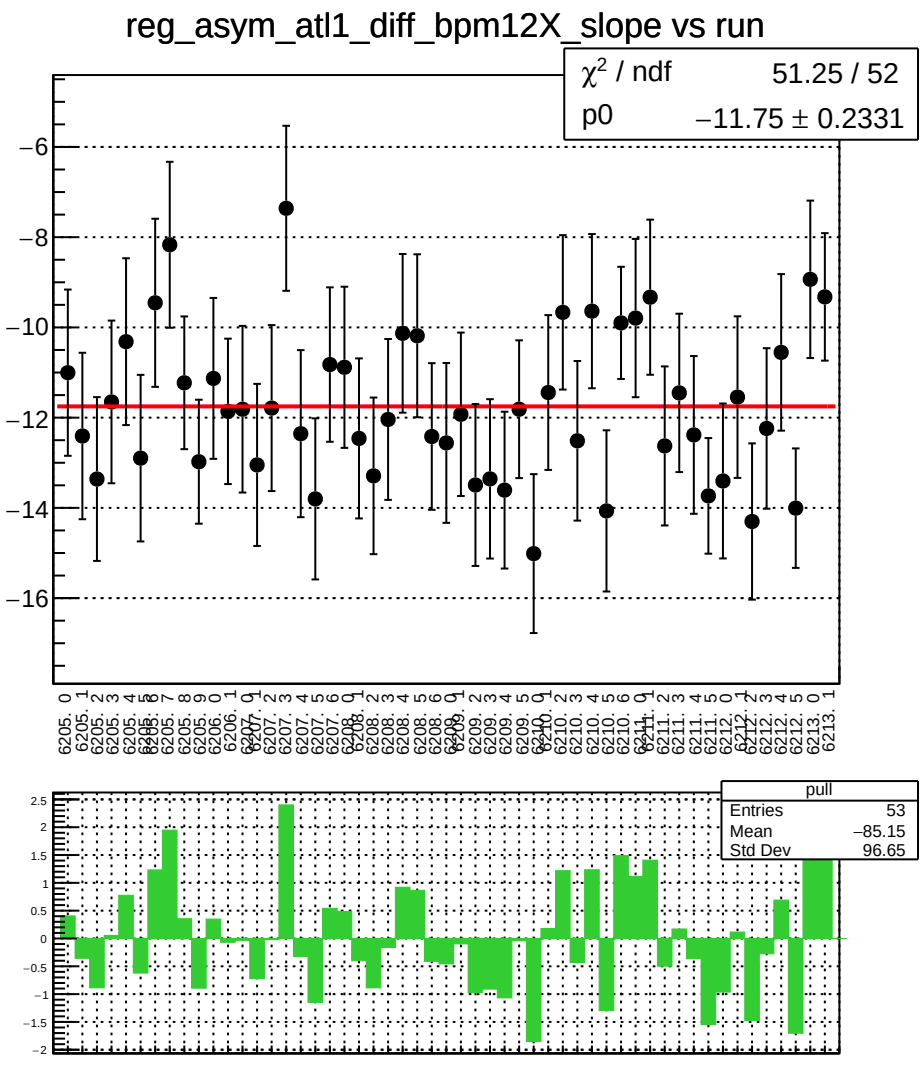

pull1D
Entries 53
Mean −0.02504
Std Dev 0.9288

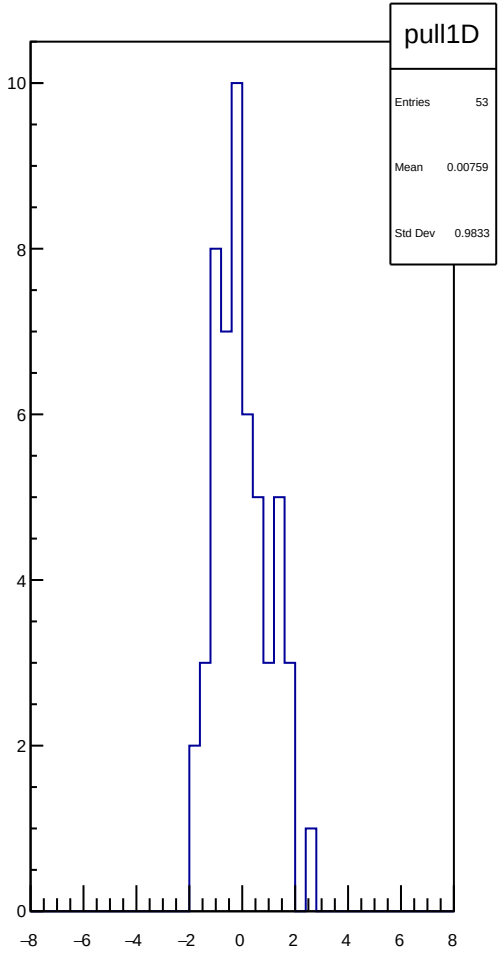

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 56.04 / 52
p0 37.66 ± 5.331
pull
Entries 53
Mean 86.16
Std Dev 62.92

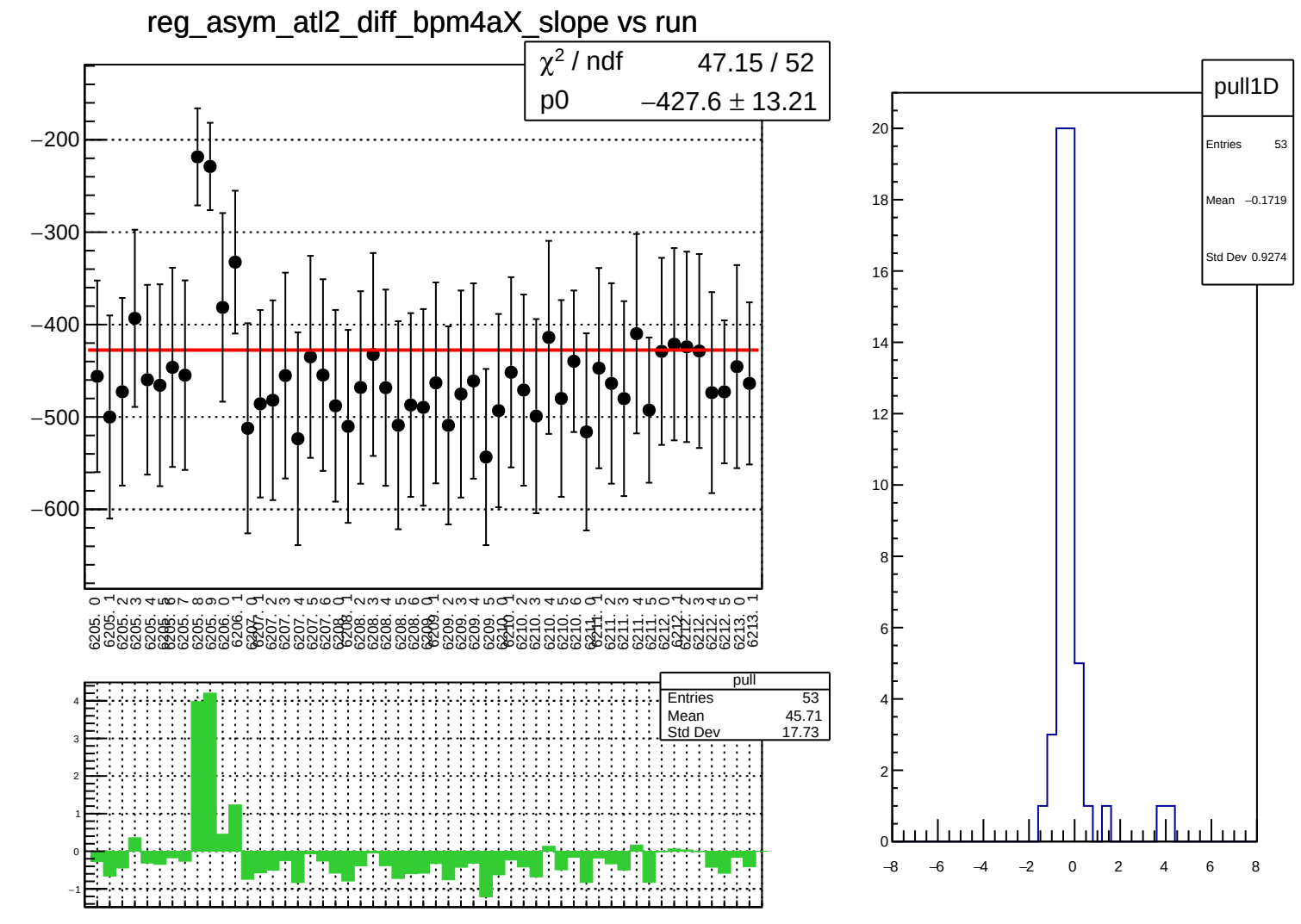

pull1D
Entries 53
Mean 0.07545
Std Dev 1.026

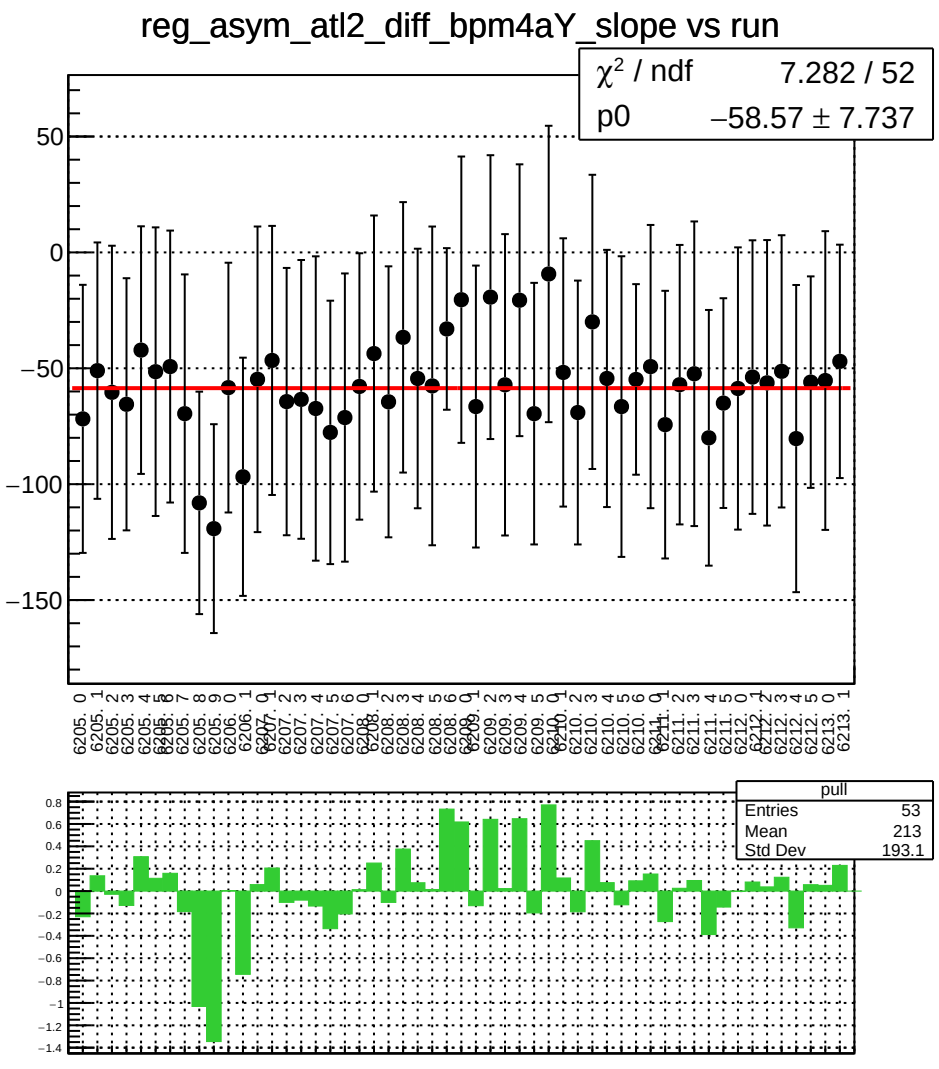

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 45.66 / 52
p0 10.78 ± 3.143
pull
Entries 53
Mean −20.61
Std Dev 43.34

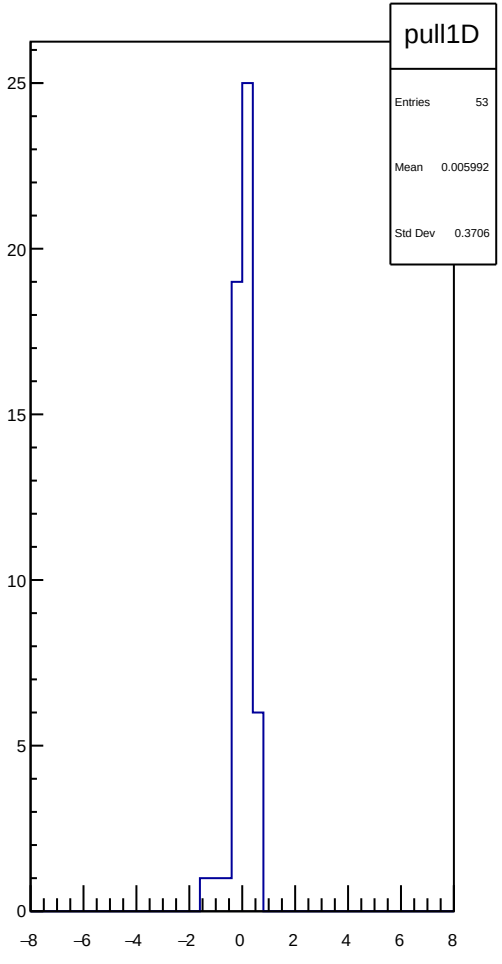

pull1D
Entries 53
Mean 0.01887
Std Dev 0.928

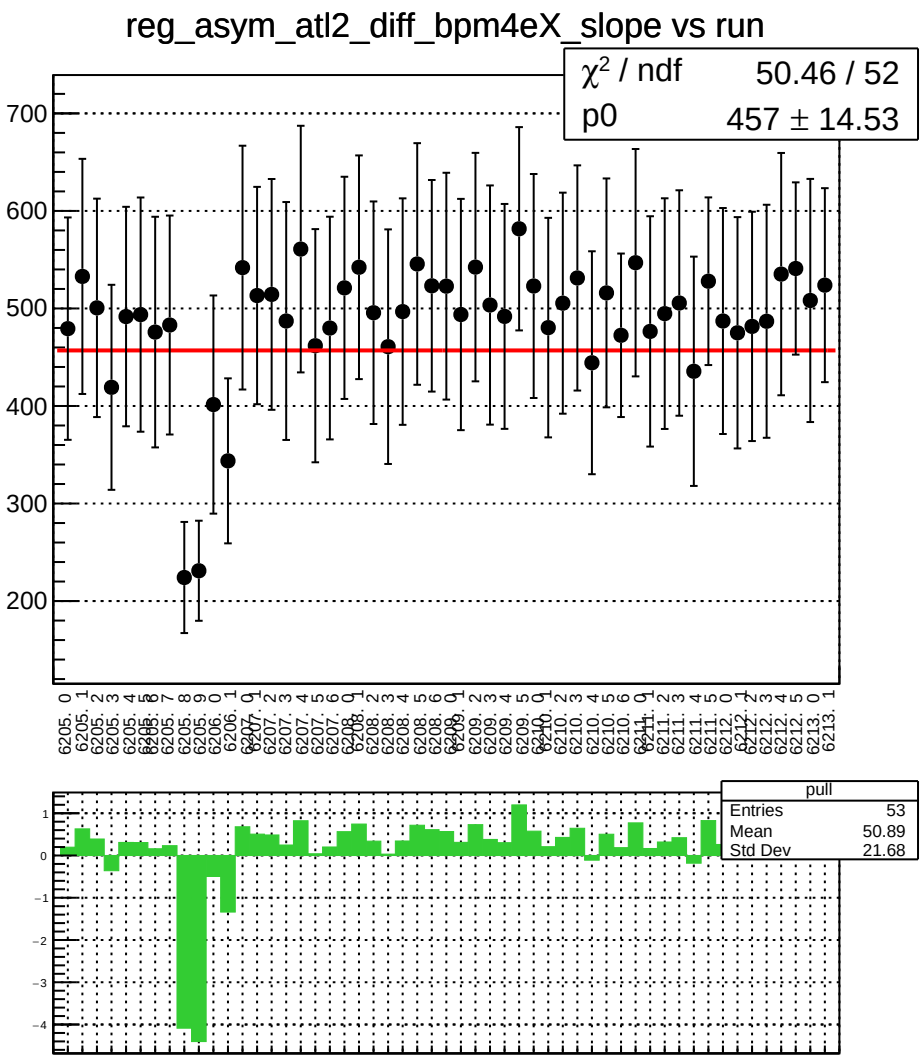

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 51.25 / 52
p0 −11.75 ± 0.2331
pull
Entries 53
Mean −85.15
Std Dev 96.65

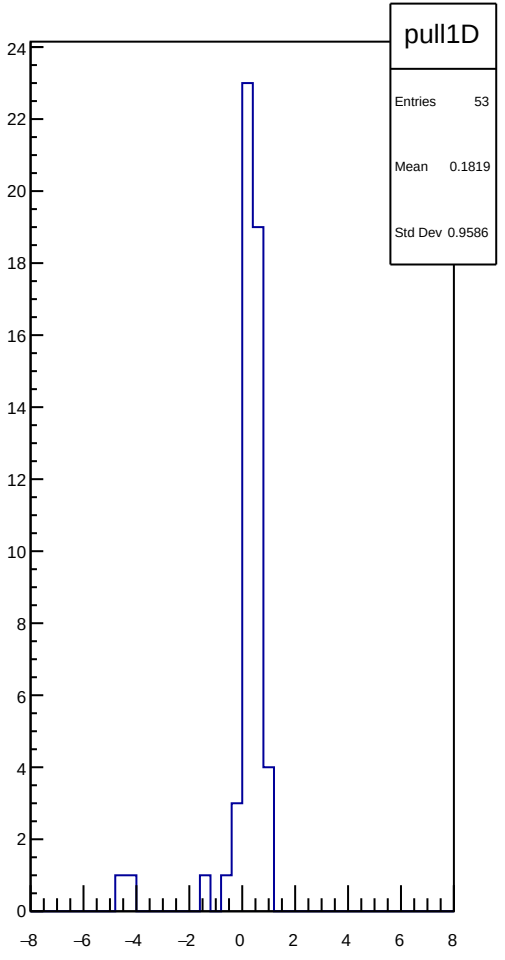

pull1D
Entries 53
Mean 0.00759
Std Dev 0.9833

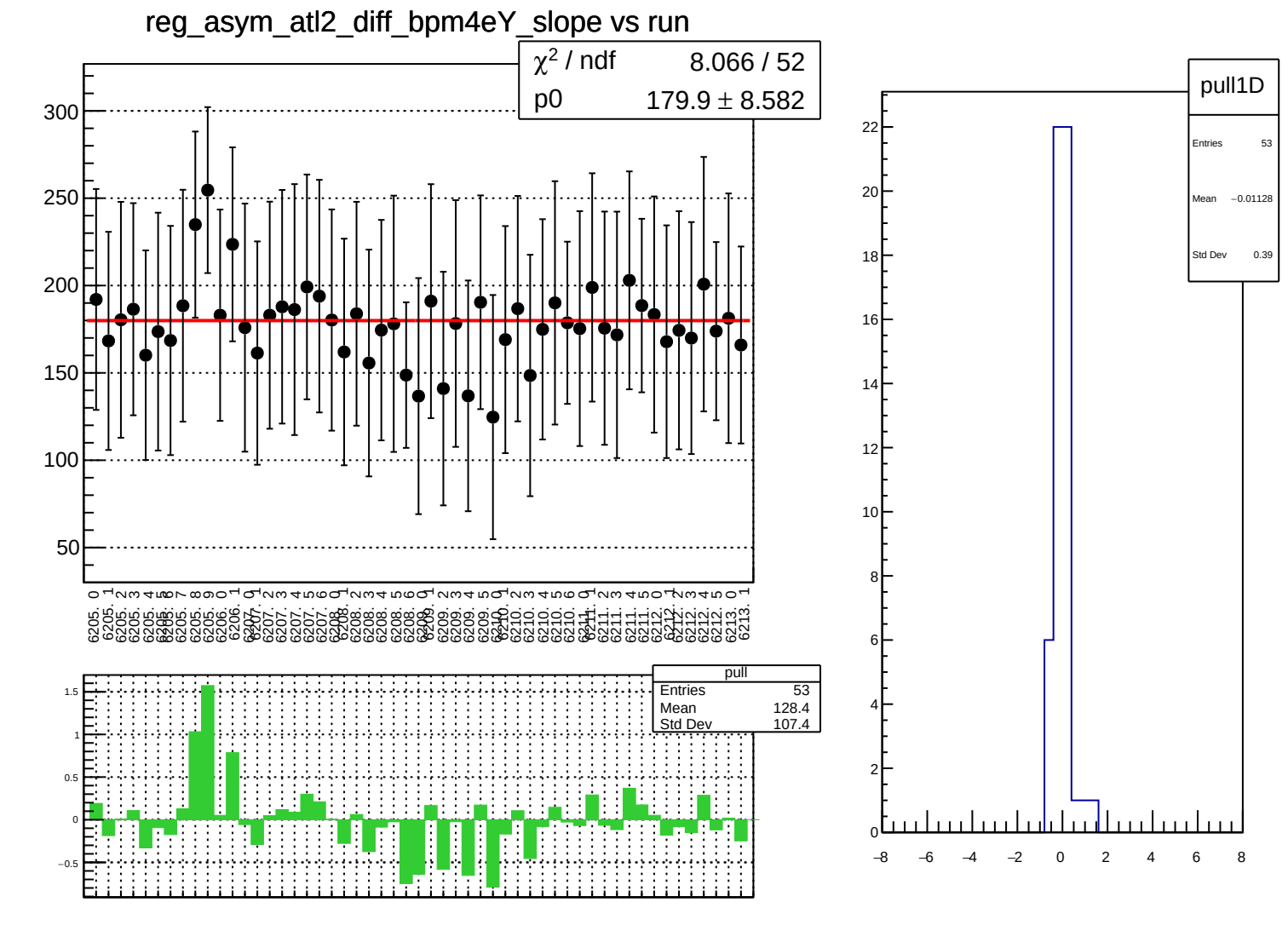

reg_asym_atl2_diff_bpm4aX_slope vs run
χ² / ndf 47.15 / 52
p0 −427.6 ± 13.21
pull
Entries 53
Mean 45.71
Std Dev 17.73
pull1D
Entries 53
Mean −0.1719
Std Dev 0.9274

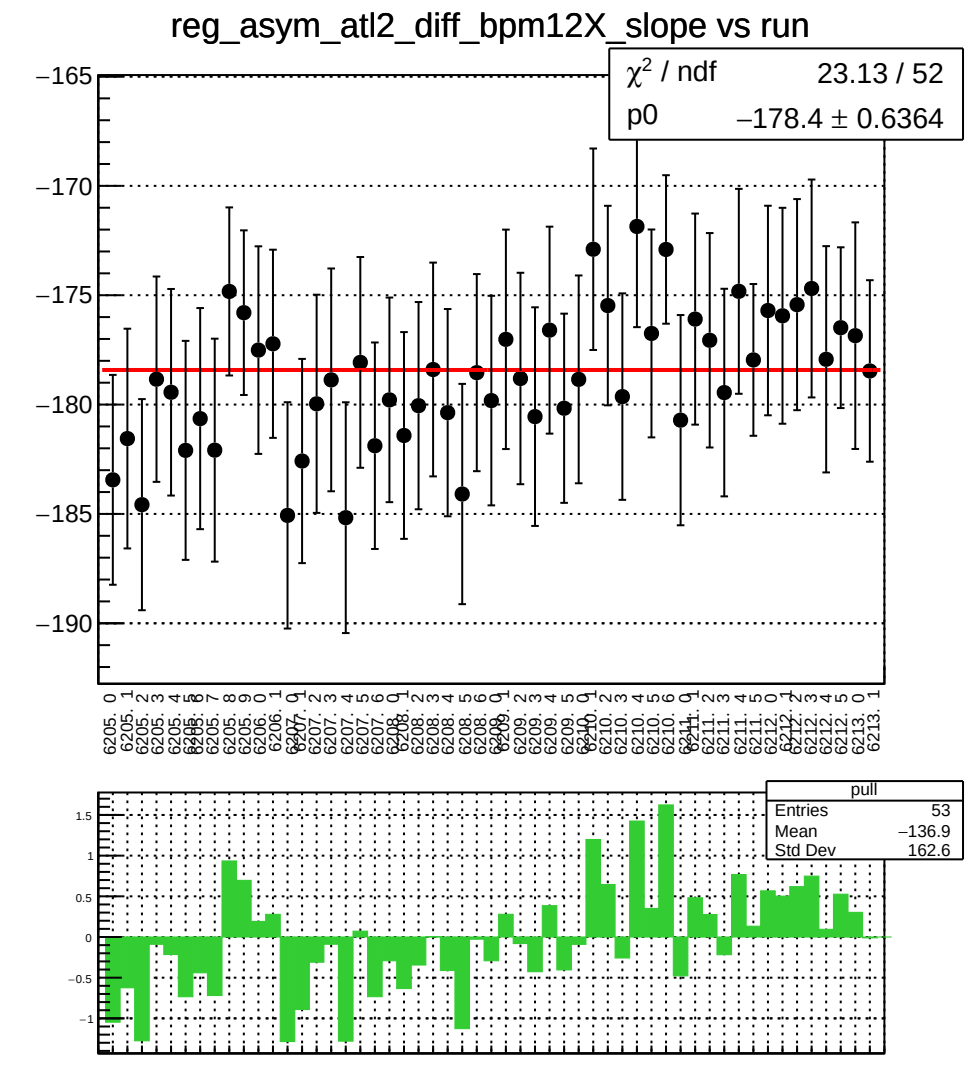

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 7.282 / 52
p0 −58.57 ± 7.737
pull
Entries 53
Mean 213
Std Dev 193.1

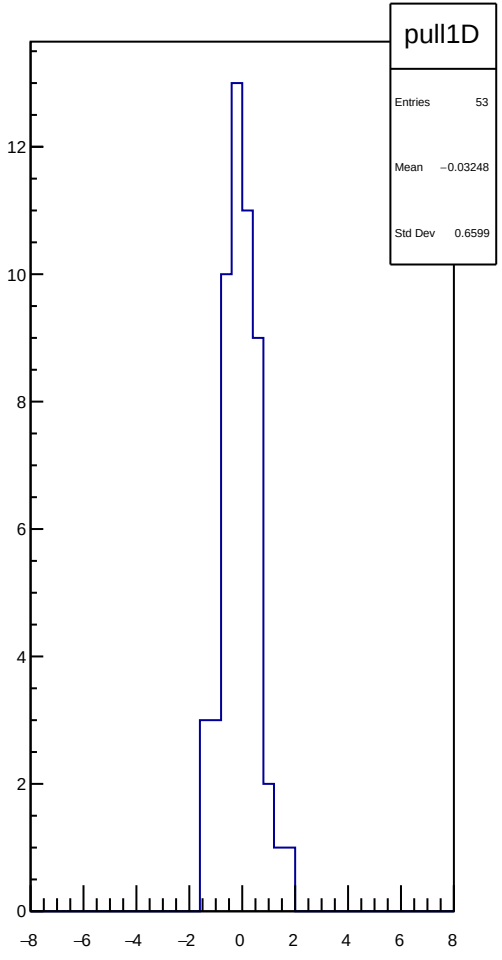

pull1D
Entries 53
Mean 0.005992
Std Dev 0.3706

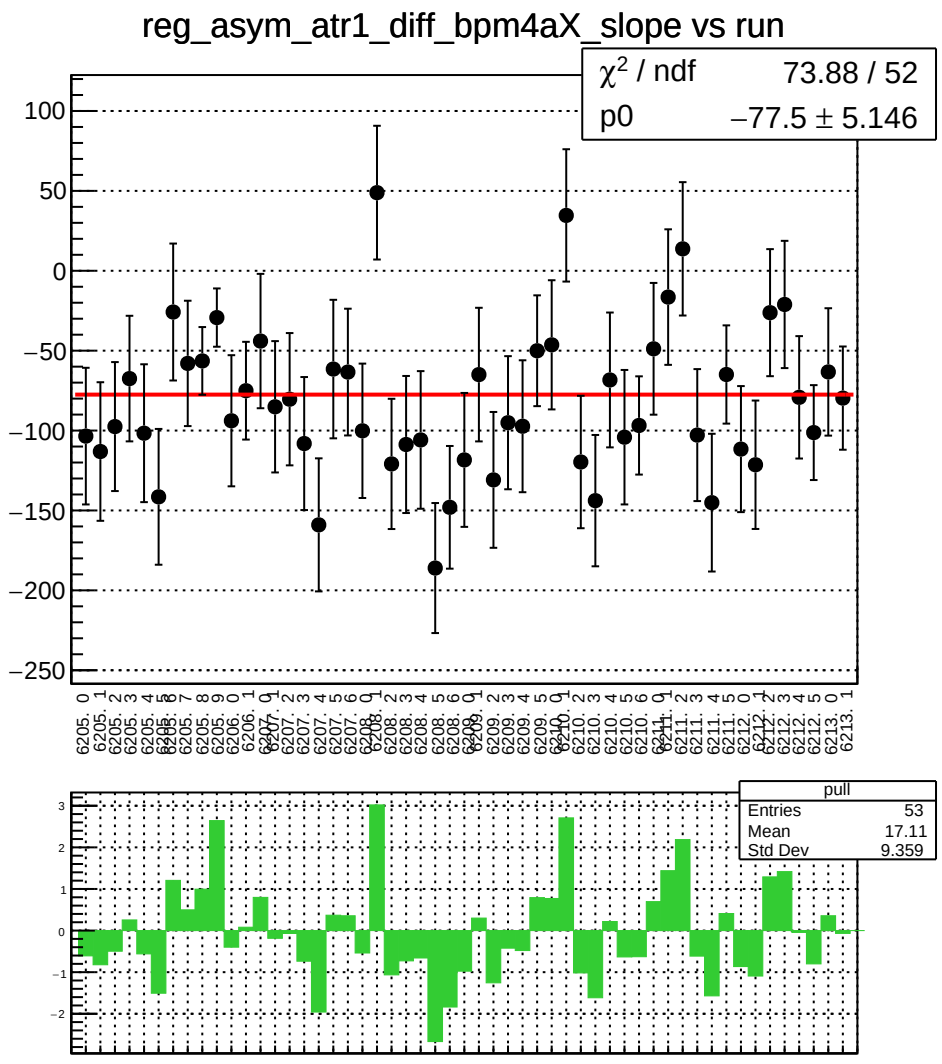

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 50.46 / 52
p0 457 ± 14.53
pull
Entries 53
Mean 50.89
Std Dev 21.68

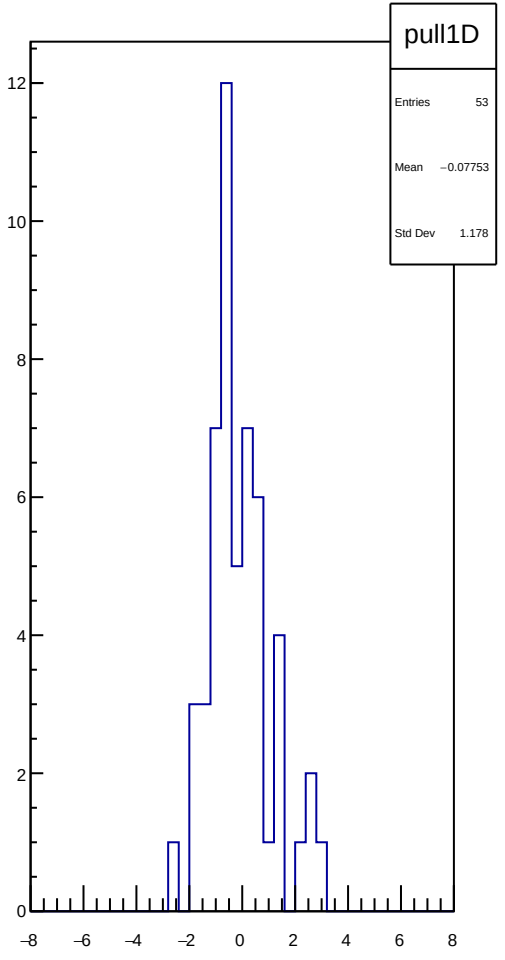

pull1D
Entries 53
Mean 0.1819
Std Dev 0.9586

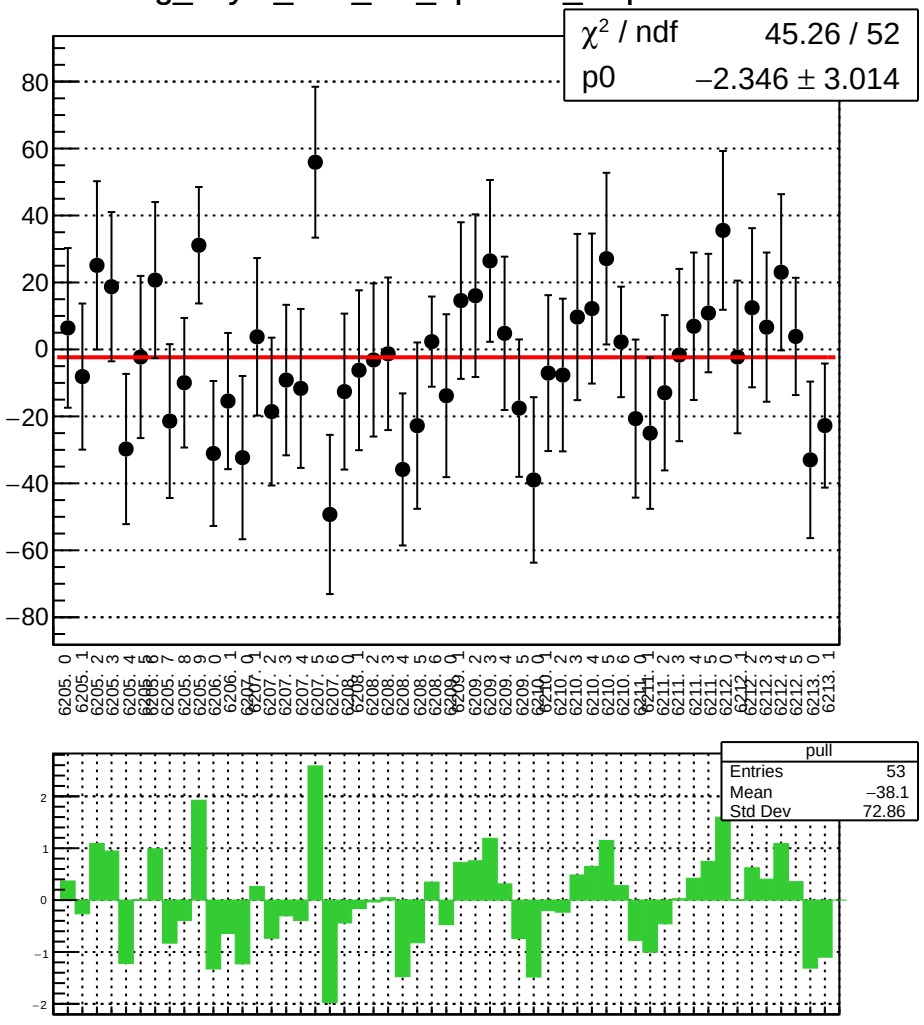

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 8.066 / 52
p0 179.9 ± 8.582
pull
Entries 53
Mean 128.4
Std Dev 107.4
pull1D
Entries 53
Mean −0.01128
Std Dev 0.39

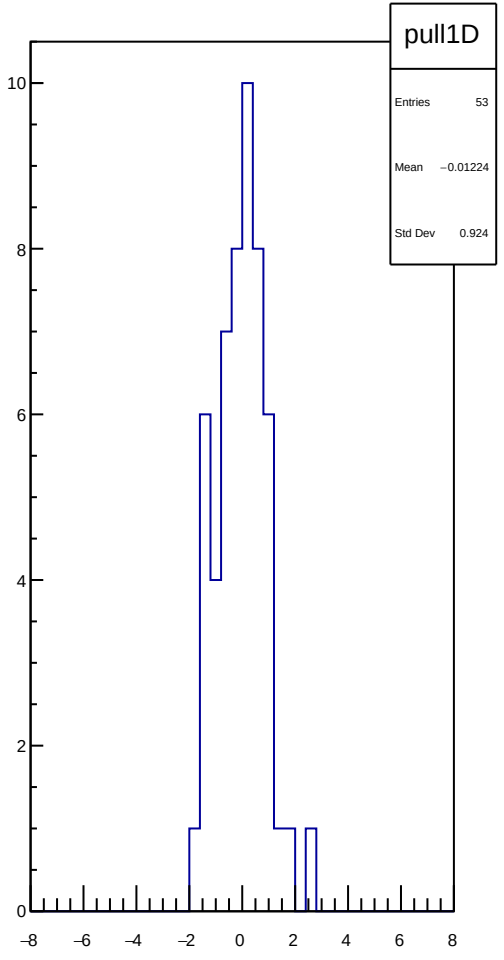

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 23.13 / 52
p0 −178.4 ± 0.6364
pull
Entries 53
Mean −136.9
Std Dev 162.6

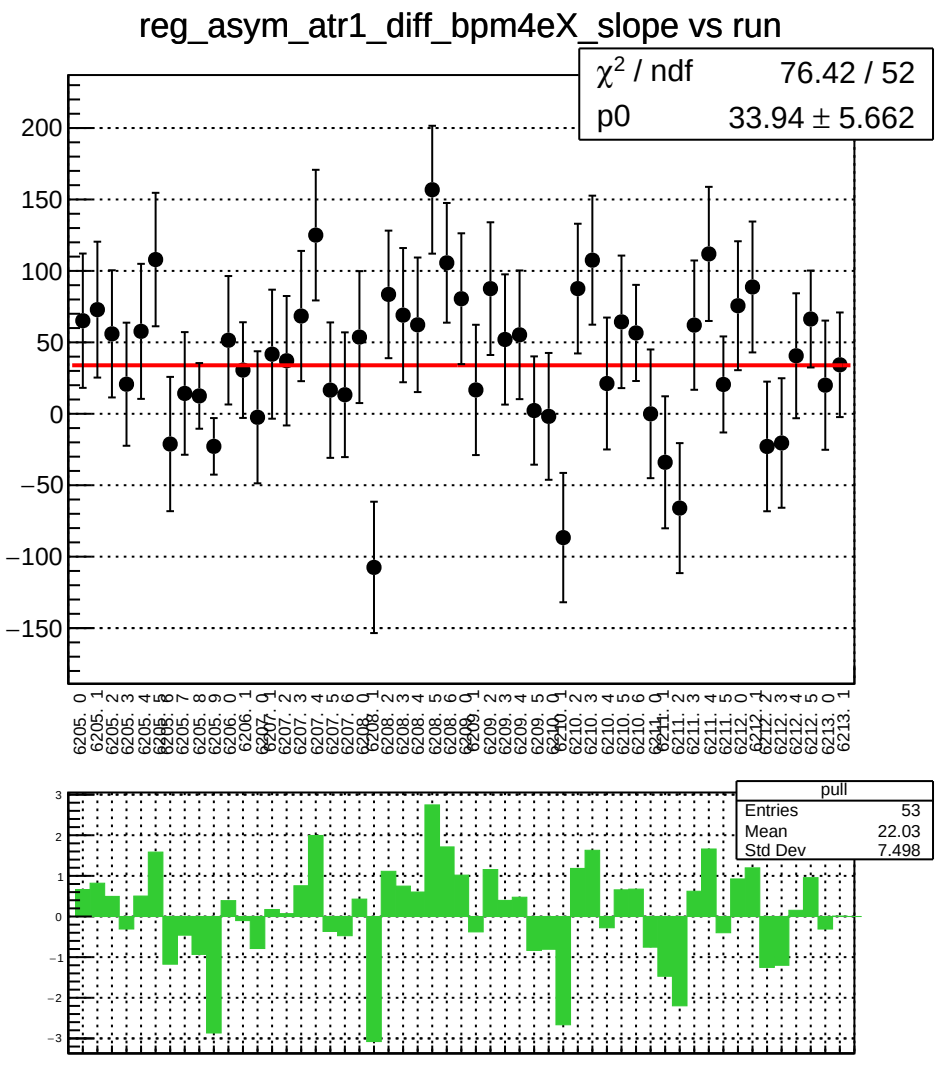

pull1D
Entries 53
Mean −0.03248
Std Dev 0.6599

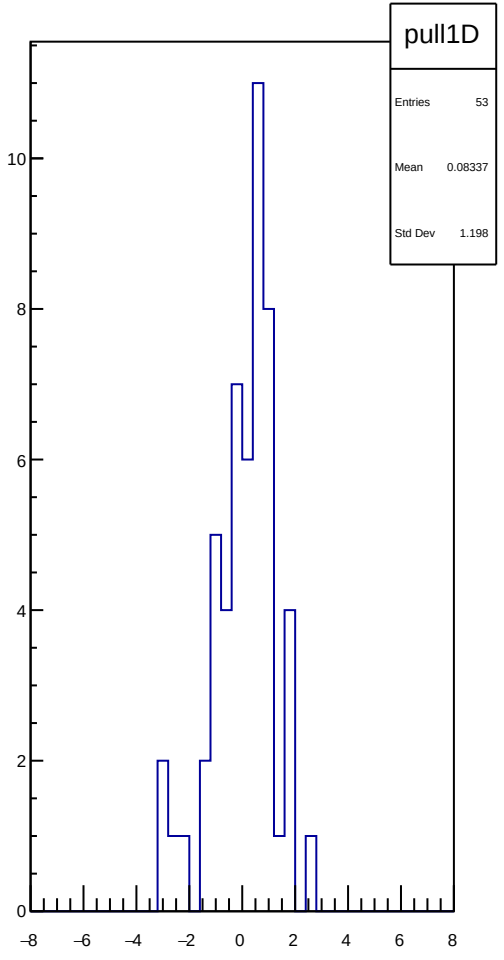

reg_asym_atr1_diff_bpm4aX_slope vs run
χ² / ndf 73.88 / 52
p0 −77.5 ± 5.146
pull
Entries 53
Mean 17.11
Std Dev 9.359

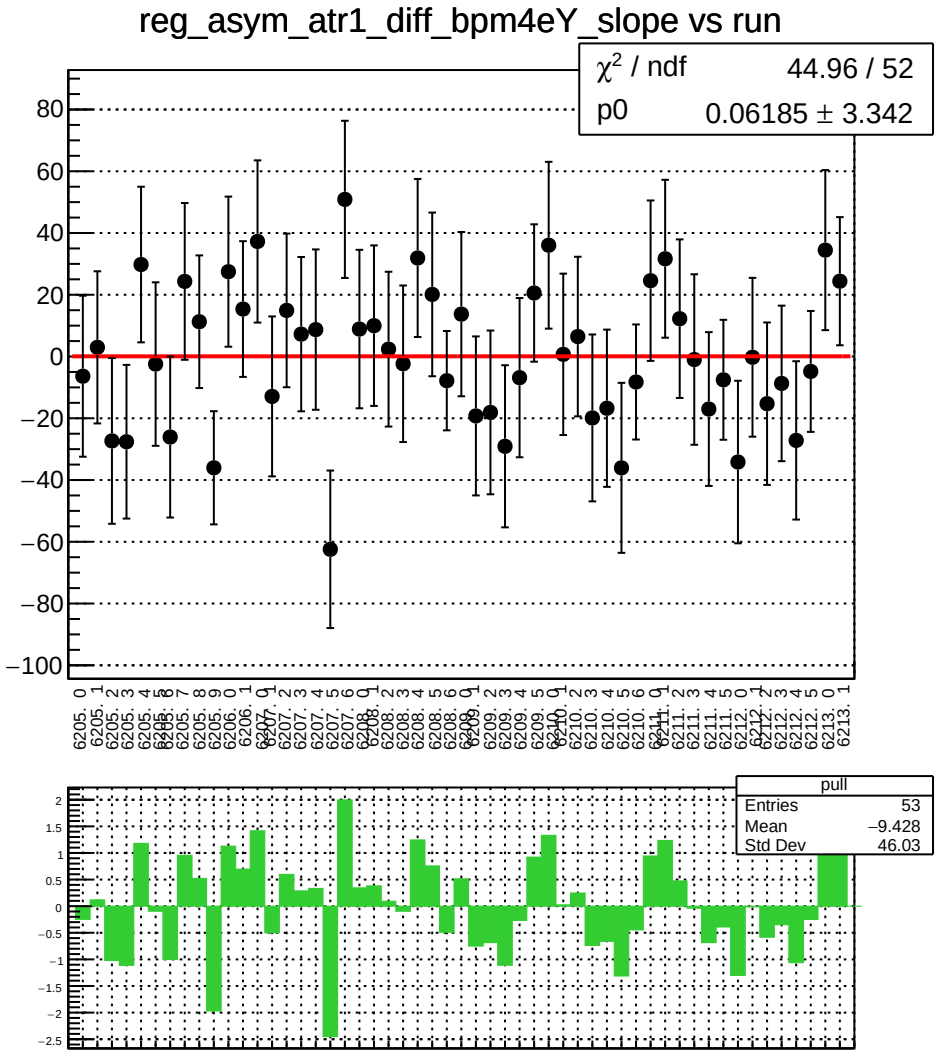

pull1D
Entries 53
Mean −0.07753
Std Dev 1.178

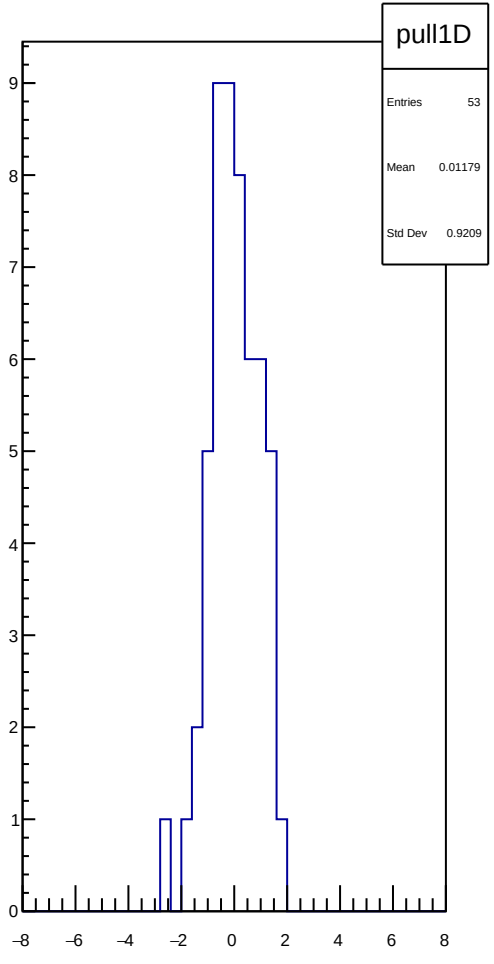

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 45.26 / 52
p0 −2.346 ± 3.014
pull
Entries 53
Mean −38.1
Std Dev 72.86

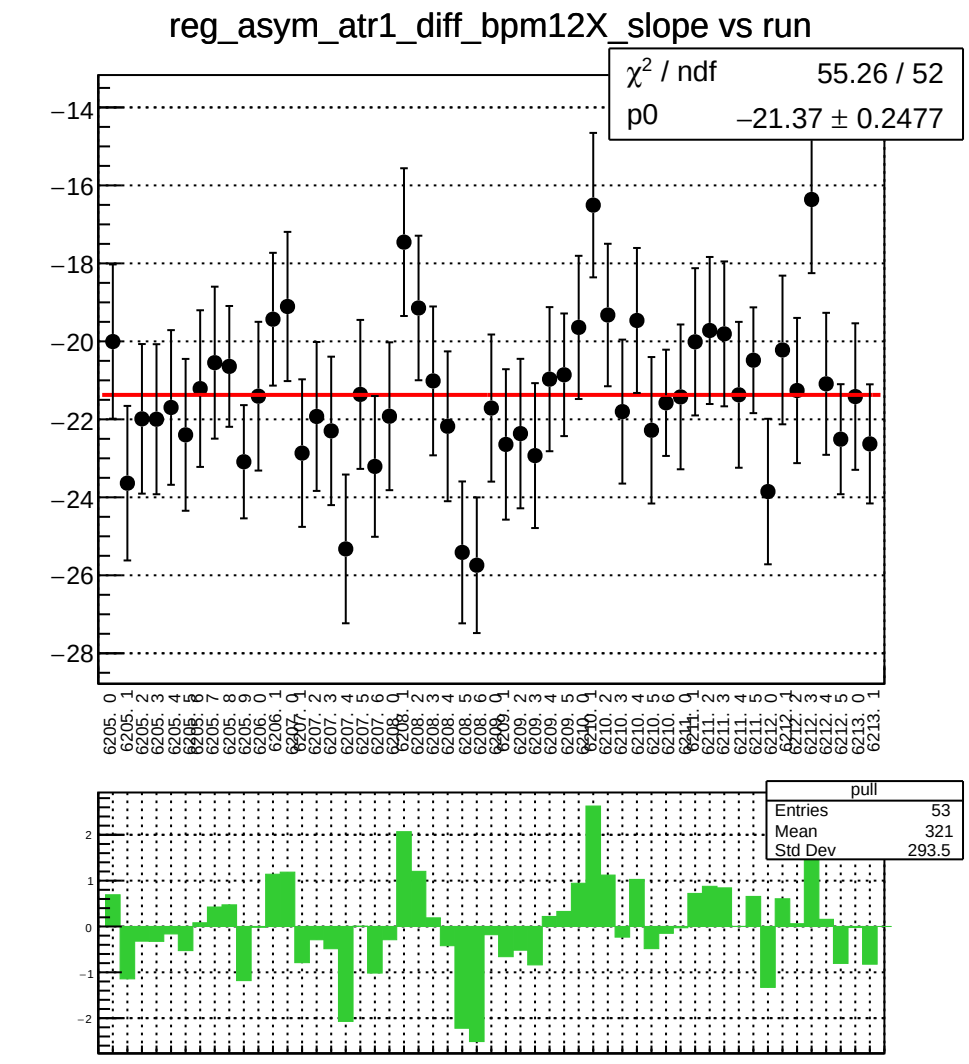

pull1D
Entries 53
Mean −0.01224
Std Dev 0.924

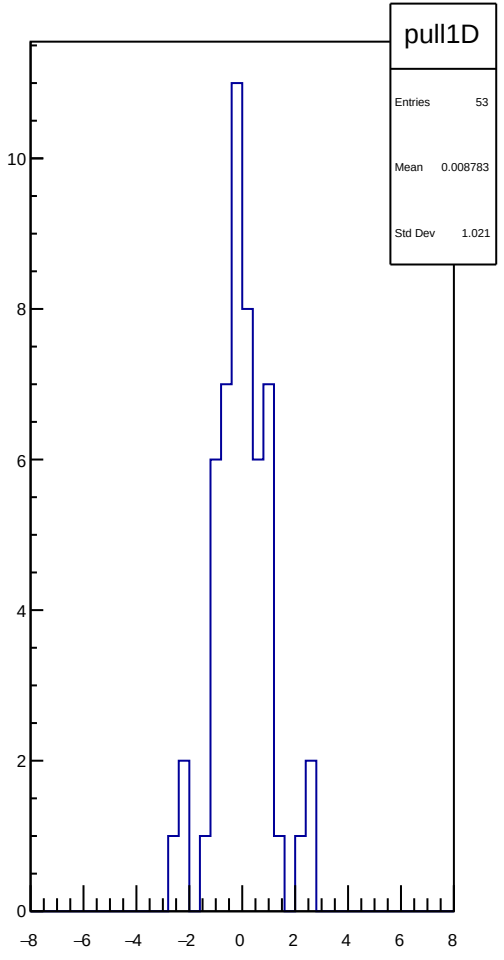

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 76.42 / 52
p0 33.94 ± 5.662
pull
Entries 53
Mean 22.03
Std Dev 7.498

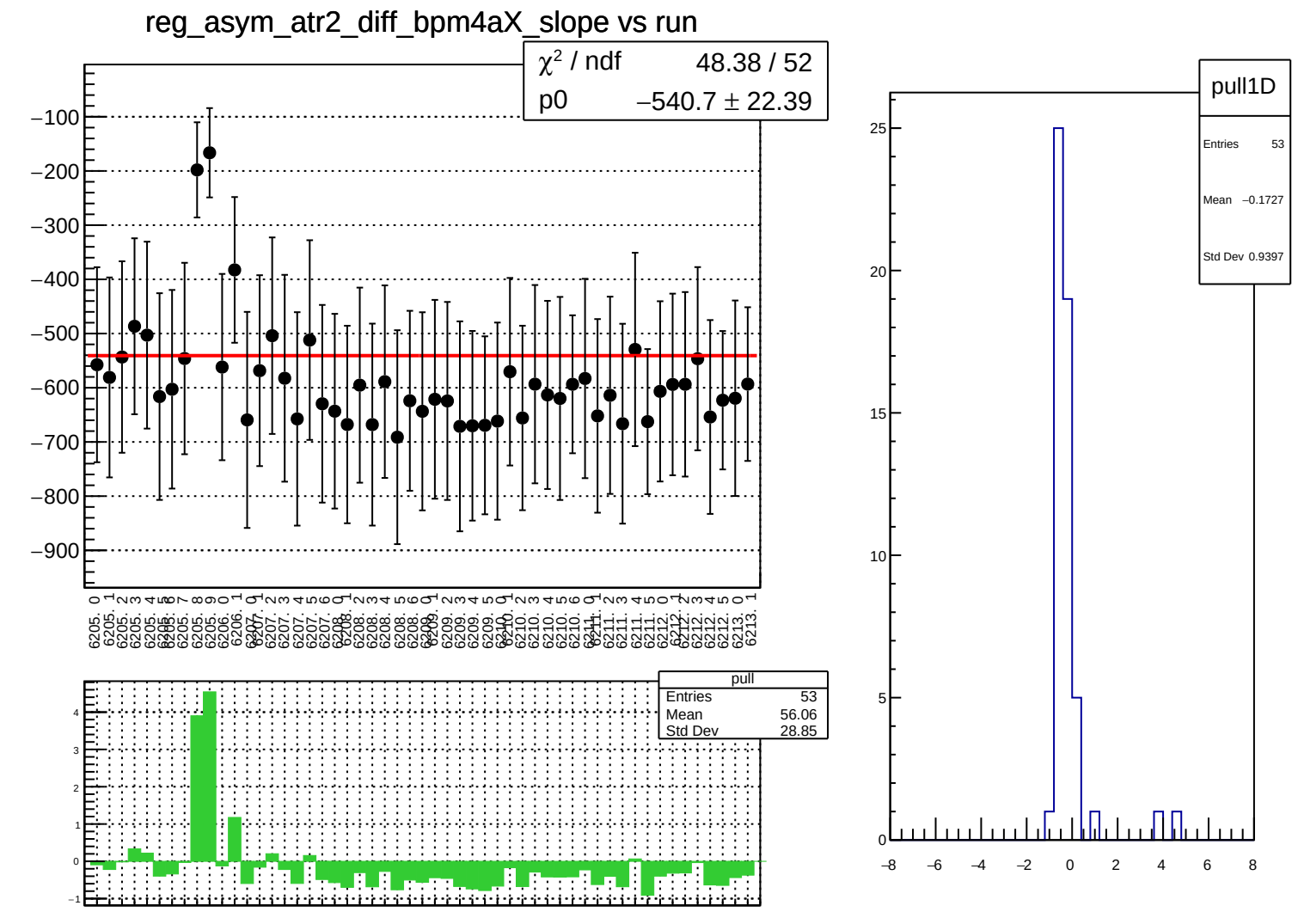

pull1D
Entries 53
Mean 0.08337
Std Dev 1.198

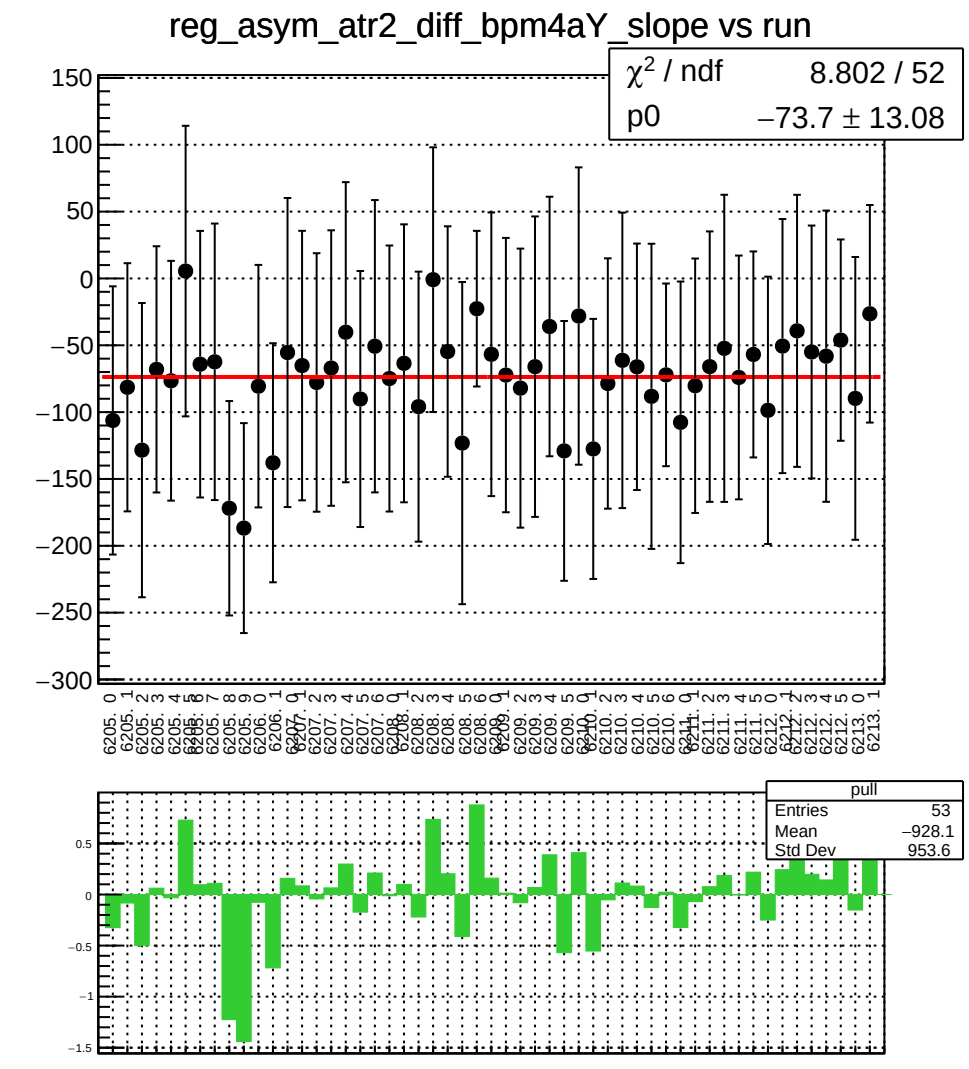

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 44.96 / 52
p0 0.06185 ± 3.342
pull
Entries 53
Mean −9.428
Std Dev 46.03

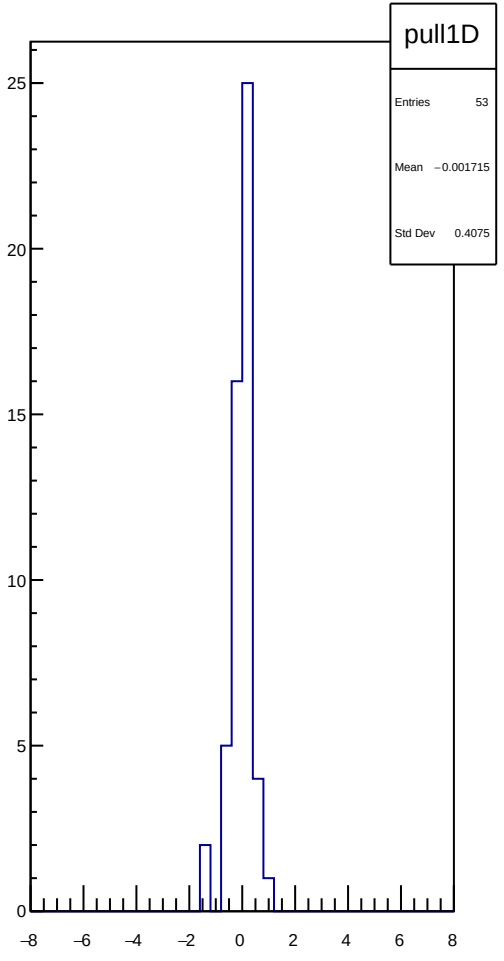

pull1D
Entries 53
Mean 0.01179
Std Dev 0.9209

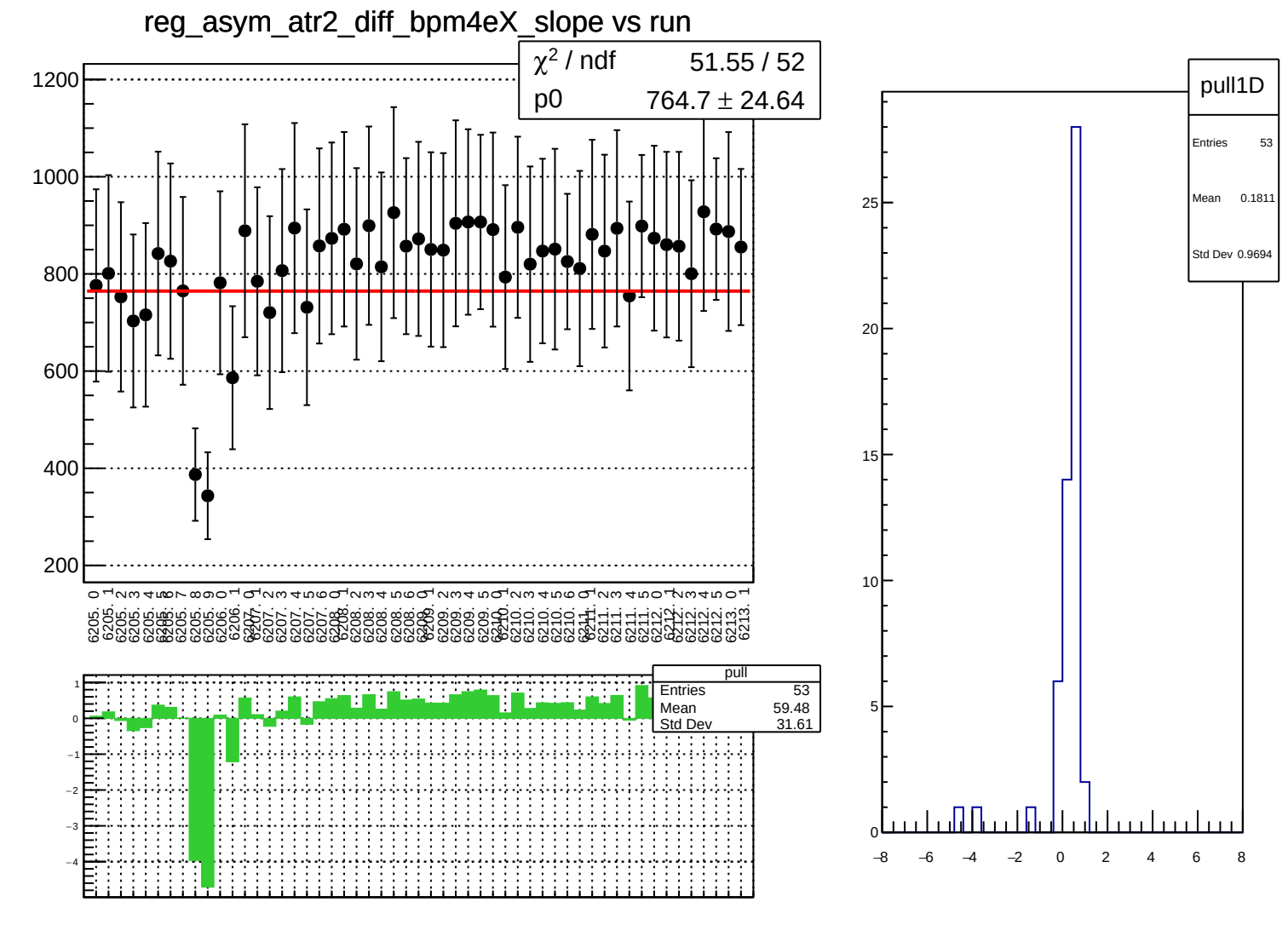

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 55.26 / 52
p0 −21.37 ± 0.2477
pull
Entries 53
Mean 321
Std Dev 293.5

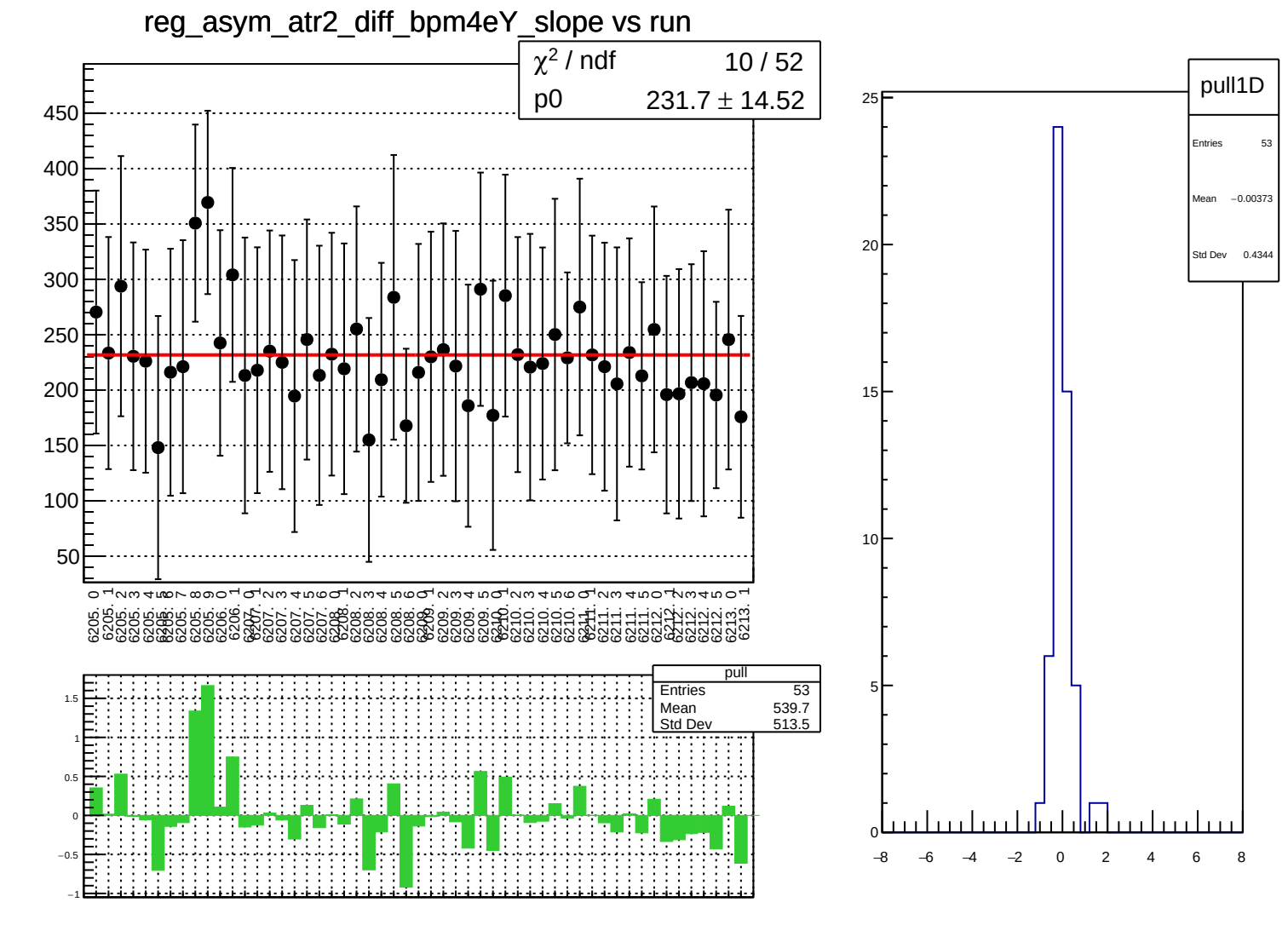

pull1D
Entries 53
Mean 0.008783
Std Dev 1.021

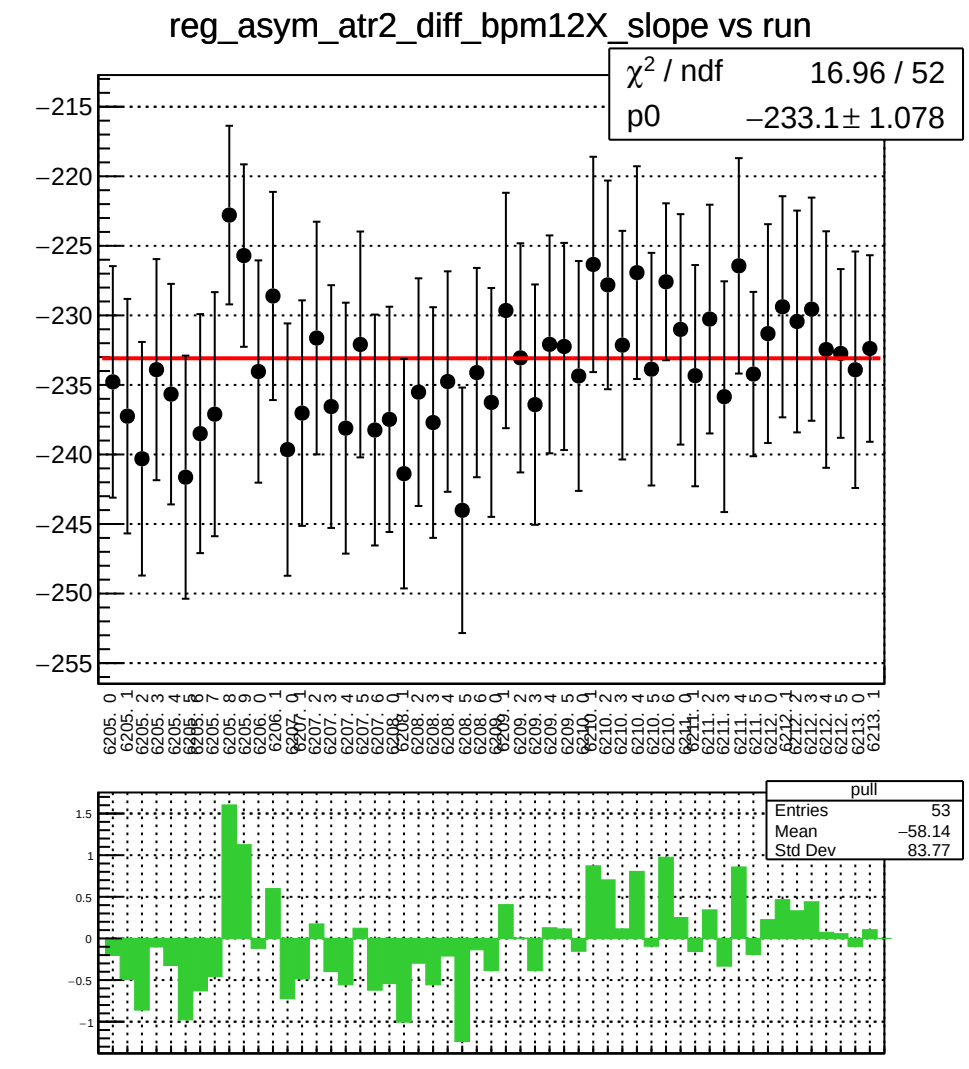

reg_asym_atr2_diff_bpm4aX_slope vs run
χ² / ndf 48.38 / 52
p0 −540.7 ± 22.39
pull
Entries 53
Mean 56.06
Std Dev 28.85
pull1D
Entries 53
Mean −0.1727
Std Dev 0.9397

