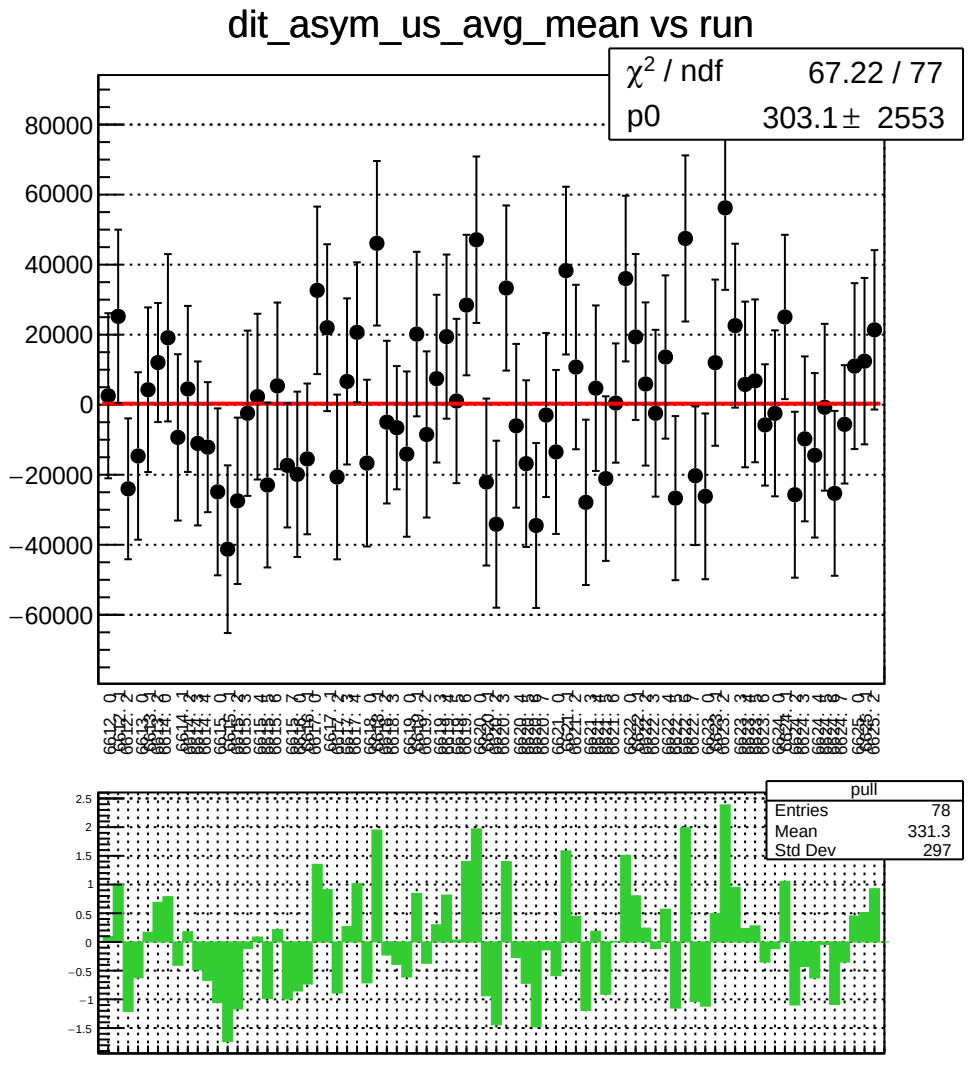
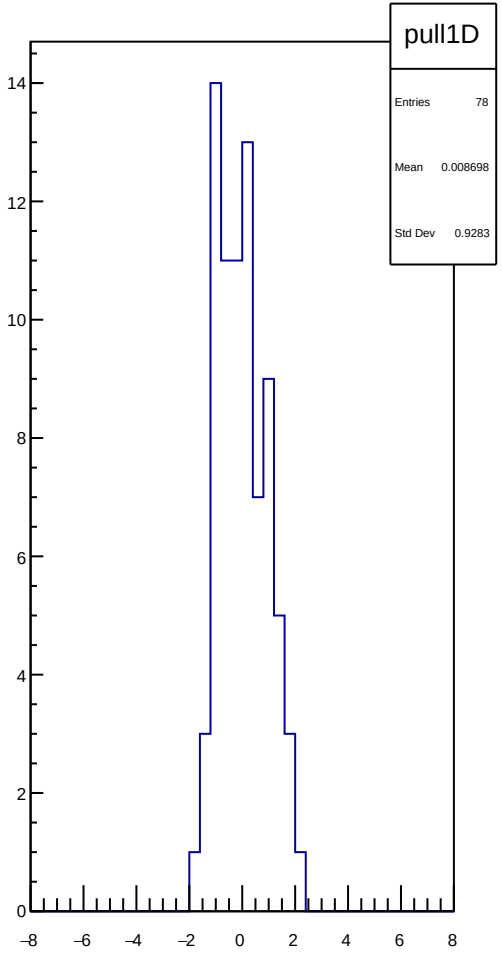
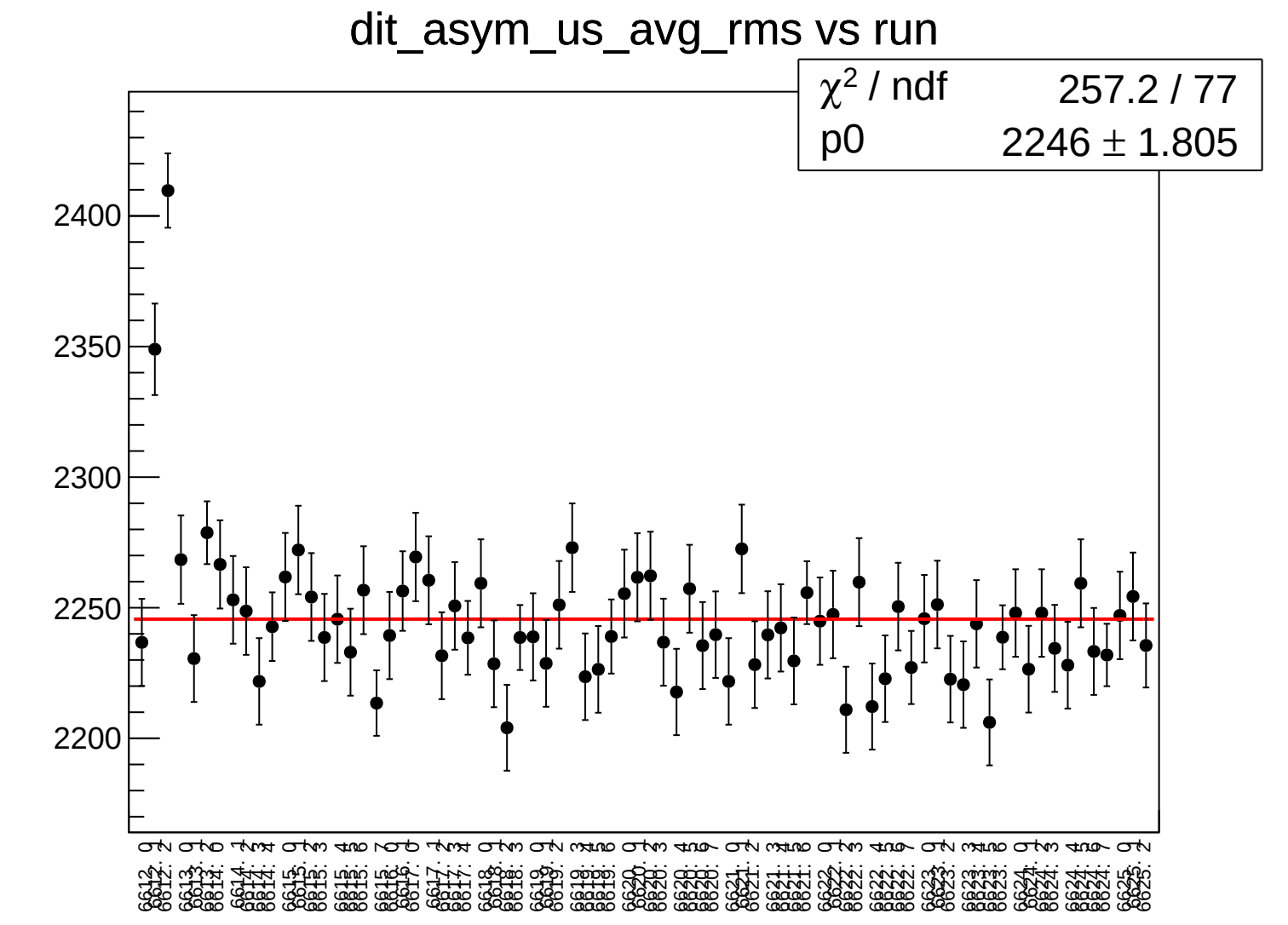
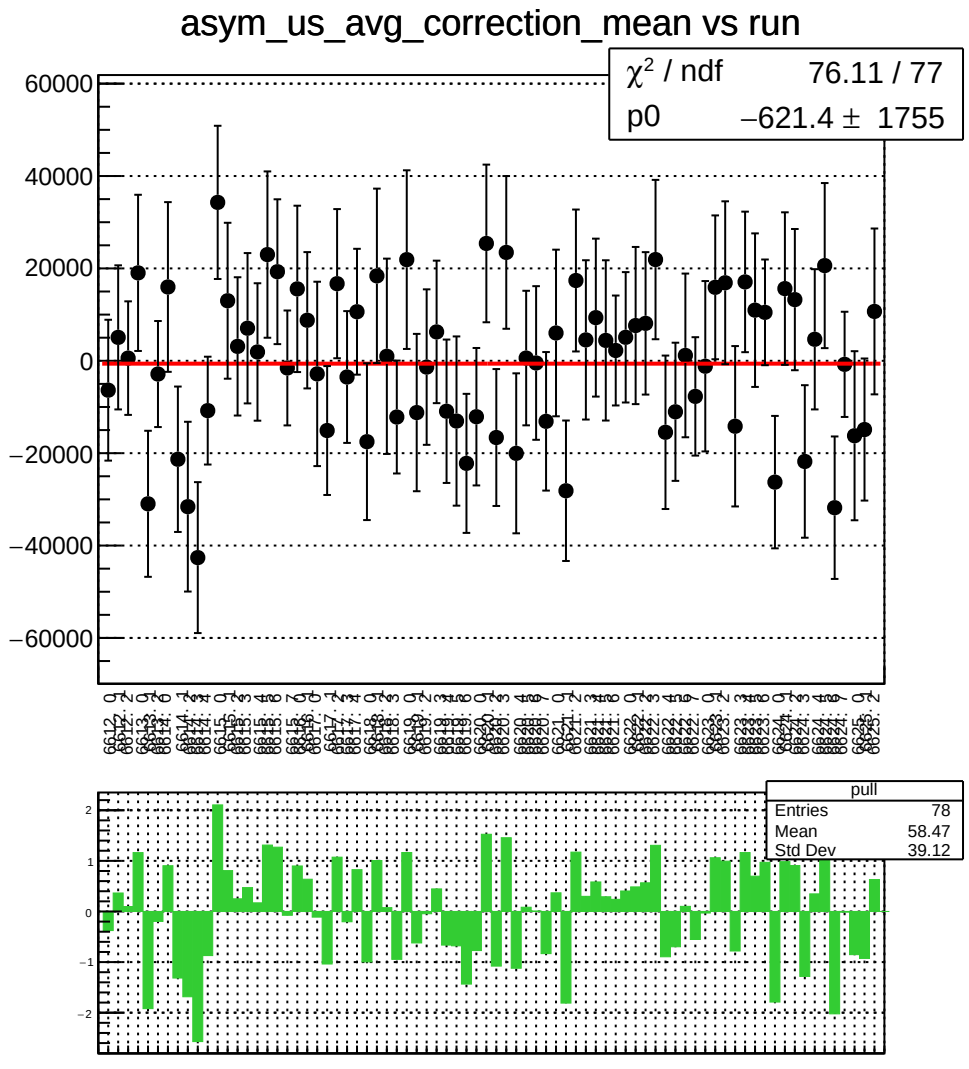
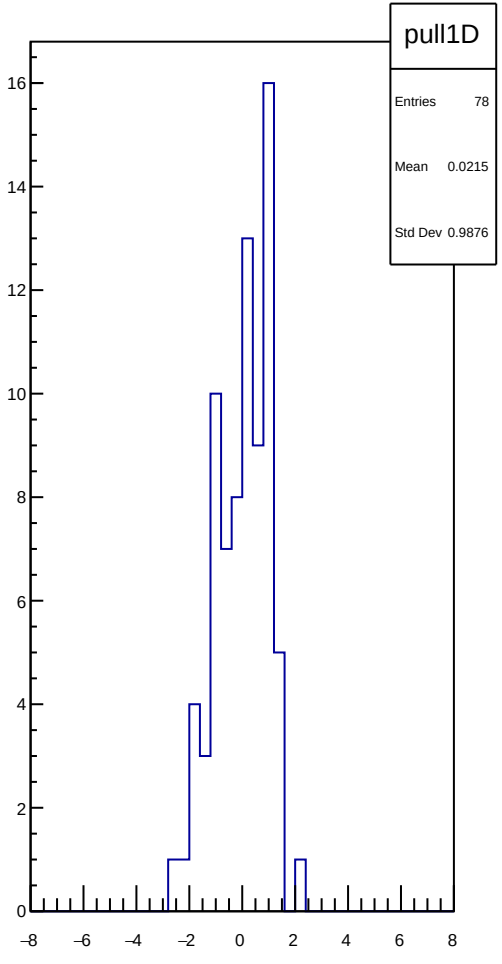
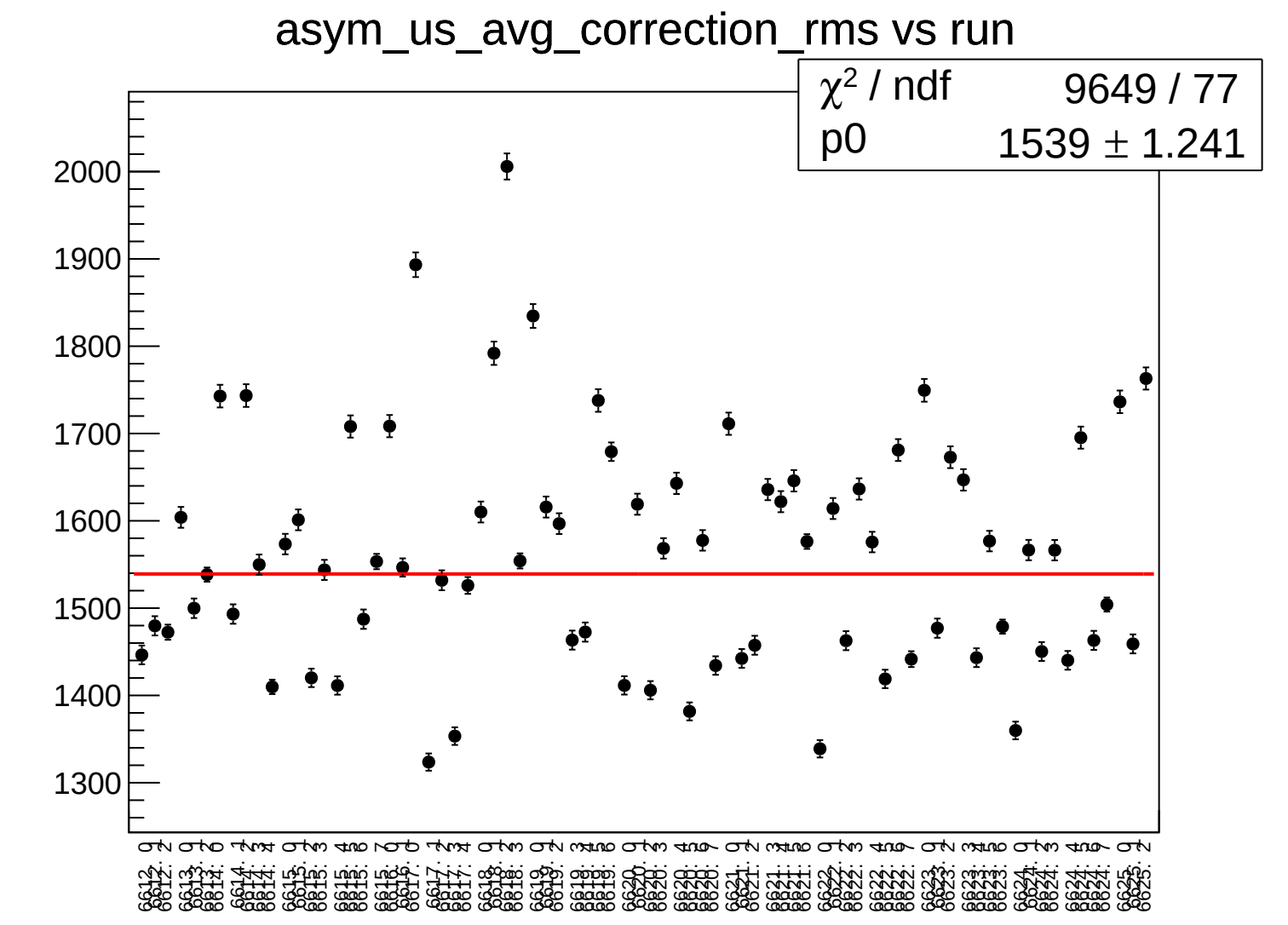

dit_asym_us_avg_mean vs run
χ² / ndf 67.22 / 77
p0 303.1 ± 2553
pull
Entries 78
Mean 331.3
Std Dev 297

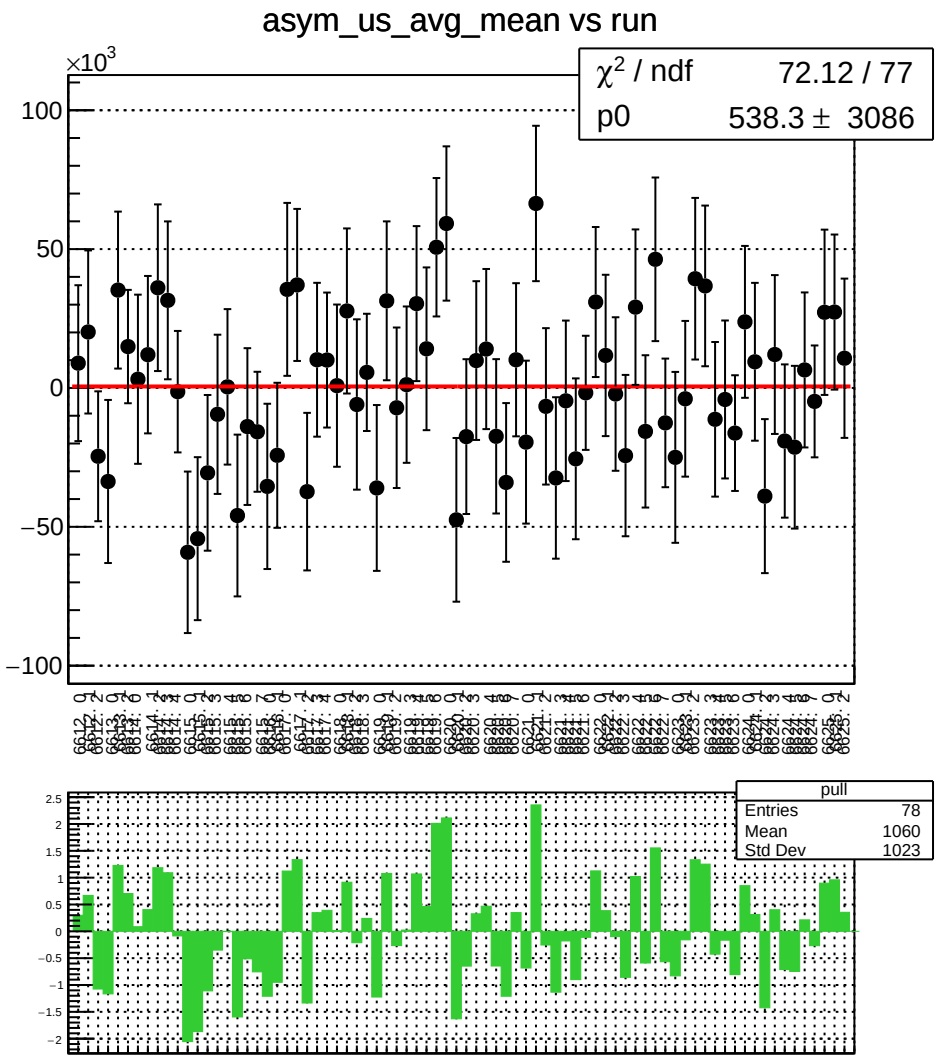

pull1D
Entries 78
Mean 0.008698
Std Dev 0.9283

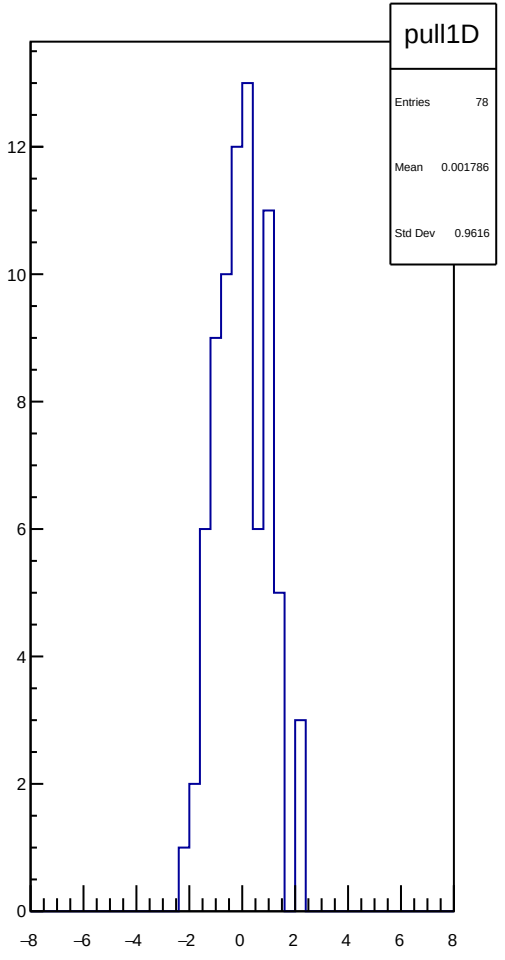

dit_asym_us_avg_rms vs run
χ² / ndf 257.2 / 77
p0 2246 ± 1.805
2400
2350
2300
2250
2200

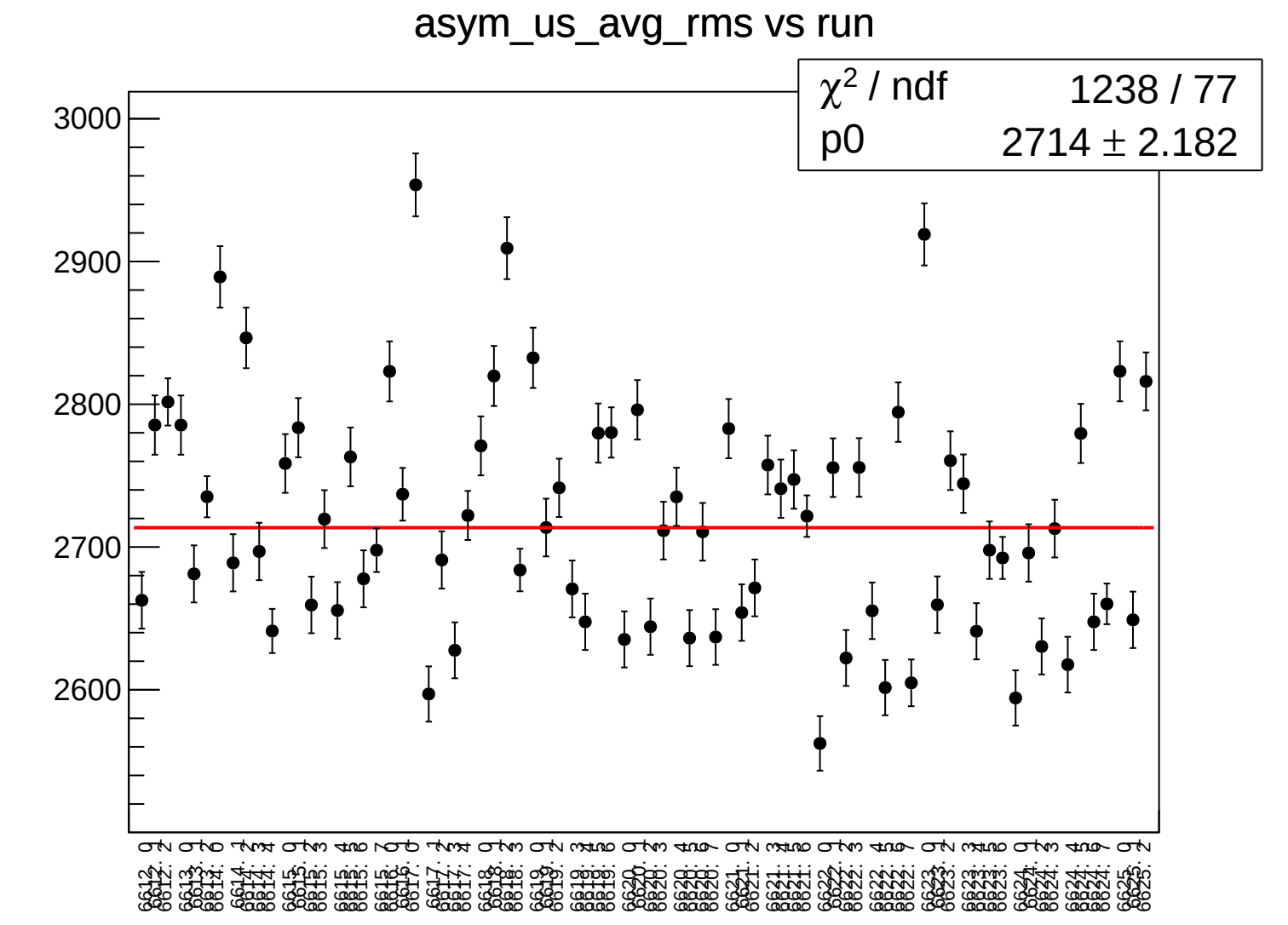

asym_us_avg_correction_mean vs run
χ² / ndf 76.11 / 77
p0 −621.4 ± 1755
pull
Entries 78
Mean 58.47
Std Dev 39.12

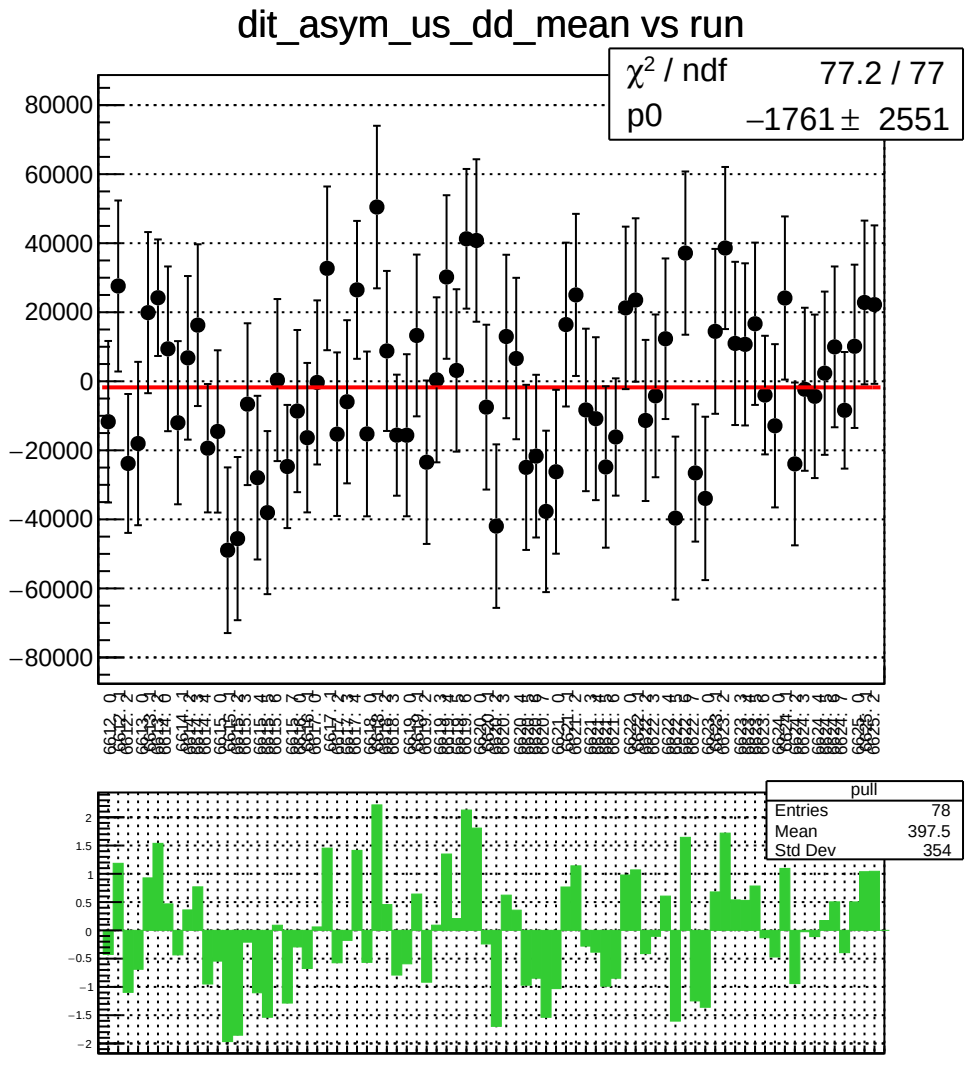

pull1D
Entries 78
Mean 0.0215
Std Dev 0.9876

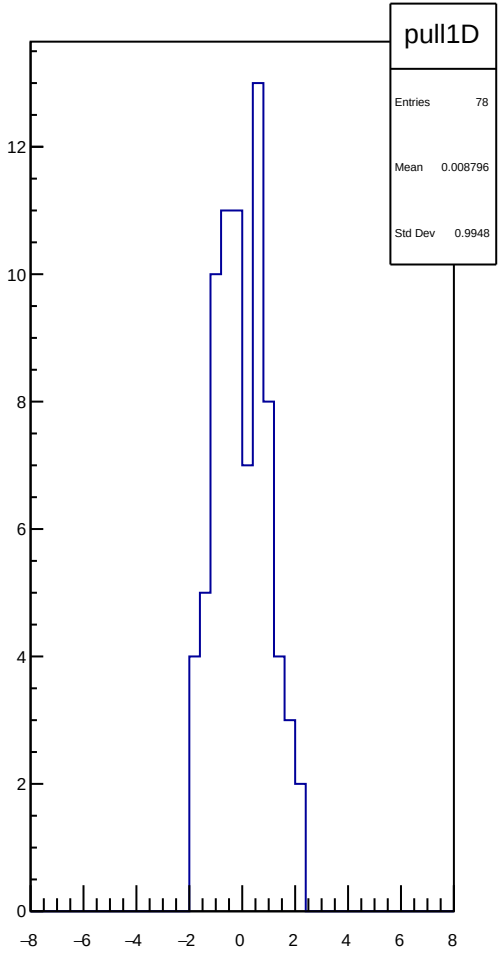

asym_us_avg_correction_rms vs run
χ² / ndf 9649 / 77
p0 1539 ± 1.241
2000
1900
1800
1700
1600
1500
1400
1300

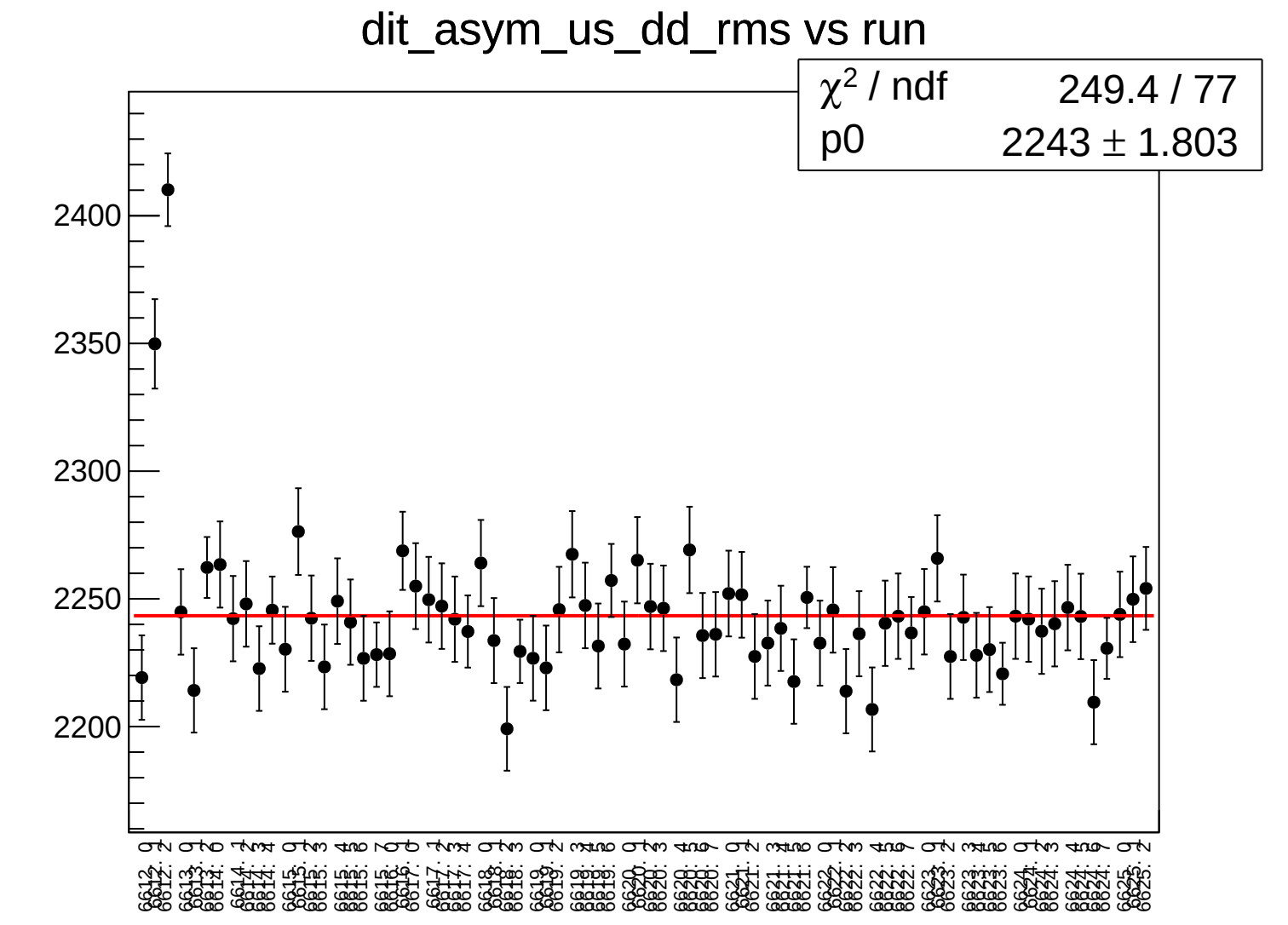

asym_us_avg_mean vs run
×10^3
χ² / ndf 72.12 / 77
p0 538.3 ± 3086
100
50
0
−50
−100
pull
Entries 78
Mean 1060
Std Dev 1023
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

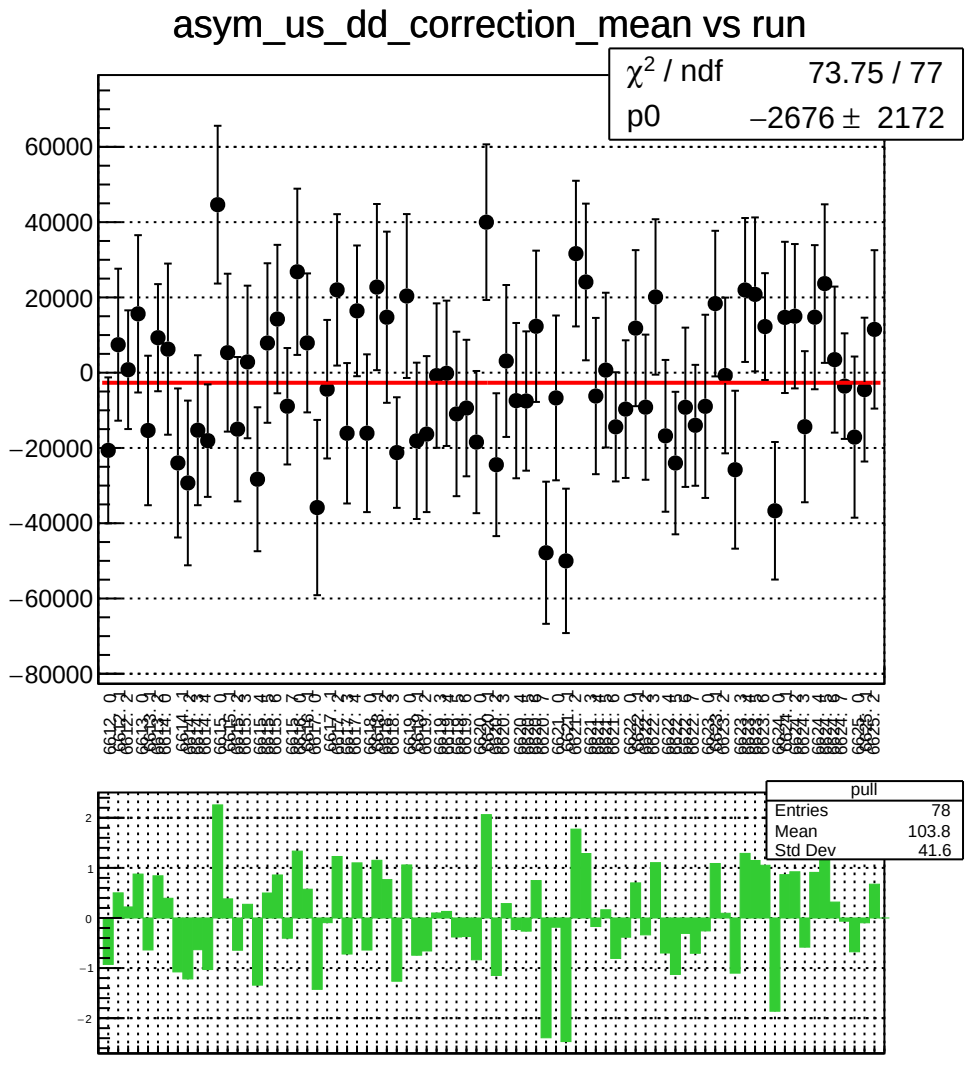

pull1D
Entries 78
Mean 0.001786
Std Dev 0.9616
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

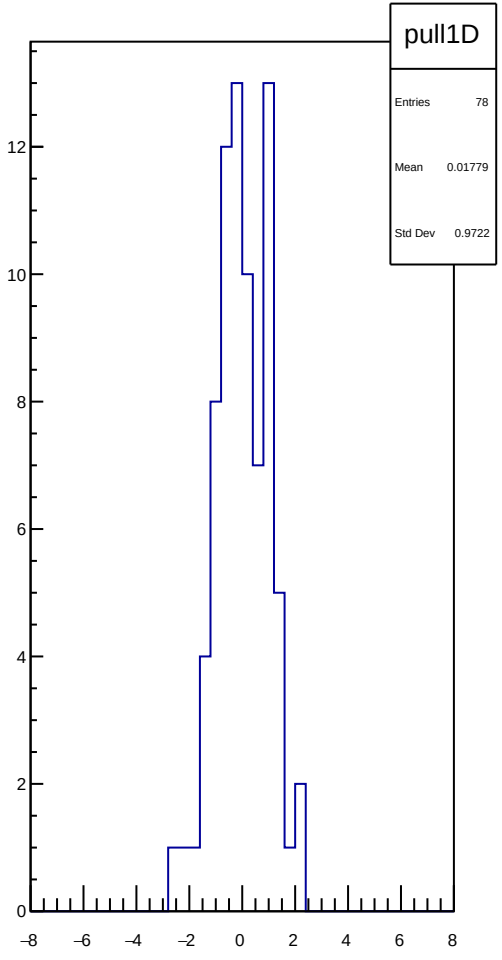

asym_us_avg_rms vs run
χ² / ndf 1238 / 77
p0 2714 ± 2.182
3000
2900
2800
2700
2600

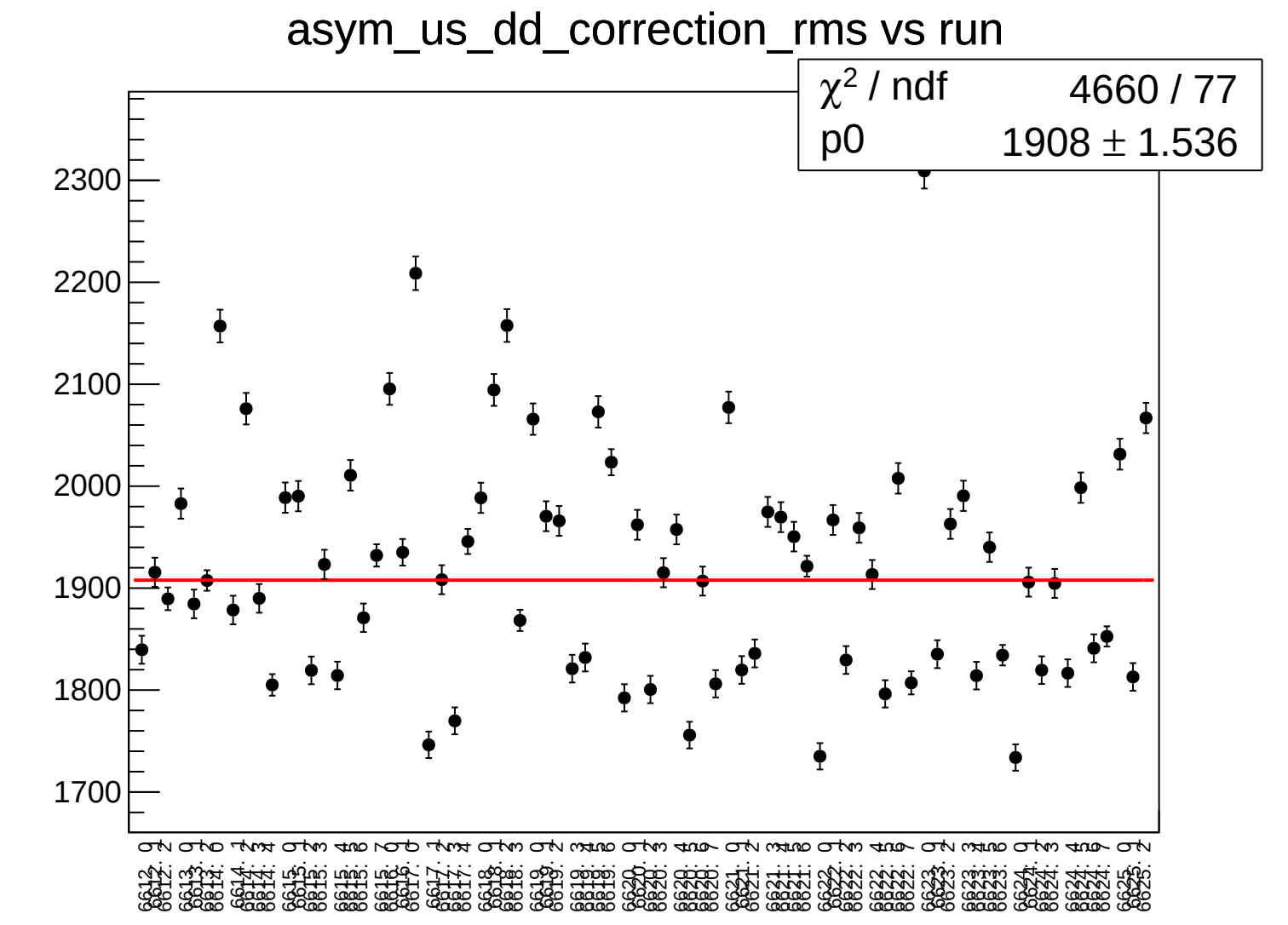

dit_asym_us_dd_mean vs run
χ² / ndf 77.2 / 77
p0 −1761 ± 2551
pull
Entries 78
Mean 397.5
Std Dev 354

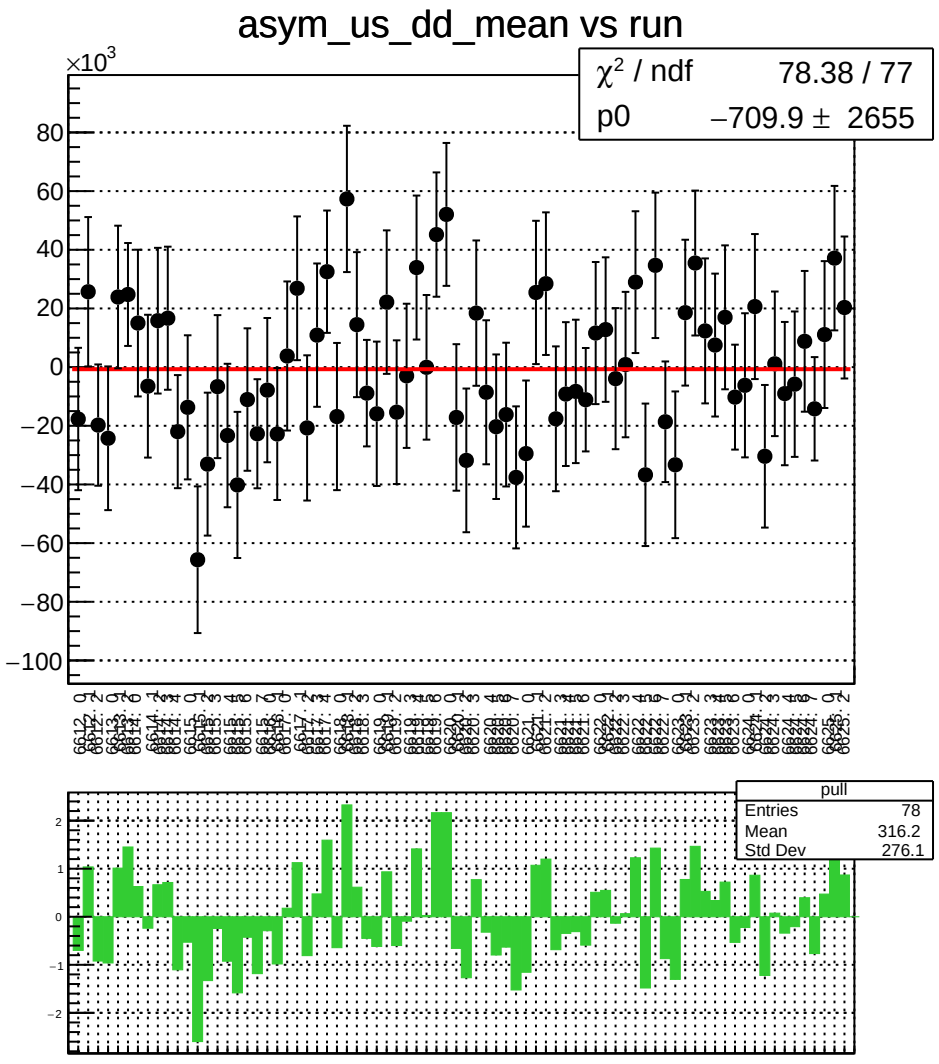

pull1D
Entries 78
Mean 0.008796
Std Dev 0.9948

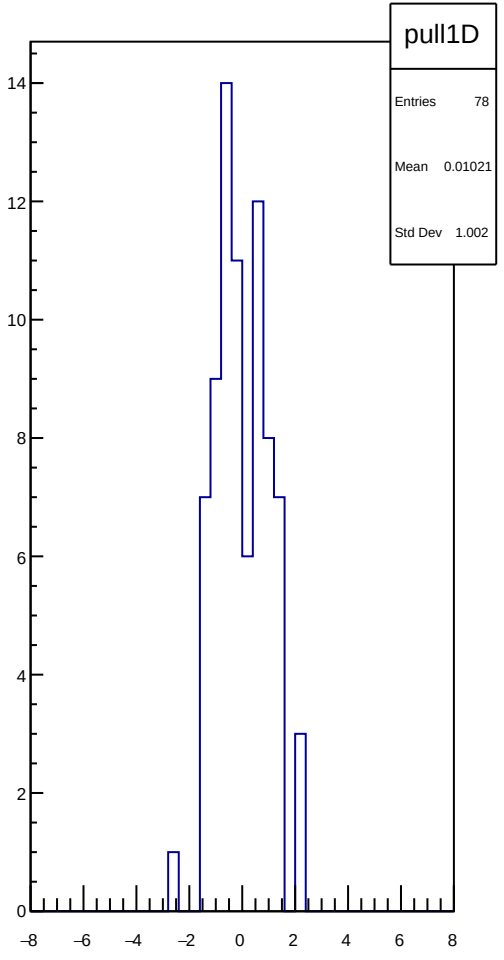

dit_asym_us_dd_rms vs run
χ^2 / ndf 249.4 / 77
p0 2243 ± 1.803
2400
2350
2300
2250
2200

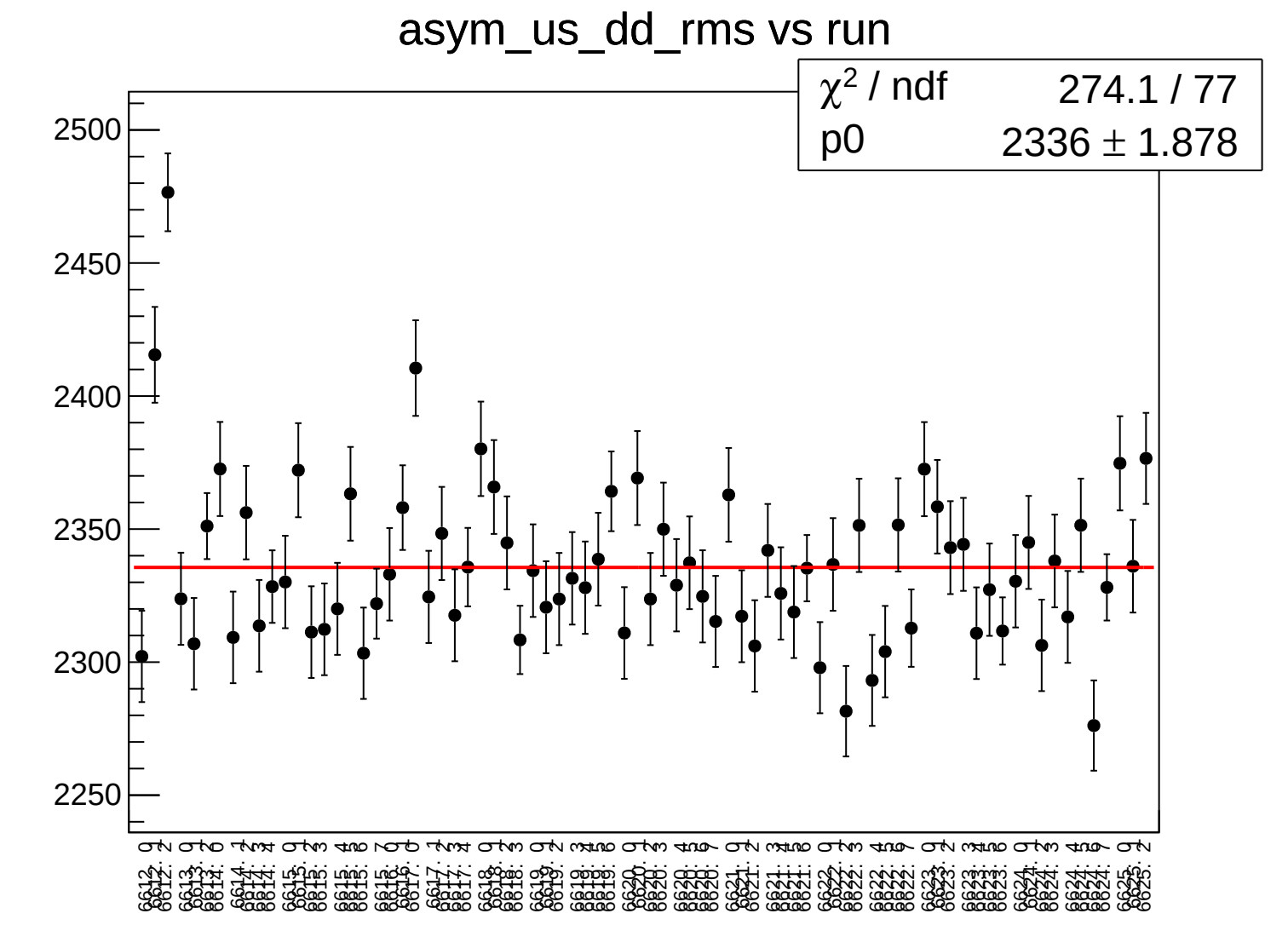

asym_us_dd_correction_mean vs run
χ² / ndf 73.75 / 77
p0 −2676 ± 2172
pull
Entries 78
Mean 103.8
Std Dev 41.6

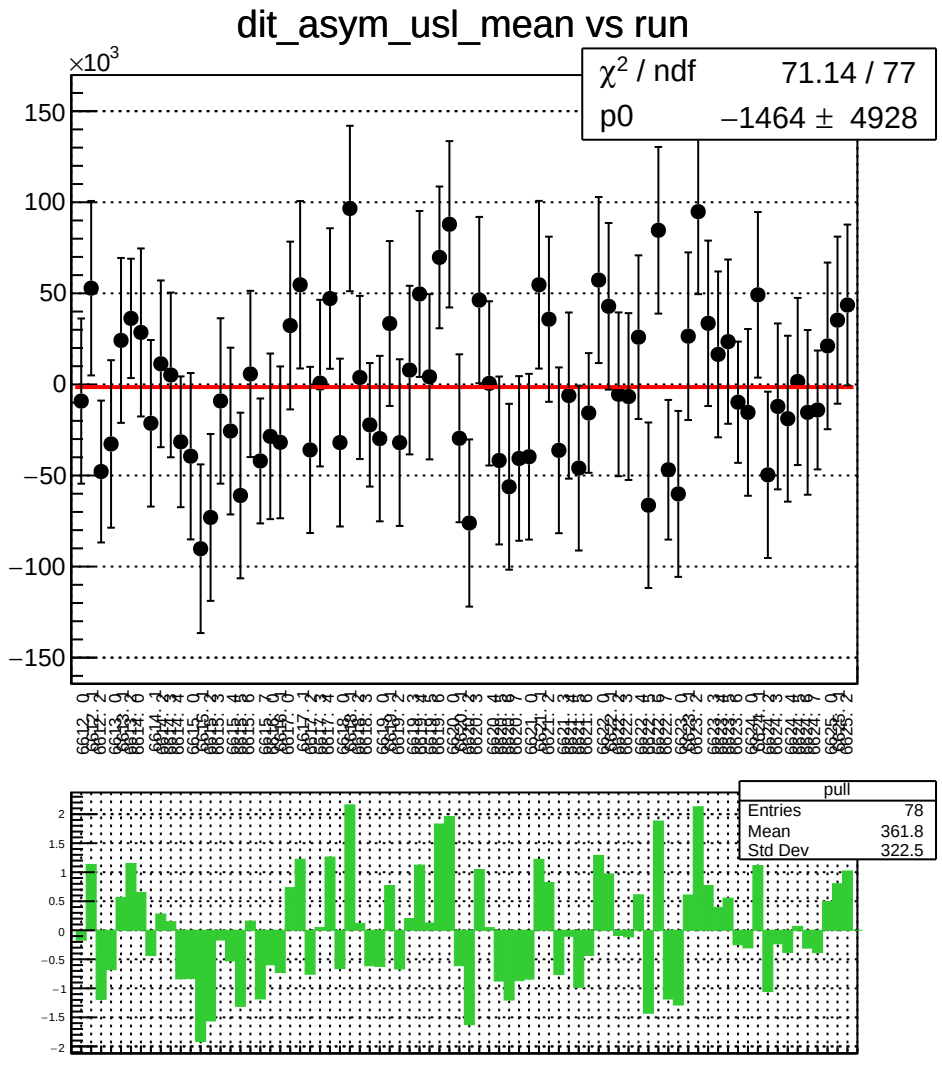

pull1D
Entries 78
Mean 0.01779
Std Dev 0.9722

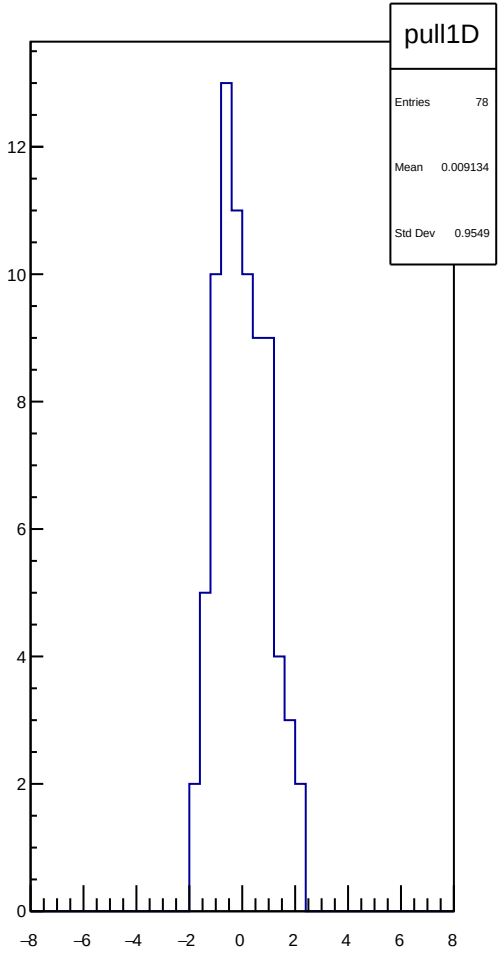

asym_us_dd_correction_rms vs run
χ² / ndf 4660 / 77
p0 1908 ± 1.536
2300
2200
2100
2000
1900
1800
1700

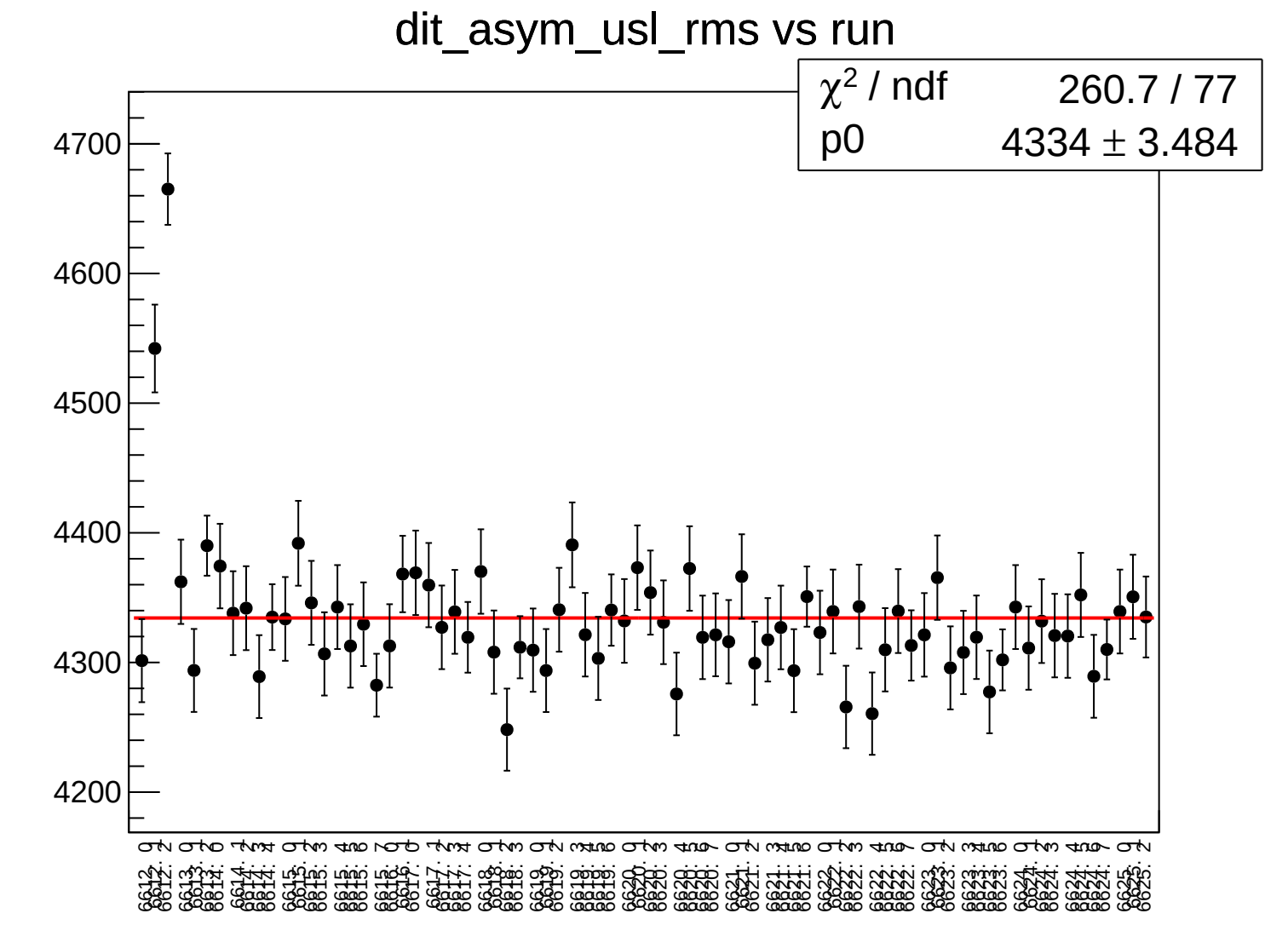

asym_us_dd_mean vs run
χ² / ndf 78.38 / 77
p0 −709.9 ± 2655
×10³
pull
Entries 78
Mean 316.2
Std Dev 276.1

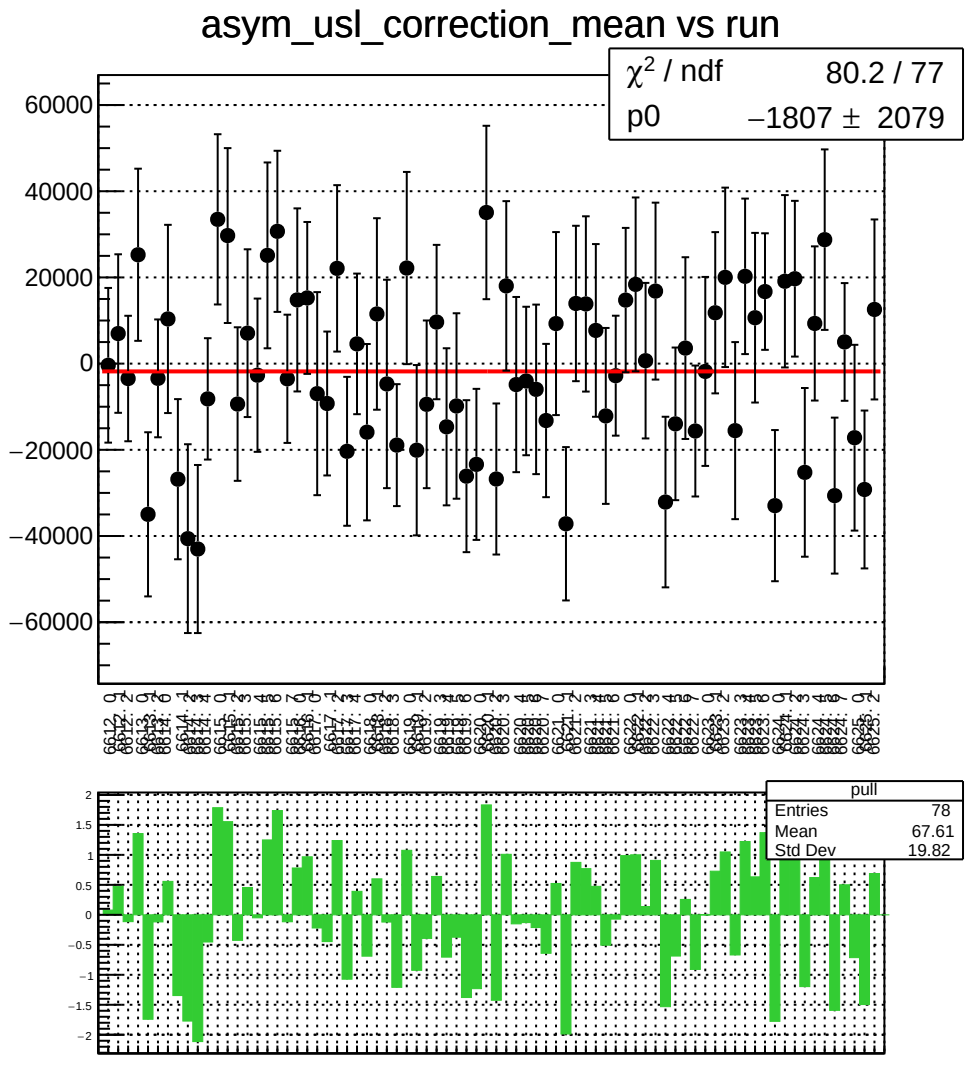

pull1D
Entries 78
Mean 0.01021
Std Dev 1.002

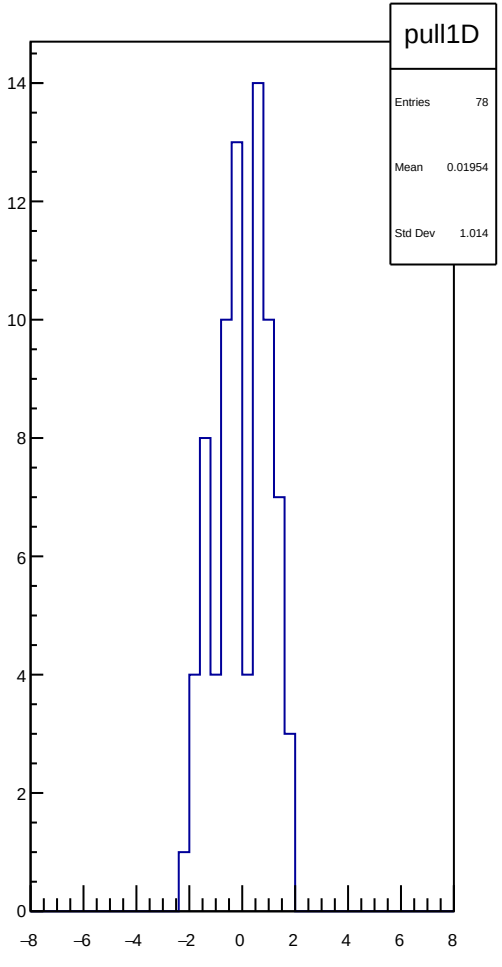

asym_us_dd_rms vs run
χ^2 / ndf 274.1 / 77
p0 2336 ± 1.878
2500
2450
2400
2350
2300
2250

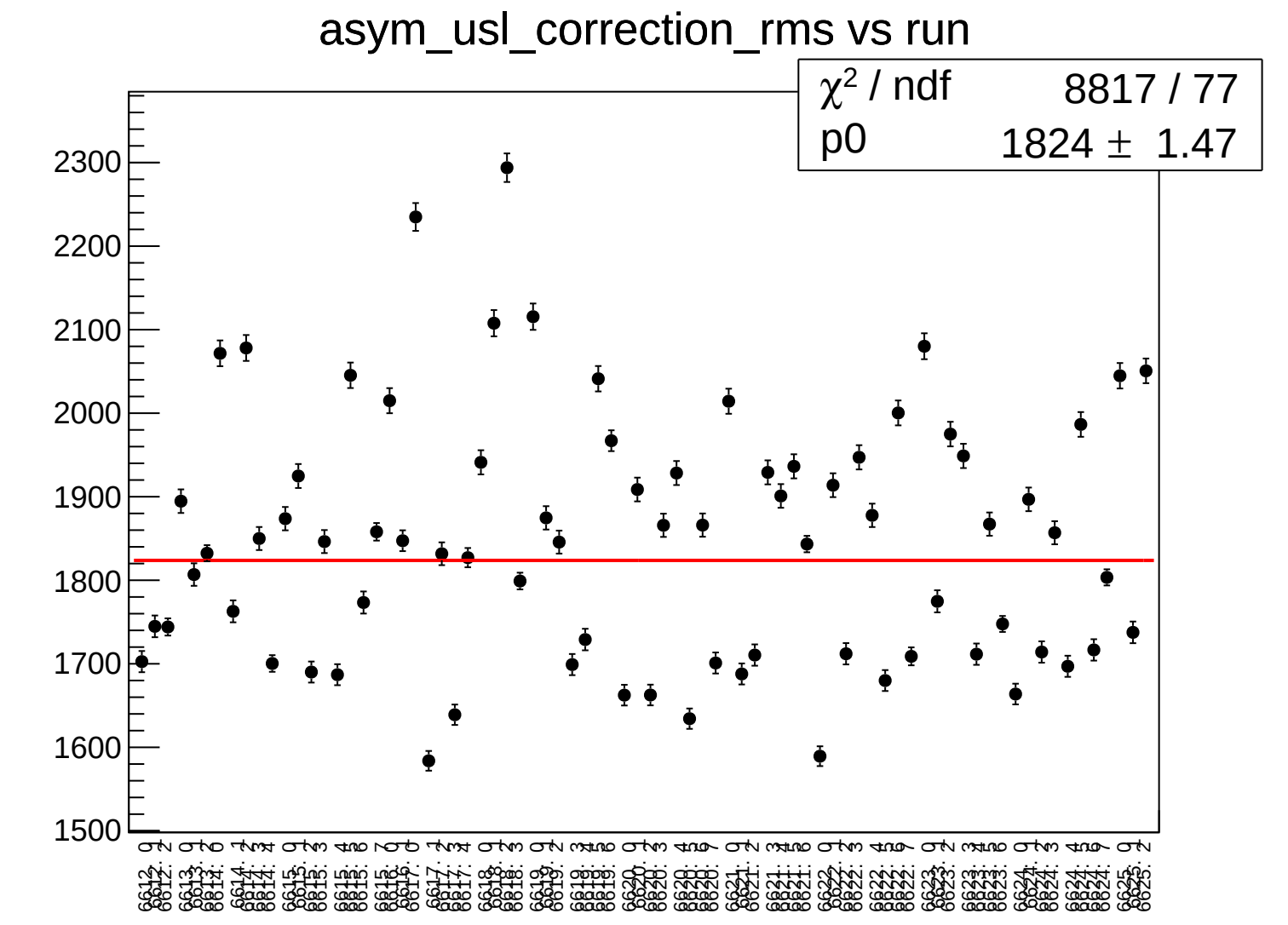

dit_asym_usl_mean vs run
×10^3
χ² / ndf 71.14 / 77
p0 −1464 ± 4928
150
100
50
0
−50
−100
−150
pull
Entries 78
Mean 361.8
Std Dev 322.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

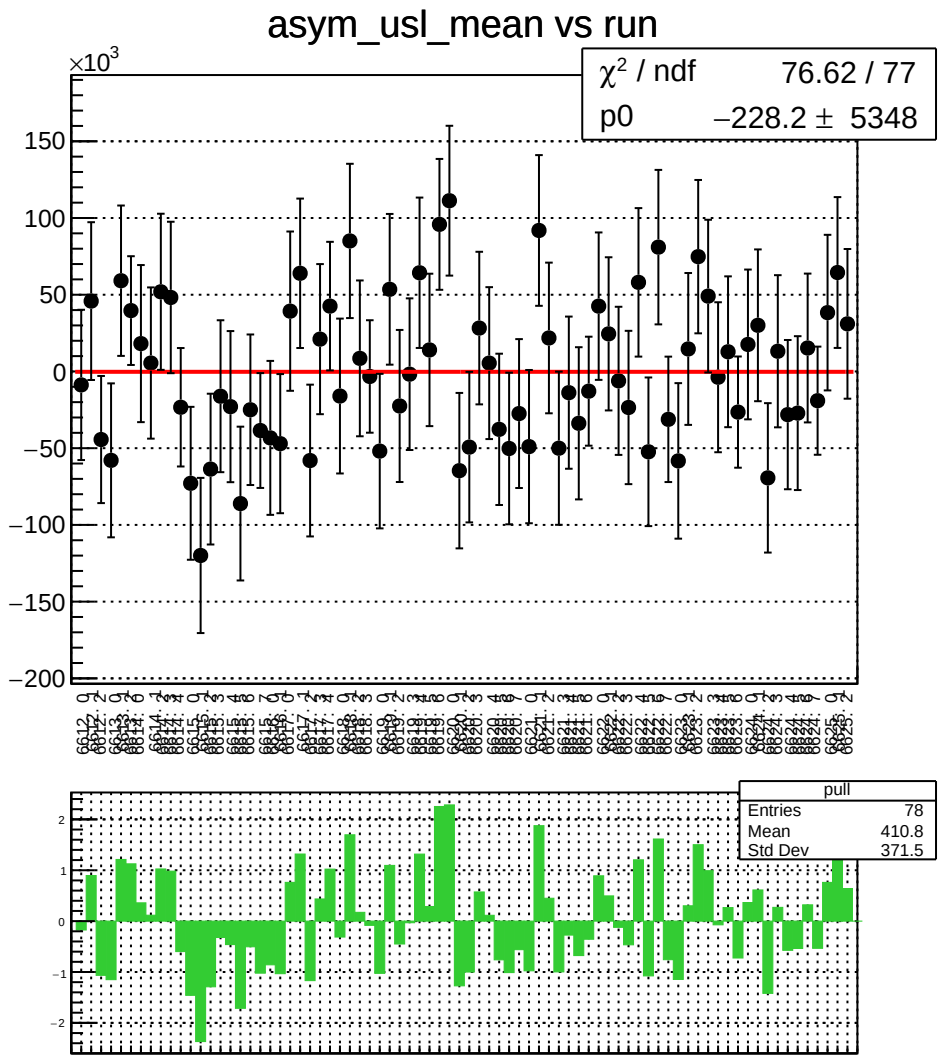

pull1D
Entries 78
Mean 0.009134
Std Dev 0.9549
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

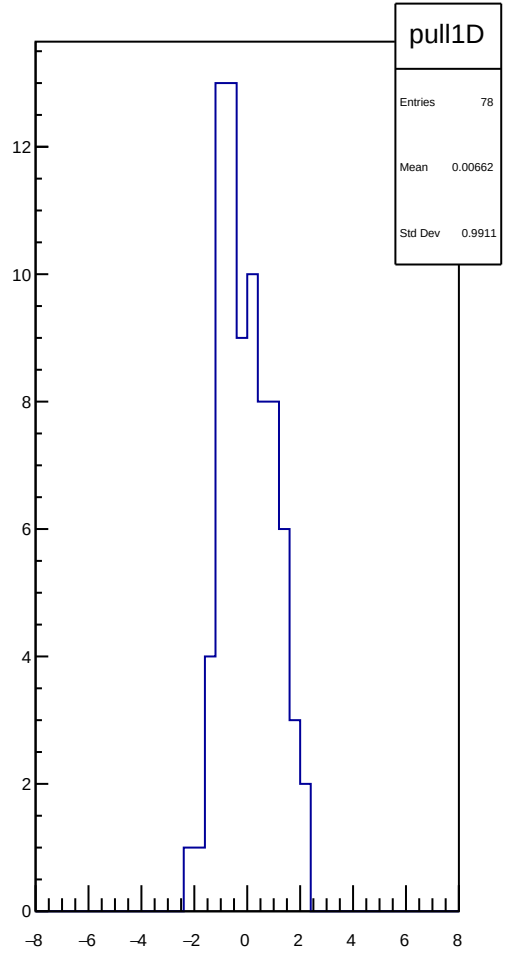

dit_asym_usl_rms vs run
χ² / ndf 260.7 / 77
p0 4334 ± 3.484
4700
4600
4500
4400
4300
4200

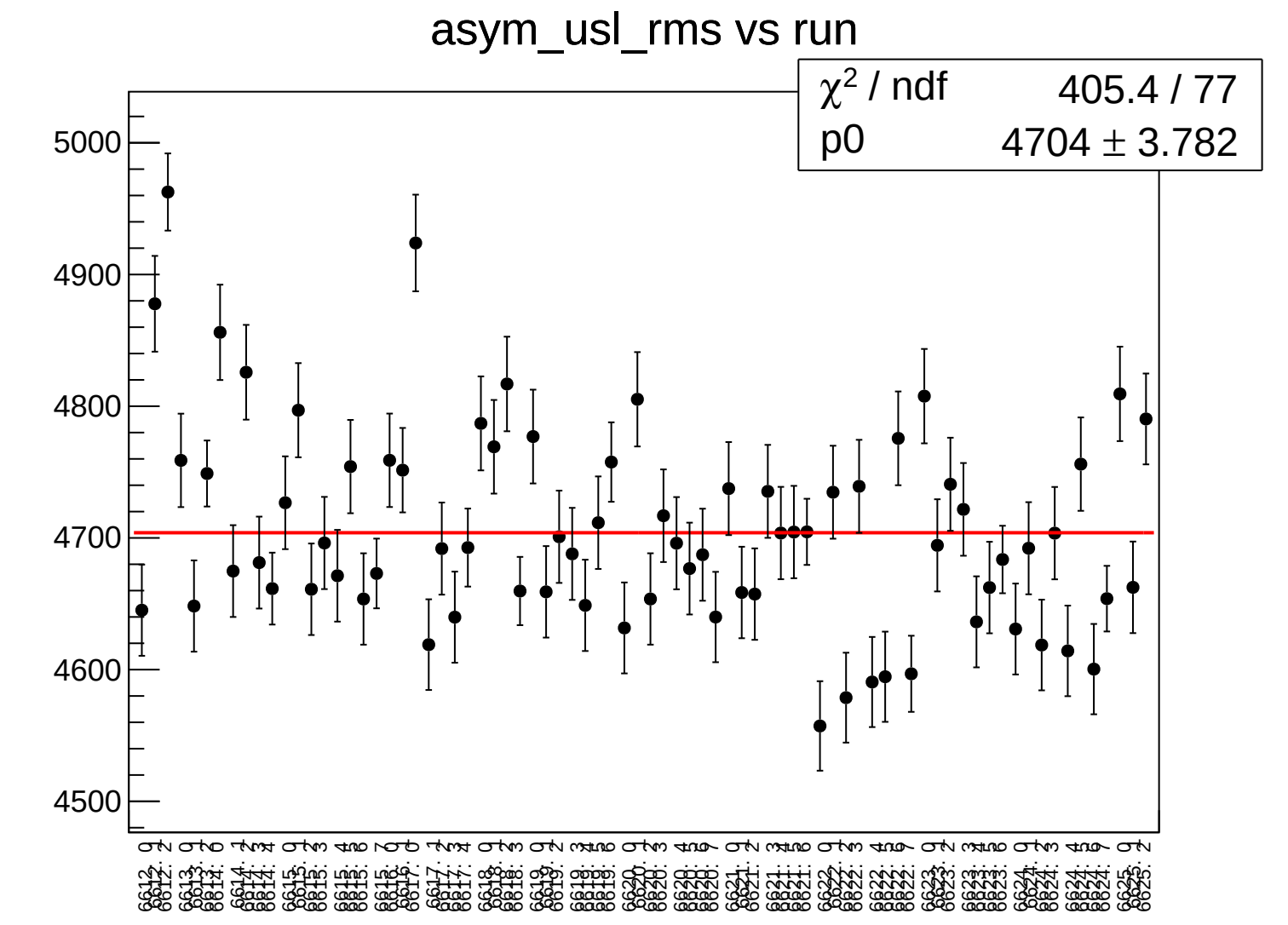

asym_usl_correction_mean vs run
χ² / ndf 80.2 / 77
p0 −1807 ± 2079
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 78
Mean 67.61
Std Dev 19.82
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

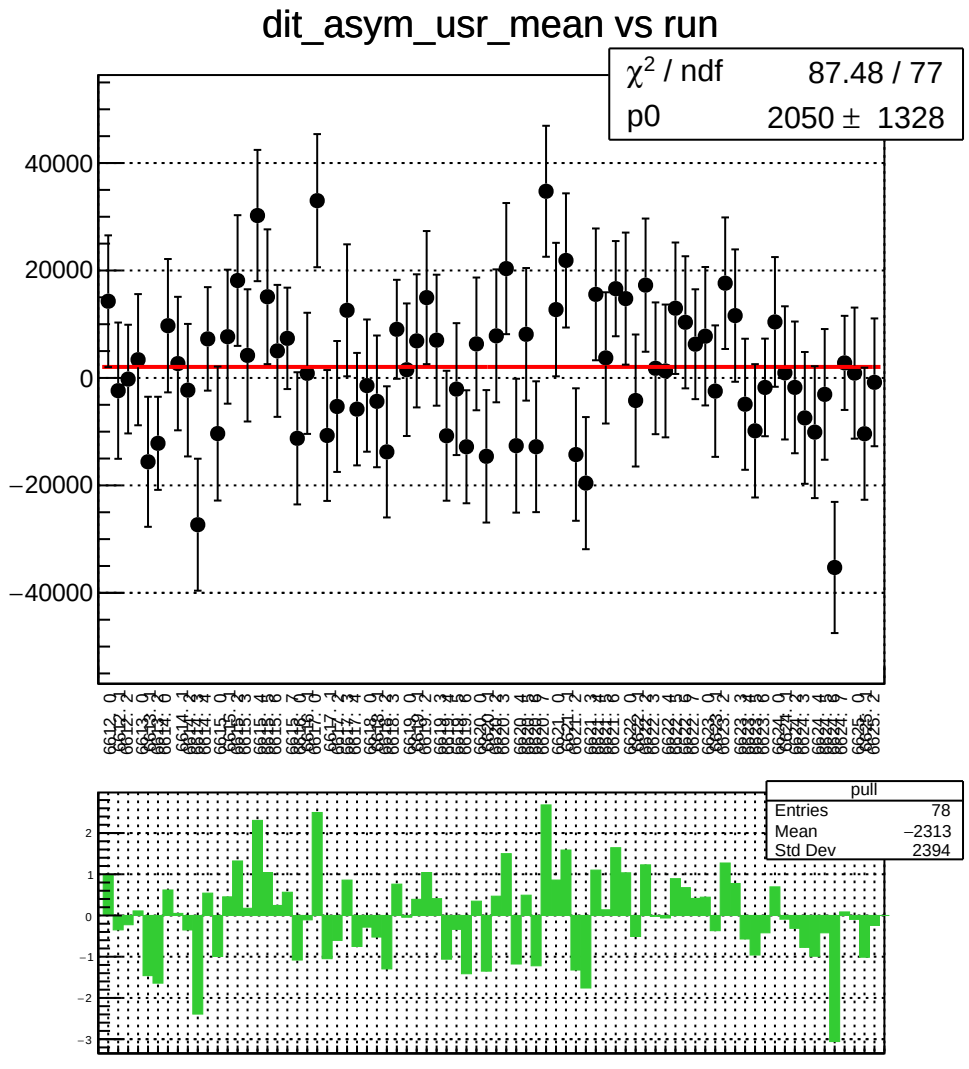

pull1D
Entries 78
Mean 0.01954
Std Dev 1.014
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

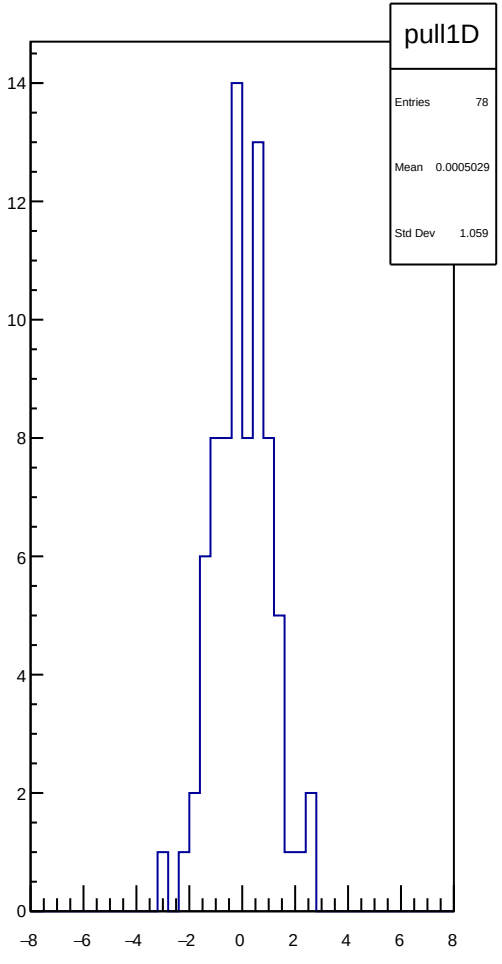

asym_usl_correction_rms vs run
χ² / ndf 8817 / 77
p0 1824 ± 1.47
2300
2200
2100
2000
1900
1800
1700
1600
1500

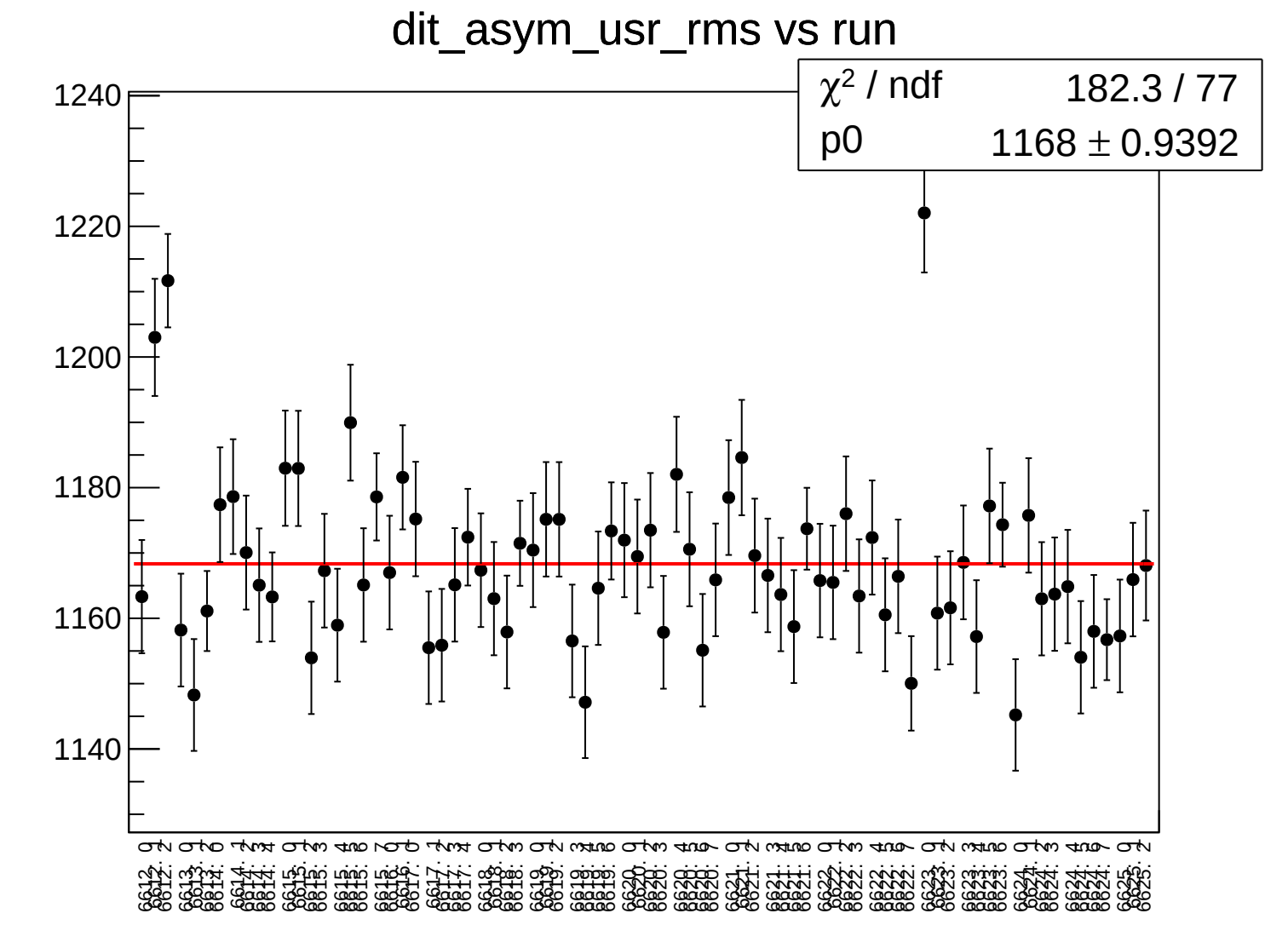

asym_usl_mean vs run
×10^3
χ² / ndf 76.62 / 77
p0 −228.2 ± 5348
150
100
50
0
−50
−100
−150
−200
pull
Entries 78
Mean 410.8
Std Dev 371.5
2
1
0
−1
−2

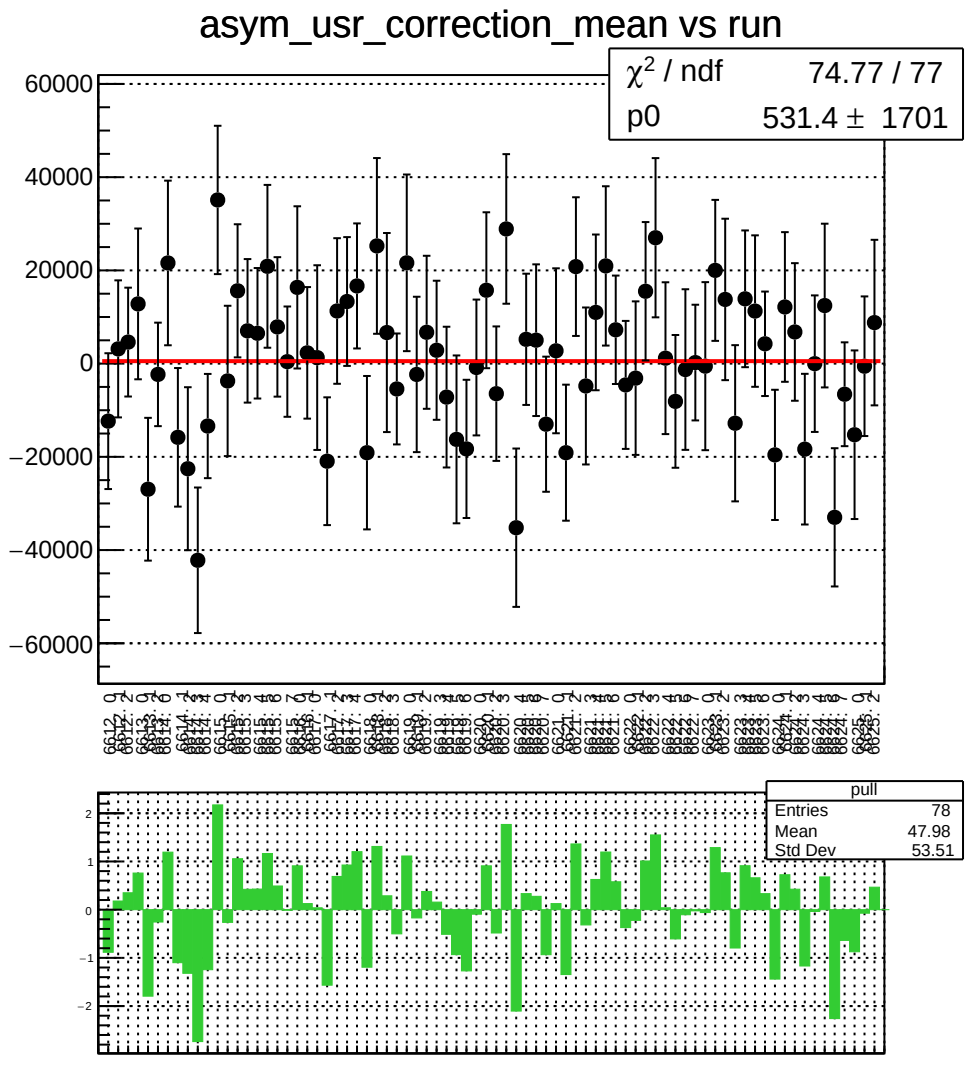

pull1D
Entries 78
Mean 0.00662
Std Dev 0.9911
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

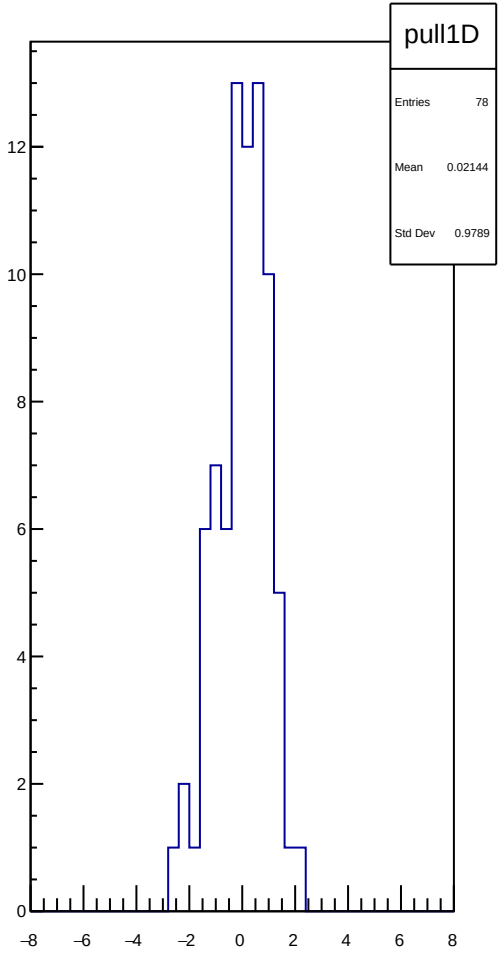

asym_usl_rms vs run
χ² / ndf 405.4 / 77
p0 4704 ± 3.782
5000
4900
4800
4700
4600
4500

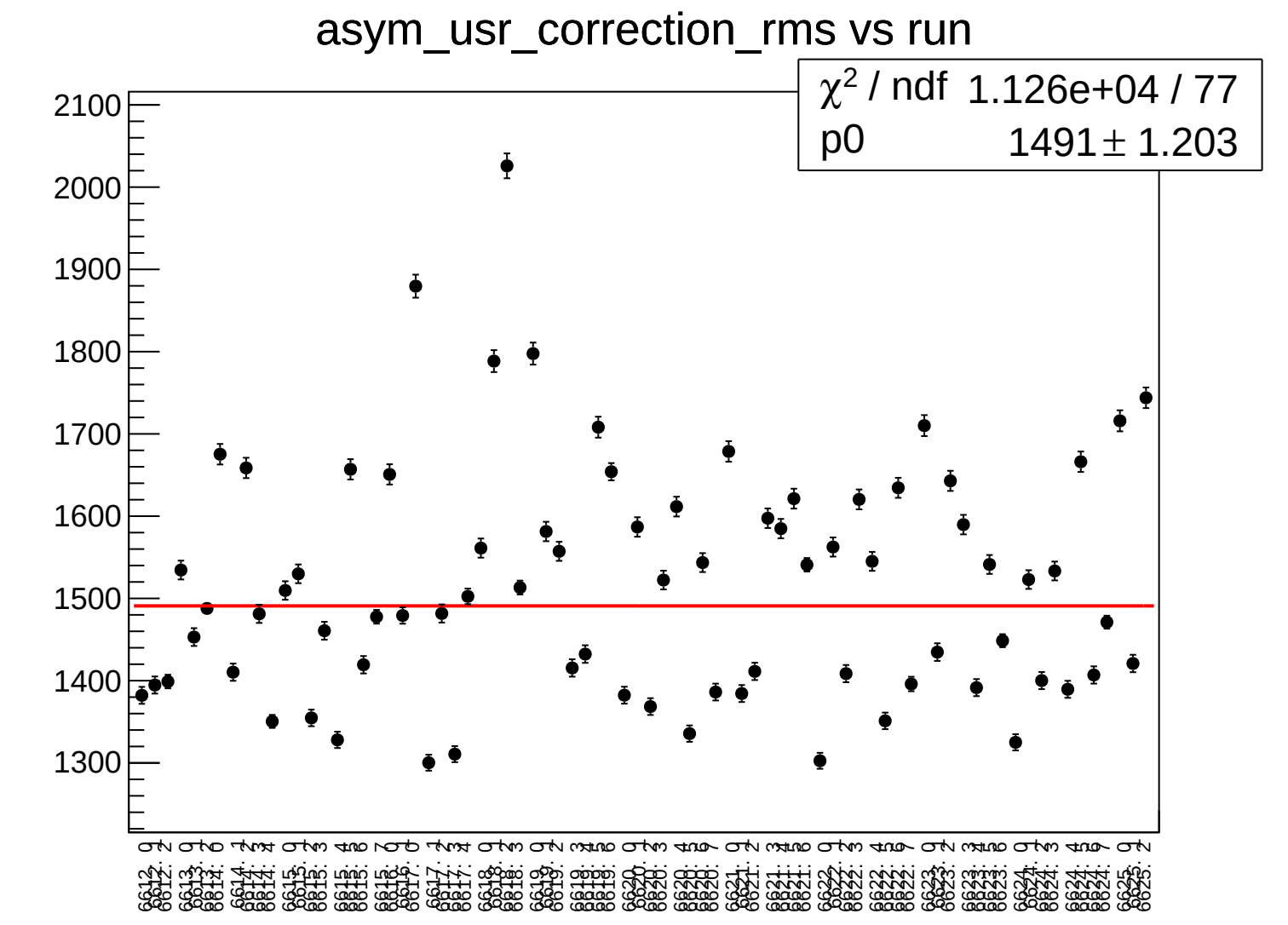

dit_asym_usr_mean vs run
χ² / ndf 87.48 / 77
p0 2050 ± 1328
40000
20000
0
−20000
−40000
pull
Entries 78
Mean −2313
Std Dev 2394
2
1
0
−1
−2
−3

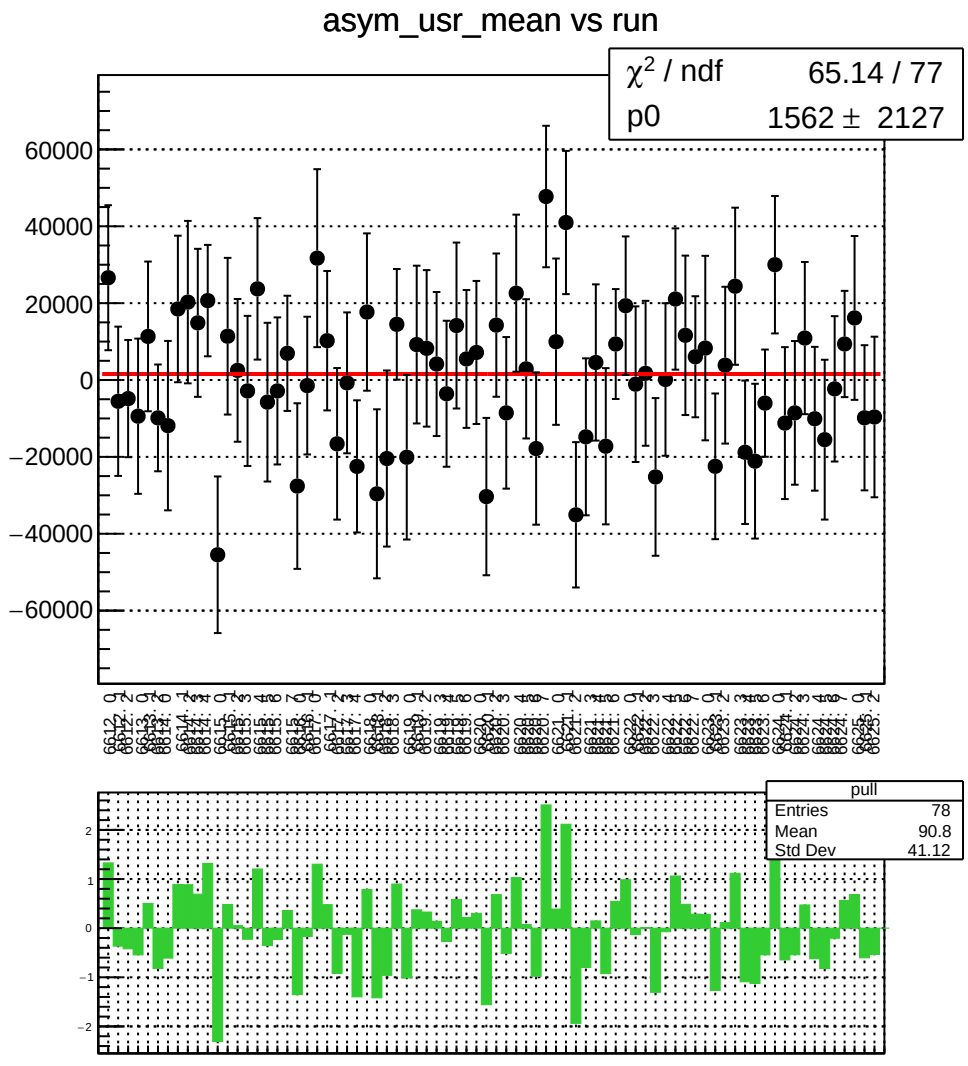

pull1D
Entries 78
Mean 0.0005029
Std Dev 1.059
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

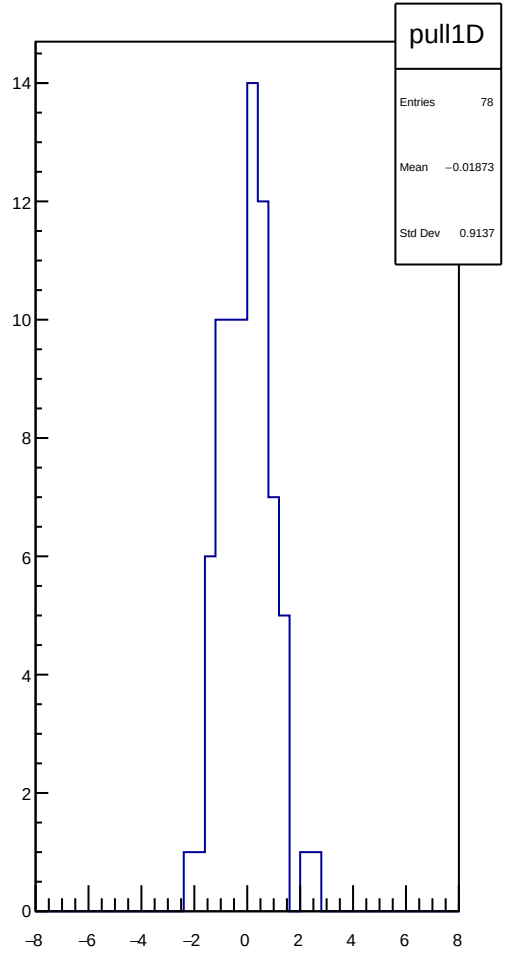

dit_asym_usr_rms vs run
χ² / ndf 182.3 / 77
p0 1168 ± 0.9392
1240
1220
1200
1180
1160
1140

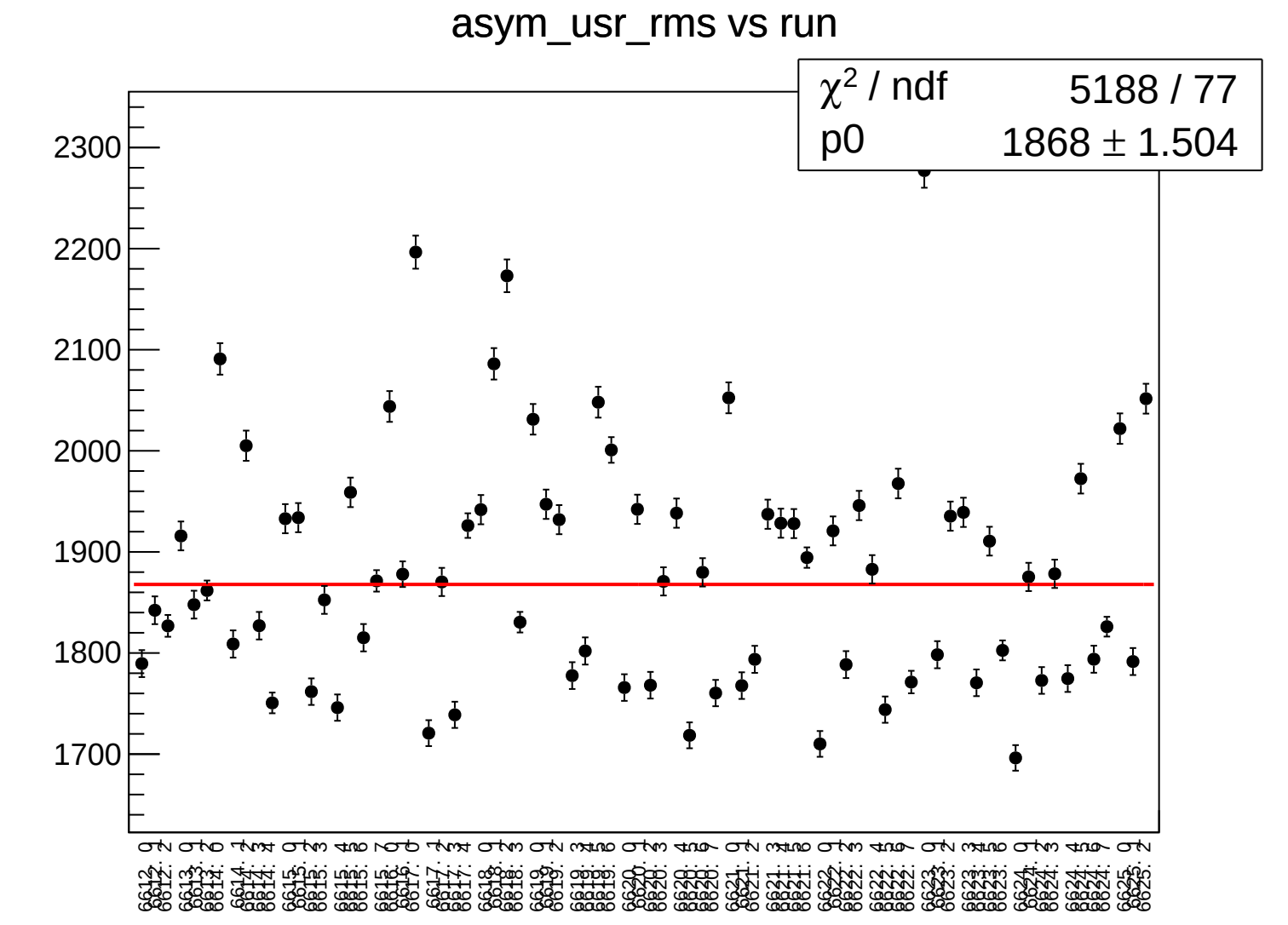

asym_usr_correction_mean vs run
χ² / ndf 74.77 / 77
p0 531.4 ± 1701
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 78
Mean 47.98
Std Dev 53.51
2
1
0
−1
−2

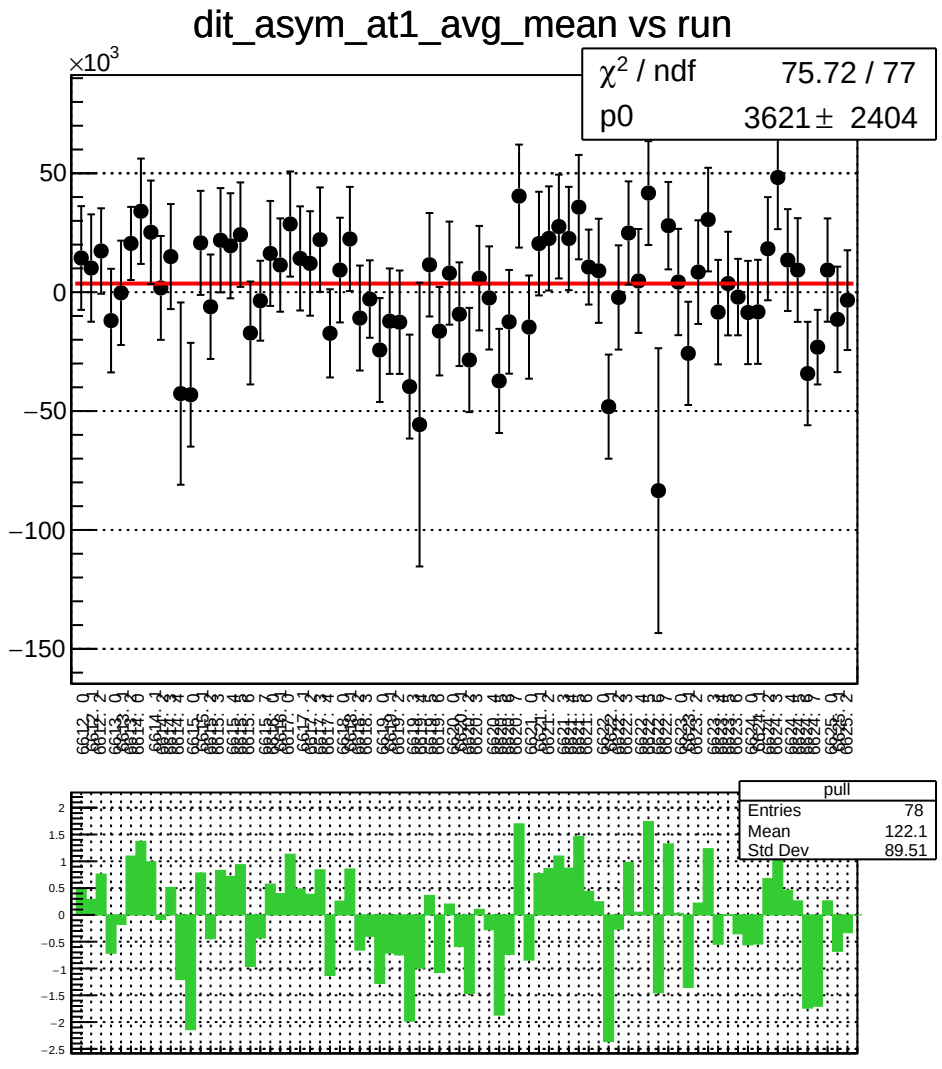

pull1D
Entries 78
Mean 0.02144
Std Dev 0.9789
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

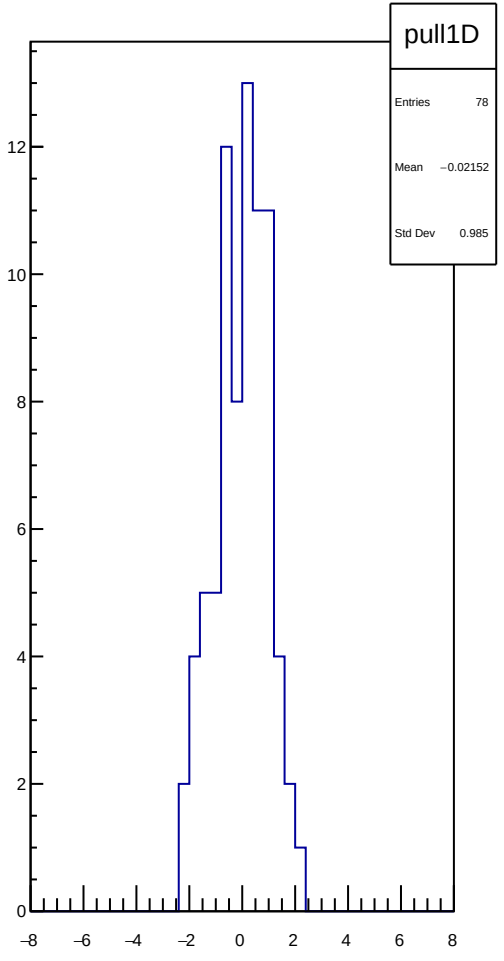

asym_usr_correction_rms vs run
χ² / ndf 1.126e+04 / 77
p0 1491 ± 1.203
2100
2000
1900
1800
1700
1600
1500
1400
1300

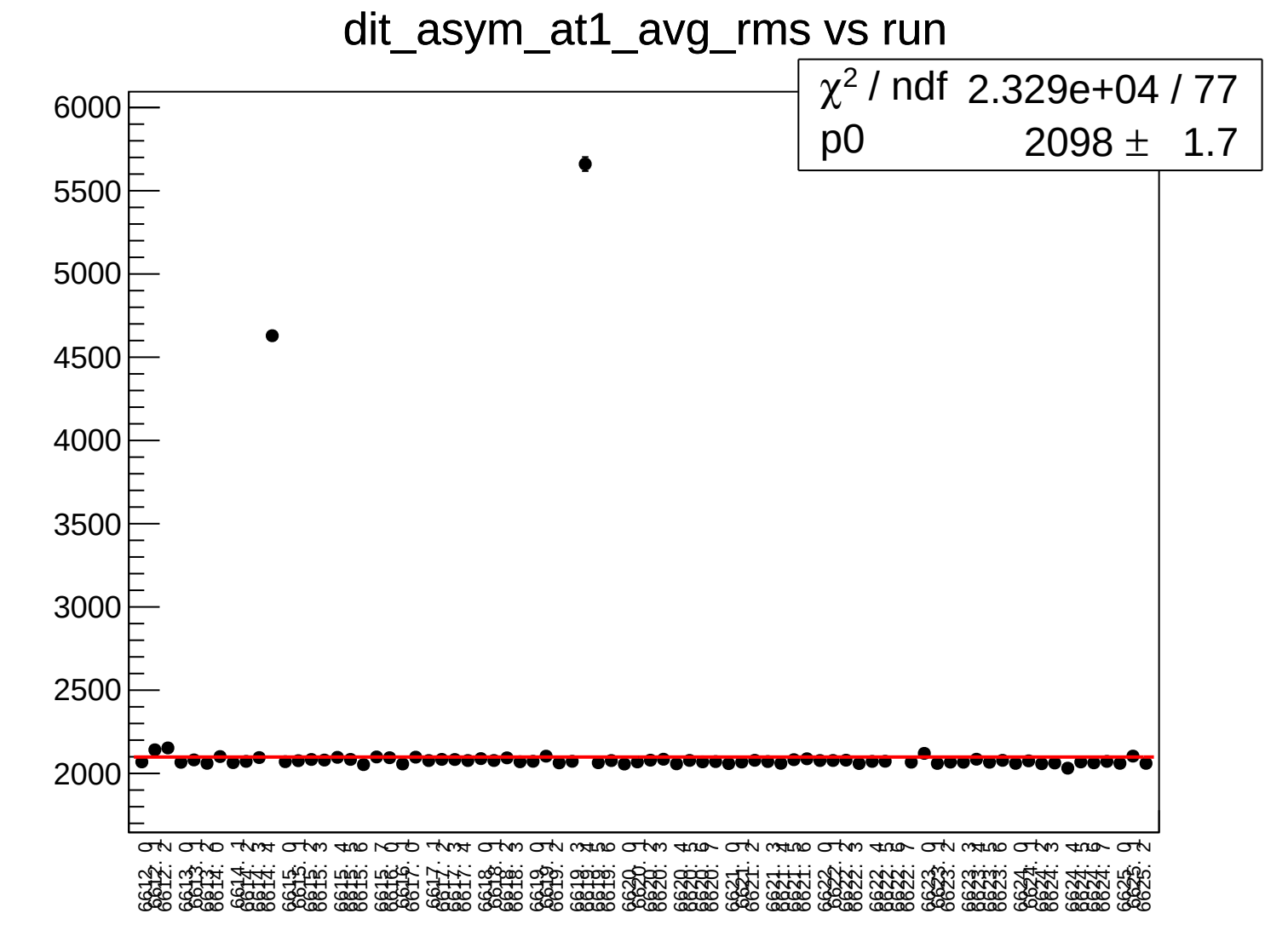

asym_usr_mean vs run
χ² / ndf 65.14 / 77
p0 1562 ± 2127
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 78
Mean 90.8
Std Dev 41.12
2
1
0
−1
−2

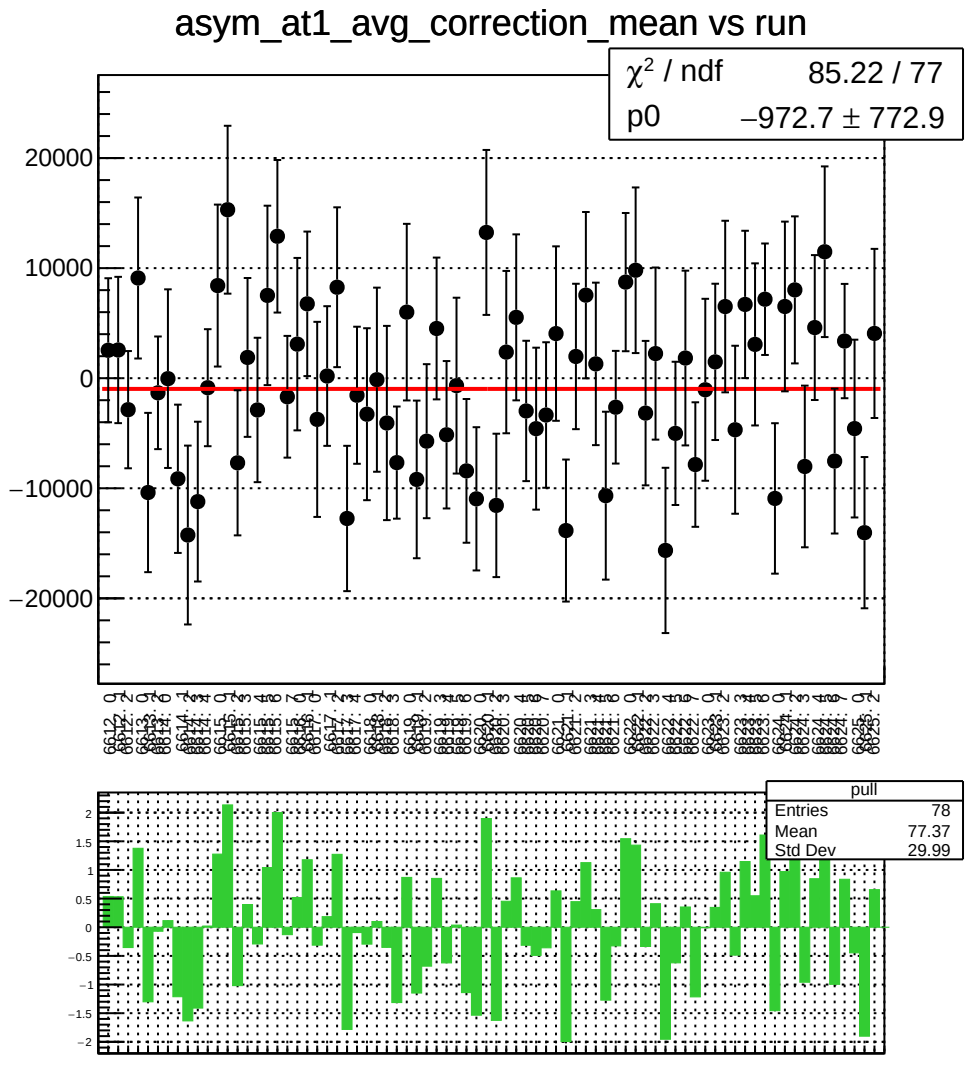

pull1D
Entries 78
Mean −0.01873
Std Dev 0.9137
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

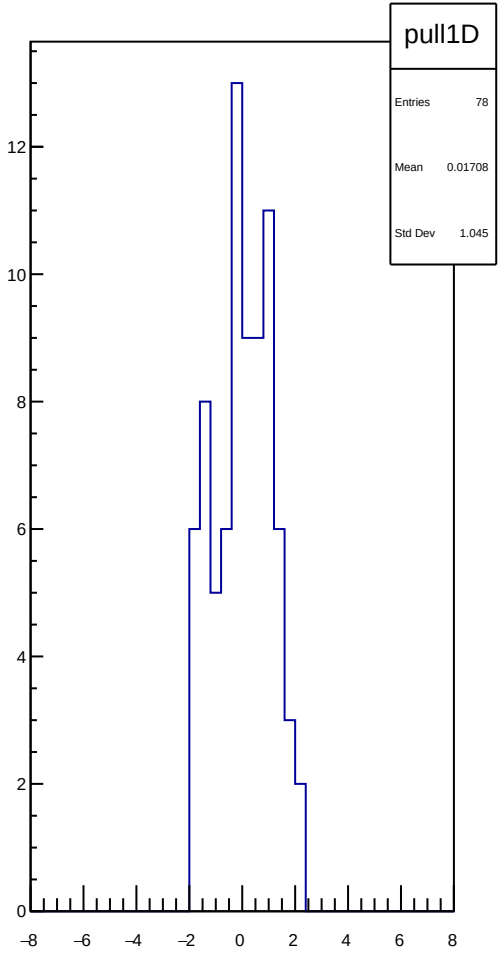

asym_usr_rms vs run
χ² / ndf 5188 / 77
p0 1868 ± 1.504
2300
2200
2100
2000
1900
1800
1700

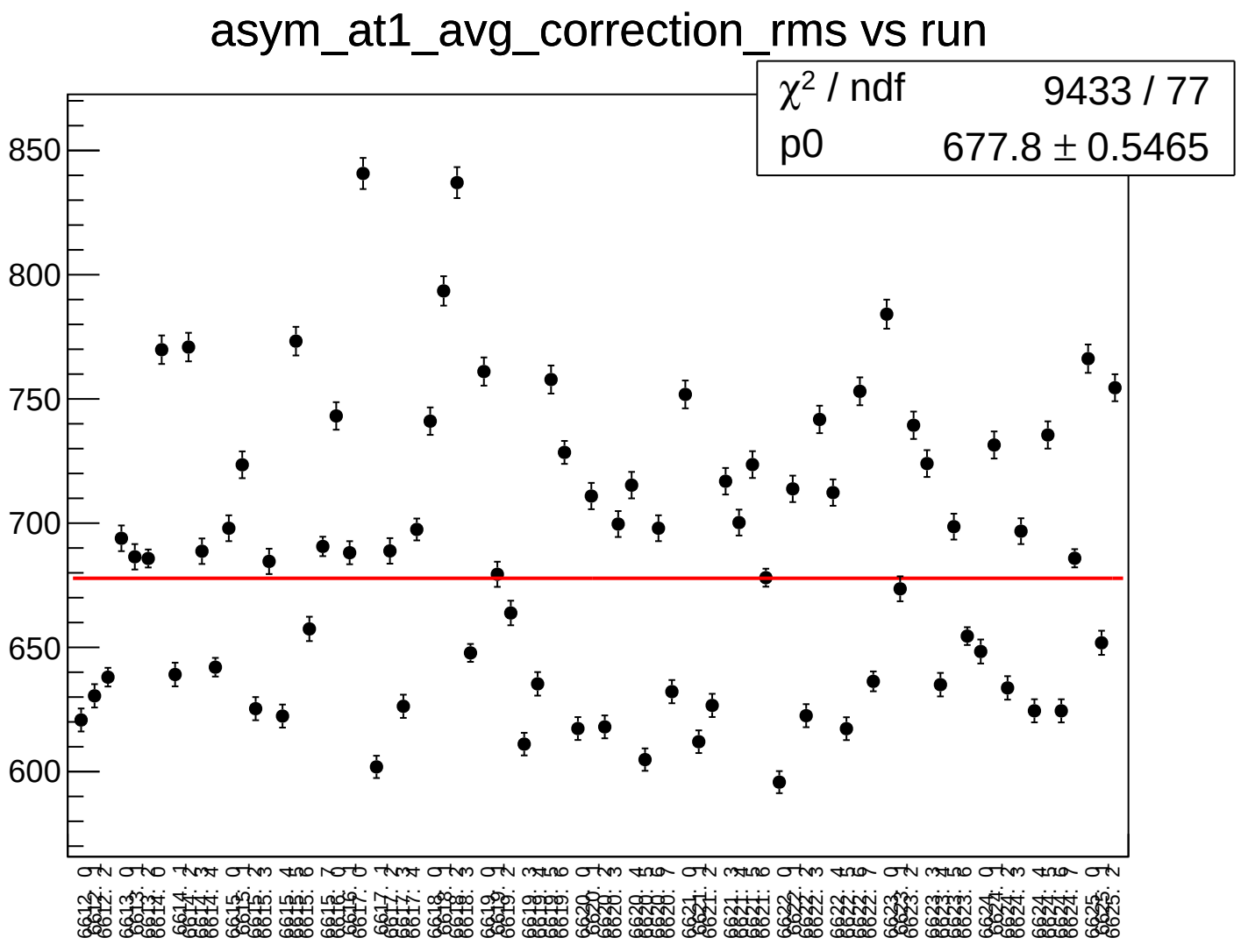

dit_asym_at1_avg_mean vs run
×10^3
χ^2 / ndf 75.72 / 77
p0 3621 ± 2404
50
0
−50
−100
−150
pull
Entries 78
Mean 122.1
Std Dev 89.51
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

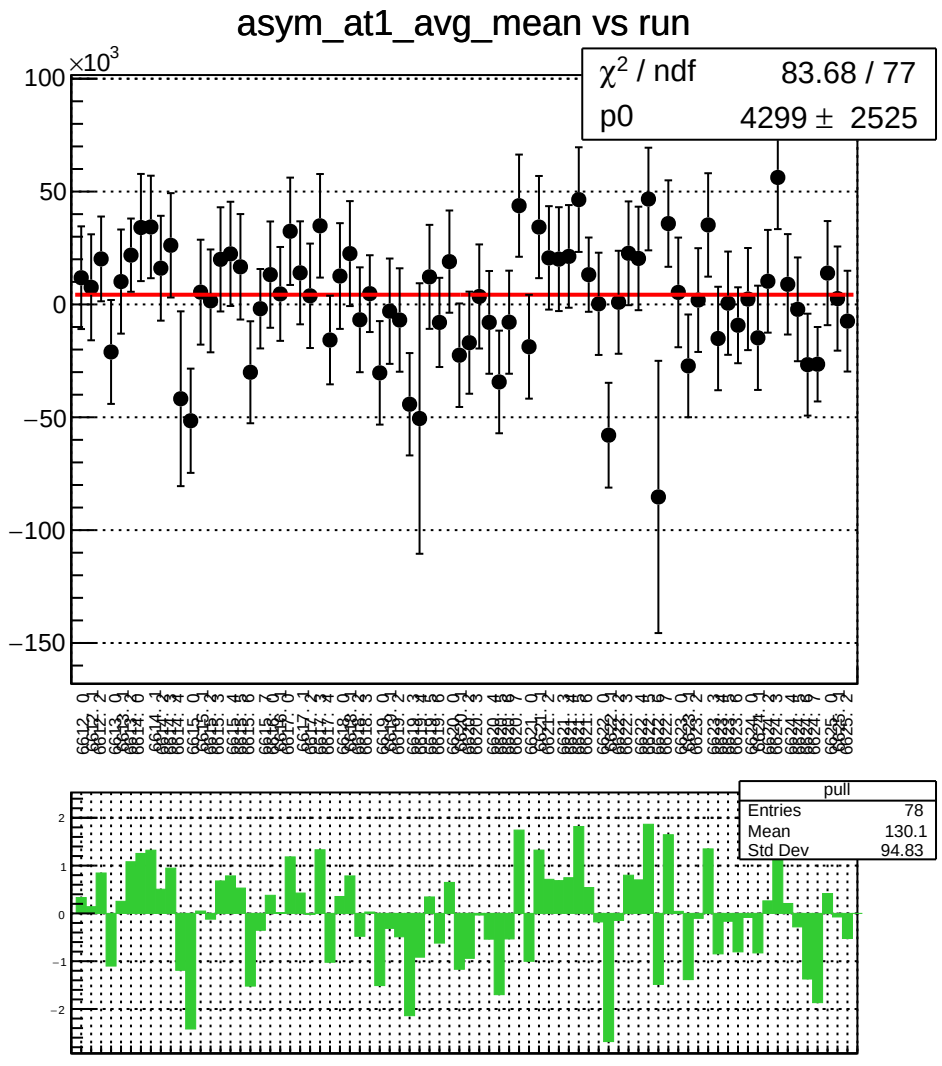

pull1D
Entries 78
Mean −0.02152
Std Dev 0.985
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

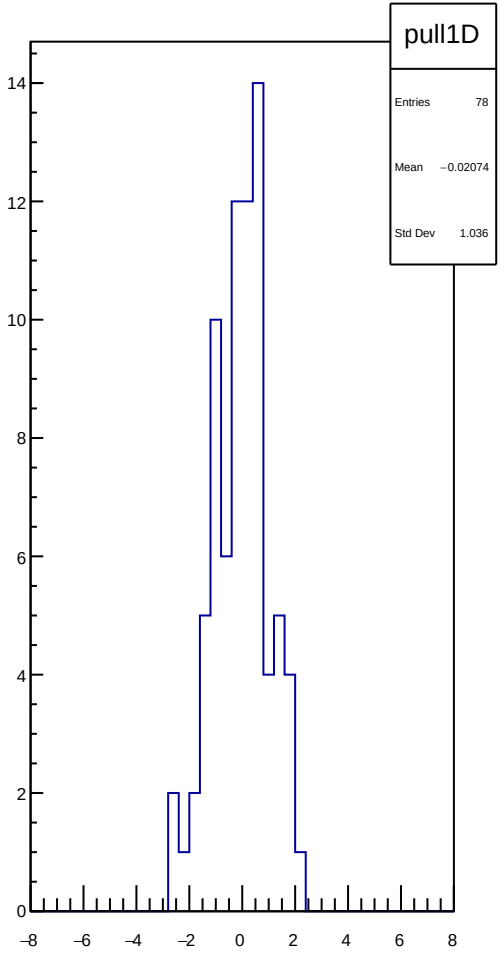

dit_asym_at1_avg_rms vs run
χ² / ndf 2.329e+04 / 77
p0 2098 ± 1.7
6000
5500
5000
4500
4000
3500
3000
2500
2000

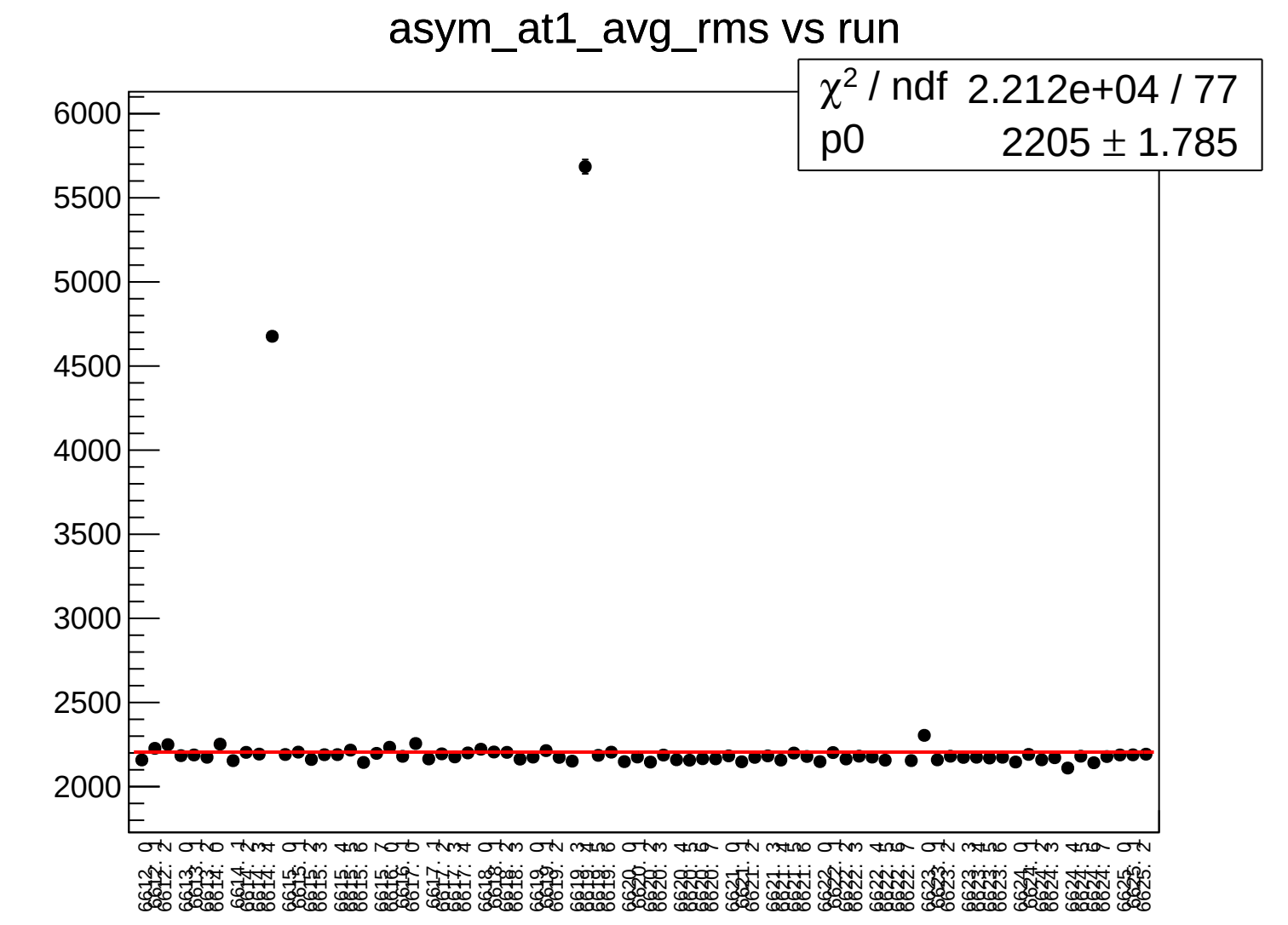

asym_at1_avg_correction_mean vs run
χ² / ndf 85.22 / 77
p0 −972.7 ± 772.9
20000
10000
0
−10000
−20000
pull
Entries 78
Mean 77.37
Std Dev 29.99
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

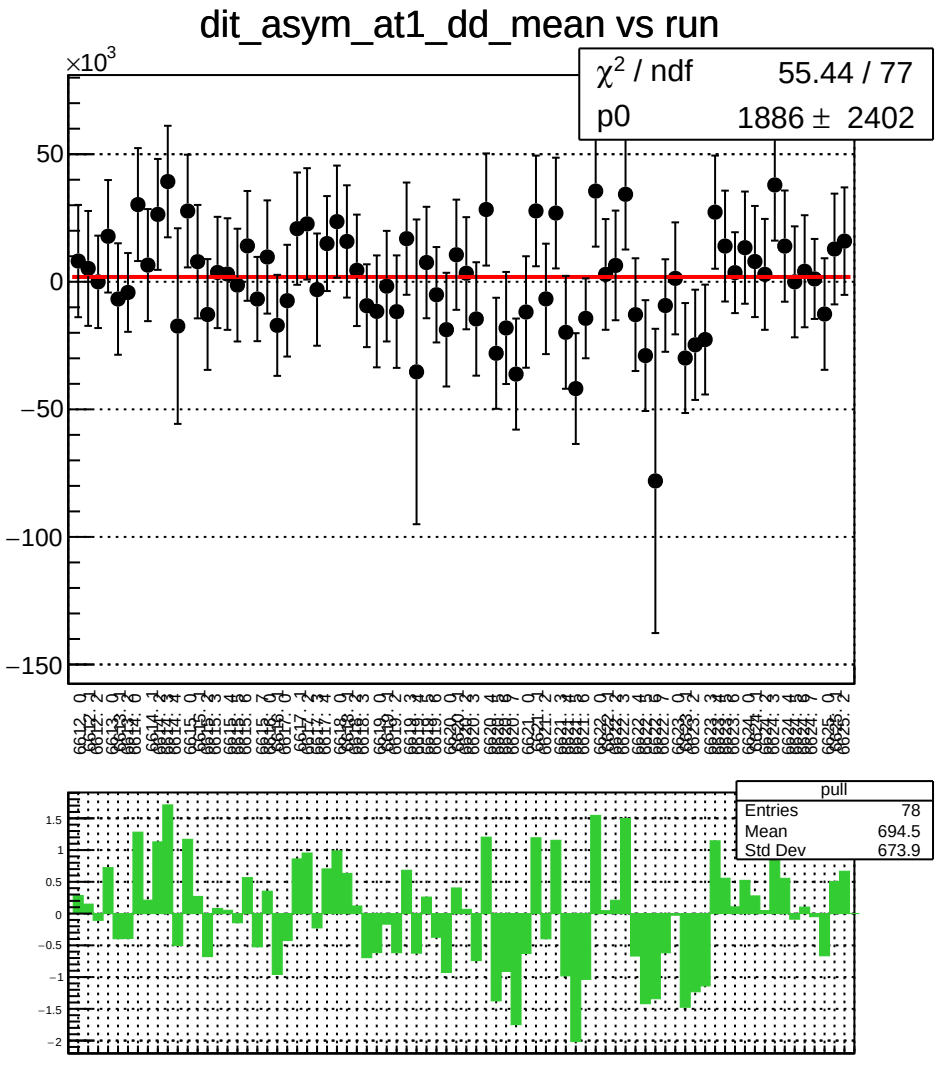

pull1D
Entries 78
Mean 0.01708
Std Dev 1.045
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

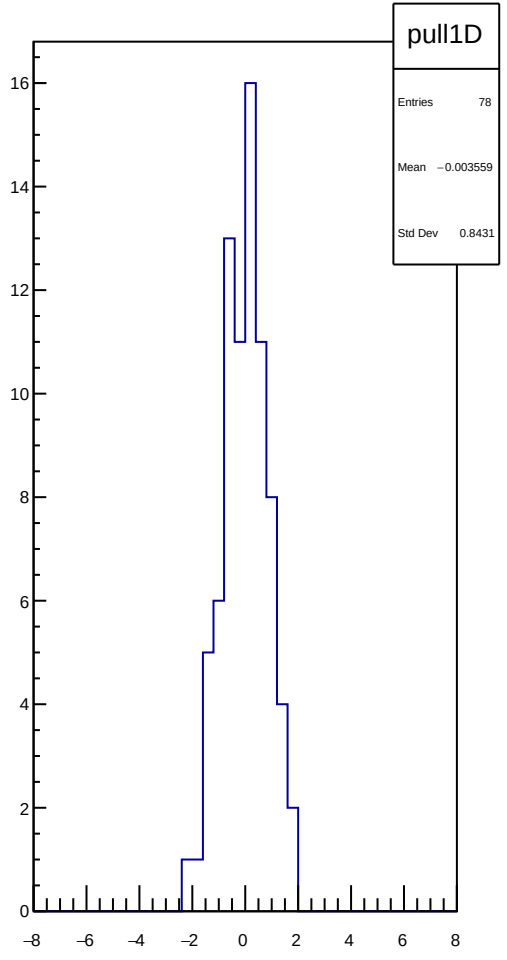

asym_at1_avg_correction_rms vs run
χ² / ndf 9433 / 77
p0 677.8 ± 0.5465
850
800
750
700
650
600

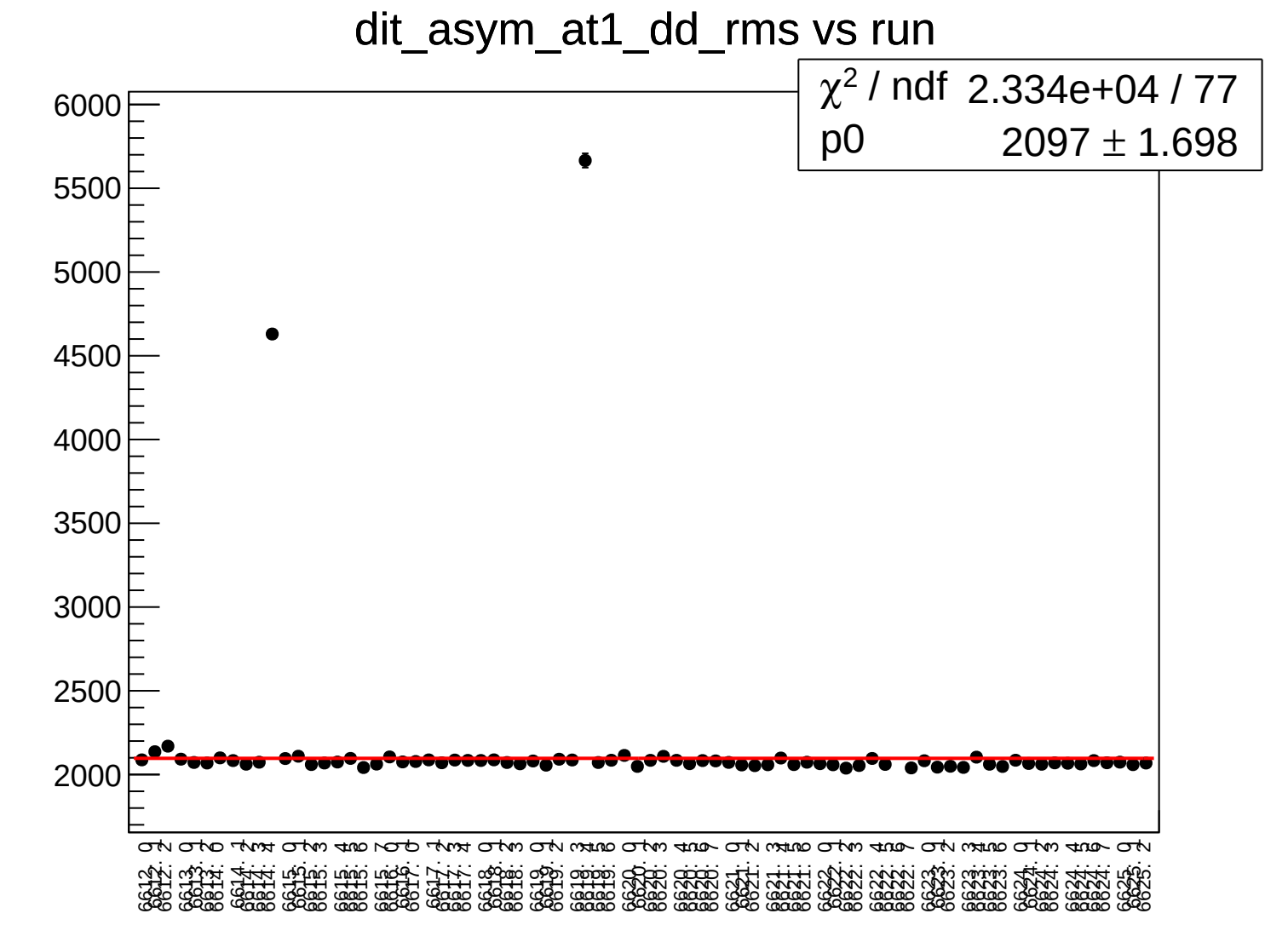

asym_at1_avg_mean vs run
χ^2 / ndf 83.68 / 77
p0 4299 ± 2525
pull
Entries 78
Mean 130.1
Std Dev 94.83

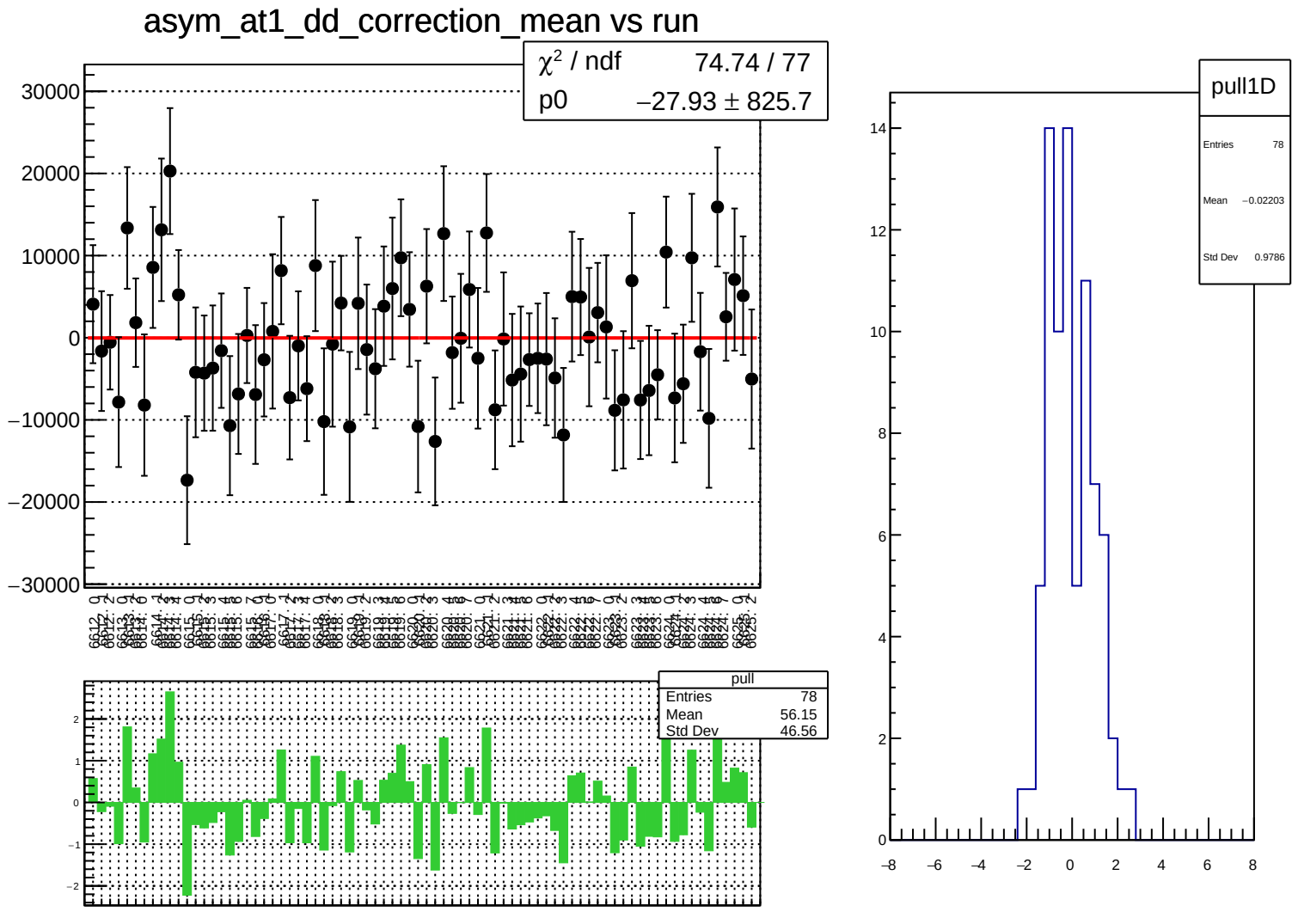

pull1D
Entries 78
Mean −0.02074
Std Dev 1.036

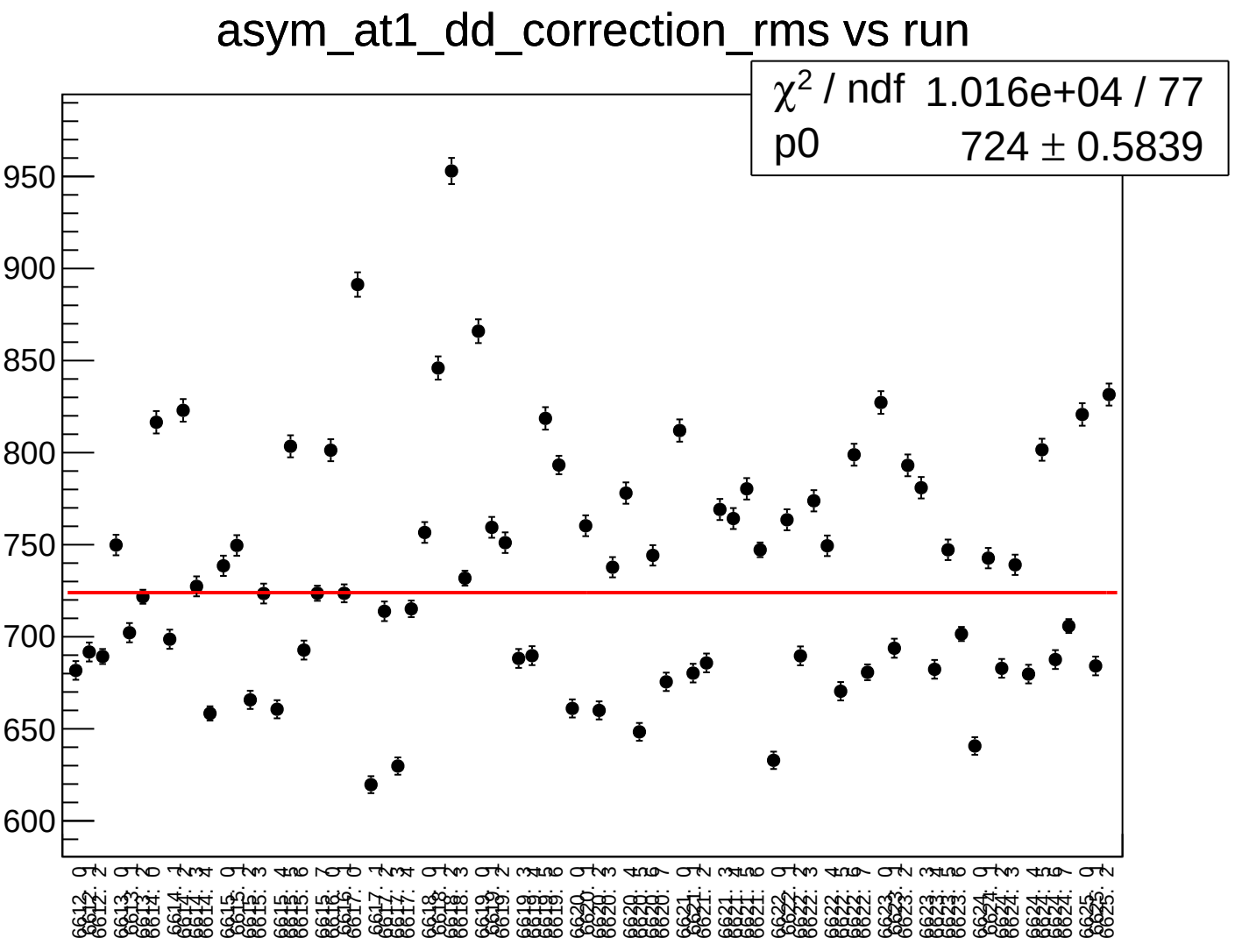

asym_at1_avg_rms vs run
χ^2 / ndf 2.212e+04 / 77
p0 2205 ± 1.785
6000
5500
5000
4500
4000
3500
3000
2500
2000

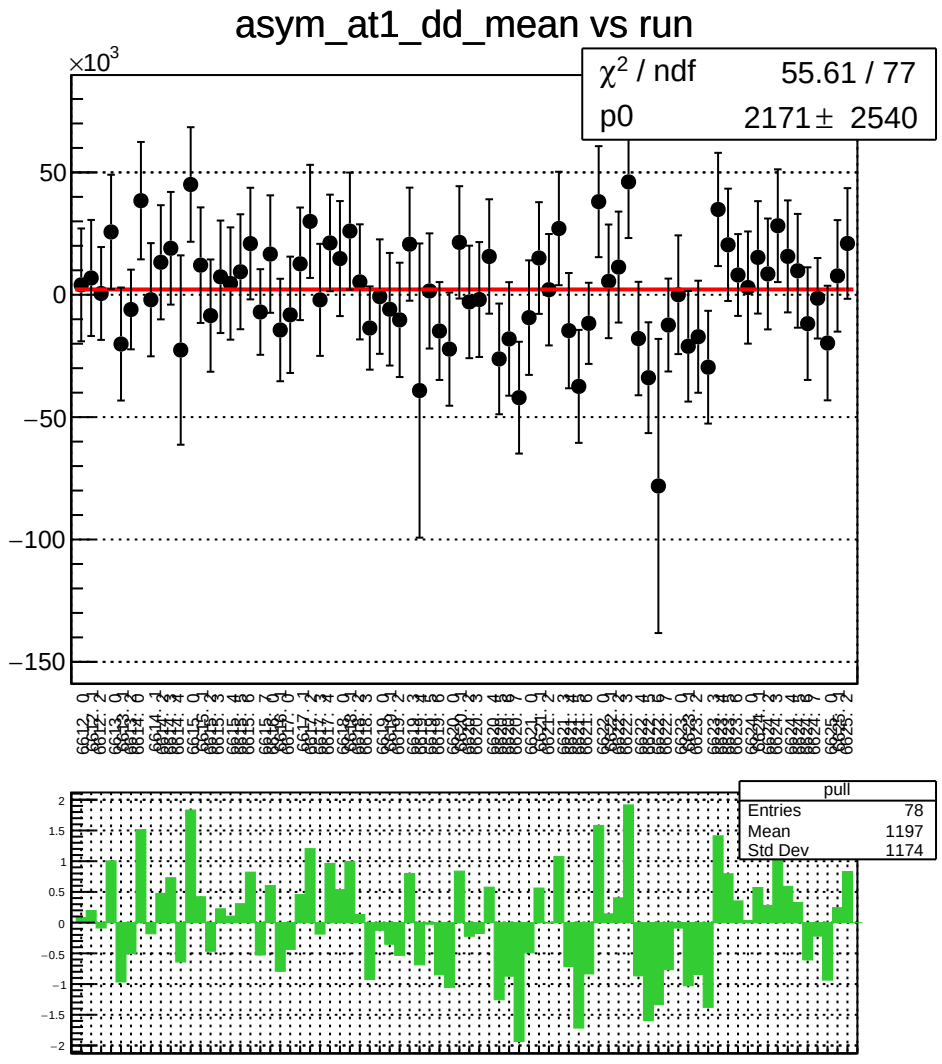

dit_asym_at1_dd_mean vs run
×10^3
χ^2 / ndf 55.44 / 77
p0 1886 ± 2402
50
0
−50
−100
−150
pull
Entries 78
Mean 694.5
Std Dev 673.9
1.5
1
0.5
0
−0.5
−1
−1.5
−2

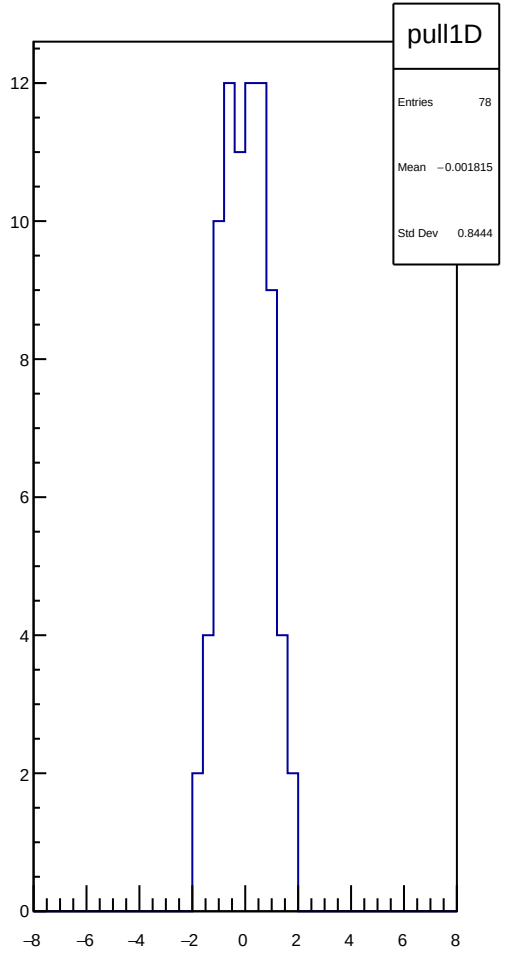

pull1D
Entries 78
Mean −0.003559
Std Dev 0.8431
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

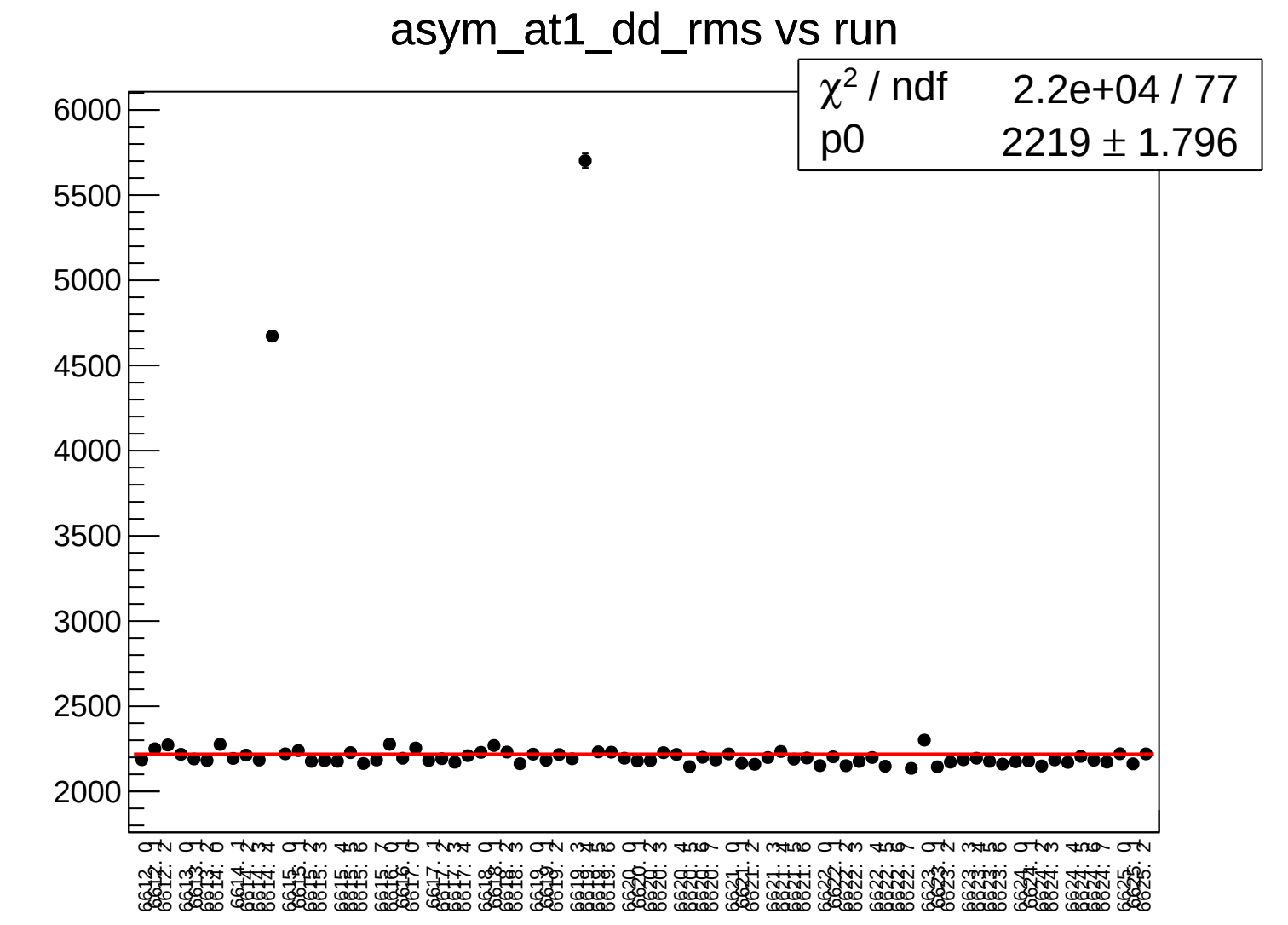

dit_asym_at1_dd_rms vs run
χ² / ndf 2.334e+04 / 77
p0 2097 ± 1.698
6000
5500
5000
4500
4000
3500
3000
2500
2000

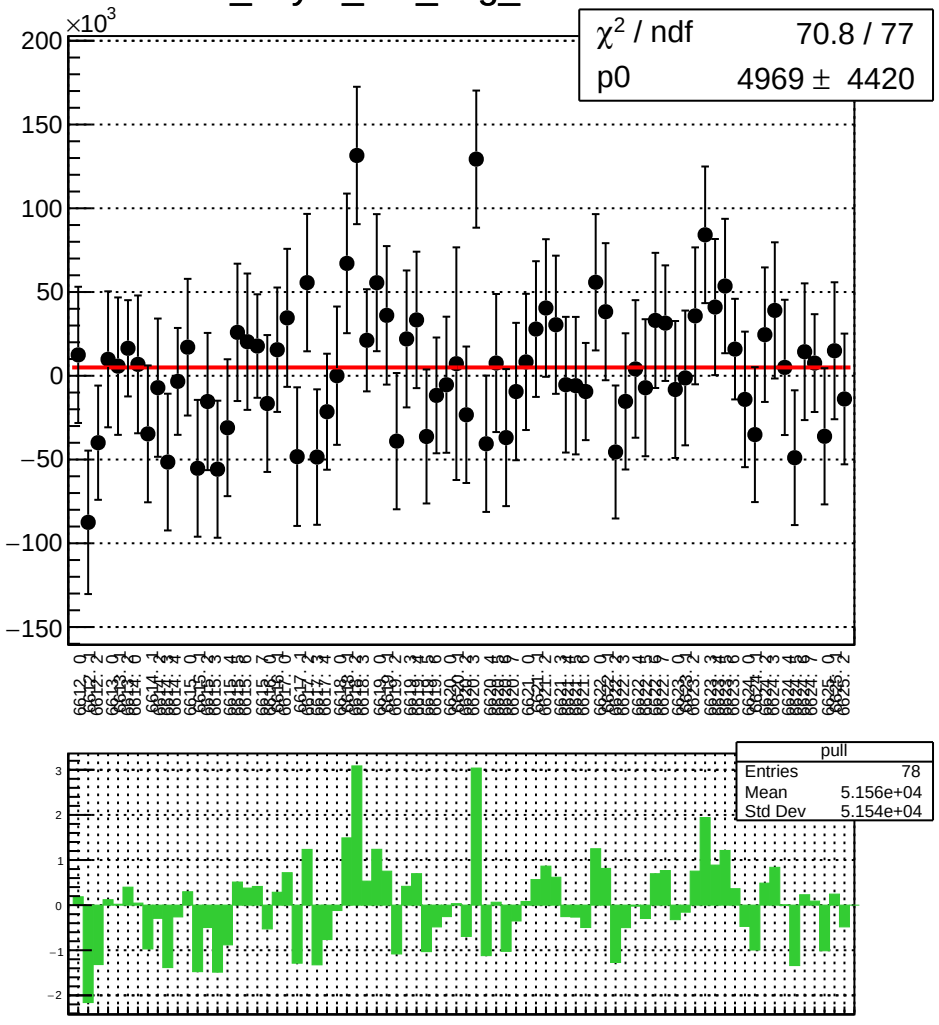

asym_at1_dd_correction_mean vs run
χ² / ndf 74.74 / 77
p0 −27.93 ± 825.7
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 78
Mean 56.15
Std Dev 46.56
2
1
0
−1
−2
pull1D
Entries 78
Mean −0.02203
Std Dev 0.9786
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

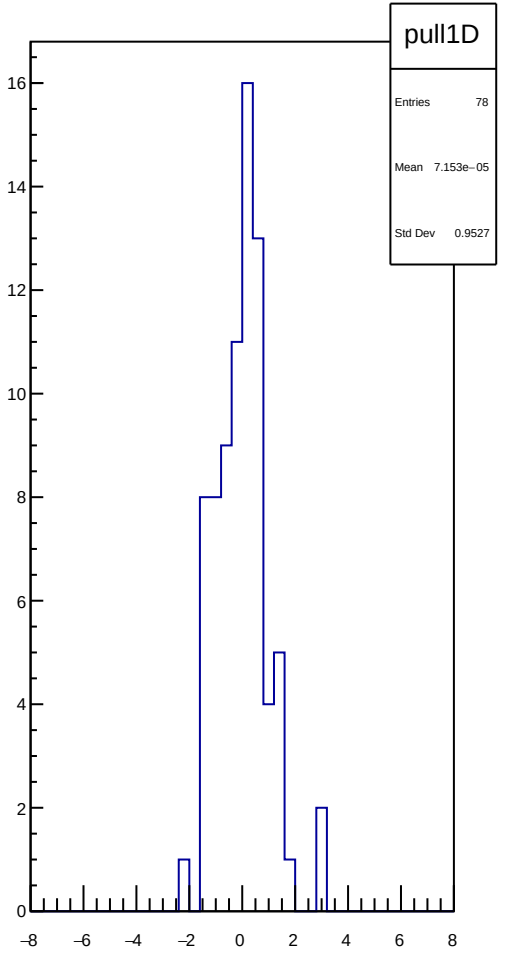

asym_at1_dd_correction_rms vs run
χ² / ndf 1.016e+04 / 77
p0 724 ± 0.5839
950
900
850
800
750
700
650
600

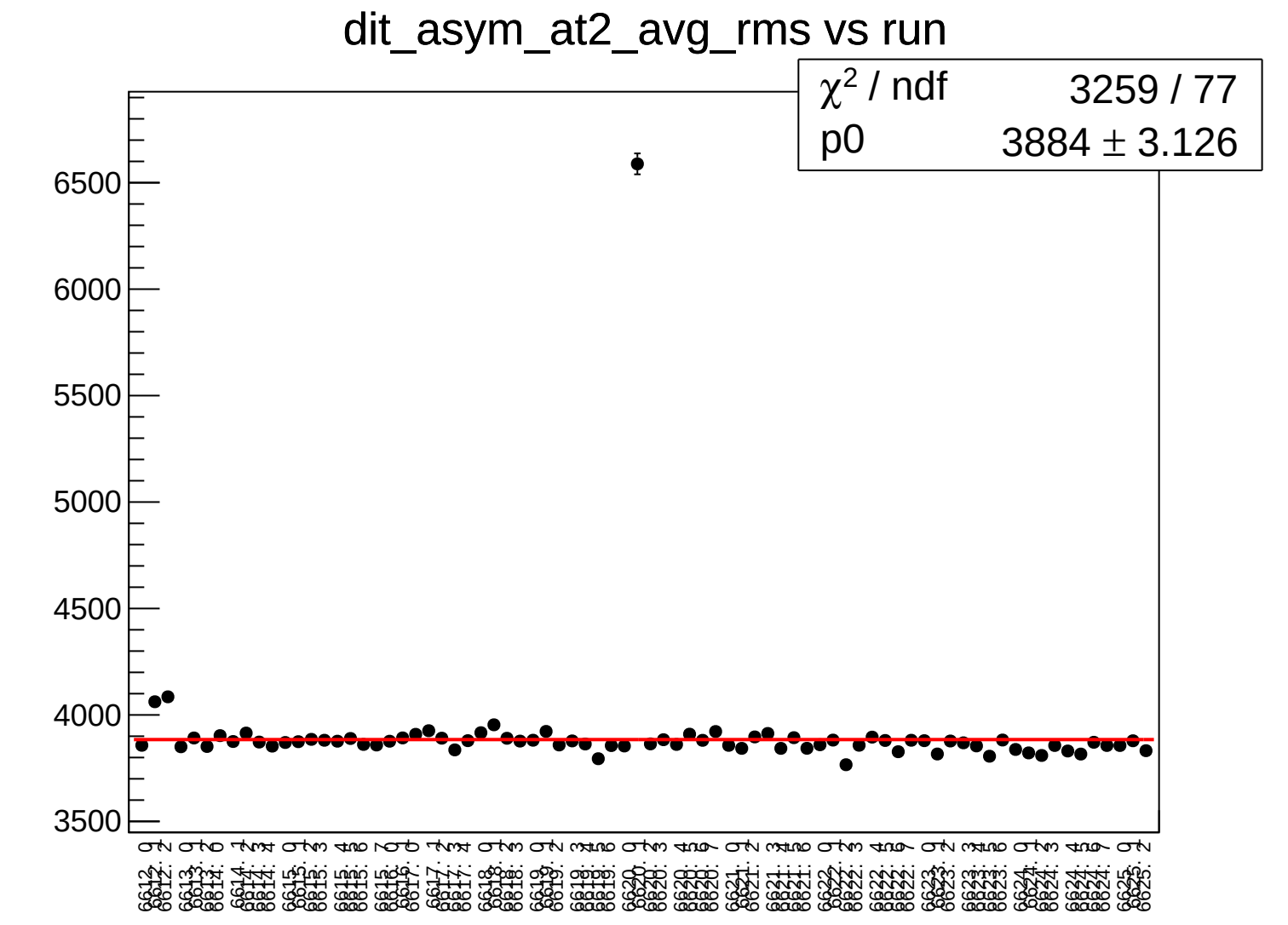

asym_at1_dd_mean vs run
×10^3
χ^2 / ndf 55.61 / 77
p0 2171 ± 2540
50
0
−50
−100
−150
pull
Entries 78
Mean 1197
Std Dev 1174
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

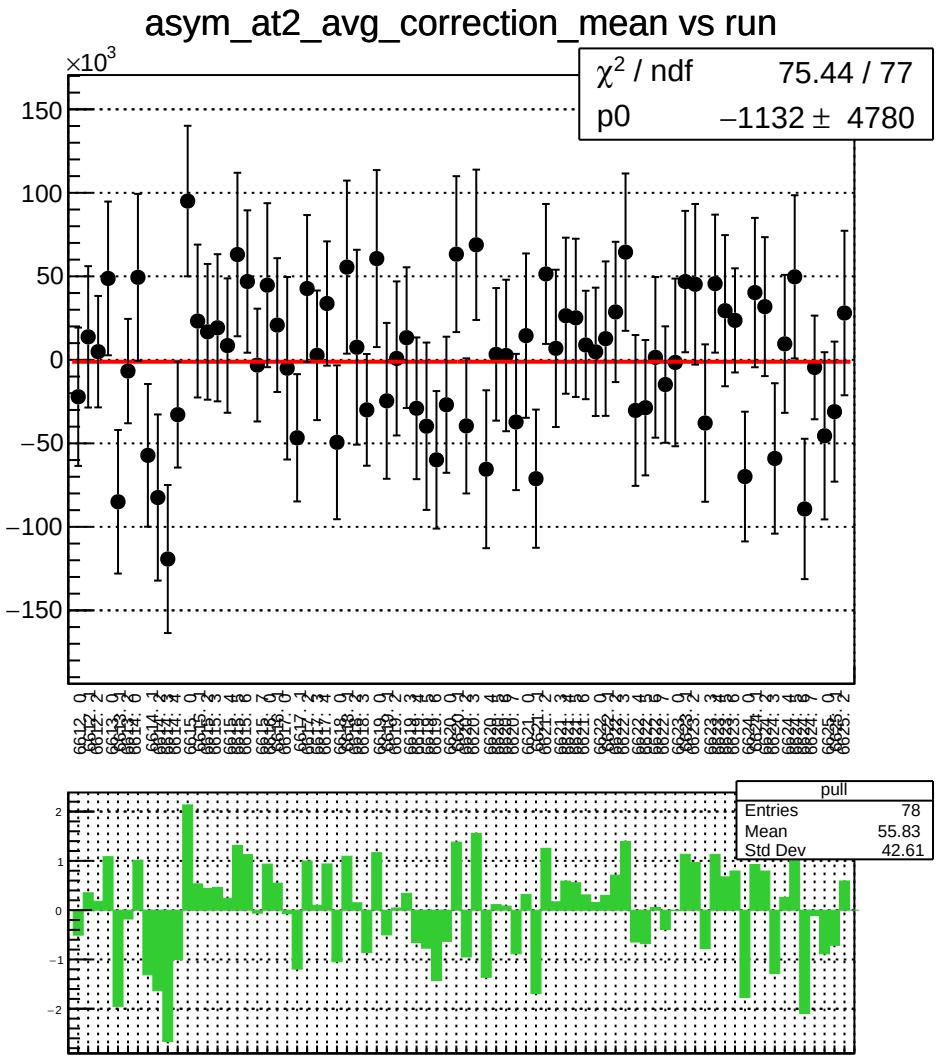

pull1D
Entries 78
Mean −0.001815
Std Dev 0.8444
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

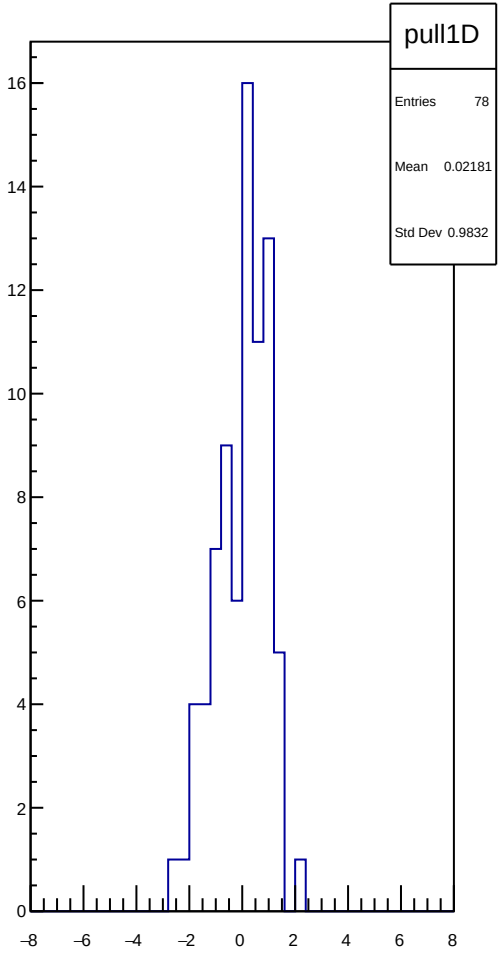

asym_at1_dd_rms vs run
χ^2 / ndf 2.2e+04 / 77
p0 2219 ± 1.796
6000
5500
5000
4500
4000
3500
3000
2500
2000

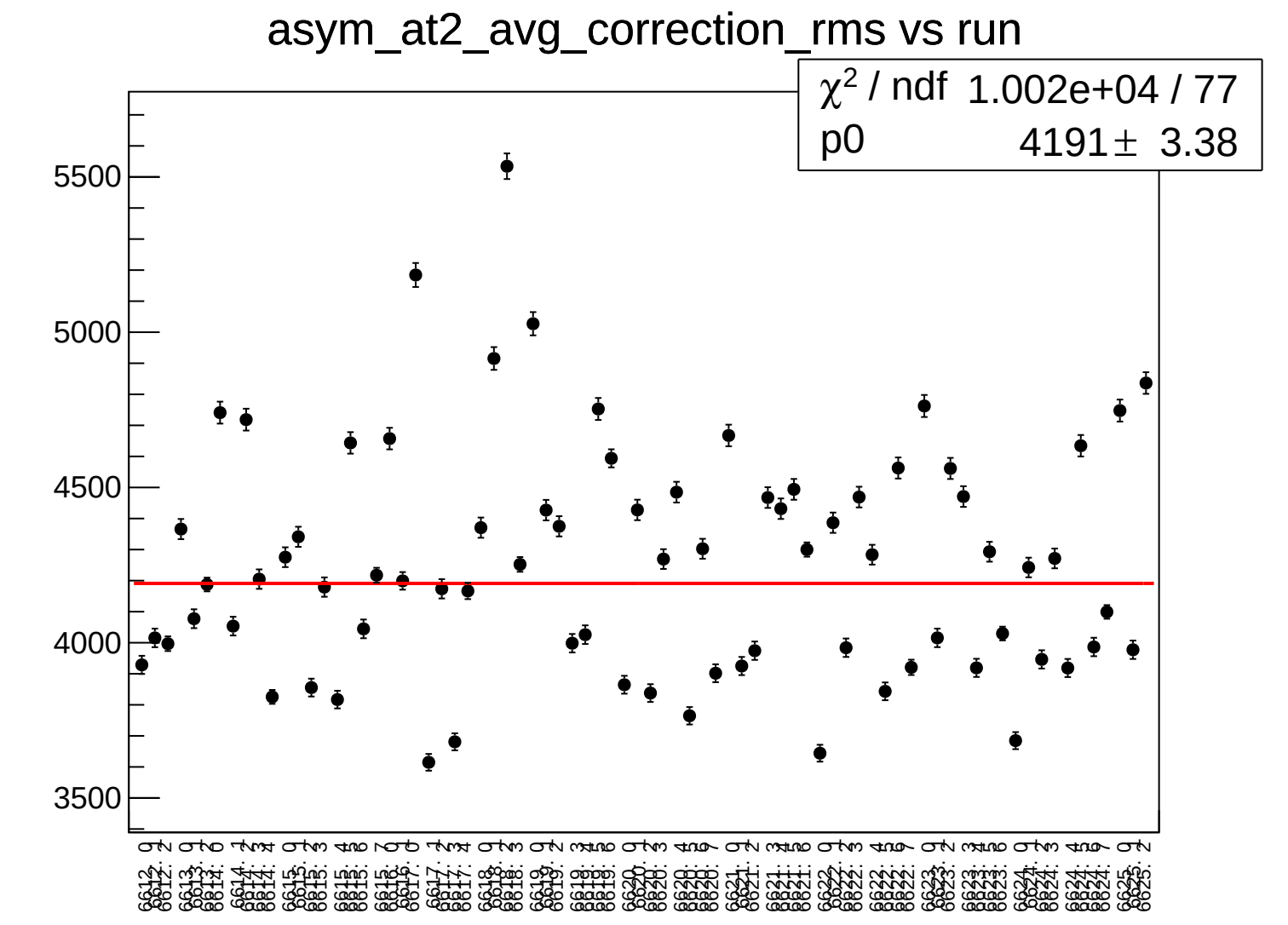

dit_asym_at2_avg_mean vs run
χ² / ndf 70.8 / 77
p0 4969 ± 4420
×10³
pull
Entries 78
Mean 5.156e+04
Std Dev 5.154e+04

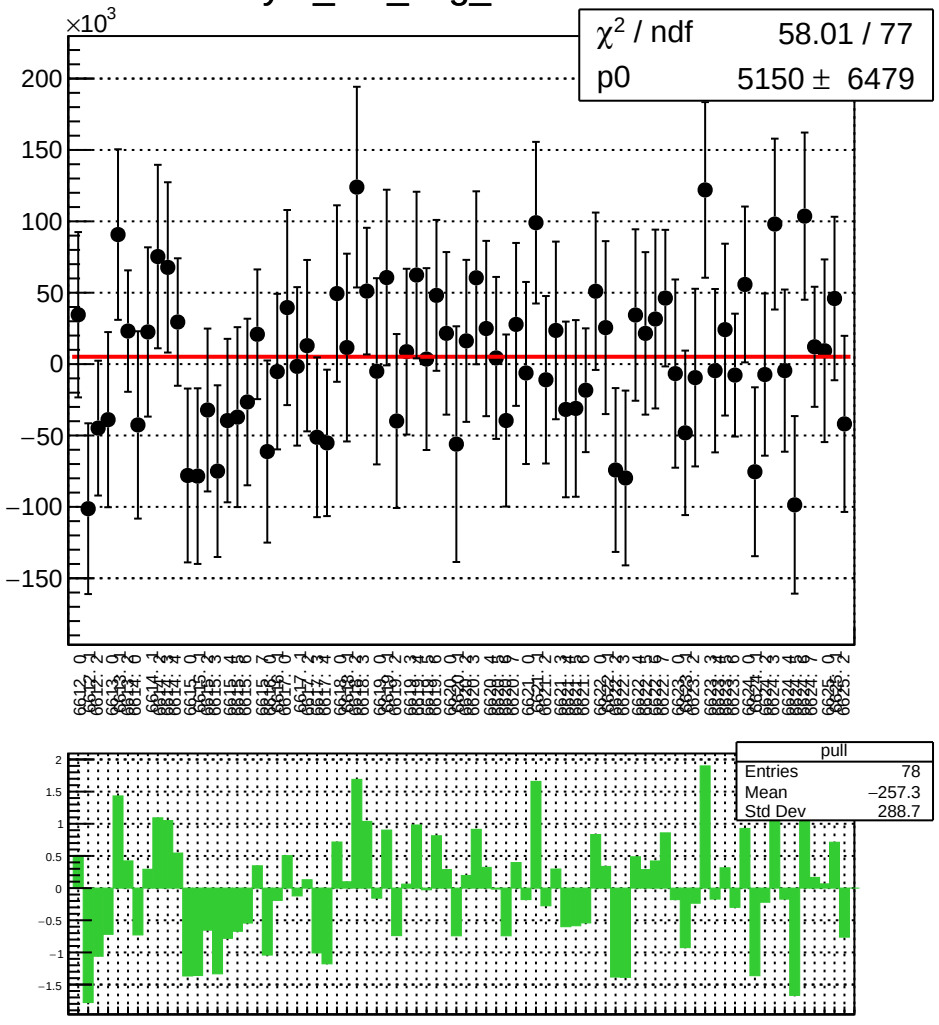

pull1D
Entries 78
Mean 7.153e−05
Std Dev 0.9527

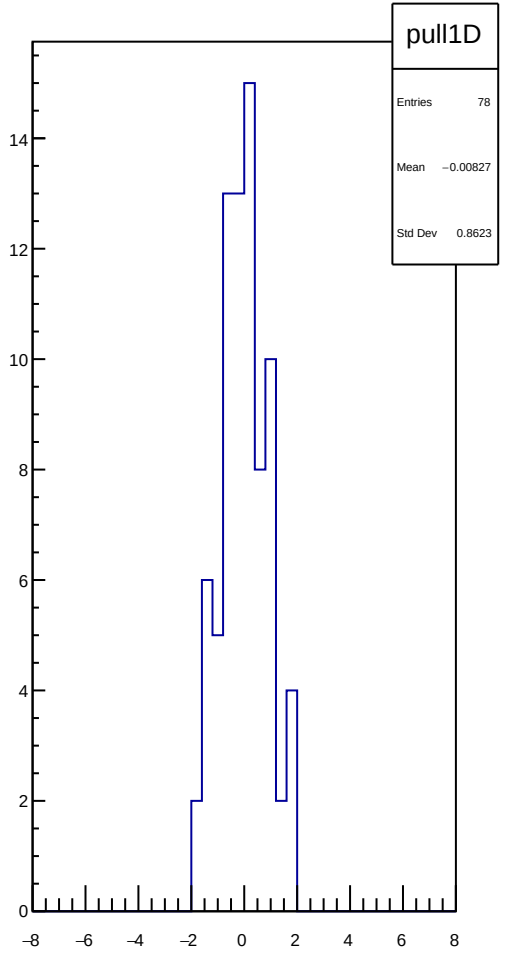

dit_asym_at2_avg_rms vs run
χ² / ndf 3259 / 77
p0 3884 ± 3.126
6500
6000
5500
5000
4500
4000
3500

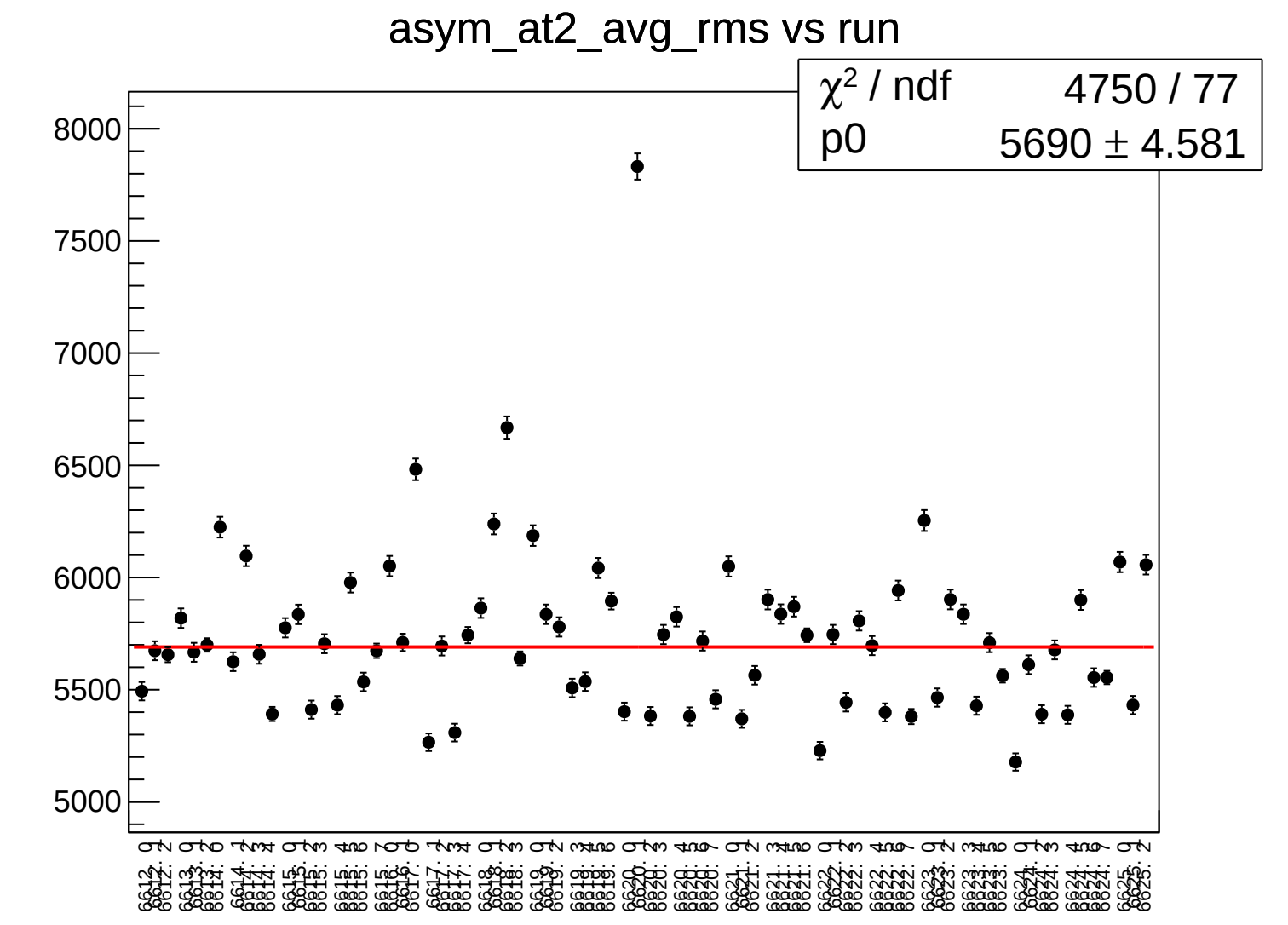

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 75.44 / 77
p0 −1132 ± 4780
150
100
50
0
−50
−100
−150
pull
Entries 78
Mean 55.83
Std Dev 42.61
2
1
0
−1
−2

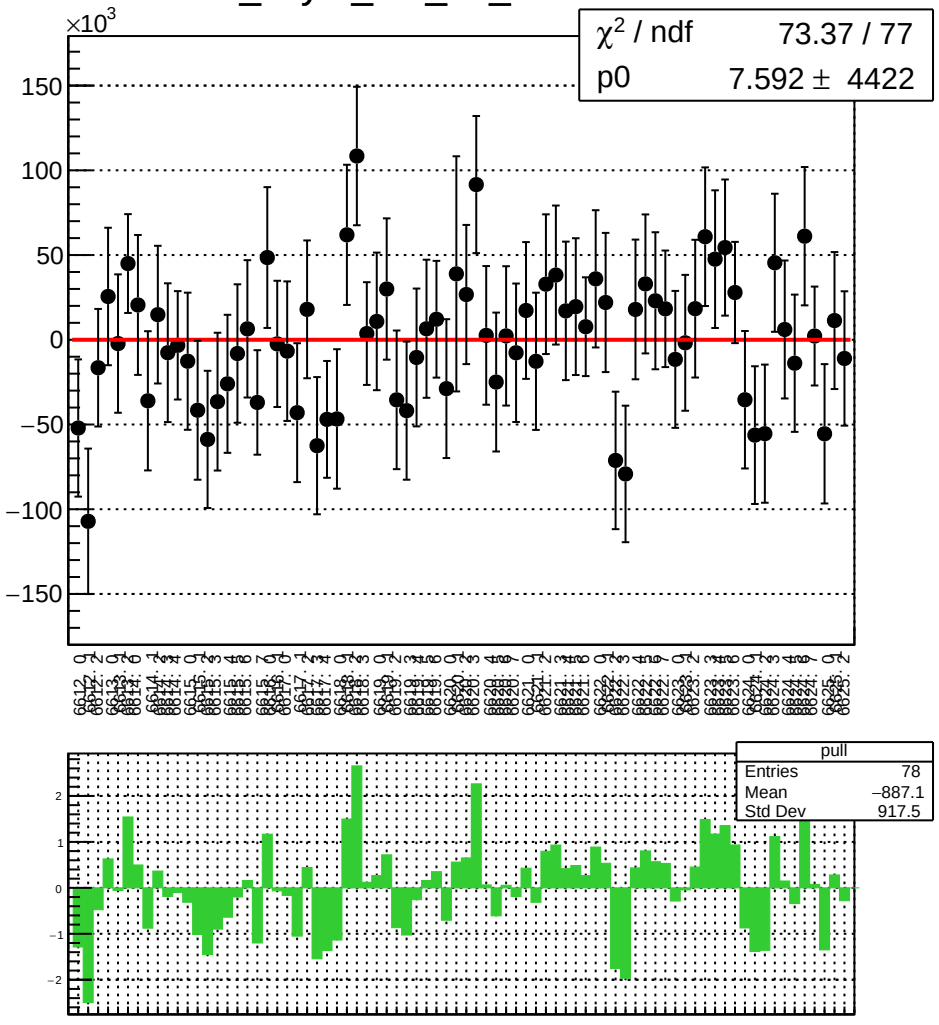

pull1D
Entries 78
Mean 0.02181
Std Dev 0.9832
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

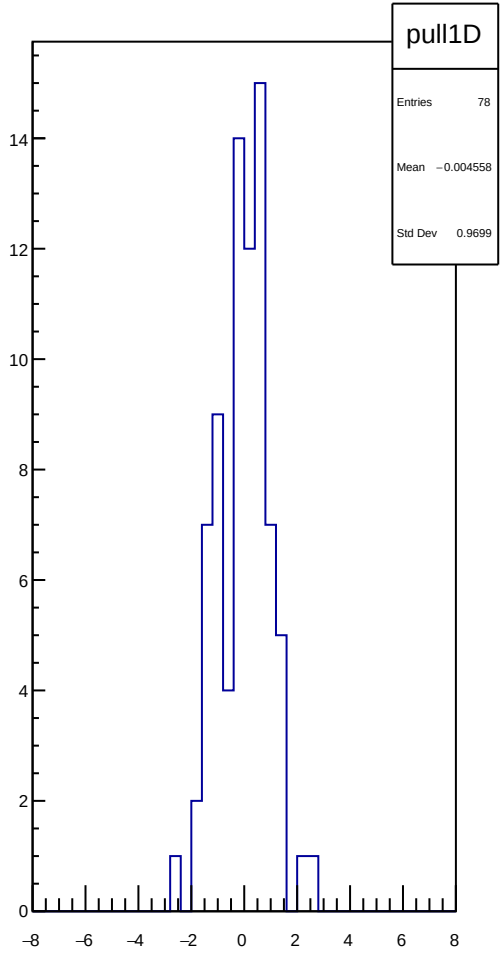

asym_at2_avg_correction_rms vs run
χ² / ndf 1.002e+04 / 77
p0 4191 ± 3.38
5500
5000
4500
4000
3500

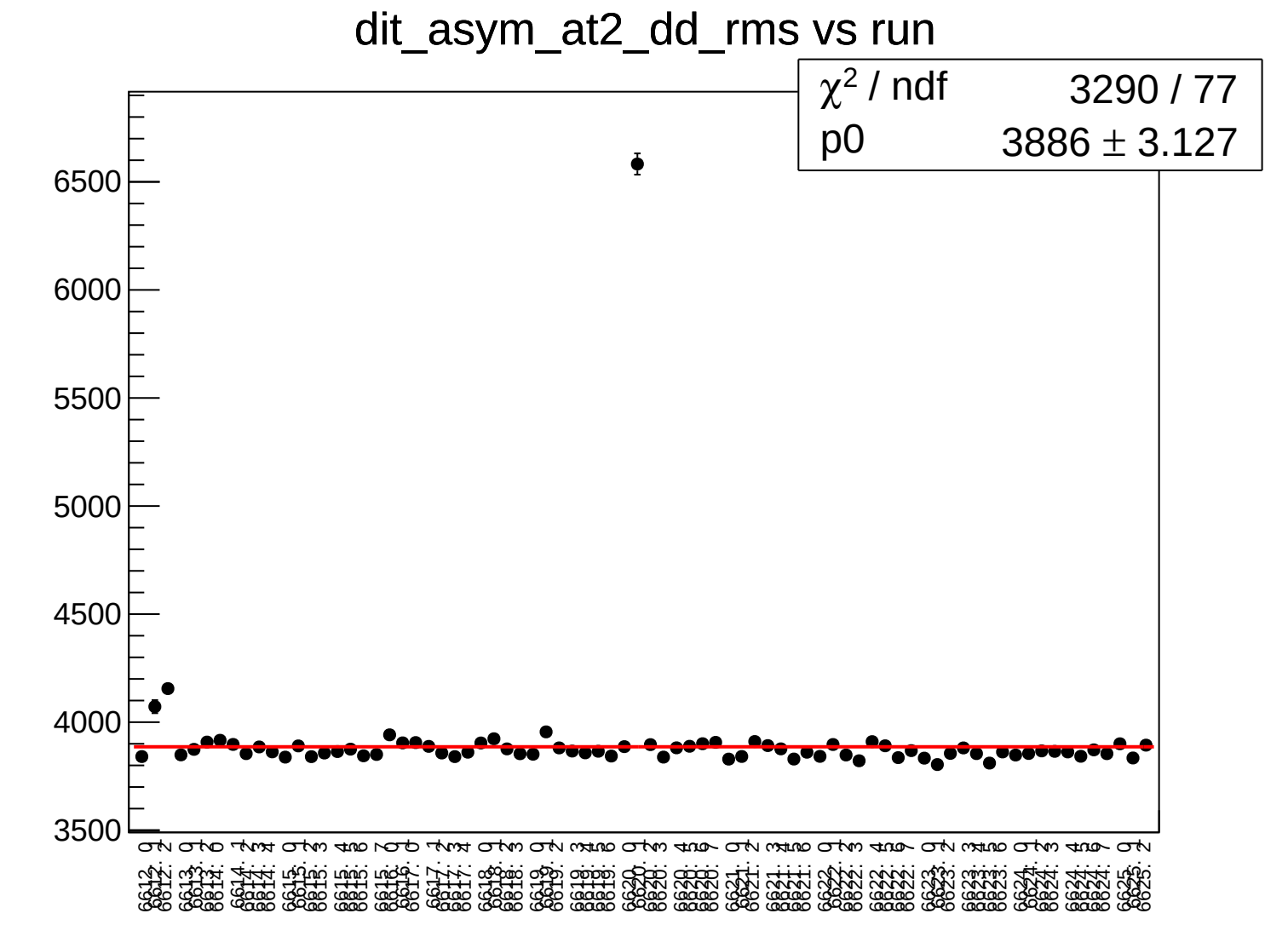

asym_at2_avg_mean vs run
×10^3
χ^2 / ndf 58.01 / 77
p0 5150 ± 6479
pull
Entries 78
Mean −257.3
Std Dev 288.7

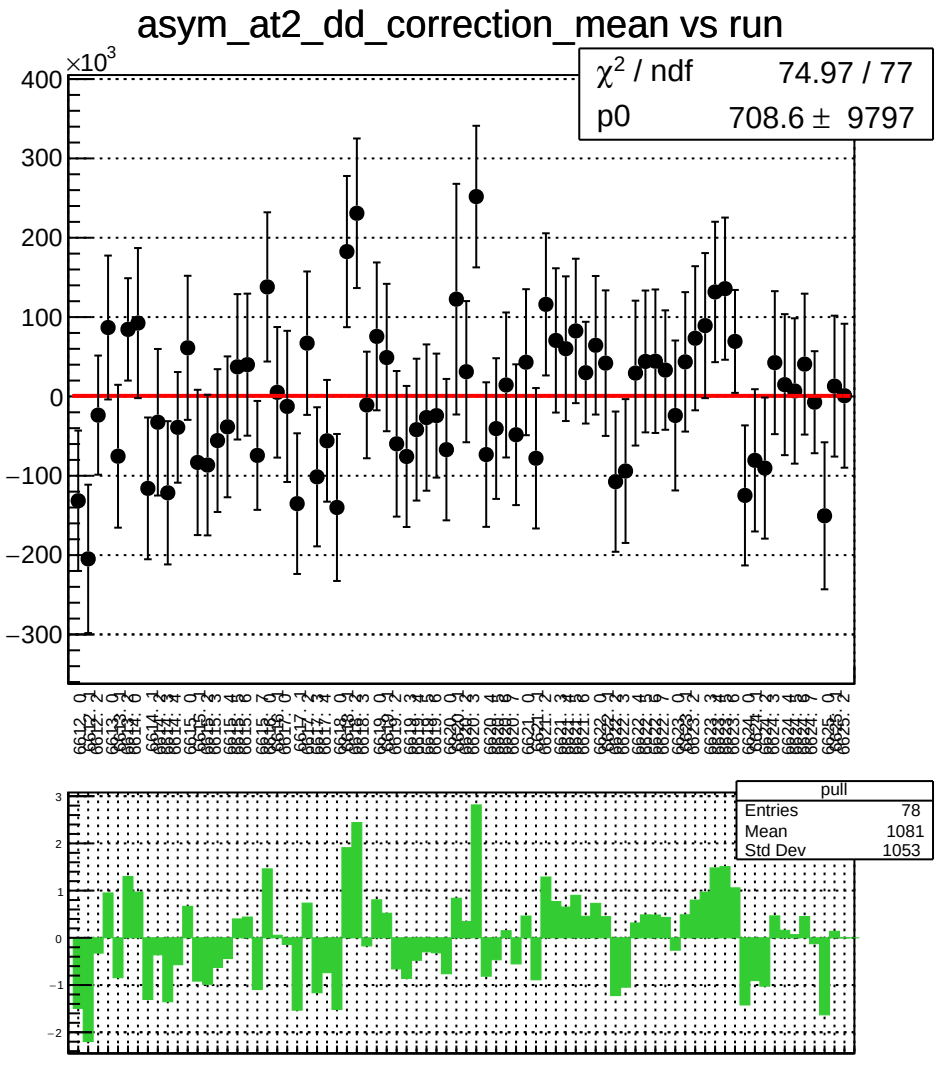

pull1D
Entries 78
Mean −0.00827
Std Dev 0.8623

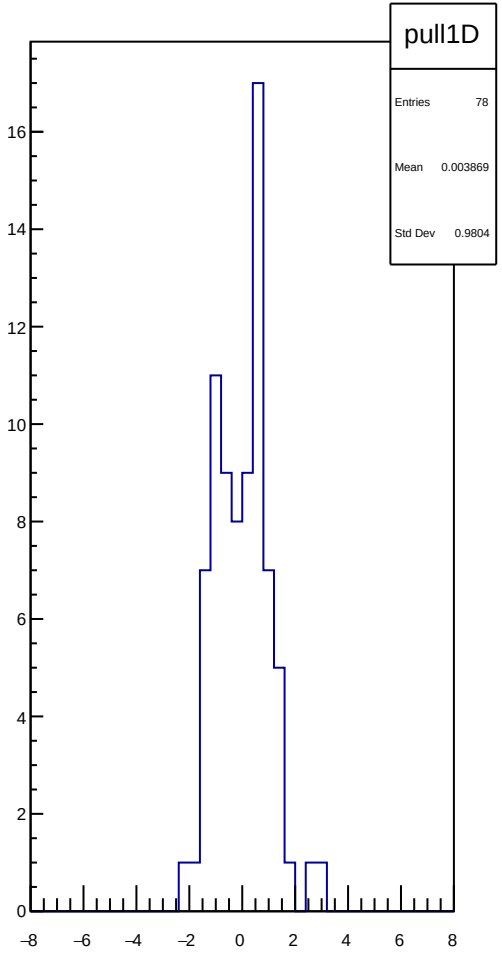

asym_at2_avg_rms vs run
χ² / ndf 4750 / 77
p0 5690 ± 4.581
8000
7500
7000
6500
6000
5500
5000

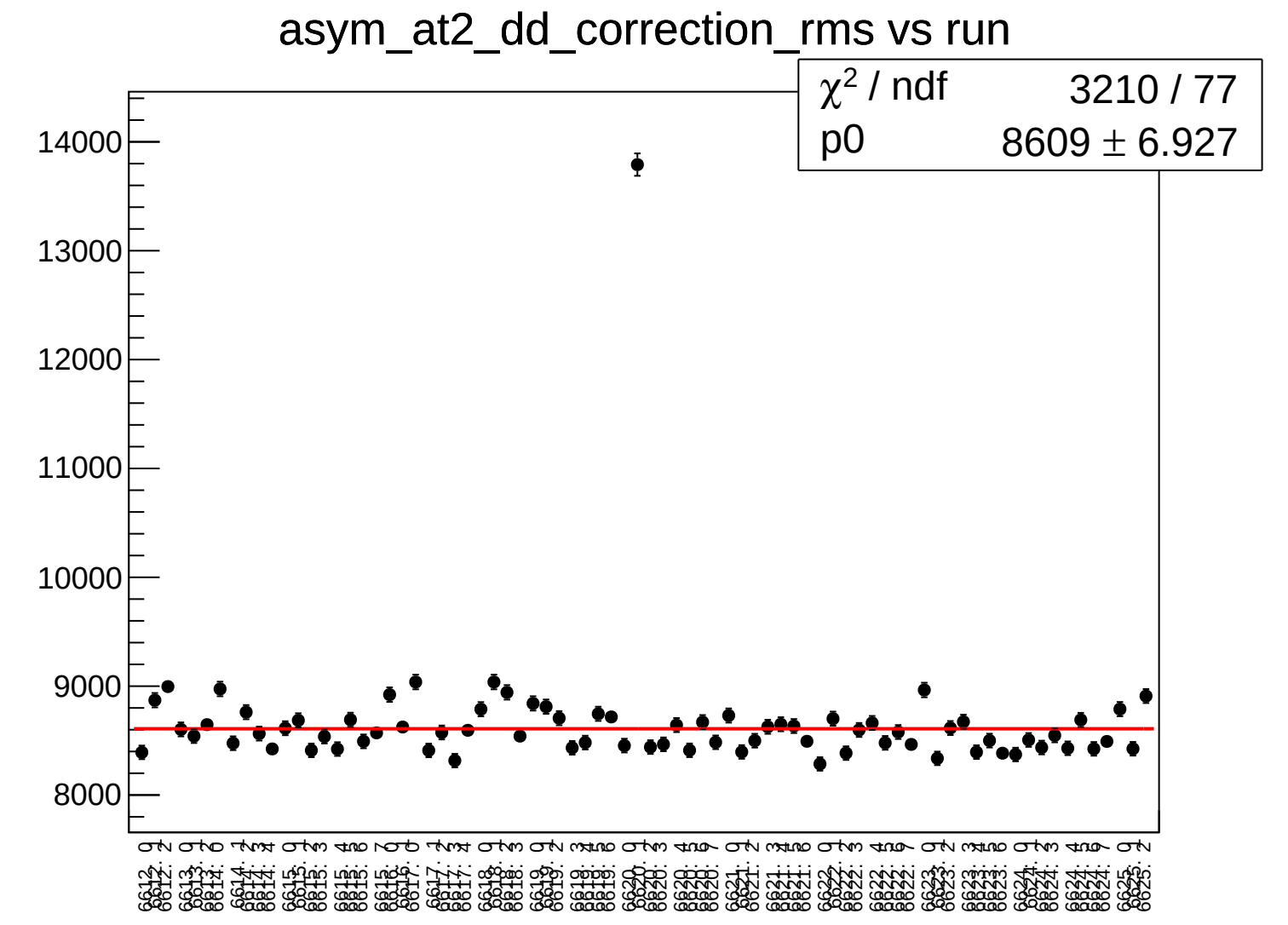

dit_asym_at2_dd_mean vs run
×10^3
χ² / ndf 73.37 / 77
p0 7.592 ± 4422
150
100
50
0
−50
−100
−150
pull
Entries 78
Mean −887.1
Std Dev 917.5
2
1
0
−1
−2

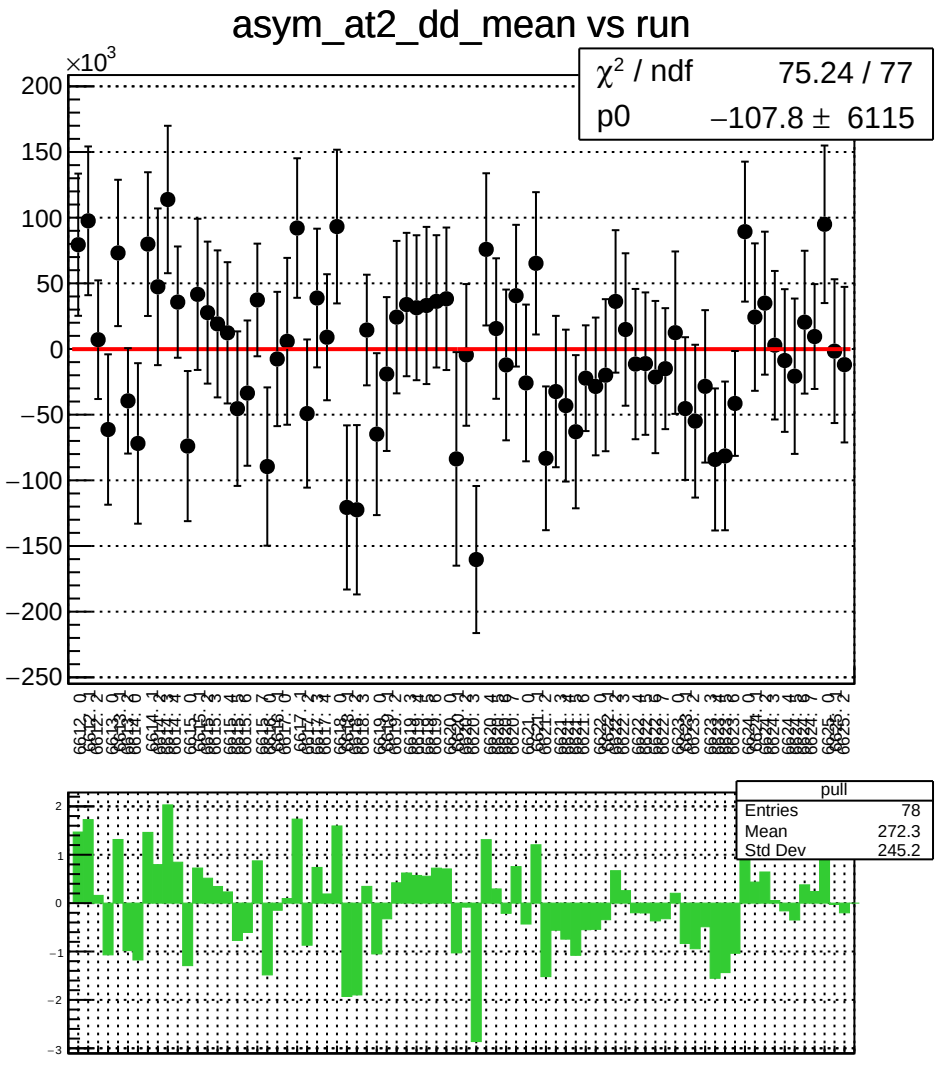

pull1D
Entries 78
Mean −0.004558
Std Dev 0.9699
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

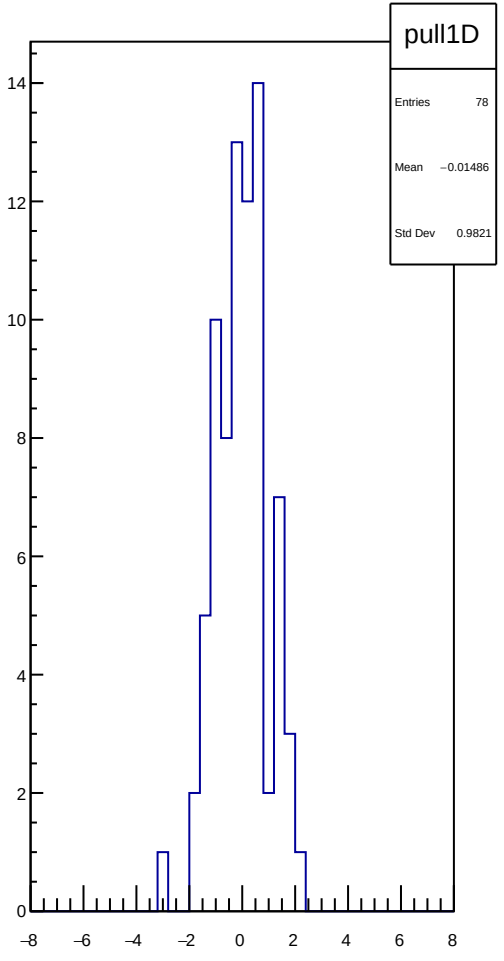

dit_asym_at2_dd_rms vs run
χ² / ndf 3290 / 77
p0 3886 ± 3.127
6500
6000
5500
5000
4500
4000
3500

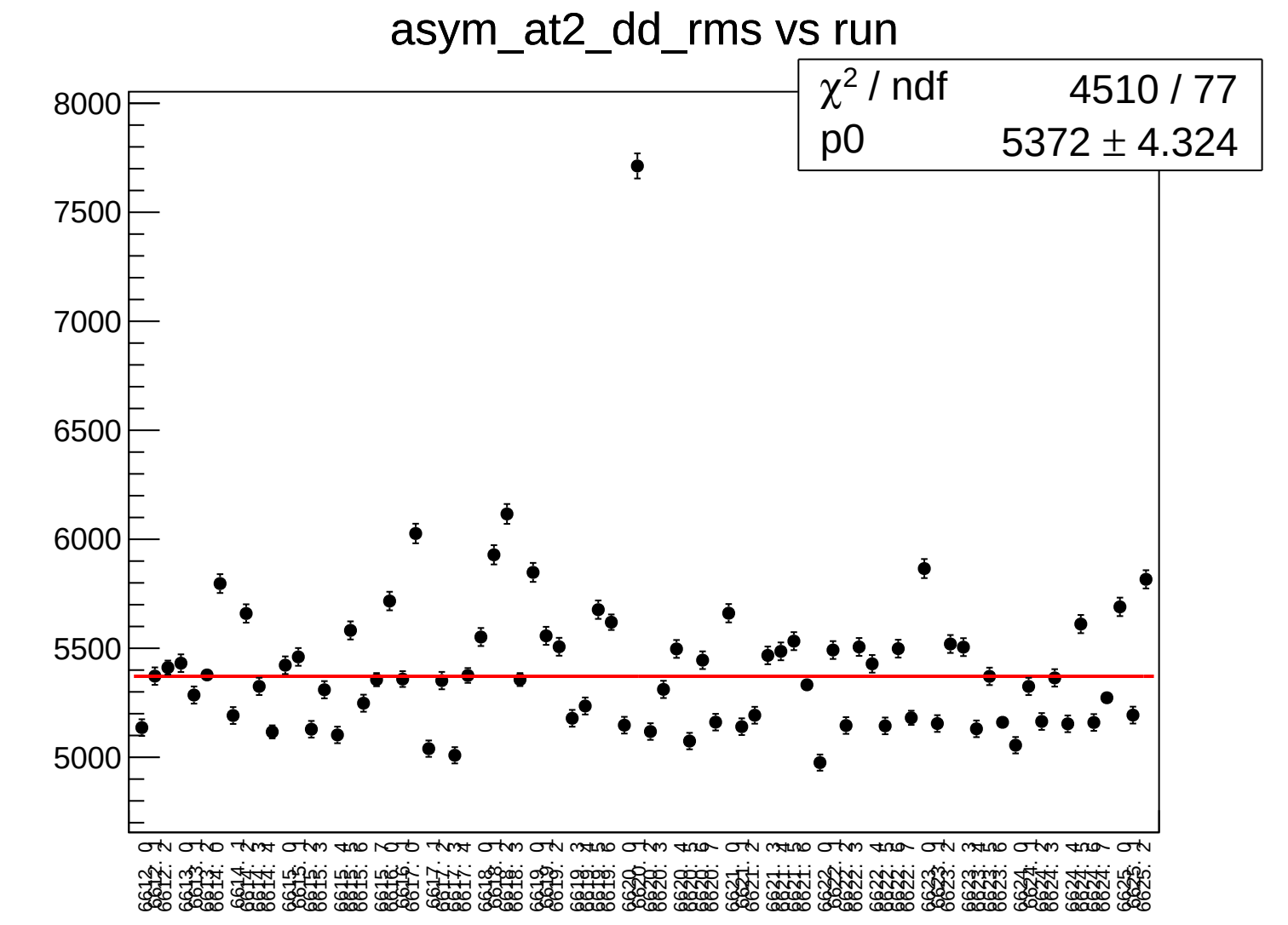

asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 74.97 / 77
p0 708.6 ± 9797
pull
Entries 78
Mean 1081
Std Dev 1053

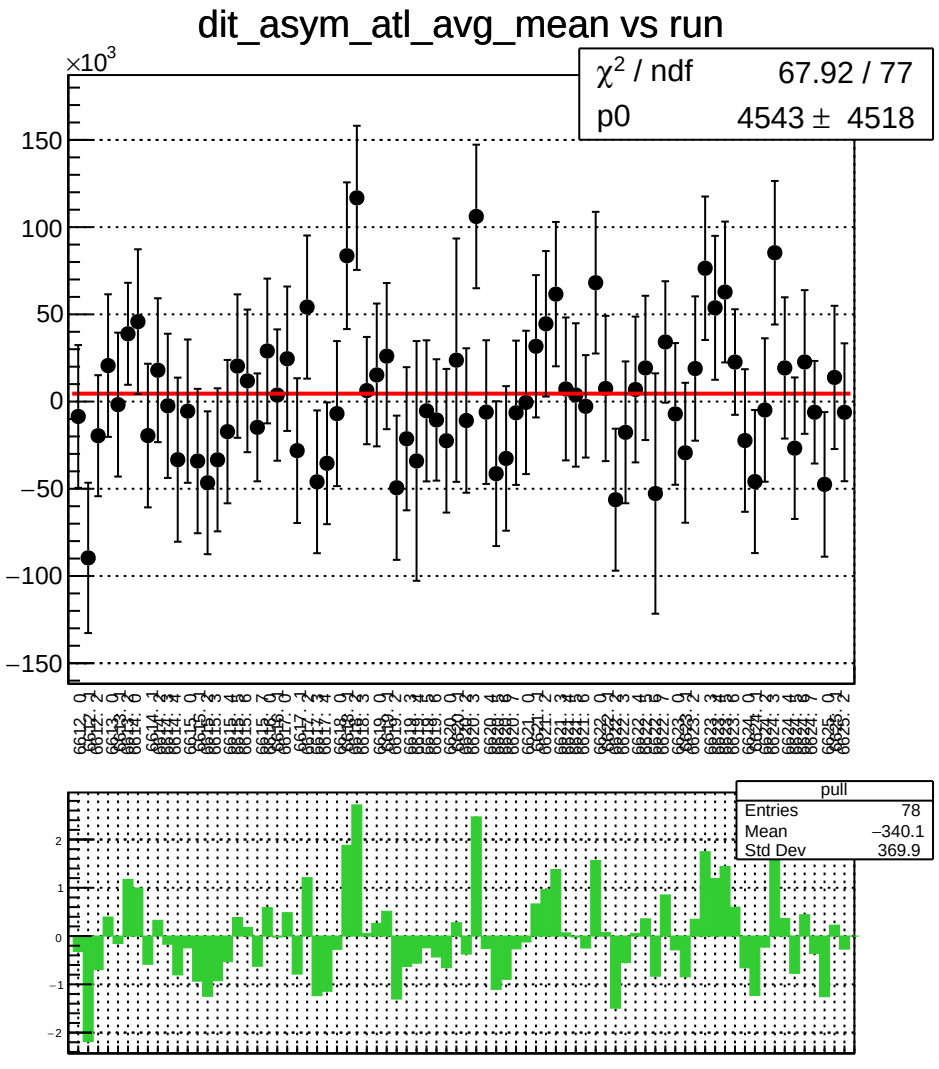

pull1D
Entries 78
Mean 0.003869
Std Dev 0.9804

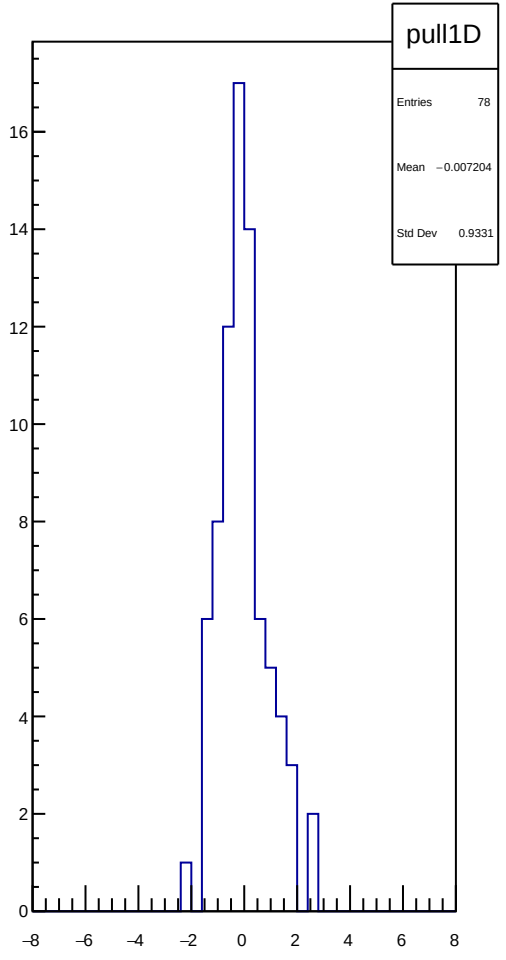

asym_at2_dd_correction_rms vs run
χ² / ndf 3210 / 77
p0 8609 ± 6.927
14000
13000
12000
11000
10000
9000
8000

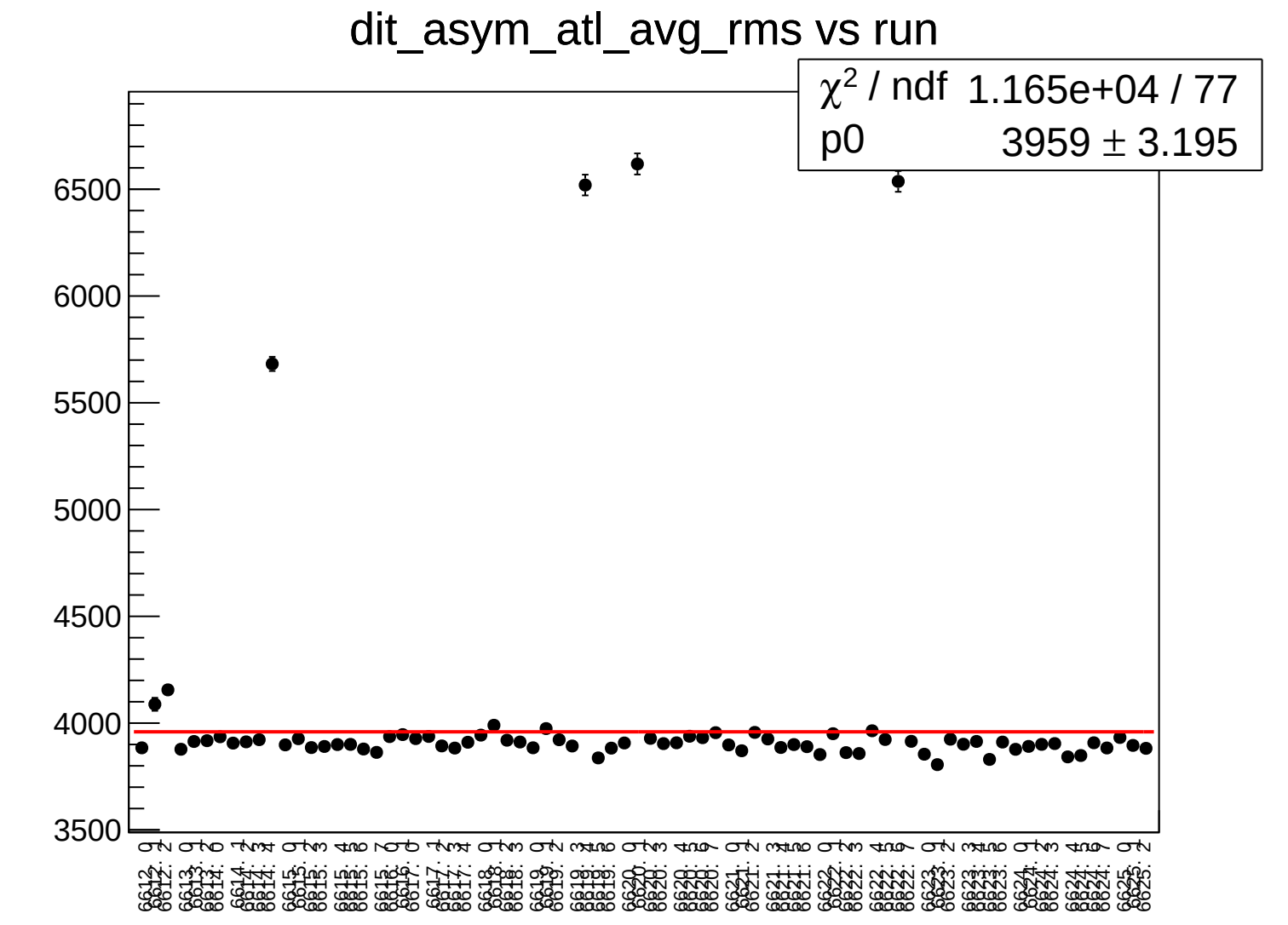

asym_at2_dd_mean vs run
×10^3
χ² / ndf 75.24 / 77
p0 −107.8 ± 6115
pull
Entries 78
Mean 272.3
Std Dev 245.2

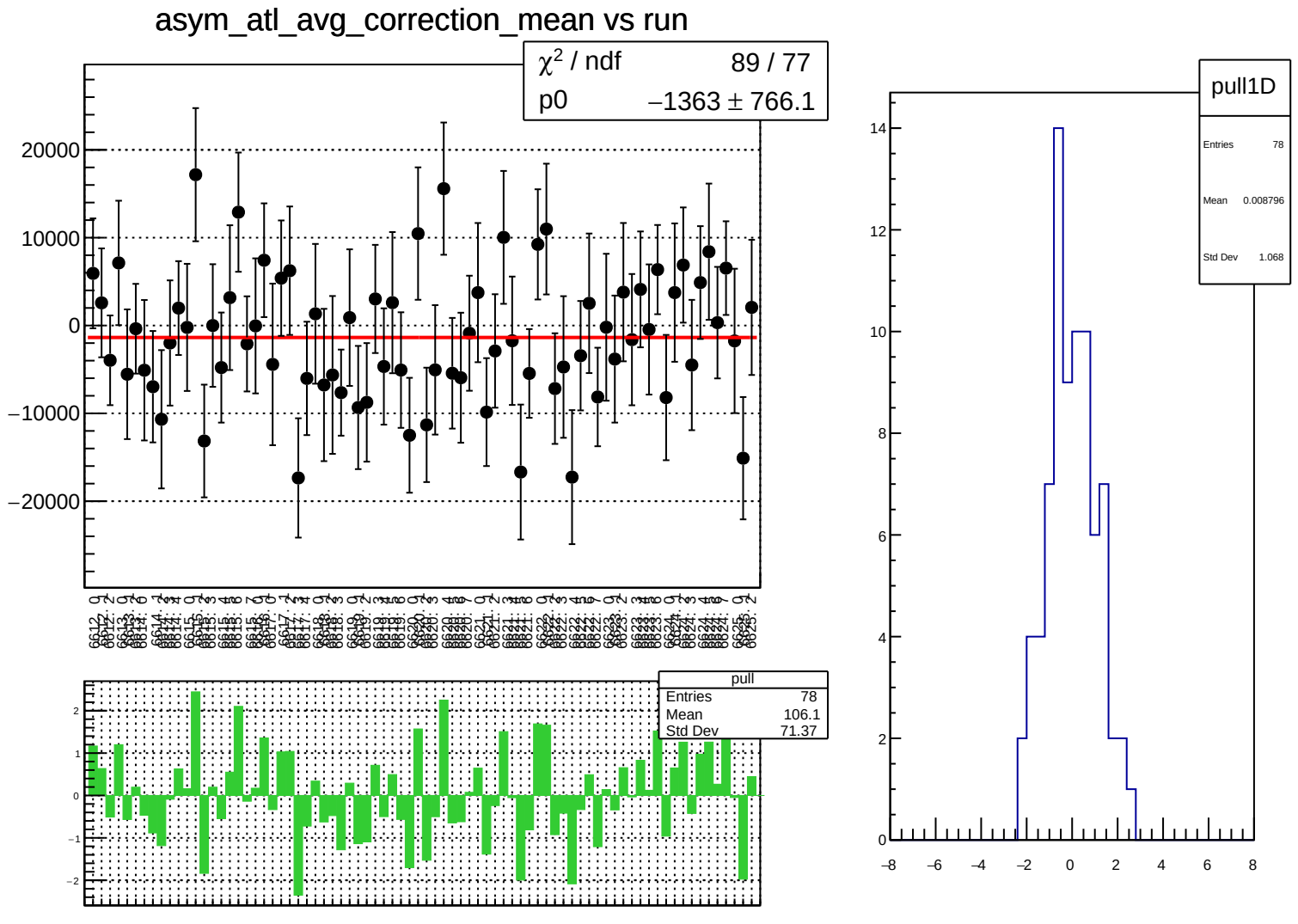

pull1D
Entries 78
Mean −0.01486
Std Dev 0.9821

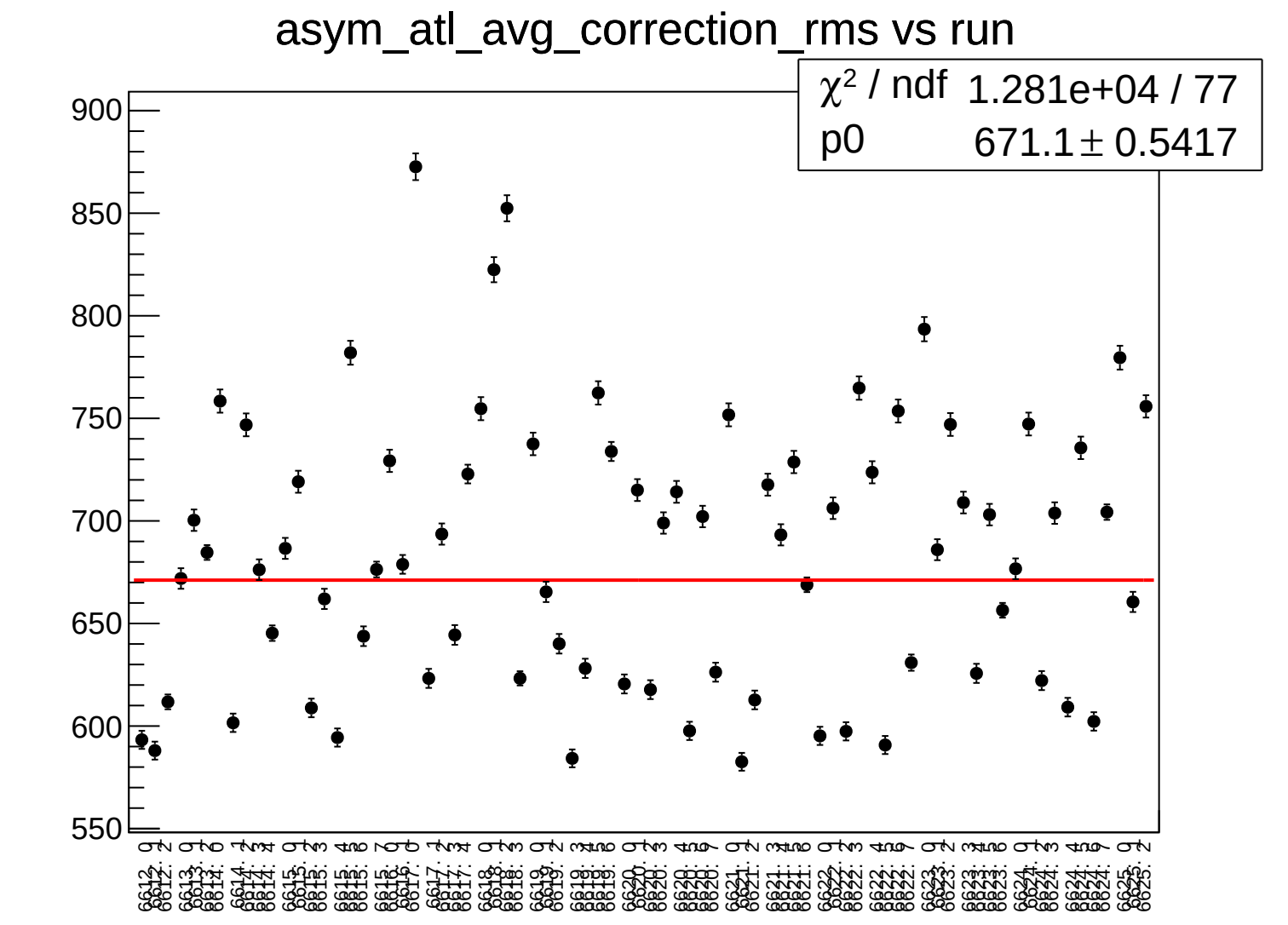

asym_at2_dd_rms vs run
χ² / ndf 4510 / 77
p0 5372 ± 4.324
8000
7500
7000
6500
6000
5500
5000

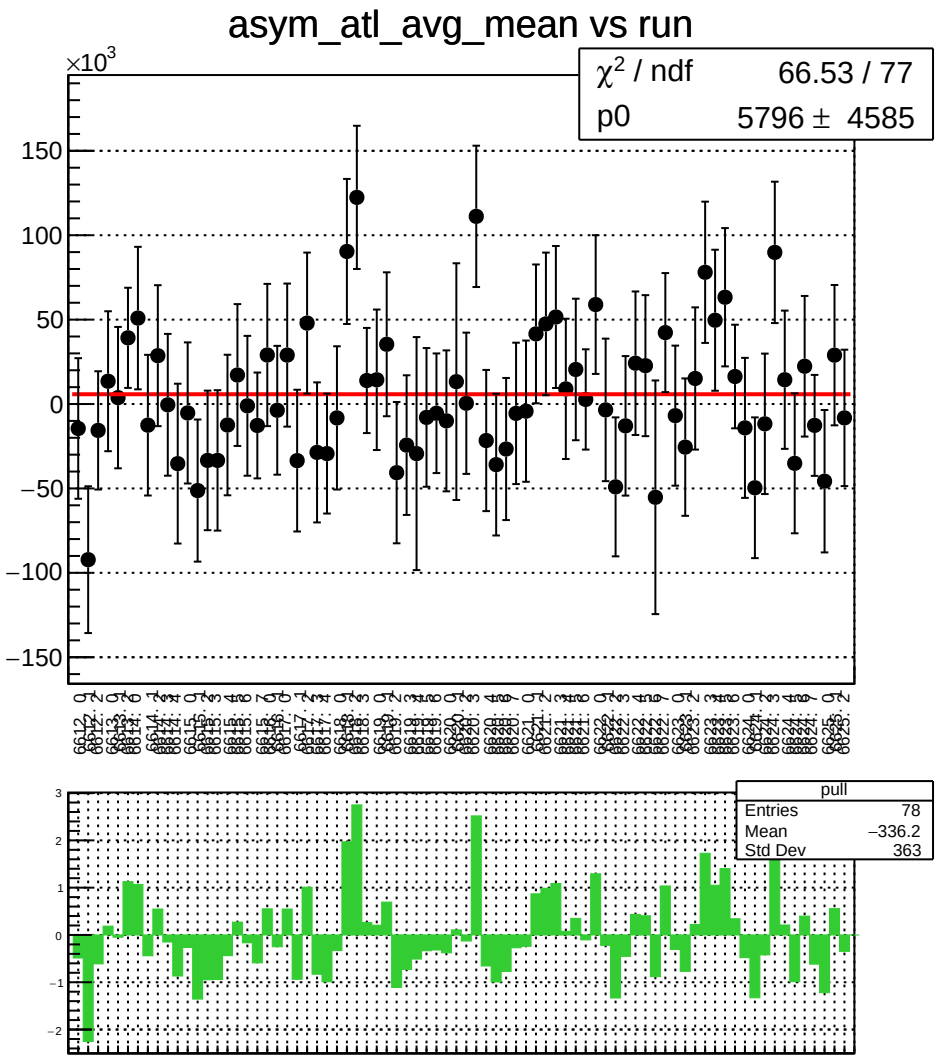

dit_asym_atl_avg_mean vs run
×10^3
χ^2 / ndf 67.92 / 77
p0 4543 ± 4518
150
100
50
0
−50
−100
−150
pull
Entries 78
Mean −340.1
Std Dev 369.9
2
1
0
−1
−2

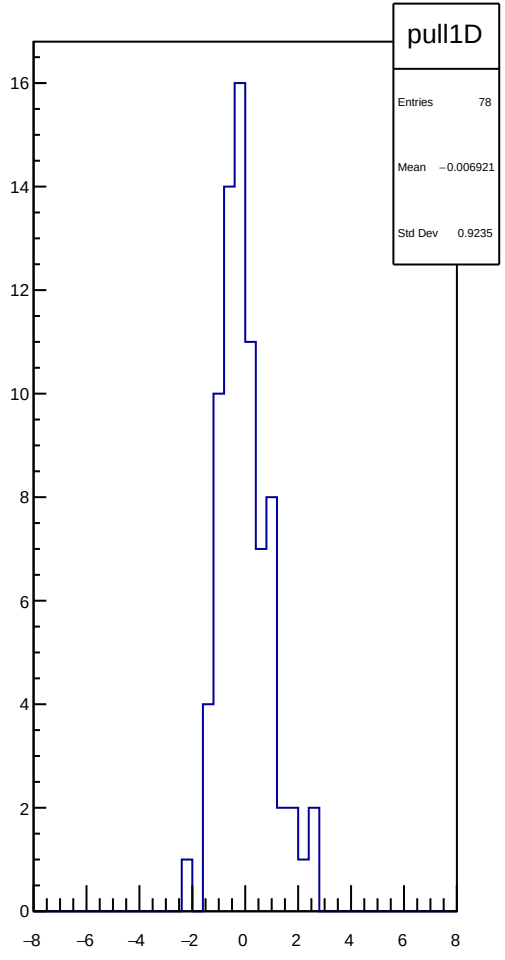

pull1D
Entries 78
Mean −0.007204
Std Dev 0.9331
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

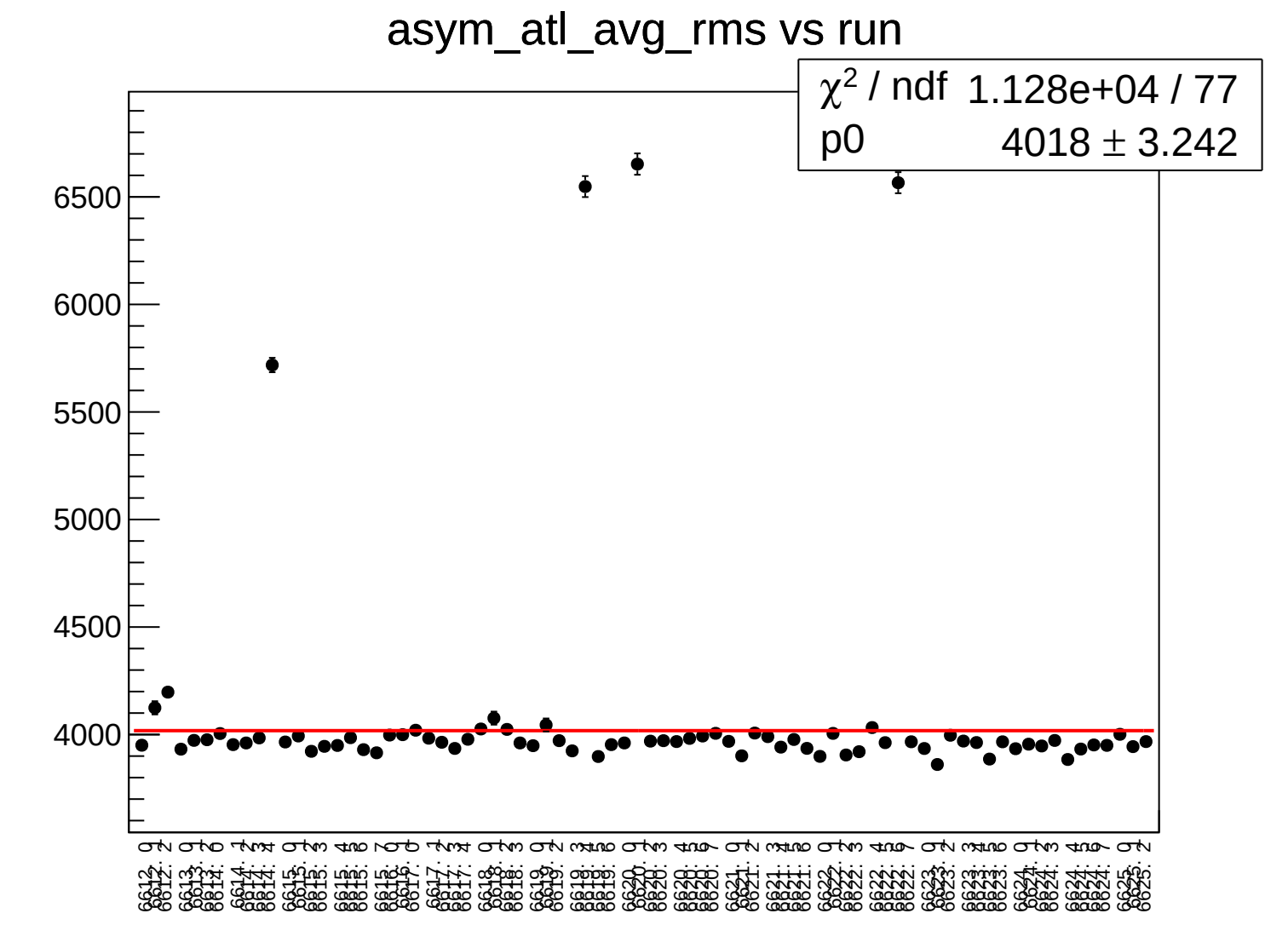

dit_asym_atl_avg_rms vs run
χ² / ndf 1.165e+04 / 77
p0 3959 ± 3.195
6500
6000
5500
5000
4500
4000
3500

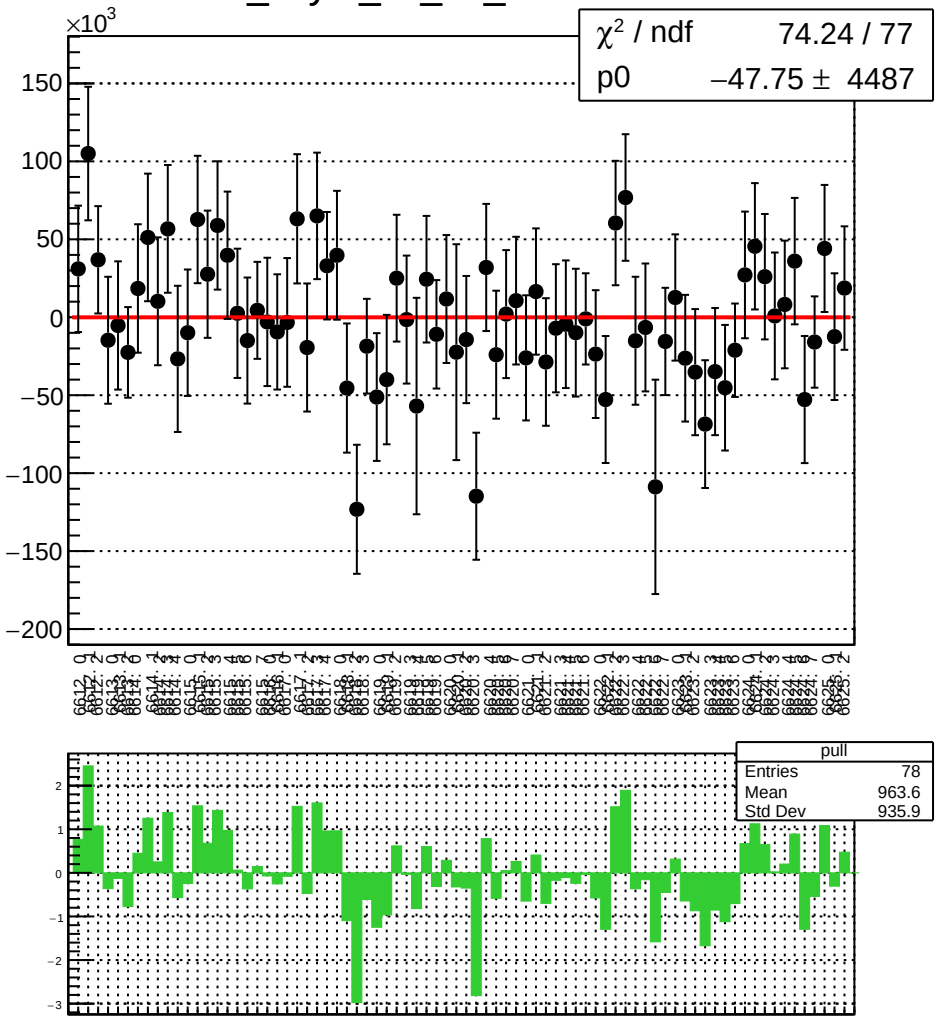

asym_atl_avg_correction_mean vs run
χ² / ndf 89 / 77
p0 −1363 ± 766.1
20000
10000
0
−10000
−20000
pull
Entries 78
Mean 106.1
Std Dev 71.37
2
1
0
−1
−2
pull1D
Entries 78
Mean 0.008796
Std Dev 1.068
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

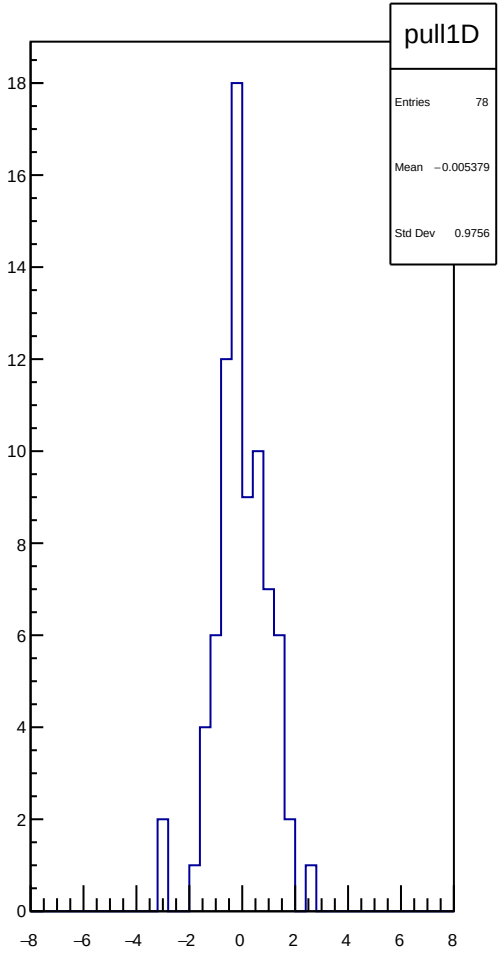

asym_atl_avg_correction_rms vs run
χ² / ndf 1.281e+04 / 77
p0 671.1 ± 0.5417
900
850
800
750
700
650
600
550

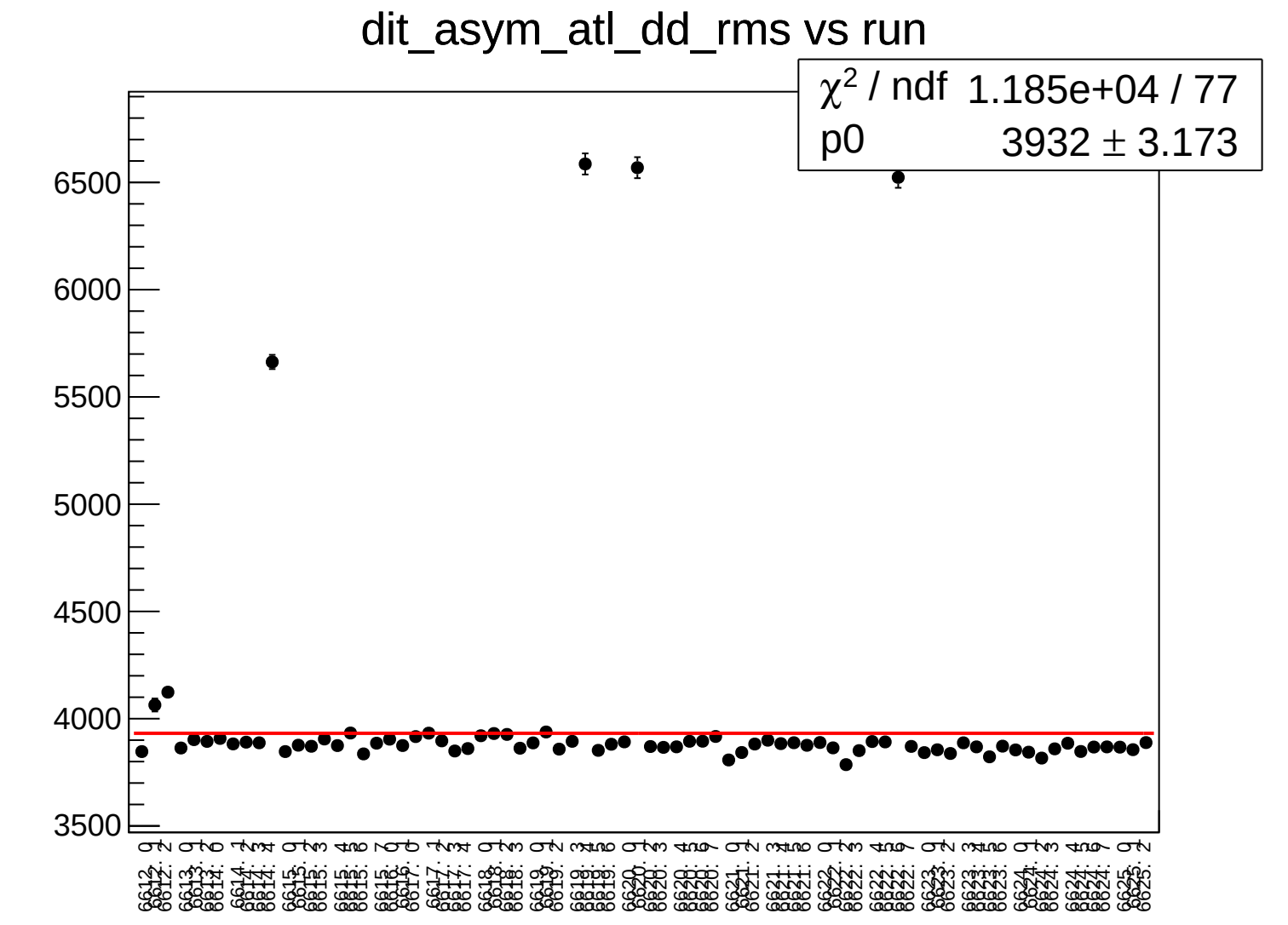

asym_atl_avg_mean vs run
χ² / ndf 66.53 / 77
p0 5796 ± 4585
×10³
150
100
50
0
−50
−100
−150
pull
Entries 78
Mean −336.2
Std Dev 363
3
2
1
0
−1
−2

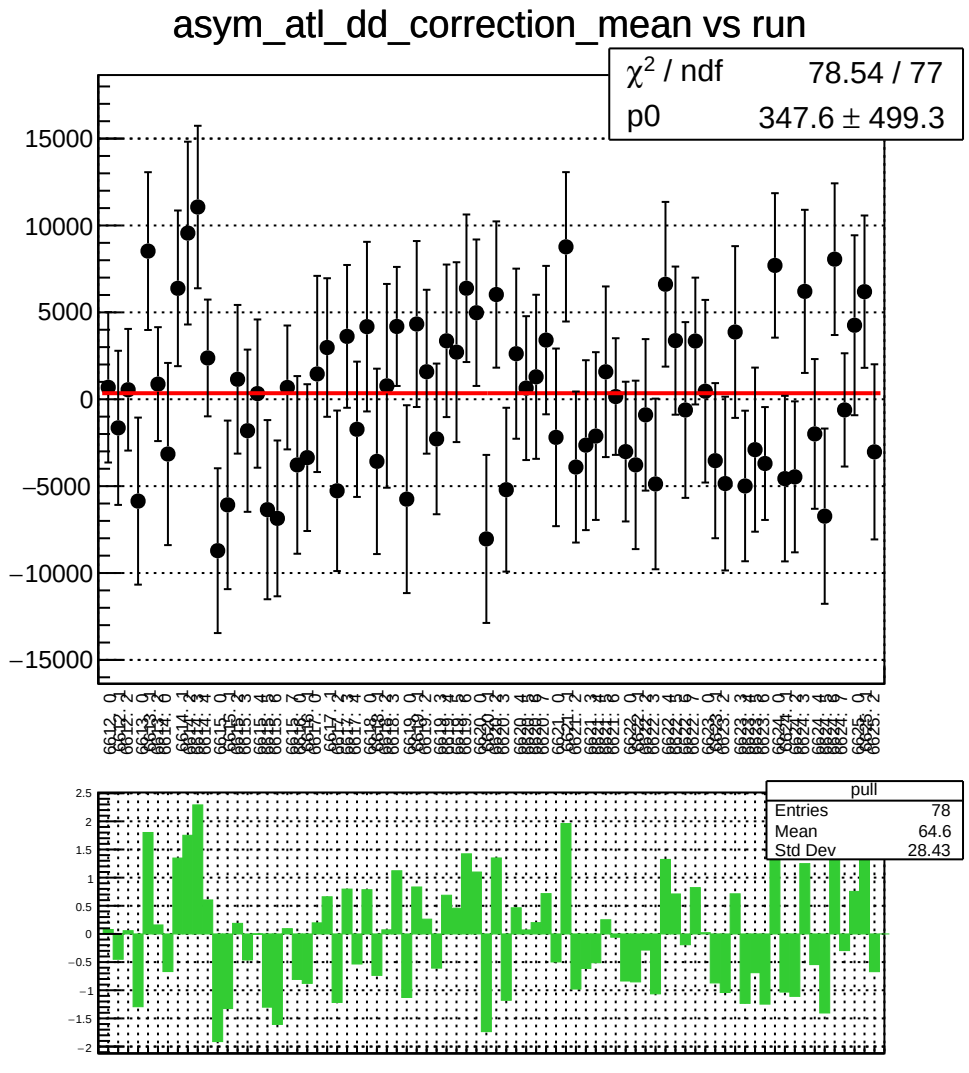

pull1D
Entries 78
Mean −0.006921
Std Dev 0.9235
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

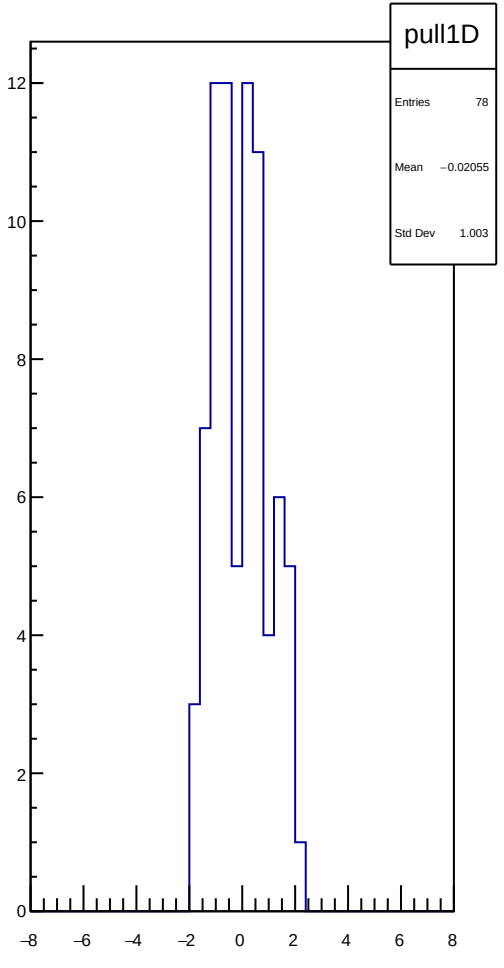

asym_atl_avg_rms vs run
χ² / ndf 1.128e+04 / 77
p0 4018 ± 3.242
6500
6000
5500
5000
4500
4000

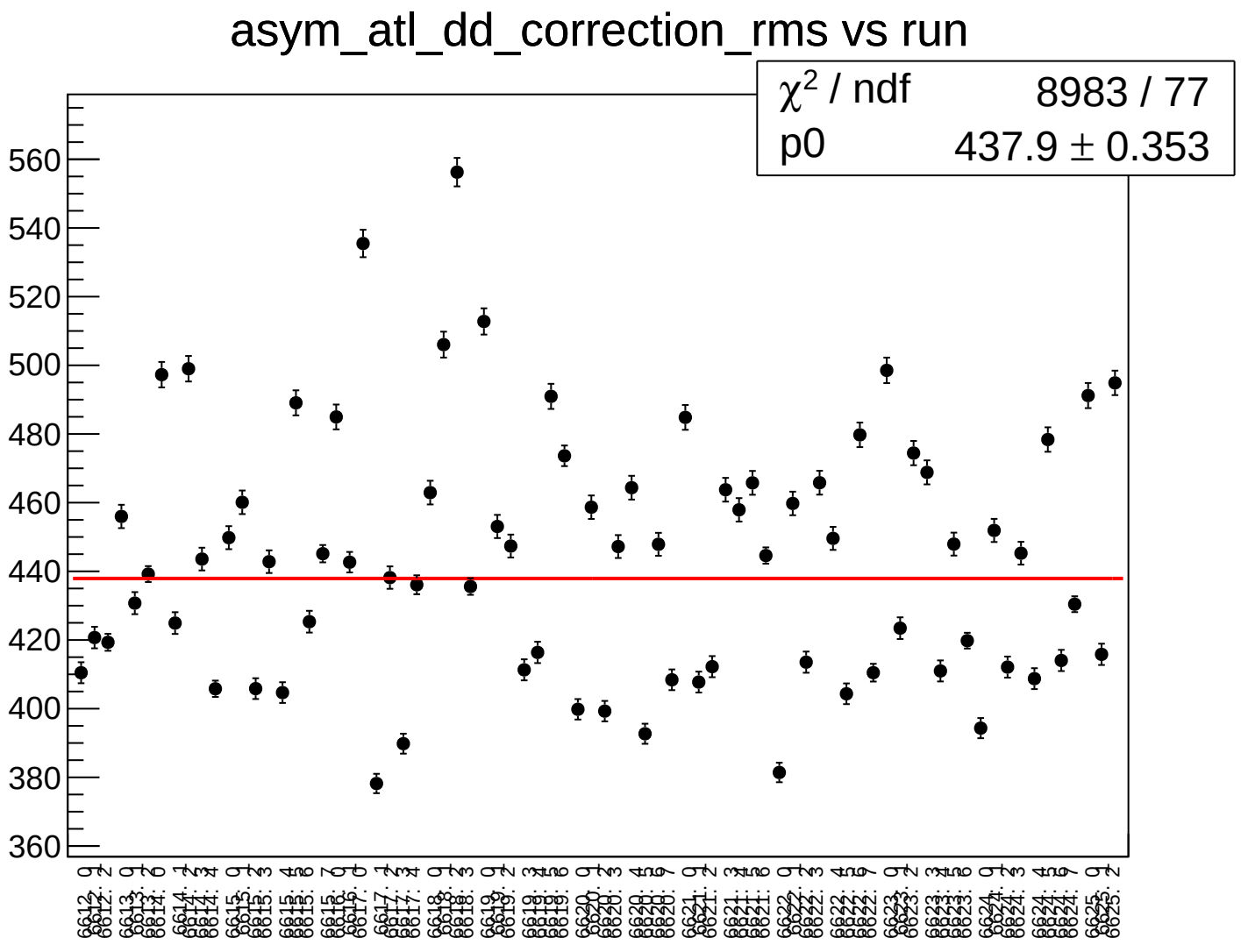

dit_asym_atl_dd_mean vs run
χ^2 / ndf 74.24 / 77
p0 −47.75 ± 4487
×10^3
pull
Entries 78
Mean 963.6
Std Dev 935.9

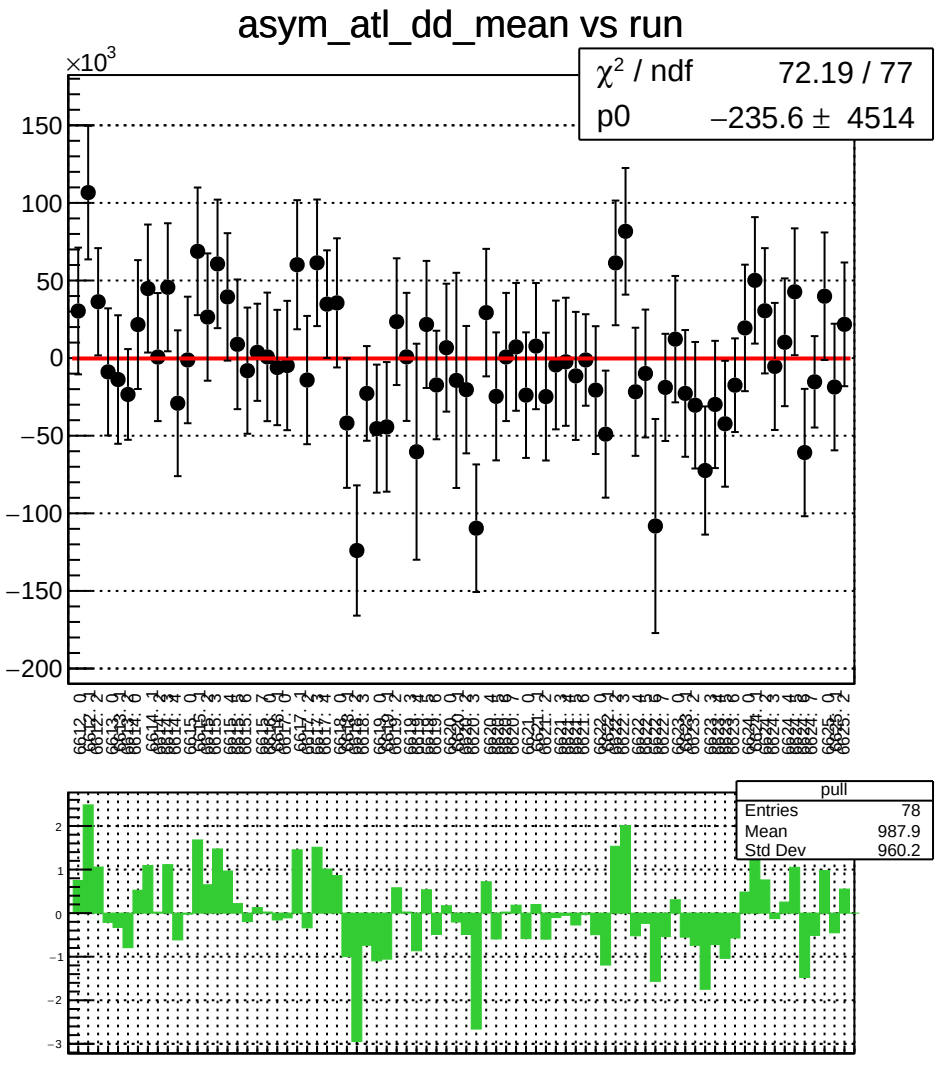

pull1D
Entries 78
Mean −0.005379
Std Dev 0.9756

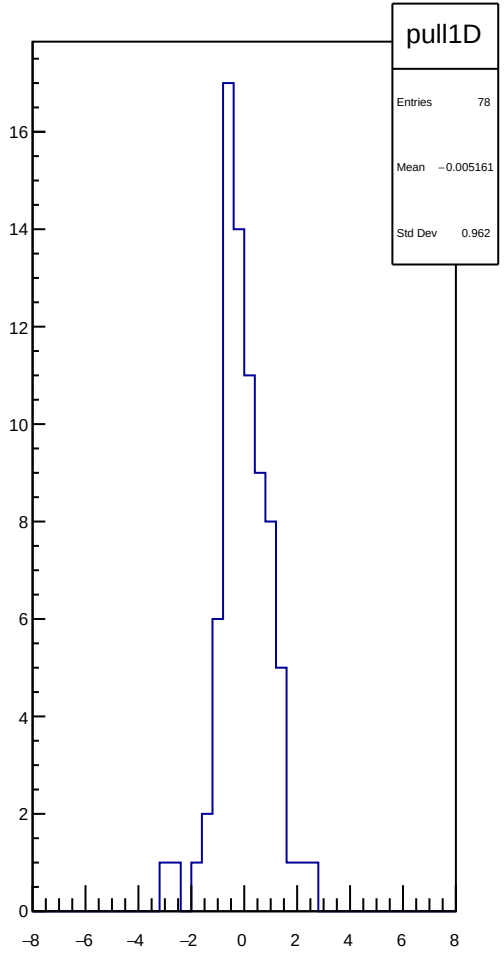

dit_asym_atl_dd_rms vs run
χ² / ndf 1.185e+04 / 77
p0 3932 ± 3.173
6500
6000
5500
5000
4500
4000
3500

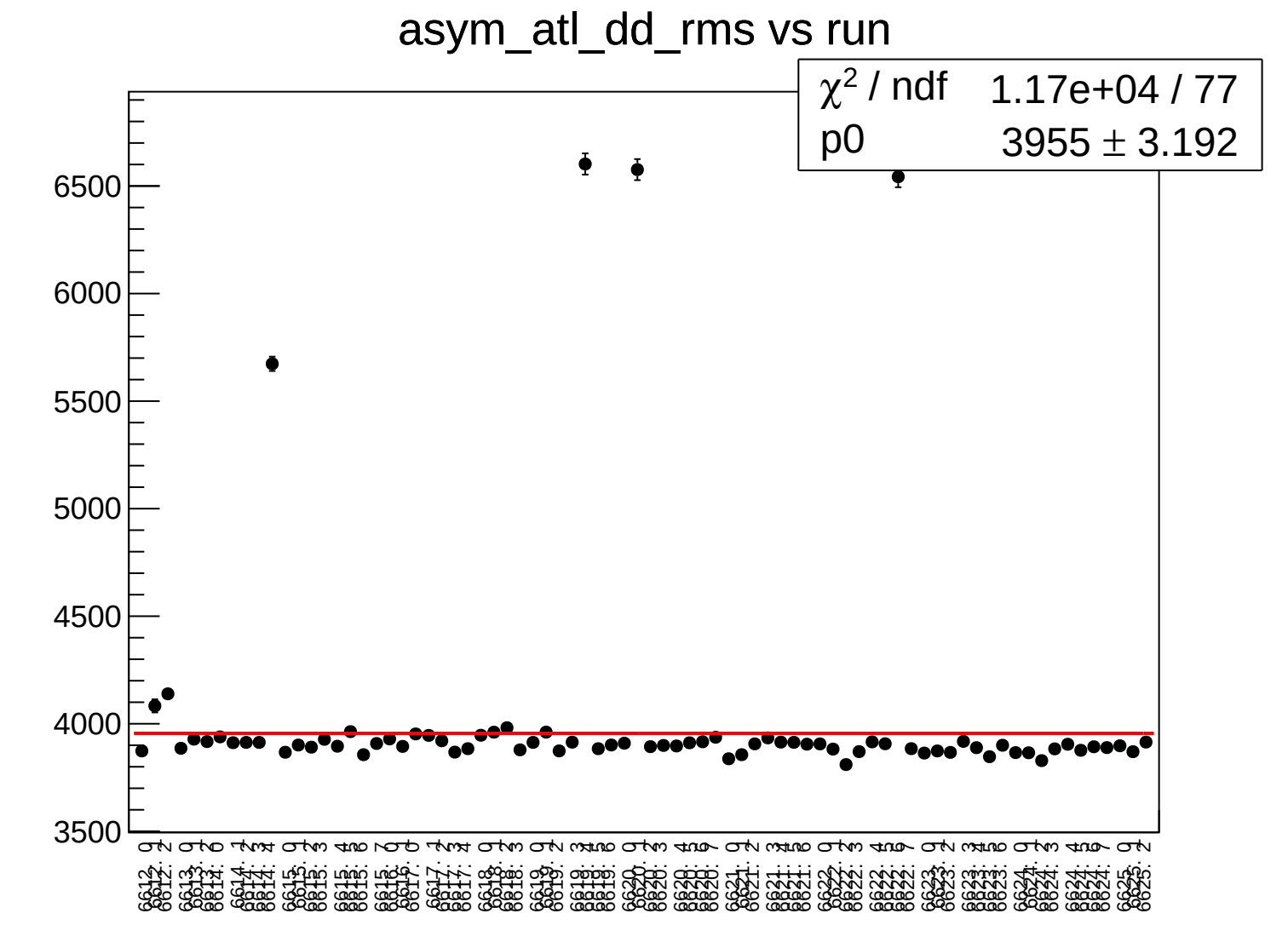

asym_atl_dd_correction_mean vs run
χ² / ndf 78.54 / 77
p0 347.6 ± 499.3
pull
Entries 78
Mean 64.6
Std Dev 28.43

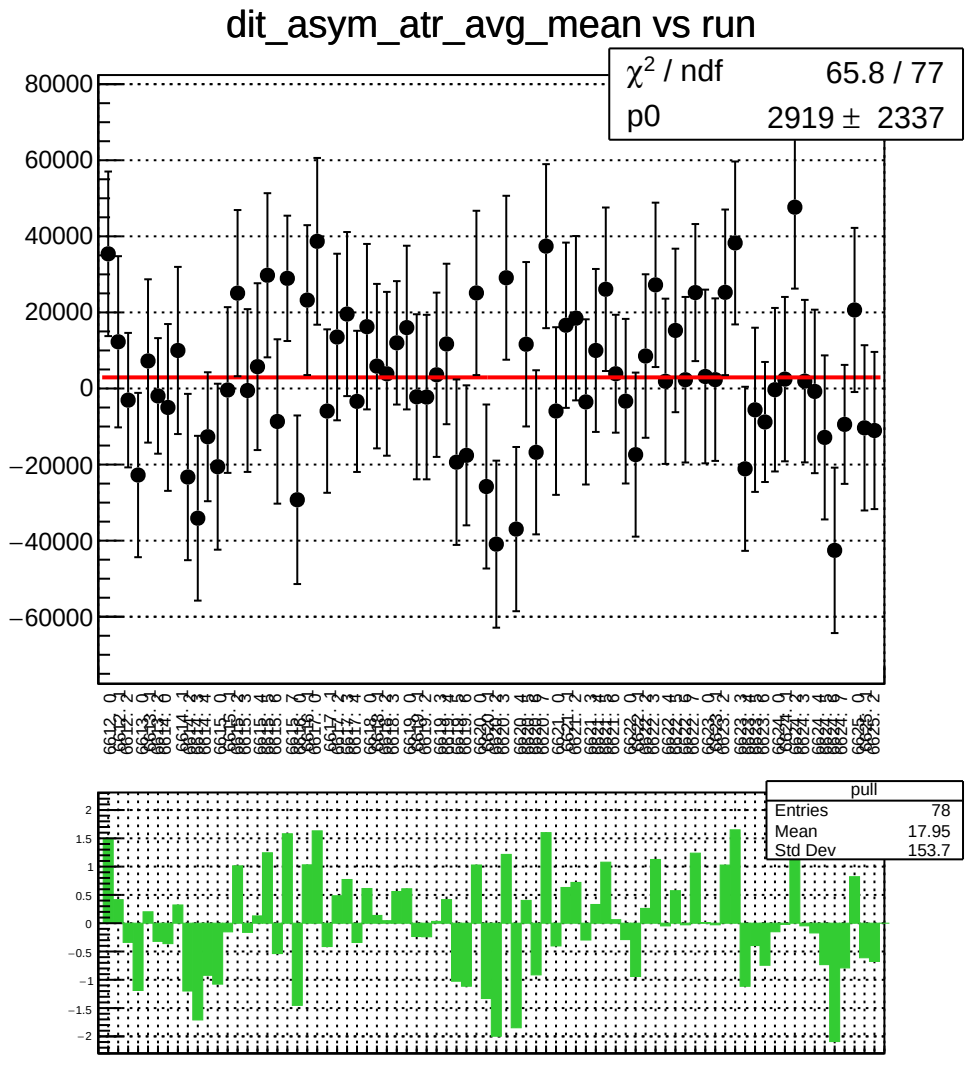

pull1D
Entries 78
Mean −0.02055
Std Dev 1.003

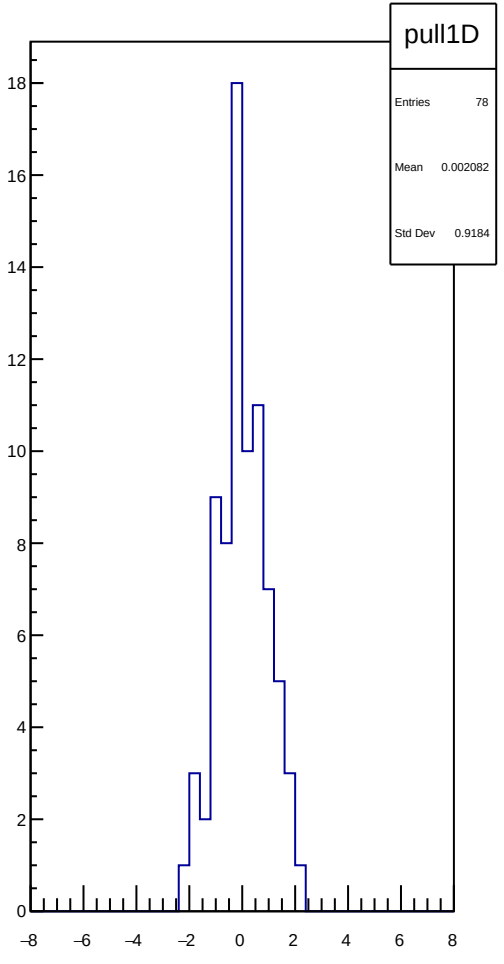

asym_atl_dd_correction_rms vs run
χ² / ndf 8983 / 77
p0 437.9 ± 0.353
560
540
520
500
480
460
440
420
400
380
360

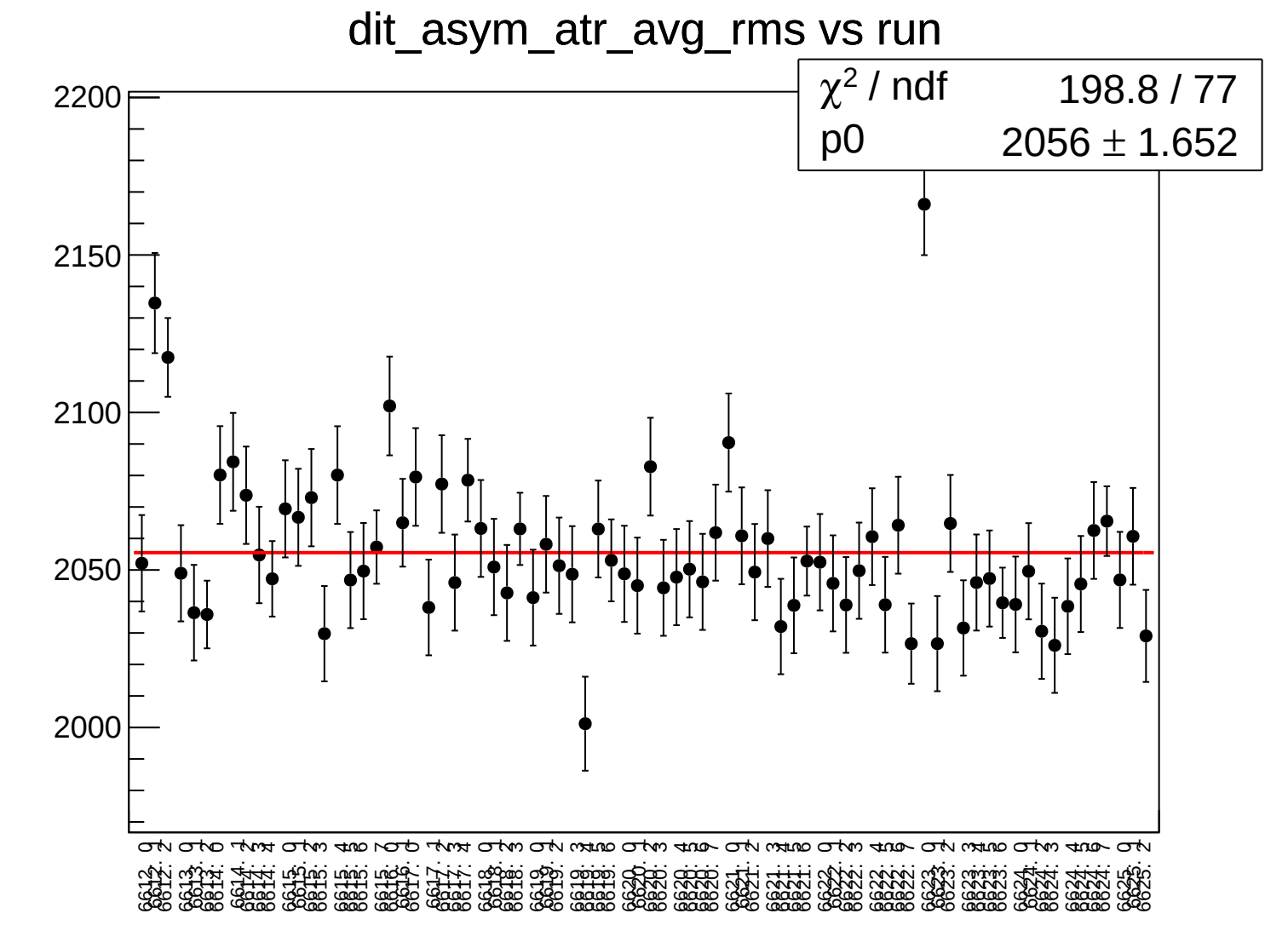

asym_atl_dd_mean vs run
×10^3
χ² / ndf 72.19 / 77
p0 −235.6 ± 4514
150
100
50
0
−50
−100
−150
−200
pull
Entries 78
Mean 987.9
Std Dev 960.2
2
1
0
−1
−2
−3

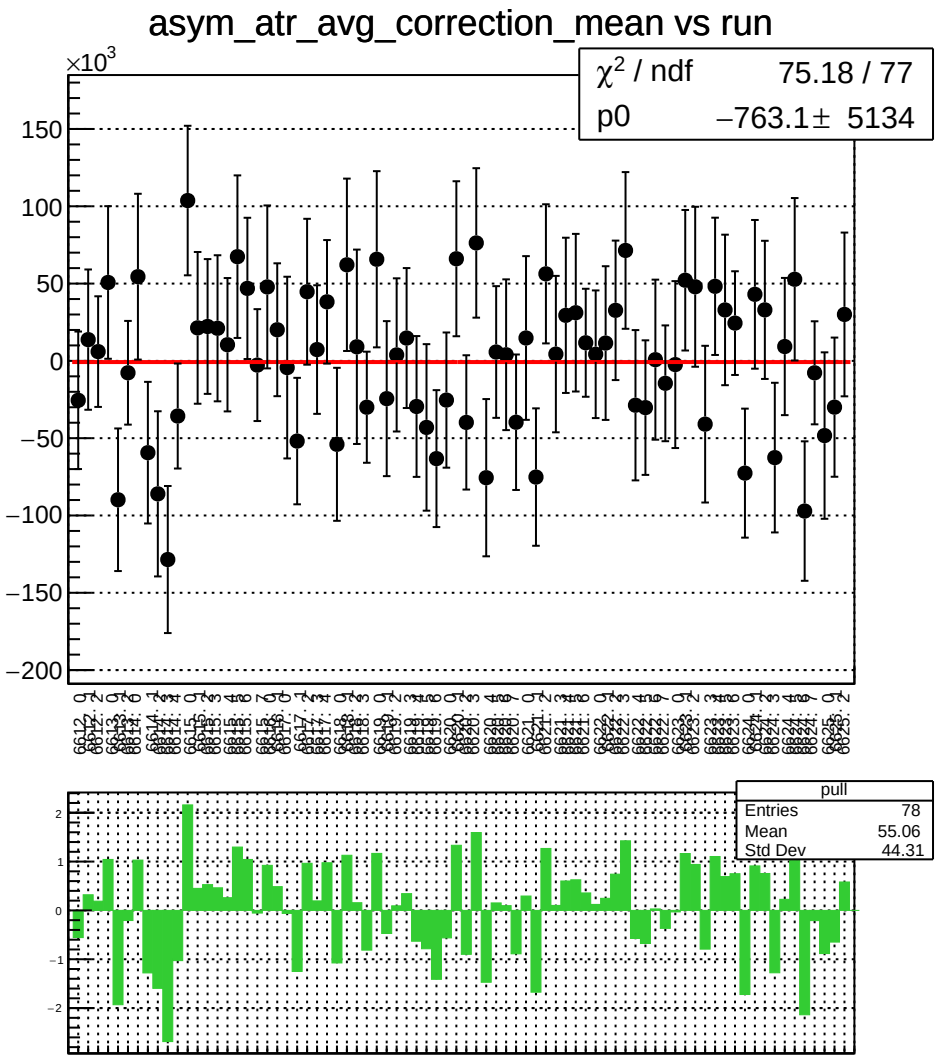

pull1D
Entries 78
Mean −0.005161
Std Dev 0.962
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

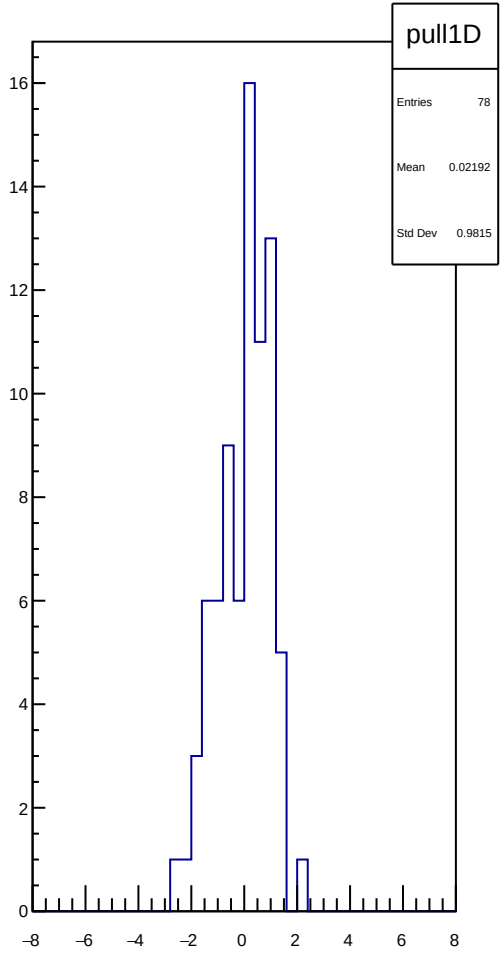

asym_atl_dd_rms vs run
χ² / ndf 1.17e+04 / 77
p0 3955 ± 3.192
6500
6000
5500
5000
4500
4000
3500

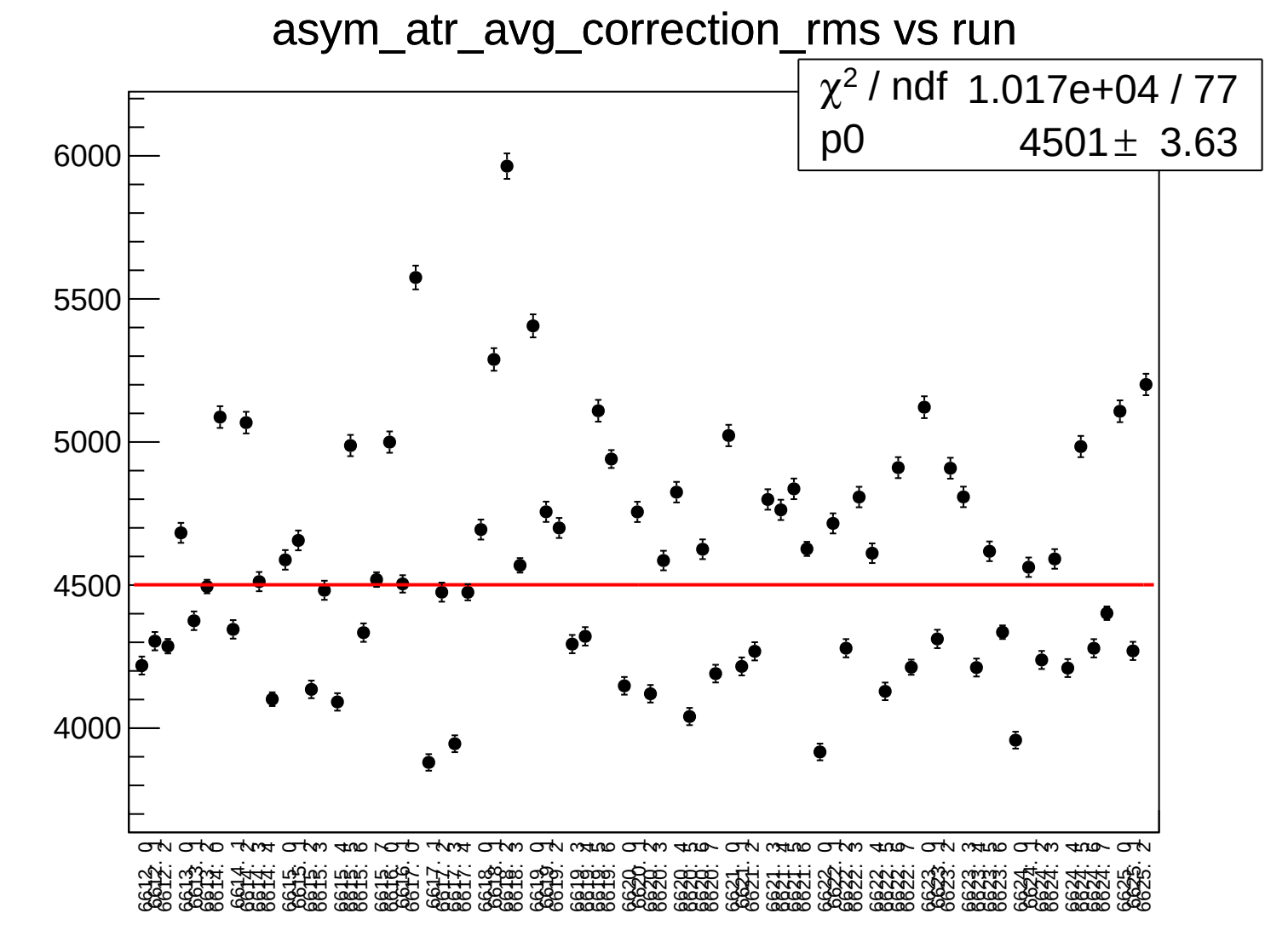

dit_asym_atr_avg_mean vs run
χ² / ndf 65.8 / 77
p0 2919 ± 2337
pull
Entries 78
Mean 17.95
Std Dev 153.7

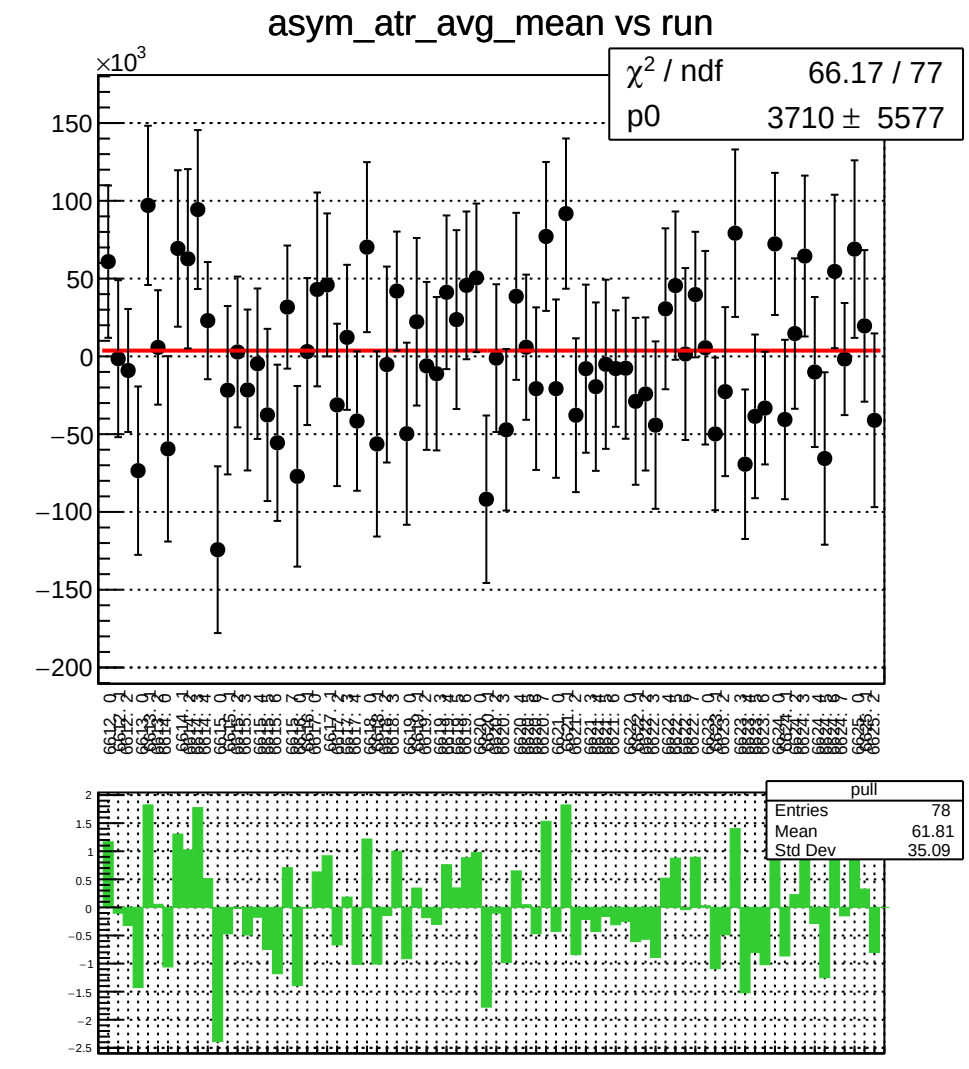

pull1D
Entries 78
Mean 0.002082
Std Dev 0.9184

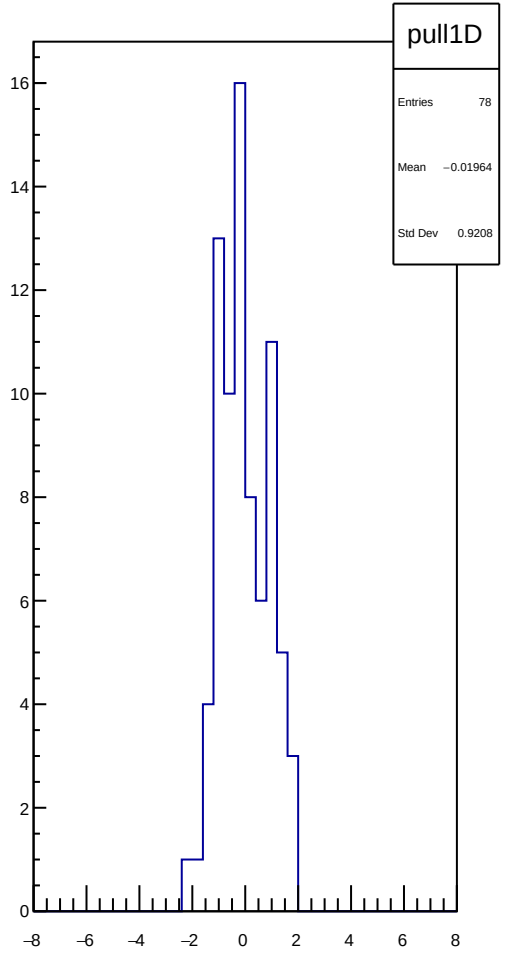

dit_asym_atr_avg_rms vs run
χ² / ndf 198.8 / 77
p0 2056 ± 1.652
2200
2150
2100
2050
2000

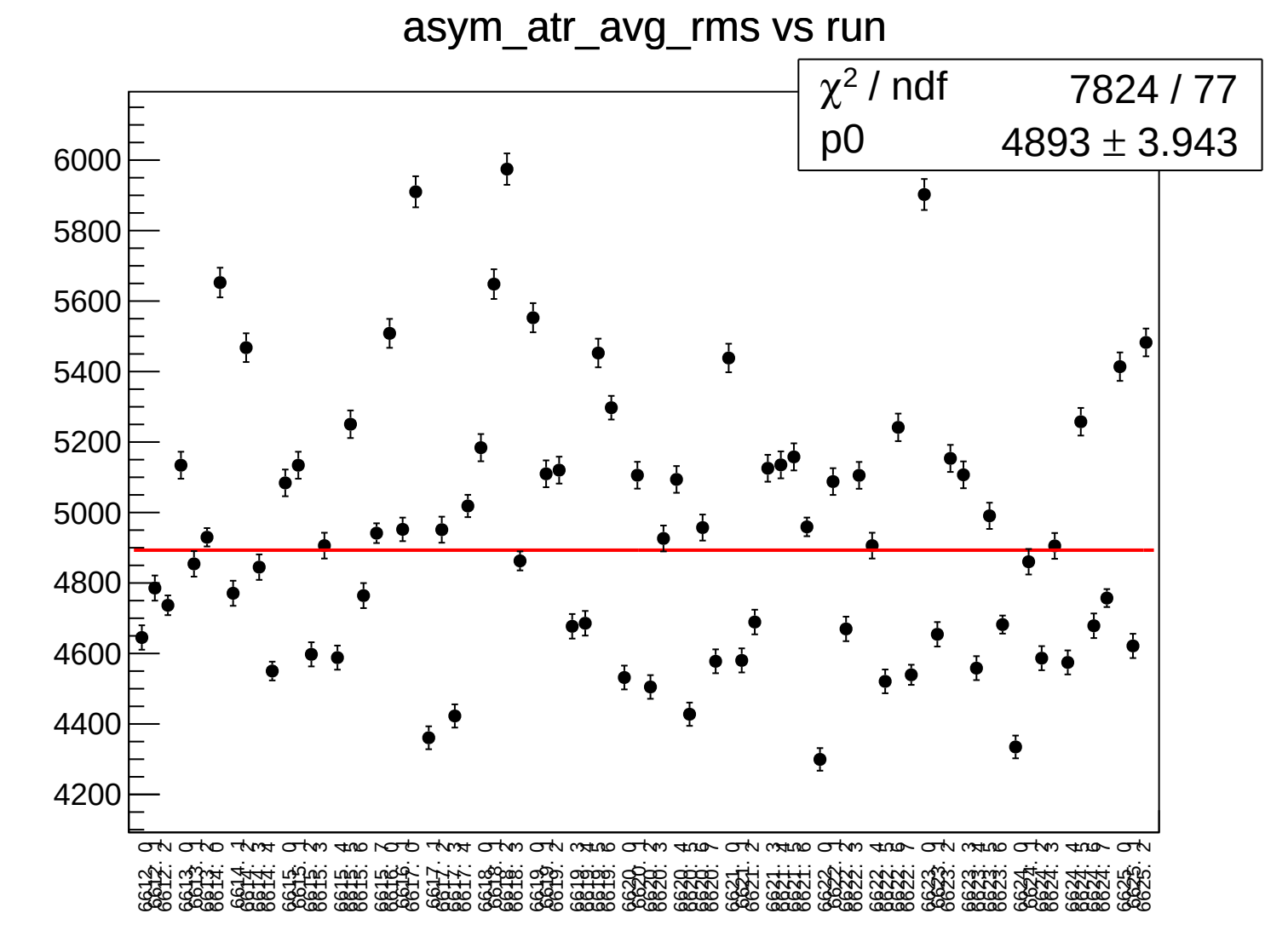

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 75.18 / 77
p0 −763.1± 5134
150
100
50
0
−50
−100
−150
−200
pull
Entries 78
Mean 55.06
Std Dev 44.31
2
1
0
−1
−2

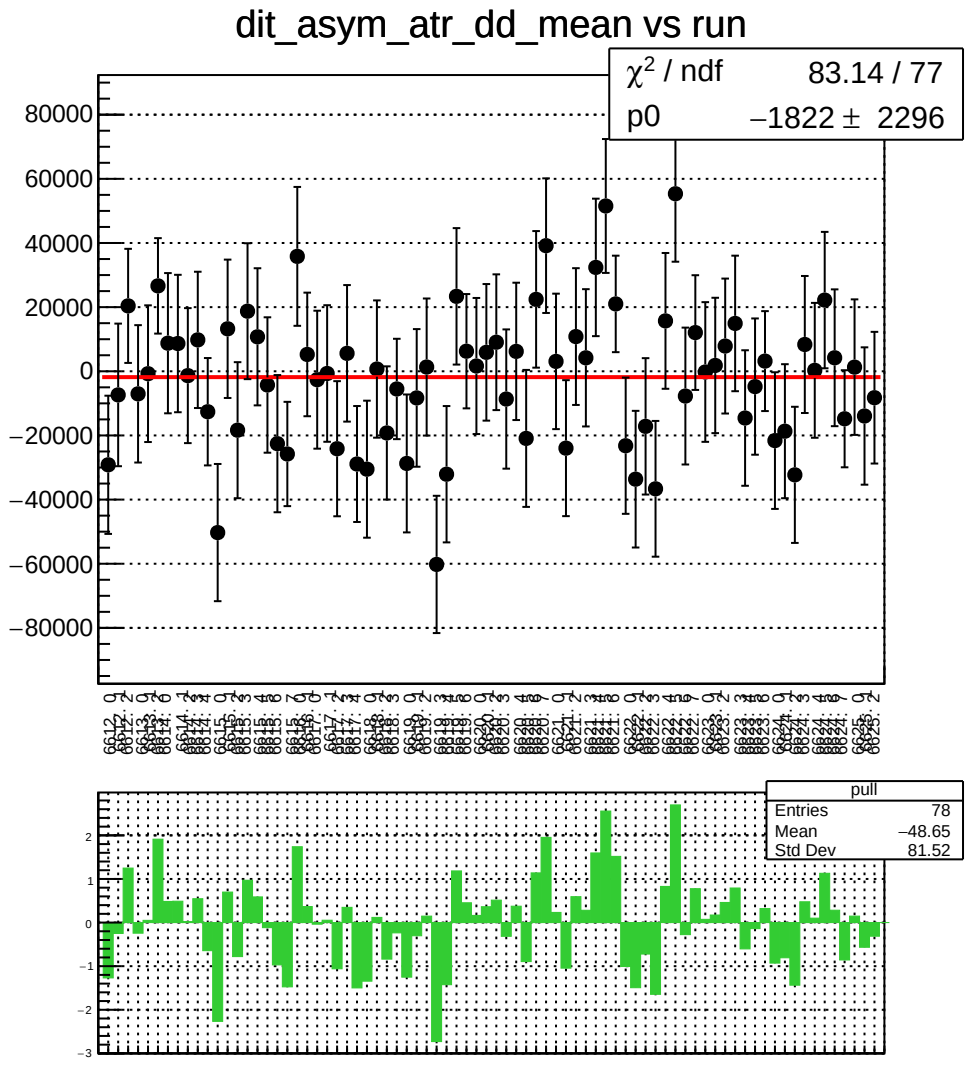

pull1D
Entries 78
Mean 0.02192
Std Dev 0.9815
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

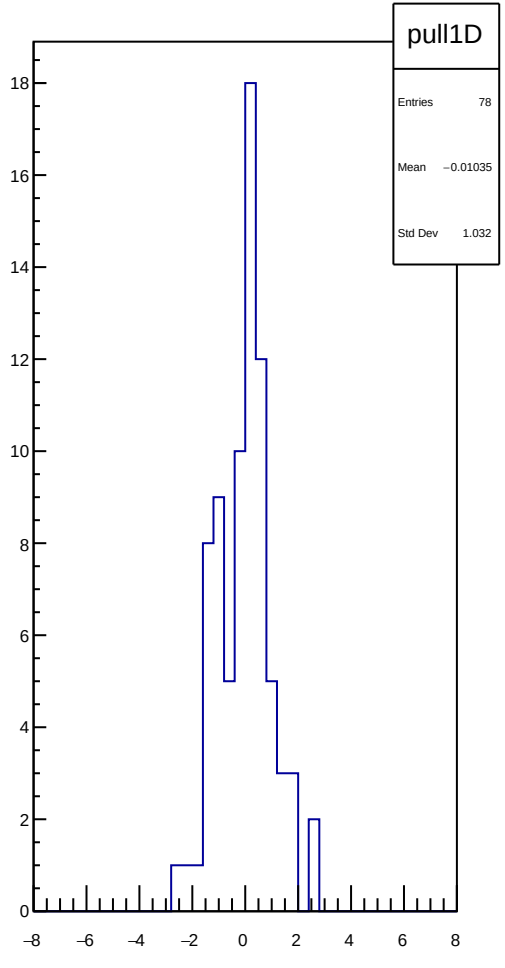

asym_atr_avg_correction_rms vs run
χ² / ndf 1.017e+04 / 77
p0 4501 ± 3.63
6000
5500
5000
4500
4000

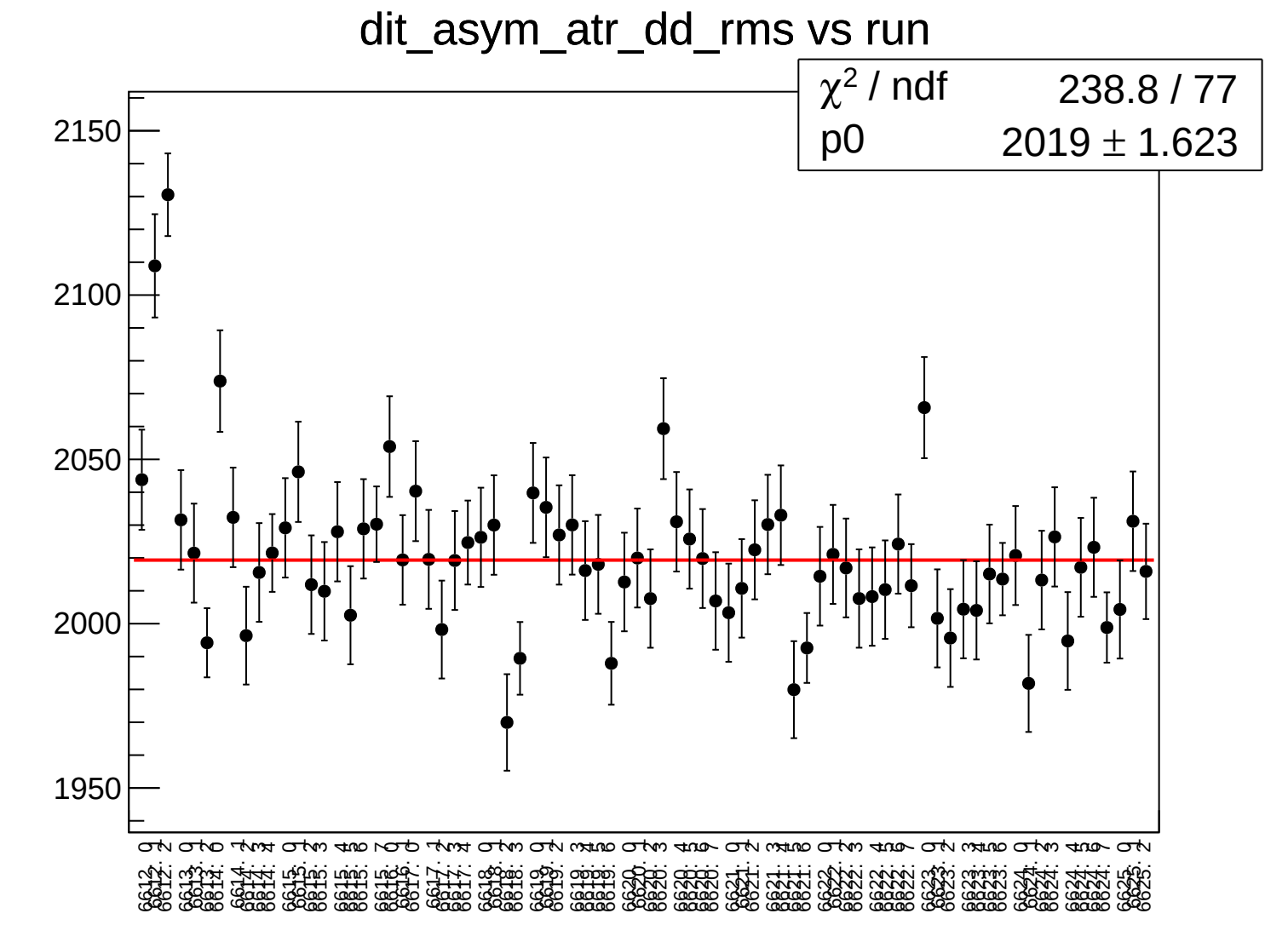

asym_atr_avg_mean vs run
×10^3
χ² / ndf 66.17 / 77
p0 3710 ± 5577
150
100
50
0
−50
−100
−150
−200
pull
Entries 78
Mean 61.81
Std Dev 35.09
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

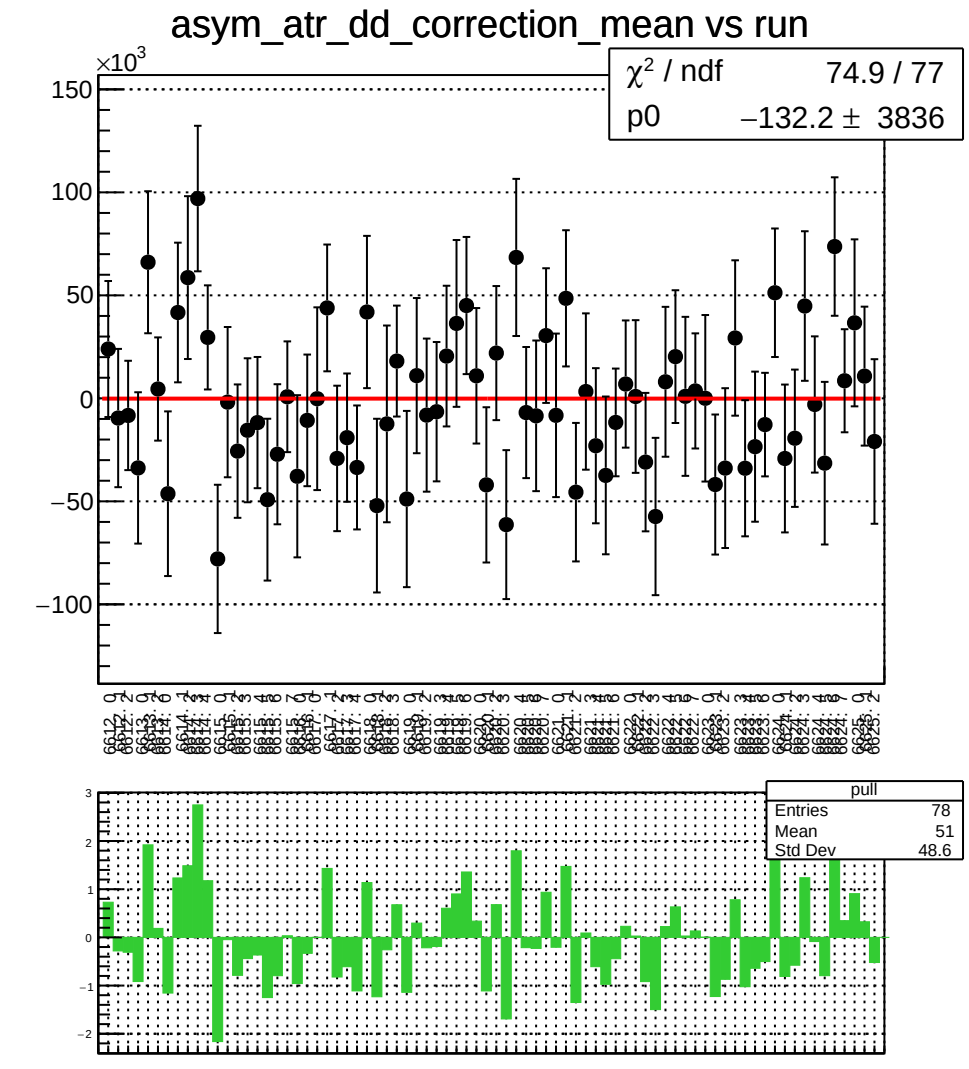

pull1D
Entries 78
Mean −0.01964
Std Dev 0.9208
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

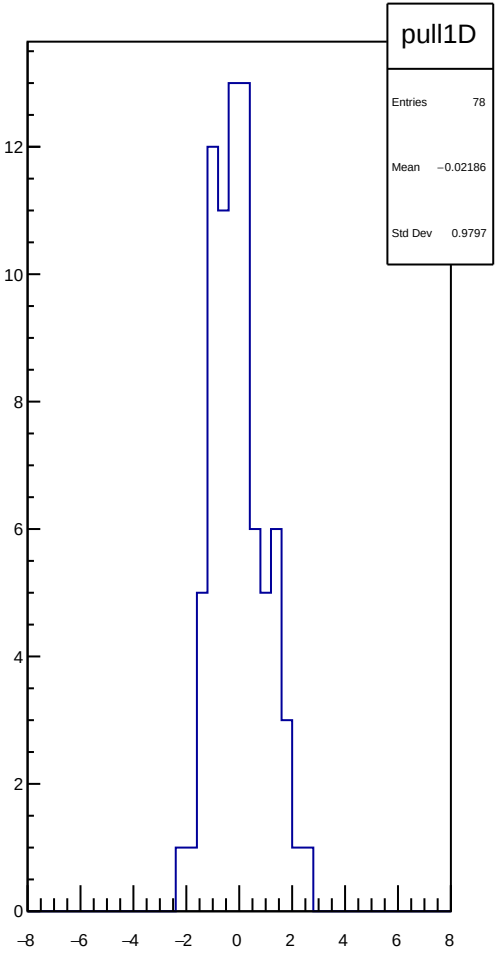

asym_atr_avg_rms vs run
χ² / ndf 7824 / 77
p0 4893 ± 3.943
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200

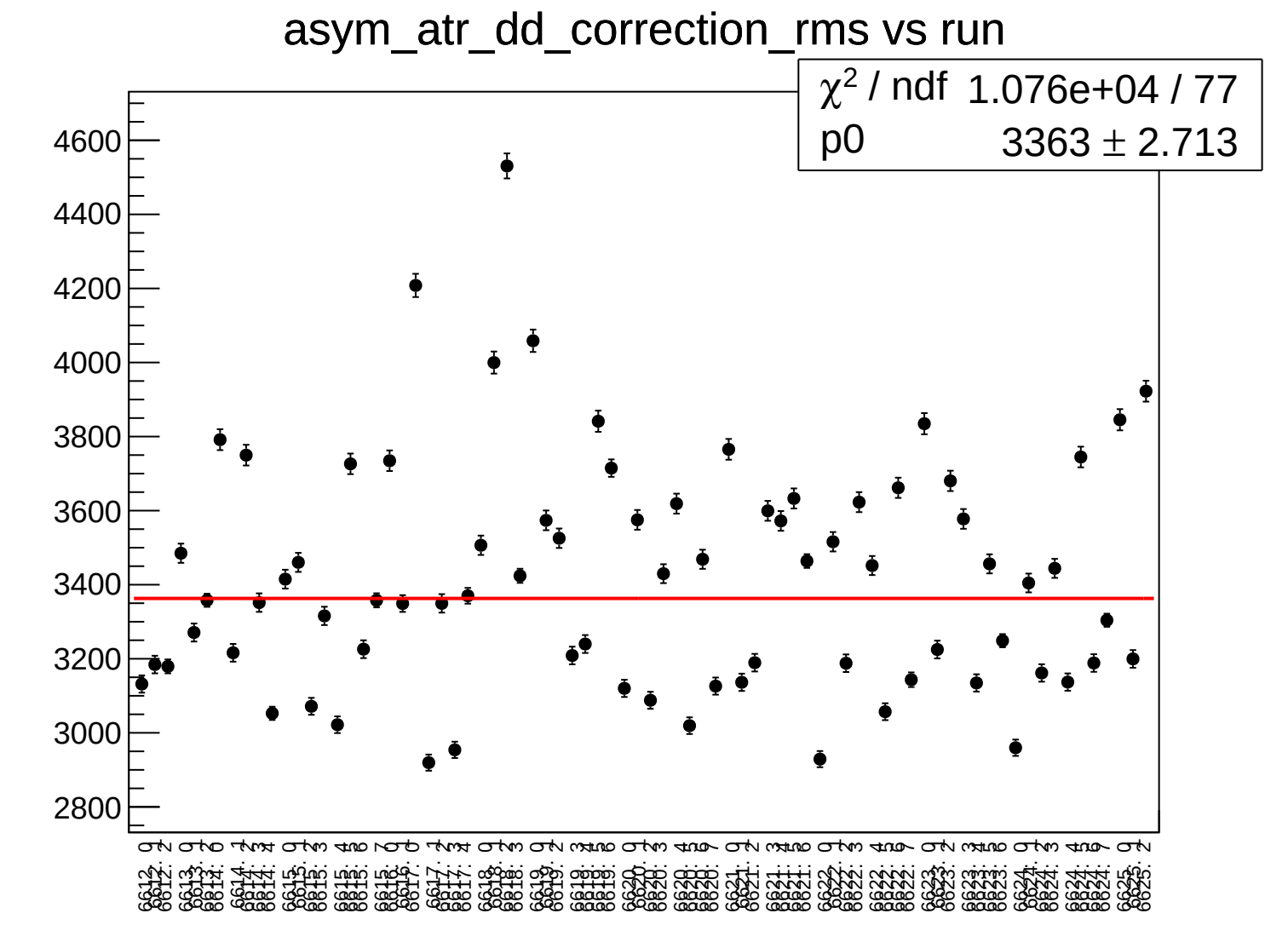

dit_asym_atr_dd_mean vs run
χ² / ndf 83.14 / 77
p0 −1822 ± 2296
pull
Entries 78
Mean −48.65
Std Dev 81.52

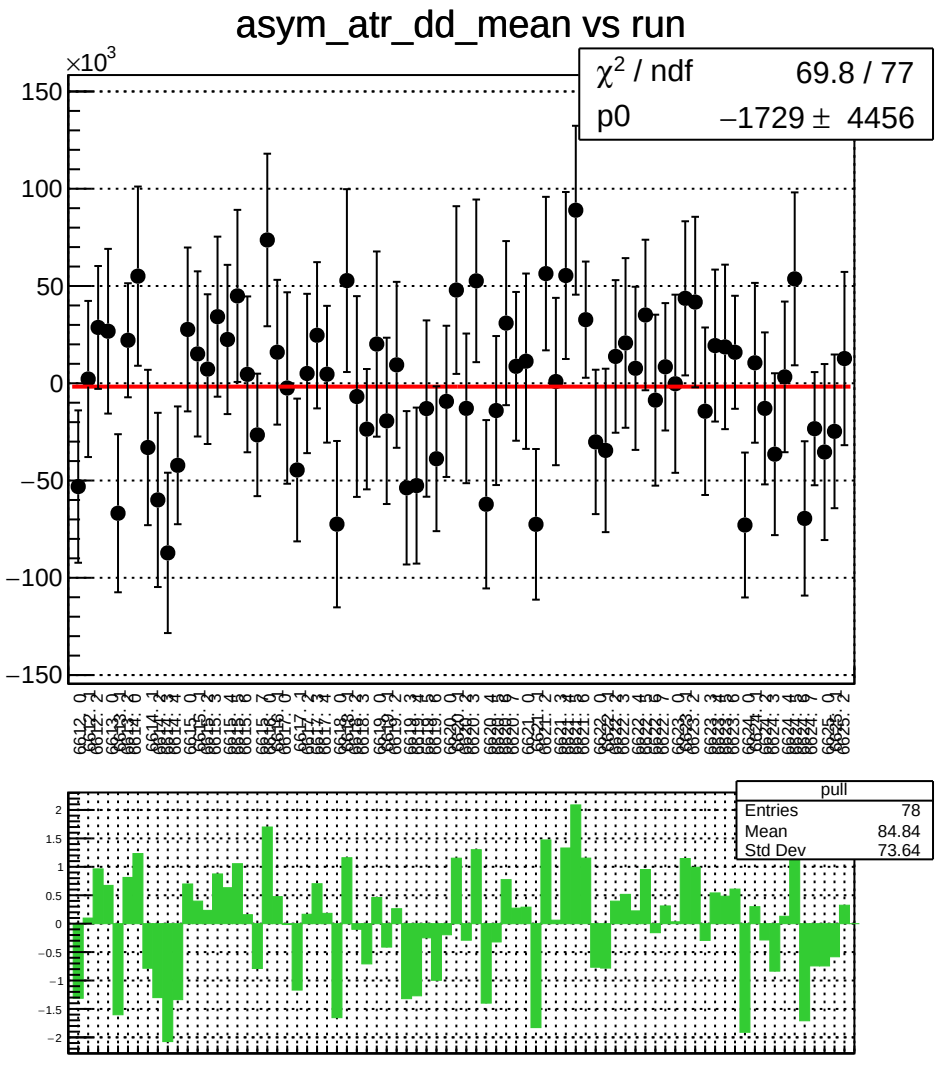

pull1D
Entries 78
Mean −0.01035
Std Dev 1.032

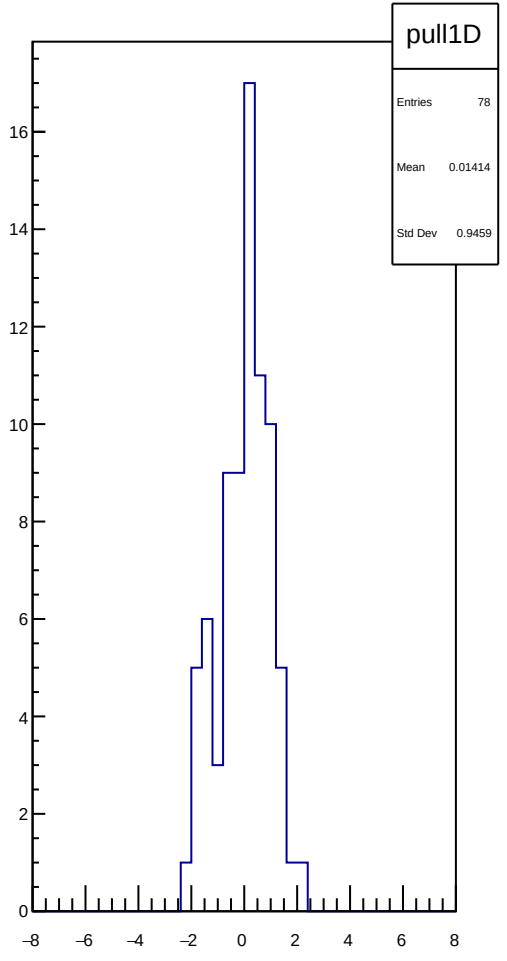

dit_asym_atr_dd_rms vs run
χ^2 / ndf 238.8 / 77
p0 2019 ± 1.623
2150
2100
2050
2000
1950

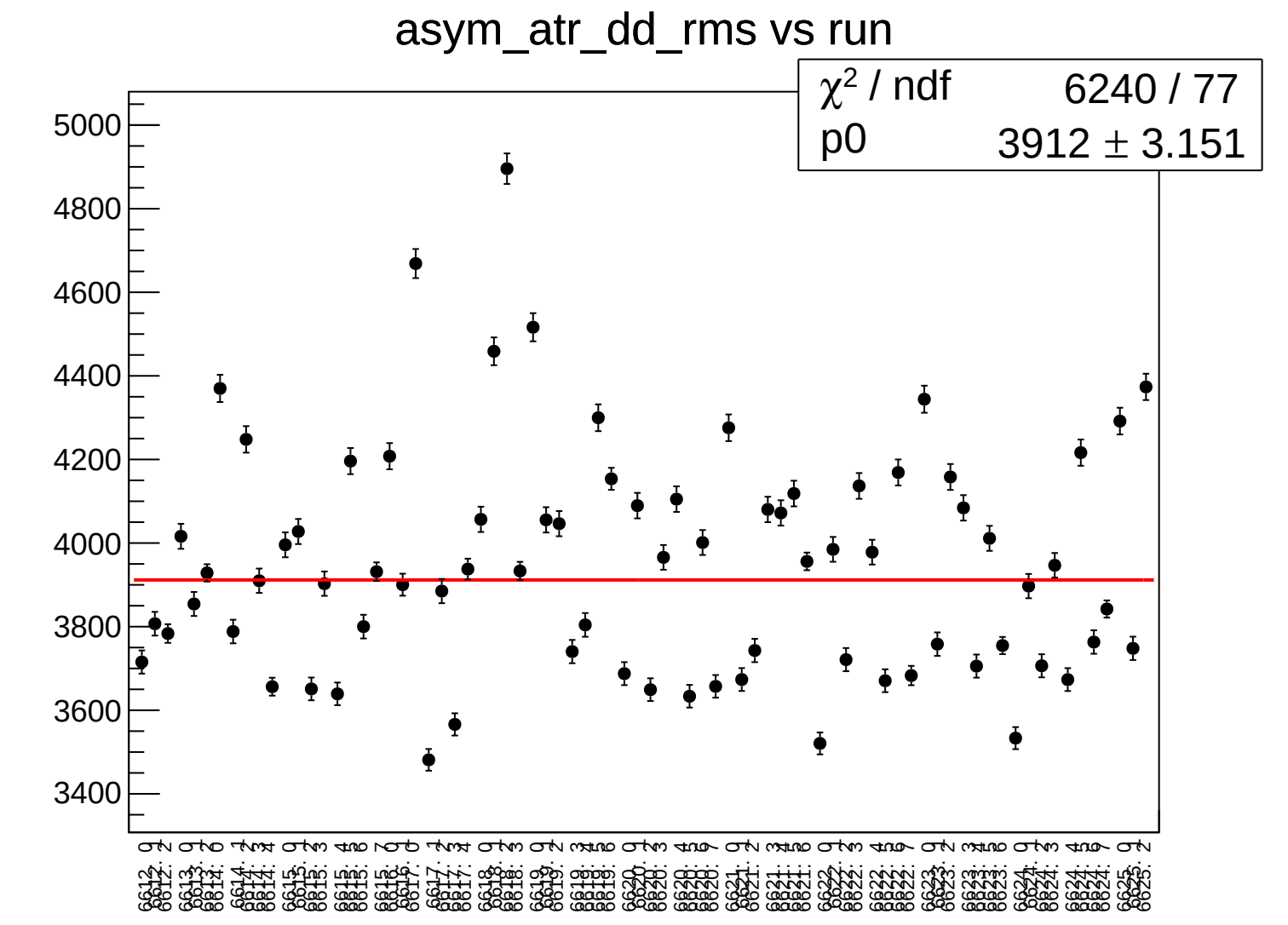

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 74.9 / 77
p0 −132.2 ± 3836
150
100
50
0
−50
−100
pull
Entries 78
Mean 51
Std Dev 48.6
3
2
1
0
−1
−2

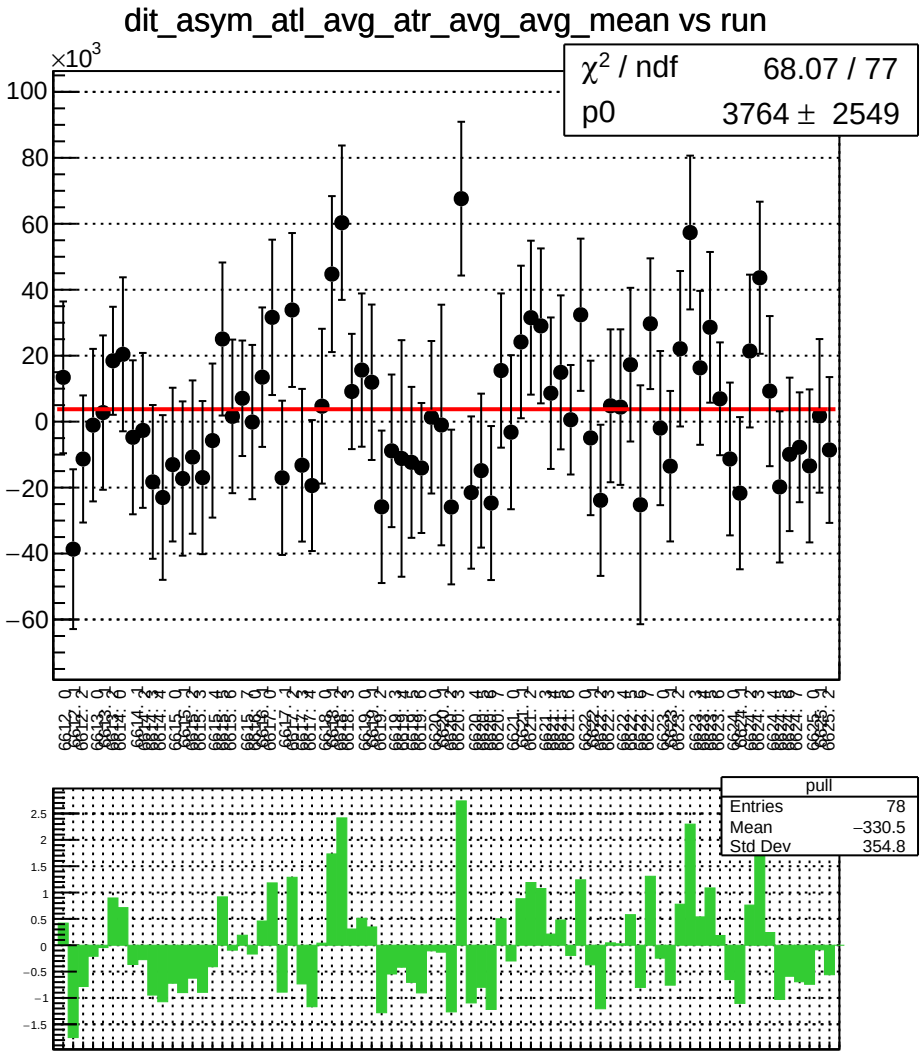

pull1D
Entries 78
Mean −0.02186
Std Dev 0.9797
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

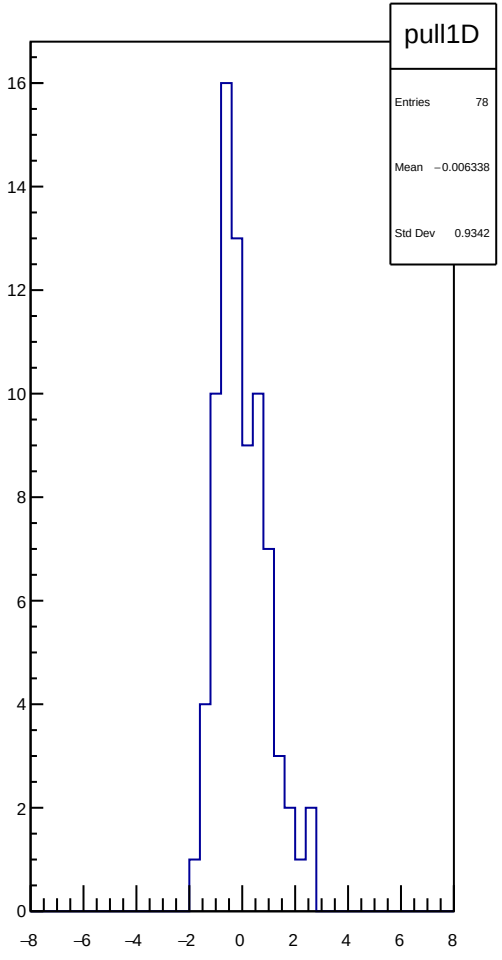

asym_atr_dd_correction_rms vs run
χ² / ndf 1.076e+04 / 77
p0 3363 ± 2.713
4600
4400
4200
4000
3800
3600
3400
3200
3000
2800

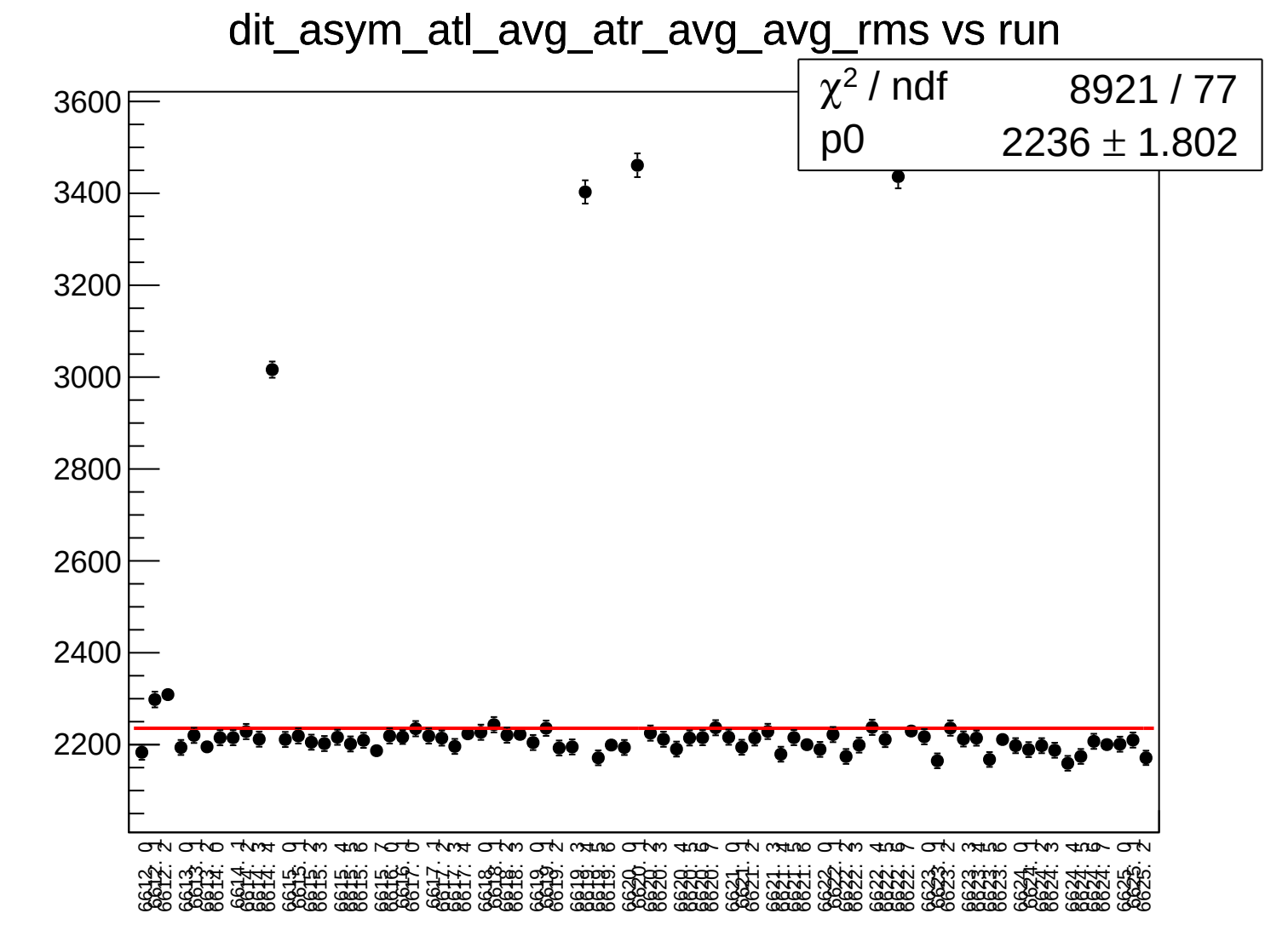

asym_atr_dd_mean vs run
×10^3
χ² / ndf 69.8 / 77
p0 −1729 ± 4456
150
100
50
0
−50
−100
−150
pull
Entries 78
Mean 84.84
Std Dev 73.64
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

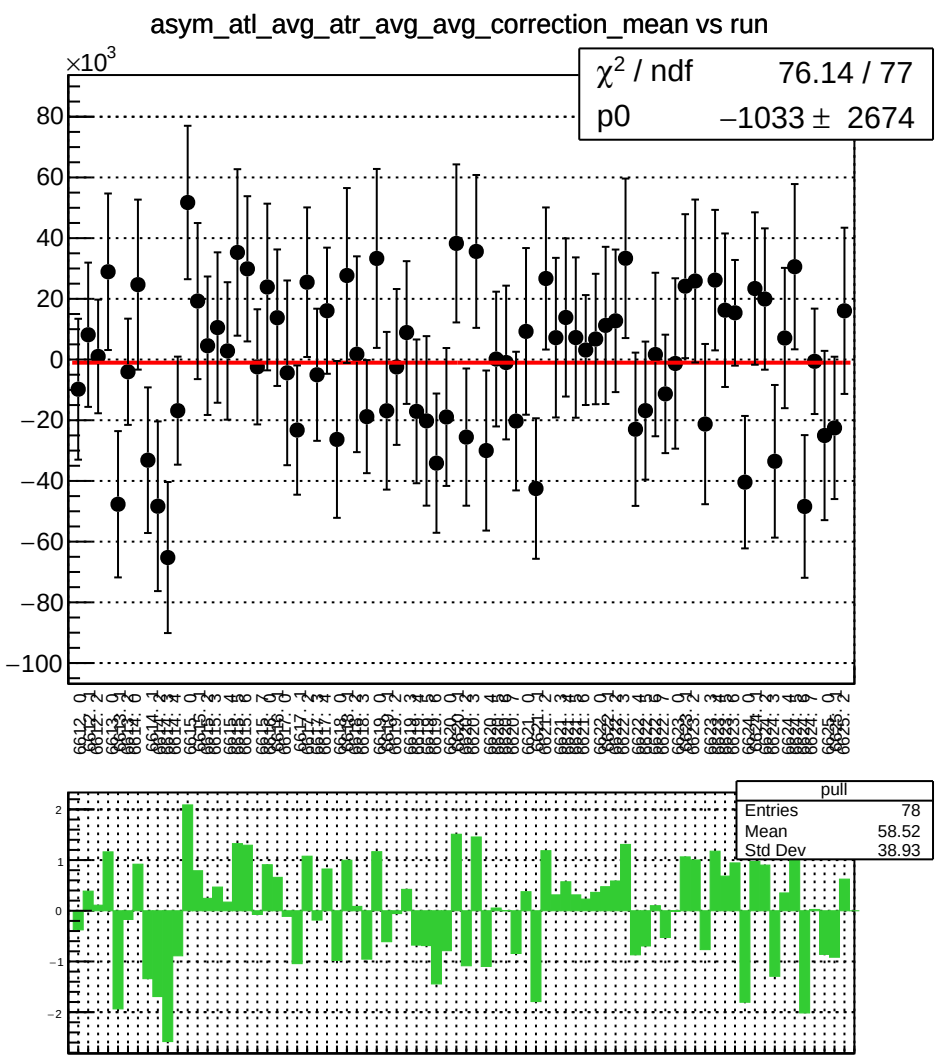

pull1D
Entries 78
Mean 0.01414
Std Dev 0.9459
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

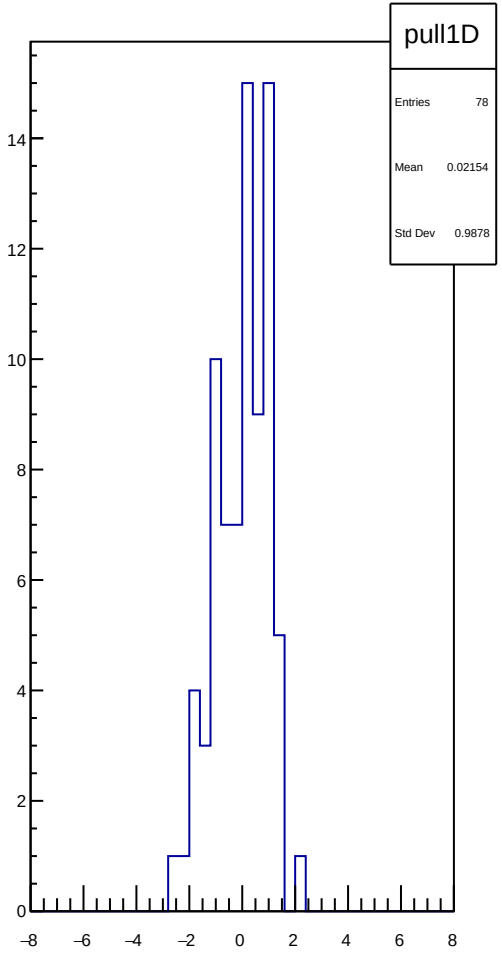

asym_atr_dd_rms vs run
χ^2 / ndf 6240 / 77
p0 3912 ± 3.151
5000
4800
4600
4400
4200
4000
3800
3600
3400

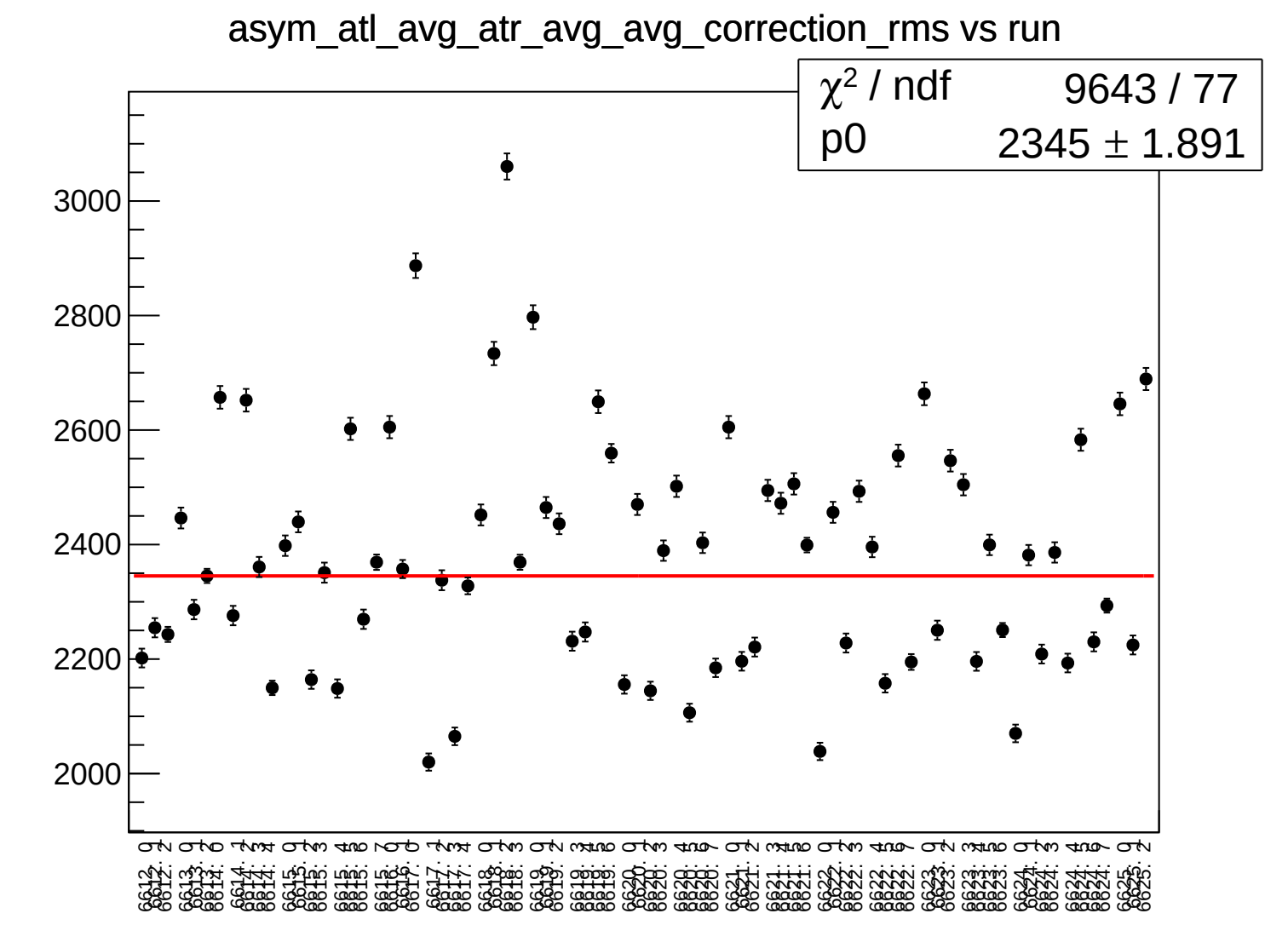

dit_asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ^2 / ndf 68.07 / 77
p0 3764 ± 2549
pull
Entries 78
Mean −330.5
Std Dev 354.8

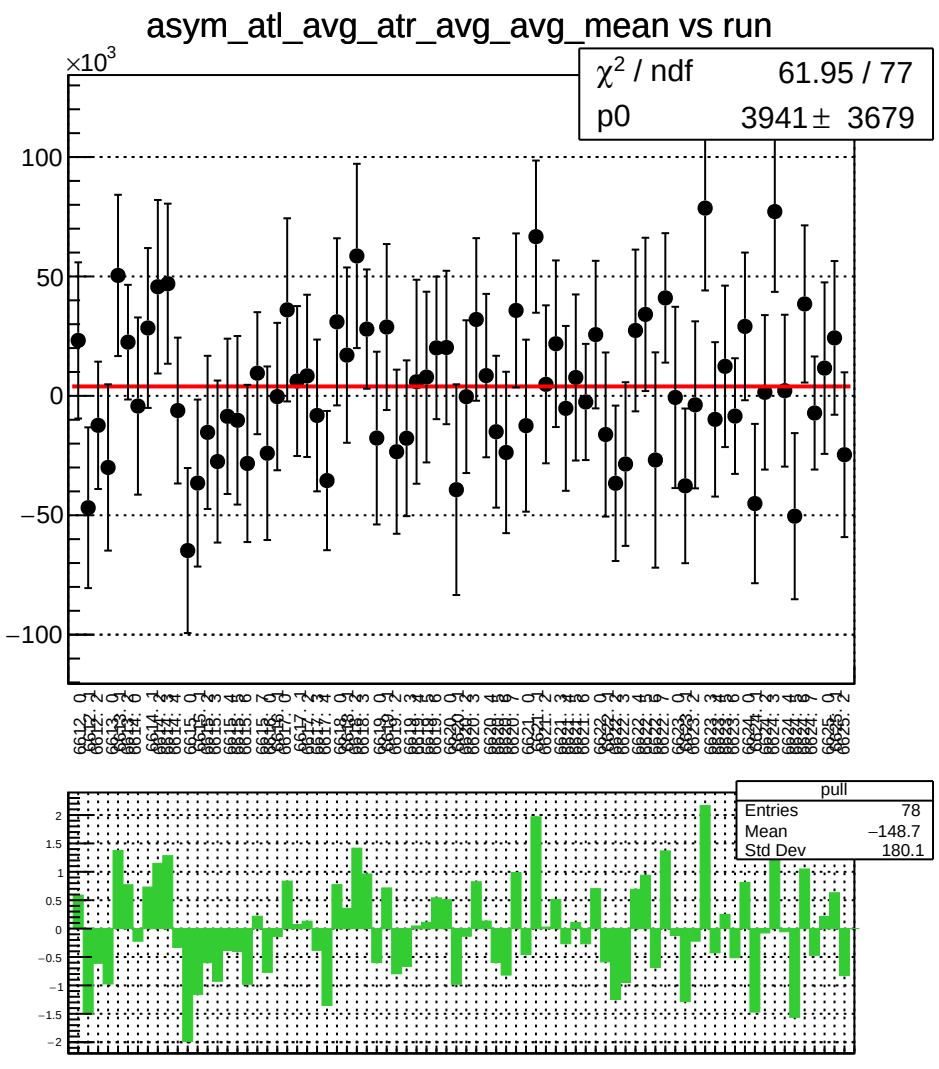

pull1D
Entries 78
Mean −0.006338
Std Dev 0.9342

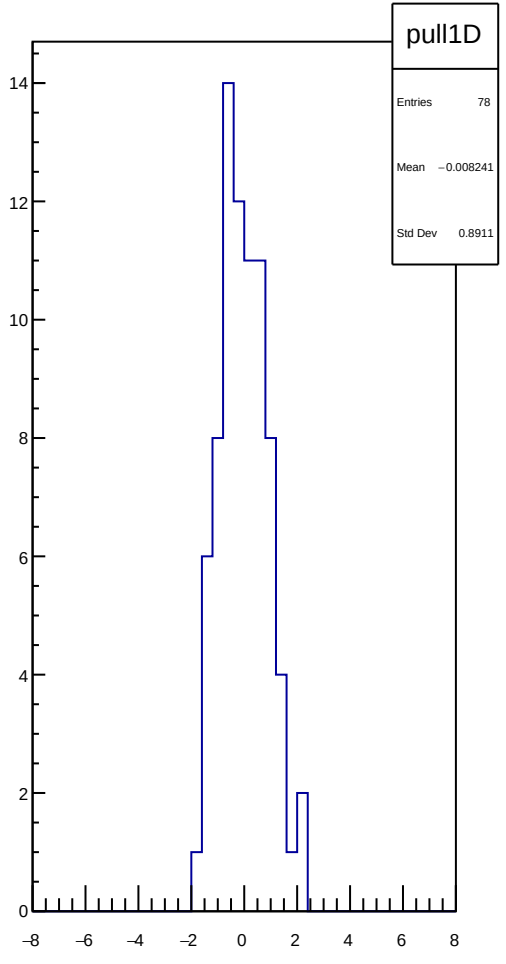

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 8921 / 77
p0 2236 ± 1.802
3600
3400
3200
3000
2800
2600
2400
2200

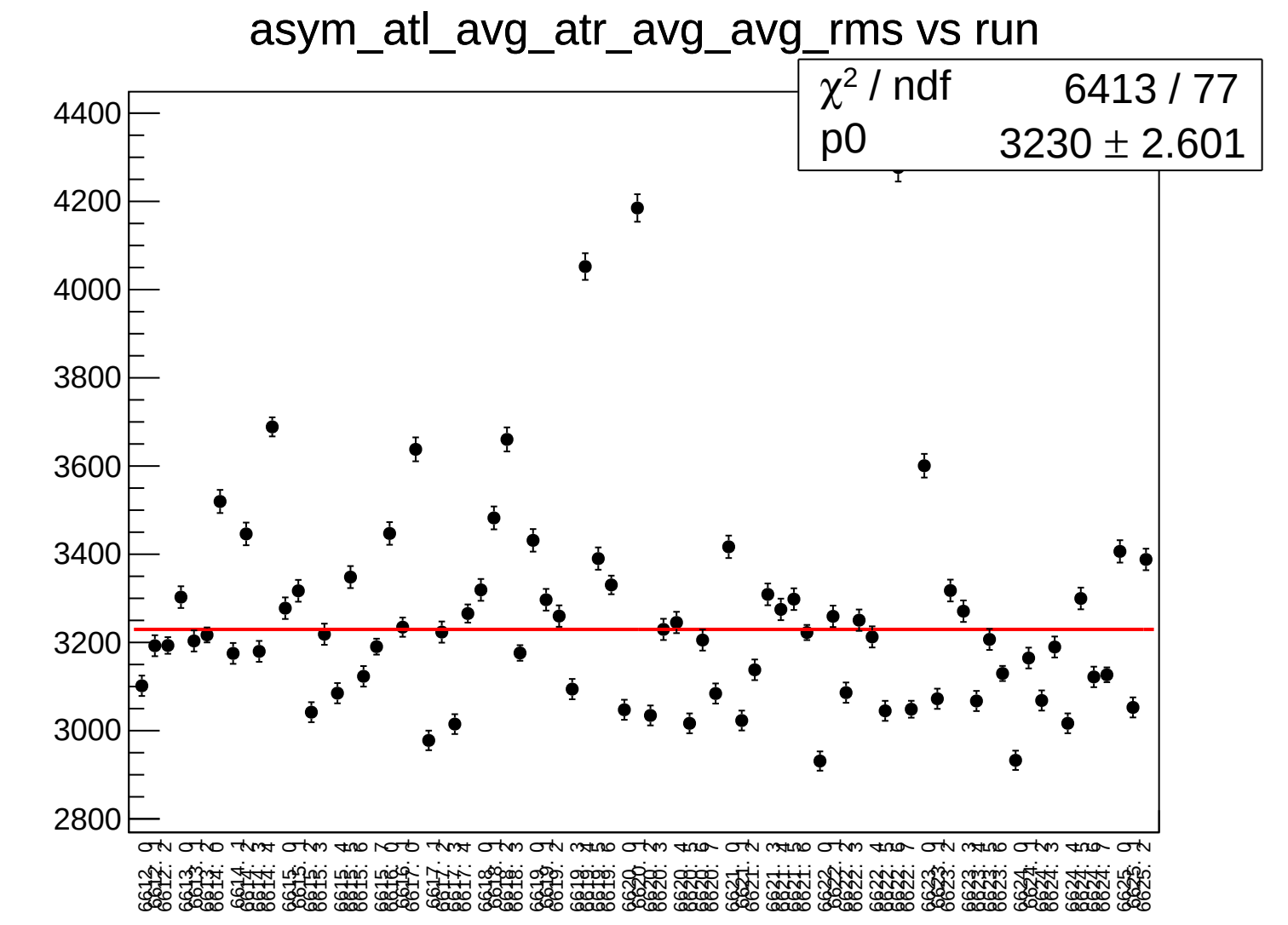

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 76.14 / 77
p0 −1033 ± 2674
pull
Entries 78
Mean 58.52
Std Dev 38.93

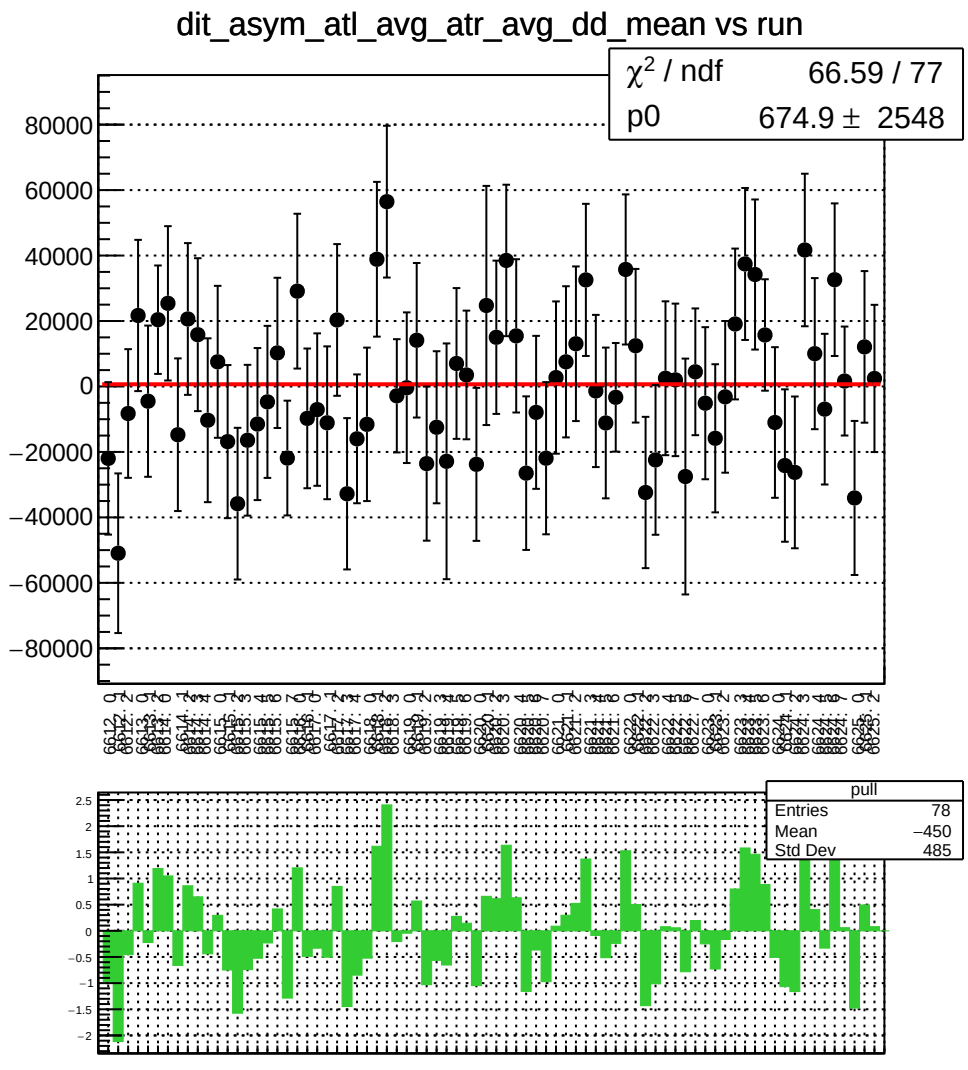

pull1D
Entries 78
Mean 0.02154
Std Dev 0.9878

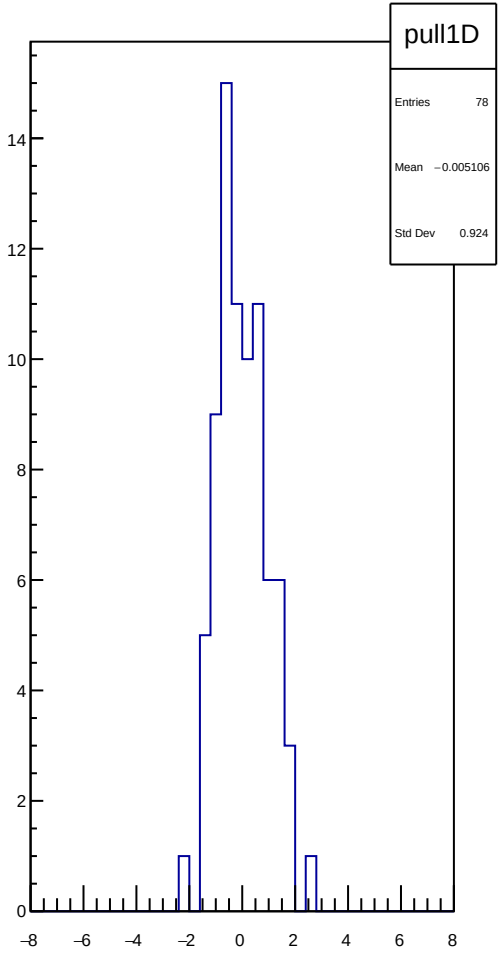

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 9643 / 77
p0 2345 ± 1.891
3000
2800
2600
2400
2200
2000

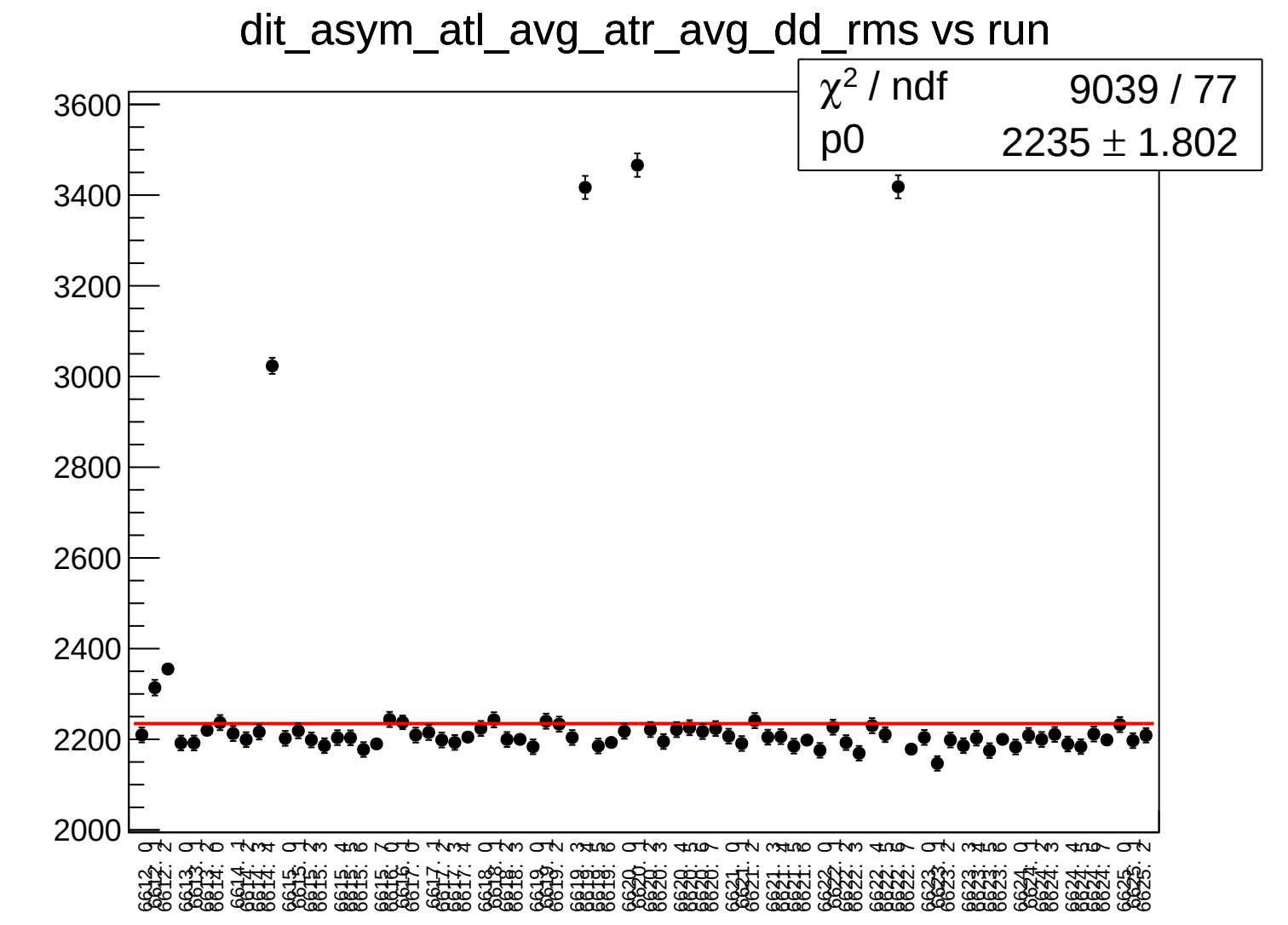

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 61.95 / 77
p0 3941 ± 3679
100
50
0
−50
−100
pull
Entries 78
Mean −148.7
Std Dev 180.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

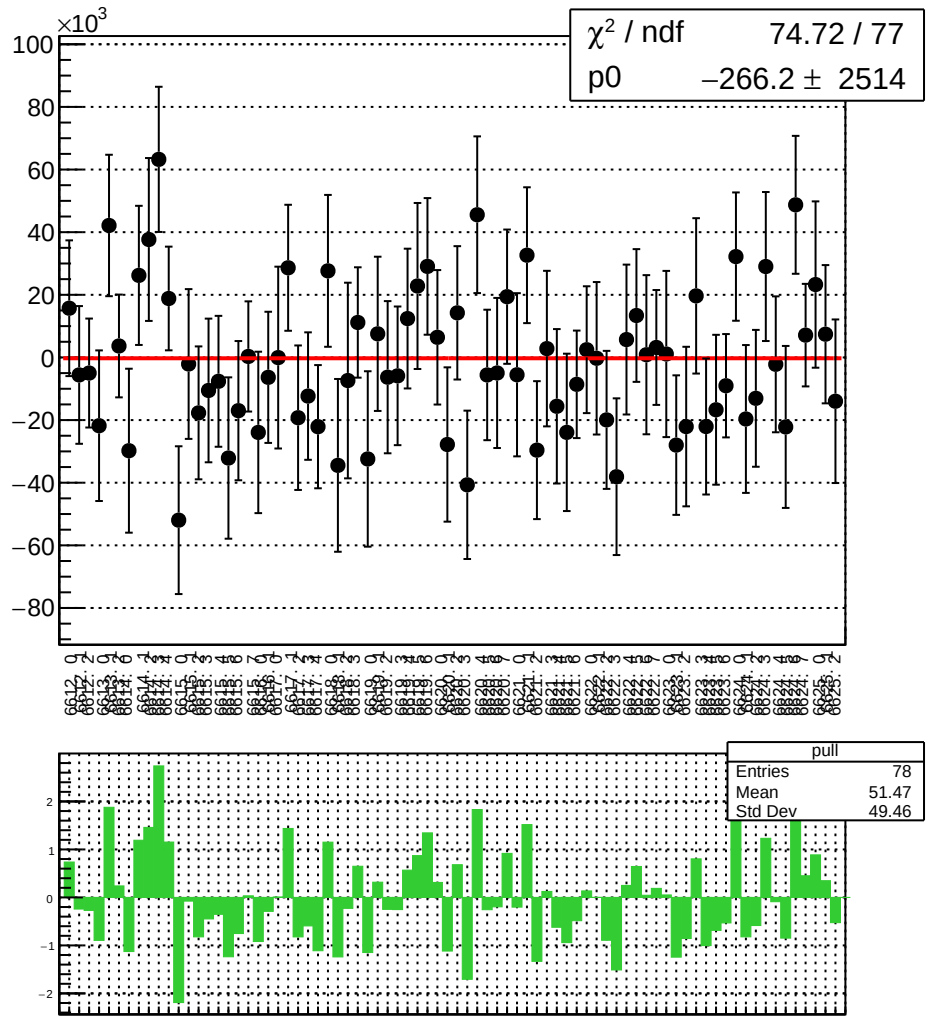

pull1D
Entries 78
Mean −0.008241
Std Dev 0.8911
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

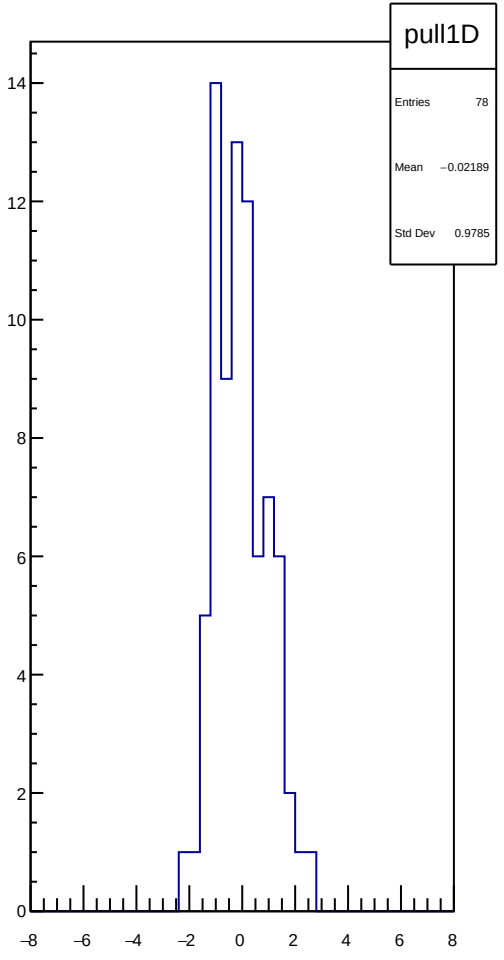

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 6413 / 77
p0 3230 ± 2.601
4400
4200
4000
3800
3600
3400
3200
3000
2800

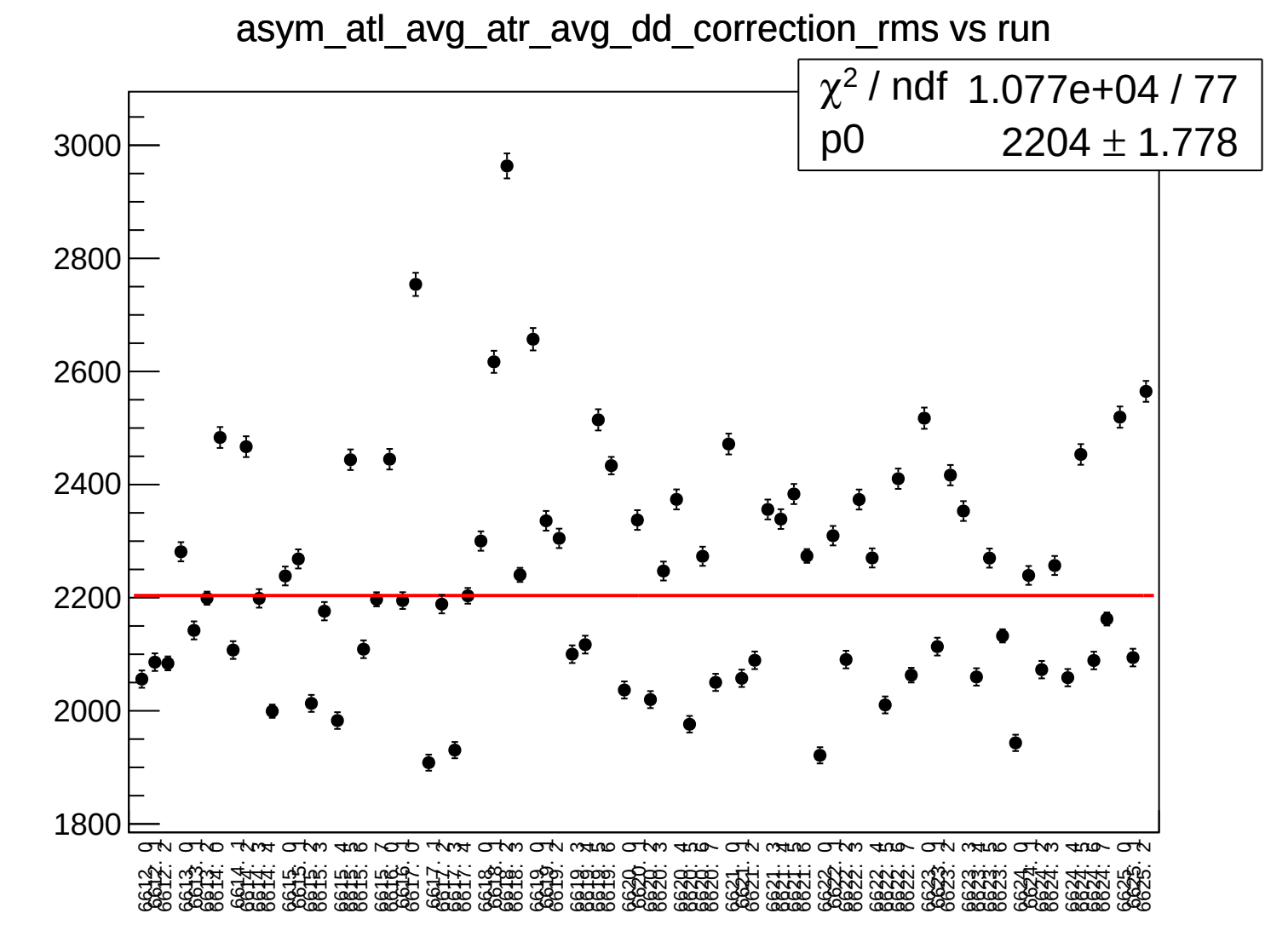

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 66.59 / 77
p0 674.9 ± 2548
pull
Entries 78
Mean −450
Std Dev 485

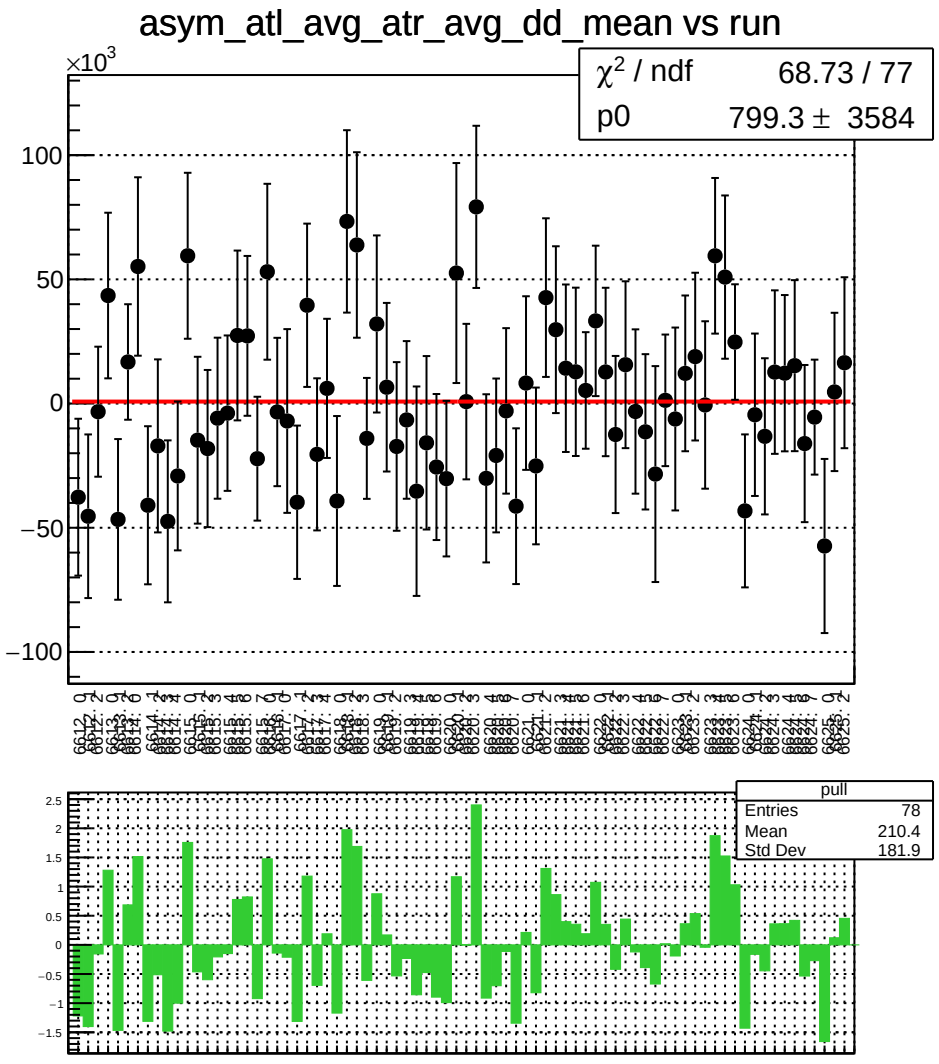

pull1D
Entries 78
Mean −0.005106
Std Dev 0.924

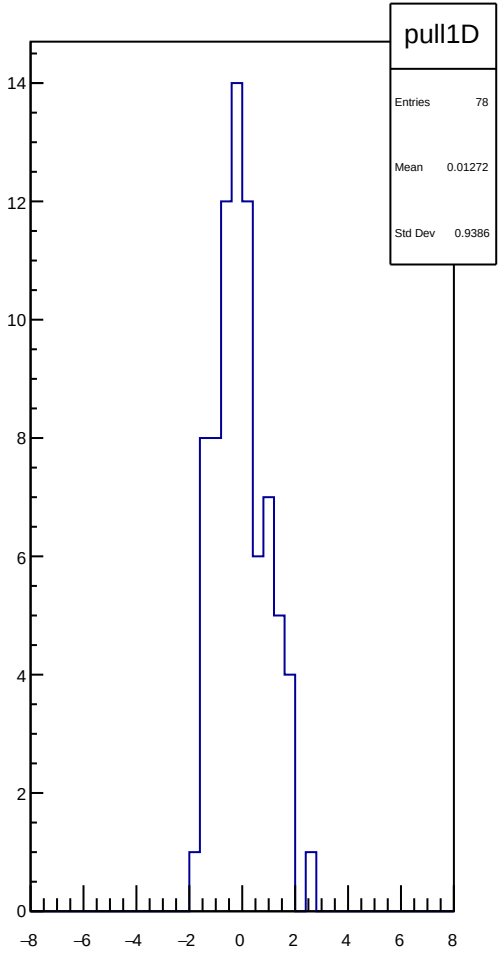

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 9039 / 77
p0 2235 ± 1.802
3600
3400
3200
3000
2800
2600
2400
2200
2000

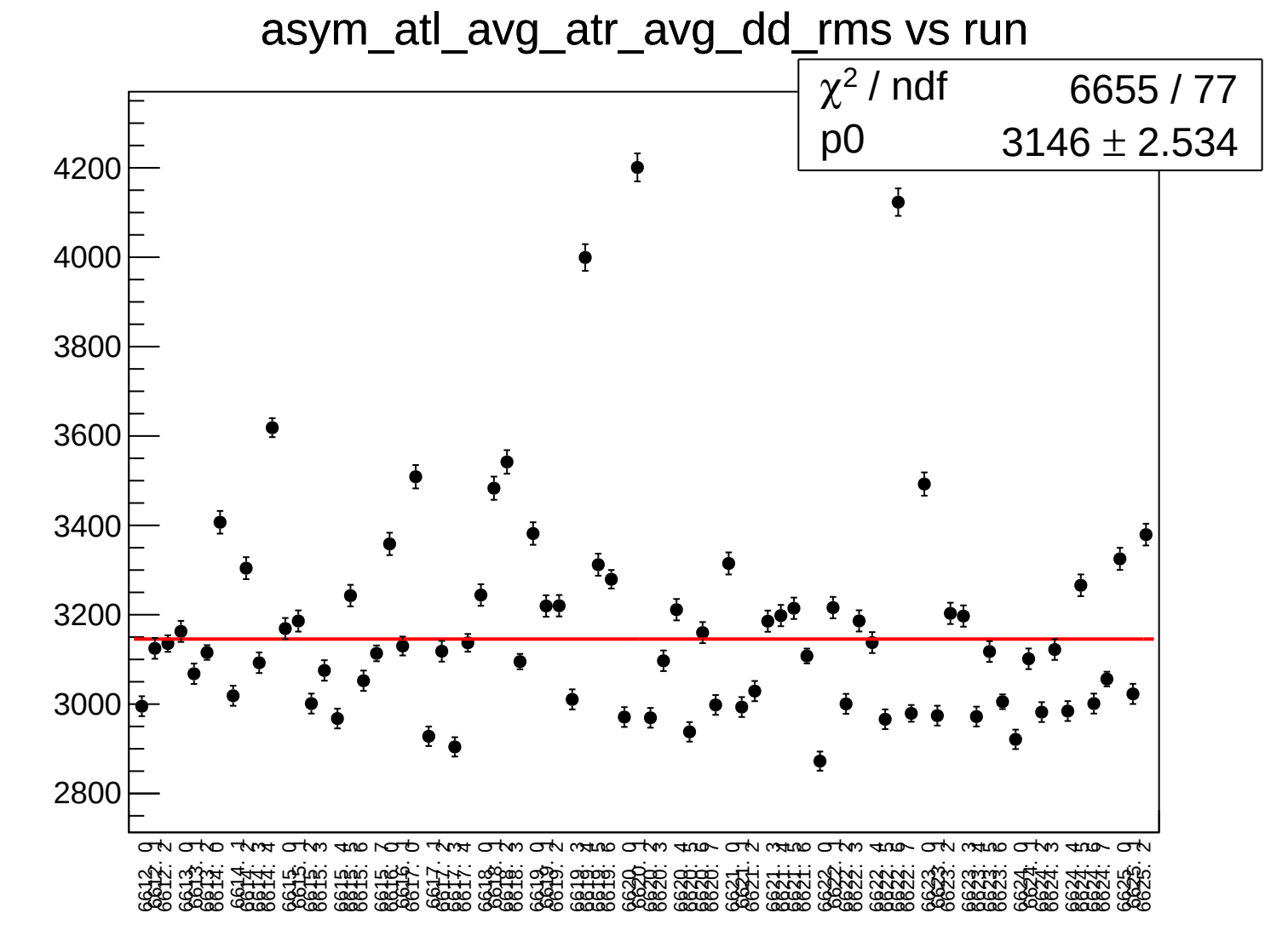

asym_atl_avg_atr_avg_dd_correction_mean vs run
×10^3
χ² / ndf 74.72 / 77
p0 −266.2 ± 2514
pull
Entries 78
Mean 51.47
Std Dev 49.46

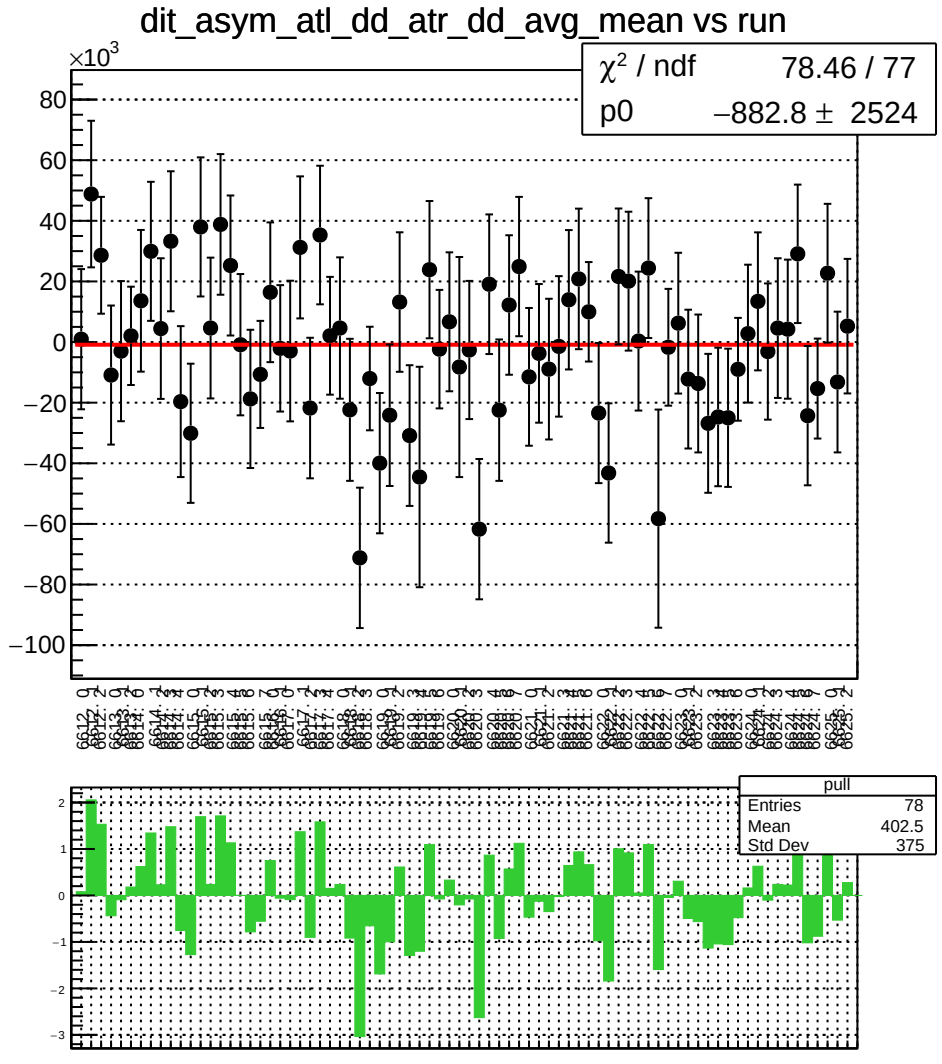

pull1D
Entries 78
Mean −0.02189
Std Dev 0.9785

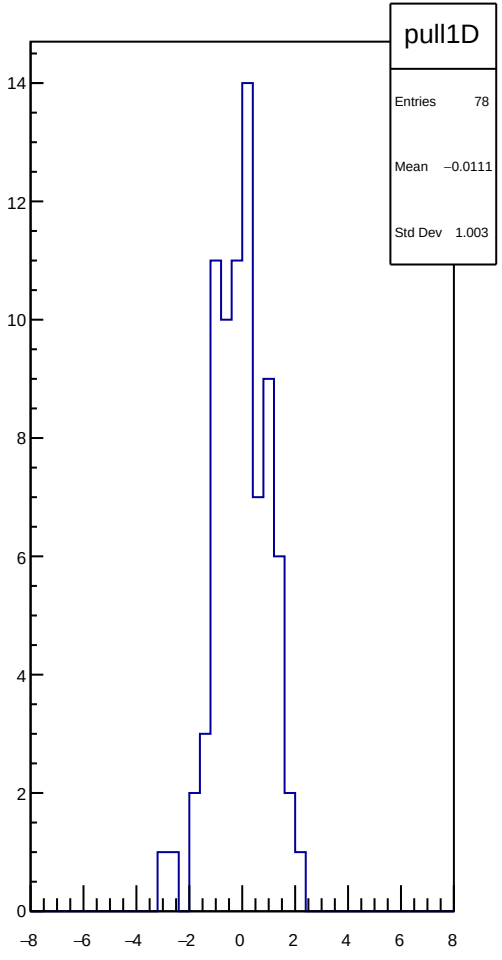

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 1.077e+04 / 77
p0 2204 ± 1.778
3000
2800
2600
2400
2200
2000
1800

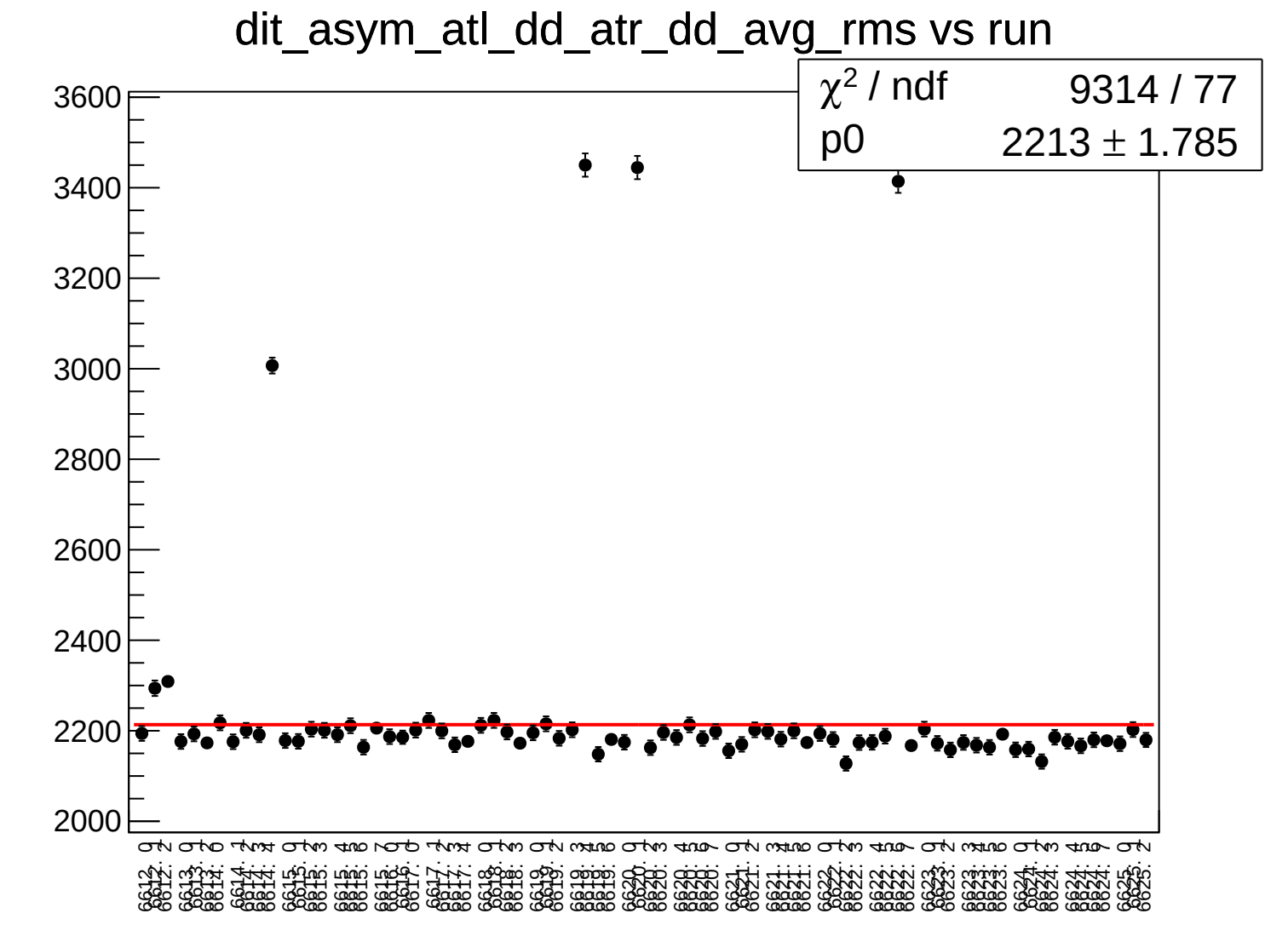

asym_atl_avg_atr_avg_dd_mean vs run
×10^3
χ² / ndf 68.73 / 77
p0 799.3 ± 3584
100
50
0
−50
−100
pull
Entries 78
Mean 210.4
Std Dev 181.9
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

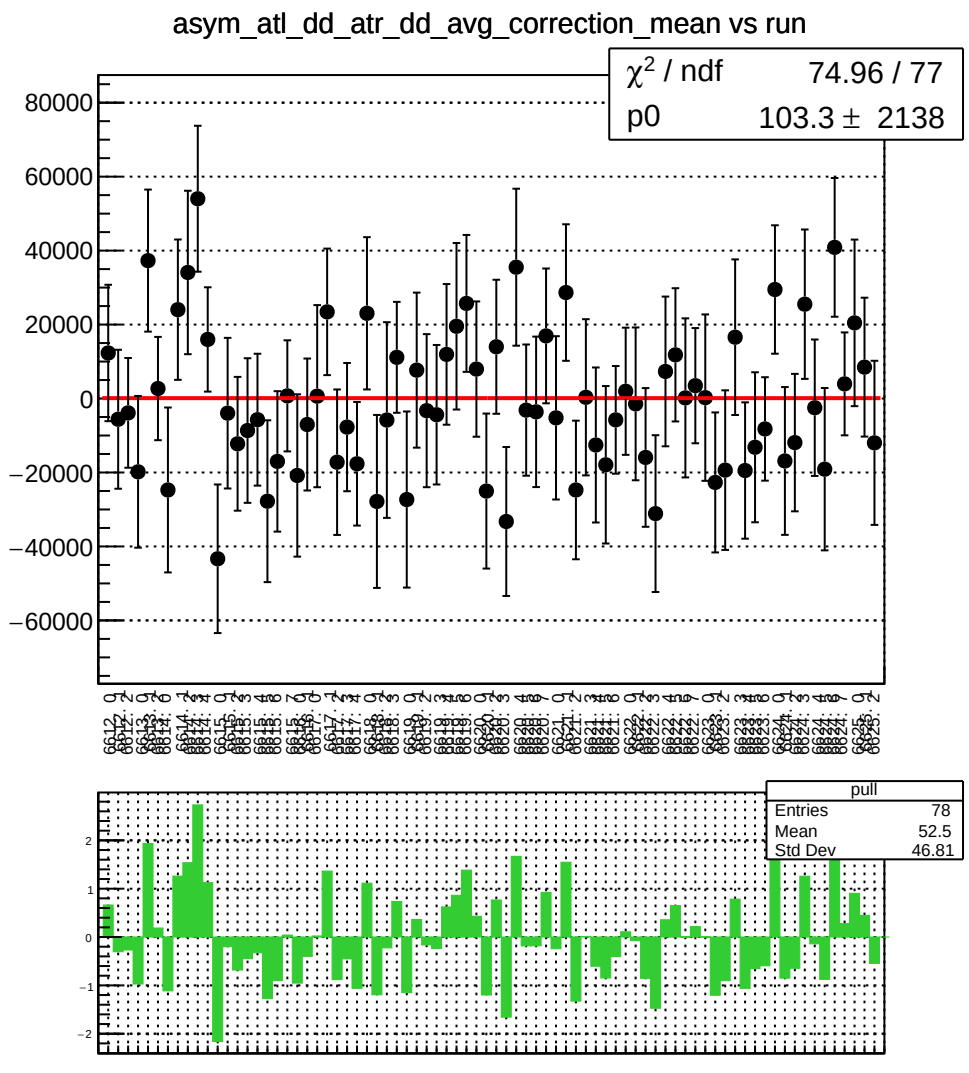

pull1D
Entries 78
Mean 0.01272
Std Dev 0.9386
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

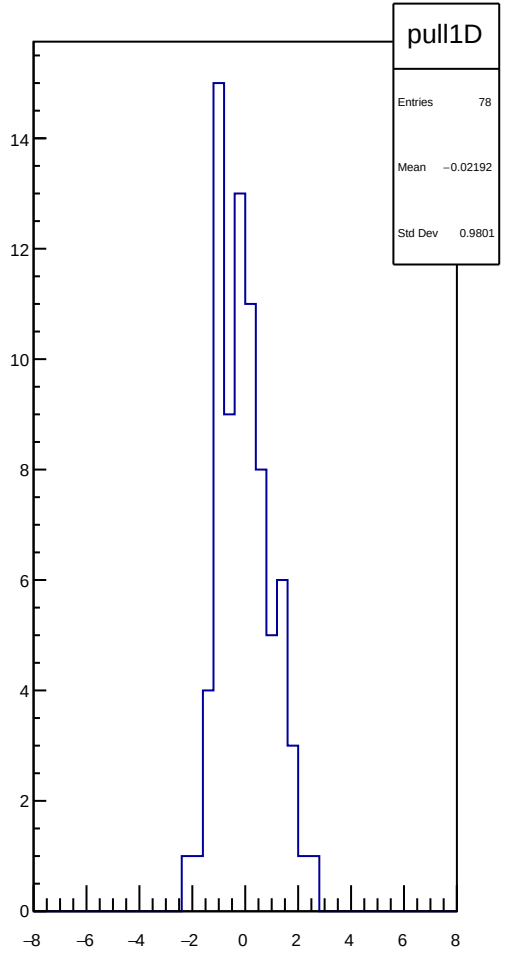

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 6655 / 77
p0 3146 ± 2.534
4200
4000
3800
3600
3400
3200
3000
2800

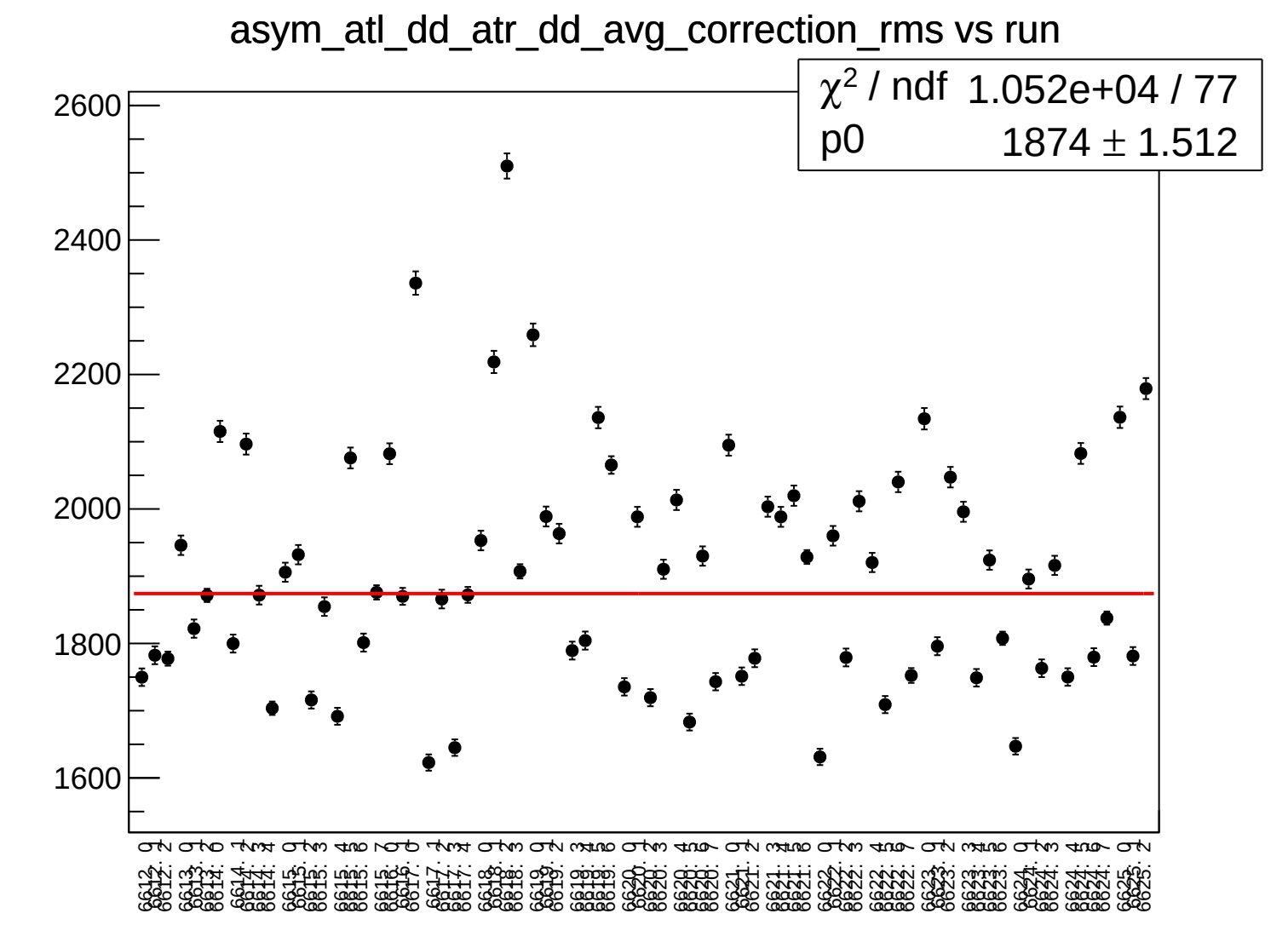

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 78.46 / 77
p0 −882.8 ± 2524
×10³
pull
Entries 78
Mean 402.5
Std Dev 375

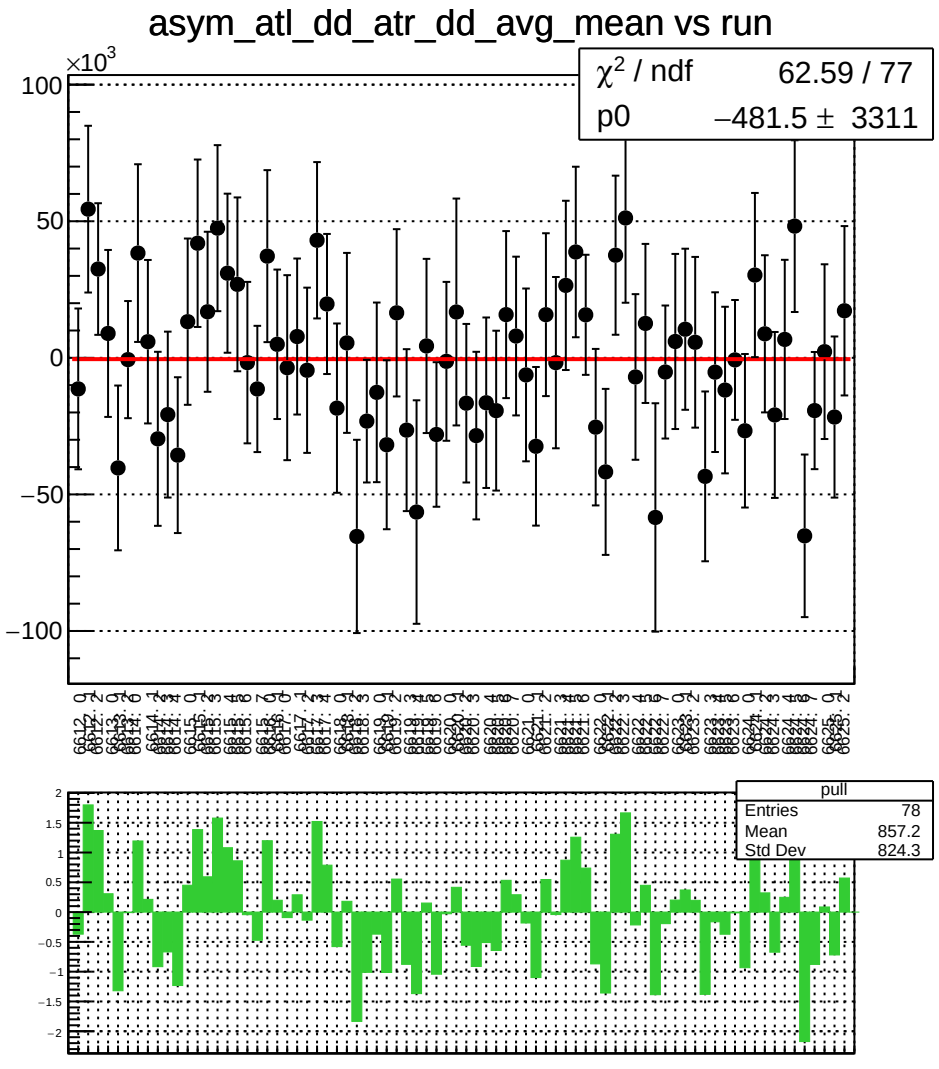

pull1D
Entries 78
Mean −0.0111
Std Dev 1.003

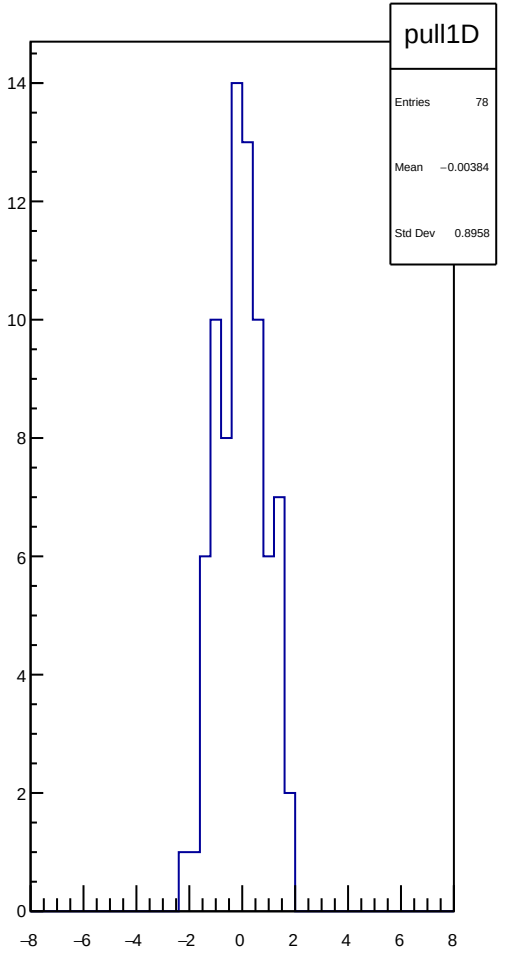

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 9314 / 77
p0 2213 ± 1.785
3600
3400
3200
3000
2800
2600
2400
2200
2000

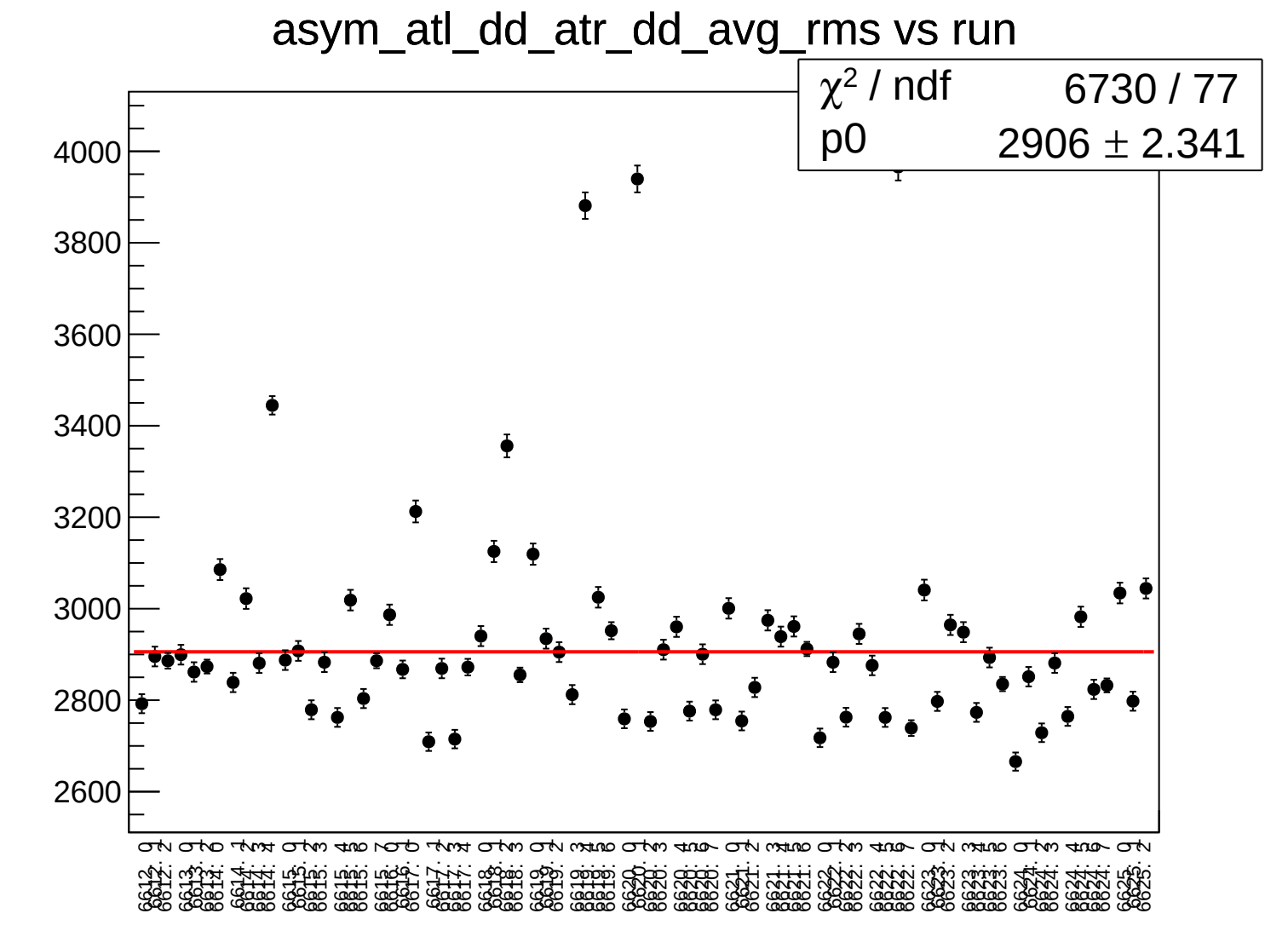

asym_atl_dd_atr_dd_avg_correction_mean vs run
χ² / ndf 74.96 / 77
p0 103.3 ± 2138
pull
Entries 78
Mean 52.5
Std Dev 46.81

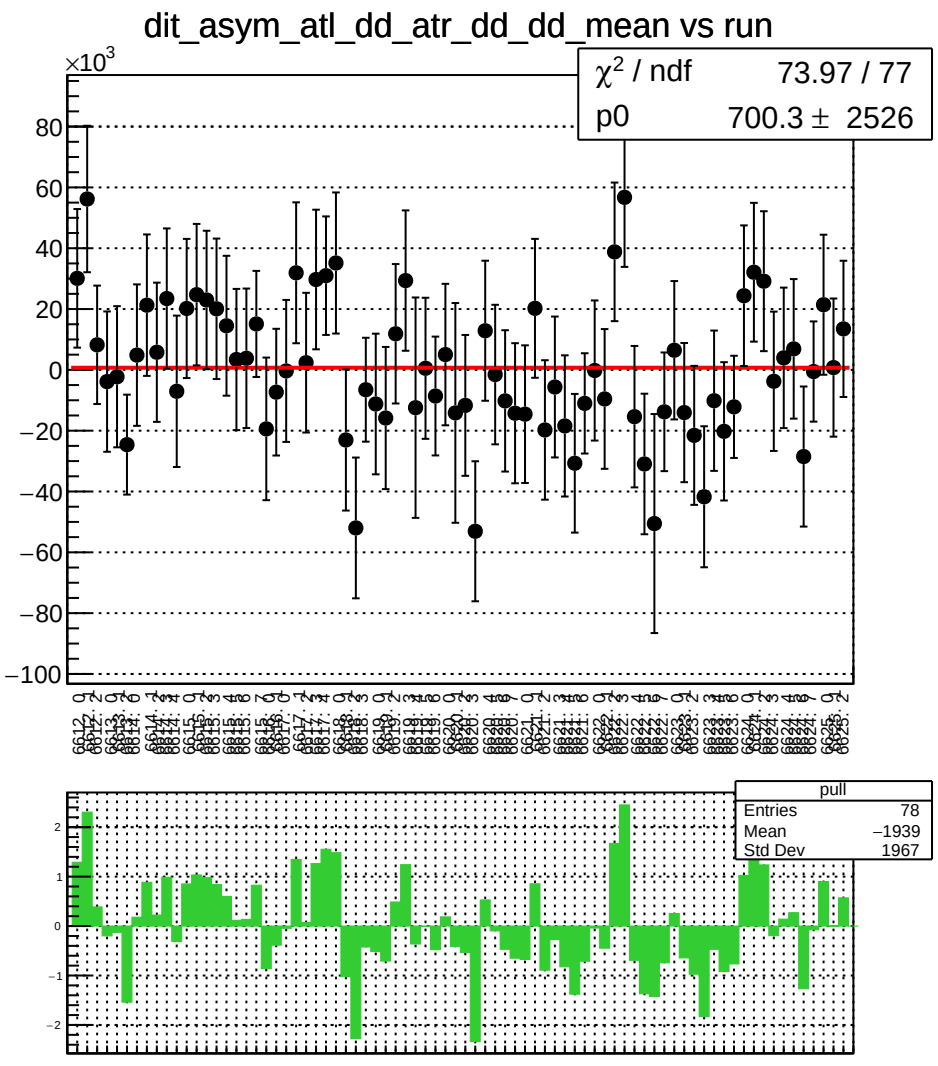

pull1D
Entries 78
Mean −0.02192
Std Dev 0.9801

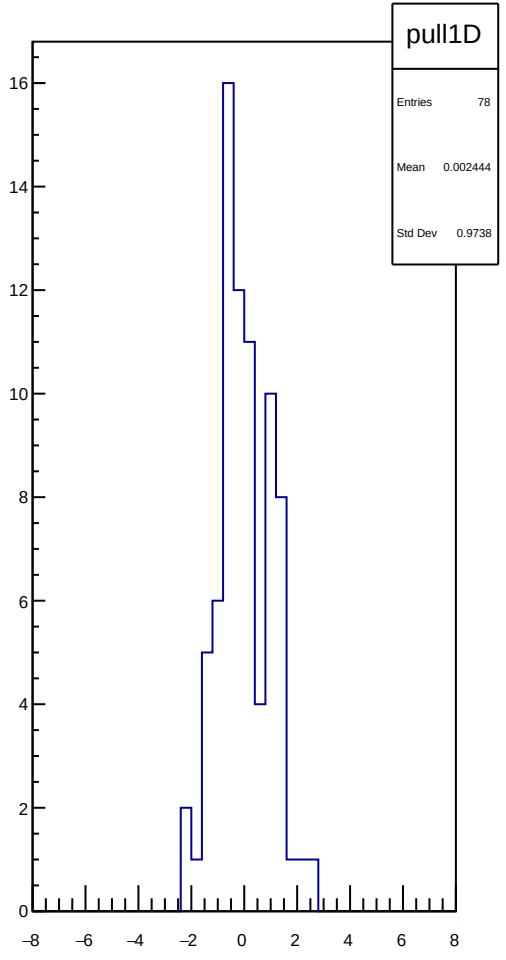

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 1.052e+04 / 77
p0 1874 ± 1.512
2600
2400
2200
2000
1800
1600

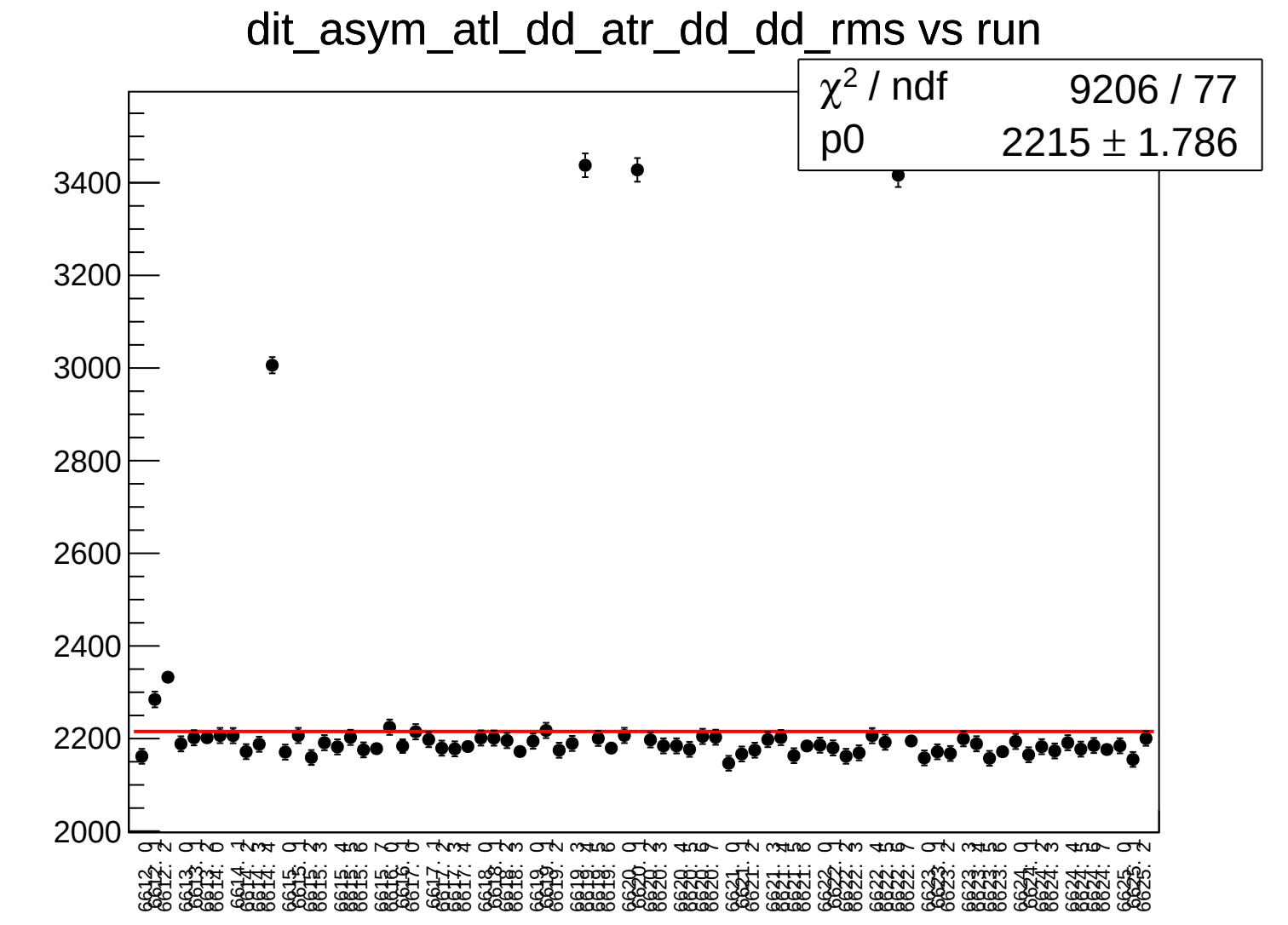

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 62.59 / 77
p0 −481.5 ± 3311
100
50
0
−50
−100
pull
Entries 78
Mean 857.2
Std Dev 824.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 78
Mean −0.00384
Std Dev 0.8958
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

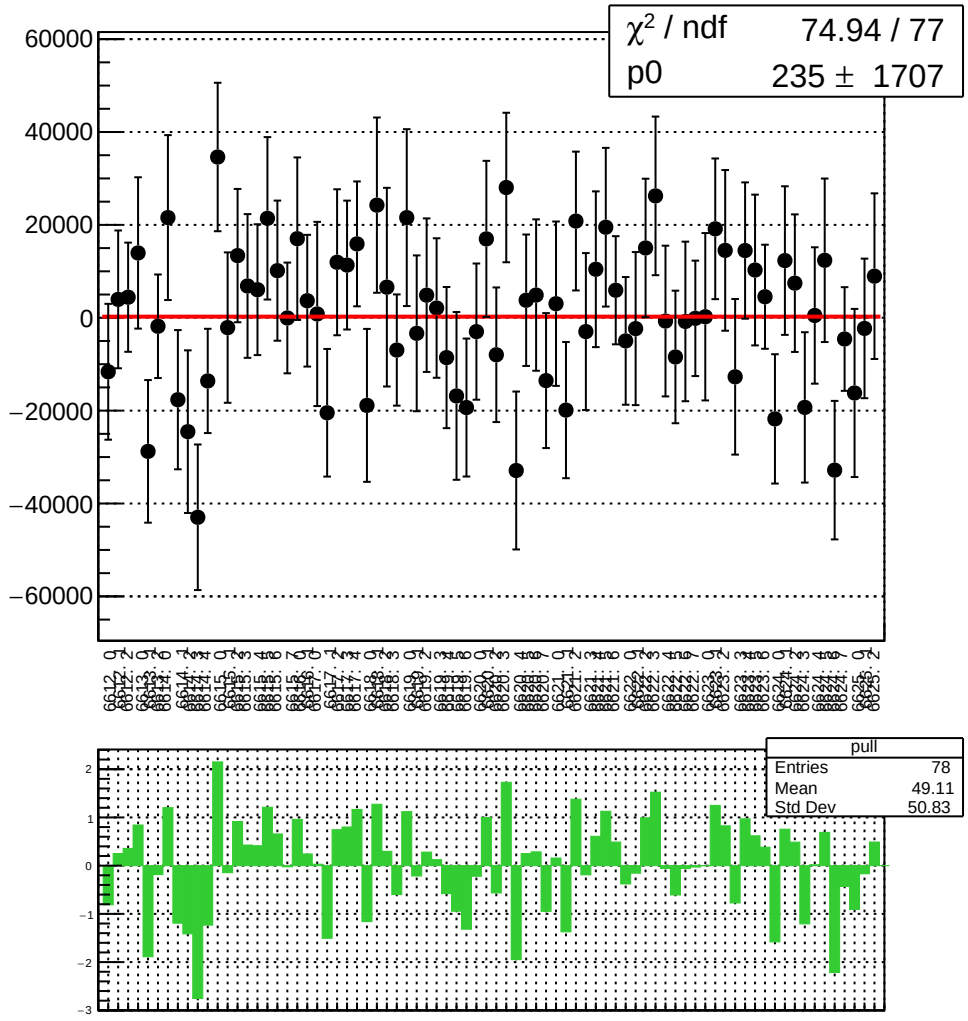

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 6730 / 77
p0 2906 ± 2.341
4000
3800
3600
3400
3200
3000
2800
2600

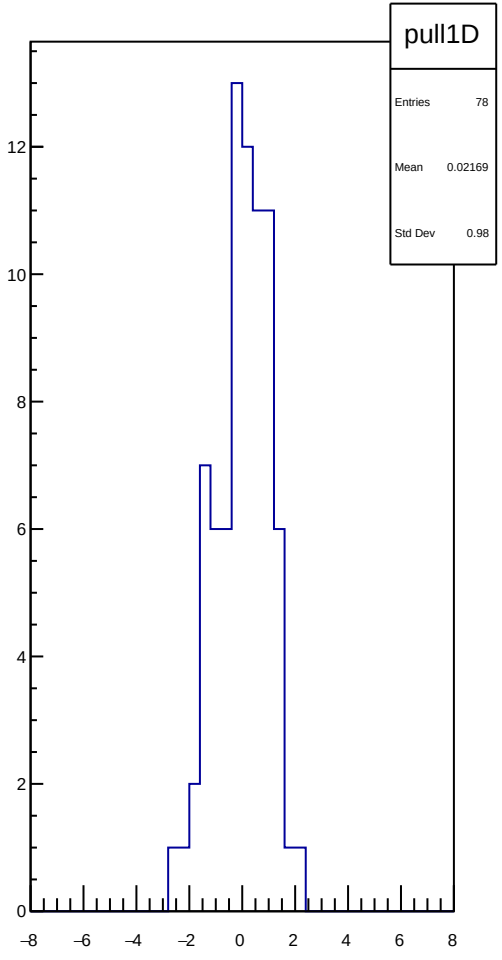

dit_asym_atl_dd_atr_dd_dd_mean vs run
×10^3
χ² / ndf 73.97 / 77
p0 700.3 ± 2526
pull
Entries 78
Mean −1939
Std Dev 1967

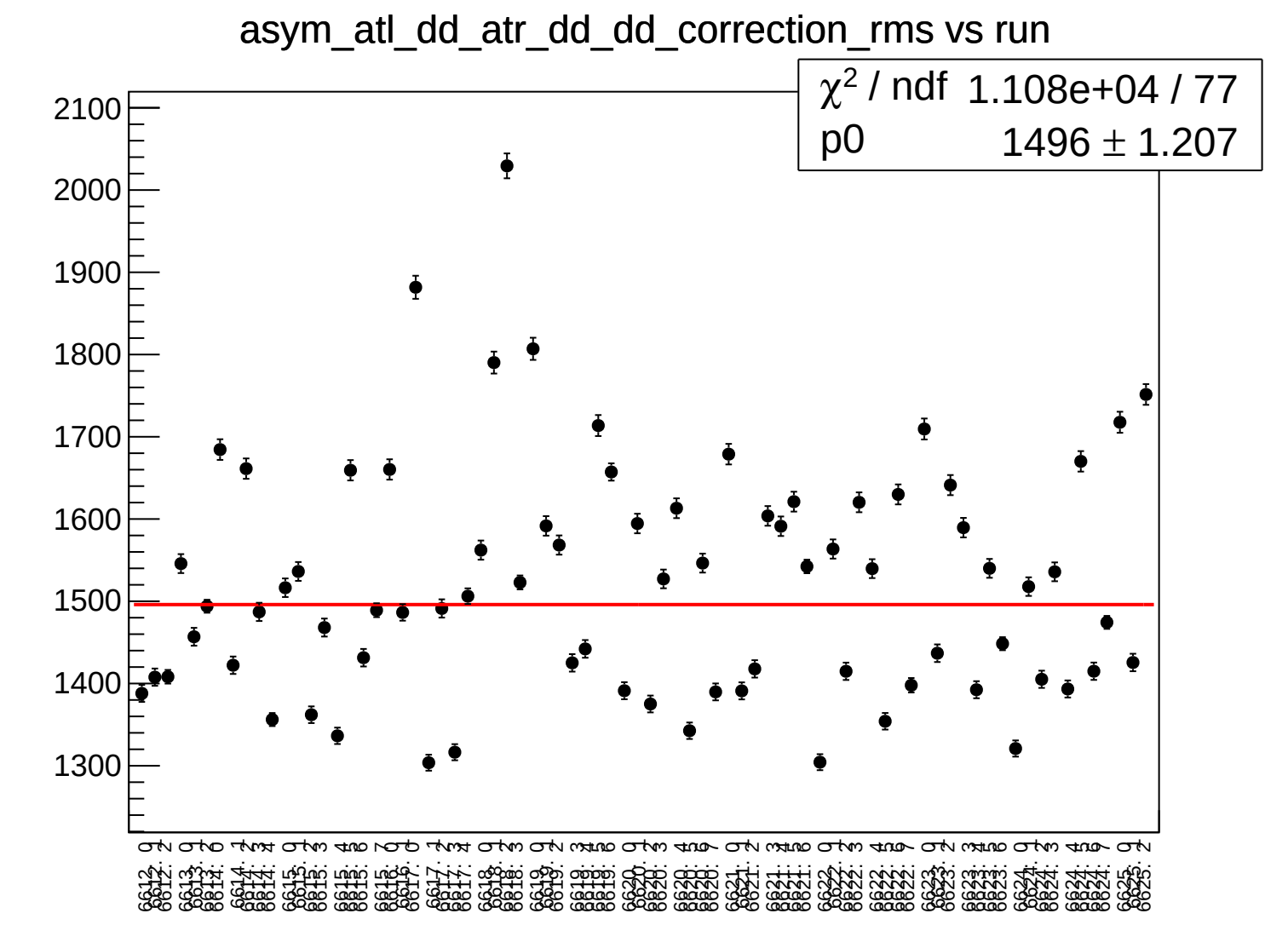

pull1D
Entries 78
Mean 0.002444
Std Dev 0.9738

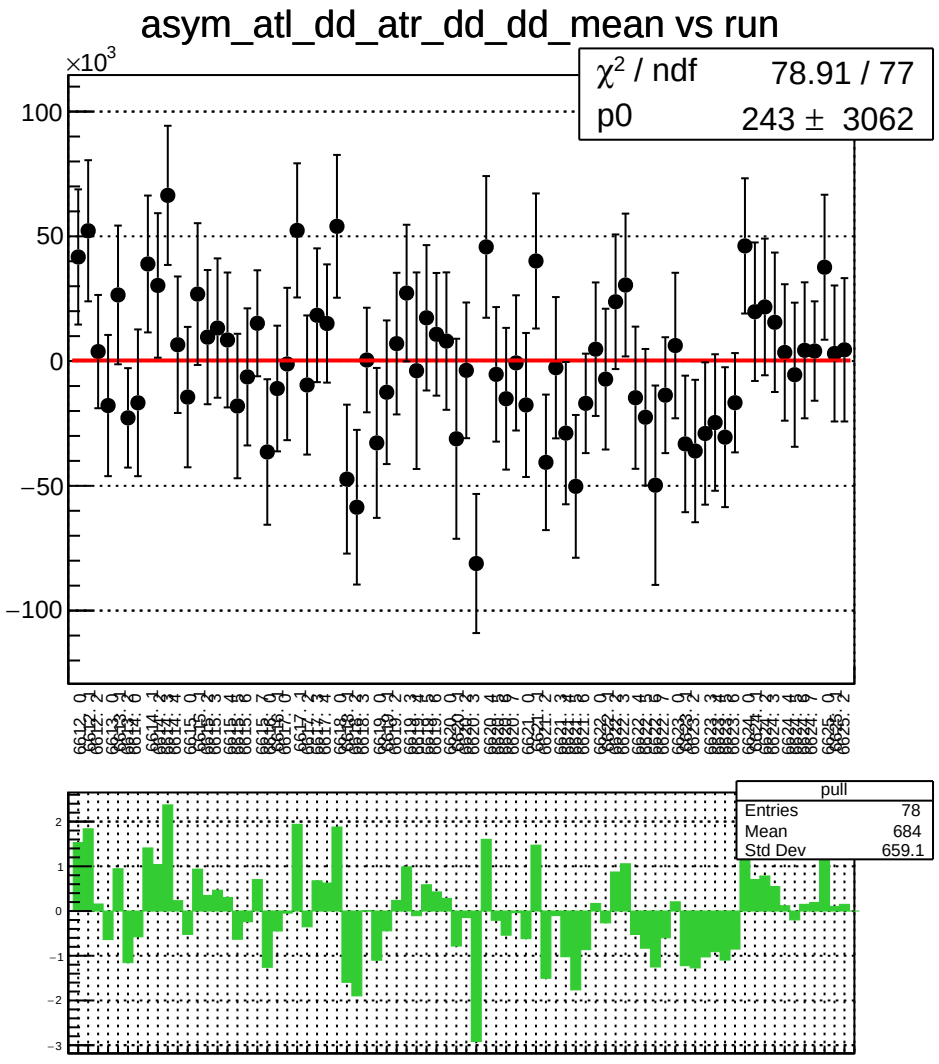

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 9206 / 77
p0 2215 ± 1.786
3400
3200
3000
2800
2600
2400
2200
2000

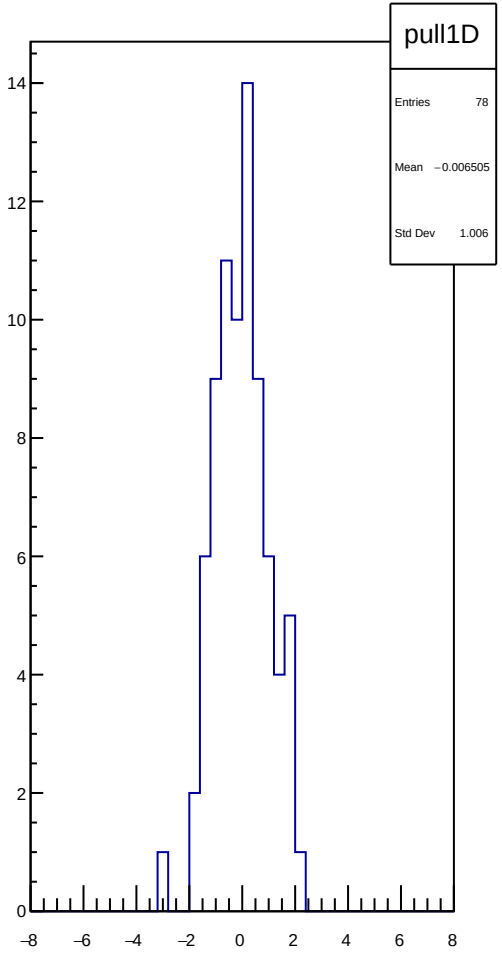
asym_atl_dd_atr_dd_dd_correction_mean vs run

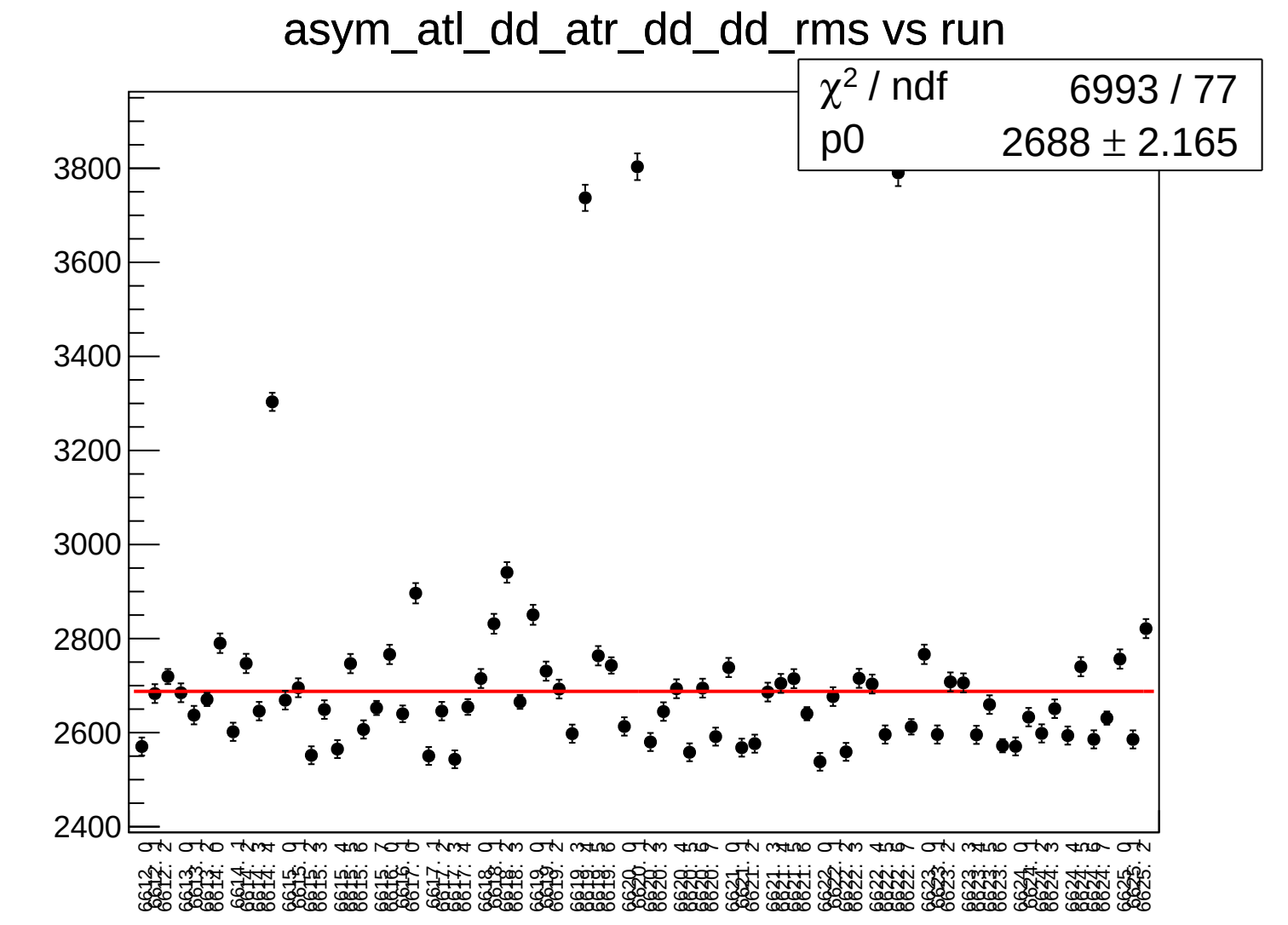


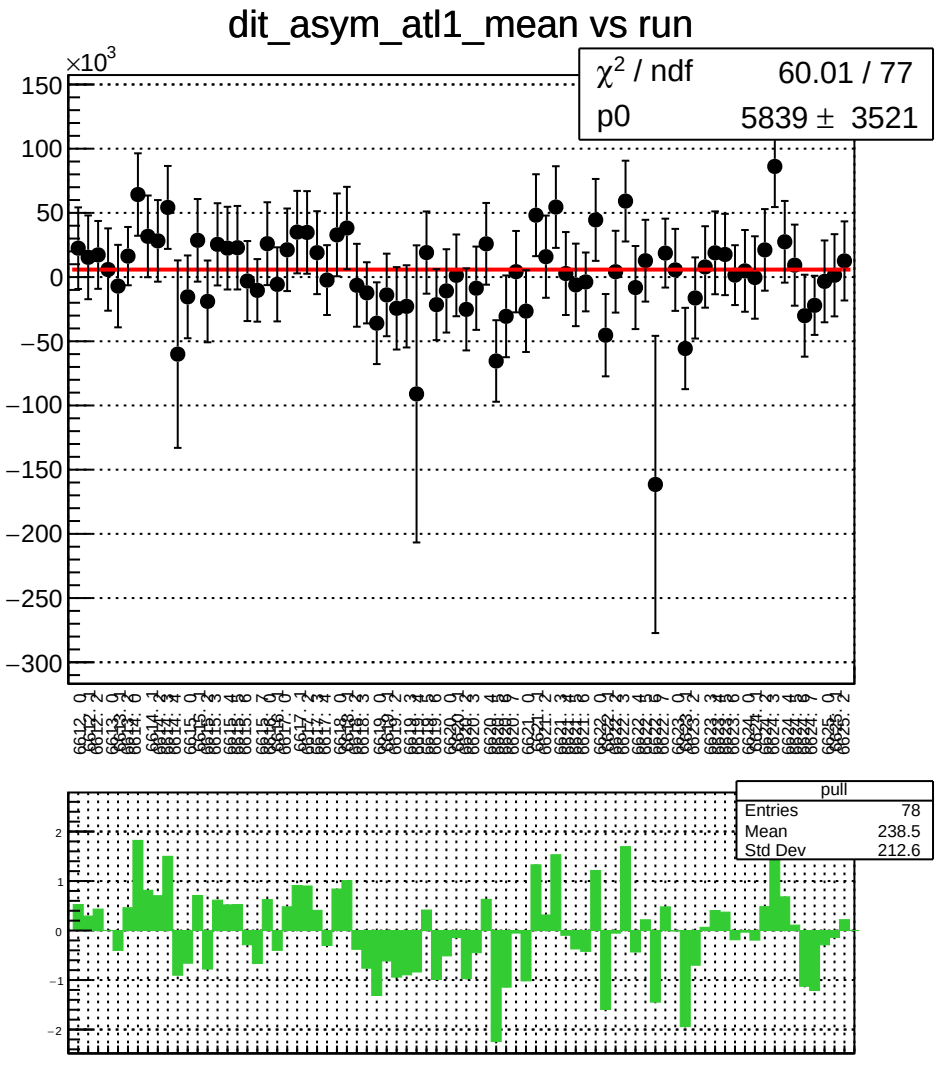


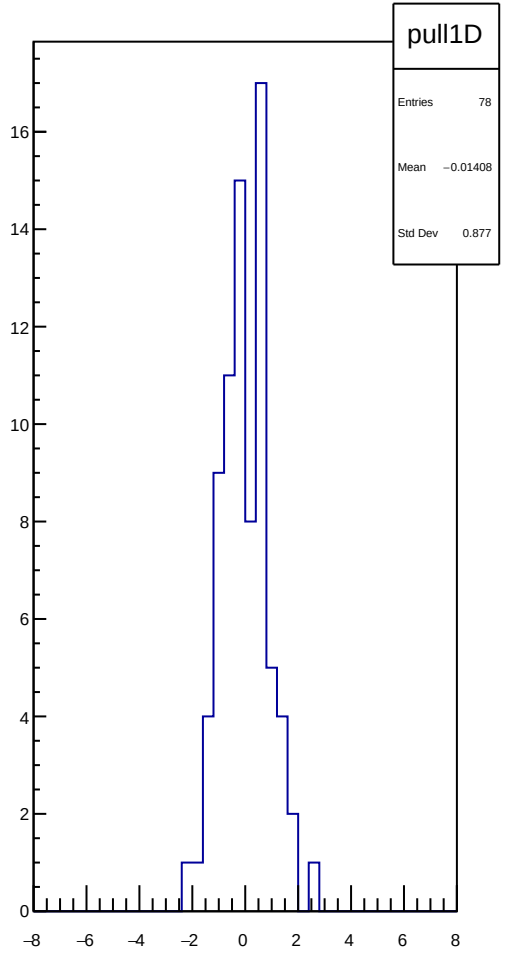

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 1.108e+04 / 77
p0 1496 ± 1.207
2100
2000
1900
1800
1700
1600
1500
1400
1300

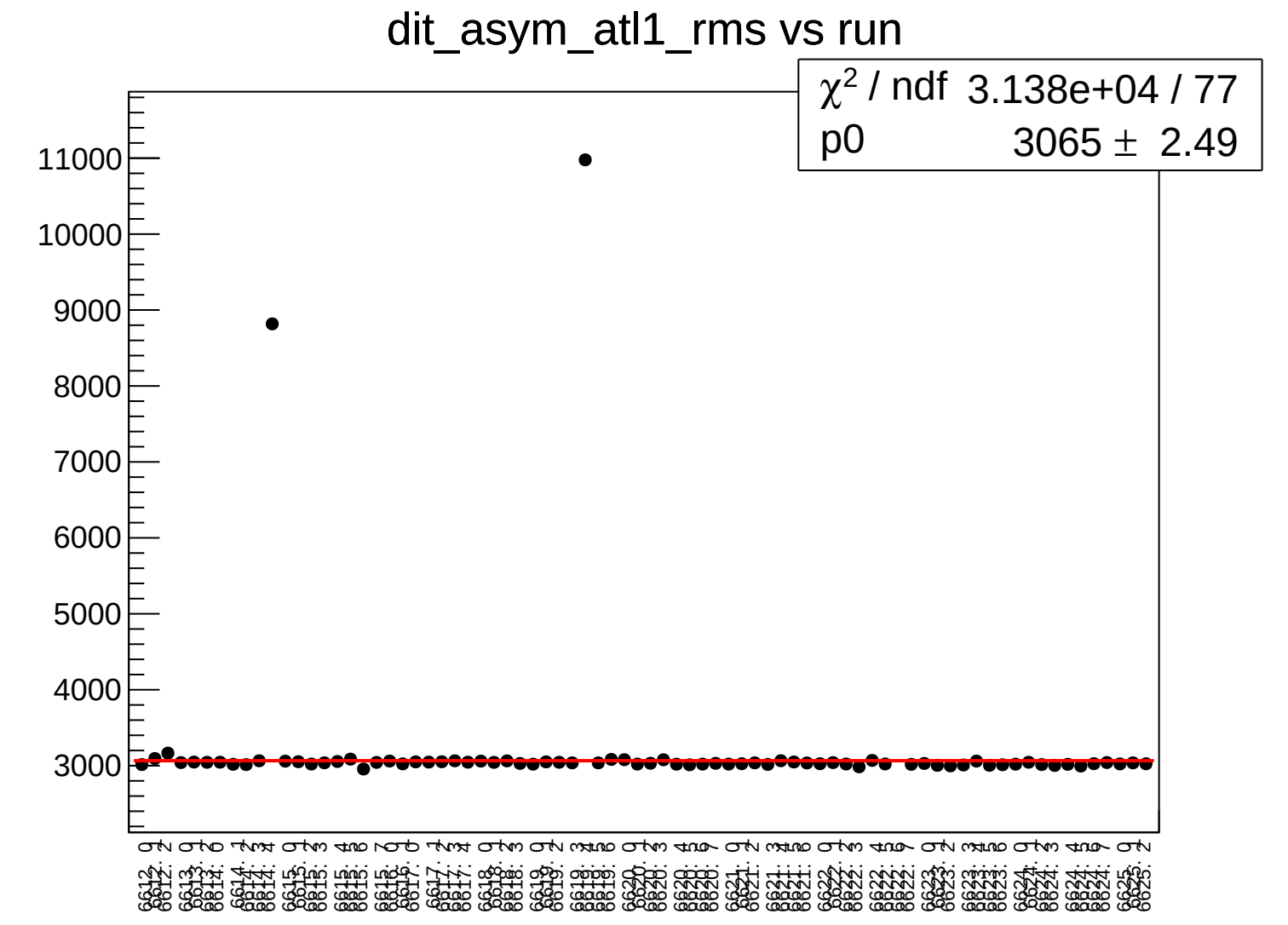

asym_atl_dd_atr_dd_dd_mean vs run
×10^3
χ² / ndf 78.91 / 77
p0 243 ± 3062
pull
Entries 78
Mean 684
Std Dev 659.1

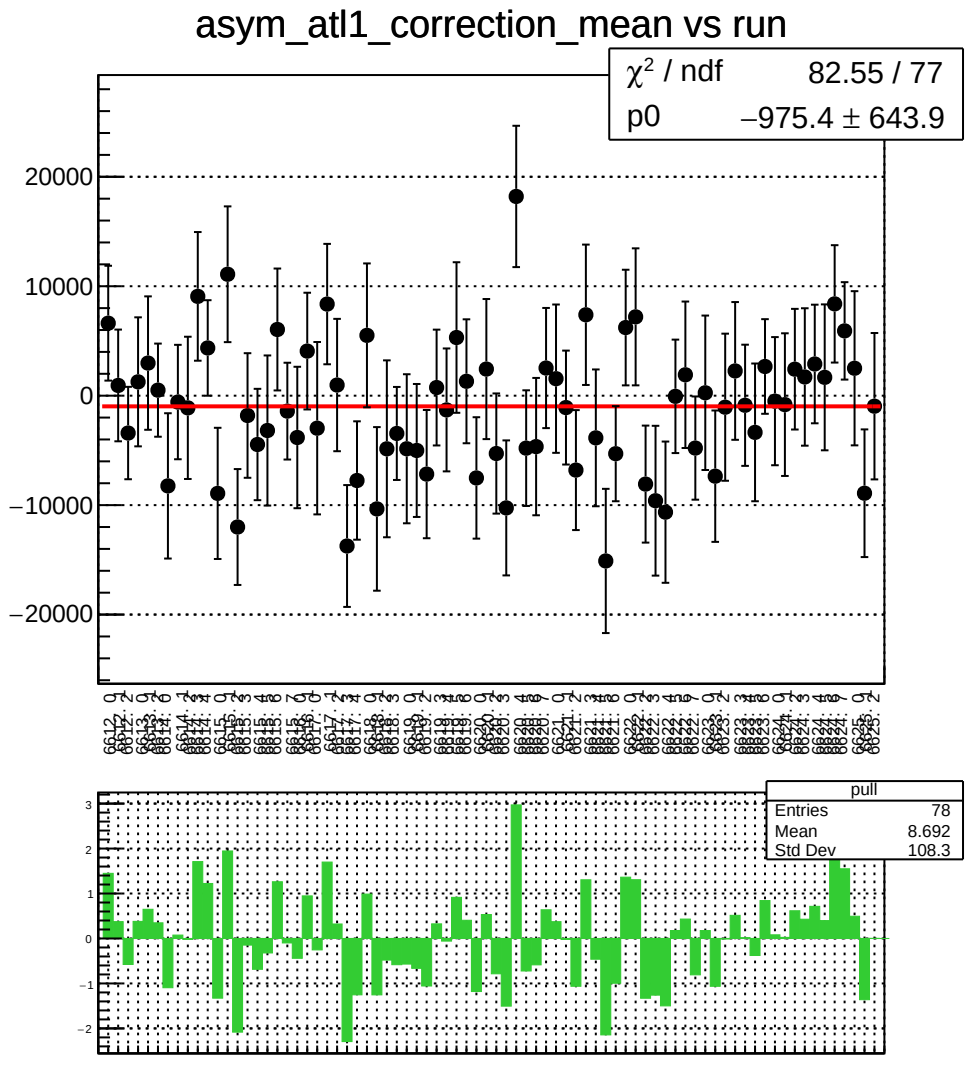

pull1D
Entries 78
Mean −0.006505
Std Dev 1.006

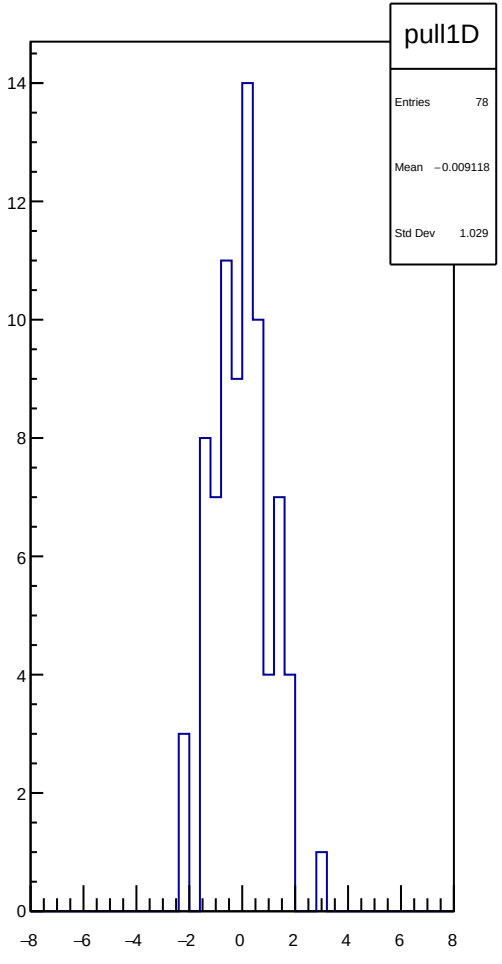

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 6993 / 77
p0 2688 ± 2.165
3800
3600
3400
3200
3000
2800
2600
2400

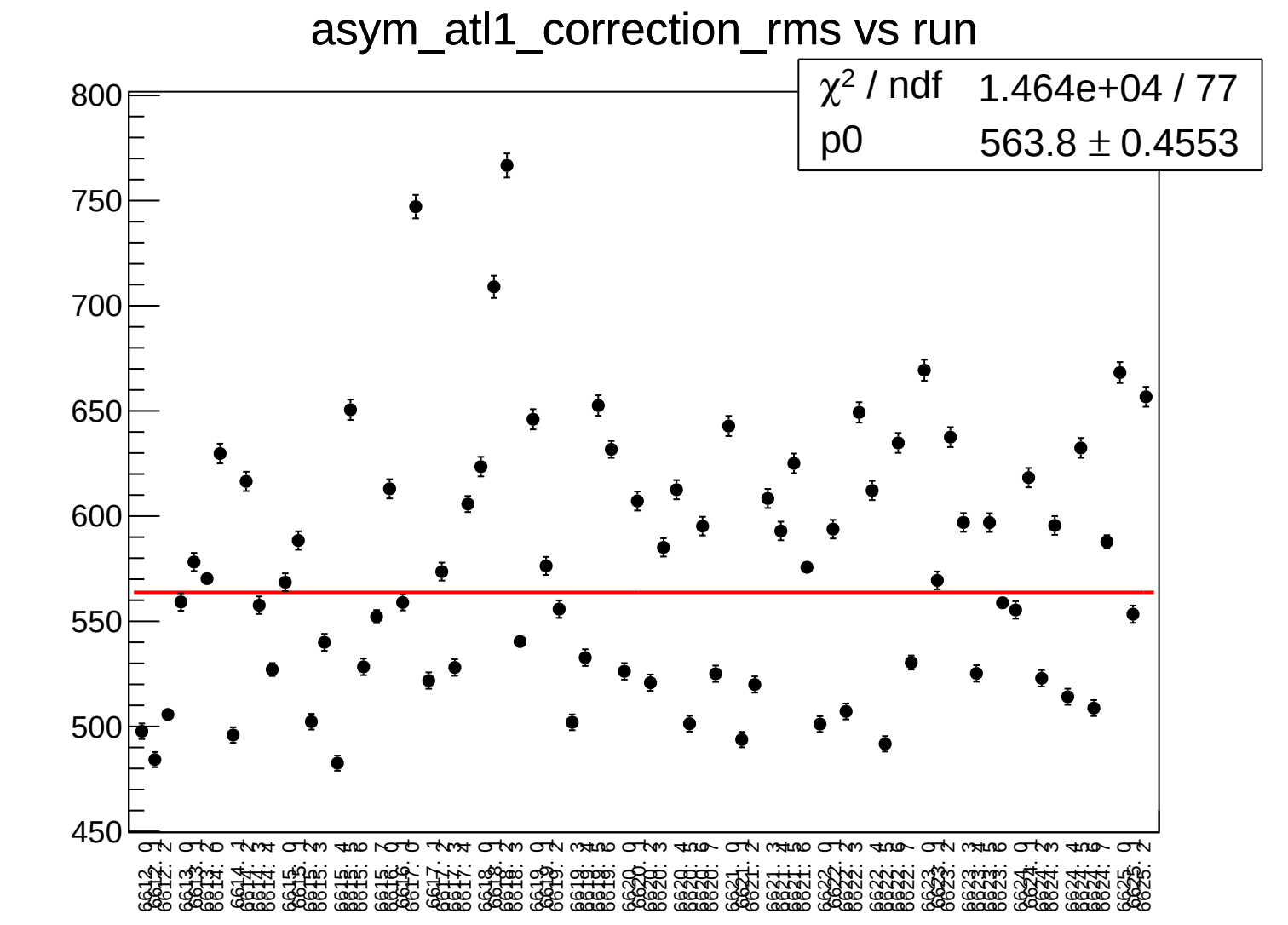

dit_asym_atl1_mean vs run
×10^3
χ^2 / ndf 60.01 / 77
p0 5839 ± 3521
150
100
50
0
−50
−100
−150
−200
−250
−300
pull
Entries 78
Mean 238.5
Std Dev 212.6
2
1
0
−1
−2

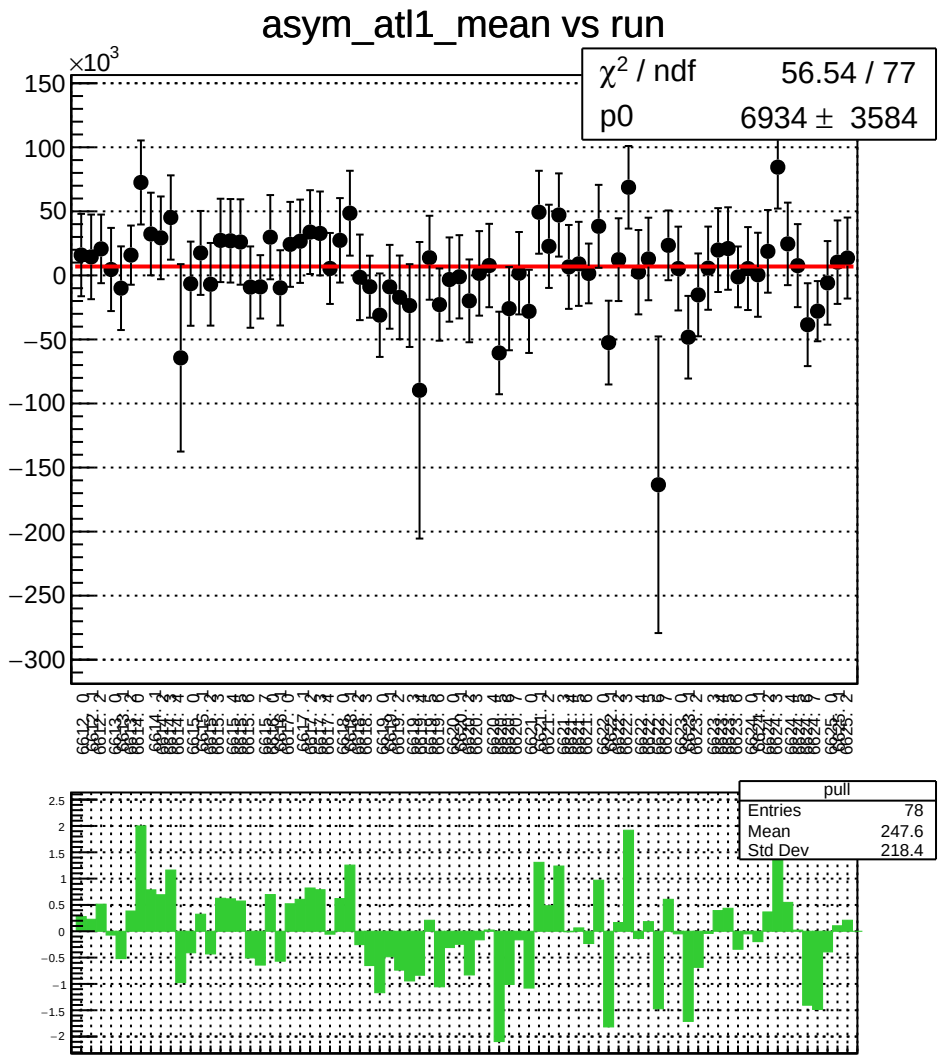

pull1D
Entries 78
Mean −0.01408
Std Dev 0.877
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

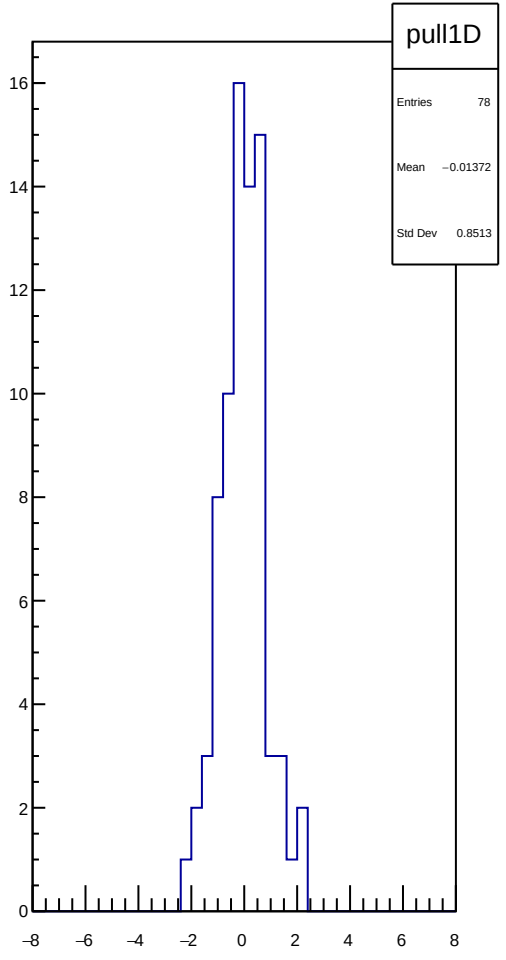

dit_asym_atl1_rms vs run
χ² / ndf 3.138e+04 / 77
p0 3065 ± 2.49
11000
10000
9000
8000
7000
6000
5000
4000
3000

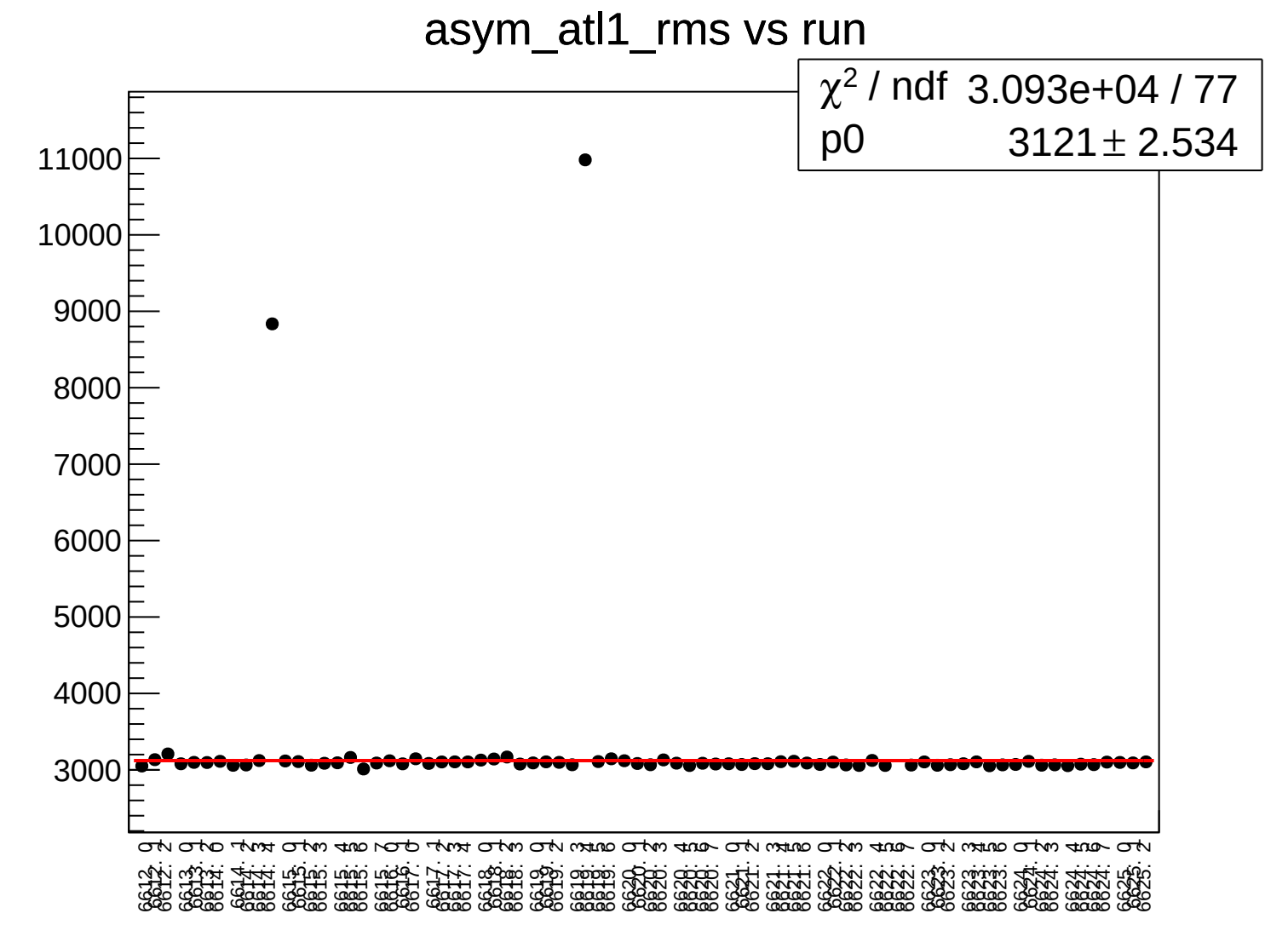

asym_atl1_correction_mean vs run
χ² / ndf 82.55 / 77
p0 −975.4 ± 643.9
20000
10000
0
−10000
−20000
pull
Entries 78
Mean 8.692
Std Dev 108.3
3
2
1
0
−1
−2

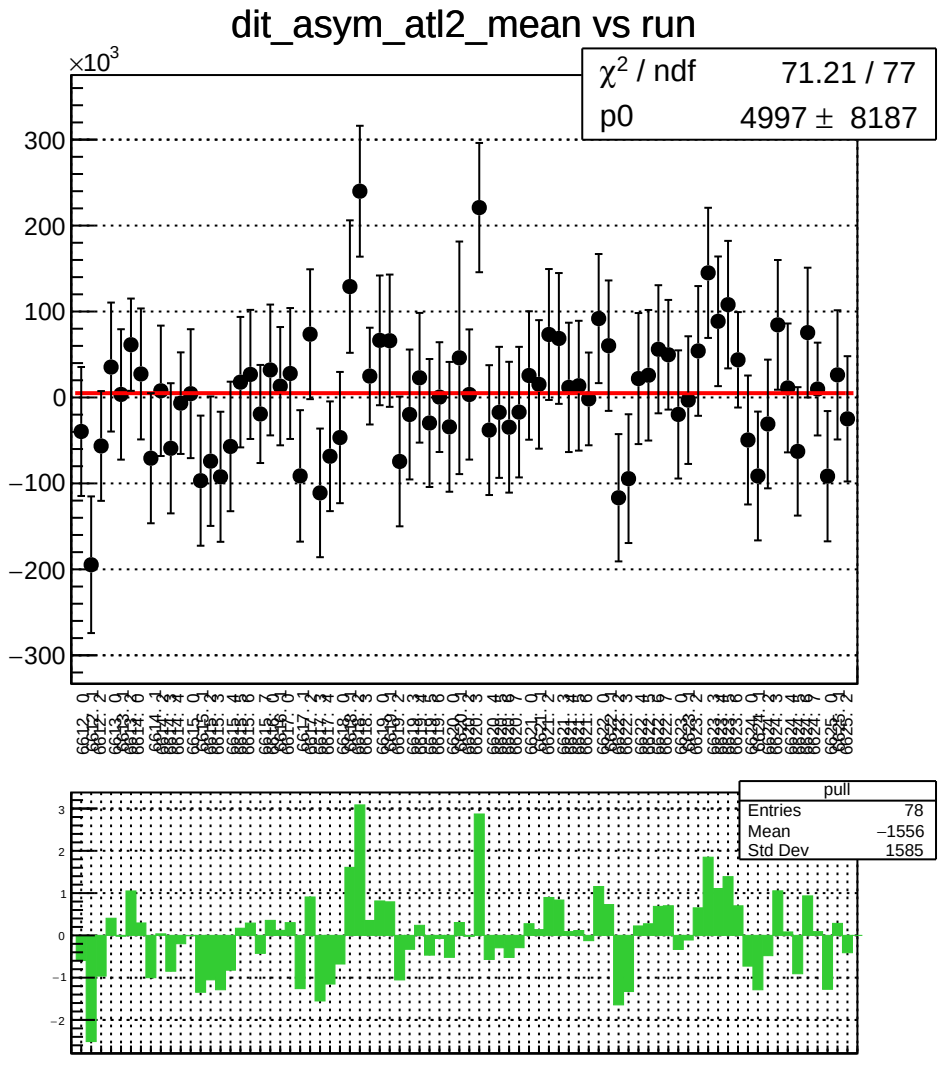

pull1D
Entries 78
Mean −0.009118
Std Dev 1.029
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

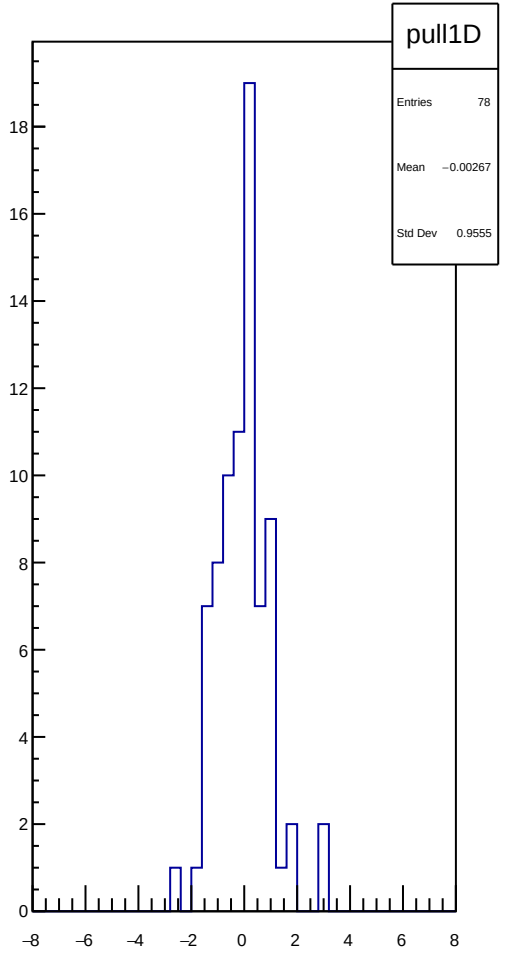

asym_atl1_correction_rms vs run
χ² / ndf 1.464e+04 / 77
p0 563.8 ± 0.4553
800
750
700
650
600
550
500
450

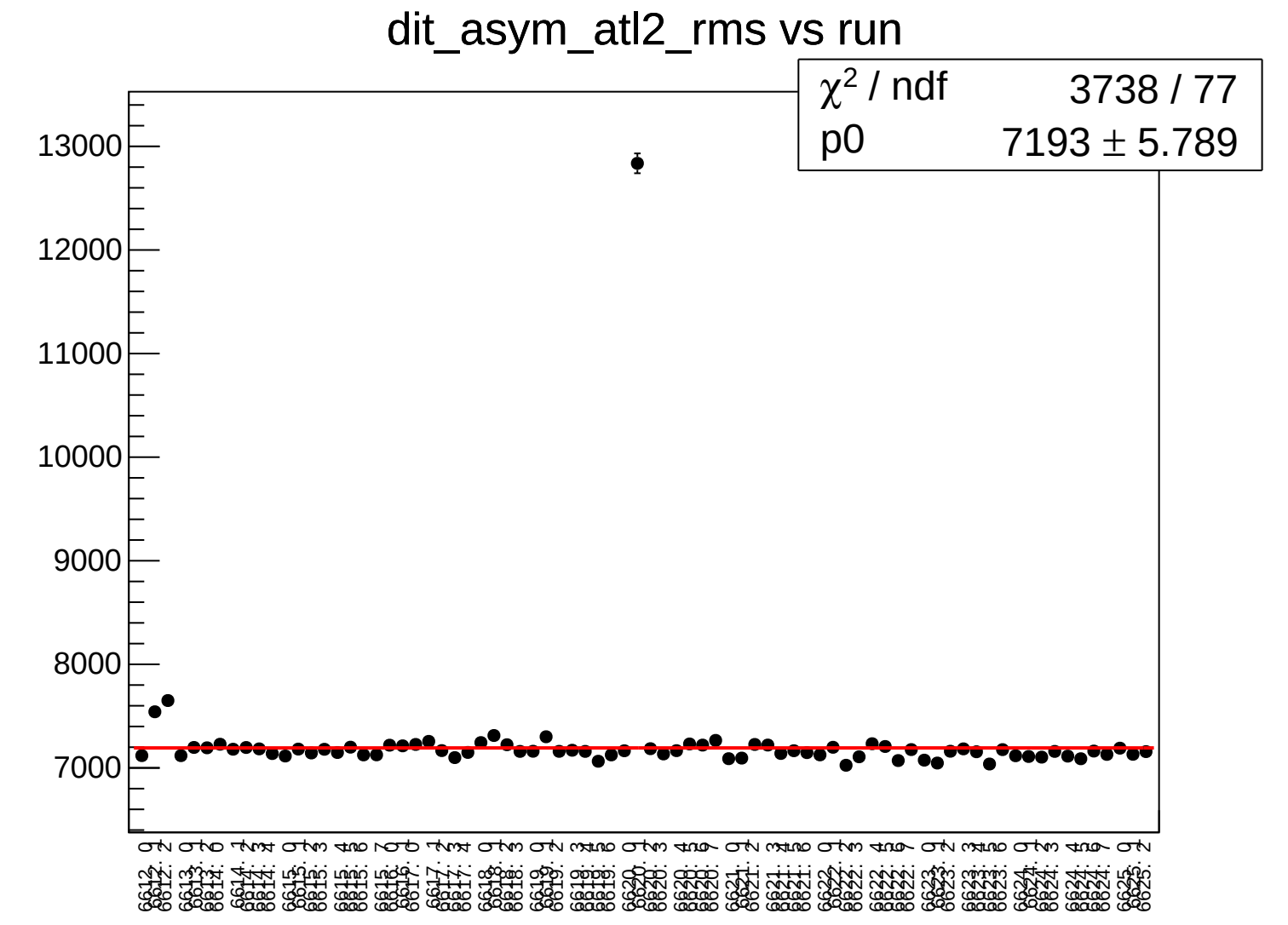

asym_atl1_mean vs run
×10^3
χ^2 / ndf 56.54 / 77
p0 6934 ± 3584
150
100
50
0
−50
−100
−150
−200
−250
−300
pull
Entries 78
Mean 247.6
Std Dev 218.4
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

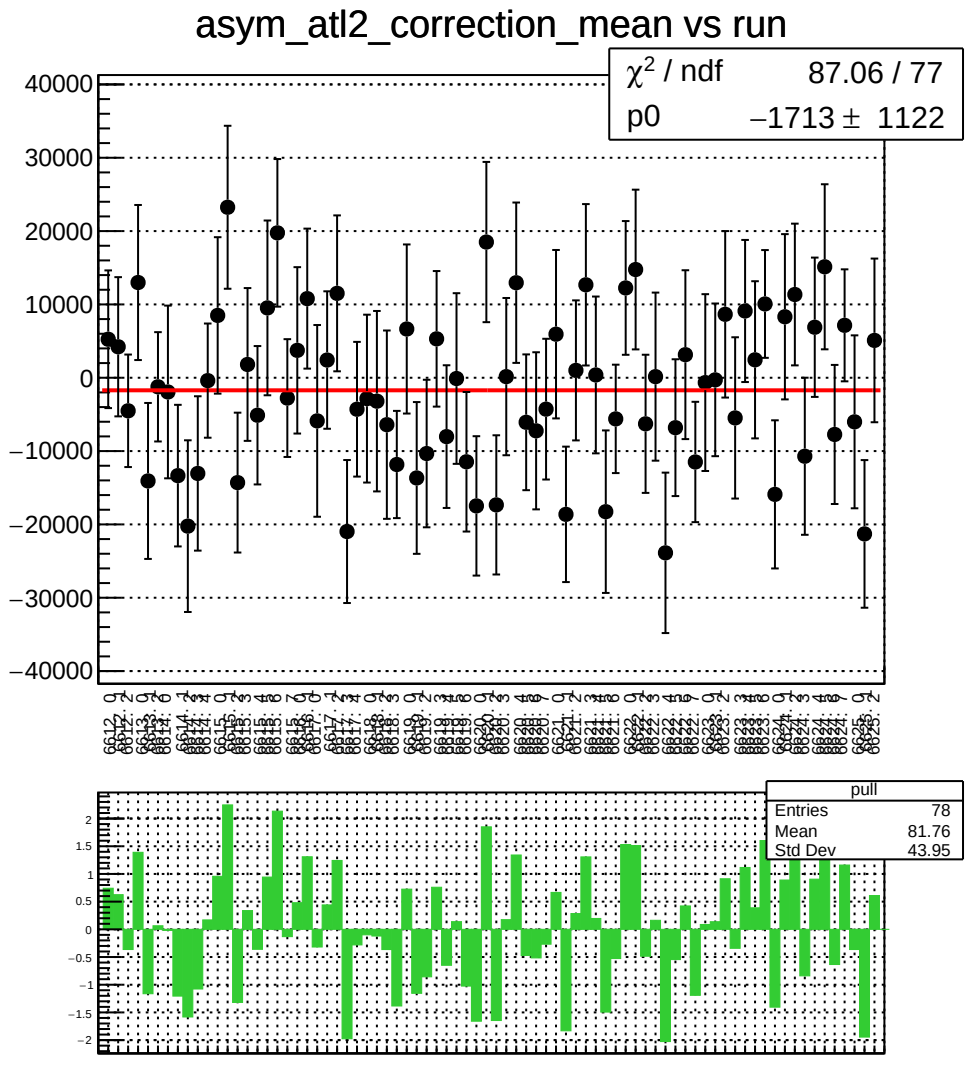

pull1D
Entries 78
Mean −0.01372
Std Dev 0.8513
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

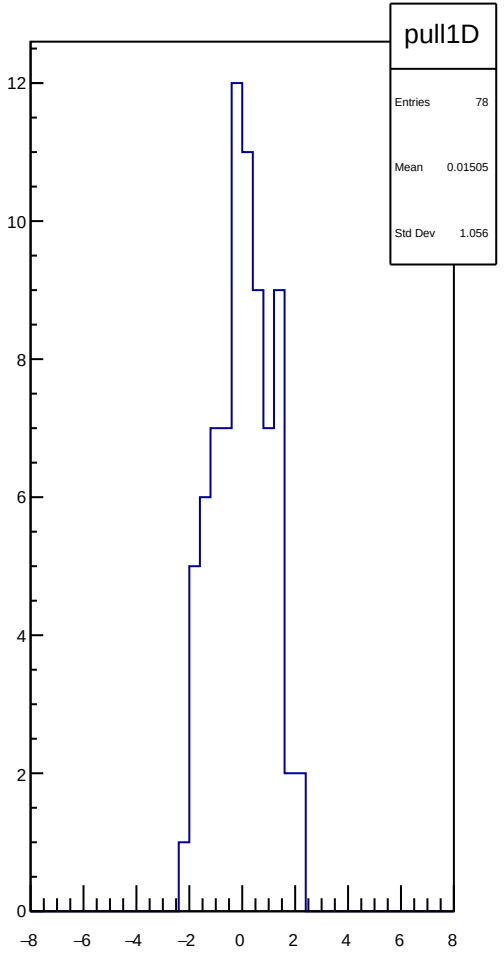

asym_atl1_rms vs run
χ^2 / ndf 3.093e+04 / 77
p0 3121 ± 2.534
11000
10000
9000
8000
7000
6000
5000
4000
3000

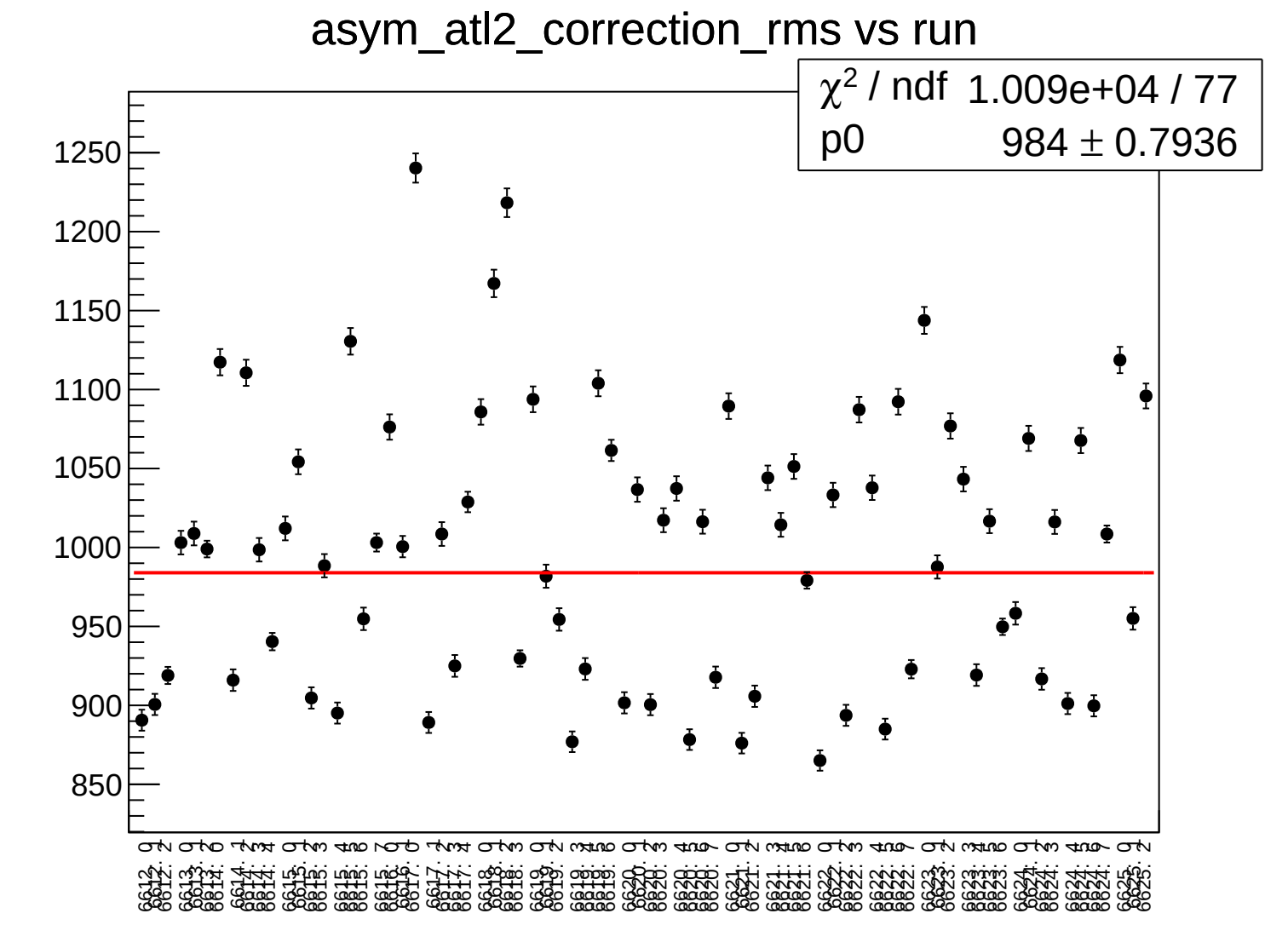

dit_asym_atl2_mean vs run
×10^3
χ^2 / ndf 71.21 / 77
p0 4997 ± 8187
300
200
100
0
−100
−200
−300
pull
Entries 78
Mean −1556
Std Dev 1585
3
2
1
0
−1
−2

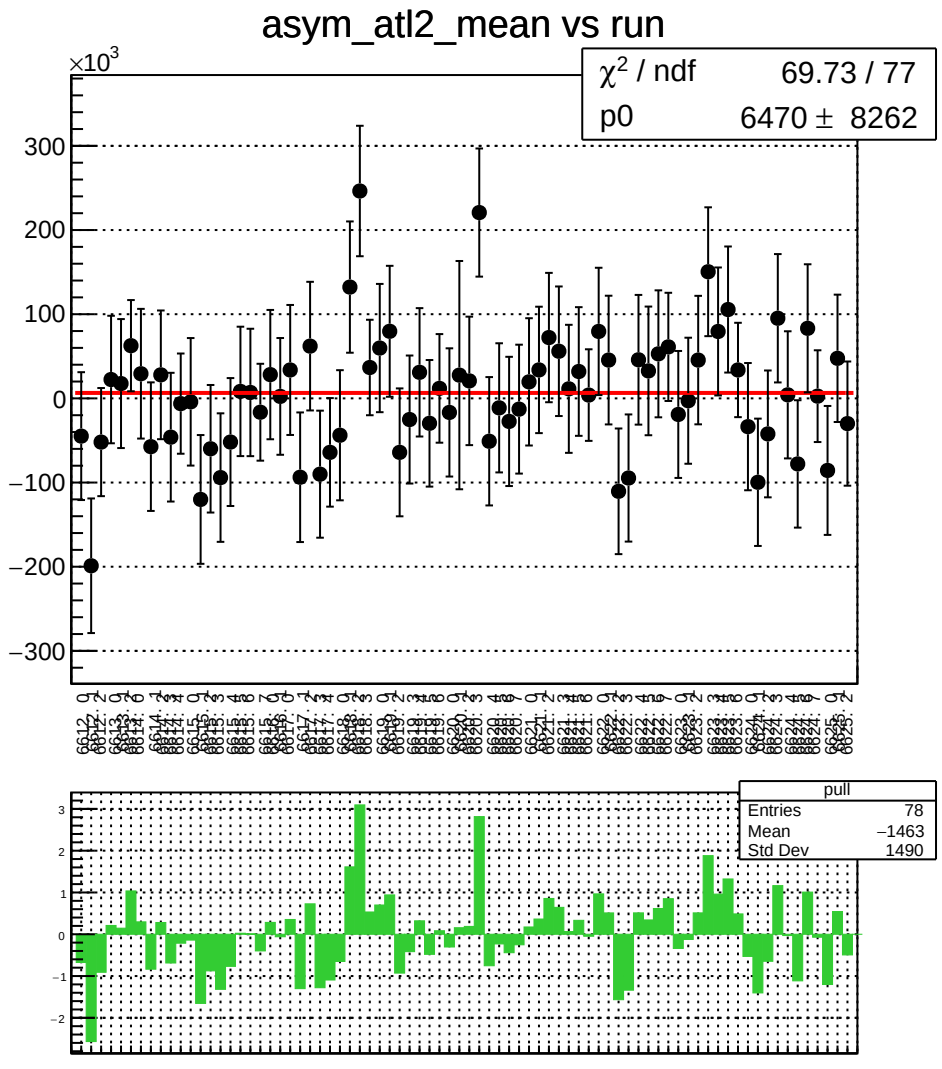

pull1D
Entries 78
Mean −0.00267
Std Dev 0.9555
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

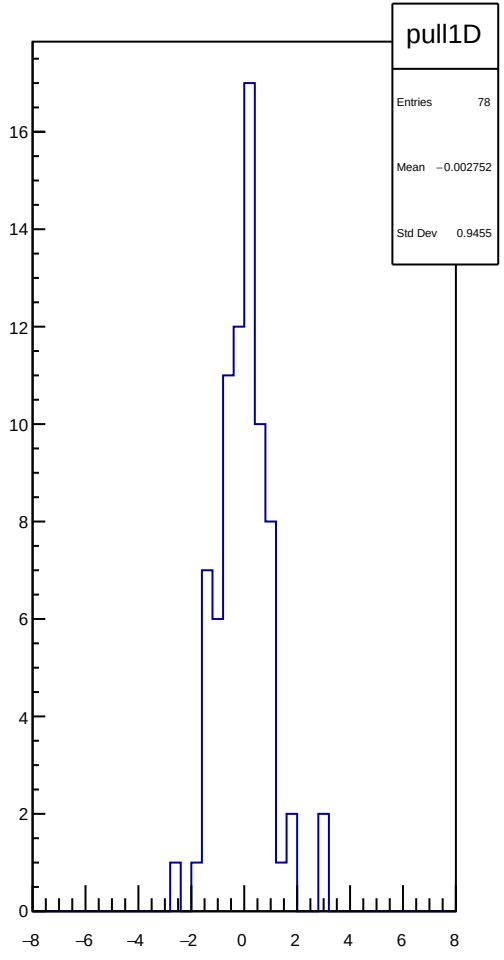

dit_asym_atl2_rms vs run
χ^2 / ndf 3738 / 77
p0 7193 ± 5.789
13000
12000
11000
10000
9000
8000
7000

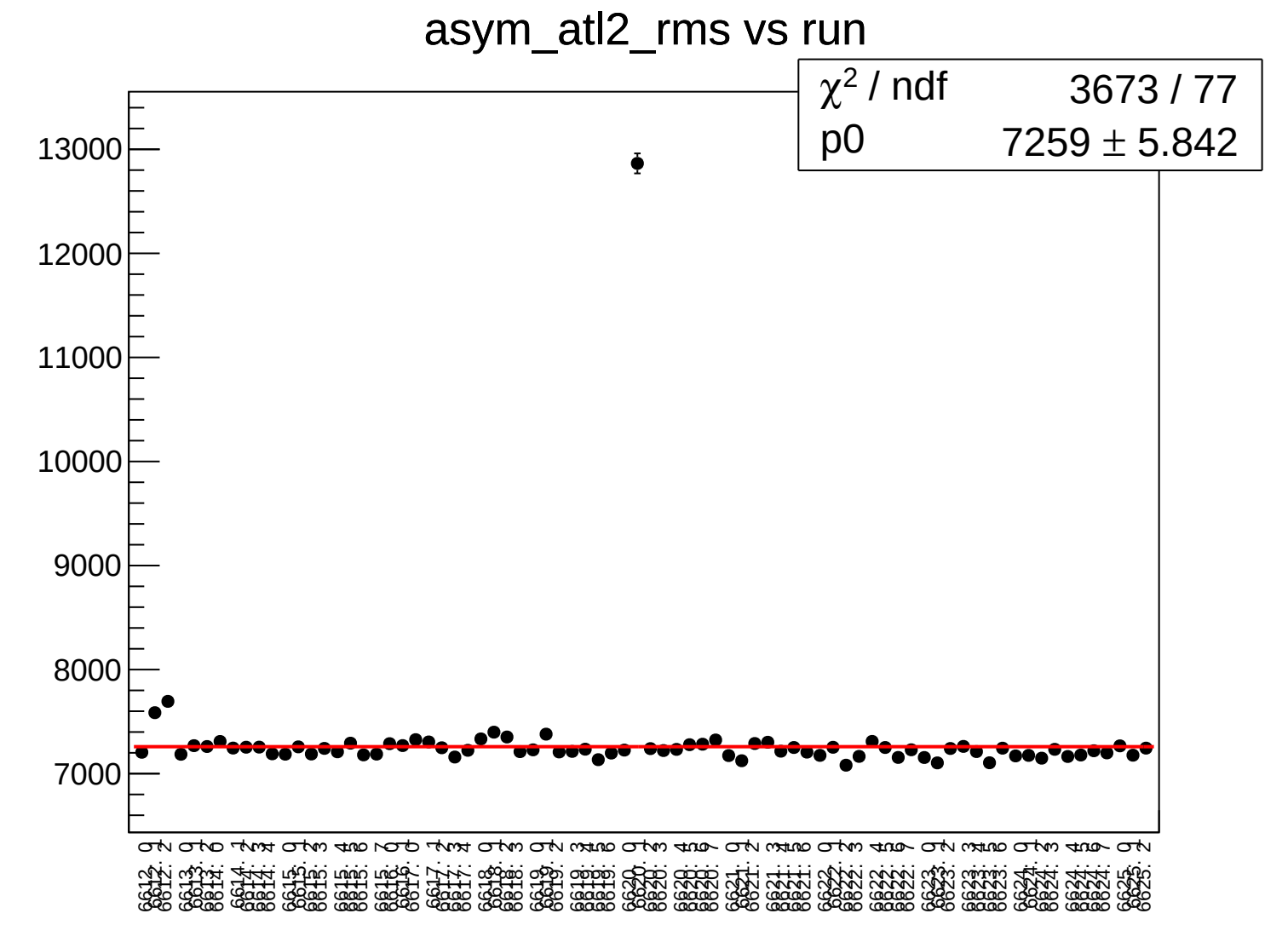

asym_atl2_correction_mean vs run
χ² / ndf 87.06 / 77
p0 −1713 ± 1122
pull
Entries 78
Mean 81.76
Std Dev 43.95

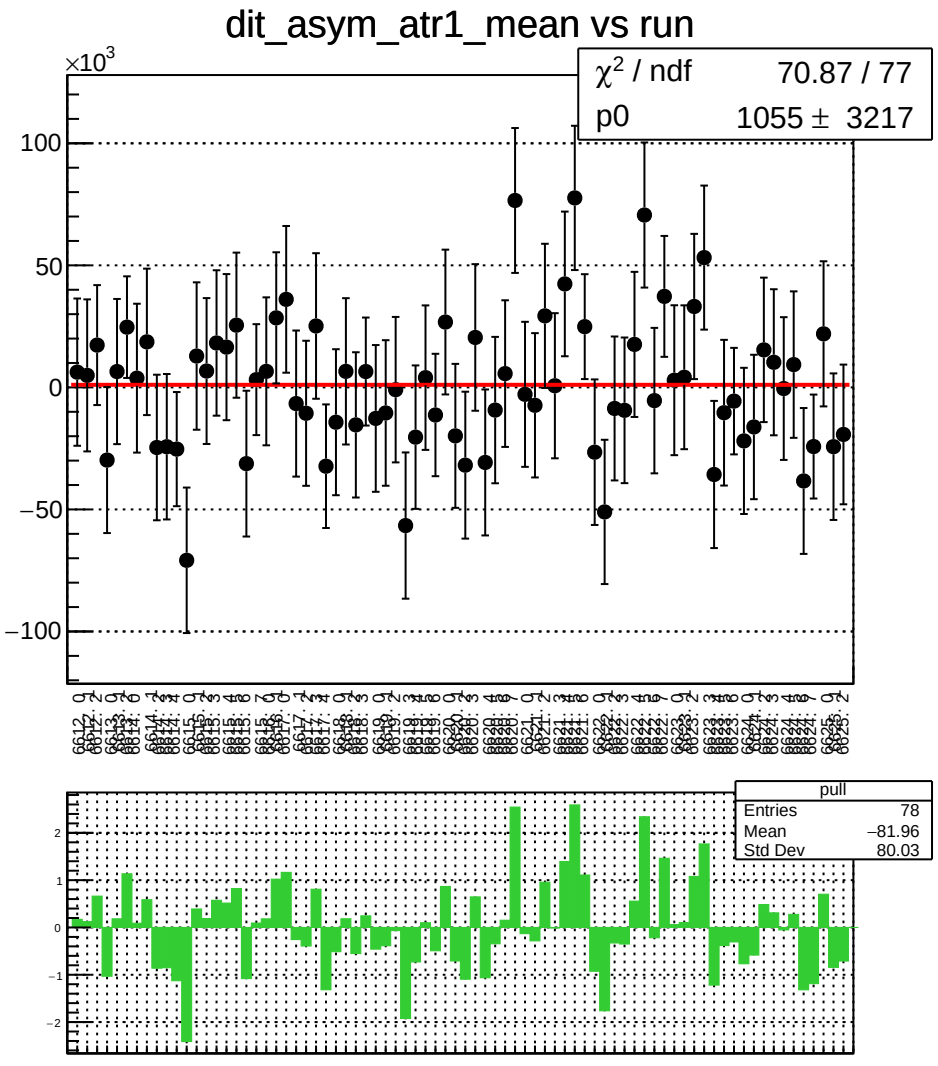

pull1D
Entries 78
Mean 0.01505
Std Dev 1.056

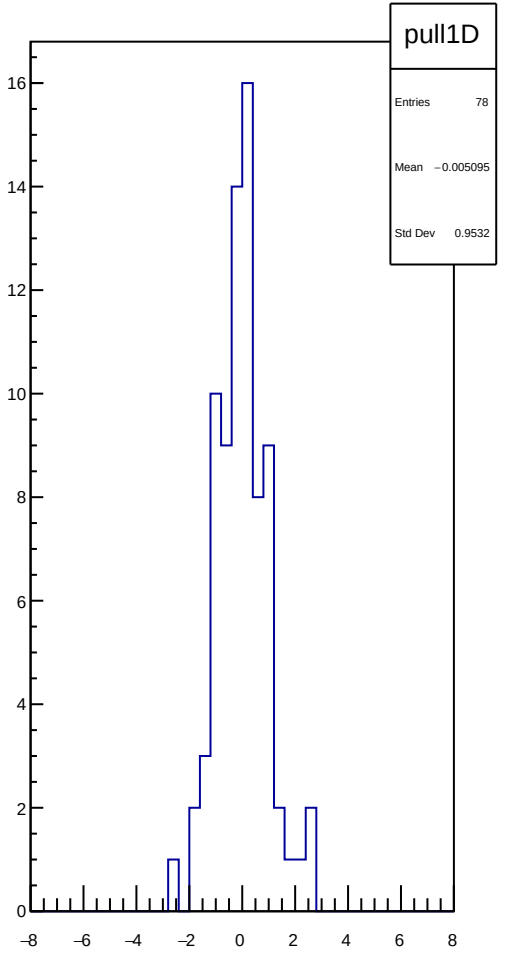

asym_atl2_correction_rms vs run
χ² / ndf 1.009e+04 / 77
p0 984 ± 0.7936
1250
1200
1150
1100
1050
1000
950
900
850

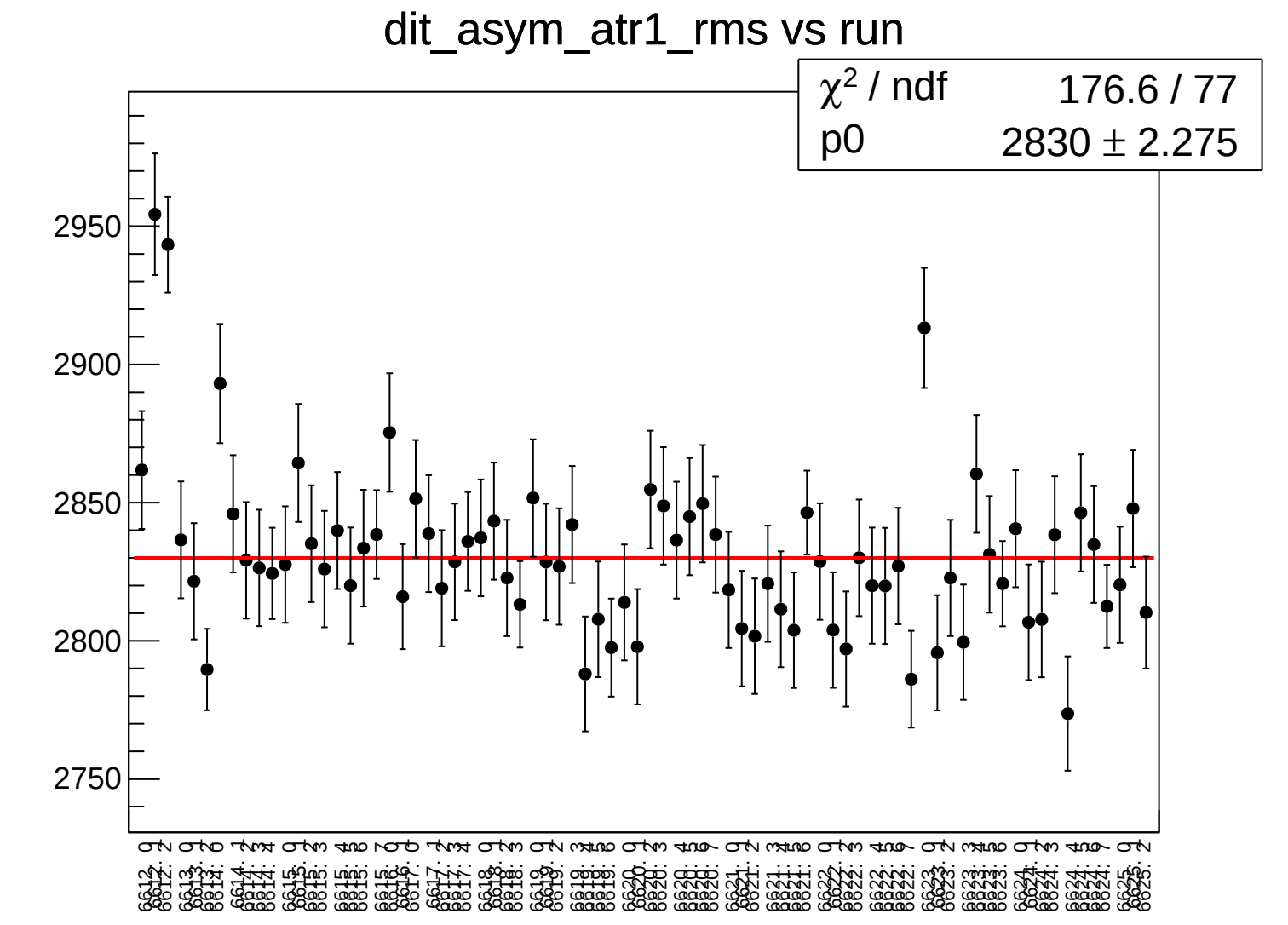

asym_atl2_mean vs run
χ² / ndf 69.73 / 77
p0 6470 ± 8262
×10³
300
200
100
0
−100
−200
−300
pull
Entries 78
Mean −1463
Std Dev 1490
3
2
1
0
−1
−2

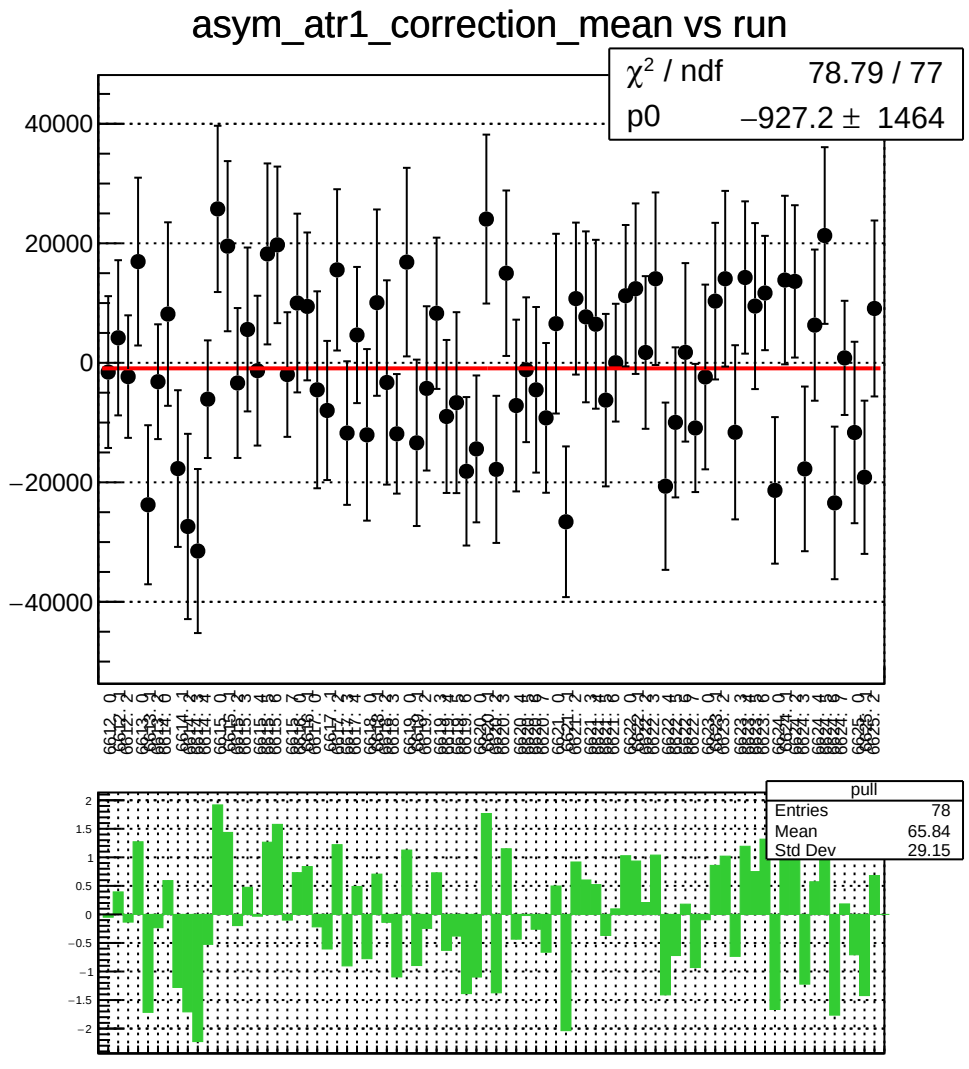

pull1D
Entries 78
Mean −0.002752
Std Dev 0.9455
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

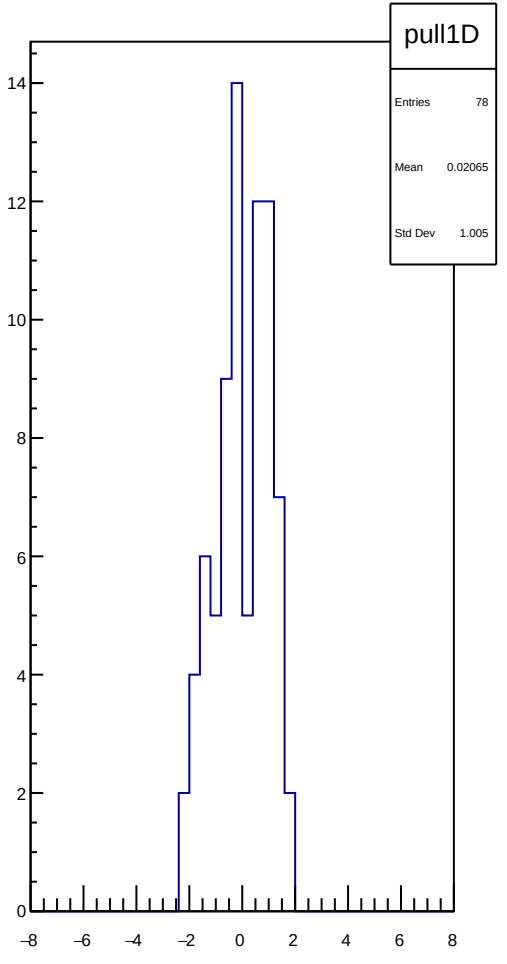

asym_atl2_rms vs run
χ² / ndf 3673 / 77
p0 7259 ± 5.842
13000
12000
11000
10000
9000
8000
7000

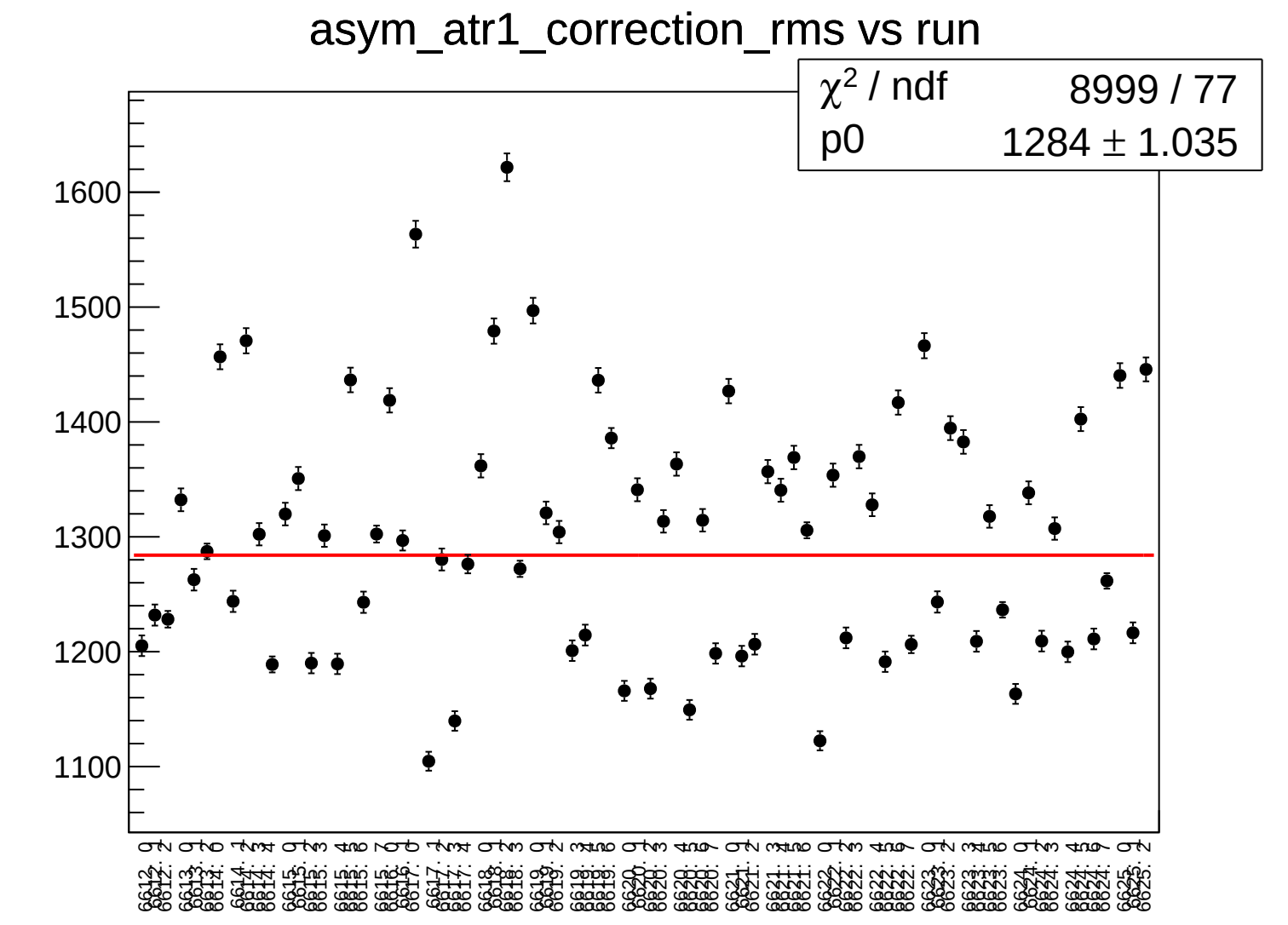

dit_asym_atr1_mean vs run
×10^3
χ² / ndf 70.87 / 77
p0 1055 ± 3217
100
50
0
−50
−100
pull
Entries 78
Mean −81.96
Std Dev 80.03
2
1
0
−1
−2

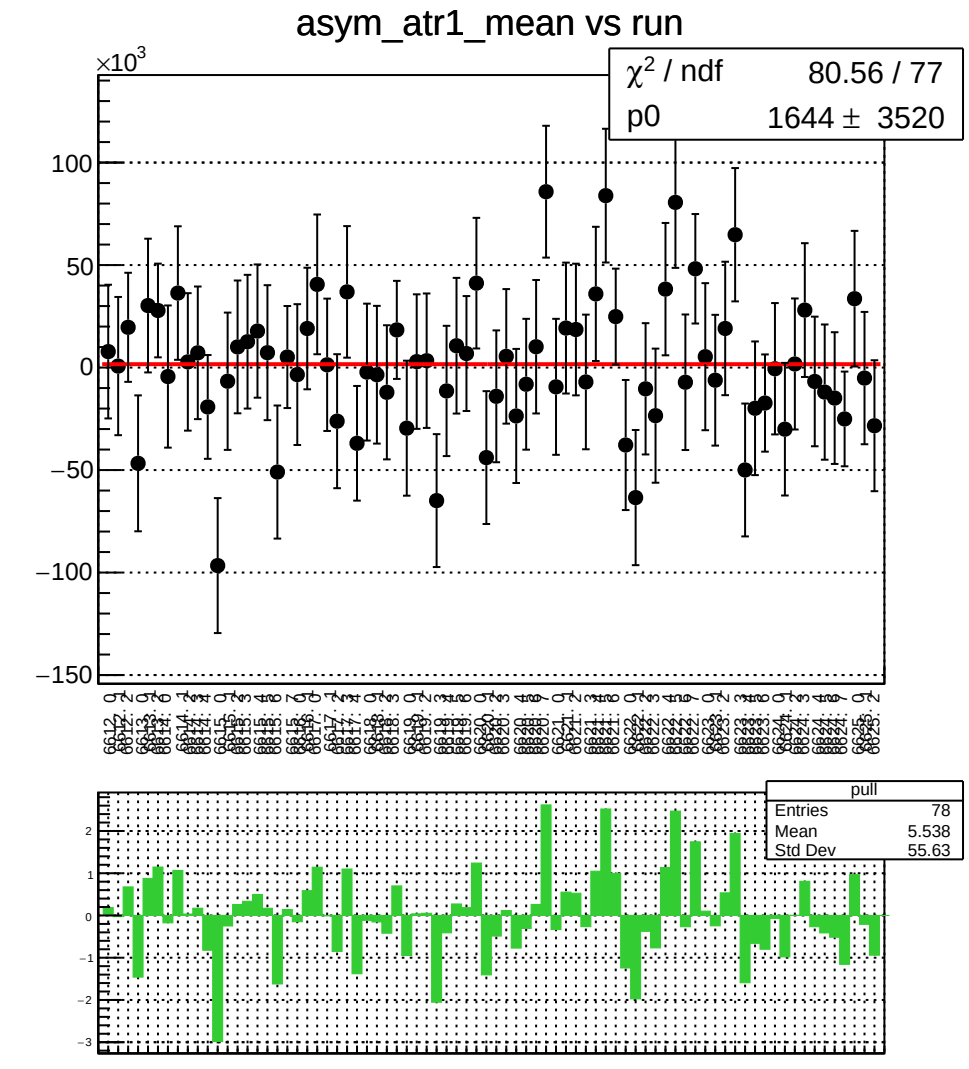

pull1D
Entries 78
Mean −0.005095
Std Dev 0.9532
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

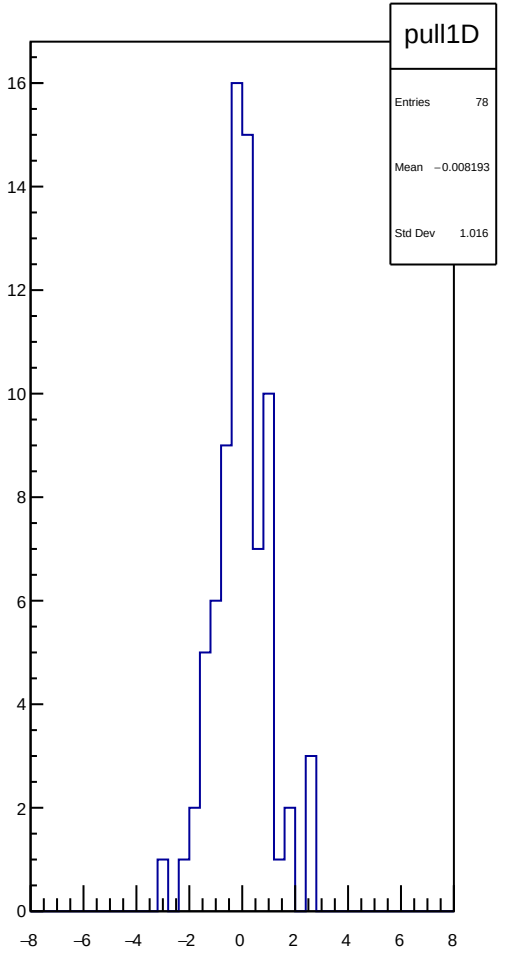

dit_asym_atr1_rms vs run
χ^2 / ndf 176.6 / 77
p0 2830 ± 2.275
2950
2900
2850
2800
2750

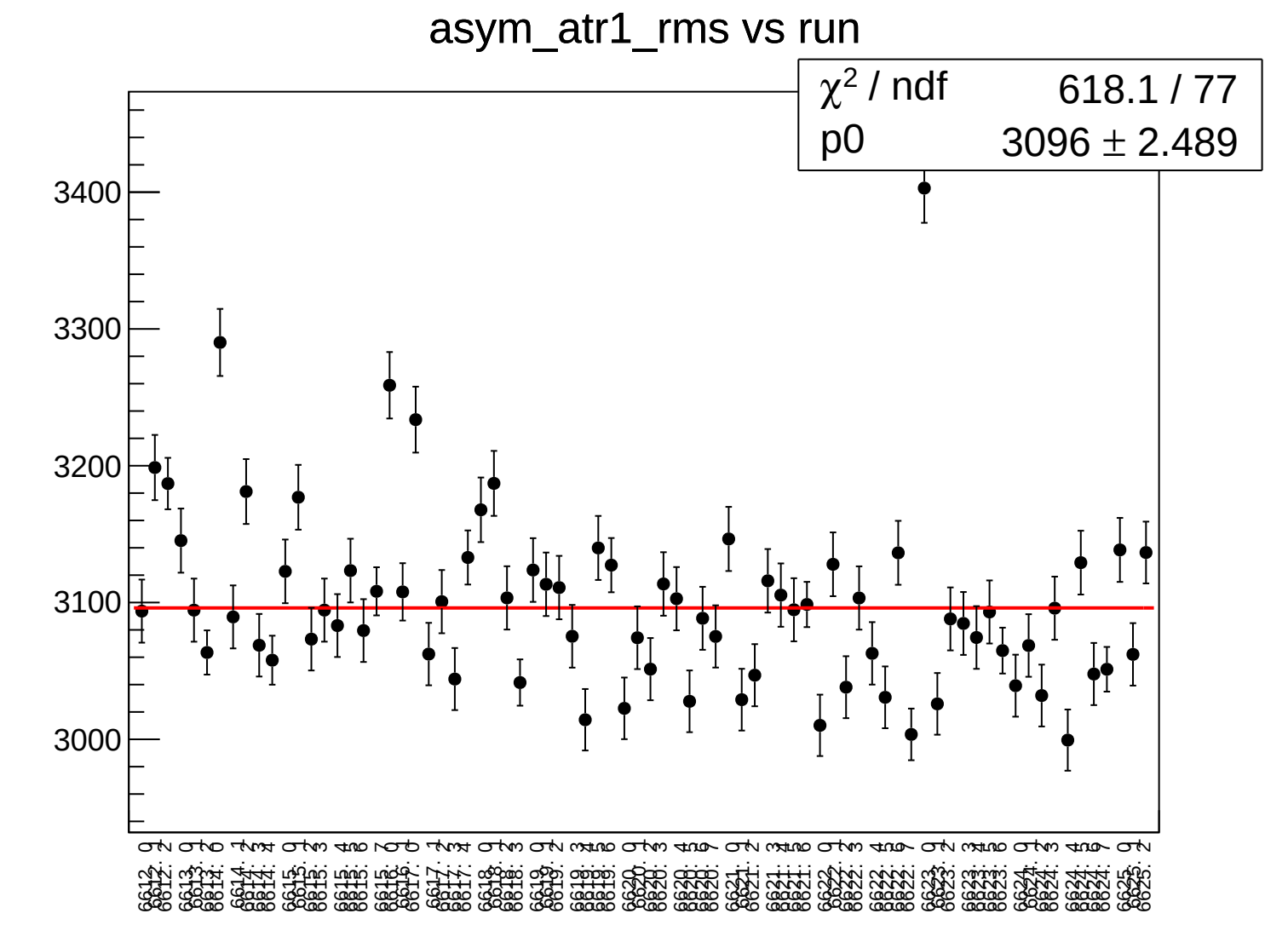

asym_atr1_correction_mean vs run
χ² / ndf 78.79 / 77
p0 −927.2 ± 1464
40000
20000
0
−20000
−40000
pull
Entries 78
Mean 65.84
Std Dev 29.15
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

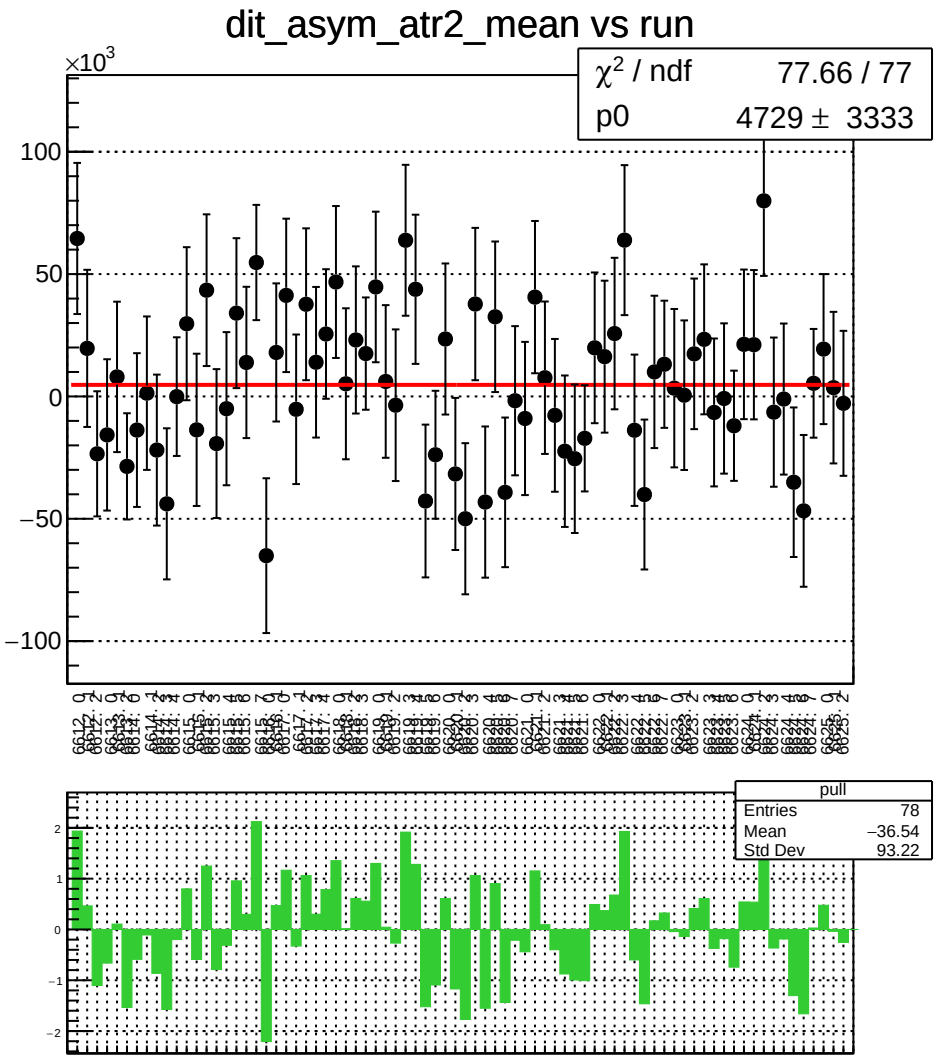

pull1D
Entries 78
Mean 0.02065
Std Dev 1.005
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

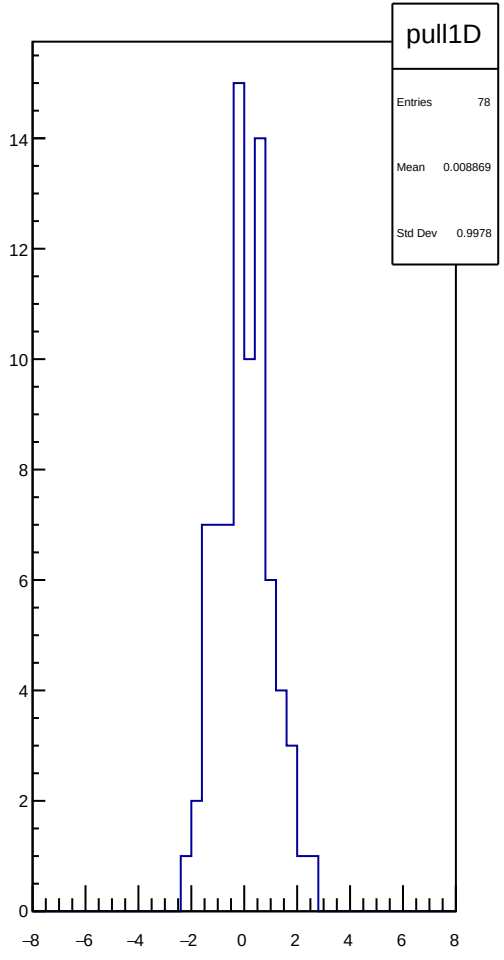

asym_atr1_correction_rms vs run
χ² / ndf 8999 / 77
p0 1284 ± 1.035
1600
1500
1400
1300
1200
1100

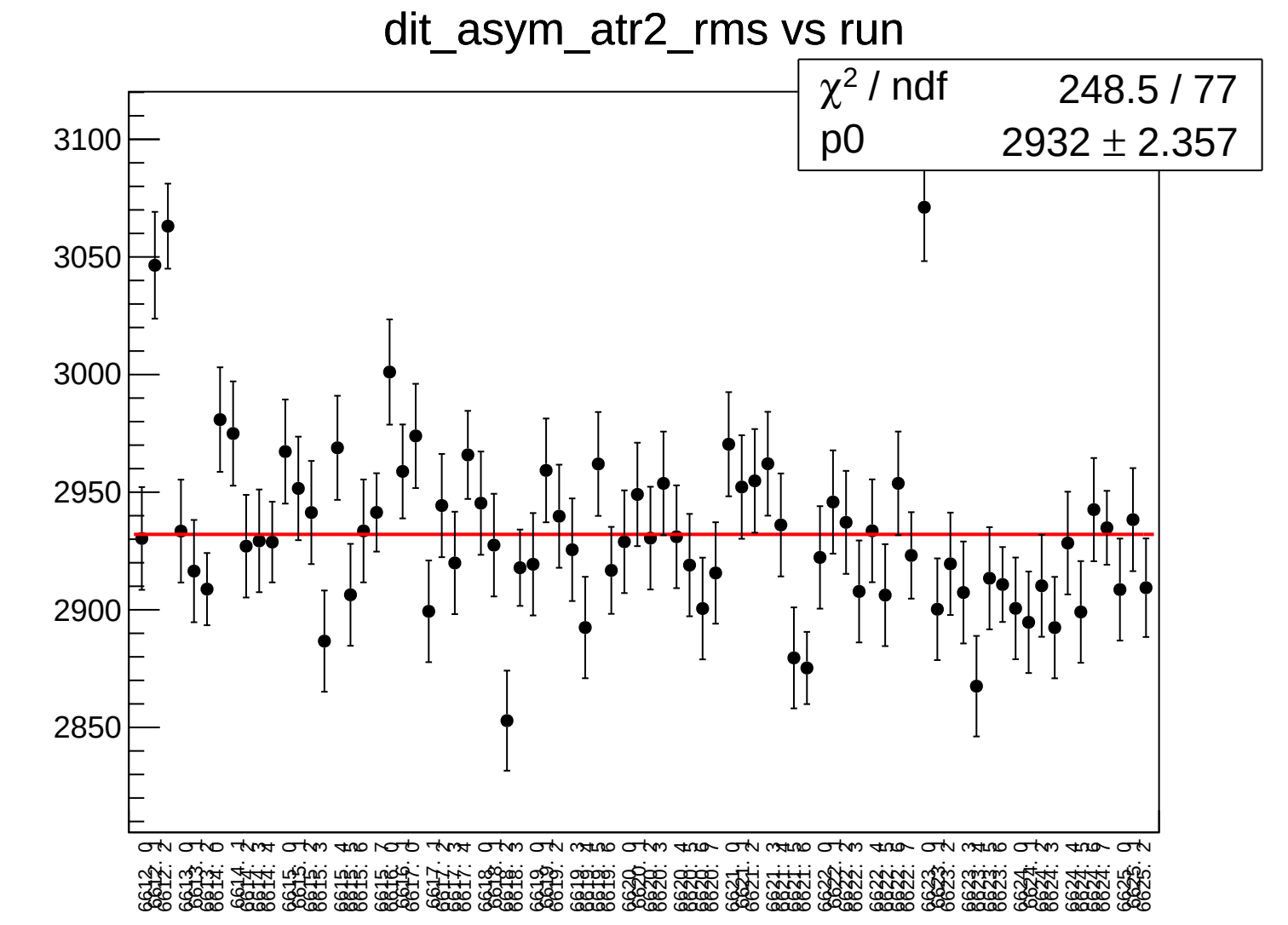

asym_atr1_mean vs run
×10^3
χ² / ndf 80.56 / 77
p0 1644 ± 3520
100
50
0
−50
−100
−150
pull
Entries 78
Mean 5.538
Std Dev 55.63
2
1
0
−1
−2
−3

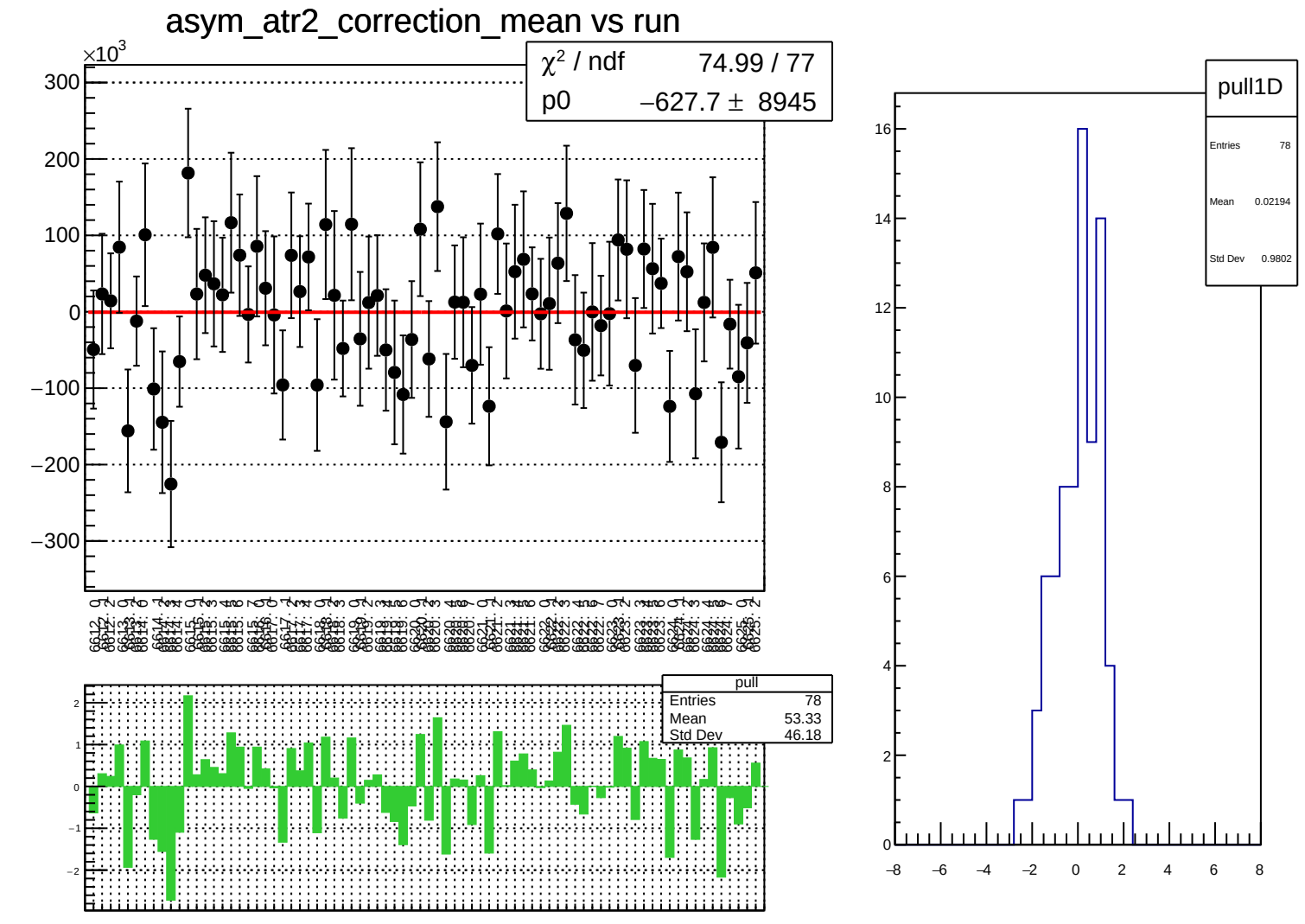

pull1D
Entries 78
Mean −0.008193
Std Dev 1.016
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

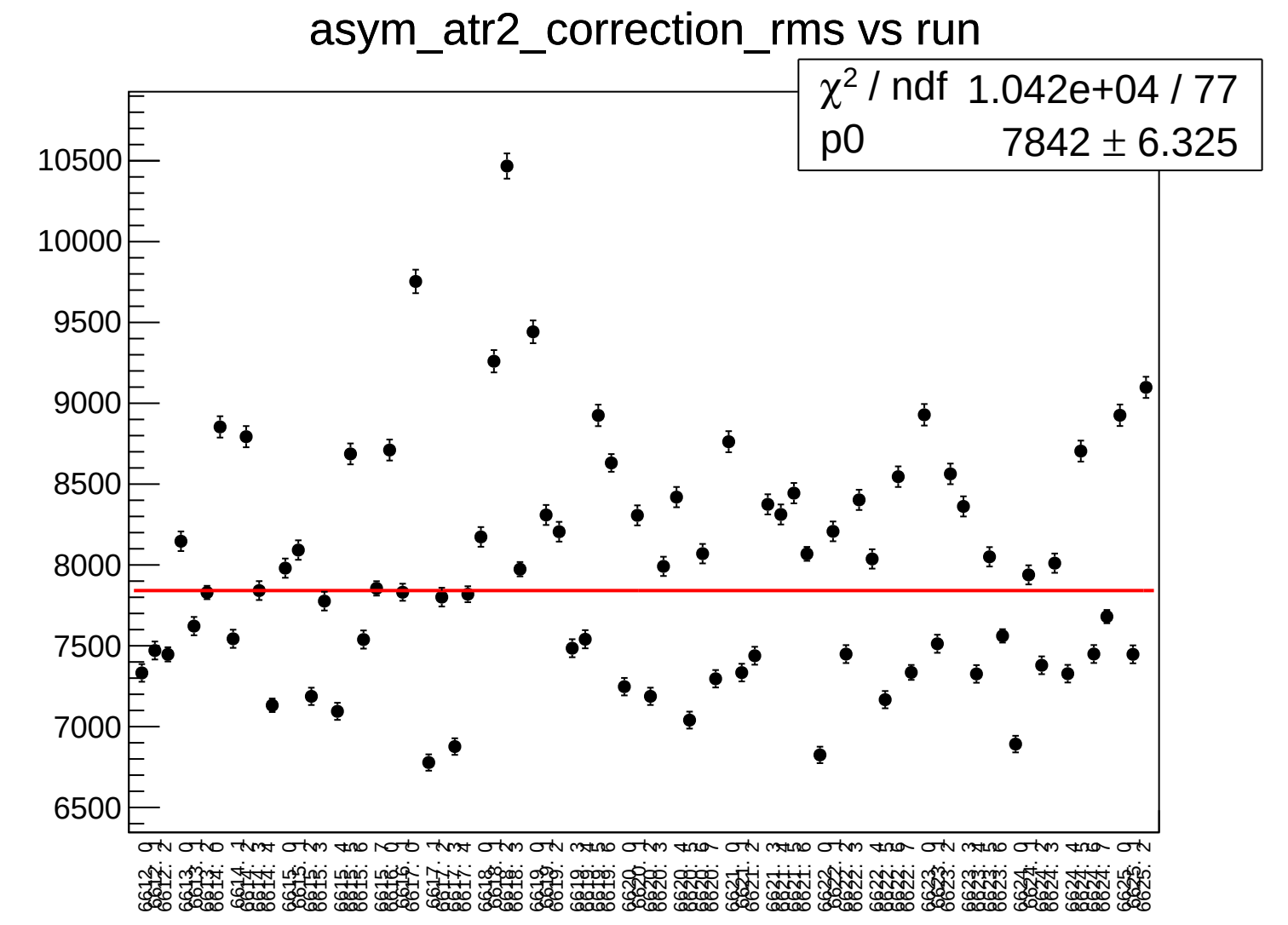

asym_atr1_rms vs run
χ² / ndf 618.1 / 77
p0 3096 ± 2.489
3400
3300
3200
3100
3000

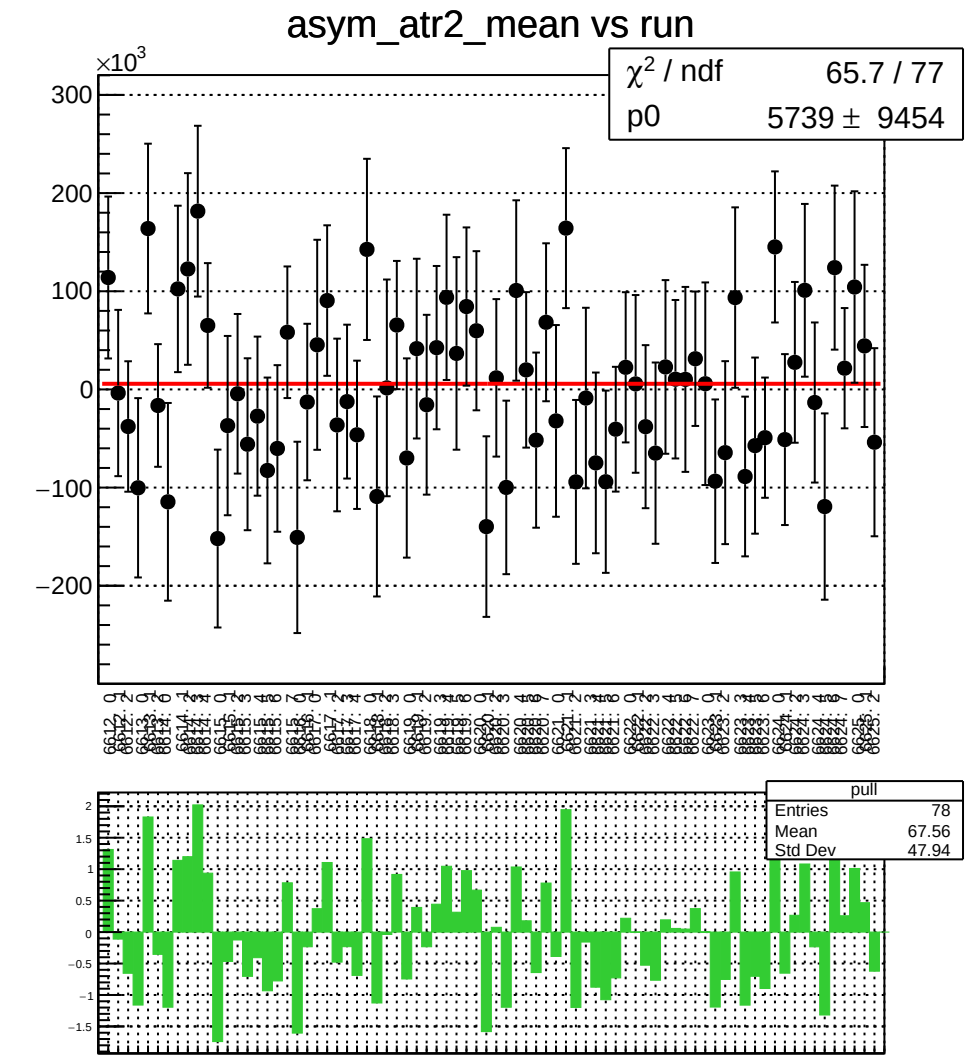

dit_asym_atr2_mean vs run
×10^3
χ² / ndf 77.66 / 77
p0 4729 ± 3333
100
50
0
−50
−100
pull
Entries 78
Mean −36.54
Std Dev 93.22
2
1
0
−1
−2

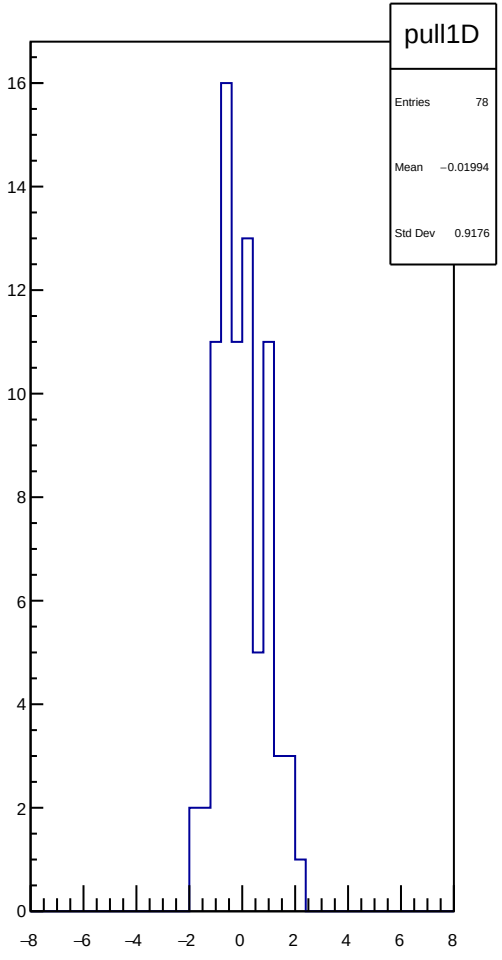

pull1D
Entries 78
Mean 0.008869
Std Dev 0.9978
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

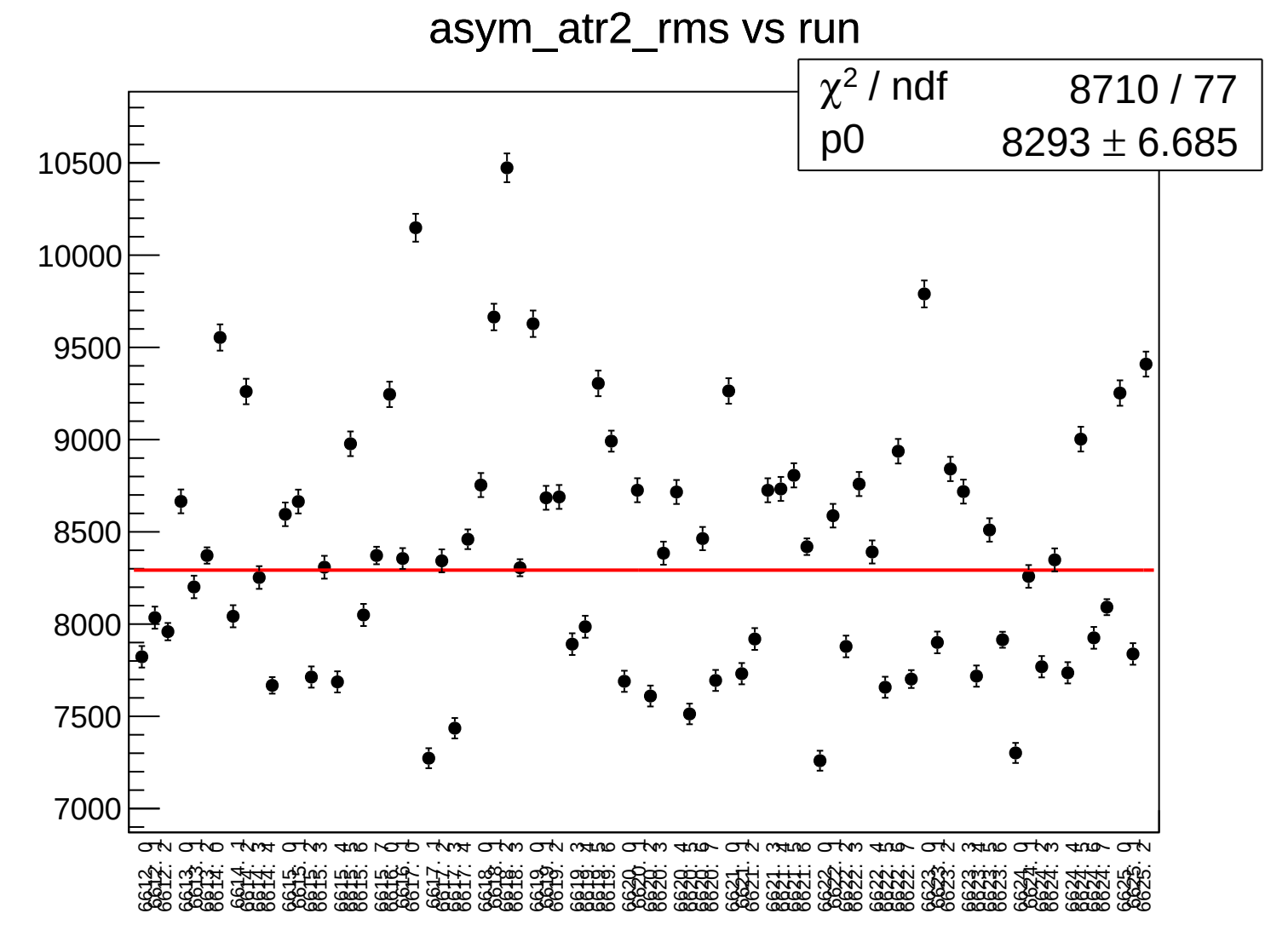

dit_asym_atr2_rms vs run
χ² / ndf 248.5 / 77
p0 2932 ± 2.357
3100
3050
3000
2950
2900
2850

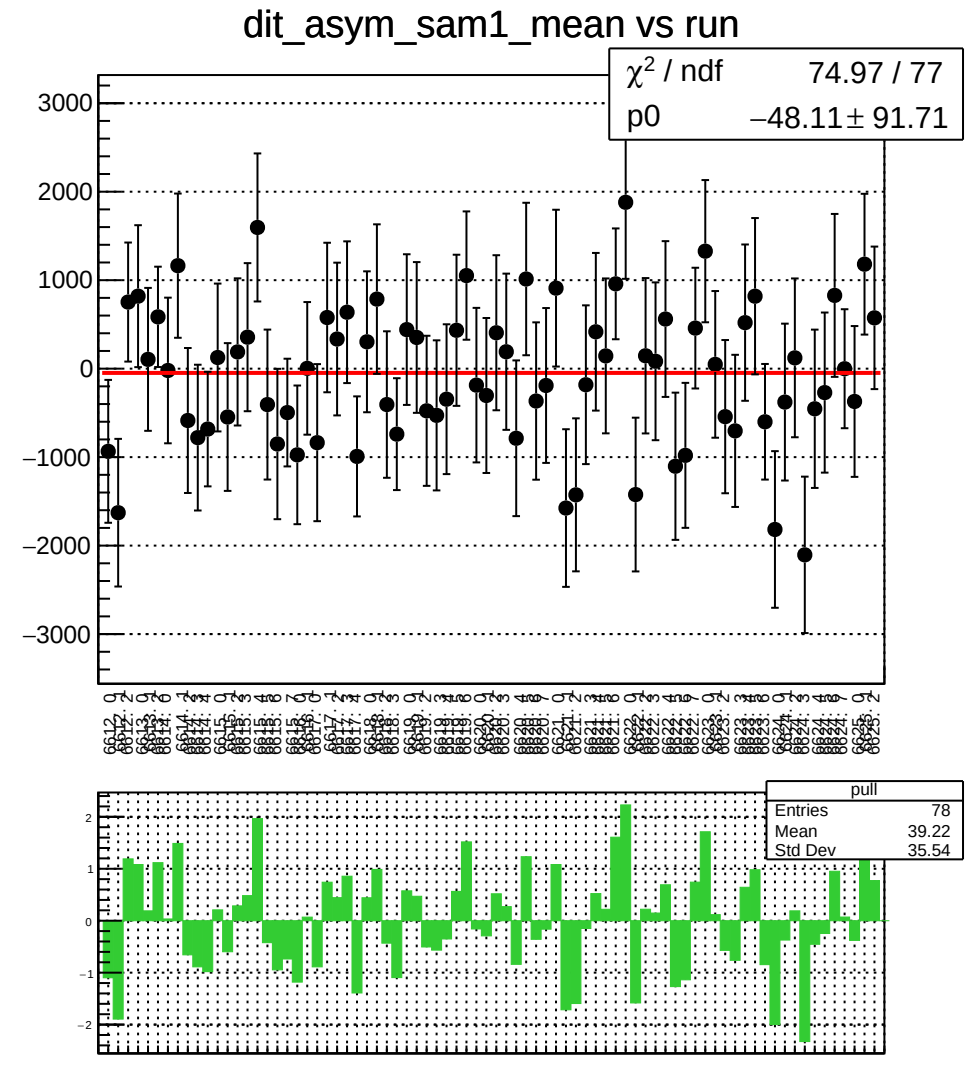

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 74.99 / 77
p0 −627.7 ± 8945
pull
Entries 78
Mean 53.33
Std Dev 46.18
pull1D
Entries 78
Mean 0.02194
Std Dev 0.9802

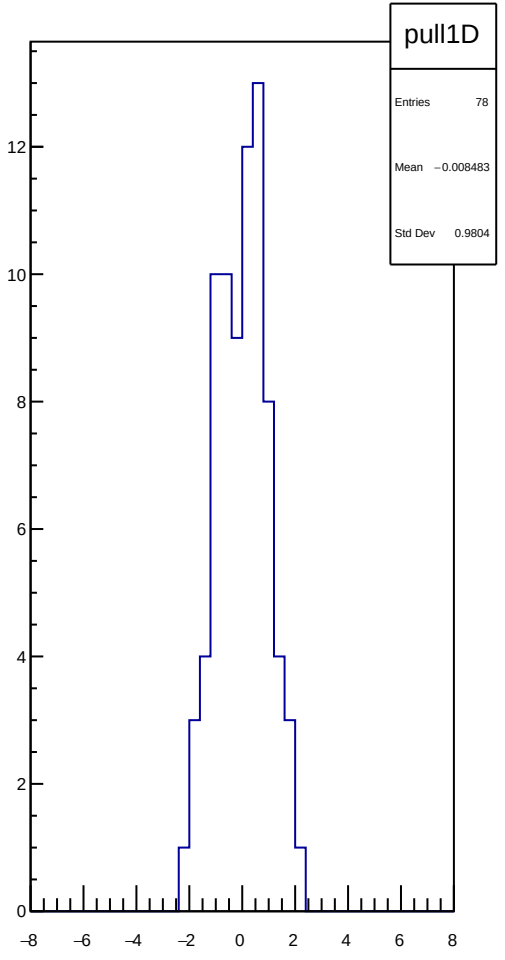

asym_atr2_correction_rms vs run
χ² / ndf 1.042e+04 / 77
p0 7842 ± 6.325
10500
10000
9500
9000
8500
8000
7500
7000
6500

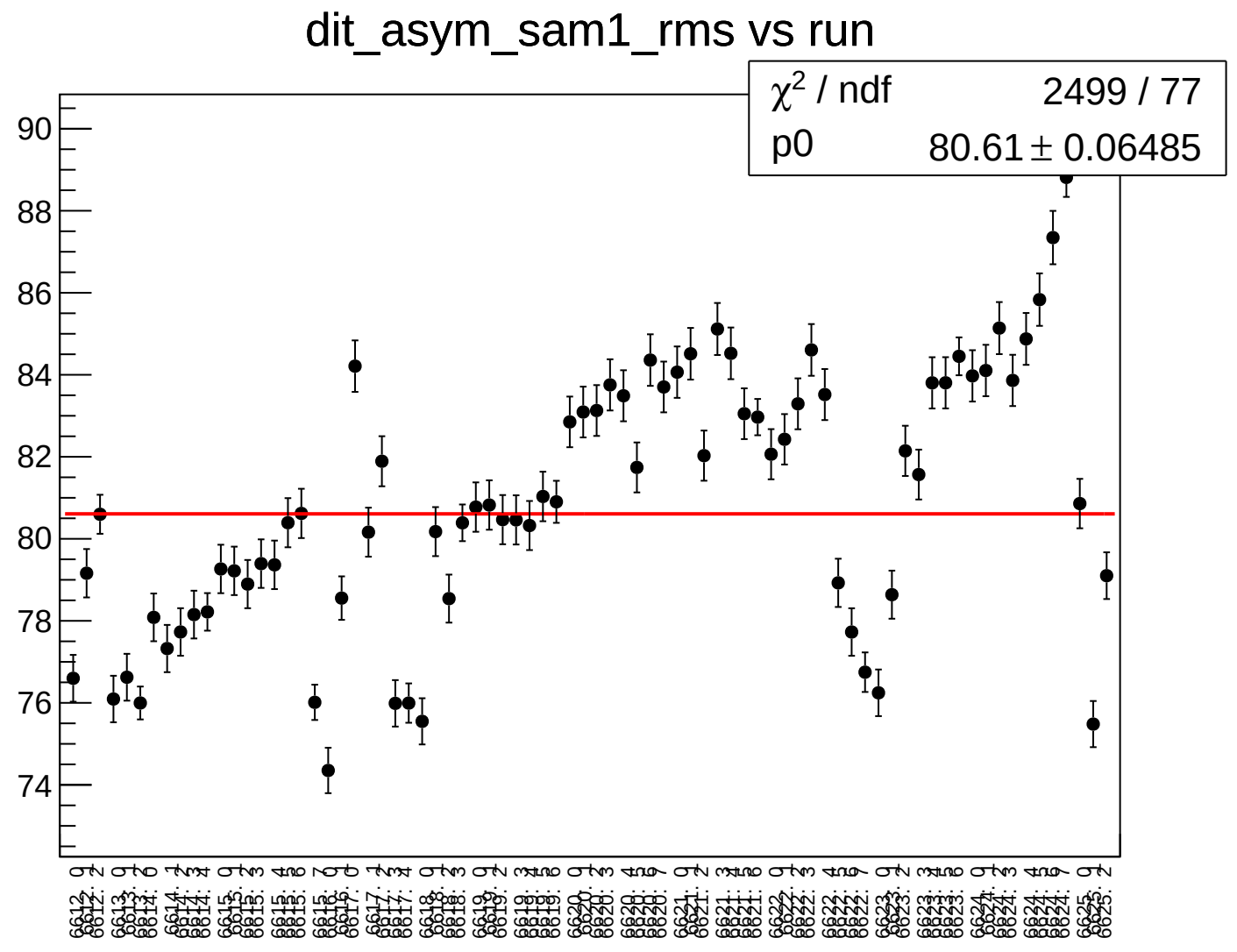

asym_atr2_mean vs run
×10^3
χ² / ndf 65.7 / 77
p0 5739 ± 9454
pull
Entries 78
Mean 67.56
Std Dev 47.94

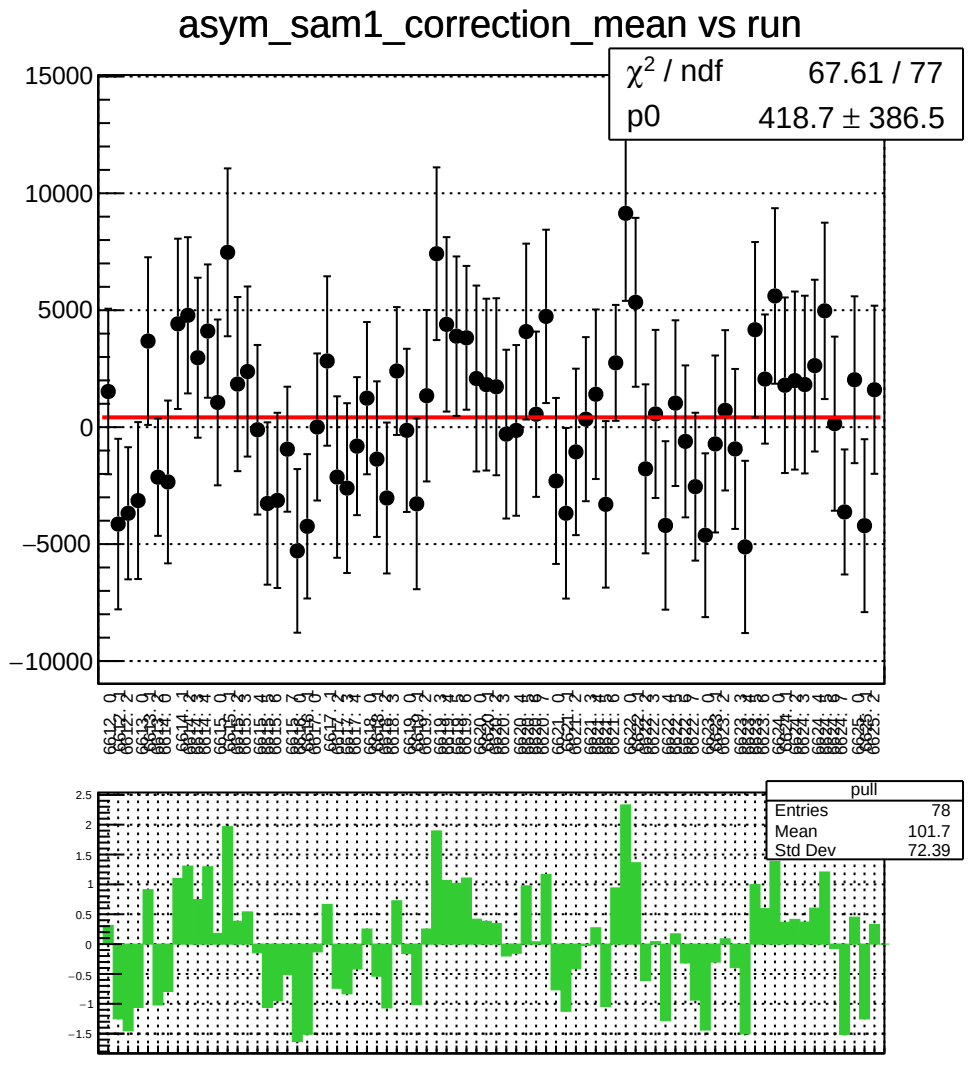

pull1D
Entries 78
Mean −0.01994
Std Dev 0.9176

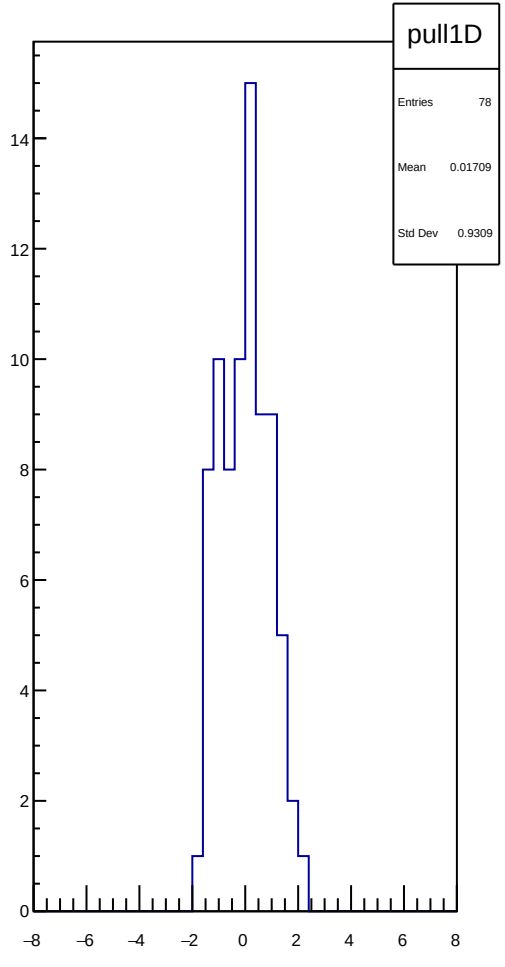

asym_atr2_rms vs run
χ^2 / ndf 8710 / 77
p0 8293 ± 6.685
10500
10000
9500
9000
8500
8000
7500
7000

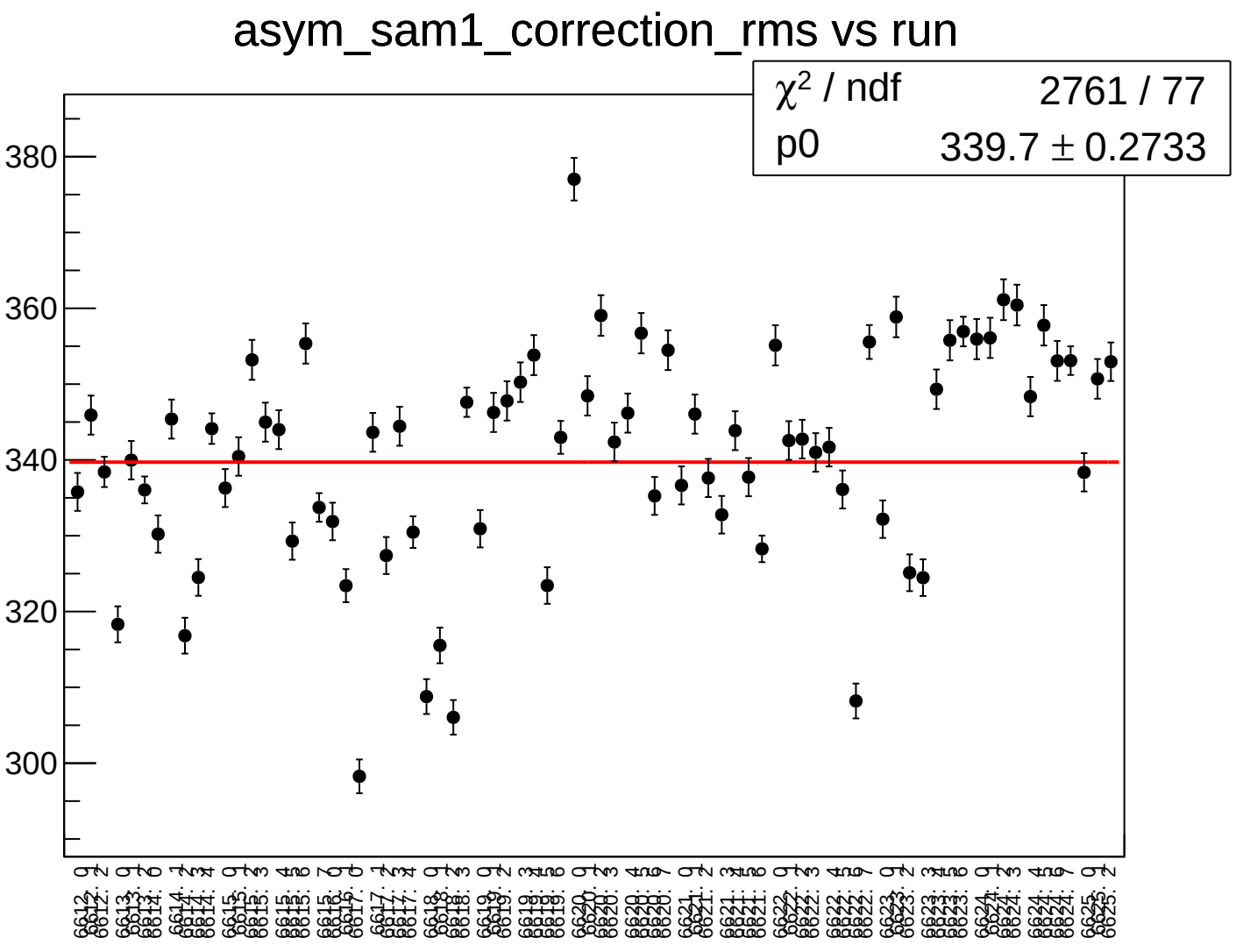

dit_asym_sam1_mean vs run
χ² / ndf 74.97 / 77
p0 −48.11 ± 91.71
pull
Entries 78
Mean 39.22
Std Dev 35.54

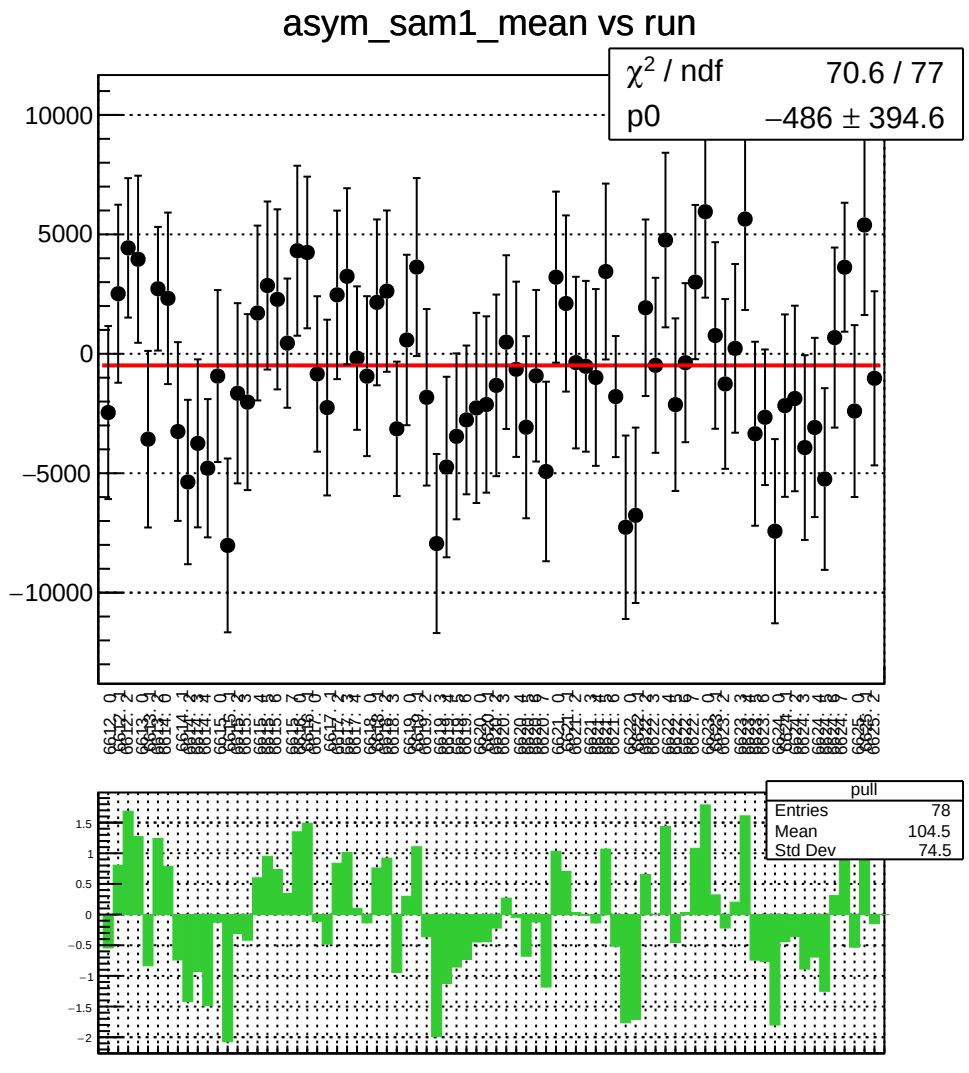

pull1D
Entries 78
Mean −0.008483
Std Dev 0.9804

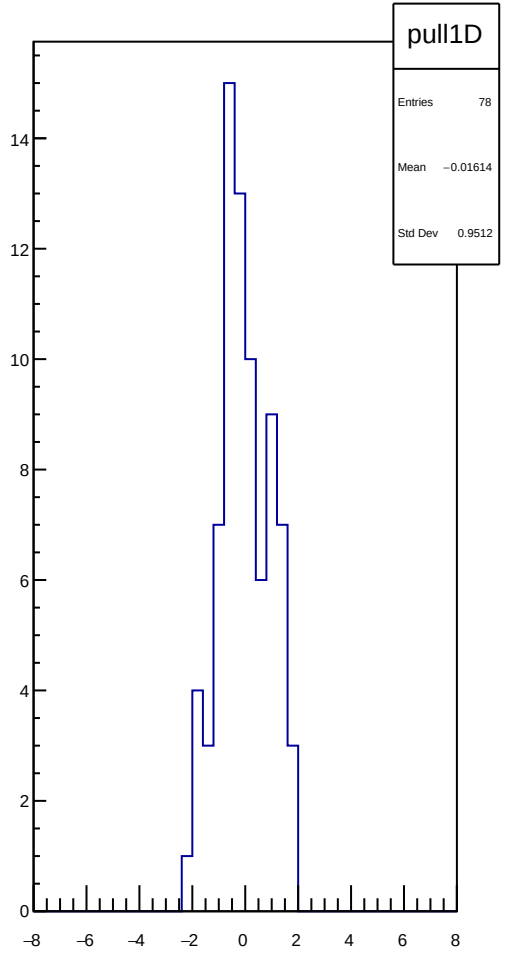

dit_asym_sam1_rms vs run
χ^2 / ndf 2499 / 77
p0 80.61 ± 0.06485
90
88
86
84
82
80
78
76
74

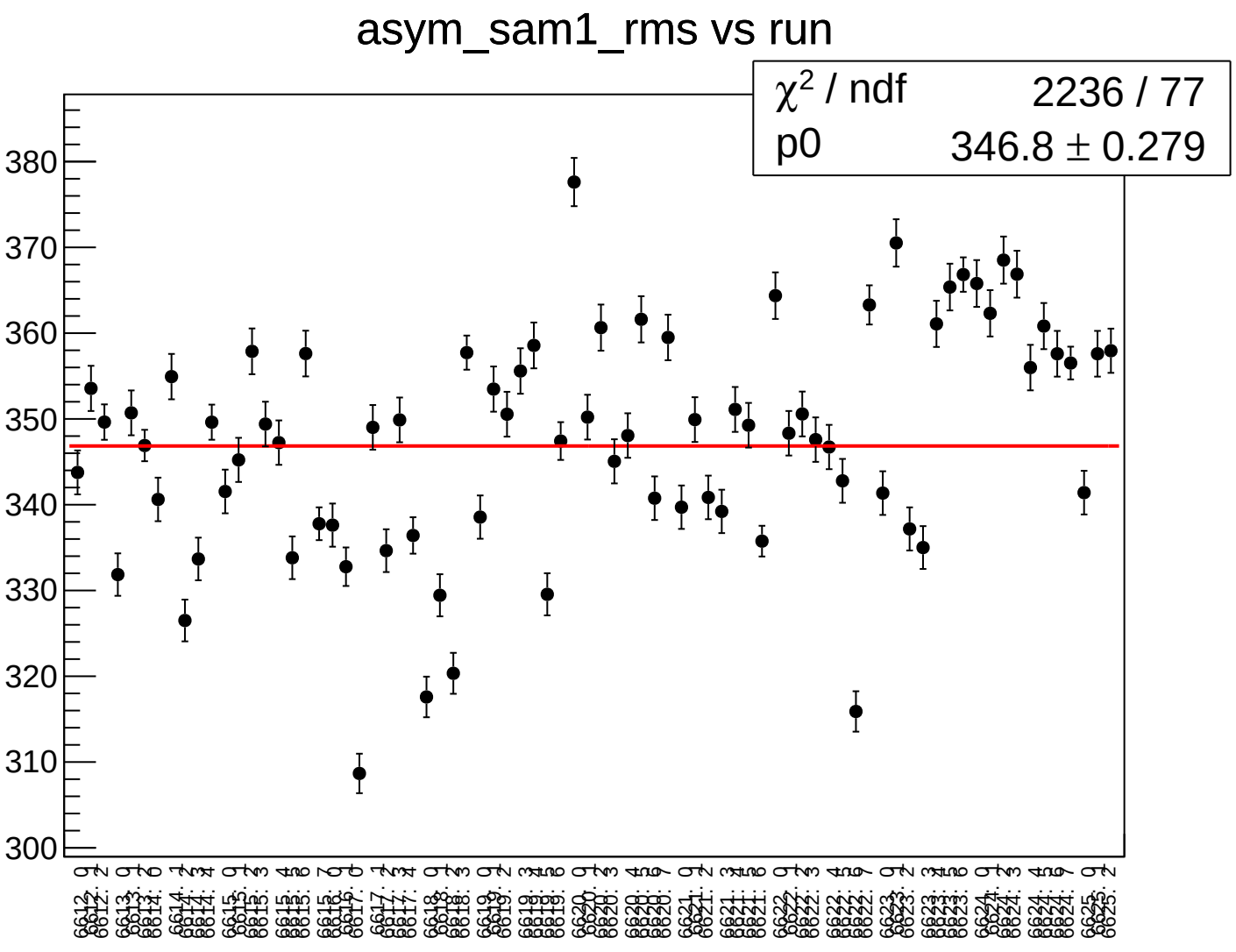

asym_sam1_correction_mean vs run
χ² / ndf 67.61 / 77
p0 418.7 ± 386.5
15000
10000
5000
0
−5000
−10000
pull
Entries 78
Mean 101.7
Std Dev 72.39
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

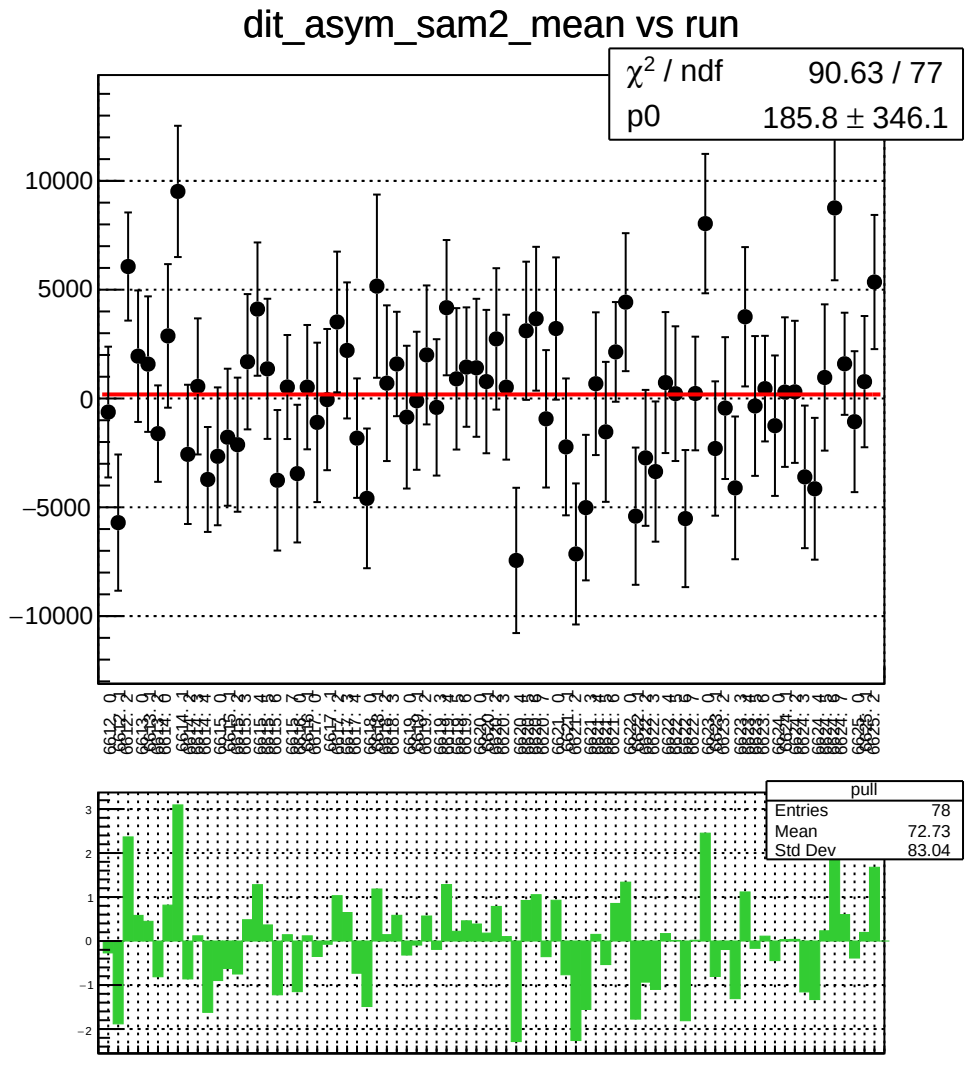

pull1D
Entries 78
Mean 0.01709
Std Dev 0.9309
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

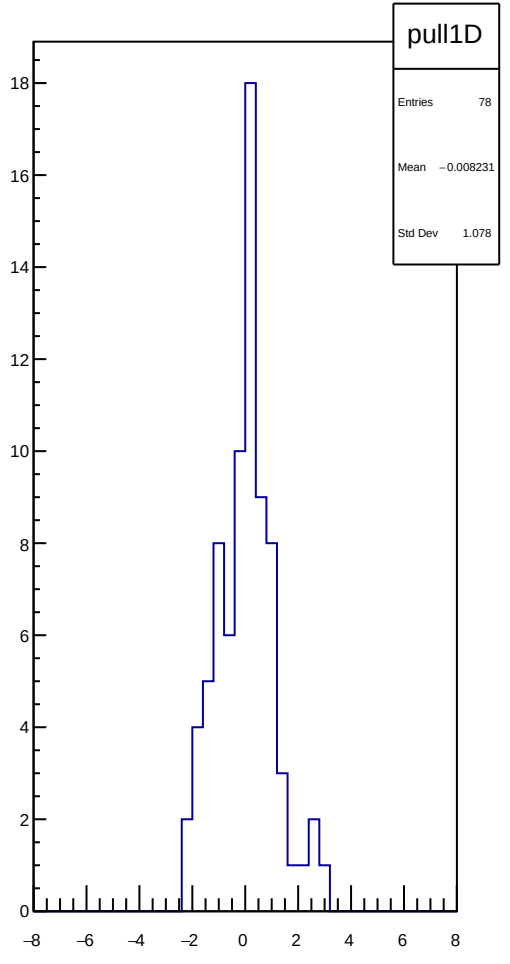

asym_sam1_correction_rms vs run
χ² / ndf 2761 / 77
p0 339.7 ± 0.2733
380
360
340
320
300

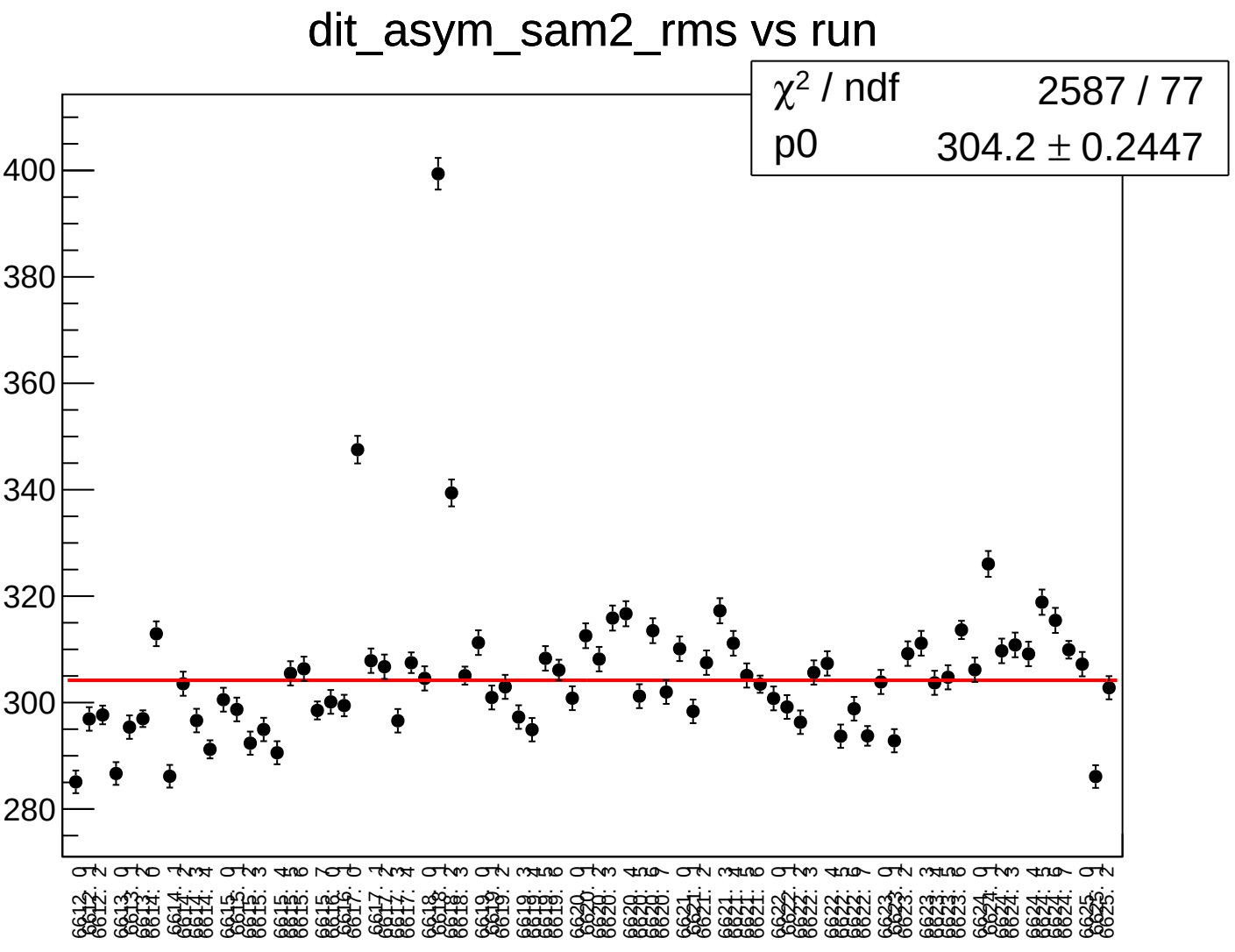

asym_sam1_mean vs run
χ² / ndf 70.6 / 77
p0 −486 ± 394.6
10000
5000
0
−5000
−10000
pull
Entries 78
Mean 104.5
Std Dev 74.5
1.5
1
0.5
0
−0.5
−1
−1.5
−2

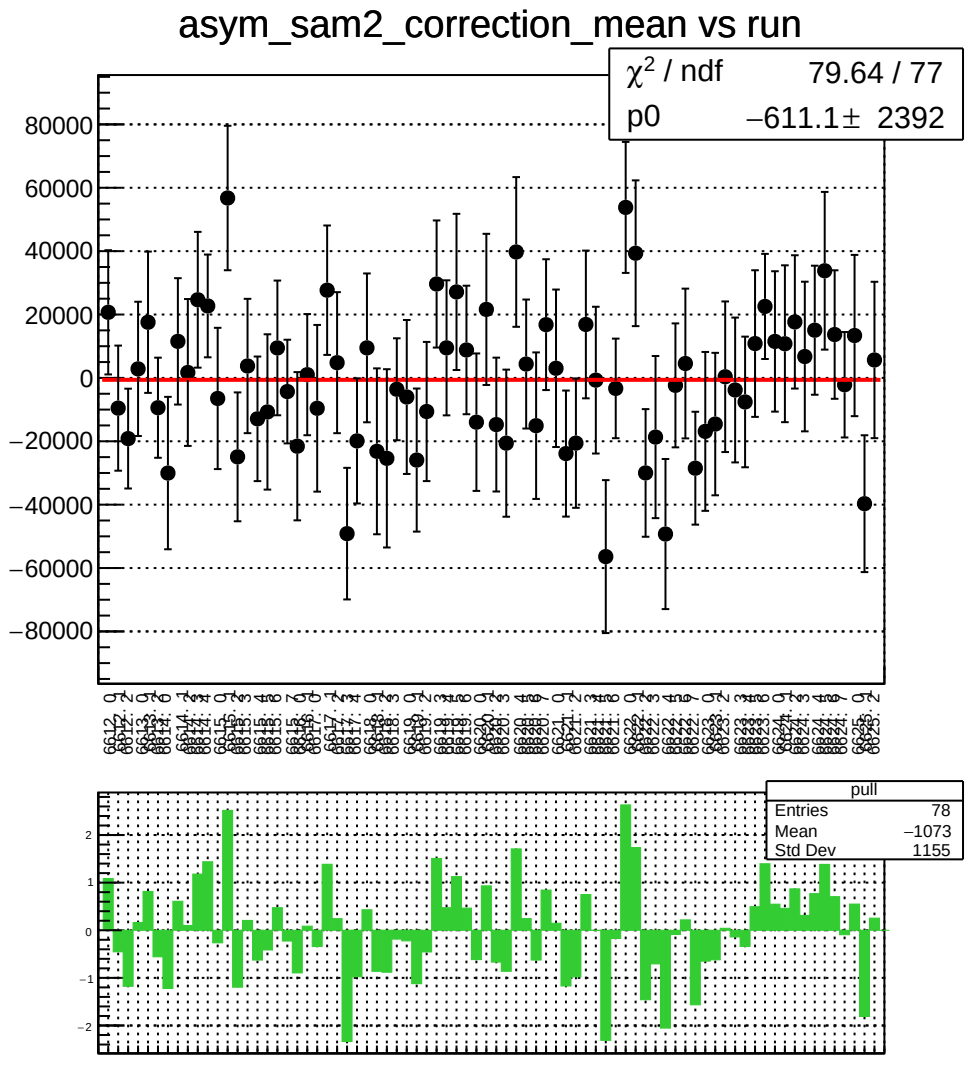

pull1D
Entries 78
Mean −0.01614
Std Dev 0.9512
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

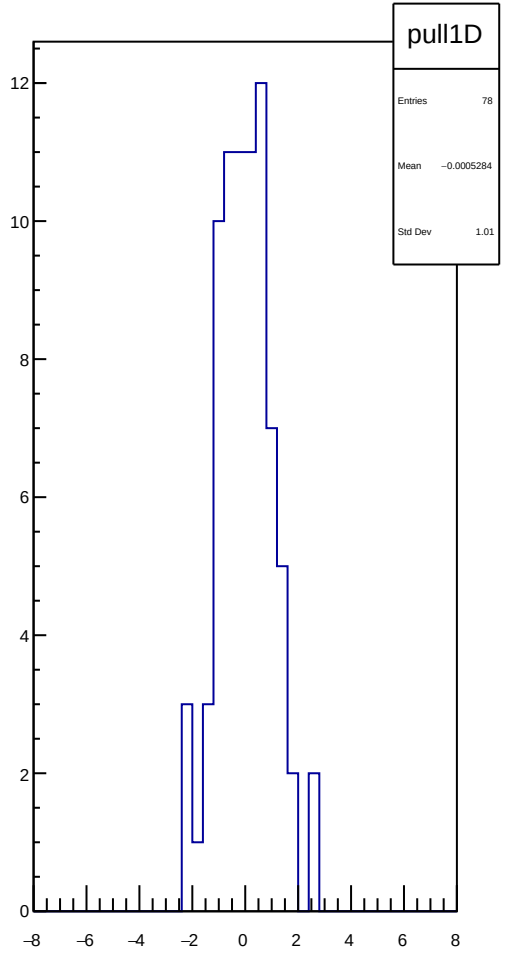

asym_sam1_rms vs run
χ^2 / ndf 2236 / 77
p0 346.8 ± 0.279
380
370
360
350
340
330
320
310
300

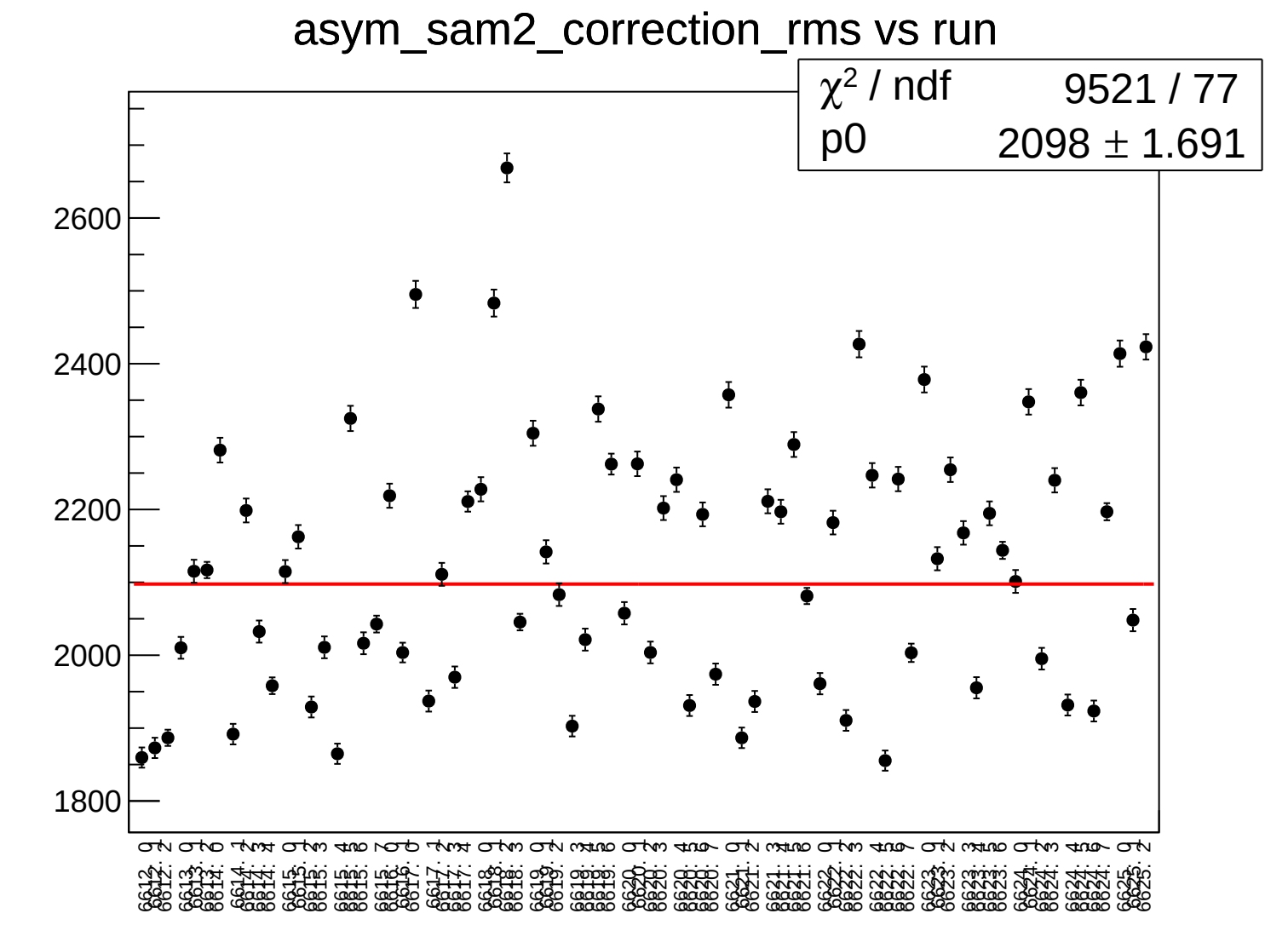

dit_asym_sam2_mean vs run
χ² / ndf 90.63 / 77
p0 185.8 ± 346.1
10000
5000
0
−5000
−10000
pull
Entries 78
Mean 72.73
Std Dev 83.04
3
2
1
0
−1
−2

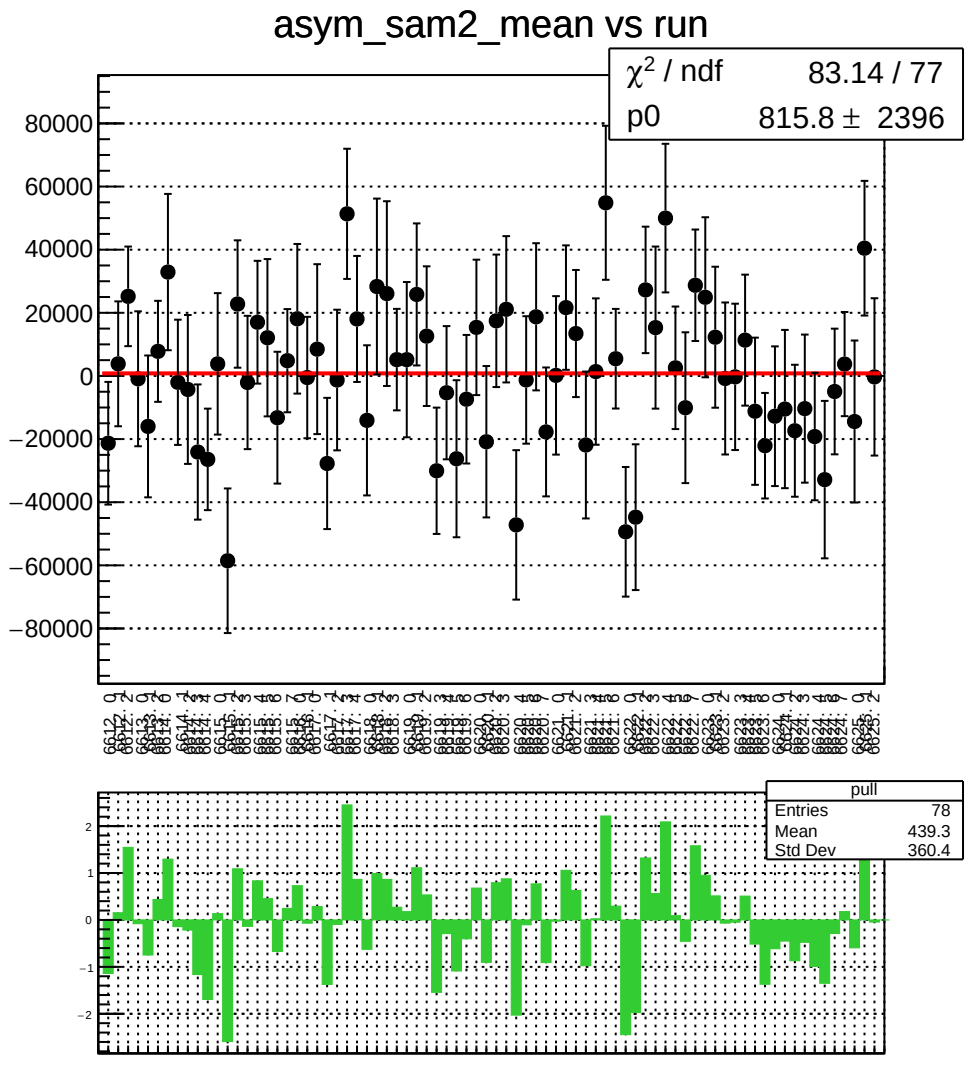

pull1D
Entries 78
Mean −0.008231
Std Dev 1.078
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

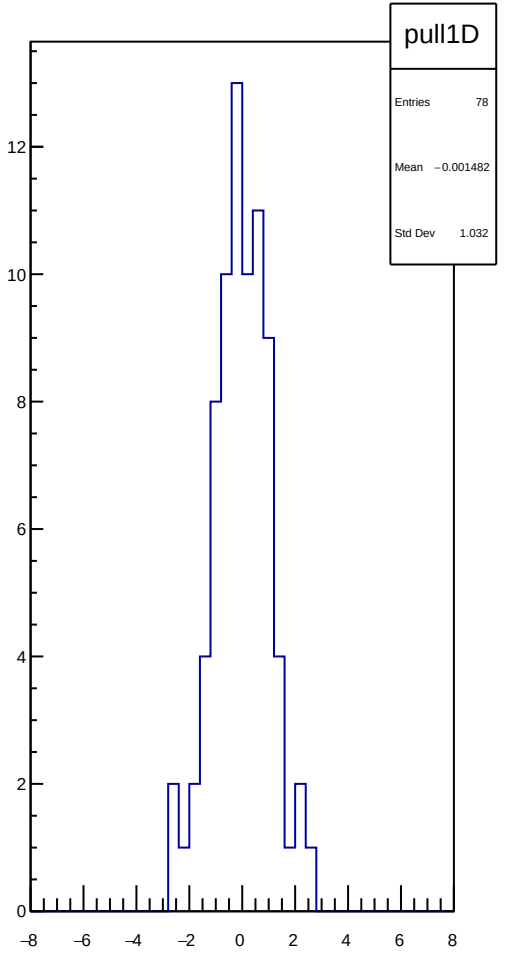

dit_asym_sam2_rms vs run
χ² / ndf 2587 / 77
p0 304.2 ± 0.2447
400
380
360
340
320
300
280

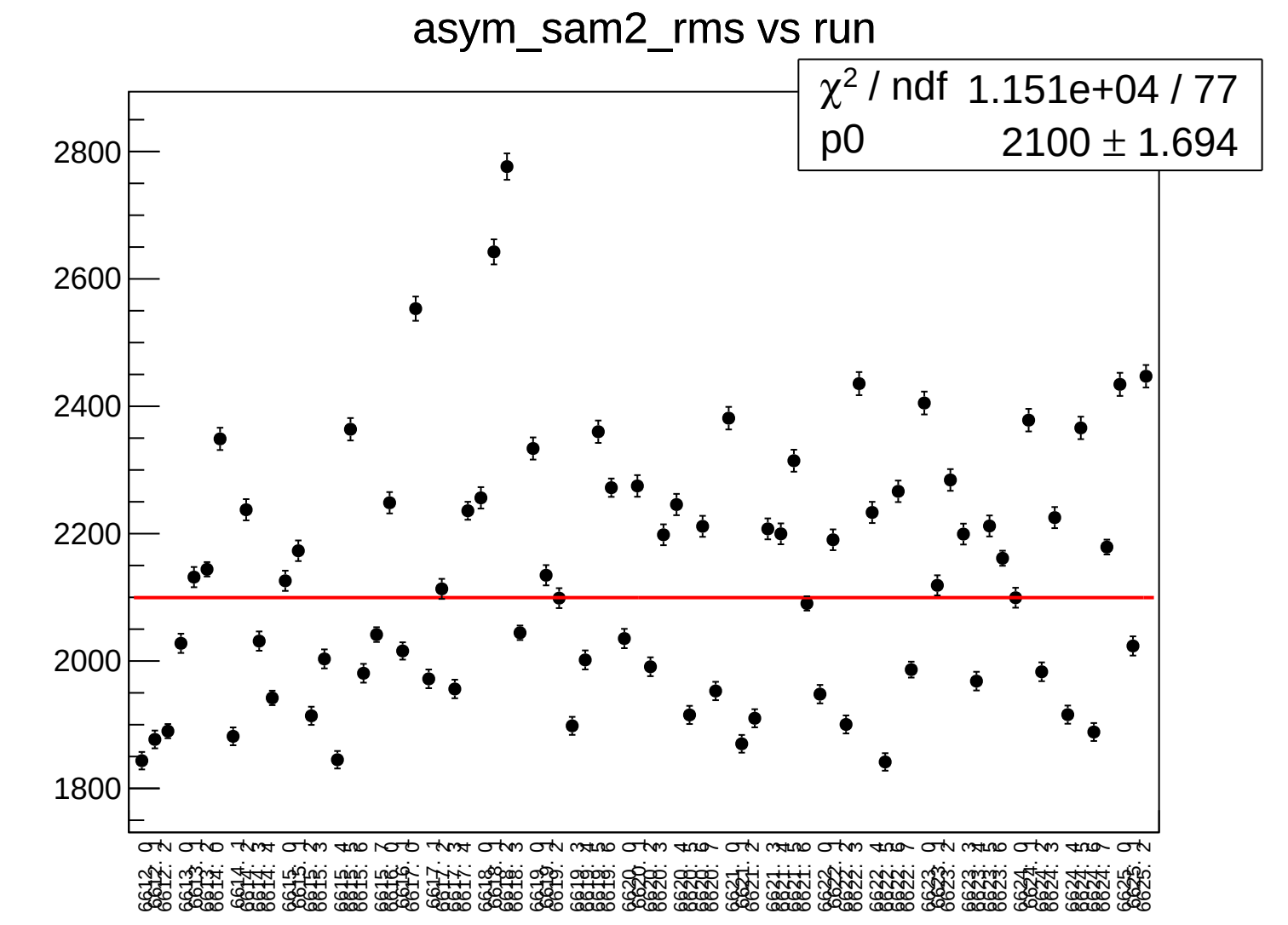

asym_sam2_correction_mean vs run
χ² / ndf 79.64 / 77
p0 −611.1± 2392
pull
Entries 78
Mean −1073
Std Dev 1155

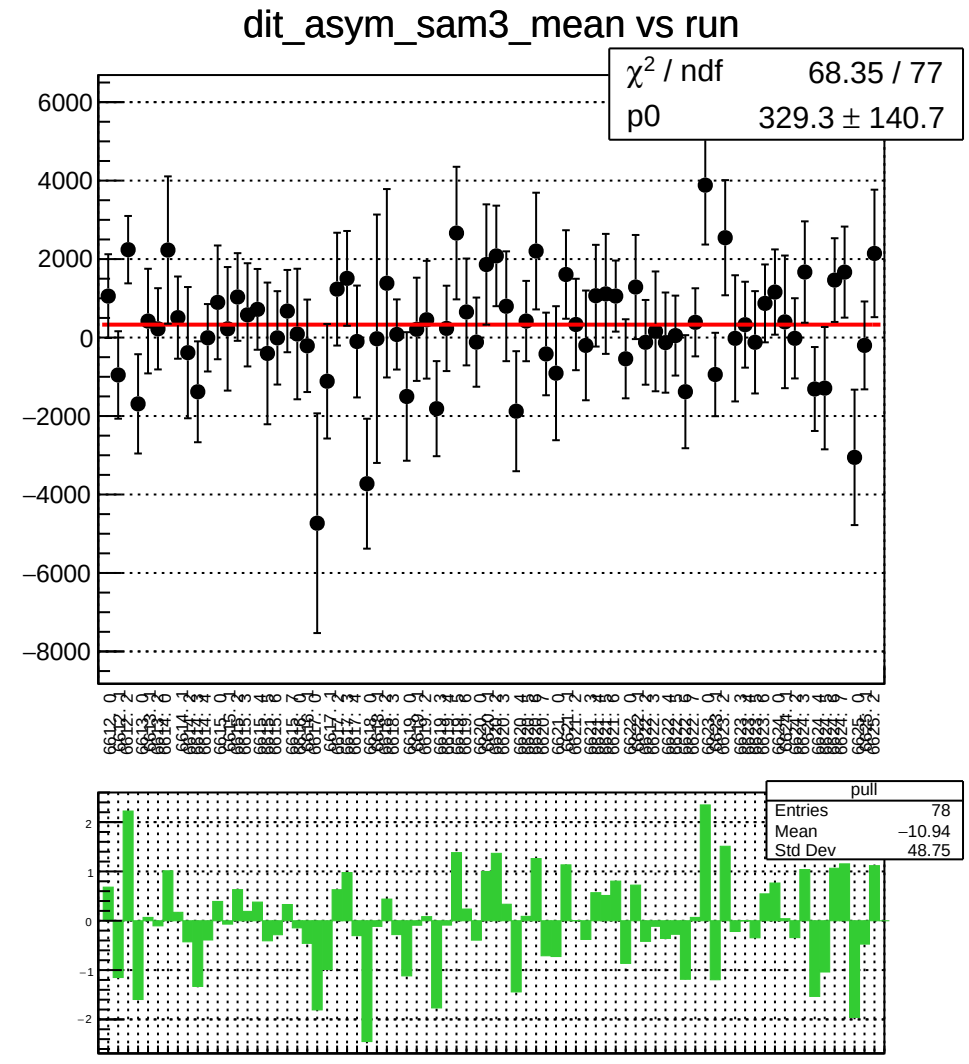

pull1D
Entries 78
Mean −0.0005284
Std Dev 1.01

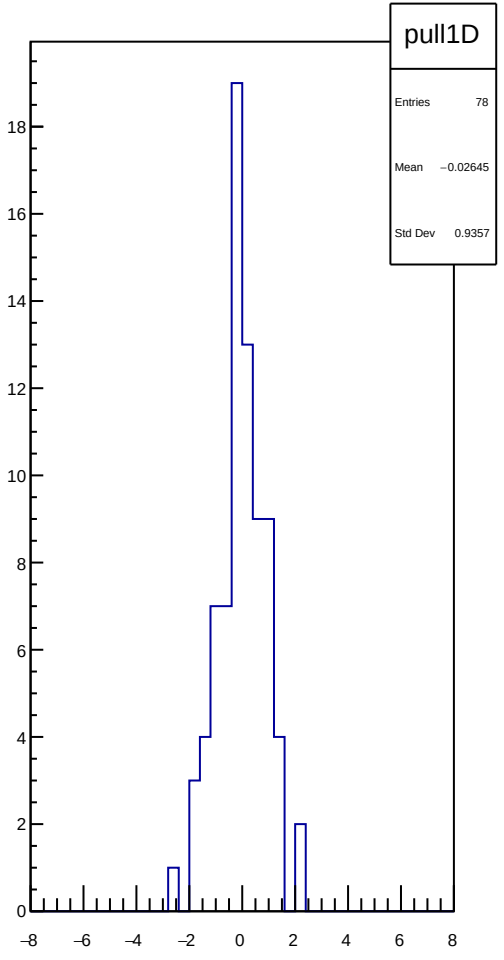

asym_sam2_correction_rms vs run
χ² / ndf 9521 / 77
p0 2098 ± 1.691
2600
2400
2200
2000
1800

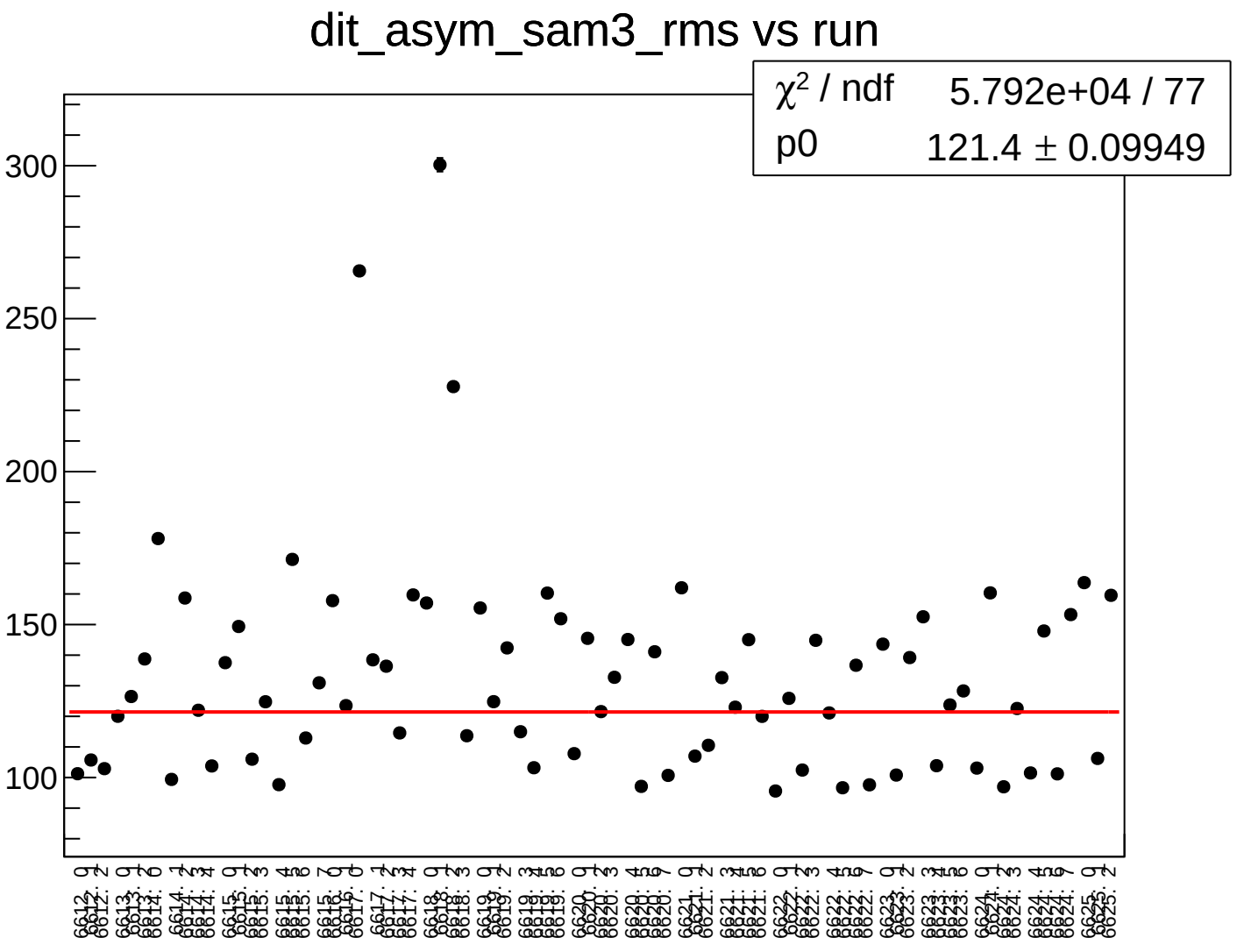

asym_sam2_mean vs run
χ² / ndf 83.14 / 77
p0 815.8 ± 2396
pull
Entries 78
Mean 439.3
Std Dev 360.4

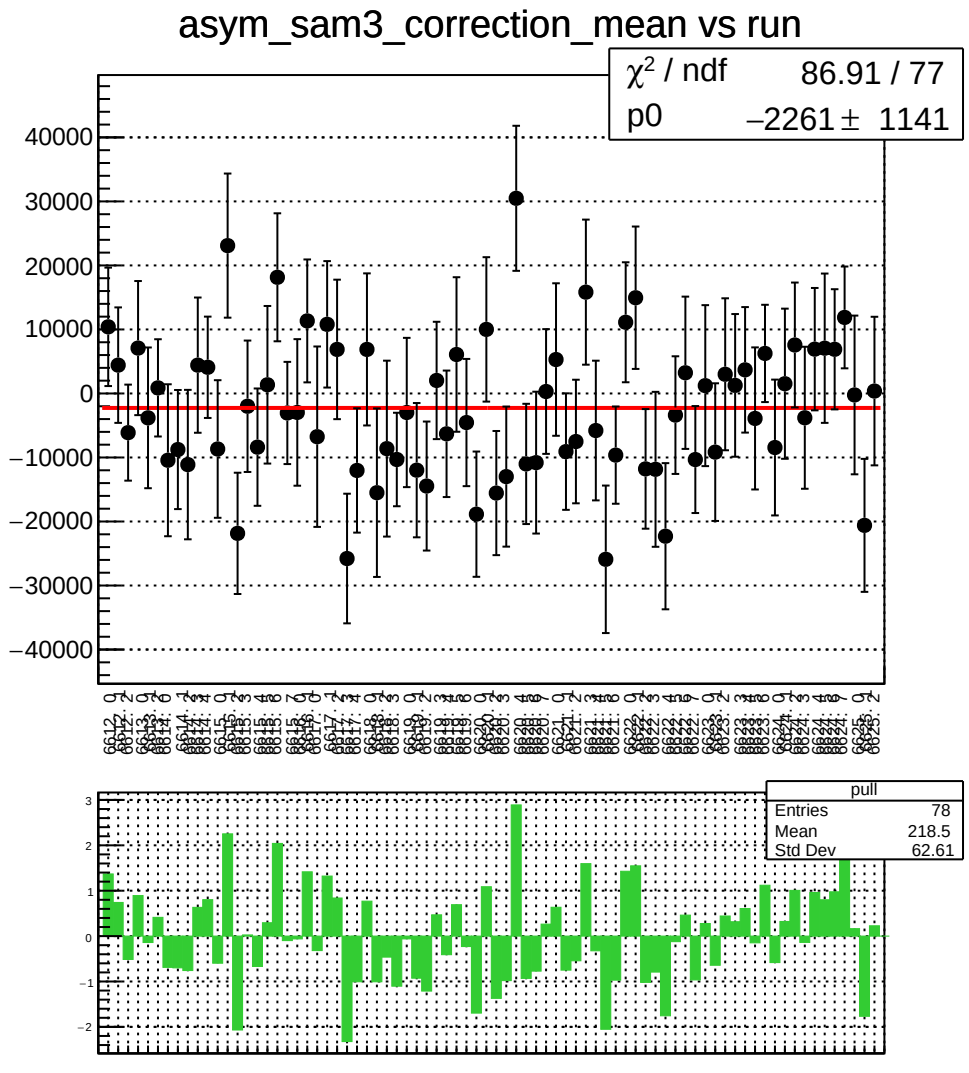

pull1D
Entries 78
Mean −0.001482
Std Dev 1.032

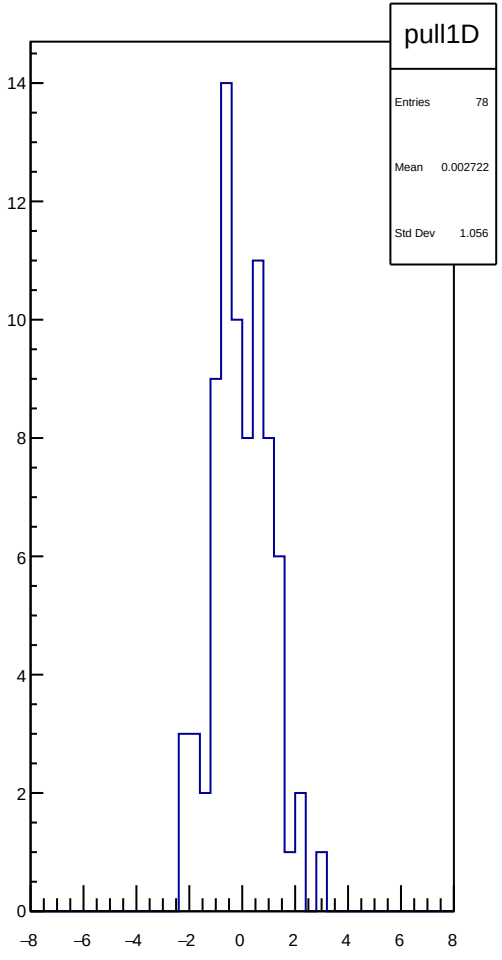

asym_sam2_rms vs run
χ^2 / ndf 1.151e+04 / 77
p0 2100 ± 1.694
2800
2600
2400
2200
2000
1800

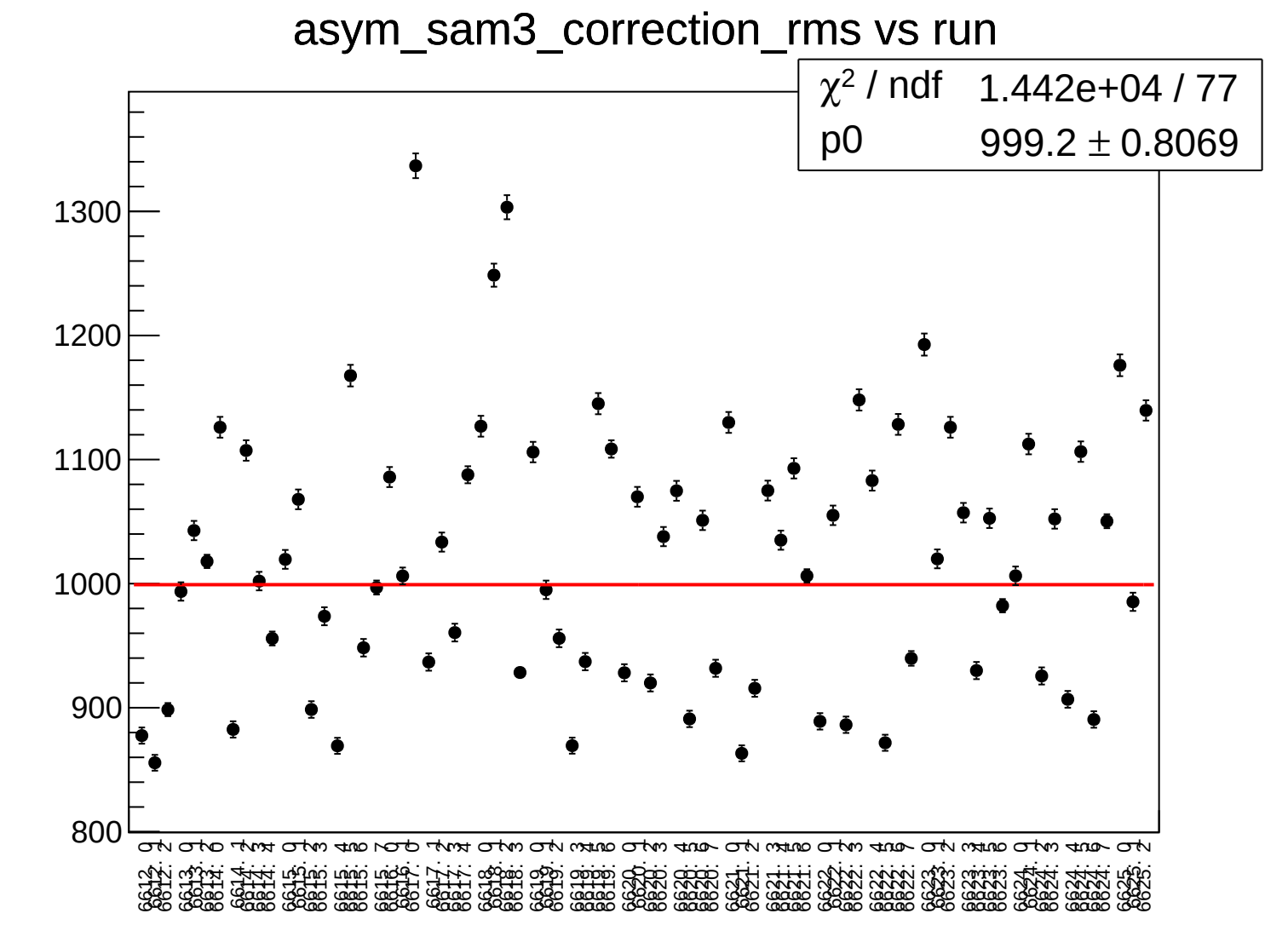

dit_asym_sam3_mean vs run
χ² / ndf 68.35 / 77
p0 329.3 ± 140.7
pull
Entries 78
Mean −10.94
Std Dev 48.75

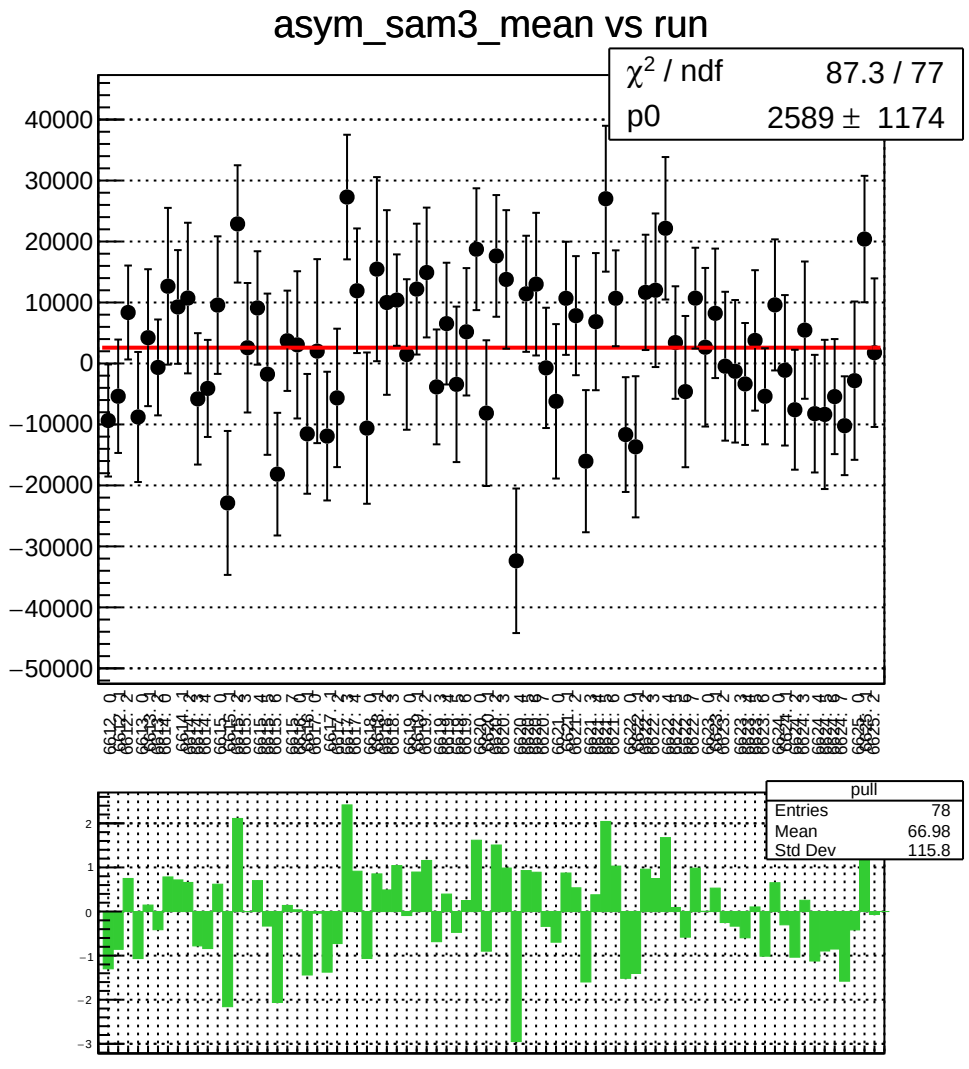

pull1D
Entries 78
Mean −0.02645
Std Dev 0.9357

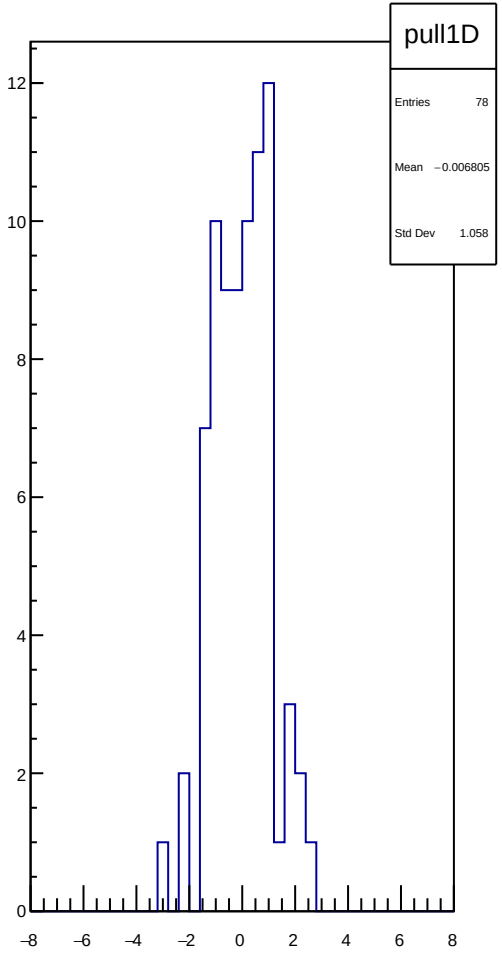

dit_asym_sam3_rms vs run
χ² / ndf 5.792e+04 / 77
p0 121.4 ± 0.09949
300
250
200
150
100

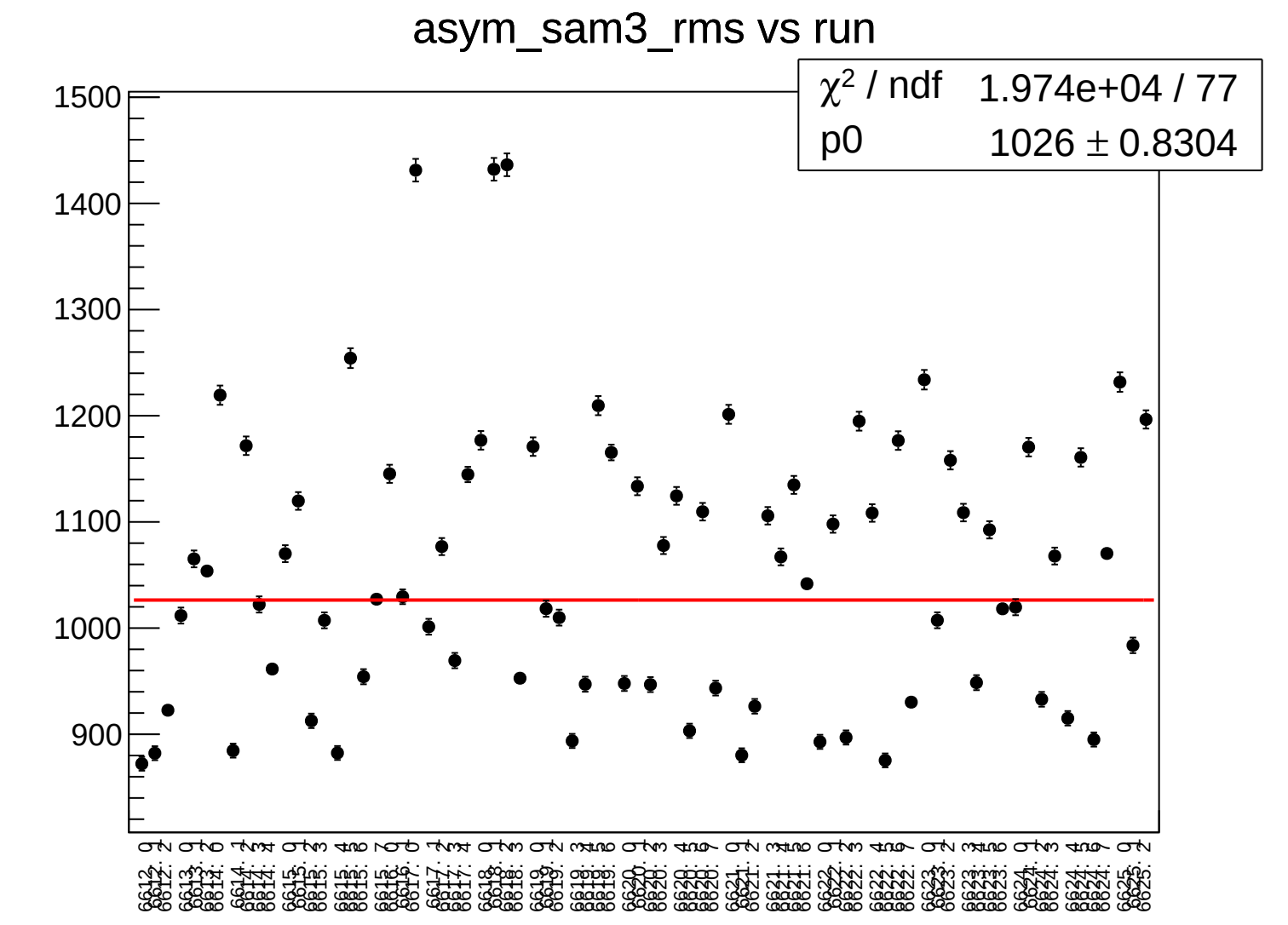

asym_sam3_correction_mean vs run
χ² / ndf 86.91 / 77
p0 −2261 ± 1141
pull
Entries 78
Mean 218.5
Std Dev 62.61

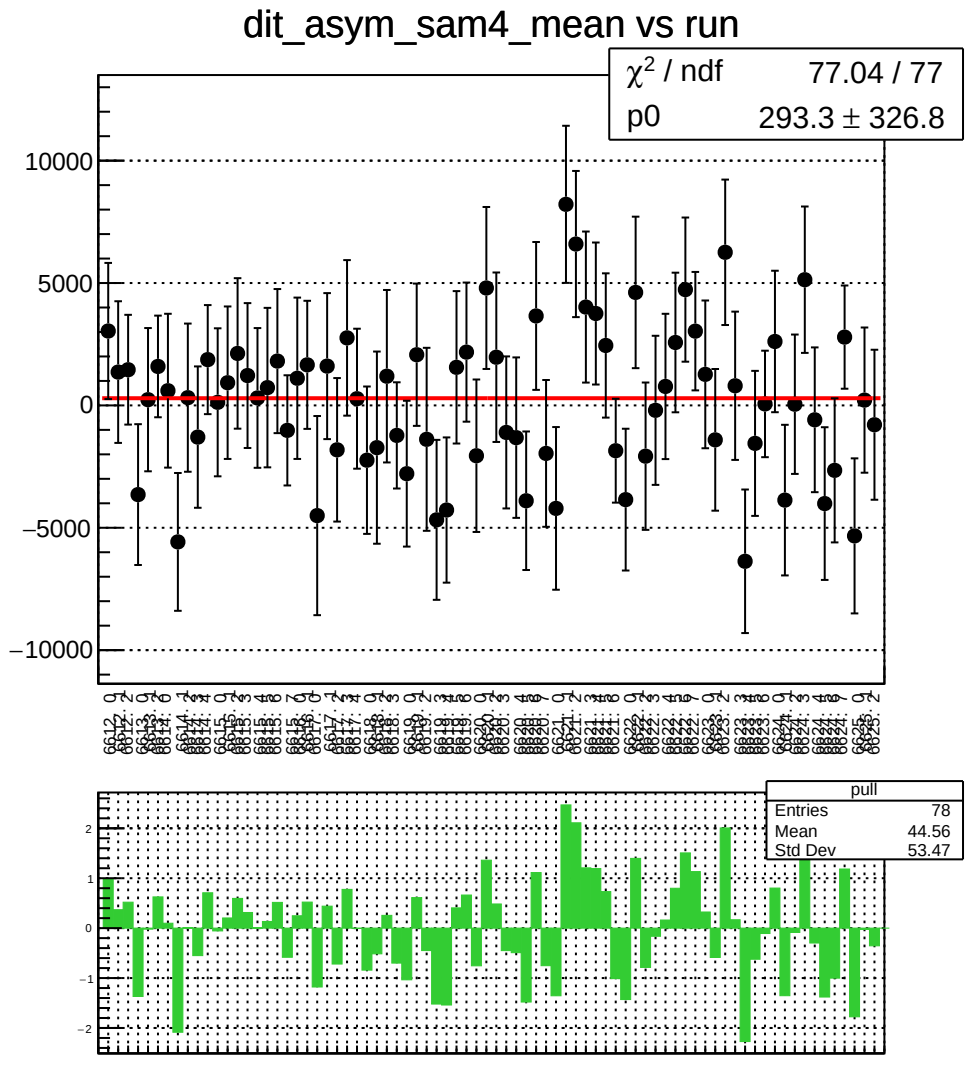

pull1D
Entries 78
Mean 0.002722
Std Dev 1.056

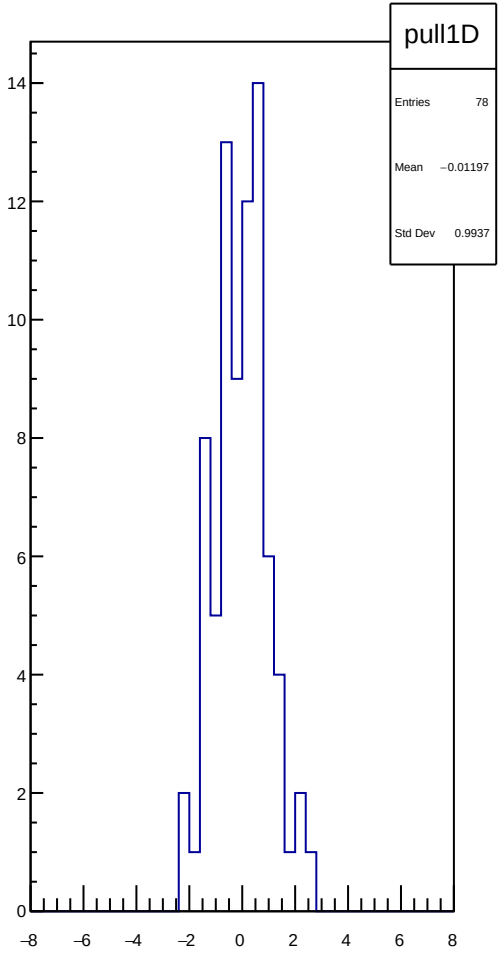

asym_sam3_correction_rms vs run
χ² / ndf 1.442e+04 / 77
p0 999.2 ± 0.8069
1300
1200
1100
1000
900
800

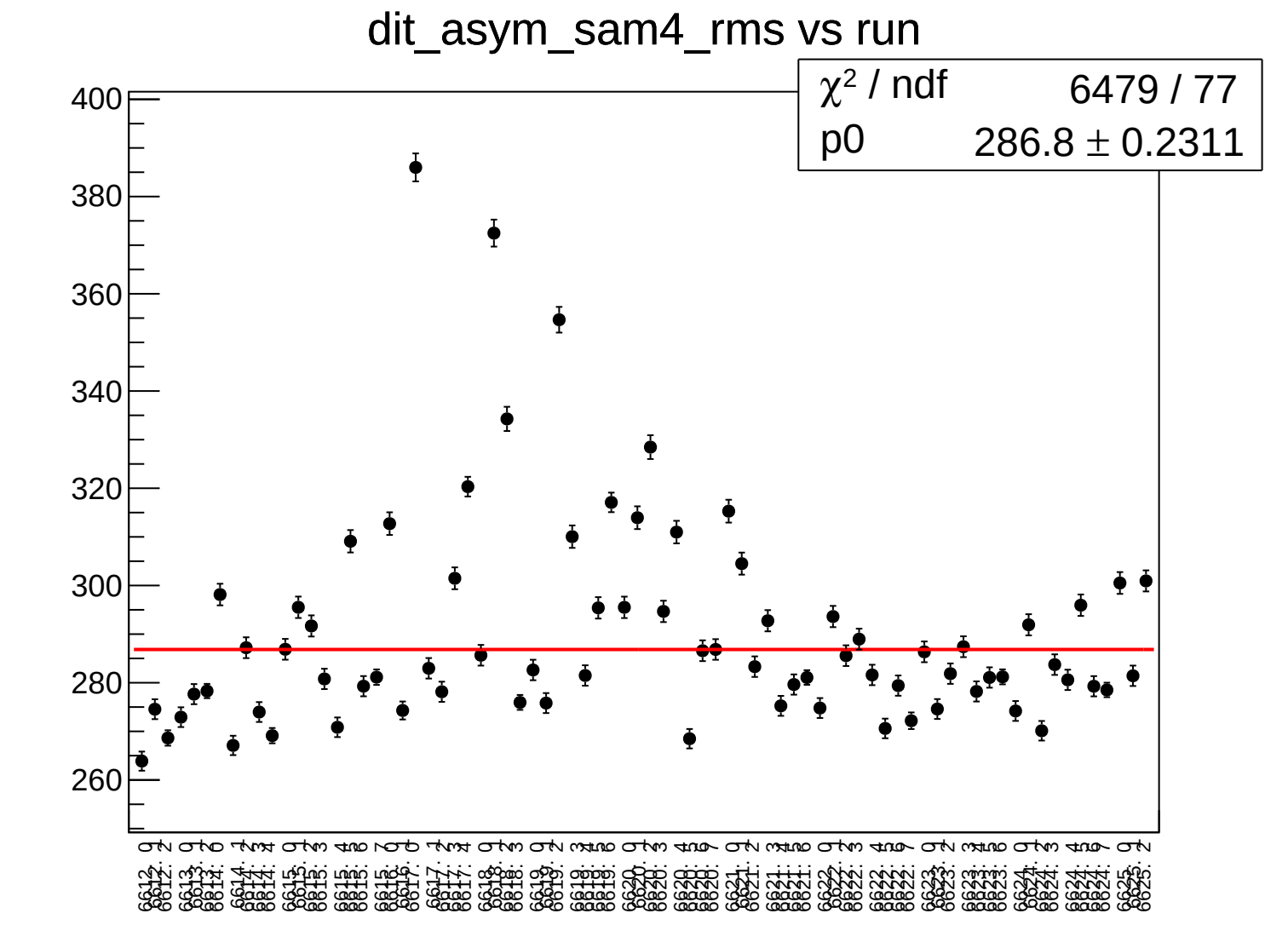

asym_sam3_mean vs run
χ² / ndf 87.3 / 77
p0 2589 ± 1174
pull
Entries 78
Mean 66.98
Std Dev 115.8

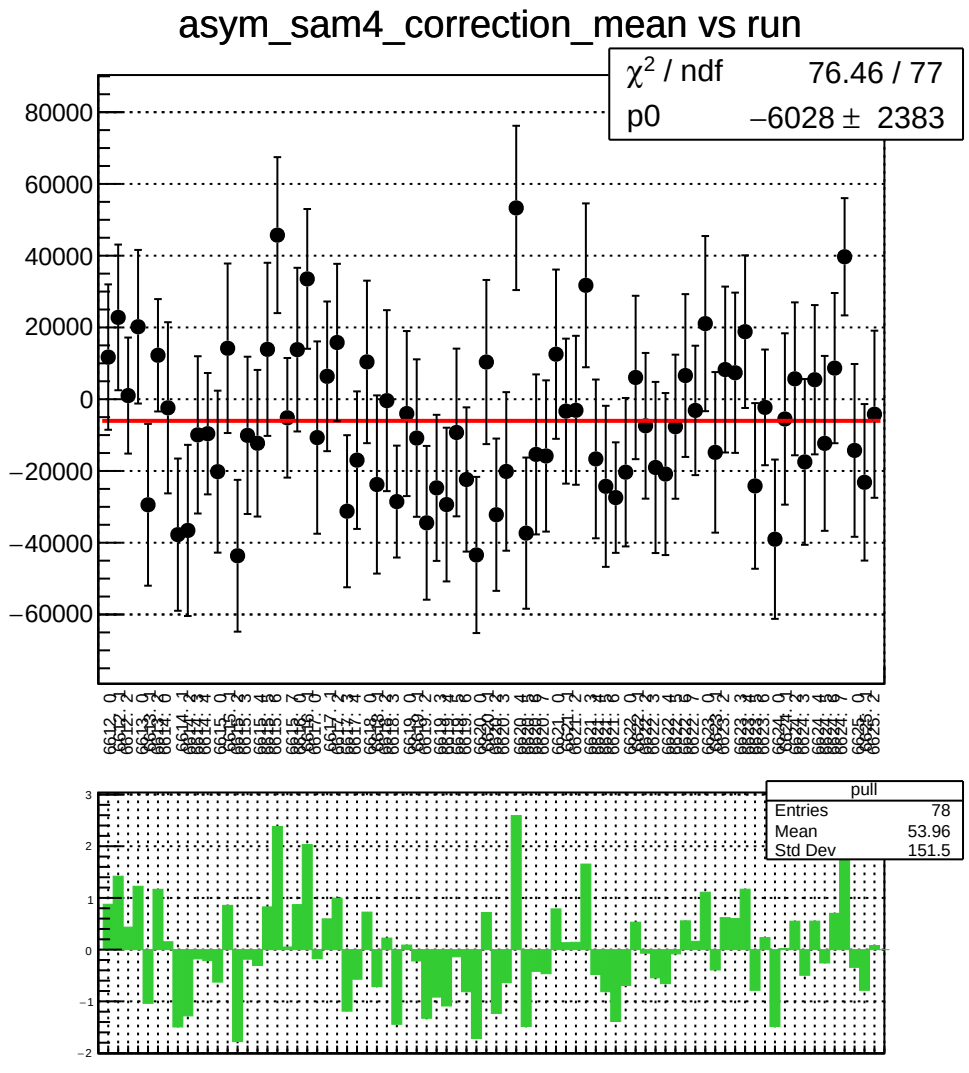

pull1D
Entries 78
Mean −0.006805
Std Dev 1.058

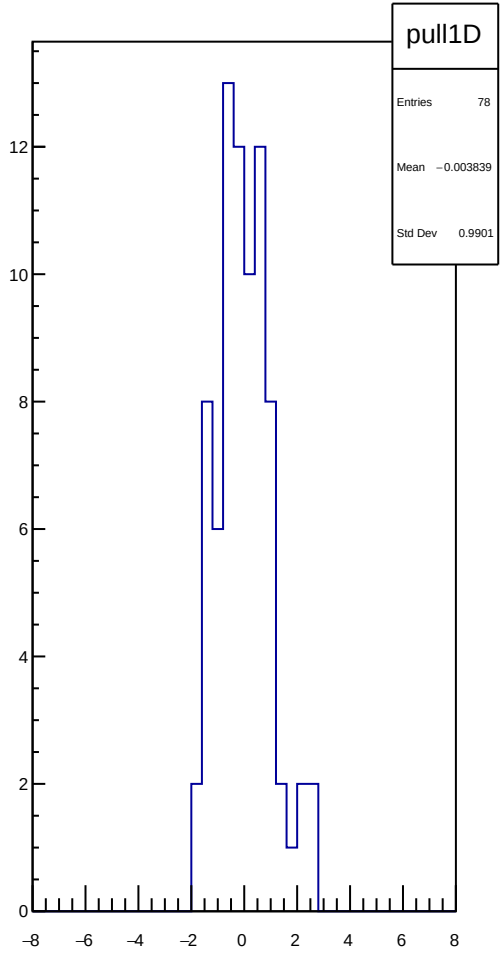

asym_sam3_rms vs run
χ² / ndf 1.974e+04 / 77
p0 1026 ± 0.8304
1500
1400
1300
1200
1100
1000
900

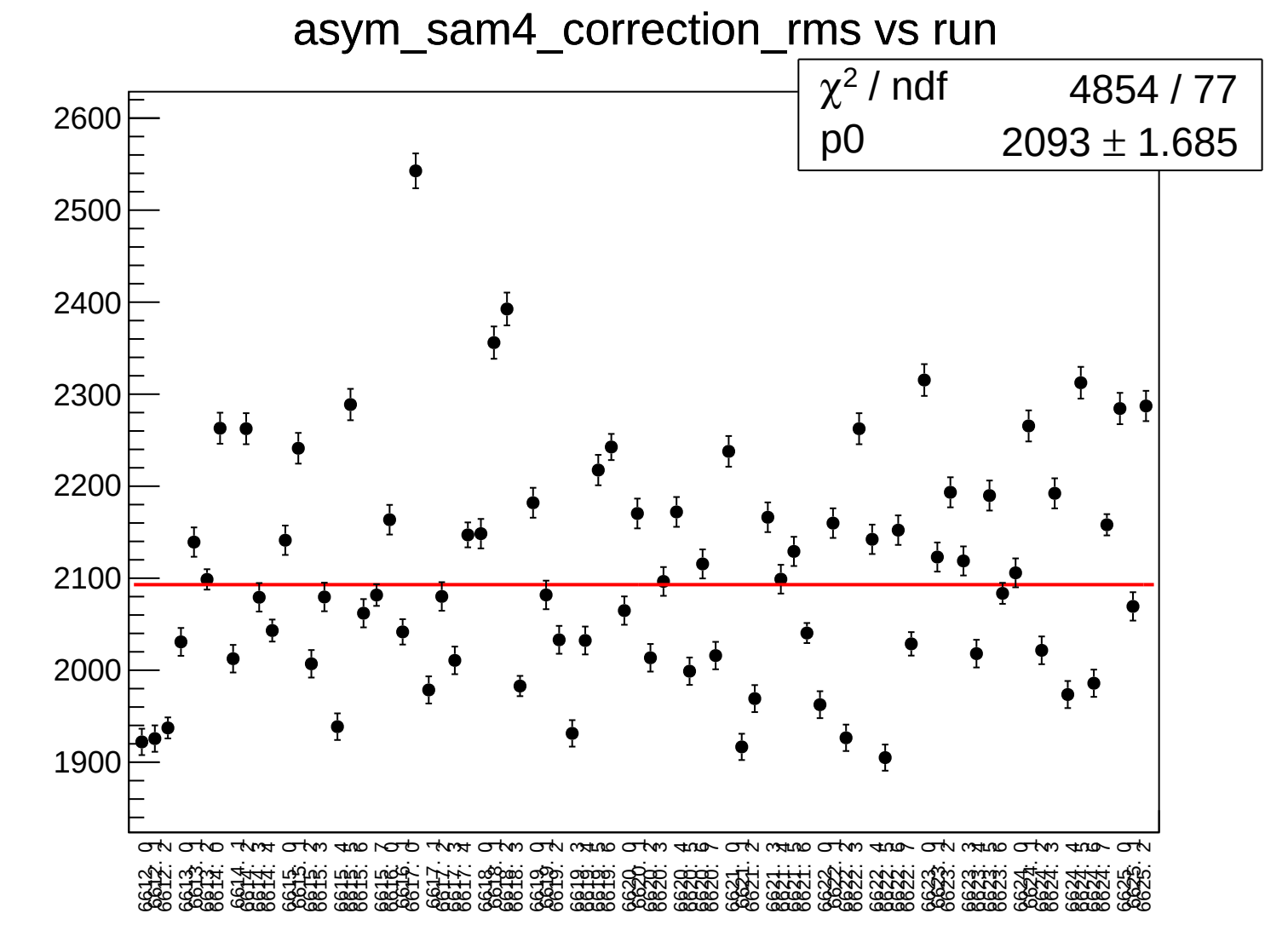

dit_asym_sam4_mean vs run
χ² / ndf 77.04 / 77
p0 293.3 ± 326.8
10000
5000
0
−5000
−10000
pull
Entries 78
Mean 44.56
Std Dev 53.47
2
1
0
−1
−2

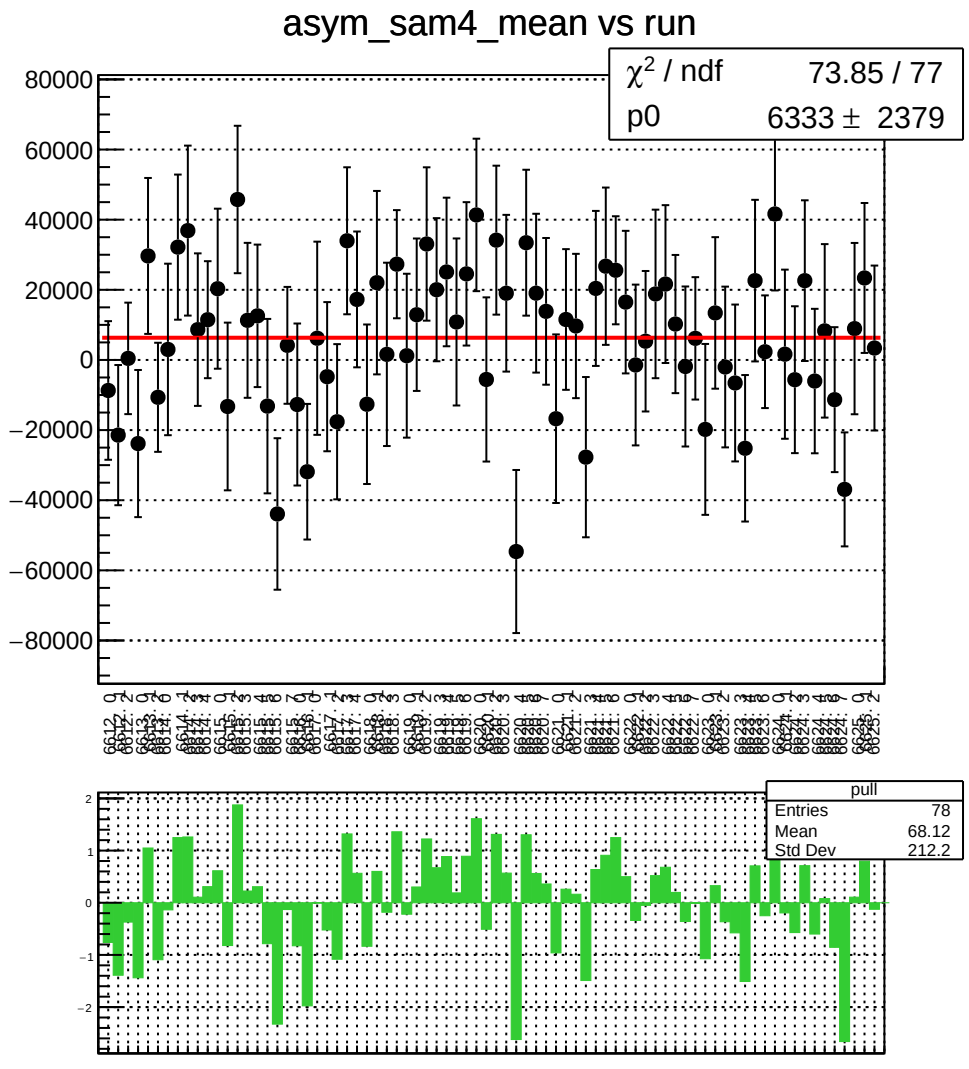

pull1D
Entries 78
Mean −0.01197
Std Dev 0.9937
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

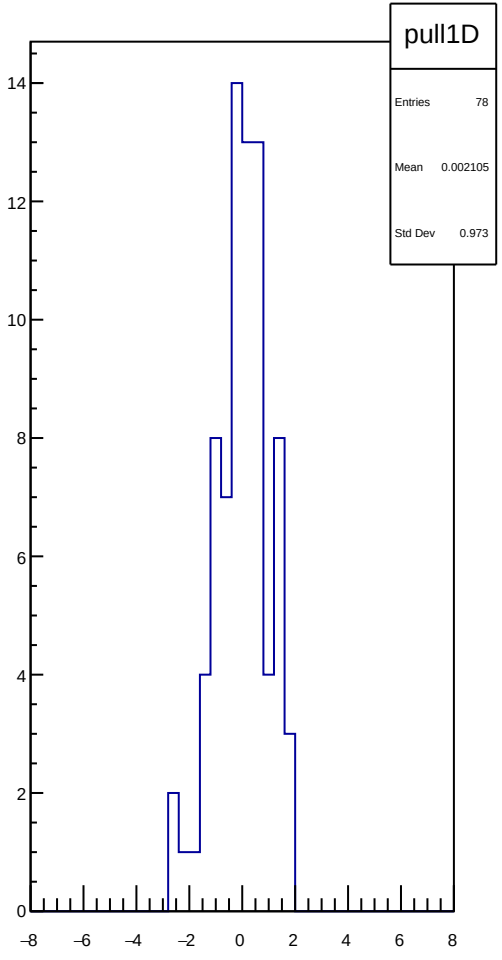

dit_asym_sam4_rms vs run
χ² / ndf 6479 / 77
p0 286.8 ± 0.2311
400
380
360
340
320
300
280
260

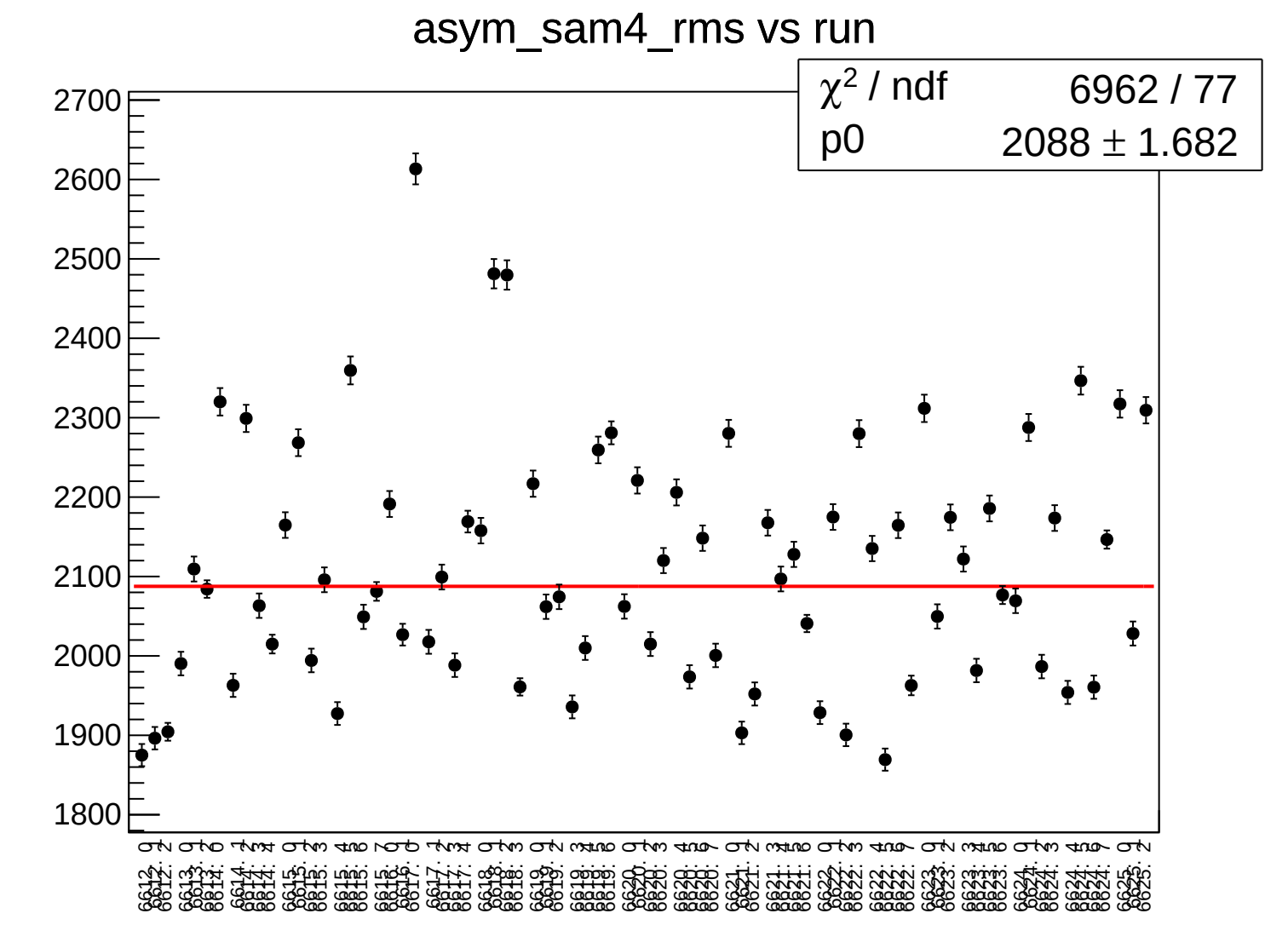

asym_sam4_correction_mean vs run
χ² / ndf 76.46 / 77
p0 −6028 ± 2383
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 78
Mean 53.96
Std Dev 151.5
3
2
1
0
−1
−2

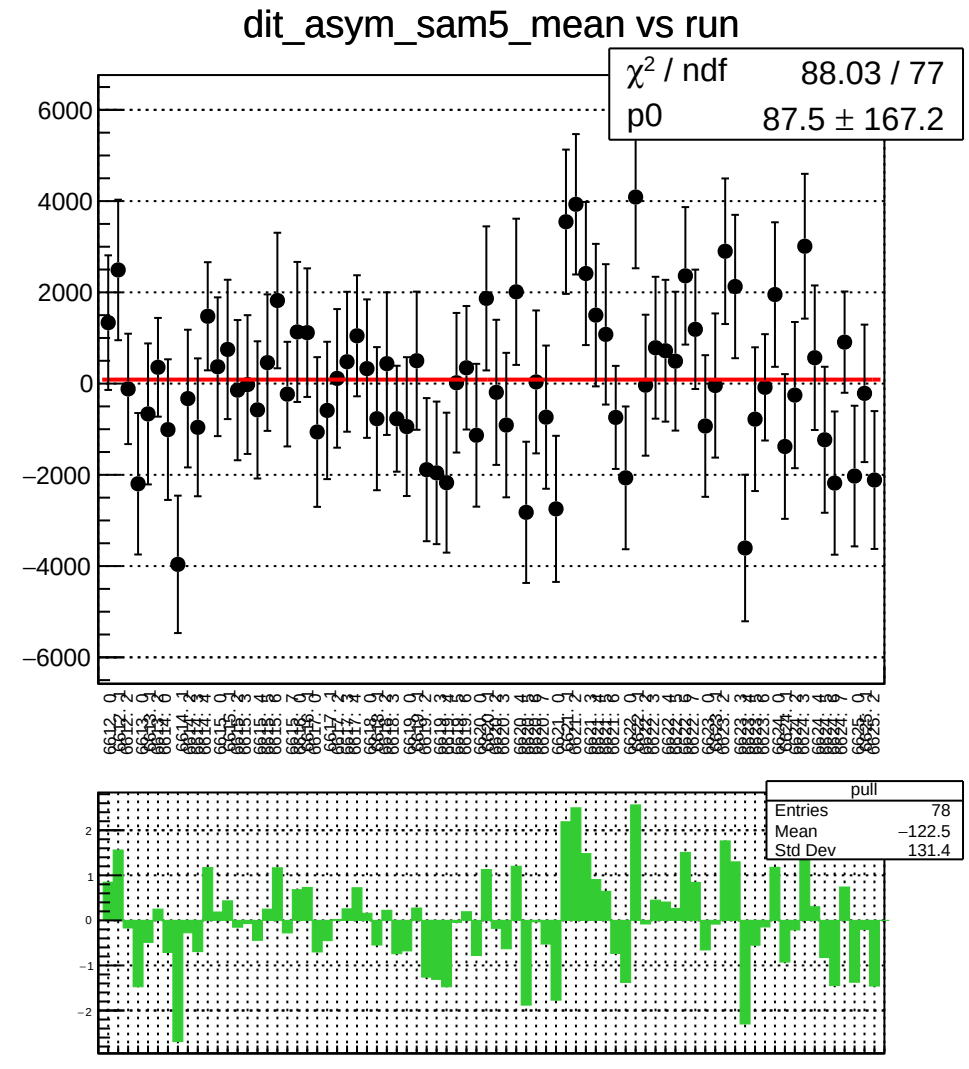

pull1D
Entries 78
Mean −0.003839
Std Dev 0.9901
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

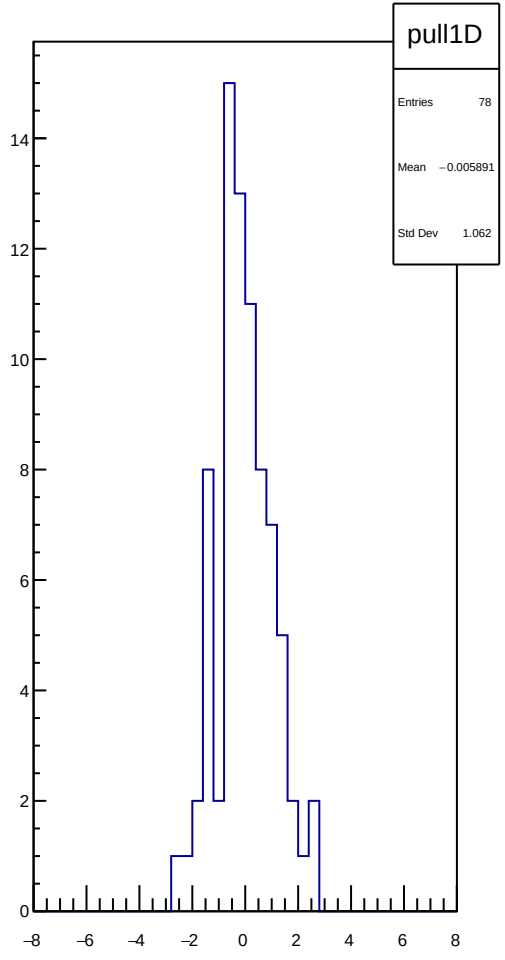

asym_sam4_correction_rms vs run
χ² / ndf 4854 / 77
p0 2093 ± 1.685
2600
2500
2400
2300
2200
2100
2000
1900

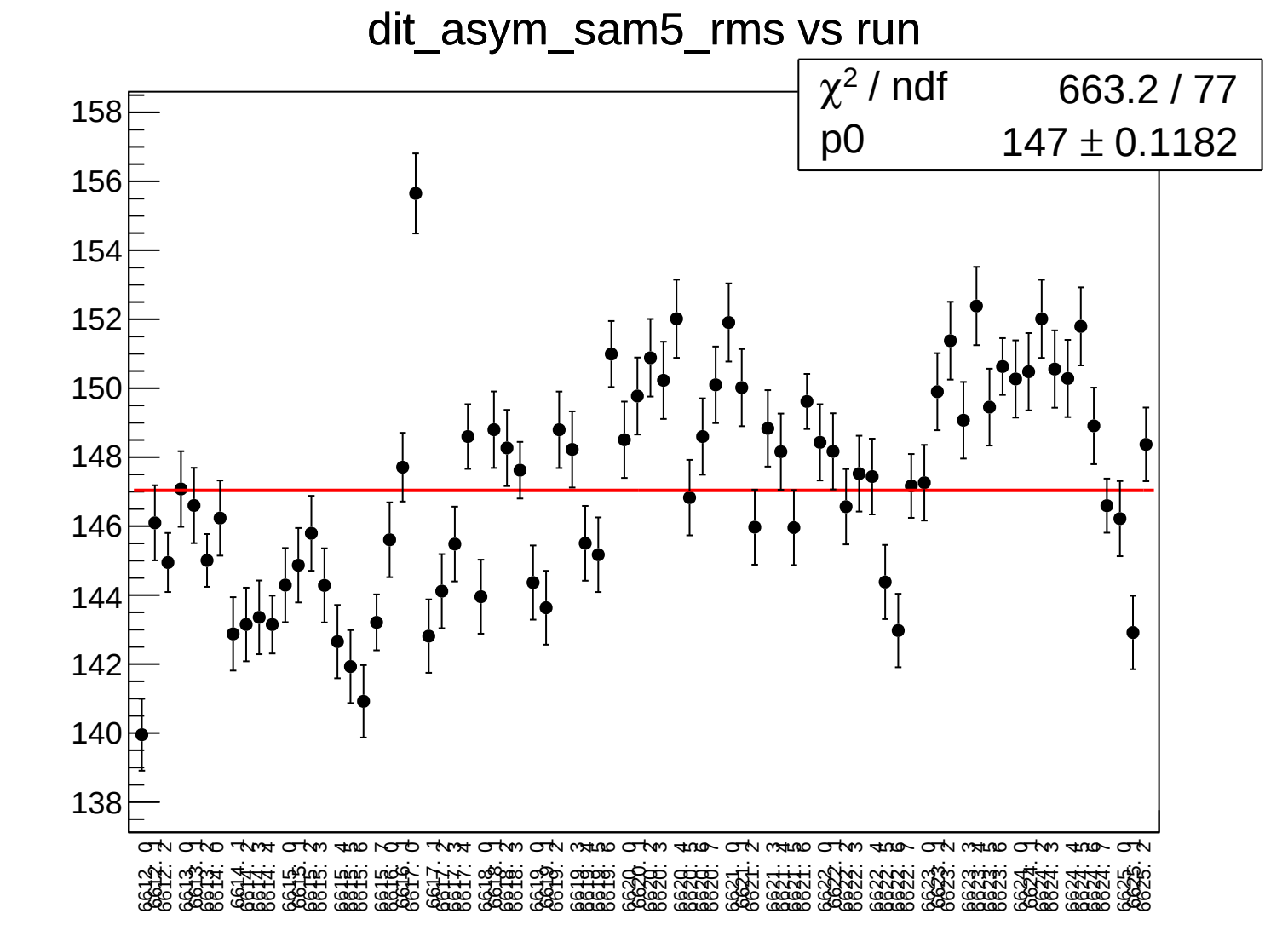

asym_sam4_mean vs run
χ² / ndf 73.85 / 77
p0 6333 ± 2379
pull
Entries 78
Mean 68.12
Std Dev 212.2

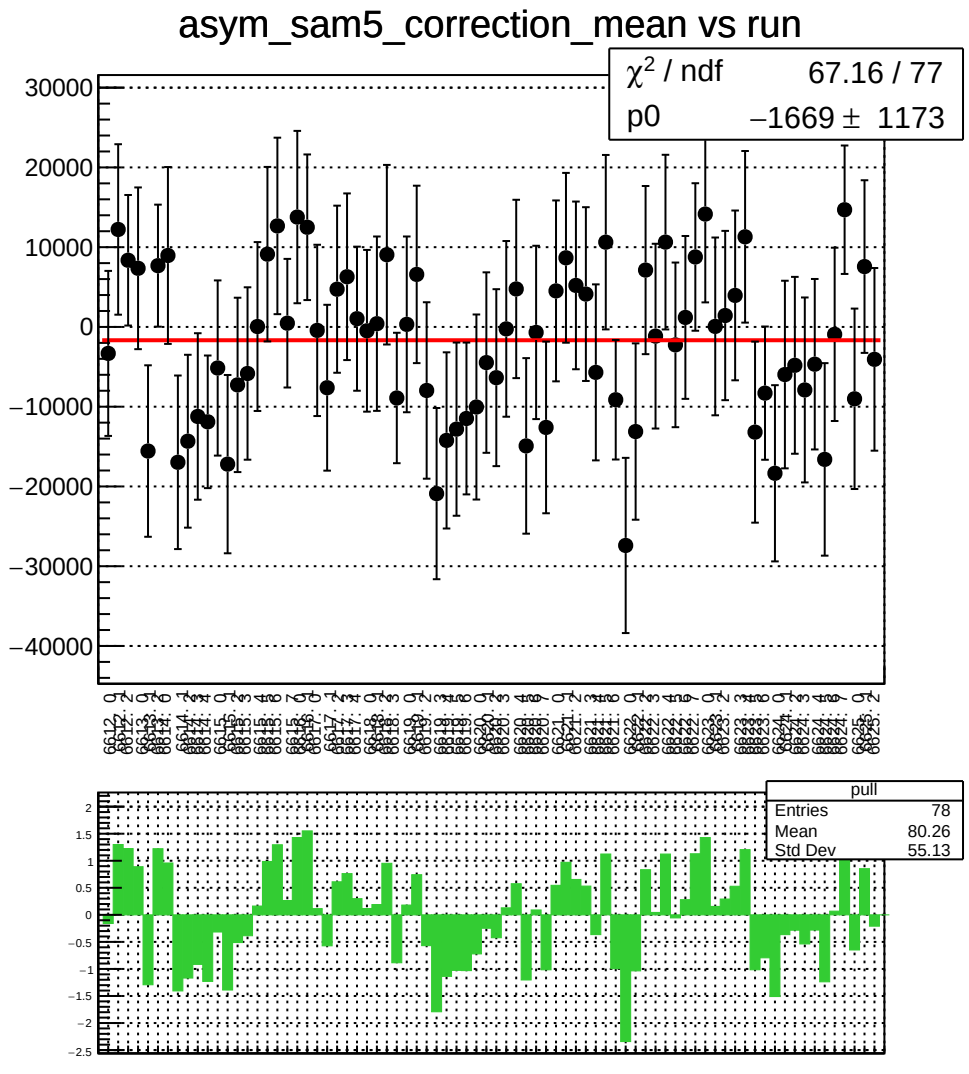

pull1D
Entries 78
Mean 0.002105
Std Dev 0.973

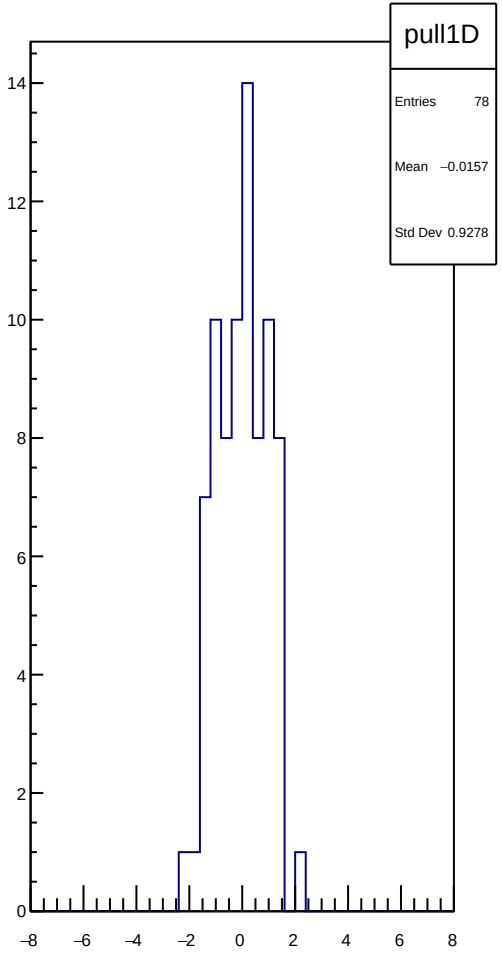

asym_sam4_rms vs run
χ² / ndf 6962 / 77
p0 2088 ± 1.682
2700
2600
2500
2400
2300
2200
2100
2000
1900
1800

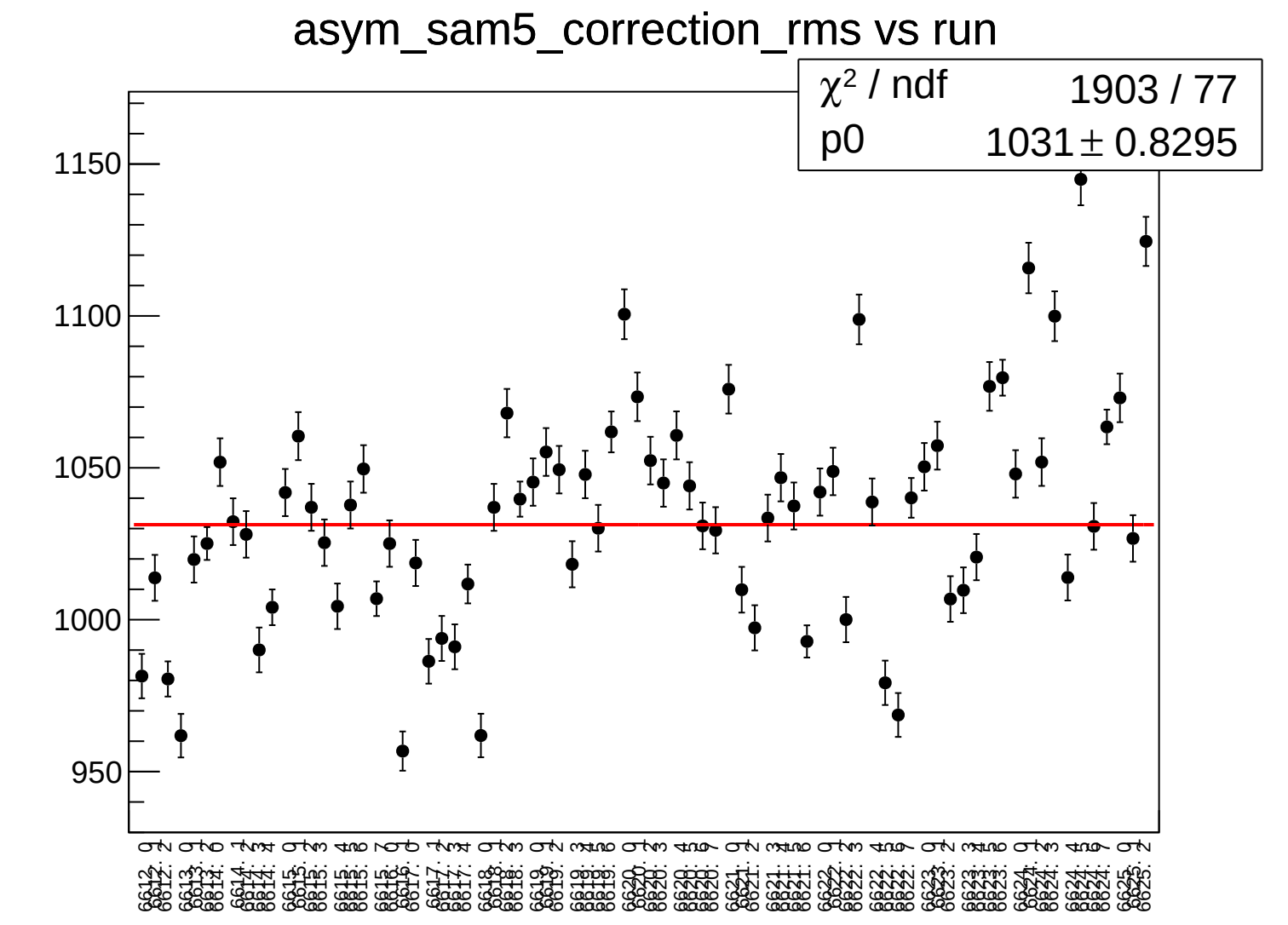

dit_asym_sam5_mean vs run
χ² / ndf 88.03 / 77
p0 87.5 ± 167.2
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 78
Mean −122.5
Std Dev 131.4
2
1
0
−1
−2

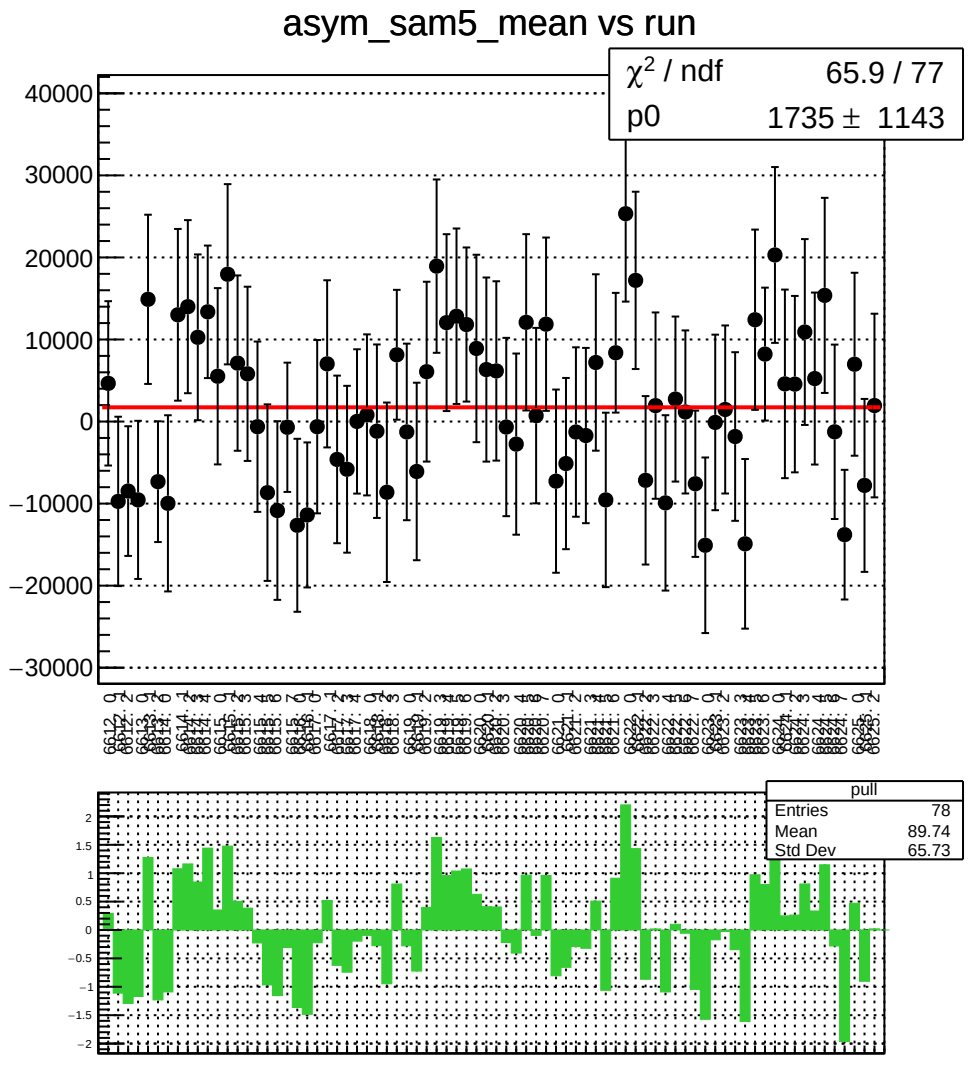

pull1D
Entries 78
Mean −0.005891
Std Dev 1.062
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

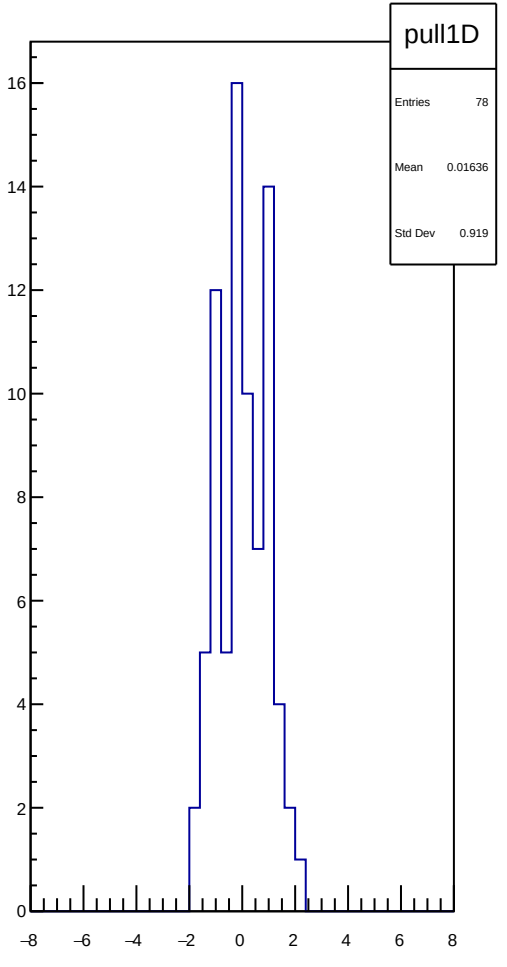

dit_asym_sam5_rms vs run
χ² / ndf 663.2 / 77
p0 147 ± 0.1182
158
156
154
152
150
148
146
144
142
140
138

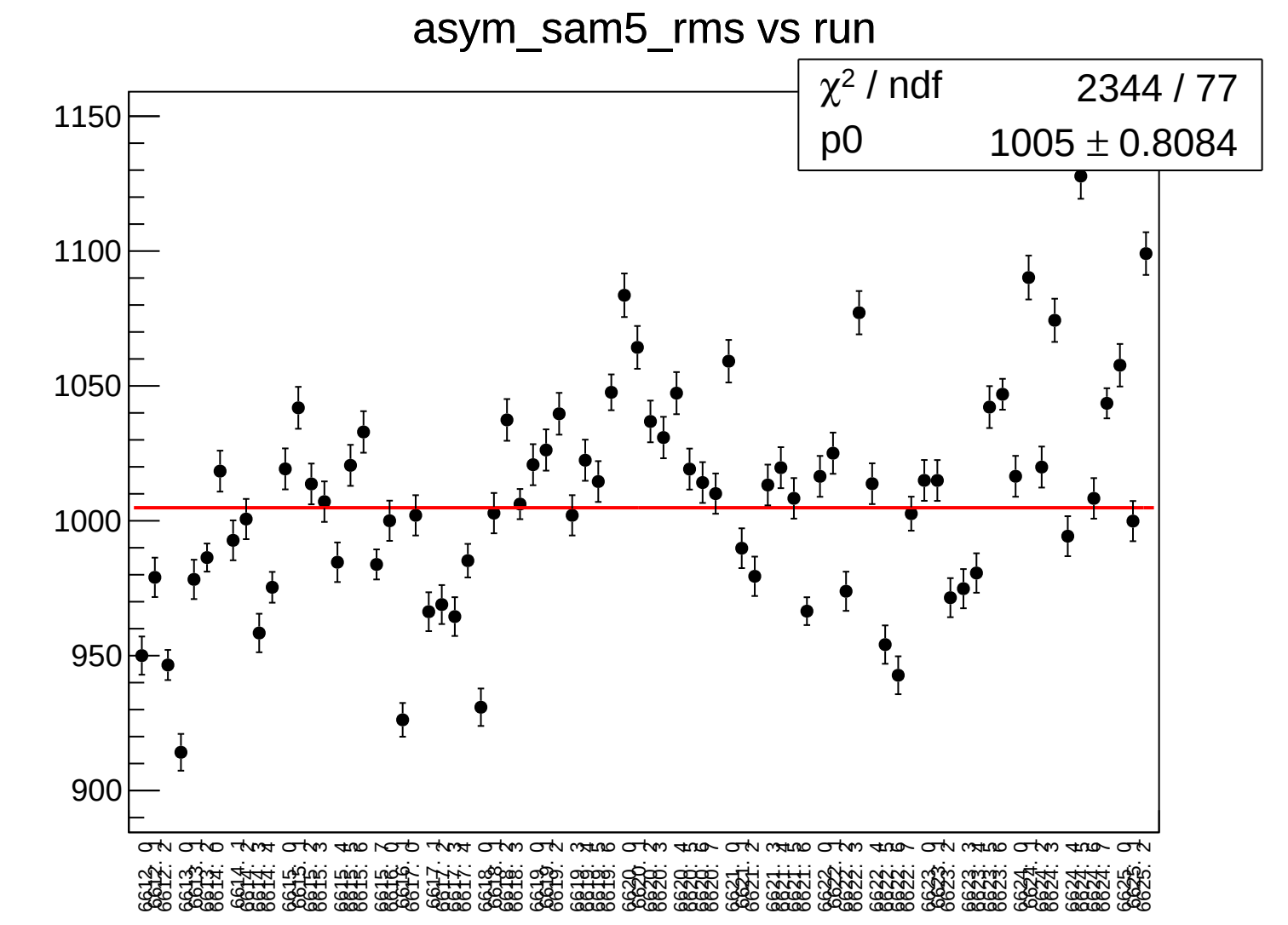

asym_sam5_correction_mean vs run
χ² / ndf 67.16 / 77
p0 −1669 ± 1173
pull
Entries 78
Mean 80.26
Std Dev 55.13

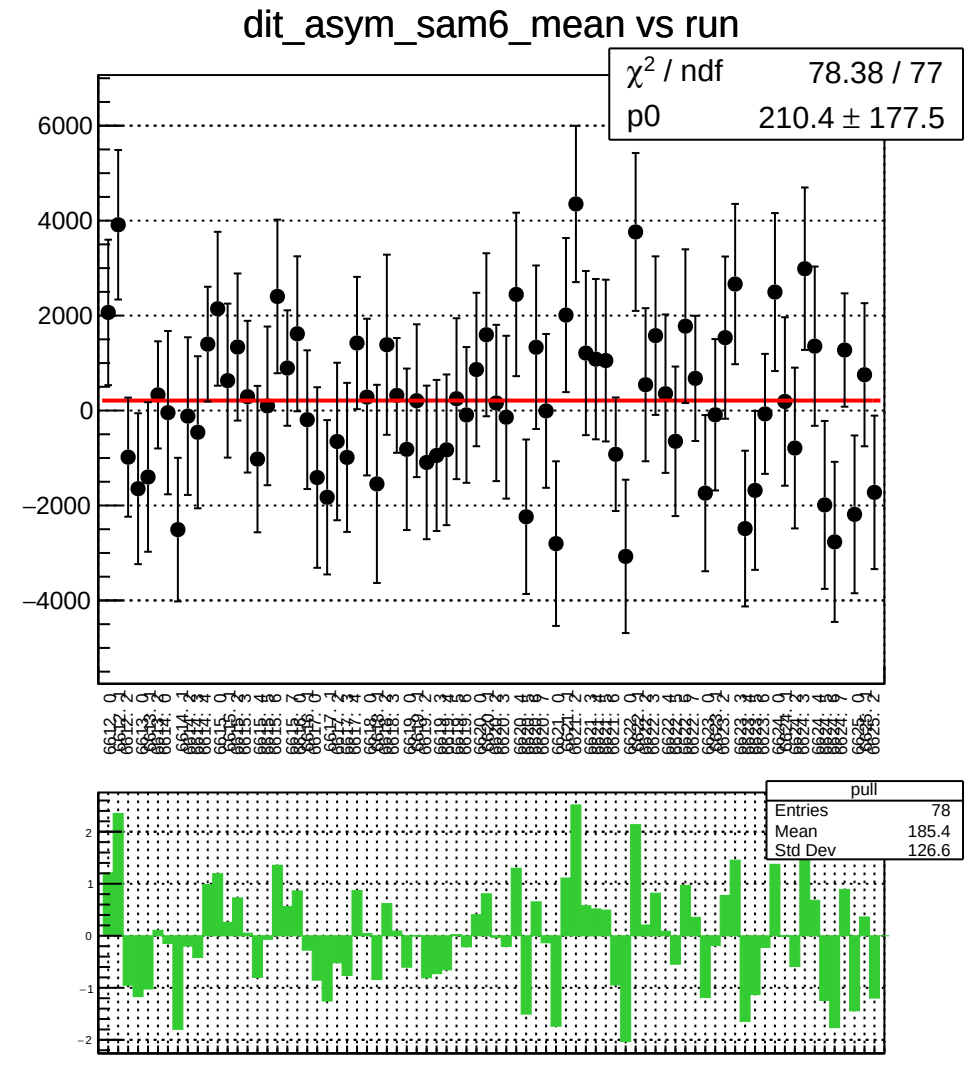

pull1D
Entries 78
Mean −0.0157
Std Dev 0.9278

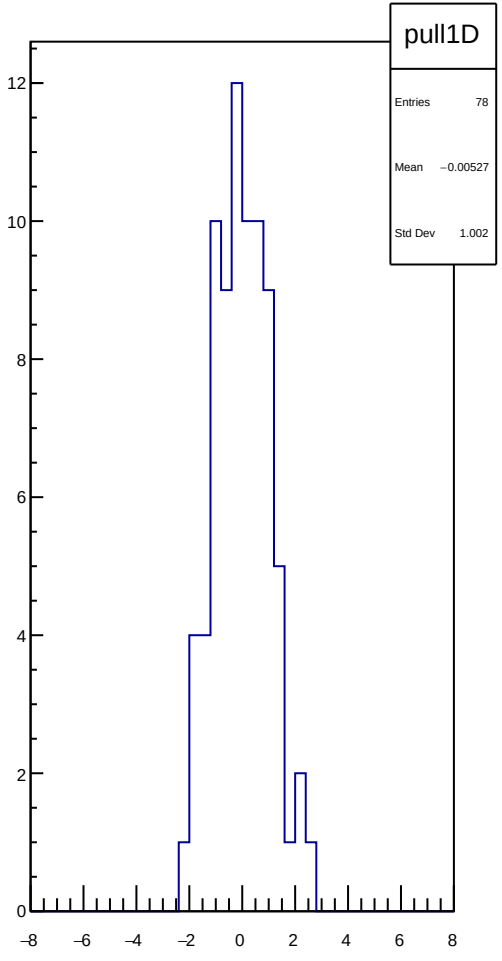

asym_sam5_correction_rms vs run
χ² / ndf 1903 / 77
p0 1031 ± 0.8295
1150
1100
1050
1000
950

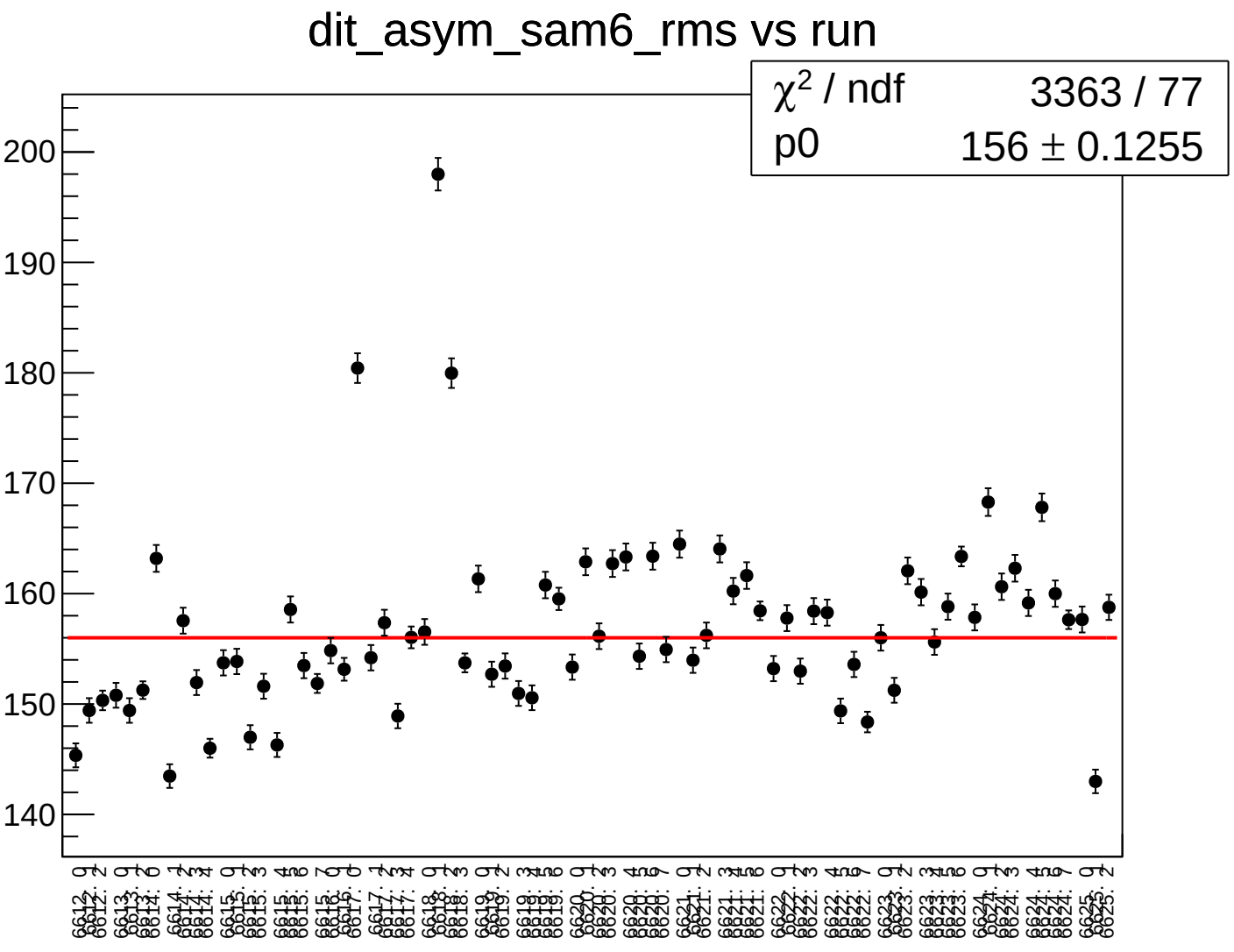

asym_sam5_mean vs run
χ² / ndf 65.9 / 77
p0 1735 ± 1143
pull
Entries 78
Mean 89.74
Std Dev 65.73

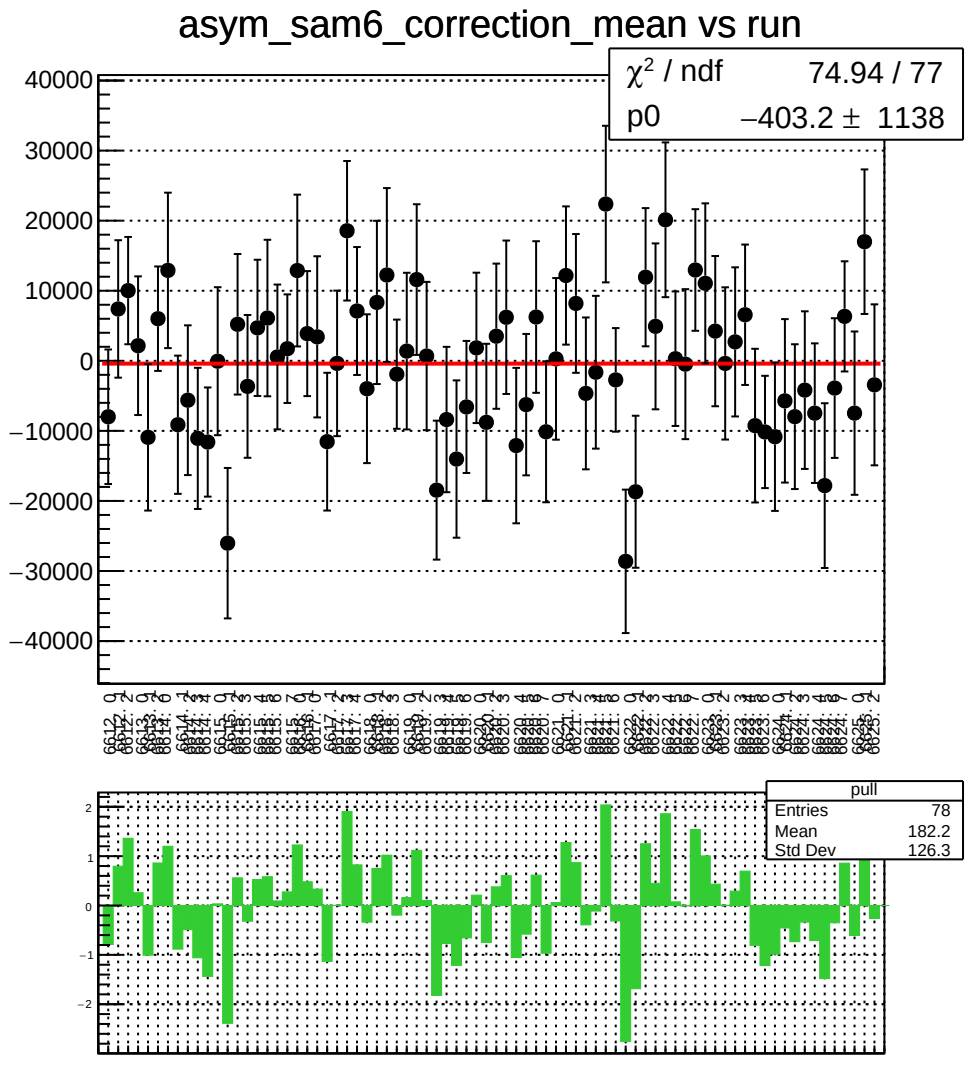

pull1D
Entries 78
Mean 0.01636
Std Dev 0.919

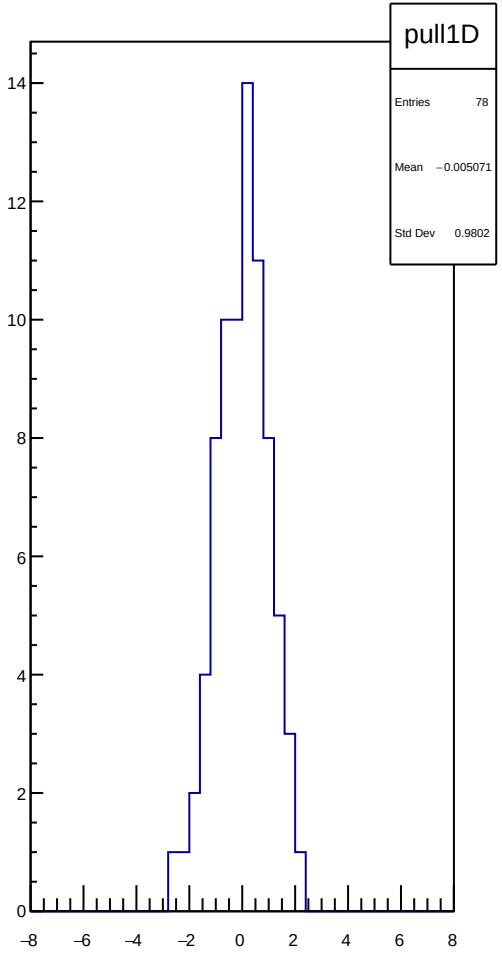

asym_sam5_rms vs run
χ² / ndf 2344 / 77
p0 1005 ± 0.8084
1150
1100
1050
1000
950
900

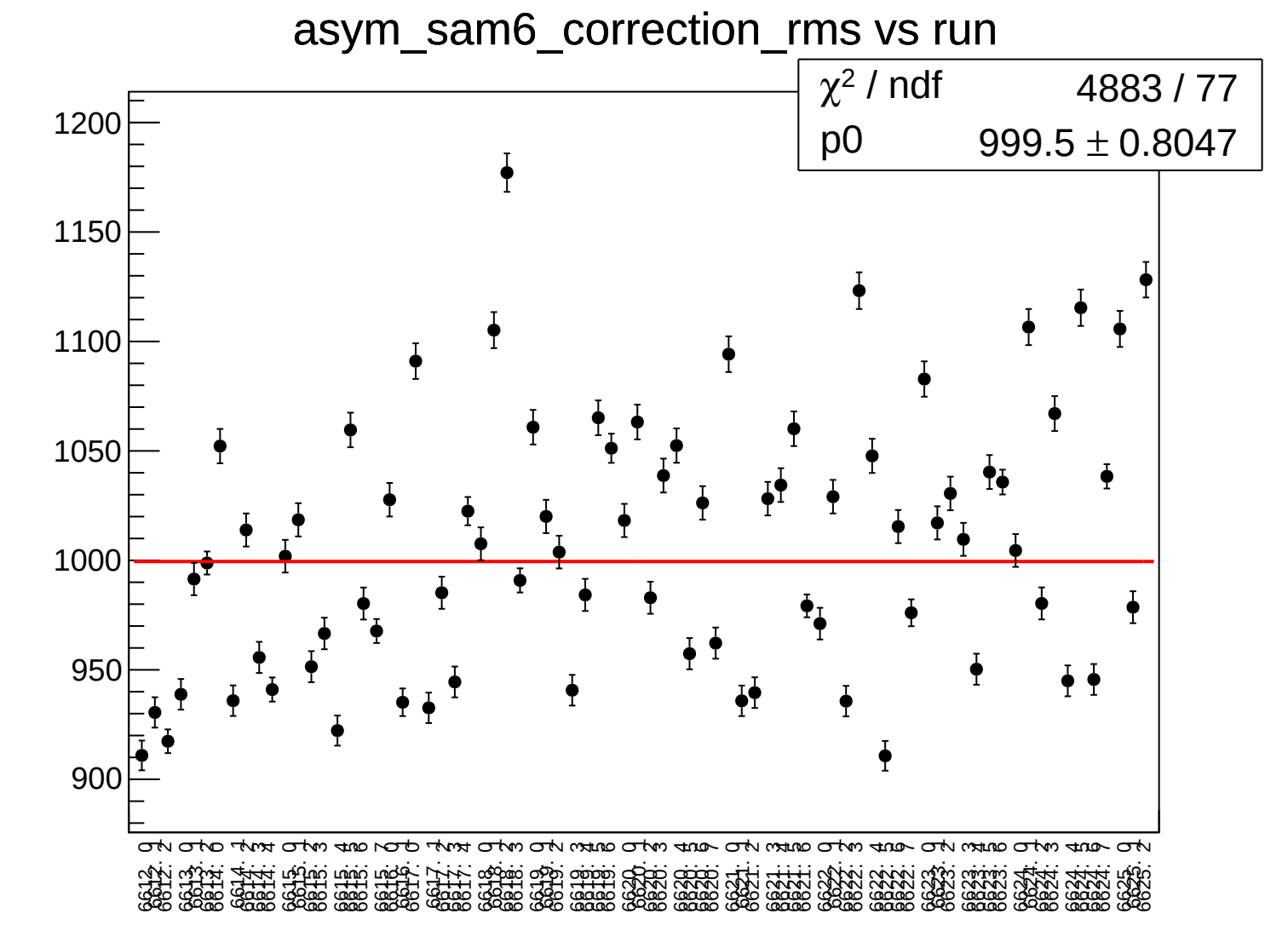

dit_asym_sam6_mean vs run
χ² / ndf 78.38 / 77
p0 210.4 ± 177.5
6000
4000
2000
0
−2000
−4000
pull
Entries 78
Mean 185.4
Std Dev 126.6
2
1
0
−1
−2

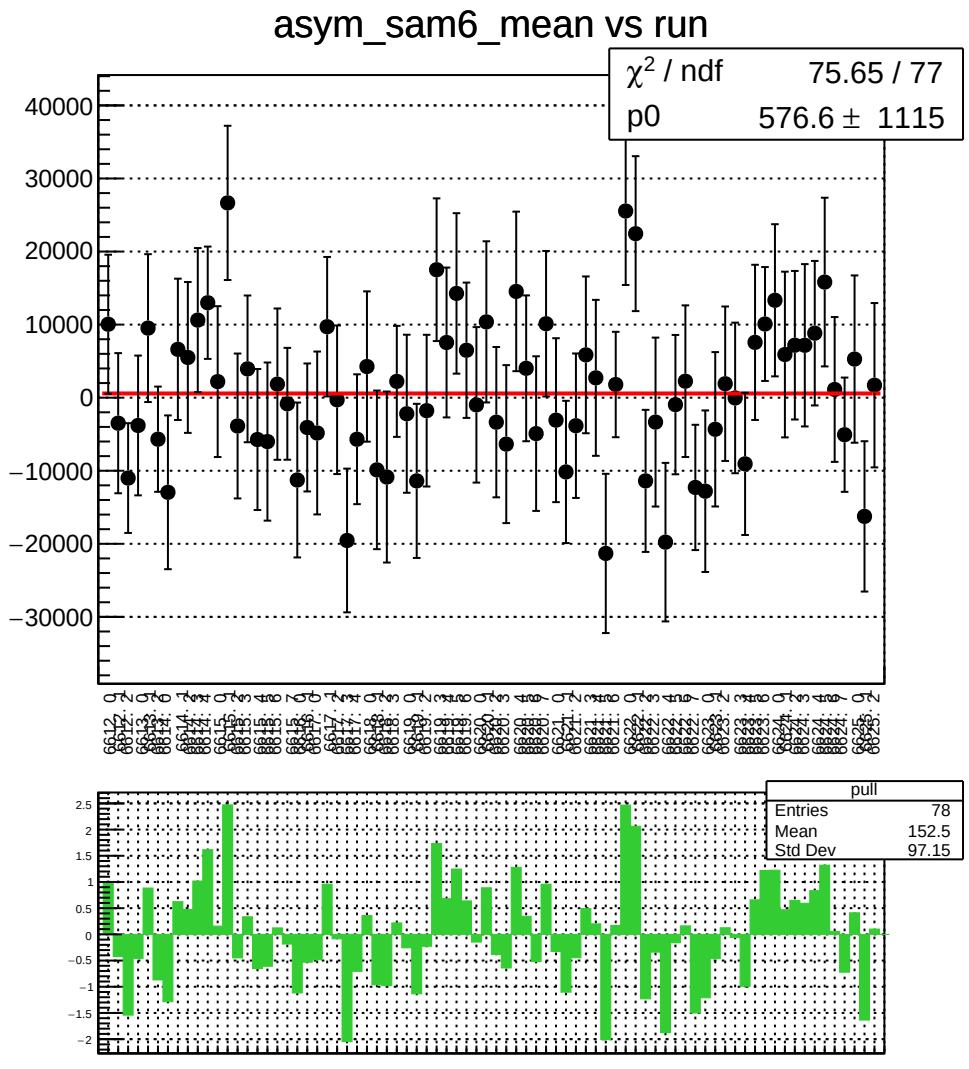

pull1D
Entries 78
Mean −0.00527
Std Dev 1.002
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

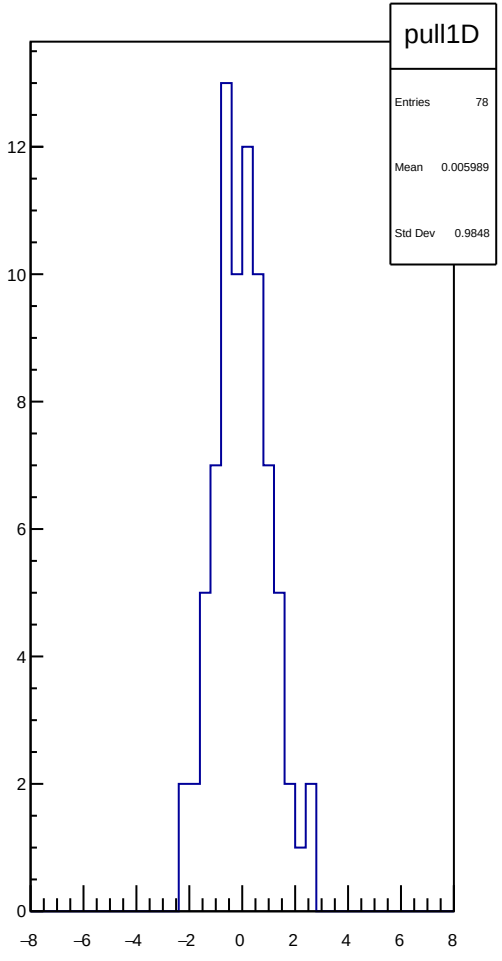

dit_asym_sam6_rms vs run
χ² / ndf 3363 / 77
p0 156 ± 0.1255
200
190
180
170
160
150
140

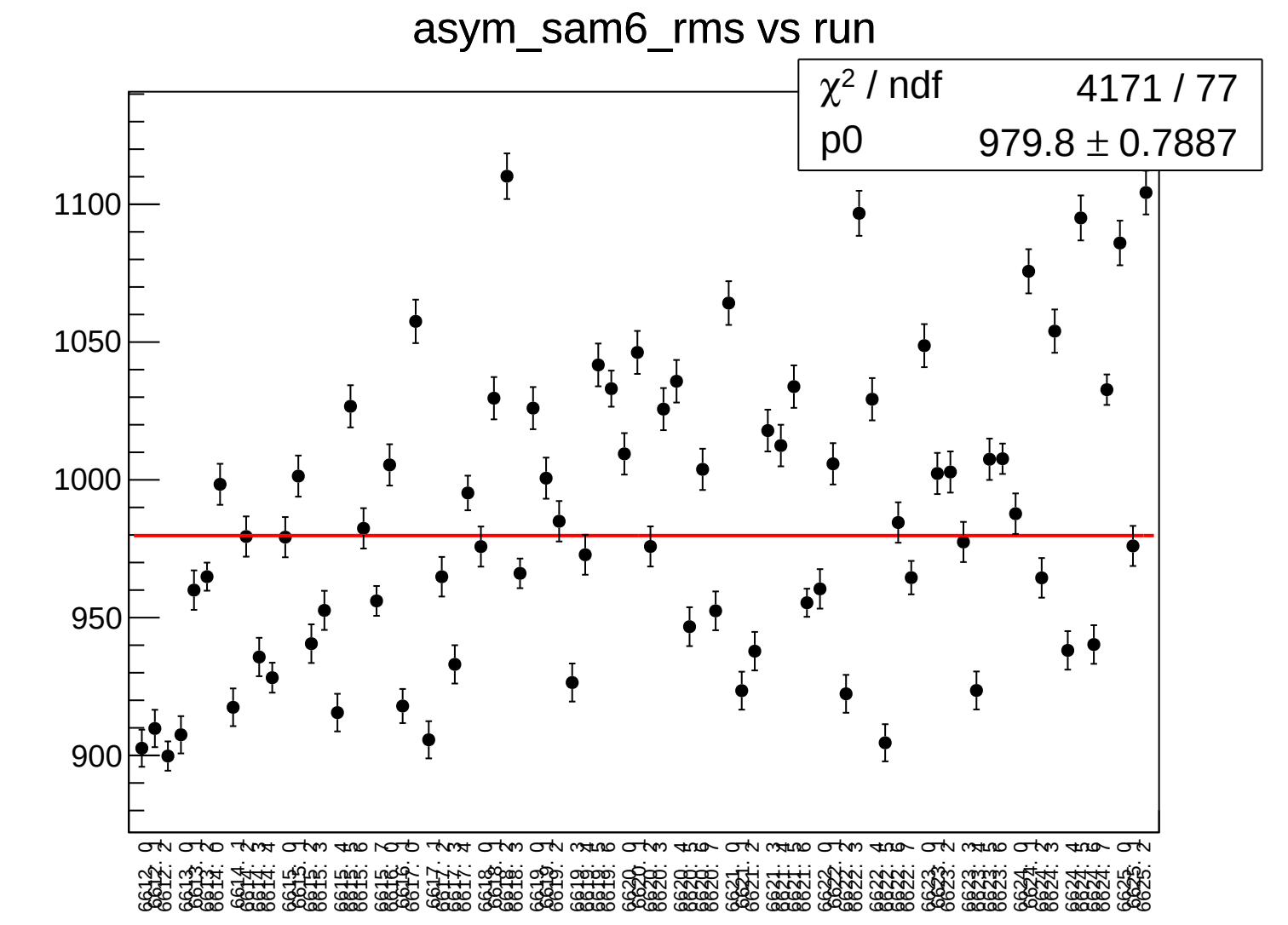

asym_sam6_correction_mean vs run
χ² / ndf 74.94 / 77
p0 −403.2 ± 1138
pull
Entries 78
Mean 182.2
Std Dev 126.3

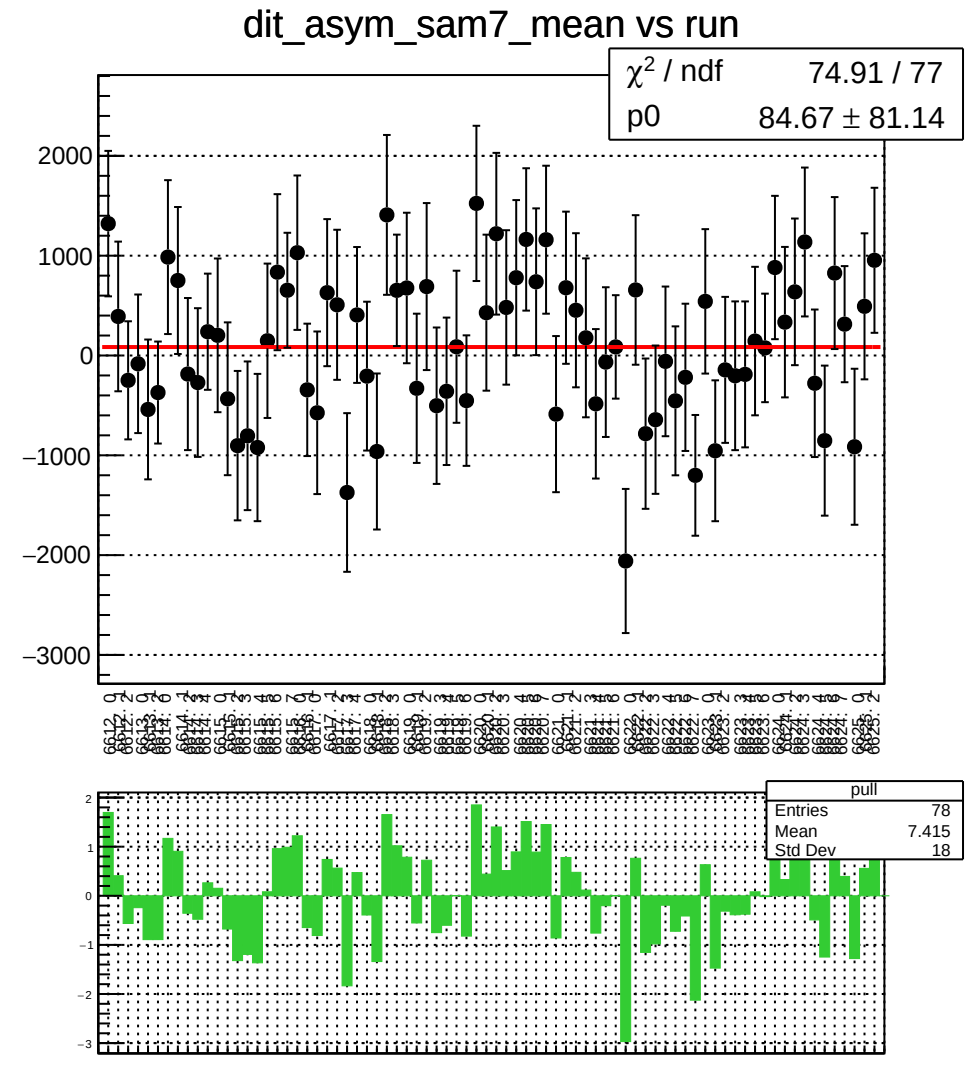

pull1D
Entries 78
Mean −0.005071
Std Dev 0.9802

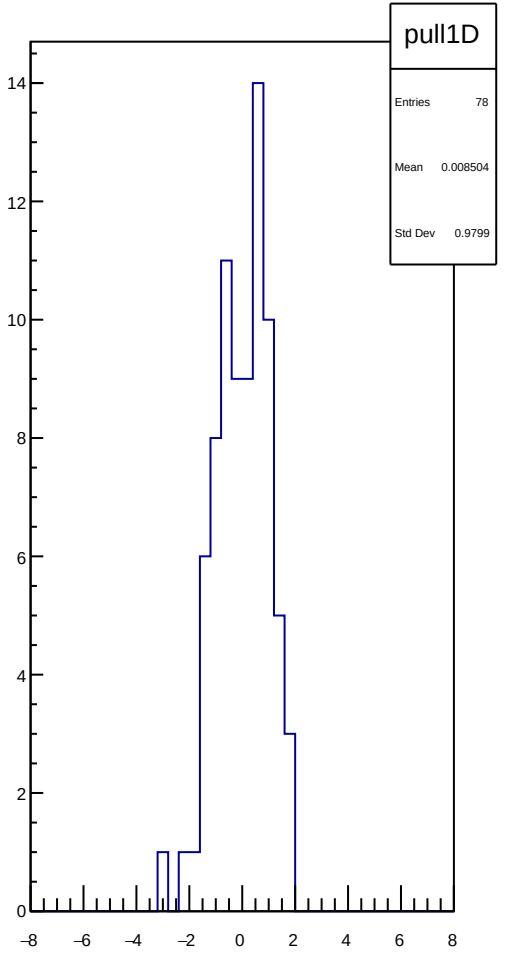

asym_sam6_correction_rms vs run
χ² / ndf 4883 / 77
p0 999.5 ± 0.8047
1200
1150
1100
1050
1000
950
900

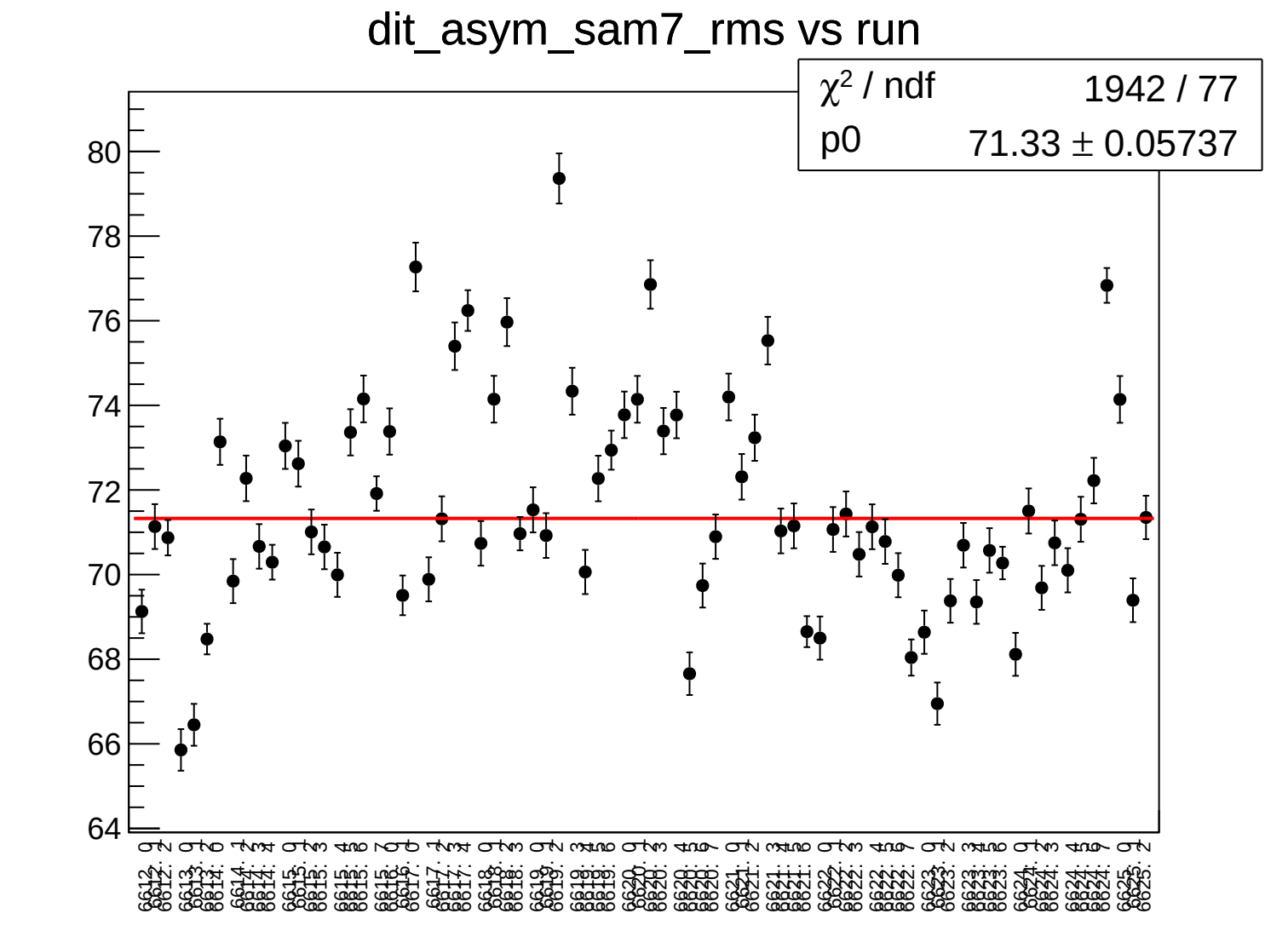

asym_sam6_mean vs run
χ² / ndf 75.65 / 77
p0 576.6 ± 1115
pull
Entries 78
Mean 152.5
Std Dev 97.15

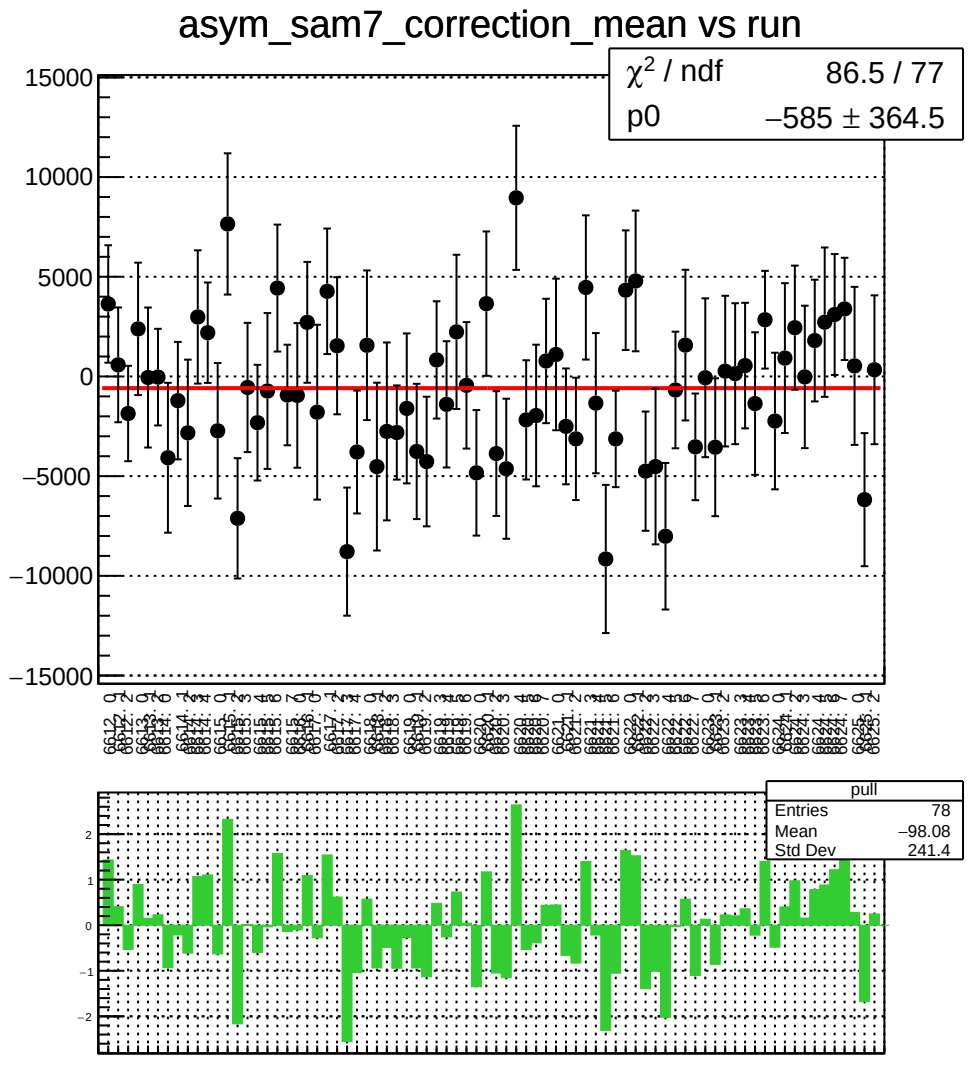

pull1D
Entries 78
Mean 0.005989
Std Dev 0.9848

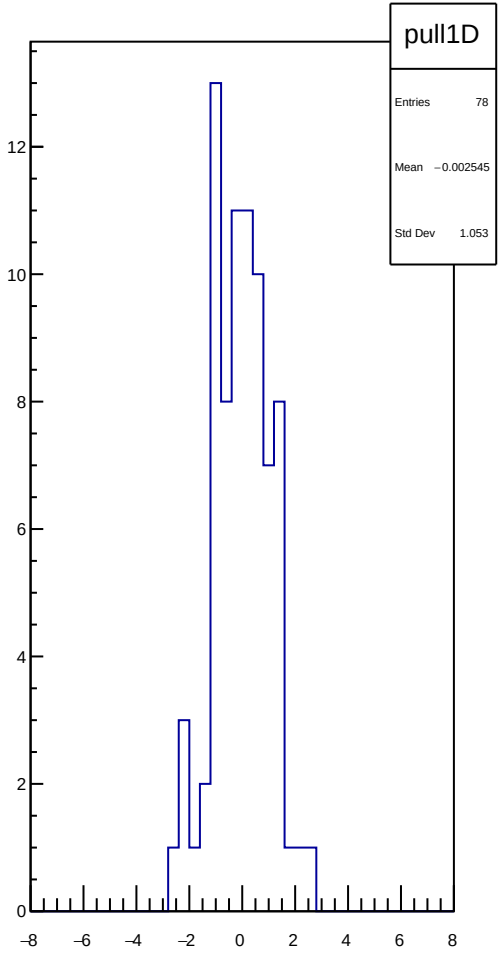

asym_sam6_rms vs run
χ² / ndf 4171 / 77
p0 979.8 ± 0.7887
1100
1050
1000
950
900

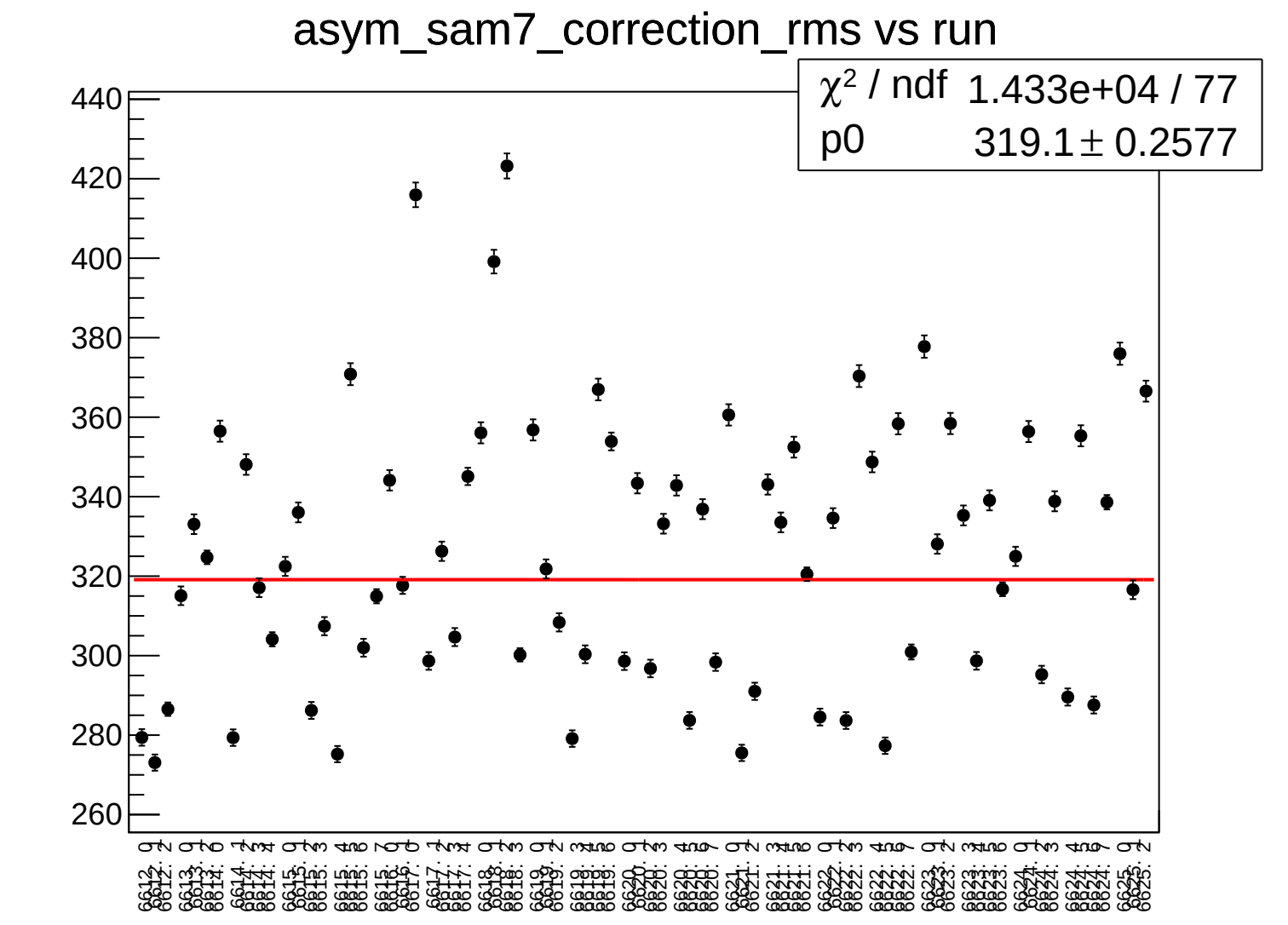

dit_asym_sam7_mean vs run
χ² / ndf 74.91 / 77
p0 84.67 ± 81.14
2000
1000
0
−1000
−2000
−3000
pull
Entries 78
Mean 7.415
Std Dev 18
2
1
0
−1
−2
−3

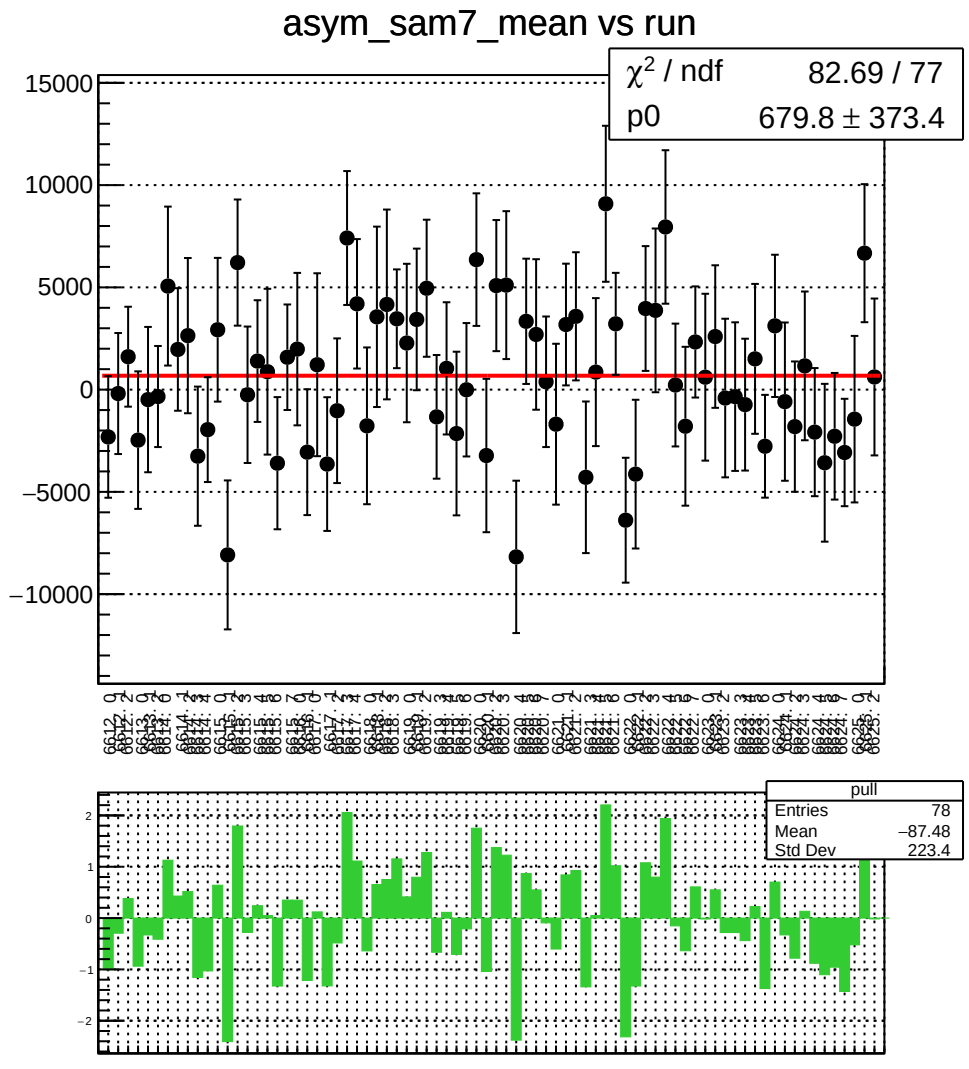

pull1D
Entries 78
Mean 0.008504
Std Dev 0.9799
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

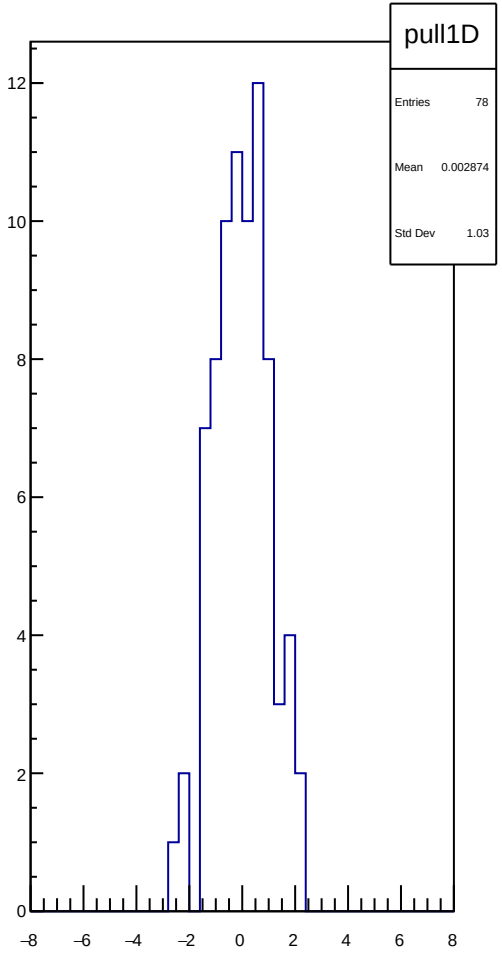

dit_asym_sam7_rms vs run
χ² / ndf 1942 / 77
p0 71.33 ± 0.05737
80
78
76
74
72
70
68
66
64

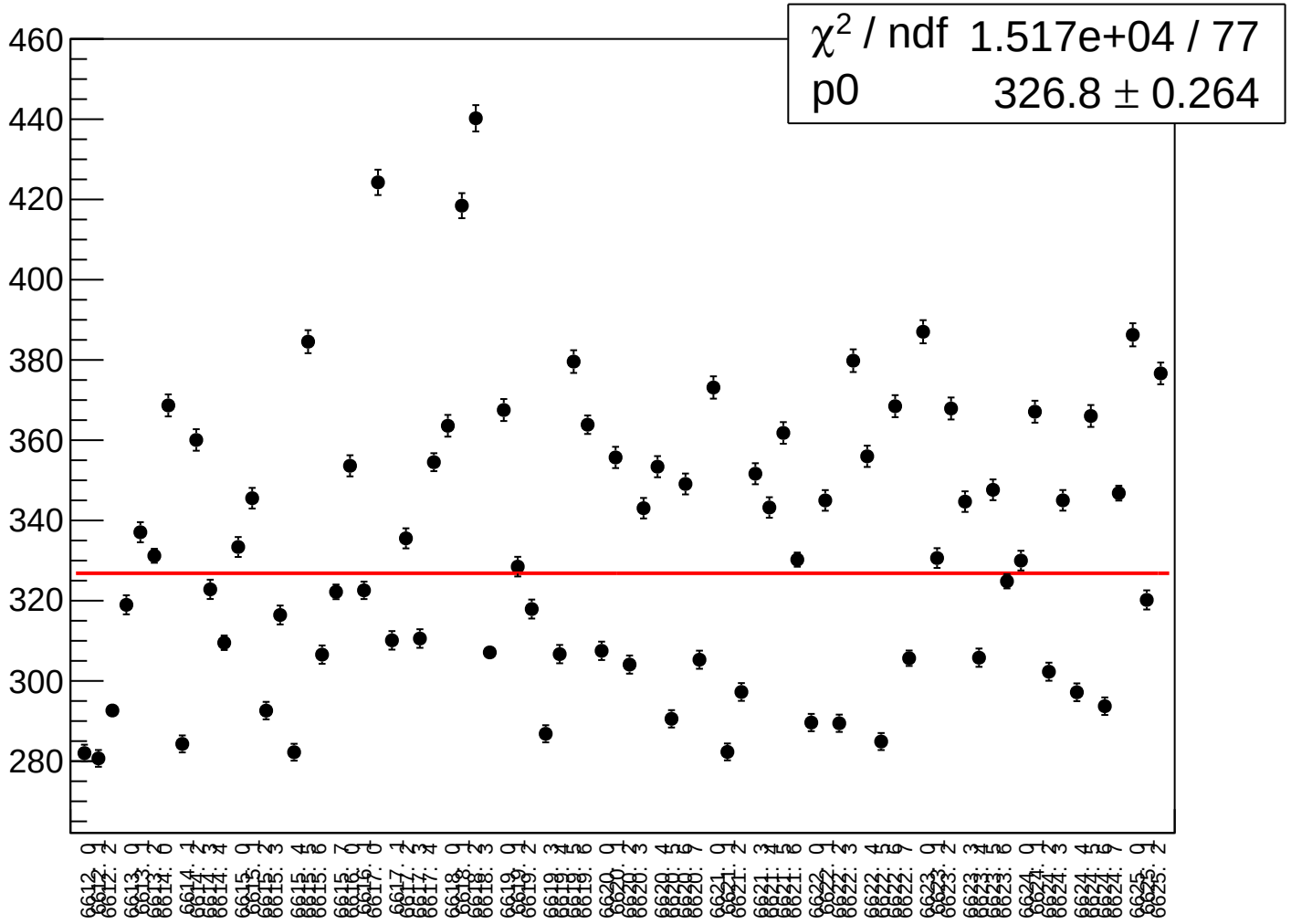

asym_sam7_correction_mean vs run
χ² / ndf 86.5 / 77
p0 −585 ± 364.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 78
Mean −98.08
Std Dev 241.4
2
1
0
−1
−2

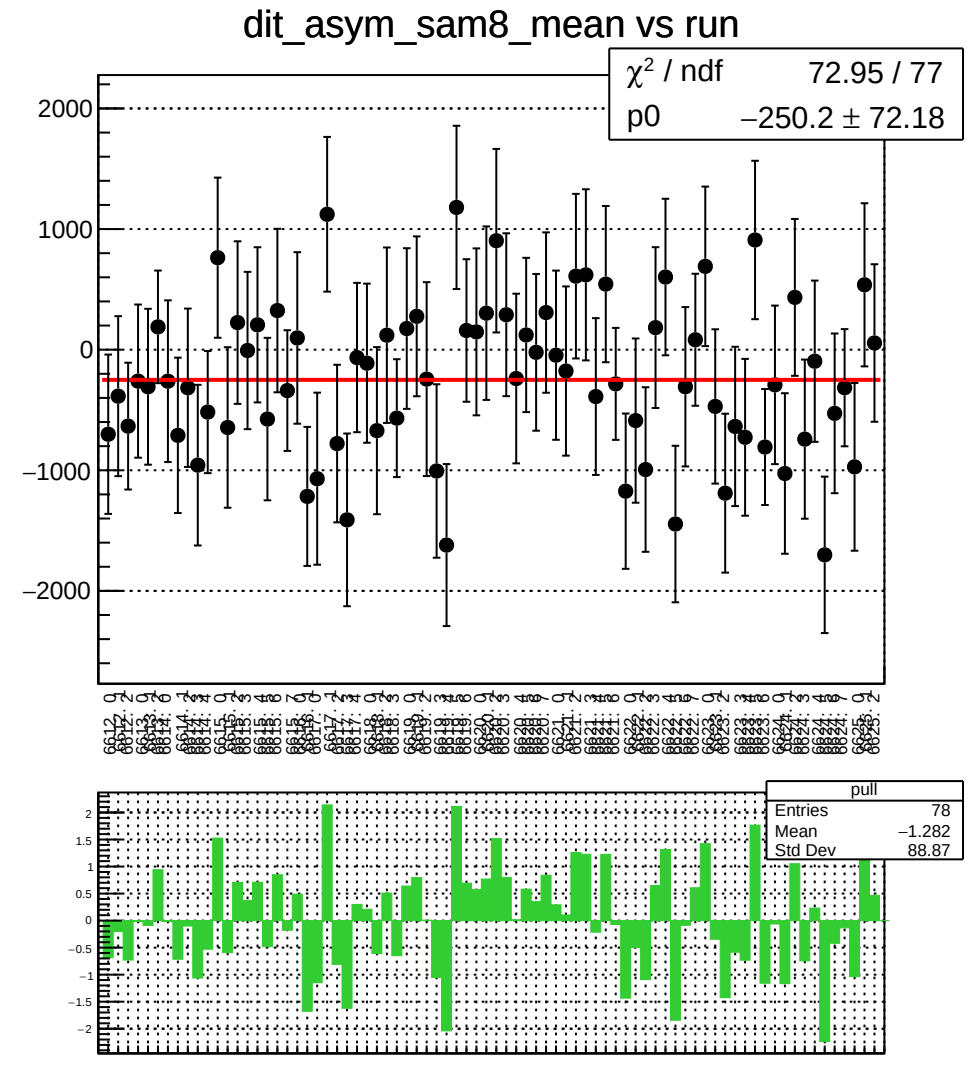

pull1D
Entries 78
Mean −0.002545
Std Dev 1.053
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

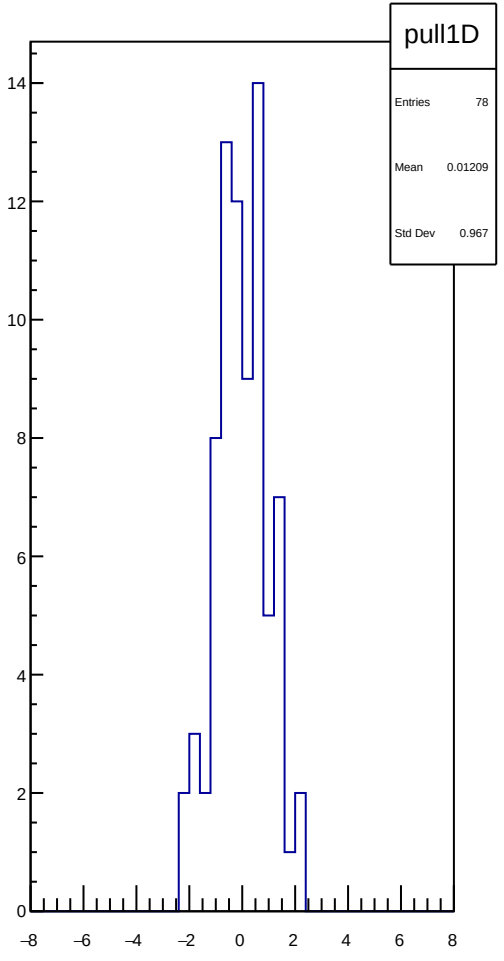

asym_sam7_correction_rms vs run
χ² / ndf 1.433e+04 / 77
p0 319.1 ± 0.2577
440
420
400
380
360
340
320
300
280
260

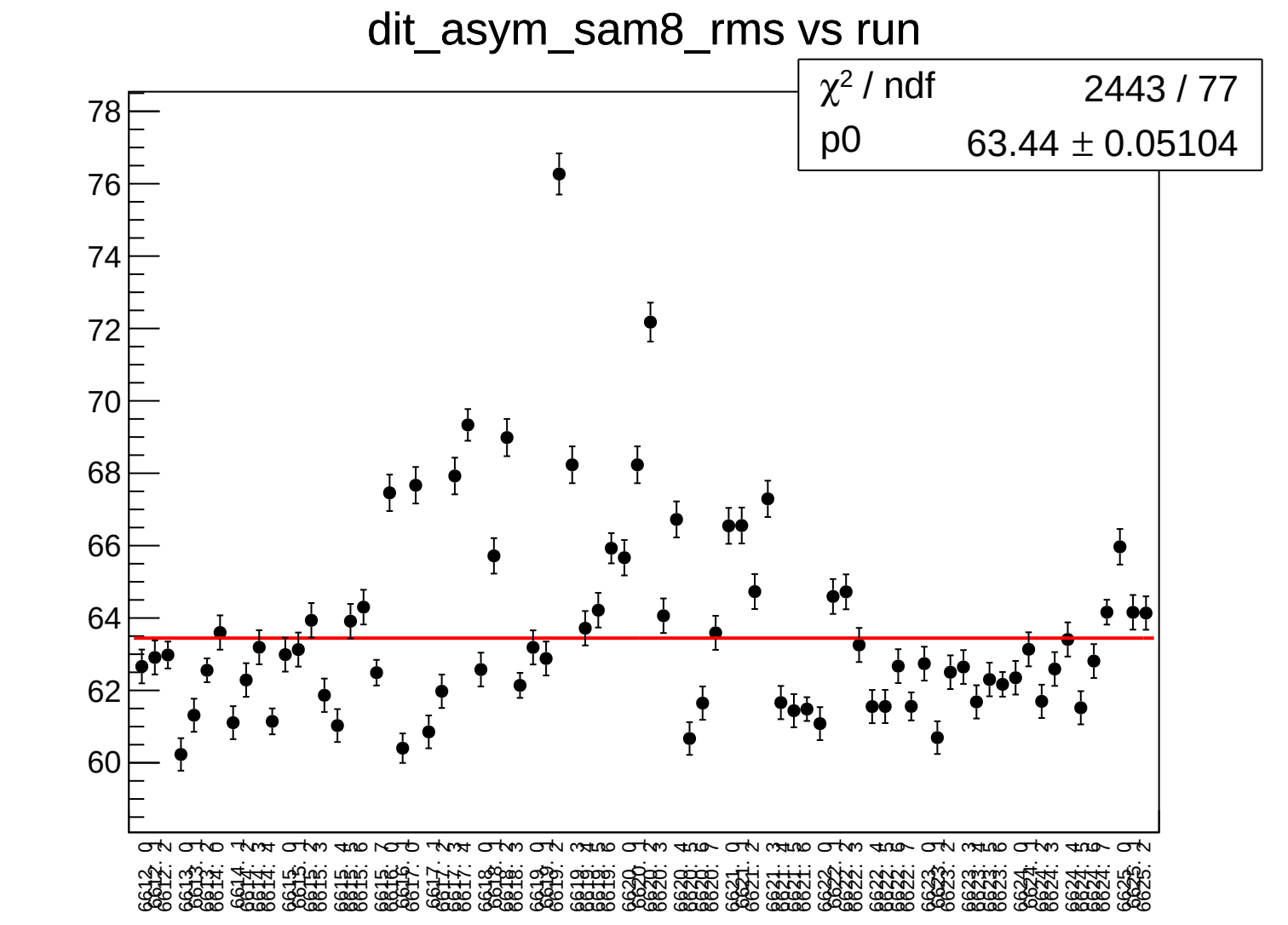

asym_sam7_mean vs run
χ² / ndf 82.69 / 77
p0 679.8 ± 373.4
15000
10000
5000
0
−5000
−10000
pull
Entries 78
Mean −87.48
Std Dev 223.4
2
1
0
−1
−2

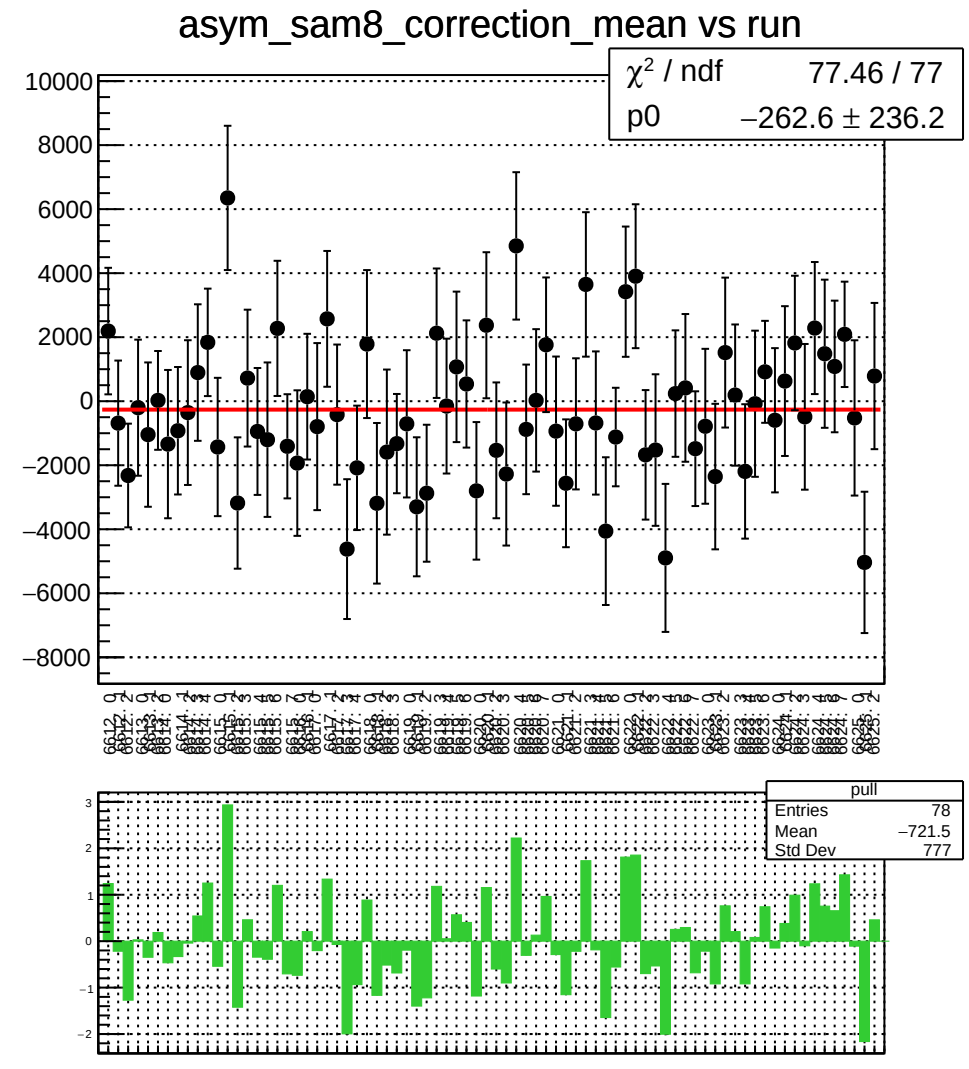

pull1D
Entries 78
Mean 0.002874
Std Dev 1.03
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

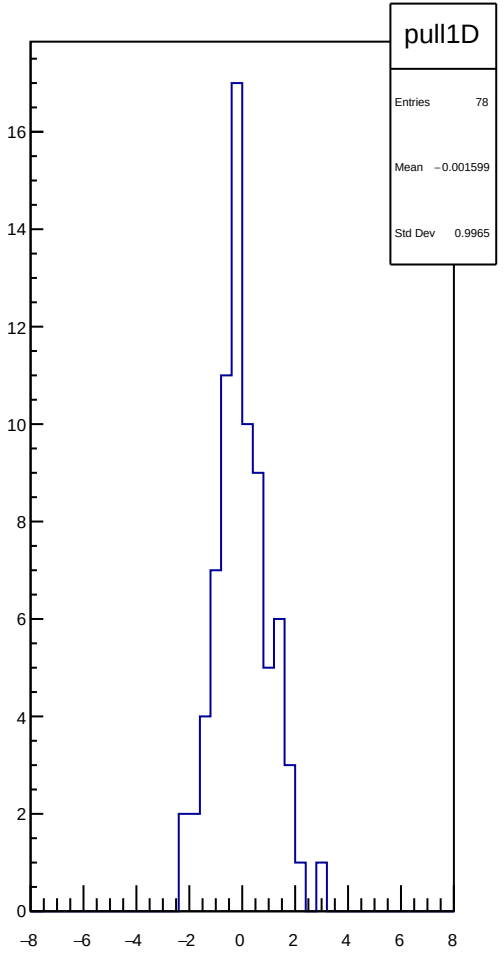

asym_sam7_rms vs run
χ² / ndf 1.517e+04 / 77
p0 326.8 ± 0.264
460
440
420
400
380
360
340
320
300
280

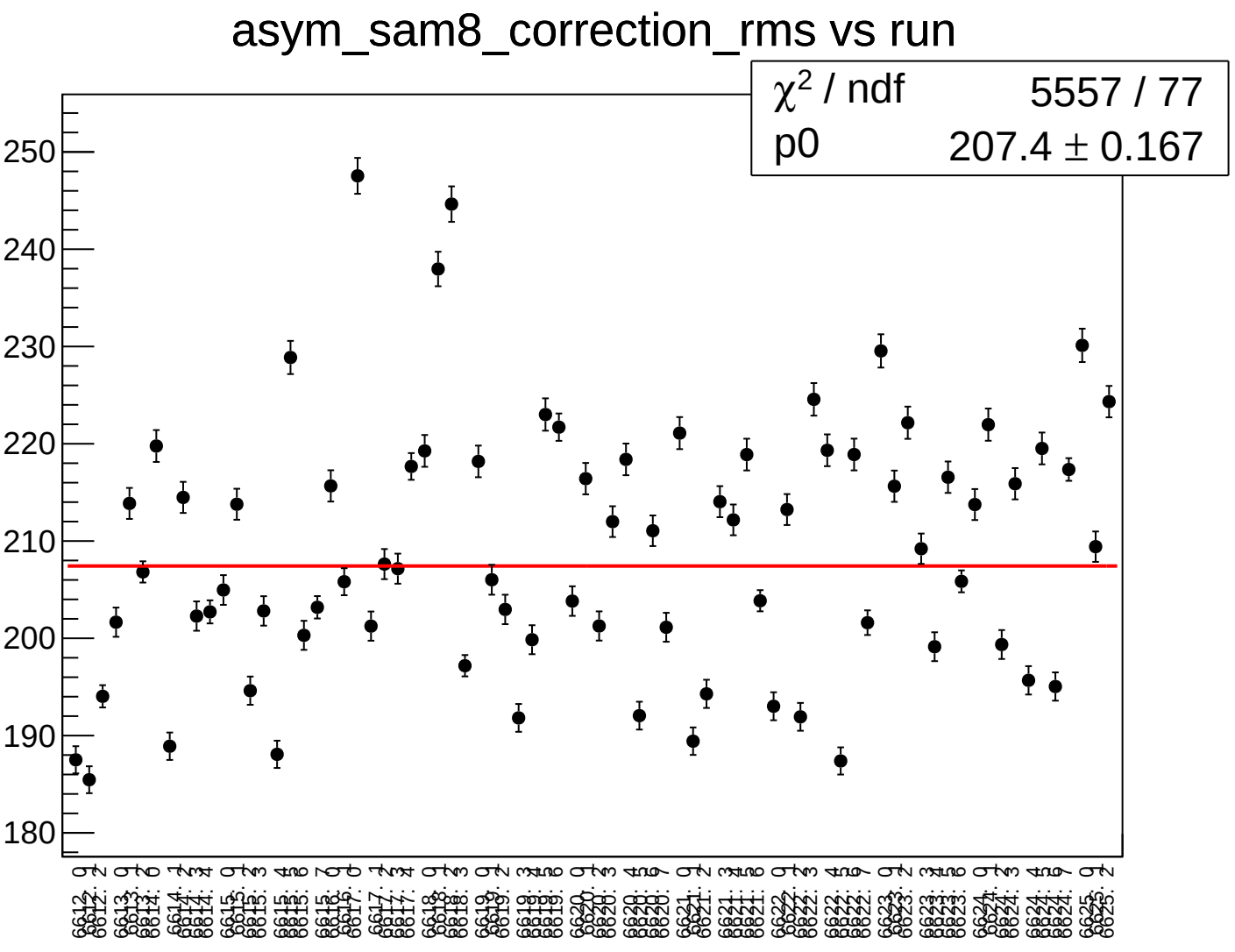

dit_asym_sam8_mean vs run
χ² / ndf 72.95 / 77
p0 −250.2 ± 72.18
2000
1000
0
−1000
−2000
pull
Entries 78
Mean −1.282
Std Dev 88.87
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

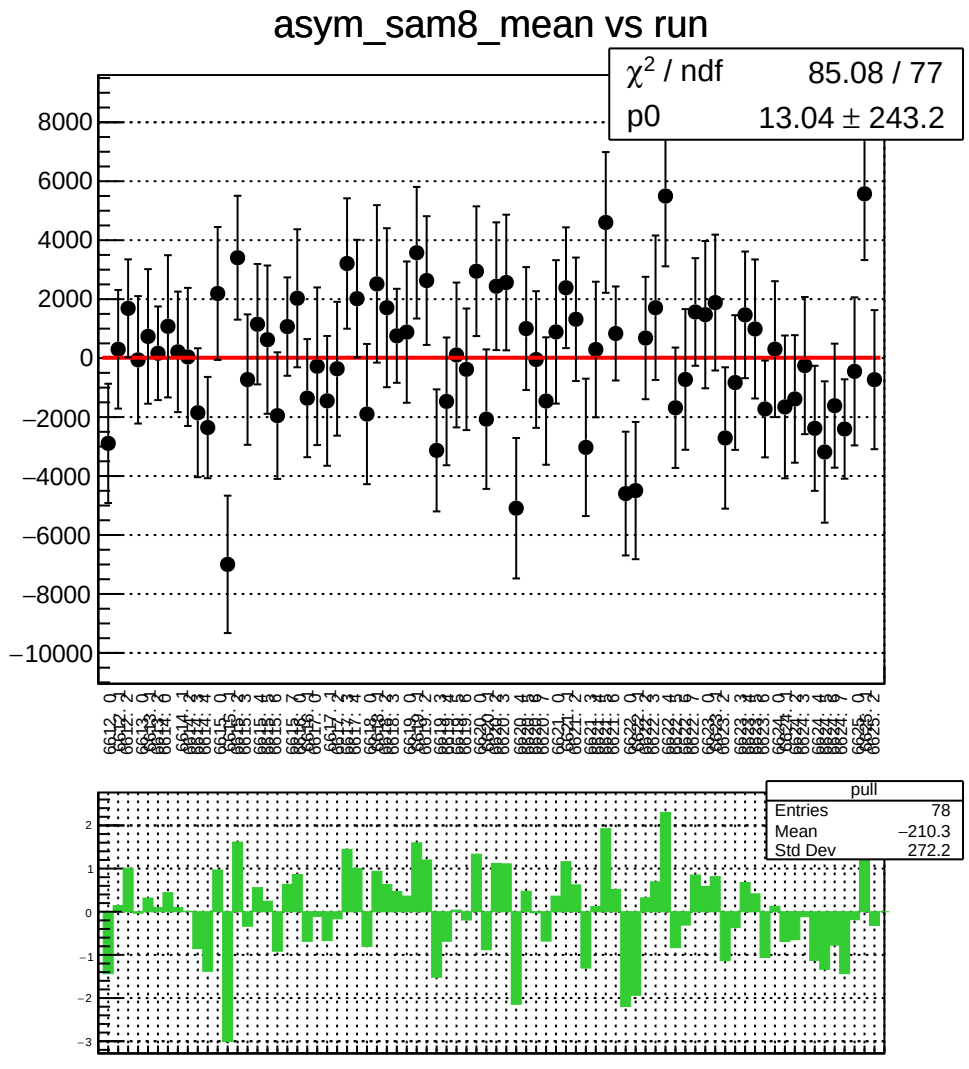

pull1D
Entries 78
Mean 0.01209
Std Dev 0.967
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

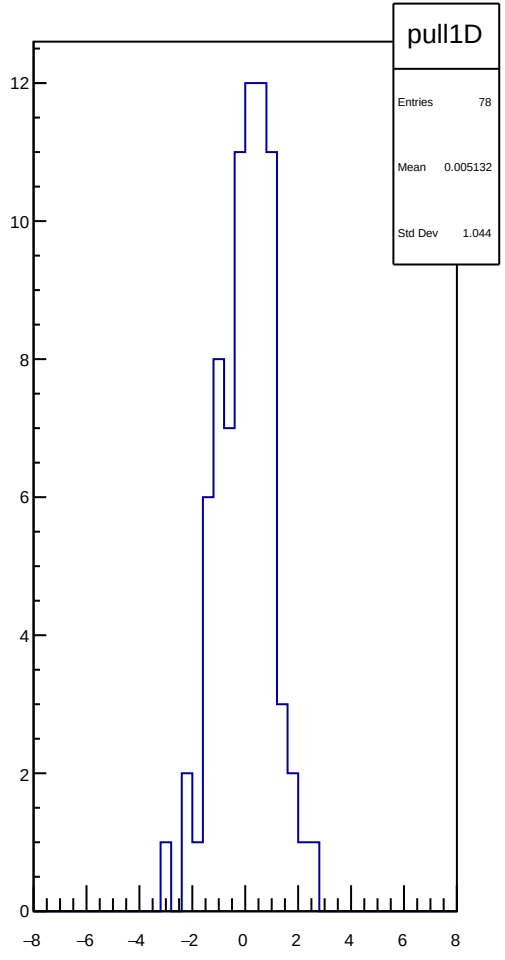

dit_asym_sam8_rms vs run
χ² / ndf 2443 / 77
p0 63.44 ± 0.05104
78
76
74
72
70
68
66
64
62
60

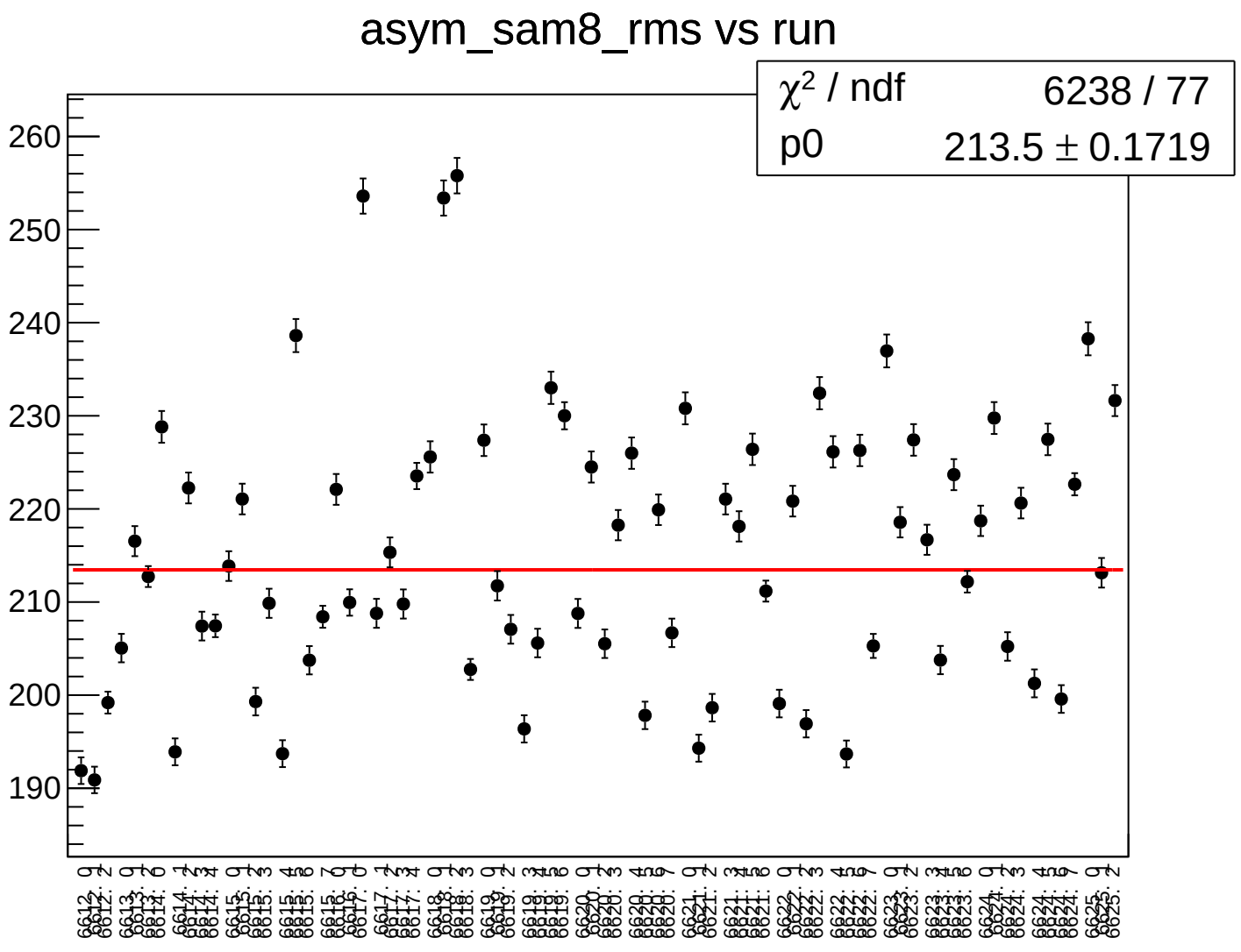

asym_sam8_correction_mean vs run
χ² / ndf 77.46 / 77
p0 −262.6 ± 236.2
pull
Entries 78
Mean −721.5
Std Dev 777

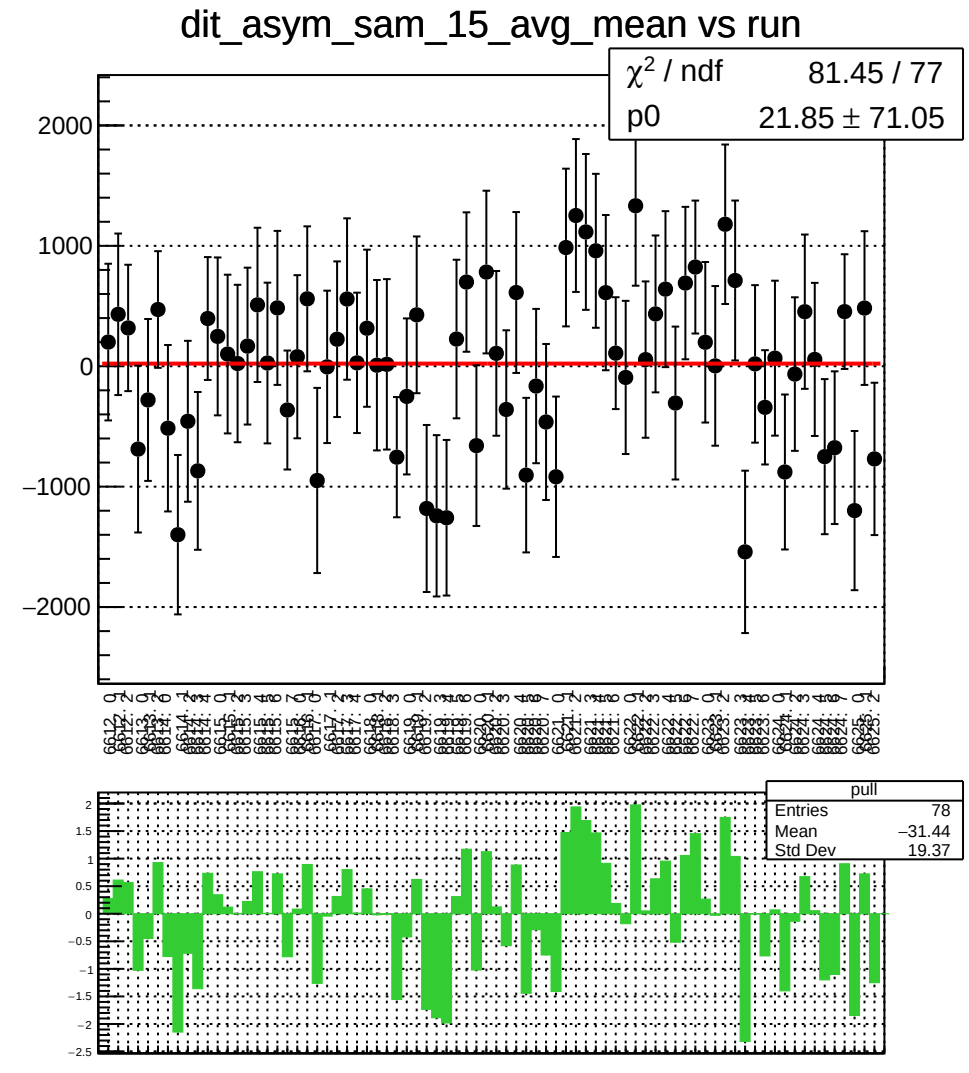

pull1D
Entries 78
Mean −0.001599
Std Dev 0.9965

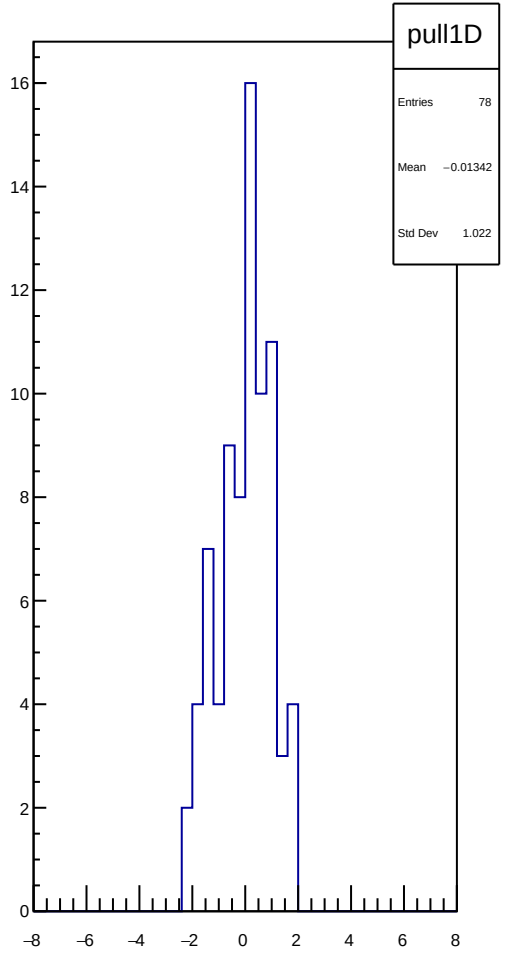

asym_sam8_correction_rms vs run
χ² / ndf 5557 / 77
p0 207.4 ± 0.167
250
240
230
220
210
200
190
180

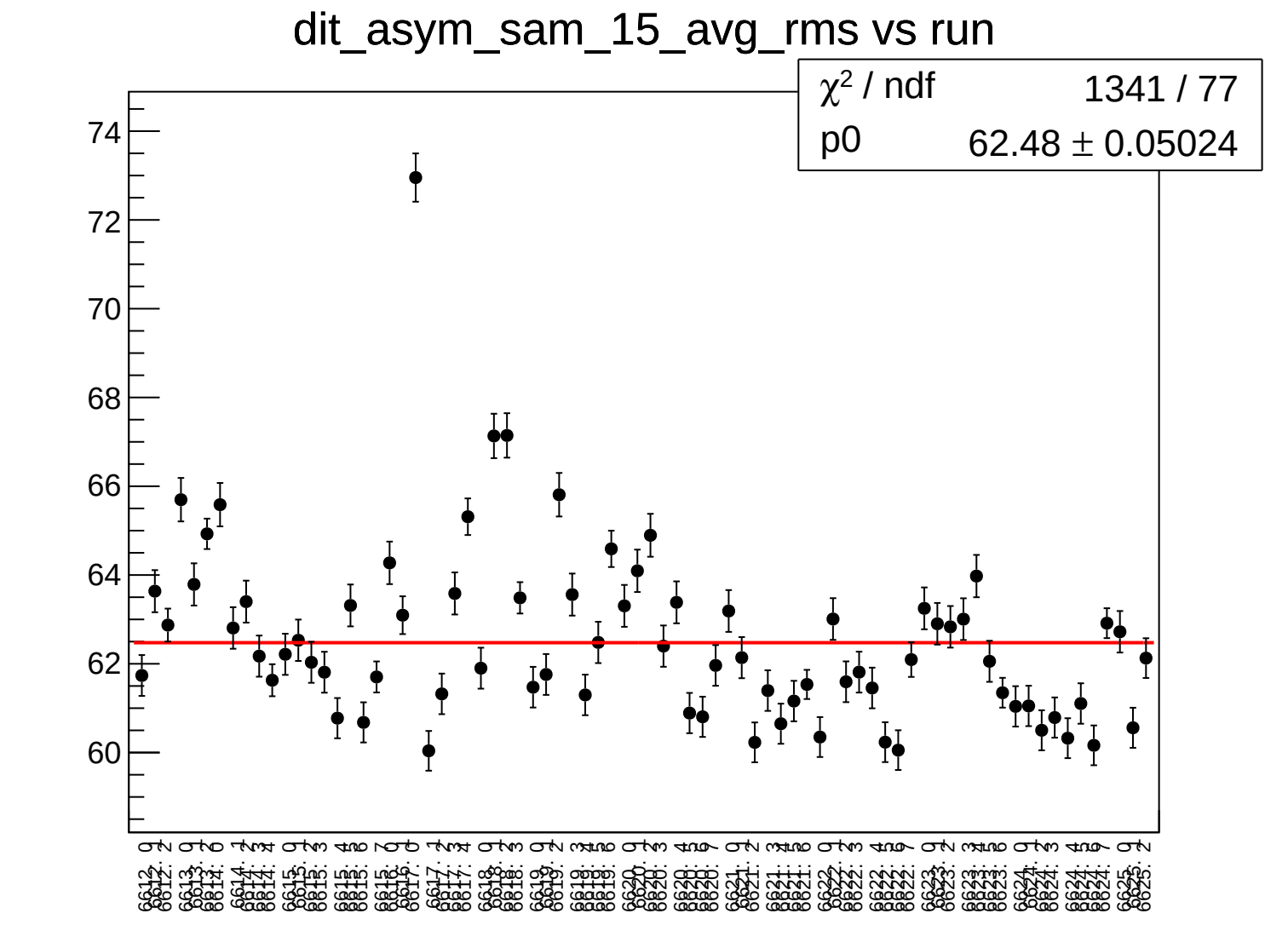

asym_sam8_mean vs run
χ² / ndf 85.08 / 77
p0 13.04 ± 243.2
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
pull
Entries 78
Mean −210.3
Std Dev 272.2
2
1
0
−1
−2
−3