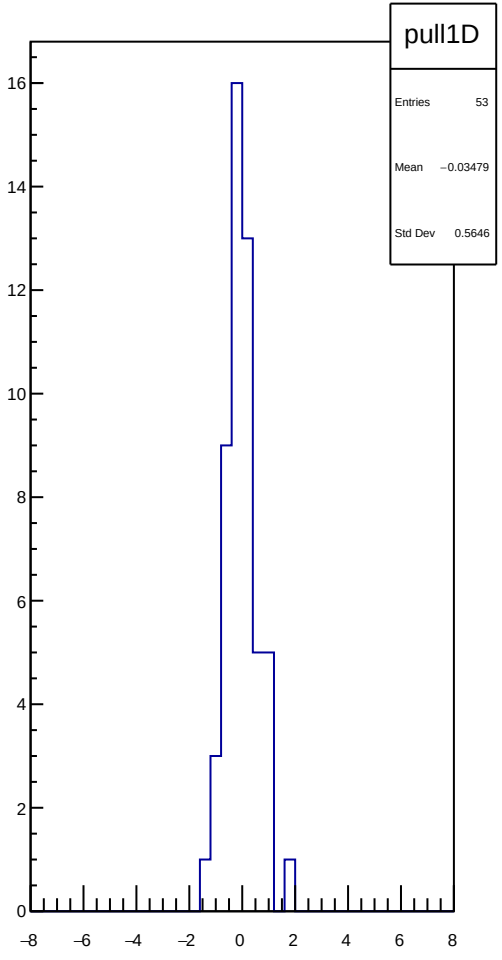

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 8.802 / 52
p0 −73.7 ± 13.08
pull
Entries 53
Mean −928.1
Std Dev 953.6

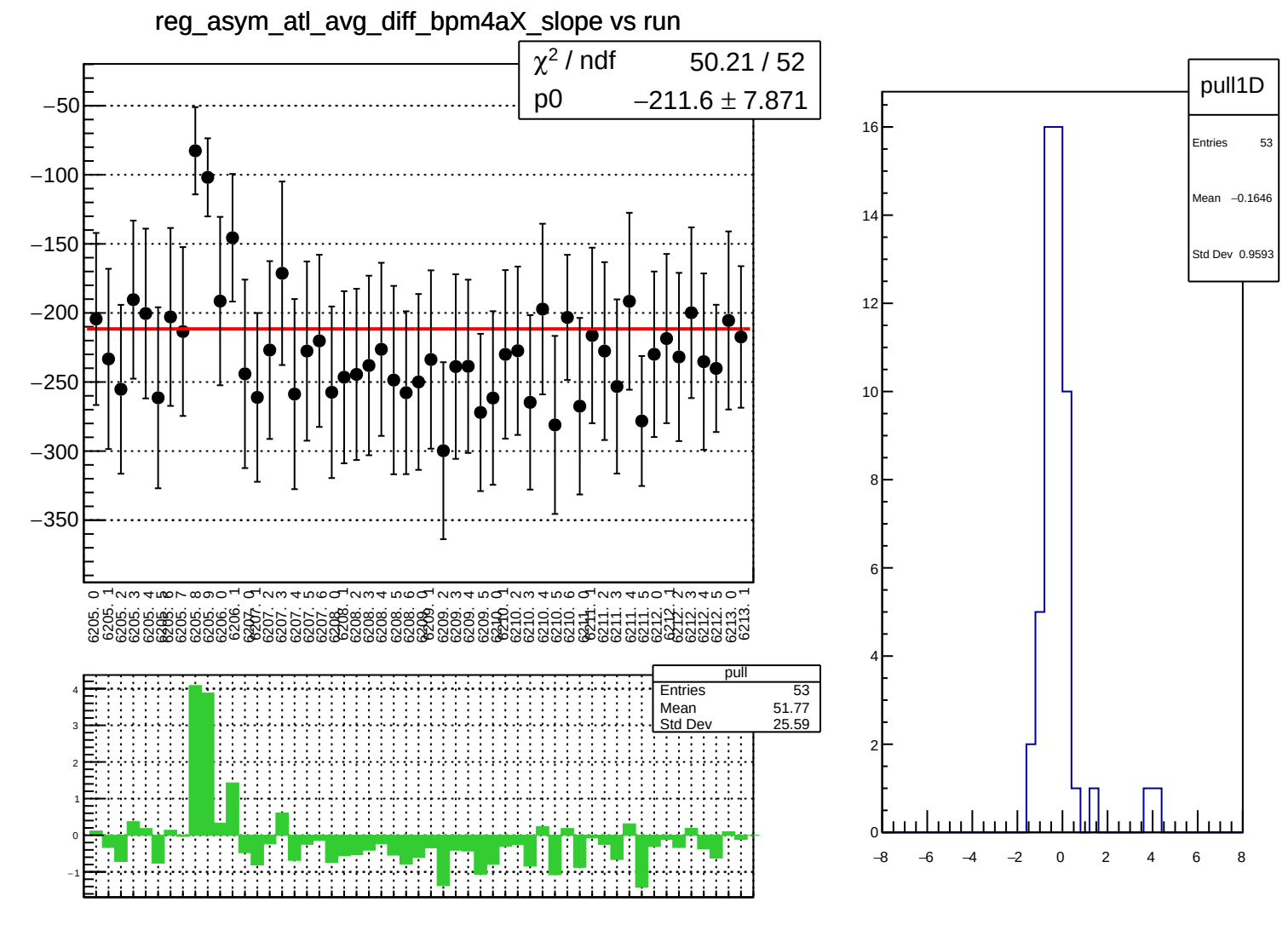

pull1D
Entries 53
Mean −0.001715
Std Dev 0.4075

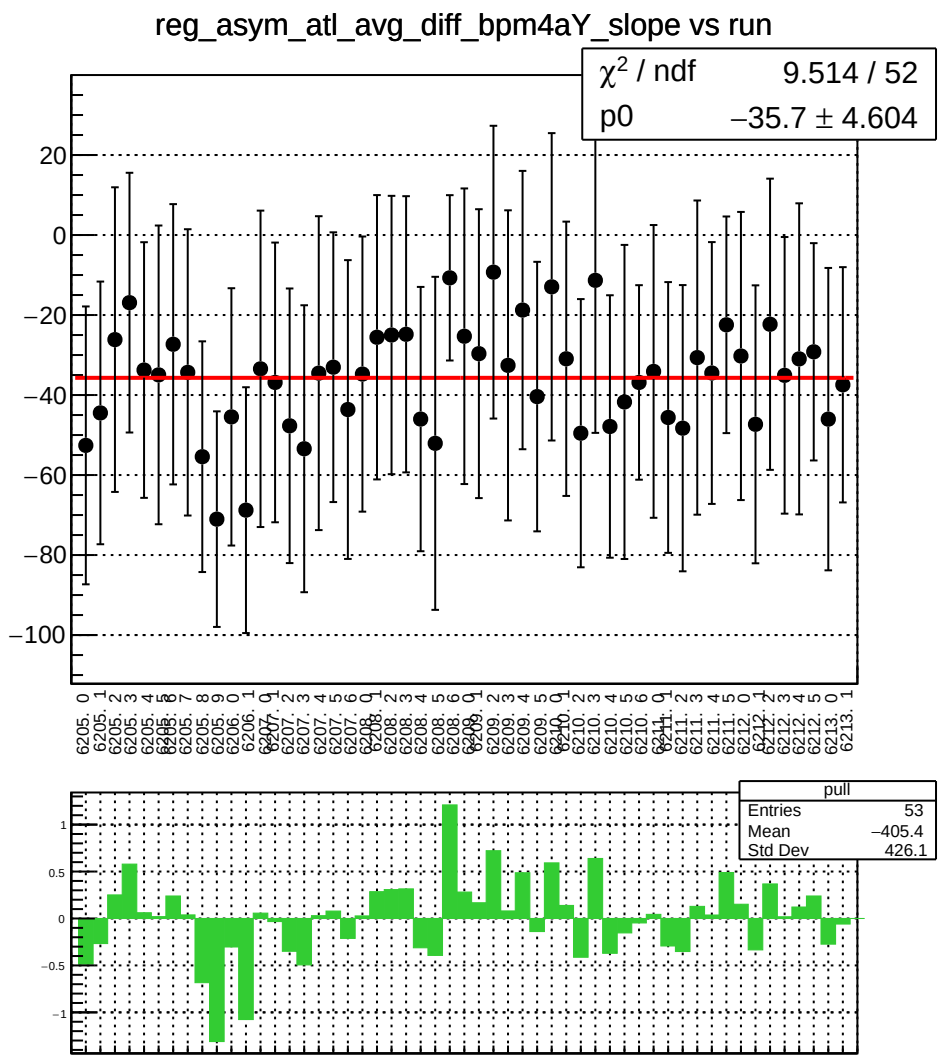

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 51.55 / 52
p0 764.7 ± 24.64
1200
1000
800
600
400
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6207. 7
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 7
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6209. 6
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6210. 7
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1
pull
Entries 53
Mean 59.48
Std Dev 31.61
1
0
−1
−2
−3
−4
pull1D
Entries 53
Mean 0.1811
Std Dev 0.9694
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

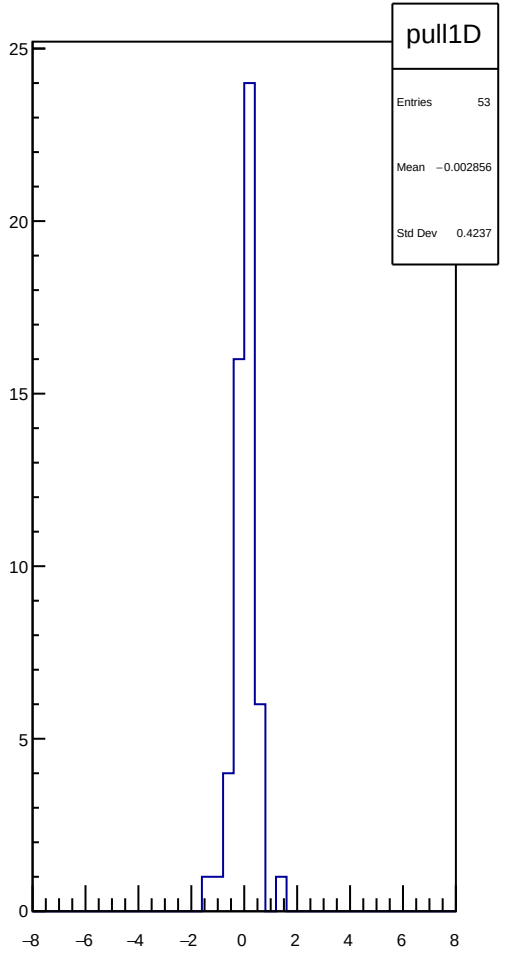

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 10 / 52
p0 231.7 ± 14.52
pull
Entries 53
Mean 539.7
Std Dev 513.5
pull1D
Entries 53
Mean −0.00373
Std Dev 0.4344

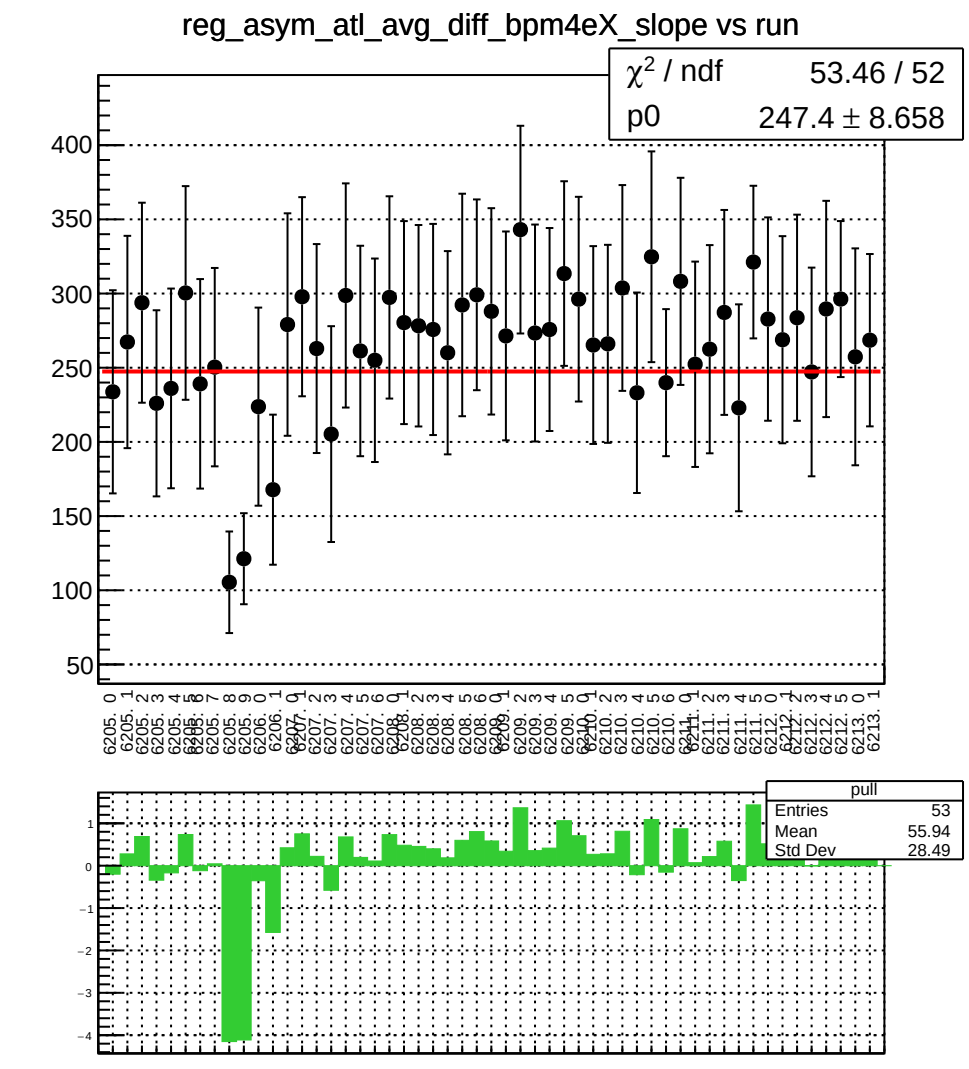

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 16.96 / 52
p0 −233.1± 1.078
pull
Entries 53
Mean −58.14
Std Dev 83.77

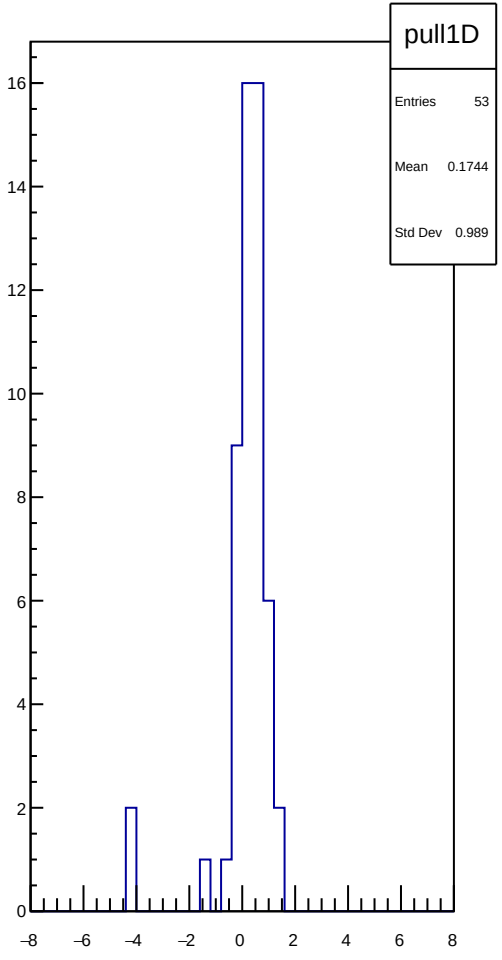

pull1D
Entries 53
Mean −0.03479
Std Dev 0.5646

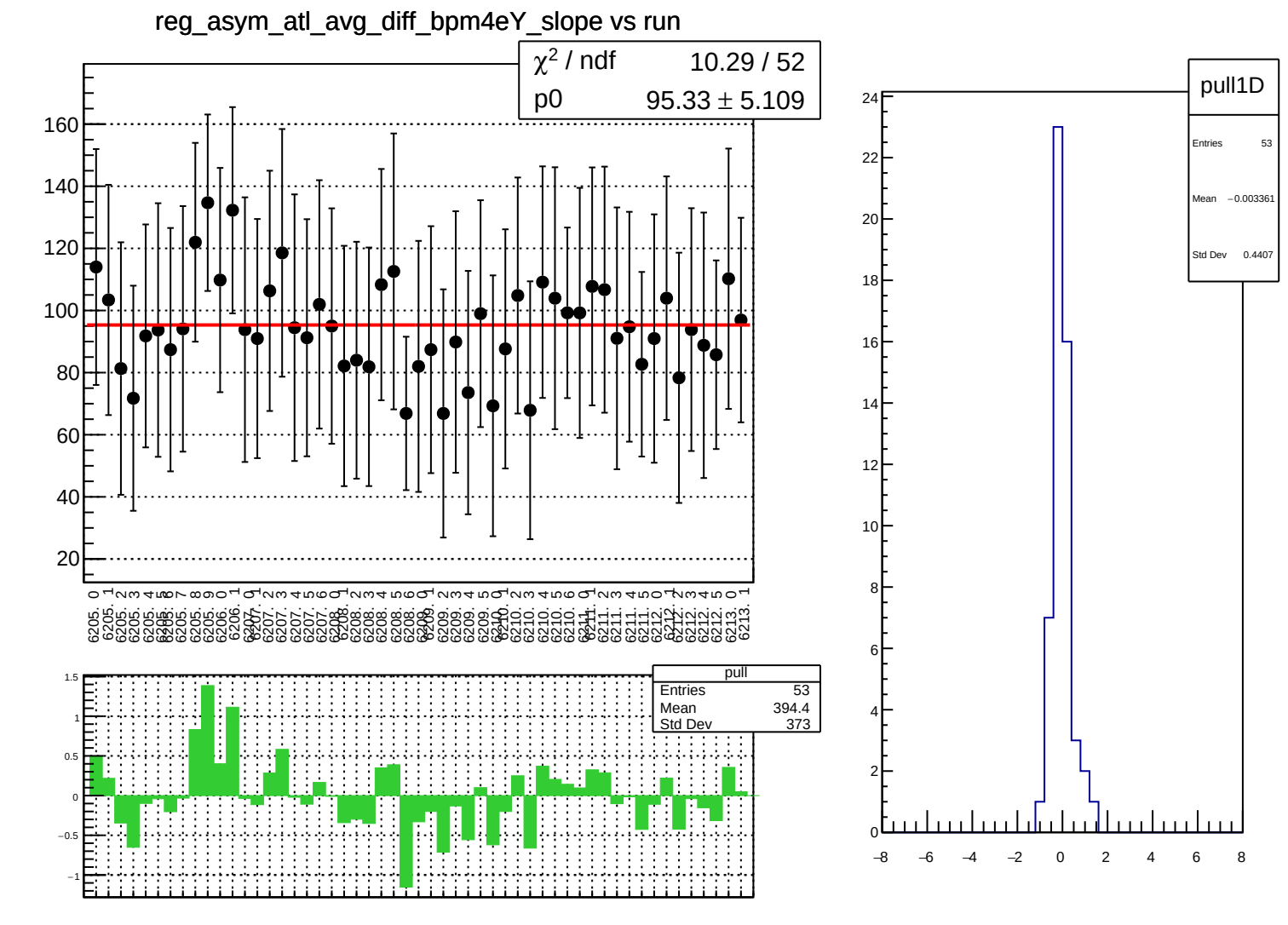

reg_asym_atl_avg_diff_bpm4aX_slope vs run
χ² / ndf 50.21 / 52
p0 −211.6 ± 7.871
pull
Entries 53
Mean 51.77
Std Dev 25.59
pull1D
Entries 53
Mean −0.1646
Std Dev 0.9593

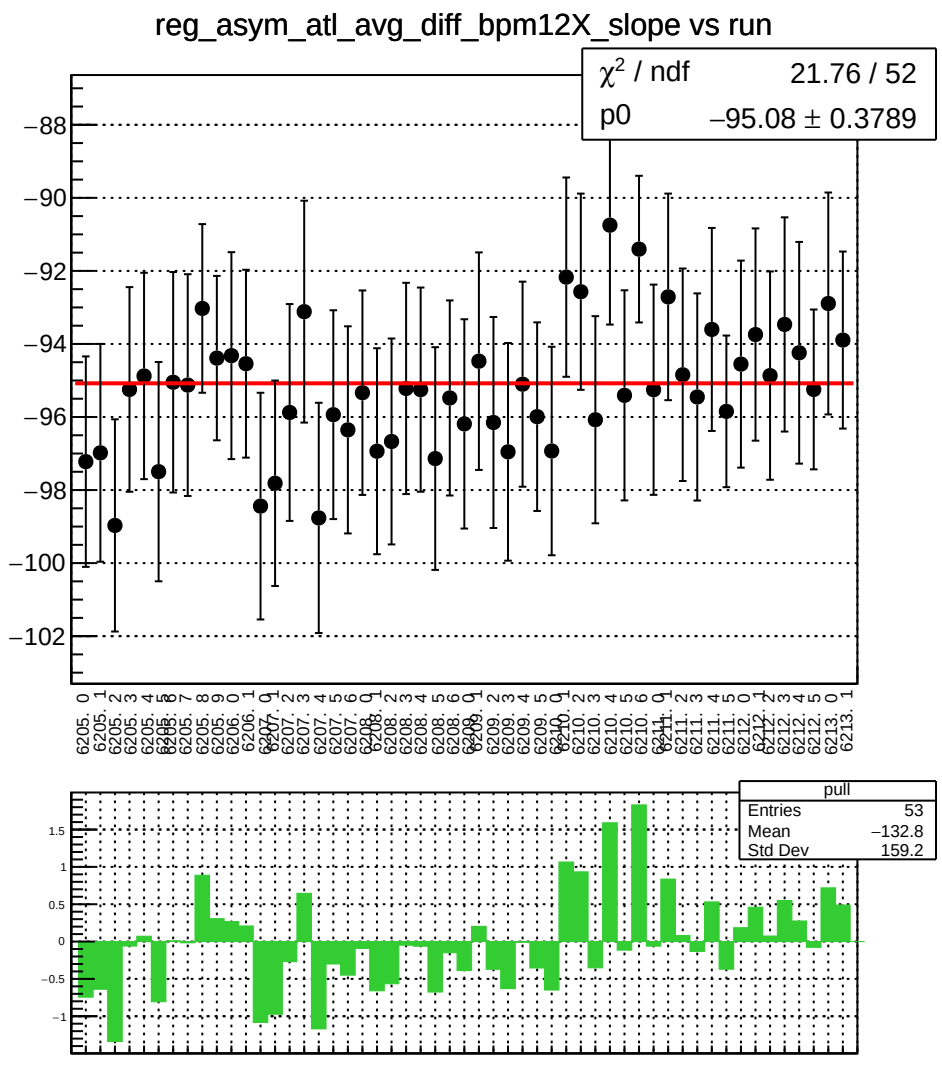

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.514 / 52
p0 −35.7 ± 4.604
pull
Entries 53
Mean −405.4
Std Dev 426.1

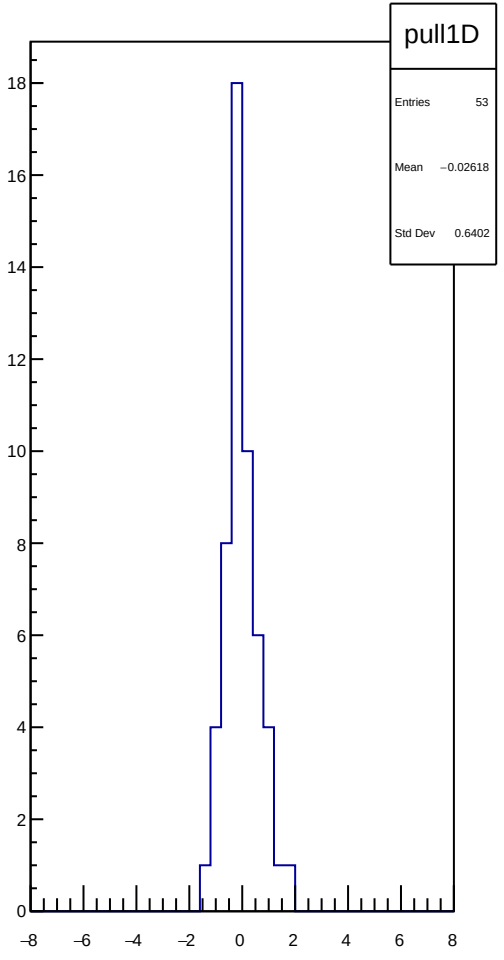

pull1D
Entries 53
Mean −0.002856
Std Dev 0.4237

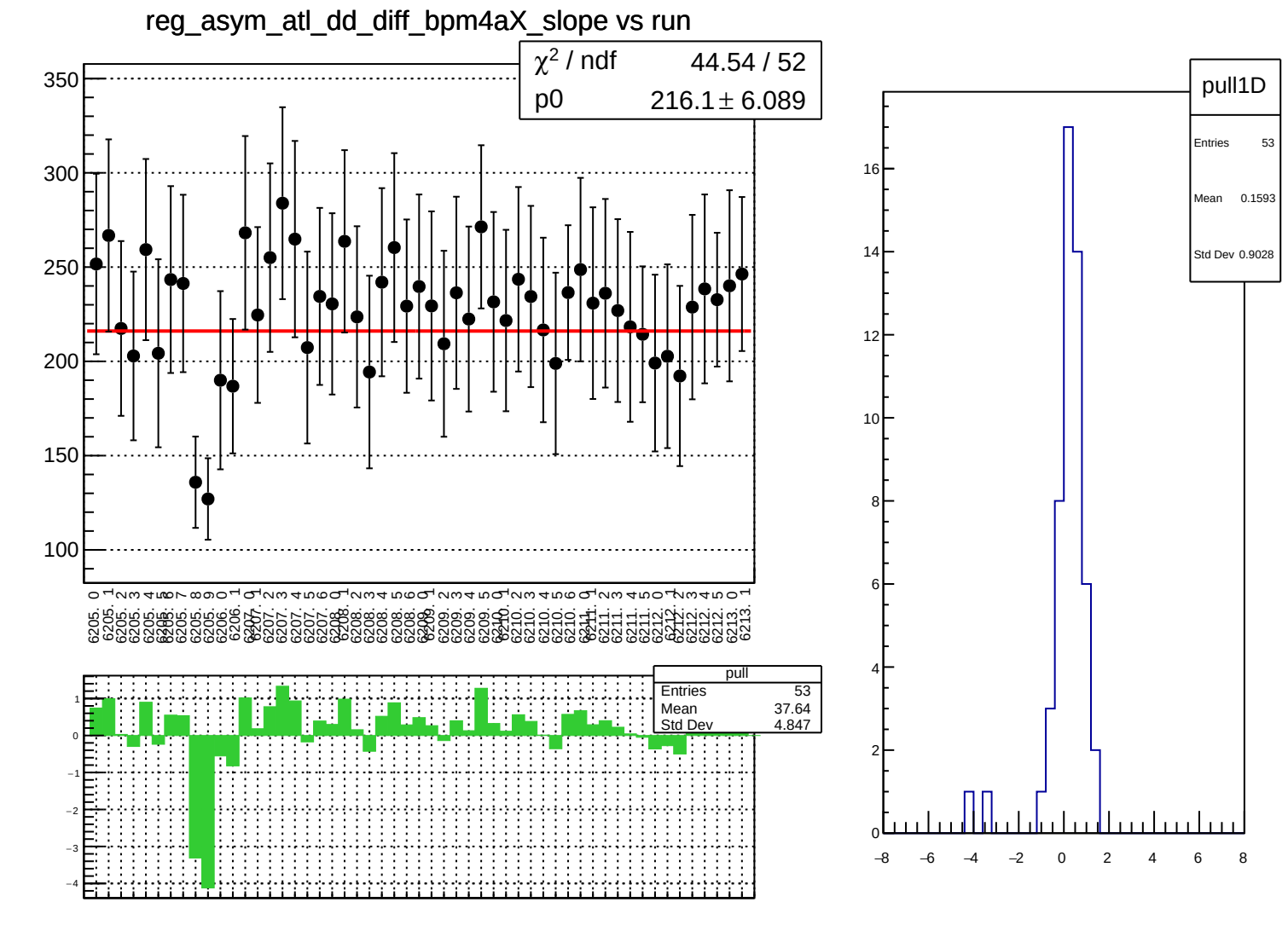

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 53.46 / 52
p0 247.4 ± 8.658
pull
Entries 53
Mean 55.94
Std Dev 28.49

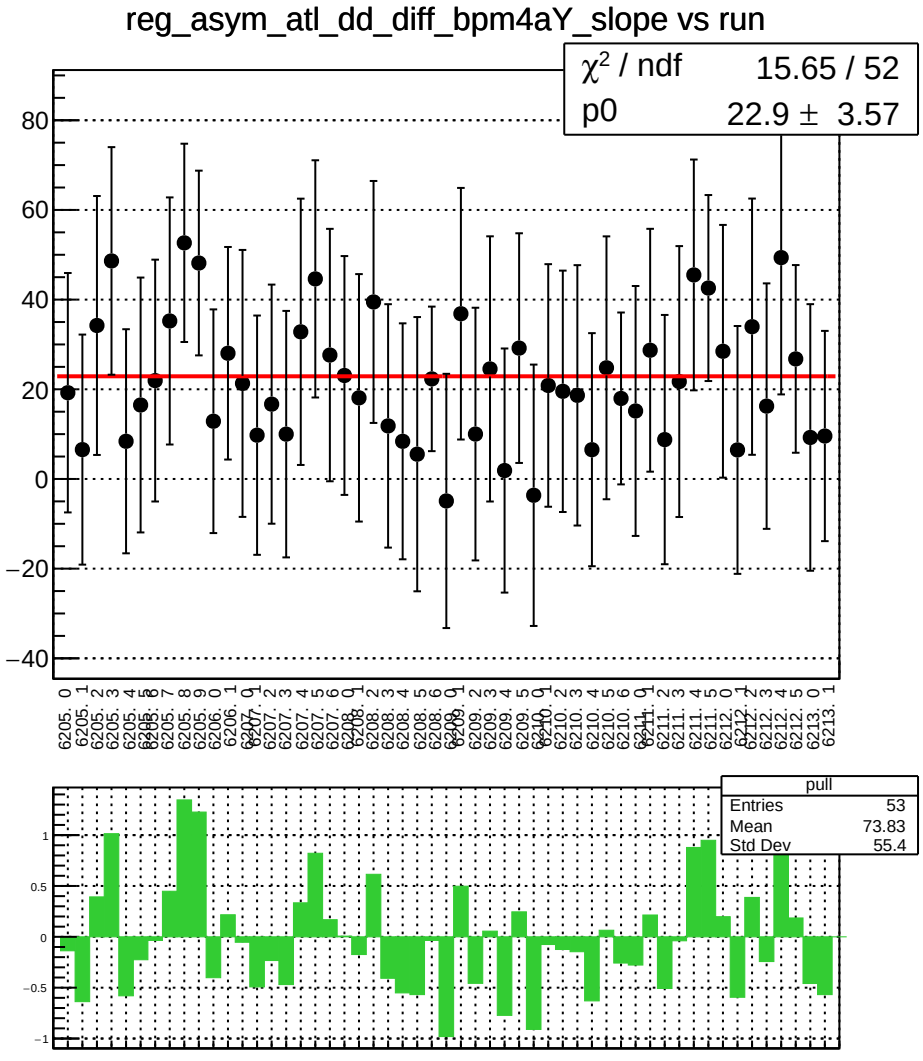

pull1D
Entries 53
Mean 0.1744
Std Dev 0.989

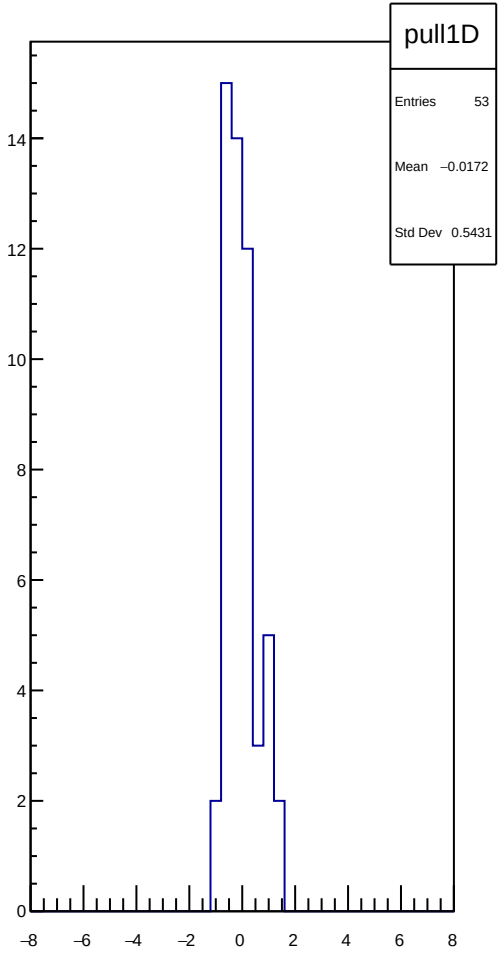

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.29 / 52
p0 95.33 ± 5.109
pull
Entries 53
Mean 394.4
Std Dev 373
pull1D
Entries 53
Mean −0.003361
Std Dev 0.4407

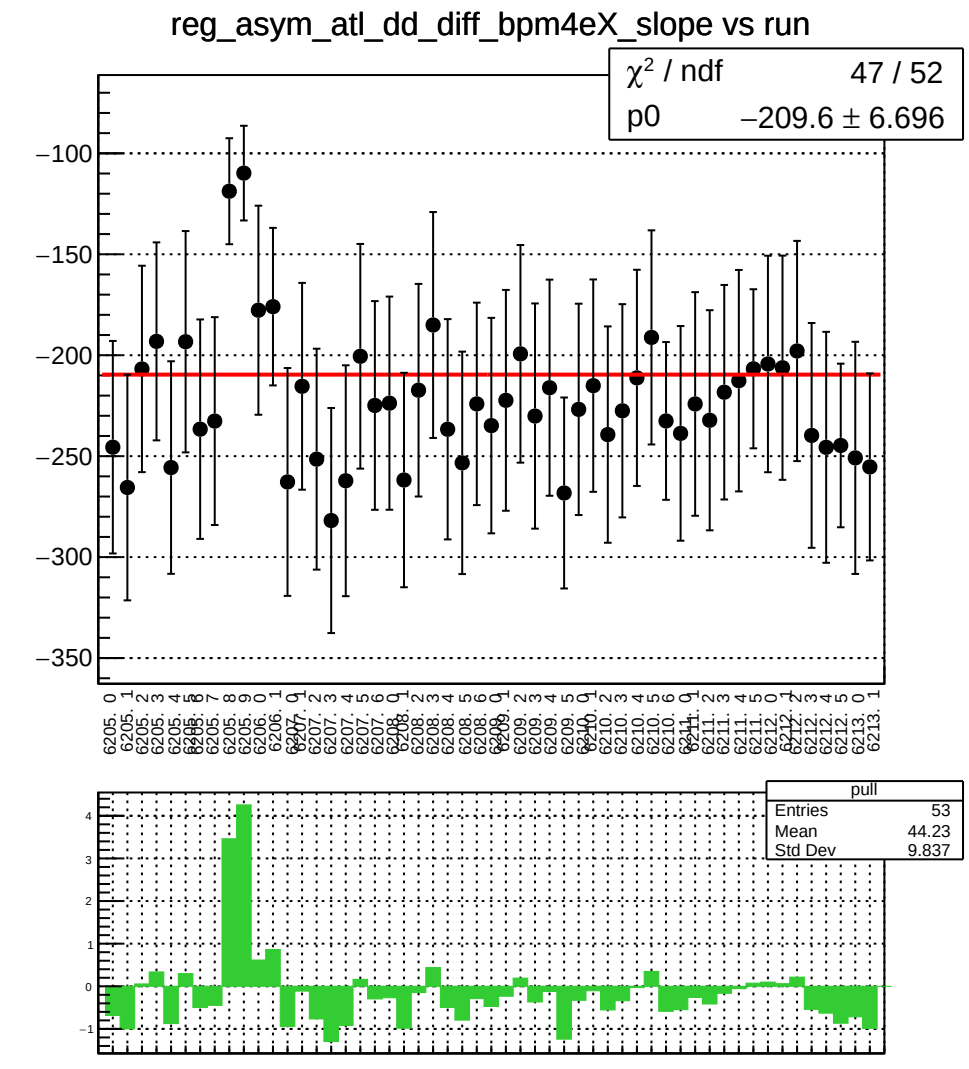

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 21.76 / 52
p0 −95.08 ± 0.3789
pull
Entries 53
Mean −132.8
Std Dev 159.2

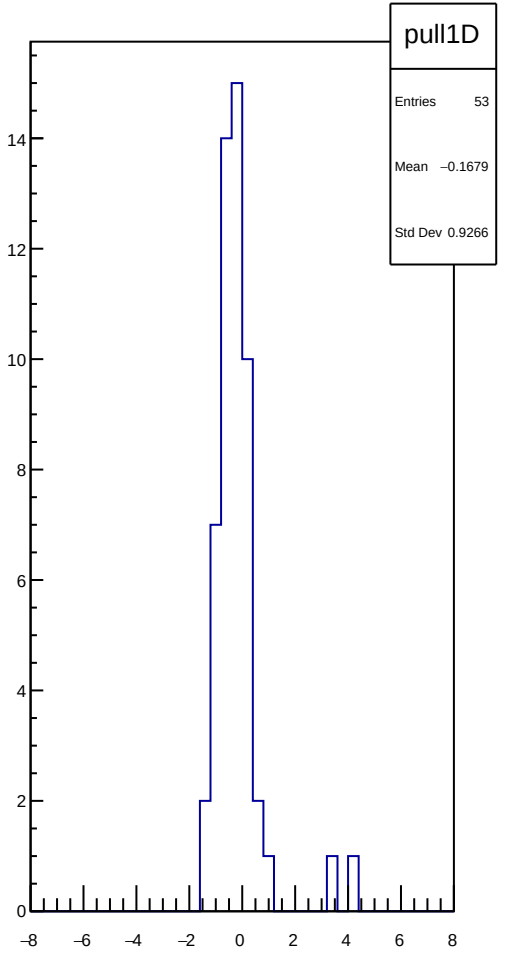

pull1D
Entries 53
Mean −0.02618
Std Dev 0.6402

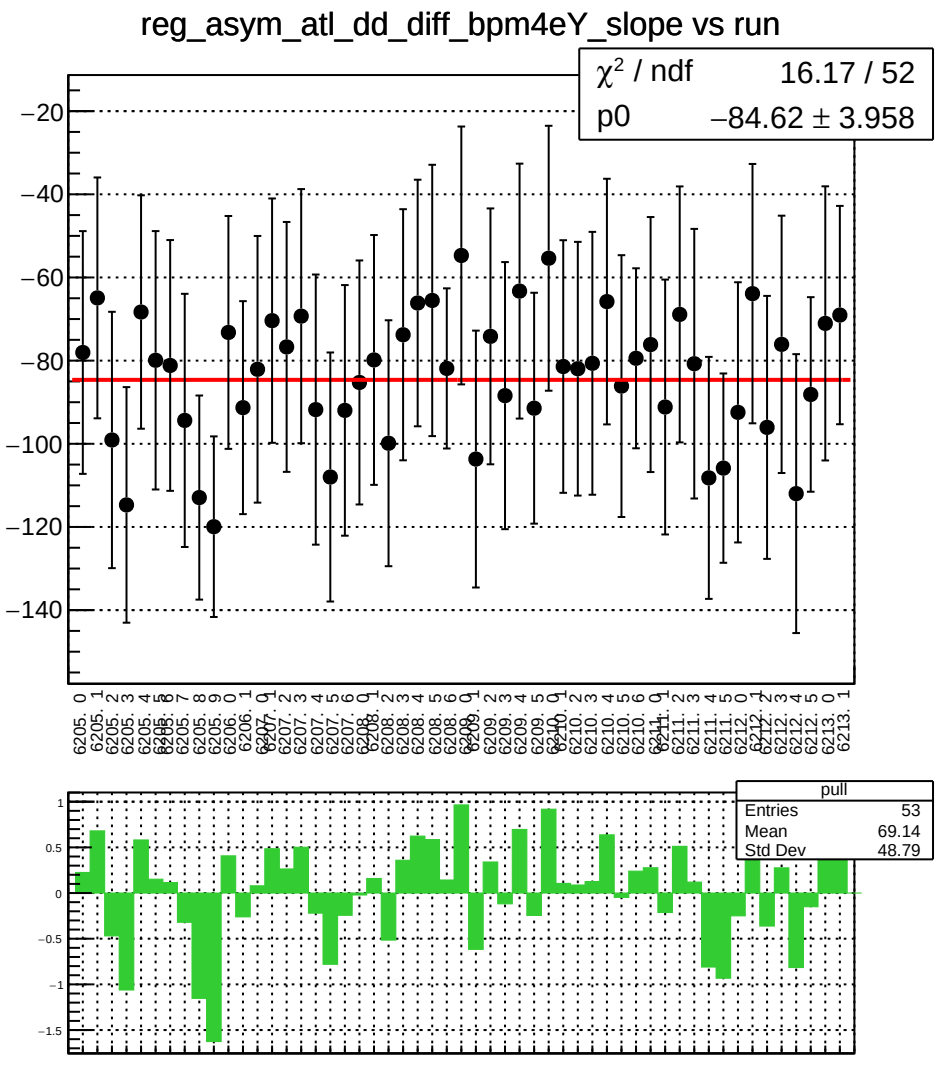

reg_asym_atl_dd_diff_bpm4aX_slope vs run
χ² / ndf 44.54 / 52
p0 216.1 ± 6.089
pull
Entries 53
Mean 37.64
Std Dev 4.847
pull1D
Entries 53
Mean 0.1593
Std Dev 0.9028

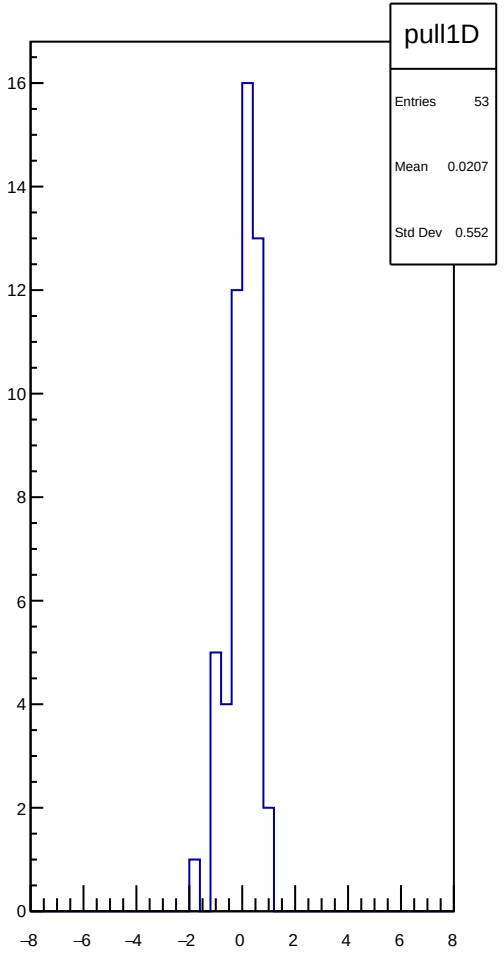

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.65 / 52
p0 22.9 ± 3.57
pull
Entries 53
Mean 73.83
Std Dev 55.4

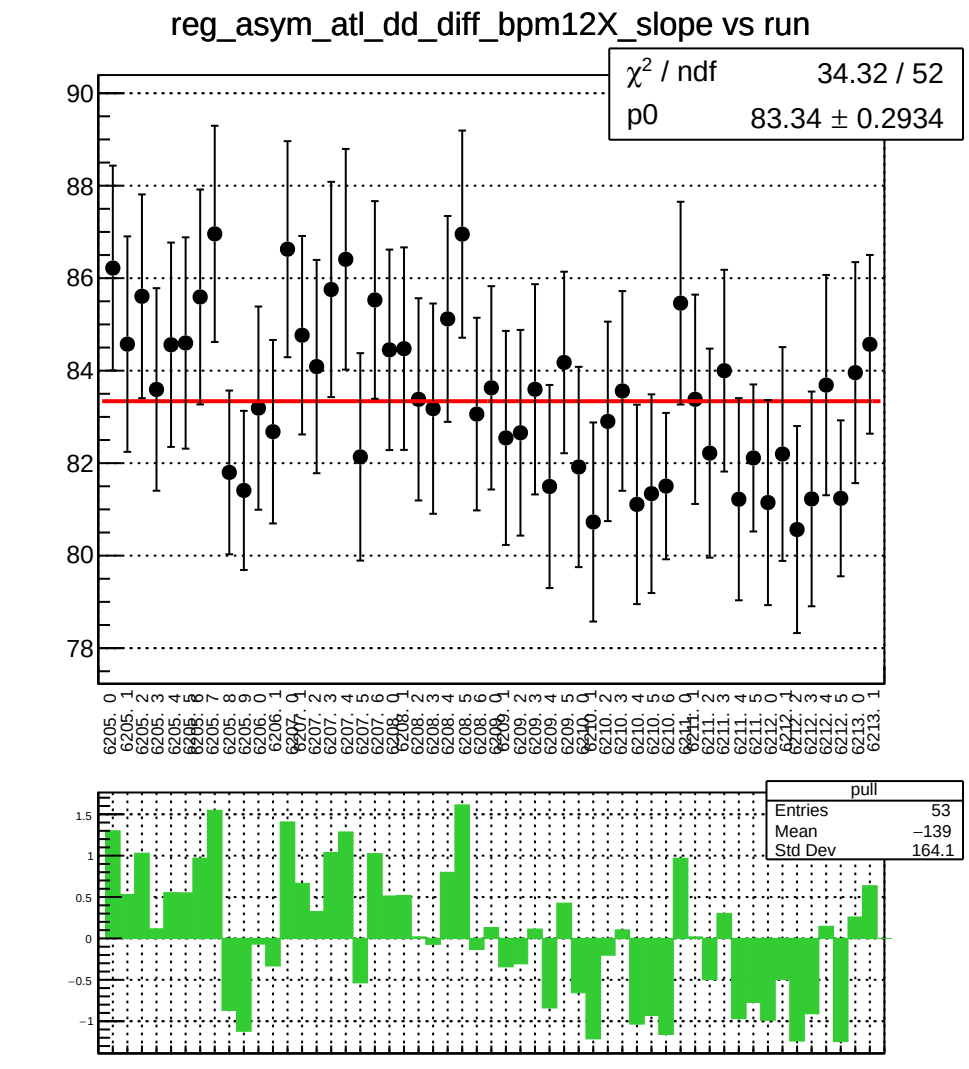

pull1D
Entries 53
Mean −0.0172
Std Dev 0.5431

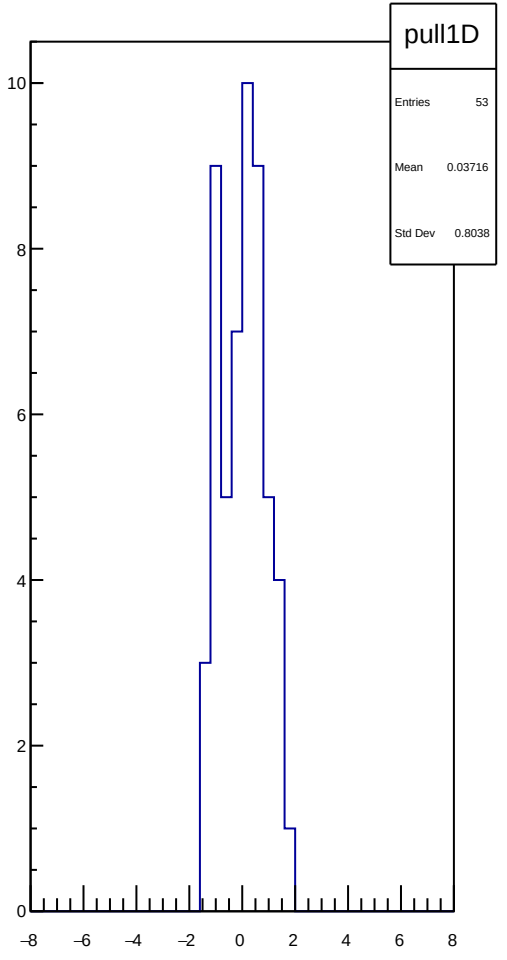

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 47 / 52
p0 −209.6 ± 6.696
−100
−150
−200
−250
−300
−350
pull
Entries 53
Mean 44.23
Std Dev 9.837
4
3
2
1
0
−1

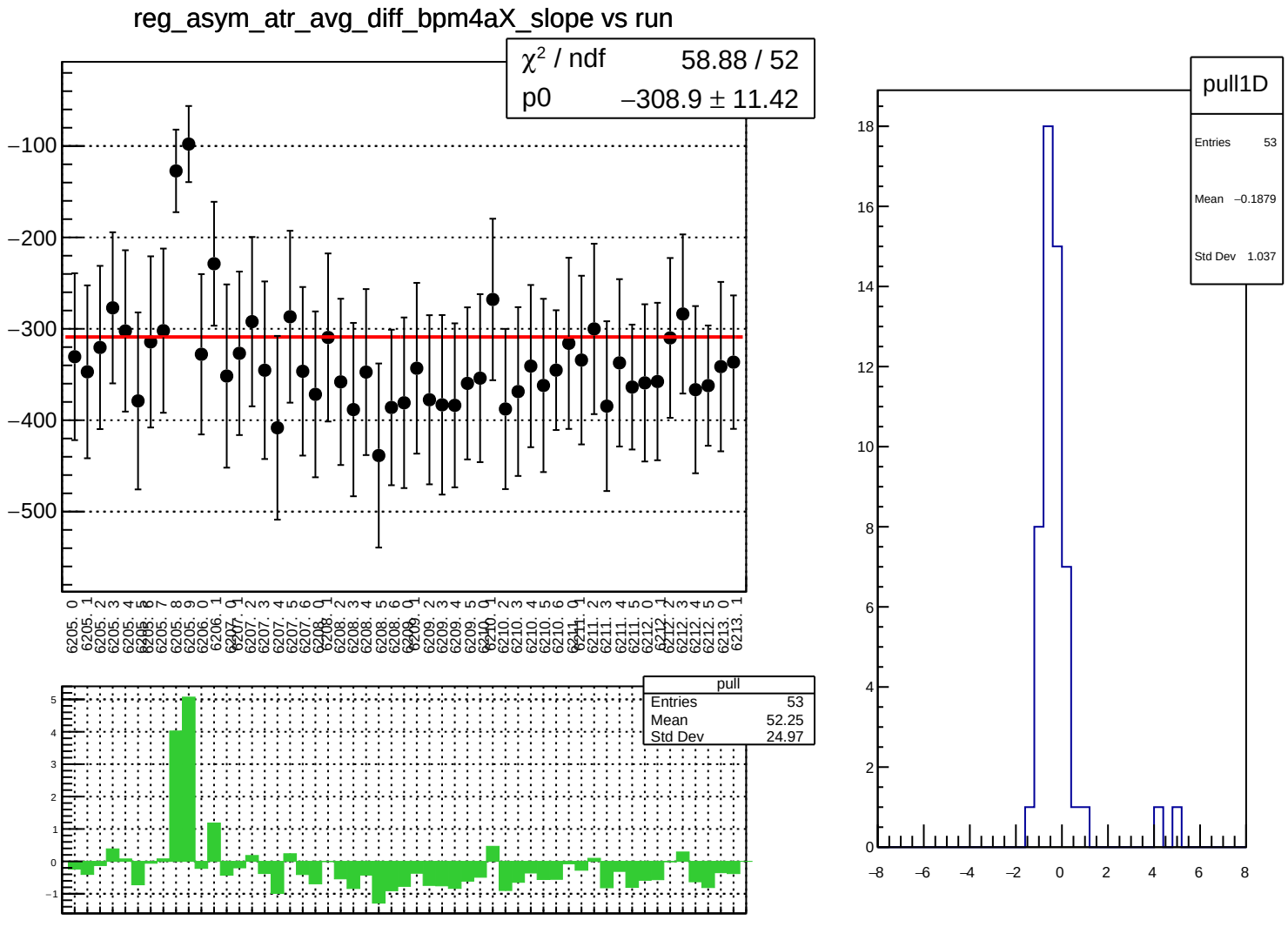

pull1D
Entries 53
Mean −0.1679
Std Dev 0.9266
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

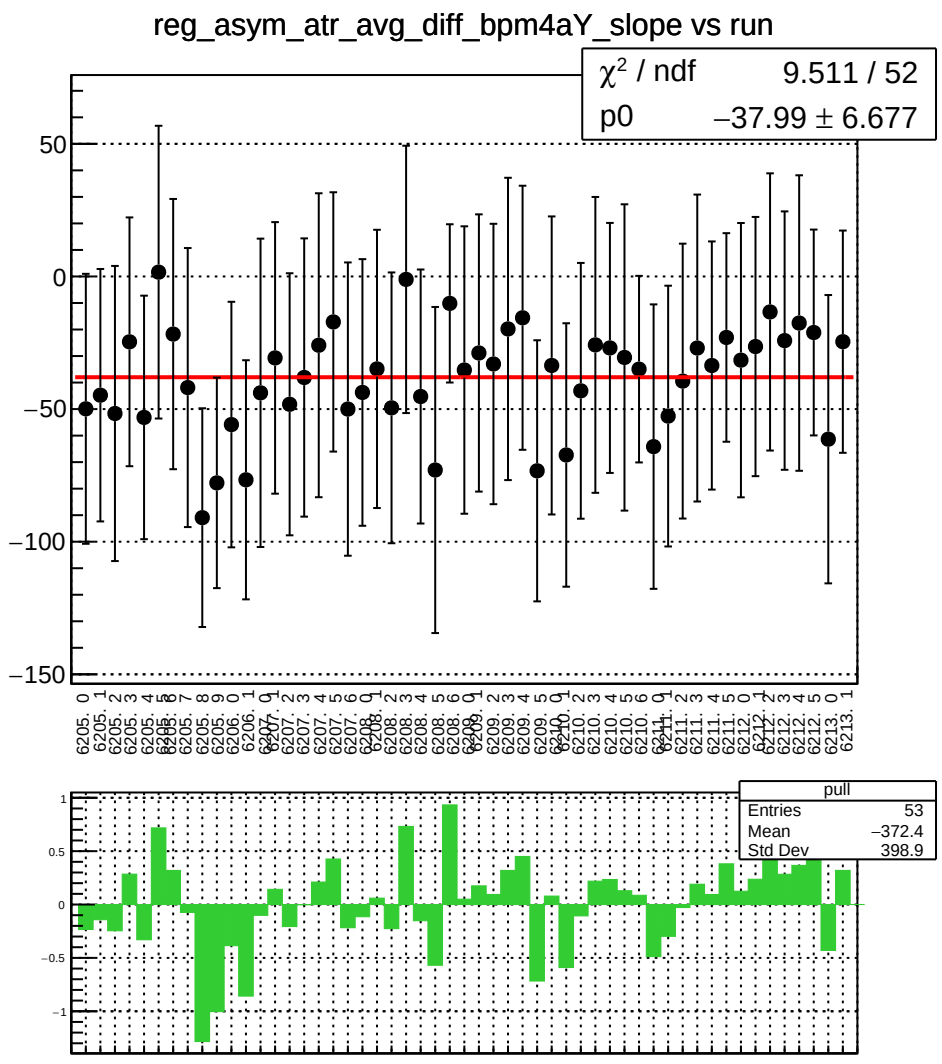

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.17 / 52
p0 −84.62 ± 3.958
pull
Entries 53
Mean 69.14
Std Dev 48.79

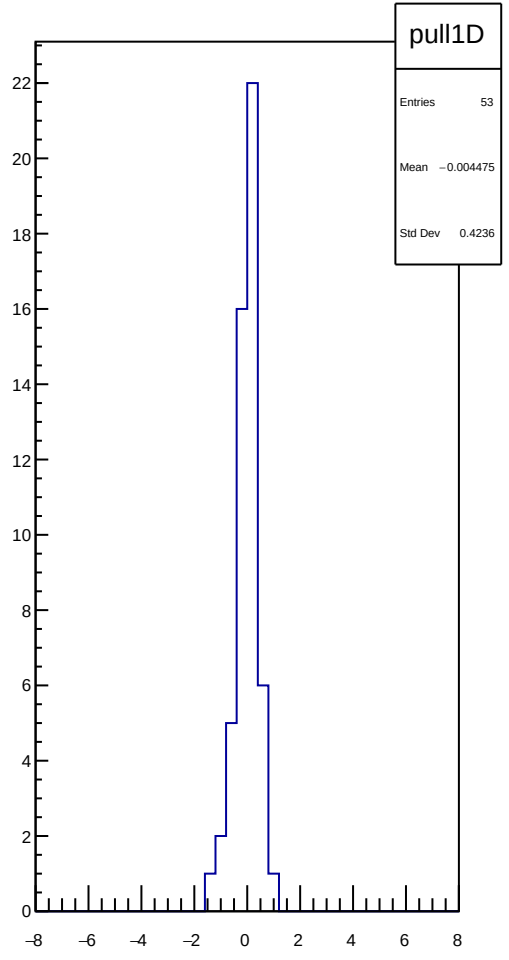

pull1D
Entries 53
Mean 0.0207
Std Dev 0.552

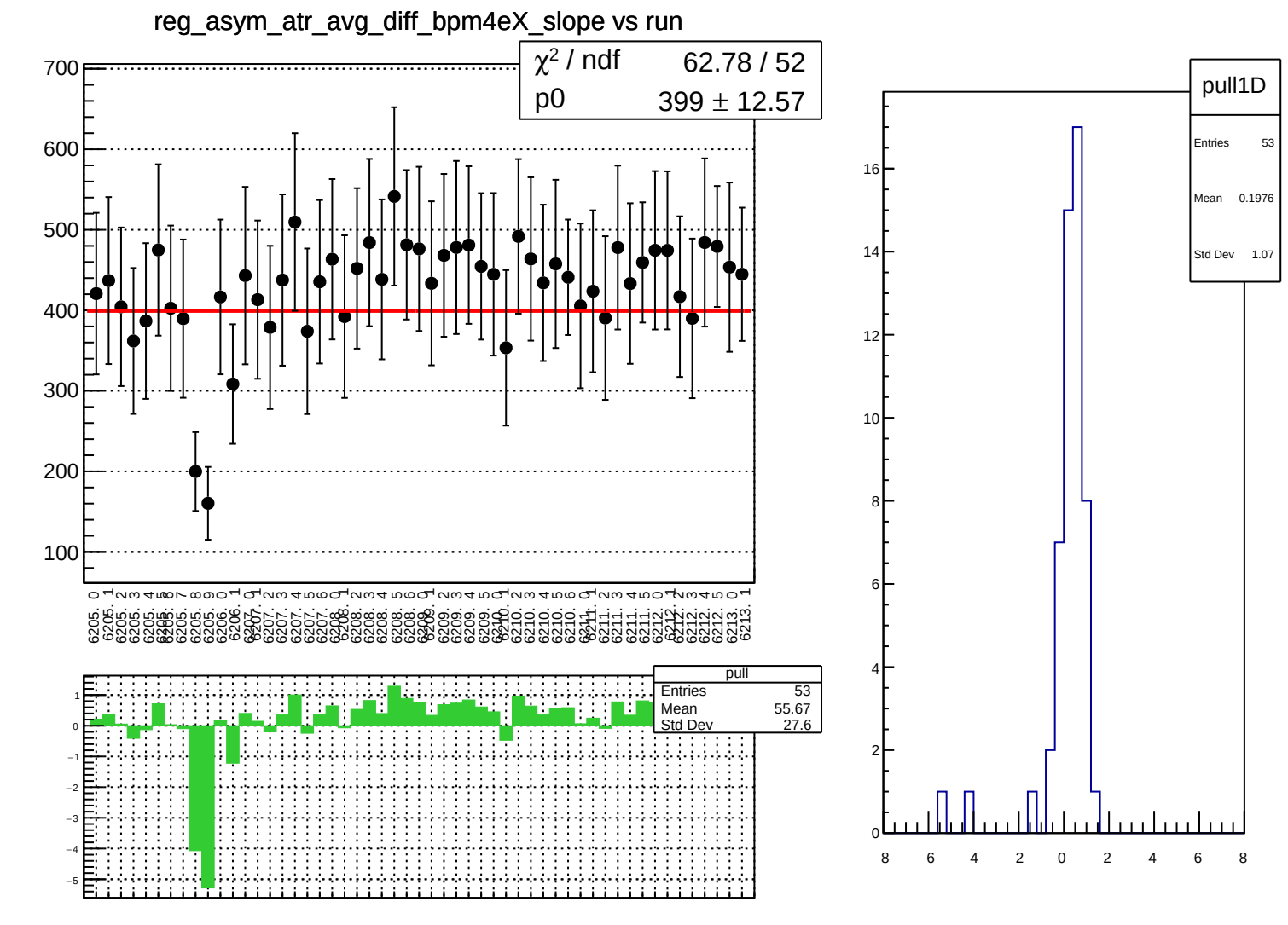

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 34.32 / 52
p0 83.34 ± 0.2934
90
88
86
84
82
80
78
pull
Entries 53
Mean −139
Std Dev 164.1
1.5
1
0.5
0
−0.5
−1

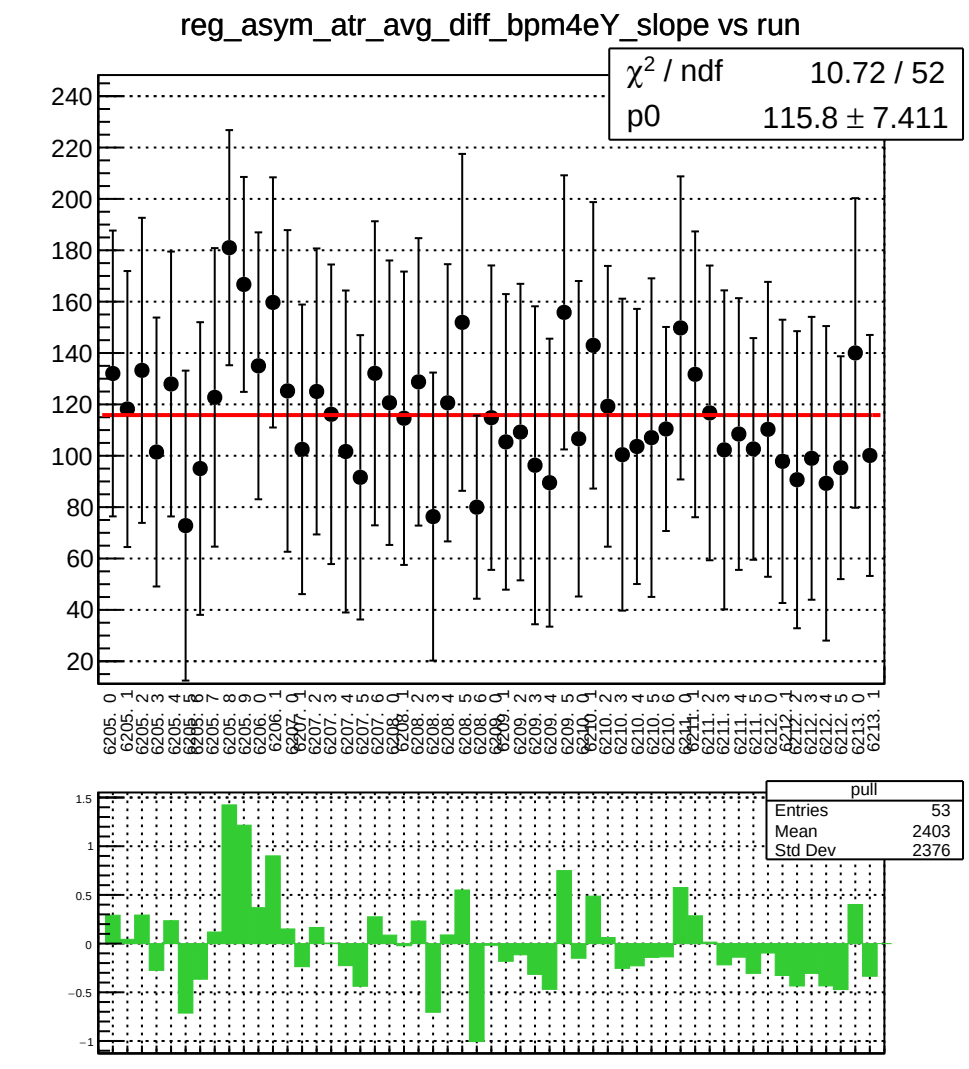

pull1D
Entries 53
Mean 0.03716
Std Dev 0.8038
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

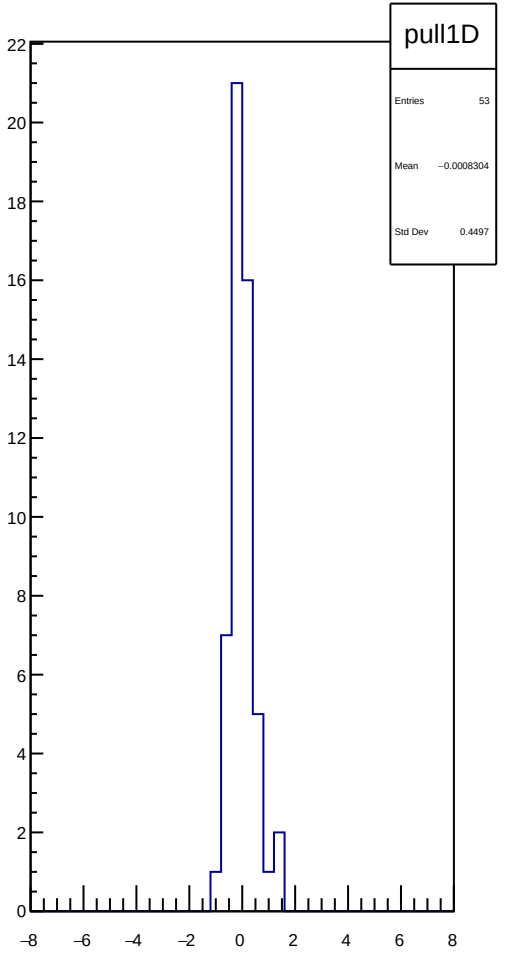

reg_asym_atr_avg_diff_bpm4aX_slope vs run
χ² / ndf 58.88 / 52
p0 −308.9 ± 11.42
−100
−200
−300
−400
−500
pull
Entries 53
Mean 52.25
Std Dev 24.97
pull1D
Entries 53
Mean −0.1879
Std Dev 1.037

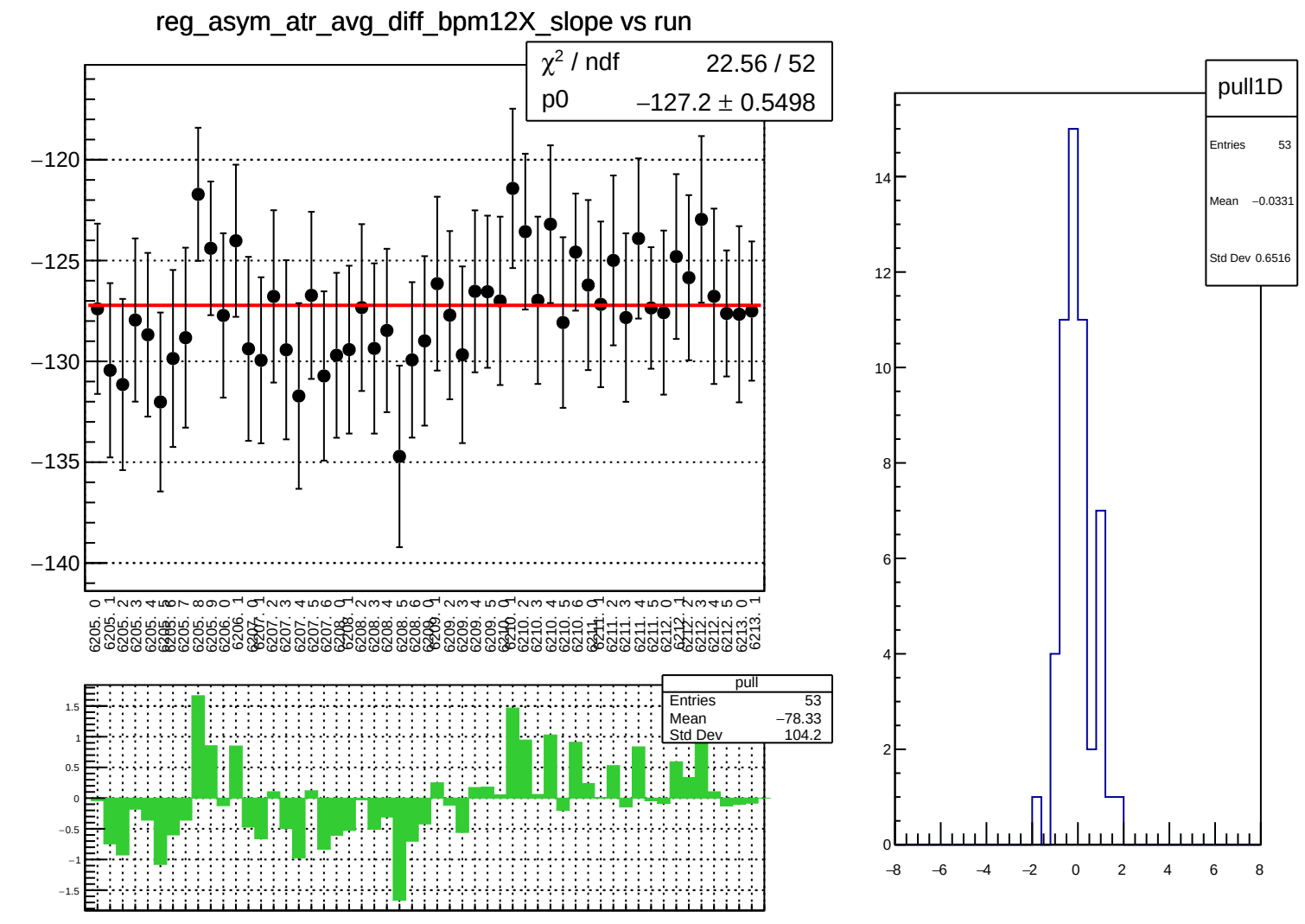

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.511 / 52
p0 −37.99 ± 6.677
50
0
−50
−100
−150
pull
Entries 53
Mean −372.4
Std Dev 398.9
1
0.5
0
−0.5
−1

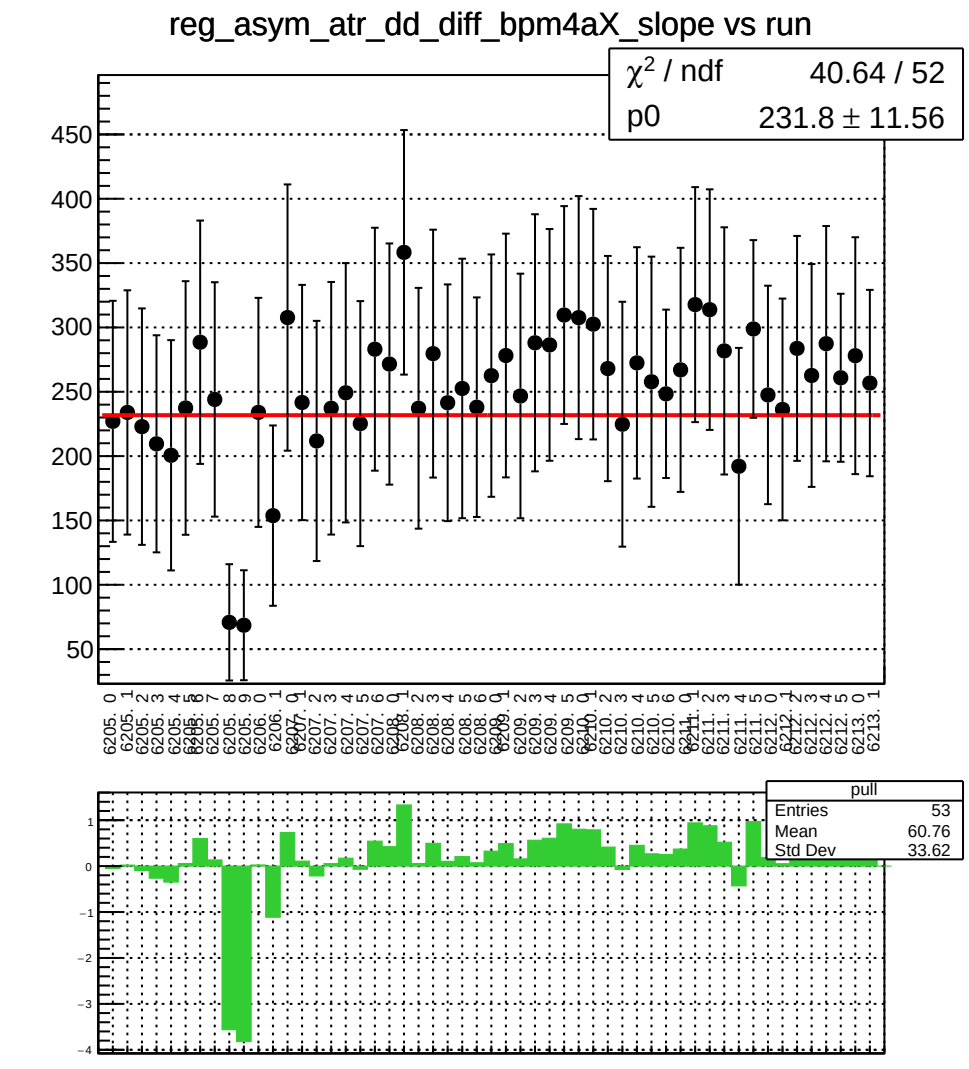

pull1D
Entries 53
Mean −0.004475
Std Dev 0.4236
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

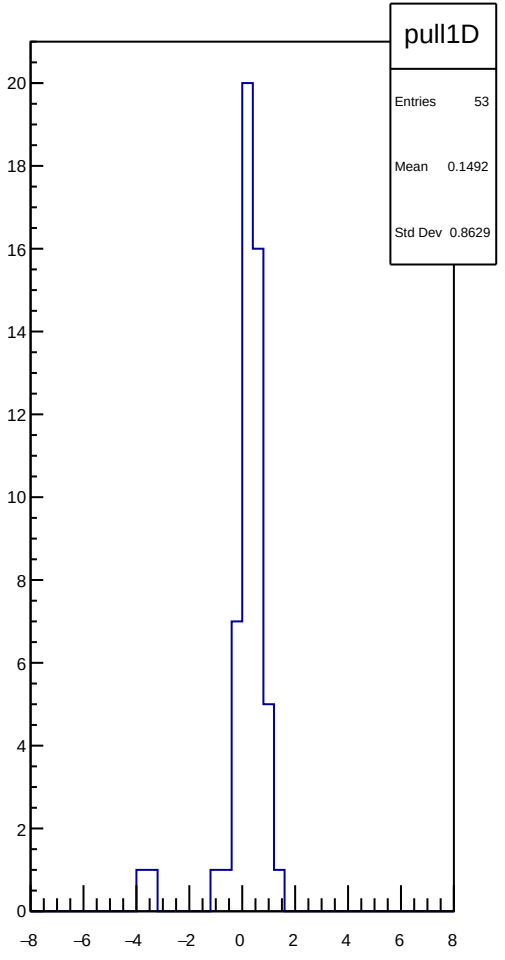

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 62.78 / 52
p0 399 ± 12.57
pull
Entries 53
Mean 55.67
Std Dev 27.6
pull1D
Entries 53
Mean 0.1976
Std Dev 1.07

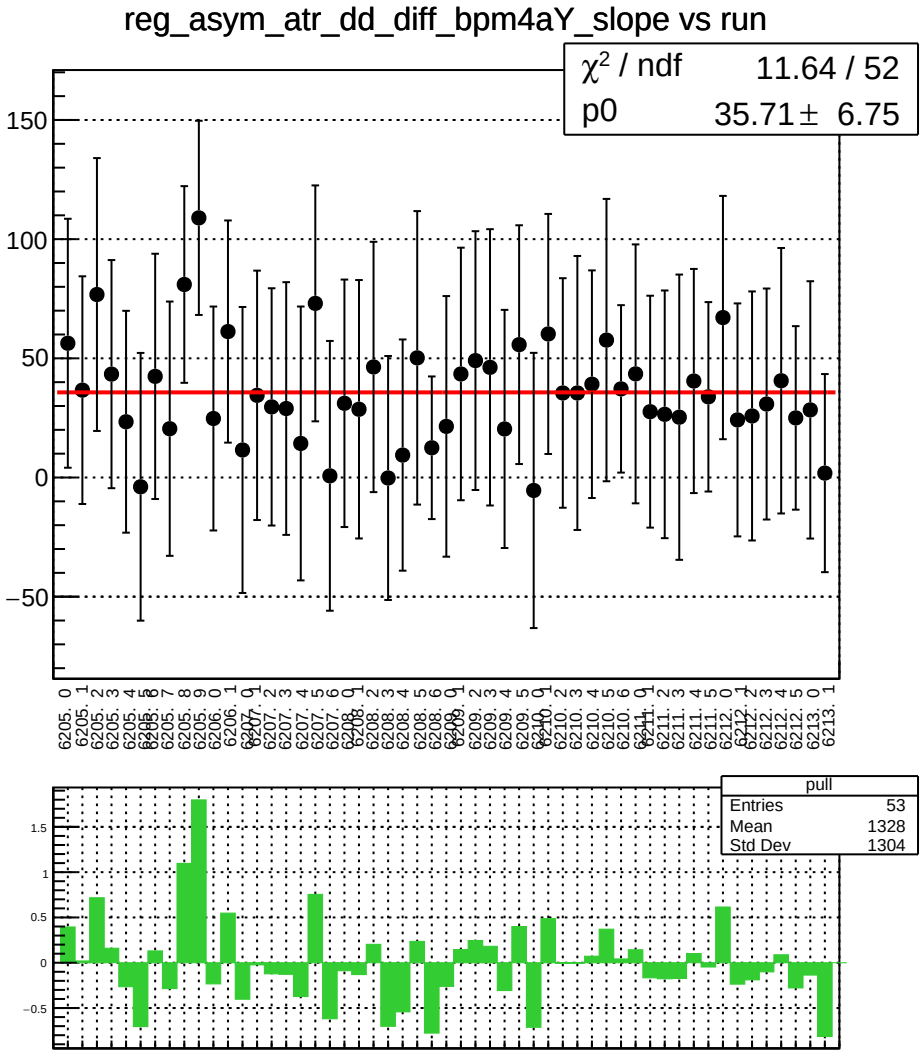

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.72 / 52
p0 115.8 ± 7.411
pull
Entries 53
Mean 2403
Std Dev 2376

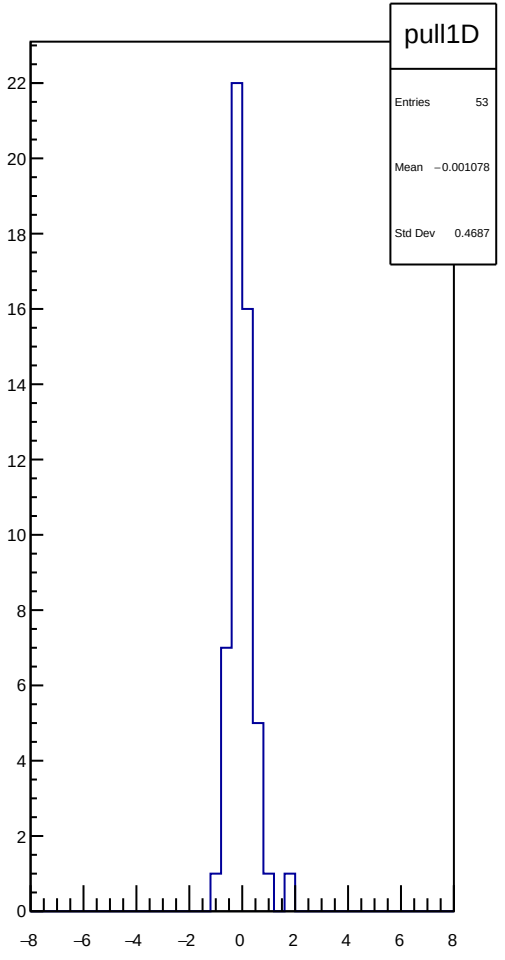

pull1D
Entries 53
Mean −0.0008304
Std Dev 0.4497

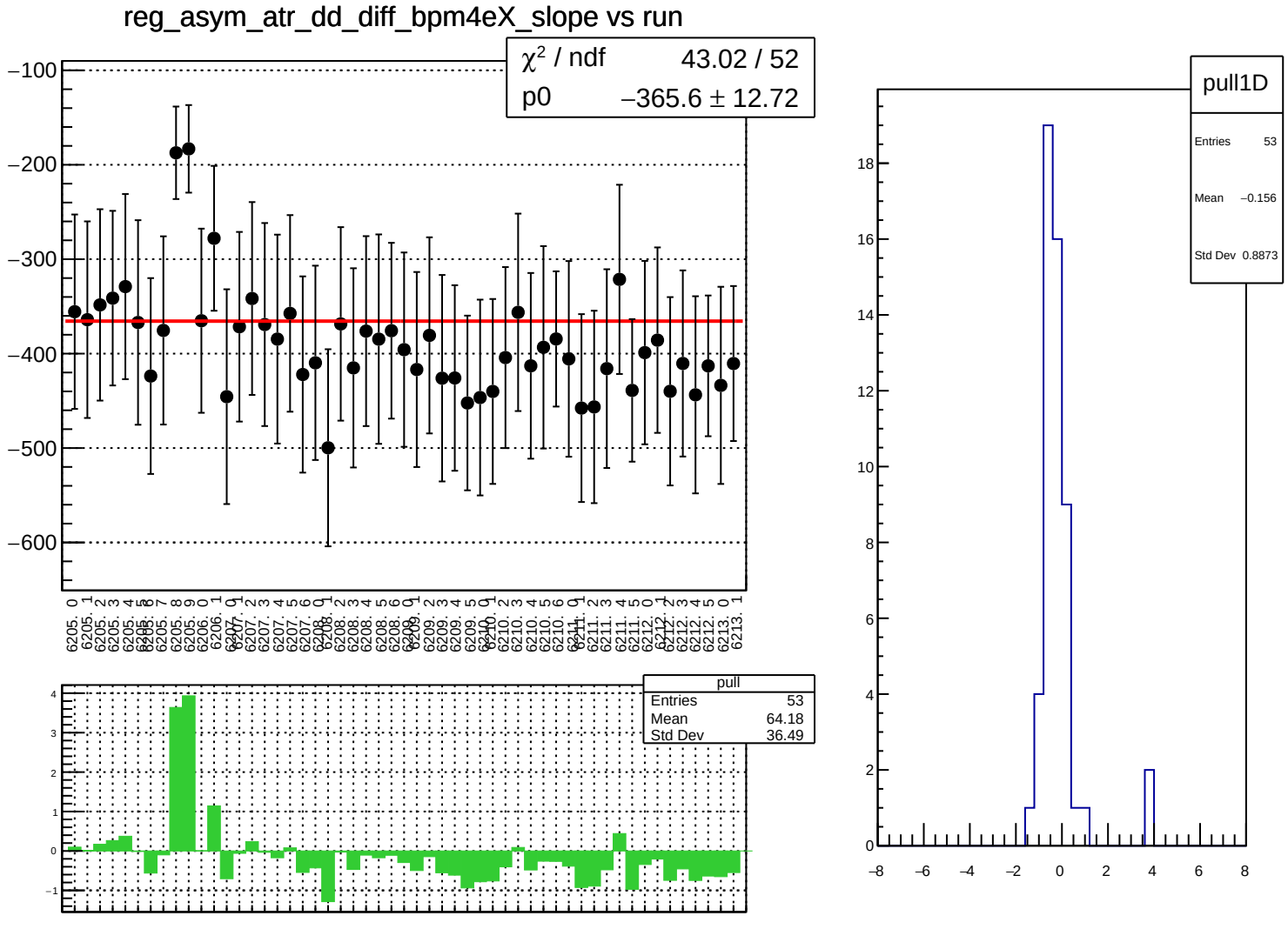

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 22.56 / 52
p0 −127.2 ± 0.5498
−120
−125
−130
−135
−140
pull
Entries 53
Mean −78.33
Std Dev 104.2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 53
Mean −0.0331
Std Dev 0.6516
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

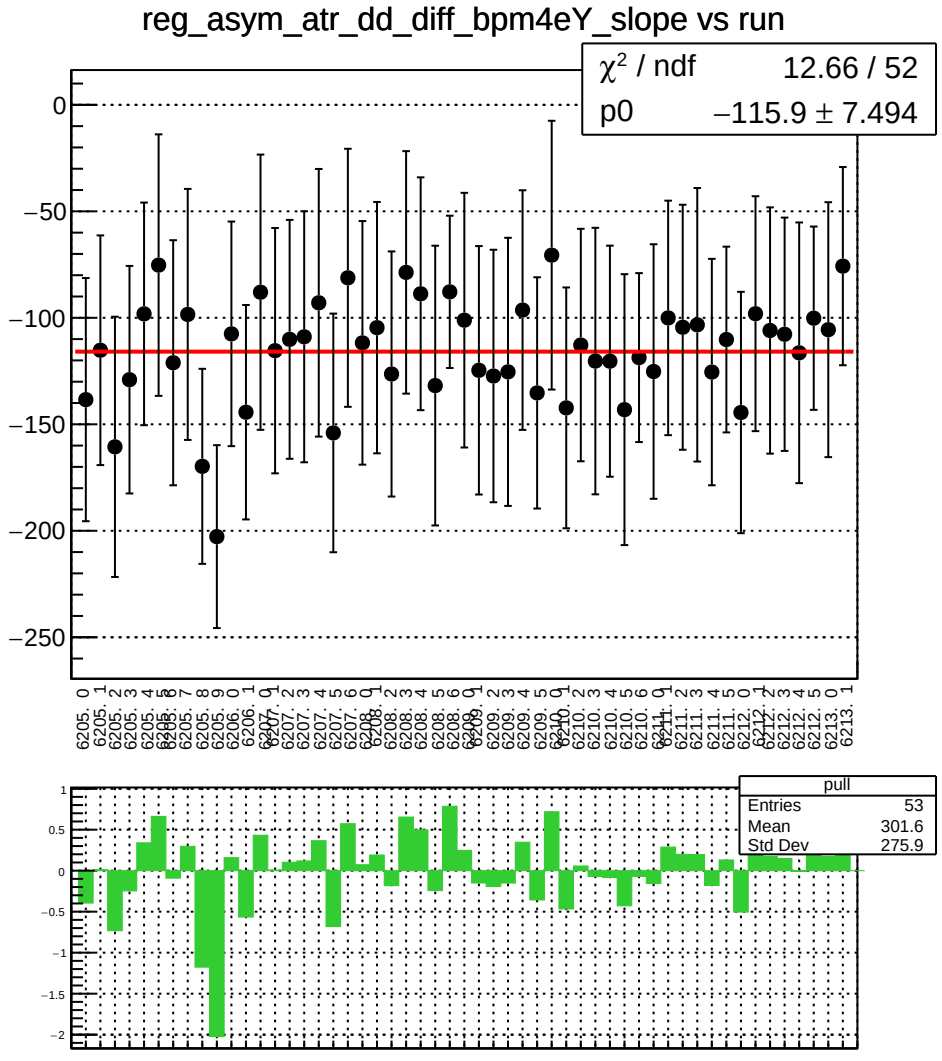

reg_asym_atr_dd_diff_bpm4aX_slope vs run
$\chi^2$ / ndf 40.64 / 52
p0 231.8 ± 11.56
pull
Entries 53
Mean 60.76
Std Dev 33.62

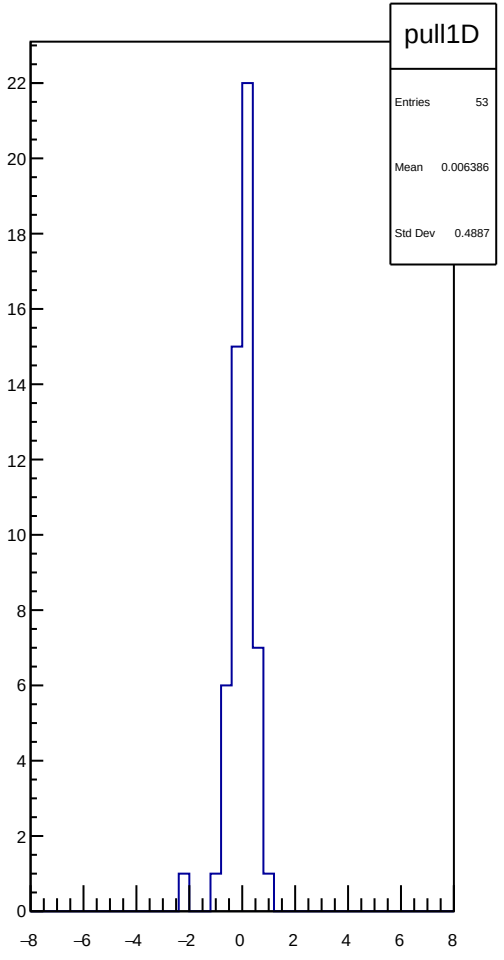

pull1D
Entries 53
Mean 0.1492
Std Dev 0.8629

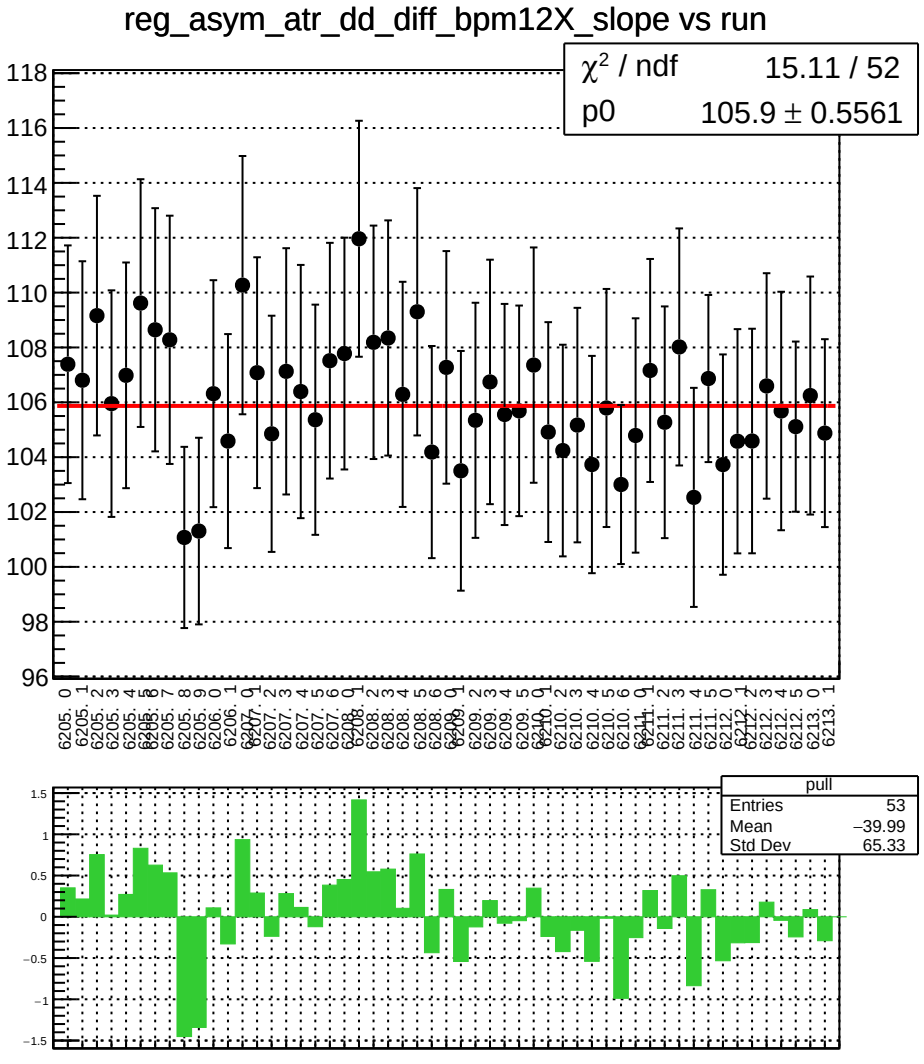

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.64 / 52
p0 35.71 ± 6.75
pull
Entries 53
Mean 1328
Std Dev 1304

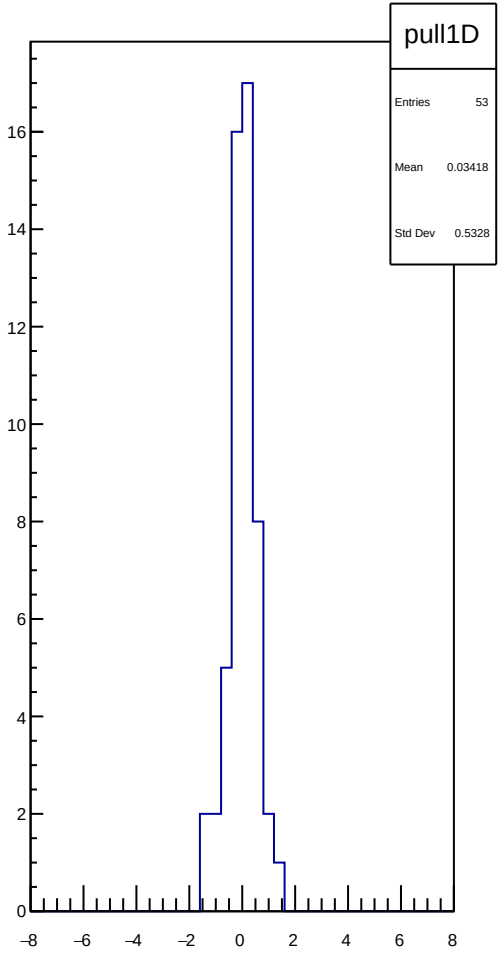

pull1D
Entries 53
Mean −0.001078
Std Dev 0.4687

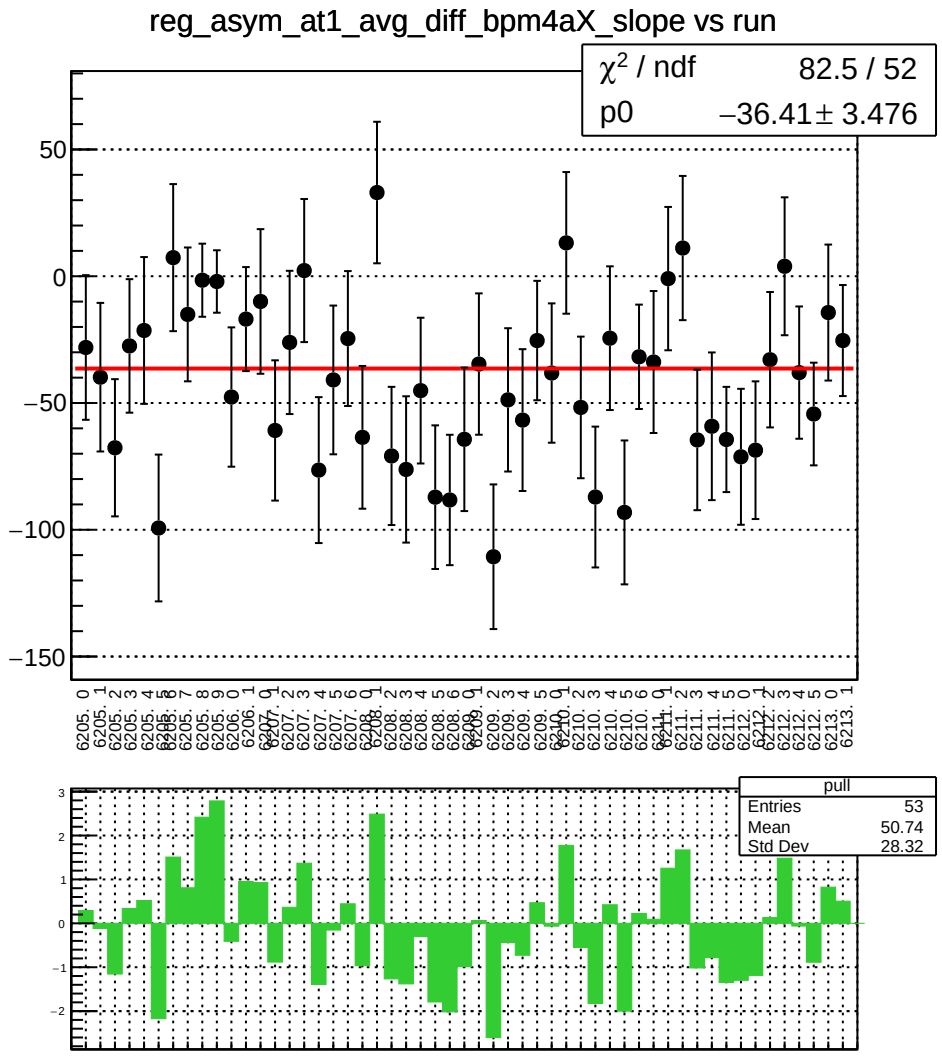

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 43.02 / 52
p0 −365.6 ± 12.72
−100
−200
−300
−400
−500
−600
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6207. 7
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 7
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6210. 7
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1
pull
Entries 53
Mean 64.18
Std Dev 36.49
4
3
2
1
0
−1
pull1D
Entries 53
Mean −0.156
Std Dev 0.8873
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

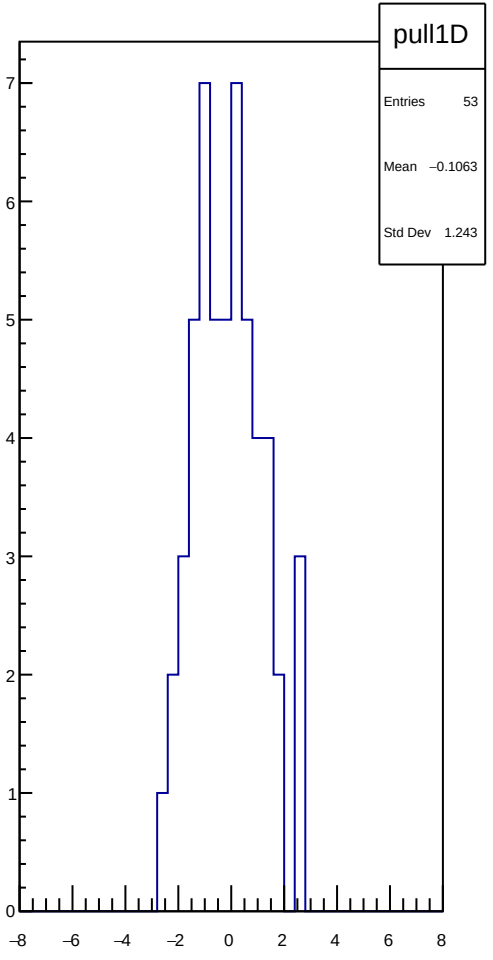

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.66 / 52
p0 −115.9 ± 7.494
pull
Entries 53
Mean 301.6
Std Dev 275.9

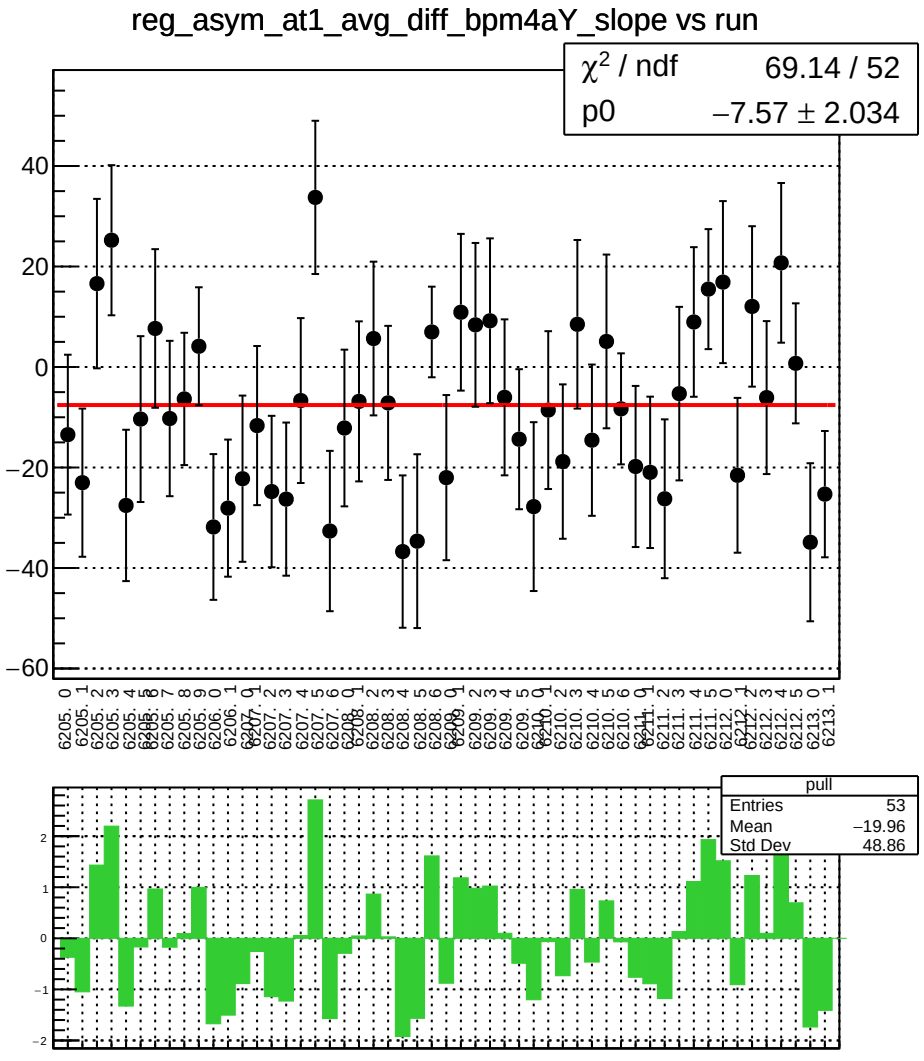

pull1D
Entries 53
Mean 0.006386
Std Dev 0.4887

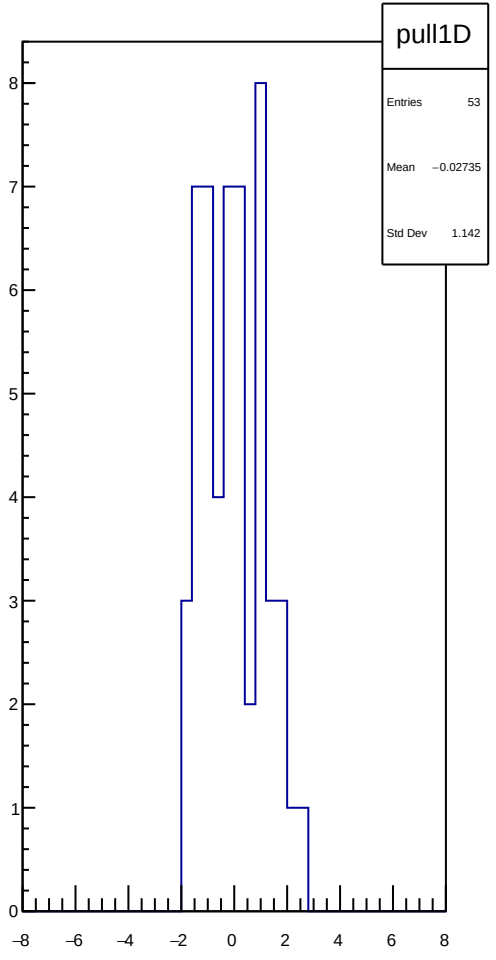

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 15.11 / 52
p0 105.9 ± 0.5561
pull
Entries 53
Mean −39.99
Std Dev 65.33

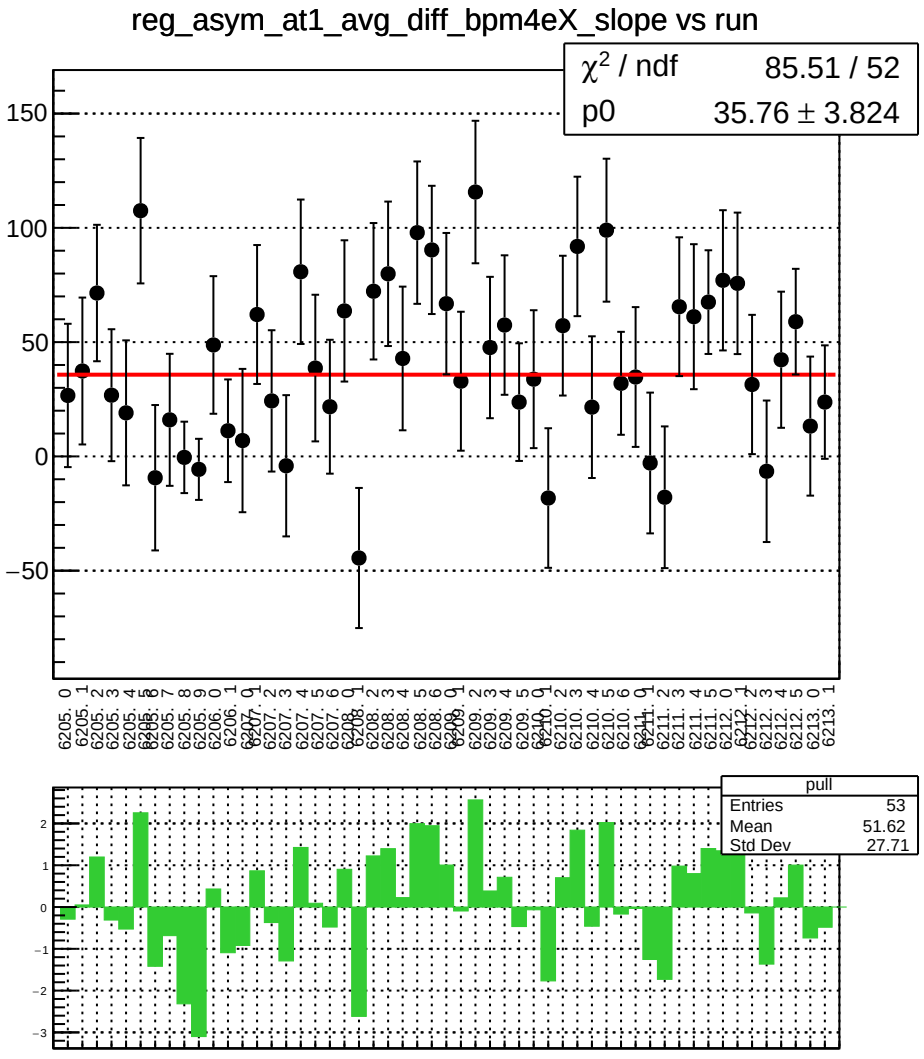

pull1D
Entries 53
Mean 0.03418
Std Dev 0.5328

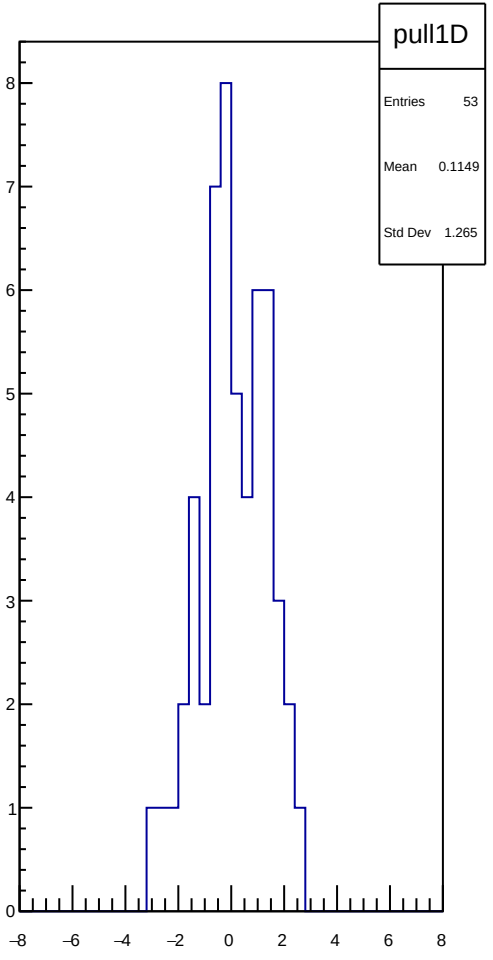

reg_asym_at1_avg_diff_bpm4aX_slope vs run
χ² / ndf 82.5 / 52
p0 −36.41 ± 3.476
50
0
−50
−100
−150
pull
Entries 53
Mean 50.74
Std Dev 28.32
3
2
1
0
−1
−2

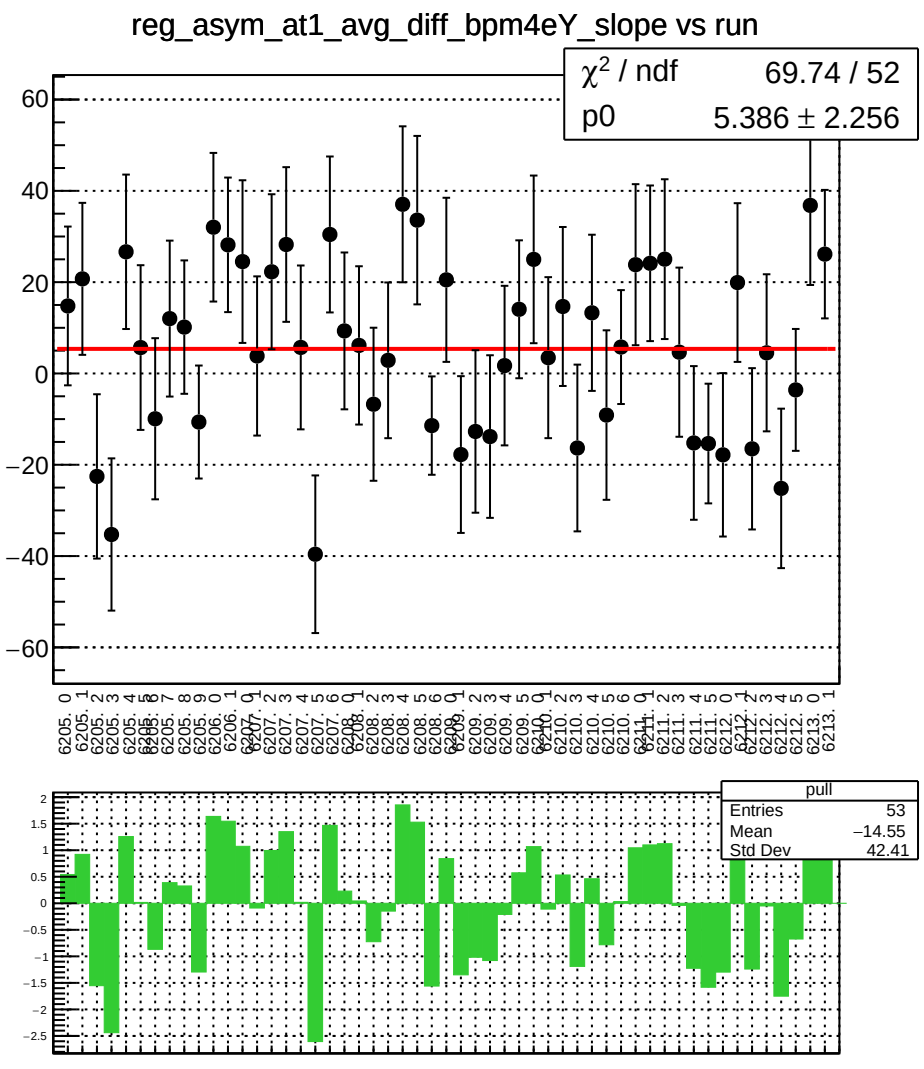

pull1D
Entries 53
Mean −0.1063
Std Dev 1.243
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

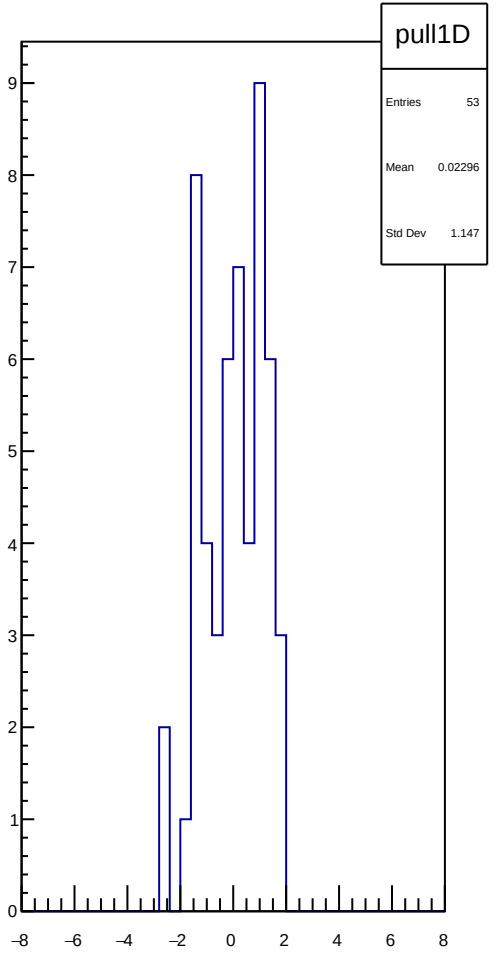

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 69.14 / 52
p0 −7.57 ± 2.034
pull
Entries 53
Mean −19.96
Std Dev 48.86

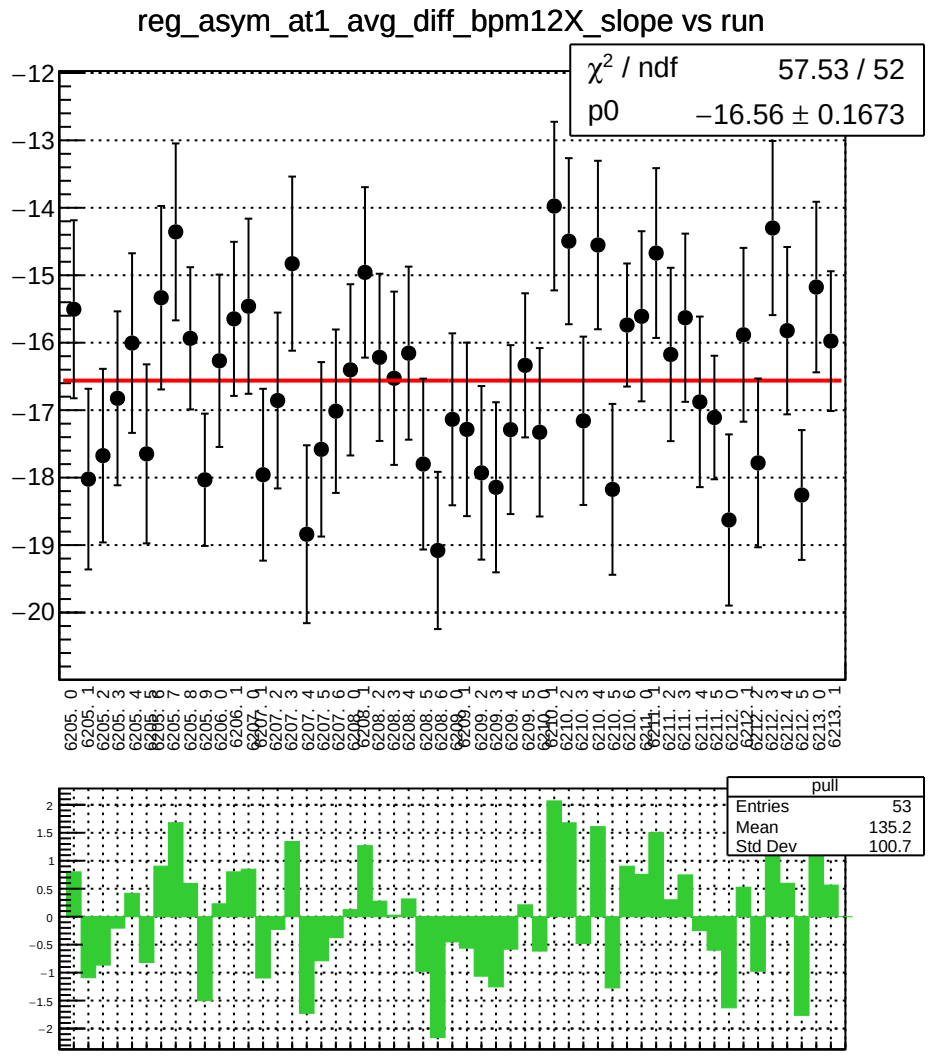

pull1D
Entries 53
Mean −0.02735
Std Dev 1.142

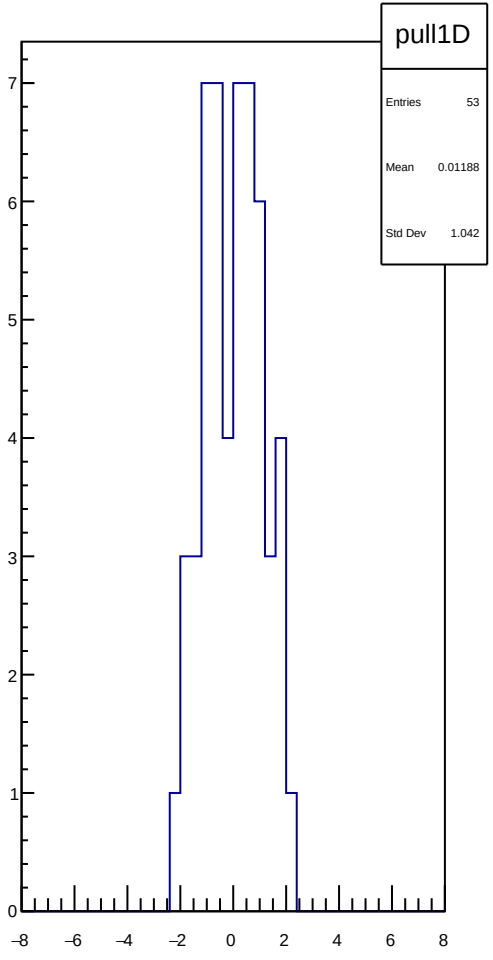

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 85.51 / 52
p0 35.76 ± 3.824
150
100
50
0
−50
pull
Entries 53
Mean 51.62
Std Dev 27.71
2
1
0
−1
−2
−3

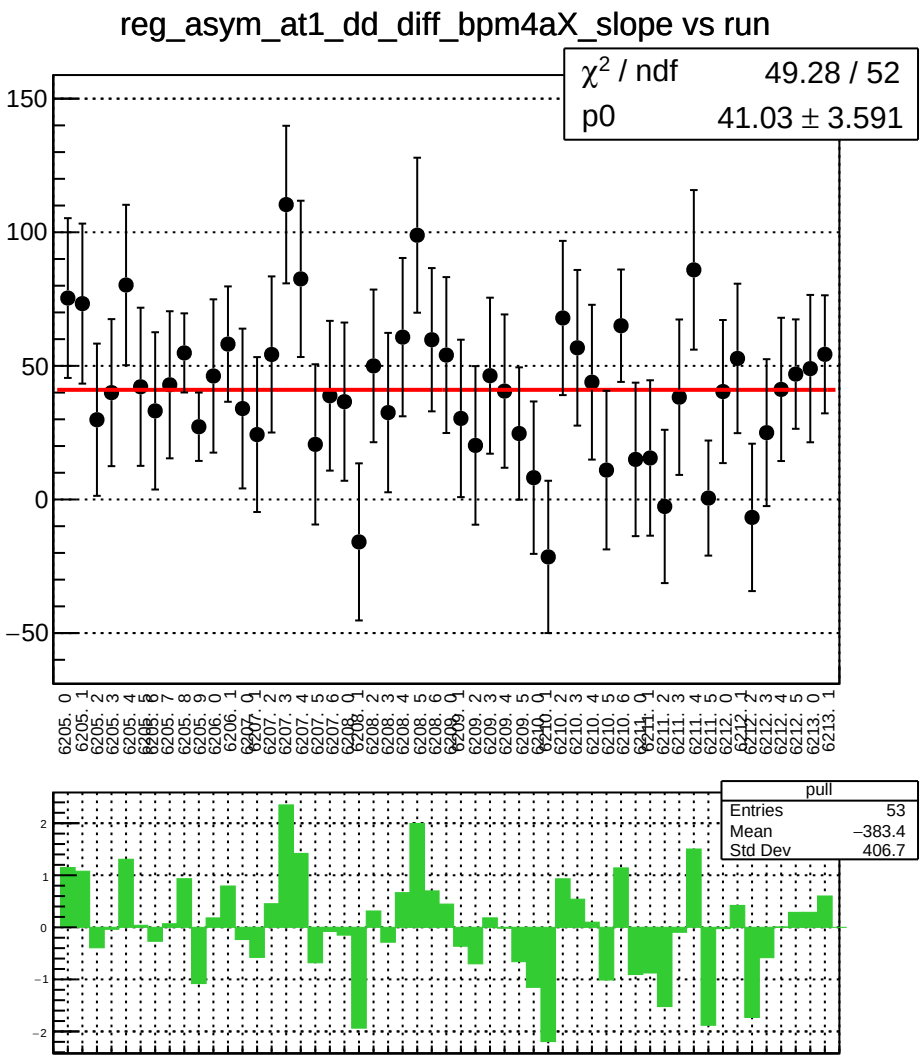

pull1D
Entries 53
Mean 0.1149
Std Dev 1.265
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

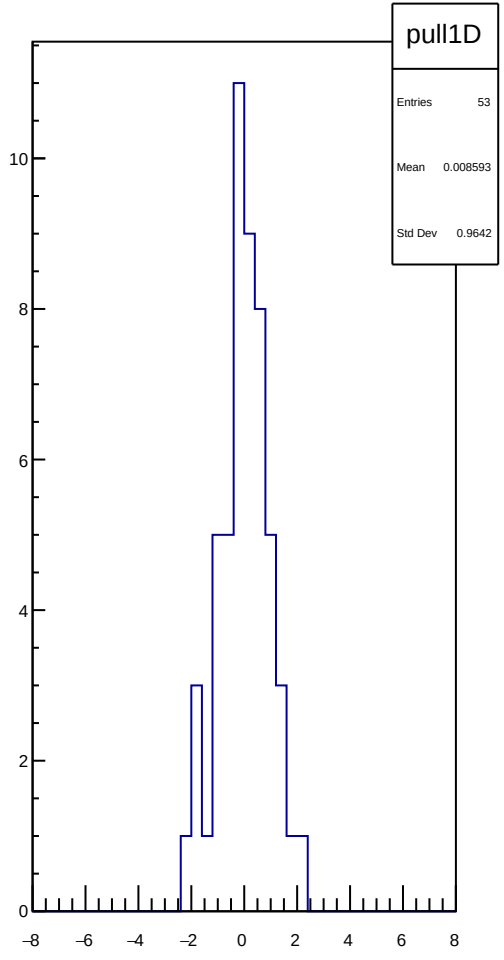

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 69.74 / 52
p0 5.386 ± 2.256
pull
Entries 53
Mean −14.55
Std Dev 42.41

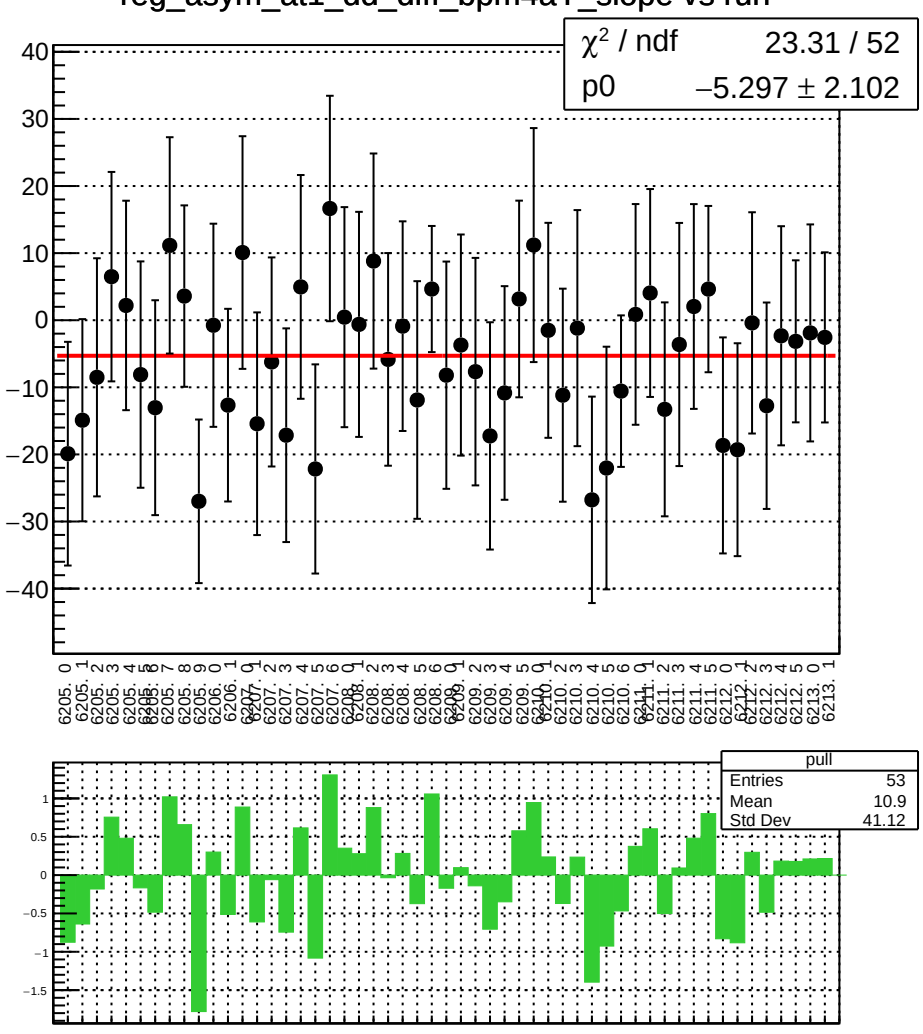

pull1D
Entries 53
Mean 0.02296
Std Dev 1.147

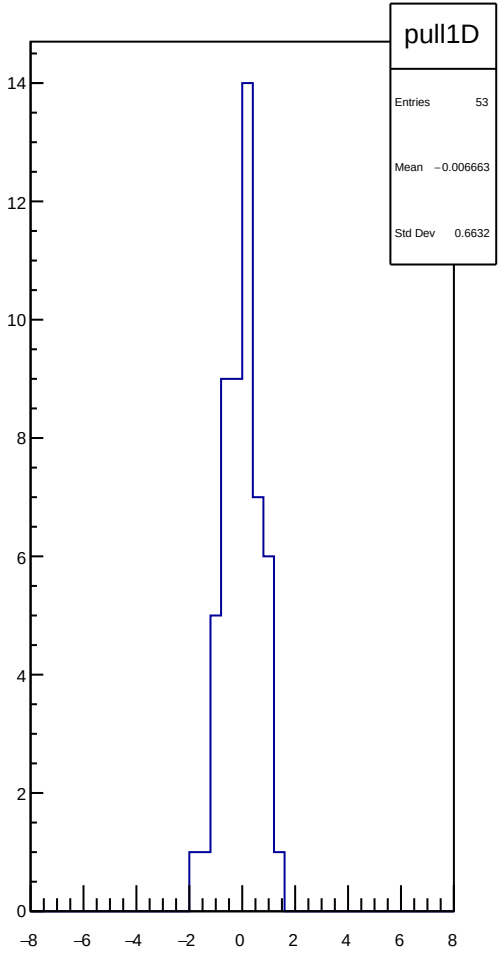

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 57.53 / 52
p0 −16.56 ± 0.1673
pull
Entries 53
Mean 135.2
Std Dev 100.7

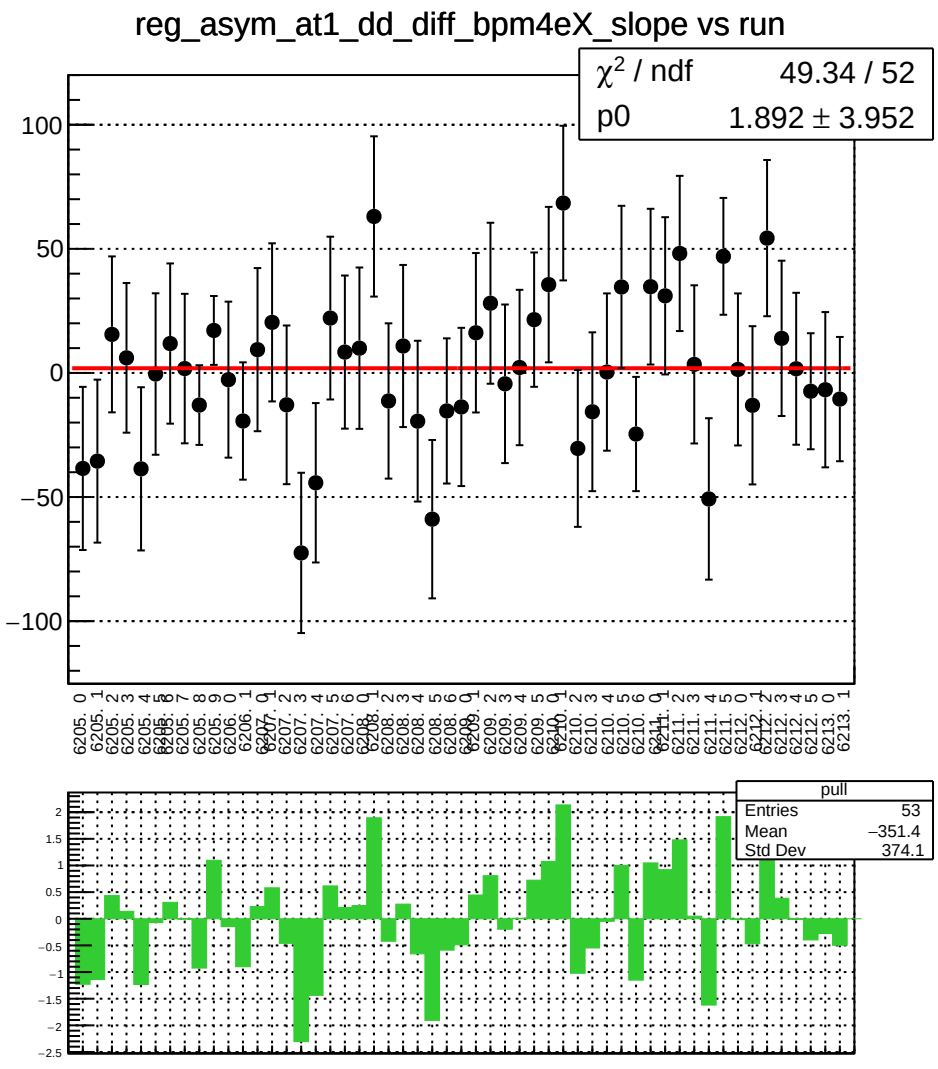

pull1D
Entries 53
Mean 0.01188
Std Dev 1.042

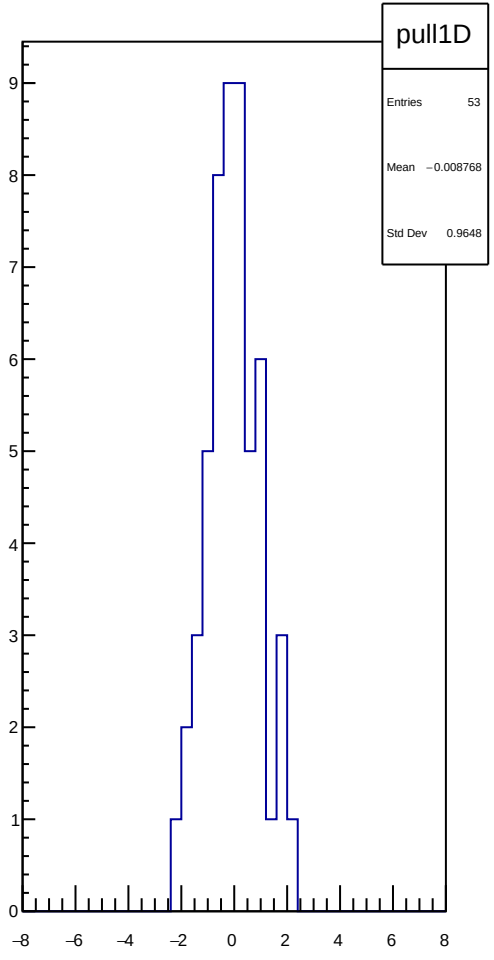

reg_asym_at1_dd_diff_bpm4aX_slope vs run
χ² / ndf 49.28 / 52
p0 41.03 ± 3.591
150
100
50
0
−50
pull
Entries 53
Mean −383.4
Std Dev 406.7
2
1
0
−1
−2

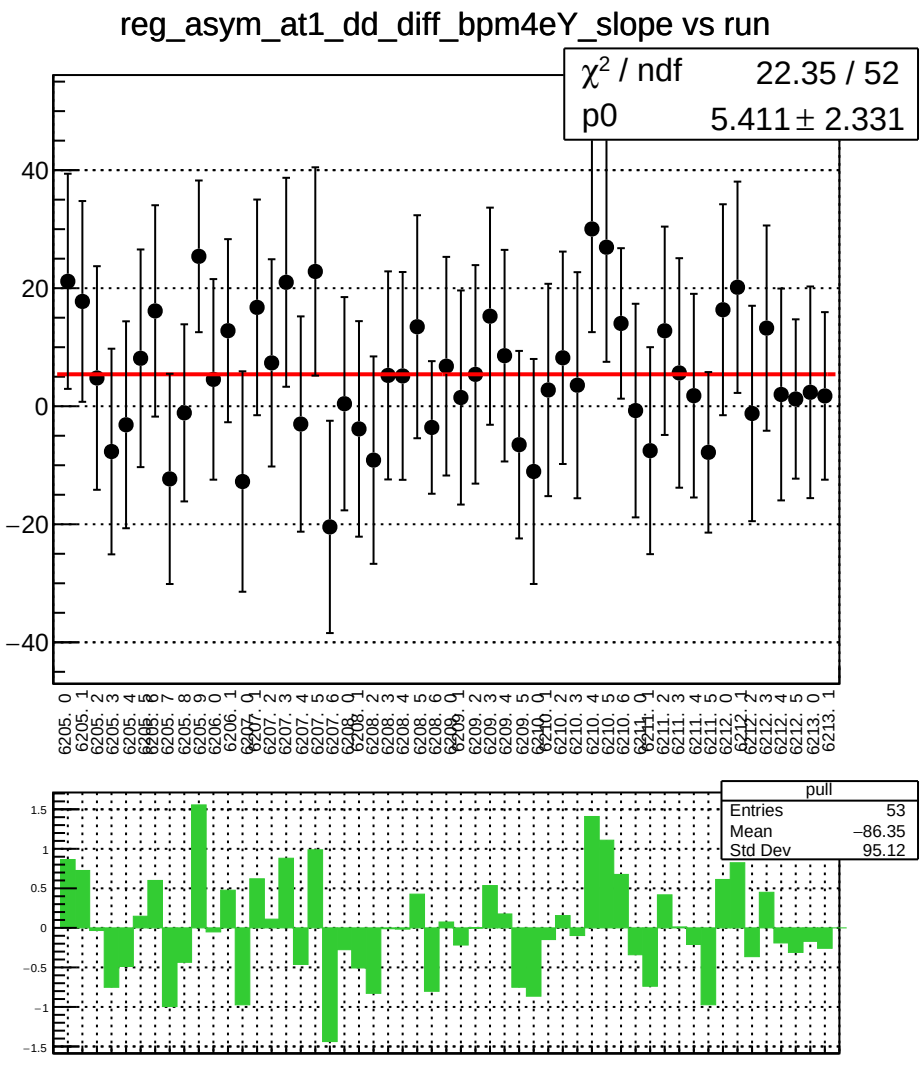

pull1D
Entries 53
Mean 0.008593
Std Dev 0.9642
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