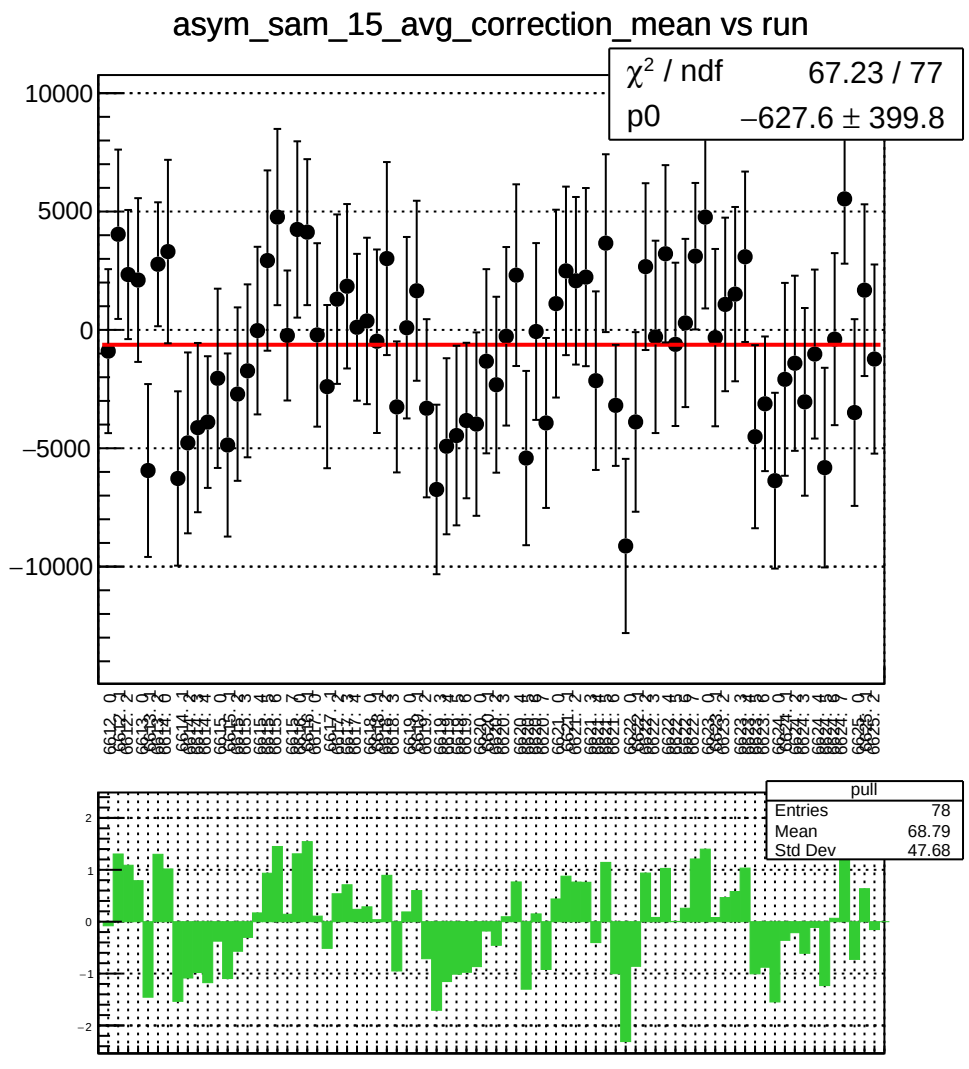

pull1D
Entries 78
Mean 0.005132
Std Dev 1.044
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

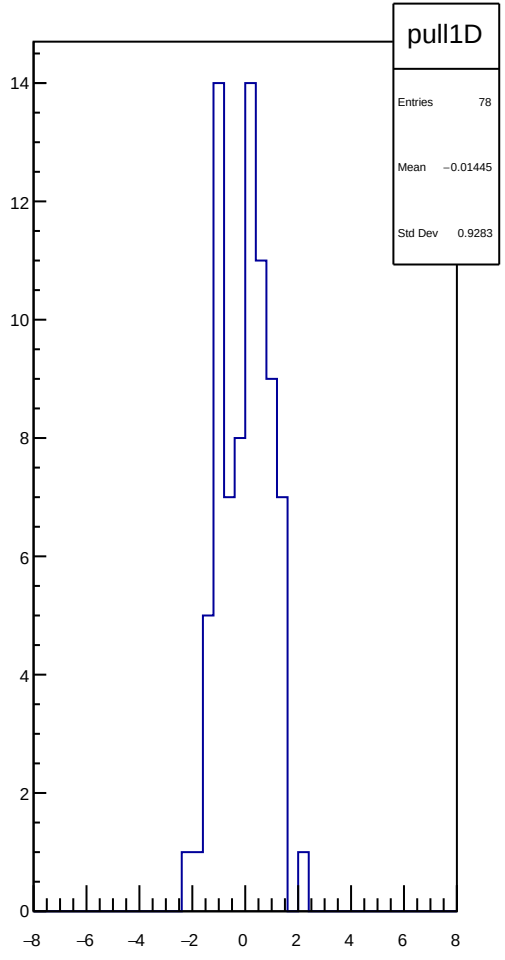

asym_sam8_rms vs run
χ² / ndf 6238 / 77
p0 213.5 ± 0.1719
260
250
240
230
220
210
200
190

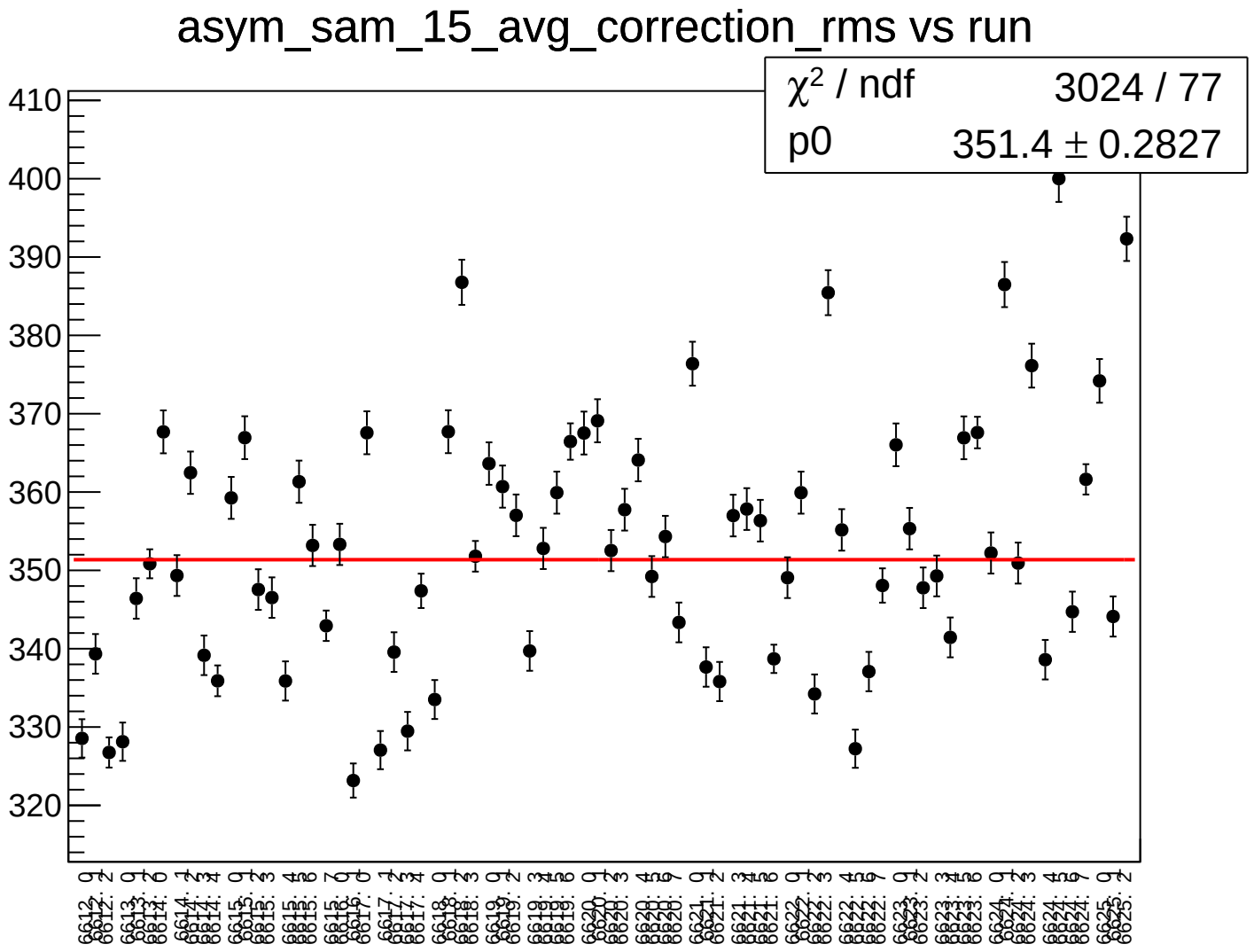

dit_asym_sam_15_avg_mean vs run
χ² / ndf 81.45 / 77
p0 21.85 ± 71.05
2000
1000
0
−1000
−2000
pull
Entries 78
Mean −31.44
Std Dev 19.37
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

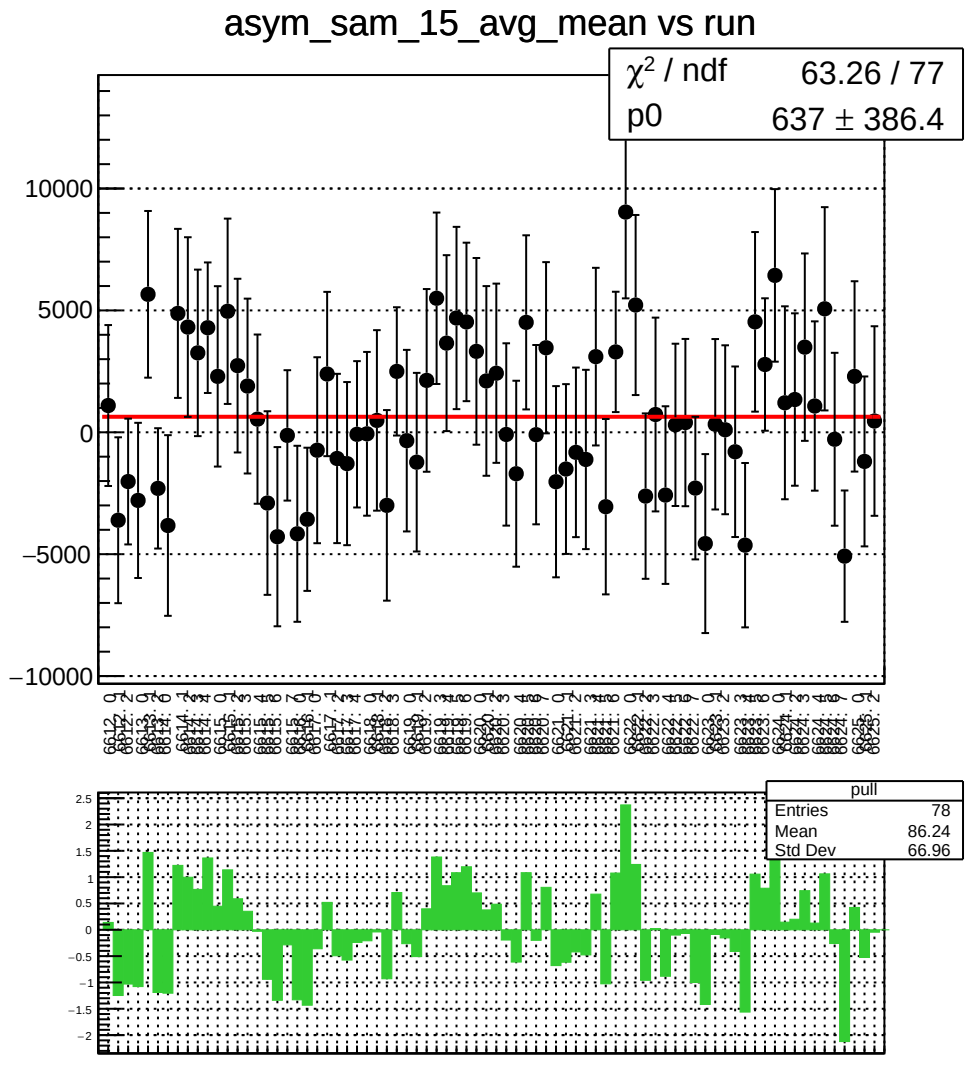

pull1D
Entries 78
Mean −0.01342
Std Dev 1.022
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

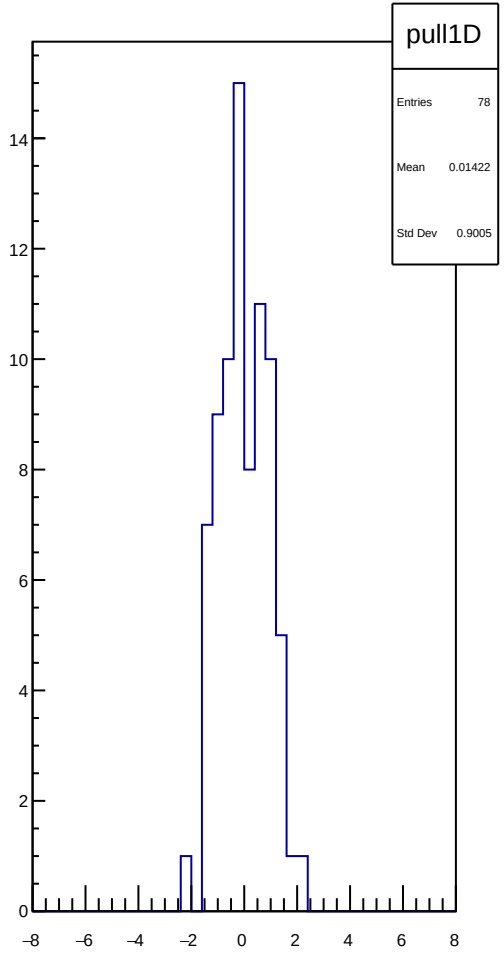

dit_asym_sam_15_avg_rms vs run
χ² / ndf 1341 / 77
p0 62.48 ± 0.05024
74
72
70
68
66
64
62
60

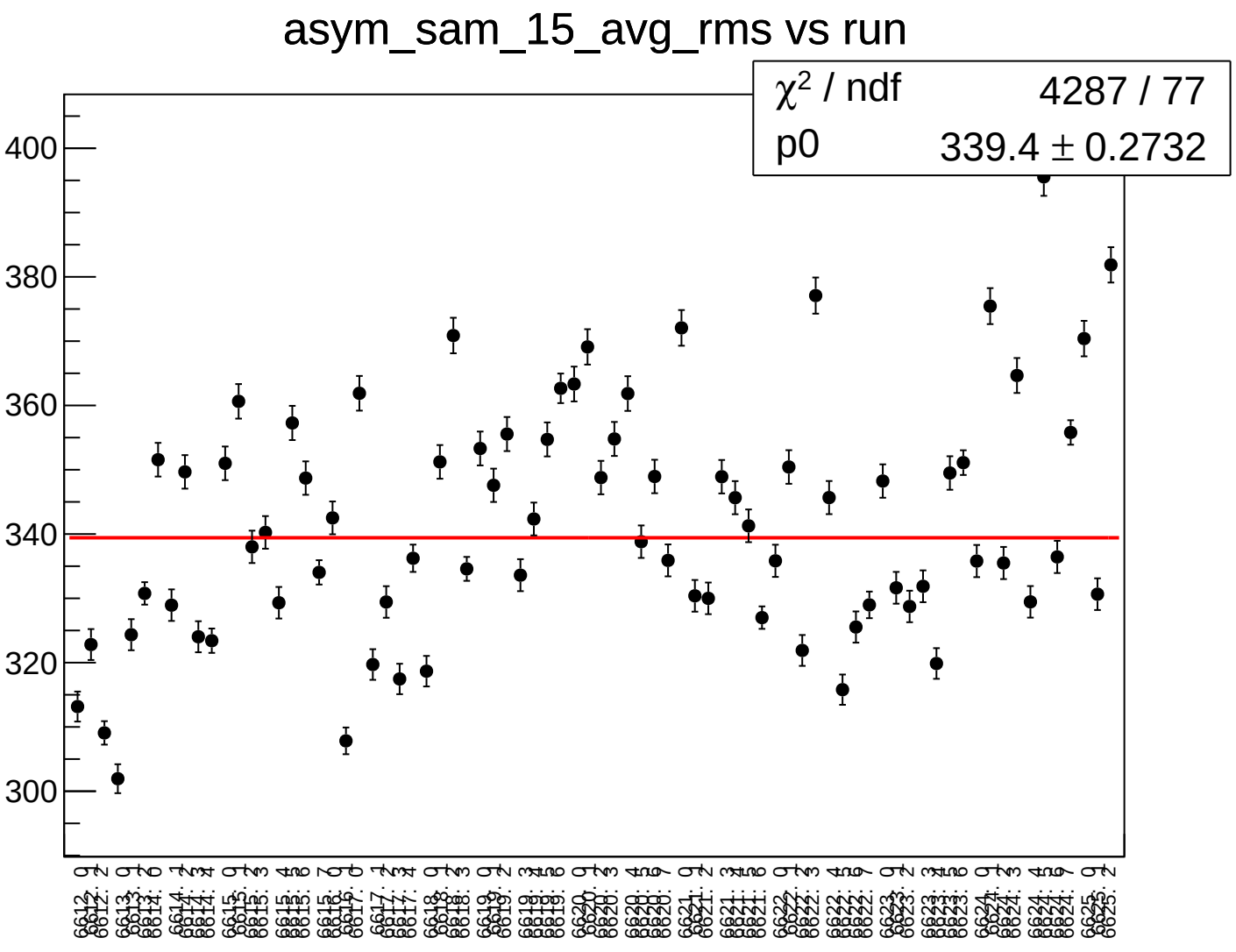

asym_sam_15_avg_correction_mean vs run
χ² / ndf 67.23 / 77
p0 −627.6 ± 399.8
10000
5000
0
−5000
−10000
pull
Entries 78
Mean 68.79
Std Dev 47.68
2
1
0
−1
−2

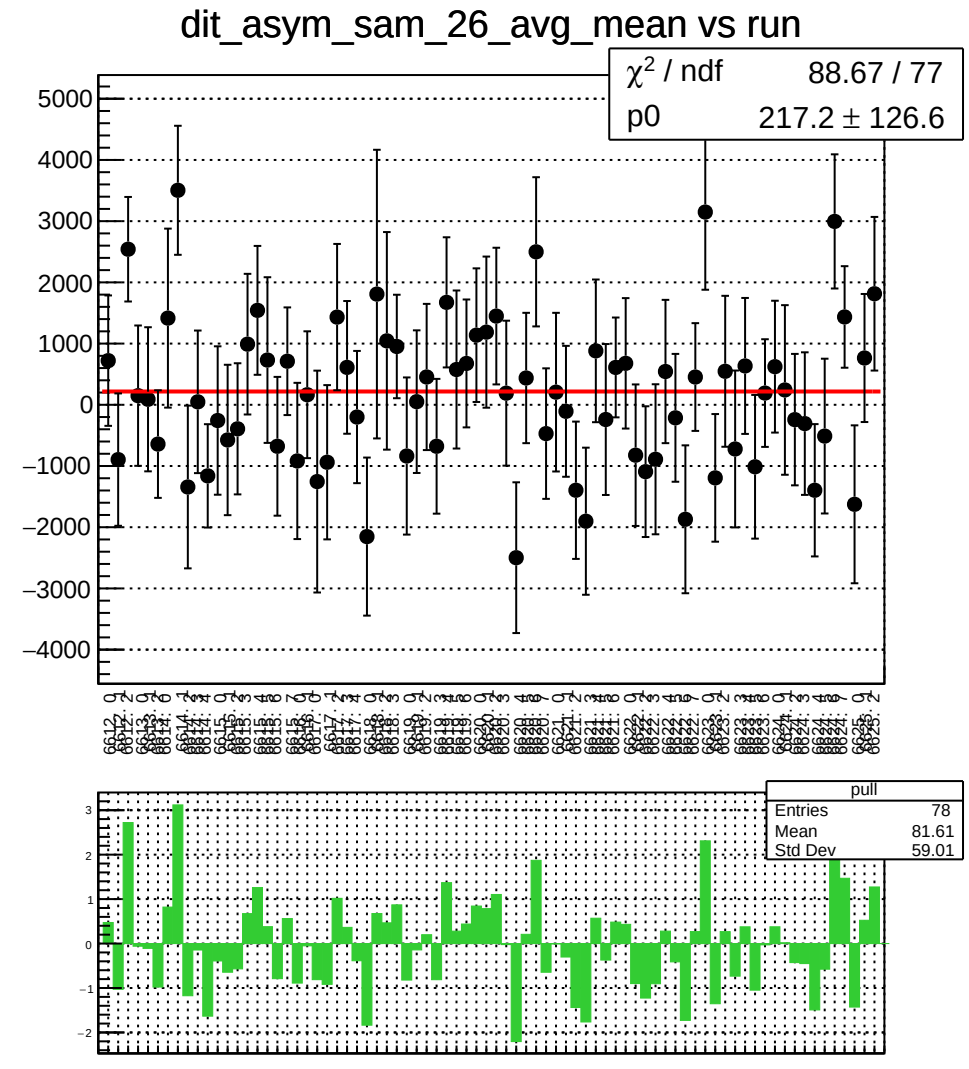

pull1D
Entries 78
Mean −0.01445
Std Dev 0.9283
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

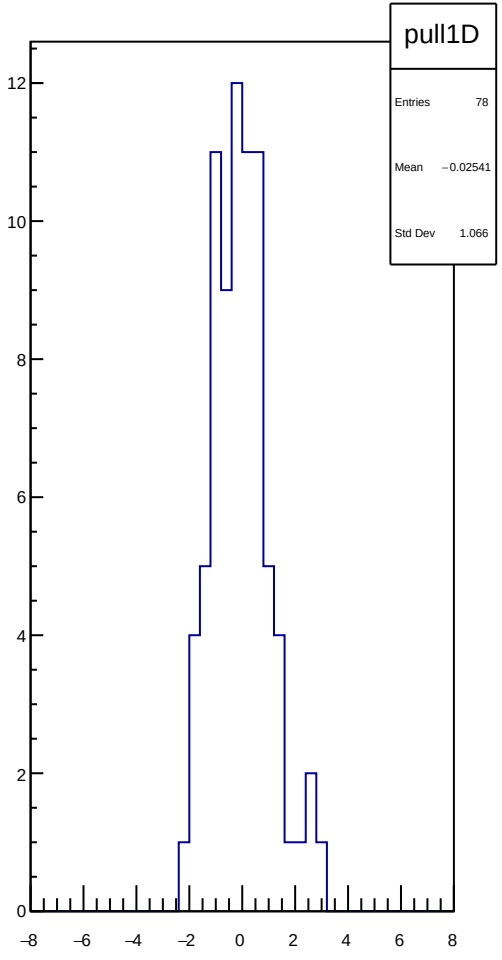

asym_sam_15_avg_correction_rms vs run
χ² / ndf 3024 / 77
p0 351.4 ± 0.2827
410
400
390
380
370
360
350
340
330
320

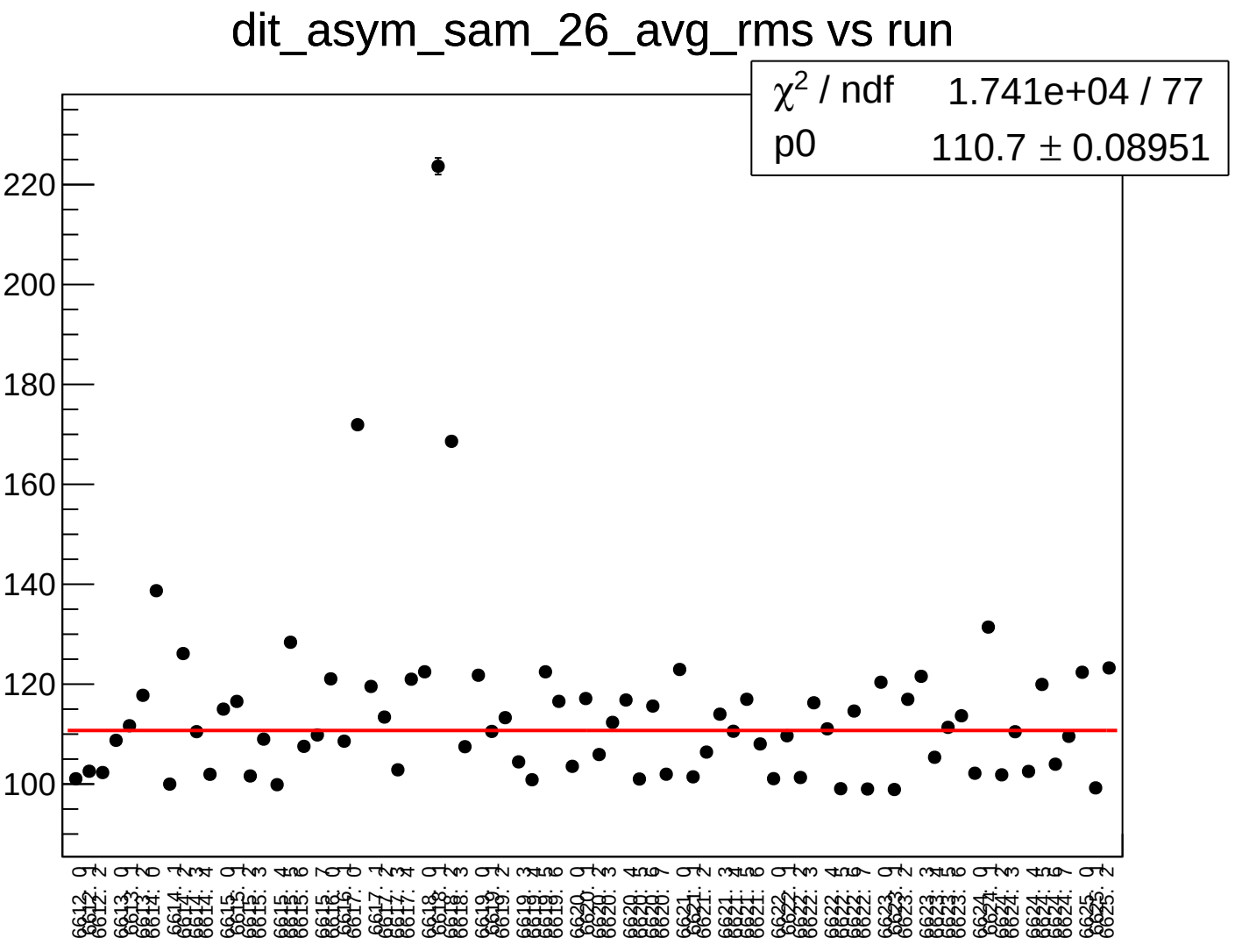

asym_sam_15_avg_mean vs run
χ² / ndf 63.26 / 77
p0 637 ± 386.4
10000
5000
0
−5000
−10000
pull
Entries 78
Mean 86.24
Std Dev 66.96
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

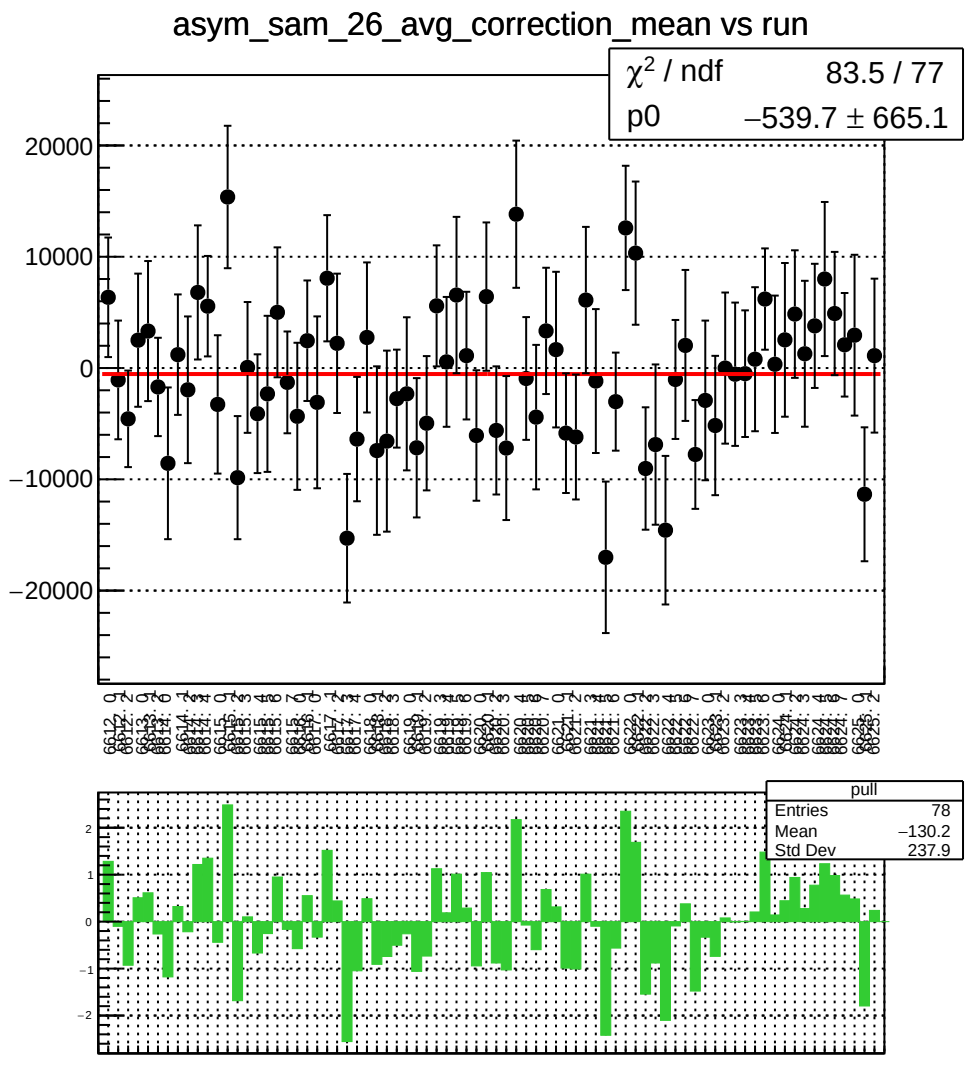

pull1D
Entries 78
Mean 0.01422
Std Dev 0.9005
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

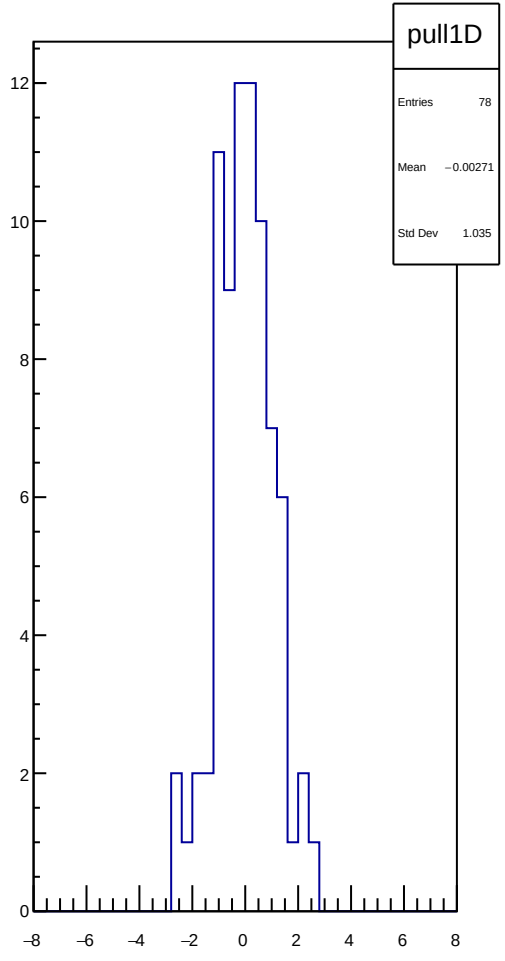

asym_sam_15_avg_rms vs run
χ² / ndf 4287 / 77
p0 339.4 ± 0.2732
400
380
360
340
320
300

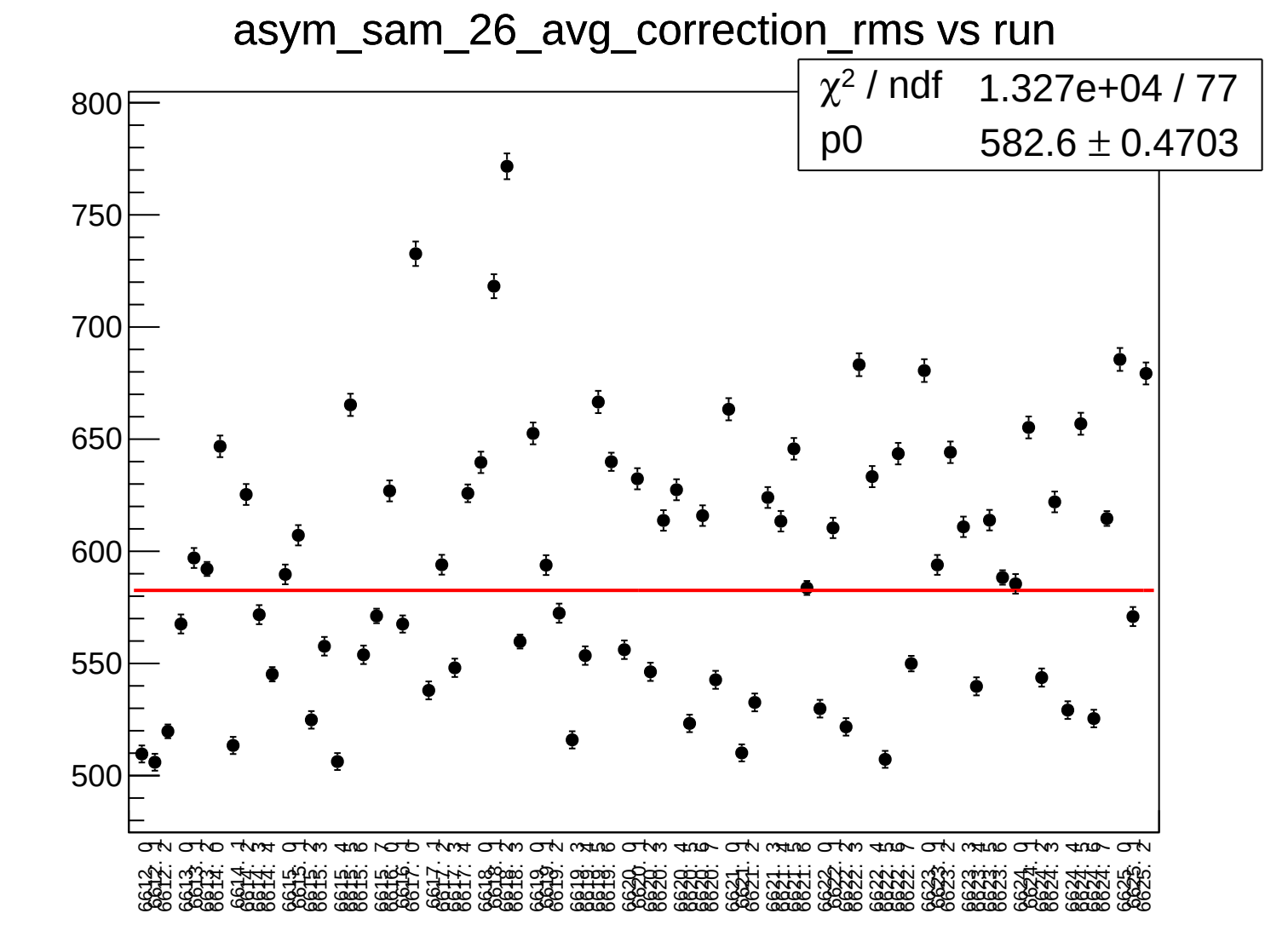

dit_asym_sam_26_avg_mean vs run
χ² / ndf 88.67 / 77
p0 217.2 ± 126.6
pull
Entries 78
Mean 81.61
Std Dev 59.01

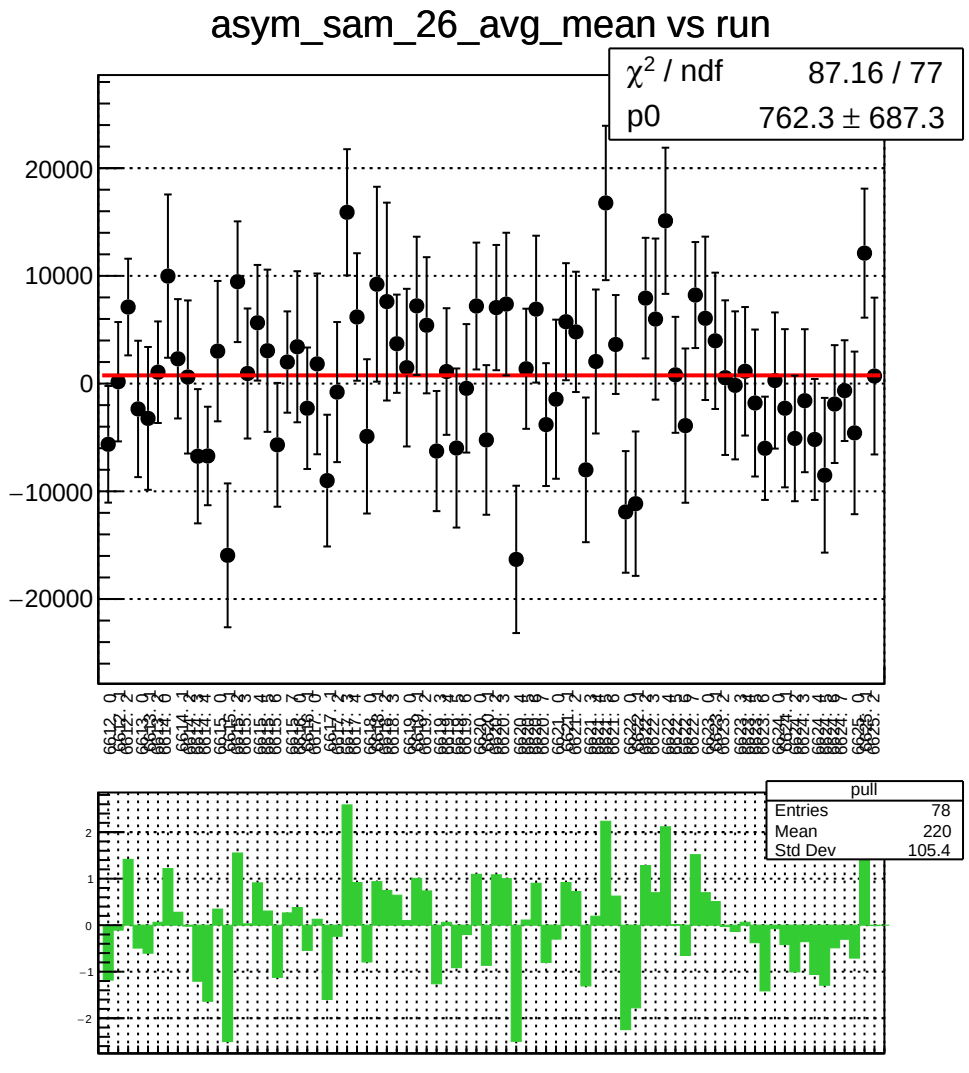

pull1D
Entries 78
Mean −0.02541
Std Dev 1.066

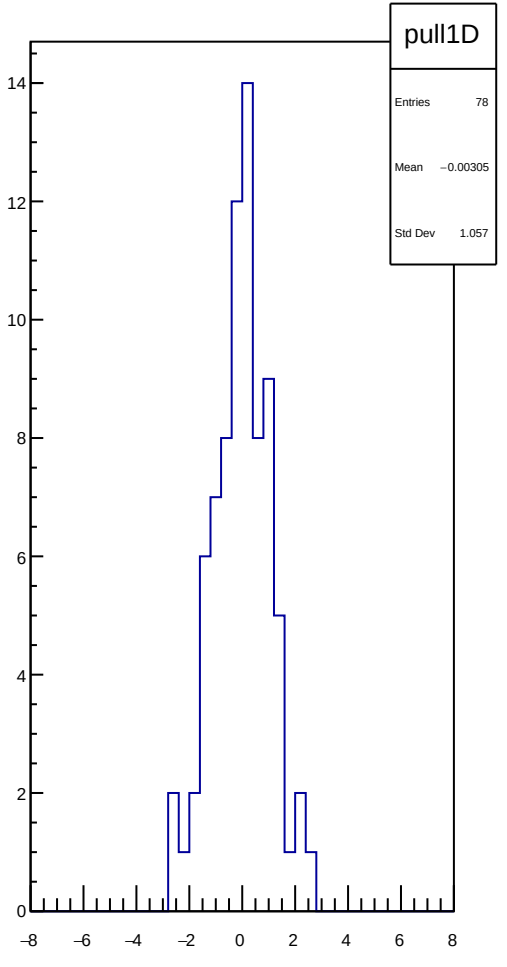

dit_asym_sam_26_avg_rms vs run
χ² / ndf 1.741e+04 / 77
p0 110.7 ± 0.08951
220
200
180
160
140
120
100

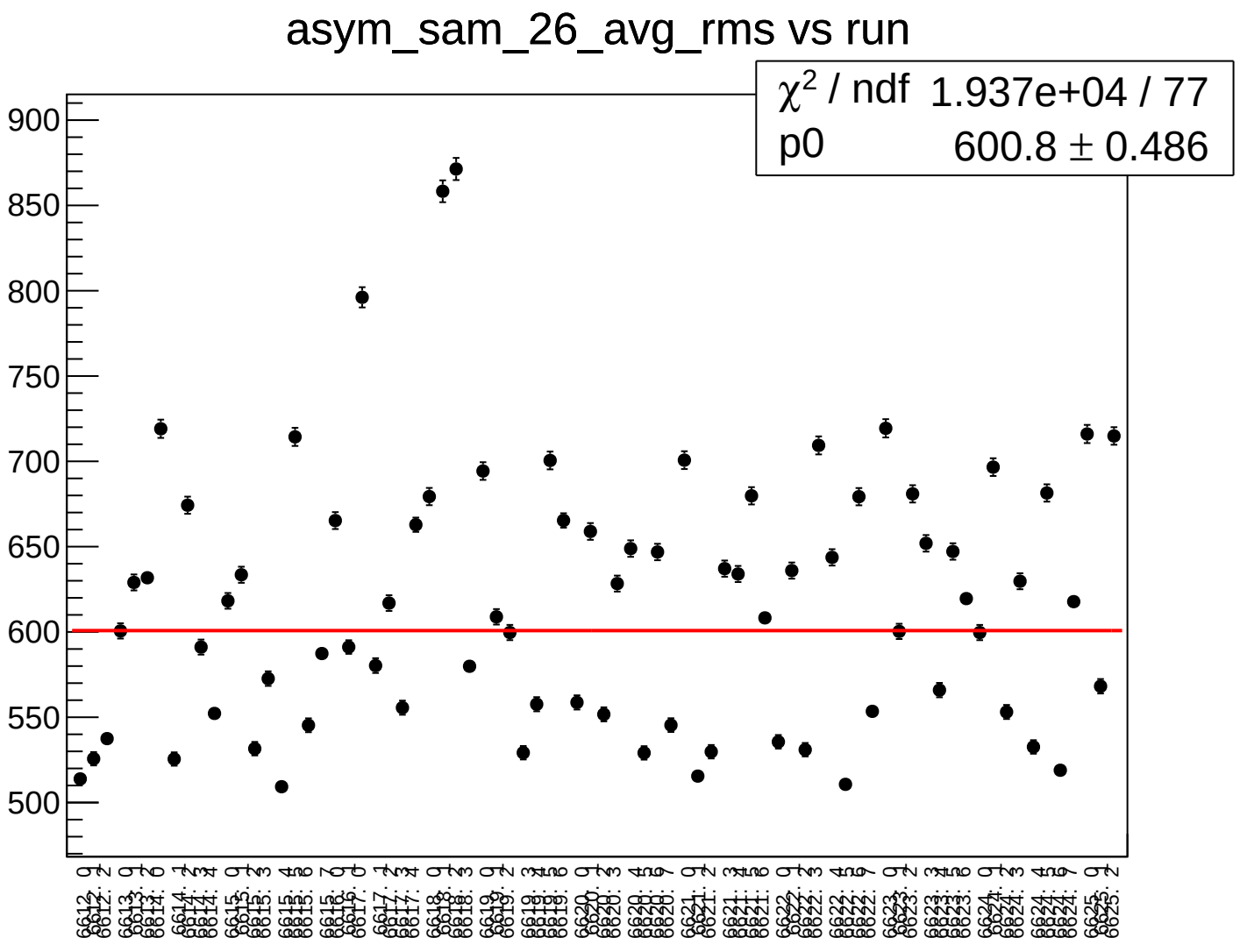

asym_sam_26_avg_correction_mean vs run
χ² / ndf 83.5 / 77
p0 −539.7 ± 665.1
20000
10000
0
−10000
−20000
pull
Entries 78
Mean −130.2
Std Dev 237.9
2
1
0
−1
−2

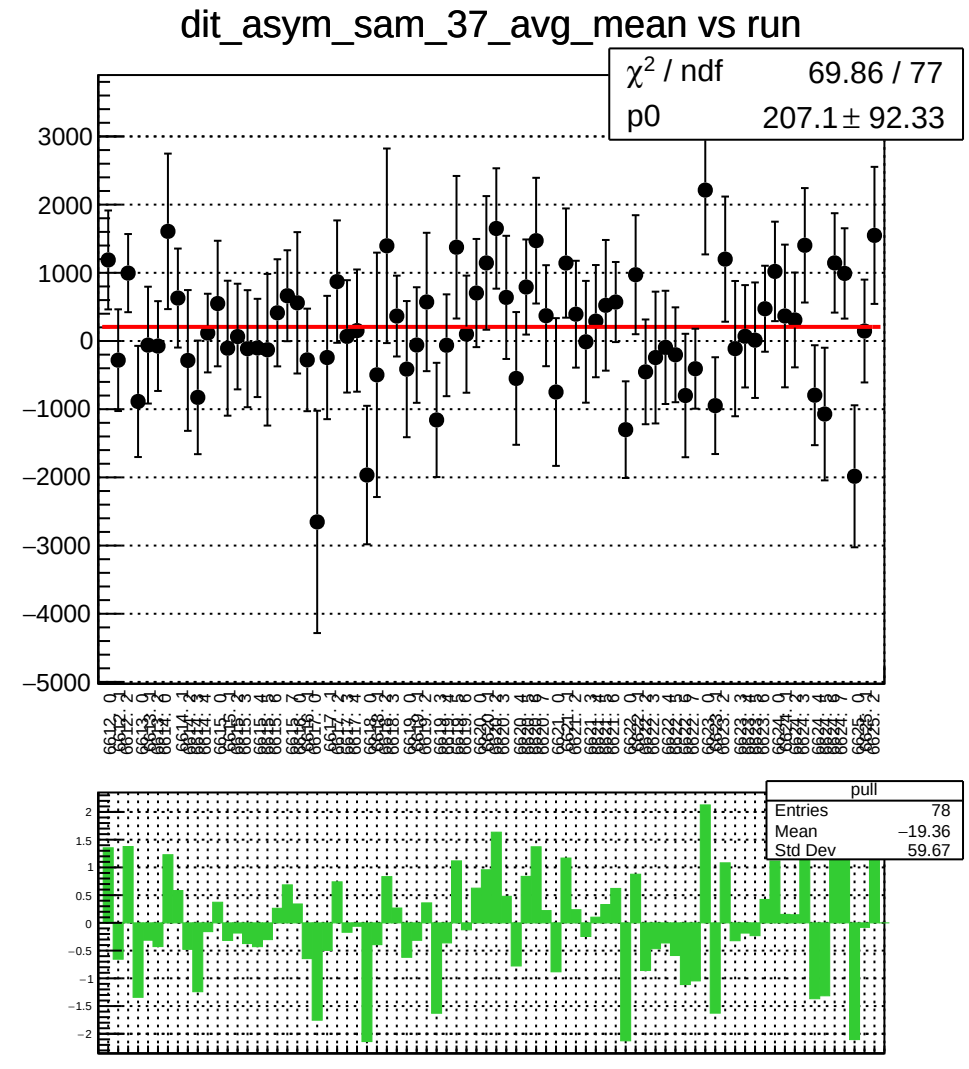

pull1D
Entries 78
Mean −0.00271
Std Dev 1.035
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

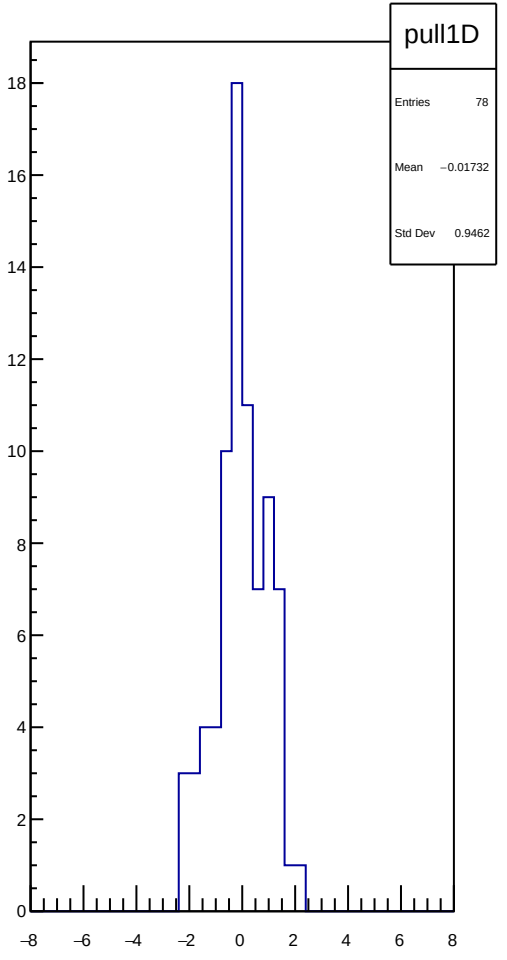

asym_sam_26_avg_correction_rms vs run
χ² / ndf 1.327e+04 / 77
p0 582.6 ± 0.4703
800
750
700
650
600
550
500

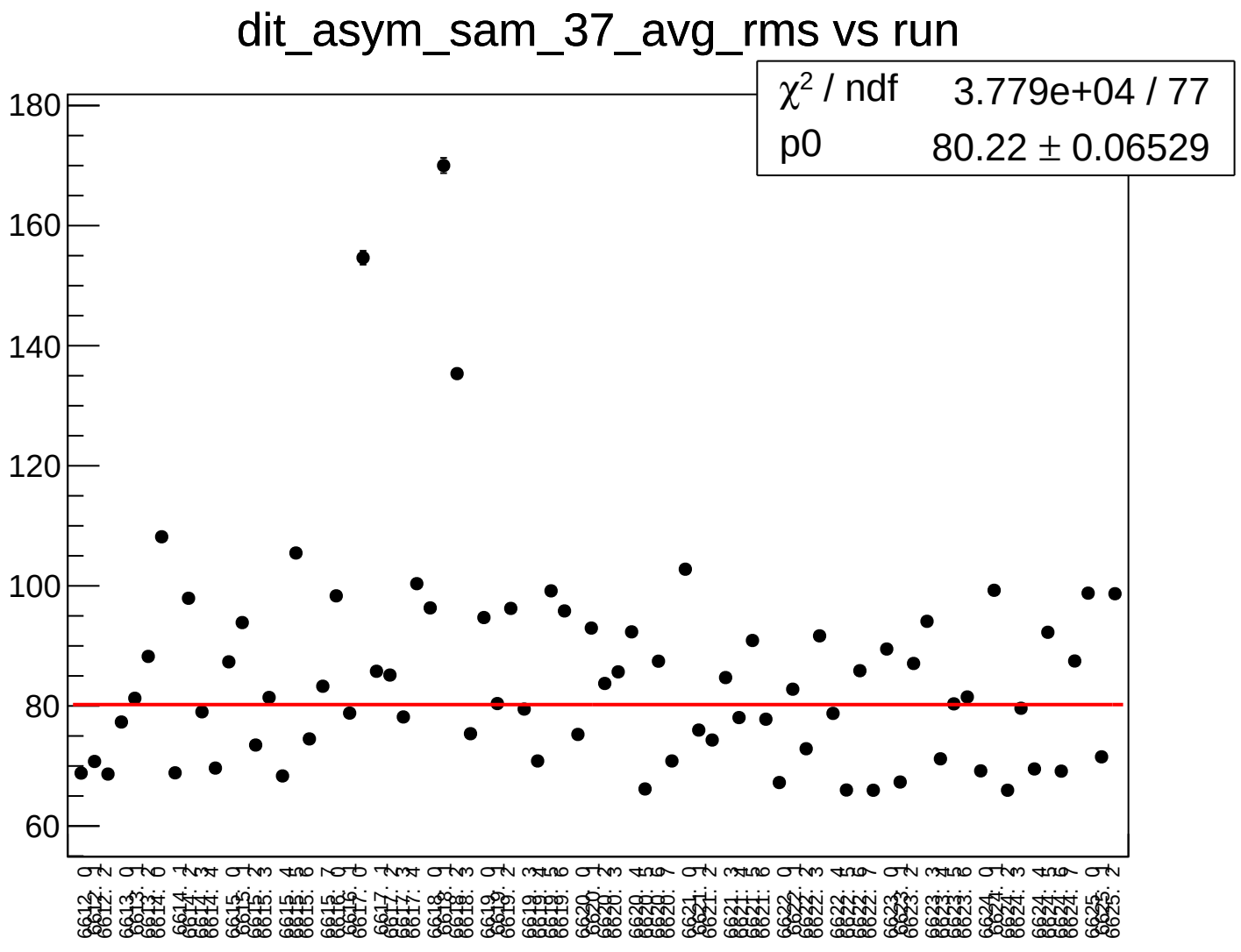

asym_sam_26_avg_mean vs run
χ² / ndf 87.16 / 77
p0 762.3 ± 687.3
20000
10000
0
−10000
−20000
pull
Entries 78
Mean 220
Std Dev 105.4
2
1
0
−1
−2

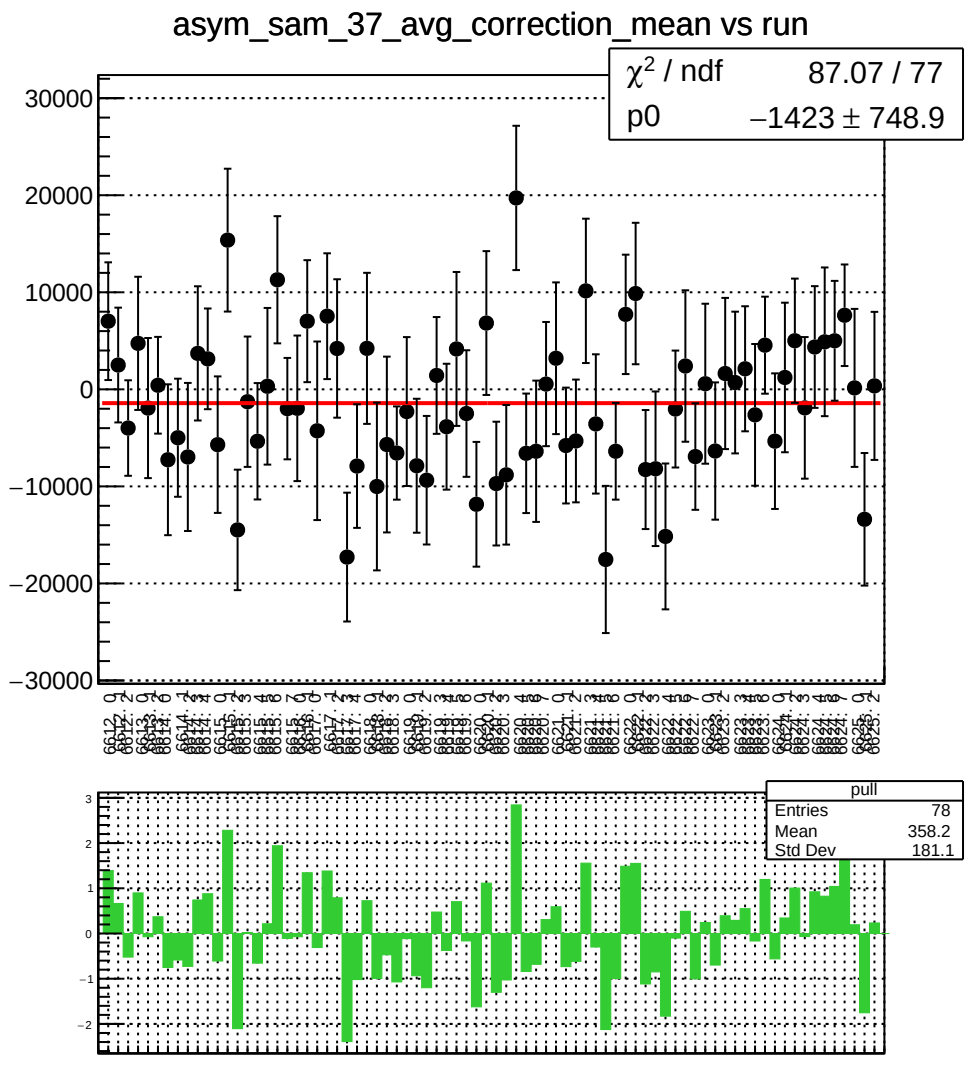

pull1D
Entries 78
Mean −0.00305
Std Dev 1.057
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

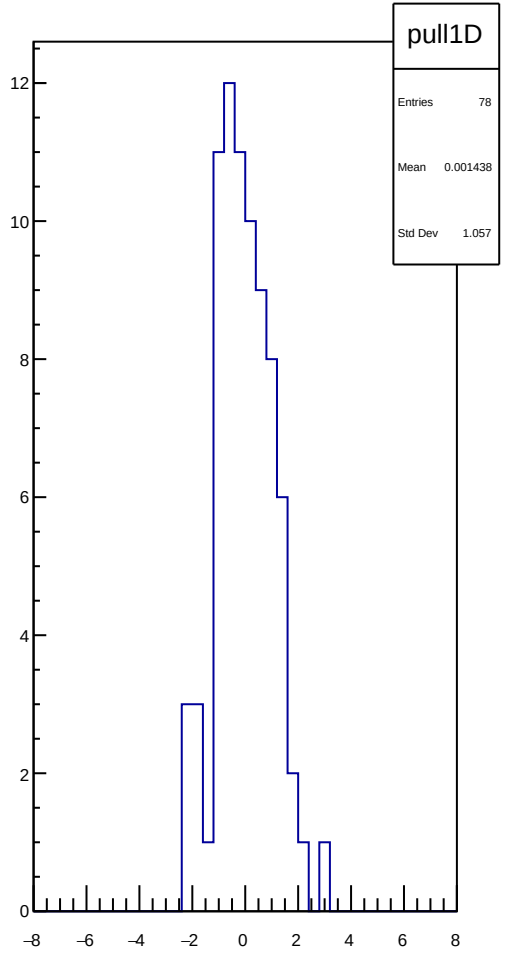

asym_sam_26_avg_rms vs run
χ^2 / ndf 1.937e+04 / 77
p0 600.8 ± 0.486
900
850
800
750
700
650
600
550
500

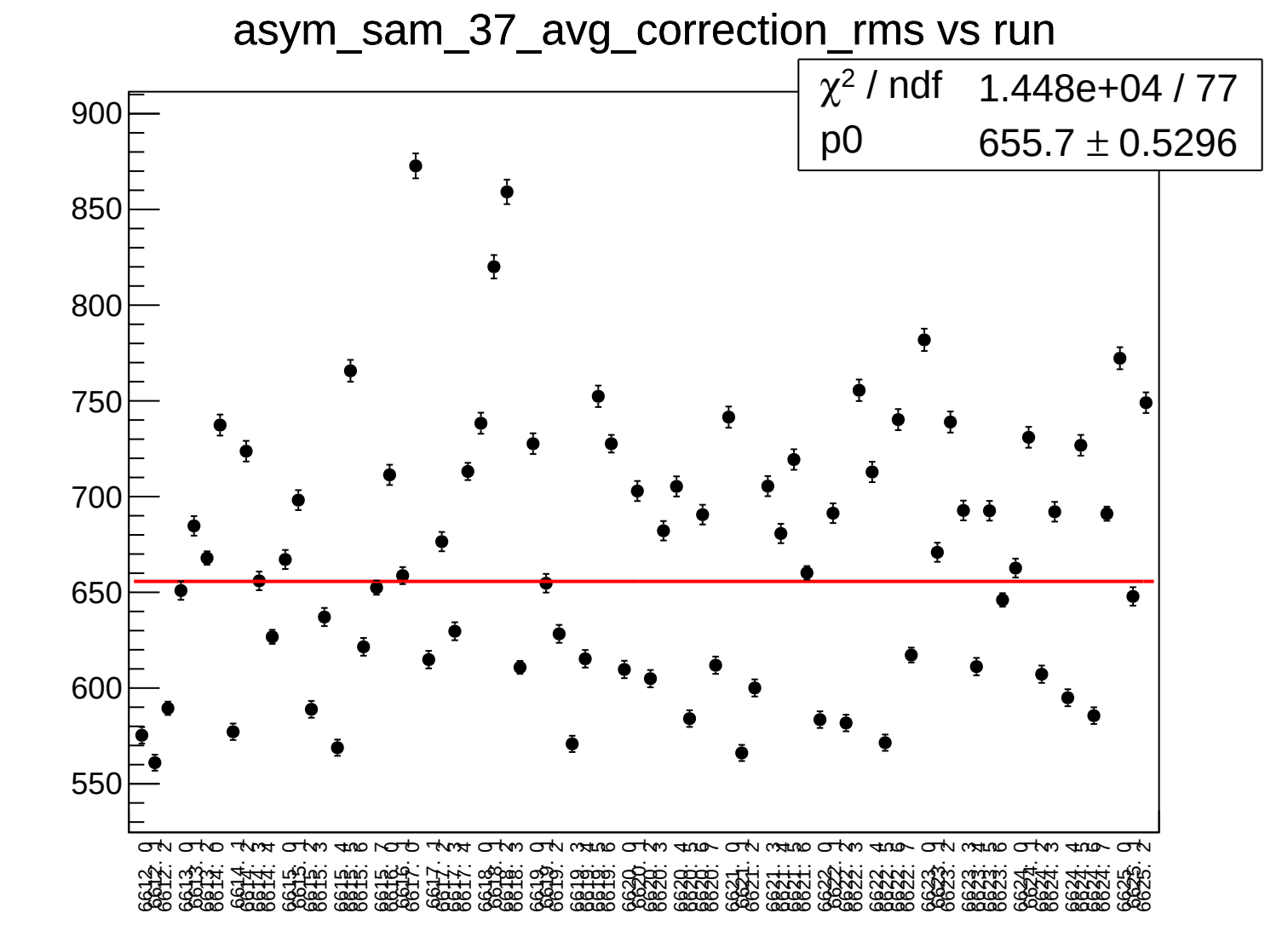

dit_asym_sam_37_avg_mean vs run
χ² / ndf 69.86 / 77
p0 207.1 ± 92.33
pull
Entries 78
Mean −19.36
Std Dev 59.67

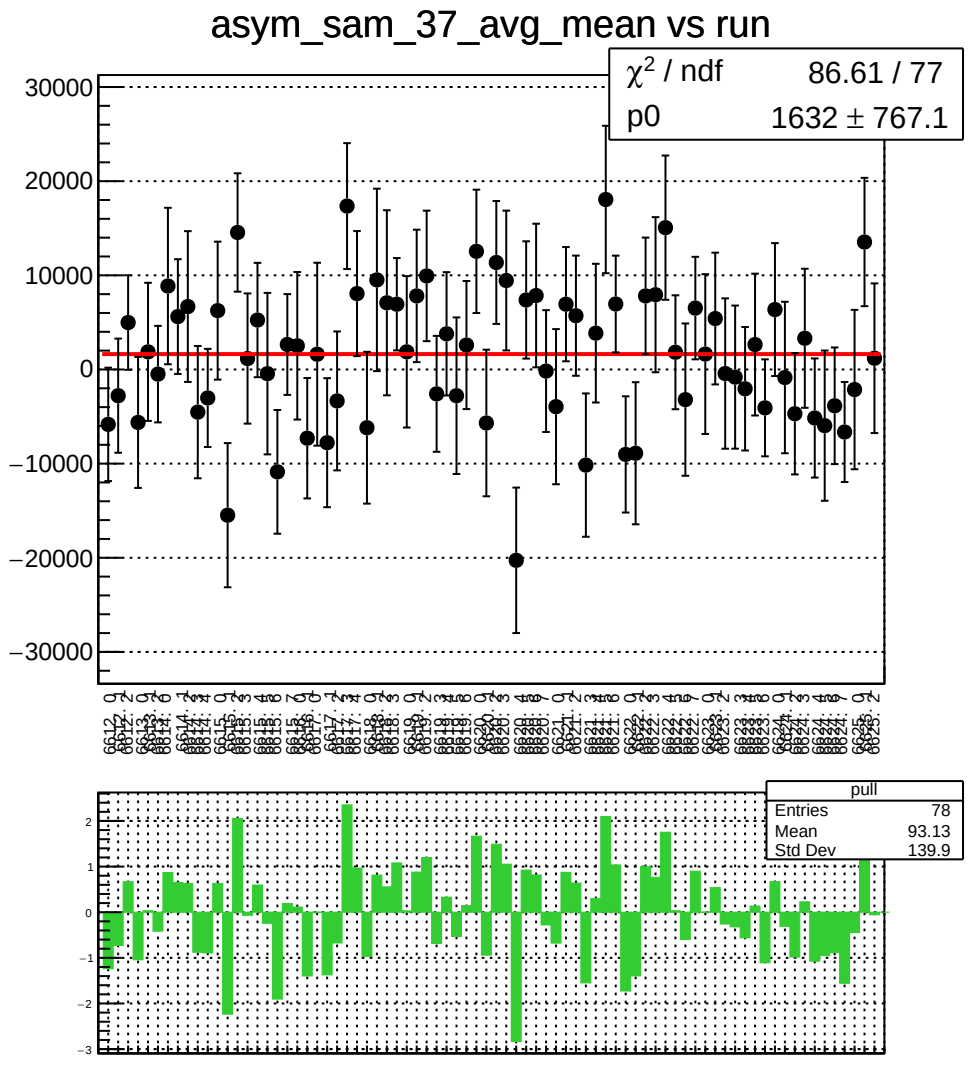

pull1D
Entries 78
Mean −0.01732
Std Dev 0.9462

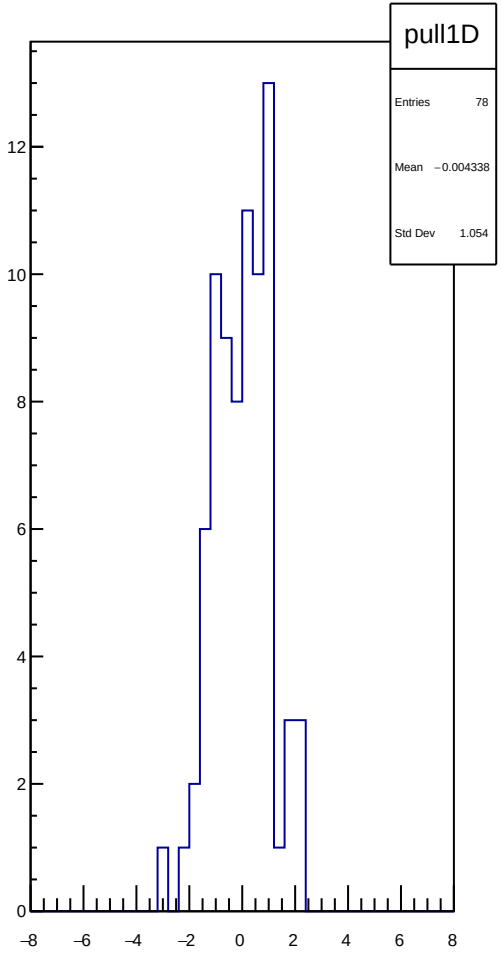

dit_asym_sam_37_avg_rms vs run
χ² / ndf 3.779e+04 / 77
p0 80.22 ± 0.06529
180
160
140
120
100
80
60

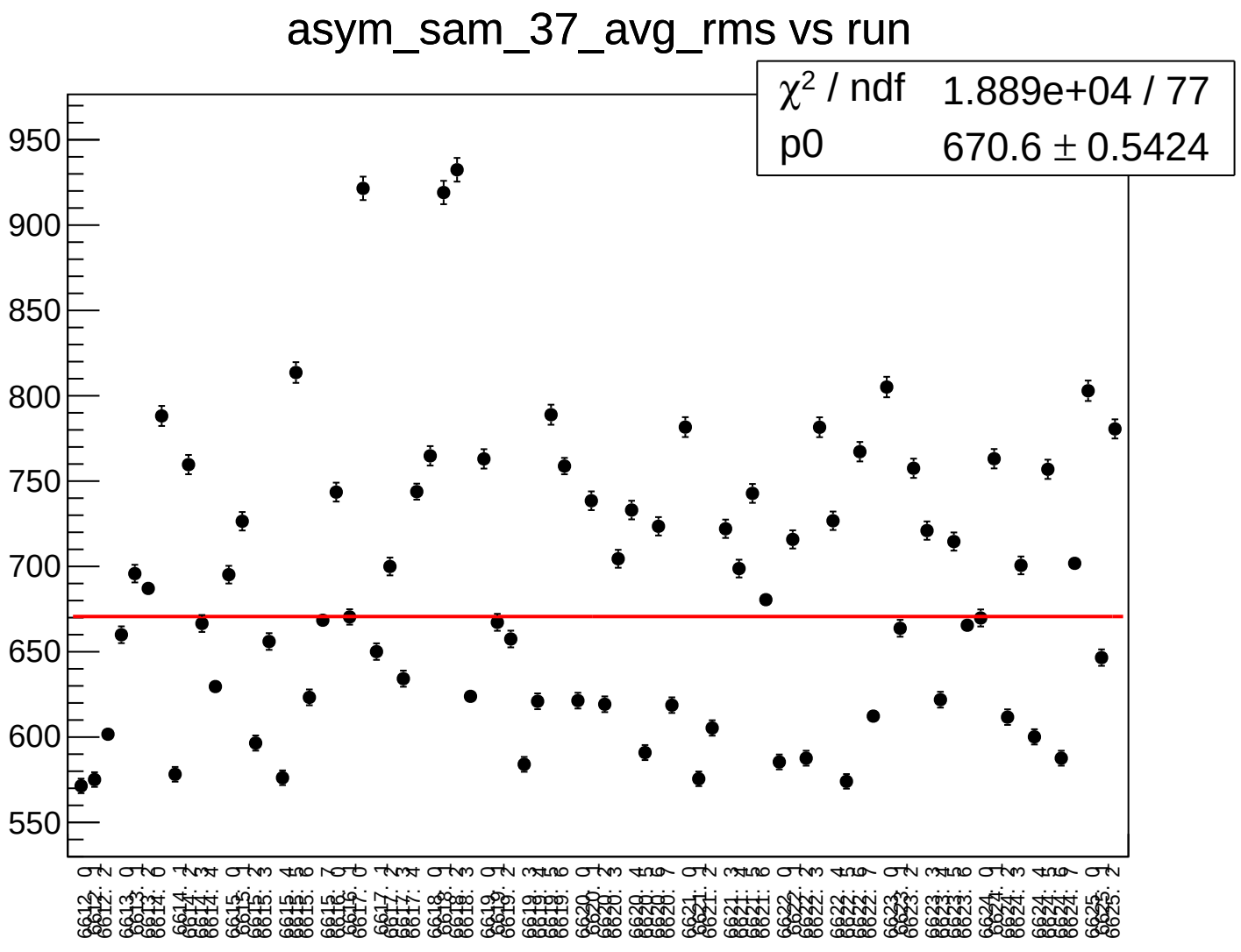

asym_sam_37_avg_correction_mean vs run
χ² / ndf 87.07 / 77
p0 −1423 ± 748.9
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 78
Mean 358.2
Std Dev 181.1
3
2
1
0
−1
−2

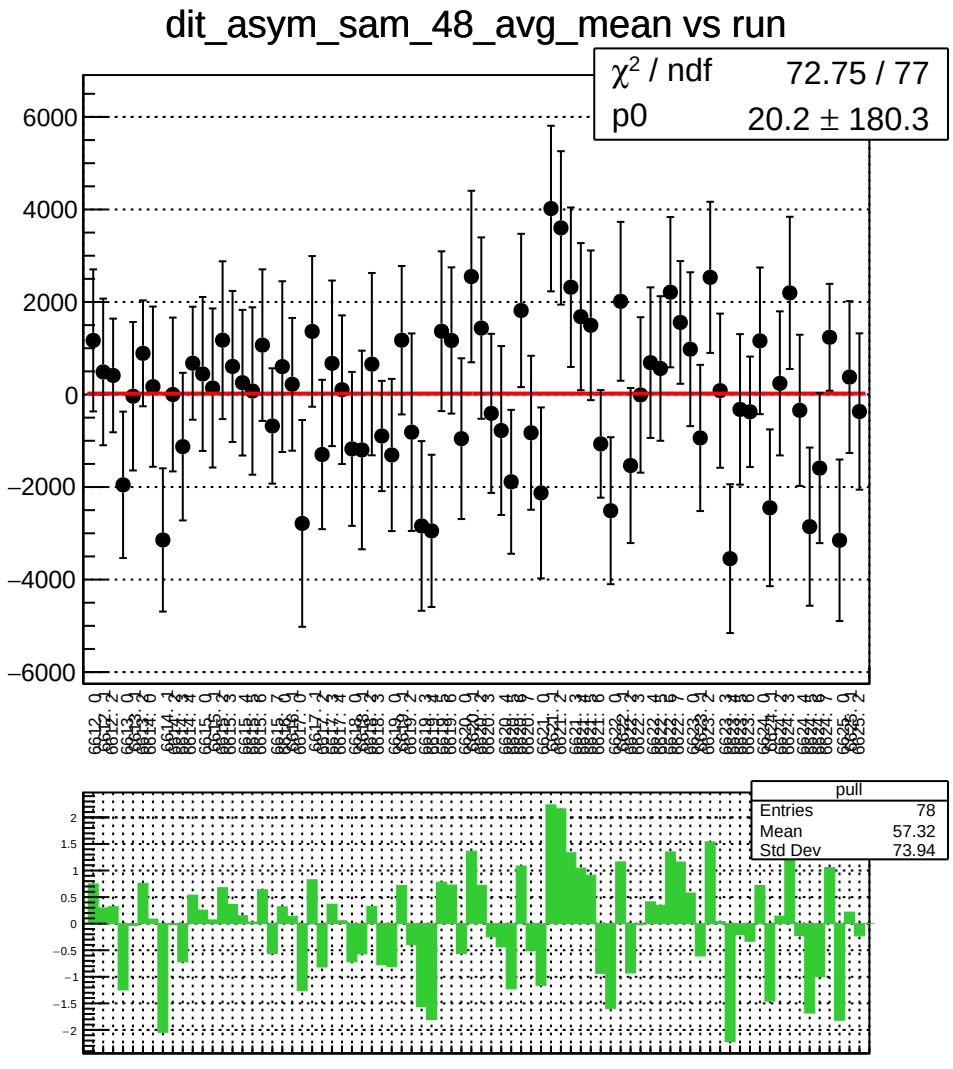

pull1D
Entries 78
Mean 0.001438
Std Dev 1.057
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

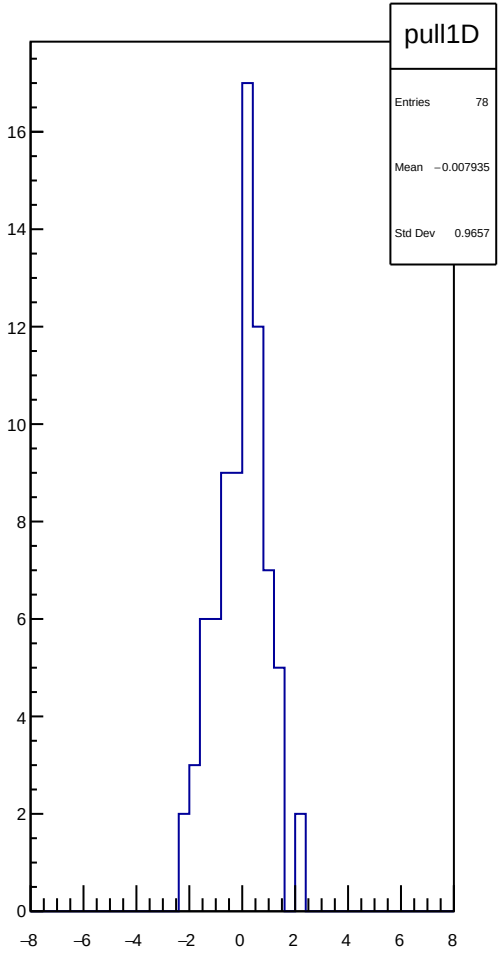

asym_sam_37_avg_correction_rms vs run
χ² / ndf 1.448e+04 / 77
p0 655.7 ± 0.5296
900
850
800
750
700
650
600
550

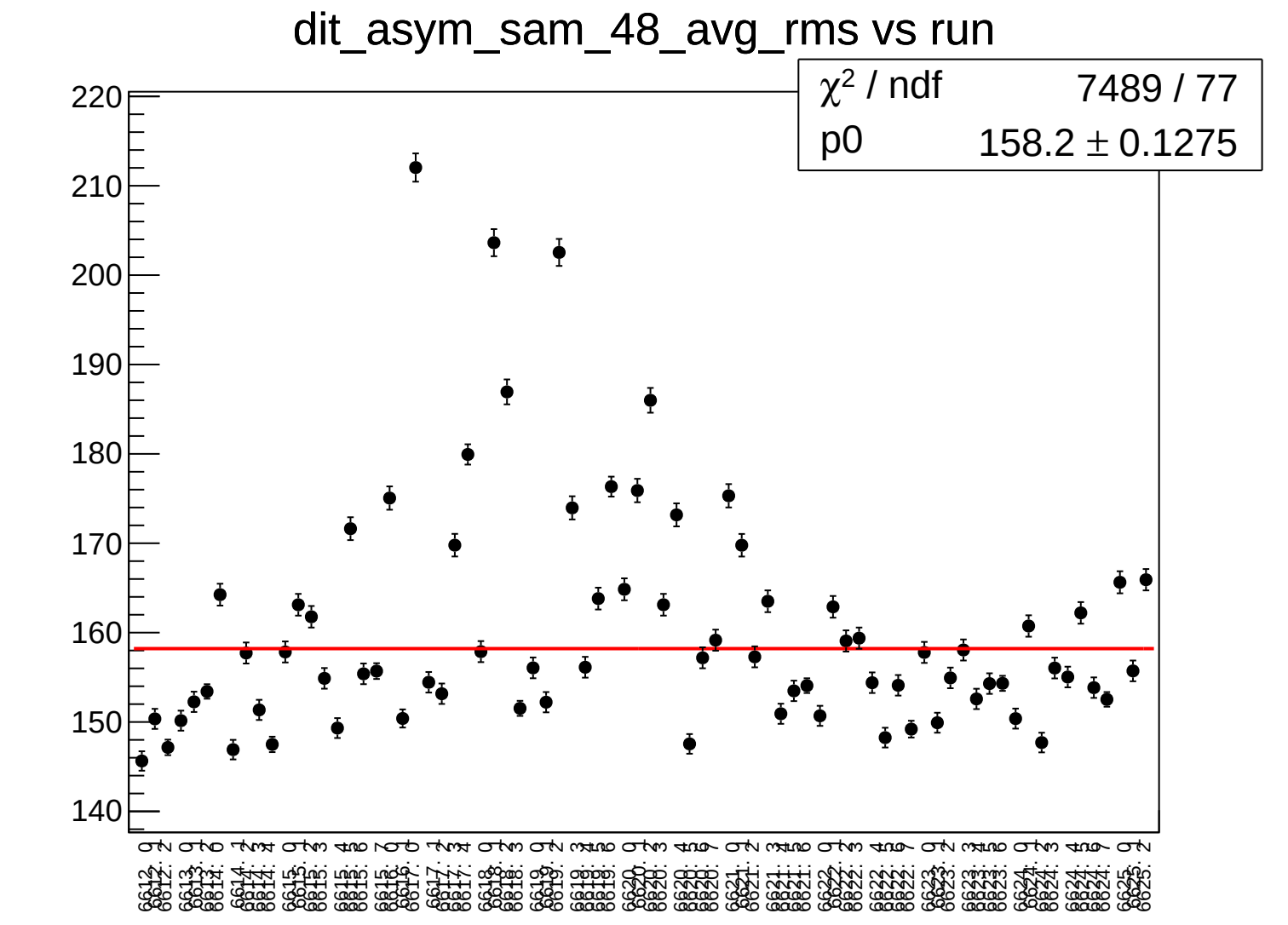

asym_sam_37_avg_mean vs run
χ² / ndf 86.61 / 77
p0 1632 ± 767.1
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 78
Mean 93.13
Std Dev 139.9
2
1
0
−1
−2
−3

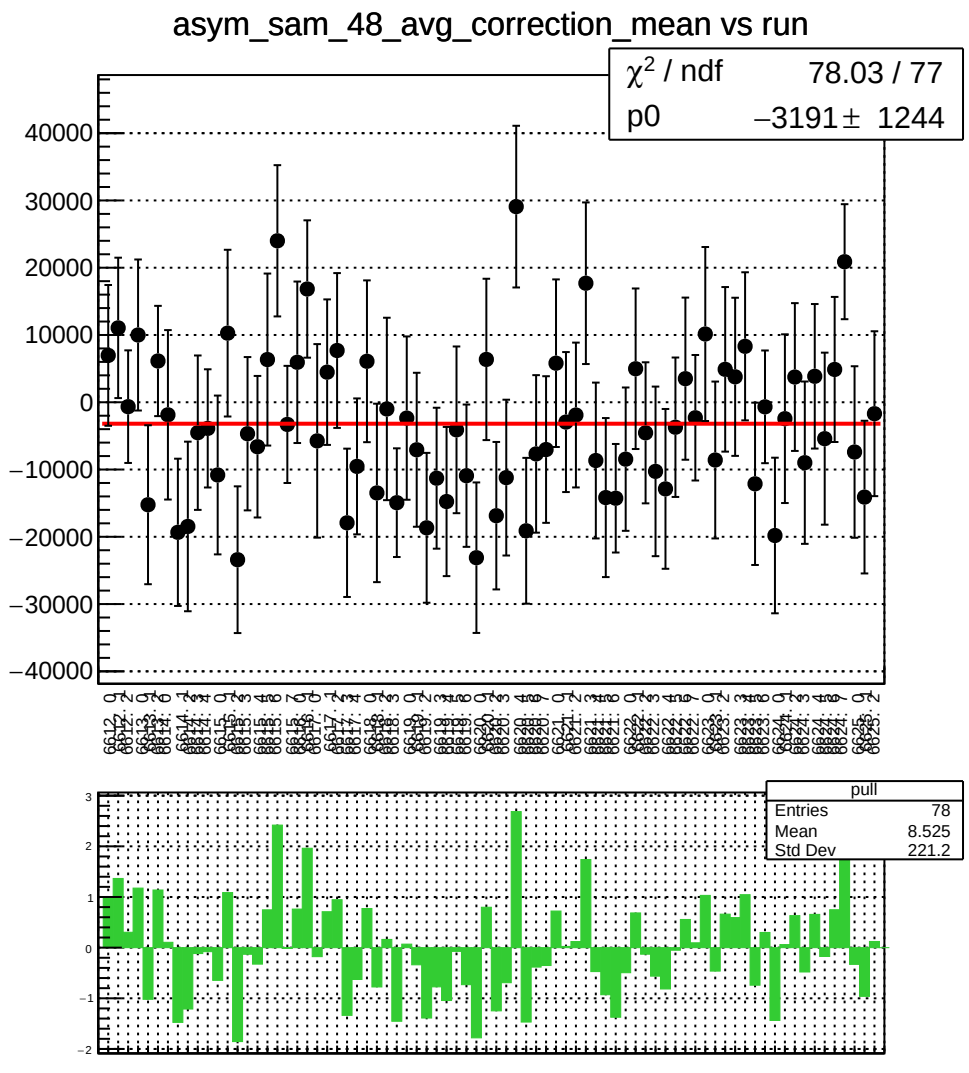

pull1D
Entries 78
Mean −0.004338
Std Dev 1.054
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

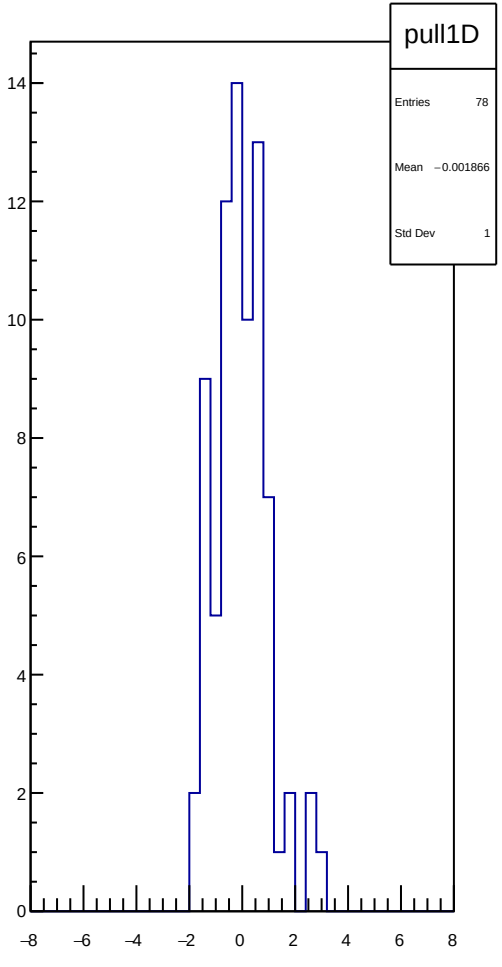

asym_sam_37_avg_rms vs run
χ² / ndf 1.889e+04 / 77
p0 670.6 ± 0.5424
950
900
850
800
750
700
650
600
550

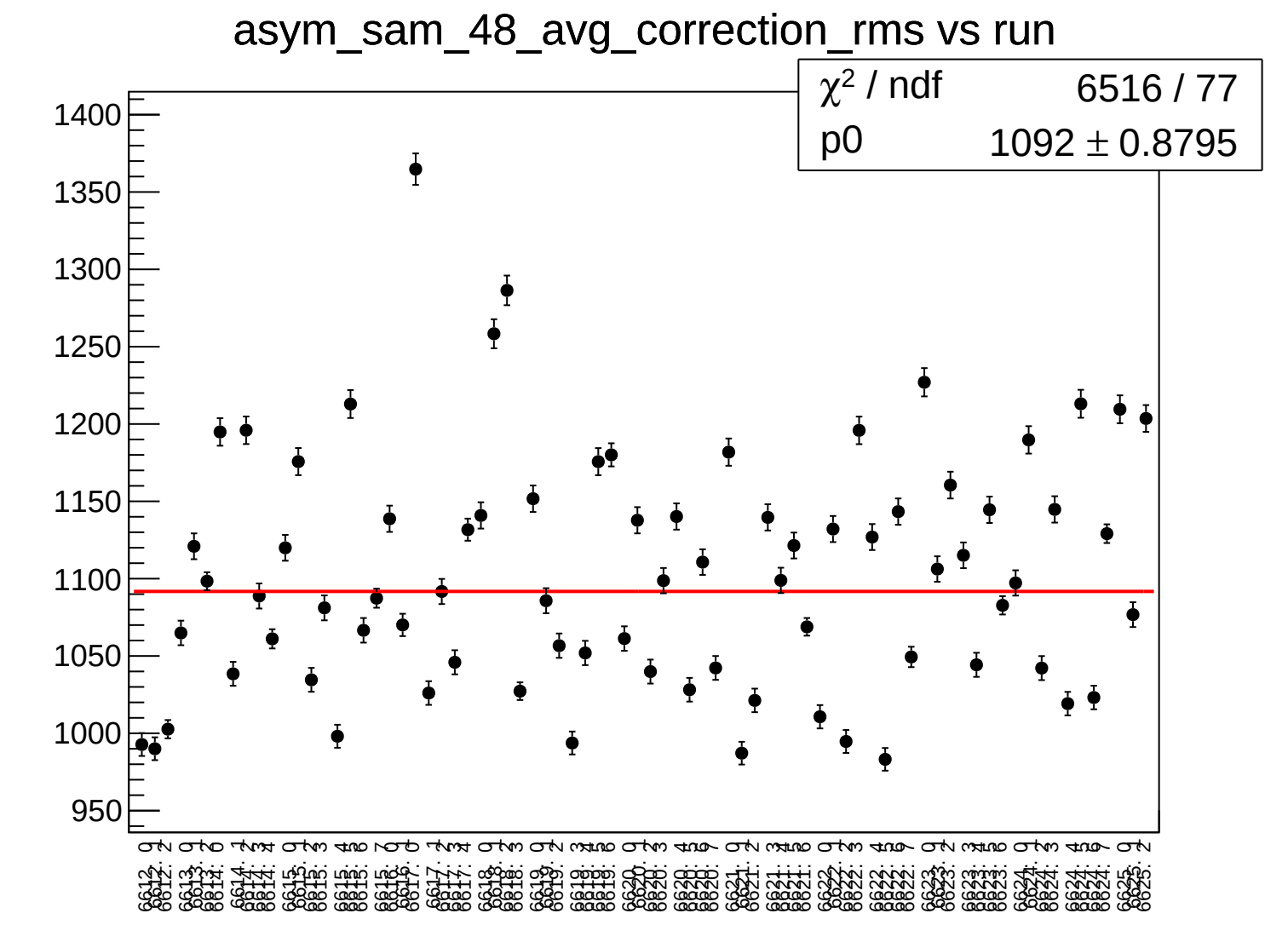

dit_asym_sam_48_avg_mean vs run
χ² / ndf 72.75 / 77
p0 20.2 ± 180.3
pull
Entries 78
Mean 57.32
Std Dev 73.94

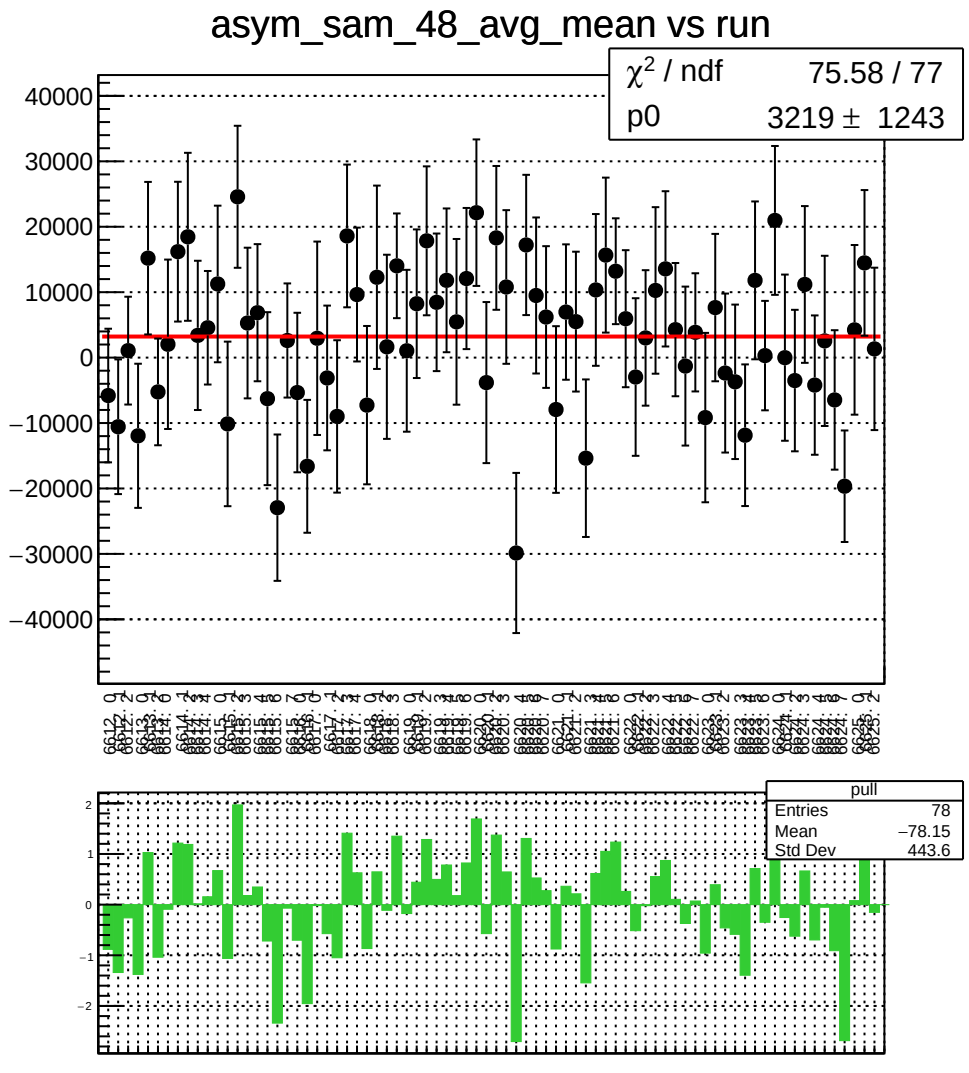

pull1D
Entries 78
Mean −0.007935
Std Dev 0.9657

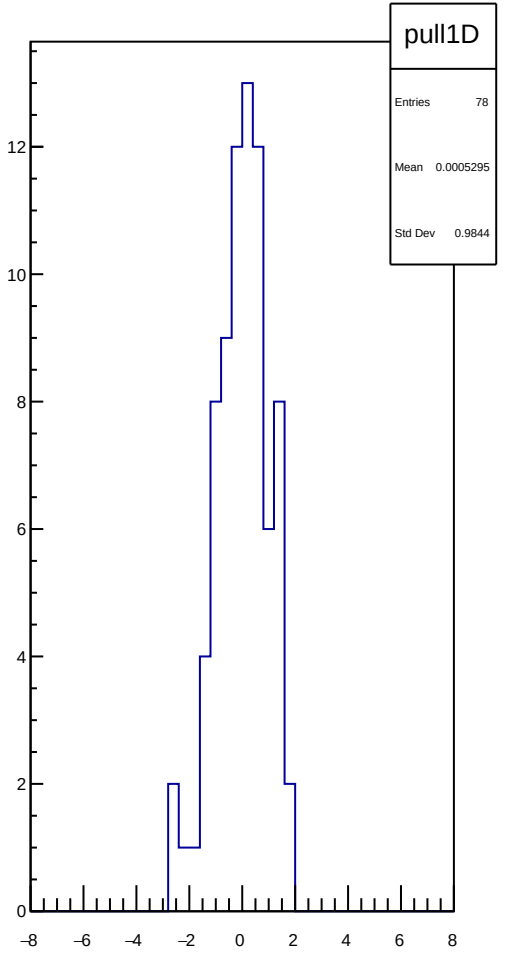

dit_asym_sam_48_avg_rms vs run
χ² / ndf 7489 / 77
p0 158.2 ± 0.1275
220
210
200
190
180
170
160
150
140

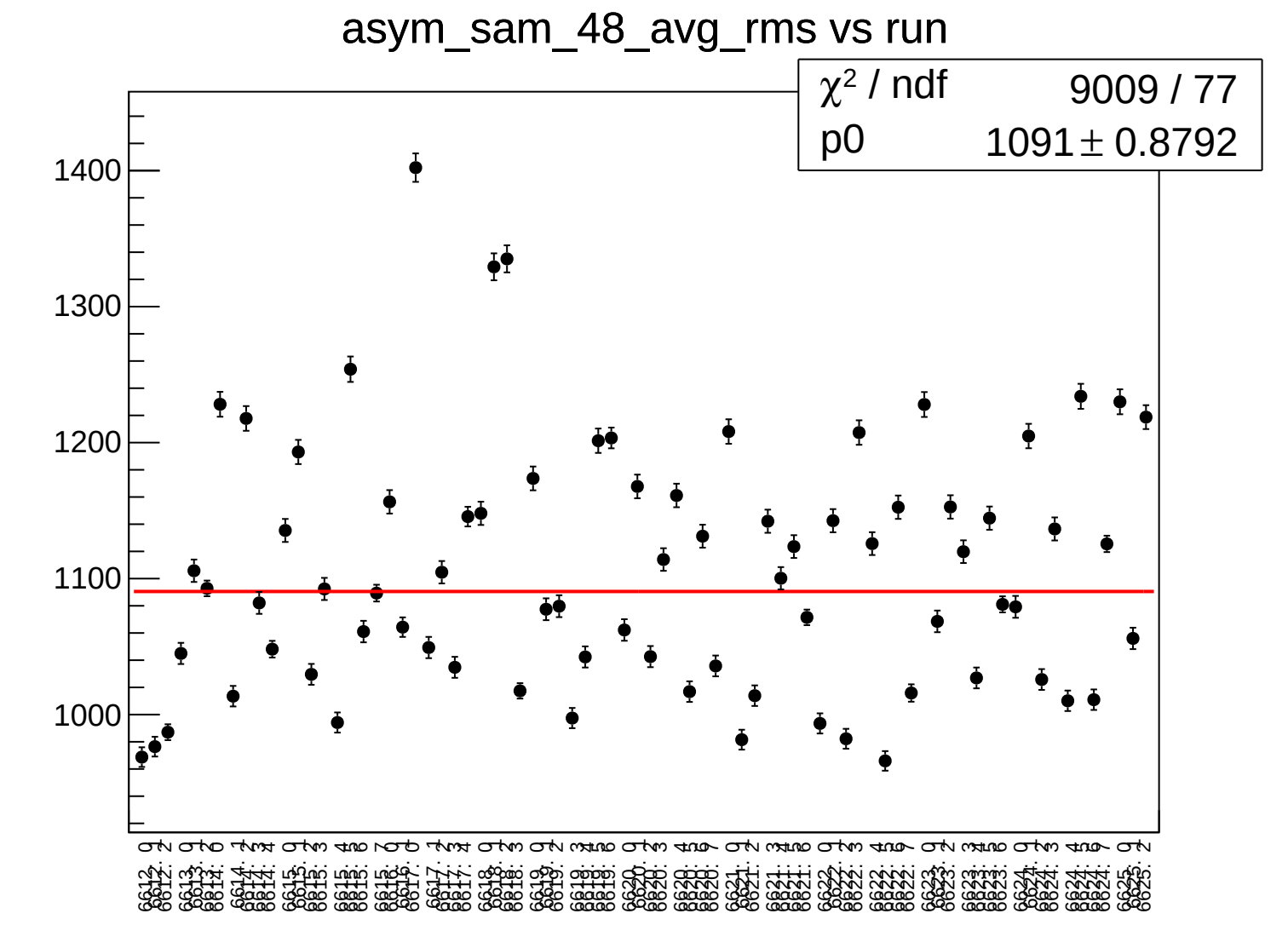

asym_sam_48_avg_correction_mean vs run
χ² / ndf 78.03 / 77
p0 −3191 ± 1244
pull
Entries 78
Mean 8.525
Std Dev 221.2

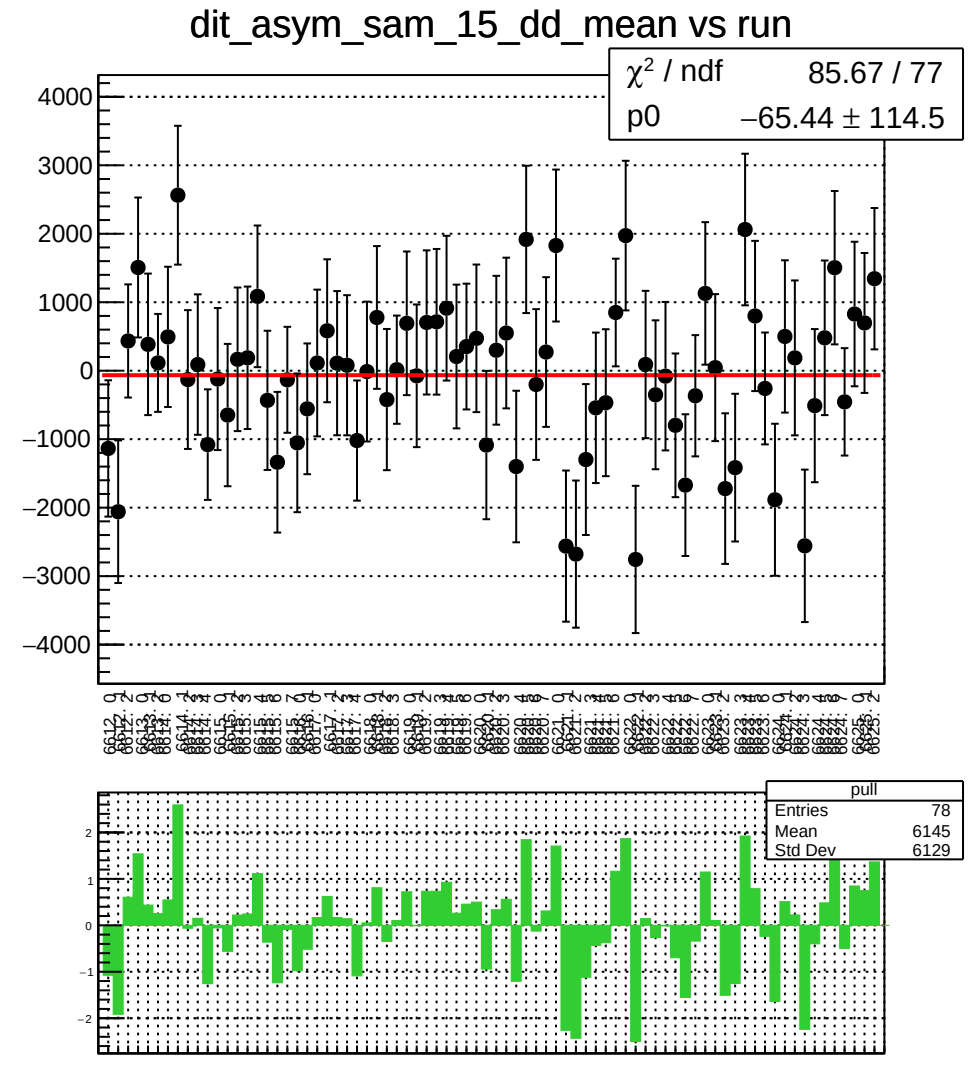

pull1D
Entries 78
Mean −0.001866
Std Dev 1

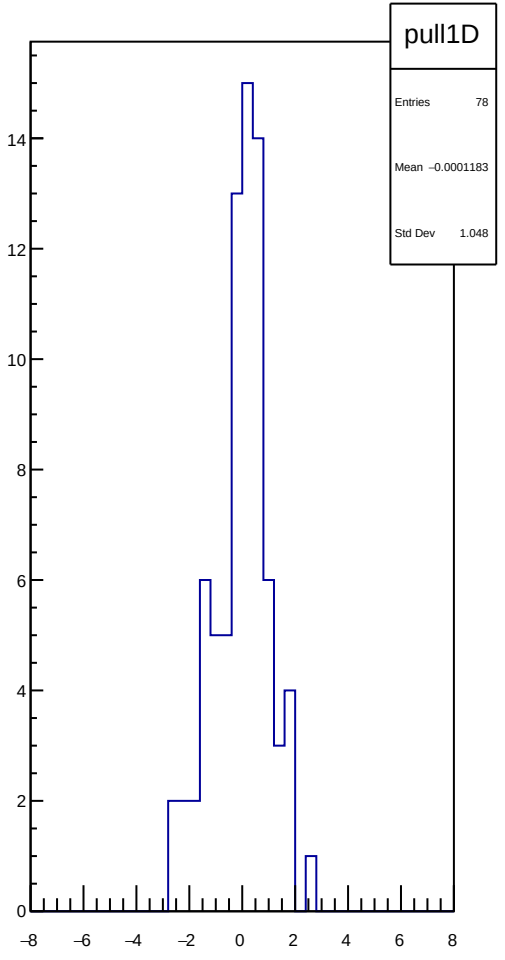

asym_sam_48_avg_correction_rms vs run
χ² / ndf 6516 / 77
p0 1092 ± 0.8795
1400
1350
1300
1250
1200
1150
1100
1050
1000
950

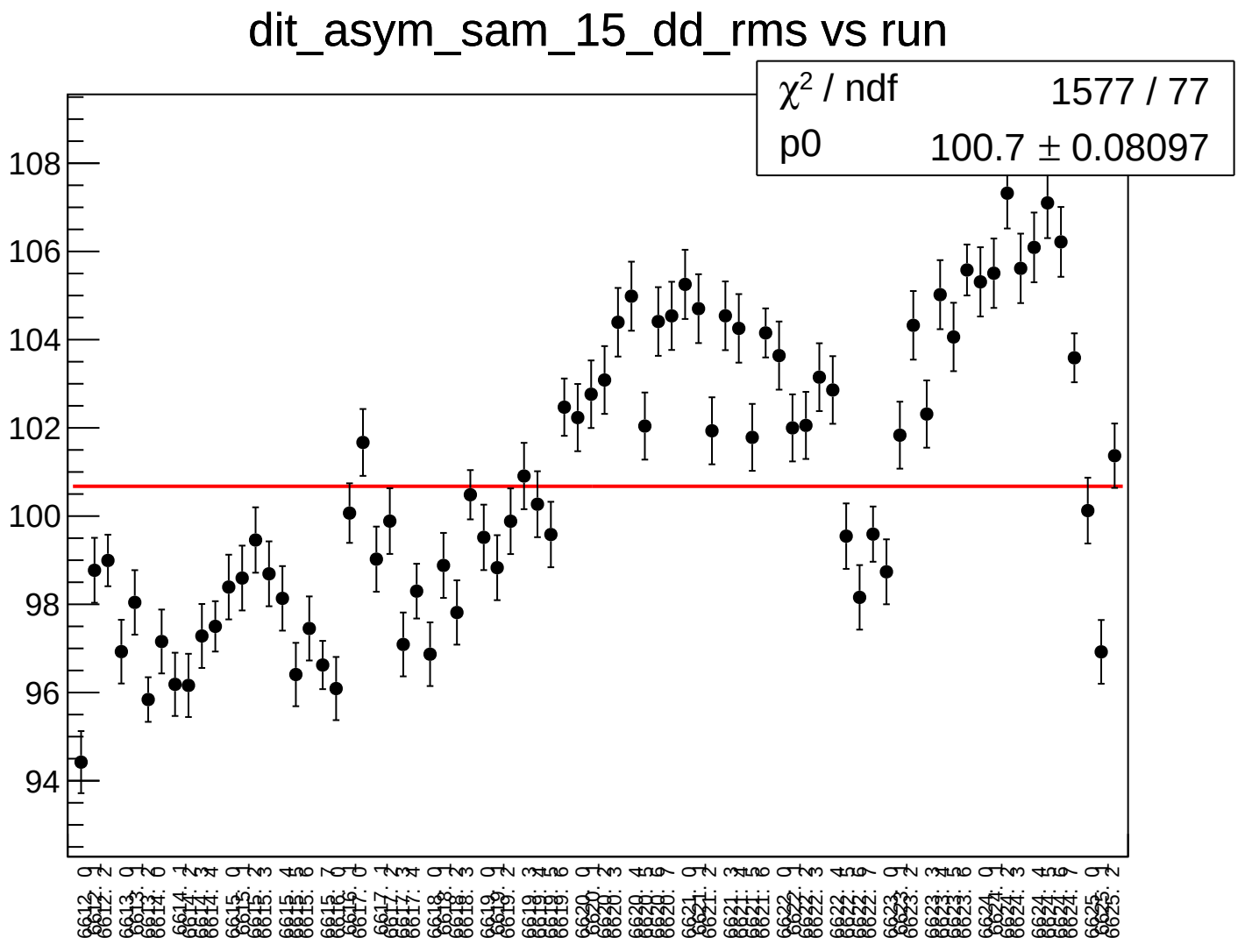

asym_sam_48_avg_mean vs run
χ² / ndf 75.58 / 77
p0 3219 ± 1243
pull
Entries 78
Mean −78.15
Std Dev 443.6

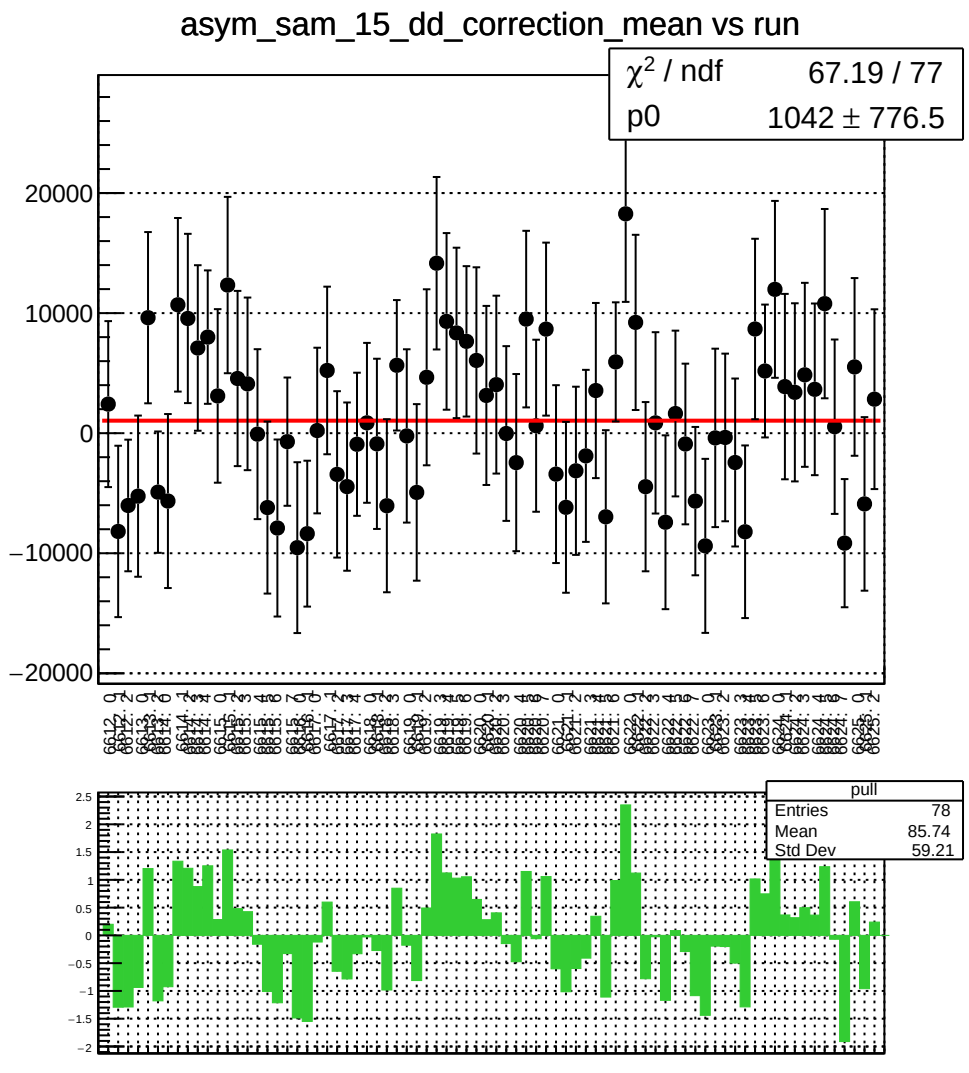

pull1D
Entries 78
Mean 0.0005295
Std Dev 0.9844

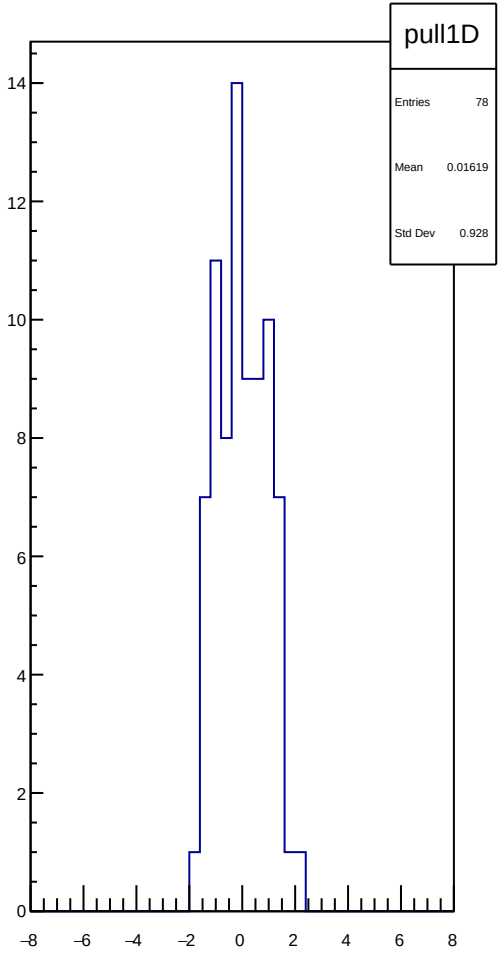

asym_sam_48_avg_rms vs run
χ² / ndf 9009 / 77
p0 1091 ± 0.8792
1400
1300
1200
1100
1000

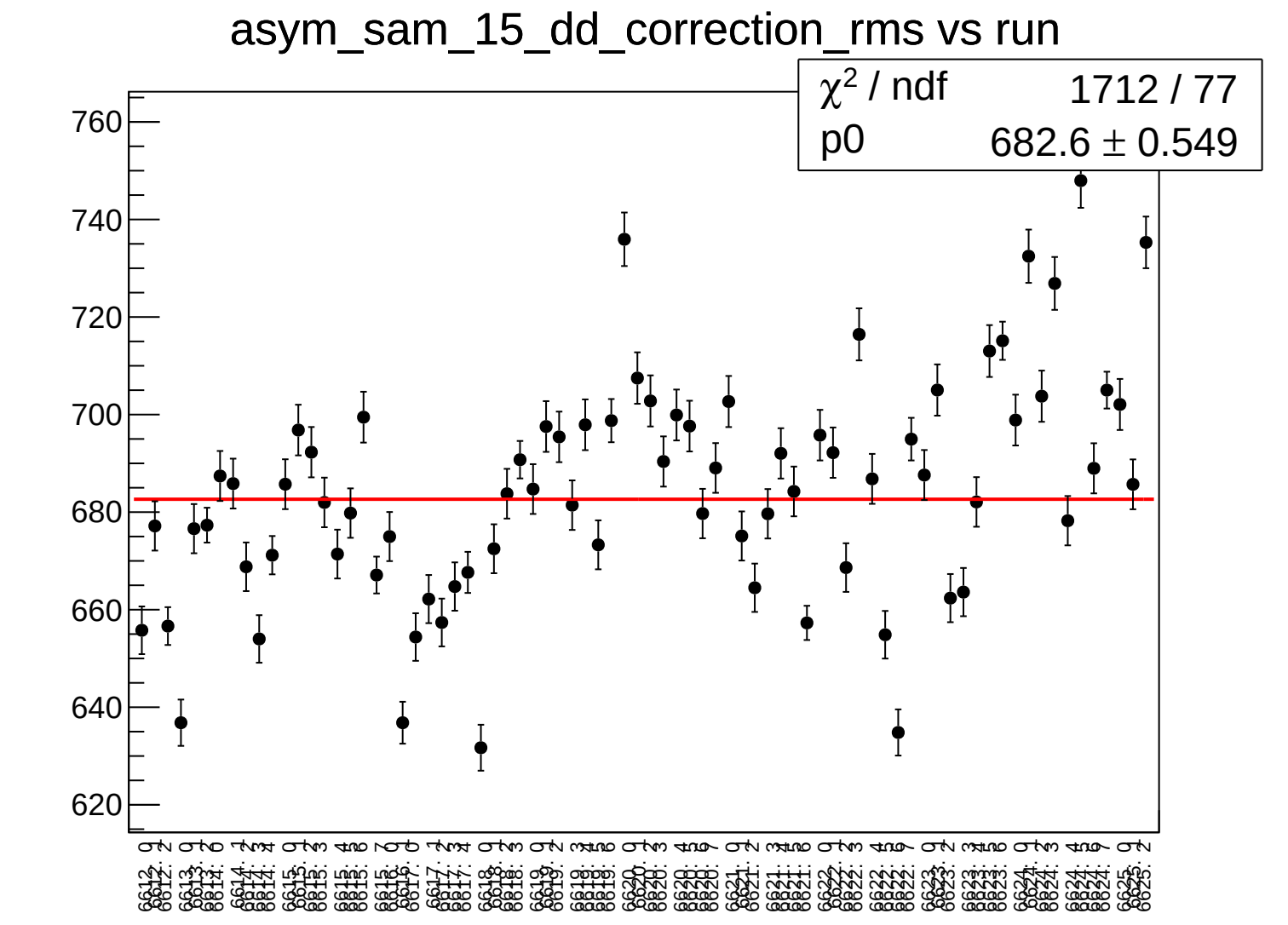

dit_asym_sam_15_dd_mean vs run
χ² / ndf 85.67 / 77
p0 −65.44 ± 114.5
pull
Entries 78
Mean 6145
Std Dev 6129

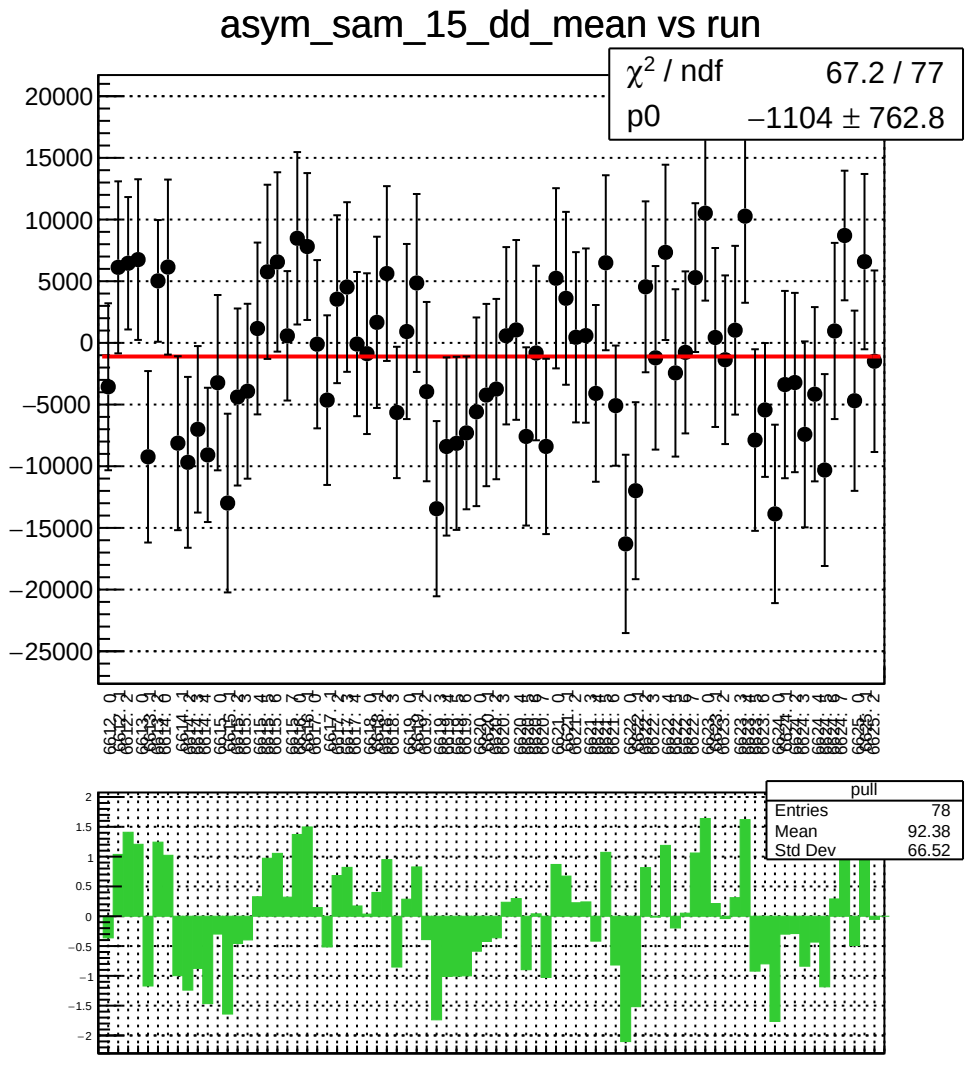

pull1D
Entries 78
Mean −0.0001183
Std Dev 1.048

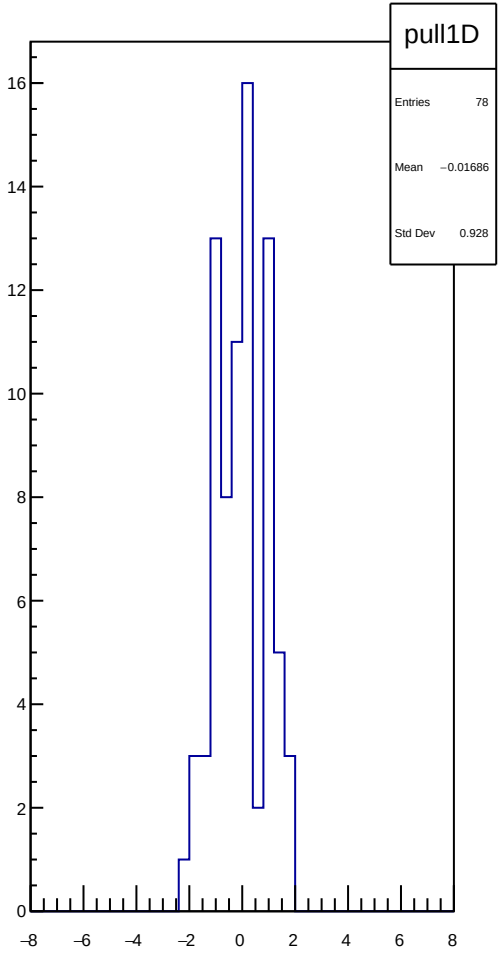

dit_asym_sam_15_dd_rms vs run
χ² / ndf 1577 / 77
p0 100.7 ± 0.08097
108
106
104
102
100
98
96
94

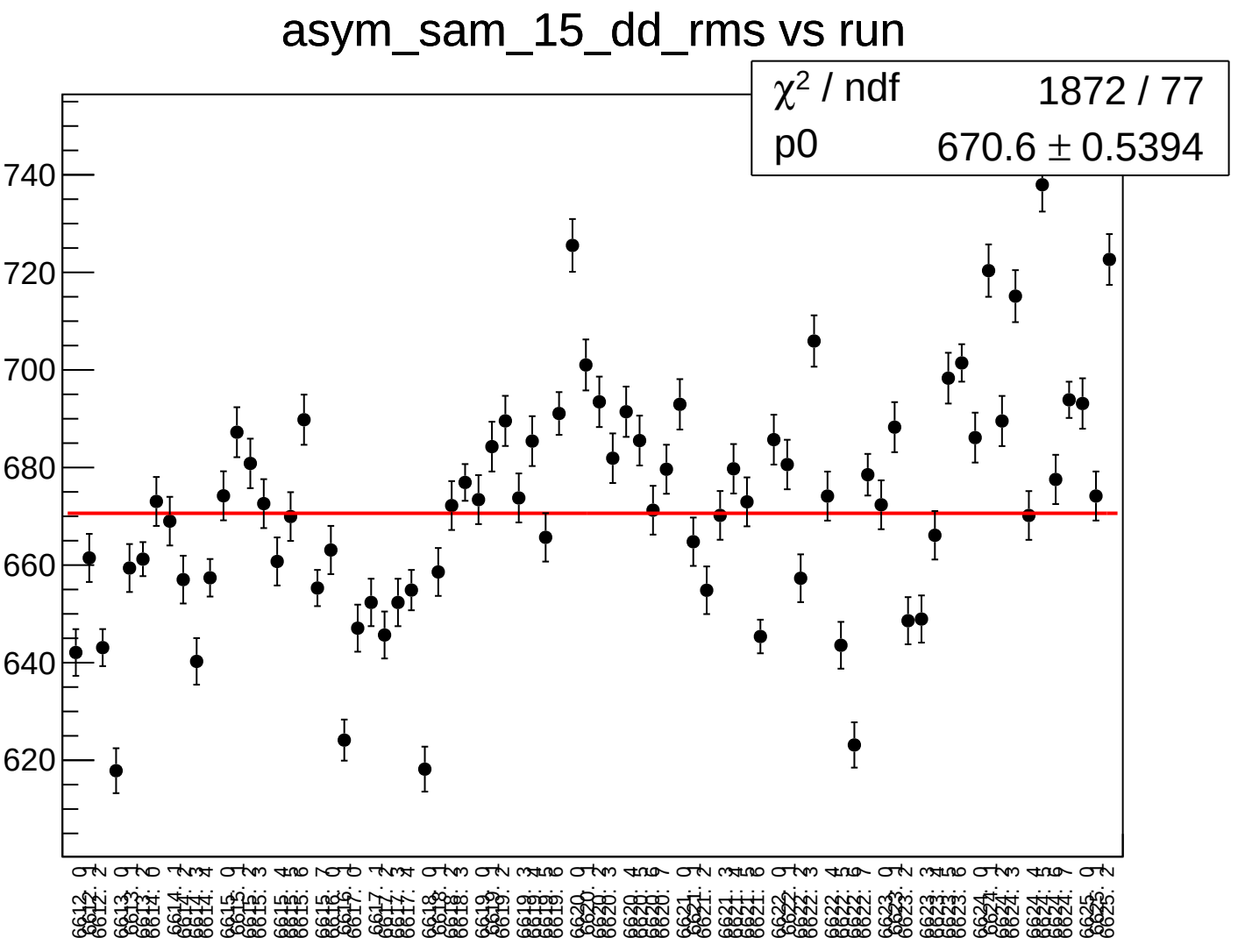

asym_sam_15_dd_correction_mean vs run
χ² / ndf 67.19 / 77
p0 1042 ± 776.5
20000
10000
0
−10000
−20000
pull
Entries 78
Mean 85.74
Std Dev 59.21
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

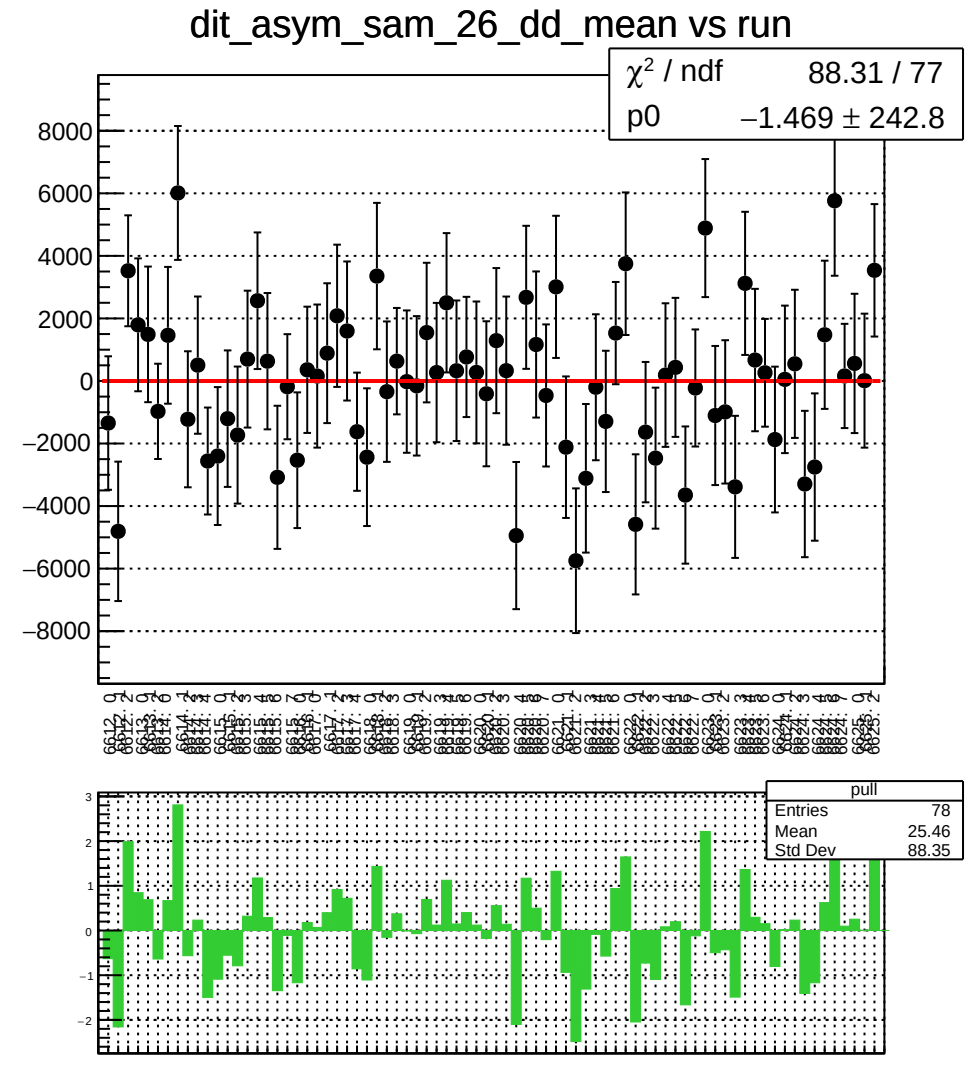

pull1D
Entries 78
Mean 0.01619
Std Dev 0.928
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

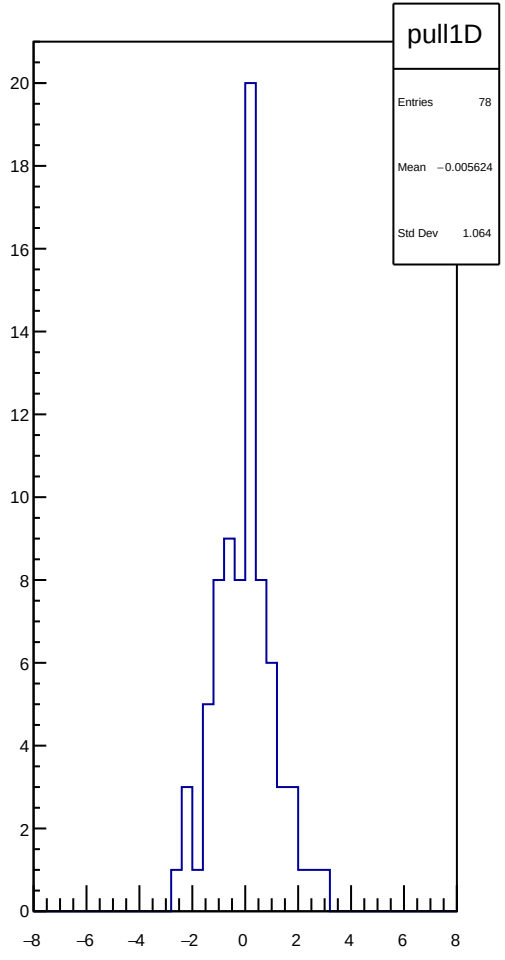

asym_sam_15_dd_correction_rms vs run
χ² / ndf 1712 / 77
p0 682.6 ± 0.549
760
740
720
700
680
660
640
620

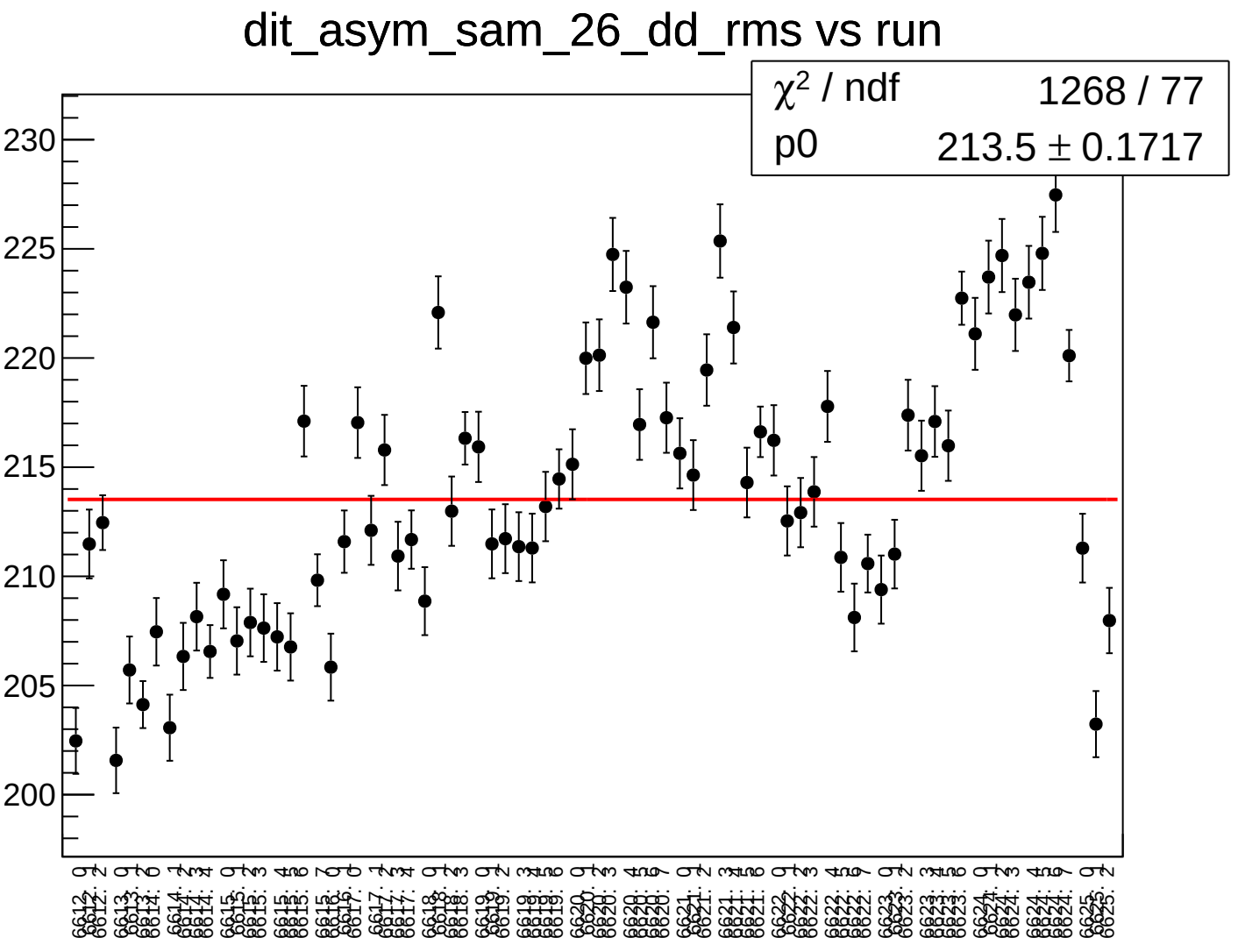

asym_sam_15_dd_mean vs run
χ² / ndf 67.2 / 77
p0 −1104 ± 762.8
pull
Entries 78
Mean 92.38
Std Dev 66.52

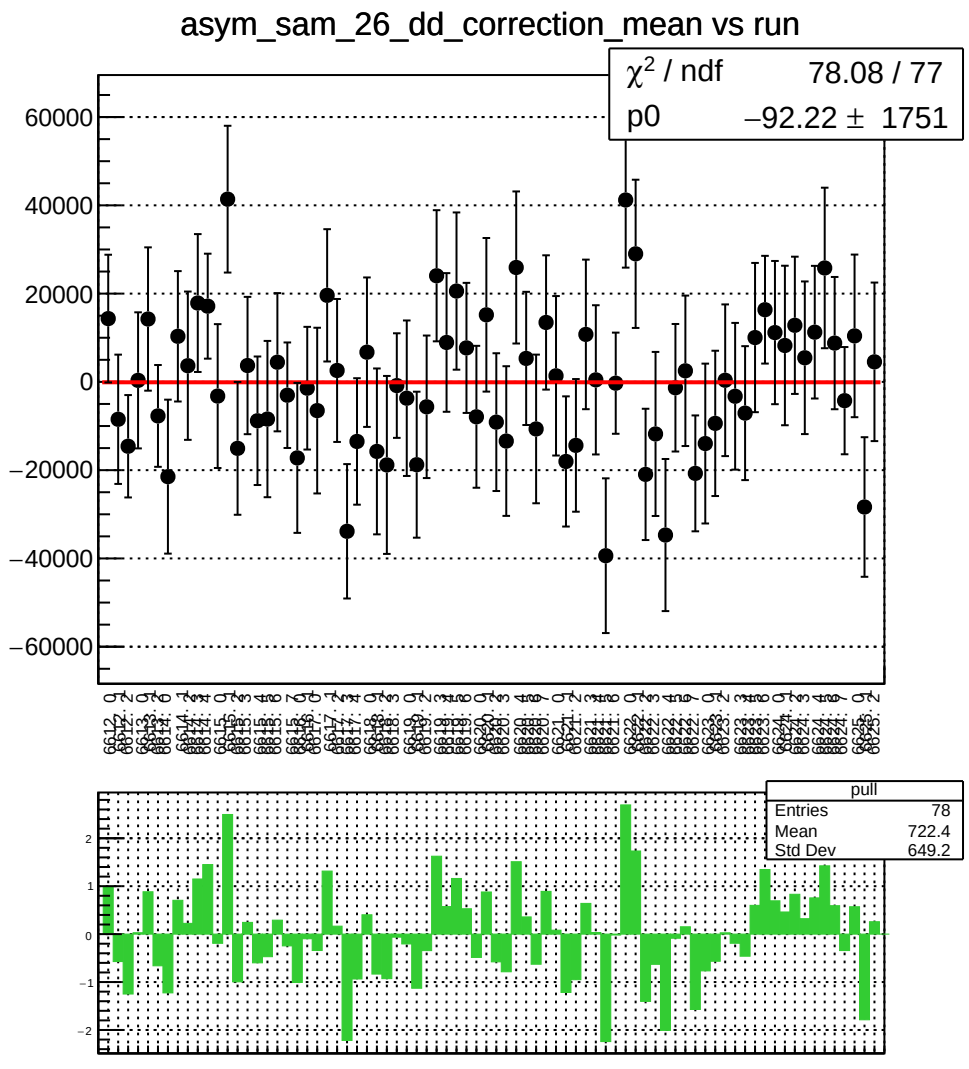

pull1D
Entries 78
Mean −0.01686
Std Dev 0.928

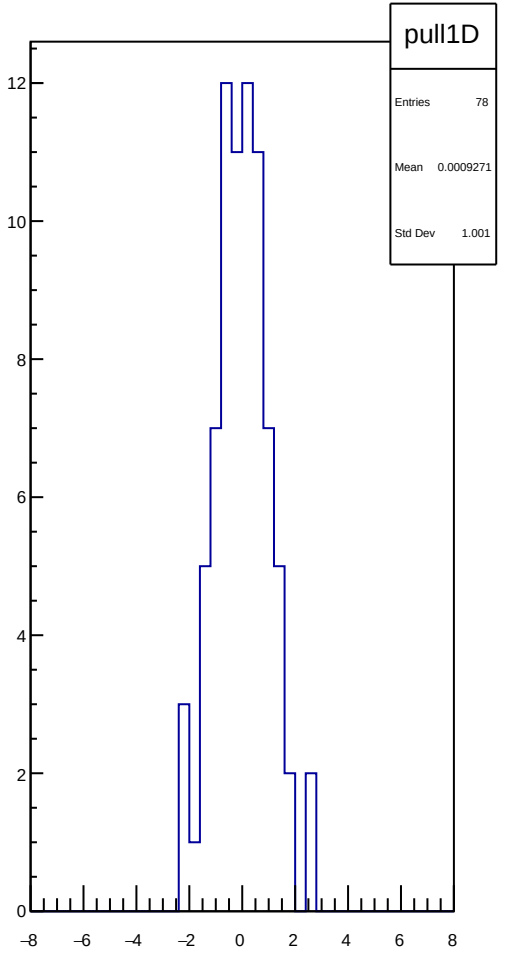

asym_sam_15_dd_rms vs run
χ² / ndf 1872 / 77
p0 670.6 ± 0.5394
740
720
700
680
660
640
620

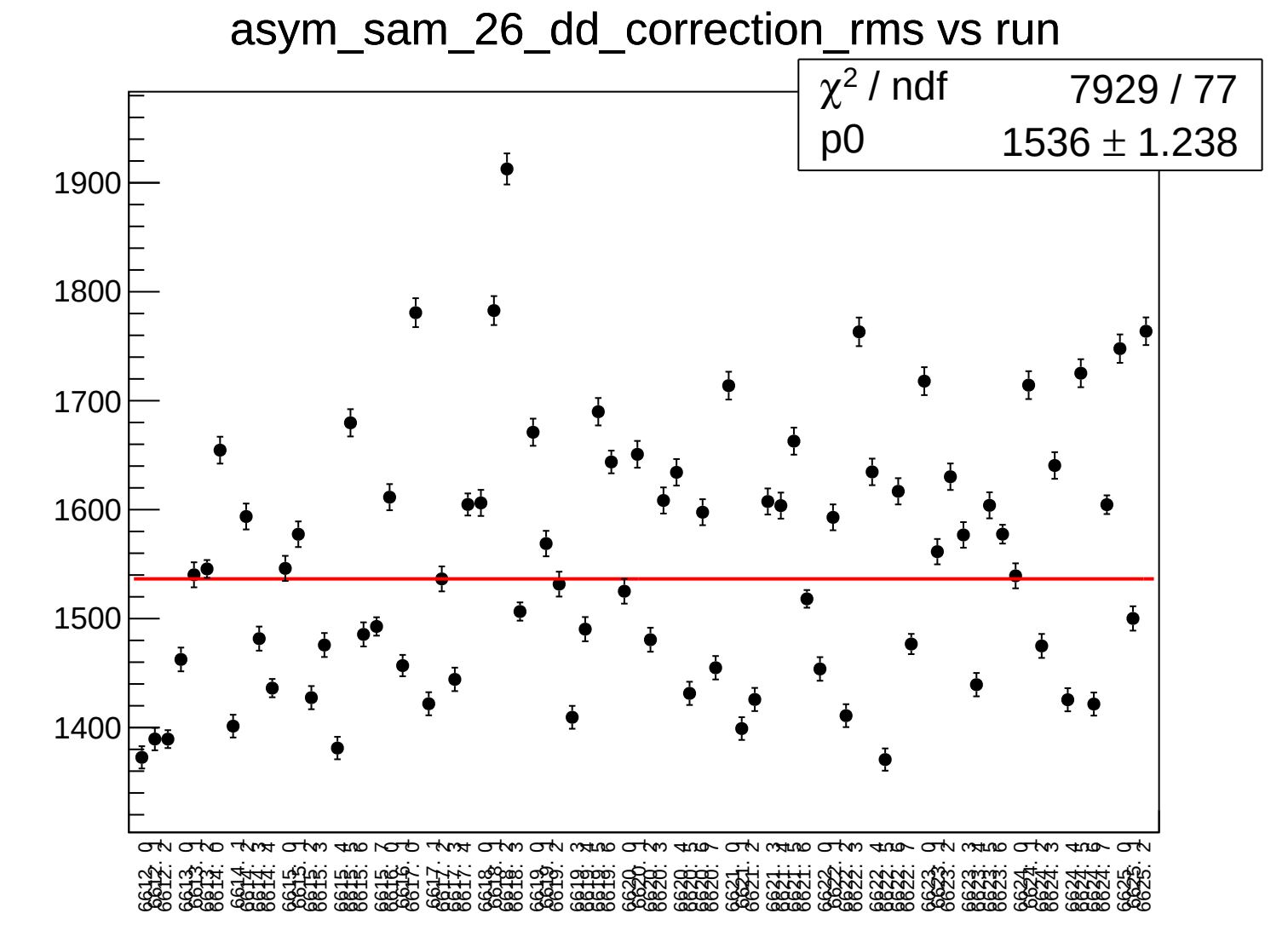

dit_asym_sam_26_dd_mean vs run
χ² / ndf 88.31 / 77
p0 −1.469 ± 242.8
pull
Entries 78
Mean 25.46
Std Dev 88.35

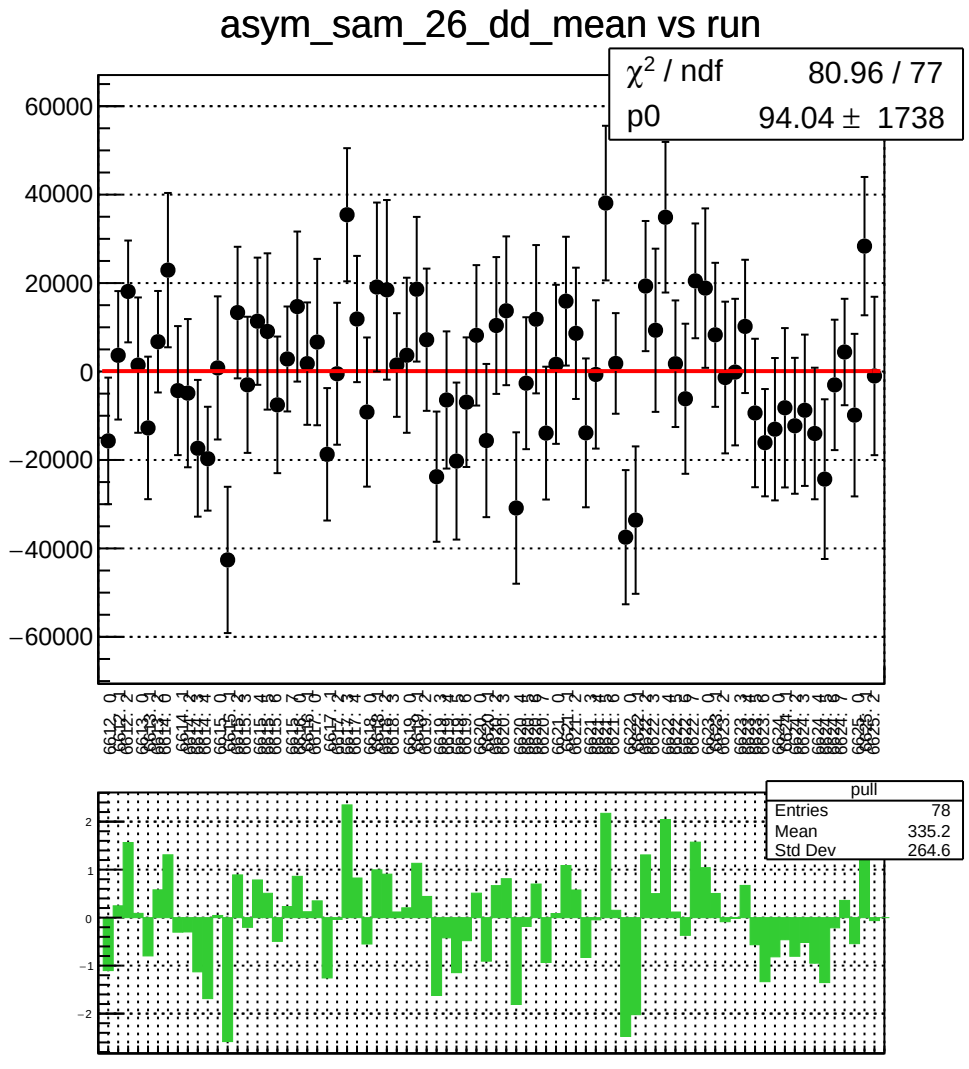

pull1D
Entries 78
Mean −0.005624
Std Dev 1.064

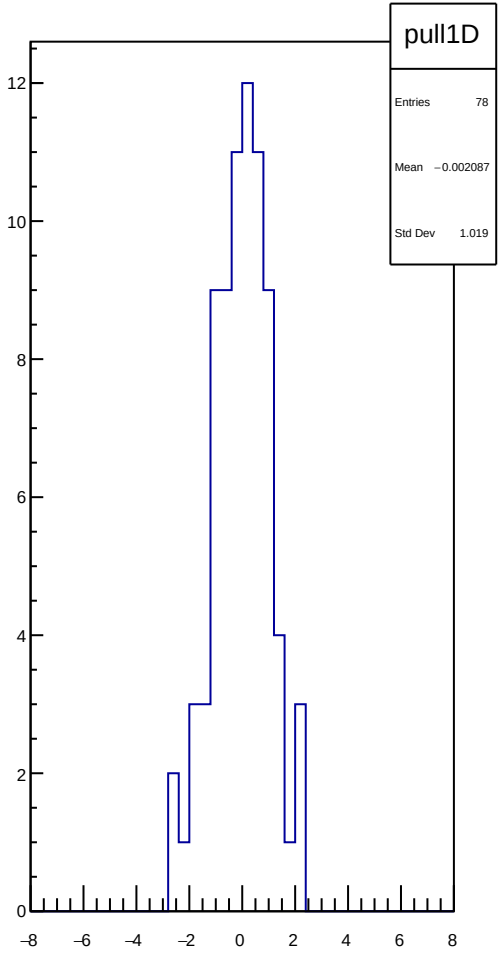

dit_asym_sam_26_dd_rms vs run
χ² / ndf 1268 / 77
p0 213.5 ± 0.1717
230
225
220
215
210
205
200

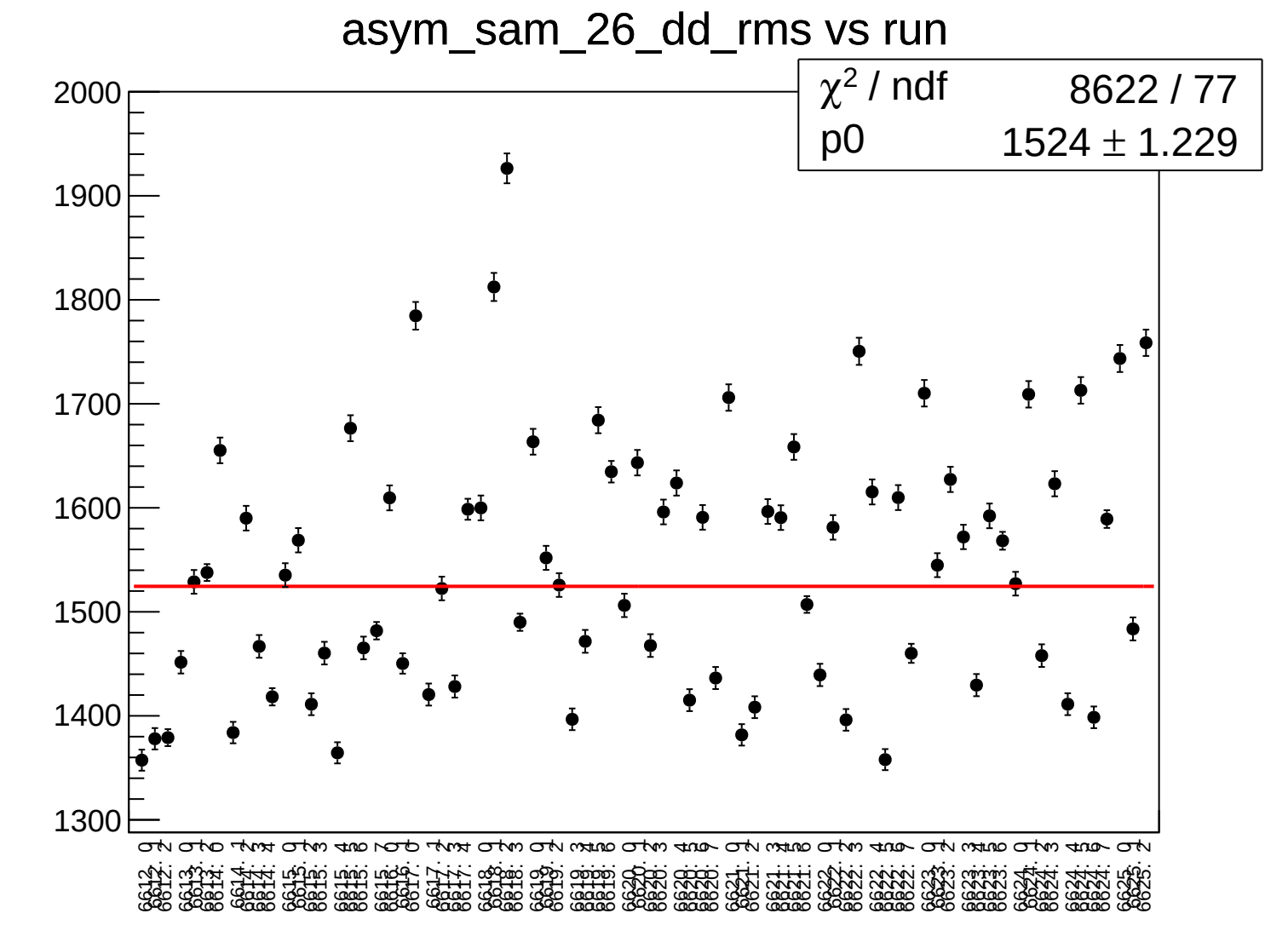

asym_sam_26_dd_correction_mean vs run
χ² / ndf 78.08 / 77
p0 −92.22 ± 1751
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 78
Mean 722.4
Std Dev 649.2
2
1
0
−1
−2

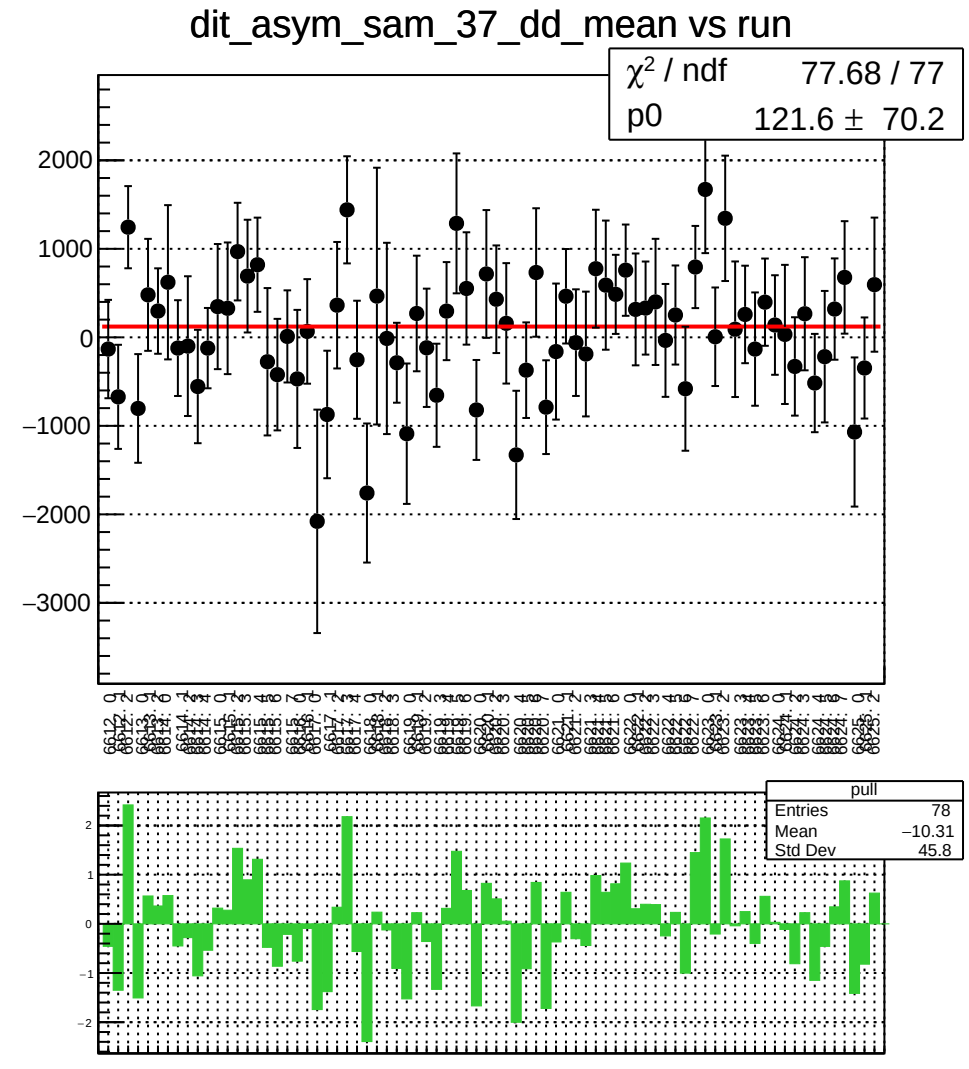

pull1D
Entries 78
Mean 0.0009271
Std Dev 1.001
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

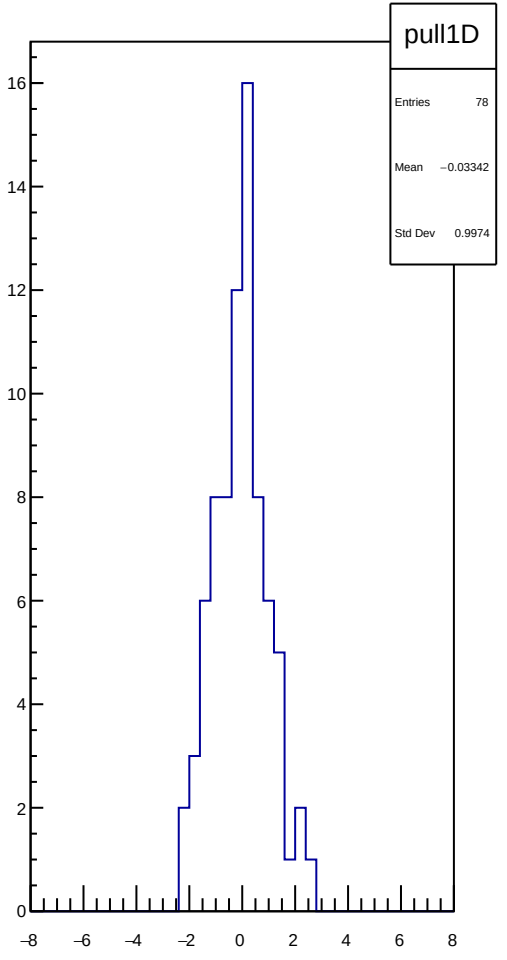

asym_sam_26_dd_correction_rms vs run
χ² / ndf 7929 / 77
p0 1536 ± 1.238
1900
1800
1700
1600
1500
1400

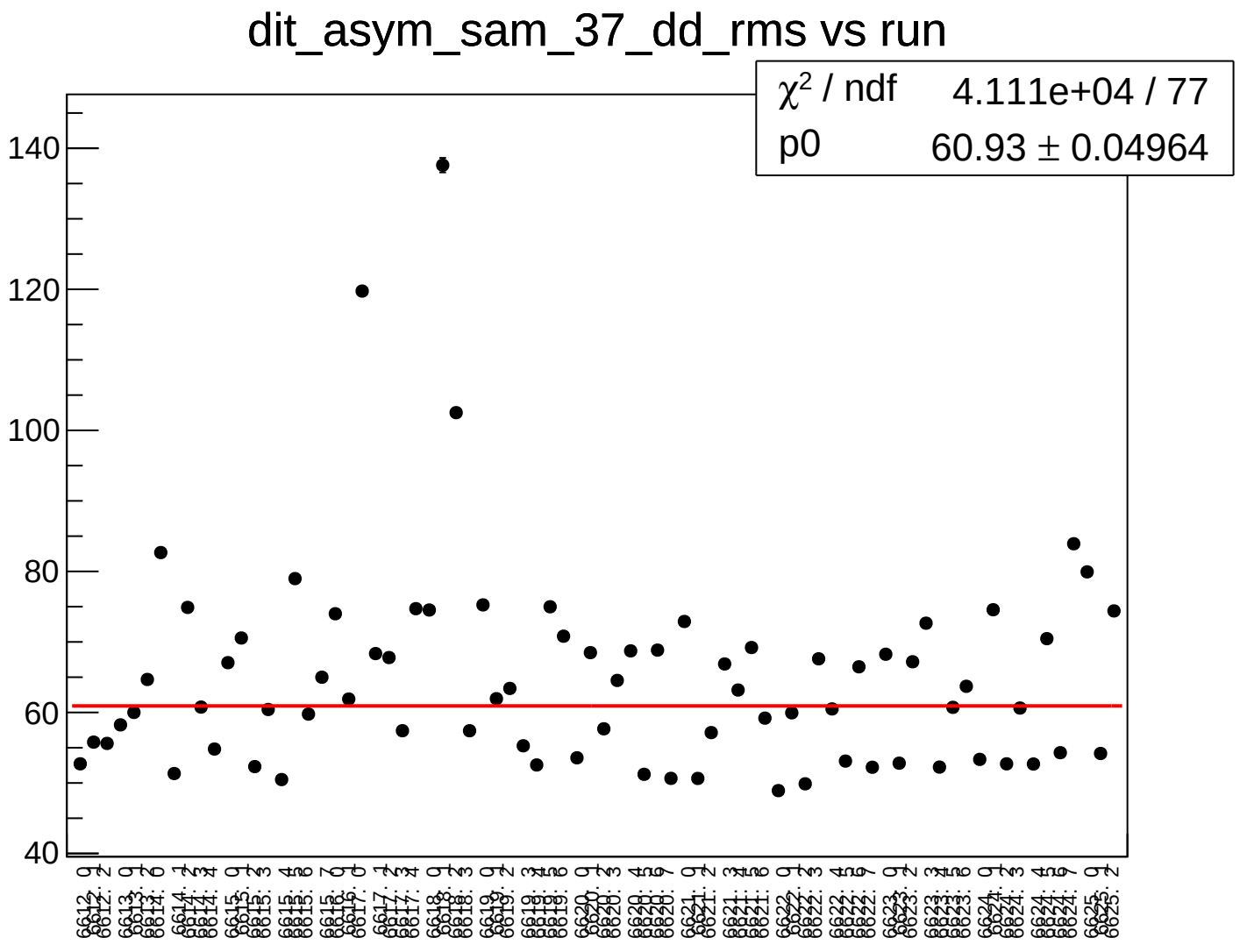

asym_sam_26_dd_mean vs run
χ² / ndf 80.96 / 77
p0 94.04 ± 1738
pull
Entries 78
Mean 335.2
Std Dev 264.6

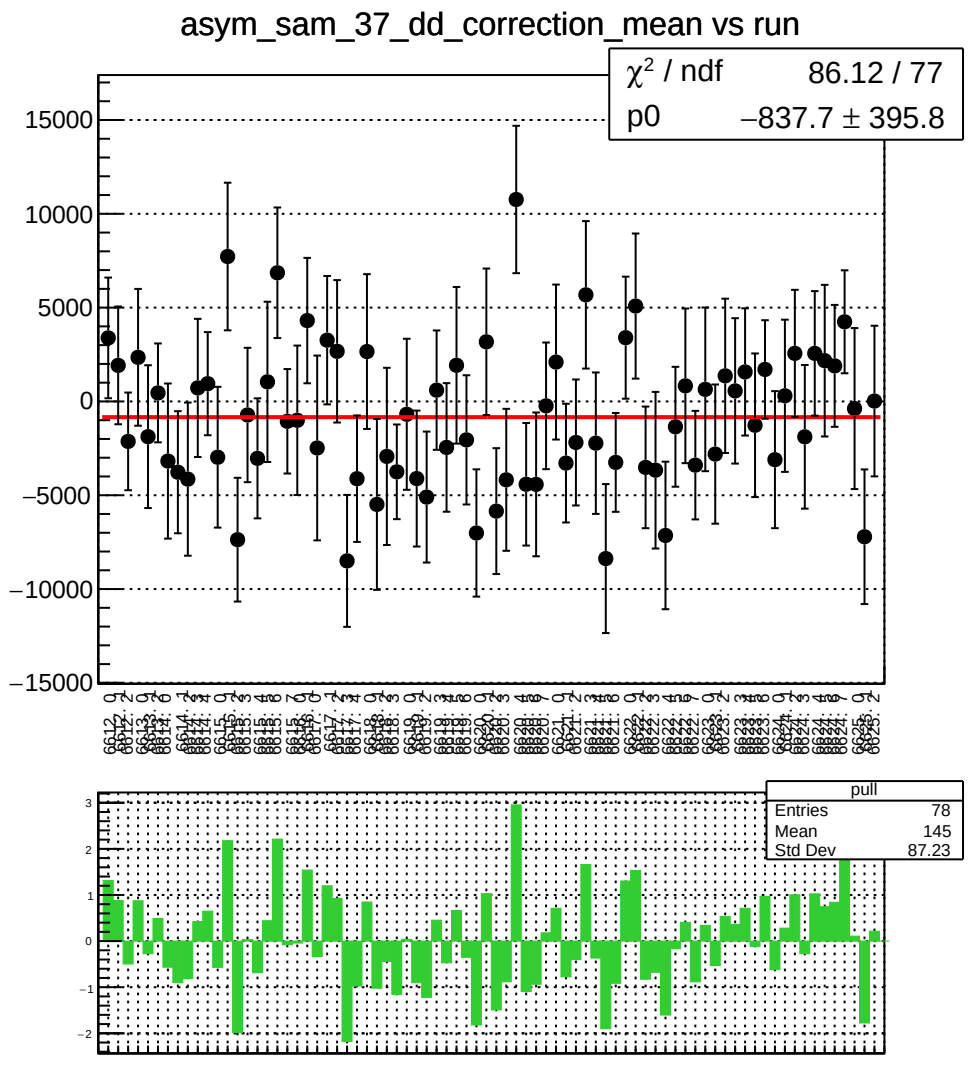

pull1D
Entries 78
Mean −0.002087
Std Dev 1.019

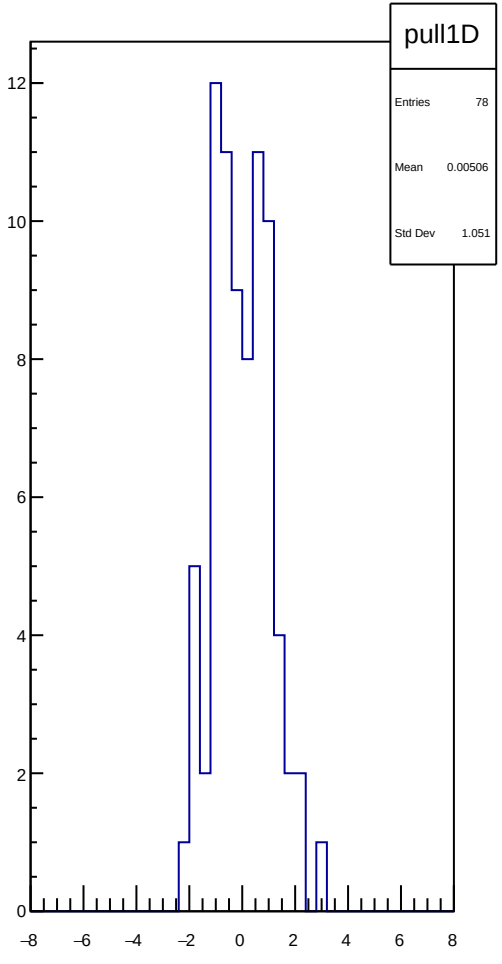

asym_sam_26_dd_rms vs run
χ² / ndf 8622 / 77
p0 1524 ± 1.229
2000
1900
1800
1700
1600
1500
1400
1300

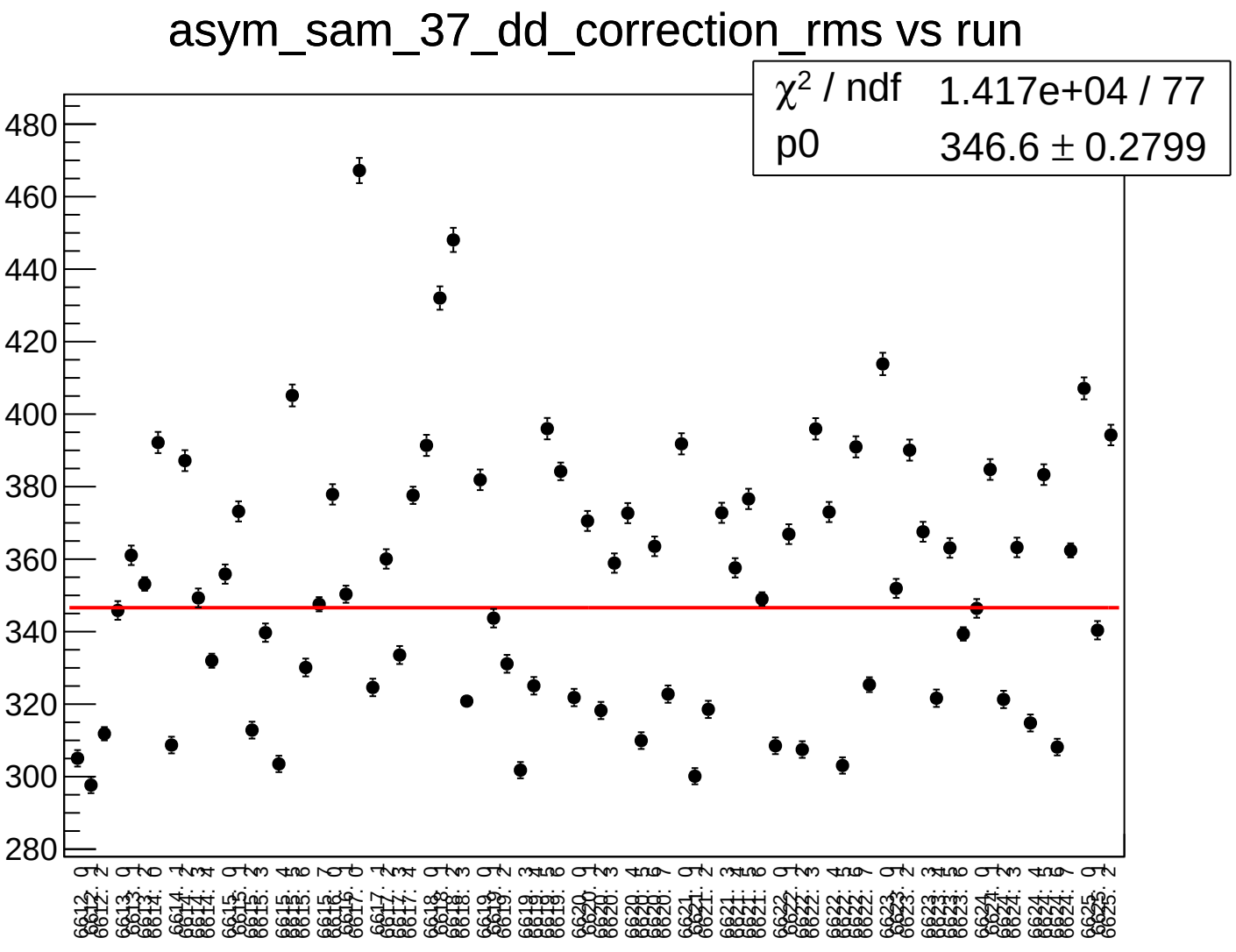

dit_asym_sam_37_dd_mean vs run
χ² / ndf 77.68 / 77
p0 121.6 ± 70.2
2000
1000
0
−1000
−2000
−3000
pull
Entries 78
Mean −10.31
Std Dev 45.8
2
1
0
−1
−2

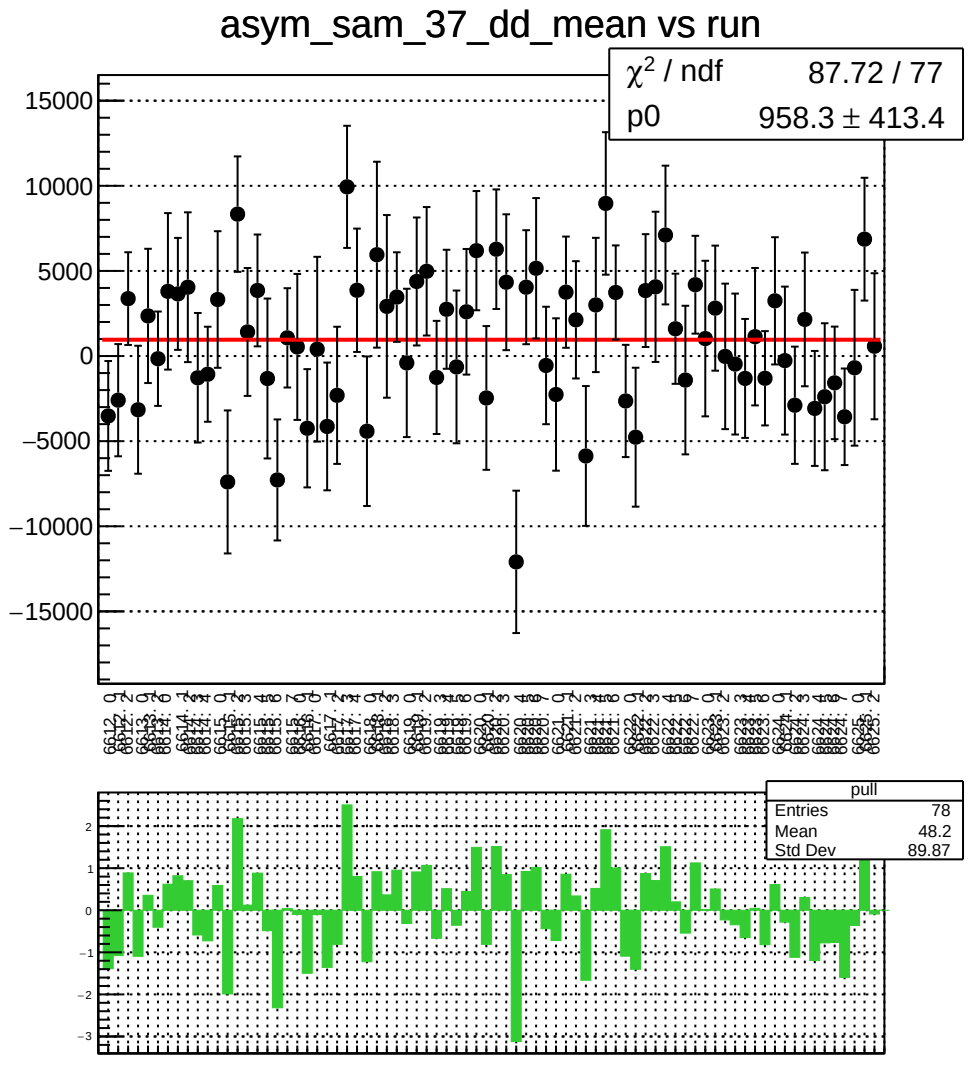

pull1D
Entries 78
Mean −0.03342
Std Dev 0.9974
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

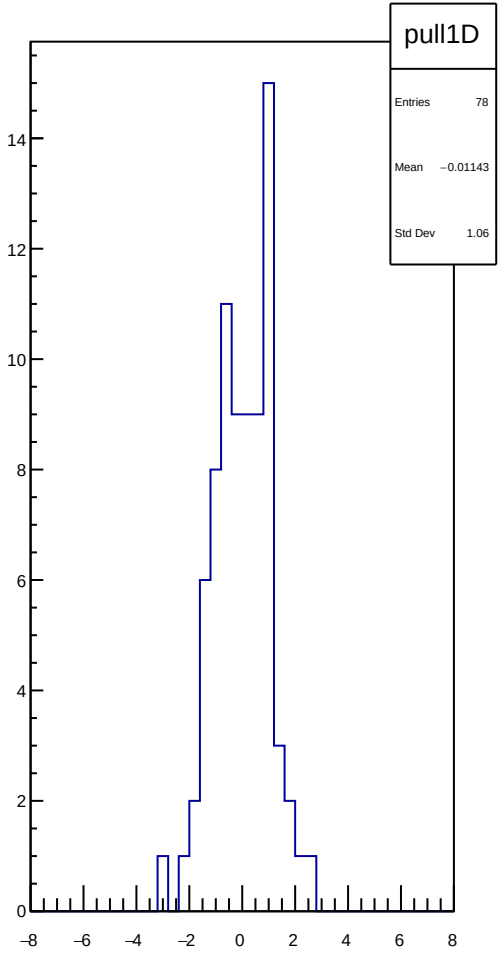

dit_asym_sam_37_dd_rms vs run
χ² / ndf 4.111e+04 / 77
p0 60.93 ± 0.04964
140
120
100
80
60
40

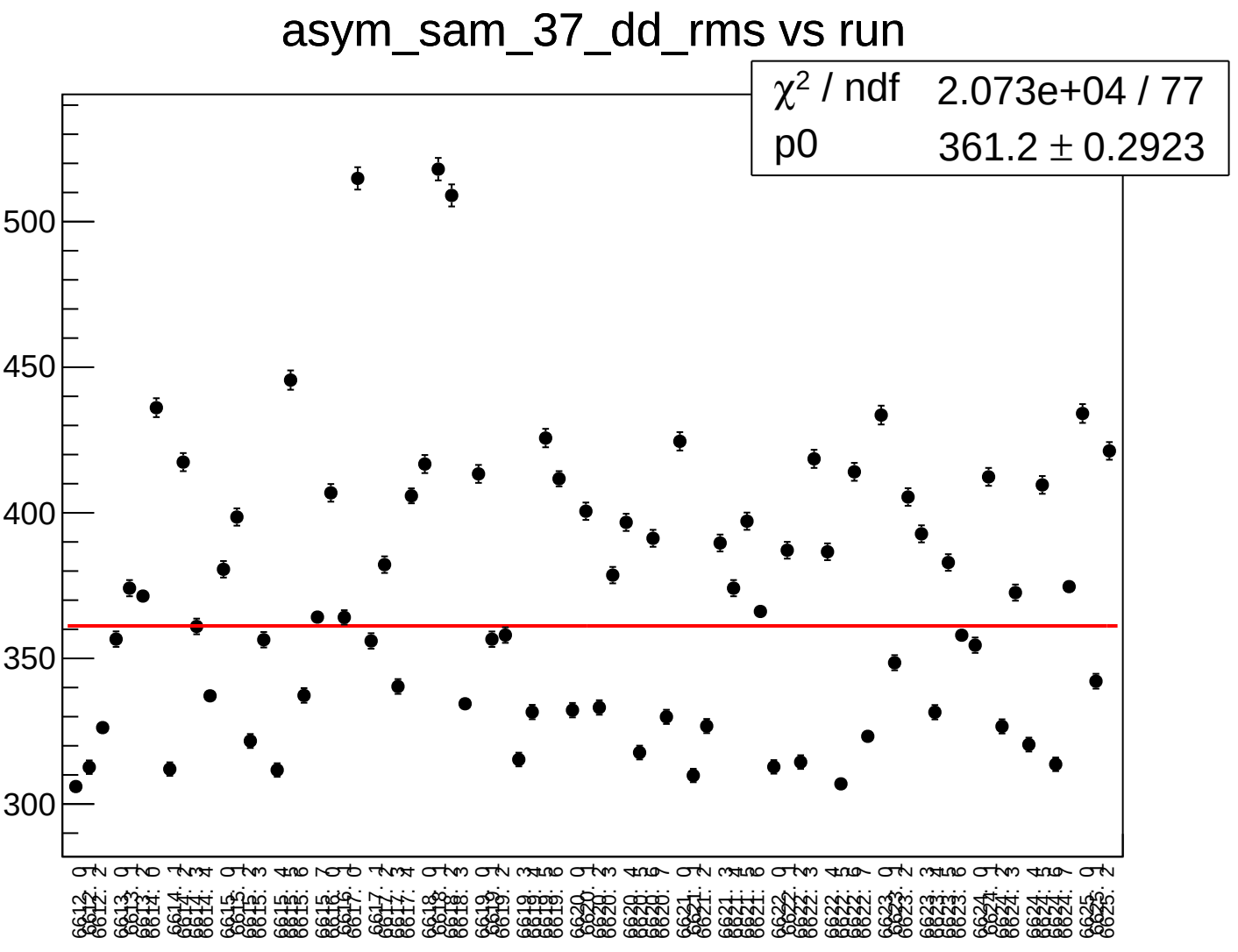

asym_sam_37_dd_correction_mean vs run
χ² / ndf 86.12 / 77
p0 −837.7 ± 395.8
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 78
Mean 145
Std Dev 87.23
3
2
1
0
−1
−2

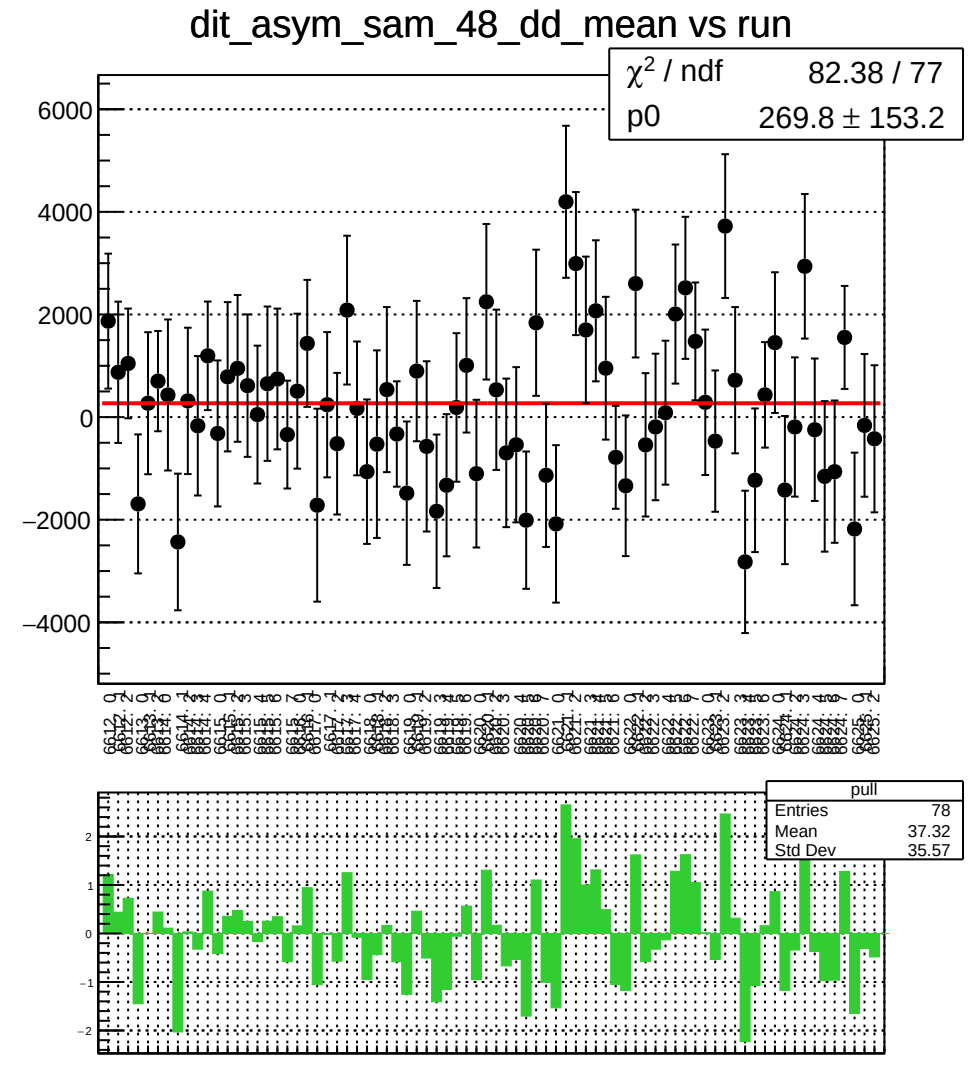

pull1D
Entries 78
Mean 0.00506
Std Dev 1.051
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

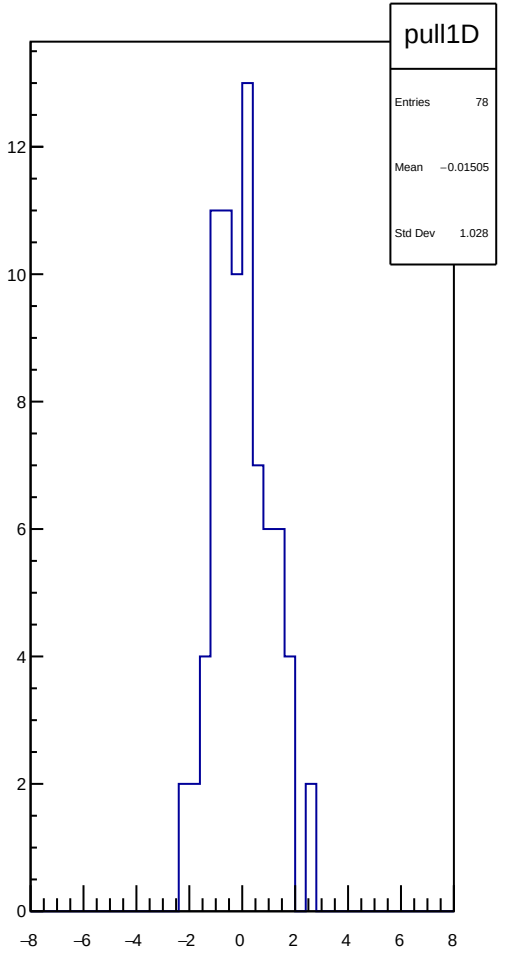

asym_sam_37_dd_correction_rms vs run
χ² / ndf 1.417e+04 / 77
p0 346.6 ± 0.2799
480
460
440
420
400
380
360
340
320
300
280

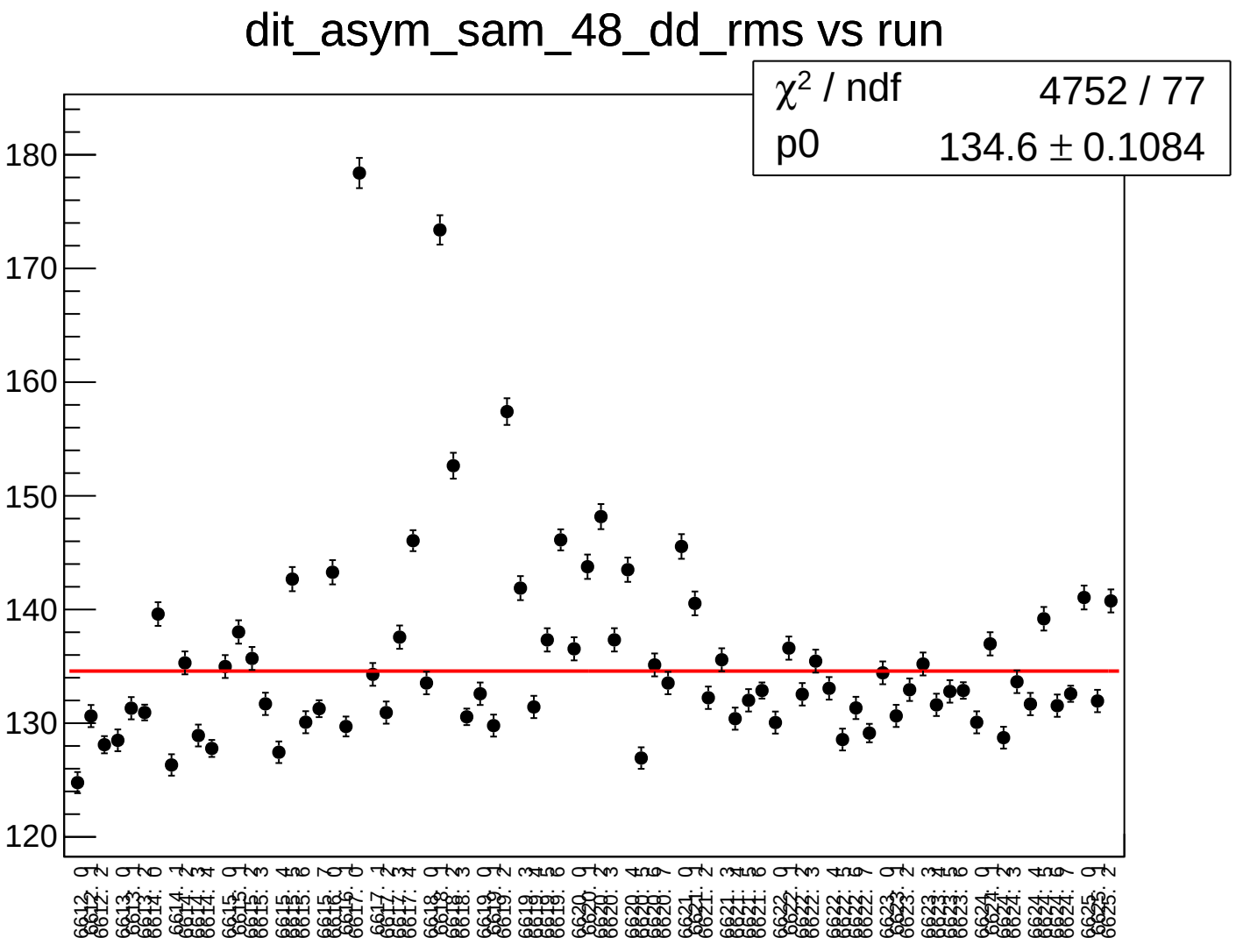

asym_sam_37_dd_mean vs run
χ² / ndf 87.72 / 77
p0 958.3 ± 413.4
pull
Entries 78
Mean 48.2
Std Dev 89.87

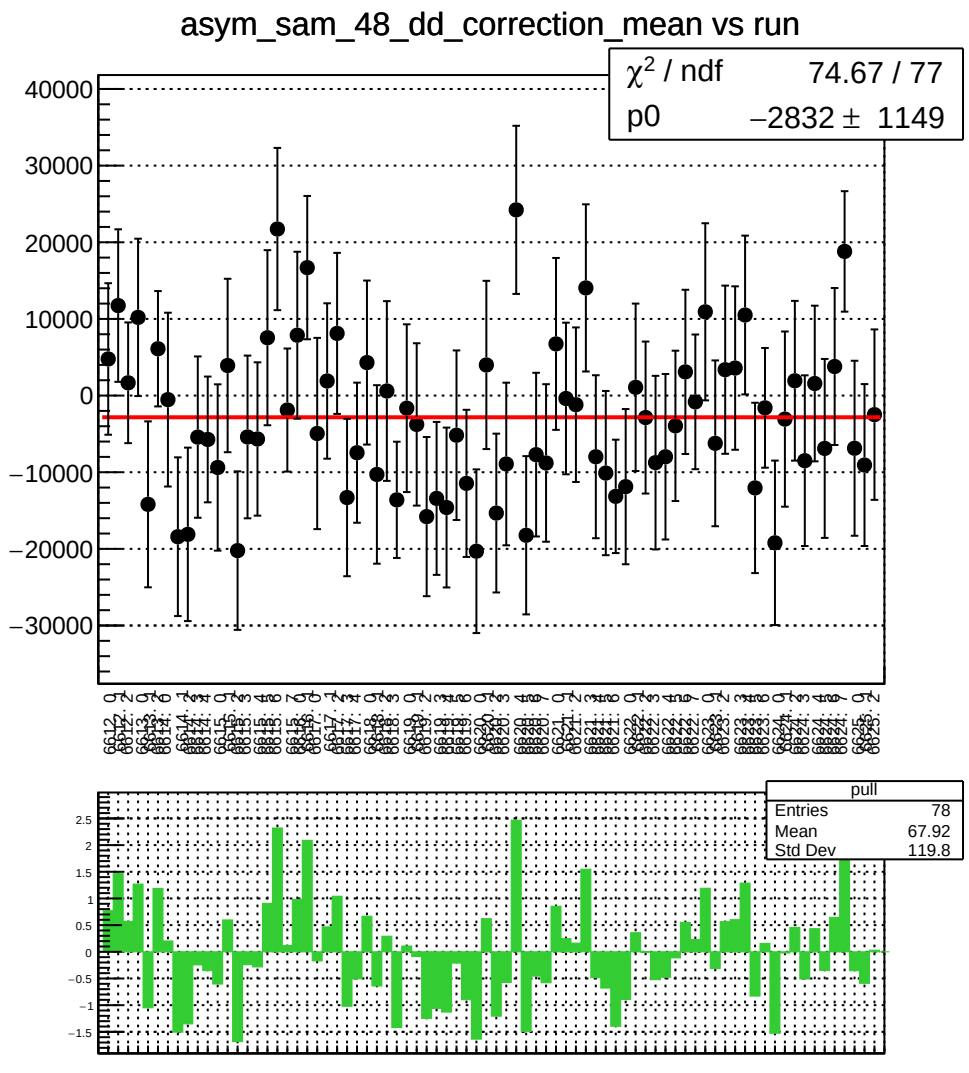

pull1D
Entries 78
Mean −0.01143
Std Dev 1.06

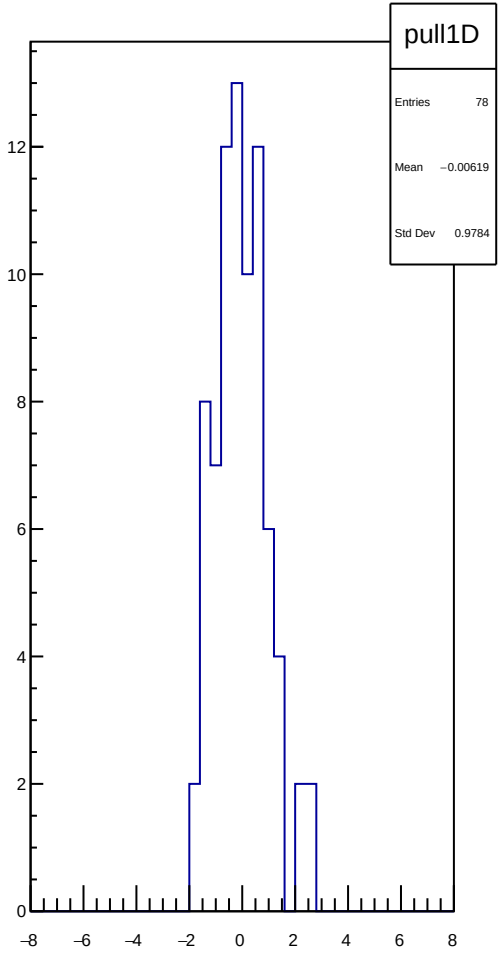

asym_sam_37_dd_rms vs run
χ² / ndf 2.073e+04 / 77
p0 361.2 ± 0.2923
500
450
400
350
300

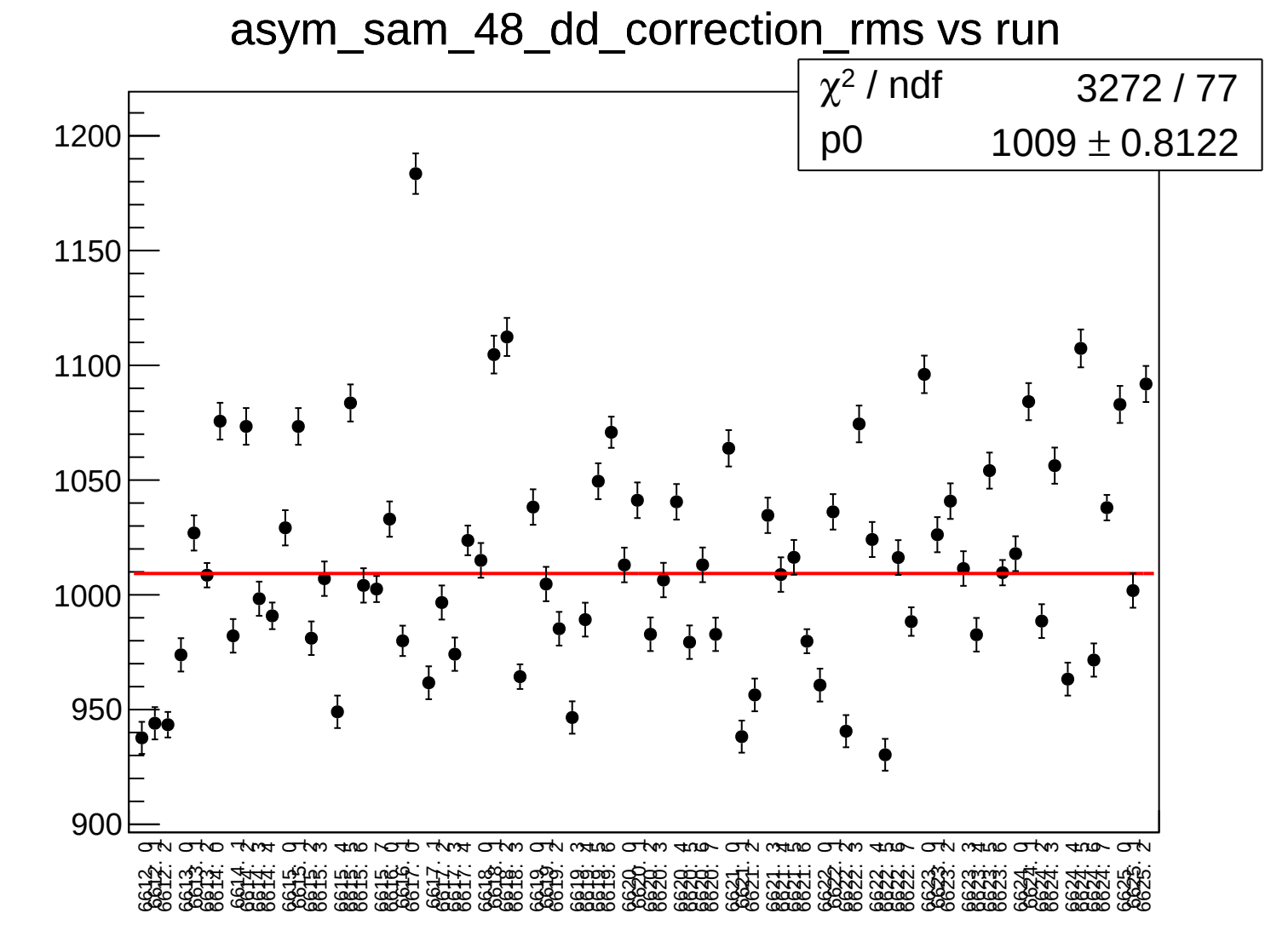

dit_asym_sam_48_dd_mean vs run
χ² / ndf 82.38 / 77
p0 269.8 ± 153.2
6000
4000
2000
0
−2000
−4000
pull
Entries 78
Mean 37.32
Std Dev 35.57
2
1
0
−1
−2

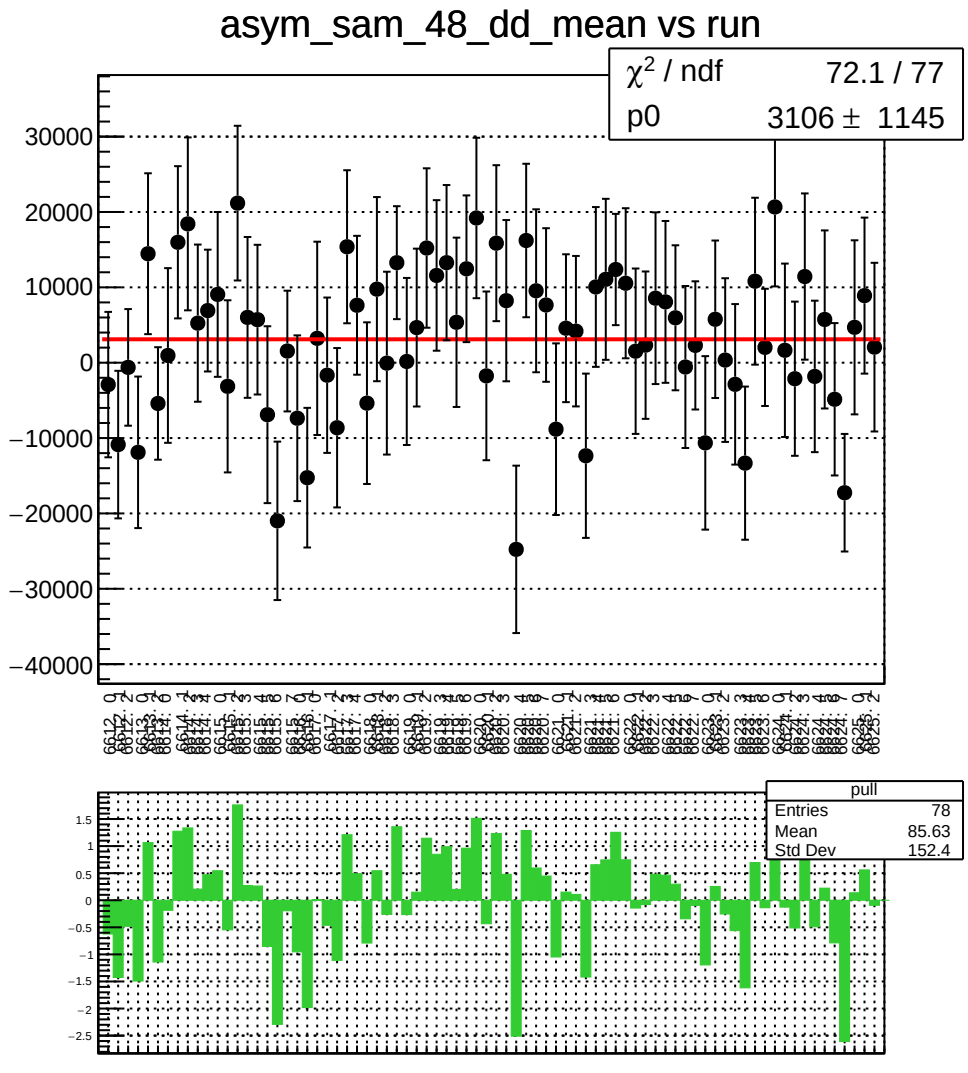

pull1D
Entries 78
Mean −0.01505
Std Dev 1.028
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

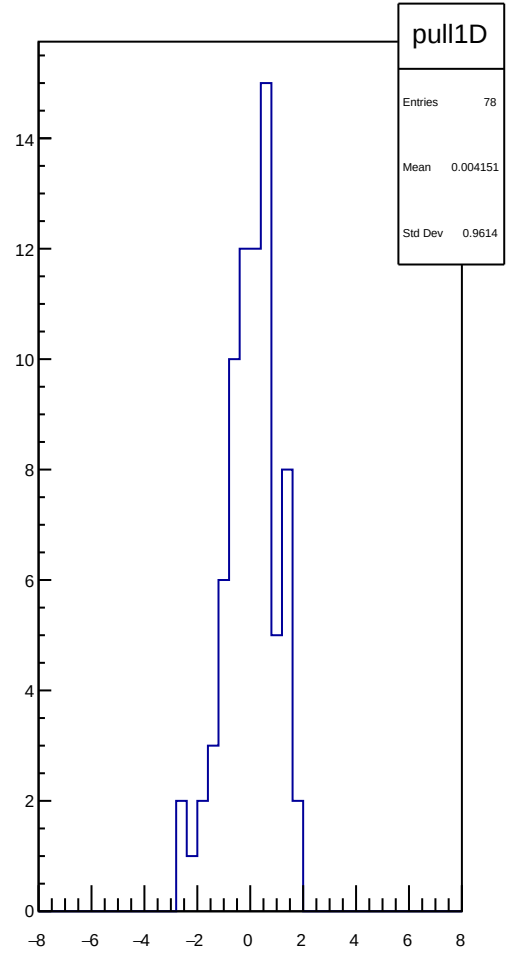

dit_asym_sam_48_dd_rms vs run
χ² / ndf 4752 / 77
p0 134.6 ± 0.1084
180
170
160
150
140
130
120

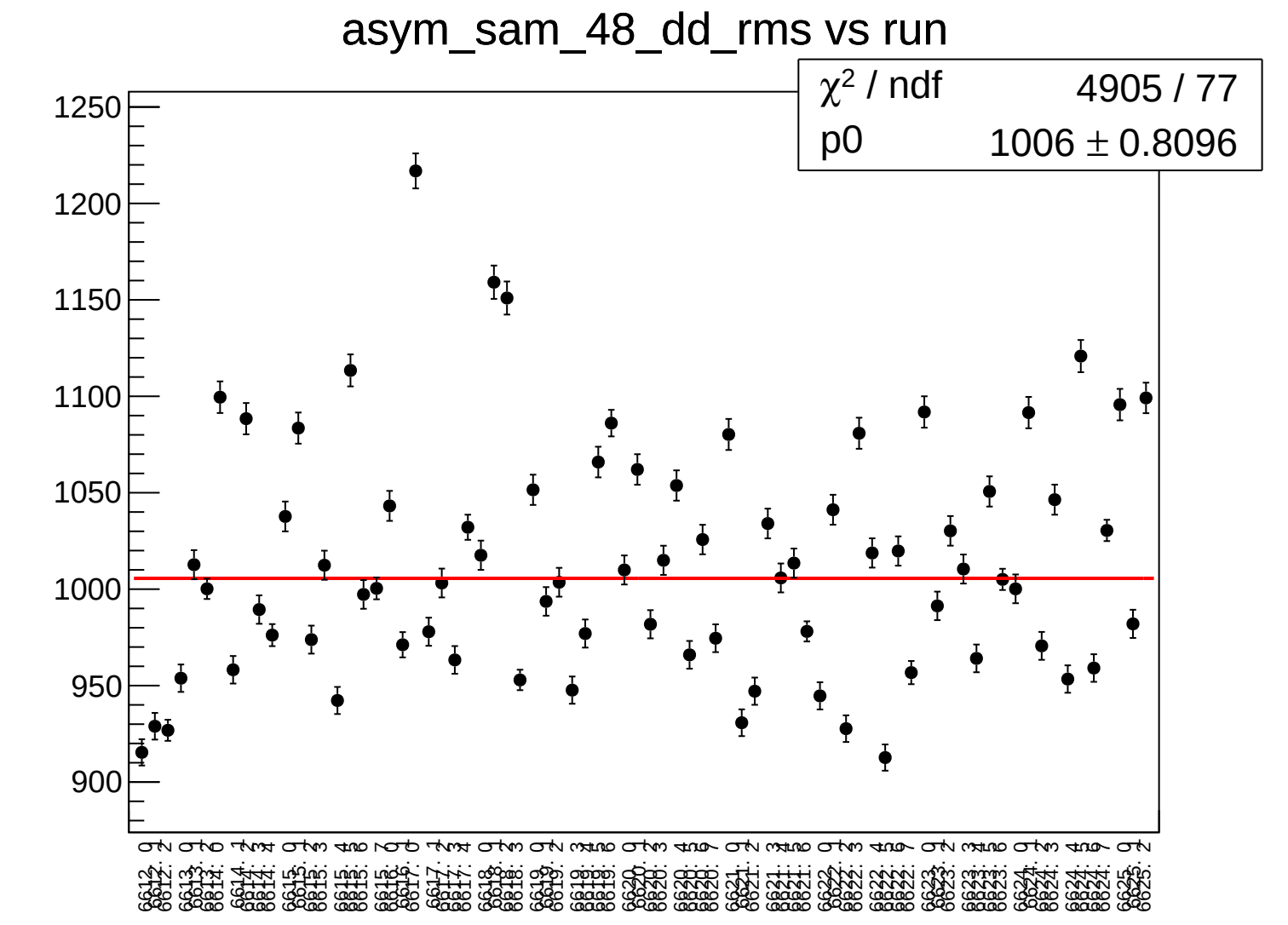

asym_sam_48_dd_correction_mean vs run
χ² / ndf 74.67 / 77
p0 −2832 ± 1149
pull
Entries 78
Mean 67.92
Std Dev 119.8

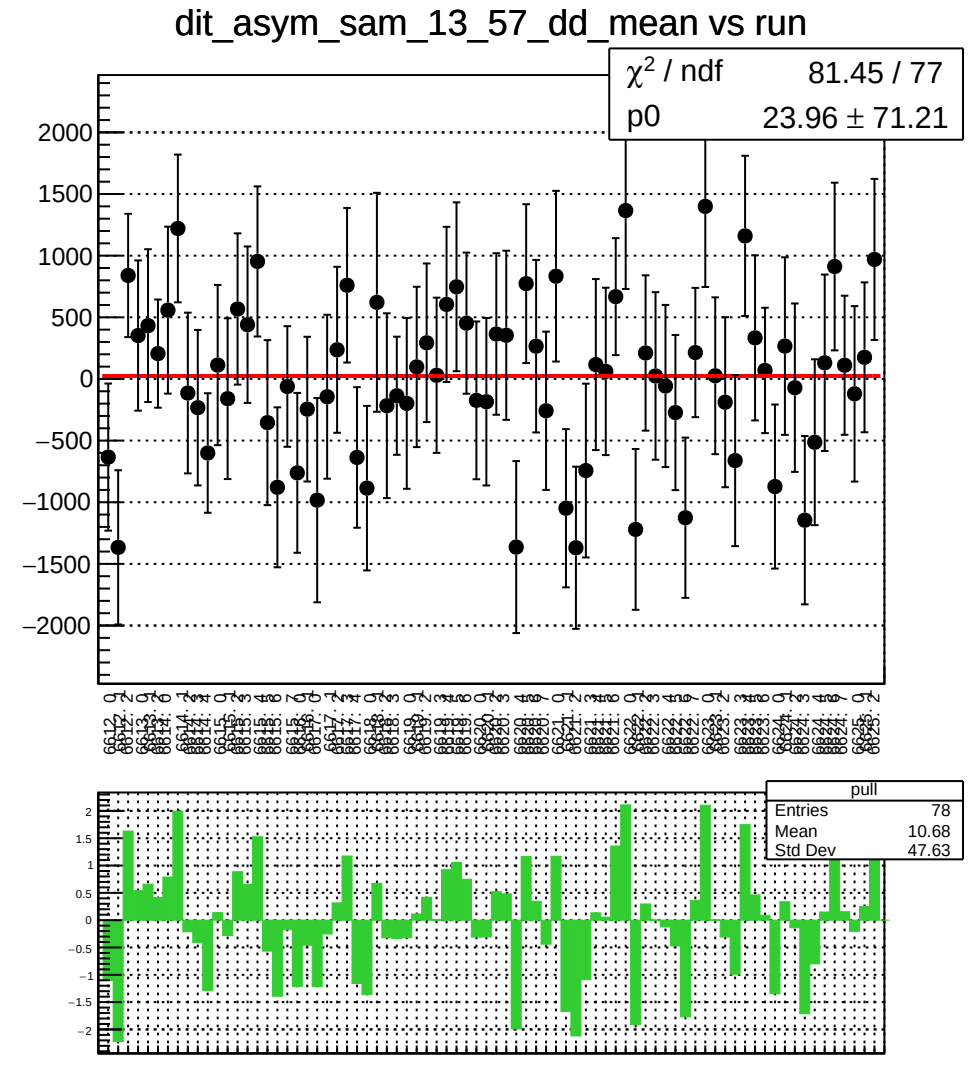

pull1D
Entries 78
Mean −0.00619
Std Dev 0.9784

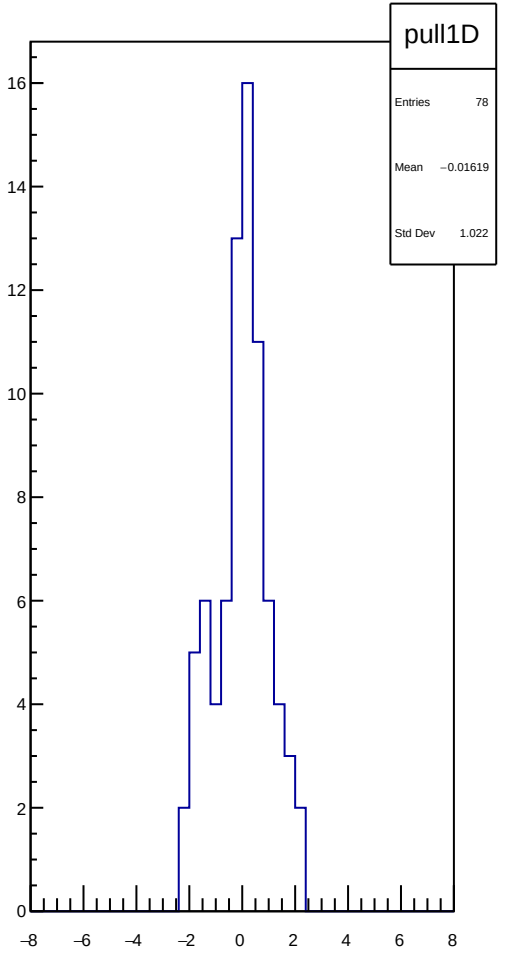

asym_sam_48_dd_correction_rms vs run
χ² / ndf 3272 / 77
p0 1009 ± 0.8122
1200
1150
1100
1050
1000
950
900

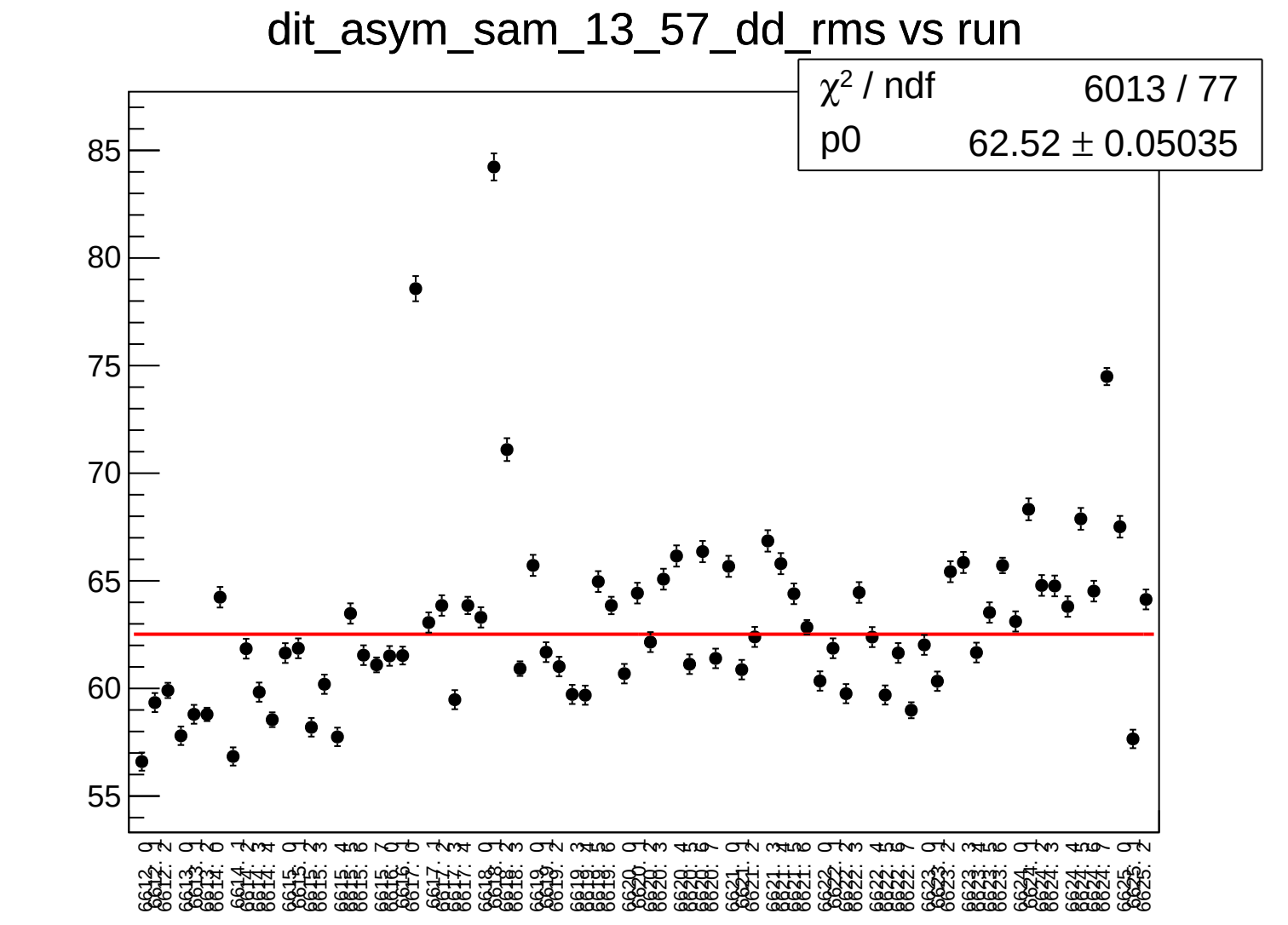

asym_sam_48_dd_mean vs run
χ² / ndf 72.1 / 77
p0 3106 ± 1145
pull
Entries 78
Mean 85.63
Std Dev 152.4

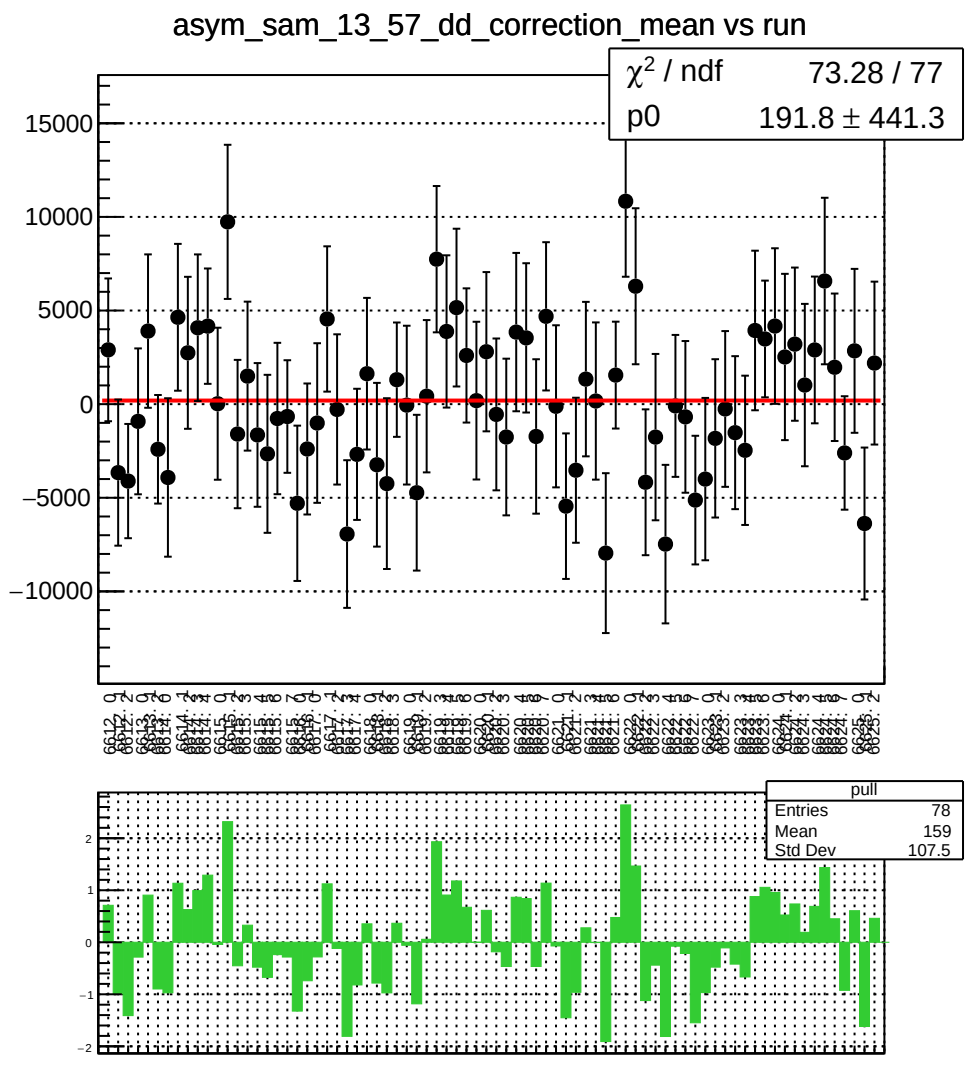

pull1D
Entries 78
Mean 0.004151
Std Dev 0.9614

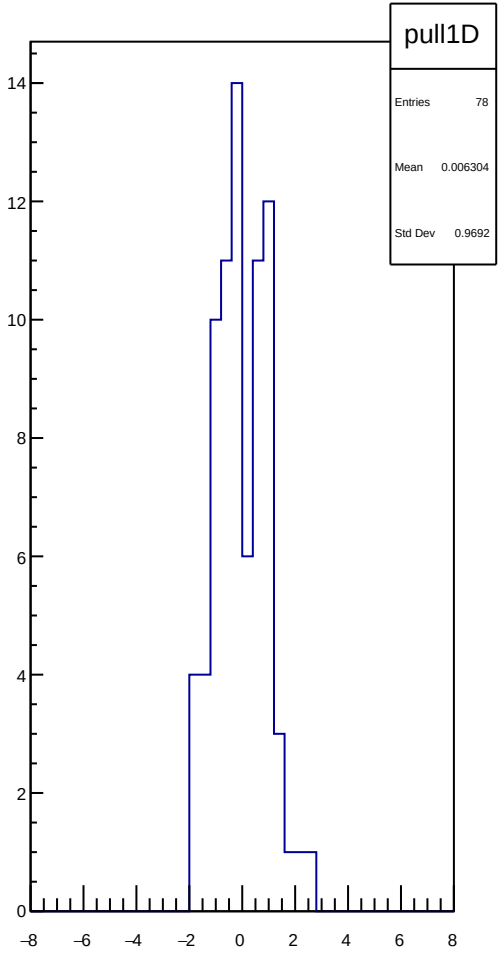

asym_sam_48_dd_rms vs run
χ² / ndf 4905 / 77
p0 1006 ± 0.8096
1250
1200
1150
1100
1050
1000
950
900

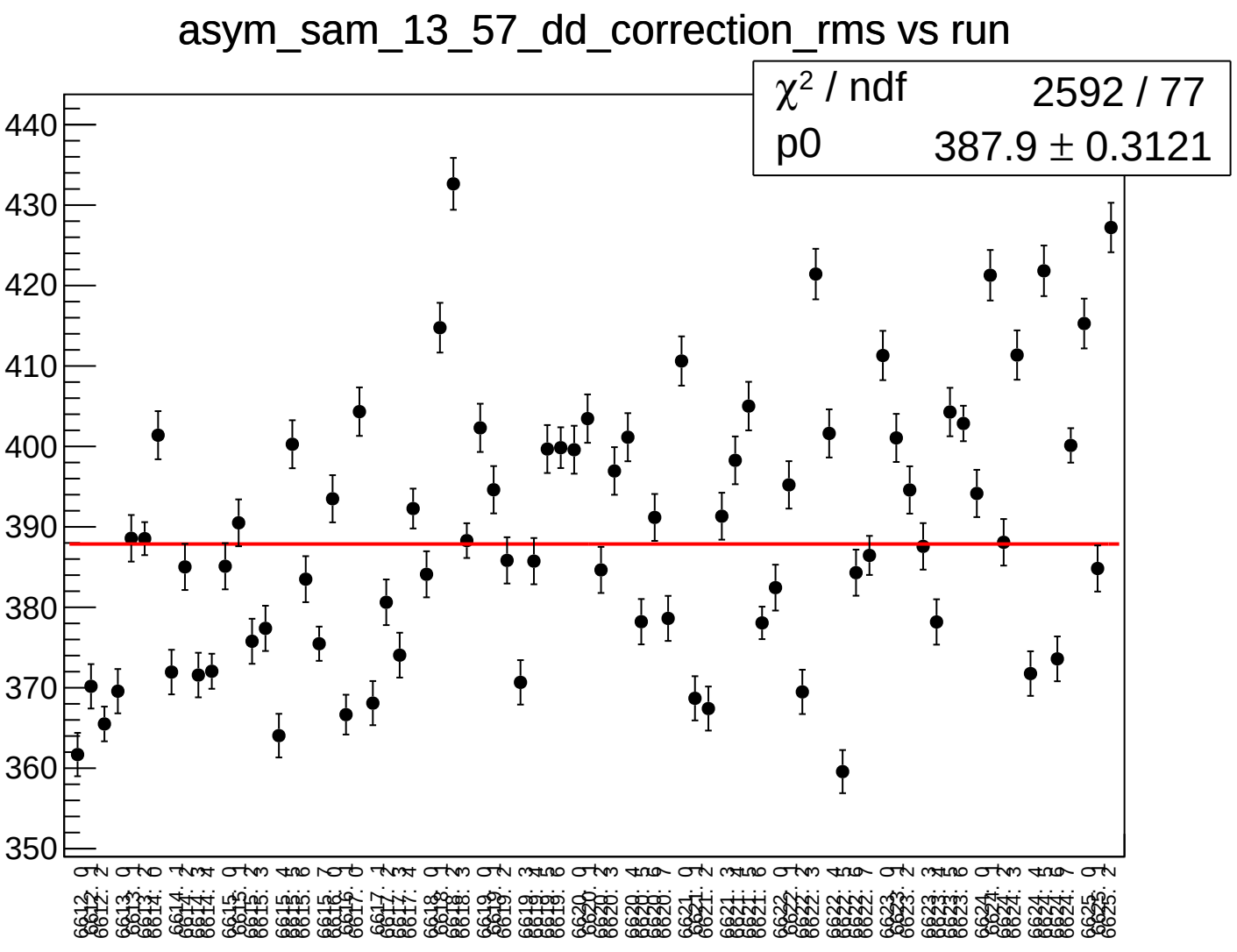

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 81.45 / 77
p0 23.96 ± 71.21
pull
Entries 78
Mean 10.68
Std Dev 47.63

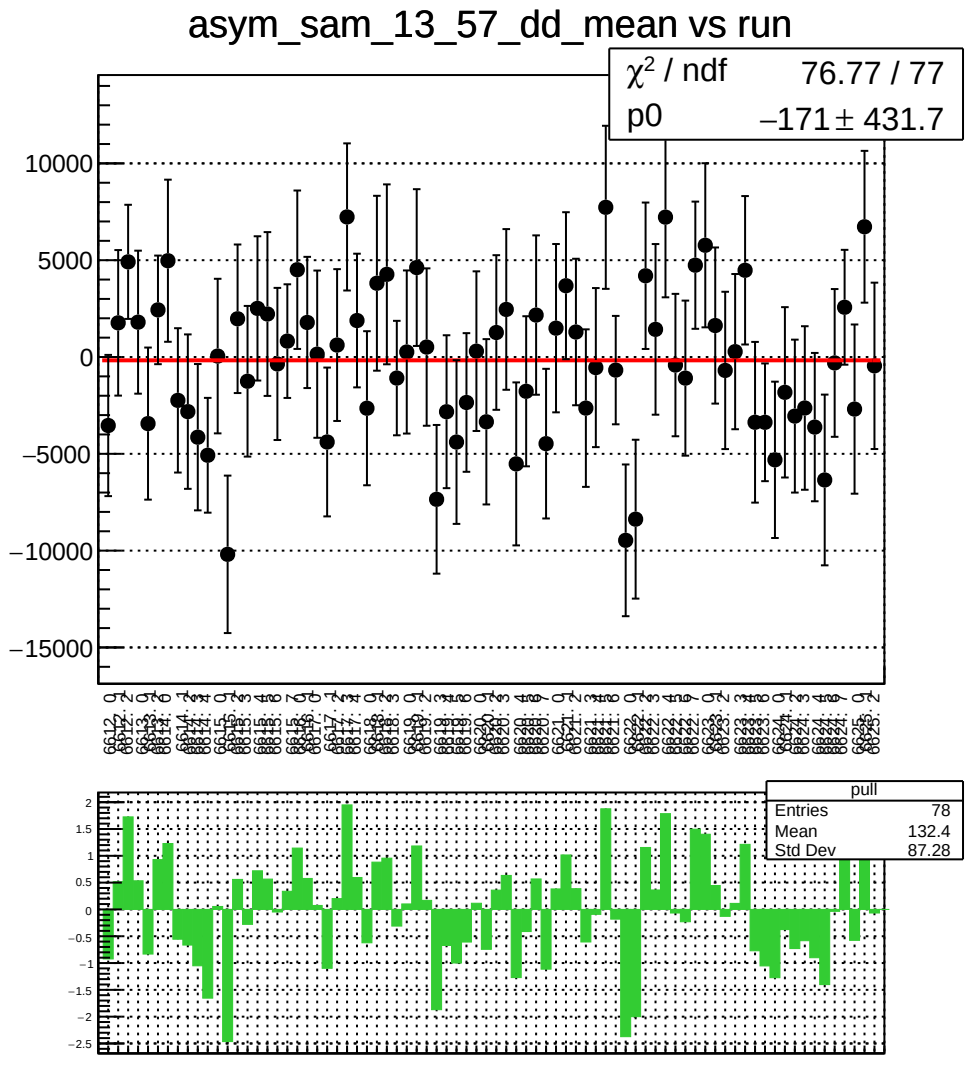

pull1D
Entries 78
Mean −0.01619
Std Dev 1.022

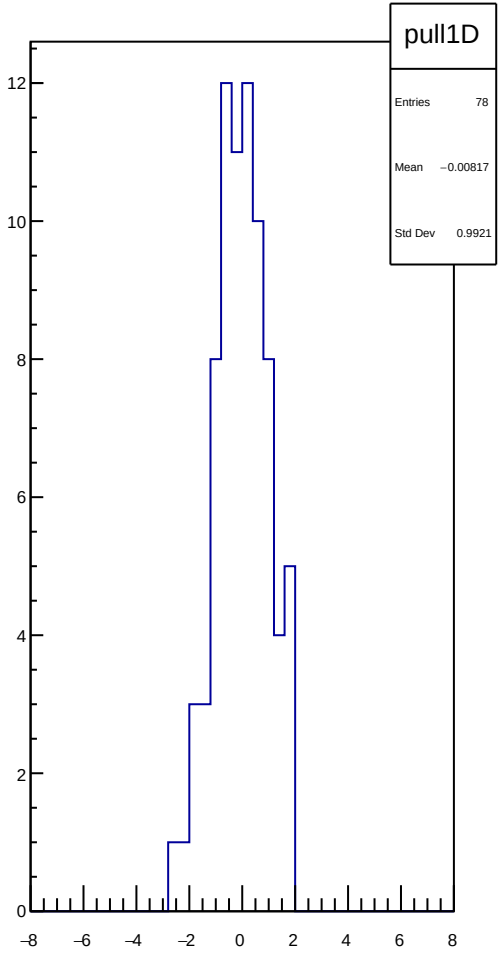

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 6013 / 77
p0 62.52 ± 0.05035
85
80
75
70
65
60
55

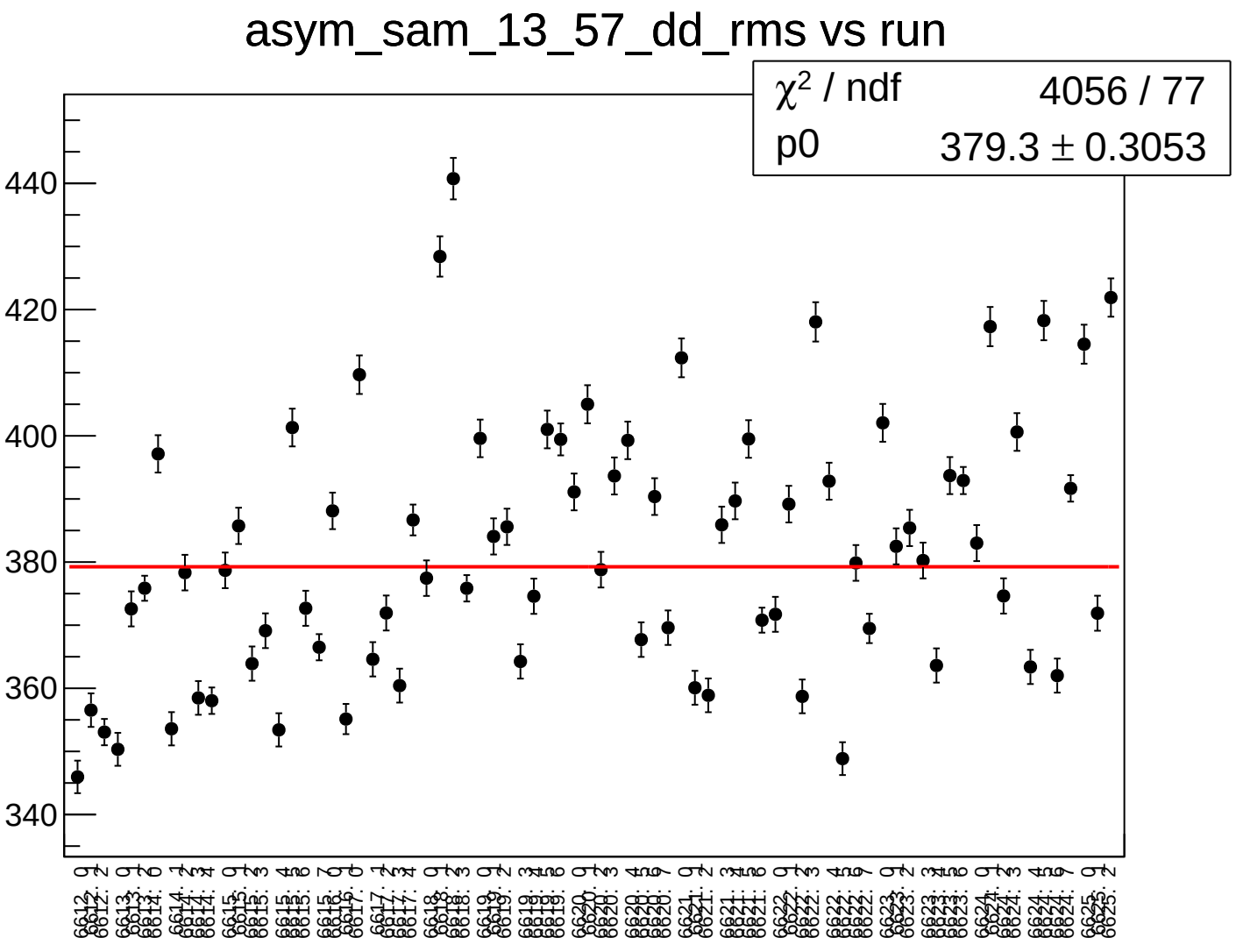

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 73.28 / 77
p0 191.8 ± 441.3
15000
10000
5000
0
−5000
−10000
pull
Entries 78
Mean 159
Std Dev 107.5
2
1
0
−1
−2

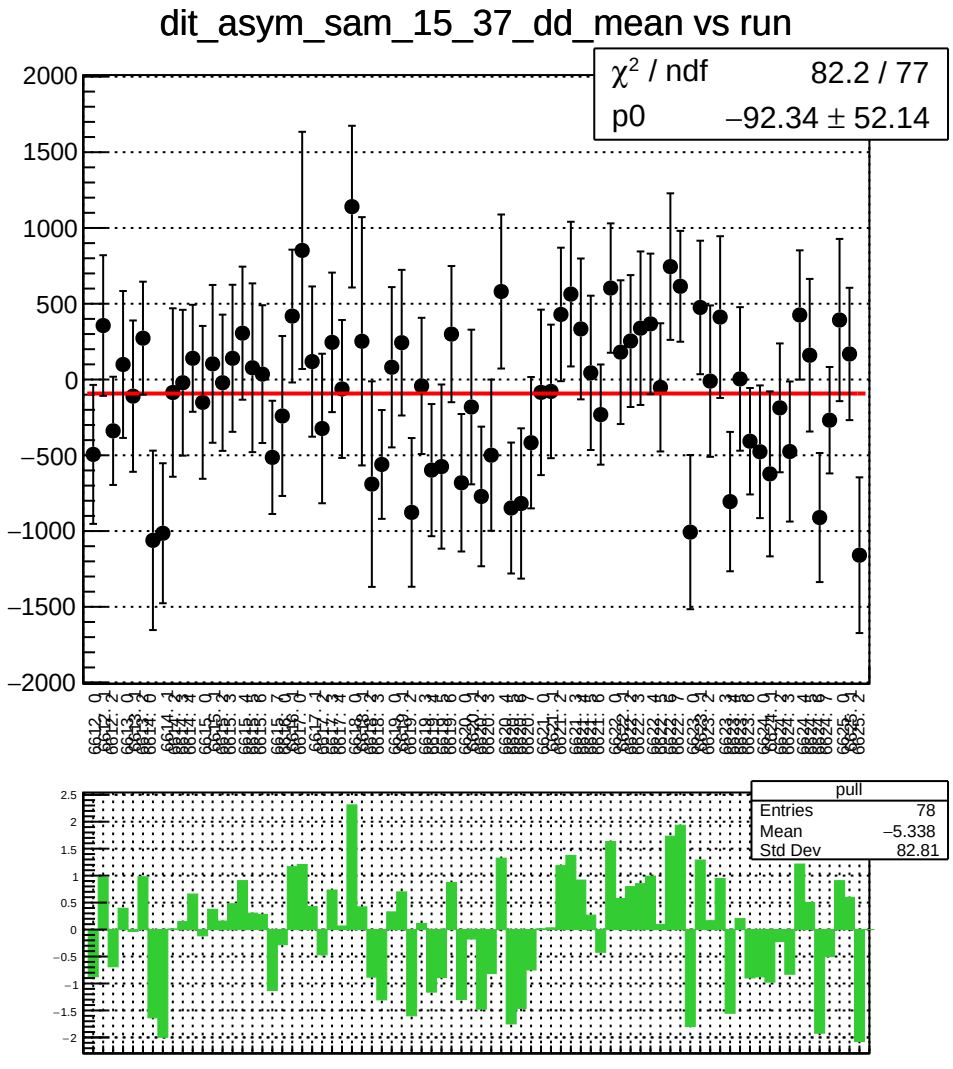

pull1D
Entries 78
Mean 0.006304
Std Dev 0.9692
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

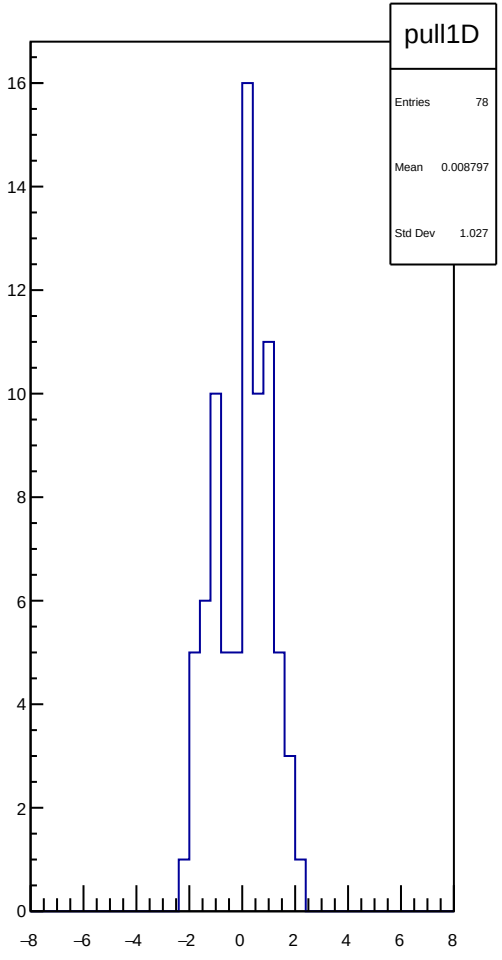

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 2592 / 77
p0 387.9 ± 0.3121
440
430
420
410
400
390
380
370
360
350

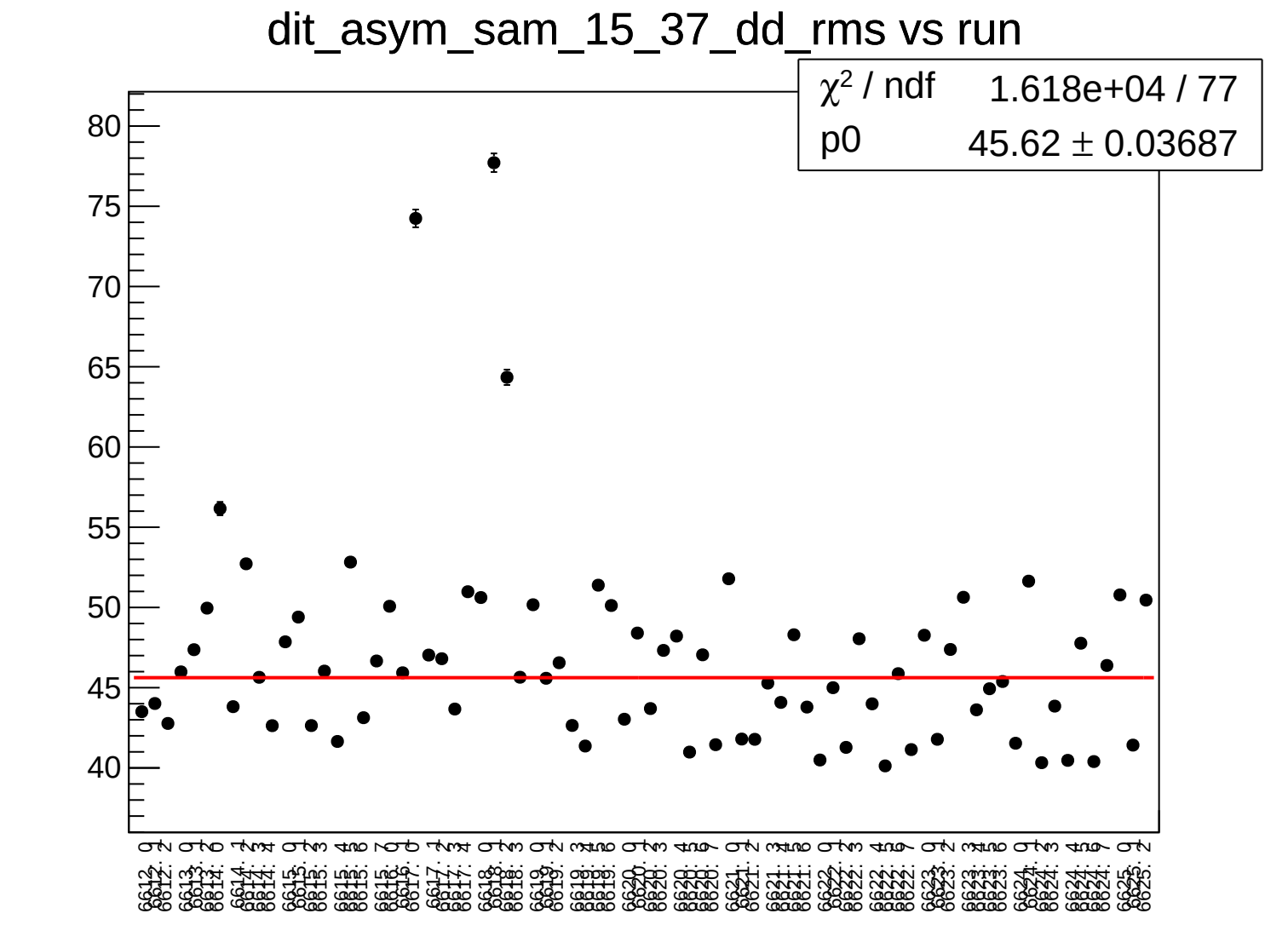

asym_sam_13_57_dd_mean vs run
χ² / ndf 76.77 / 77
p0 −171 ± 431.7
10000
5000
0
−5000
−10000
−15000
pull
Entries 78
Mean 132.4
Std Dev 87.28
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

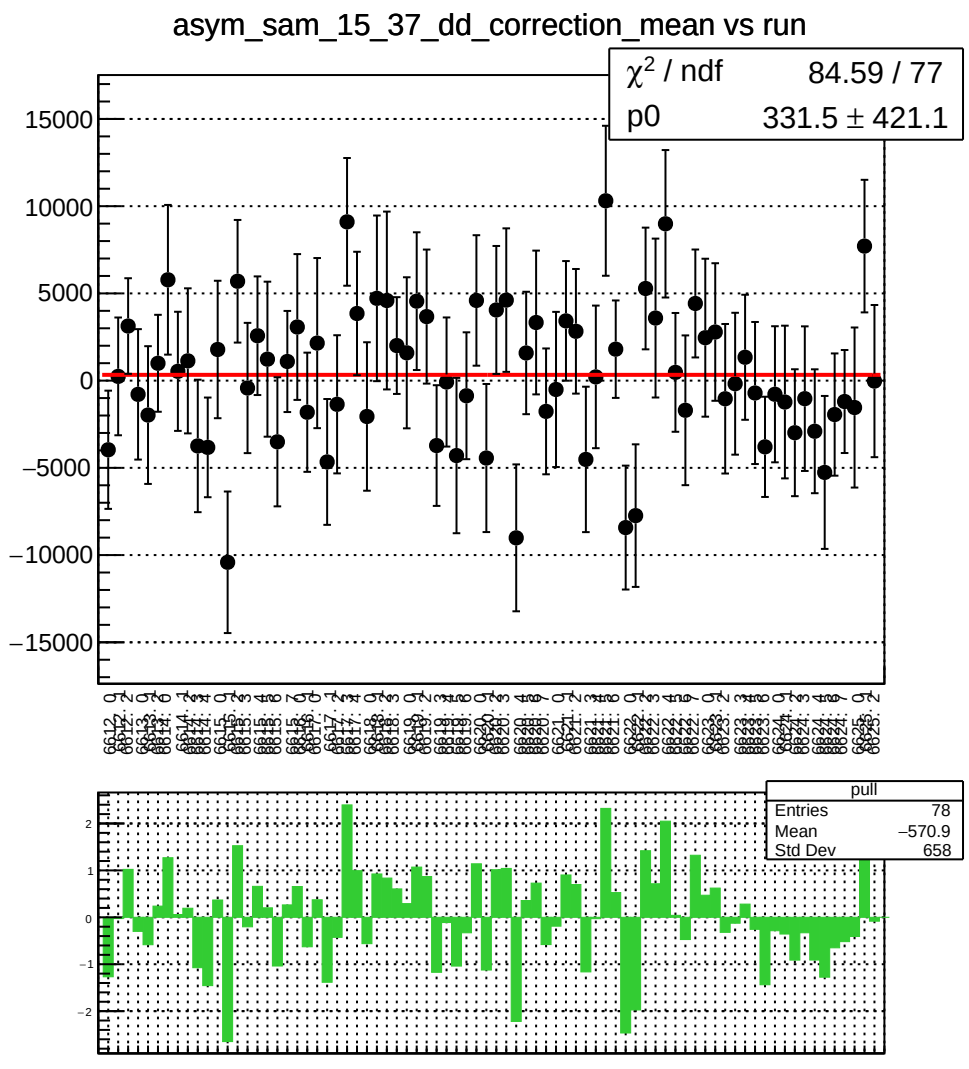

pull1D
Entries 78
Mean −0.00817
Std Dev 0.9921
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

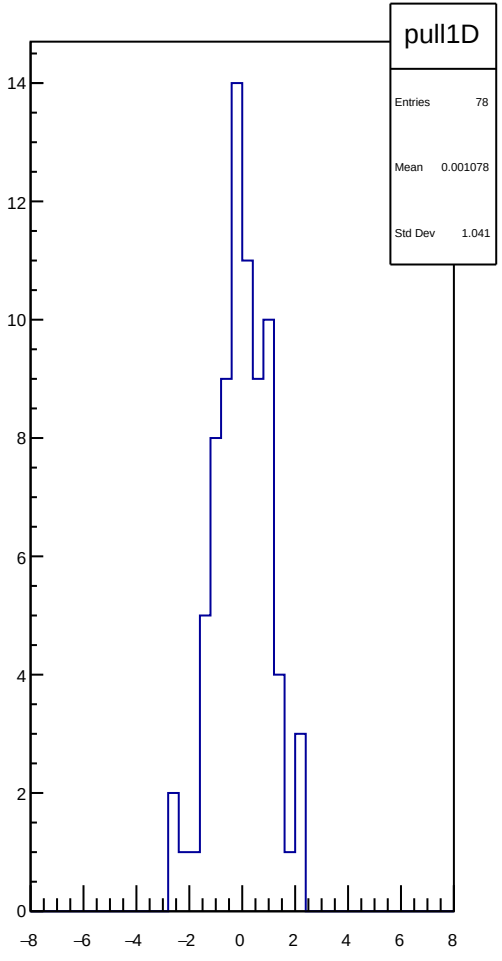

asym_sam_13_57_dd_rms vs run
χ² / ndf 4056 / 77
p0 379.3 ± 0.3053
440
420
400
380
360
340

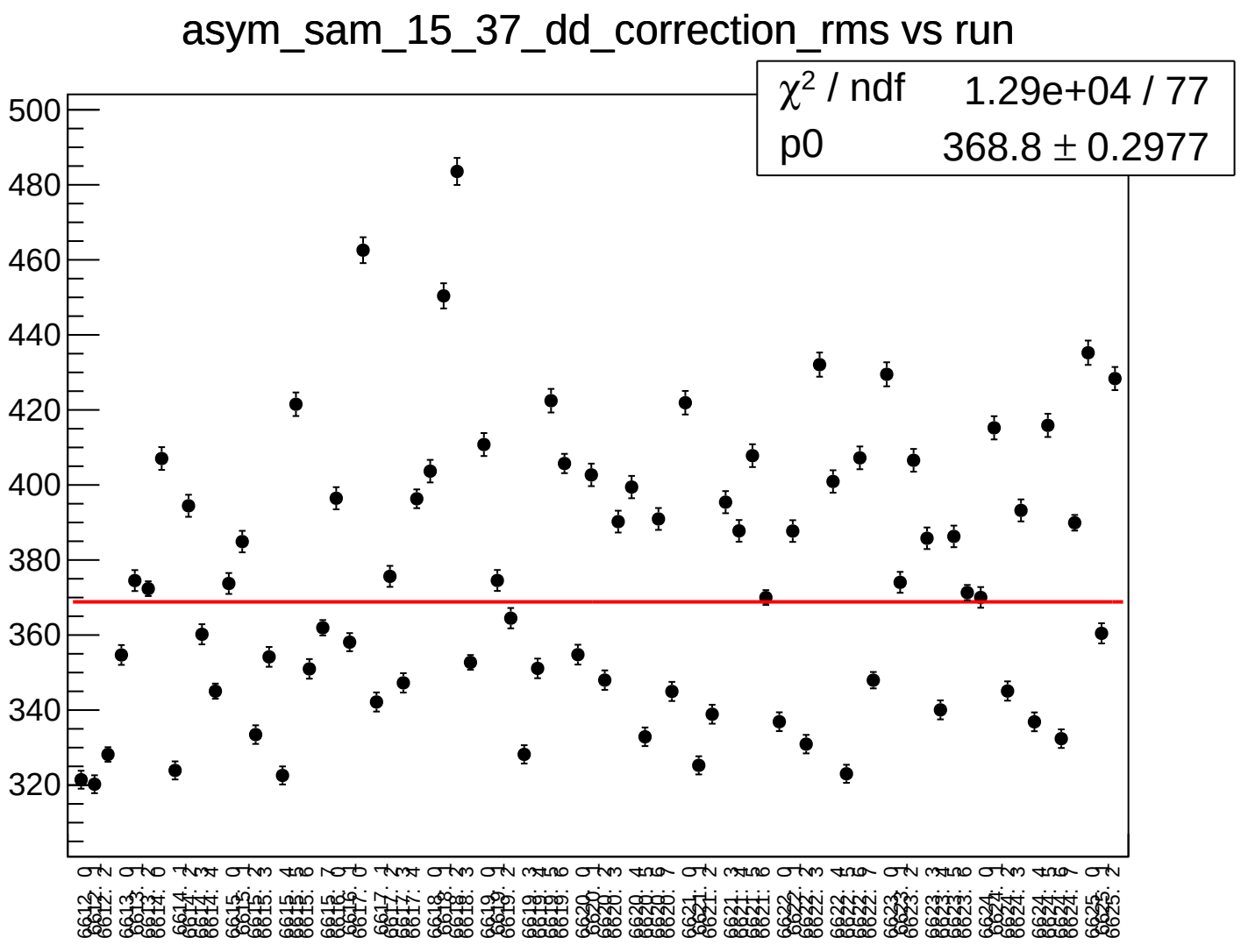

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 82.2 / 77
p0 −92.34 ± 52.14
pull
Entries 78
Mean −5.338
Std Dev 82.81

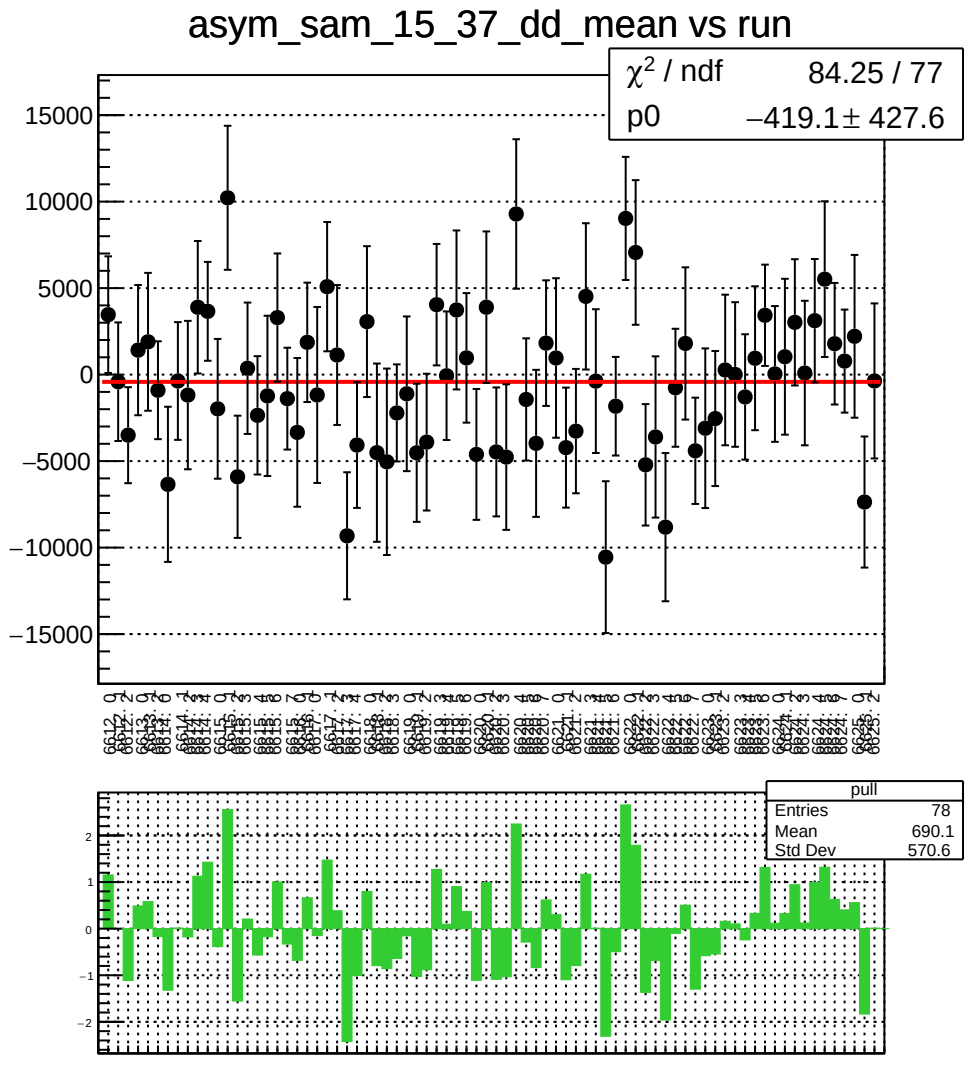

pull1D
Entries 78
Mean 0.008797
Std Dev 1.027

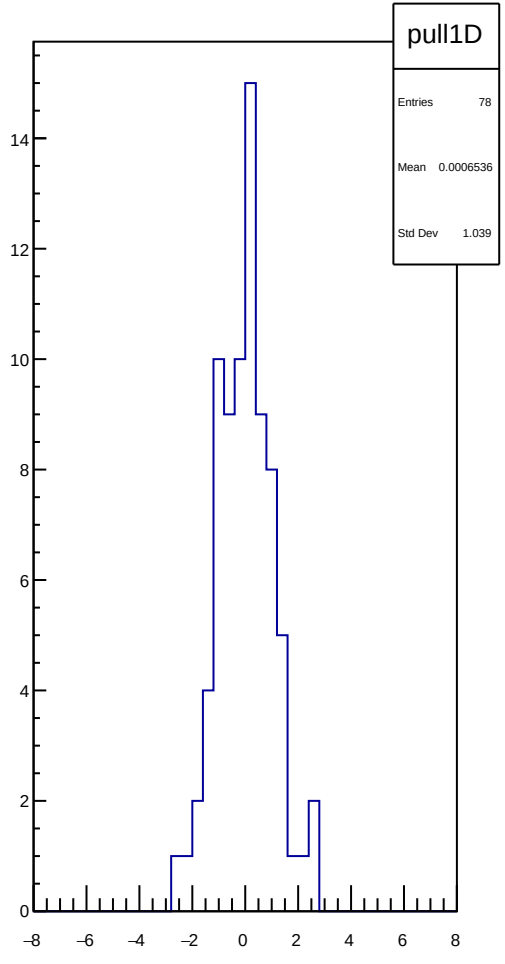

dit_asym_sam_15_37_dd_rms vs run
χ^2 / ndf 1.618e+04 / 77
p0 45.62 ± 0.03687
80
75
70
65
60
55
50
45
40

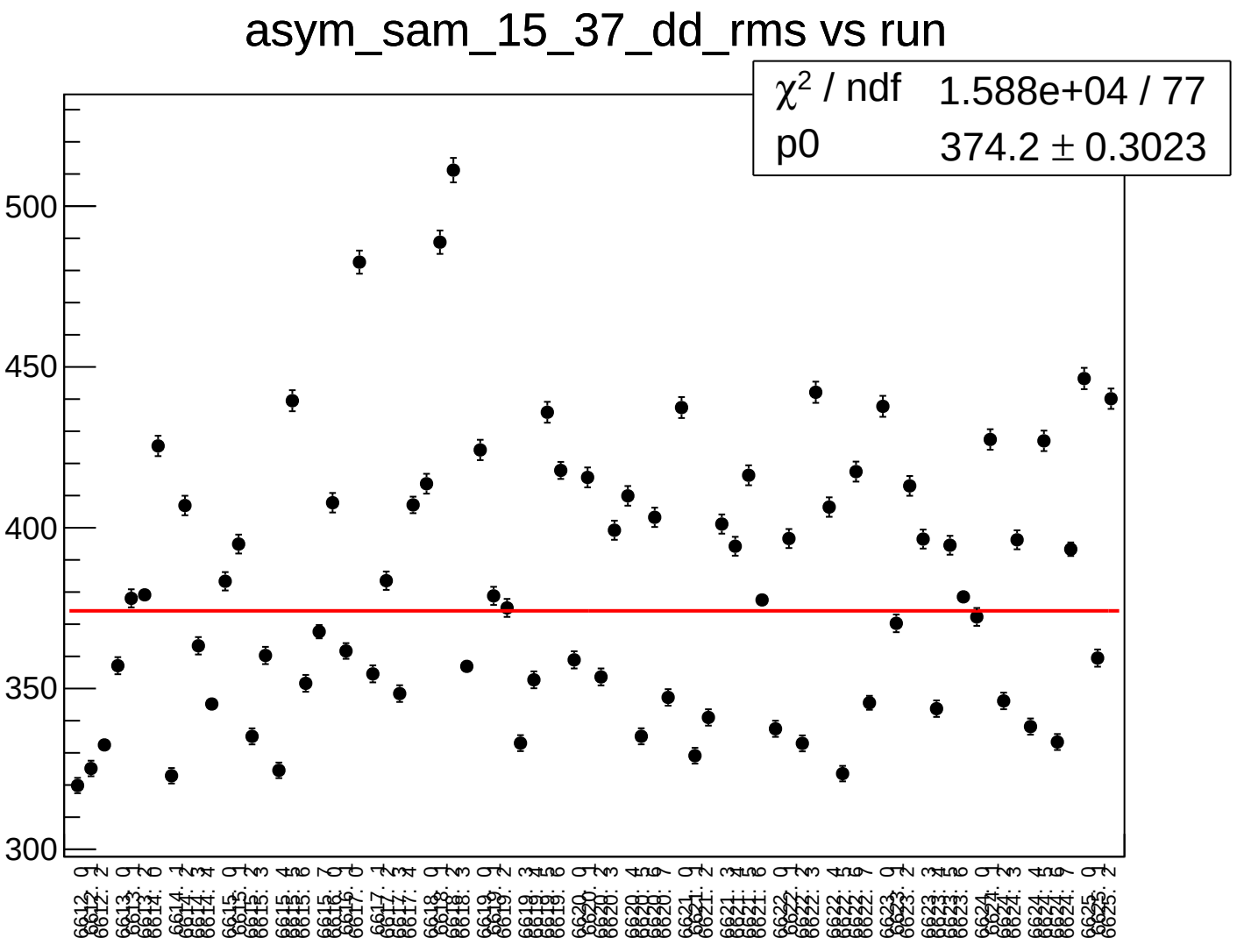

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 84.59 / 77
p0 331.5 ± 421.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 78
Mean −570.9
Std Dev 658
2
1
0
−1
−2

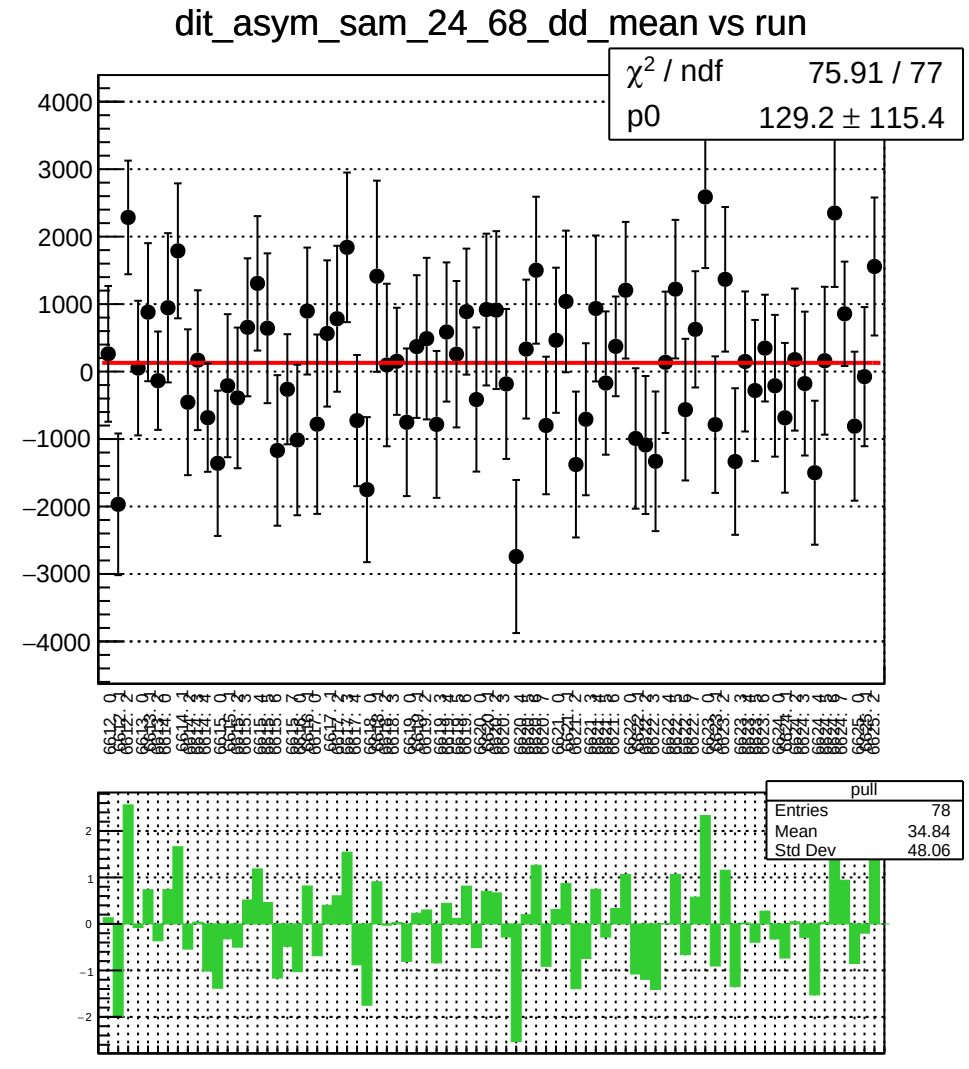

pull1D
Entries 78
Mean 0.001078
Std Dev 1.041
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

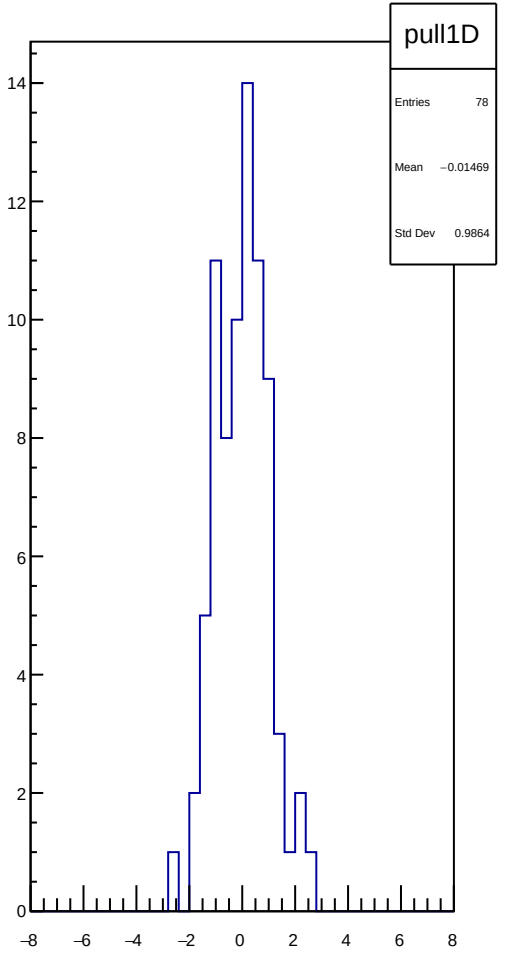

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 1.29e+04 / 77
p0 368.8 ± 0.2977
500
480
460
440
420
400
380
360
340
320

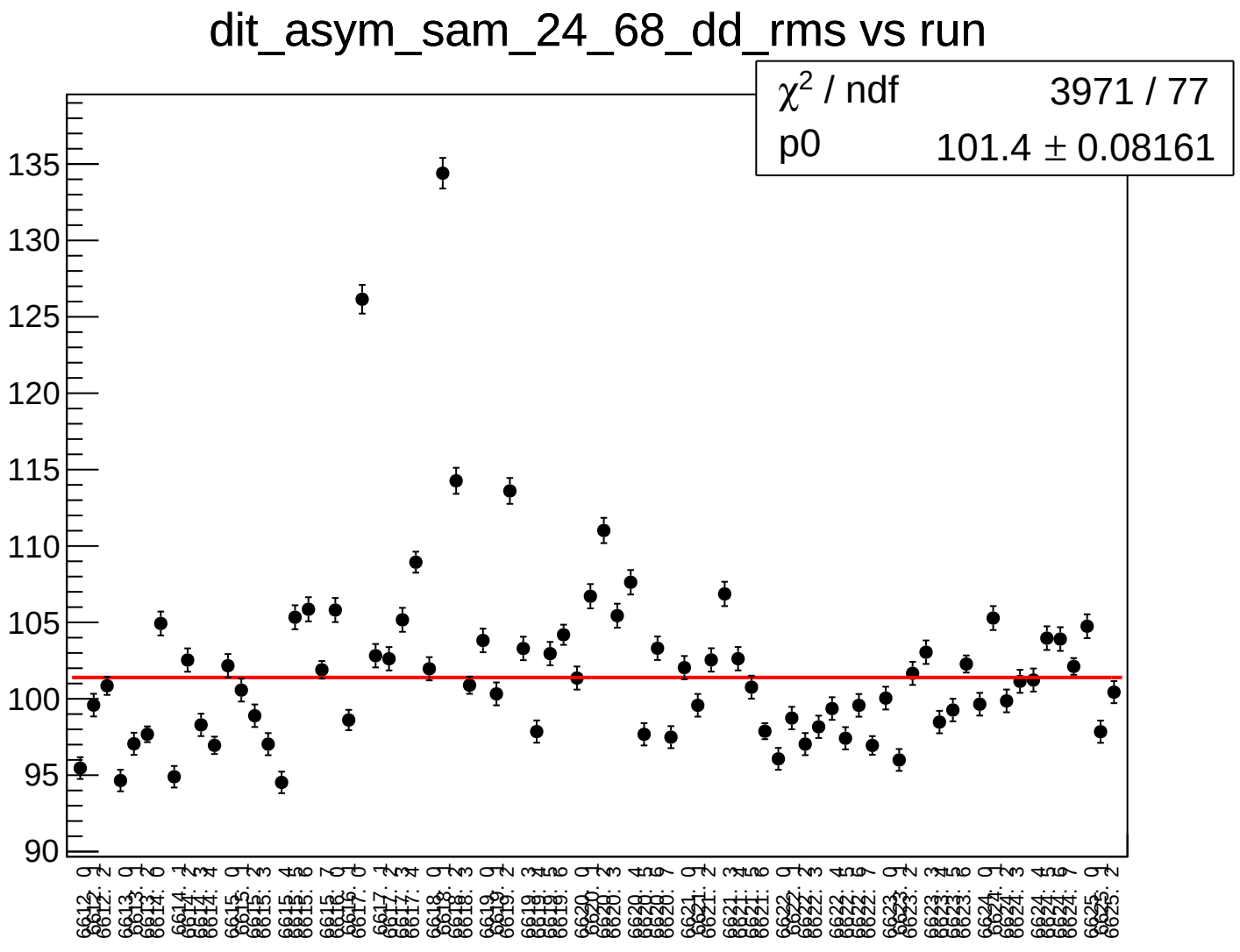

asym_sam_15_37_dd_mean vs run
χ² / ndf 84.25 / 77
p0 −419.1± 427.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 78
Mean 690.1
Std Dev 570.6
2
1
0
−1
−2

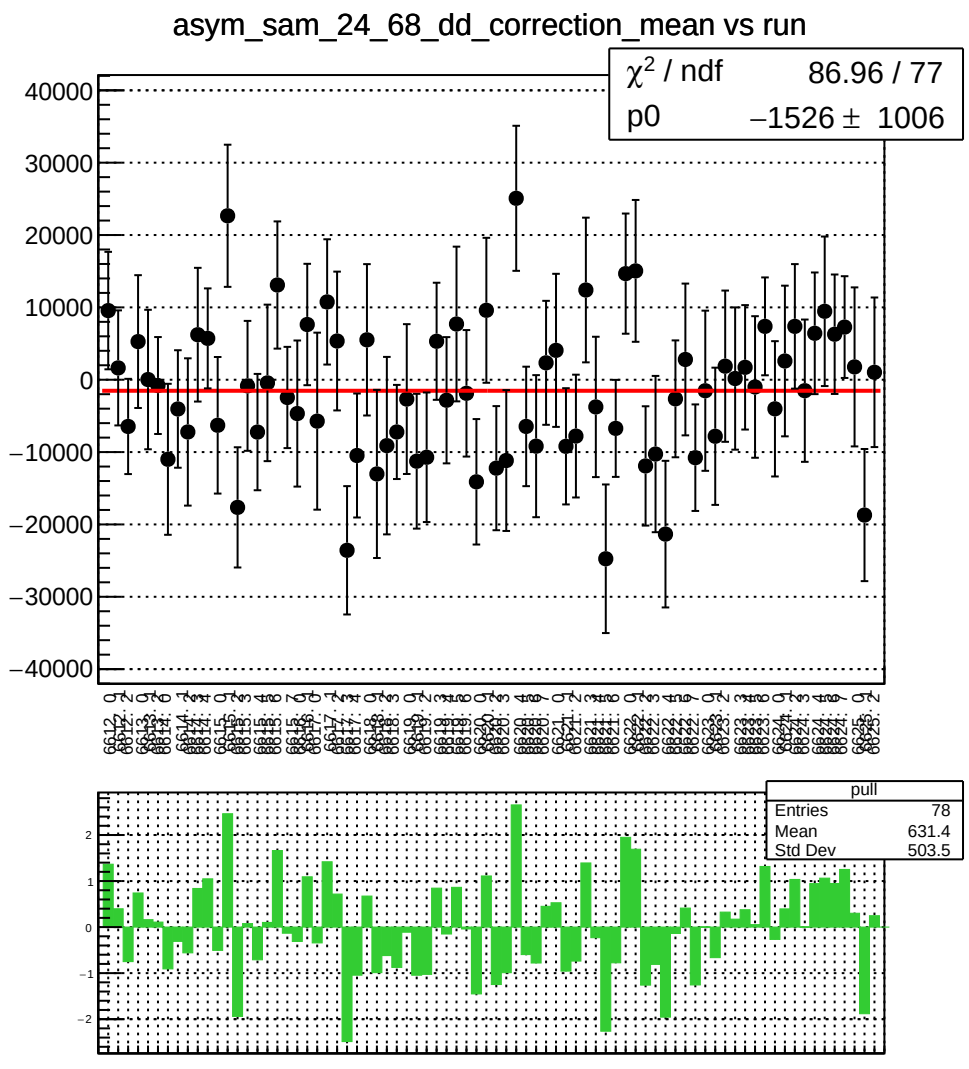

pull1D
Entries 78
Mean 0.0006536
Std Dev 1.039
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

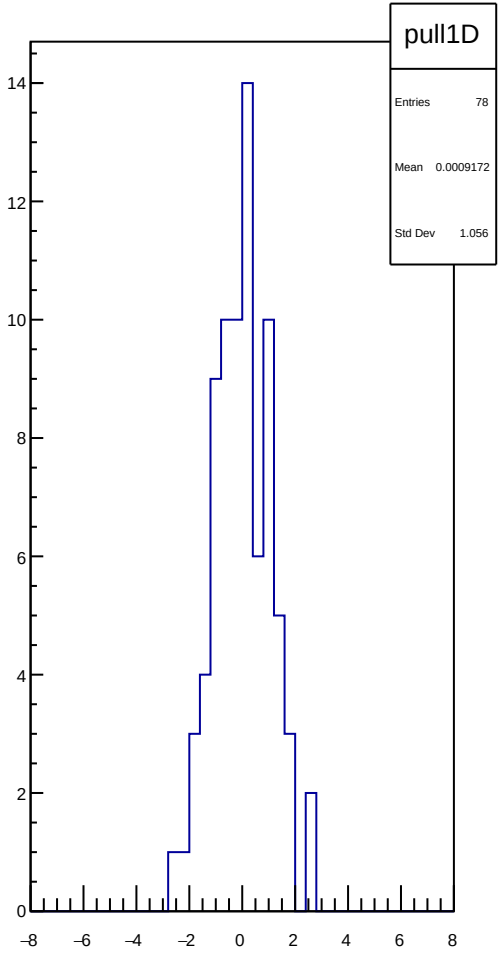

asym_sam_15_37_dd_rms vs run
χ² / ndf 1.588e+04 / 77
p0 374.2 ± 0.3023
500
450
400
350
300

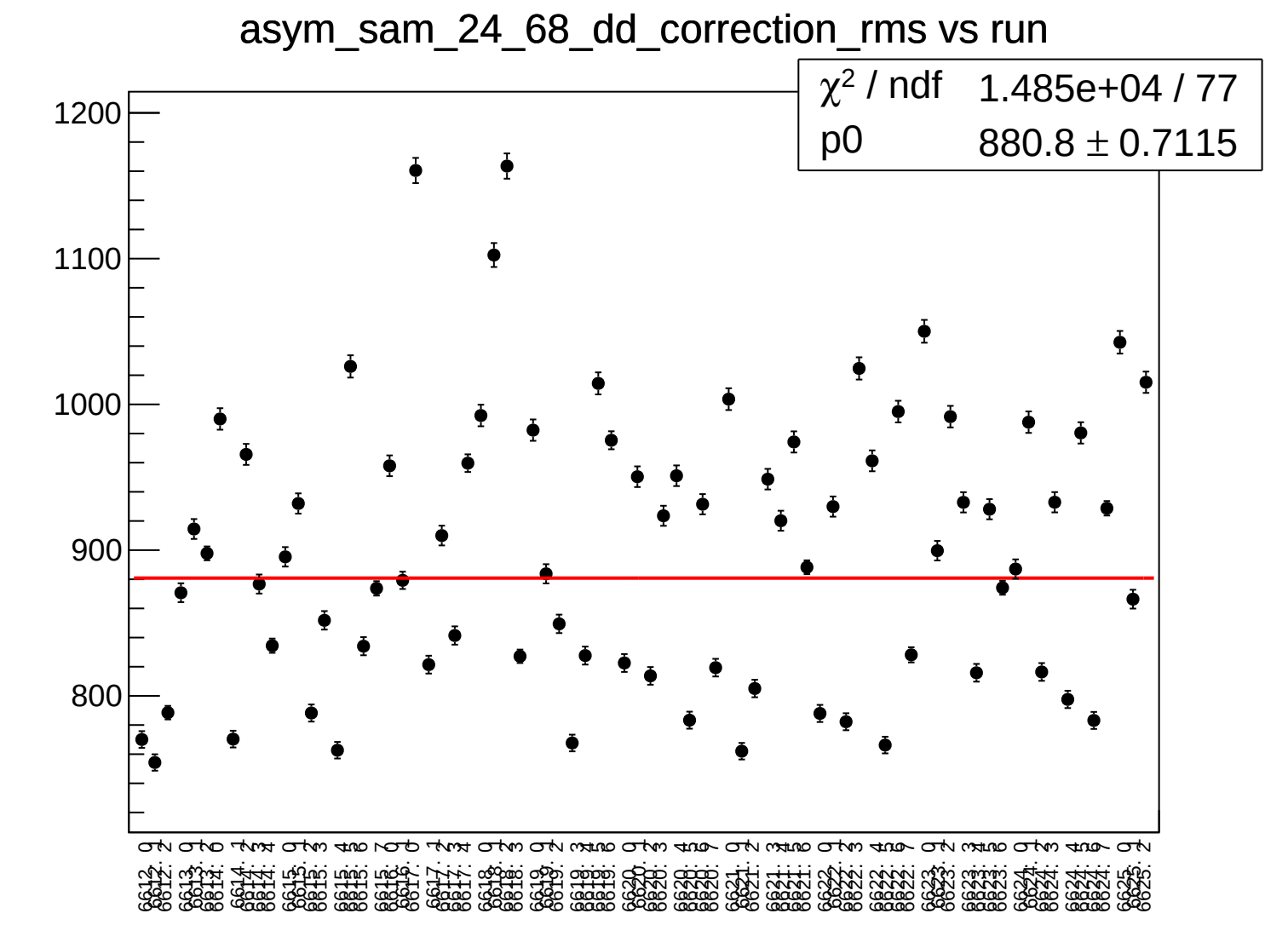

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 75.91 / 77
p0 129.2 ± 115.4
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 78
Mean 34.84
Std Dev 48.06
2
1
0
−1
−2

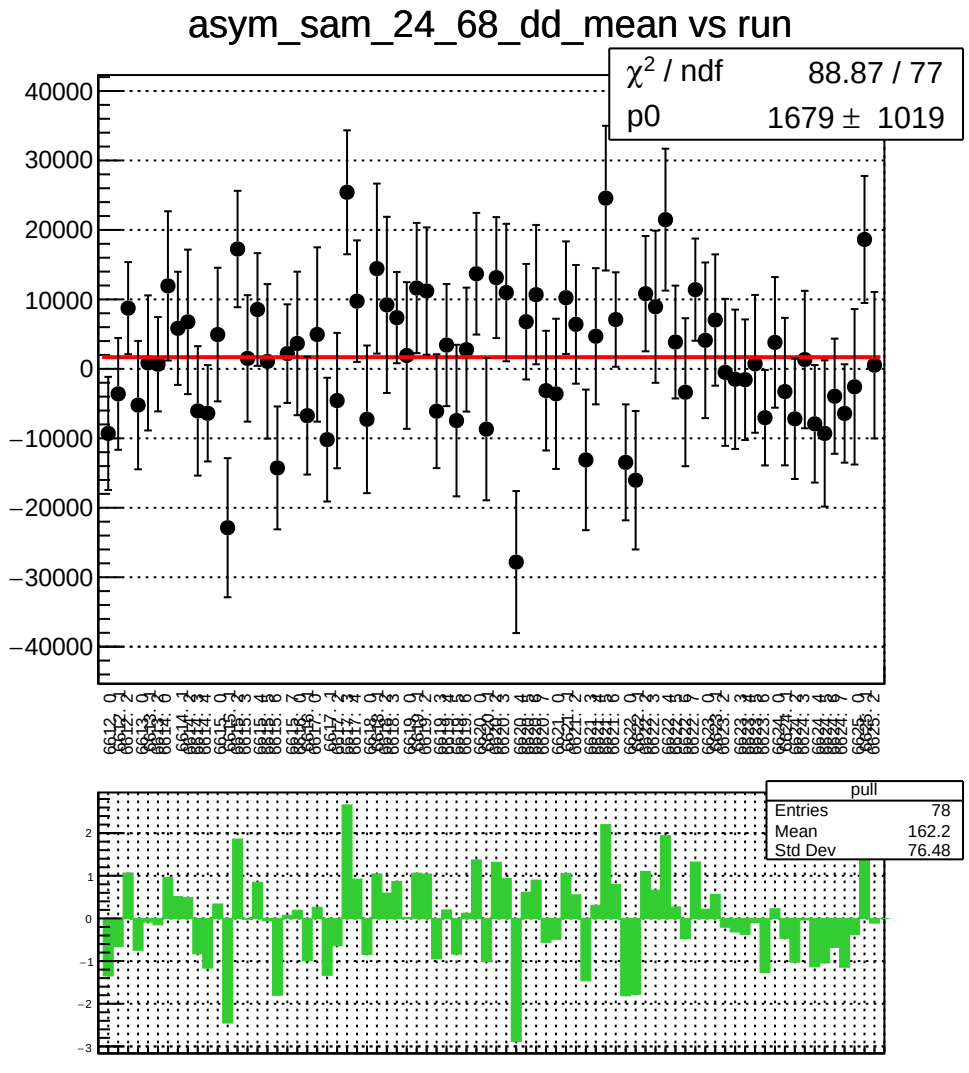

pull1D
Entries 78
Mean −0.01469
Std Dev 0.9864
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

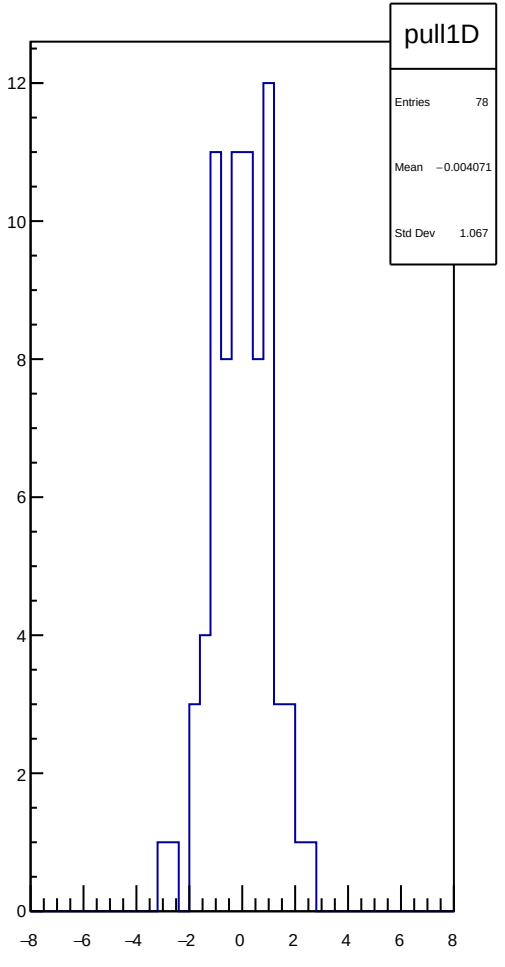

dit_asym_sam_24_68_dd_rms vs run
χ^2 / ndf 3971 / 77
p0 101.4 ± 0.08161
135
130
125
120
115
110
105
100
95
90

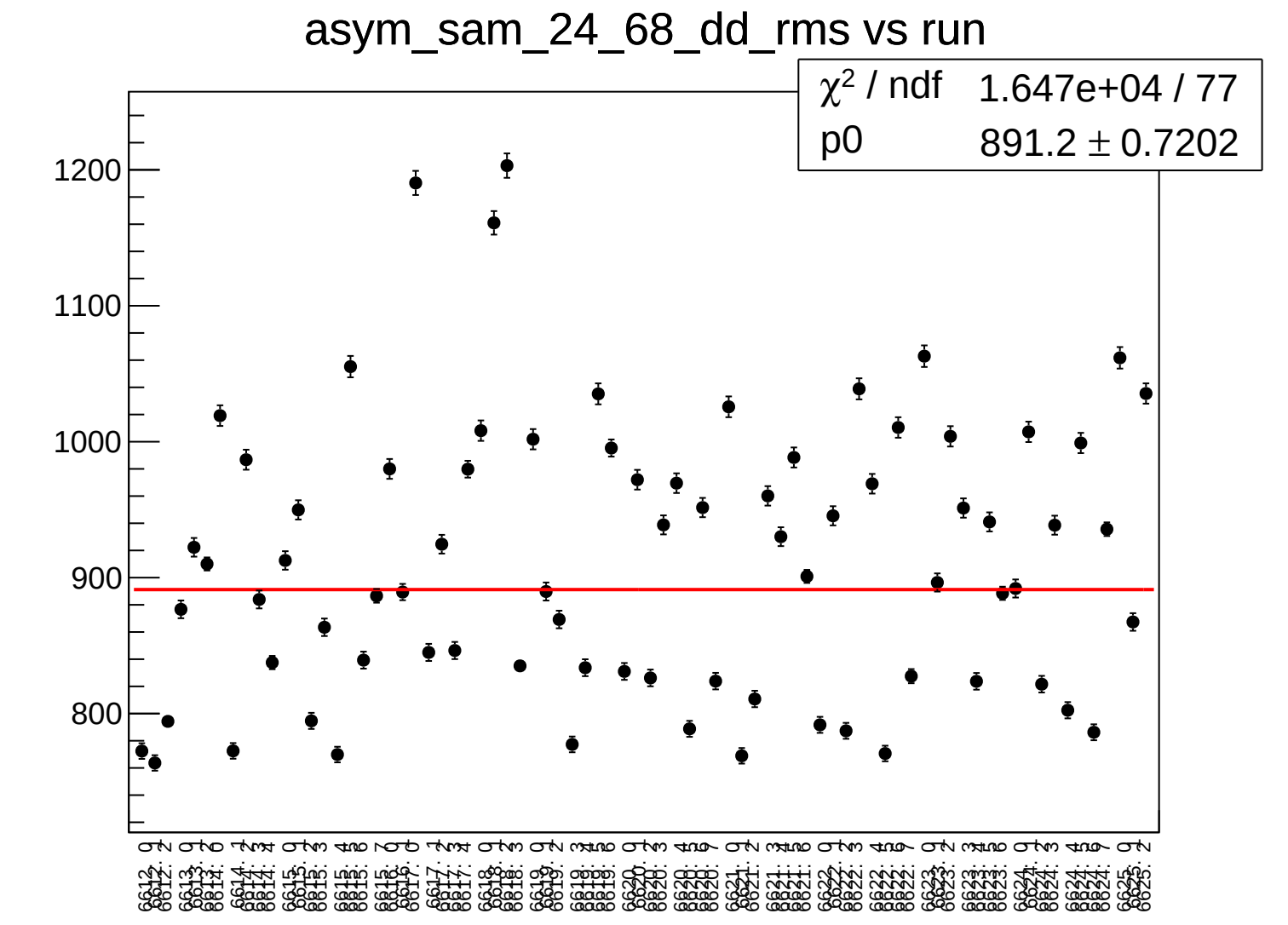

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 86.96 / 77
p0 −1526 ± 1006
pull
Entries 78
Mean 631.4
Std Dev 503.5

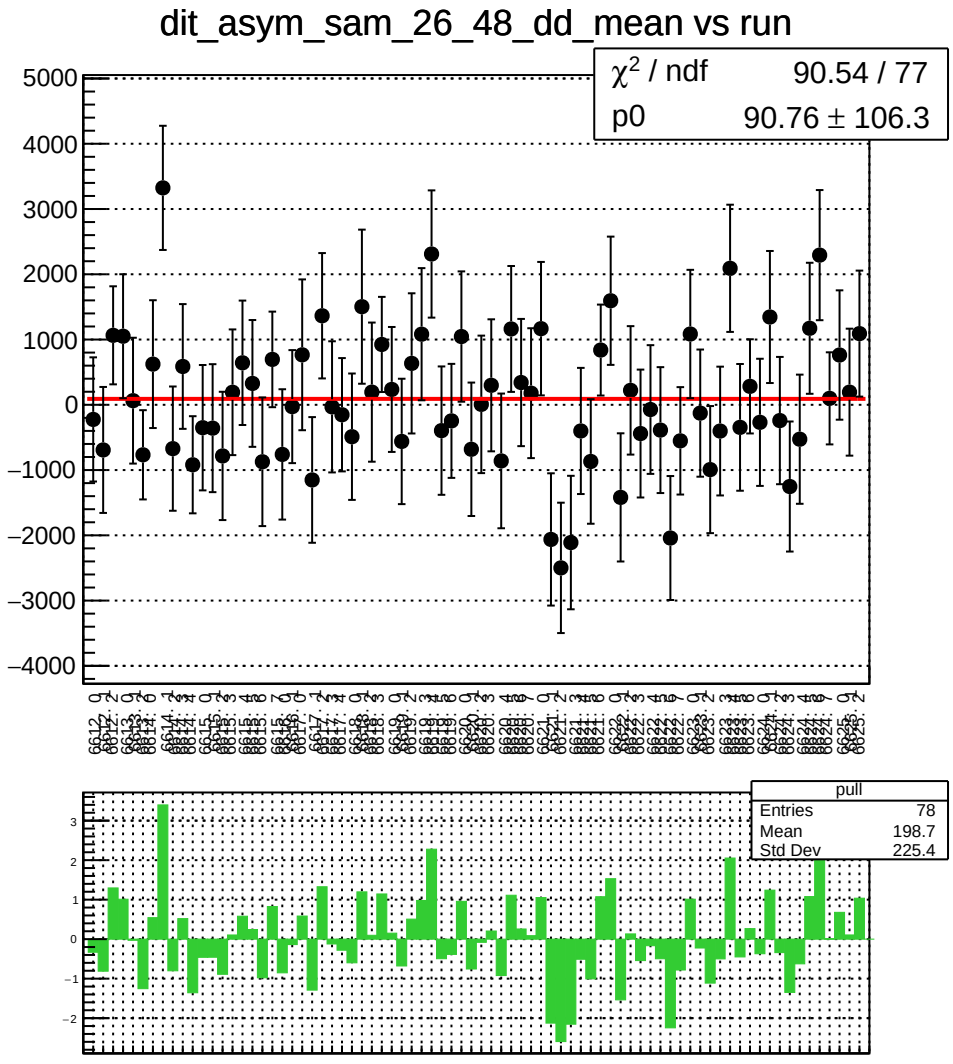

pull1D
Entries 78
Mean 0.0009172
Std Dev 1.056

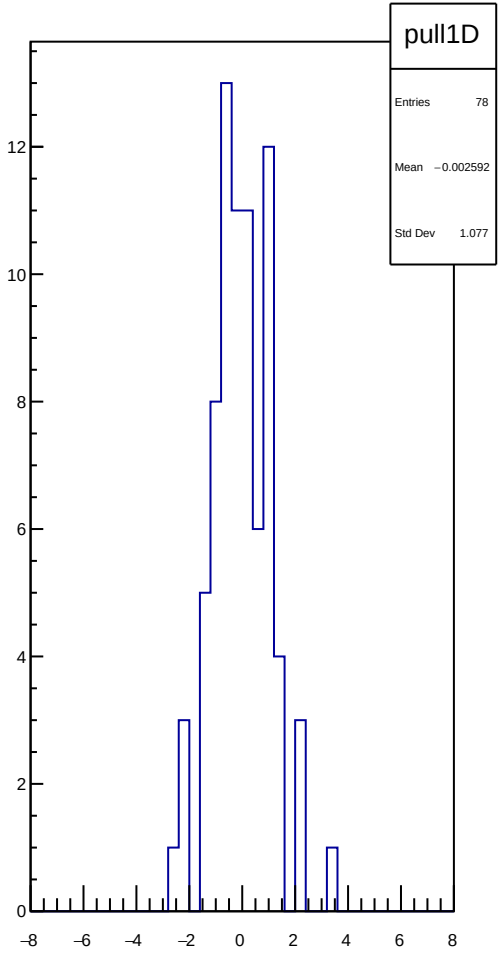

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 1.485e+04 / 77
p0 880.8 ± 0.7115
1200
1100
1000
900
800

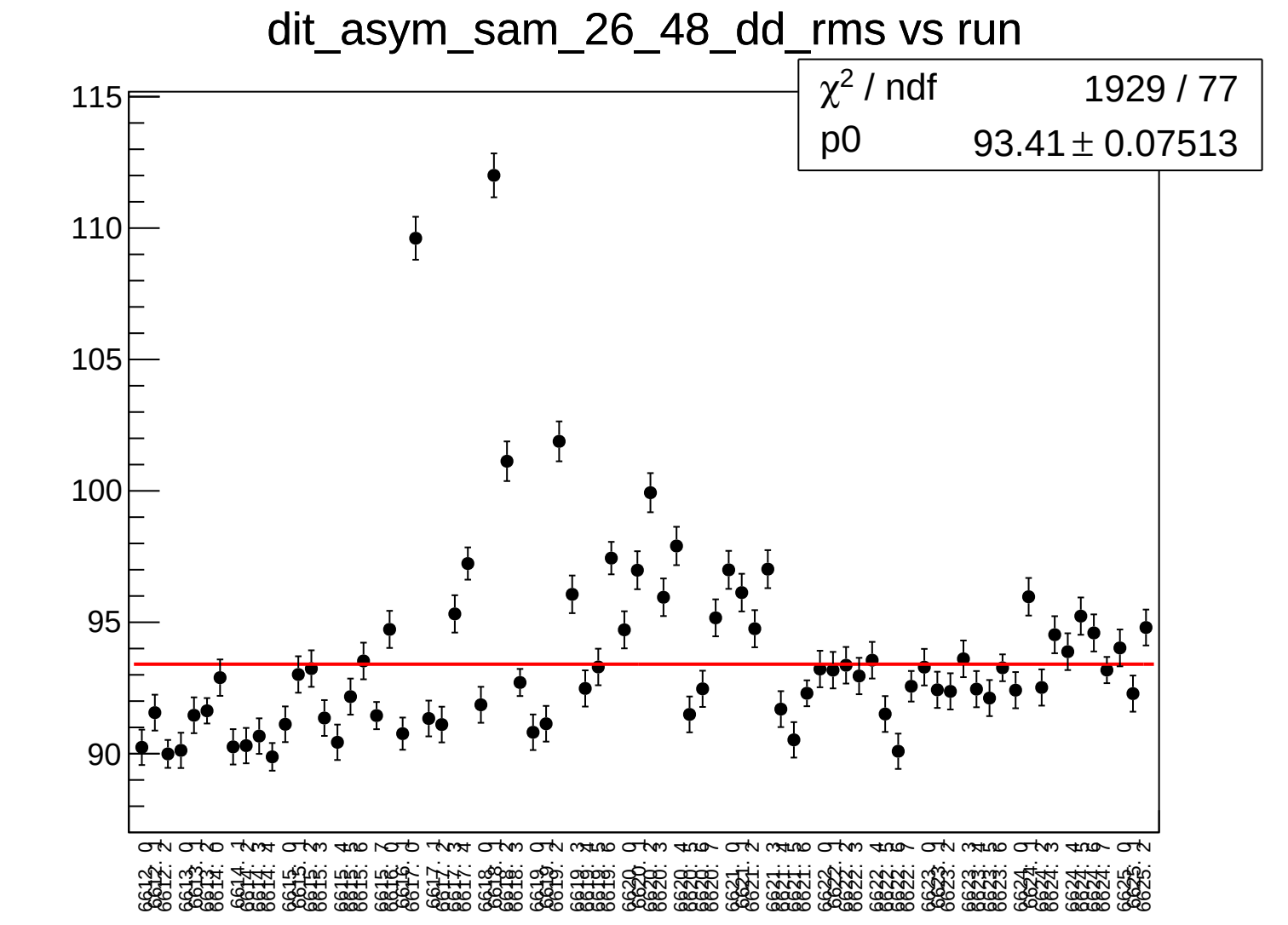

asym_sam_24_68_dd_mean vs run
χ² / ndf 88.87 / 77
p0 1679 ± 1019
pull
Entries 78
Mean 162.2
Std Dev 76.48

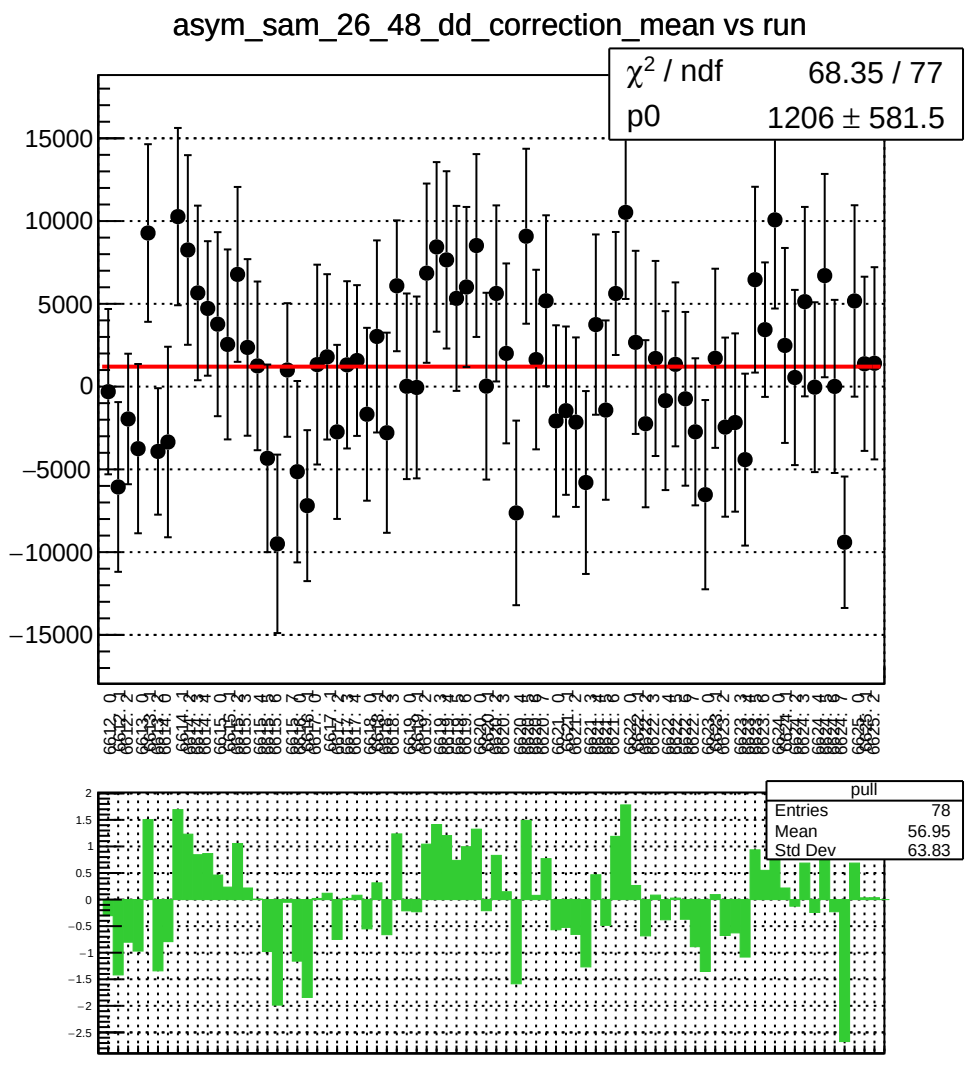

pull1D
Entries 78
Mean −0.004071
Std Dev 1.067

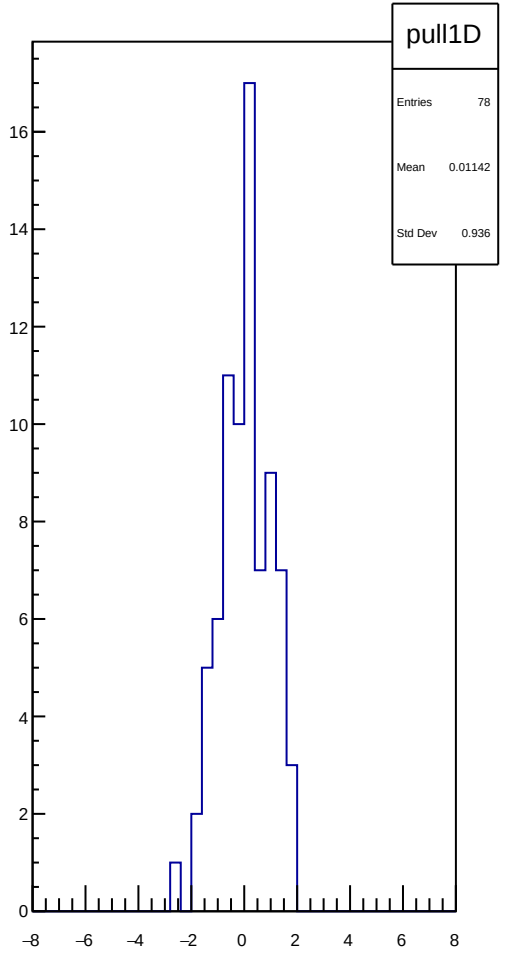

asym_sam_24_68_dd_rms vs run
χ² / ndf 1.647e+04 / 77
p0 891.2 ± 0.7202
1200
1100
1000
900
800

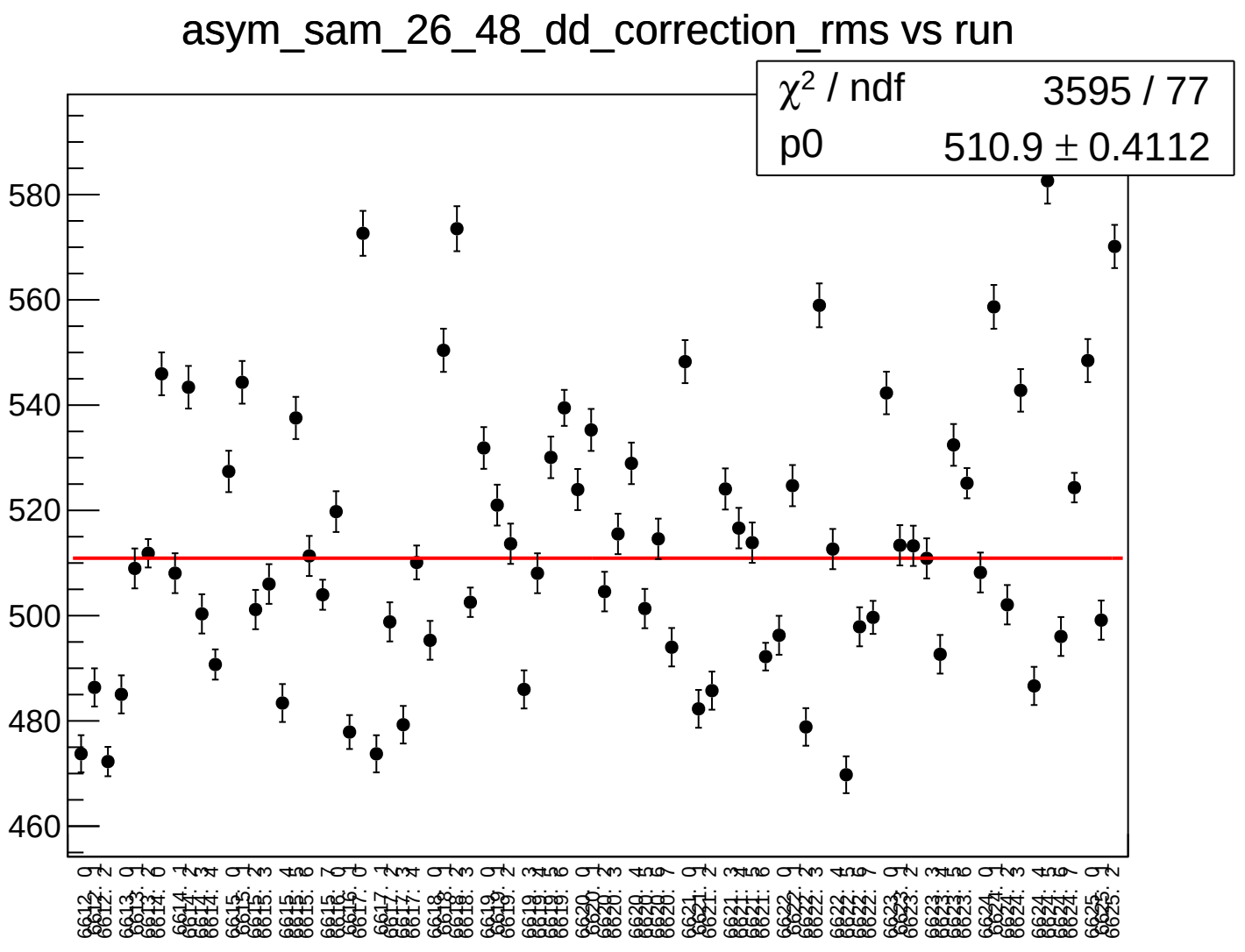

dit_asym_sam_26_48_dd_mean vs run
χ^2 / ndf 90.54 / 77
p0 90.76 ± 106.3
pull
Entries 78
Mean 198.7
Std Dev 225.4

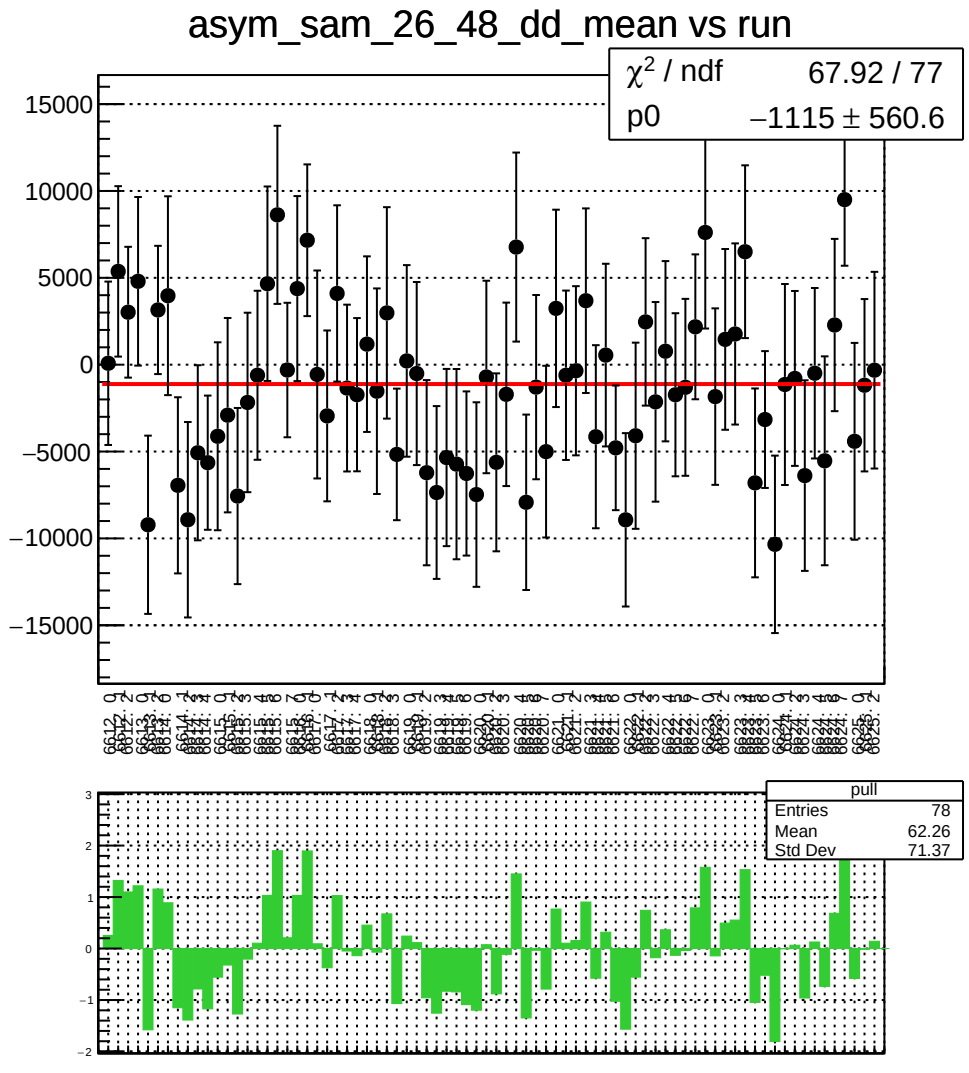

pull1D
Entries 78
Mean −0.002592
Std Dev 1.077

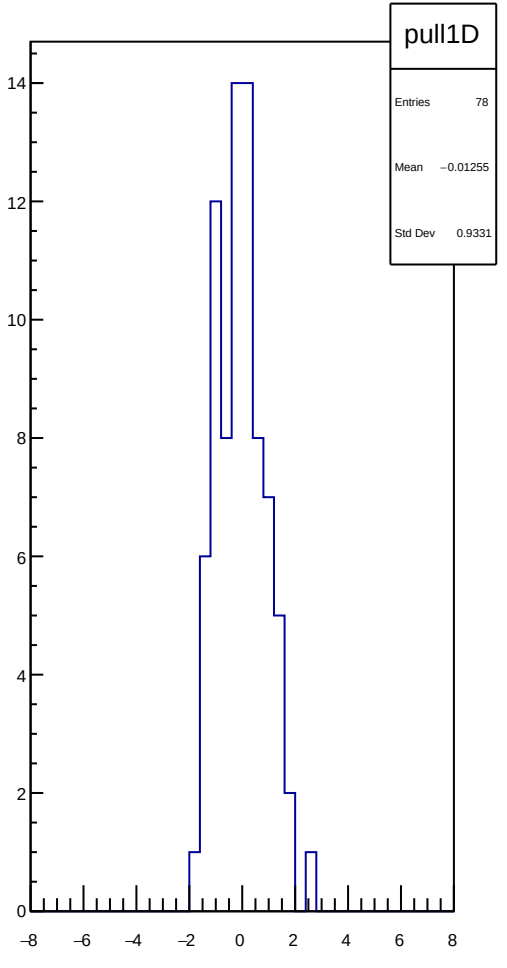

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 1929 / 77
p0 93.41 ± 0.07513
115
110
105
100
95
90

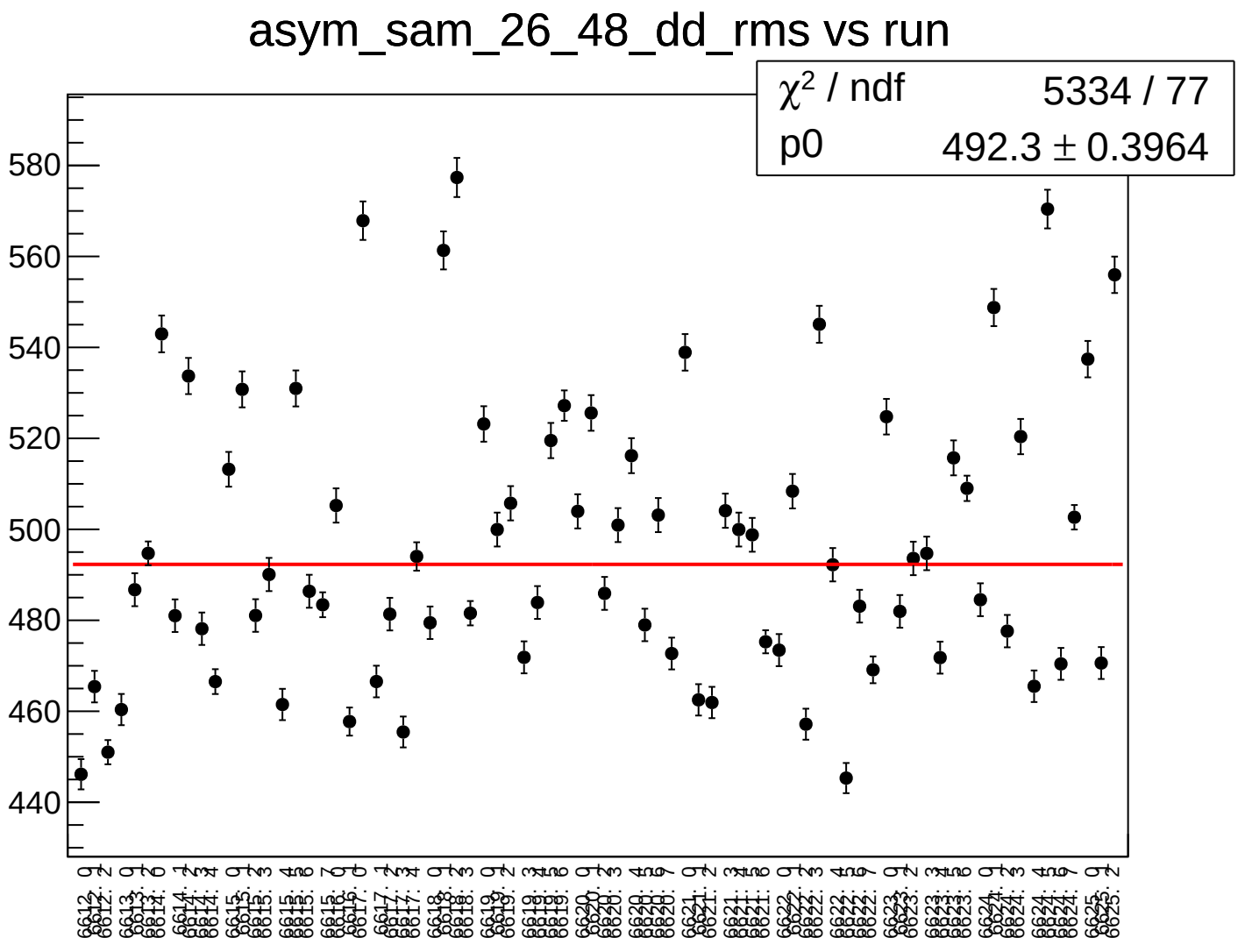

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 68.35 / 77
p0 1206 ± 581.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 78
Mean 56.95
Std Dev 63.83
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

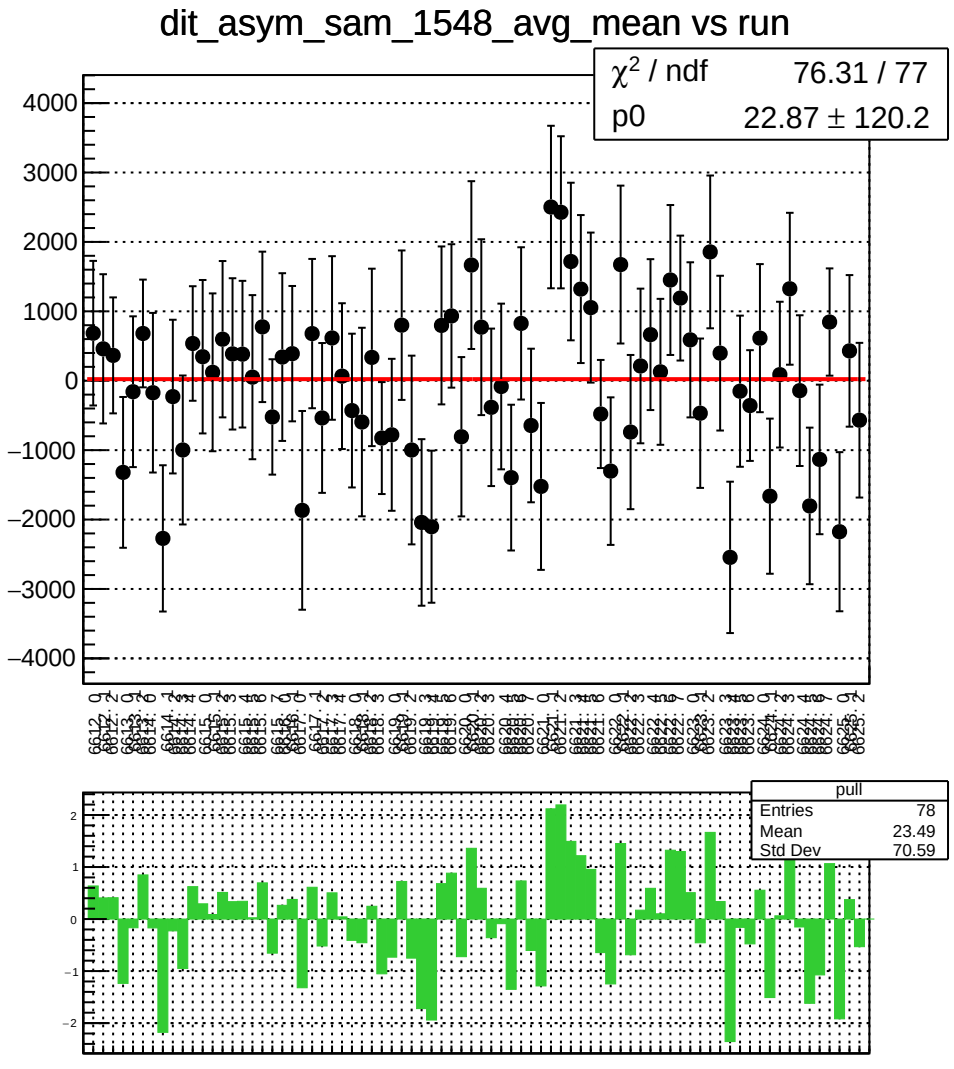

pull1D
Entries 78
Mean 0.01142
Std Dev 0.936
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

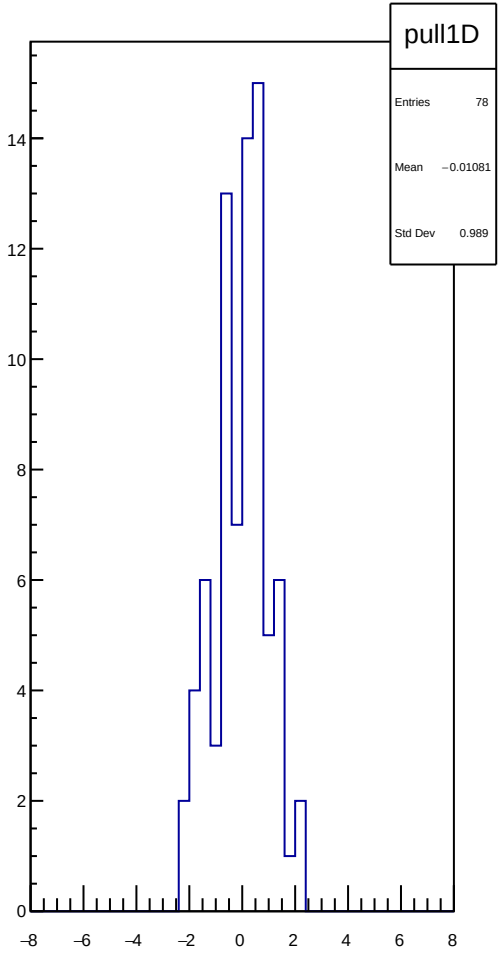

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 3595 / 77
p0 510.9 ± 0.4112
580
560
540
520
500
480
460

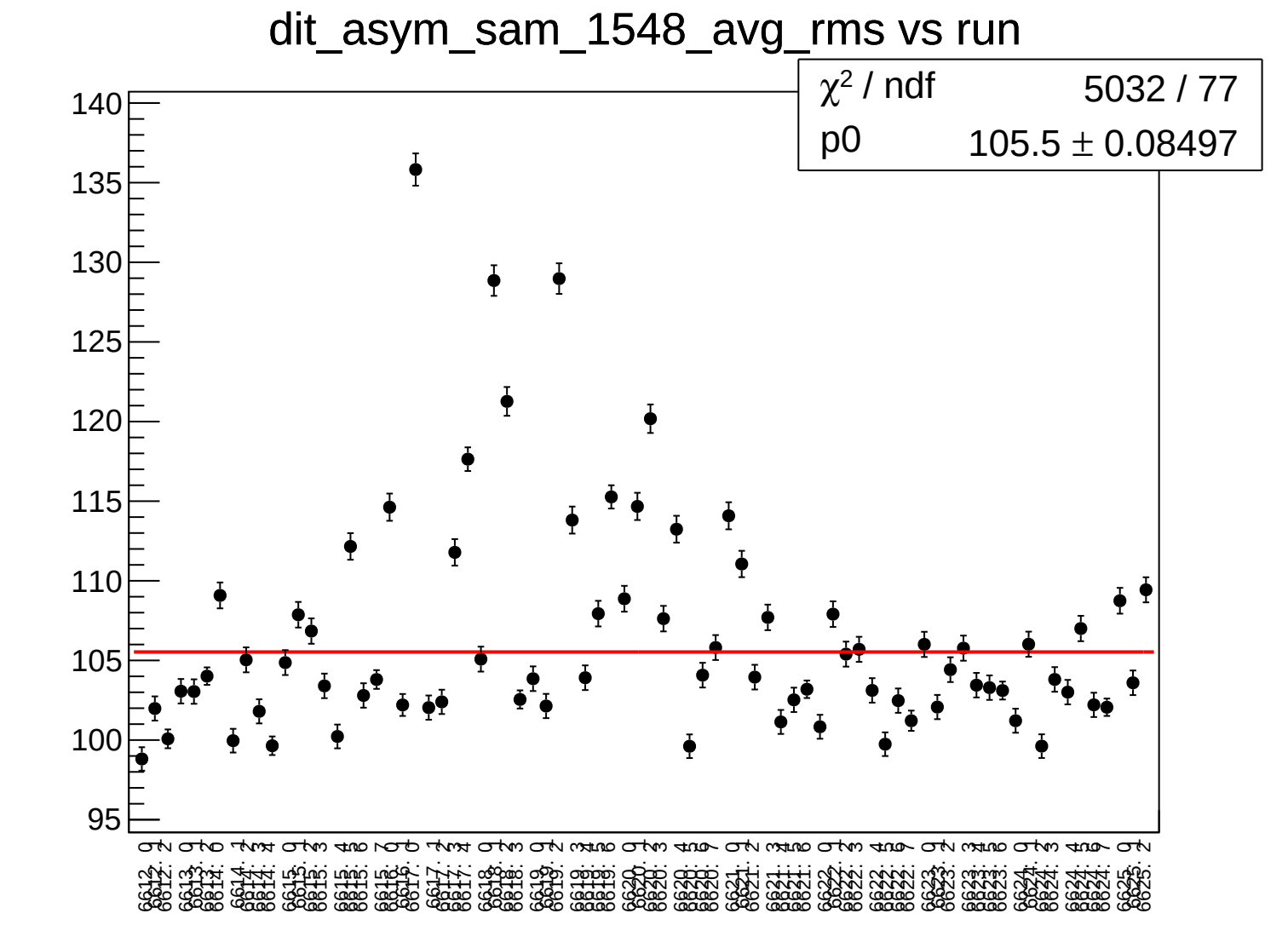

asym_sam_26_48_dd_mean vs run
χ² / ndf 67.92 / 77
p0 −1115 ± 560.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 78
Mean 62.26
Std Dev 71.37
3
2
1
0
−1
−2

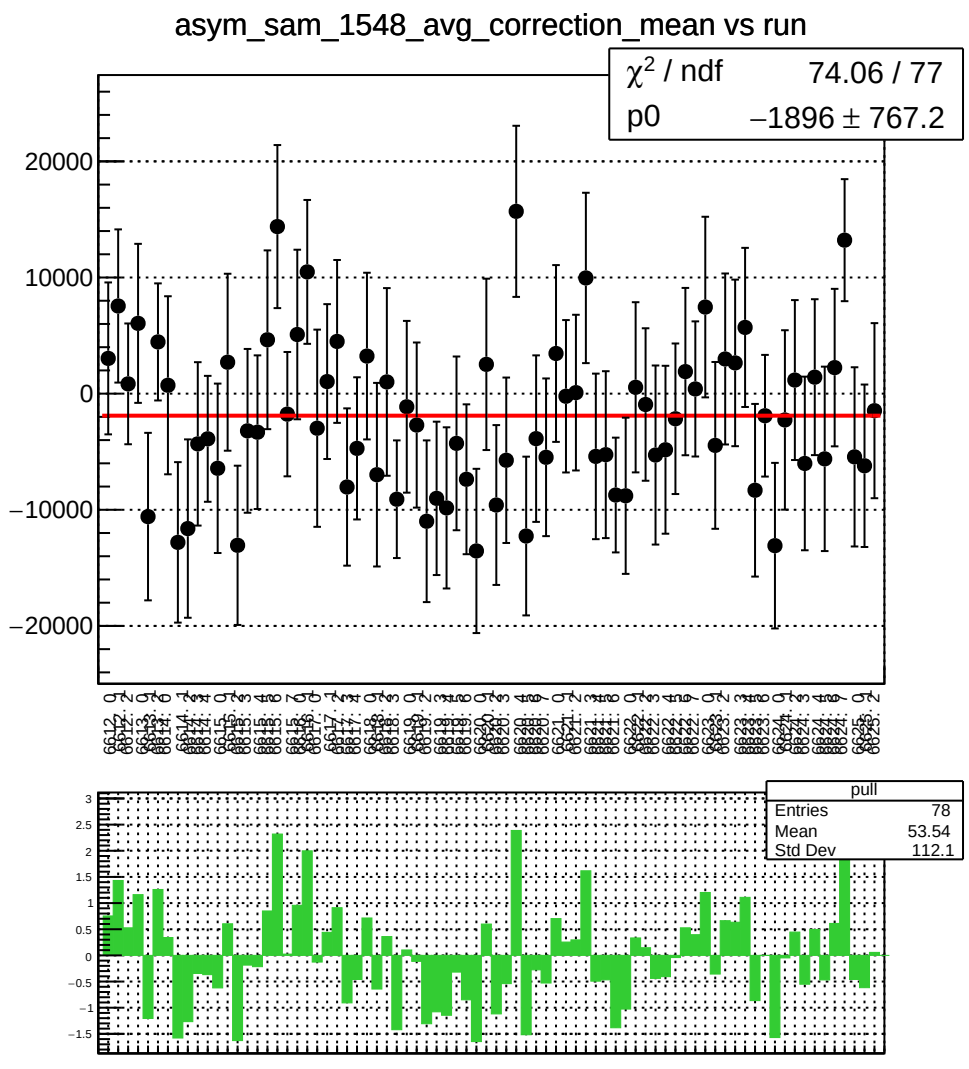

pull1D
Entries 78
Mean −0.01255
Std Dev 0.9331
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

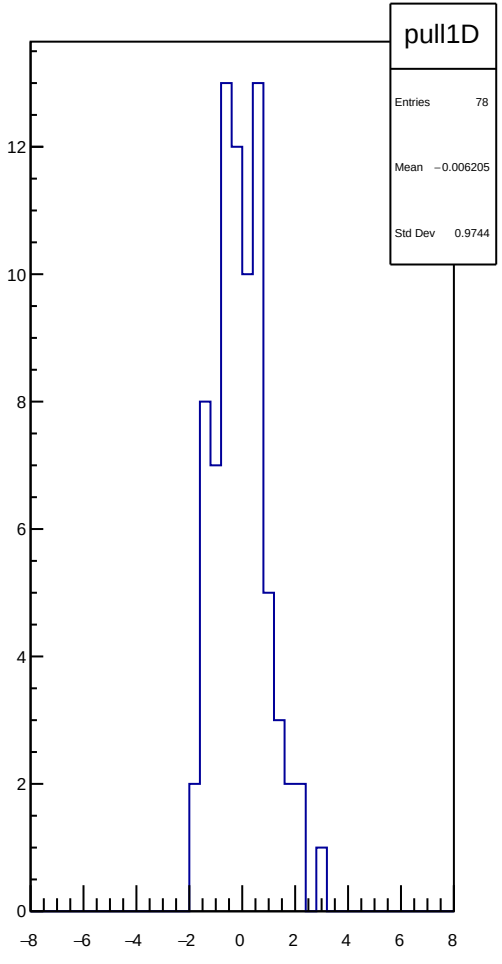

asym_sam_26_48_dd_rms vs run
χ² / ndf 5334 / 77
p0 492.3 ± 0.3964
580
560
540
520
500
480
460
440

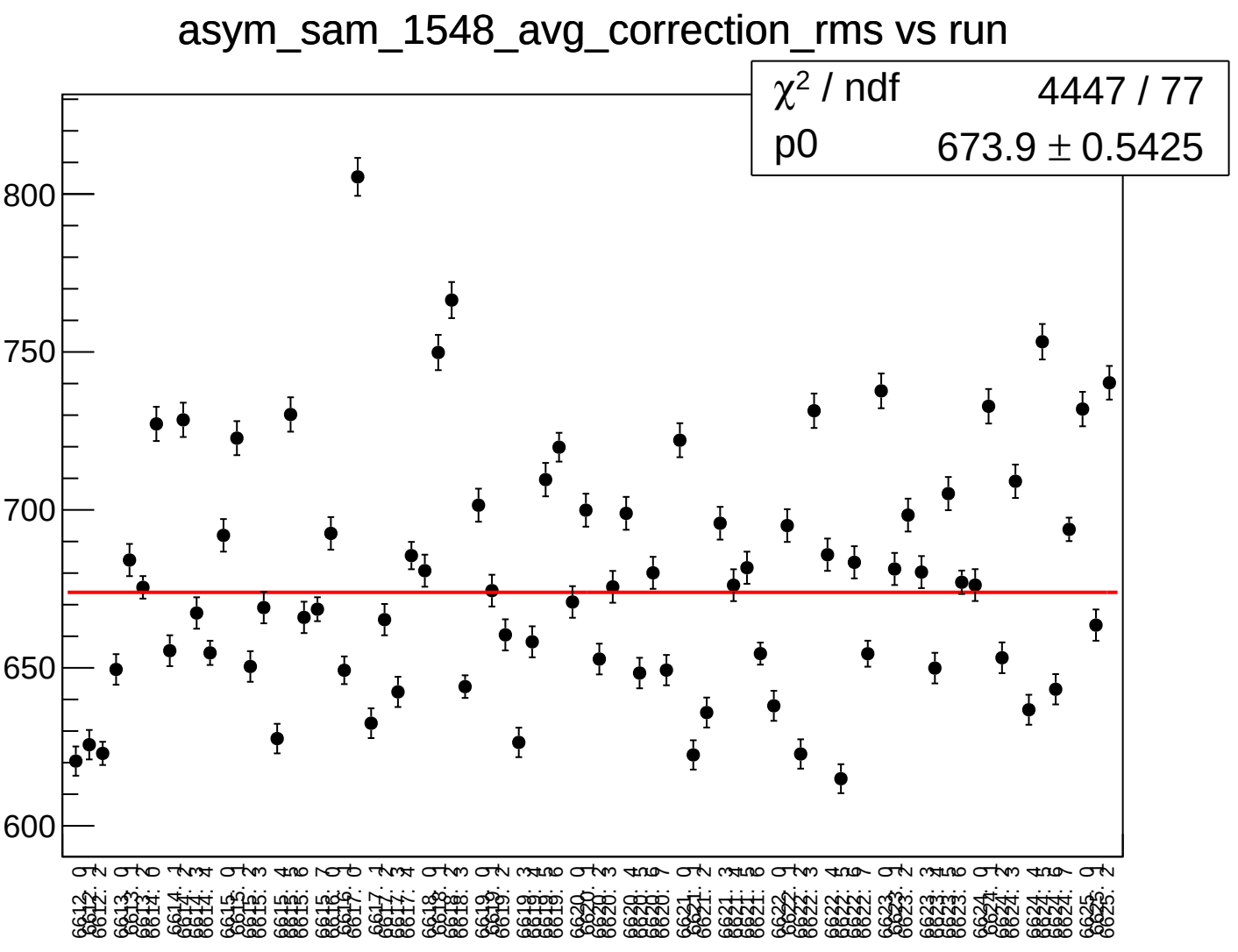

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 76.31 / 77
p0 22.87 ± 120.2
pull
Entries 78
Mean 23.49
Std Dev 70.59

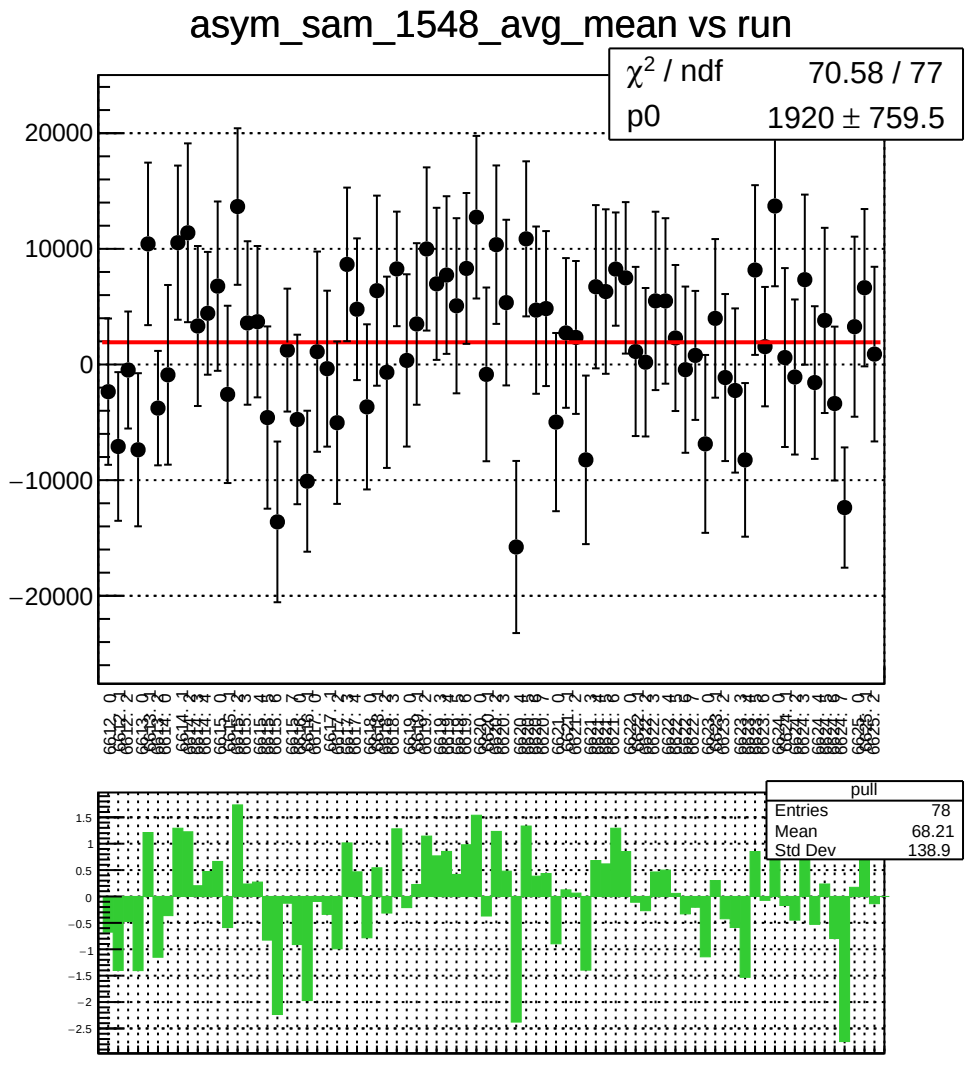

pull1D
Entries 78
Mean −0.01081
Std Dev 0.989

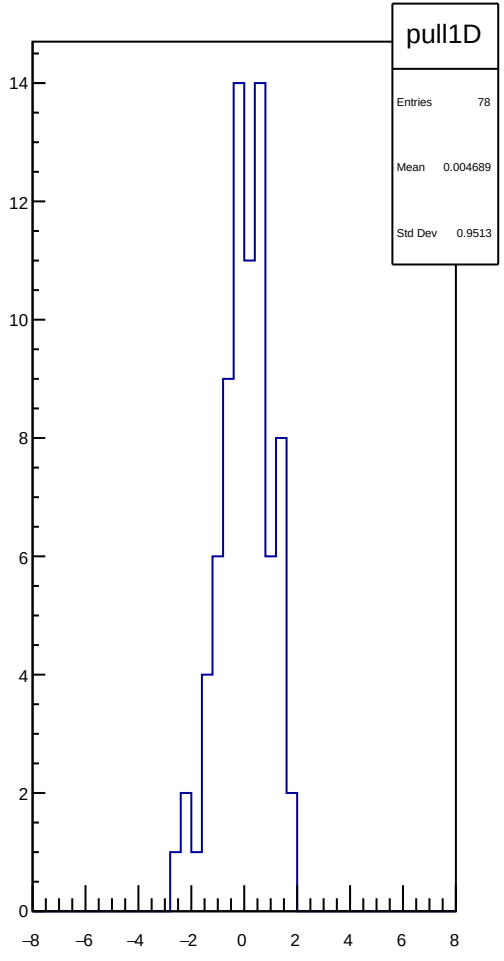

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 5032 / 77
p0 105.5 ± 0.08497
140
135
130
125
120
115
110
105
100
95

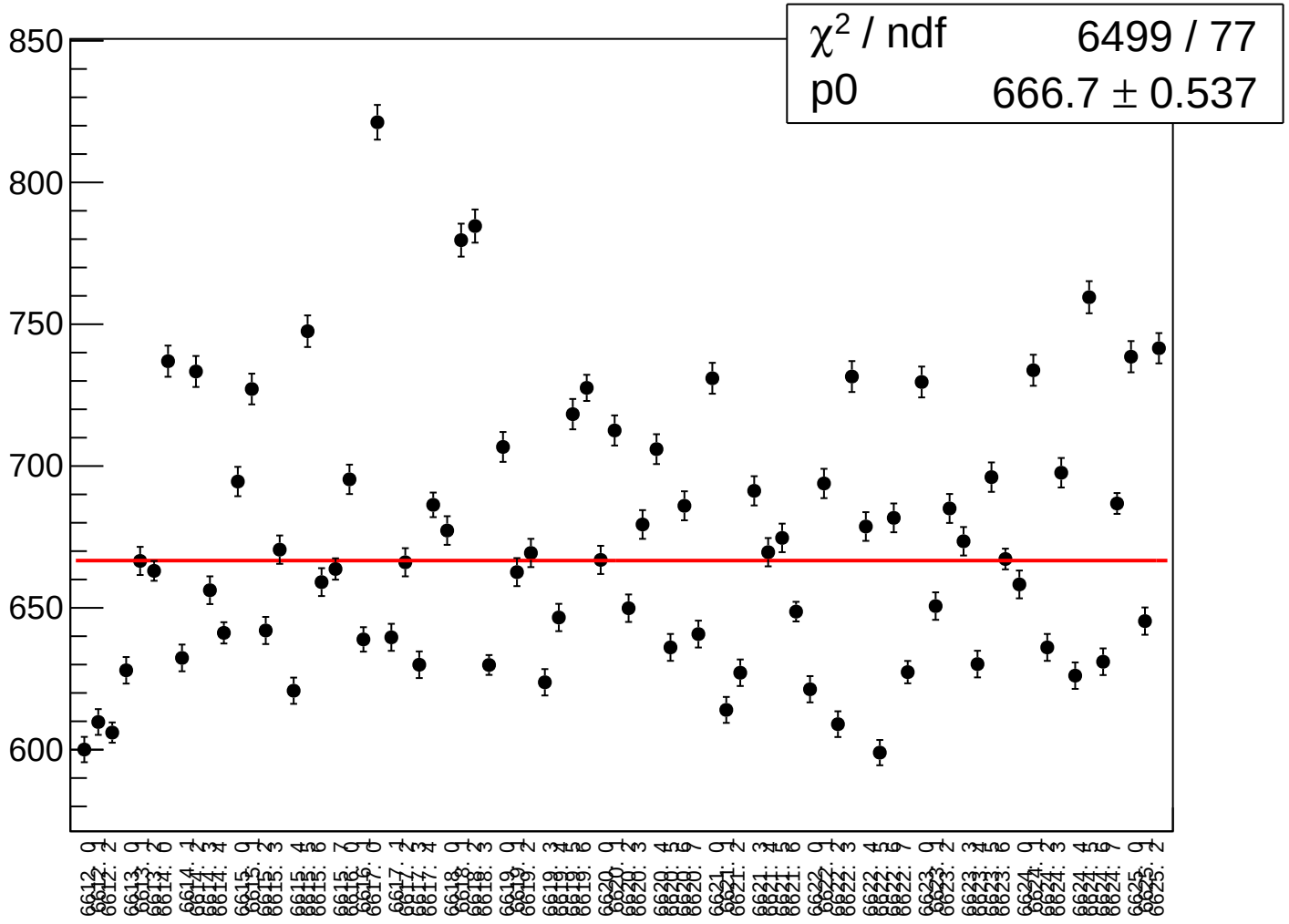

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 74.06 / 77
p0 −1896 ± 767.2
20000
10000
0
−10000
−20000
pull
Entries 78
Mean 53.54
Std Dev 112.1
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

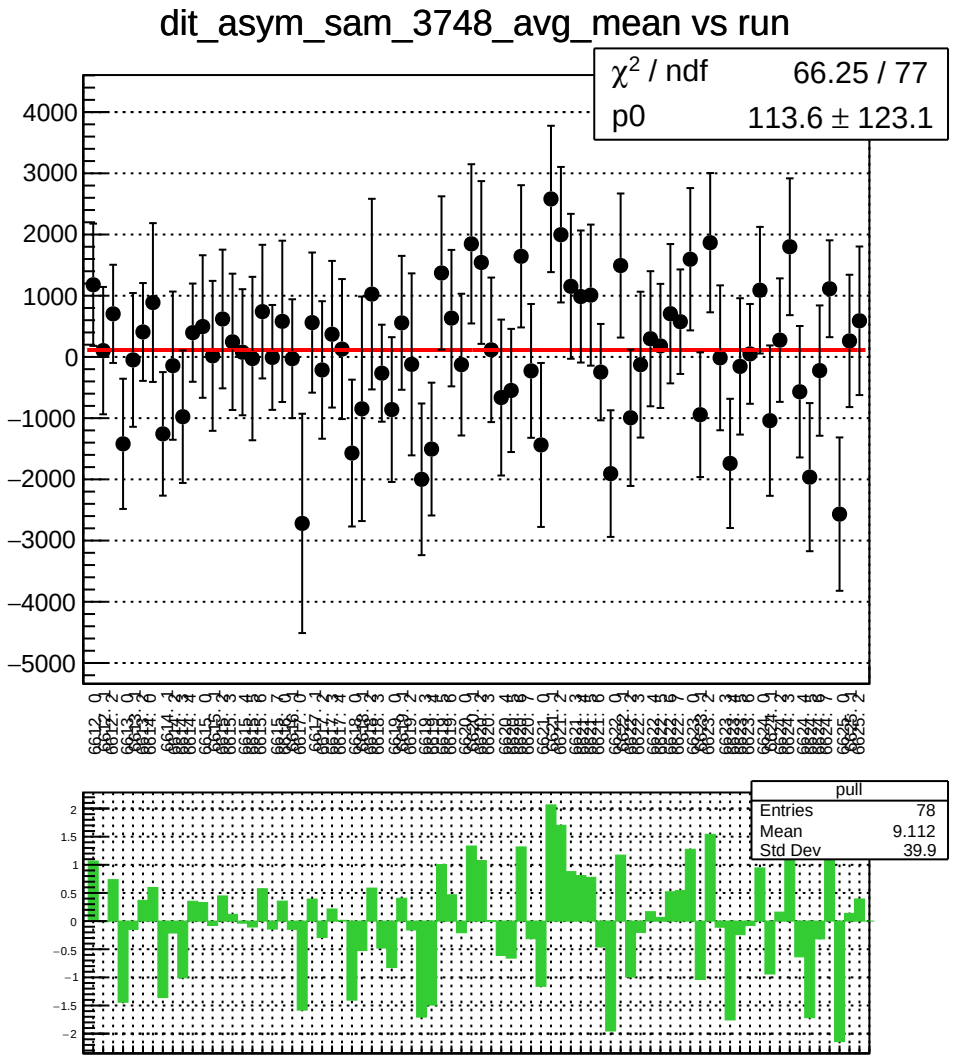

pull1D
Entries 78
Mean −0.006205
Std Dev 0.9744
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

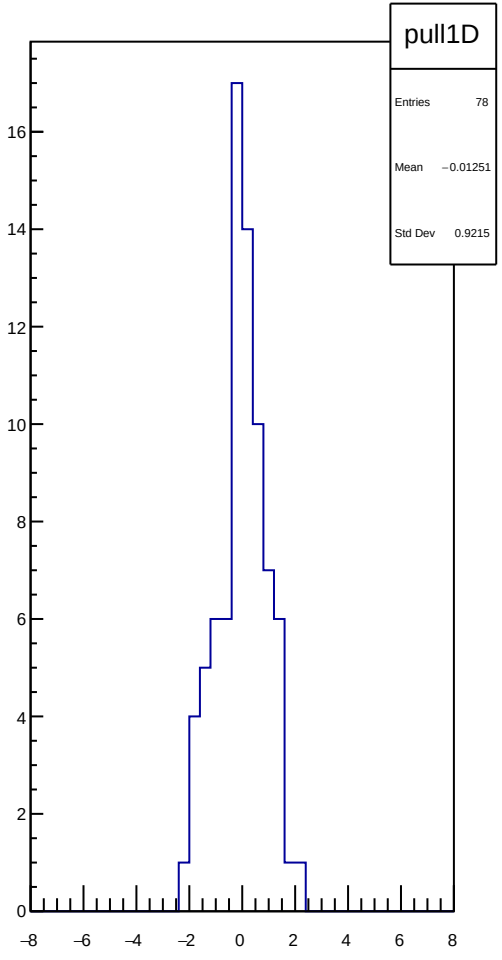

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 4447 / 77
p0 673.9 ± 0.5425
800
750
700
650
600

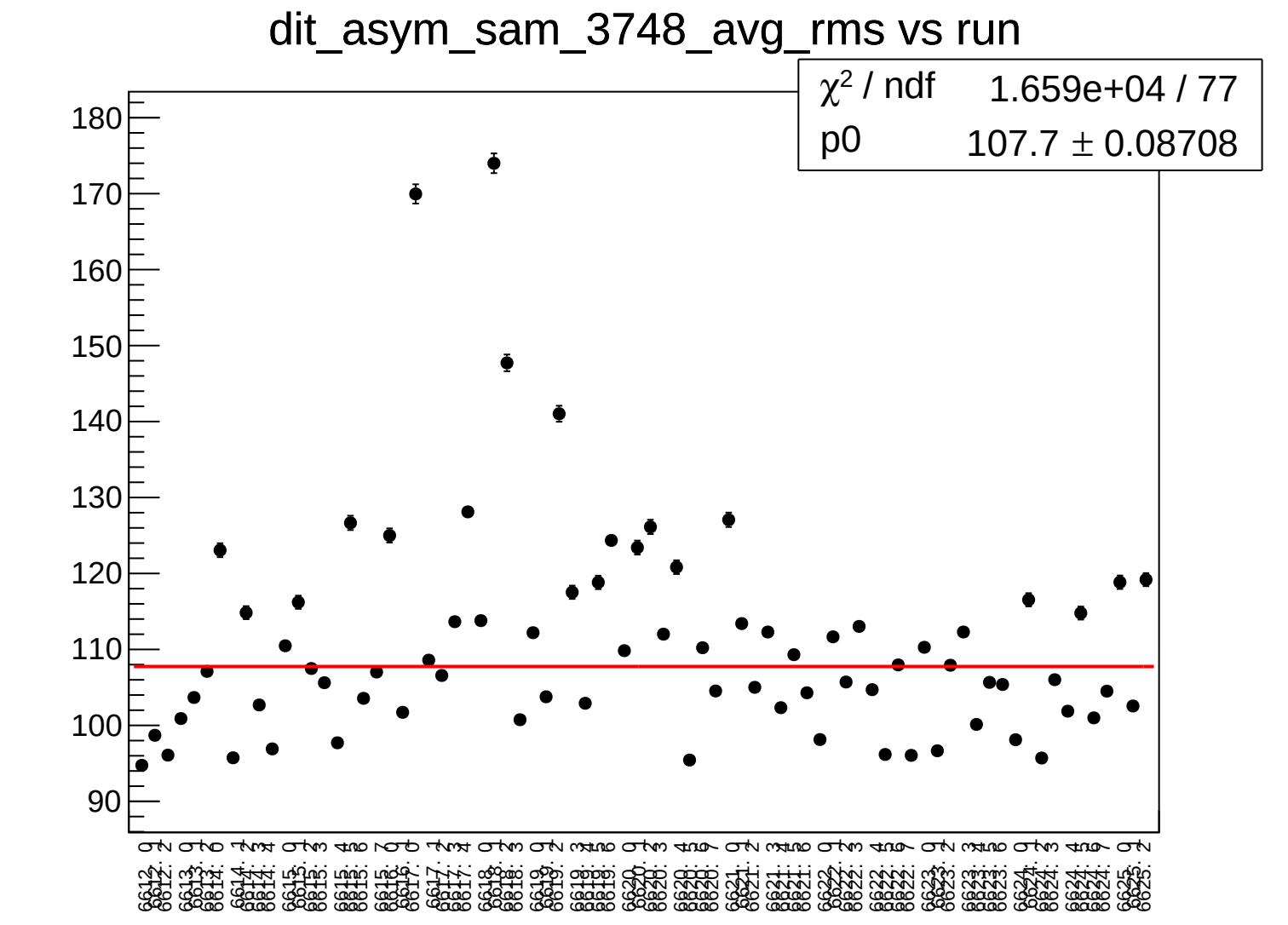

asym_sam_1548_avg_mean vs run
χ² / ndf 70.58 / 77
p0 1920 ± 759.5
20000
10000
0
−10000
−20000
pull
Entries 78
Mean 68.21
Std Dev 138.9
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

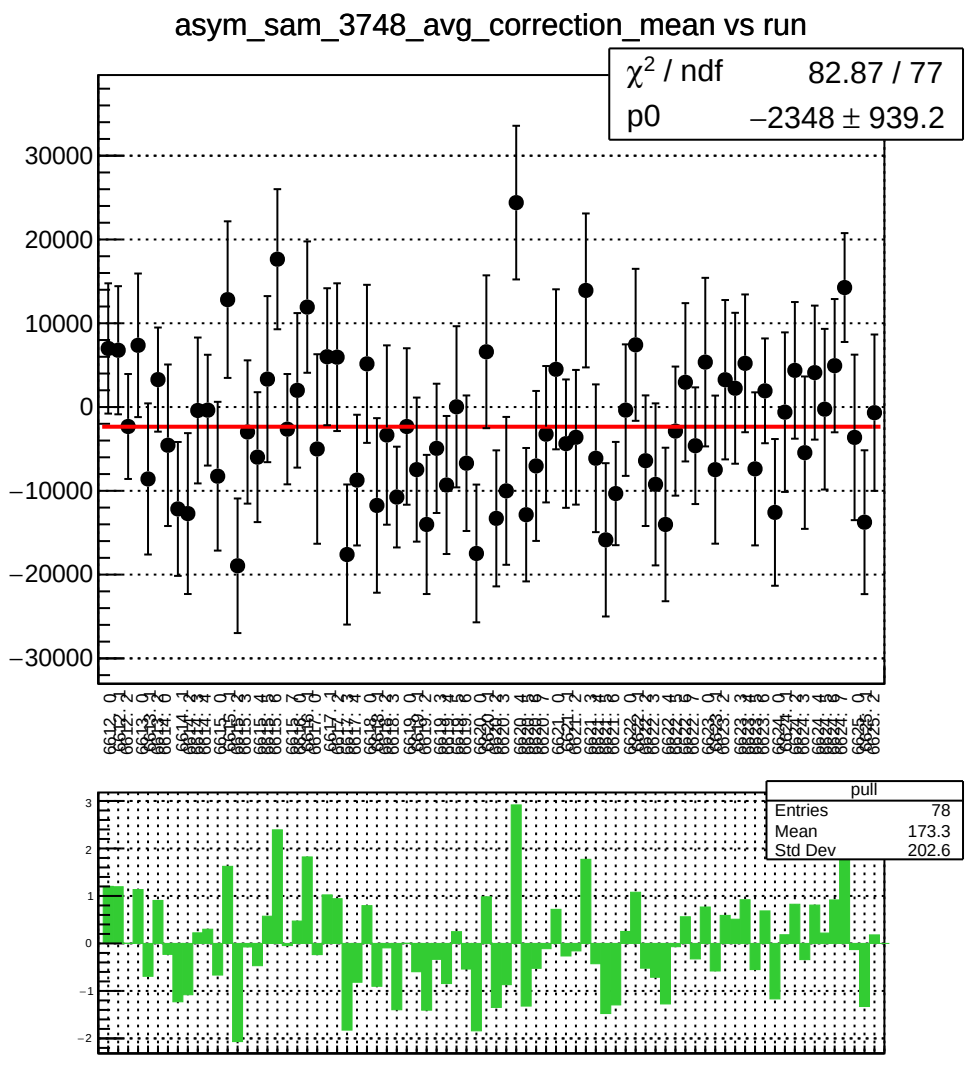

pull1D
Entries 78
Mean 0.004689
Std Dev 0.9513
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

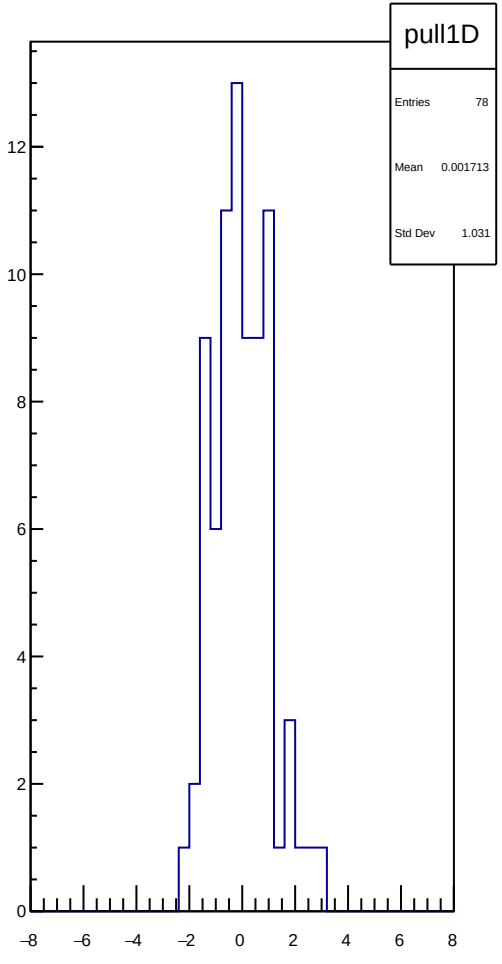

asym_sam_1548_avg_rms vs run
χ² / ndf 6499 / 77
p0 666.7 ± 0.537
850
800
750
700
650
600

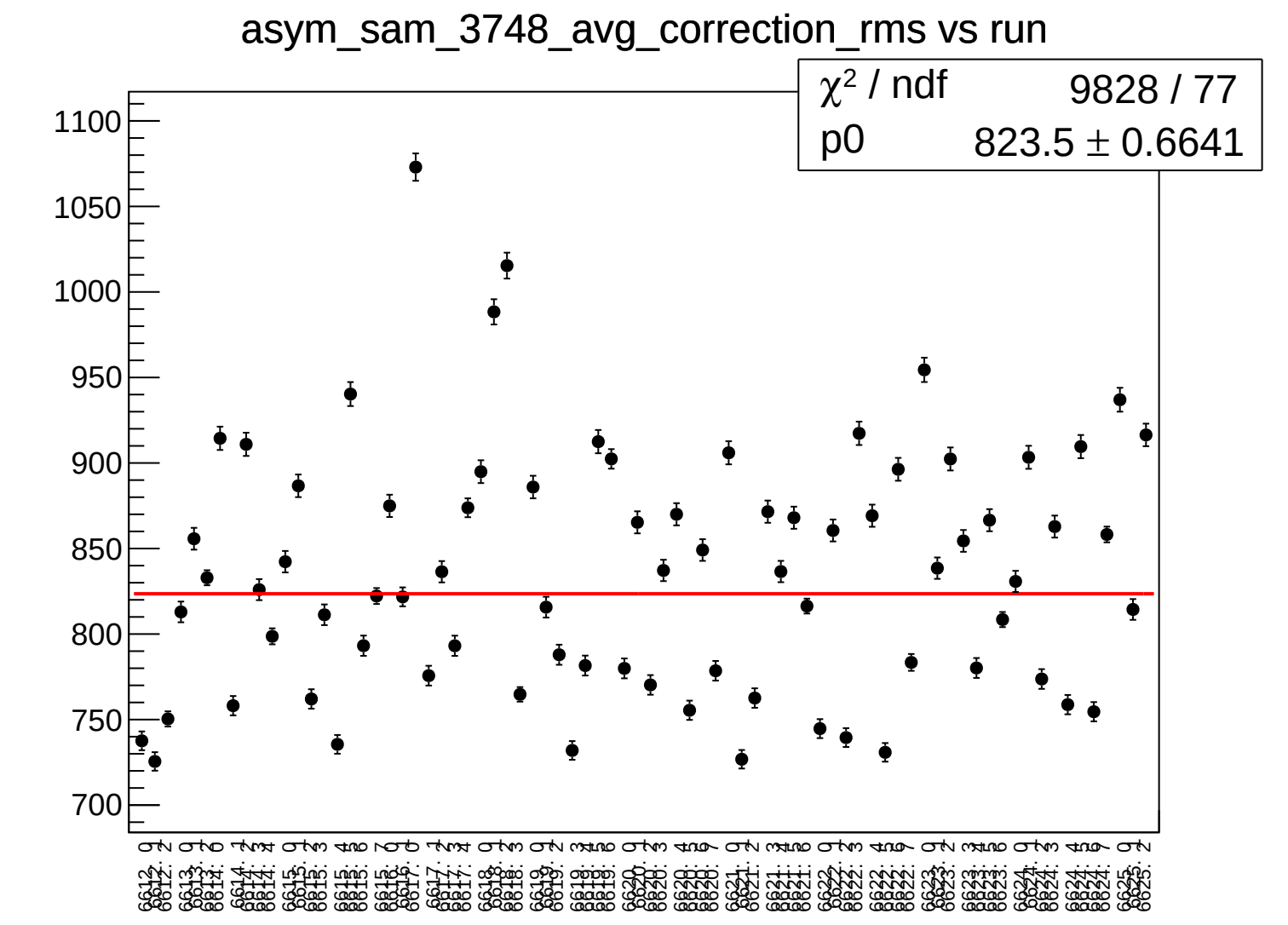

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 66.25 / 77
p0 113.6 ± 123.1
pull
Entries 78
Mean 9.112
Std Dev 39.9

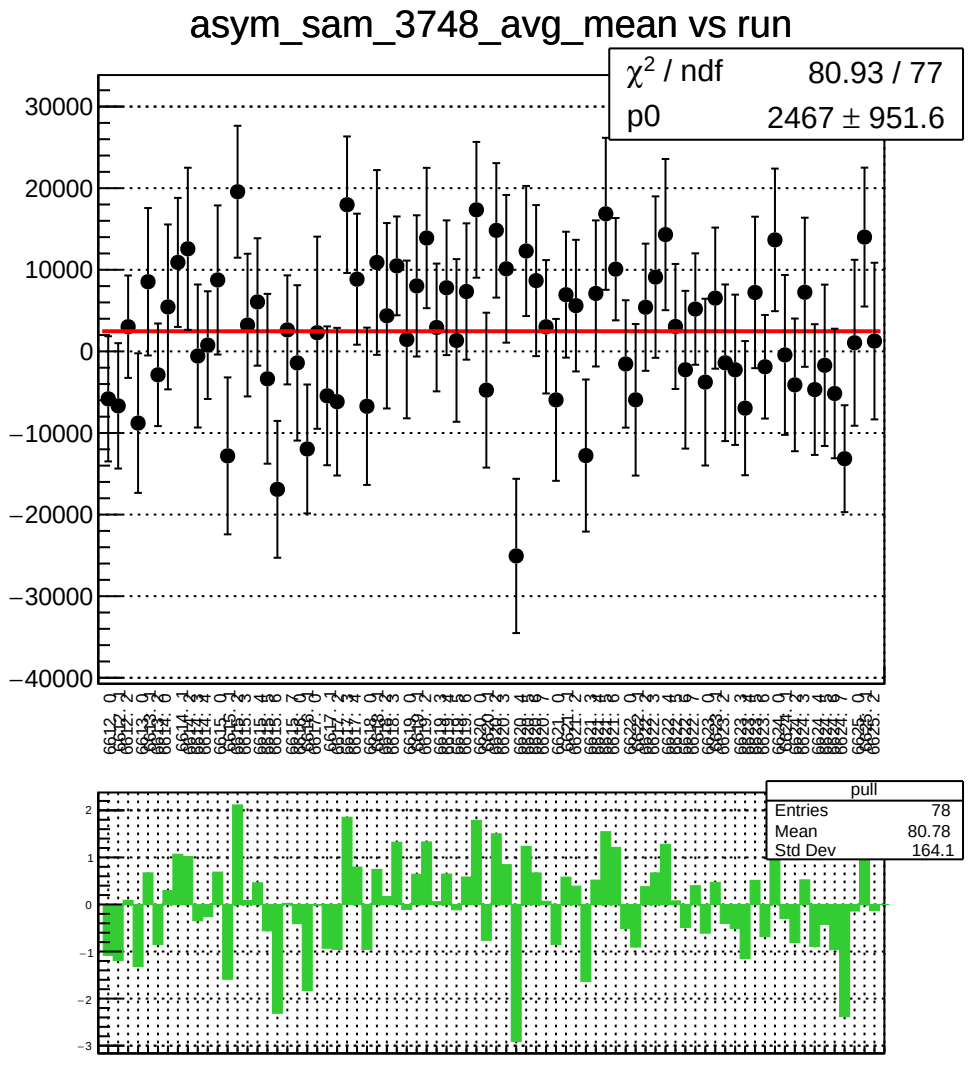

pull1D
Entries 78
Mean −0.01251
Std Dev 0.9215

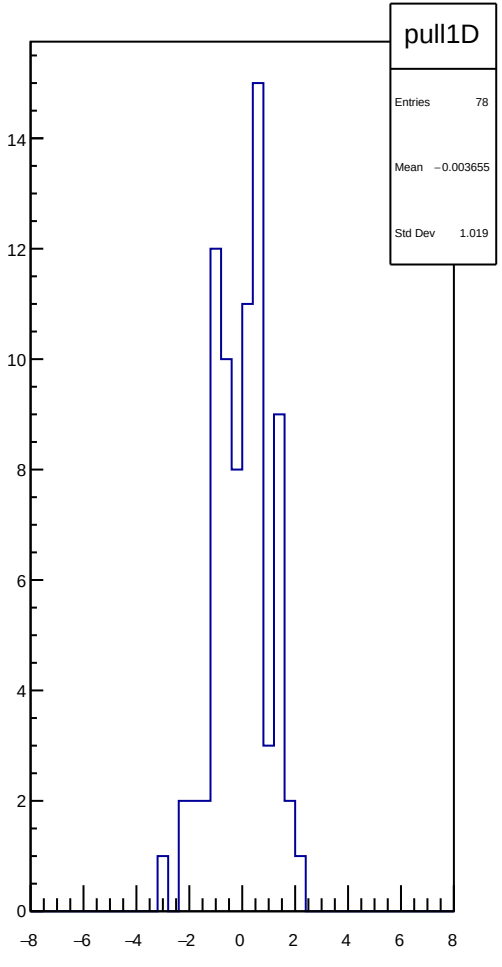

dit_asym_sam_3748_avg_rms vs run
χ^2 / ndf 1.659e+04 / 77
p0 107.7 ± 0.08708
180
170
160
150
140
130
120
110
100
90

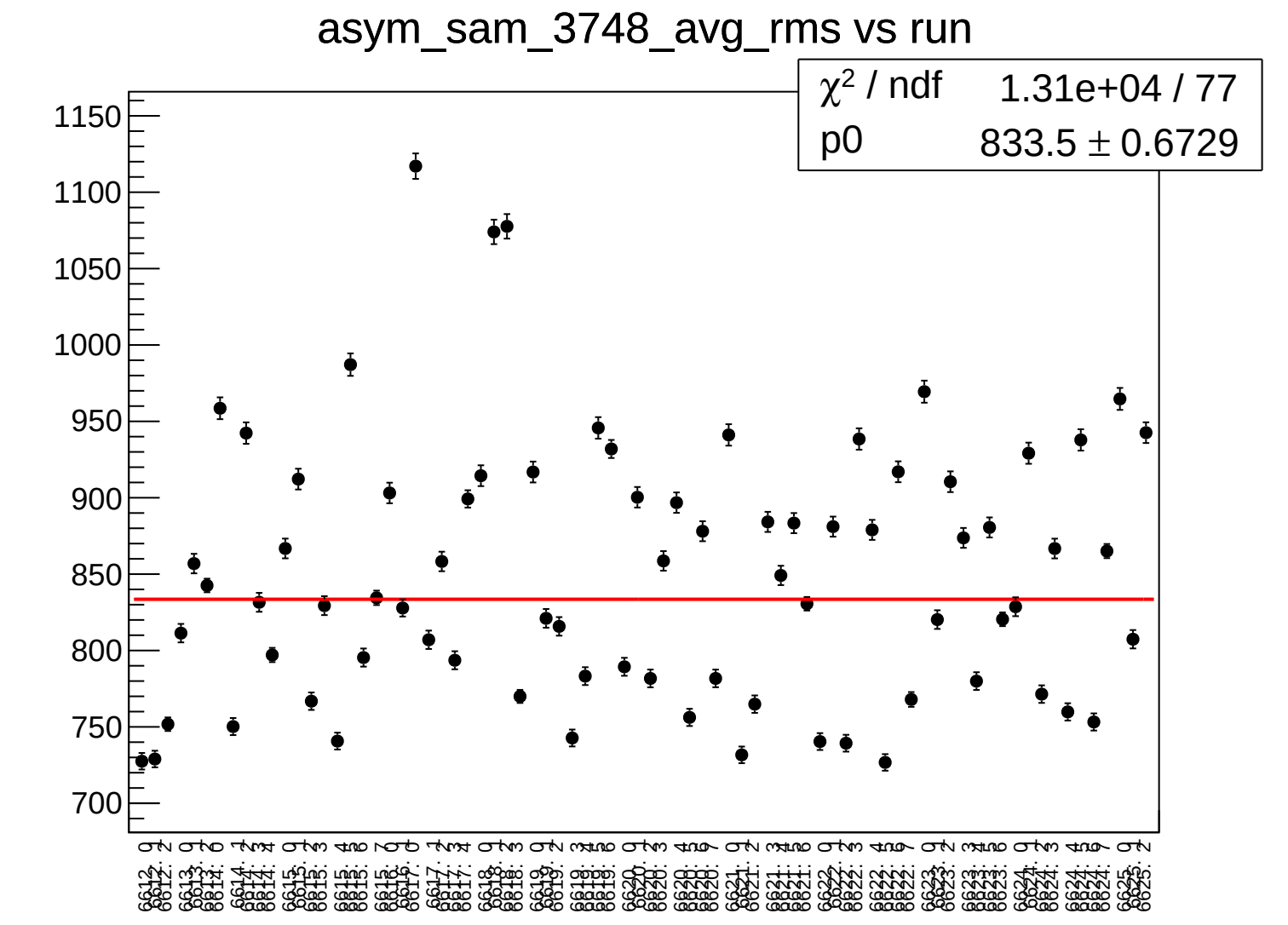

asym_sam_3748_avg_correction_mean vs run
χ² / ndf 82.87 / 77
p0 −2348 ± 939.2
pull
Entries 78
Mean 173.3
Std Dev 202.6

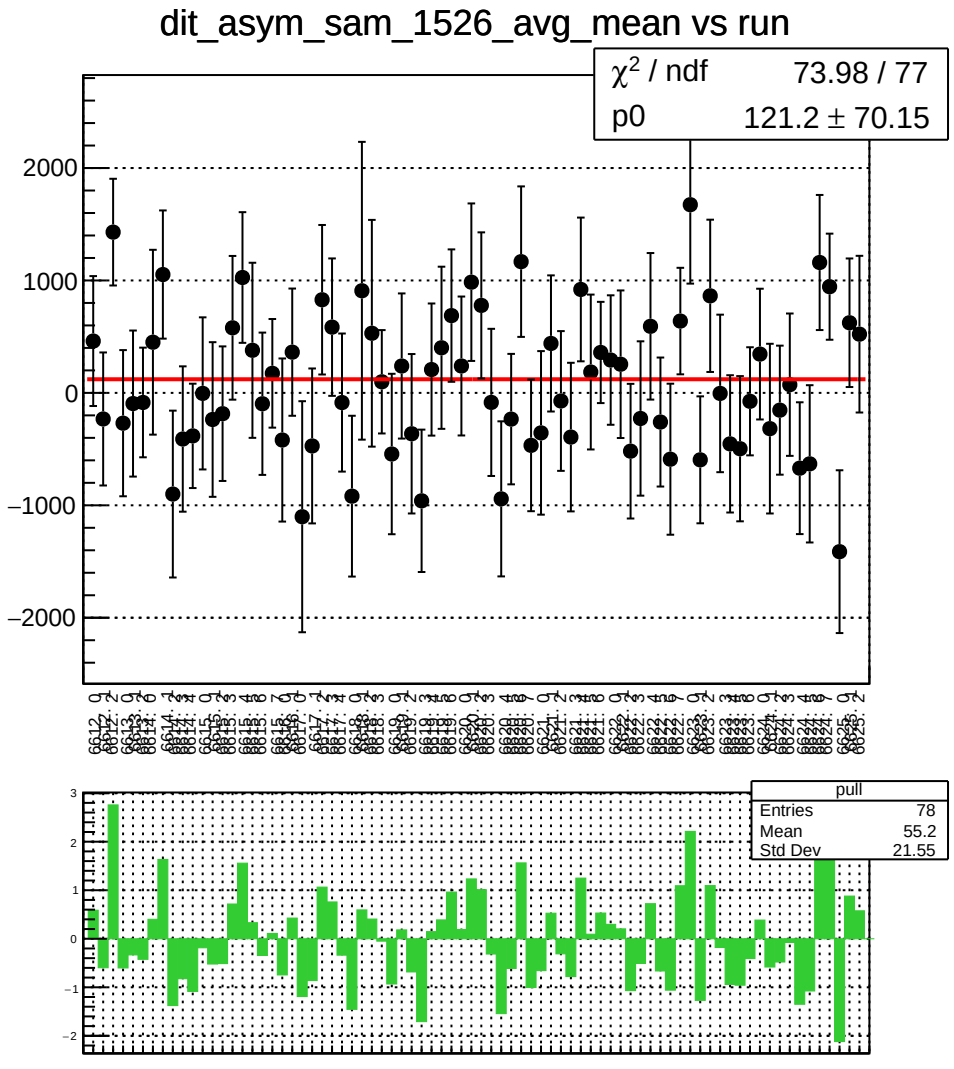

pull1D
Entries 78
Mean 0.001713
Std Dev 1.031

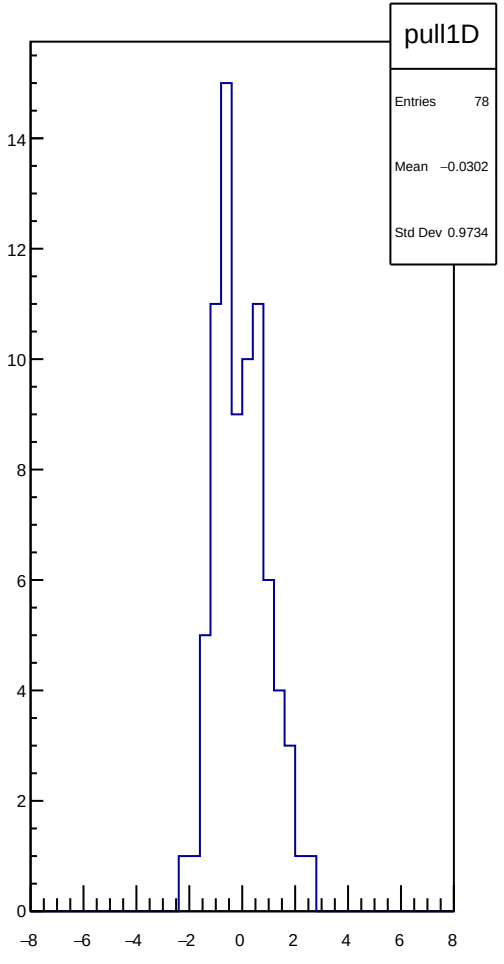

asym_sam_3748_avg_correction_rms vs run
χ² / ndf 9828 / 77
p0 823.5 ± 0.6641
1100
1050
1000
950
900
850
800
750
700

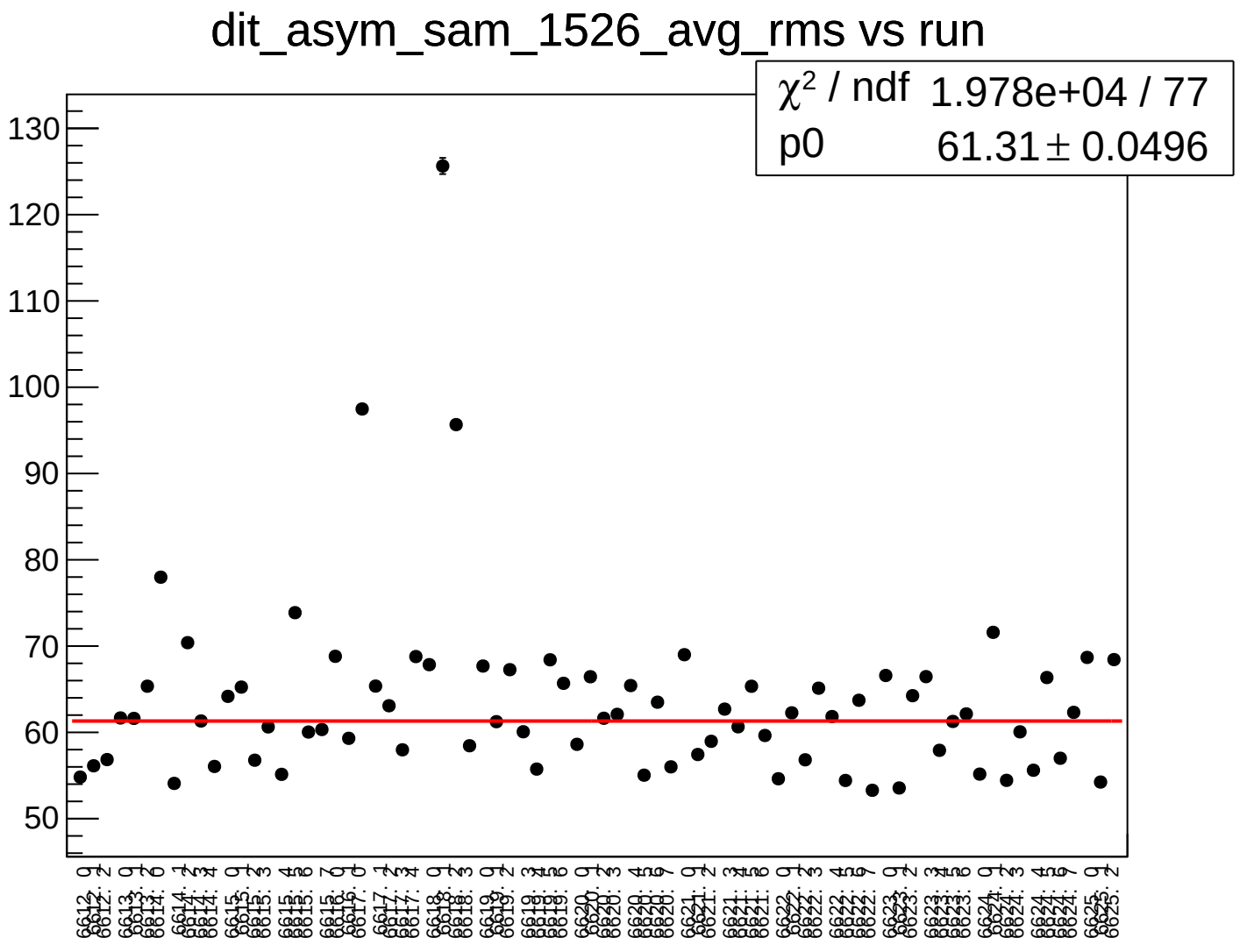

asym_sam_3748_avg_mean vs run
χ² / ndf 80.93 / 77
p0 2467 ± 951.6
pull
Entries 78
Mean 80.78
Std Dev 164.1