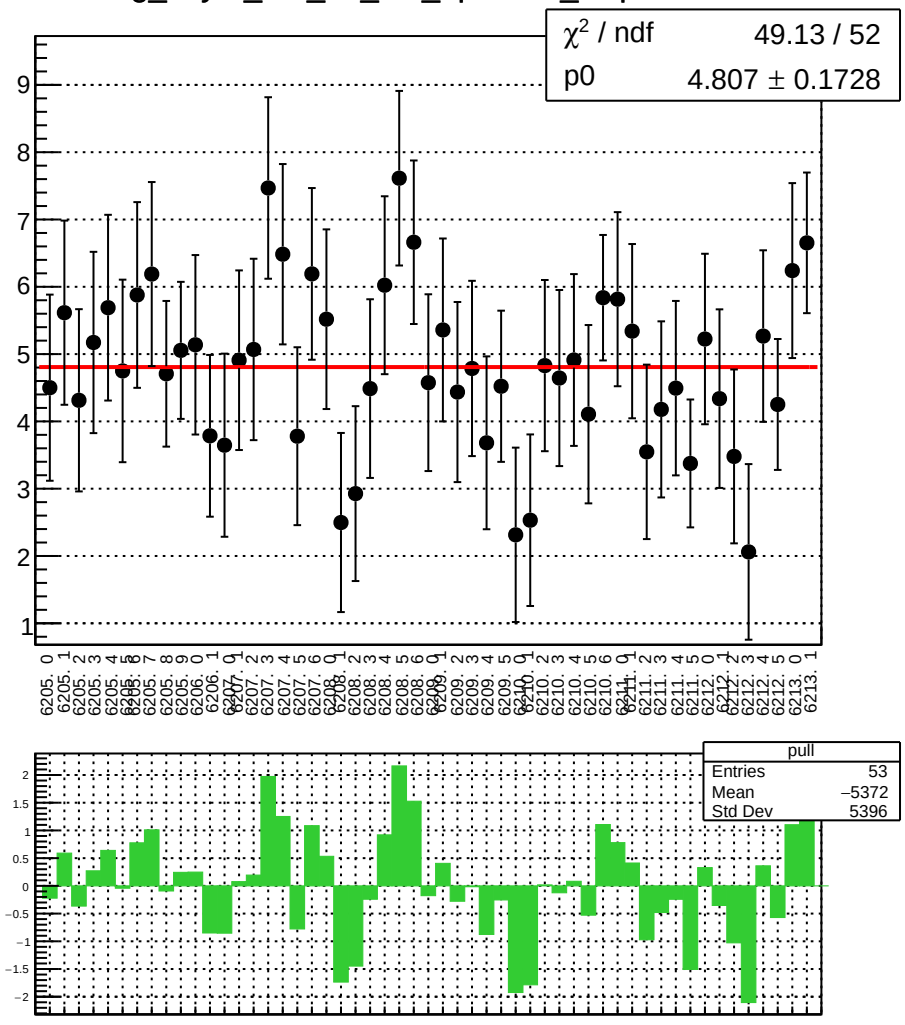

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 23.31 / 52
p0 −5.297 ± 2.102
pull
Entries 53
Mean 10.9
Std Dev 41.12

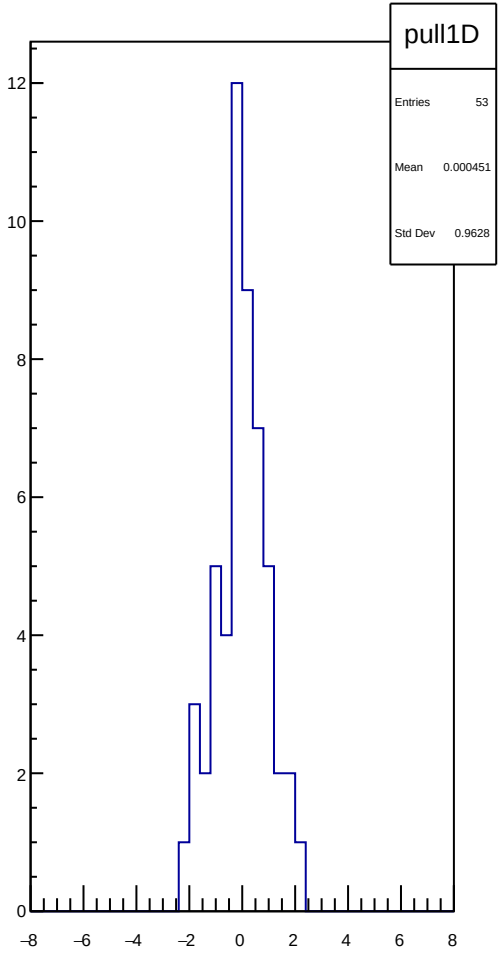

pull1D
Entries 53
Mean −0.006663
Std Dev 0.6632

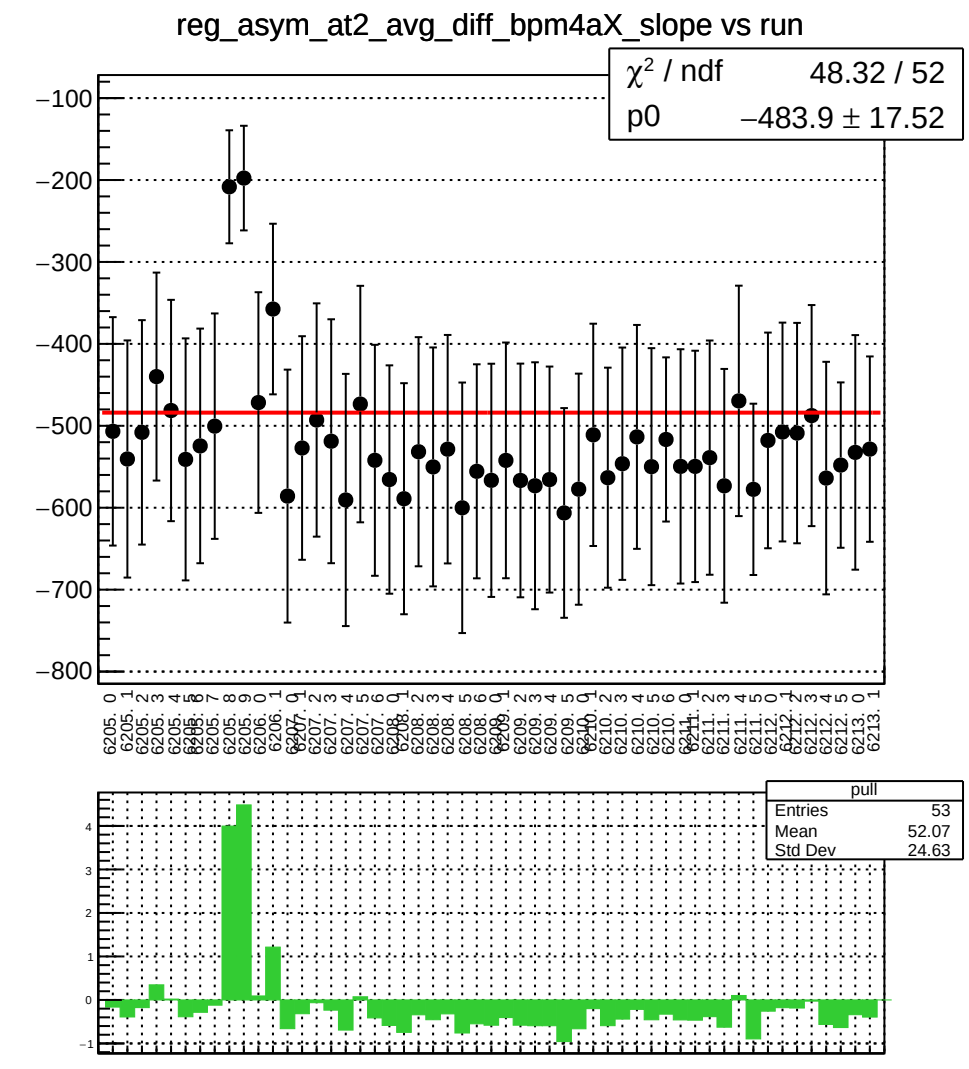

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 49.34 / 52
p0 1.892 ± 3.952
100
50
0
−50
−100
pull
Entries 53
Mean −351.4
Std Dev 374.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

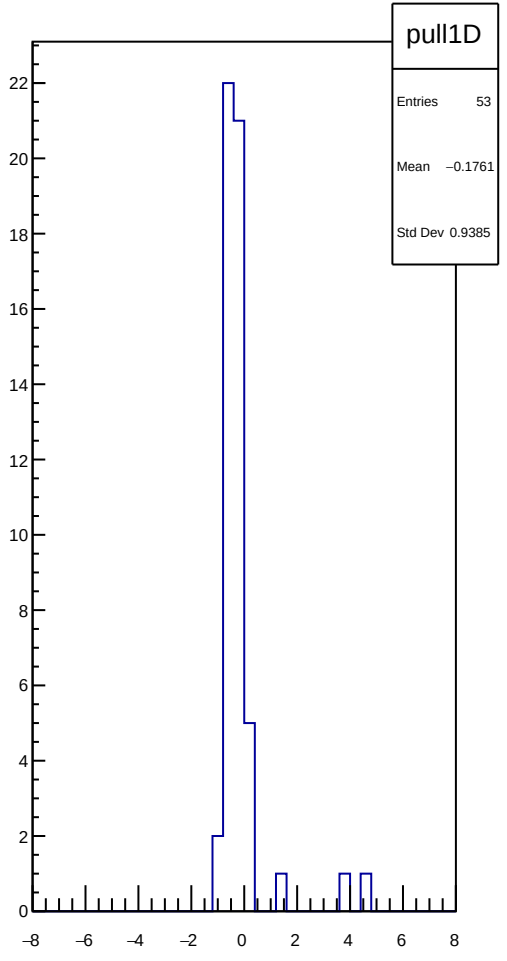

pull1D
Entries 53
Mean −0.008768
Std Dev 0.9648
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

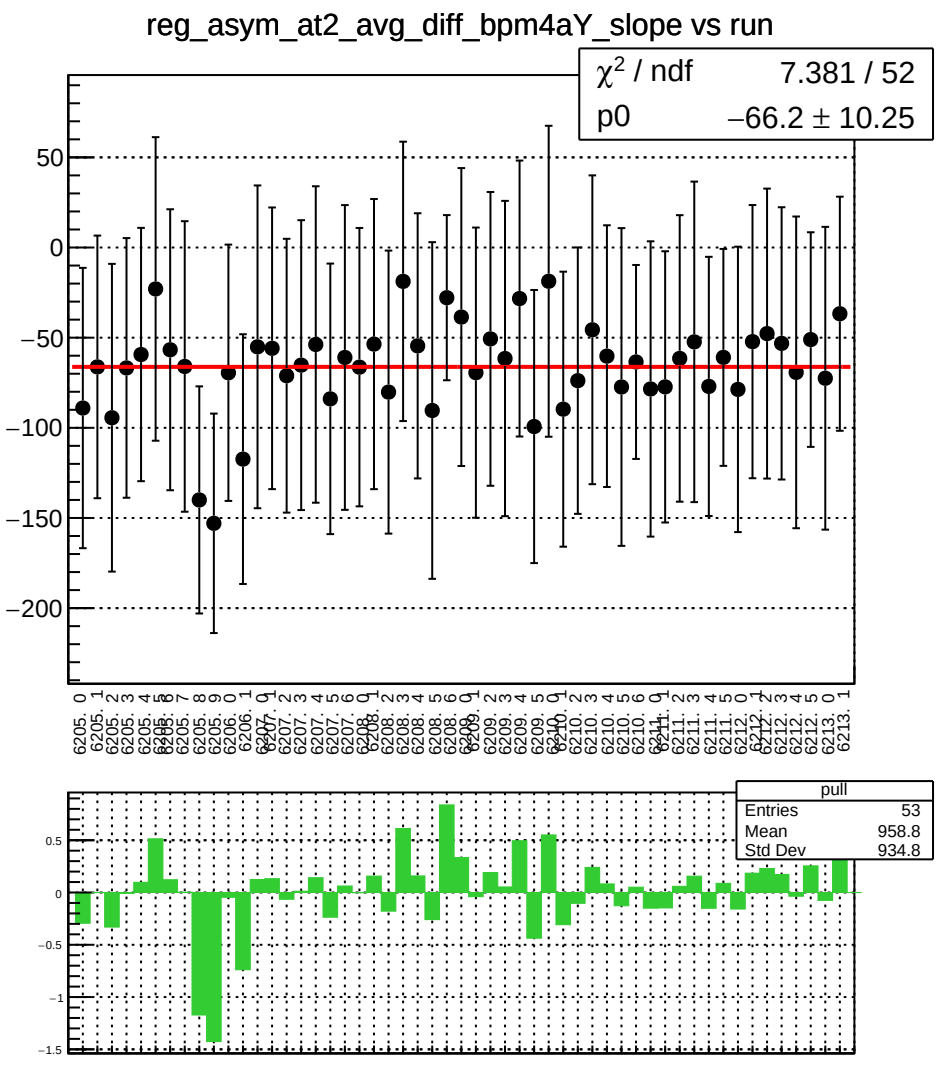

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 22.35 / 52
p0 5.411 ± 2.331
40
20
0
−20
−40
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 5
6205. 6
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 0
6207. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6207. 7
6208. 0
6208. 1
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6208. 7
6209. 0
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6209. 6
6210. 0
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6210. 7
6211. 0
6211. 1
6211. 2
6211. 3
6211. 4
6211. 5
6212. 0
6212. 1
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1
pull
Entries 53
Mean −86.35
Std Dev 95.12
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 53
Mean 0.002823
Std Dev 0.6494
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

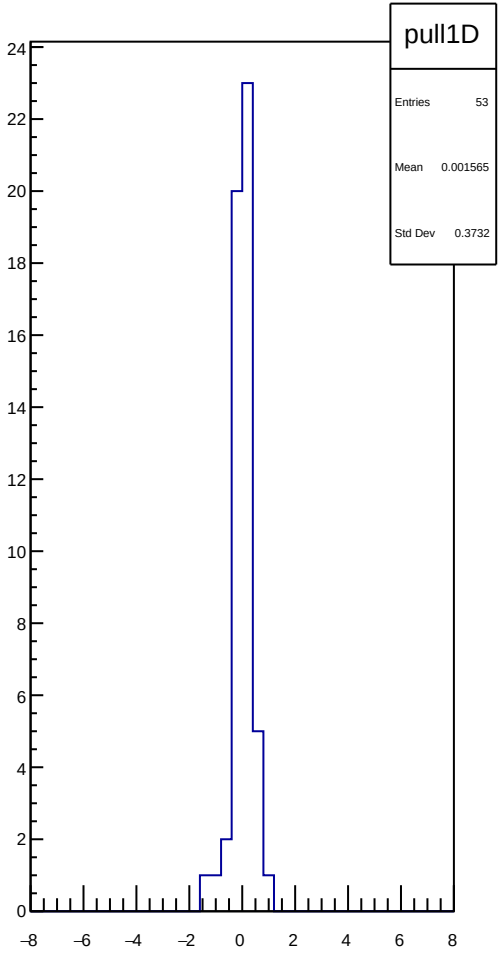

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 49.13 / 52
p0 4.807 ± 0.1728
pull
Entries 53
Mean −5372
Std Dev 5396

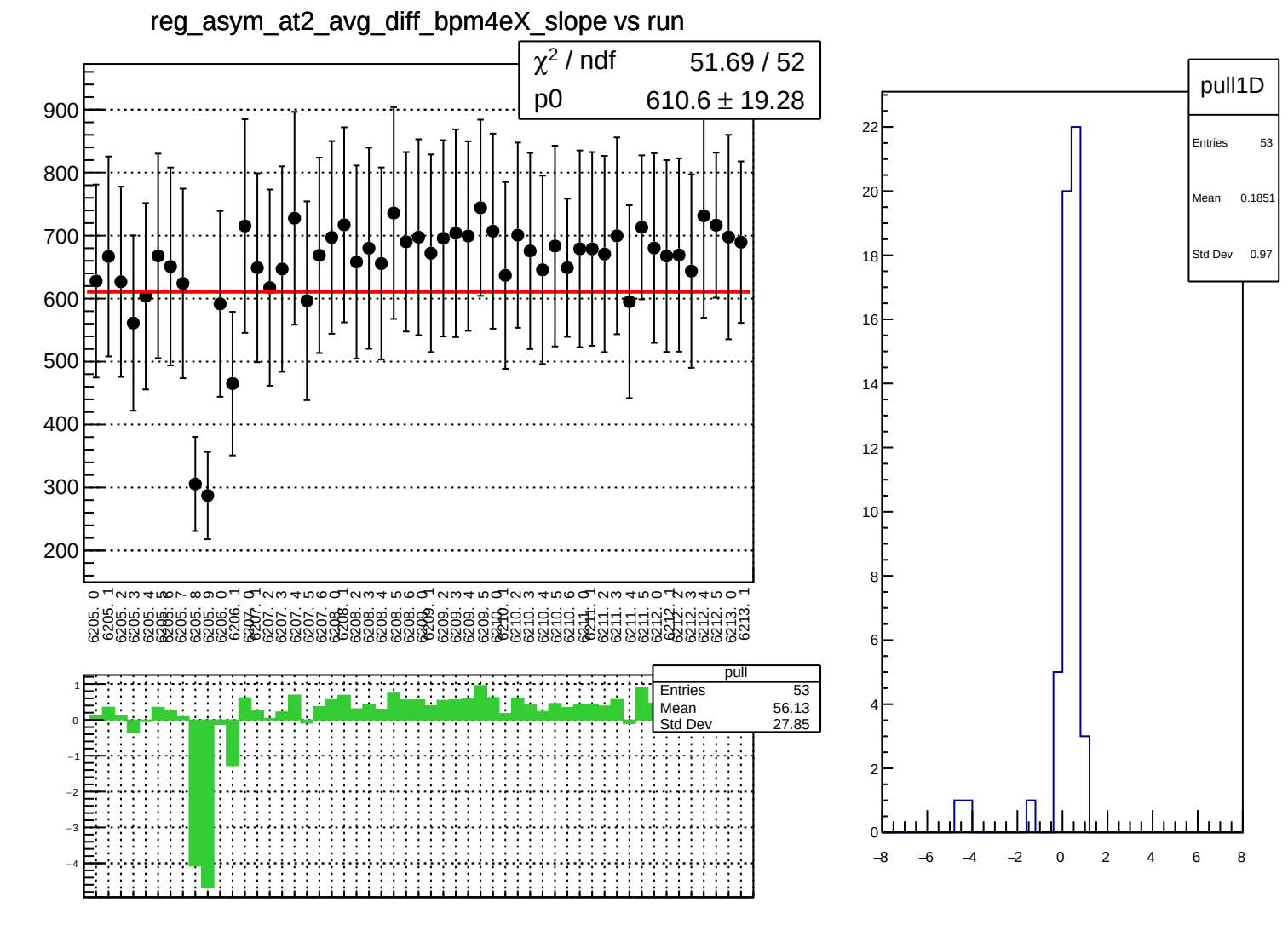

pull1D
Entries 53
Mean 0.000451
Std Dev 0.9628

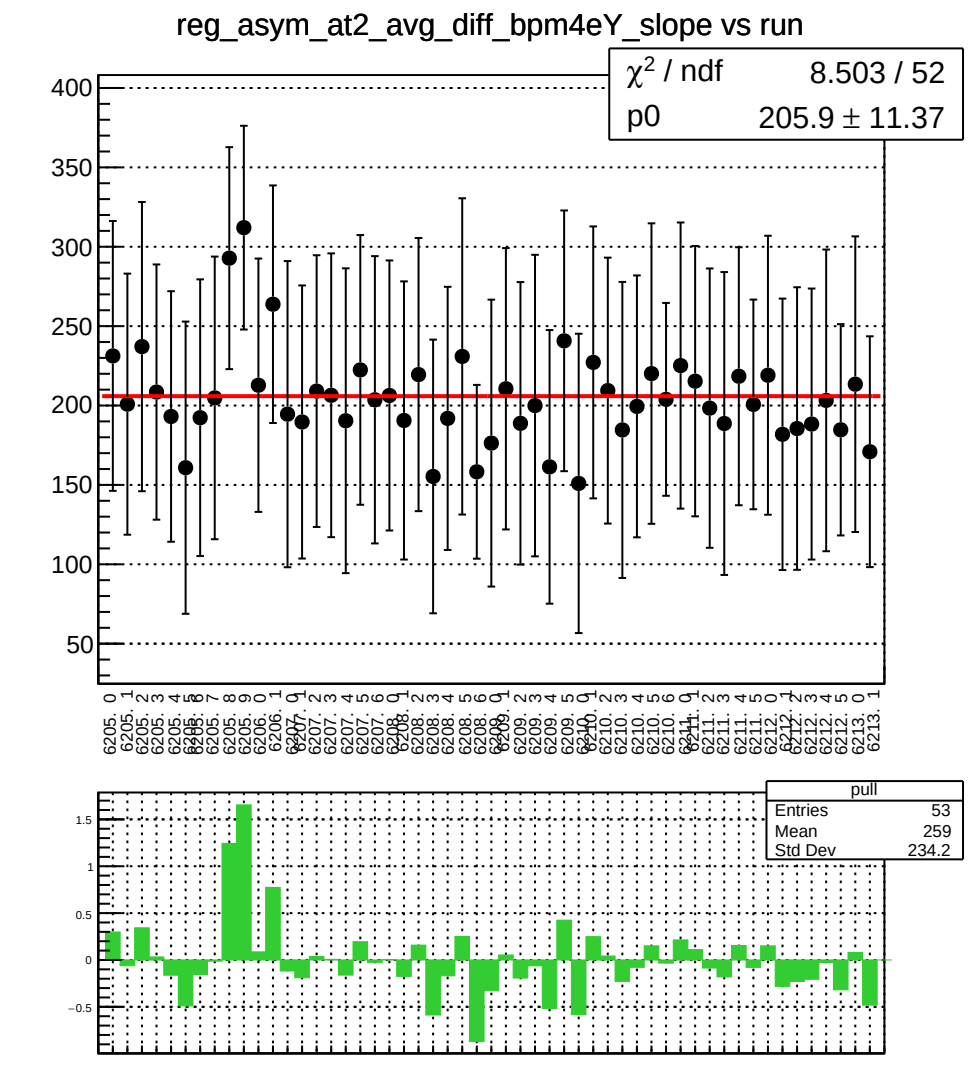

reg_asym_at2_avg_diff_bpm4aX_slope vs run
χ² / ndf 48.32 / 52
p0 −483.9 ± 17.52
pull
Entries 53
Mean 52.07
Std Dev 24.63

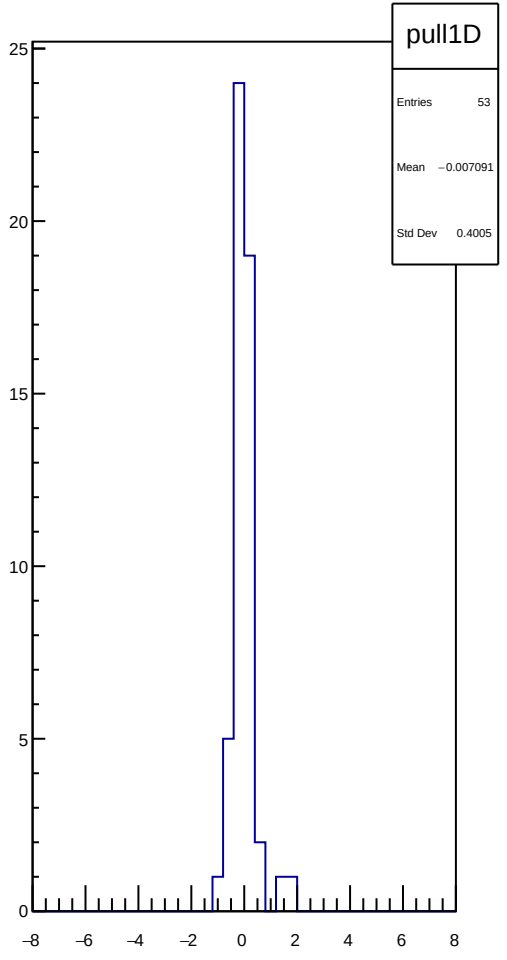

pull1D
Entries 53
Mean −0.1761
Std Dev 0.9385

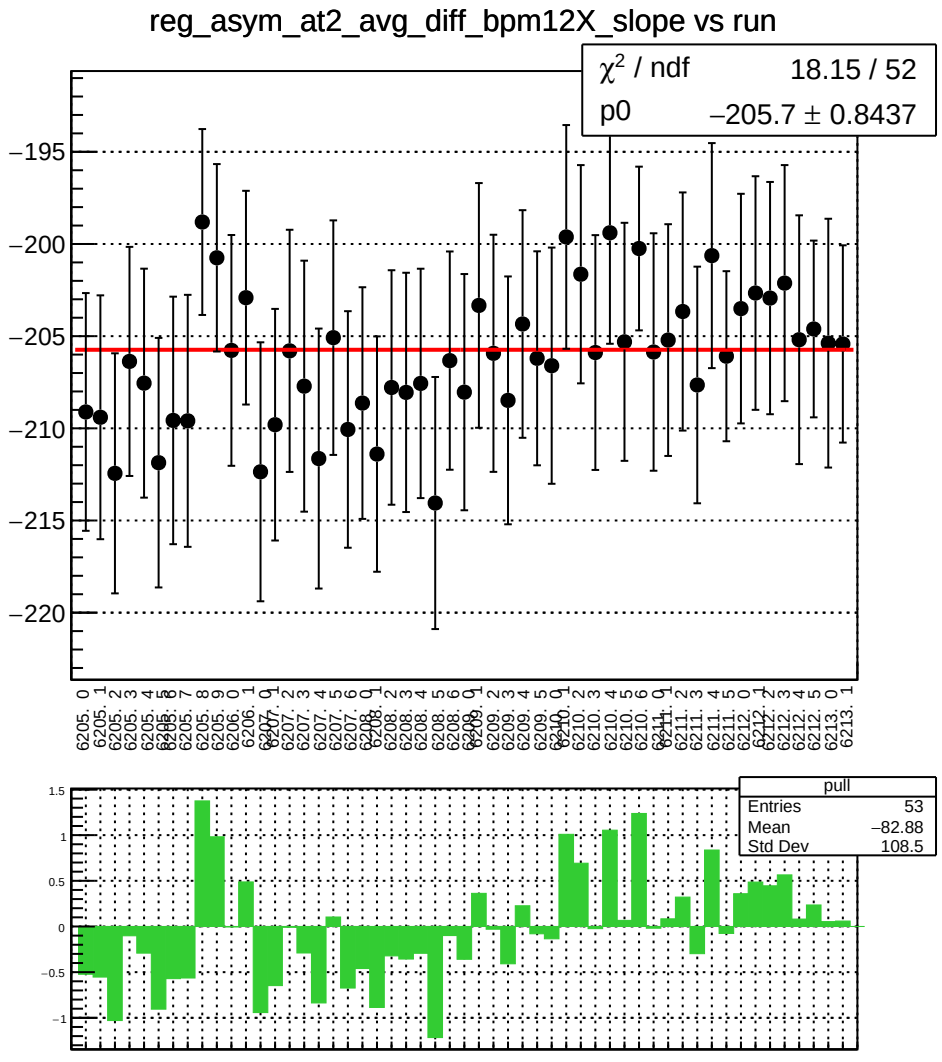

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.381 / 52
p0 −66.2 ± 10.25
pull
Entries 53
Mean 958.8
Std Dev 934.8

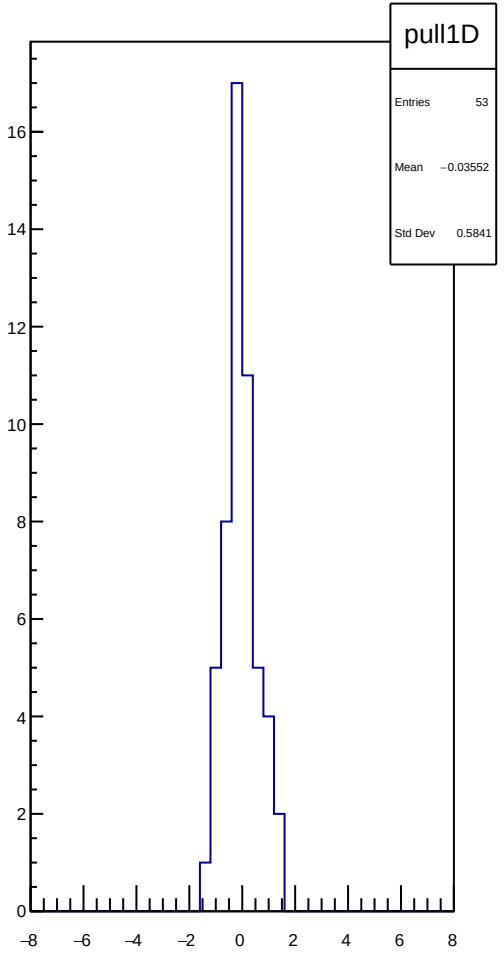

pull1D
Entries 53
Mean 0.001565
Std Dev 0.3732

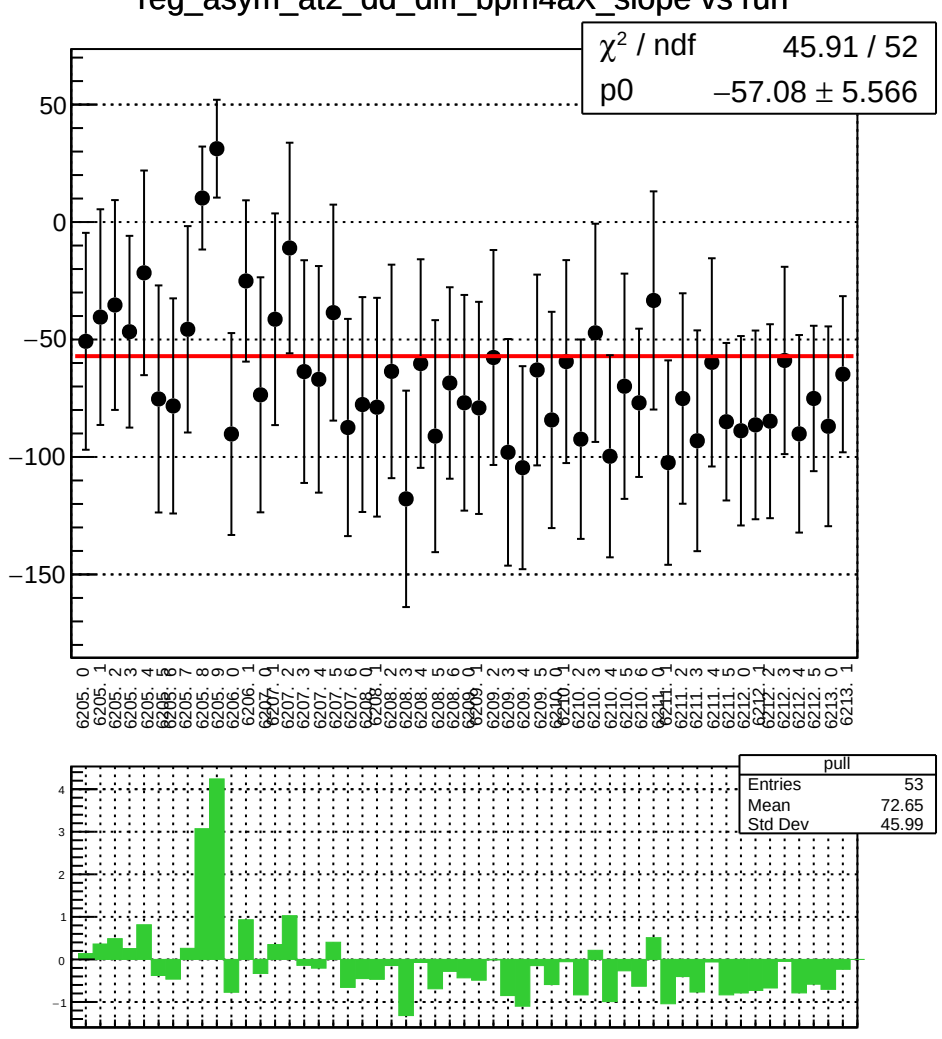

reg_asym_at2_avg_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 51.69 / 52
p0 610.6 ± 19.28
900
800
700
600
500
400
300
200
6205. 0
6205. 1
6205. 2
6205. 3
6205. 4
6205. 7
6205. 8
6205. 9
6206. 0
6206. 1
6207. 2
6207. 3
6207. 4
6207. 5
6207. 6
6208. 2
6208. 3
6208. 4
6208. 5
6208. 6
6209. 1
6209. 2
6209. 3
6209. 4
6209. 5
6210. 1
6210. 2
6210. 3
6210. 4
6210. 5
6210. 6
6211. 2
6211. 3
6211. 4
6211. 5
6212. 2
6212. 3
6212. 4
6212. 5
6213. 0
6213. 1
pull
Entries 53
Mean 56.13
Std Dev 27.85
1
0
−1
−2
−3
−4
pull1D
Entries 53
Mean 0.1851
Std Dev 0.97
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

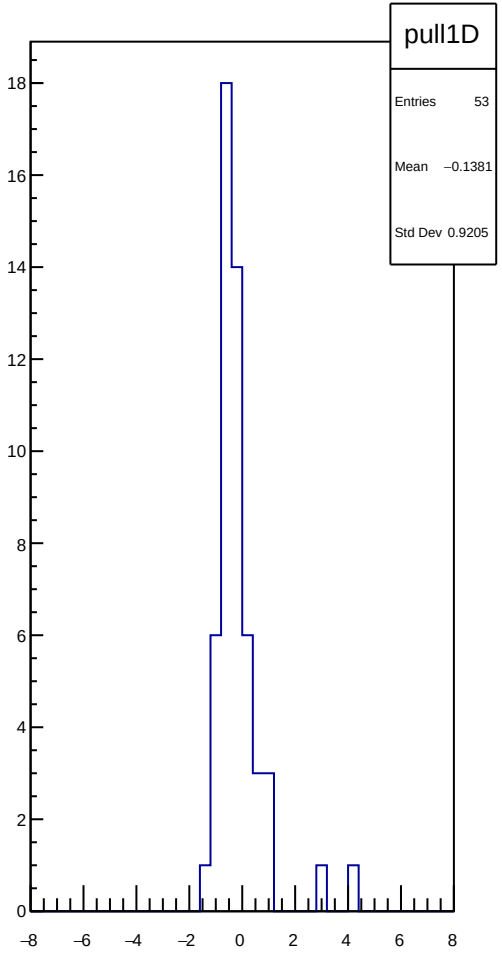

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.503 / 52
p0 205.9 ± 11.37
pull
Entries 53
Mean 259
Std Dev 234.2

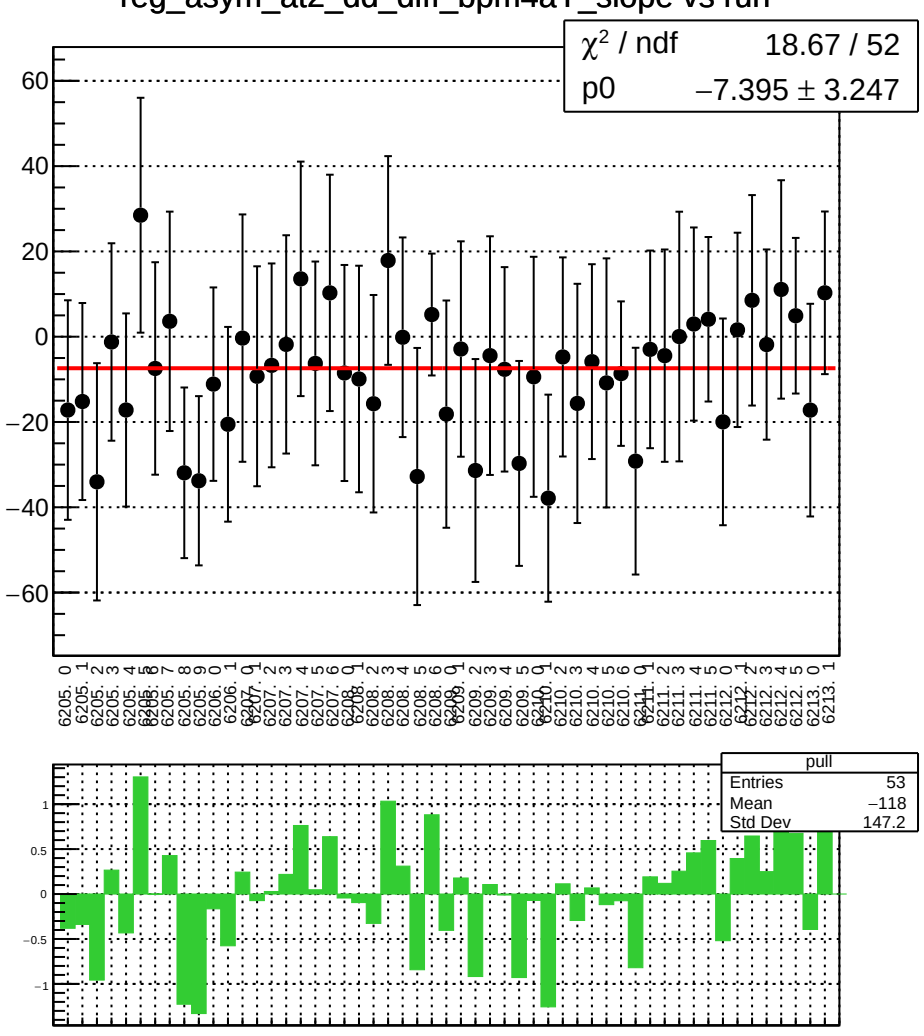

pull1D
Entries 53
Mean −0.007091
Std Dev 0.4005

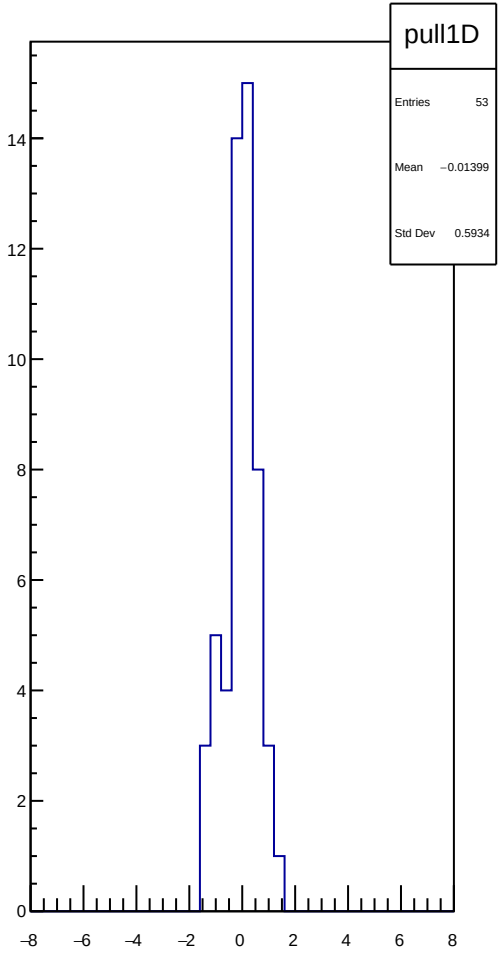

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 18.15 / 52
p0 −205.7 ± 0.8437
pull
Entries 53
Mean −82.88
Std Dev 108.5

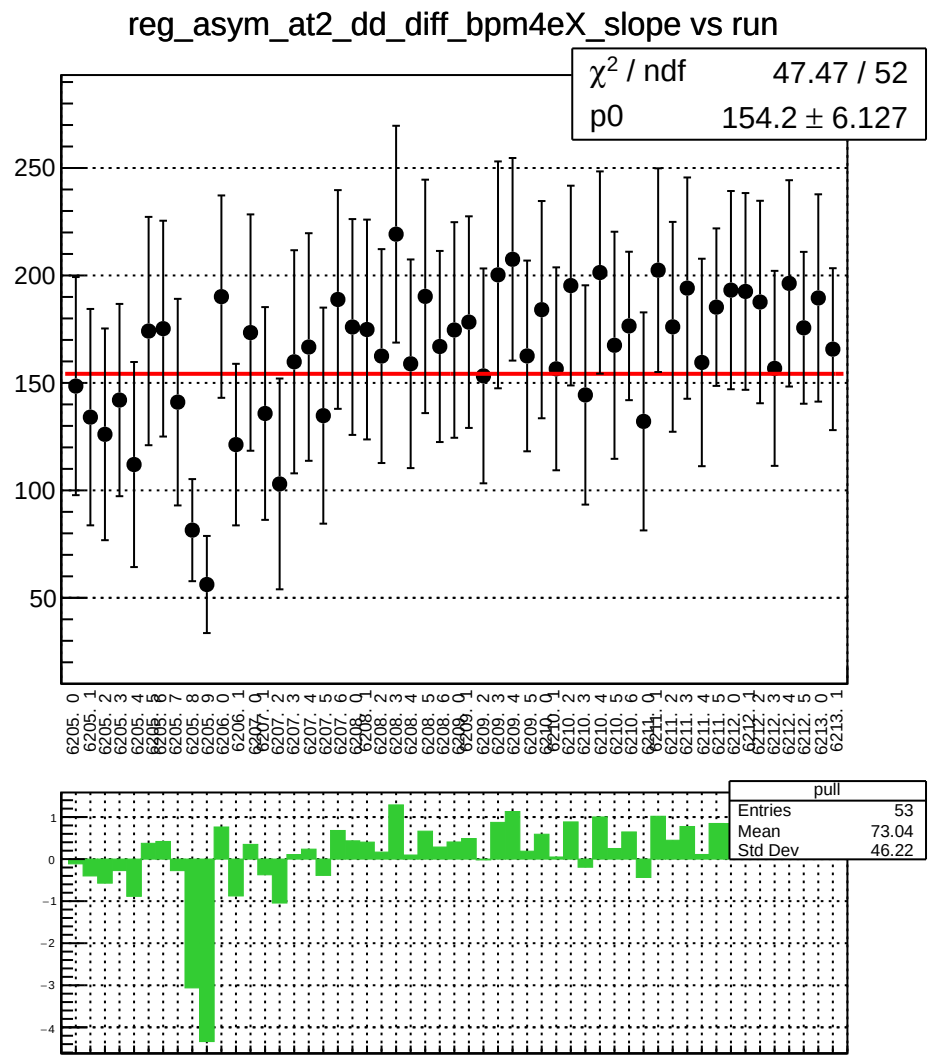

pull1D
Entries 53
Mean −0.03552
Std Dev 0.5841

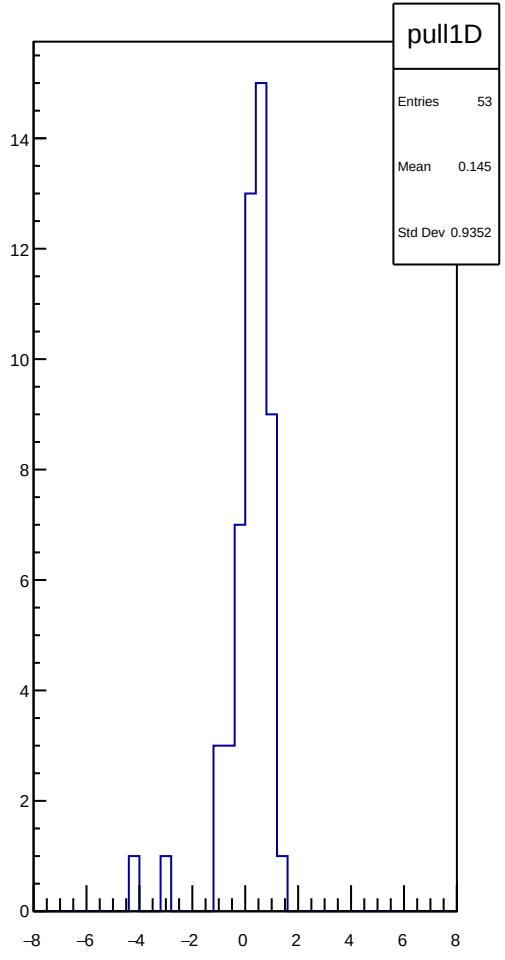

reg_asym_at2_dd_diff_bpm4aX_slope vs run
χ² / ndf 45.91 / 52
p0 −57.08 ± 5.566
pull
Entries 53
Mean 72.65
Std Dev 45.99

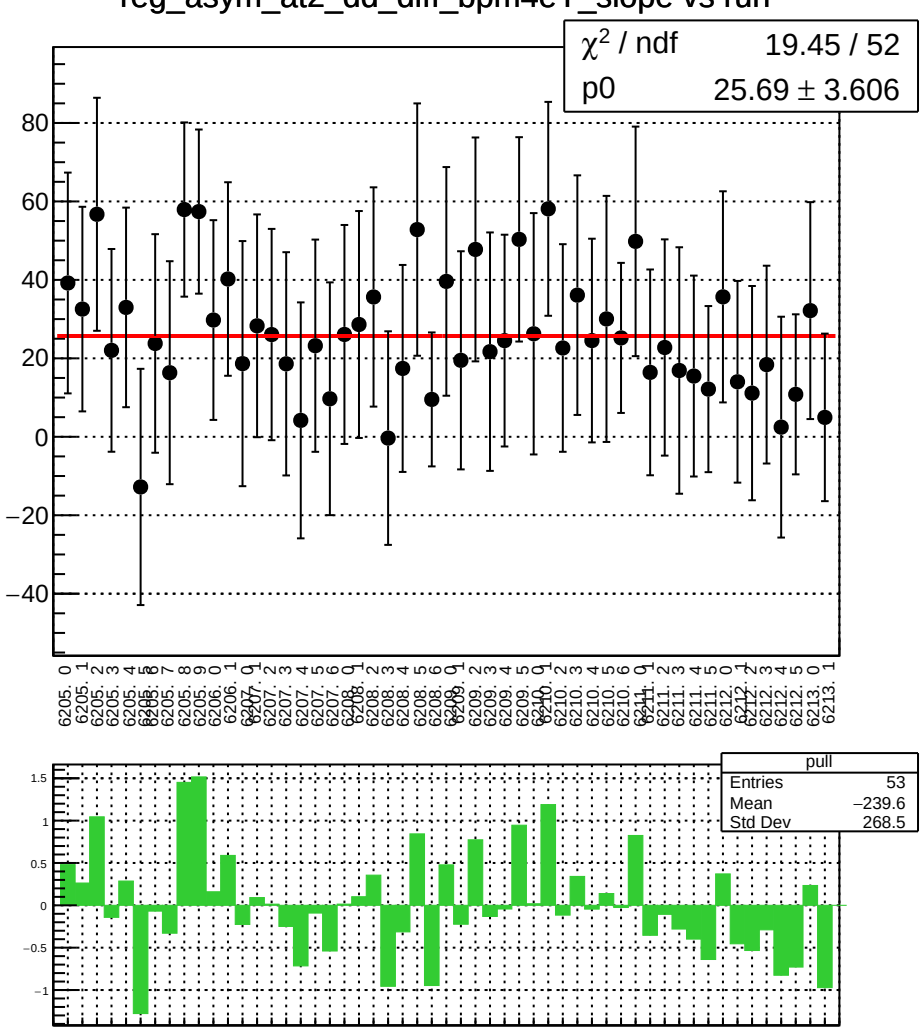

pull1D
Entries 53
Mean −0.1381
Std Dev 0.9205

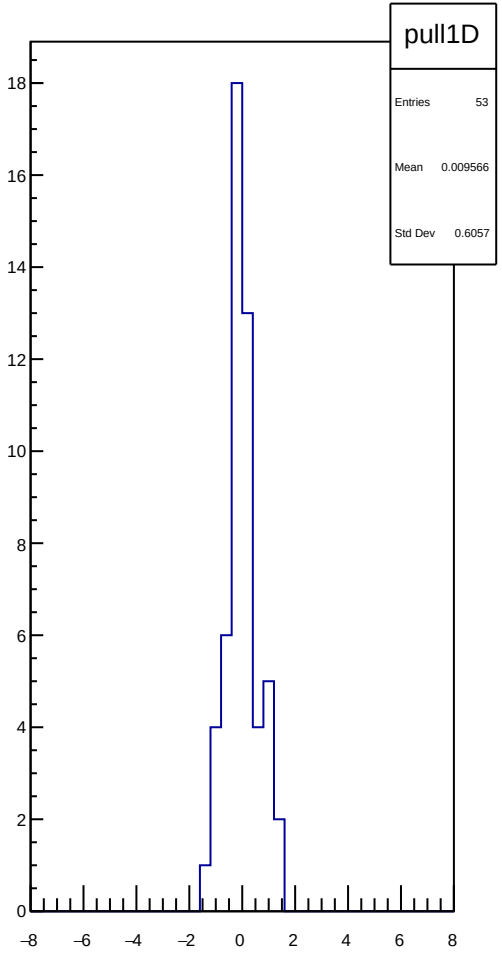

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 18.67 / 52
p0 −7.395 ± 3.247
pull
Entries 53
Mean −118
Std Dev 147.2

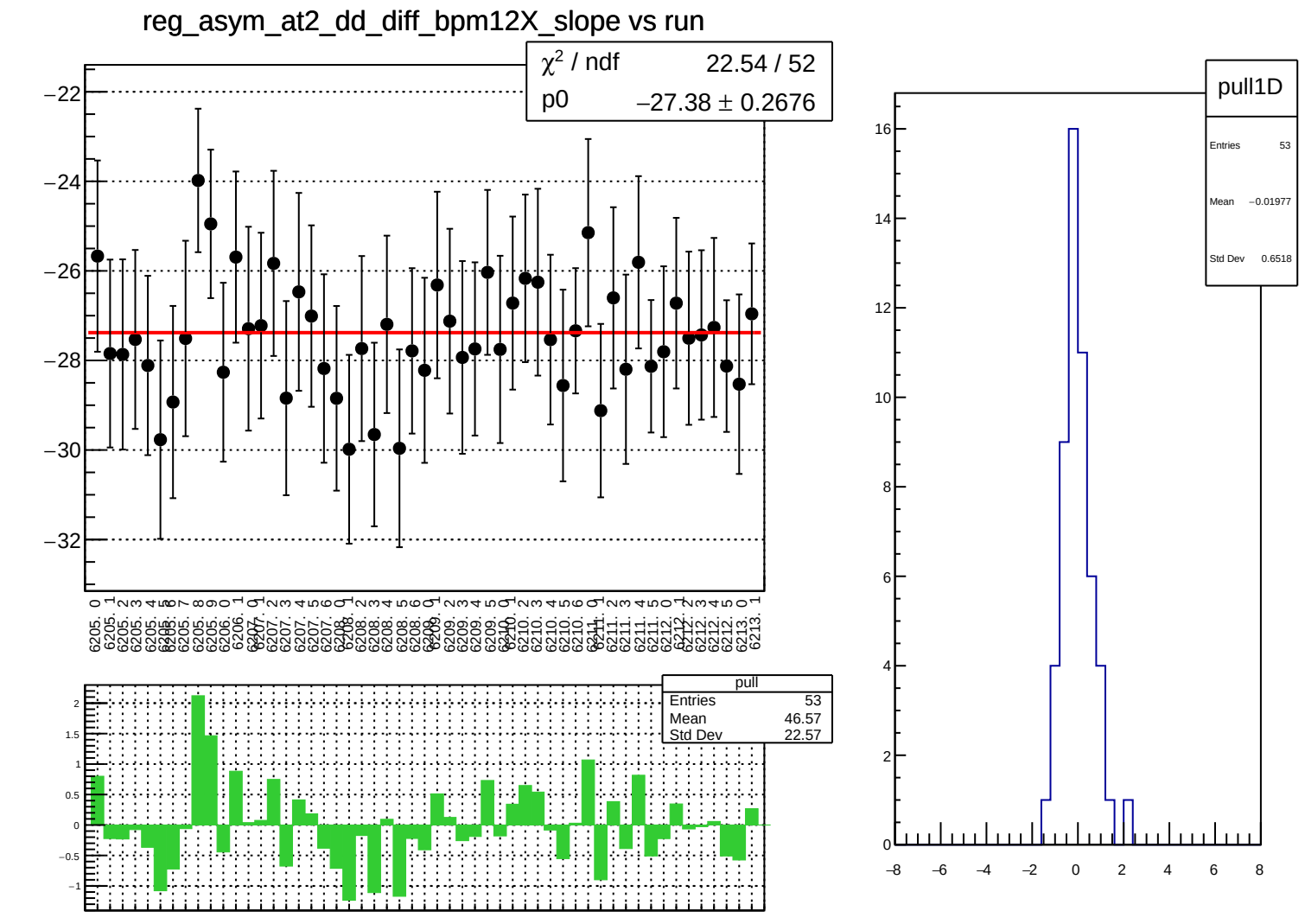

pull1D
Entries 53
Mean −0.01399
Std Dev 0.5934

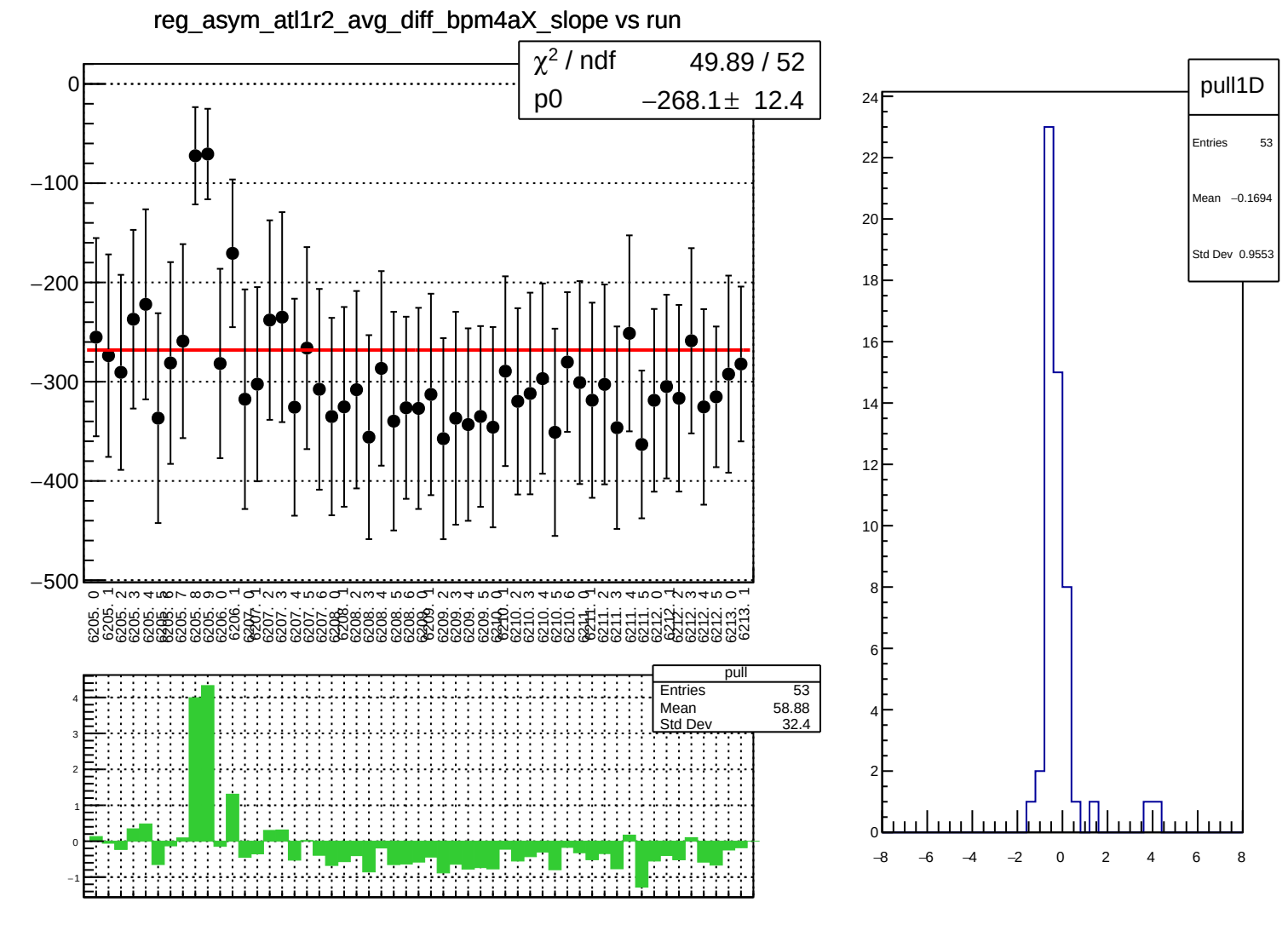

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 47.47 / 52
p0 154.2 ± 6.127
250
200
150
100
50
pull
Entries 53
Mean 73.04
Std Dev 46.22
1
0
−1
−2
−3
−4

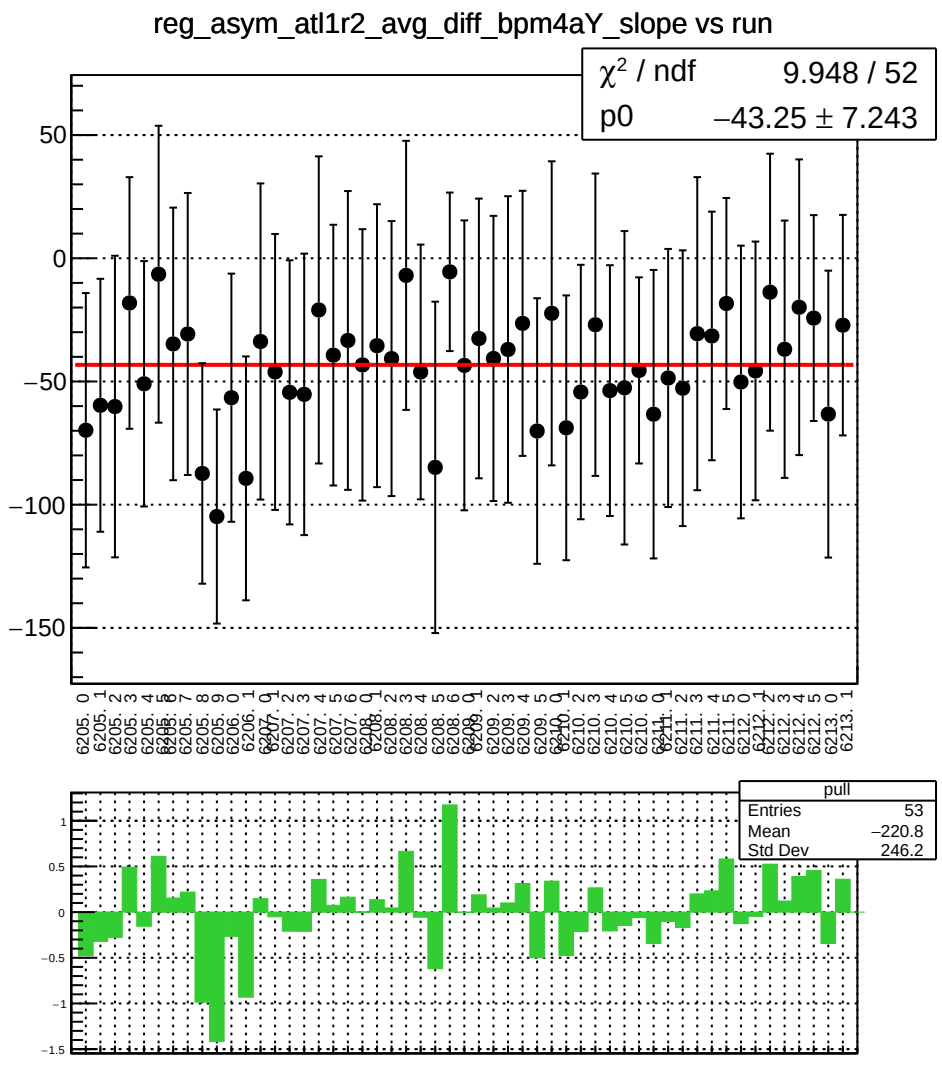

pull1D
Entries 53
Mean 0.145
Std Dev 0.9352
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

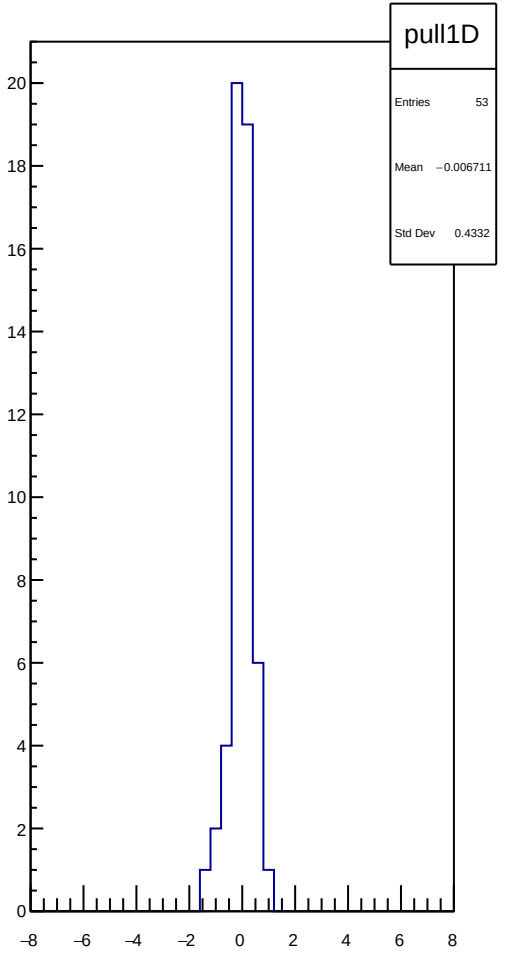

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 19.45 / 52
p0 25.69 ± 3.606
pull
Entries 53
Mean −239.6
Std Dev 268.5

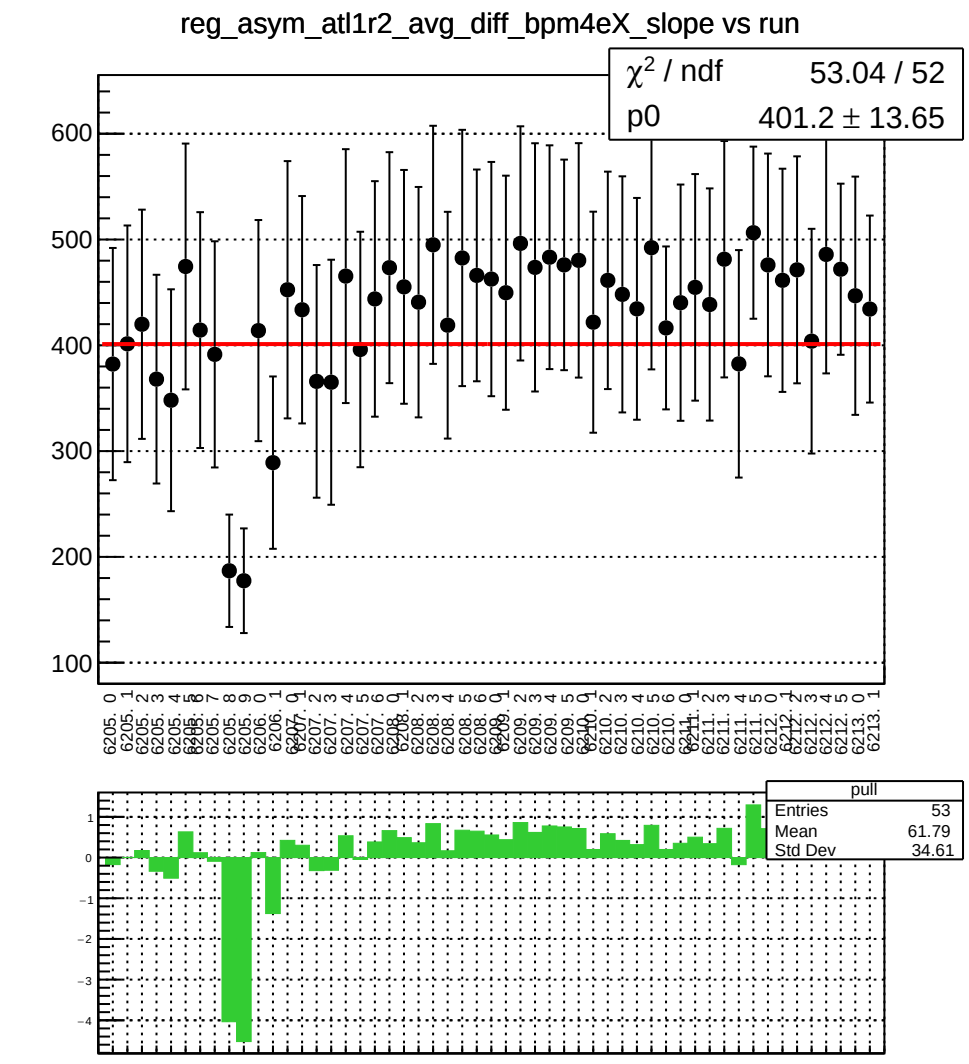

pull1D
Entries 53
Mean 0.009566
Std Dev 0.6057

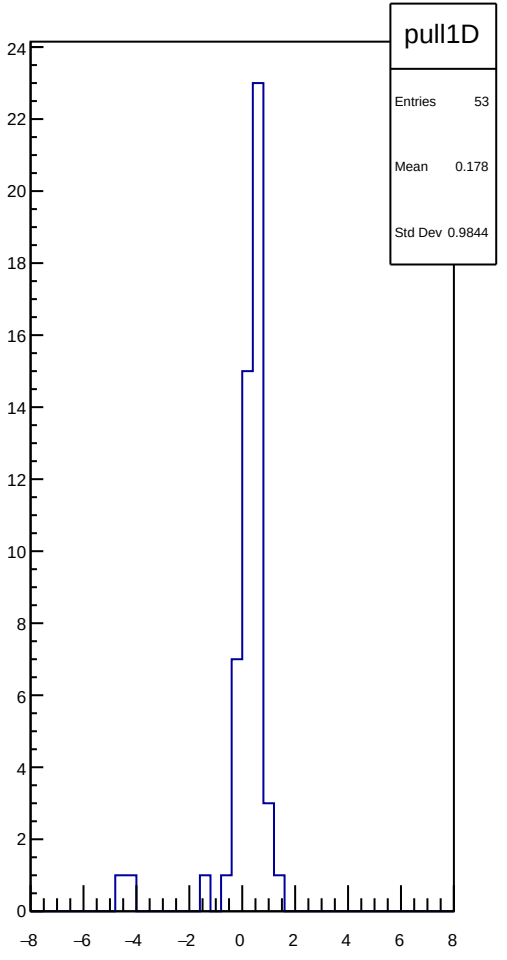

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 22.54 / 52
p0 −27.38 ± 0.2676
pull
Entries 53
Mean 46.57
Std Dev 22.57
pull1D
Entries 53
Mean −0.01977
Std Dev 0.6518

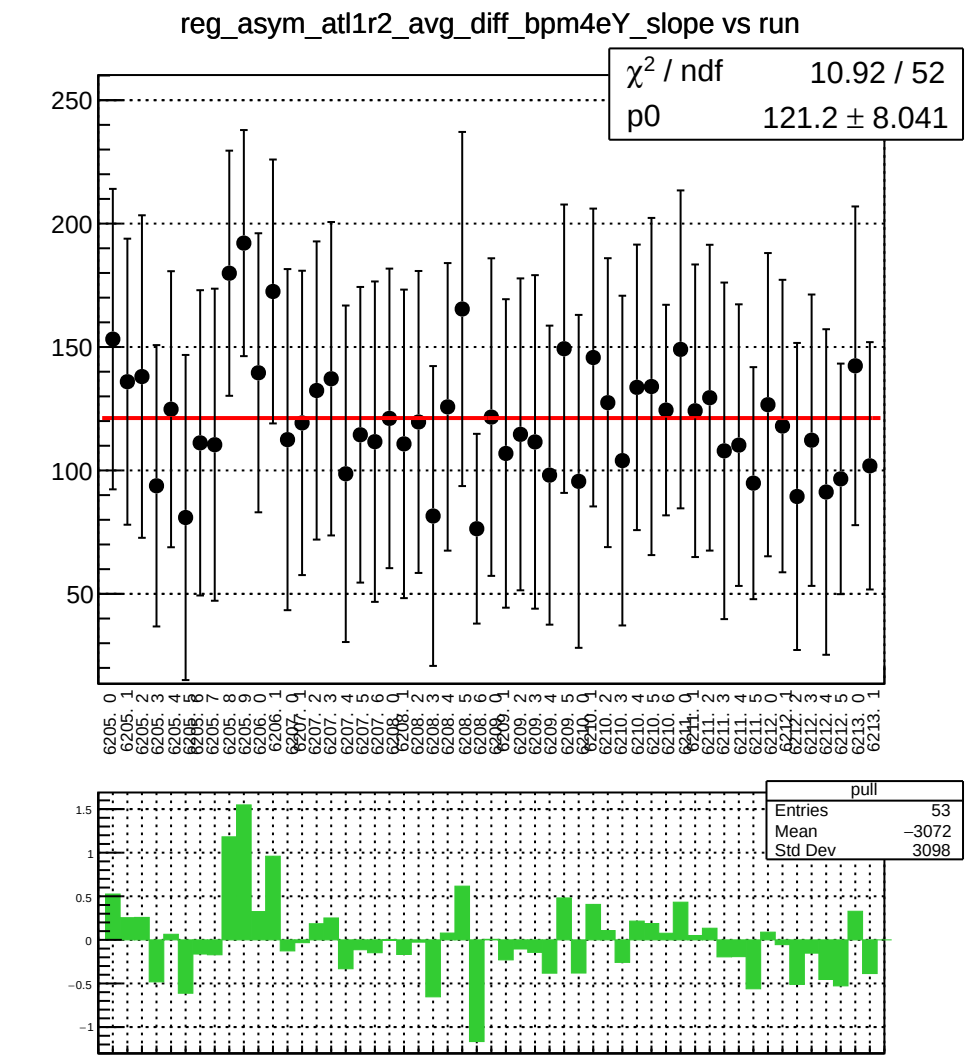

reg_asym_atl1r2_avg_diff_bpm4aX_slope vs run
χ² / ndf 49.89 / 52
p0 −268.1± 12.4
pull
Entries 53
Mean 58.88
Std Dev 32.4
pull1D
Entries 53
Mean −0.1694
Std Dev 0.9553

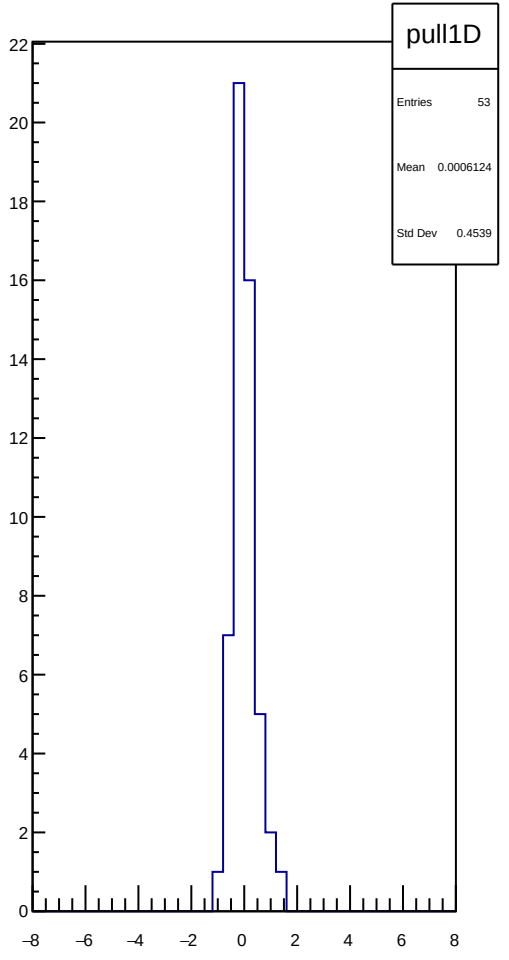

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.948 / 52
p0 −43.25 ± 7.243
pull
Entries 53
Mean −220.8
Std Dev 246.2

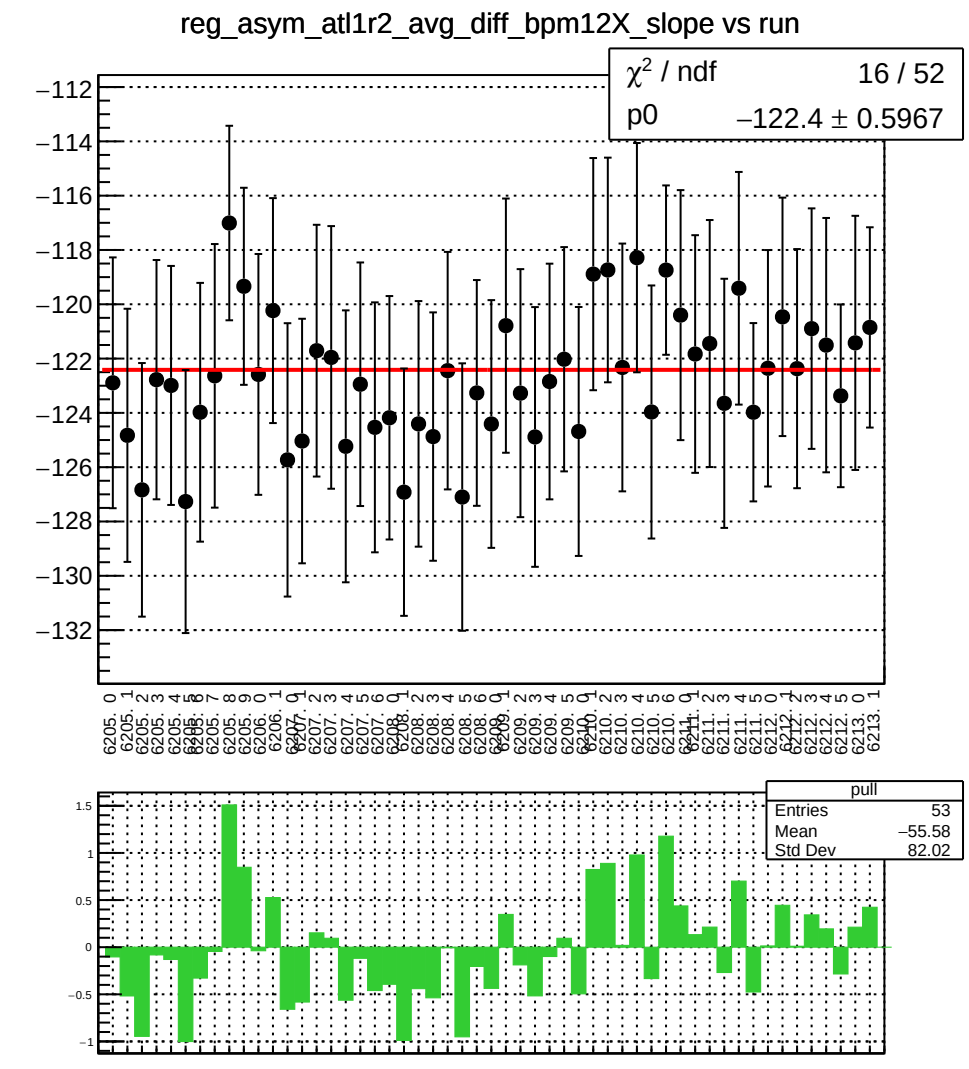

pull1D
Entries 53
Mean −0.006711
Std Dev 0.4332

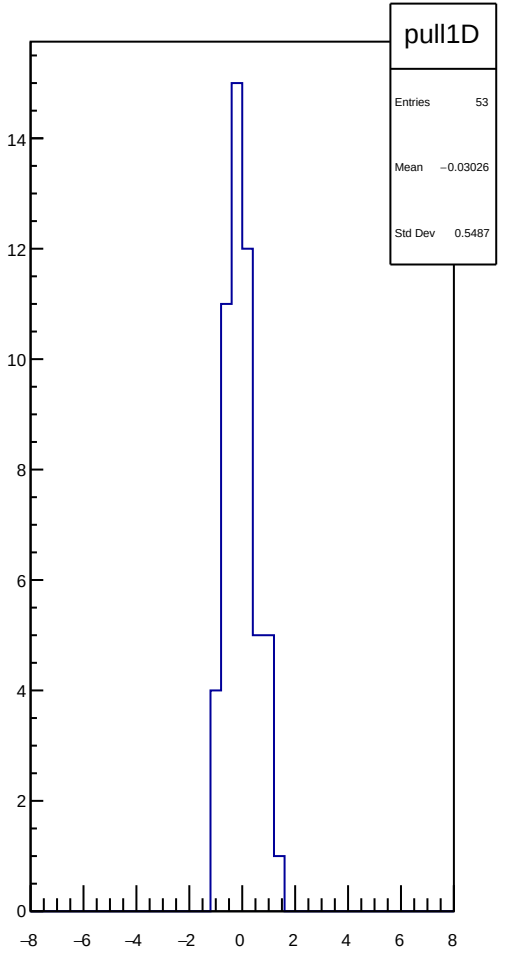

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 53.04 / 52
p0 401.2 ± 13.65
600
500
400
300
200
100
pull
Entries 53
Mean 61.79
Std Dev 34.61
1
0
−1
−2
−3
−4

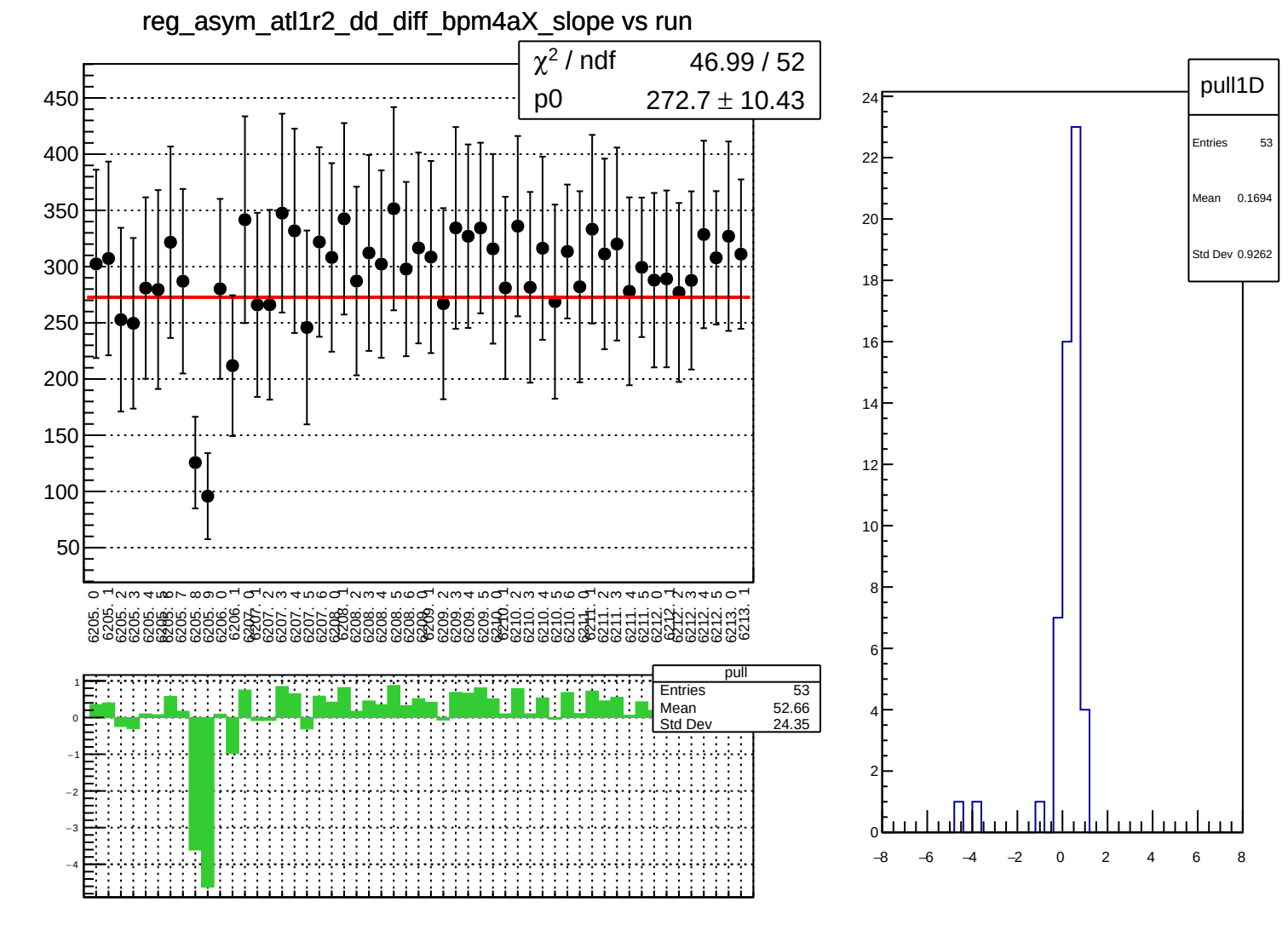

pull1D
Entries 53
Mean 0.178
Std Dev 0.9844
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

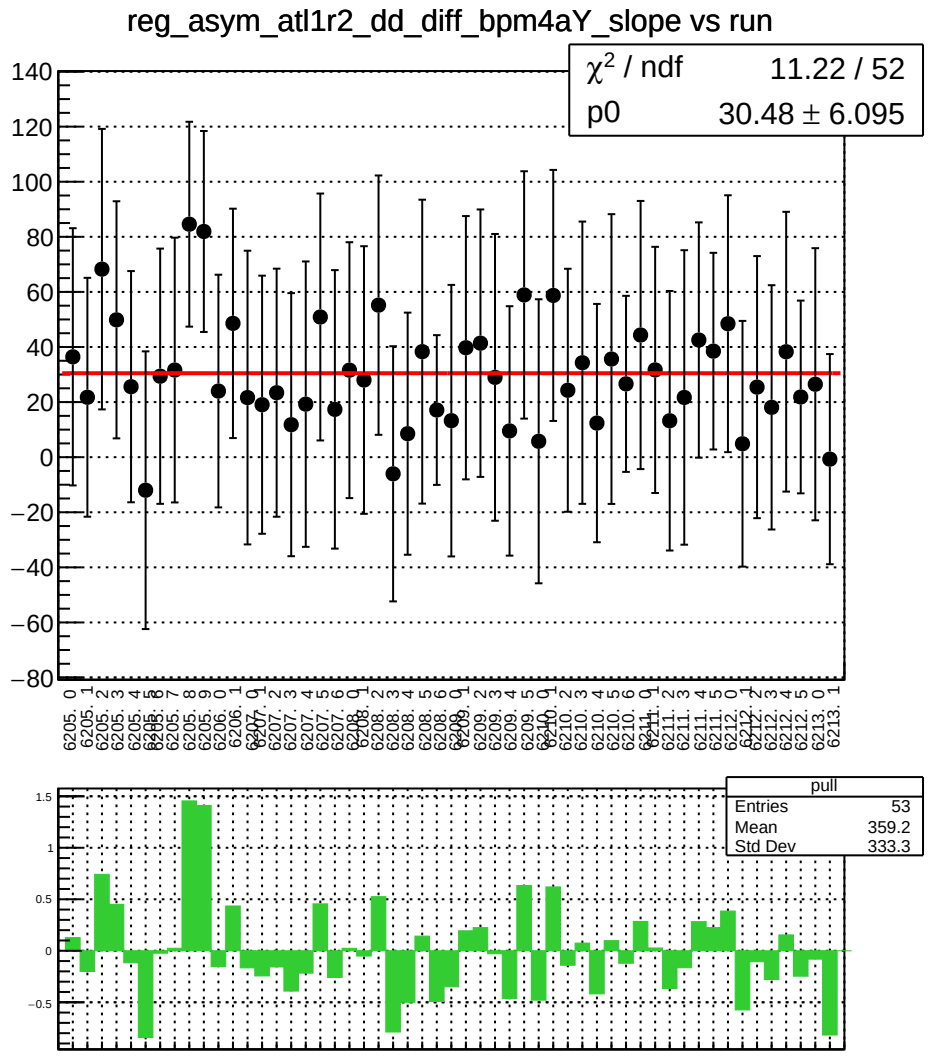

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.92 / 52
p0 121.2 ± 8.041
250
200
150
100
50
pull
Entries 53
Mean −3072
Std Dev 3098
1.5
1
0.5
0
−0.5
−1

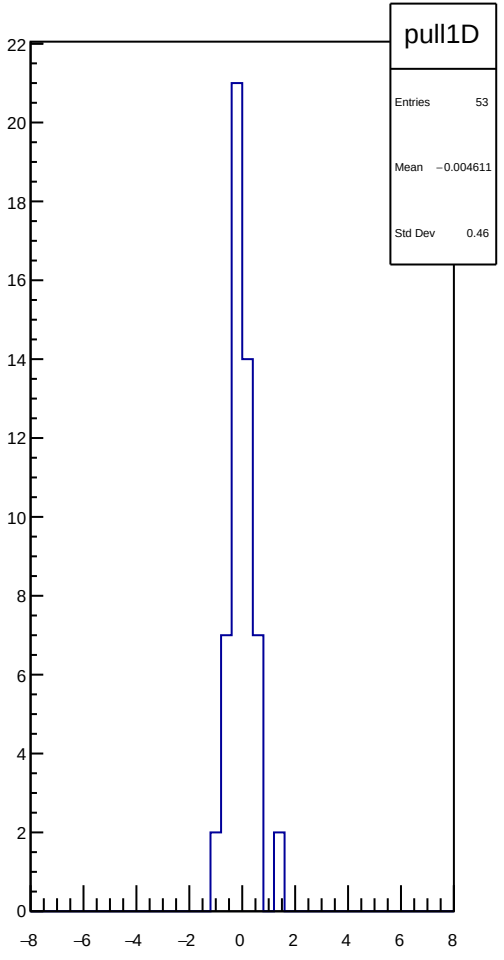

pull1D
Entries 53
Mean 0.0006124
Std Dev 0.4539
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

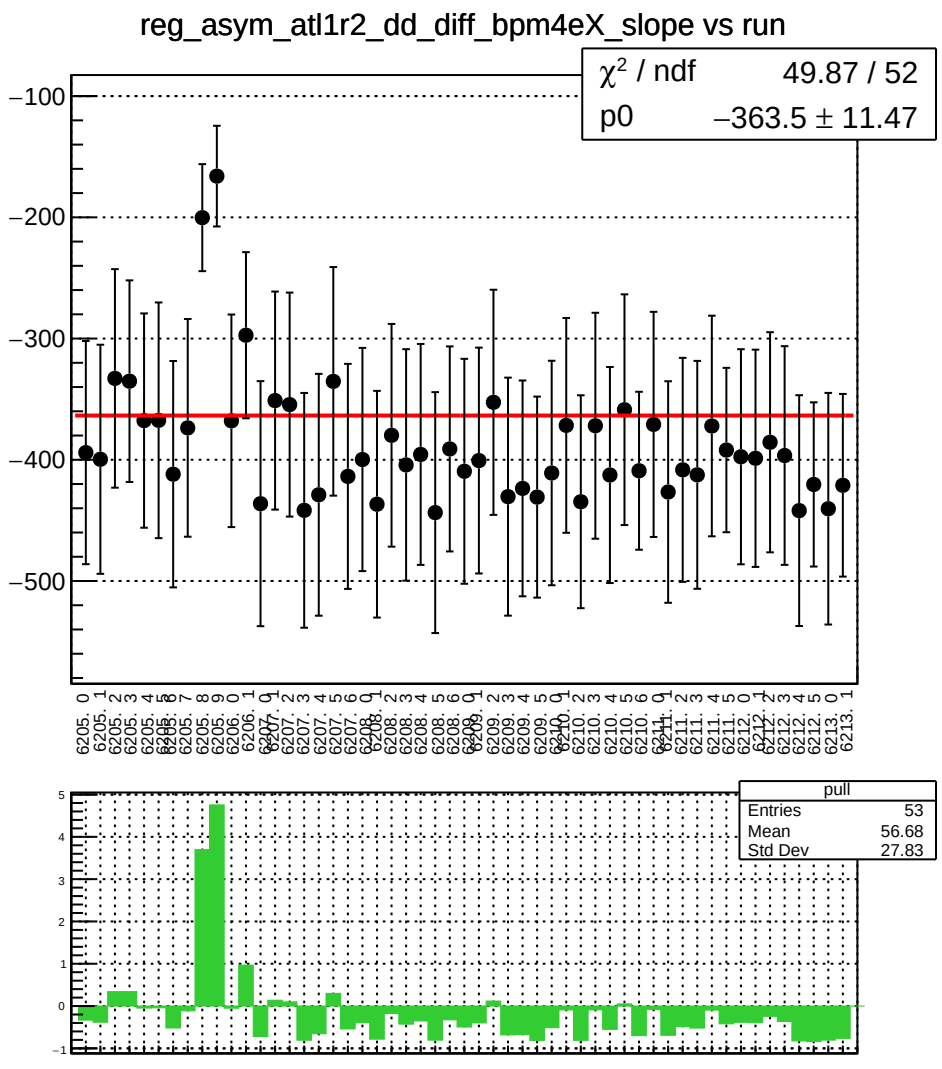

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 16 / 52
p0 −122.4 ± 0.5967
pull
Entries 53
Mean −55.58
Std Dev 82.02

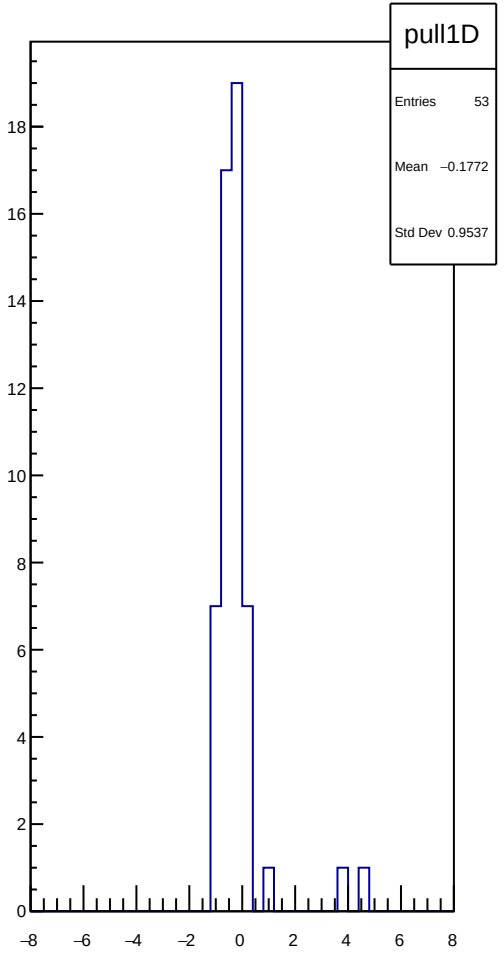

pull1D
Entries 53
Mean −0.03026
Std Dev 0.5487

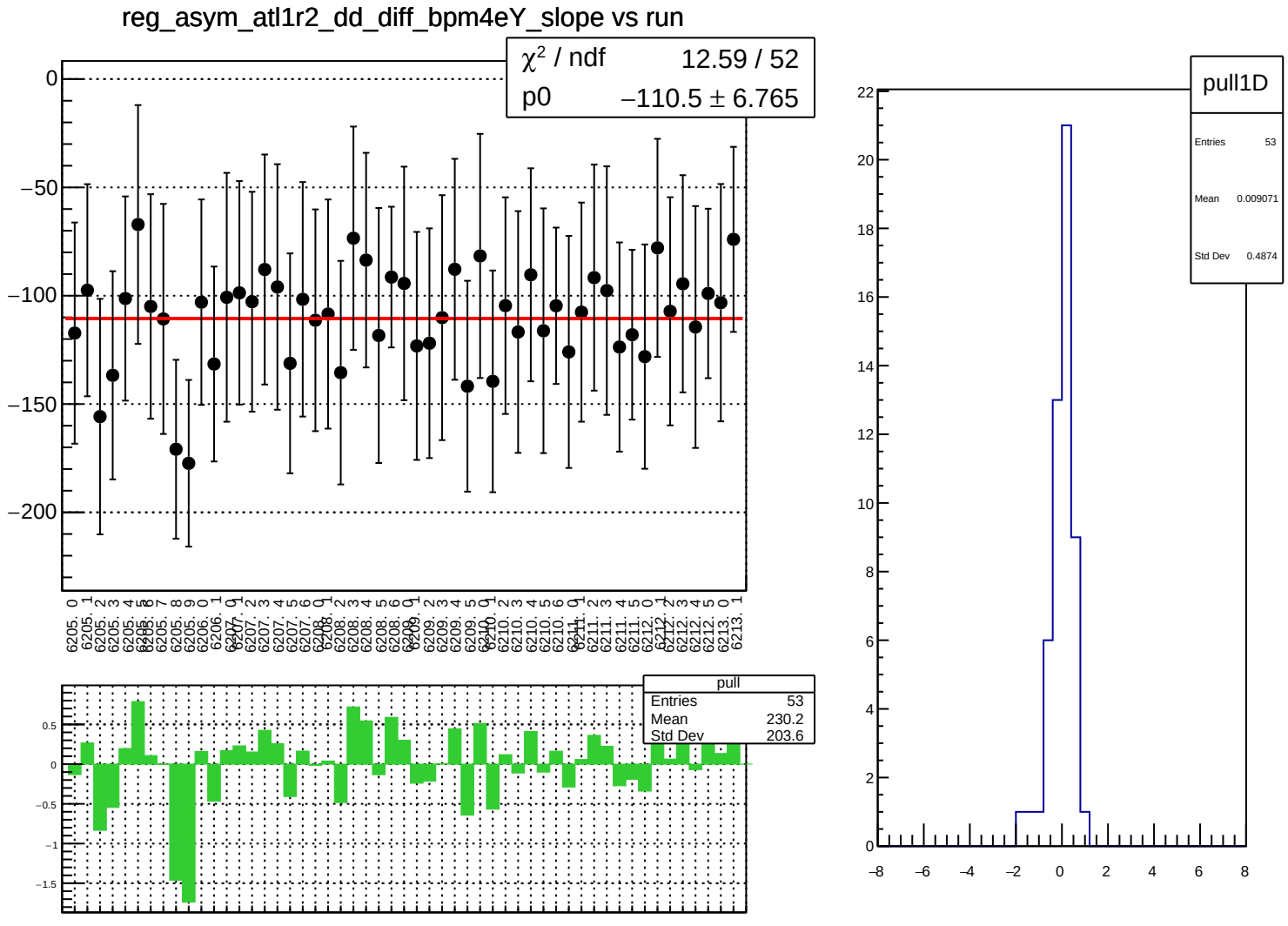

reg_asym_atl1r2_dd_diff_bpm4aX_slope vs run
χ² / ndf 46.99 / 52
p0 272.7 ± 10.43
pull
Entries 53
Mean 52.66
Std Dev 24.35
pull1D
Entries 53
Mean 0.1694
Std Dev 0.9262

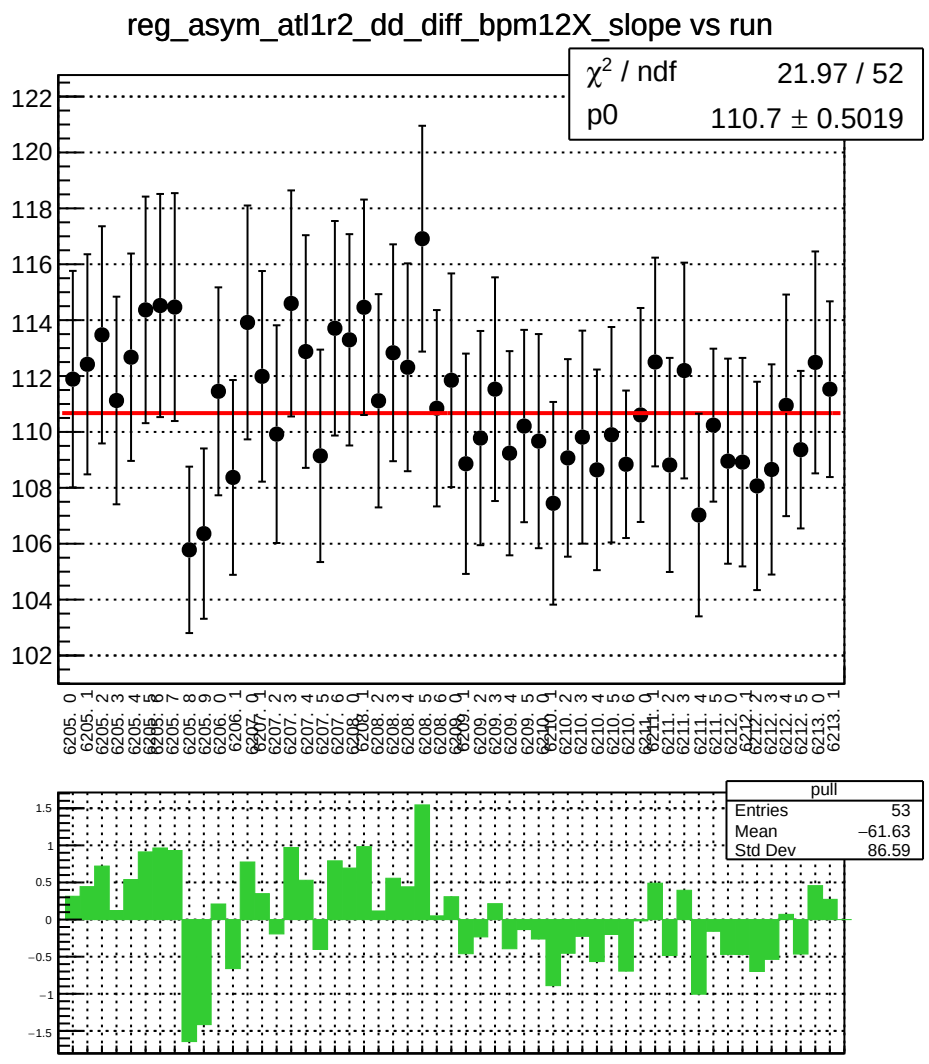

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.22 / 52
p0 30.48 ± 6.095
pull
Entries 53
Mean 359.2
Std Dev 333.3

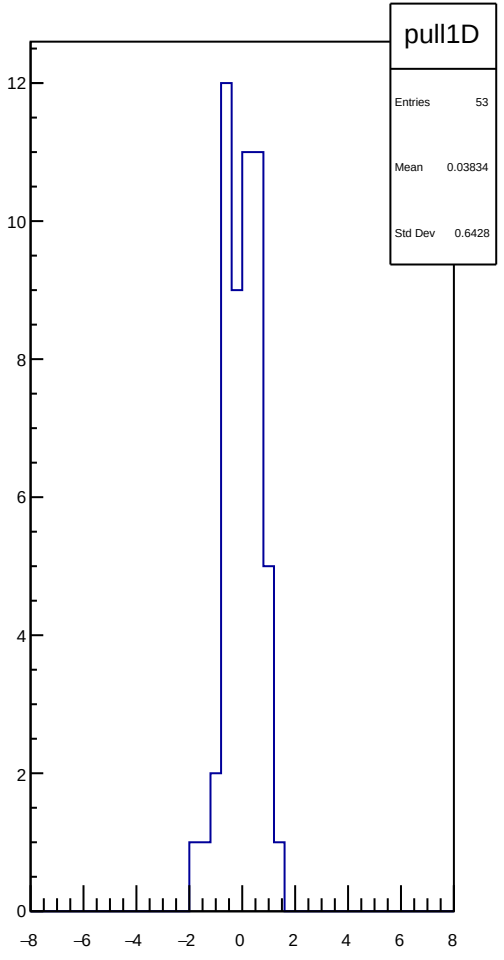

pull1D
Entries 53
Mean −0.004611
Std Dev 0.46

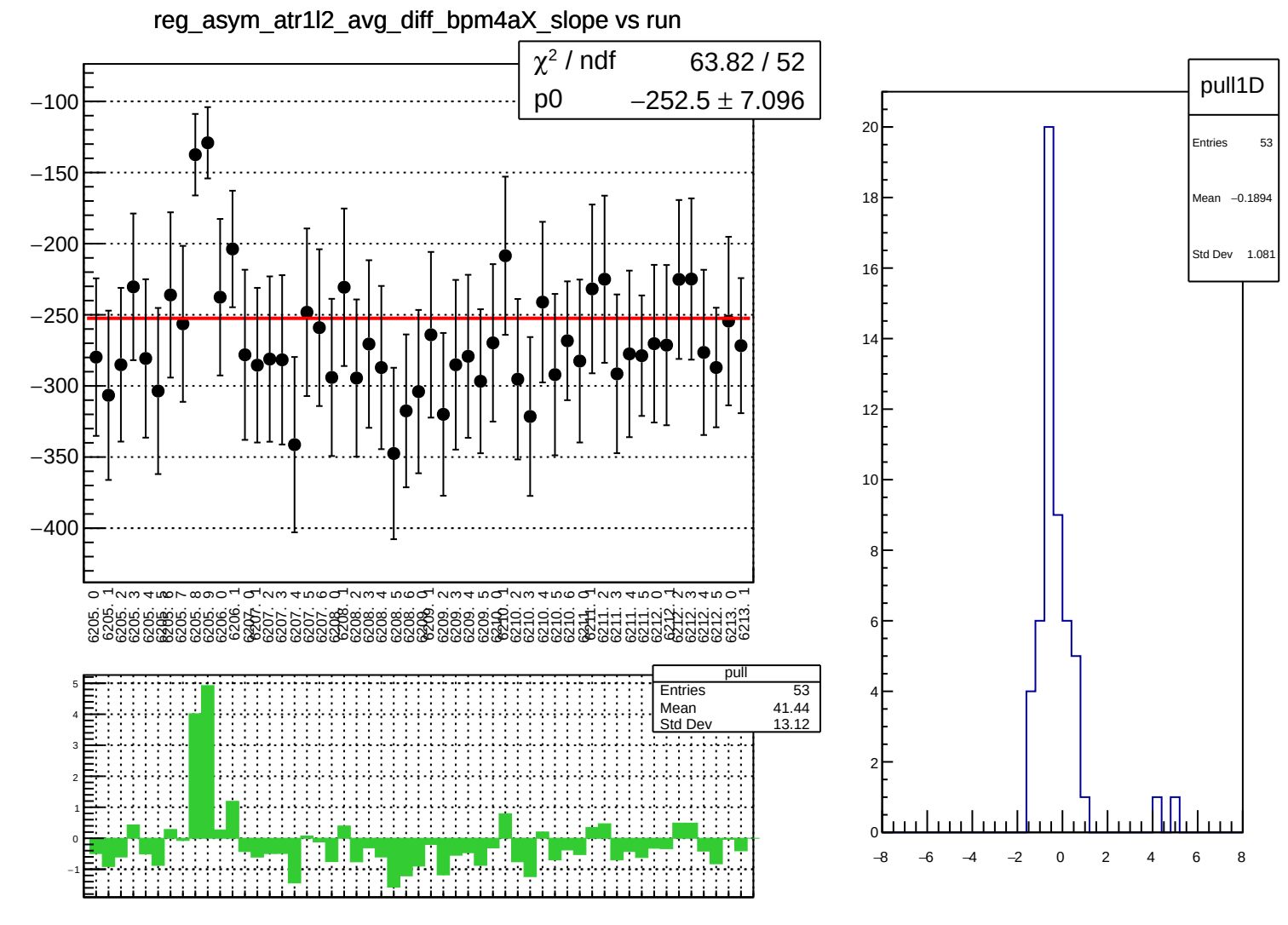

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 49.87 / 52
p0 −363.5 ± 11.47
−100
−200
−300
−400
−500
pull
Entries 53
Mean 56.68
Std Dev 27.83

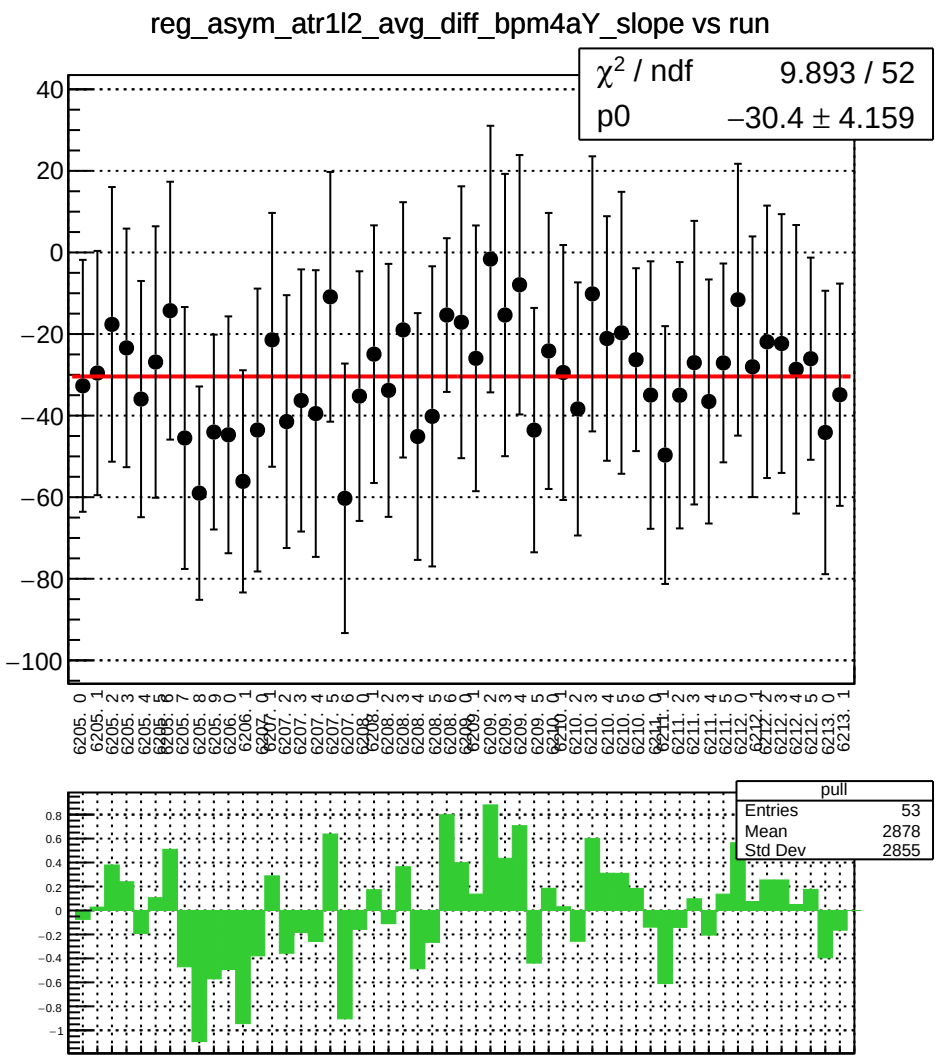

pull1D
Entries 53
Mean −0.1772
Std Dev 0.9537

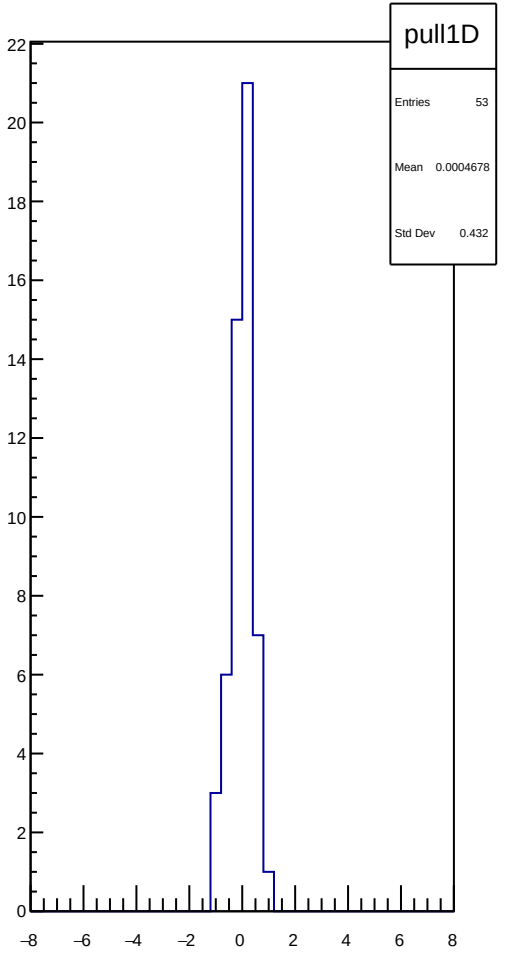

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.59 / 52
p0 −110.5 ± 6.765
pull
Entries 53
Mean 230.2
Std Dev 203.6
pull1D
Entries 53
Mean 0.009071
Std Dev 0.4874

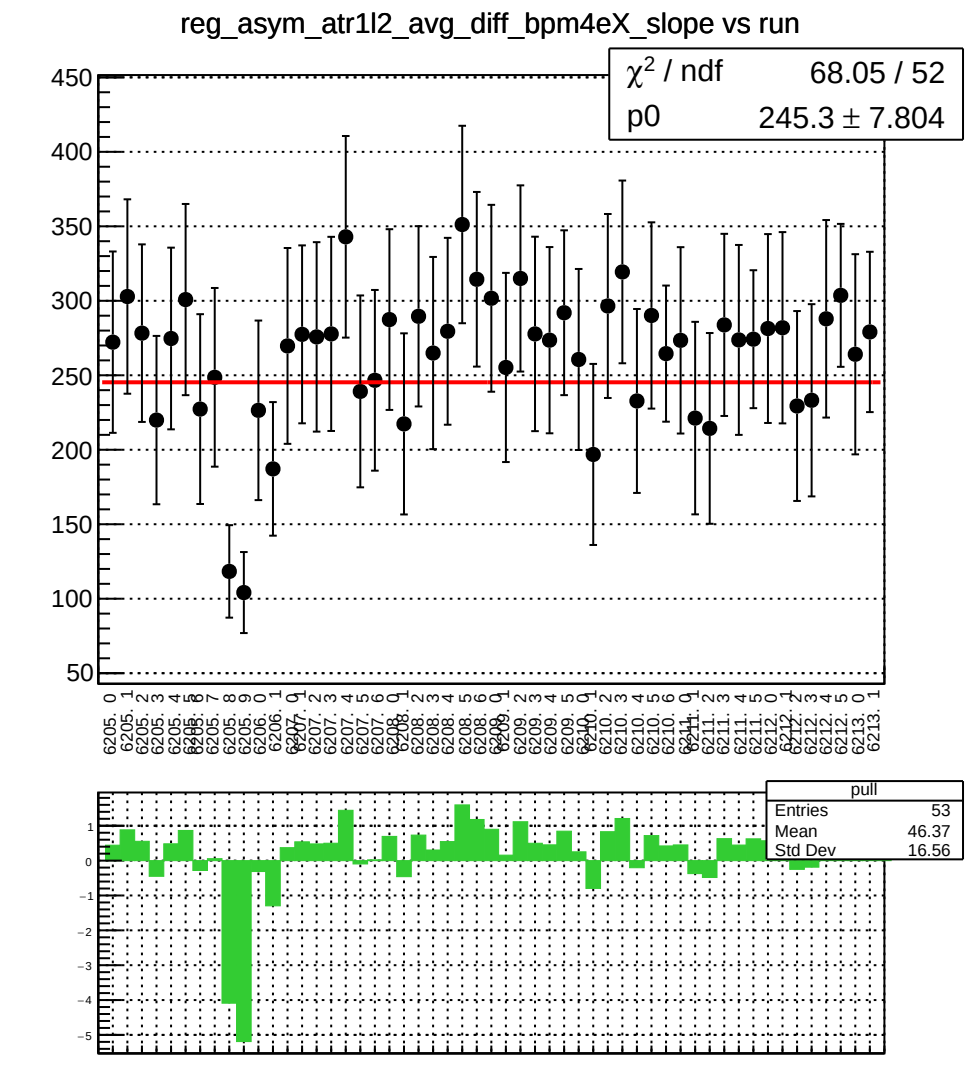

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 21.97 / 52
p0 110.7 ± 0.5019
pull
Entries 53
Mean −61.63
Std Dev 86.59

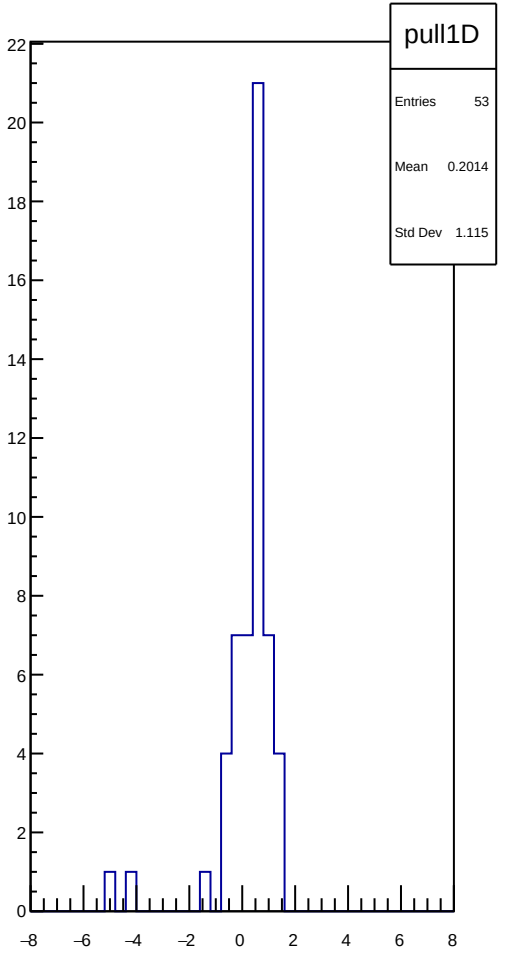

pull1D
Entries 53
Mean 0.03834
Std Dev 0.6428

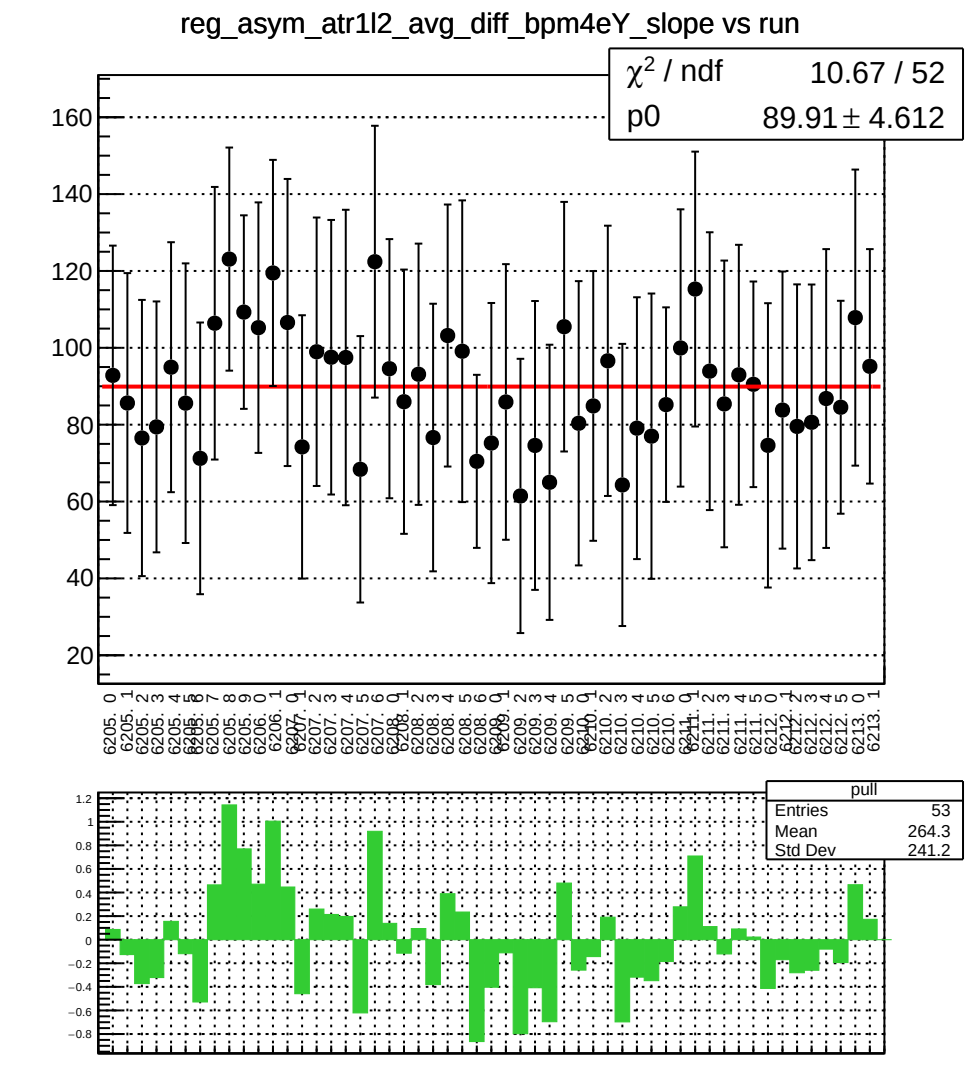

reg_asym_atr1l2_avg_diff_bpm4aX_slope vs run
χ² / ndf 63.82 / 52
p0 −252.5 ± 7.096
pull
Entries 53
Mean 41.44
Std Dev 13.12
pull1D
Entries 53
Mean −0.1894
Std Dev 1.081

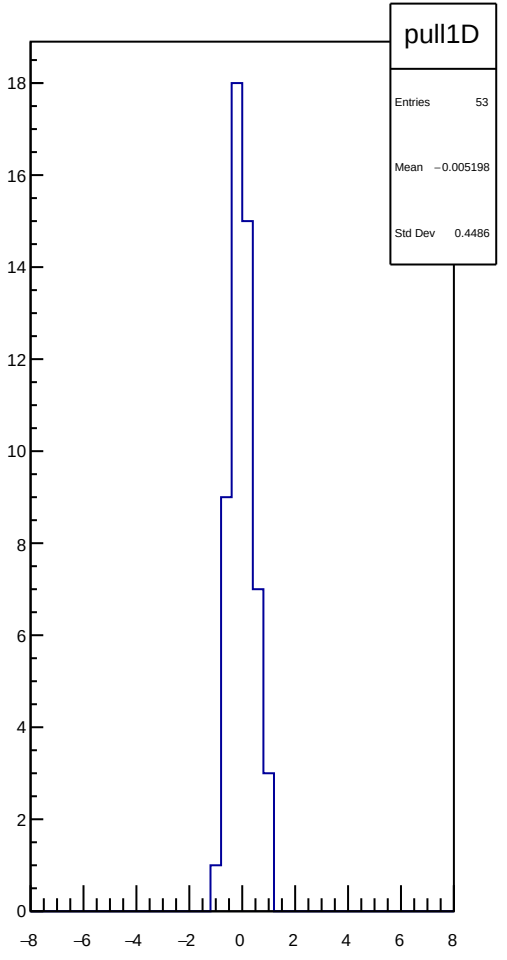

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.893 / 52
p0 −30.4 ± 4.159
pull
Entries 53
Mean 2878
Std Dev 2855

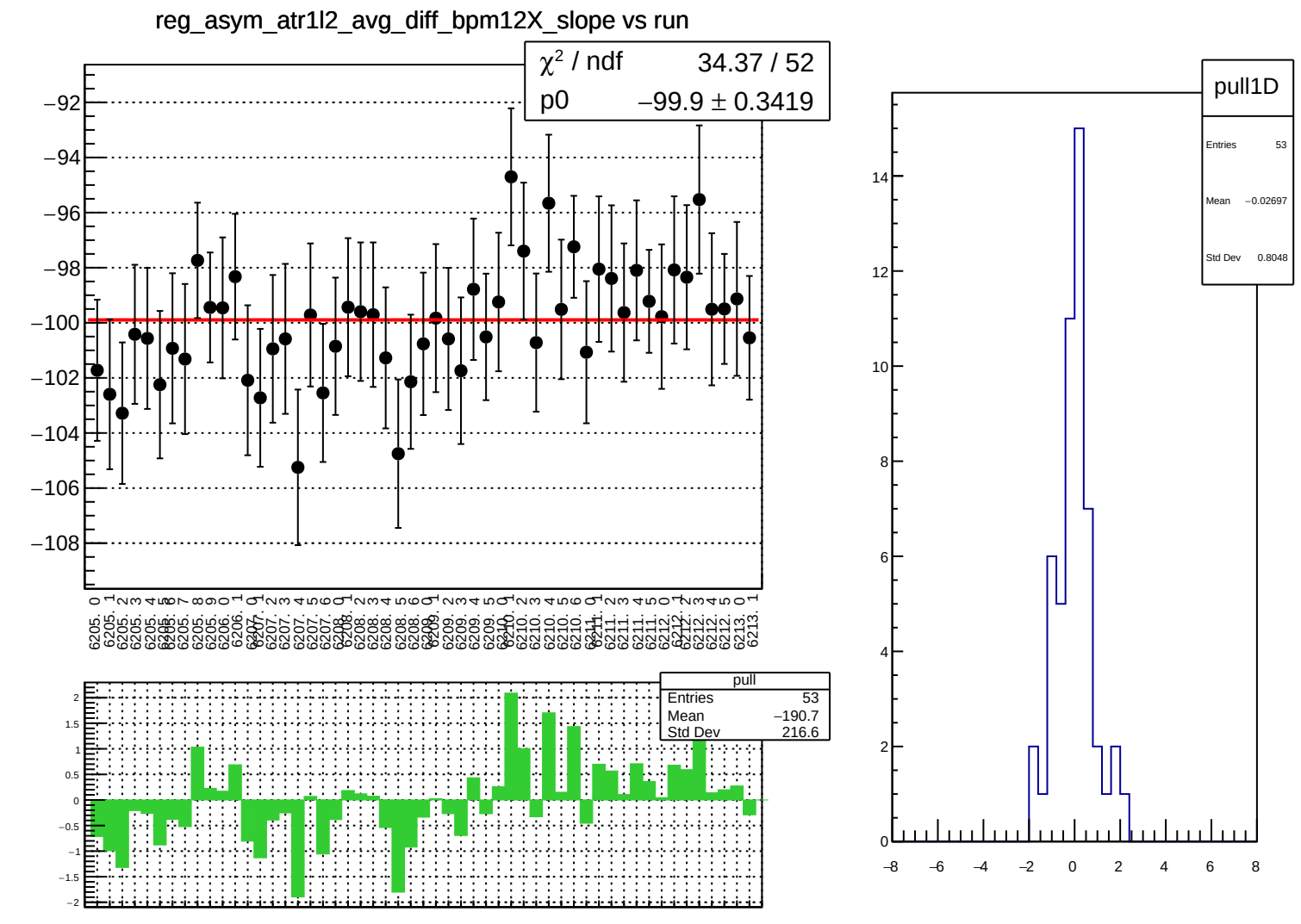

pull1D
Entries 53
Mean 0.0004678
Std Dev 0.432

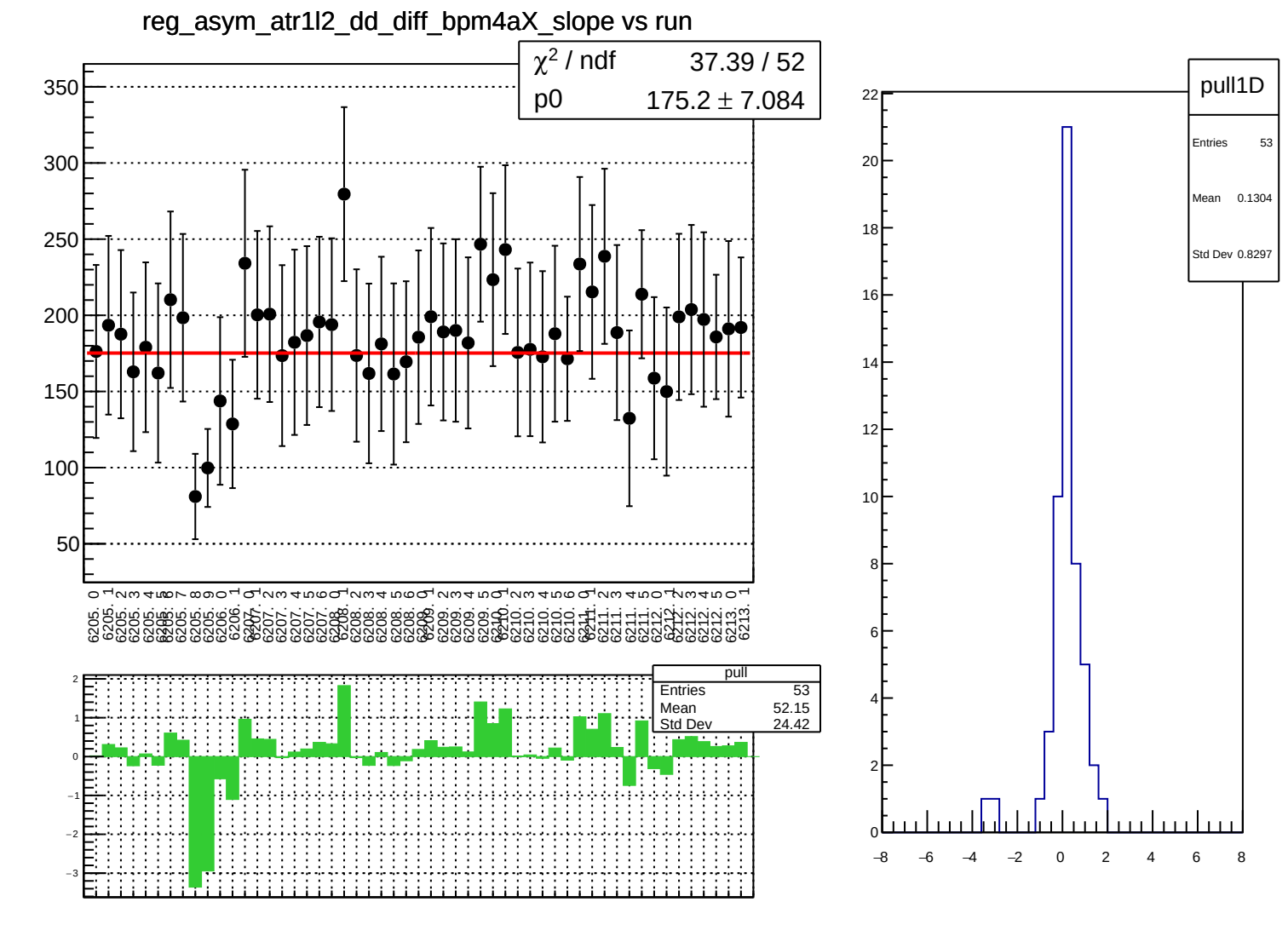

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 68.05 / 52
p0 245.3 ± 7.804
pull
Entries 53
Mean 46.37
Std Dev 16.56

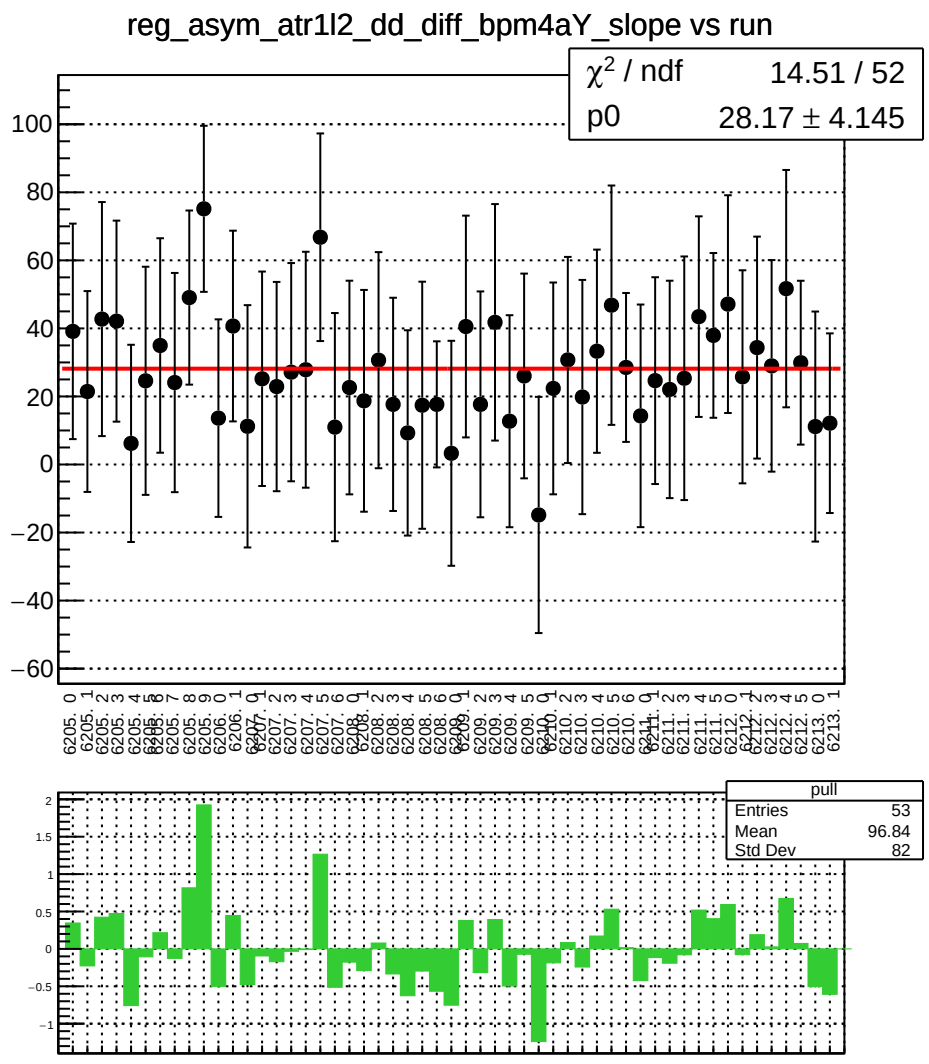

pull1D
Entries 53
Mean 0.2014
Std Dev 1.115

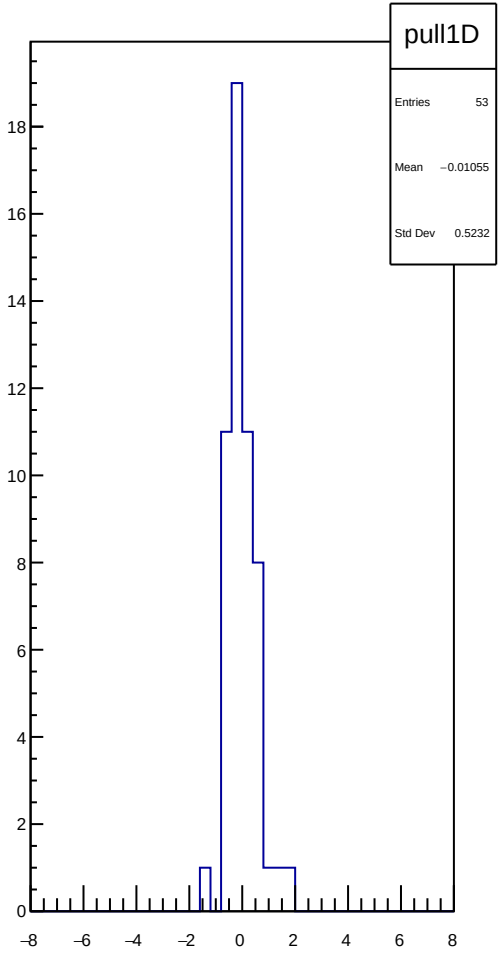

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.67 / 52
p0 89.91 ± 4.612
pull
Entries 53
Mean 264.3
Std Dev 241.2

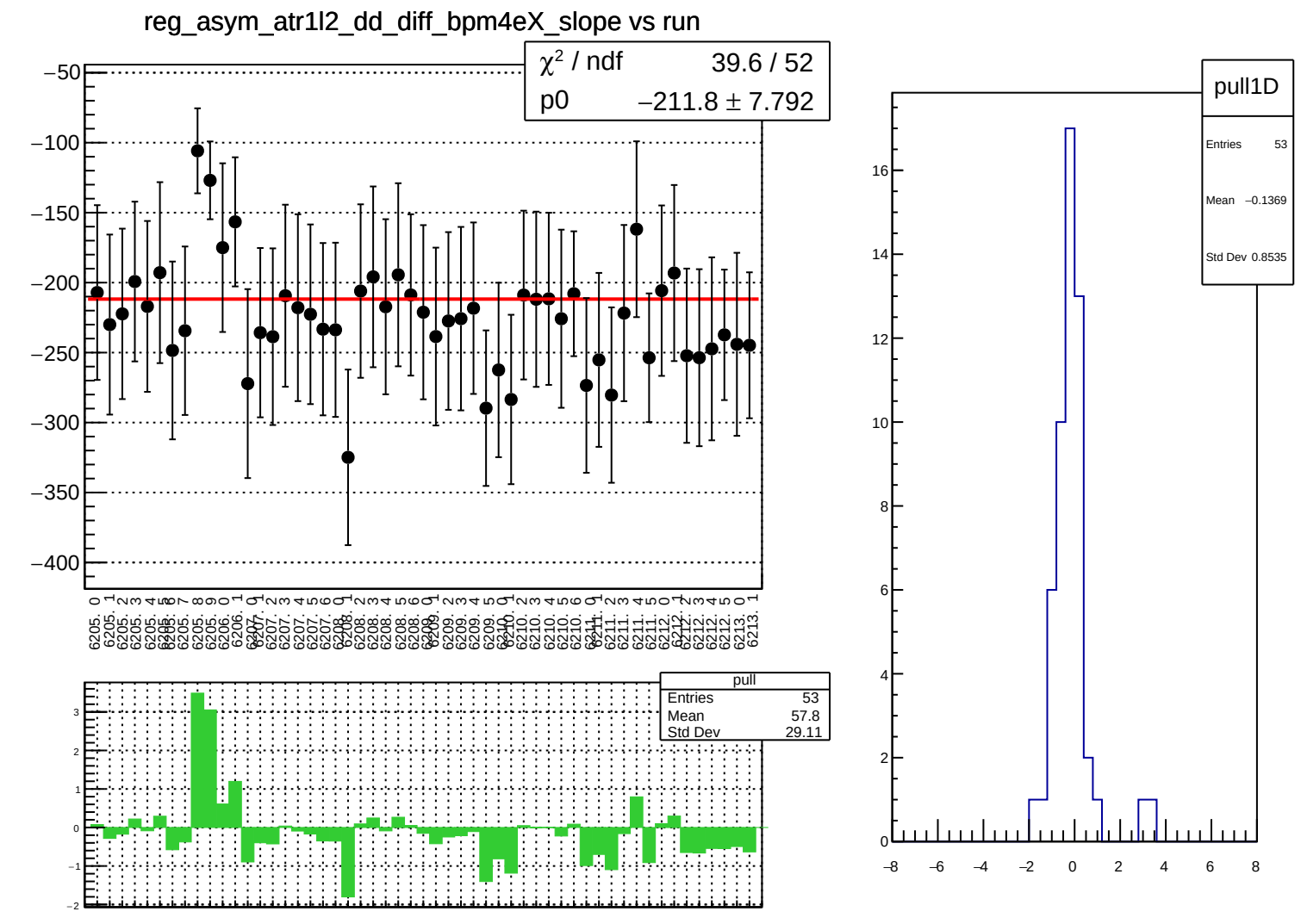

pull1D
Entries 53
Mean −0.005198
Std Dev 0.4486

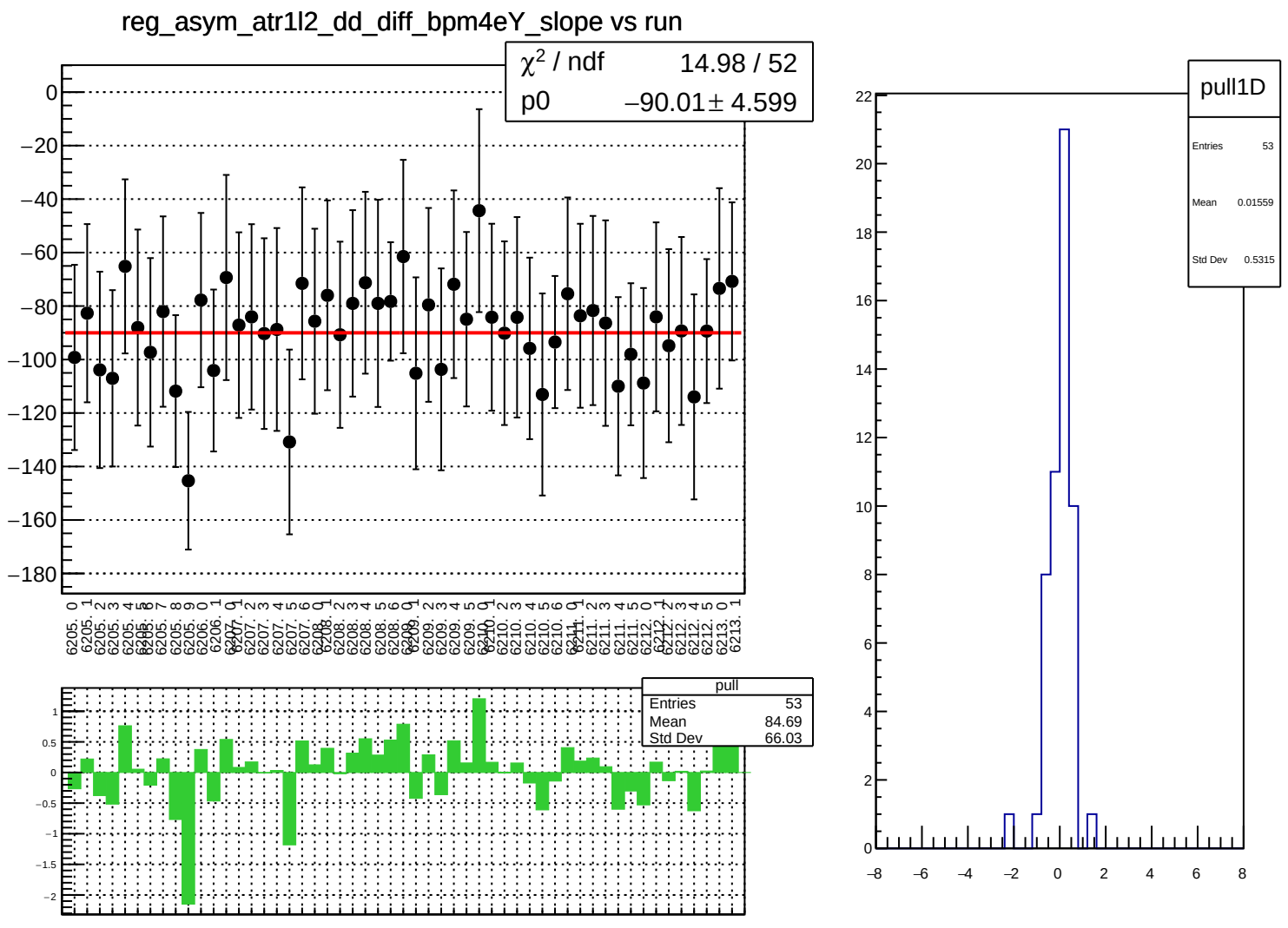

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 34.37 / 52
p0 −99.9 ± 0.3419
pull
Entries 53
Mean −190.7
Std Dev 216.6
pull1D
Entries 53
Mean −0.02697
Std Dev 0.8048