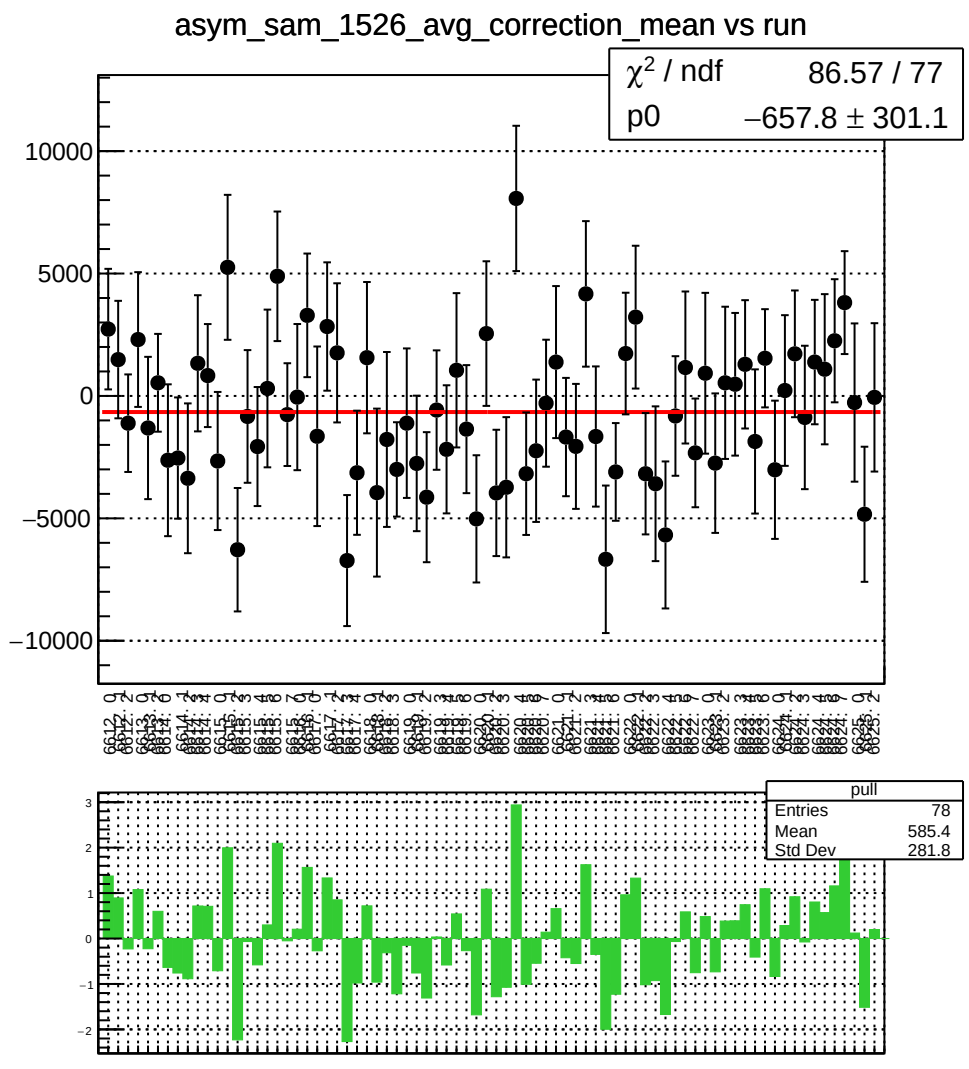

pull1D
Entries 78
Mean −0.003655
Std Dev 1.019

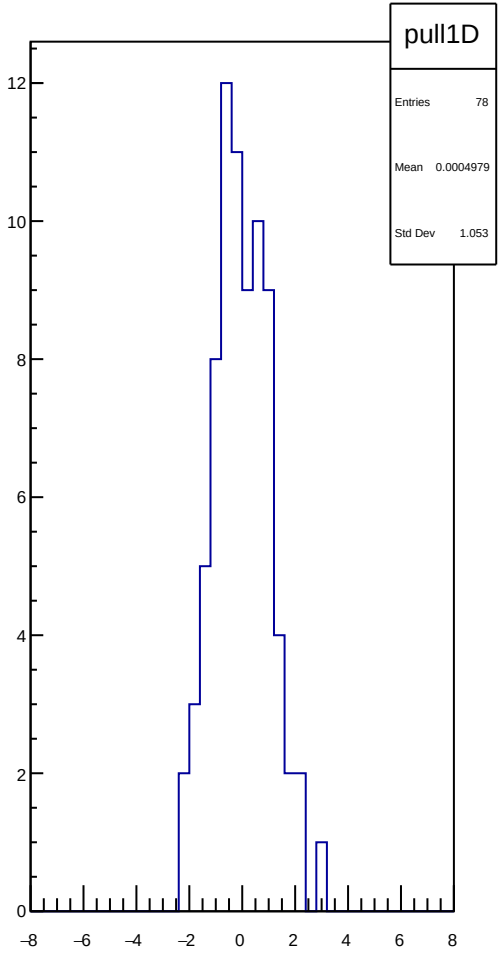

asym_sam_3748_avg_rms vs run
χ² / ndf 1.31e+04 / 77
p0 833.5 ± 0.6729
1150
1100
1050
1000
950
900
850
800
750
700

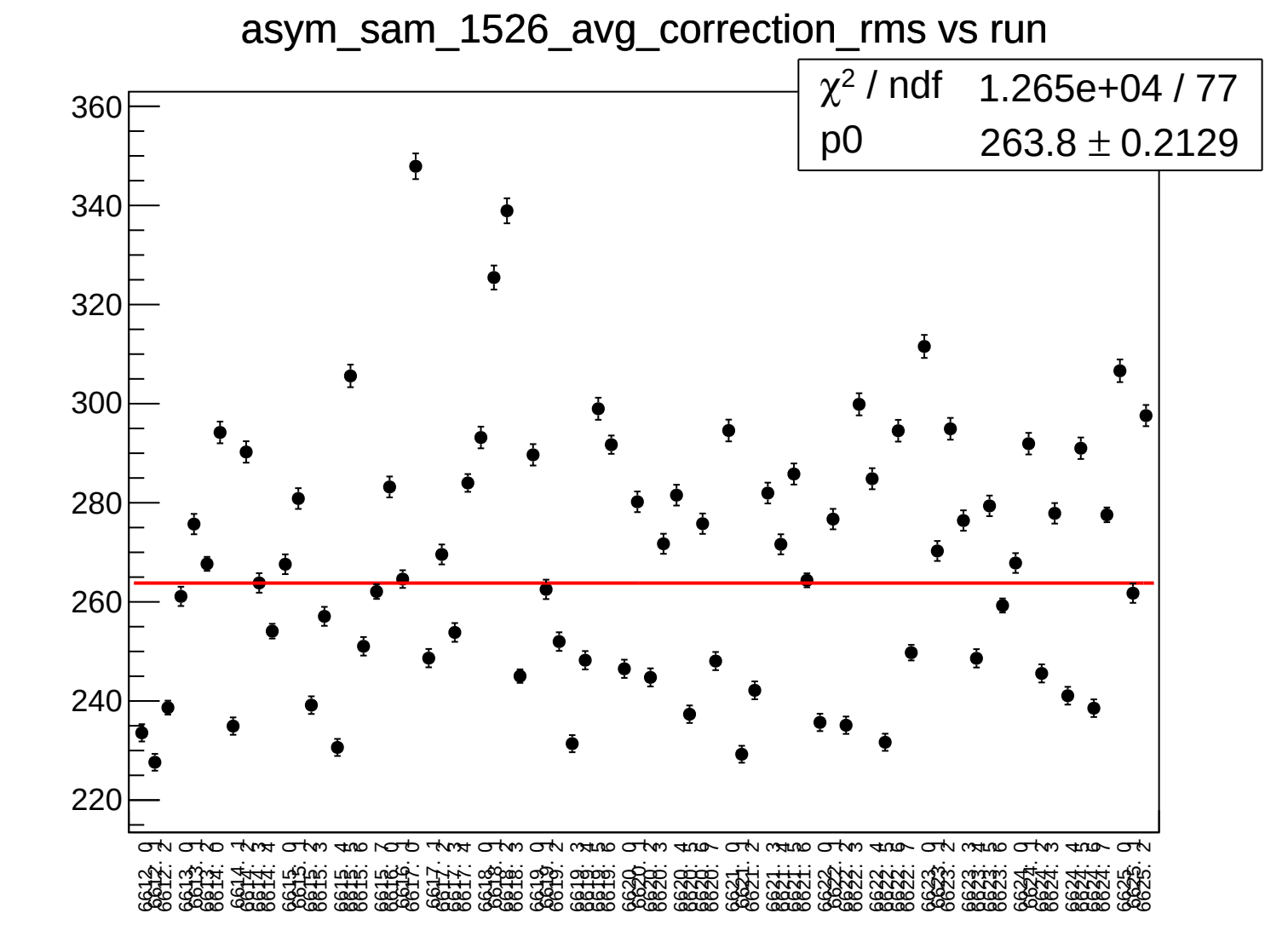

dit_asym_sam_1526_avg_mean vs run
χ^2 / ndf 73.98 / 77
p0 121.2 ± 70.15
2000
1000
0
−1000
−2000
pull
Entries 78
Mean 55.2
Std Dev 21.55
3
2
1
0
−1
−2

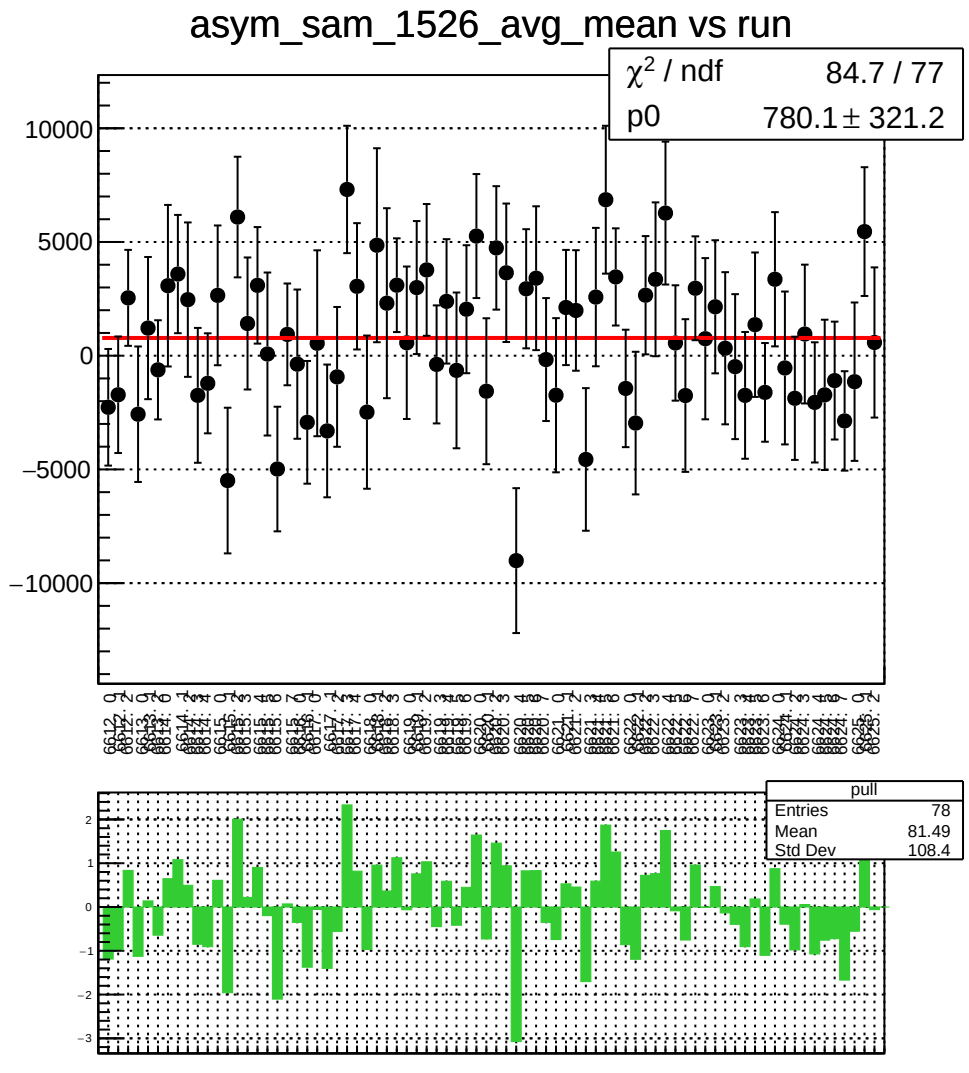

pull1D
Entries 78
Mean −0.0302
Std Dev 0.9734
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

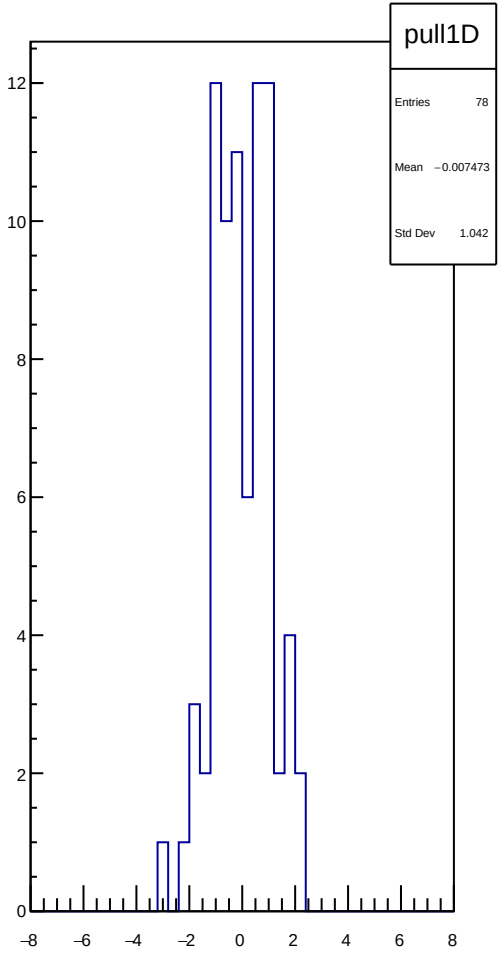

dit_asym_sam_1526_avg_rms vs run
χ² / ndf 1.978e+04 / 77
p0 61.31 ± 0.0496
130
120
110
100
90
80
70
60
50

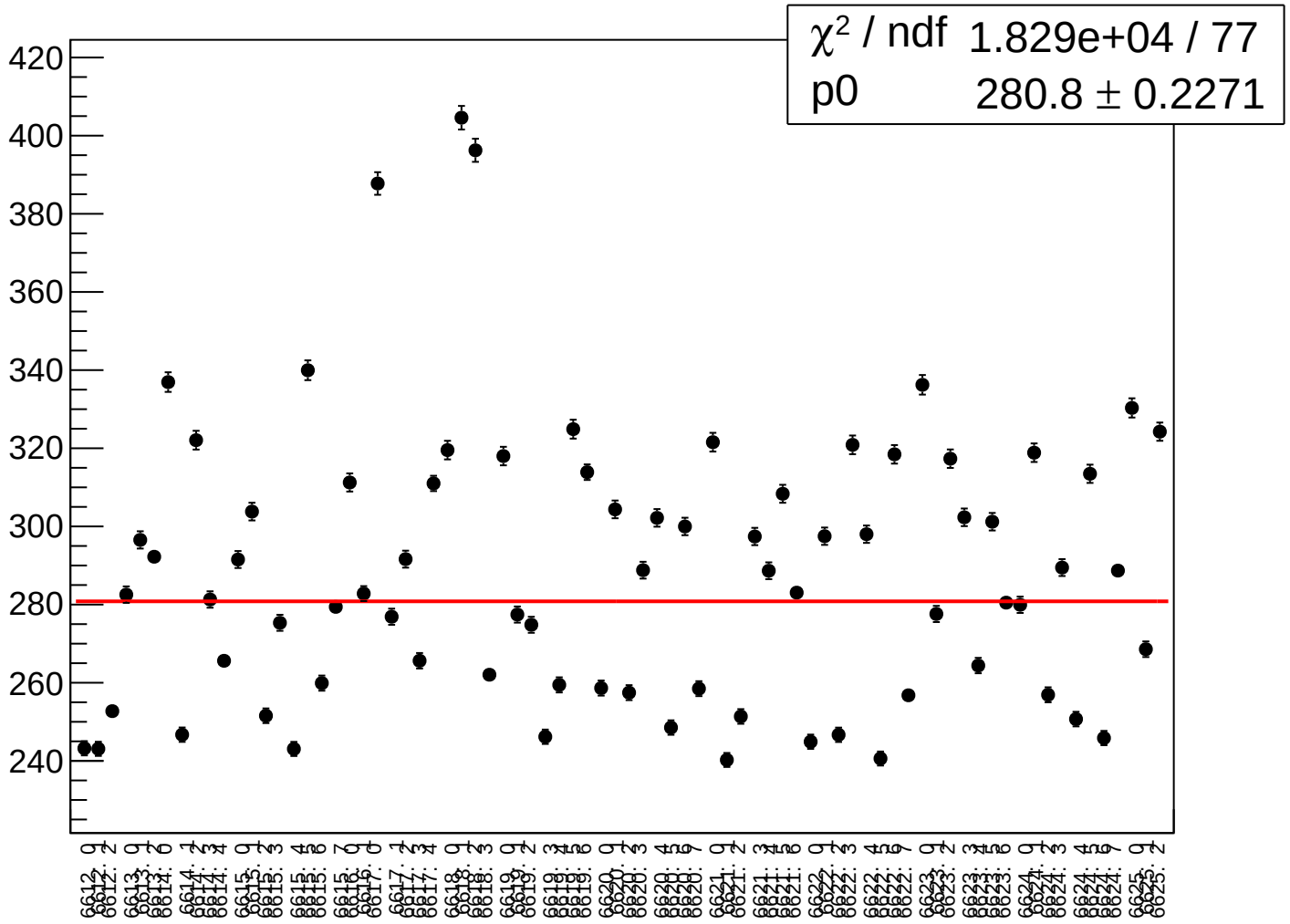

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 86.57 / 77
p0 −657.8 ± 301.1
10000
5000
0
−5000
−10000
pull
Entries 78
Mean 585.4
Std Dev 281.8
3
2
1
0
−1
−2

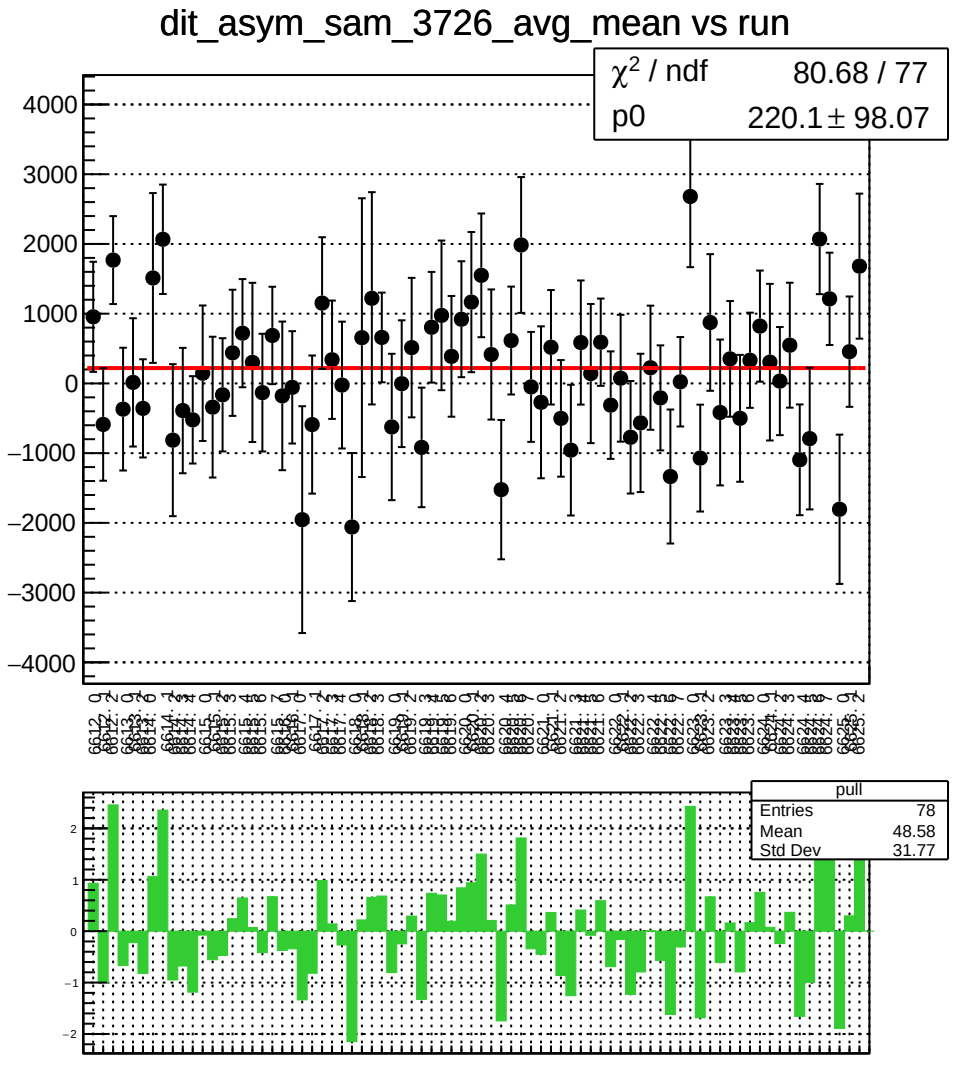

pull1D
Entries 78
Mean 0.0004979
Std Dev 1.053
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

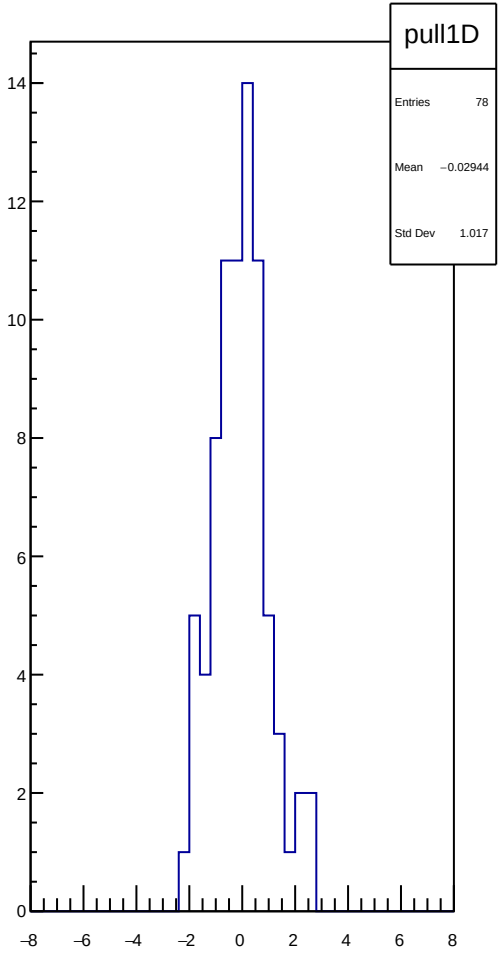

asym_sam_1526_avg_correction_rms vs run
χ² / ndf 1.265e+04 / 77
p0 263.8 ± 0.2129
360
340
320
300
280
260
240
220

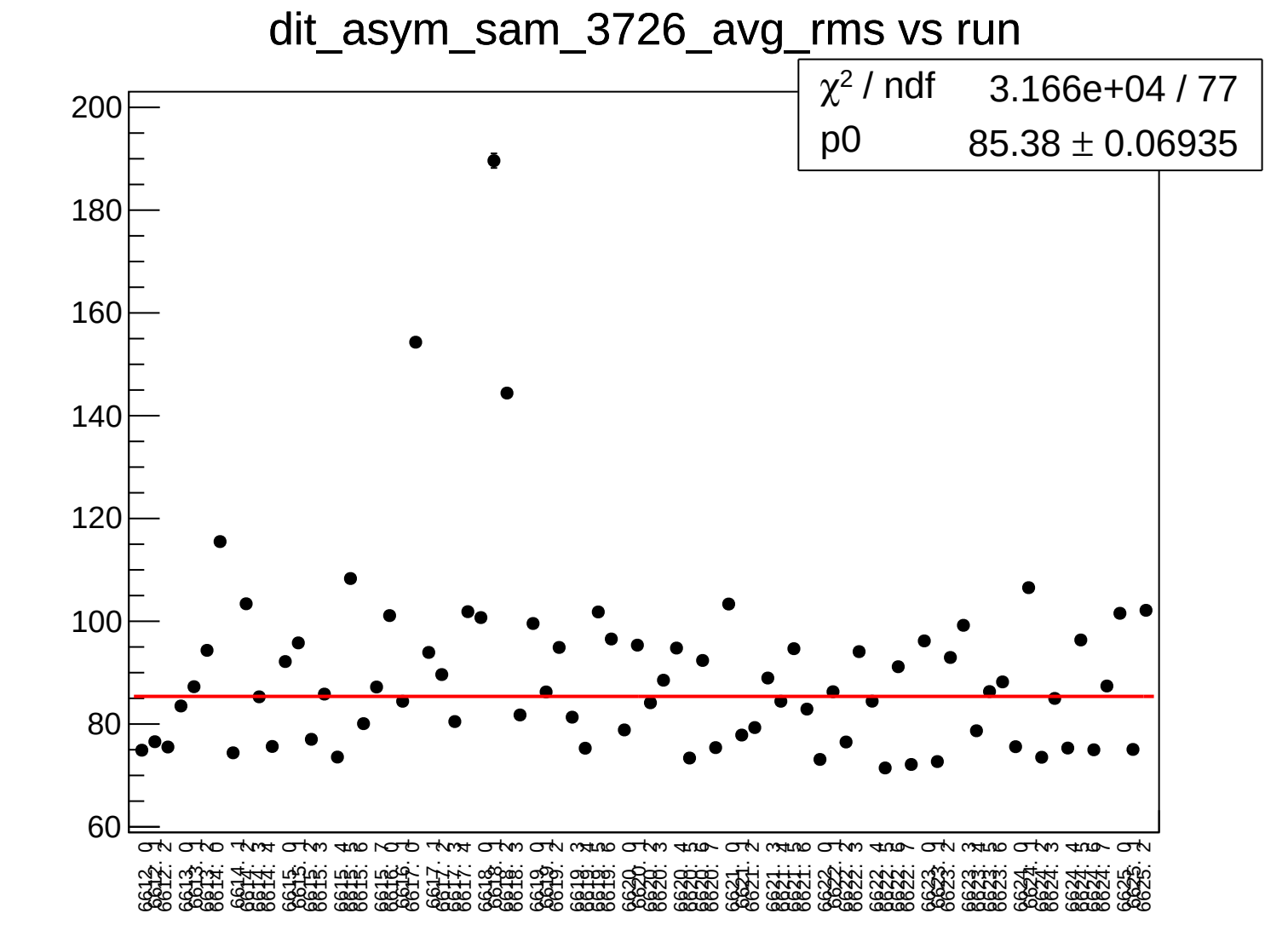

asym_sam_1526_avg_mean vs run
χ² / ndf 84.7 / 77
p0 780.1 ± 321.2
10000
5000
0
−5000
−10000
pull
Entries 78
Mean 81.49
Std Dev 108.4
2
1
0
−1
−2
−3

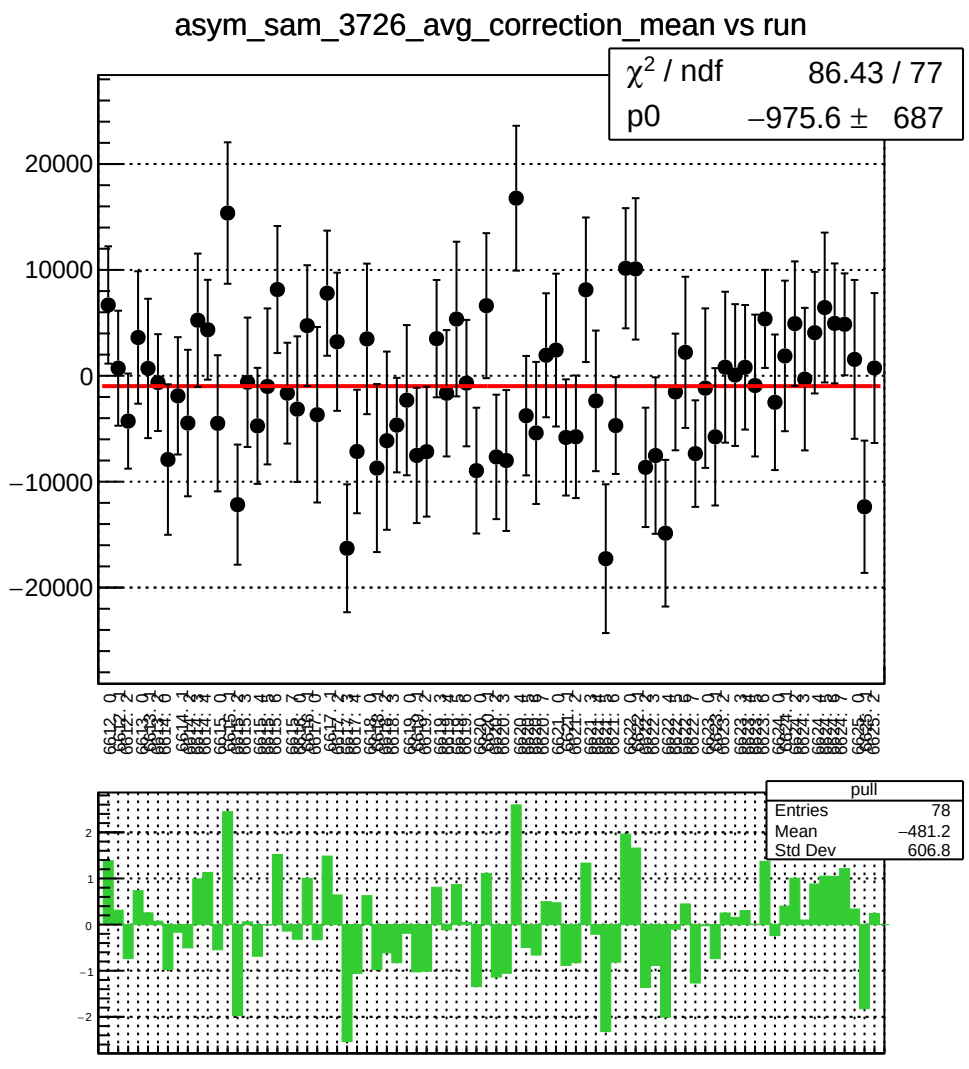

pull1D
Entries 78
Mean −0.007473
Std Dev 1.042
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

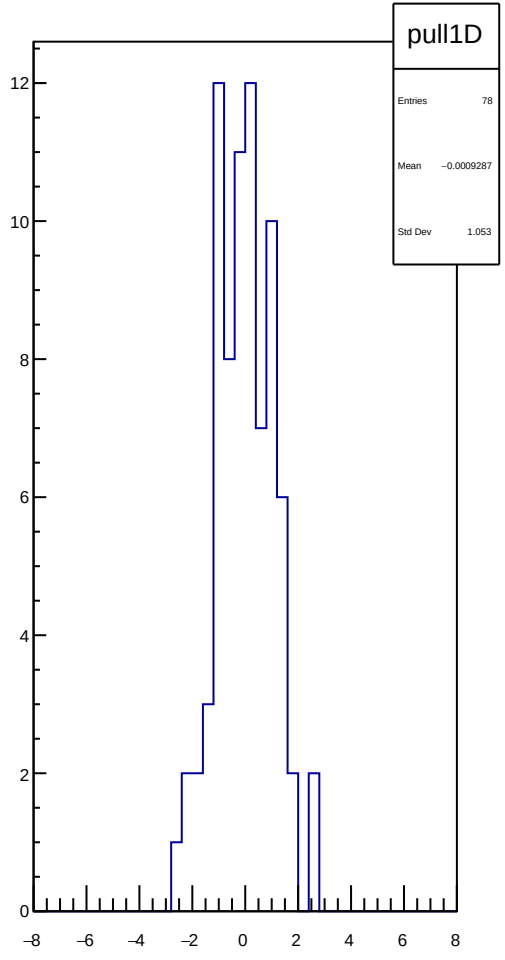

asym_sam_1526_avg_rms vs run
χ² / ndf 1.829e+04 / 77
p0 280.8 ± 0.2271
420
400
380
360
340
320
300
280
260
240

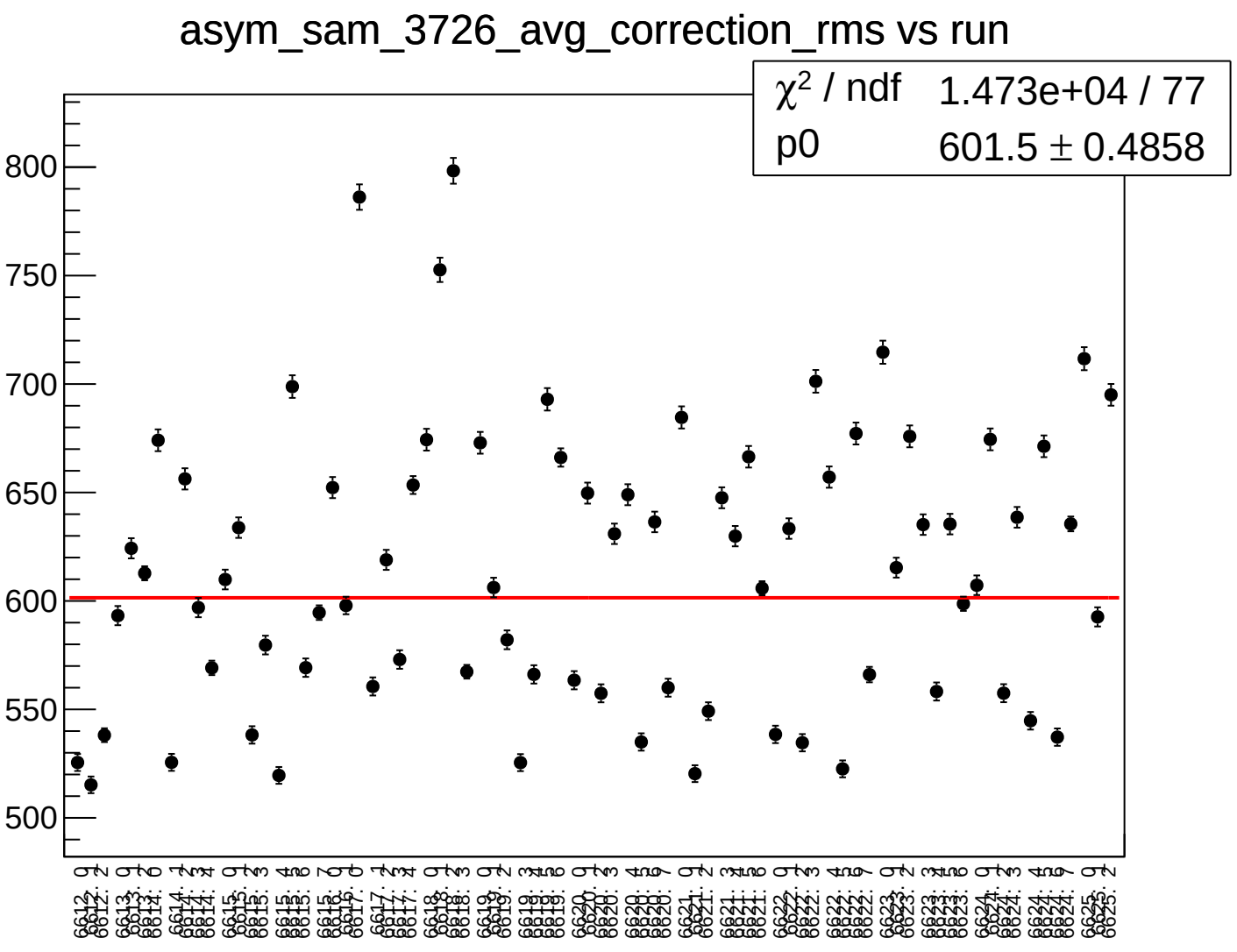

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 80.68 / 77
p0 220.1 ± 98.07
pull
Entries 78
Mean 48.58
Std Dev 31.77

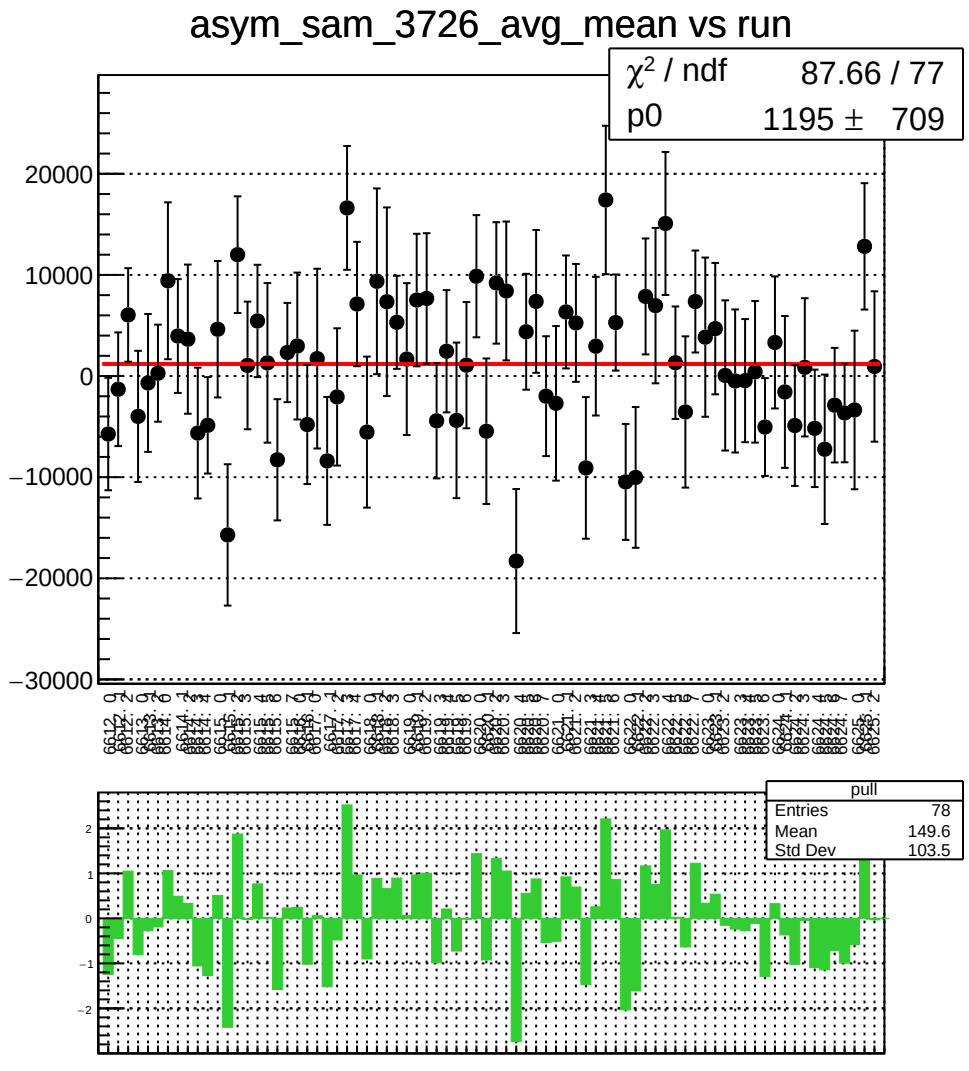

pull1D
Entries 78
Mean −0.02944
Std Dev 1.017

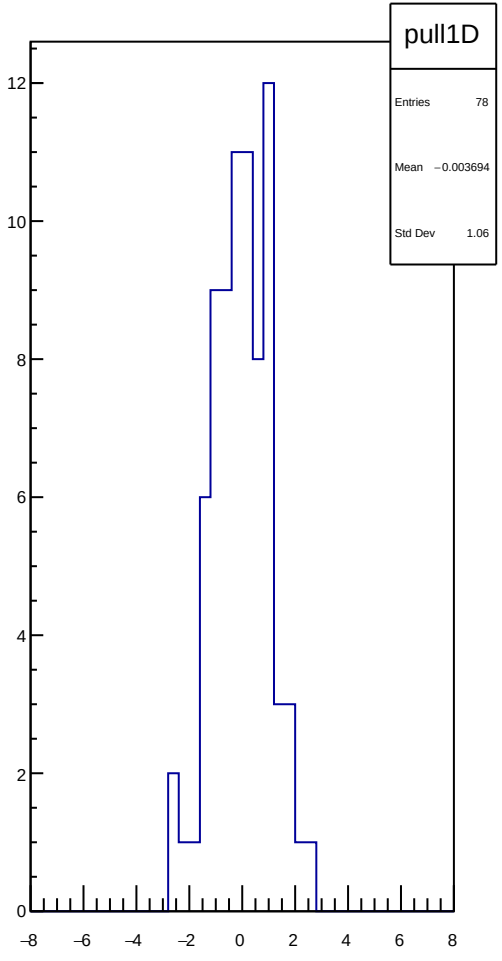

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 3.166e+04 / 77
p0 85.38 ± 0.06935
200
180
160
140
120
100
80
60

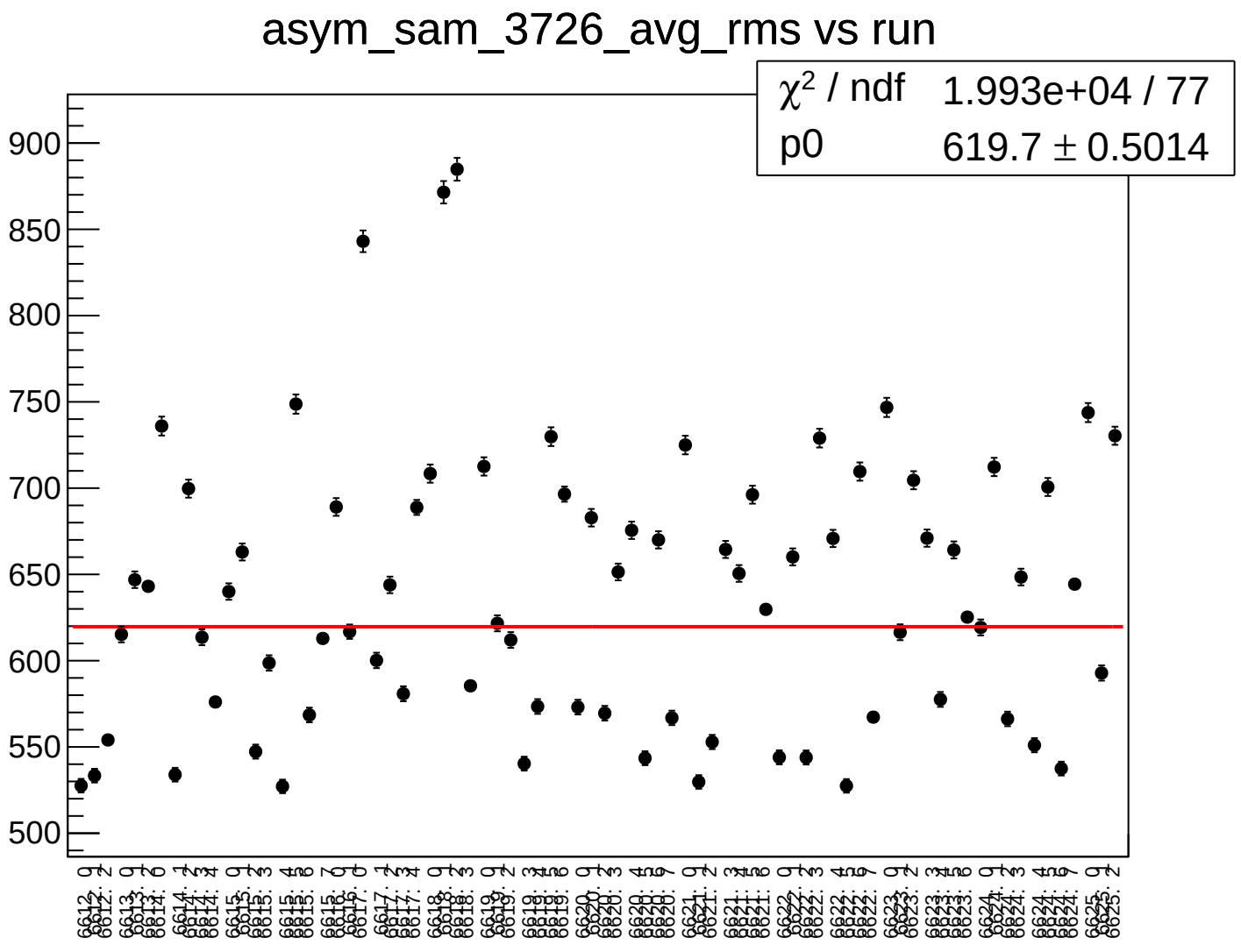

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 86.43 / 77
p0 −975.6 ± 687
20000
10000
0
−10000
−20000
pull
Entries 78
Mean −481.2
Std Dev 606.8
2
1
0
−1
−2

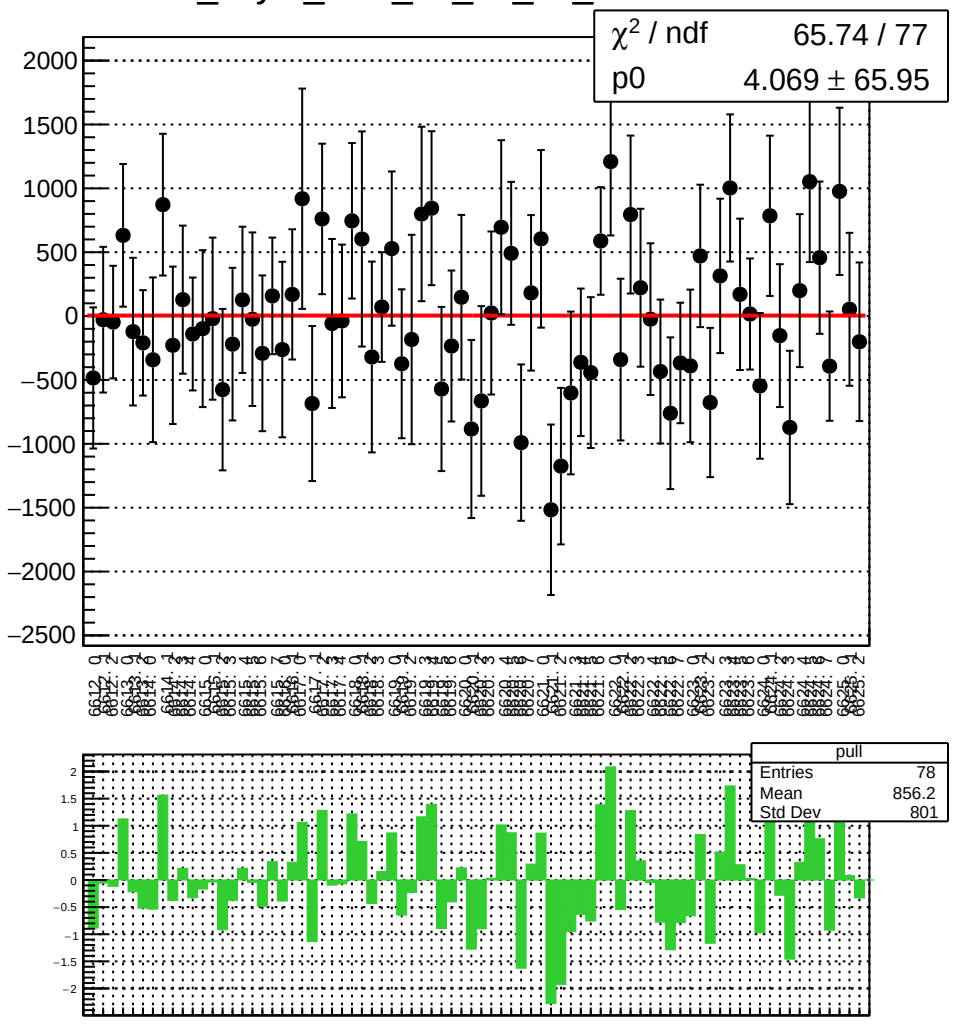

pull1D
Entries 78
Mean −0.0009287
Std Dev 1.053
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

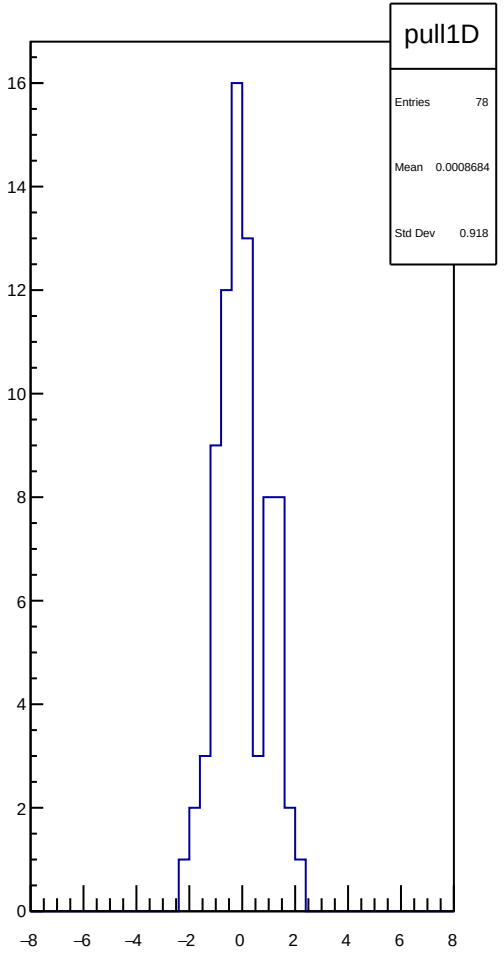

asym_sam_3726_avg_correction_rms vs run
χ² / ndf 1.473e+04 / 77
p0 601.5 ± 0.4858
800
750
700
650
600
550
500

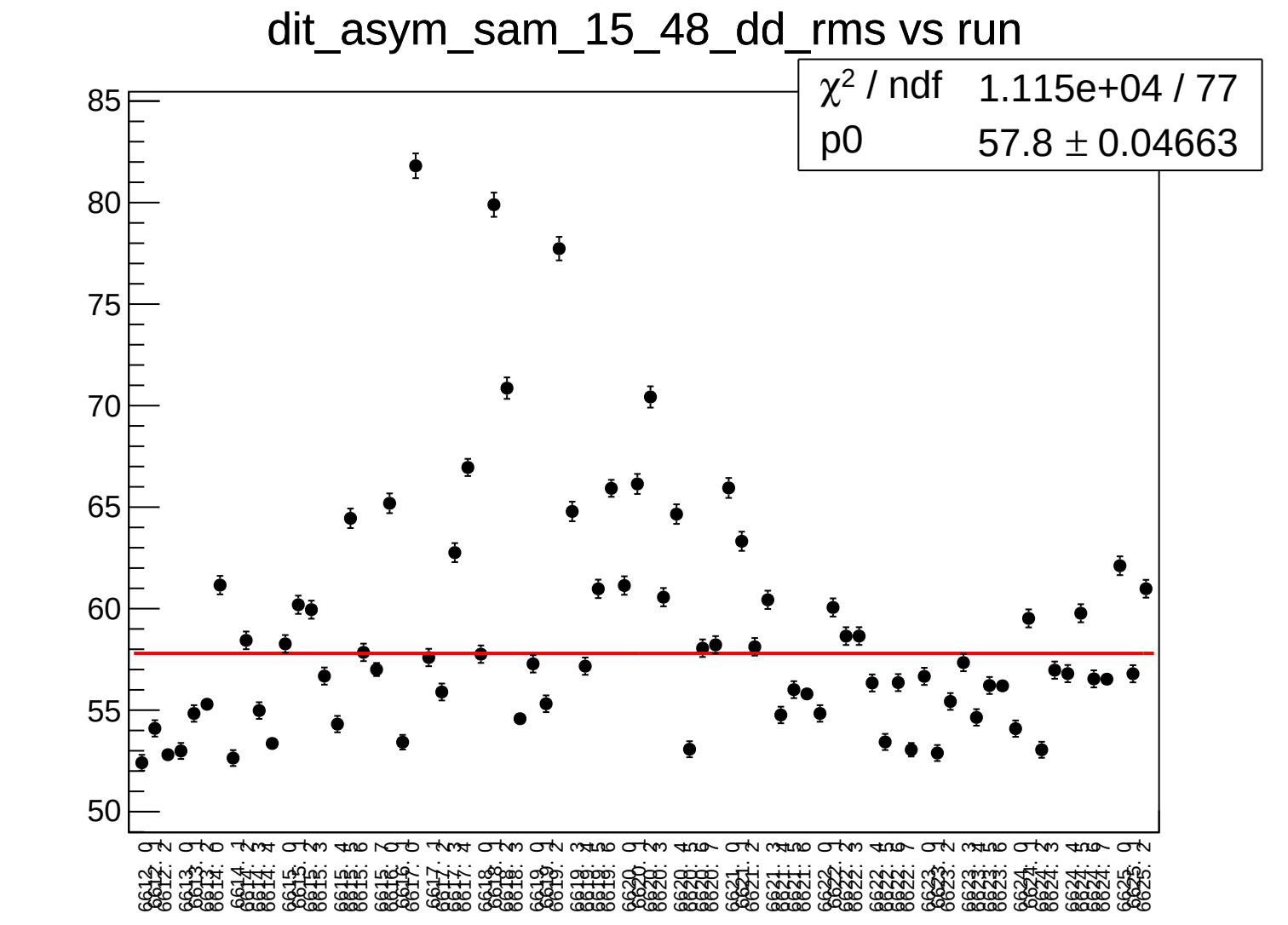

asym_sam_3726_avg_mean vs run
χ² / ndf 87.66 / 77
p0 1195 ± 709
20000
10000
0
−10000
−20000
−30000
pull
Entries 78
Mean 149.6
Std Dev 103.5
2
1
0
−1
−2

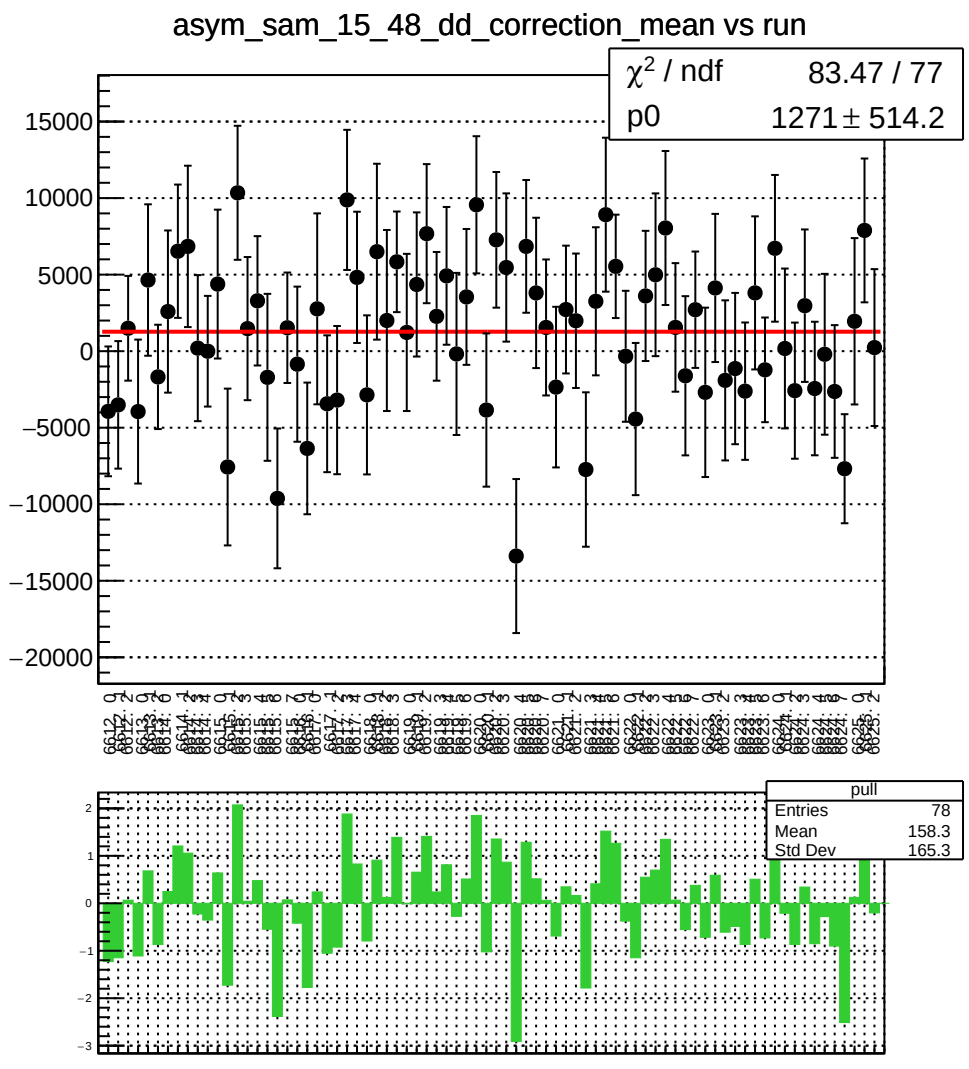

pull1D
Entries 78
Mean −0.003694
Std Dev 1.06
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

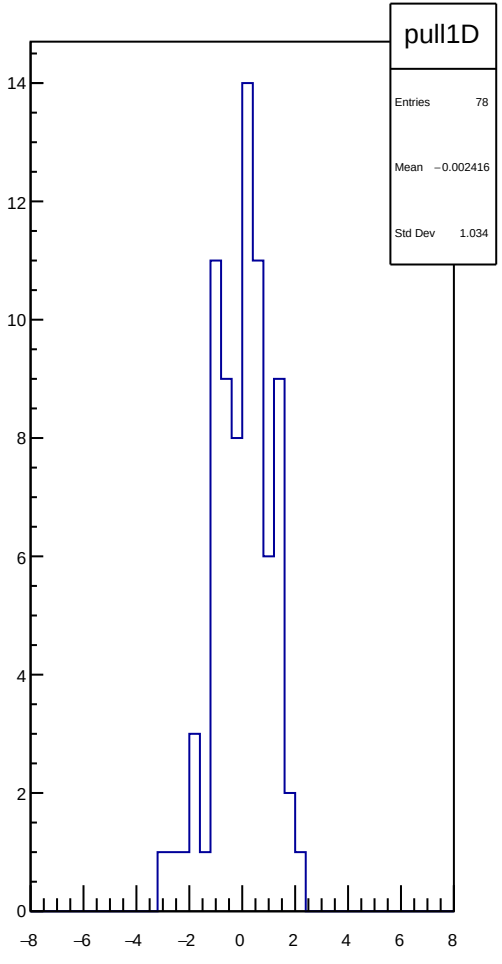

asym_sam_3726_avg_rms vs run
χ^2 / ndf 1.993e+04 / 77
p0 619.7 ± 0.5014
900
850
800
750
700
650
600
550
500

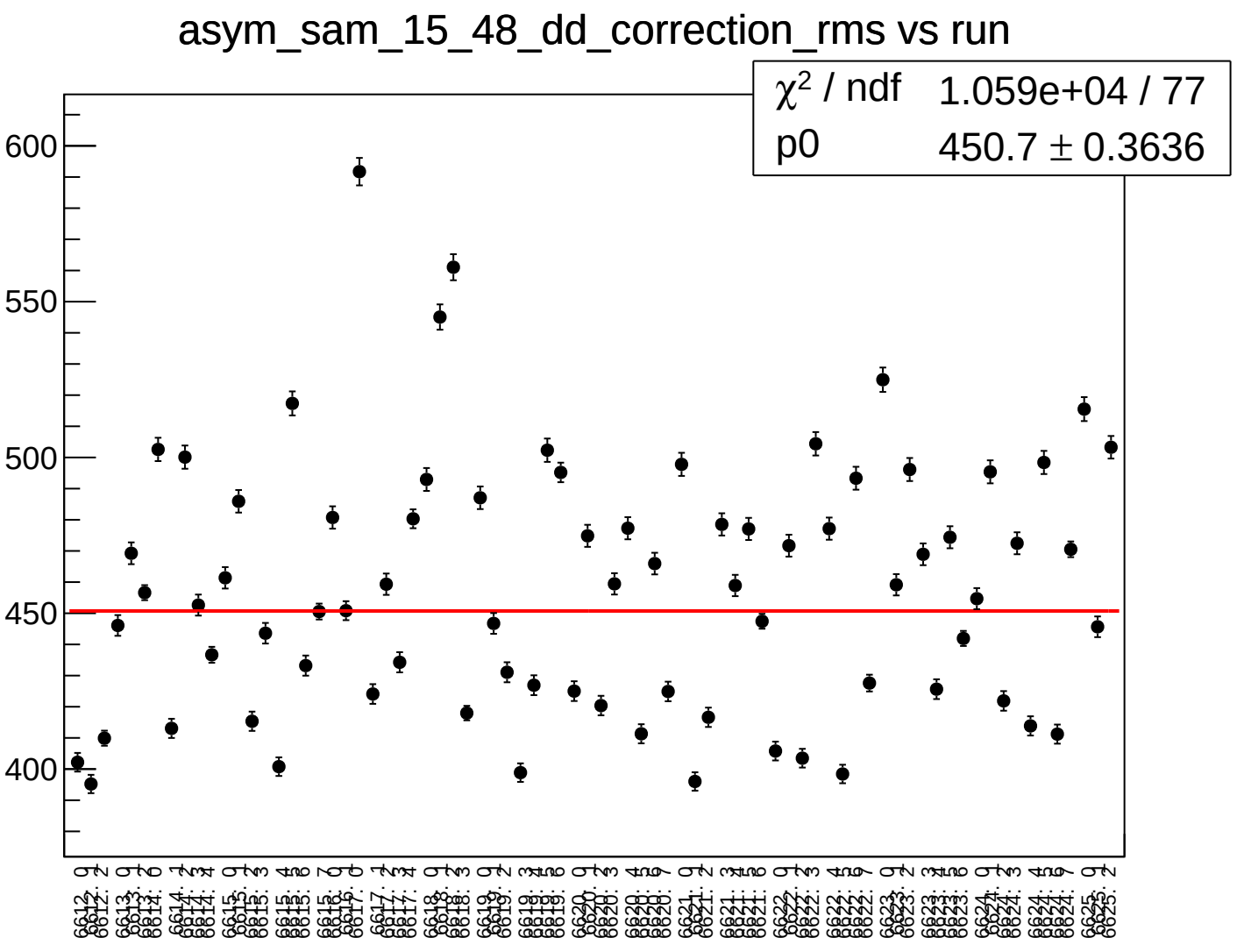

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 65.74 / 77
p0 4.069 ± 65.95
pull
Entries 78
Mean 856.2
Std Dev 801

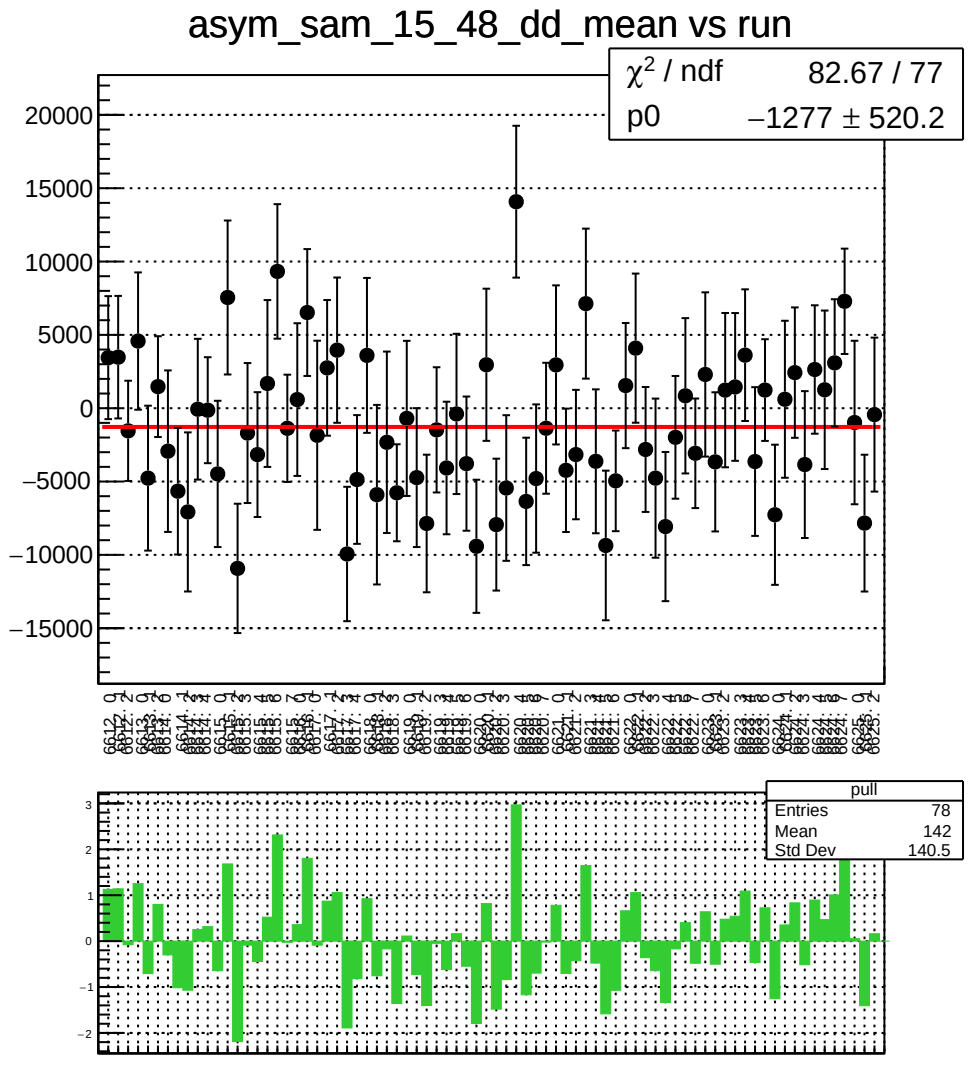

pull1D
Entries 78
Mean 0.0008684
Std Dev 0.918

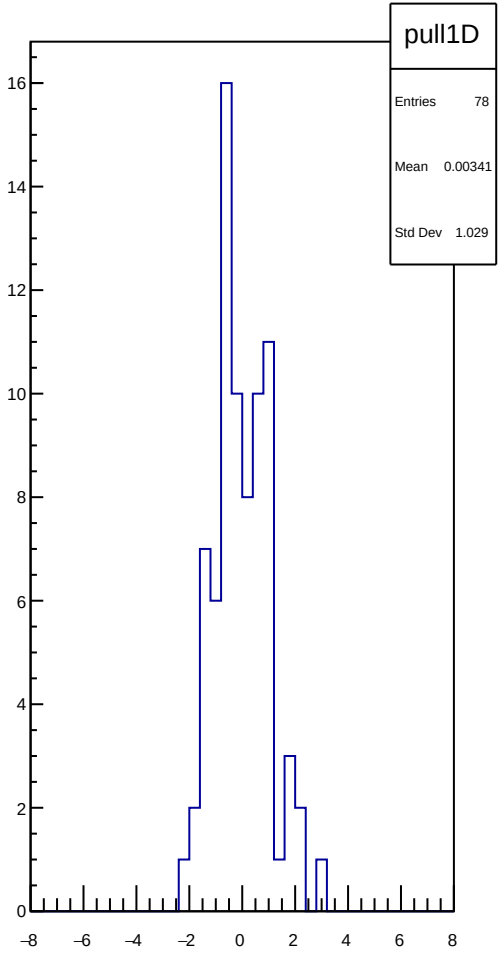

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 1.115e+04 / 77
p0 57.8 ± 0.04663
85
80
75
70
65
60
55
50

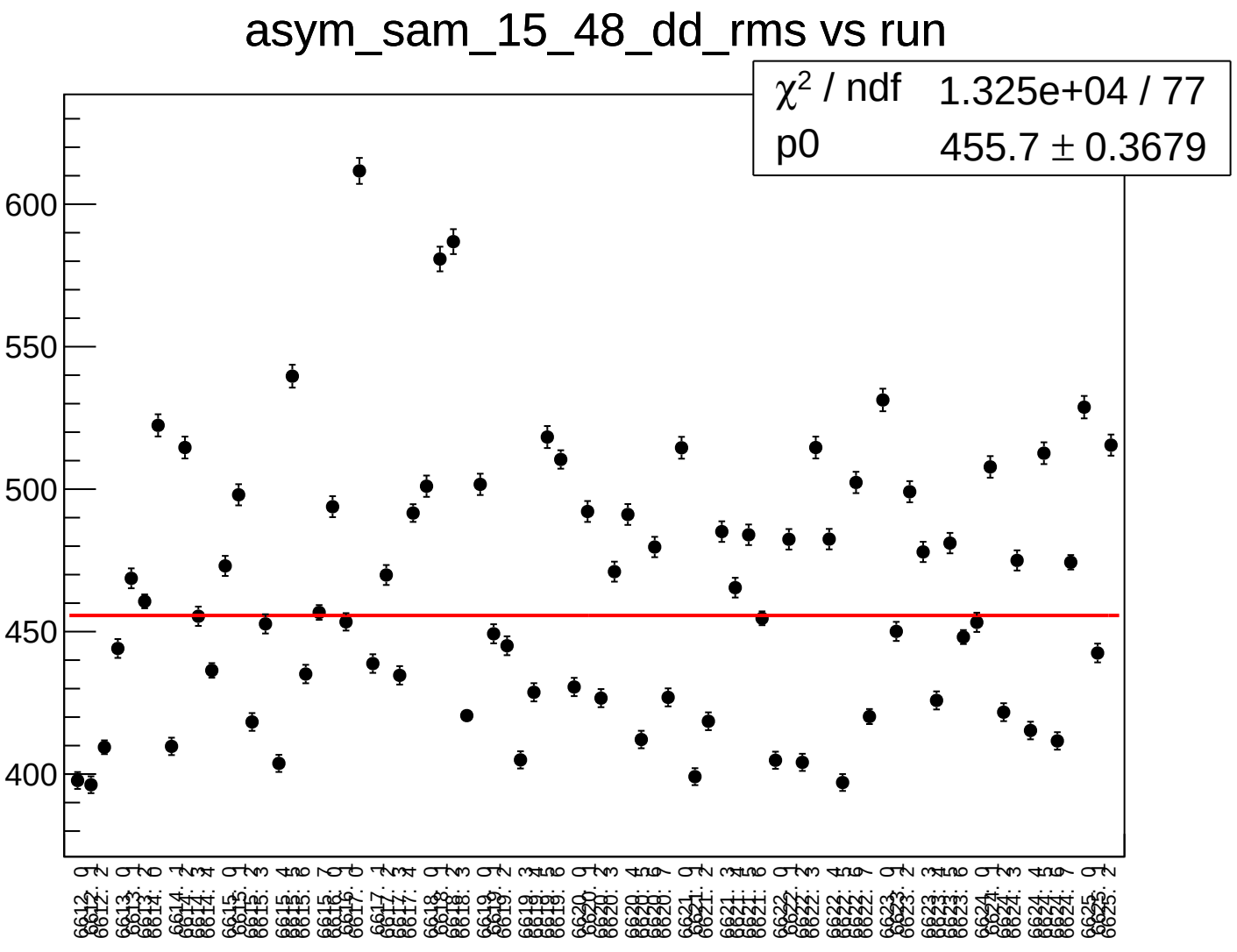

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 83.47 / 77
p0 1271 ± 514.2
pull
Entries 78
Mean 158.3
Std Dev 165.3

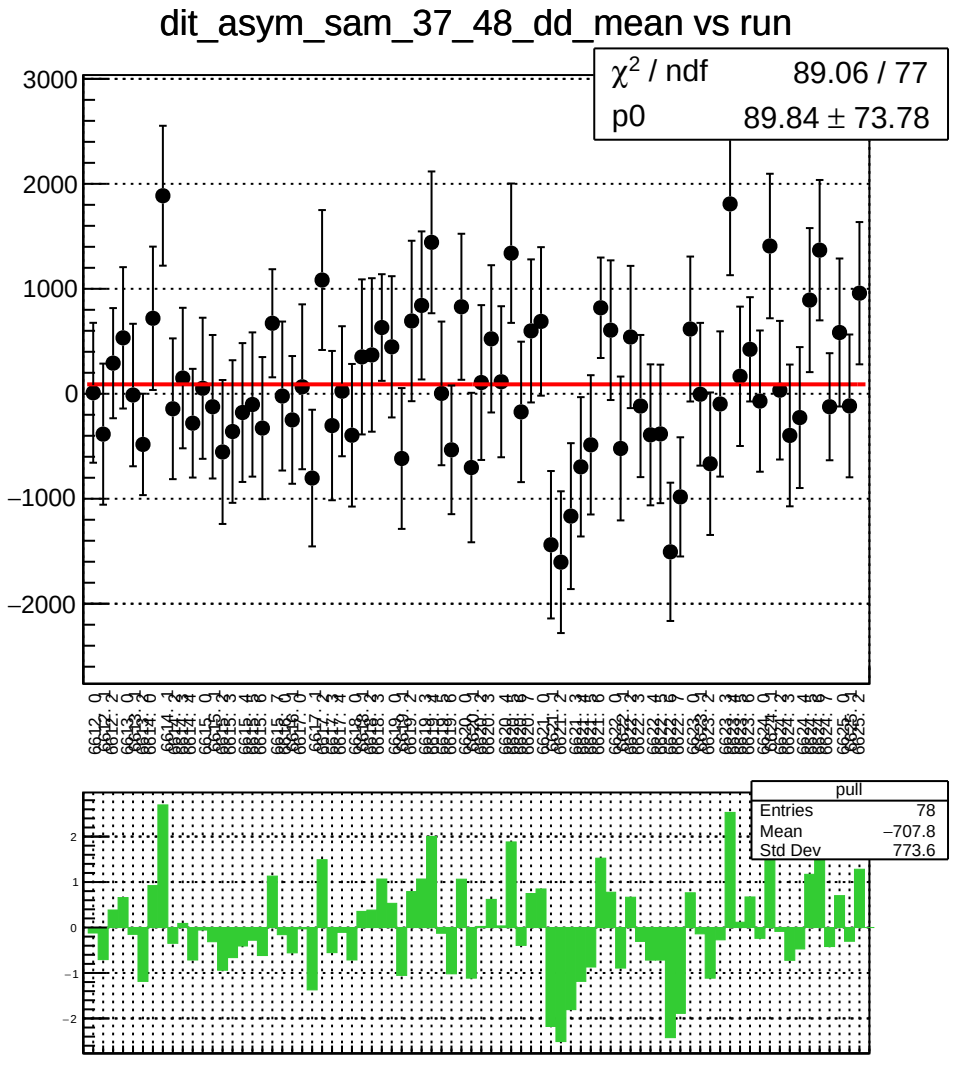

pull1D
Entries 78
Mean −0.002416
Std Dev 1.034

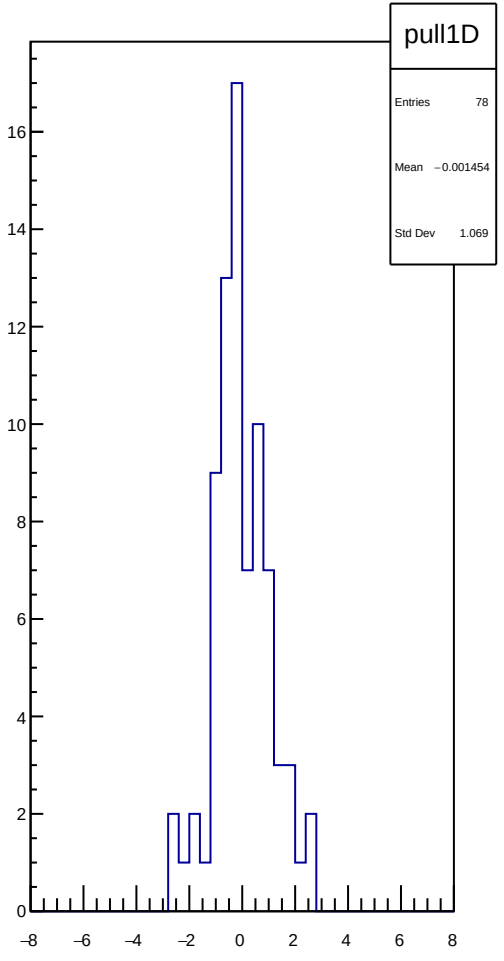

asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 1.059e+04 / 77
p0 450.7 ± 0.3636
600
550
500
450
400

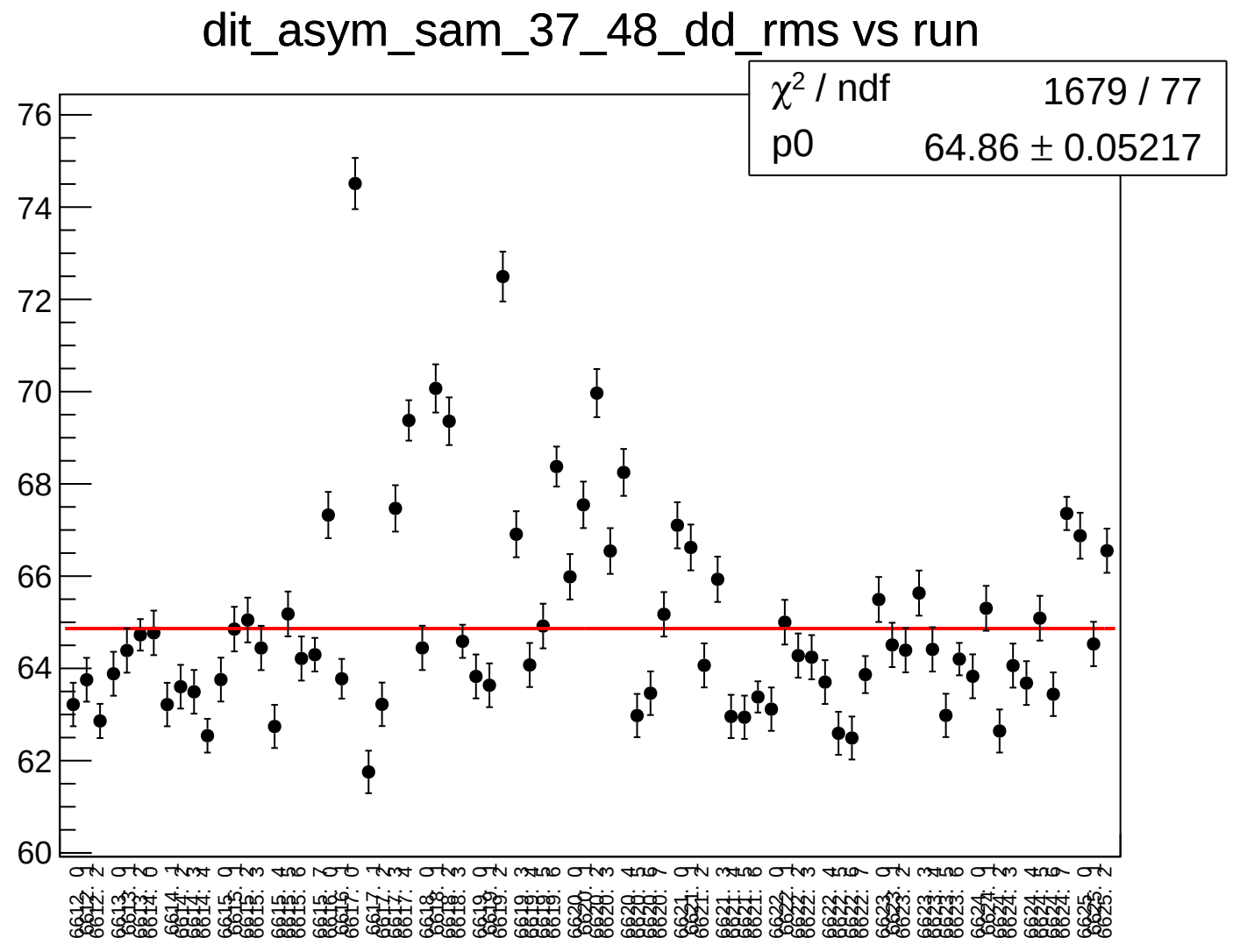

asym_sam_15_48_dd_mean vs run
χ² / ndf 82.67 / 77
p0 −1277 ± 520.2
pull
Entries 78
Mean 142
Std Dev 140.5

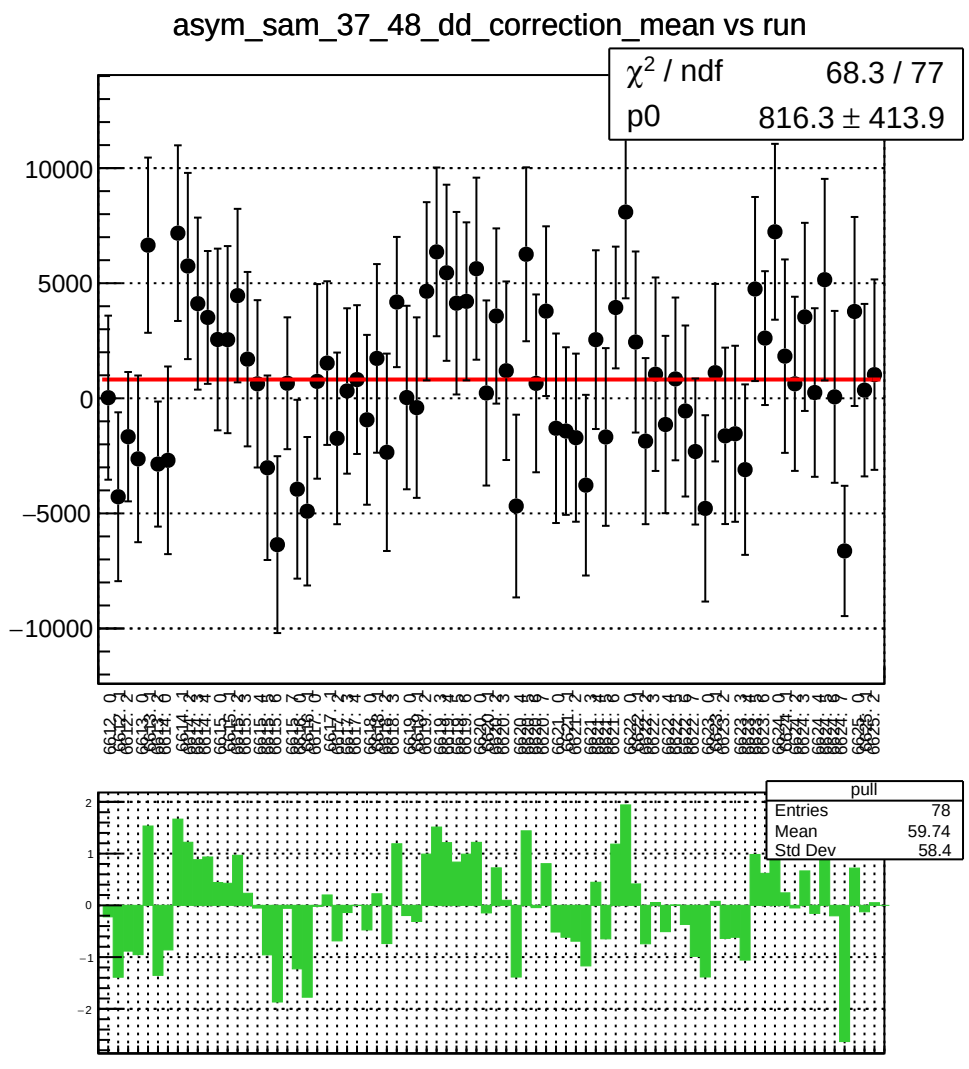

pull1D
Entries 78
Mean 0.00341
Std Dev 1.029

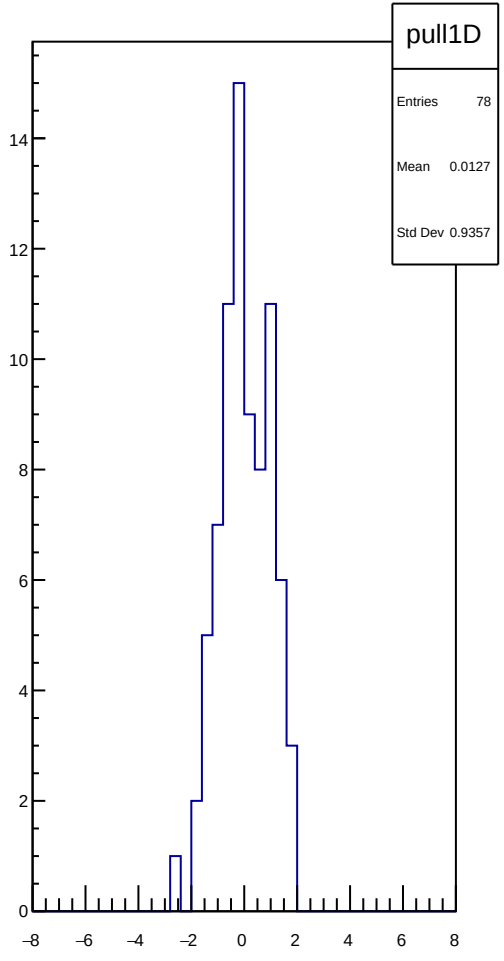

asym_sam_15_48_dd_rms vs run
χ² / ndf 1.325e+04 / 77
p0 455.7 ± 0.3679
600
550
500
450
400

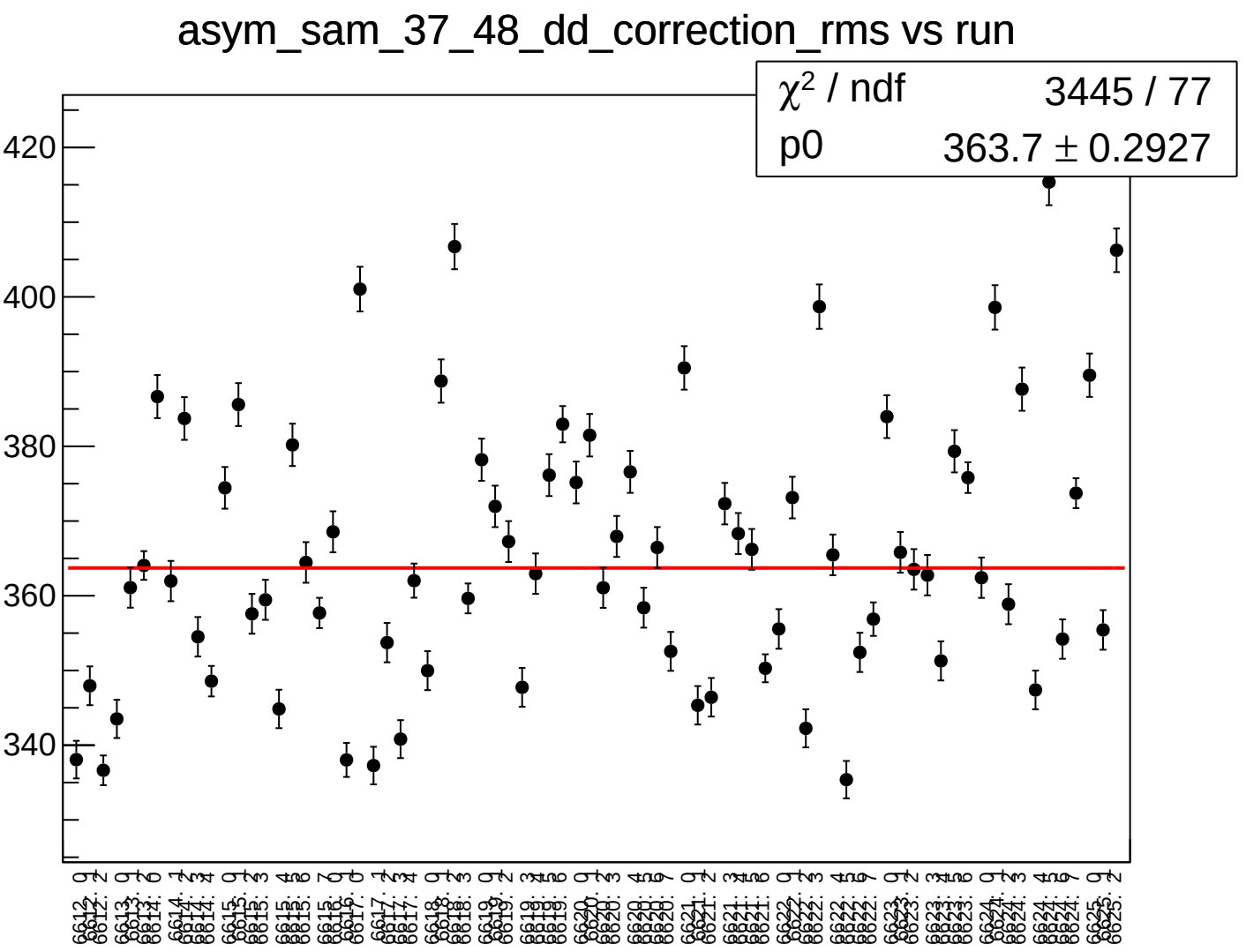

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 89.06 / 77
p0 89.84 ± 73.78
3000
2000
1000
0
−1000
−2000
pull
Entries 78
Mean −707.8
Std Dev 773.6
2
1
0
−1
−2

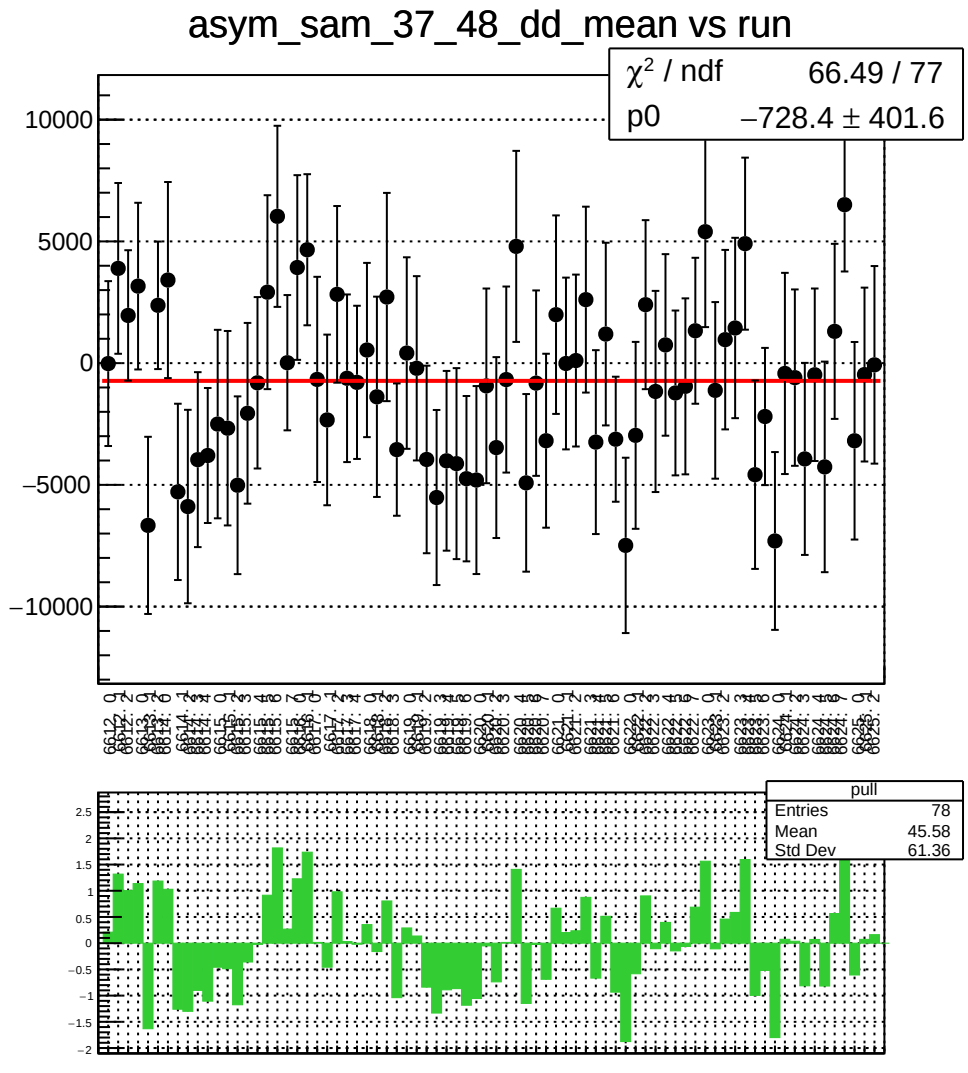

pull1D
Entries 78
Mean −0.001454
Std Dev 1.069
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

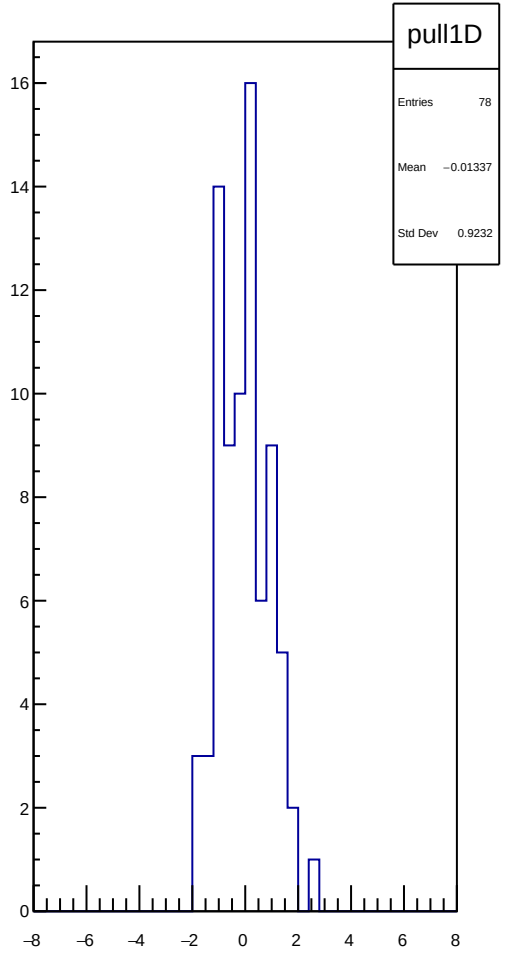

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 1679 / 77
p0 64.86 ± 0.05217
76
74
72
70
68
66
64
62
60

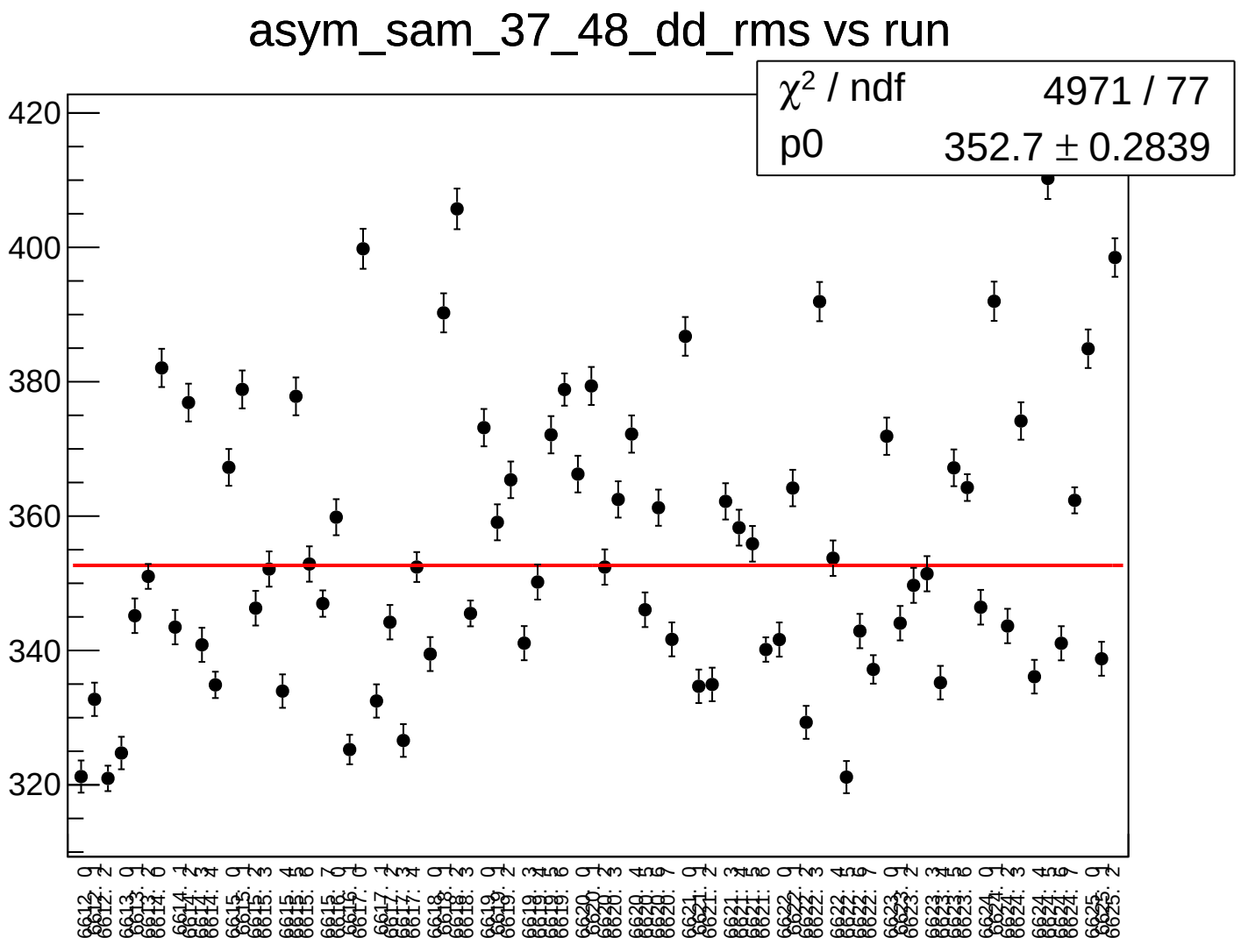

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 68.3 / 77
p0 816.3 ± 413.9
10000
5000
0
−5000
−10000
pull
Entries 78
Mean 59.74
Std Dev 58.4
2
1
0
−1
−2

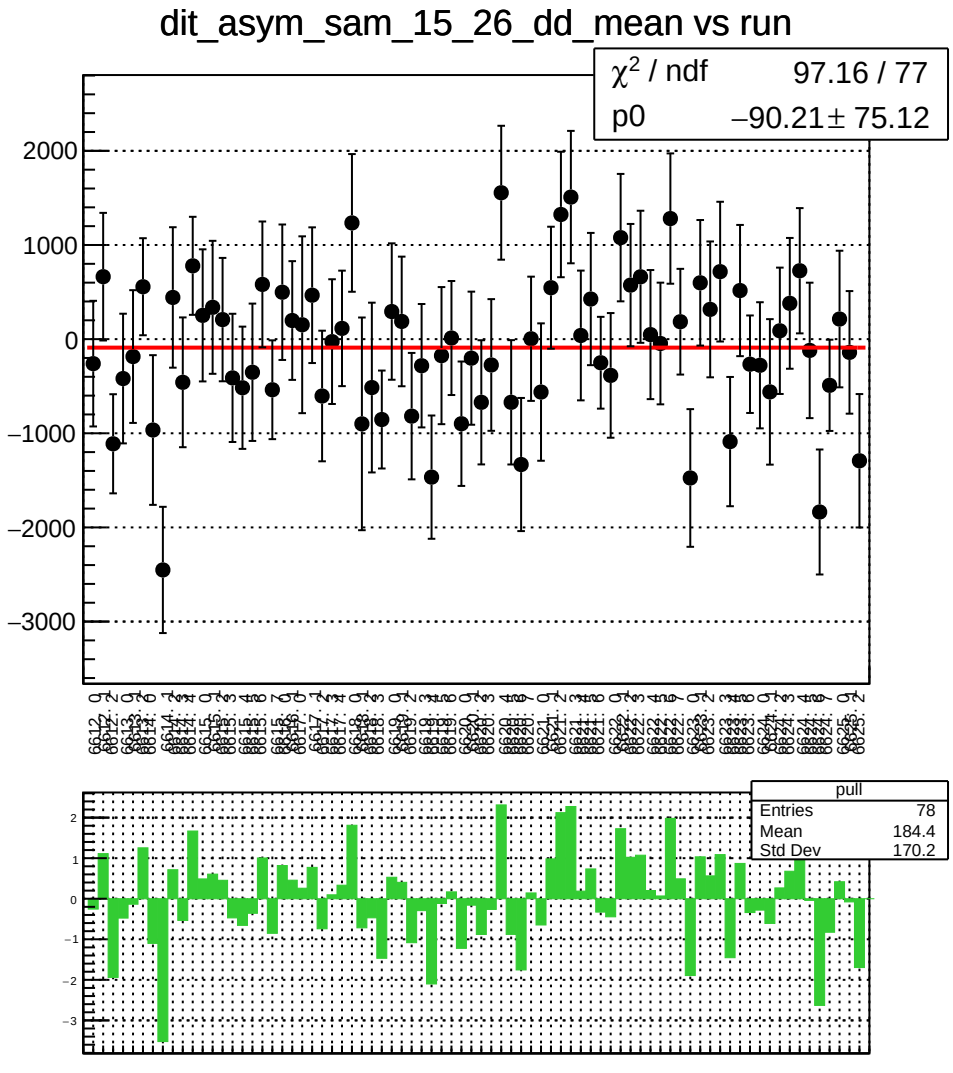

pull1D
Entries 78
Mean 0.0127
Std Dev 0.9357
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

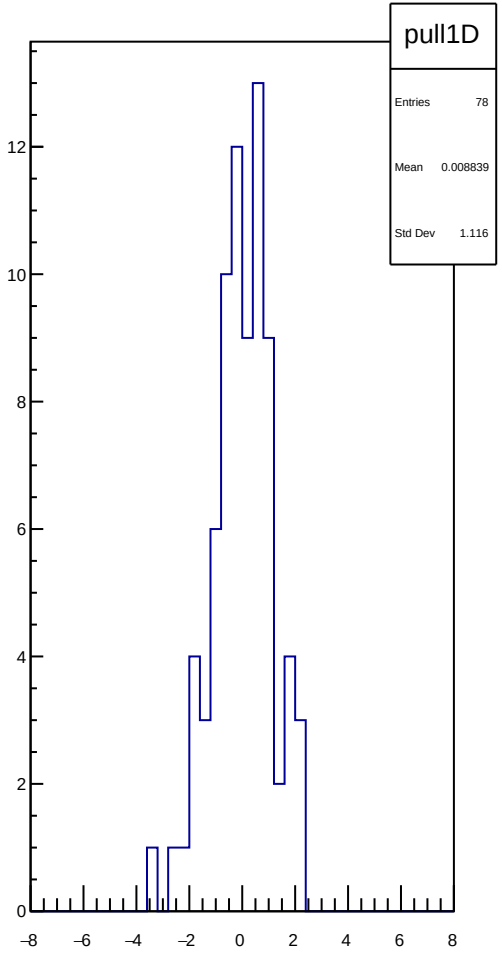

asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 3445 / 77
p0 363.7 ± 0.2927
420
400
380
360
340

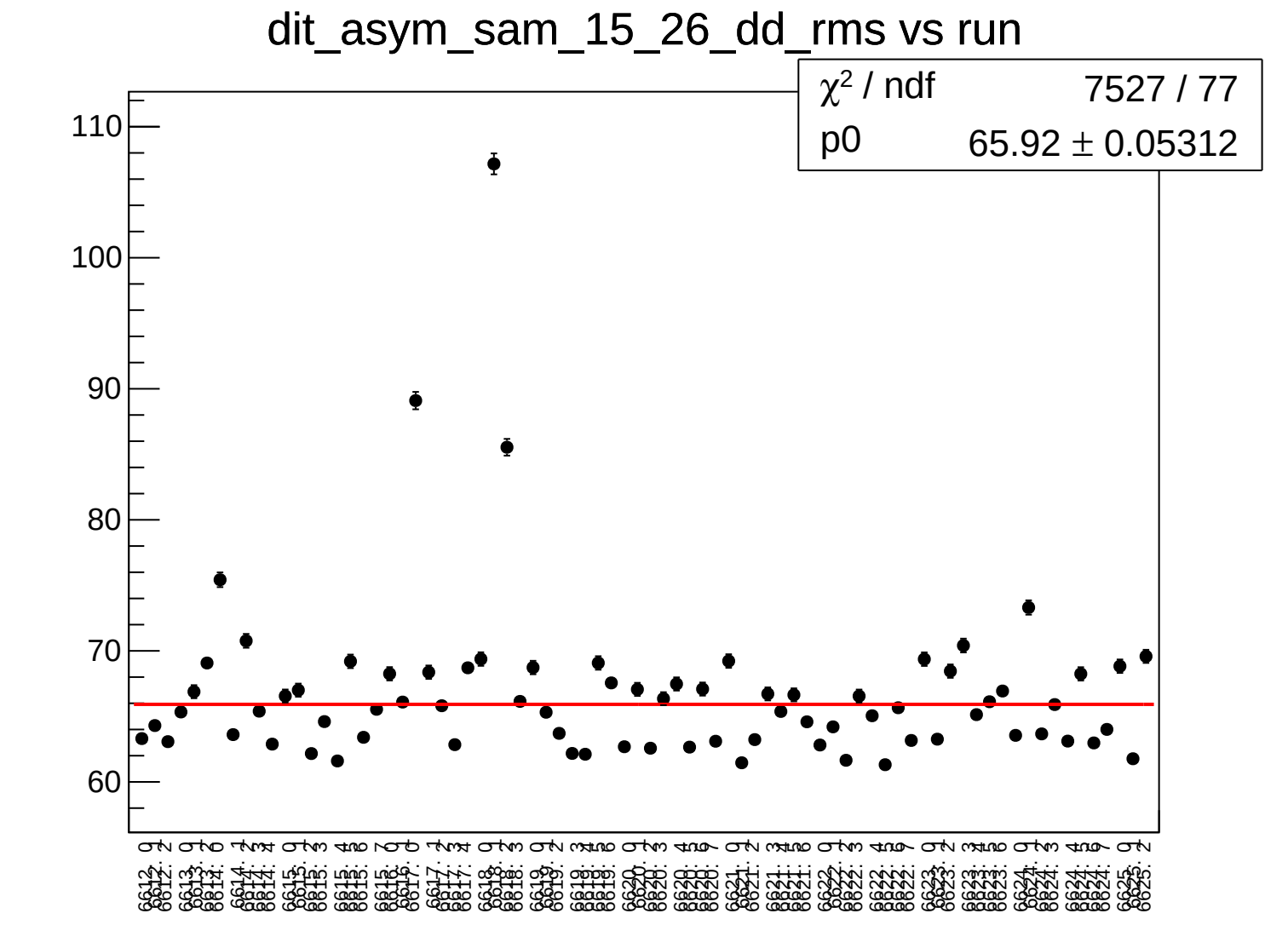

asym_sam_37_48_dd_mean vs run
χ² / ndf 66.49 / 77
p0 −728.4 ± 401.6
10000
5000
0
−5000
−10000
pull
Entries 78
Mean 45.58
Std Dev 61.36
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

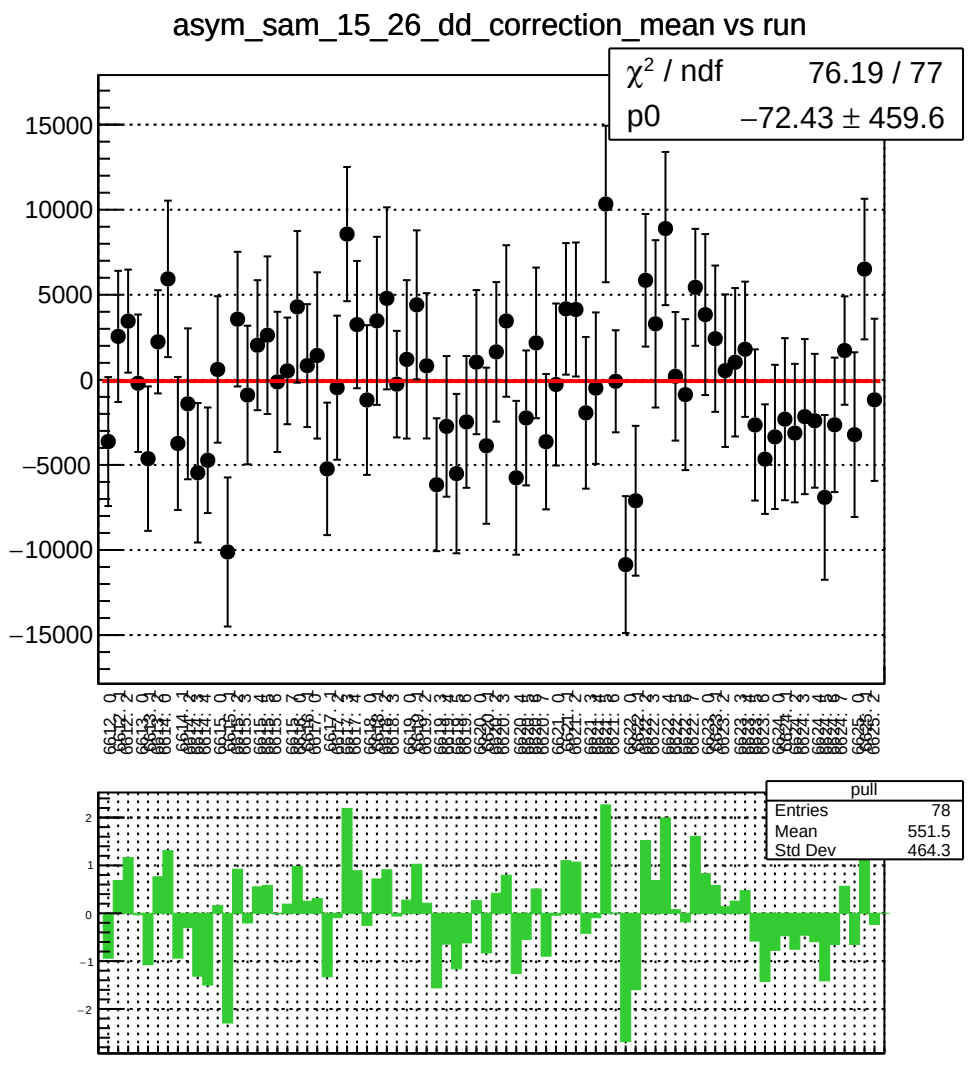

pull1D
Entries 78
Mean −0.01337
Std Dev 0.9232
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

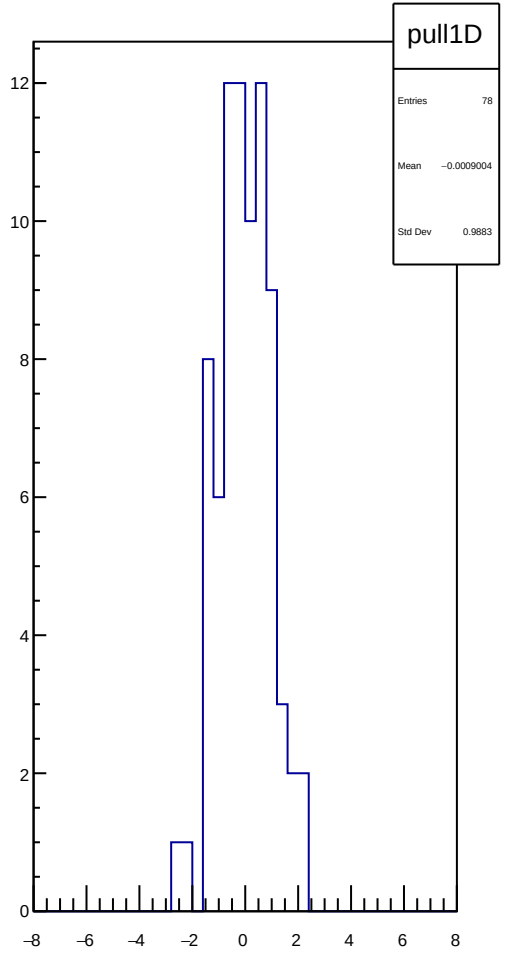

asym_sam_37_48_dd_rms vs run
χ² / ndf 4971 / 77
p0 352.7 ± 0.2839
420
400
380
360
340
320

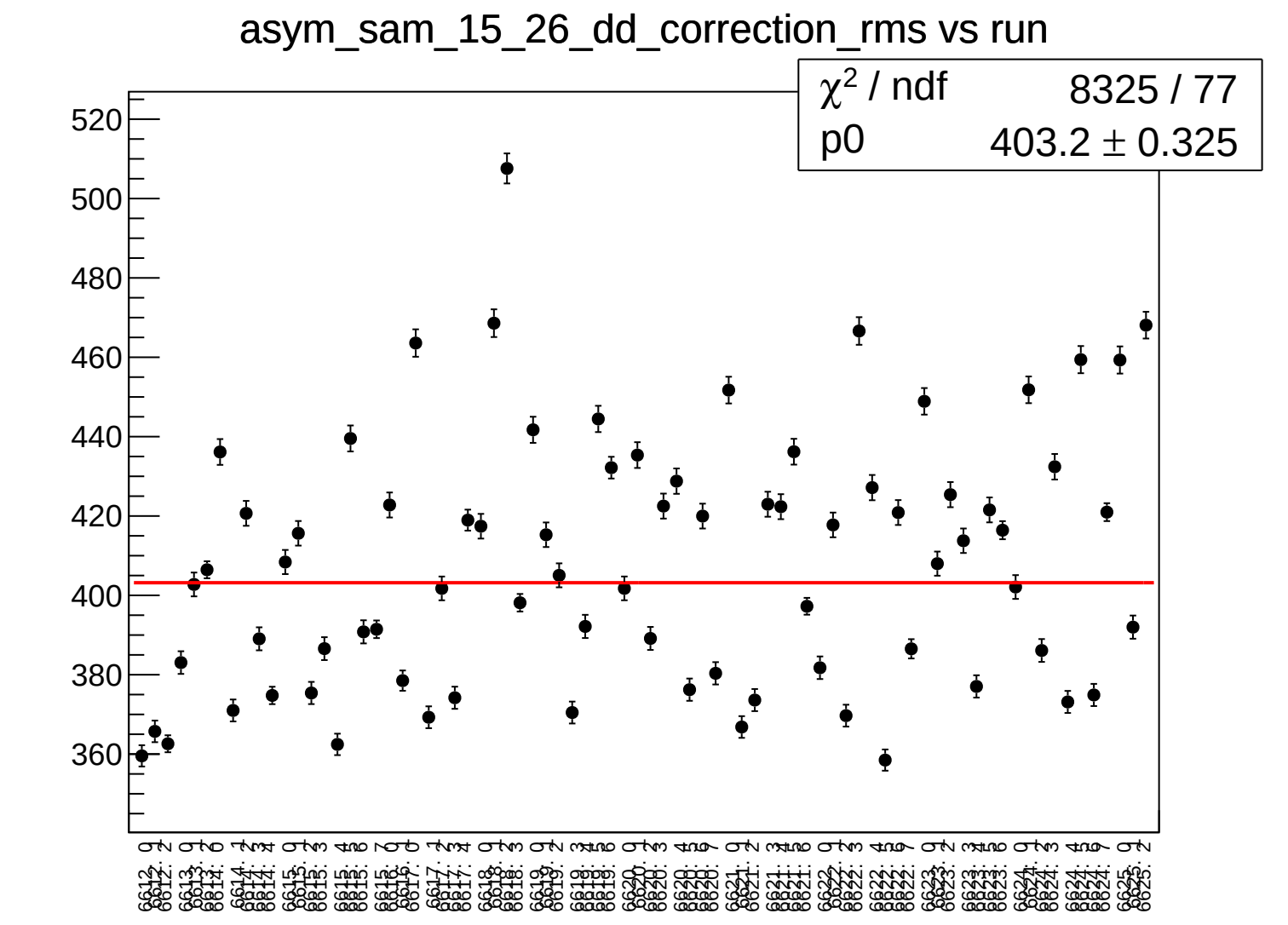

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 97.16 / 77
p0 −90.21± 75.12
2000
1000
0
−1000
−2000
−3000
pull
Entries 78
Mean 184.4
Std Dev 170.2
2
1
0
−1
−2
−3

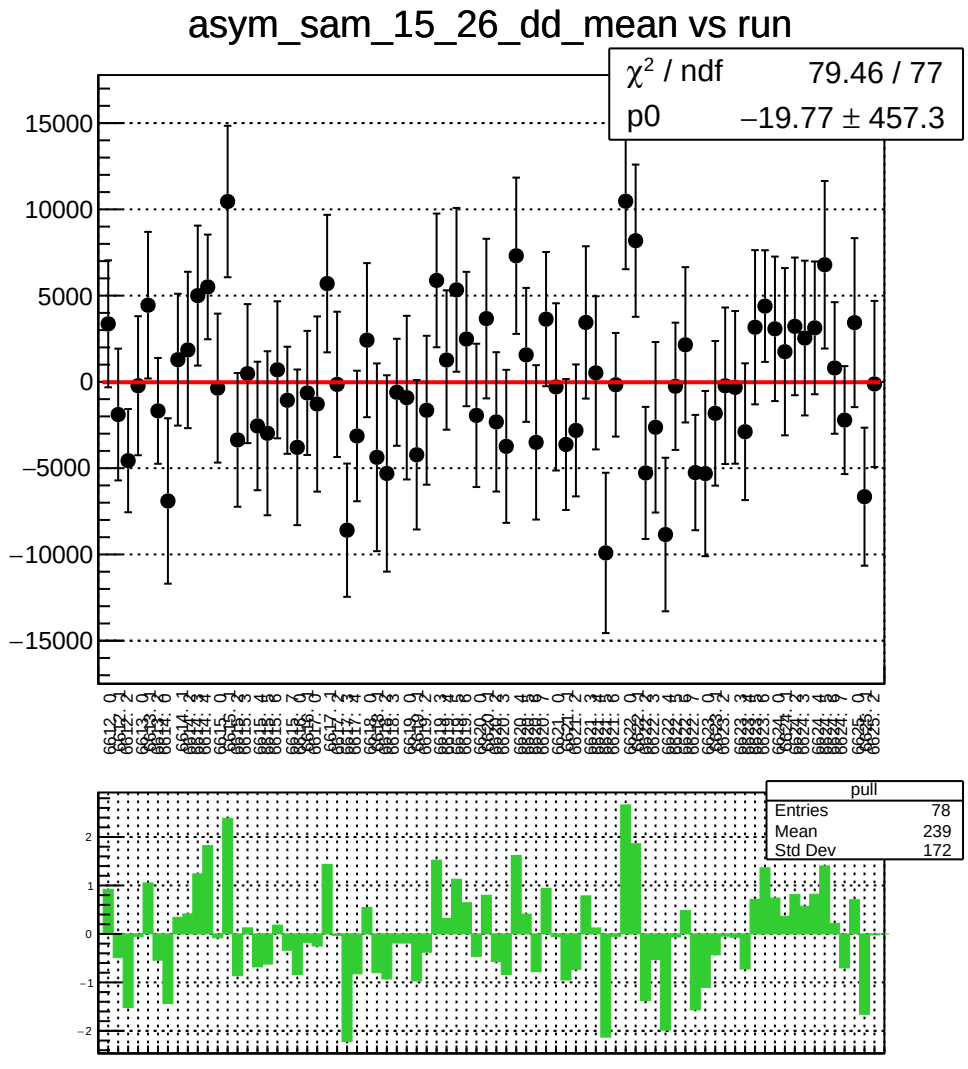

pull1D
Entries 78
Mean 0.008839
Std Dev 1.116
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

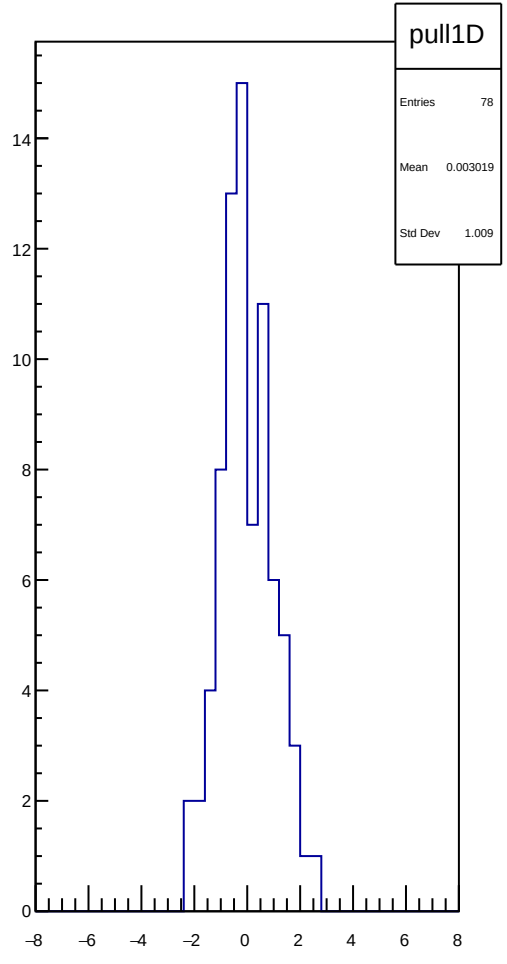

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 7527 / 77
p0 65.92 ± 0.05312
110
100
90
80
70
60

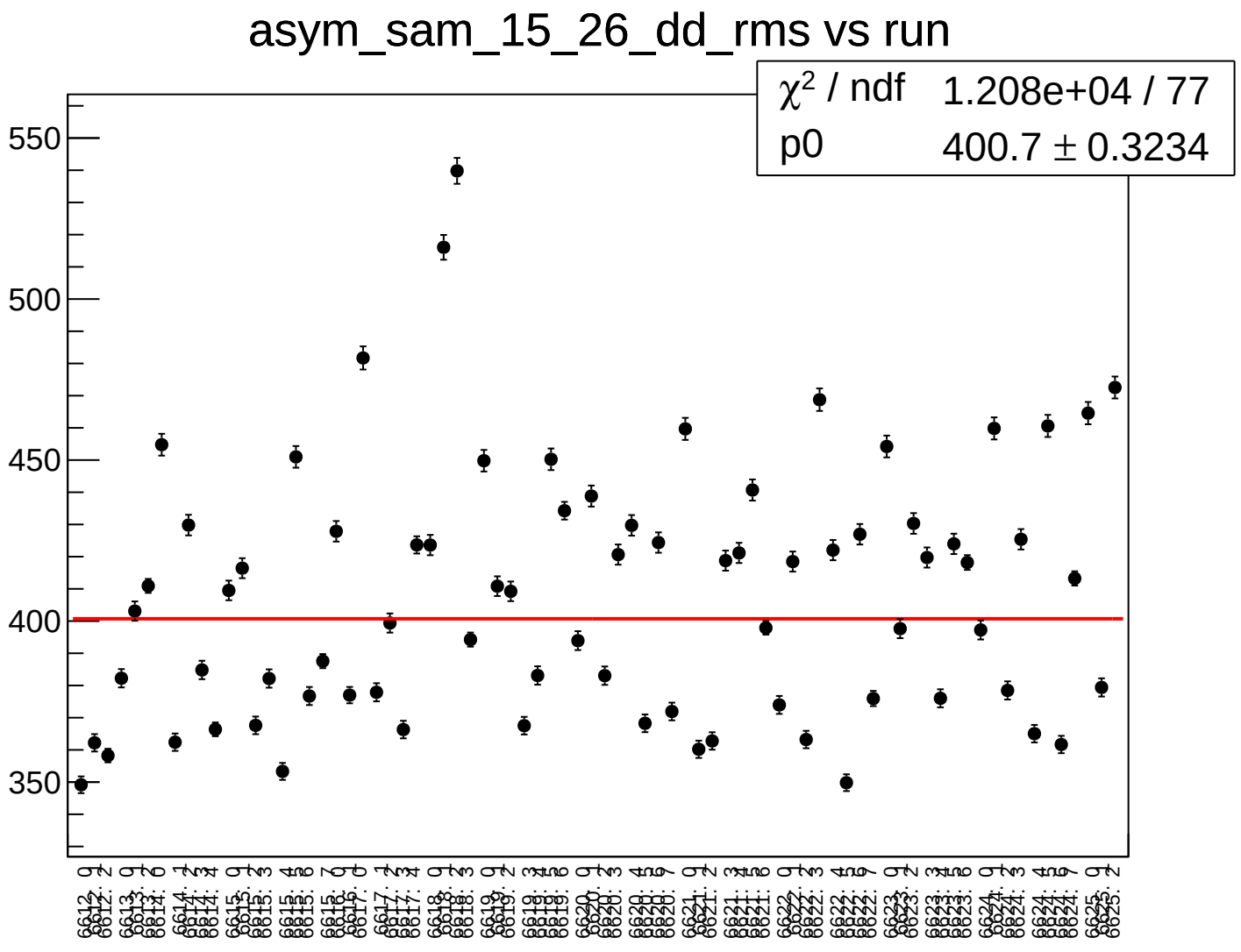

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 76.19 / 77
p0 −72.43 ± 459.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 78
Mean 551.5
Std Dev 464.3
2
1
0
−1
−2

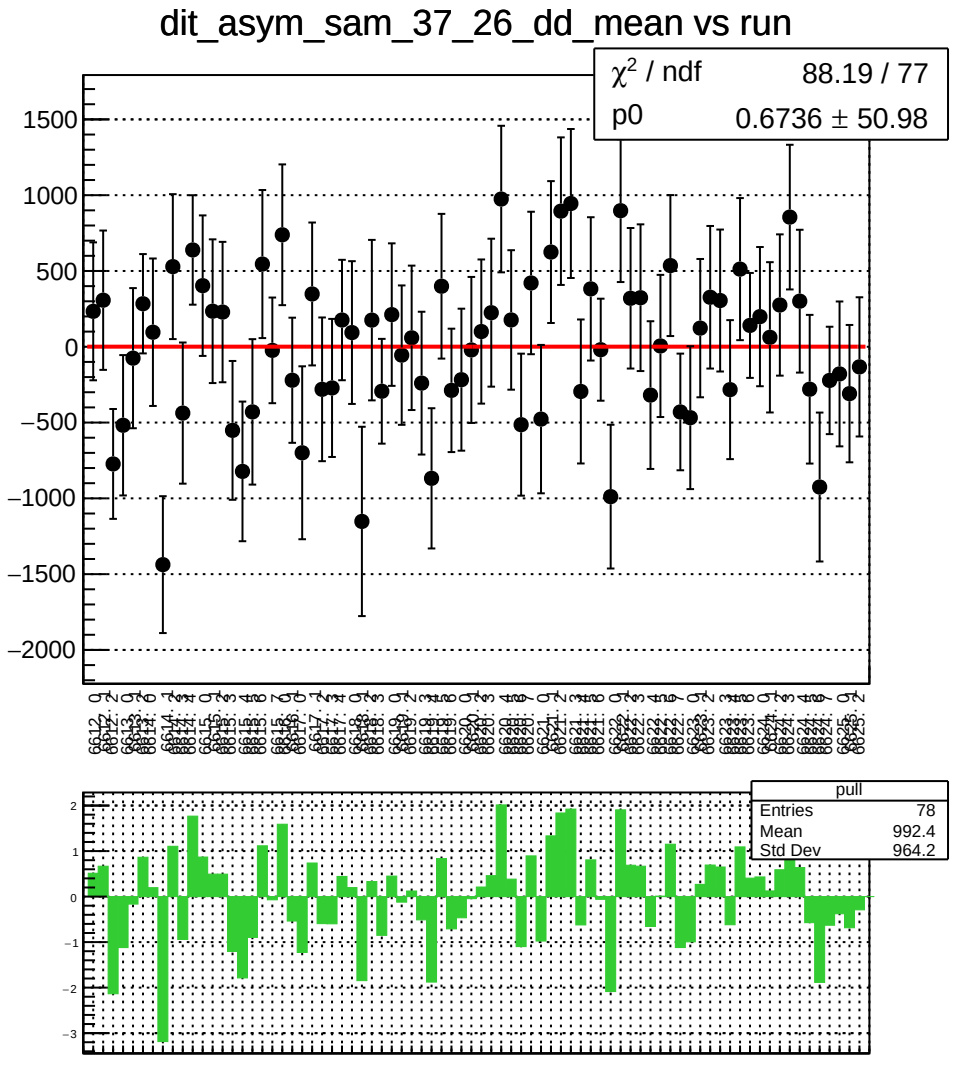

pull1D
Entries 78
Mean −0.0009004
Std Dev 0.9883
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

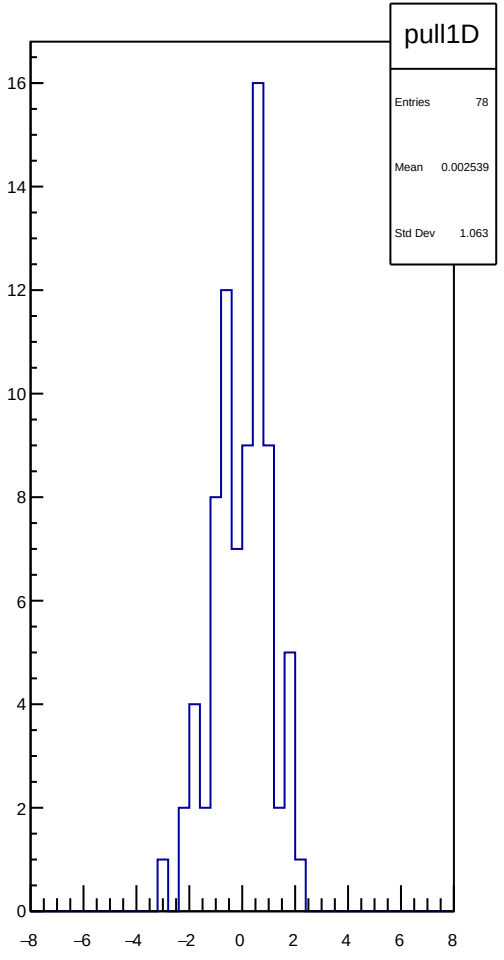

asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 8325 / 77
p0 403.2 ± 0.325
520
500
480
460
440
420
400
380
360

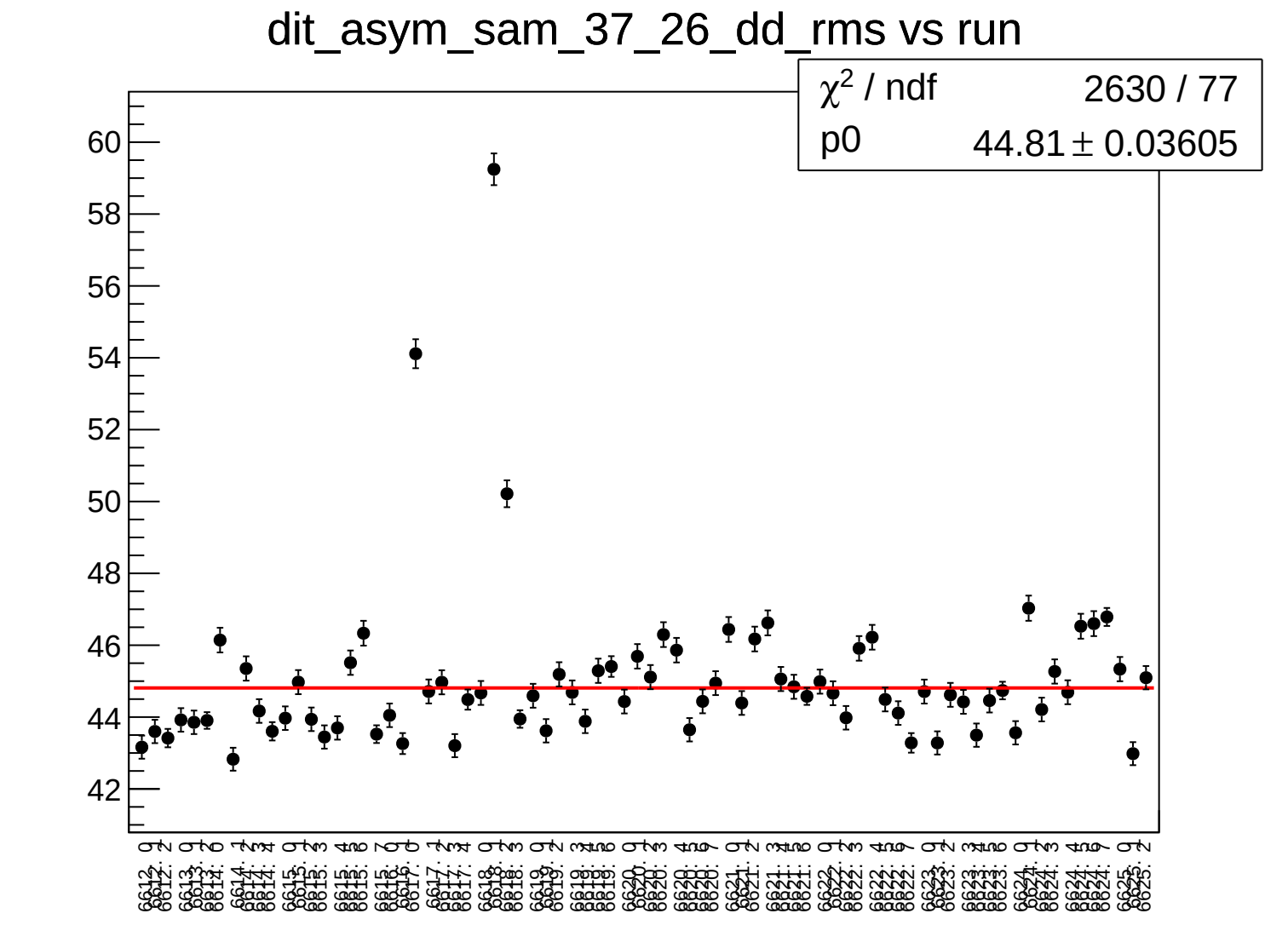

asym_sam_15_26_dd_mean vs run
χ² / ndf 79.46 / 77
p0 −19.77 ± 457.3
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 78
Mean 239
Std Dev 172
2
1
0
−1
−2

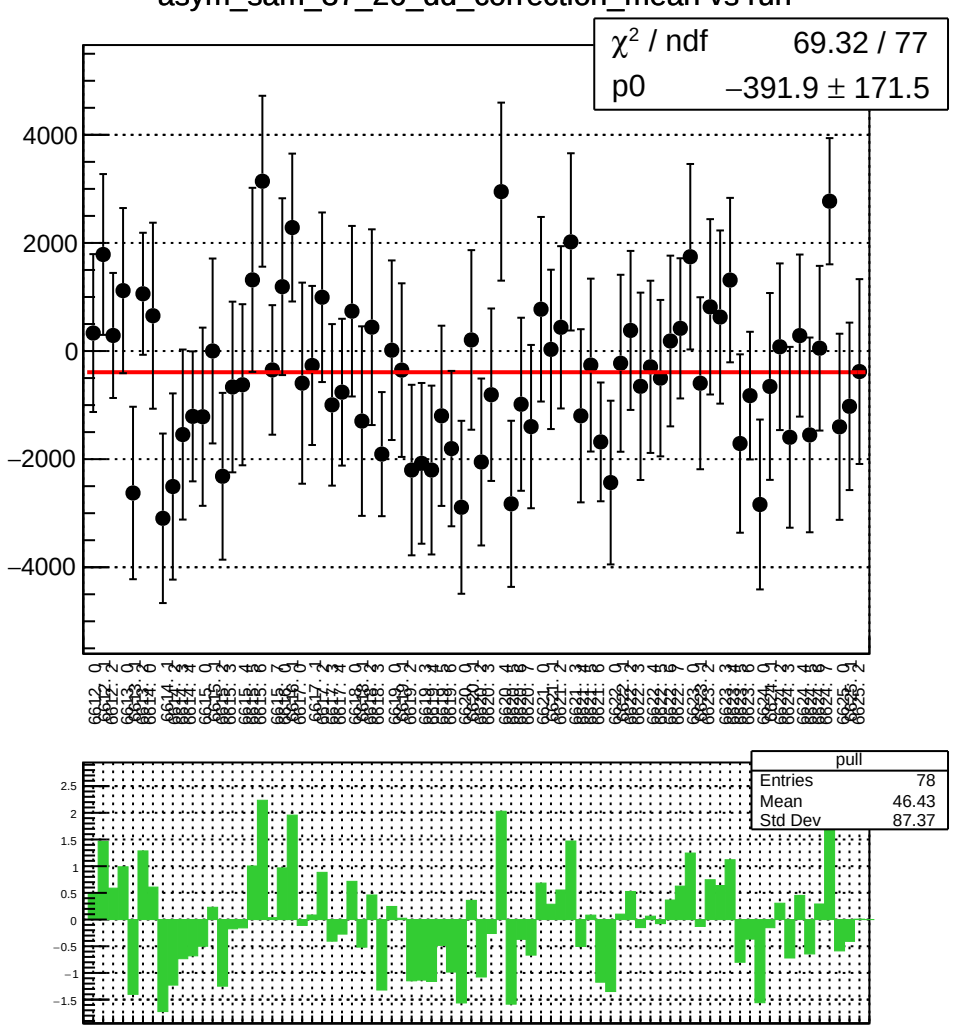

pull1D
Entries 78
Mean 0.003019
Std Dev 1.009
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

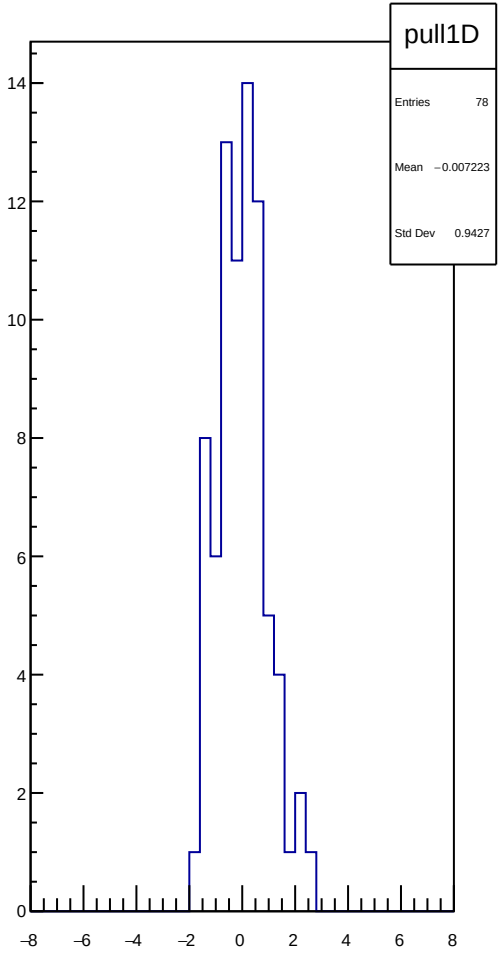

asym_sam_15_26_dd_rms vs run
χ² / ndf 1.208e+04 / 77
p0 400.7 ± 0.3234
550
500
450
400
350

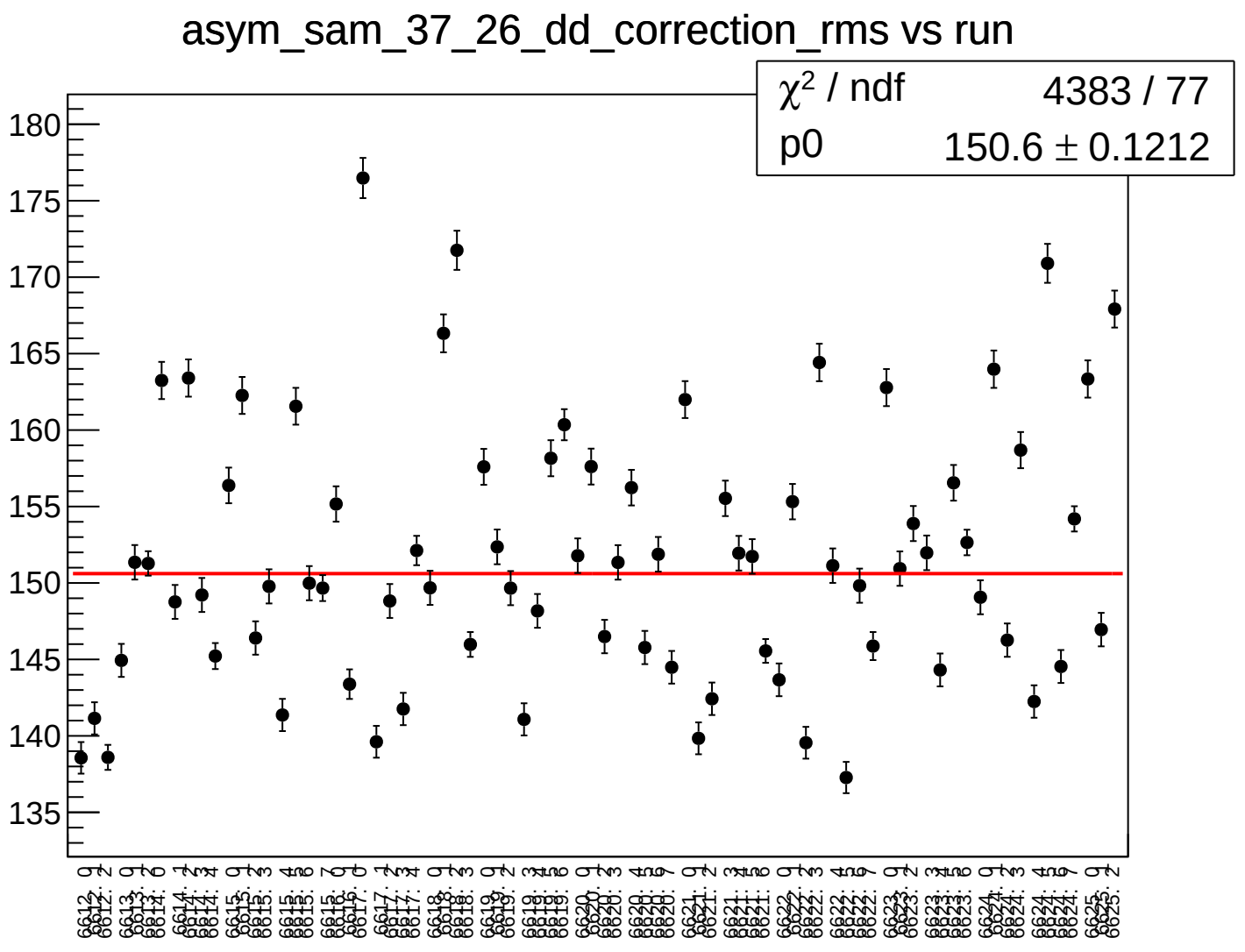

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 88.19 / 77
p0 0.6736 ± 50.98
pull
Entries 78
Mean 992.4
Std Dev 964.2

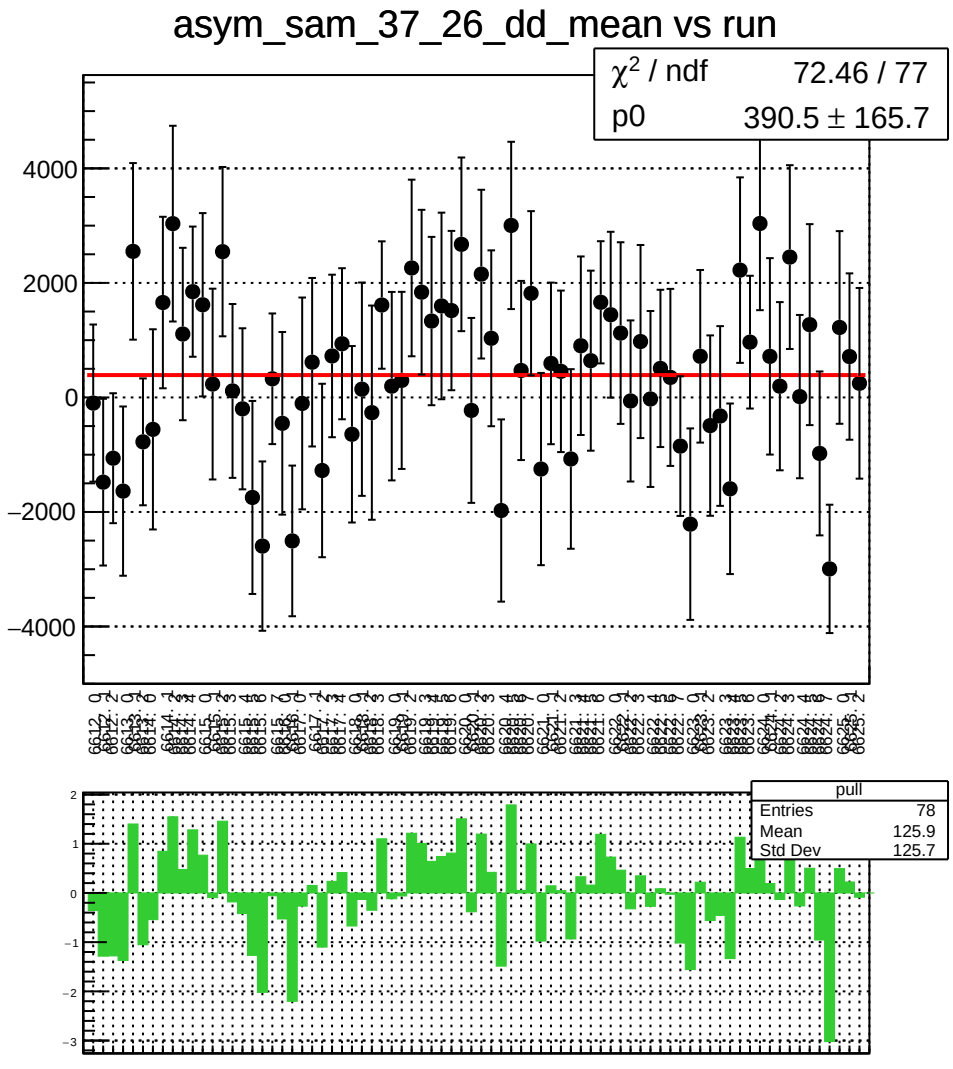

pull1D
Entries 78
Mean 0.002539
Std Dev 1.063

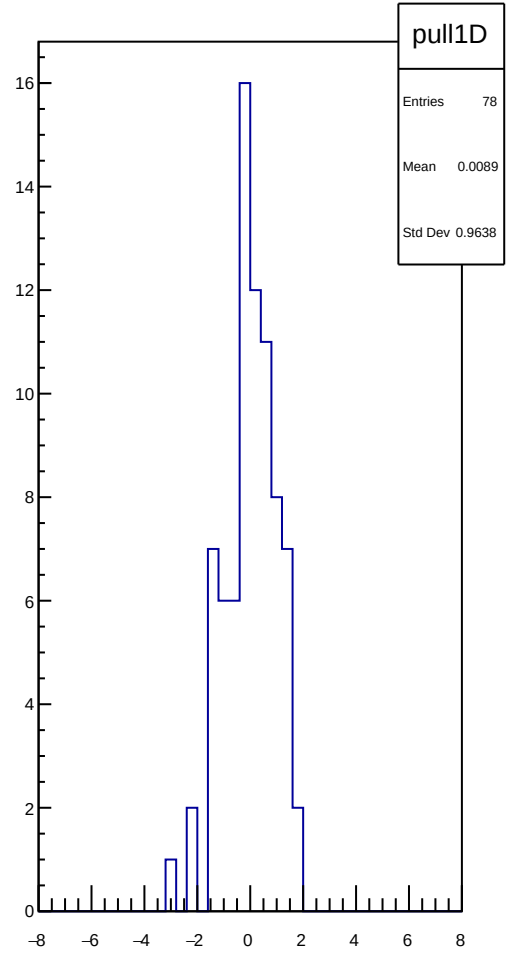

dit_asym_sam_37_26_dd_rms vs run
χ^2 / ndf 2630 / 77
p0 44.81 ± 0.03605
60
58
56
54
52
50
48
46
44
42

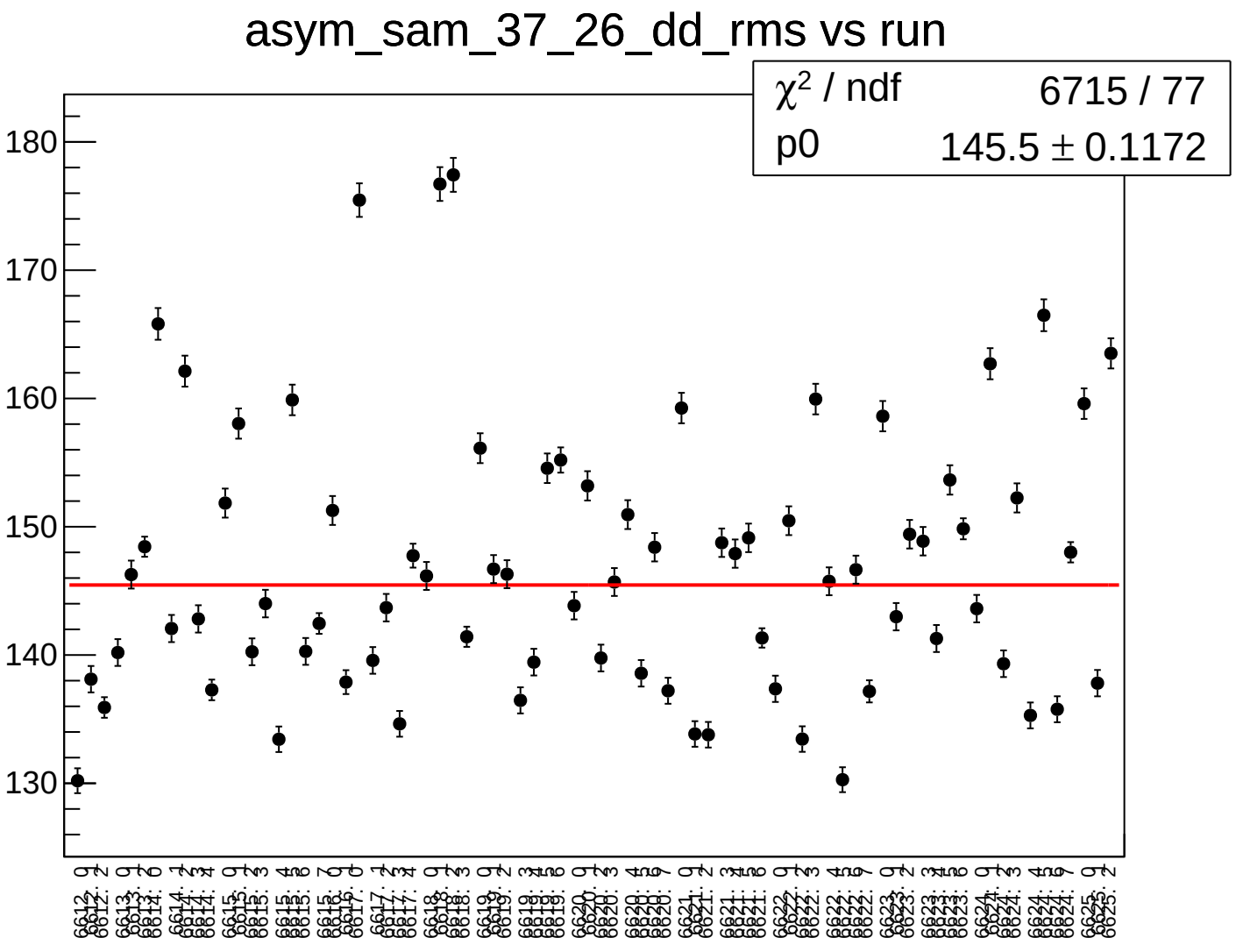

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 69.32 / 77
p0 −391.9 ± 171.5
4000
2000
0
−2000
−4000
pull
Entries 78
Mean 46.43
Std Dev 87.37
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

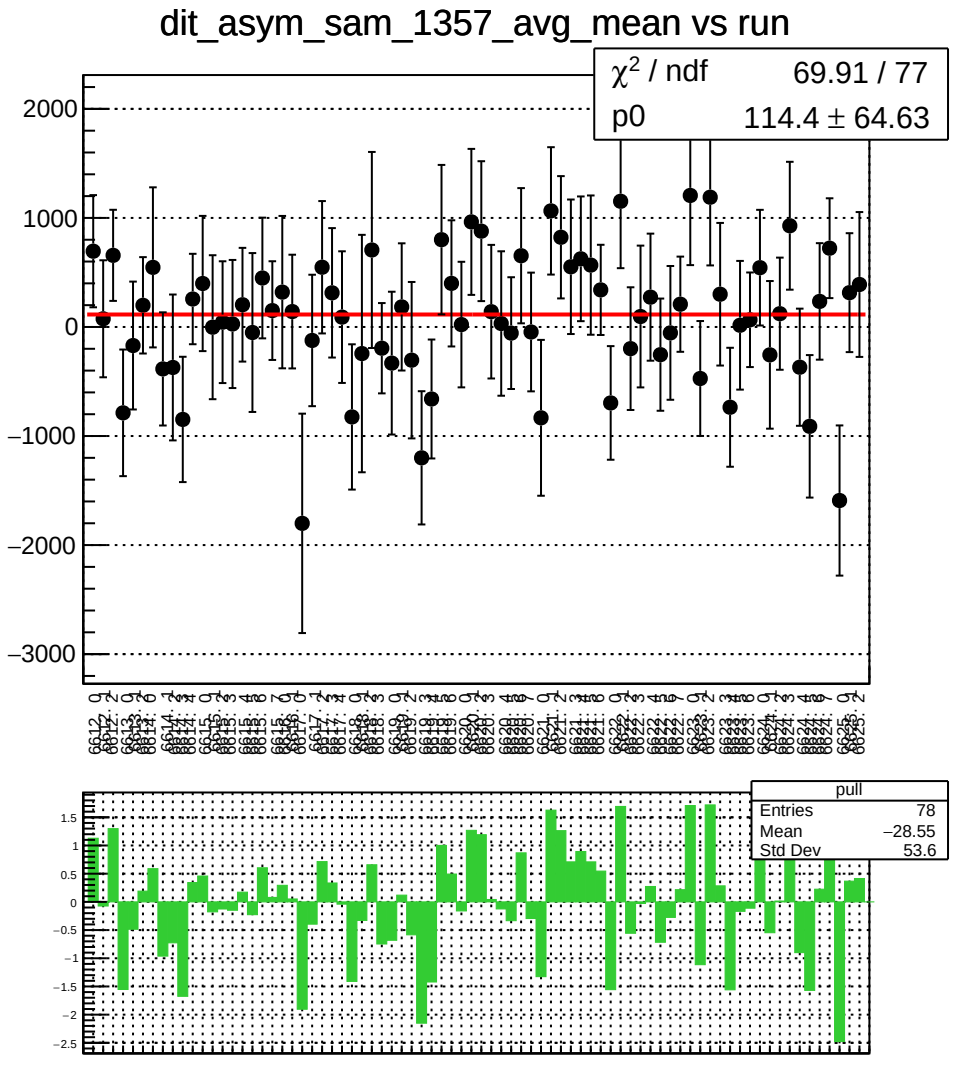

pull1D
Entries 78
Mean −0.007223
Std Dev 0.9427
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

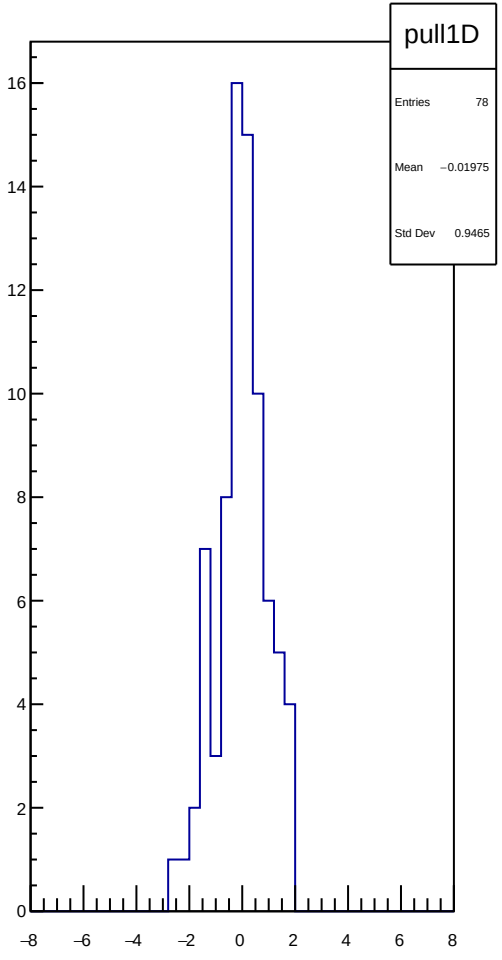

asym_sam_37_26_dd_correction_rms vs run
χ² / ndf 4383 / 77
p0 150.6 ± 0.1212
180
175
170
165
160
155
150
145
140
135

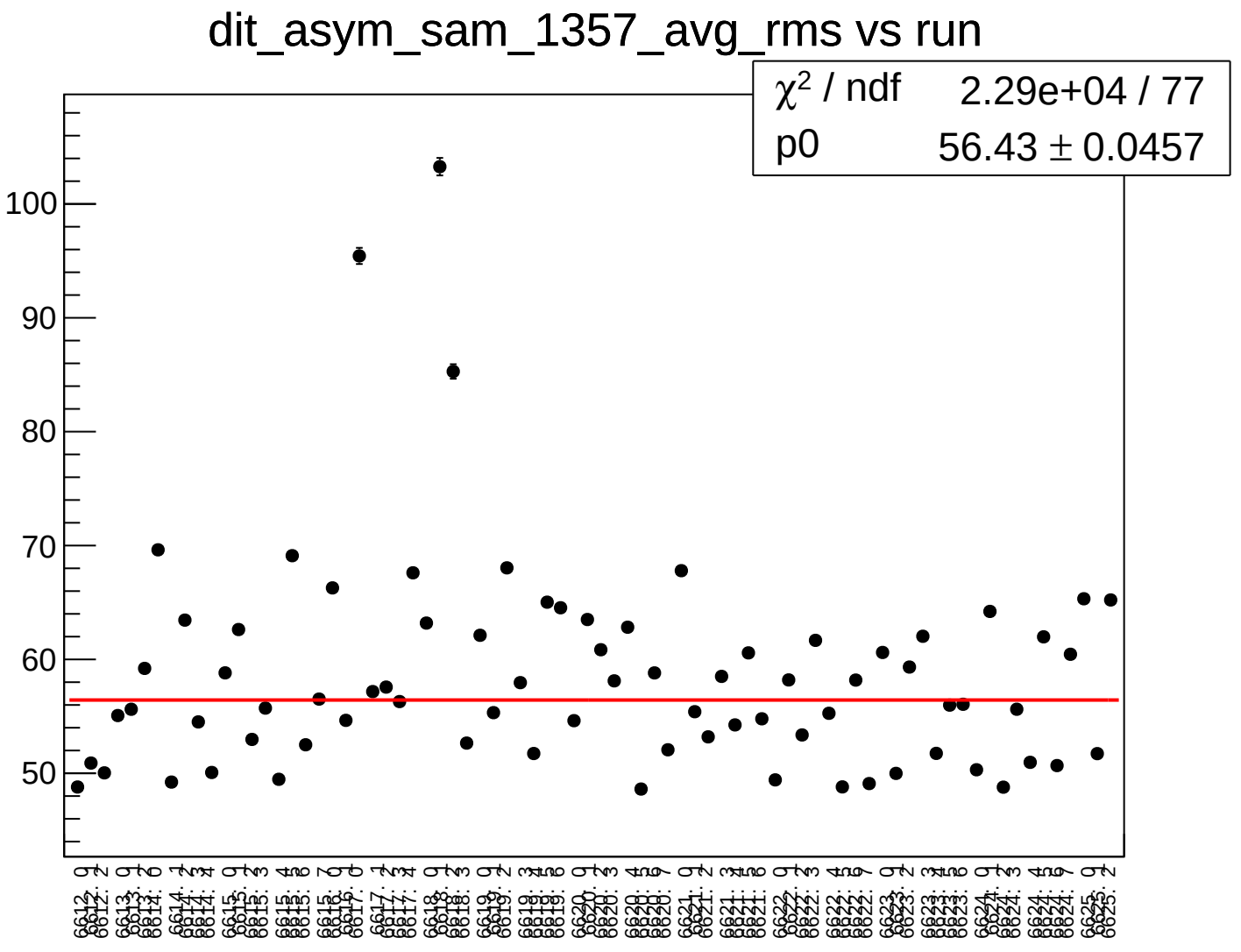

asym_sam_37_26_dd_mean vs run
χ² / ndf 72.46 / 77
p0 390.5 ± 165.7
4000
2000
0
−2000
−4000
pull
Entries 78
Mean 125.9
Std Dev 125.7
2
1
0
−1
−2
−3

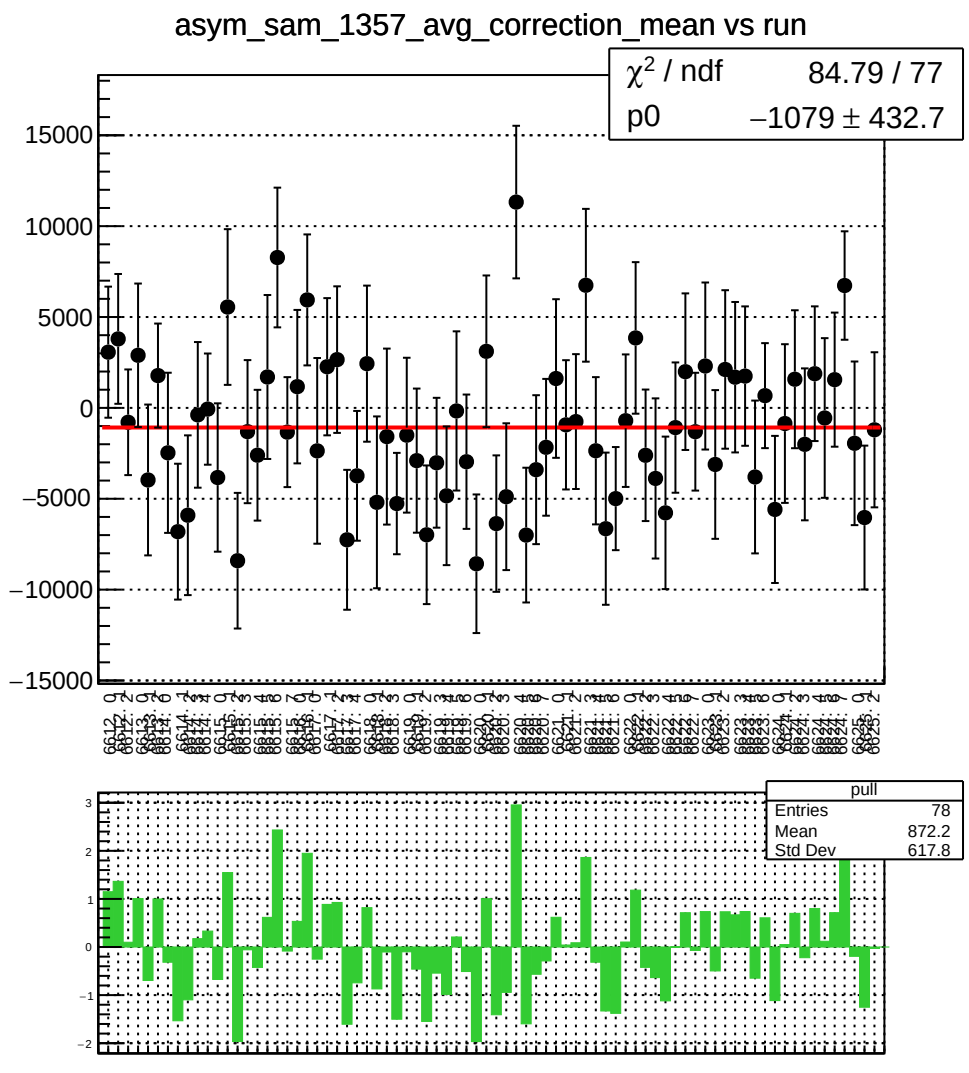

pull1D
Entries 78
Mean 0.0089
Std Dev 0.9638
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

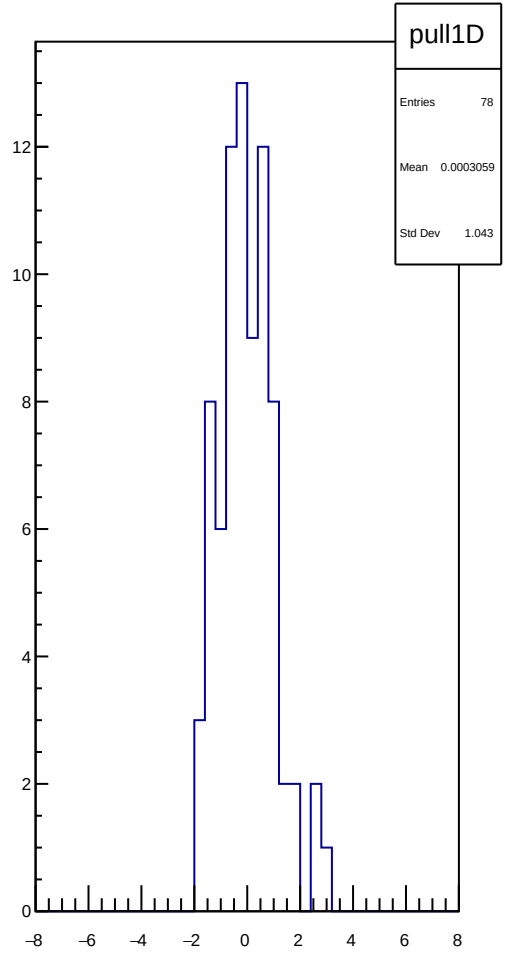

asym_sam_37_26_dd_rms vs run
χ² / ndf 6715 / 77
p0 145.5 ± 0.1172
180
170
160
150
140
130

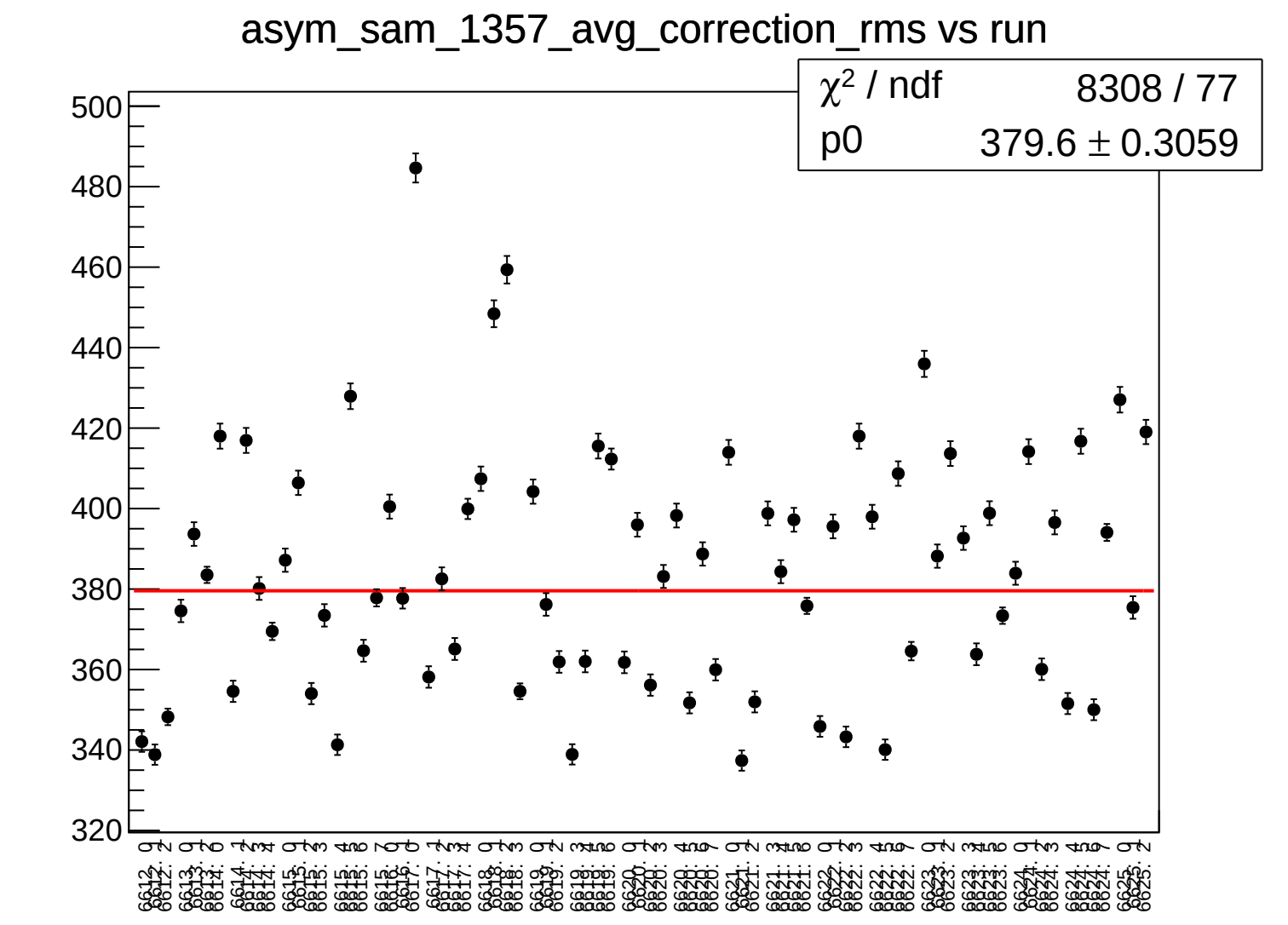

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 69.91 / 77
p0 114.4 ± 64.63
pull
Entries 78
Mean −28.55
Std Dev 53.6

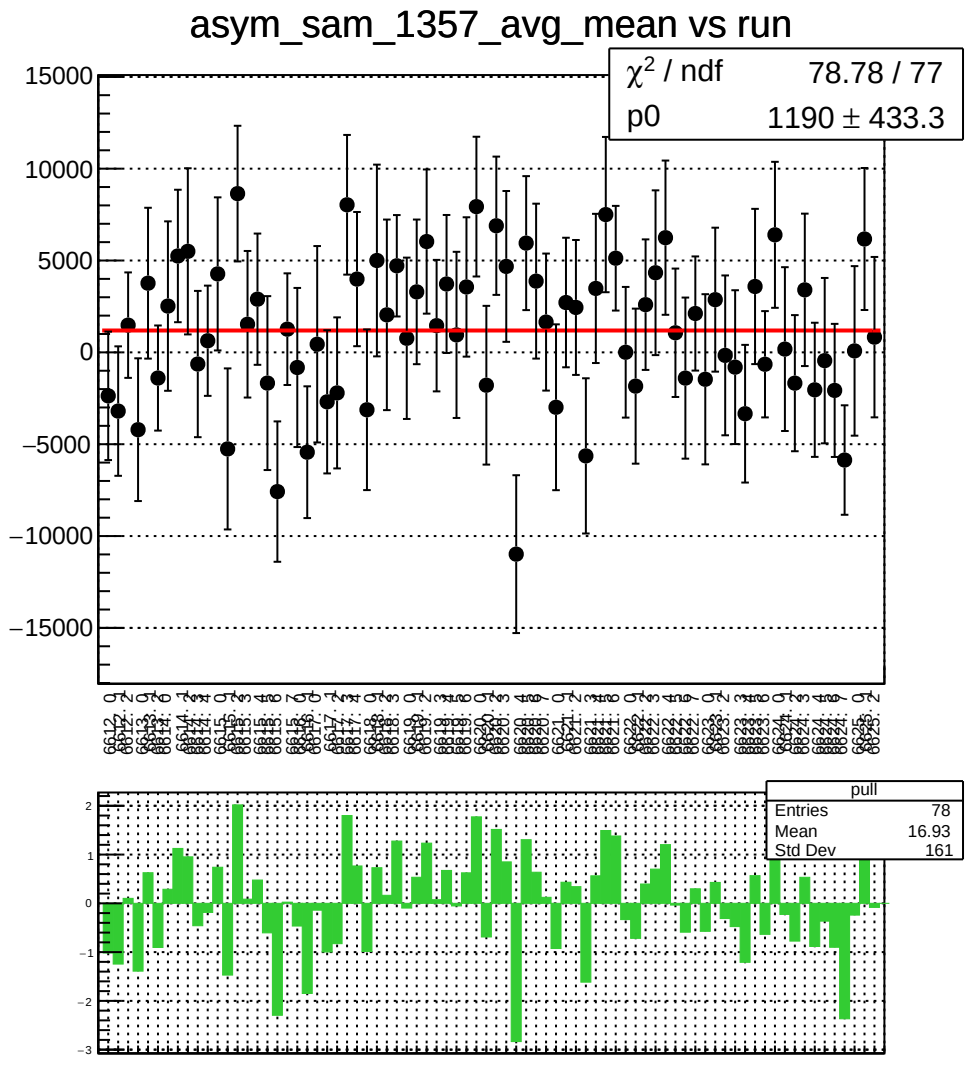

pull1D
Entries 78
Mean −0.01975
Std Dev 0.9465

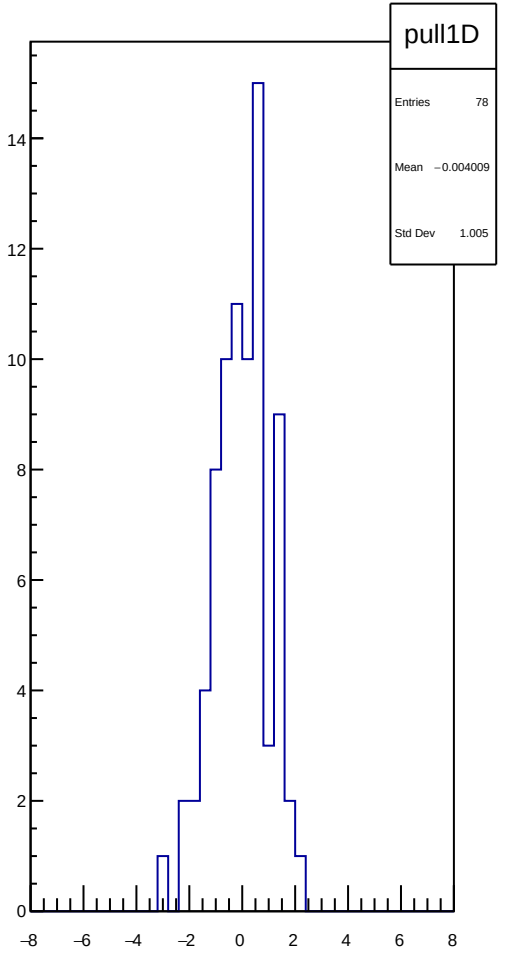

dit_asym_sam_1357_avg_rms vs run
χ² / ndf 2.29e+04 / 77
p0 56.43 ± 0.0457
100
90
80
70
60
50

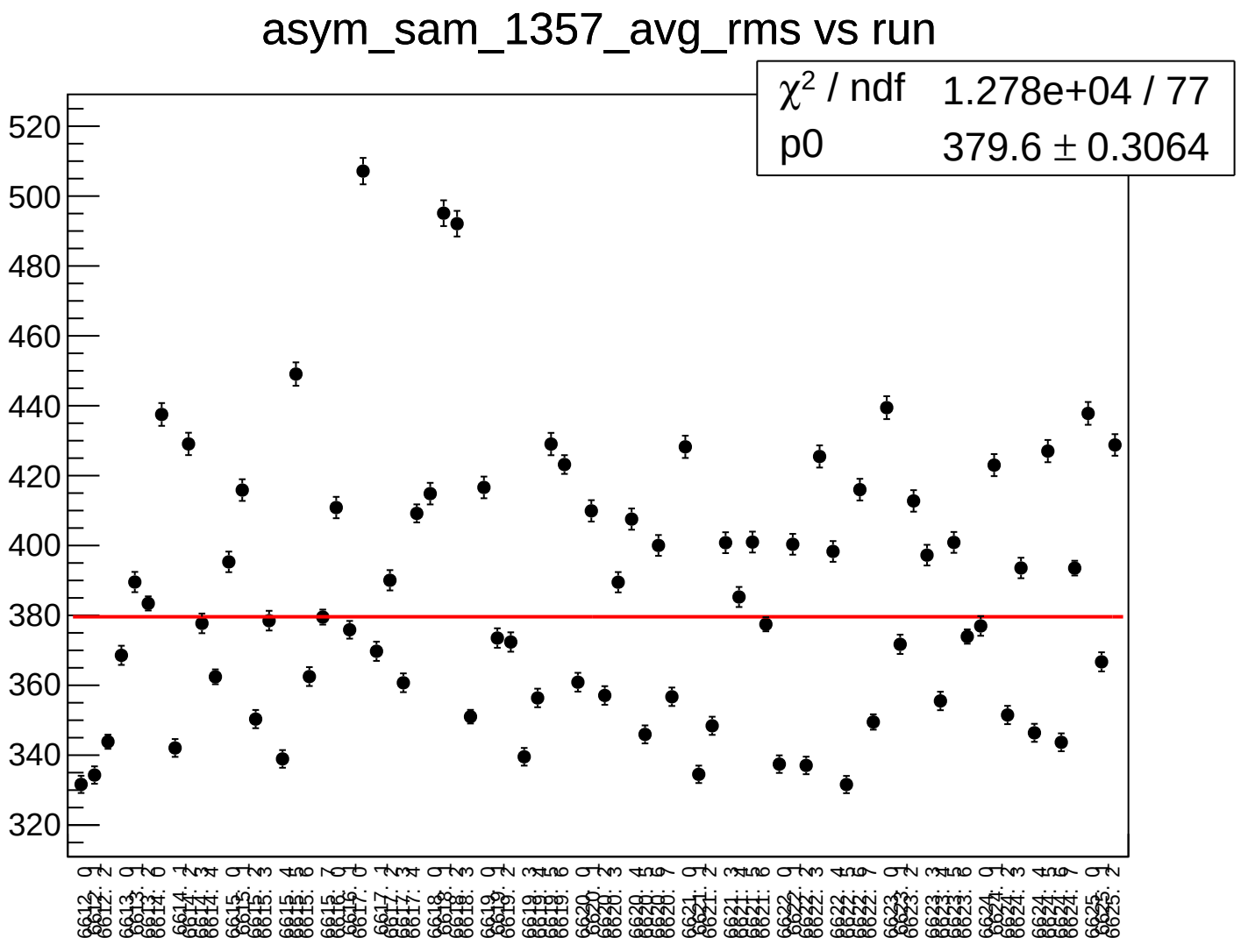

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 84.79 / 77
p0 −1079 ± 432.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 78
Mean 872.2
Std Dev 617.8
3
2
1
0
−1
−2

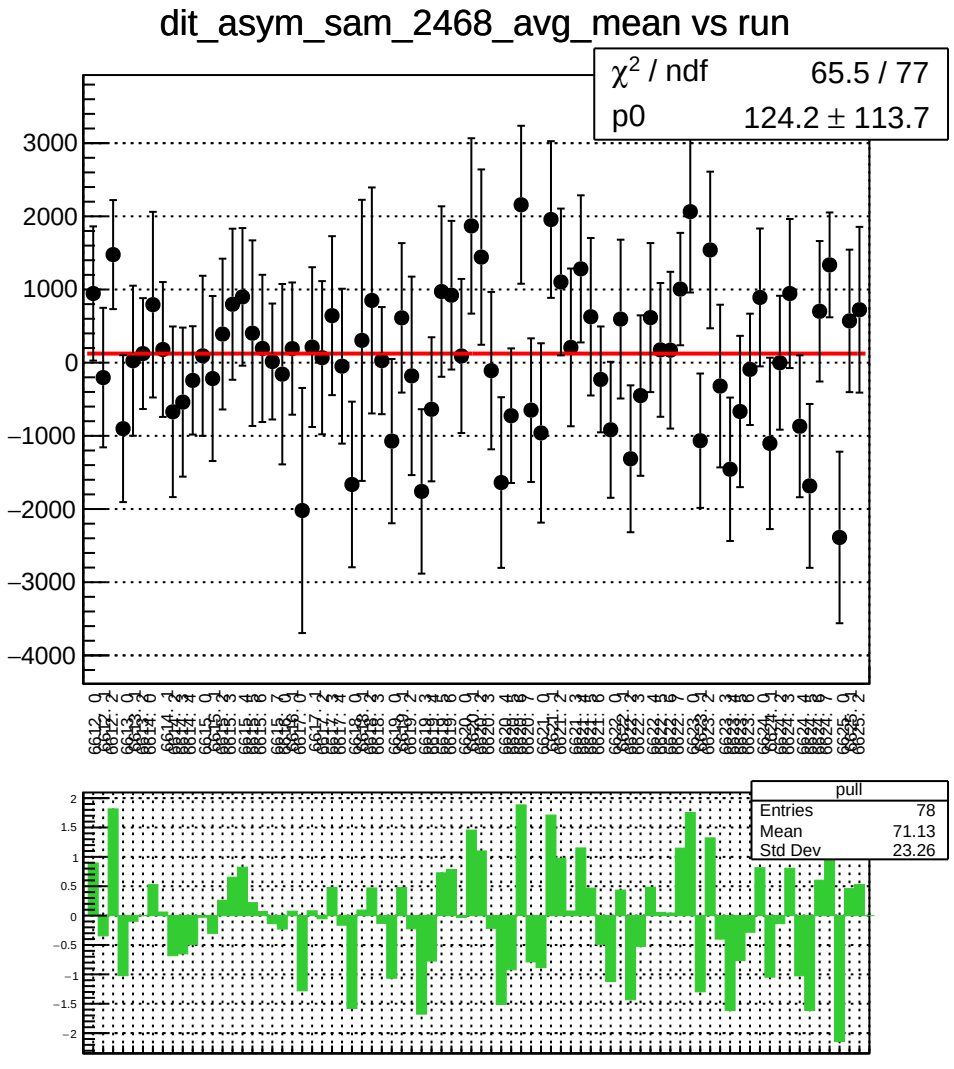

pull1D
Entries 78
Mean 0.0003059
Std Dev 1.043
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

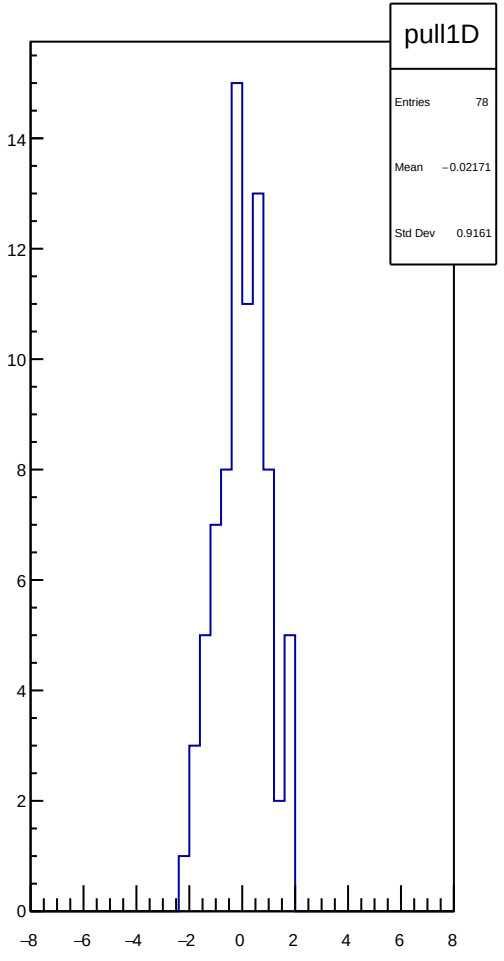

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 8308 / 77
p0 379.6 ± 0.3059
500
480
460
440
420
400
380
360
340
320

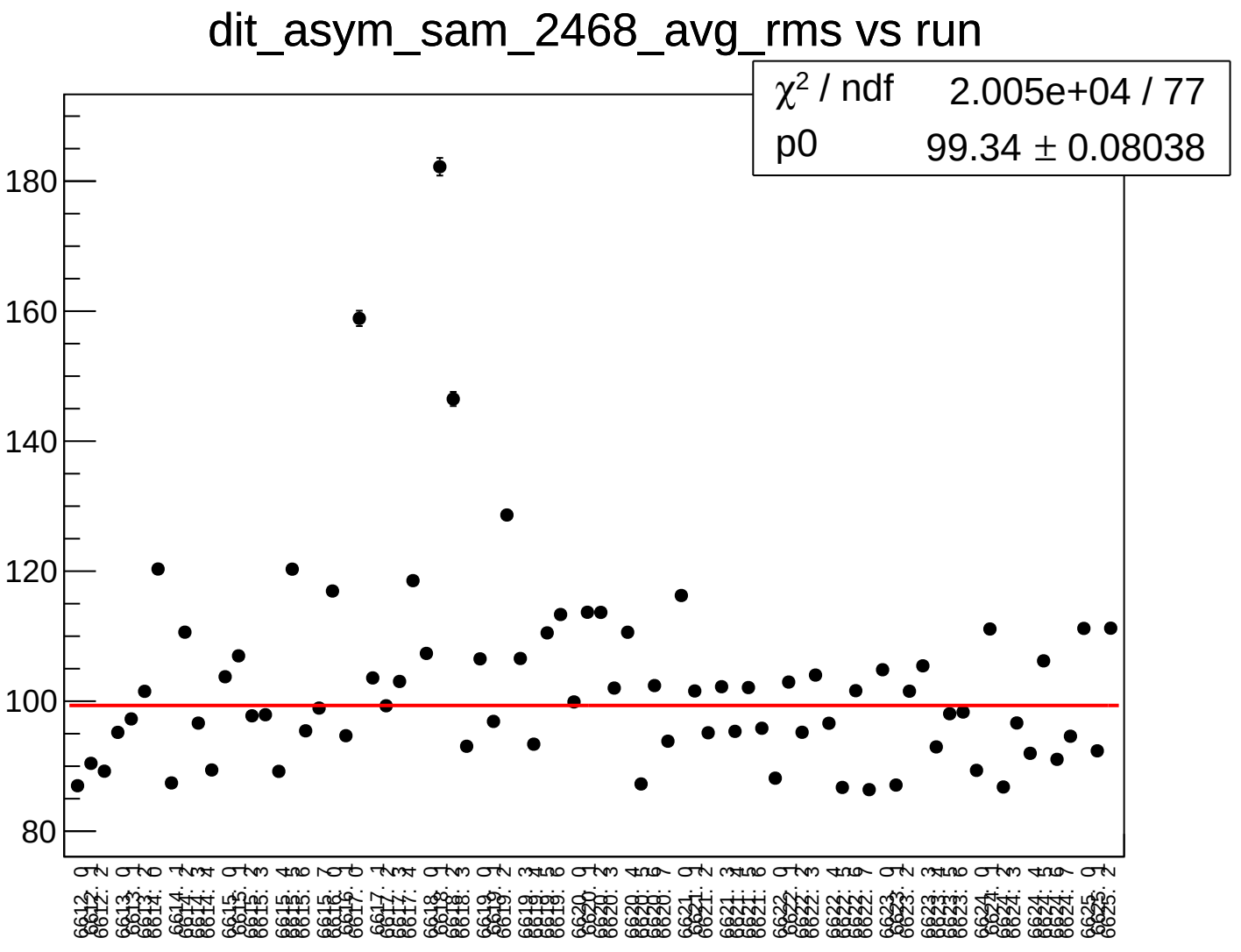

asym_sam_1357_avg_mean vs run
χ² / ndf 78.78 / 77
p0 1190 ± 433.3
pull
Entries 78
Mean 16.93
Std Dev 161

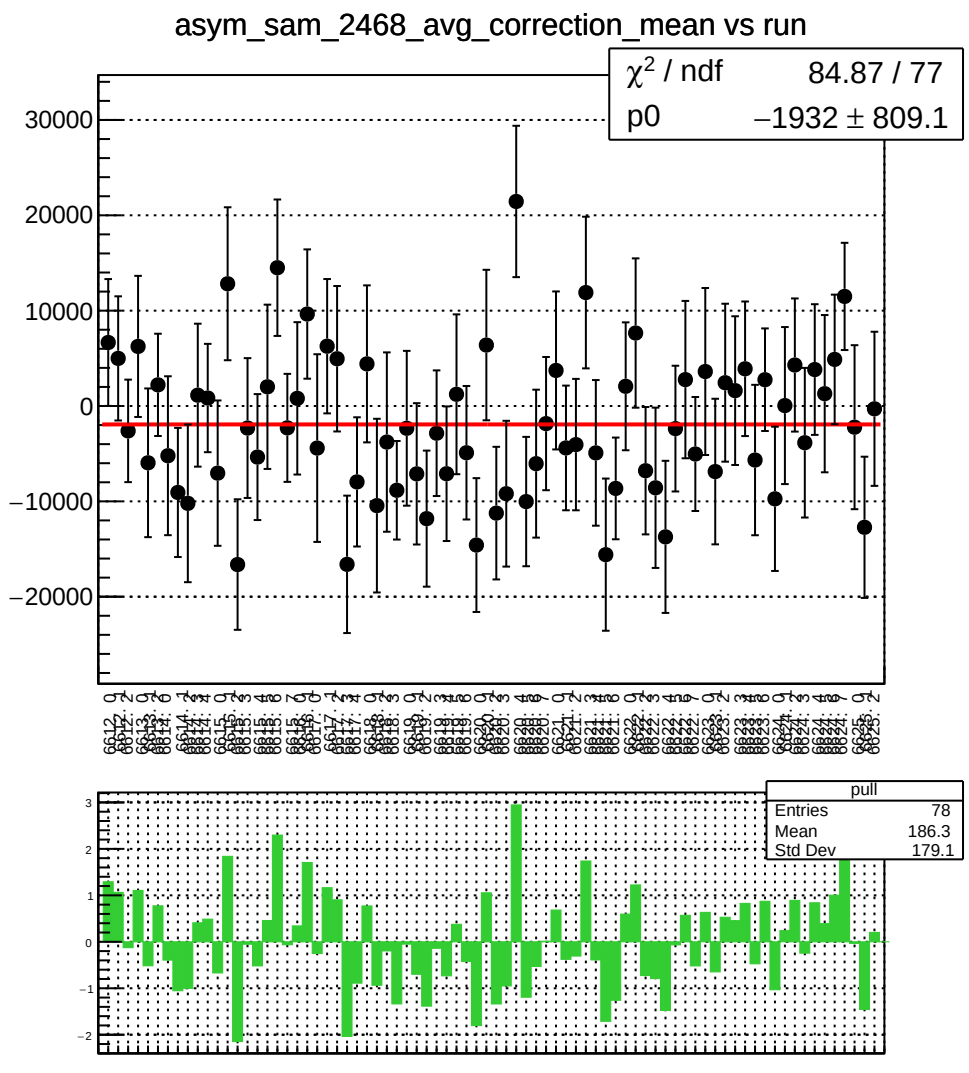

pull1D
Entries 78
Mean −0.004009
Std Dev 1.005

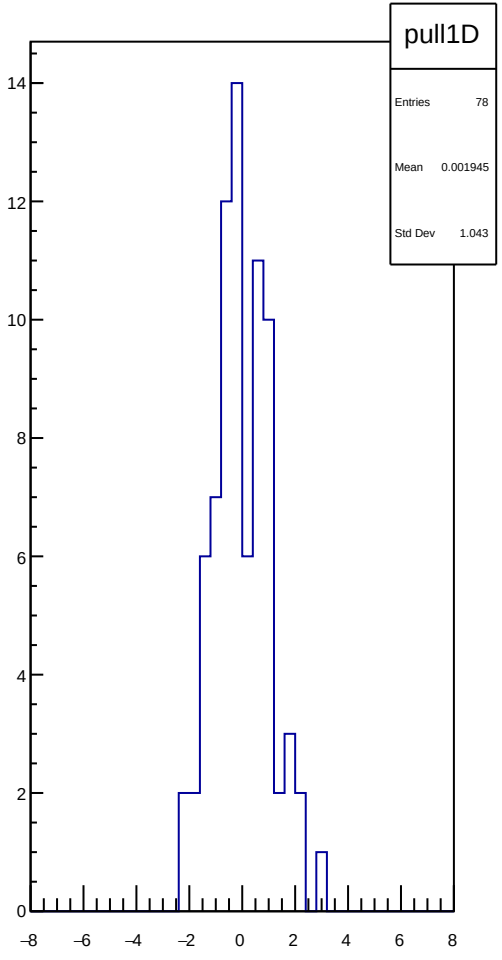

asym_sam_1357_avg_rms vs run
χ² / ndf 1.278e+04 / 77
p0 379.6 ± 0.3064
520
500
480
460
440
420
400
380
360
340
320

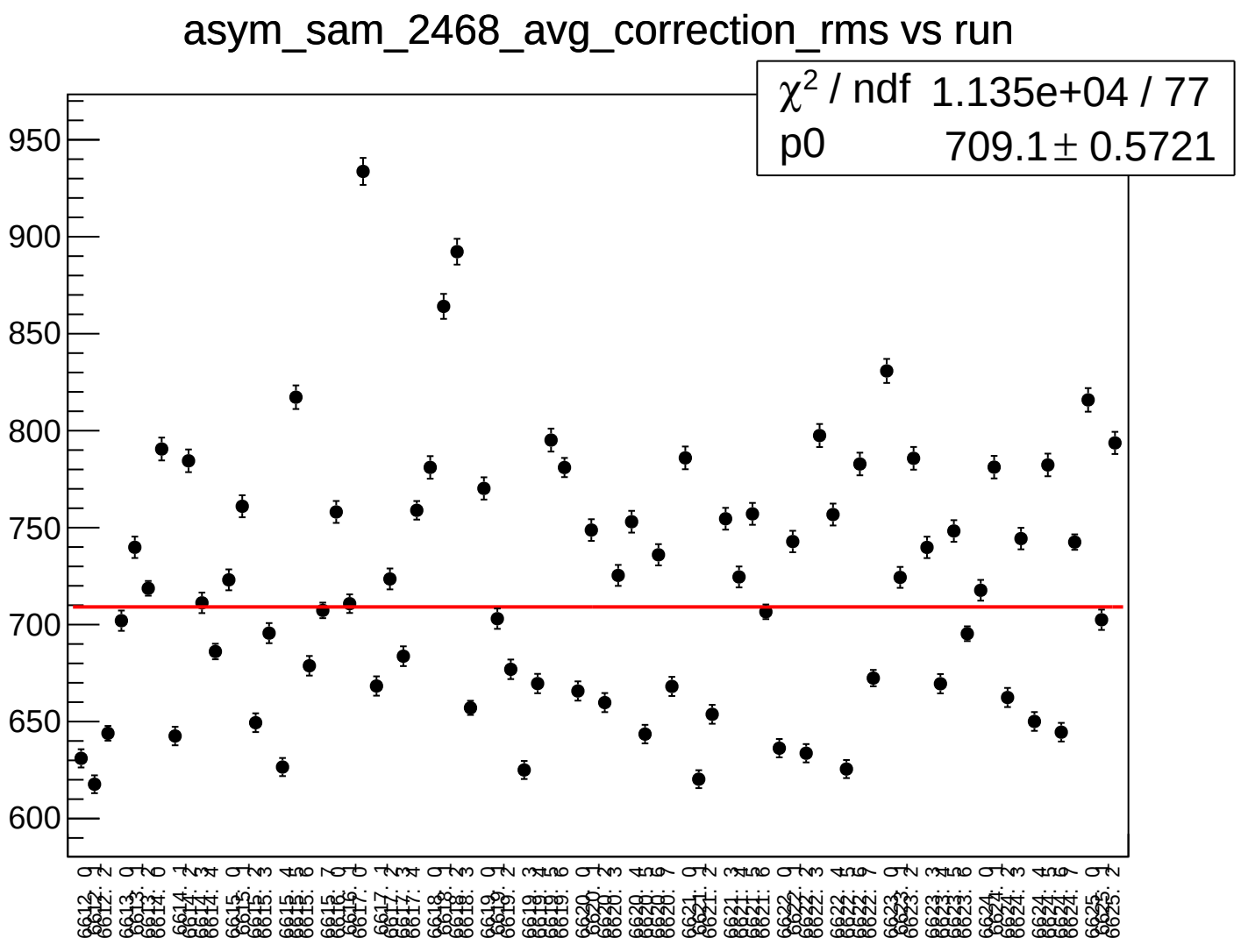

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 65.5 / 77
p0 124.2 ± 113.7
pull
Entries 78
Mean 71.13
Std Dev 23.26

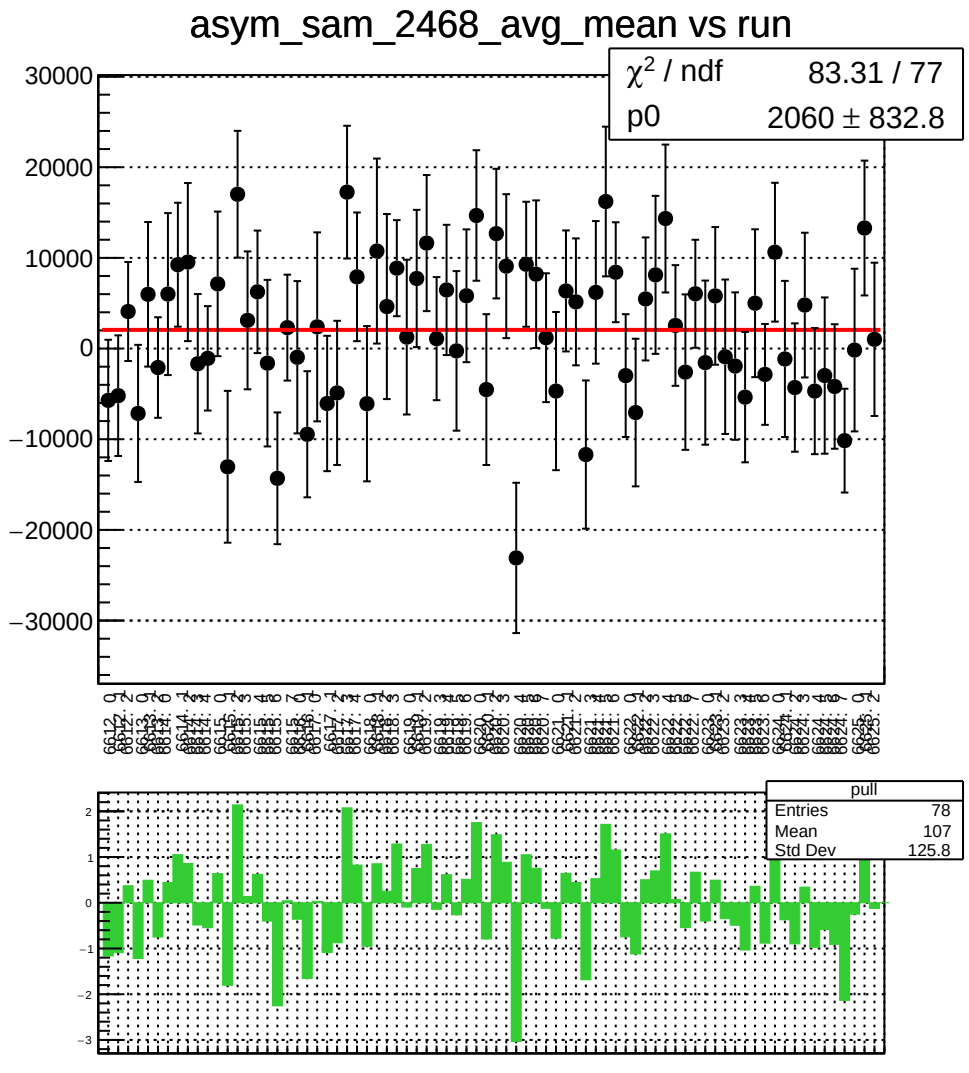

pull1D
Entries 78
Mean −0.02171
Std Dev 0.9161

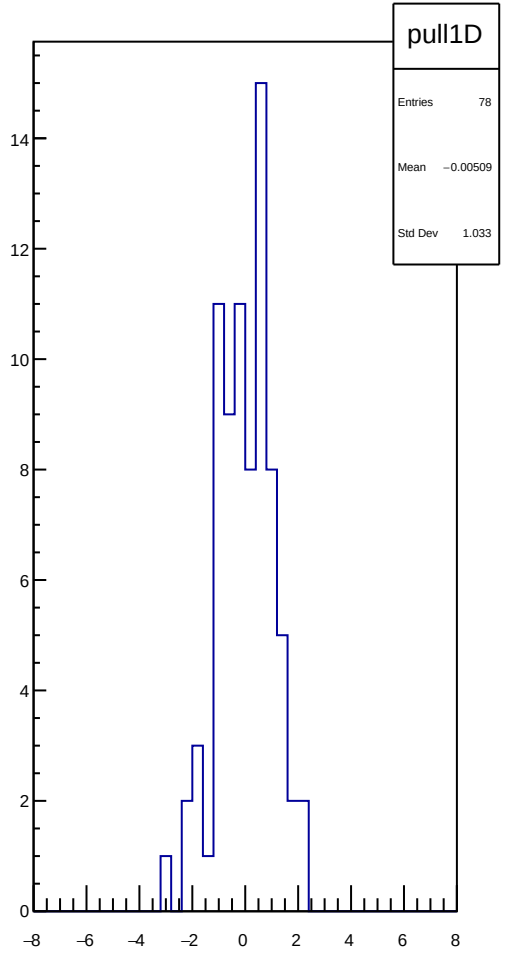

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 2.005e+04 / 77
p0 99.34 ± 0.08038
180
160
140
120
100
80

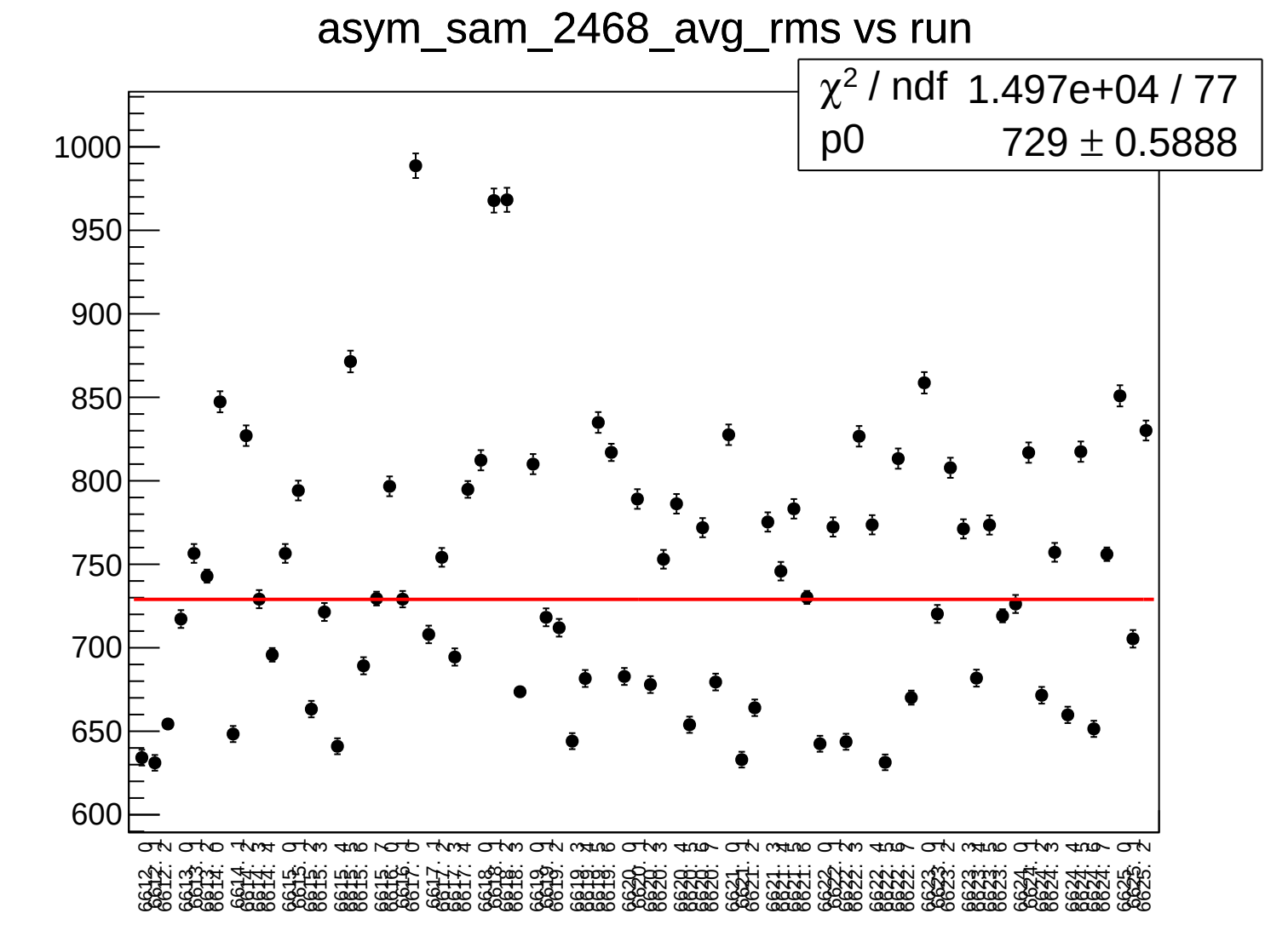

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 84.87 / 77
p0 −1932 ± 809.1
30000
20000
10000
0
−10000
−20000
pull
Entries 78
Mean 186.3
Std Dev 179.1
3
2
1
0
−1
−2

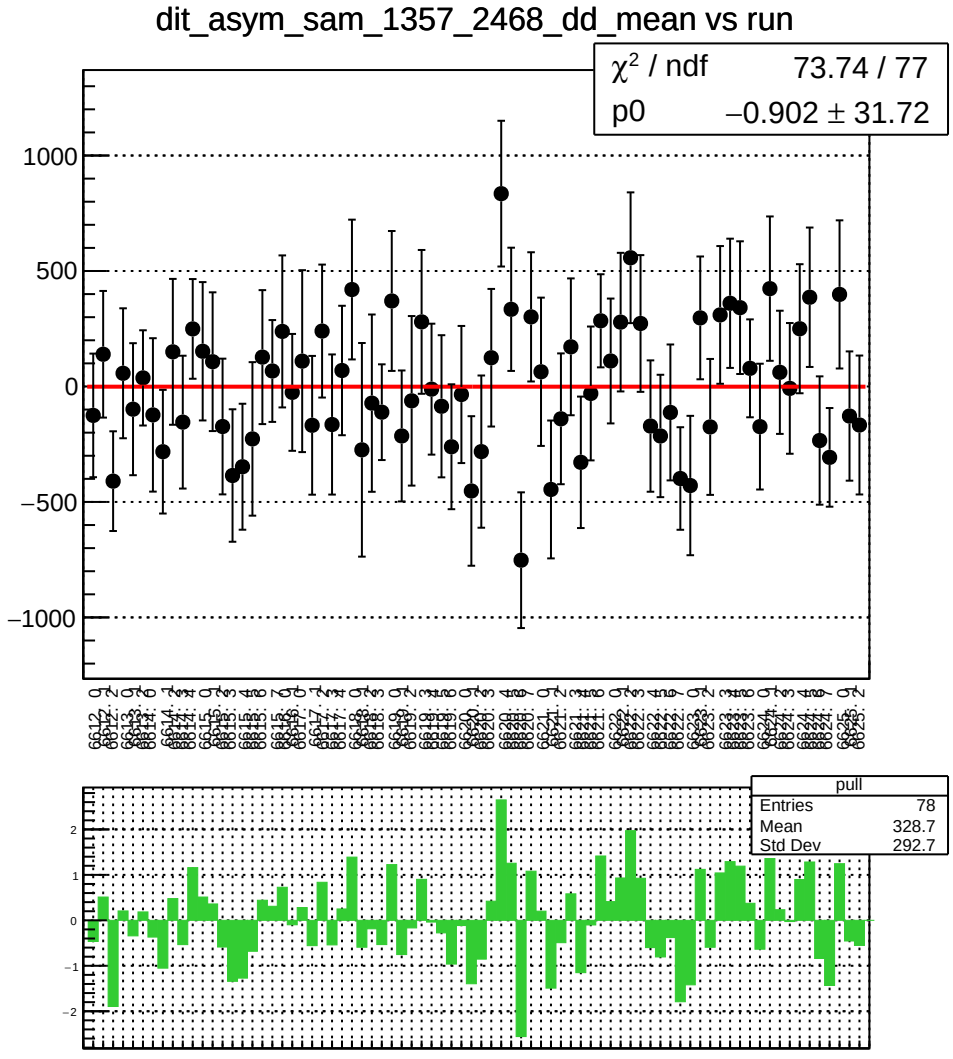

pull1D
Entries 78
Mean 0.001945
Std Dev 1.043
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

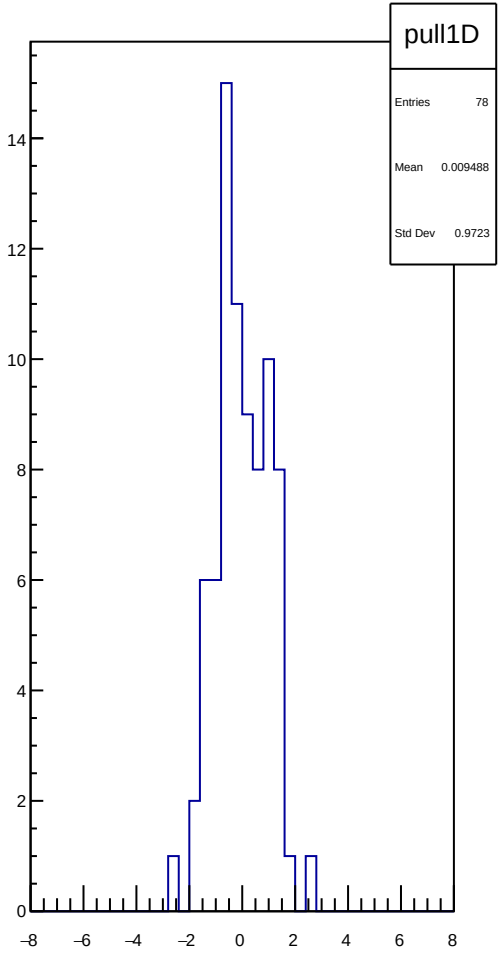

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 1.135e+04 / 77
p0 709.1 ± 0.5721
950
900
850
800
750
700
650
600

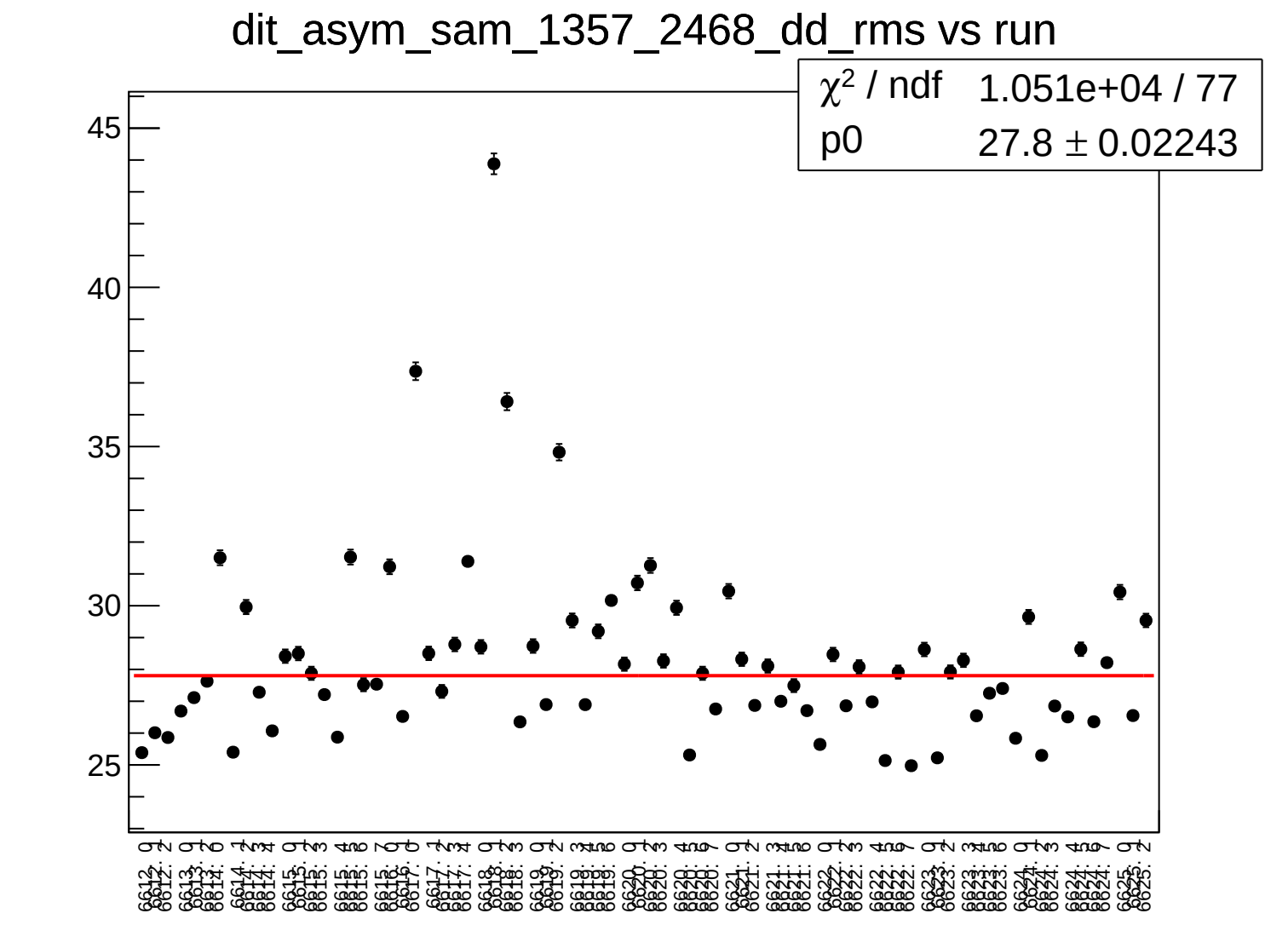

asym_sam_2468_avg_mean vs run
χ² / ndf 83.31 / 77
p0 2060 ± 832.8
pull
Entries 78
Mean 107
Std Dev 125.8

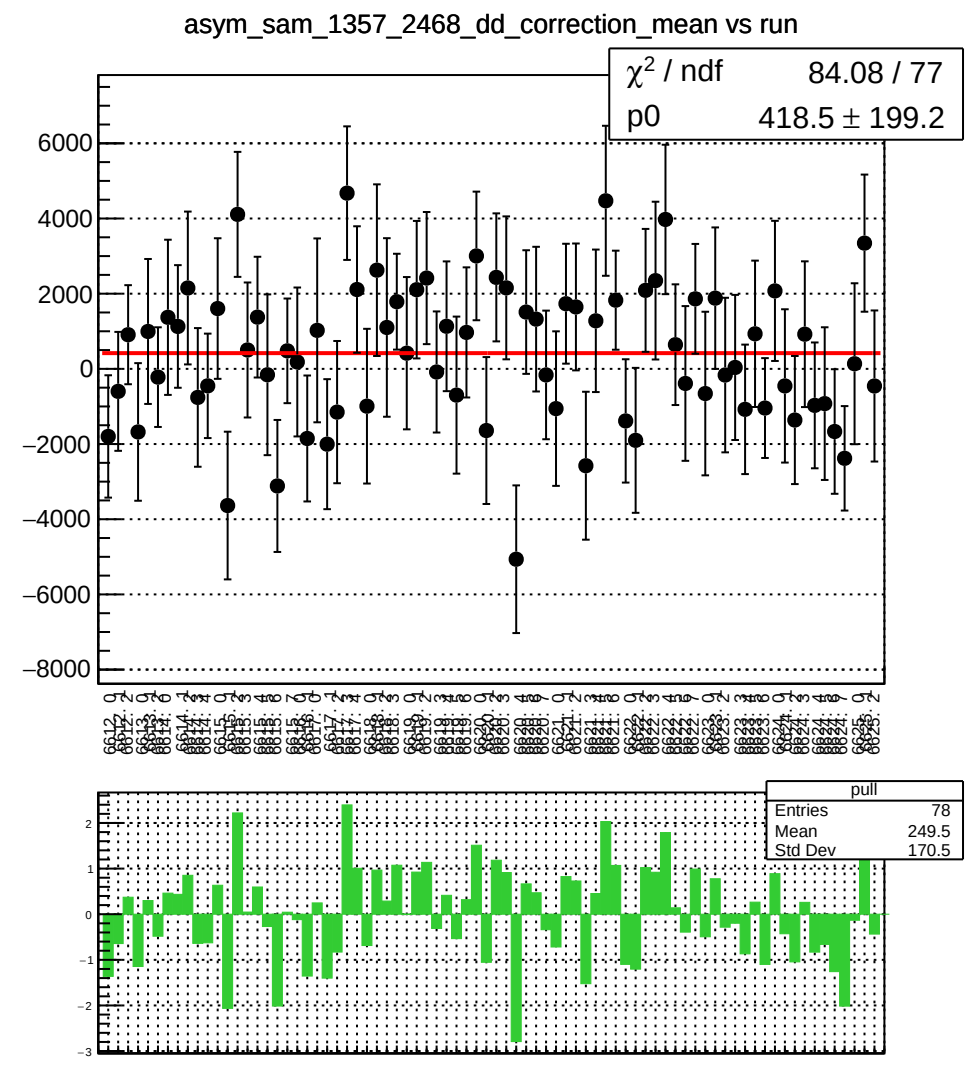

pull1D
Entries 78
Mean −0.00509
Std Dev 1.033

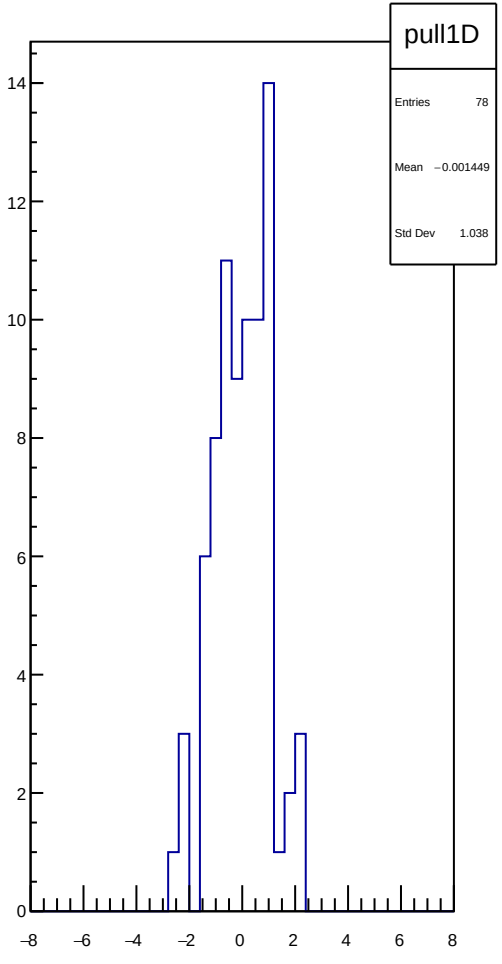

asym_sam_2468_avg_rms vs run
χ² / ndf 1.497e+04 / 77
p0 729 ± 0.5888
1000
950
900
850
800
750
700
650
600

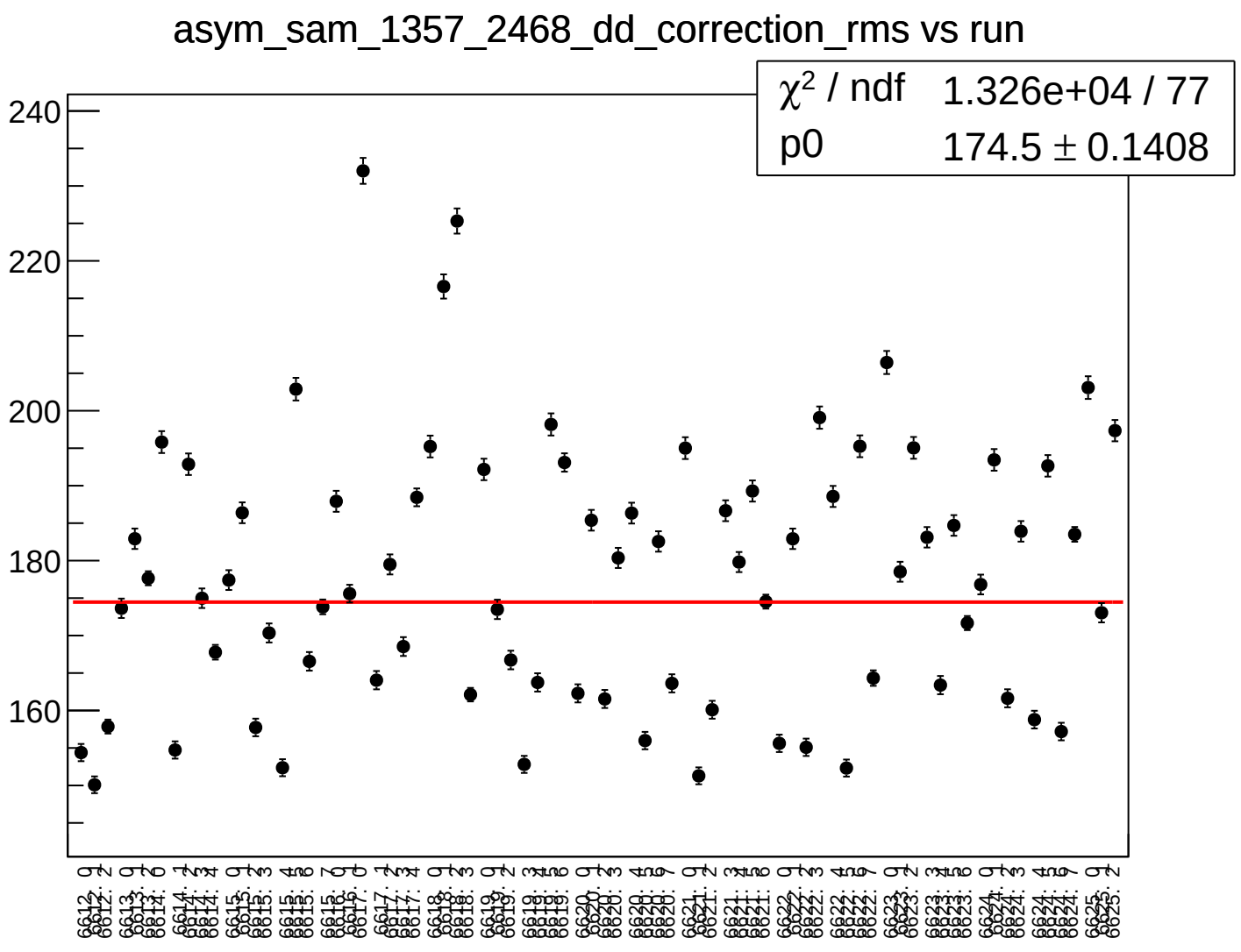

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 73.74 / 77
p0 −0.902 ± 31.72
1000
500
0
−500
−1000
pull
Entries 78
Mean 328.7
Std Dev 292.7
2
1
0
−1
−2

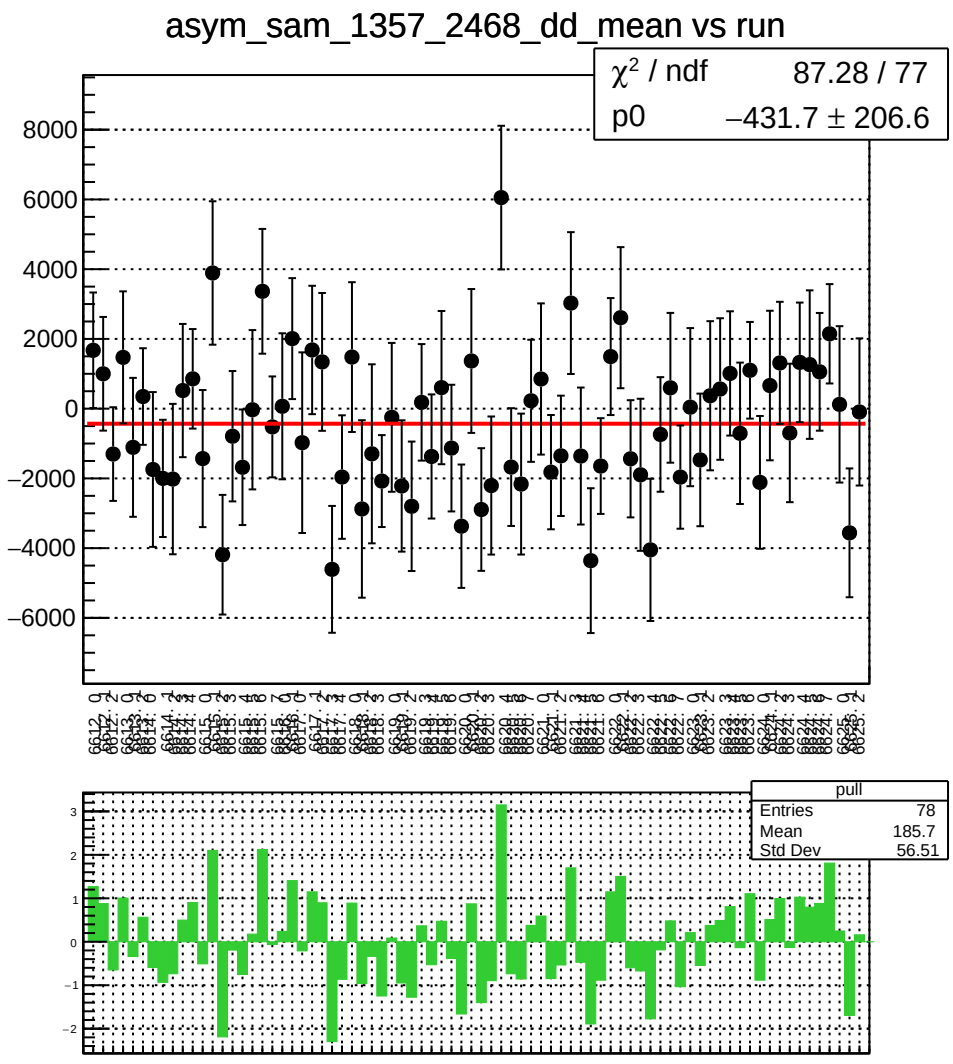

pull1D
Entries 78
Mean 0.009488
Std Dev 0.9723
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

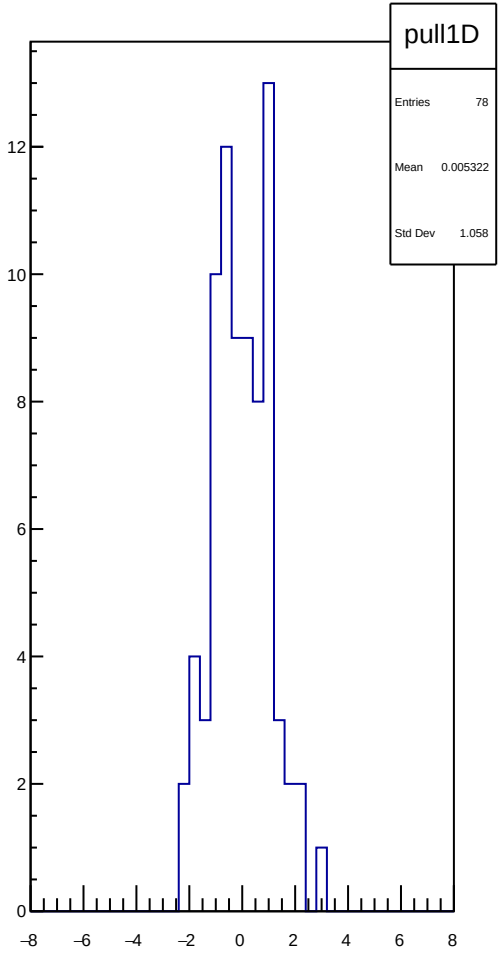

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.051e+04 / 77
p0 27.8 ± 0.02243
45
40
35
30
25

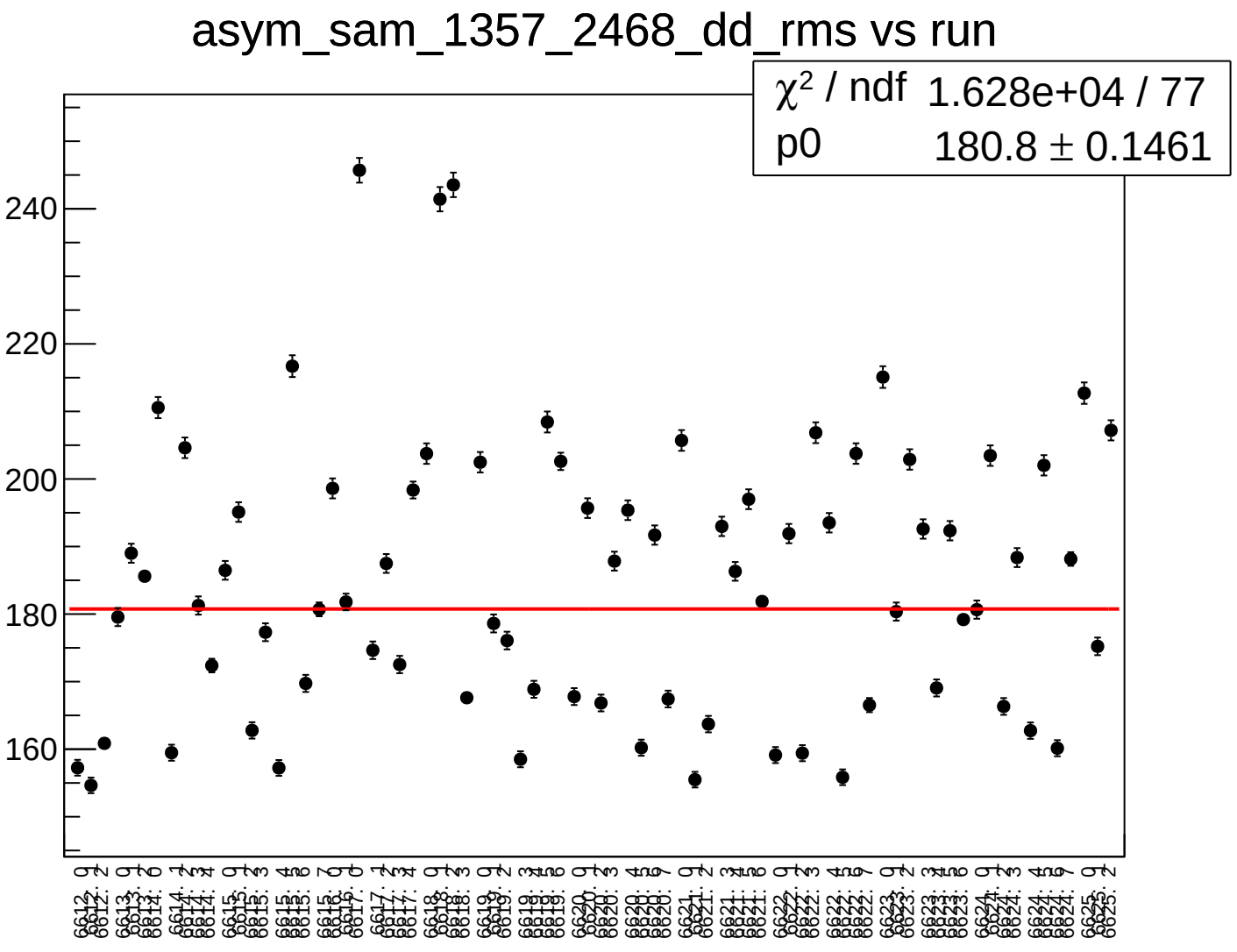

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 84.08 / 77
p0 418.5 ± 199.2
pull
Entries 78
Mean 249.5
Std Dev 170.5

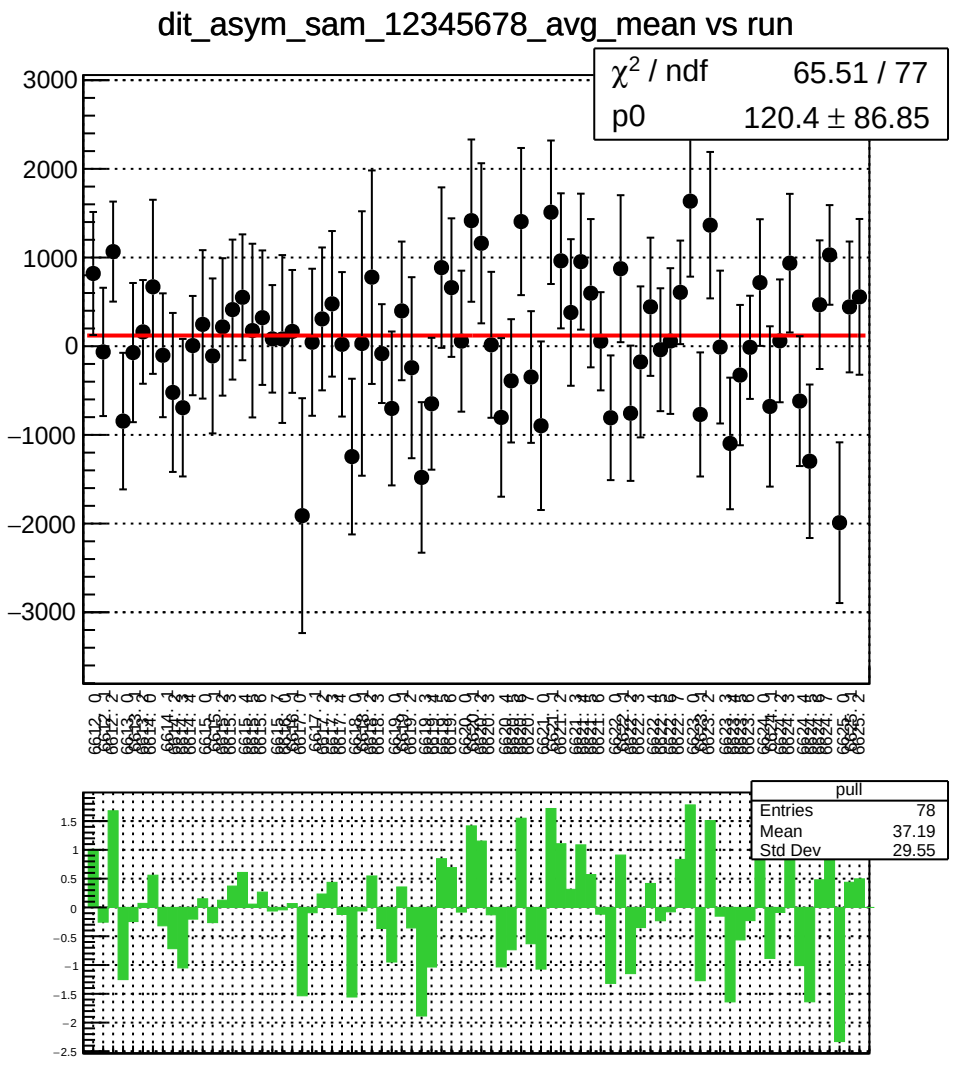

pull1D
Entries 78
Mean −0.001449
Std Dev 1.038

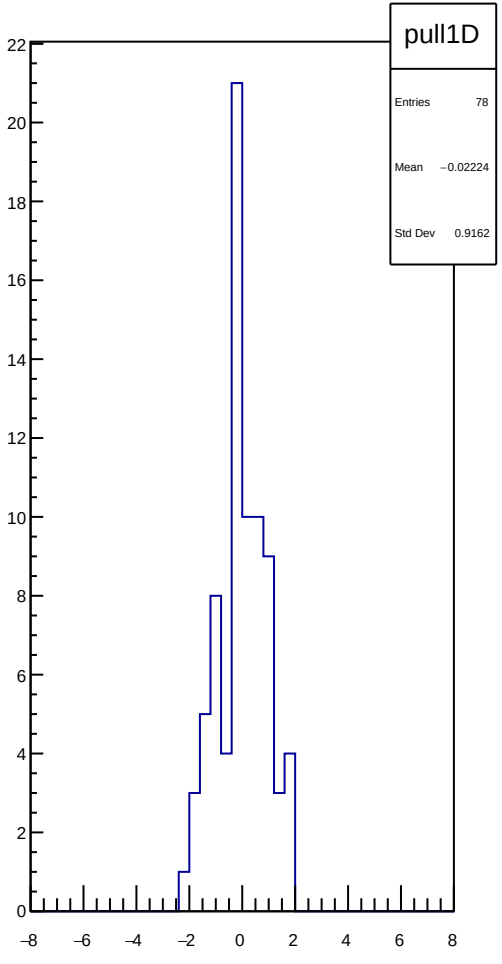

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 1.326e+04 / 77
p0 174.5 ± 0.1408
240
220
200
180
160

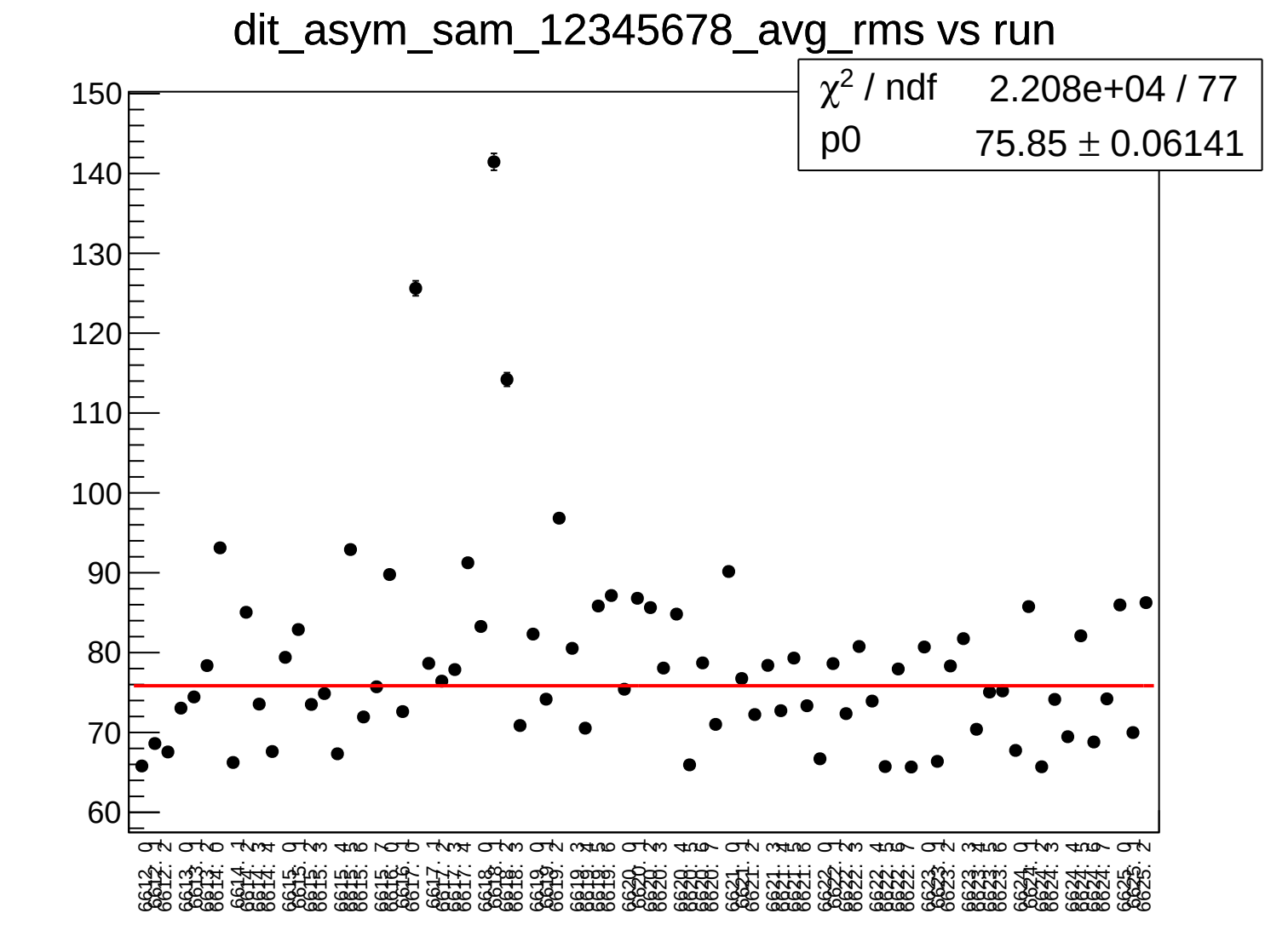

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 87.28 / 77
p0 −431.7 ± 206.6
8000
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 78
Mean 185.7
Std Dev 56.51
3
2
1
0
−1
−2

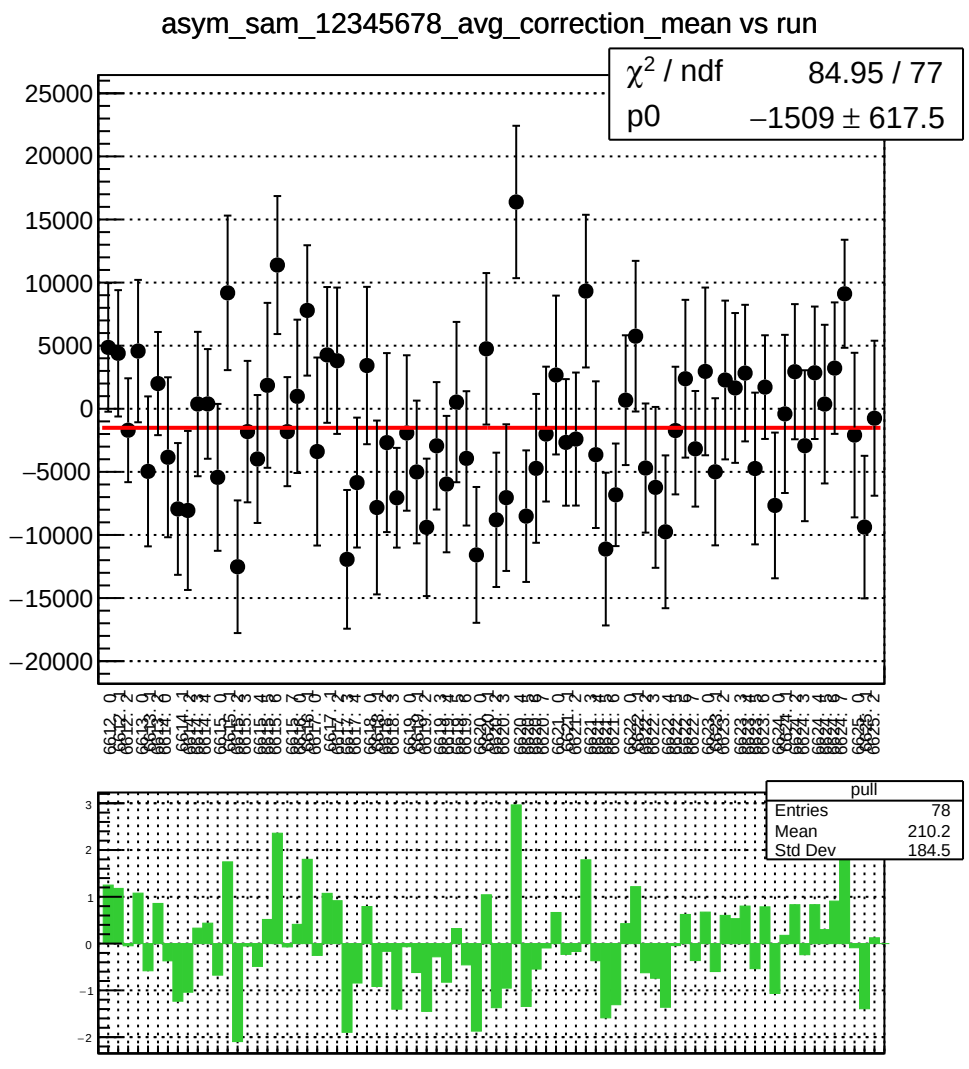

pull1D
Entries 78
Mean 0.005322
Std Dev 1.058
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

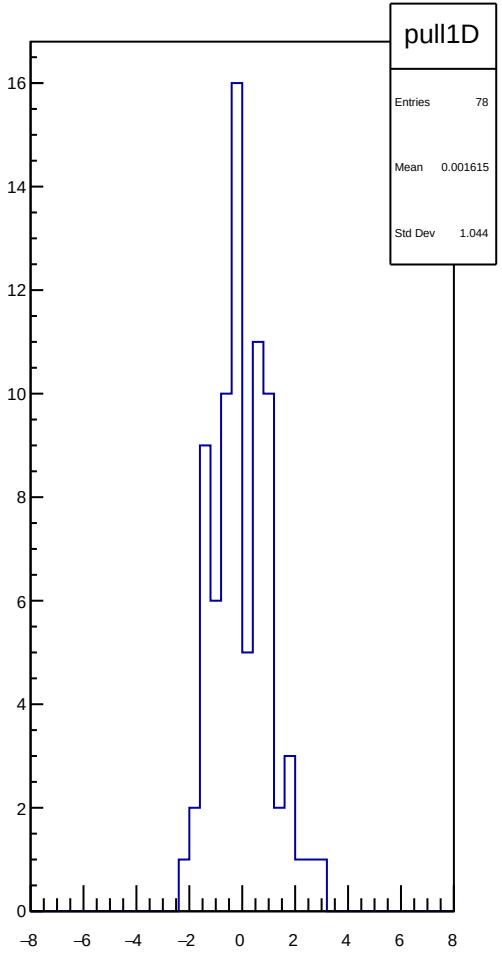

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.628e+04 / 77
p0 180.8 ± 0.1461
240
220
200
180
160

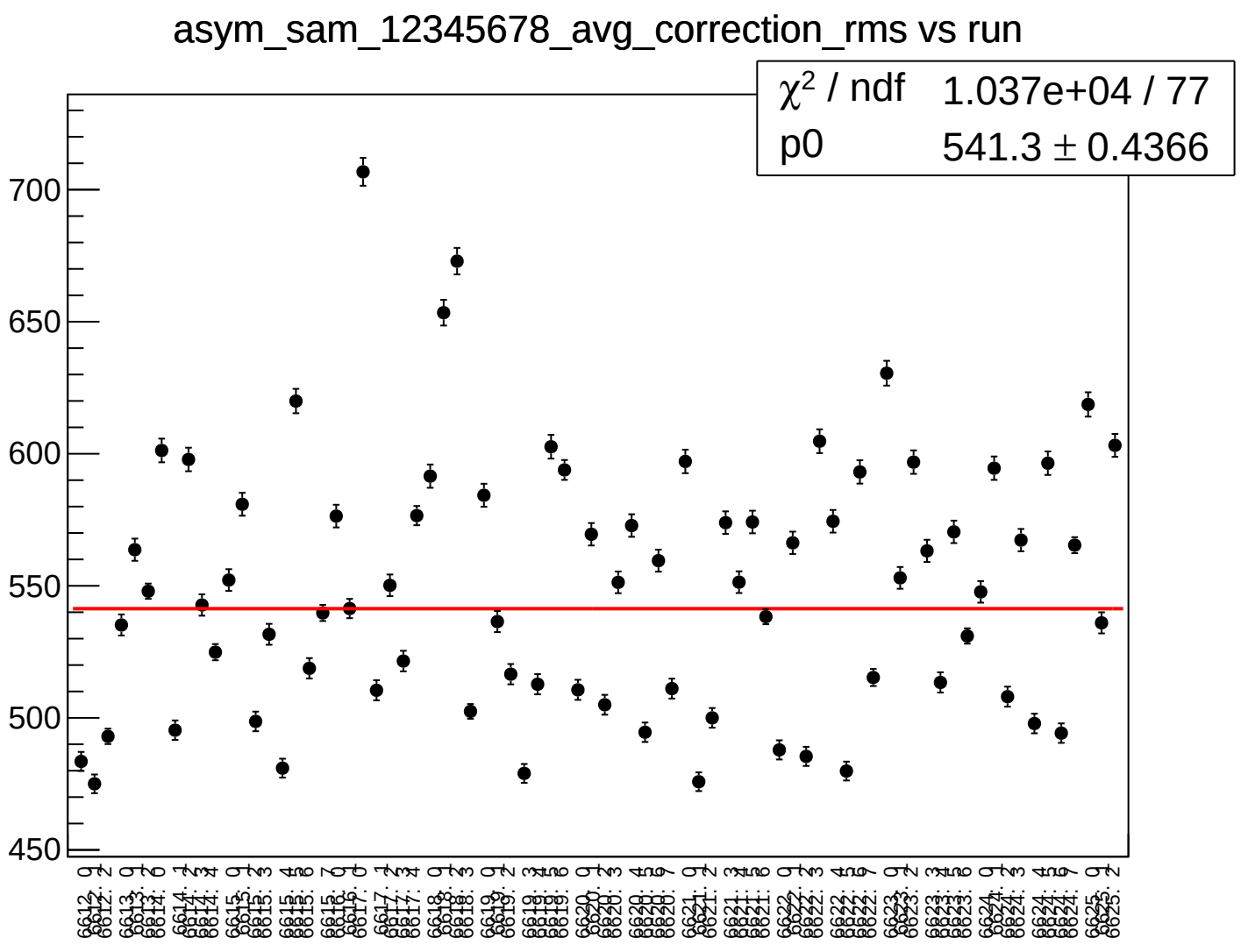

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 65.51 / 77
p0 120.4 ± 86.85
pull
Entries 78
Mean 37.19
Std Dev 29.55

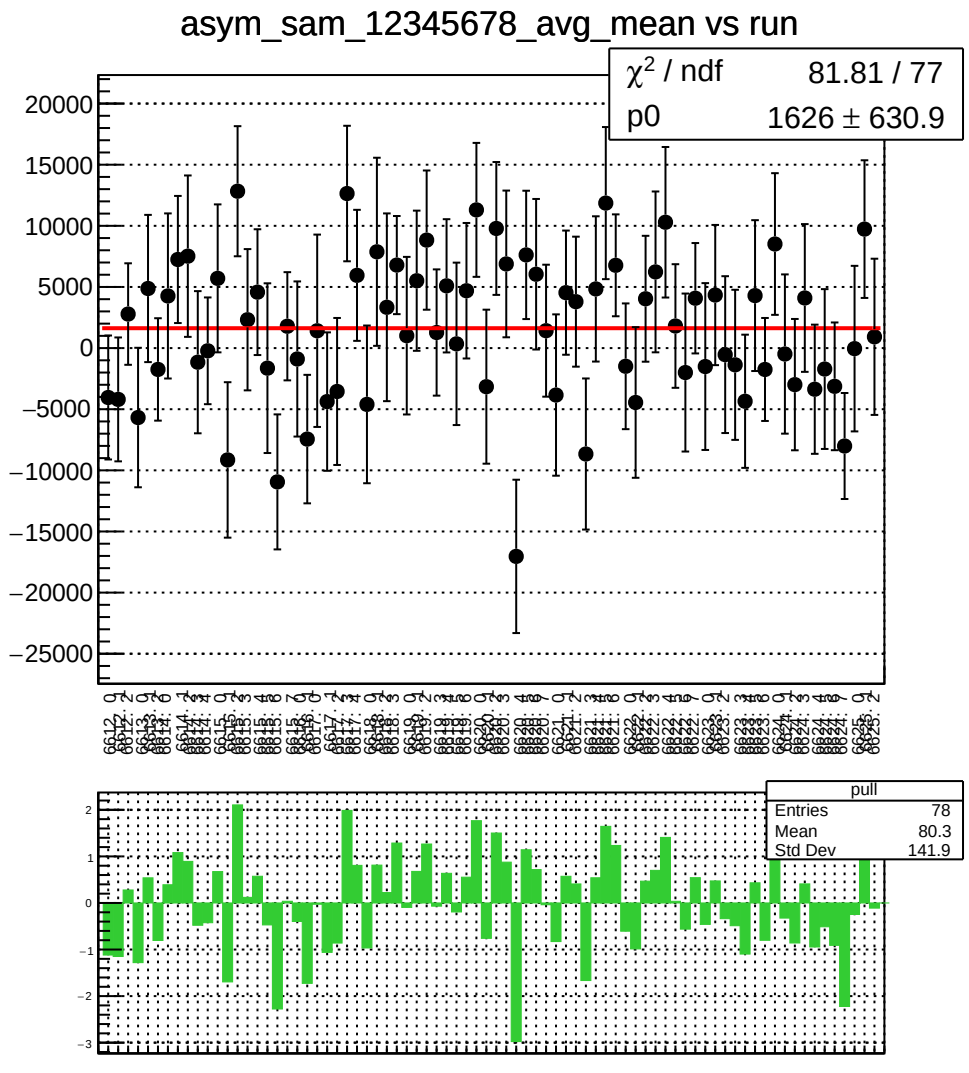

pull1D
Entries 78
Mean −0.02224
Std Dev 0.9162

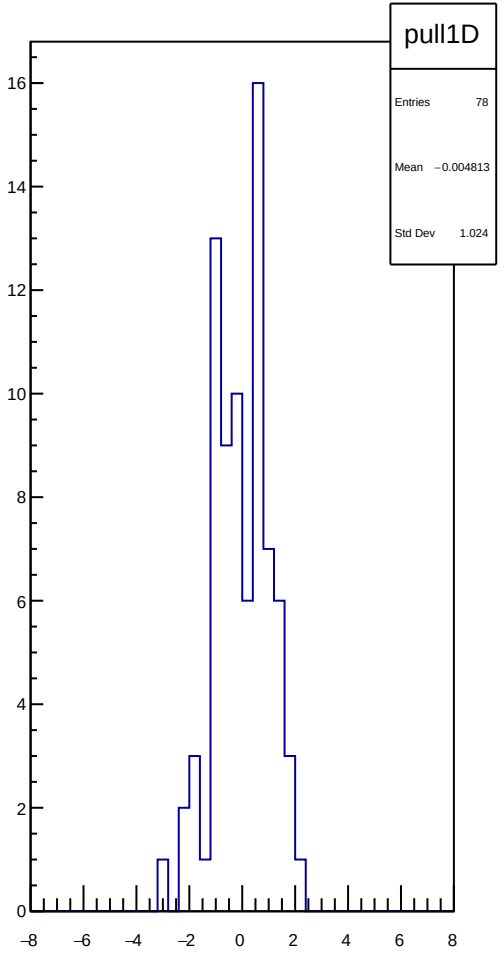

dit_asym_sam_12345678_avg_rms vs run
χ^2 / ndf 2.208e+04 / 77
p0 75.85 ± 0.06141
150
140
130
120
110
100
90
80
70
60

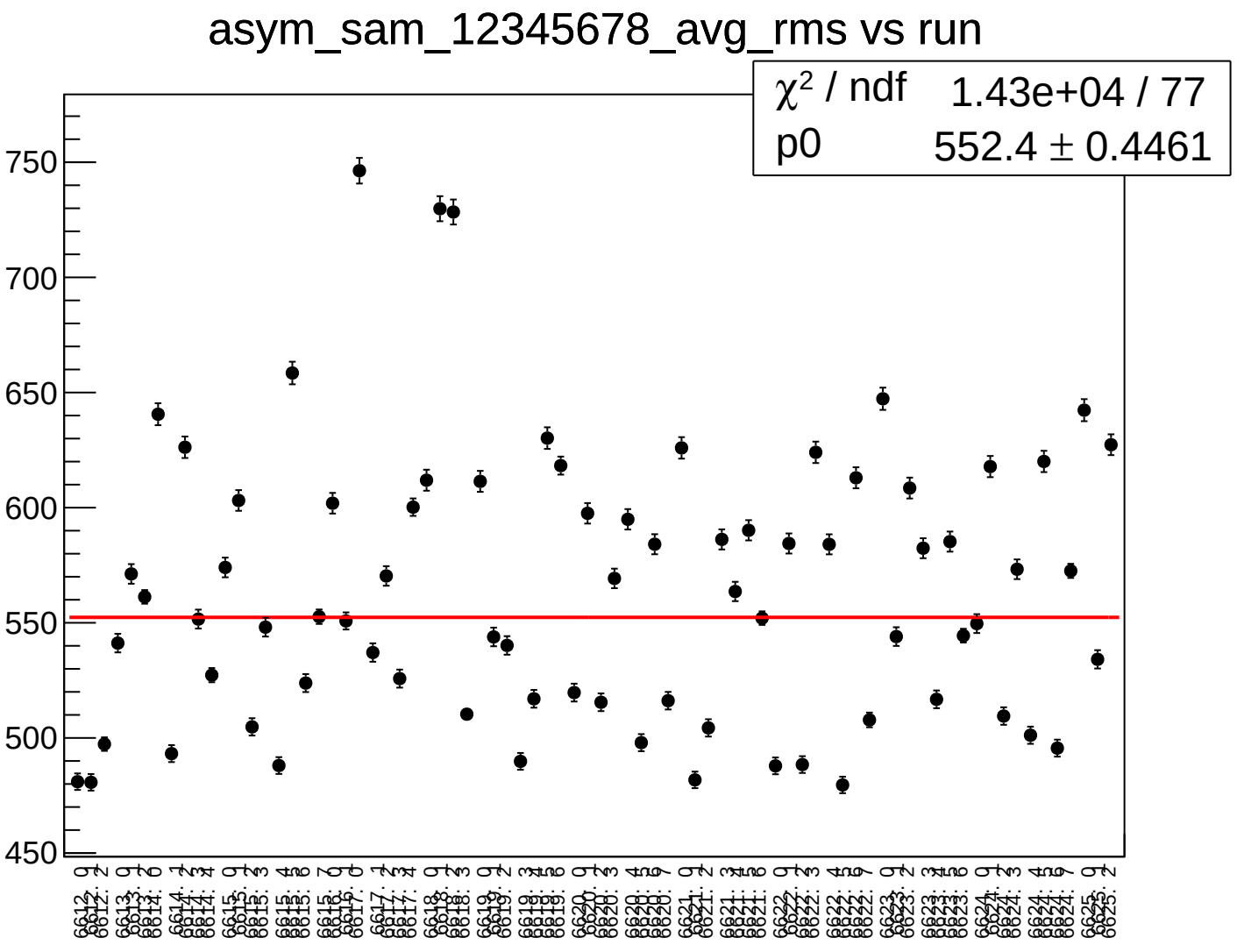

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 84.95 / 77
p0 −1509 ± 617.5
pull
Entries 78
Mean 210.2
Std Dev 184.5

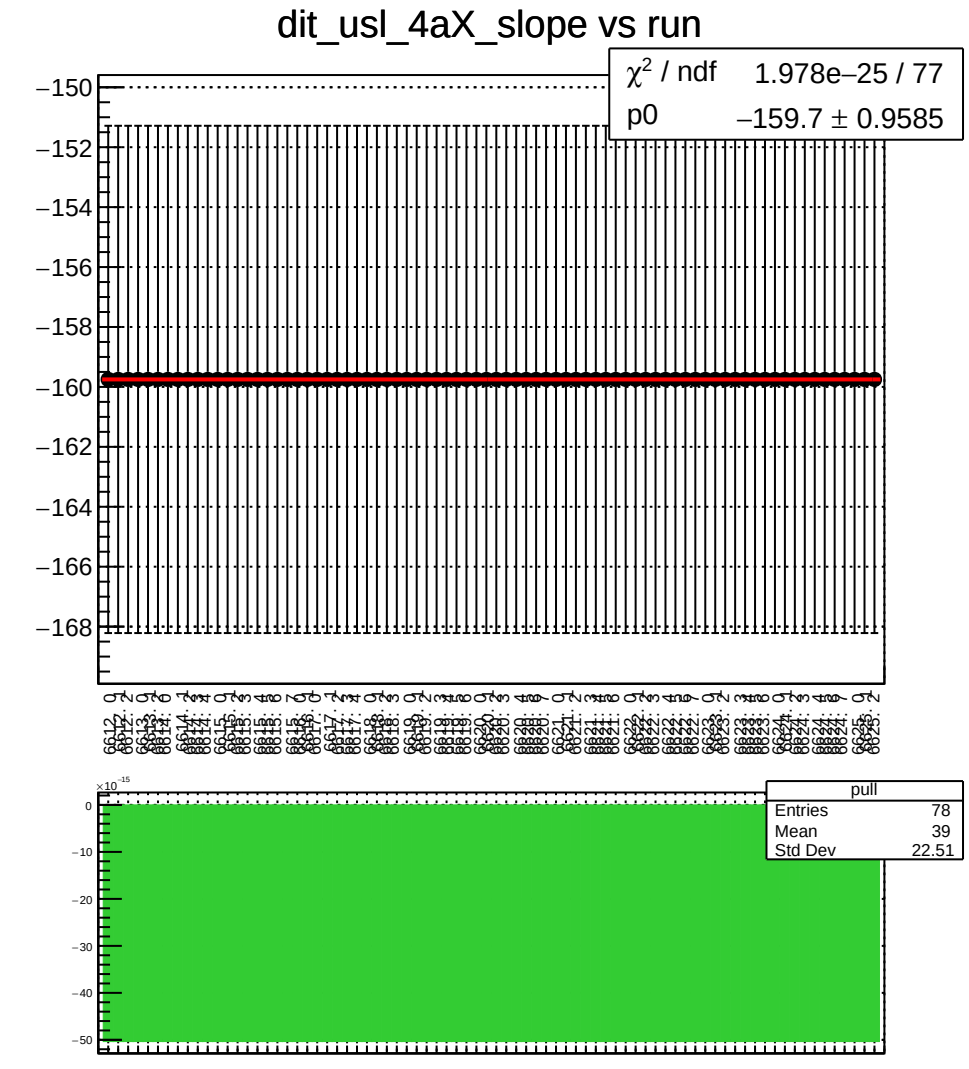

pull1D
Entries 78
Mean 0.001615
Std Dev 1.044

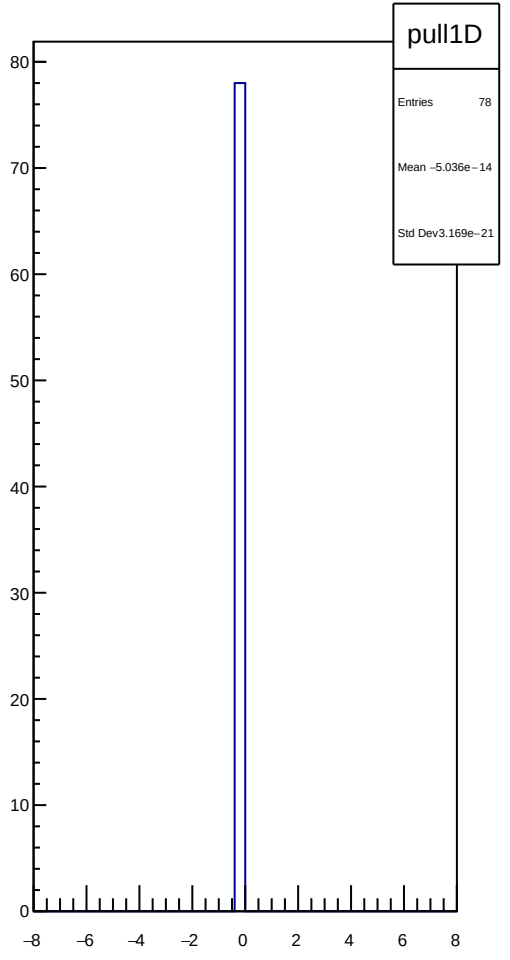

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 1.037e+04 / 77
p0 541.3 ± 0.4366
700
650
600
550
500
450

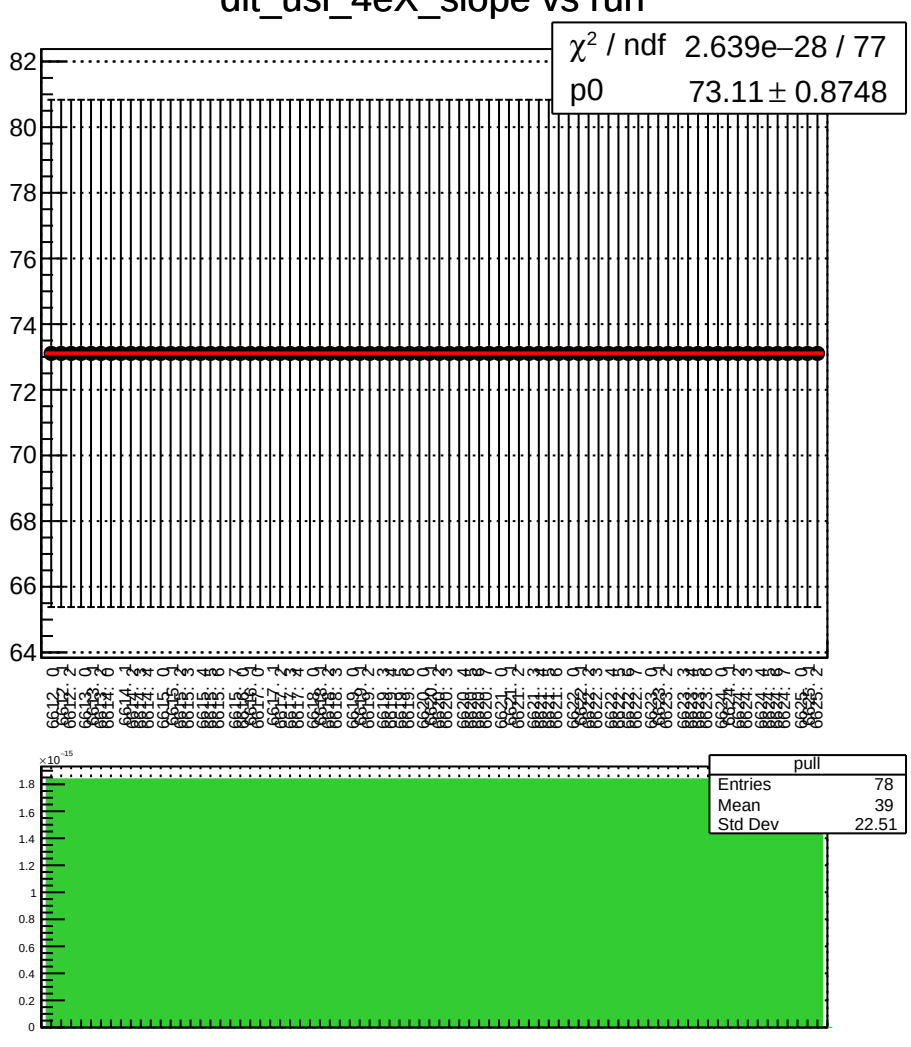

asym_sam_12345678_avg_mean vs run
χ² / ndf 81.81 / 77
p0 1626 ± 630.9
pull
Entries 78
Mean 80.3
Std Dev 141.9

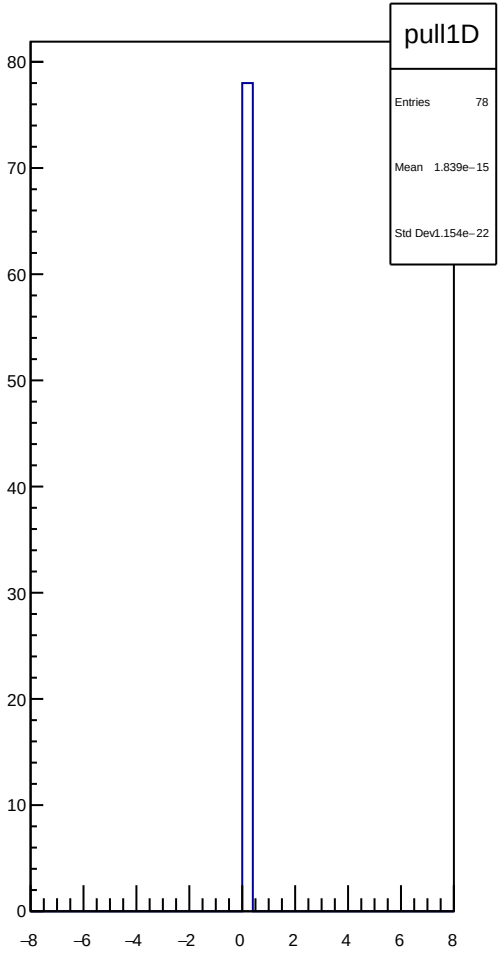

pull1D
Entries 78
Mean −0.004813
Std Dev 1.024

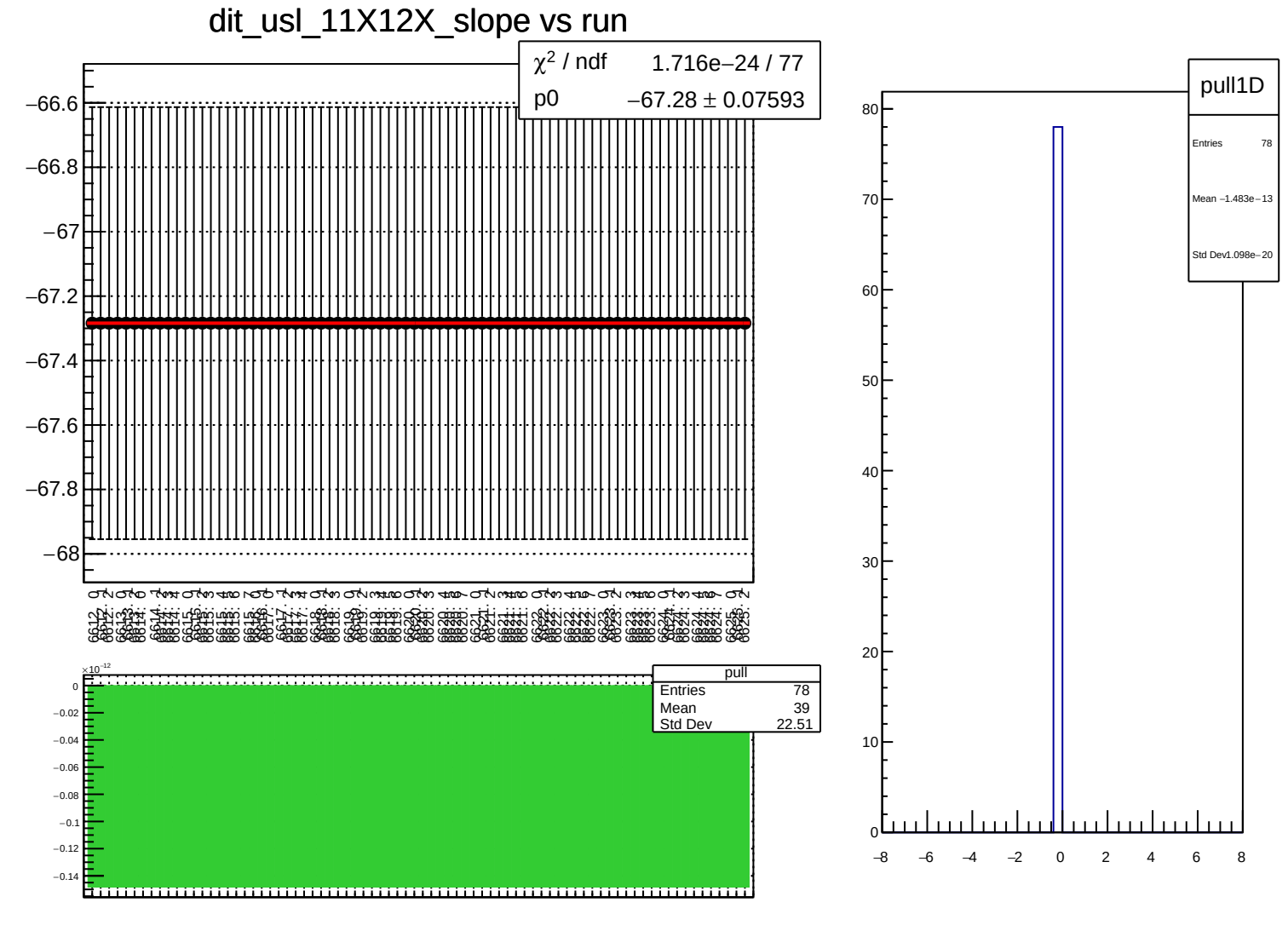

asym_sam_12345678_avg_rms vs run
χ² / ndf 1.43e+04 / 77
p0 552.4 ± 0.4461
750
700
650
600
550
500
450

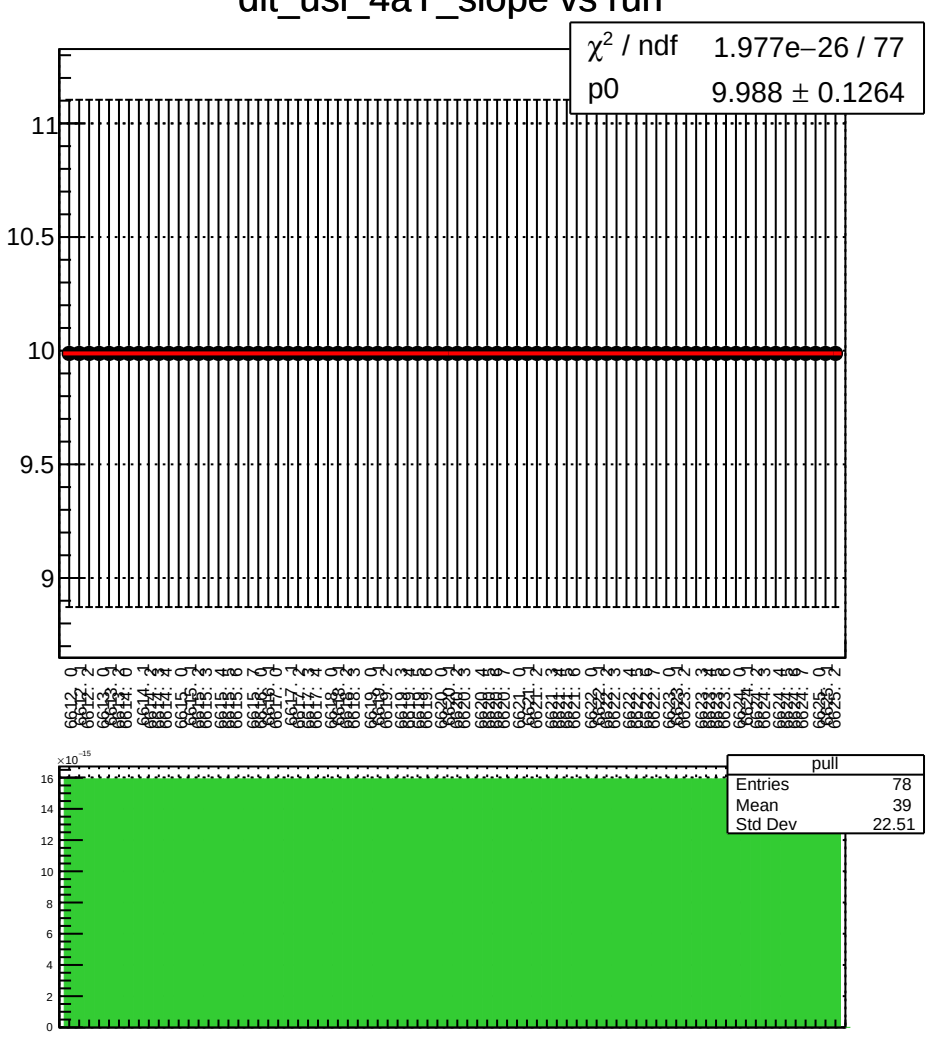

dit_usl_4aX_slope vs run
χ² / ndf 1.978e−25 / 77
p0 −159.7 ± 0.9585
−150
−152
−154
−156
−158
−160
−162
−164
−166
−168
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
0
−10
−20
−30
−40
−50

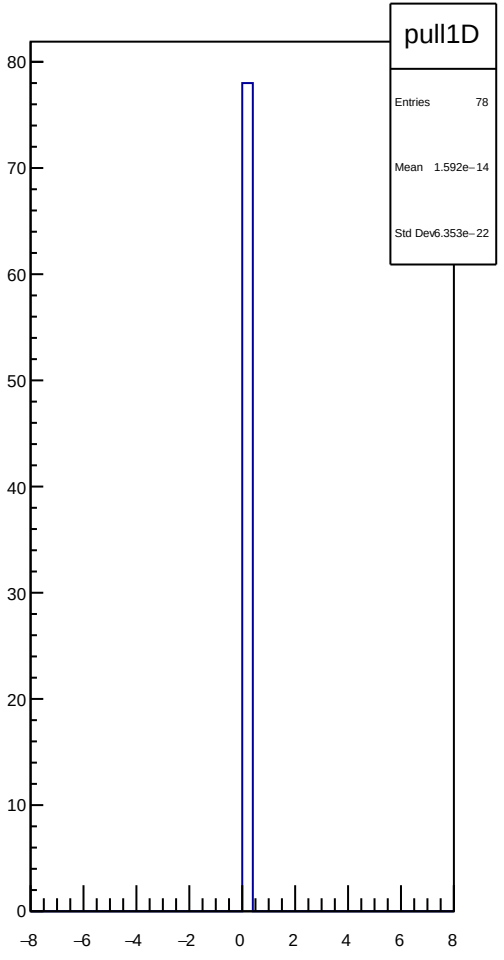

pull1D
Entries 78
Mean −5.036e−14
Std Dev3.169e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

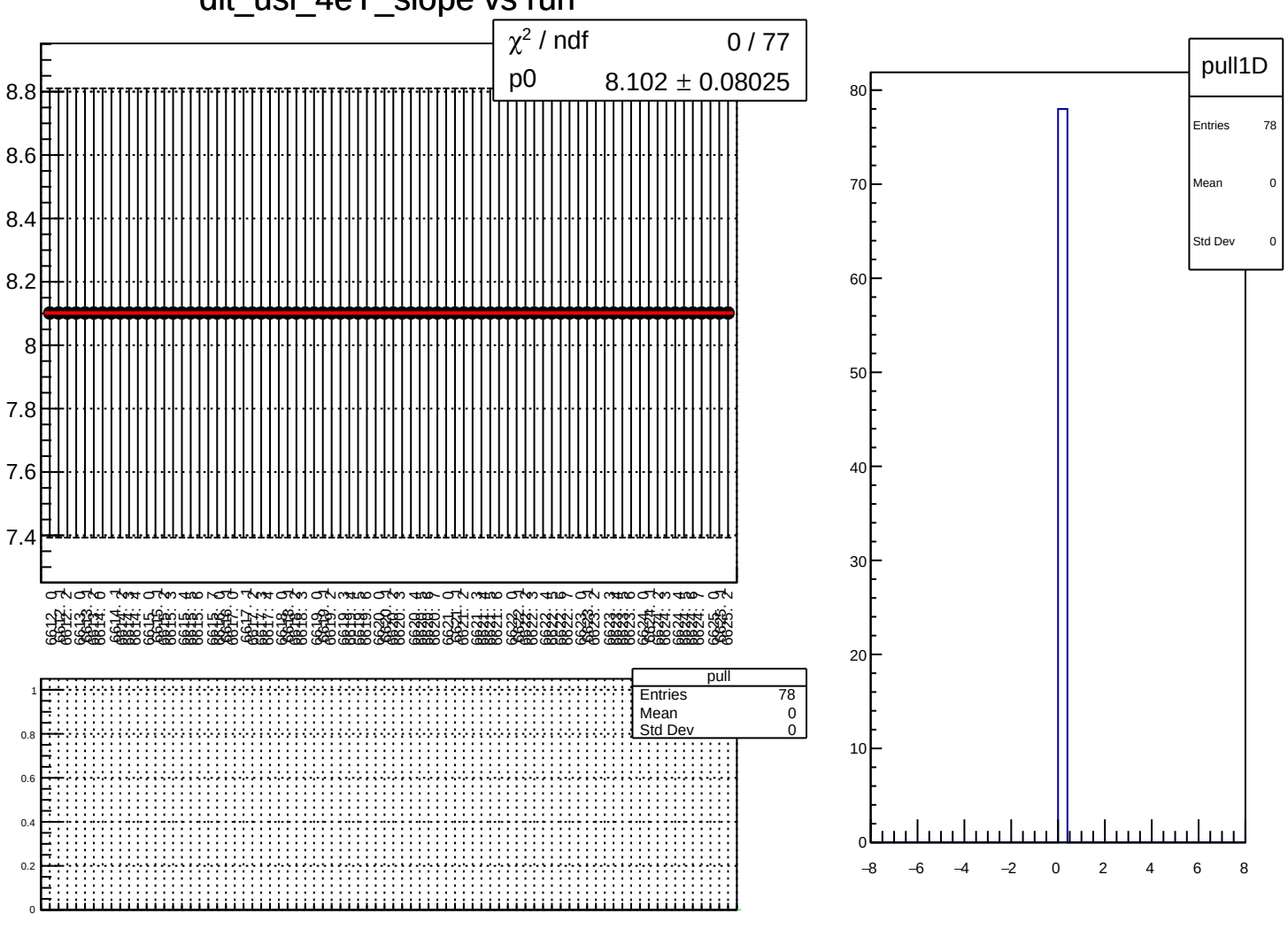

dit_usl_4eX_slope vs run
χ² / ndf 2.639e−28 / 77
p0 73.11 ± 0.8748
pull
Entries 78
Mean 39
Std Dev 22.51

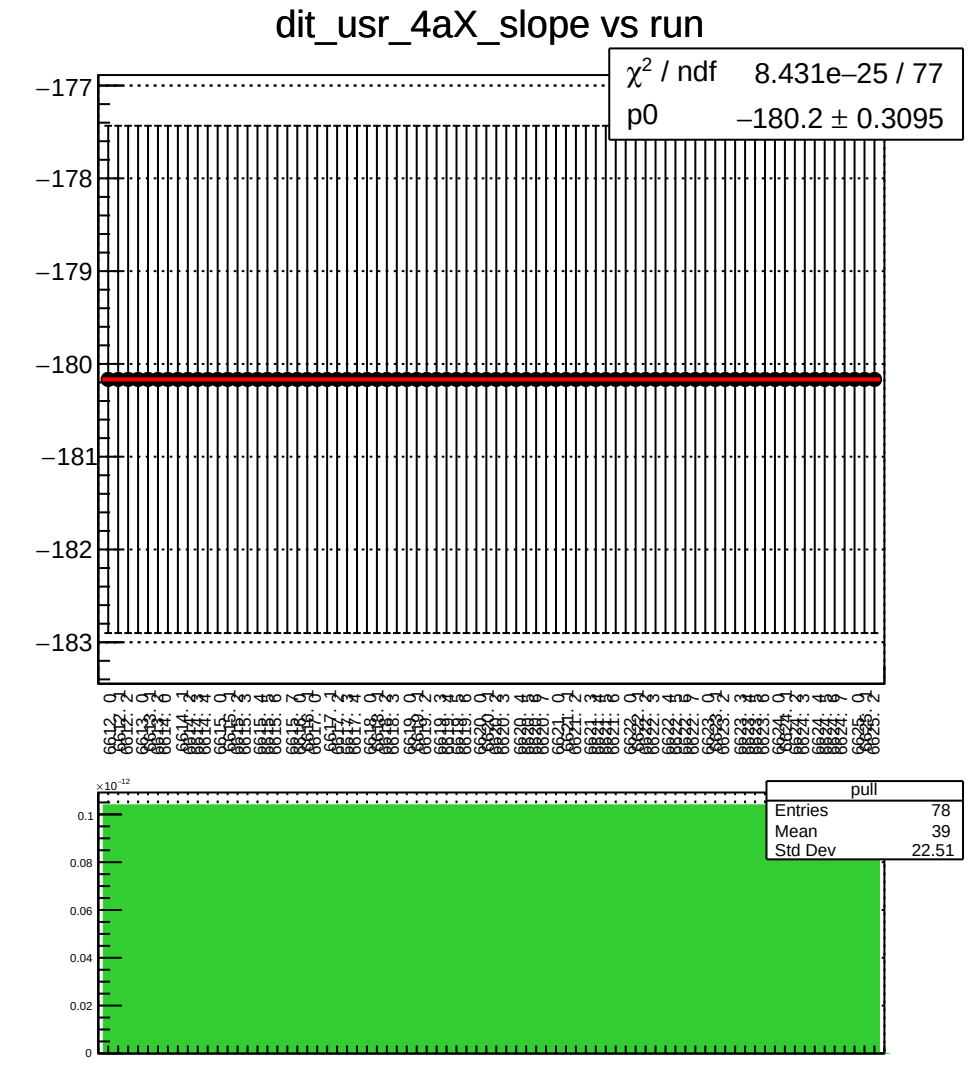

pull1D
Entries 78
Mean 1.839e−15
Std Dev1.154e−22

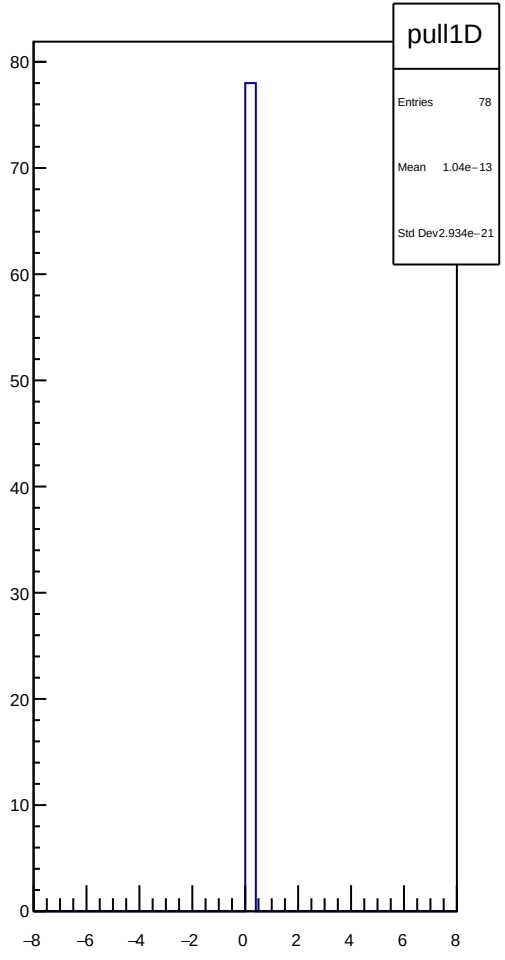

dit_usl_11X12X_slope vs run
χ² / ndf 1.716e−24 / 77
p0 −67.28 ± 0.07593
−66.6
−66.8
−67
−67.2
−67.4
−67.6
−67.8
−68
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
pull1D
Entries 78
Mean −1.483e−13
Std Dev1.098e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

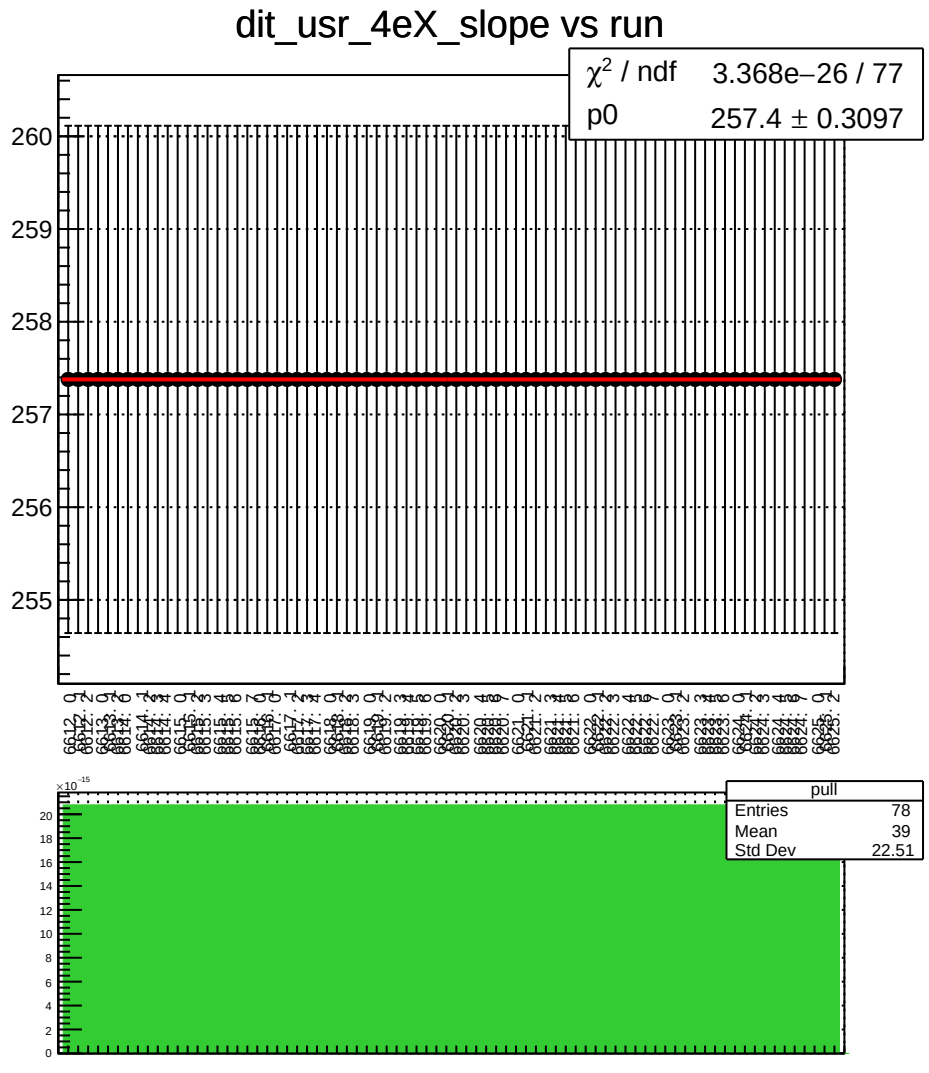

dit_usl_4aY_slope vs run
χ^2 / ndf 1.977e−26 / 77
p0 9.988 ± 0.1264
pull
Entries 78
Mean 39
Std Dev 22.51

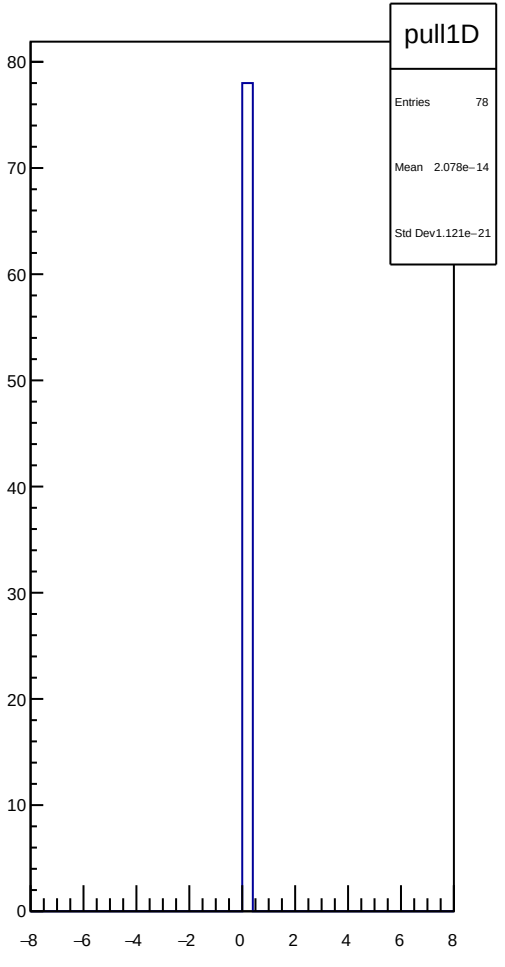

pull1D
Entries 78
Mean 1.592e−14
Std Dev 6.353e−22

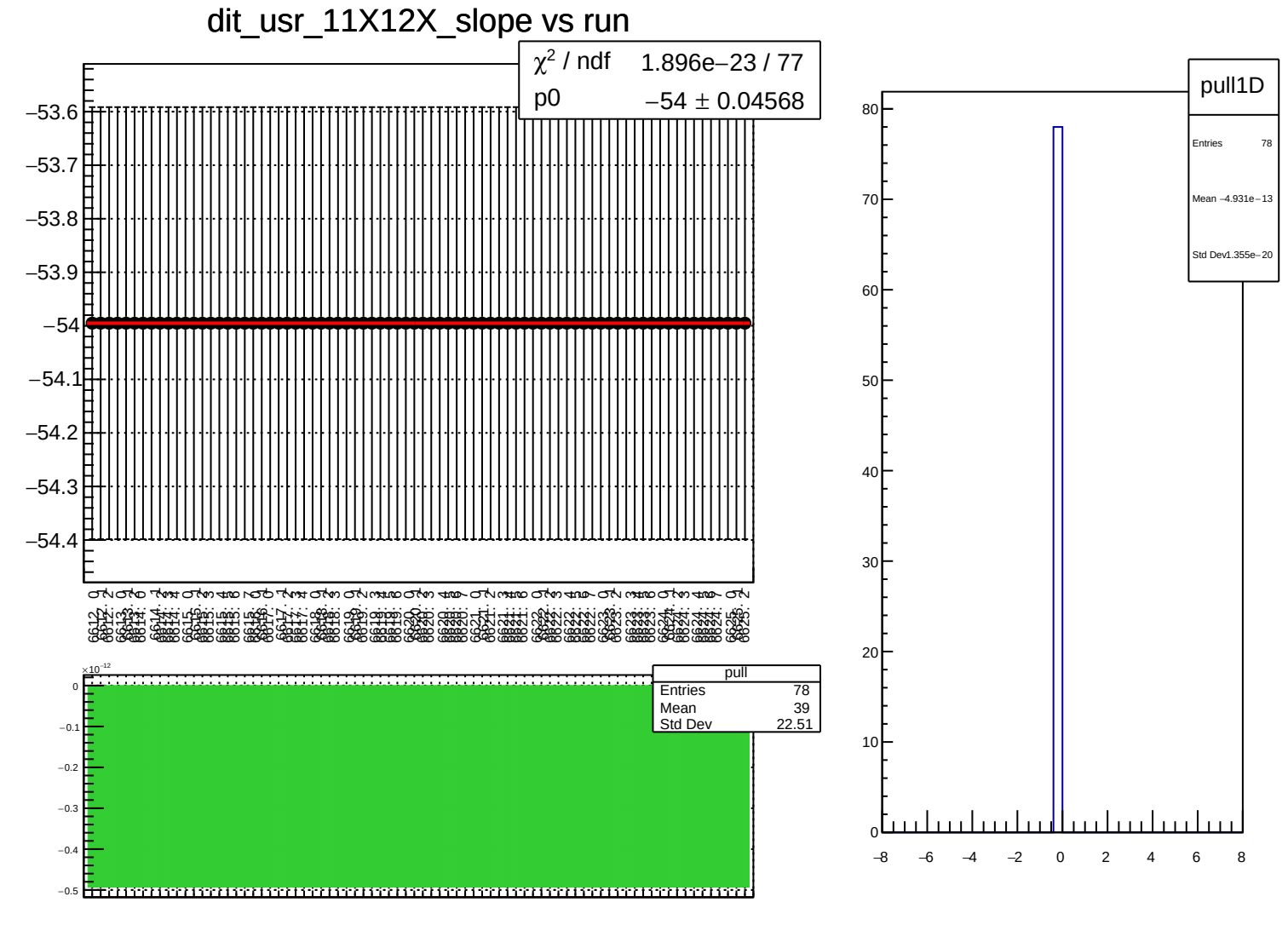

dit_usl_4eY_slope vs run
χ² / ndf 0 / 77
p0 8.102 ± 0.08025
pull
Entries 78
Mean 0
Std Dev 0
pull1D
Entries 78
Mean 0
Std Dev 0

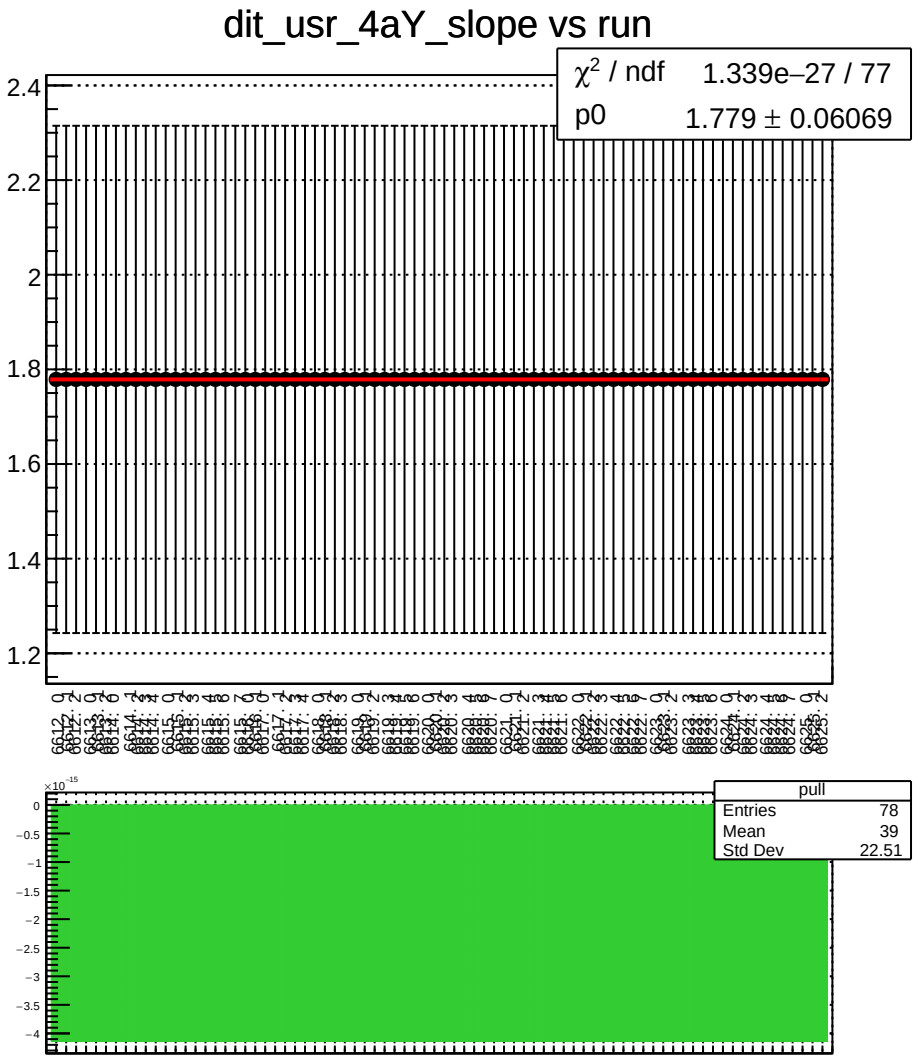

dit_usr_4aX_slope vs run
χ² / ndf 8.431e−25 / 77
p0 −180.2 ± 0.3095
−177
−178
−179
−180
−181
−182
−183
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0

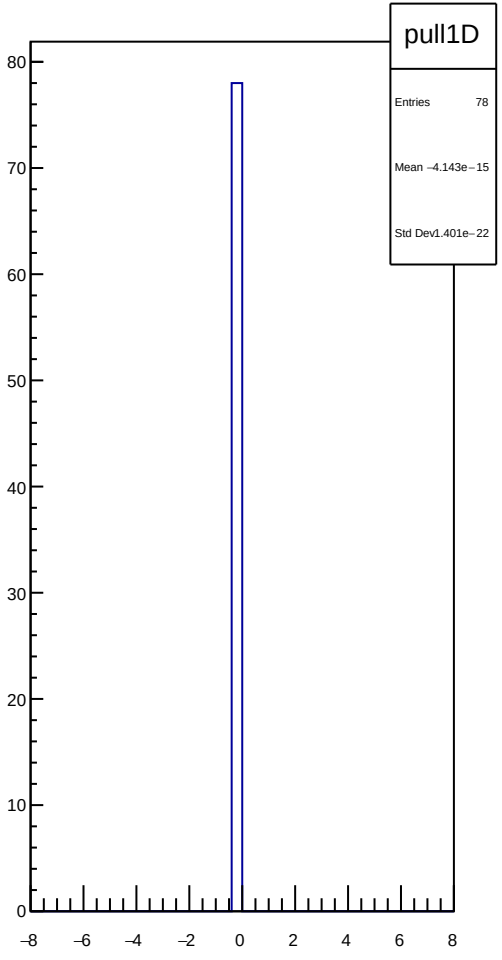

pull1D
Entries 78
Mean 1.04e−13
Std Dev2.934e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

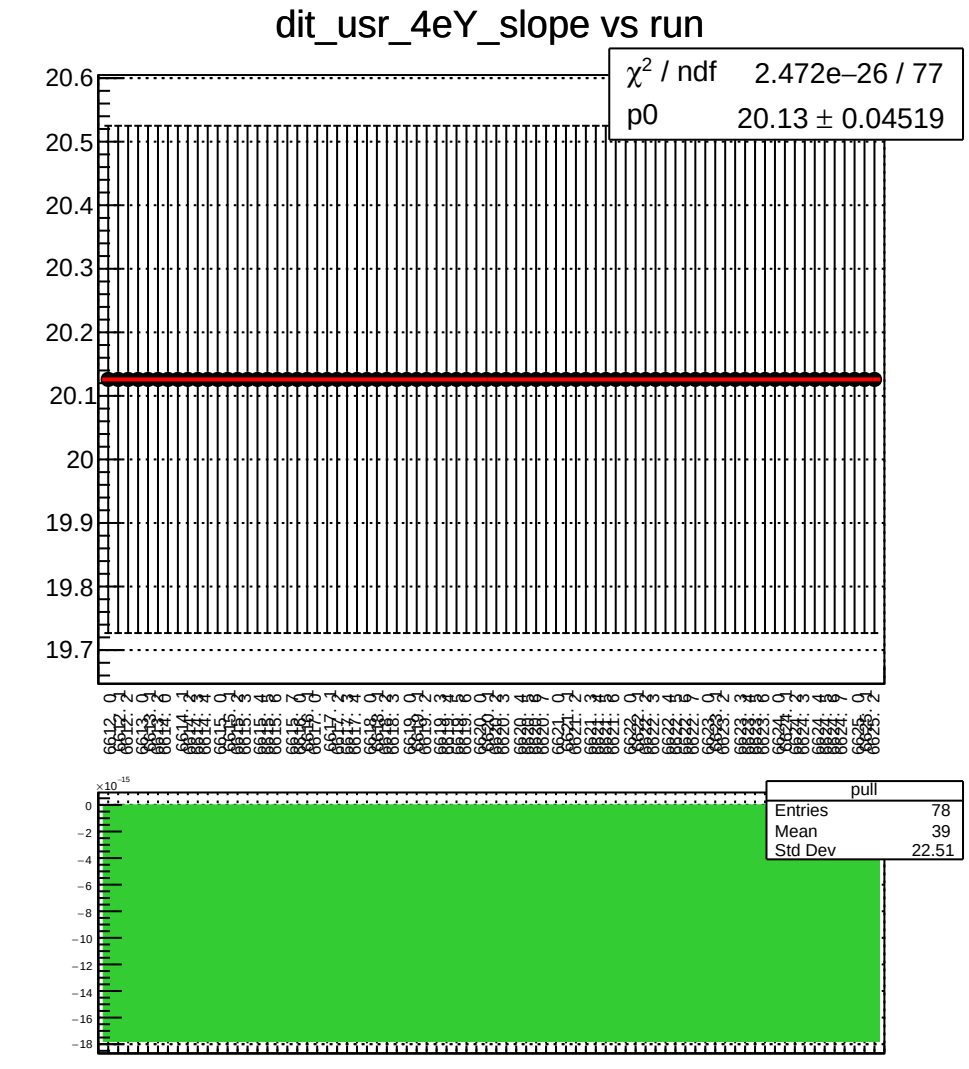

dit_usr_4eX_slope vs run
χ² / ndf 3.368e−26 / 77
p0 257.4 ± 0.3097
260
259
258
257
256
255
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
20
18
16
14
12
10
8
6
4
2
0

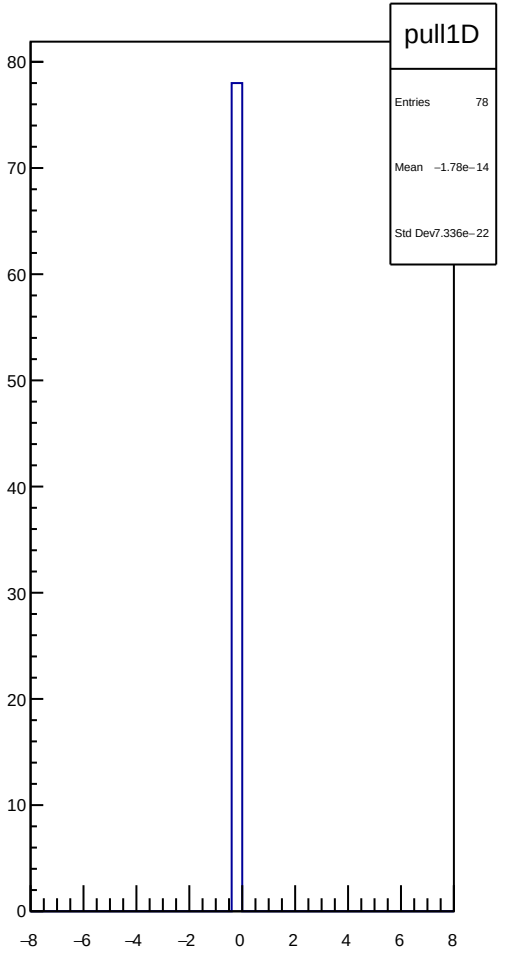

pull1D
Entries 78
Mean 2.078e−14
Std Dev1.121e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

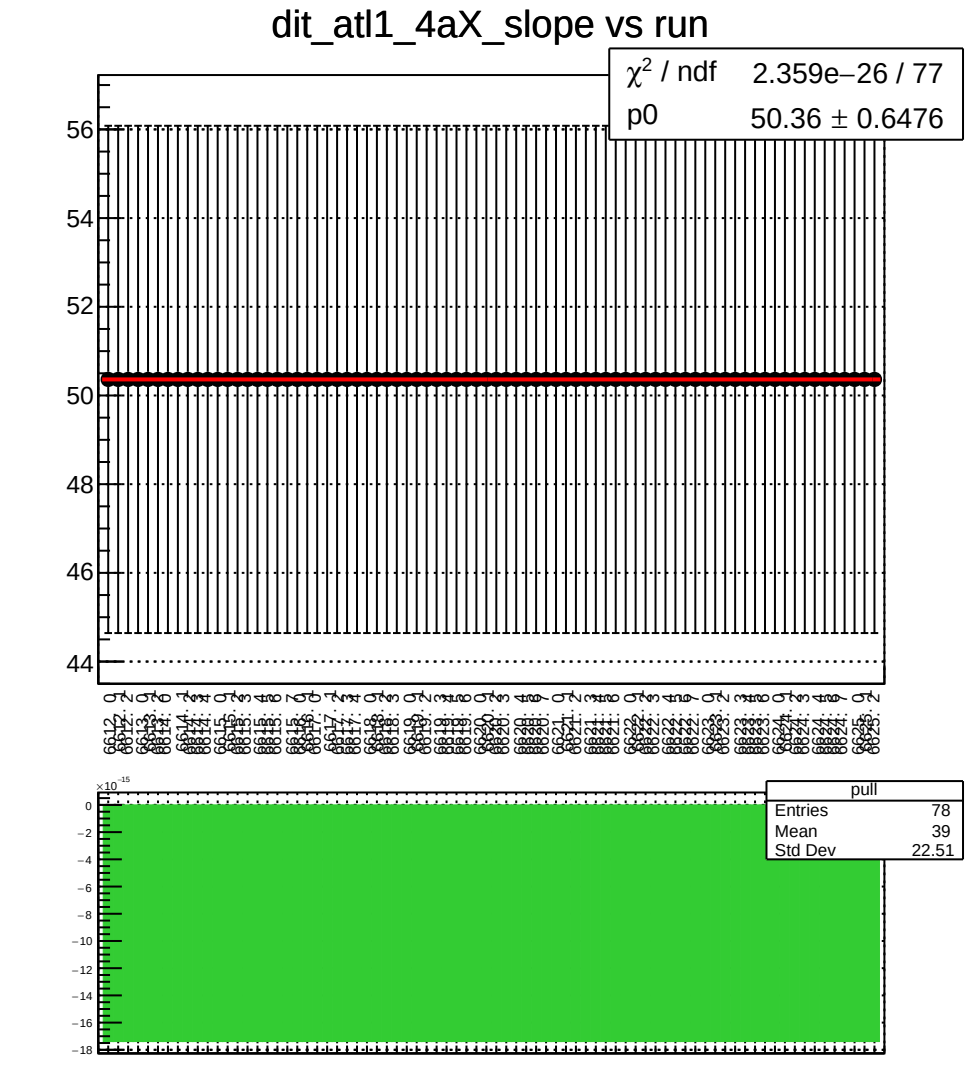

dit_usr_11X12X_slope vs run
χ² / ndf 1.896e−23 / 77
p0 −54 ± 0.04568
−53.6
−53.7
−53.8
−53.9
−54
−54.1
−54.2
−54.3
−54.4
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
pull1D
Entries 78
Mean −4.931e−13
Std Dev1.355e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

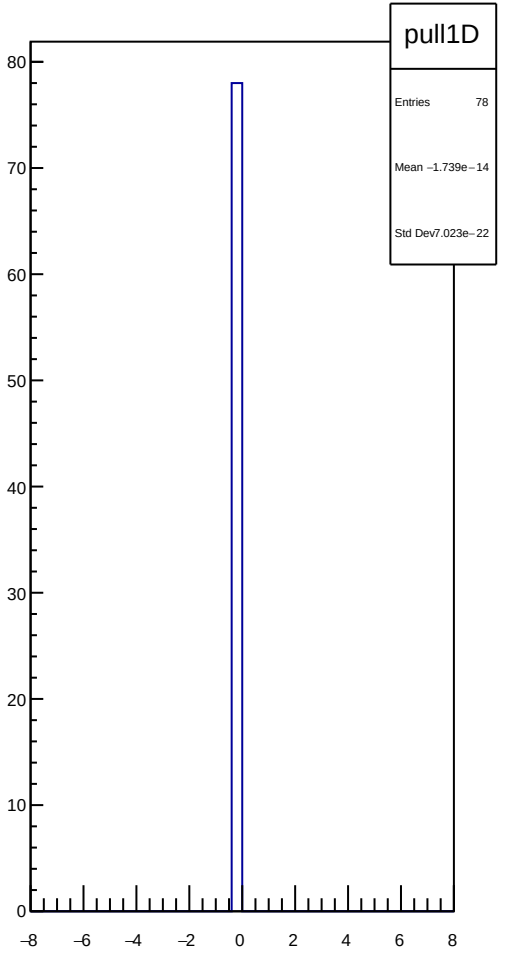

dit_usr_4aY_slope vs run
χ² / ndf 1.339e−27 / 77
p0 1.779 ± 0.06069
pull
Entries 78
Mean 39
Std Dev 22.51

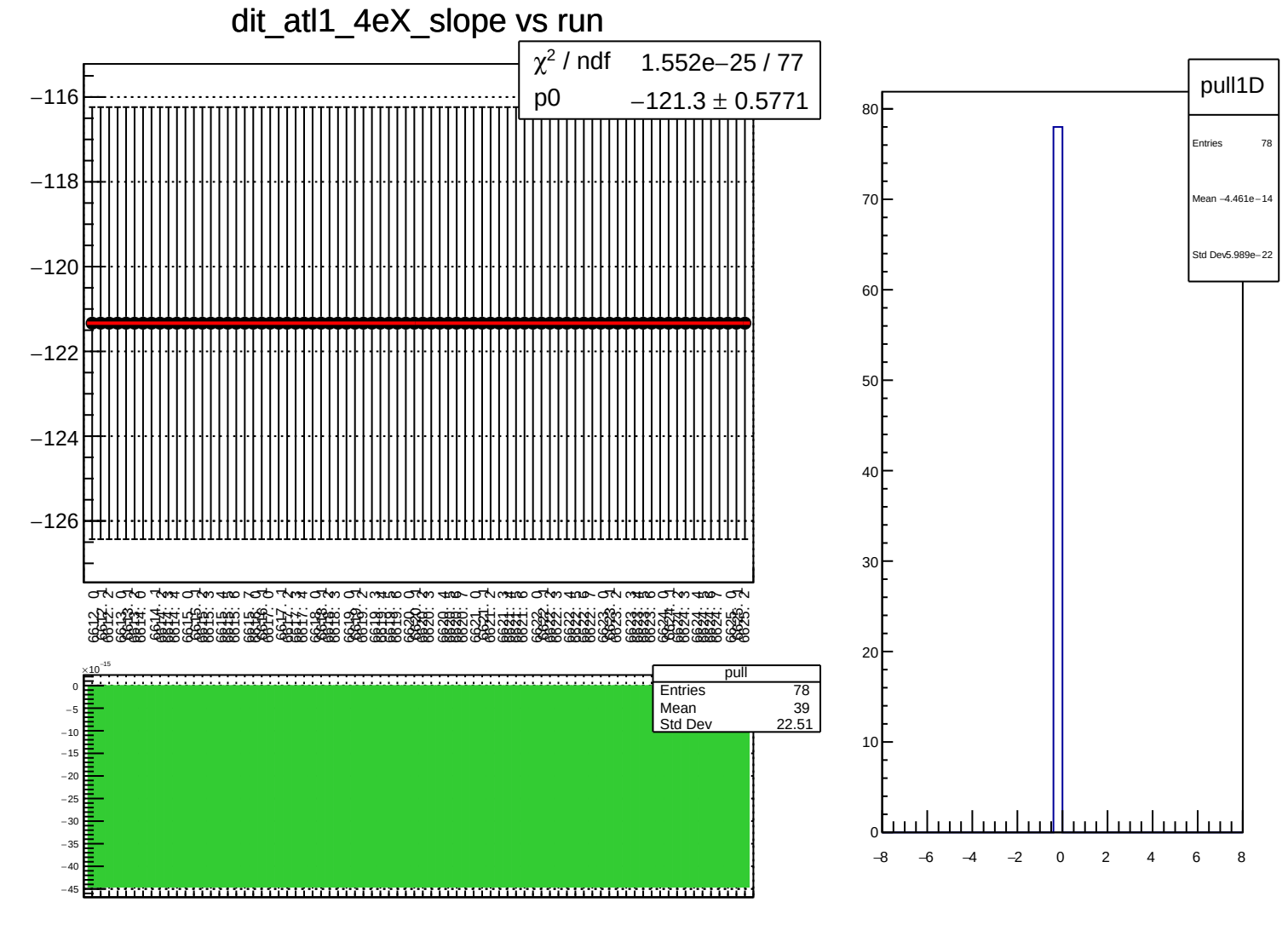

pull1D
Entries 78
Mean −4.143e−15
Std Dev1.401e−22

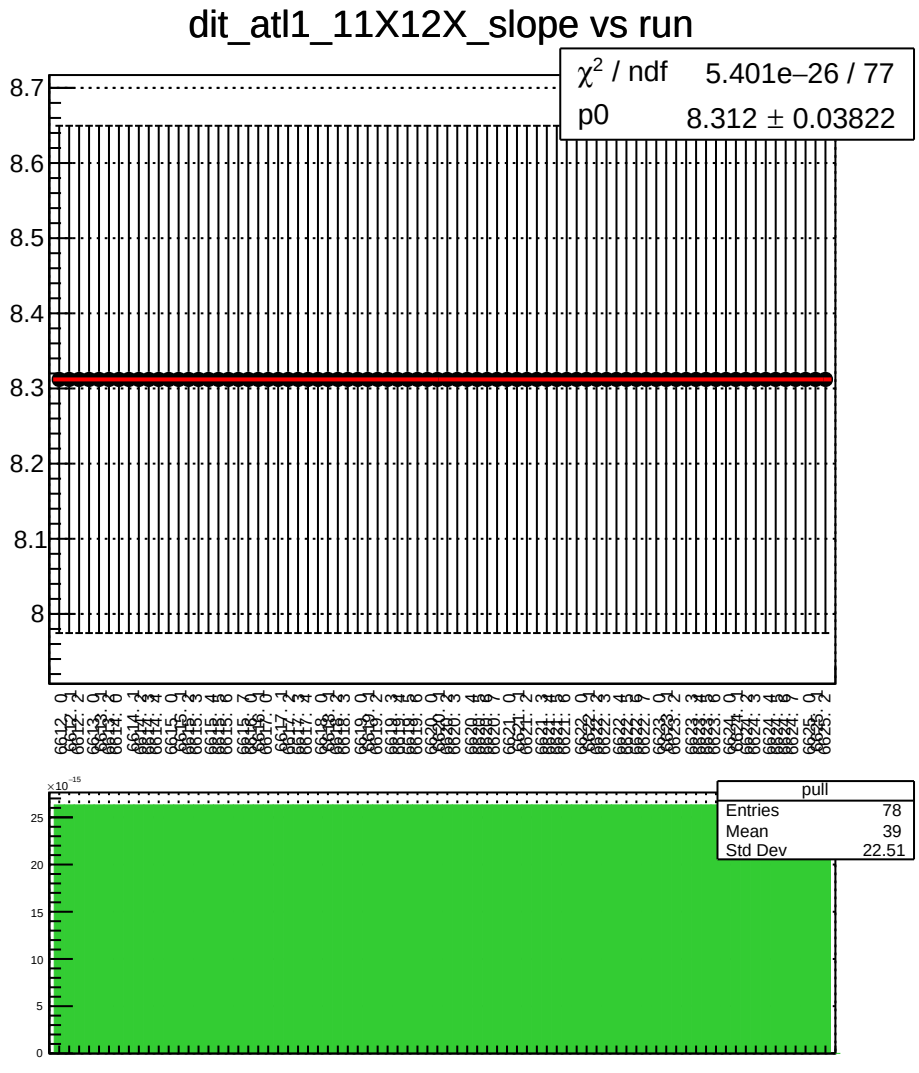

dit_usr_4eY_slope vs run
χ² / ndf 2.472e−26 / 77
p0 20.13 ± 0.04519
20.6
20.5
20.4
20.3
20.2
20.1
20
19.9
19.8
19.7
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
−18

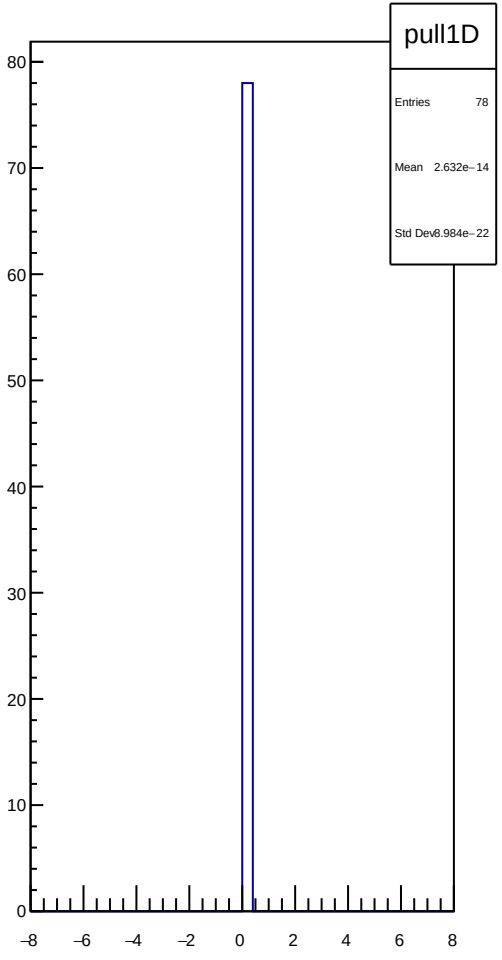

pull1D
Entries 78
Mean −1.78e−14
Std Dev7.336e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

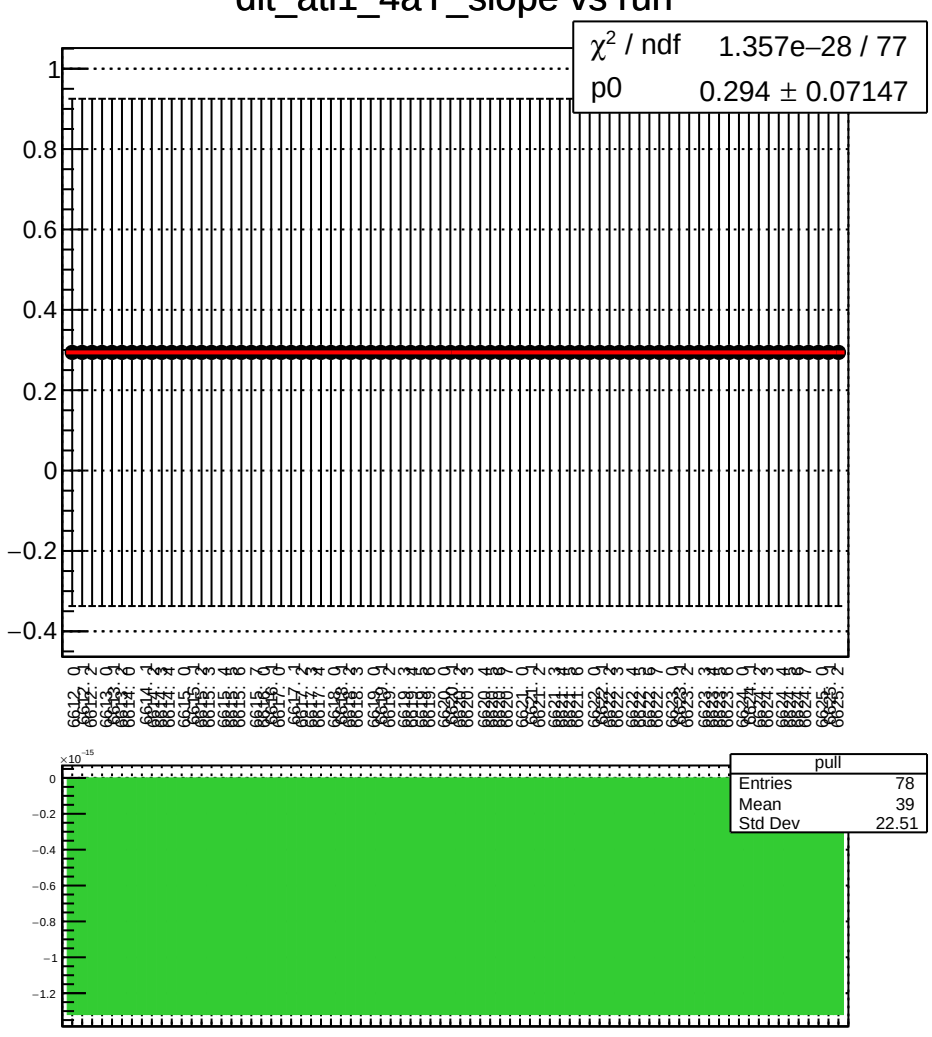

dit_atl1_4aX_slope vs run
χ² / ndf 2.359e−26 / 77
p0 50.36 ± 0.6476
pull
Entries 78
Mean 39
Std Dev 22.51

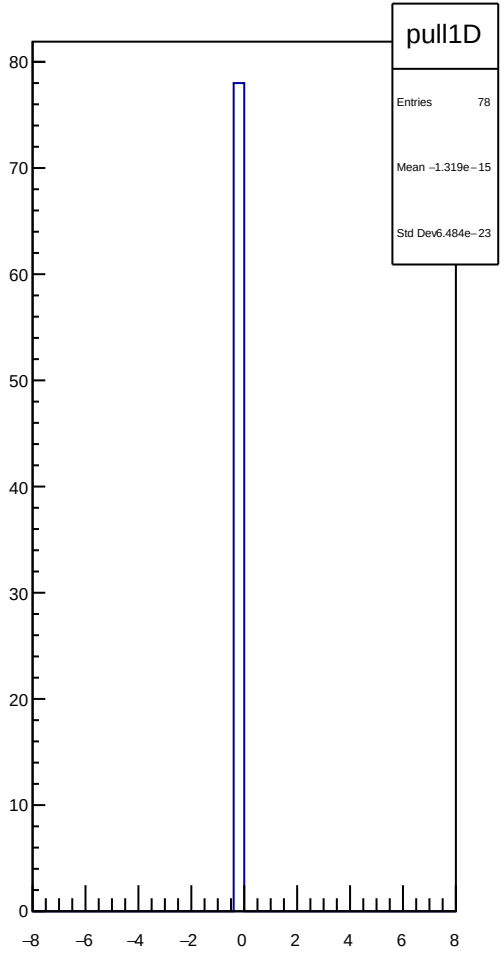

pull1D
Entries 78
Mean −1.739e−14
Std Dev7.023e−22

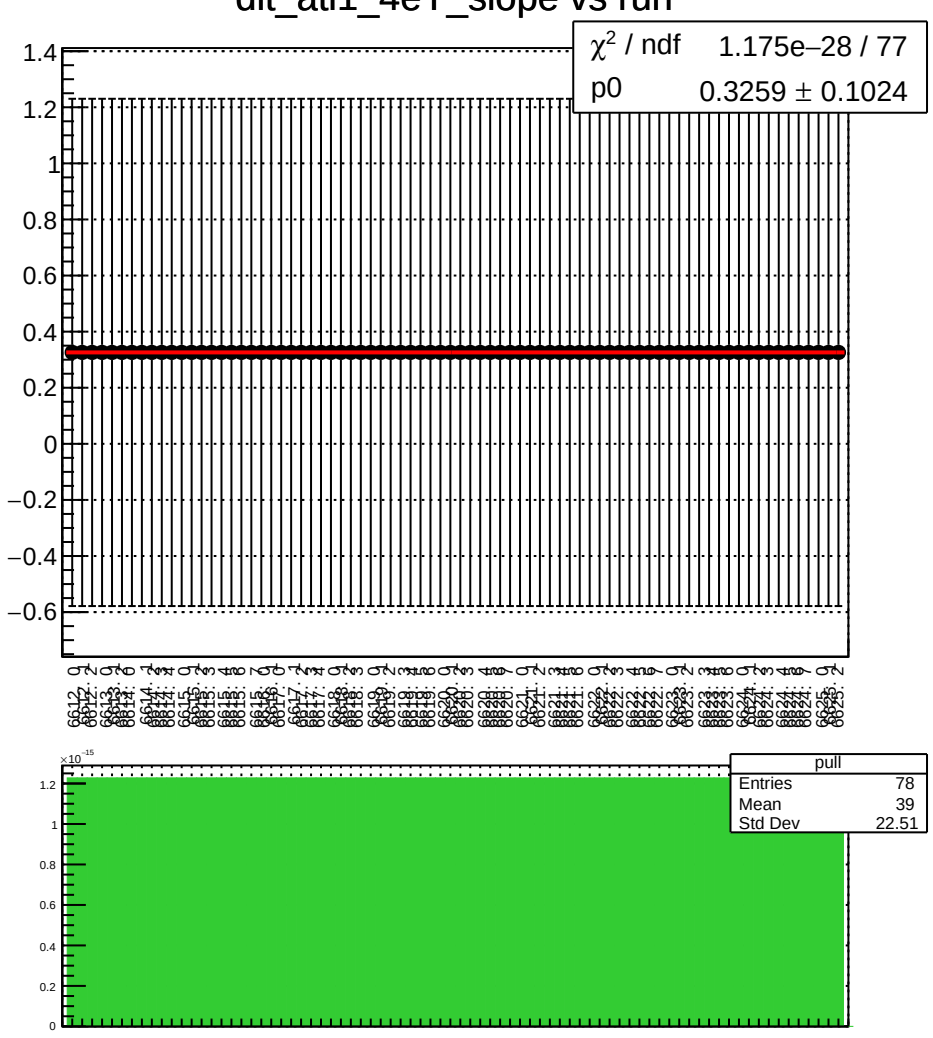

dit_atl1_4eX_slope vs run
χ² / ndf 1.552e−25 / 77
p0 −121.3 ± 0.5771
−116
−118
−120
−122
−124
−126
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40
−45
pull1D
Entries 78
Mean −4.461e−14
Std Dev 5.989e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

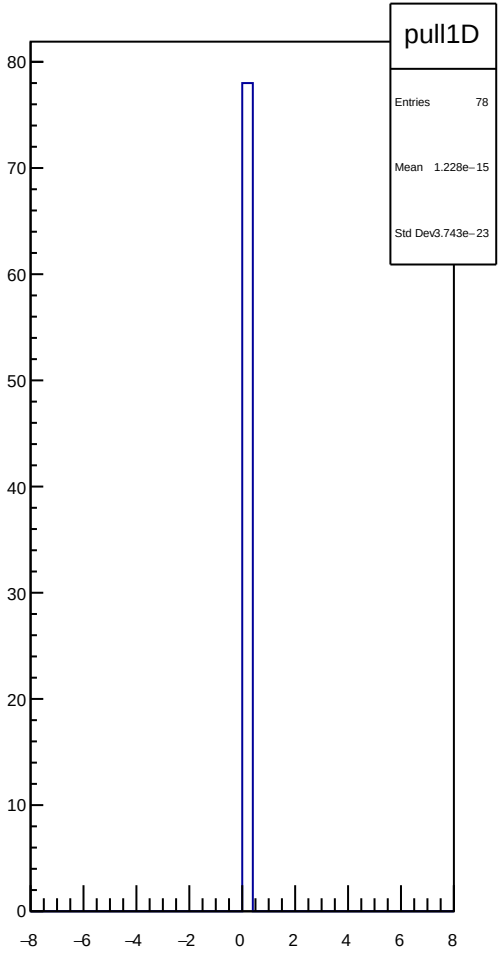

dit_atl1_11X12X_slope vs run
χ^2 / ndf 5.401e−26 / 77
p0 8.312 ± 0.03822
pull
Entries 78
Mean 39
Std Dev 22.51

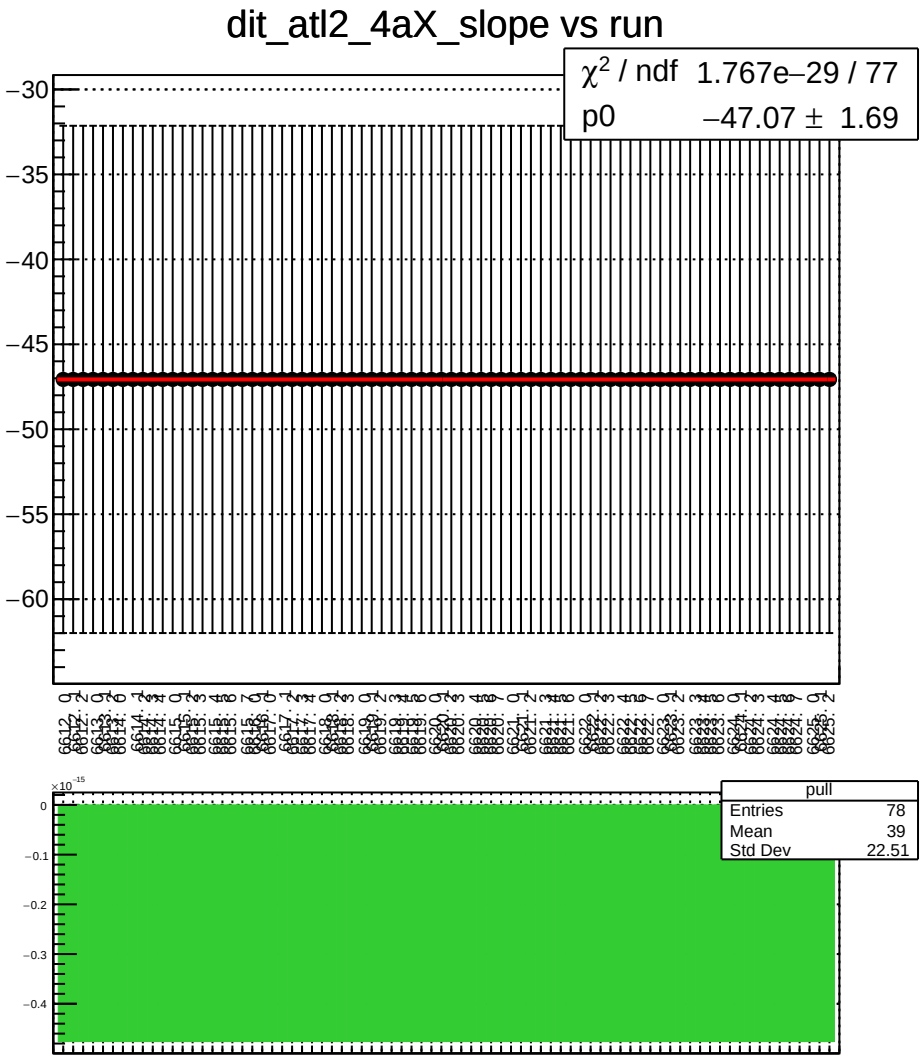

pull1D
Entries 78
Mean 2.632e−14
Std Dev 8.984e−22

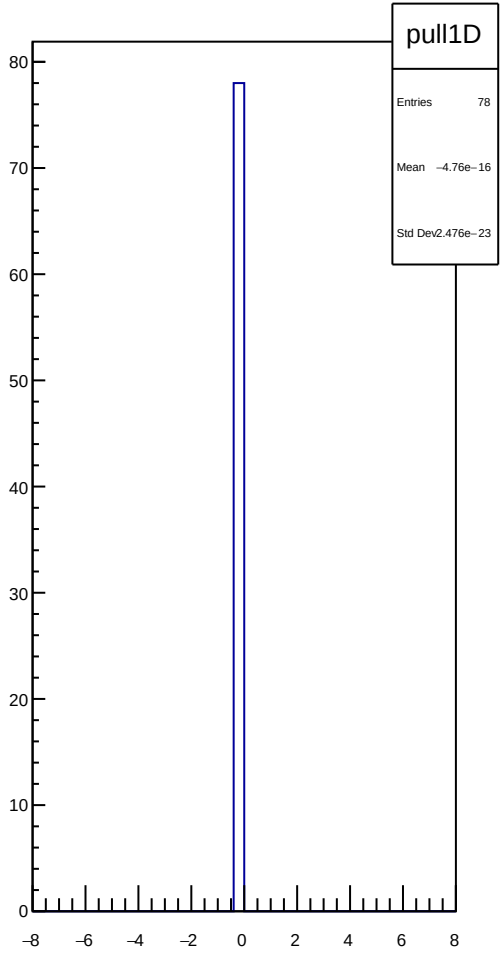

dit_atl1_4aY_slope vs run
χ² / ndf 1.357e−28 / 77
p0 0.294 ± 0.07147
pull
Entries 78
Mean 39
Std Dev 22.51

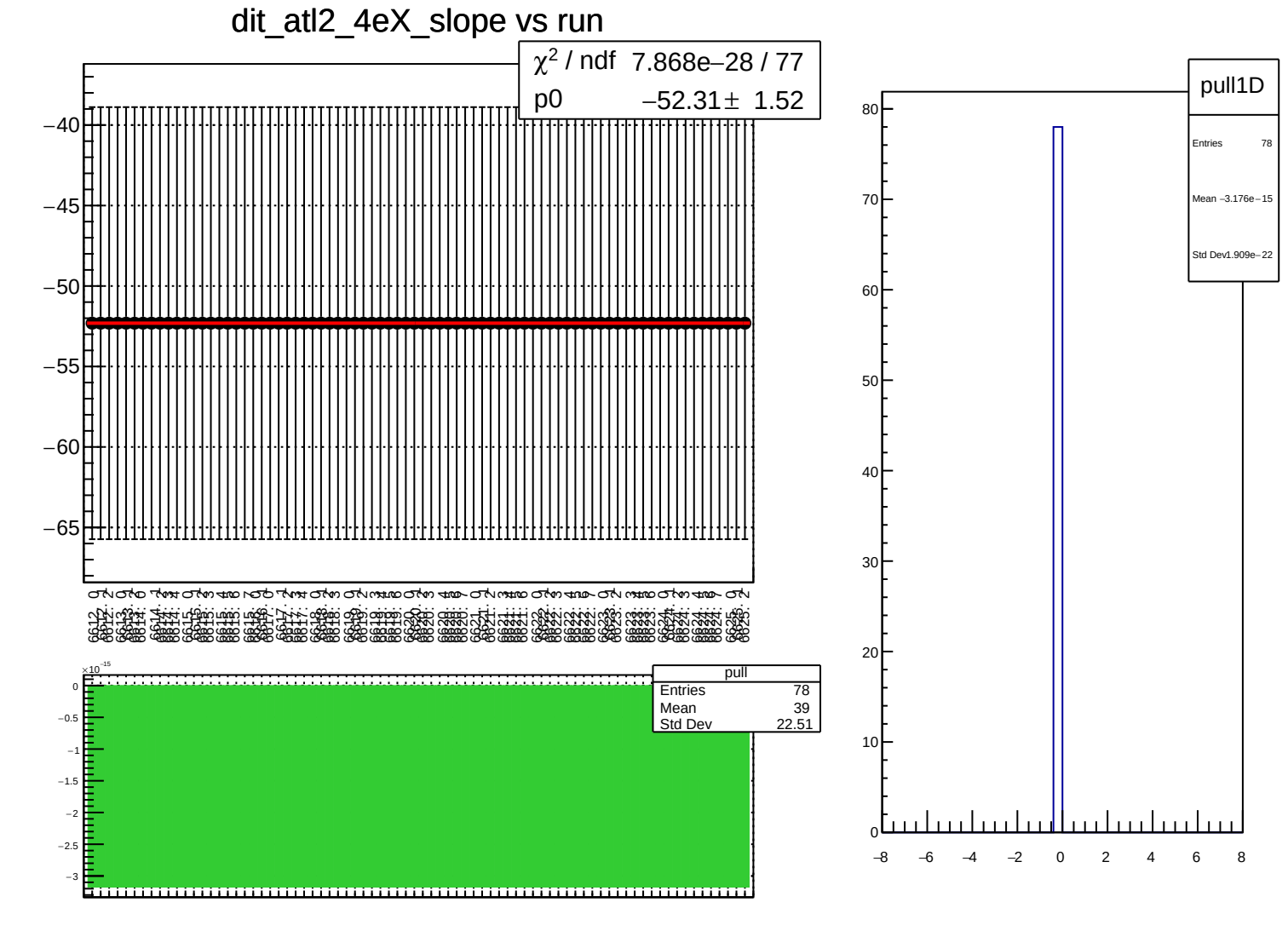

pull1D
Entries 78
Mean −1.319e−15
Std Dev 6.484e−23

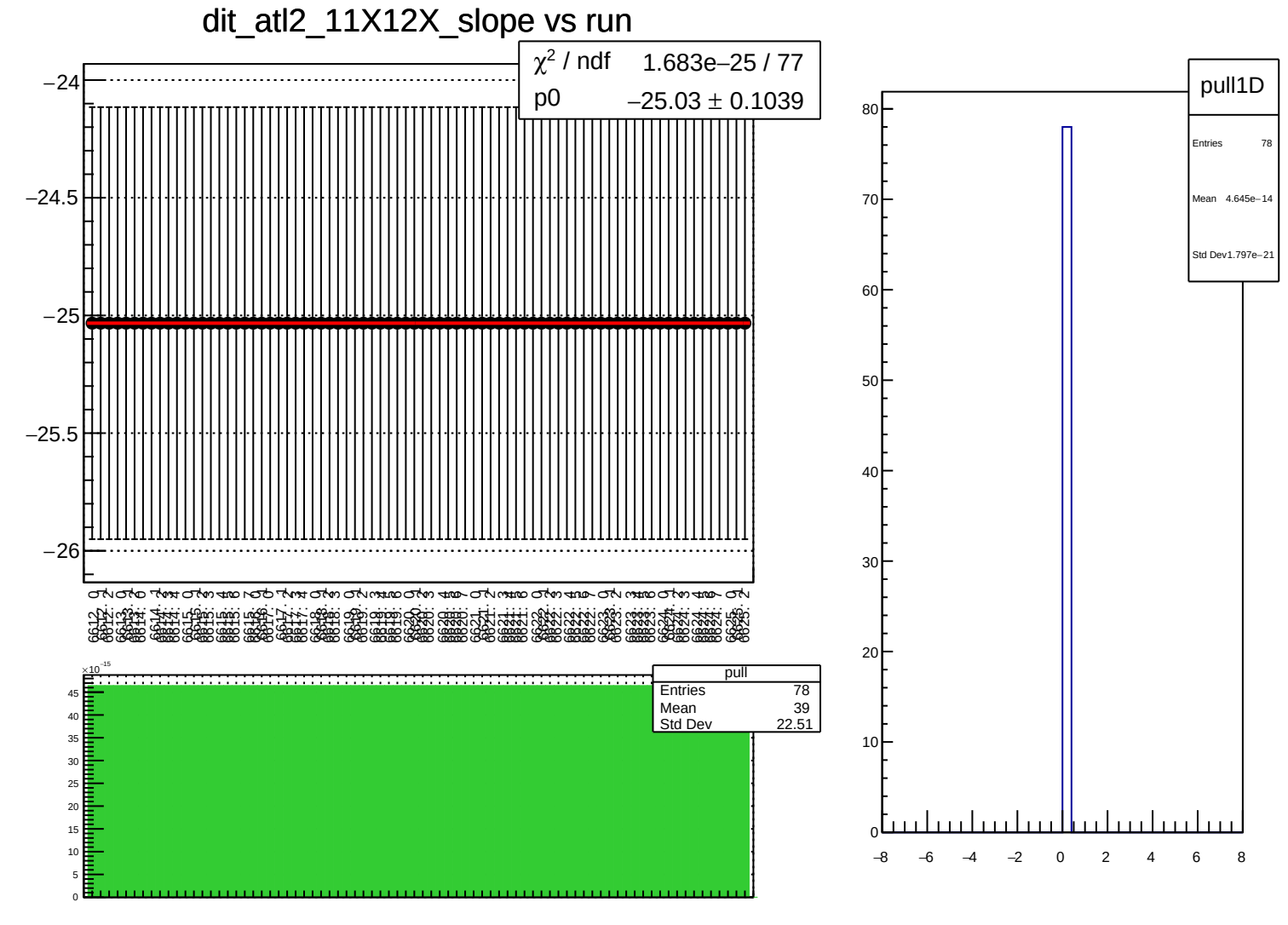

dit_atl1_4eY_slope vs run
χ² / ndf 1.175e−28 / 77
p0 0.3259 ± 0.1024
pull
Entries 78
Mean 39
Std Dev 22.51

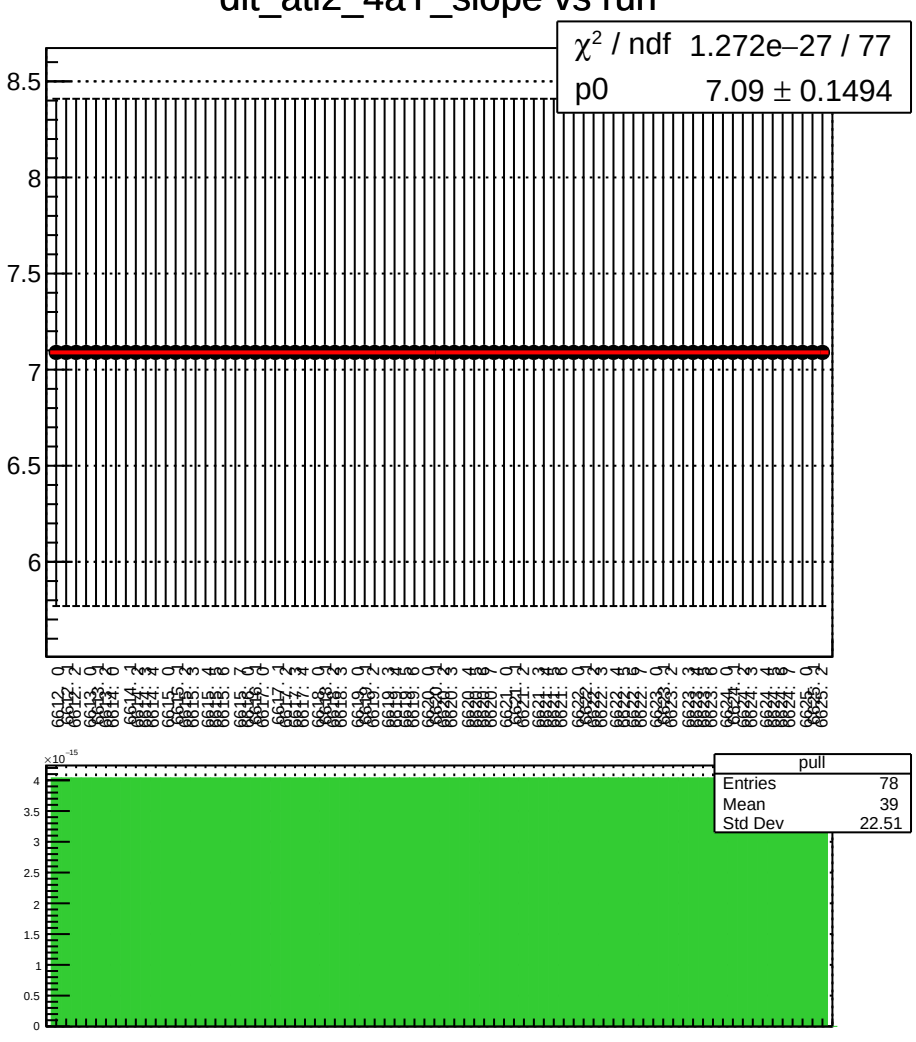

pull1D
Entries 78
Mean 1.228e−15
Std Dev 3.743e−23

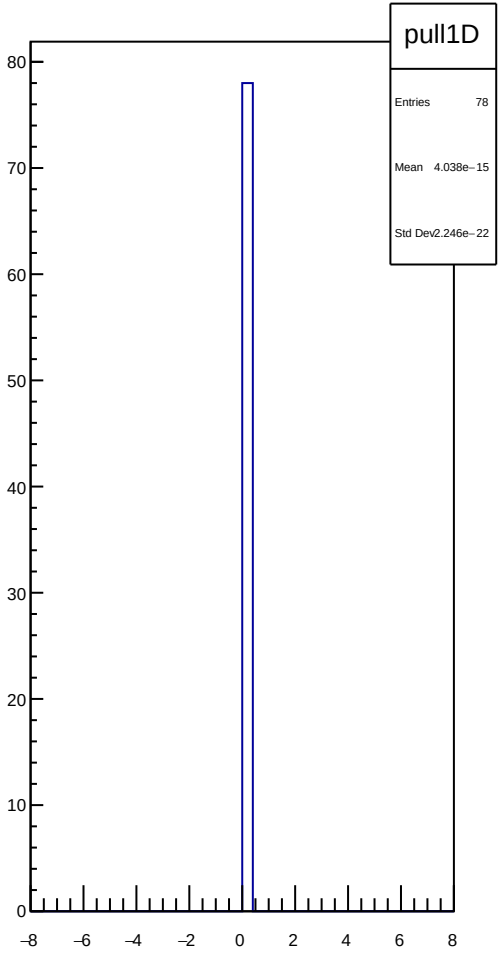

dit_atl2_4aX_slope vs run
χ² / ndf 1.767e−29 / 77
p0 −47.07 ± 1.69
−30
−35
−40
−45
−50
−55
−60
×10⁻¹⁵
0
−0.1
−0.2
−0.3
−0.4
pull
Entries 78
Mean 39
Std Dev 22.51

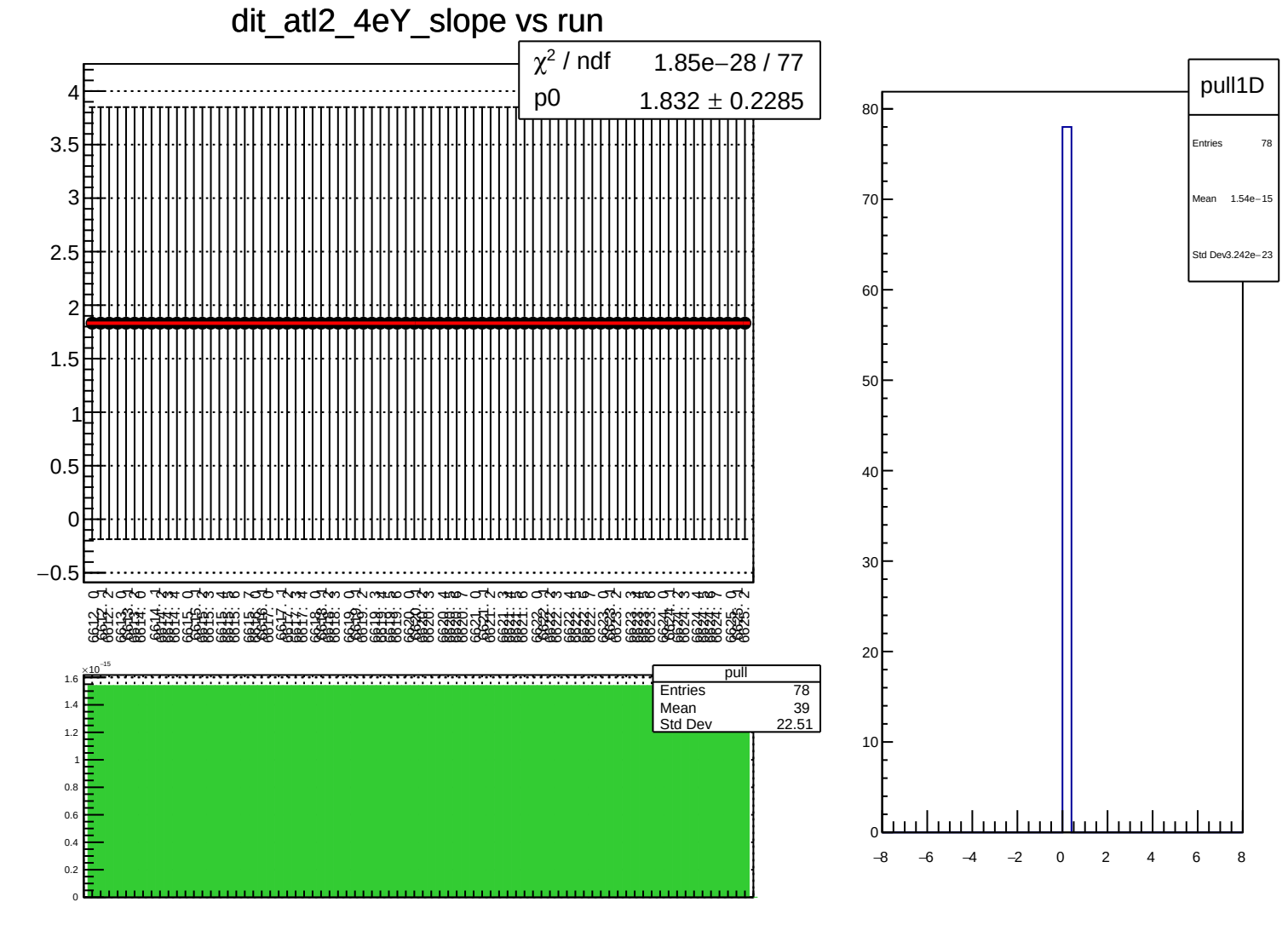

pull1D
Entries 78
Mean −4.76e−16
Std Dev2.476e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

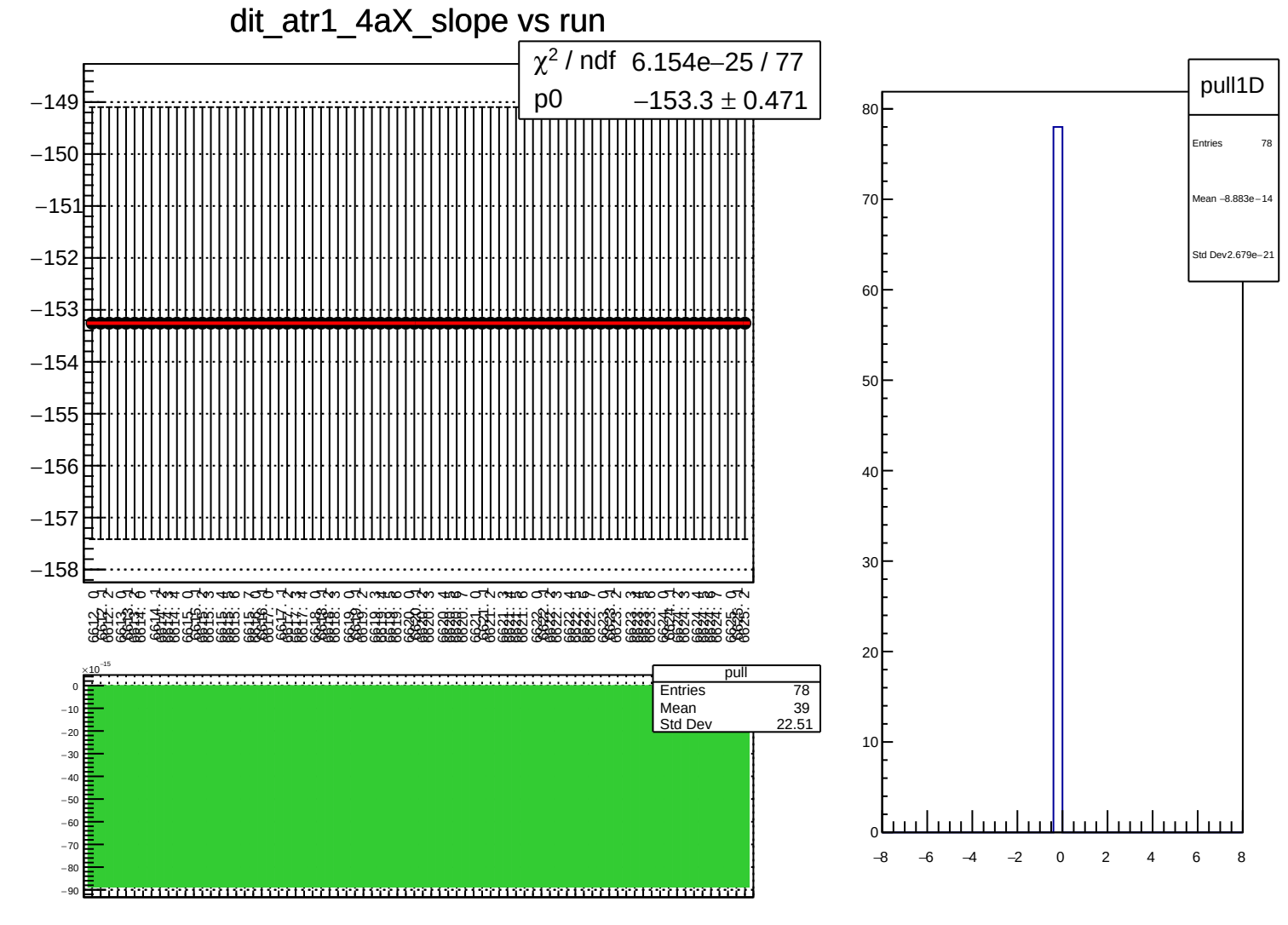

dit_atl2_4eX_slope vs run
χ² / ndf 7.868e−28 / 77
p0 −52.31 ± 1.52
−40
−45
−50
−55
−60
−65
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
pull1D
Entries 78
Mean −3.176e−15
Std Dev 1.909e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

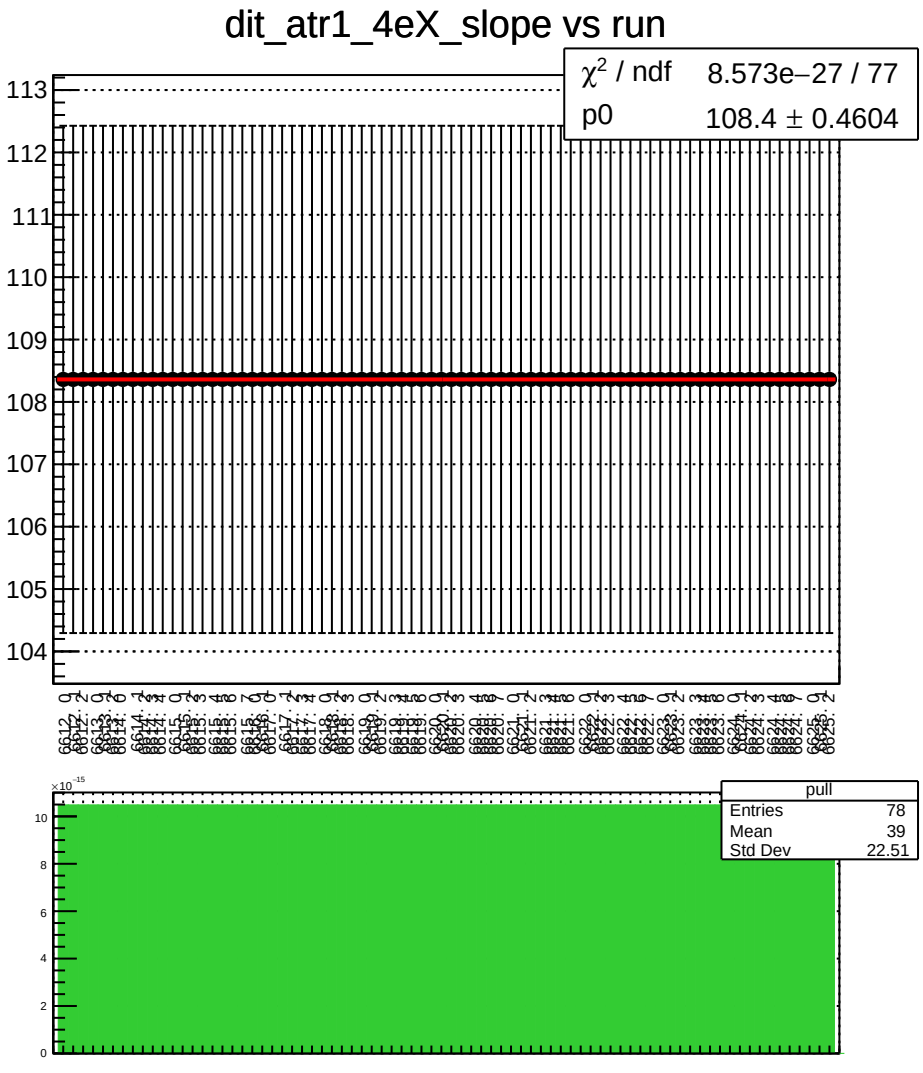

dit_atl2_11X12X_slope vs run
χ² / ndf 1.683e−25 / 77
p0 −25.03 ± 0.1039
−24
−24.5
−25
−25.5
−26
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
pull1D
Entries 78
Mean 4.645e−14
Std Dev 1.797e−21

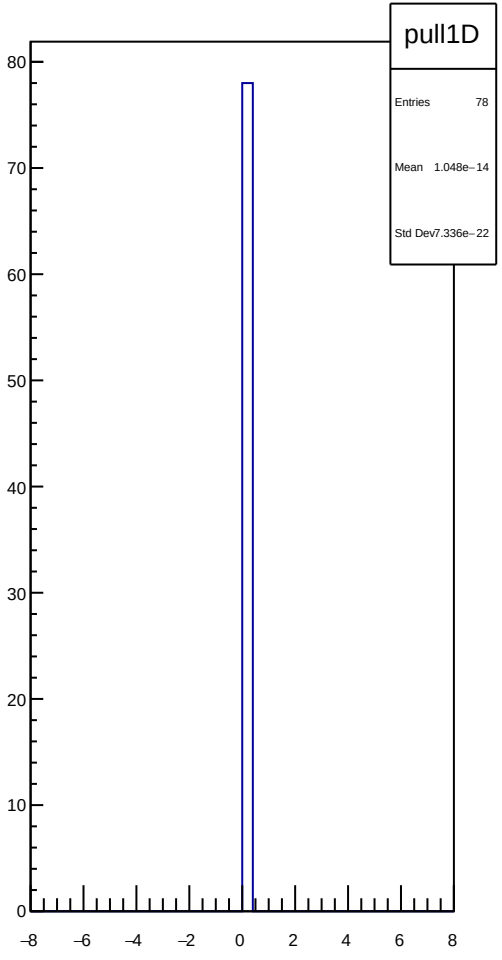

dit_atl2_4aY_slope vs run
χ^2 / ndf 1.272e−27 / 77
p0 7.09 ± 0.1494
pull
Entries 78
Mean 39
Std Dev 22.51

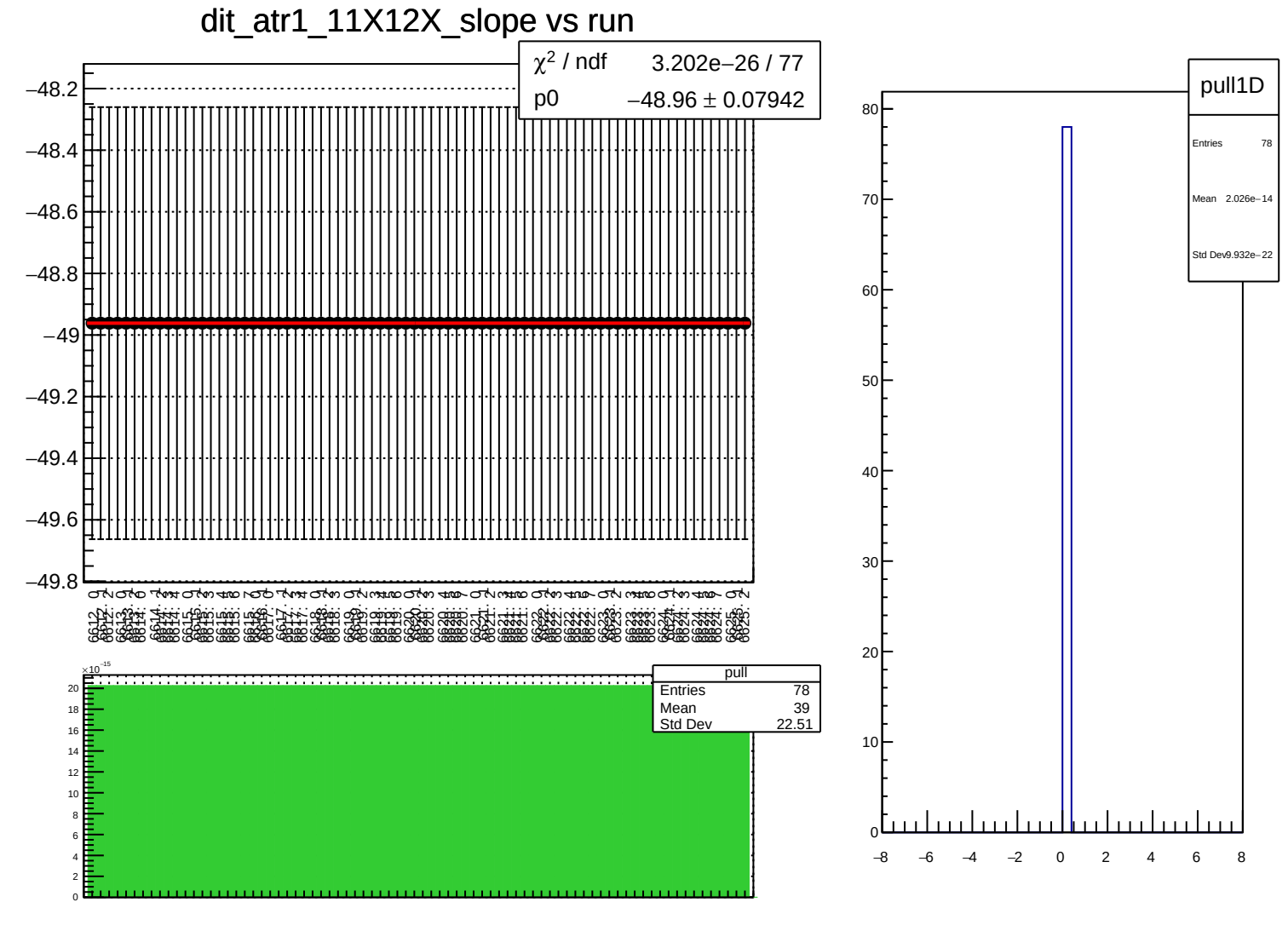

pull1D
Entries 78
Mean 4.038e−15
Std Dev 2.246e−22

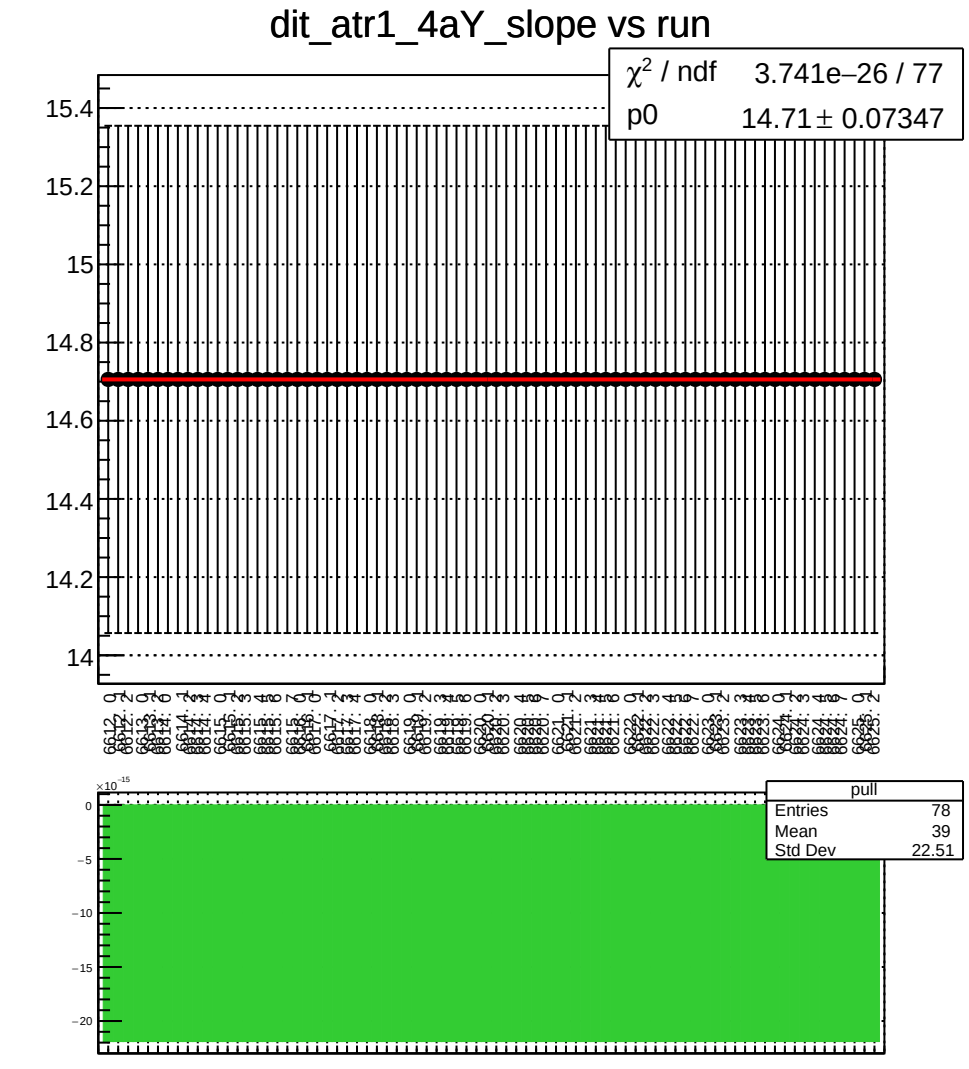

dit_atl2_4eY_slope vs run
χ² / ndf 1.85e−28 / 77
p0 1.832 ± 0.2285
pull
Entries 78
Mean 39
Std Dev 22.51
pull1D
Entries 78
Mean 1.54e−15
Std Dev 3.242e−23

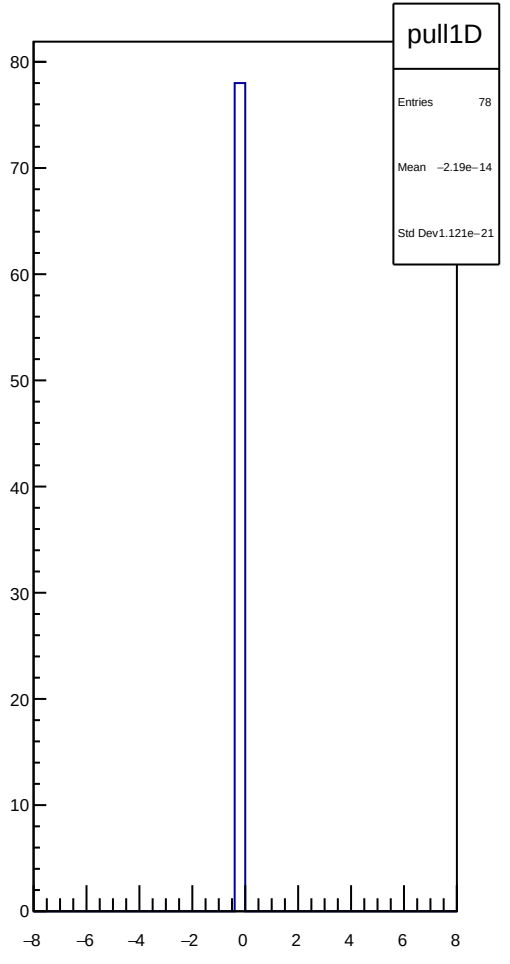

dit_atr1_4aX_slope vs run
χ^2 / ndf 6.154e−25 / 77
p0 −153.3 ± 0.471
pull
Entries 78
Mean 39
Std Dev 22.51
pull1D
Entries 78
Mean −8.883e−14
Std Dev2.679e−21

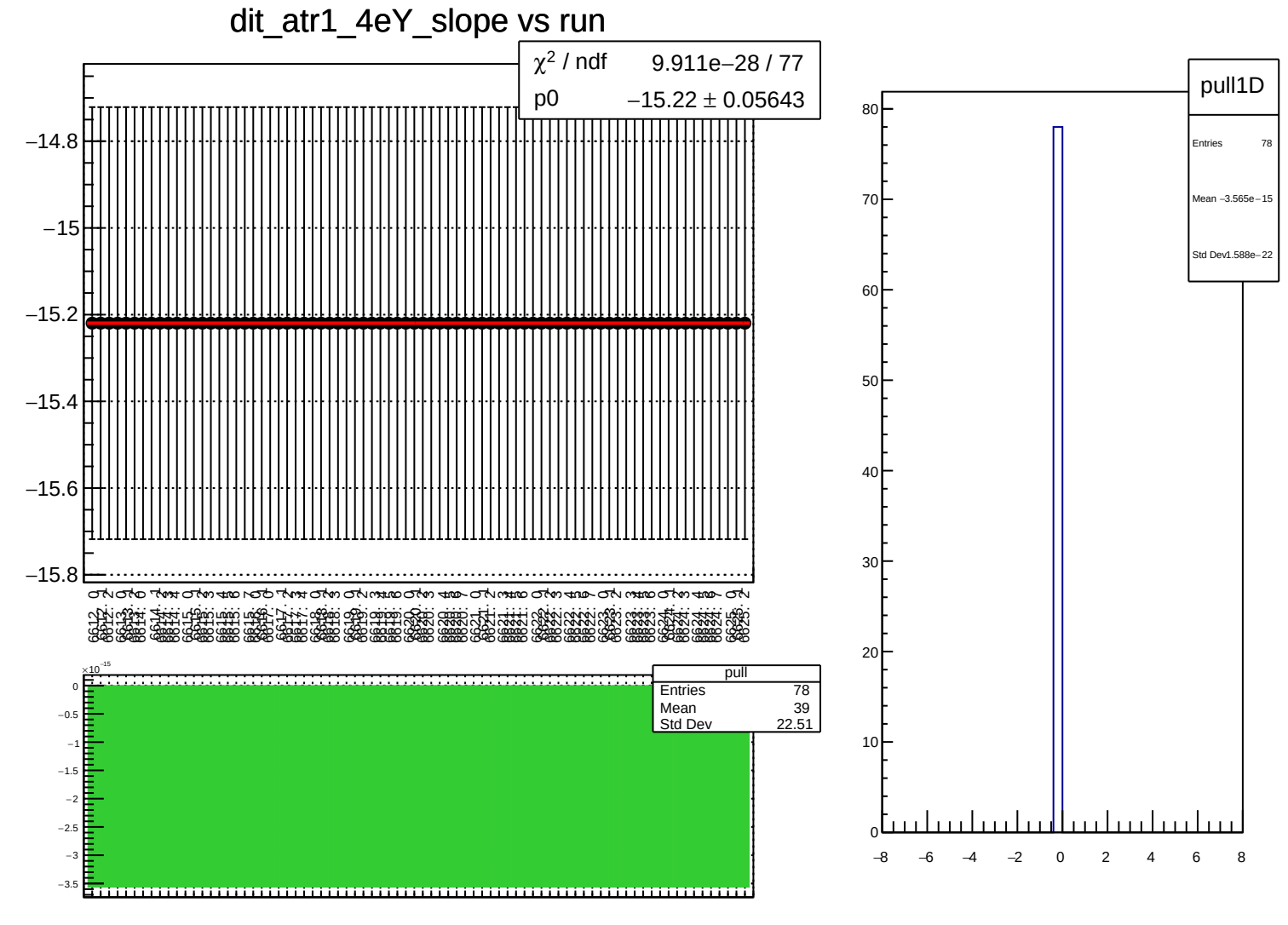

dit_atr1_4eX_slope vs run
χ² / ndf 8.573e−27 / 77
p0 108.4 ± 0.4604
pull
Entries 78
Mean 39
Std Dev 22.51

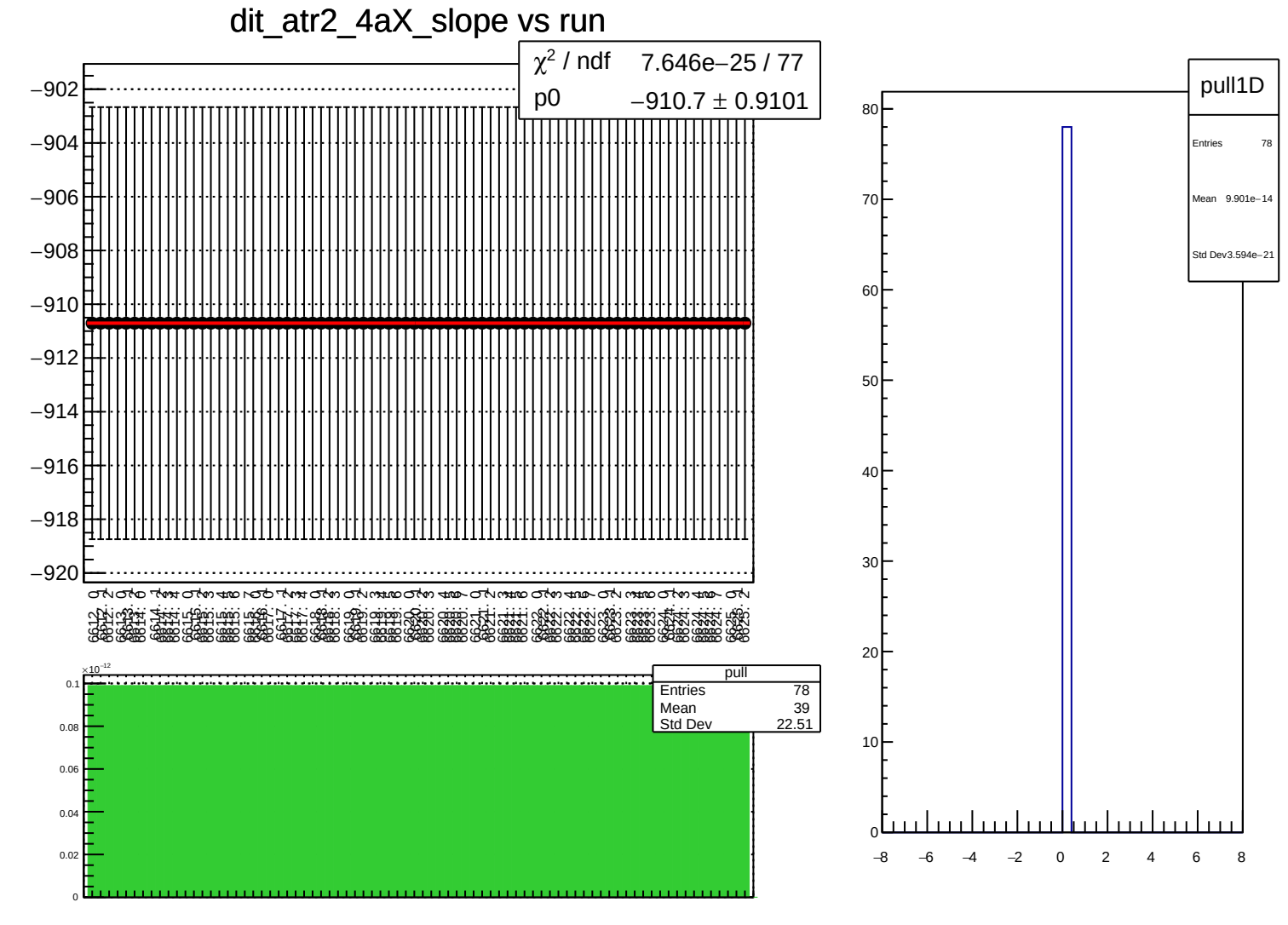

pull1D
Entries 78
Mean 1.048e−14
Std Dev7.336e−22

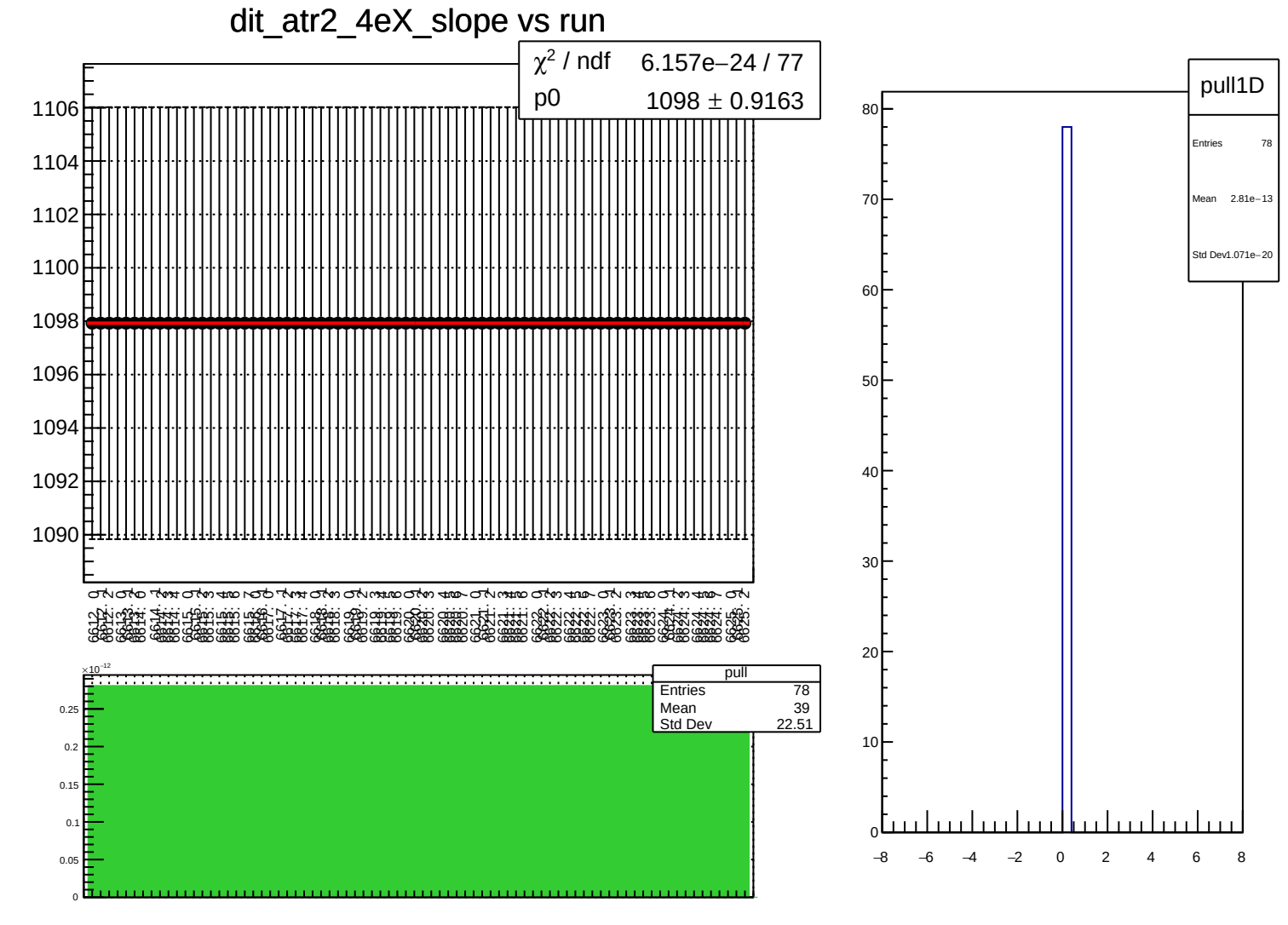

dit_atr1_11X12X_slope vs run
χ^2 / ndf 3.202e−26 / 77
p0 −48.96 ± 0.07942
−48.2
−48.4
−48.6
−48.8
−49
−49.2
−49.4
−49.6
−49.8
pull
Entries 78
Mean 39
Std Dev 22.51
pull1D
Entries 78
Mean 2.026e−14
Std Dev 9.932e−22

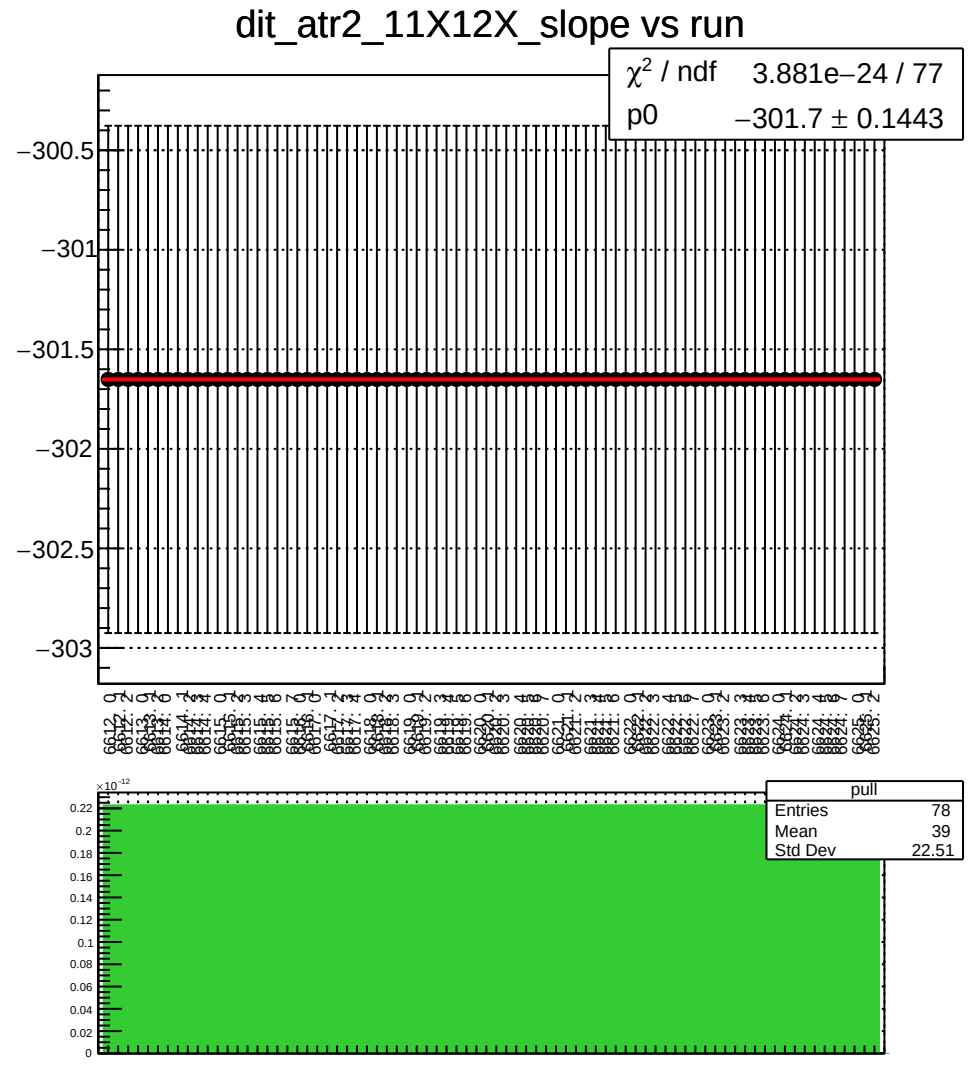

dit_atr1_4aY_slope vs run
χ² / ndf 3.741e−26 / 77
p0 14.71 ± 0.07347
15.4
15.2
15
14.8
14.6
14.4
14.2
14
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
0
−5
−10
−15
−20

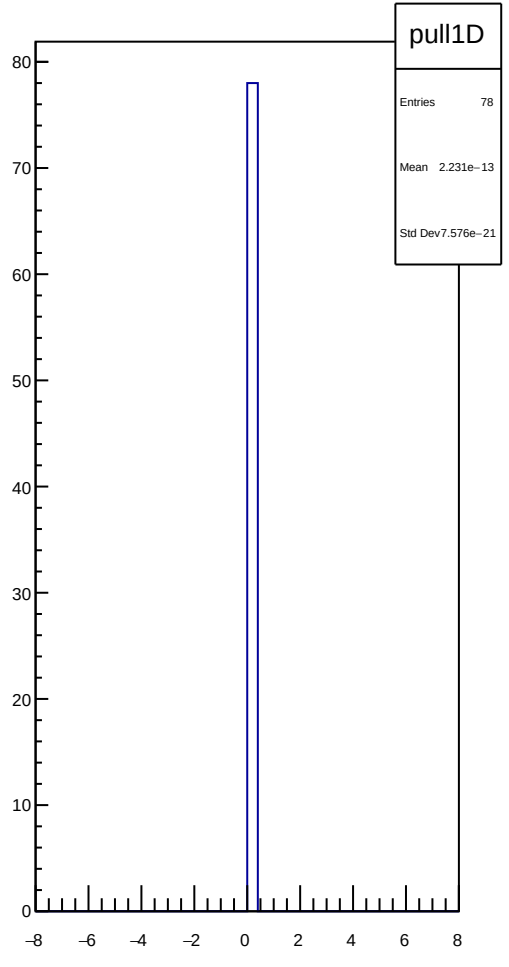

pull1D
Entries 78
Mean −2.19e−14
Std Dev1.121e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

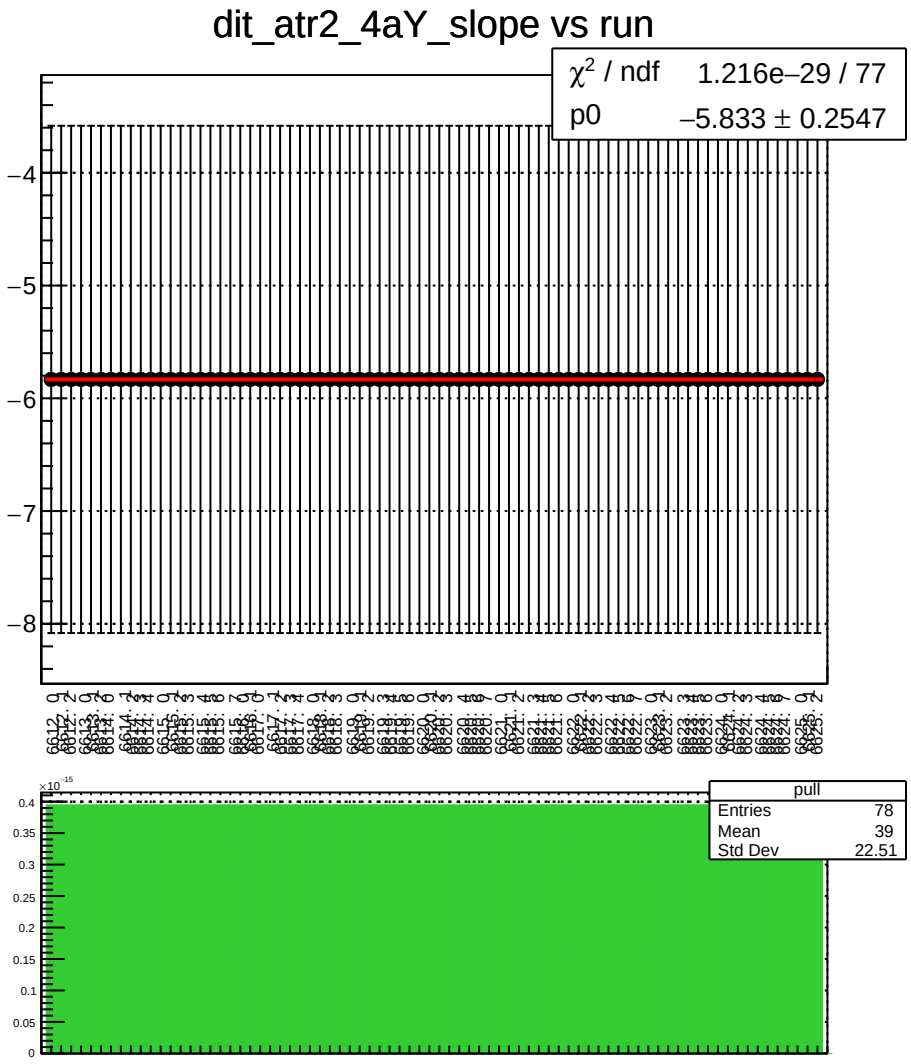

dit_atr1_4eY_slope vs run
χ² / ndf 9.911e−28 / 77
p0 −15.22 ± 0.05643
−14.8
−15
−15.2
−15.4
−15.6
−15.8
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
pull1D
Entries 78
Mean −3.565e−15
Std Dev1.588e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

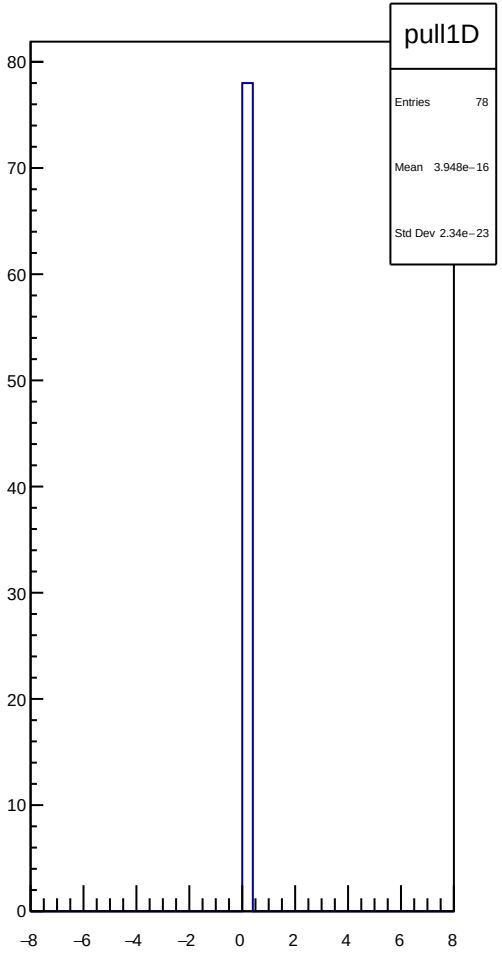

dit_atr2_4aX_slope vs run
χ^2 / ndf 7.646e−25 / 77
p0 −910.7 ± 0.9101
−902
−904
−906
−908
−910
−912
−914
−916
−918
−920
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 78
Mean 9.901e−14
Std Dev3.594e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

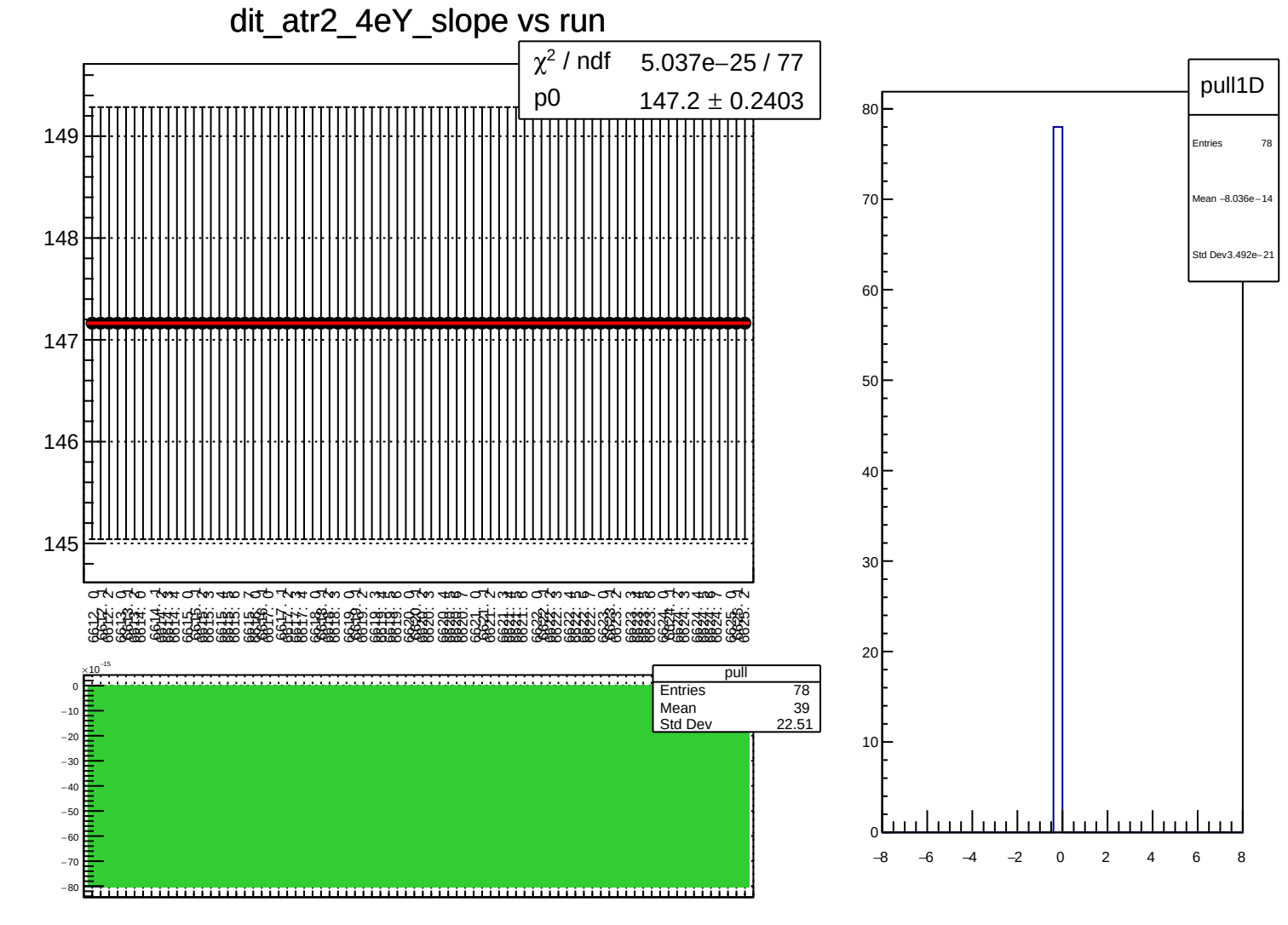

dit_atr2_4eX_slope vs run
χ² / ndf 6.157e−24 / 77
p0 1098 ± 0.9163
1106
1104
1102
1100
1098
1096
1094
1092
1090
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 78
Mean 2.81e−13
Std Dev1.071e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

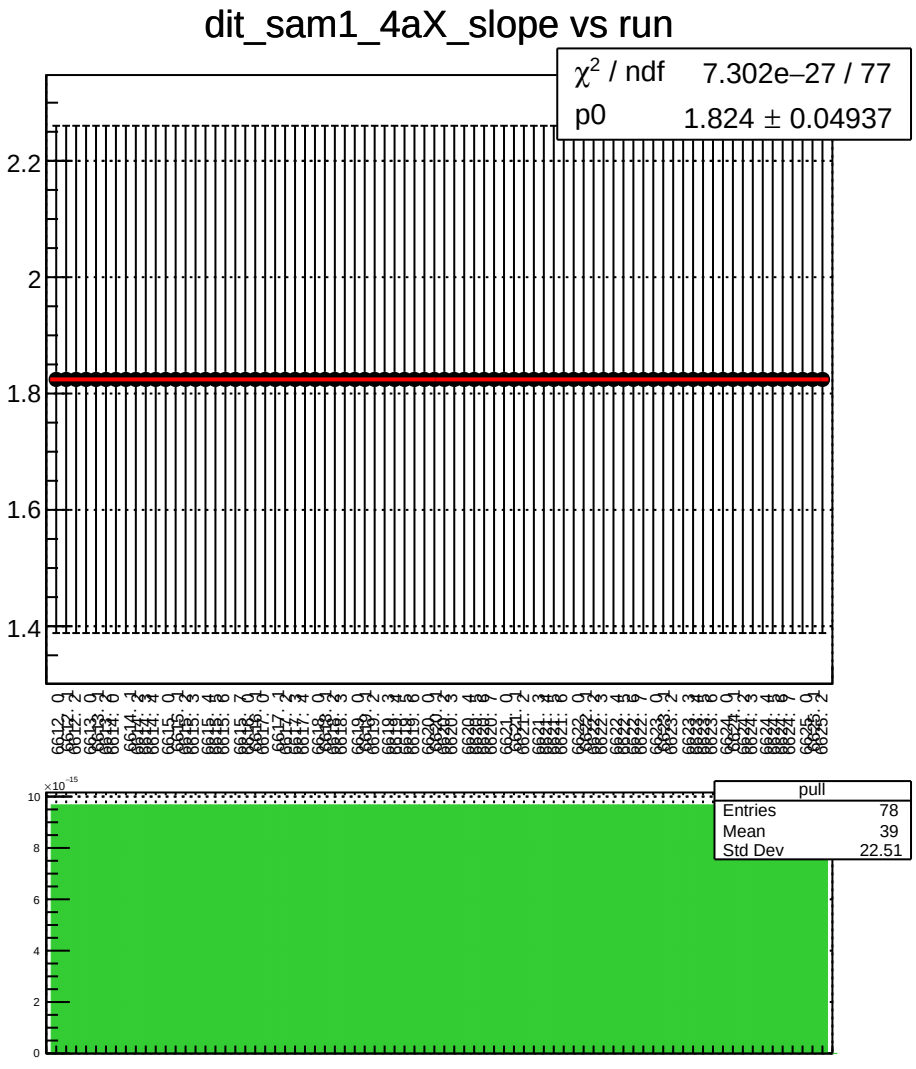

dit_atr2_11X12X_slope vs run
χ² / ndf 3.881e−24 / 77
p0 −301.7 ± 0.1443
−300.5
−301
−301.5
−302
−302.5
−303
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

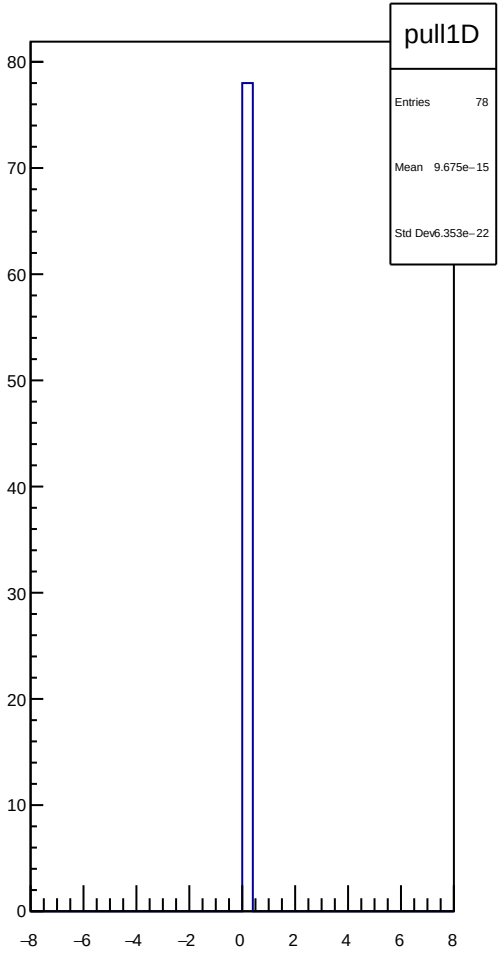

pull1D
Entries 78
Mean 2.231e−13
Std Dev7.576e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

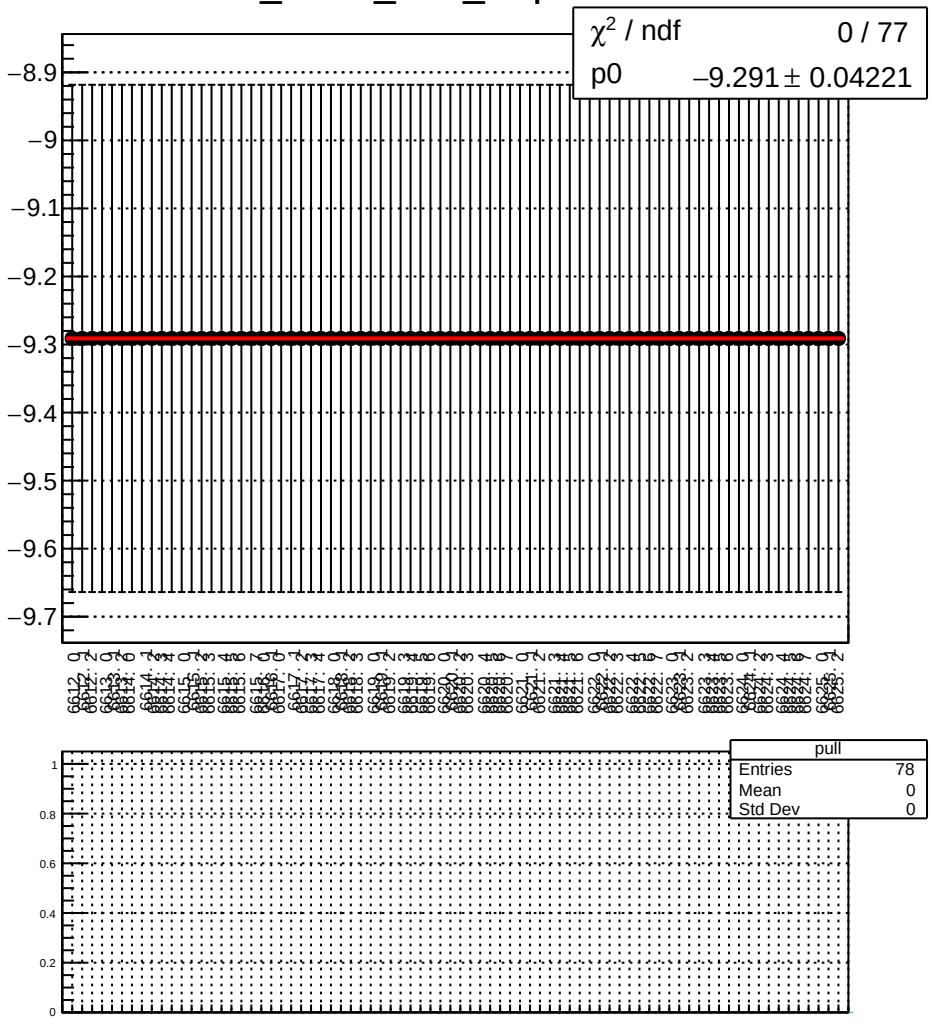

dit_atr2_4aY_slope vs run
χ² / ndf 1.216e−29 / 77
p0 −5.833 ± 0.2547
pull
Entries 78
Mean 39
Std Dev 22.51

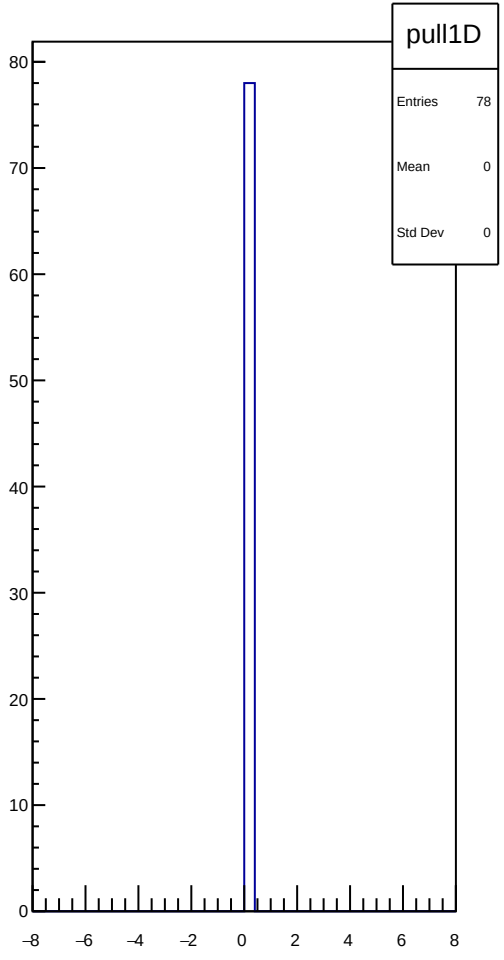

pull1D
Entries 78
Mean 3.948e−16
Std Dev 2.34e−23

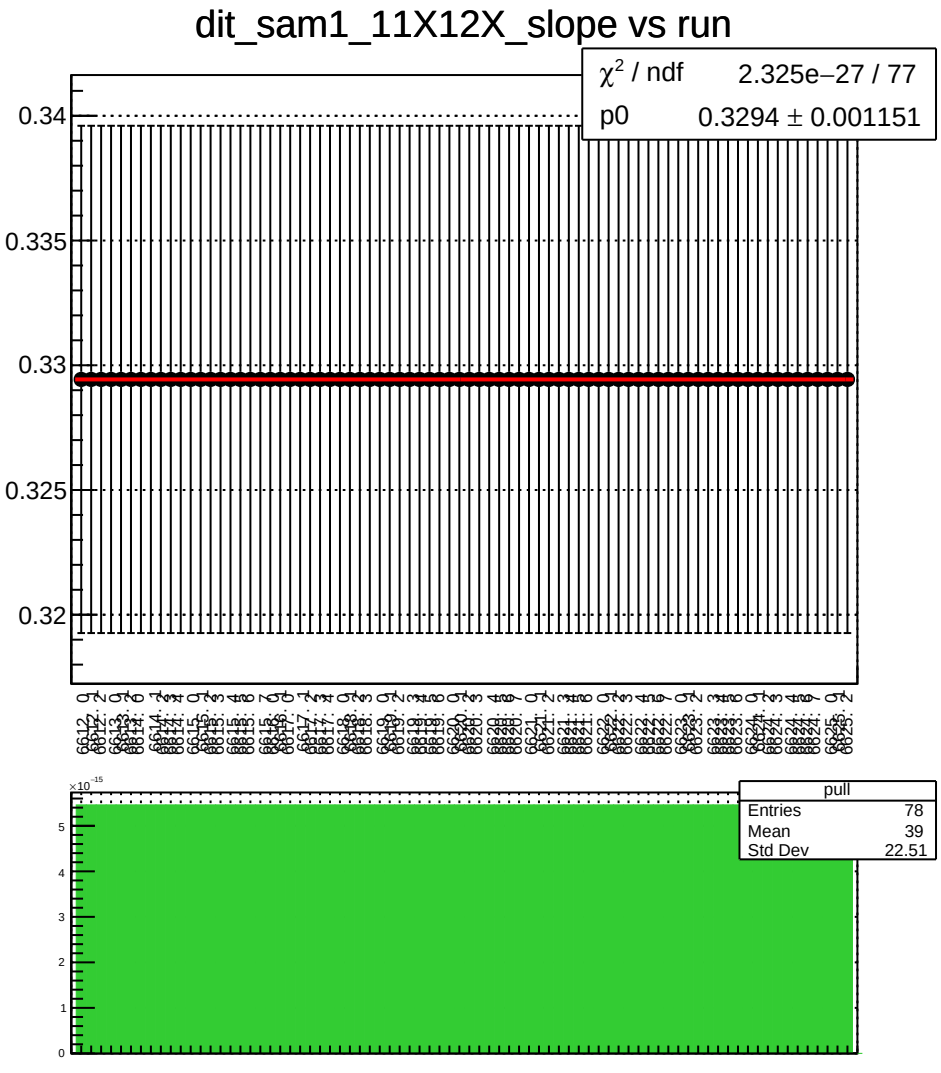

dit_atr2_4eY_slope vs run
χ² / ndf 5.037e−25 / 77
p0 147.2 ± 0.2403
149
148
147
146
145
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80
pull1D
Entries 78
Mean −8.036e−14
Std Dev3.492e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

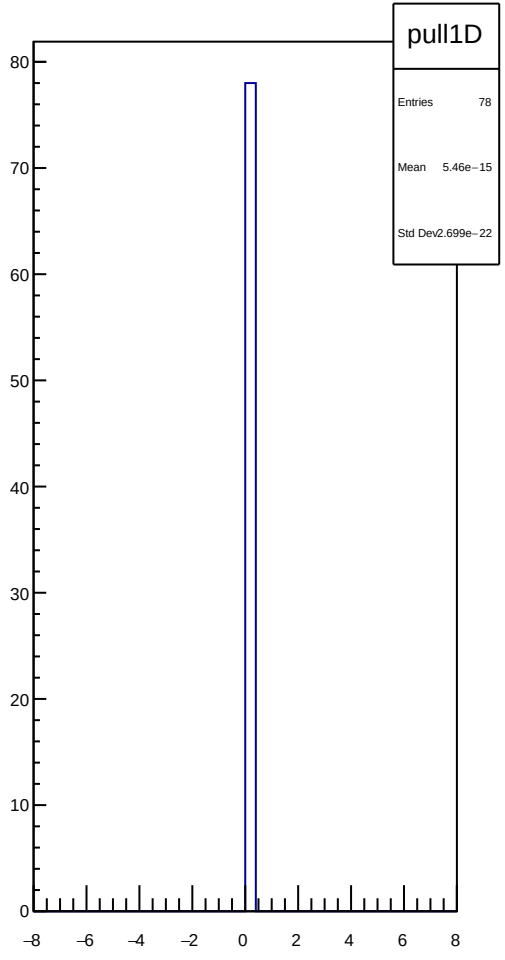

dit_sam1_4aX_slope vs run
χ² / ndf 7.302e−27 / 77
p0 1.824 ± 0.04937
2.2
2
1.8
1.6
1.4
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
10
8
6
4
2
0

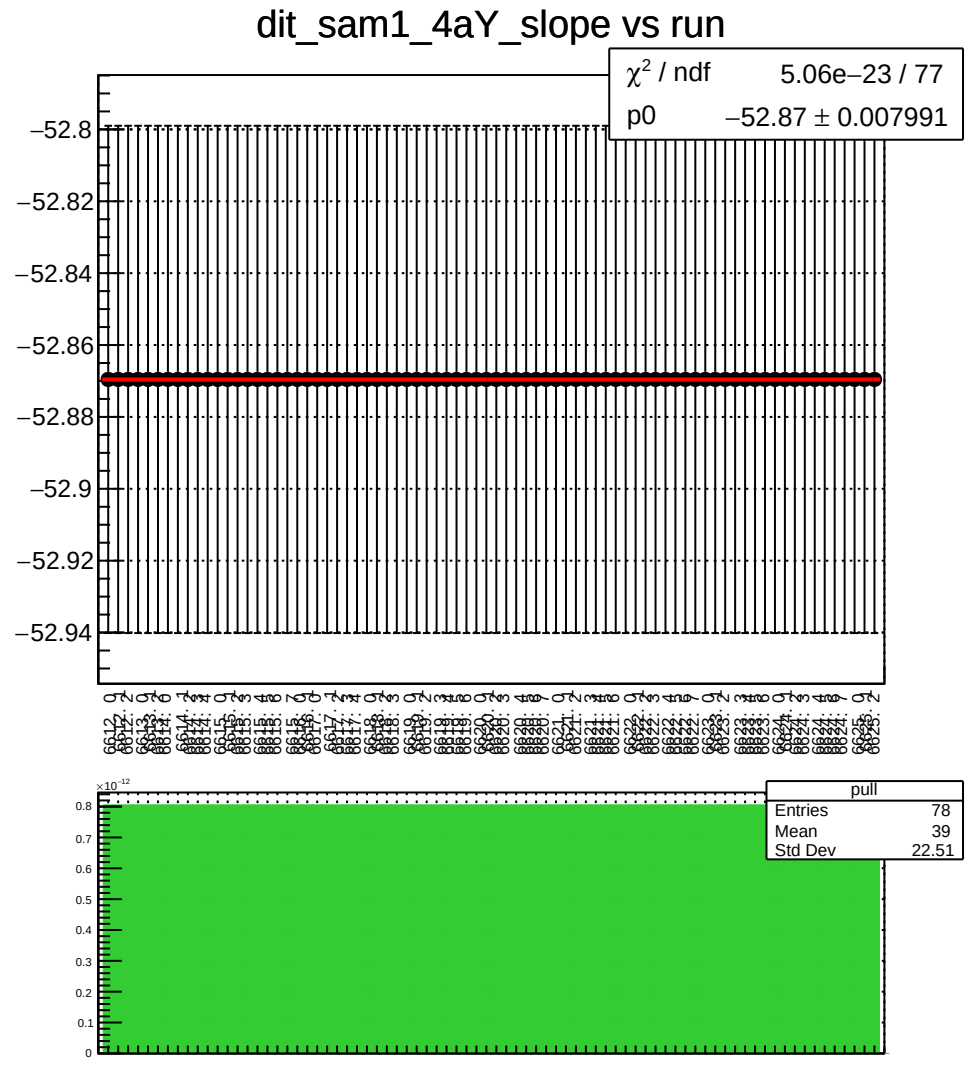

pull1D
Entries 78
Mean 9.675e−15
Std Dev 6.353e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

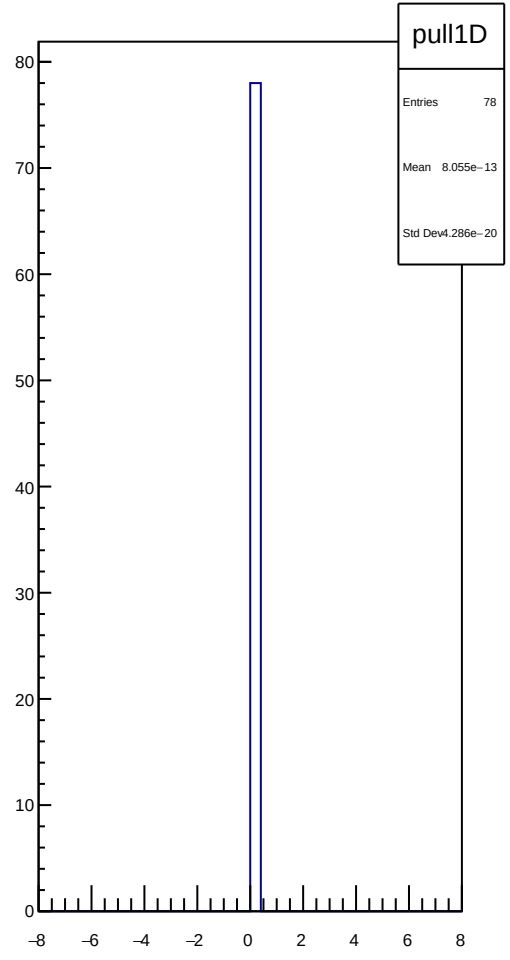

dit_sam1_4eX_slope vs run
χ² / ndf 0 / 77
p0 −9.291 ± 0.04221
−8.9
−9
−9.1
−9.2
−9.3
−9.4
−9.5
−9.6
−9.7
pull
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

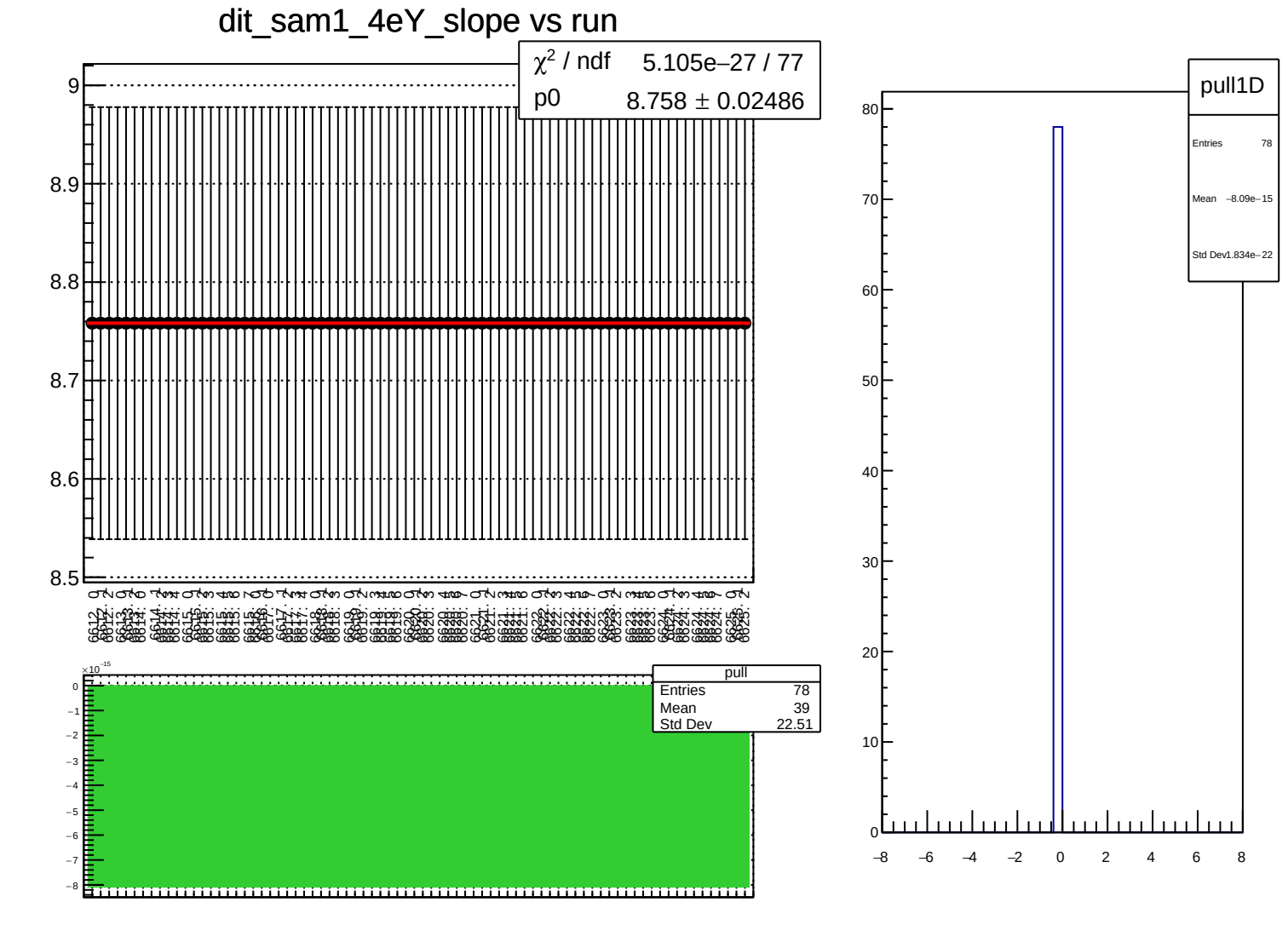

pull1D
Entries 78
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

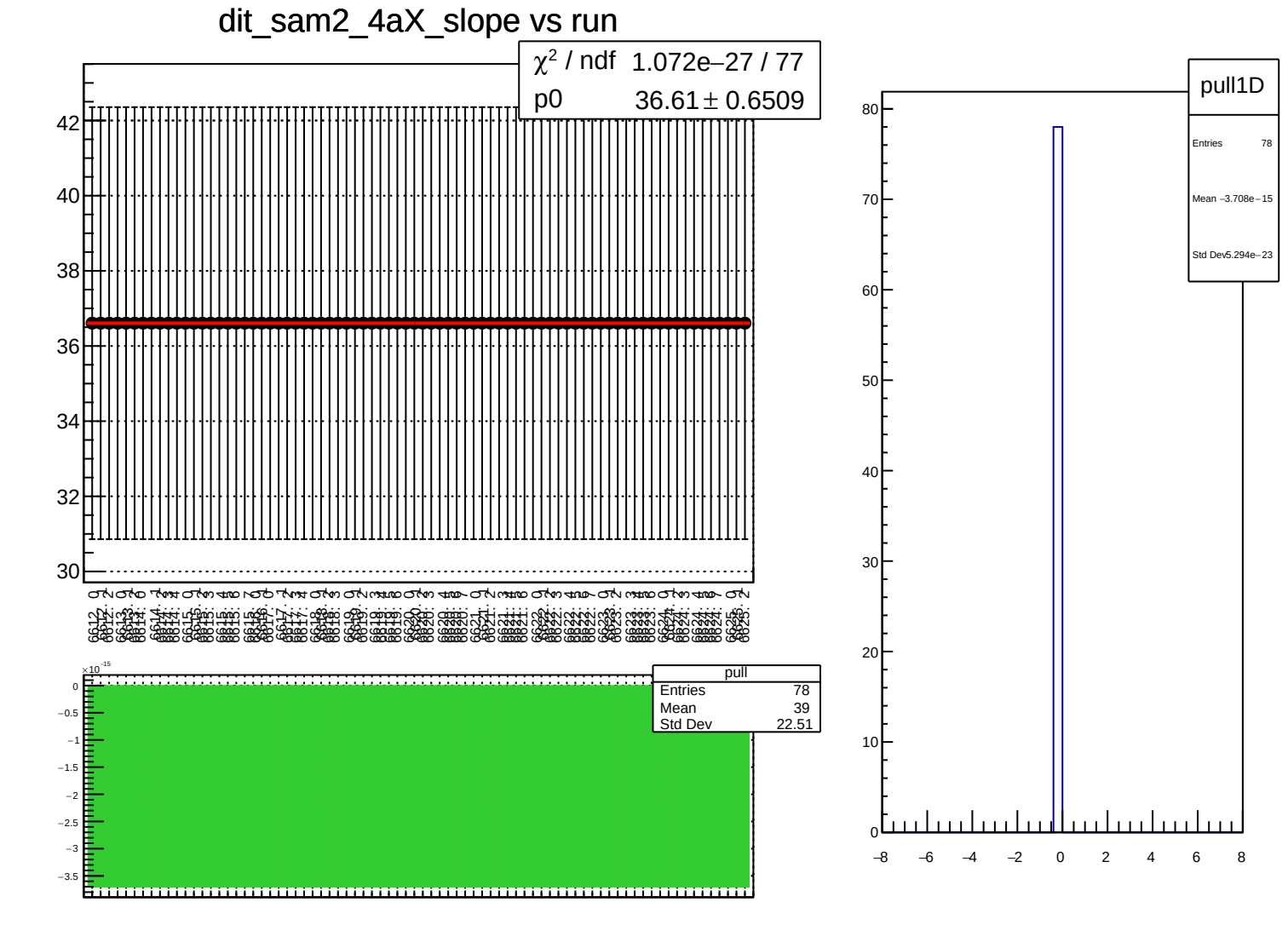

dit_sam1_11X12X_slope vs run
χ² / ndf 2.325e−27 / 77
p0 0.3294 ± 0.001151
0.34
0.335
0.33
0.325
0.32
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
5
4
3
2
1
0

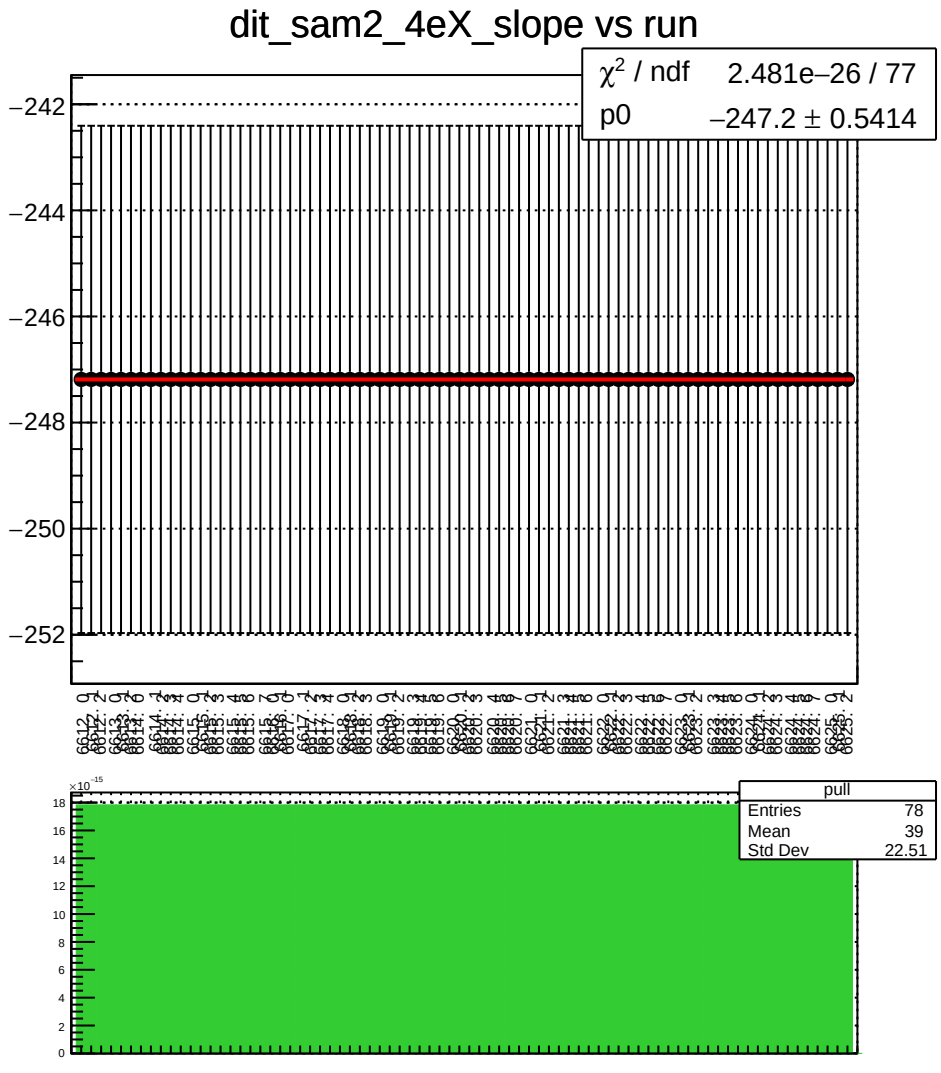

pull1D
Entries 78
Mean 5.46e−15
Std Dev 2.699e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

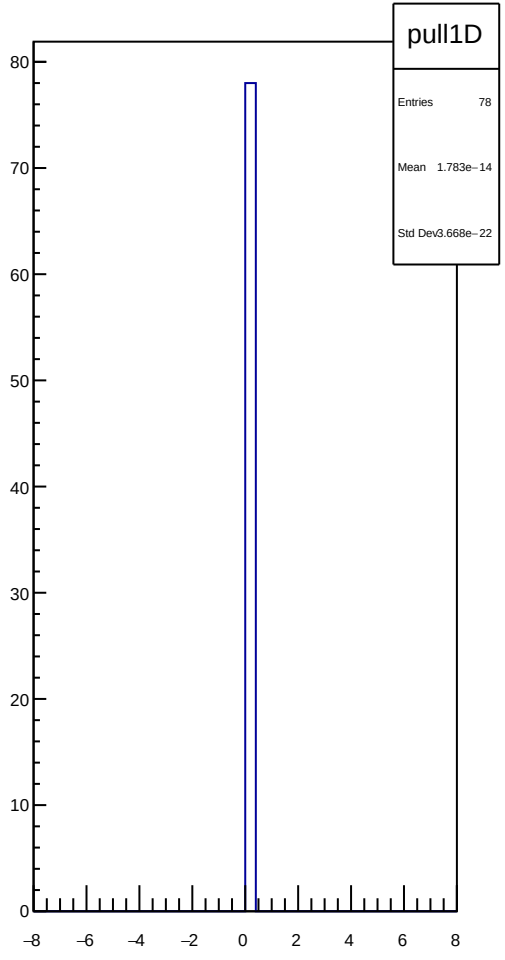

dit_sam1_4aY_slope vs run
χ² / ndf 5.06e−23 / 77
p0 −52.87 ± 0.007991
−52.8
−52.82
−52.84
−52.86
−52.88
−52.9
−52.92
−52.94
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

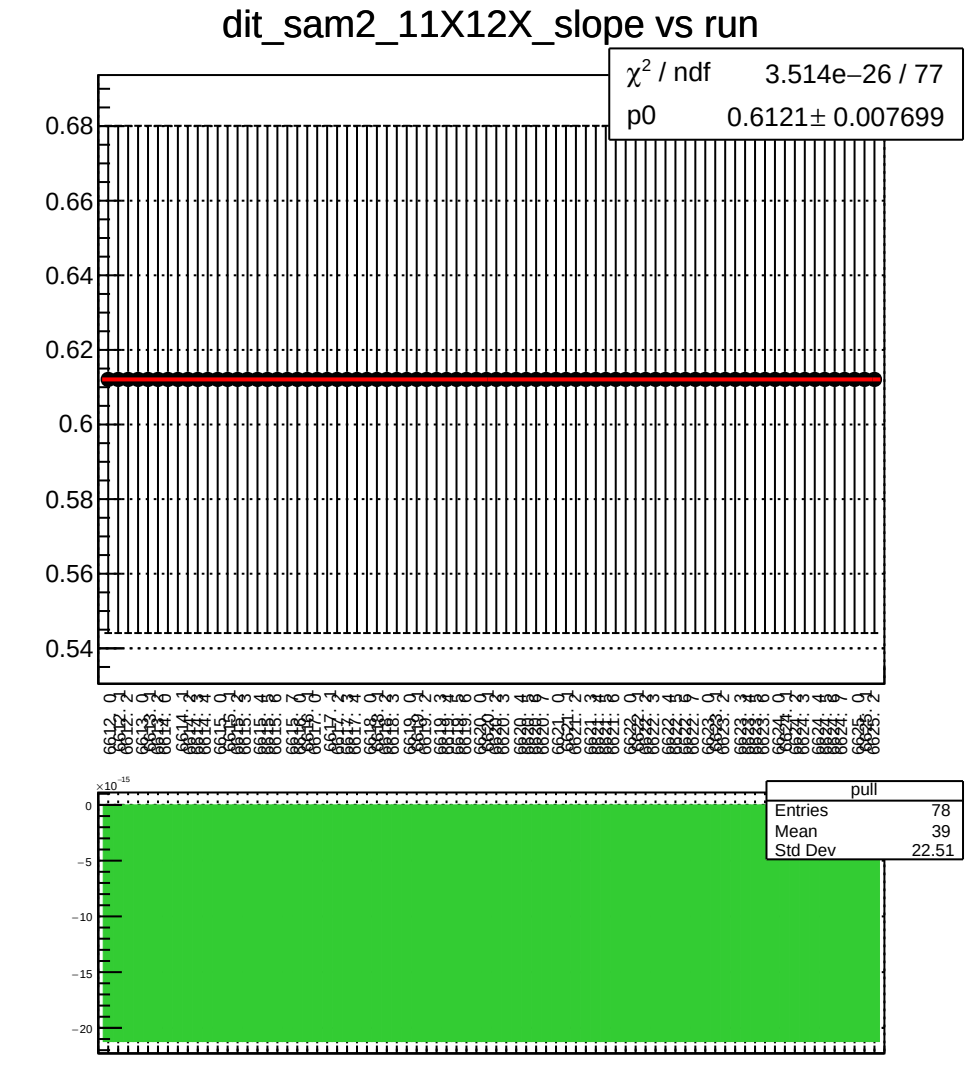

pull1D
Entries 78
Mean 8.055e−13
Std Dev 4.286e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

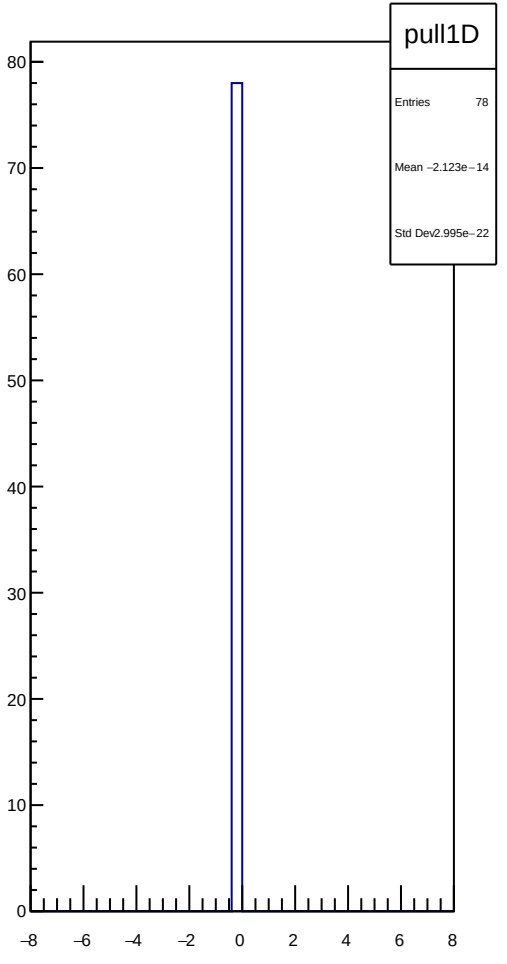

dit_sam1_4eY_slope vs run
χ² / ndf 5.105e−27 / 77
p0 8.758 ± 0.02486
pull
Entries 78
Mean 39
Std Dev 22.51
pull1D
Entries 78
Mean −8.09e−15
Std Dev1.834e−22

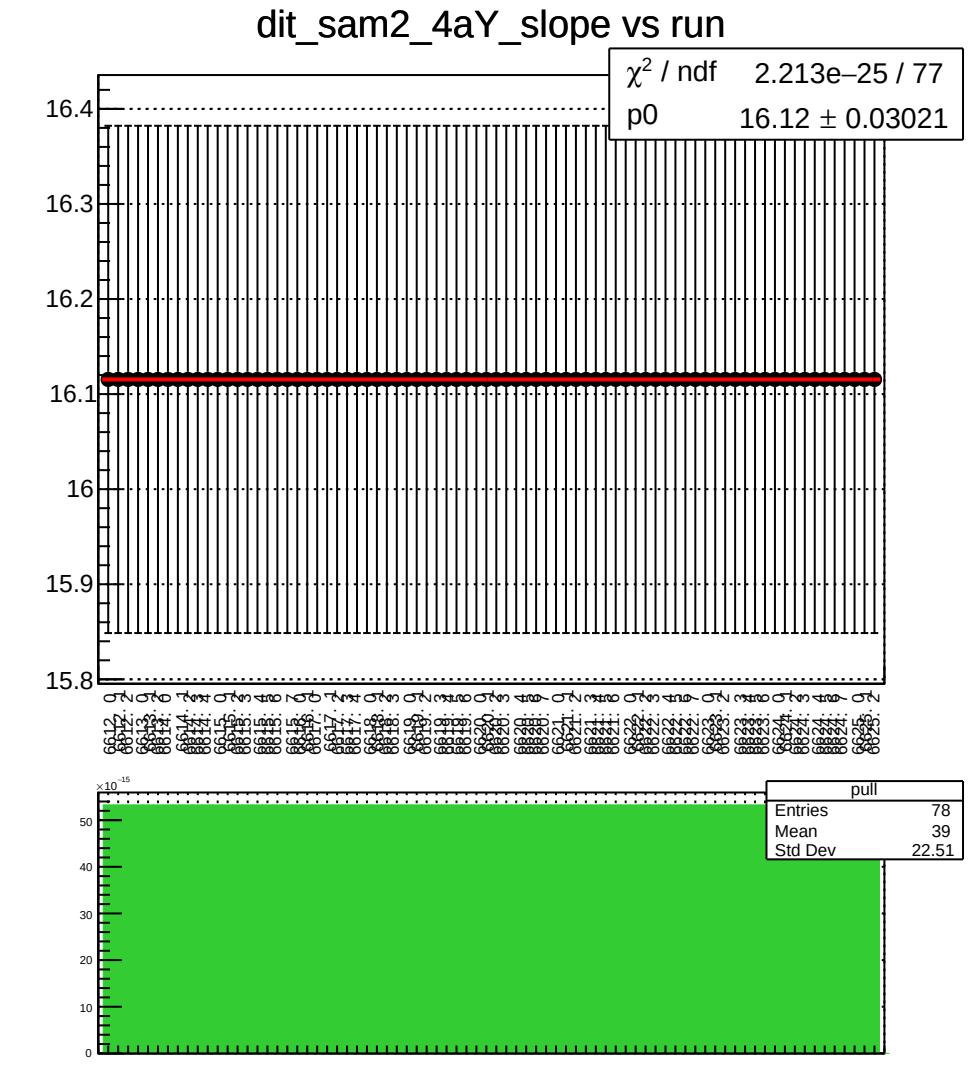

dit_sam2_4aX_slope vs run
χ² / ndf 1.072e−27 / 77
p0 36.61 ± 0.6509
pull
Entries 78
Mean 39
Std Dev 22.51
pull1D
Entries 78
Mean −3.708e−15
Std Dev 5.294e−23

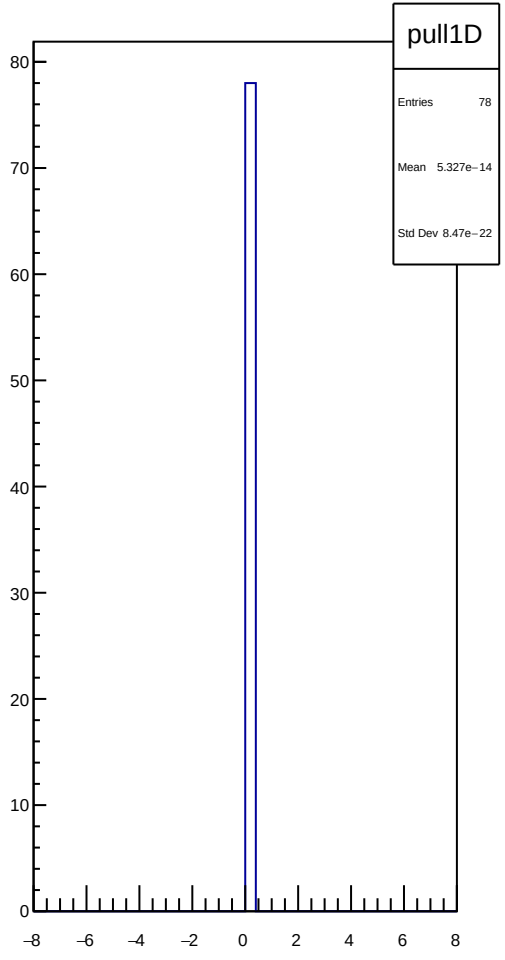

dit_sam2_4eX_slope vs run
χ² / ndf 2.481e−26 / 77
p0 −247.2 ± 0.5414
−242
−244
−246
−248
−250
−252
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
18
16
14
12
10
8
6
4
2
0

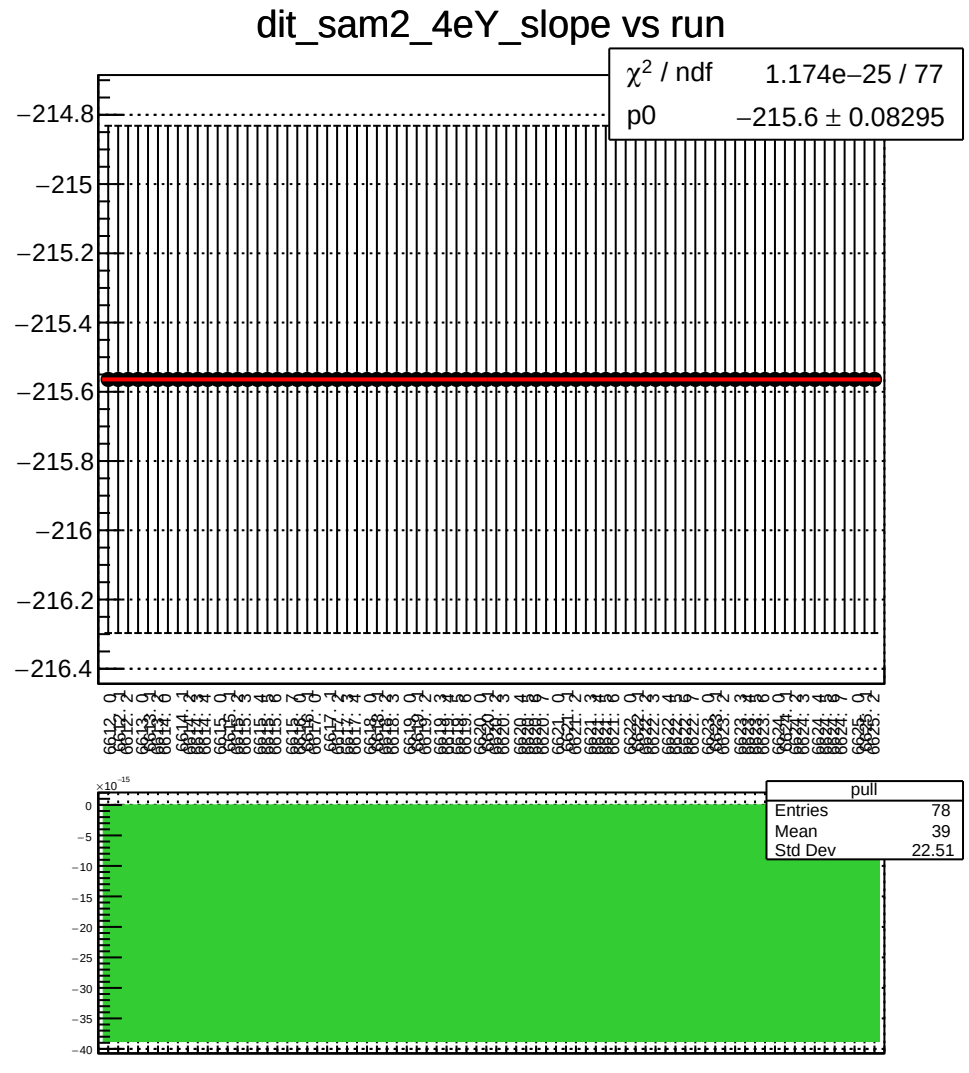

pull1D
Entries 78
Mean 1.783e−14
Std Dev 3.668e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

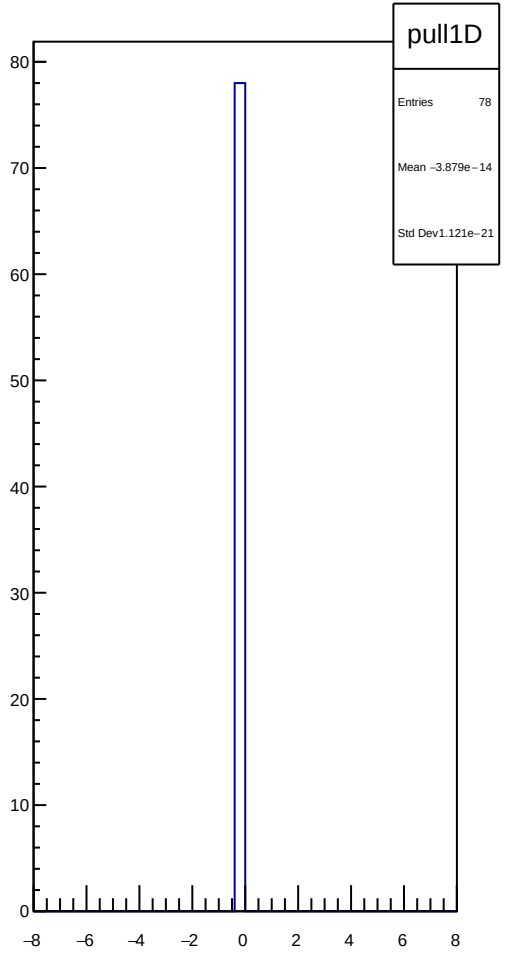

dit_sam2_11X12X_slope vs run
χ² / ndf 3.514e−26 / 77
p0 0.6121± 0.007699
0.68
0.66
0.64
0.62
0.6
0.58
0.56
0.54
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
0
−5
−10
−15
−20

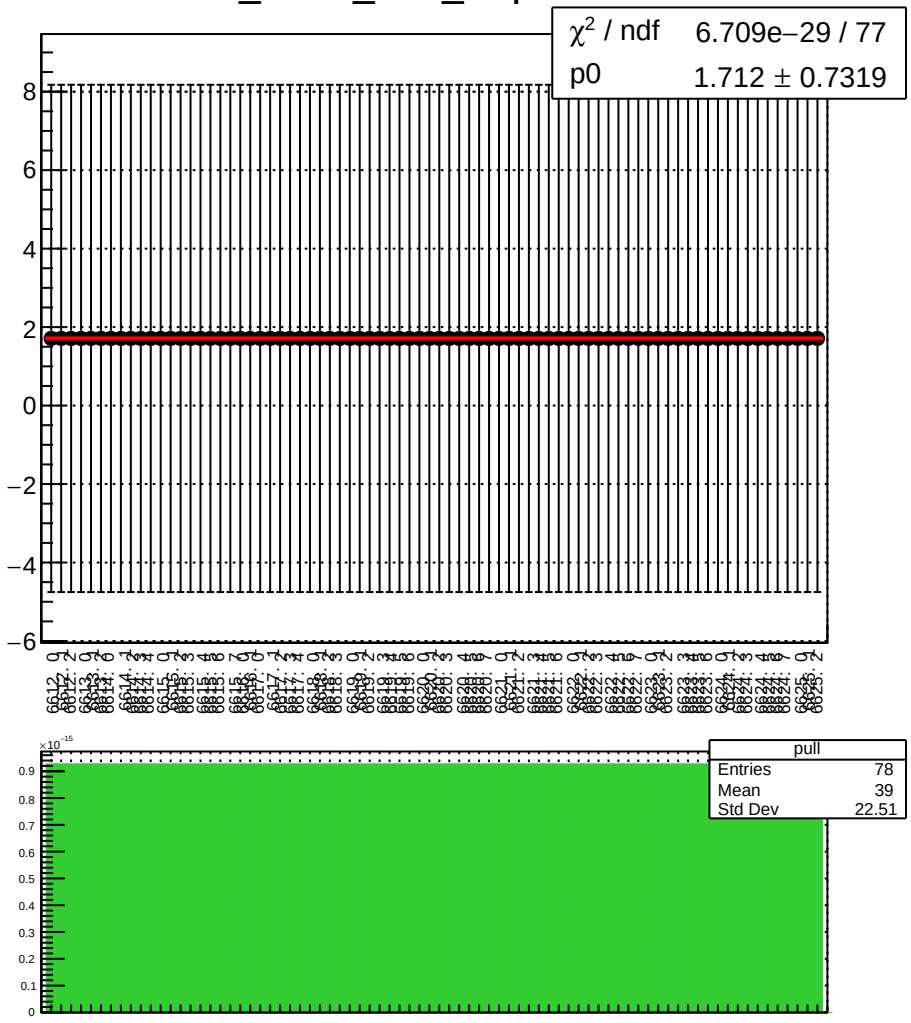

pull1D
Entries 78
Mean −2.123e−14
Std Dev 2.995e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

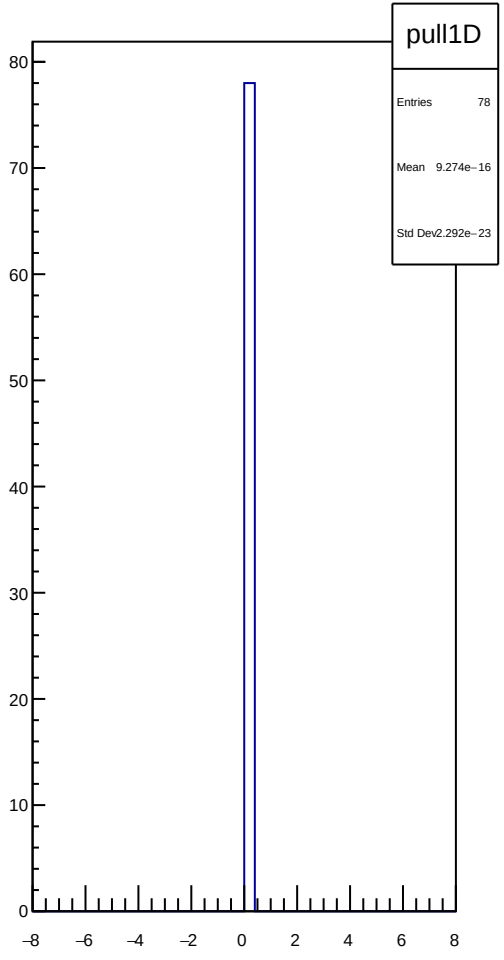

dit_sam2_4aY_slope vs run
χ² / ndf 2.213e−25 / 77
p0 16.12 ± 0.03021
16.4
16.3
16.2
16.1
16
15.9
15.8
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
50
40
30
20
10
0

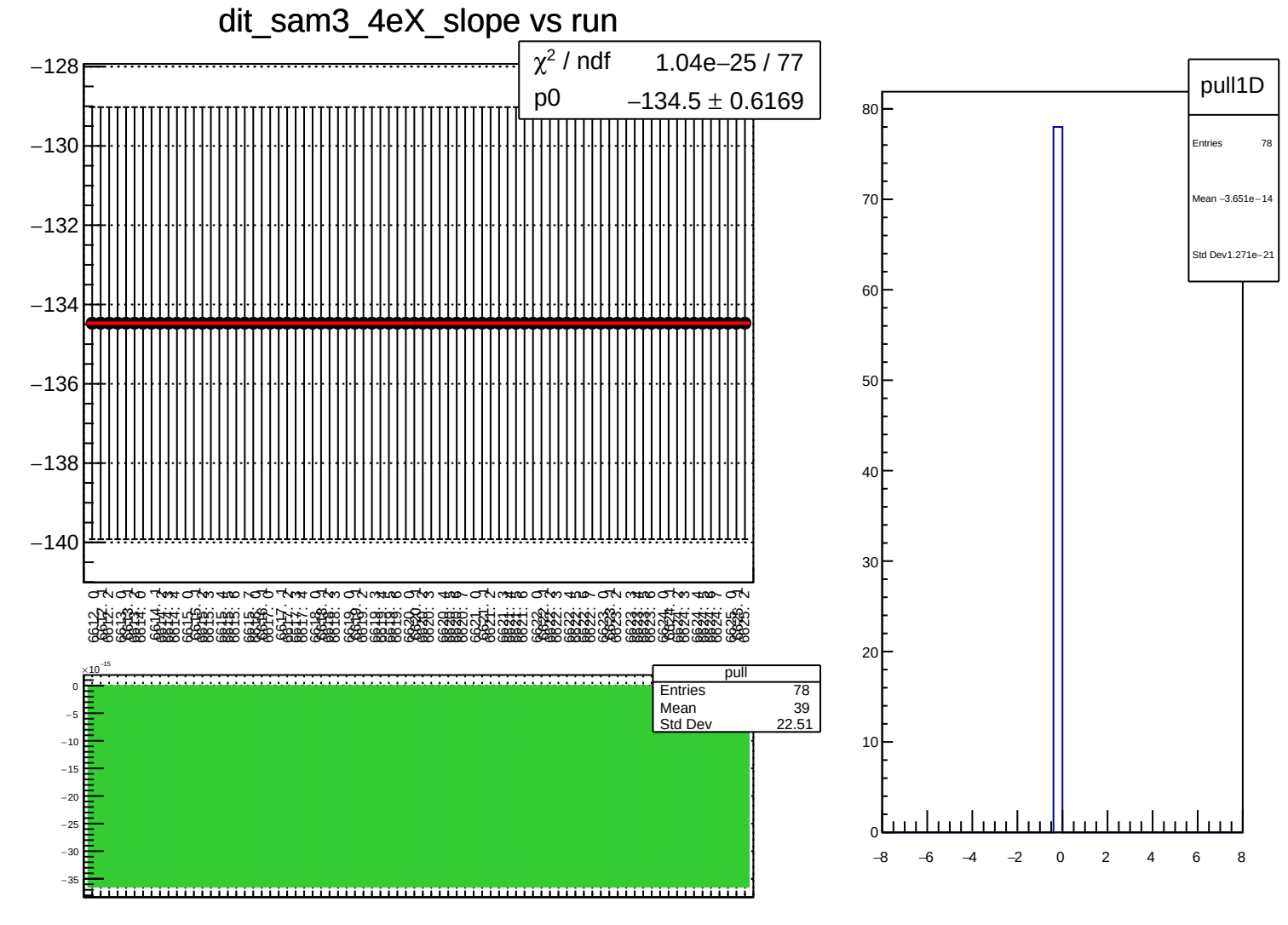

pull1D
Entries 78
Mean 5.327e−14
Std Dev 8.47e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

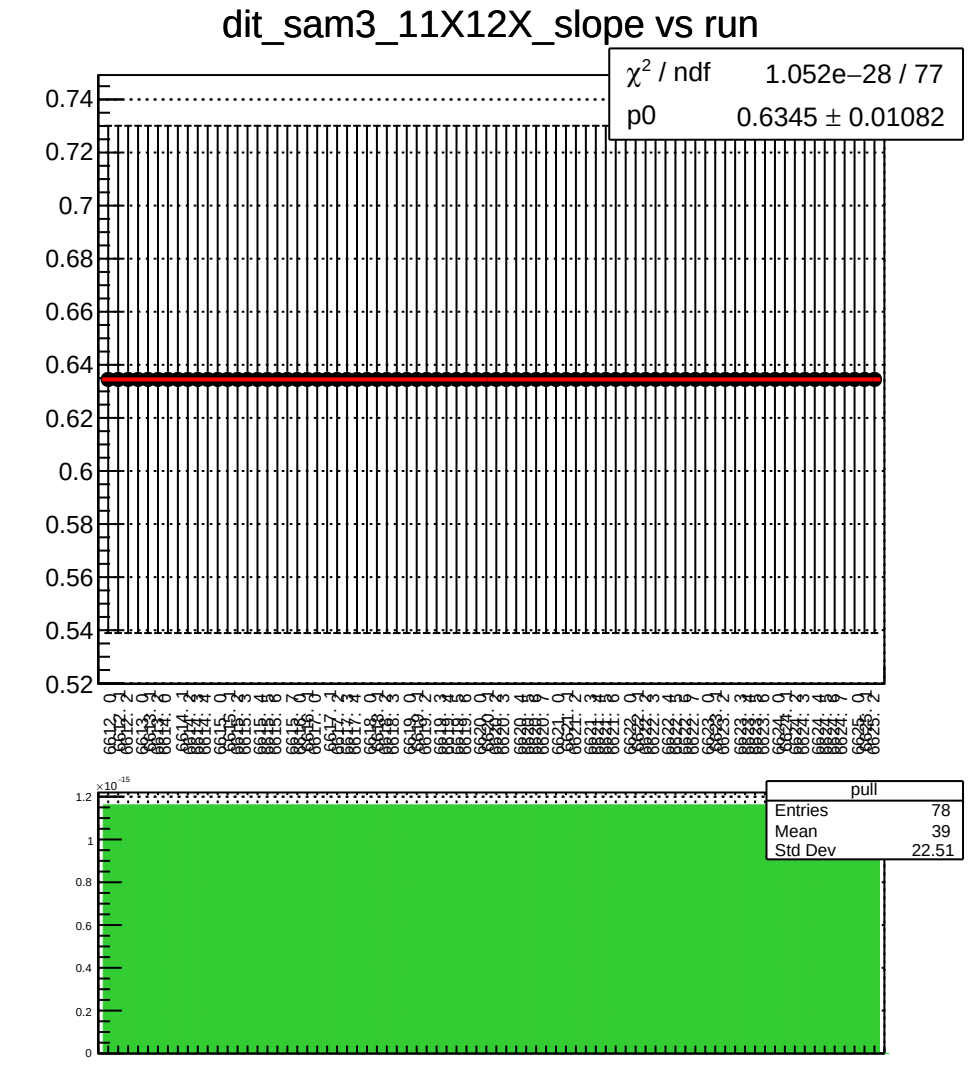

dit_sam2_4eY_slope vs run
χ² / ndf 1.174e−25 / 77
p0 −215.6 ± 0.08295
−214.8
−215
−215.2
−215.4
−215.6
−215.8
−216
−216.2
−216.4
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40

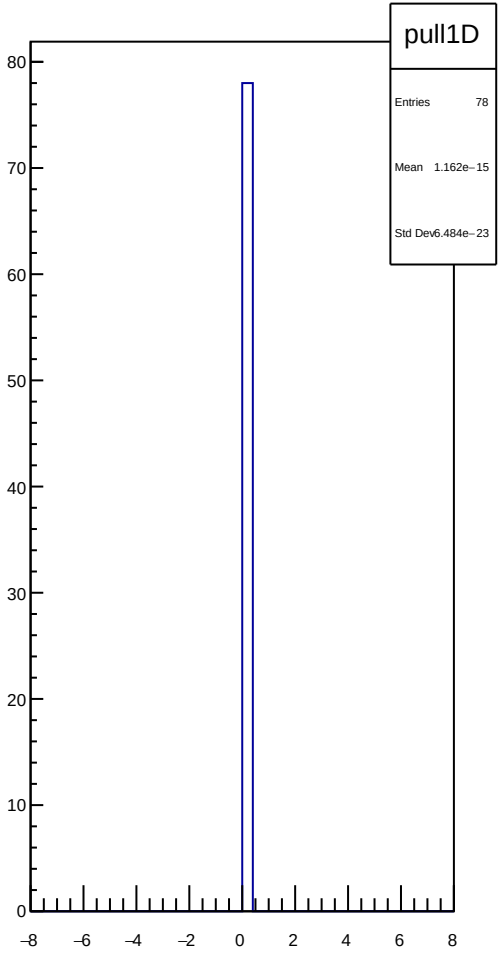

pull1D
Entries 78
Mean −3.879e−14
Std Dev1.121e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

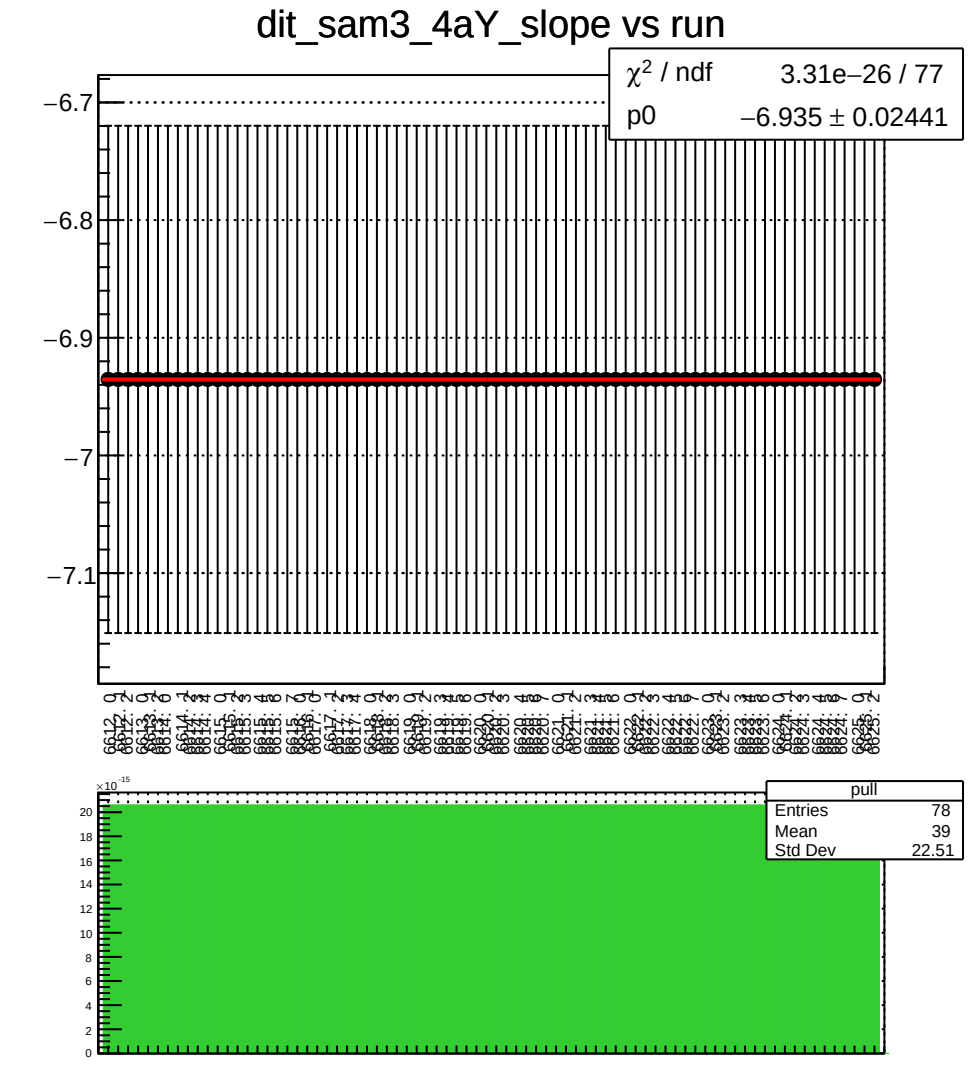

dit_sam3_4aX_slope vs run
χ² / ndf 6.709e−29 / 77
p0 1.712 ± 0.7319
pull
Entries 78
Mean 39
Std Dev 22.51

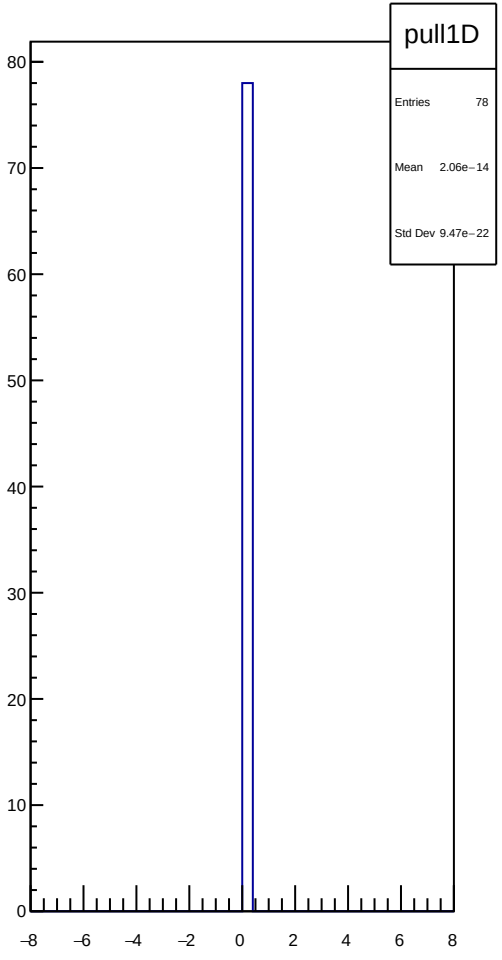

pull1D
Entries 78
Mean 9.274e−16
Std Dev 2.292e−23

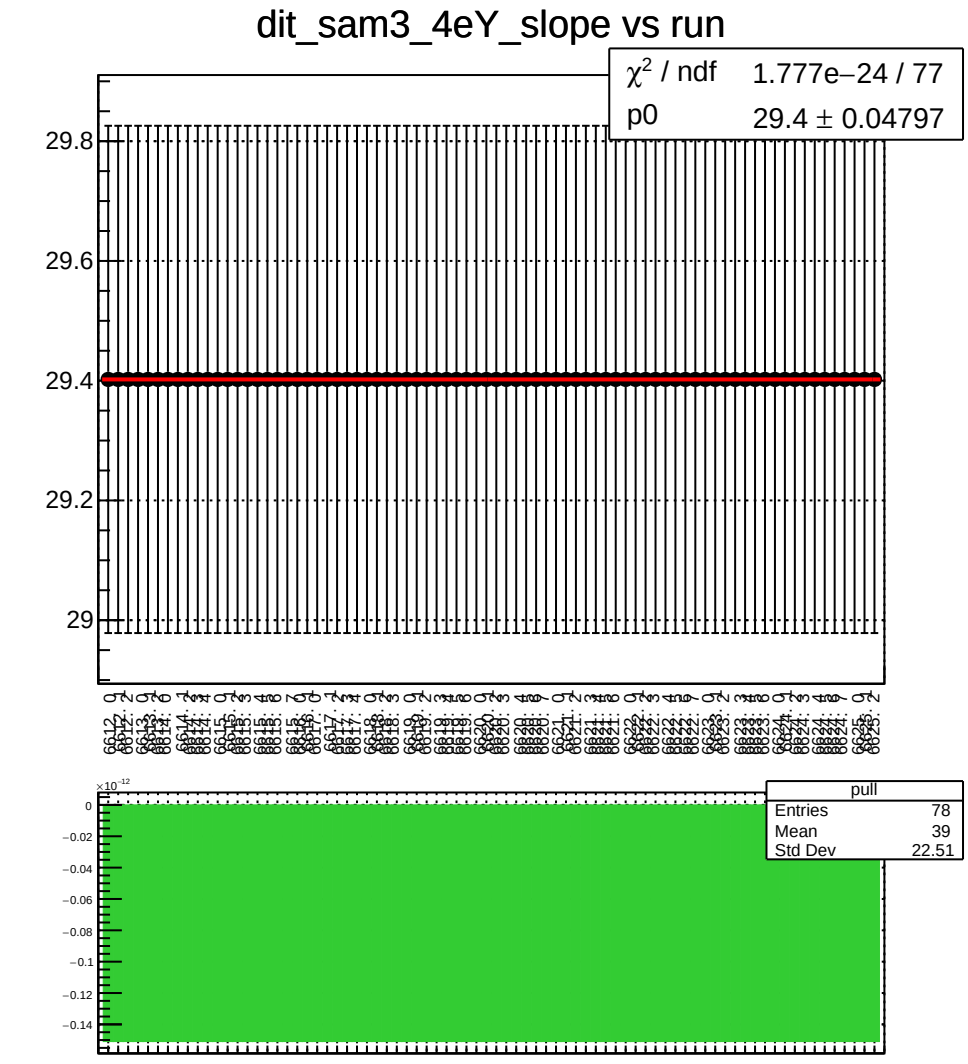

dit_sam3_4eX_slope vs run
χ² / ndf 1.04e−25 / 77
p0 −134.5 ± 0.6169
−128
−130
−132
−134
−136
−138
−140
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
pull1D
Entries 78
Mean −3.651e−14
Std Dev1.271e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

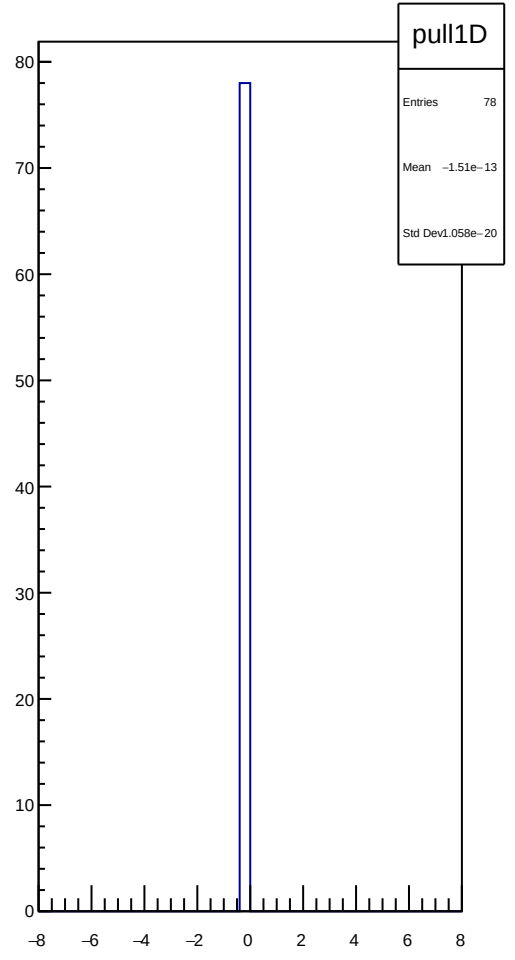

dit_sam3_11X12X_slope vs run
χ² / ndf 1.052e−28 / 77
p0 0.6345 ± 0.01082
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵

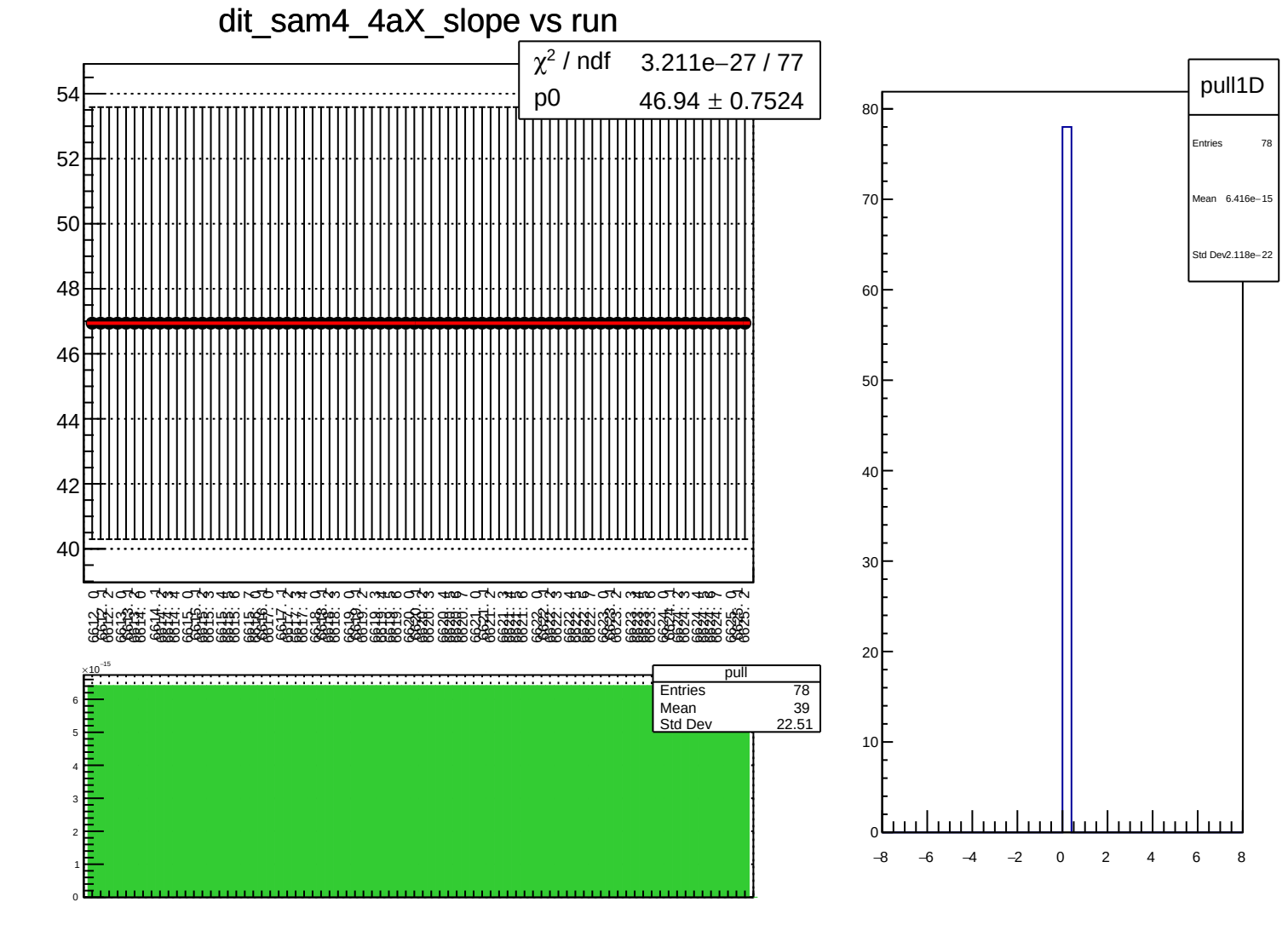

pull1D
Entries 78
Mean 1.162e−15
Std Dev 6.484e−23

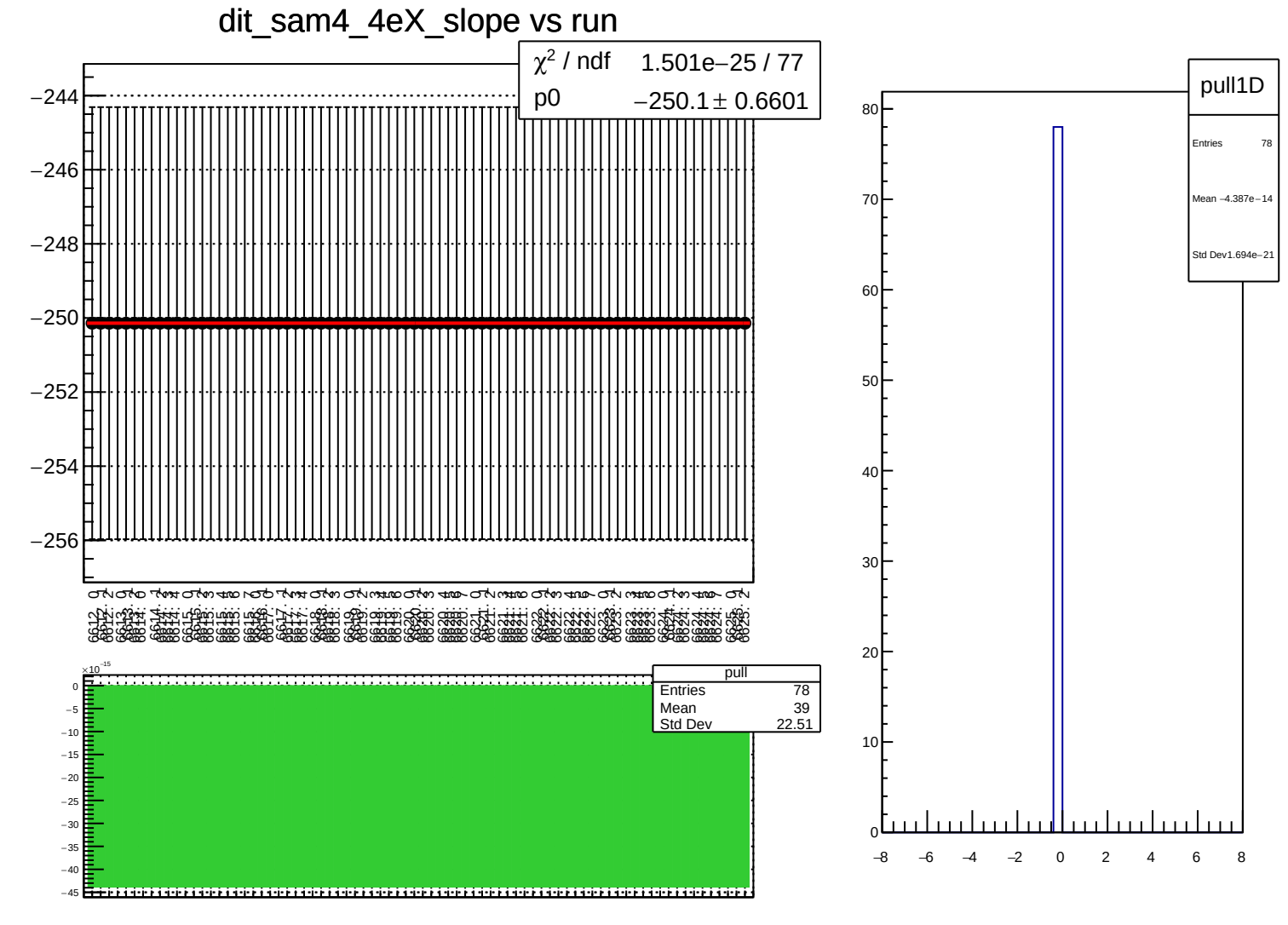

dit_sam3_4aY_slope vs run
χ² / ndf 3.31e−26 / 77
p0 −6.935 ± 0.02441
−6.7
−6.8
−6.9
−7
−7.1
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵

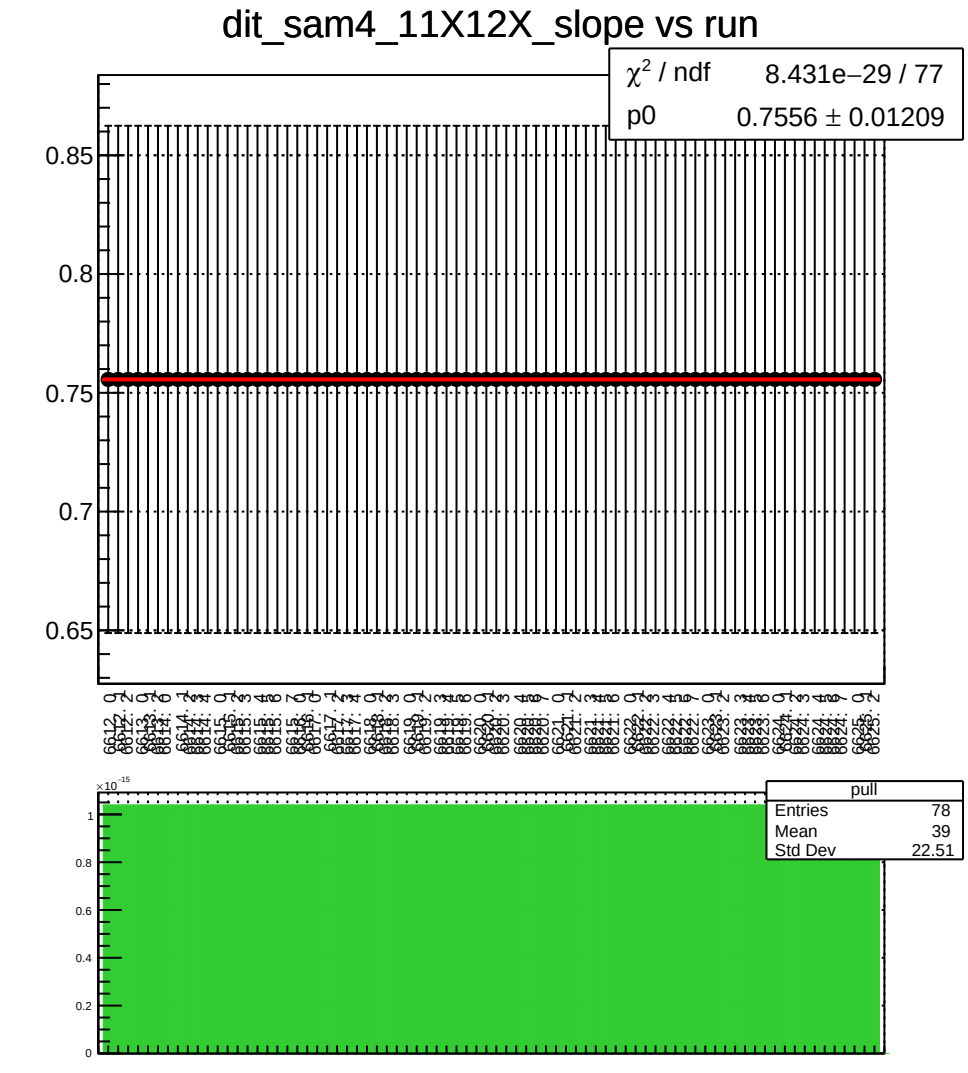

pull1D
Entries 78
Mean 2.06e−14
Std Dev 9.47e−22

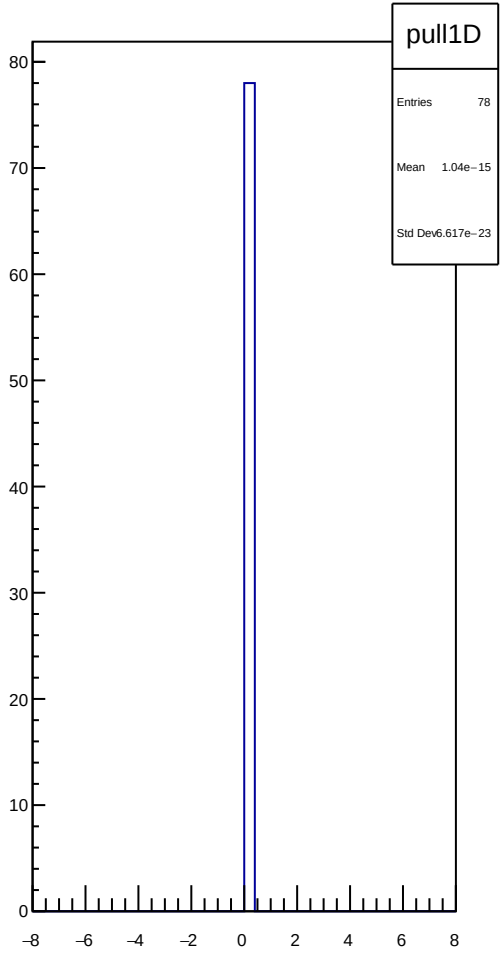

dit_sam3_4eY_slope vs run
χ² / ndf 1.777e−24 / 77
p0 29.4 ± 0.04797
29.8
29.6
29.4
29.2
29
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
pull
Entries 78
Mean 39
Std Dev 22.51

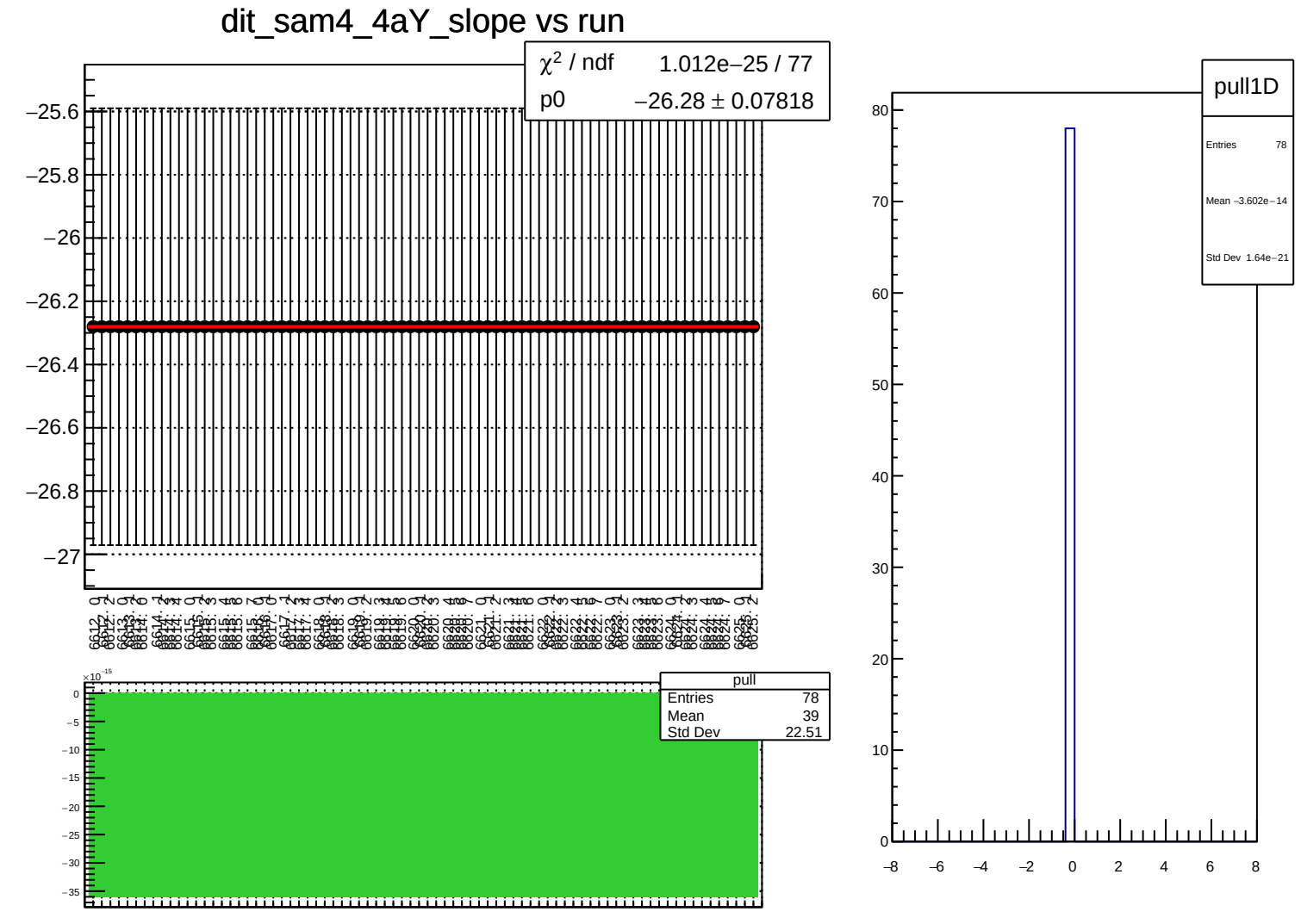

pull1D
Entries 78
Mean −1.51e−13
Std Dev1.058e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

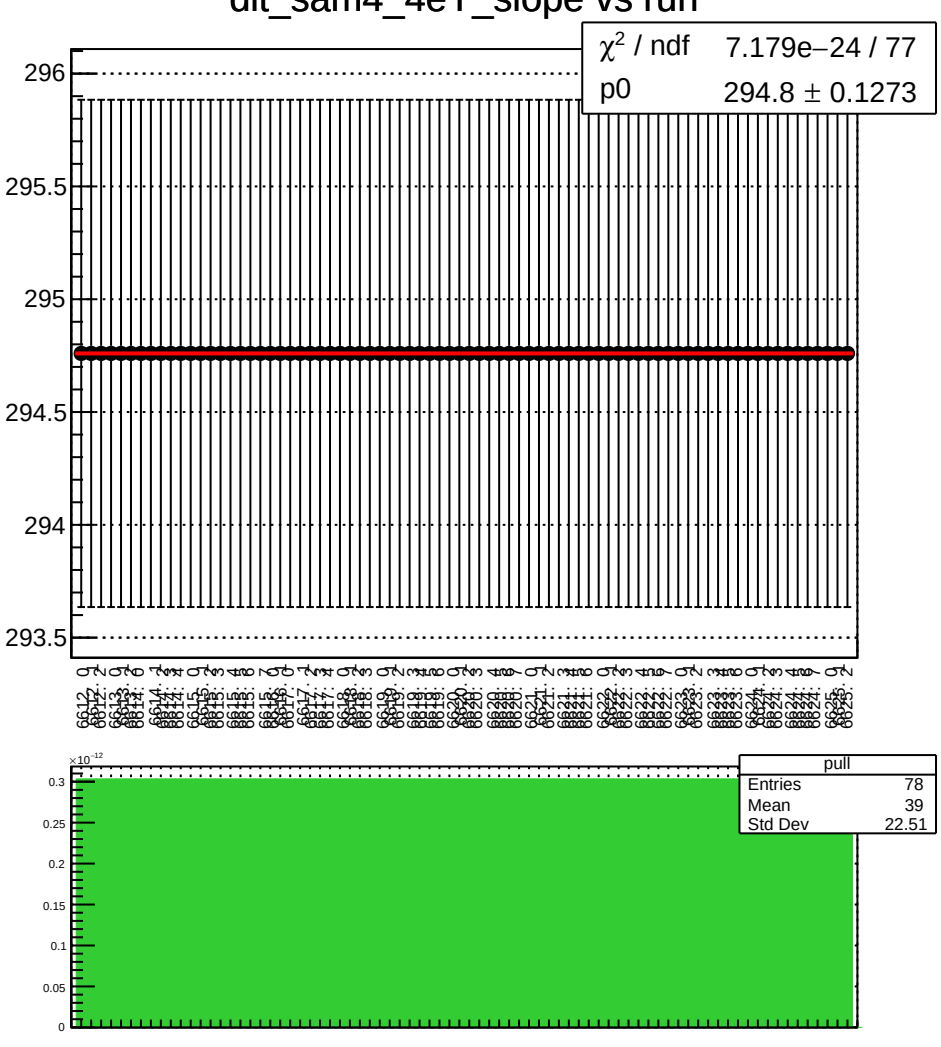

dit_sam4_4aX_slope vs run
χ² / ndf 3.211e−27 / 77
p0 46.94 ± 0.7524
pull
Entries 78
Mean 39
Std Dev 22.51
pull1D
Entries 78
Mean 6.416e−15
Std Dev 2.118e−22

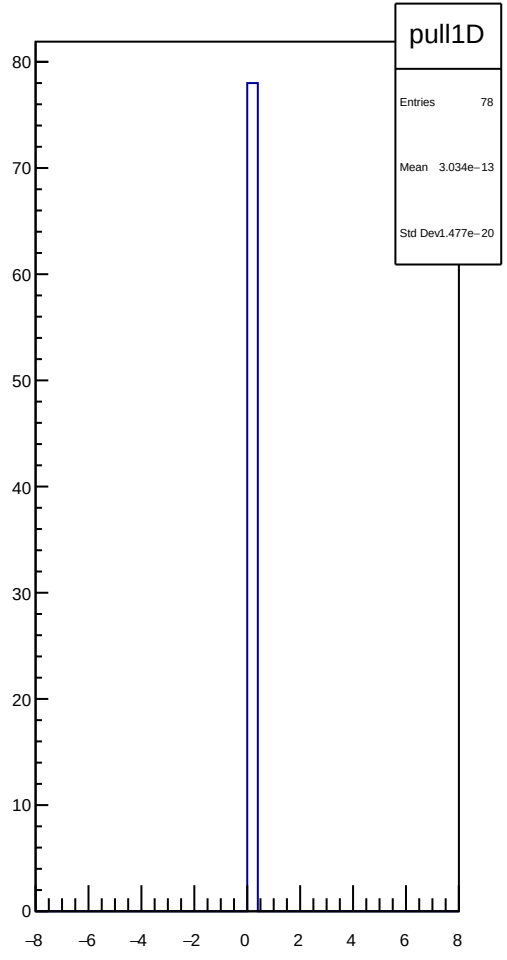

dit_sam4_4eX_slope vs run
χ² / ndf 1.501e−25 / 77
p0 −250.1 ± 0.6601
−244
−246
−248
−250
−252
−254
−256
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40
−45
pull1D
Entries 78
Mean −4.387e−14
Std Dev1.694e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

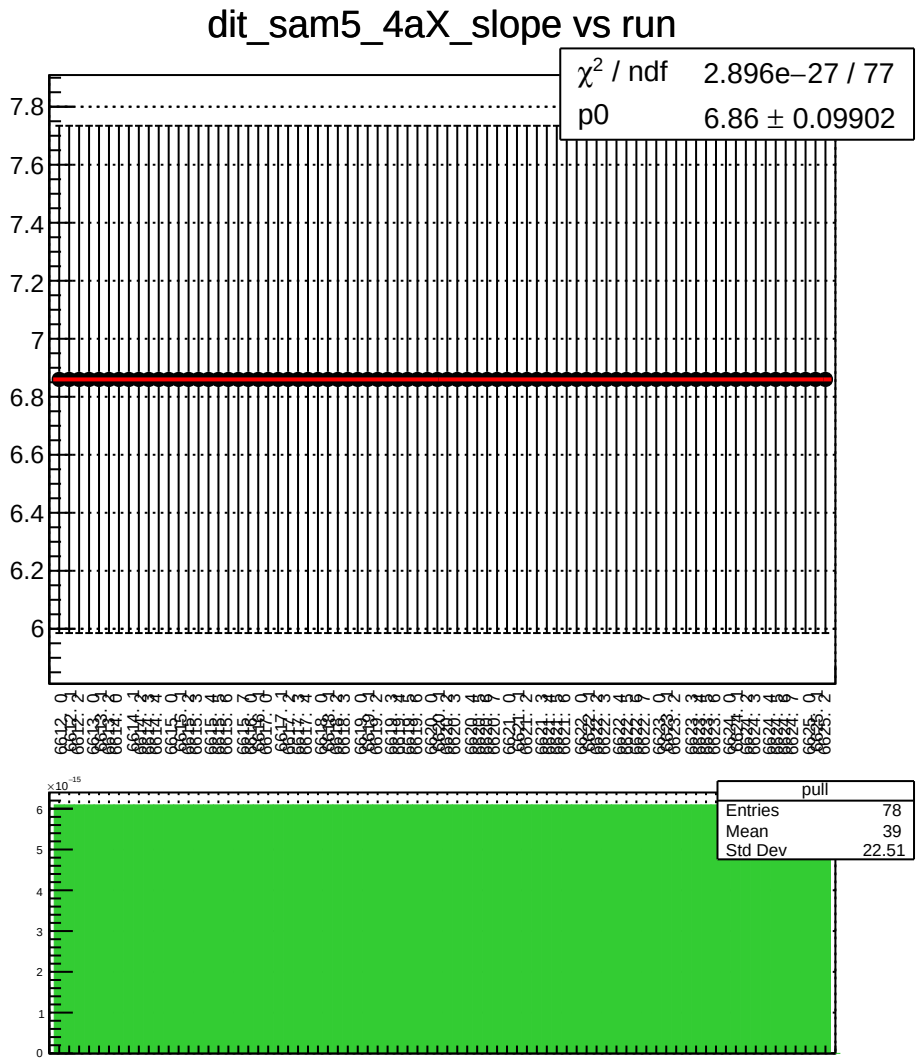

dit_sam4_11X12X_slope vs run
χ² / ndf 8.431e−29 / 77
p0 0.7556 ± 0.01209
0.85
0.8
0.75
0.7
0.65
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
1
0.8
0.6
0.4
0.2
0

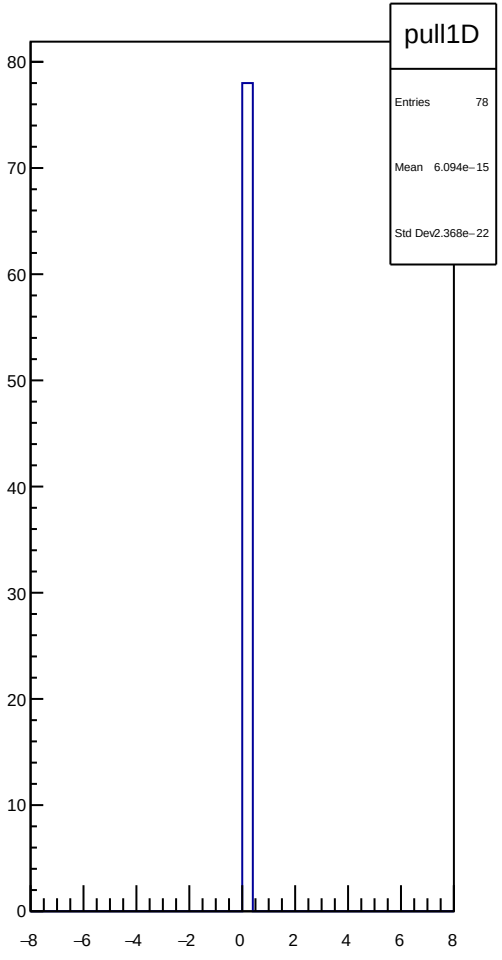

pull1D
Entries 78
Mean 1.04e−15
Std Dev 6.617e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

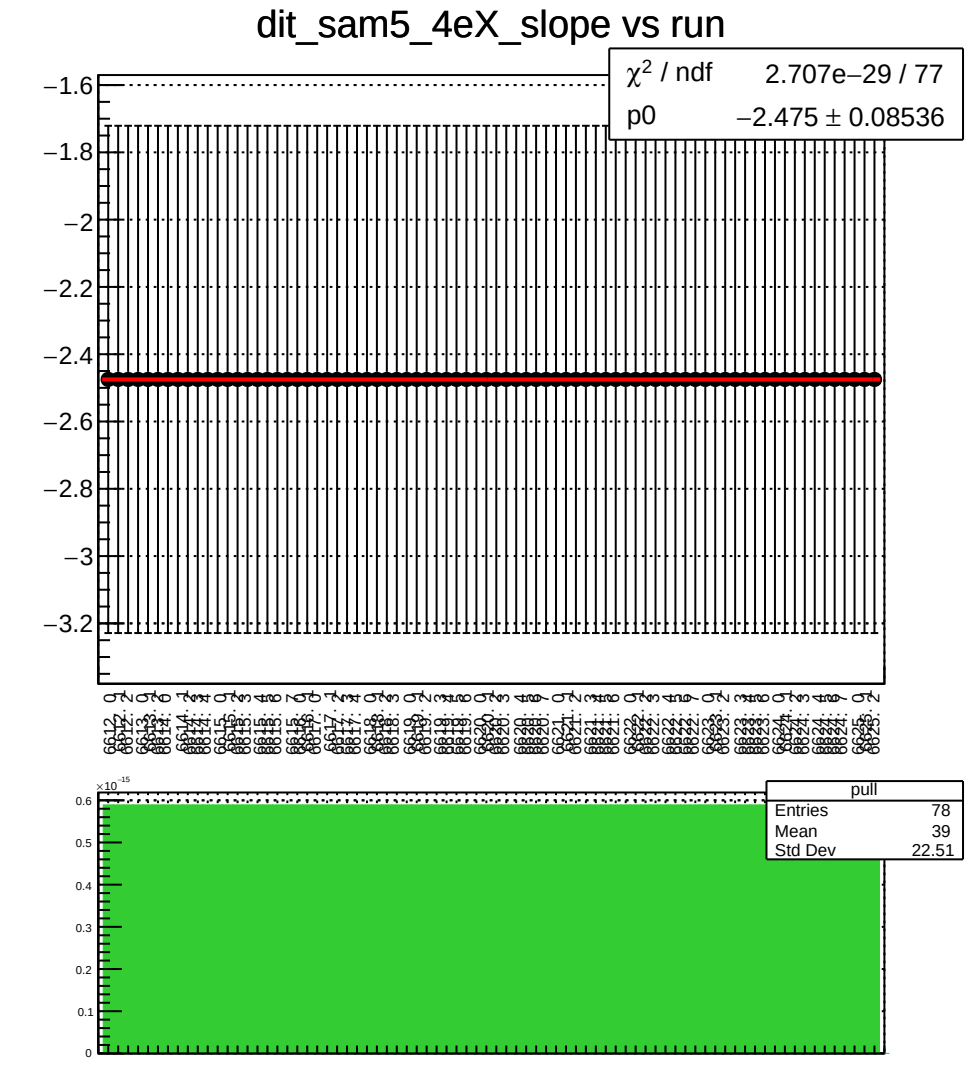

dit_sam4_4aY_slope vs run
χ² / ndf 1.012e−25 / 77
p0 −26.28 ± 0.07818
−25.6
−25.8
−26
−26.2
−26.4
−26.6
−26.8
−27
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
pull1D
Entries 78
Mean −3.602e−14
Std Dev 1.64e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

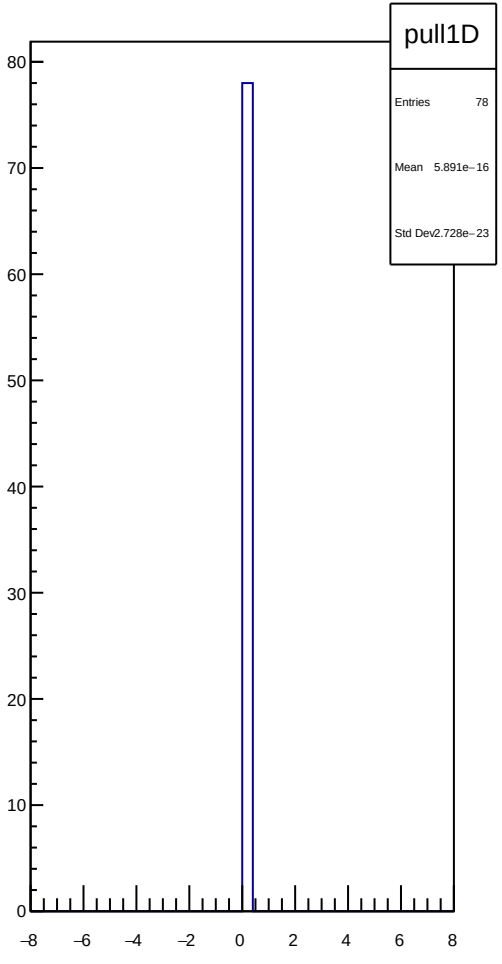

dit_sam4_4eY_slope vs run
χ² / ndf 7.179e−24 / 77
p0 294.8 ± 0.1273
296
295.5
295
294.5
294
293.5
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0.3
0.25
0.2
0.15
0.1
0.05
0

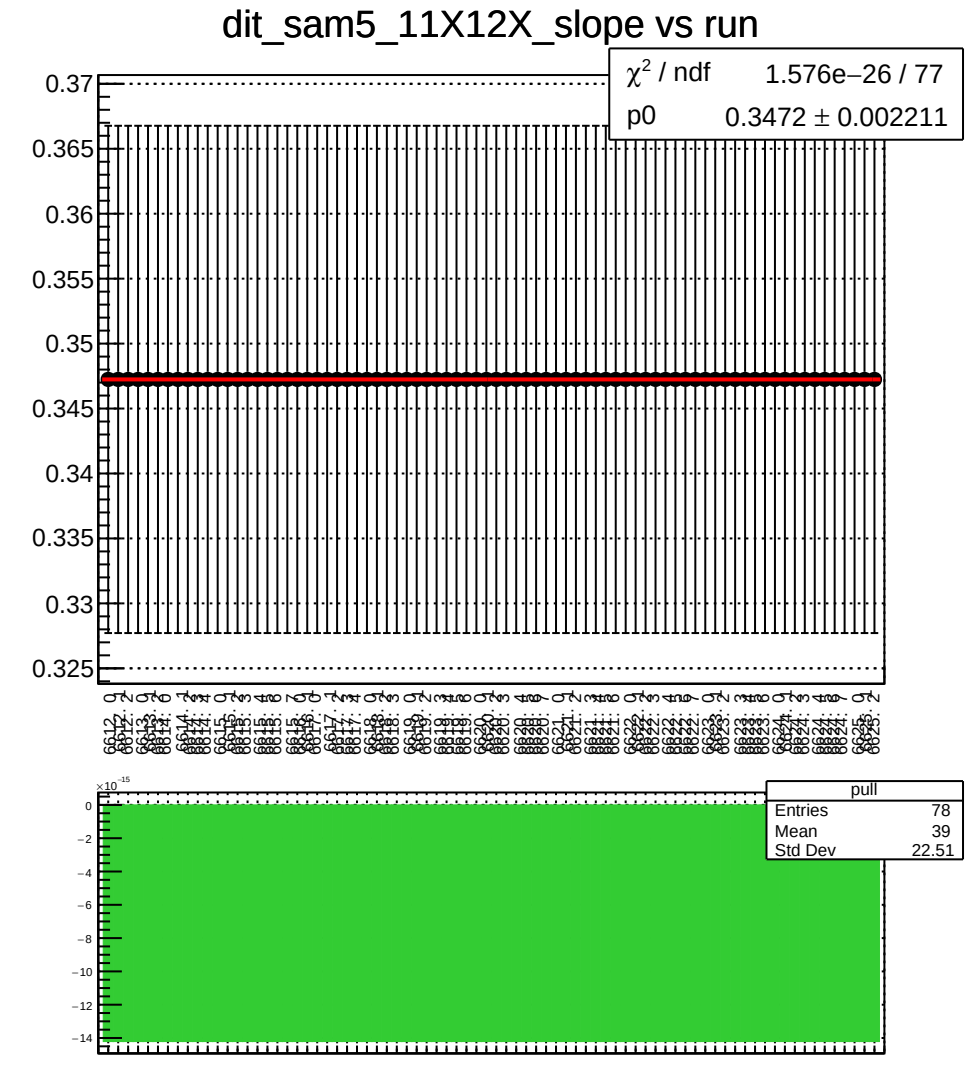

pull1D
Entries 78
Mean 3.034e−13
Std Dev1.477e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

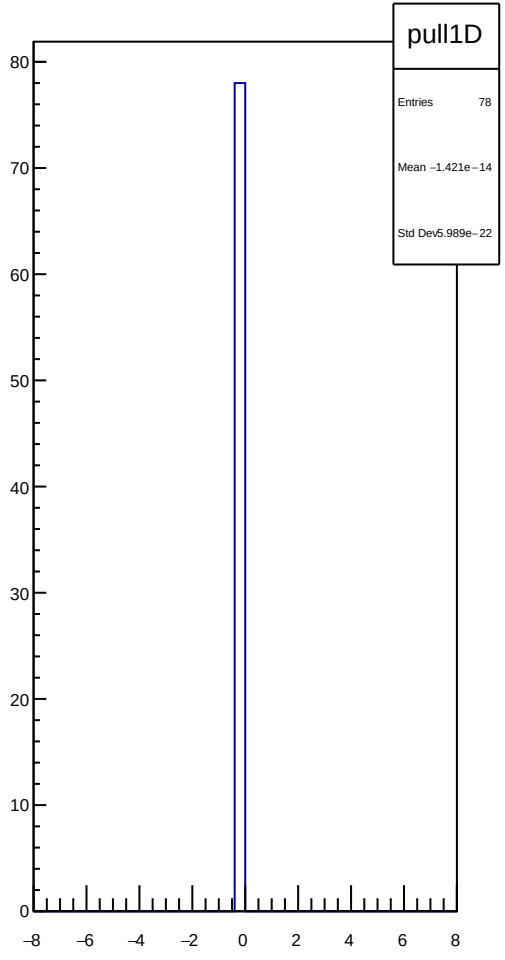

dit_sam5_4aX_slope vs run
χ^2 / ndf 2.896e−27 / 77
p0 6.86 ± 0.09902
pull
Entries 78
Mean 39
Std Dev 22.51

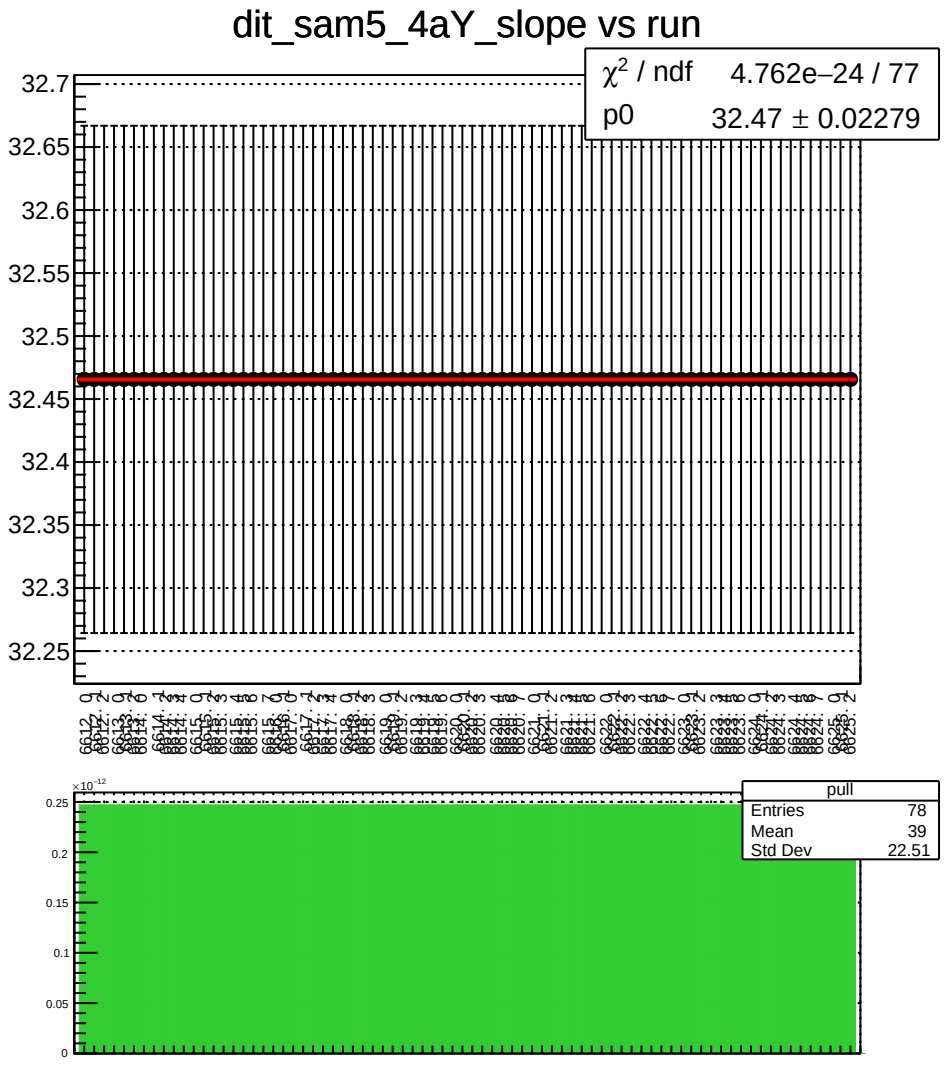

pull1D
Entries 78
Mean 6.094e−15
Std Dev 2.368e−22

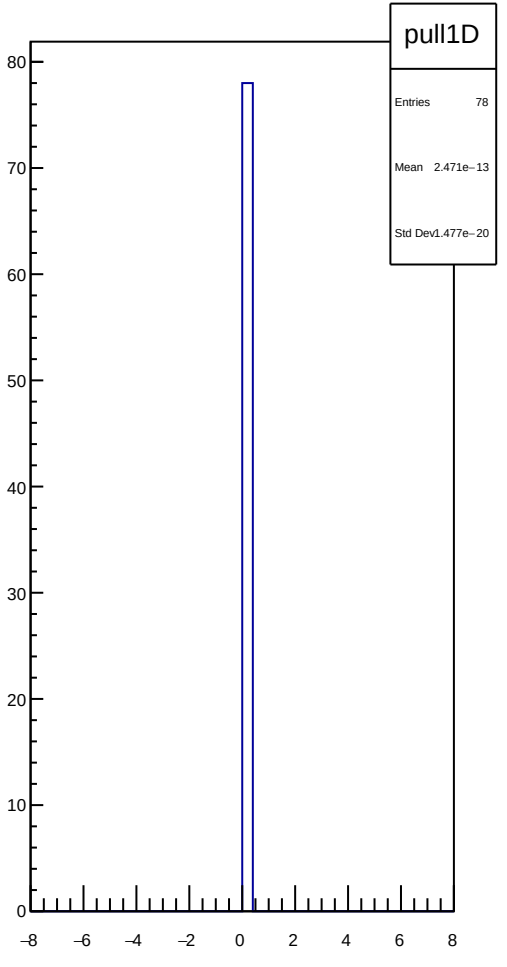

dit_sam5_4eX_slope vs run
χ² / ndf 2.707e−29 / 77
p0 −2.475 ± 0.08536
pull
Entries 78
Mean 39
Std Dev 22.51

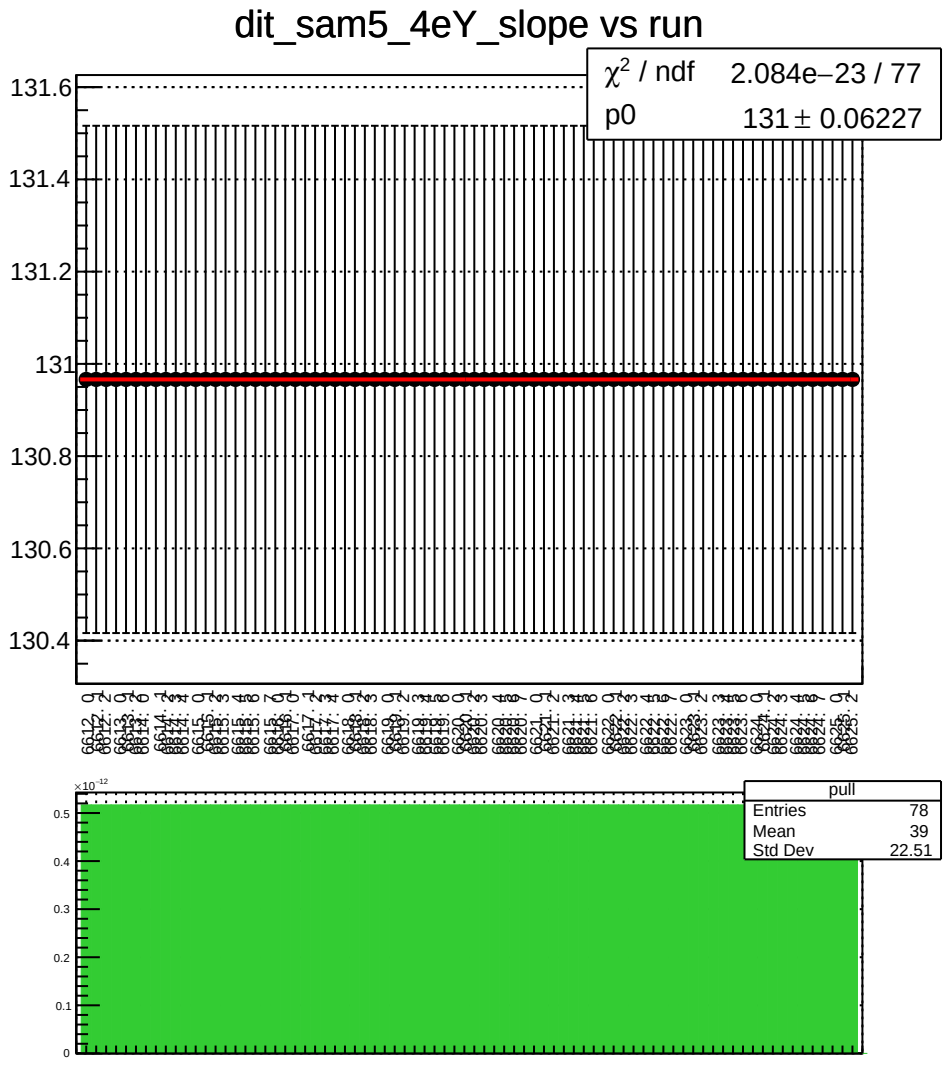

pull1D
Entries 78
Mean 5.891e−16
Std Dev 2.728e−23

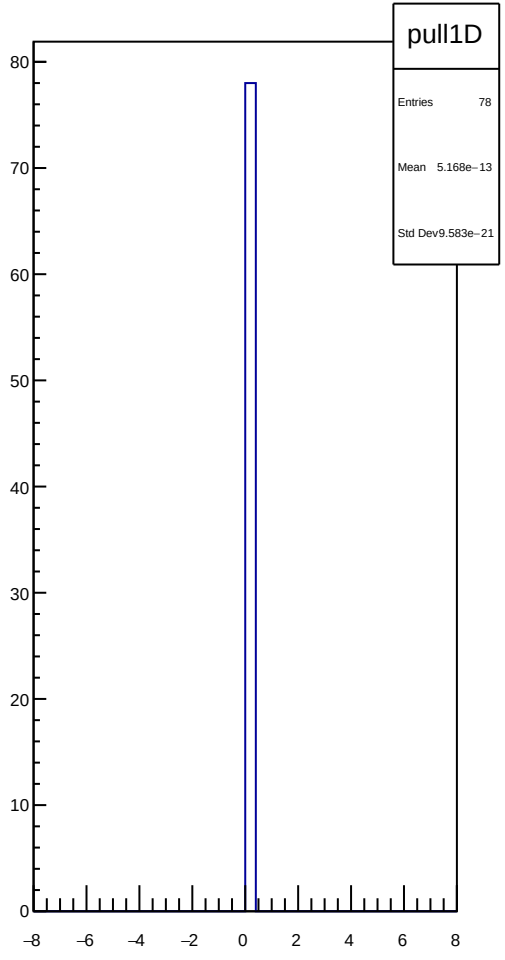

dit_sam5_11X12X_slope vs run
χ² / ndf 1.576e−26 / 77
p0 0.3472 ± 0.002211
0.37
0.365
0.36
0.355
0.35
0.345
0.34
0.335
0.33
0.325
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14

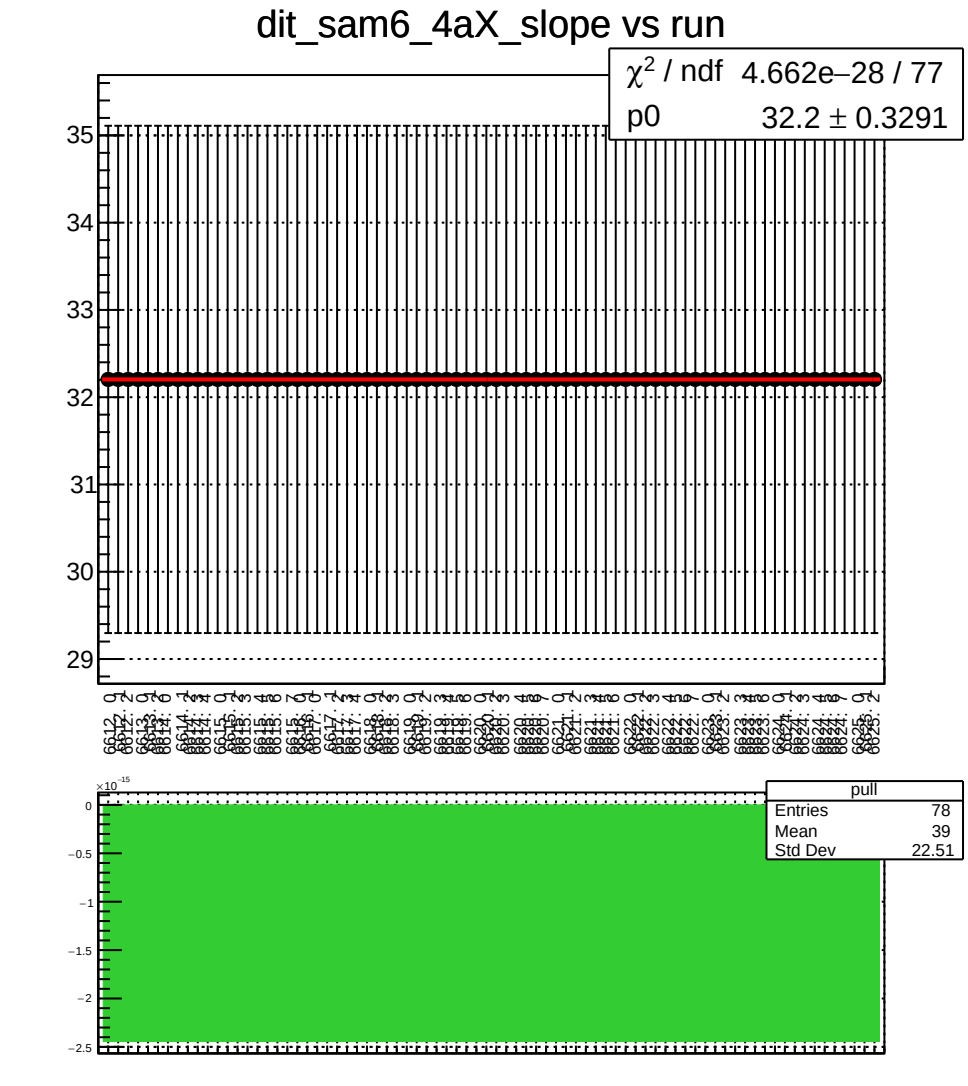

pull1D
Entries 78
Mean −1.421e−14
Std Dev 5.989e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

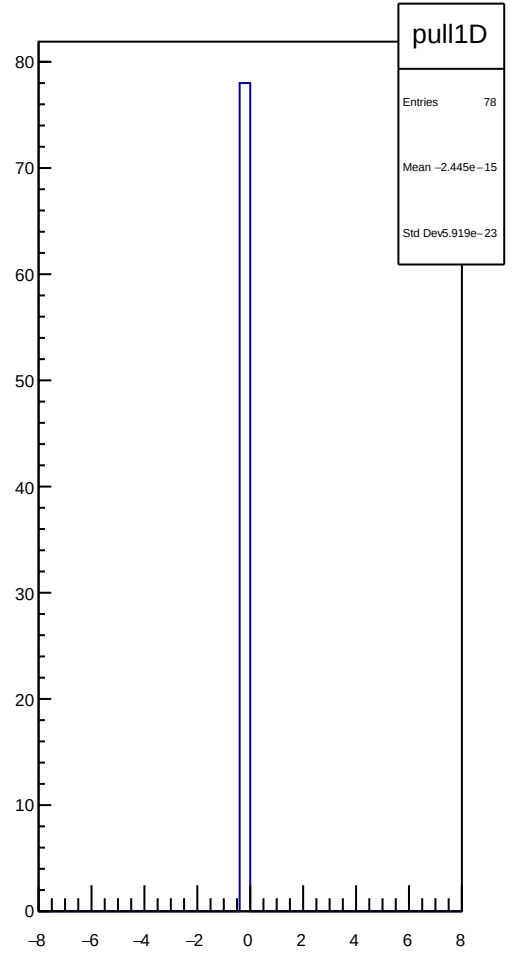

dit_sam5_4aY_slope vs run
χ² / ndf 4.762e−24 / 77
p0 32.47 ± 0.02279
32.7
32.65
32.6
32.55
32.5
32.45
32.4
32.35
32.3
32.25
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0.25
0.2
0.15
0.1
0.05
0

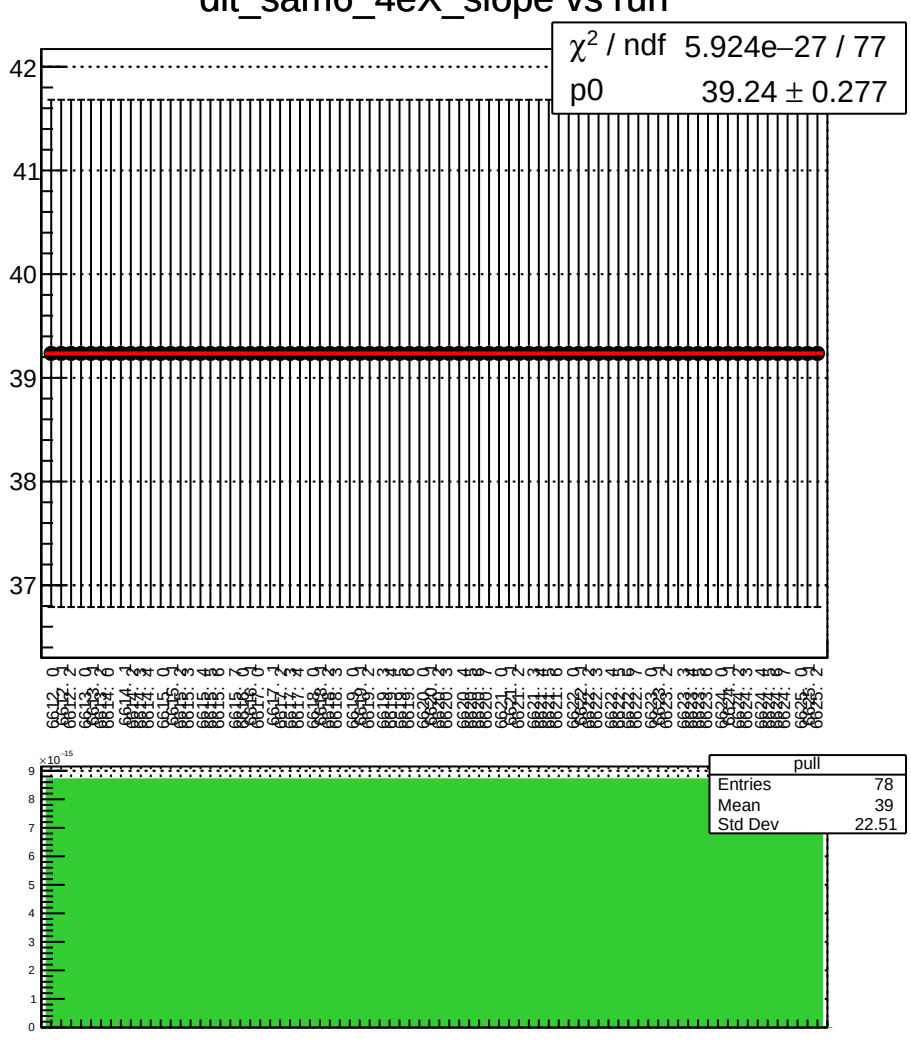

pull1D
Entries 78
Mean 2.471e−13
Std Dev1.477e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

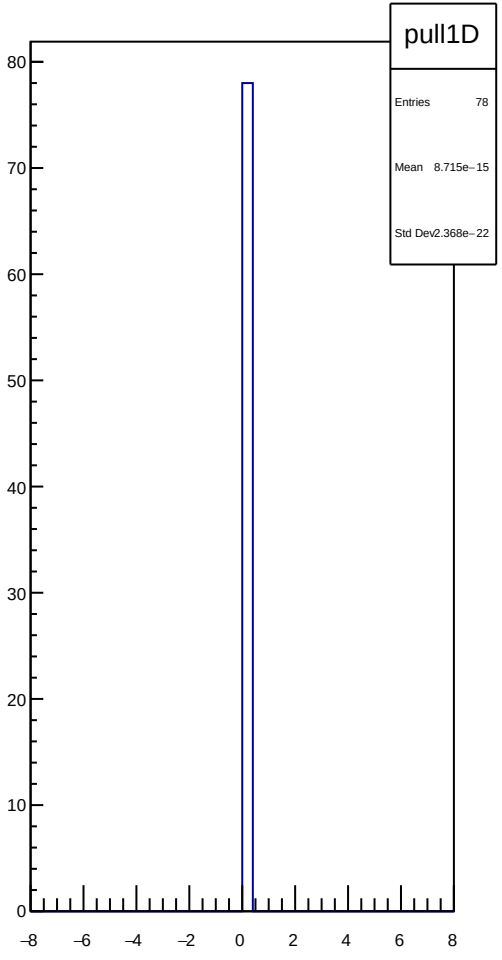

dit_sam5_4eY_slope vs run
χ^2 / ndf 2.084e−23 / 77
p0 131 ± 0.06227
131.6
131.4
131.2
131
130.8
130.6
130.4
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0.5
0.4
0.3
0.2
0.1
0

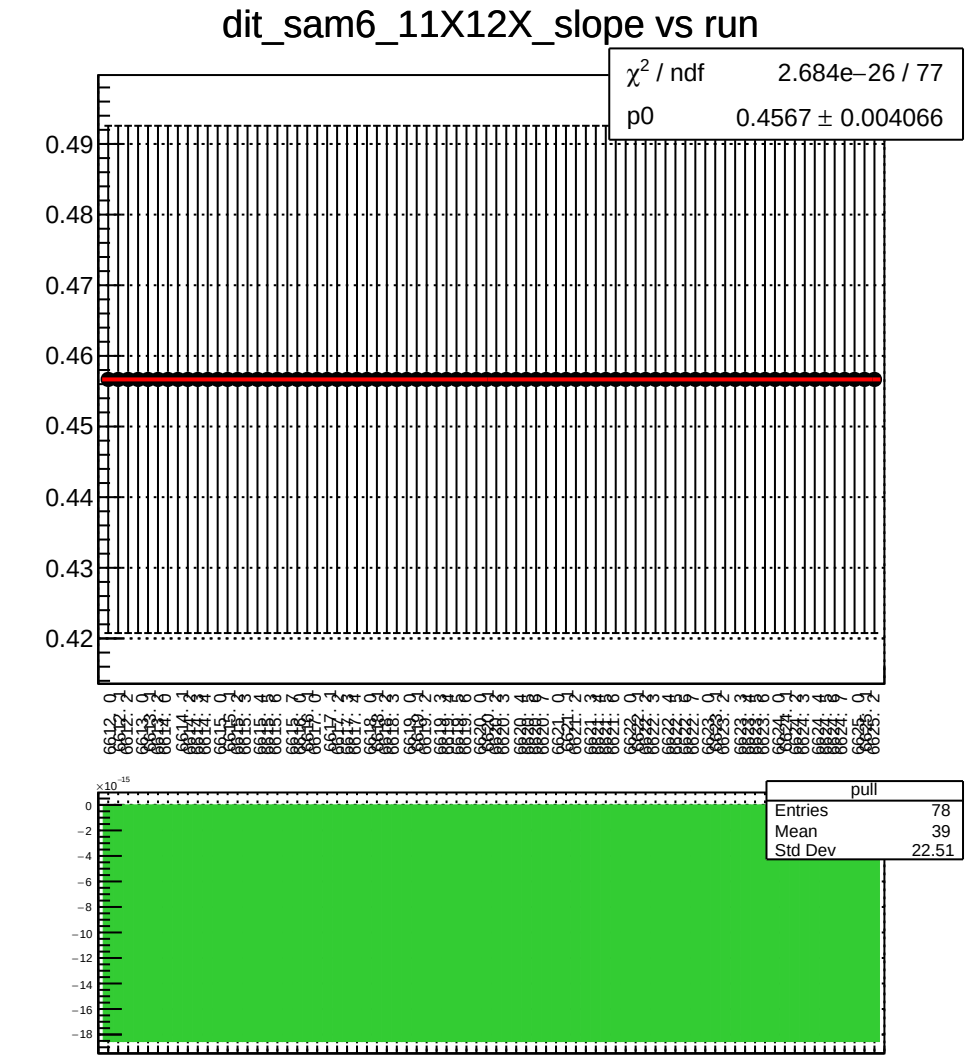

pull1D
Entries 78
Mean 5.168e−13
Std Dev9.583e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

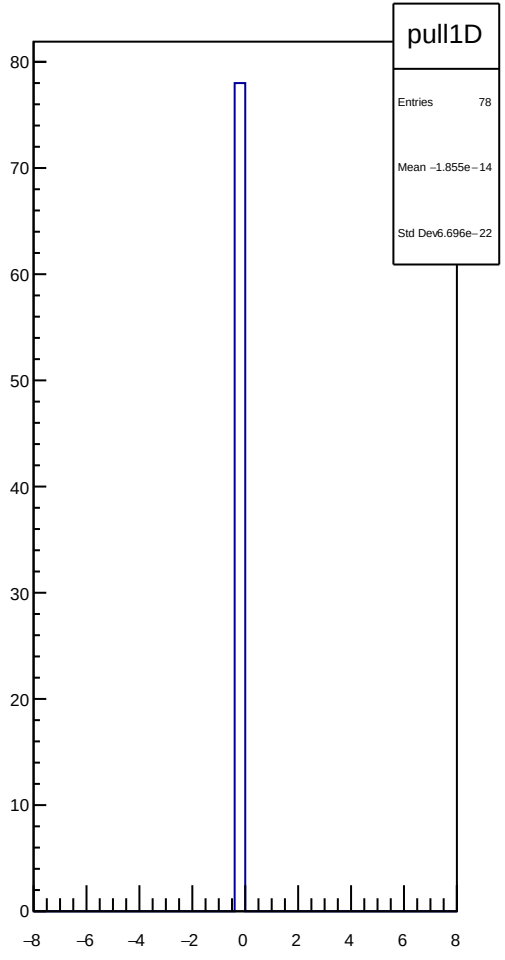

dit_sam6_4aX_slope vs run
χ² / ndf 4.662e−28 / 77
p0 32.2 ± 0.3291
35
34
33
32
31
30
29
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5

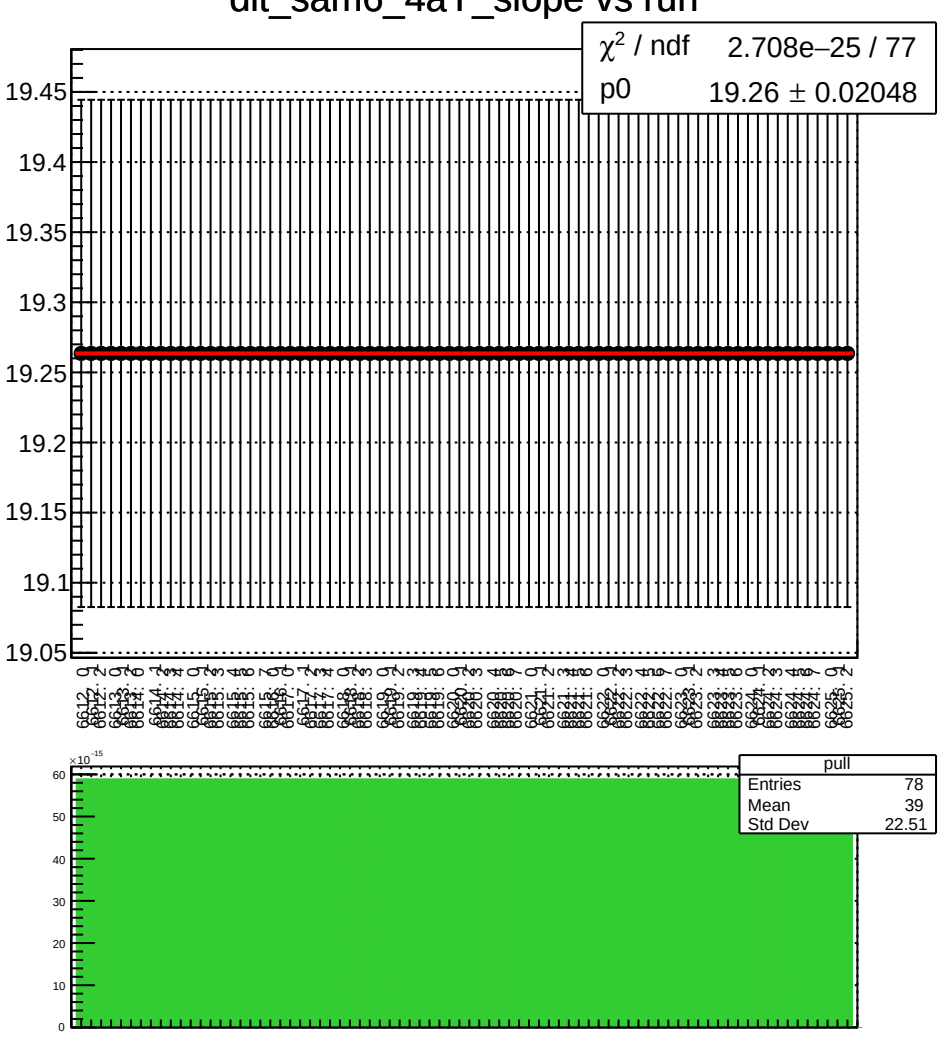

pull1D
Entries 78
Mean −2.445e−15
Std Dev 5.919e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

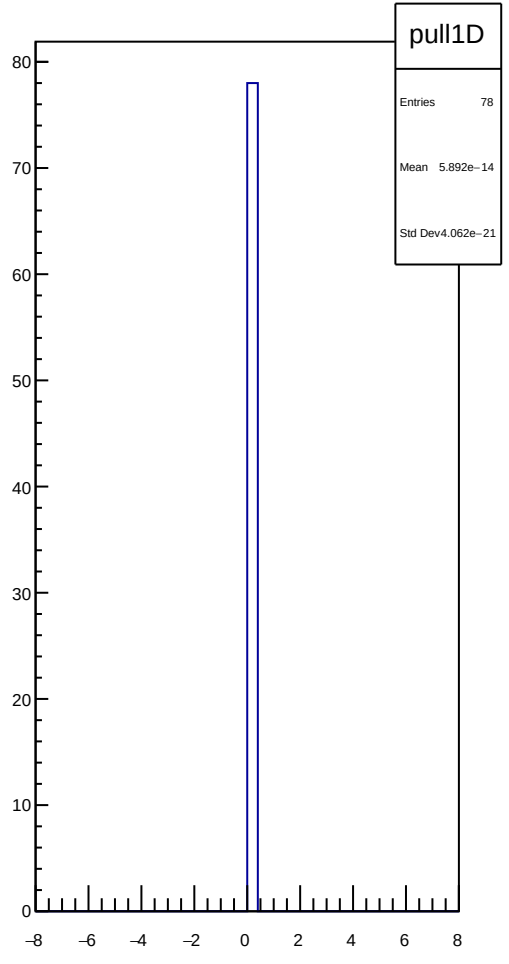

dit_sam6_4eX_slope vs run
χ² / ndf 5.924e−27 / 77
p0 39.24 ± 0.277
pull
Entries 78
Mean 39
Std Dev 22.51

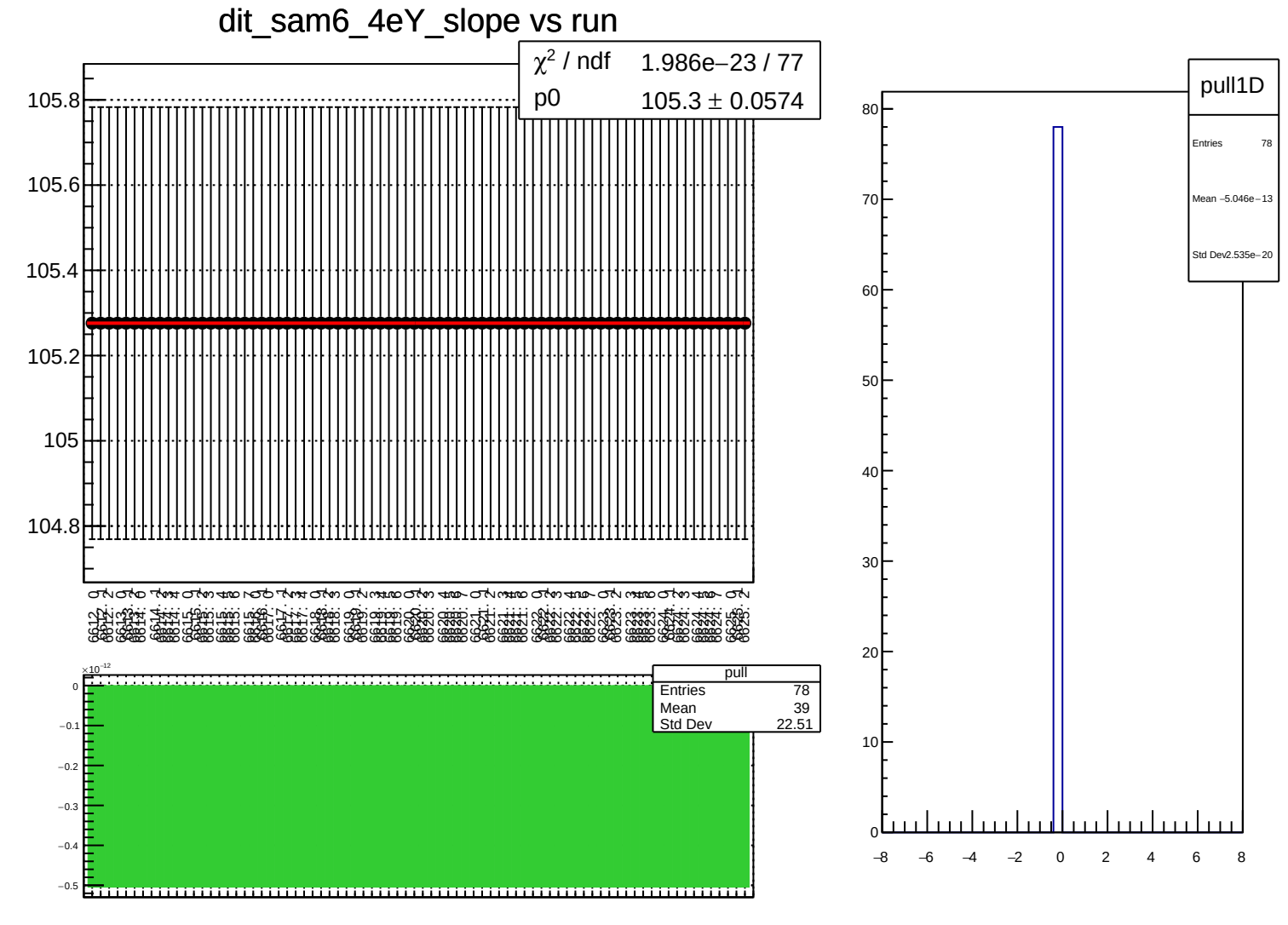

pull1D
Entries 78
Mean 8.715e−15
Std Dev 2.368e−22

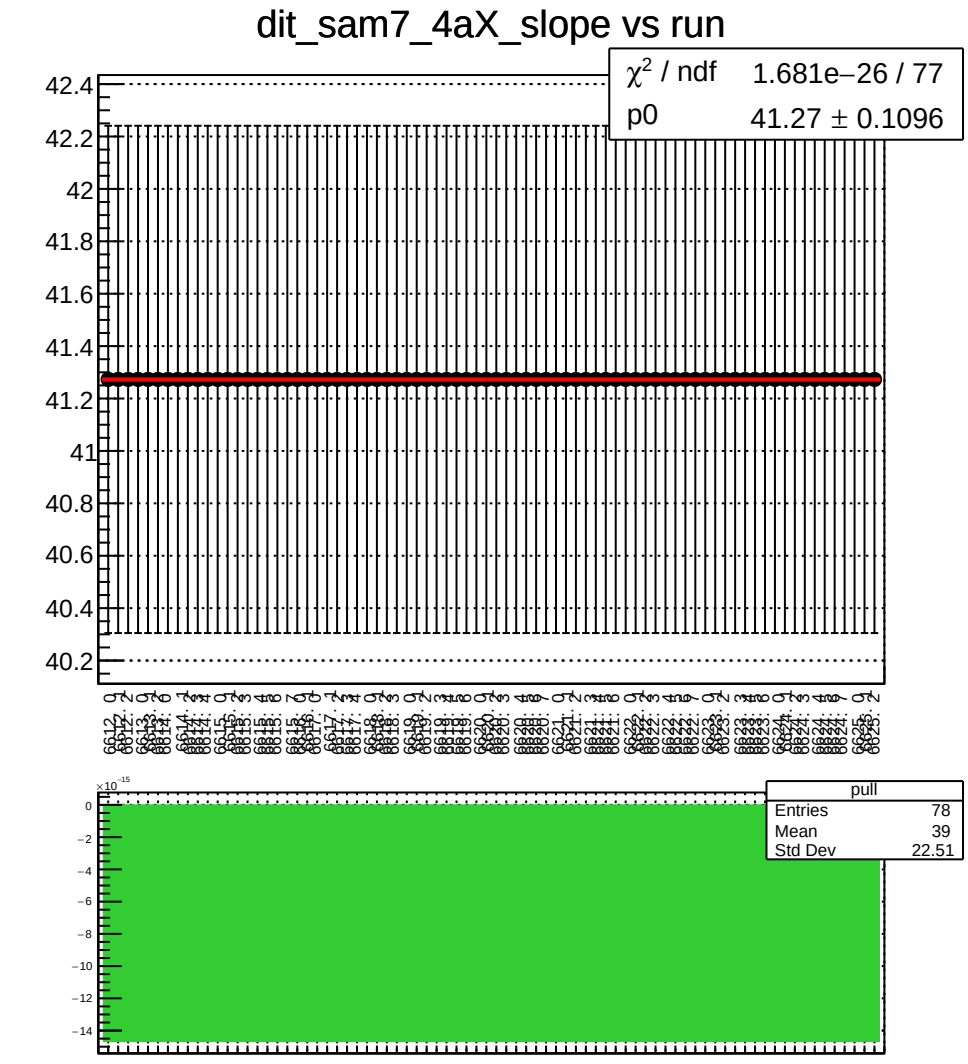

dit_sam6_11X12X_slope vs run
χ² / ndf 2.684e−26 / 77
p0 0.4567 ± 0.004066
0.49
0.48
0.47
0.46
0.45
0.44
0.43
0.42
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
−18

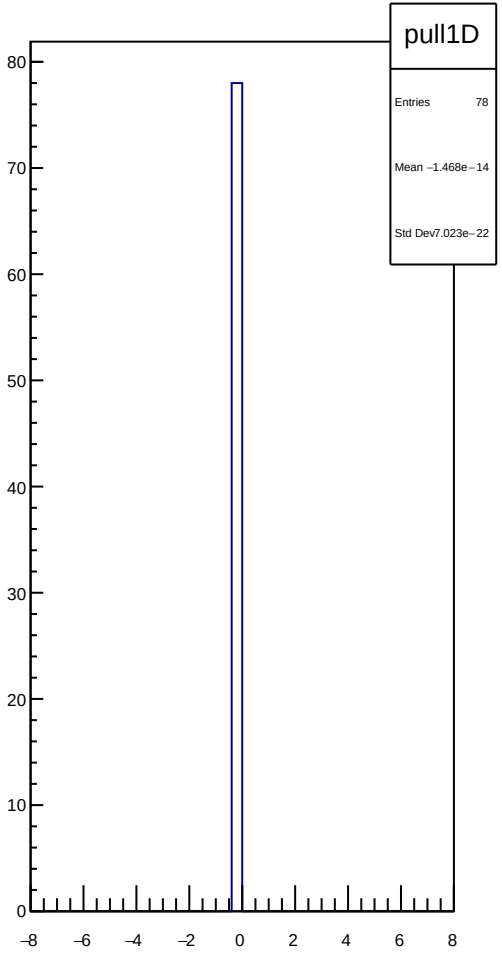

pull1D
Entries 78
Mean −1.855e−14
Std Dev 6.696e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

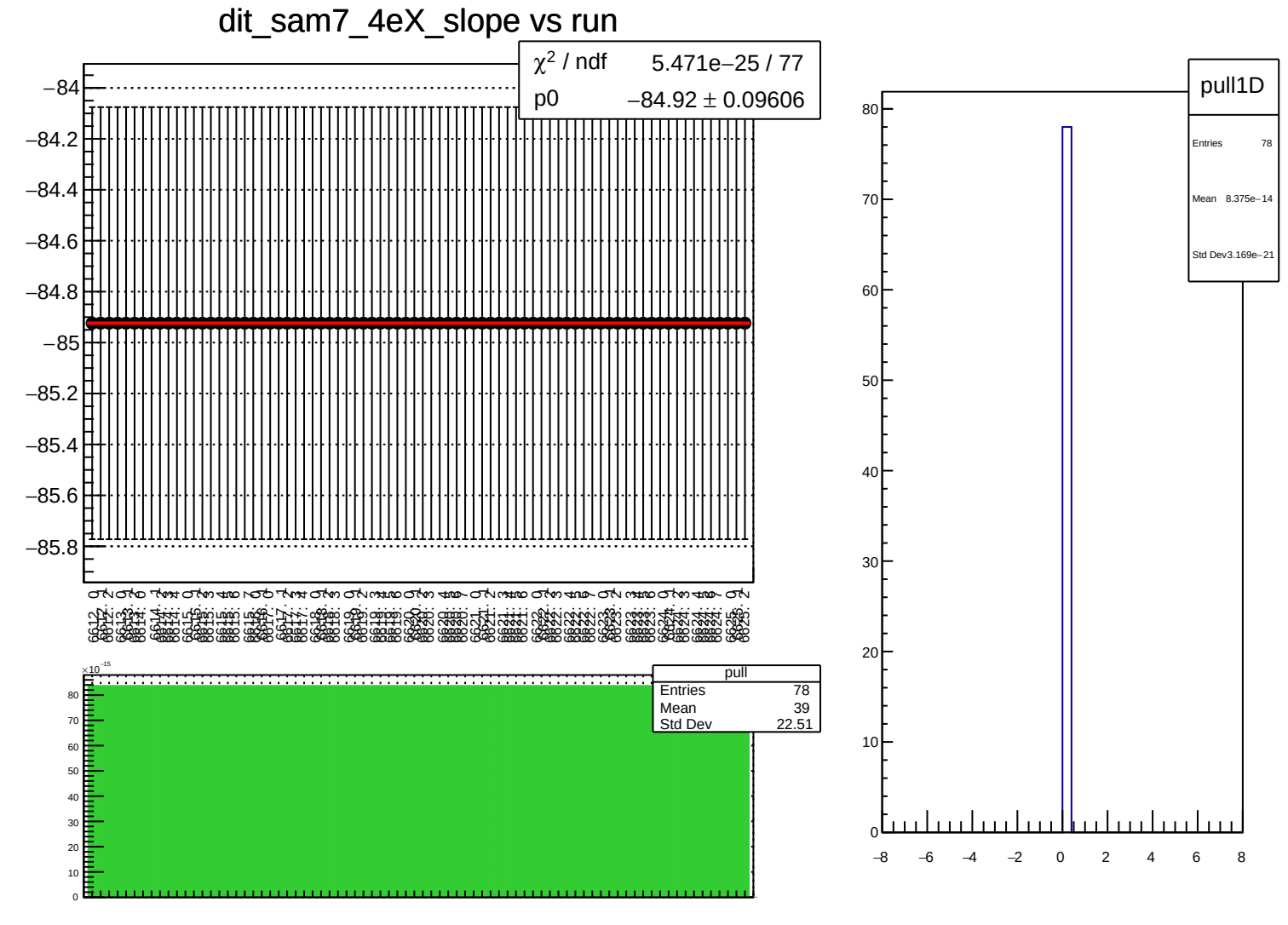

dit_sam6_4aY_slope vs run
χ² / ndf 2.708e−25 / 77
p0 19.26 ± 0.02048
19.45
19.4
19.35
19.3
19.25
19.2
19.15
19.1
19.05
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
60
50
40
30
20
10
0

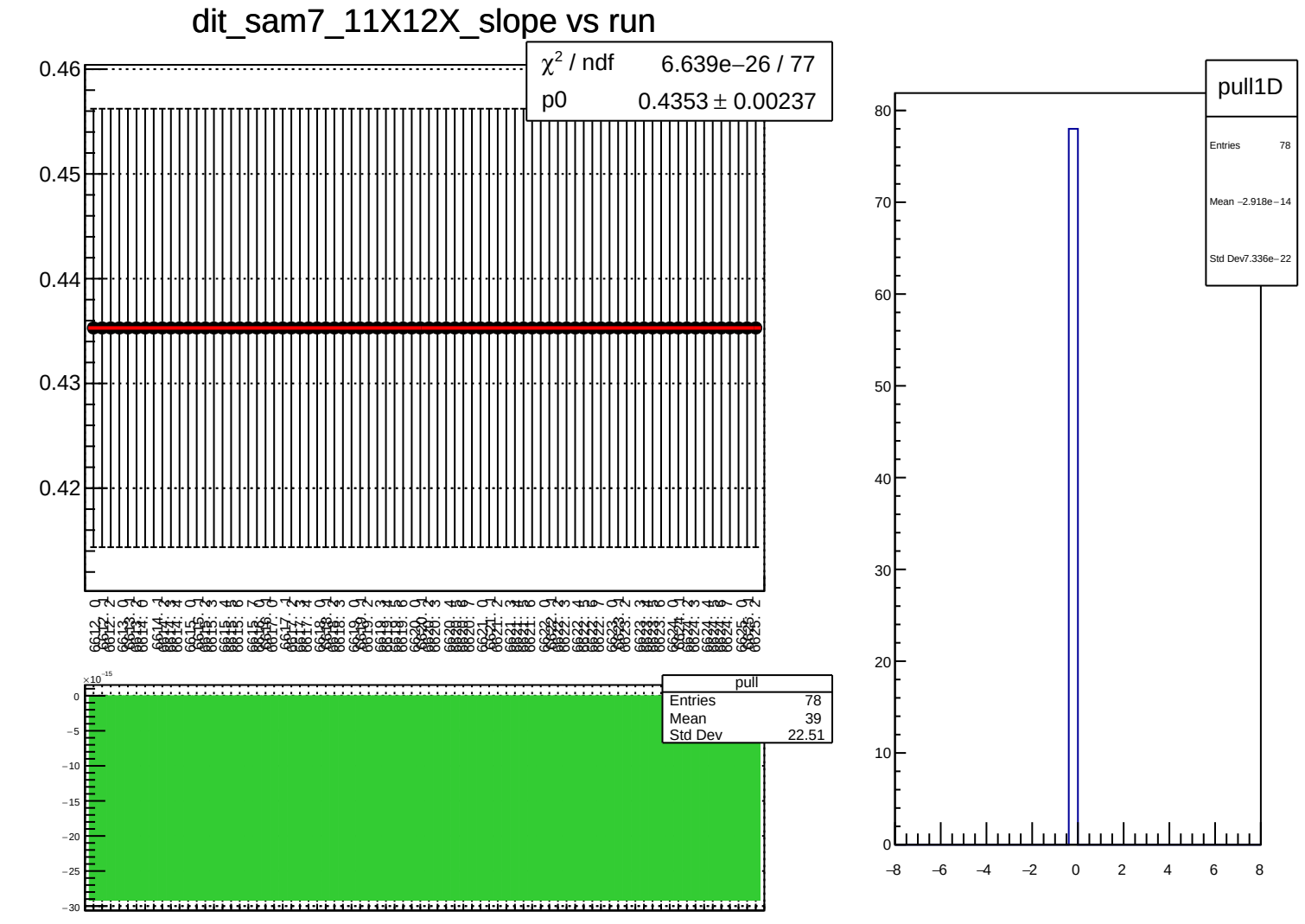

pull1D
Entries 78
Mean 5.892e−14
Std Dev4.062e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

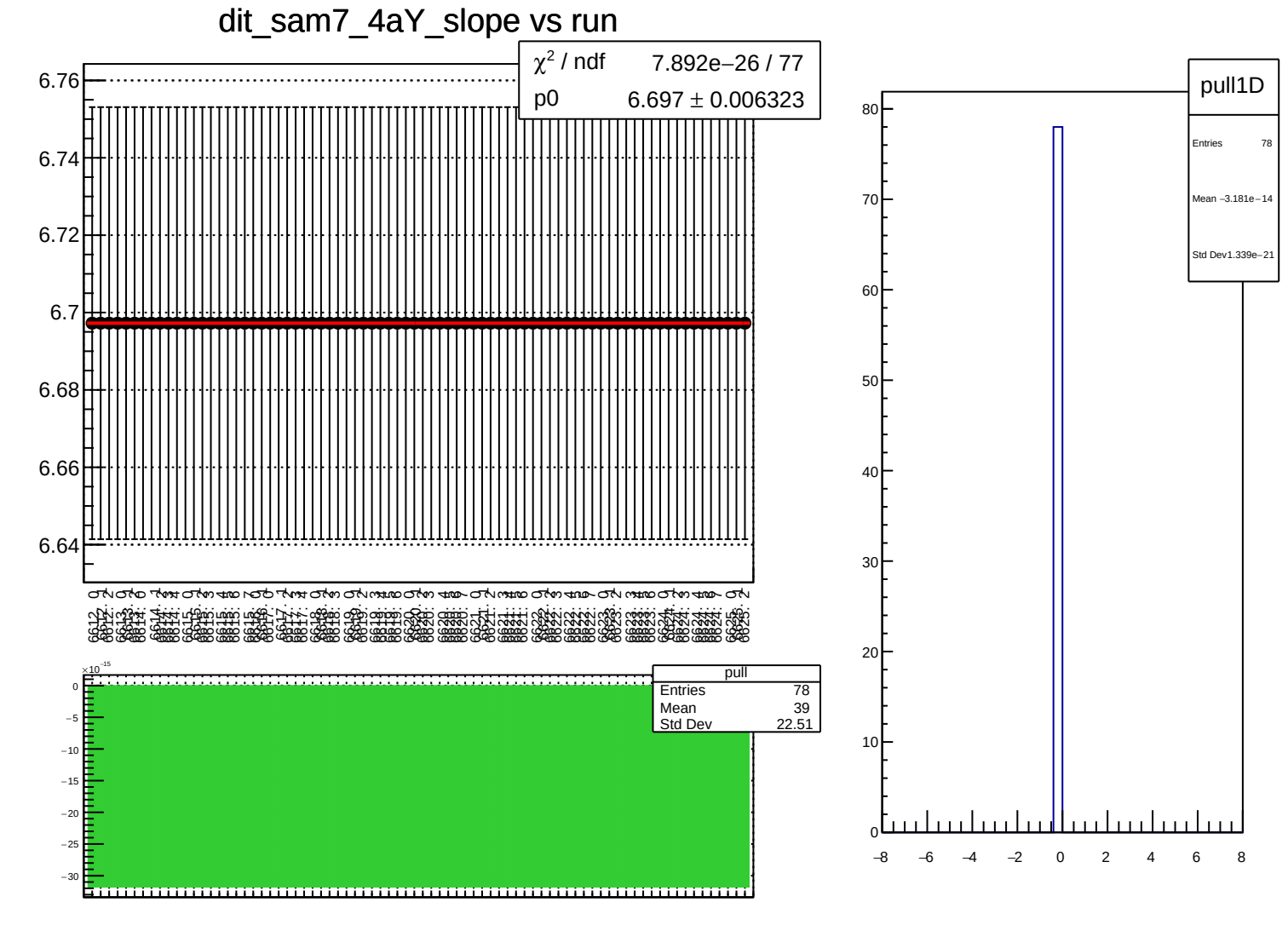

dit_sam6_4eY_slope vs run
χ² / ndf 1.986e−23 / 77
p0 105.3 ± 0.0574
105.8
105.6
105.4
105.2
105
104.8
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
pull1D
Entries 78
Mean −5.046e−13
Std Dev 2.535e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

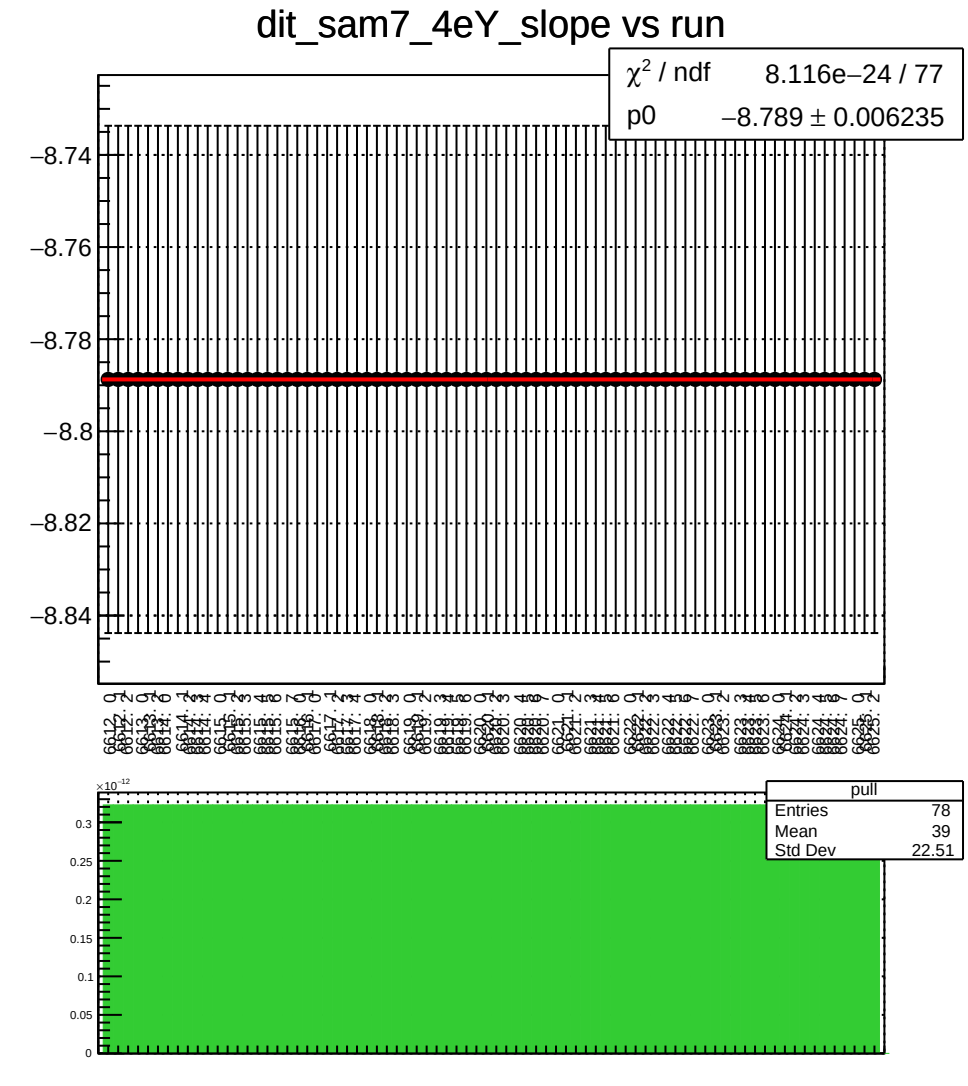

dit_sam7_4aX_slope vs run
χ² / ndf 1.681e−26 / 77
p0 41.27 ± 0.1096
pull
Entries 78
Mean 39
Std Dev 22.51

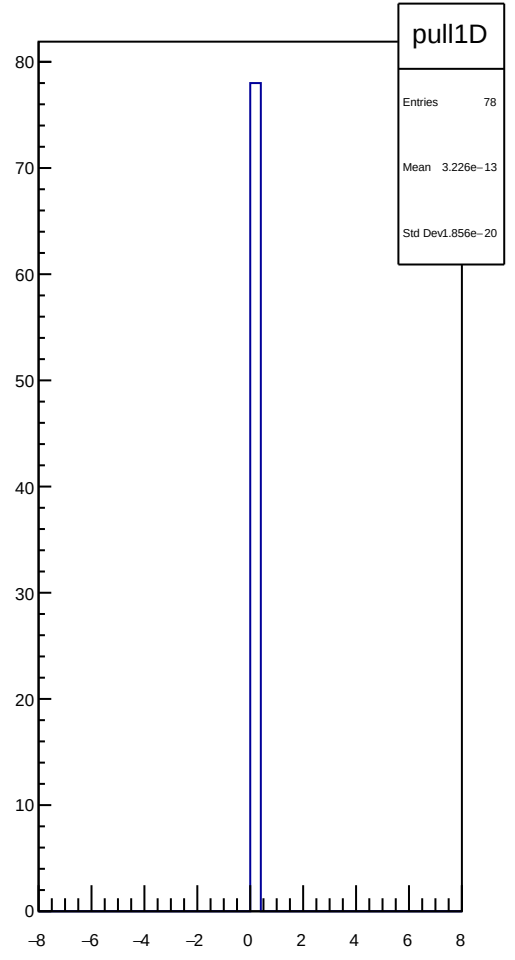

pull1D
Entries 78
Mean −1.468e−14
Std Dev7.023e−22

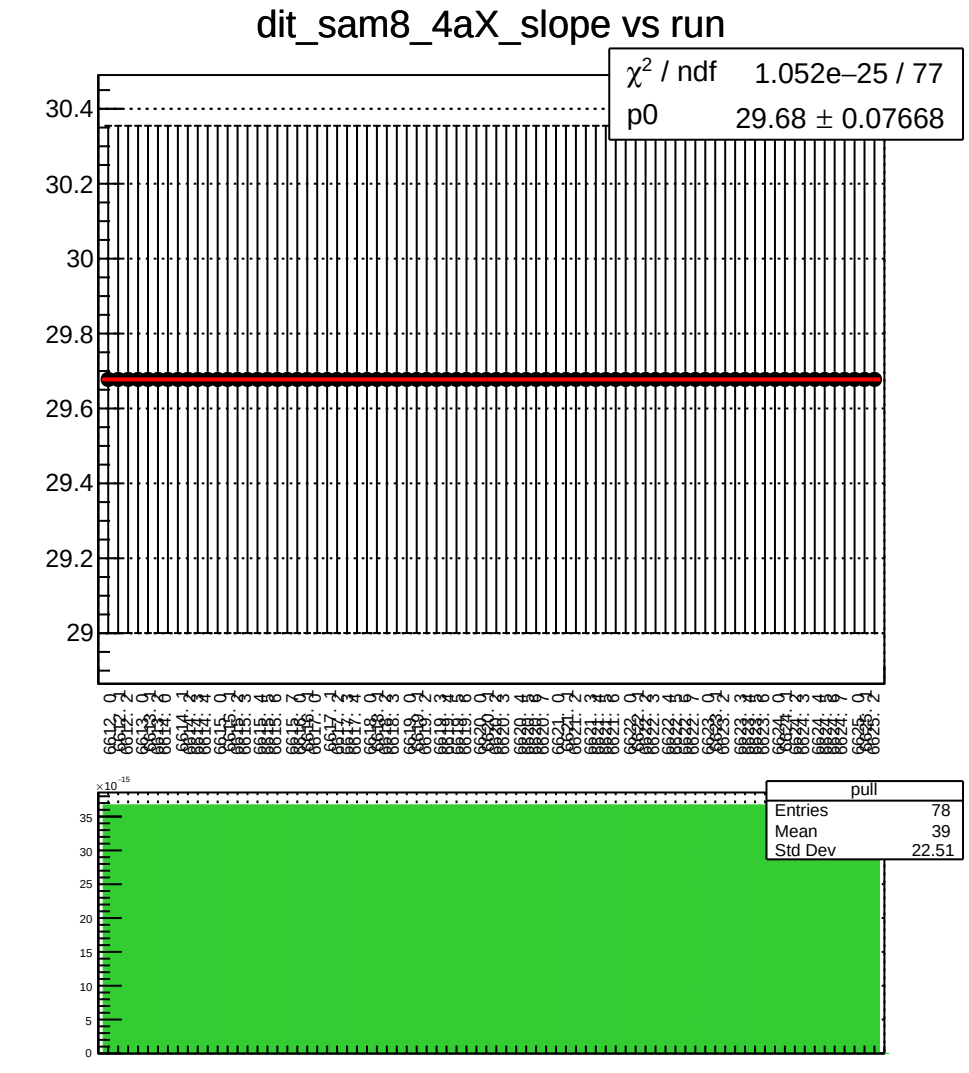

dit_sam7_4eX_slope vs run
χ² / ndf 5.471e−25 / 77
p0 −84.92 ± 0.09606
−84
−84.2
−84.4
−84.6
−84.8
−85
−85.2
−85.4
−85.6
−85.8
pull
Entries 78
Mean 39
Std Dev 22.51
pull1D
Entries 78
Mean 8.375e−14
Std Dev3.169e−21

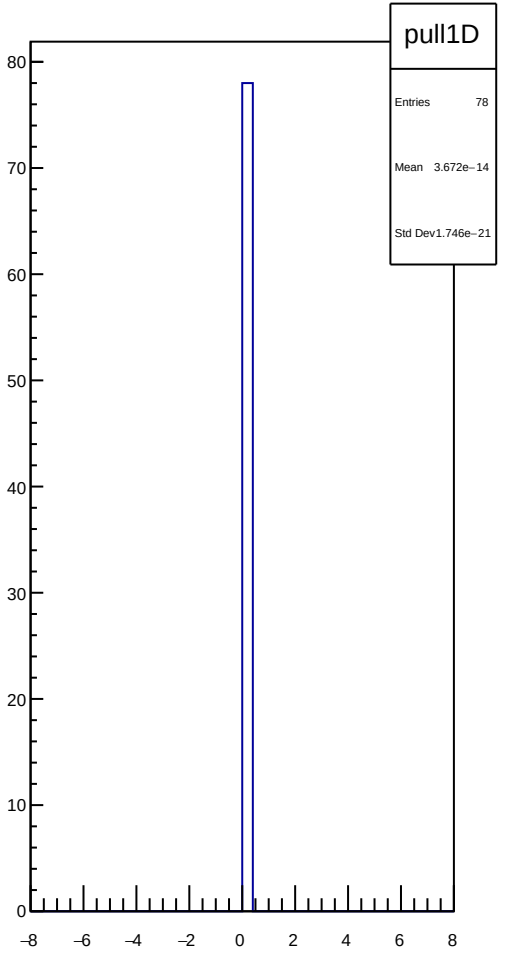

dit_sam7_11X12X_slope vs run
χ² / ndf 6.639e−26 / 77
p0 0.4353 ± 0.00237
0.46
0.45
0.44
0.43
0.42
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
pull1D
Entries 78
Mean −2.918e−14
Std Dev7.336e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam7_4aY_slope vs run
χ² / ndf 7.892e−26 / 77
p0 6.697 ± 0.006323
6.76
6.74
6.72
6.7
6.68
6.66
6.64
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
pull1D
Entries 78
Mean −3.181e−14
Std Dev1.339e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam7_4eY_slope vs run
χ² / ndf 8.116e−24 / 77
p0 −8.789 ± 0.006235
−8.74
−8.76
−8.78
−8.8
−8.82
−8.84
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0.3
0.25
0.2
0.15
0.1
0.05
0


pull1D
Entries 78
Mean 3.226e−13
Std Dev1.856e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam8_4aX_slope vs run
χ^2 / ndf 1.052e−25 / 77
p0 29.68 ± 0.07668
30.4
30.2
30
29.8
29.6
29.4
29.2
29
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
35
30
25
20
15
10
5
0


pull1D
Entries 78
Mean 3.672e−14
Std Dev1.746e−21
80
70
60
50
40
30
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10
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−6
−4
−2
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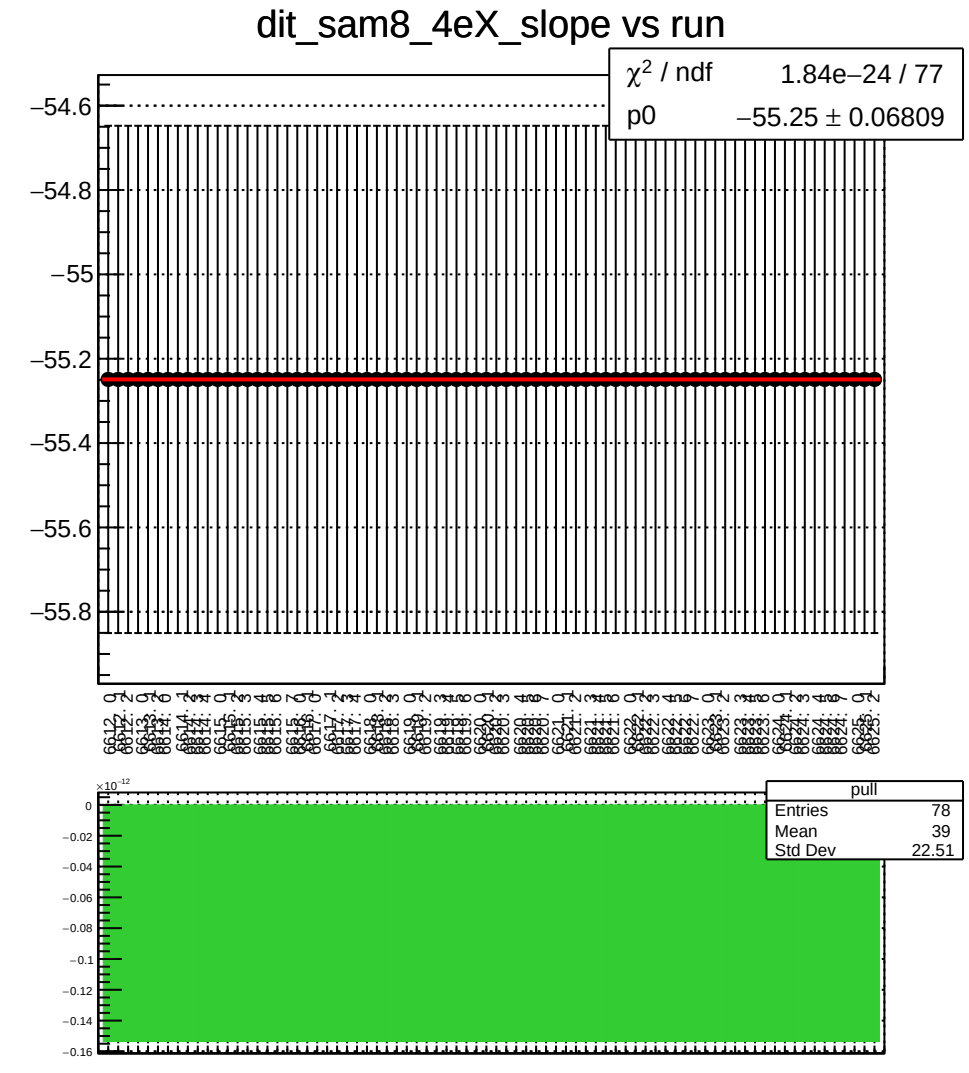
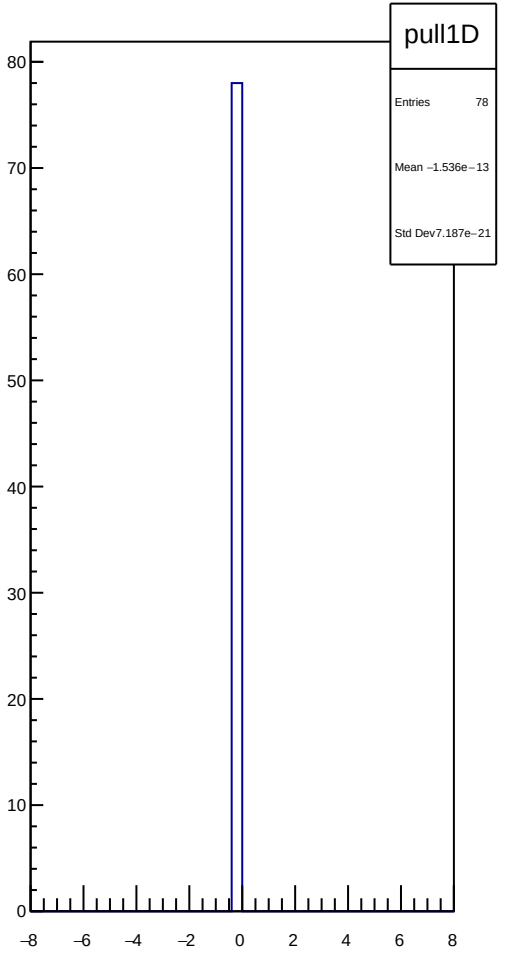
6
8


dit_sam8_4eX_slope vs run
χ² / ndf 1.84e−24 / 77
p0 −55.25 ± 0.06809
−54.6
−54.8
−55
−55.2
−55.4
−55.6
−55.8
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16


pull1D
Entries 78
Mean −1.536e−13
Std Dev7.187e−21
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70
60
50
40
30
20
10
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−6
−4
−2
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6
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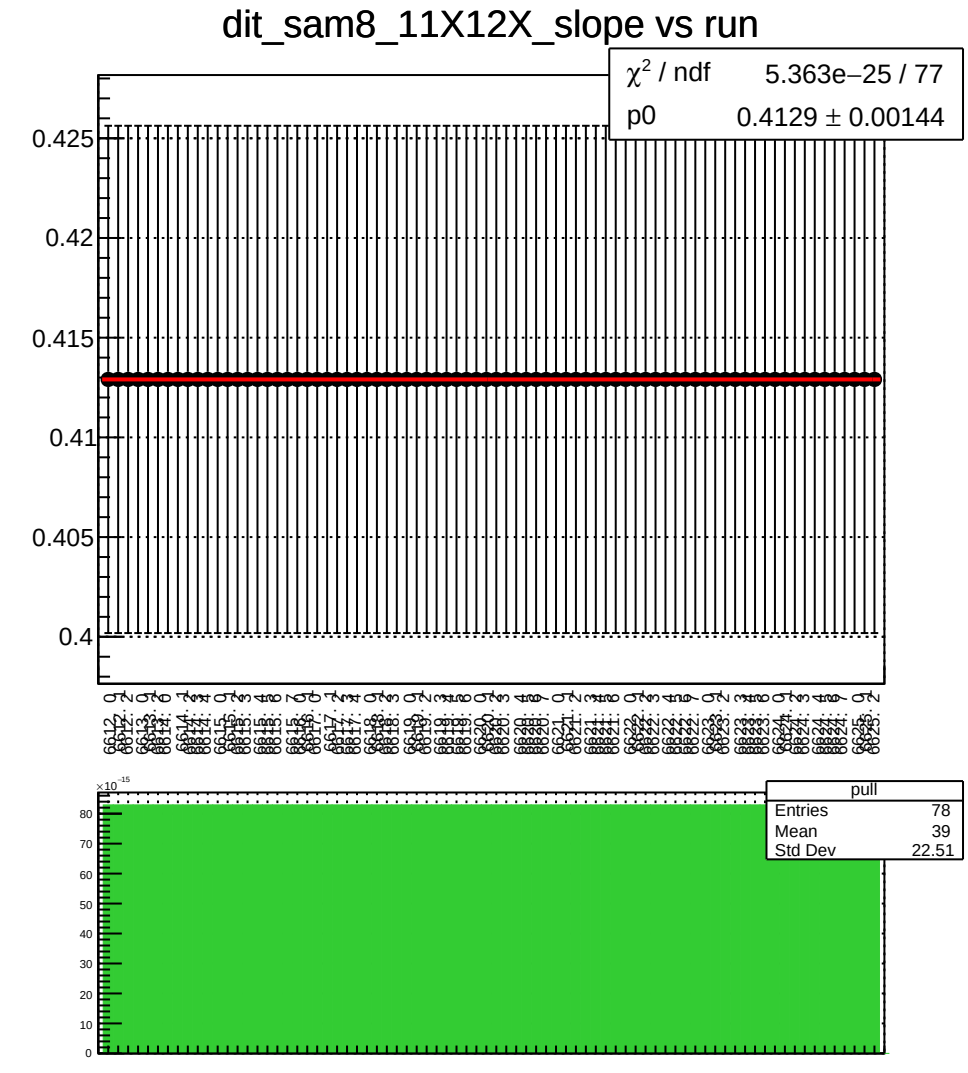
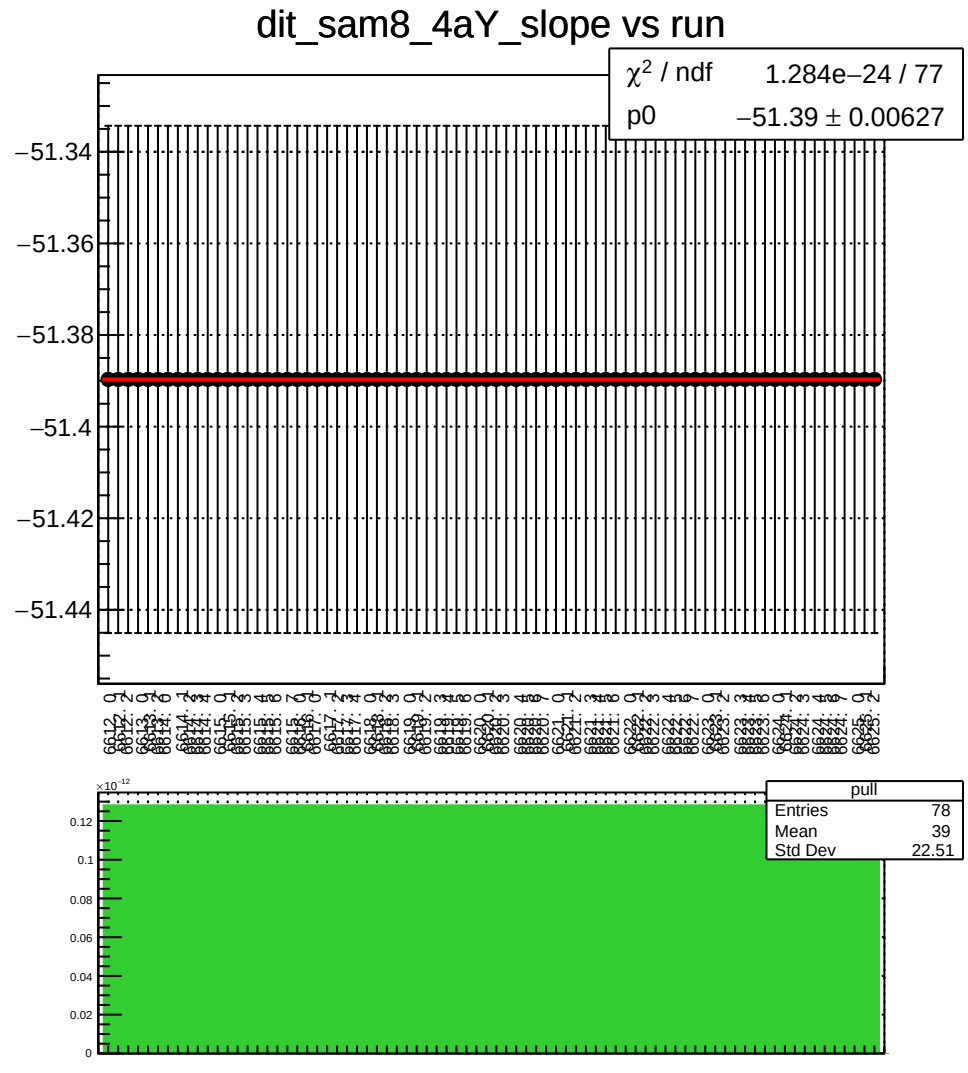
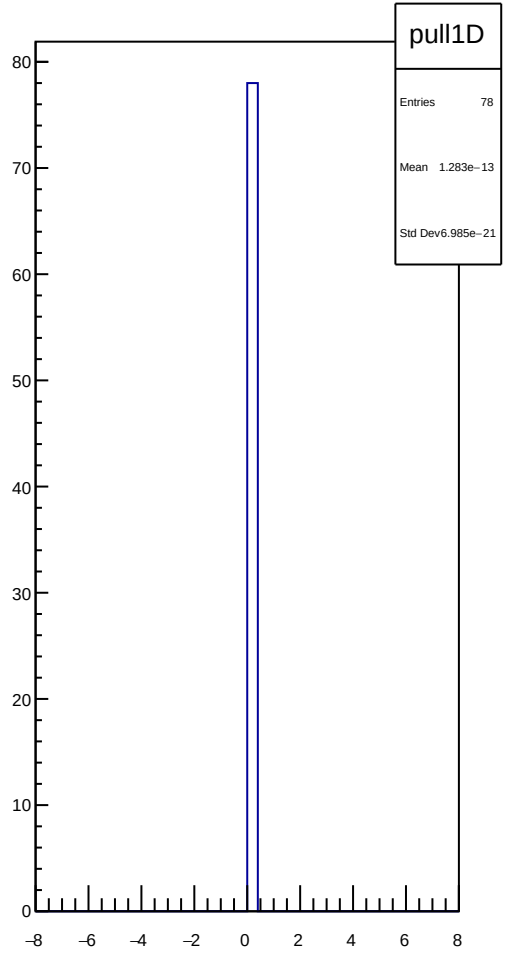

dit_sam8_11X12X_slope vs run
χ² / ndf 5.363e−25 / 77
p0 0.4129 ± 0.00144
0.425
0.42
0.415
0.41
0.405
0.4
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
pull1D
Entries 78
Mean 8.292e−14
Std Dev2.075e−21


dit_sam8_4aY_slope vs run
χ² / ndf 1.284e−24 / 77
p0 −51.39 ± 0.00627
−51.34
−51.36
−51.38
−51.4
−51.42
−51.44
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0.12
0.1
0.08
0.06
0.04
0.02
0


pull1D
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Mean 1.283e−13
Std Dev6.985e−21
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50
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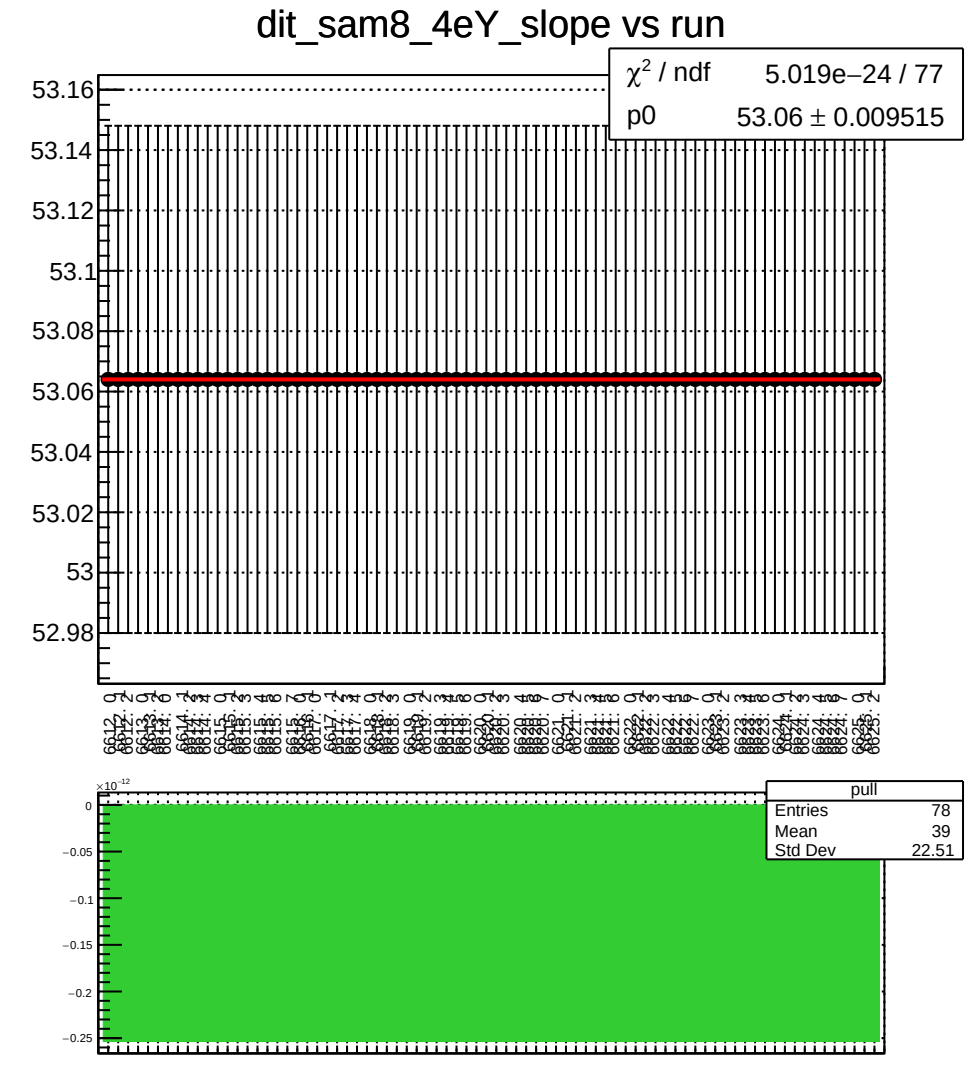
dit_sam8_4eY_slope vs run
χ² / ndf 5.019e−24 / 77
p0 53.06 ± 0.009515
53.16
53.14
53.12
53.1
53.08
53.06
53.04
53.02
53
52.98
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
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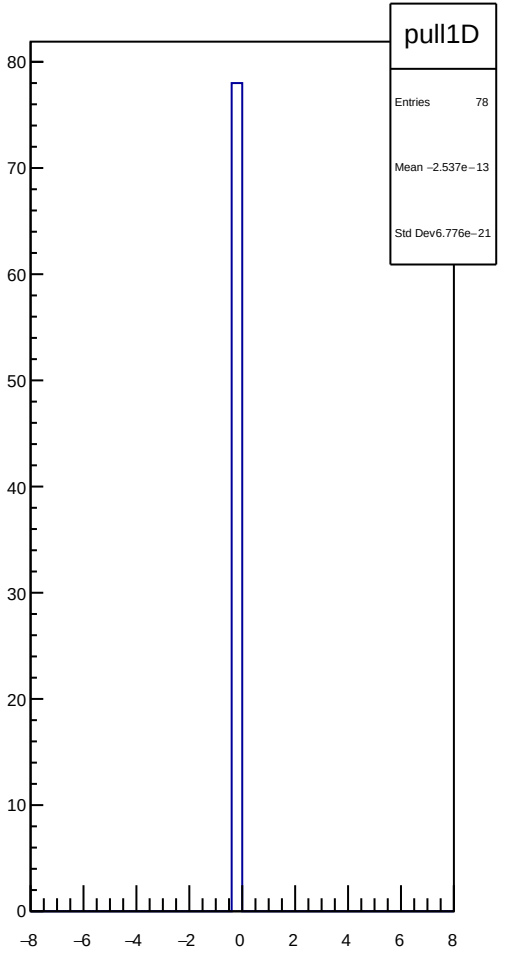
−0.1
−0.15
−0.2
−0.25