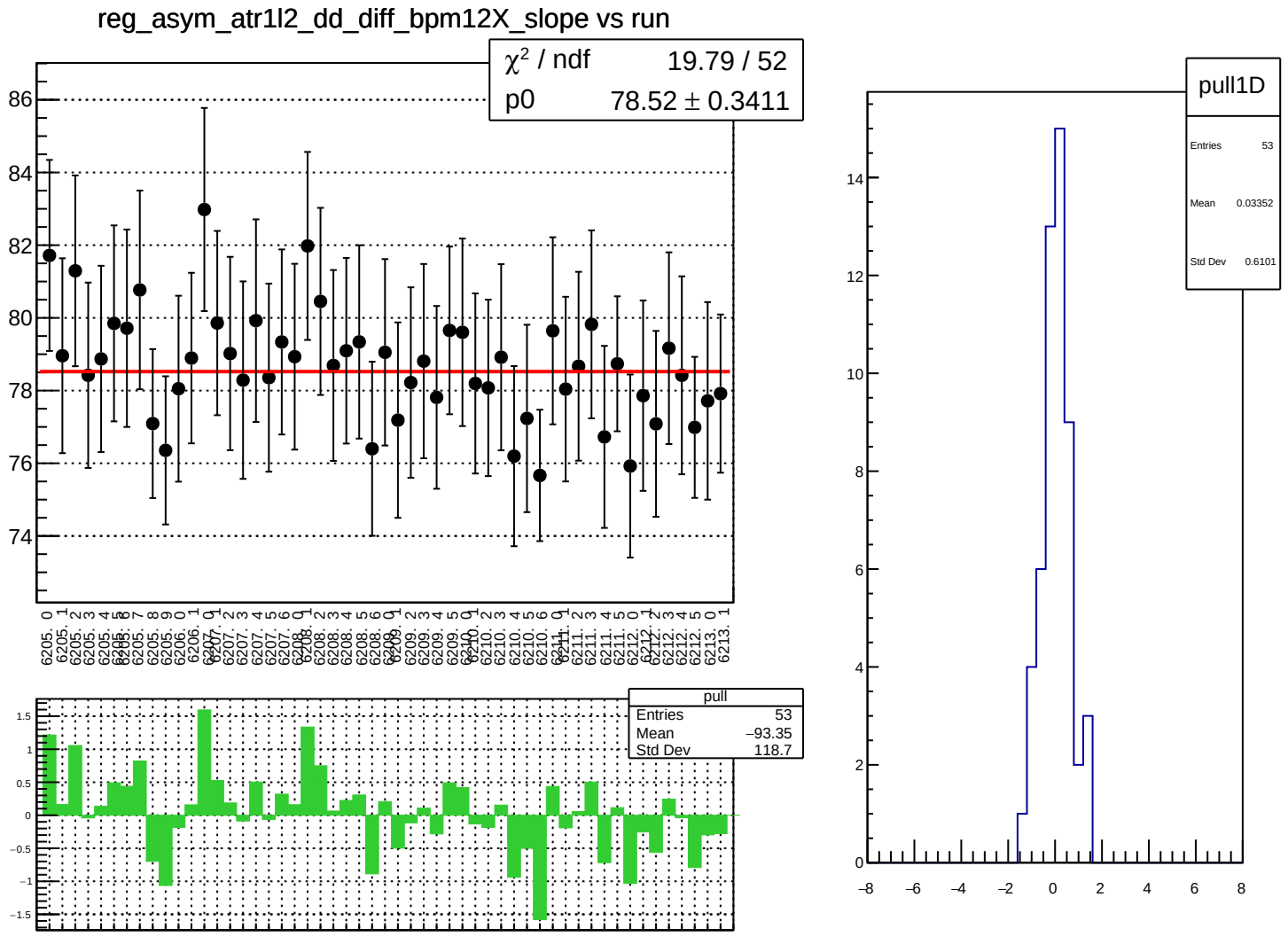

reg_asym_atr1l2_dd_diff_bpm4aX_slope vs run
χ² / ndf 37.39 / 52
p0 175.2 ± 7.084
pull
Entries 53
Mean 52.15
Std Dev 24.42
pull1D
Entries 53
Mean 0.1304
Std Dev 0.8297

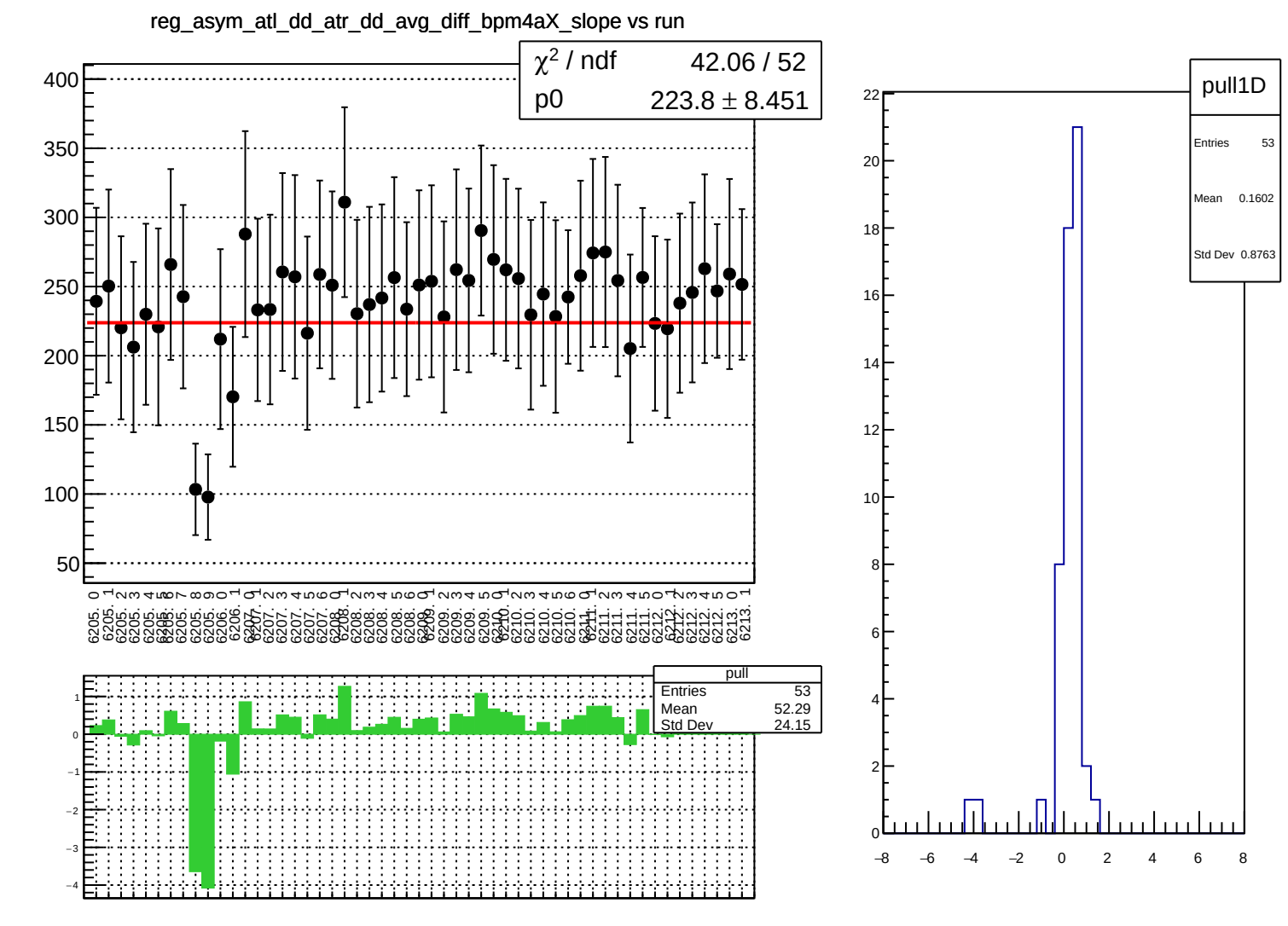

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 14.51 / 52
p0 28.17 ± 4.145
pull
Entries 53
Mean 96.84
Std Dev 82

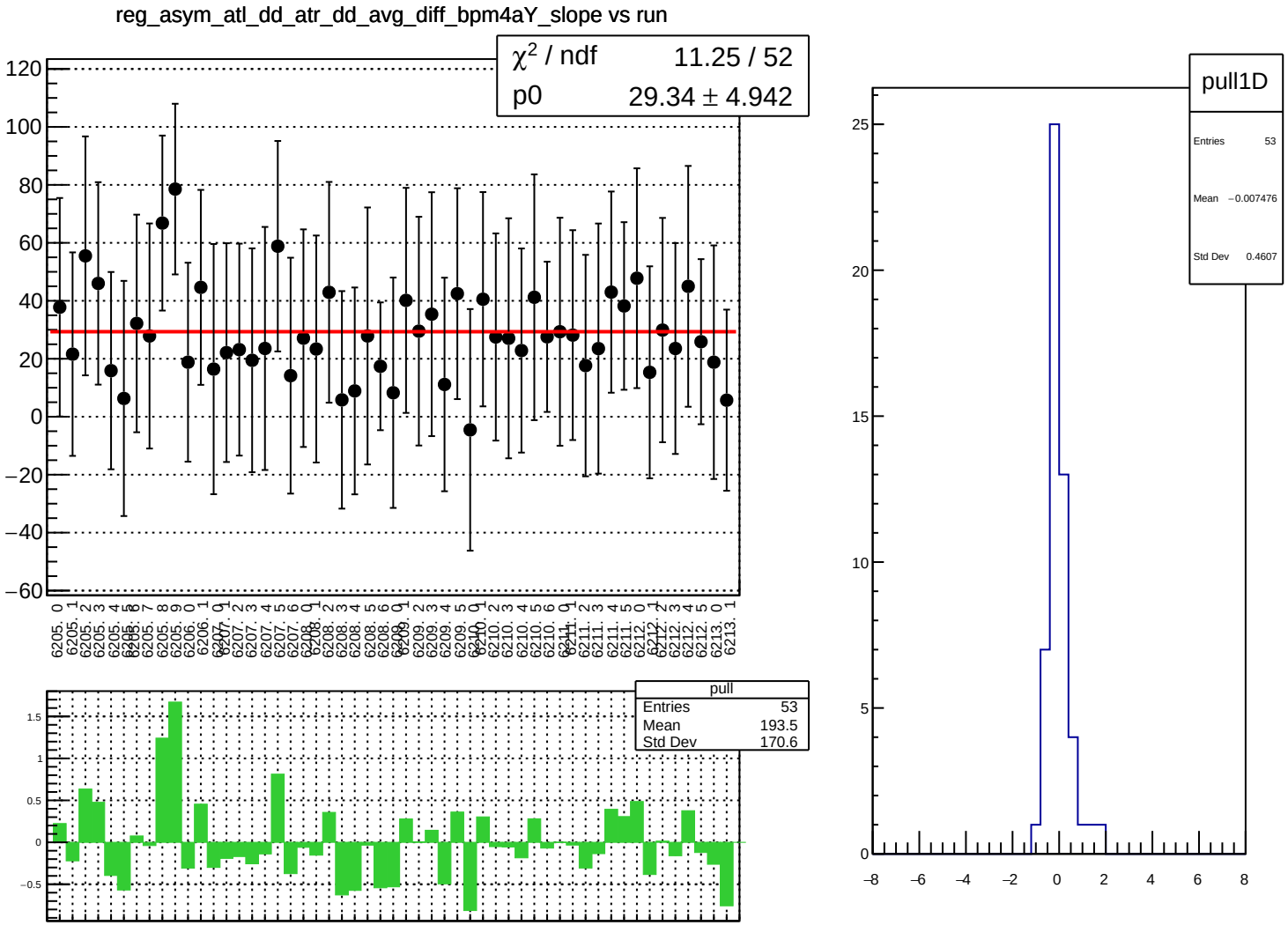

pull1D
Entries 53
Mean −0.01055
Std Dev 0.5232

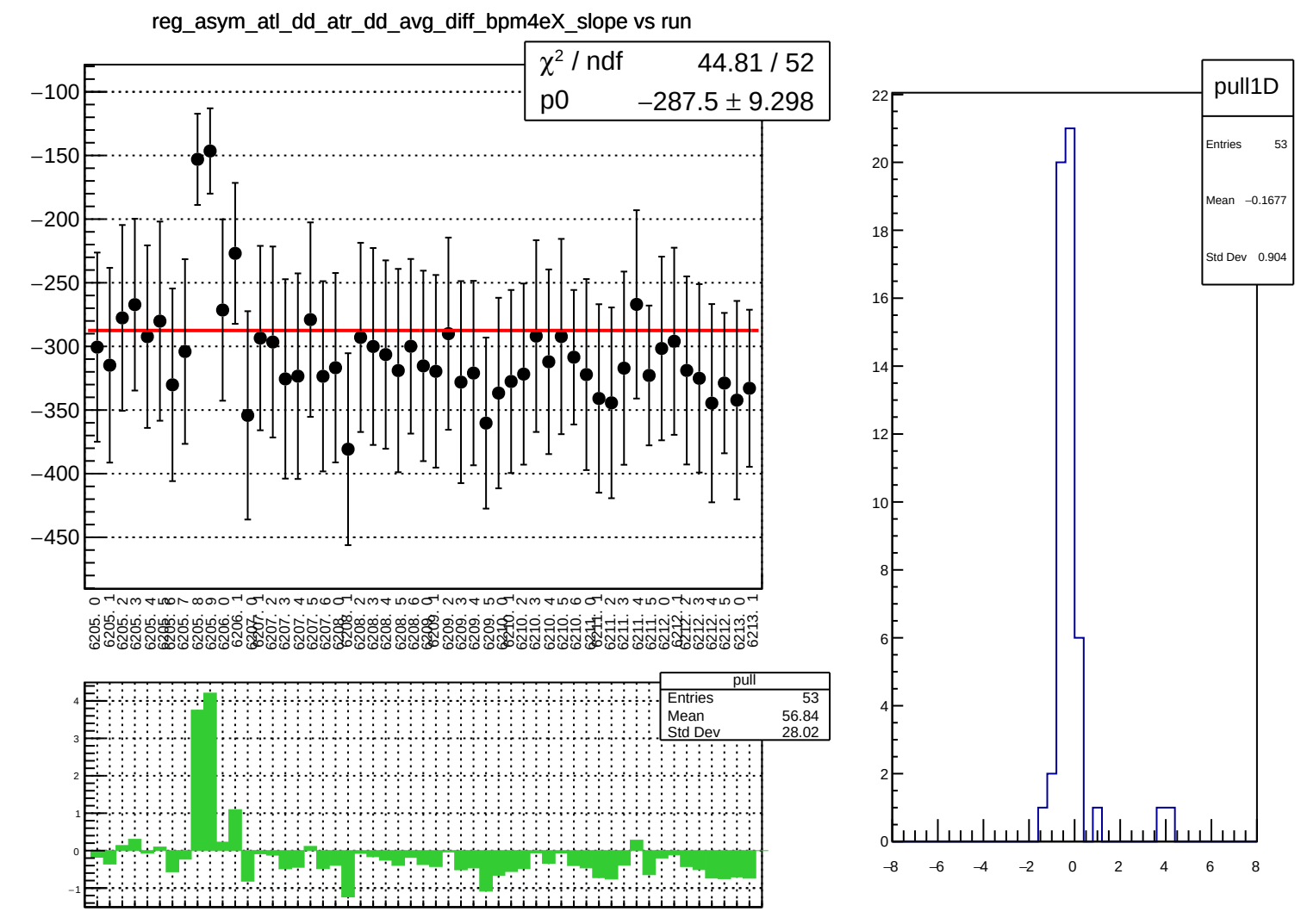

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 39.6 / 52
p0 −211.8 ± 7.792
pull
Entries 53
Mean 57.8
Std Dev 29.11
pull1D
Entries 53
Mean −0.1369
Std Dev 0.8535

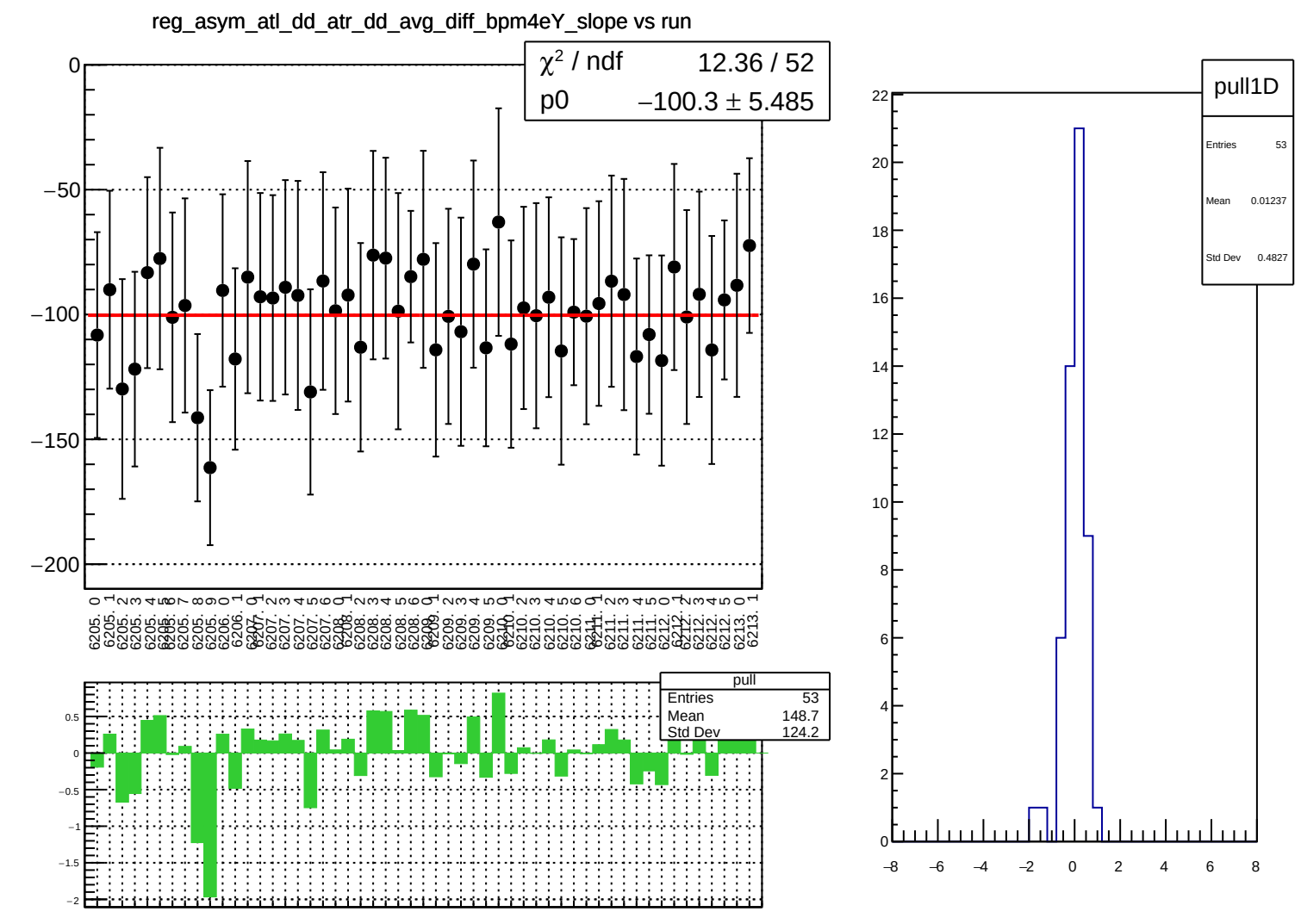

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.98 / 52
p0 −90.01 ± 4.599
pull
Entries 53
Mean 84.69
Std Dev 66.03
pull1D
Entries 53
Mean 0.01559
Std Dev 0.5315

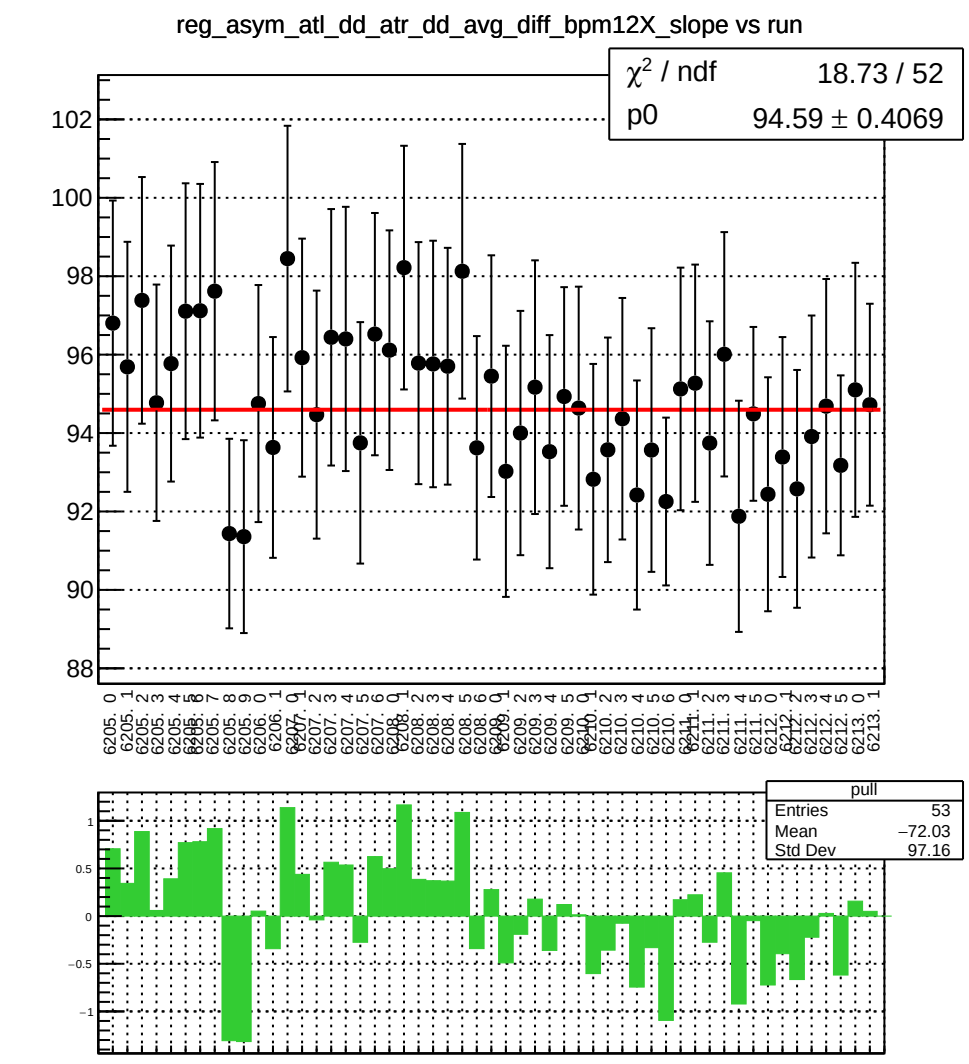

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 19.79 / 52
p0 78.52 ± 0.3411
pull
Entries 53
Mean −93.35
Std Dev 118.7
pull1D
Entries 53
Mean 0.03352
Std Dev 0.6101

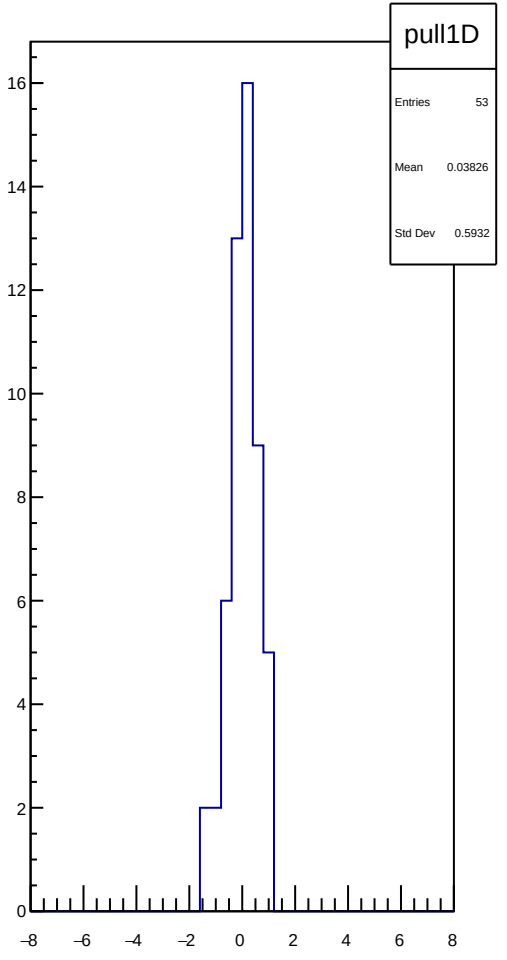

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aX_slope vs run
χ² / ndf 42.06 / 52
p0 223.8 ± 8.451
pull
Entries 53
Mean 52.29
Std Dev 24.15
pull1D
Entries 53
Mean 0.1602
Std Dev 0.8763

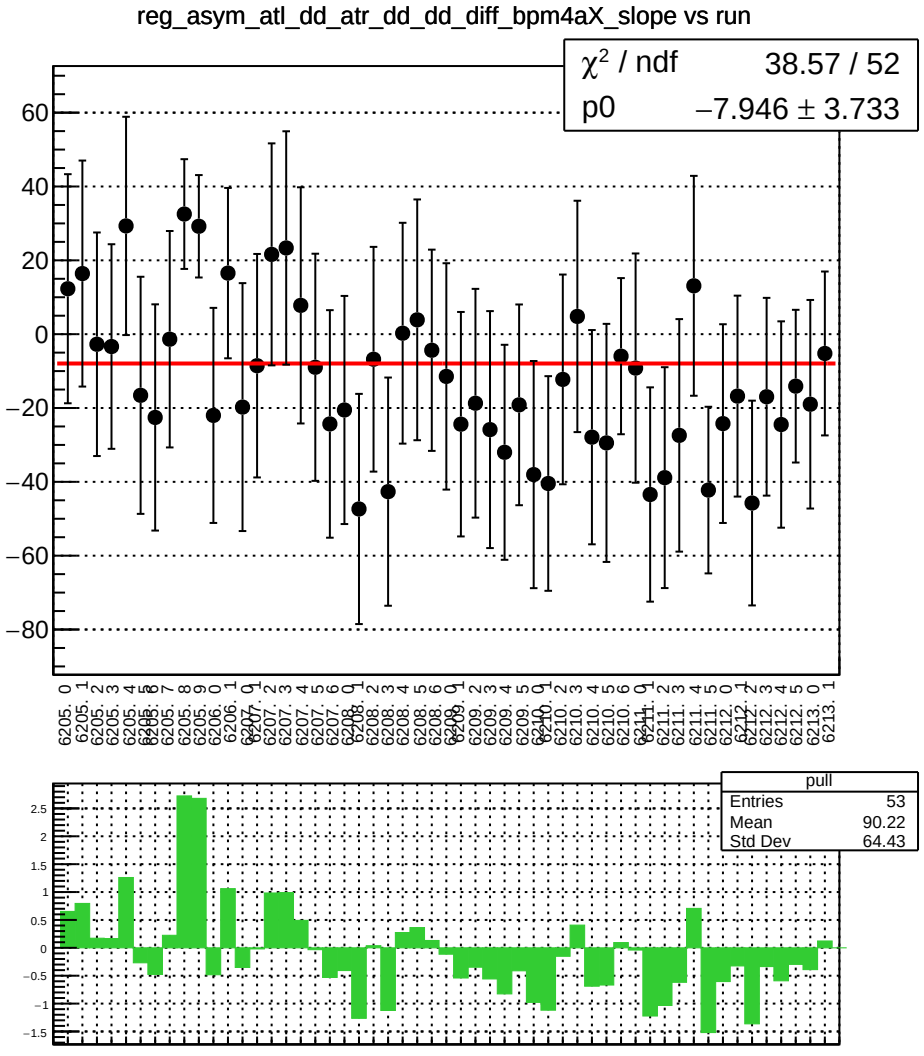

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 11.25 / 52
p0 29.34 ± 4.942
pull
Entries 53
Mean 193.5
Std Dev 170.6
pull1D
Entries 53
Mean −0.007476
Std Dev 0.4607

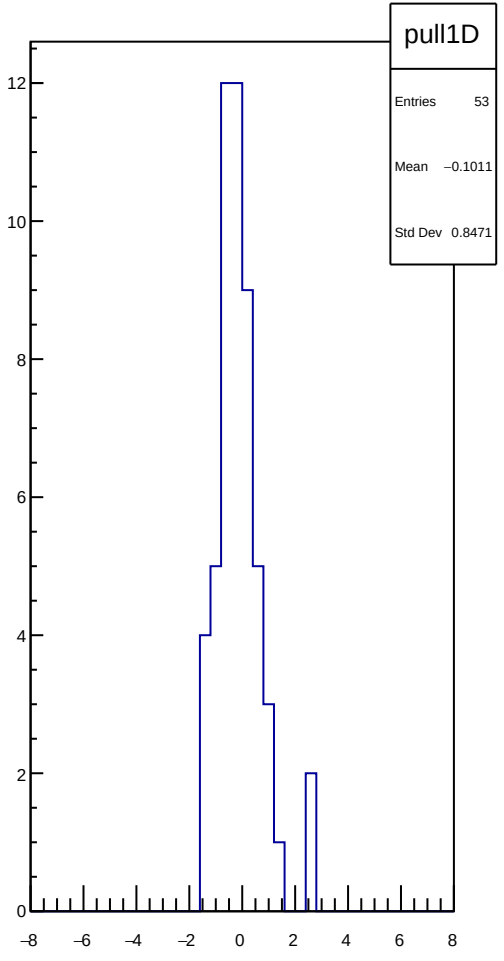

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 44.81 / 52
p0 −287.5 ± 9.298
pull
Entries 53
Mean 56.84
Std Dev 28.02
pull1D
Entries 53
Mean −0.1677
Std Dev 0.904

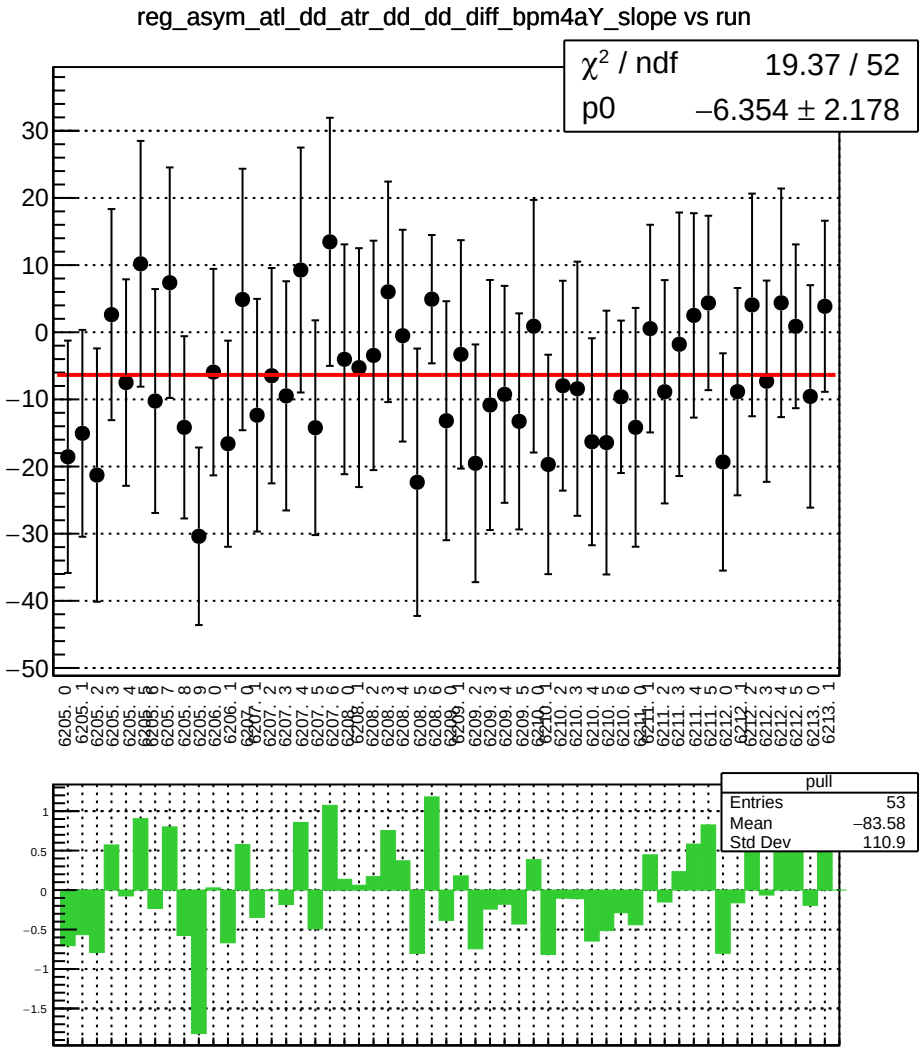

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.36 / 52
p0 −100.3 ± 5.485
pull
Entries 53
Mean 148.7
Std Dev 124.2
pull1D
Entries 53
Mean 0.01237
Std Dev 0.4827

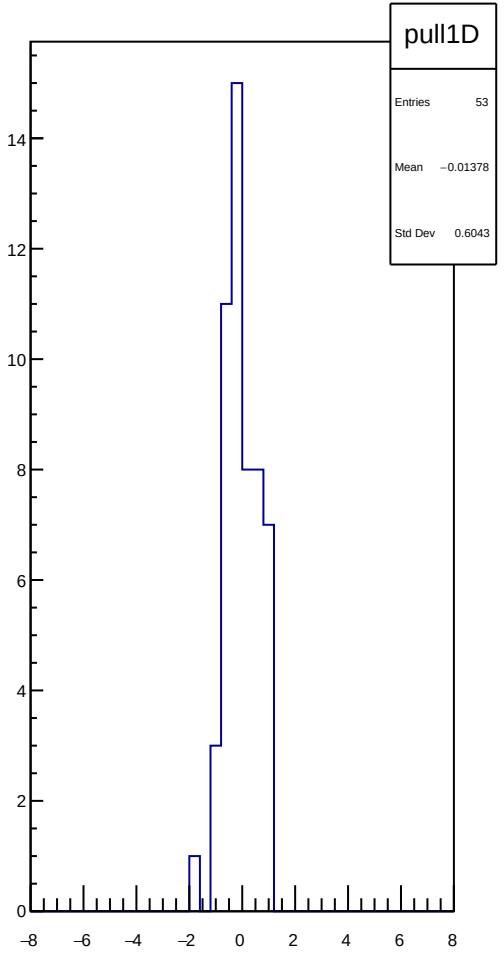

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 18.73 / 52
p0 94.59 ± 0.4069
pull
Entries 53
Mean −72.03
Std Dev 97.16

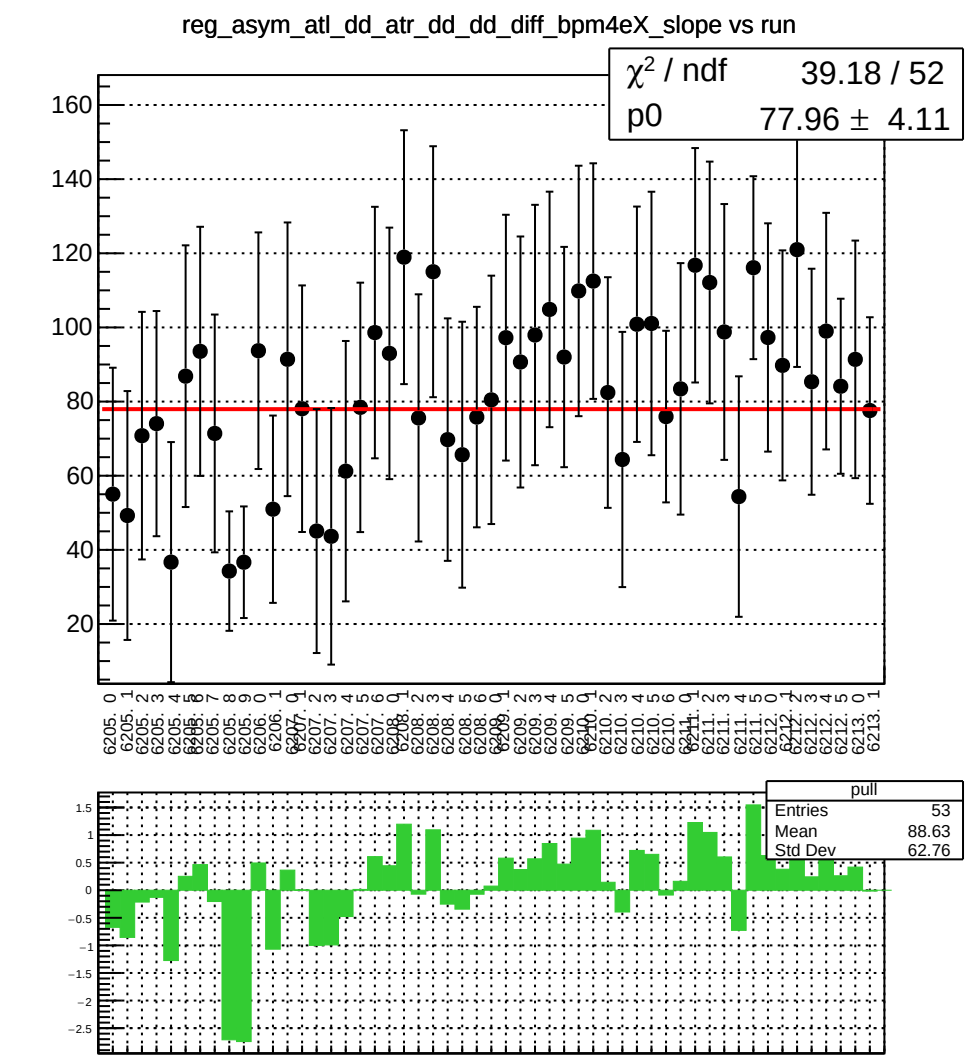

pull1D
Entries 53
Mean 0.03826
Std Dev 0.5932

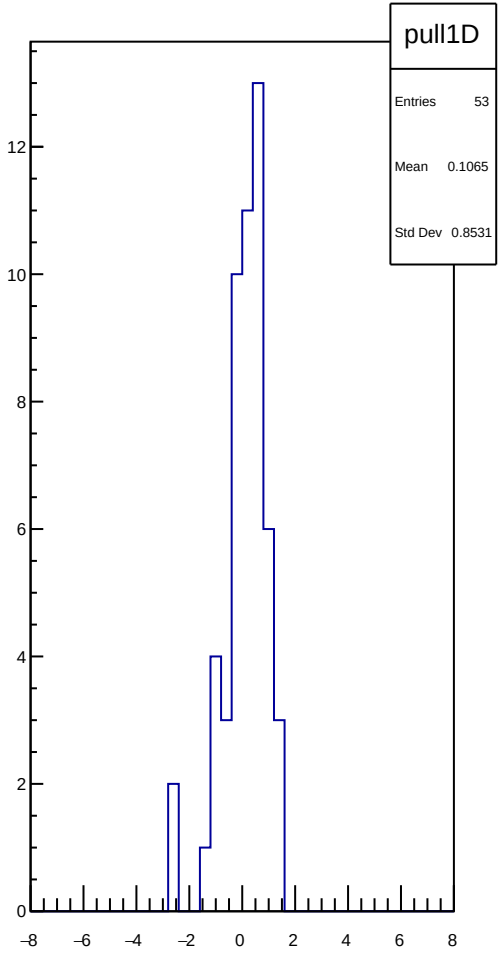

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aX_slope vs run
χ² / ndf 38.57 / 52
p0 −7.946 ± 3.733
pull
Entries 53
Mean 90.22
Std Dev 64.43

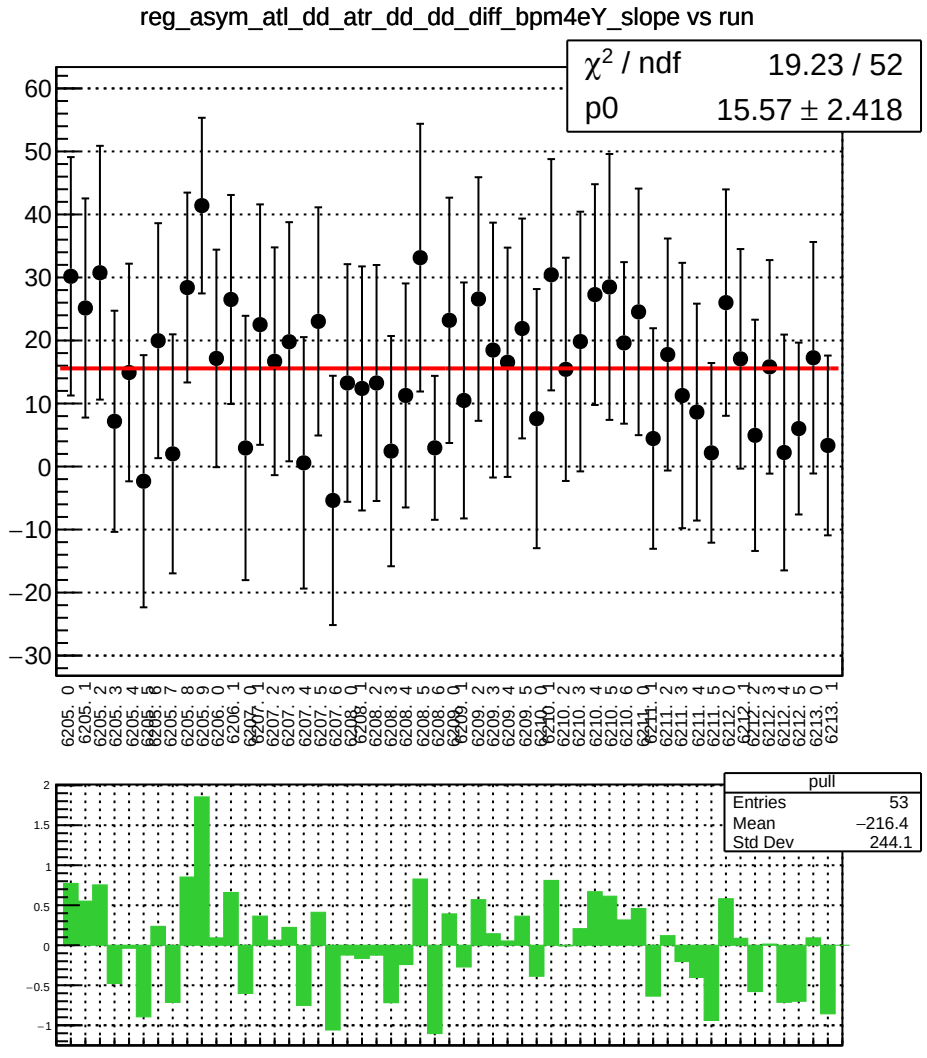

pull1D
Entries 53
Mean −0.1011
Std Dev 0.8471

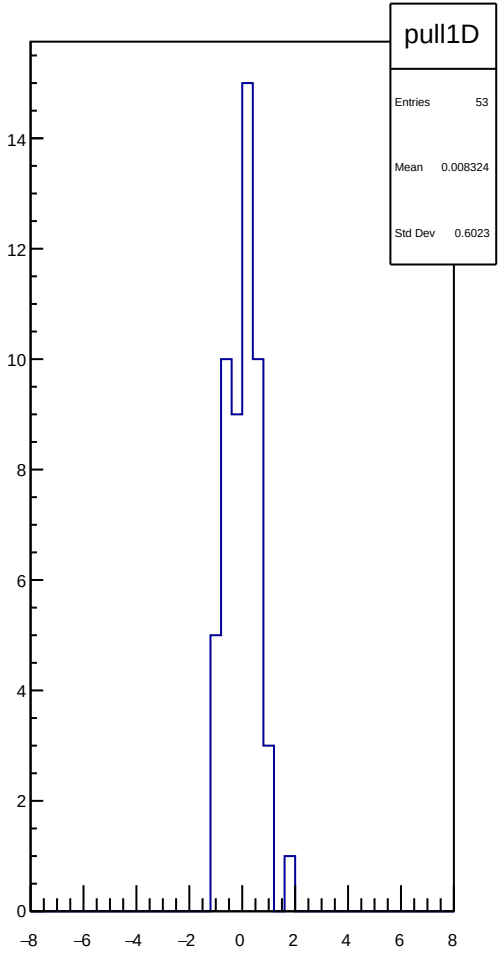

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 19.37 / 52
p0 −6.354 ± 2.178
pull
Entries 53
Mean −83.58
Std Dev 110.9

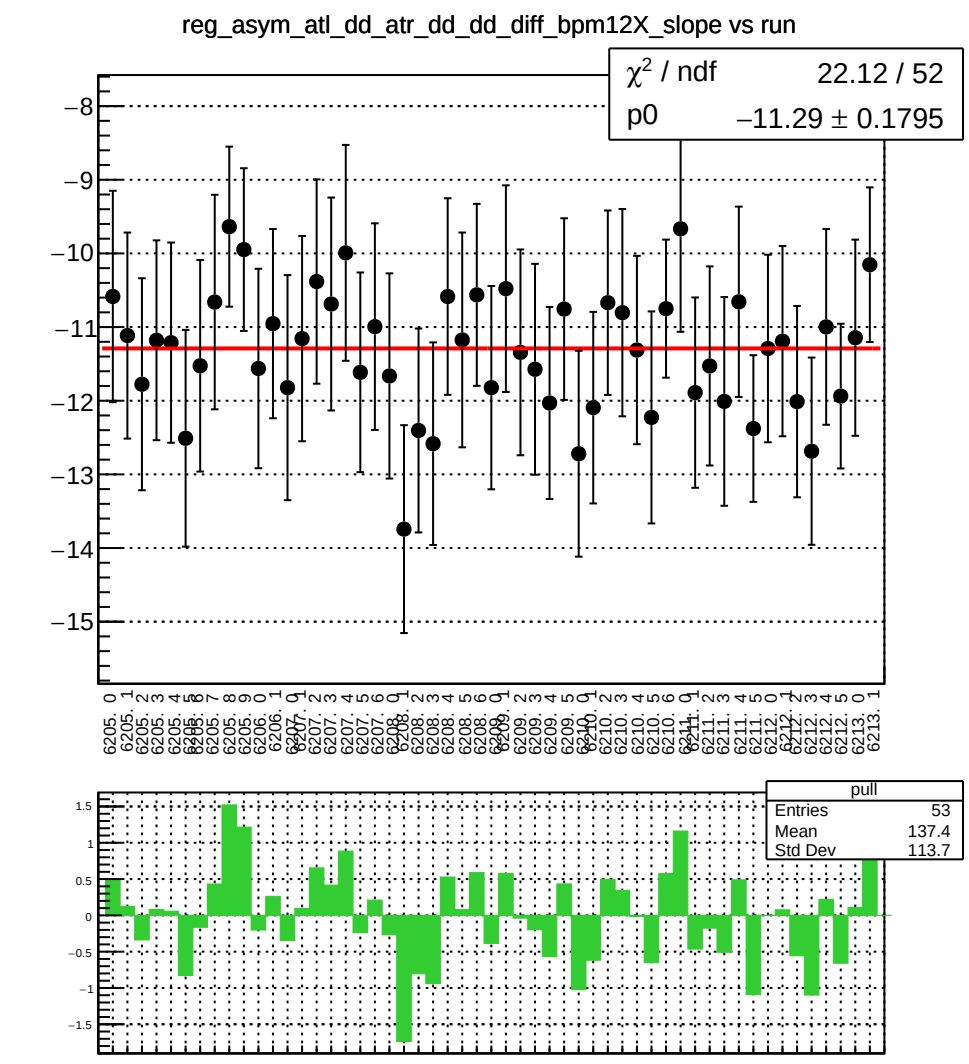

pull1D
Entries 53
Mean −0.01378
Std Dev 0.6043

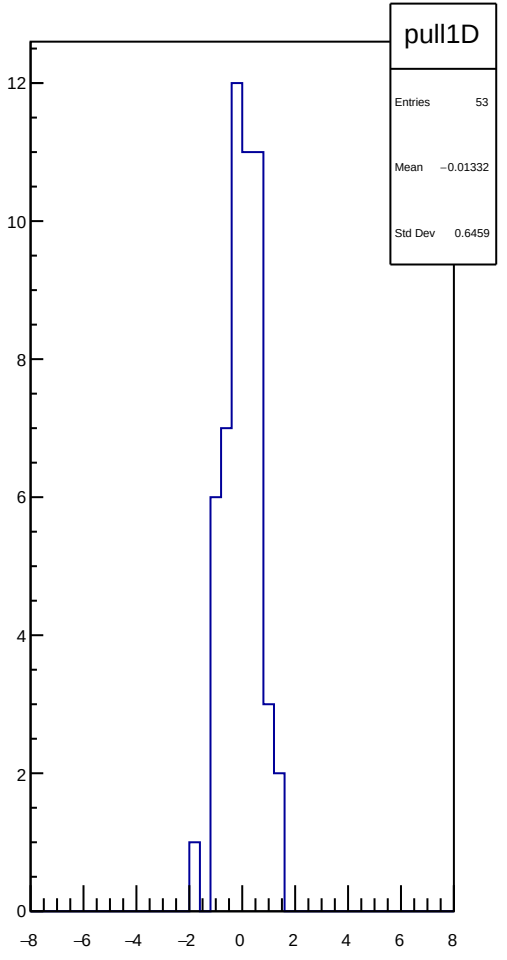

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 39.18 / 52
p0 77.96 ± 4.11
pull
Entries 53
Mean 88.63
Std Dev 62.76

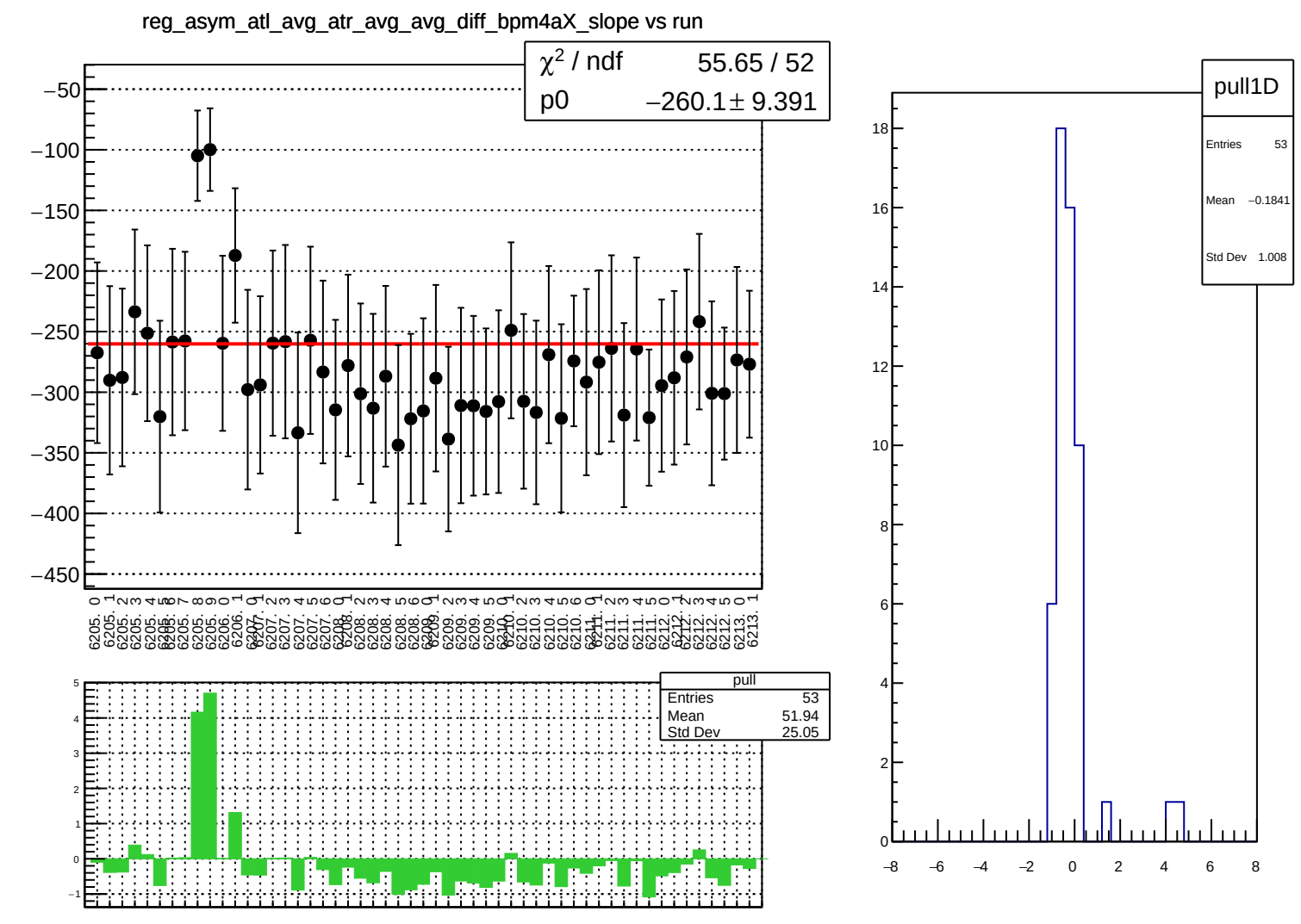

pull1D
Entries 53
Mean 0.1065
Std Dev 0.8531

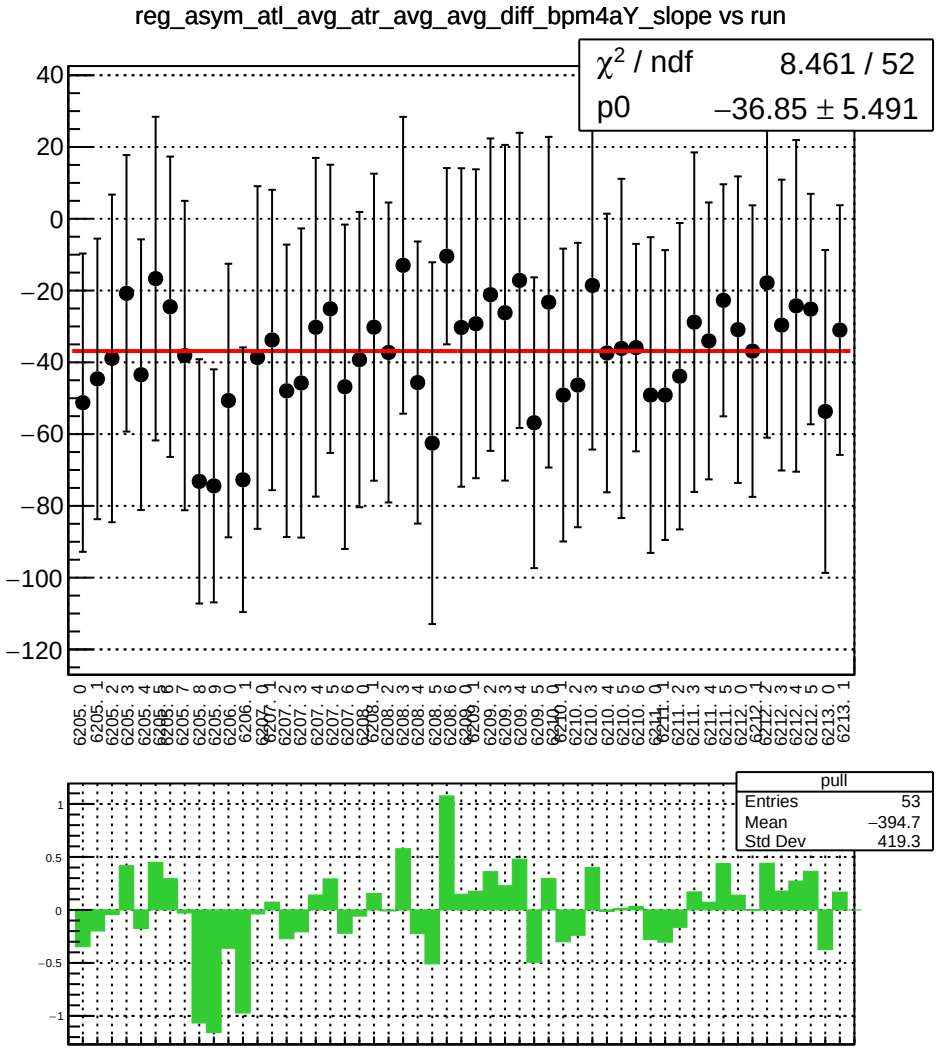

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 19.23 / 52
p0 15.57 ± 2.418
pull
Entries 53
Mean −216.4
Std Dev 244.1

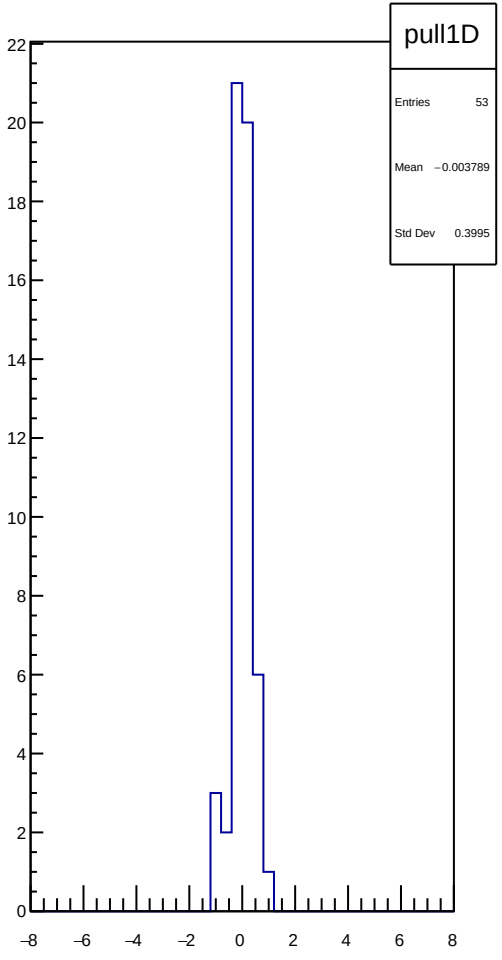

pull1D
Entries 53
Mean 0.008324
Std Dev 0.6023

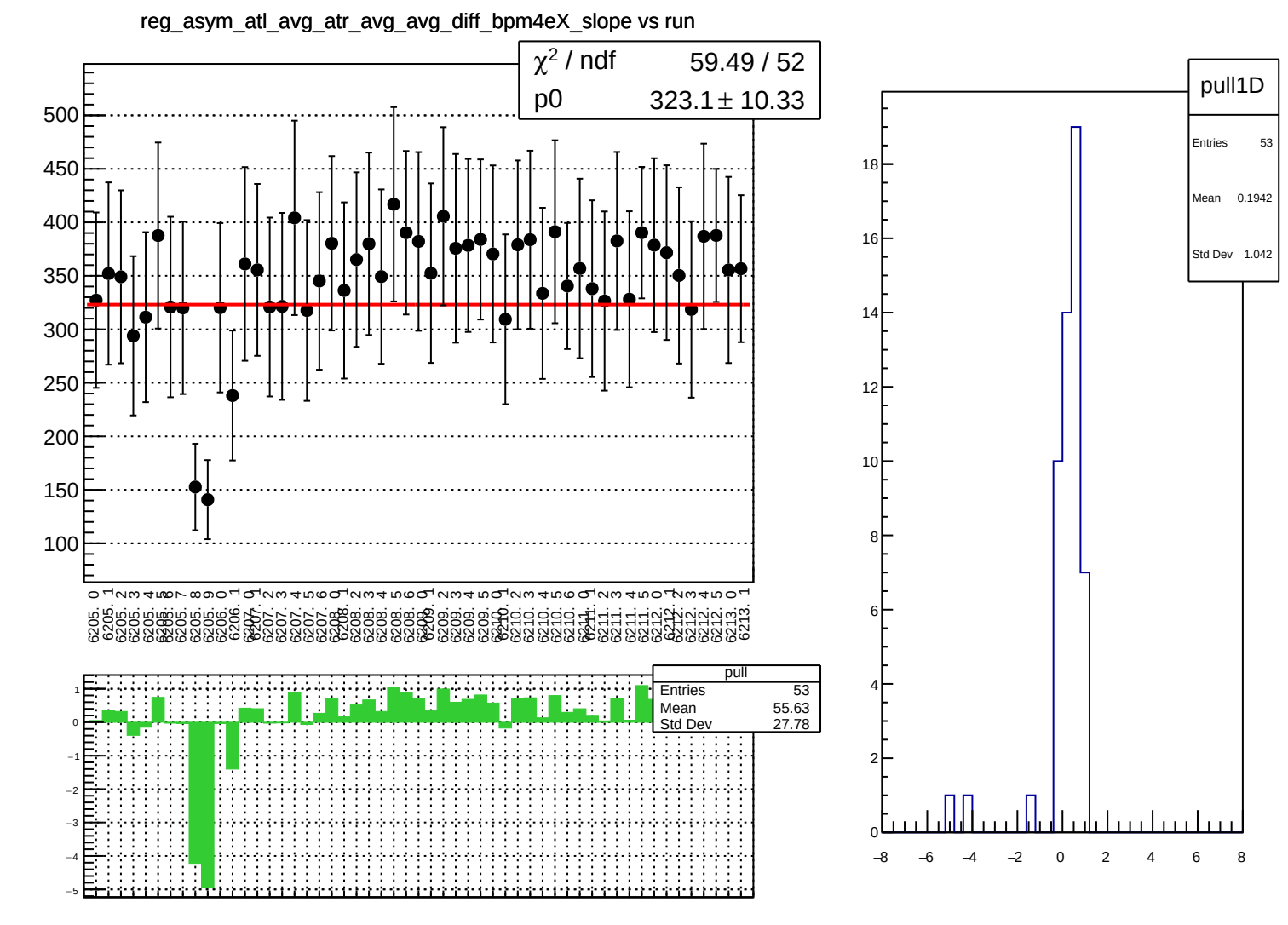

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 22.12 / 52
p0 −11.29 ± 0.1795
pull
Entries 53
Mean 137.4
Std Dev 113.7

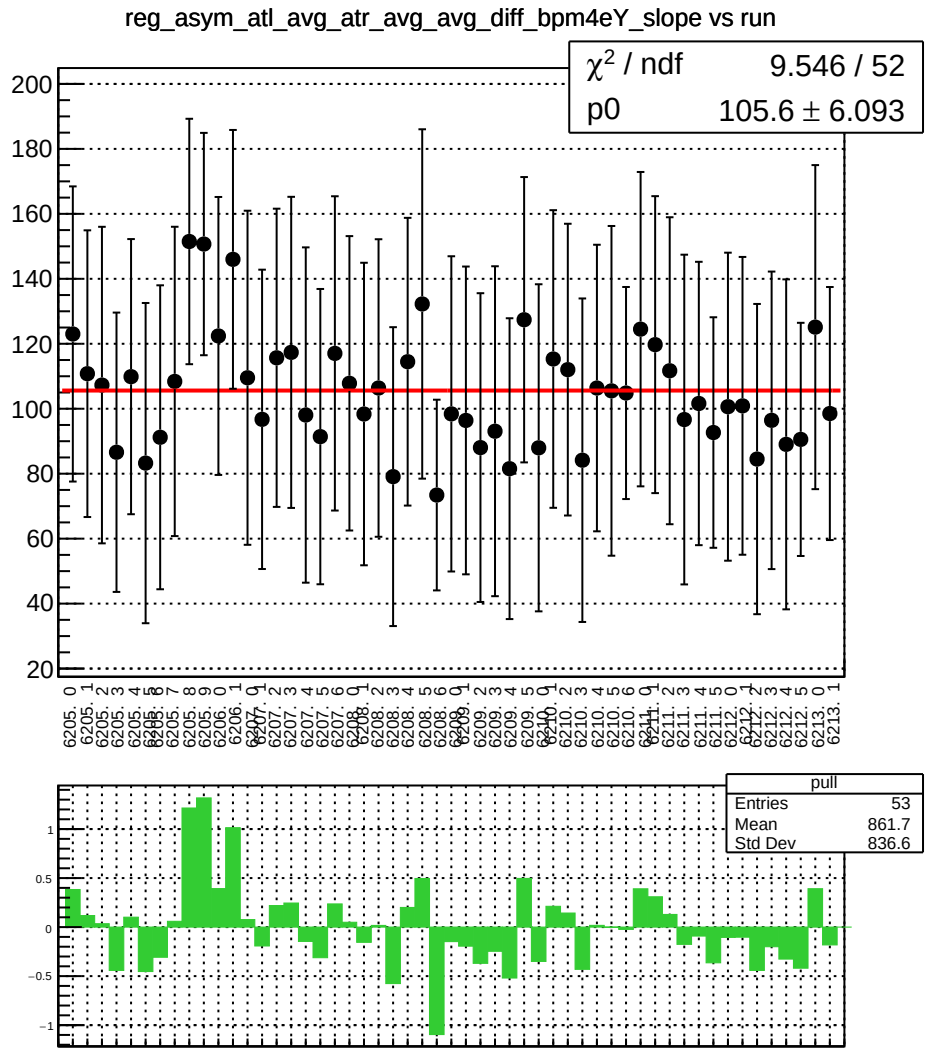

pull1D
Entries 53
Mean −0.01332
Std Dev 0.6459

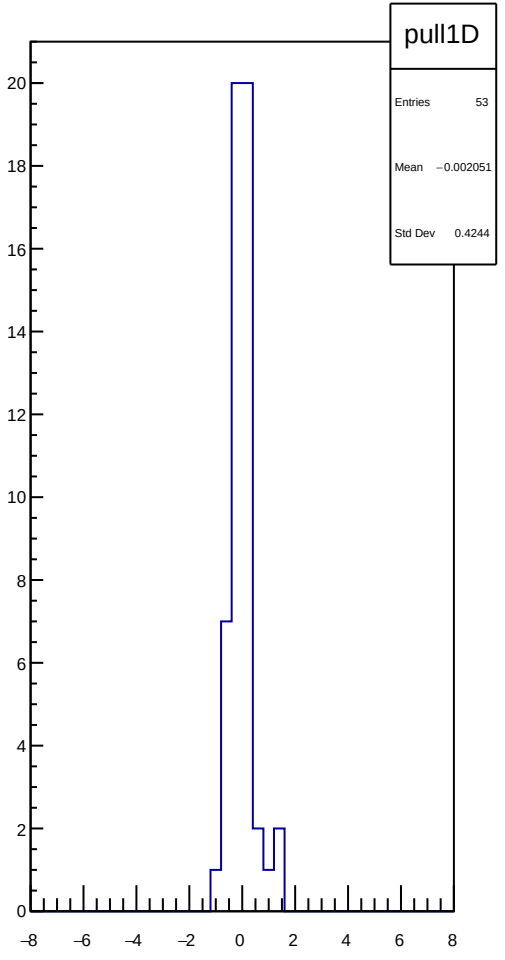

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aX_slope vs run
χ² / ndf 55.65 / 52
p0 −260.1 ± 9.391
pull
Entries 53
Mean 51.94
Std Dev 25.05
pull1D
Entries 53
Mean −0.1841
Std Dev 1.008