pull1D
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Std Dev6.776e−21
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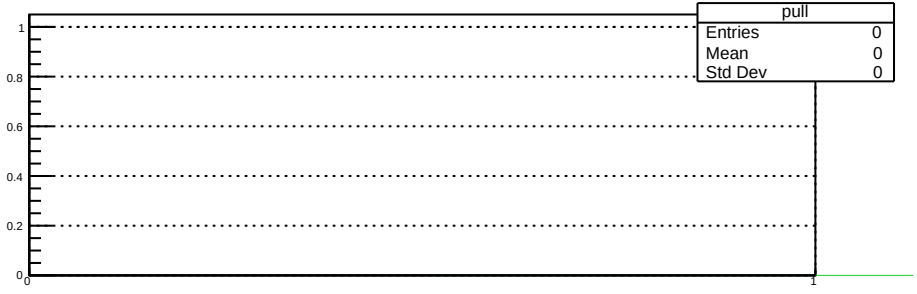
pull
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Mean 0
Std Dev 0
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0.4
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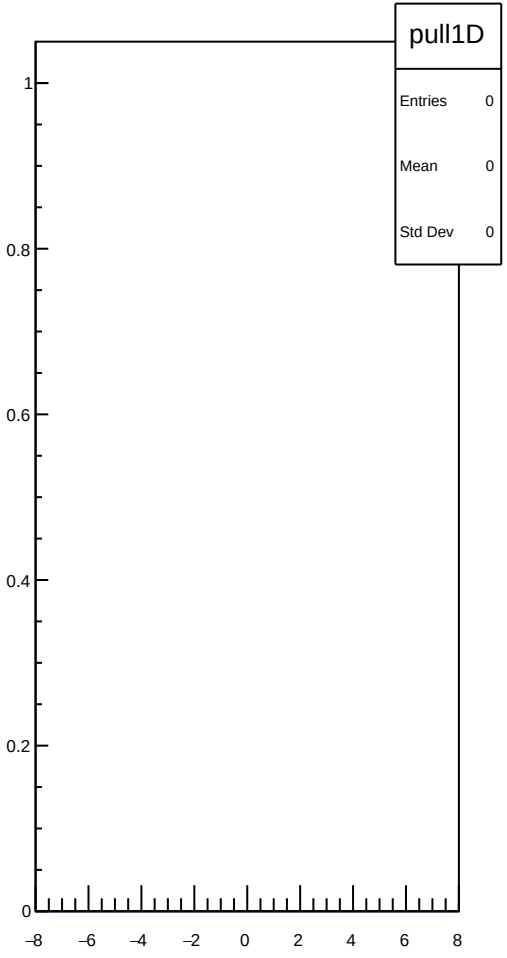
pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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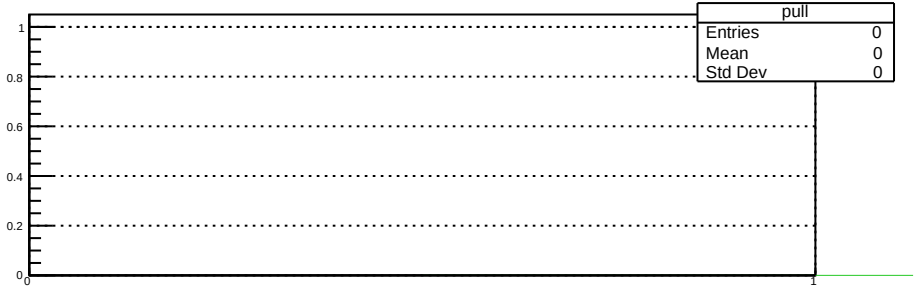
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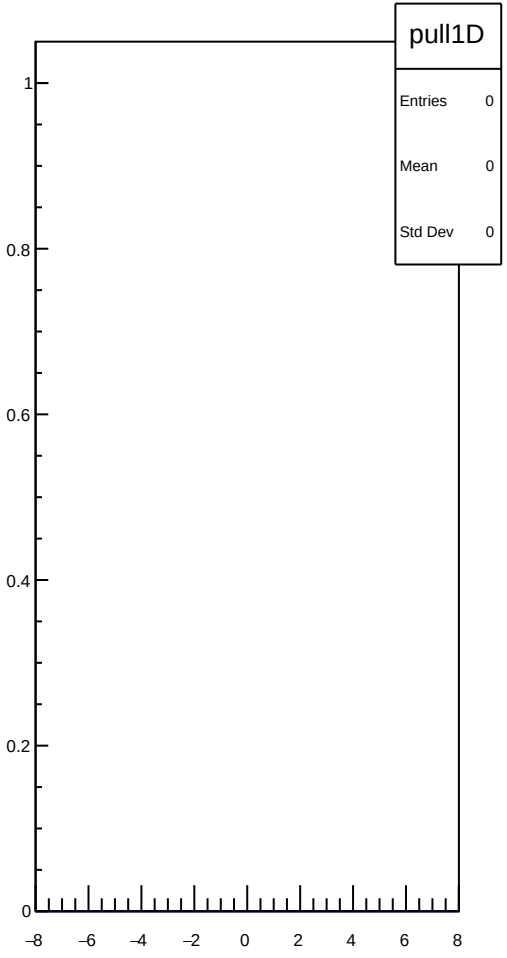
pull1D
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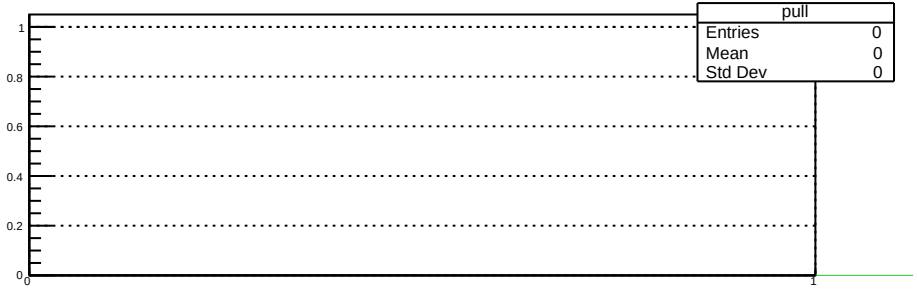
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Std Dev 0
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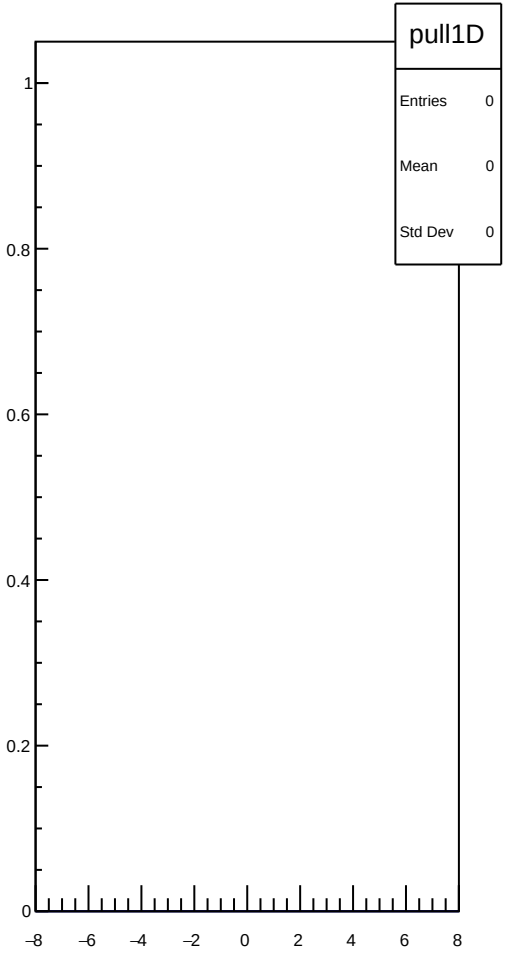
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Std Dev 0
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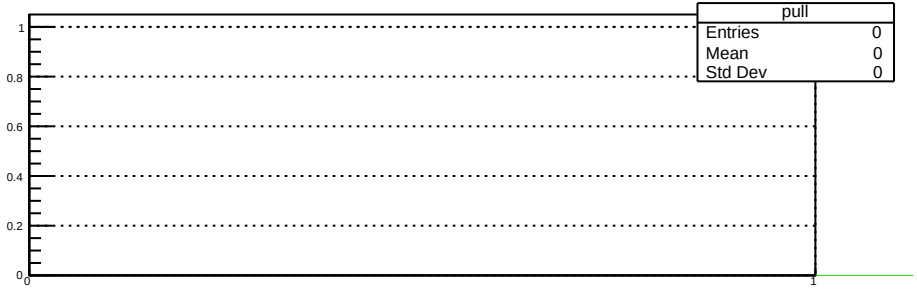
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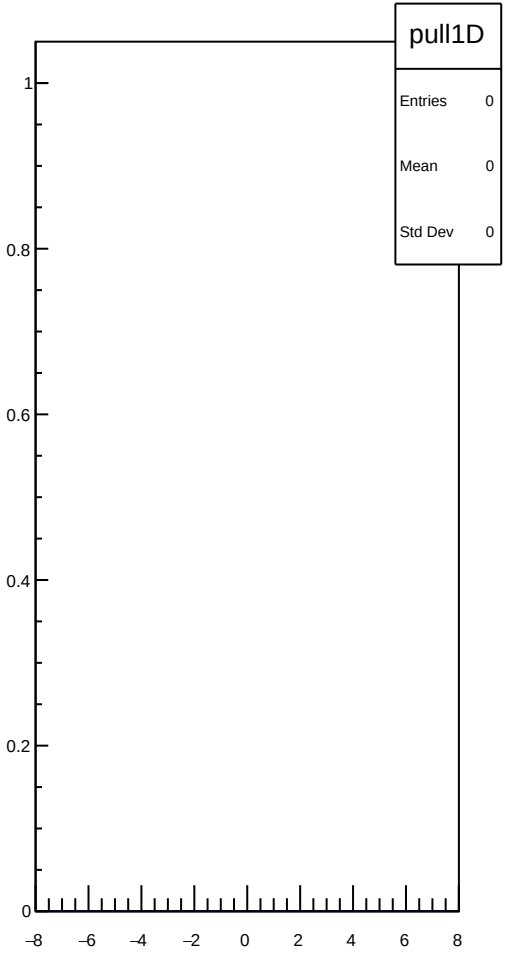
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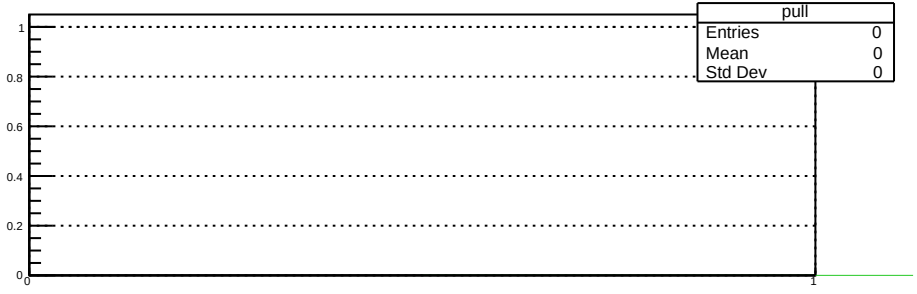
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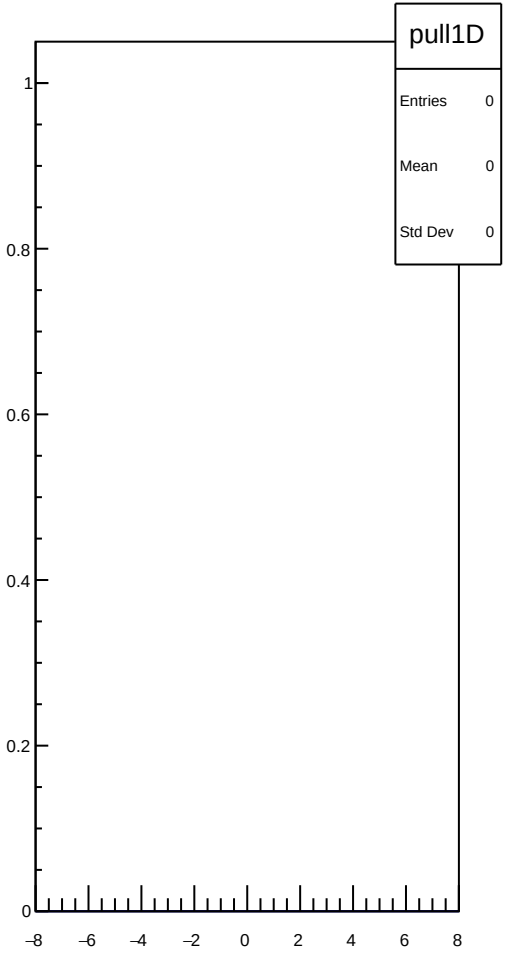
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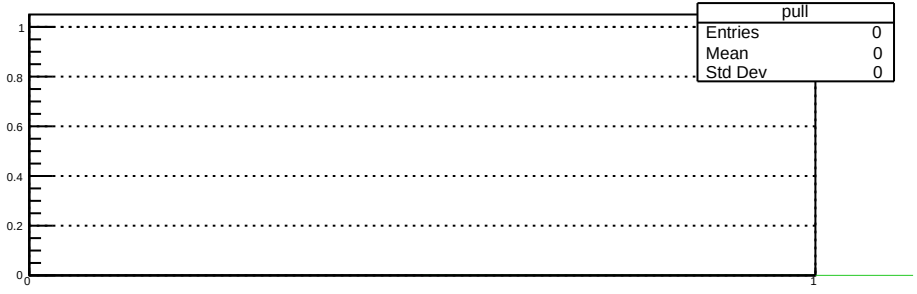
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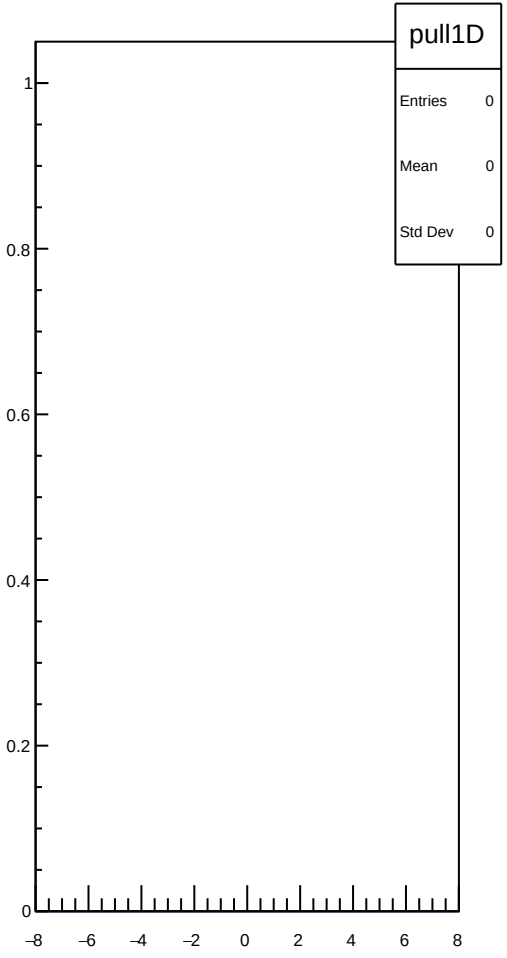
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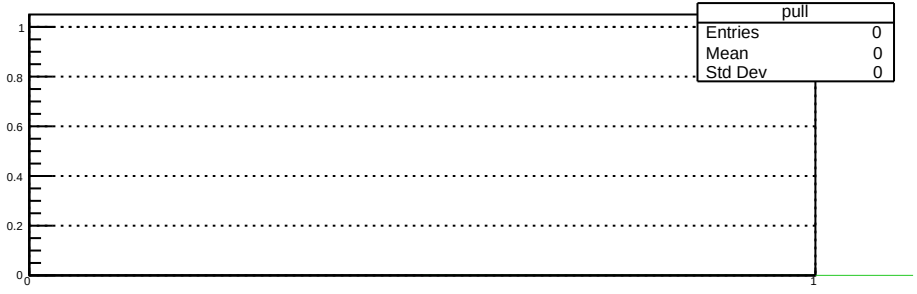
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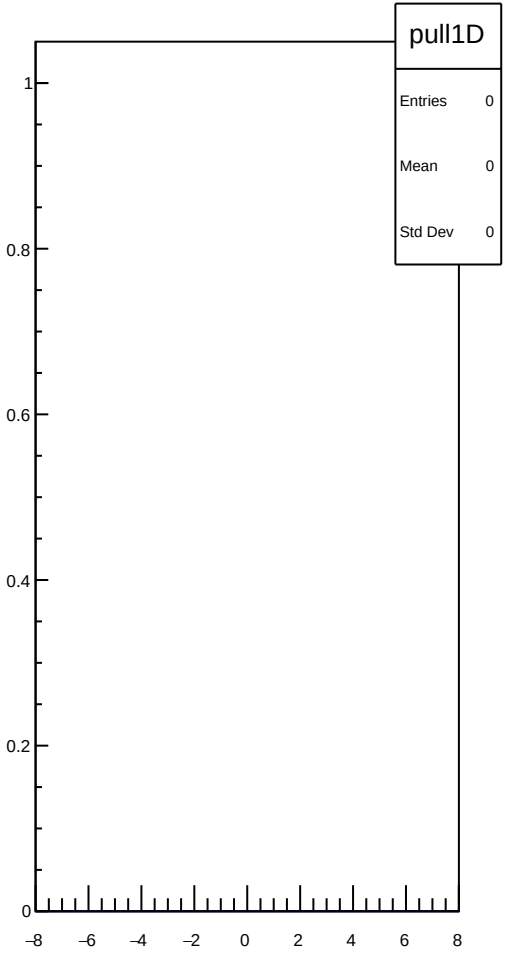
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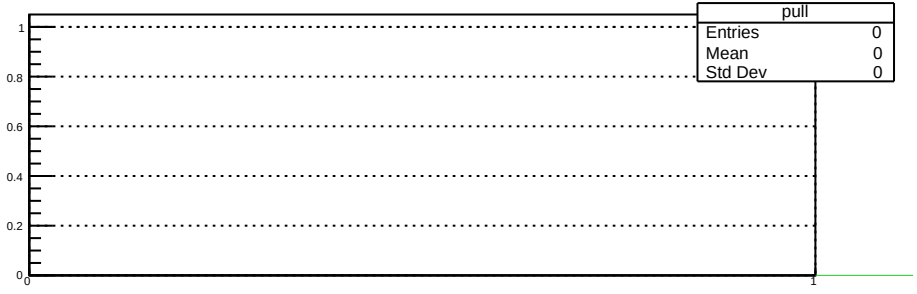
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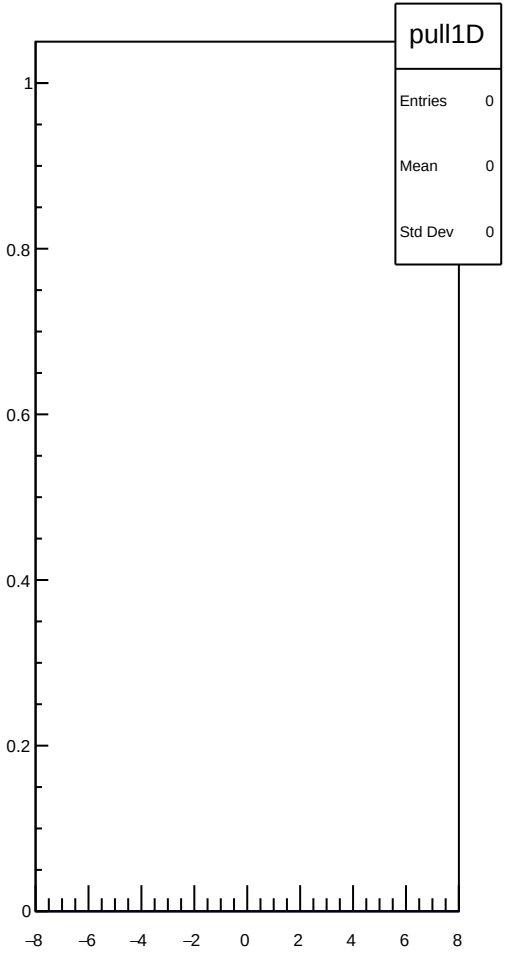
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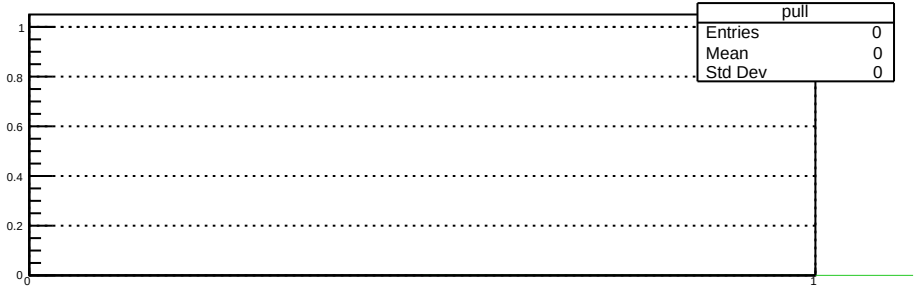
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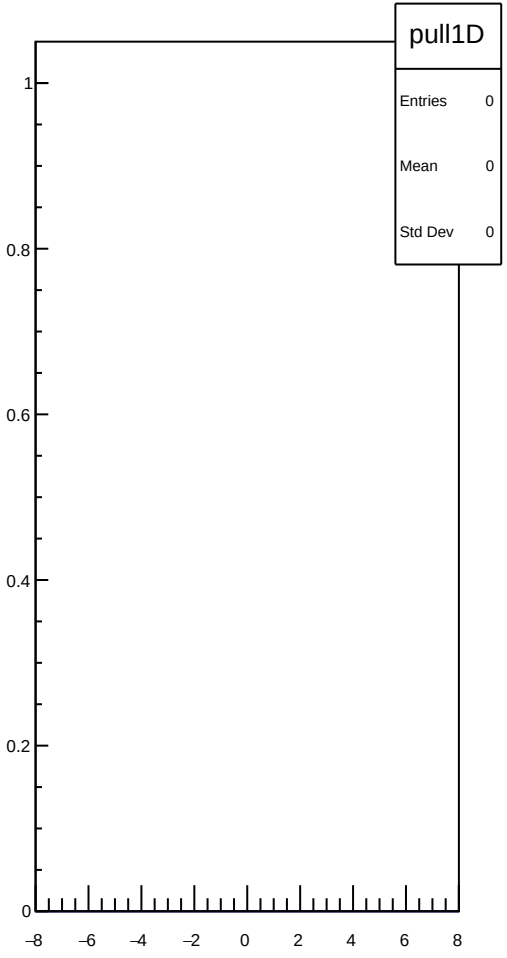
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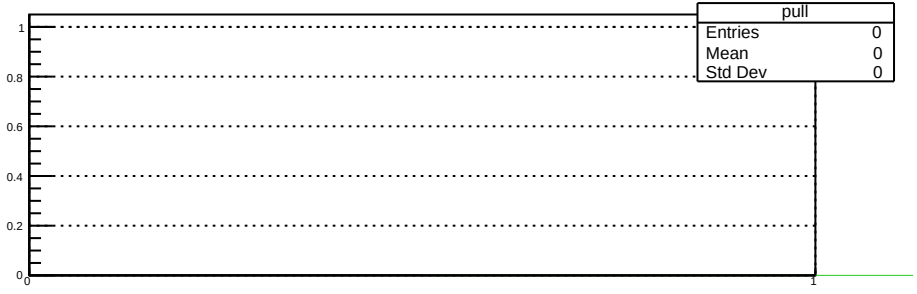
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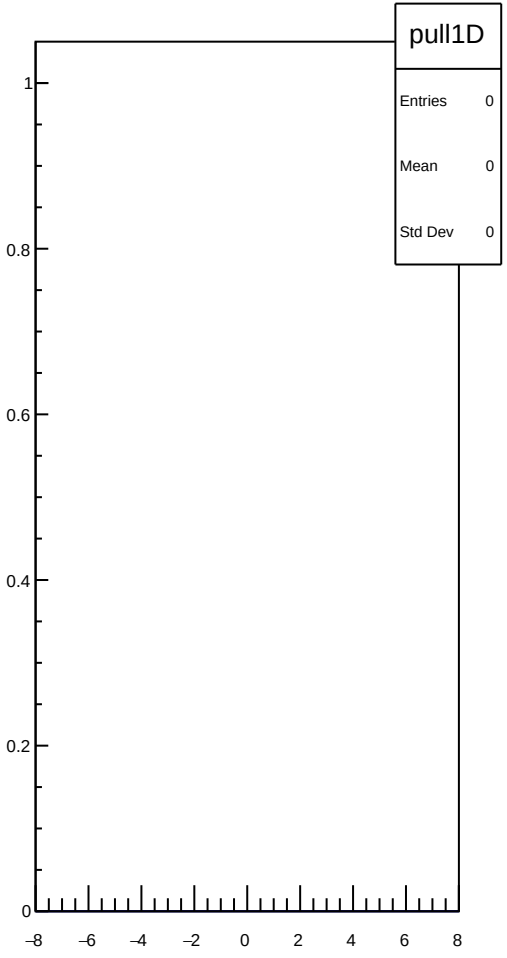
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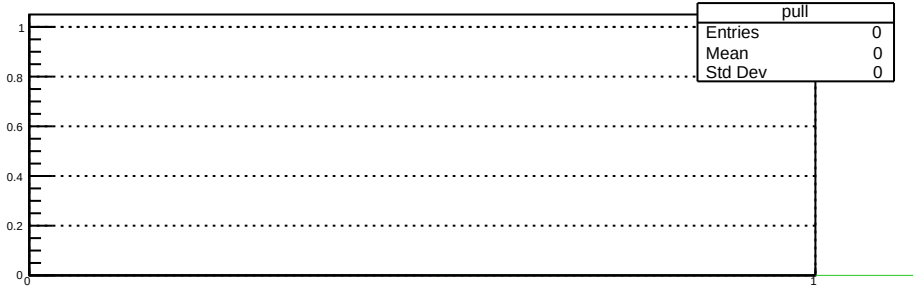
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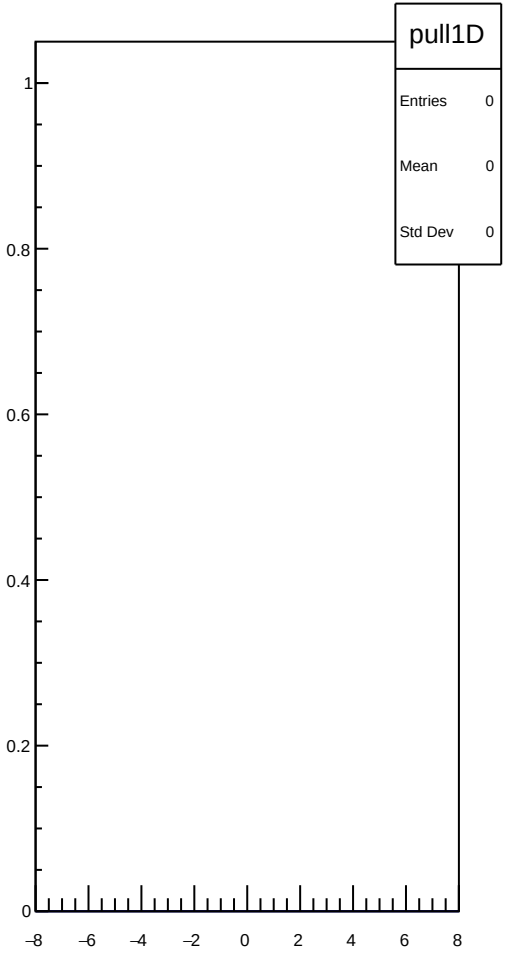
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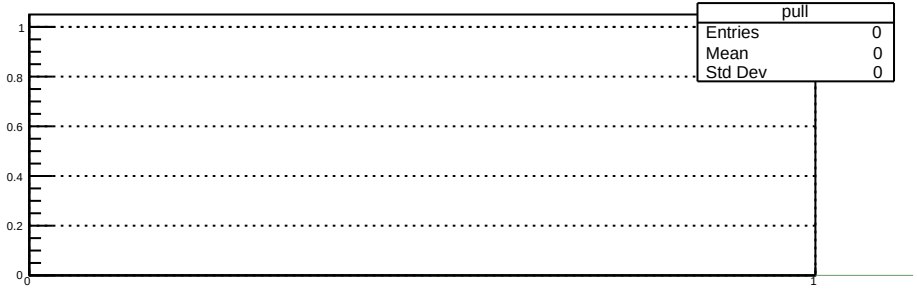
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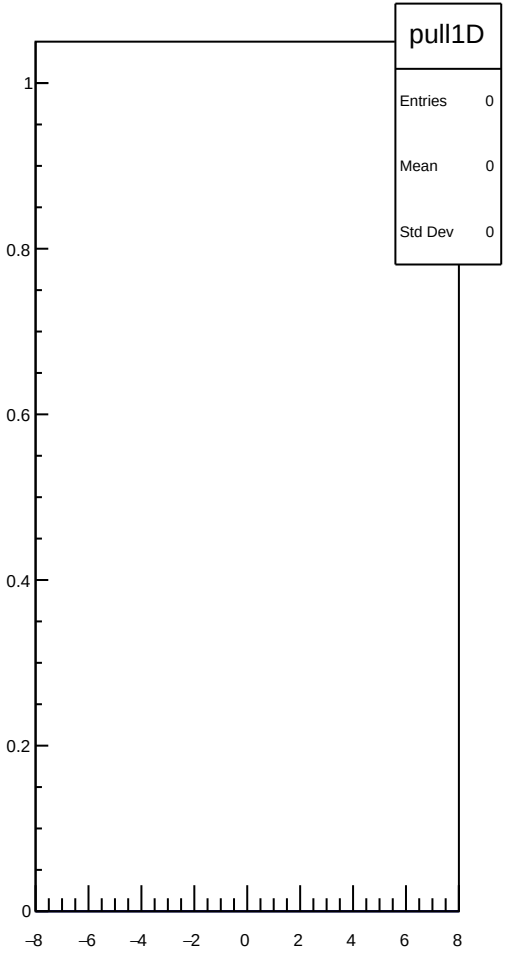
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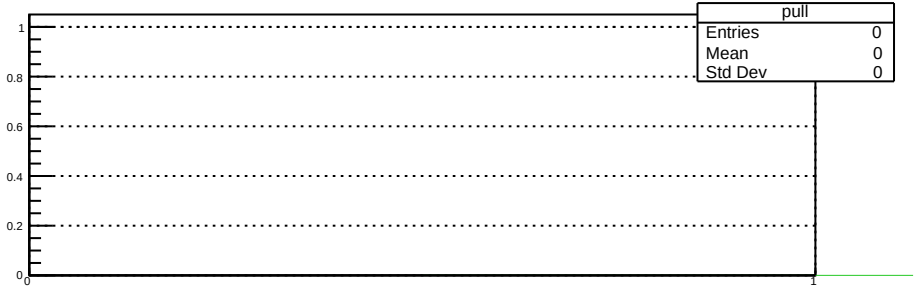
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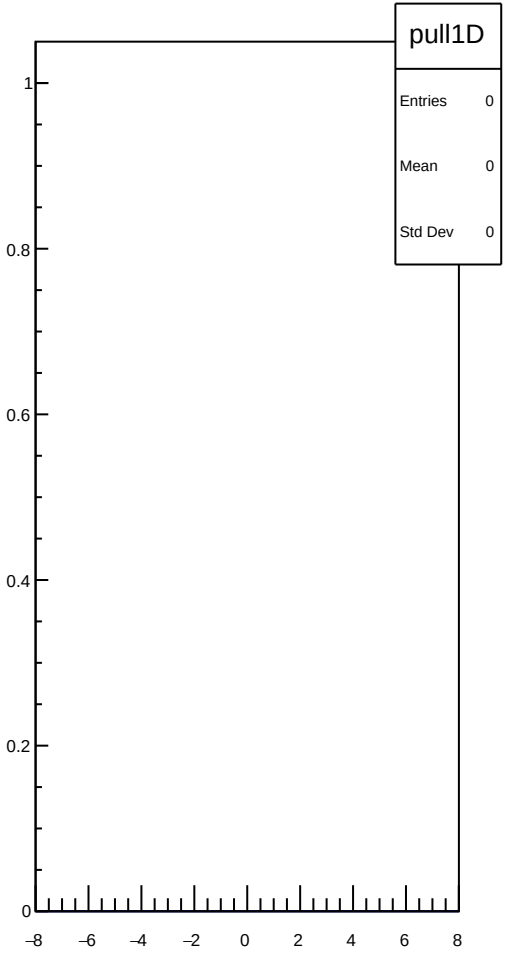
pull1D
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Std Dev 0
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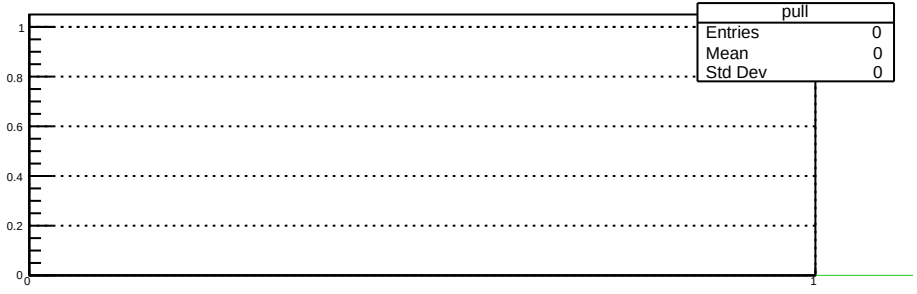
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Std Dev 0
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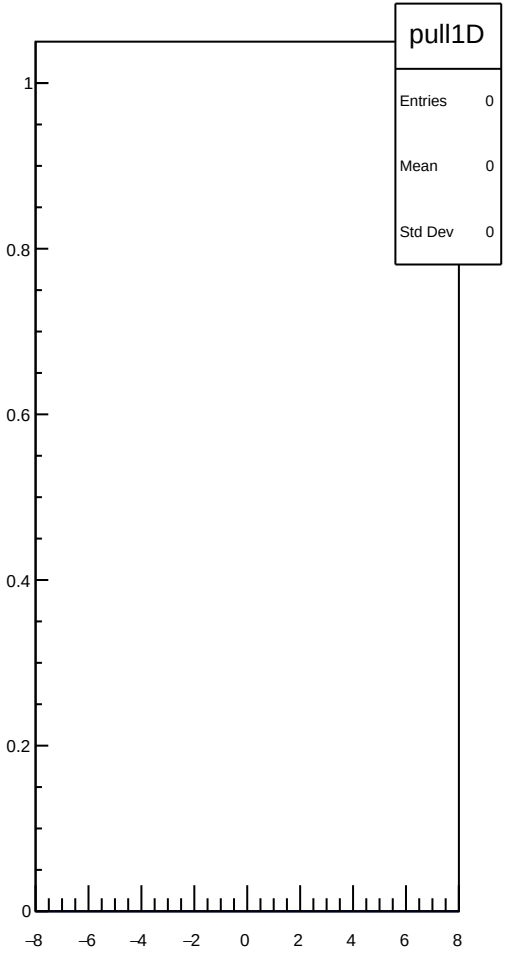
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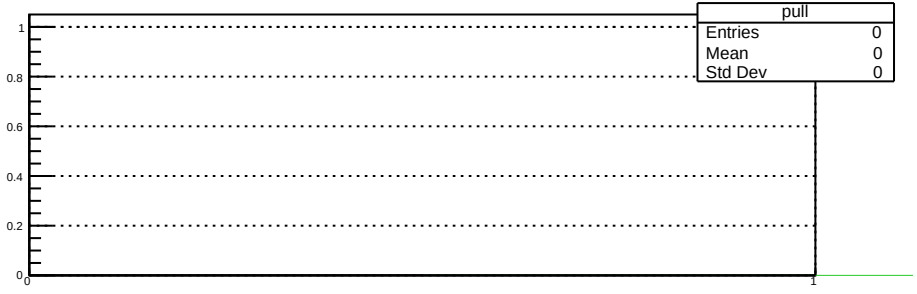
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Std Dev 0
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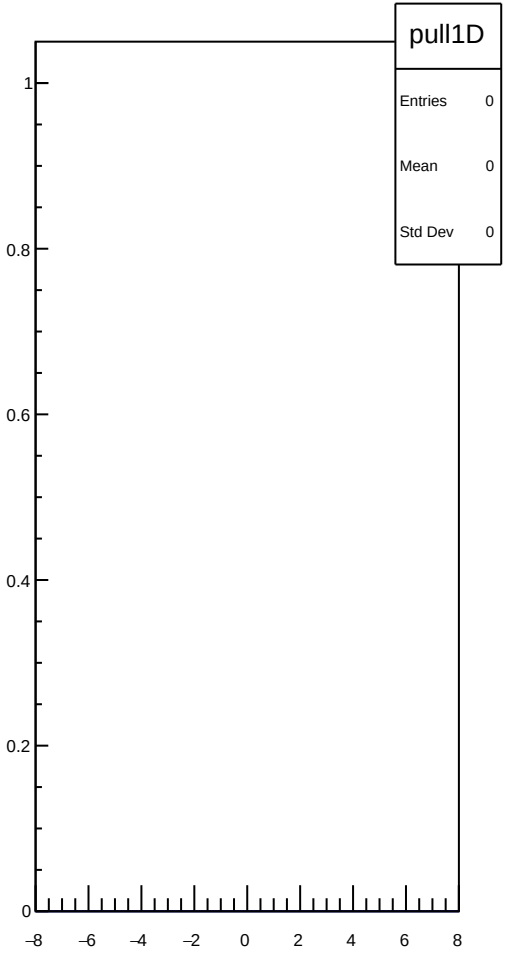
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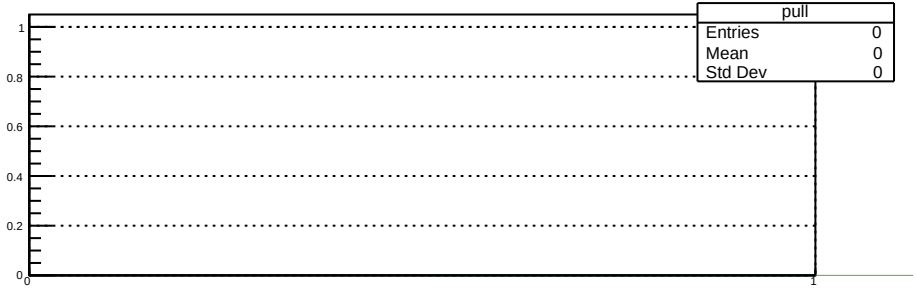
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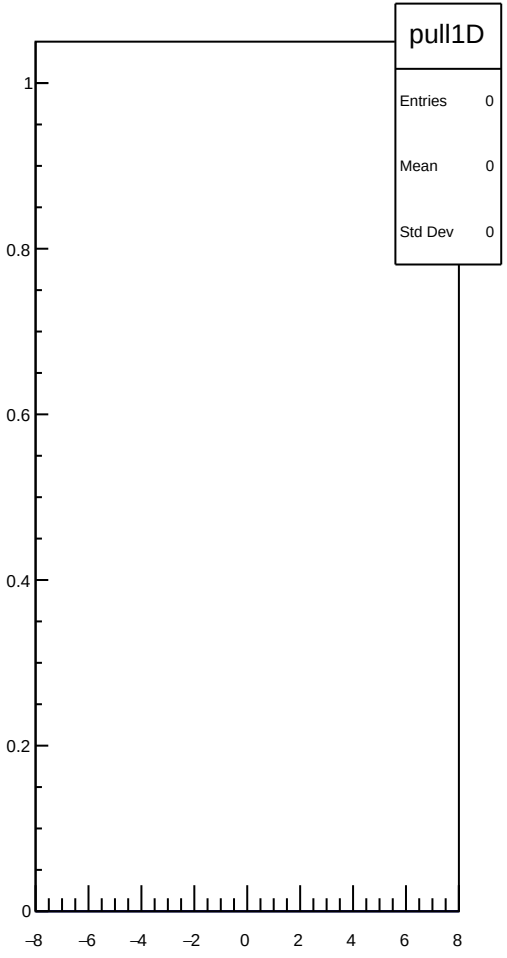
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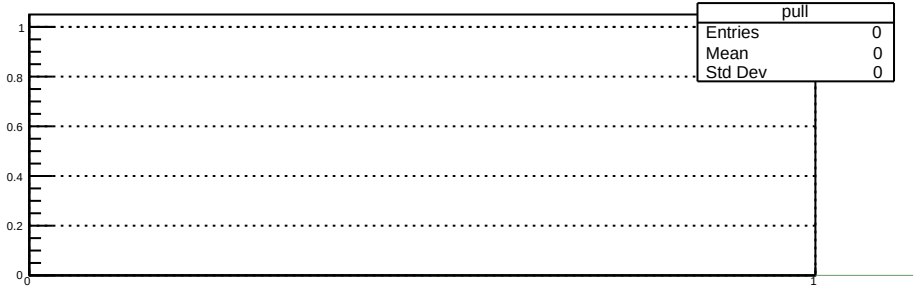
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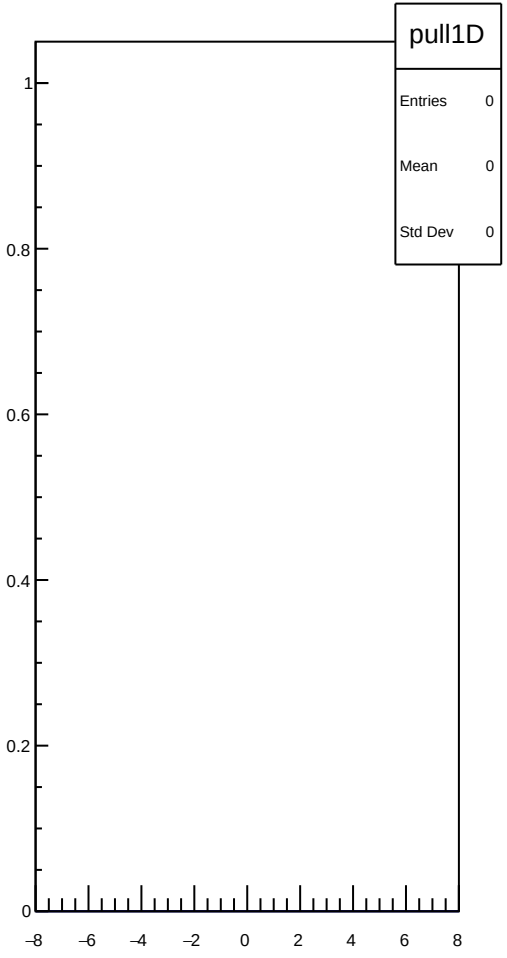
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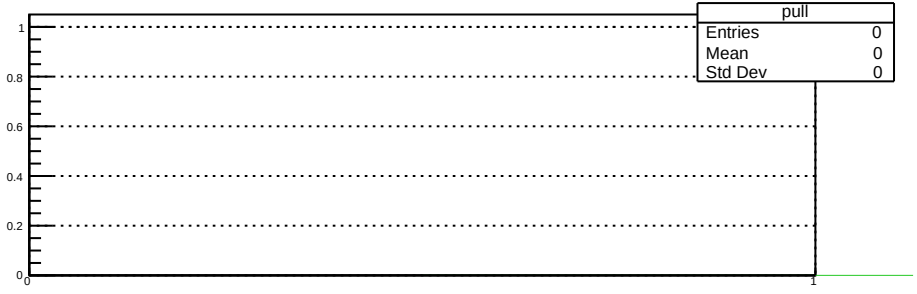
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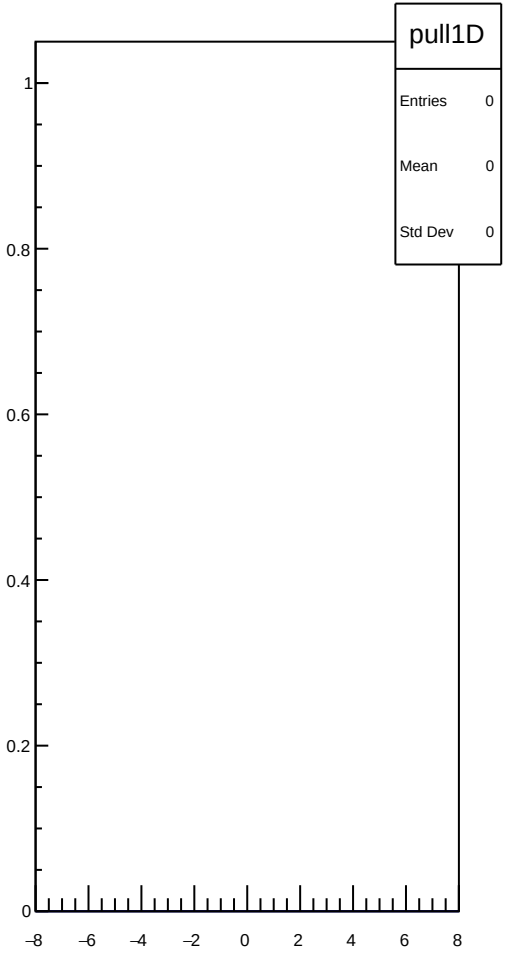
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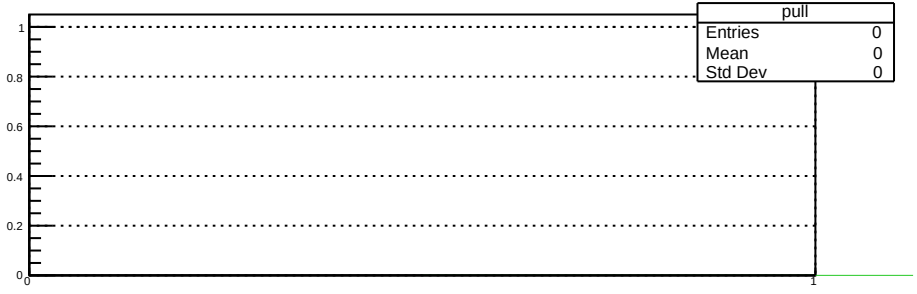
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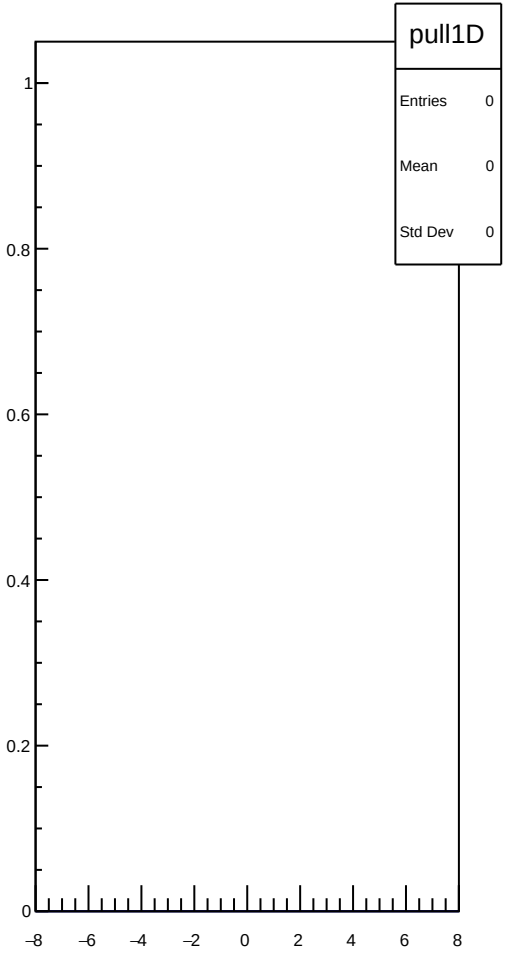
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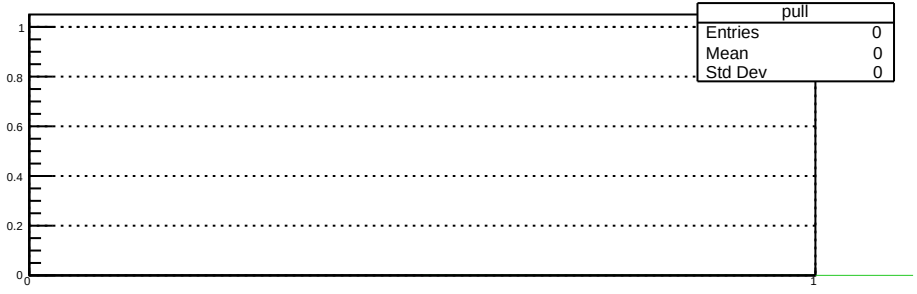
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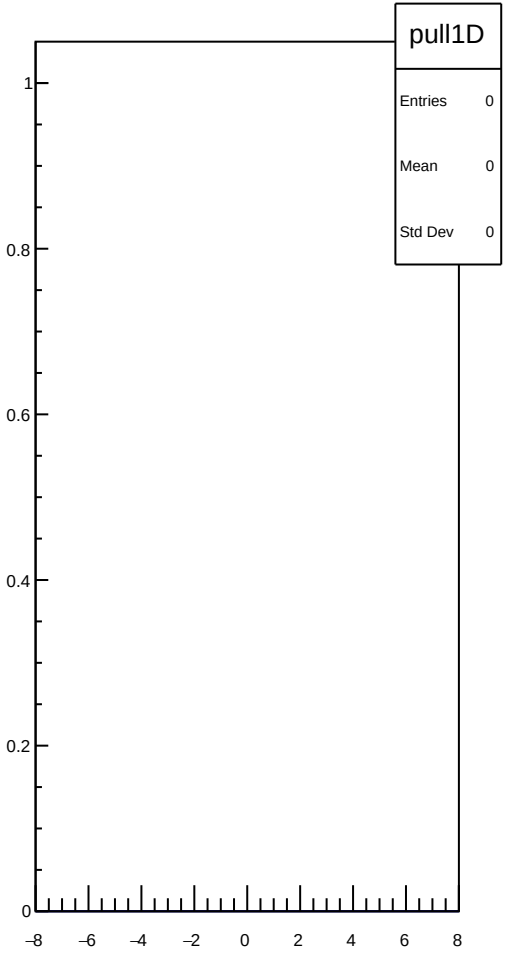
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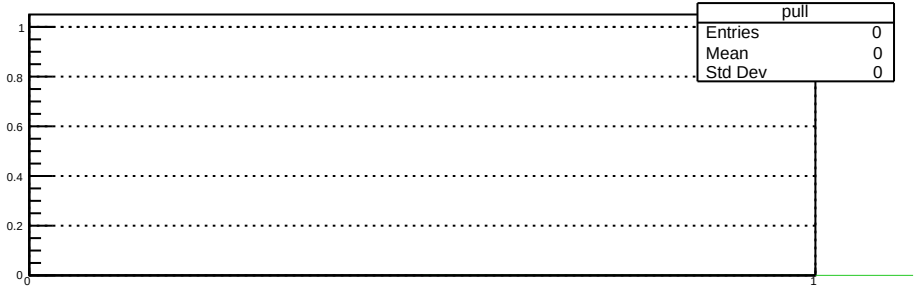
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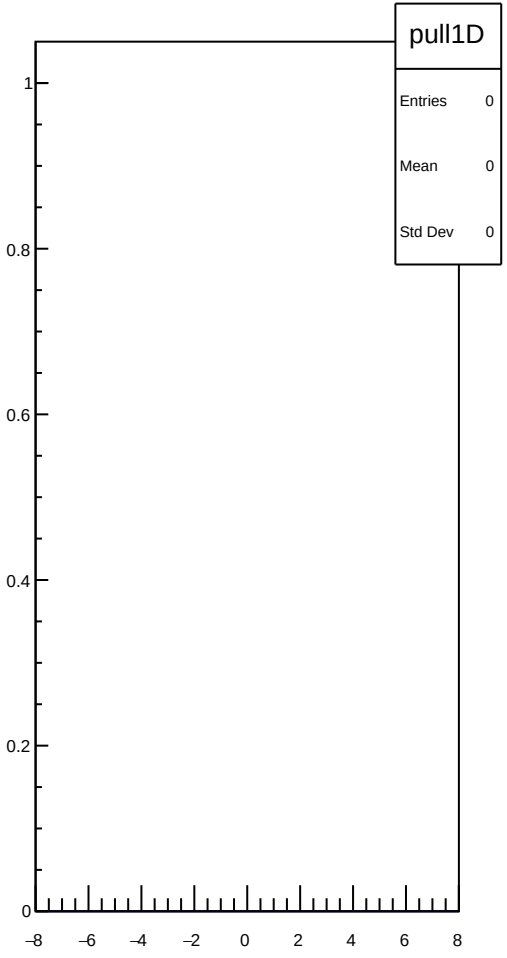
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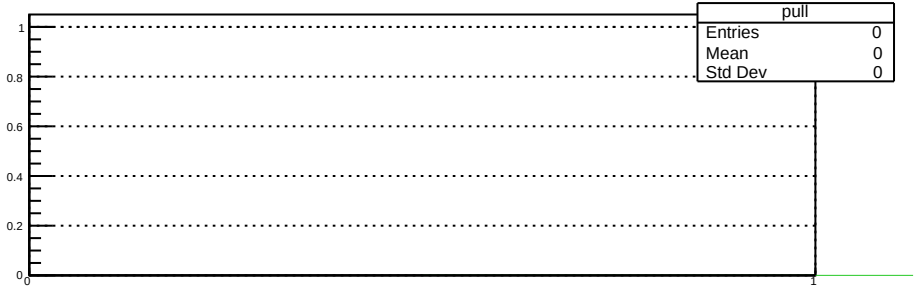
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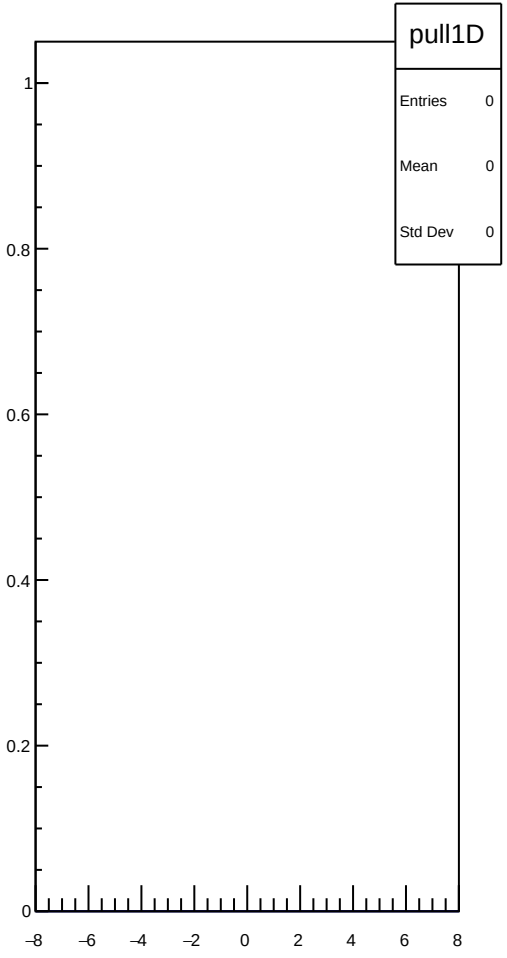
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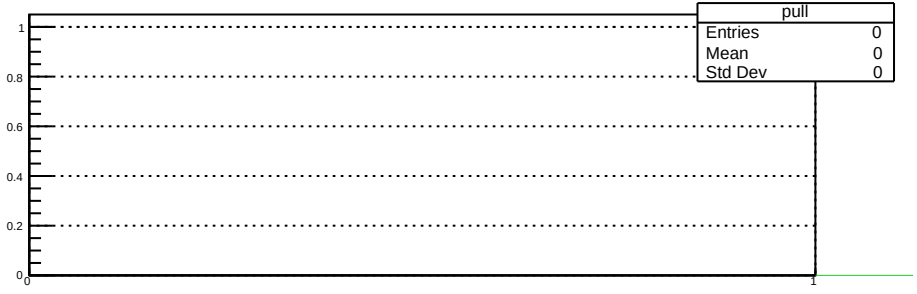
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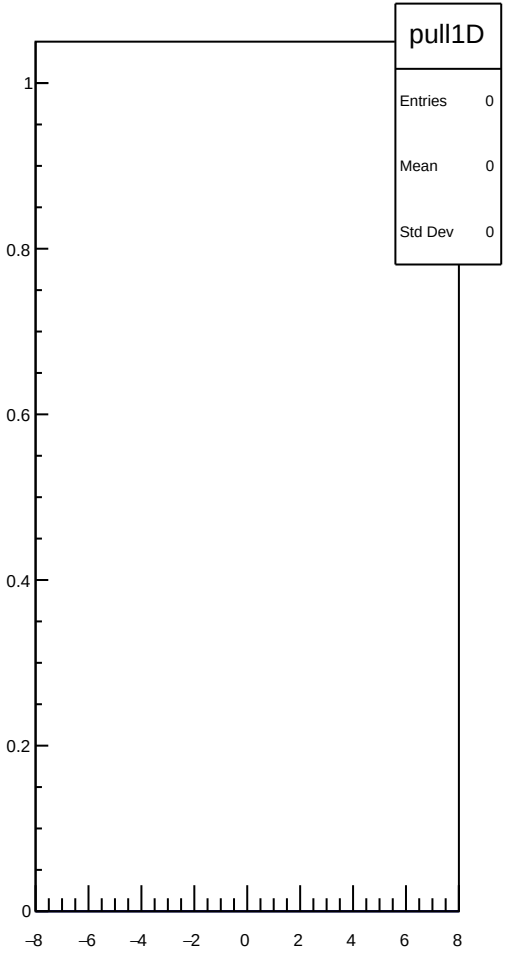
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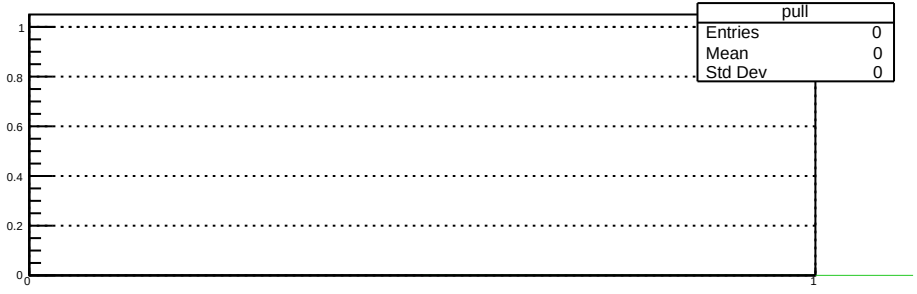
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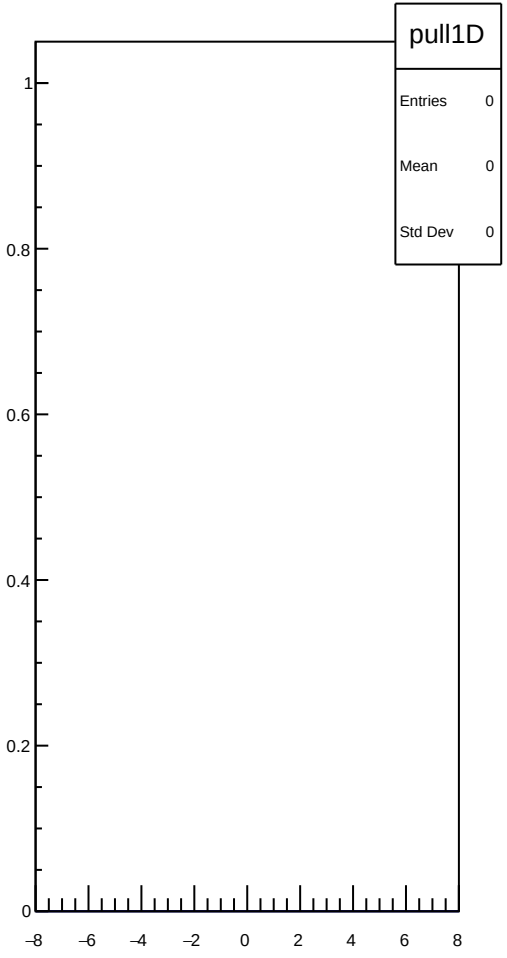
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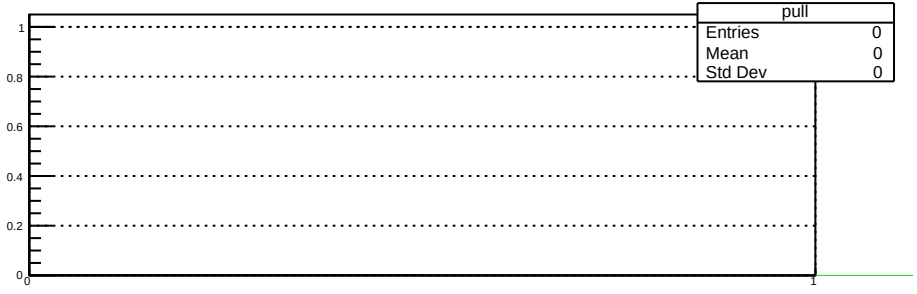
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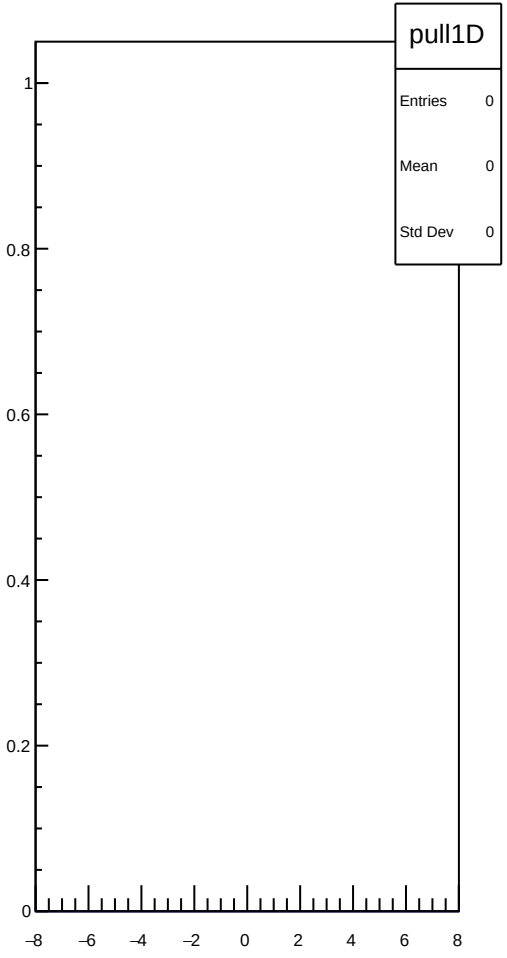
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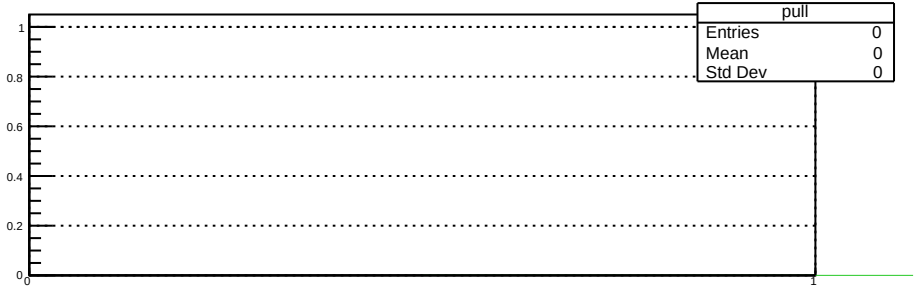
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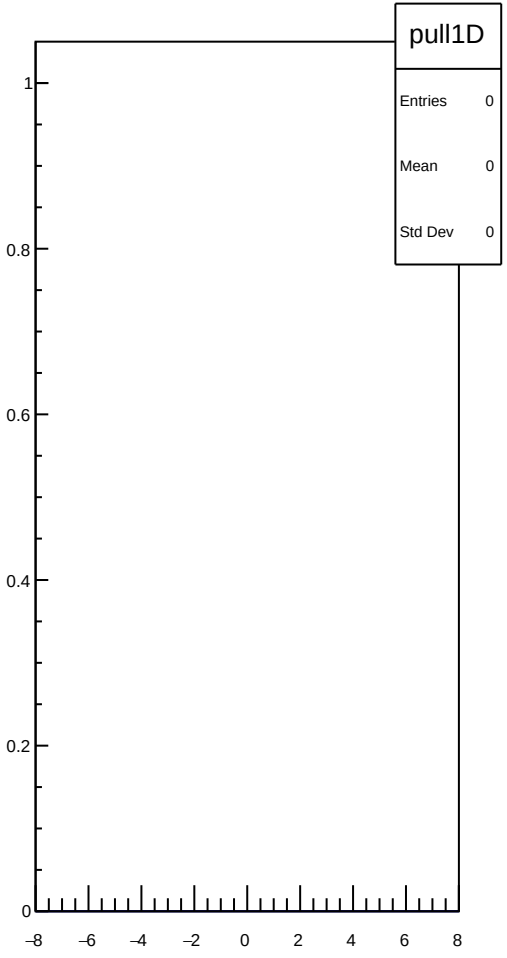
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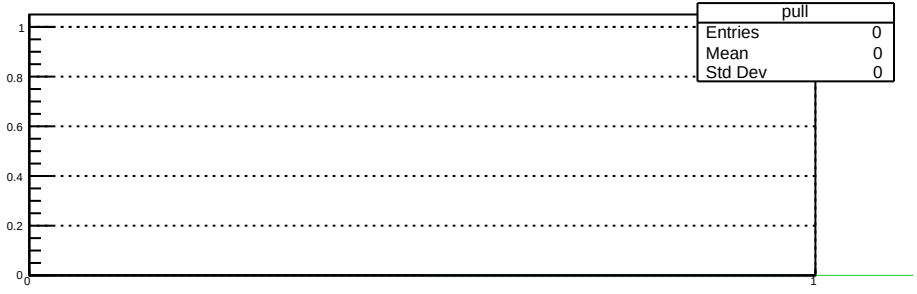
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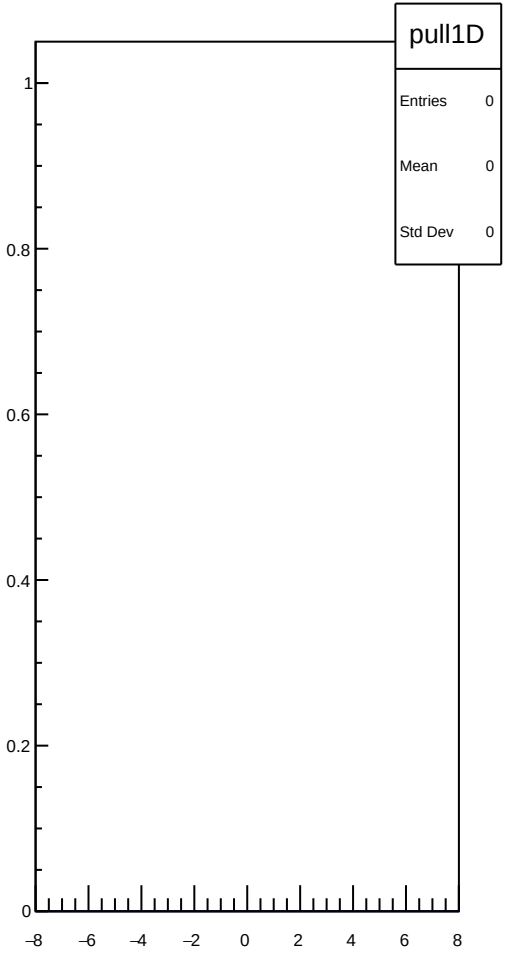
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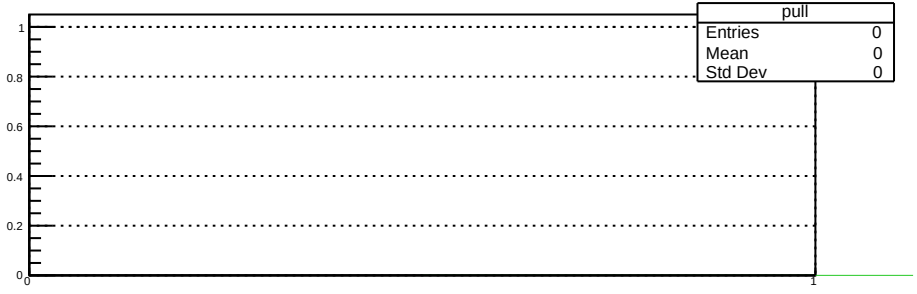
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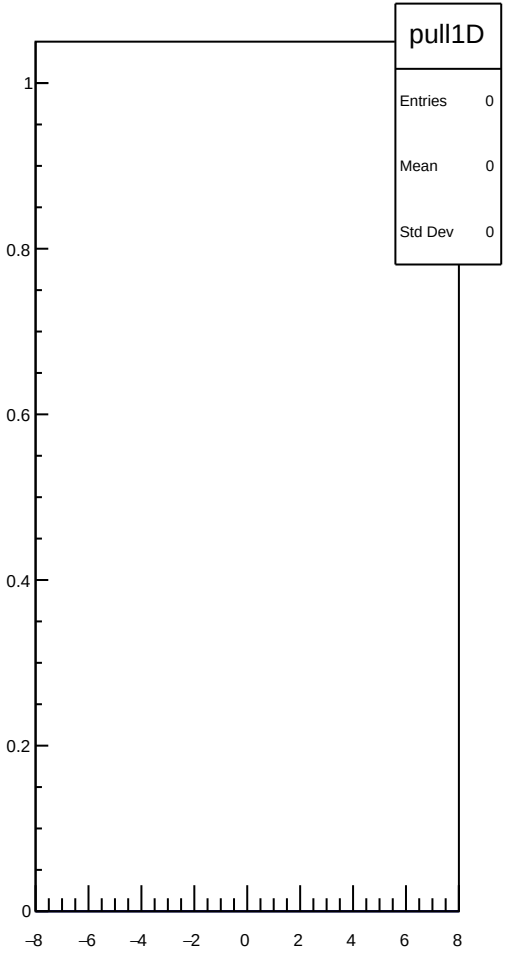
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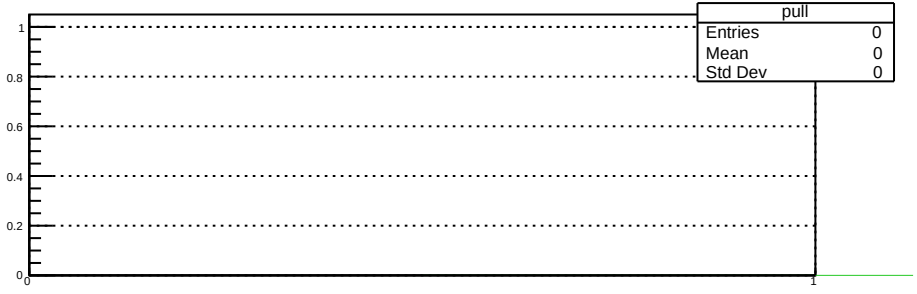
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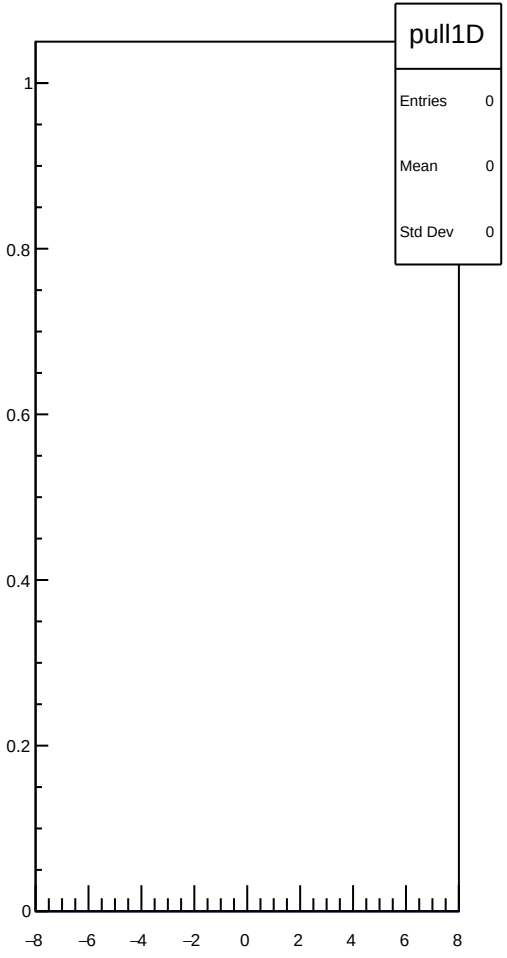
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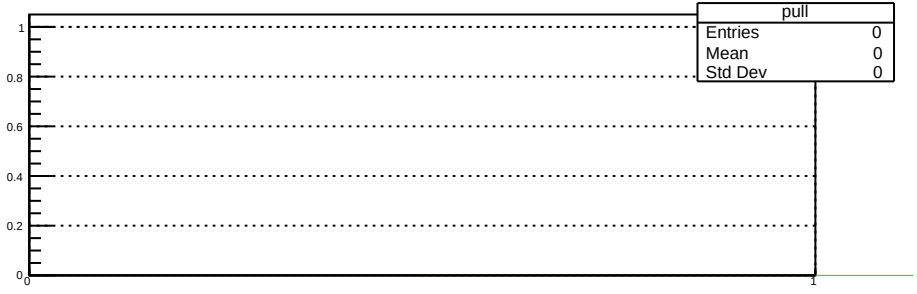
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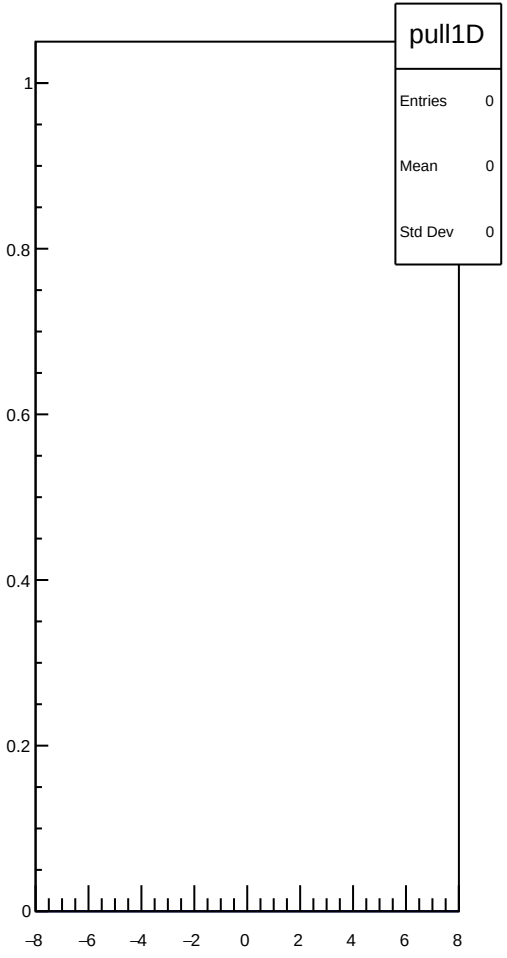
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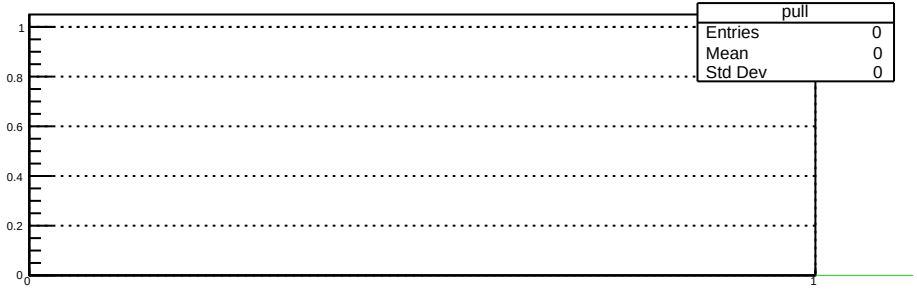
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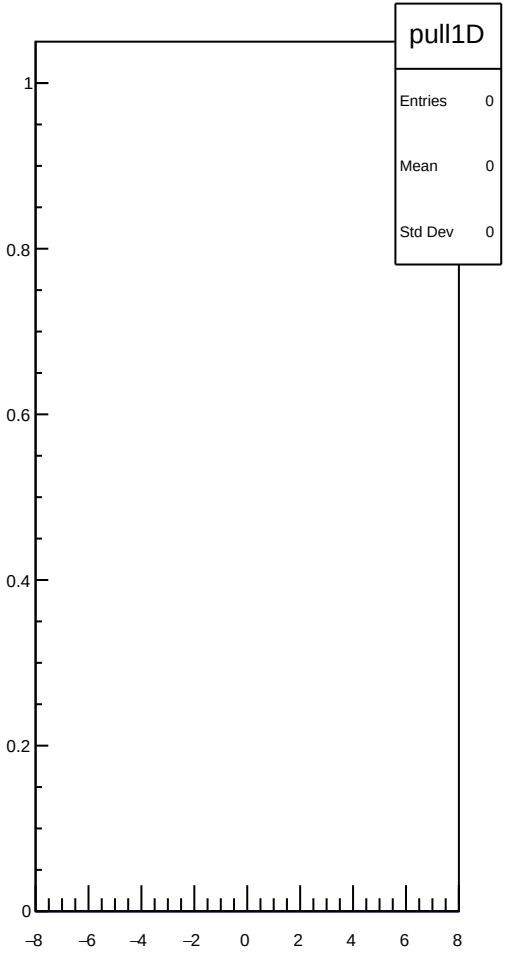
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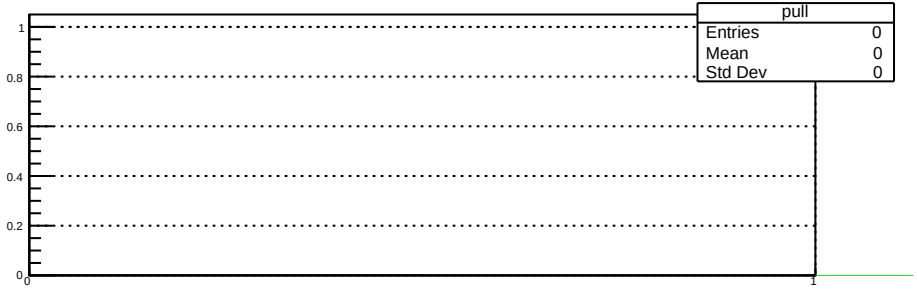
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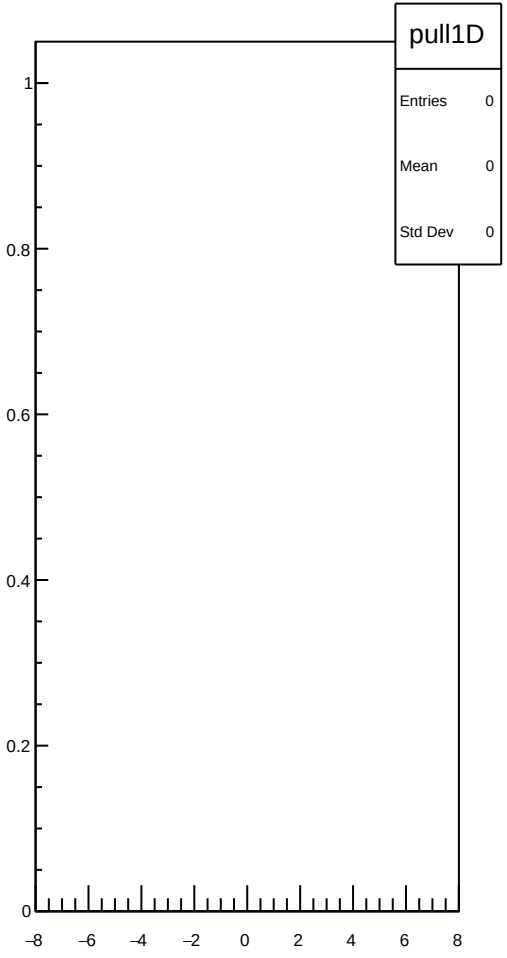
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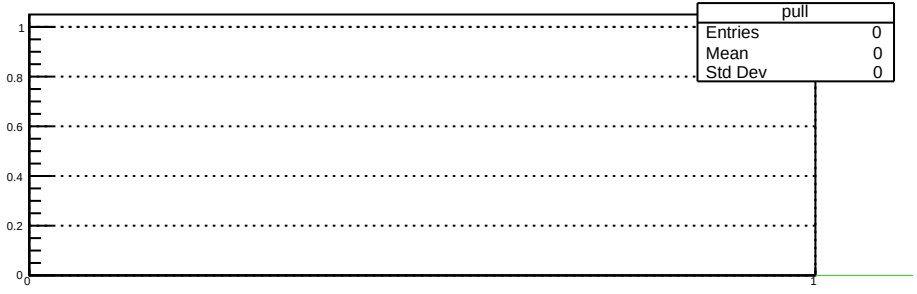
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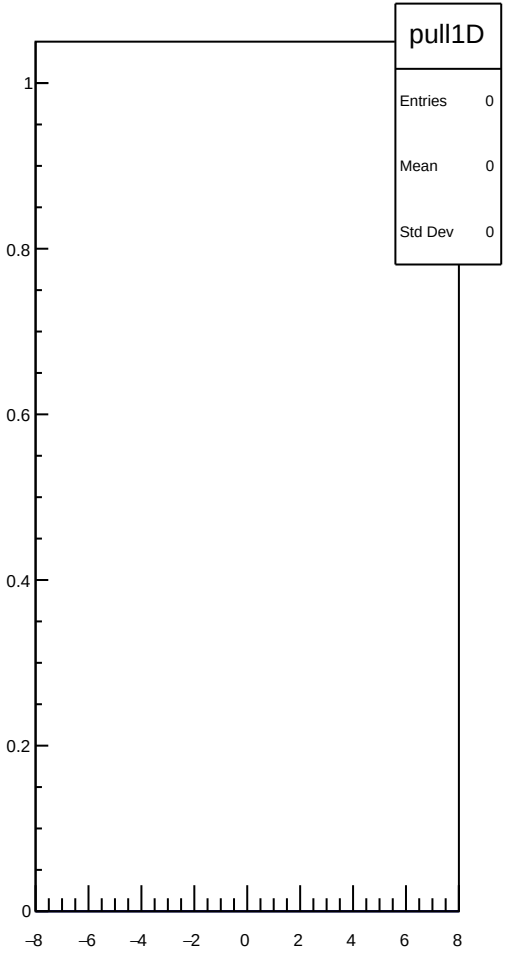
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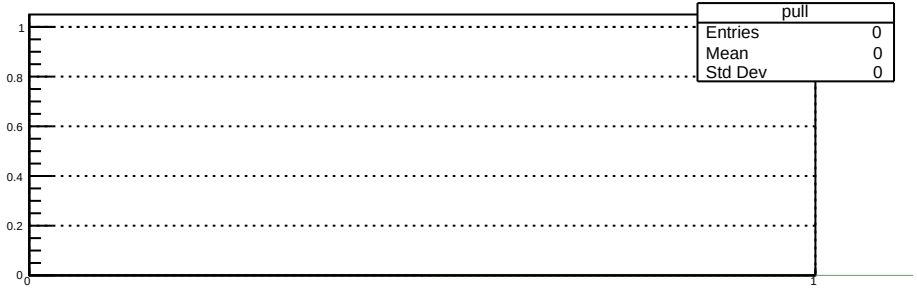
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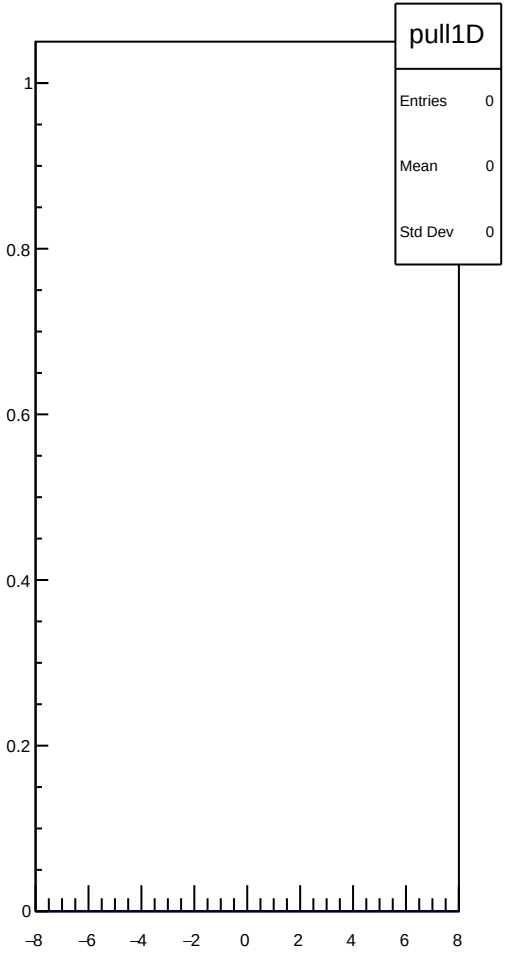
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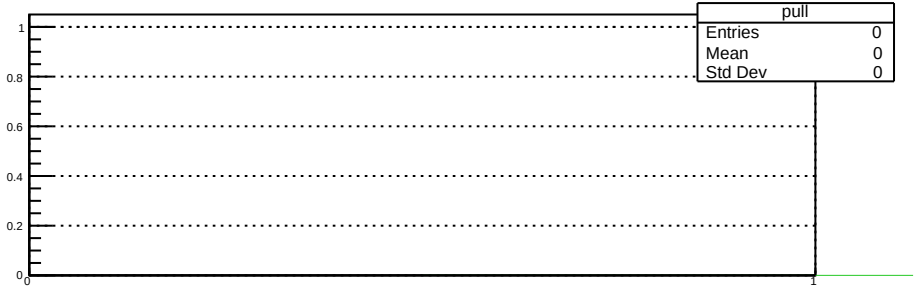
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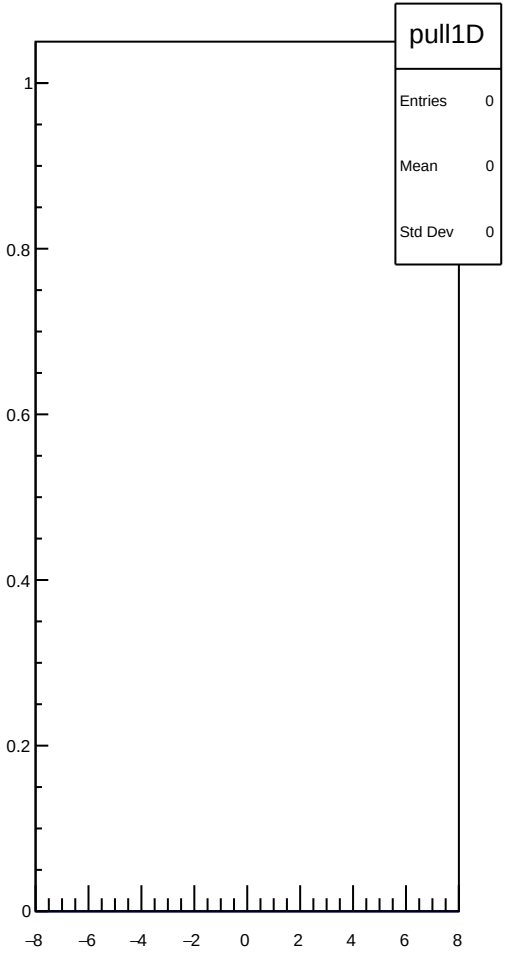
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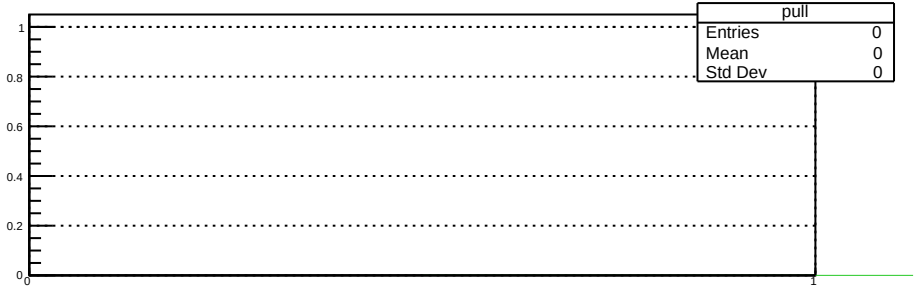
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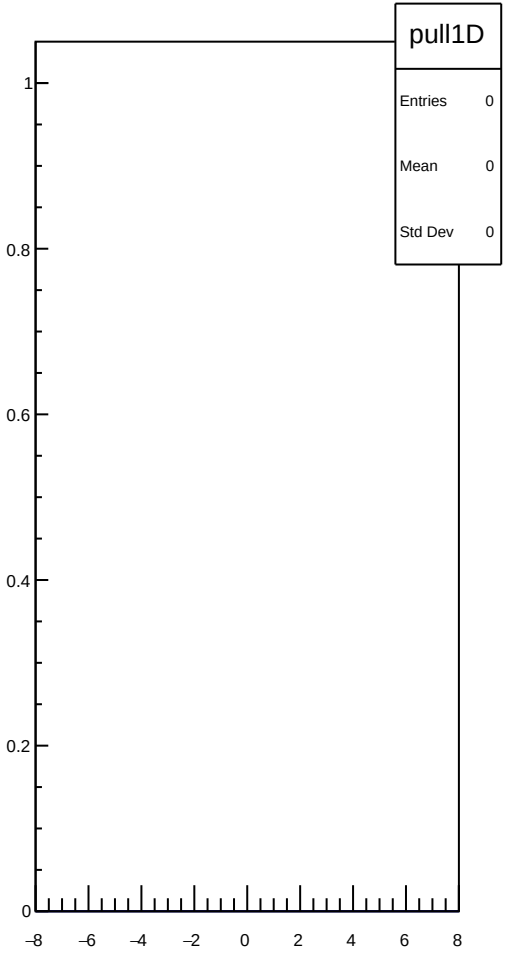
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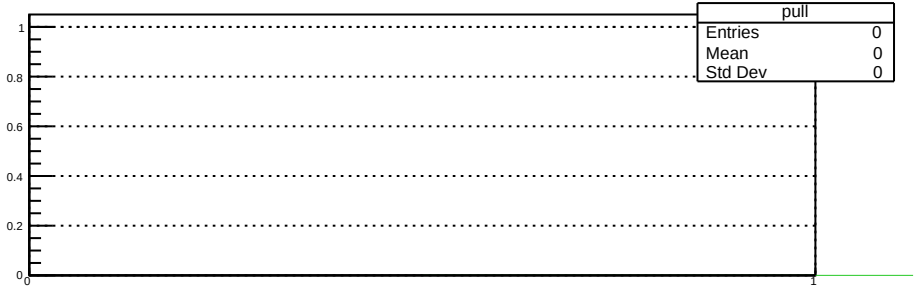
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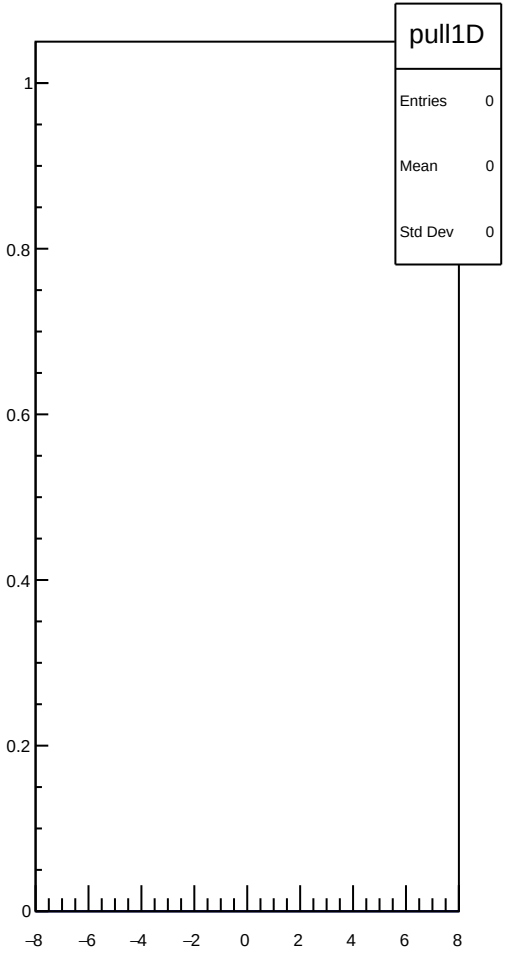
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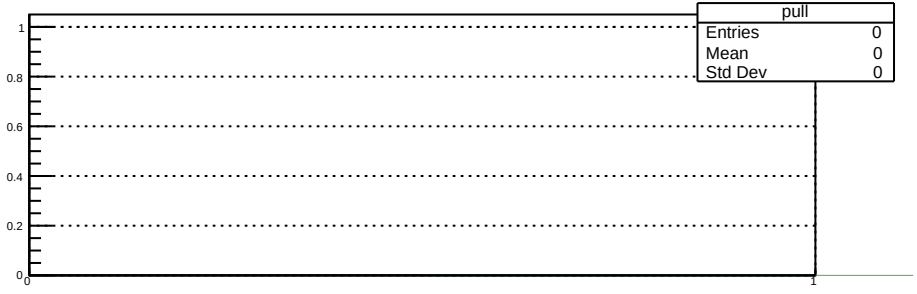
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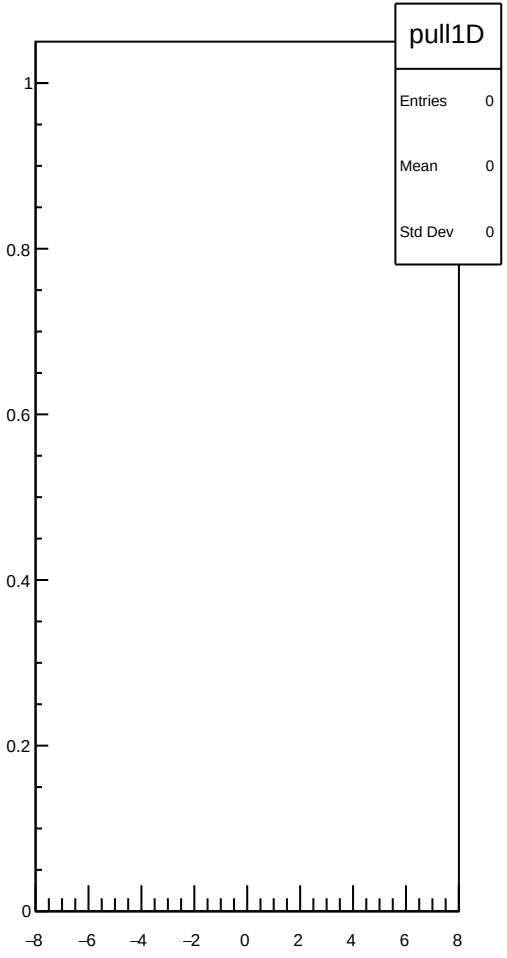
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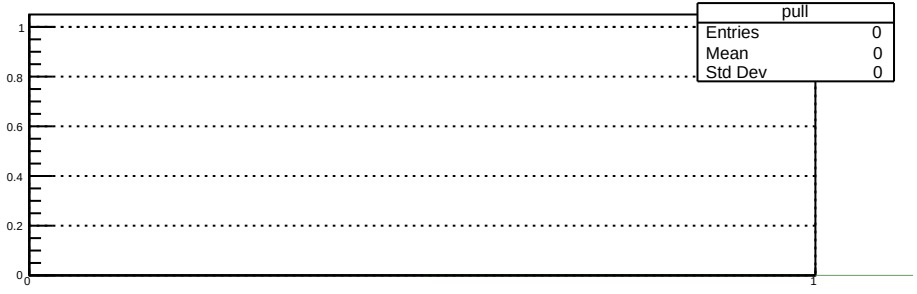
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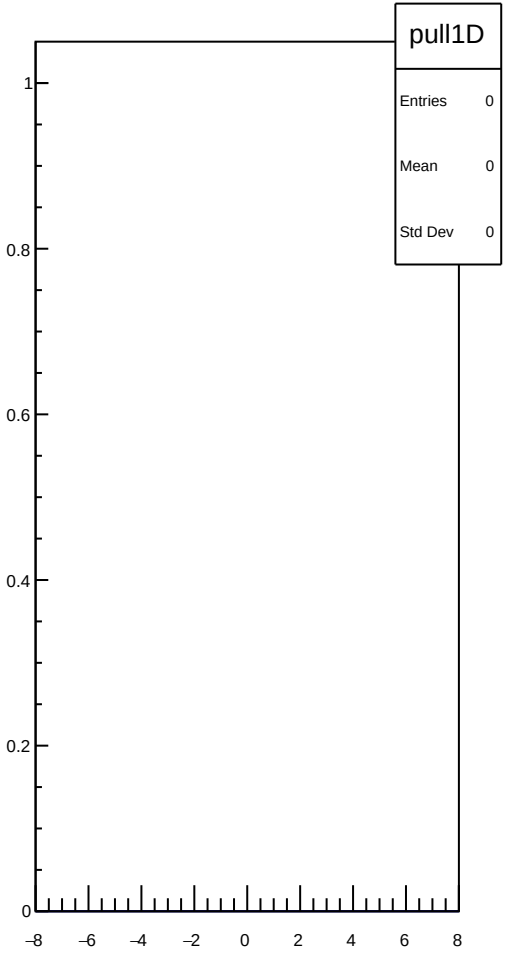
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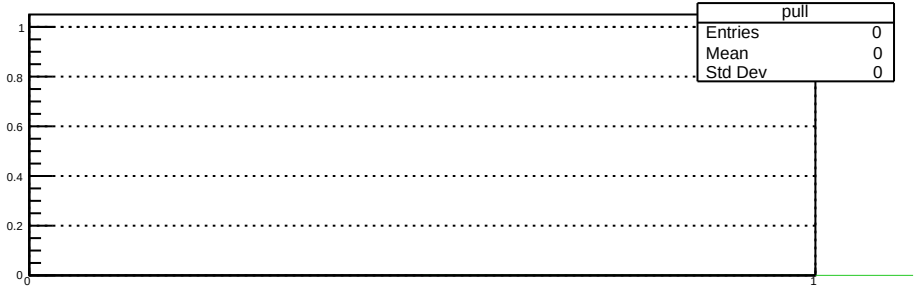
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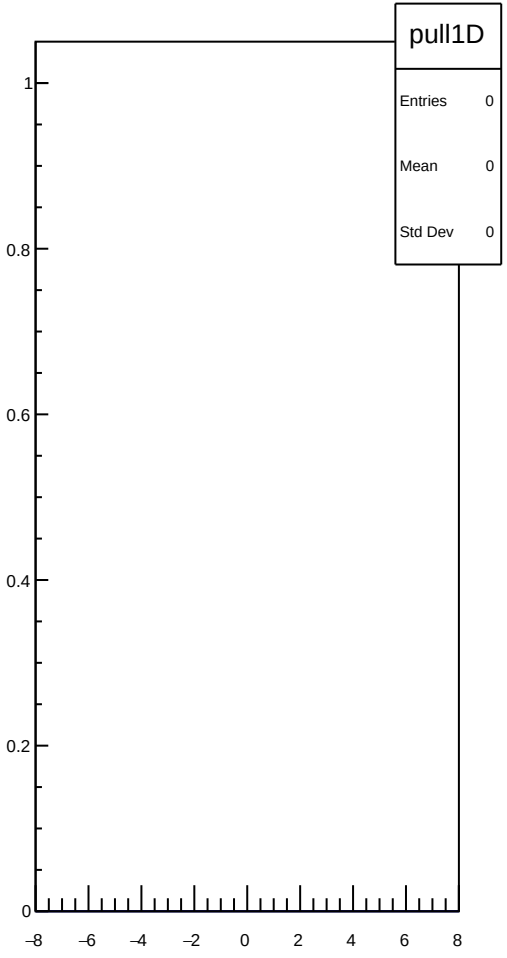
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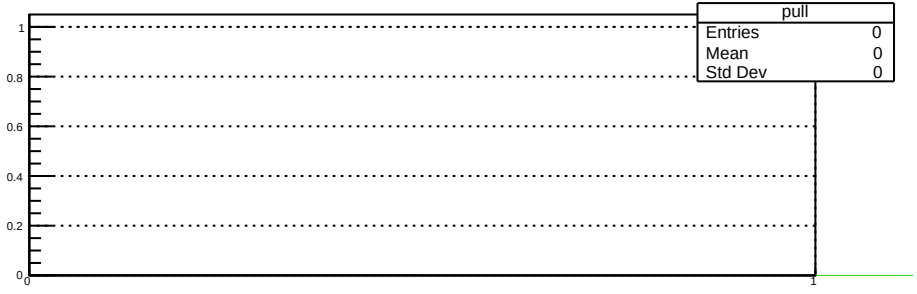
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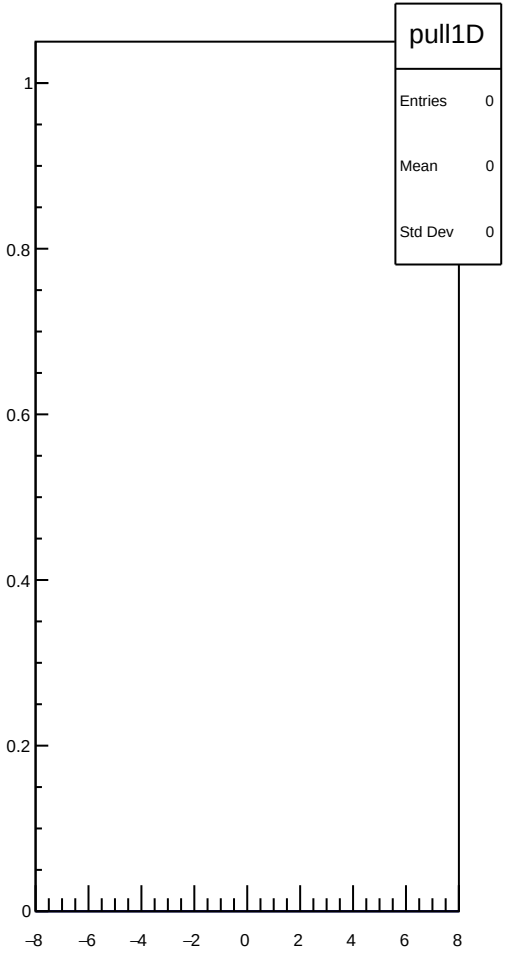
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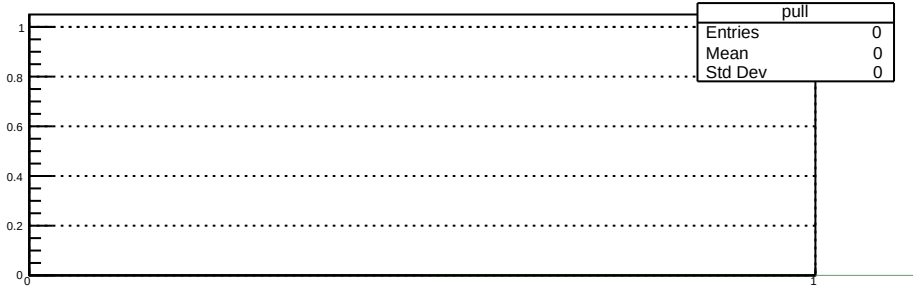
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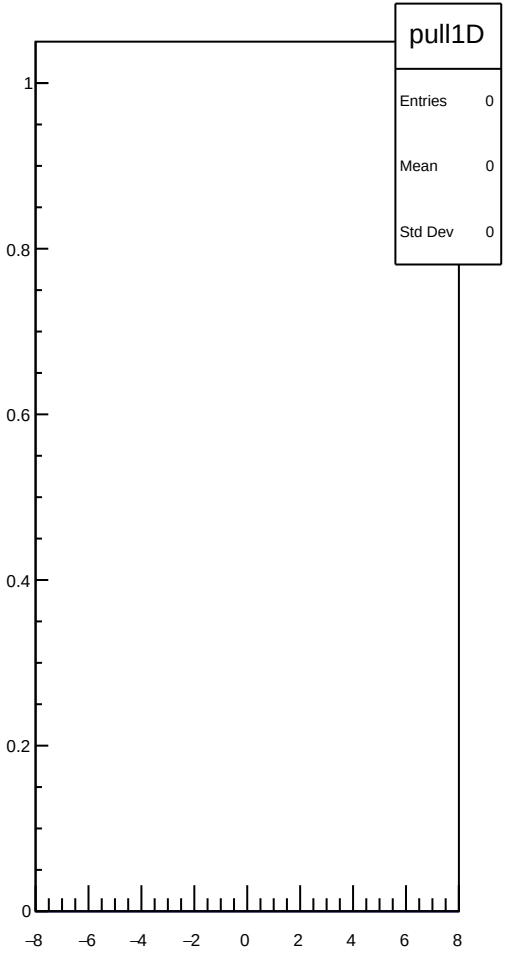
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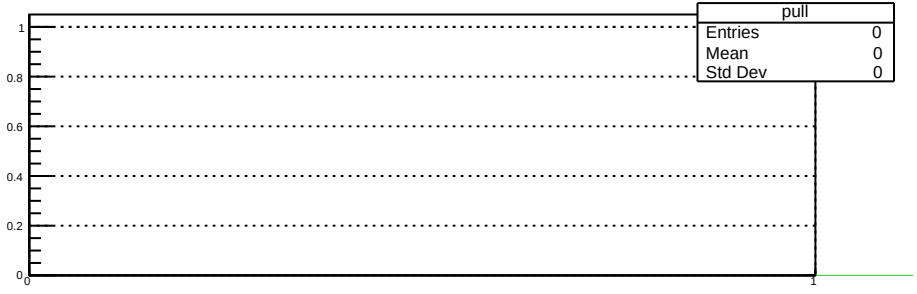
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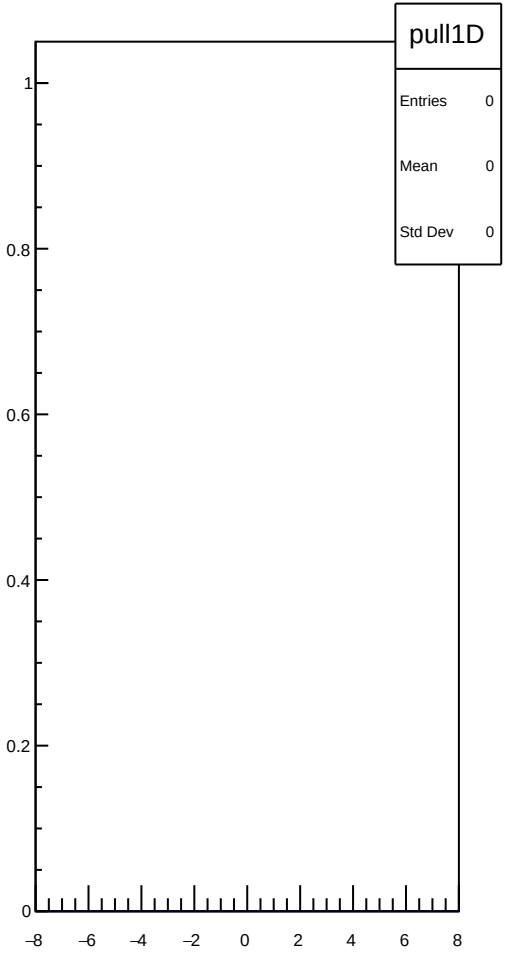
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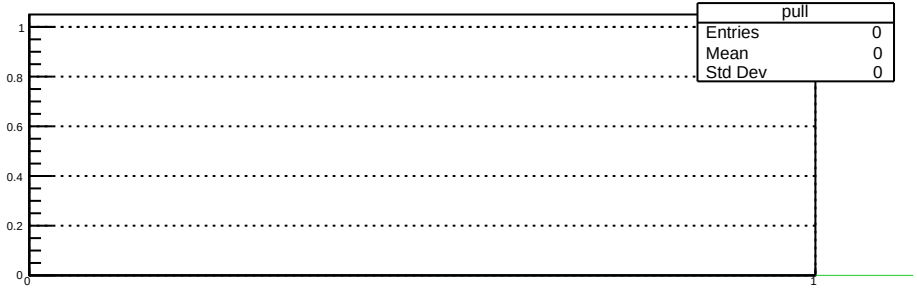
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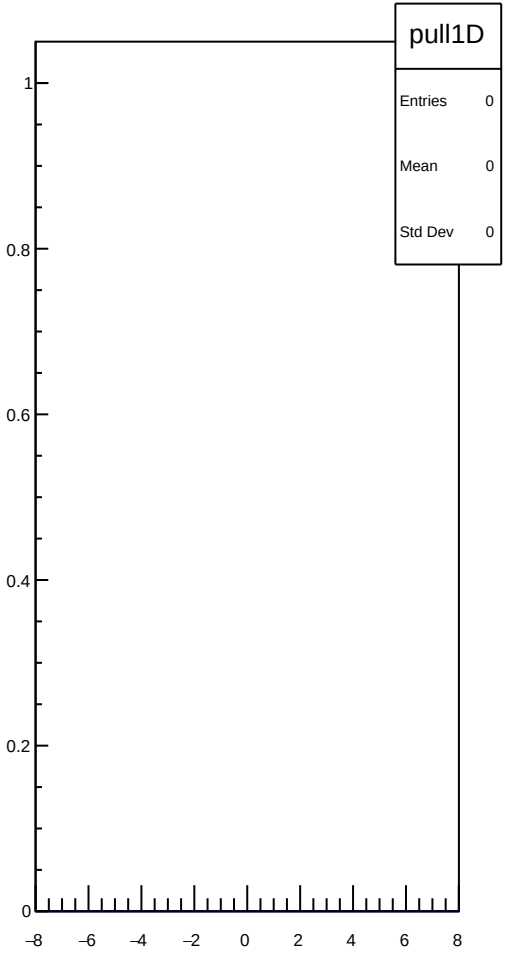
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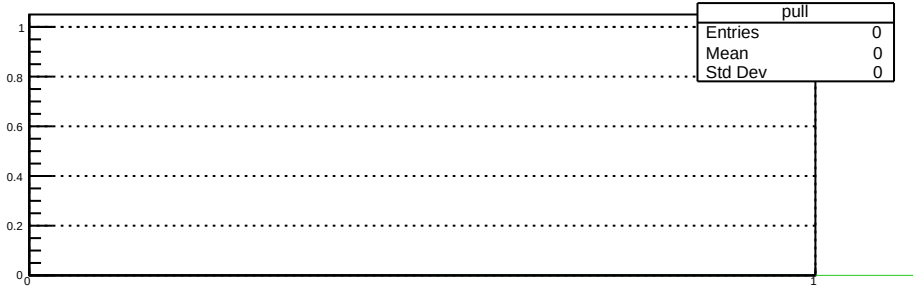
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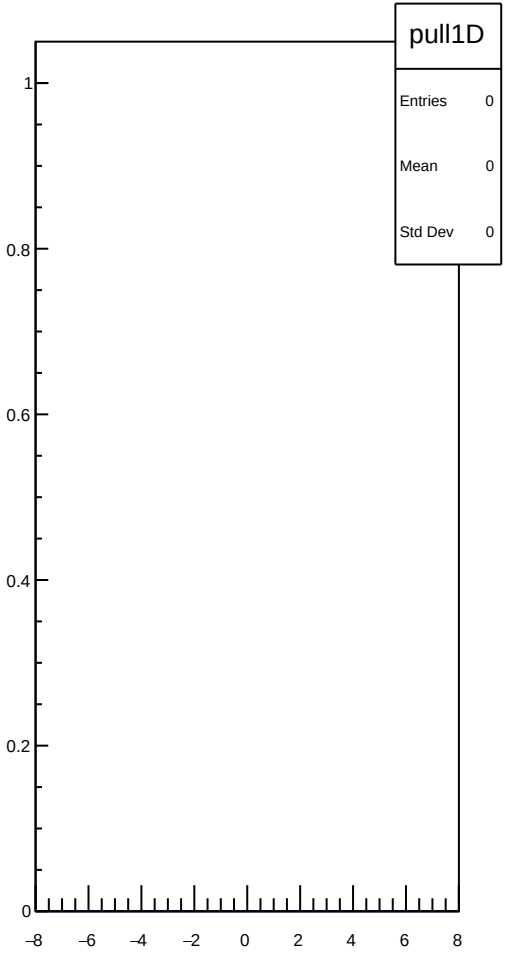
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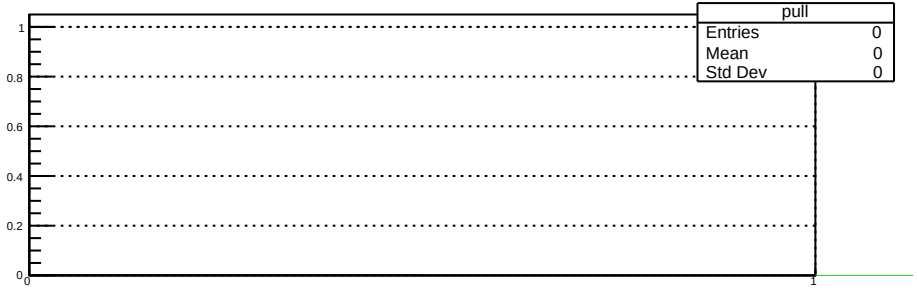
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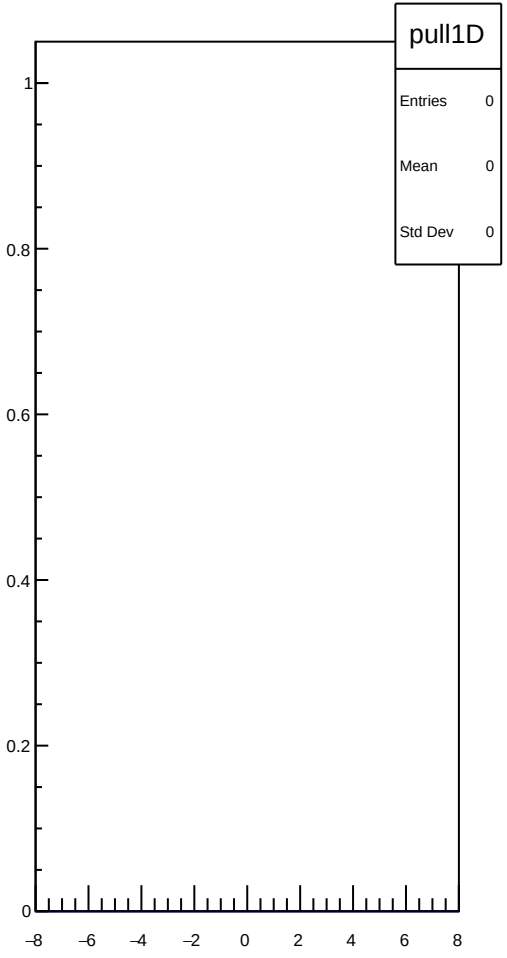
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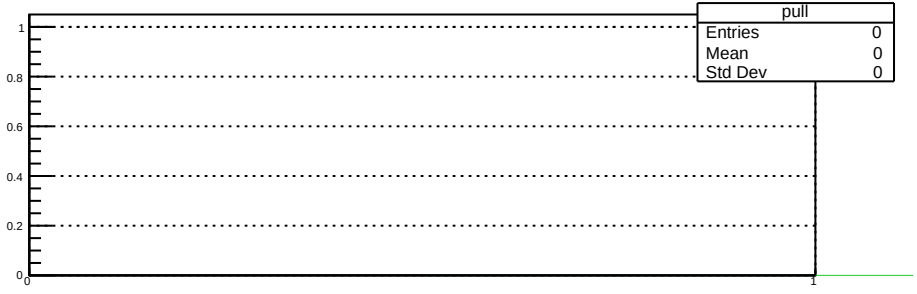
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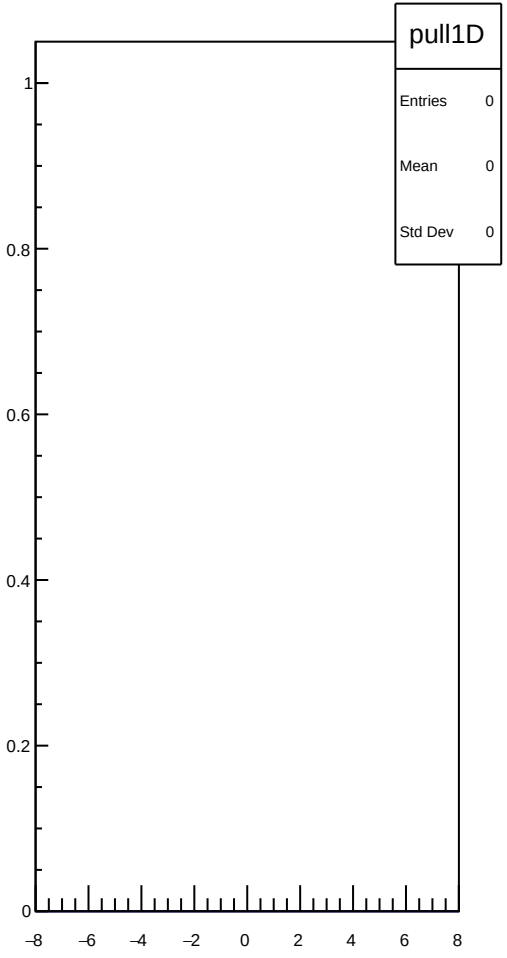
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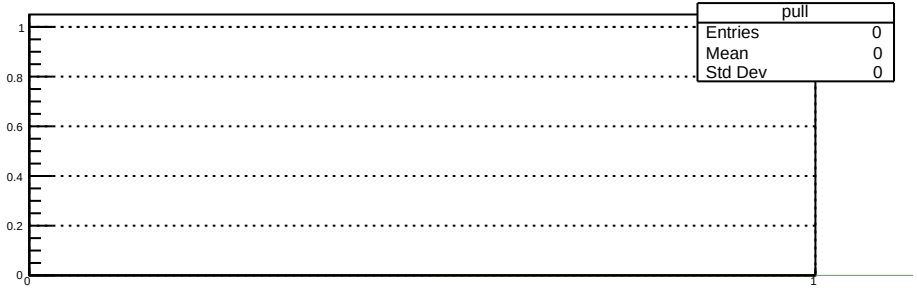
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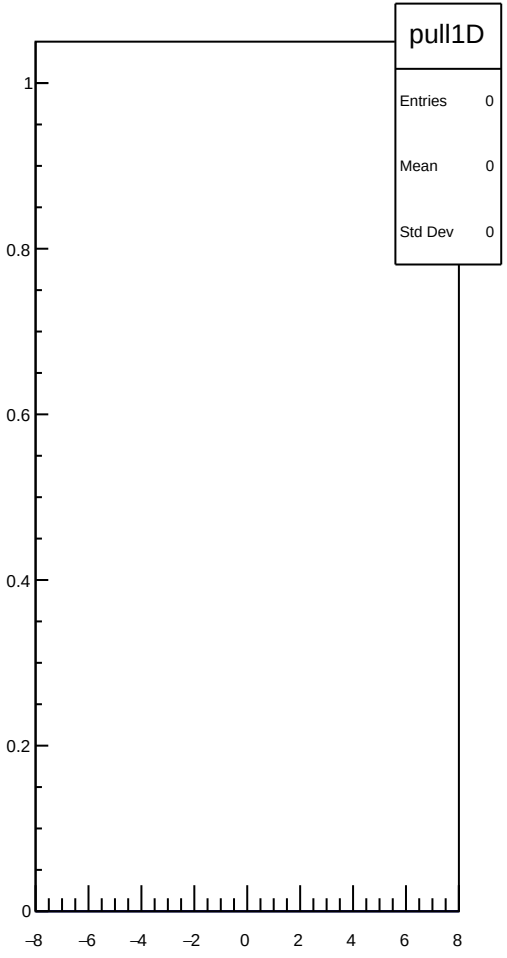
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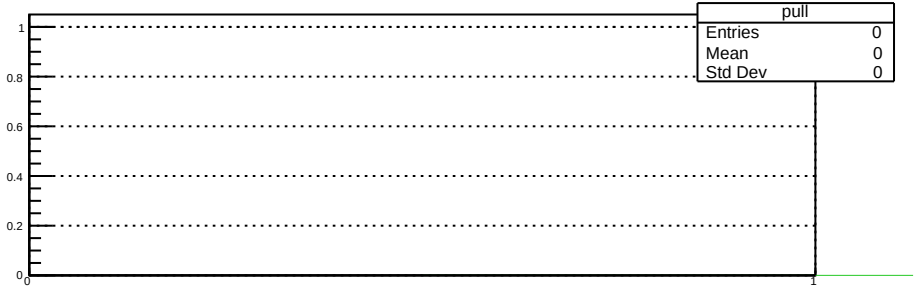
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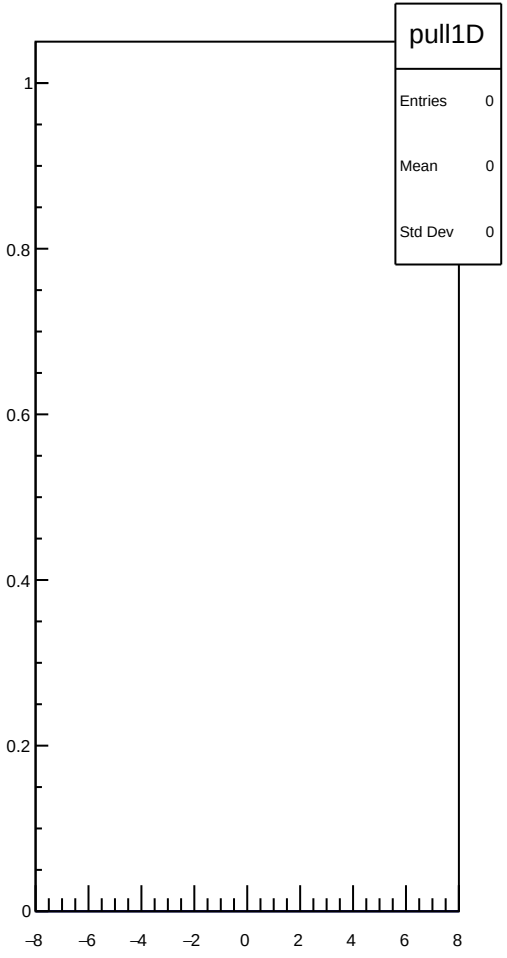
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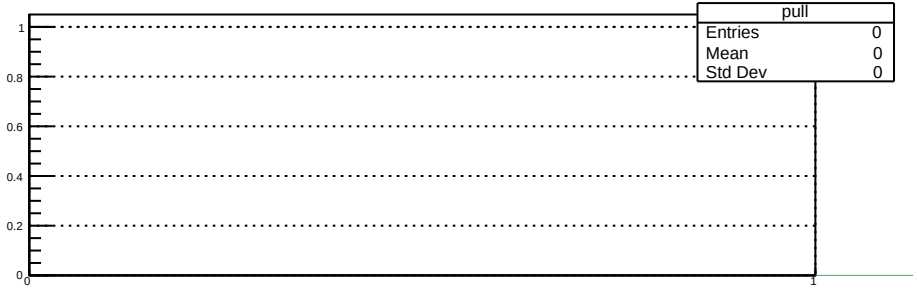
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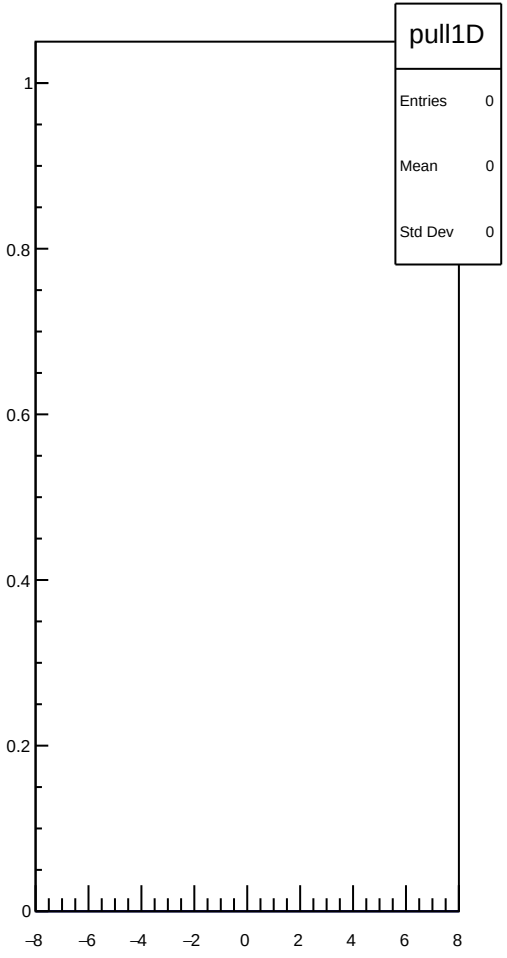
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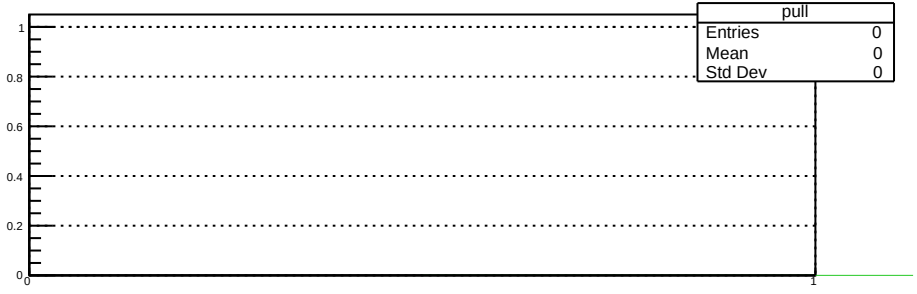
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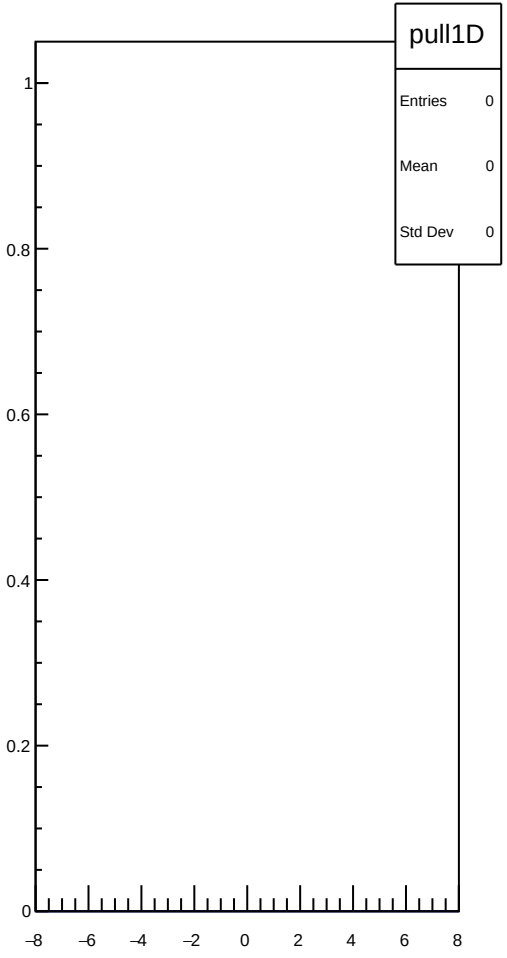
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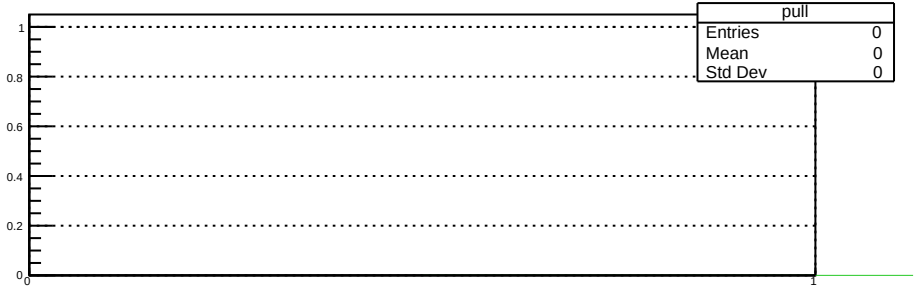
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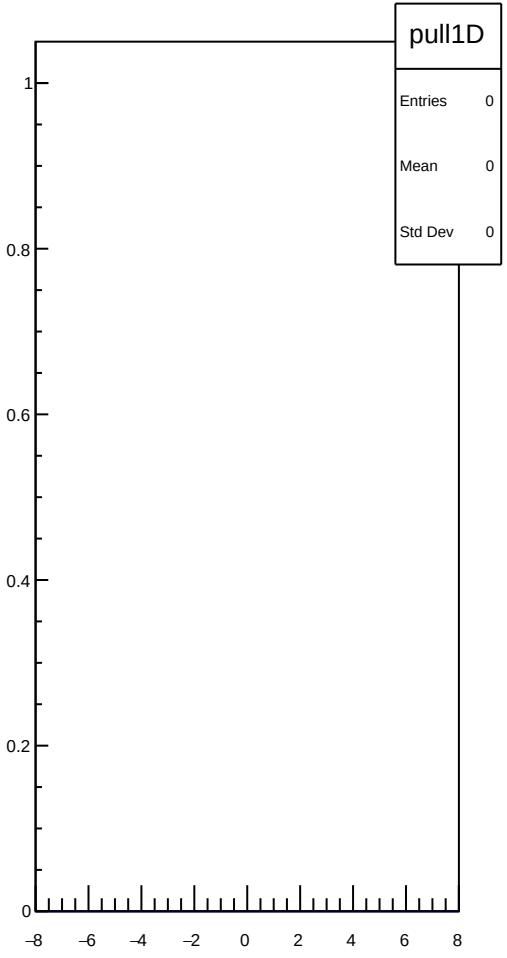
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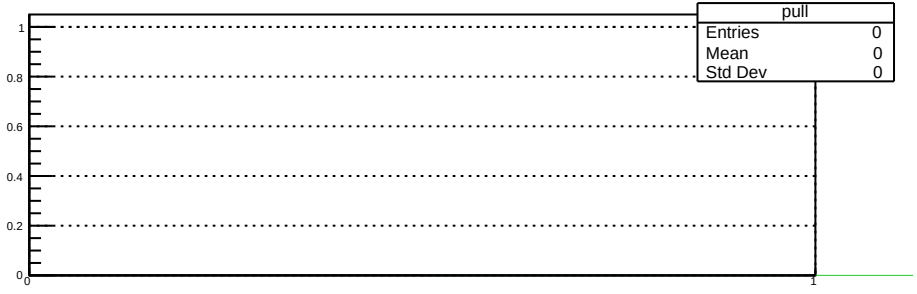
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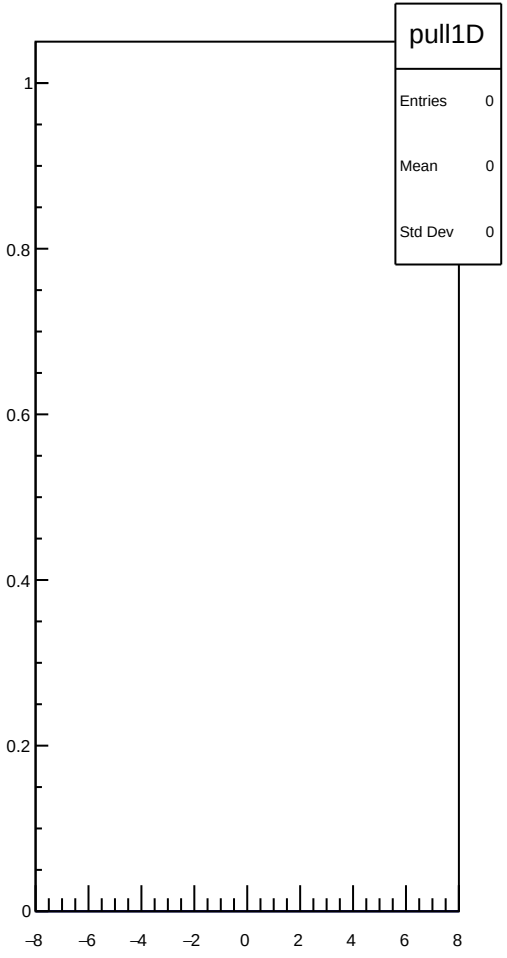
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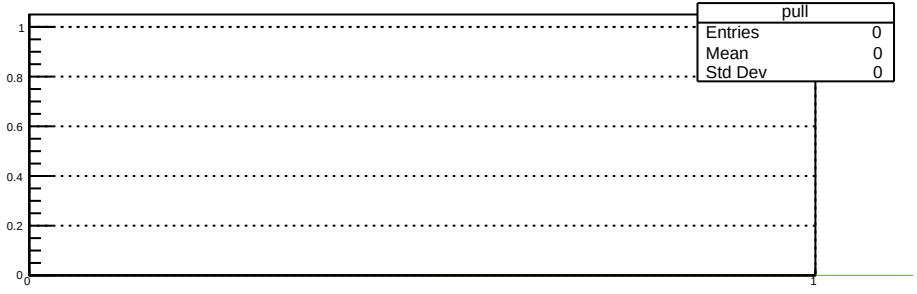
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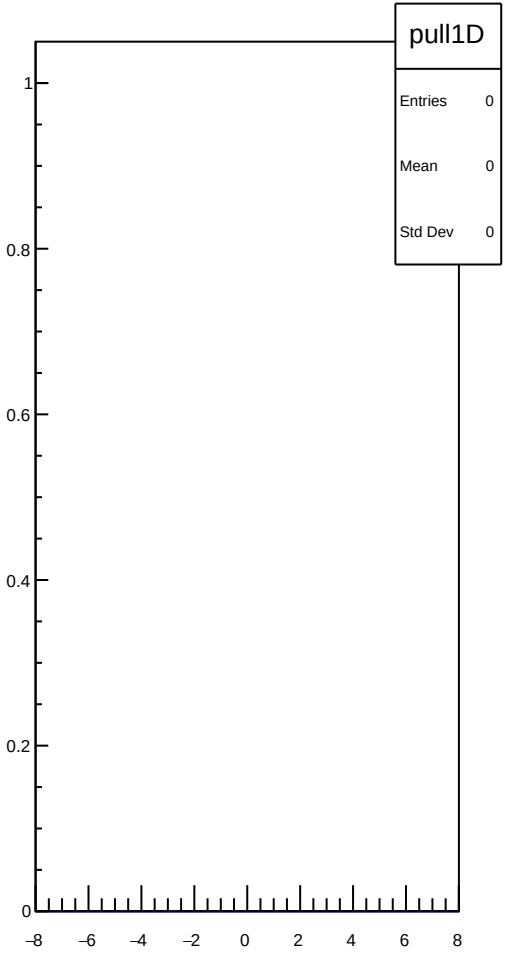
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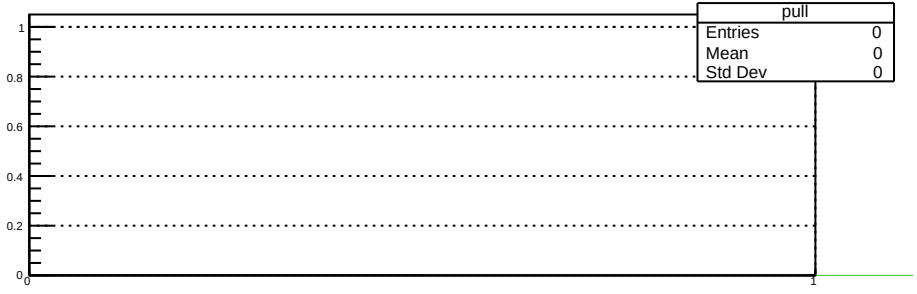
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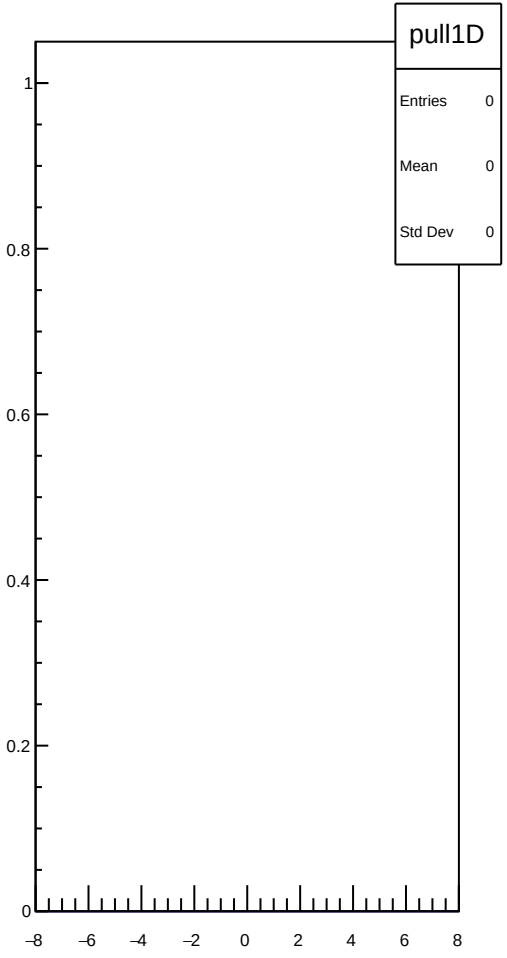
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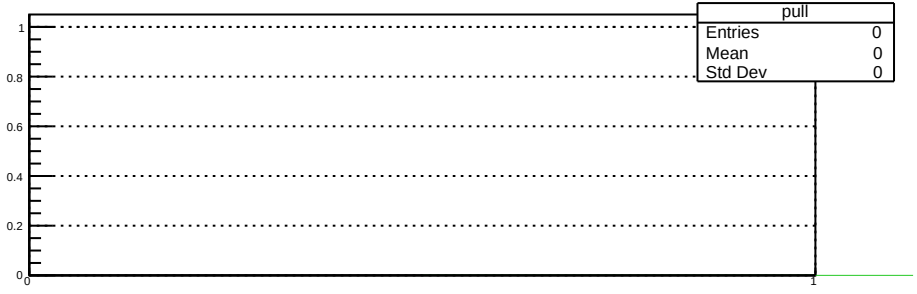
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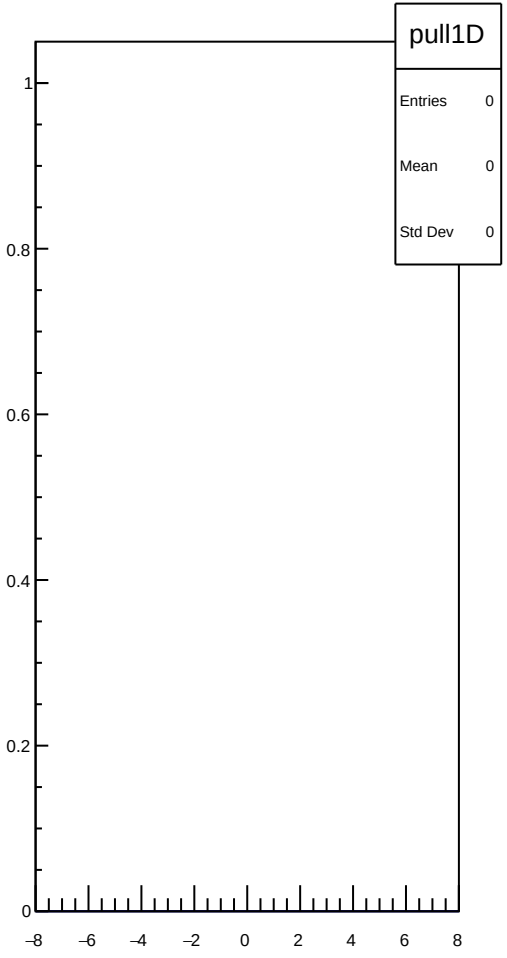
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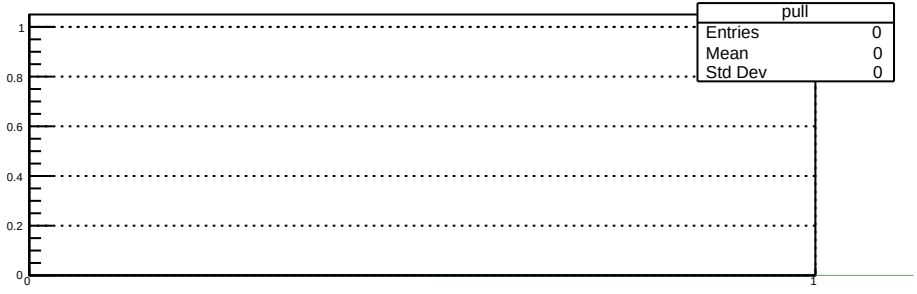
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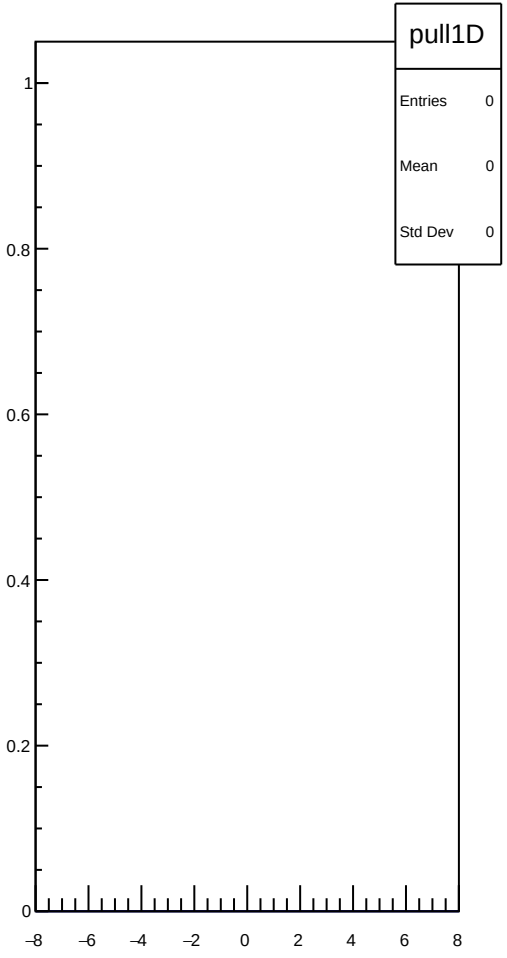
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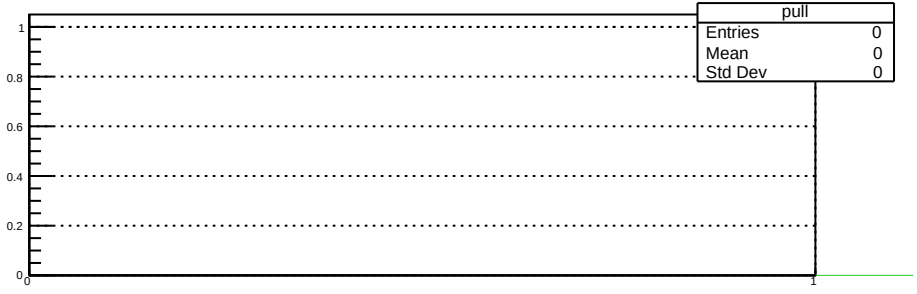
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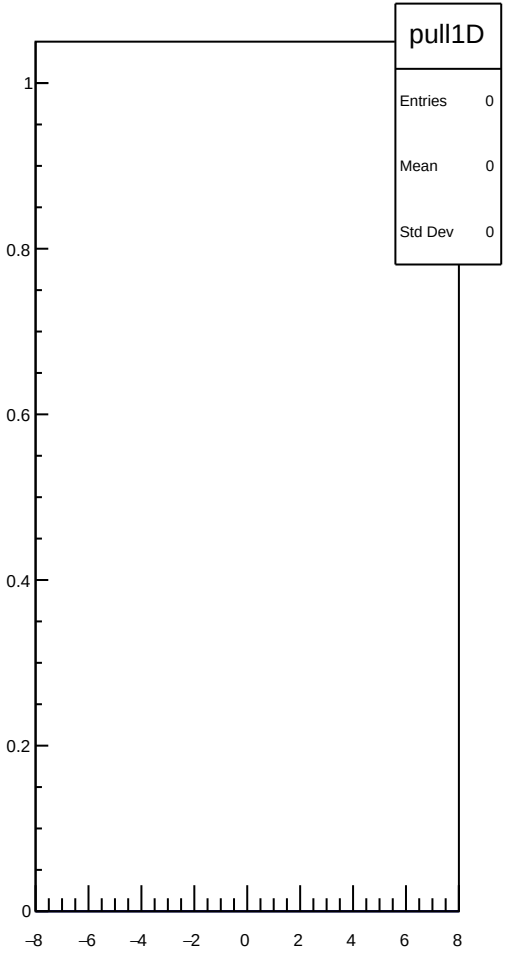
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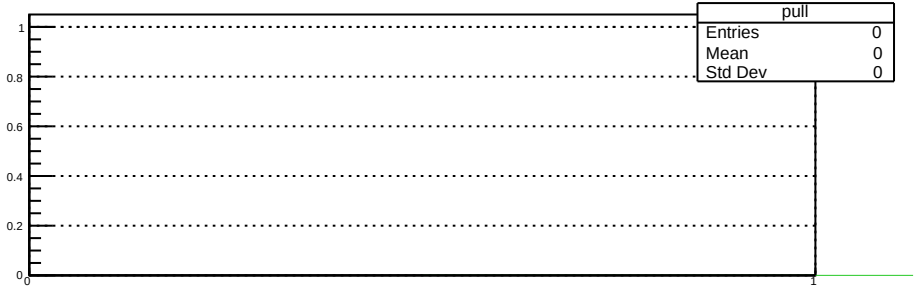
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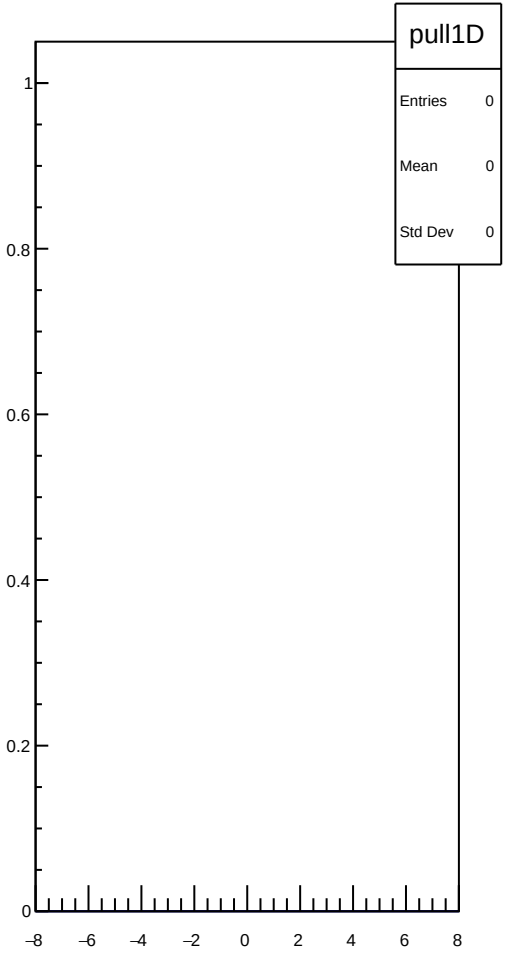
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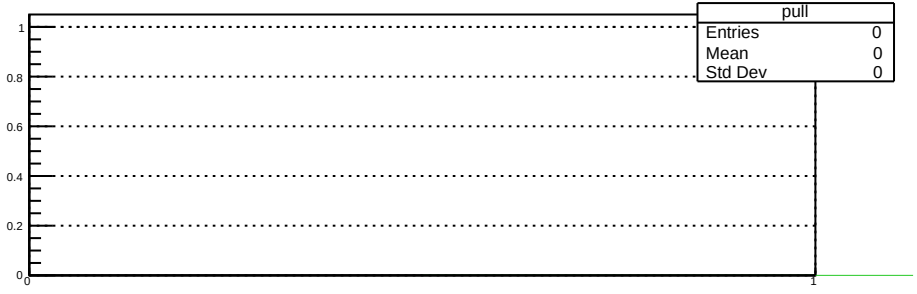
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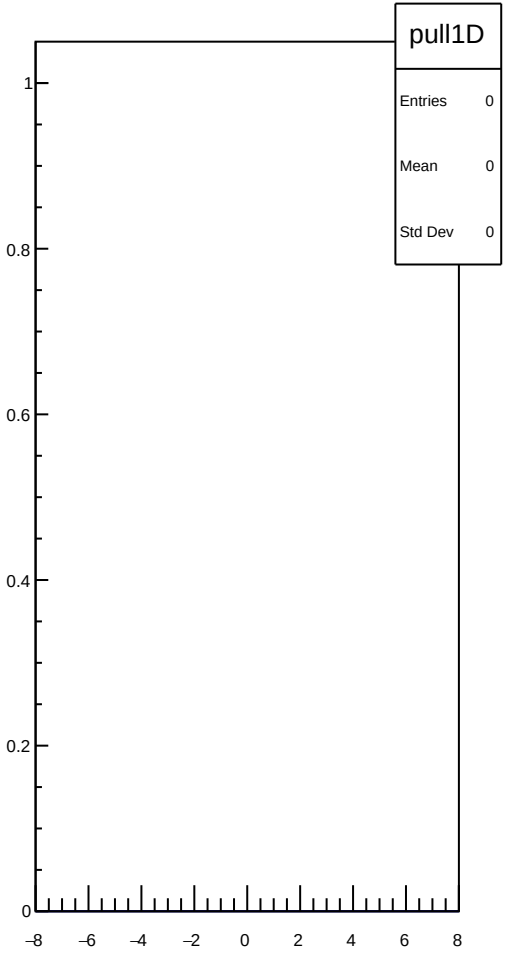
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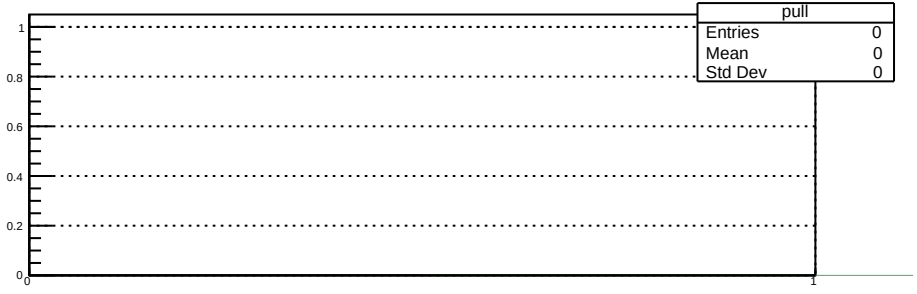
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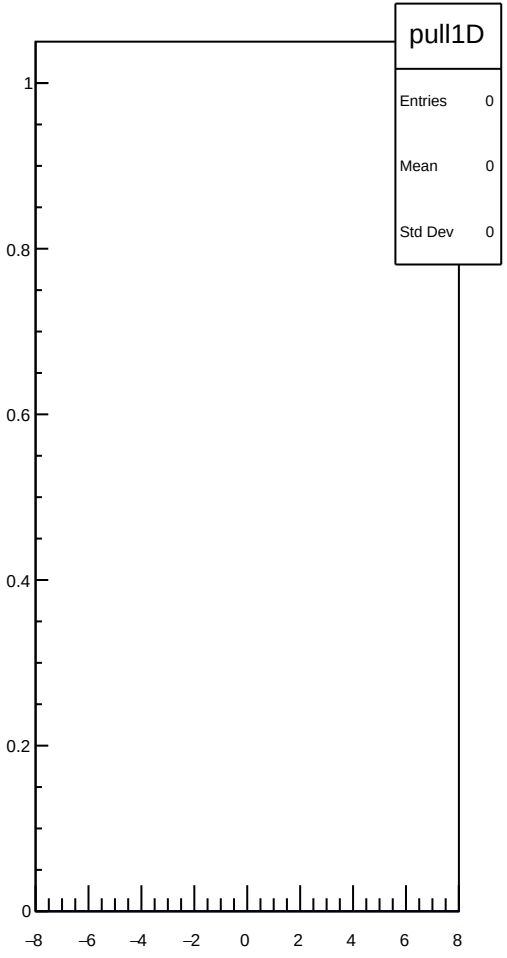
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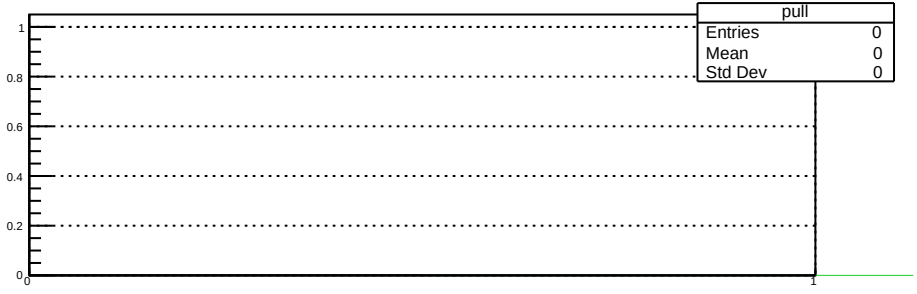
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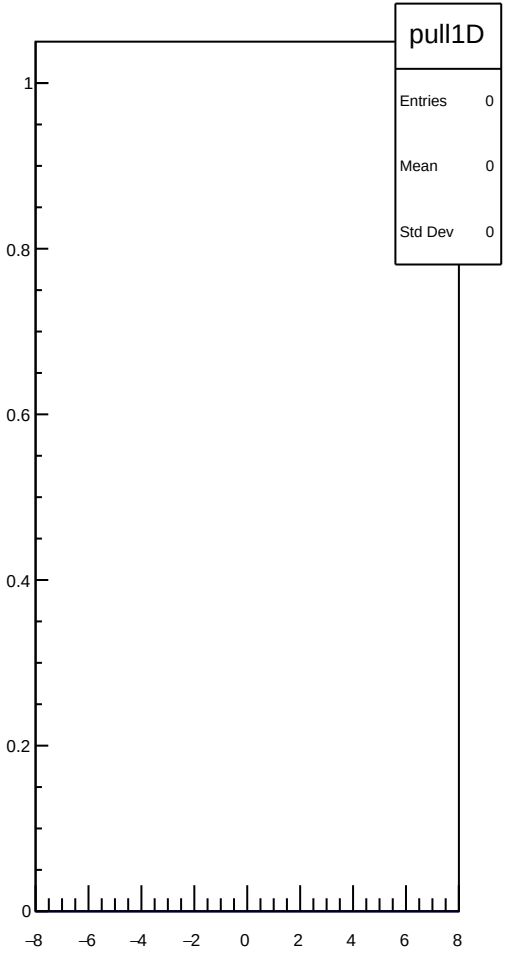
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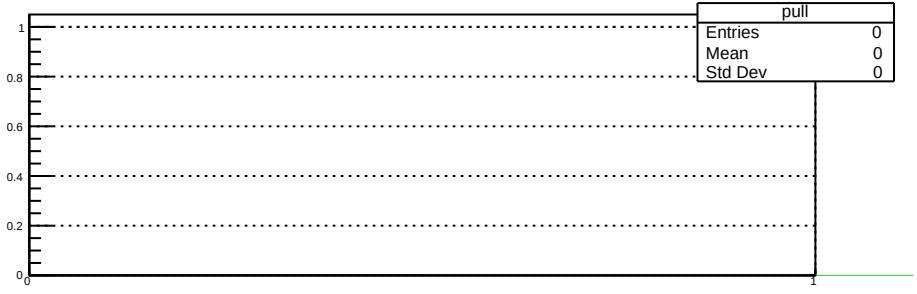
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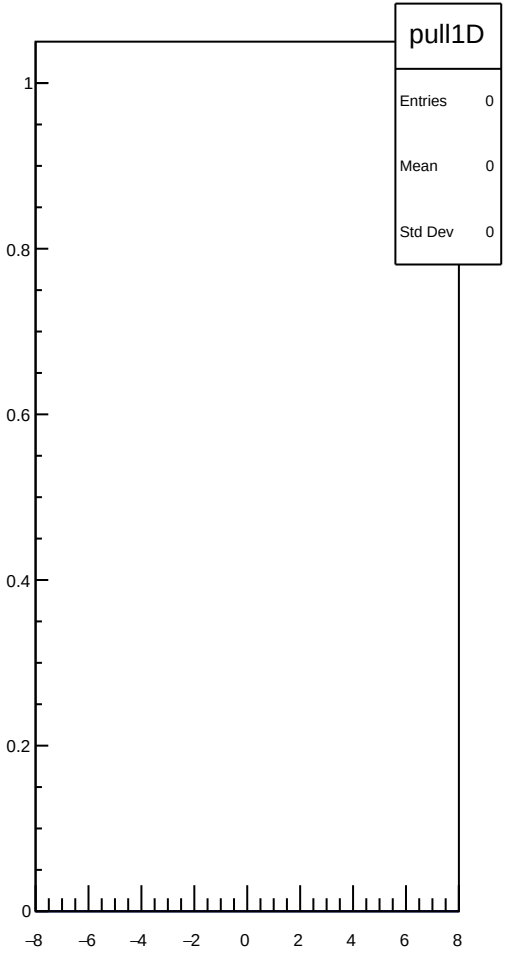
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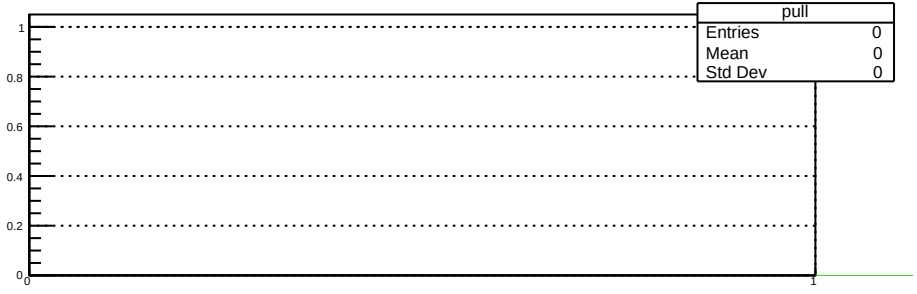
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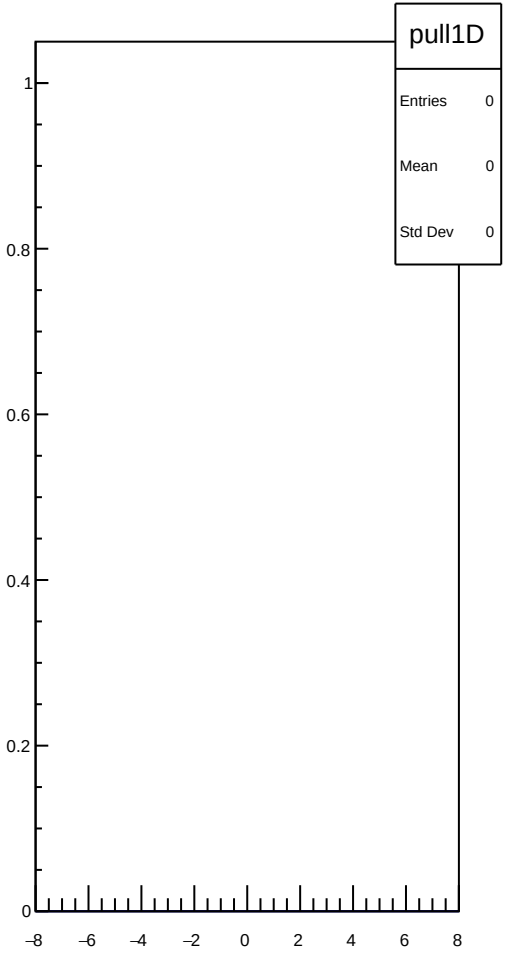
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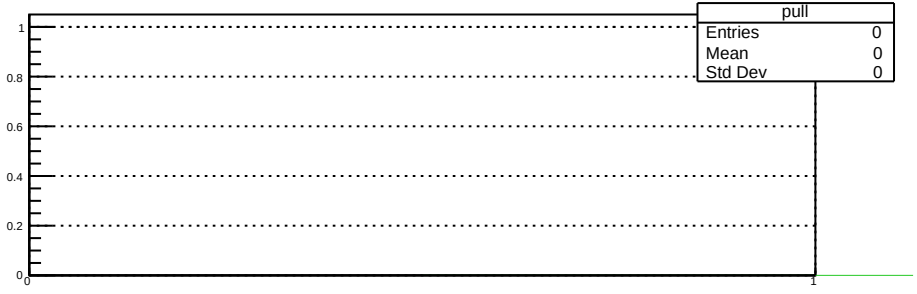
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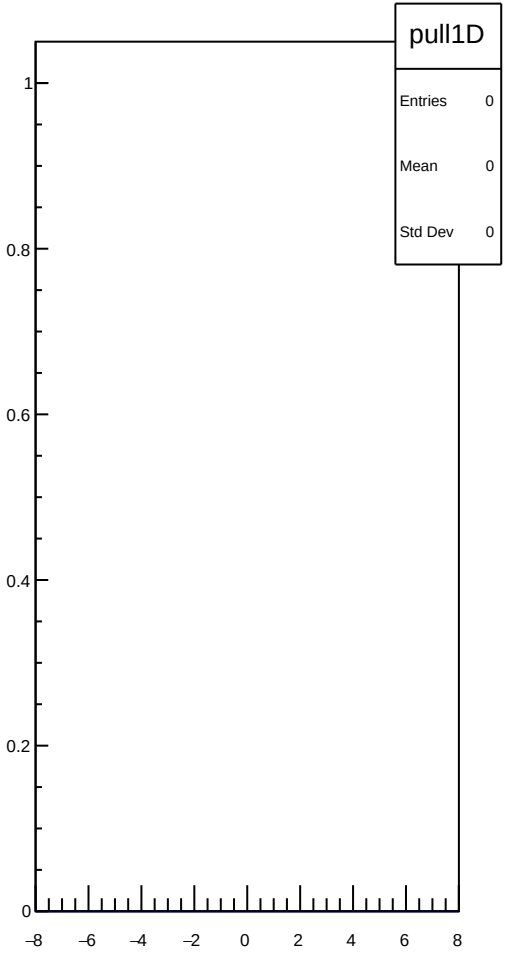
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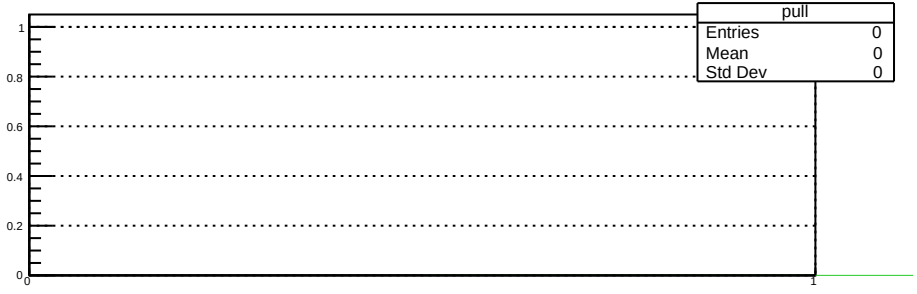
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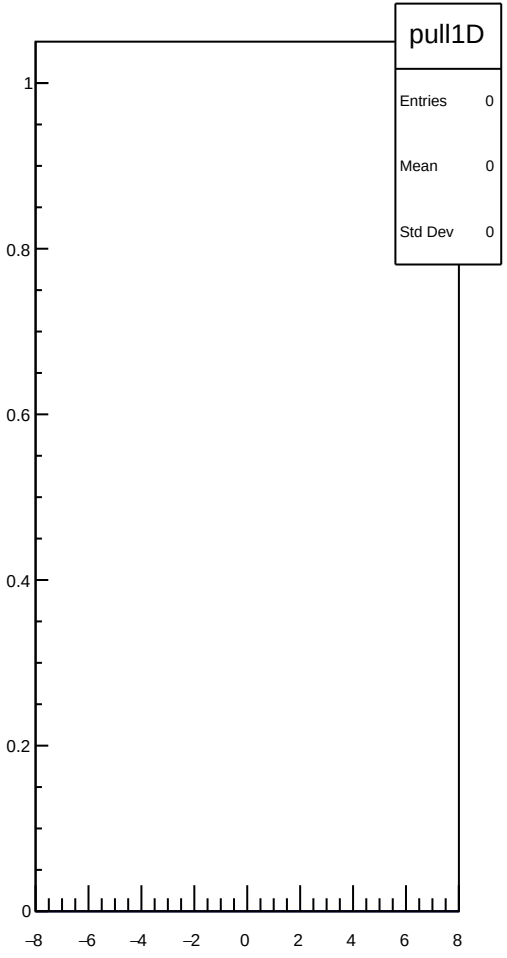
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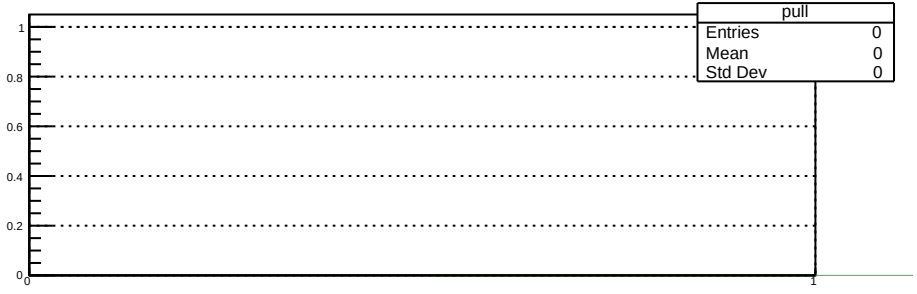
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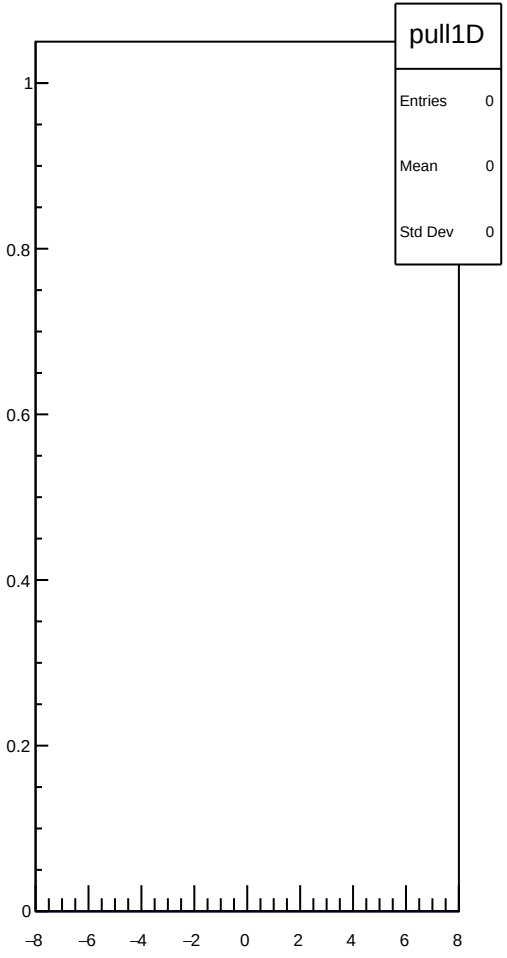
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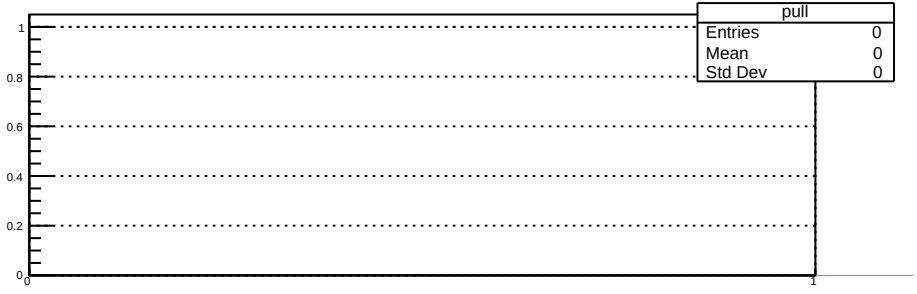
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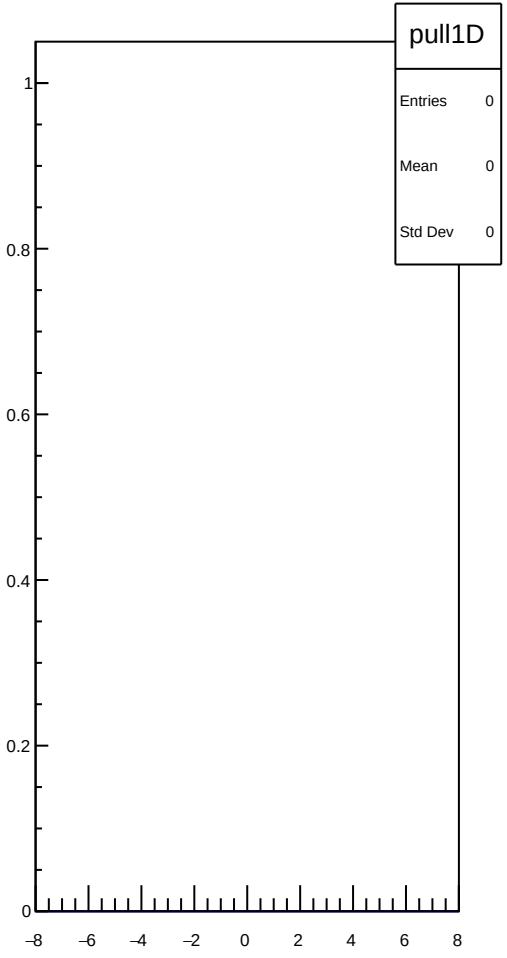
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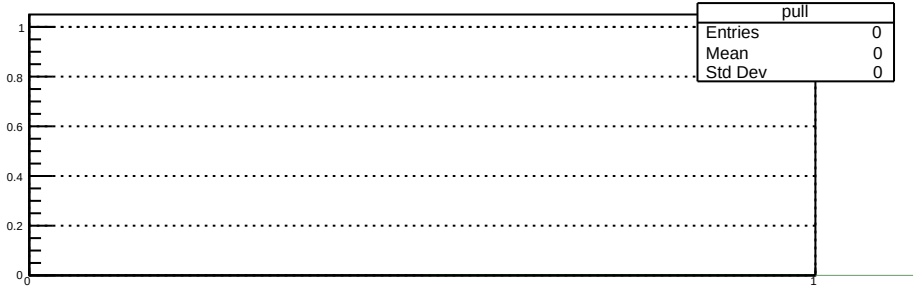
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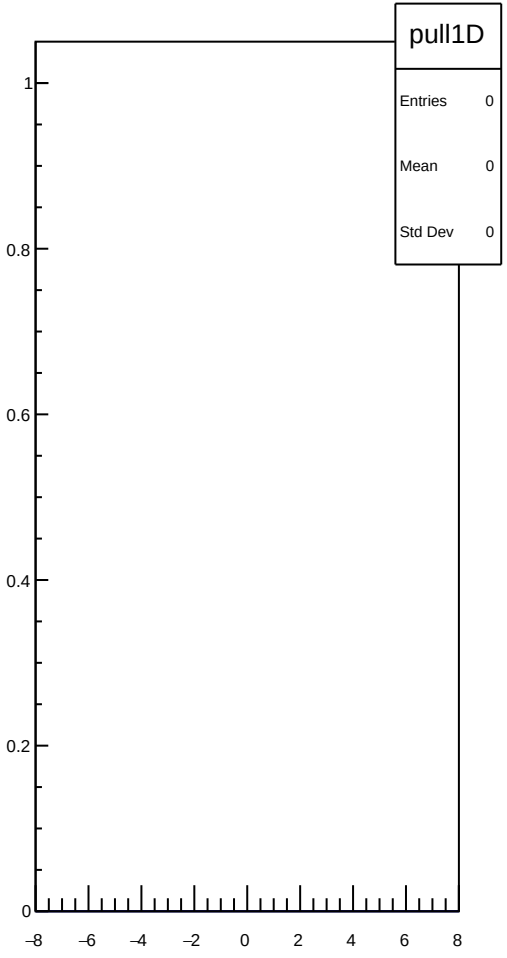
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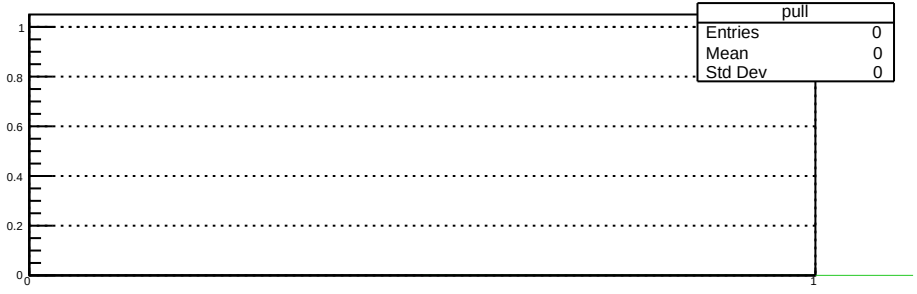
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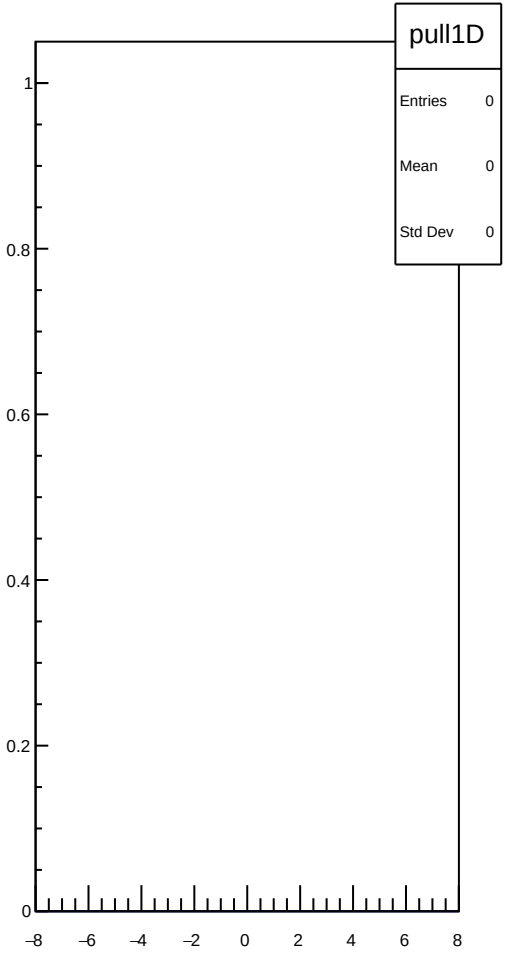
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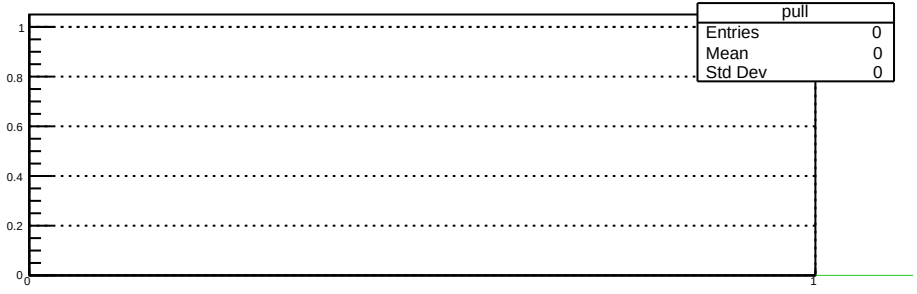
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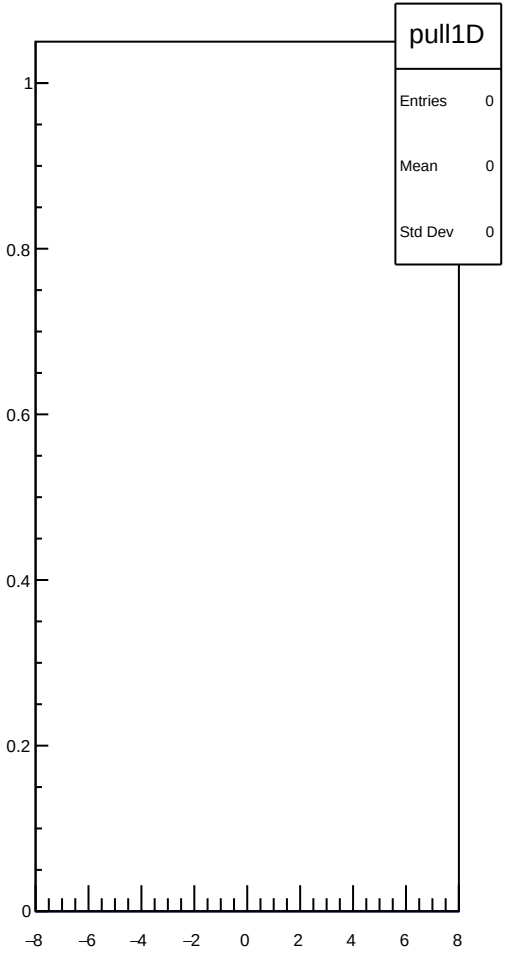
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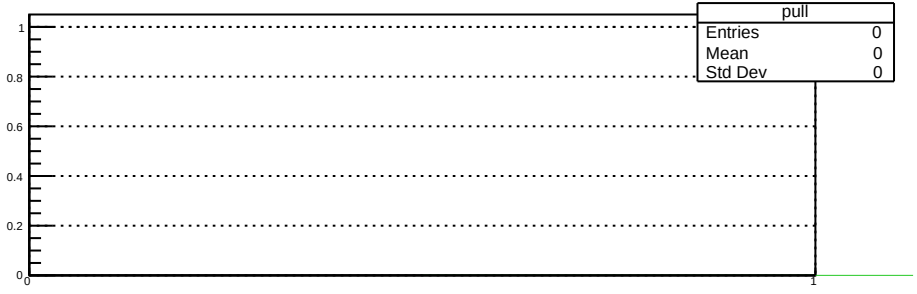
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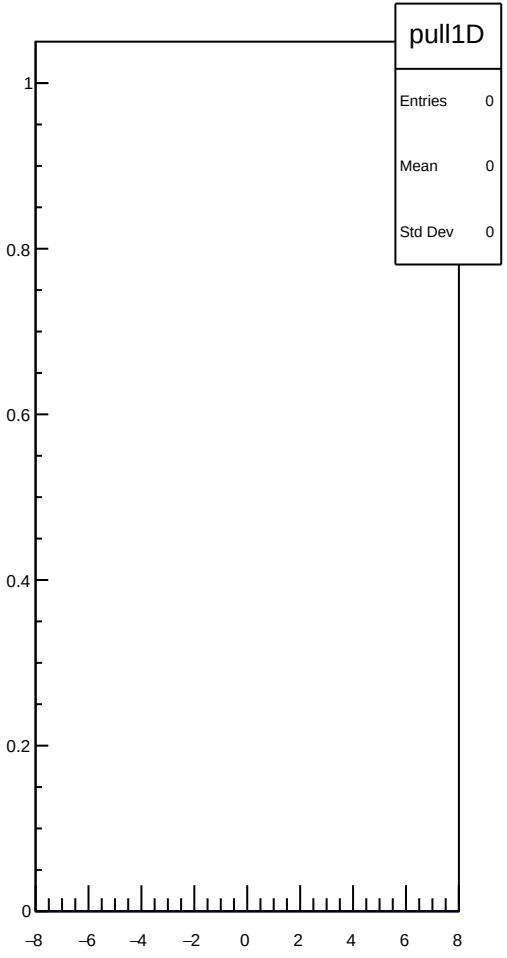
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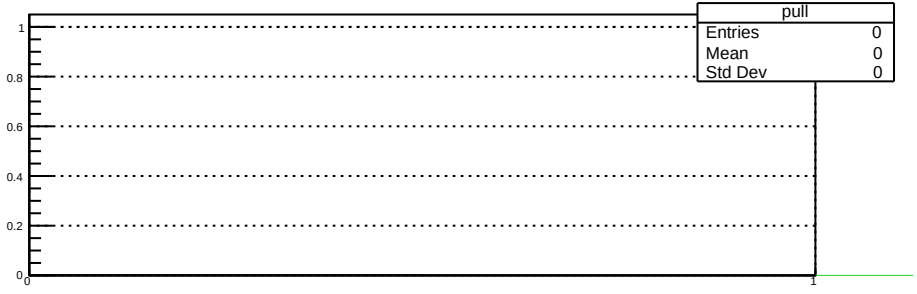
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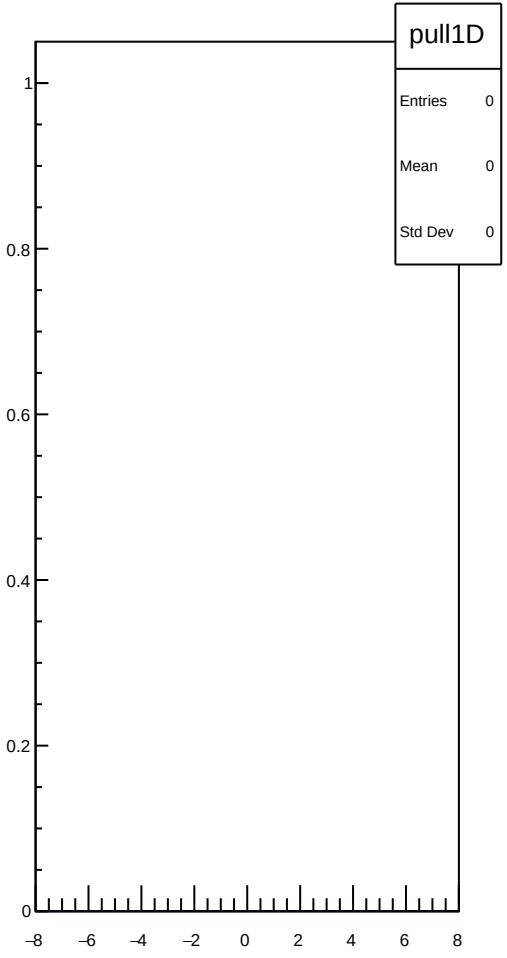
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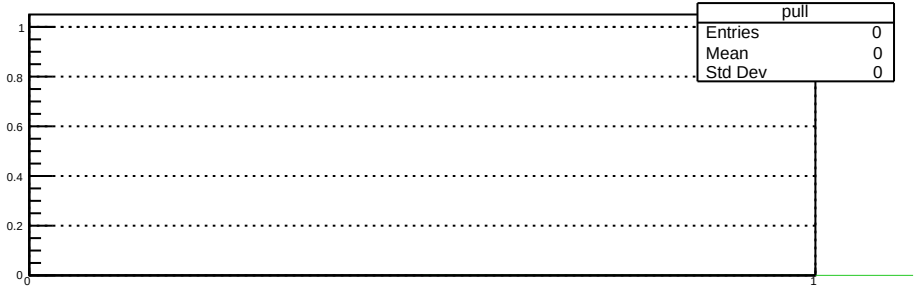
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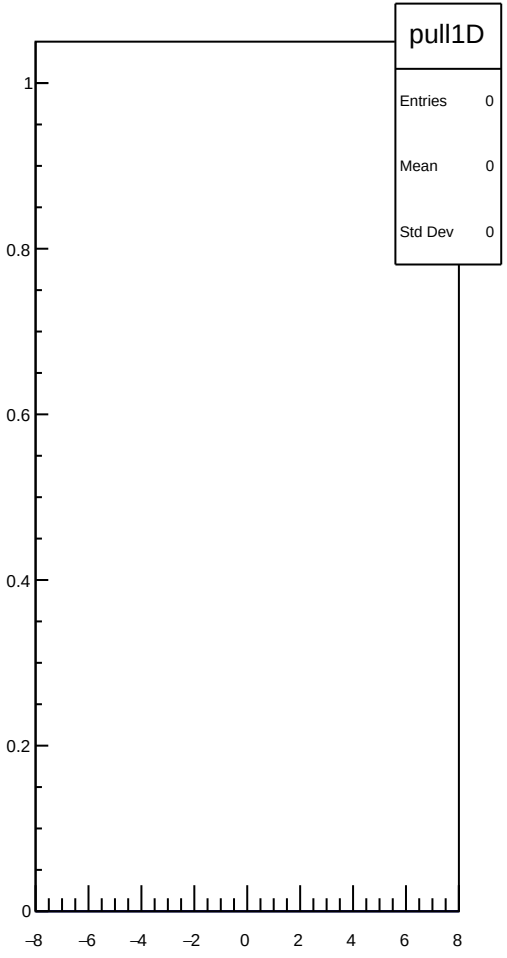
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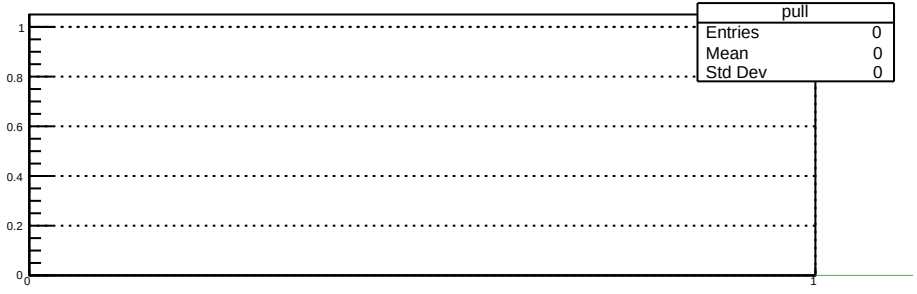
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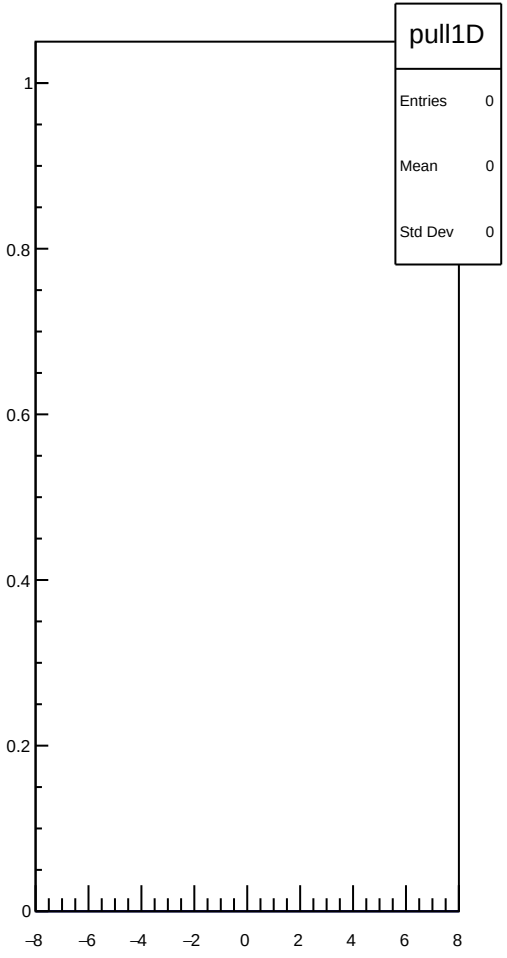
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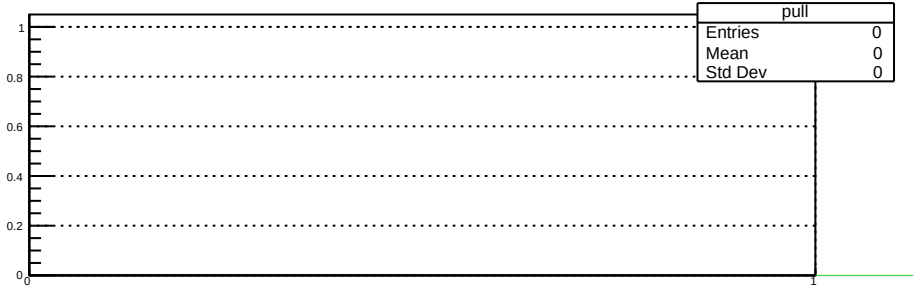
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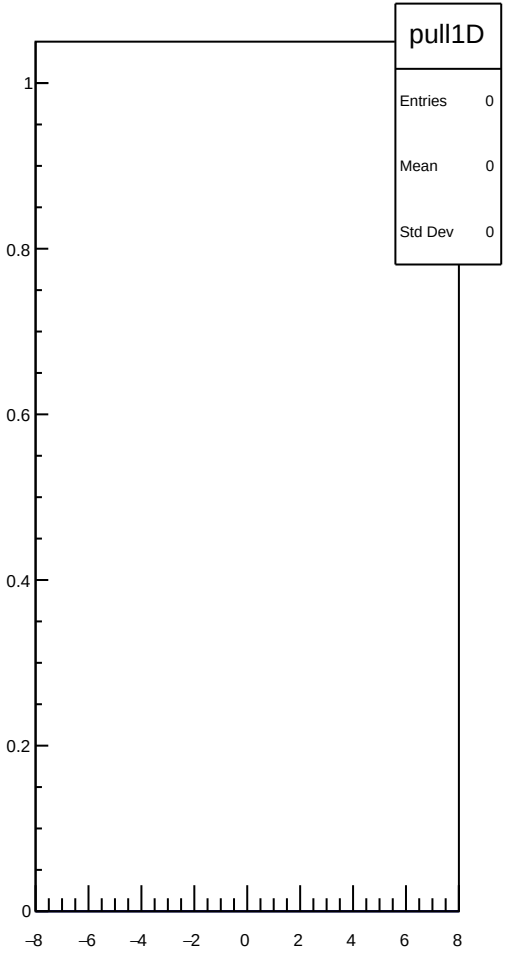
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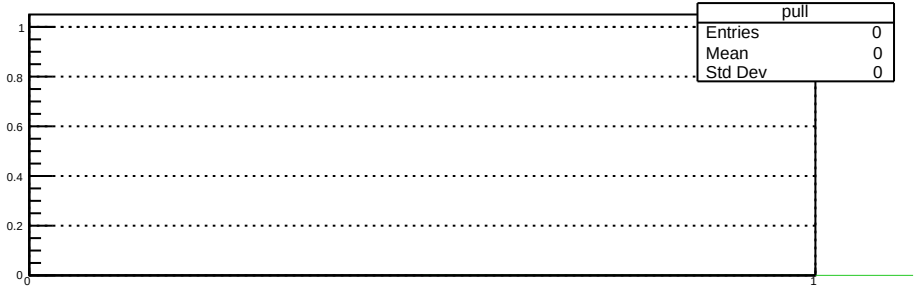
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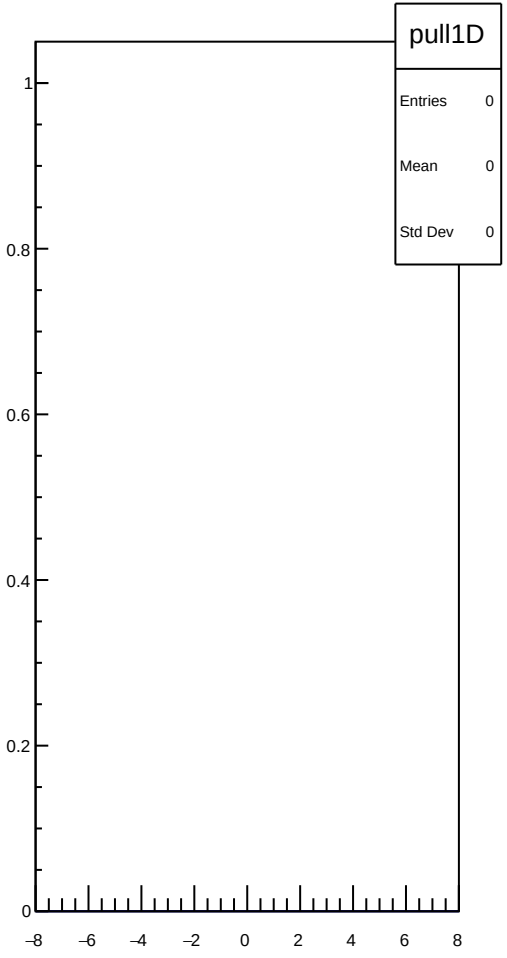
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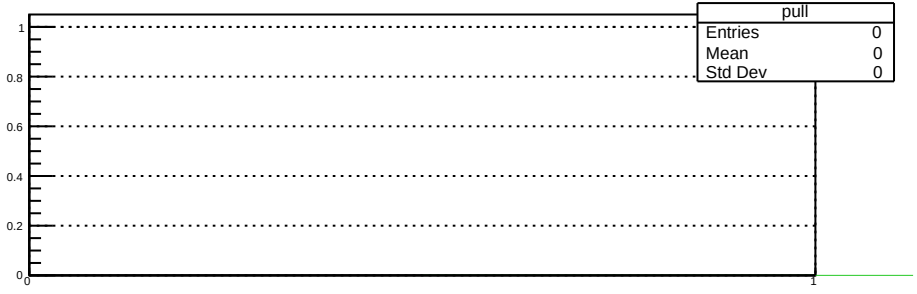
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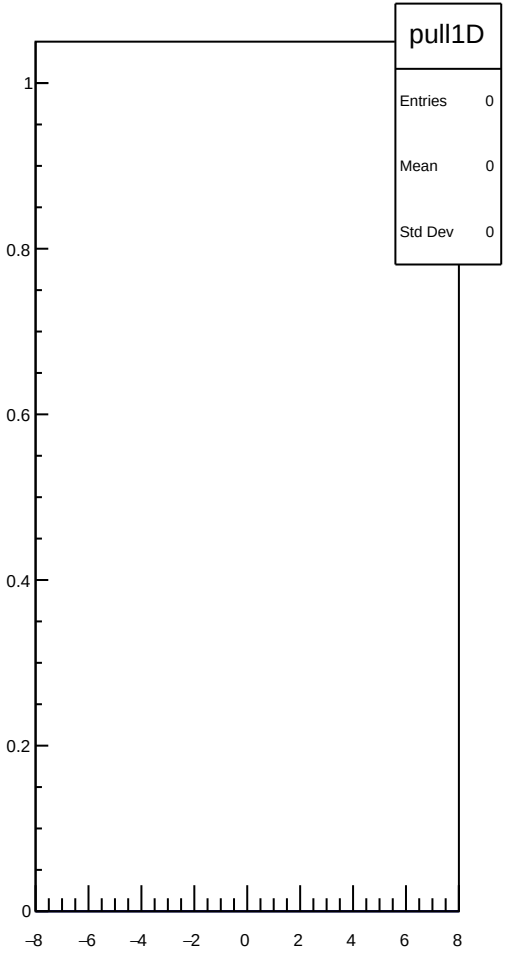
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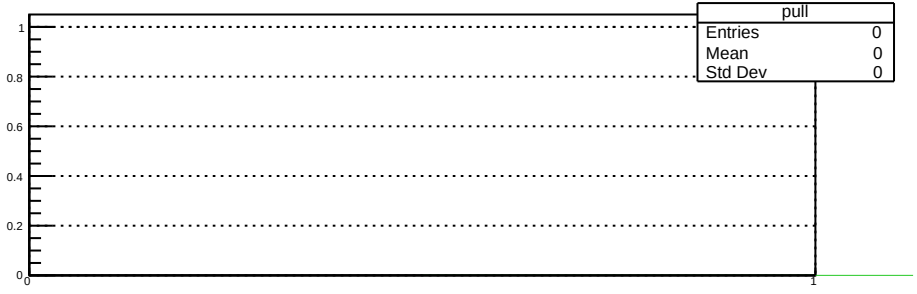
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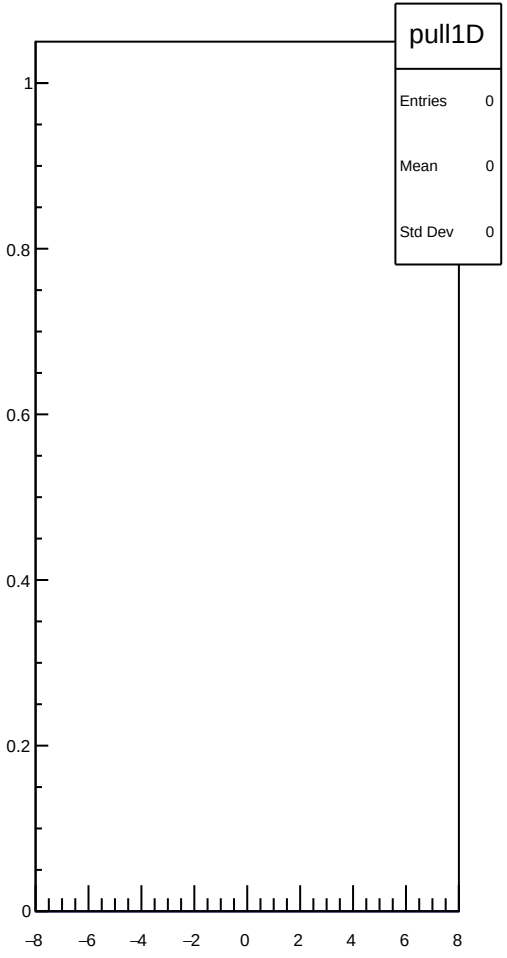
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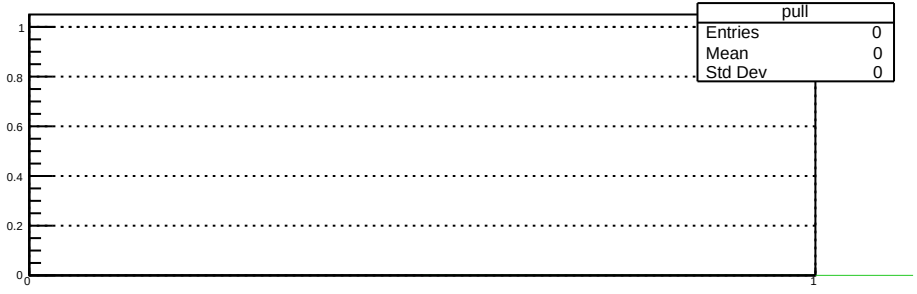
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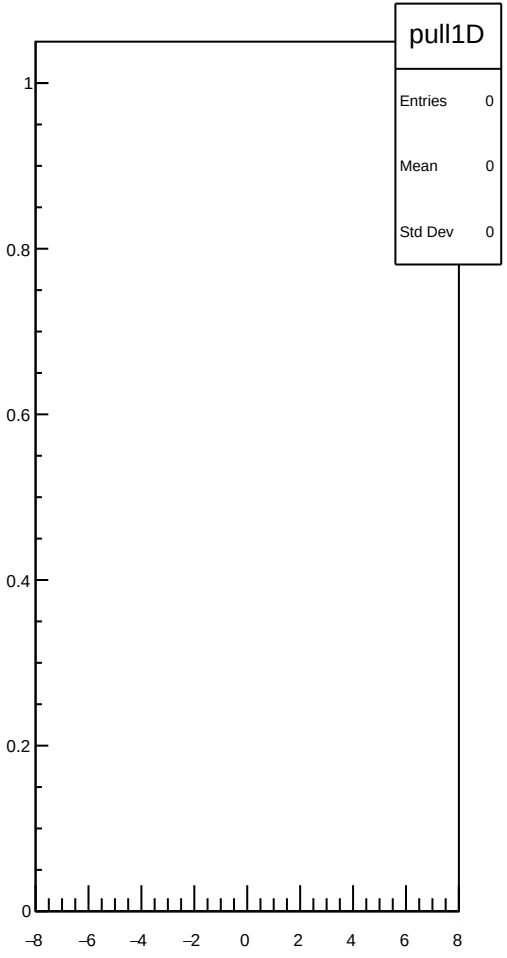
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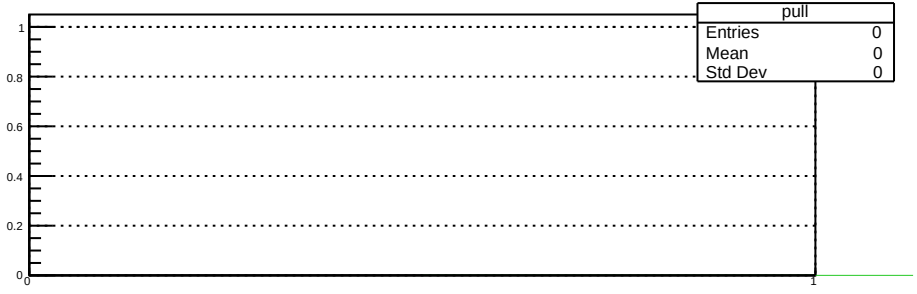
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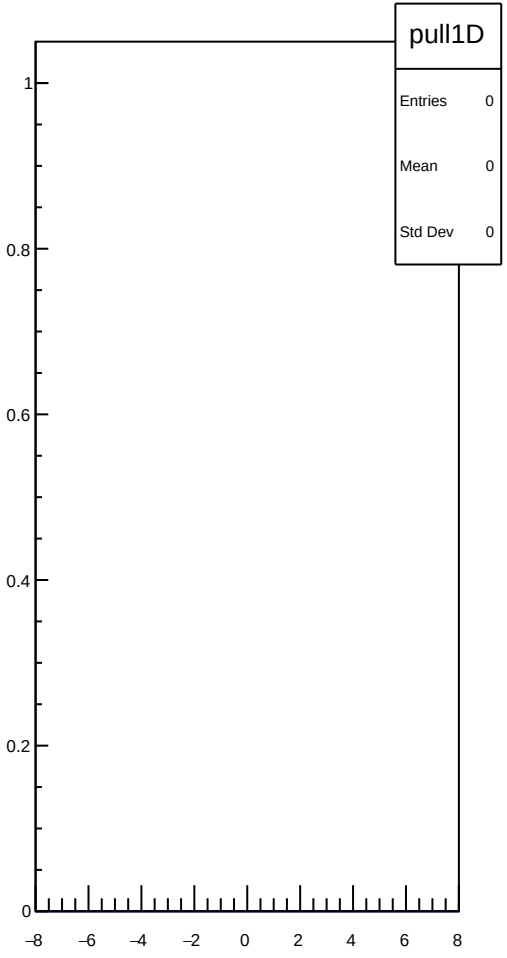
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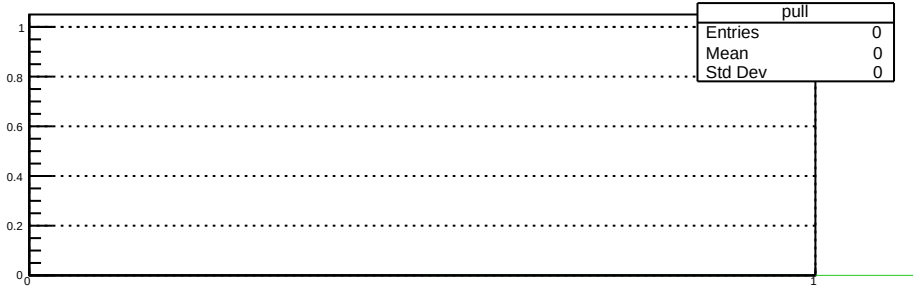
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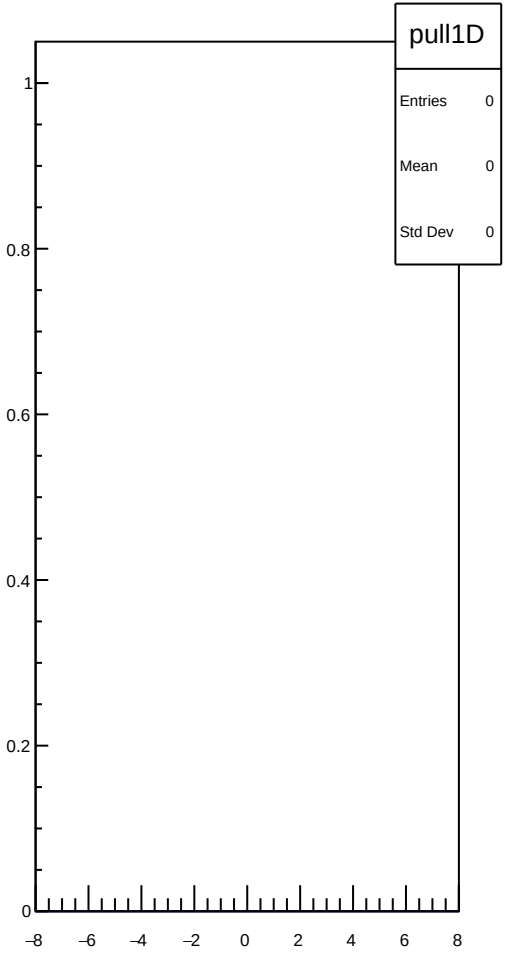
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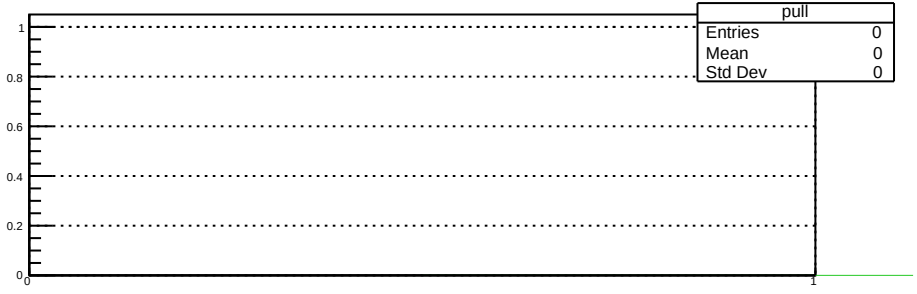
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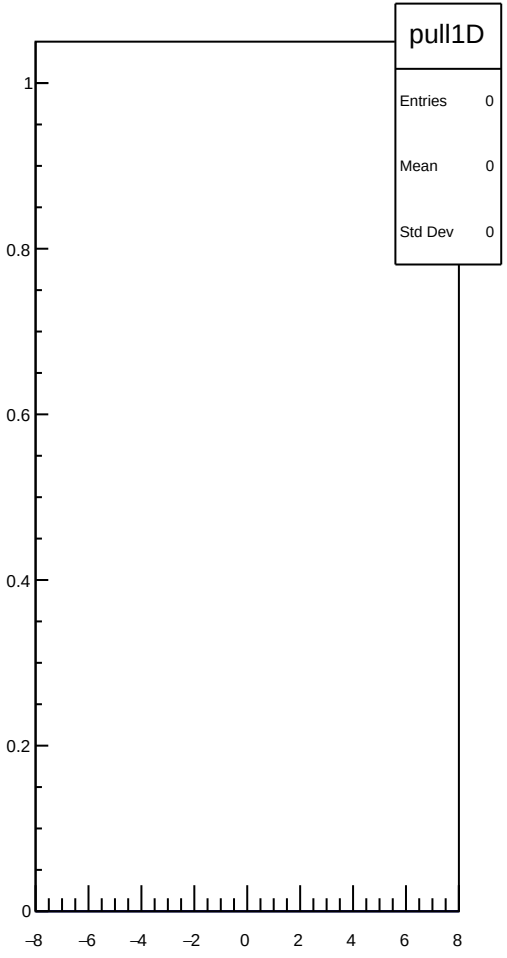
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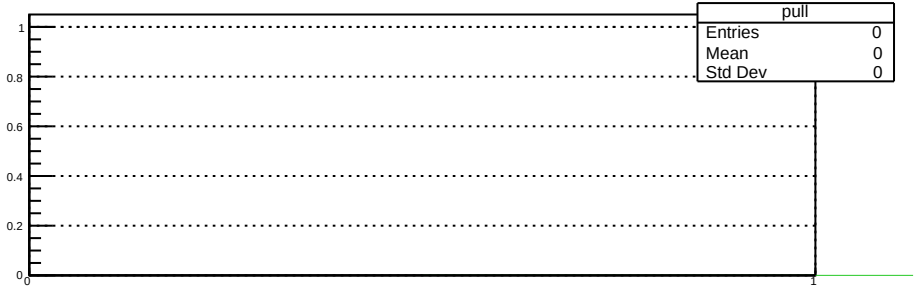
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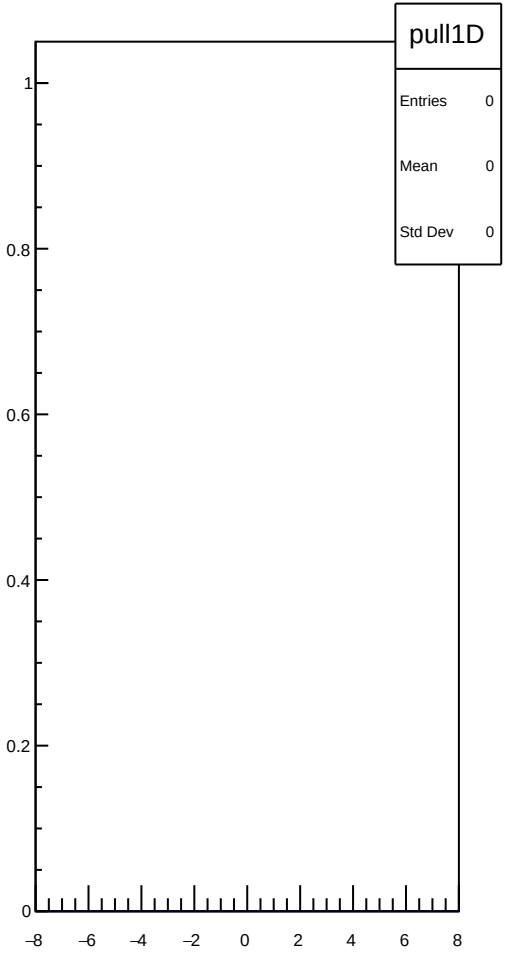
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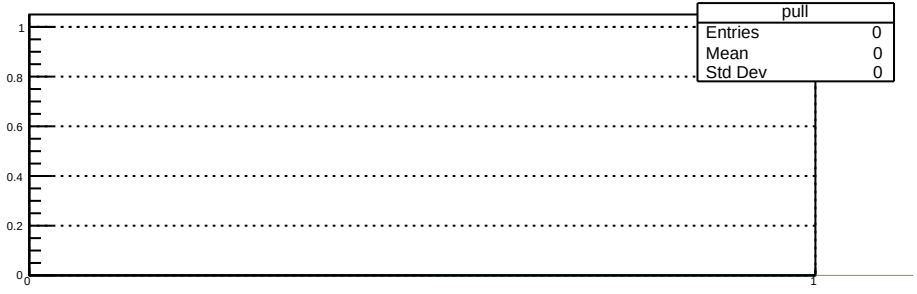
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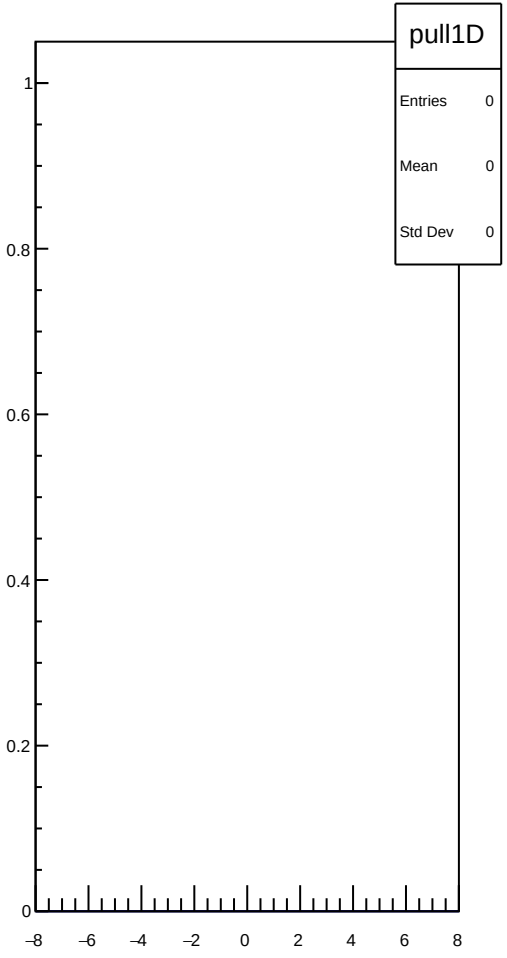
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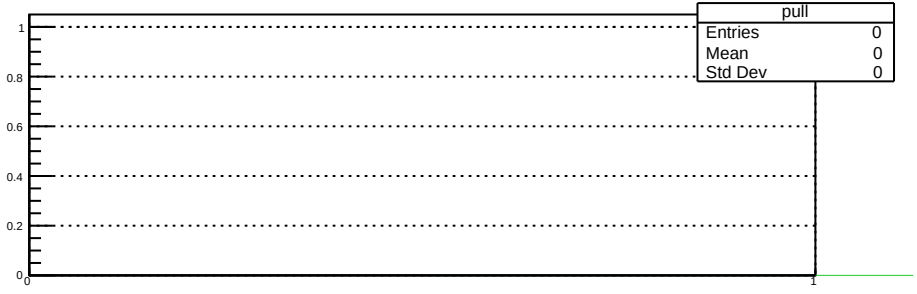
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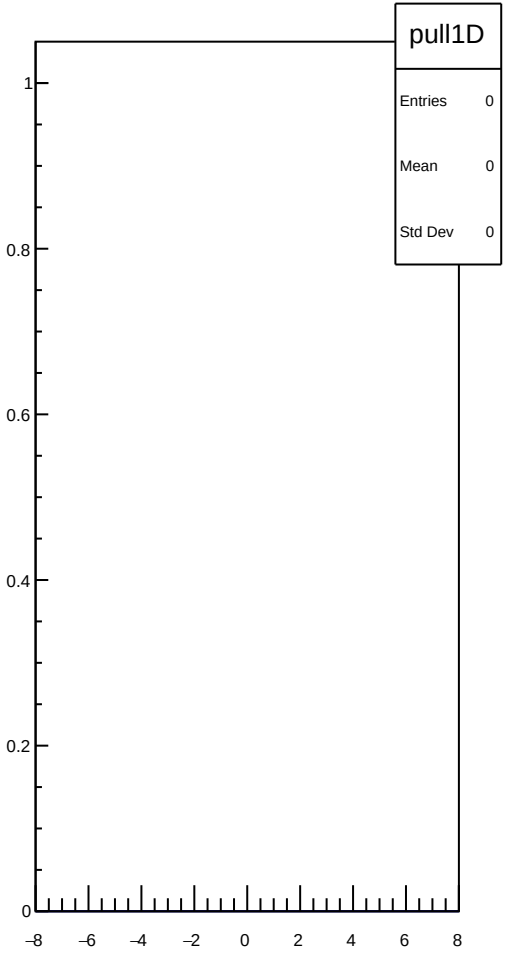
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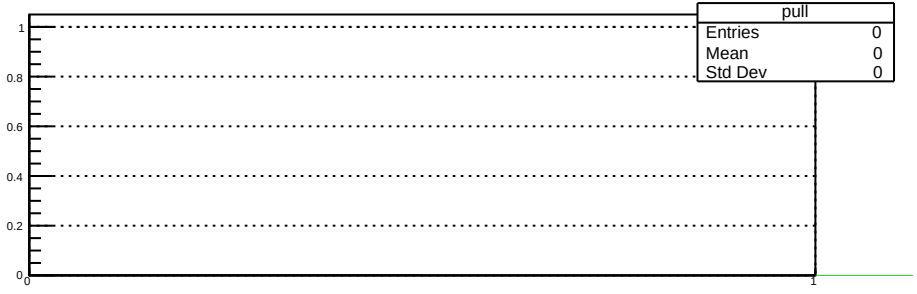
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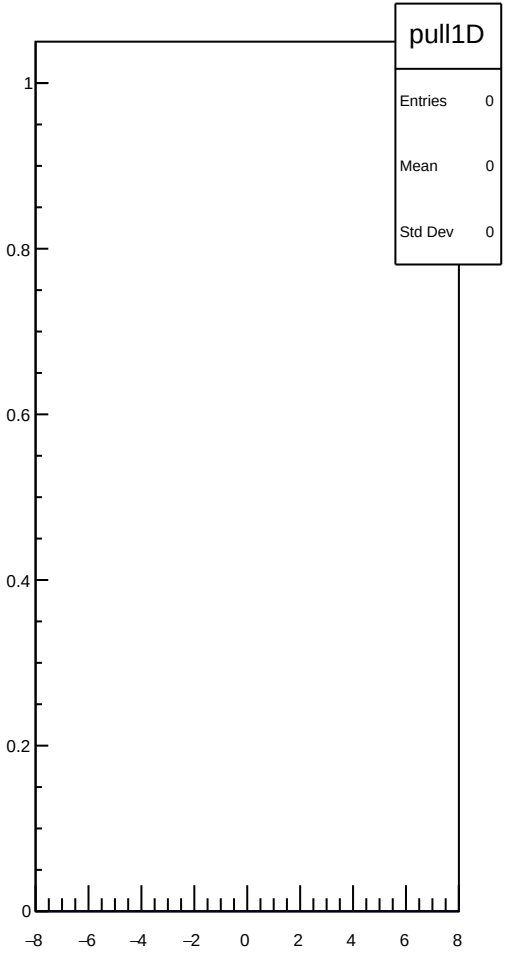
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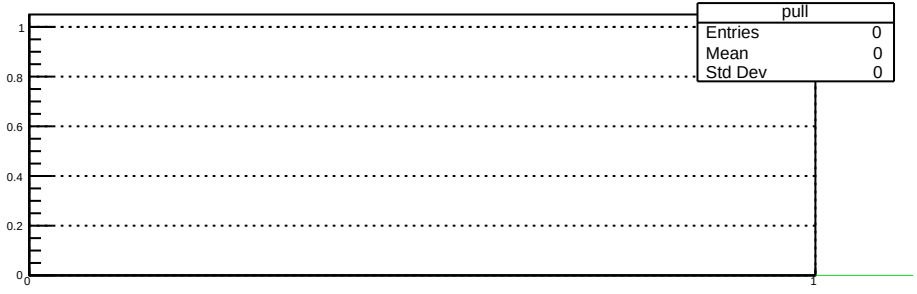
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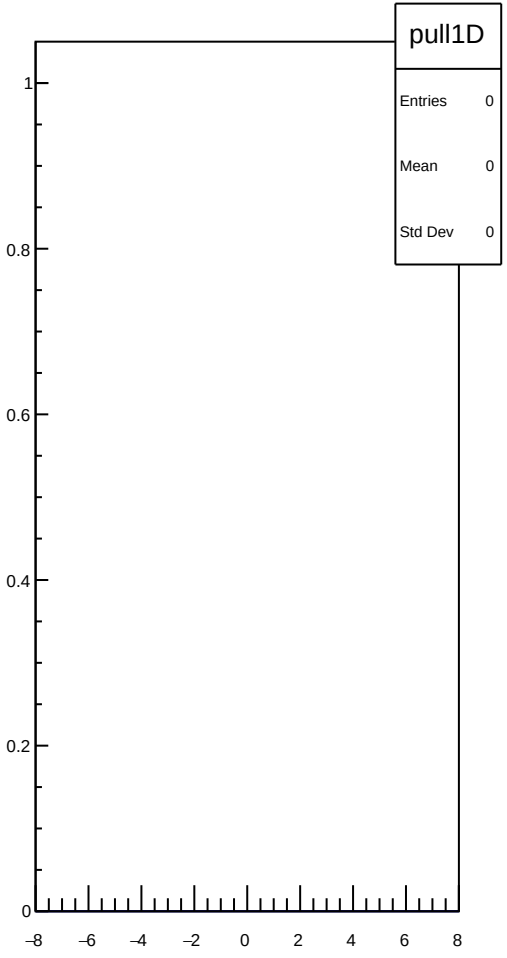
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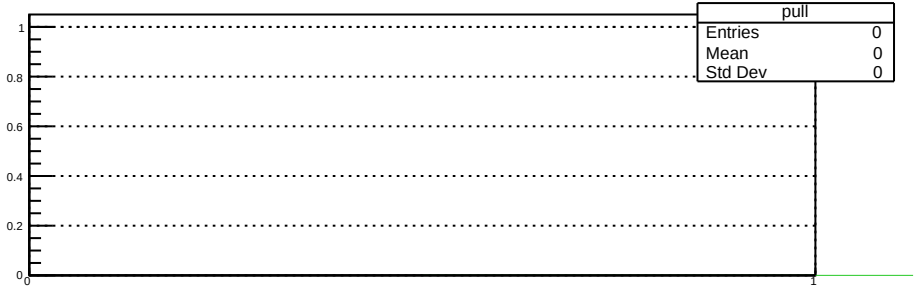
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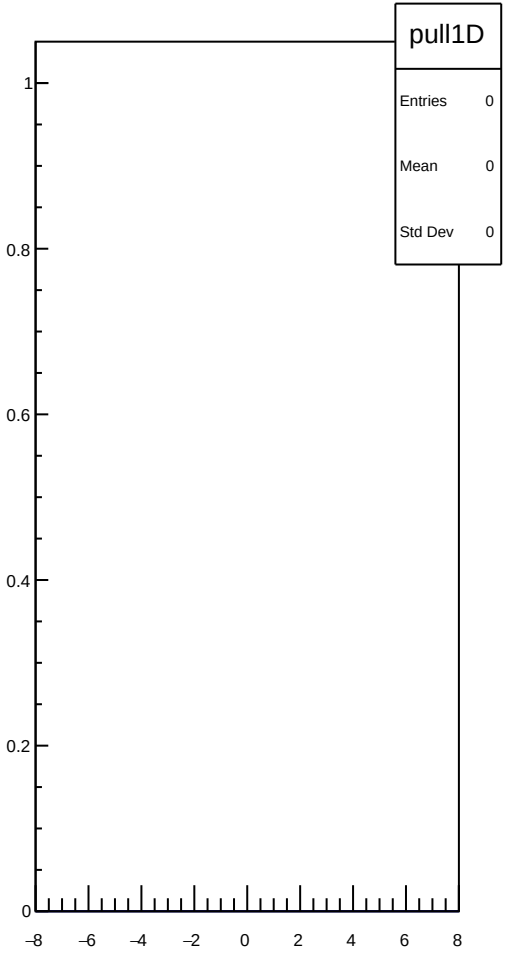
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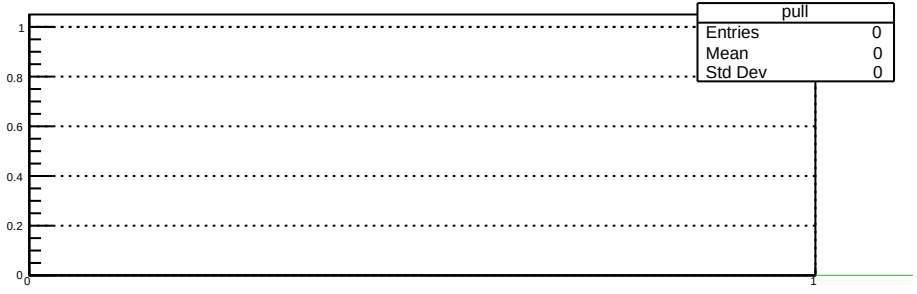
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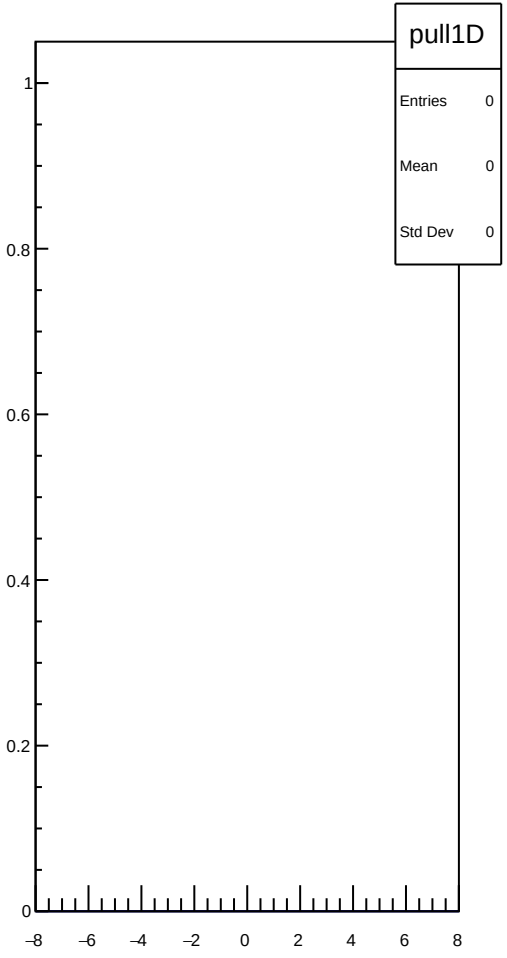
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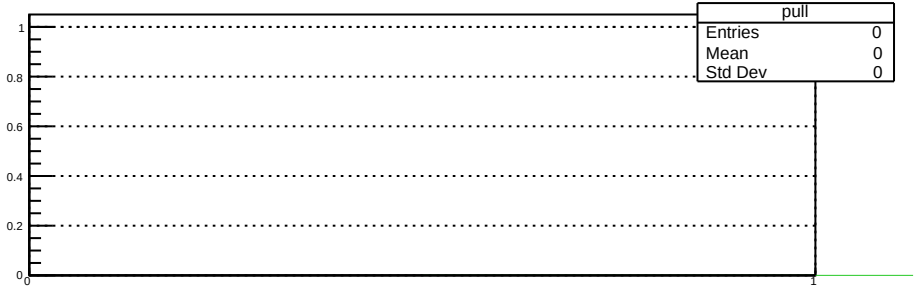
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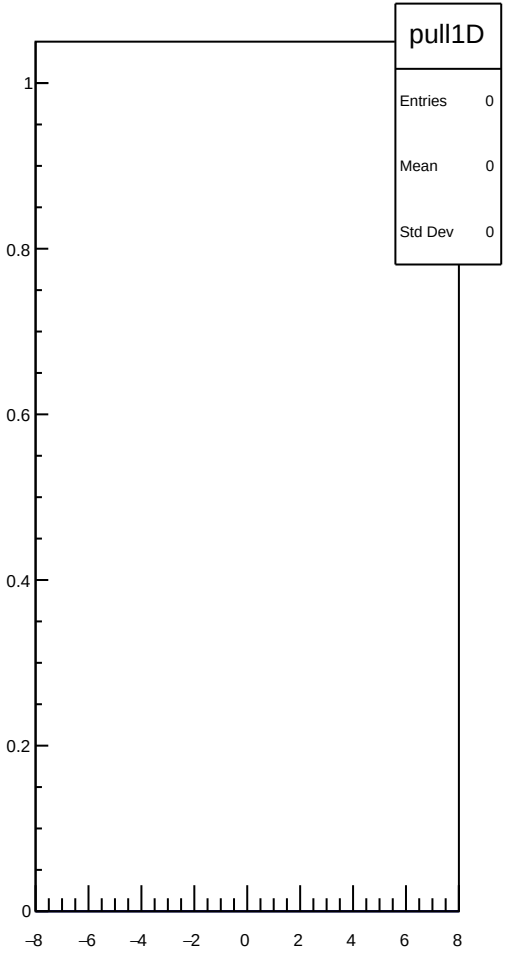
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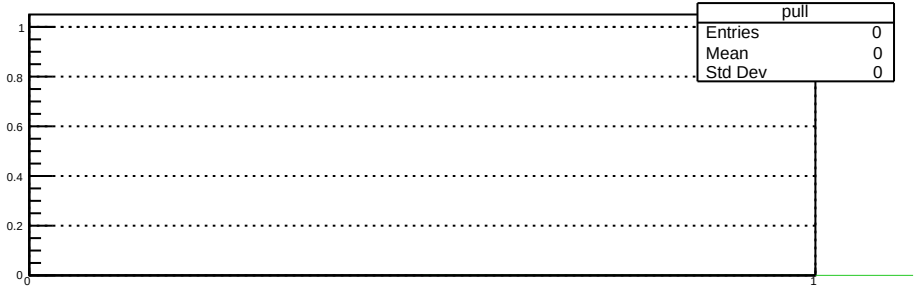
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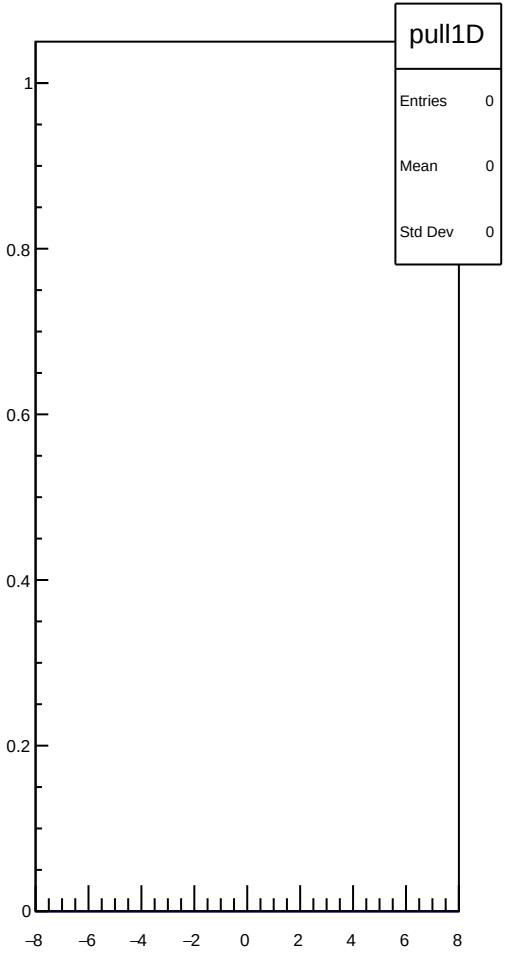
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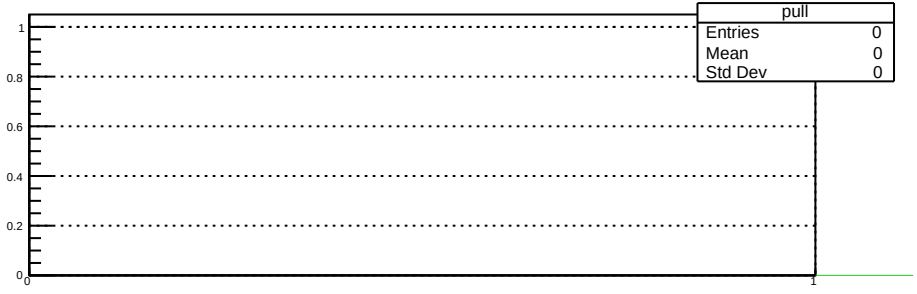
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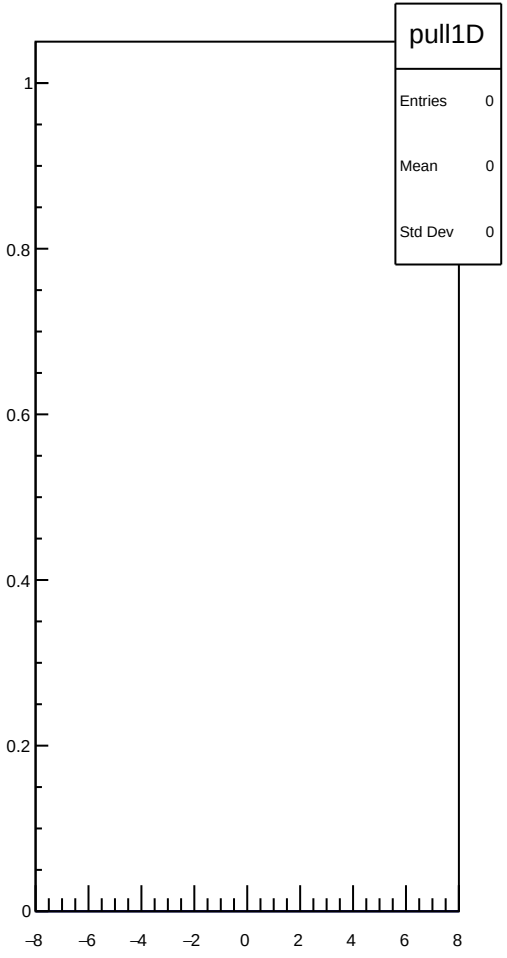
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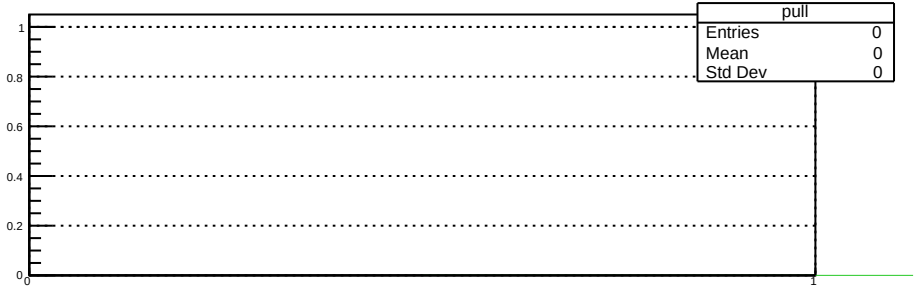
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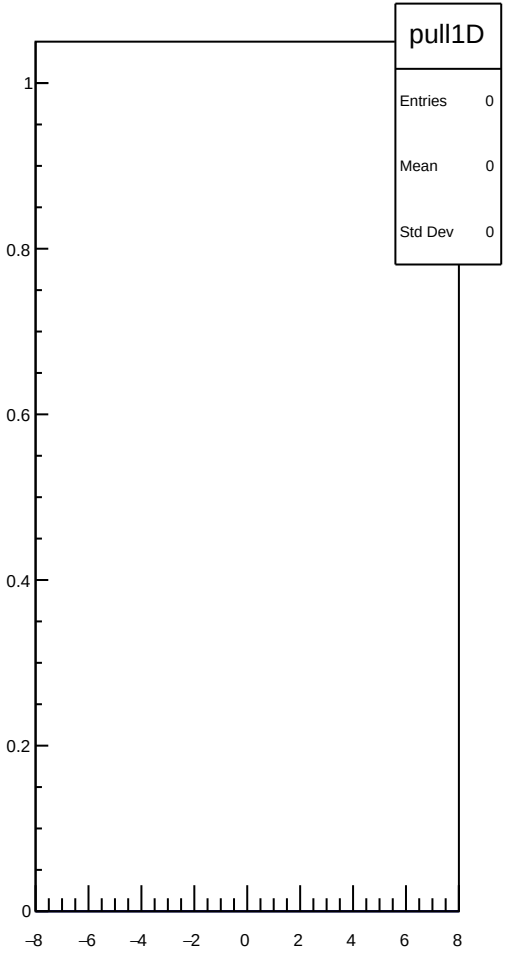
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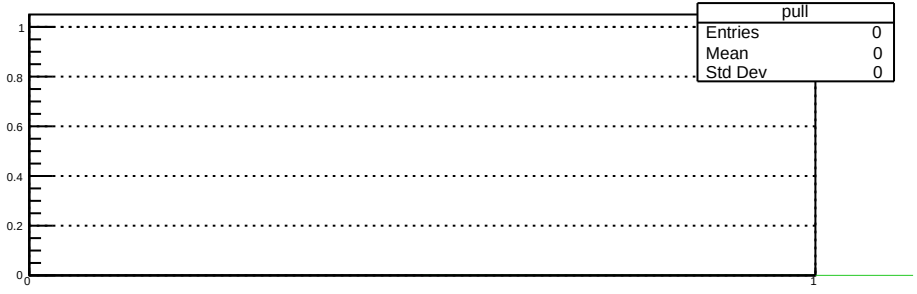
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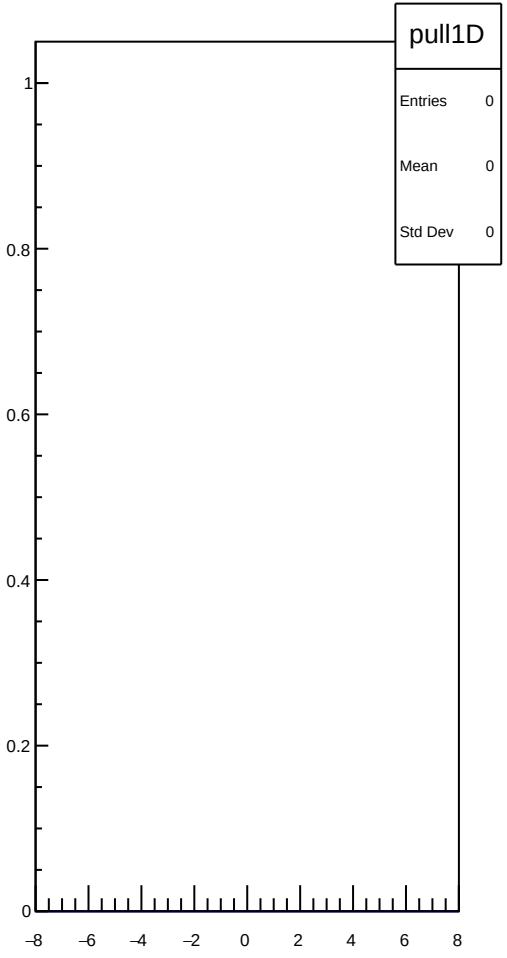
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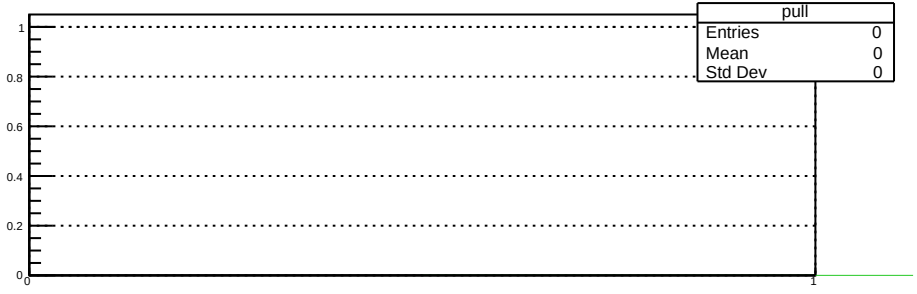
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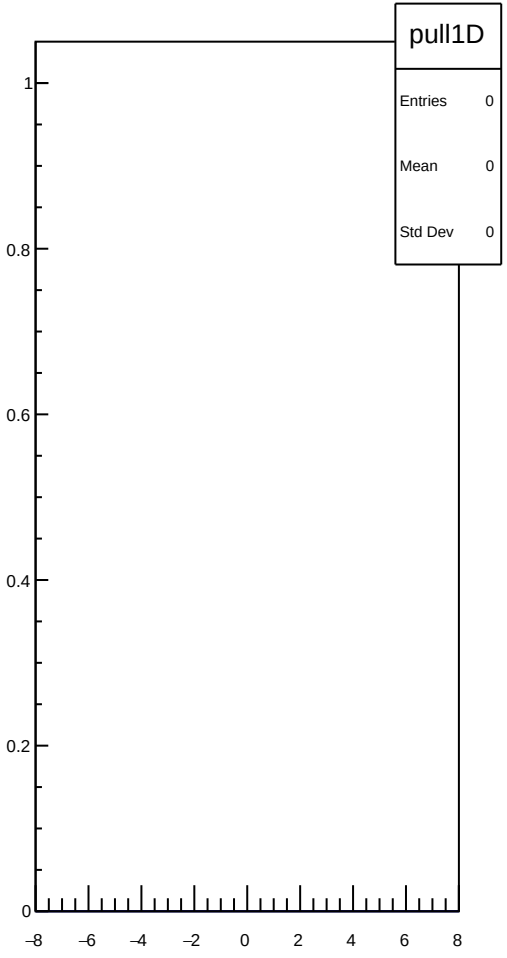
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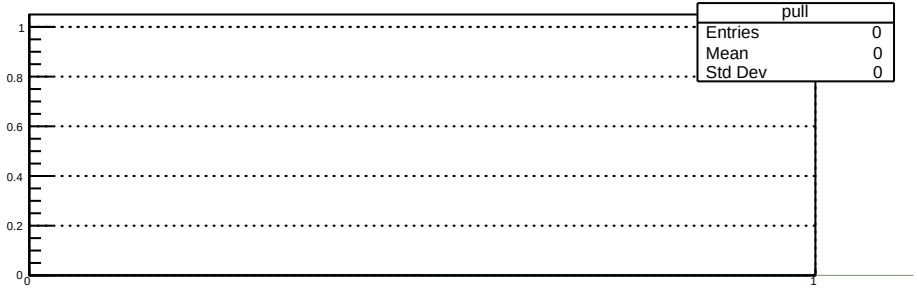
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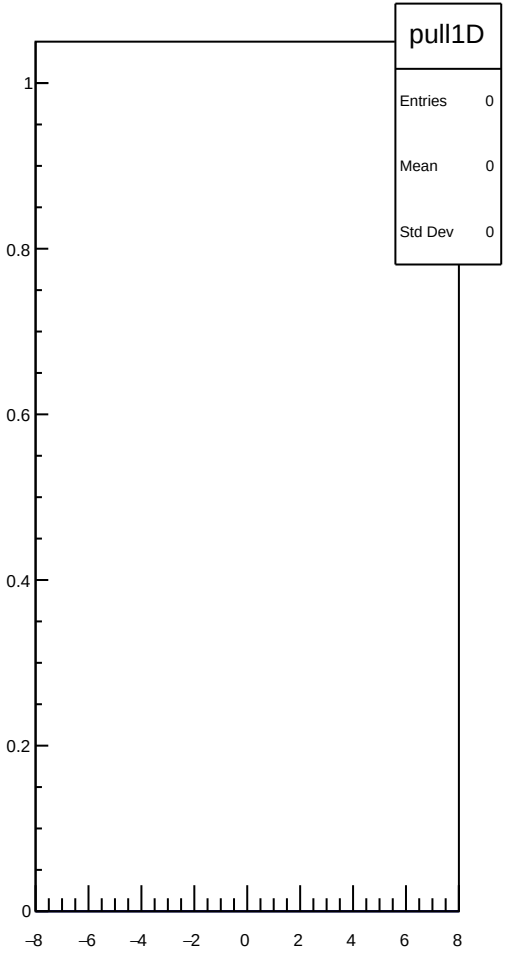
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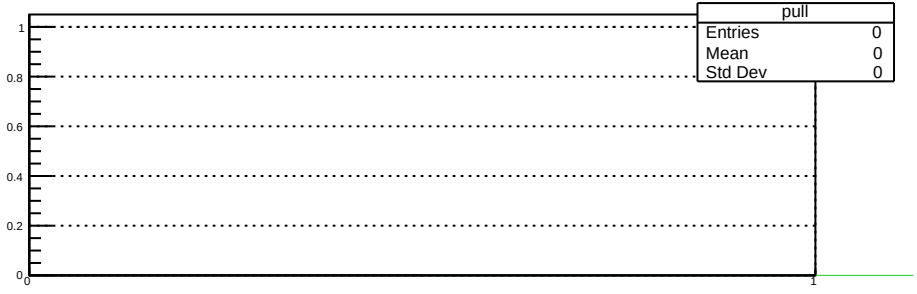
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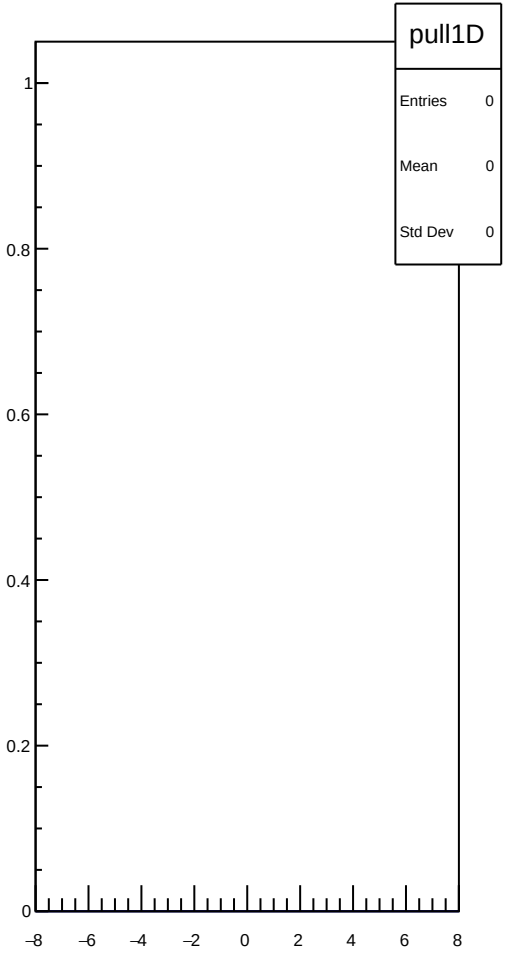
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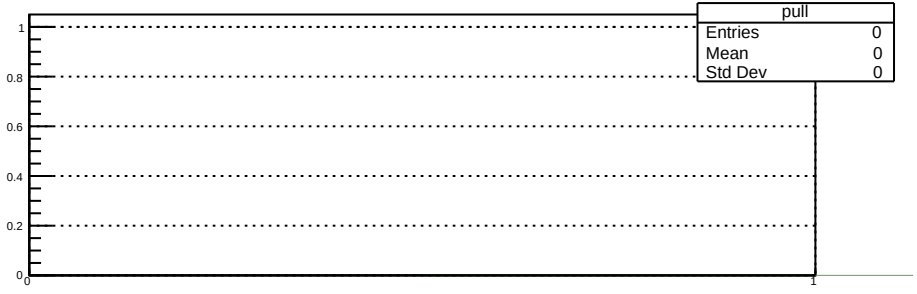
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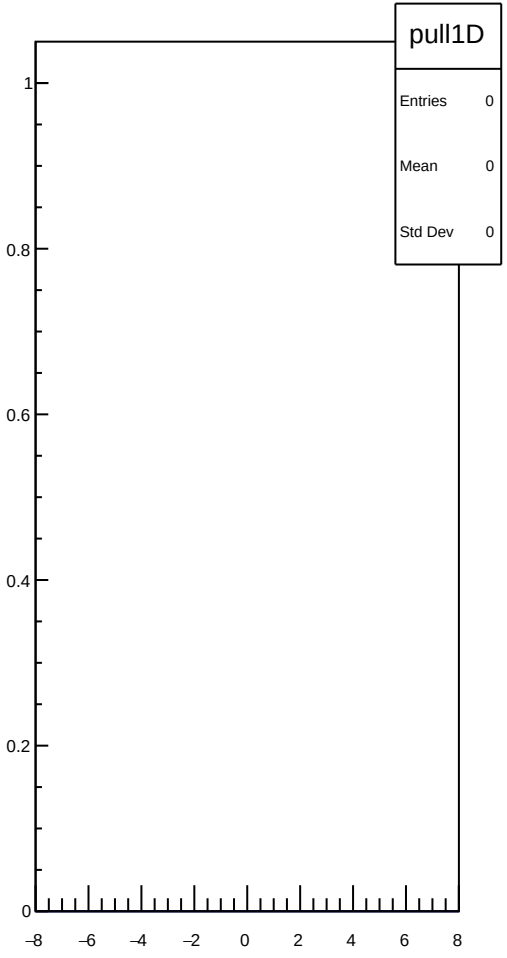
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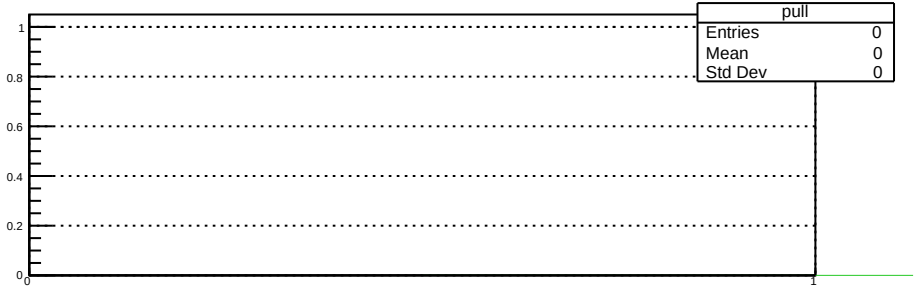
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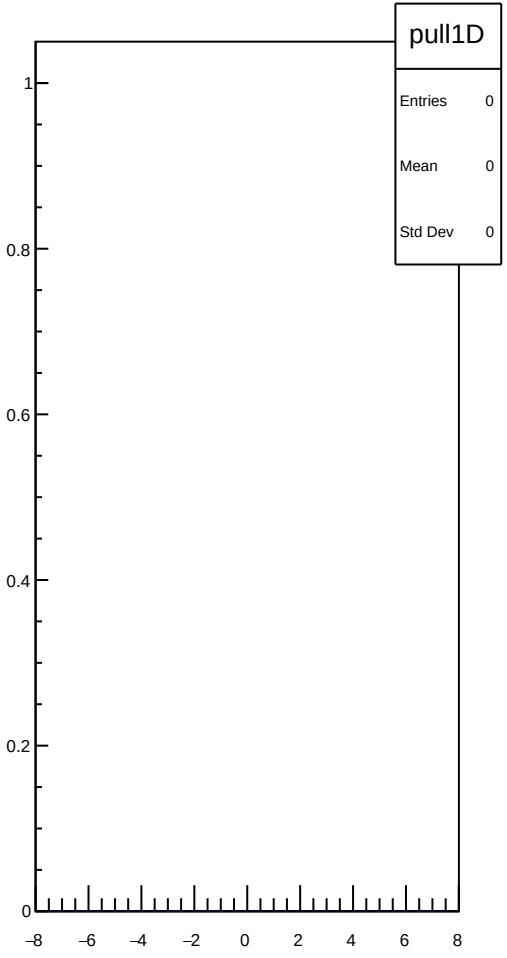
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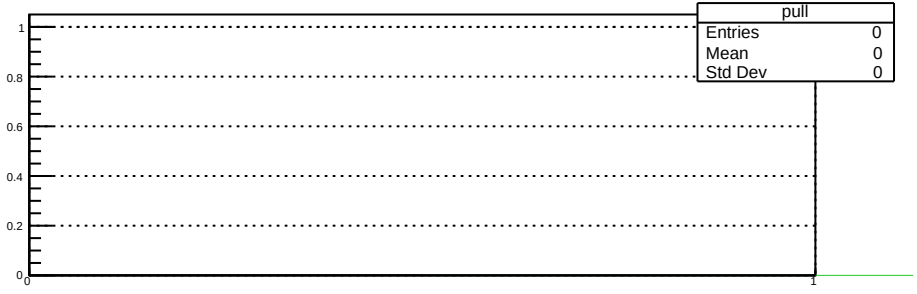
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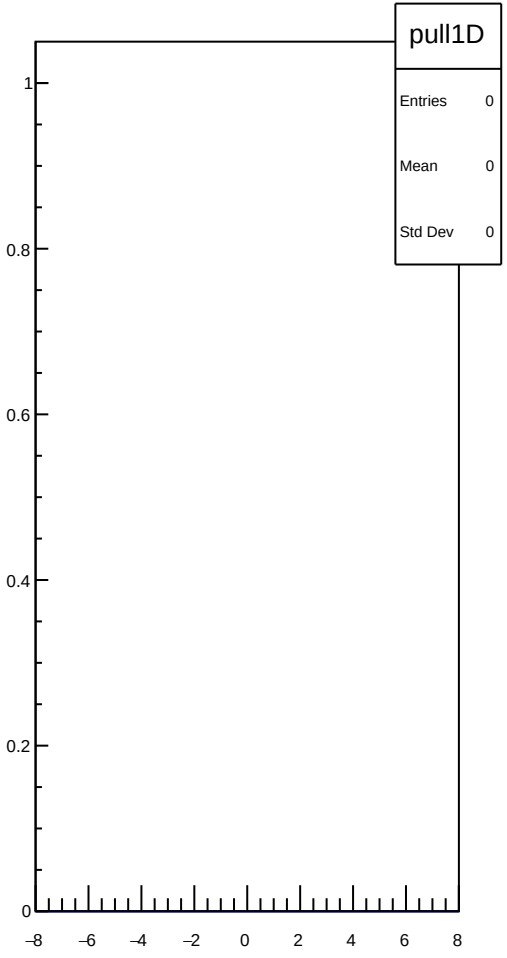
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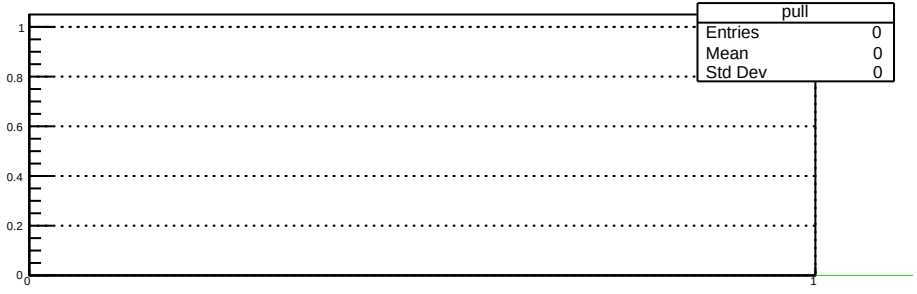
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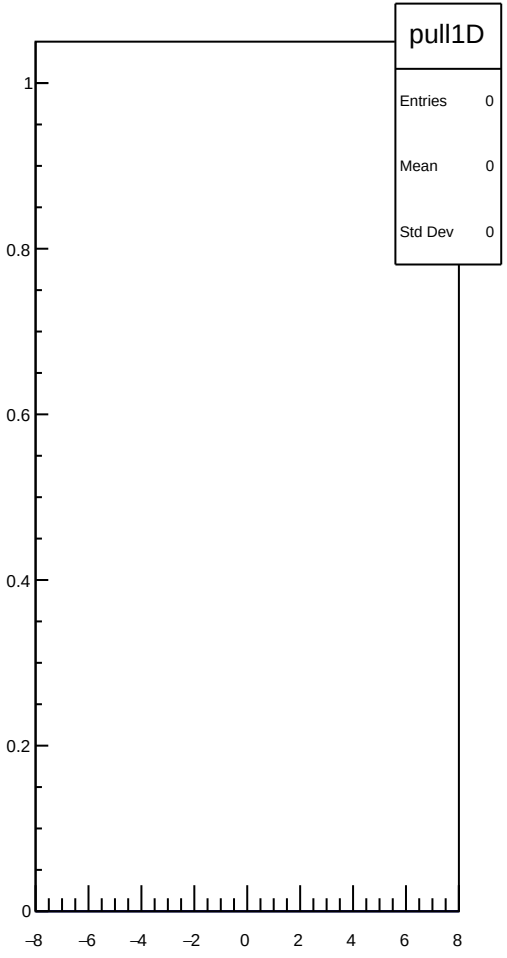
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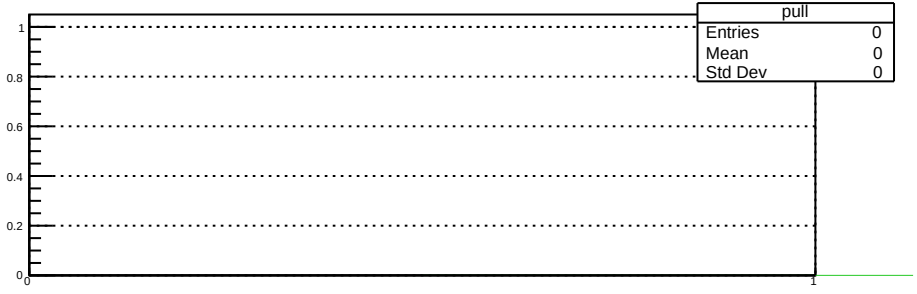
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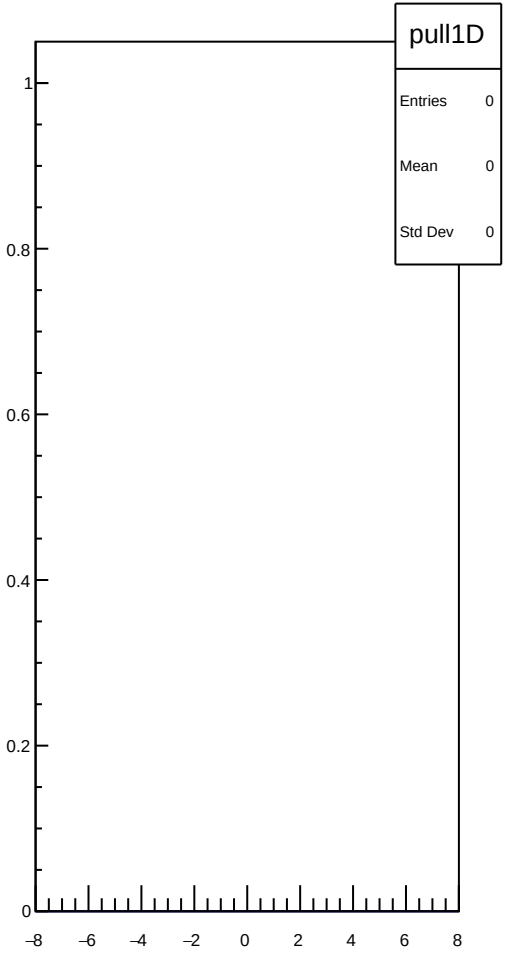
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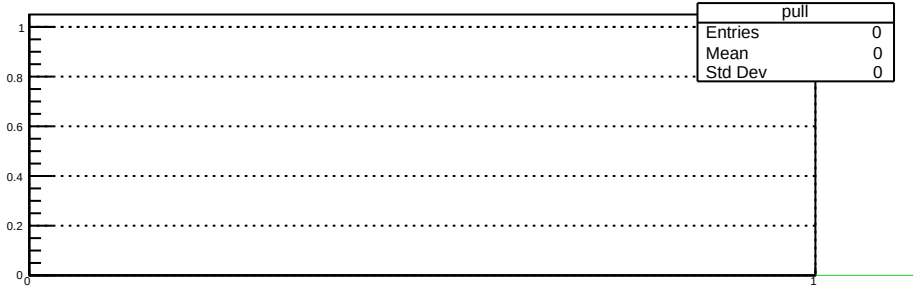
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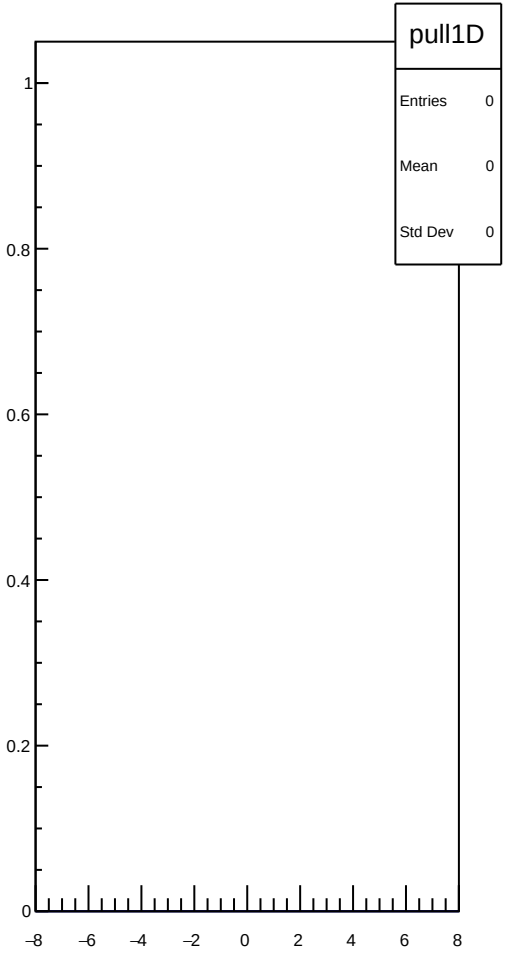
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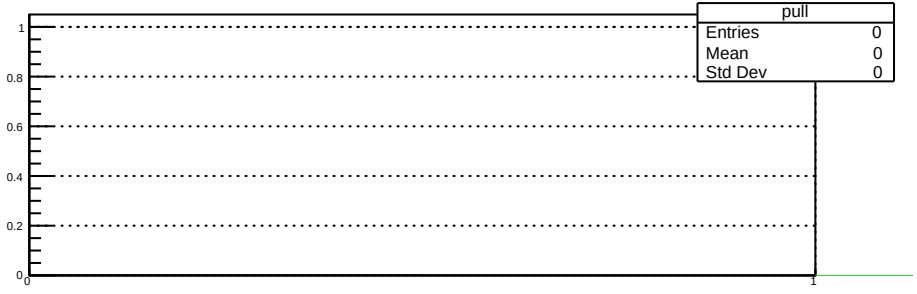
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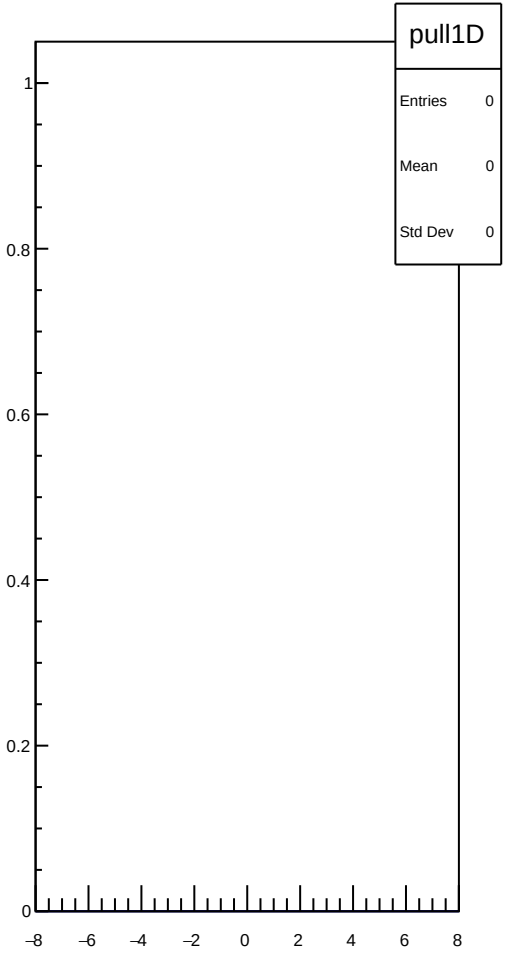
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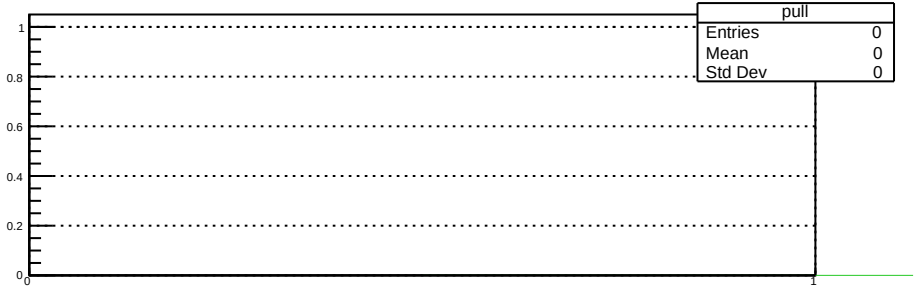
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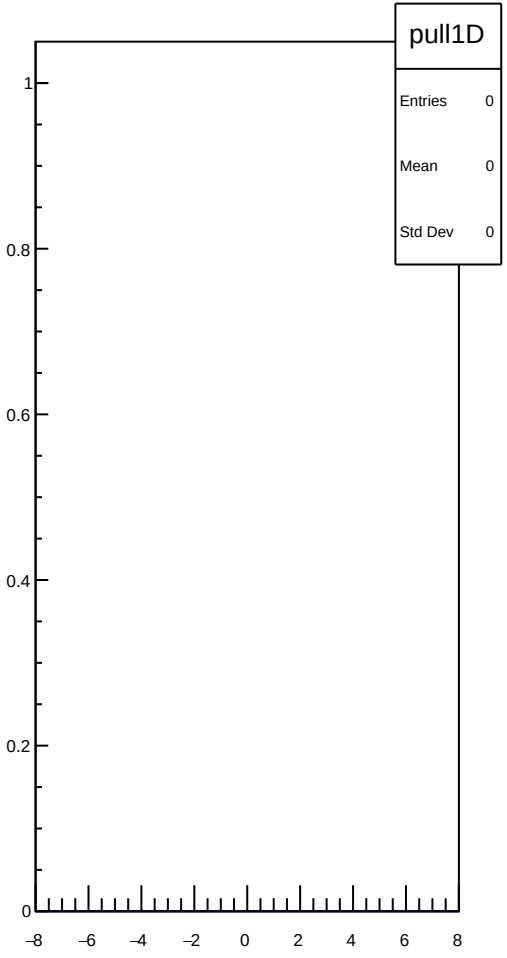
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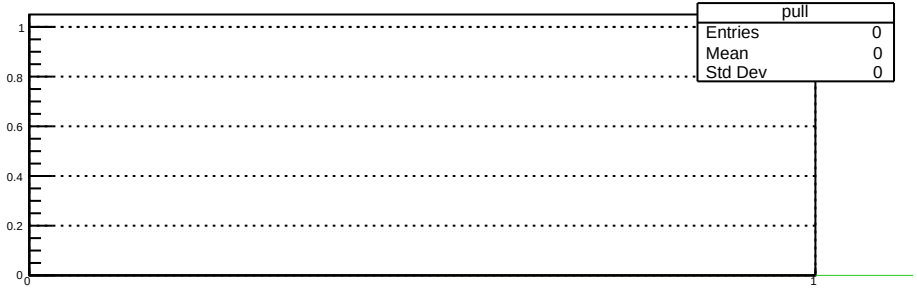
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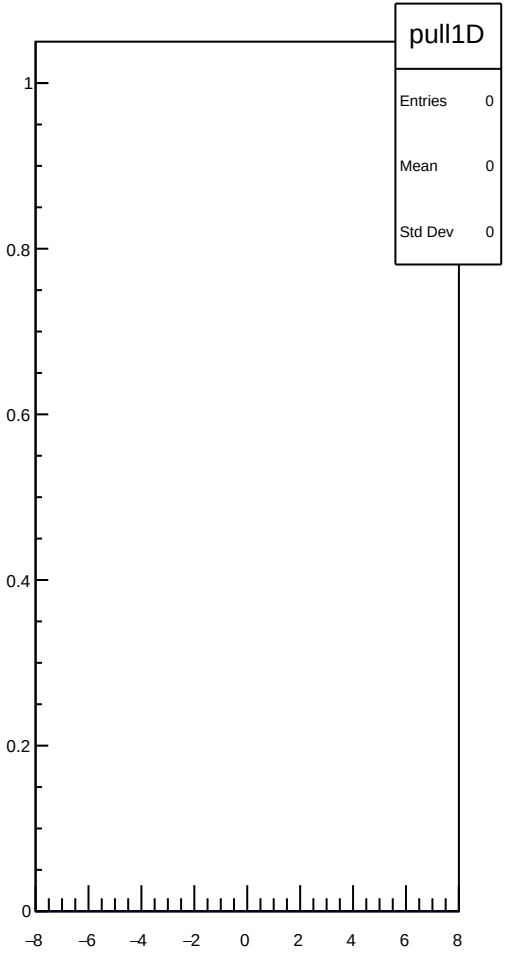
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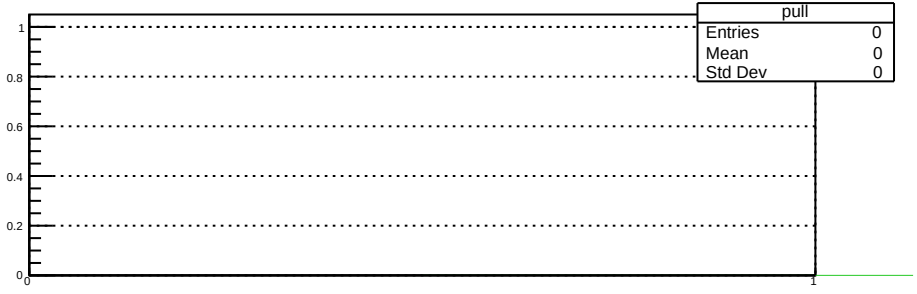
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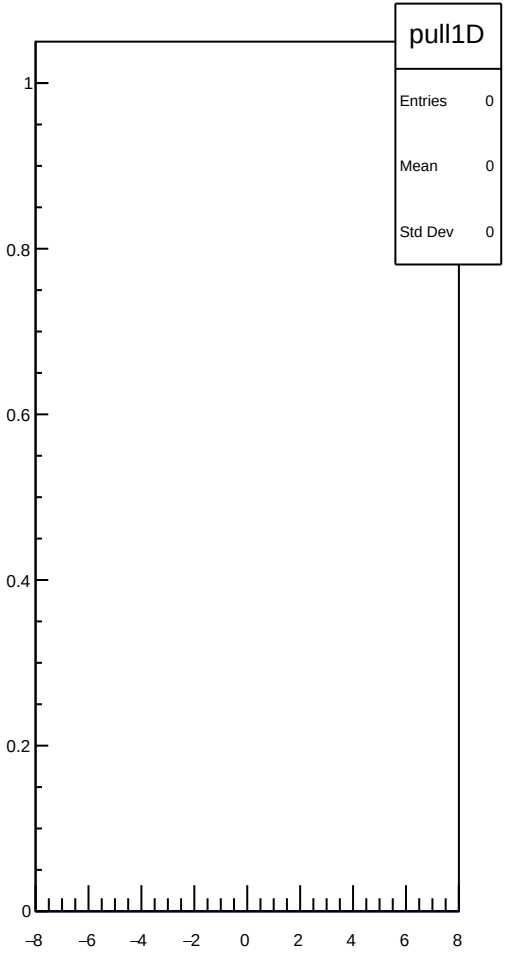
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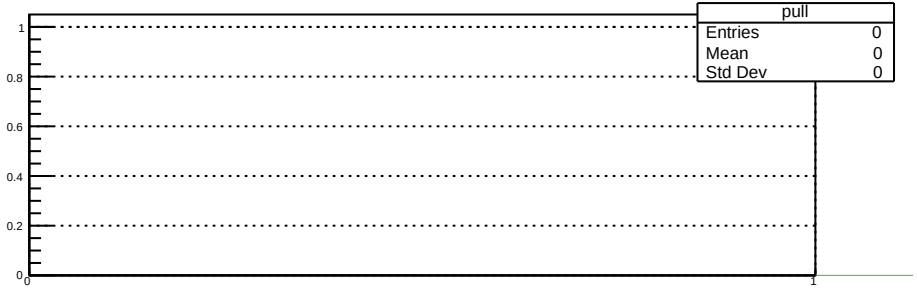
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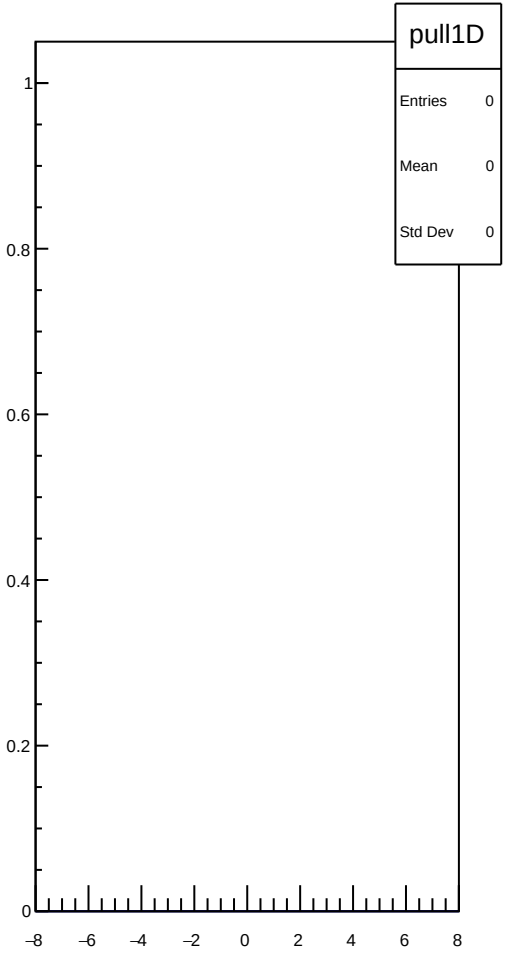
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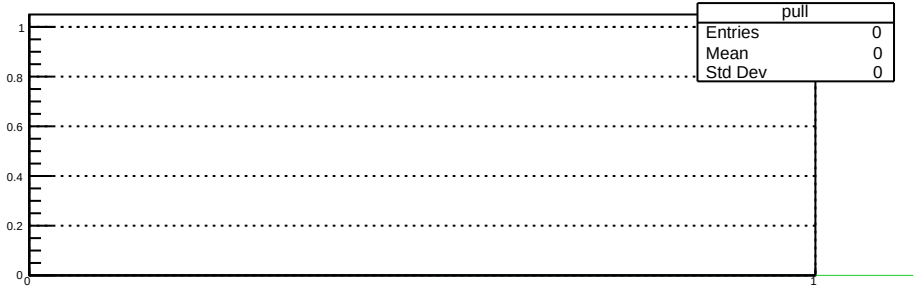
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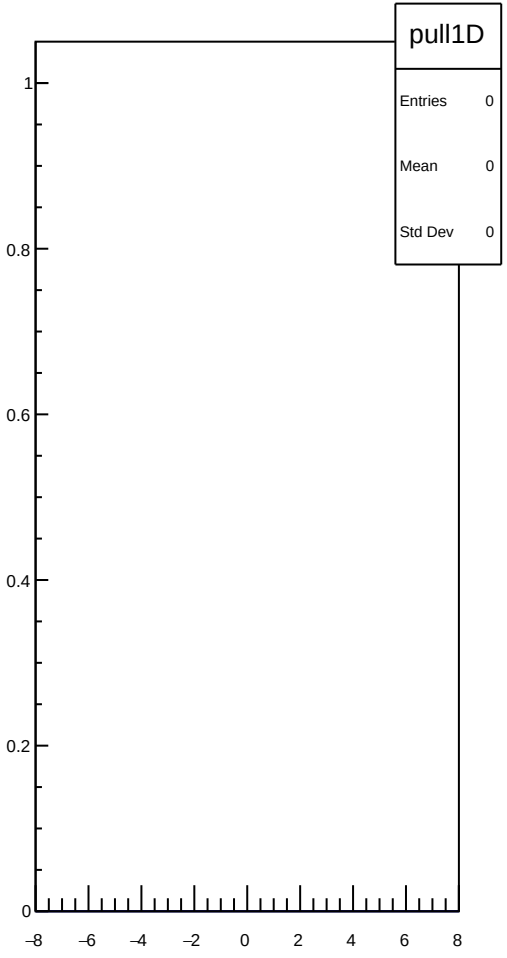
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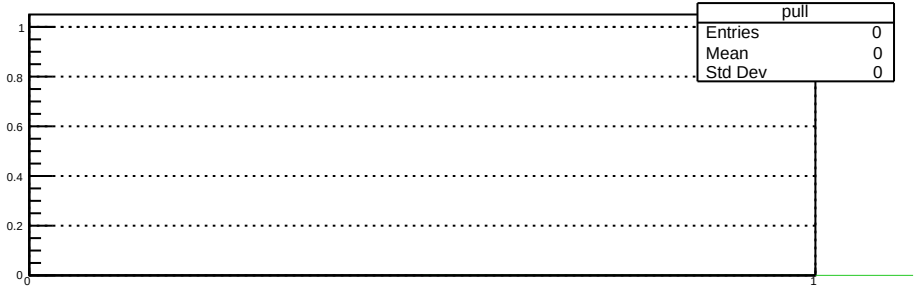
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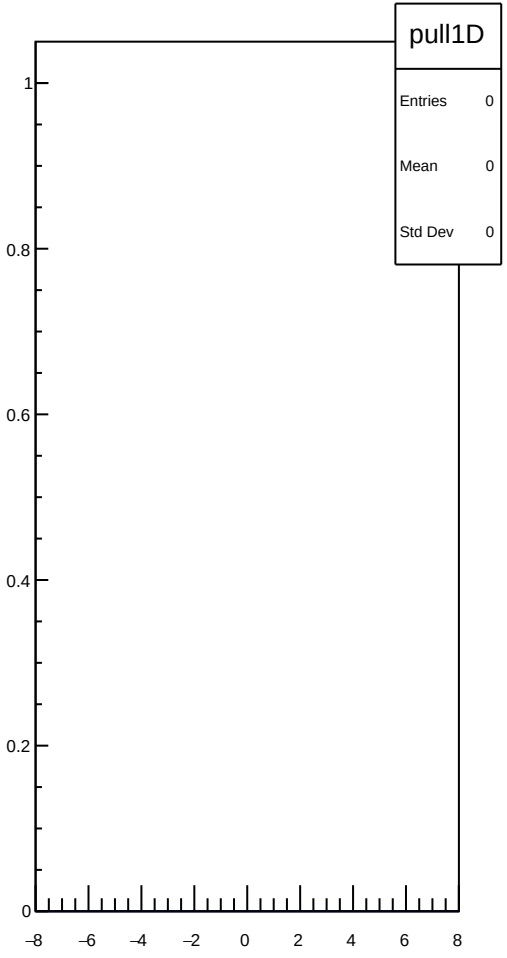
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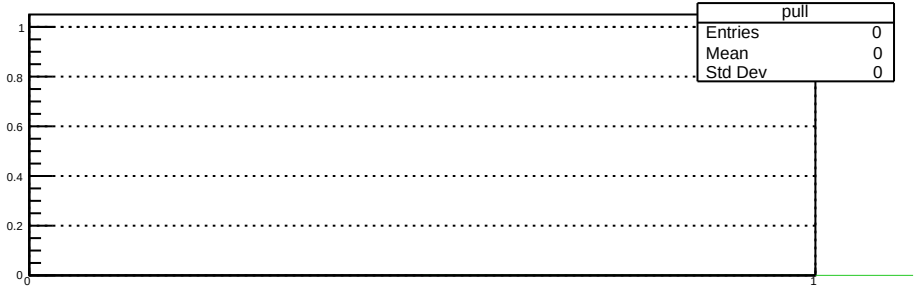
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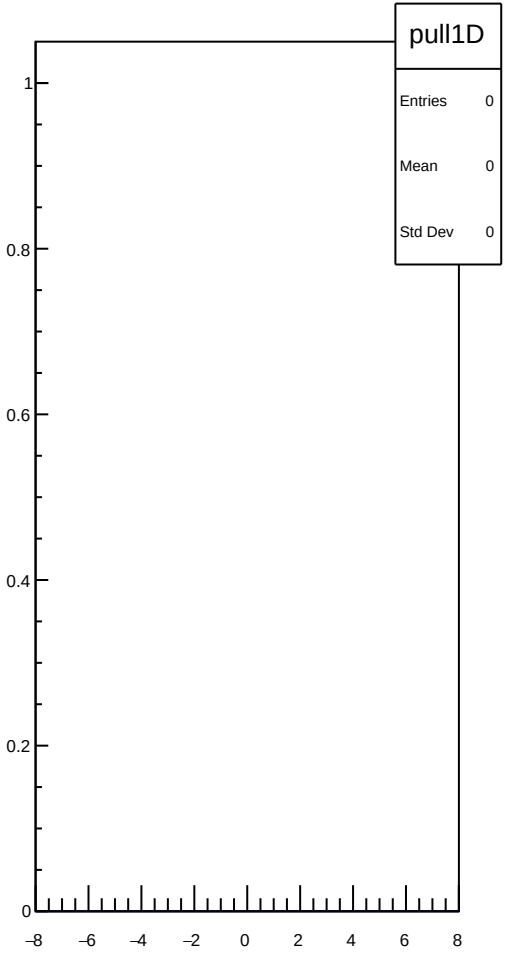
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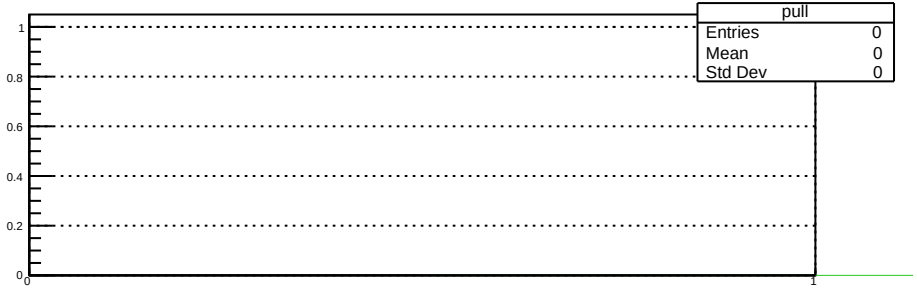
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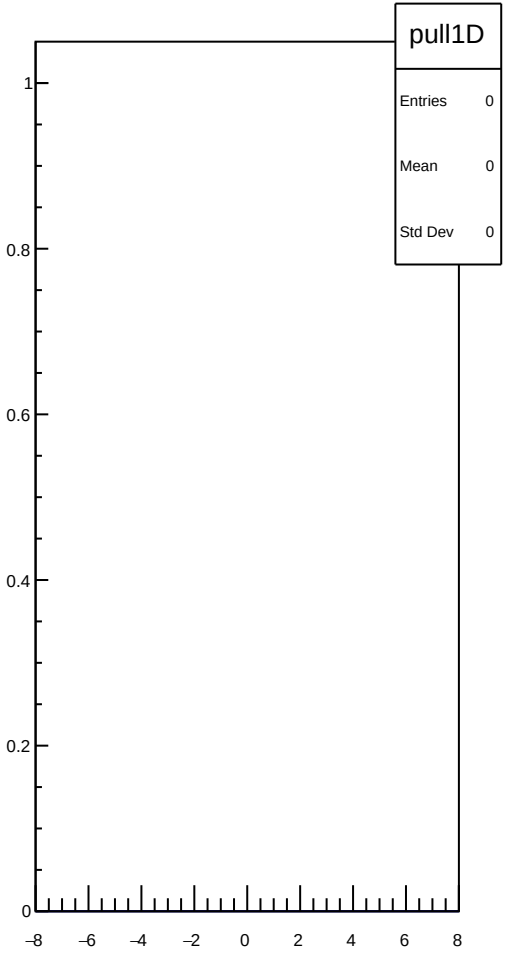
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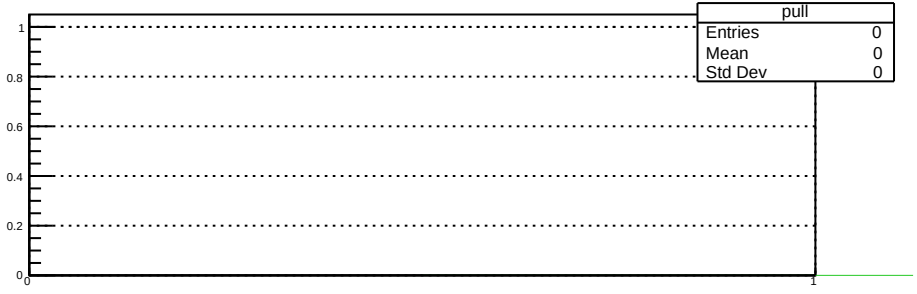
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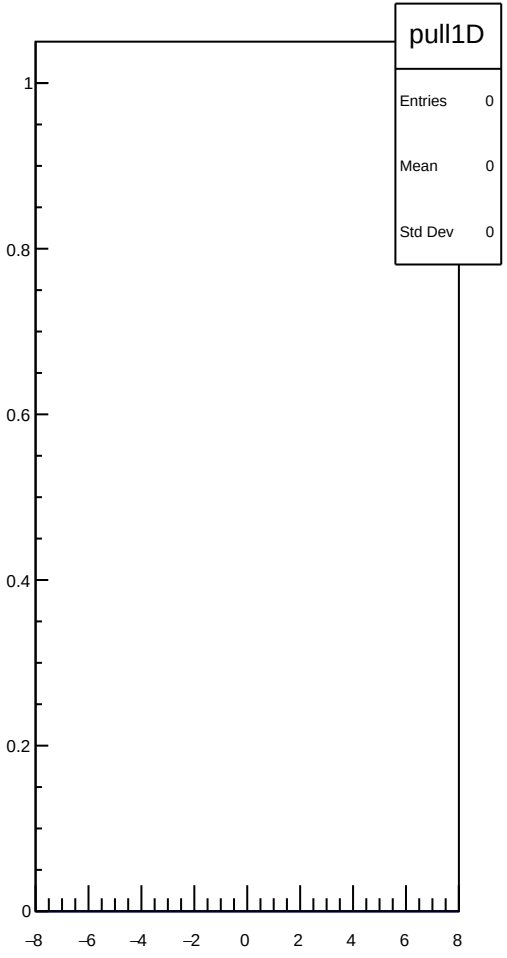
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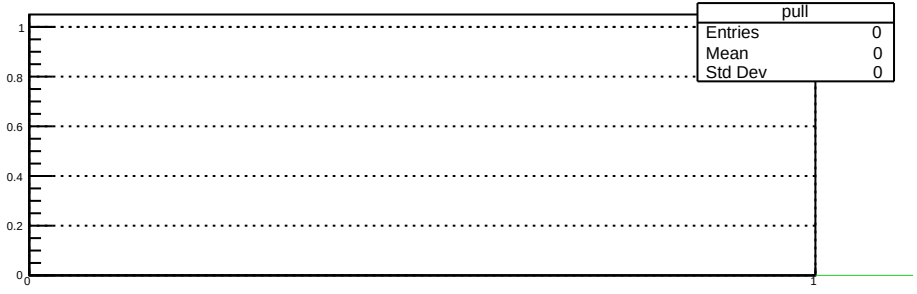
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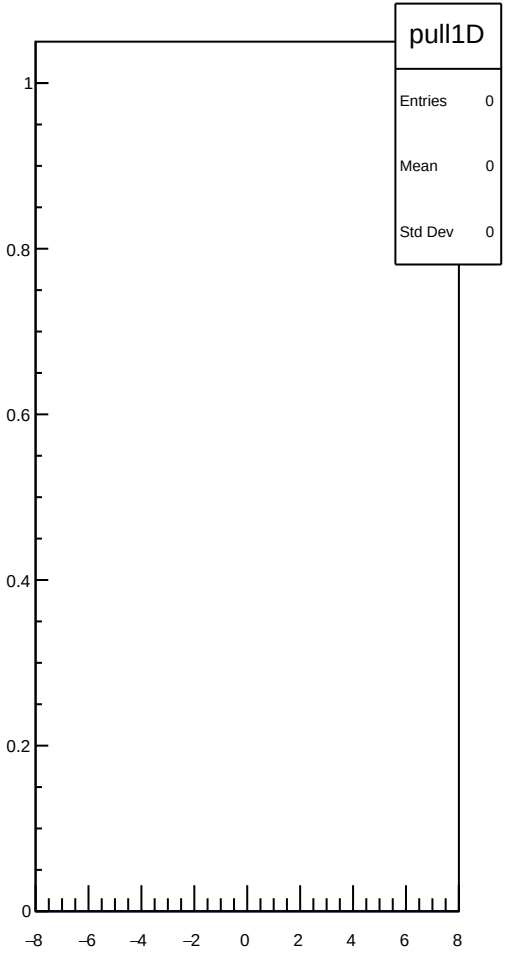
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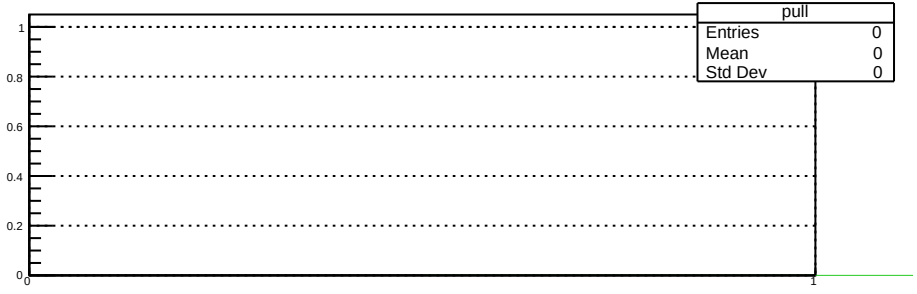
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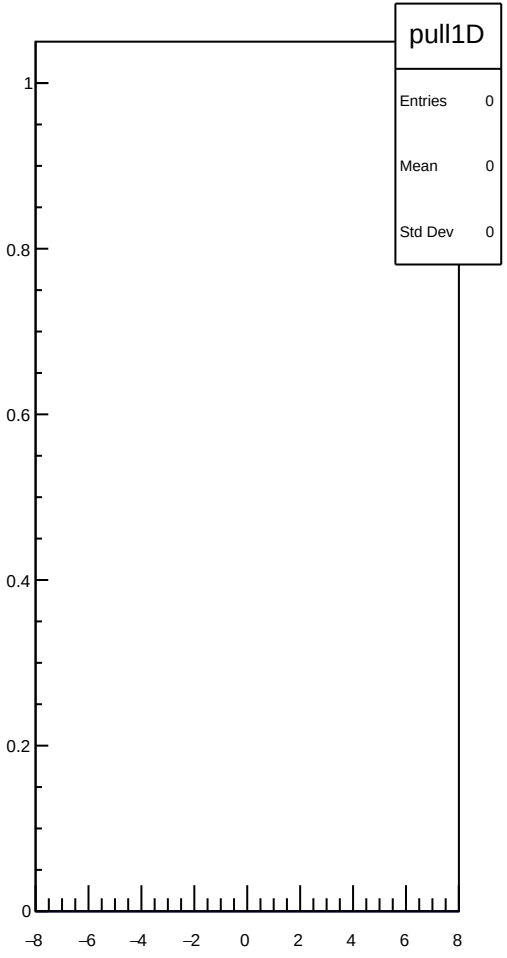
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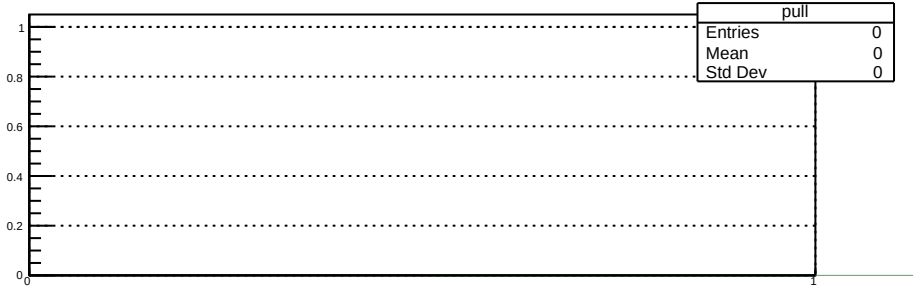
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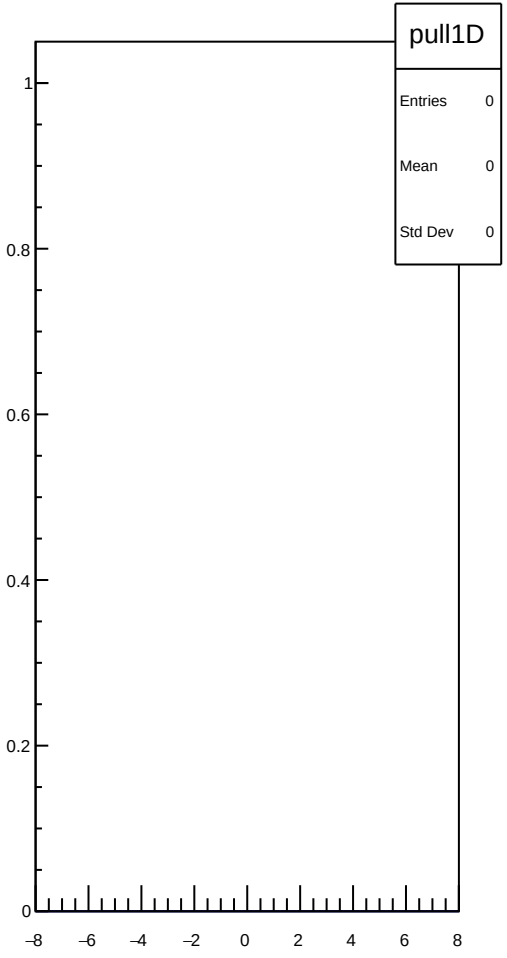
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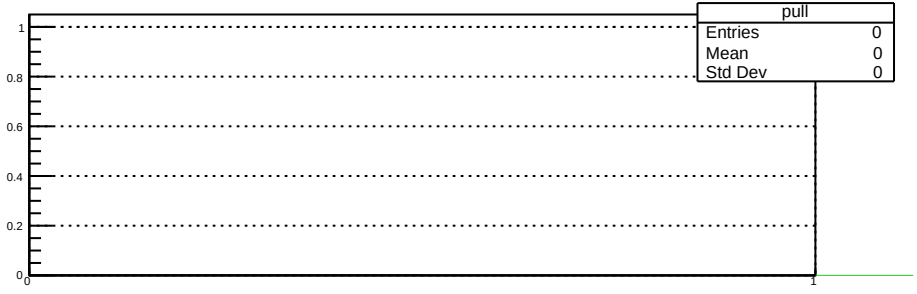
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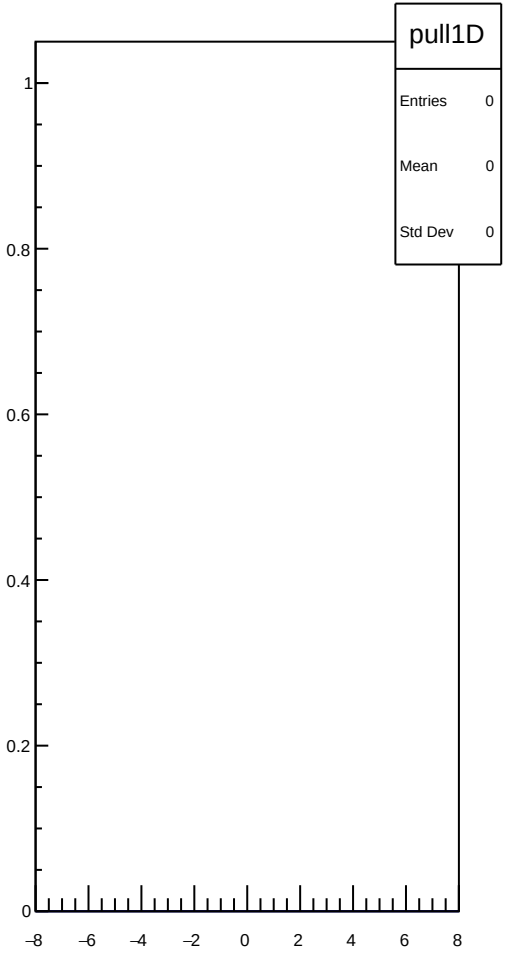
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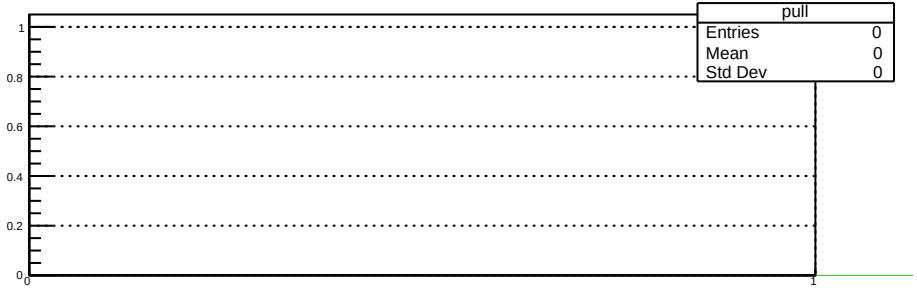
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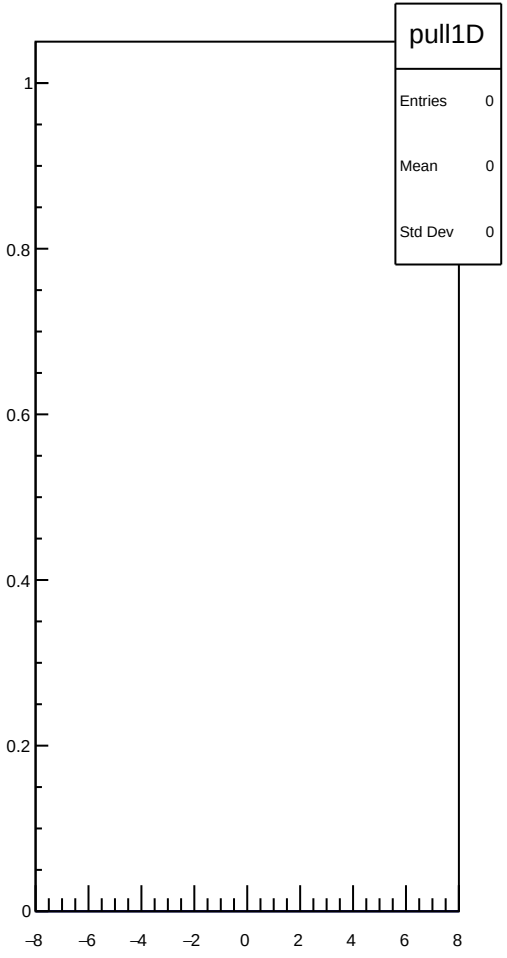
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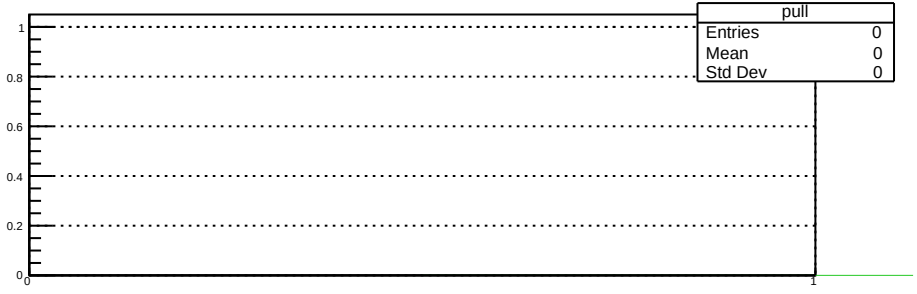
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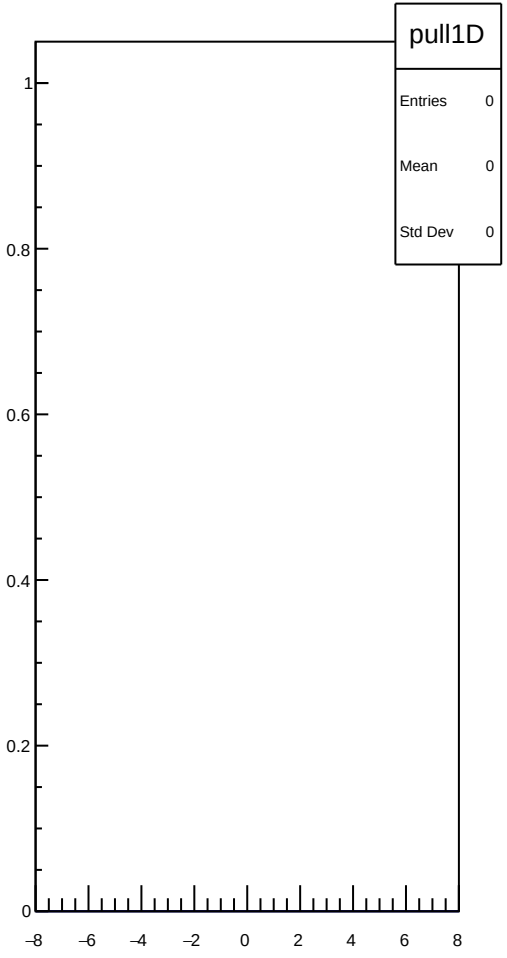
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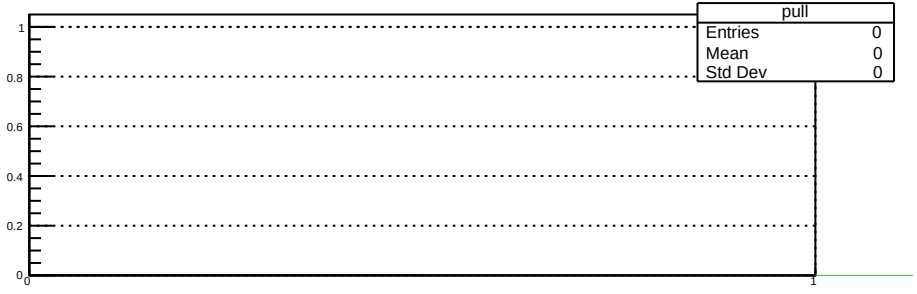
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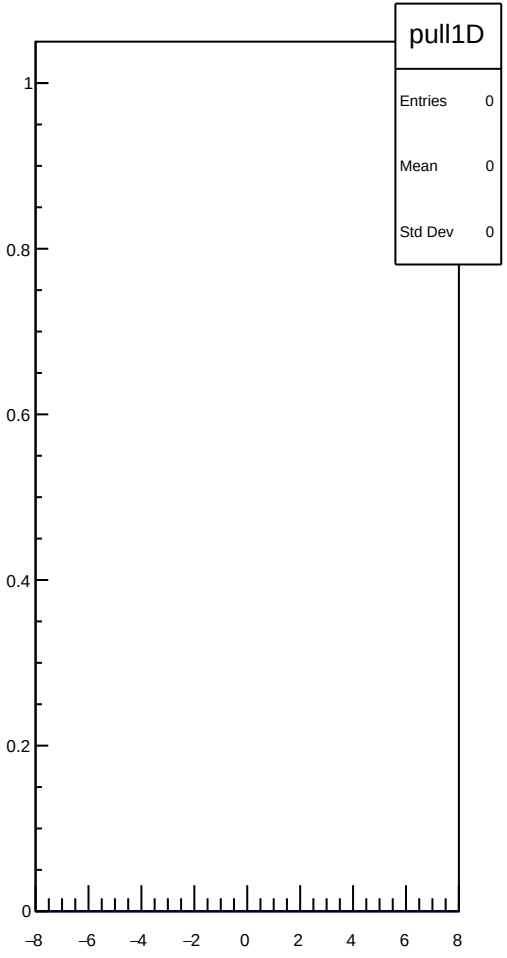
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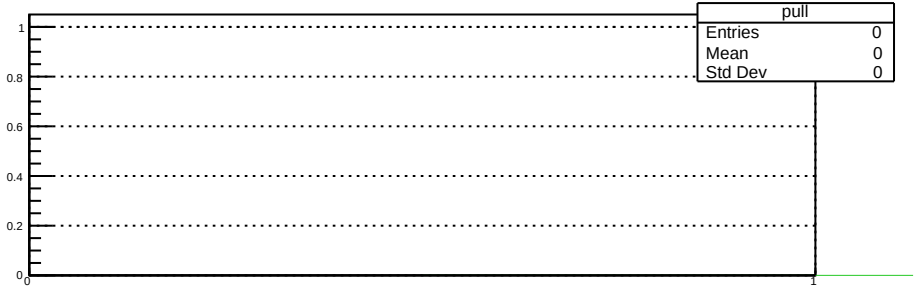
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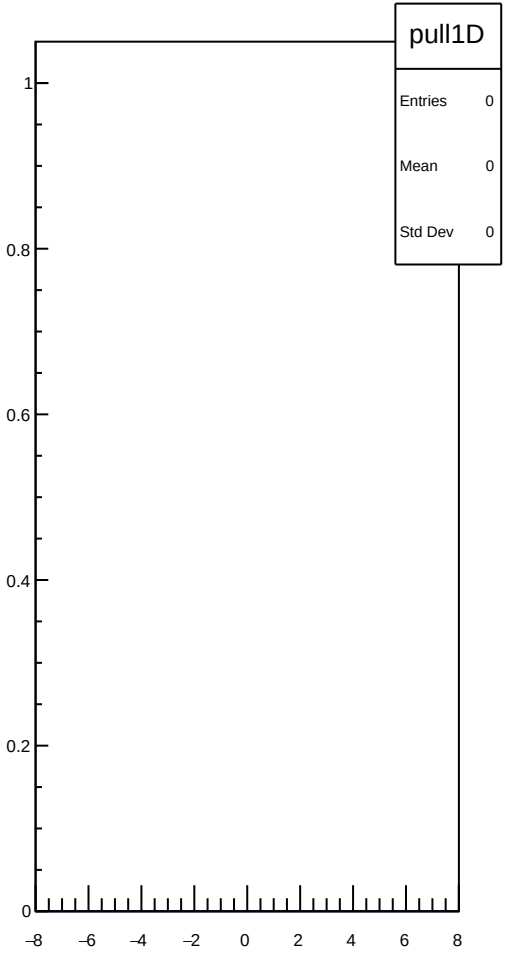
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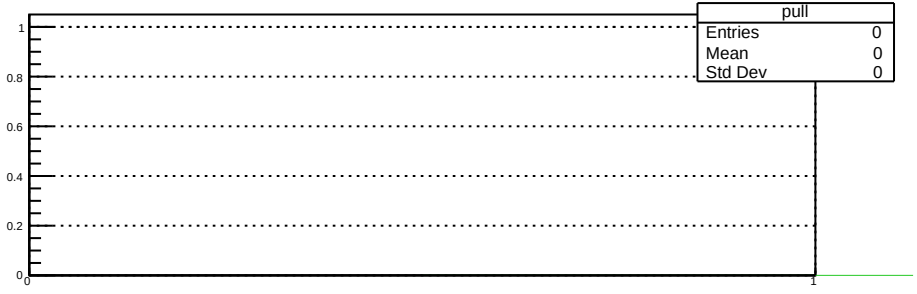
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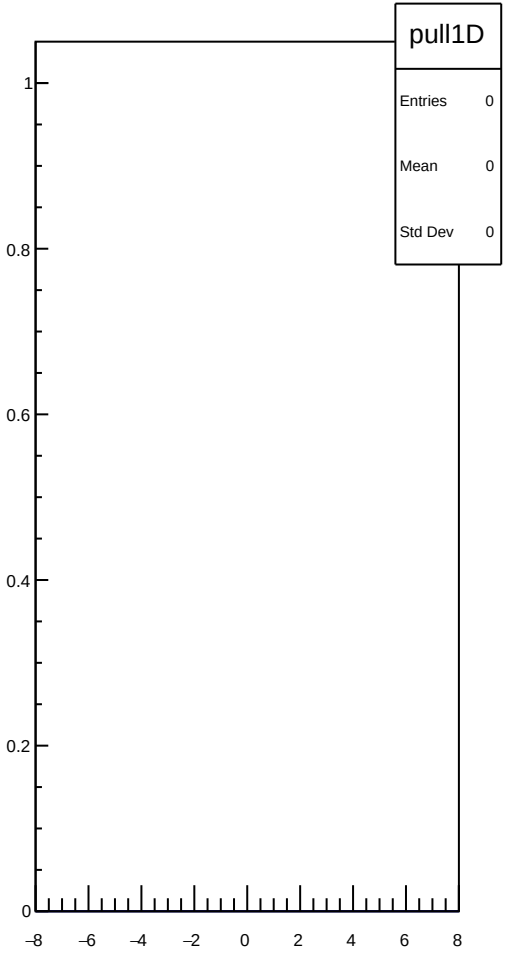
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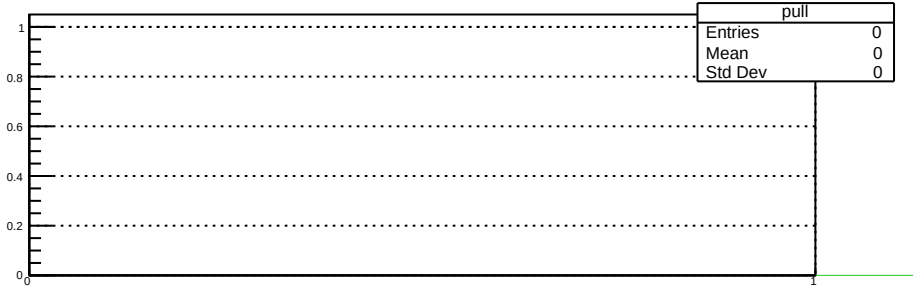
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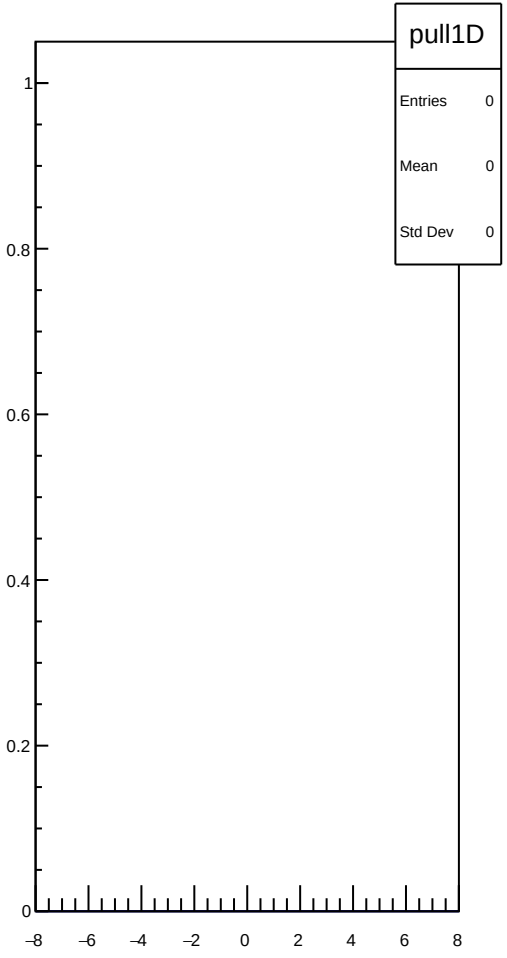
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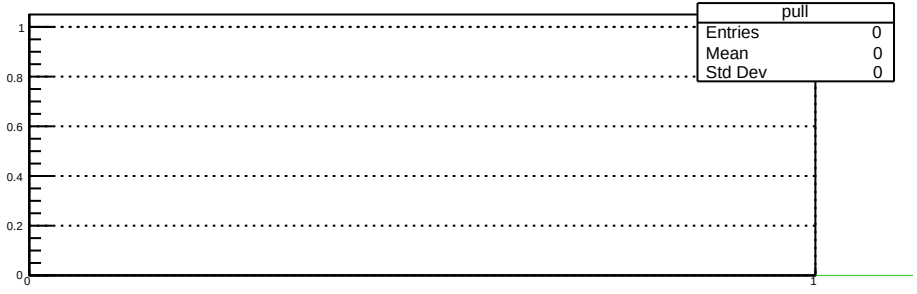
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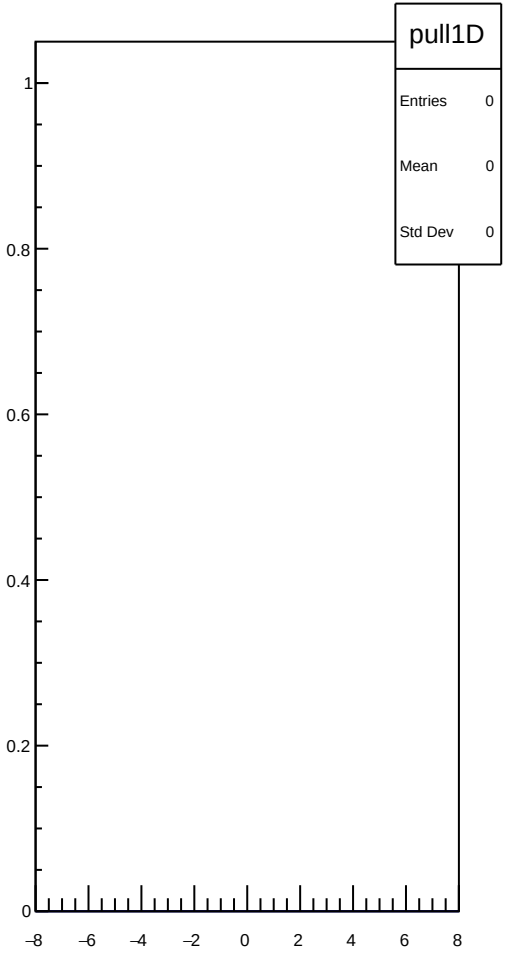
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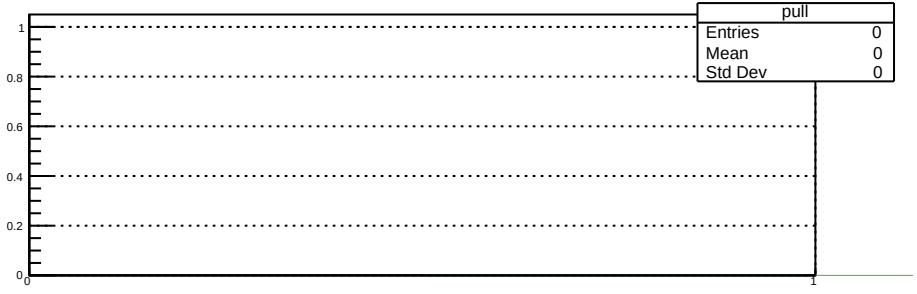
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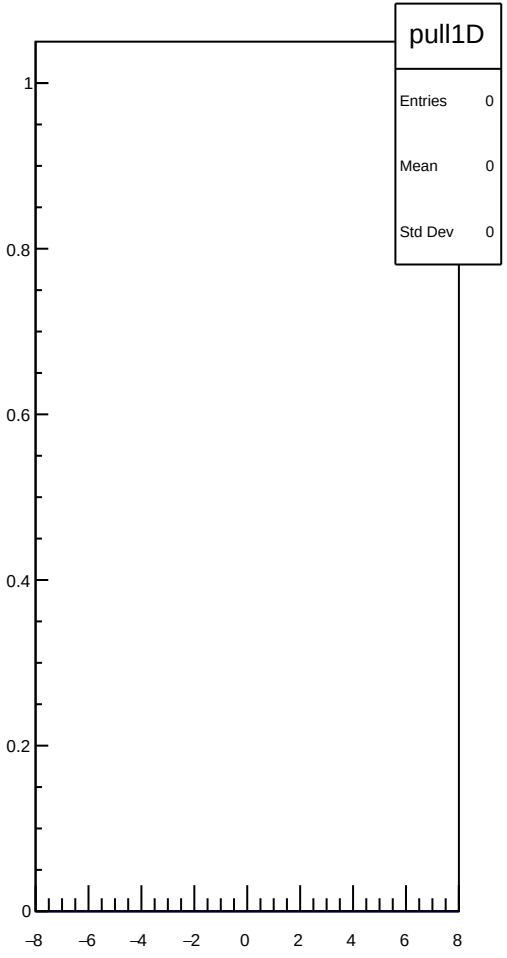
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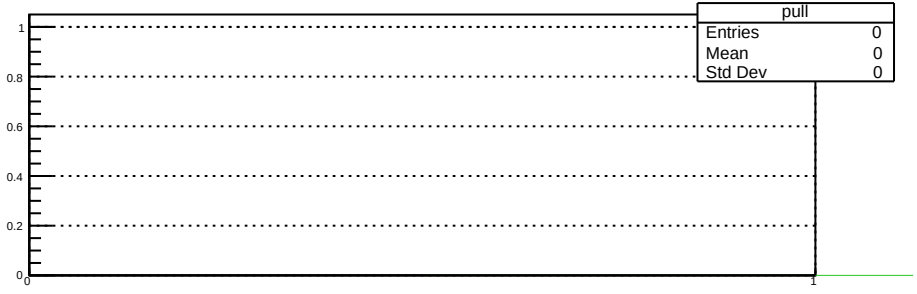
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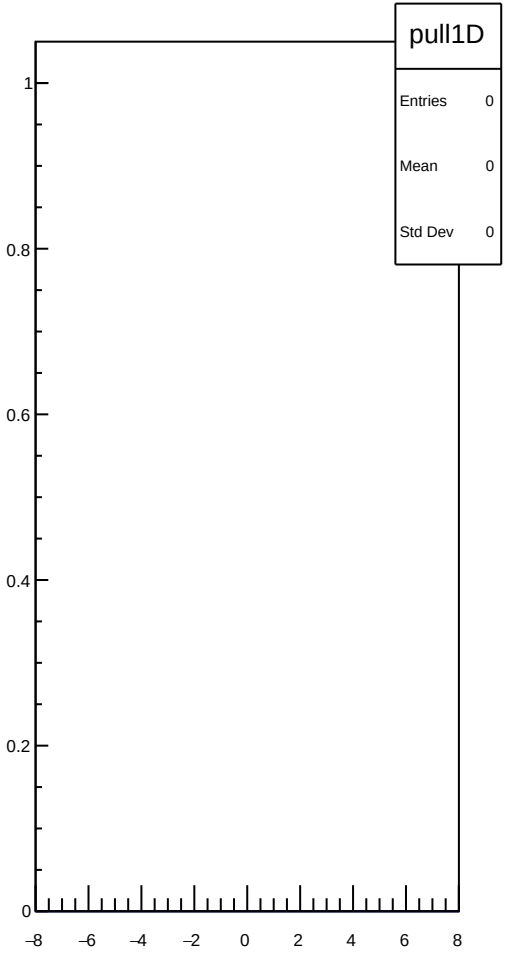
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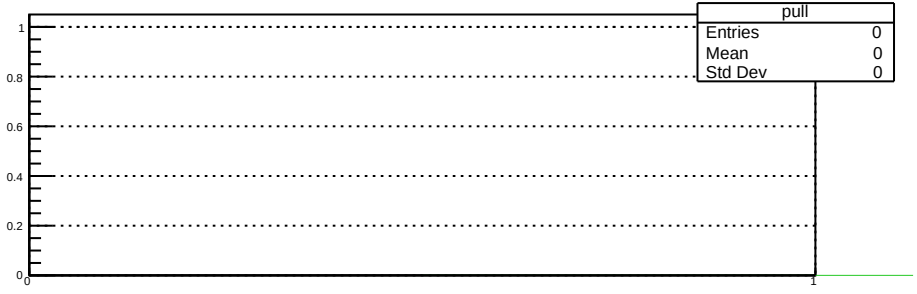
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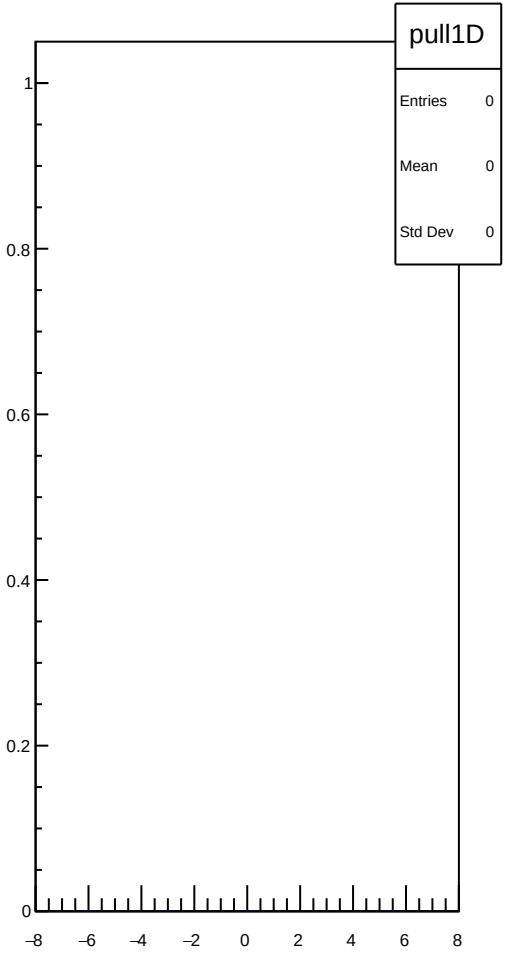
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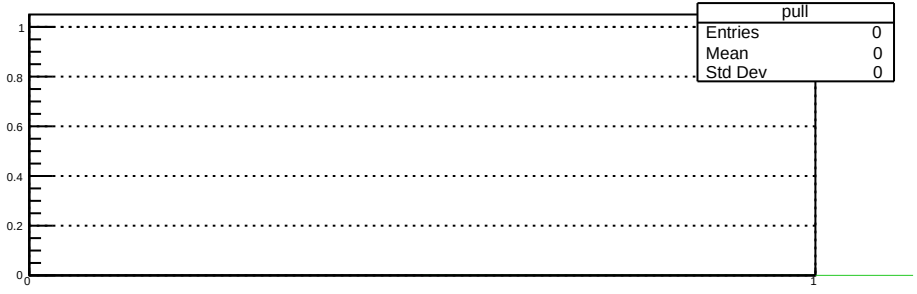
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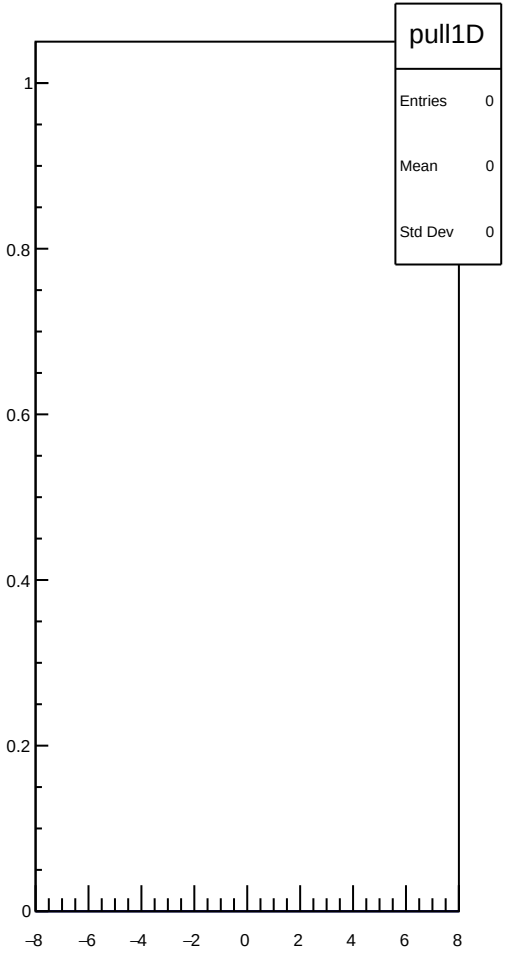
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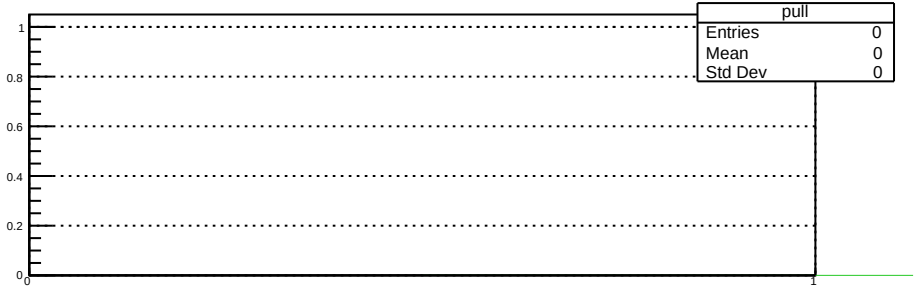
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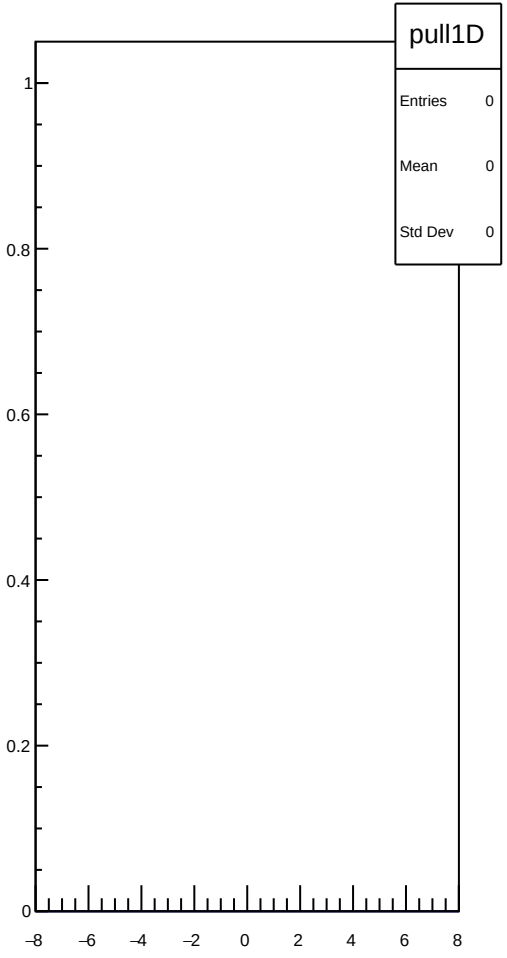
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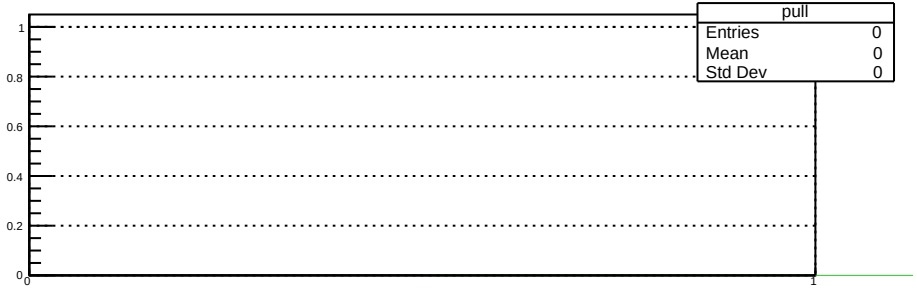
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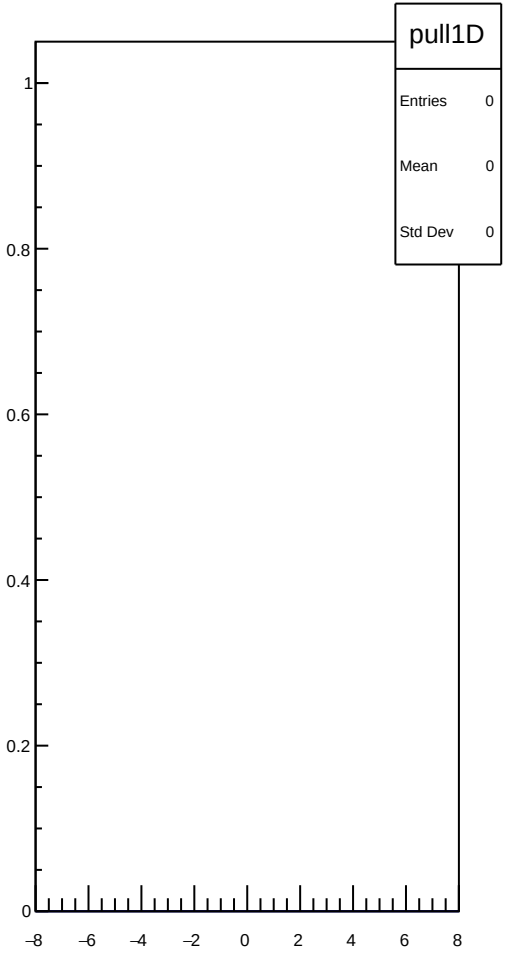
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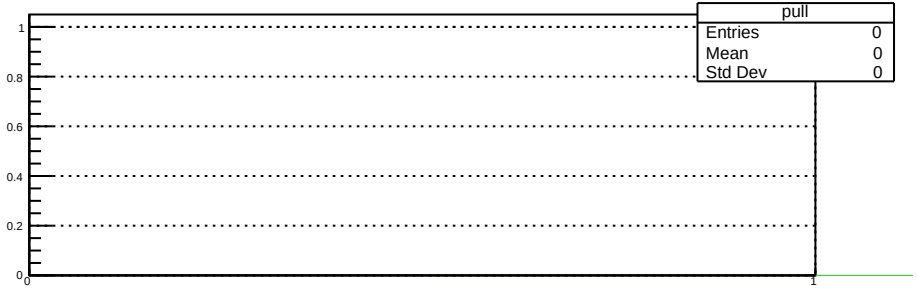
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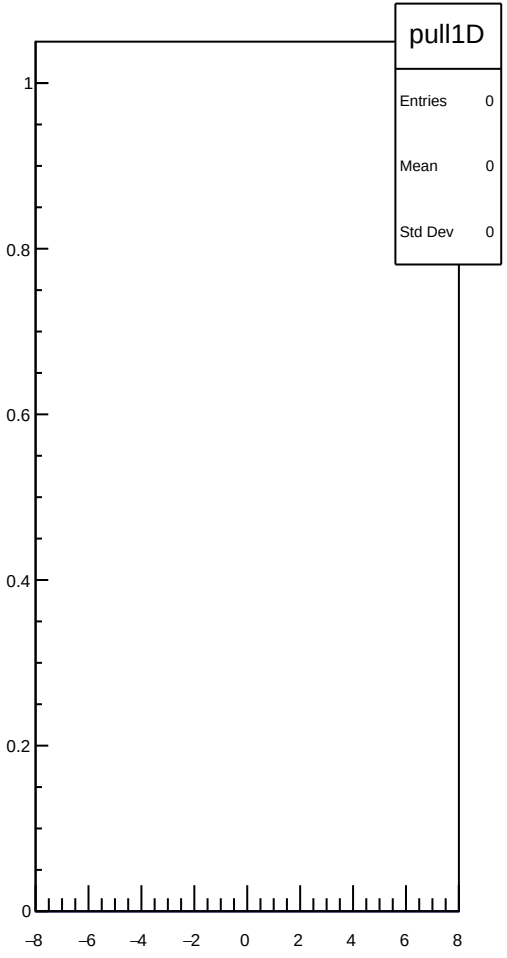
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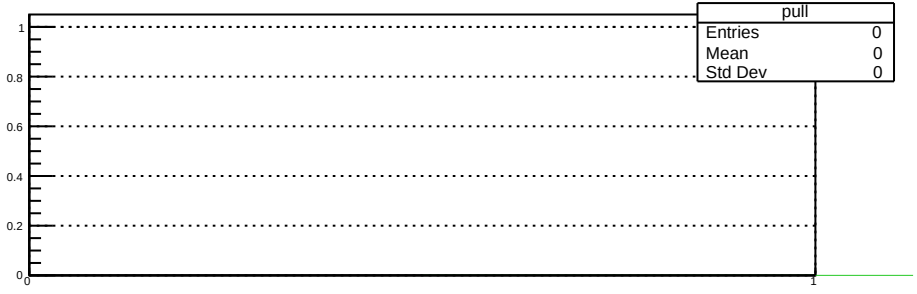
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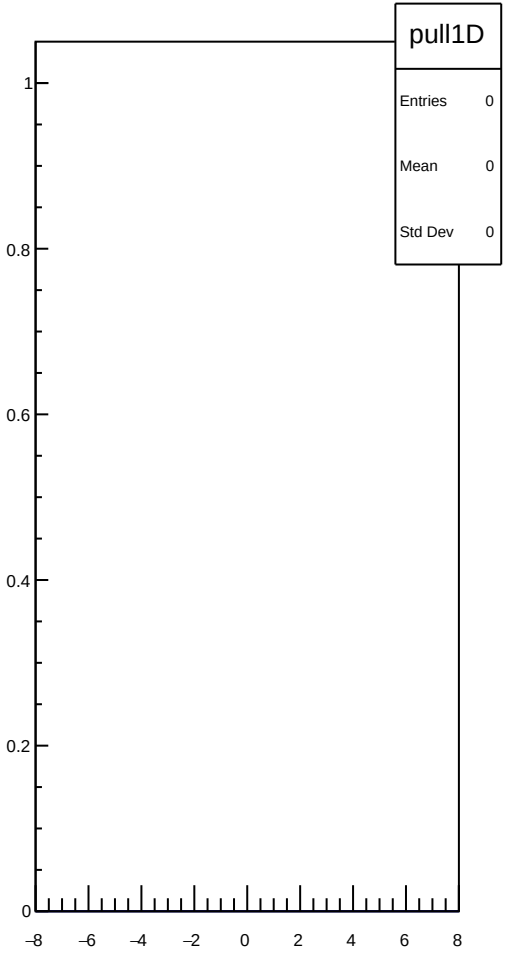
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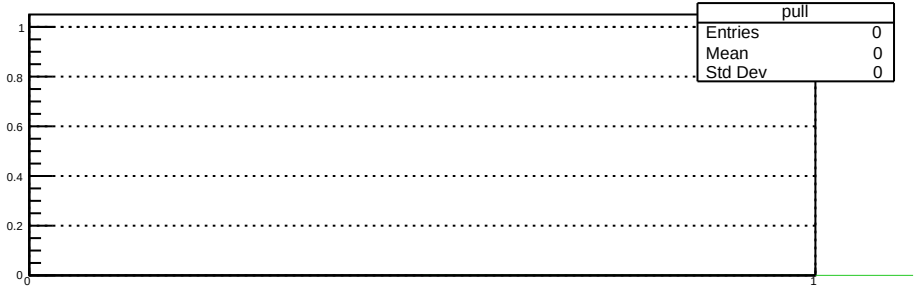
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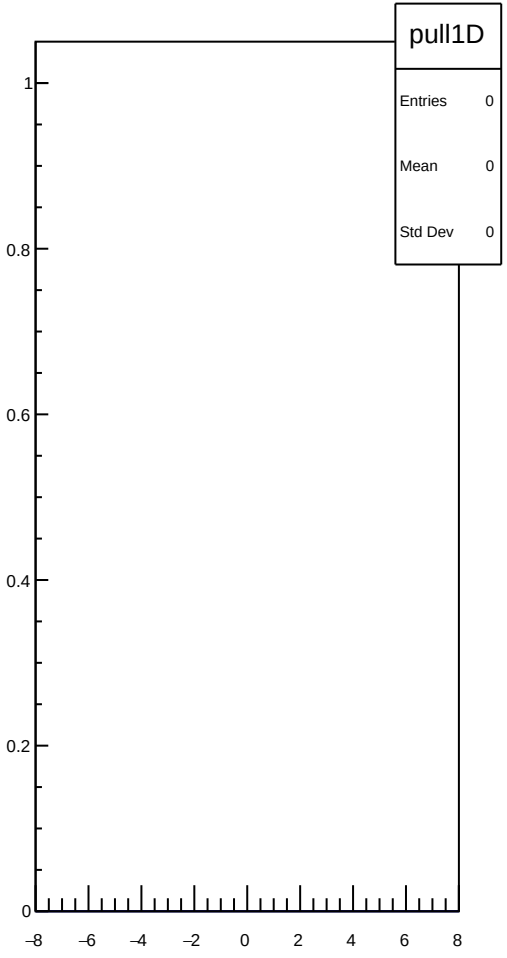
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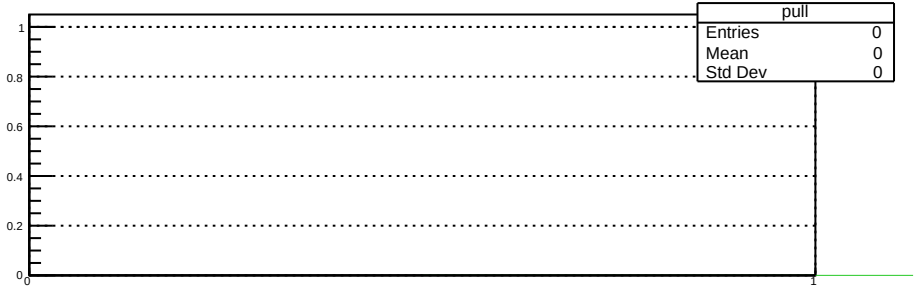
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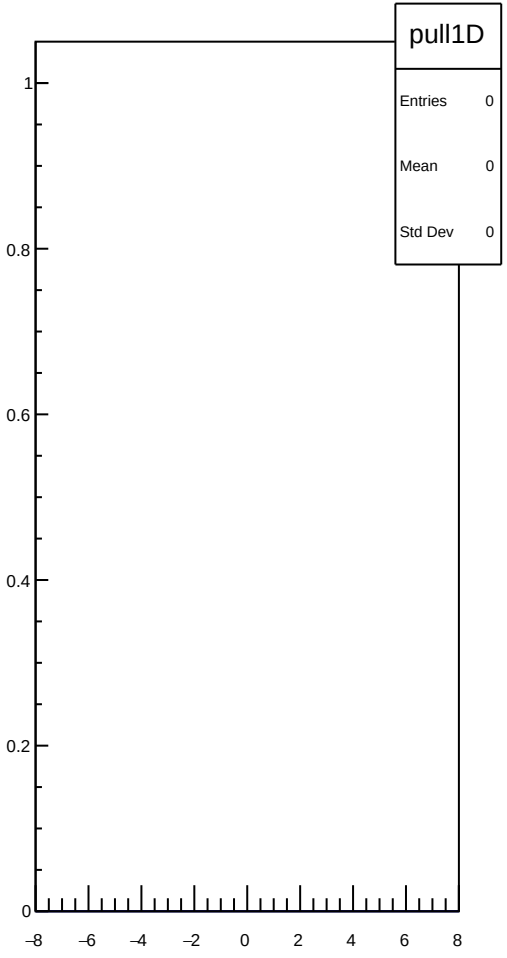
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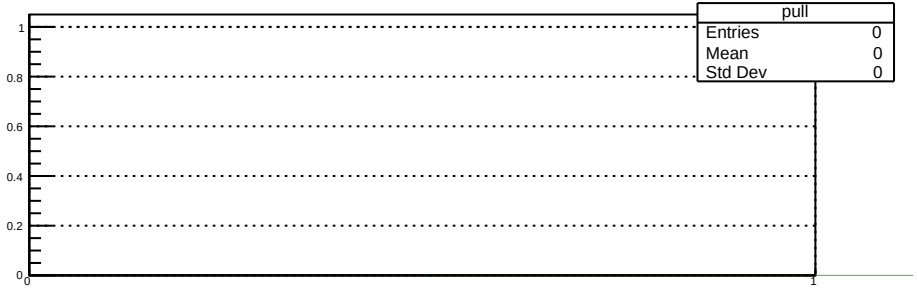
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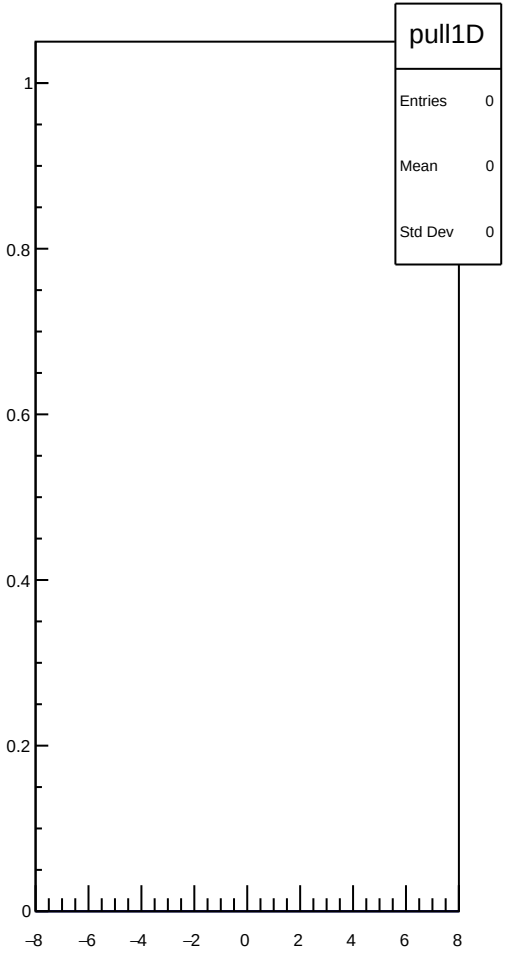
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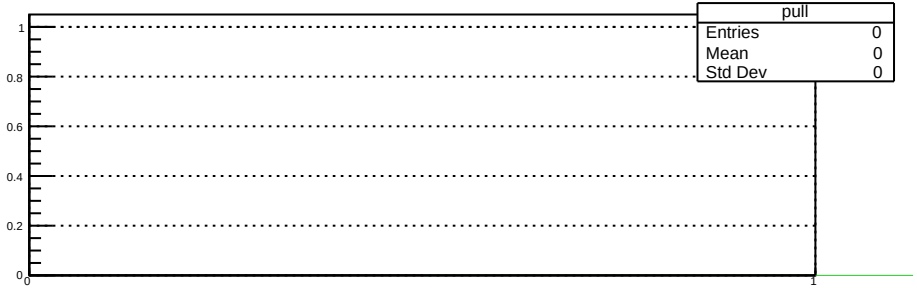
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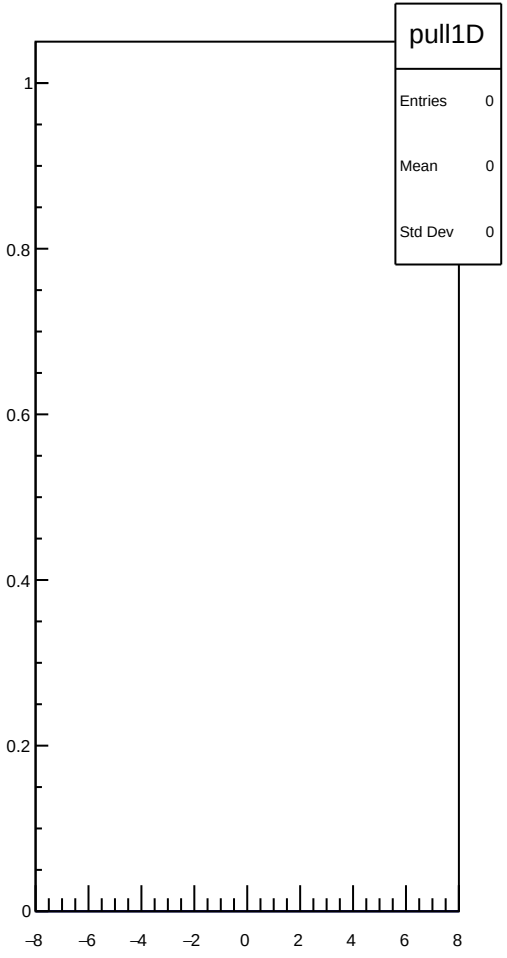
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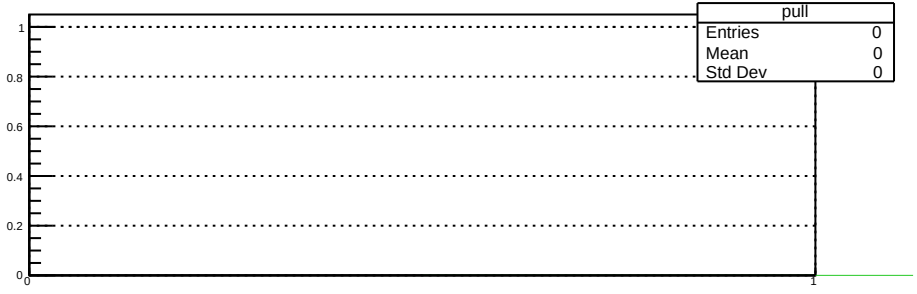
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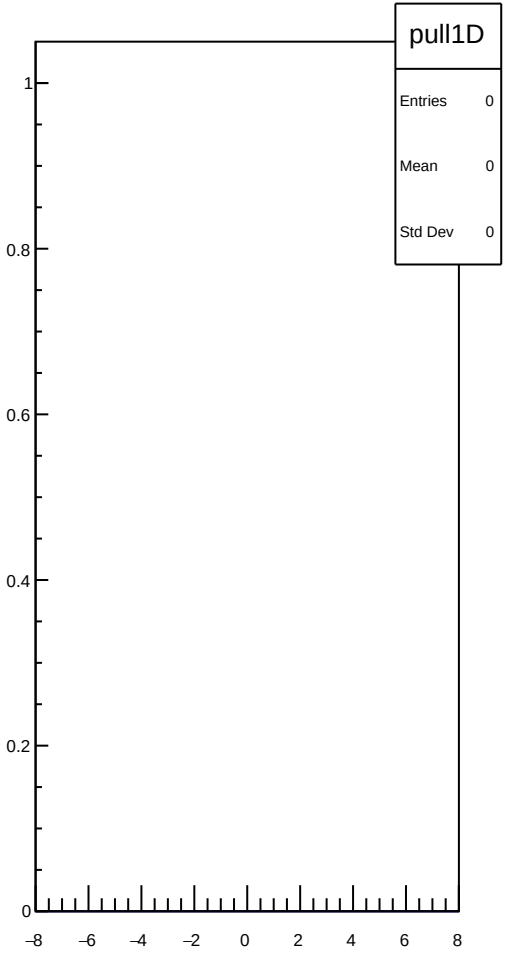
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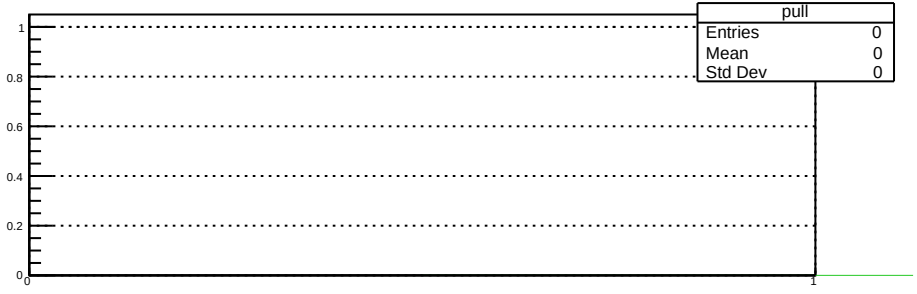
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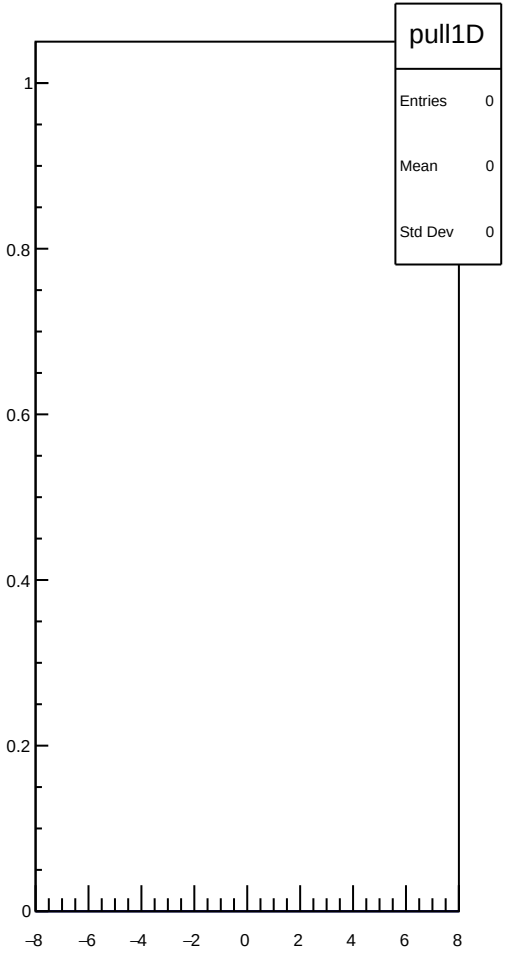
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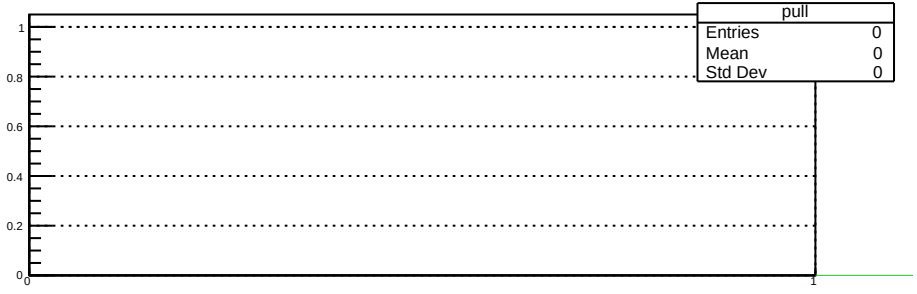
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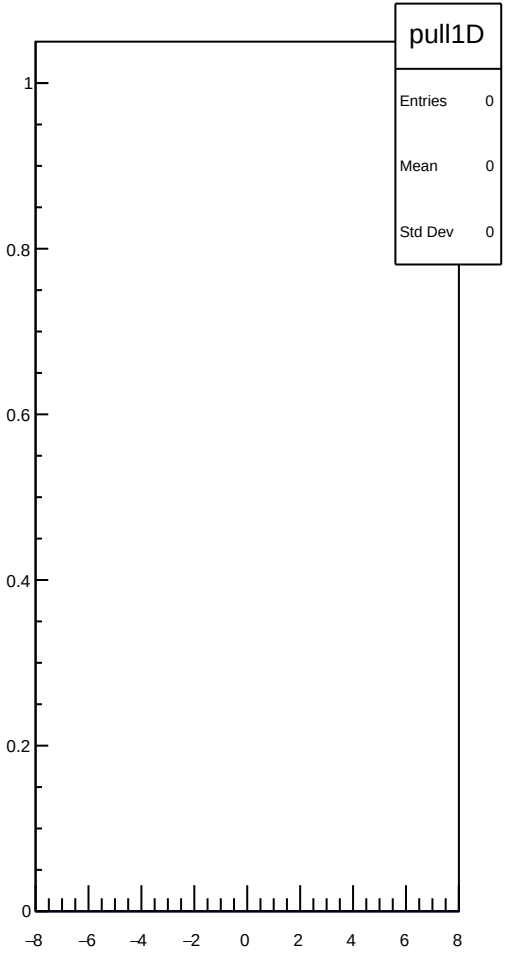
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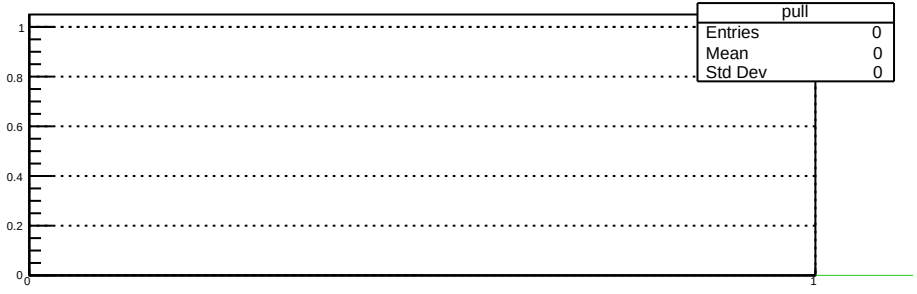
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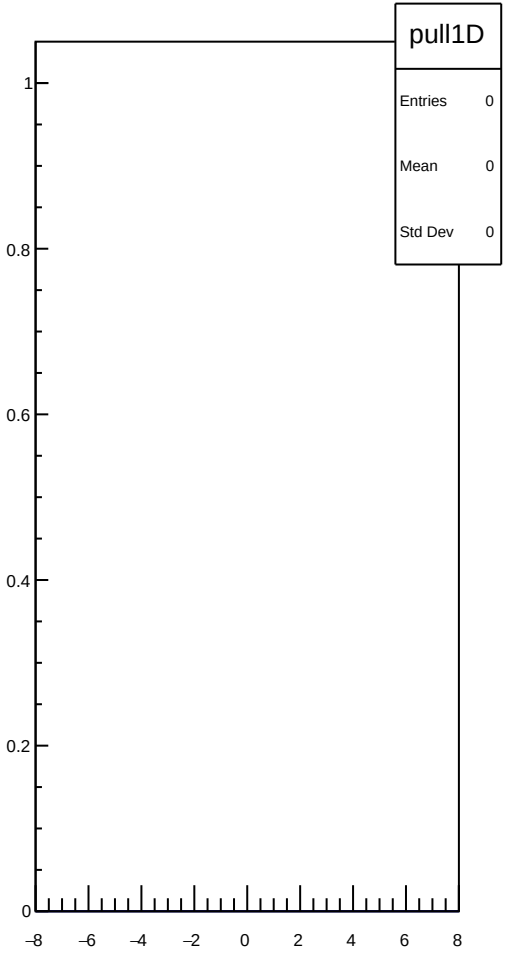
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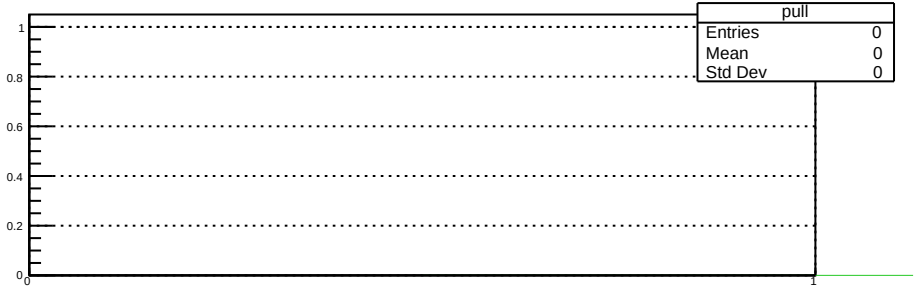
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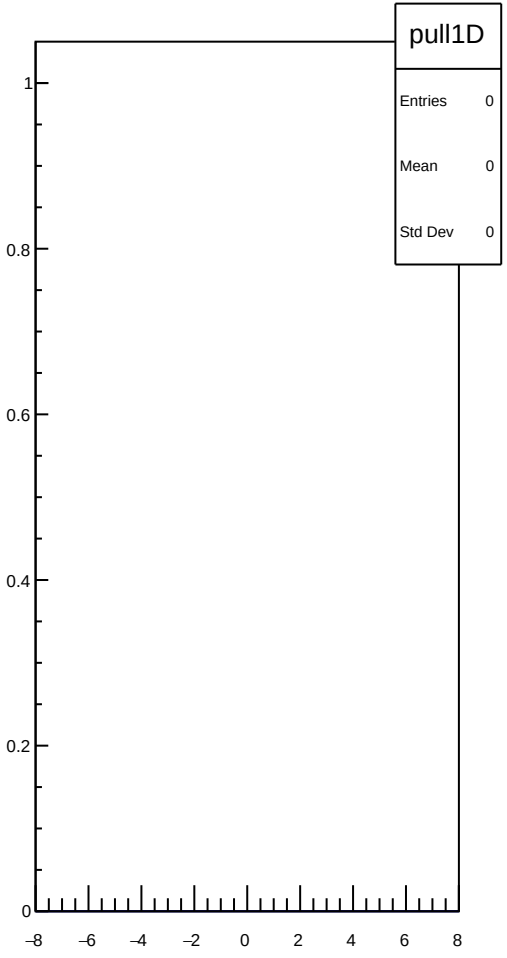
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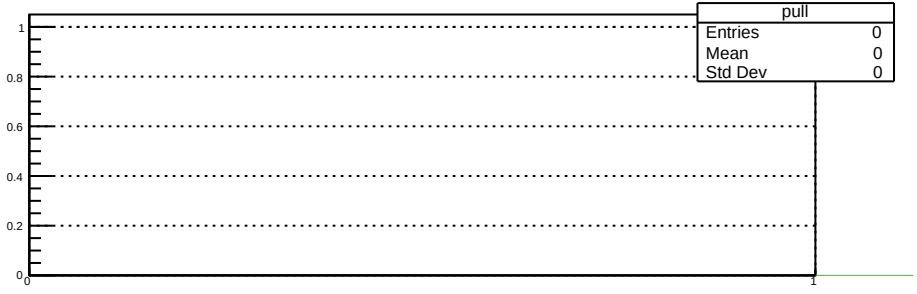
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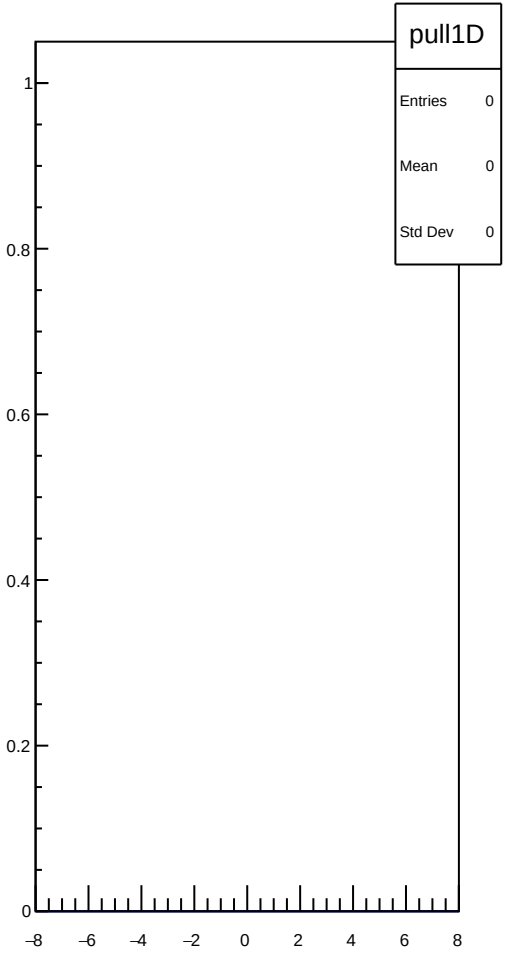
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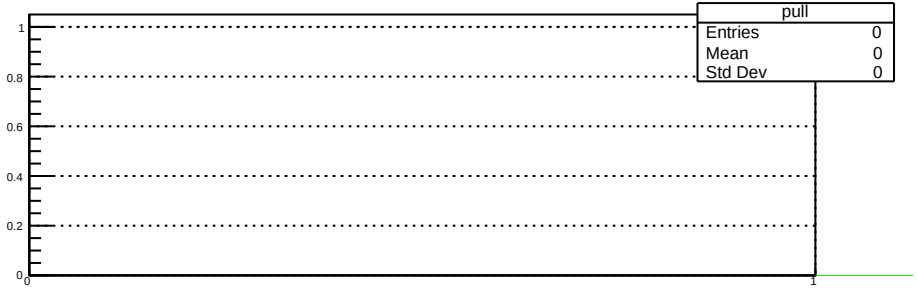
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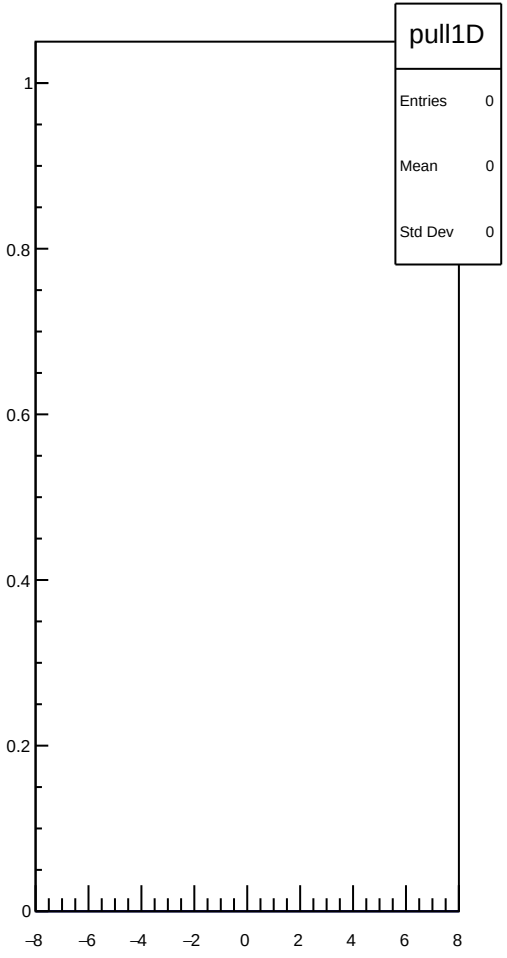
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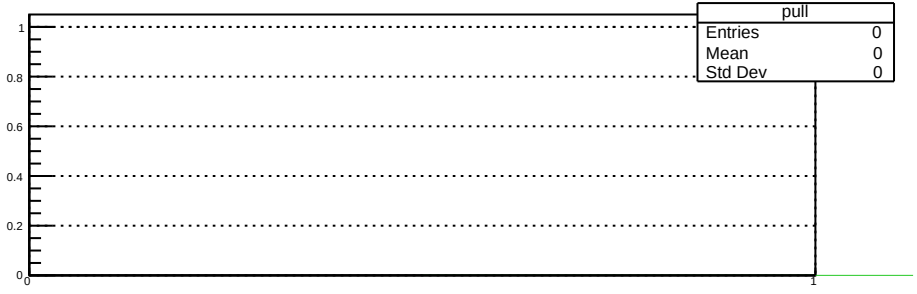
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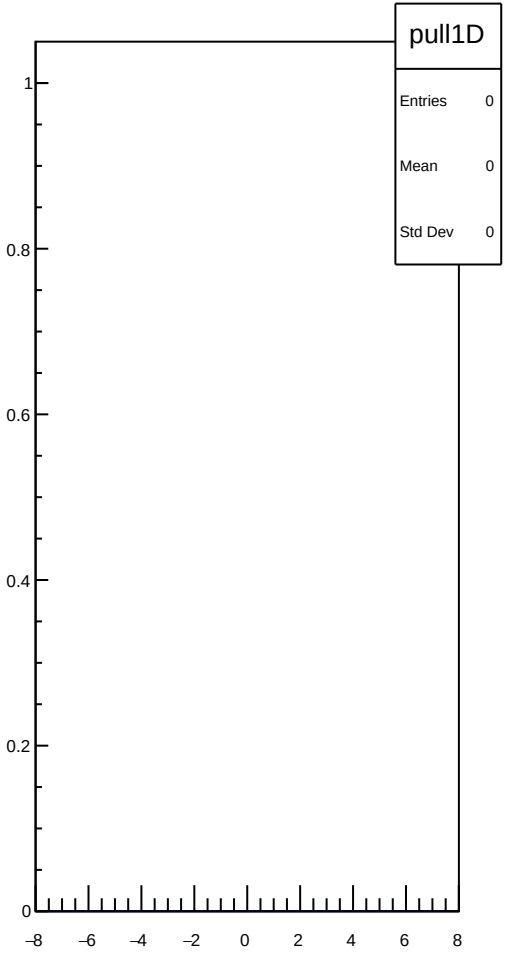
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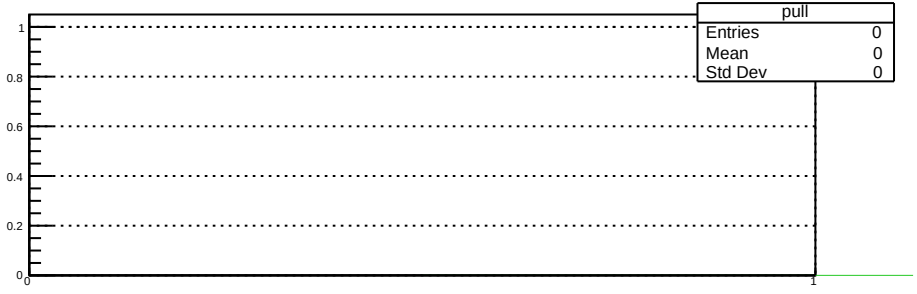
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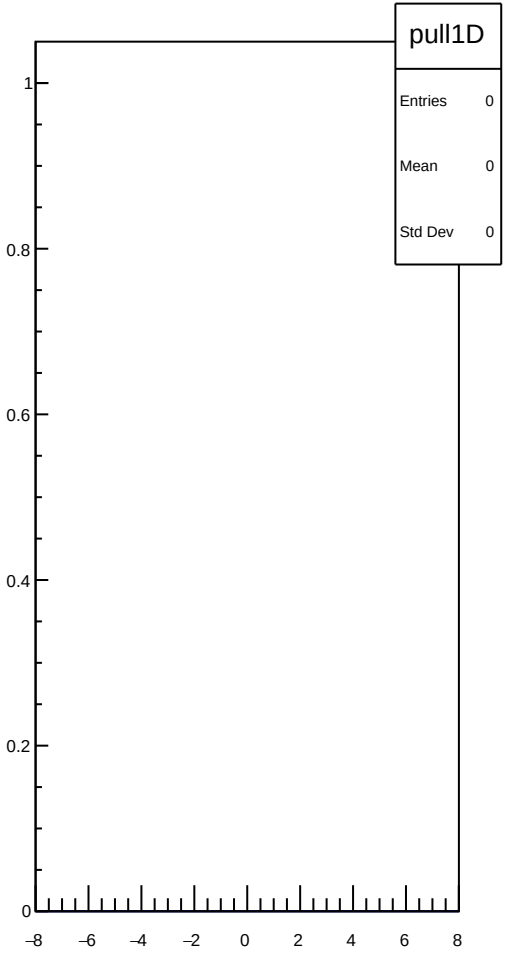
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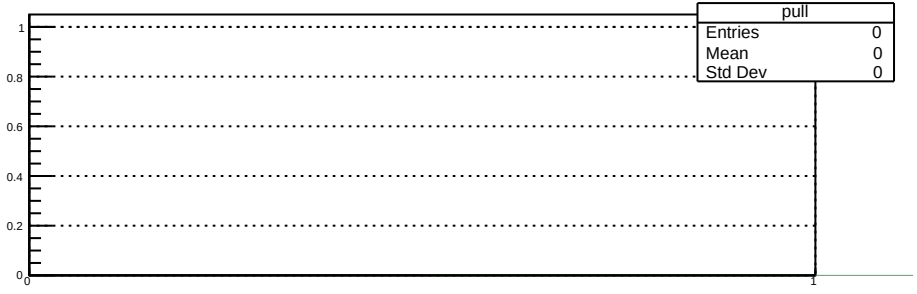
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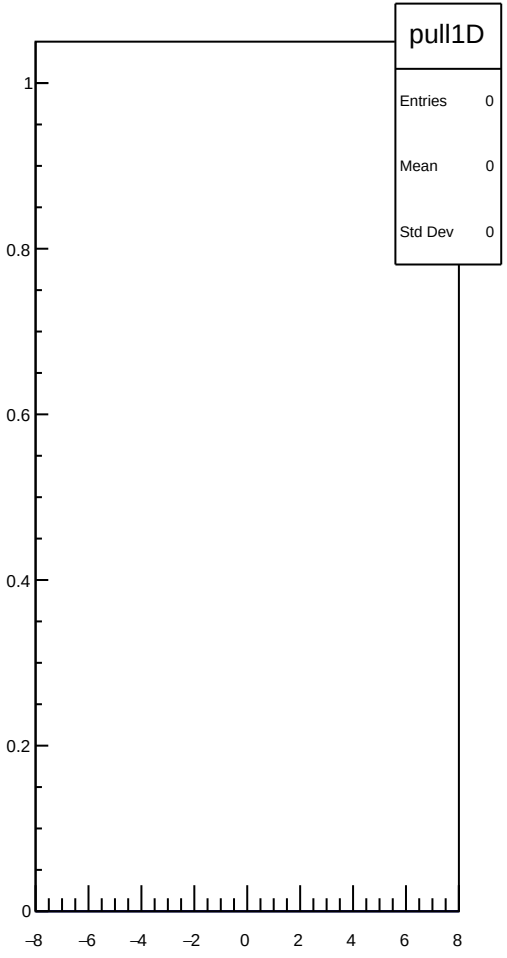
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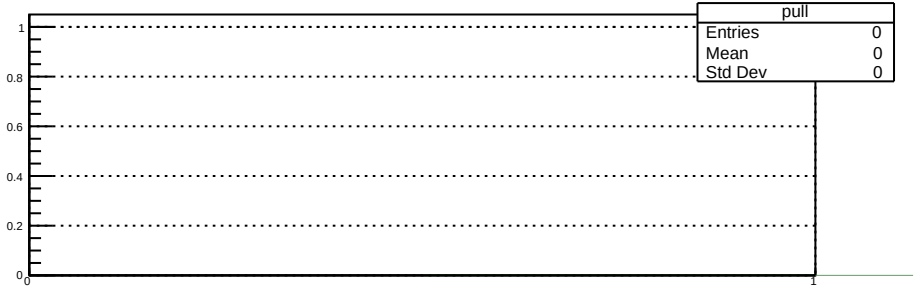
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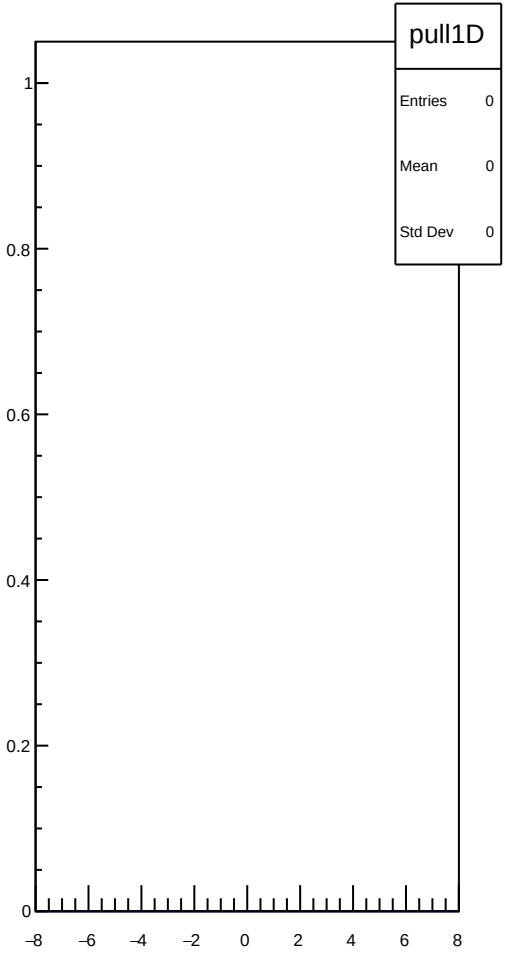
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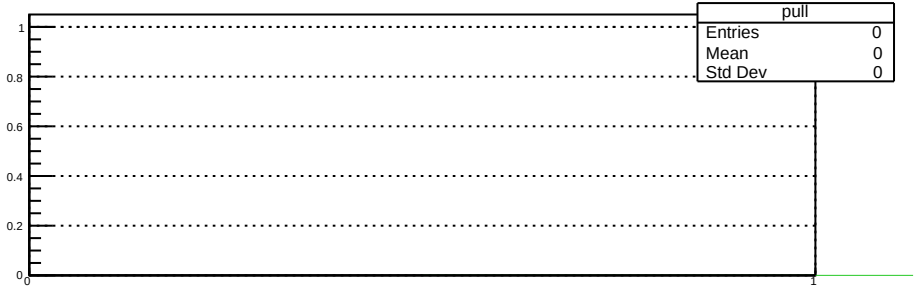
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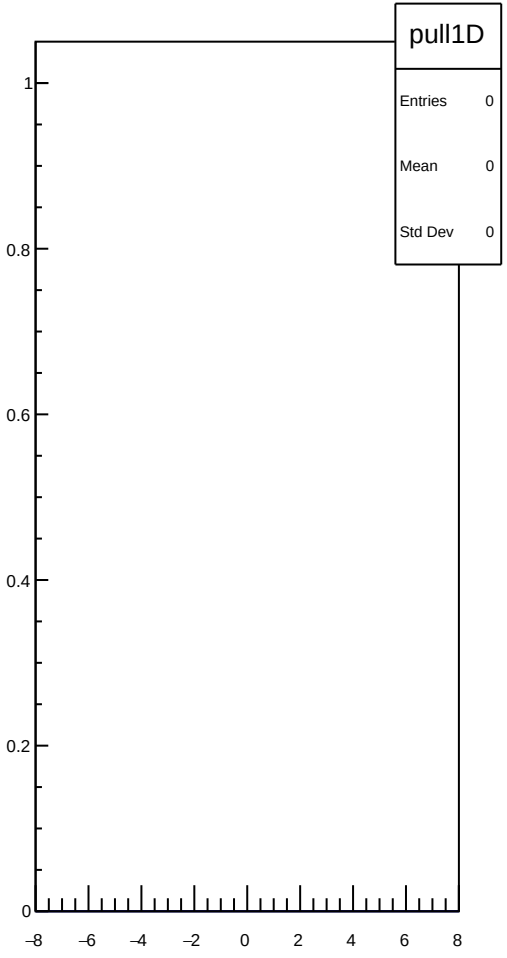
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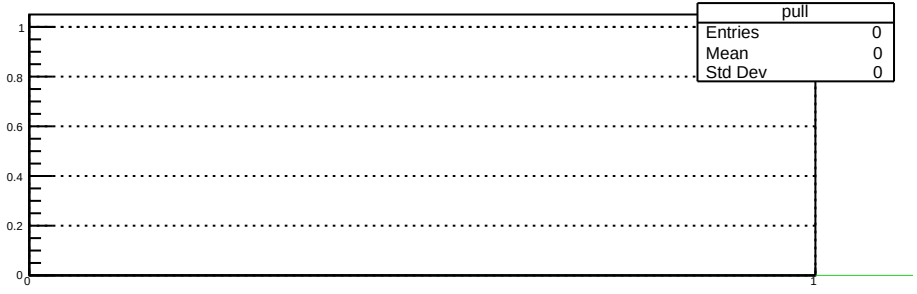
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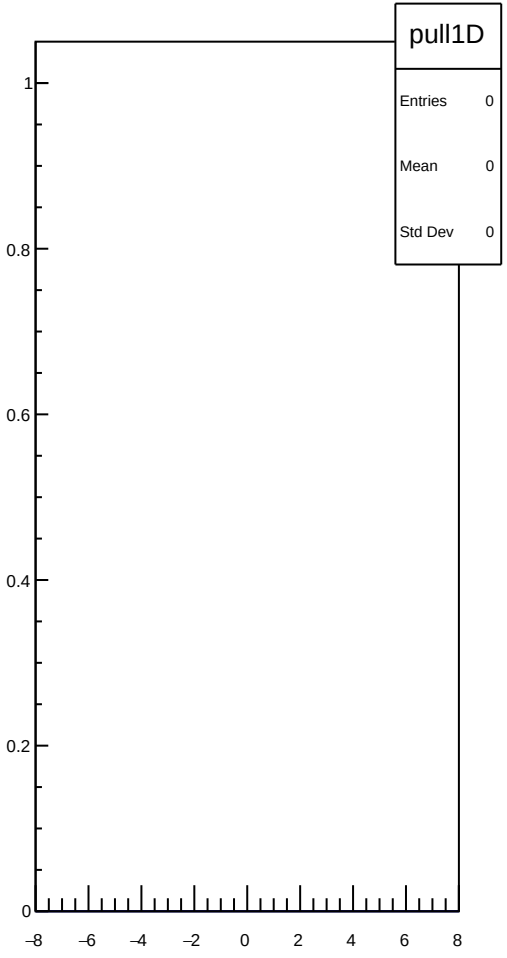
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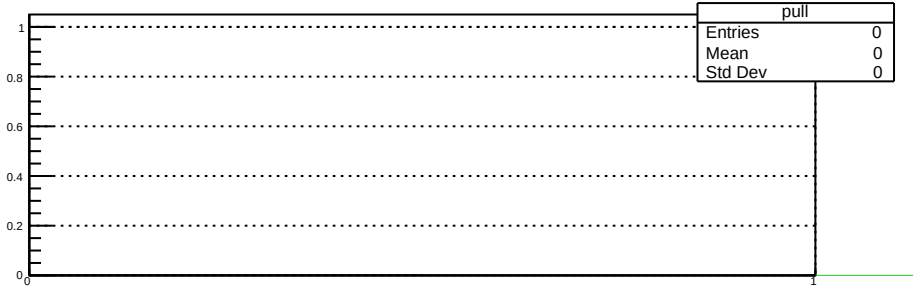
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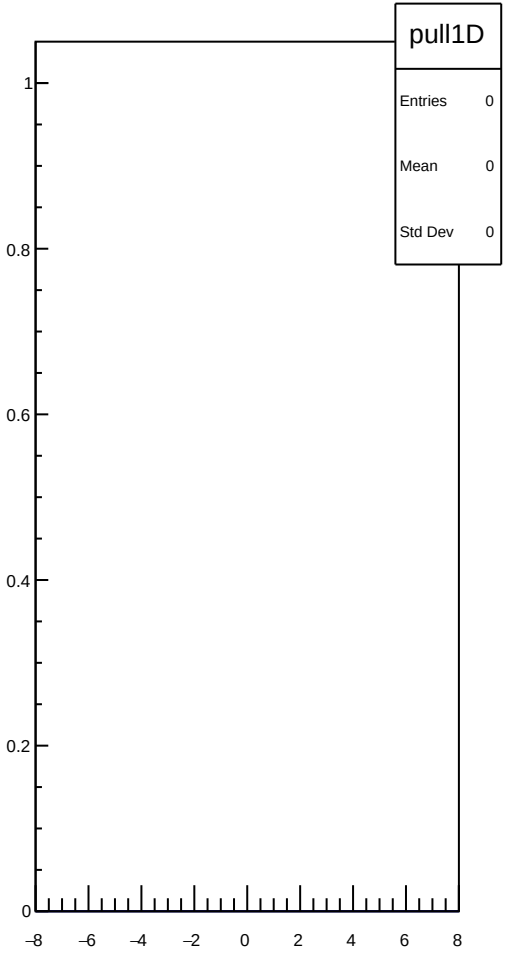
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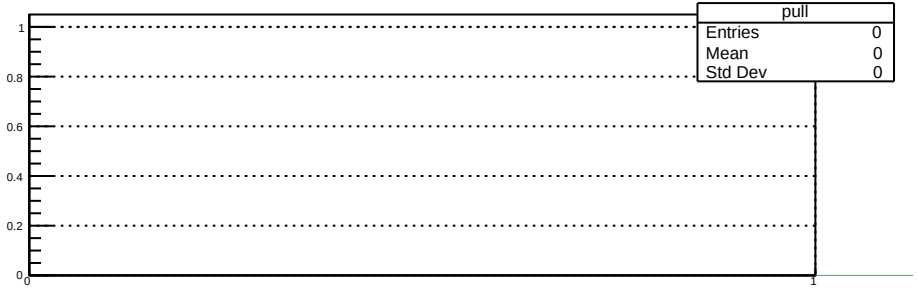
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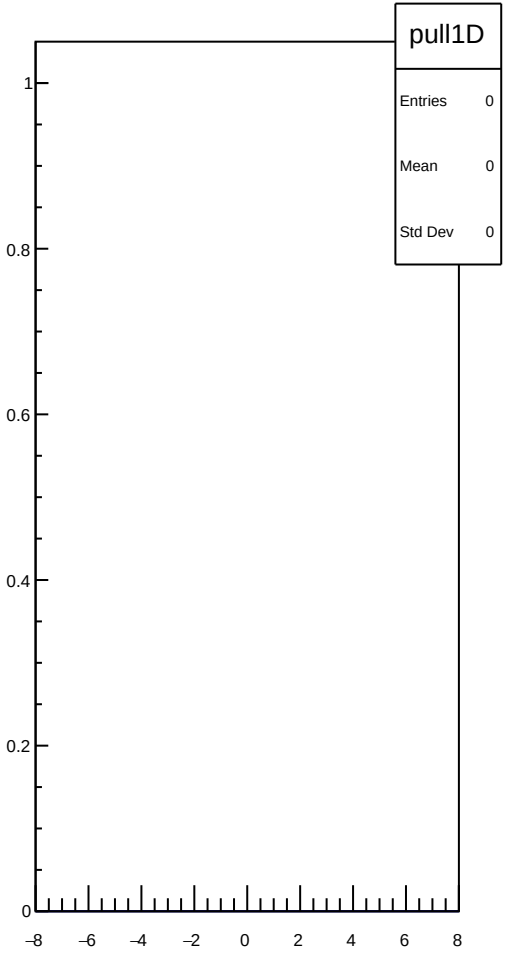
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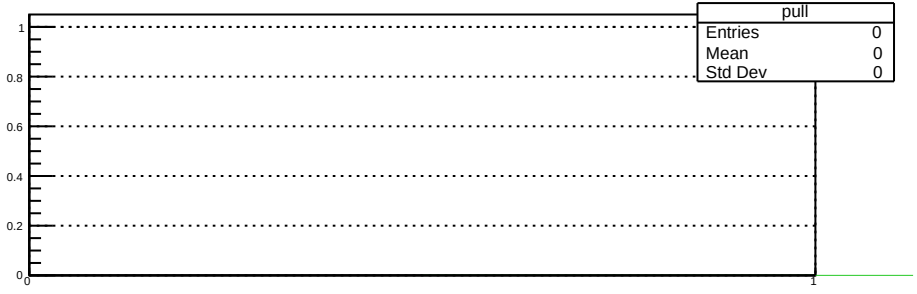
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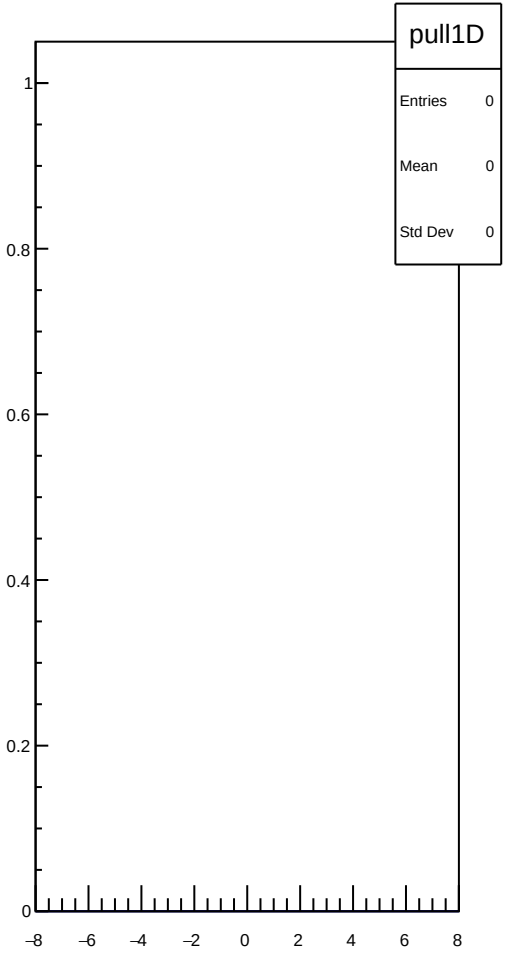
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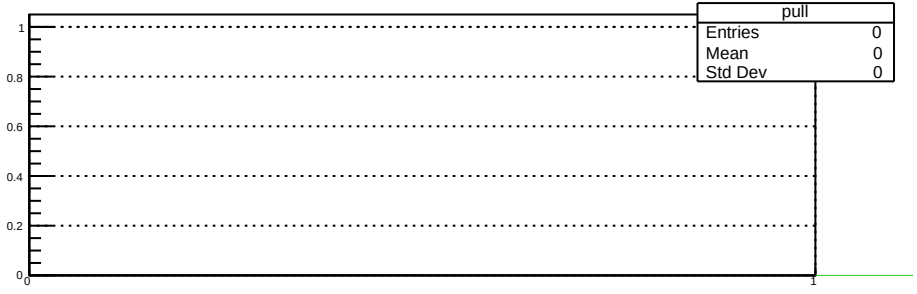
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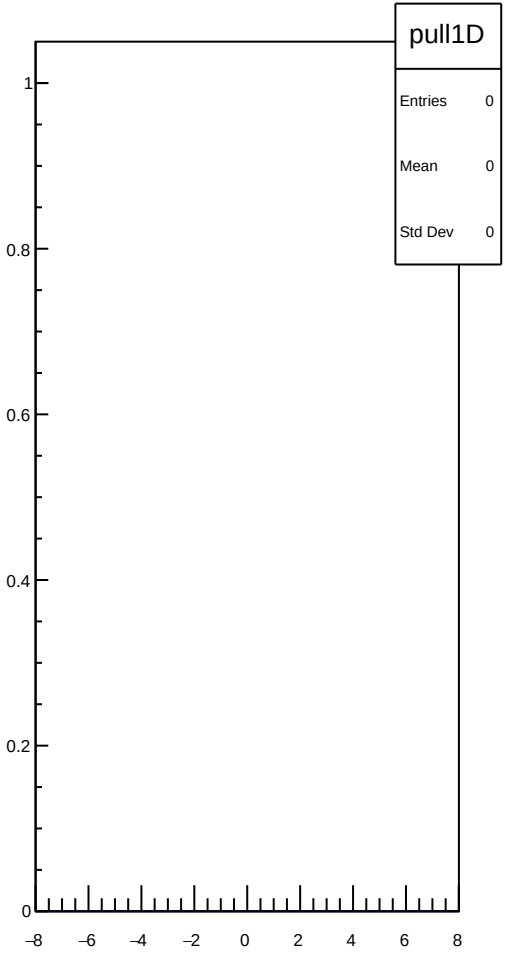
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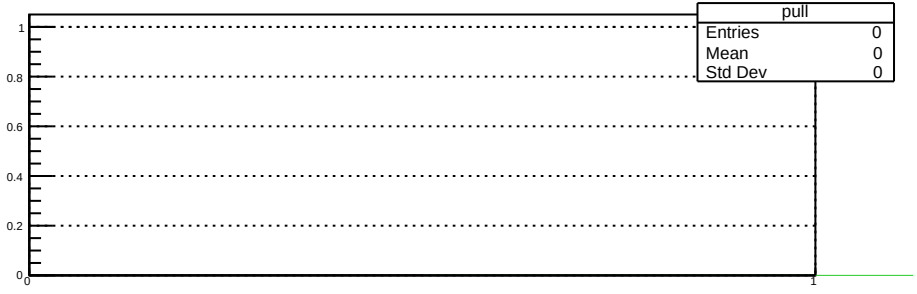
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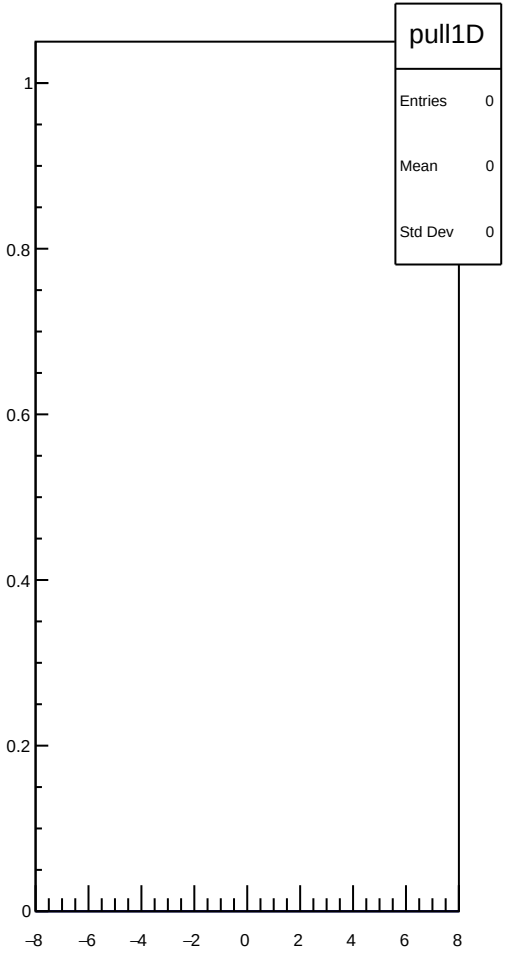
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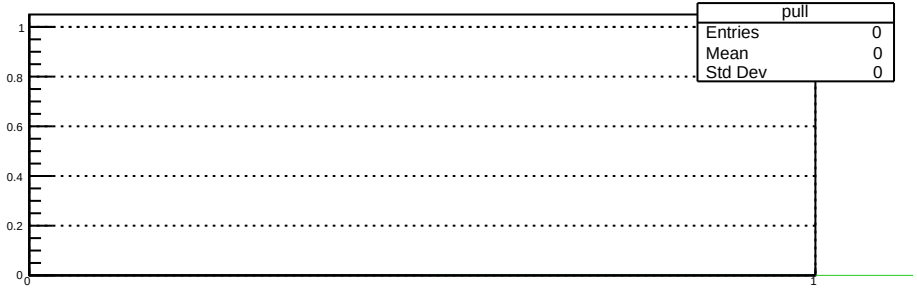
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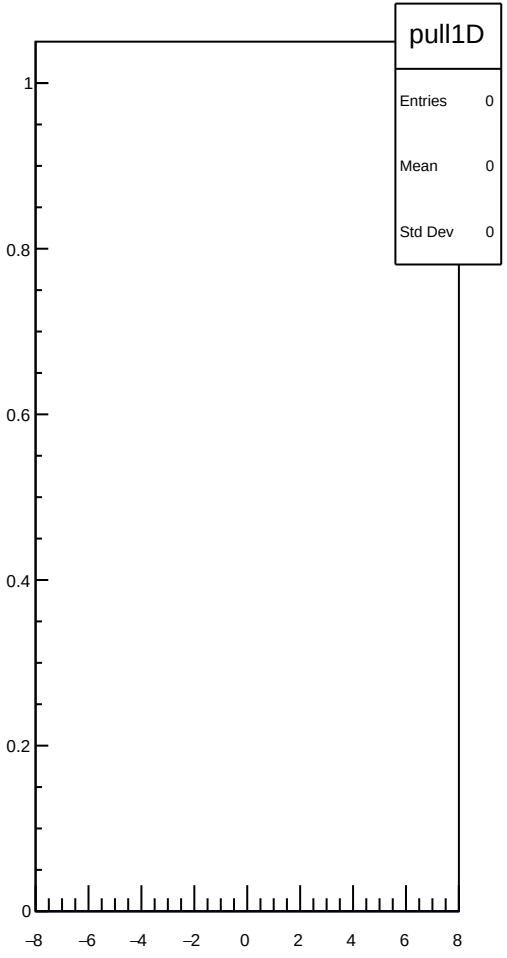
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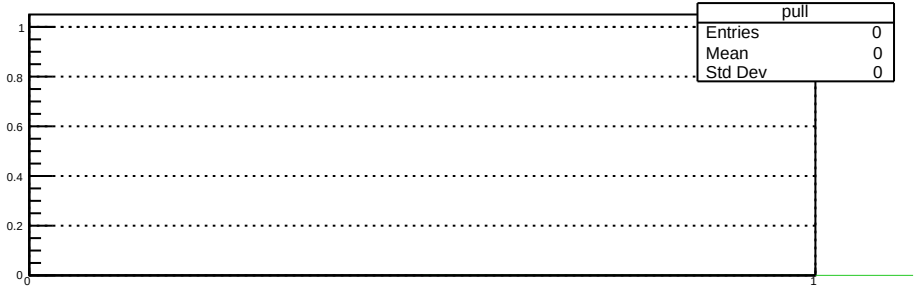
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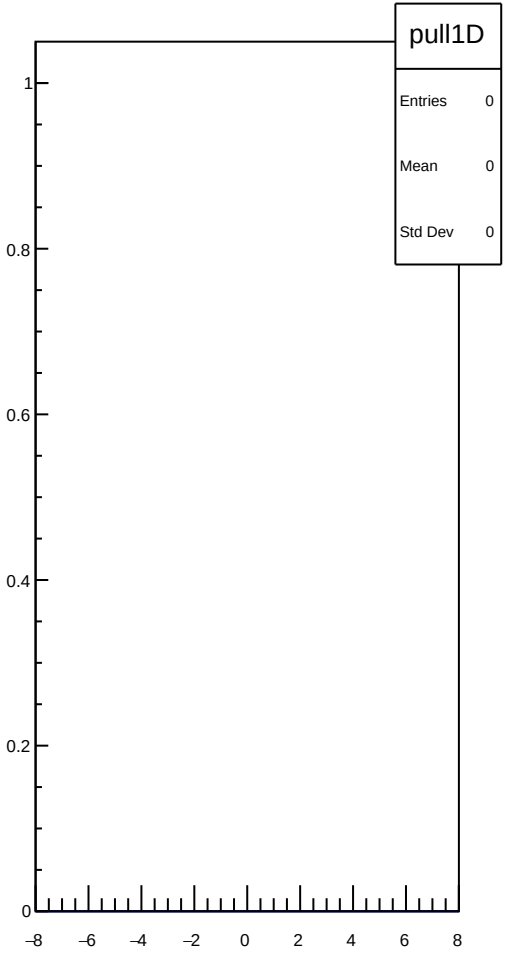
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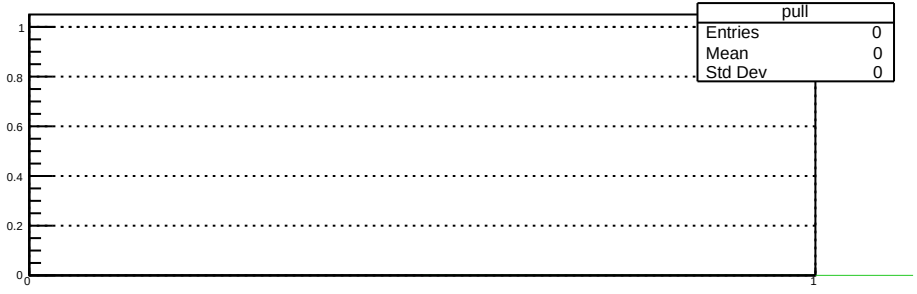
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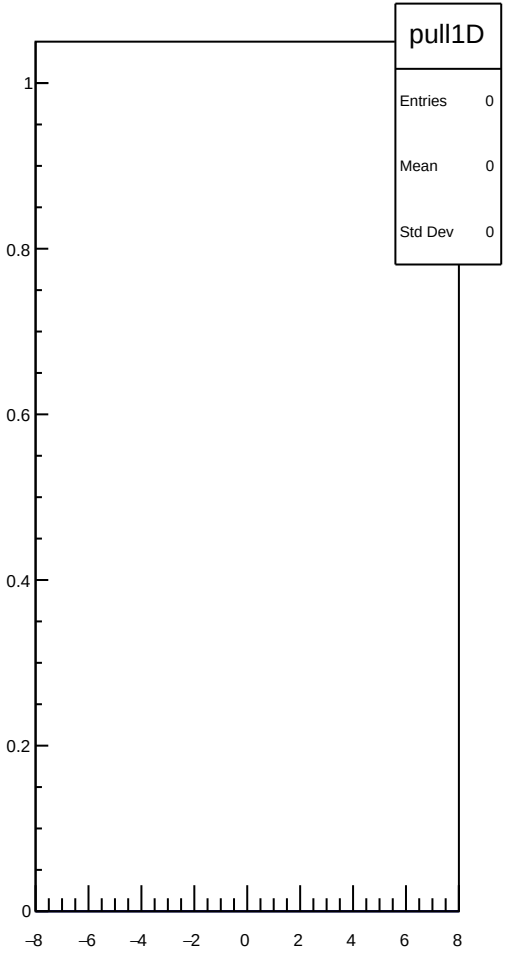
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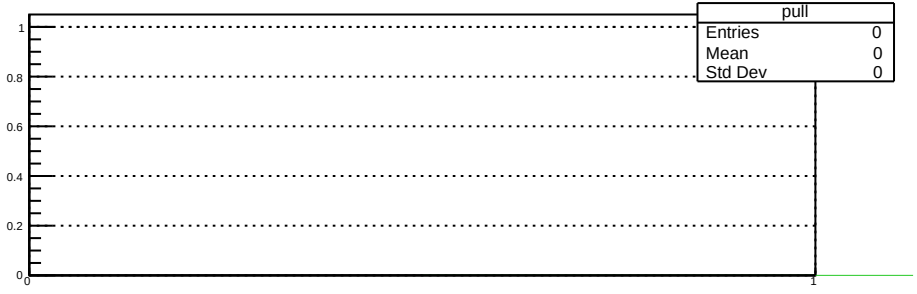
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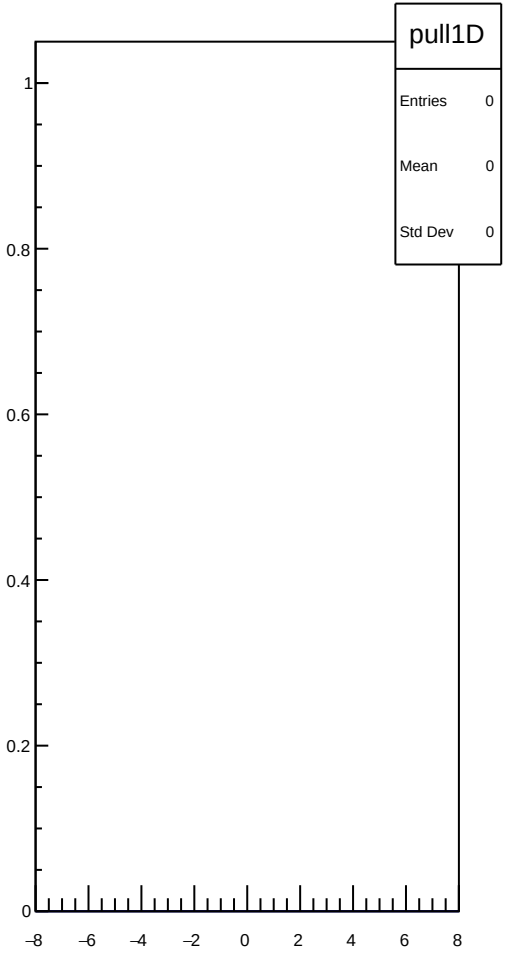
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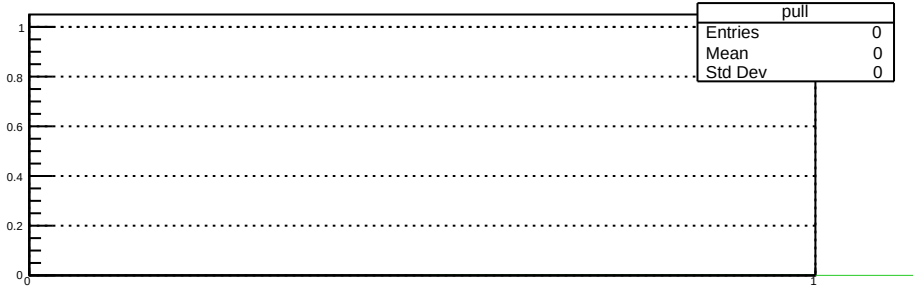
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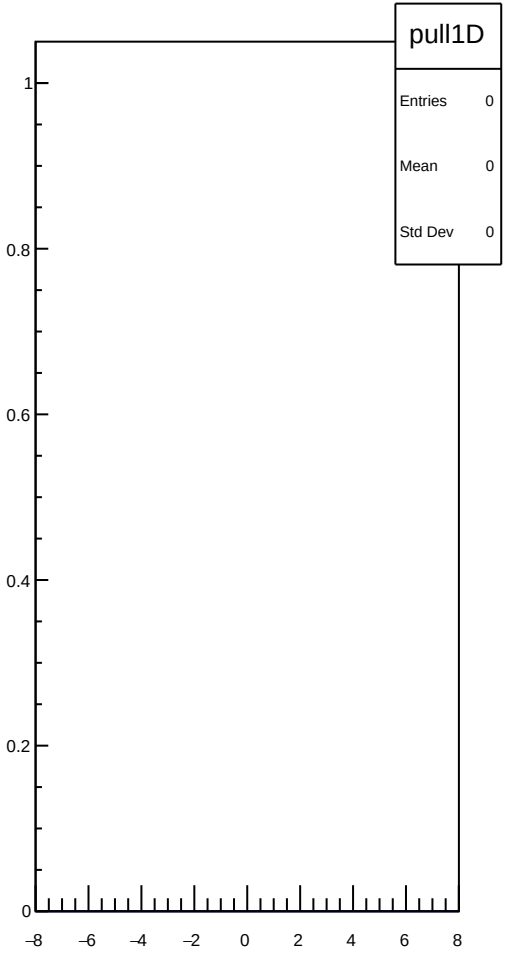
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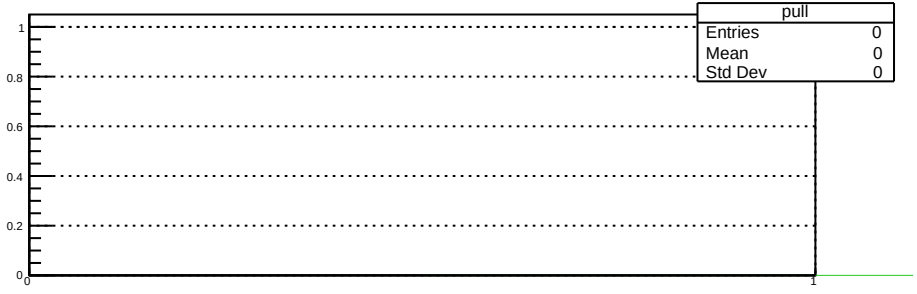
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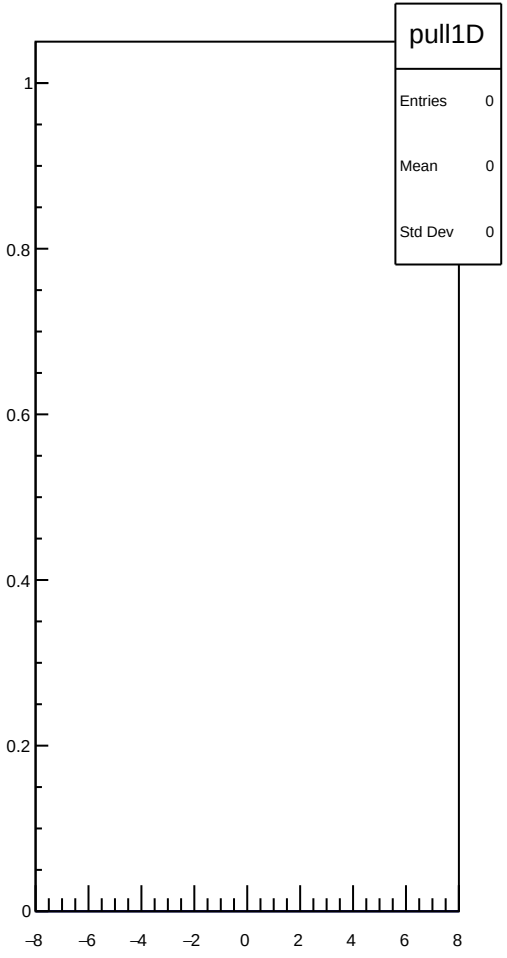
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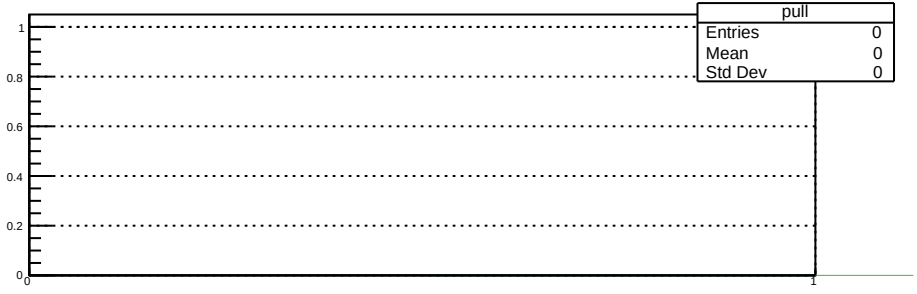
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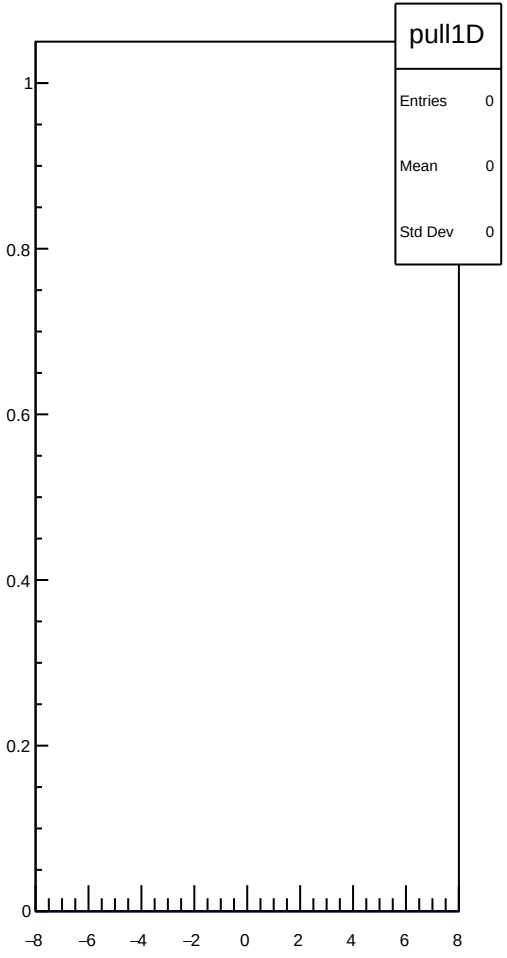
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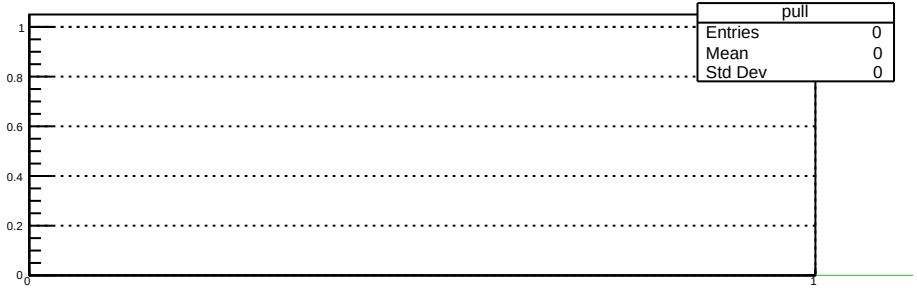
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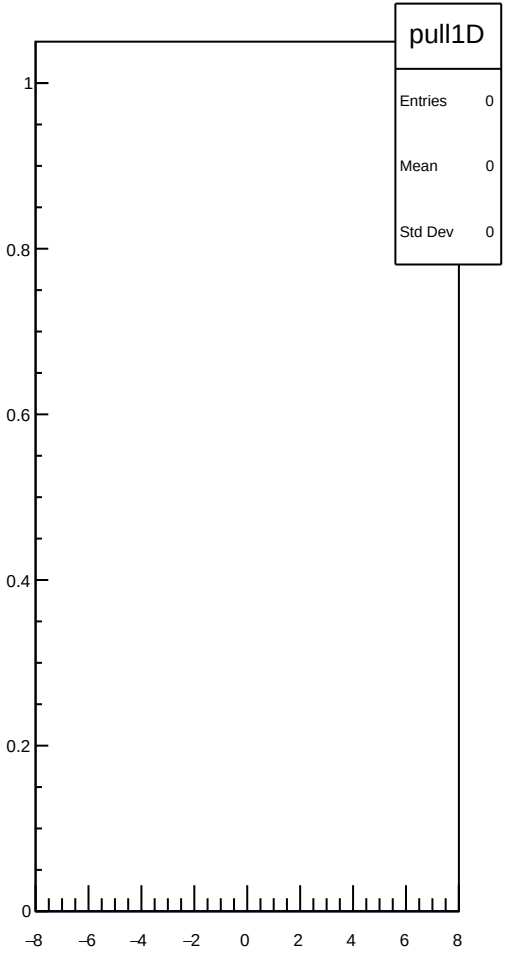
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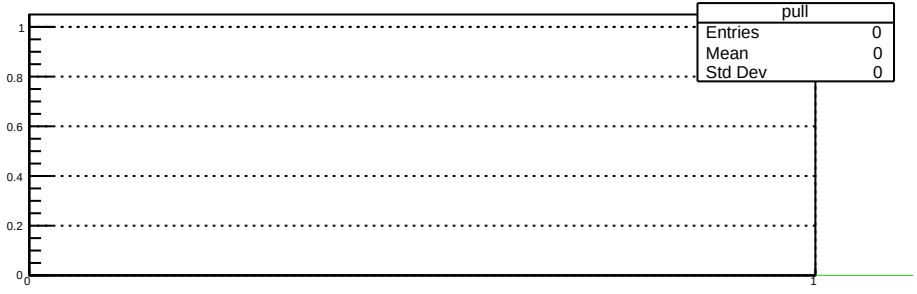
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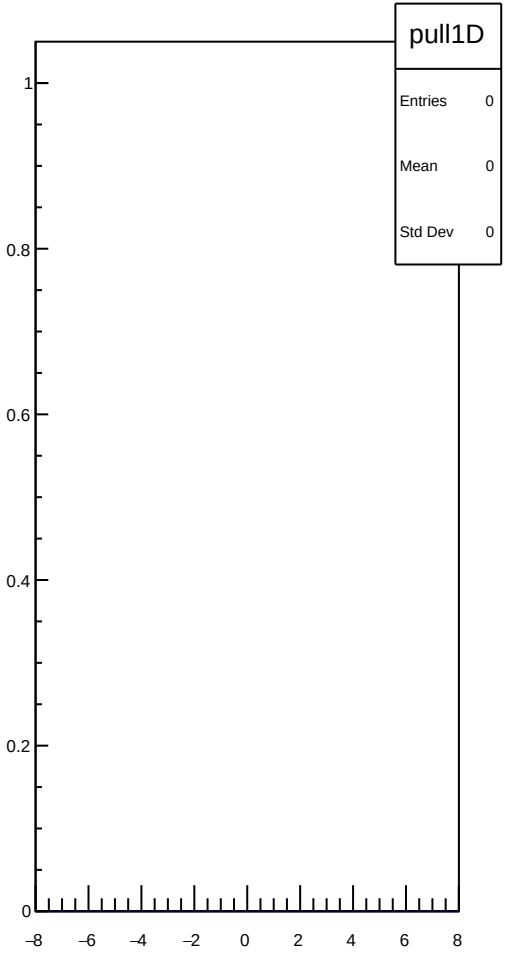
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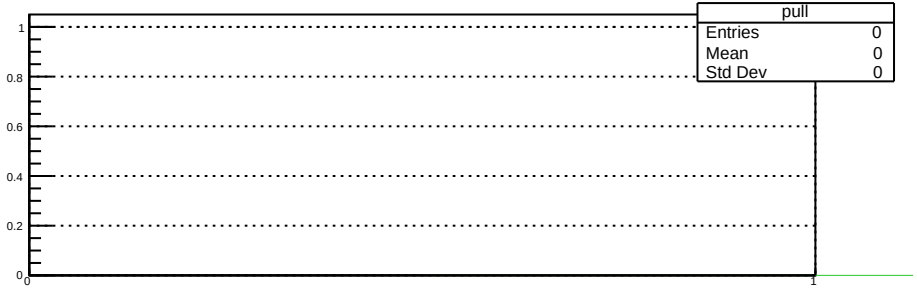
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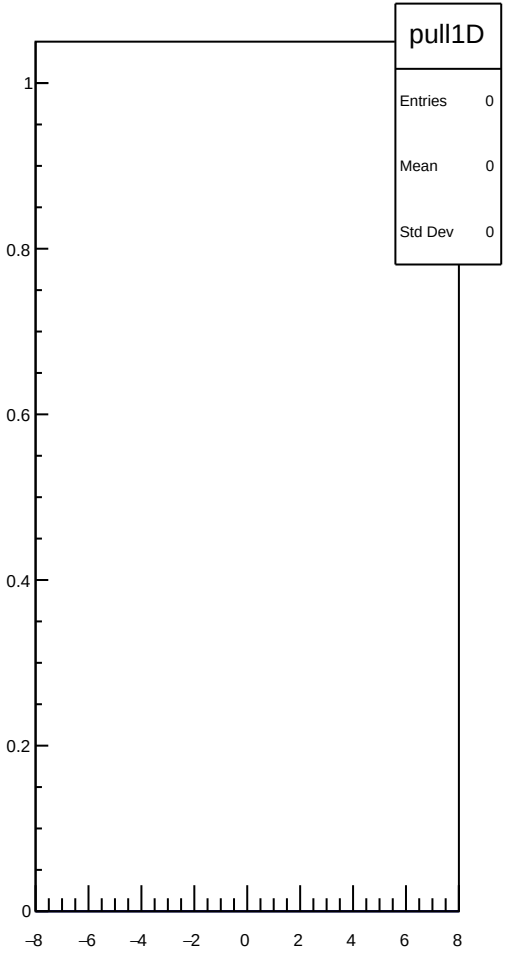
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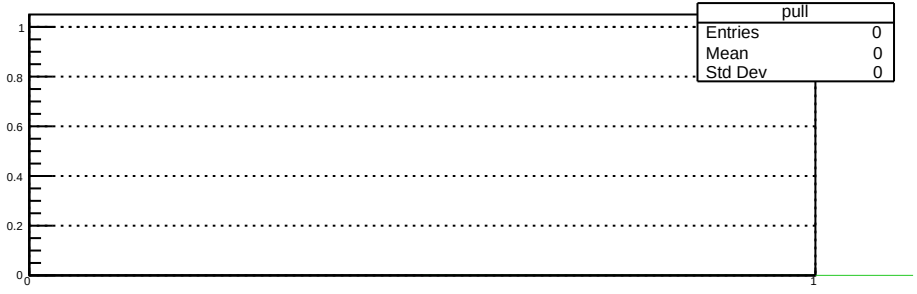
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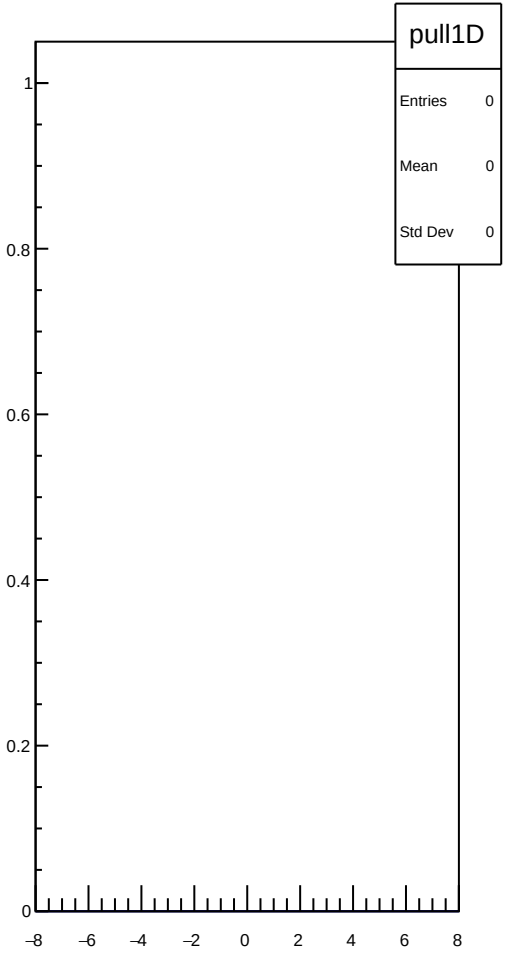
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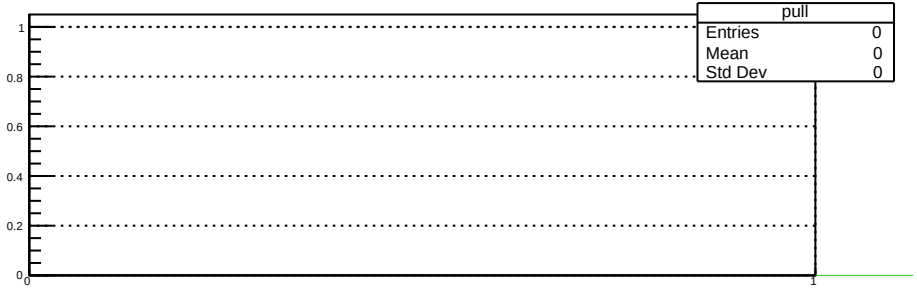
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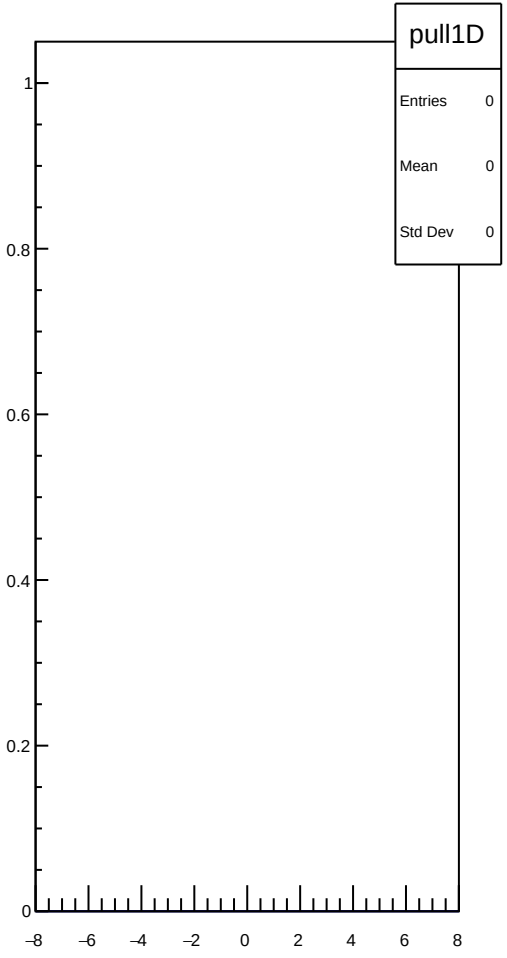
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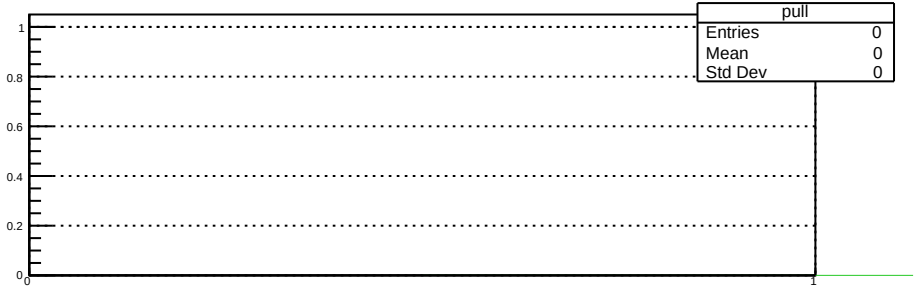
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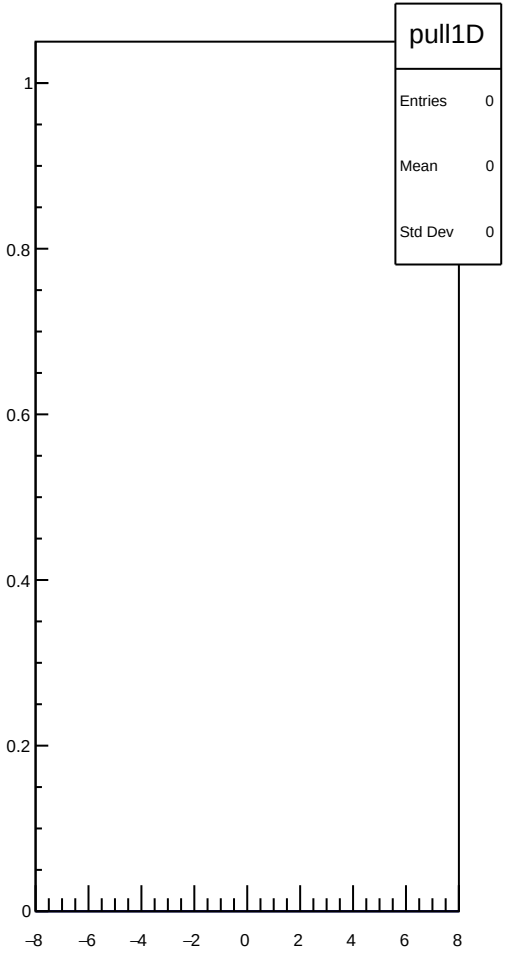
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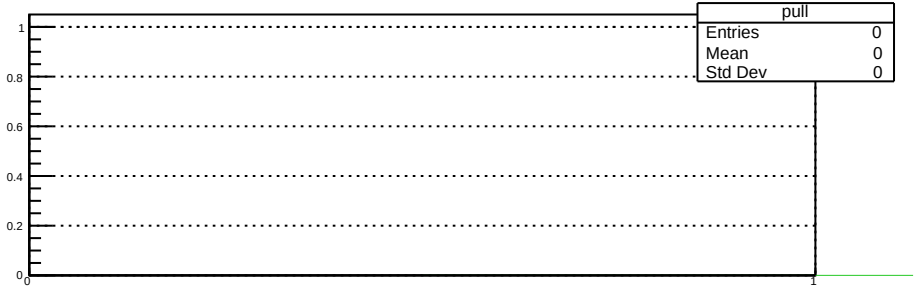
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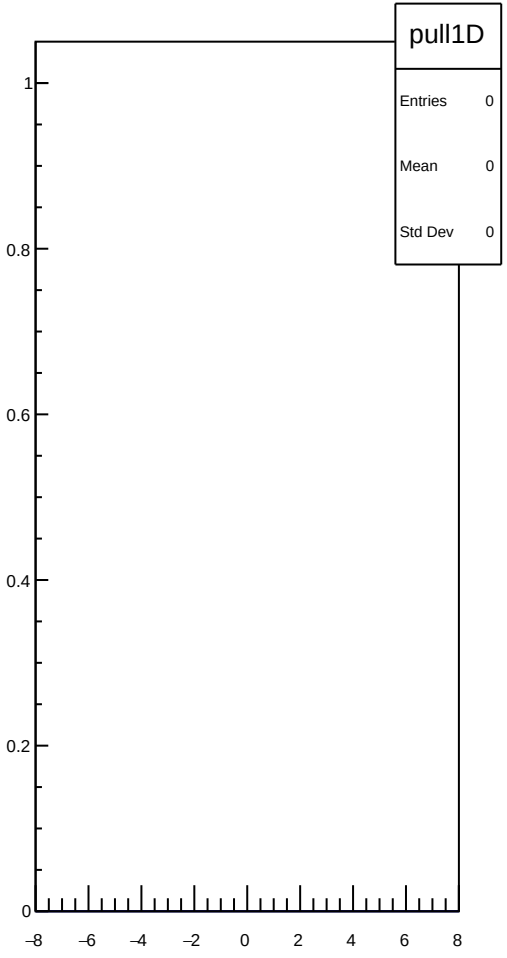
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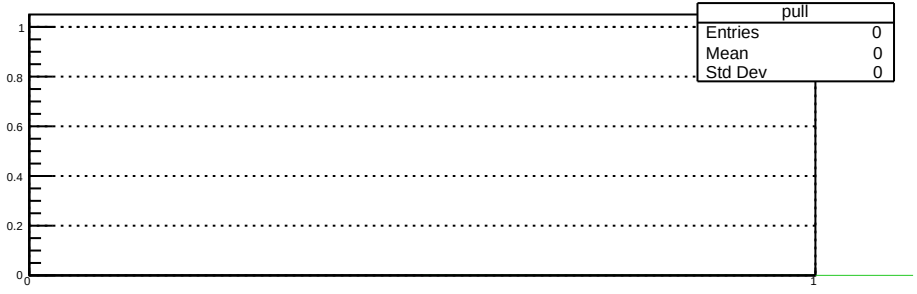
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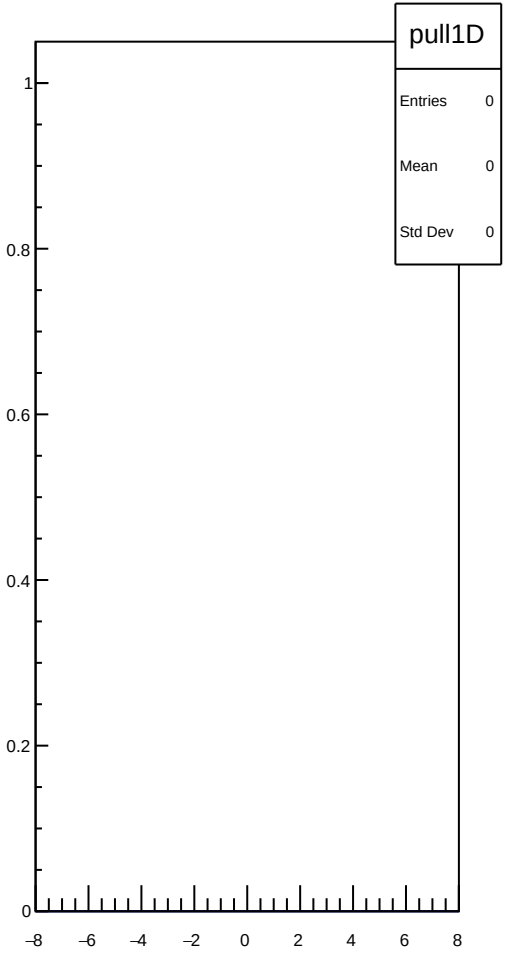
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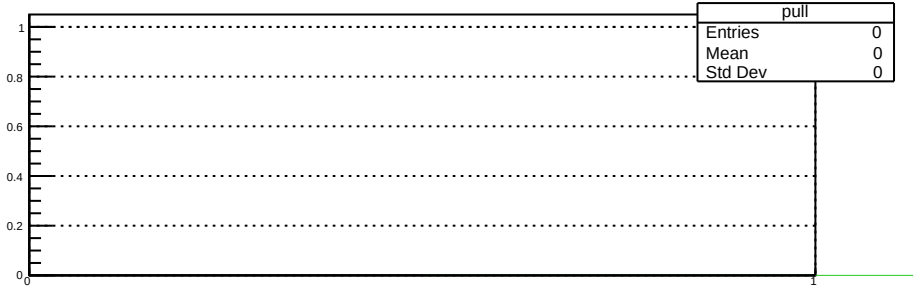
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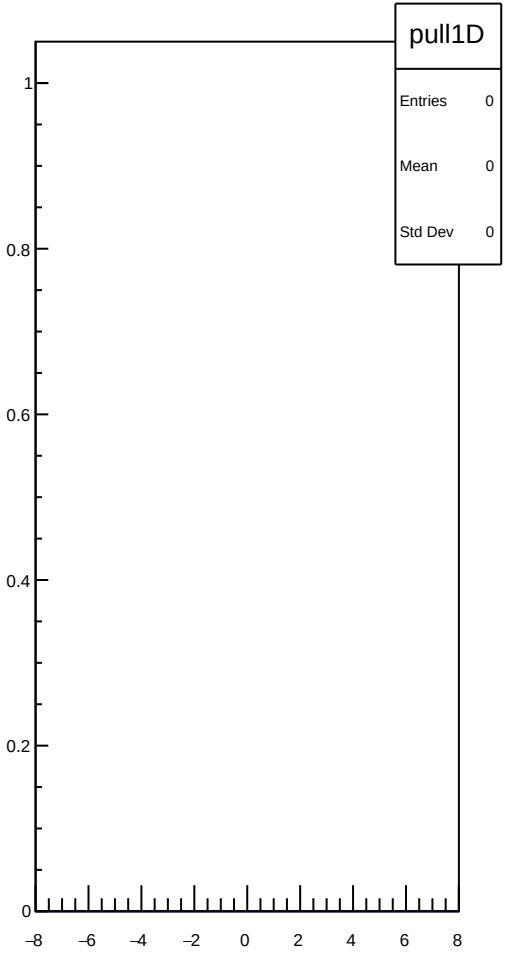
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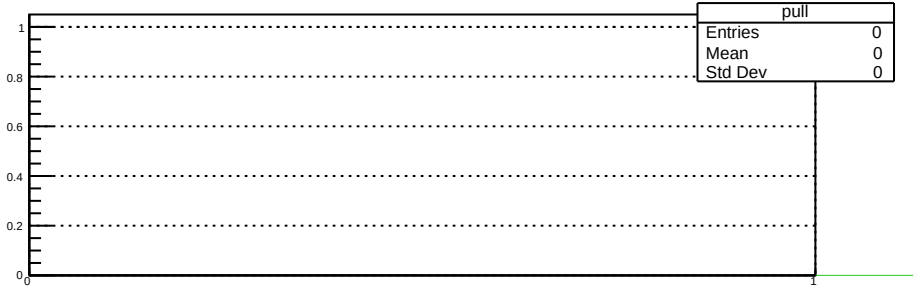
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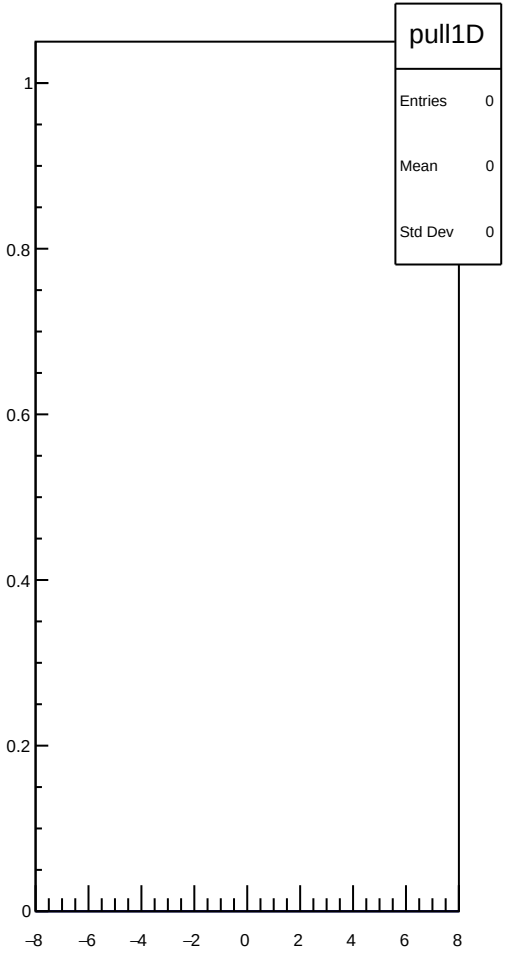
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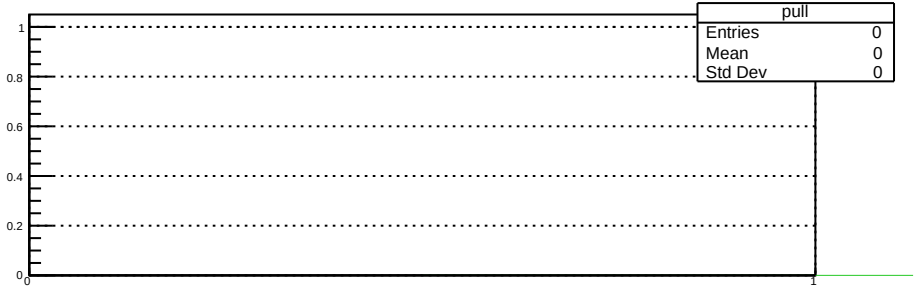
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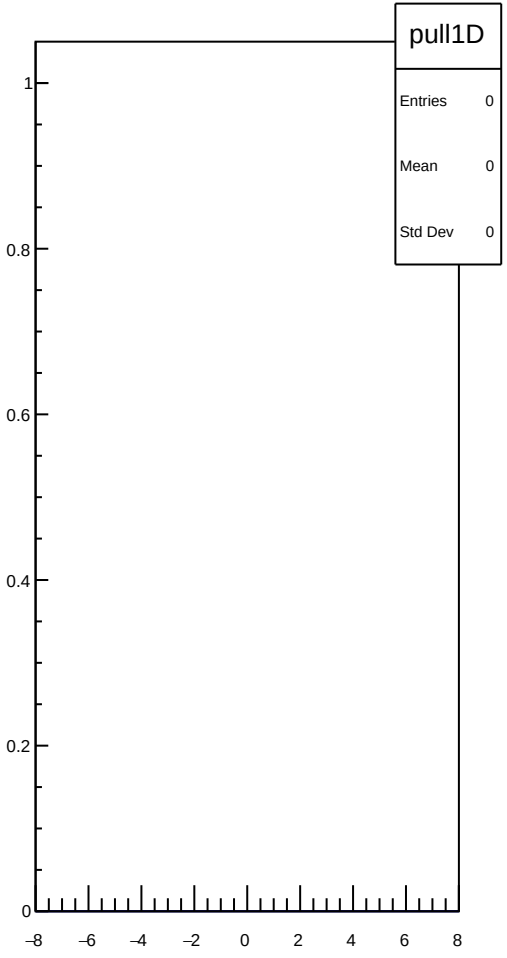
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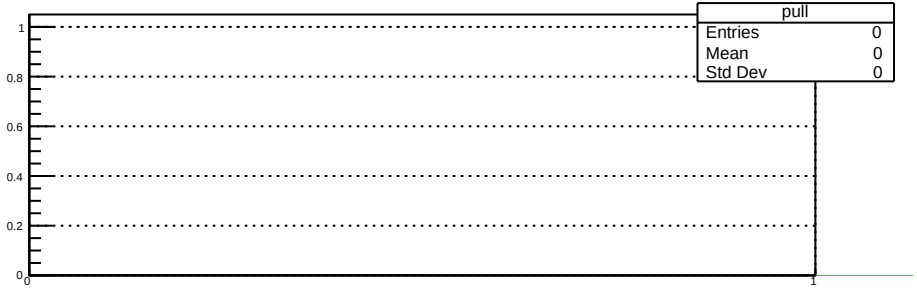
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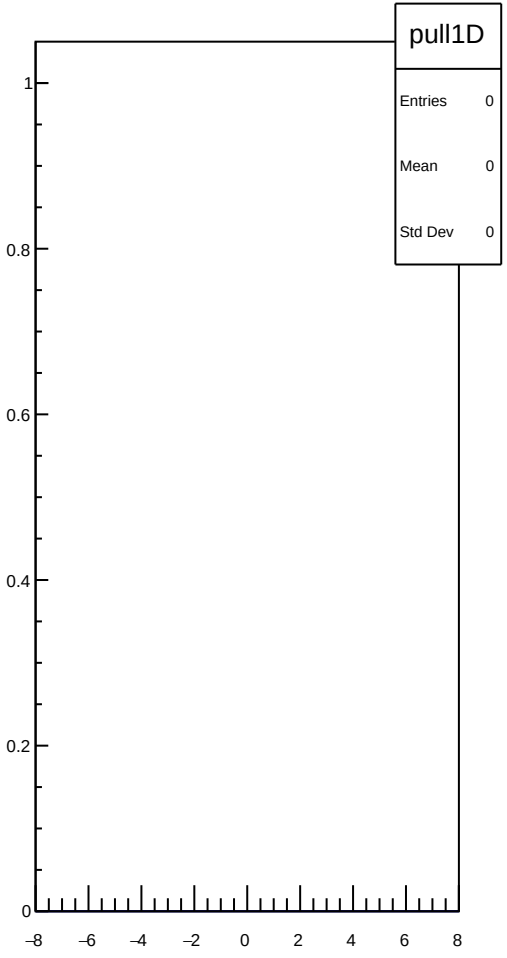
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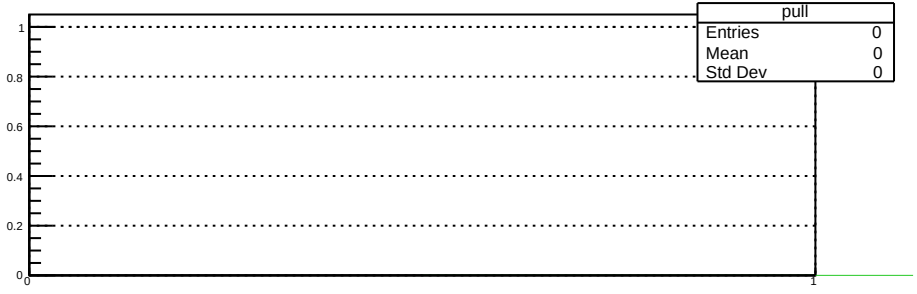
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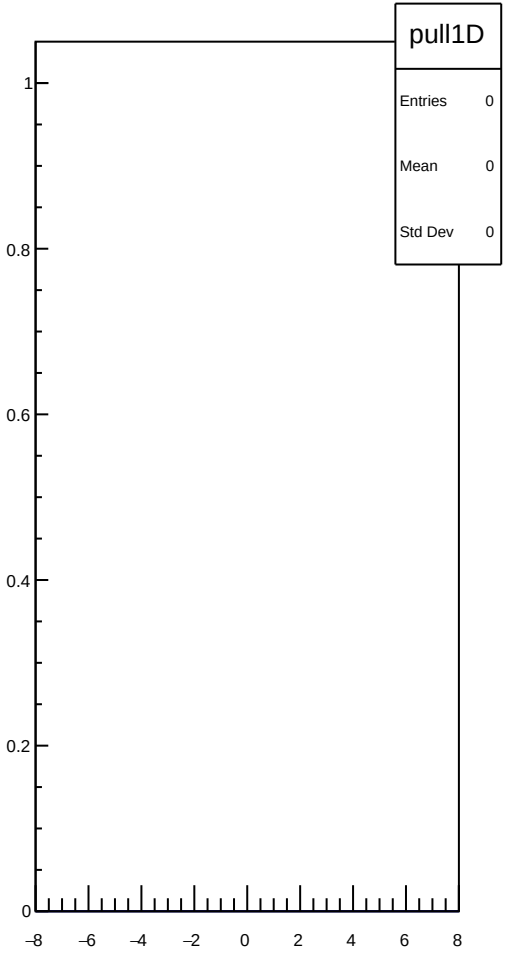
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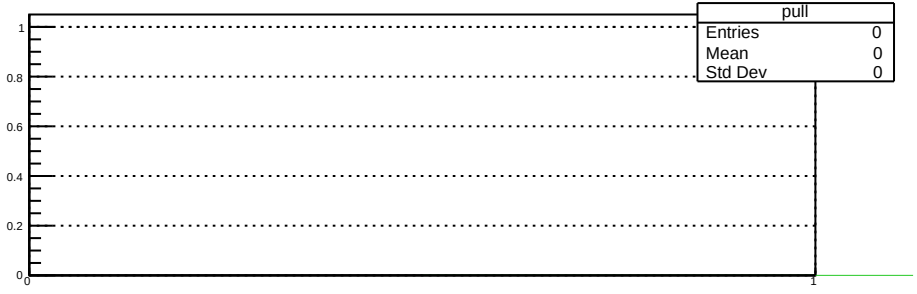
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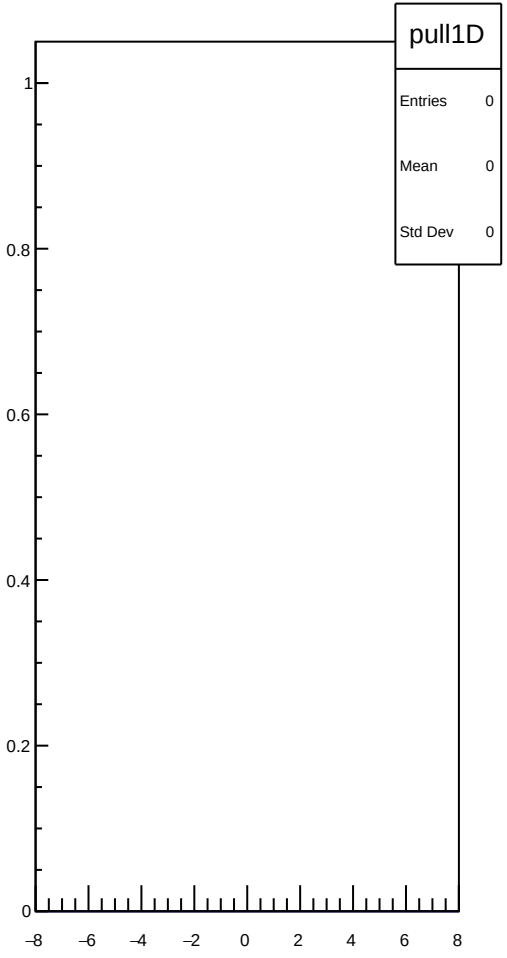
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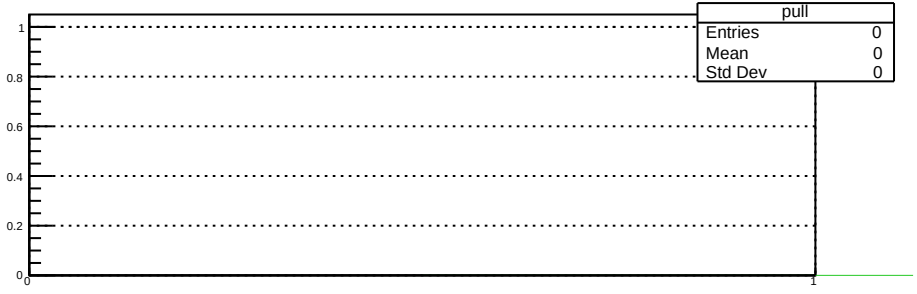
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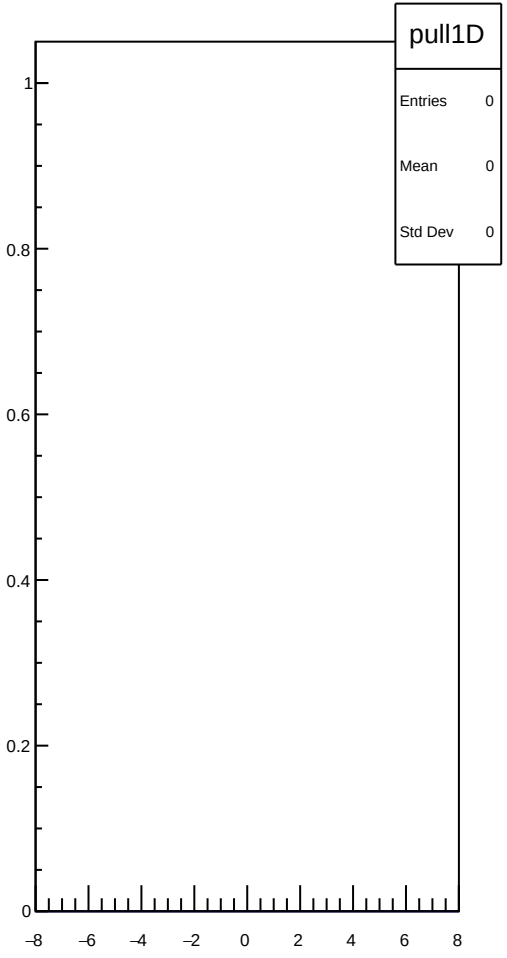
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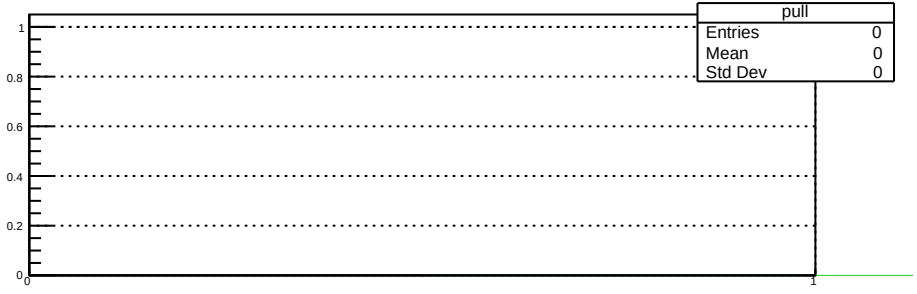
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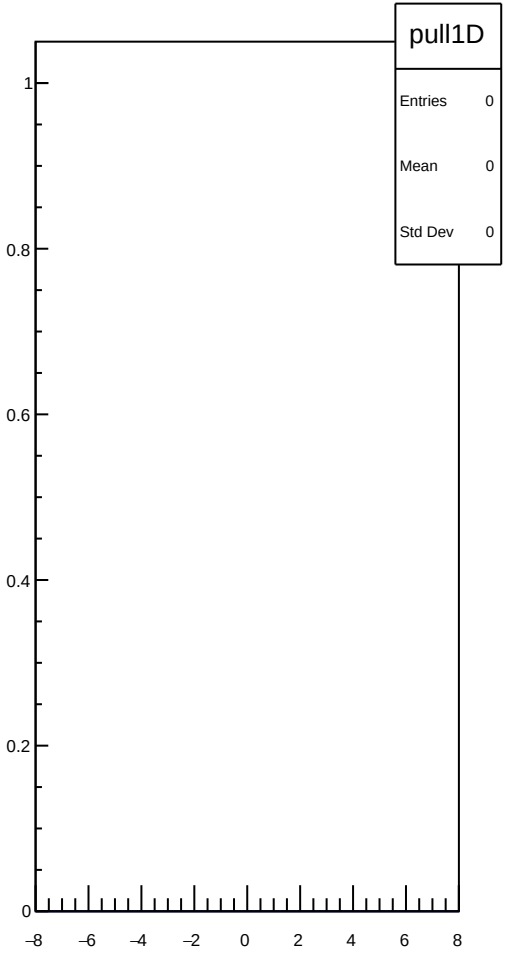
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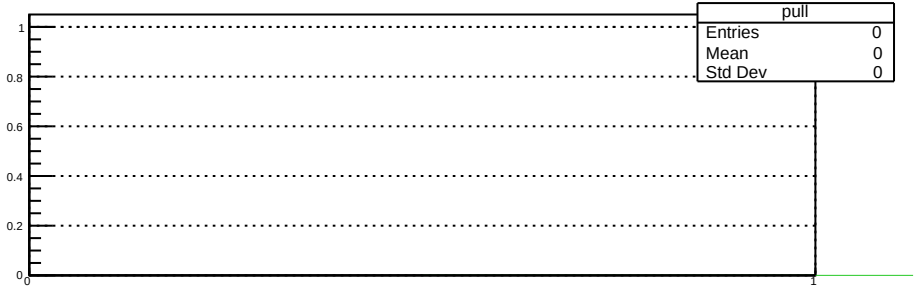
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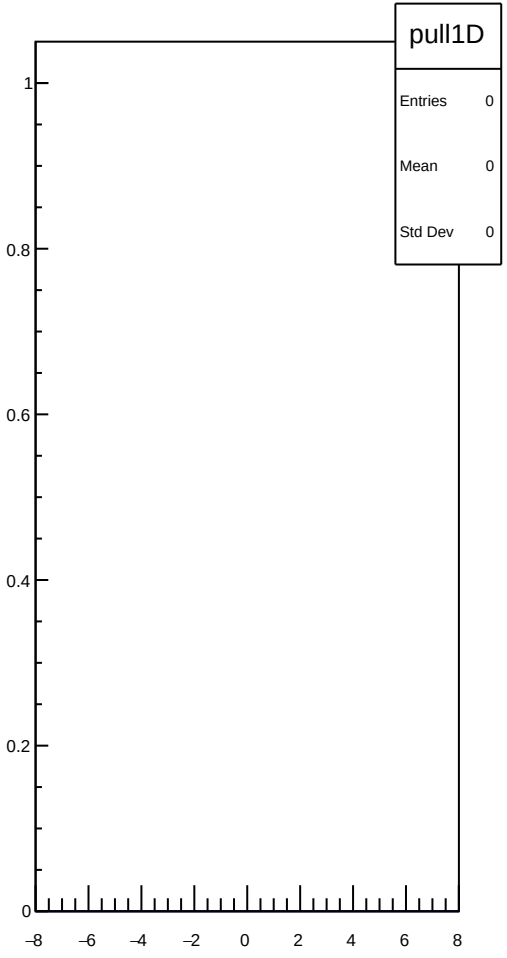
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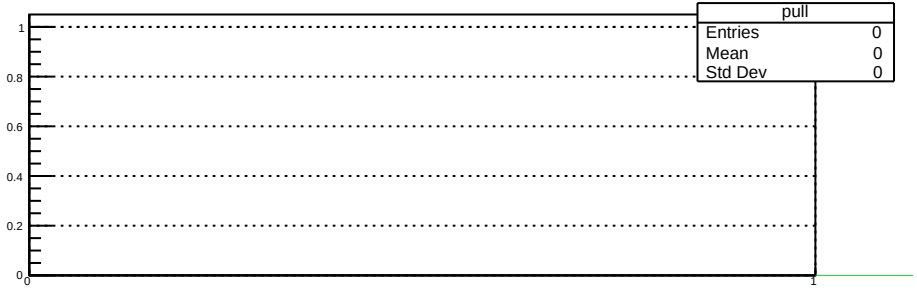
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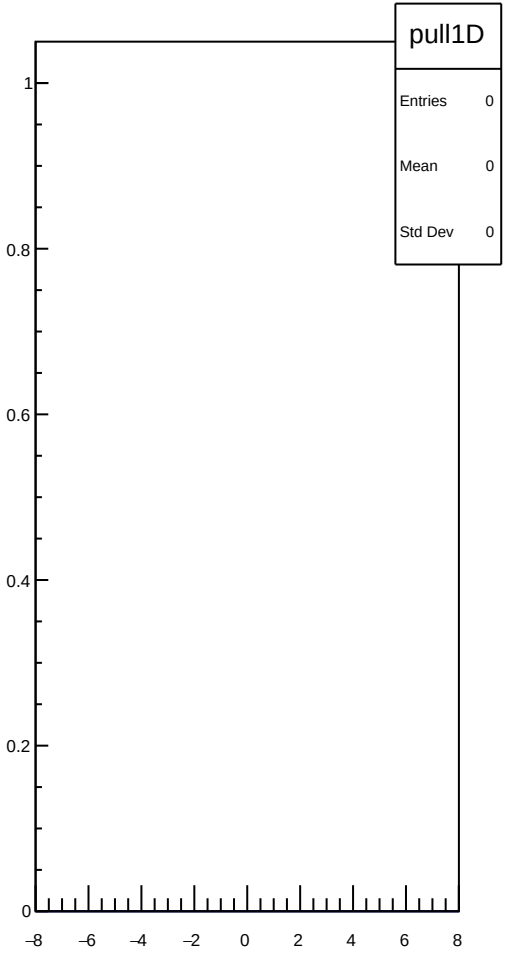
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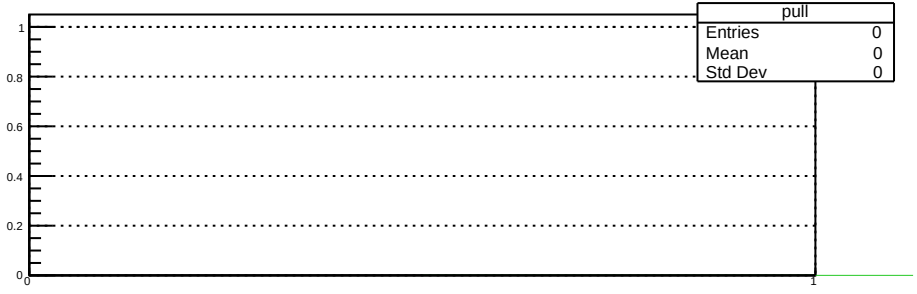
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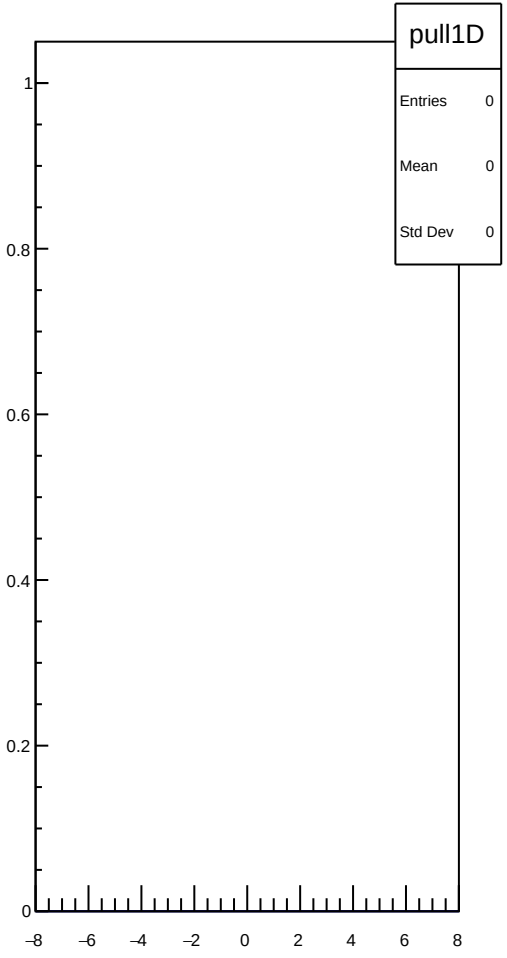
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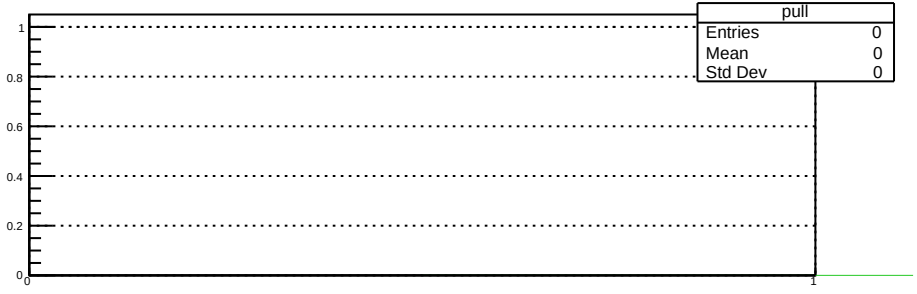
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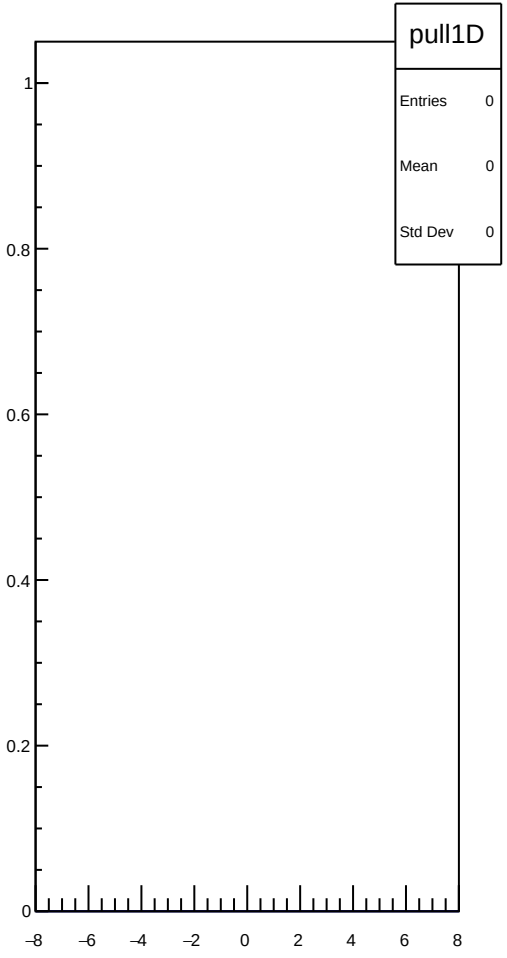
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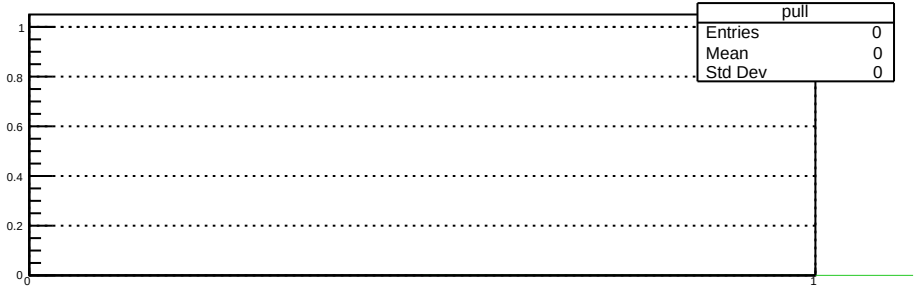
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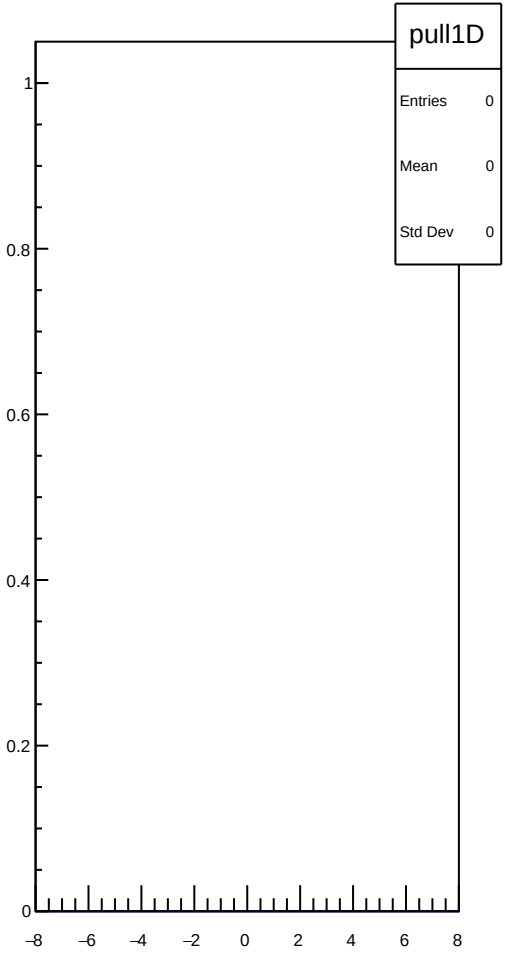
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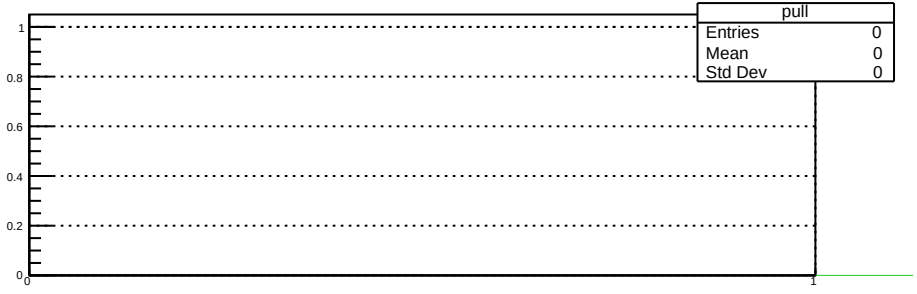
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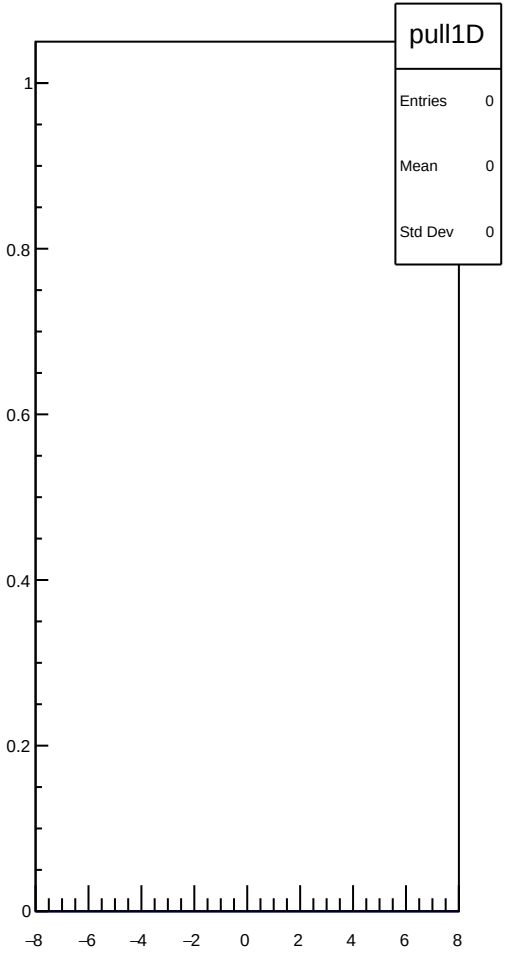
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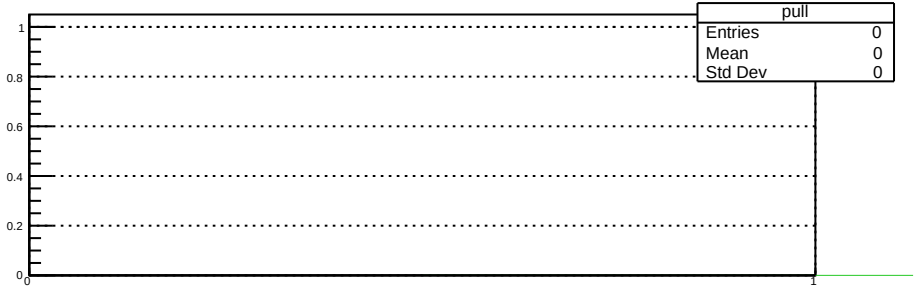
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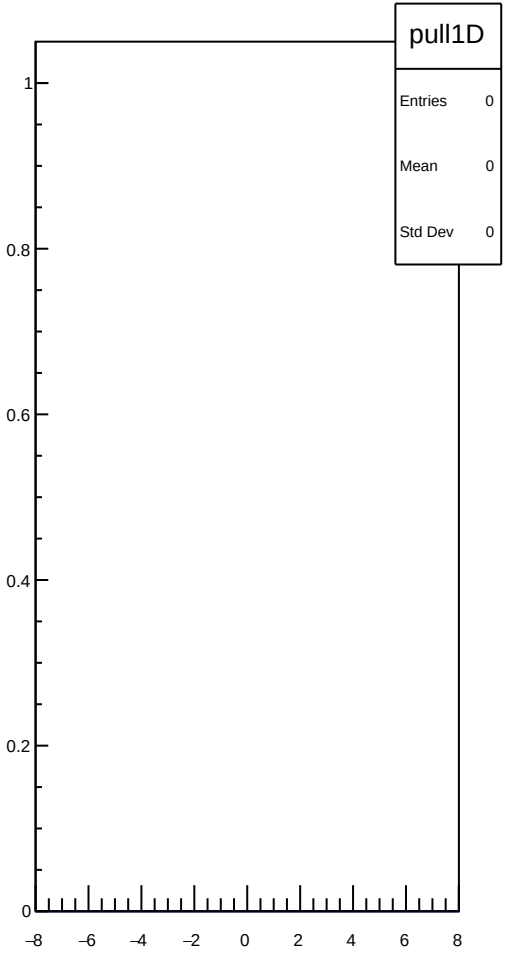
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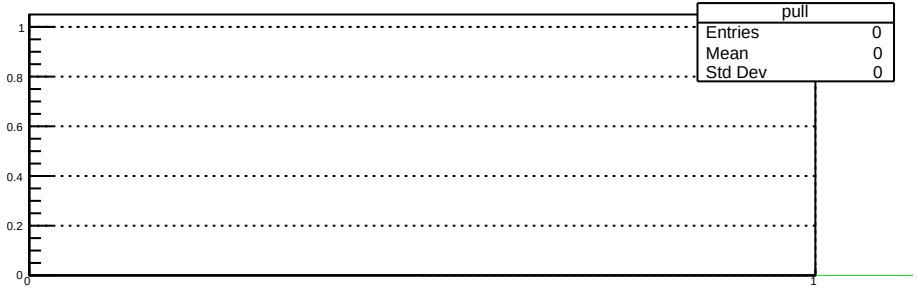
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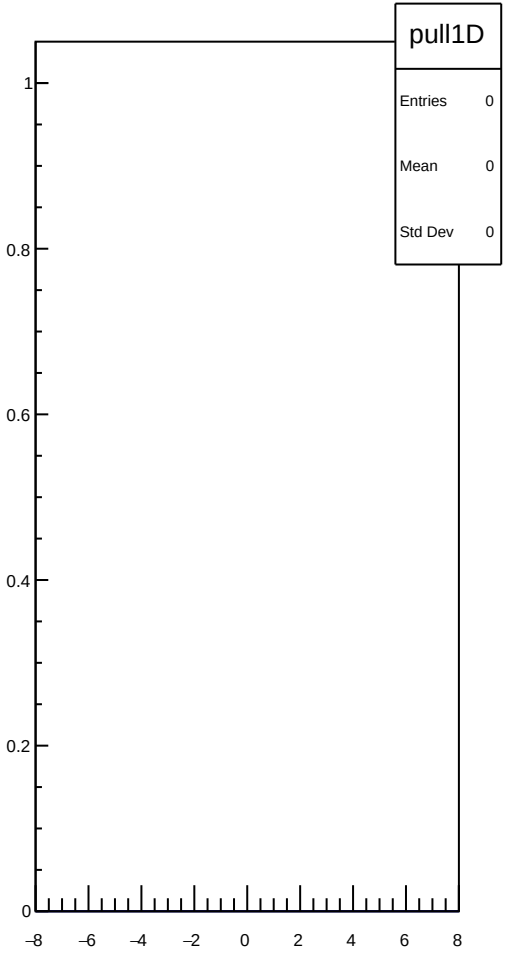
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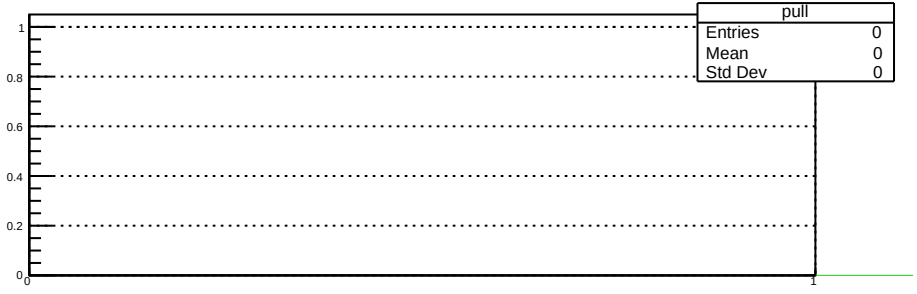
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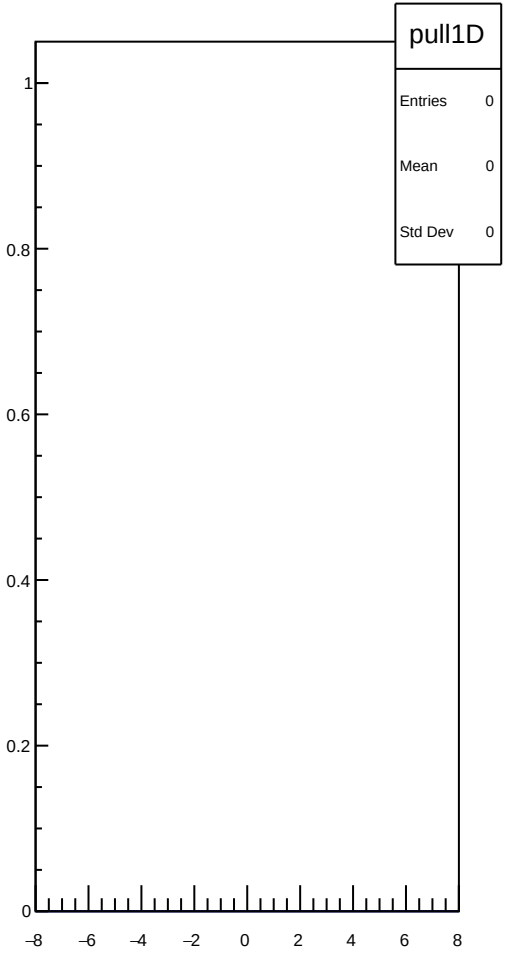
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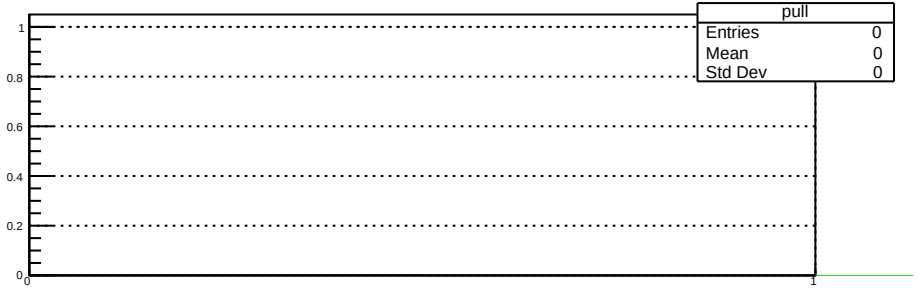
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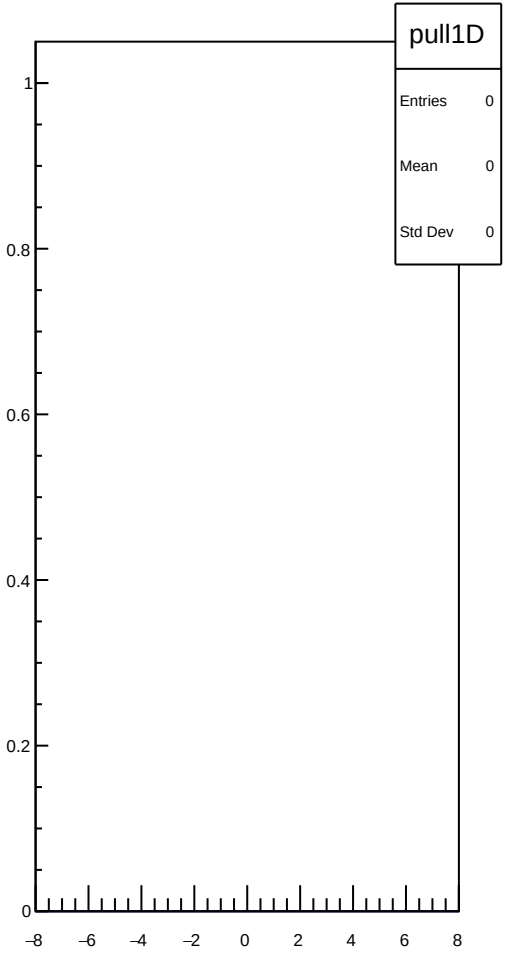
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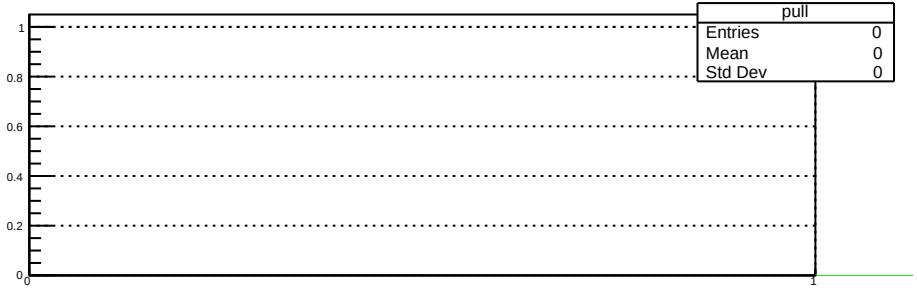
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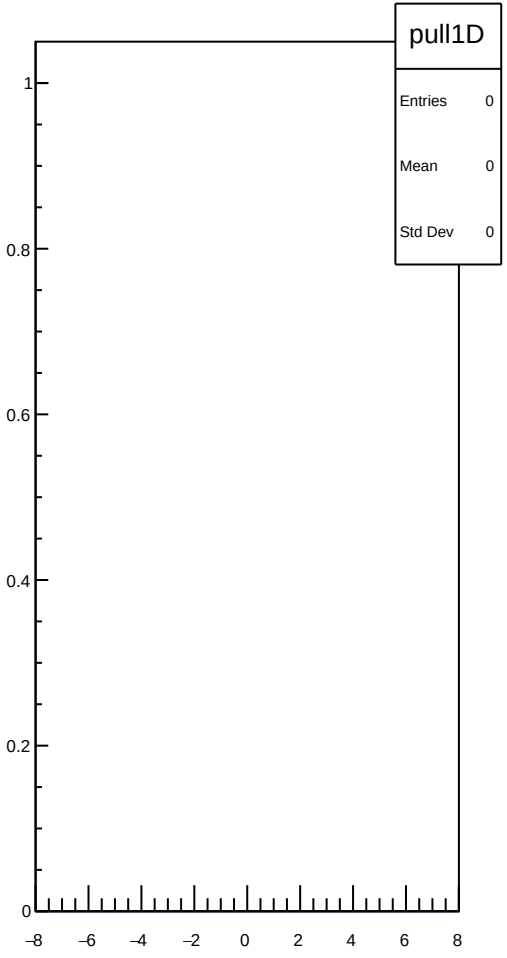
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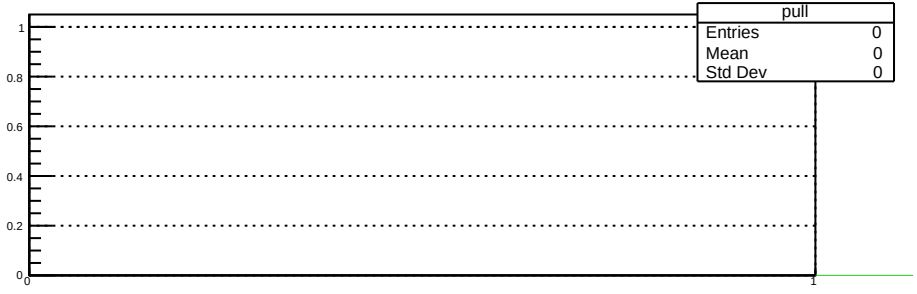
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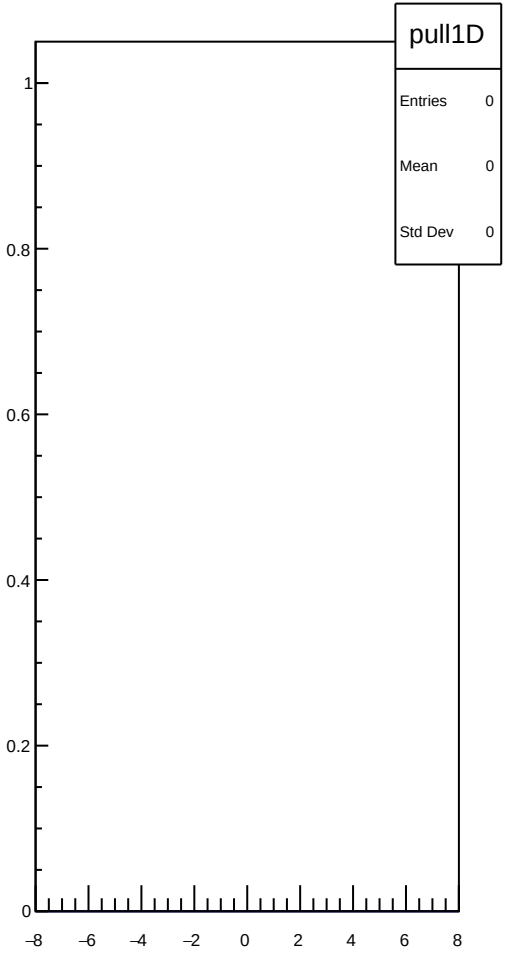
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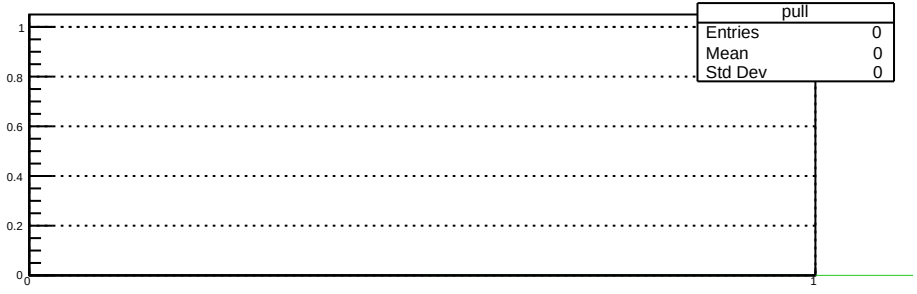
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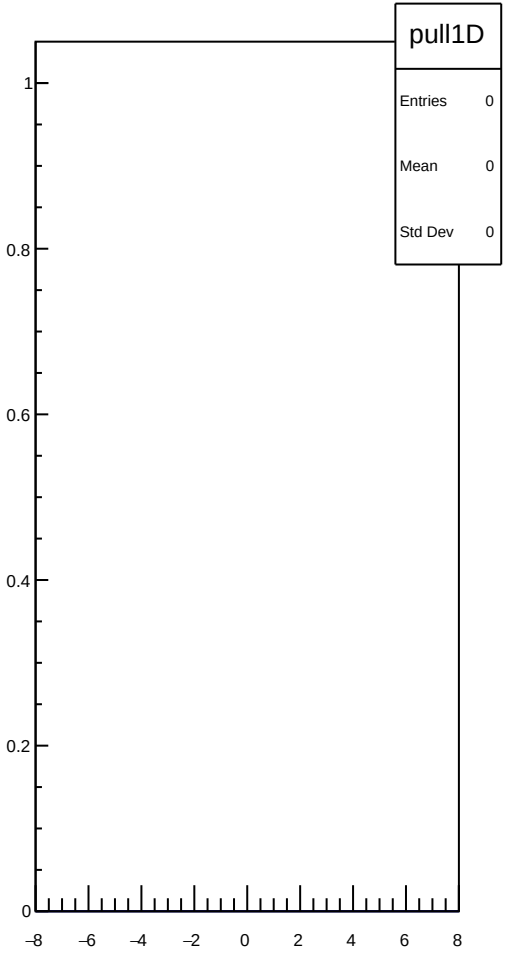
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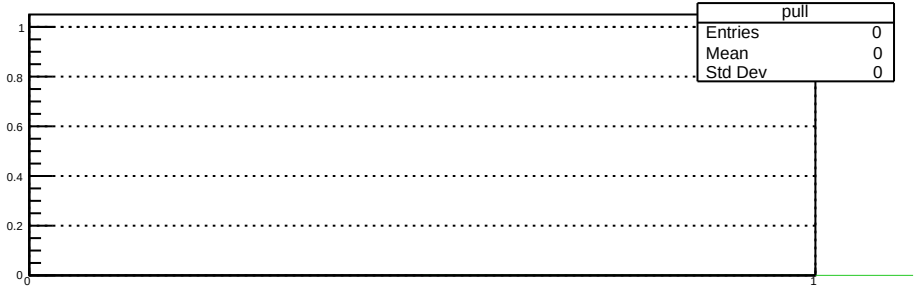
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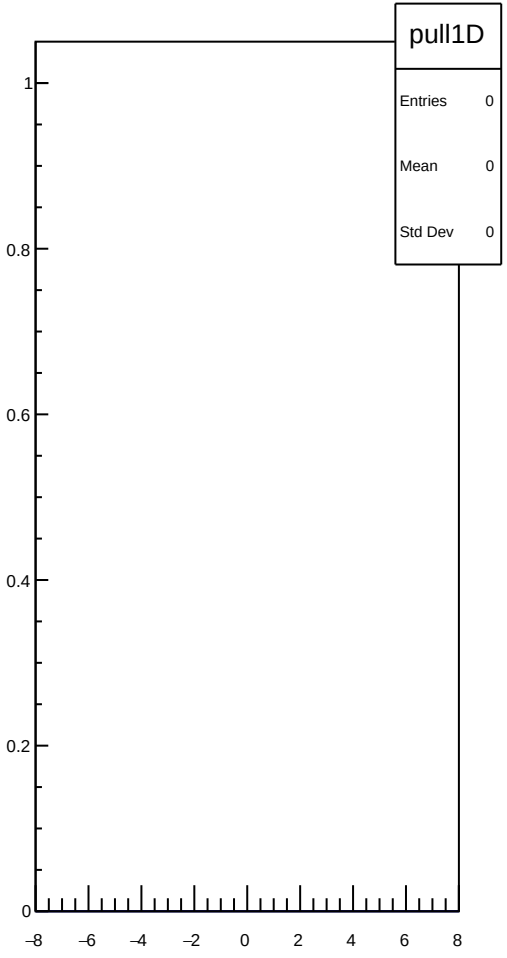
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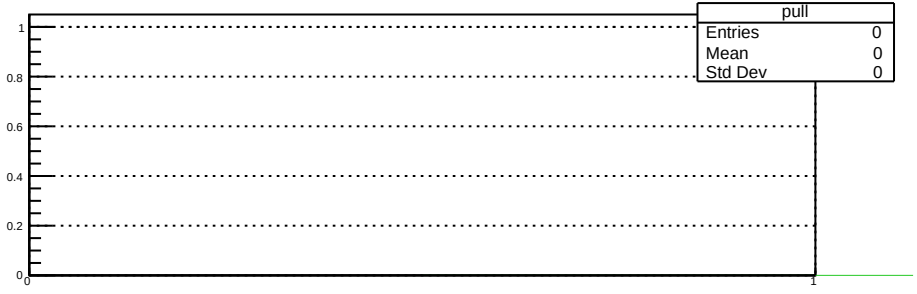
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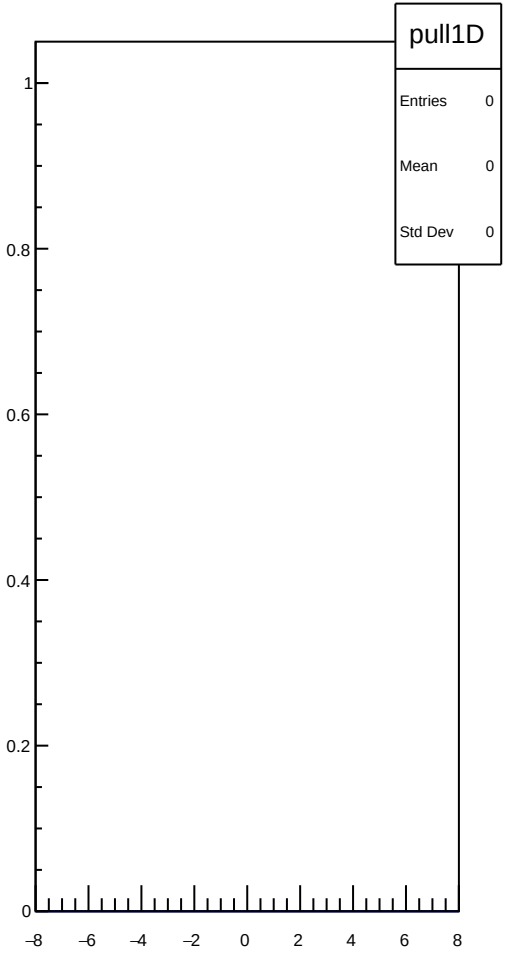
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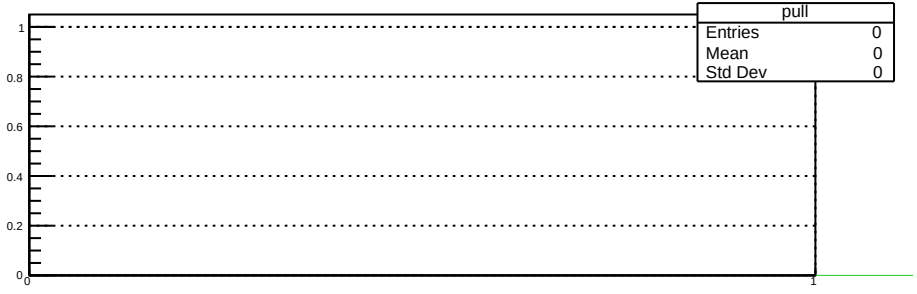
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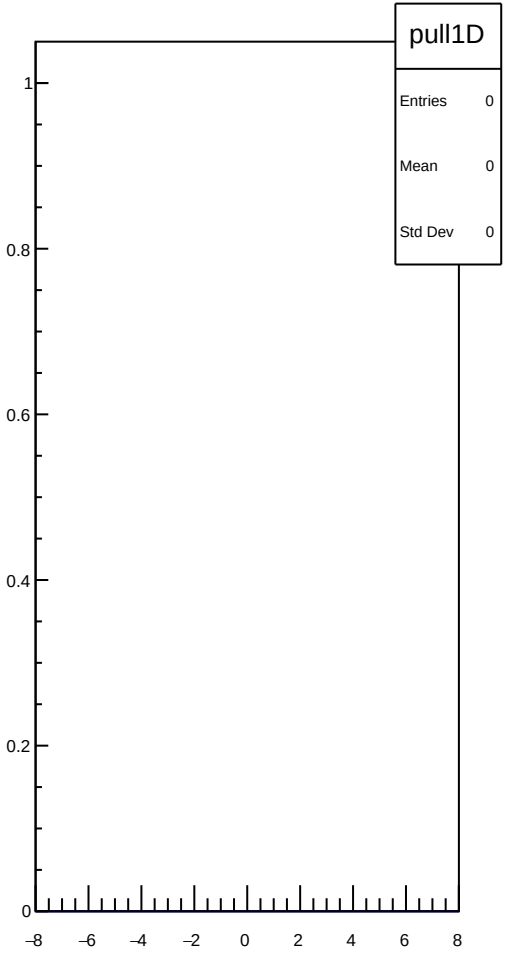
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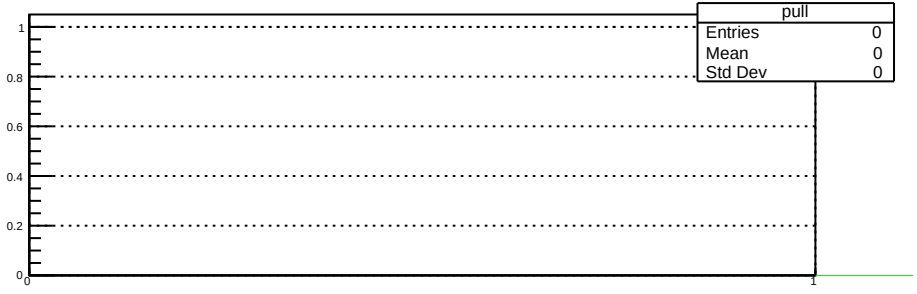
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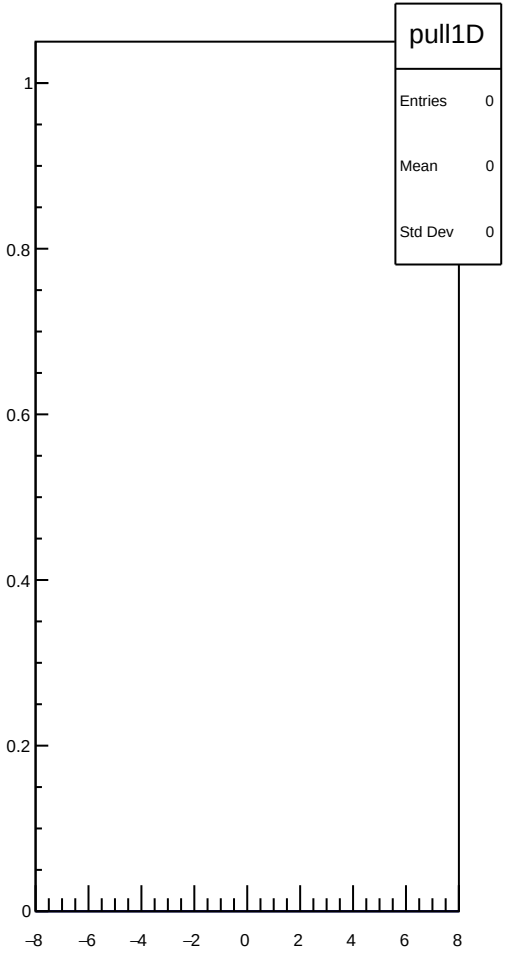
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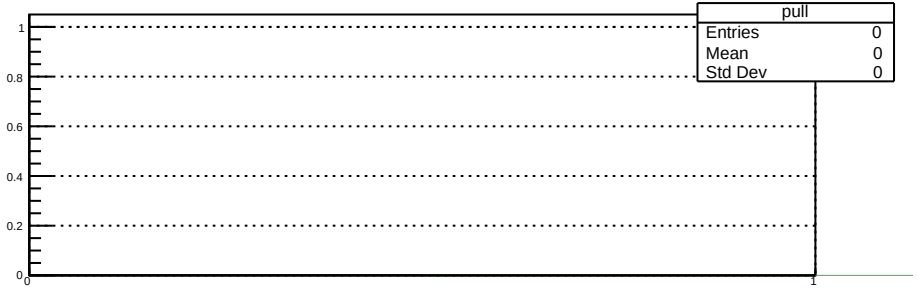
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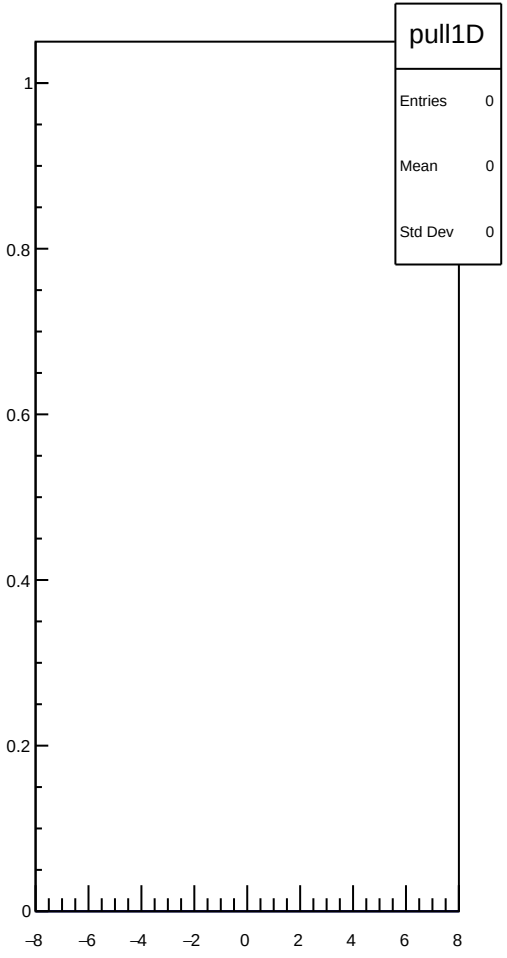
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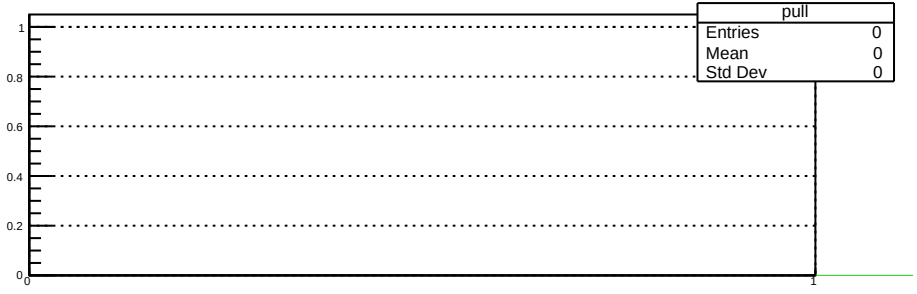
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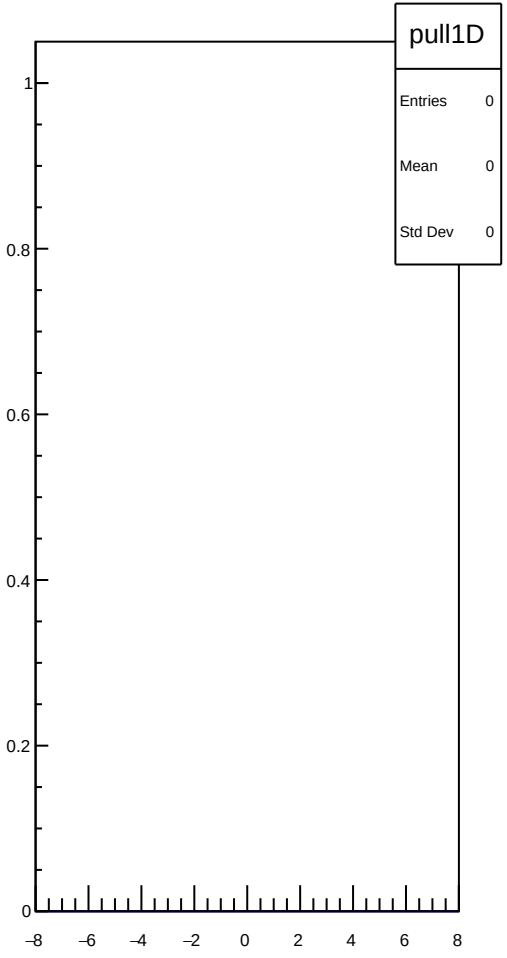
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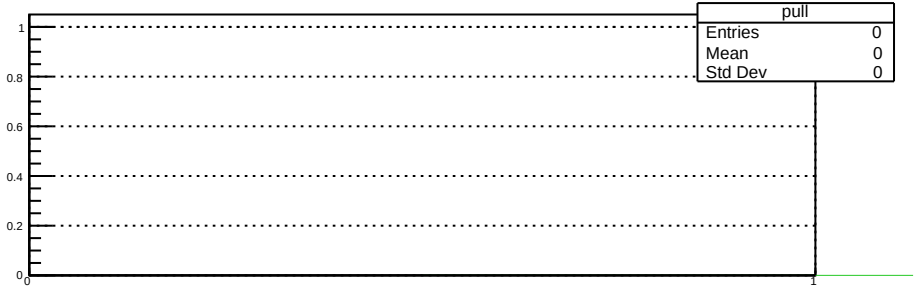
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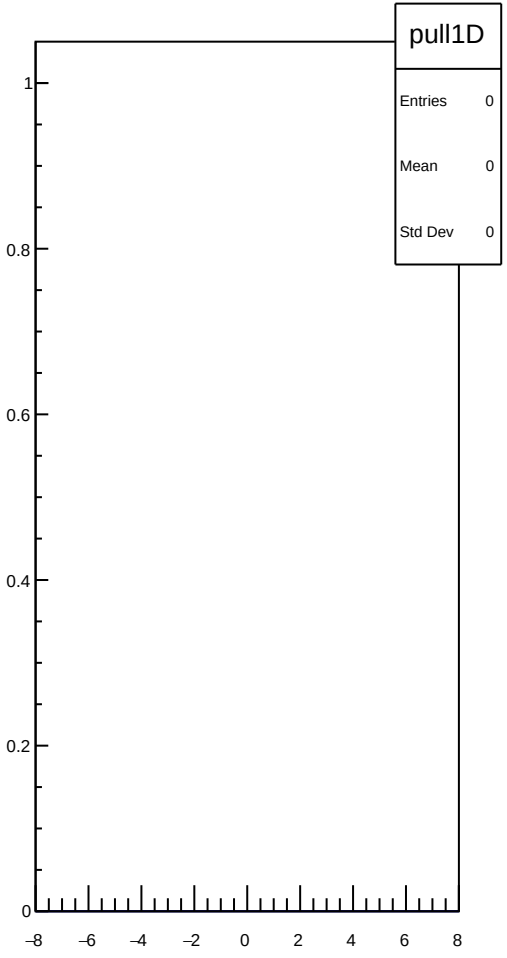
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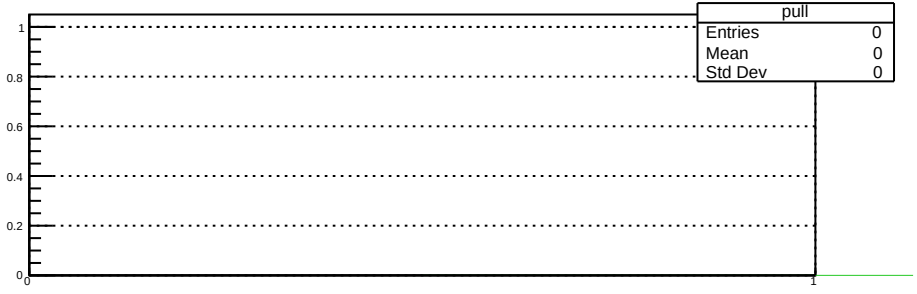
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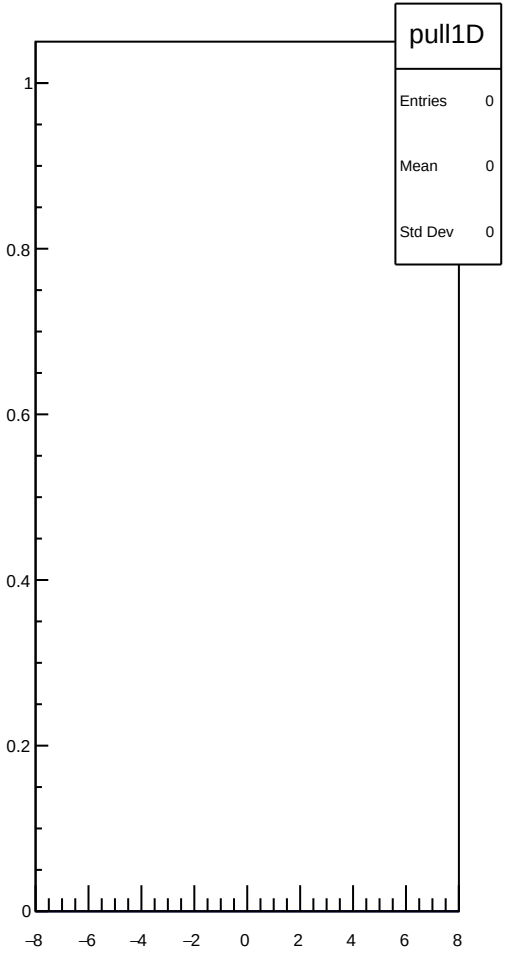
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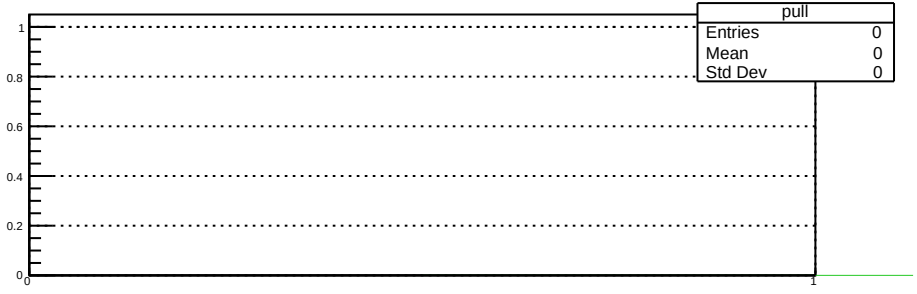
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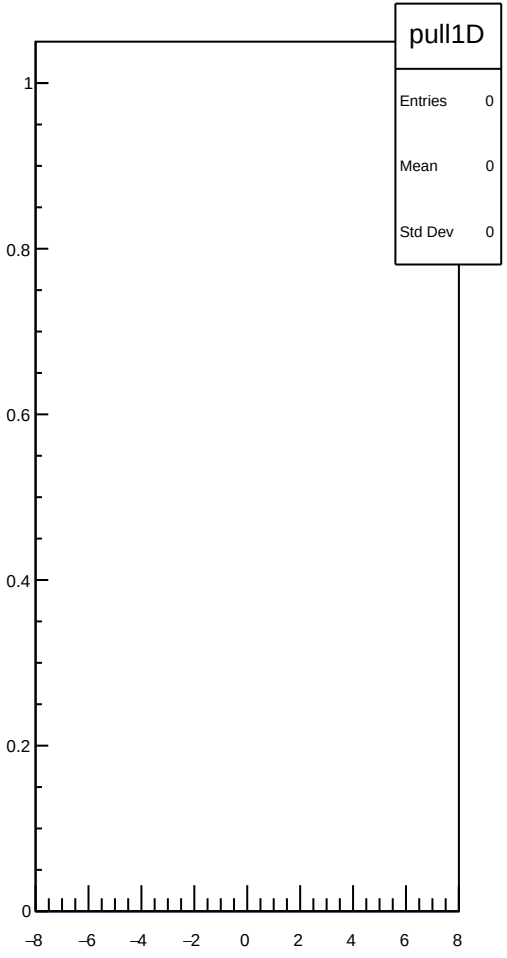
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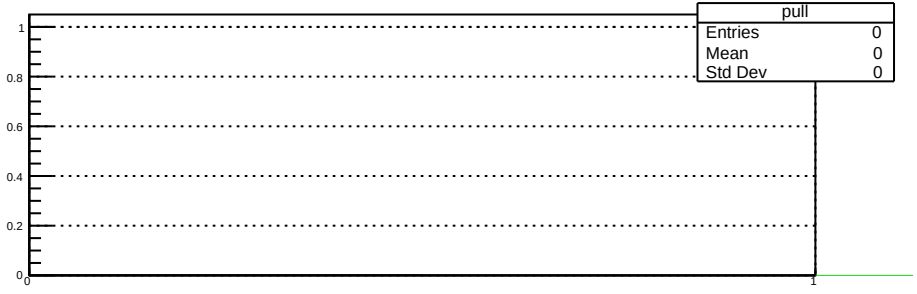
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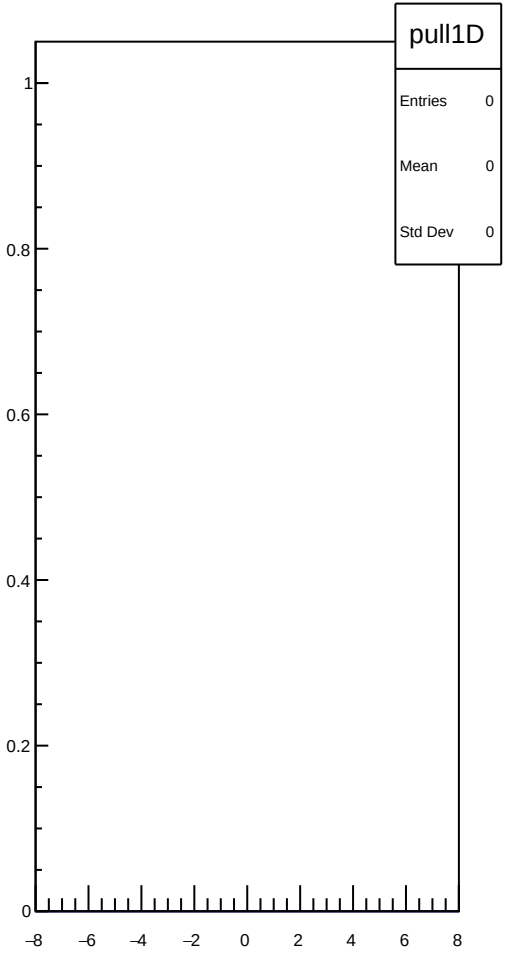
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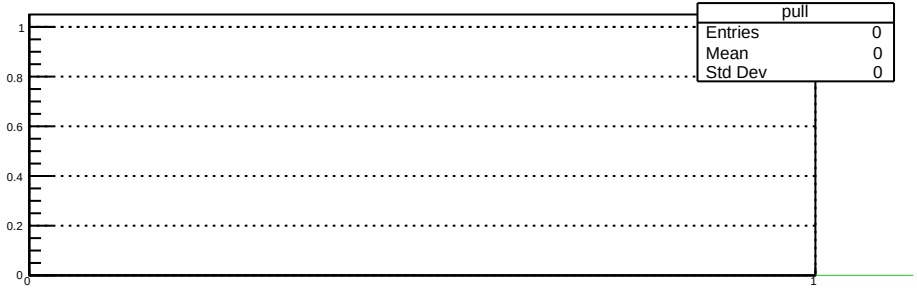
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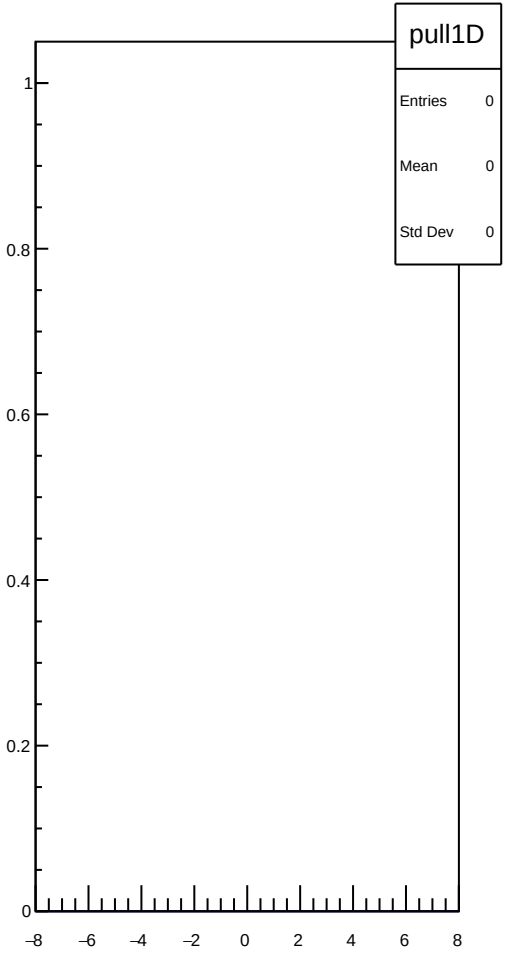
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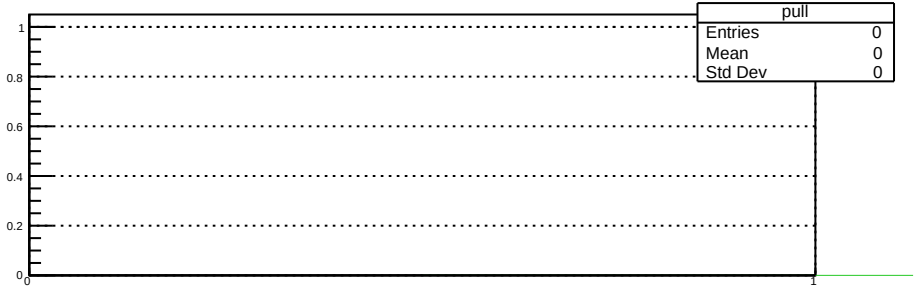
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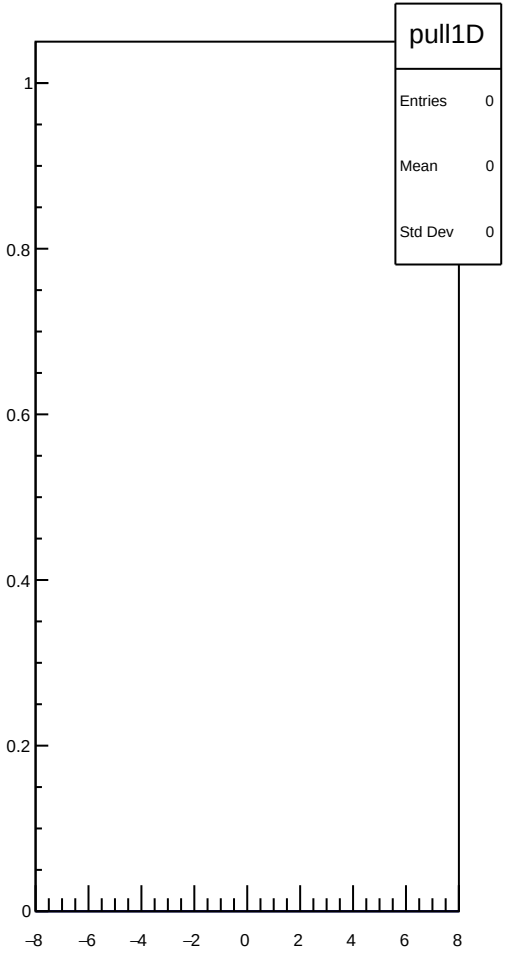
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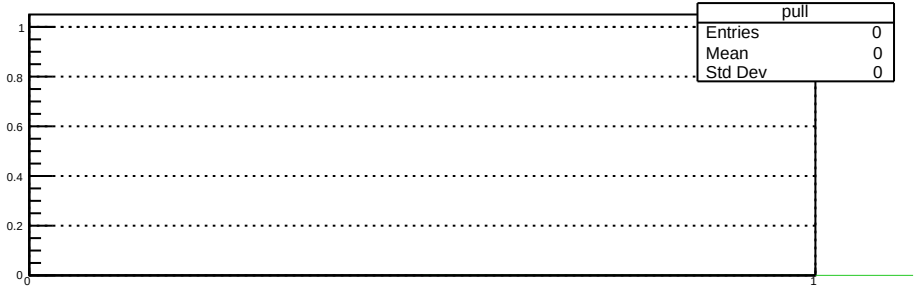
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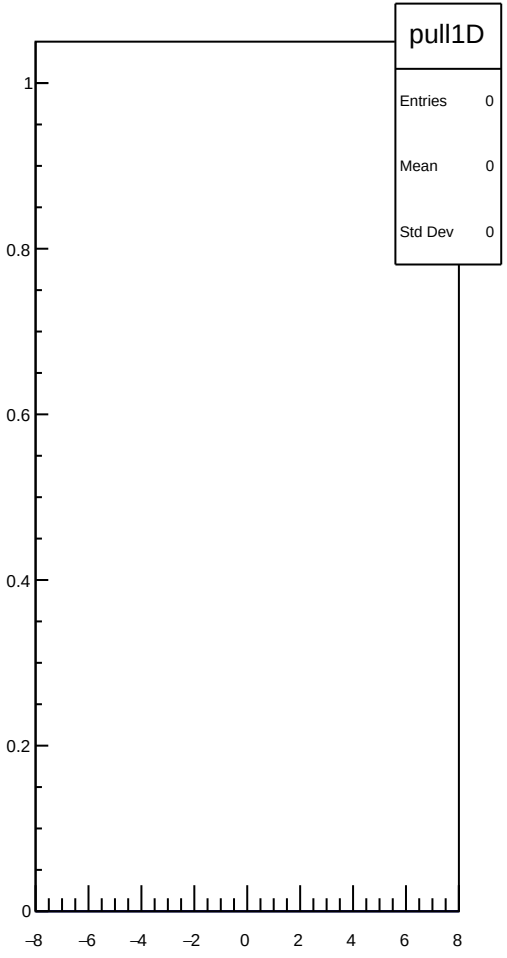
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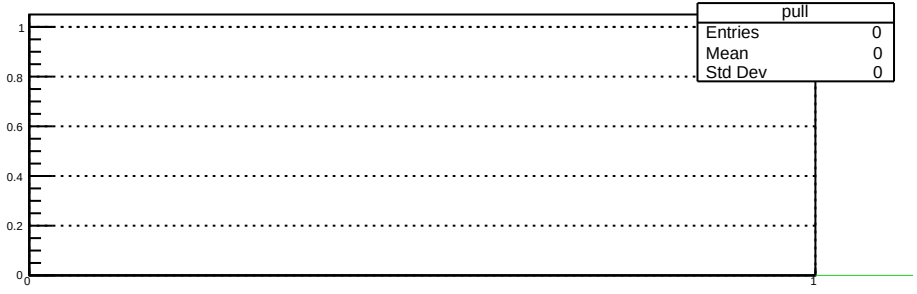
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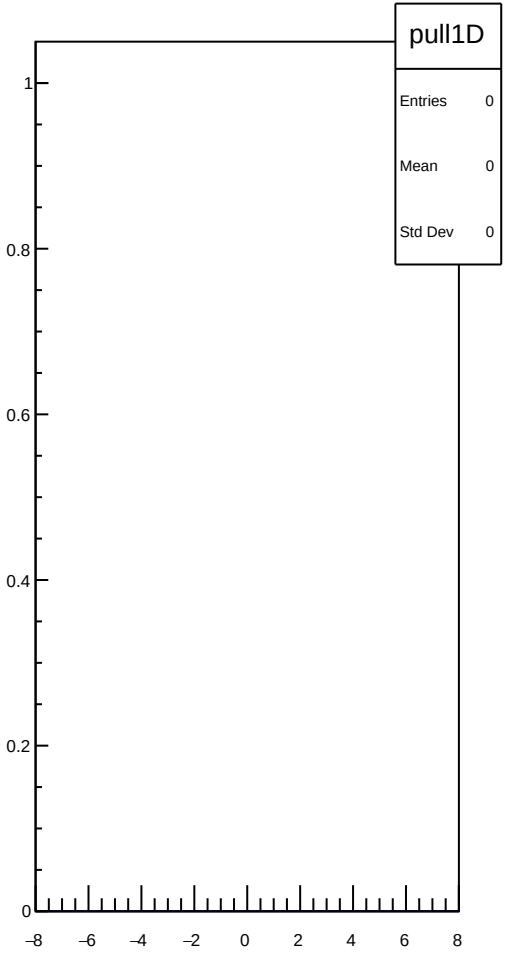
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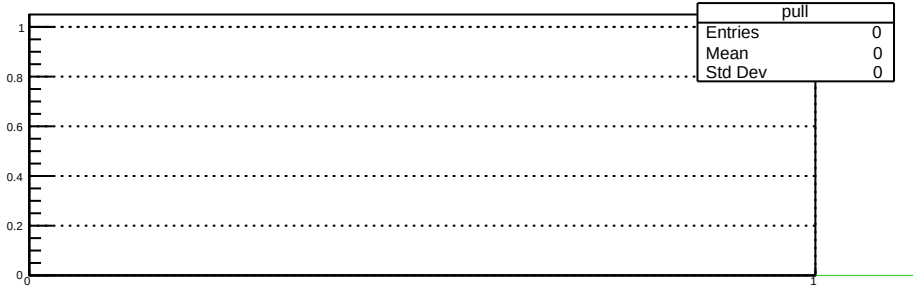
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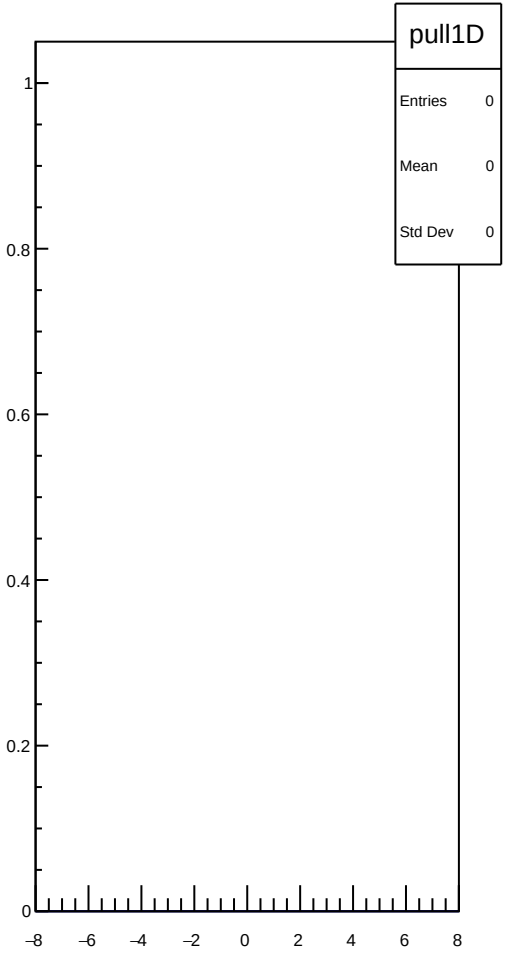
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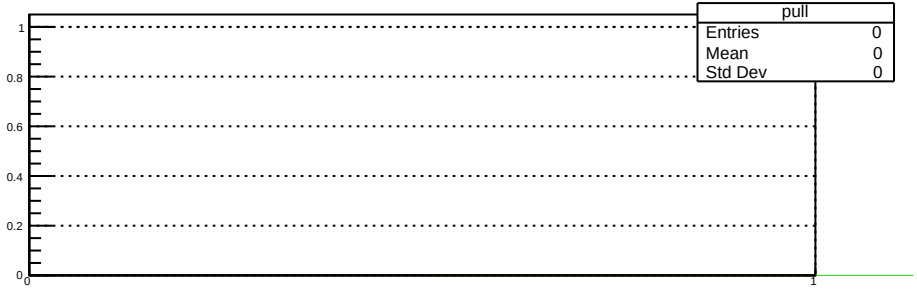
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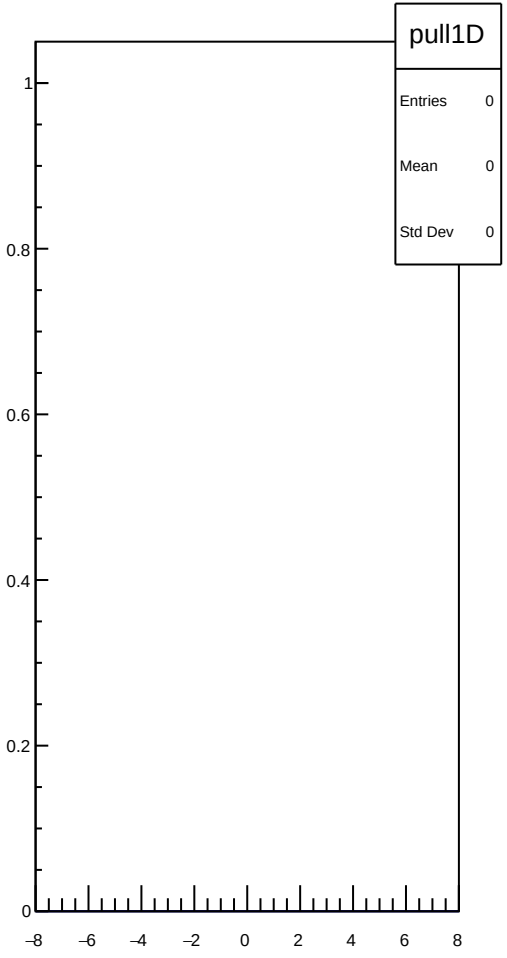
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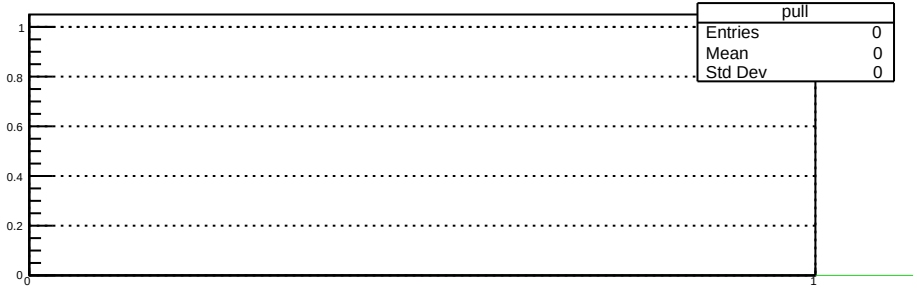
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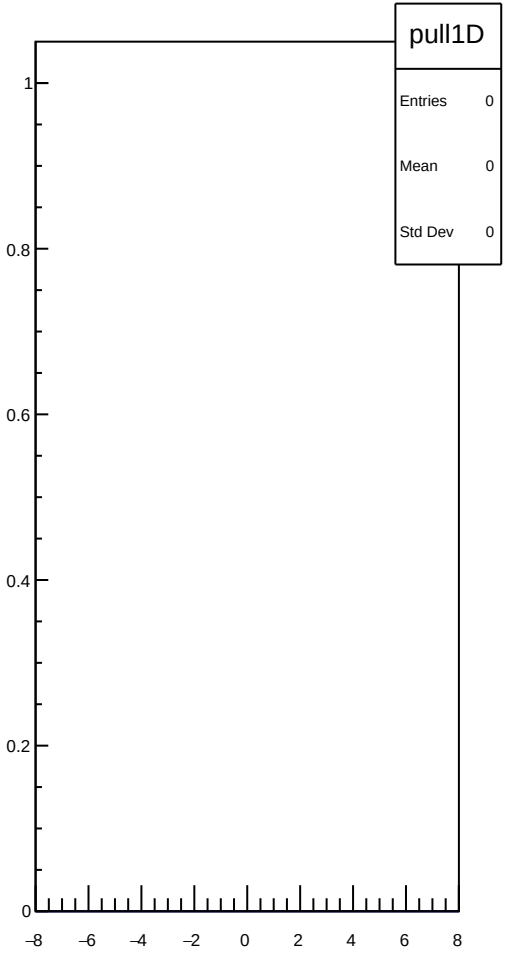
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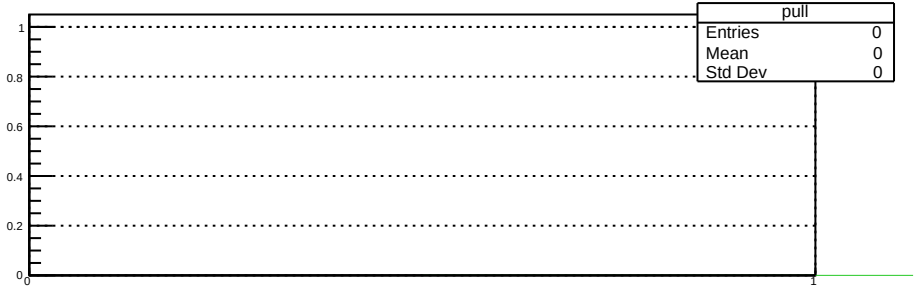
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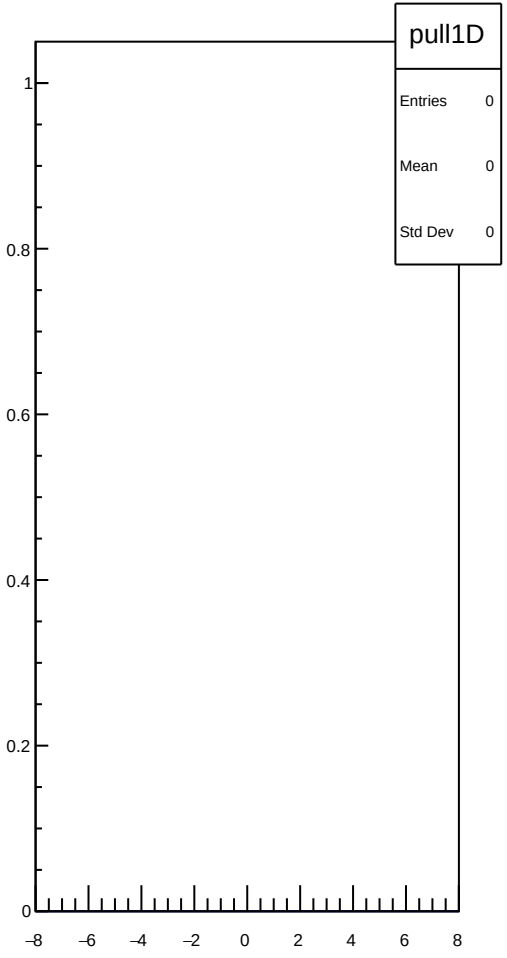
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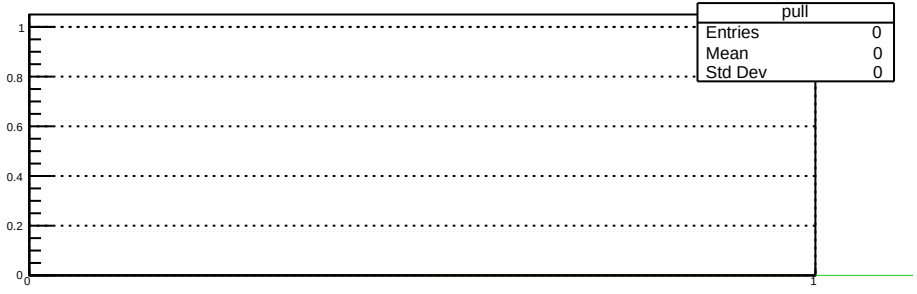
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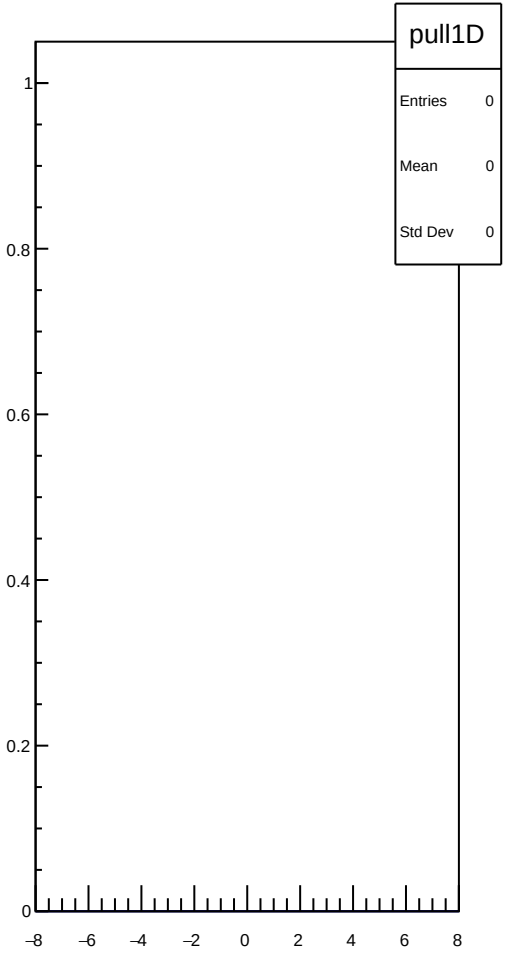
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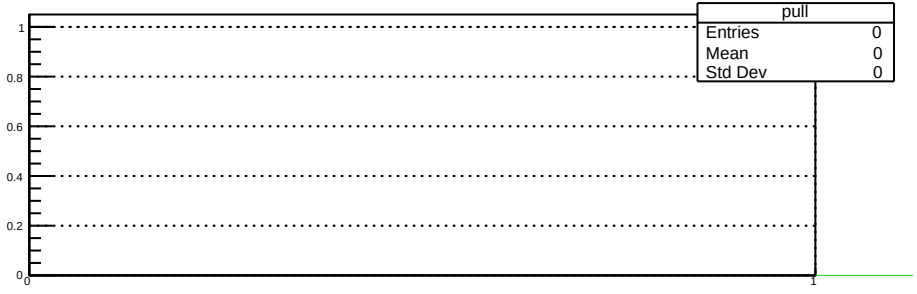
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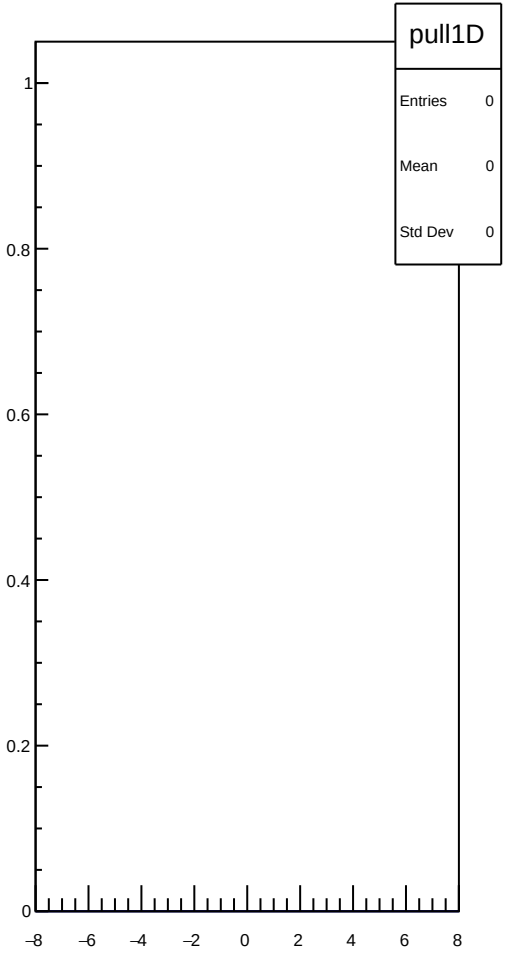
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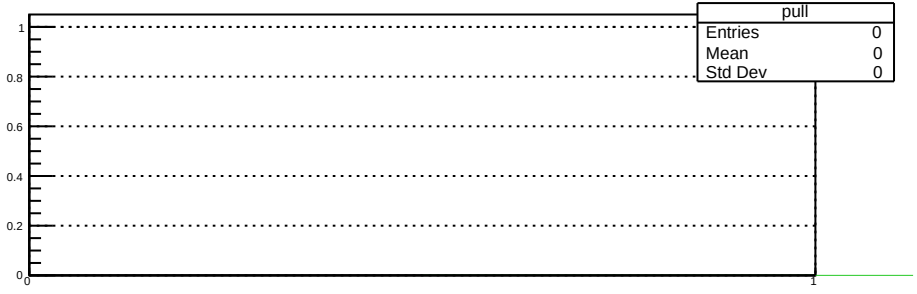
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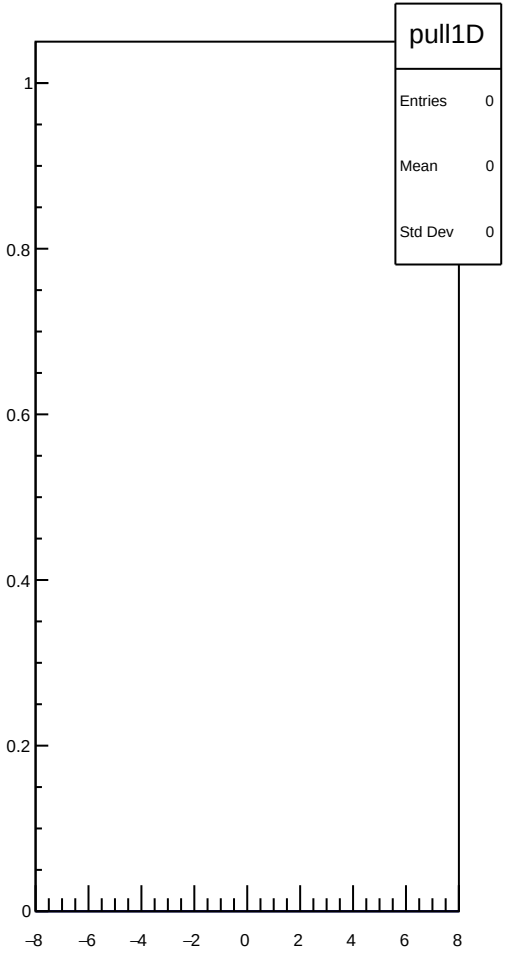
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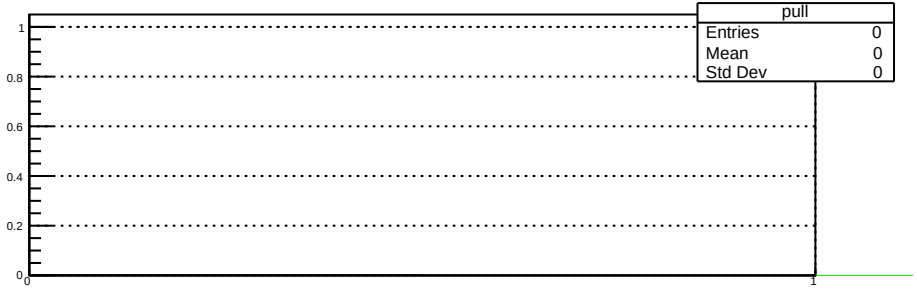
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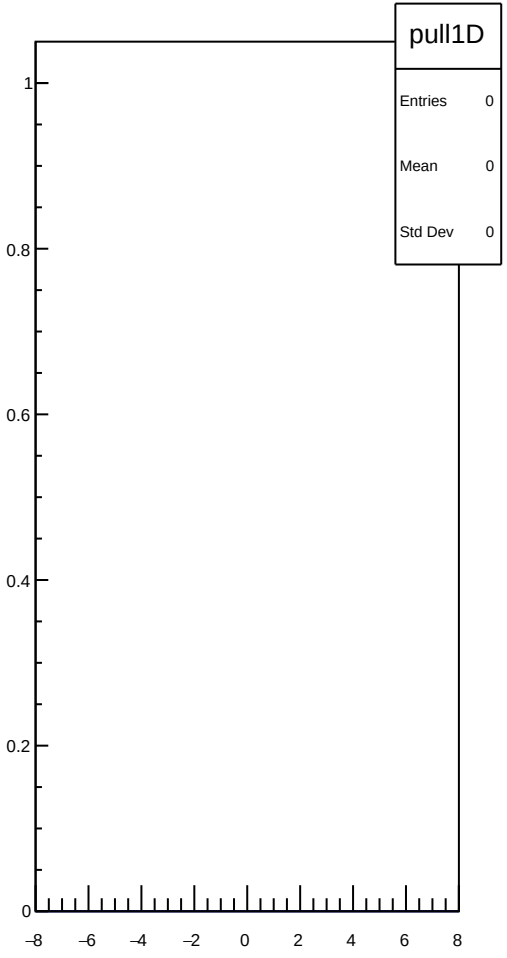
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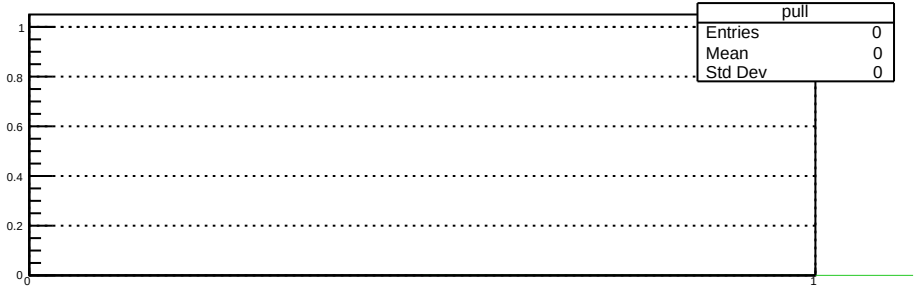
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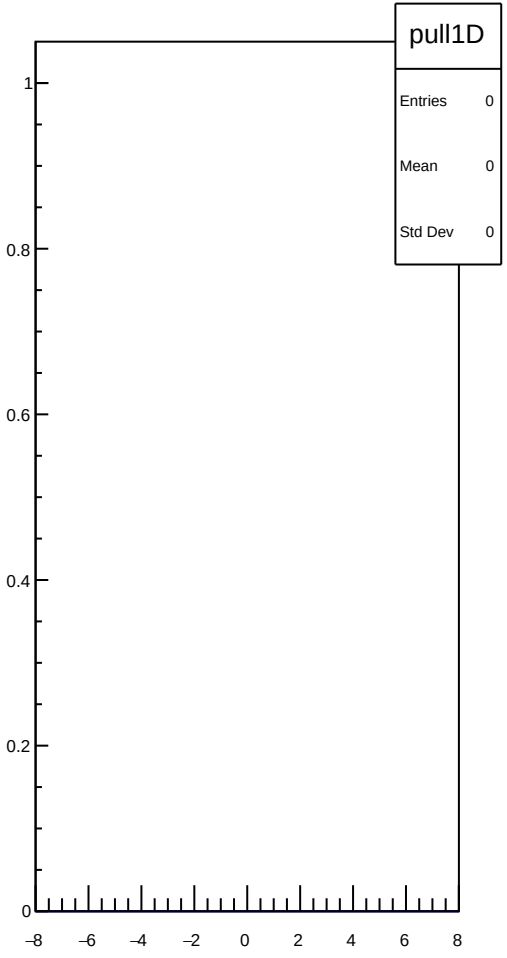
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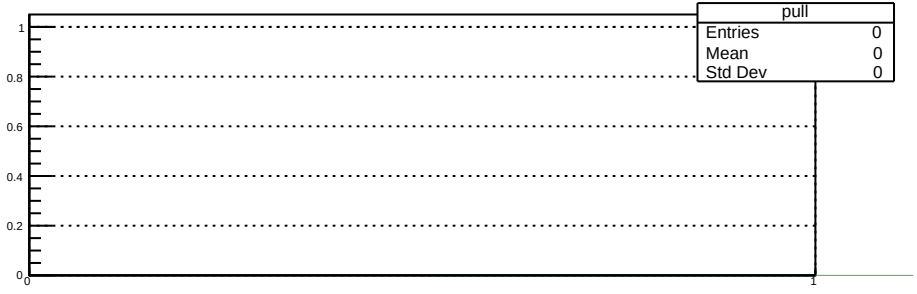
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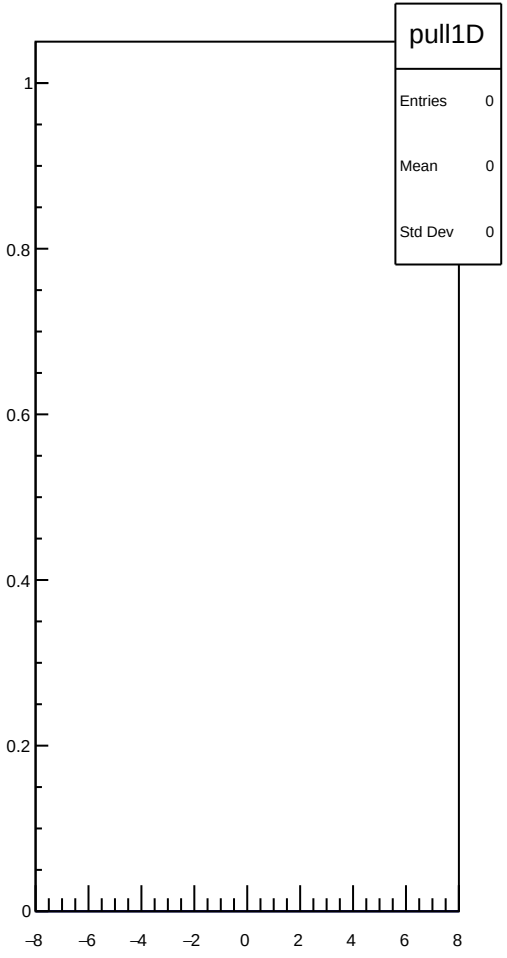
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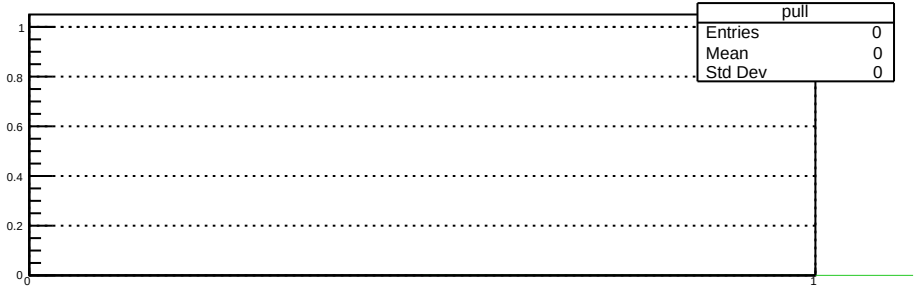
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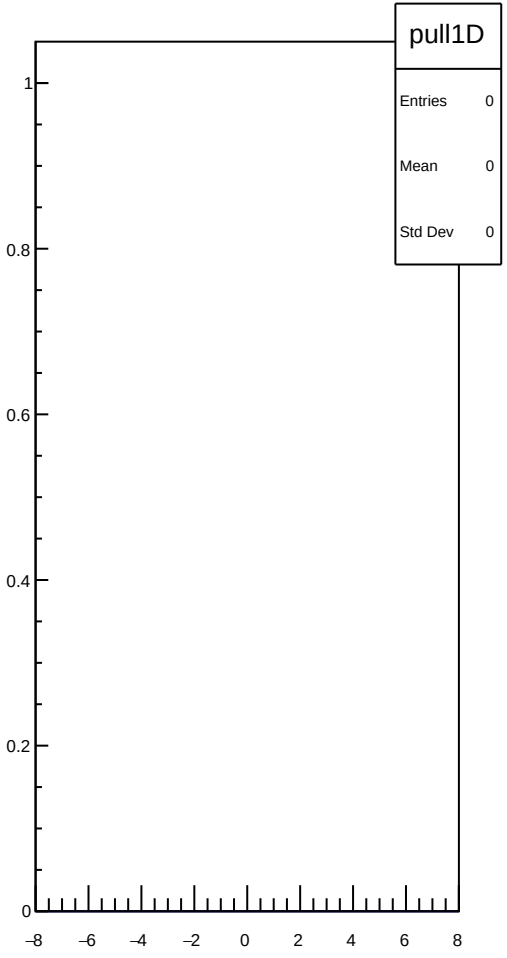
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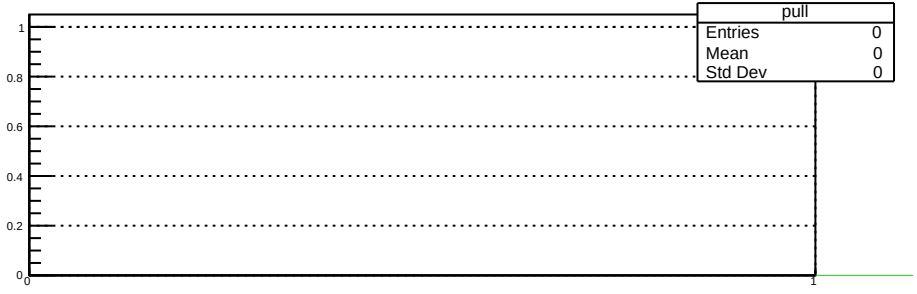
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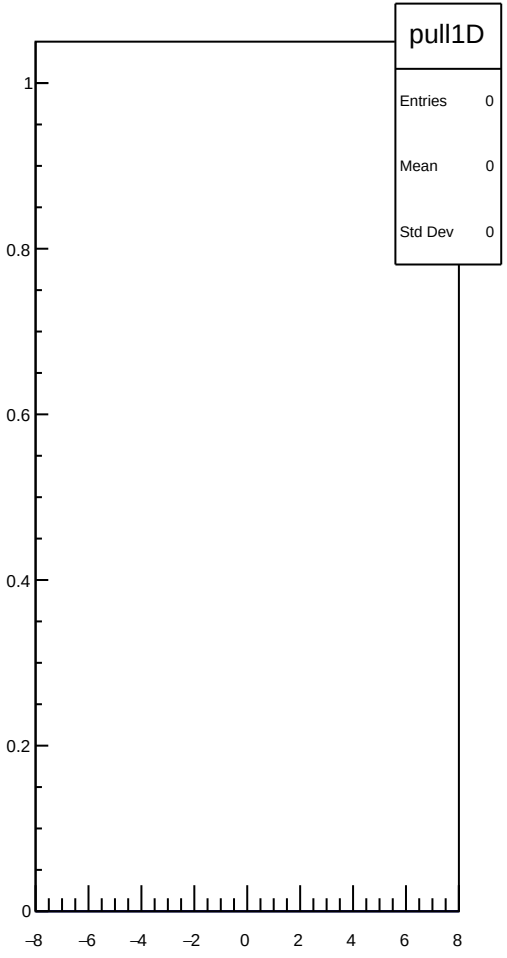
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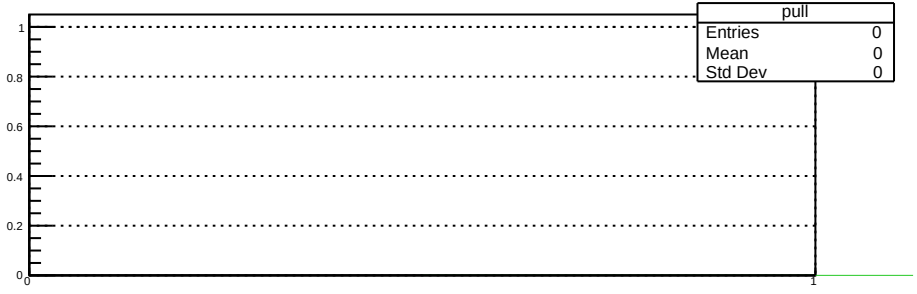
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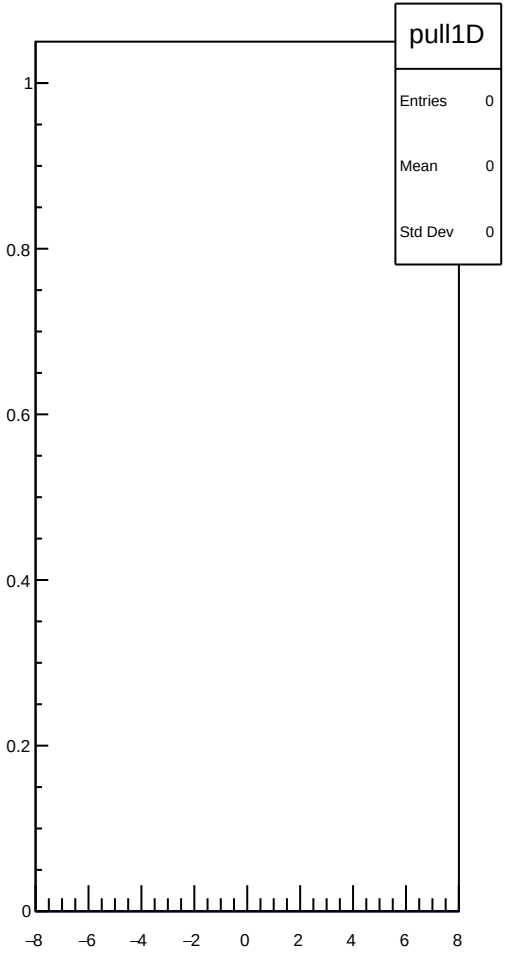
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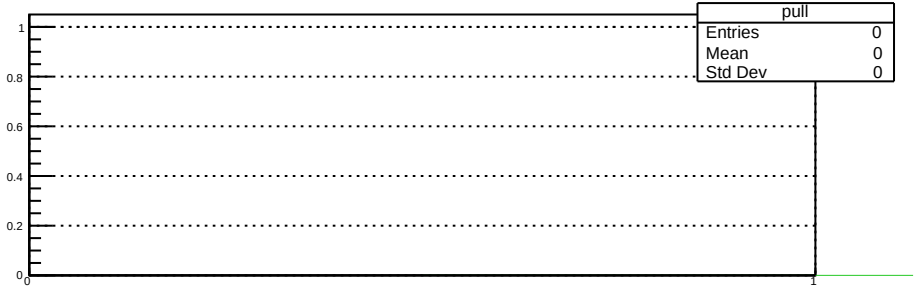
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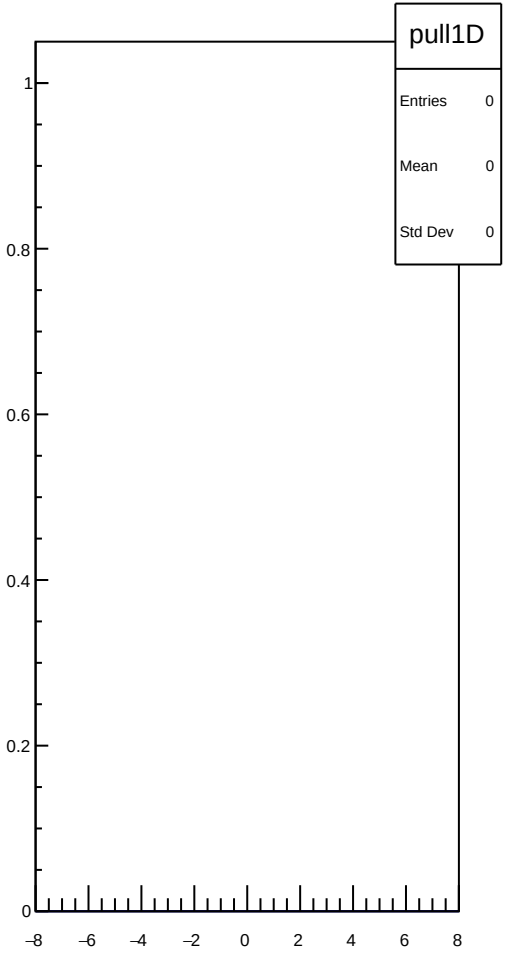
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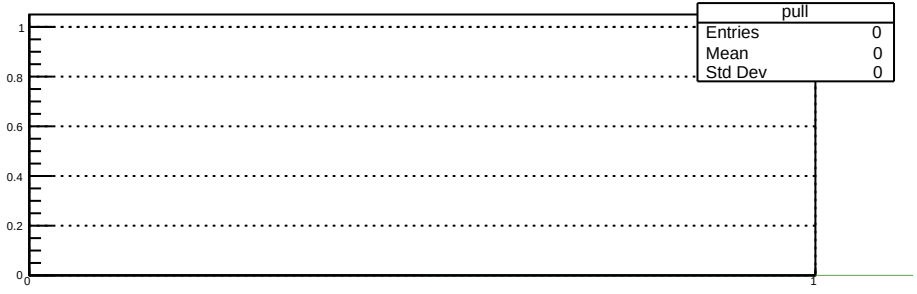
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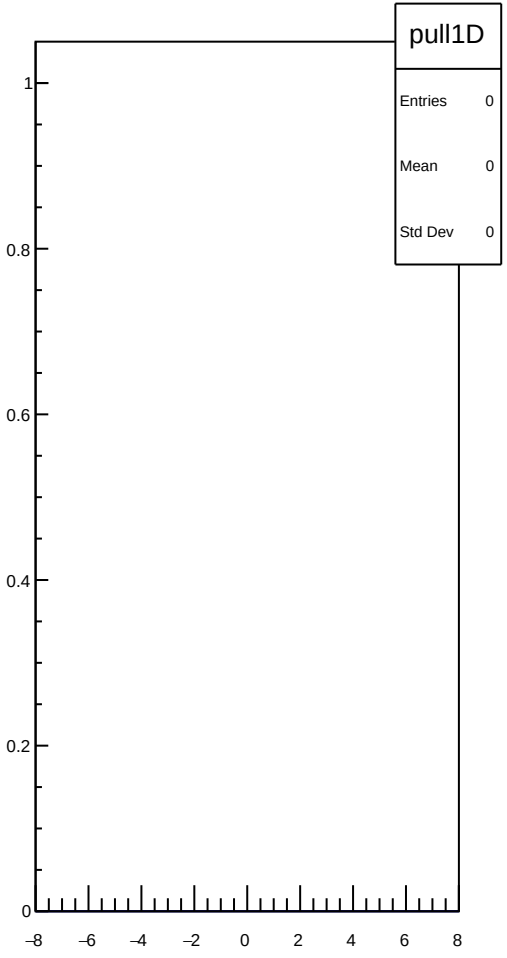
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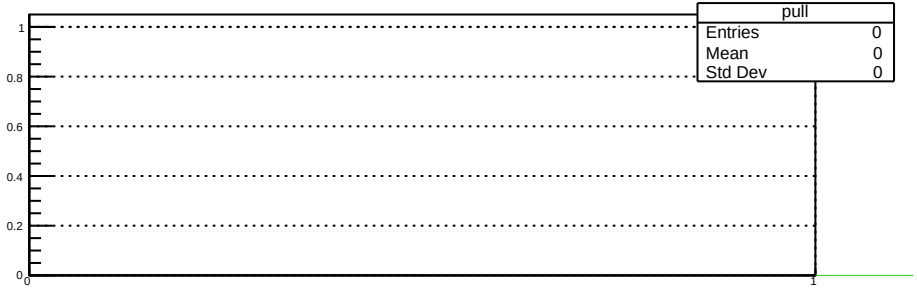
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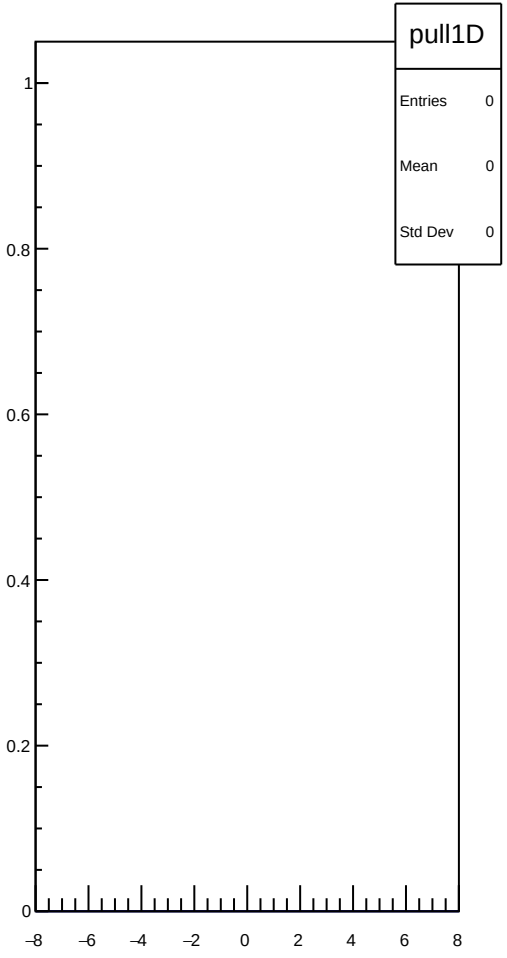
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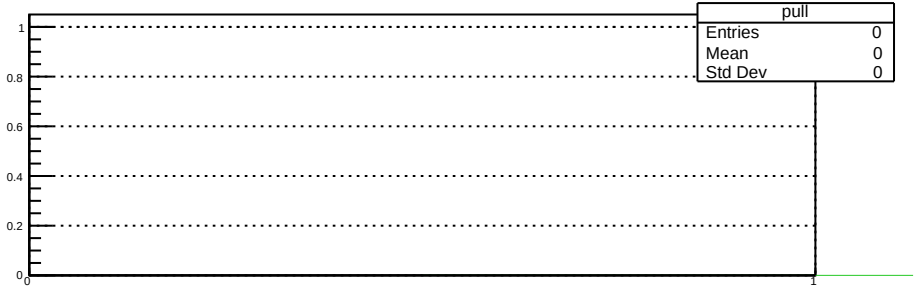
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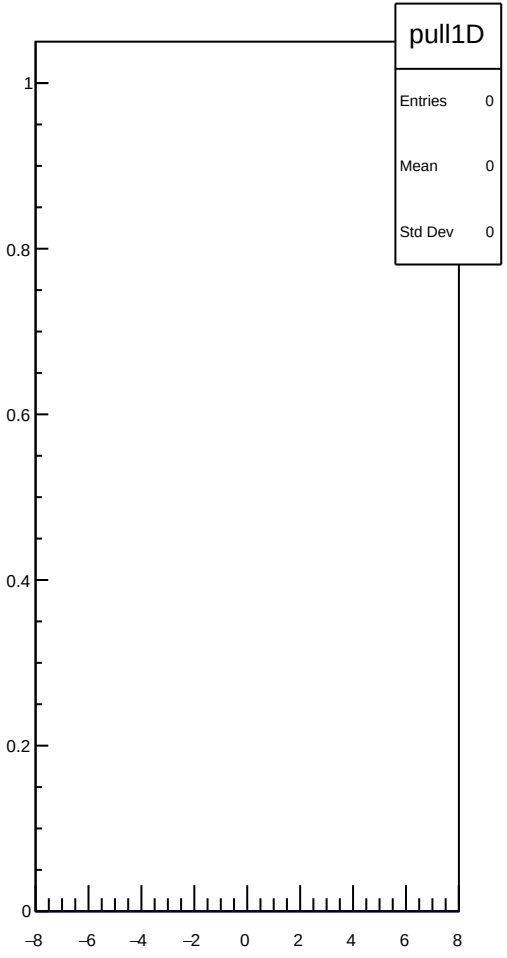
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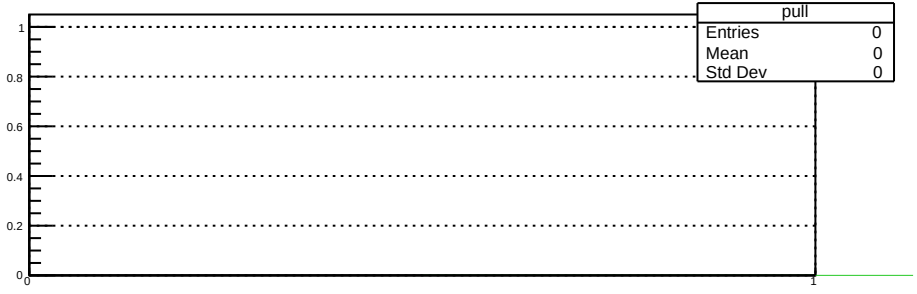
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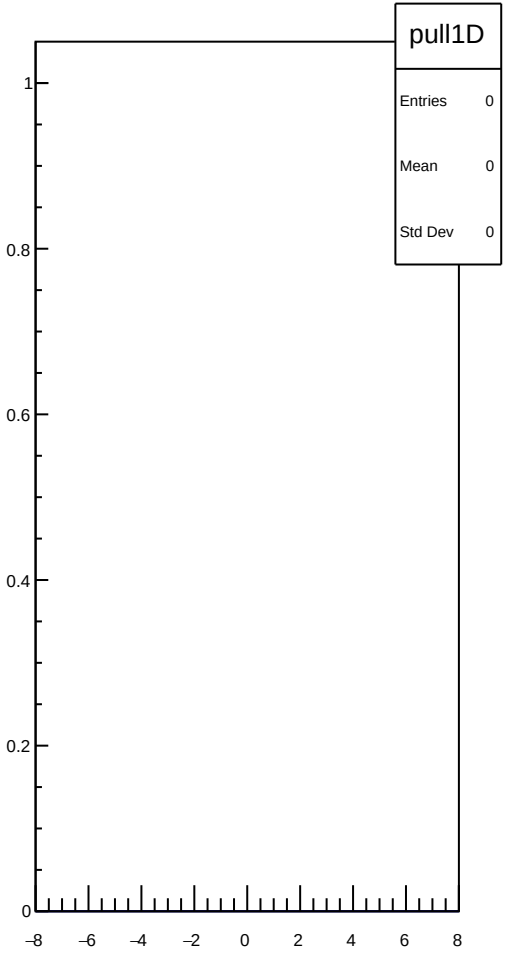
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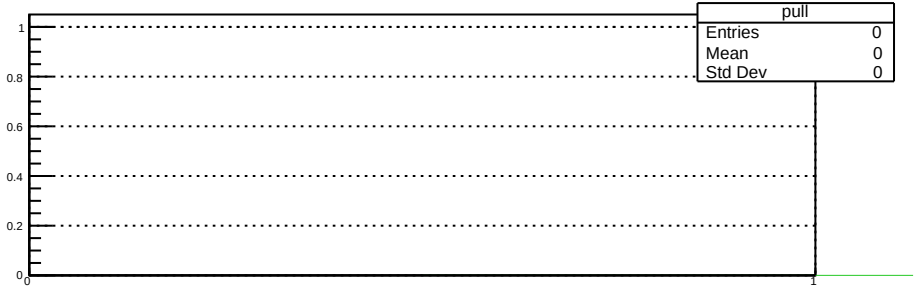
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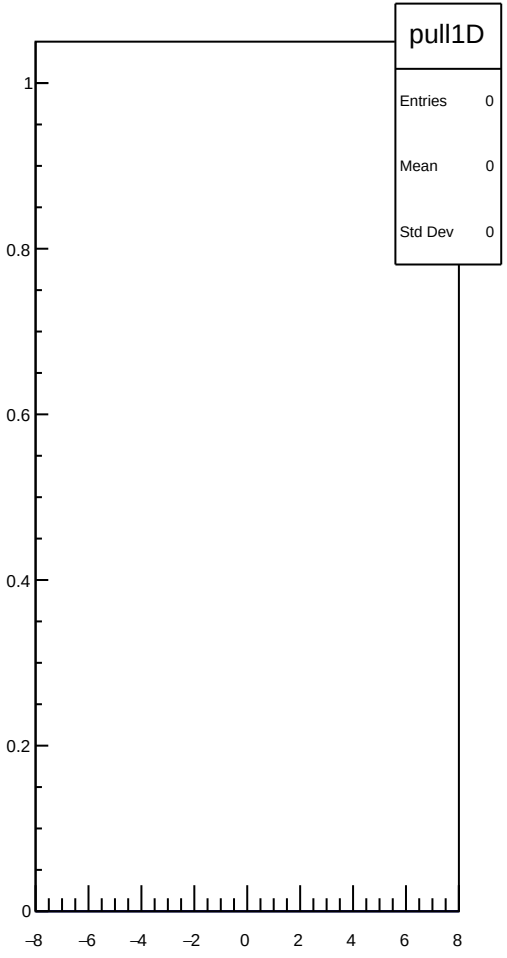
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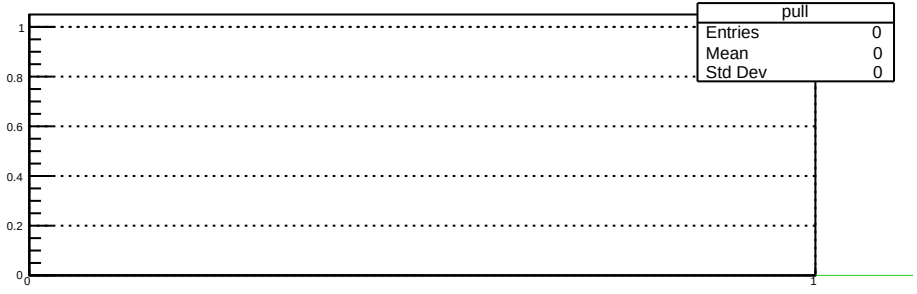
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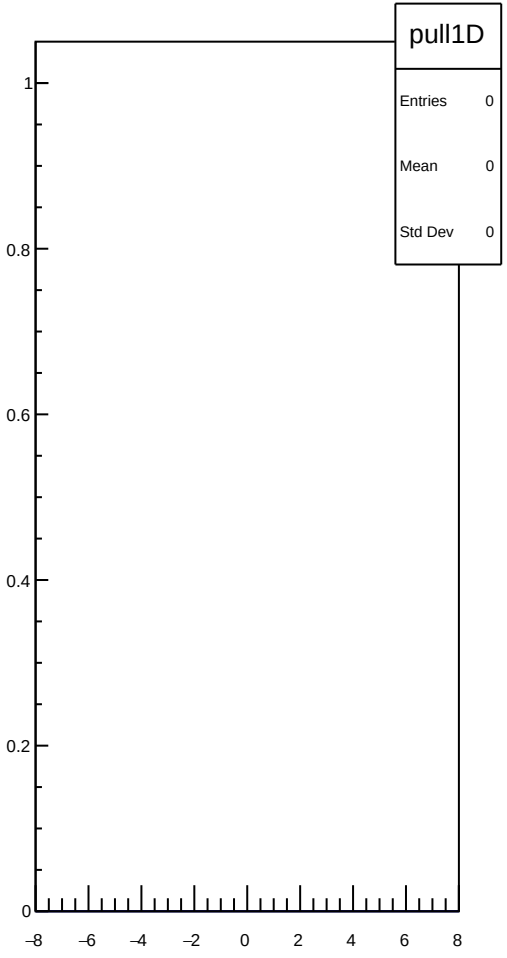
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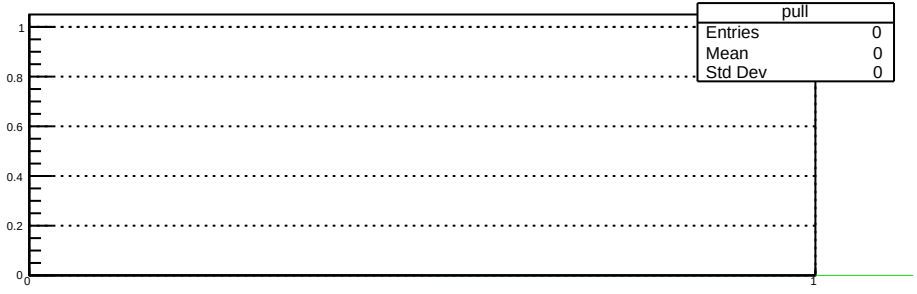
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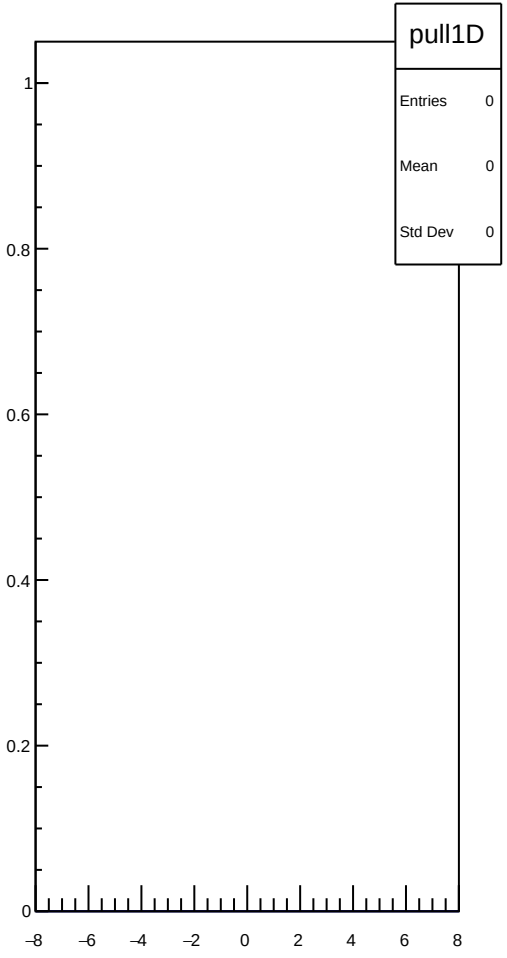
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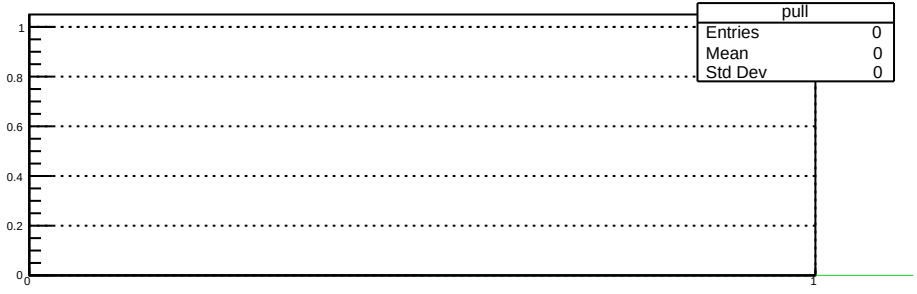
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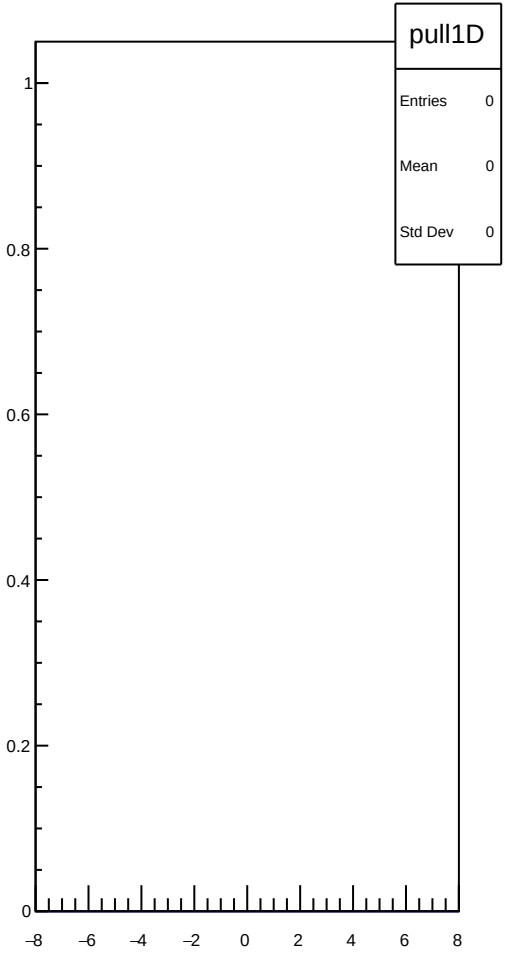
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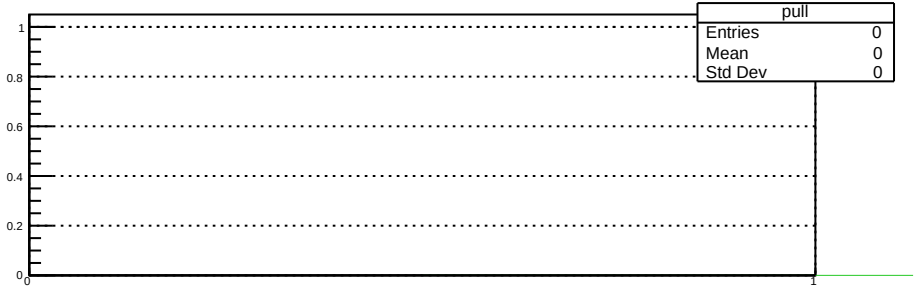
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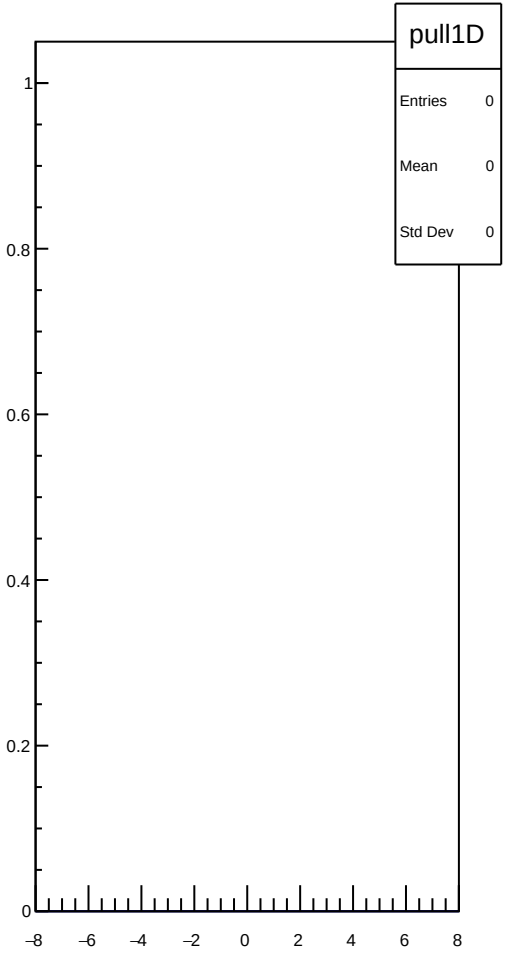
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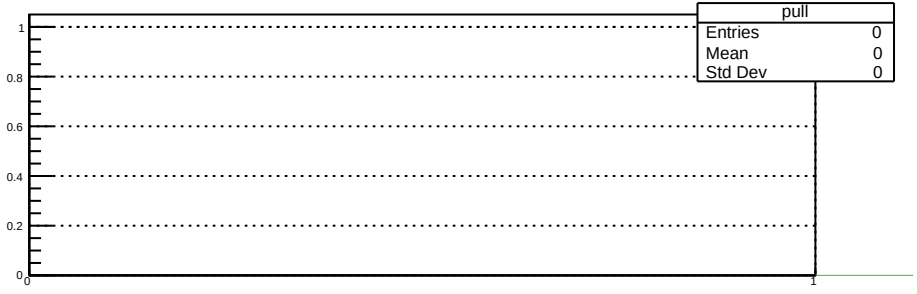
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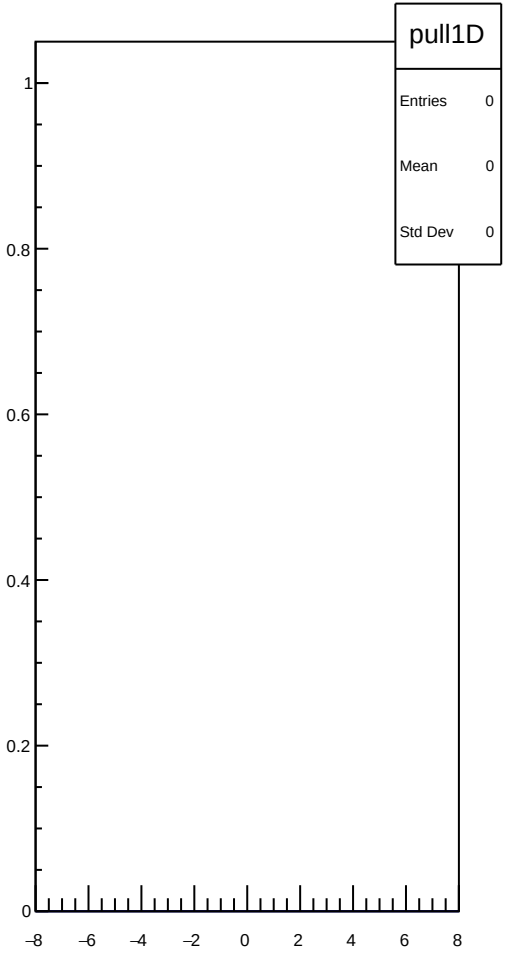
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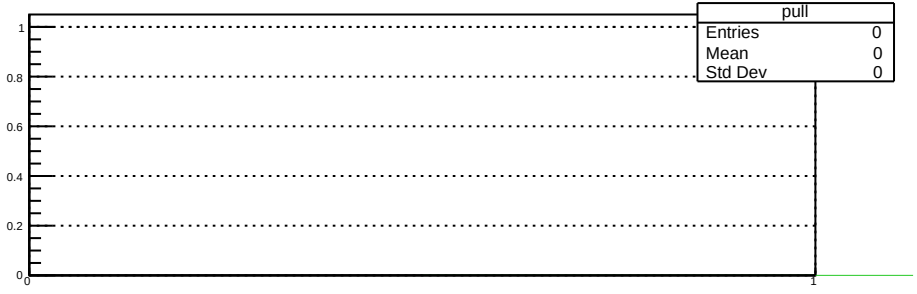
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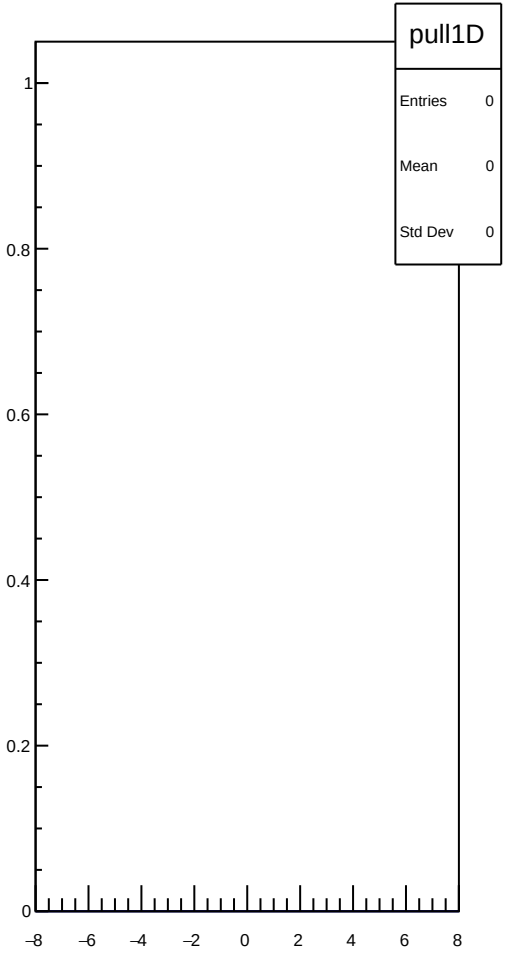
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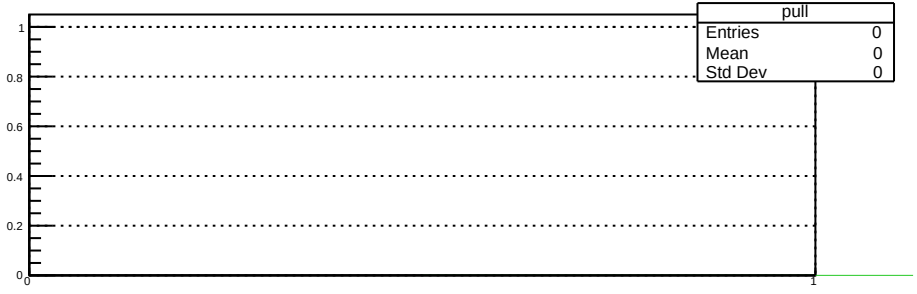
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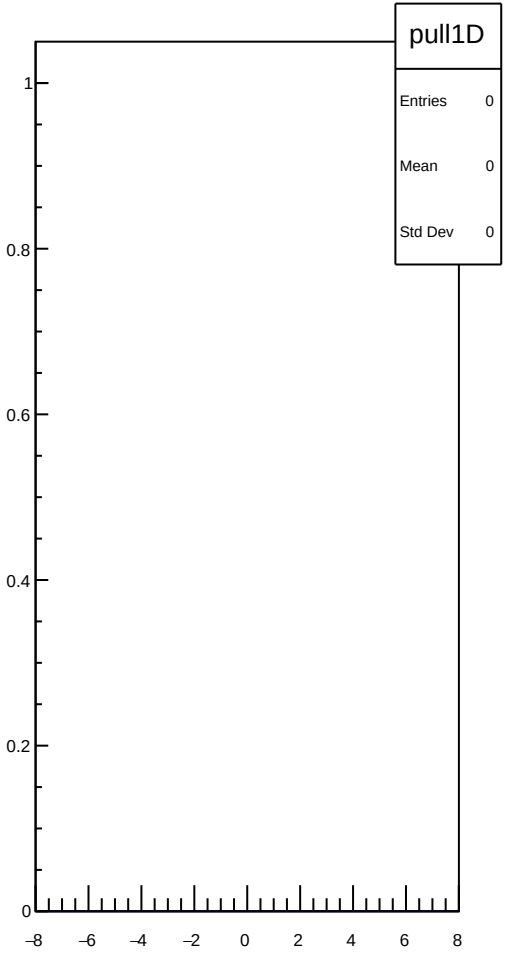
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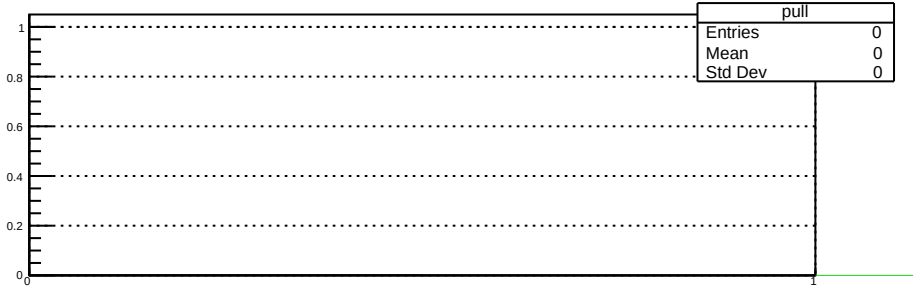
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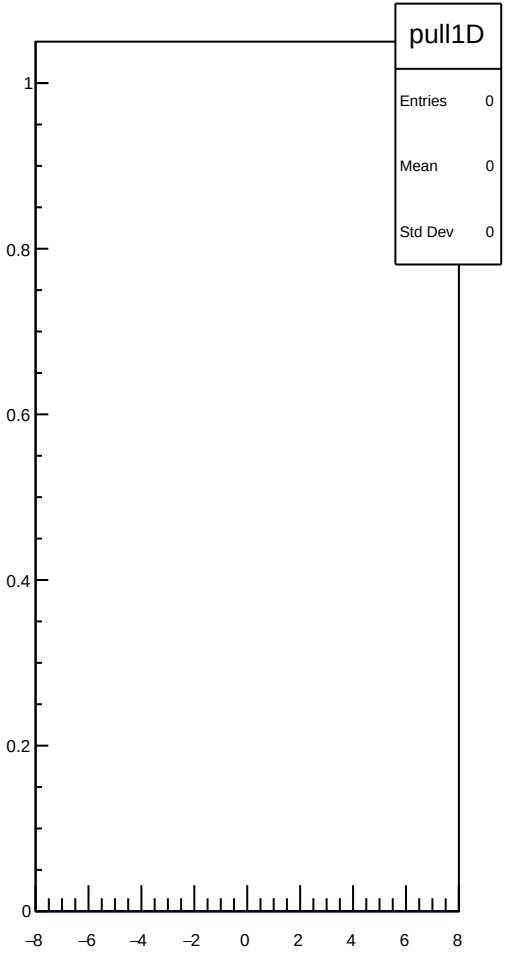
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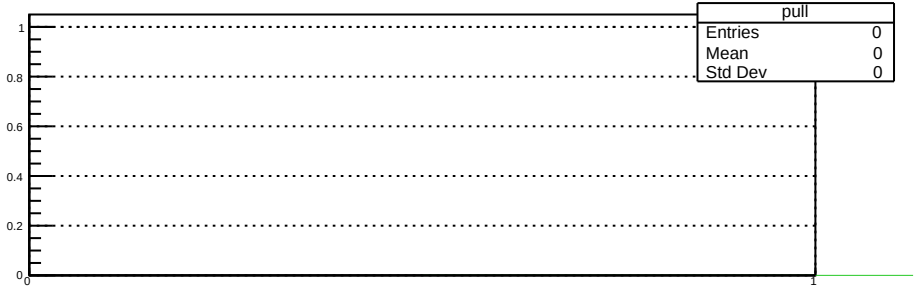
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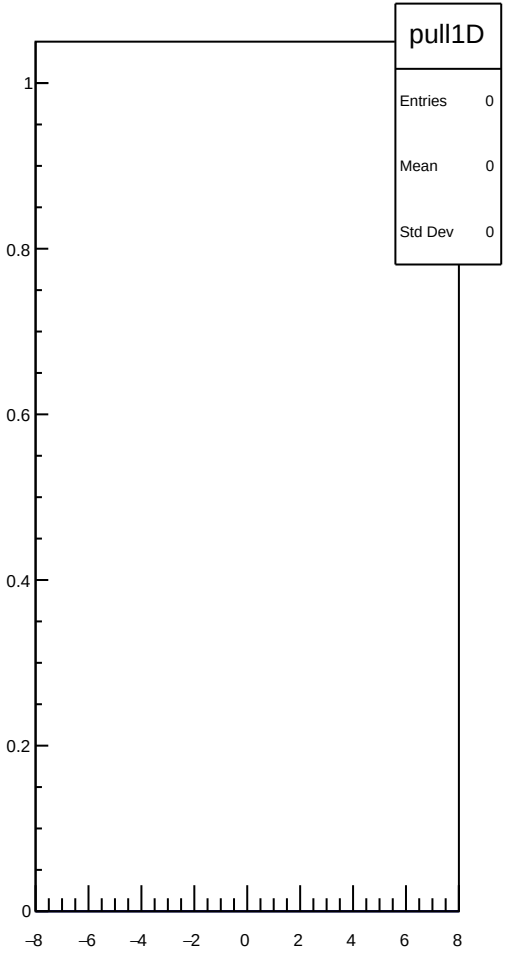
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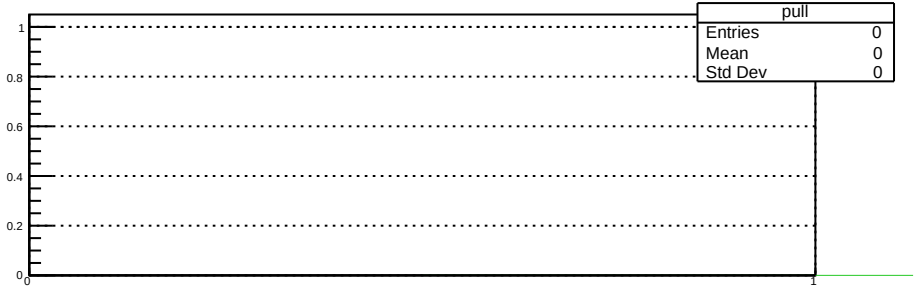
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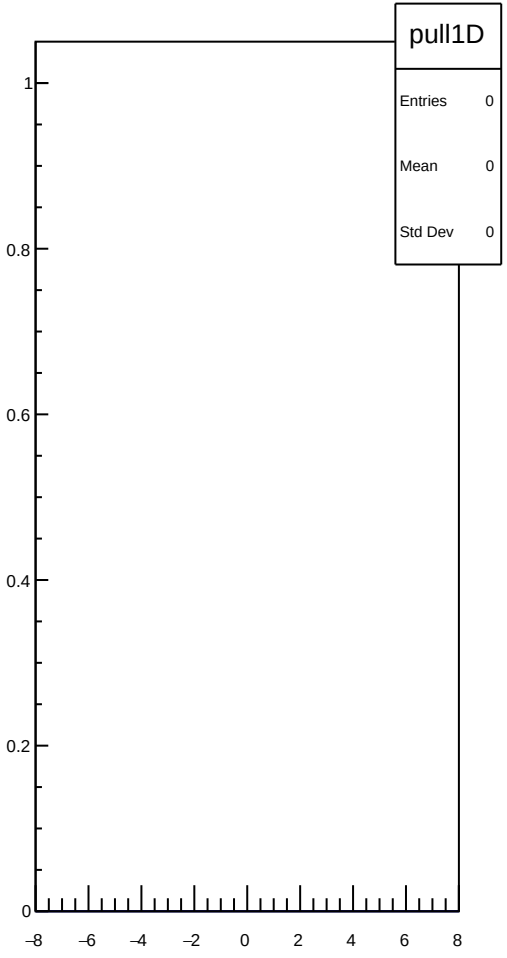
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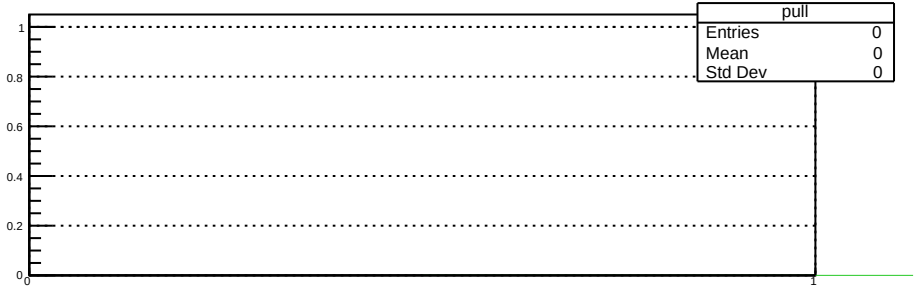
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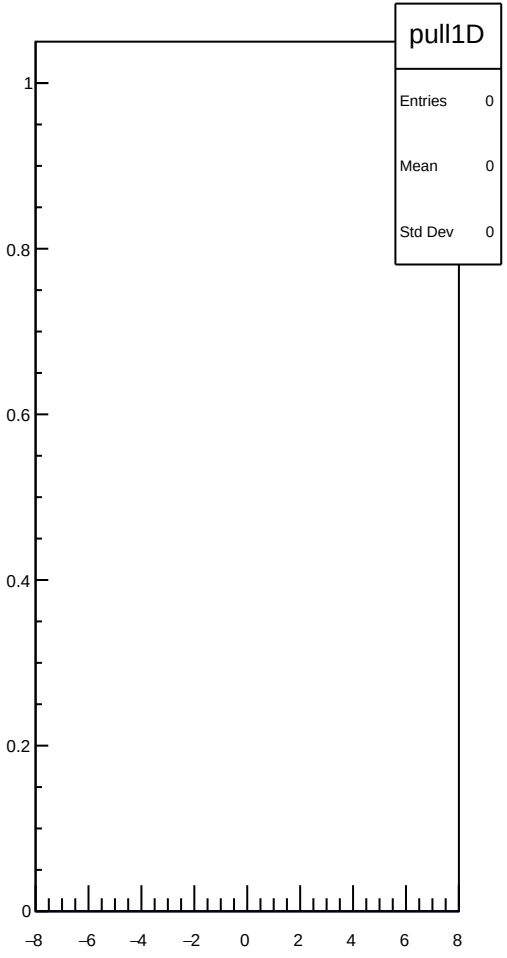
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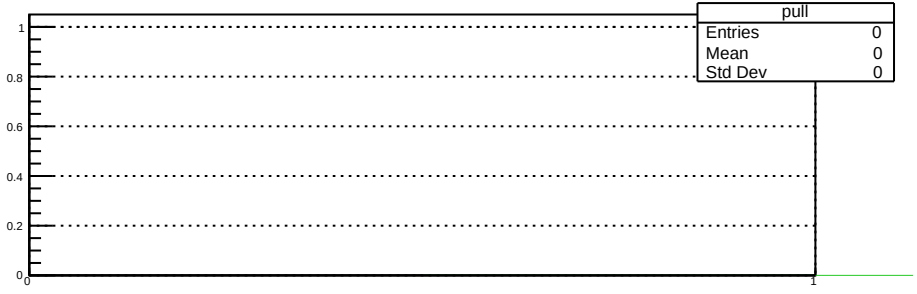
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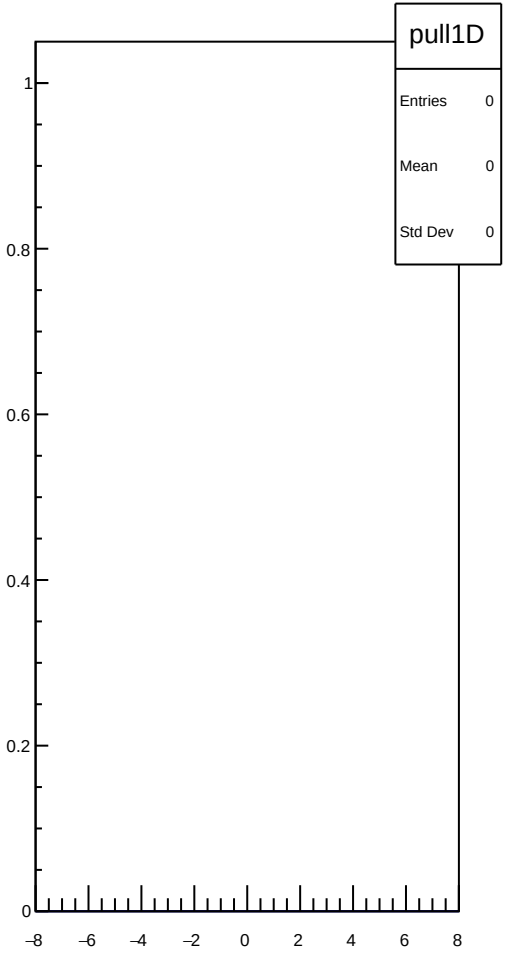
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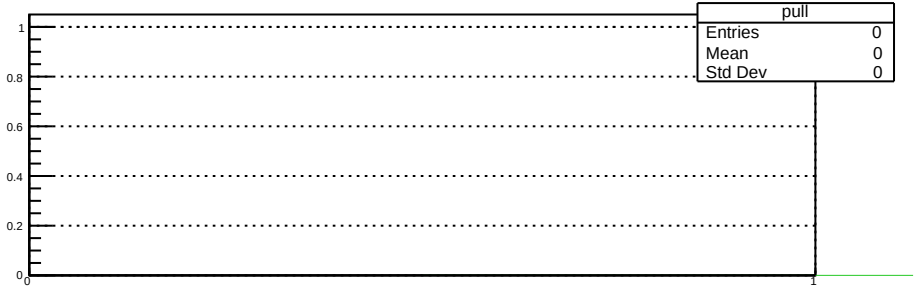
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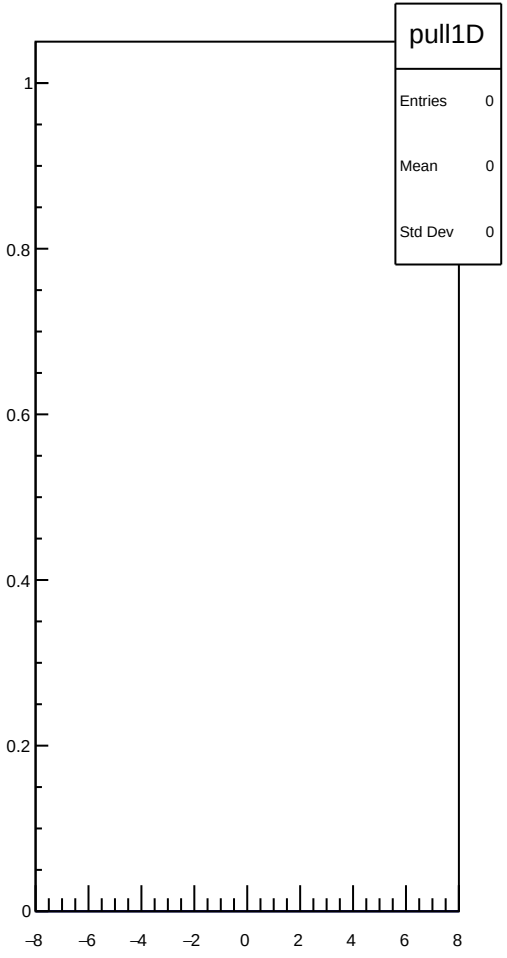
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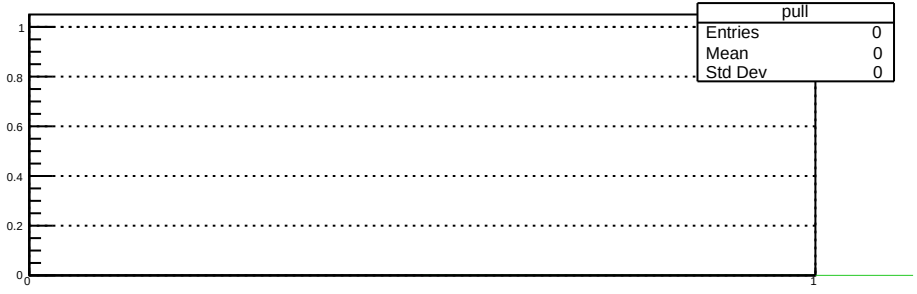
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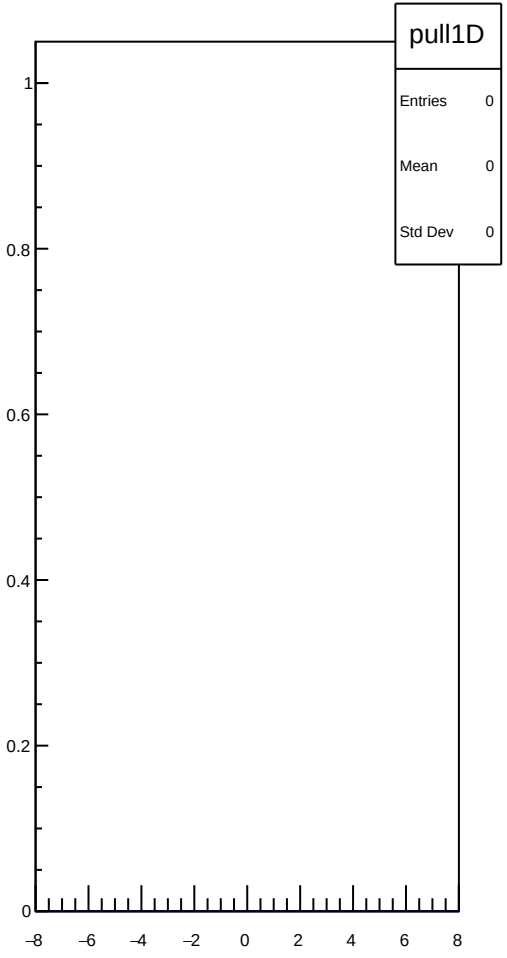
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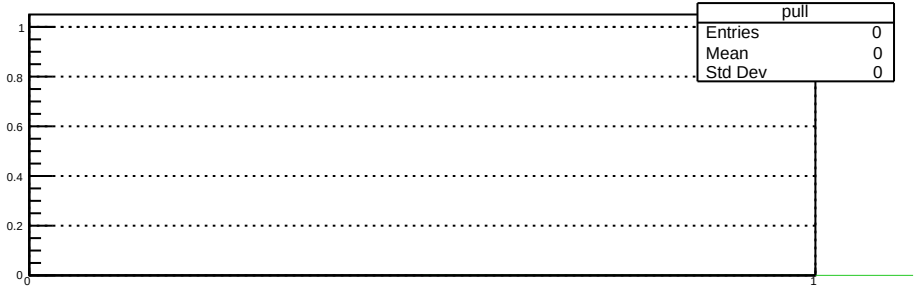
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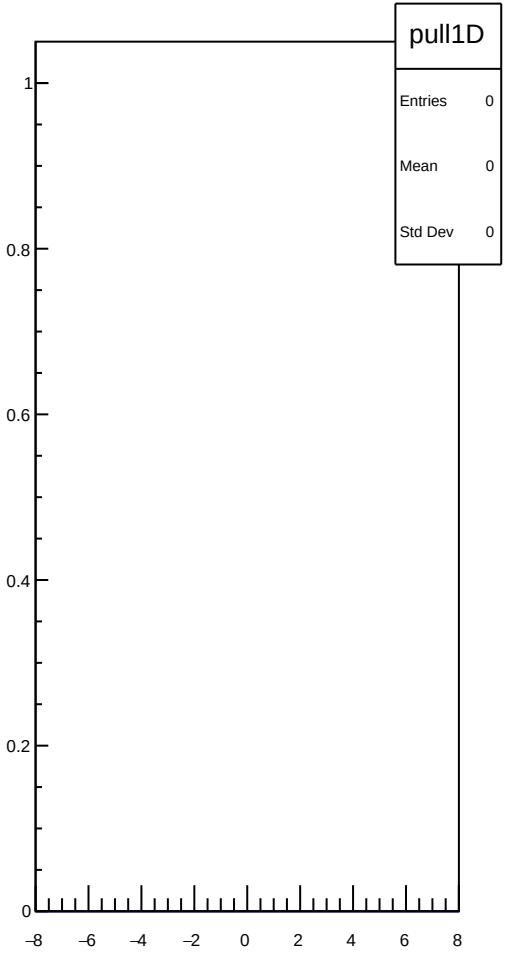
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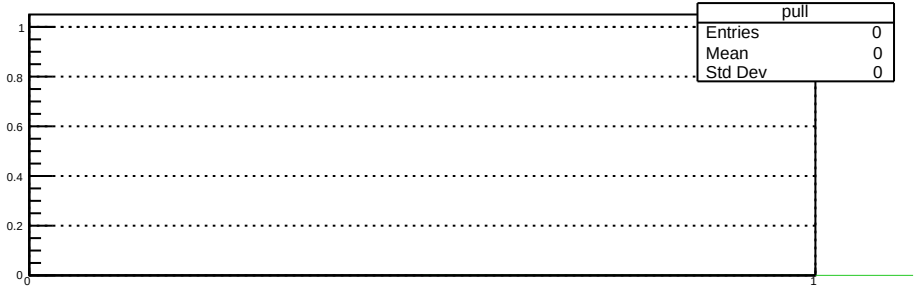
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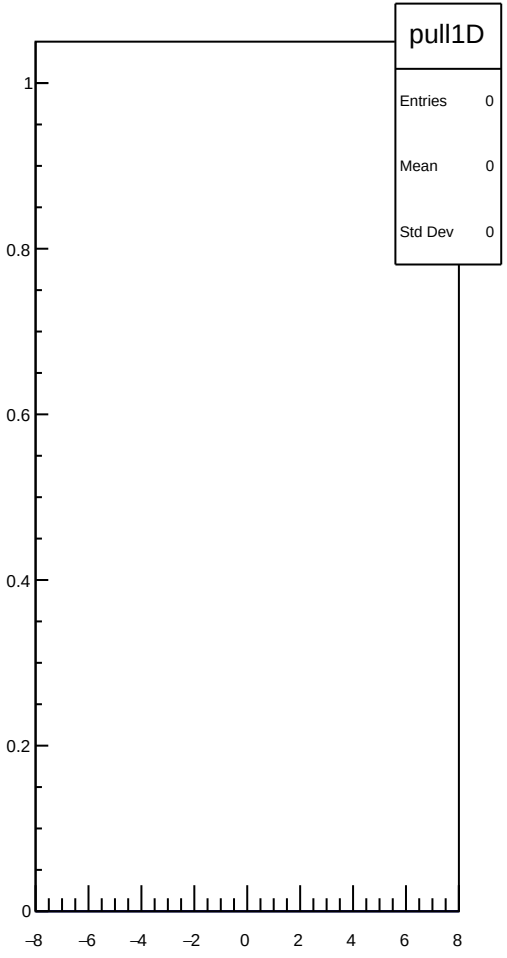
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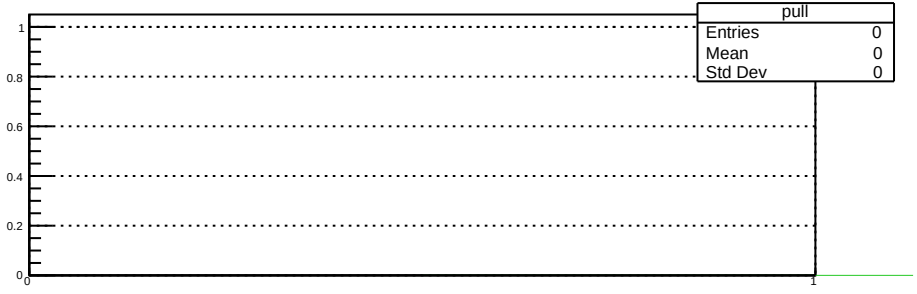
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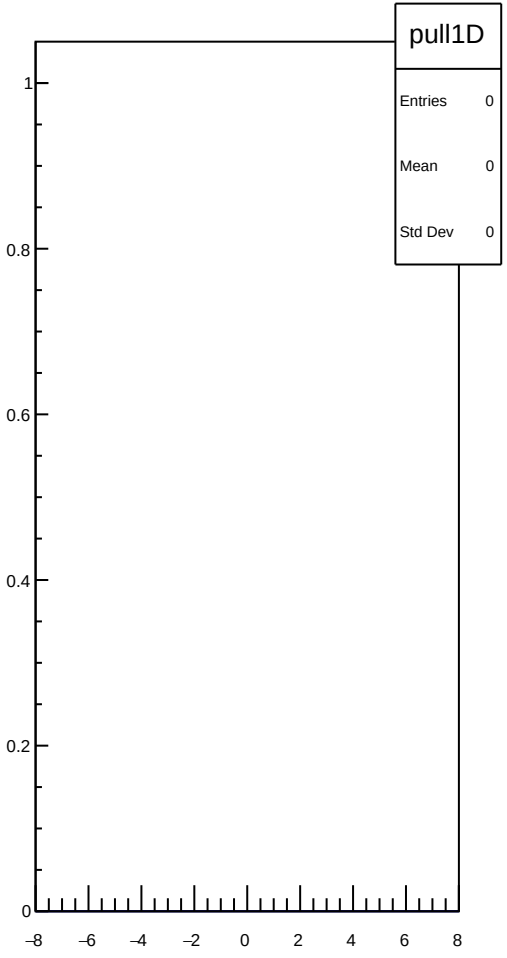
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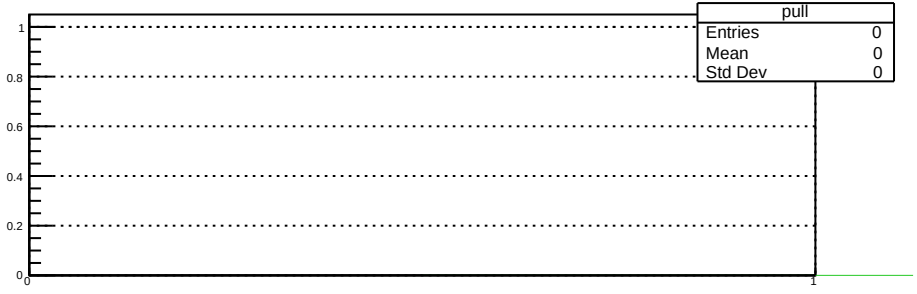
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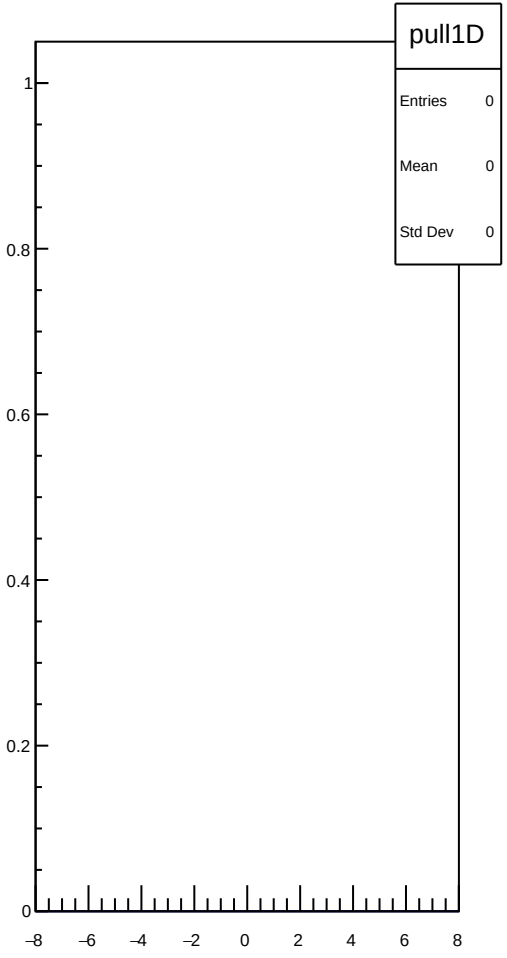
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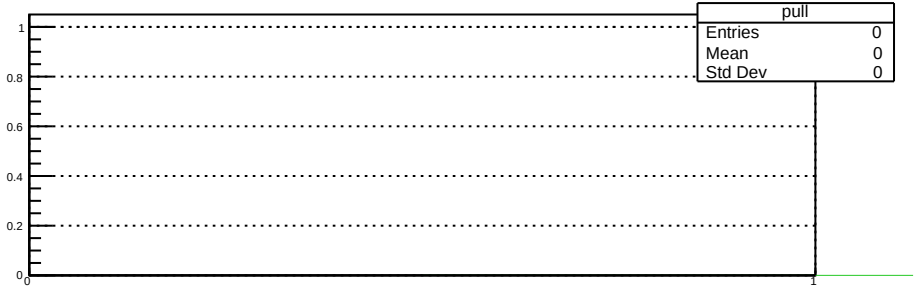
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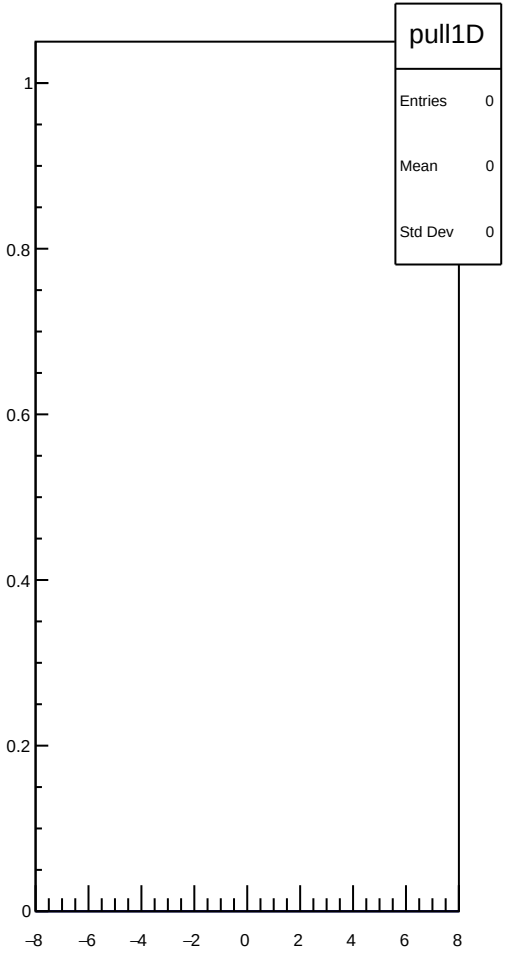
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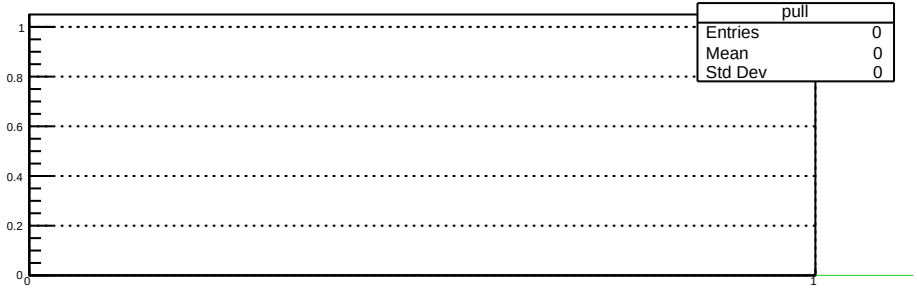
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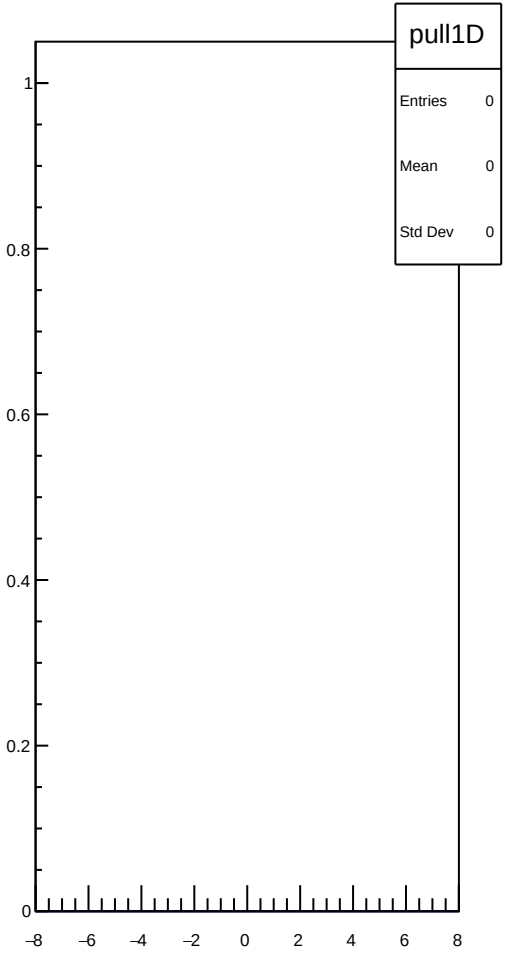
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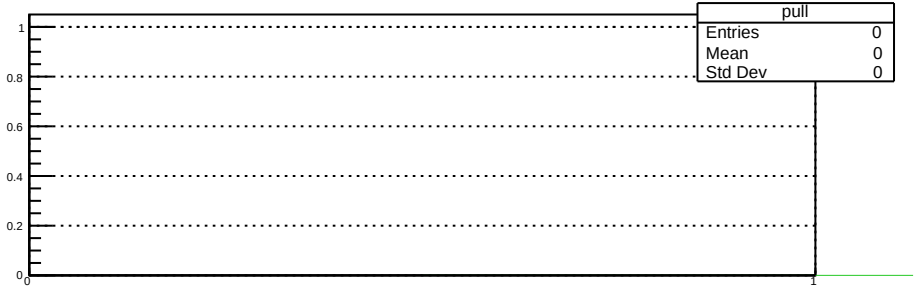
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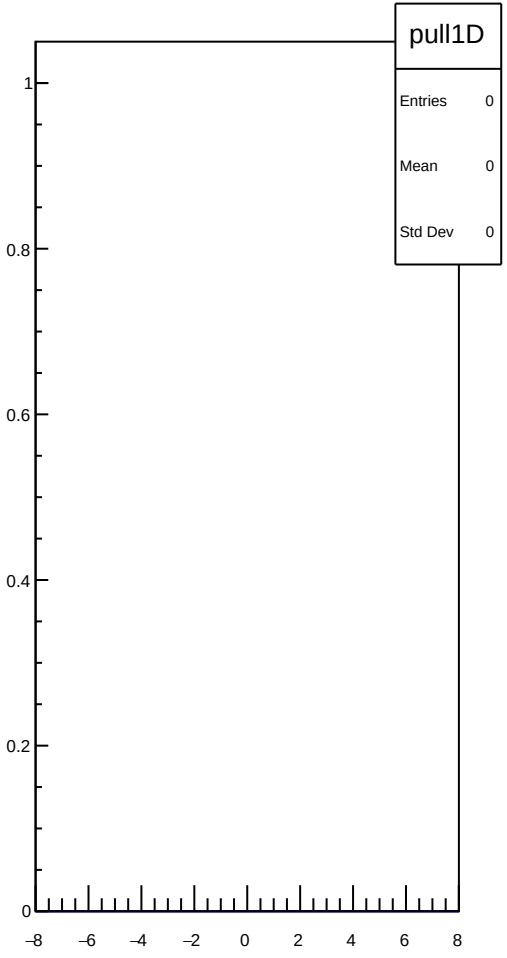
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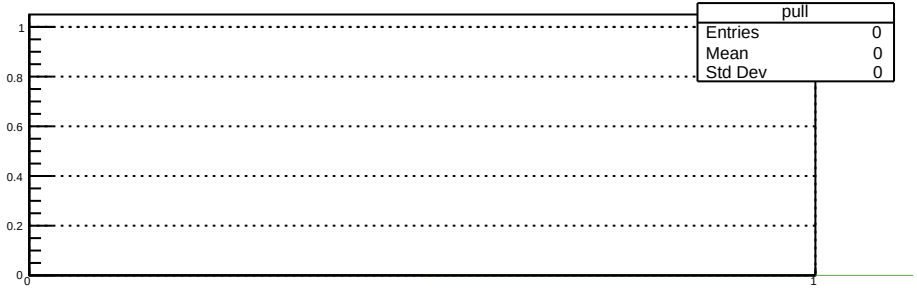
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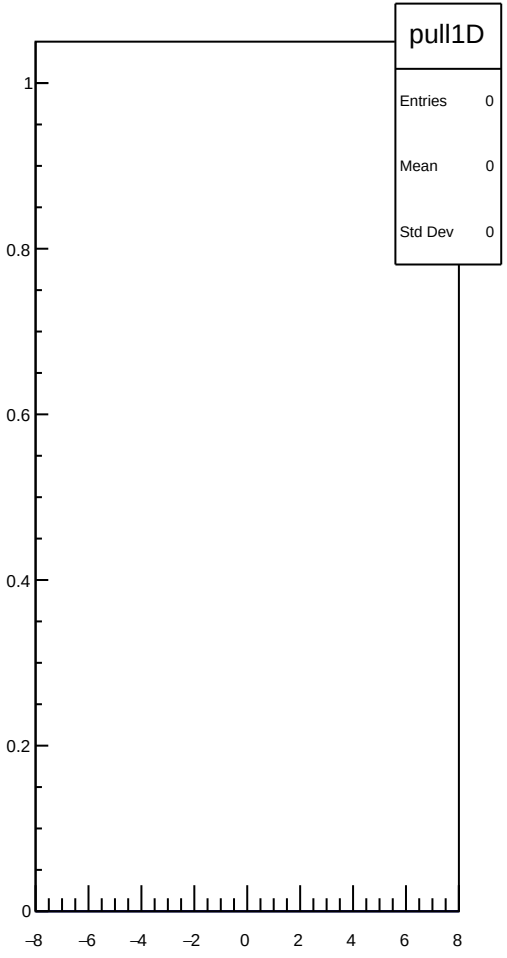
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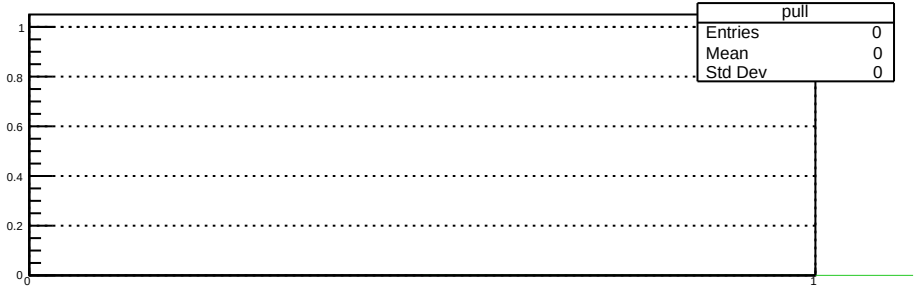
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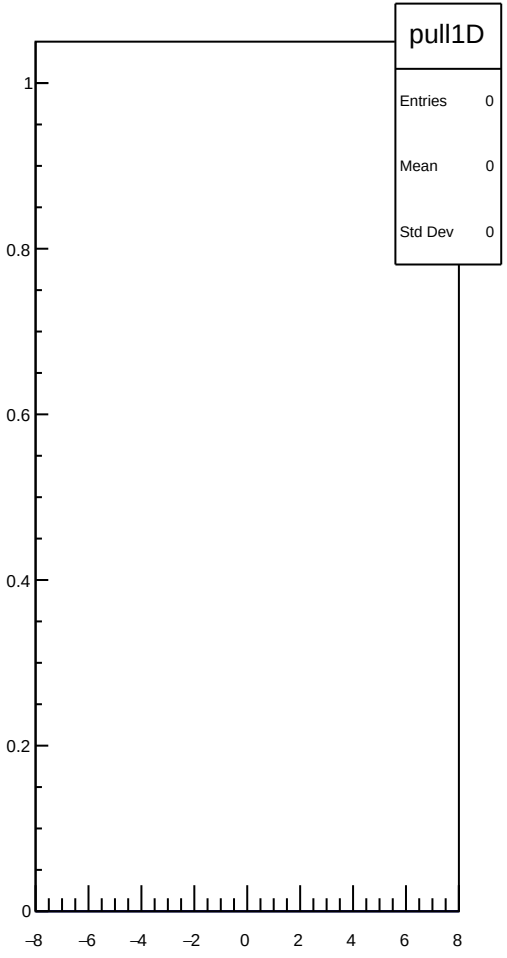
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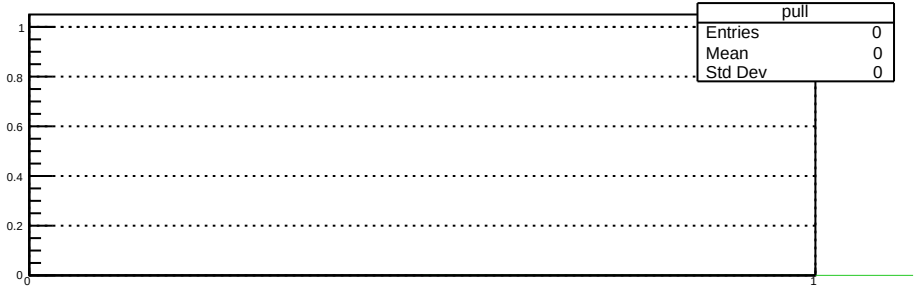
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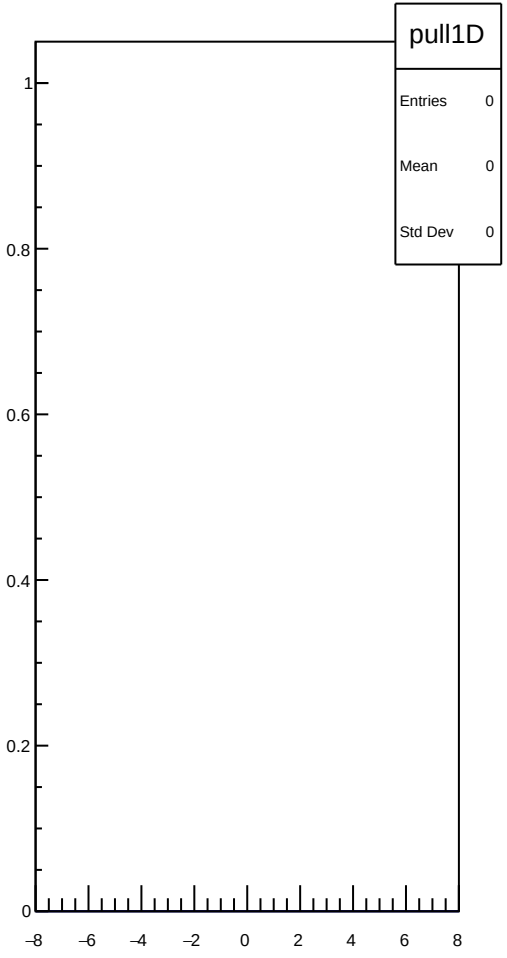
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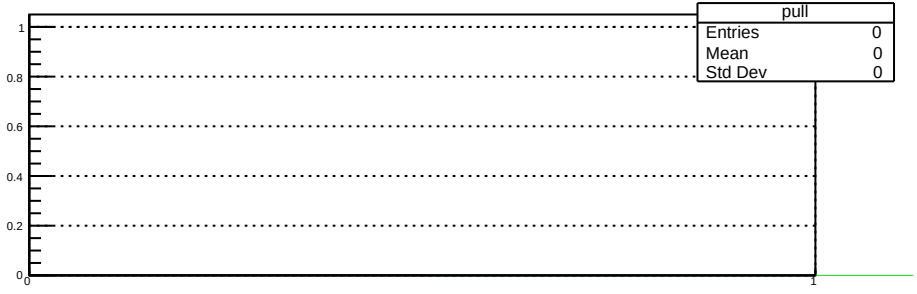
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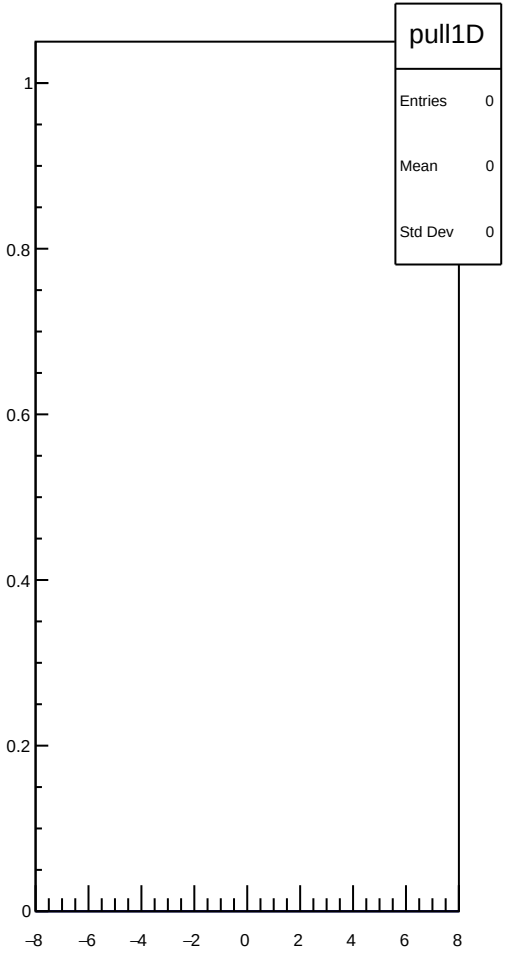
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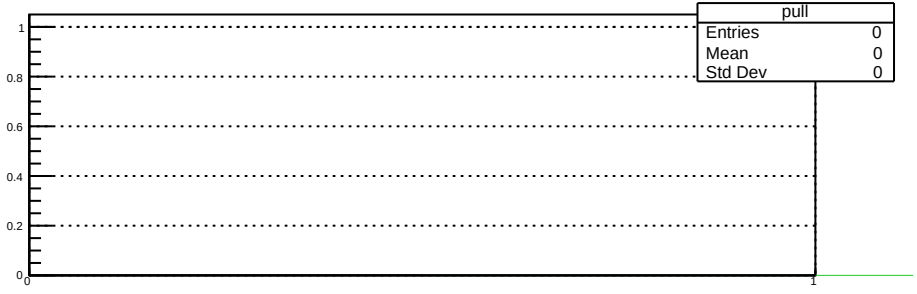
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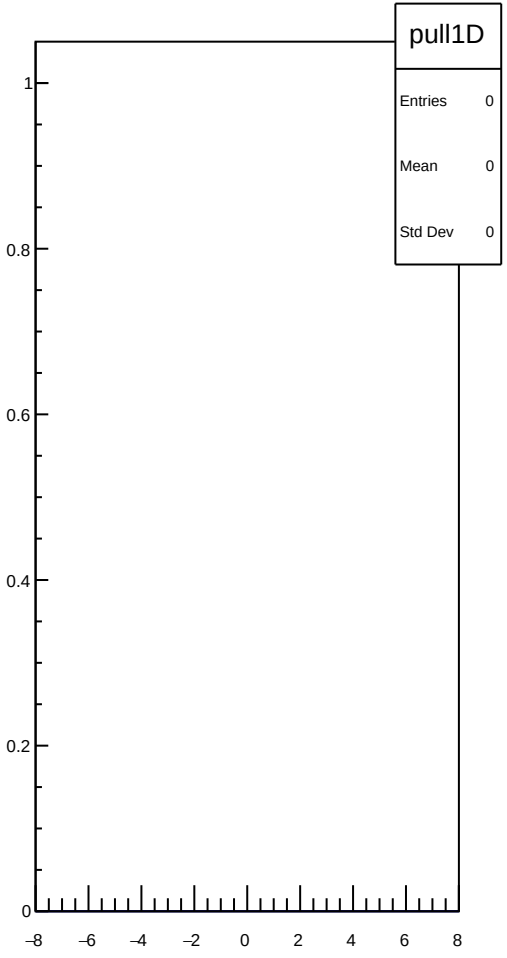
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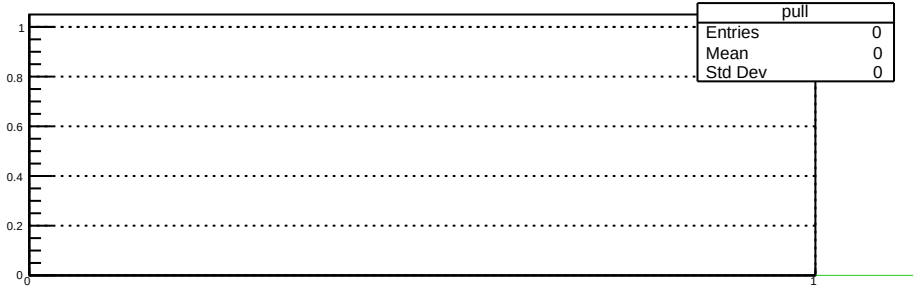
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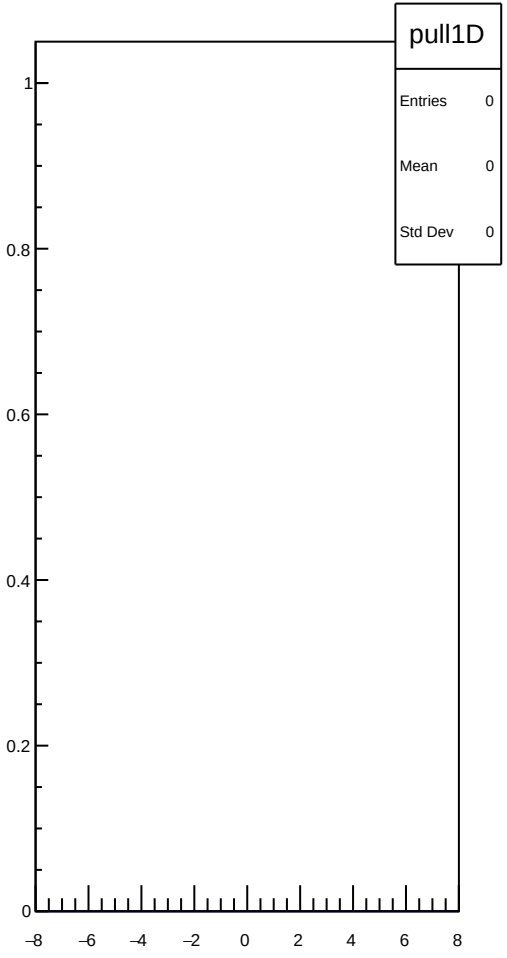
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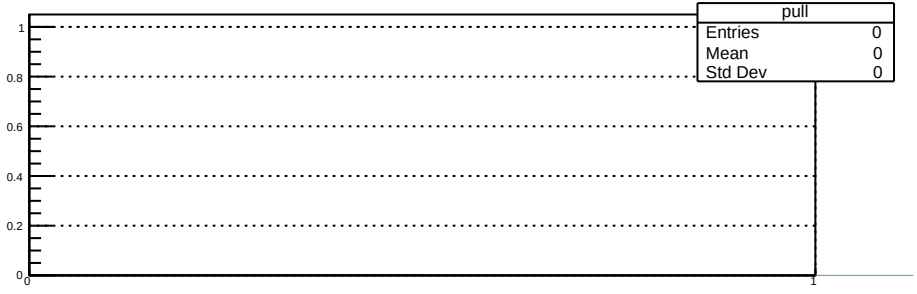
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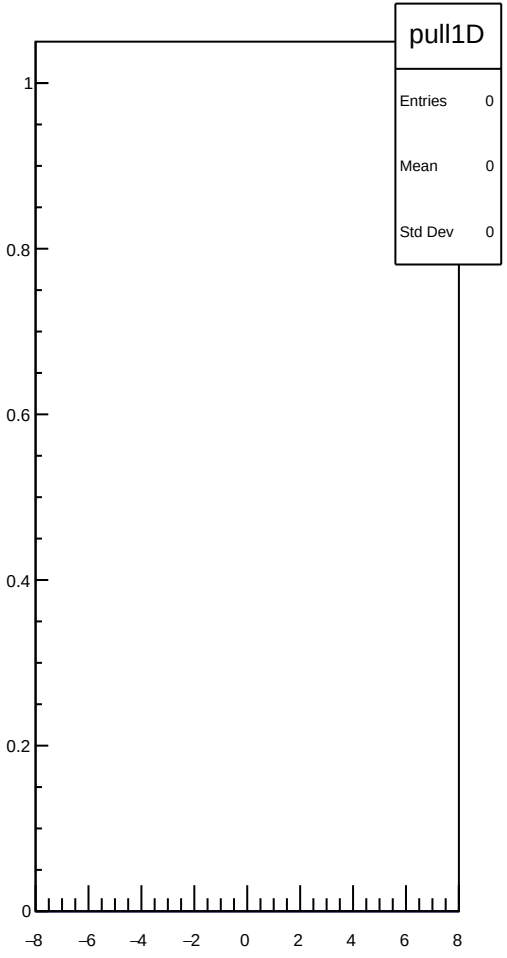
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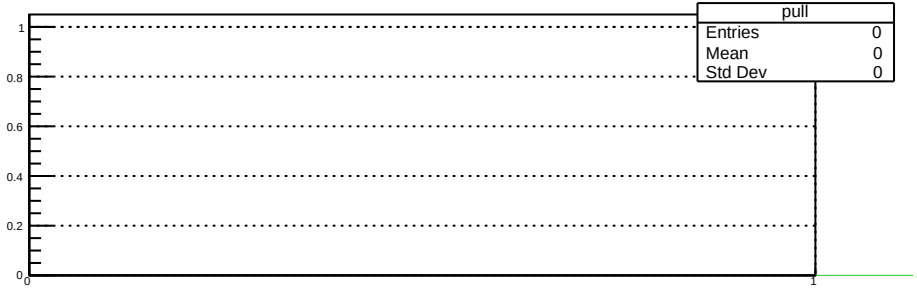
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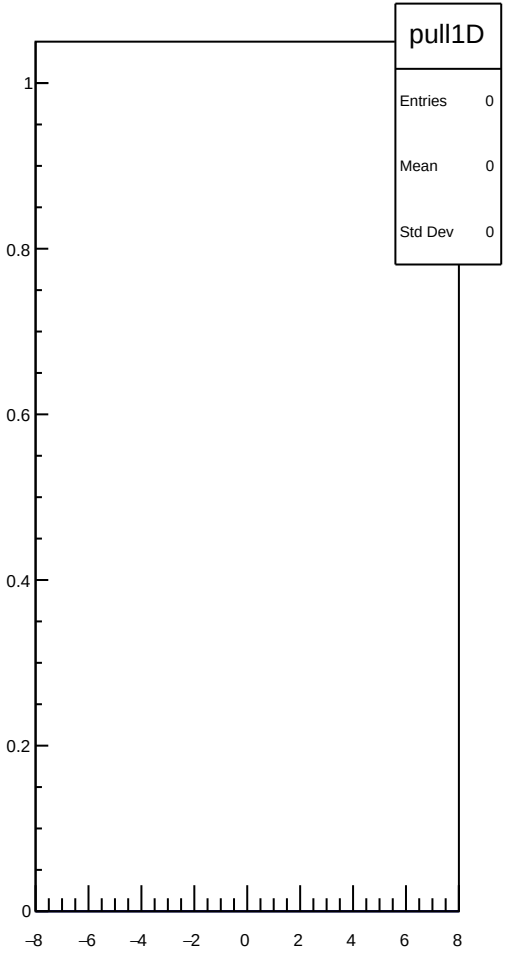
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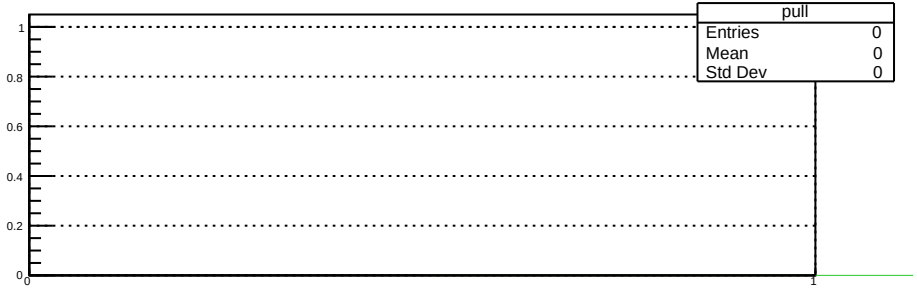
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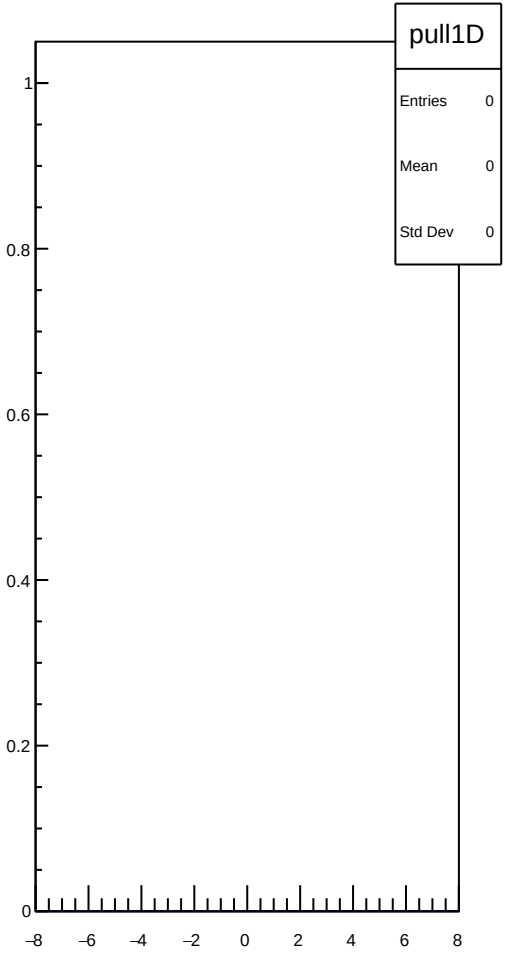
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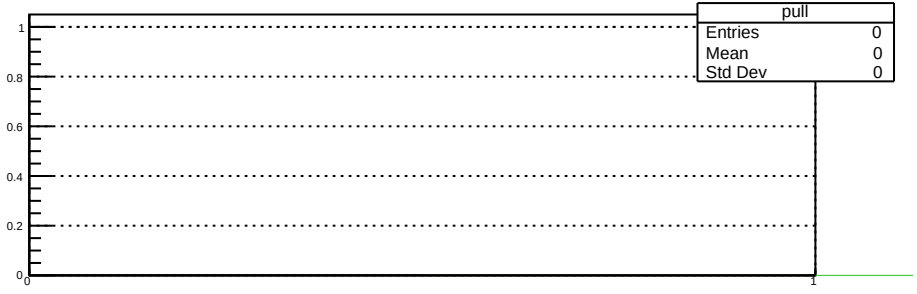
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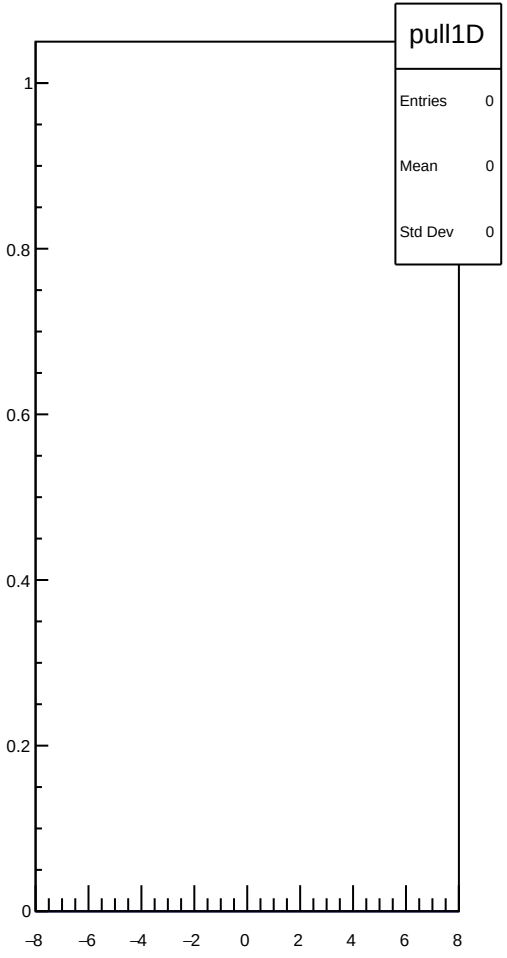
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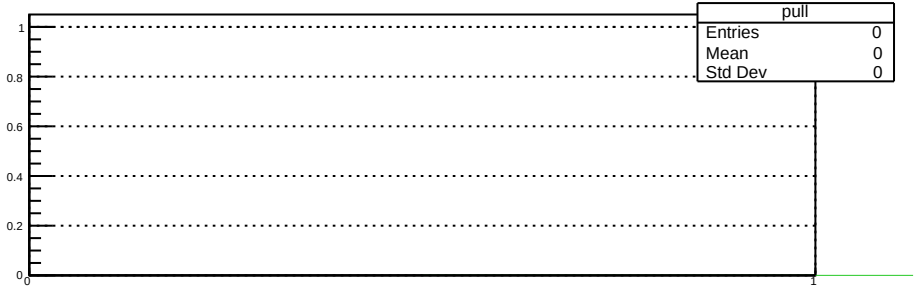
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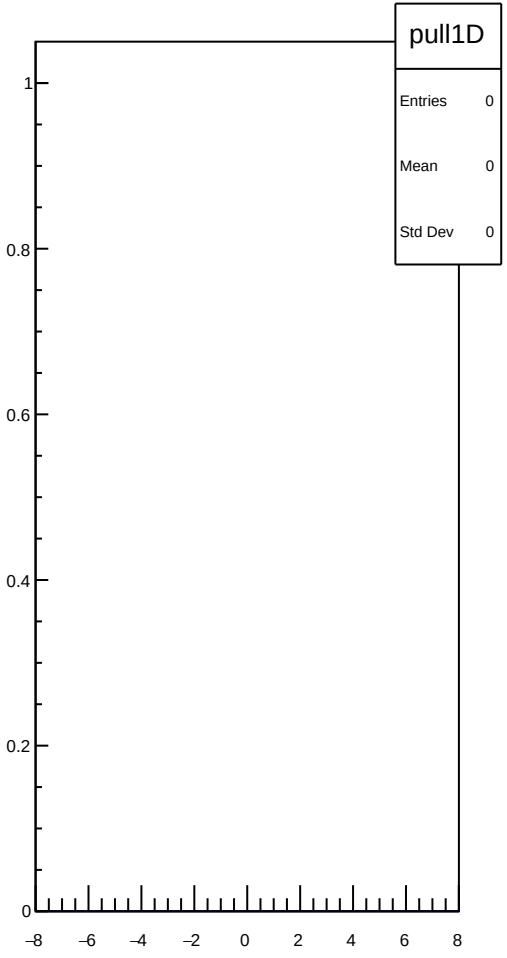
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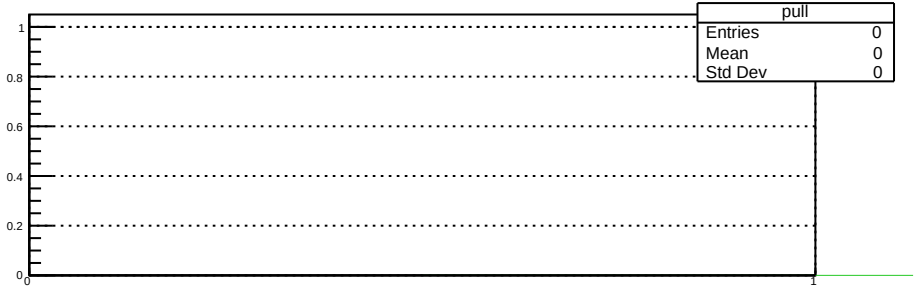
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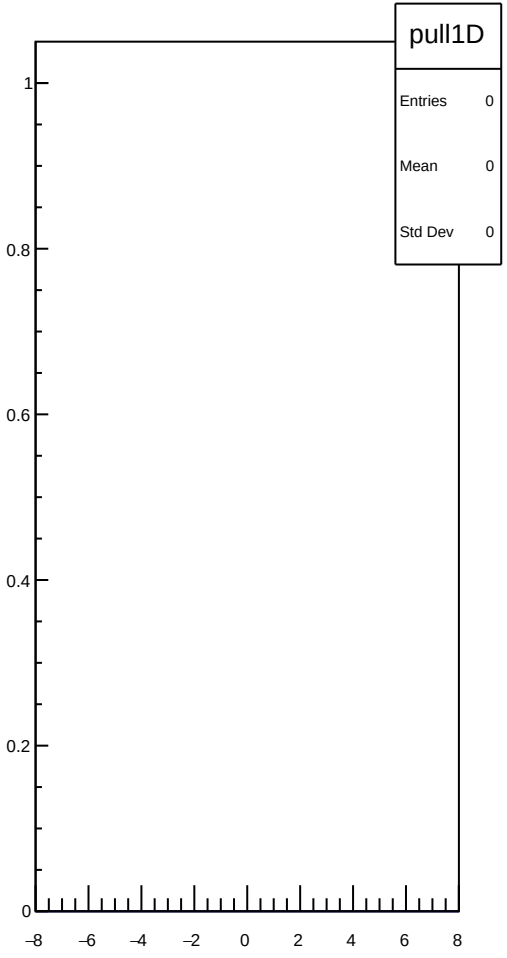
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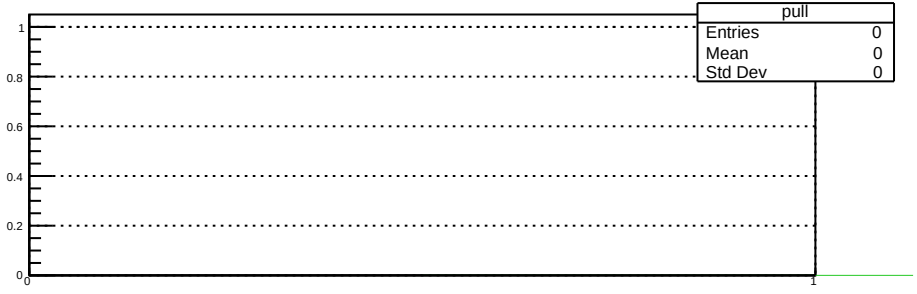
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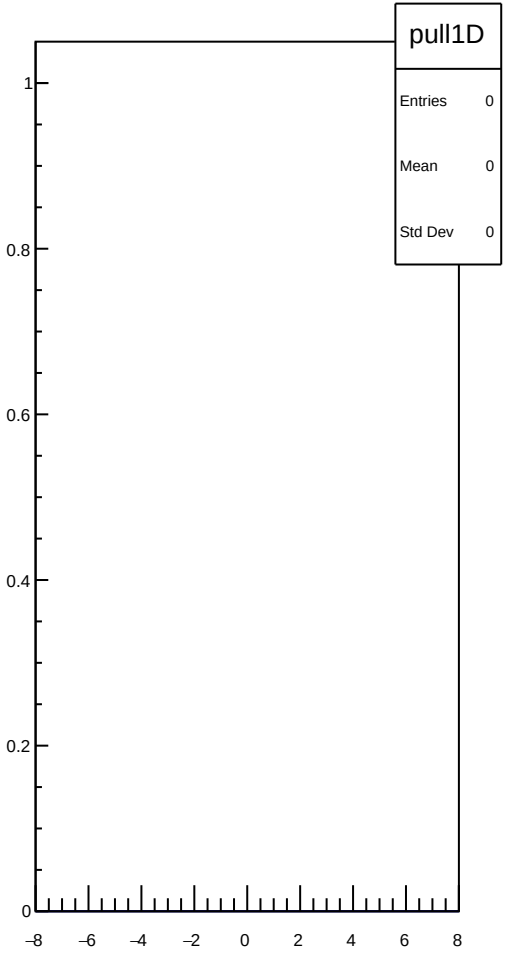
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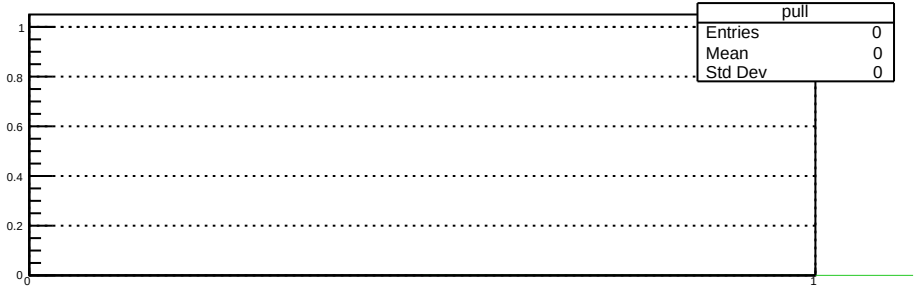
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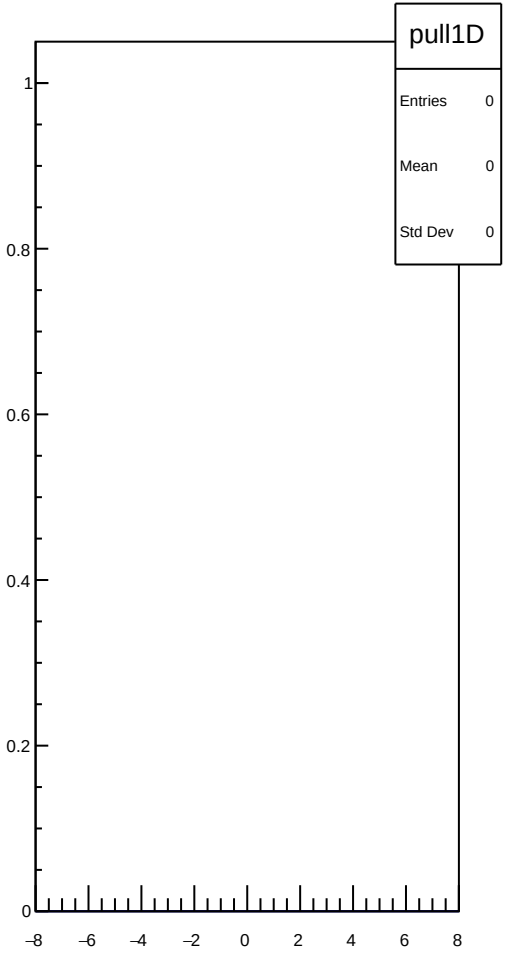
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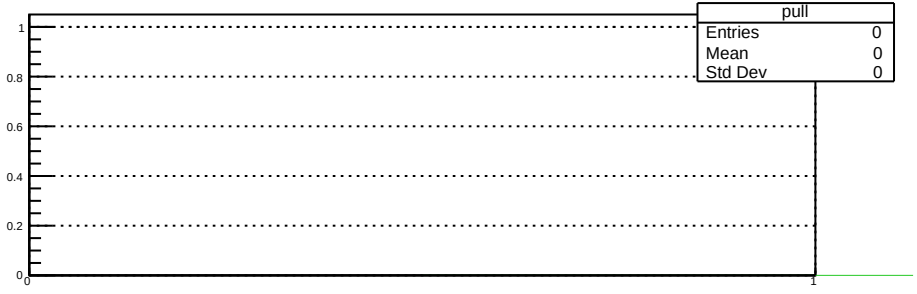
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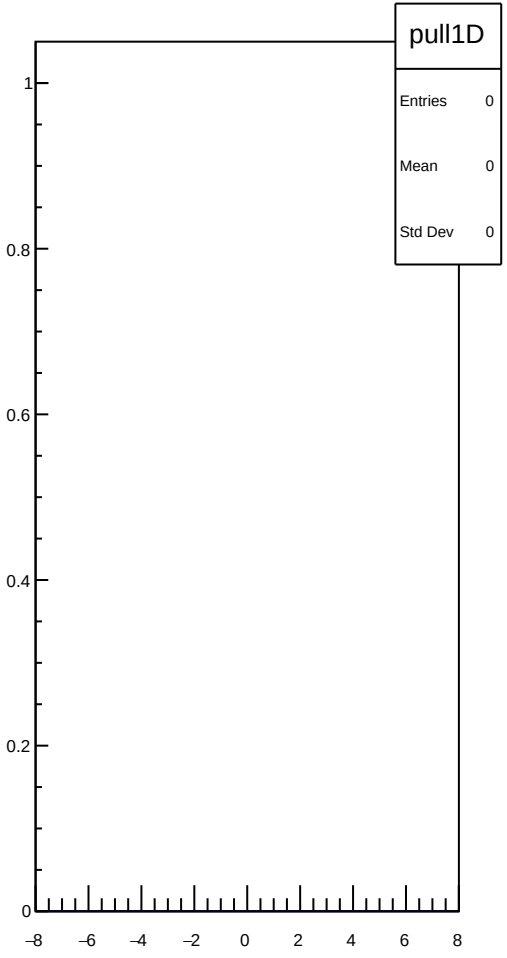
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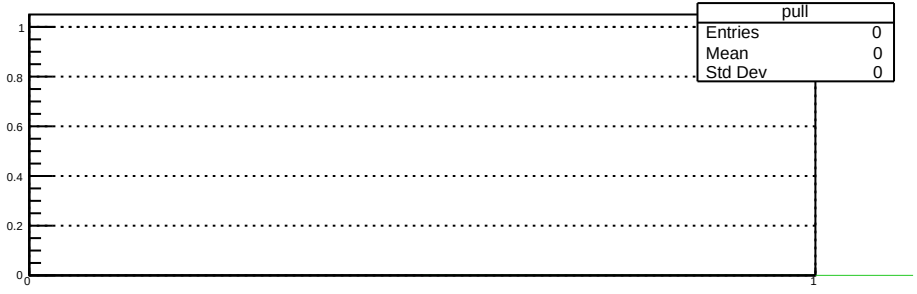
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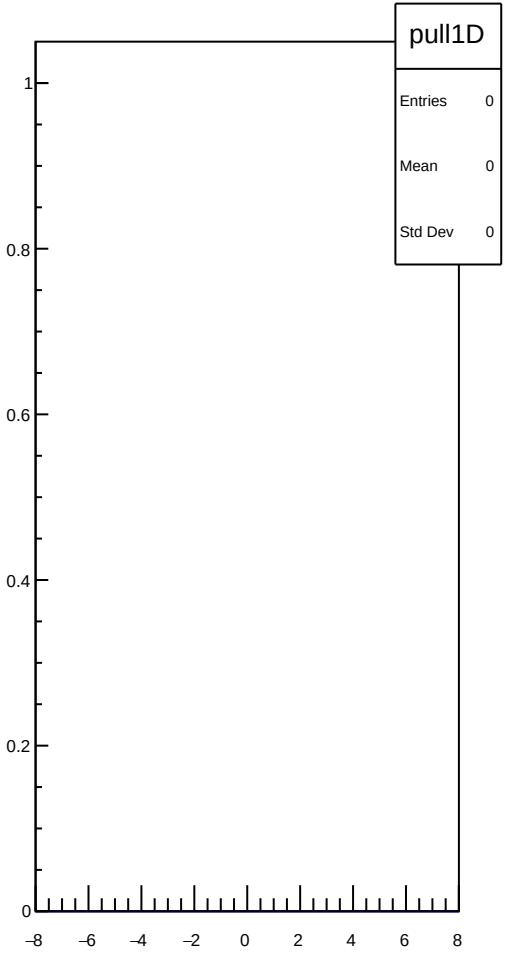
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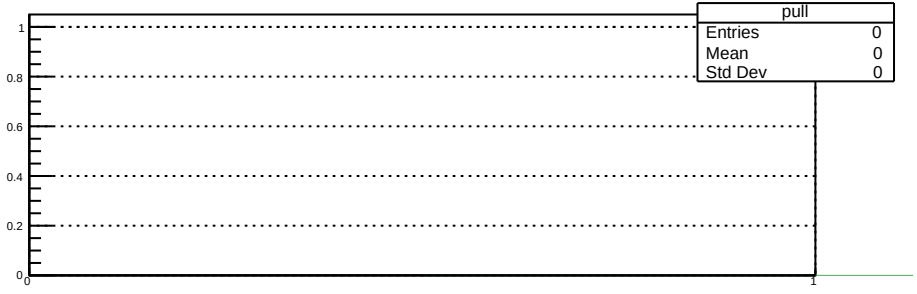
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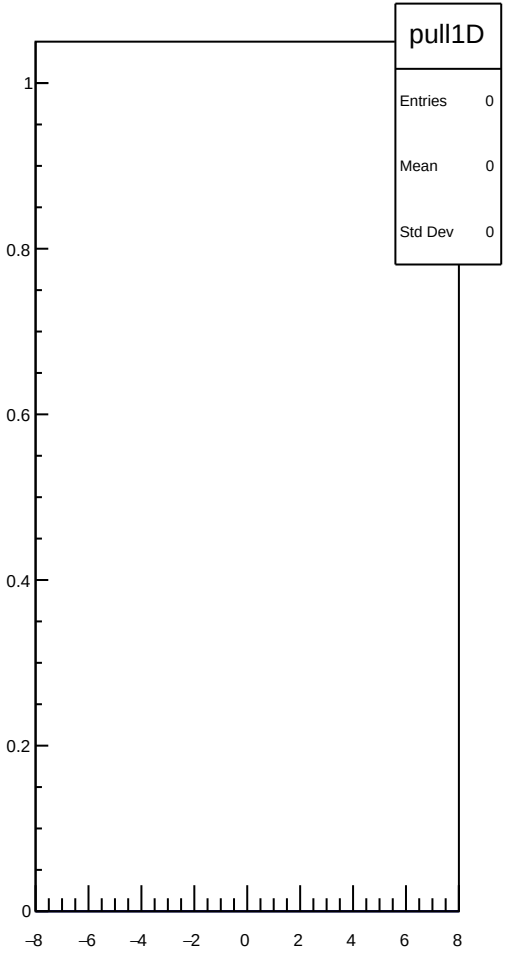
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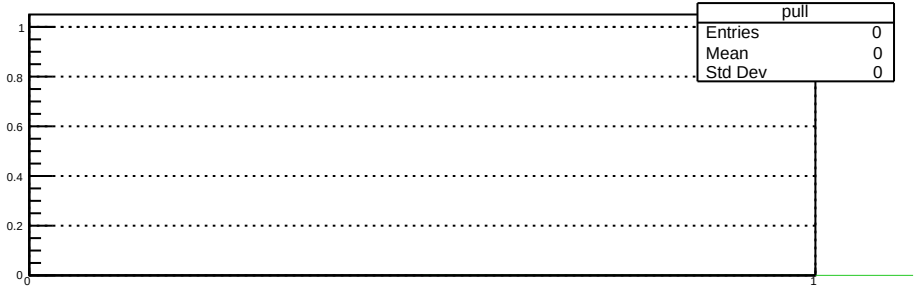
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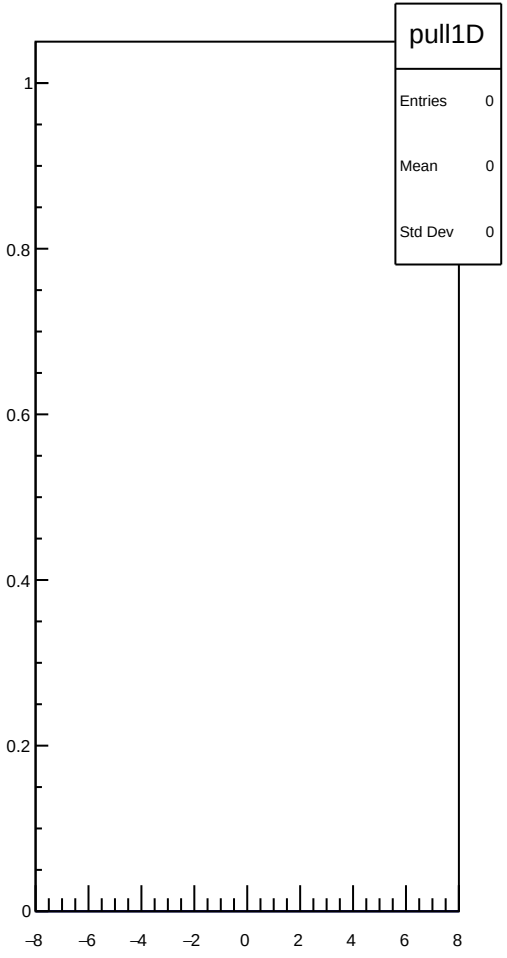
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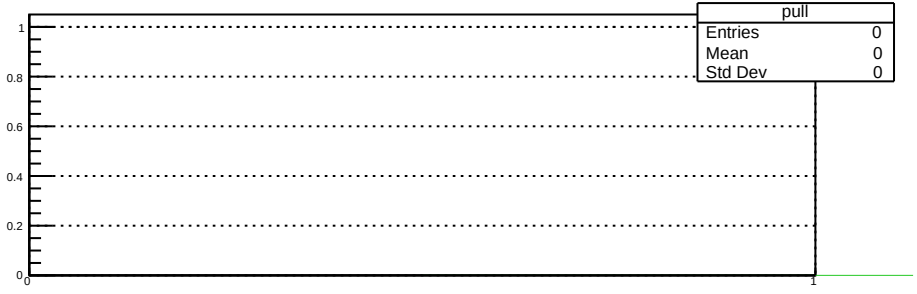
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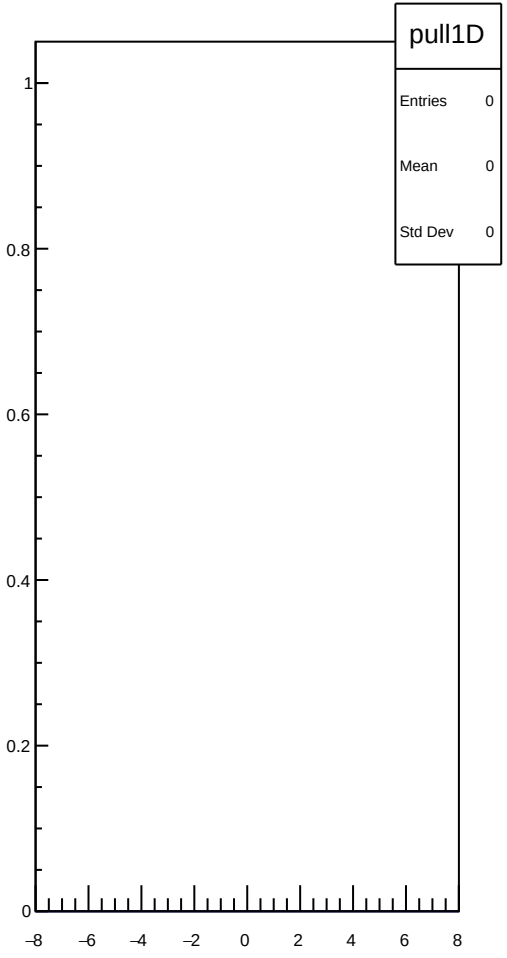
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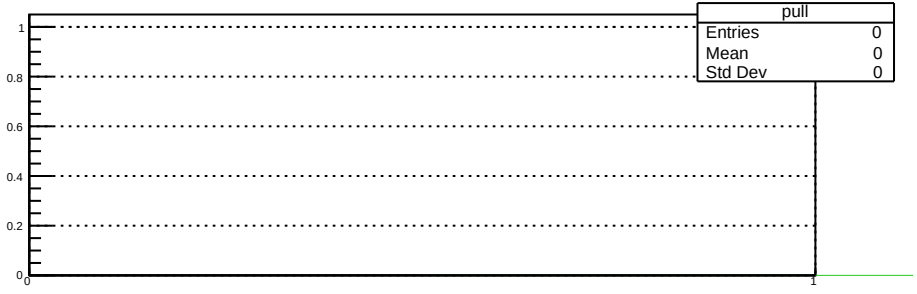
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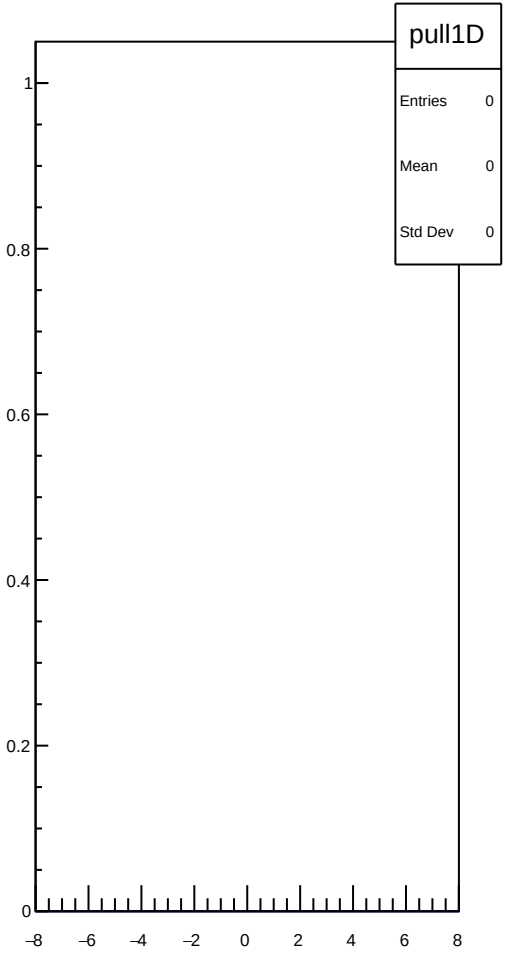
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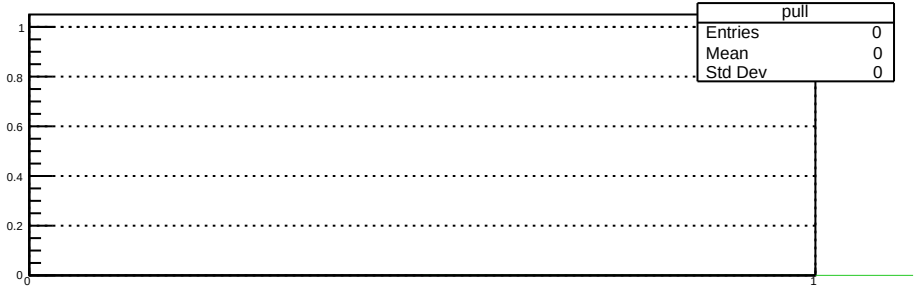
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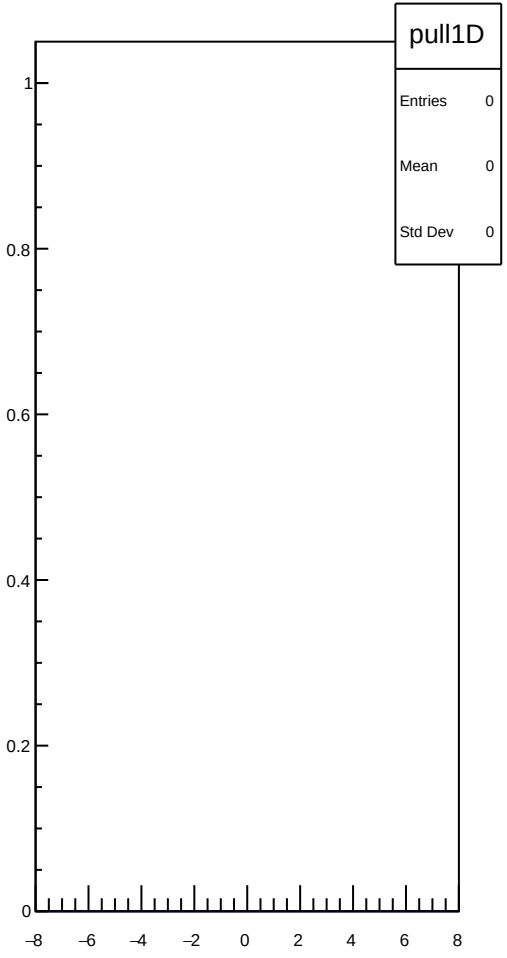
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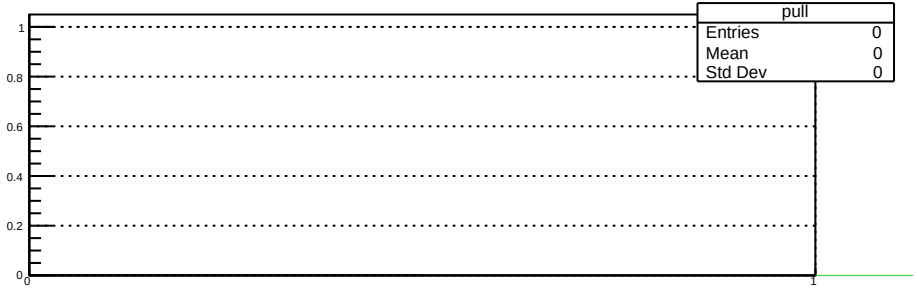
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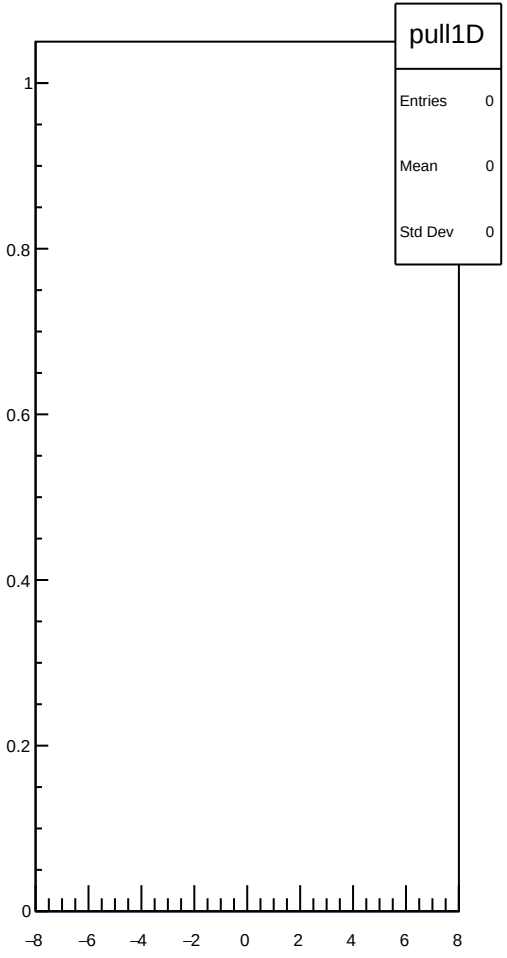
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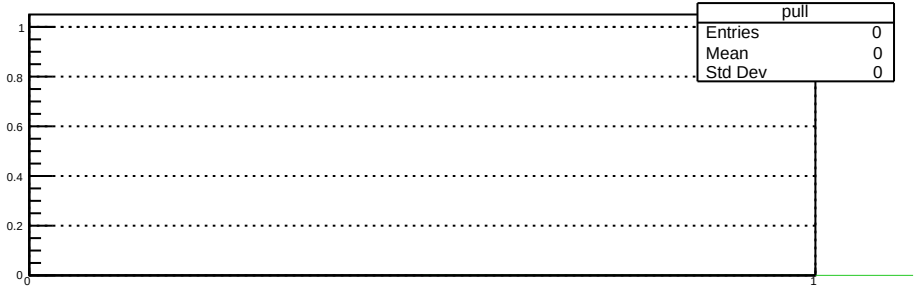
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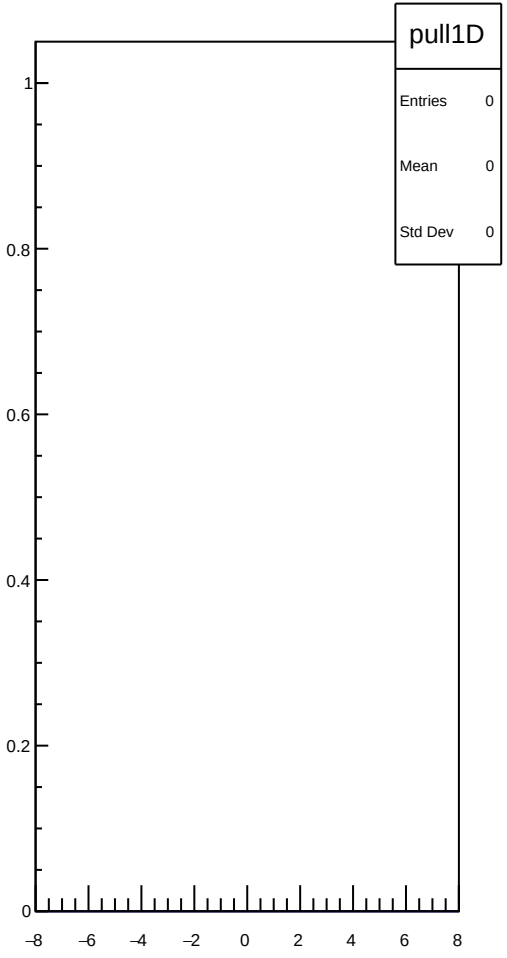
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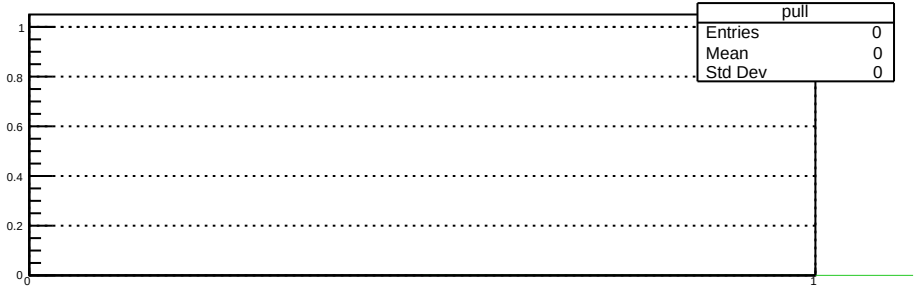
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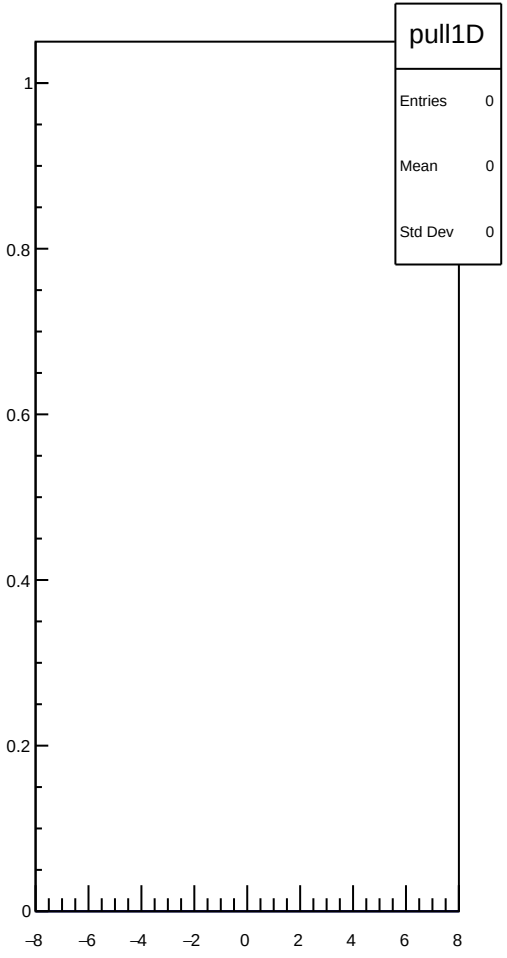
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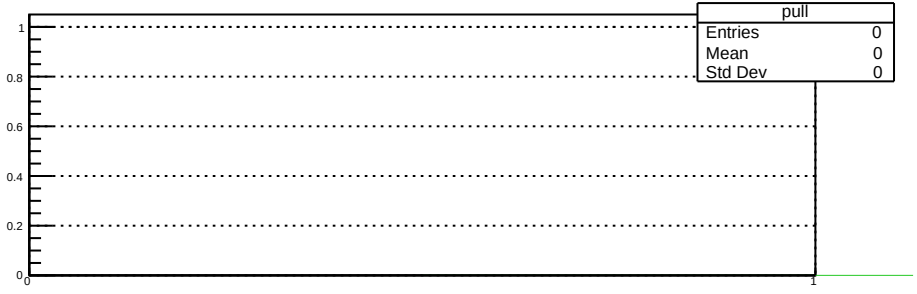
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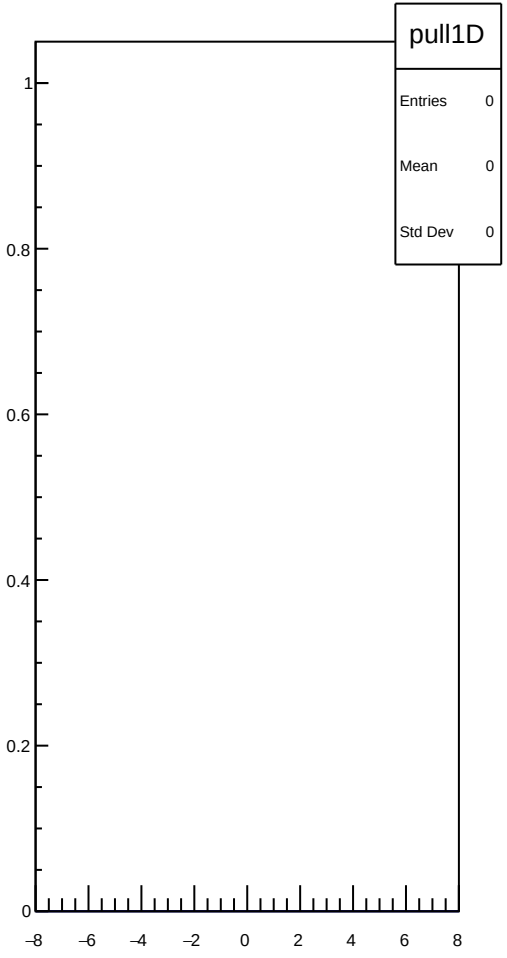
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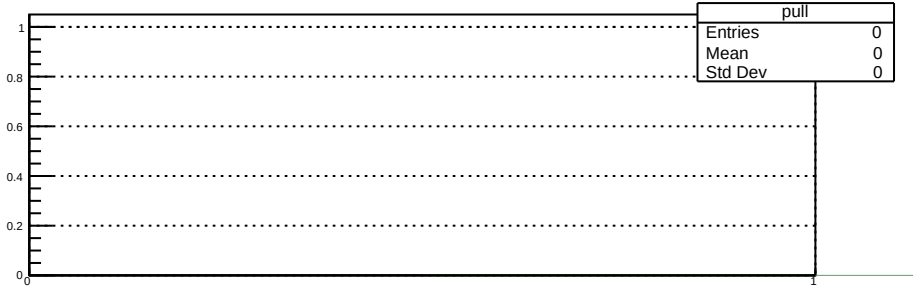
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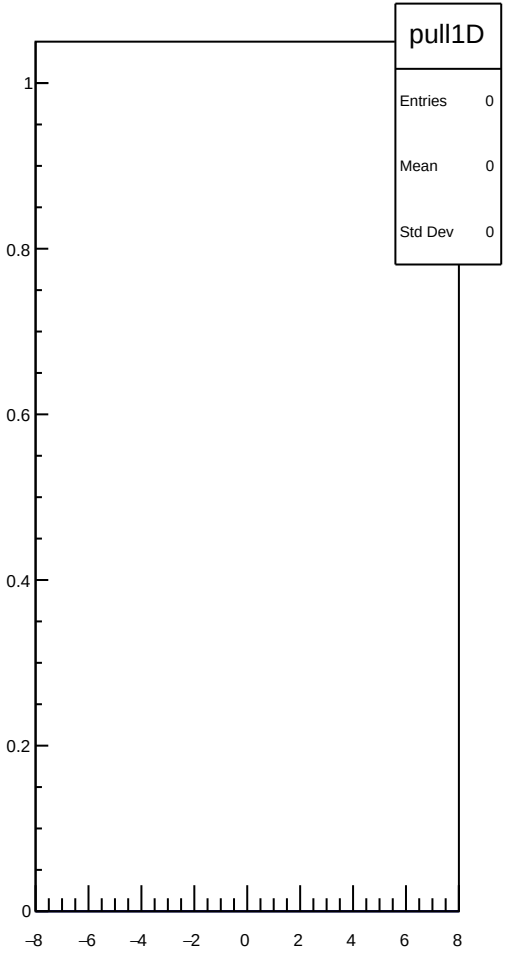
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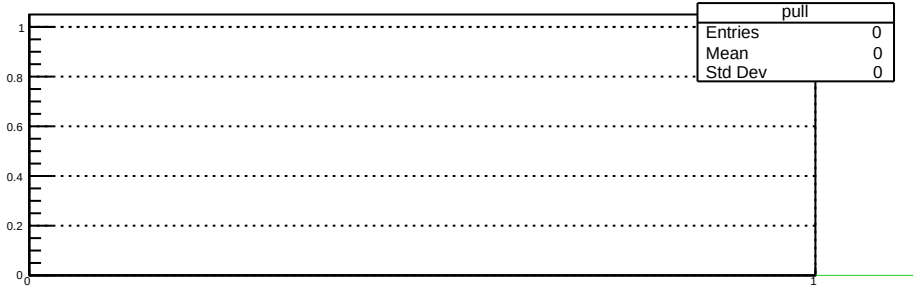
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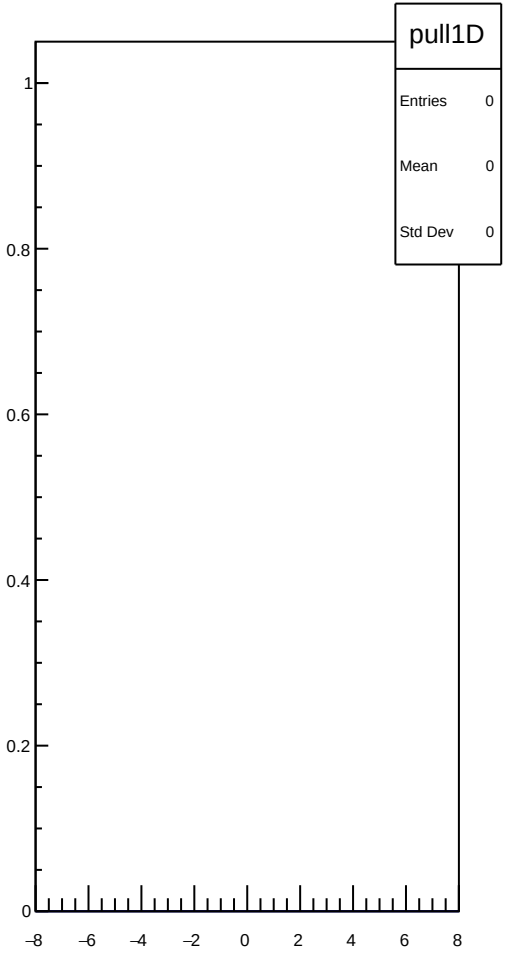
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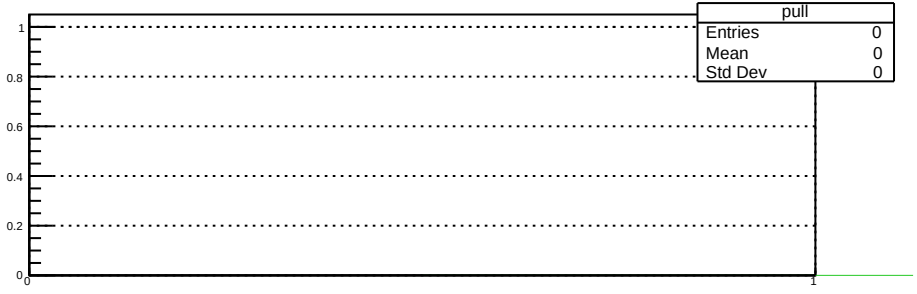
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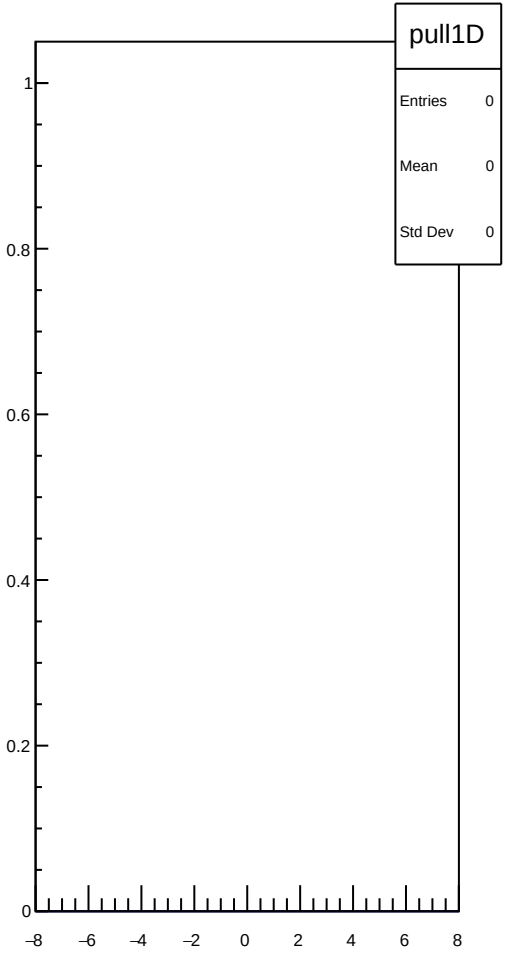
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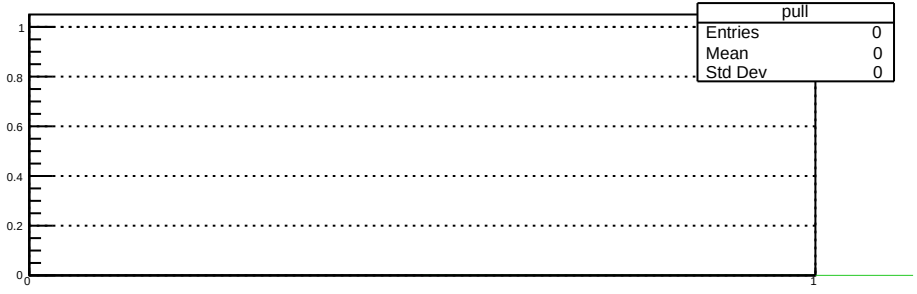
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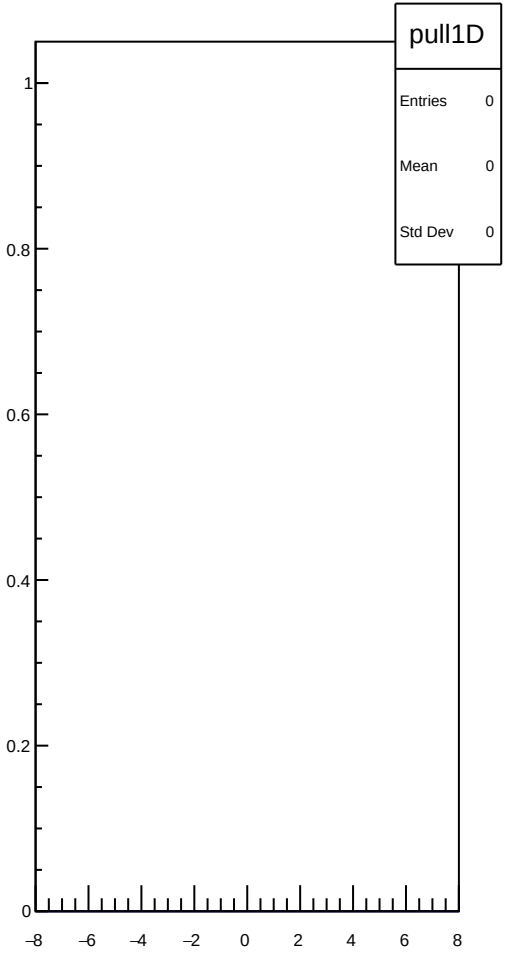
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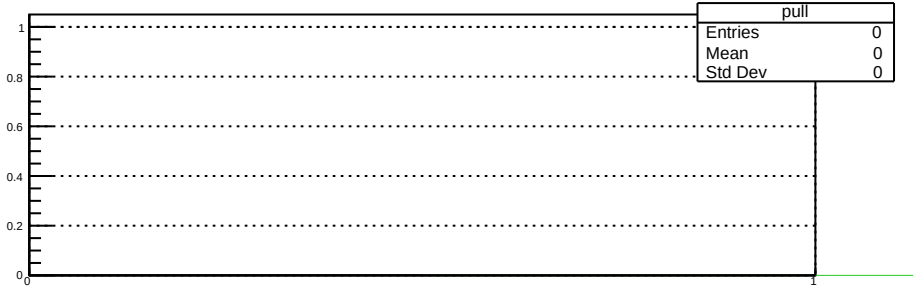
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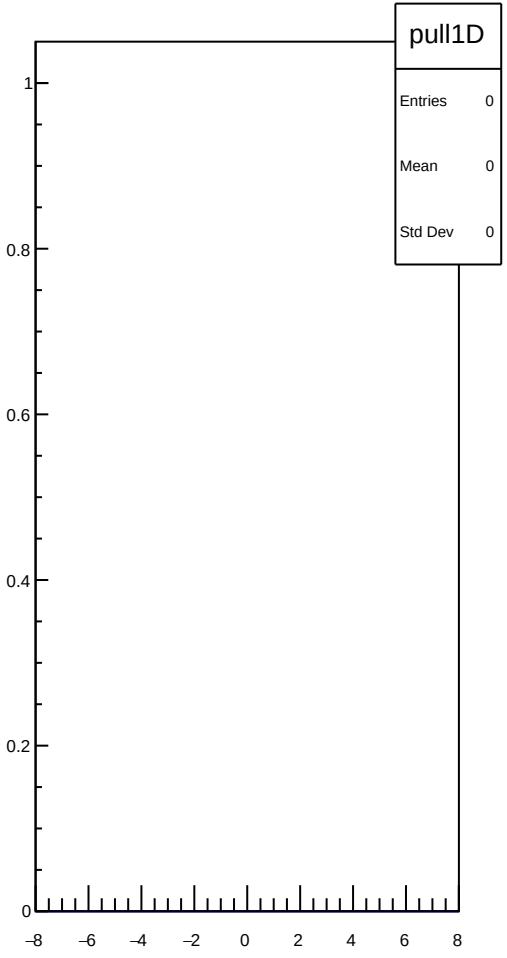
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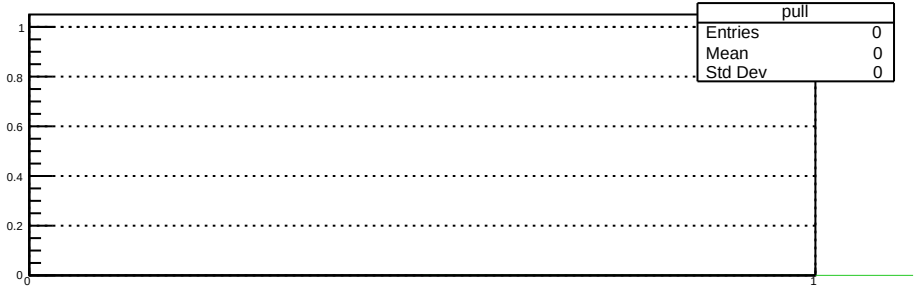
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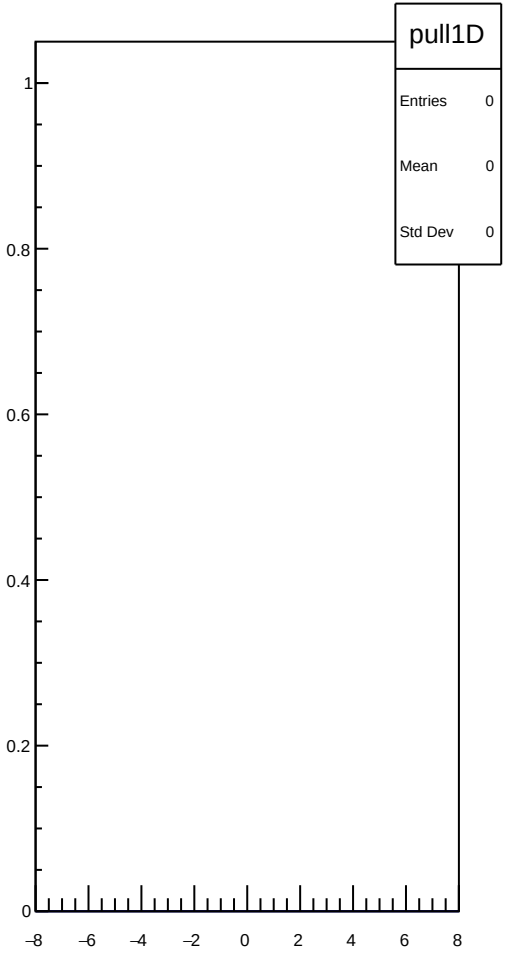
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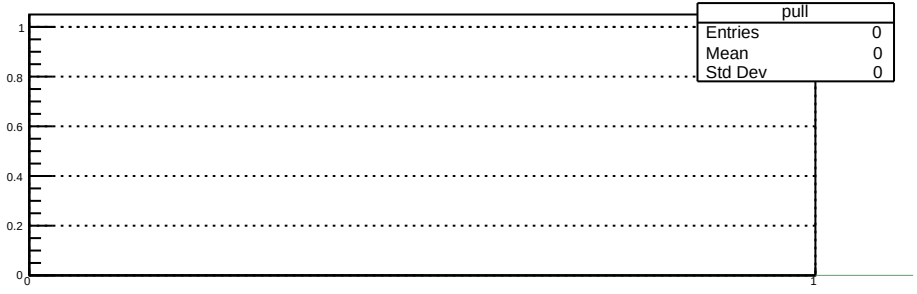
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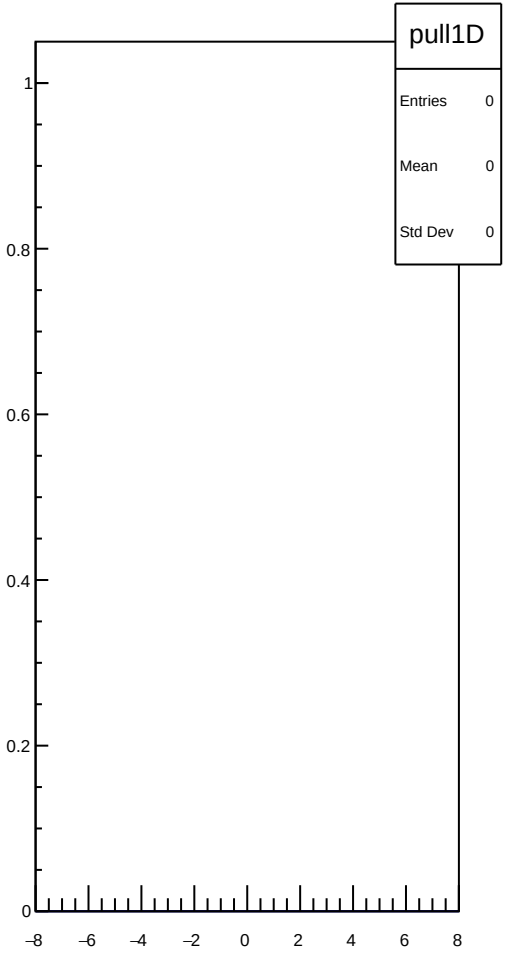
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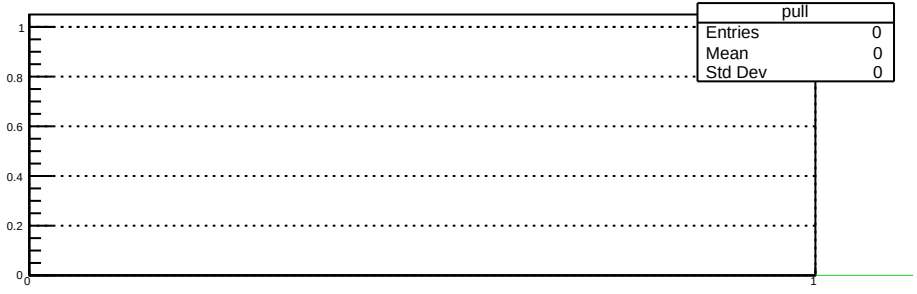
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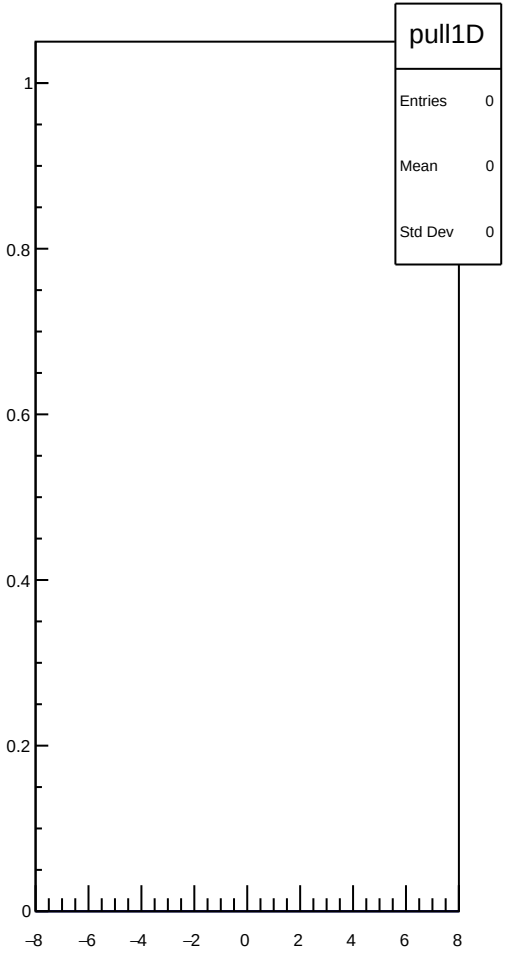
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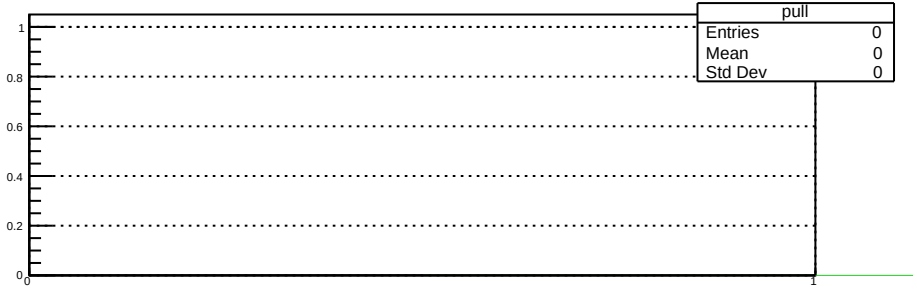
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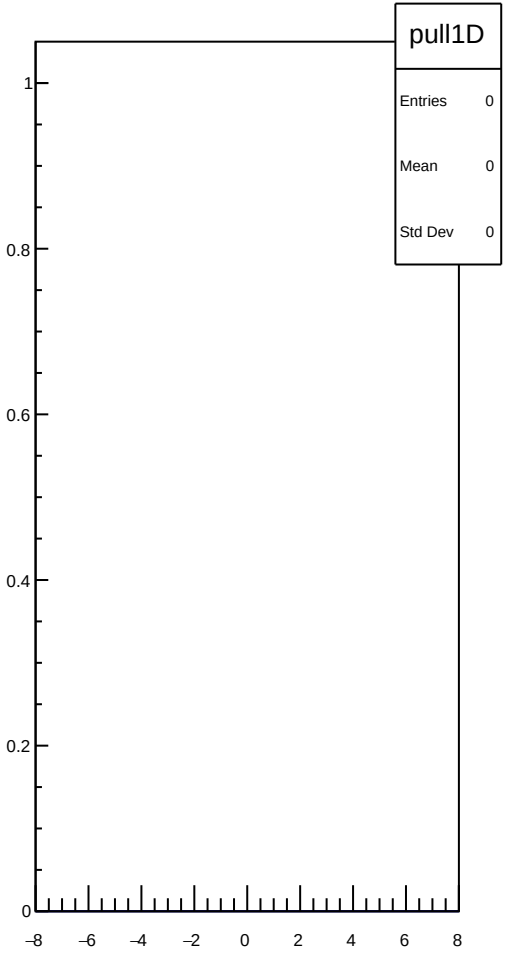
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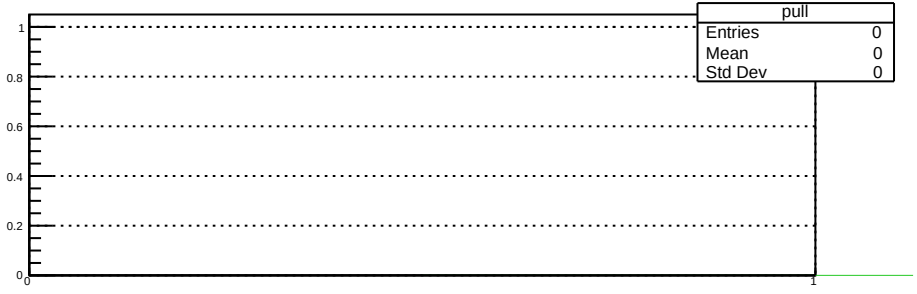
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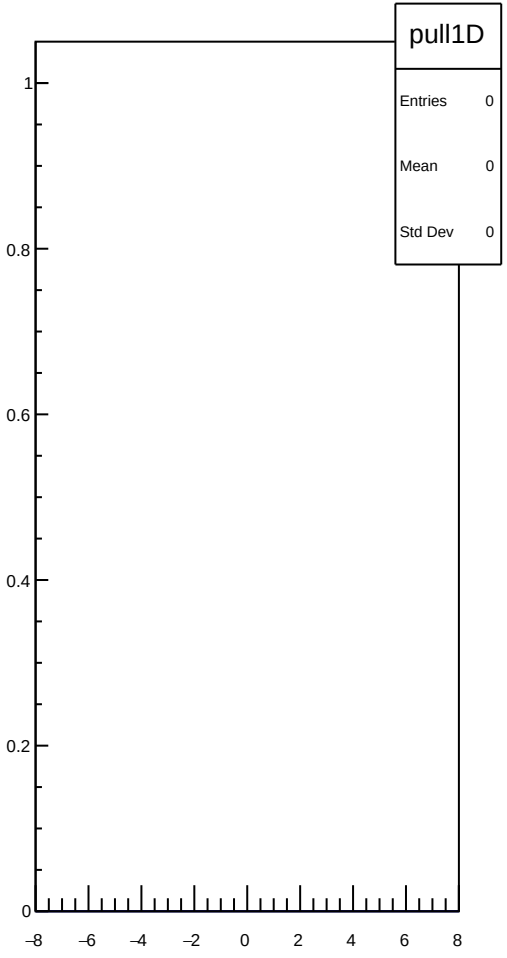
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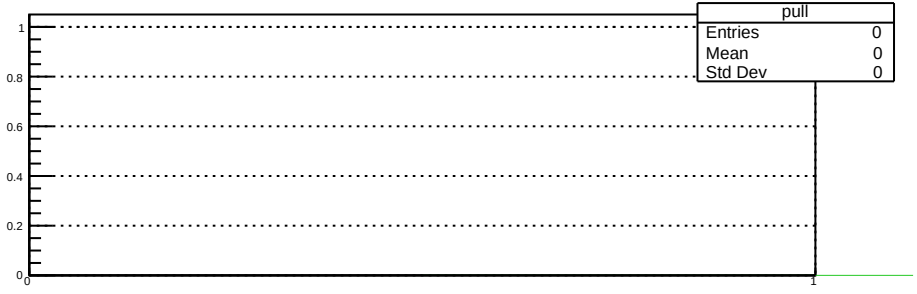
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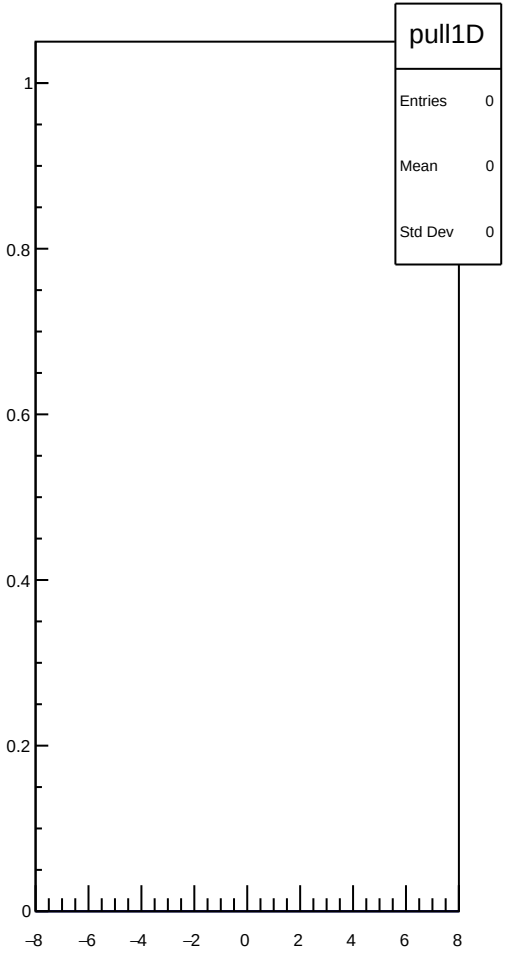
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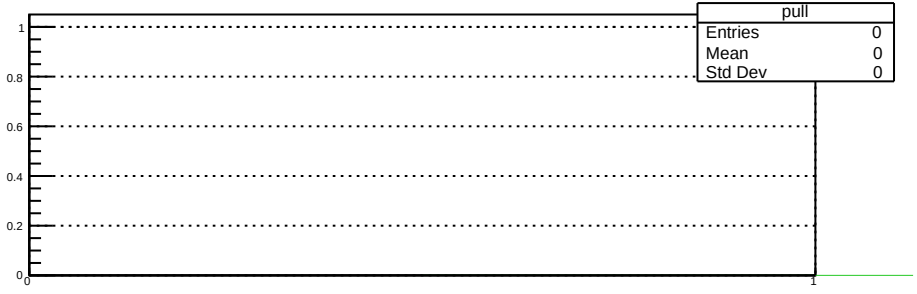
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Std Dev 0
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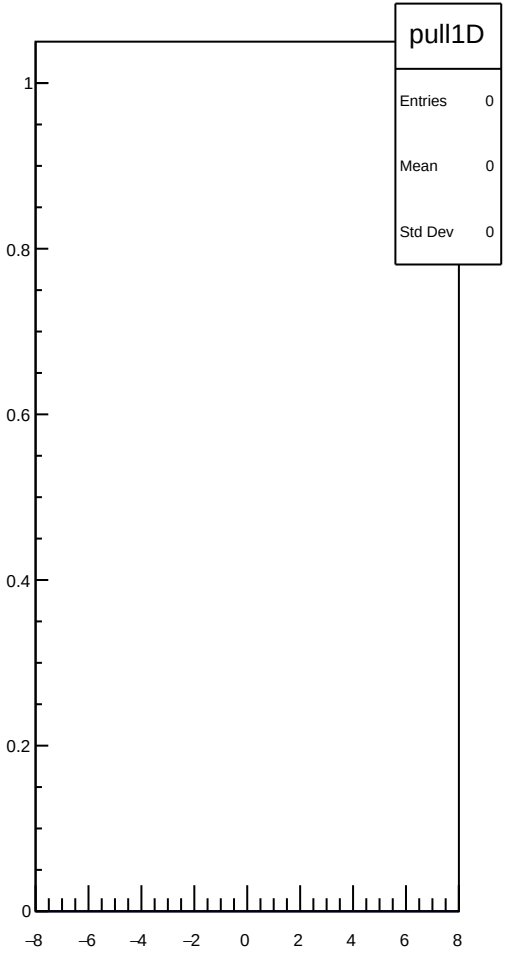
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Std Dev 0
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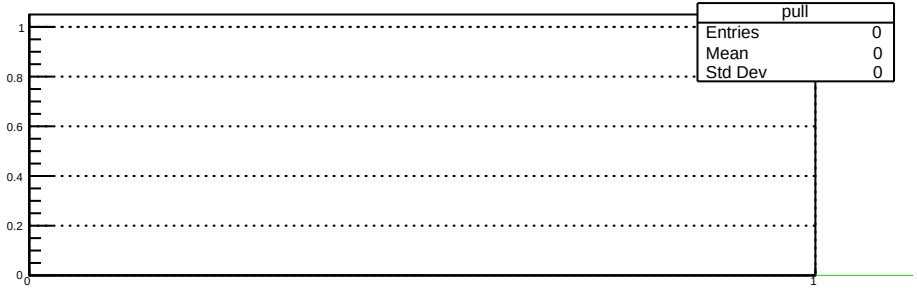
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Std Dev 0
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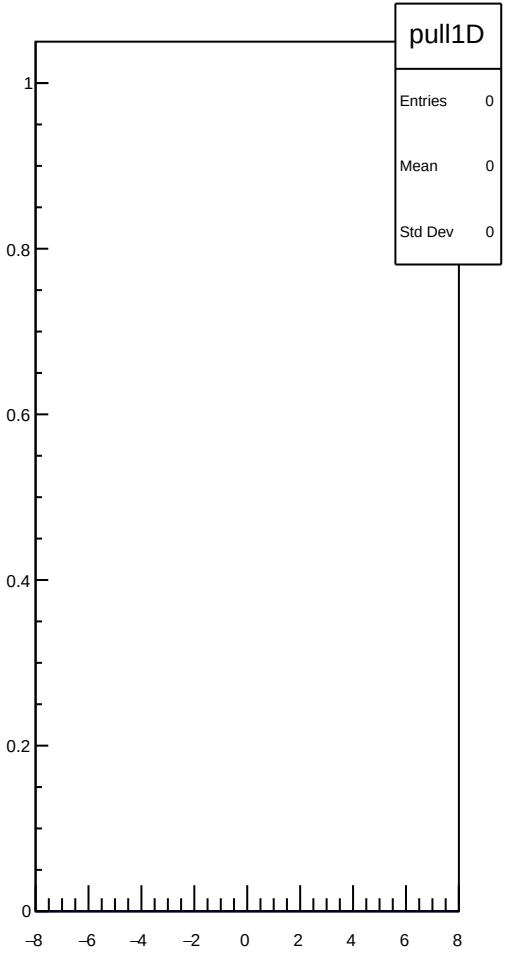
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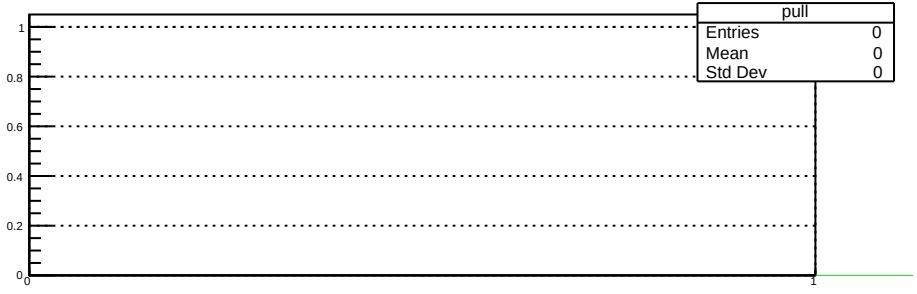
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Std Dev 0
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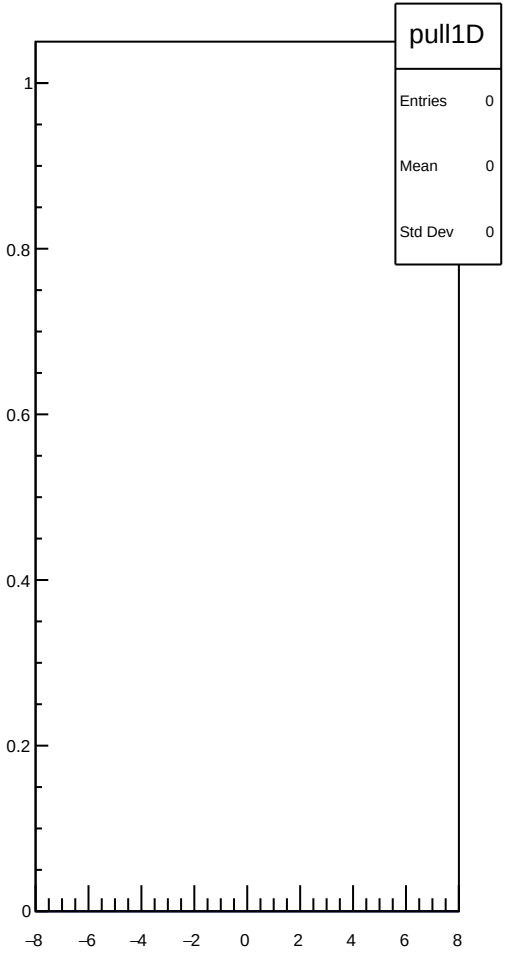
pull1D
Entries 0
Mean 0
Std Dev 0
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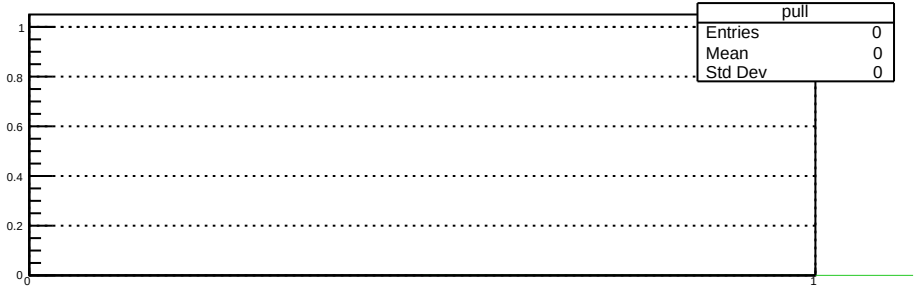
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Std Dev 0
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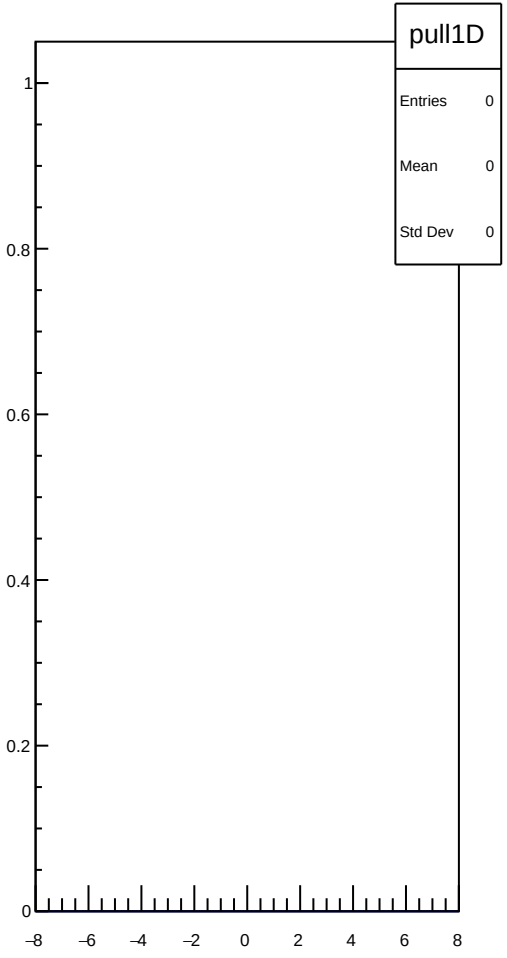
pull1D
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Mean 0
Std Dev 0
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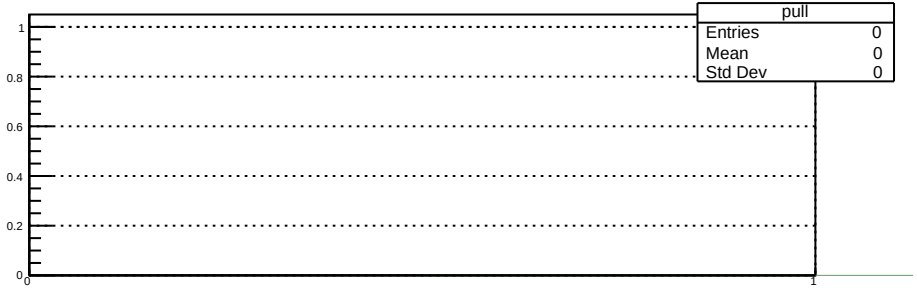
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Std Dev 0
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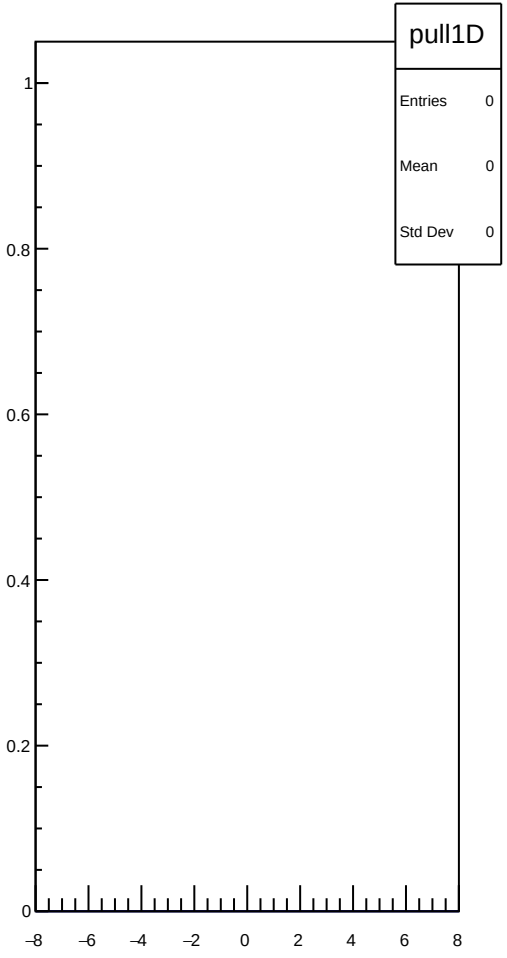
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Std Dev 0
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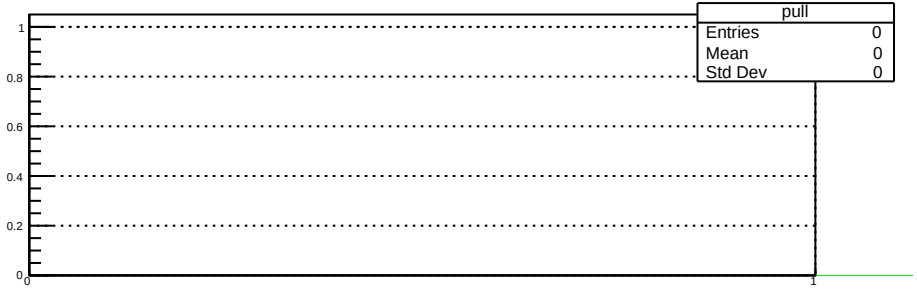
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Std Dev 0
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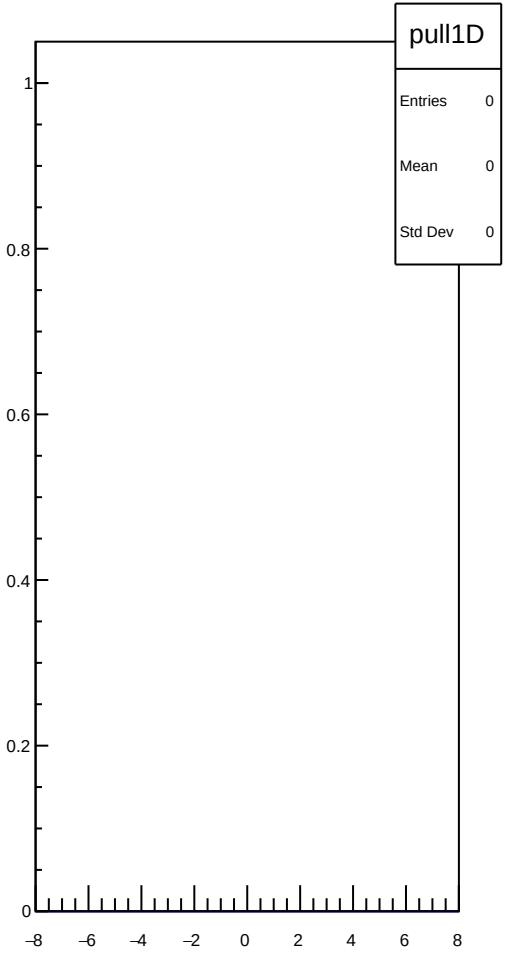
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Std Dev 0
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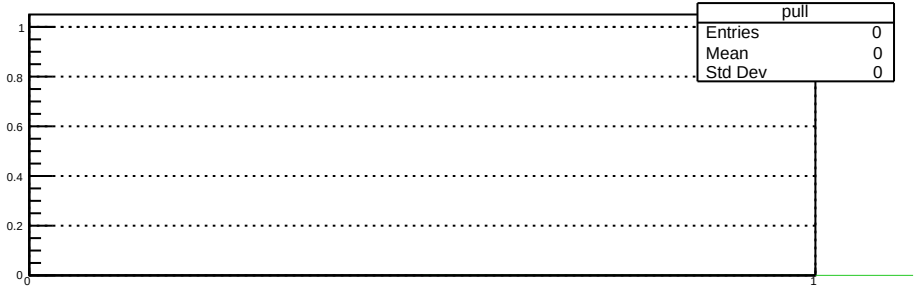
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Std Dev 0
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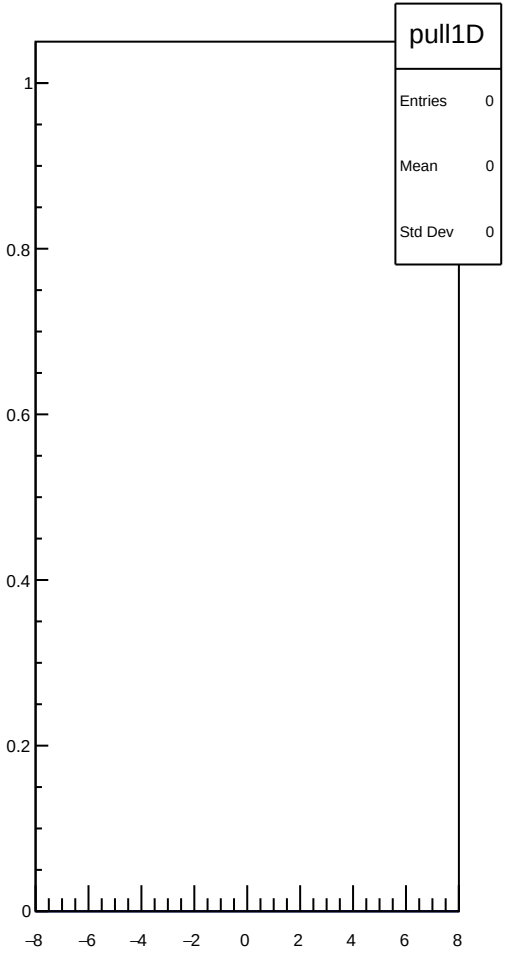
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Std Dev 0
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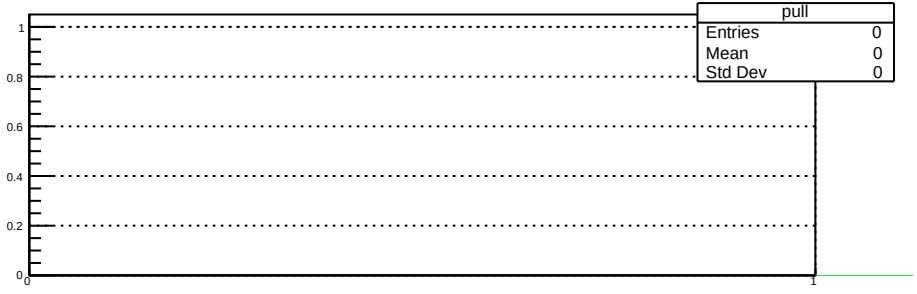
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Std Dev 0
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0.2
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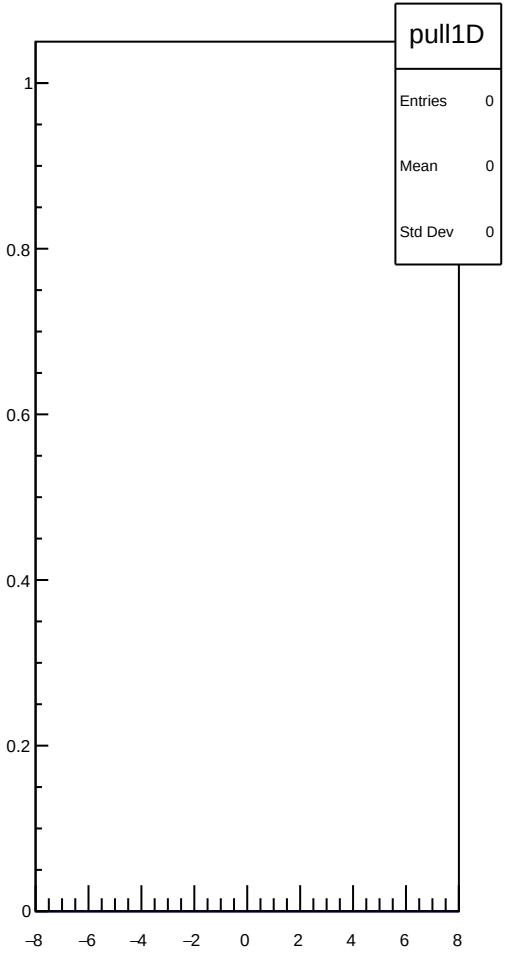
pull1D
Entries 0
Mean 0
Std Dev 0
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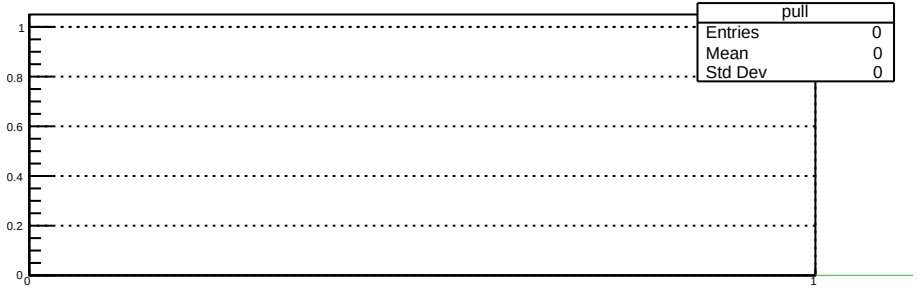
pull
Entries 0
Mean 0
Std Dev 0
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0.6
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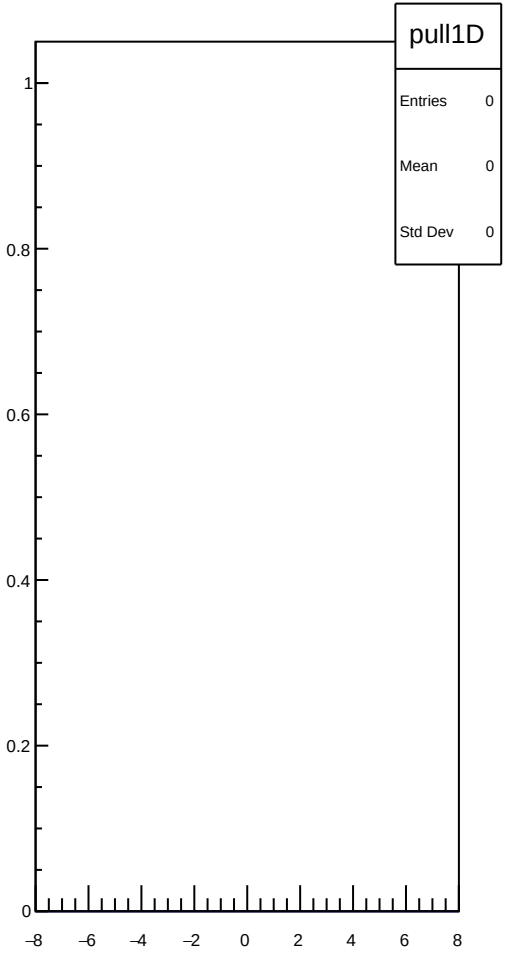
pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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6
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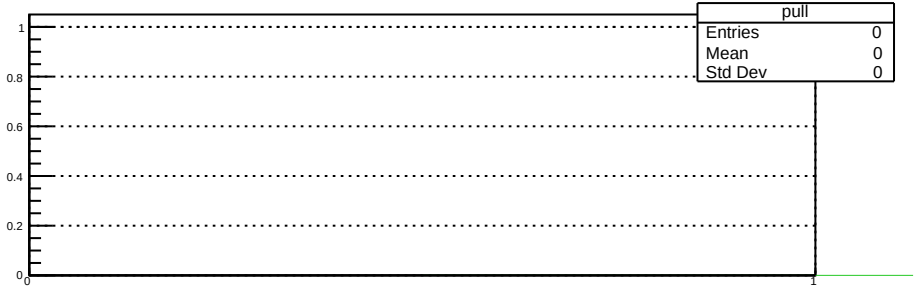
pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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0
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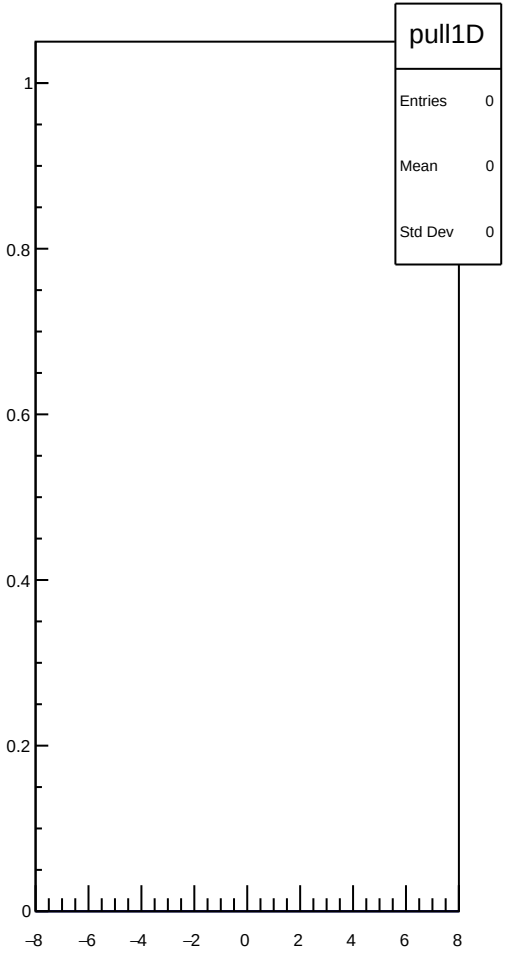
pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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2
4
6
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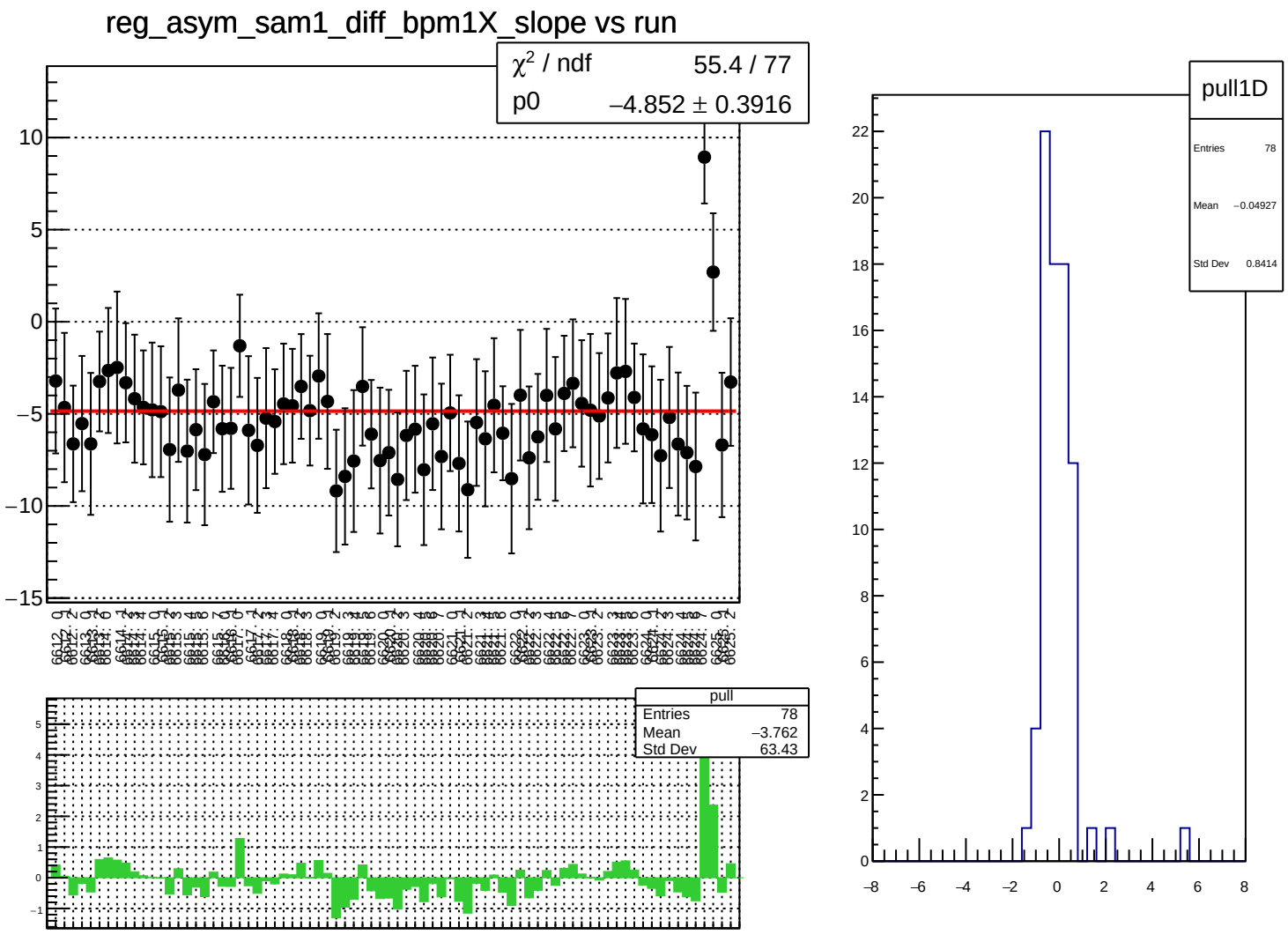
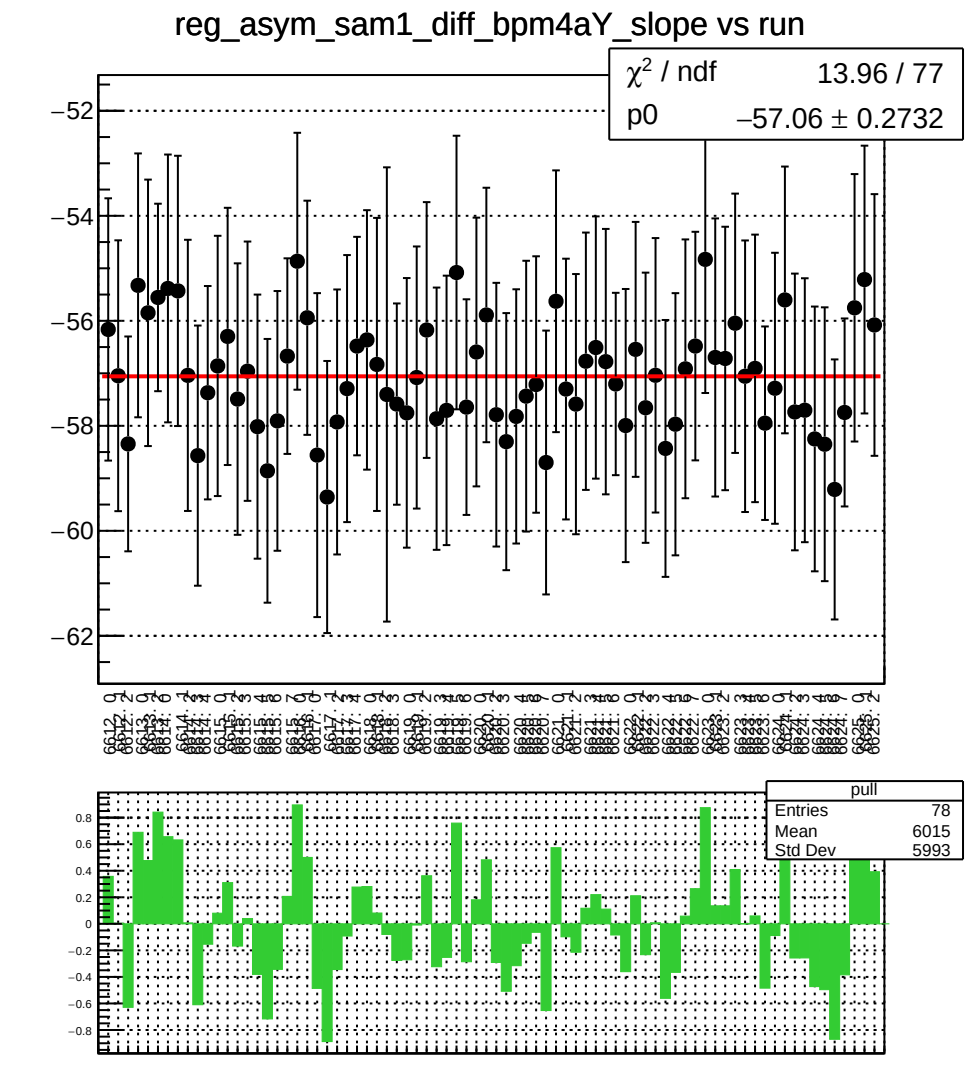
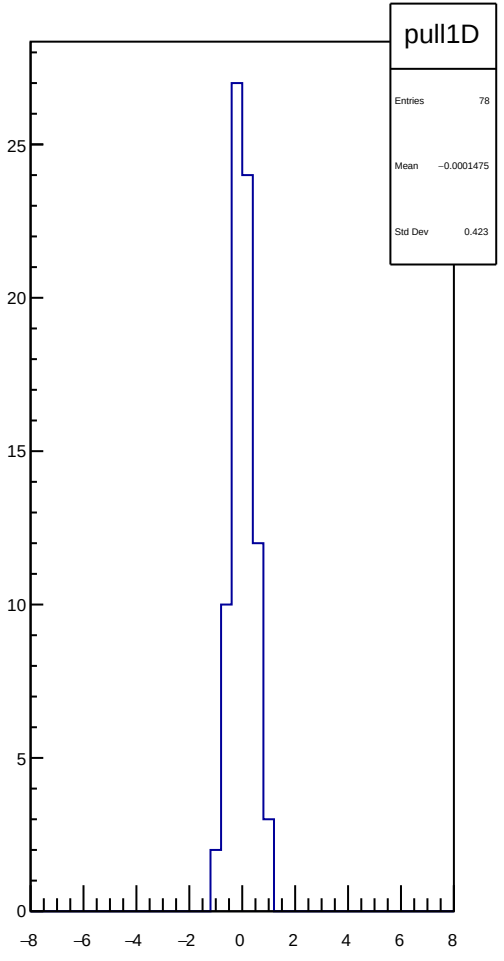
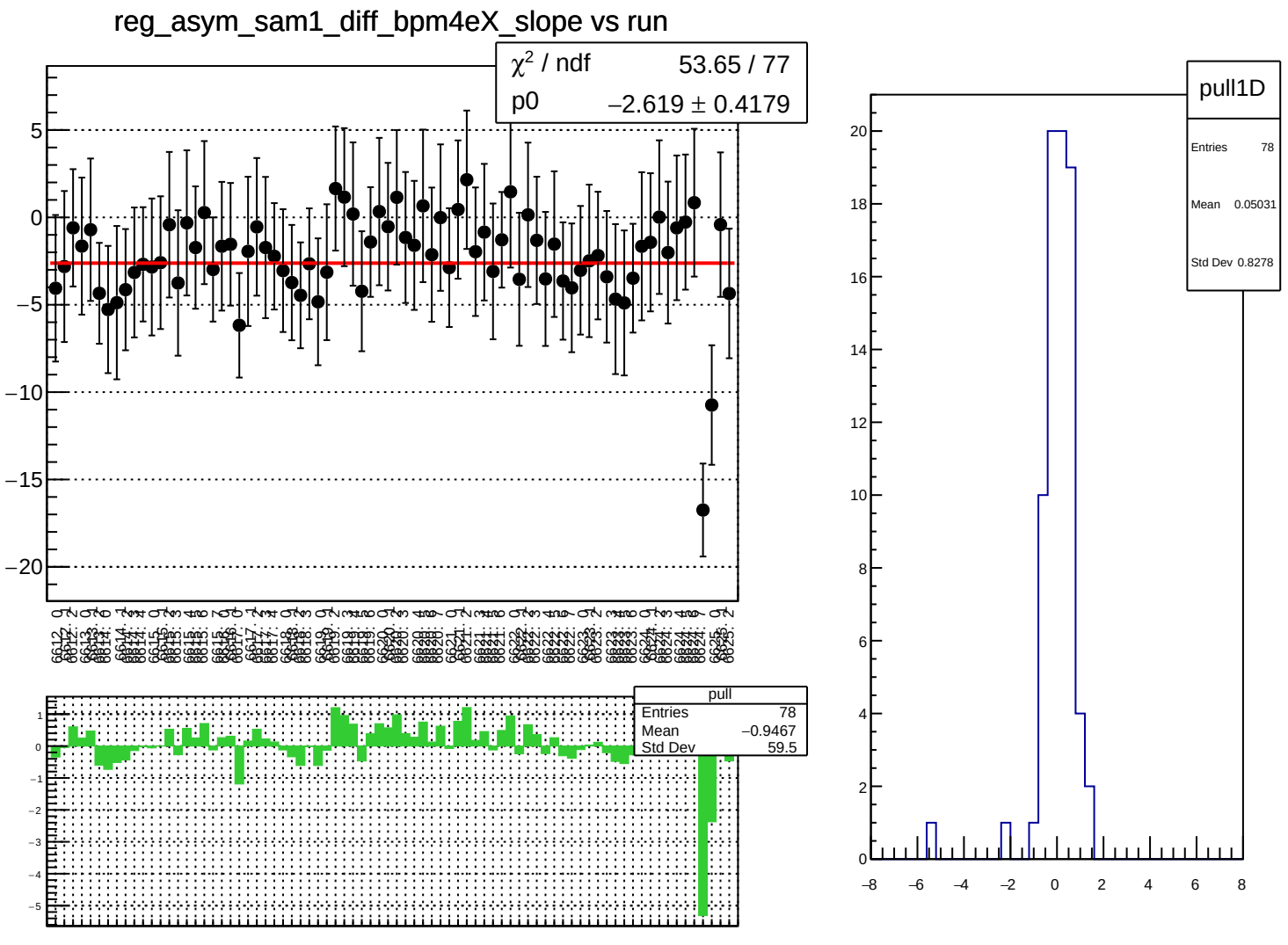
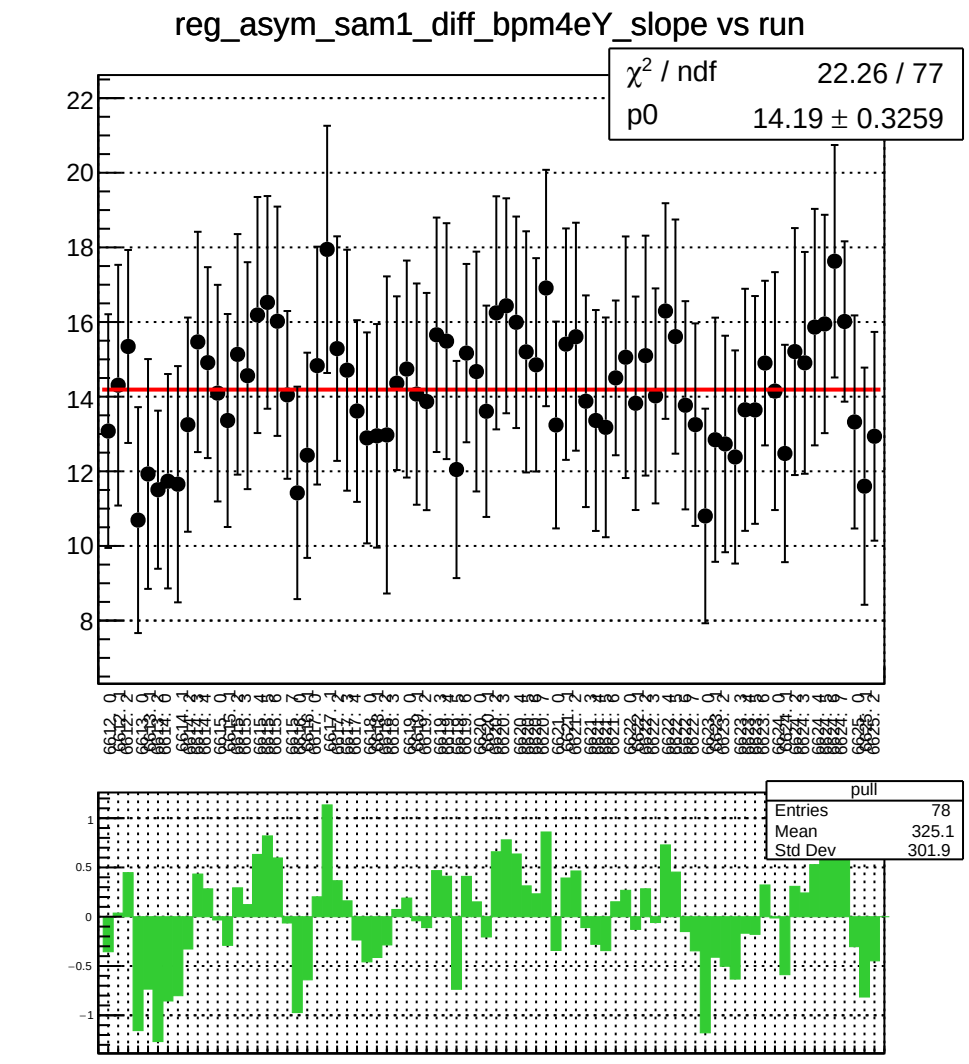
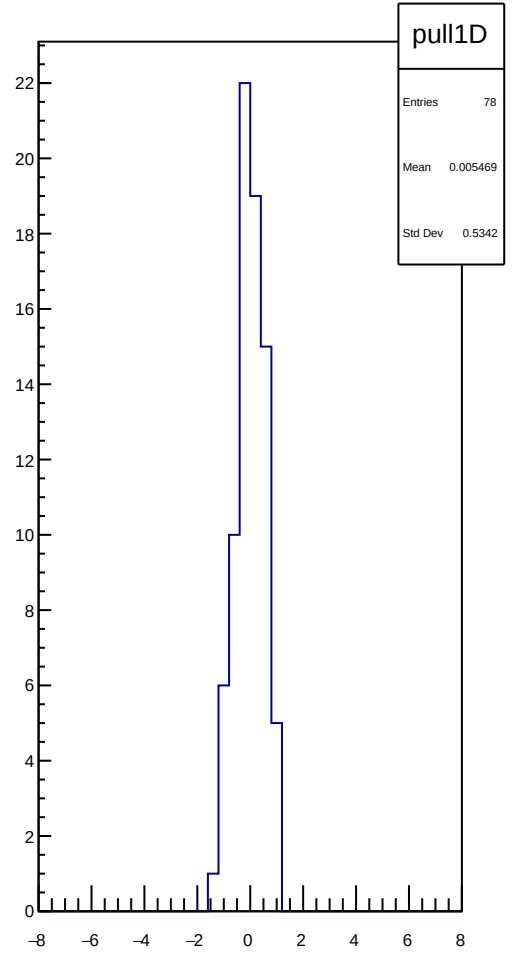

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 55.4 / 77
p0 −4.852 ± 0.3916
pull
Entries 78
Mean −3.762
Std Dev 63.43
pull1D
Entries 78
Mean −0.04927
Std Dev 0.8414

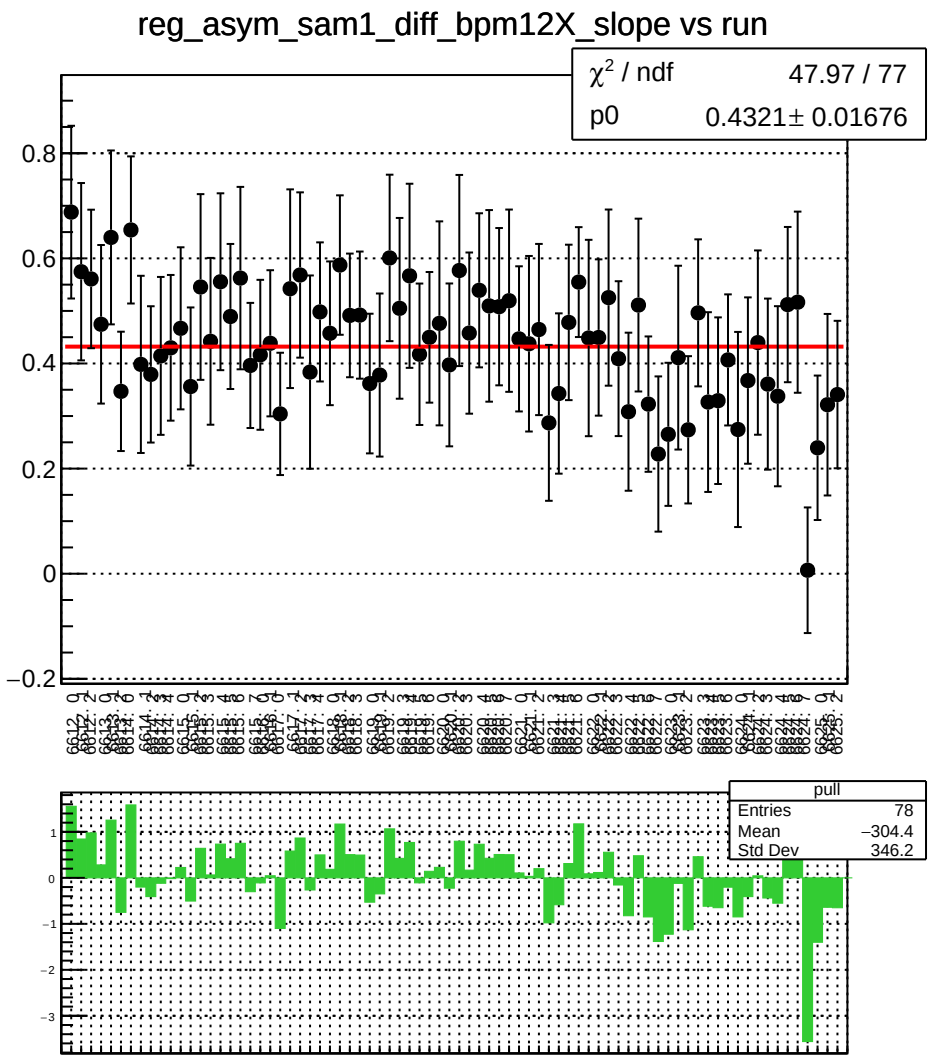

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 13.96 / 77
p0 −57.06 ± 0.2732
pull
Entries 78
Mean 6015
Std Dev 5993

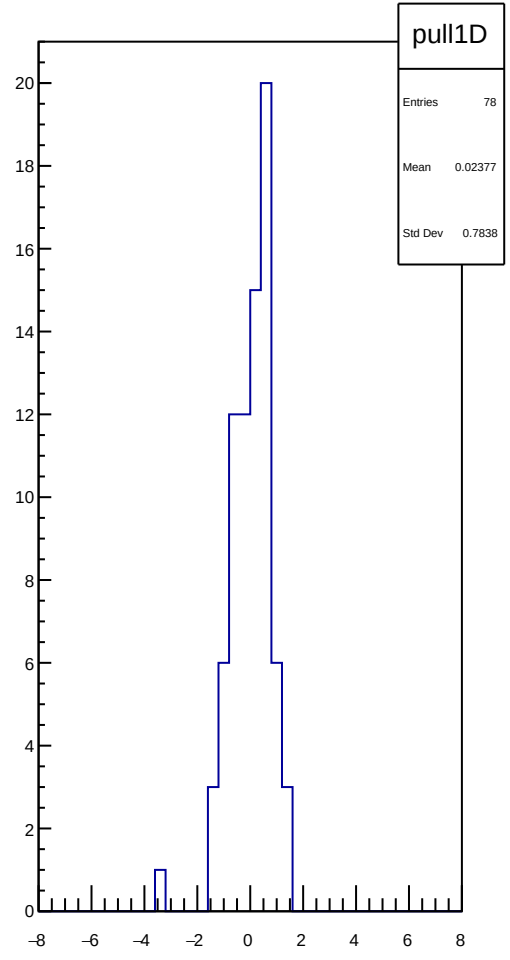

pull1D
Entries 78
Mean −0.0001475
Std Dev 0.423

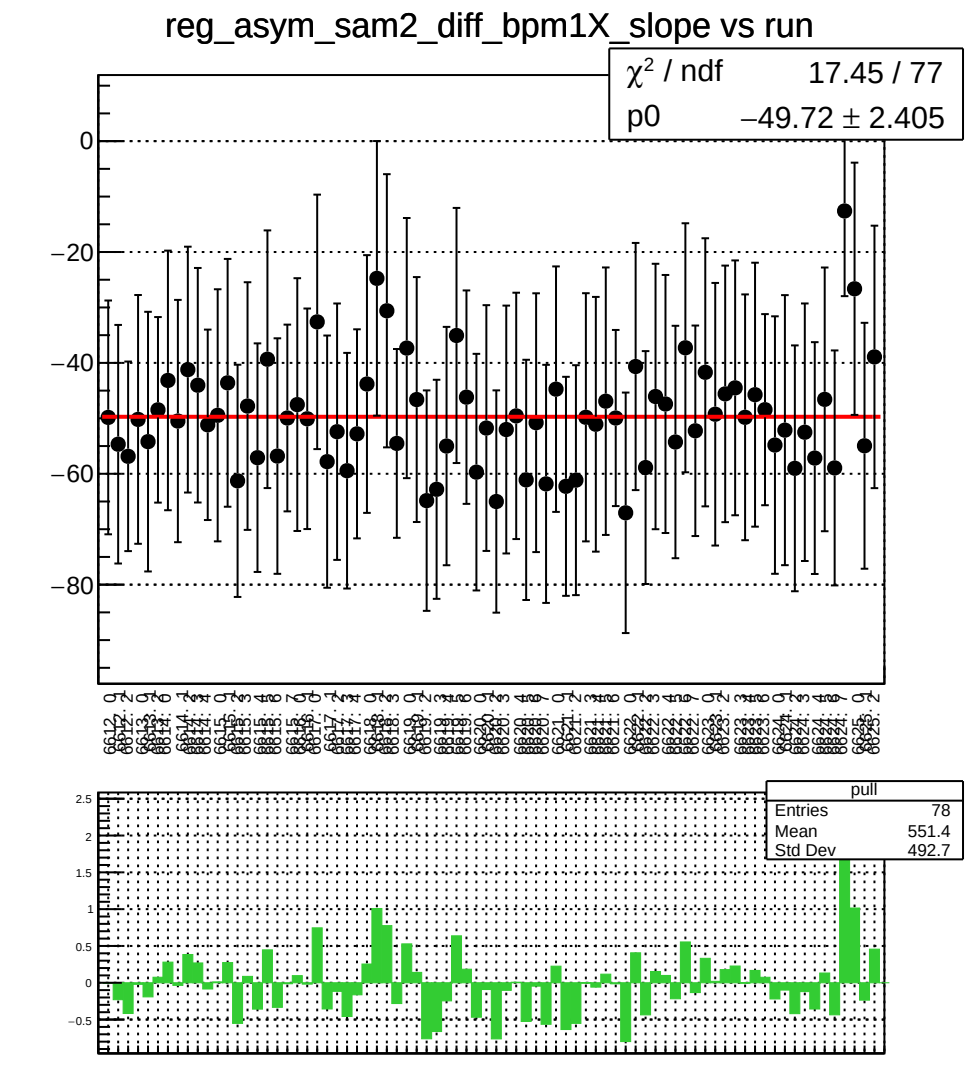

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 53.65 / 77
p0 −2.619 ± 0.4179
pull
Entries 78
Mean −0.9467
Std Dev 59.5
pull1D
Entries 78
Mean 0.05031
Std Dev 0.8278

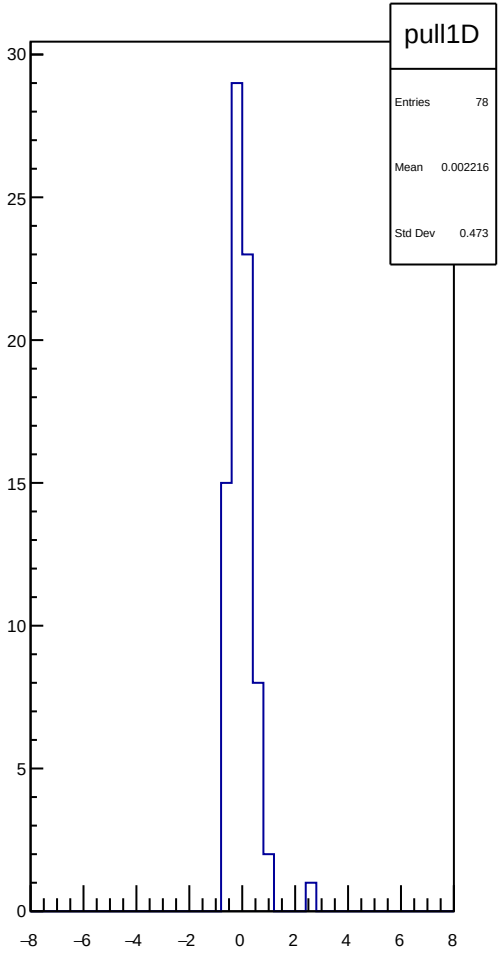

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 22.26 / 77
p0 14.19 ± 0.3259
pull
Entries 78
Mean 325.1
Std Dev 301.9

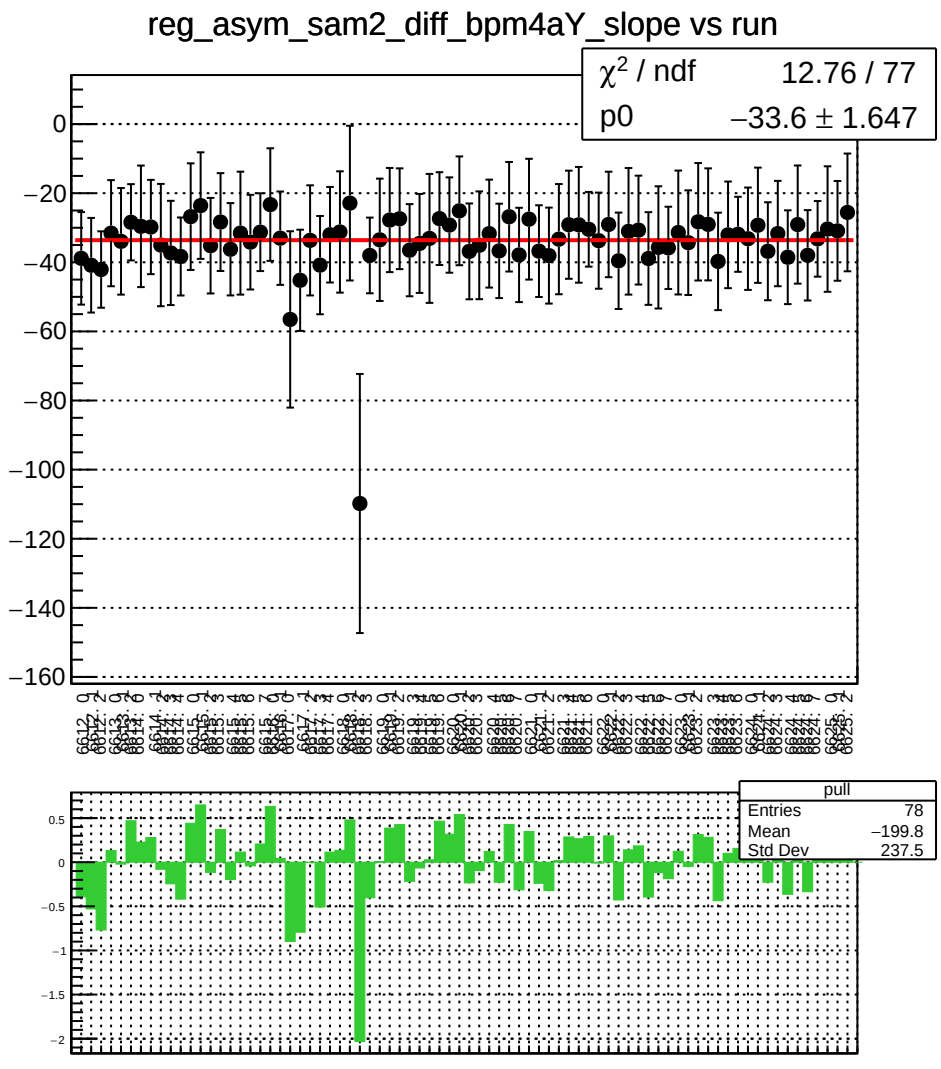

pull1D
Entries 78
Mean 0.005469
Std Dev 0.5342

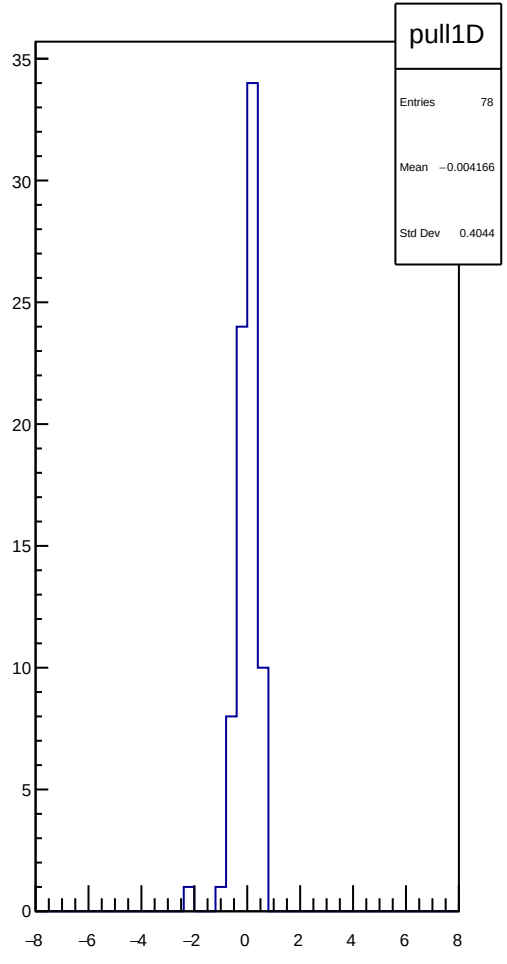

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 47.97 / 77
p0 0.4321± 0.01676
pull
Entries 78
Mean −304.4
Std Dev 346.2


pull1D
Entries 78
Mean 0.02377
Std Dev 0.7838


reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 17.45 / 77
p0 −49.72 ± 2.405
pull
Entries 78
Mean 551.4
Std Dev 492.7


pull1D
Entries 78
Mean 0.002216
Std Dev 0.473


reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 12.76 / 77
p0 −33.6 ± 1.647
pull
Entries 78
Mean −199.8
Std Dev 237.5


pull1D
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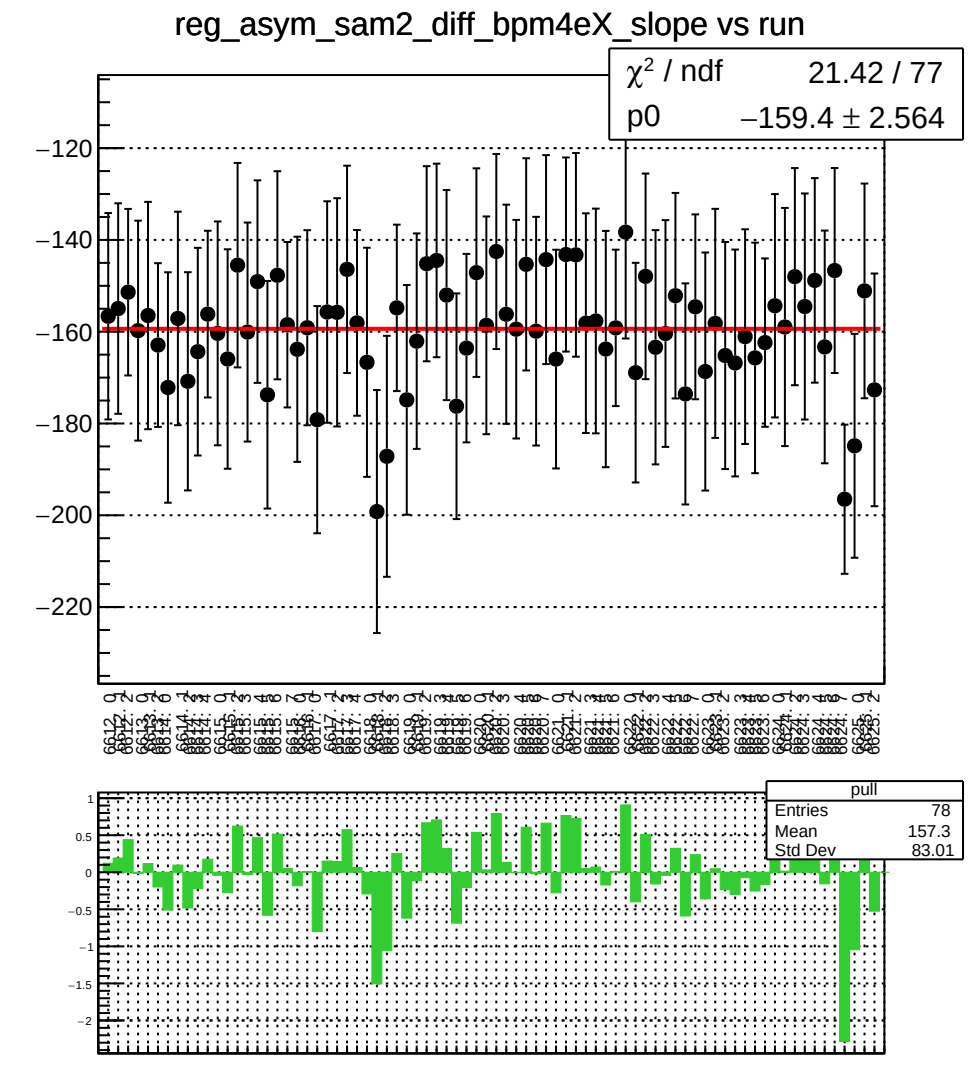
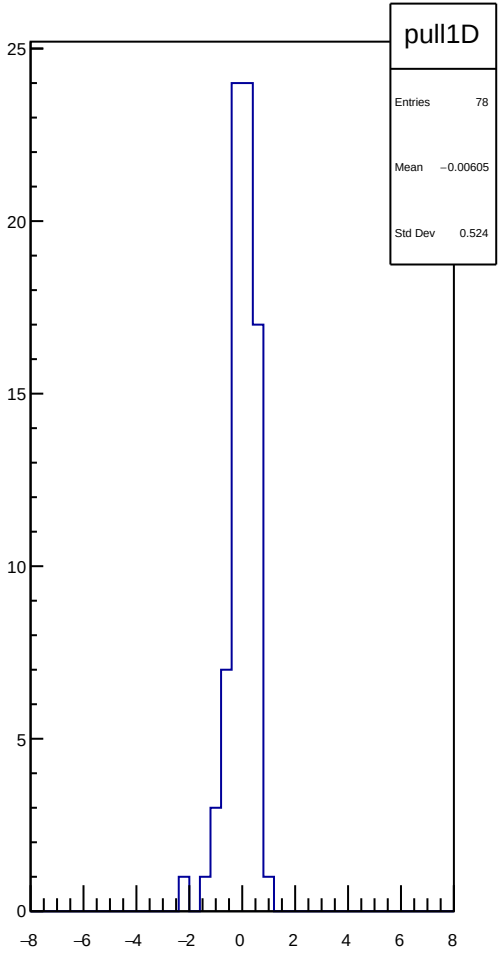
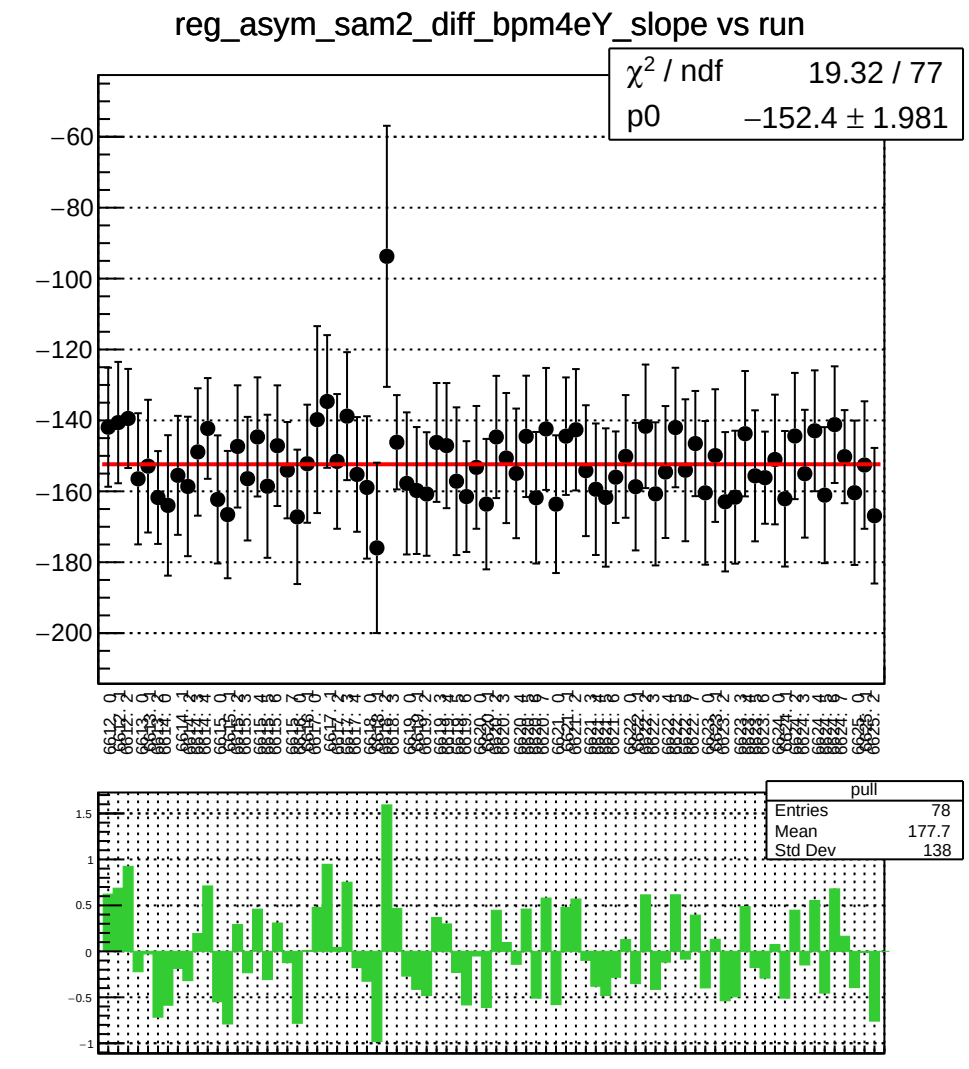
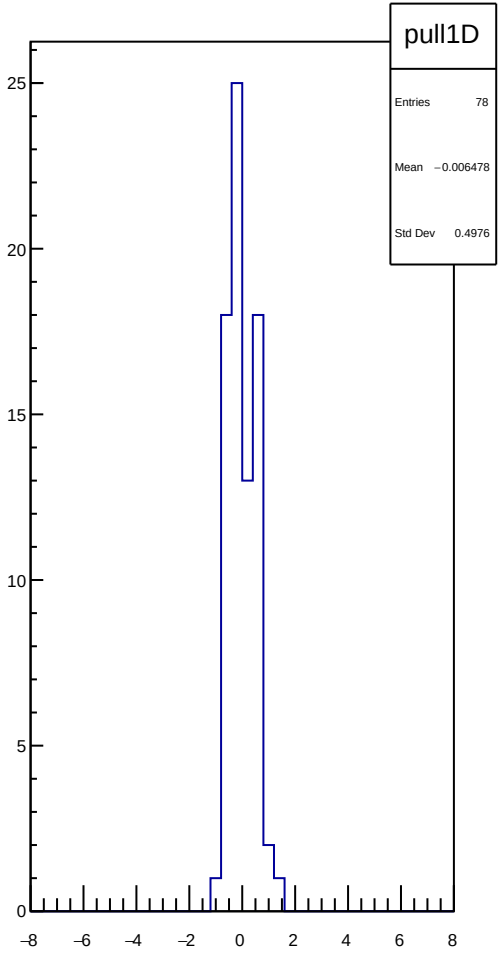
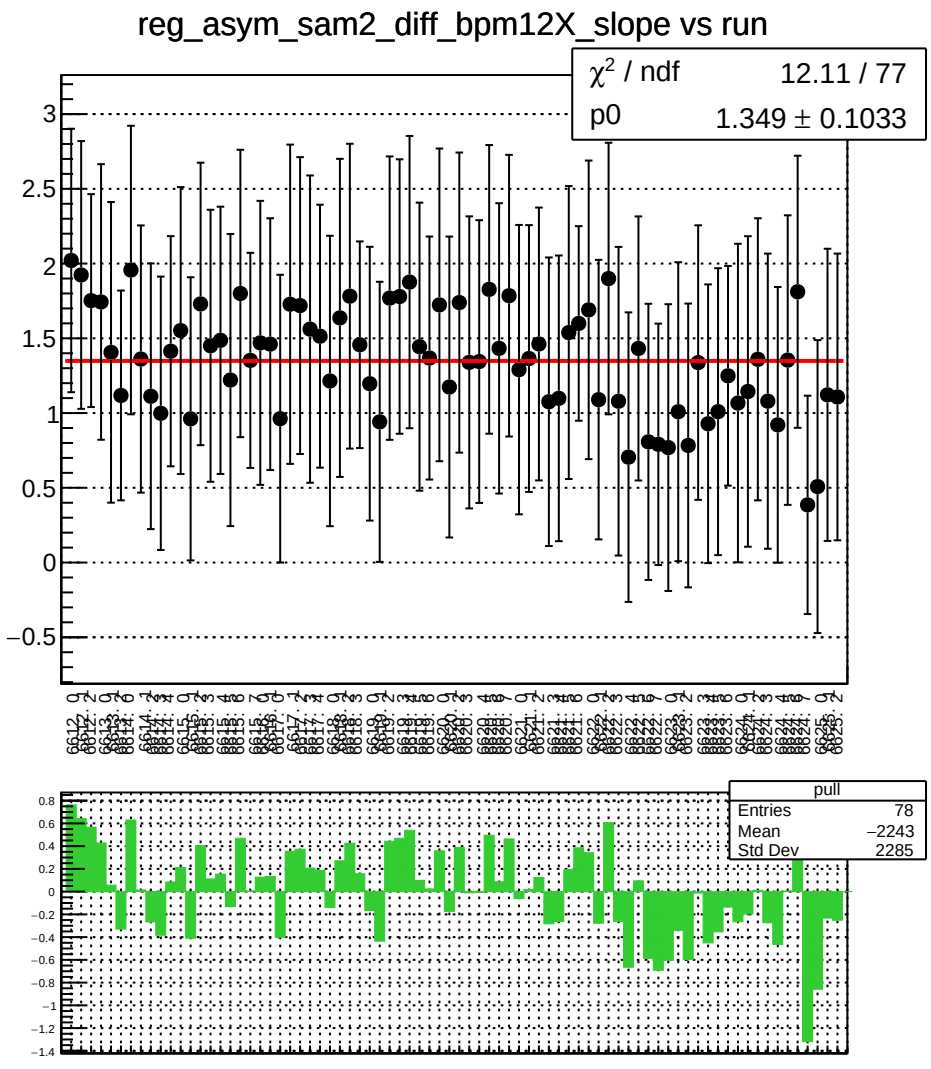
Mean −0.004166
Std Dev 0.4044

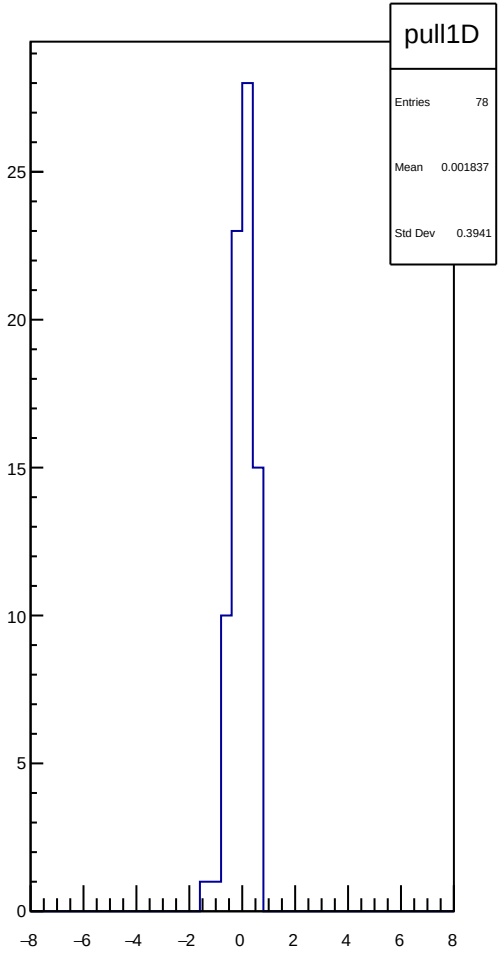

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 21.42 / 77
p0 −159.4 ± 2.564
pull
Entries 78
Mean 157.3
Std Dev 83.01

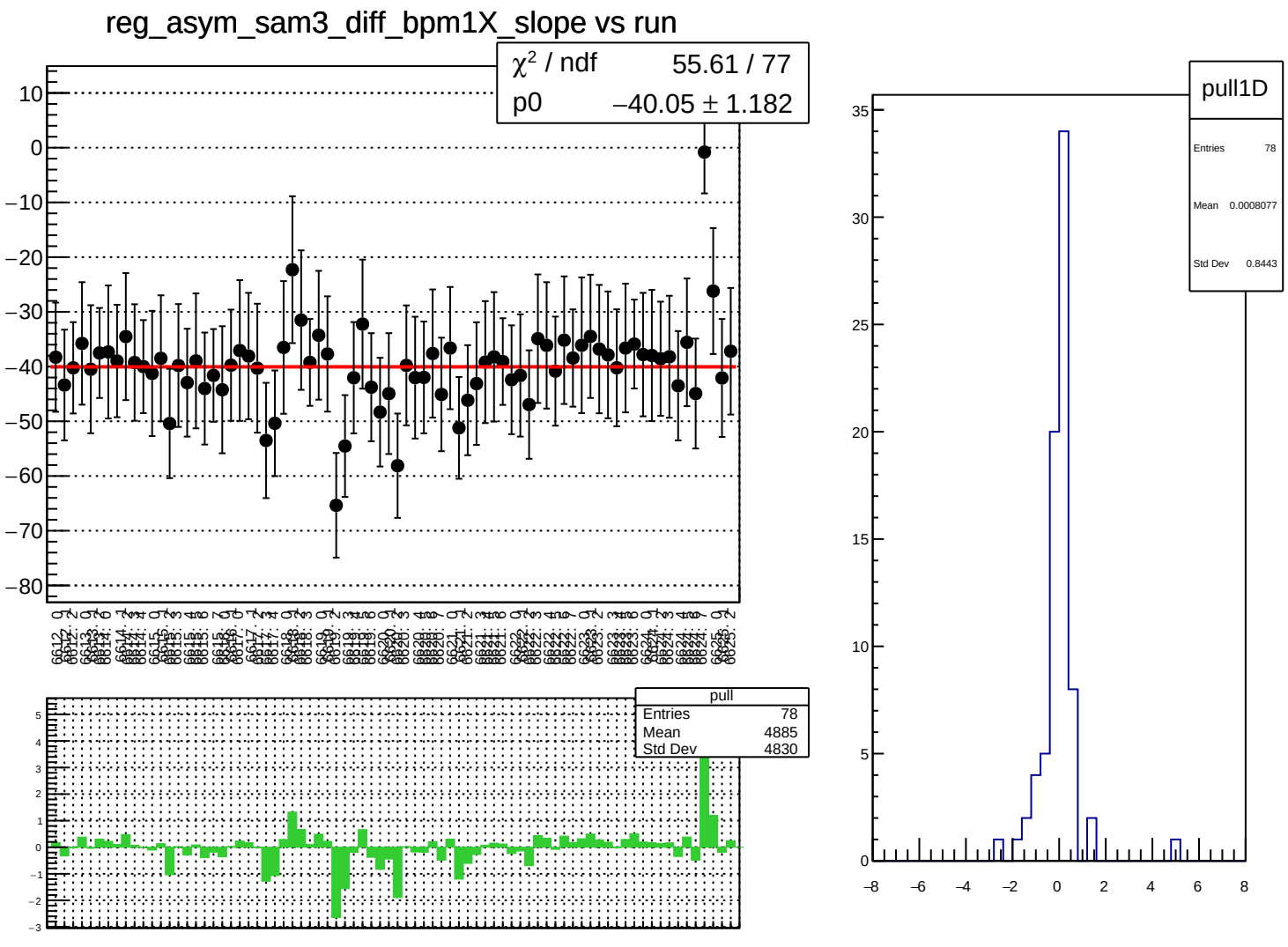

pull1D
Entries 78
Mean −0.00605
Std Dev 0.524

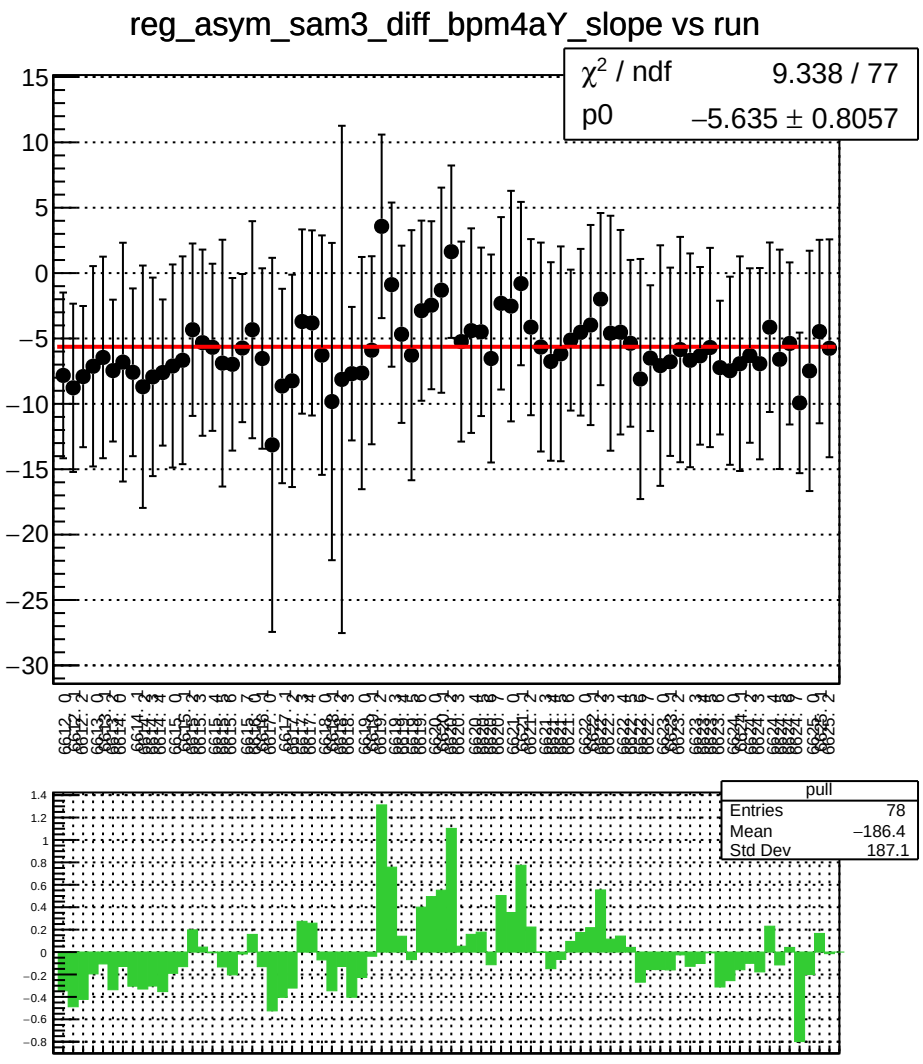

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 19.32 / 77
p0 −152.4 ± 1.981
pull
Entries 78
Mean 177.7
Std Dev 138

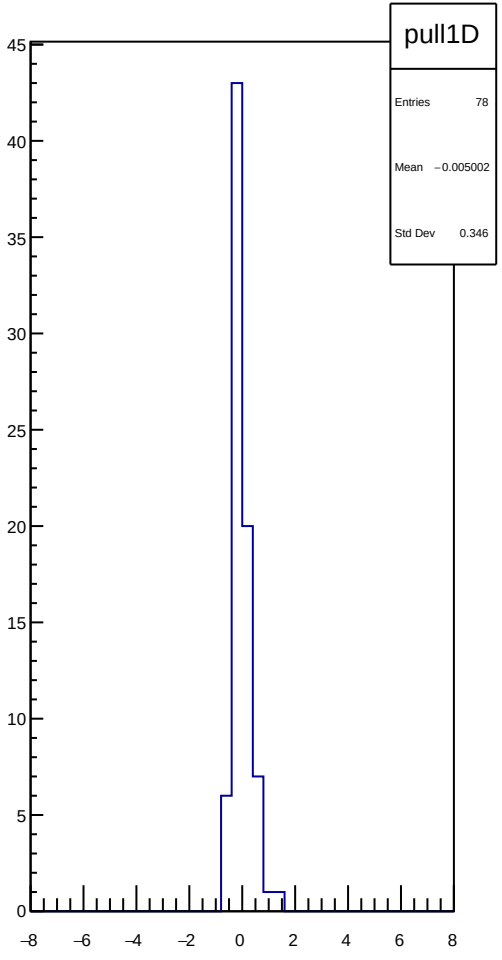

pull1D
Entries 78
Mean −0.006478
Std Dev 0.4976

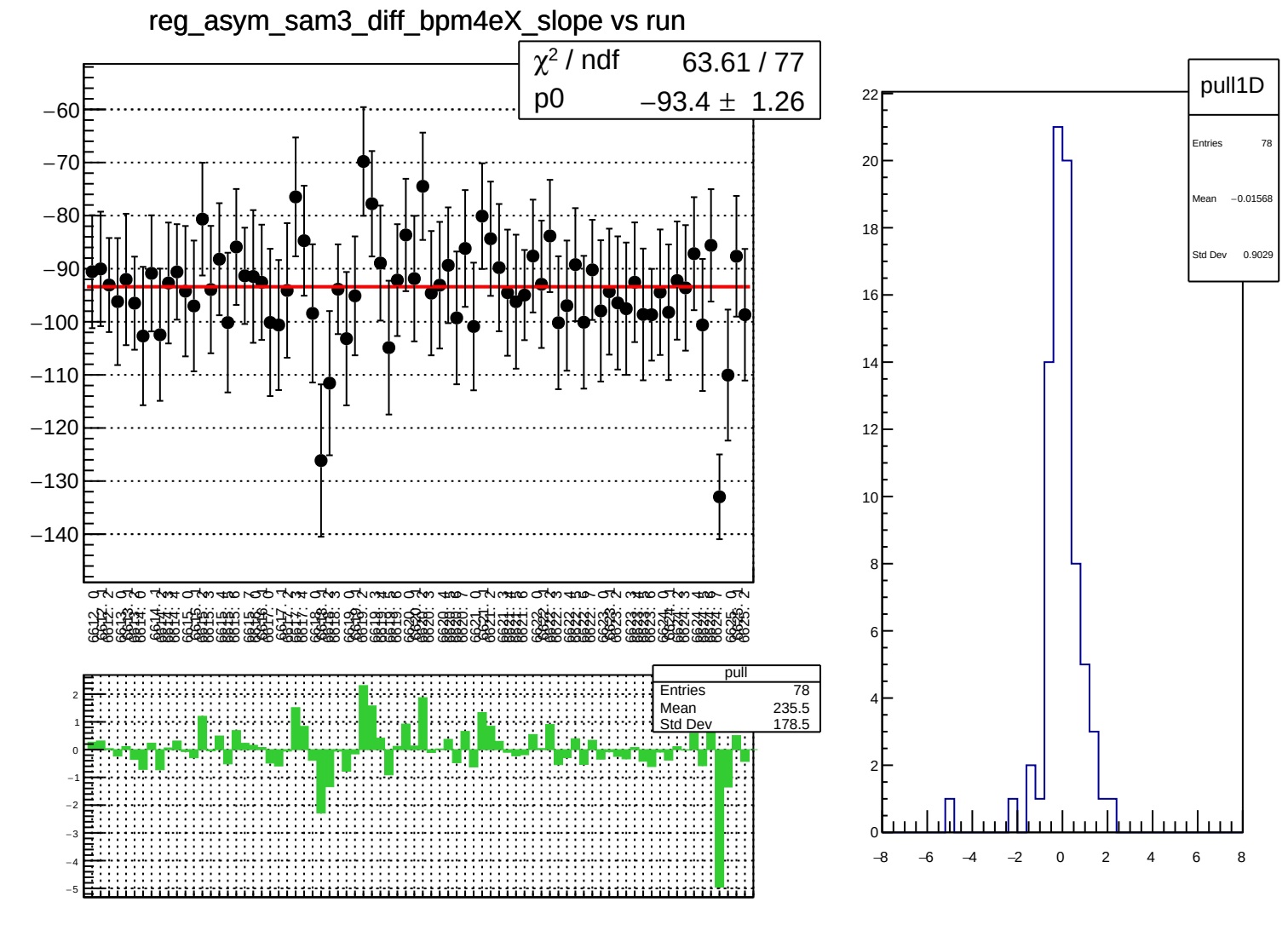

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 12.11 / 77
p0 1.349 ± 0.1033
pull
Entries 78
Mean −2243
Std Dev 2285

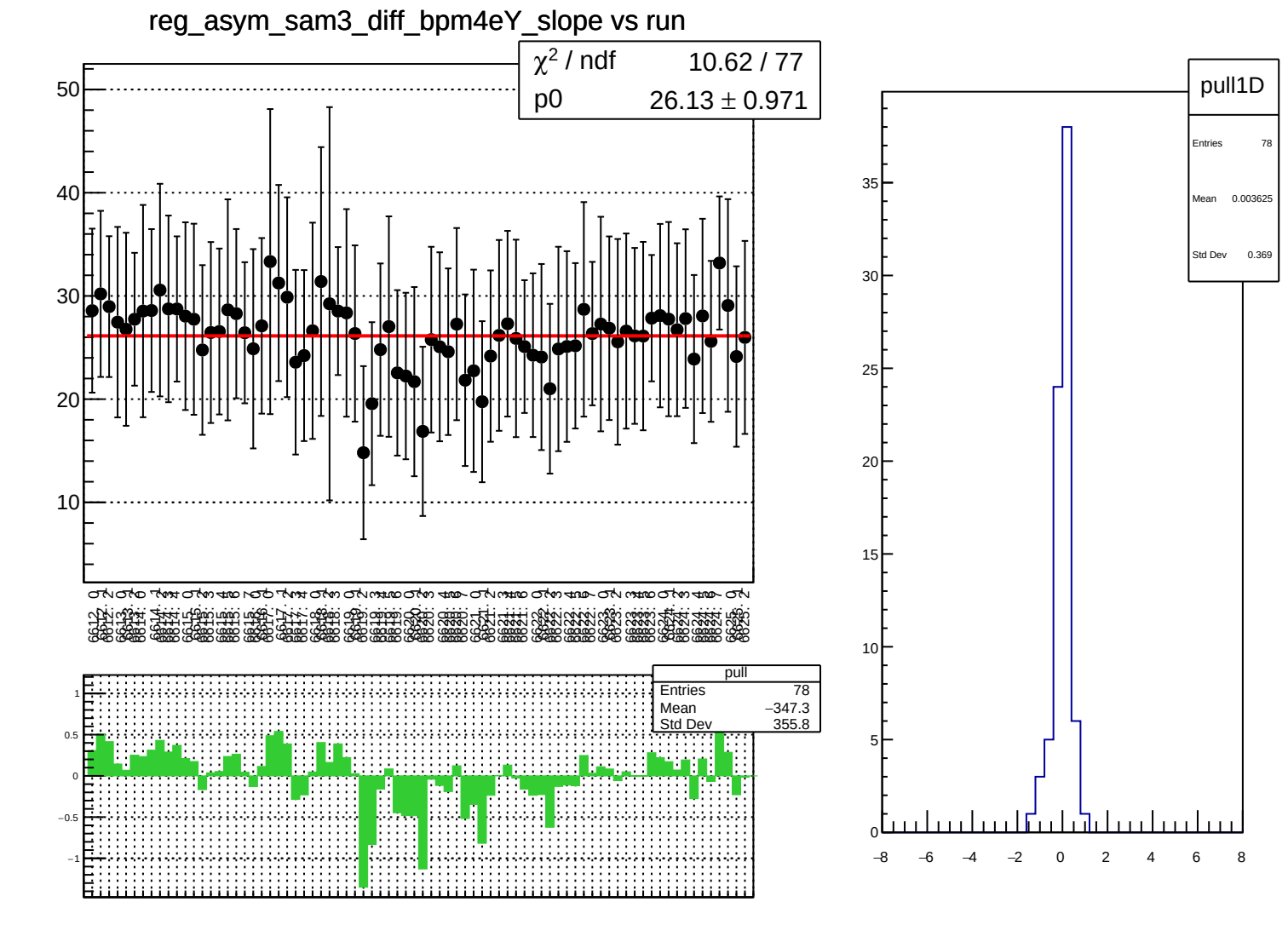

pull1D
Entries 78
Mean 0.001837
Std Dev 0.3941

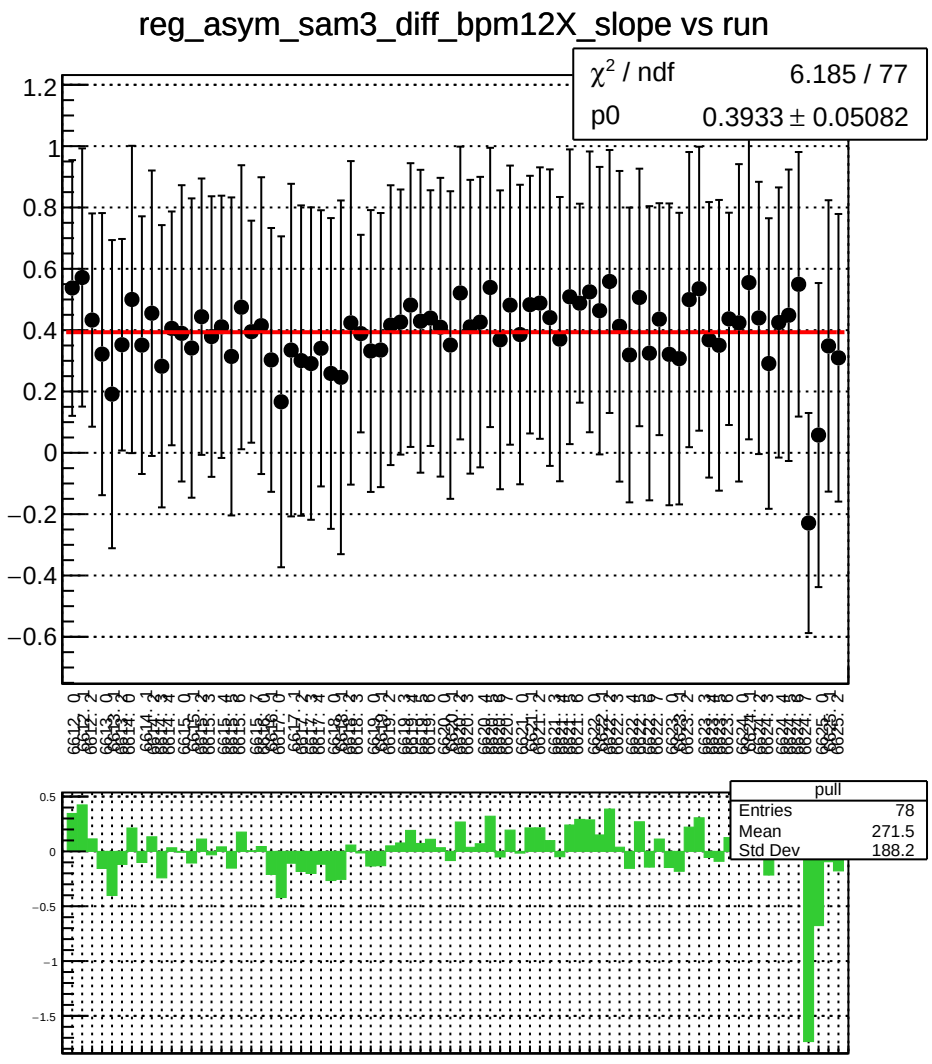

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 55.61 / 77
p0 −40.05 ± 1.182
pull
Entries 78
Mean 4885
Std Dev 4830
pull1D
Entries 78
Mean 0.0008077
Std Dev 0.8443

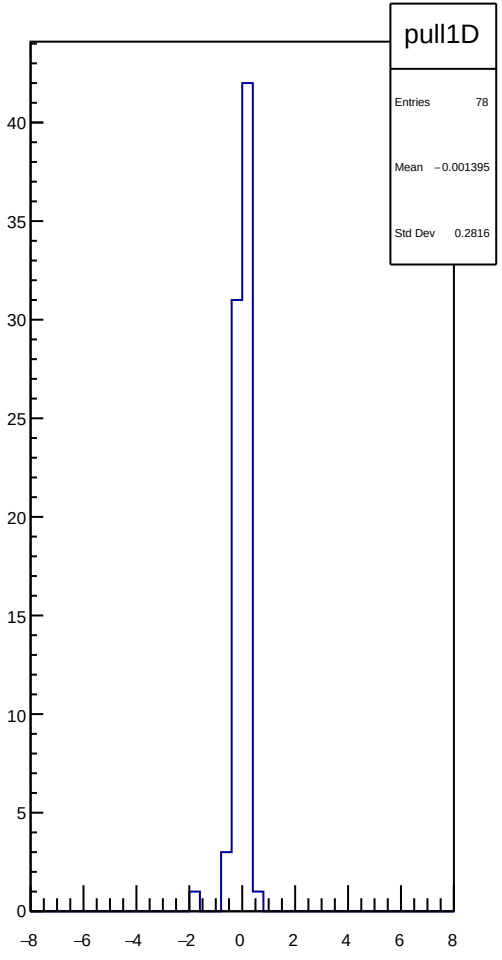

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 9.338 / 77
p0 −5.635 ± 0.8057
pull
Entries 78
Mean −186.4
Std Dev 187.1

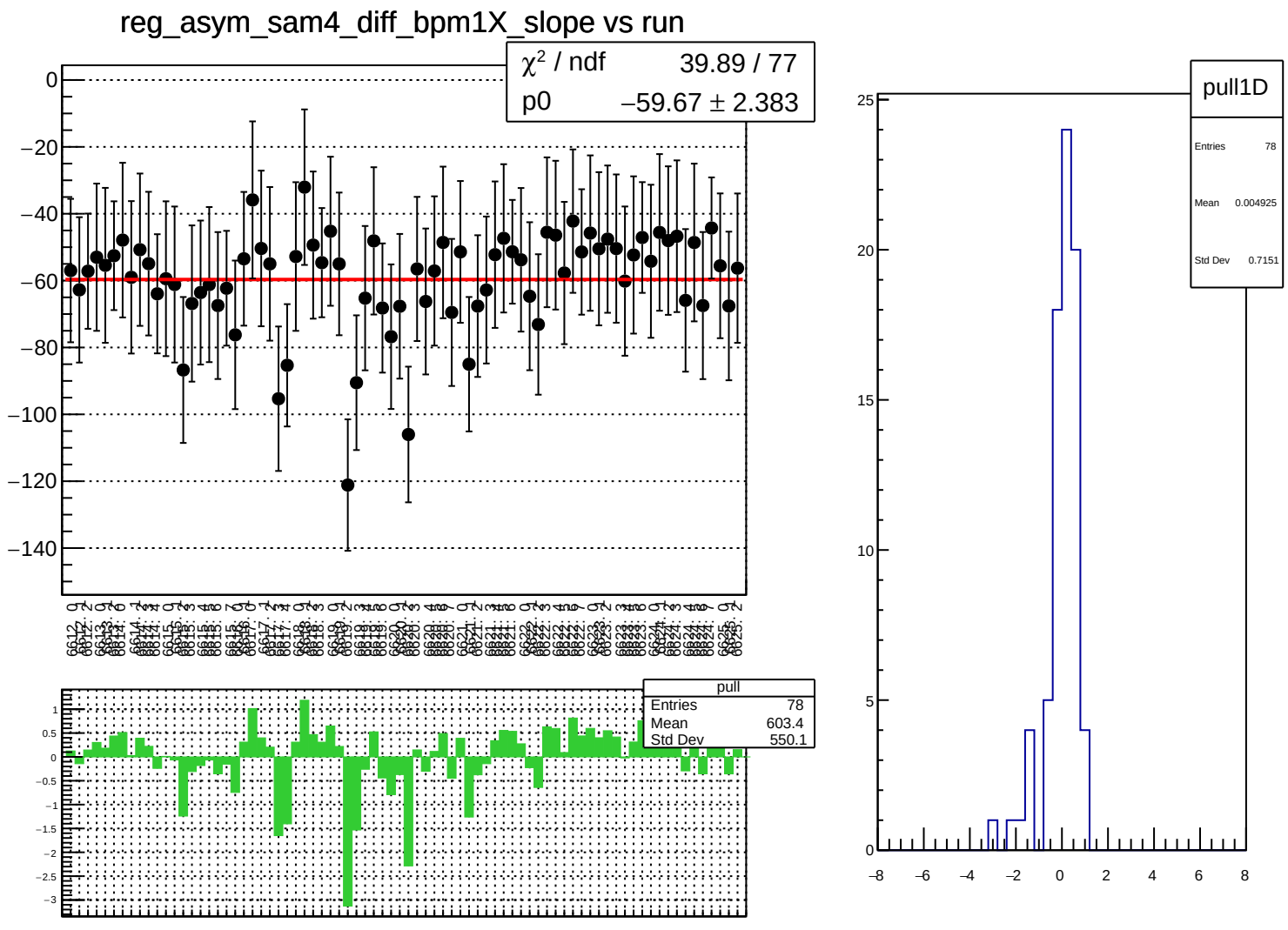

pull1D
Entries 78
Mean −0.005002
Std Dev 0.346

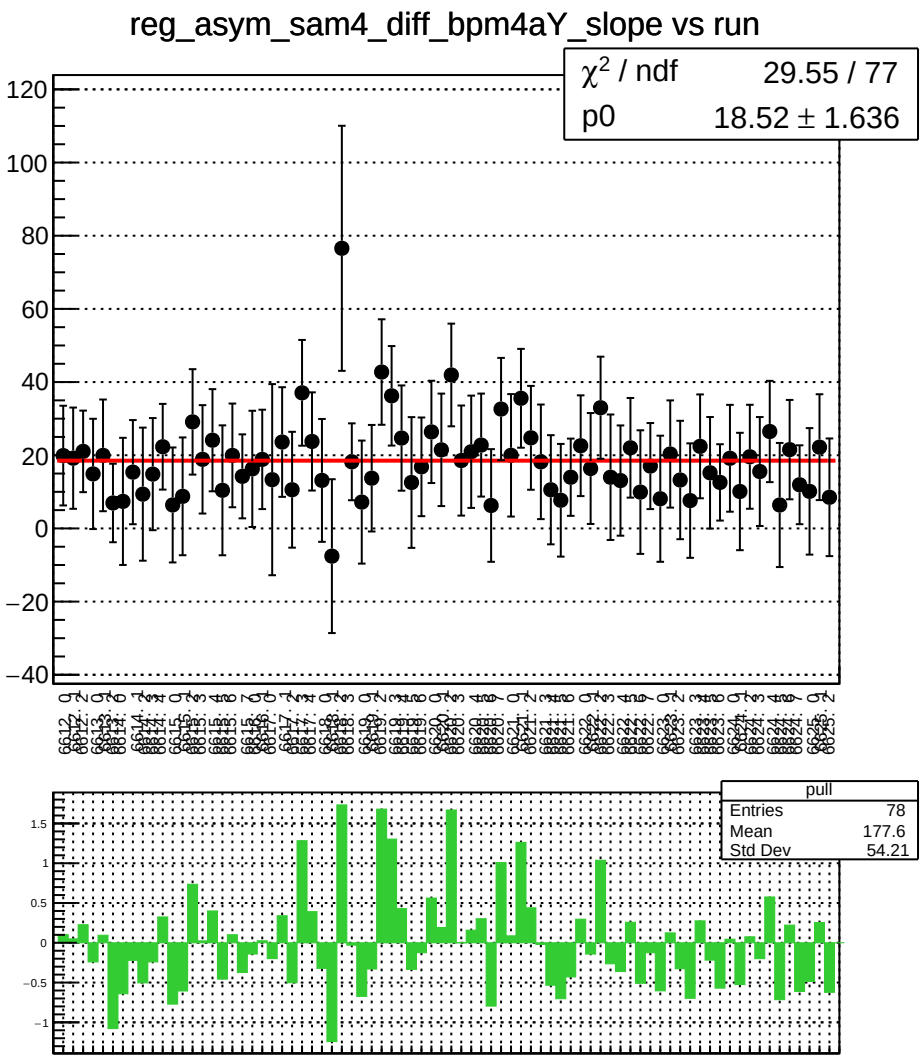

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 63.61 / 77
p0 −93.4 ± 1.26
pull
Entries 78
Mean 235.5
Std Dev 178.5
pull1D
Entries 78
Mean −0.01568
Std Dev 0.9029

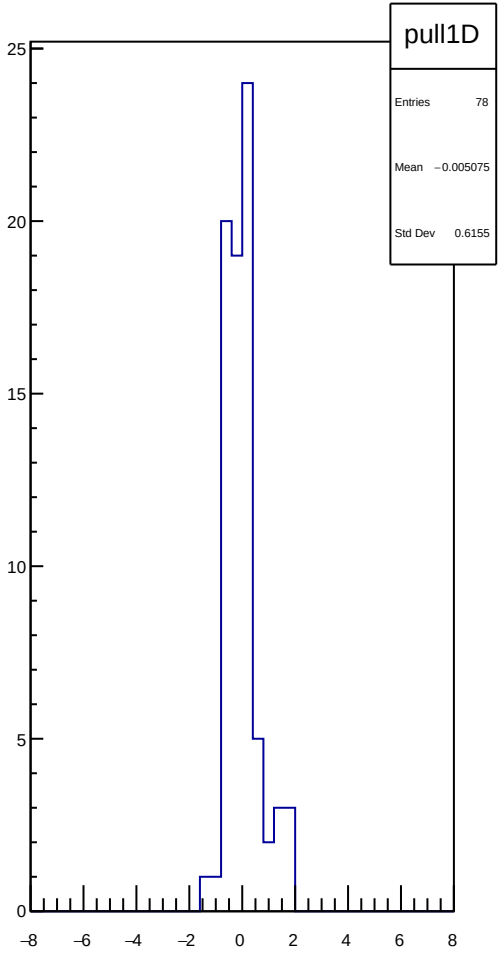

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 10.62 / 77
p0 26.13 ± 0.971
pull
Entries 78
Mean −347.3
Std Dev 355.8
pull1D
Entries 78
Mean 0.003625
Std Dev 0.369

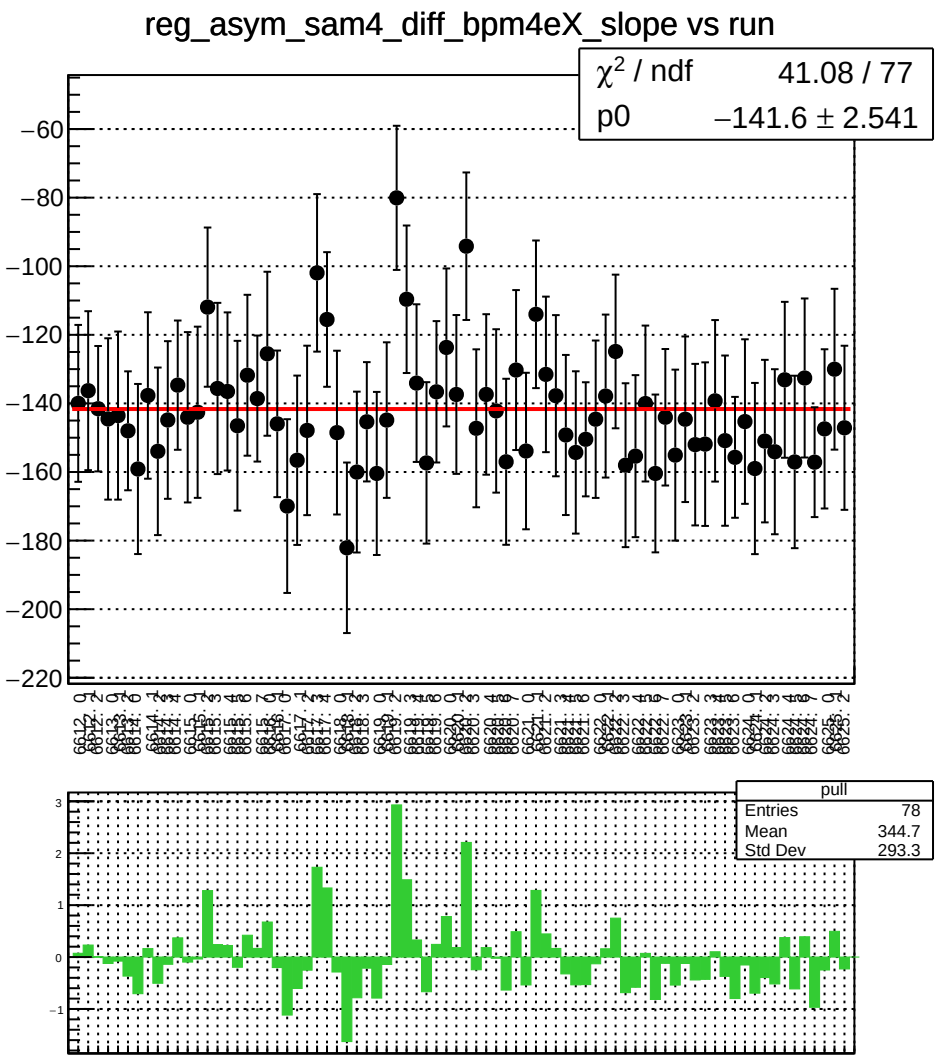

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 6.185 / 77
p0 0.3933 ± 0.05082
pull
Entries 78
Mean 271.5
Std Dev 188.2

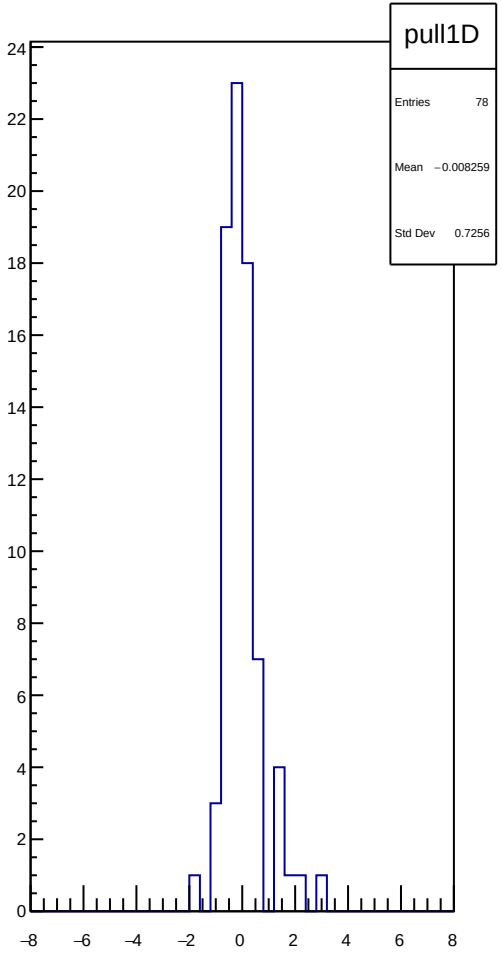

pull1D
Entries 78
Mean −0.001395
Std Dev 0.2816

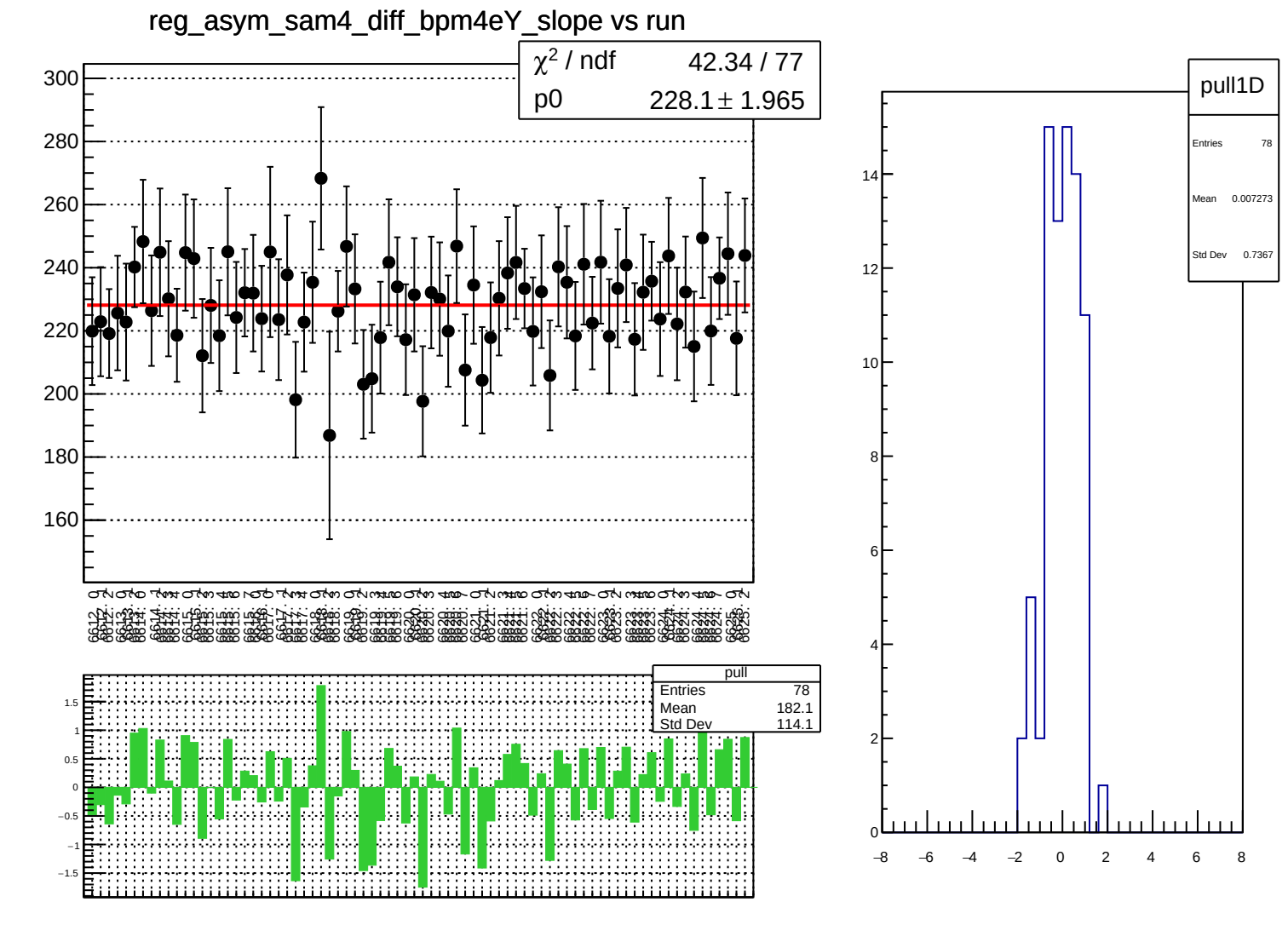

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 39.89 / 77
p0 −59.67 ± 2.383
pull
Entries 78
Mean 603.4
Std Dev 550.1
pull1D
Entries 78
Mean 0.004925
Std Dev 0.7151

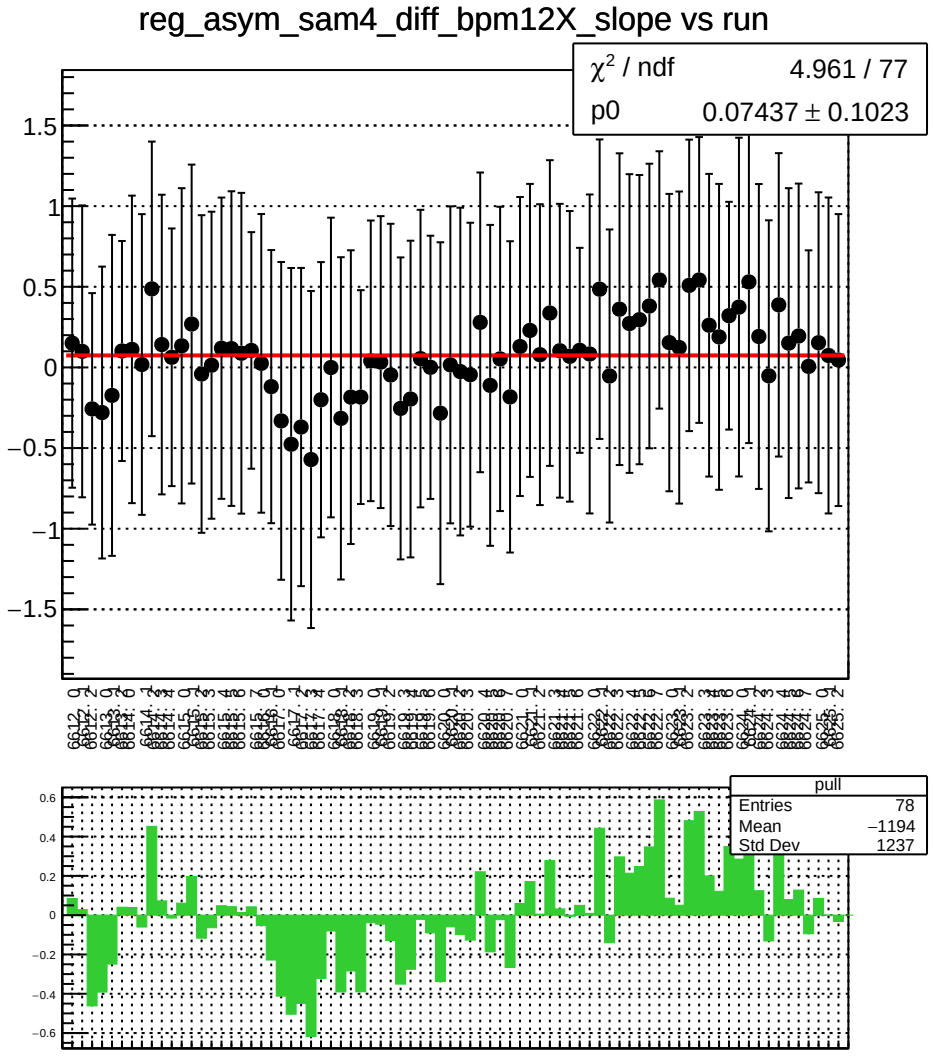

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 29.55 / 77
p0 18.52 ± 1.636
pull
Entries 78
Mean 177.6
Std Dev 54.21

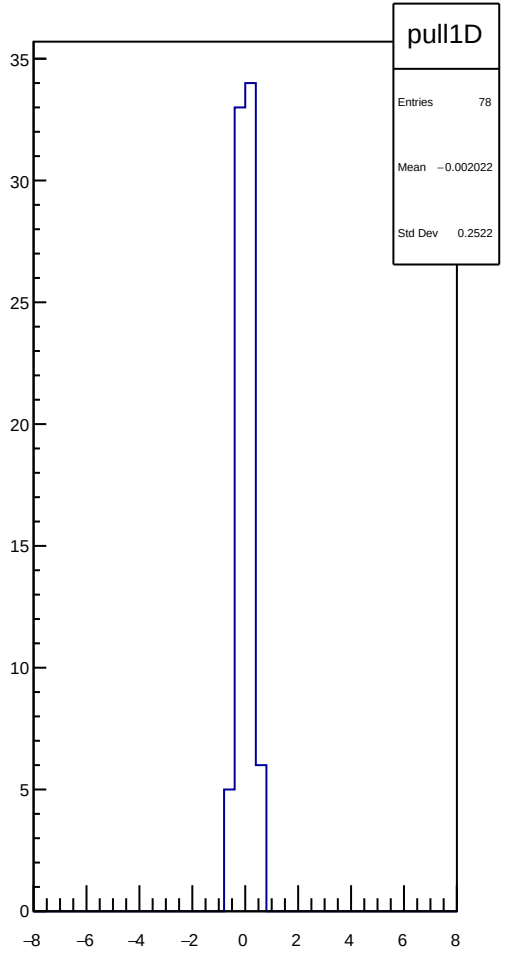

pull1D
Entries 78
Mean −0.005075
Std Dev 0.6155

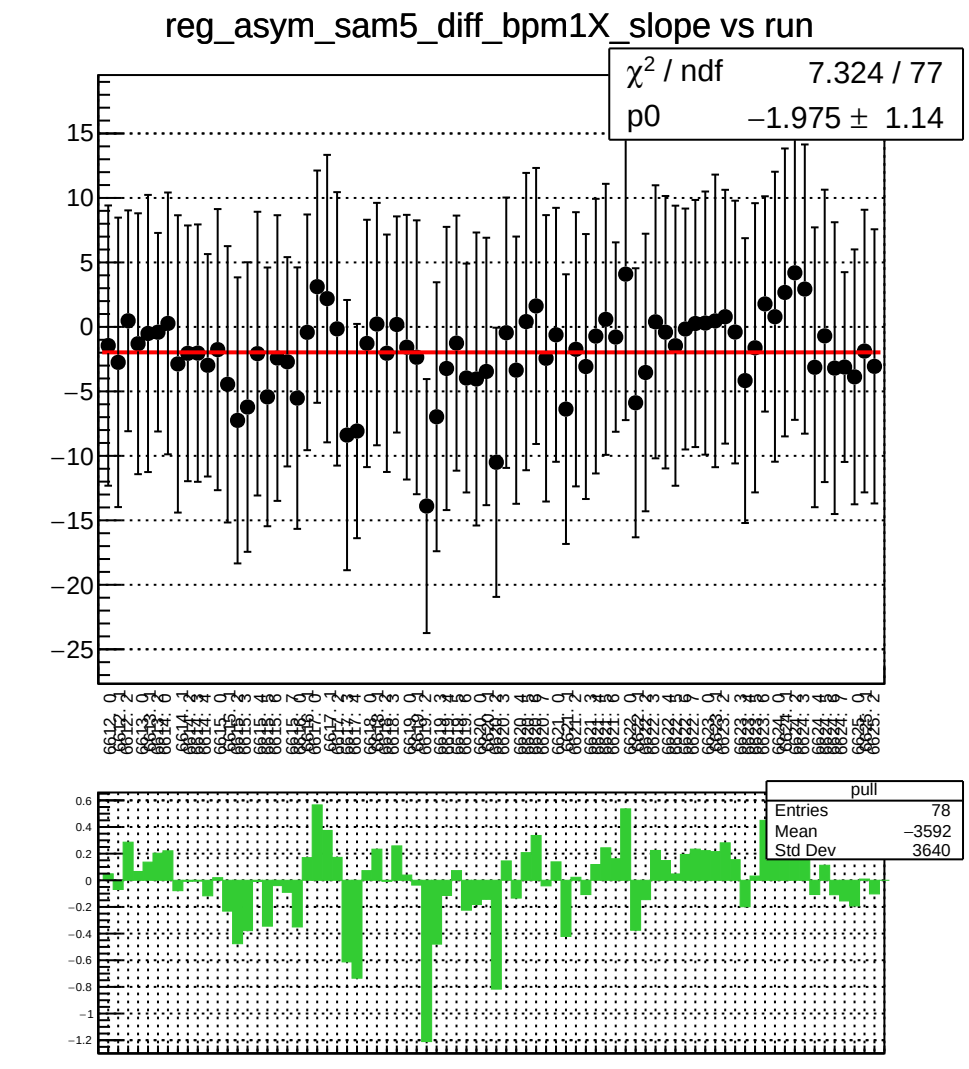

reg_asym_sam4_diff_bpm4eX_slope vs run
χ^2 / ndf 41.08 / 77
p0 −141.6 ± 2.541
pull
Entries 78
Mean 344.7
Std Dev 293.3

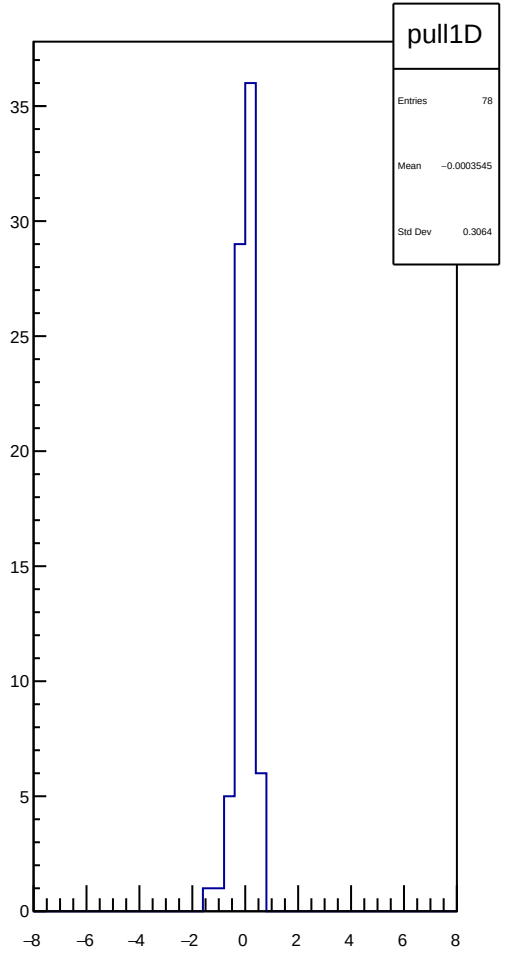

pull1D
Entries 78
Mean −0.008259
Std Dev 0.7256

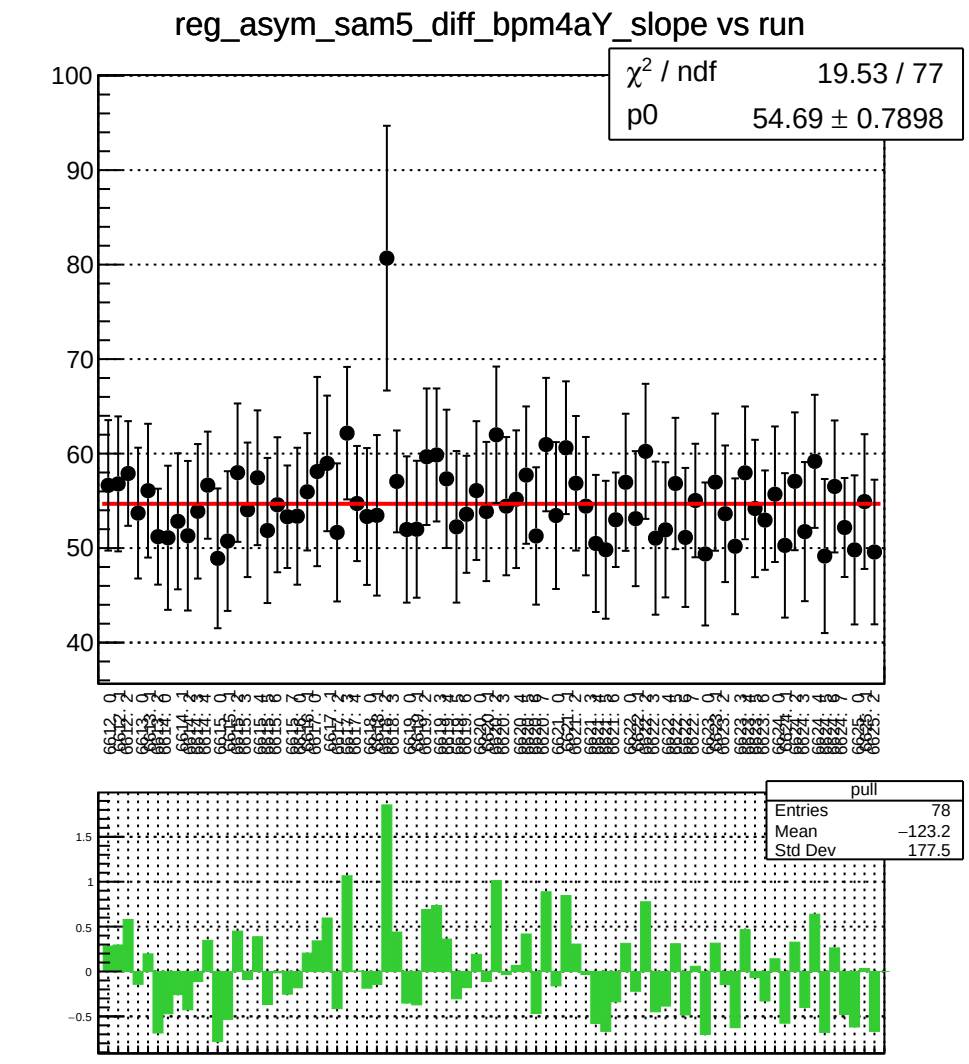

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 42.34 / 77
p0 228.1 ± 1.965
pull
Entries 78
Mean 182.1
Std Dev 114.1
pull1D
Entries 78
Mean 0.007273
Std Dev 0.7367

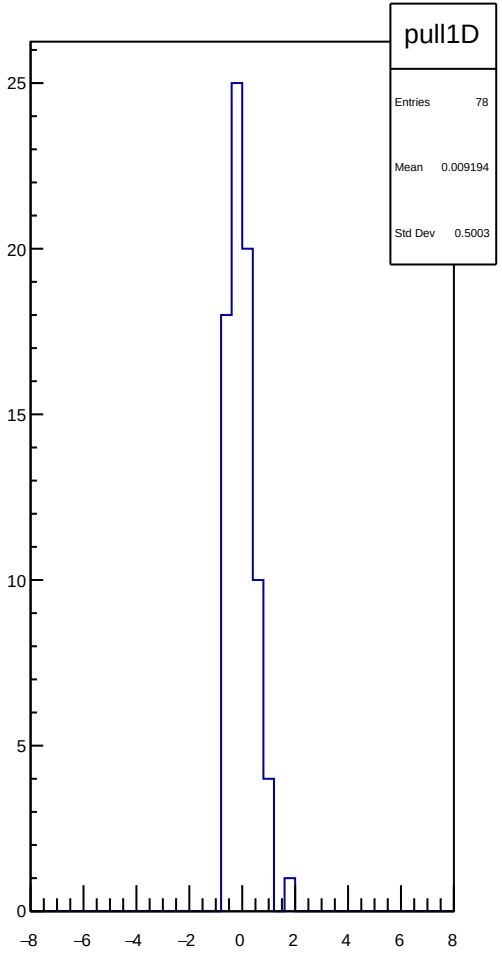

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 4.961 / 77
p0 0.07437 ± 0.1023
pull
Entries 78
Mean −1194
Std Dev 1237

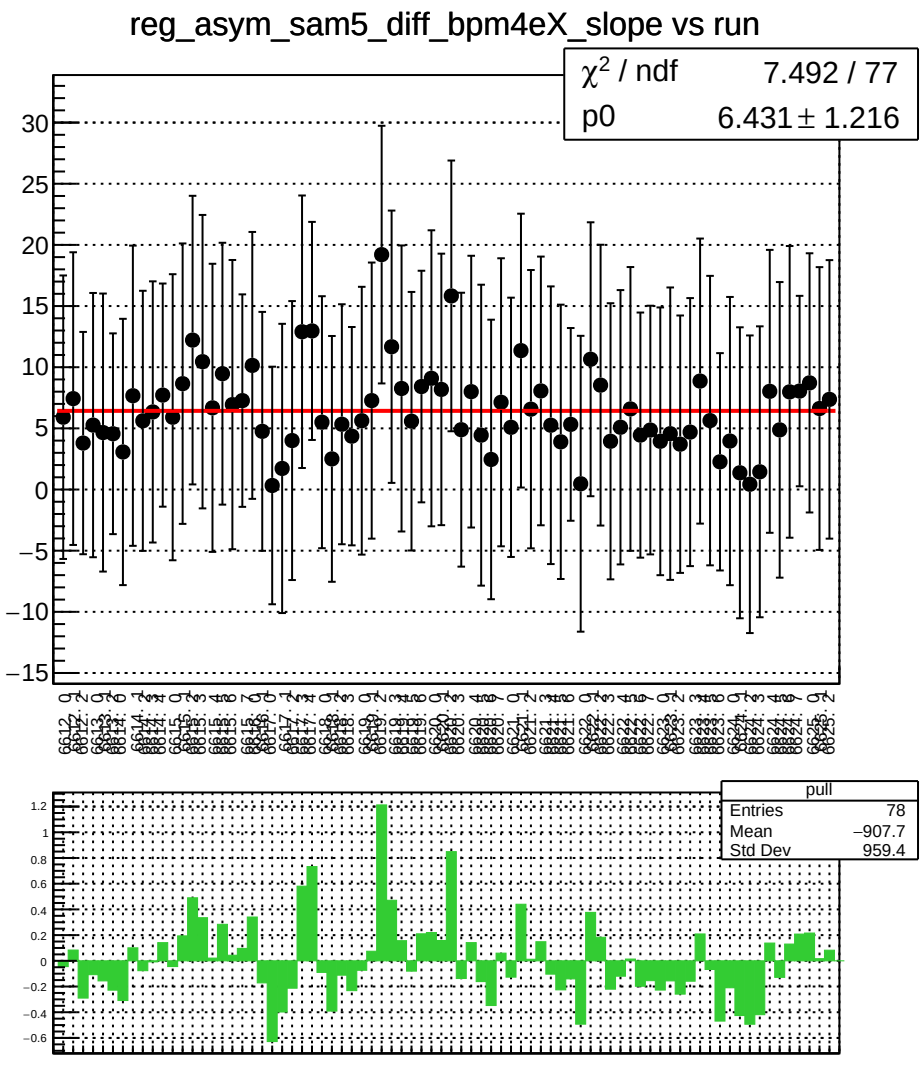

pull1D
Entries 78
Mean −0.002022
Std Dev 0.2522

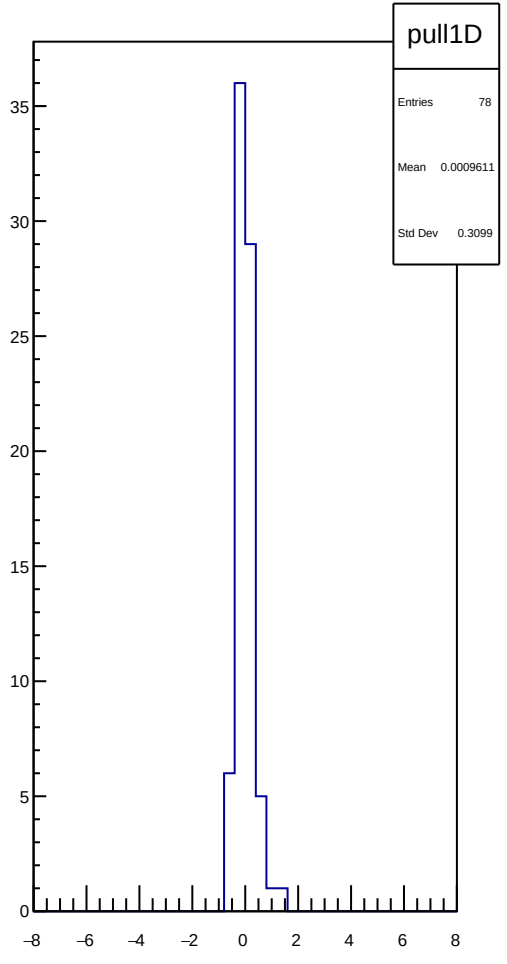

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 7.324 / 77
p0 −1.975 ± 1.14
pull
Entries 78
Mean −3592
Std Dev 3640

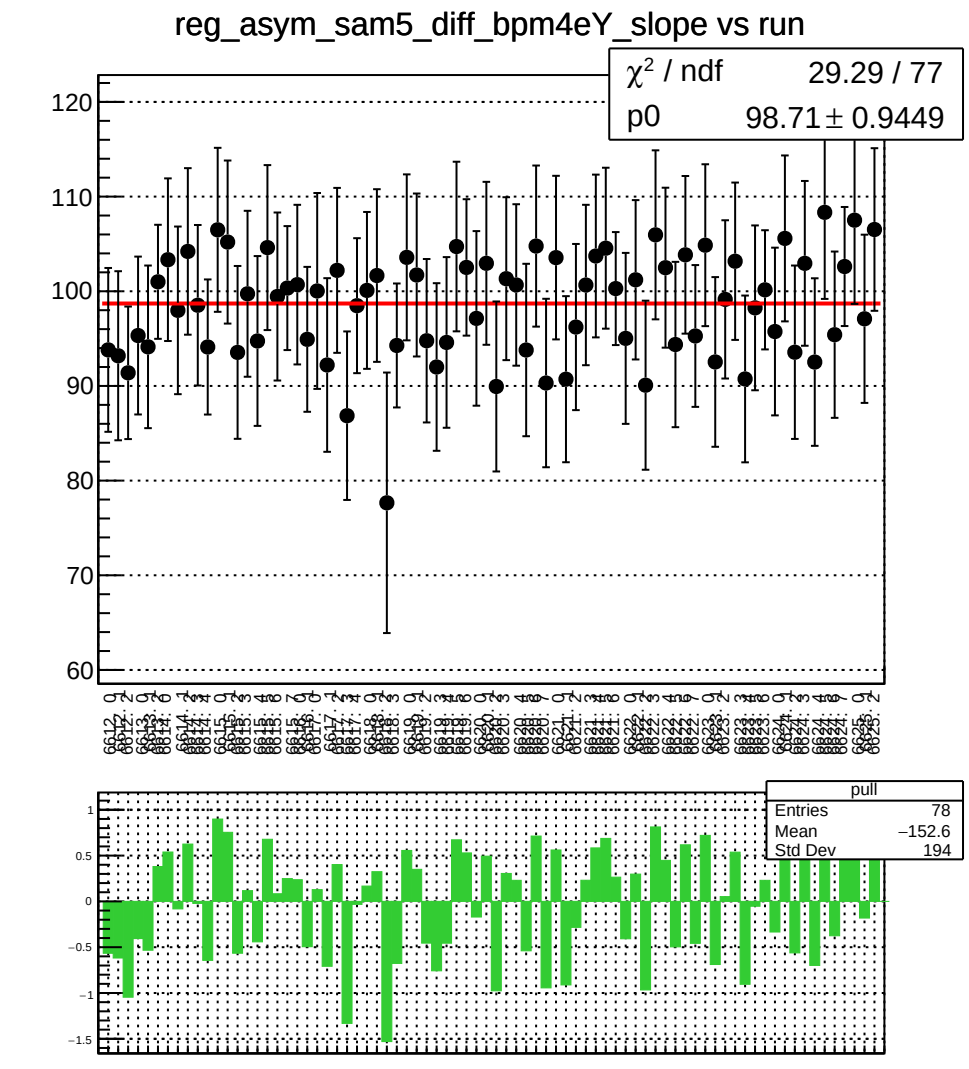

pull1D
Entries 78
Mean −0.0003545
Std Dev 0.3064

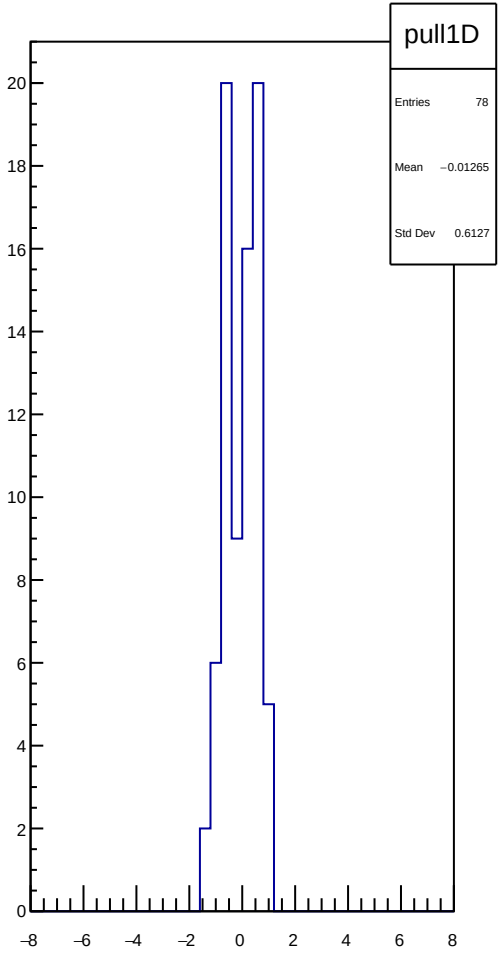

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 19.53 / 77
p0 54.69 ± 0.7898
pull
Entries 78
Mean −123.2
Std Dev 177.5

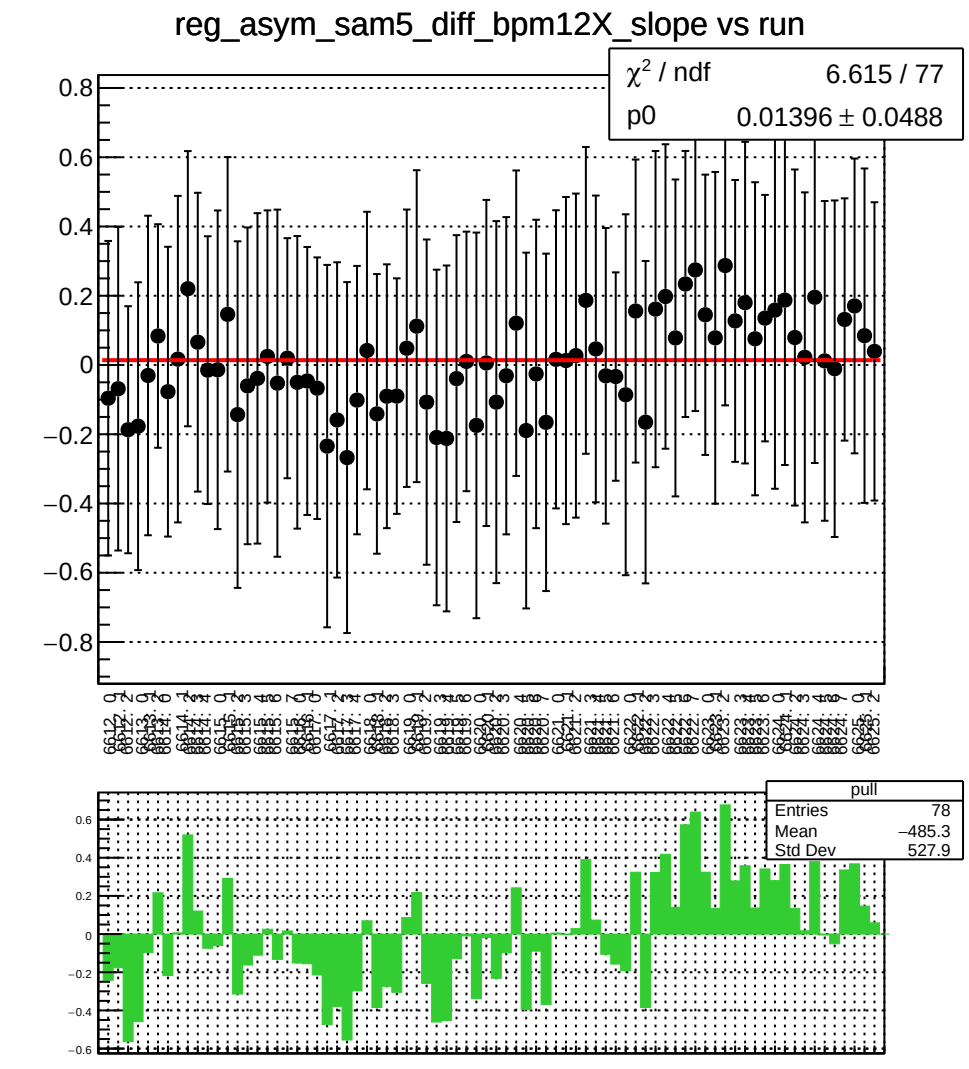

pull1D
Entries 78
Mean 0.009194
Std Dev 0.5003

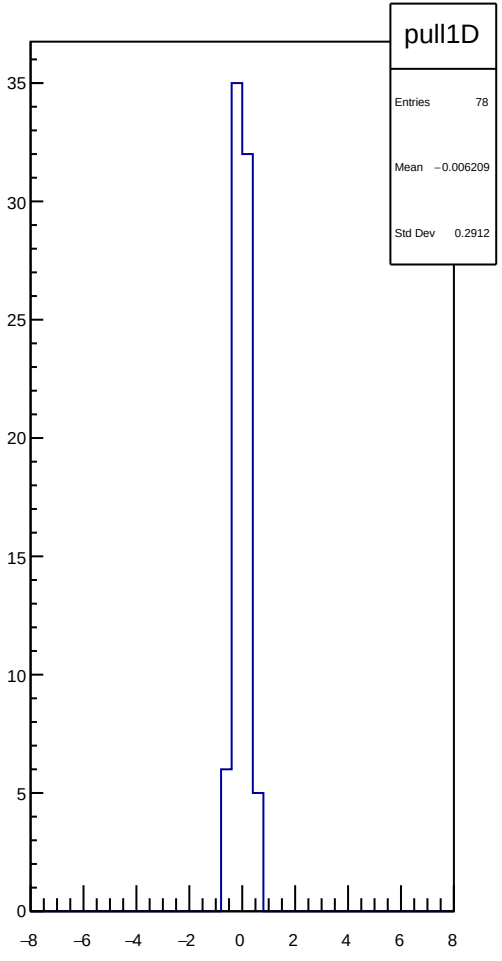

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 7.492 / 77
p0 6.431 ± 1.216
pull
Entries 78
Mean −907.7
Std Dev 959.4

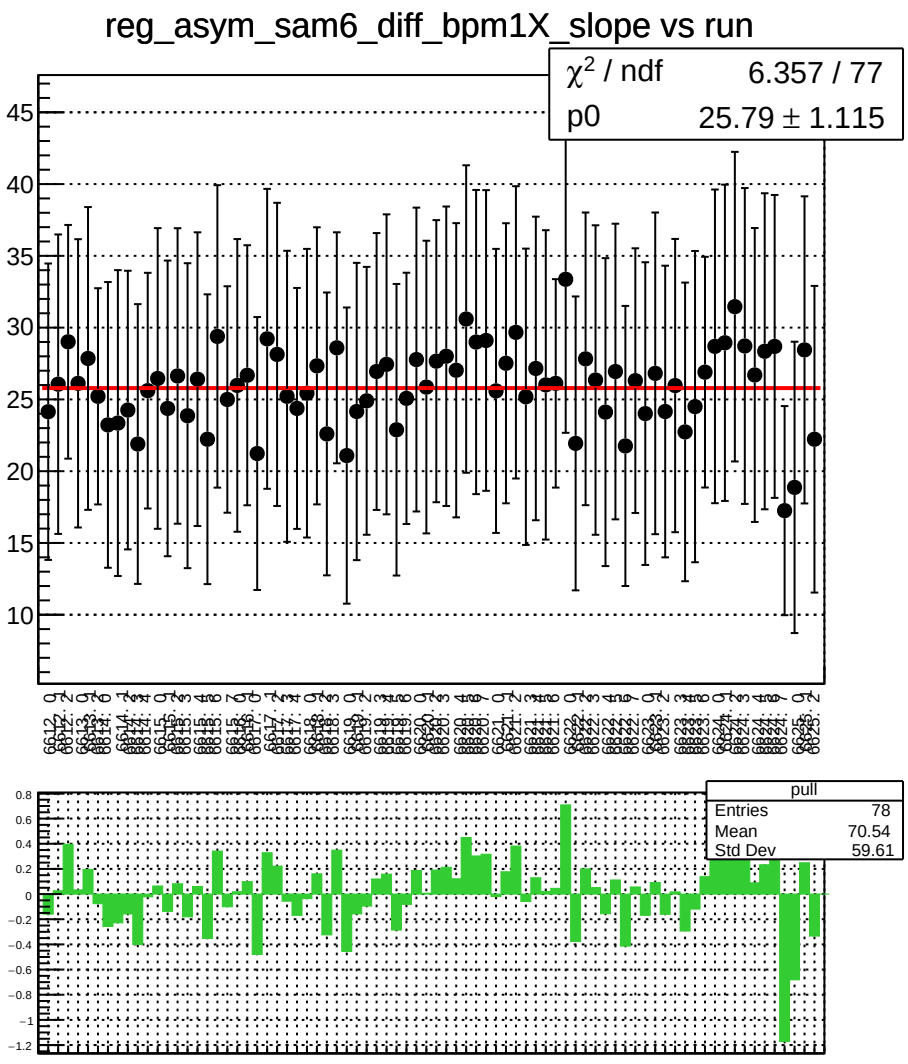

pull1D
Entries 78
Mean 0.0009611
Std Dev 0.3099

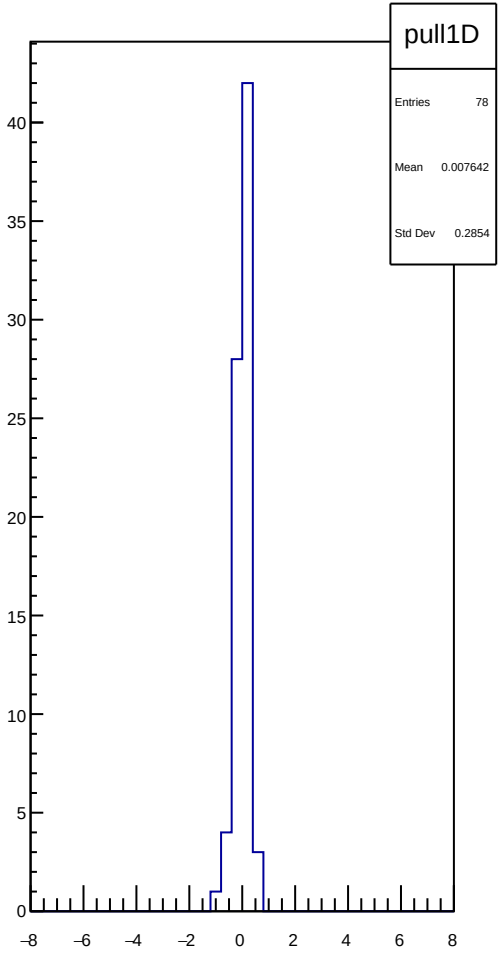

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 29.29 / 77
p0 98.71 ± 0.9449
pull
Entries 78
Mean −152.6
Std Dev 194

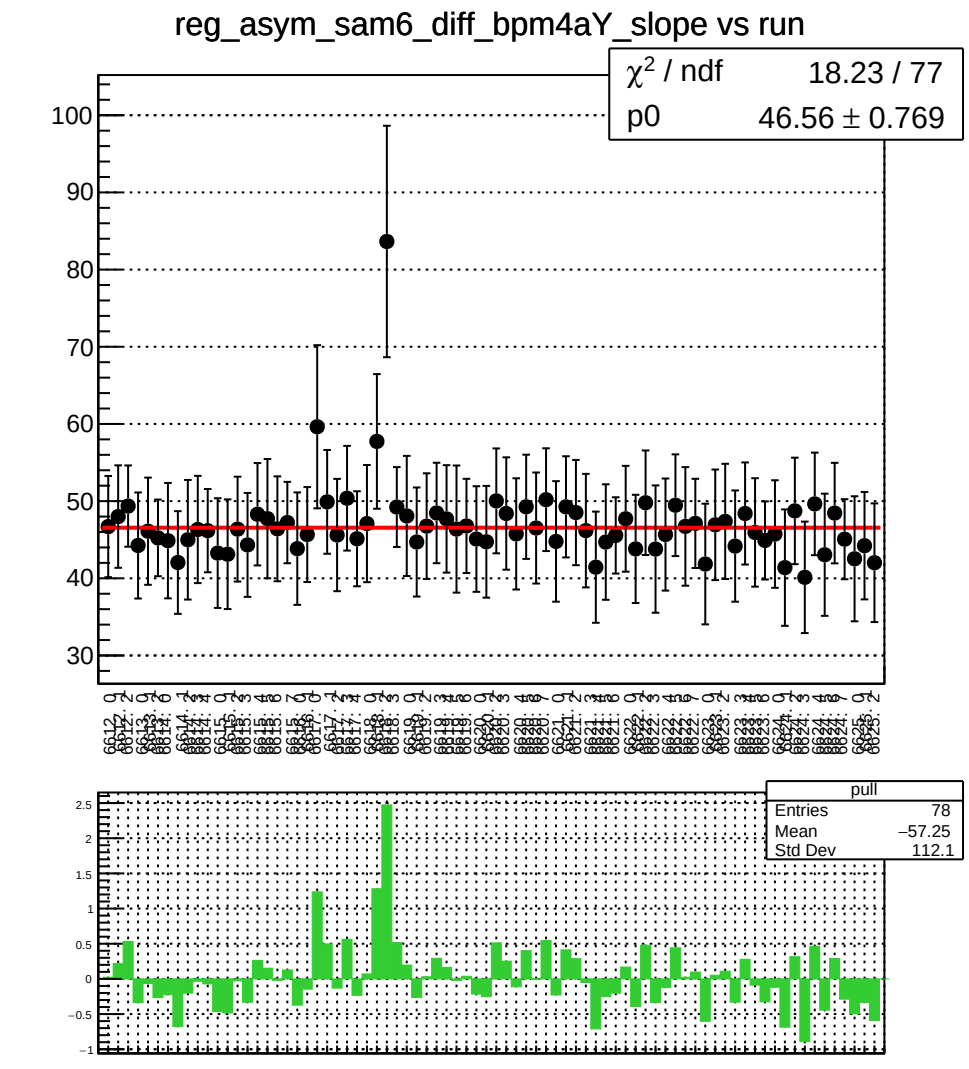

pull1D
Entries 78
Mean −0.01265
Std Dev 0.6127

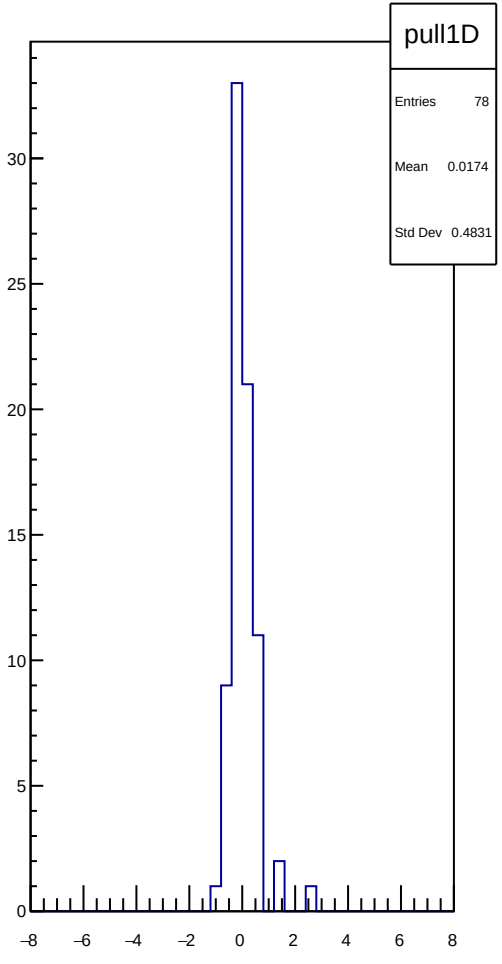

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 6.615 / 77
p0 0.01396 ± 0.0488
pull
Entries 78
Mean −485.3
Std Dev 527.9

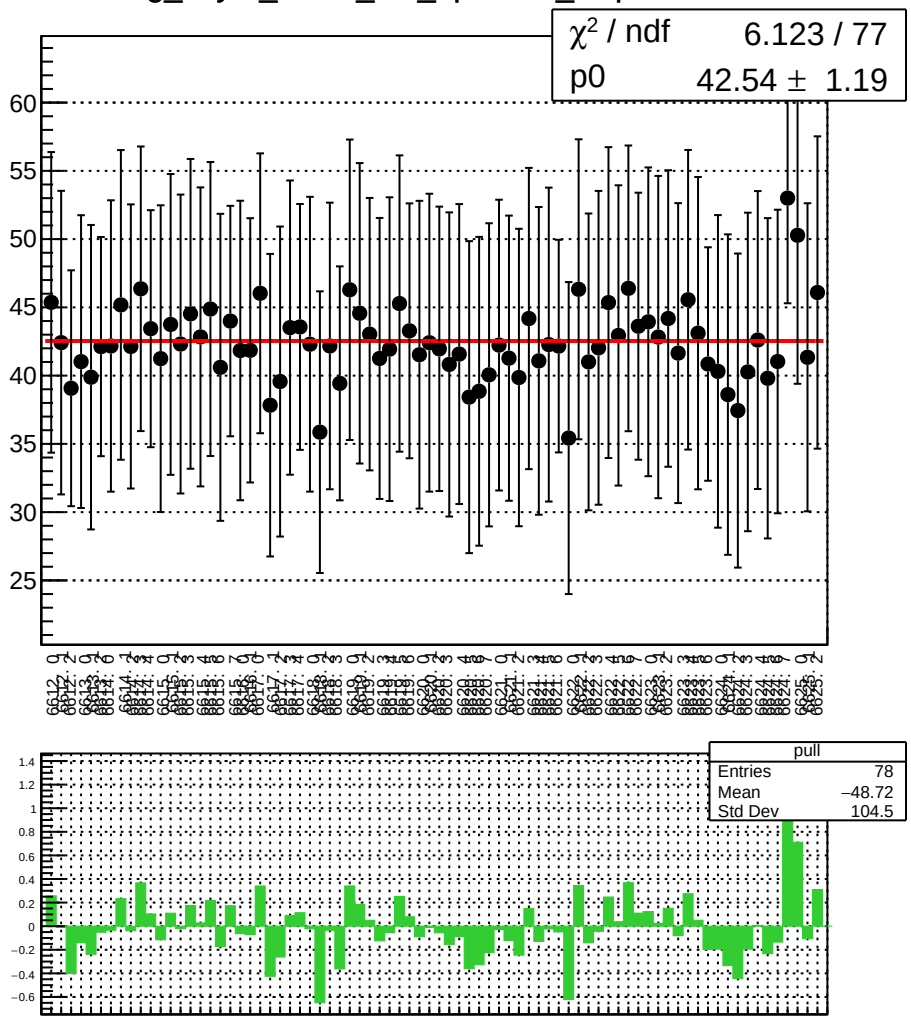

pull1D
Entries 78
Mean −0.006209
Std Dev 0.2912

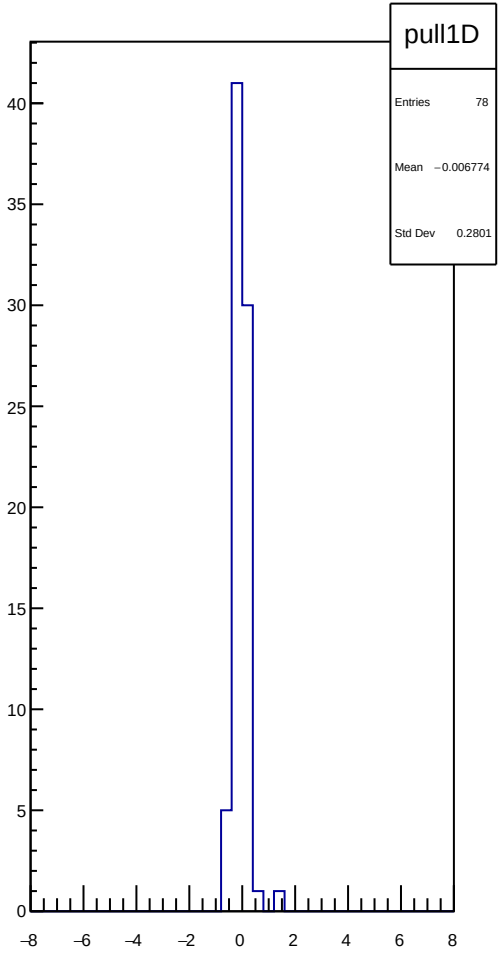

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 6.357 / 77
p0 25.79 ± 1.115
pull
Entries 78
Mean 70.54
Std Dev 59.61

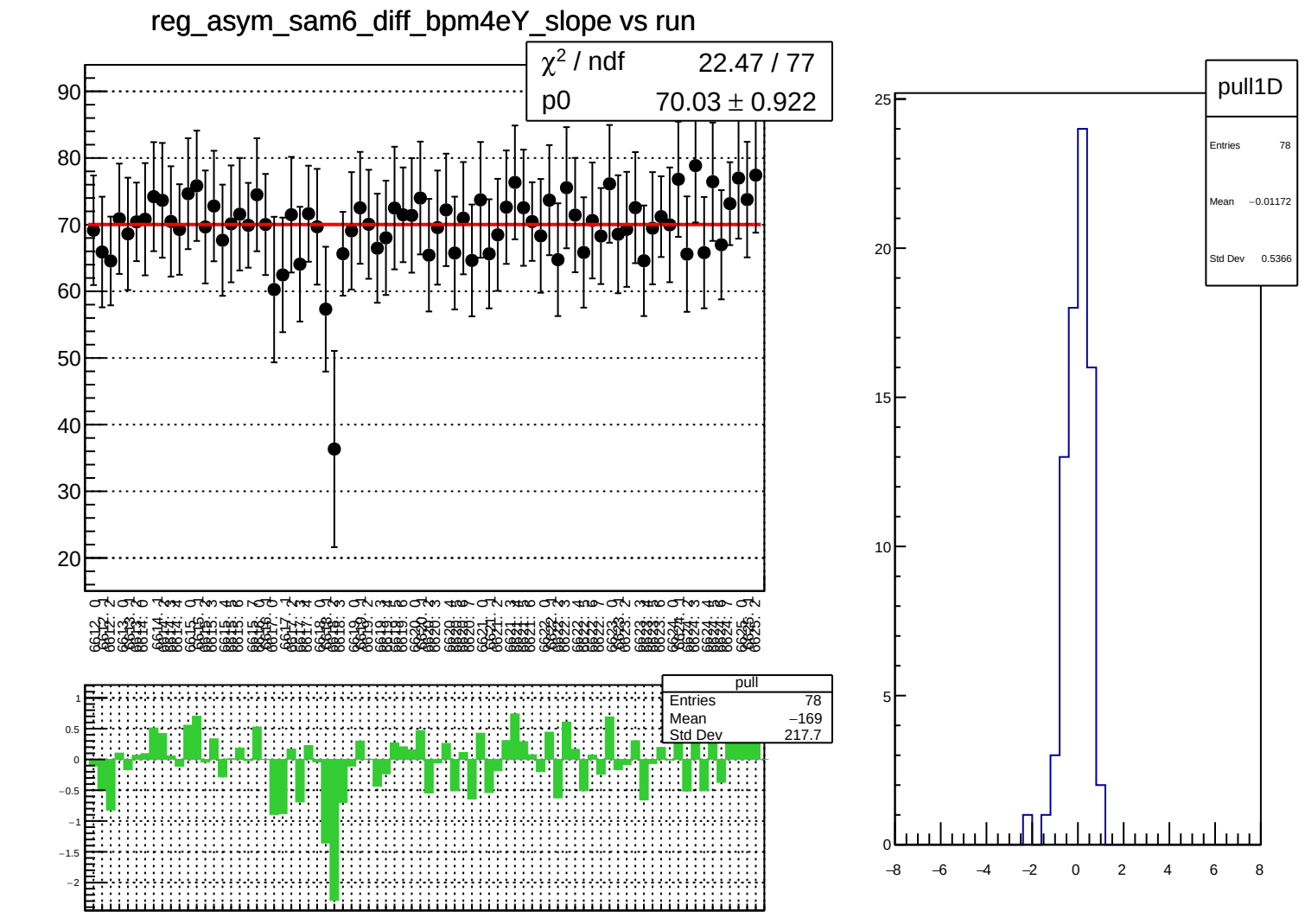

pull1D
Entries 78
Mean 0.007642
Std Dev 0.2854

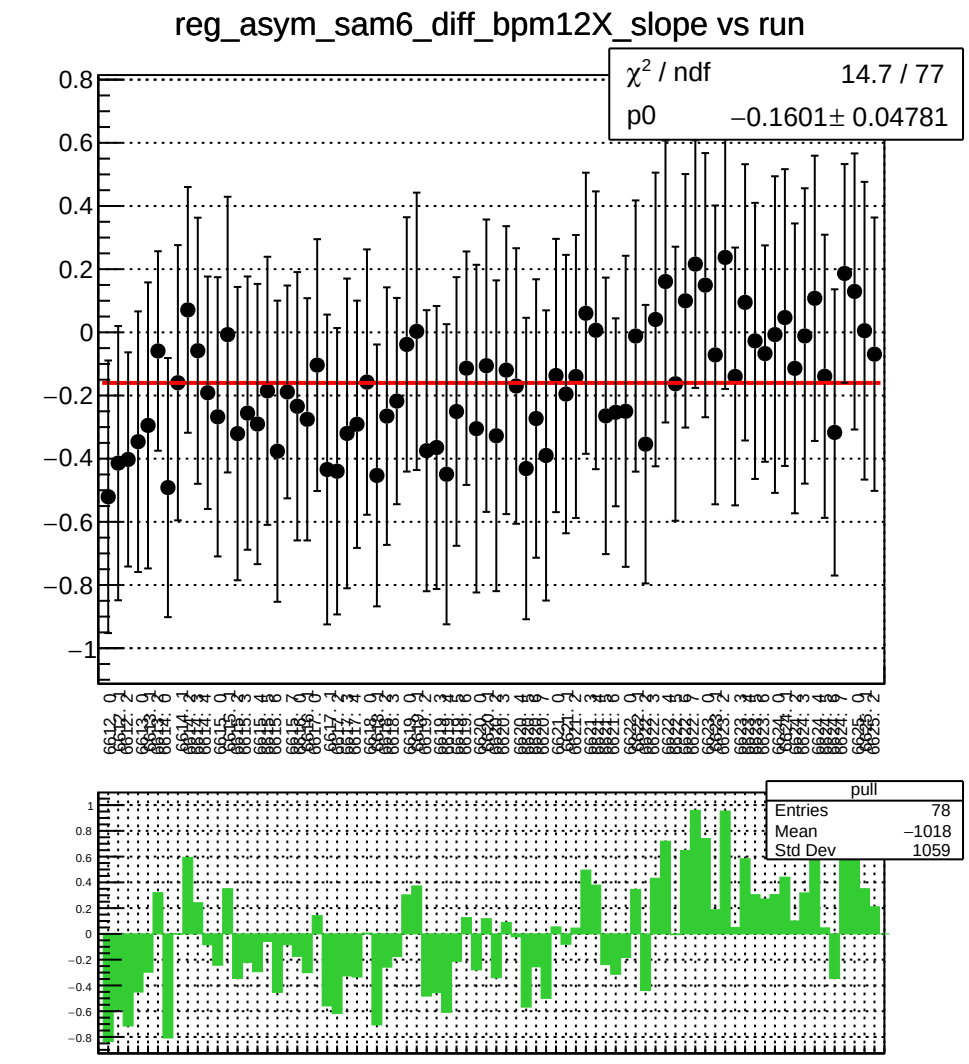

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 18.23 / 77
p0 46.56 ± 0.769
pull
Entries 78
Mean −57.25
Std Dev 112.1

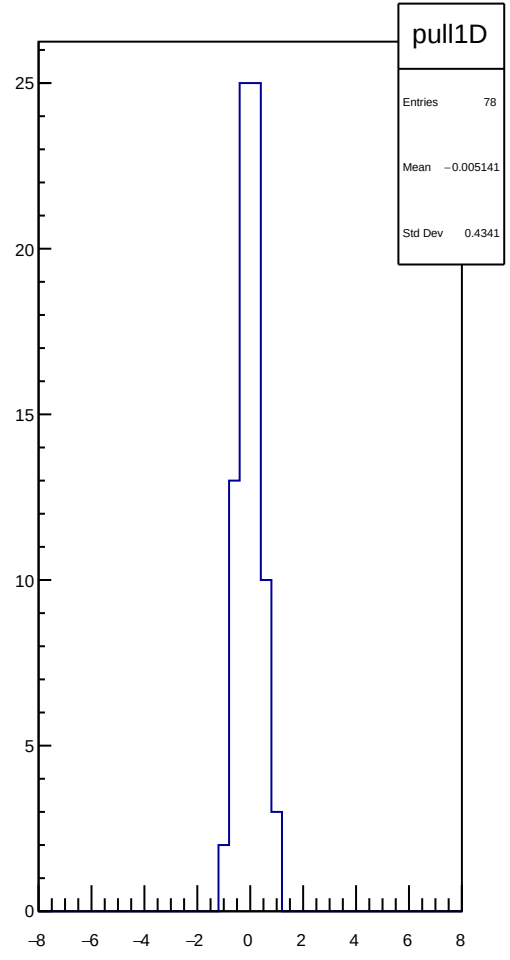

pull1D
Entries 78
Mean 0.0174
Std Dev 0.4831

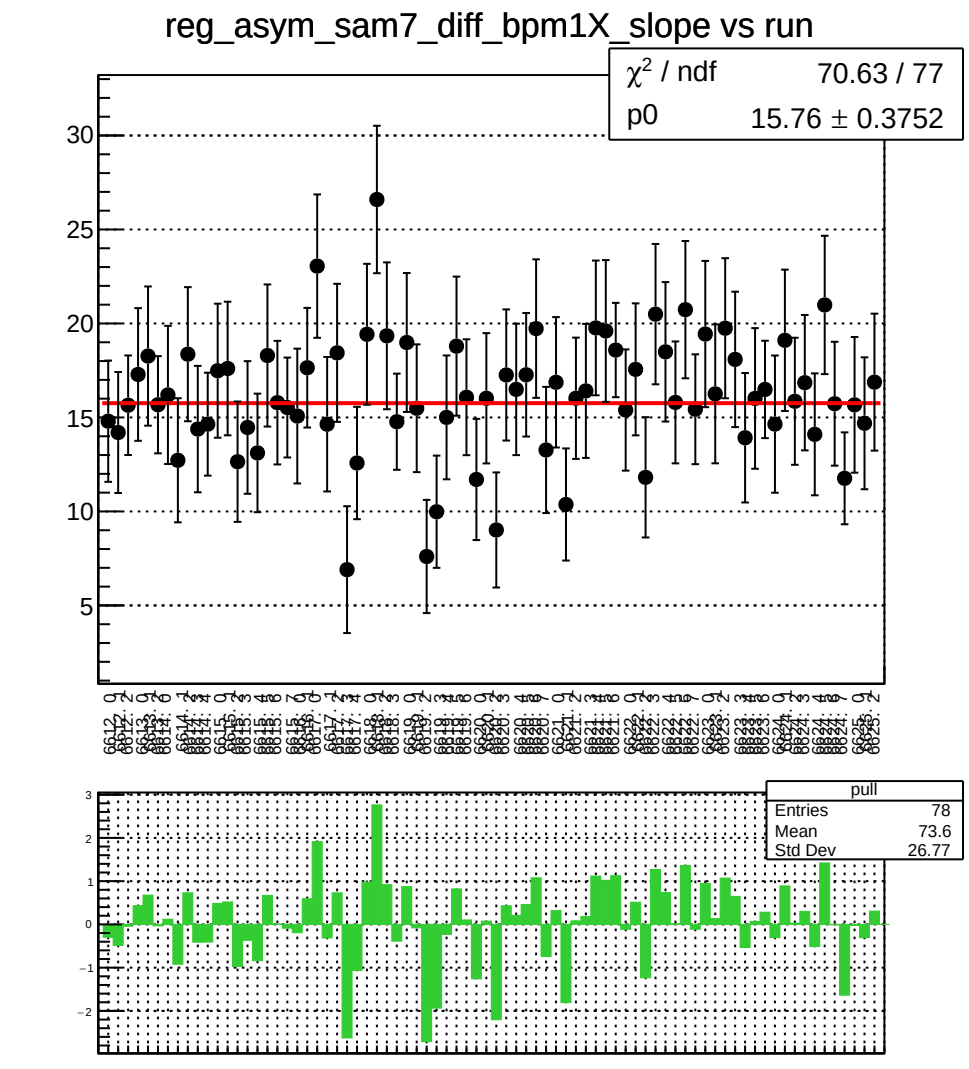

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 6.123 / 77
p0 42.54 ± 1.19
pull
Entries 78
Mean −48.72
Std Dev 104.5

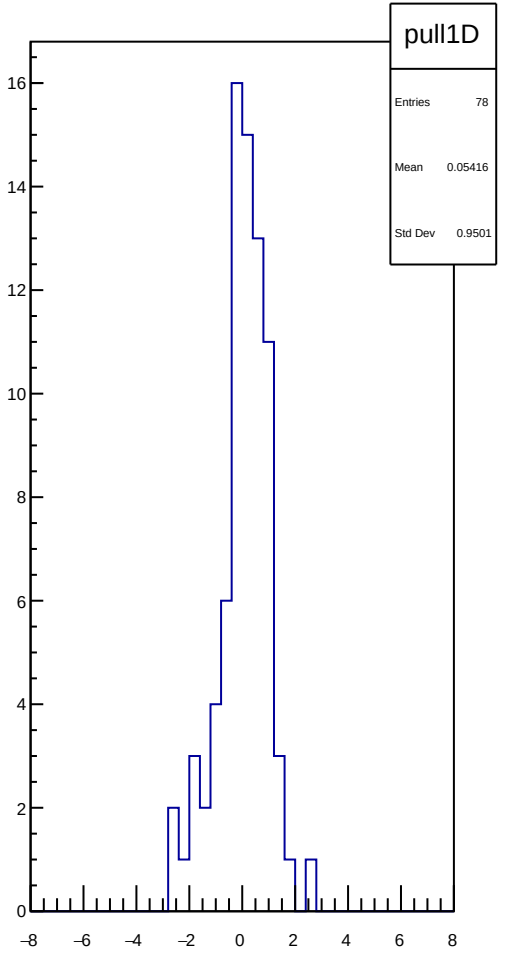

pull1D
Entries 78
Mean −0.006774
Std Dev 0.2801

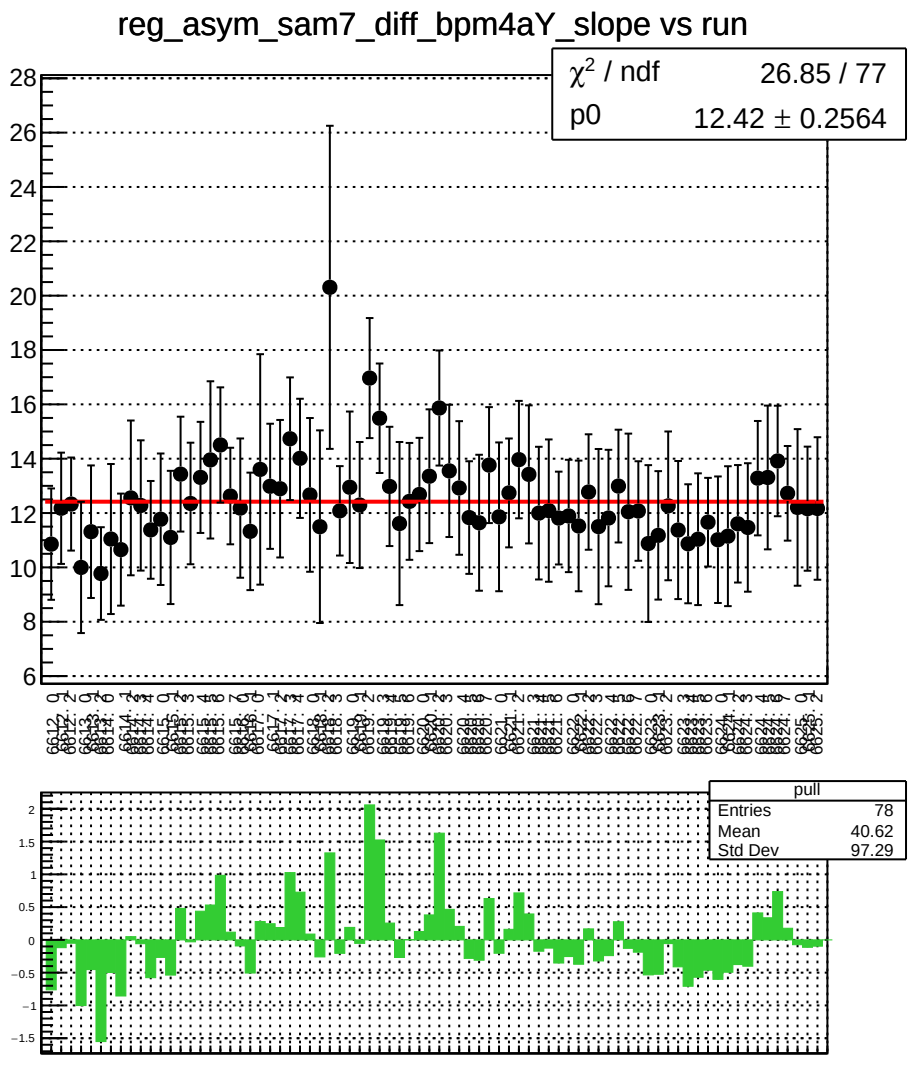

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 22.47 / 77
p0 70.03 ± 0.922
pull
Entries 78
Mean −169
Std Dev 217.7
pull1D
Entries 78
Mean −0.01172
Std Dev 0.5366

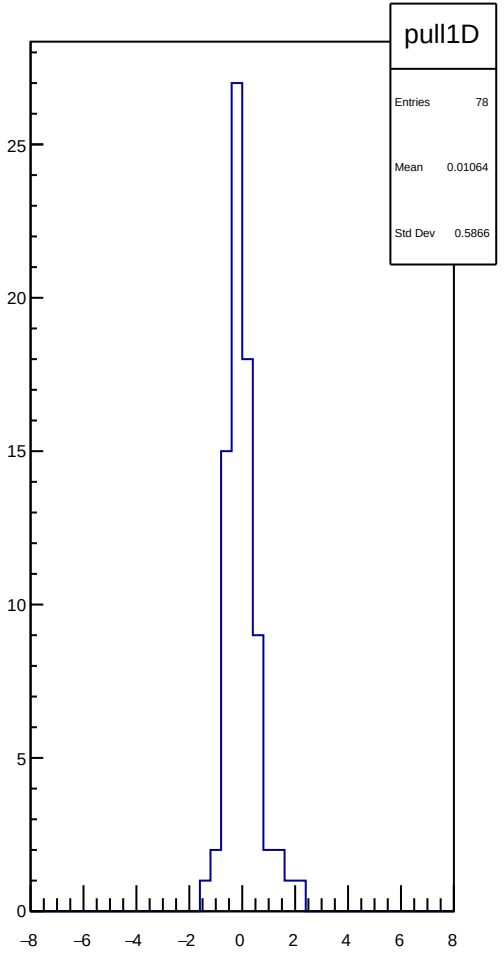

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 14.7 / 77
p0 −0.1601± 0.04781
pull
Entries 78
Mean −1018
Std Dev 1059

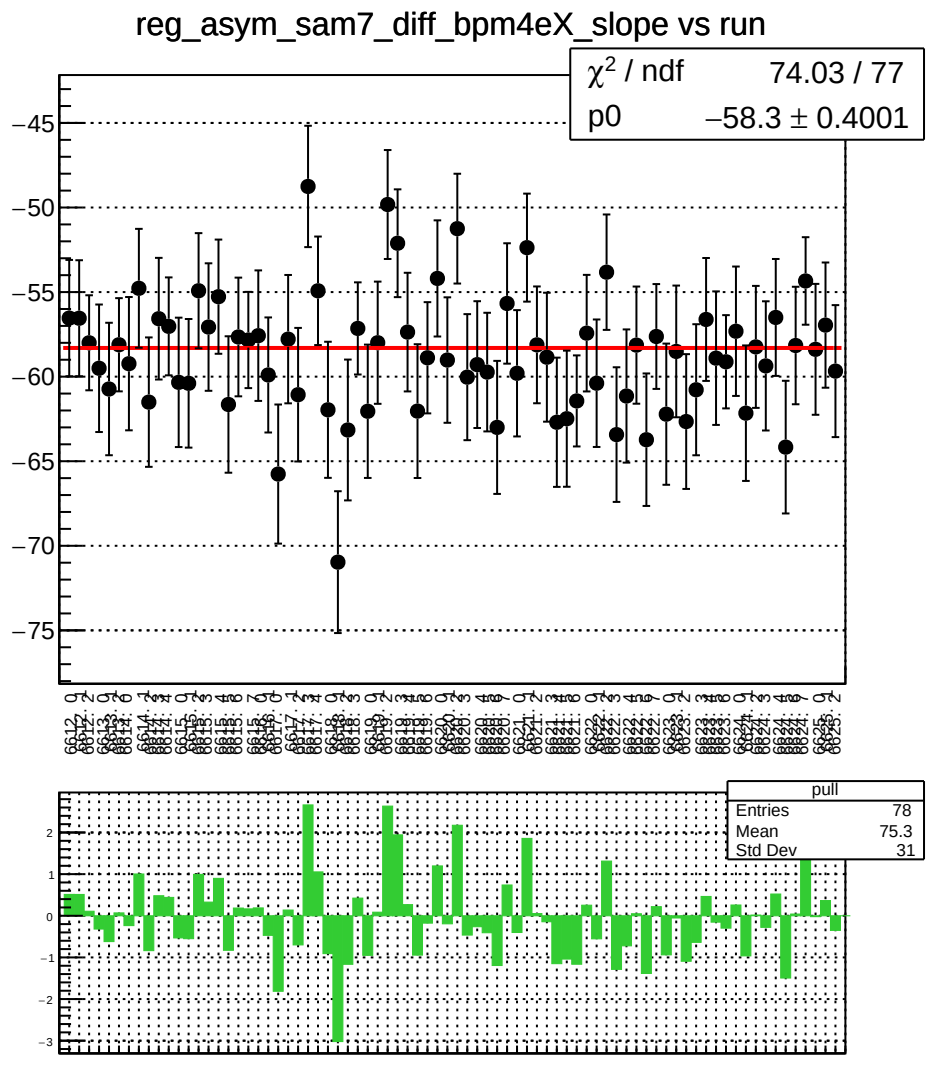

pull1D
Entries 78
Mean −0.005141
Std Dev 0.4341

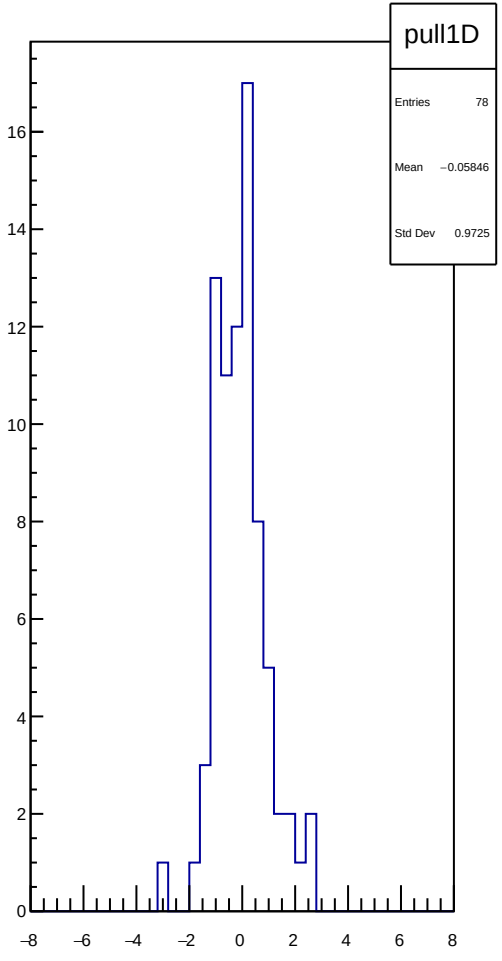

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 70.63 / 77
p0 15.76 ± 0.3752
pull
Entries 78
Mean 73.6
Std Dev 26.77

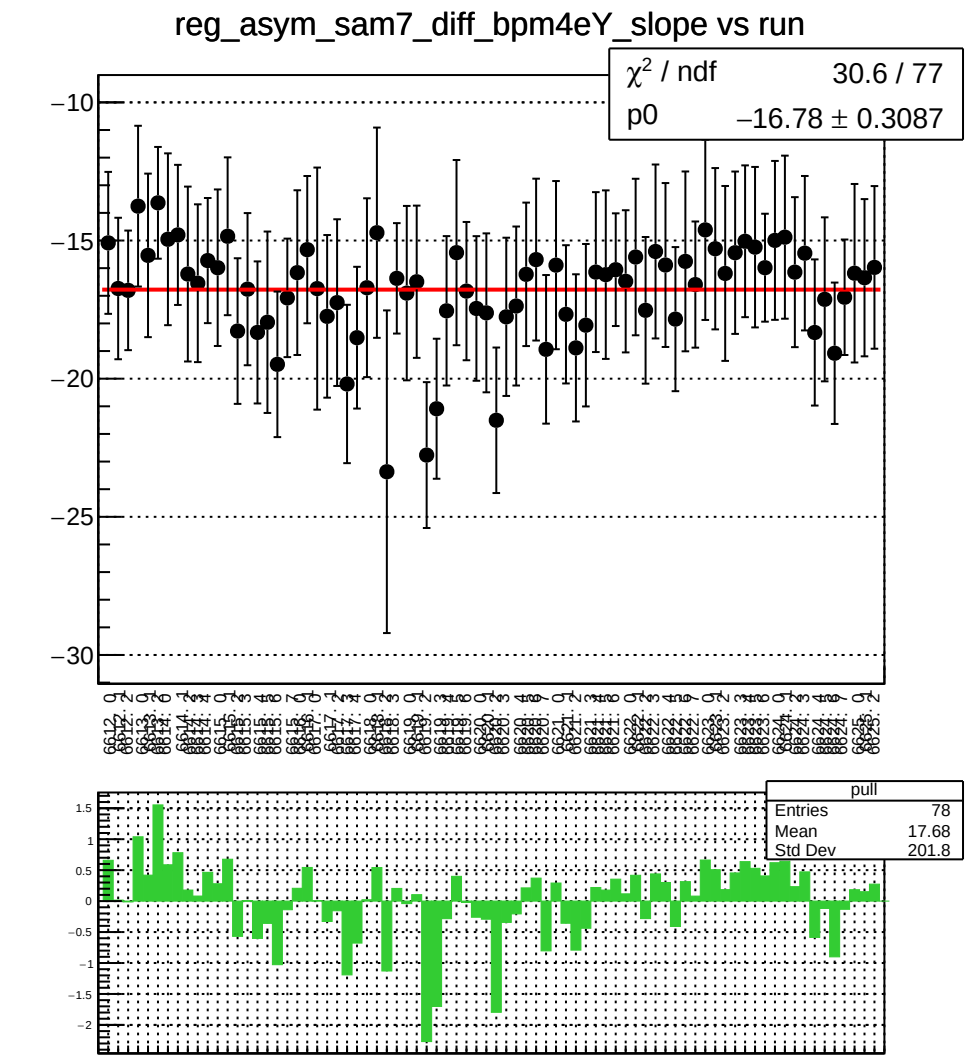

pull1D
Entries 78
Mean 0.05416
Std Dev 0.9501

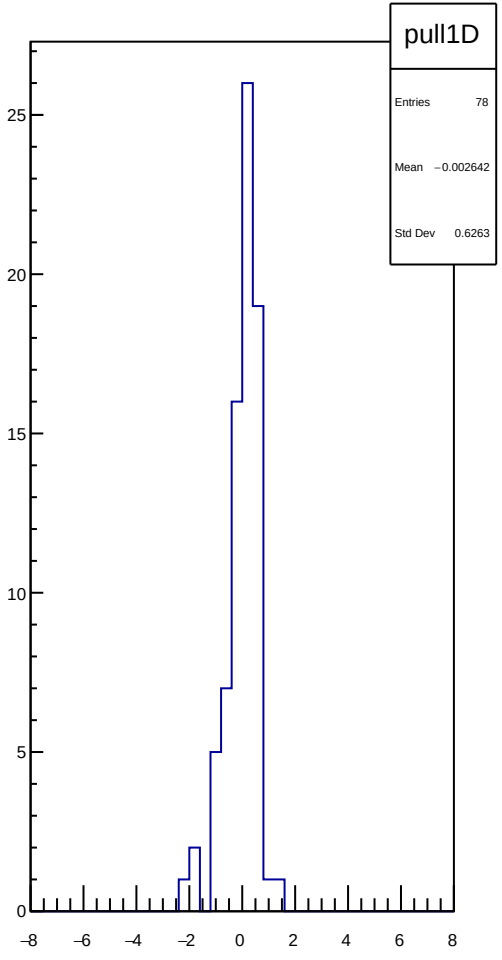

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 26.85 / 77
p0 12.42 ± 0.2564
pull
Entries 78
Mean 40.62
Std Dev 97.29

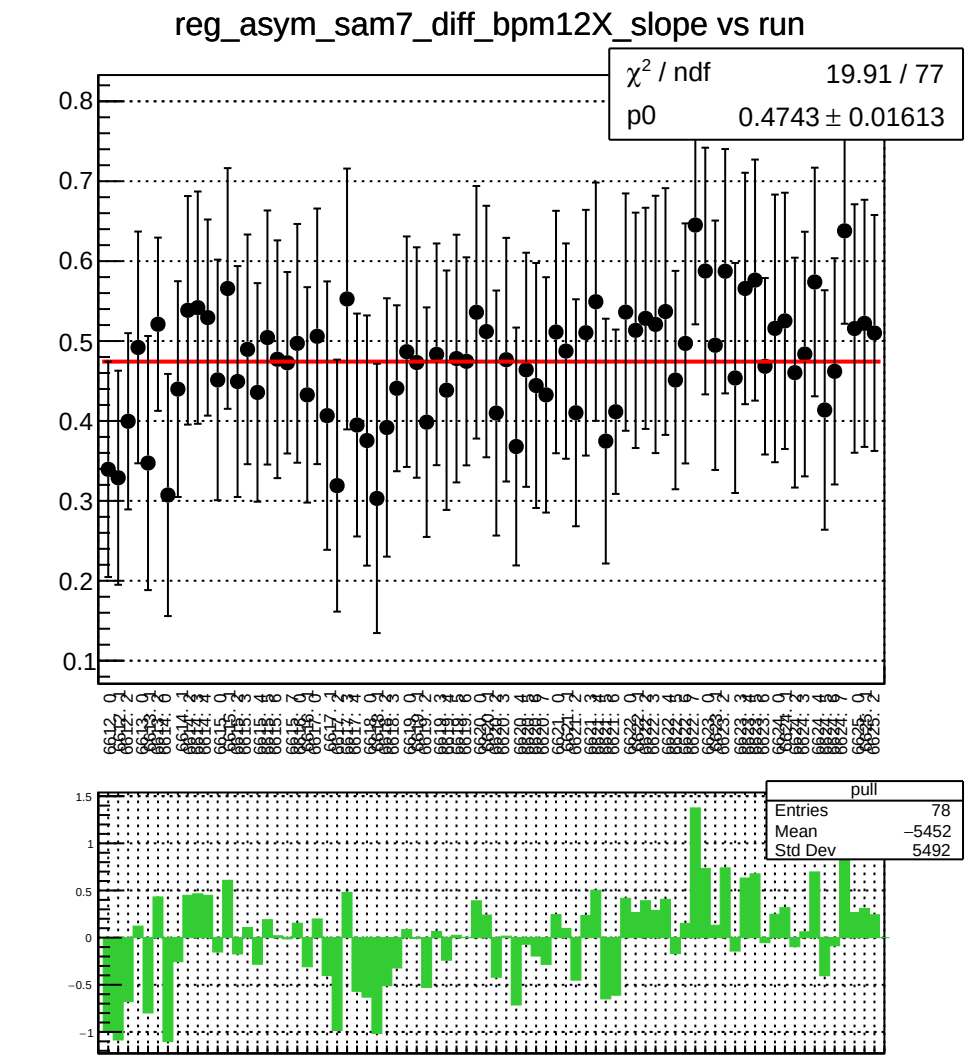

pull1D
Entries 78
Mean 0.01064
Std Dev 0.5866

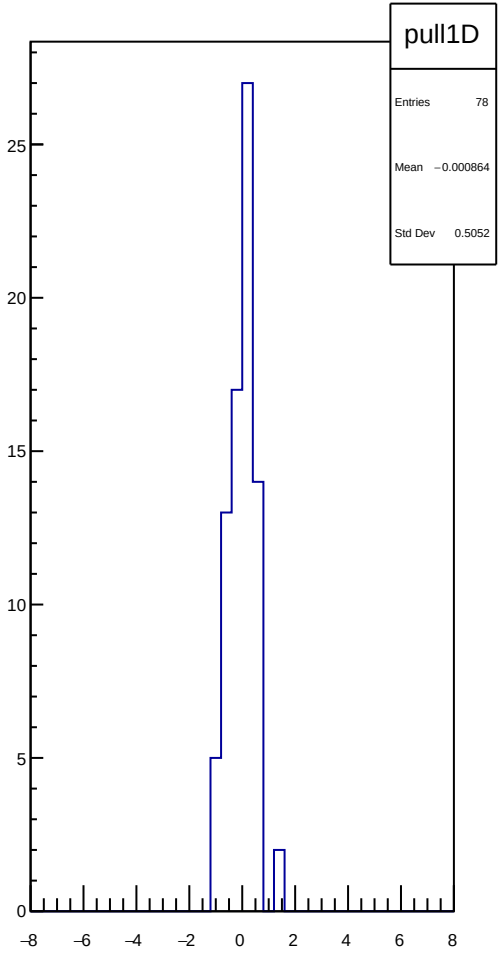

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 74.03 / 77
p0 −58.3 ± 0.4001
pull
Entries 78
Mean 75.3
Std Dev 31

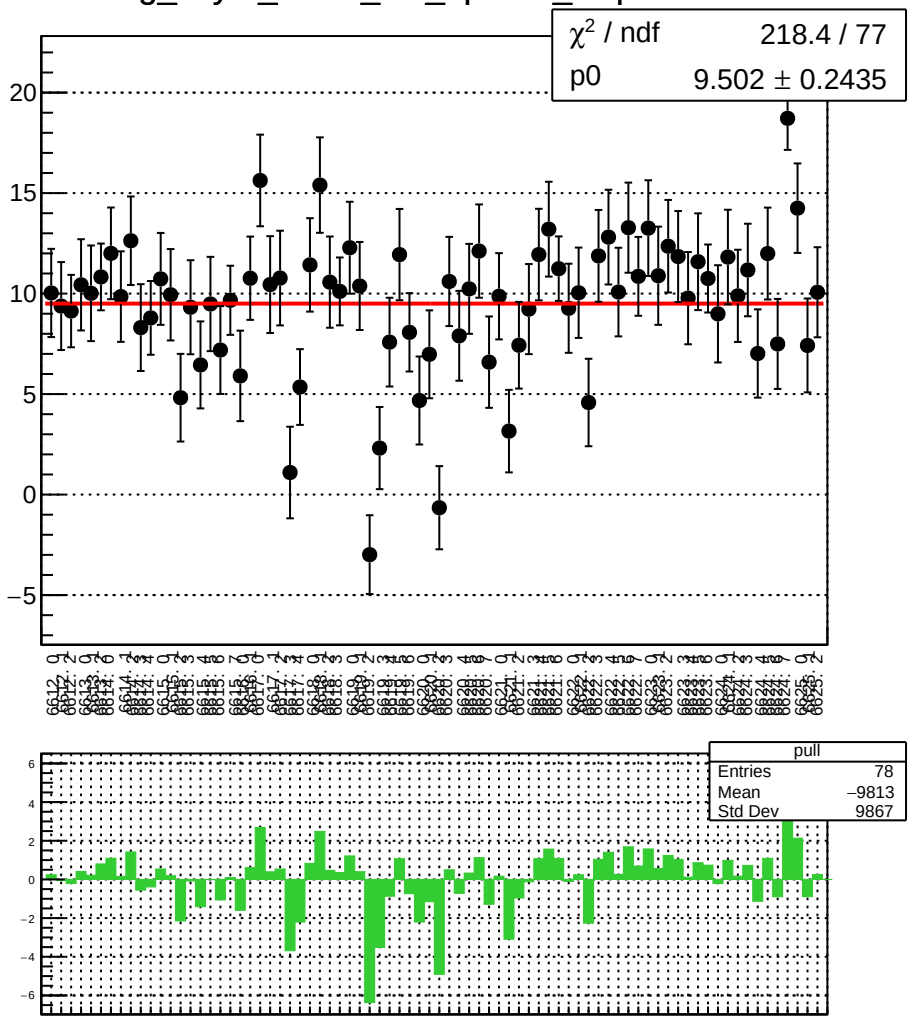

pull1D
Entries 78
Mean −0.05846
Std Dev 0.9725

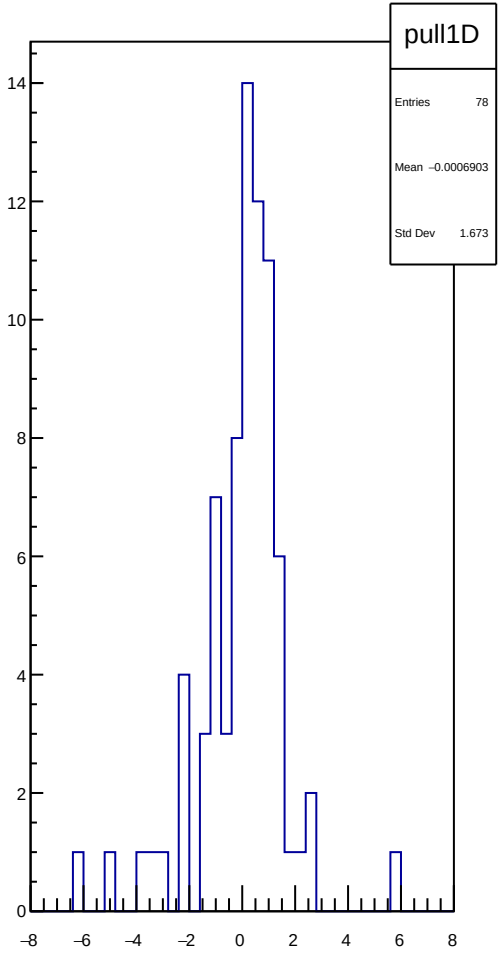

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 30.6 / 77
p0 −16.78 ± 0.3087
pull
Entries 78
Mean 17.68
Std Dev 201.8

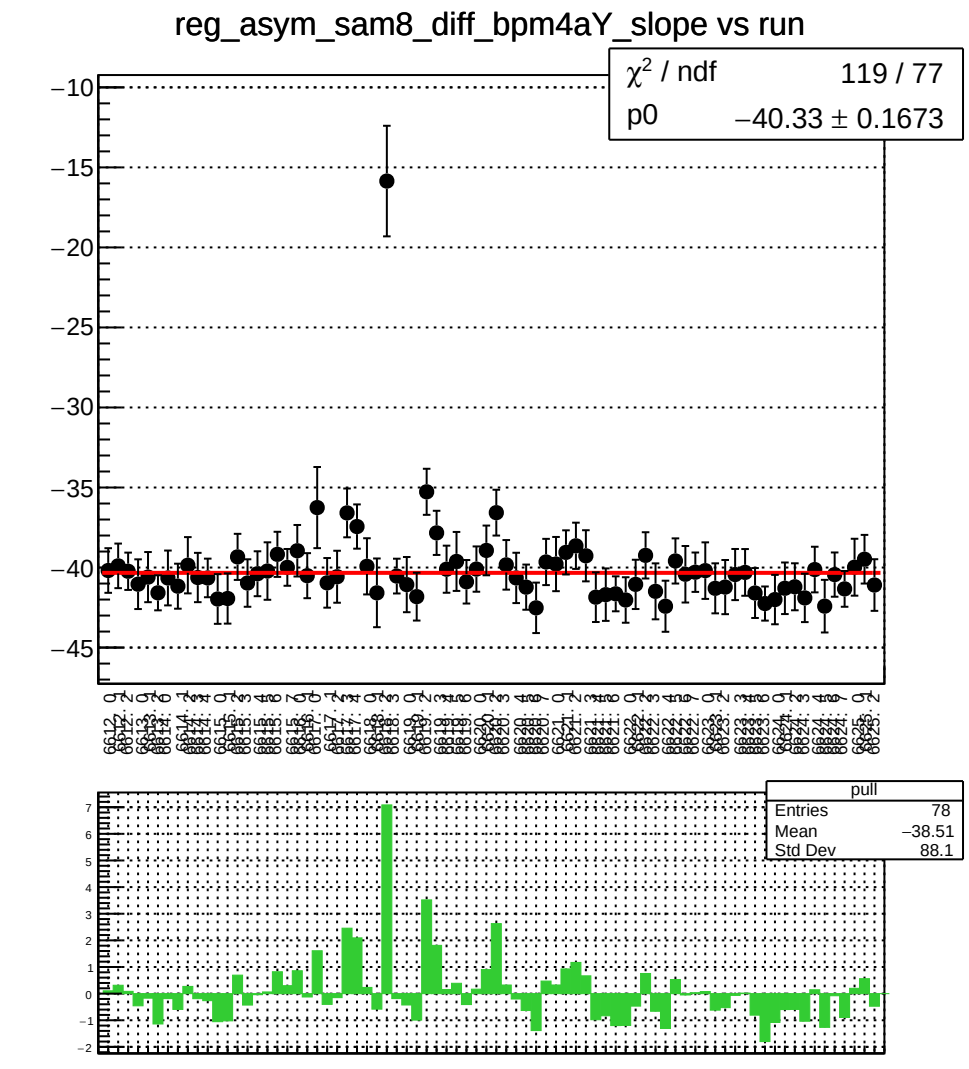

pull1D
Entries 78
Mean −0.002642
Std Dev 0.6263

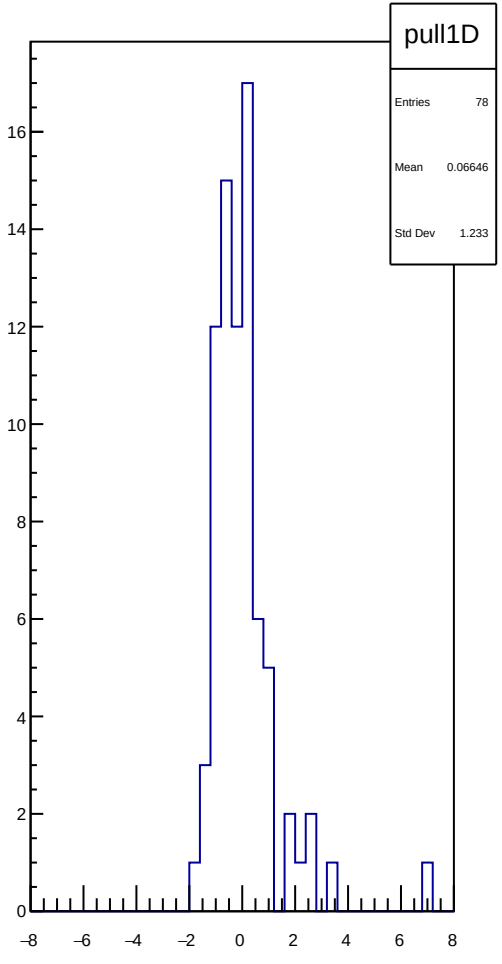

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 19.91 / 77
p0 0.4743 ± 0.01613
pull
Entries 78
Mean −5452
Std Dev 5492

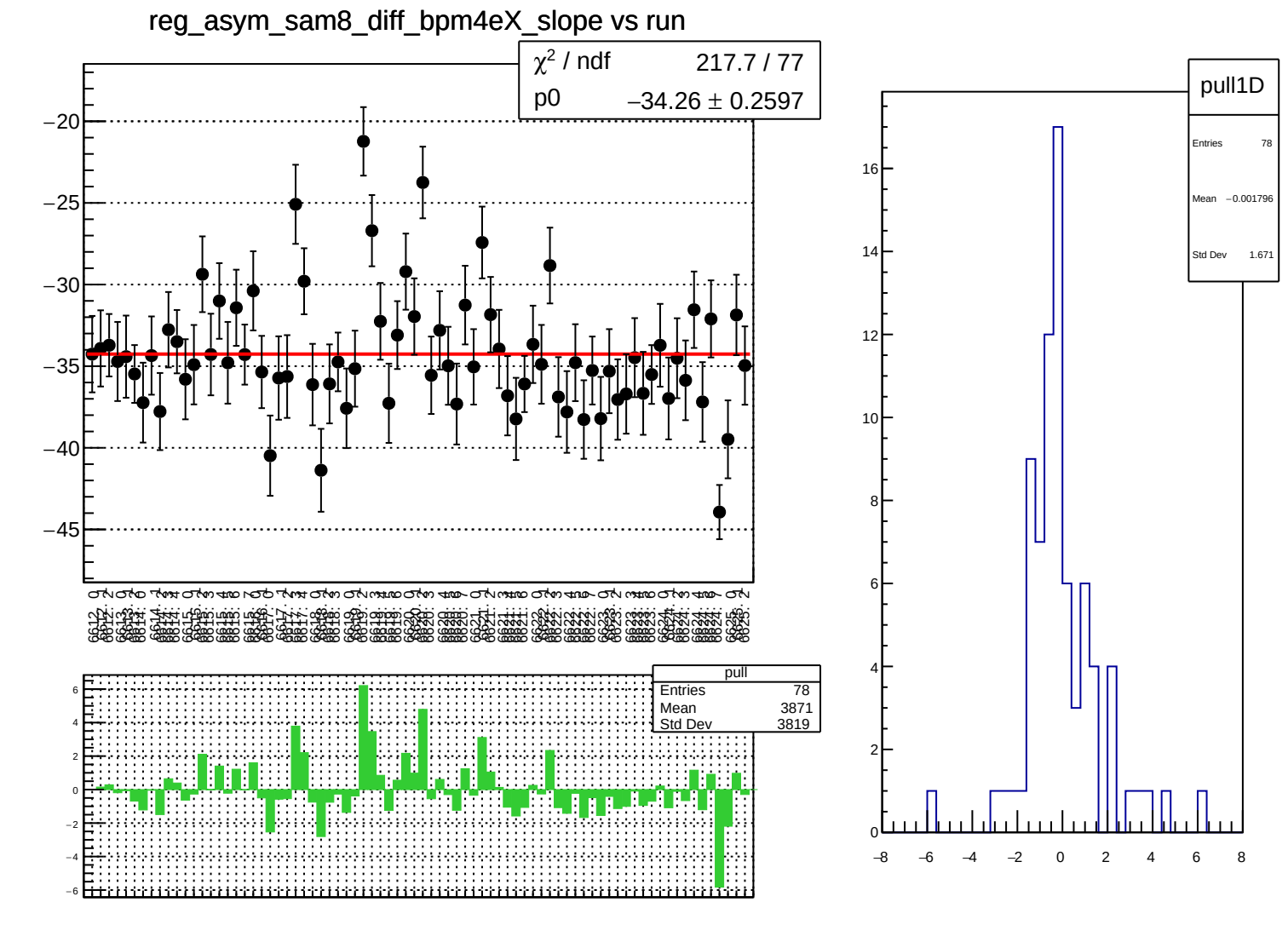

pull1D
Entries 78
Mean −0.000864
Std Dev 0.5052

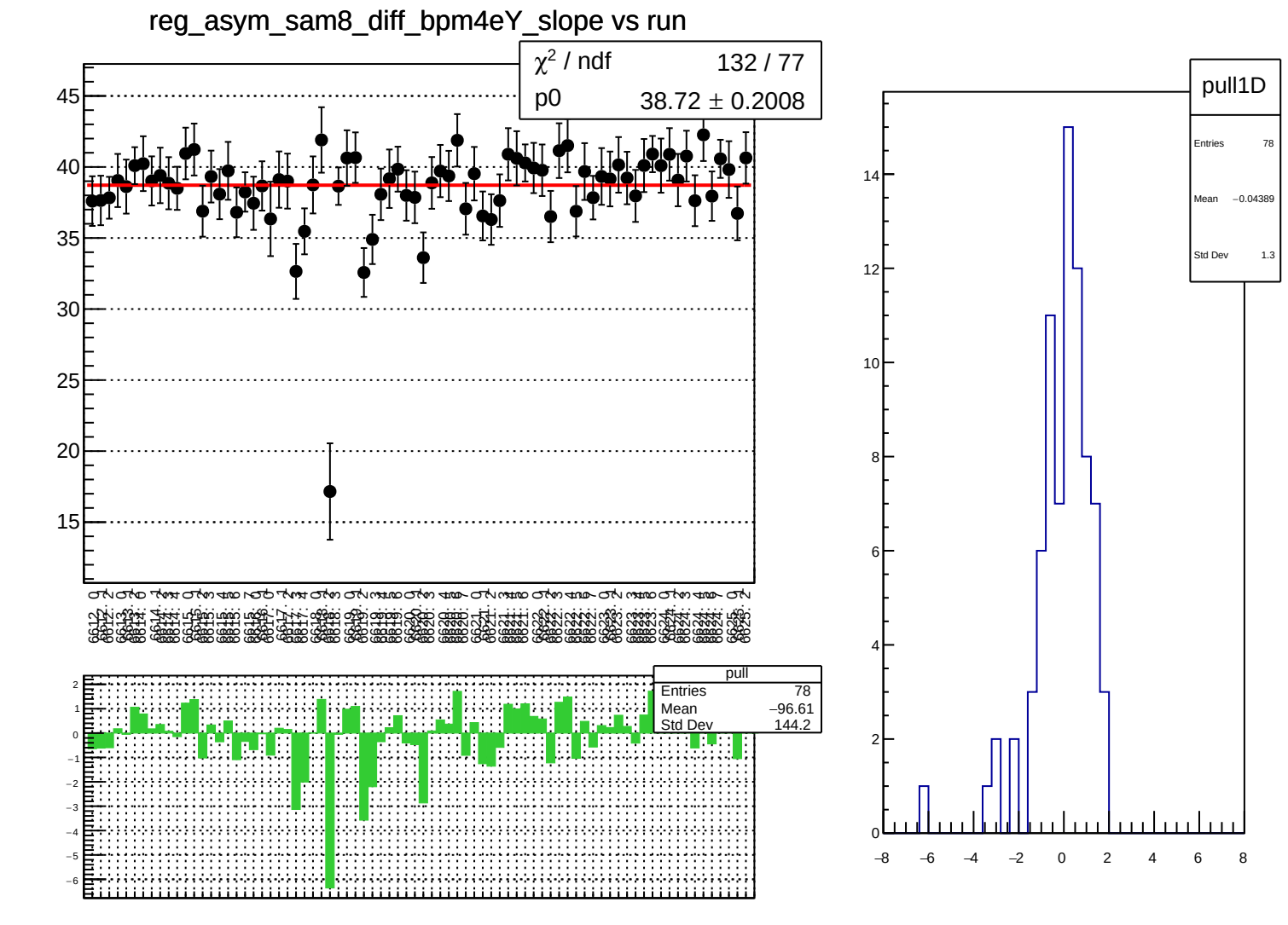

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 218.4 / 77
p0 9.502 ± 0.2435
pull
Entries 78
Mean −9813
Std Dev 9867

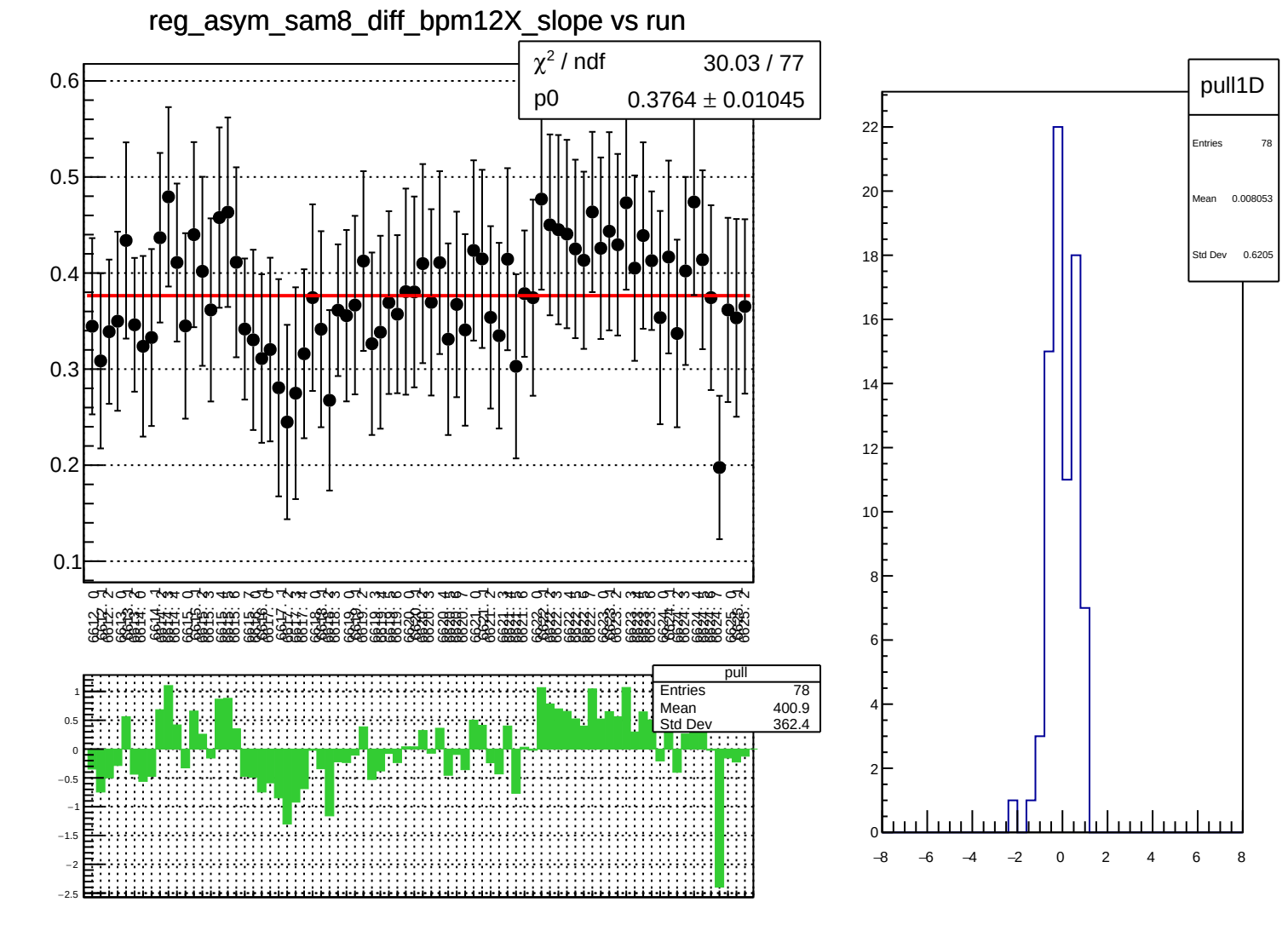

pull1D
Entries 78
Mean −0.0006903
Std Dev 1.673

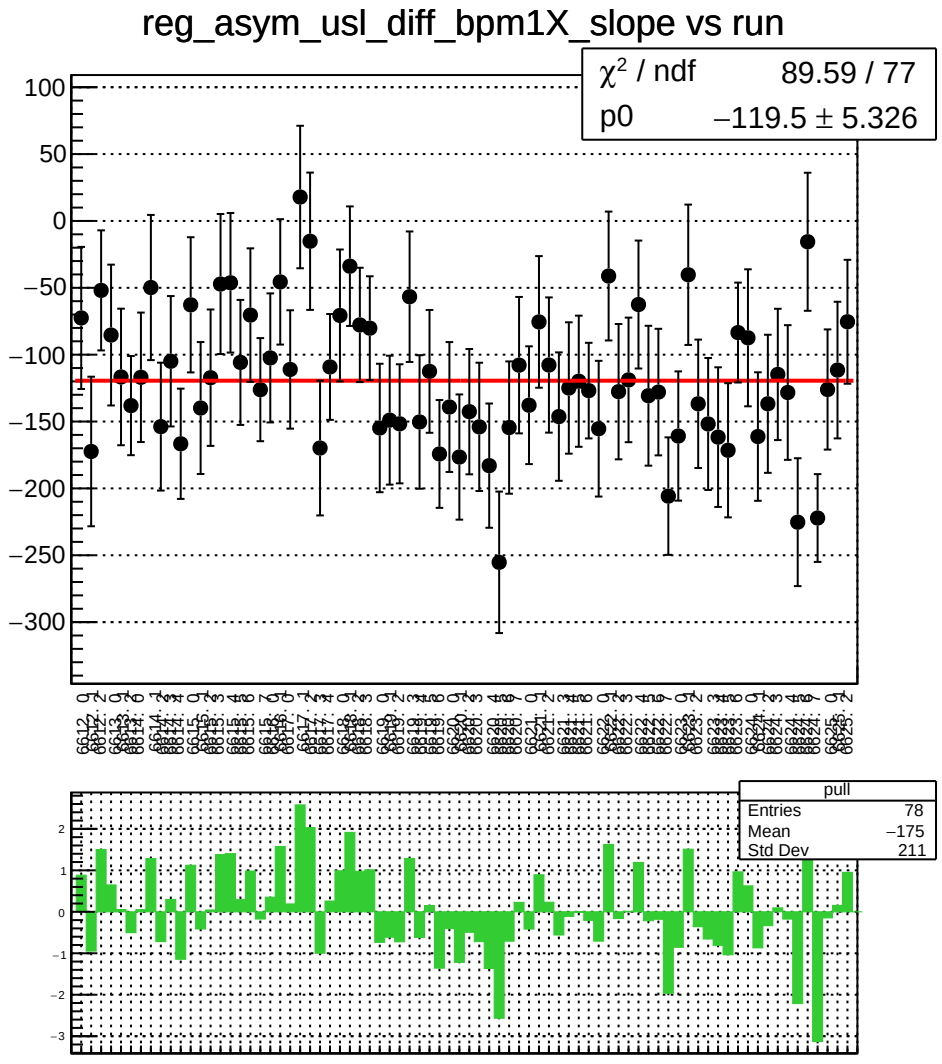

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 119 / 77
p0 −40.33 ± 0.1673
pull
Entries 78
Mean −38.51
Std Dev 88.1

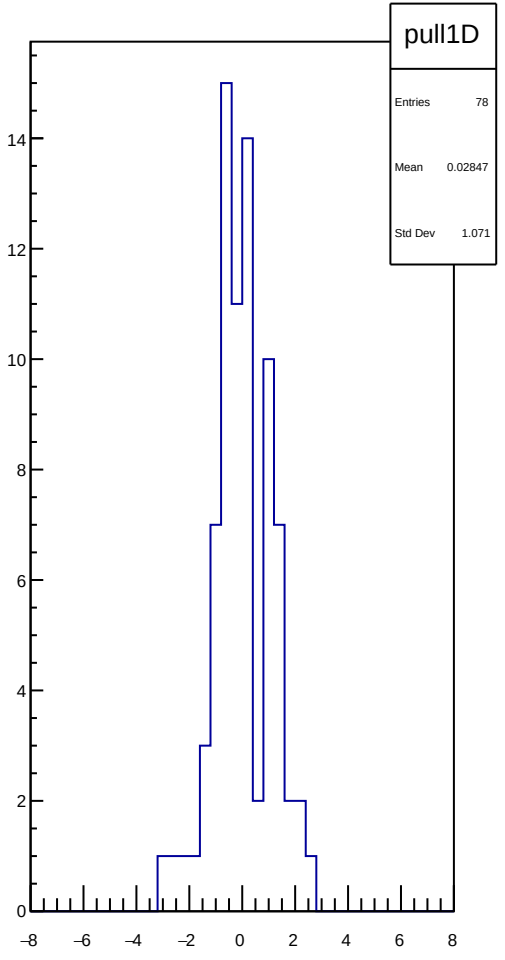

pull1D
Entries 78
Mean 0.06646
Std Dev 1.233

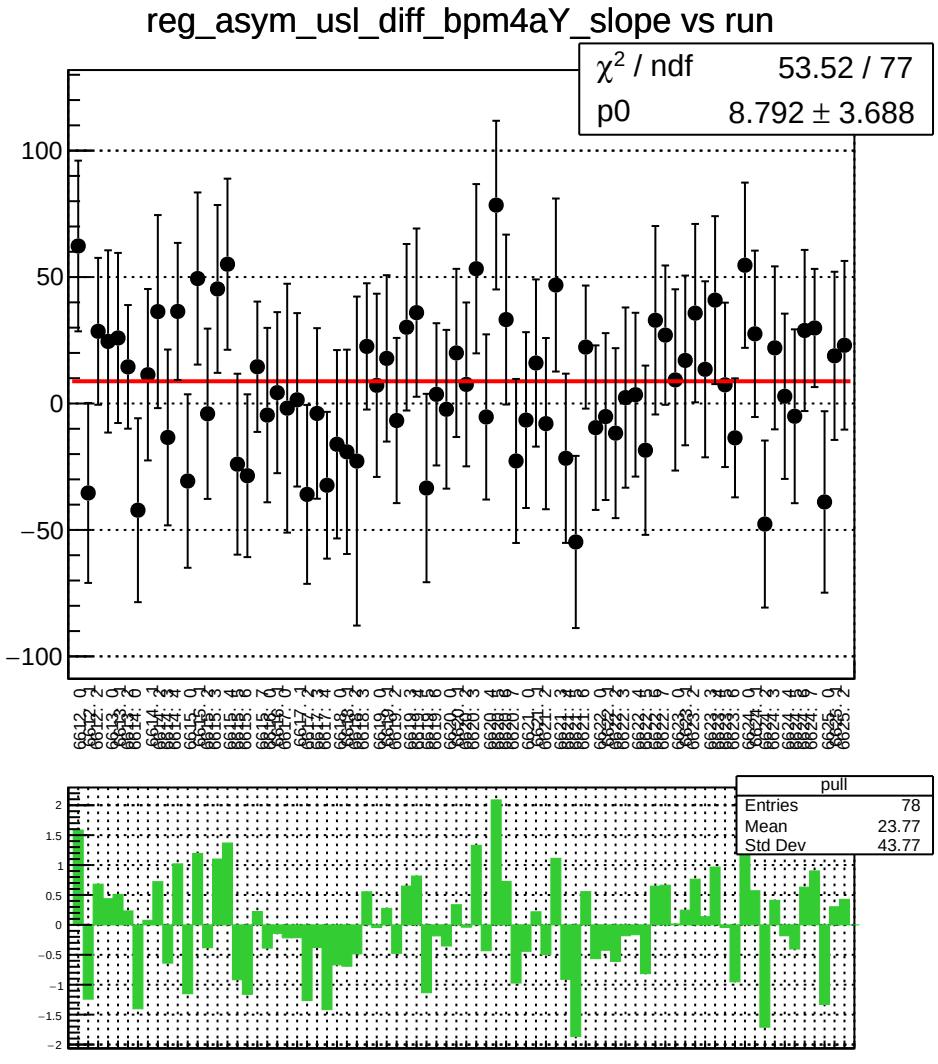

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 217.7 / 77
p0 −34.26 ± 0.2597
pull
Entries 78
Mean 3871
Std Dev 3819
pull1D
Entries 78
Mean −0.001796
Std Dev 1.671

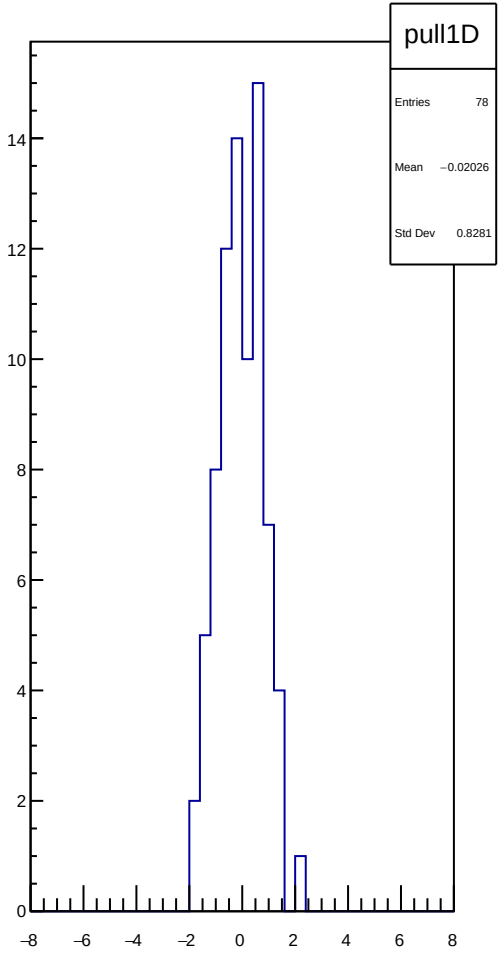

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 132 / 77
p0 38.72 ± 0.2008
pull
Entries 78
Mean −96.61
Std Dev 144.2
pull1D
Entries 78
Mean −0.04389
Std Dev 1.3

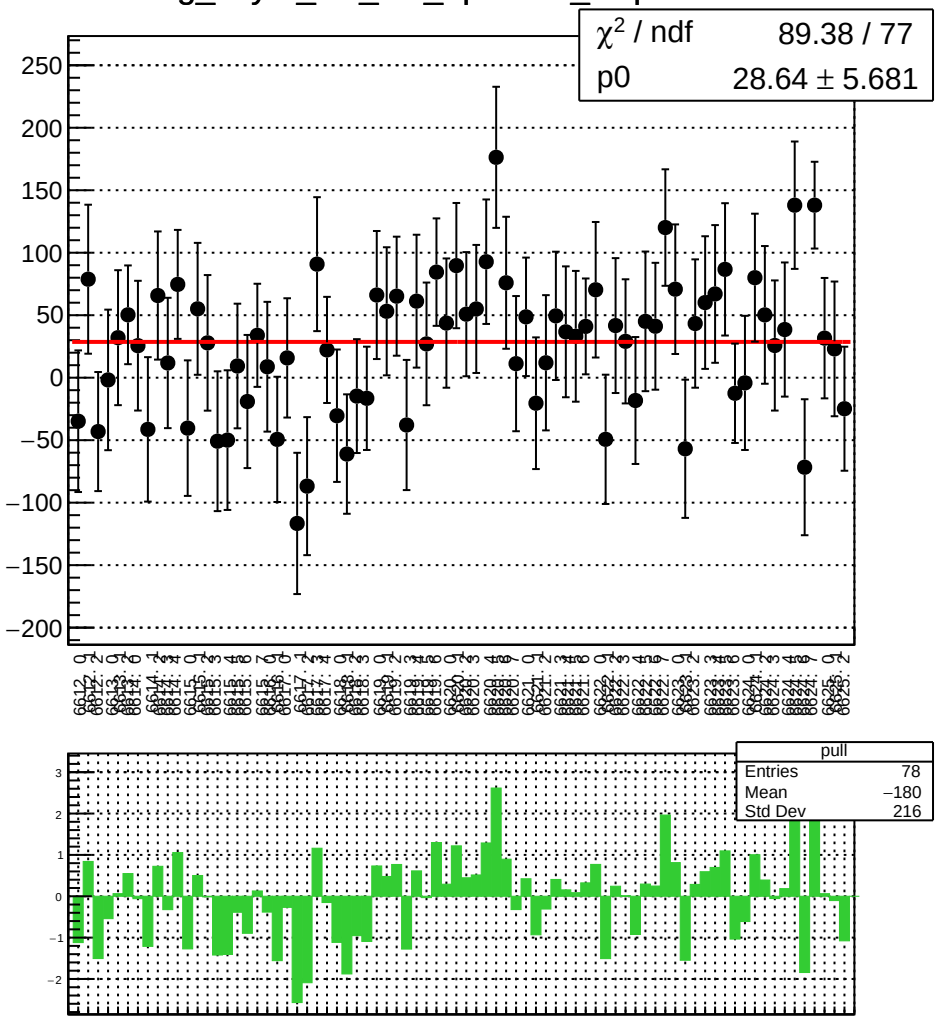

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 30.03 / 77
p0 0.3764 ± 0.01045
pull
Entries 78
Mean 400.9
Std Dev 362.4
pull1D
Entries 78
Mean 0.008053
Std Dev 0.6205

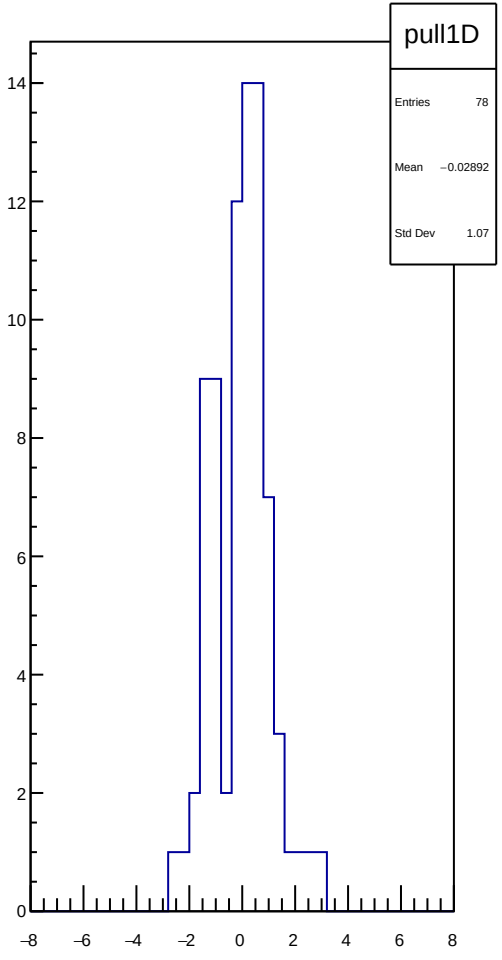

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 89.59 / 77
p0 −119.5 ± 5.326
pull
Entries 78
Mean −175
Std Dev 211

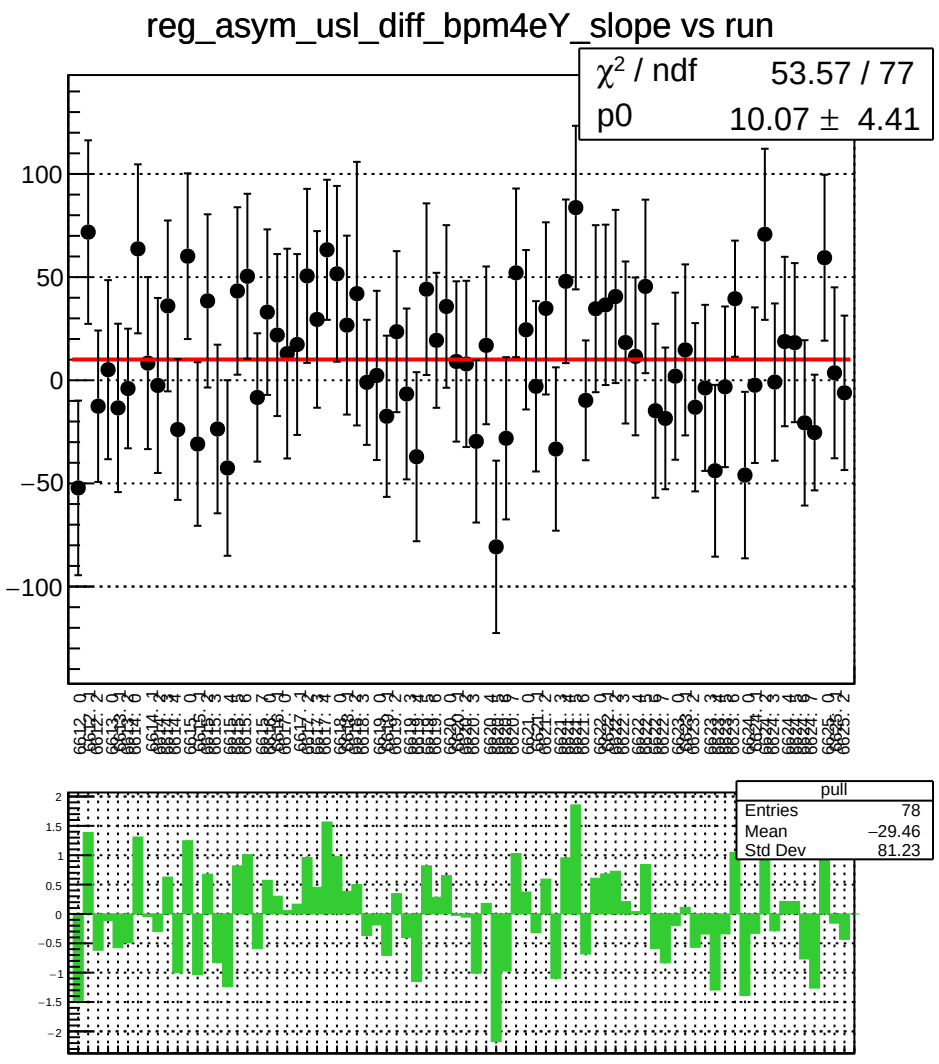

pull1D
Entries 78
Mean 0.02847
Std Dev 1.071

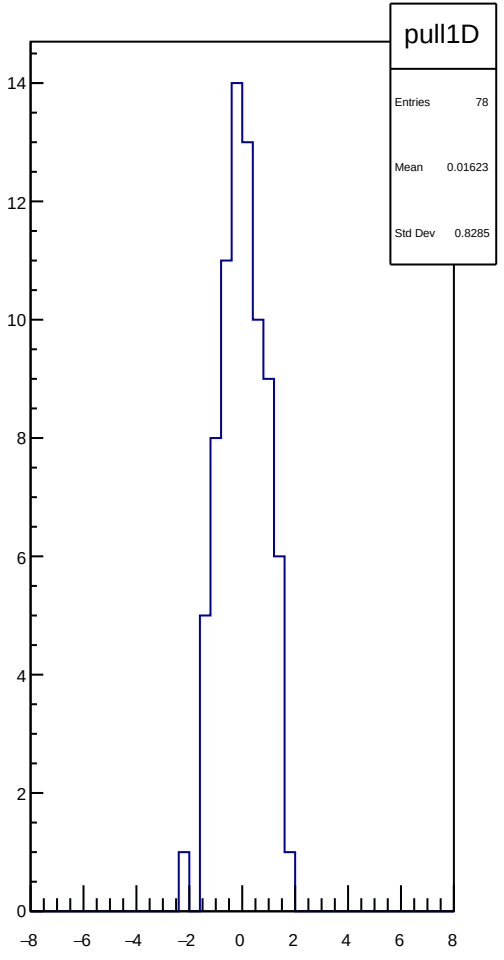

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 53.52 / 77
p0 8.792 ± 3.688
pull
Entries 78
Mean 23.77
Std Dev 43.77