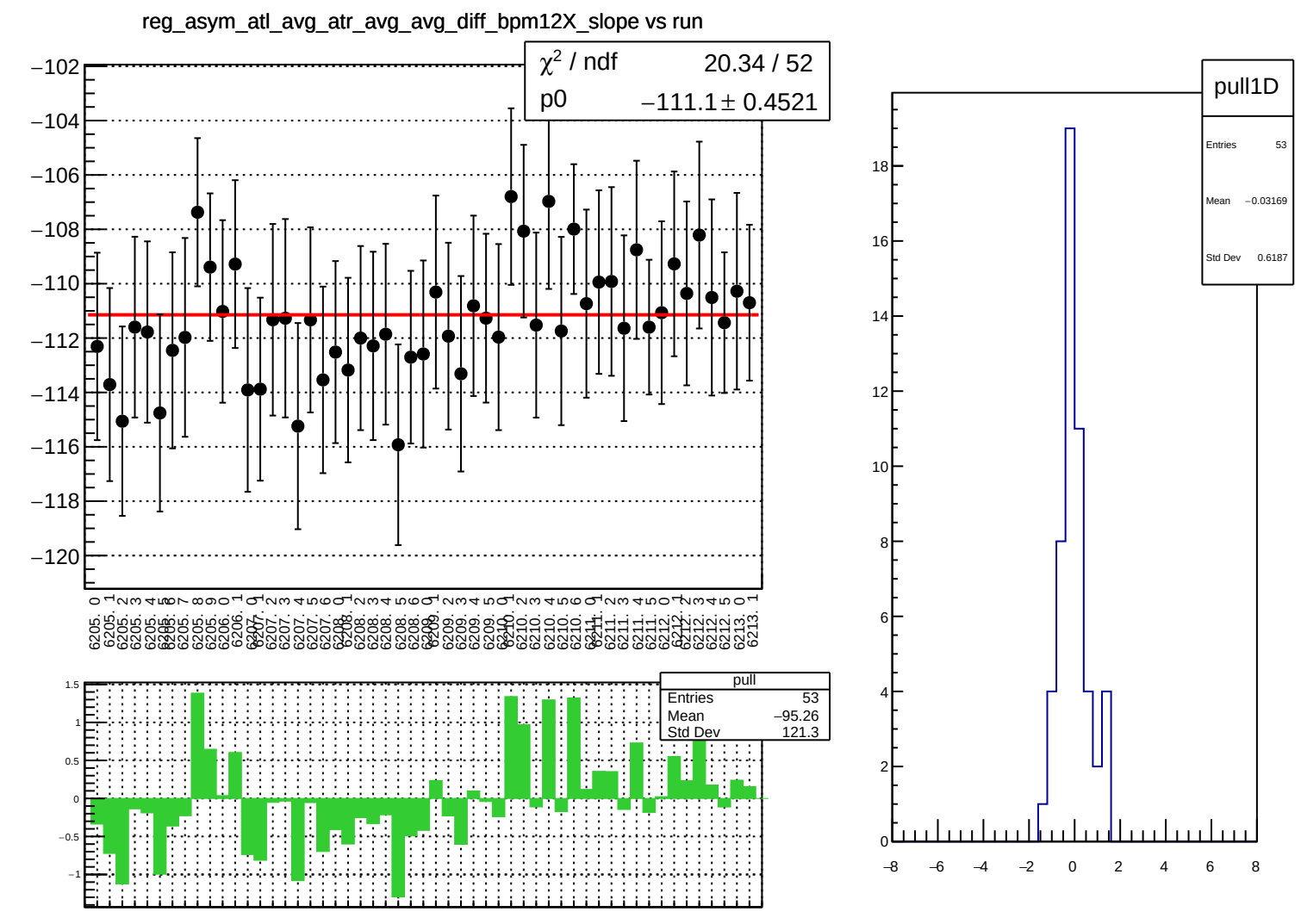

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.461 / 52
p0 −36.85 ± 5.491
pull
Entries 53
Mean −394.7
Std Dev 419.3

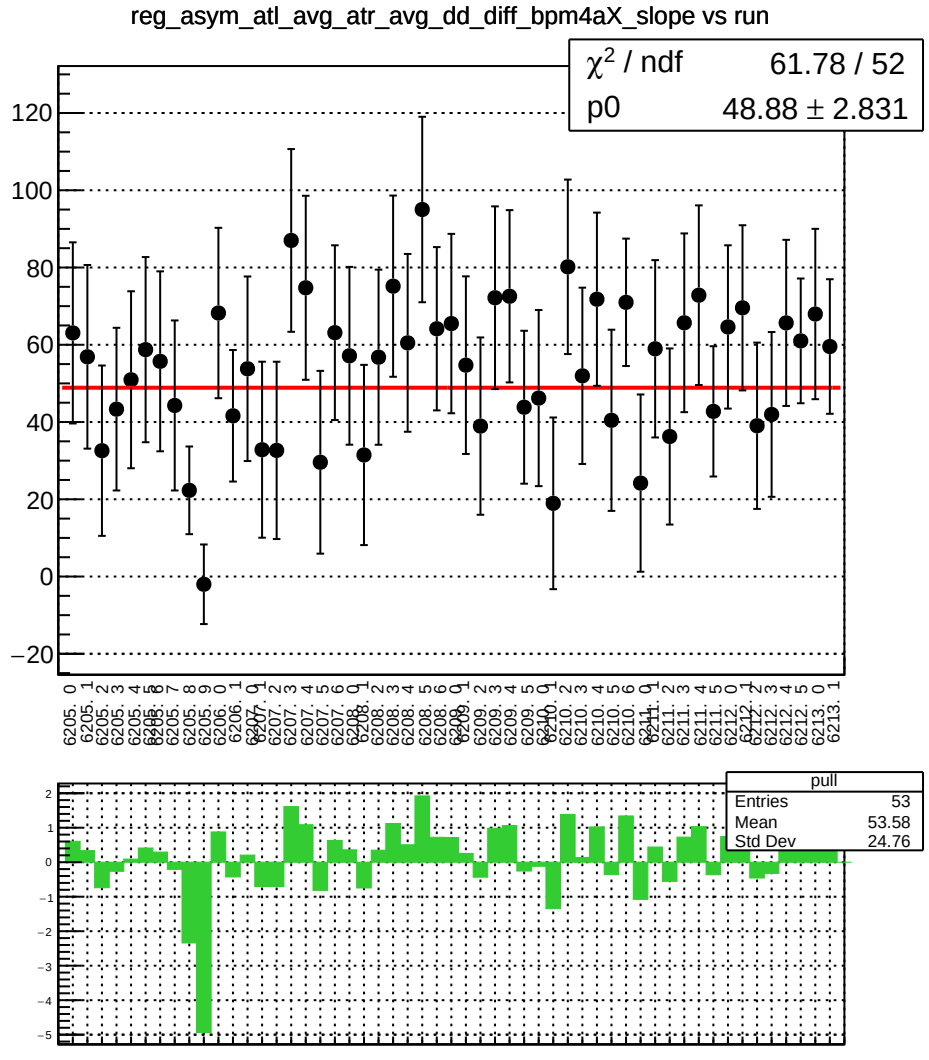

pull1D
Entries 53
Mean −0.003789
Std Dev 0.3995

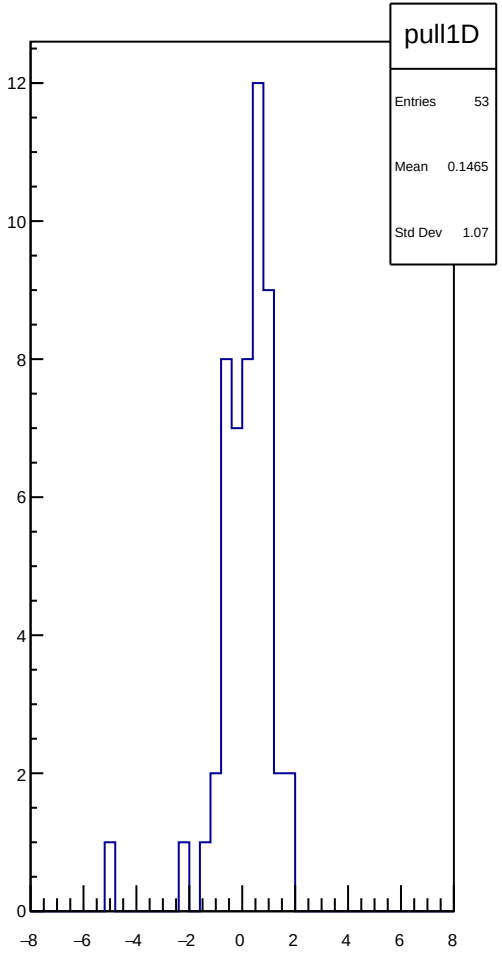

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 59.49 / 52
p0 323.1 ± 10.33
pull
Entries 53
Mean 55.63
Std Dev 27.78
pull1D
Entries 53
Mean 0.1942
Std Dev 1.042

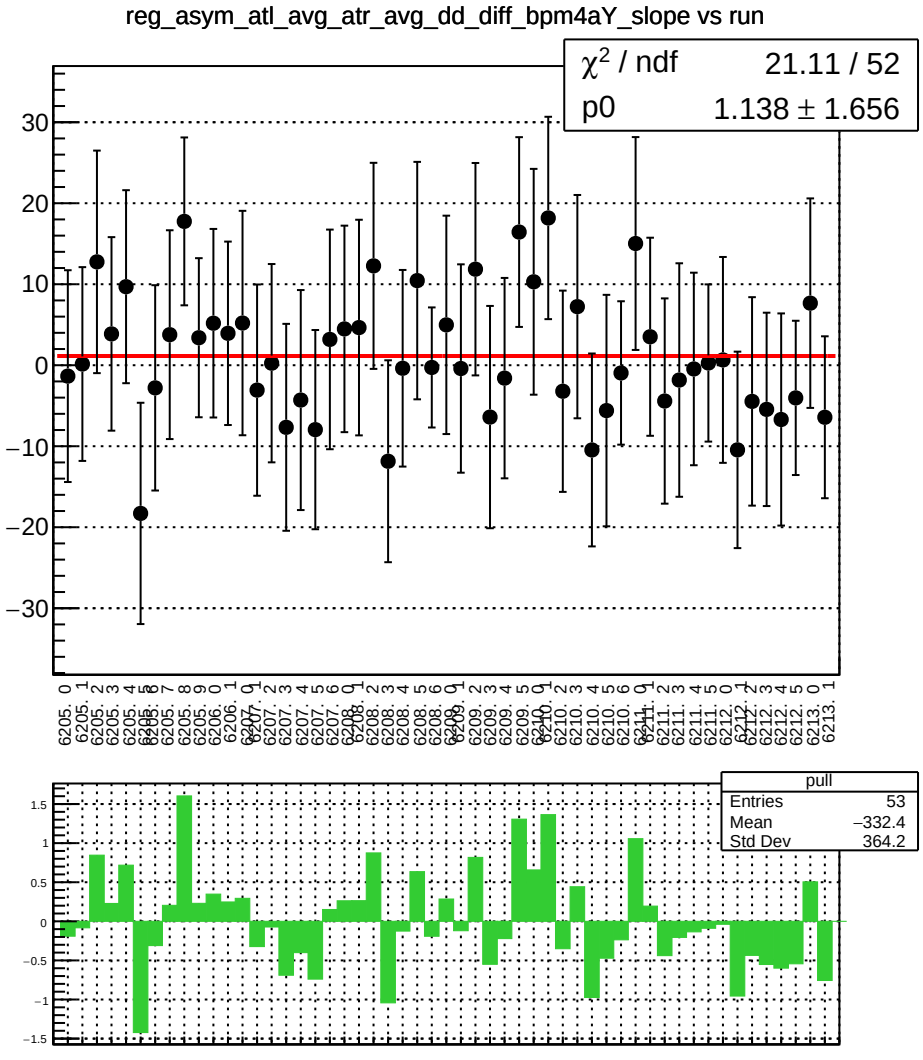

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.546 / 52
p0 105.6 ± 6.093
pull
Entries 53
Mean 861.7
Std Dev 836.6

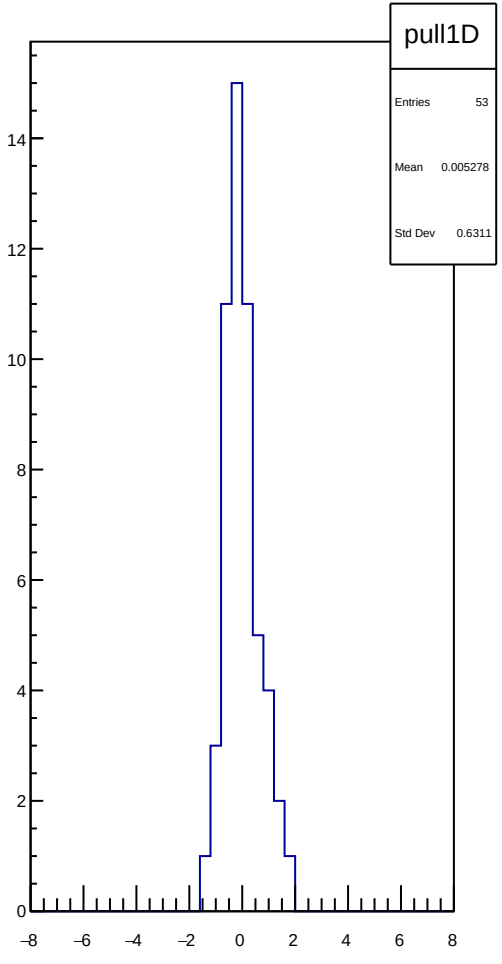

pull1D
Entries 53
Mean −0.002051
Std Dev 0.4244

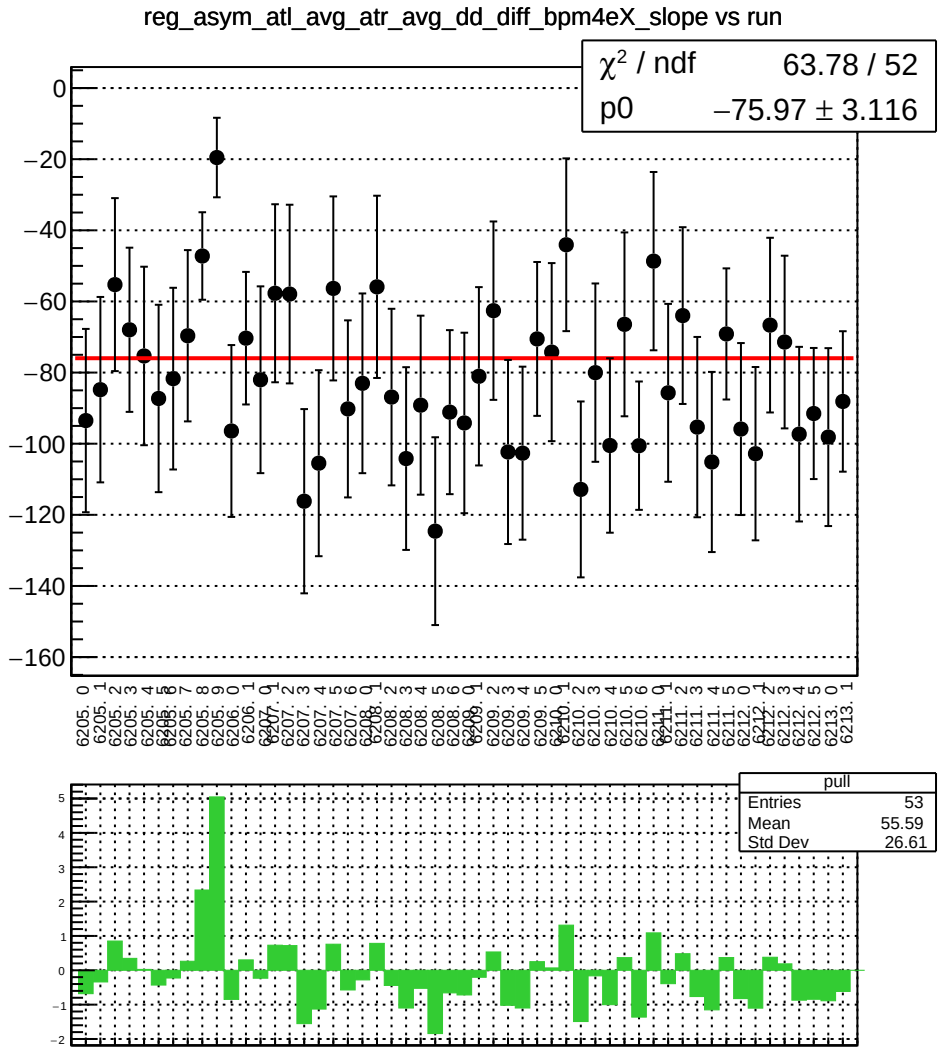

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 20.34 / 52
p0 −111.1 ± 0.4521
pull
Entries 53
Mean −95.26
Std Dev 121.3
pull1D
Entries 53
Mean −0.03169
Std Dev 0.6187

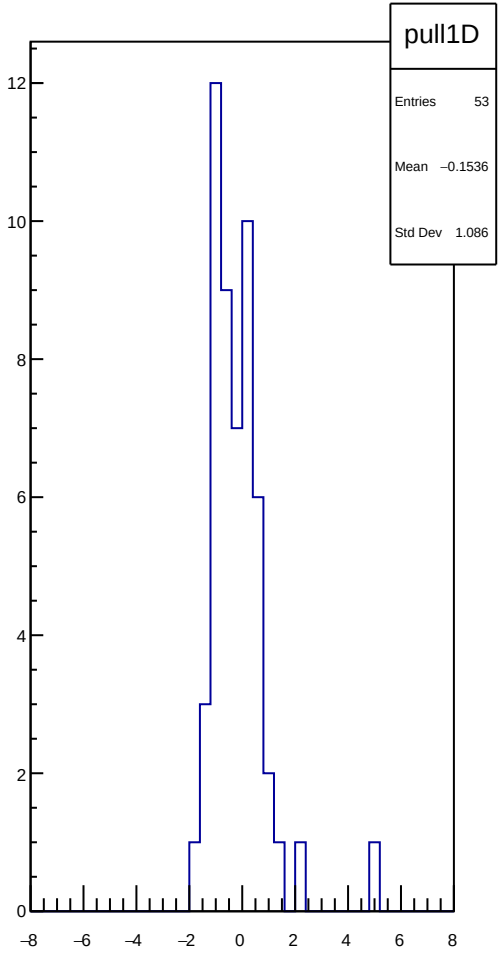

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aX_slope vs run
χ² / ndf 61.78 / 52
p0 48.88 ± 2.831
pull
Entries 53
Mean 53.58
Std Dev 24.76

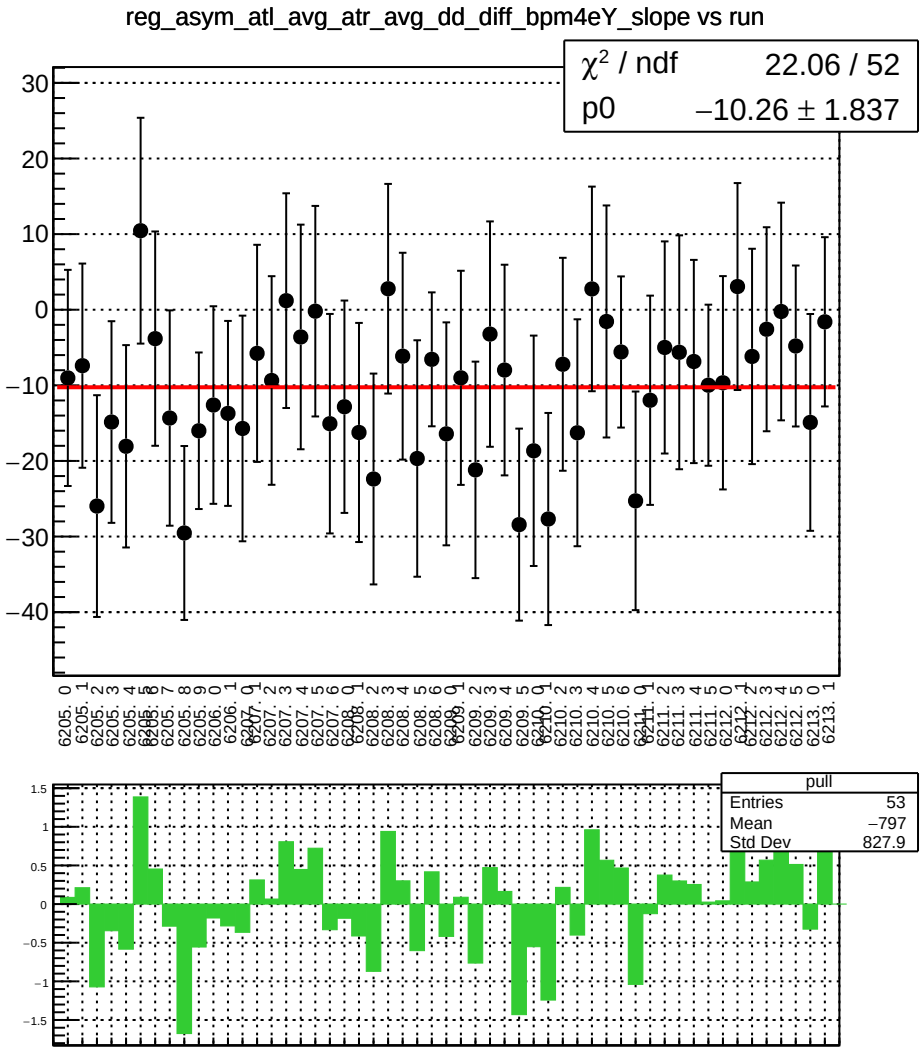

pull1D
Entries 53
Mean 0.1465
Std Dev 1.07

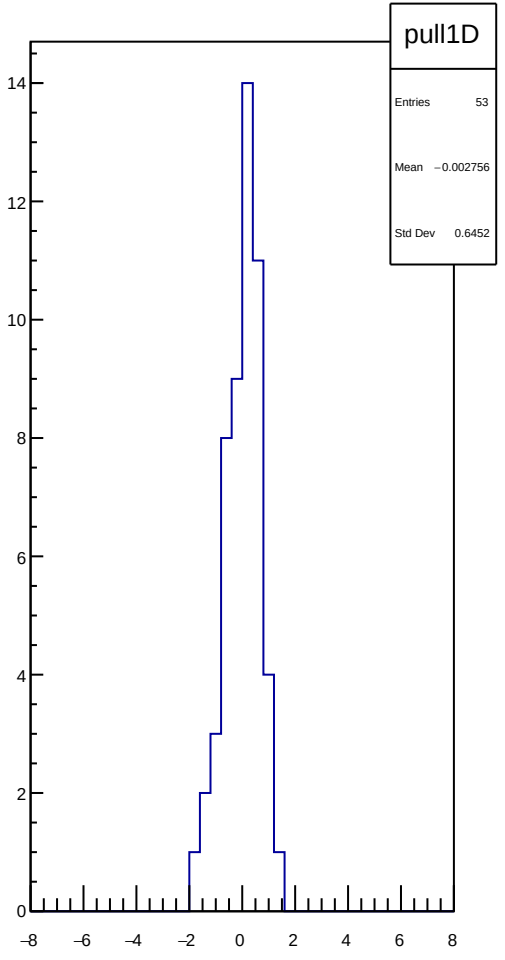

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 21.11 / 52
p0 1.138 ± 1.656
pull
Entries 53
Mean −332.4
Std Dev 364.2

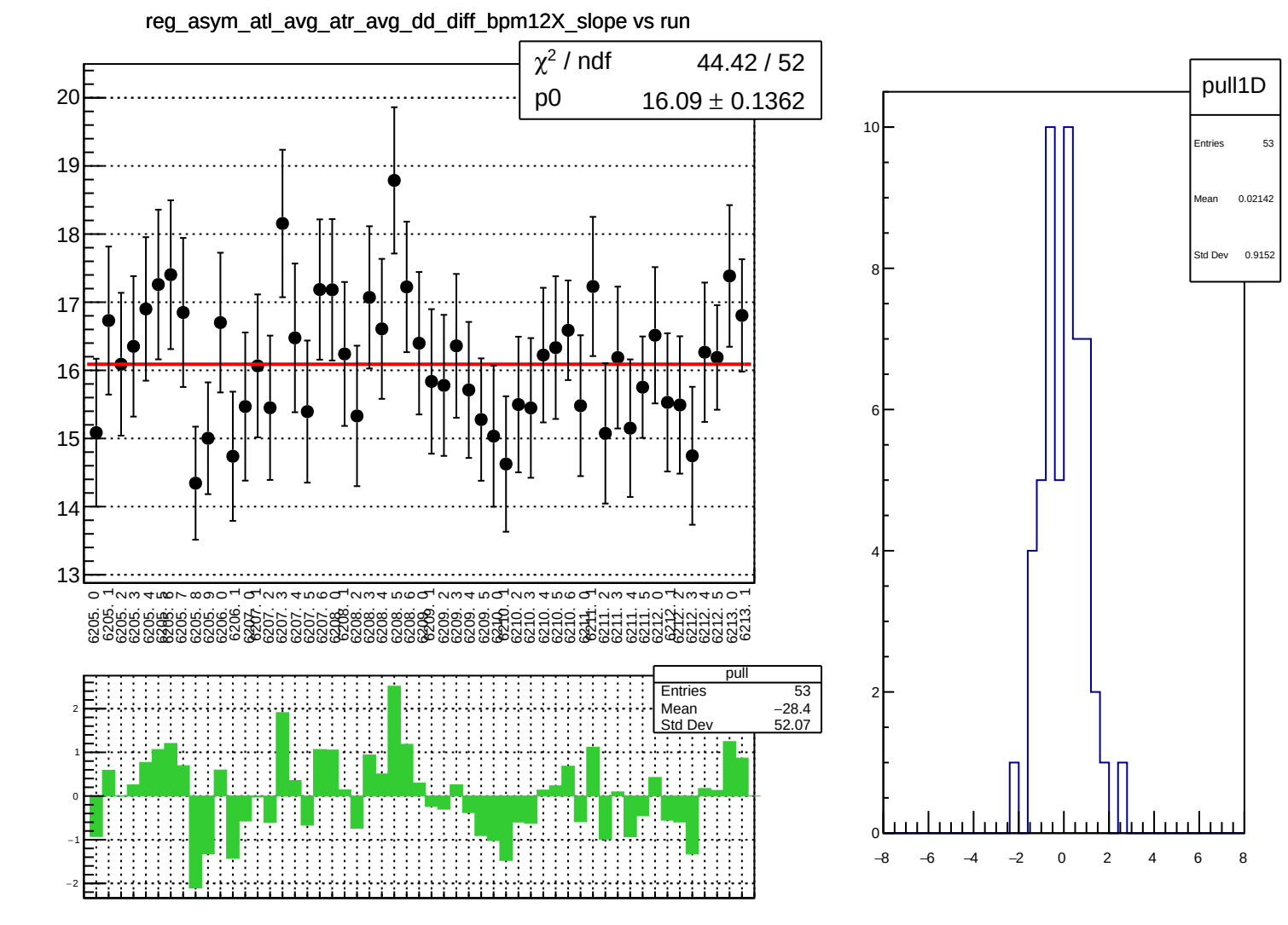

pull1D
Entries 53
Mean 0.005278
Std Dev 0.6311

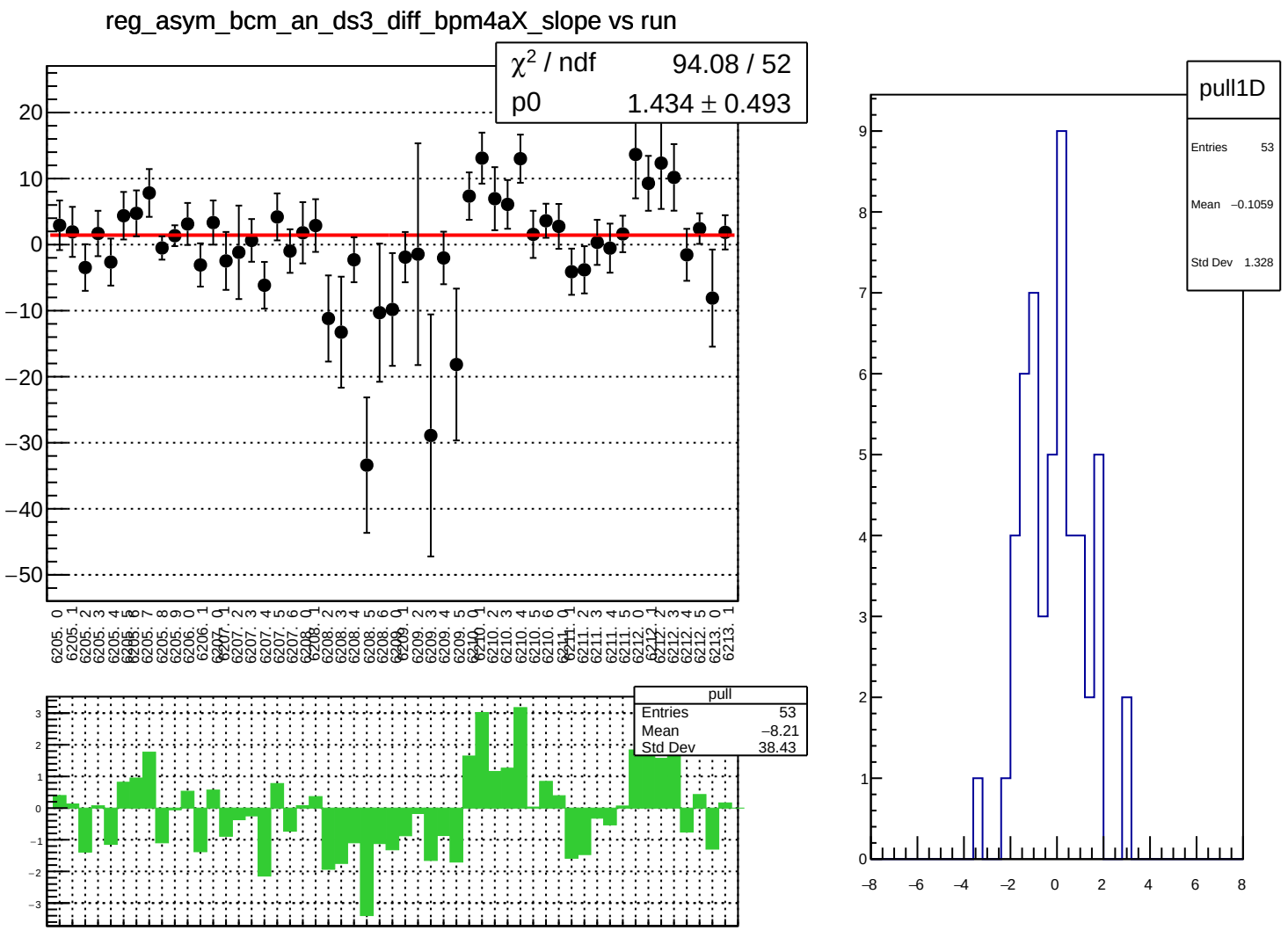

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 63.78 / 52
p0 −75.97 ± 3.116
pull
Entries 53
Mean 55.59
Std Dev 26.61

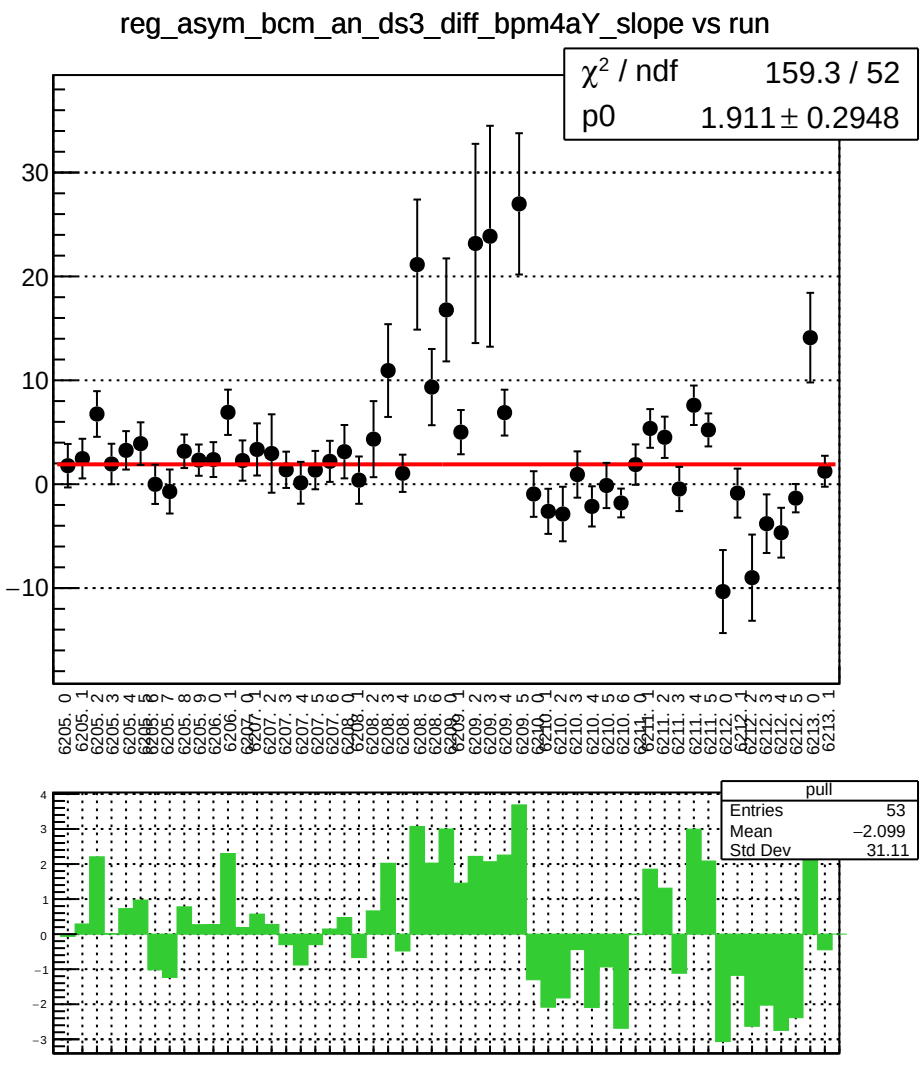

pull1D
Entries 53
Mean −0.1536
Std Dev 1.086

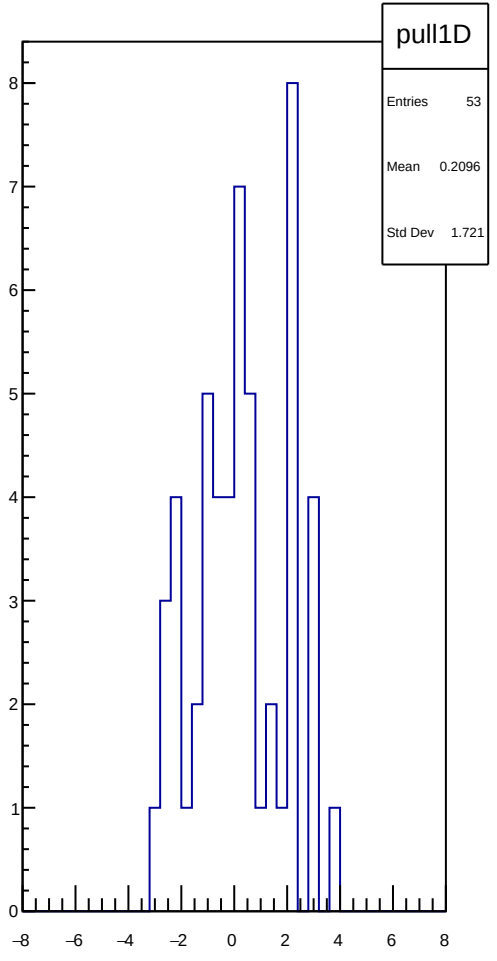

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 22.06 / 52
p0 −10.26 ± 1.837
pull
Entries 53
Mean −797
Std Dev 827.9

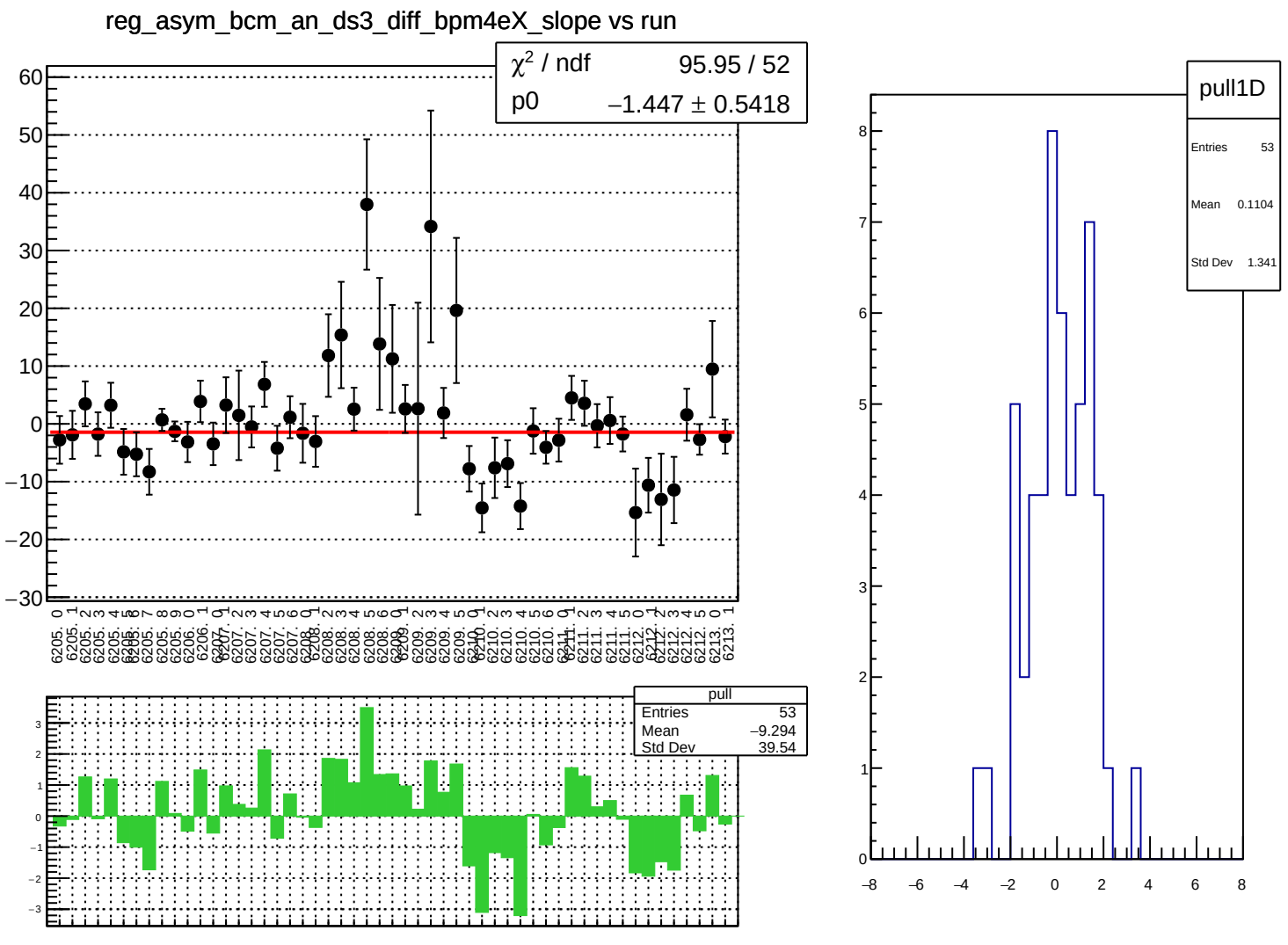

pull1D
Entries 53
Mean −0.002756
Std Dev 0.6452

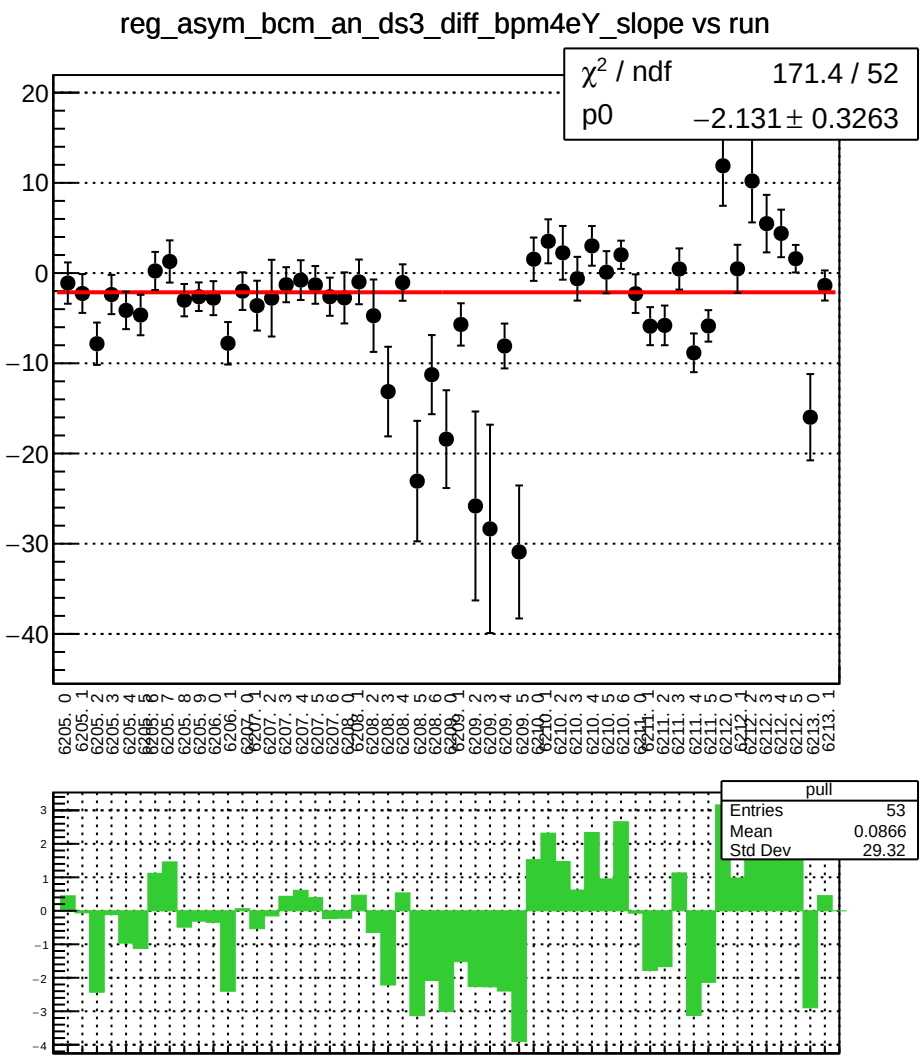

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 44.42 / 52
p0 16.09 ± 0.1362
pull
Entries 53
Mean −28.4
Std Dev 52.07
pull1D
Entries 53
Mean 0.02142
Std Dev 0.9152

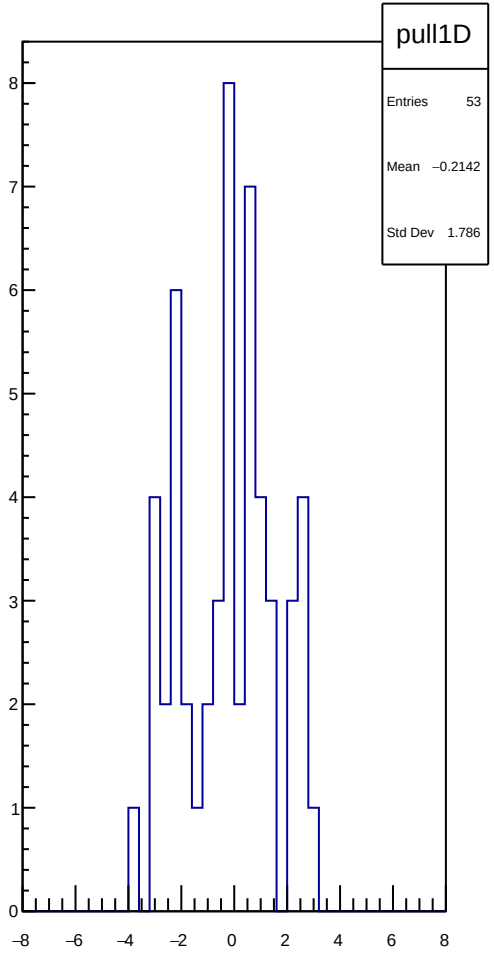

reg_asym_bcm_an_ds3_diff_bpm4aX_slope vs run
χ² / ndf 94.08 / 52
p0 1.434 ± 0.493
pull
Entries 53
Mean −8.21
Std Dev 38.43
pull1D
Entries 53
Mean −0.1059
Std Dev 1.328

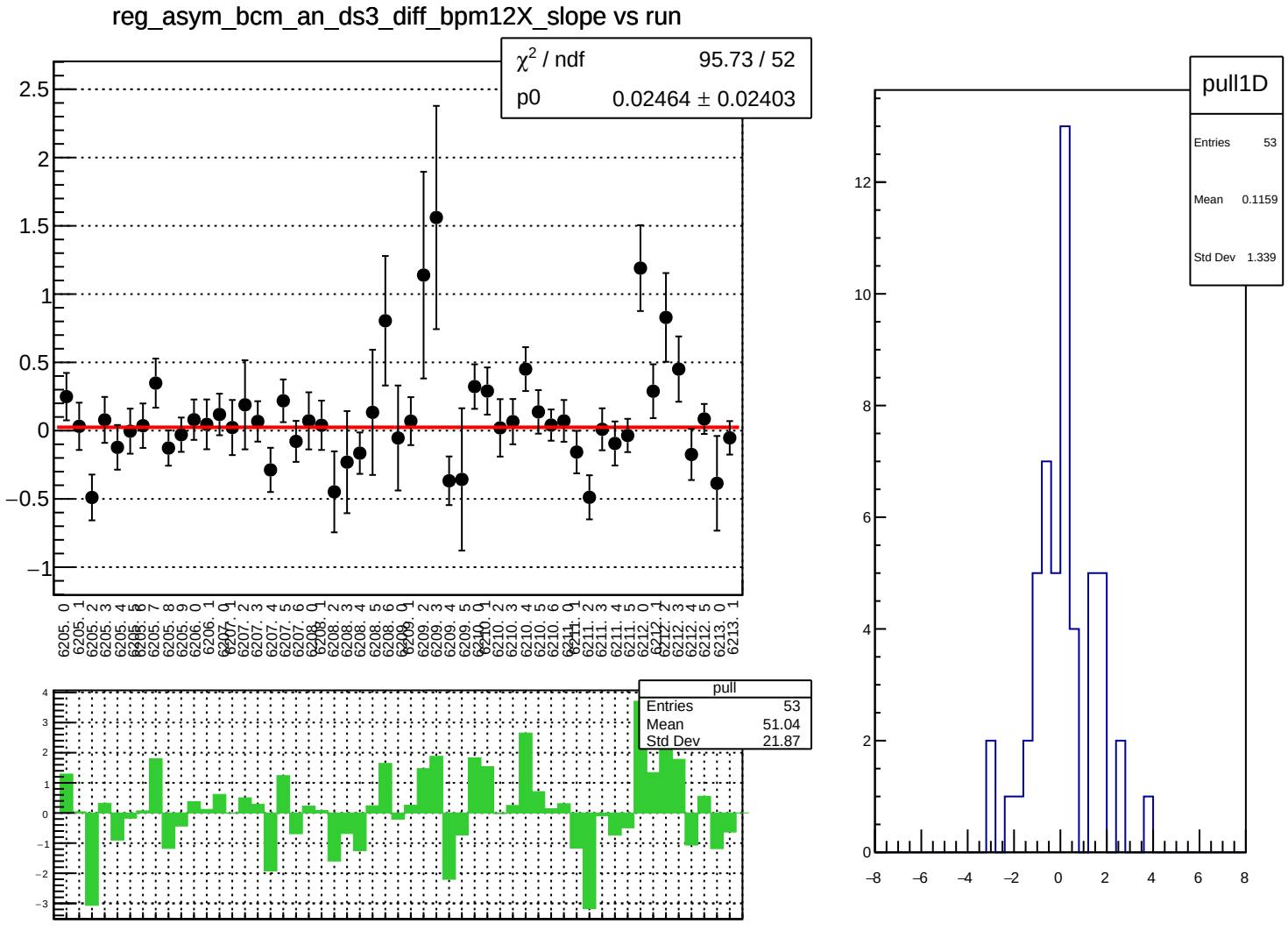

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 159.3 / 52
p0 1.911 ± 0.2948
pull
Entries 53
Mean −2.099
Std Dev 31.11

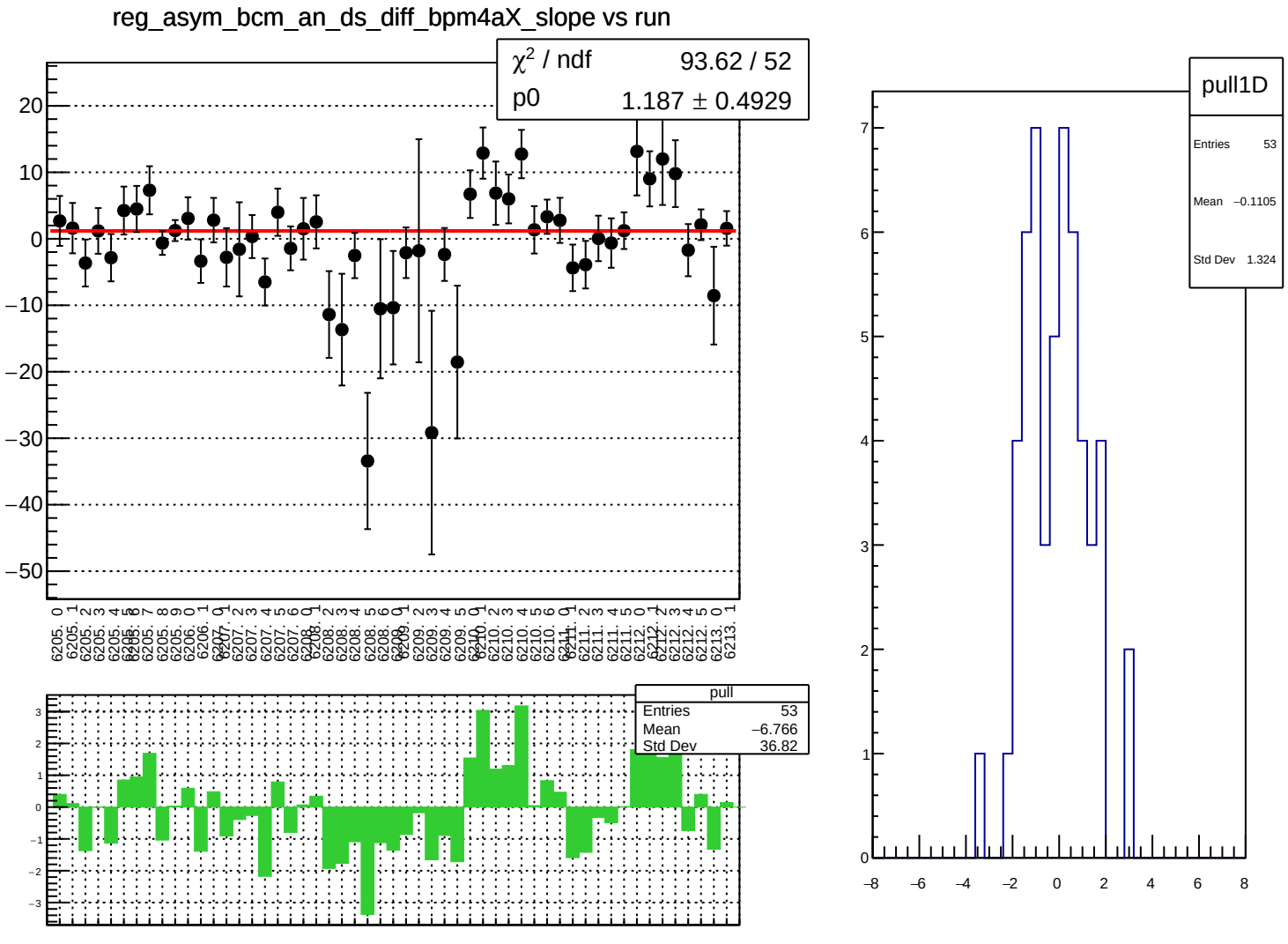

pull1D
Entries 53
Mean 0.2096
Std Dev 1.721

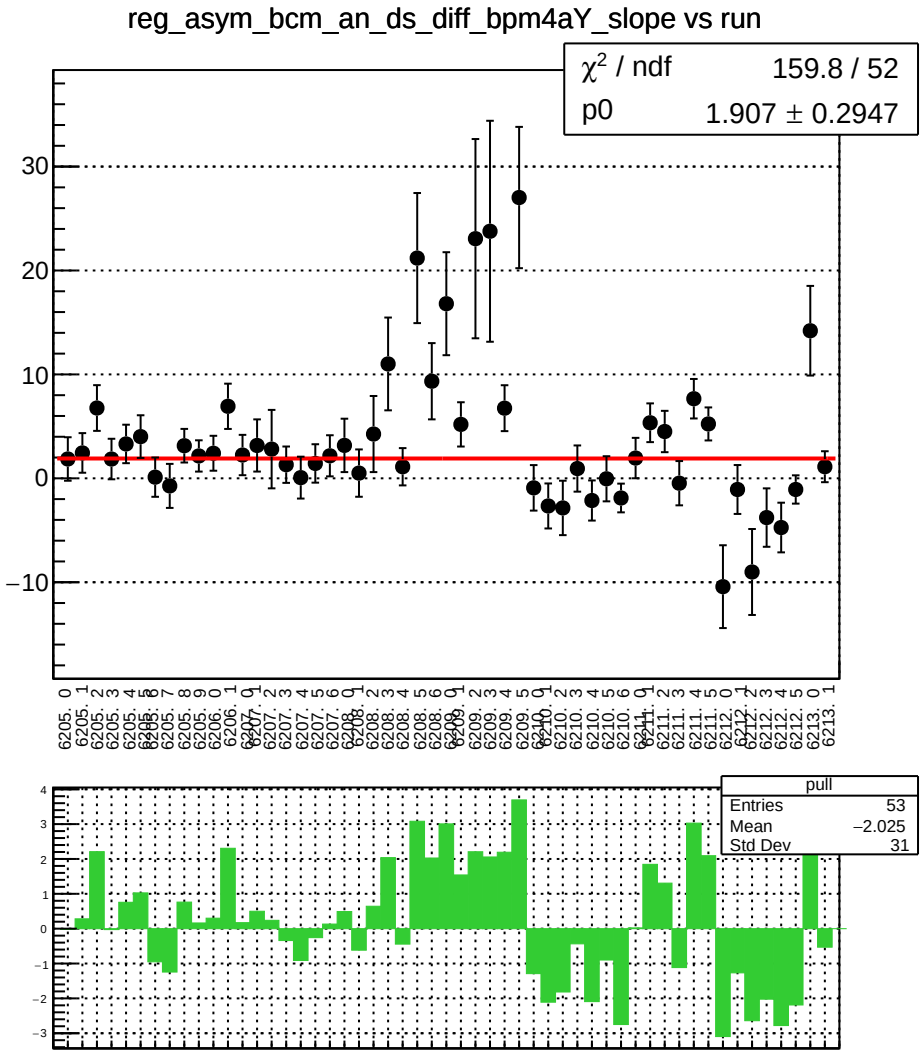

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 95.95 / 52
p0 −1.447 ± 0.5418
pull
Entries 53
Mean −9.294
Std Dev 39.54
pull1D
Entries 53
Mean 0.1104
Std Dev 1.341

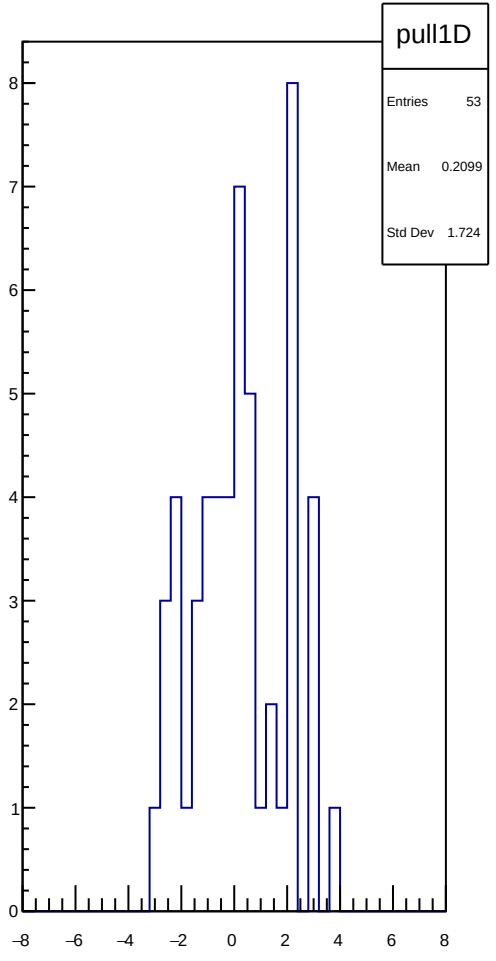

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 171.4 / 52
p0 −2.131 ± 0.3263
pull
Entries 53
Mean 0.0866
Std Dev 29.32

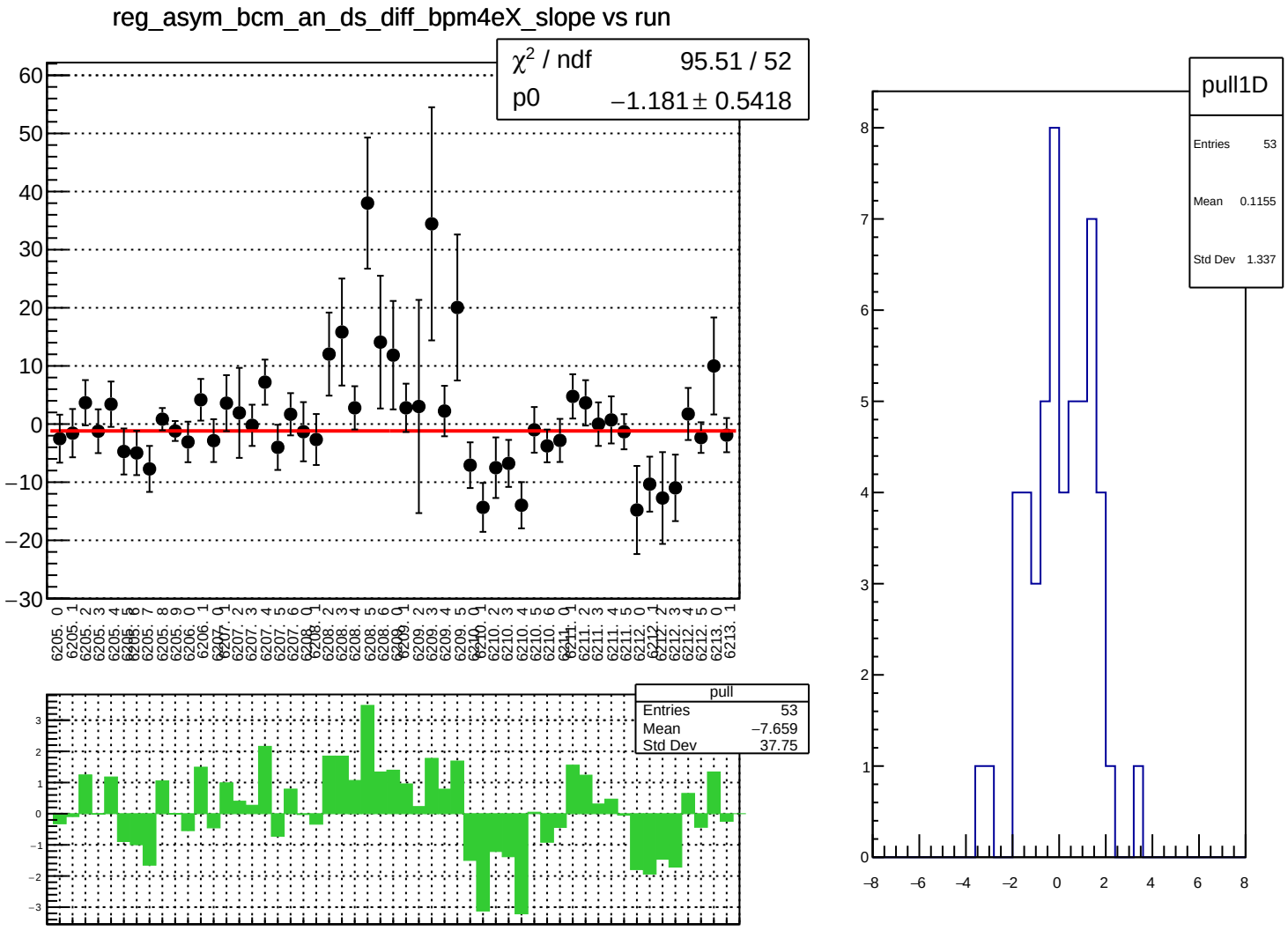

pull1D
Entries 53
Mean −0.2142
Std Dev 1.786

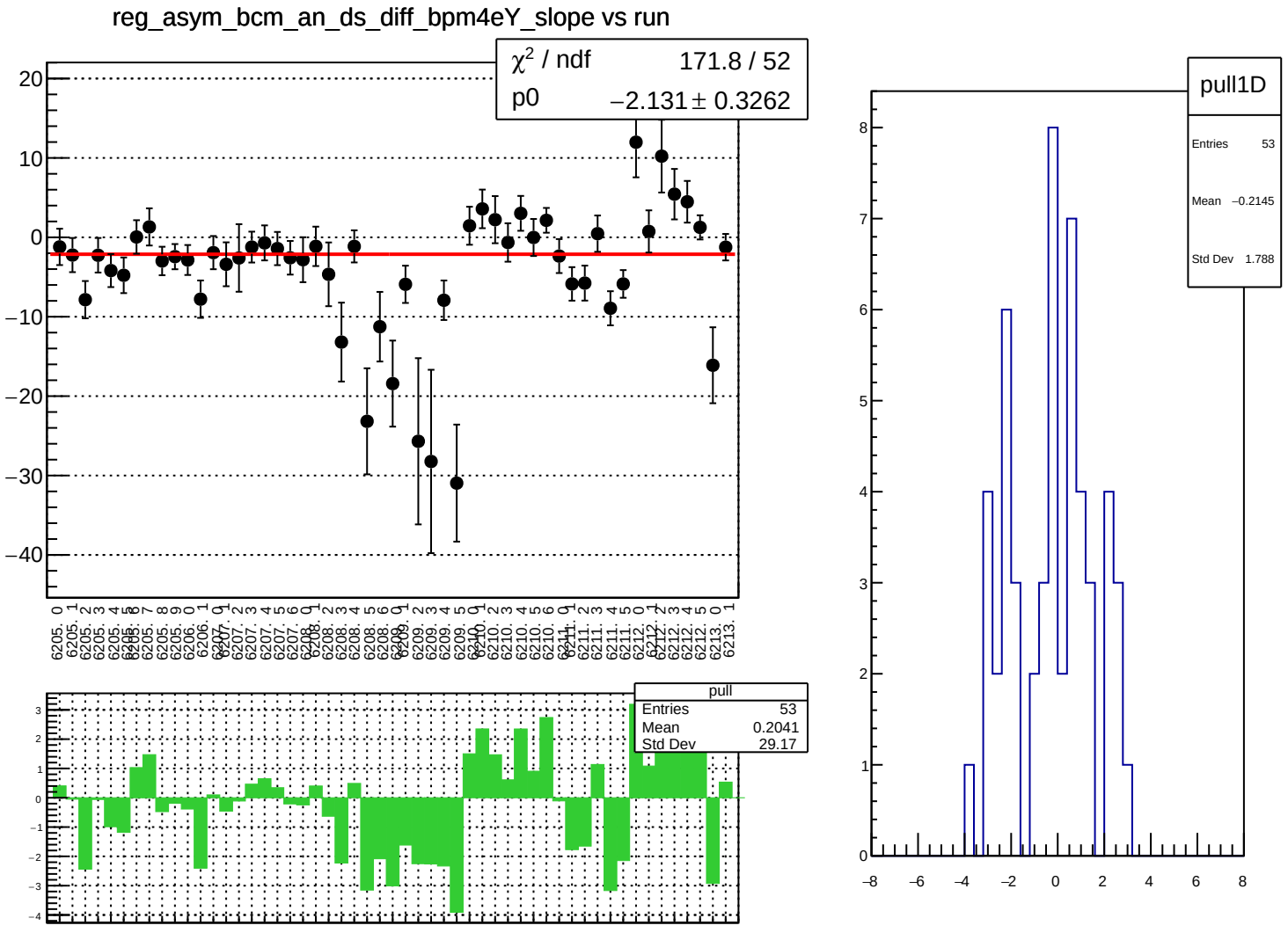

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 95.73 / 52
p0 0.02464 ± 0.02403
pull
Entries 53
Mean 51.04
Std Dev 21.87
pull1D
Entries 53
Mean 0.1159
Std Dev 1.339

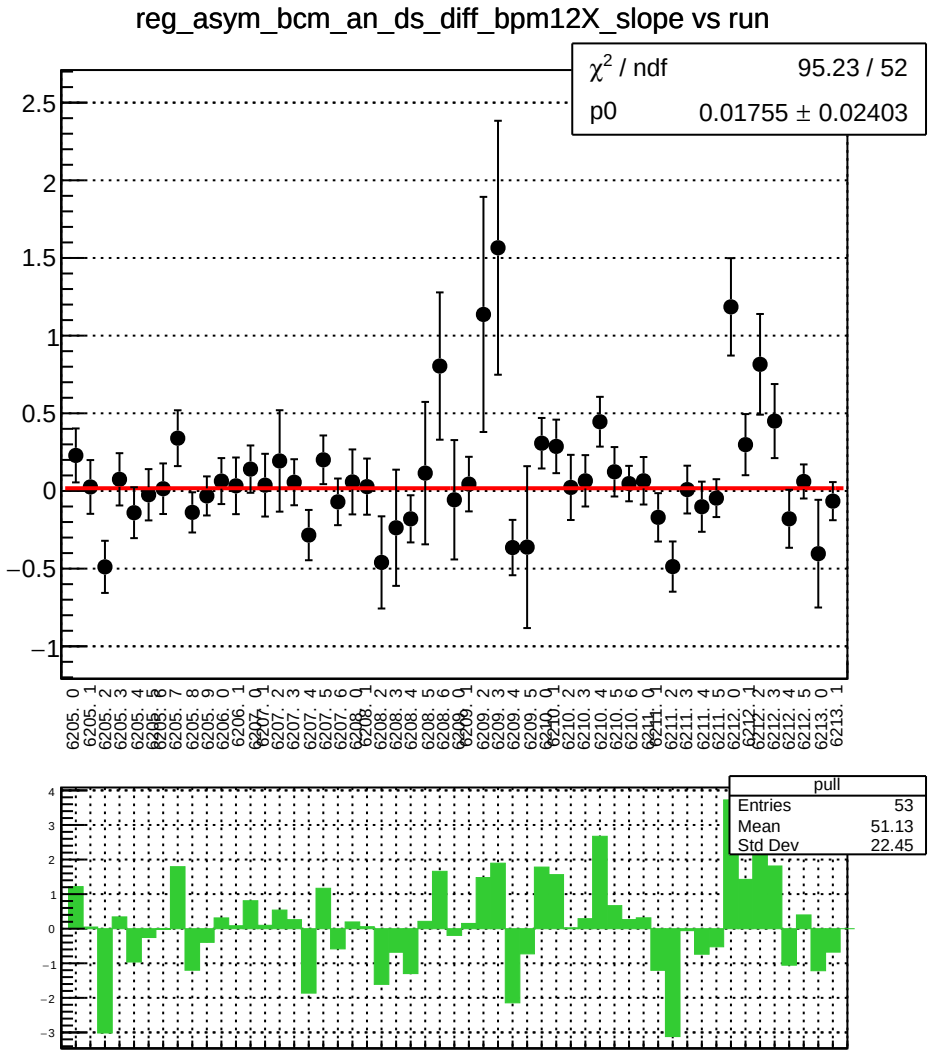

reg_asym_bcm_an_ds_diff_bpm4aX_slope vs run
χ² / ndf 93.62 / 52
p0 1.187 ± 0.4929
pull
Entries 53
Mean −6.766
Std Dev 36.82
pull1D
Entries 53
Mean −0.1105
Std Dev 1.324

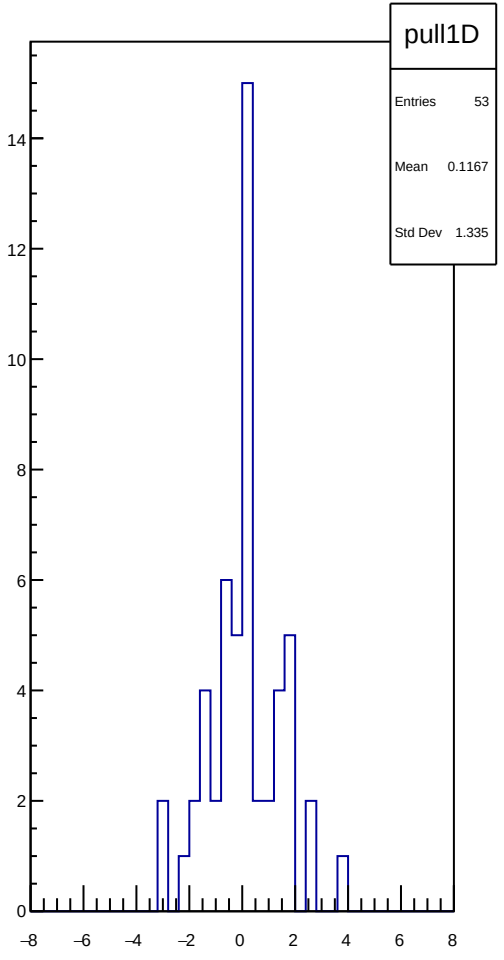

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 159.8 / 52
p0 1.907 ± 0.2947
pull
Entries 53
Mean −2.025
Std Dev 31

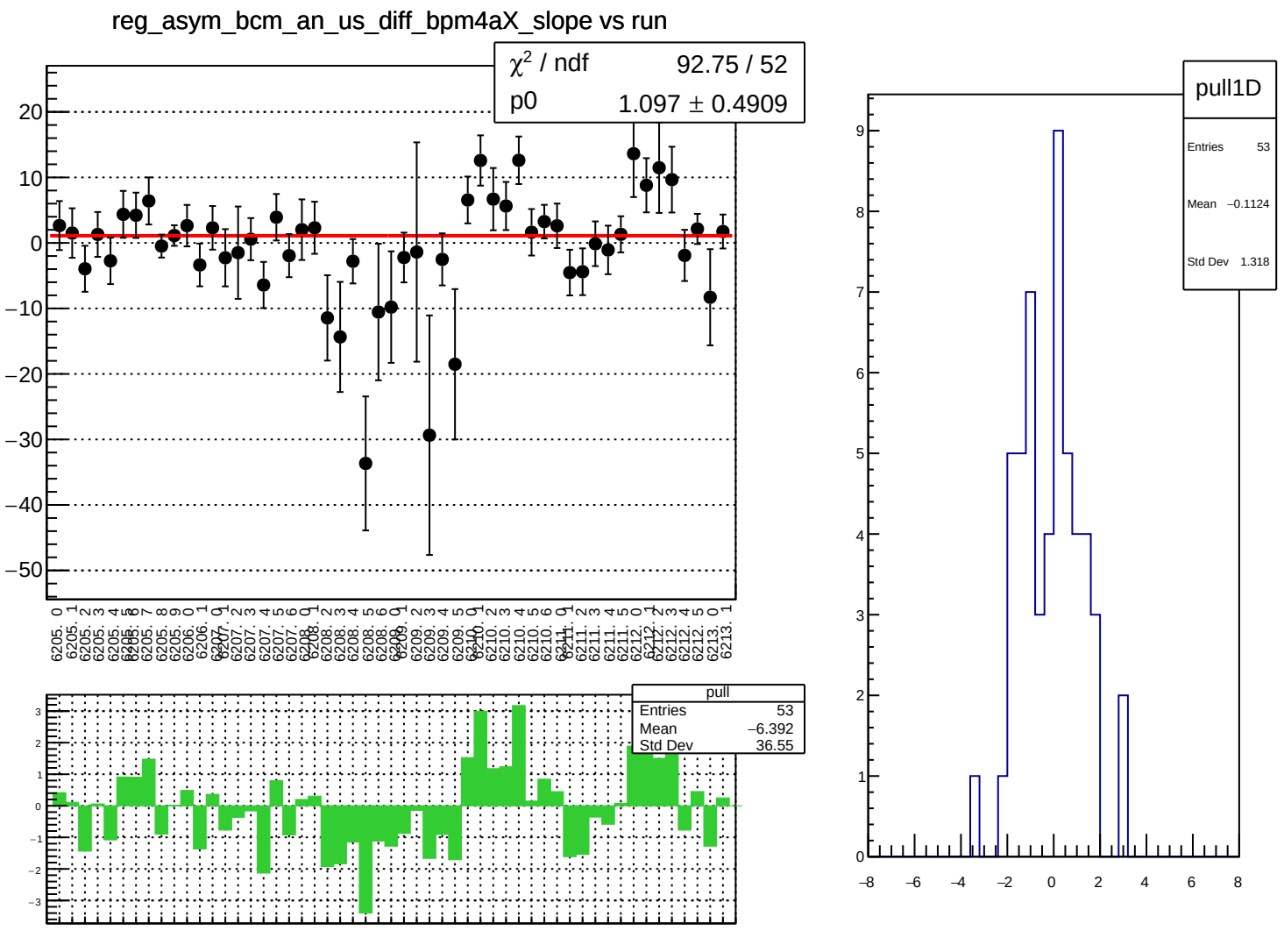

pull1D
Entries 53
Mean 0.2099
Std Dev 1.724

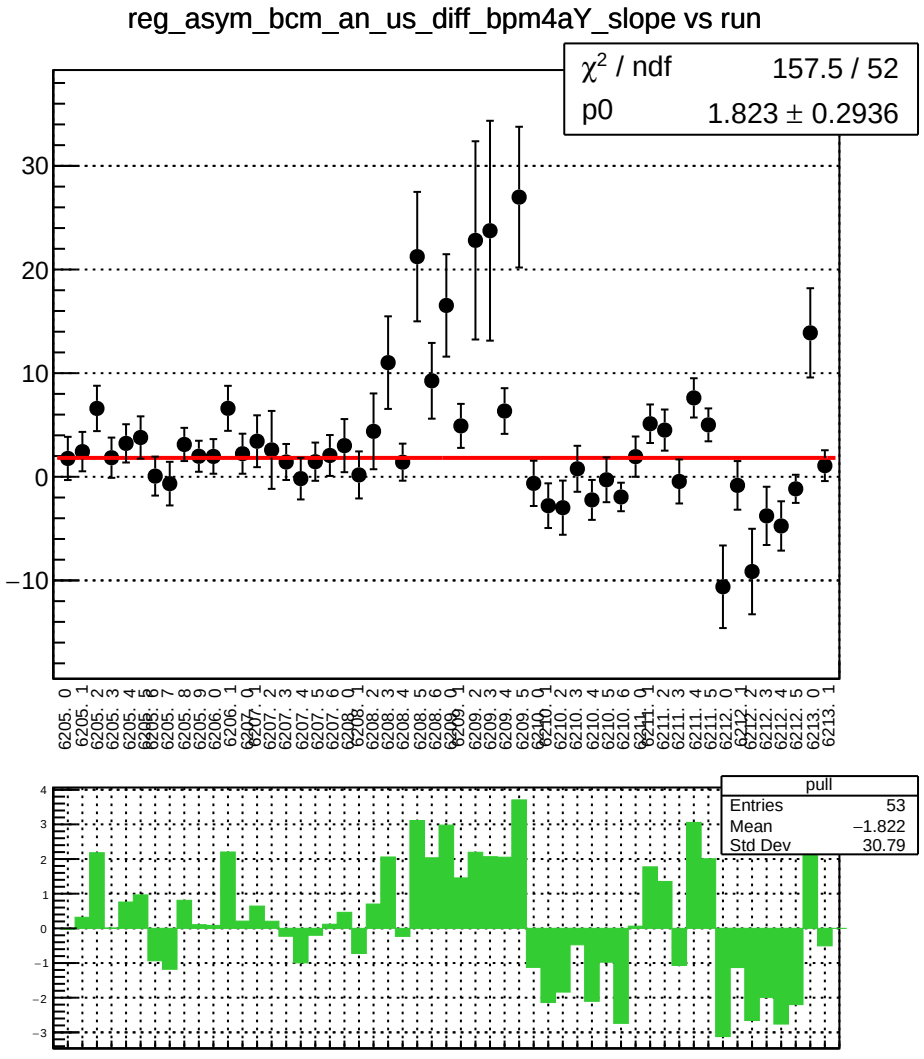

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 95.51 / 52
p0 −1.181 ± 0.5418
pull
Entries 53
Mean −7.659
Std Dev 37.75
pull1D
Entries 53
Mean 0.1155
Std Dev 1.337

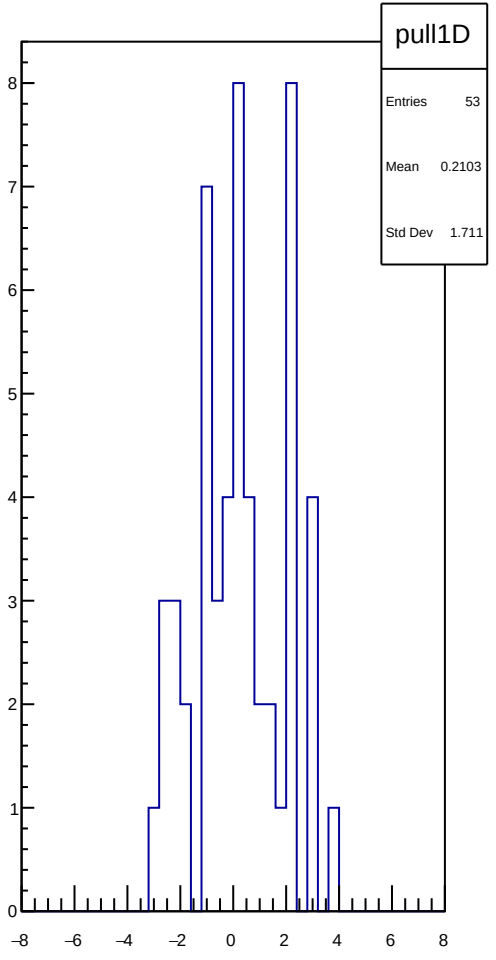

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 171.8 / 52
p0 −2.131 ± 0.3262
pull
Entries 53
Mean 0.2041
Std Dev 29.17
pull1D
Entries 53
Mean −0.2145
Std Dev 1.788

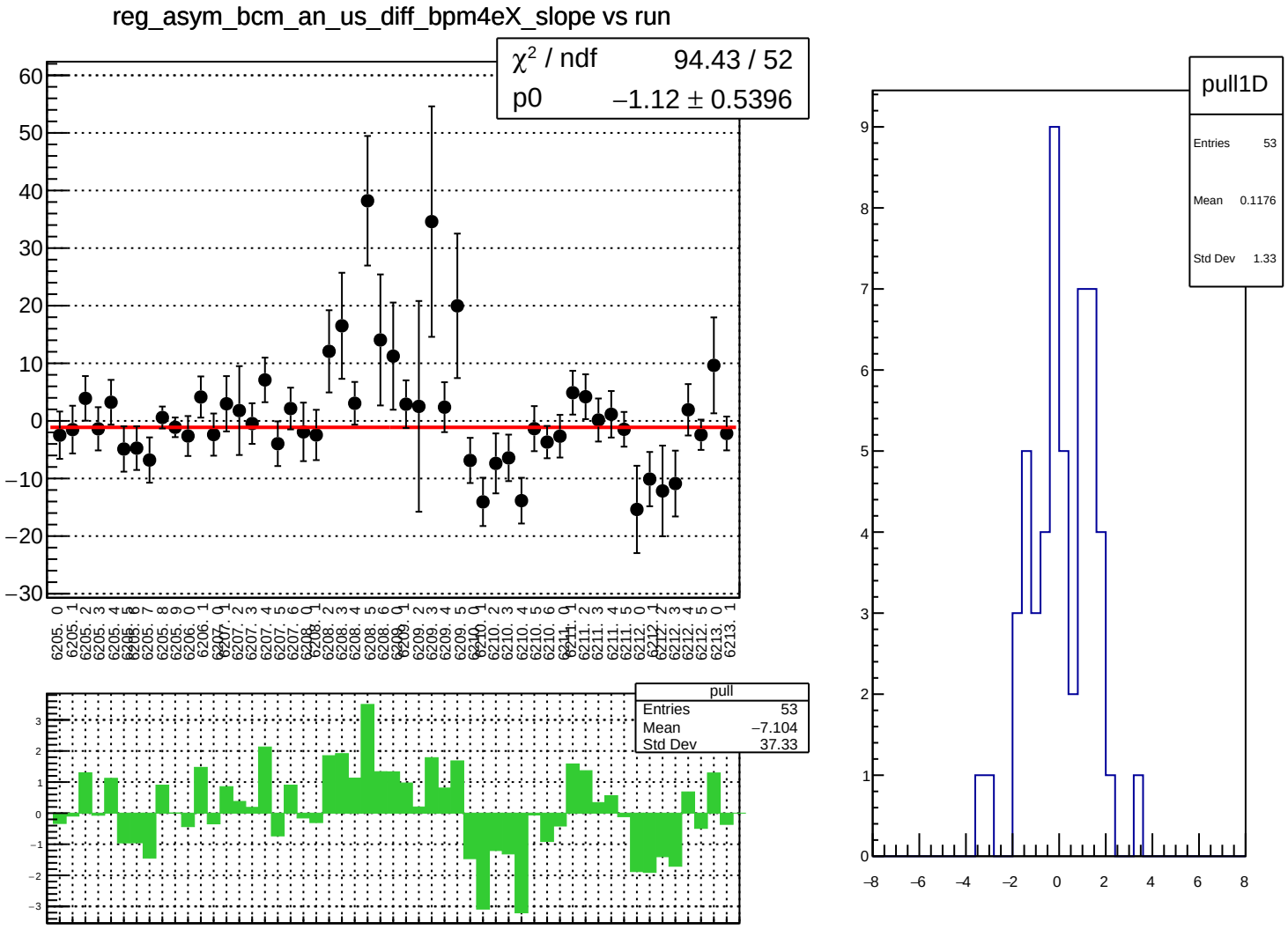

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 95.23 / 52
p0 0.01755 ± 0.02403
pull
Entries 53
Mean 51.13
Std Dev 22.45

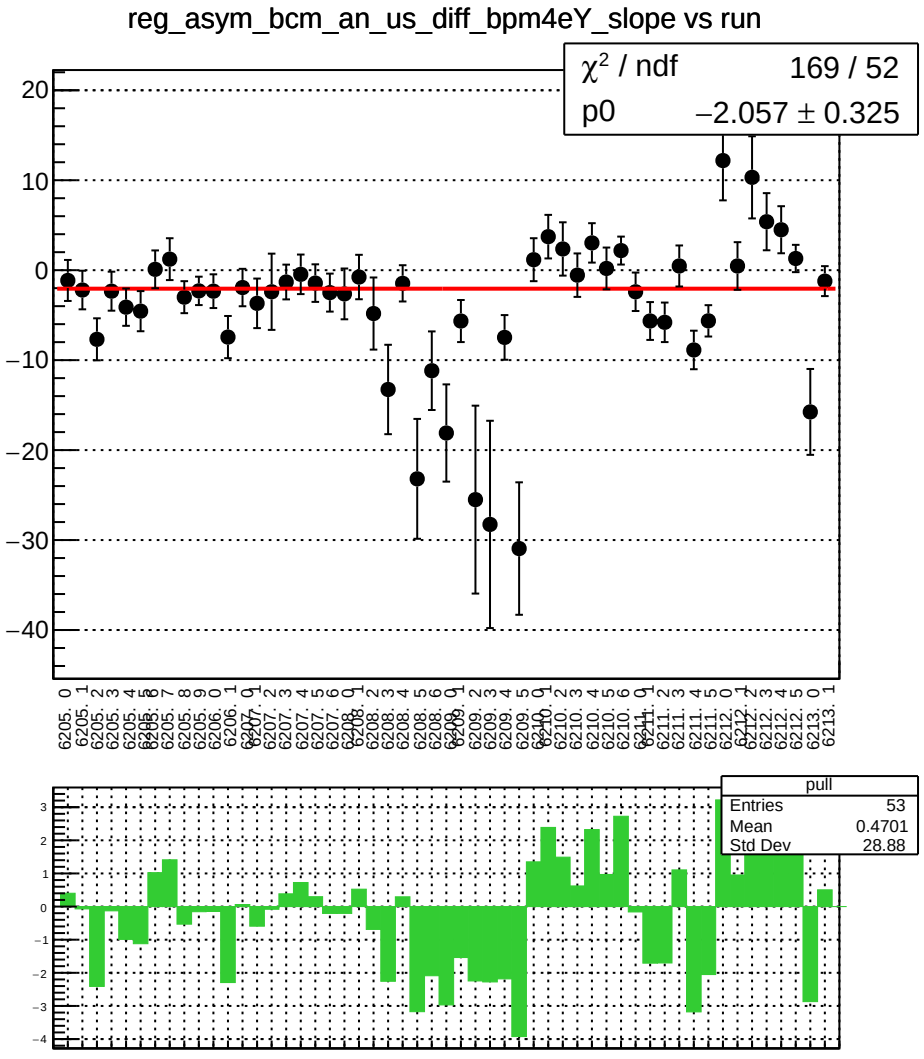

pull1D
Entries 53
Mean 0.1167
Std Dev 1.335

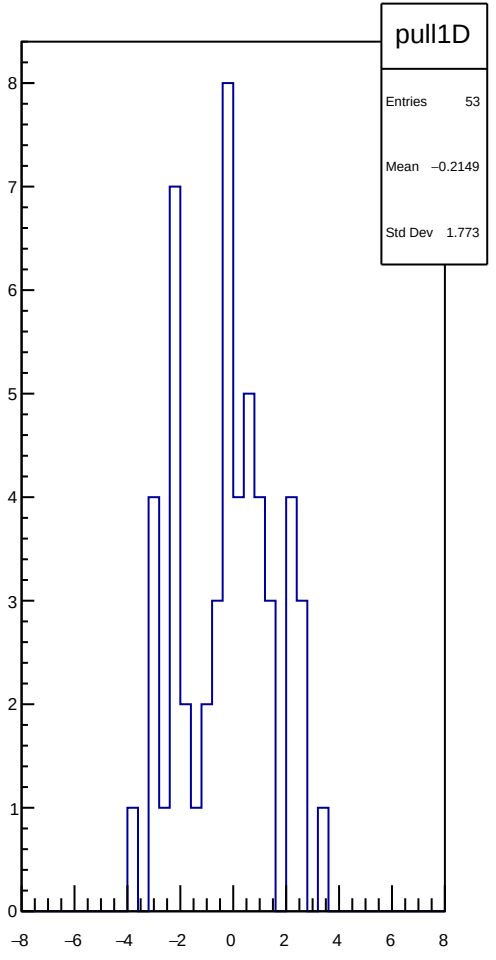

reg_asym_bcm_an_us_diff_bpm4aX_slope vs run
χ² / ndf 92.75 / 52
p0 1.097 ± 0.4909
pull
Entries 53
Mean −6.392
Std Dev 36.55
pull1D
Entries 53
Mean −0.1124
Std Dev 1.318

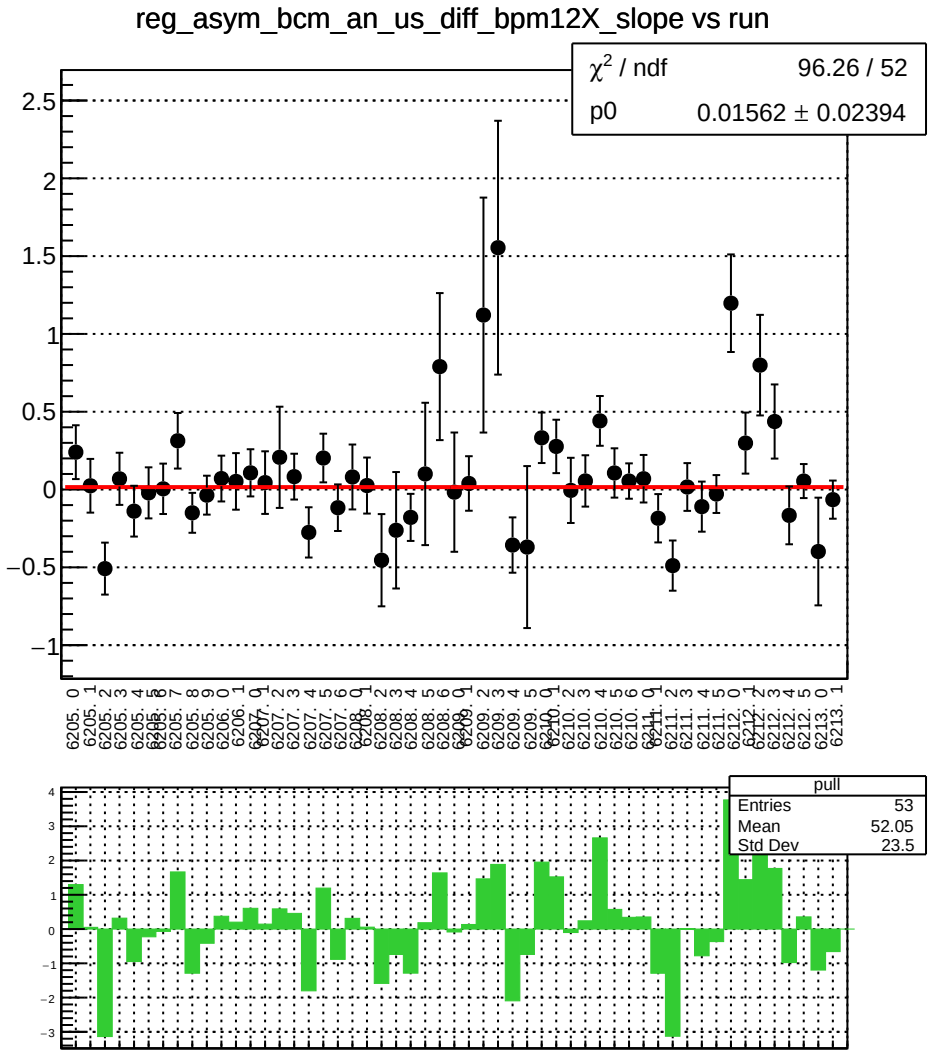

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 157.5 / 52
p0 1.823 ± 0.2936
pull
Entries 53
Mean −1.822
Std Dev 30.79

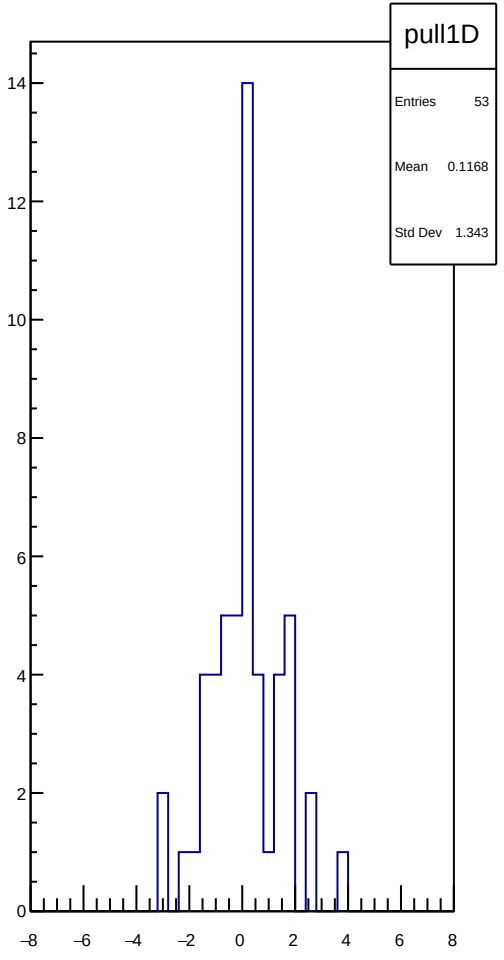

pull1D
Entries 53
Mean 0.2103
Std Dev 1.711

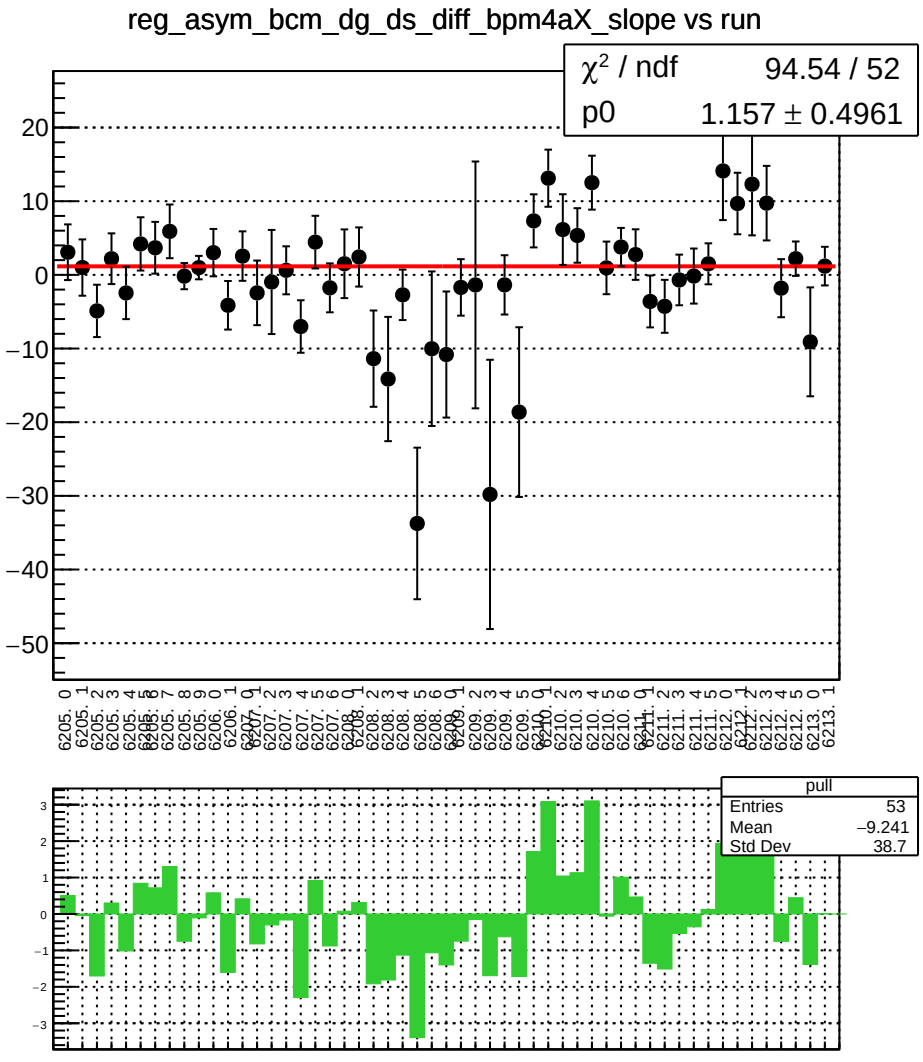

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 94.43 / 52
p0 −1.12 ± 0.5396
pull
Entries 53
Mean −7.104
Std Dev 37.33
pull1D
Entries 53
Mean 0.1176
Std Dev 1.33

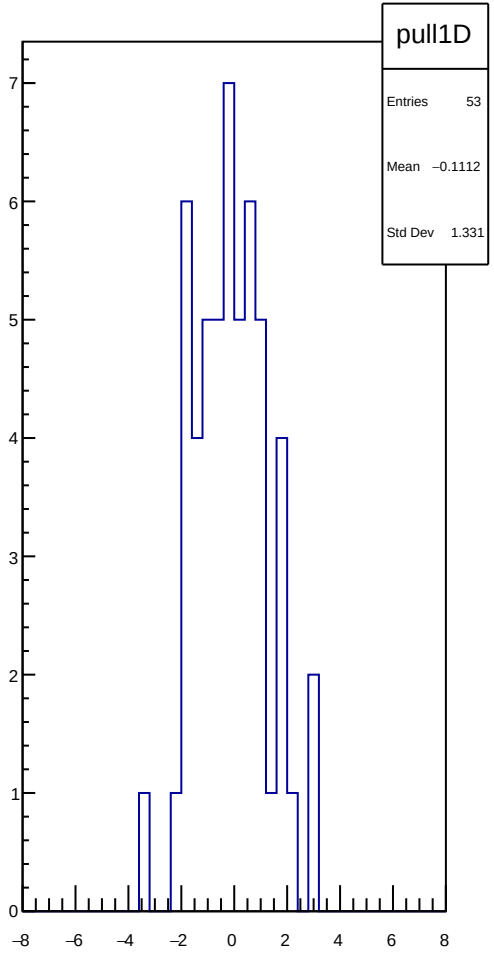

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 169 / 52
p0 −2.057 ± 0.325
pull
Entries 53
Mean 0.4701
Std Dev 28.88

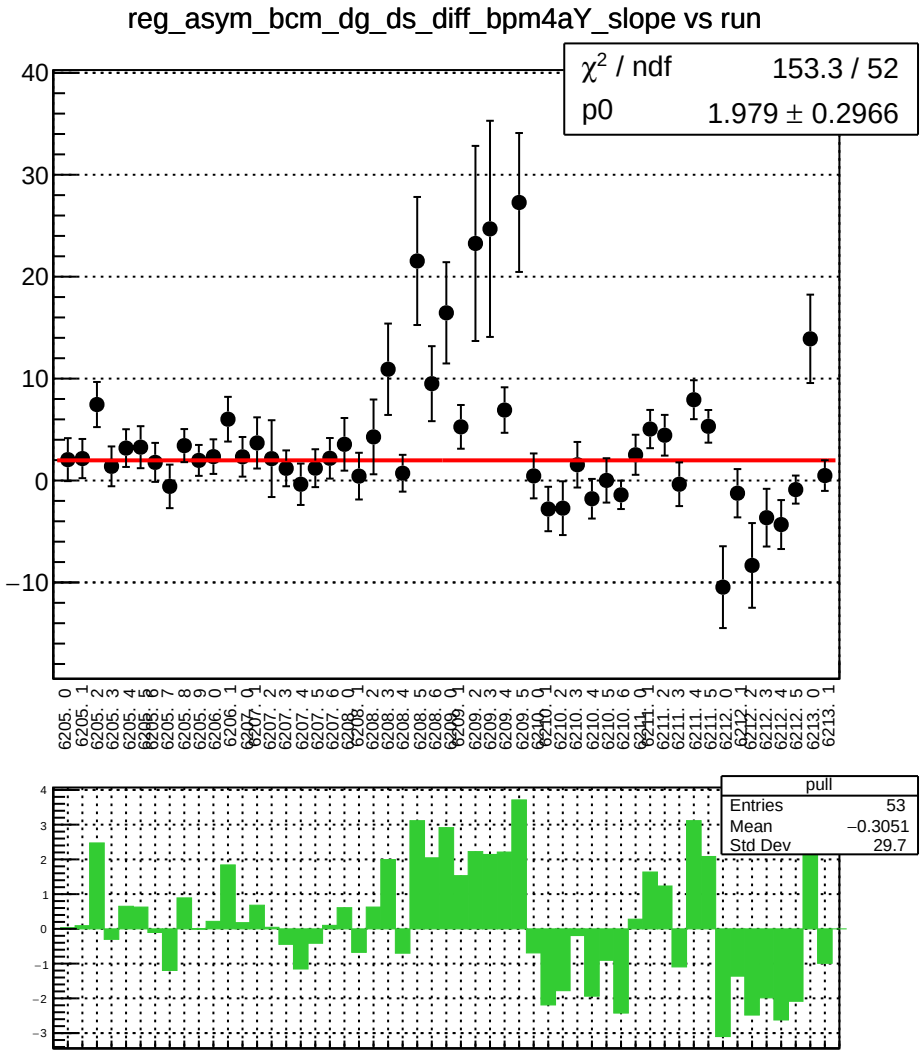

pull1D
Entries 53
Mean −0.2149
Std Dev 1.773

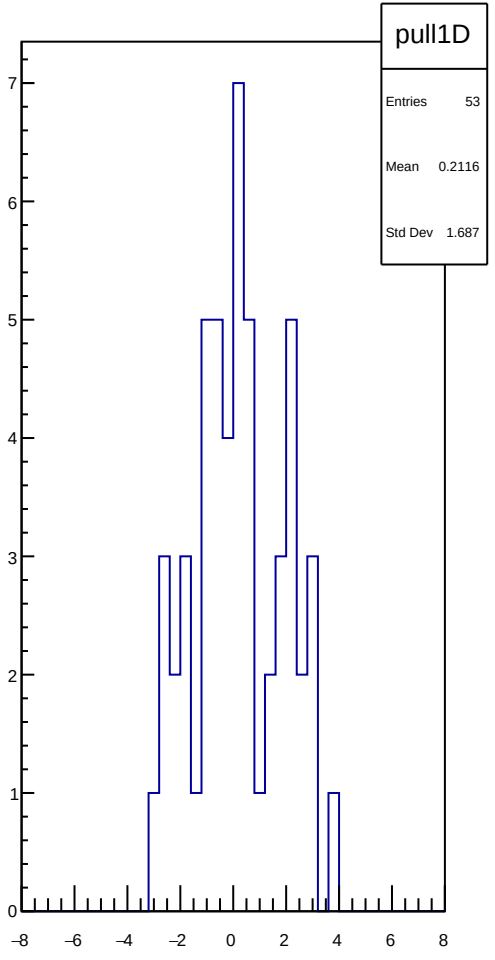

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 96.26 / 52
p0 0.01562 ± 0.02394
pull
Entries 53
Mean 52.05
Std Dev 23.5

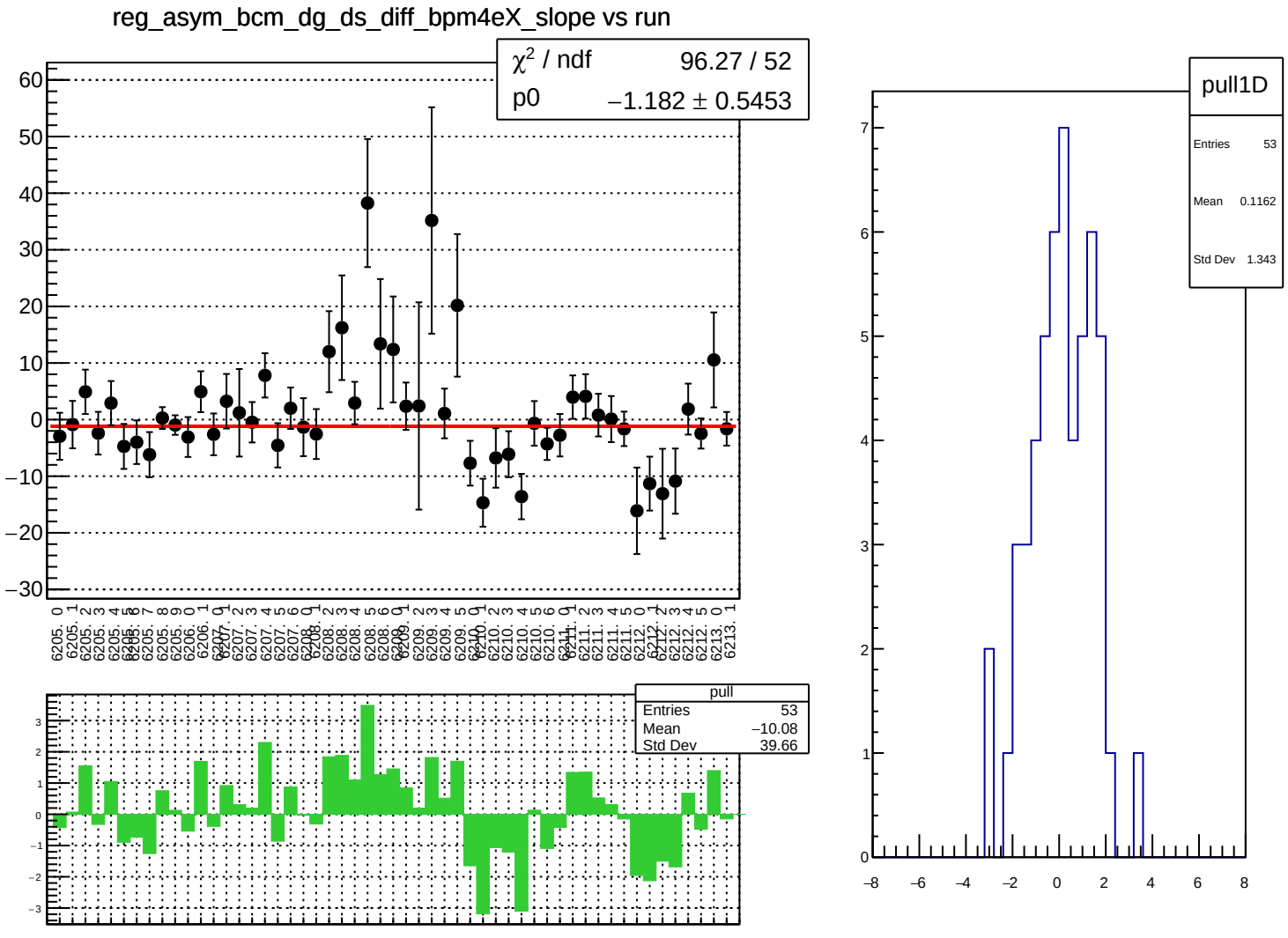

pull1D
Entries 53
Mean 0.1168
Std Dev 1.343

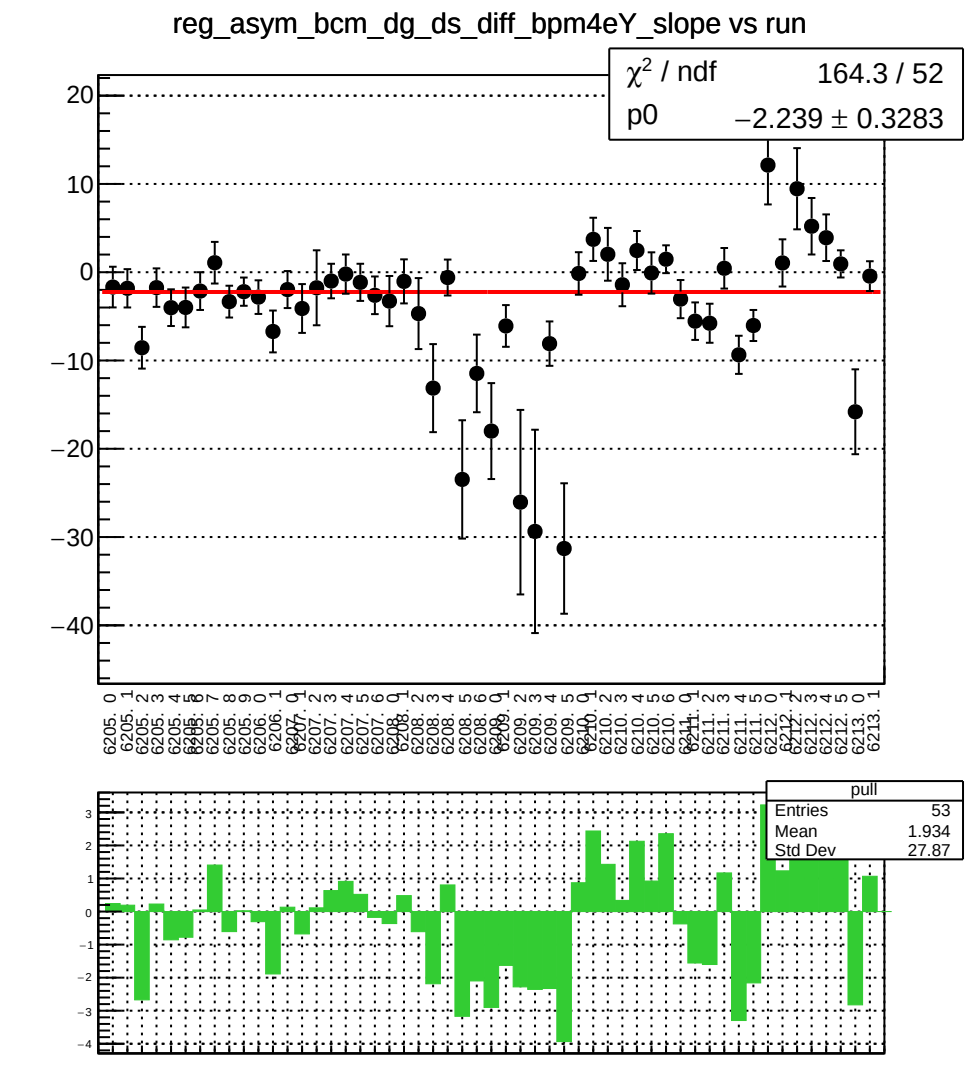

reg_asym_bcm_dg_ds_diff_bpm4aX_slope vs run
χ² / ndf 94.54 / 52
p0 1.157 ± 0.4961
pull
Entries 53
Mean −9.241
Std Dev 38.7

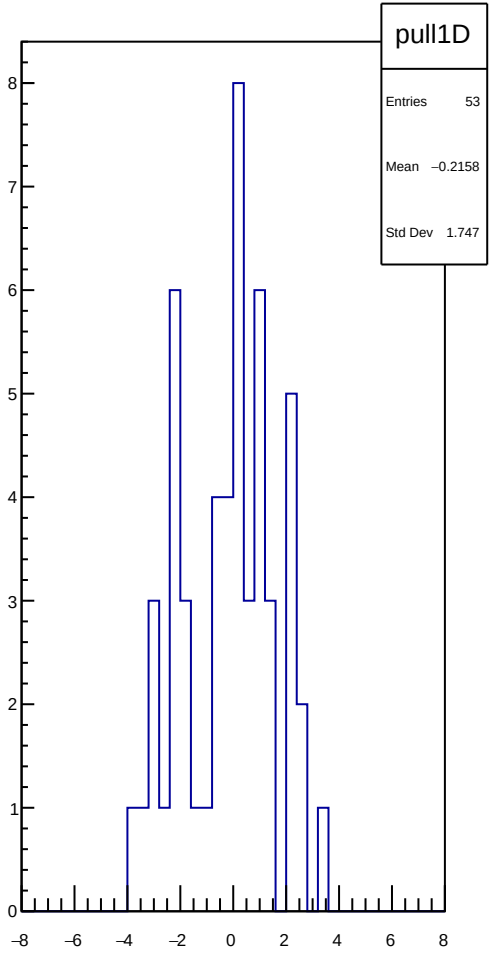

pull1D
Entries 53
Mean −0.1112
Std Dev 1.331

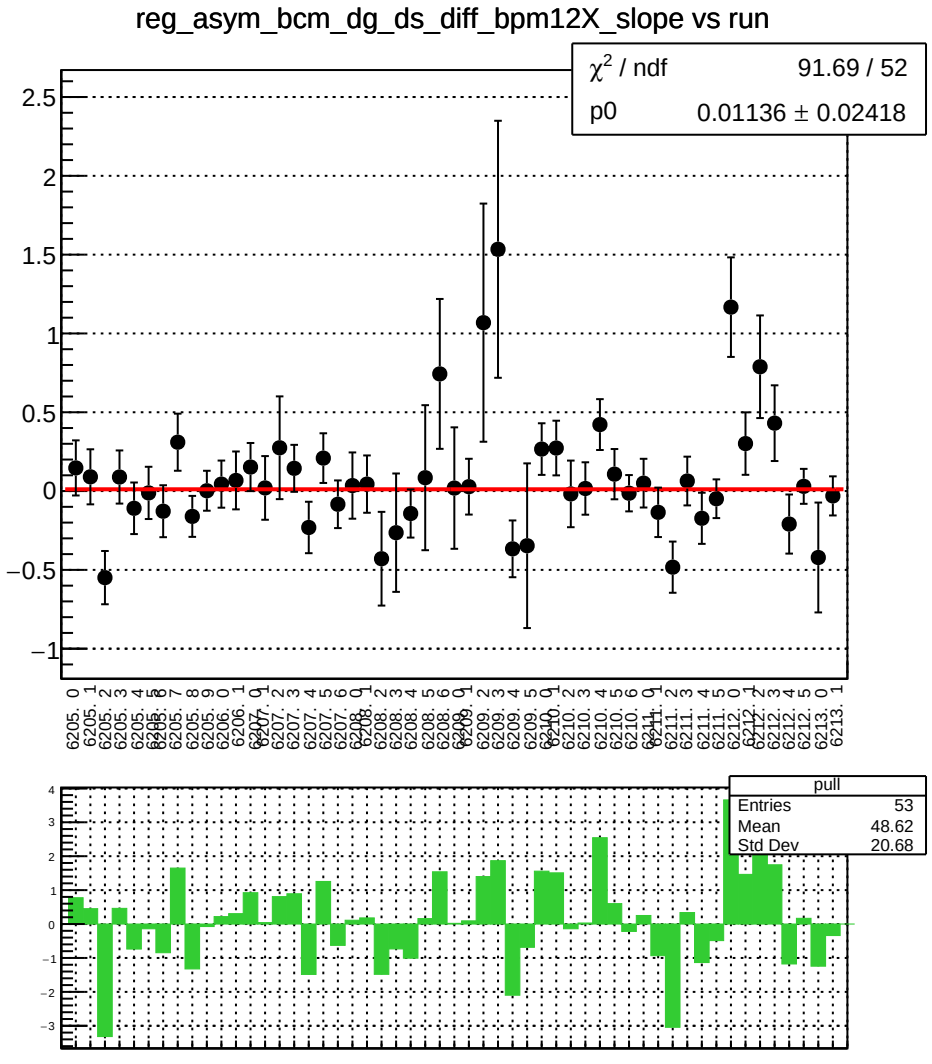

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 153.3 / 52
p0 1.979 ± 0.2966
pull
Entries 53
Mean −0.3051
Std Dev 29.7

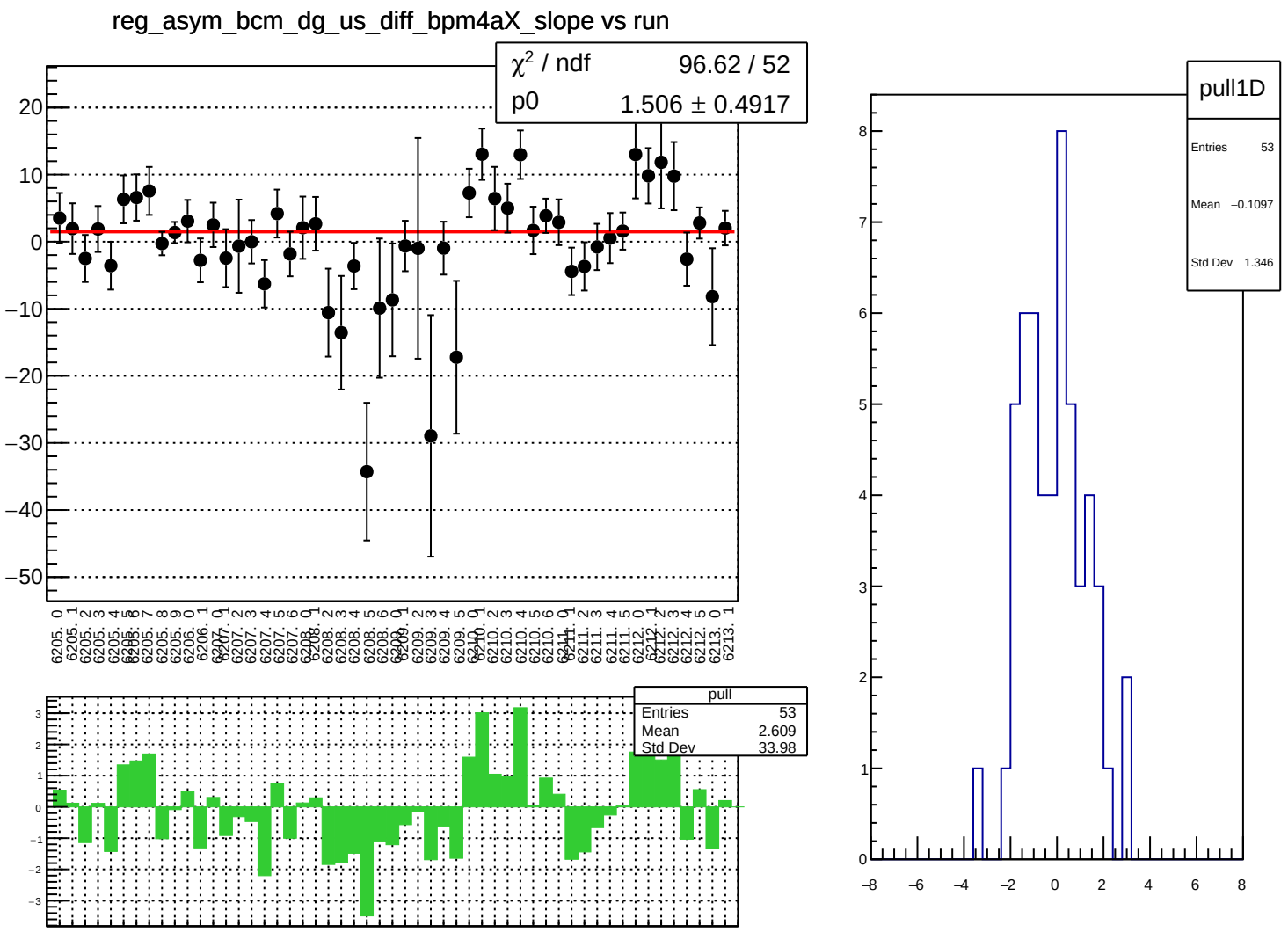

pull1D
Entries 53
Mean 0.2116
Std Dev 1.687

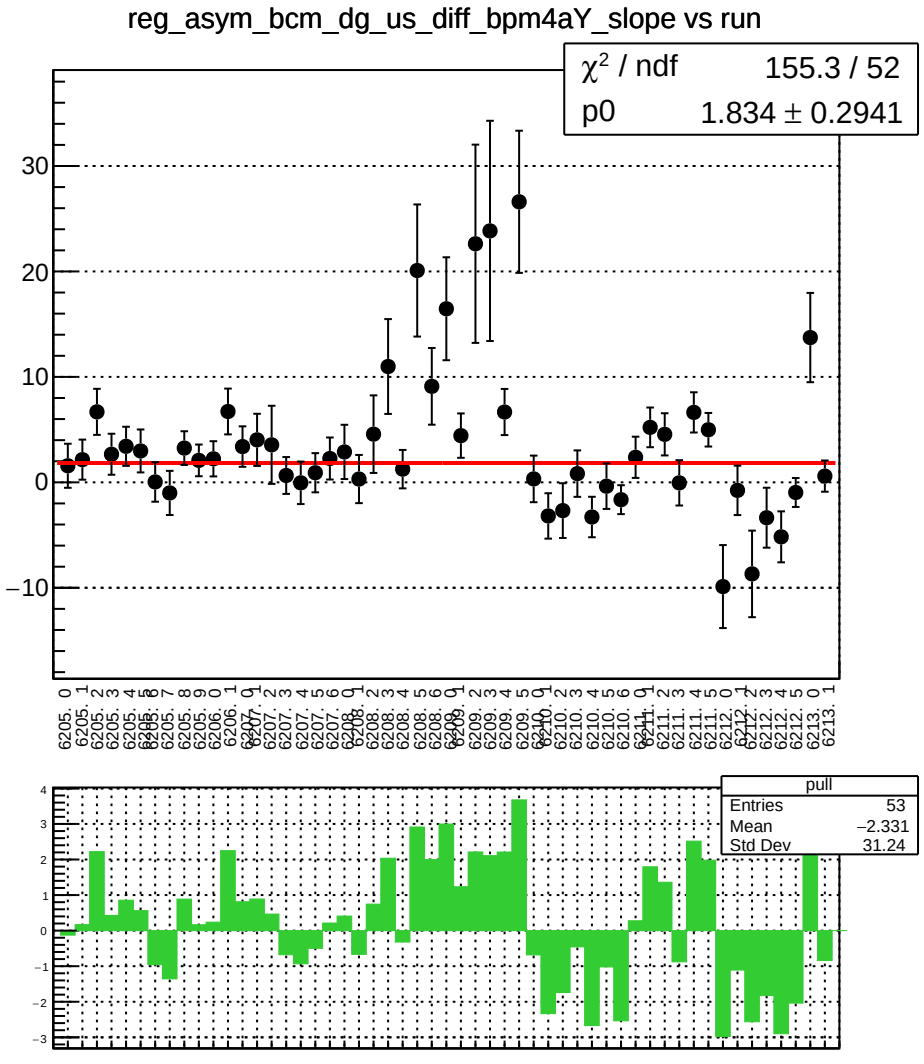

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 96.27 / 52
p0 −1.182 ± 0.5453
pull
Entries 53
Mean −10.08
Std Dev 39.66
pull1D
Entries 53
Mean 0.1162
Std Dev 1.343

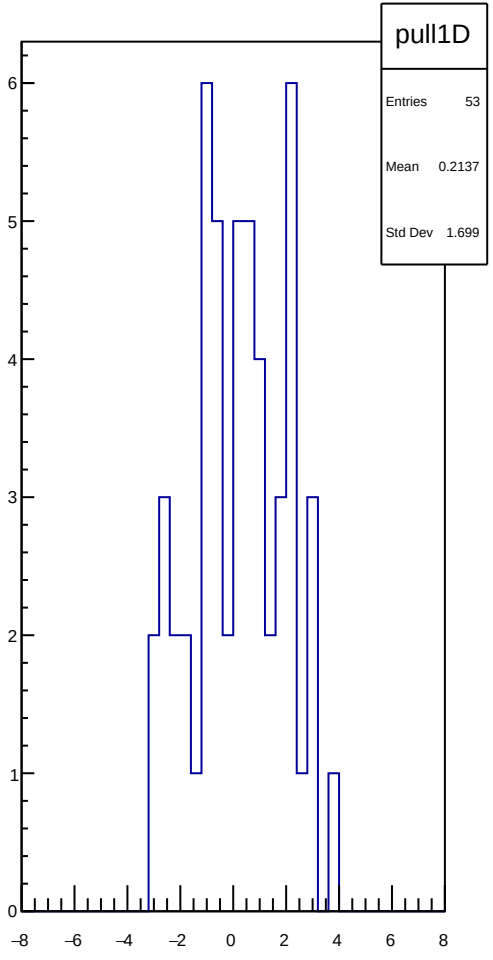

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 164.3 / 52
p0 −2.239 ± 0.3283
pull
Entries 53
Mean 1.934
Std Dev 27.87

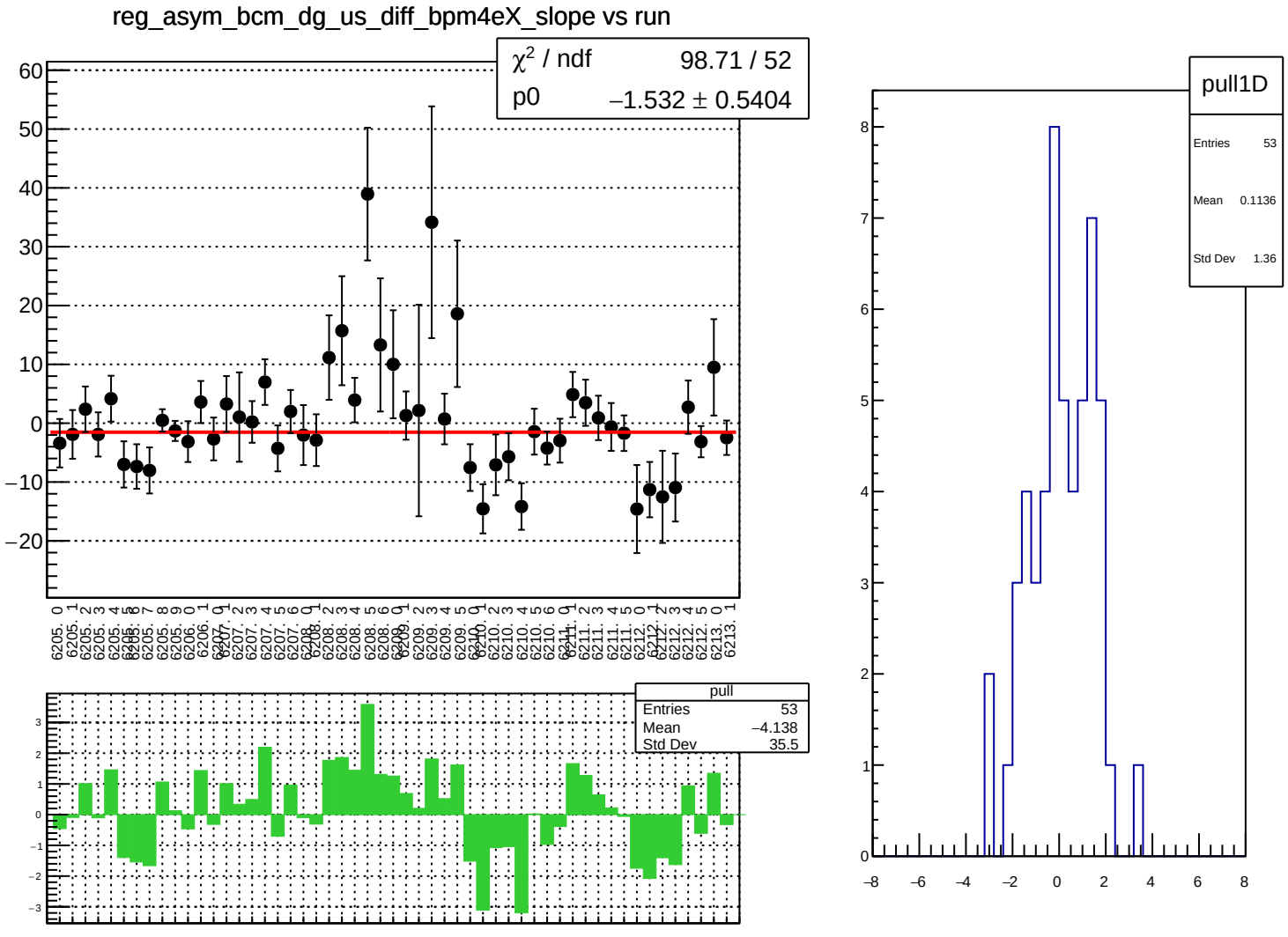

pull1D
Entries 53
Mean −0.2158
Std Dev 1.747

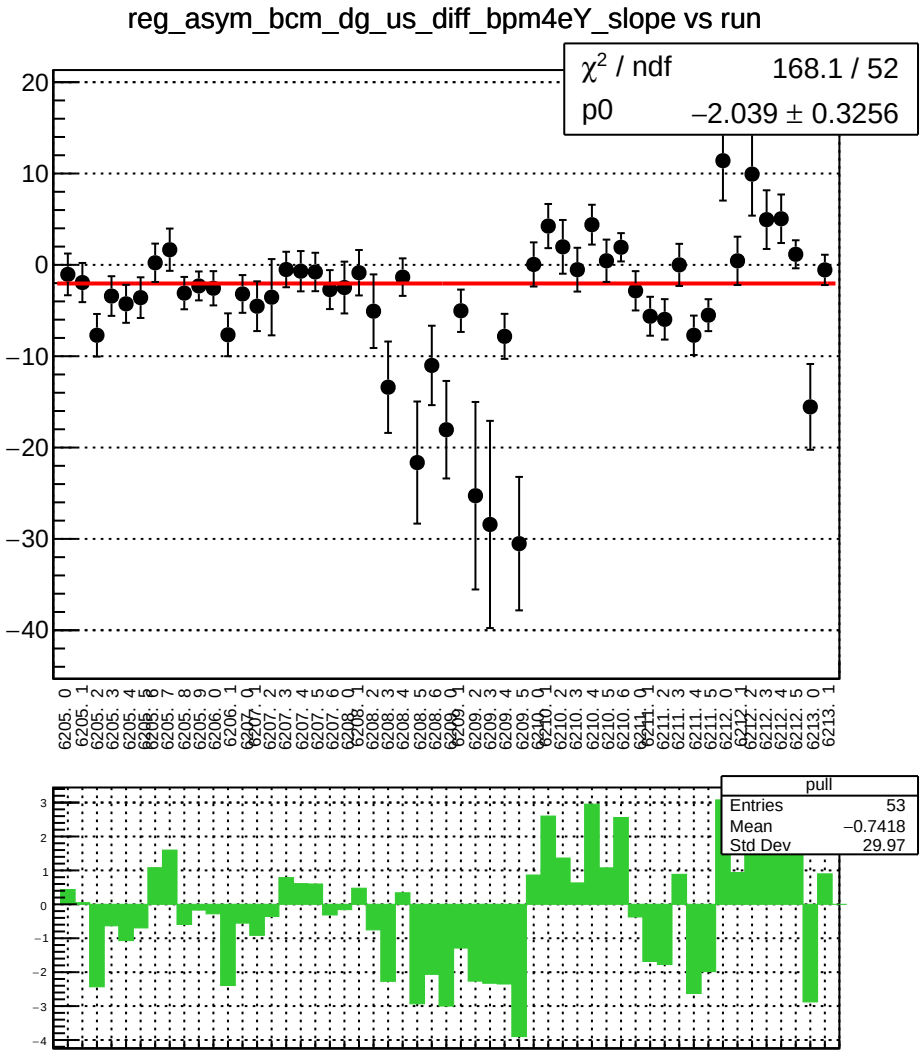

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 91.69 / 52
p0 0.01136 ± 0.02418
pull
Entries 53
Mean 48.62
Std Dev 20.68
pull1D
Entries 53
Mean 0.116
Std Dev 1.31

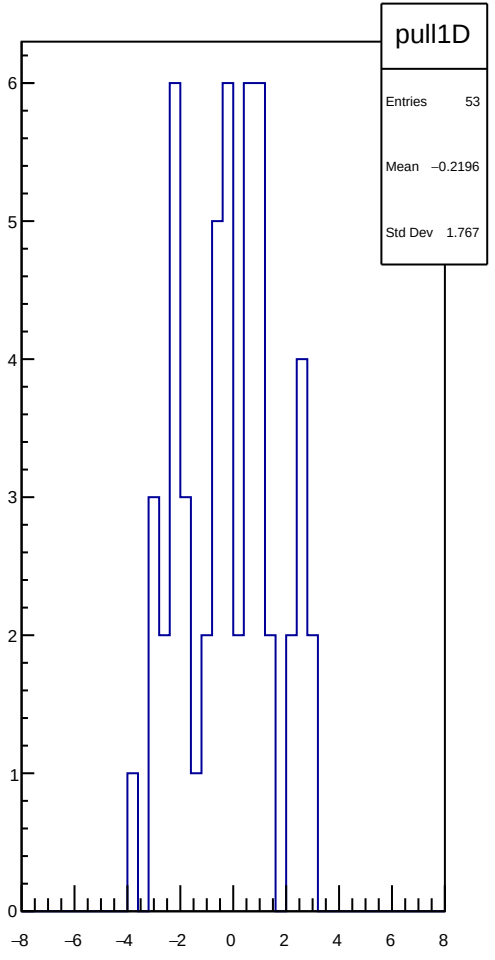

reg_asym_bcm_dg_us_diff_bpm4aX_slope vs run
χ² / ndf 96.62 / 52
p0 1.506 ± 0.4917
pull
Entries 53
Mean −2.609
Std Dev 33.98
pull1D
Entries 53
Mean −0.1097
Std Dev 1.346

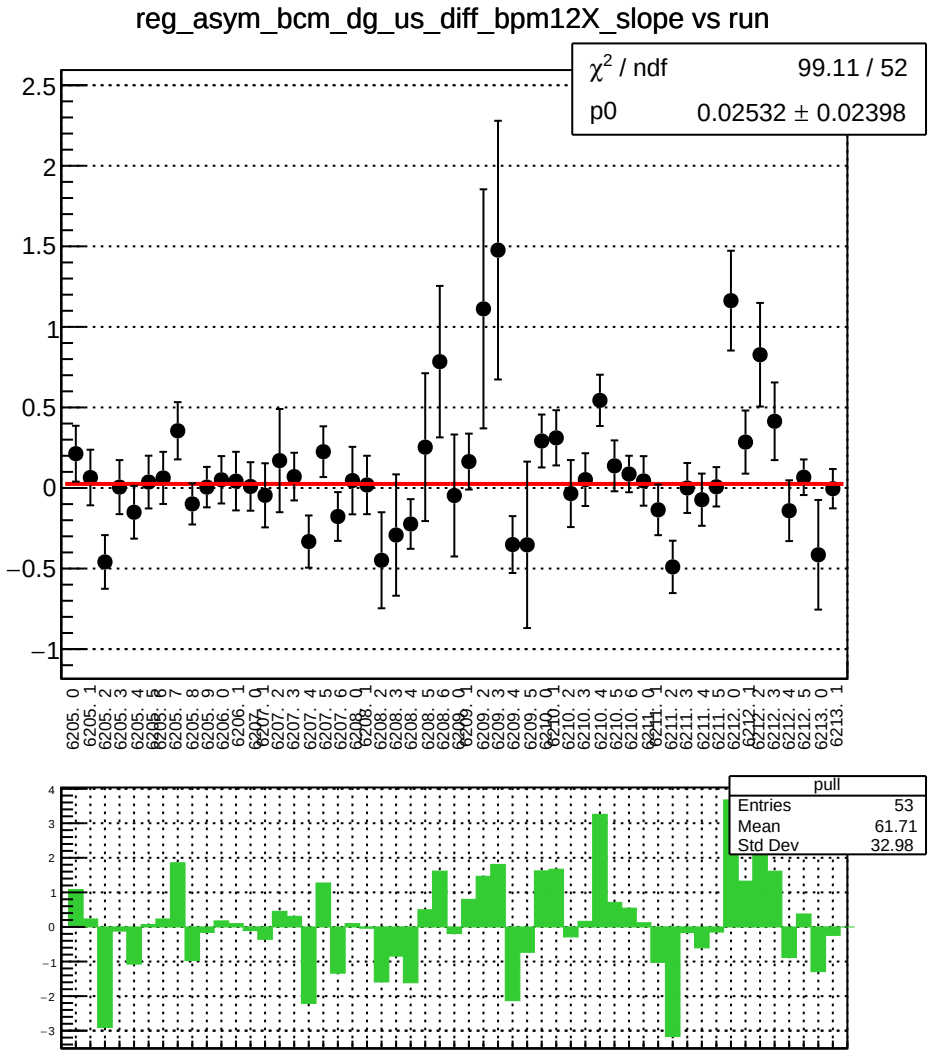

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 155.3 / 52
p0 1.834 ± 0.2941
pull
Entries 53
Mean −2.331
Std Dev 31.24

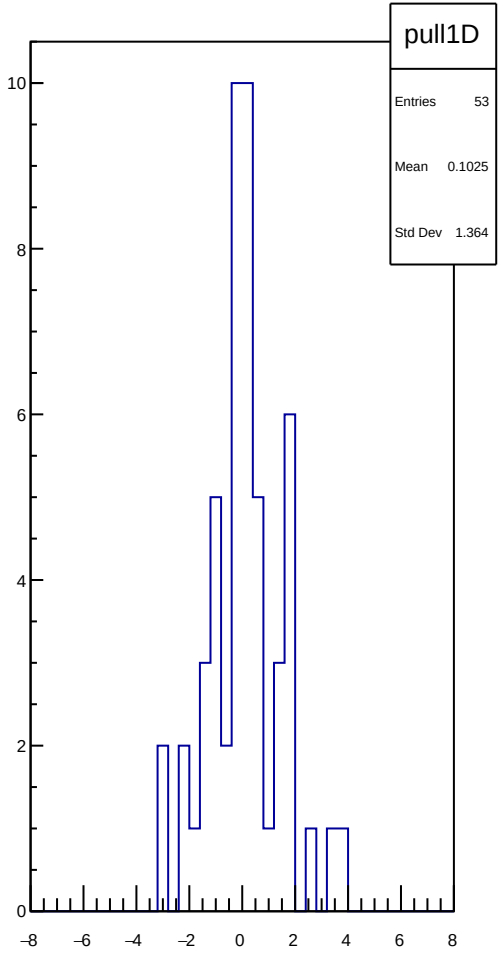

pull1D
Entries 53
Mean 0.2137
Std Dev 1.699


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 98.71 / 52
p0 −1.532 ± 0.5404
pull
Entries 53
Mean −4.138
Std Dev 35.5
pull1D
Entries 53
Mean 0.1136
Std Dev 1.36


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 168.1 / 52
p0 −2.039 ± 0.3256
pull
Entries 53
Mean −0.7418
Std Dev 29.97


pull1D
Entries 53
Mean −0.2196
Std Dev 1.767


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 99.11 / 52
p0 0.02532 ± 0.02398
pull
Entries 53
Mean 61.71
Std Dev 32.98


pull1D
Entries 53
Mean 0.1025
Std Dev 1.364