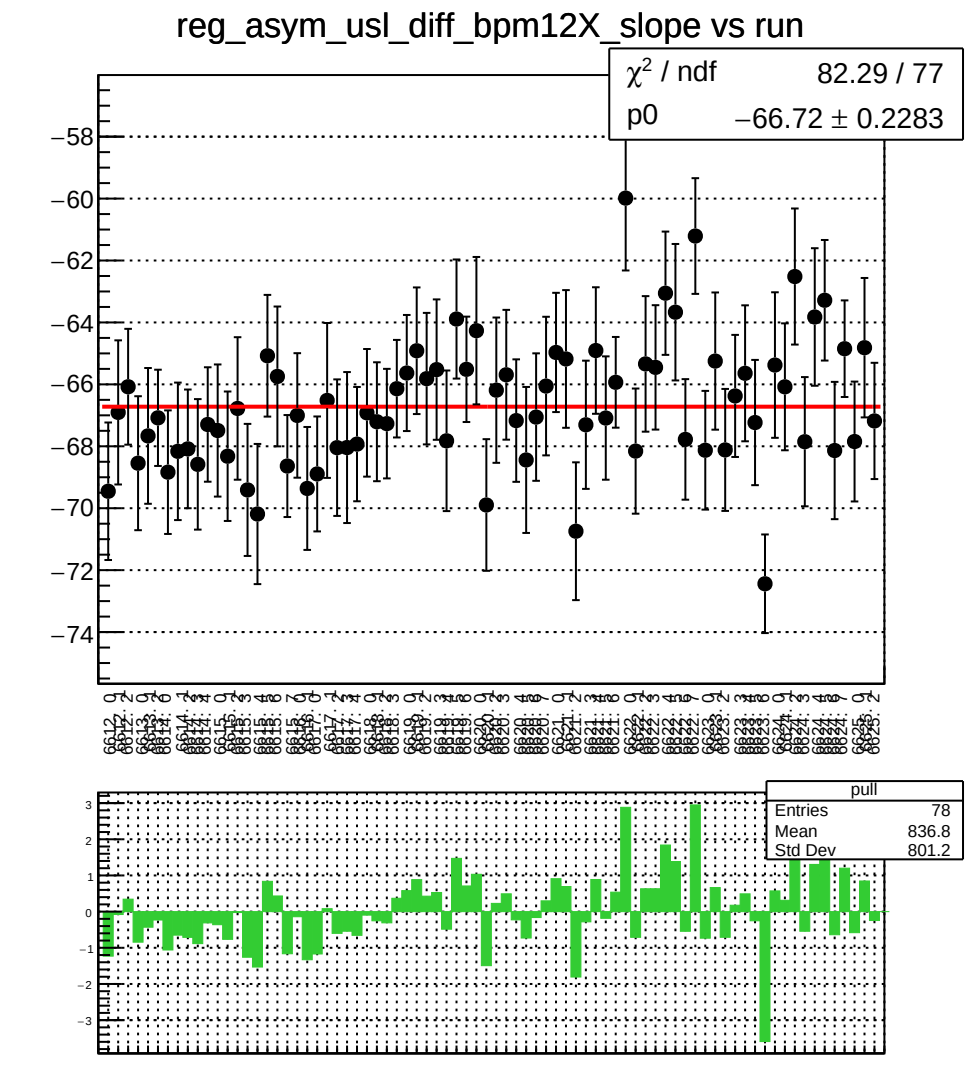

pull1D
Entries 78
Mean −0.02026
Std Dev 0.8281

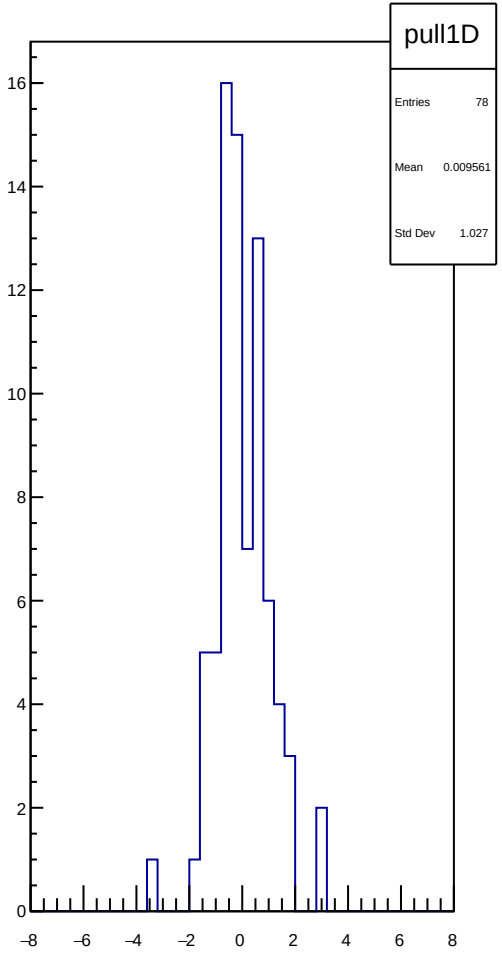

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 89.38 / 77
p0 28.64 ± 5.681
pull
Entries 78
Mean −180
Std Dev 216

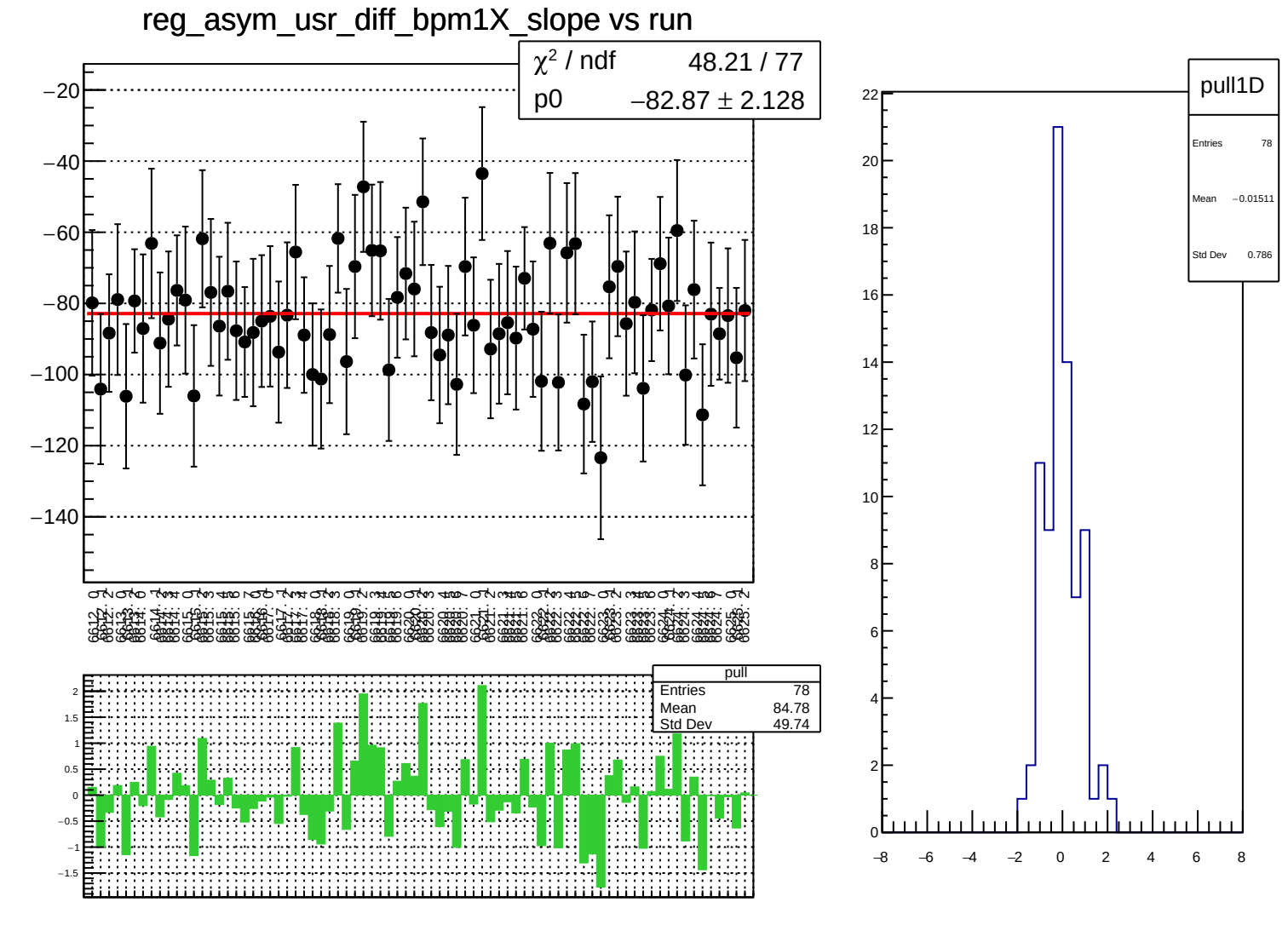

pull1D
Entries 78
Mean −0.02892
Std Dev 1.07

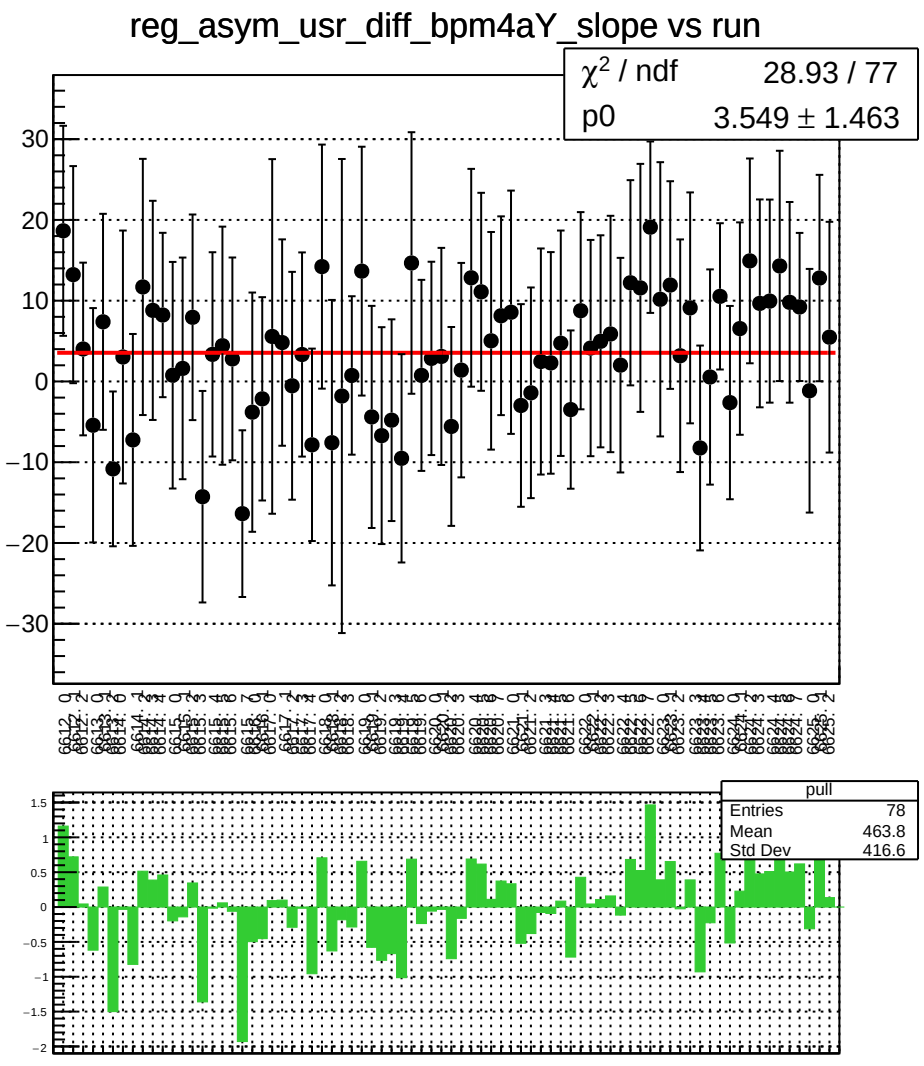

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 53.57 / 77
p0 10.07 ± 4.41
100
50
0
−50
−100
pull
Entries 78
Mean −29.46
Std Dev 81.23
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

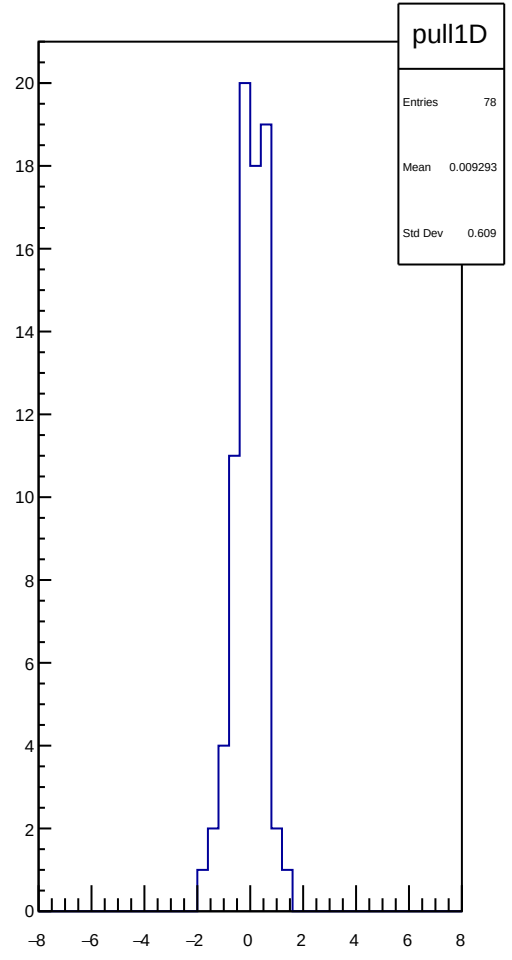

pull1D
Entries 78
Mean 0.01623
Std Dev 0.8285
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

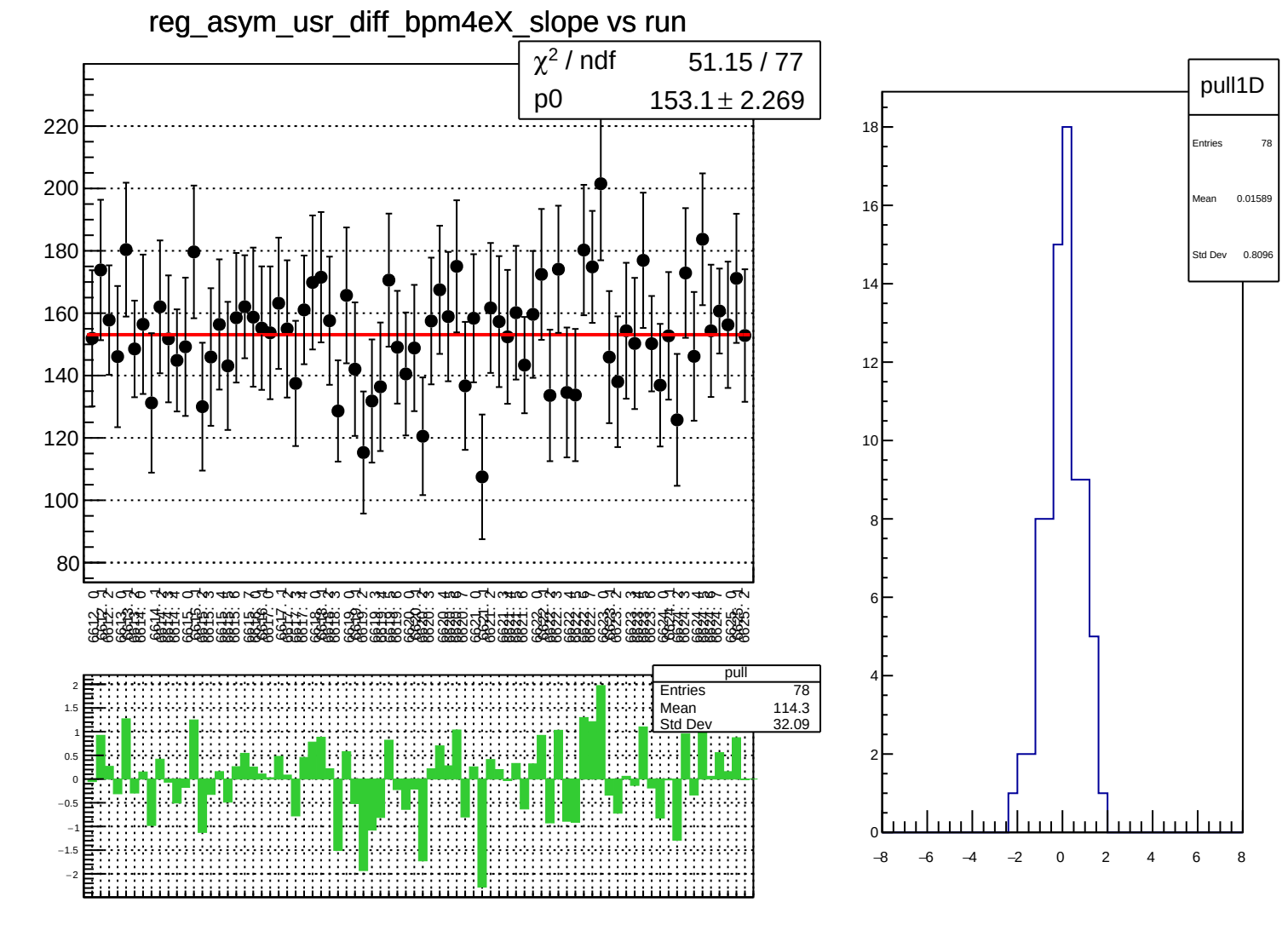

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 82.29 / 77
p0 −66.72 ± 0.2283
pull
Entries 78
Mean 836.8
Std Dev 801.2

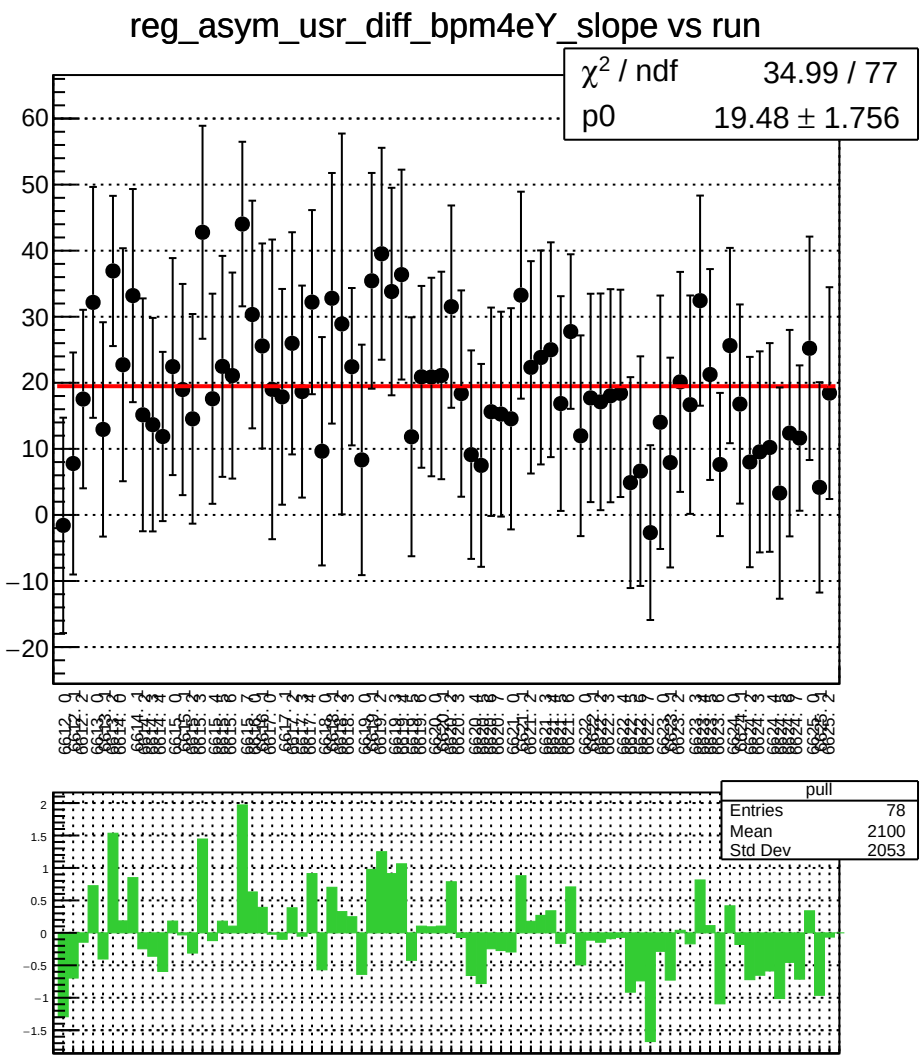

pull1D
Entries 78
Mean 0.009561
Std Dev 1.027

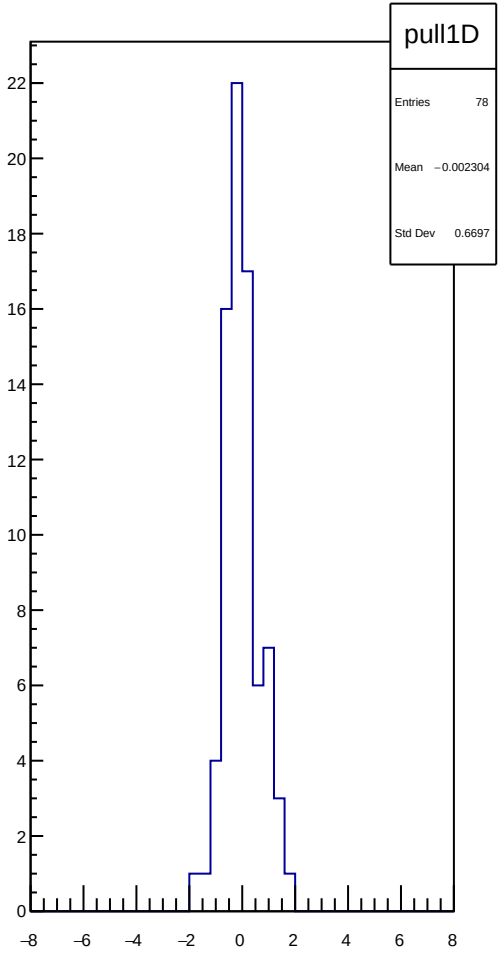

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 48.21 / 77
p0 −82.87 ± 2.128
pull
Entries 78
Mean 84.78
Std Dev 49.74
pull1D
Entries 78
Mean −0.01511
Std Dev 0.786

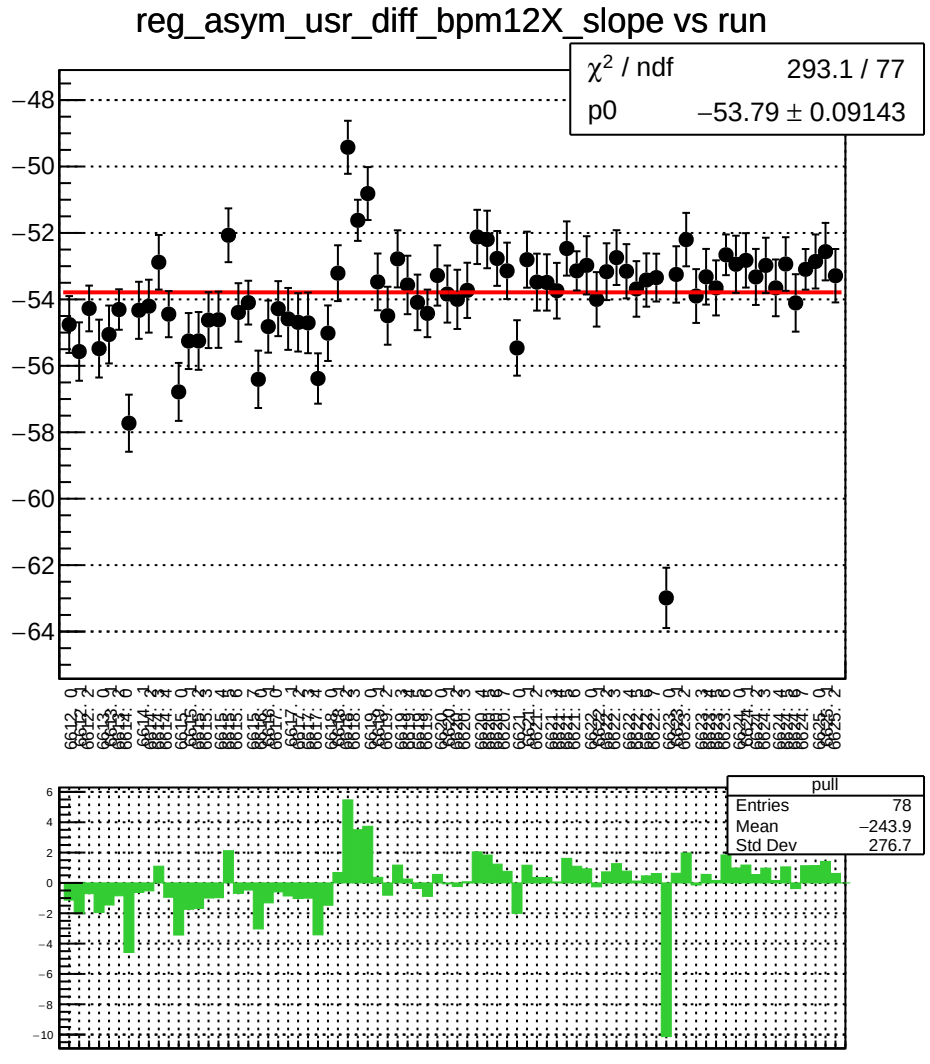

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 28.93 / 77
p0 3.549 ± 1.463
pull
Entries 78
Mean 463.8
Std Dev 416.6

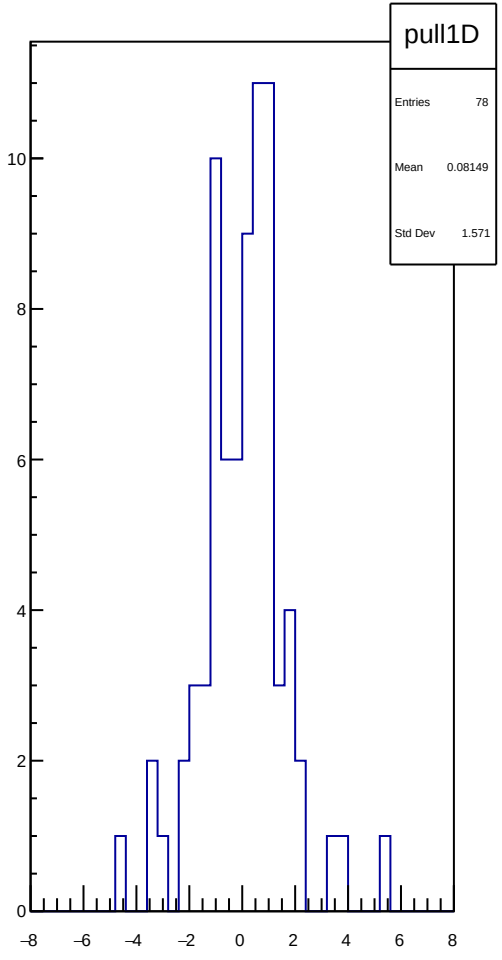

pull1D
Entries 78
Mean 0.009293
Std Dev 0.609

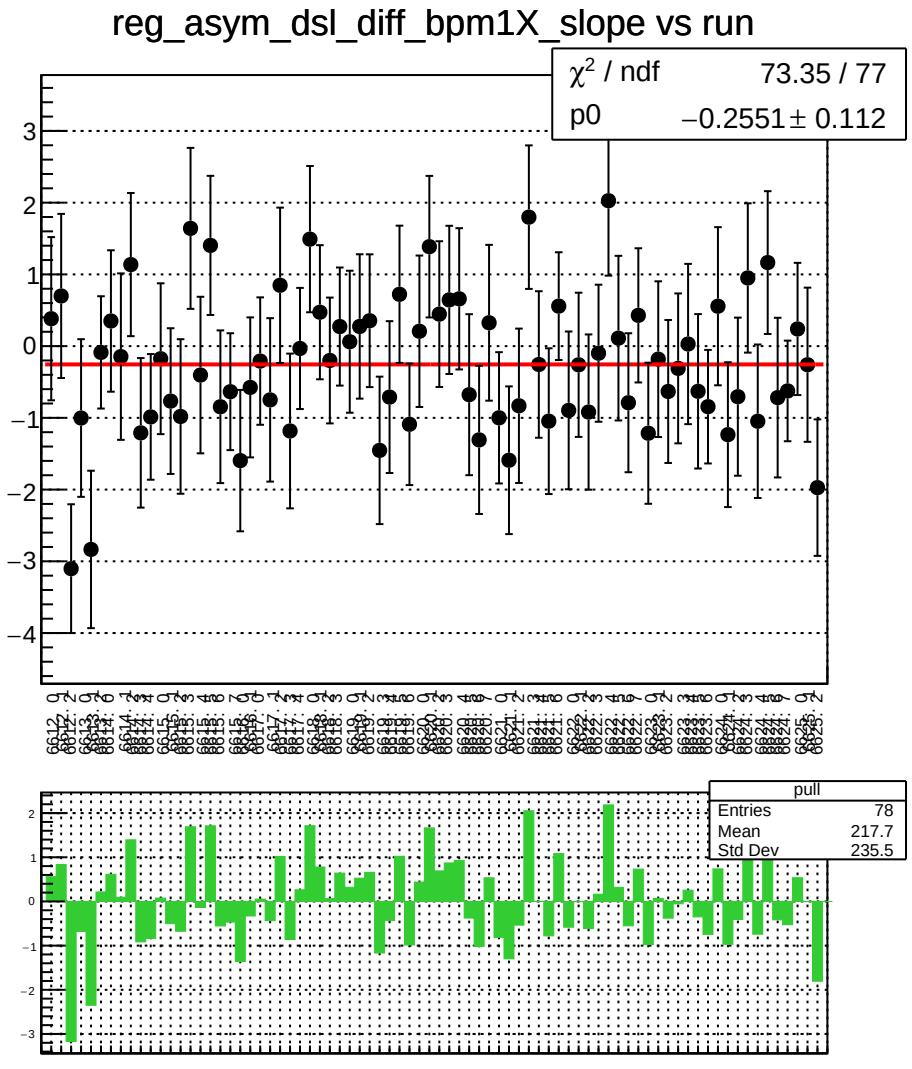

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 51.15 / 77
p0 153.1 ± 2.269
pull
Entries 78
Mean 114.3
Std Dev 32.09
pull1D
Entries 78
Mean 0.01589
Std Dev 0.8096

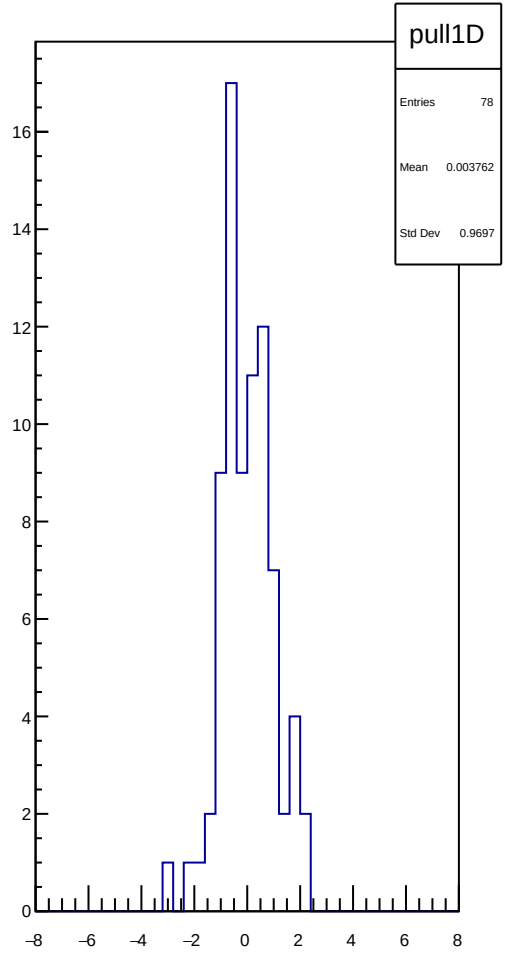

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 34.99 / 77
p0 19.48 ± 1.756
pull
Entries 78
Mean 2100
Std Dev 2053

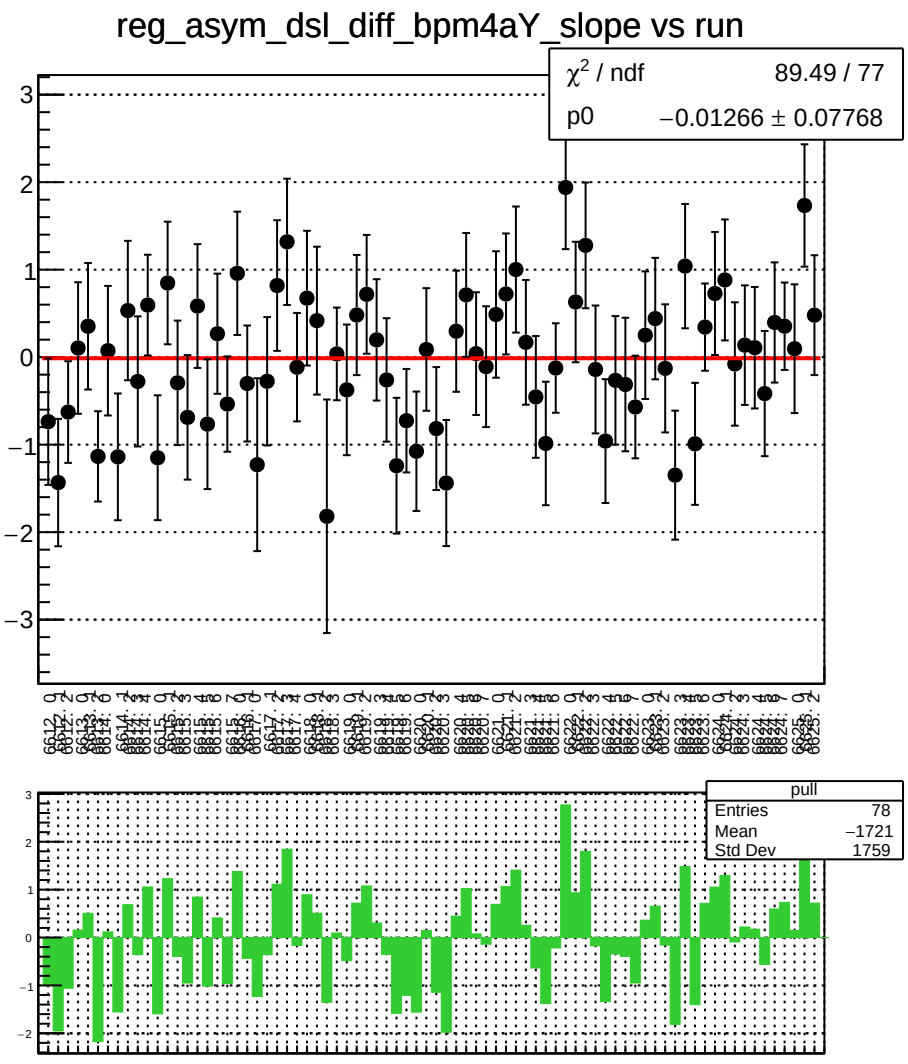

pull1D
Entries 78
Mean −0.002304
Std Dev 0.6697

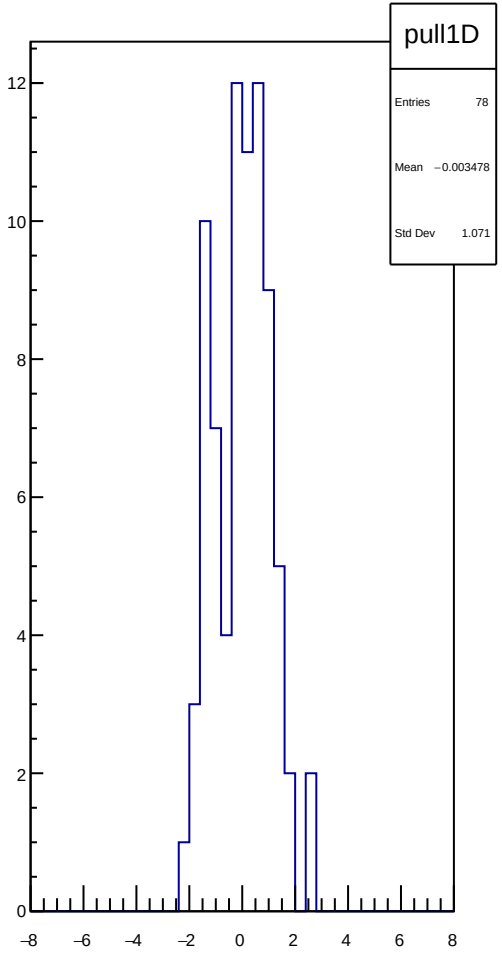

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 293.1 / 77
p0 −53.79 ± 0.09143
pull
Entries 78
Mean −243.9
Std Dev 276.7

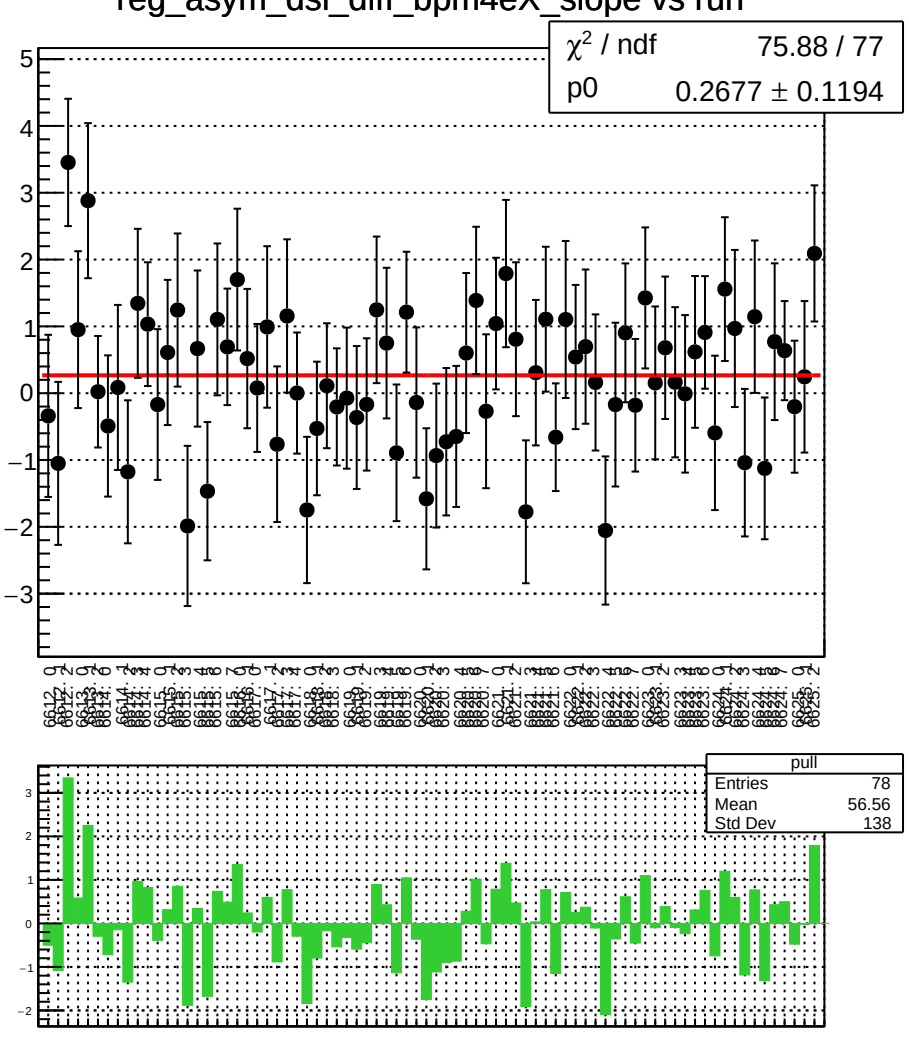

pull1D
Entries 78
Mean 0.08149
Std Dev 1.571

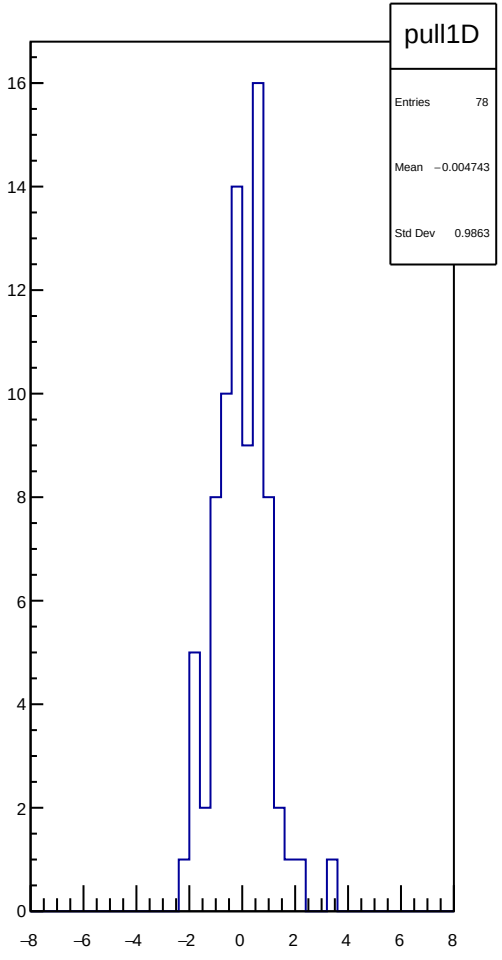

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 73.35 / 77
p0 −0.2551 ± 0.112
pull
Entries 78
Mean 217.7
Std Dev 235.5

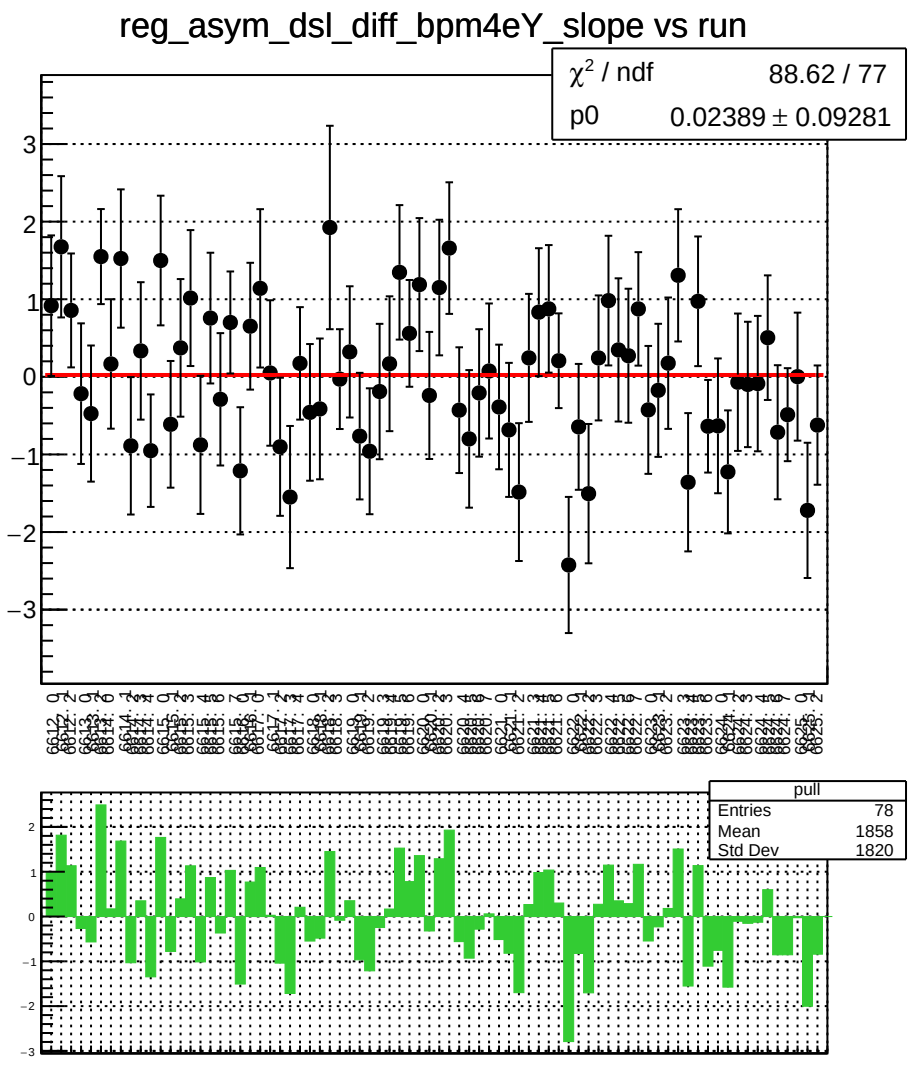

pull1D
Entries 78
Mean 0.003762
Std Dev 0.9697

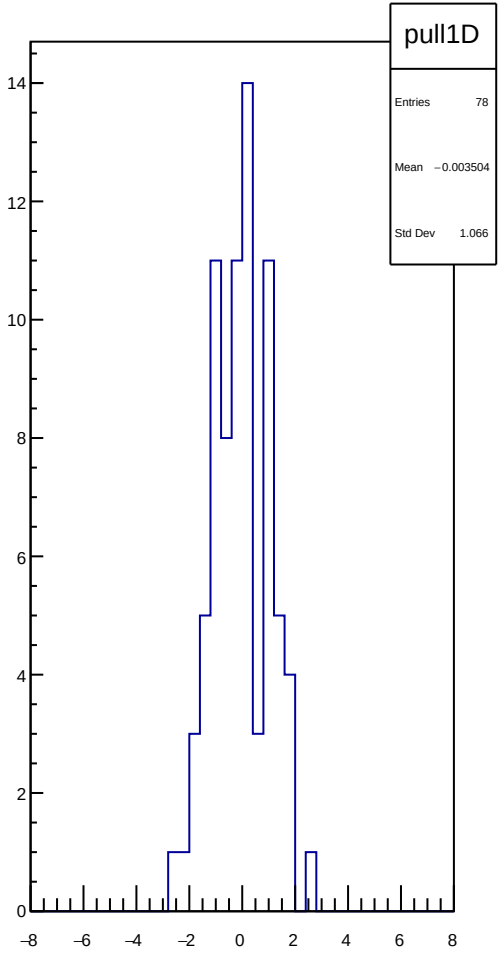

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 89.49 / 77
p0 −0.01266 ± 0.07768
pull
Entries 78
Mean −1721
Std Dev 1759

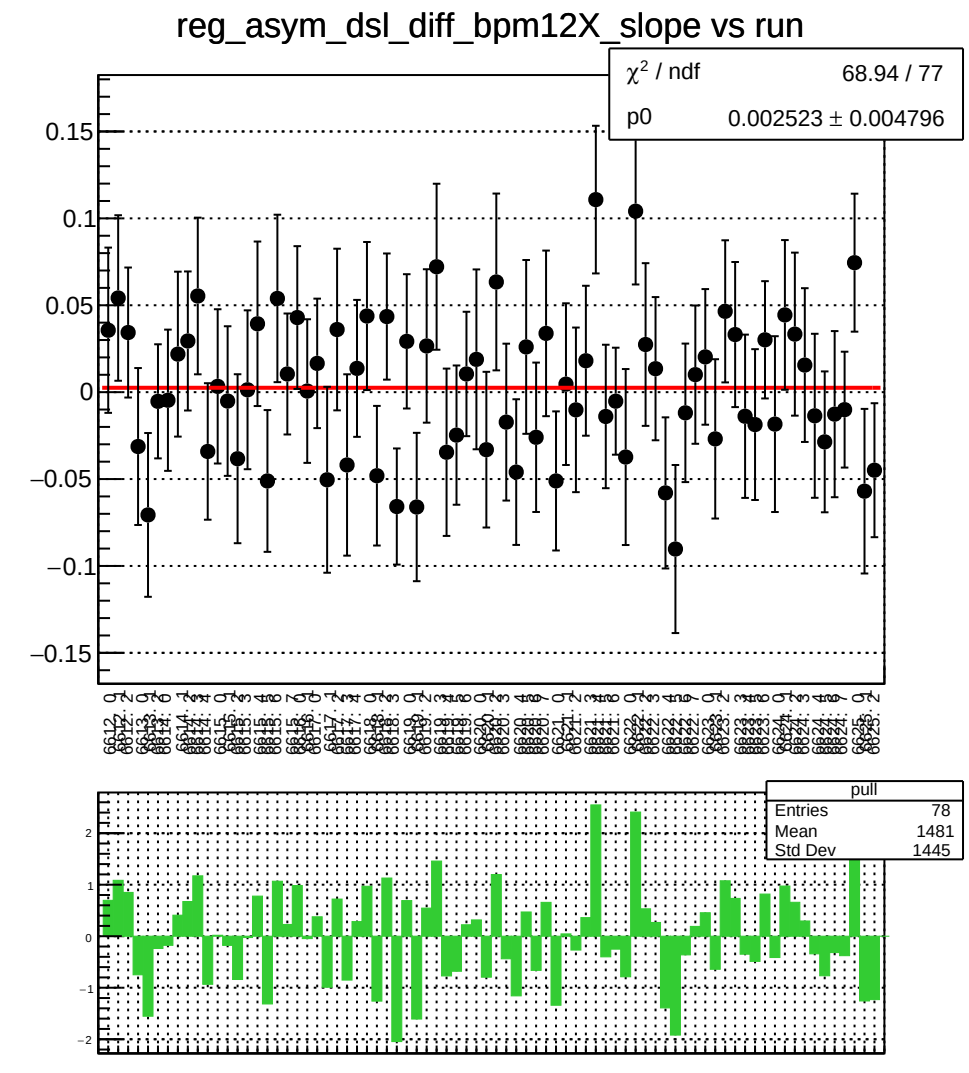

pull1D
Entries 78
Mean −0.003478
Std Dev 1.071

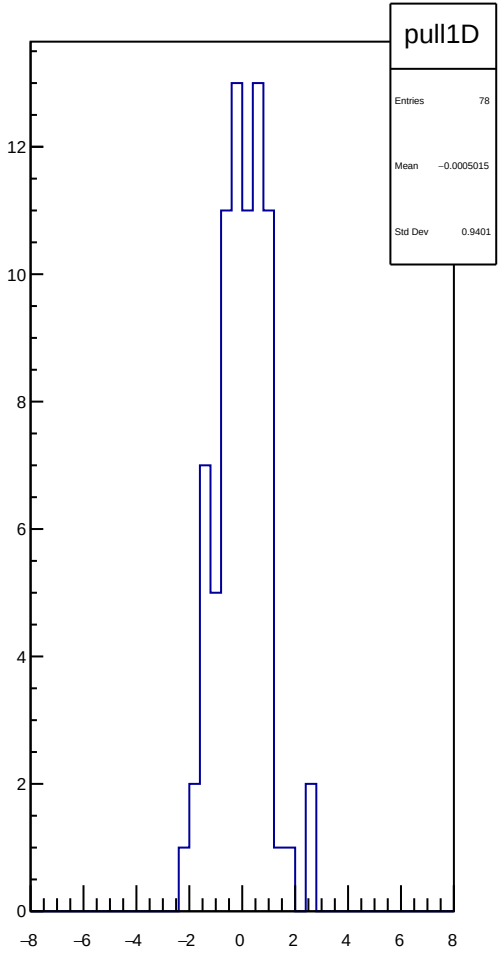

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 75.88 / 77
p0 0.2677 ± 0.1194
pull
Entries 78
Mean 56.56
Std Dev 138

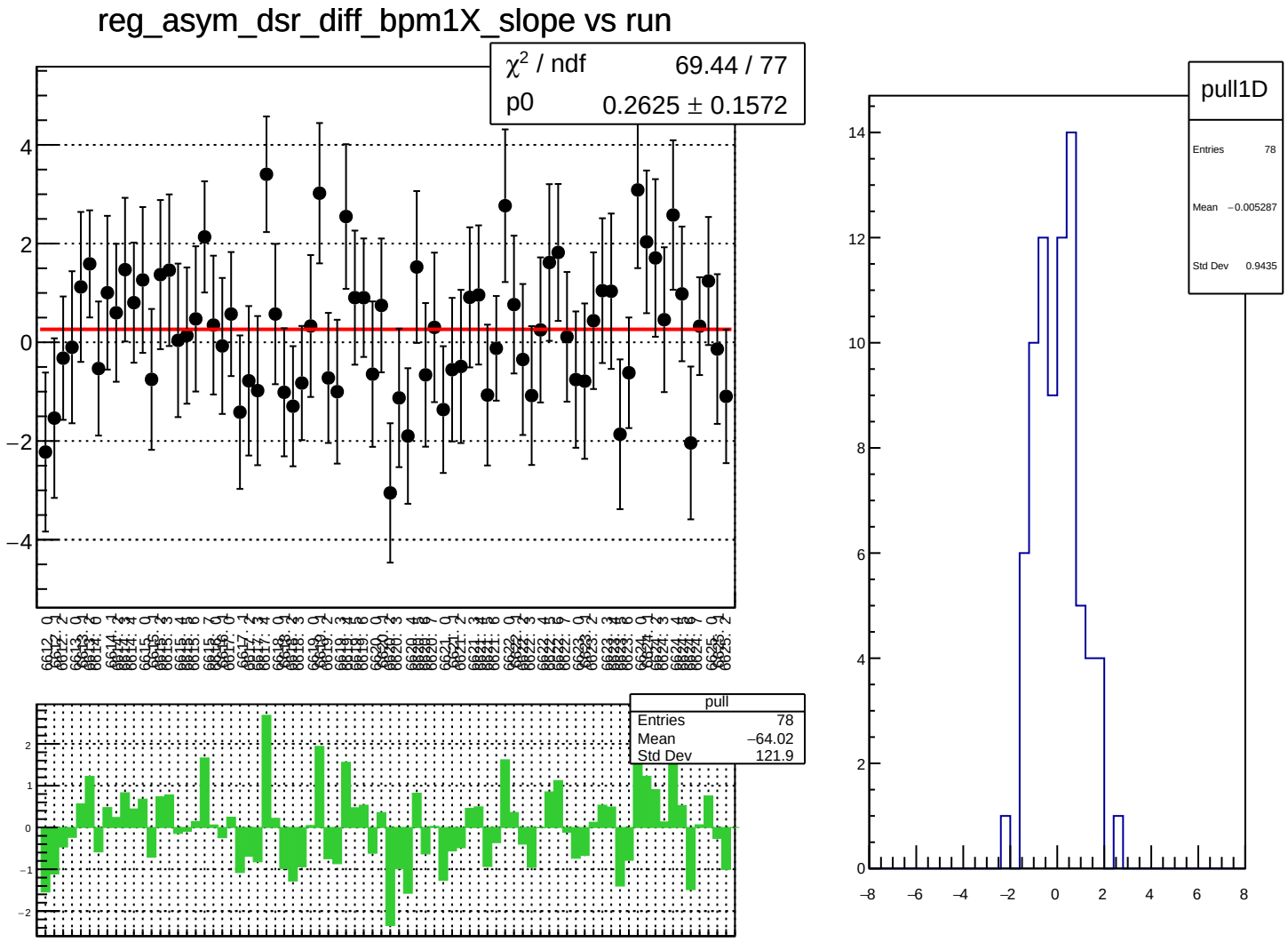

pull1D
Entries 78
Mean −0.004743
Std Dev 0.9863

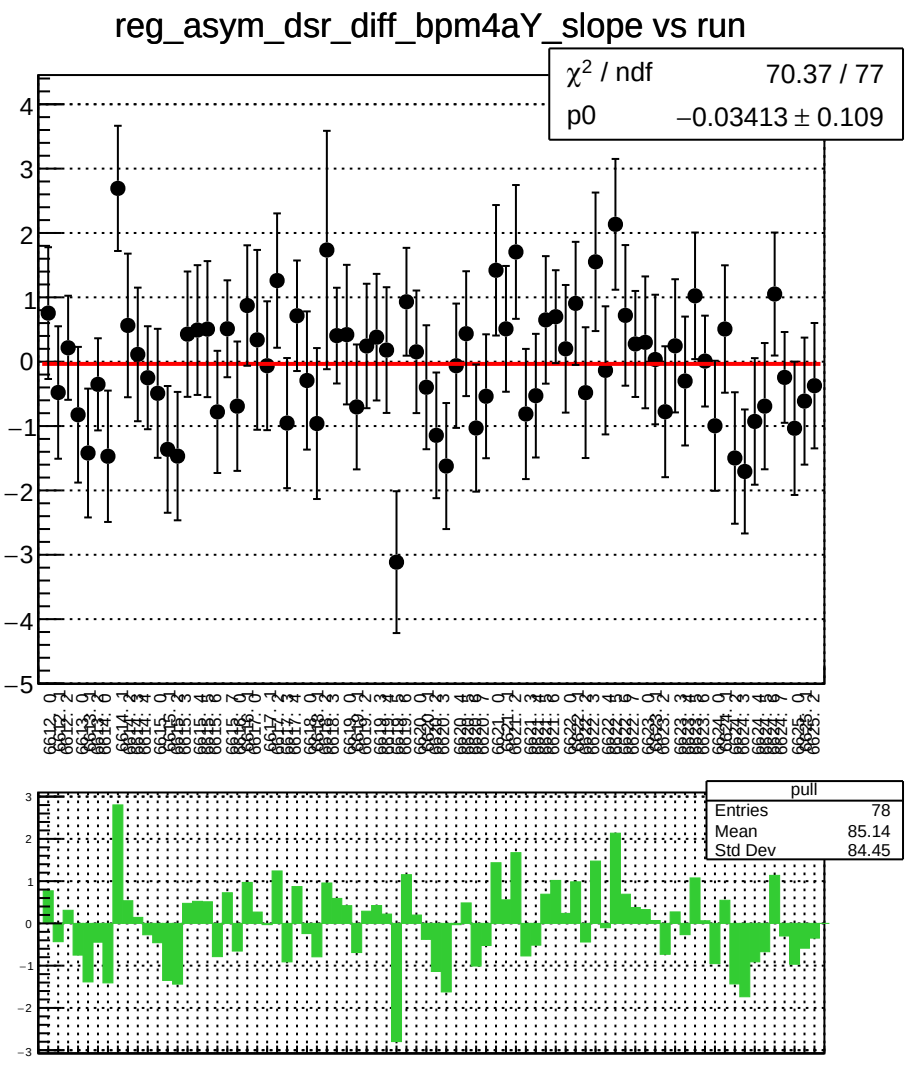

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 88.62 / 77
p0 0.02389 ± 0.09281
pull
Entries 78
Mean 1858
Std Dev 1820

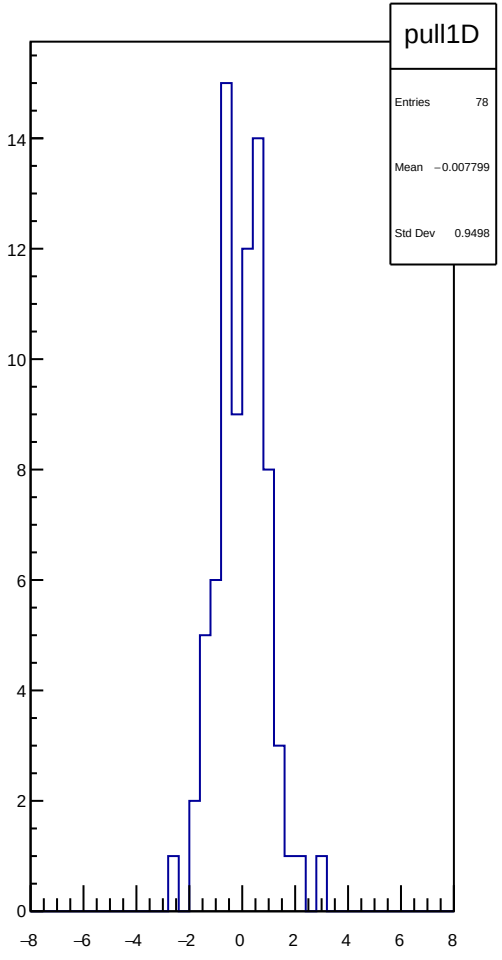

pull1D
Entries 78
Mean −0.003504
Std Dev 1.066

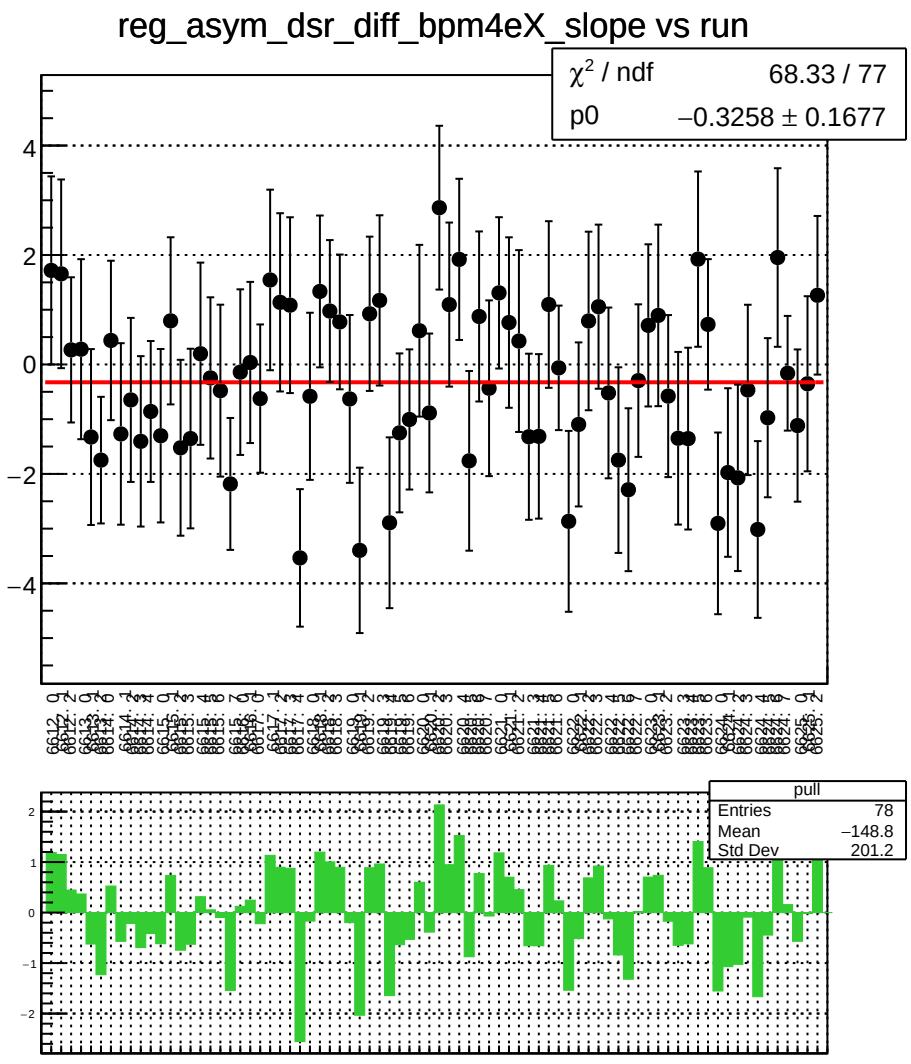

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 68.94 / 77
p0 0.002523 ± 0.004796
pull
Entries 78
Mean 1481
Std Dev 1445

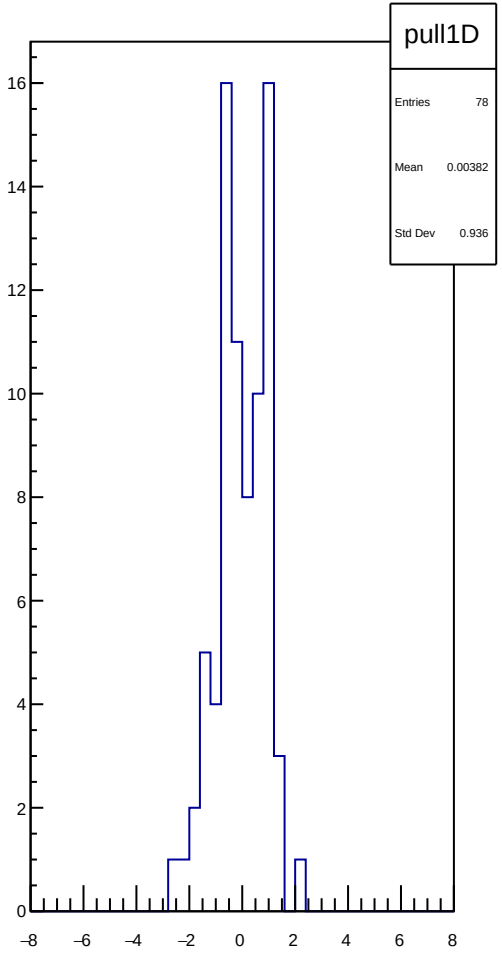

pull1D
Entries 78
Mean −0.0005015
Std Dev 0.9401

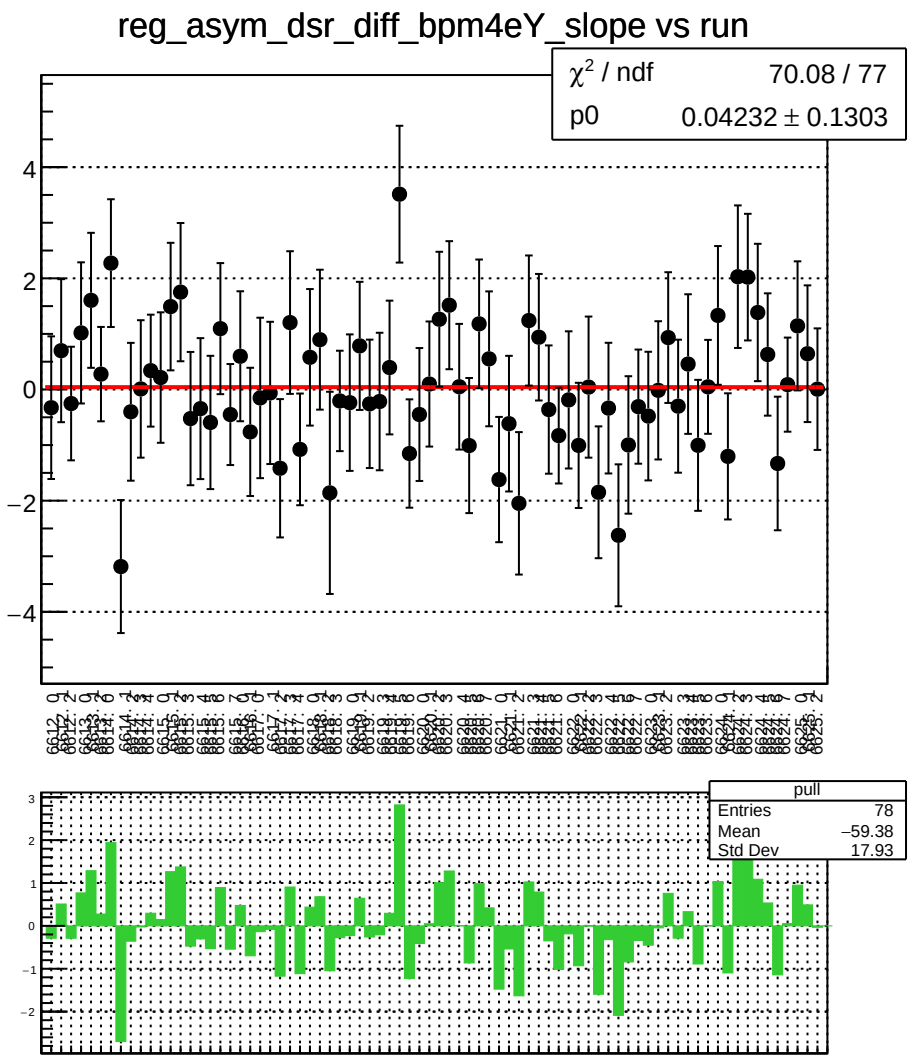

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 69.44 / 77
p0 0.2625 ± 0.1572
pull
Entries 78
Mean −64.02
Std Dev 121.9
pull1D
Entries 78
Mean −0.005287
Std Dev 0.9435

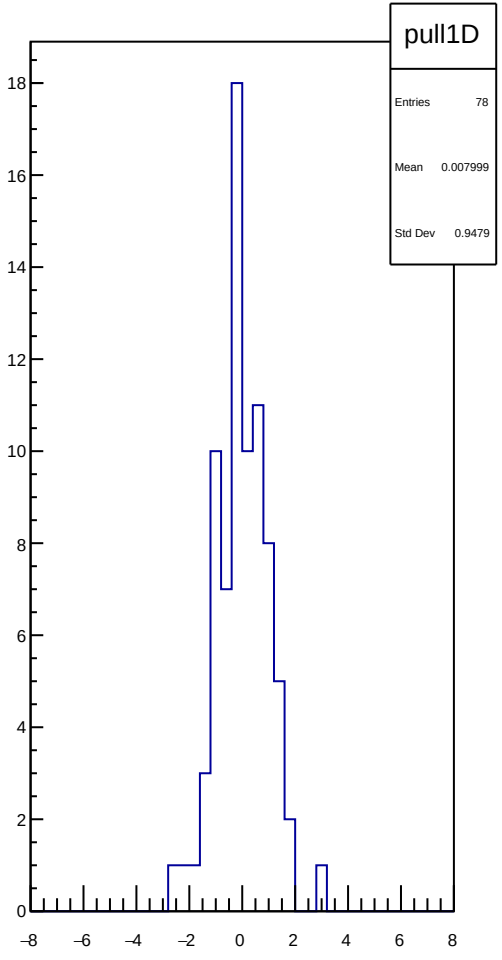

reg_asym_dsr_diff_bpm4aY_slope vs run
χ^2 / ndf 70.37 / 77
p0 −0.03413 ± 0.109
pull
Entries 78
Mean 85.14
Std Dev 84.45

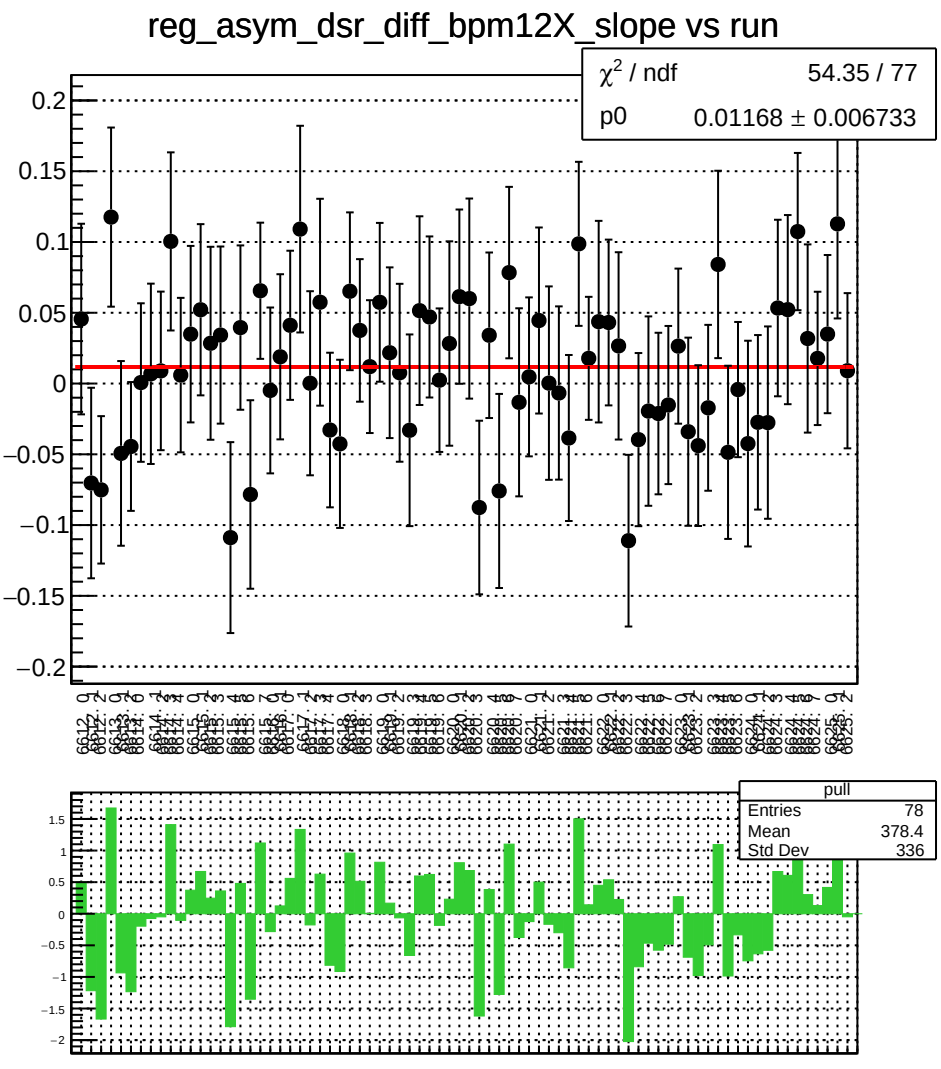

pull1D
Entries 78
Mean −0.007799
Std Dev 0.9498

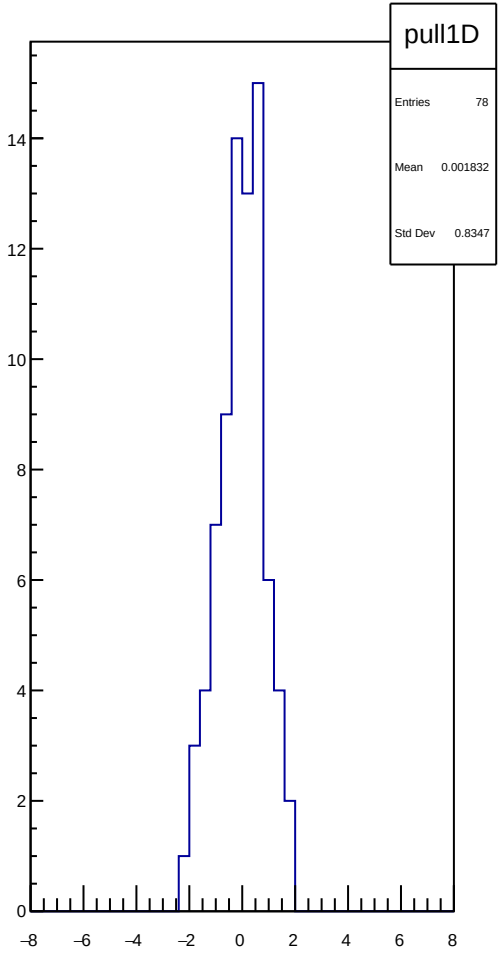

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 68.33 / 77
p0 −0.3258 ± 0.1677
pull
Entries 78
Mean −148.8
Std Dev 201.2

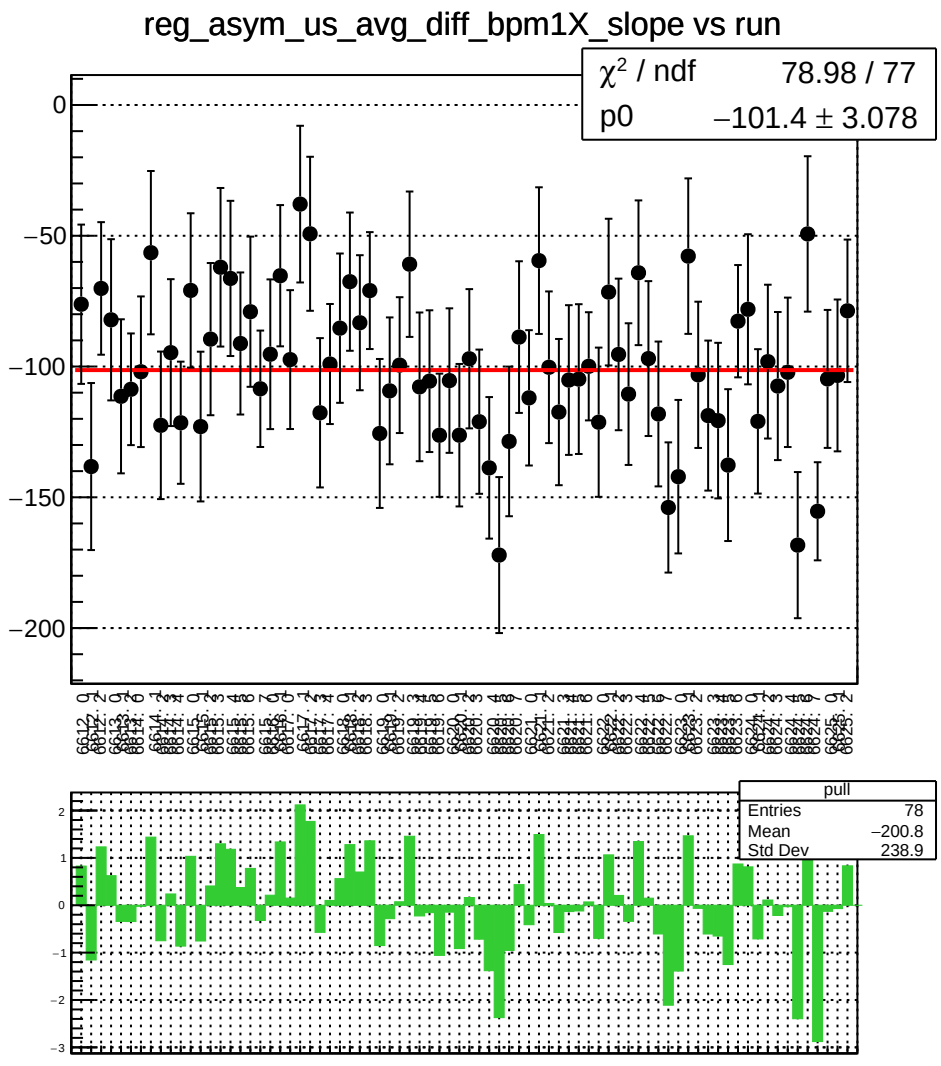

pull1D
Entries 78
Mean 0.00382
Std Dev 0.936

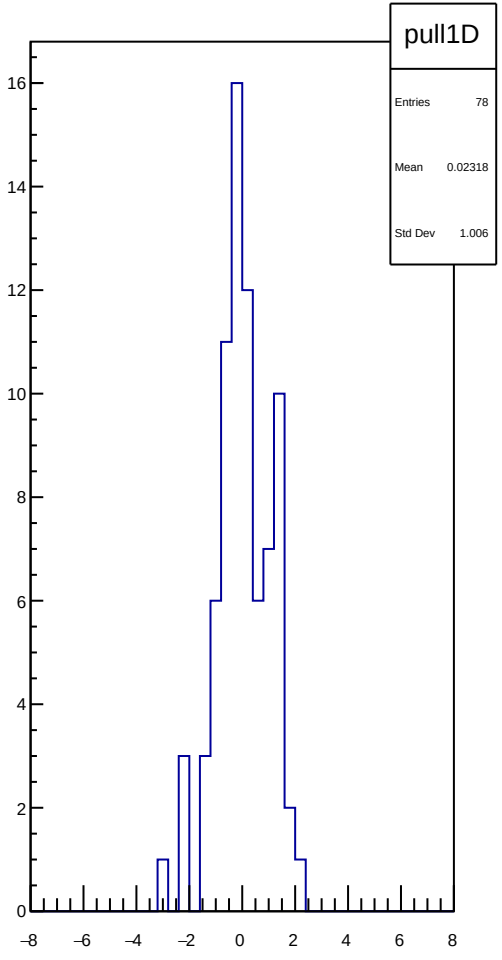

reg_asym_dsr_diff_bpm4eY_slope vs run
χ^2 / ndf 70.08 / 77
p0 0.04232 ± 0.1303
pull
Entries 78
Mean −59.38
Std Dev 17.93

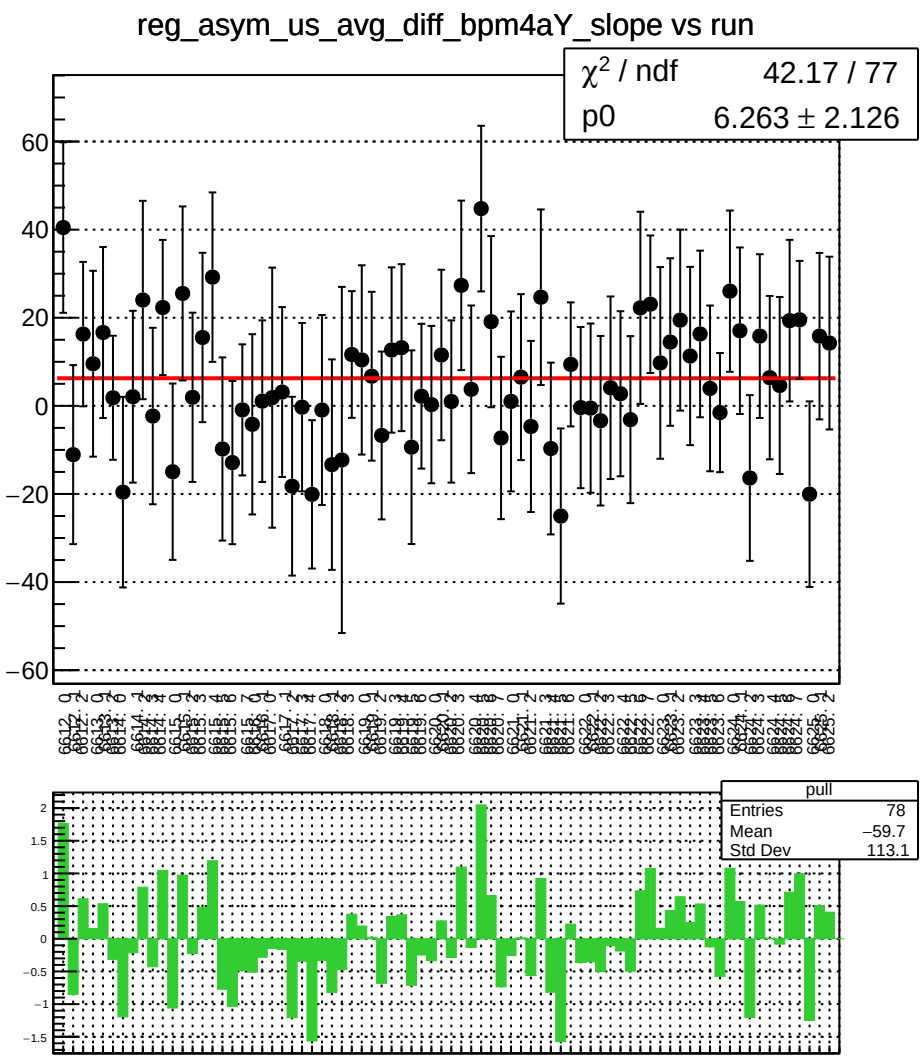

pull1D
Entries 78
Mean 0.007999
Std Dev 0.9479

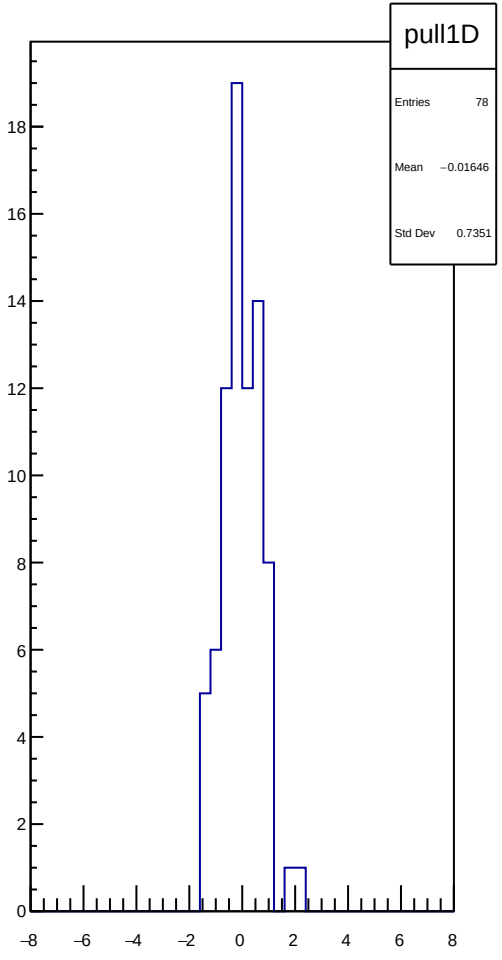

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 54.35 / 77
p0 0.01168 ± 0.006733
pull
Entries 78
Mean 378.4
Std Dev 336

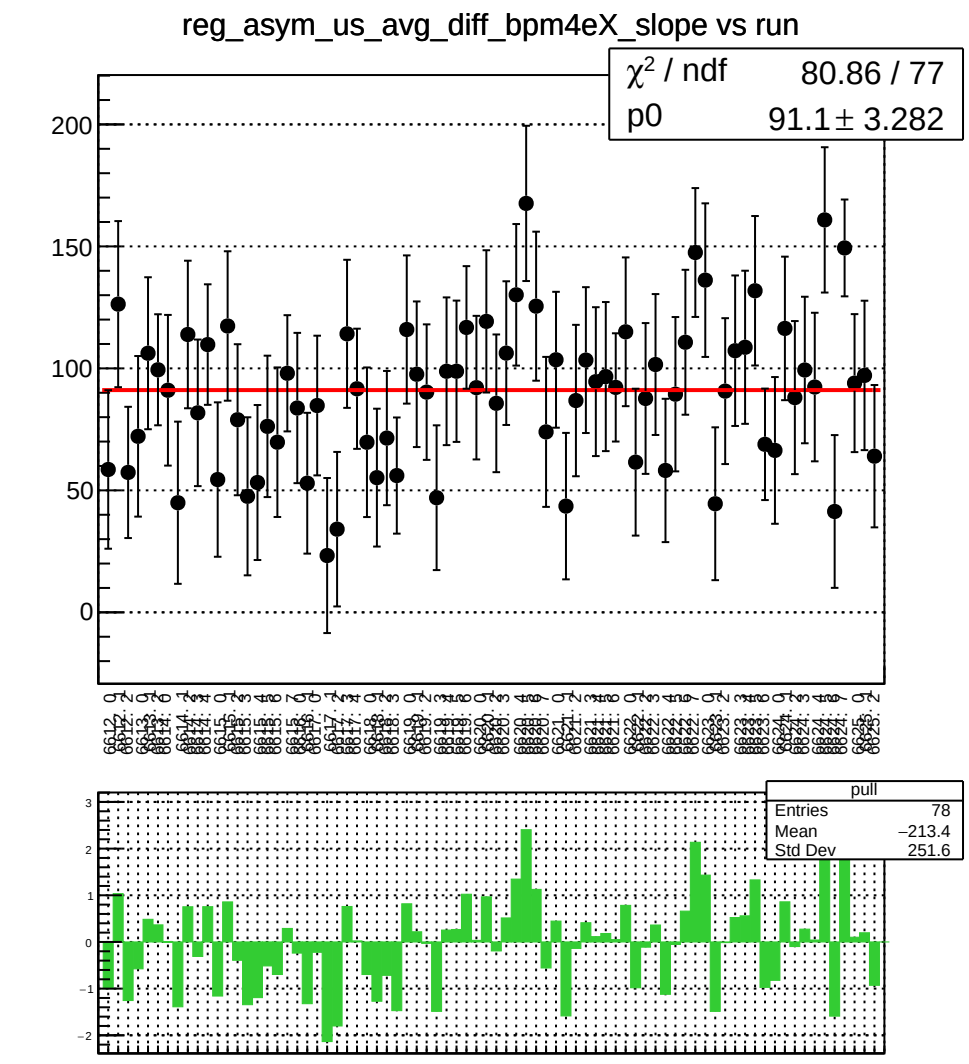

pull1D
Entries 78
Mean 0.001832
Std Dev 0.8347

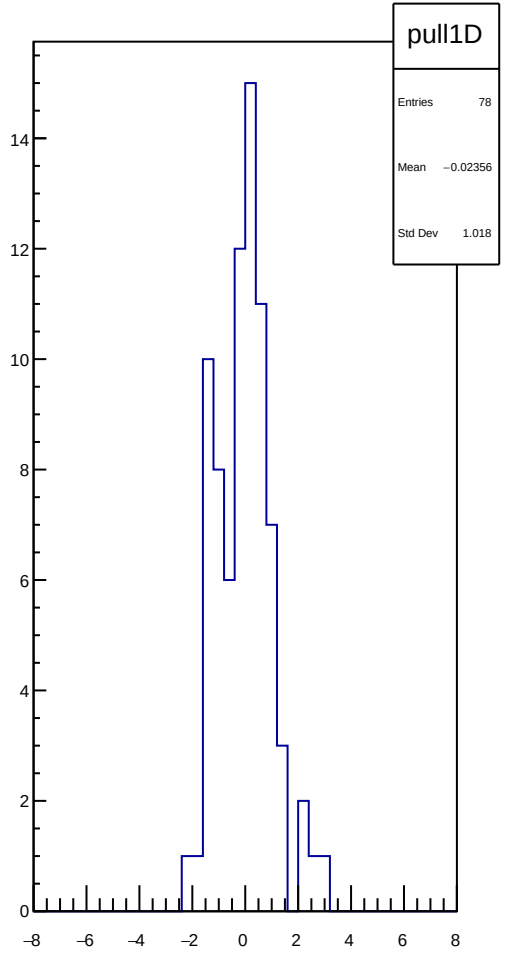

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 78.98 / 77
p0 −101.4 ± 3.078
pull
Entries 78
Mean −200.8
Std Dev 238.9

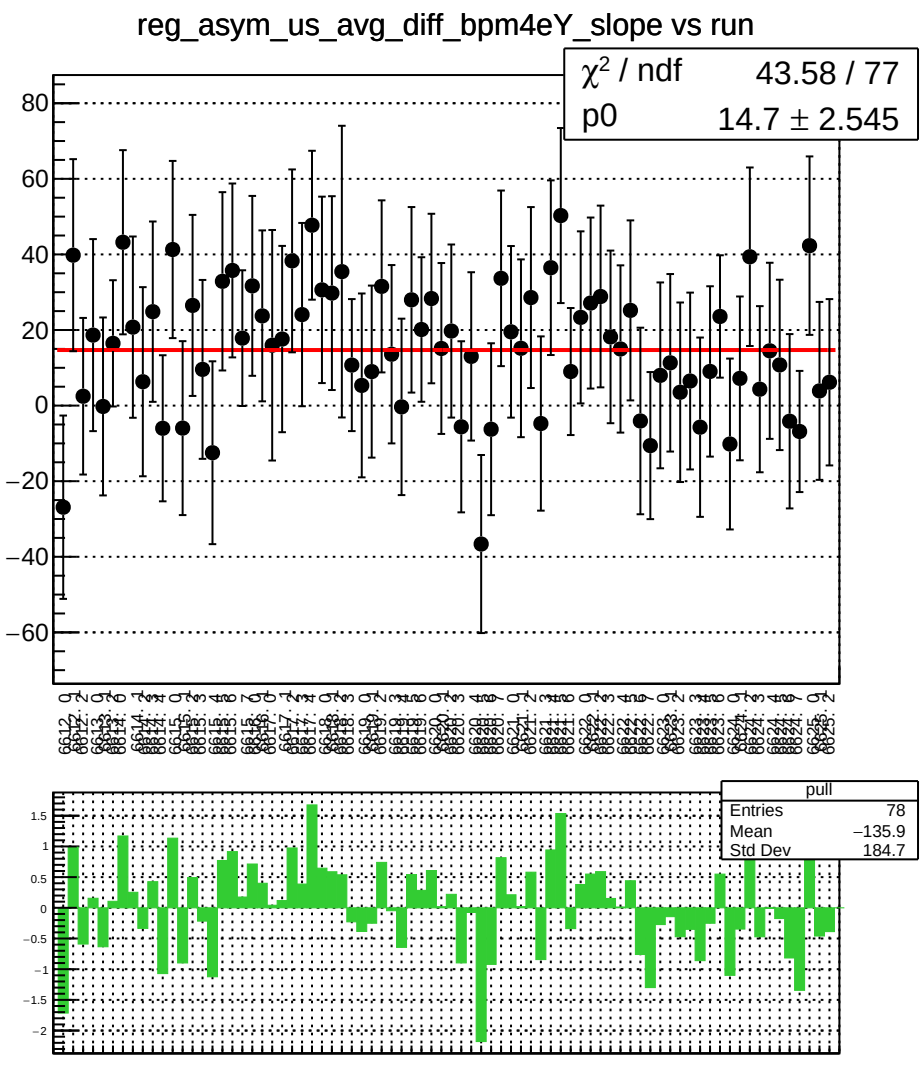

pull1D
Entries 78
Mean 0.02318
Std Dev 1.006

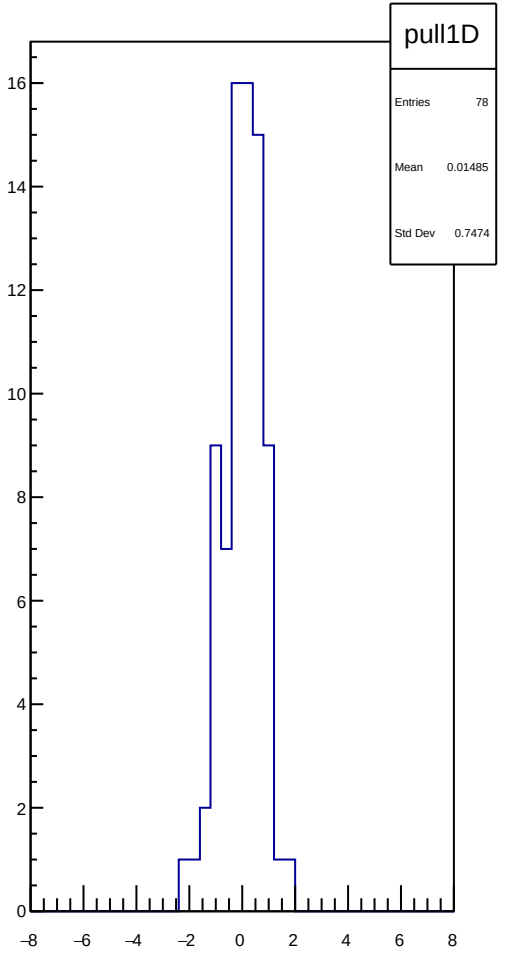

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 42.17 / 77
p0 6.263 ± 2.126
pull
Entries 78
Mean −59.7
Std Dev 113.1

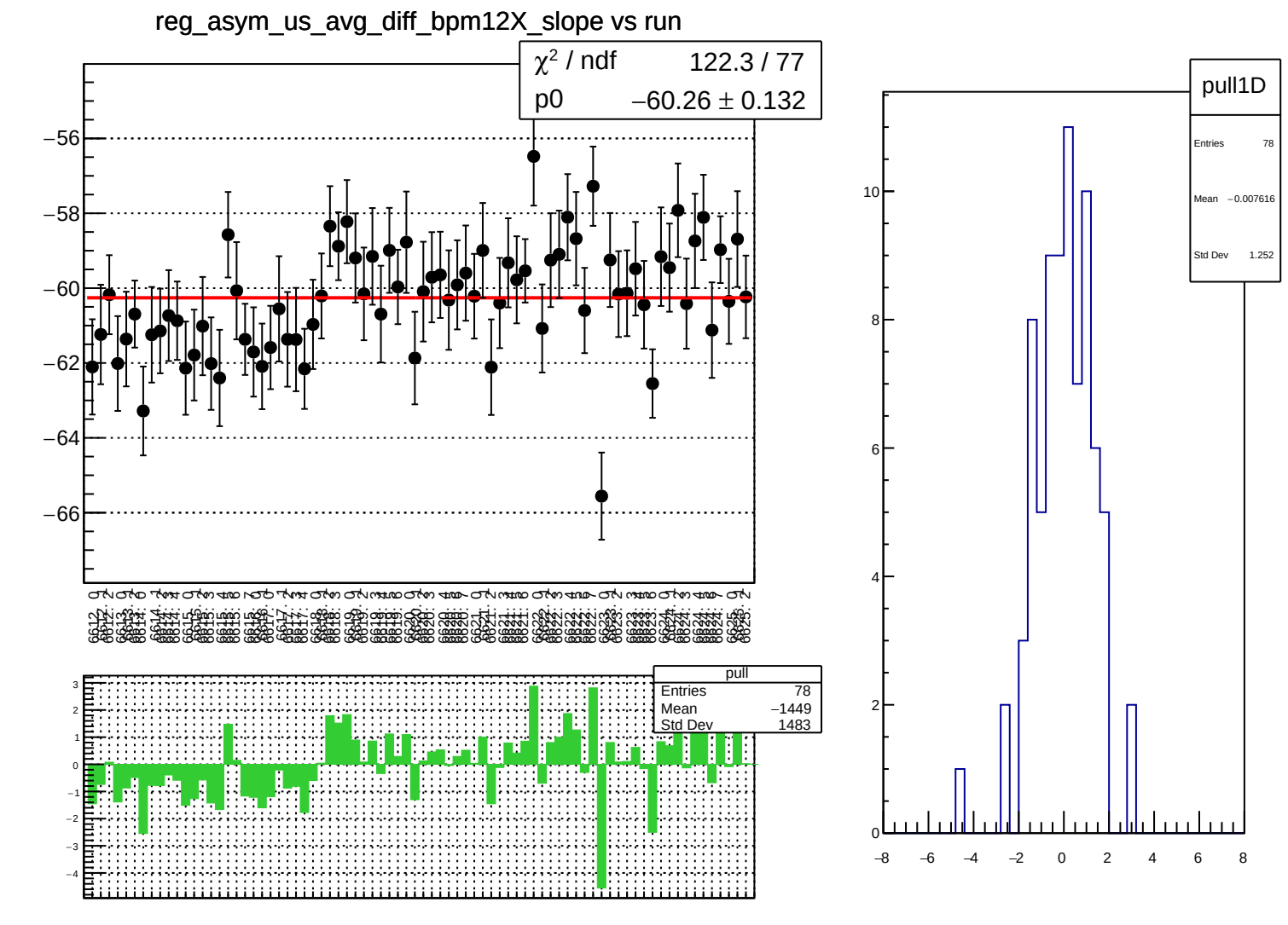

pull1D
Entries 78
Mean −0.01646
Std Dev 0.7351

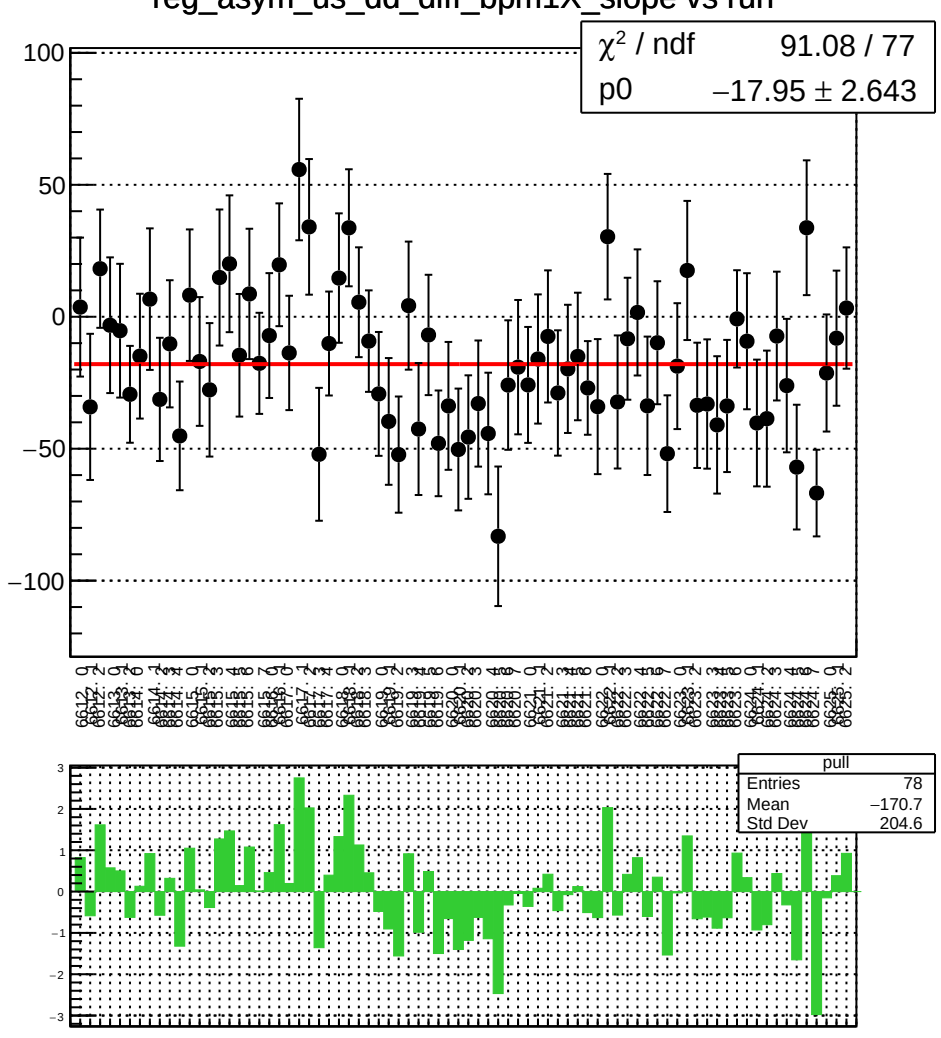

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 80.86 / 77
p0 91.1 ± 3.282
200
150
100
50
0
pull
Entries 78
Mean −213.4
Std Dev 251.6
3
2
1
0
−1
−2

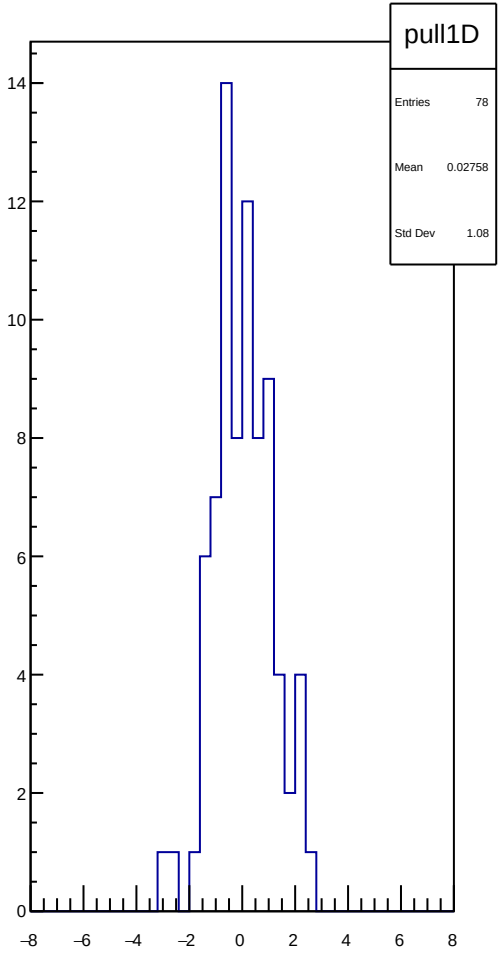

pull1D
Entries 78
Mean −0.02356
Std Dev 1.018
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

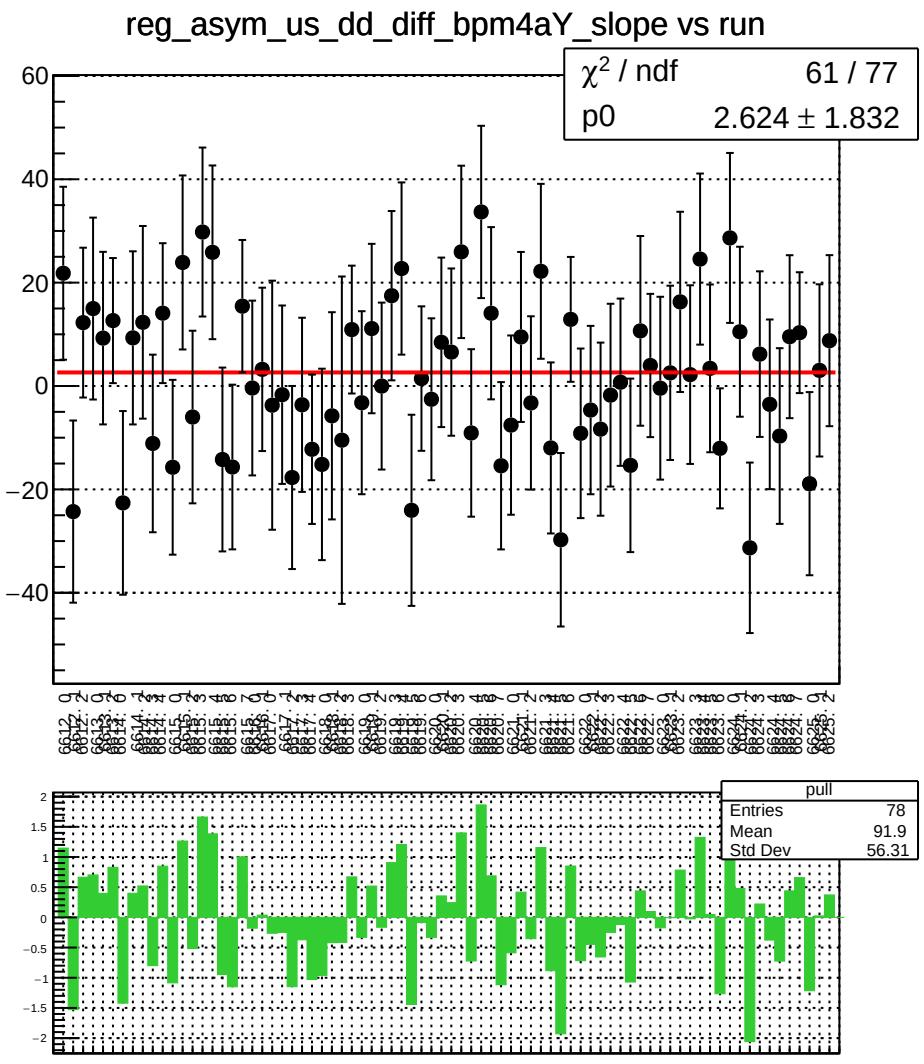

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 43.58 / 77
p0 14.7 ± 2.545
pull
Entries 78
Mean −135.9
Std Dev 184.7

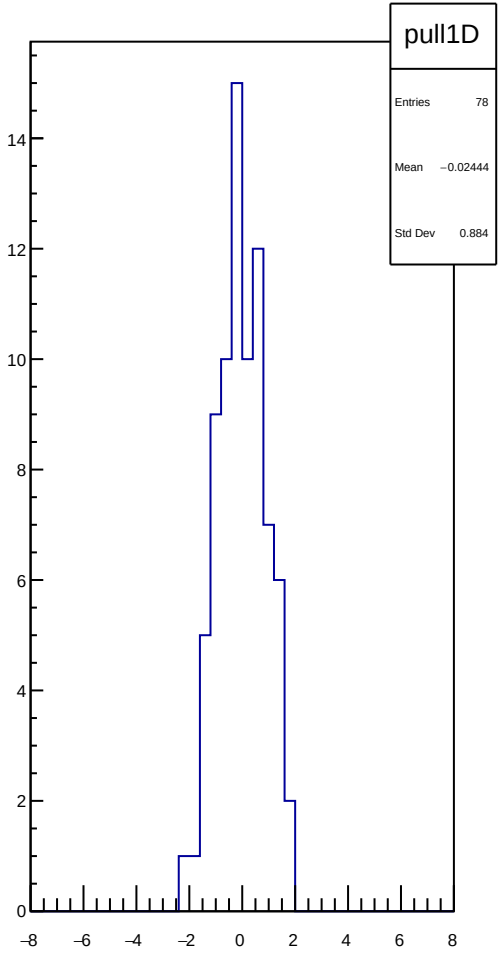

pull1D
Entries 78
Mean 0.01485
Std Dev 0.7474

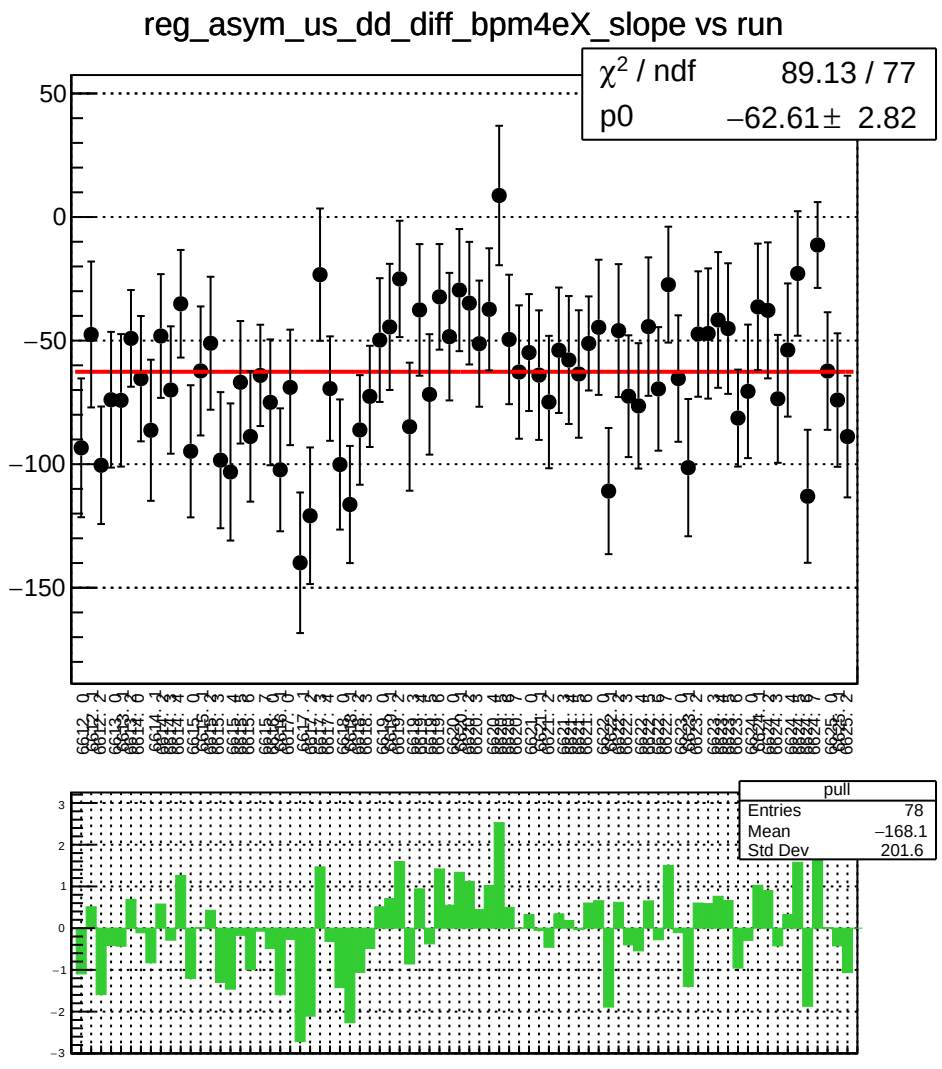

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 122.3 / 77
p0 −60.26 ± 0.132
pull
Entries 78
Mean −1449
Std Dev 1483
pull1D
Entries 78
Mean −0.007616
Std Dev 1.252

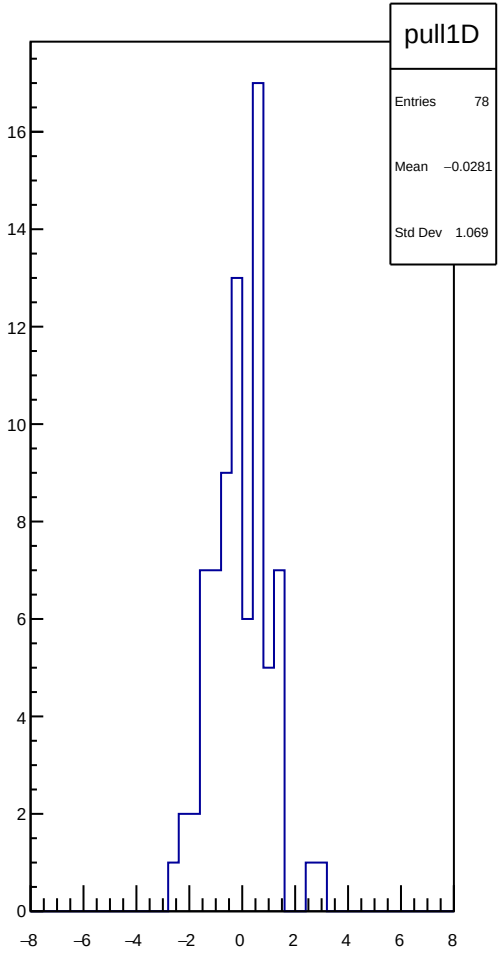

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 91.08 / 77
p0 −17.95 ± 2.643
pull
Entries 78
Mean −170.7
Std Dev 204.6

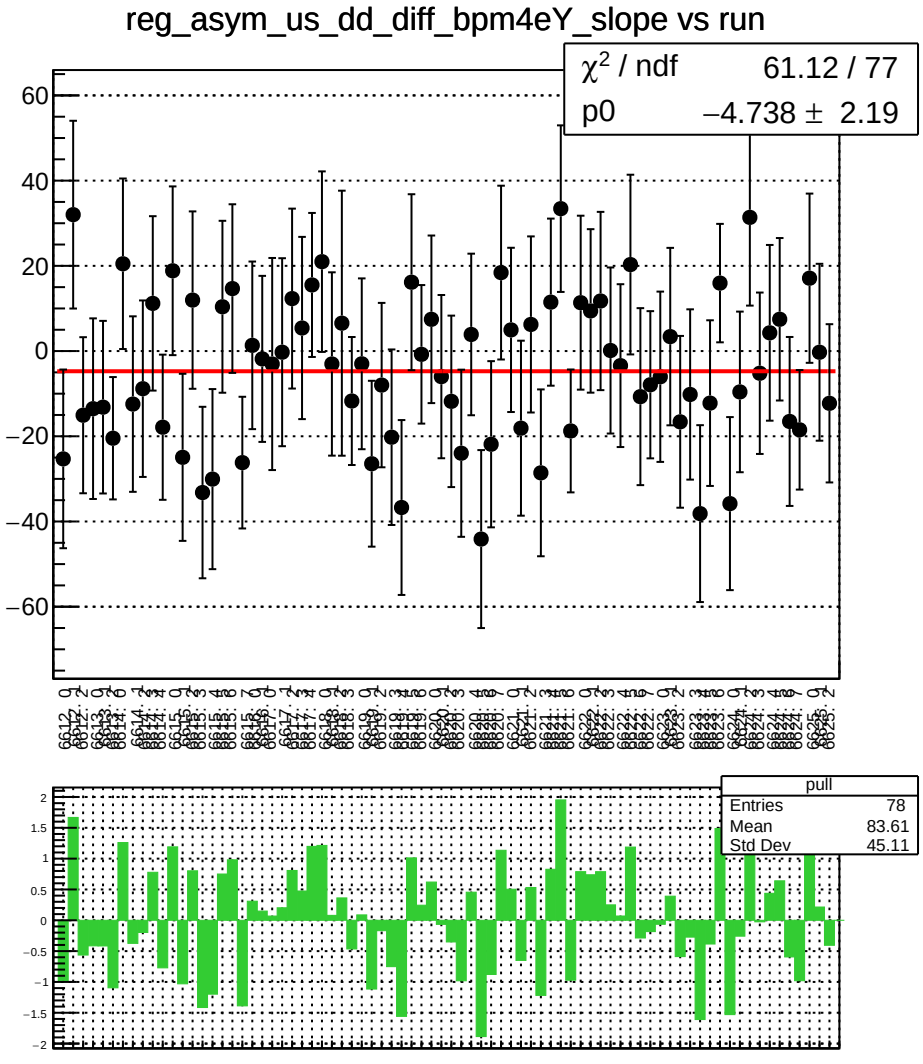

pull1D
Entries 78
Mean 0.02758
Std Dev 1.08

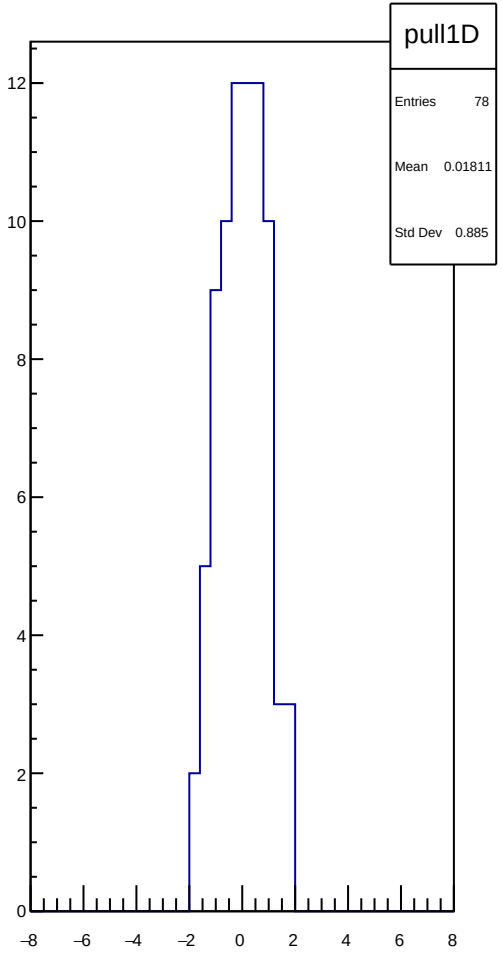

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 61 / 77
p0 2.624 ± 1.832
pull
Entries 78
Mean 91.9
Std Dev 56.31

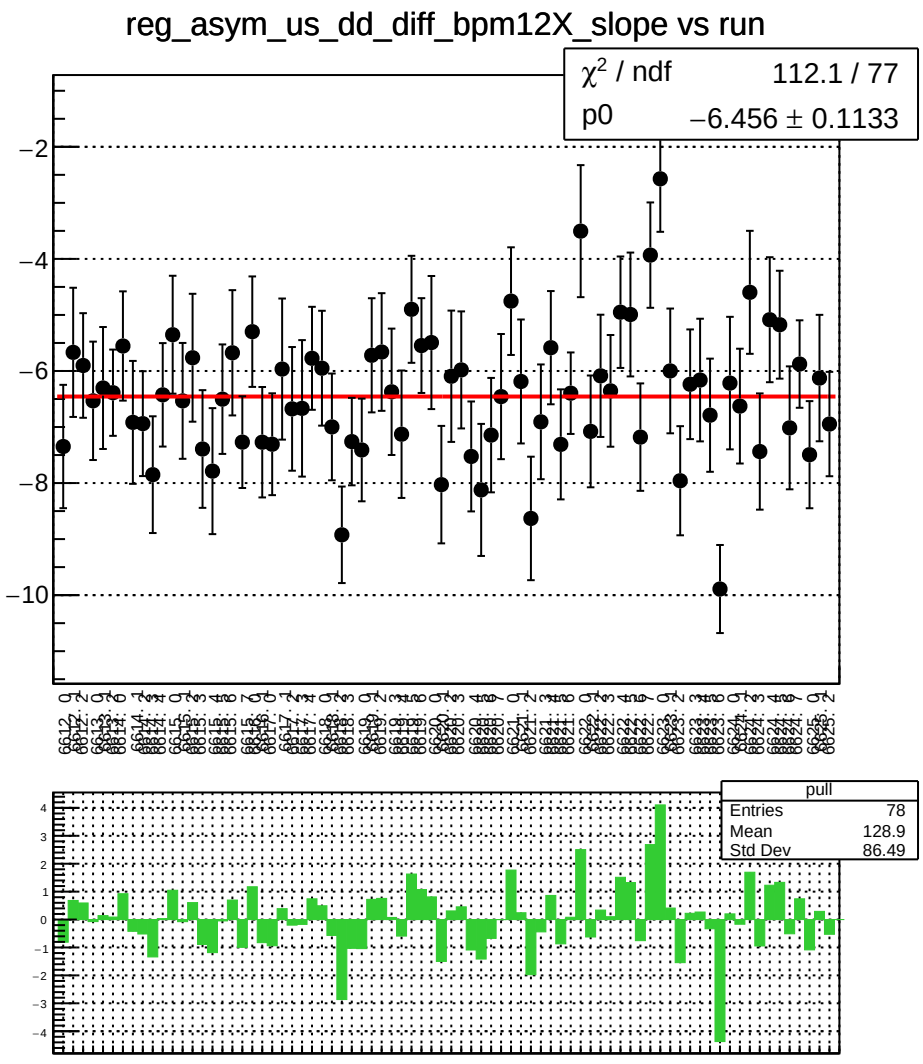

pull1D
Entries 78
Mean −0.02444
Std Dev 0.884

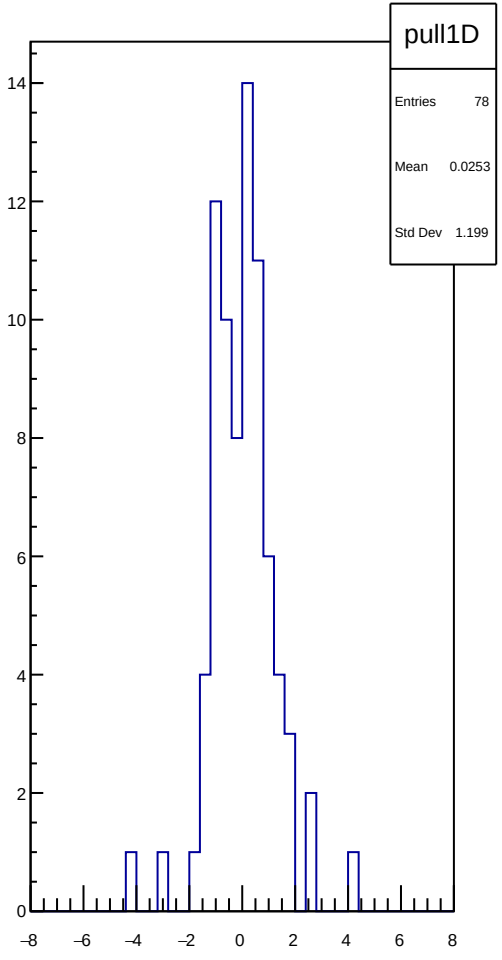

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 89.13 / 77
p0 −62.61 ± 2.82
pull
Entries 78
Mean −168.1
Std Dev 201.6

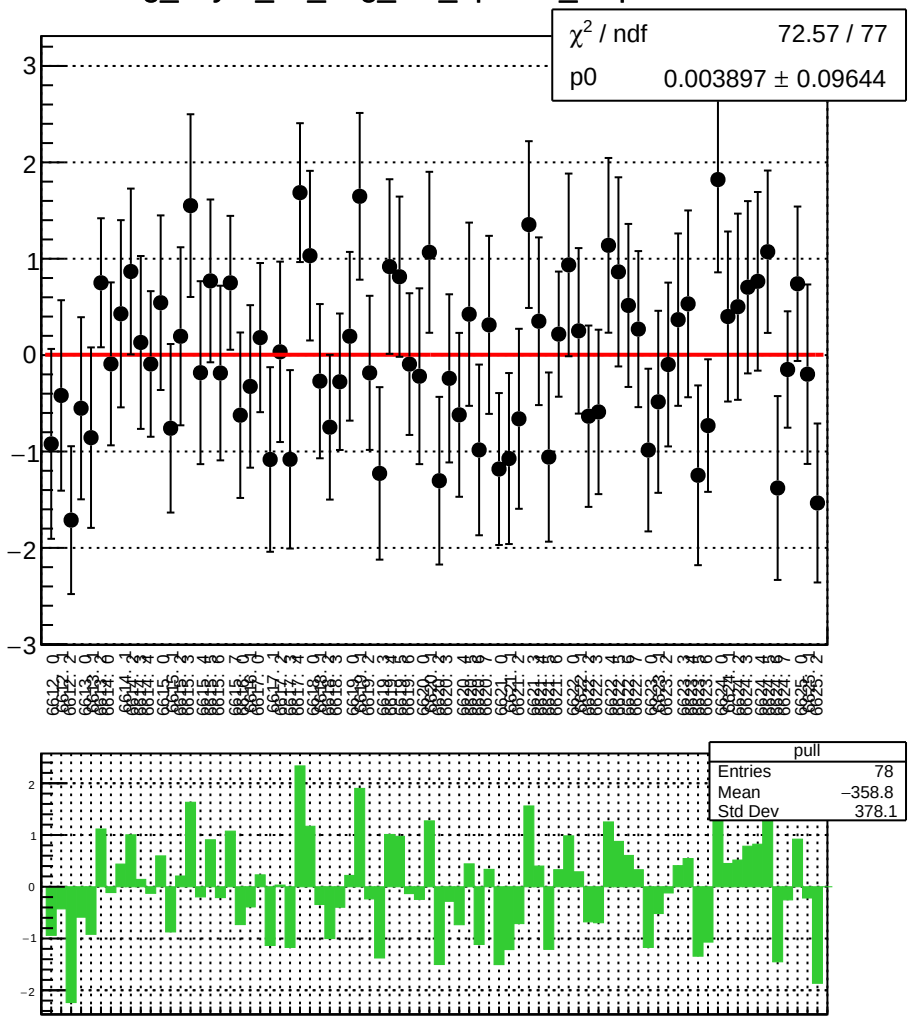

pull1D
Entries 78
Mean −0.0281
Std Dev 1.069

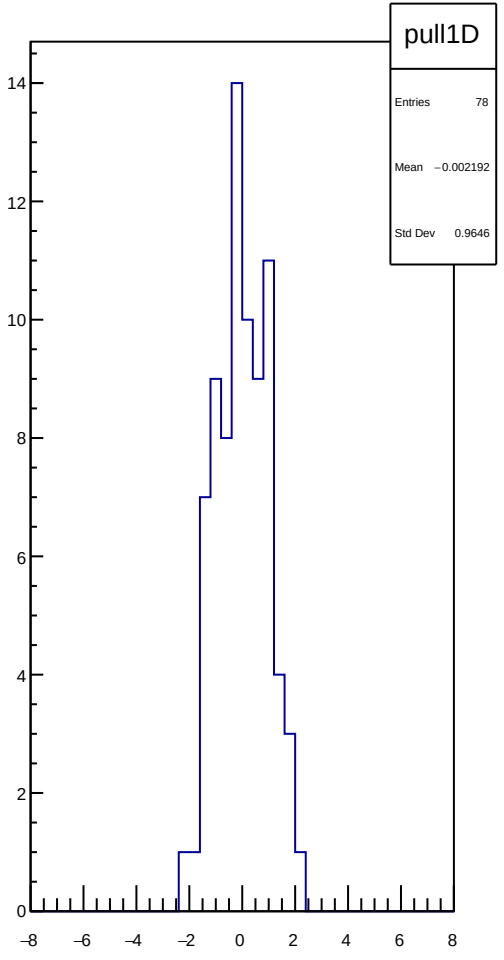

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 61.12 / 77
p0 −4.738 ± 2.19
pull
Entries 78
Mean 83.61
Std Dev 45.11

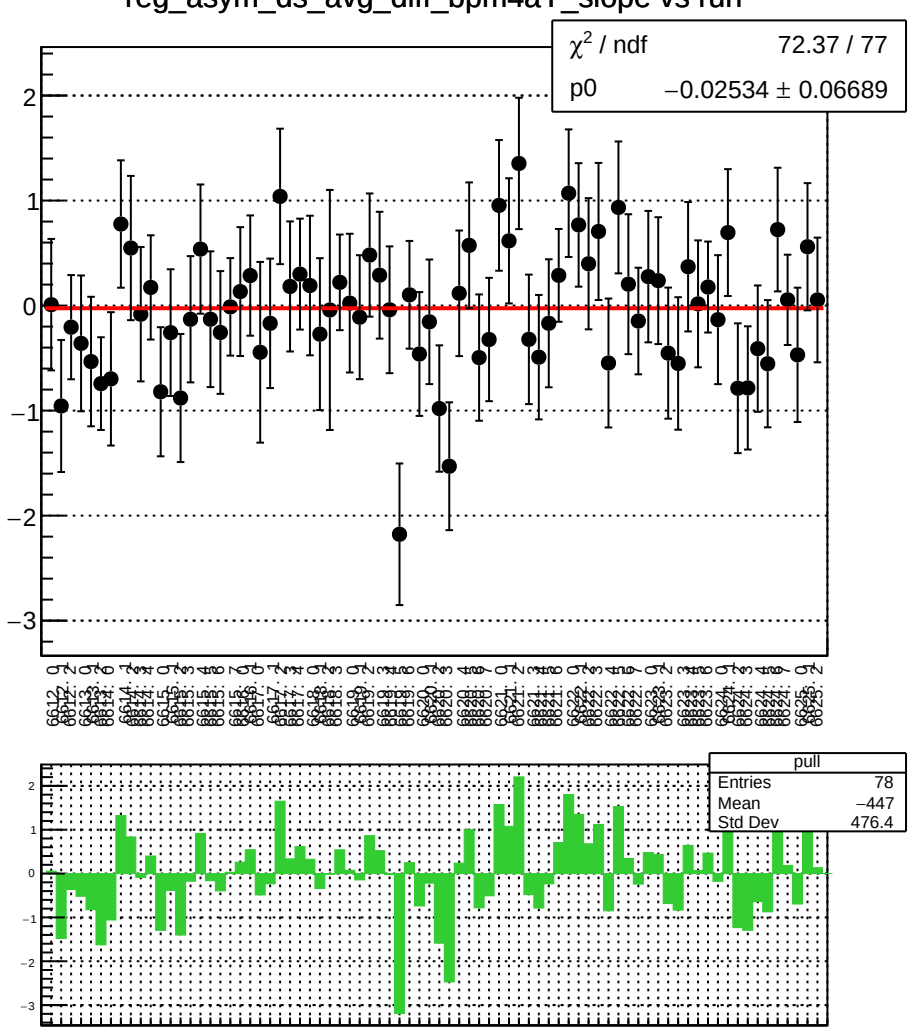

pull1D
Entries 78
Mean 0.01811
Std Dev 0.885

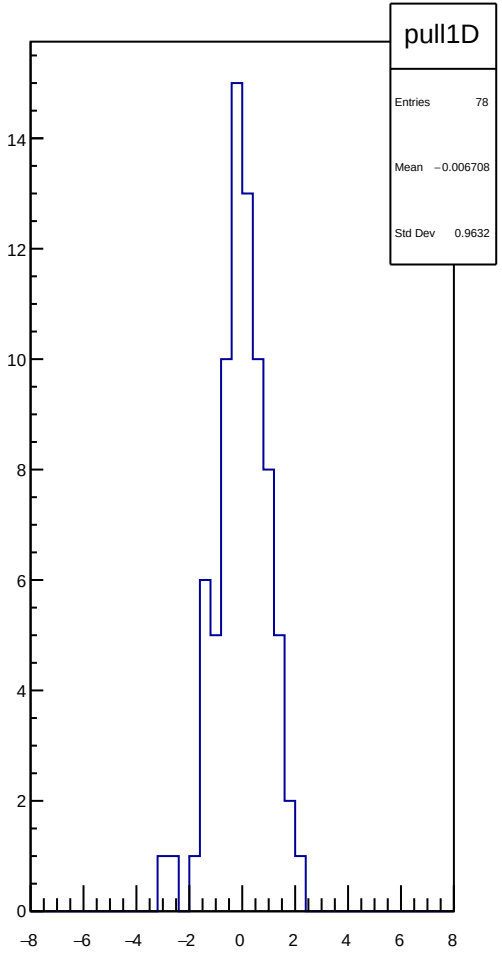

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 112.1 / 77
p0 −6.456 ± 0.1133
pull
Entries 78
Mean 128.9
Std Dev 86.49

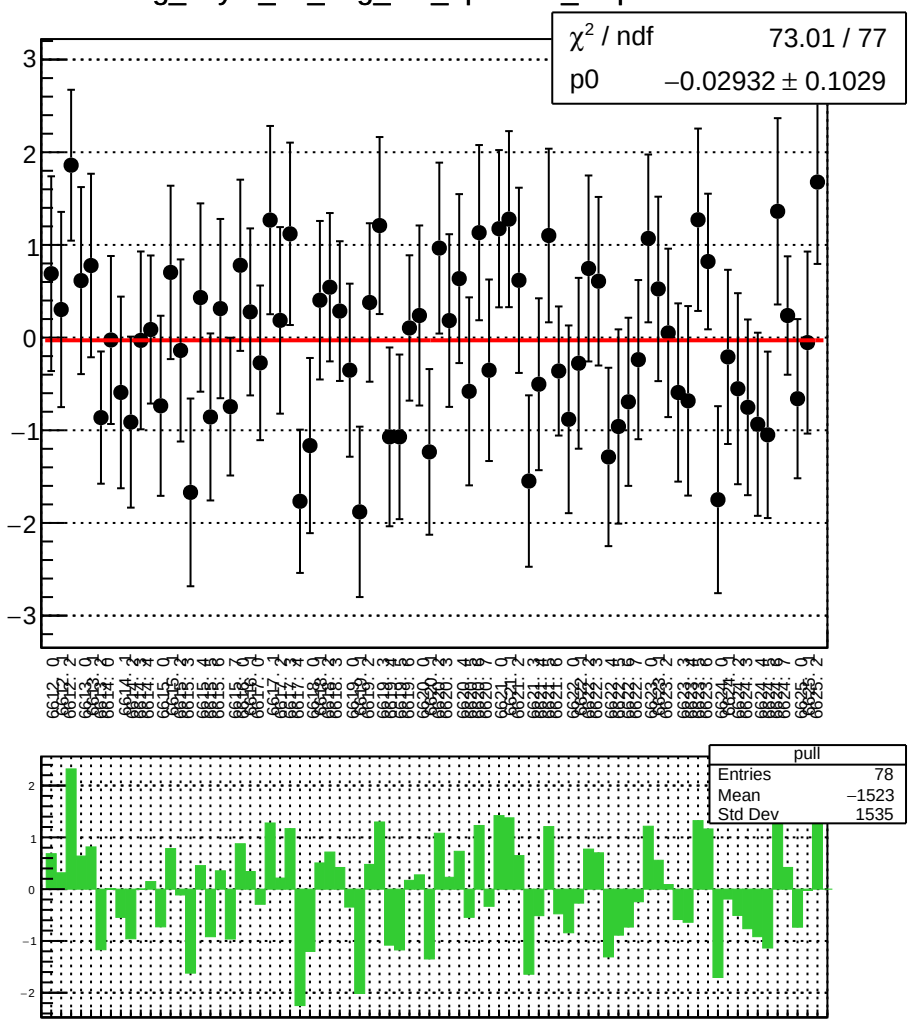

pull1D
Entries 78
Mean 0.0253
Std Dev 1.199

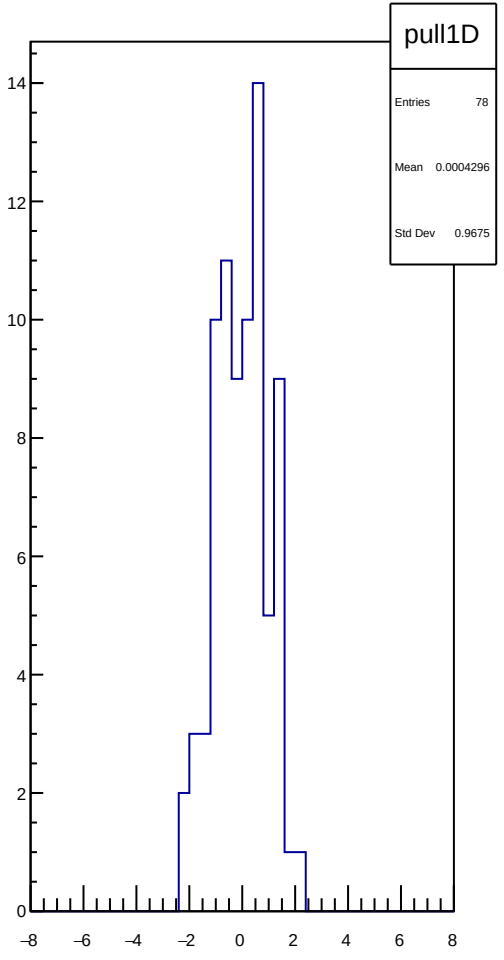

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 72.57 / 77
p0 0.003897 ± 0.09644
pull
Entries 78
Mean −358.8
Std Dev 378.1

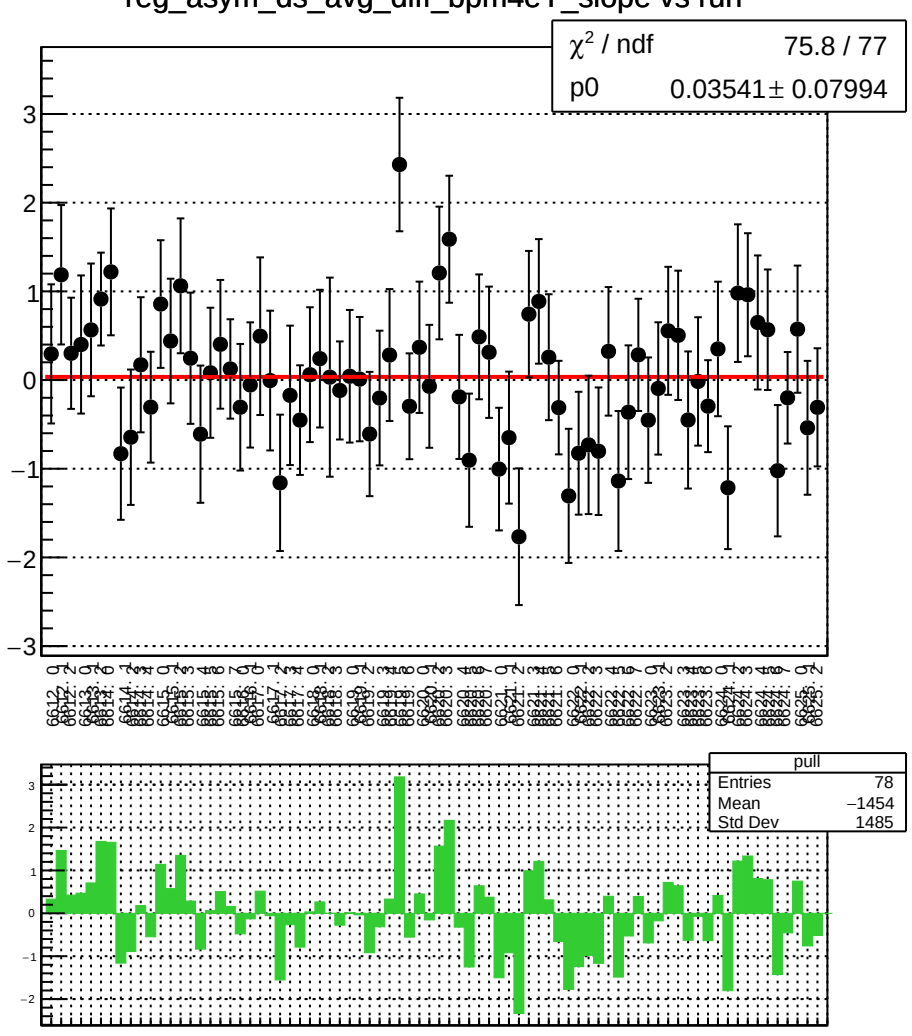

pull1D
Entries 78
Mean −0.002192
Std Dev 0.9646

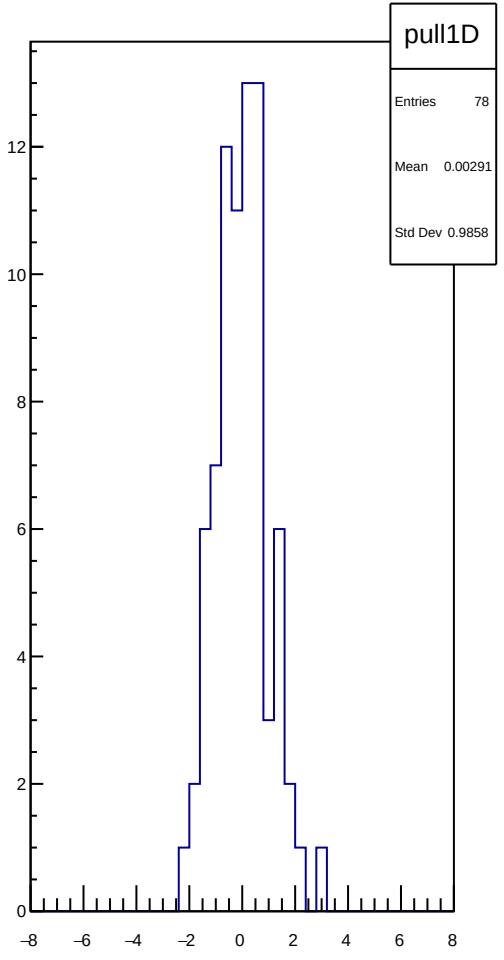

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 72.37 / 77
p0 −0.02534 ± 0.06689
pull
Entries 78
Mean −447
Std Dev 476.4

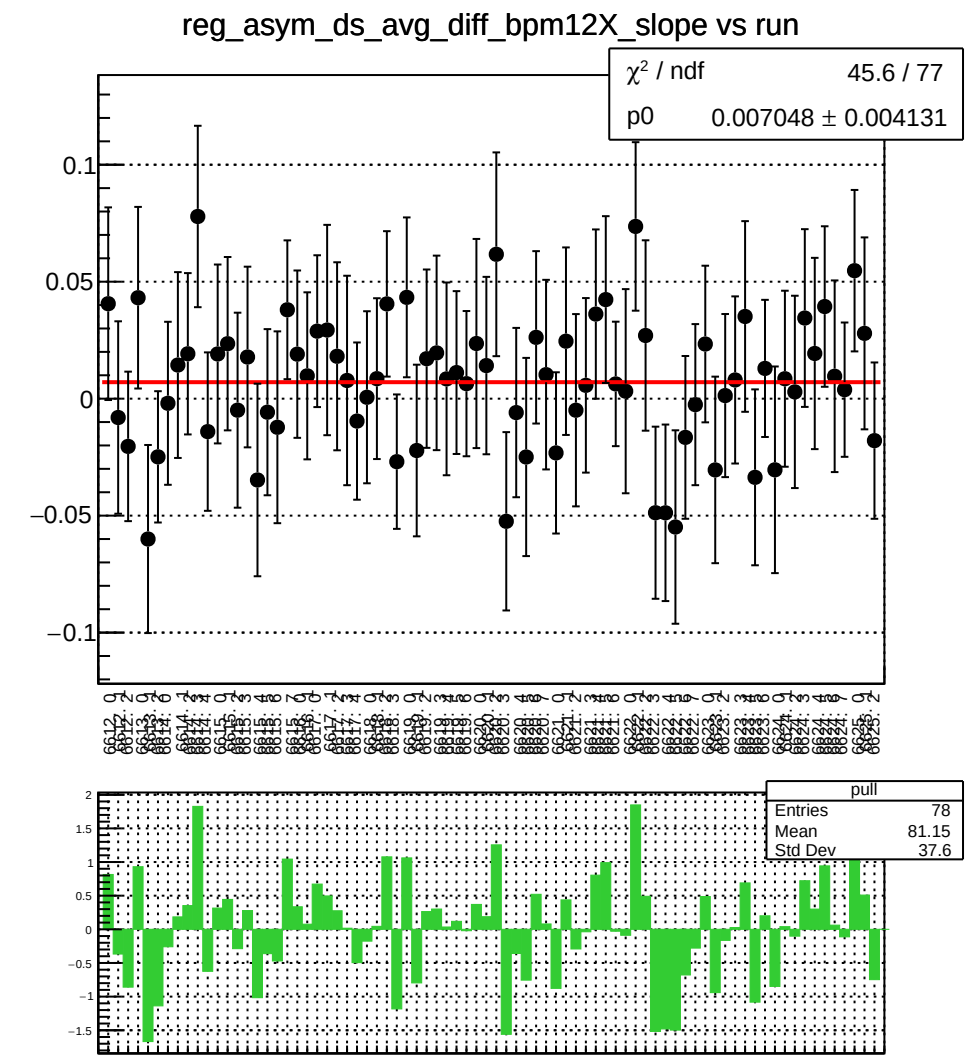

pull1D
Entries 78
Mean −0.006708
Std Dev 0.9632

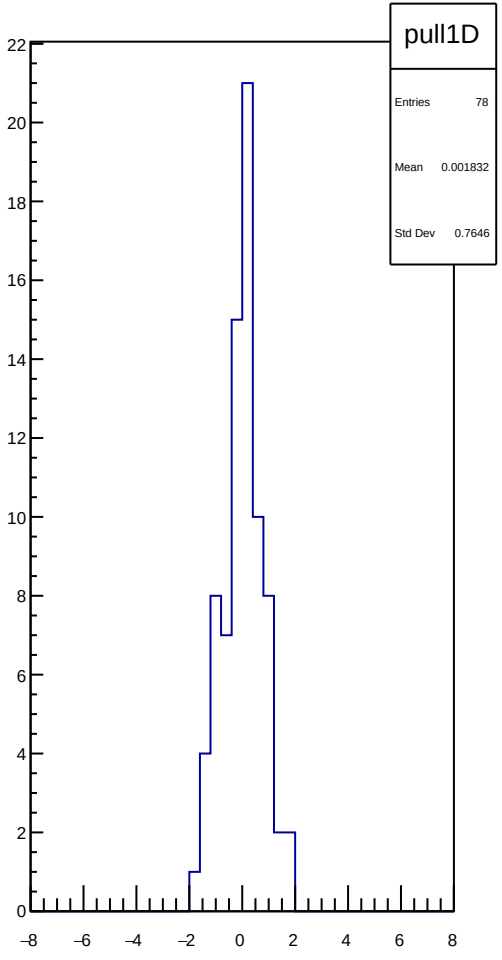

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 73.01 / 77
p0 −0.02932 ± 0.1029
pull
Entries 78
Mean −1523
Std Dev 1535

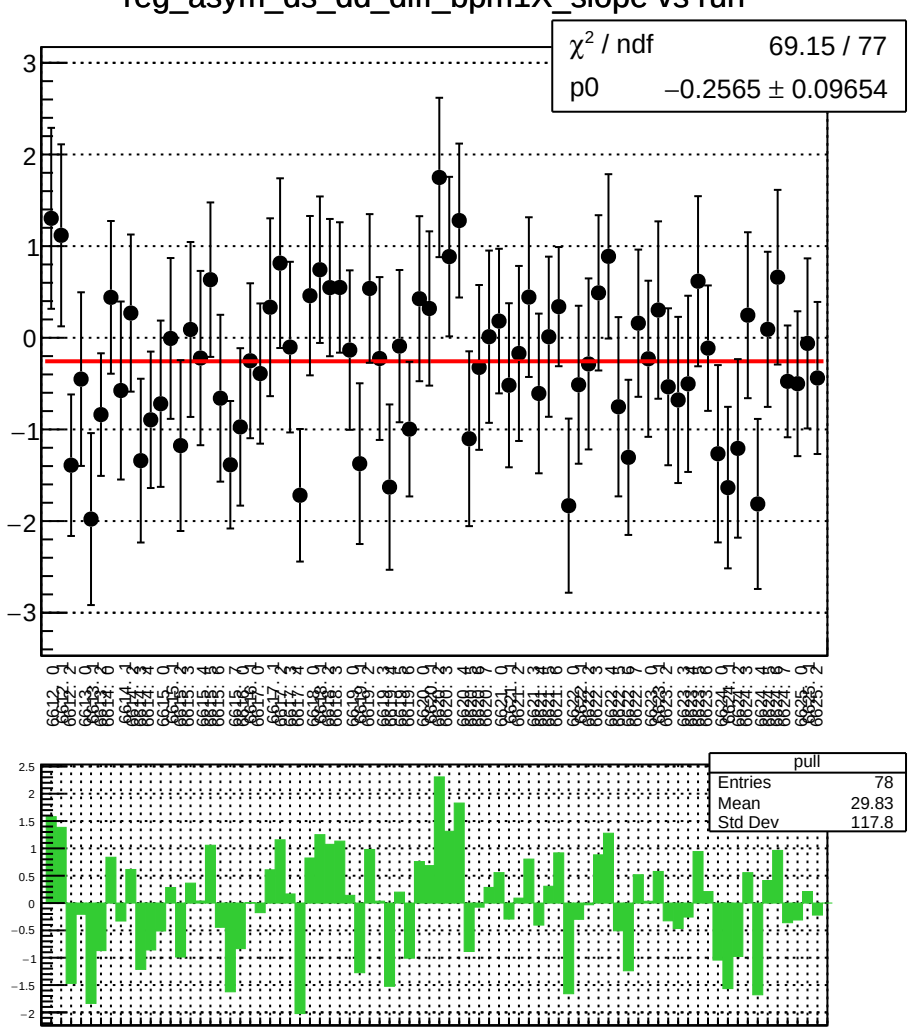

pull1D
Entries 78
Mean 0.0004296
Std Dev 0.9675

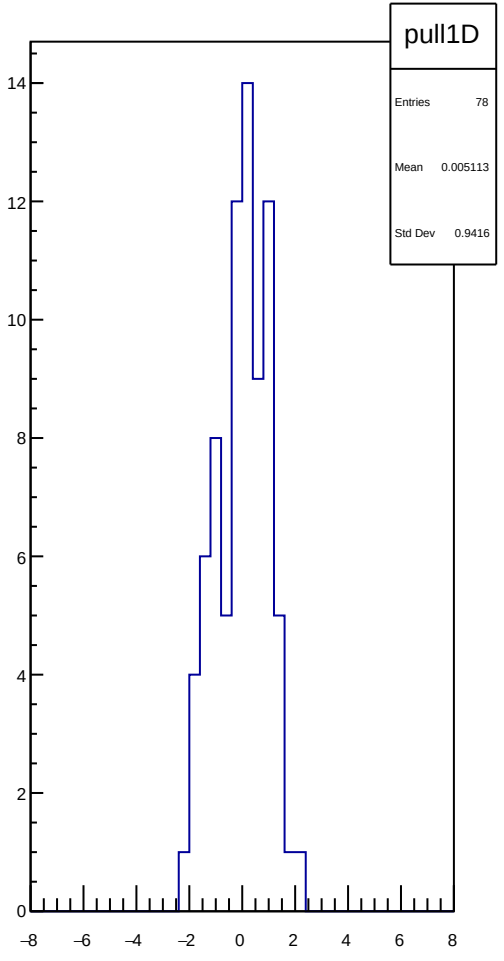

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 75.8 / 77
p0 0.03541 ± 0.07994
pull
Entries 78
Mean −1454
Std Dev 1485

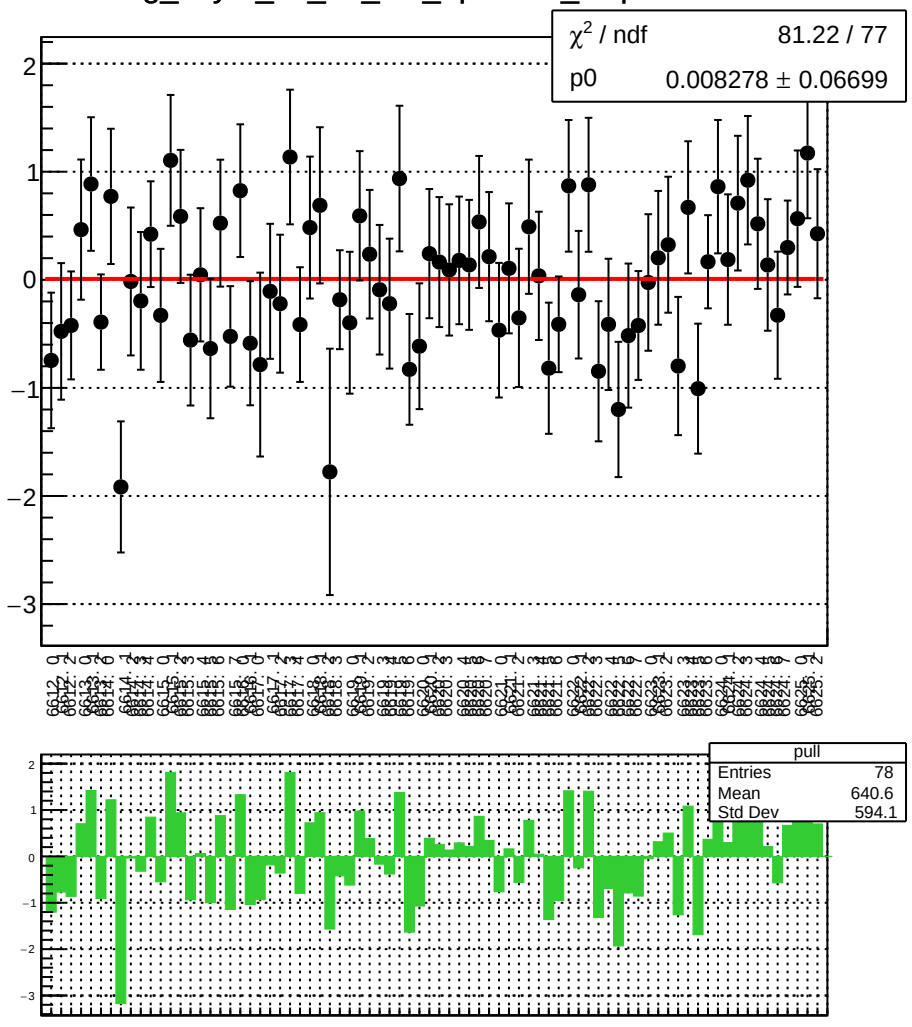

pull1D
Entries 78
Mean 0.00291
Std Dev 0.9858

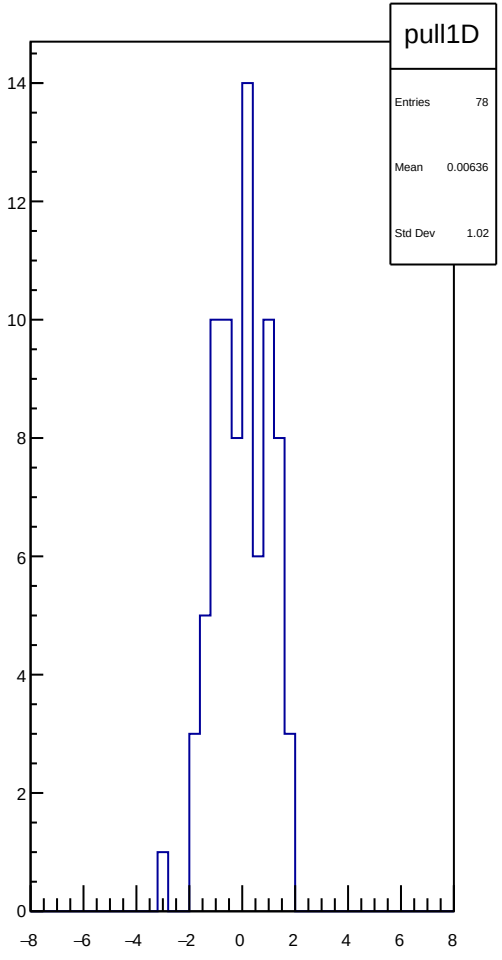

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 45.6 / 77
p0 0.007048 ± 0.004131
pull
Entries 78
Mean 81.15
Std Dev 37.6

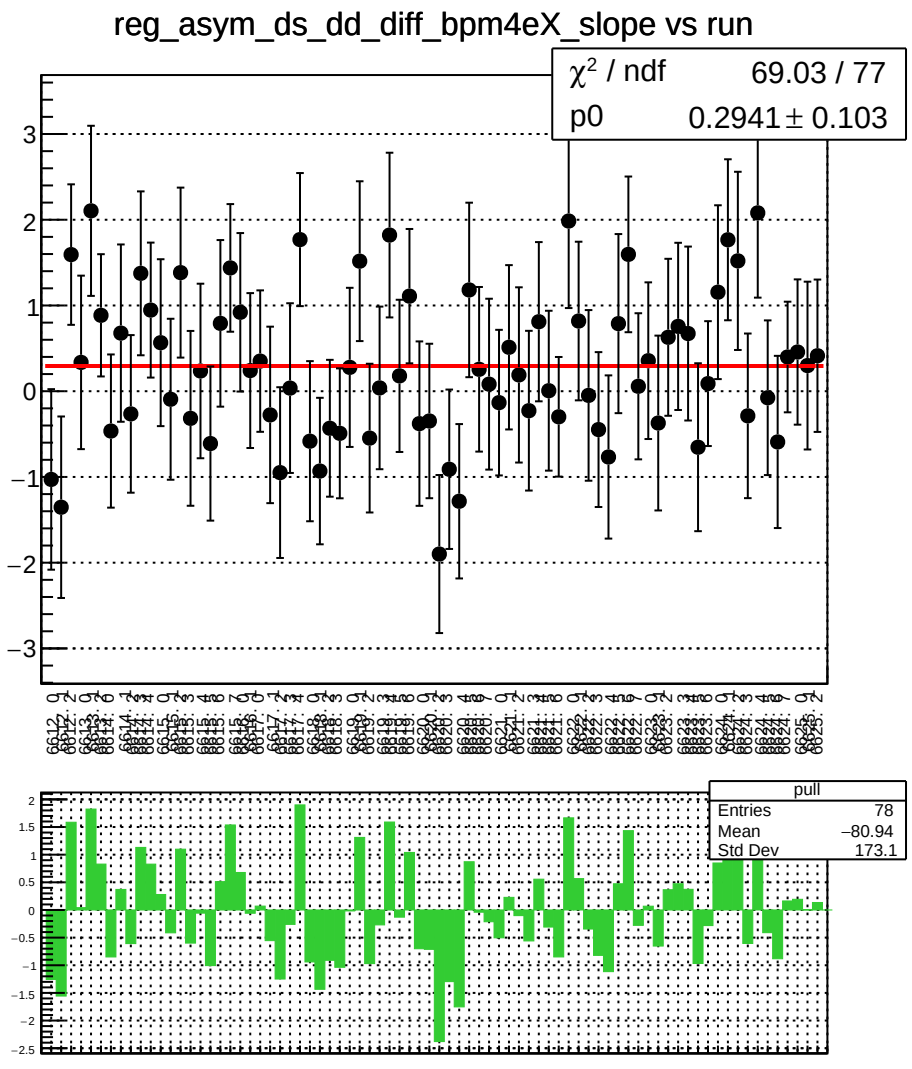

pull1D
Entries 78
Mean 0.001832
Std Dev 0.7646

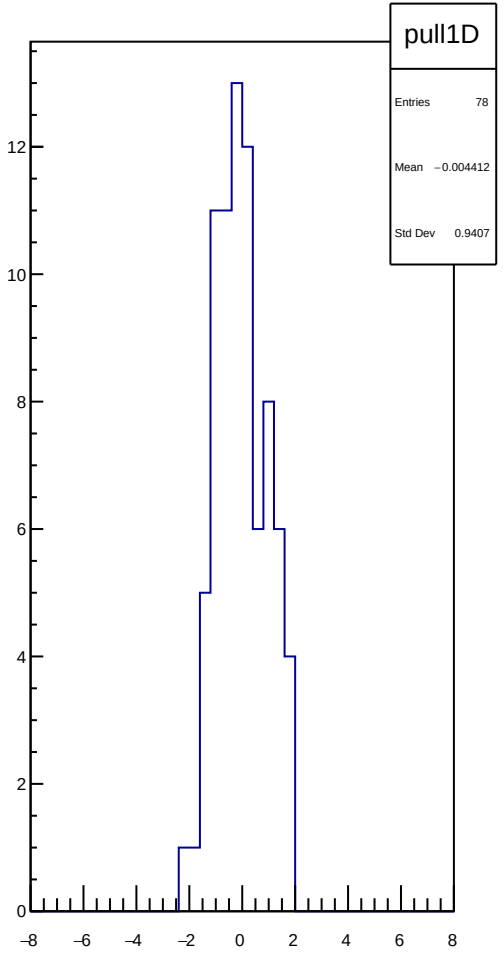

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 69.15 / 77
p0 −0.2565 ± 0.09654
pull
Entries 78
Mean 29.83
Std Dev 117.8

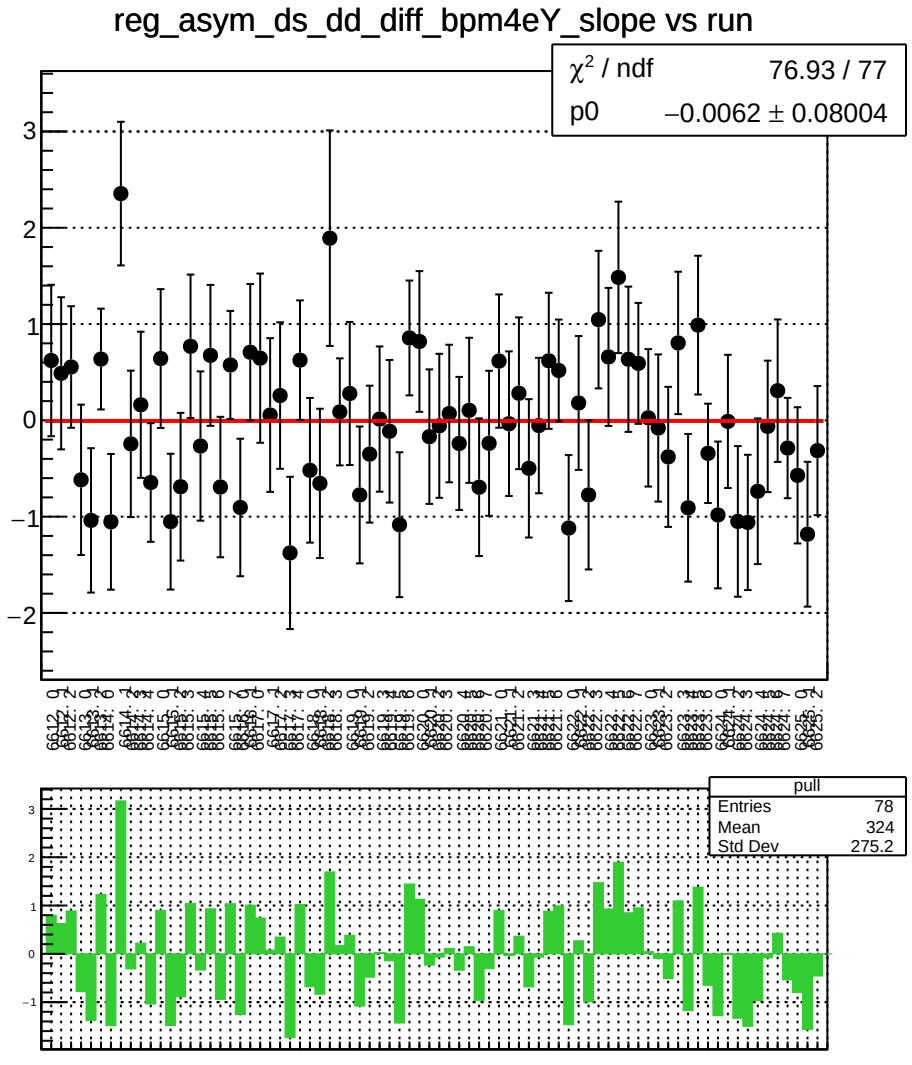

pull1D
Entries 78
Mean 0.005113
Std Dev 0.9416

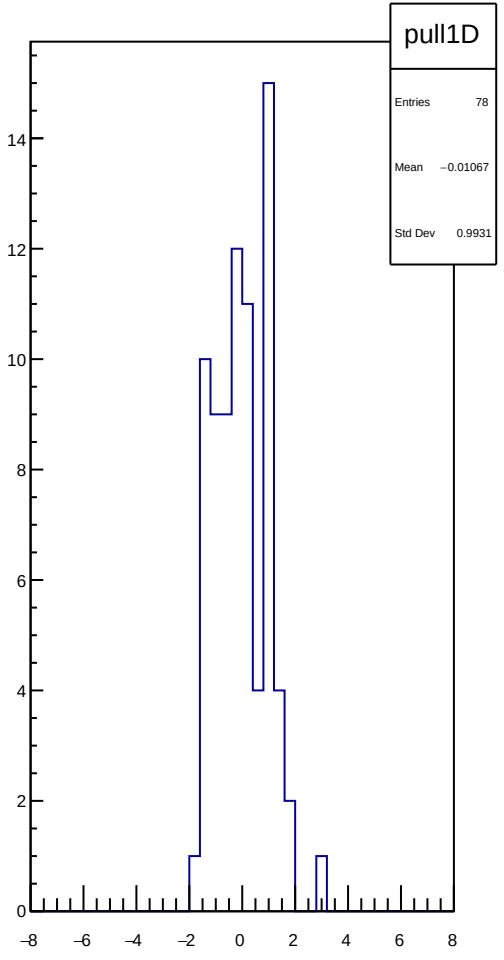

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 81.22 / 77
p0 0.008278 ± 0.06699
pull
Entries 78
Mean 640.6
Std Dev 594.1

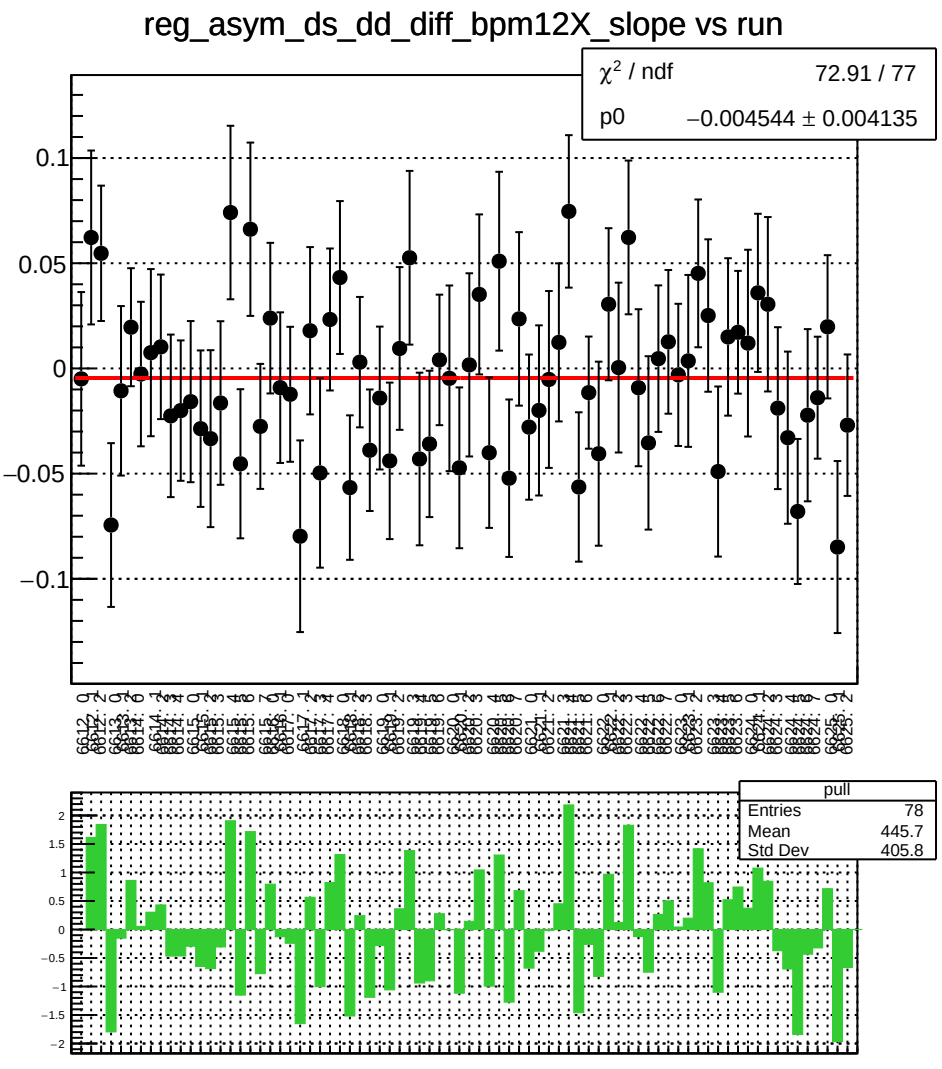

pull1D
Entries 78
Mean 0.00636
Std Dev 1.02

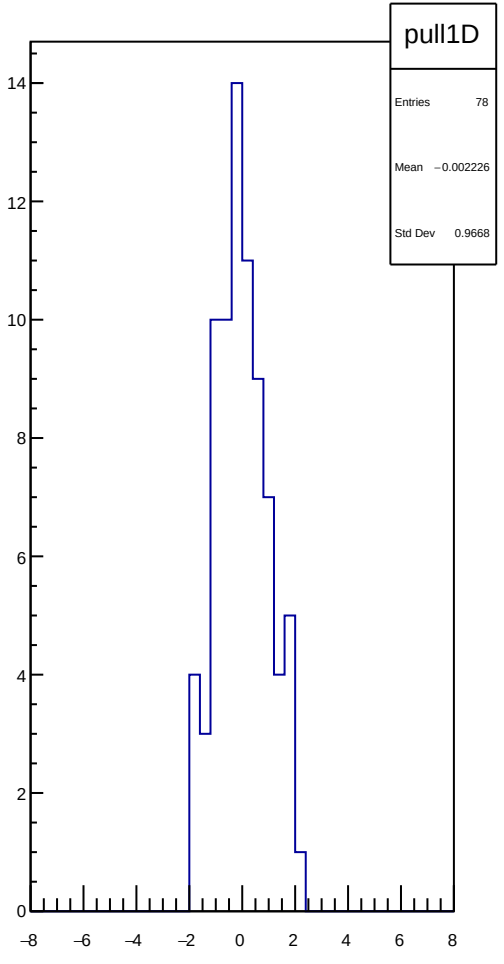

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 69.03 / 77
p0 0.2941 ± 0.103
pull
Entries 78
Mean −80.94
Std Dev 173.1

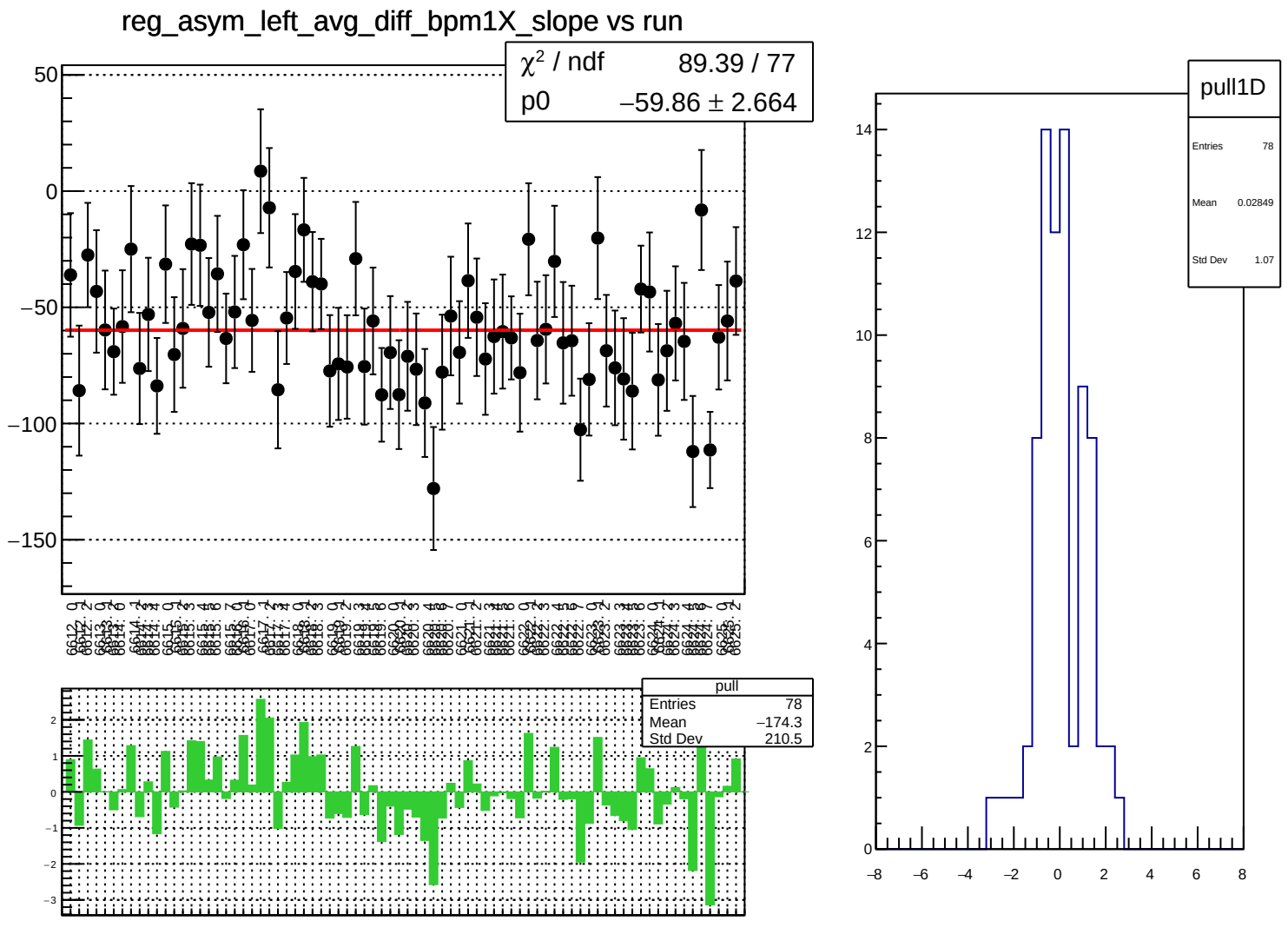

pull1D
Entries 78
Mean −0.004412
Std Dev 0.9407

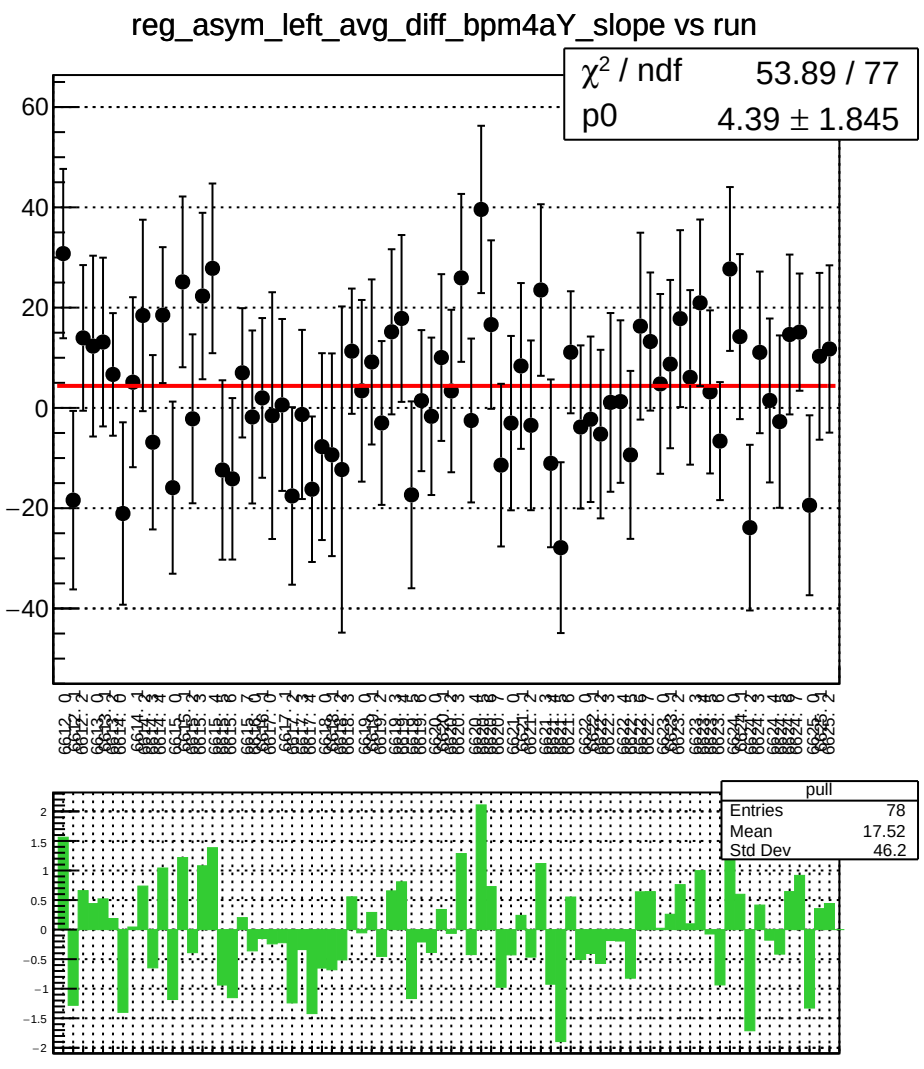

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 76.93 / 77
p0 −0.0062 ± 0.08004
pull
Entries 78
Mean 324
Std Dev 275.2

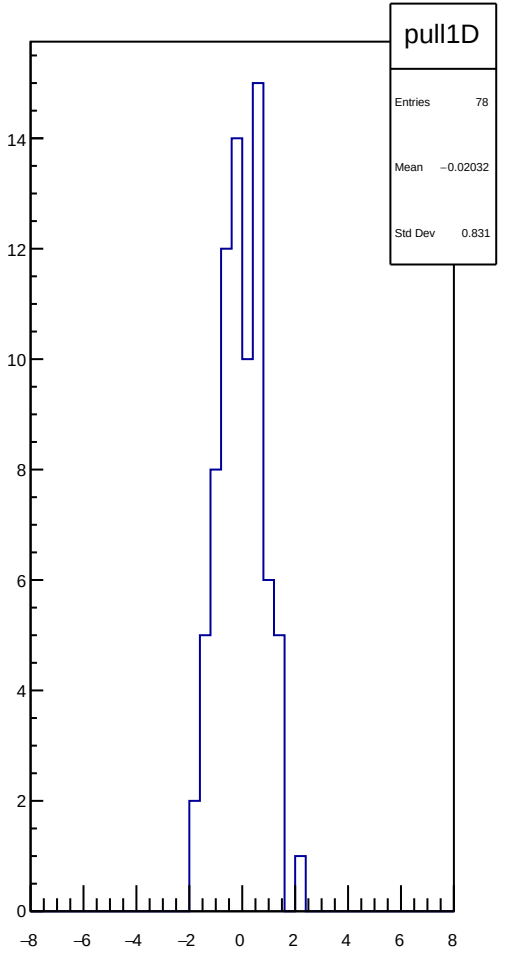

pull1D
Entries 78
Mean −0.01067
Std Dev 0.9931

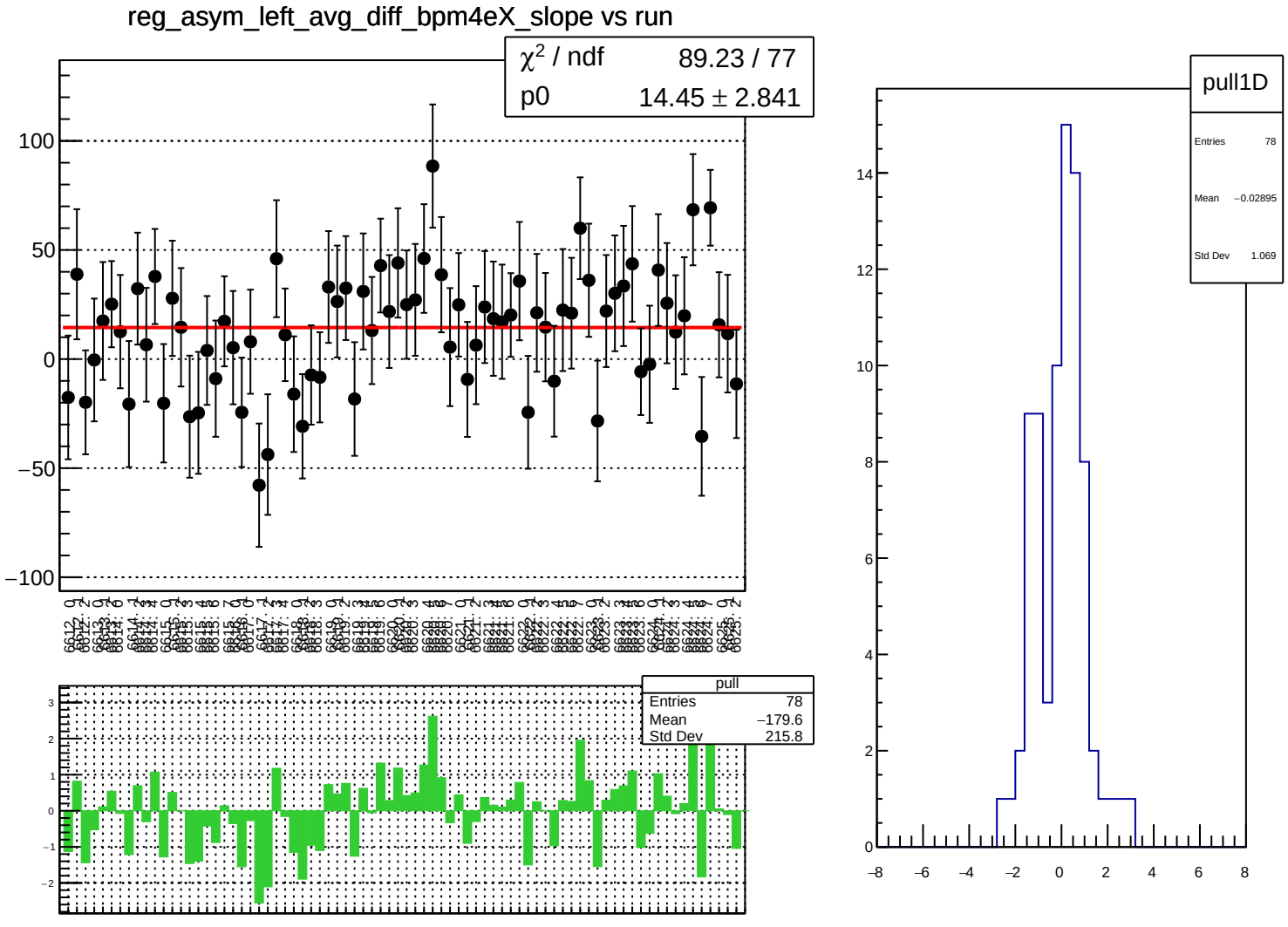

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 72.91 / 77
p0 −0.004544 ± 0.004135
0.1
0.05
0
−0.05
−0.1
pull
Entries 78
Mean 445.7
Std Dev 405.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

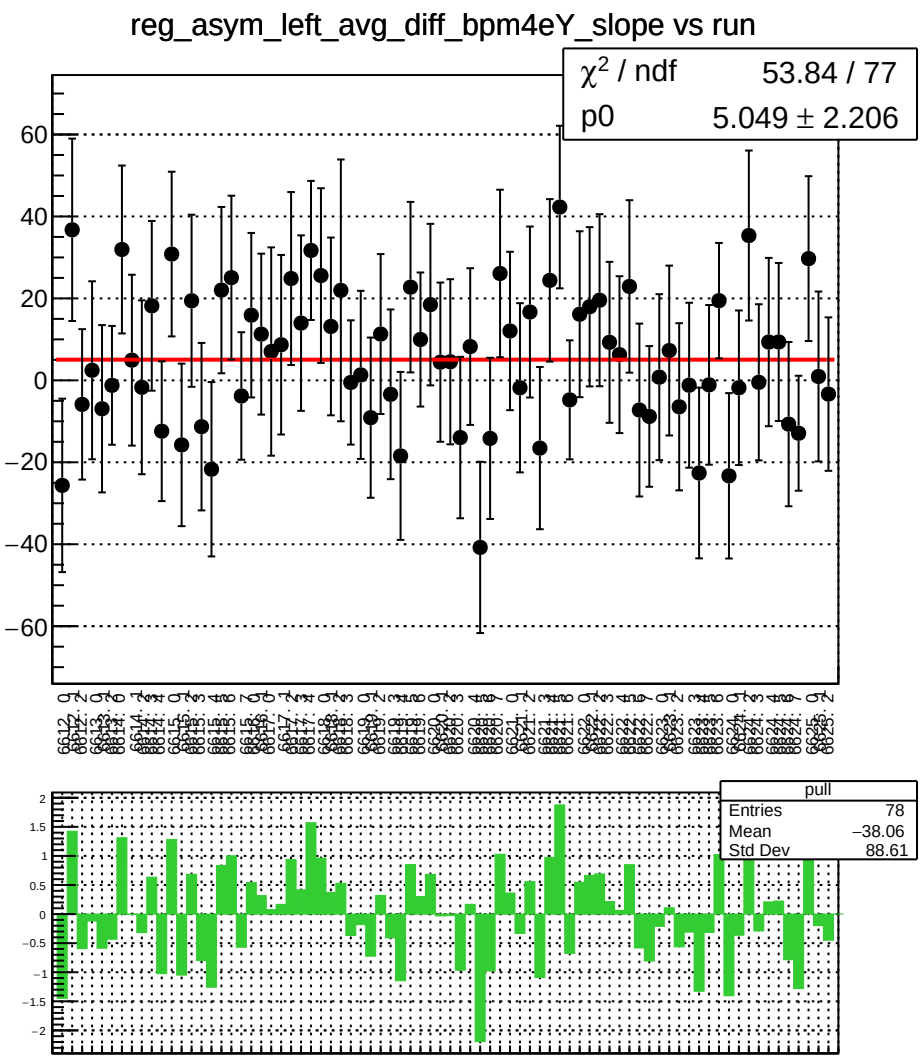

pull1D
Entries 78
Mean −0.002226
Std Dev 0.9668
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

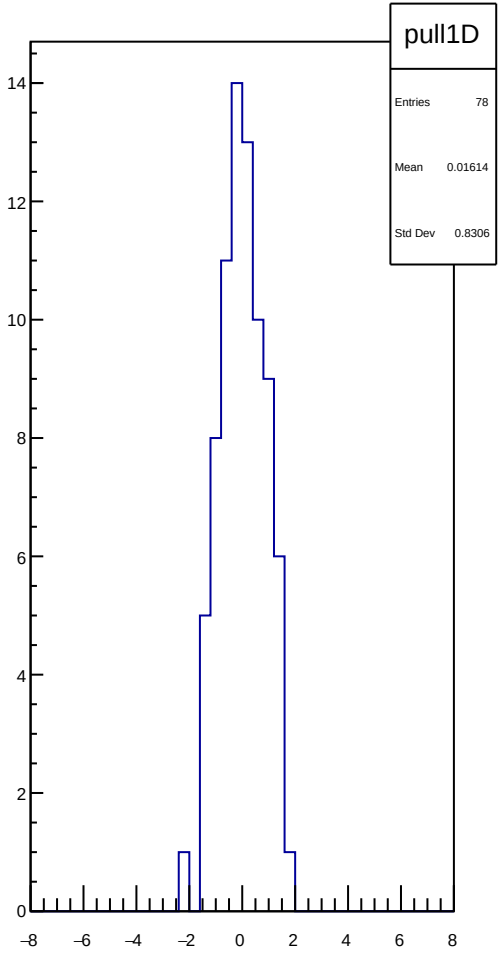

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 89.39 / 77
p0 −59.86 ± 2.664
pull
Entries 78
Mean −174.3
Std Dev 210.5
pull1D
Entries 78
Mean 0.02849
Std Dev 1.07

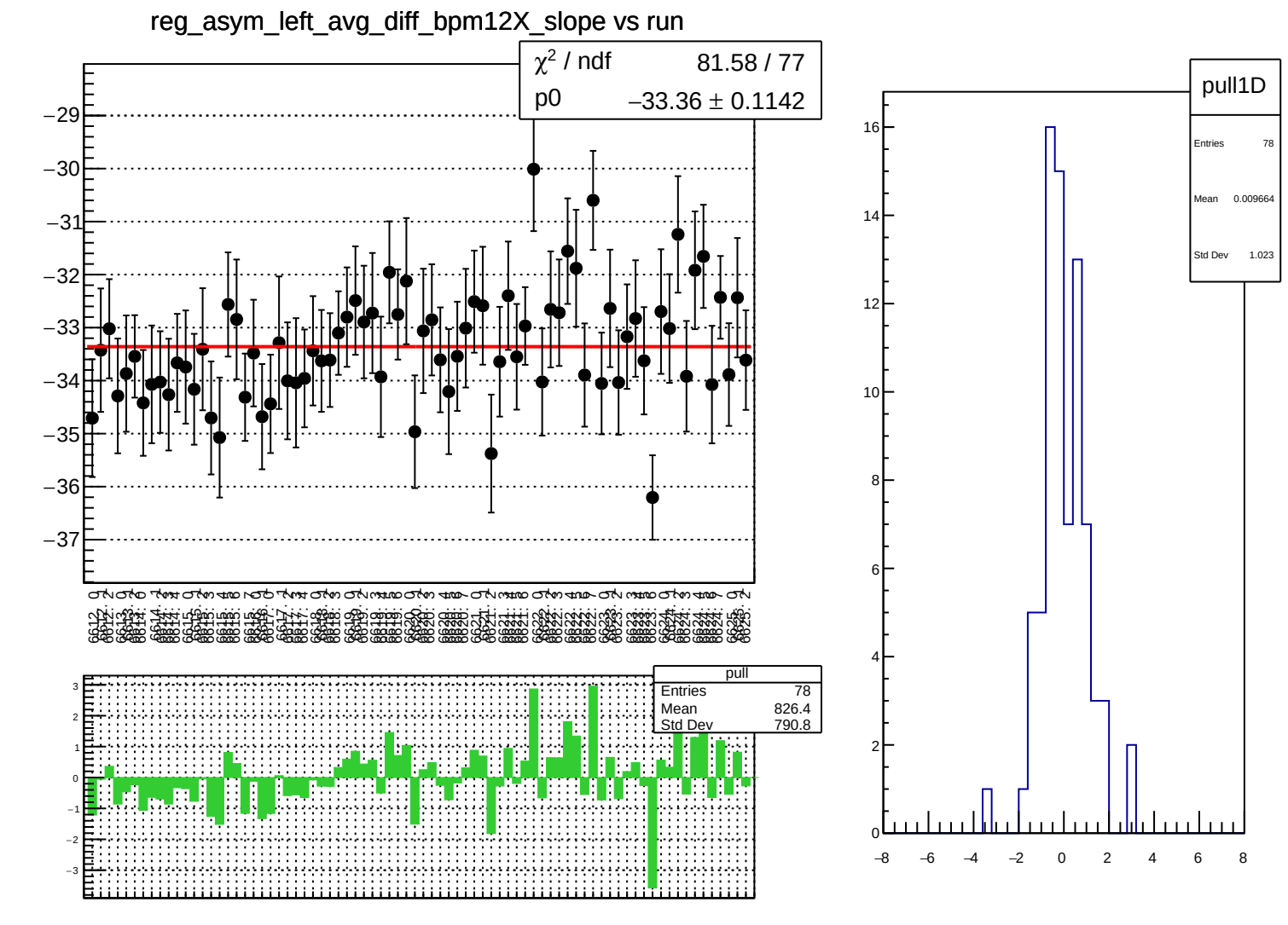

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 53.89 / 77
p0 4.39 ± 1.845
pull
Entries 78
Mean 17.52
Std Dev 46.2

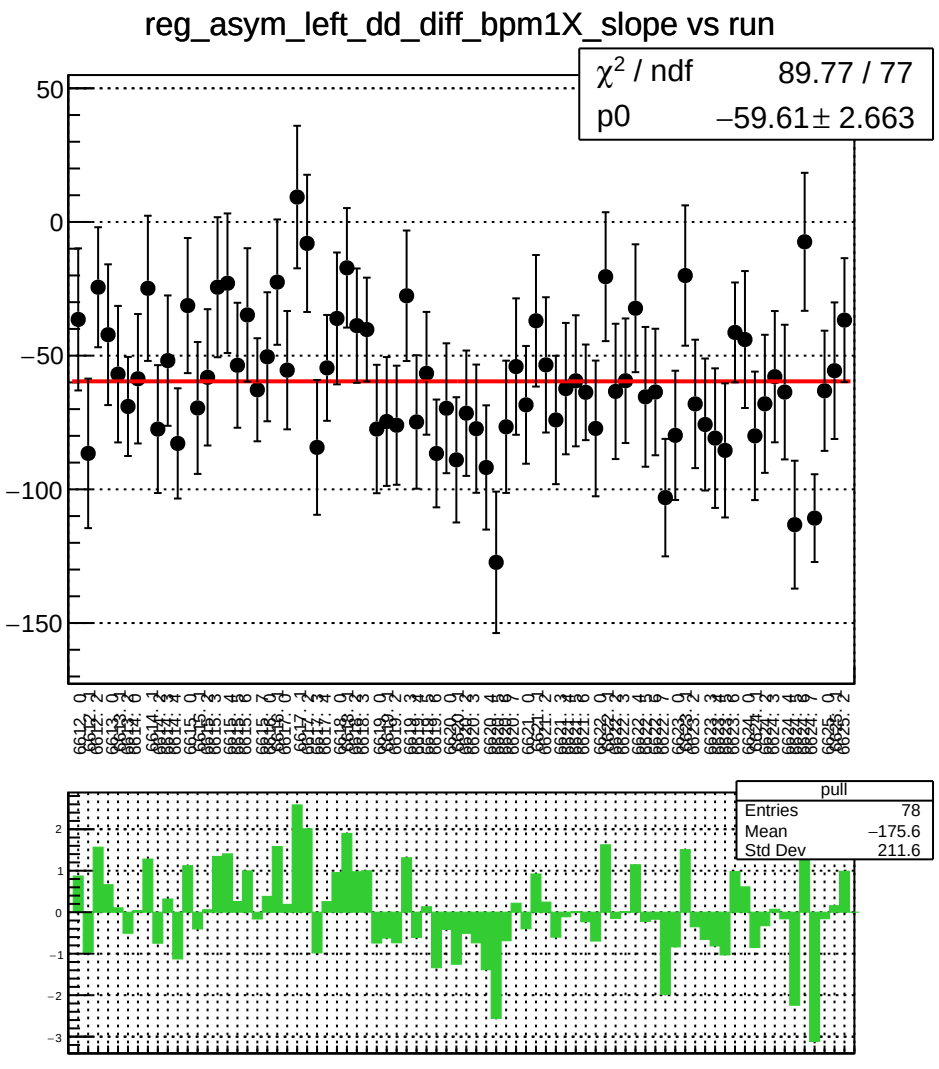

pull1D
Entries 78
Mean −0.02032
Std Dev 0.831

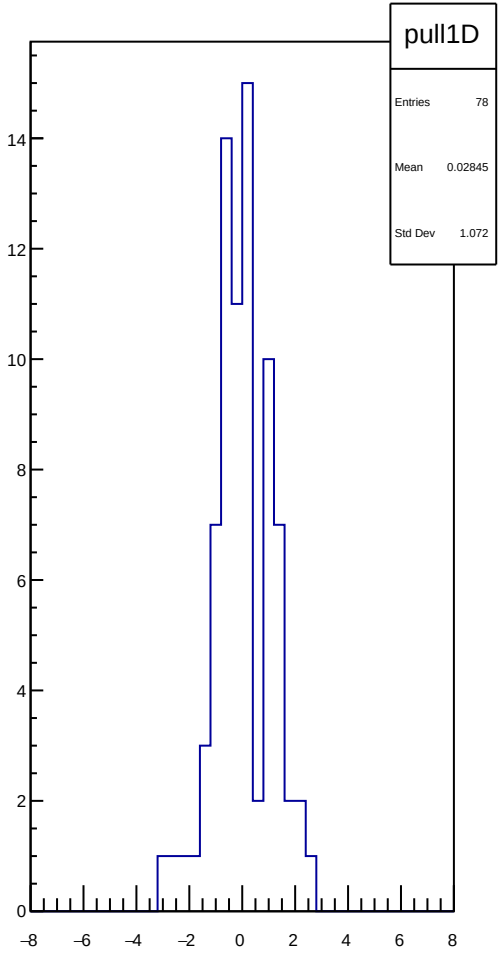

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 89.23 / 77
p0 14.45 ± 2.841
pull
Entries 78
Mean −179.6
Std Dev 215.8
pull1D
Entries 78
Mean −0.02895
Std Dev 1.069

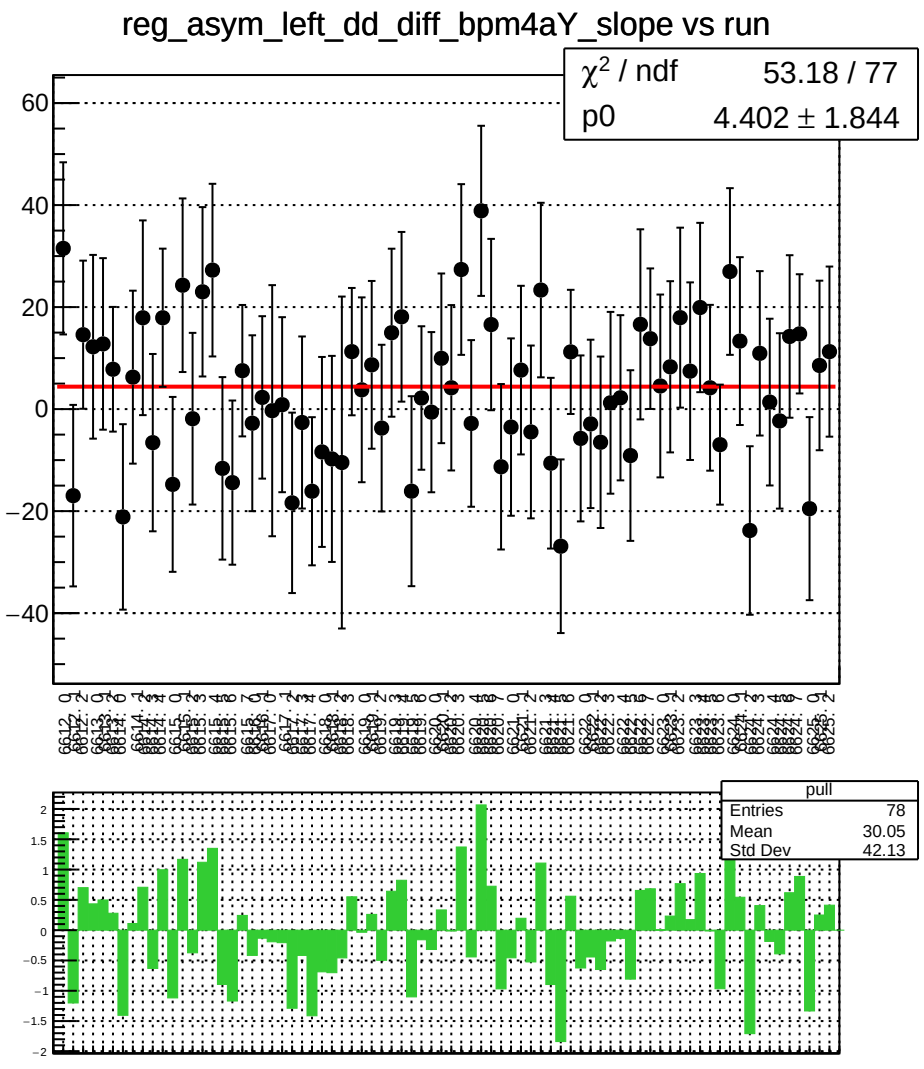

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 53.84 / 77
p0 5.049 ± 2.206
pull
Entries 78
Mean −38.06
Std Dev 88.61

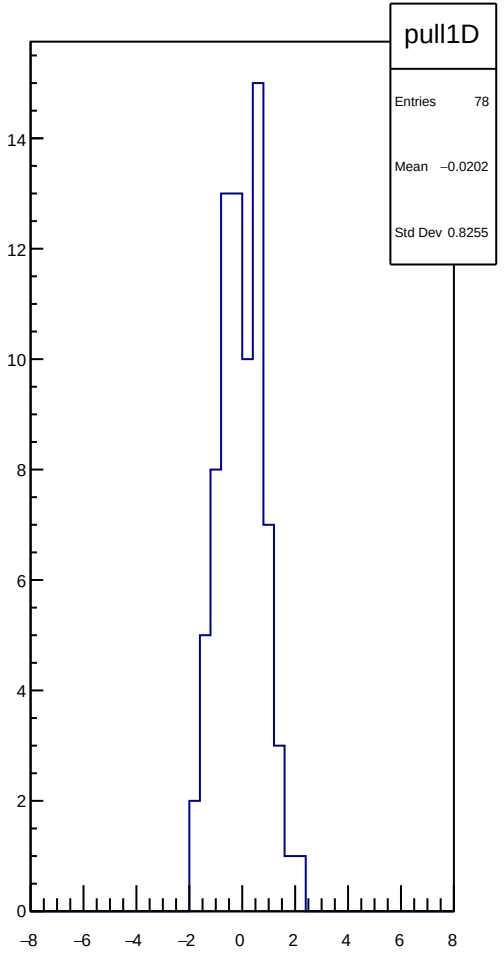

pull1D
Entries 78
Mean 0.01614
Std Dev 0.8306

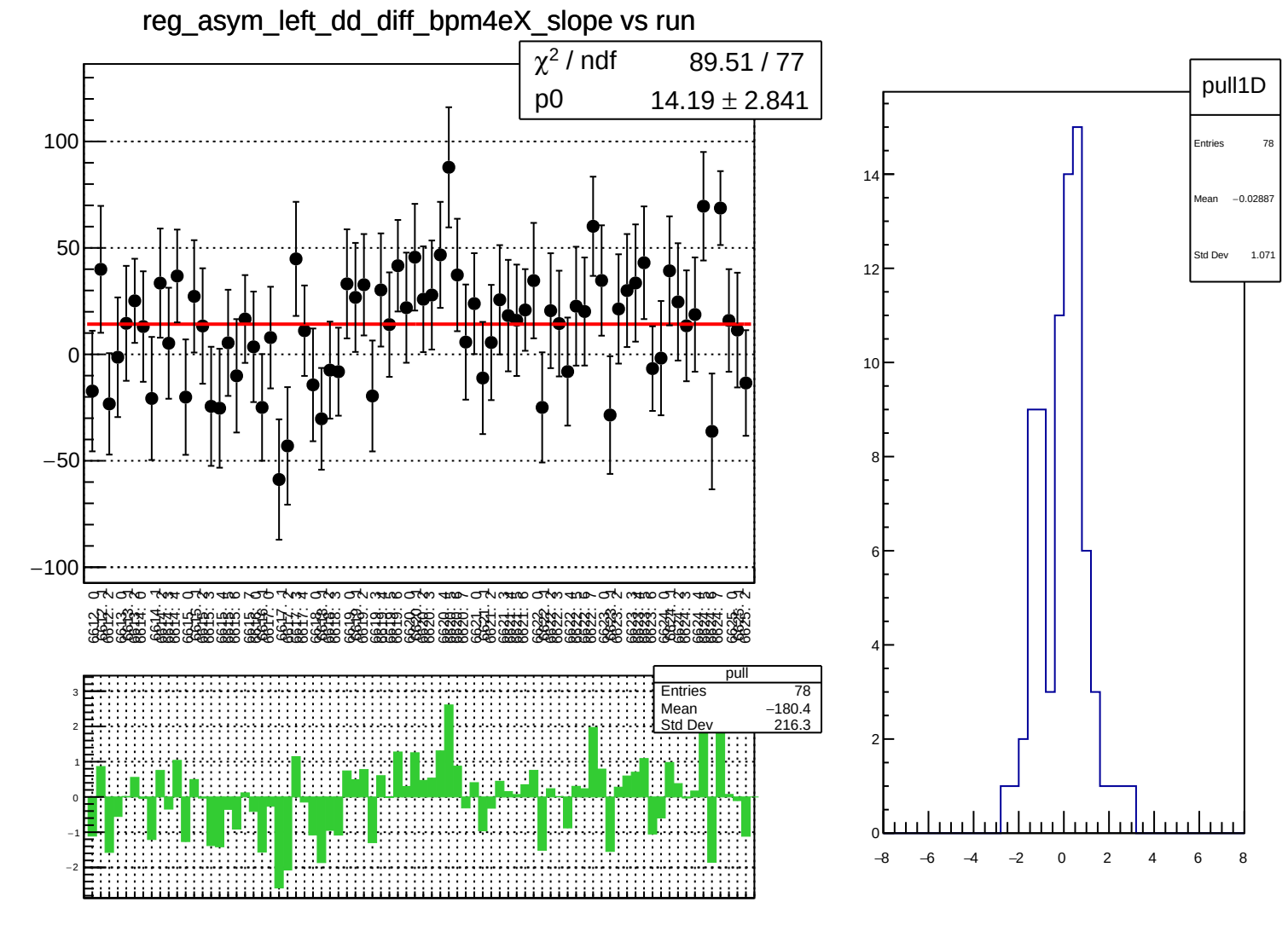

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 81.58 / 77
p0 −33.36 ± 0.1142
pull
Entries 78
Mean 826.4
Std Dev 790.8
pull1D
Entries 78
Mean 0.009664
Std Dev 1.023

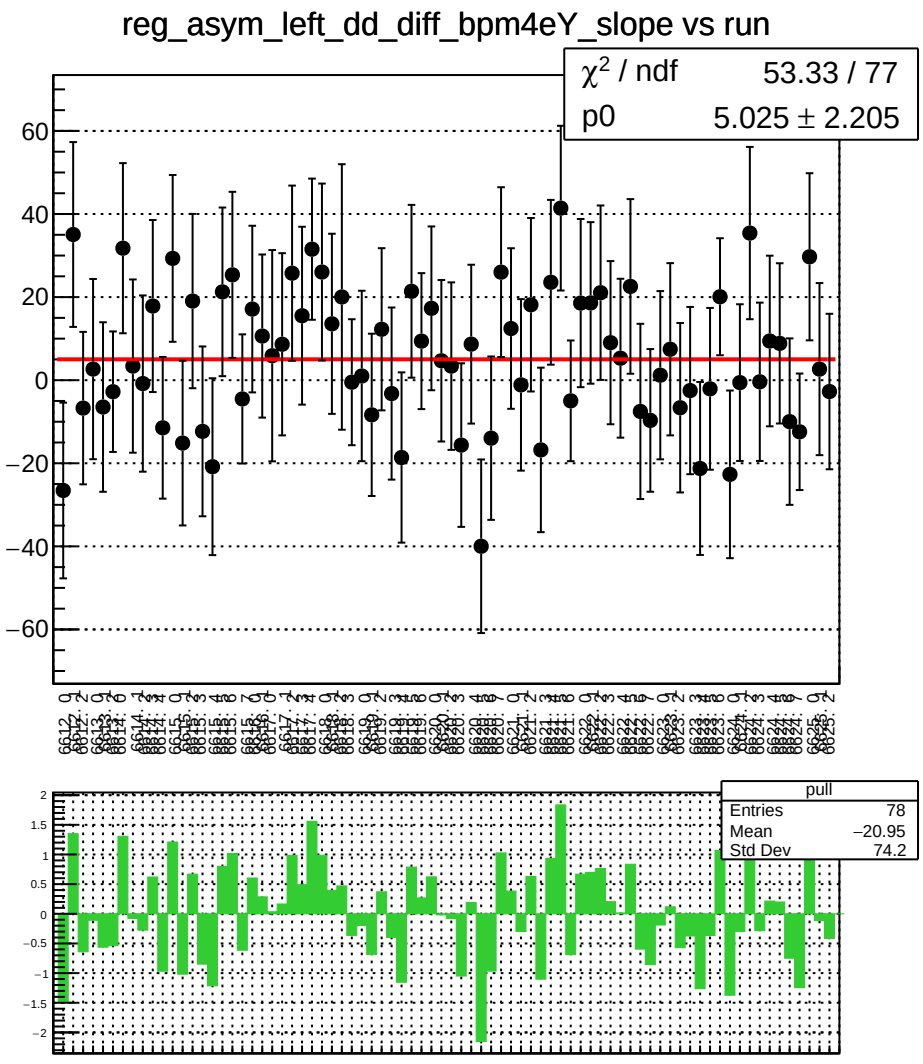

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 89.77 / 77
p0 −59.61 ± 2.663
pull
Entries 78
Mean −175.6
Std Dev 211.6

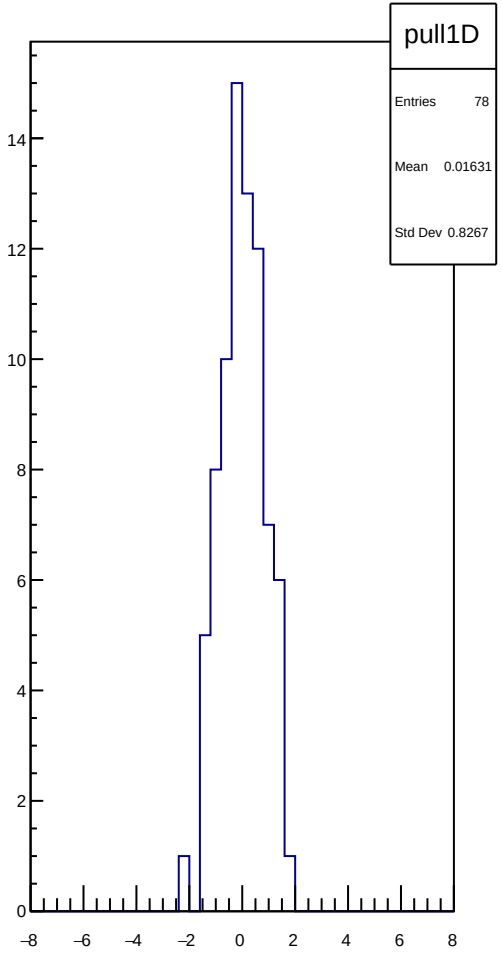

pull1D
Entries 78
Mean 0.02845
Std Dev 1.072

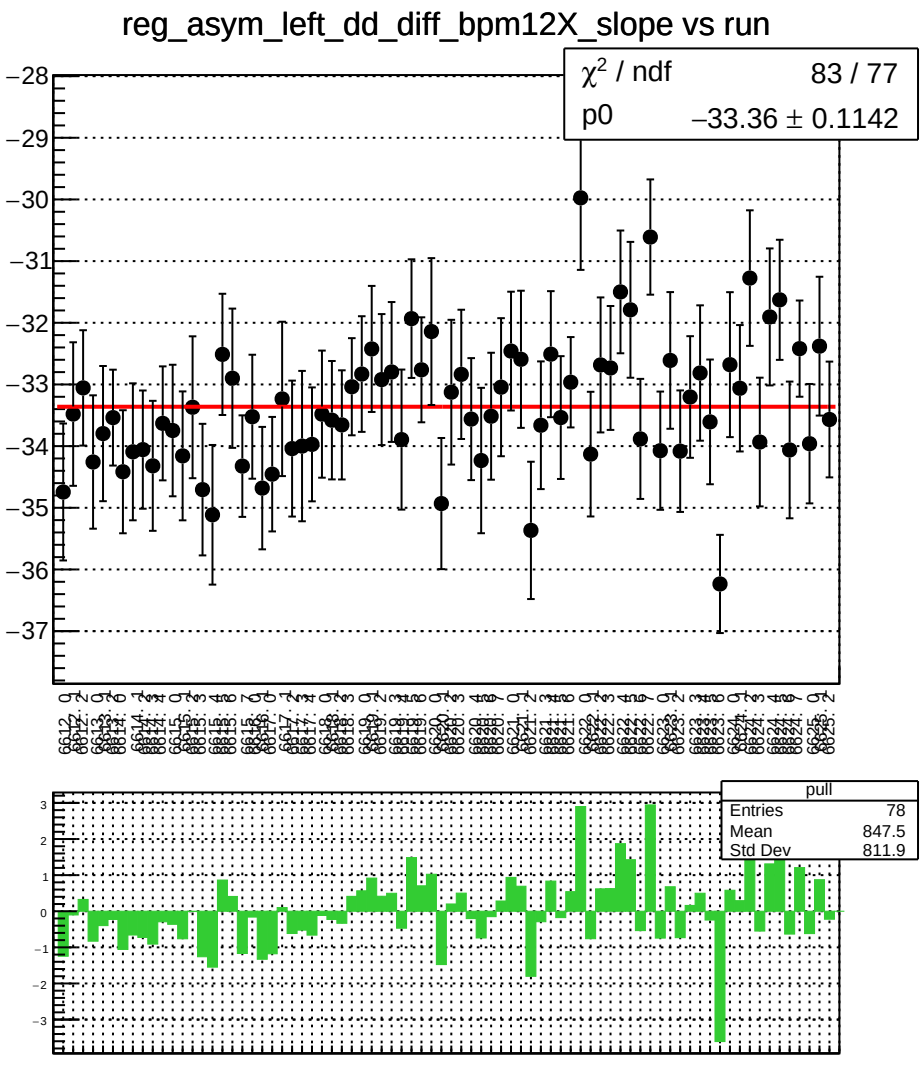

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 53.18 / 77
p0 4.402 ± 1.844
pull
Entries 78
Mean 30.05
Std Dev 42.13

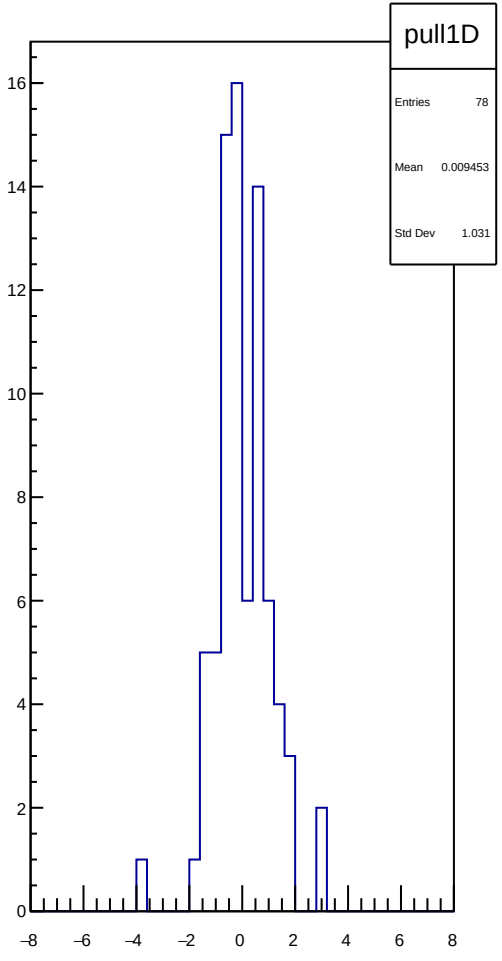

pull1D
Entries 78
Mean −0.0202
Std Dev 0.8255

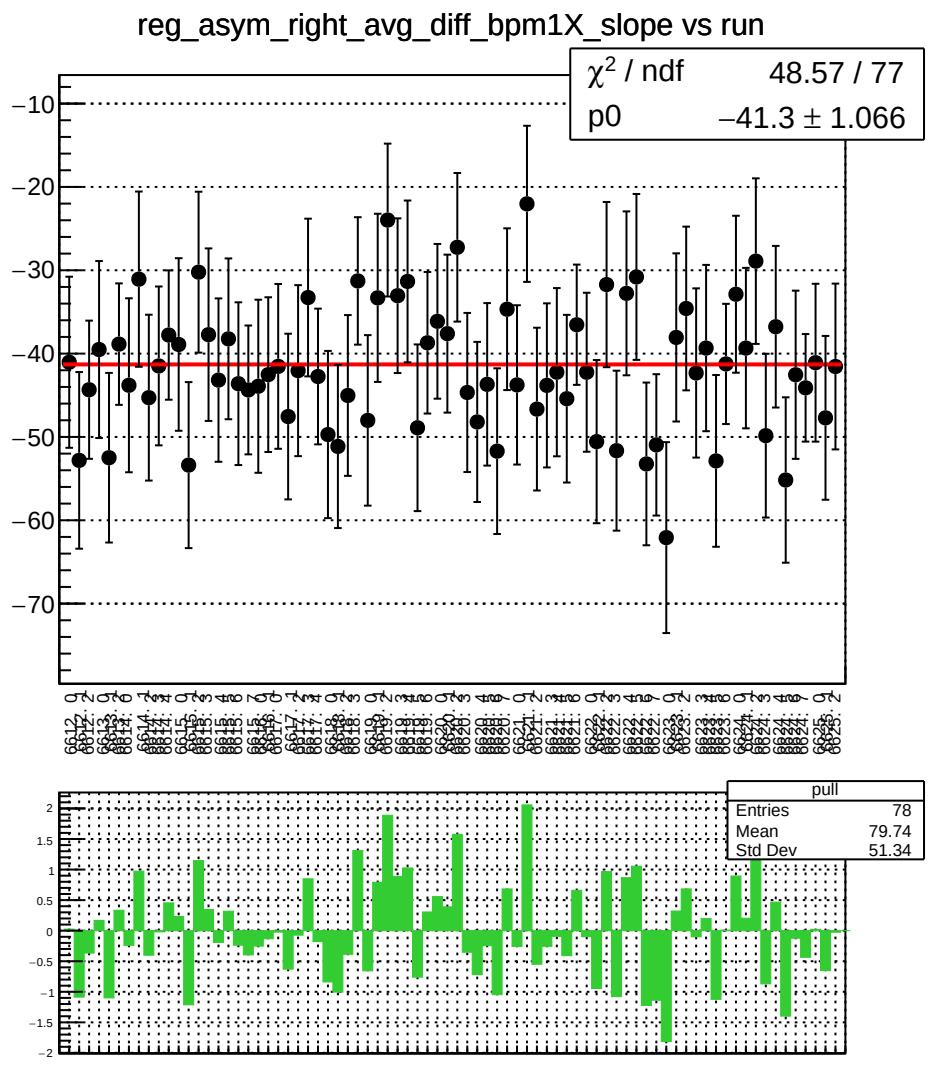

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 89.51 / 77
p0 14.19 ± 2.841
pull
Entries 78
Mean −180.4
Std Dev 216.3
pull1D
Entries 78
Mean −0.02887
Std Dev 1.071

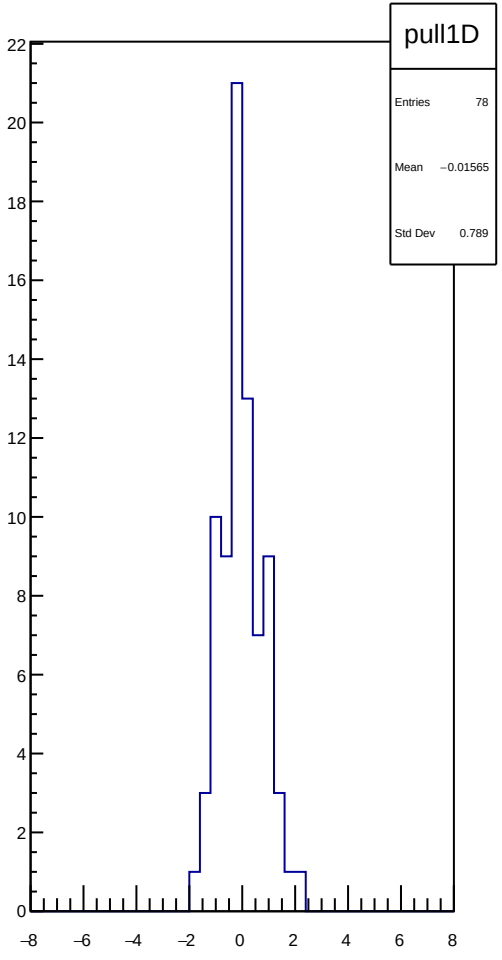

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 53.33 / 77
p0 5.025 ± 2.205
pull
Entries 78
Mean −20.95
Std Dev 74.2

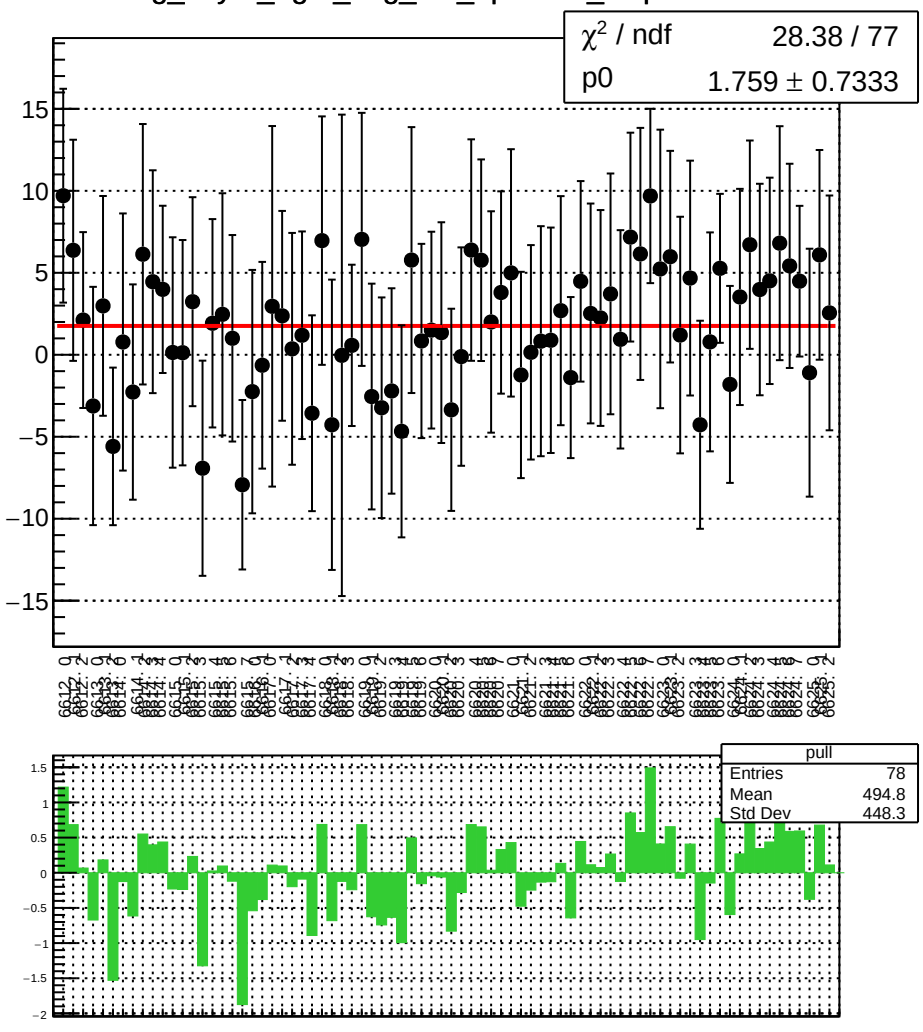

pull1D
Entries 78
Mean 0.01631
Std Dev 0.8267

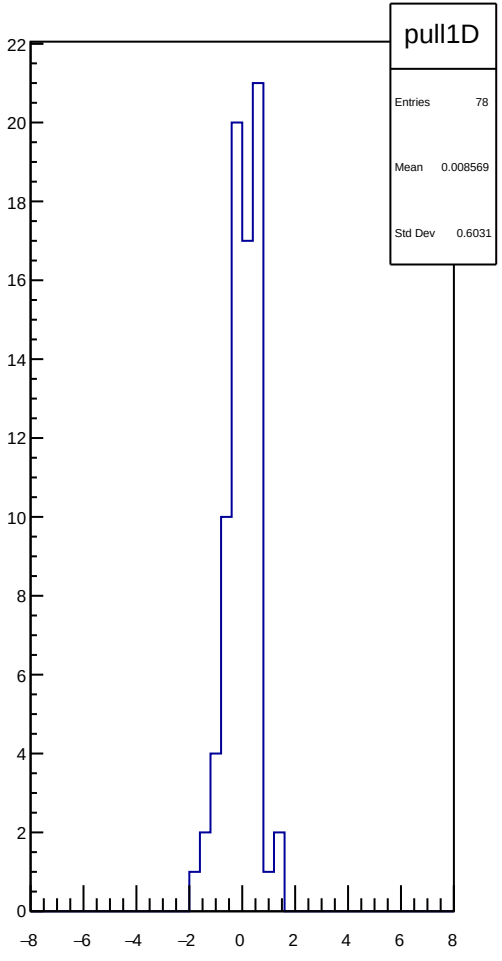

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 83 / 77
p0 −33.36 ± 0.1142
pull
Entries 78
Mean 847.5
Std Dev 811.9

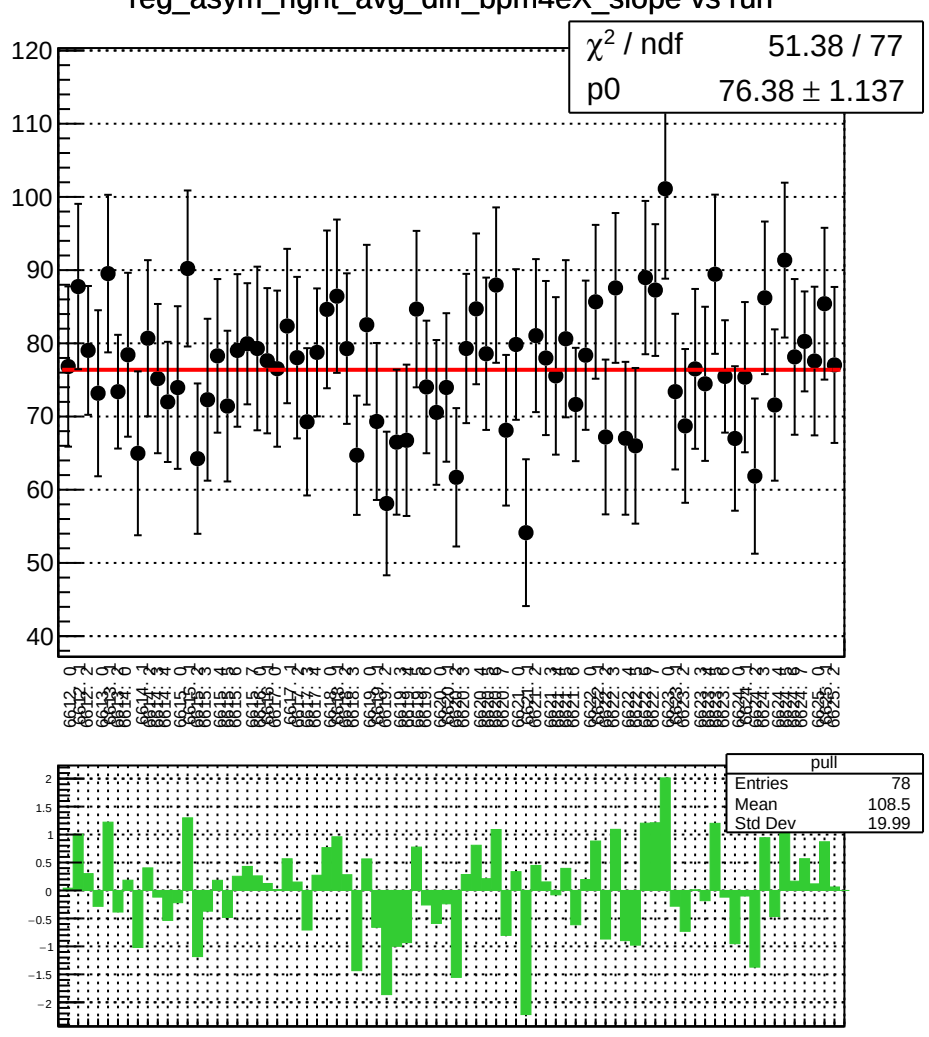

pull1D
Entries 78
Mean 0.009453
Std Dev 1.031

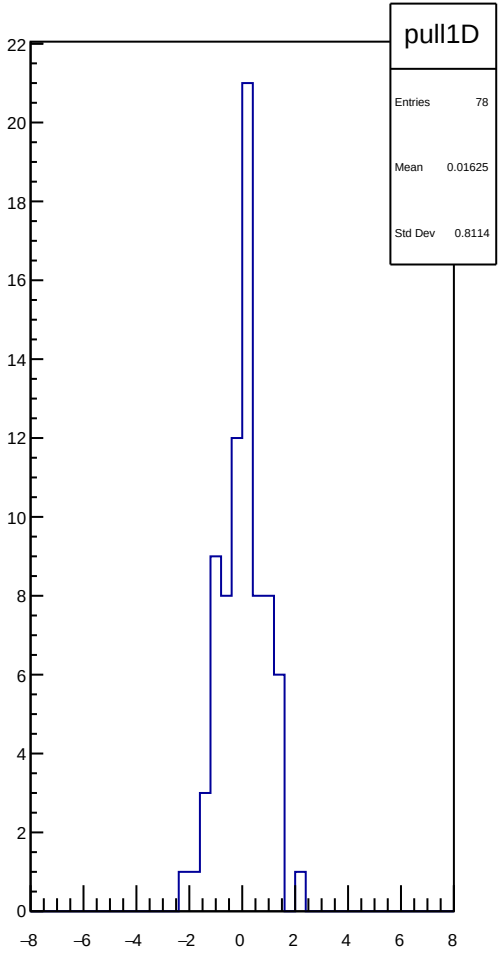

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 48.57 / 77
p0 −41.3 ± 1.066
pull
Entries 78
Mean 79.74
Std Dev 51.34

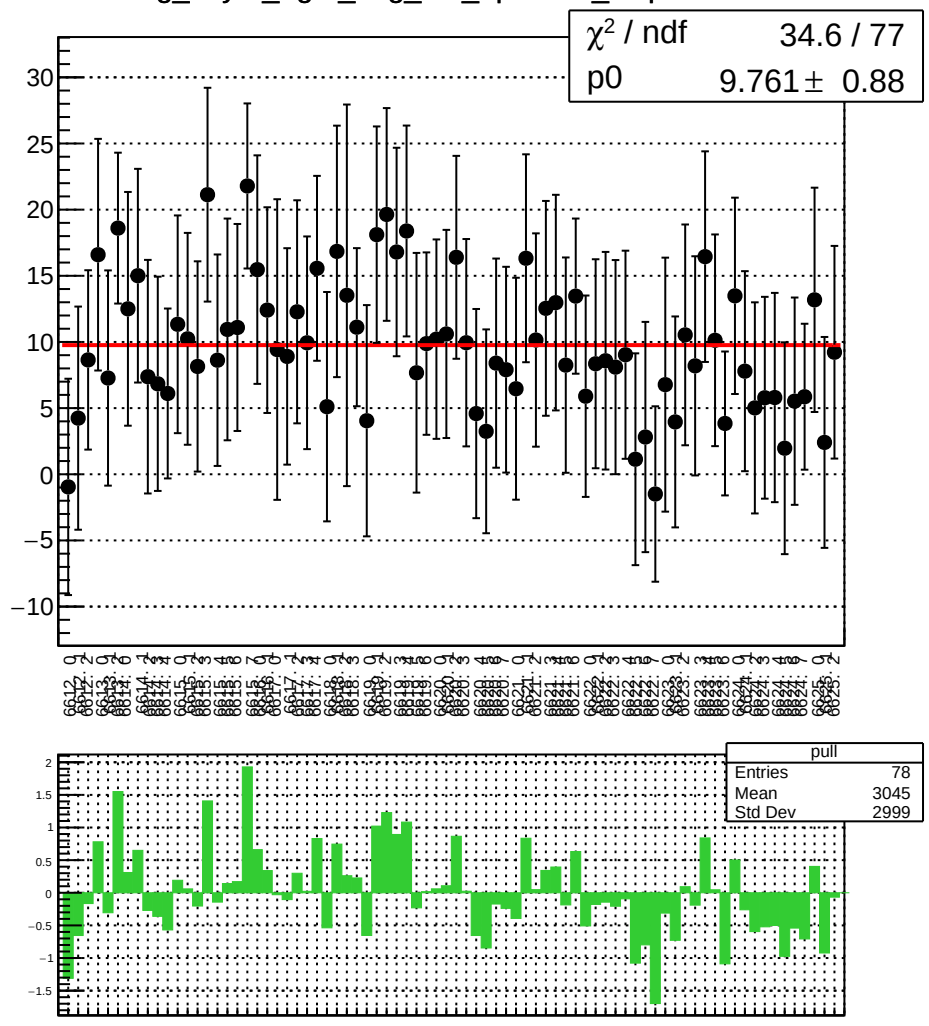

pull1D
Entries 78
Mean −0.01565
Std Dev 0.789

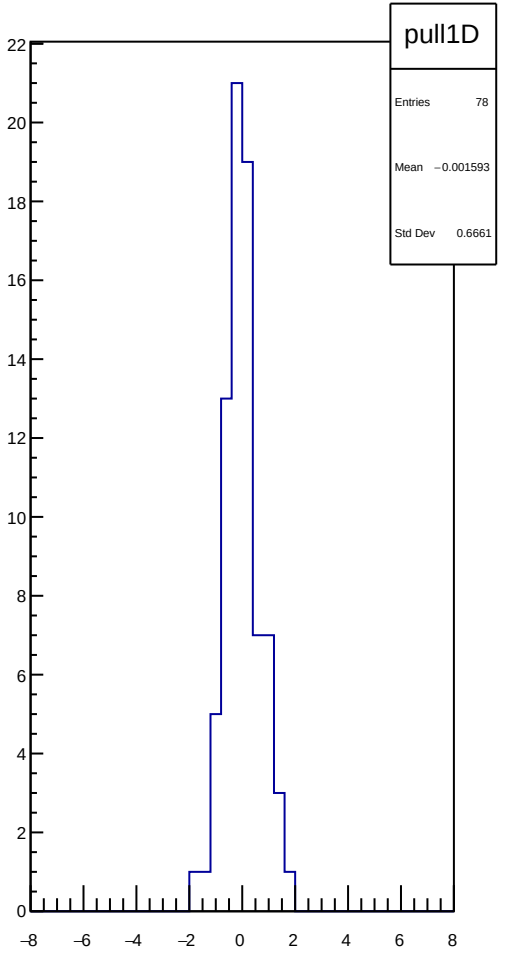

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 28.38 / 77
p0 1.759 ± 0.7333
pull
Entries 78
Mean 494.8
Std Dev 448.3

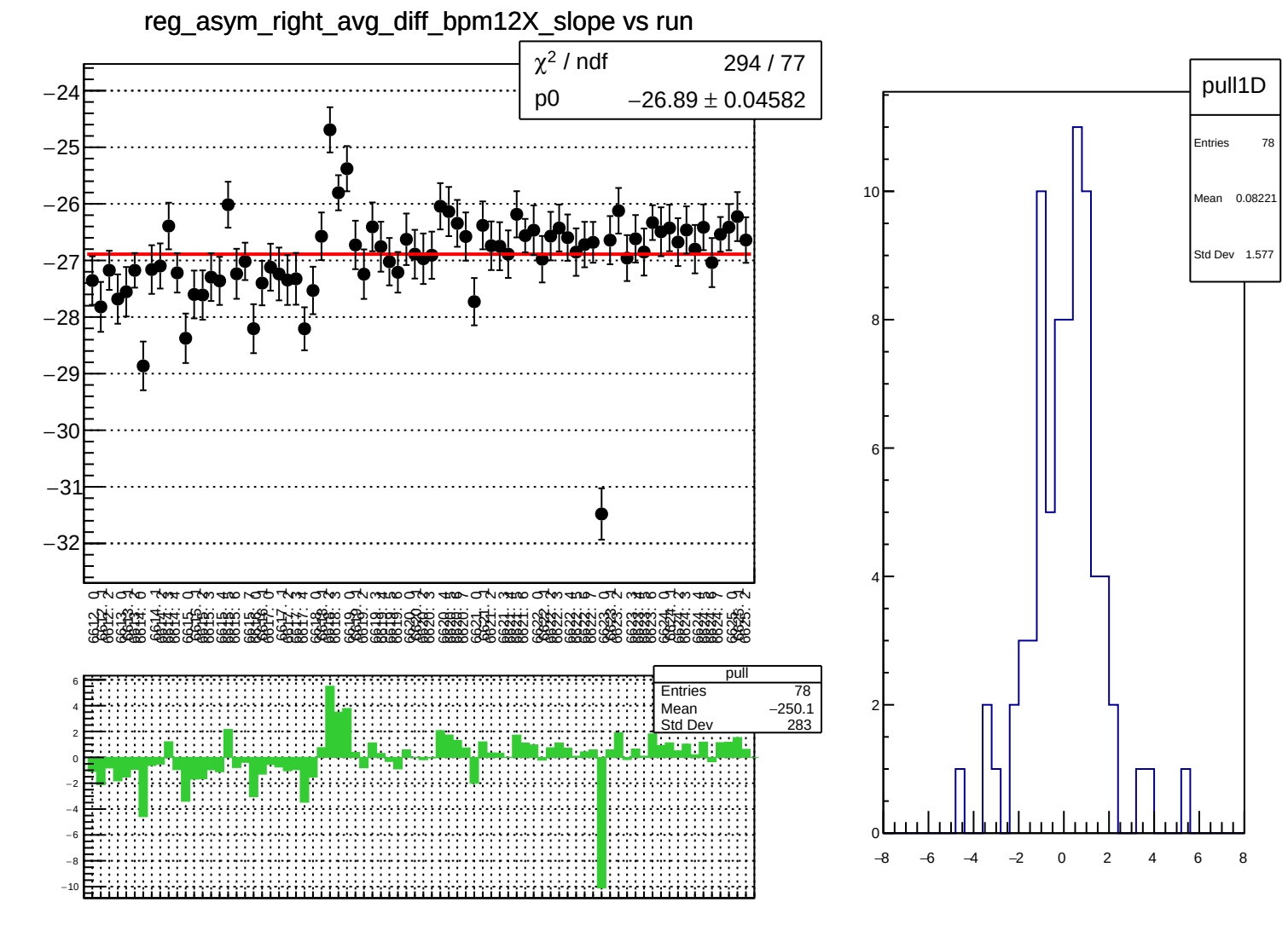

pull1D
Entries 78
Mean 0.008569
Std Dev 0.6031

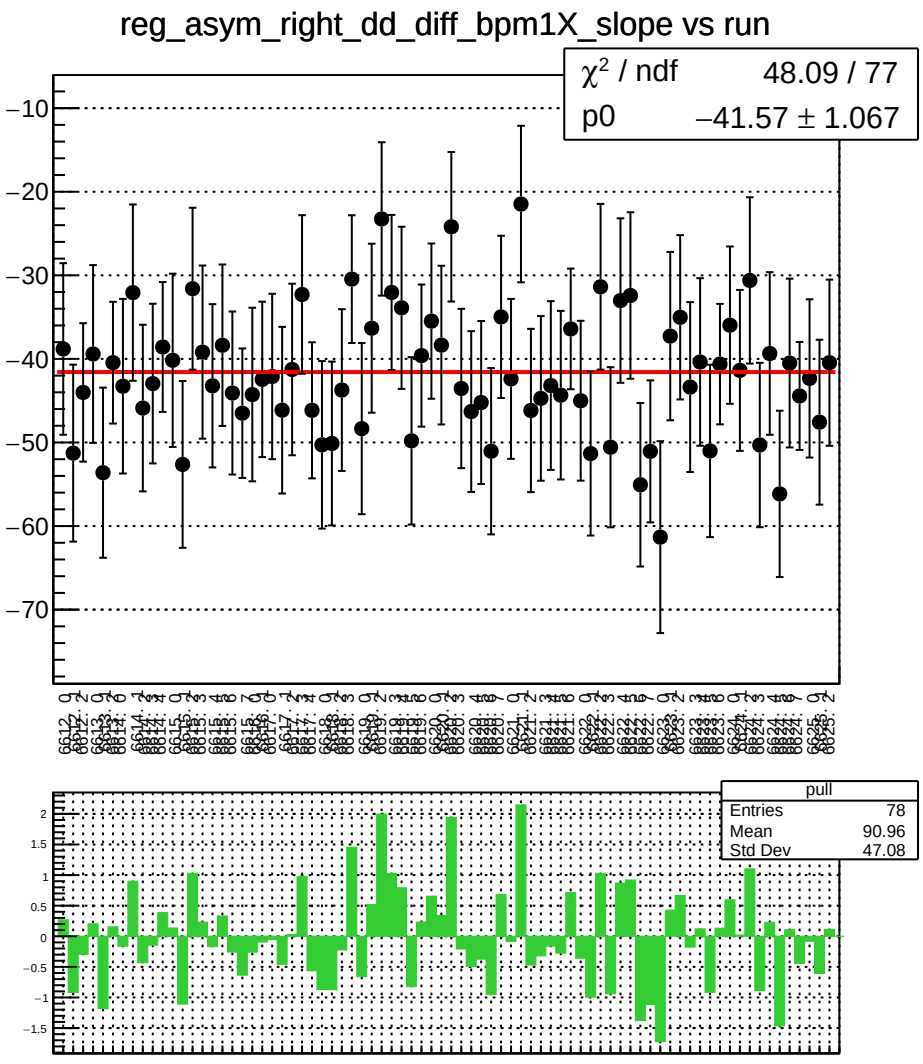

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 51.38 / 77
p0 76.38 ± 1.137
pull
Entries 78
Mean 108.5
Std Dev 19.99

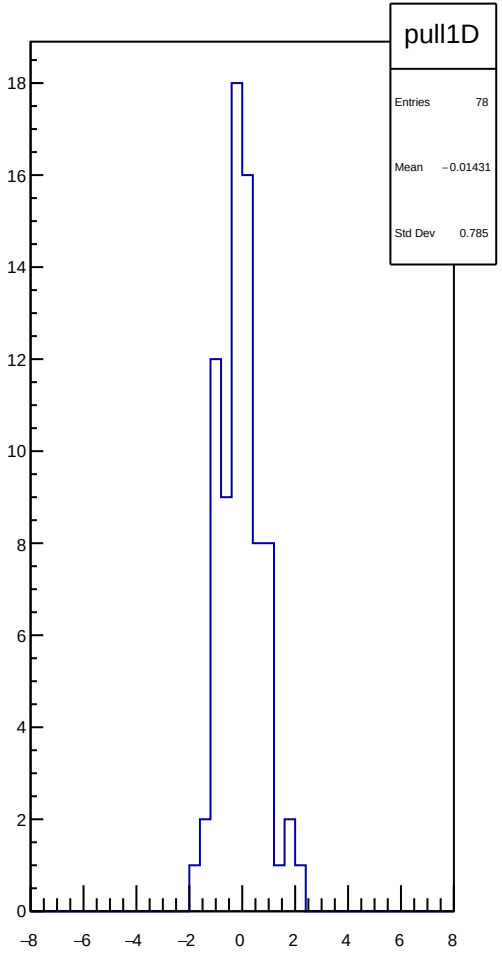

pull1D
Entries 78
Mean 0.01625
Std Dev 0.8114

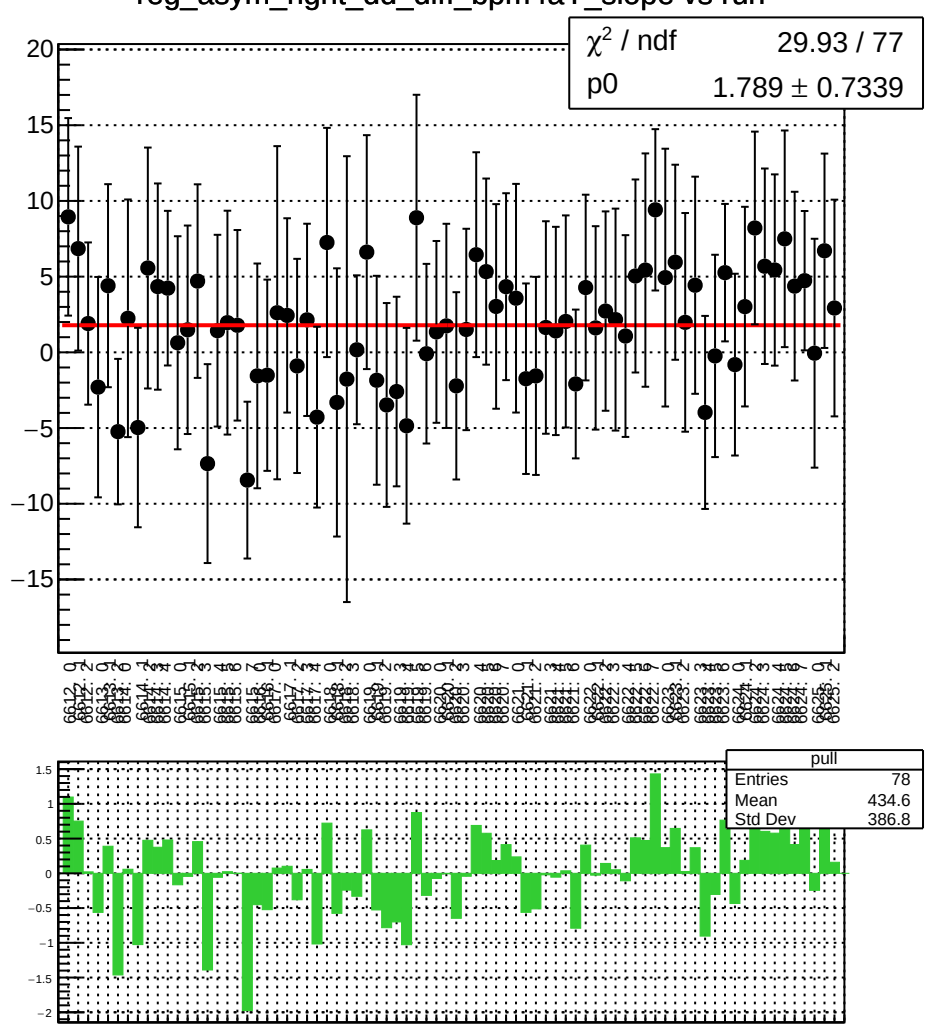

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 34.6 / 77
p0 9.761 ± 0.88
pull
Entries 78
Mean 3045
Std Dev 2999

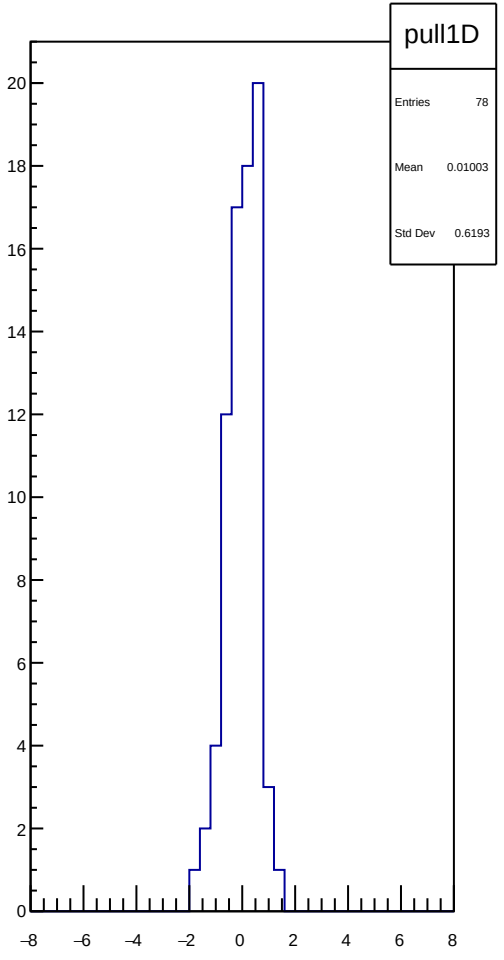

pull1D
Entries 78
Mean −0.001593
Std Dev 0.6661

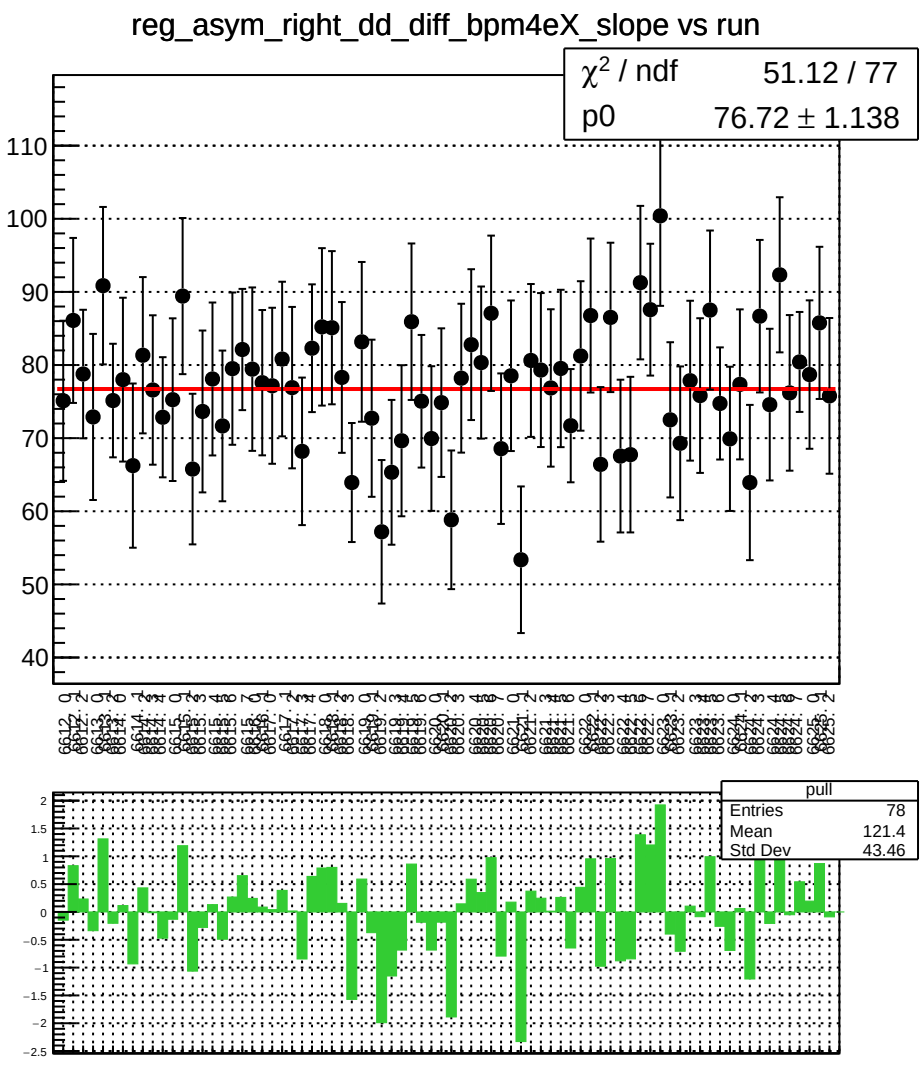

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 294 / 77
p0 −26.89 ± 0.04582
pull
Entries 78
Mean −250.1
Std Dev 283
pull1D
Entries 78
Mean 0.08221
Std Dev 1.577

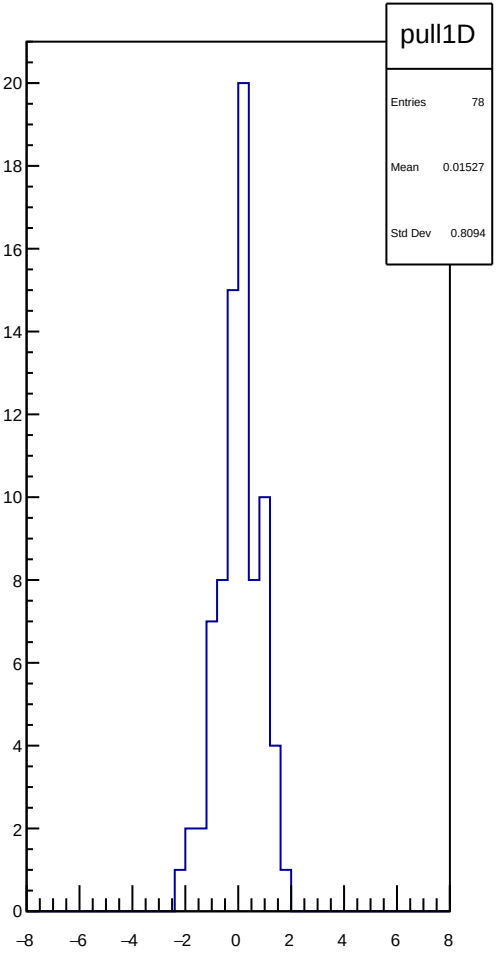

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 48.09 / 77
p0 −41.57 ± 1.067
pull
Entries 78
Mean 90.96
Std Dev 47.08

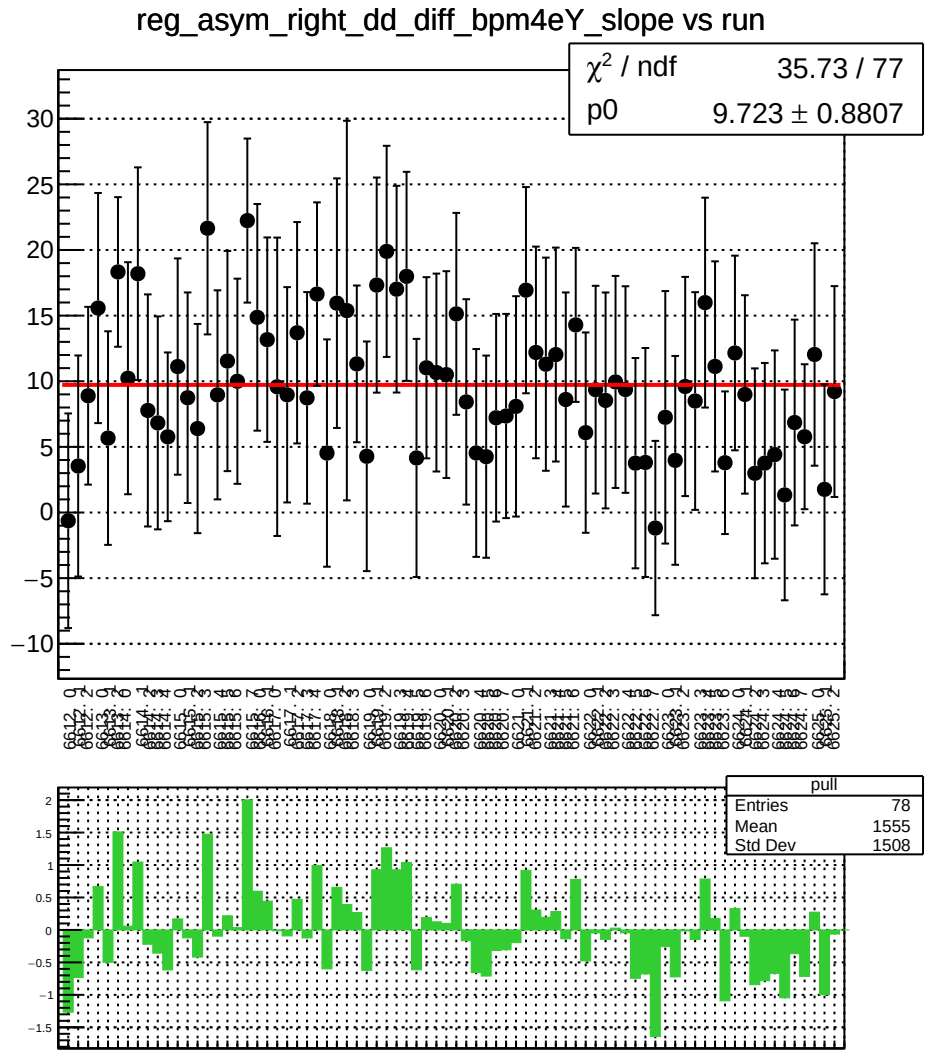

pull1D
Entries 78
Mean −0.01431
Std Dev 0.785

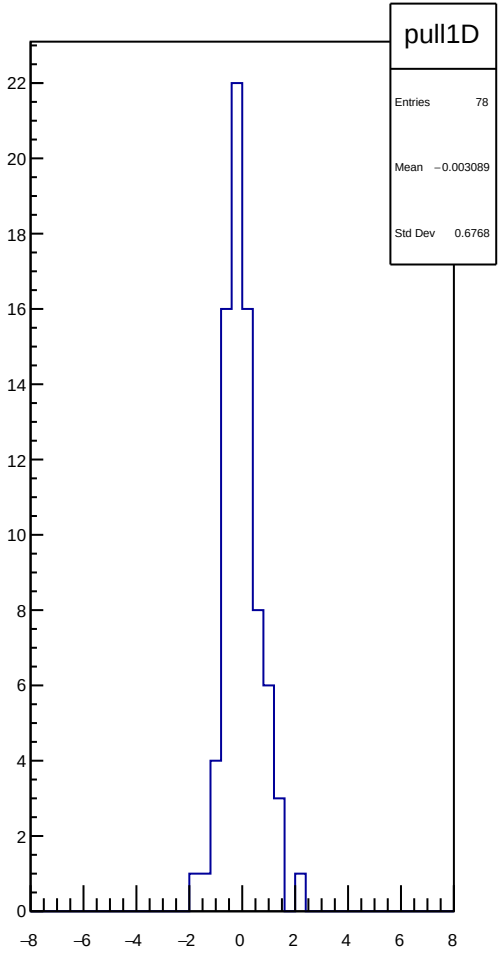

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 29.93 / 77
p0 1.789 ± 0.7339
pull
Entries 78
Mean 434.6
Std Dev 386.8

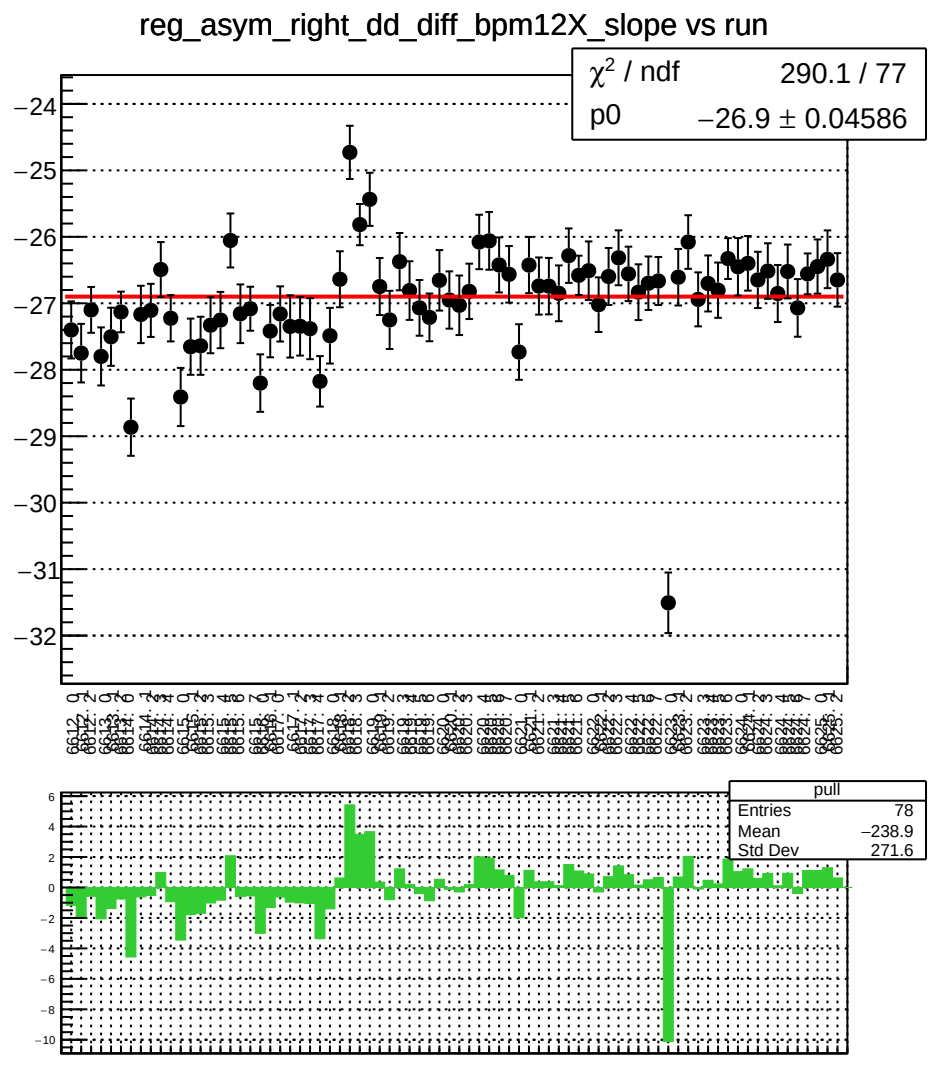

pull1D
Entries 78
Mean 0.01003
Std Dev 0.6193

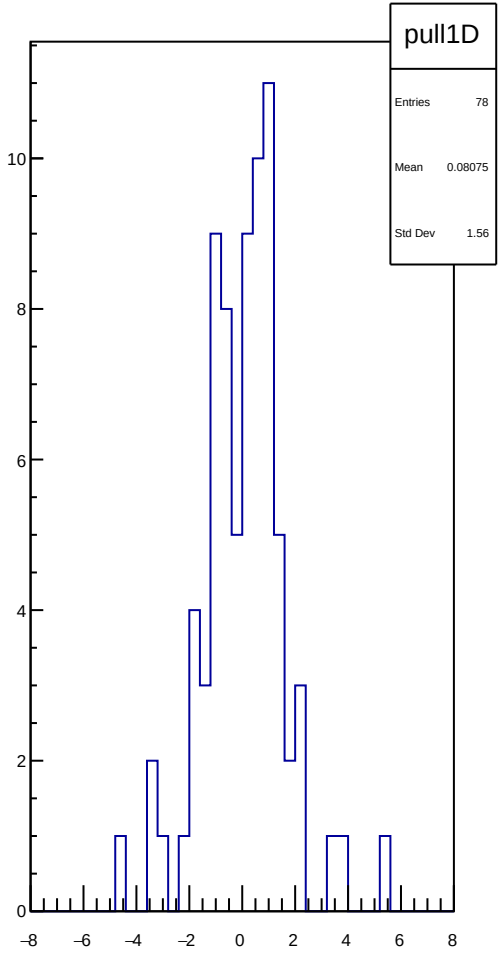

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 51.12 / 77
p0 76.72 ± 1.138
pull
Entries 78
Mean 121.4
Std Dev 43.46

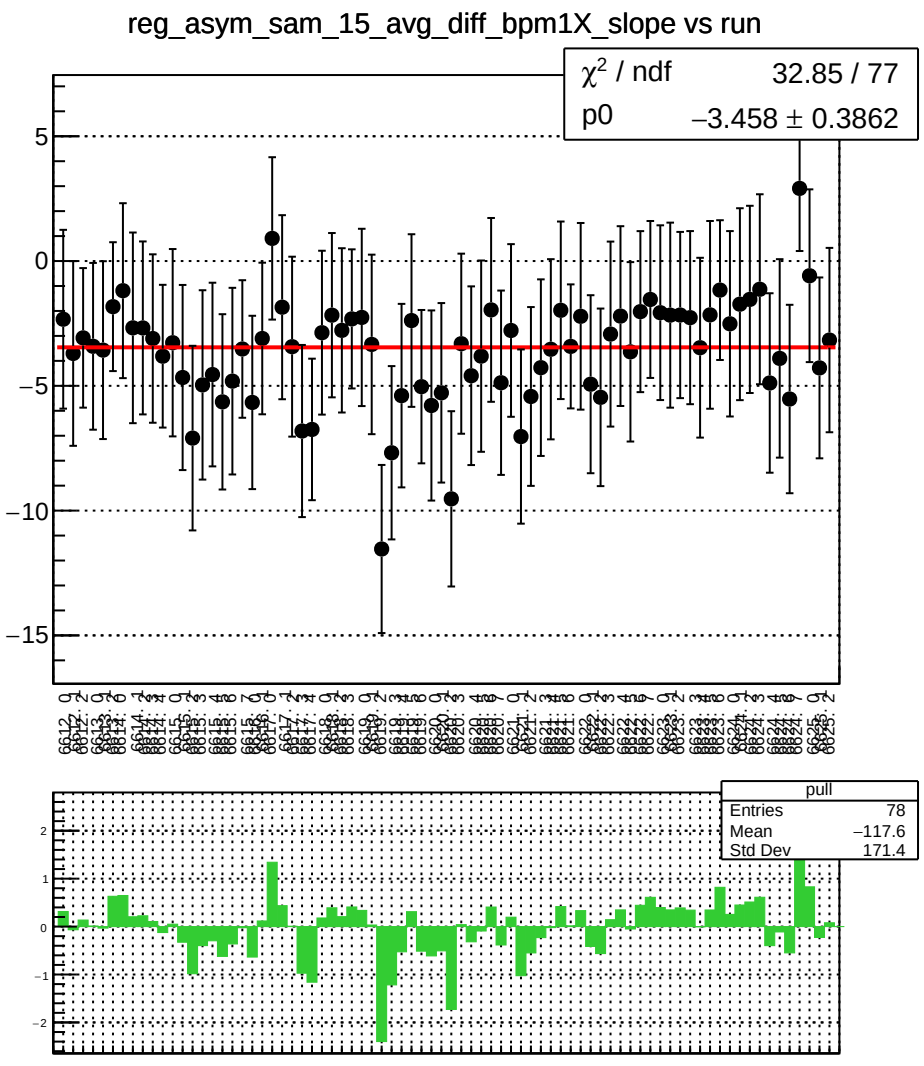

pull1D
Entries 78
Mean 0.01527
Std Dev 0.8094

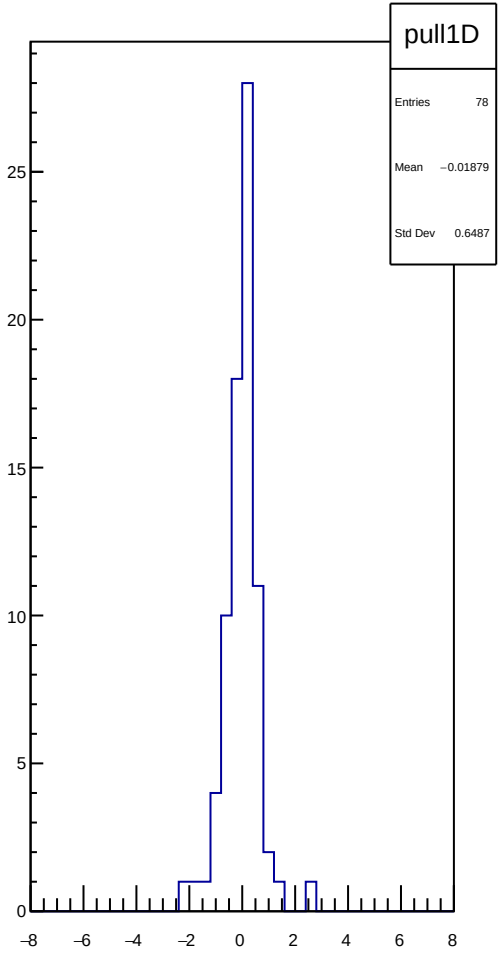

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 35.73 / 77
p0 9.723 ± 0.8807
pull
Entries 78
Mean 1555
Std Dev 1508

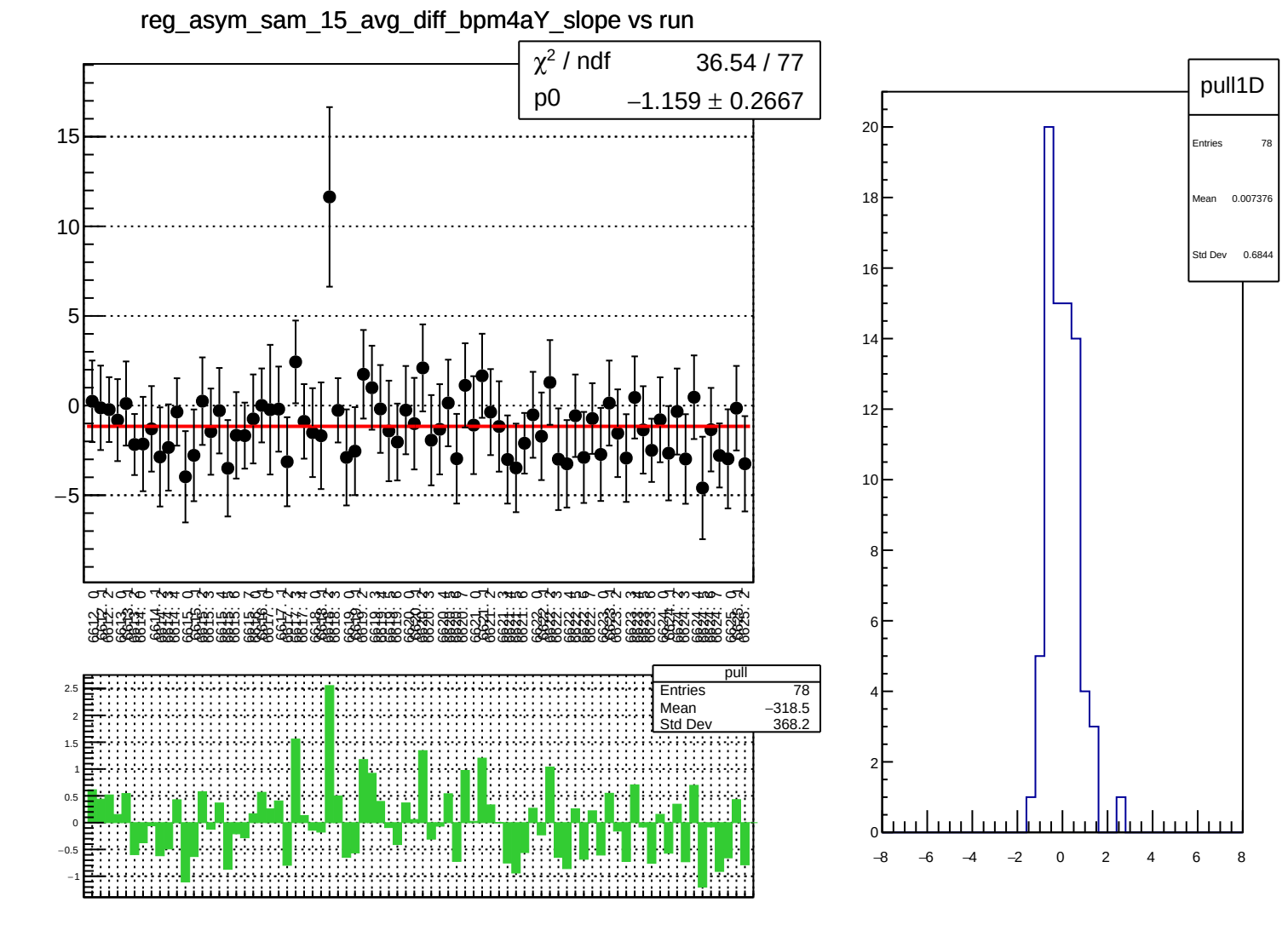

pull1D
Entries 78
Mean −0.003089
Std Dev 0.6768

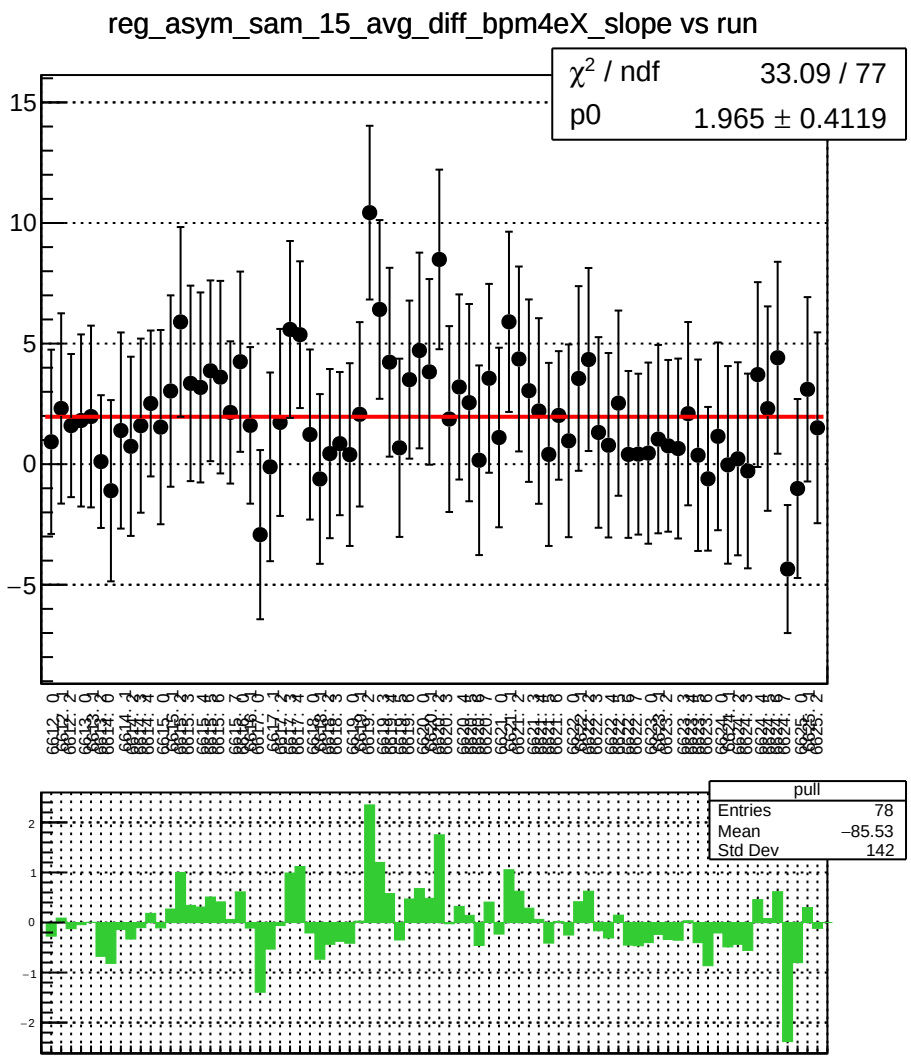

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 290.1 / 77
p0 −26.9 ± 0.04586
pull
Entries 78
Mean −238.9
Std Dev 271.6

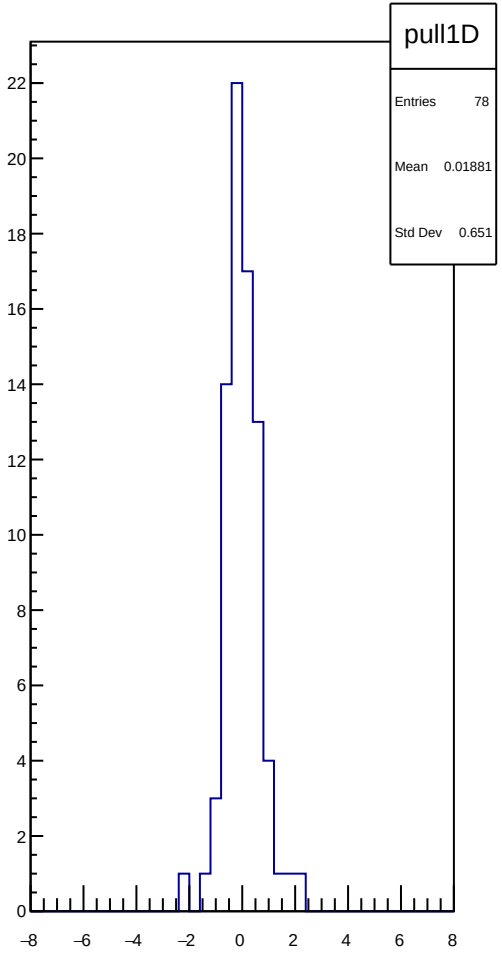

pull1D
Entries 78
Mean 0.08075
Std Dev 1.56

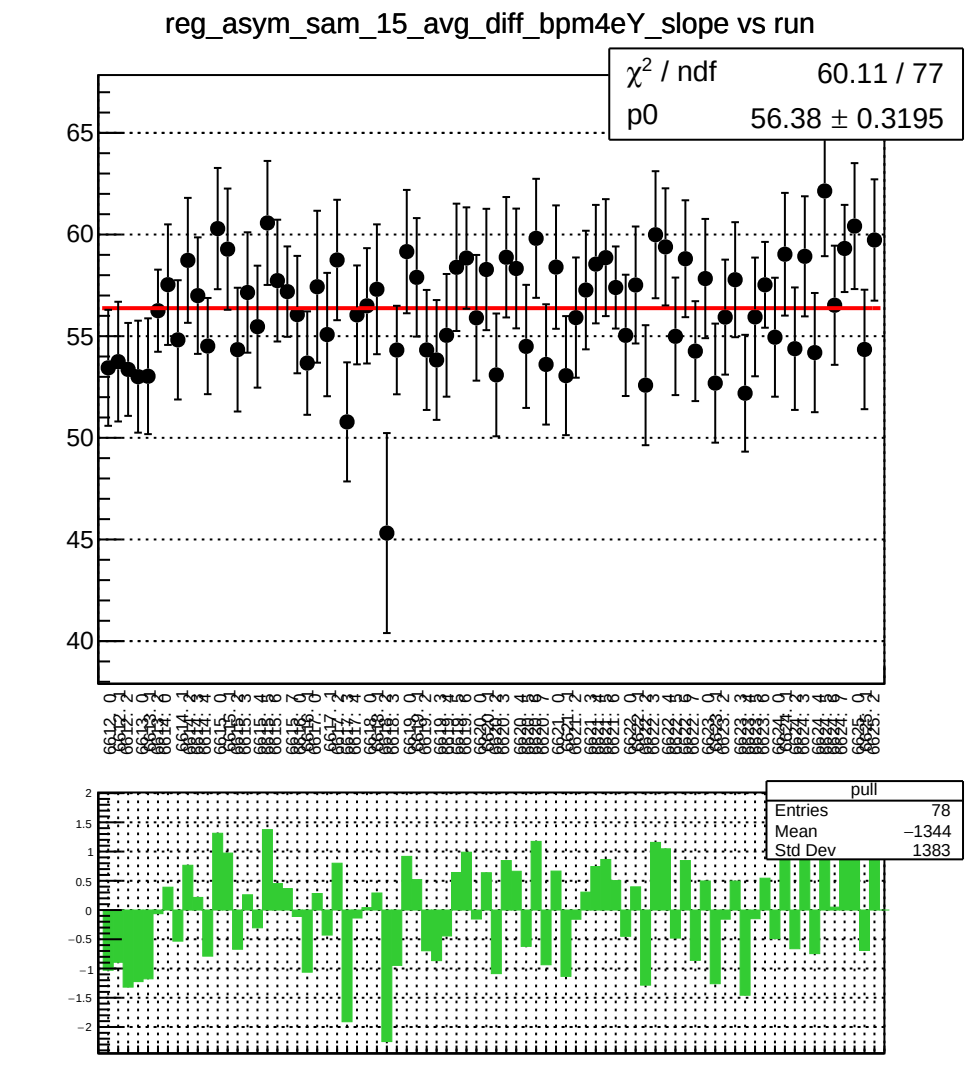

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 32.85 / 77
p0 −3.458 ± 0.3862
pull
Entries 78
Mean −117.6
Std Dev 171.4

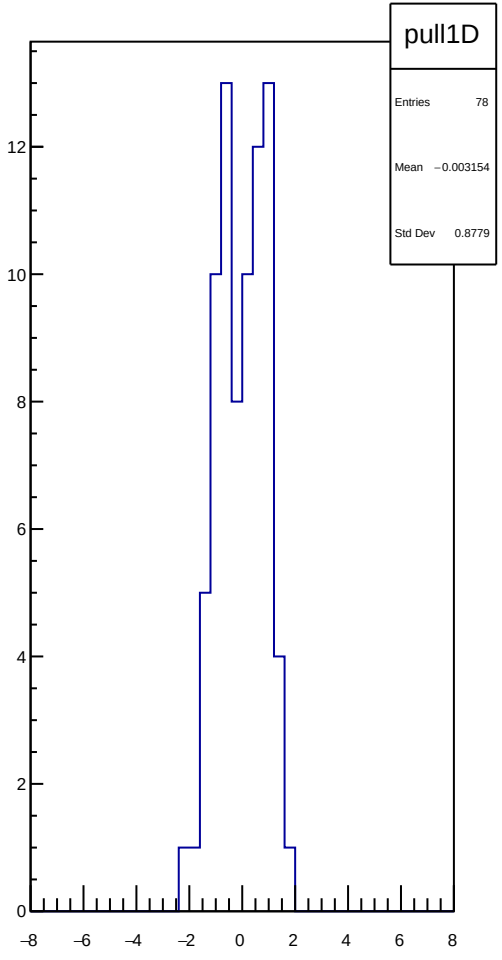

pull1D
Entries 78
Mean −0.01879
Std Dev 0.6487

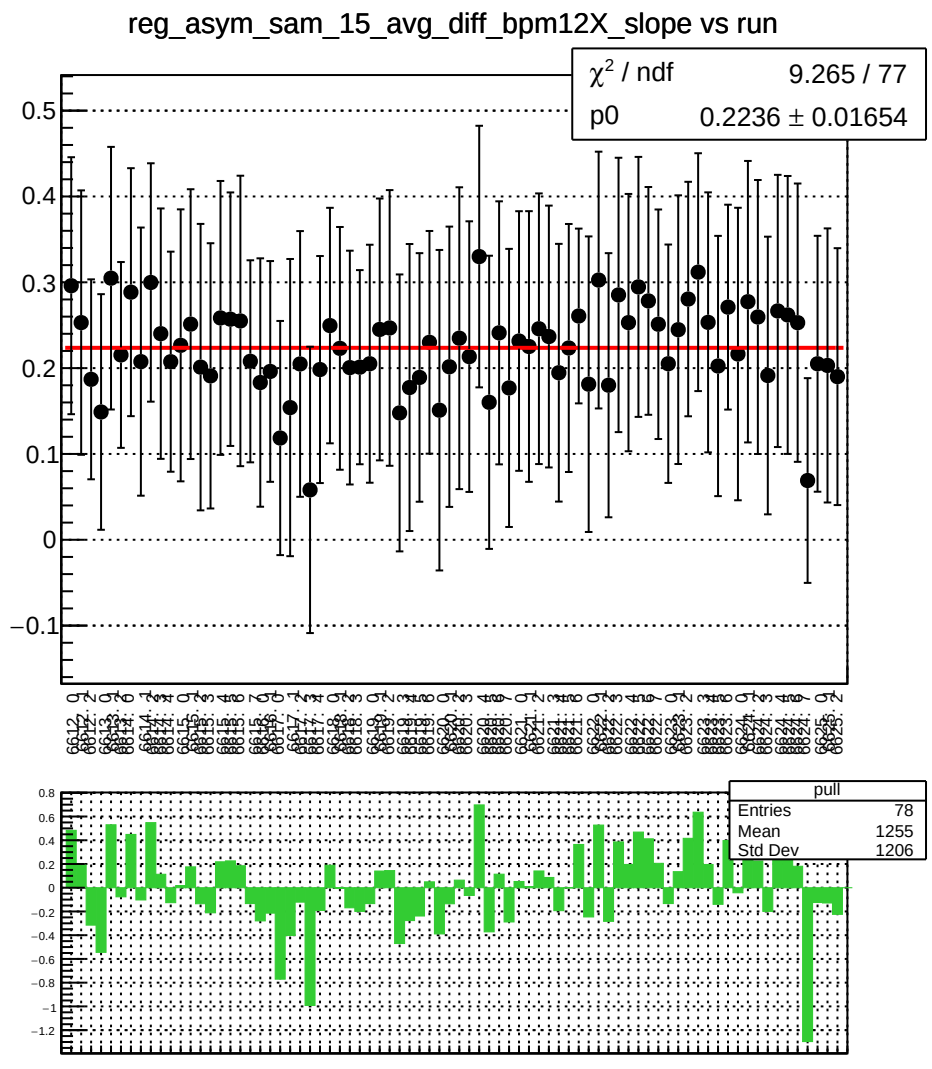

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 36.54 / 77
p0 −1.159 ± 0.2667
pull
Entries 78
Mean −318.5
Std Dev 368.2
pull1D
Entries 78
Mean 0.007376
Std Dev 0.6844

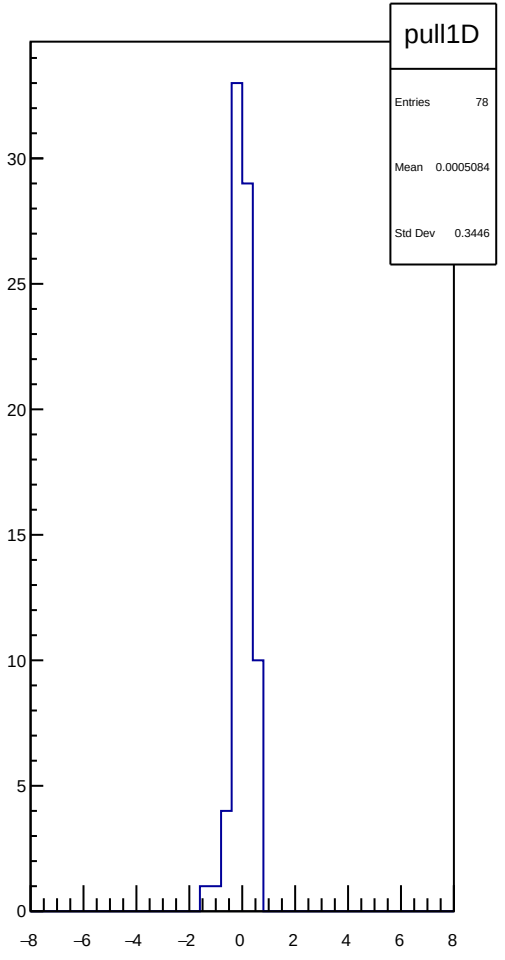

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 33.09 / 77
p0 1.965 ± 0.4119
pull
Entries 78
Mean −85.53
Std Dev 142

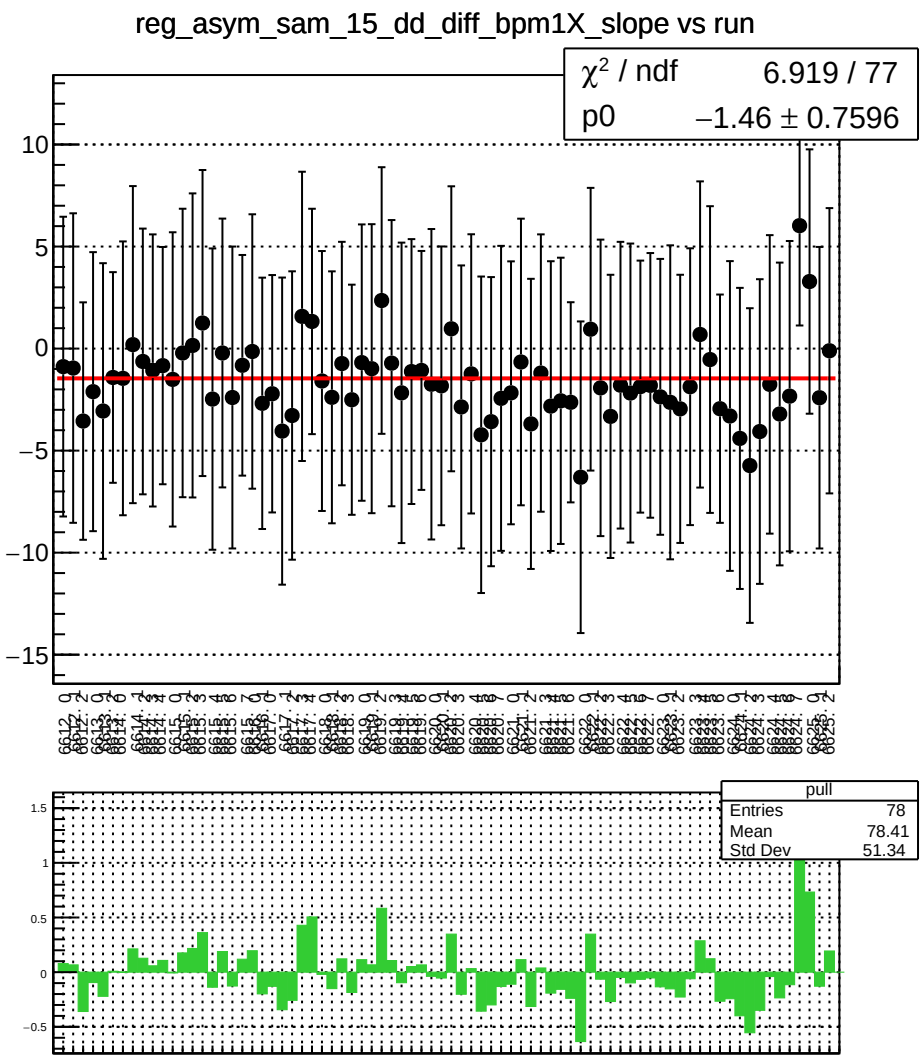

pull1D
Entries 78
Mean 0.01881
Std Dev 0.651

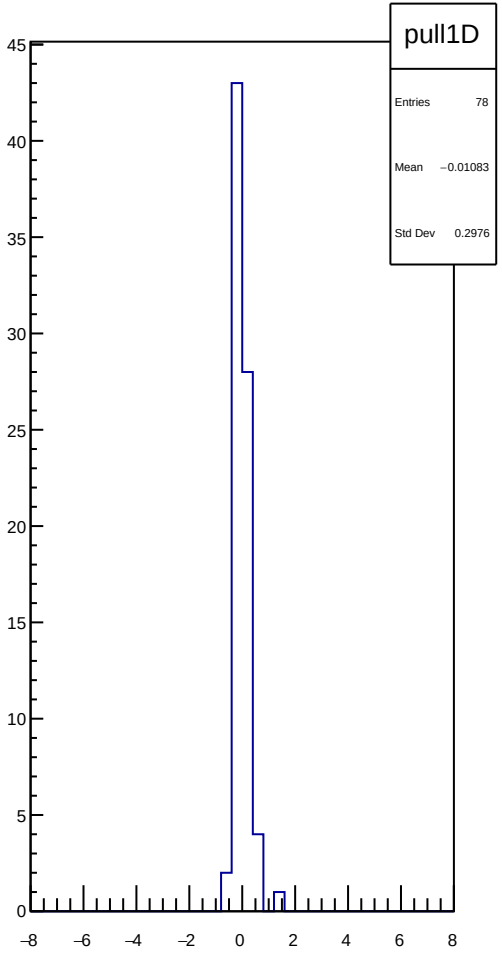

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 60.11 / 77
p0 56.38 ± 0.3195
pull
Entries 78
Mean −1344
Std Dev 1383

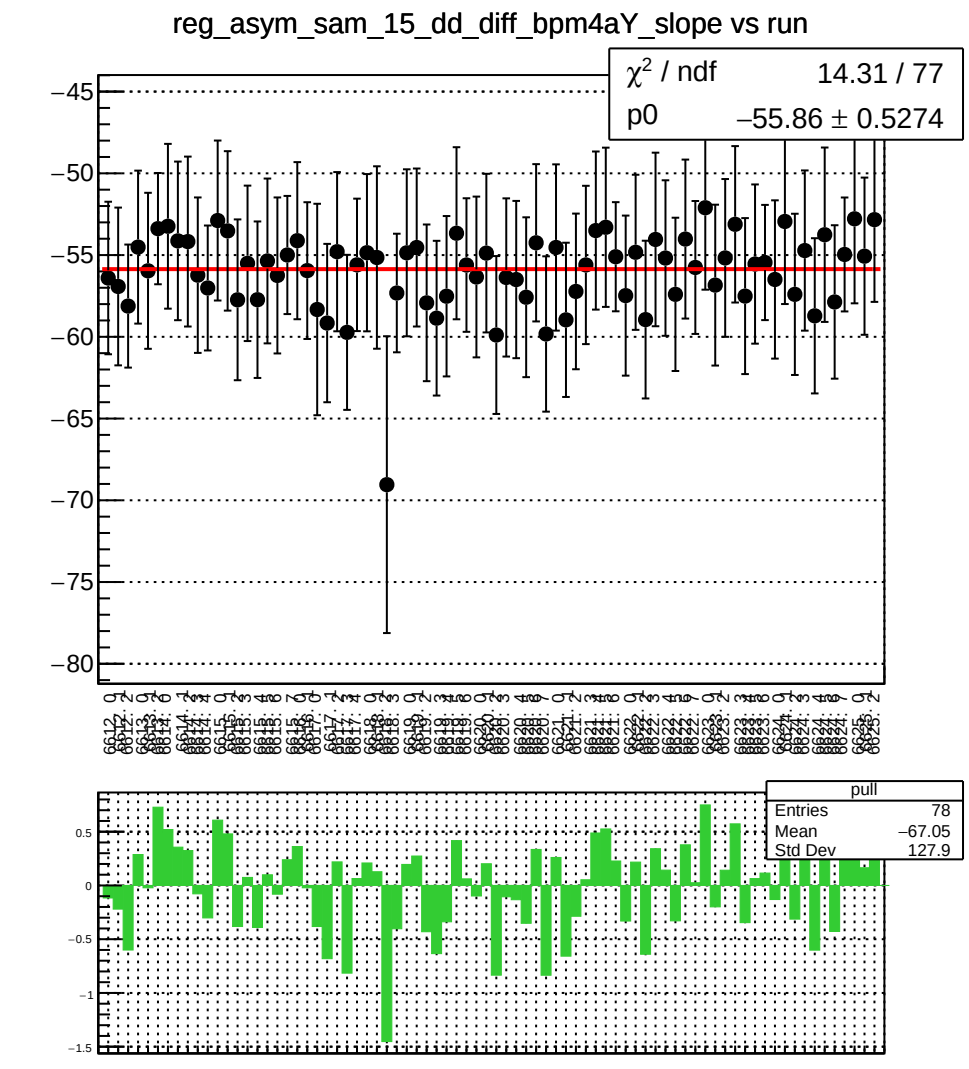

pull1D
Entries 78
Mean −0.003154
Std Dev 0.8779

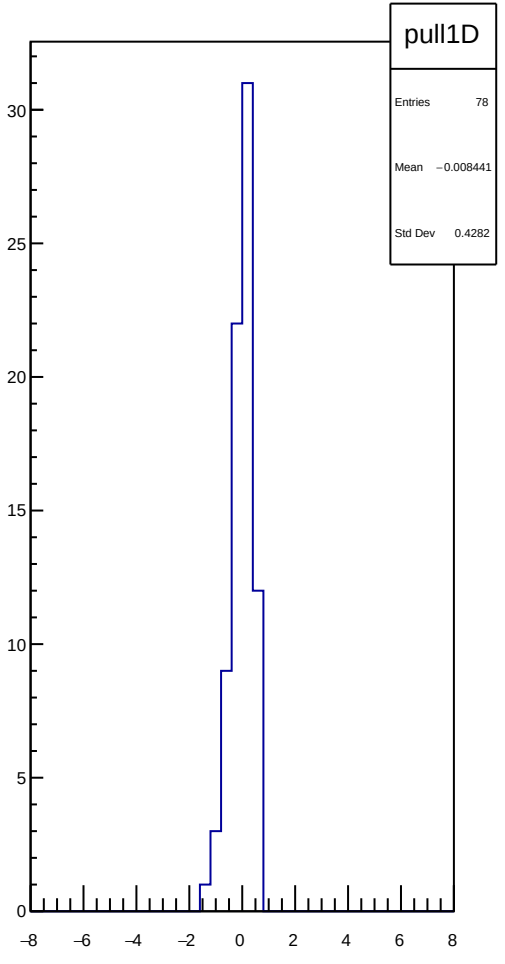

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 9.265 / 77
p0 0.2236 ± 0.01654
pull
Entries 78
Mean 1255
Std Dev 1206

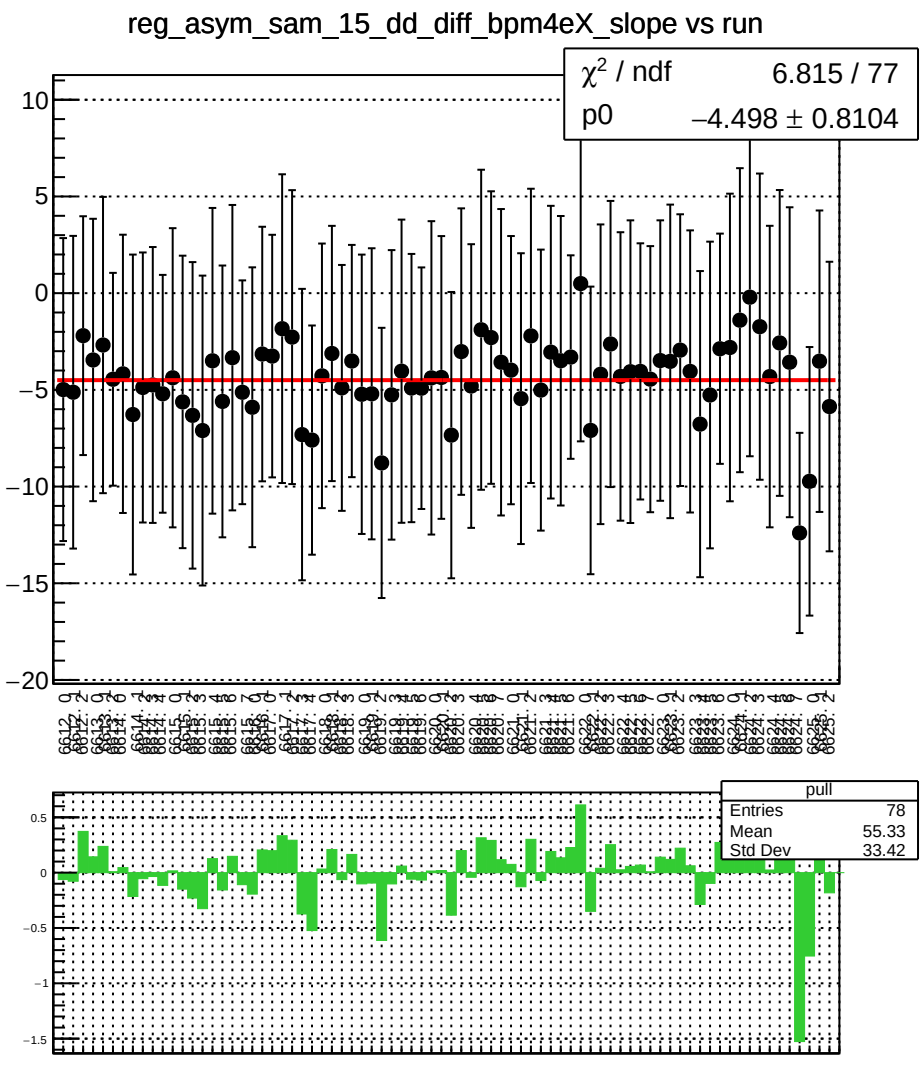

pull1D
Entries 78
Mean 0.0005084
Std Dev 0.3446

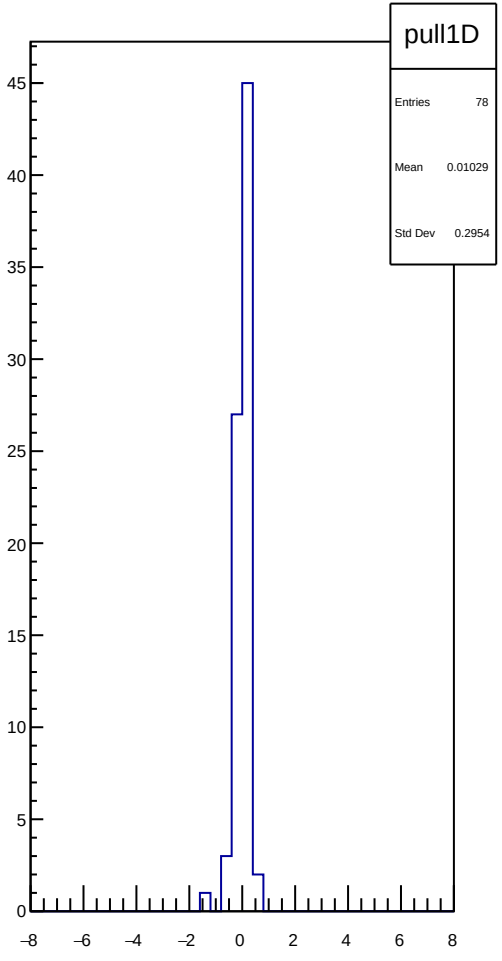

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 6.919 / 77
p0 −1.46 ± 0.7596
pull
Entries 78
Mean 78.41
Std Dev 51.34

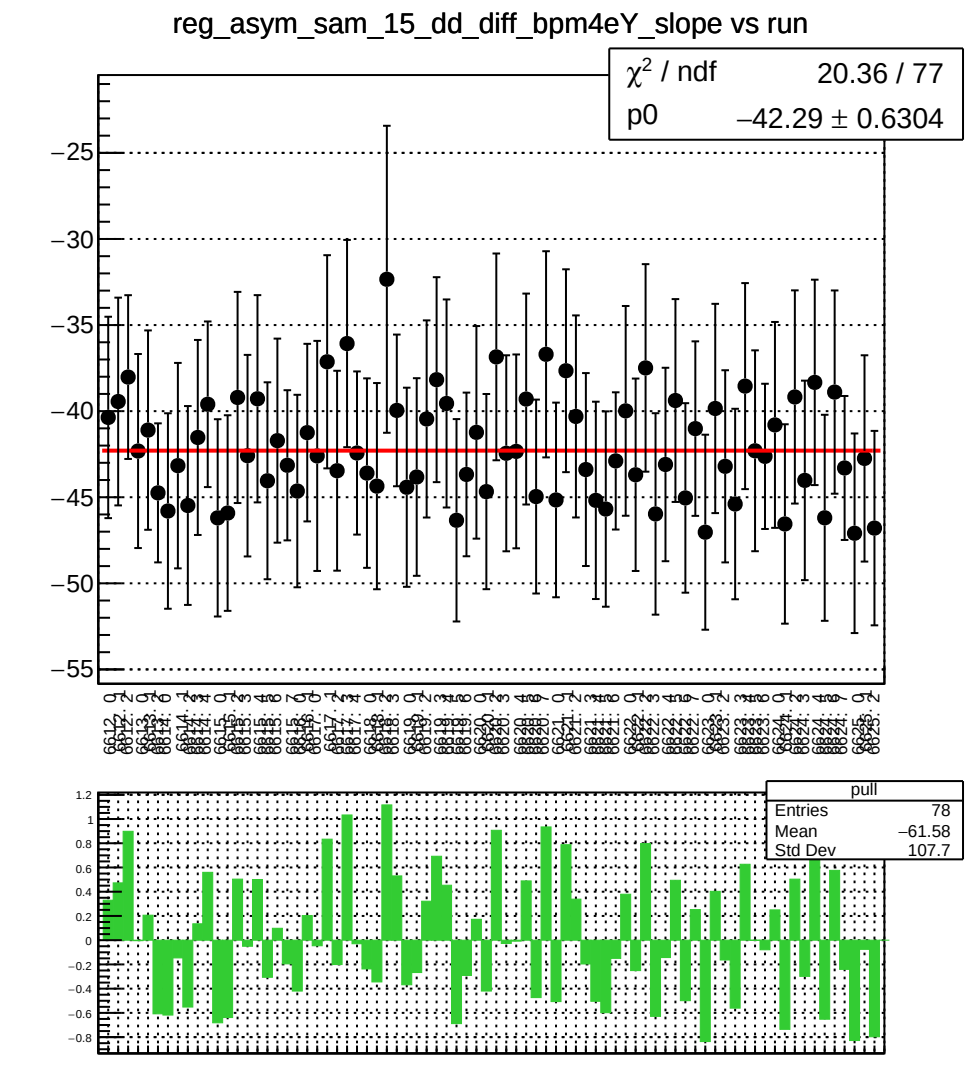

pull1D
Entries 78
Mean −0.01083
Std Dev 0.2976

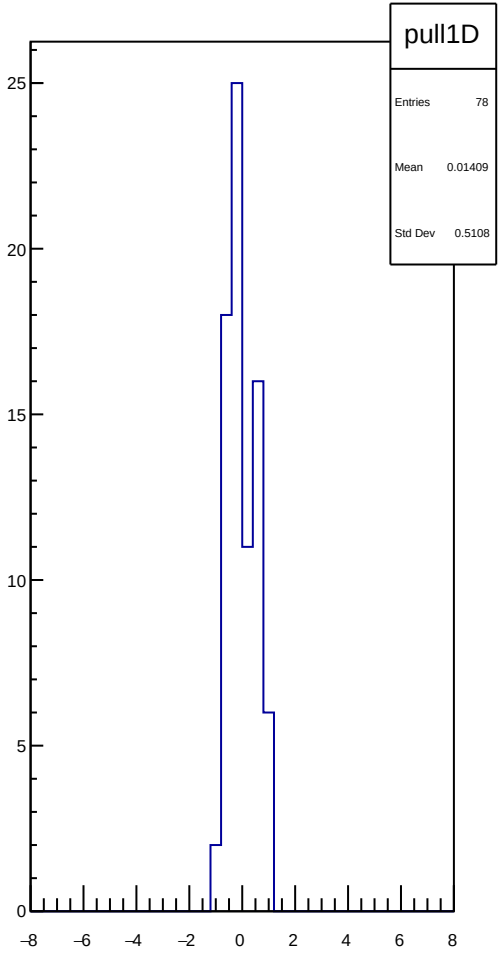

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 14.31 / 77
p0 −55.86 ± 0.5274
pull
Entries 78
Mean −67.05
Std Dev 127.9

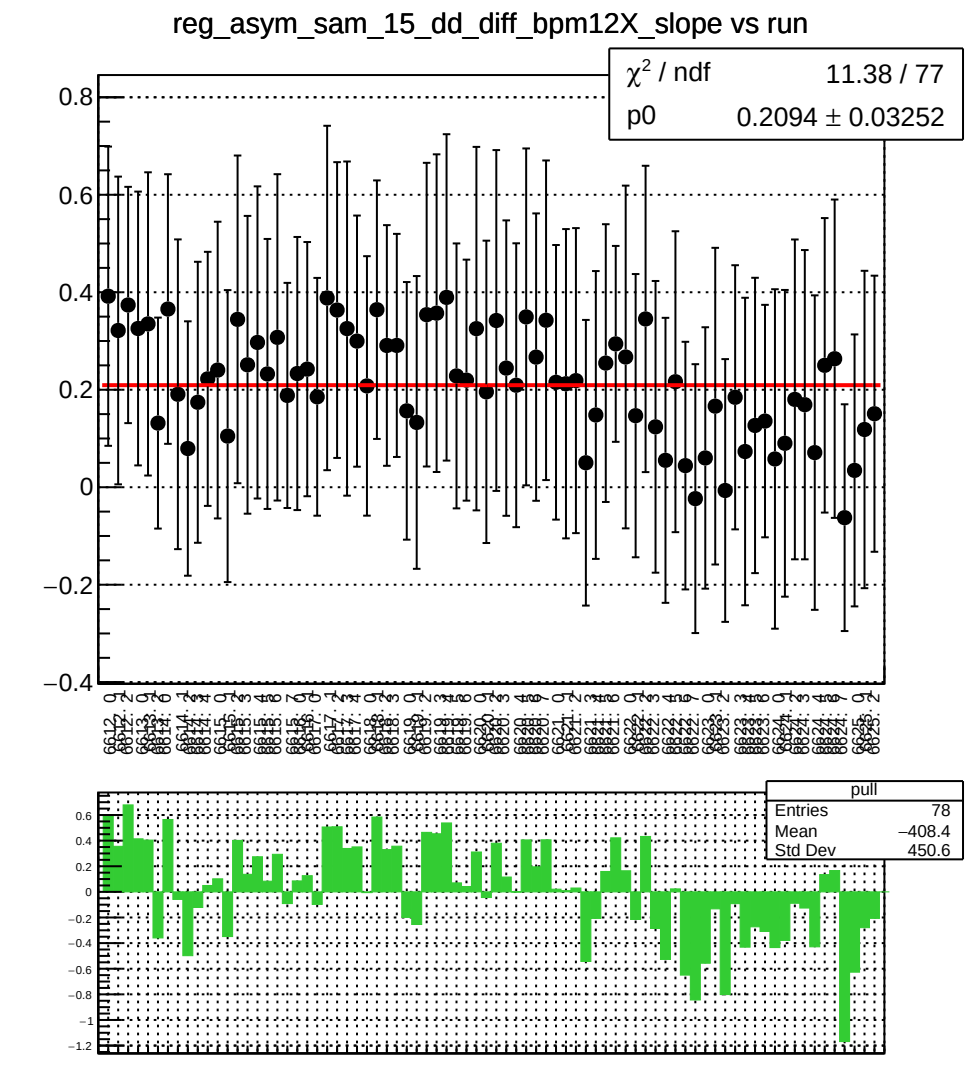

pull1D
Entries 78
Mean −0.008441
Std Dev 0.4282

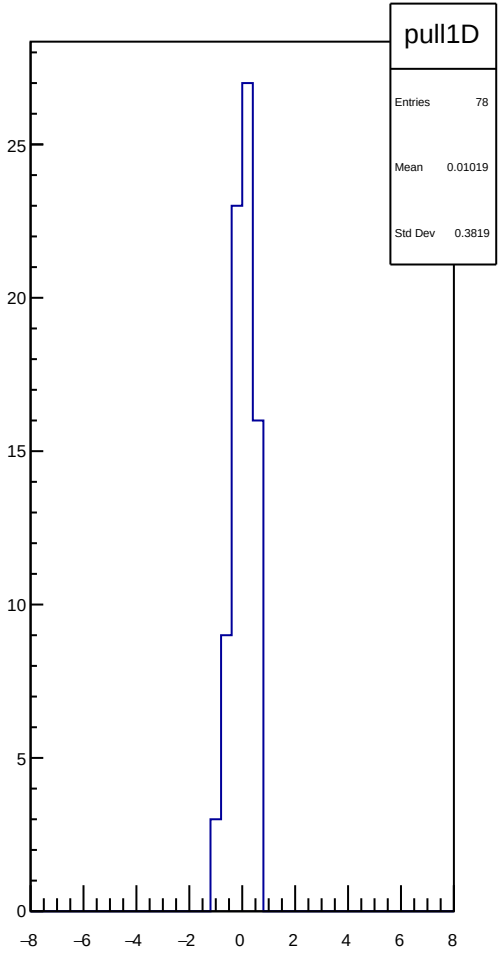

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.815 / 77
p0 −4.498 ± 0.8104
pull
Entries 78
Mean 55.33
Std Dev 33.42

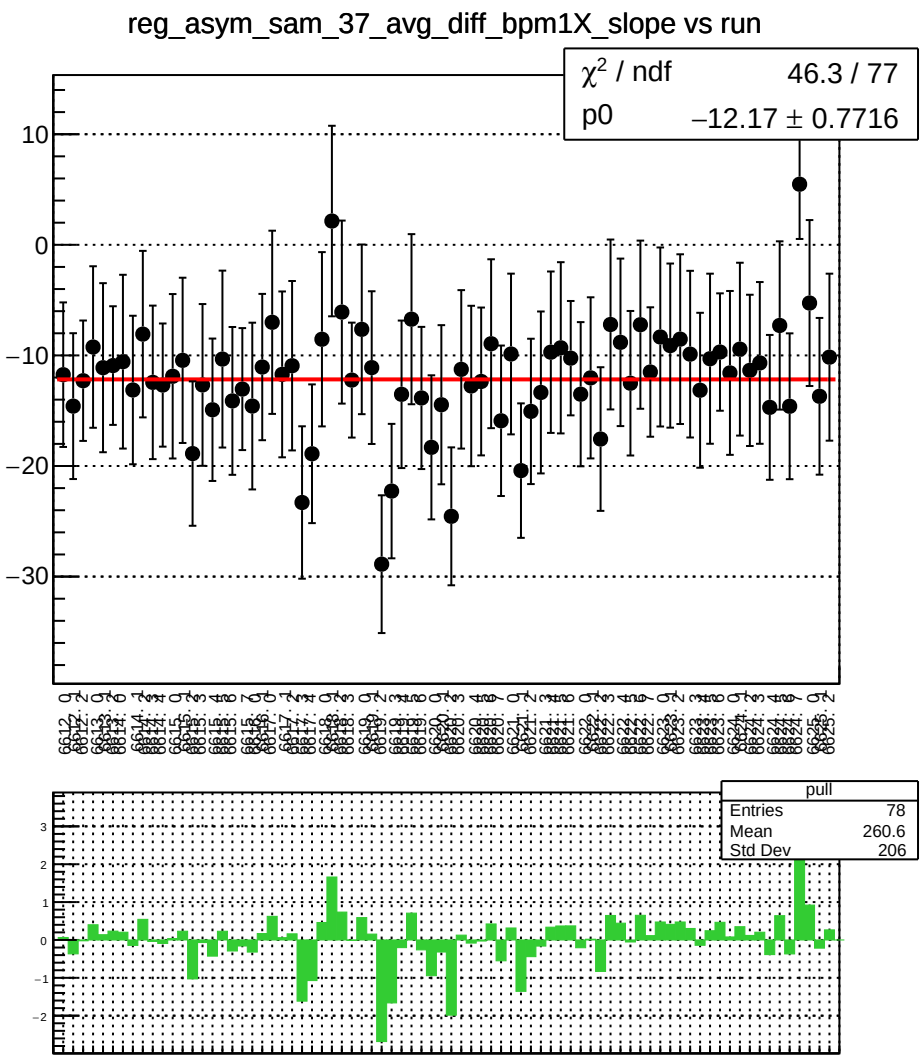

pull1D
Entries 78
Mean 0.01029
Std Dev 0.2954

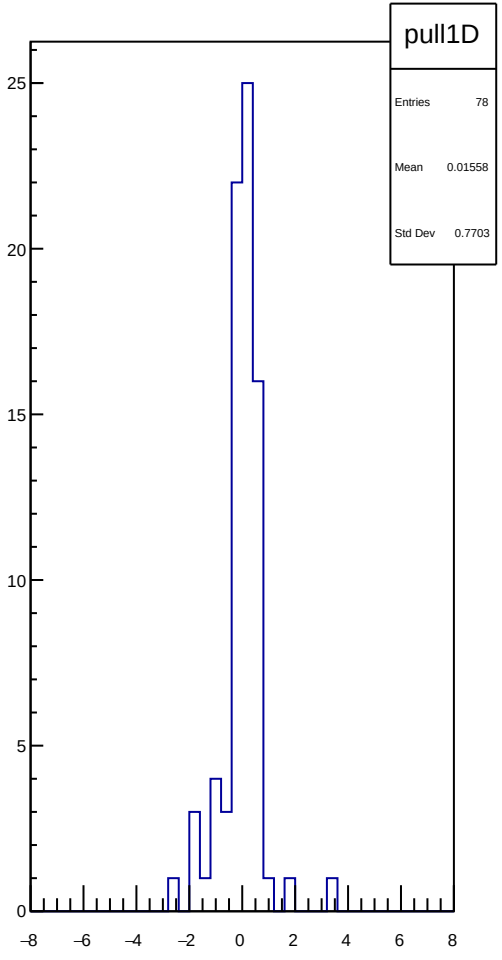

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 20.36 / 77
p0 −42.29 ± 0.6304
pull
Entries 78
Mean −61.58
Std Dev 107.7

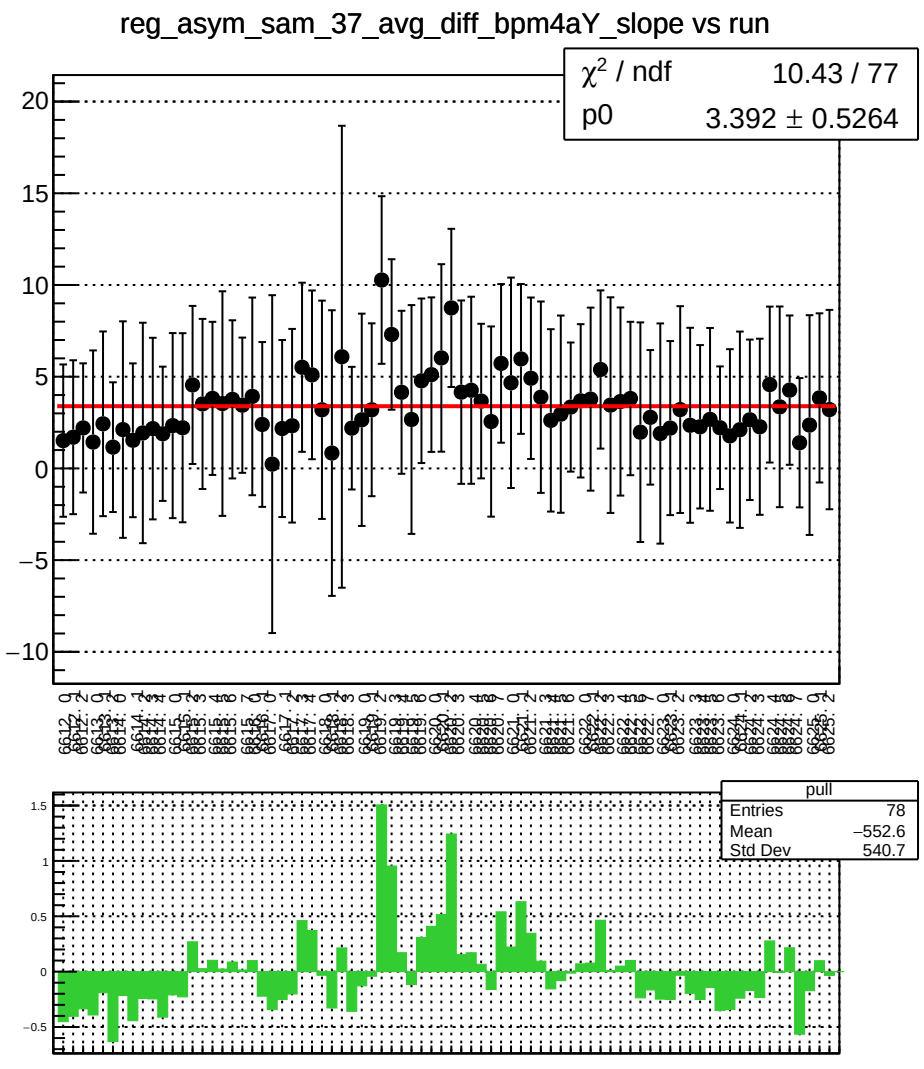

pull1D
Entries 78
Mean 0.01409
Std Dev 0.5108

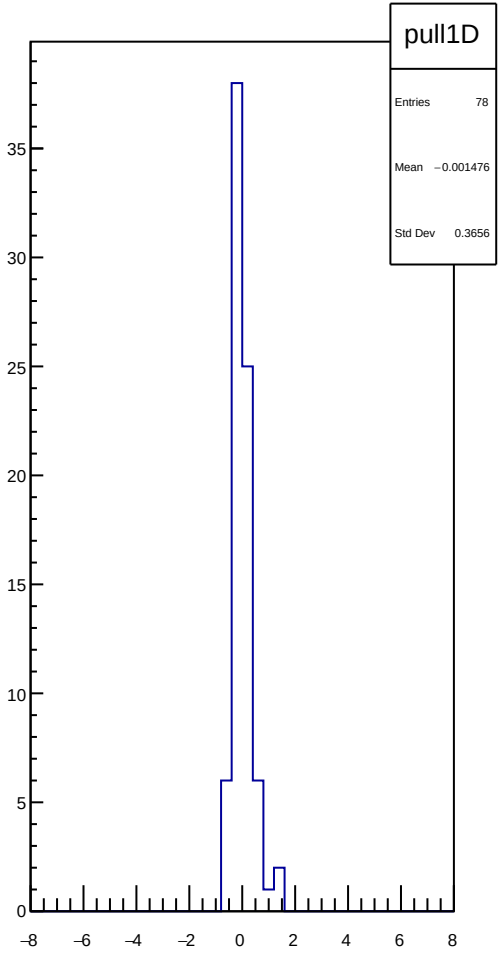

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 11.38 / 77
p0 0.2094 ± 0.03252
pull
Entries 78
Mean −408.4
Std Dev 450.6

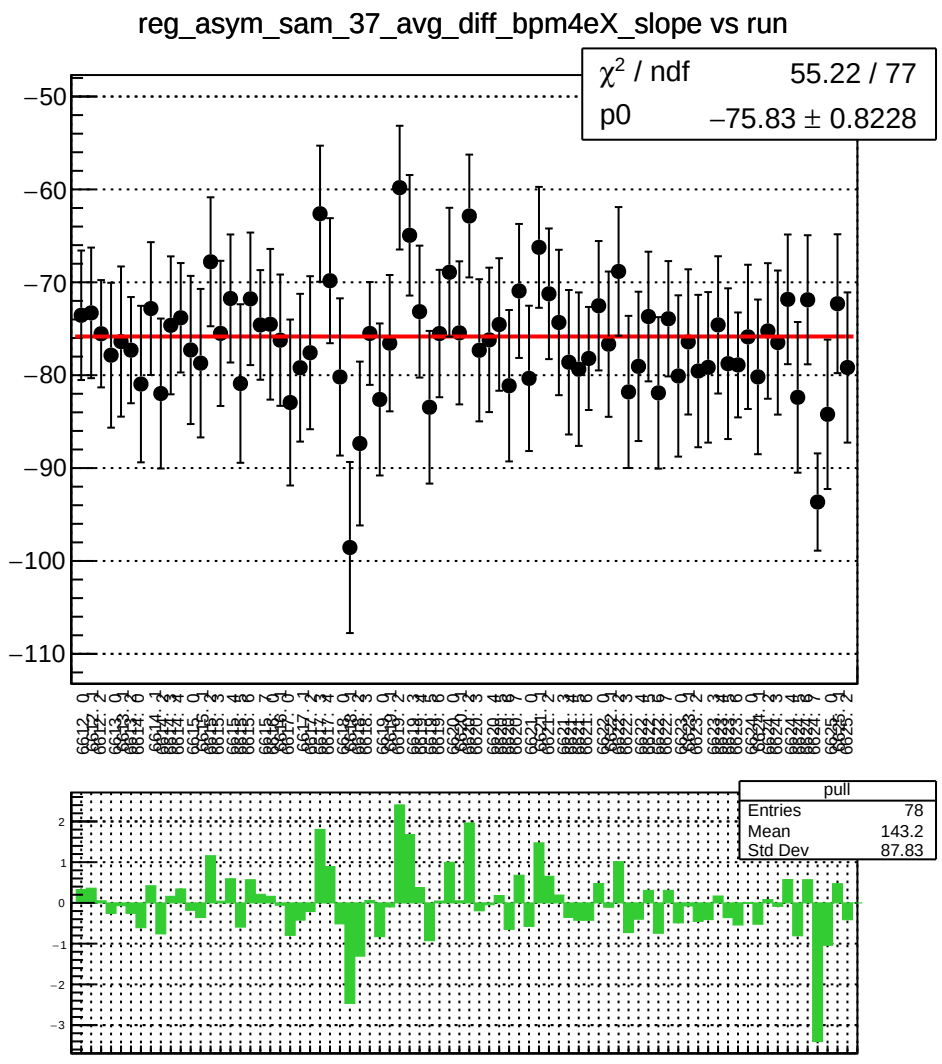

pull1D
Entries 78
Mean 0.01019
Std Dev 0.3819

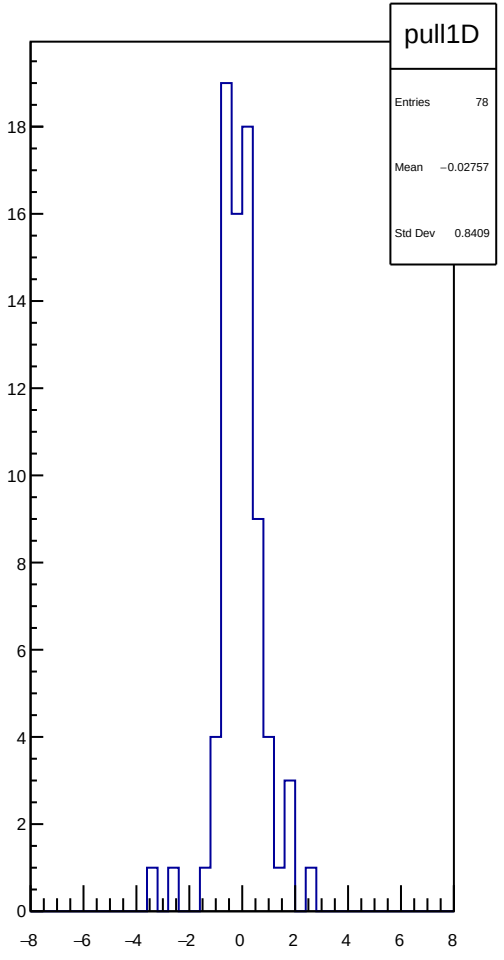

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 46.3 / 77
p0 −12.17 ± 0.7716
pull
Entries 78
Mean 260.6
Std Dev 206

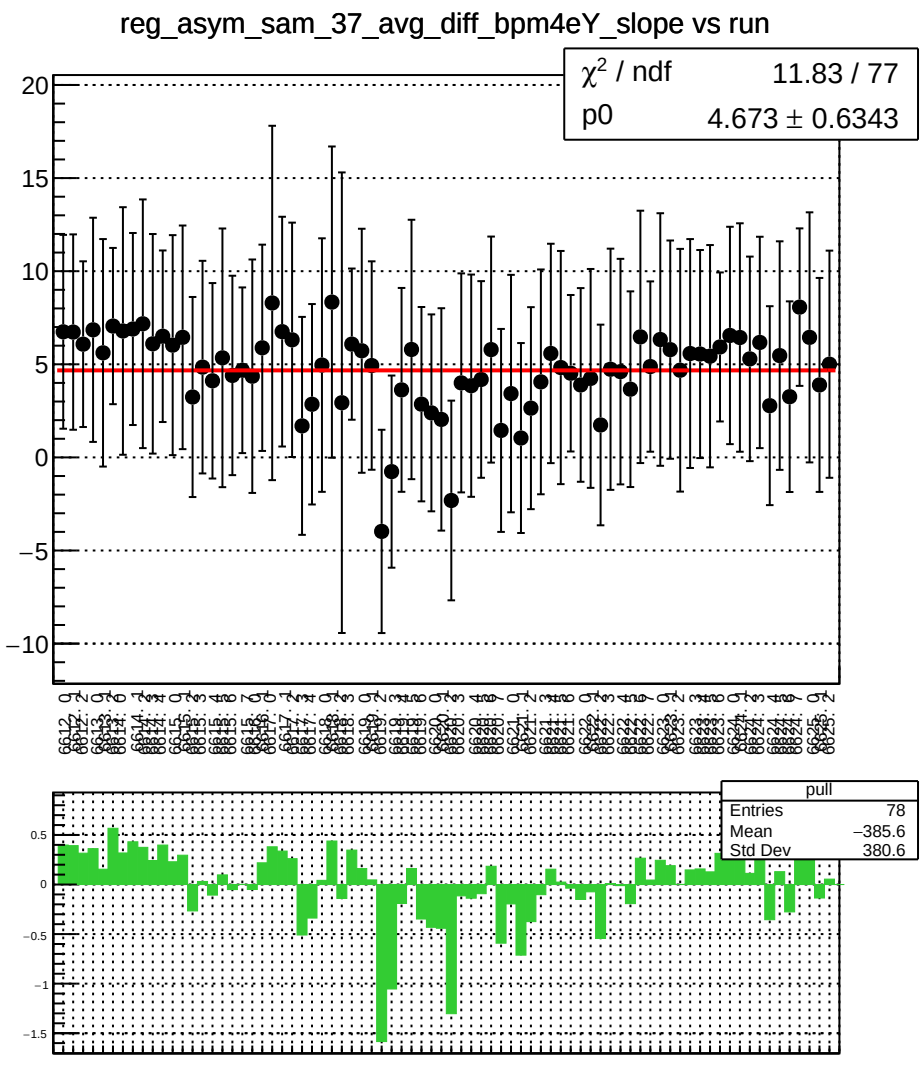

pull1D
Entries 78
Mean 0.01558
Std Dev 0.7703

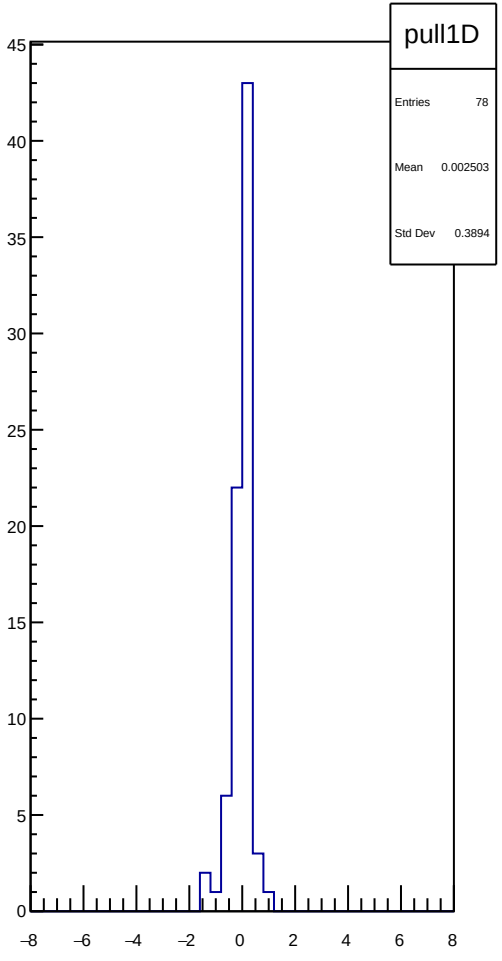

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.43 / 77
p0 3.392 ± 0.5264
pull
Entries 78
Mean −552.6
Std Dev 540.7

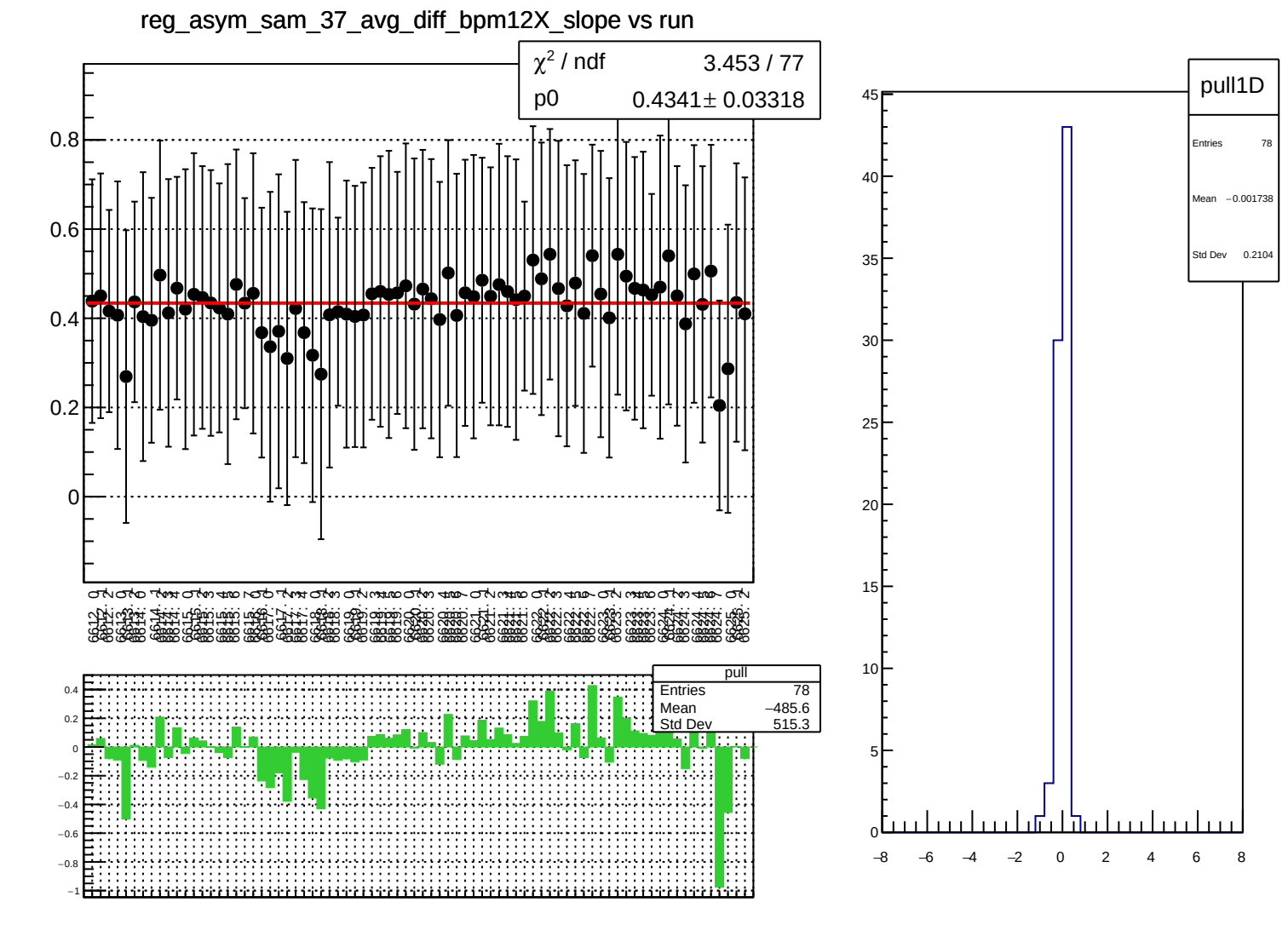

pull1D
Entries 78
Mean −0.001476
Std Dev 0.3656

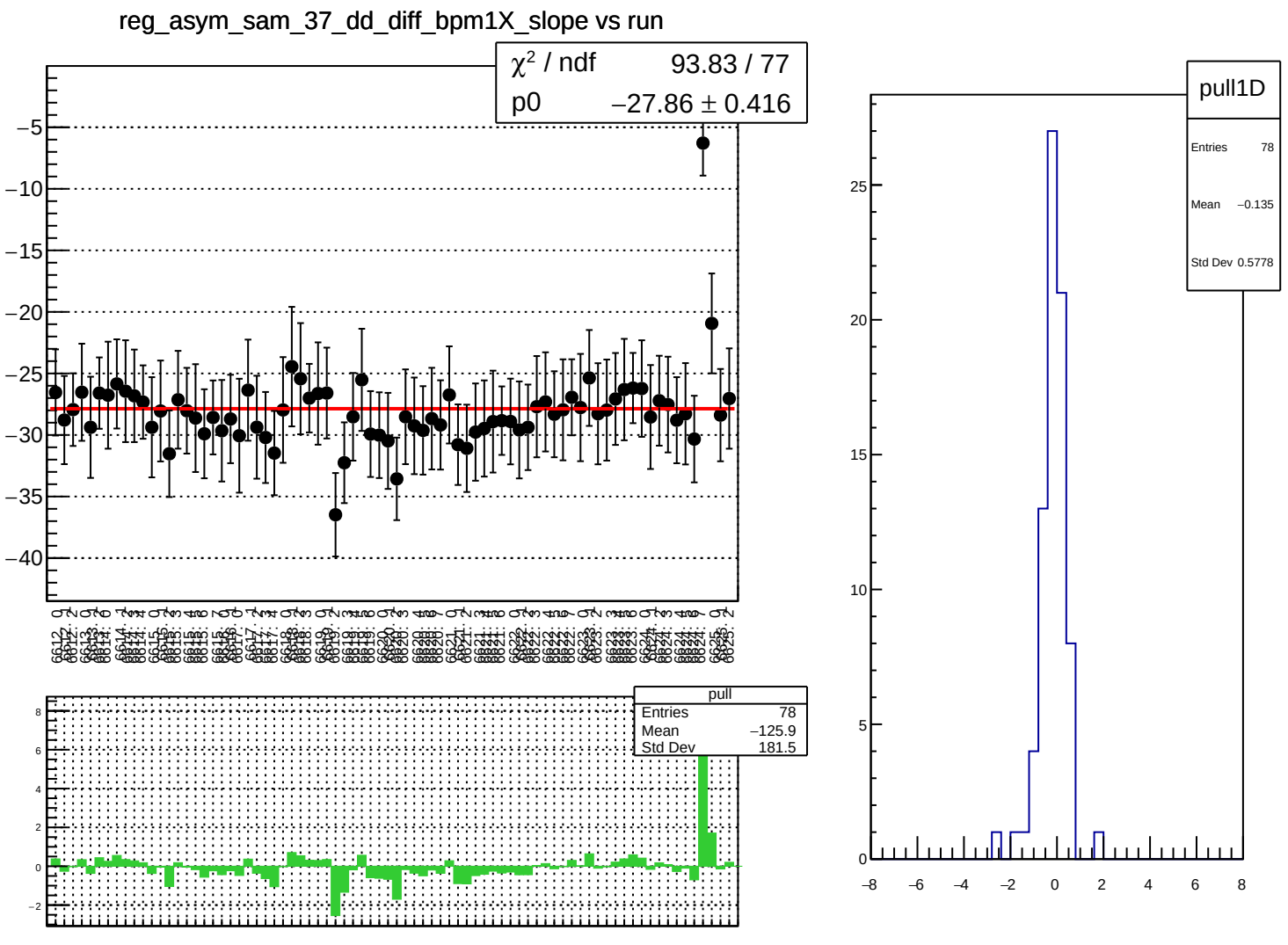

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 55.22 / 77
p0 −75.83 ± 0.8228
pull
Entries 78
Mean 143.2
Std Dev 87.83

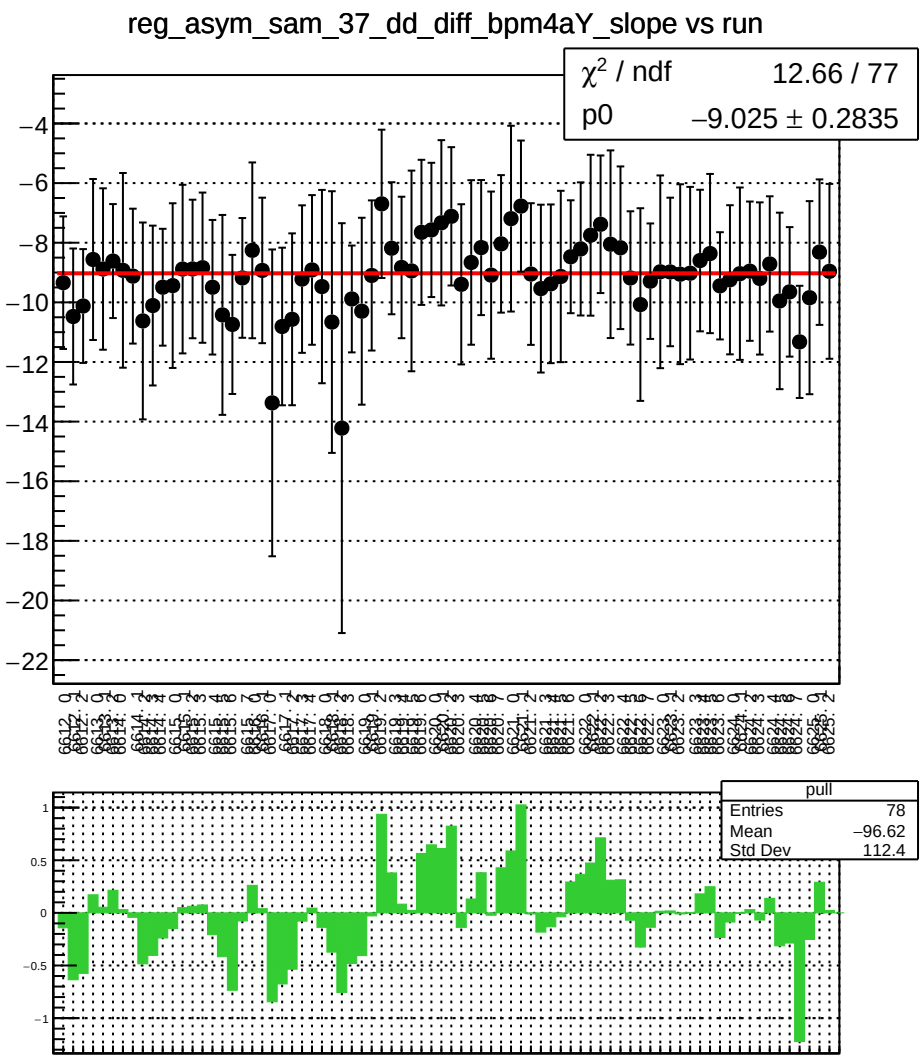

pull1D
Entries 78
Mean −0.02757
Std Dev 0.8409

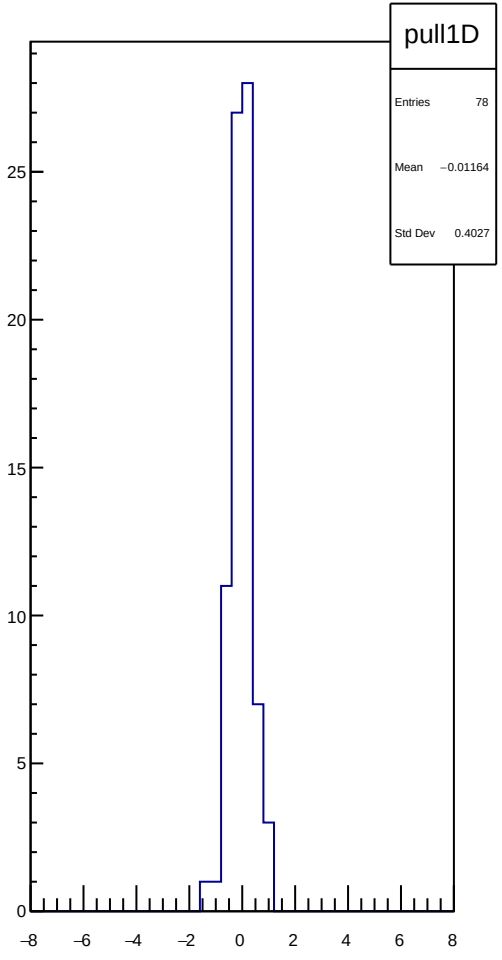

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.83 / 77
p0 4.673 ± 0.6343
pull
Entries 78
Mean −385.6
Std Dev 380.6

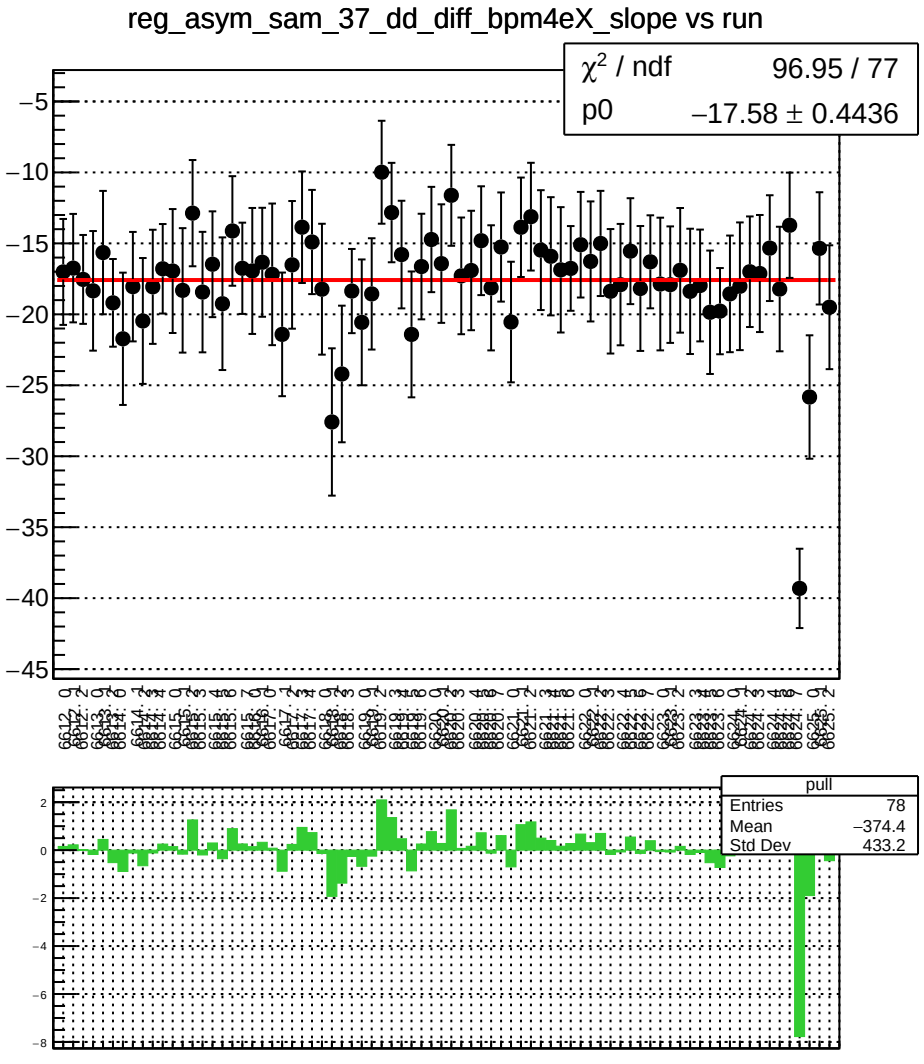

pull1D
Entries 78
Mean 0.002503
Std Dev 0.3894

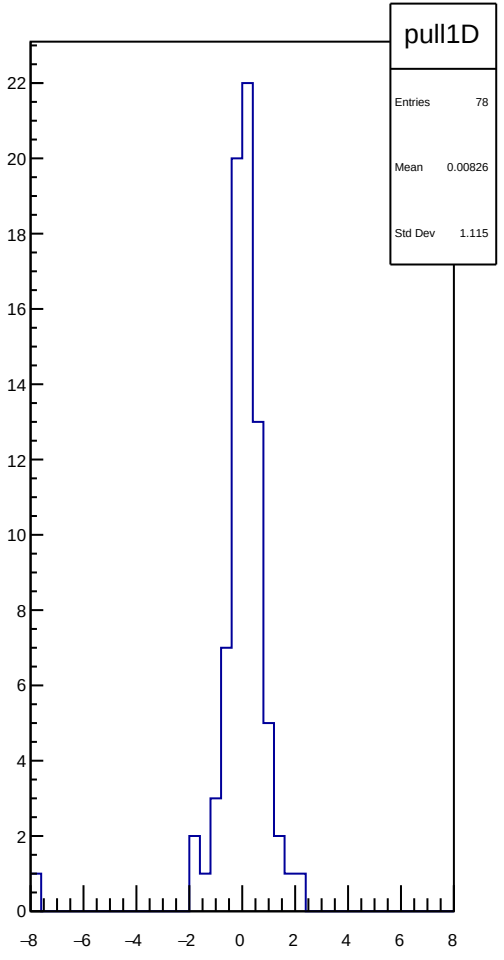

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 3.453 / 77
p0 0.4341± 0.03318
pull
Entries 78
Mean −485.6
Std Dev 515.3
pull1D
Entries 78
Mean −0.001738
Std Dev 0.2104

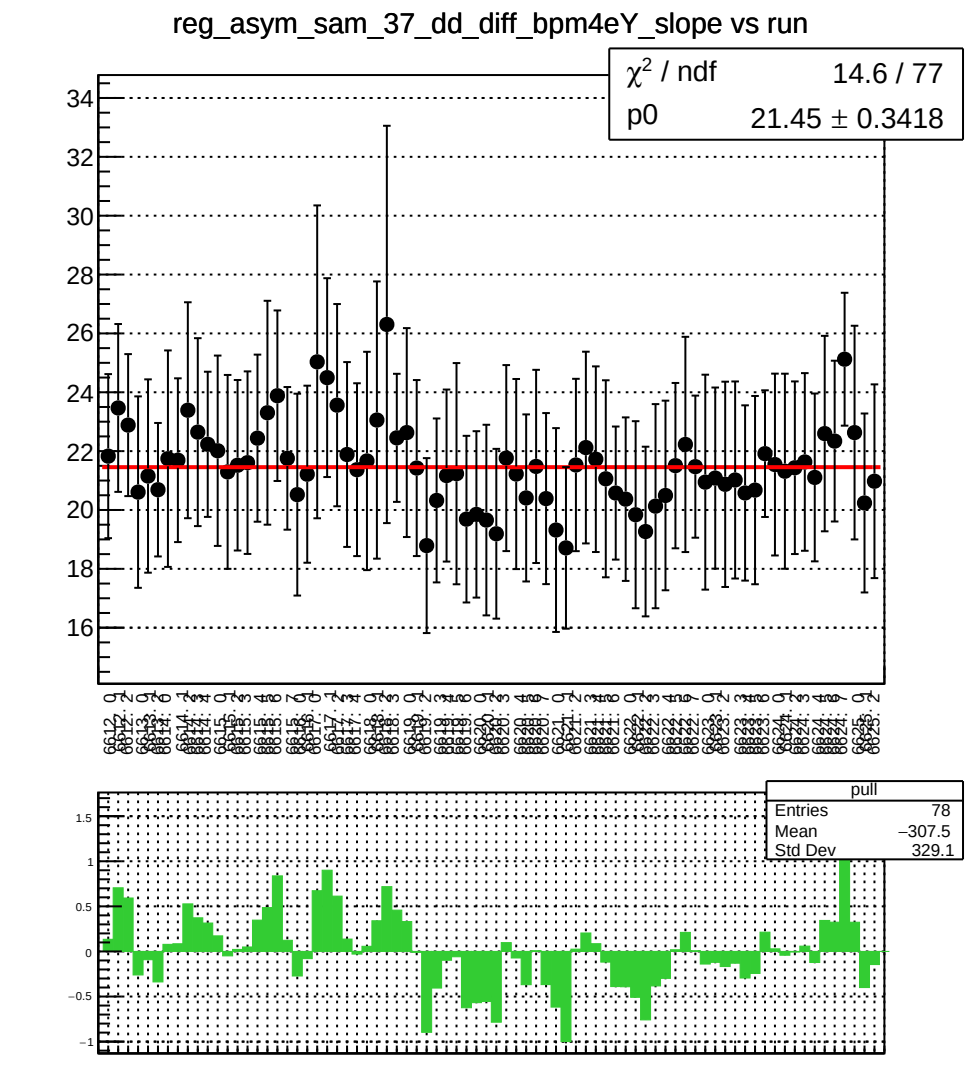

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 93.83 / 77
p0 −27.86 ± 0.416
pull
Entries 78
Mean −125.9
Std Dev 181.5
pull1D
Entries 78
Mean −0.135
Std Dev 0.5778

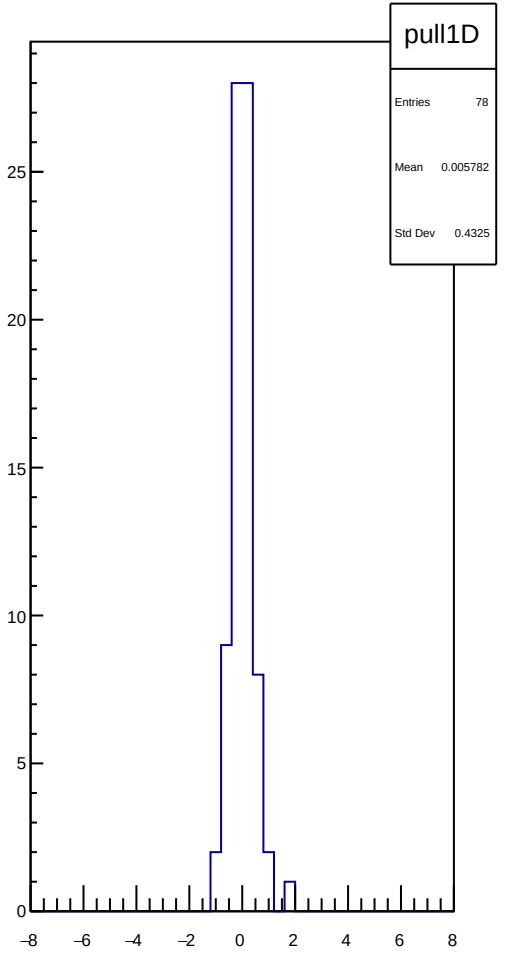

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.66 / 77
p0 −9.025 ± 0.2835
pull
Entries 78
Mean −96.62
Std Dev 112.4

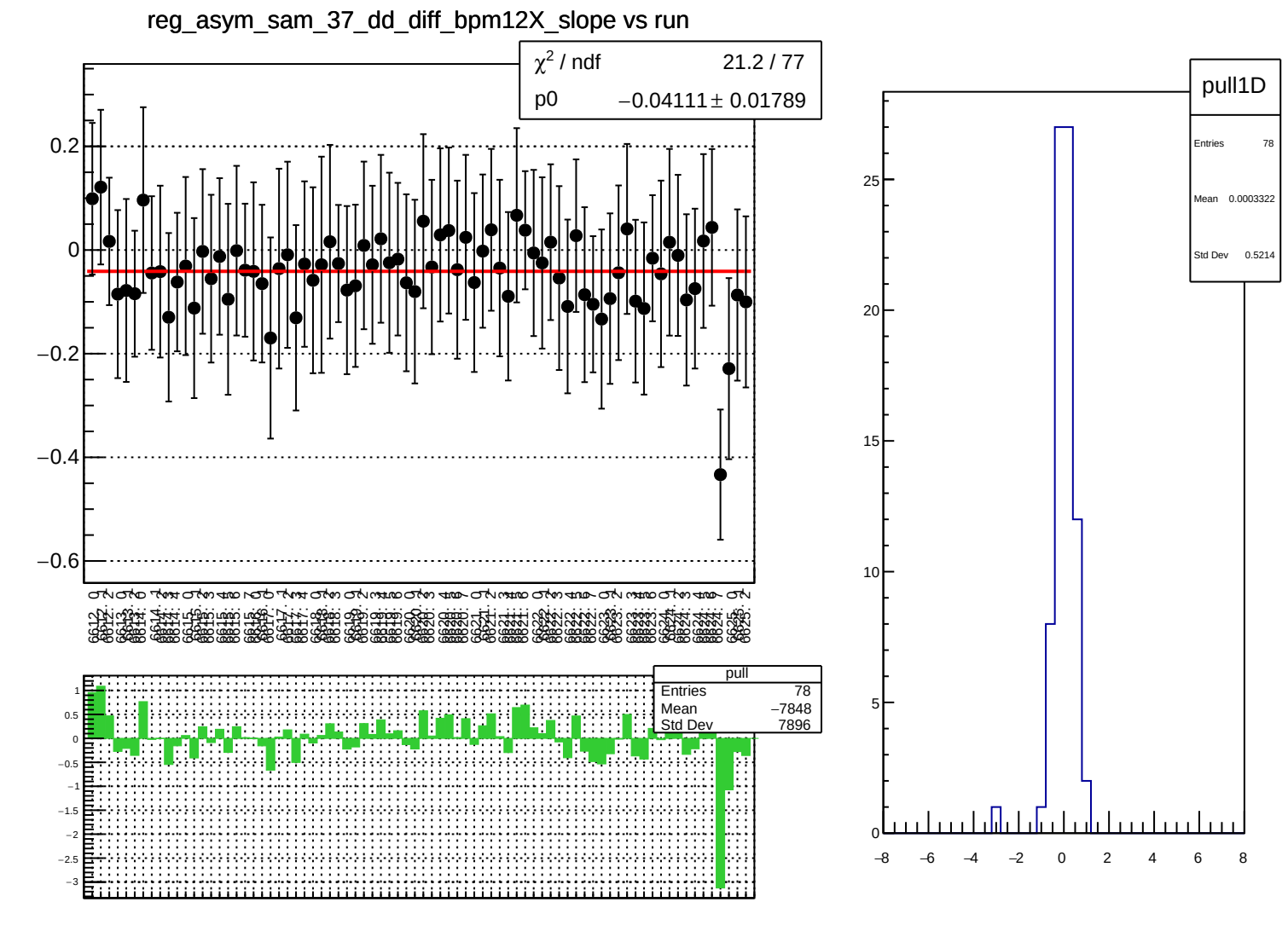

pull1D
Entries 78
Mean −0.01164
Std Dev 0.4027

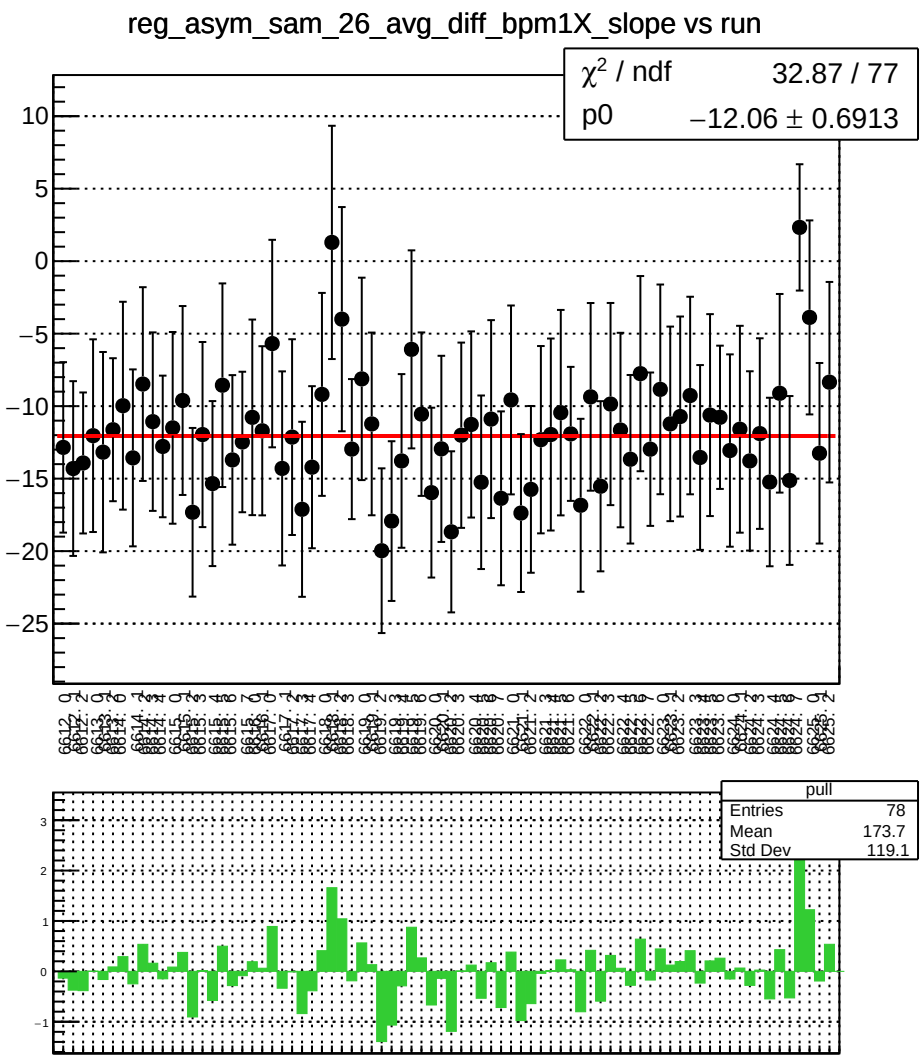

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 96.95 / 77
p0 −17.58 ± 0.4436
pull
Entries 78
Mean −374.4
Std Dev 433.2

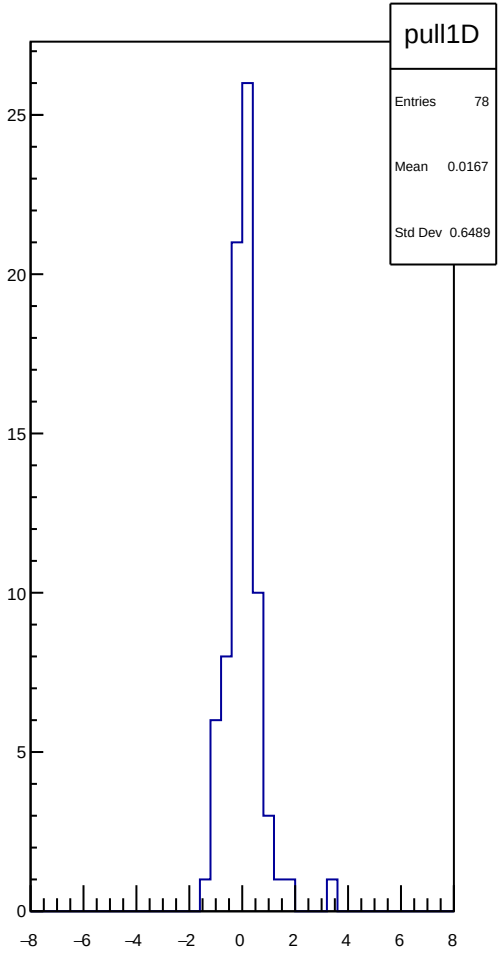

pull1D
Entries 78
Mean 0.00826
Std Dev 1.115

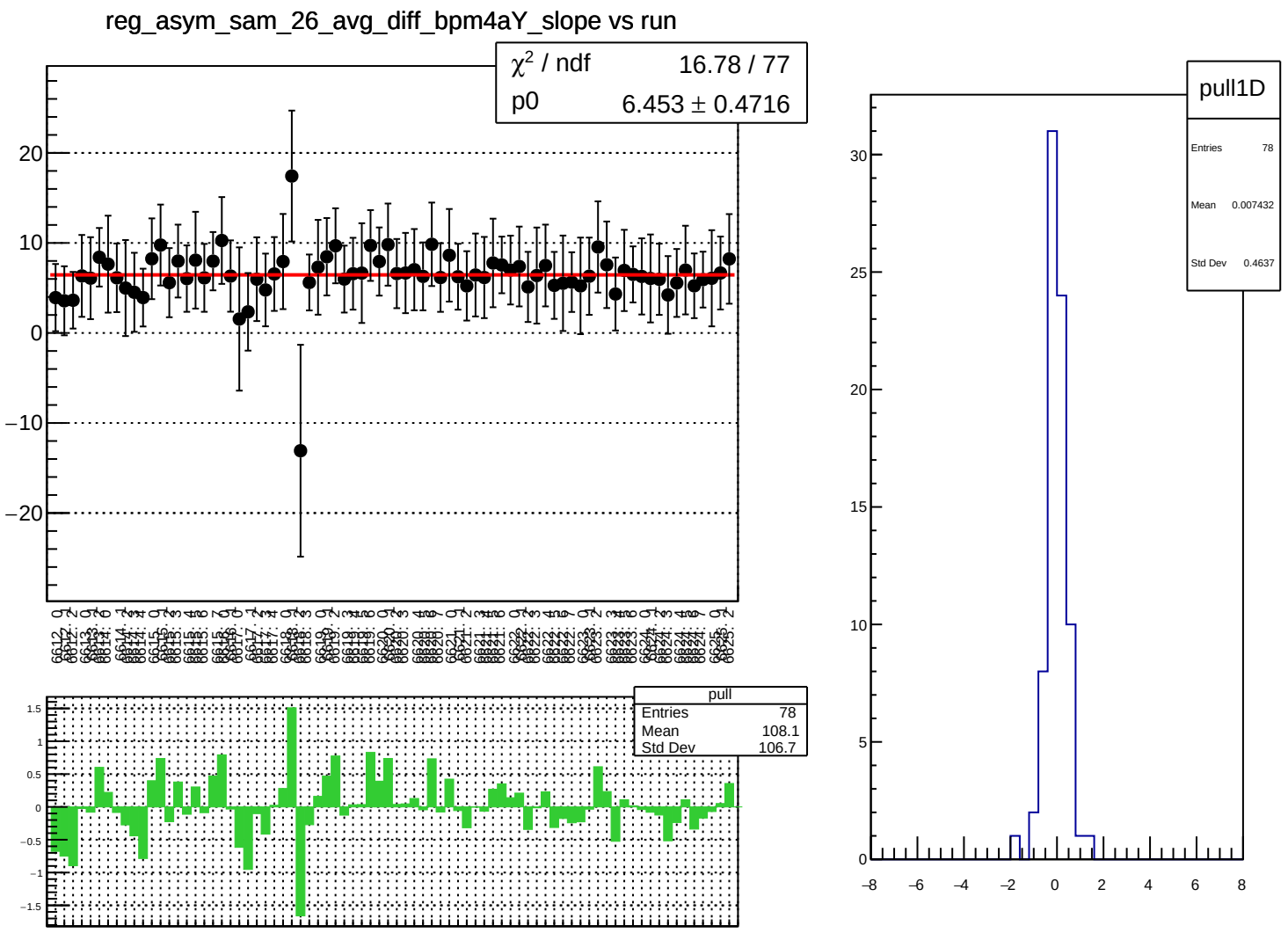

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.6 / 77
p0 21.45 ± 0.3418
pull
Entries 78
Mean −307.5
Std Dev 329.1

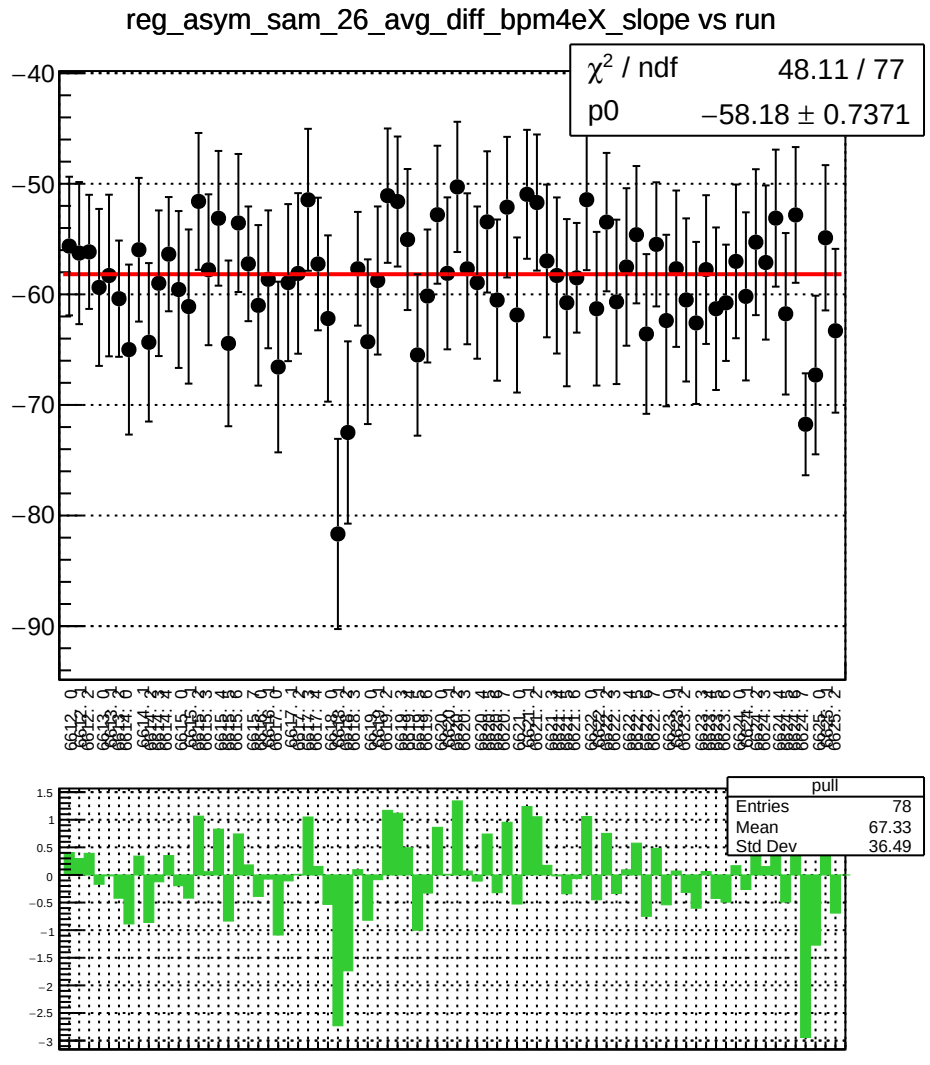

pull1D
Entries 78
Mean 0.005782
Std Dev 0.4325

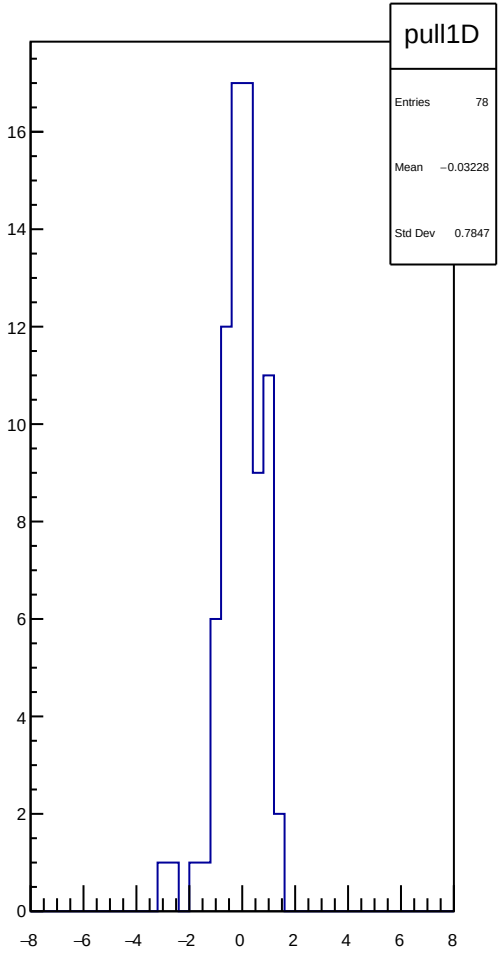

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 21.2 / 77
p0 −0.04111 ± 0.01789
0.2
0
−0.2
−0.4
−0.6
pull
Entries 78
Mean −7848
Std Dev 7896
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
pull1D
Entries 78
Mean 0.0003322
Std Dev 0.5214
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

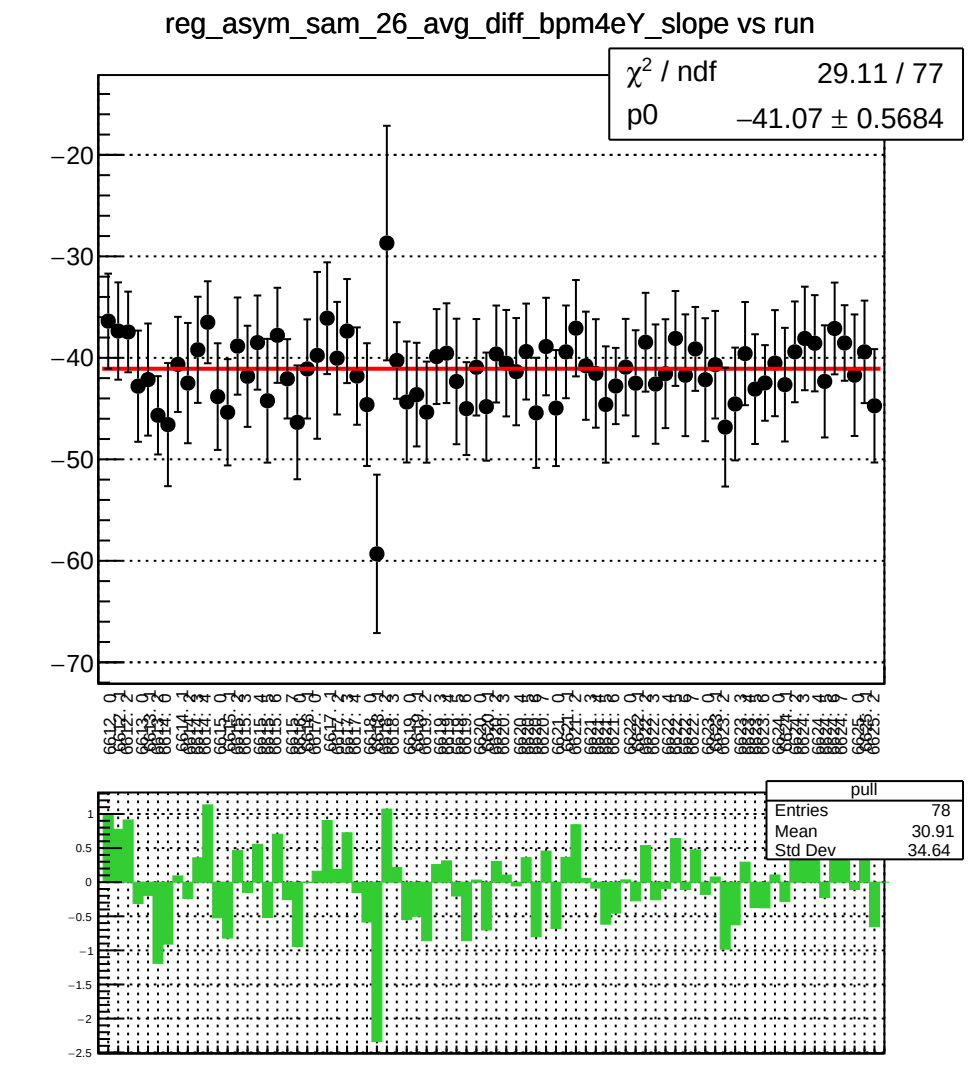

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 32.87 / 77
p0 −12.06 ± 0.6913
pull
Entries 78
Mean 173.7
Std Dev 119.1

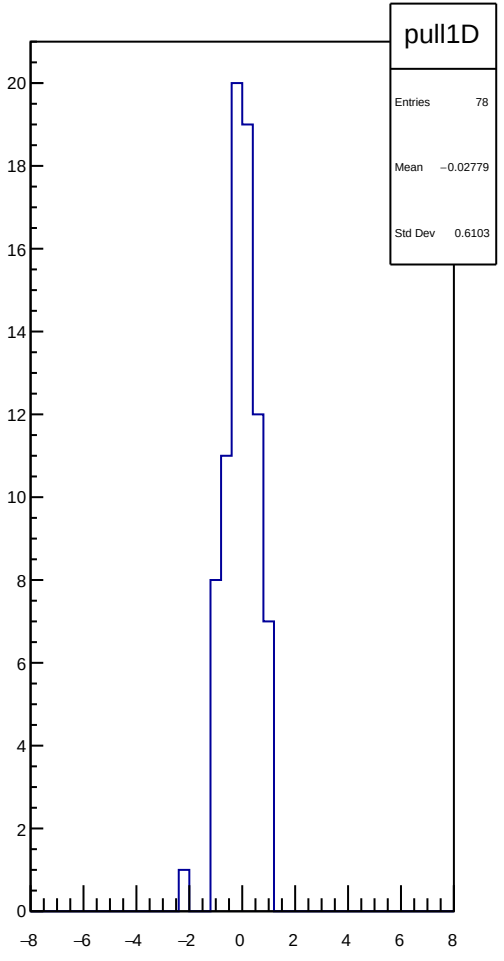

pull1D
Entries 78
Mean 0.0167
Std Dev 0.6489

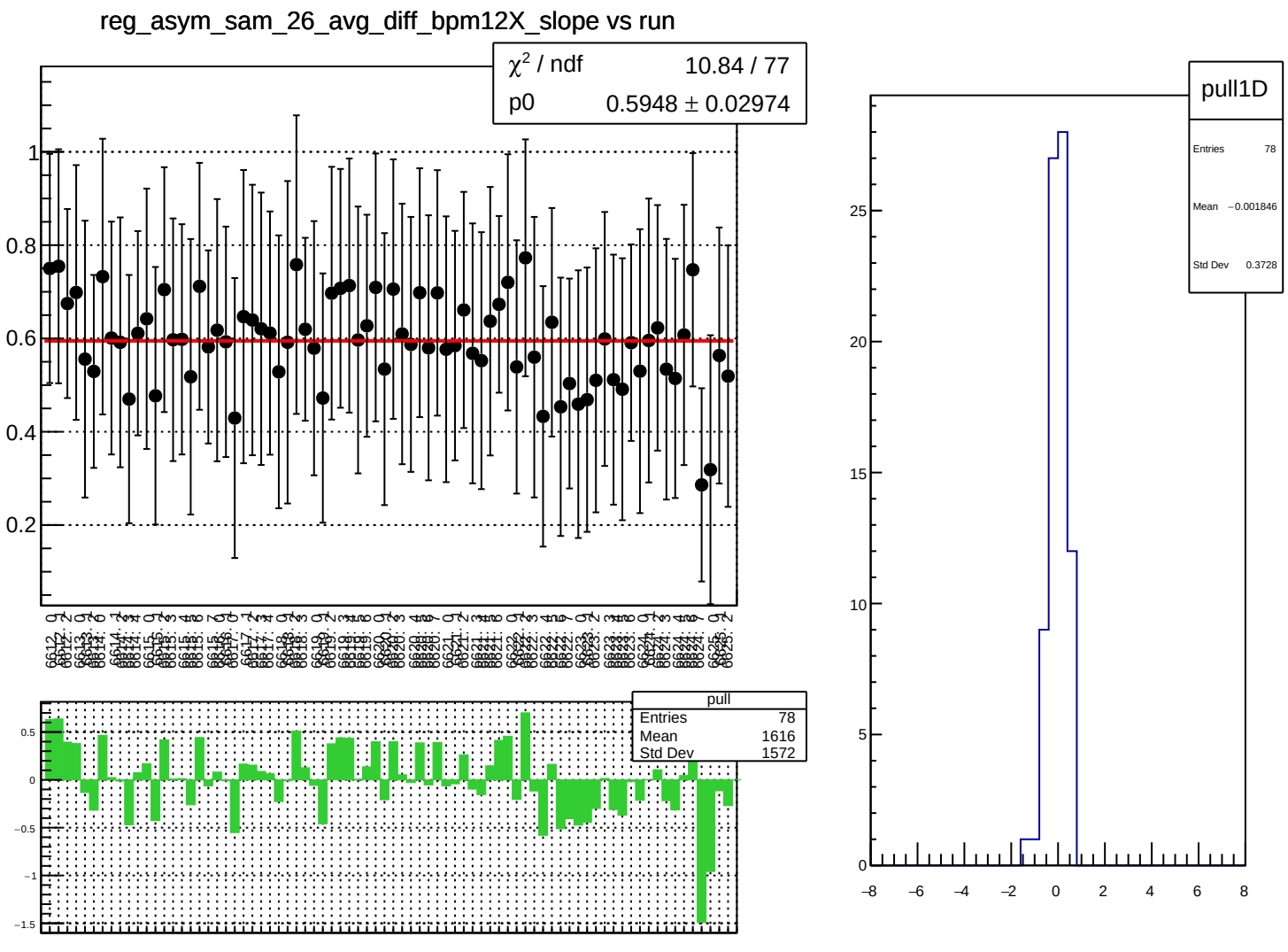

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 16.78 / 77
p0 6.453 ± 0.4716
pull
Entries 78
Mean 108.1
Std Dev 106.7
pull1D
Entries 78
Mean 0.007432
Std Dev 0.4637

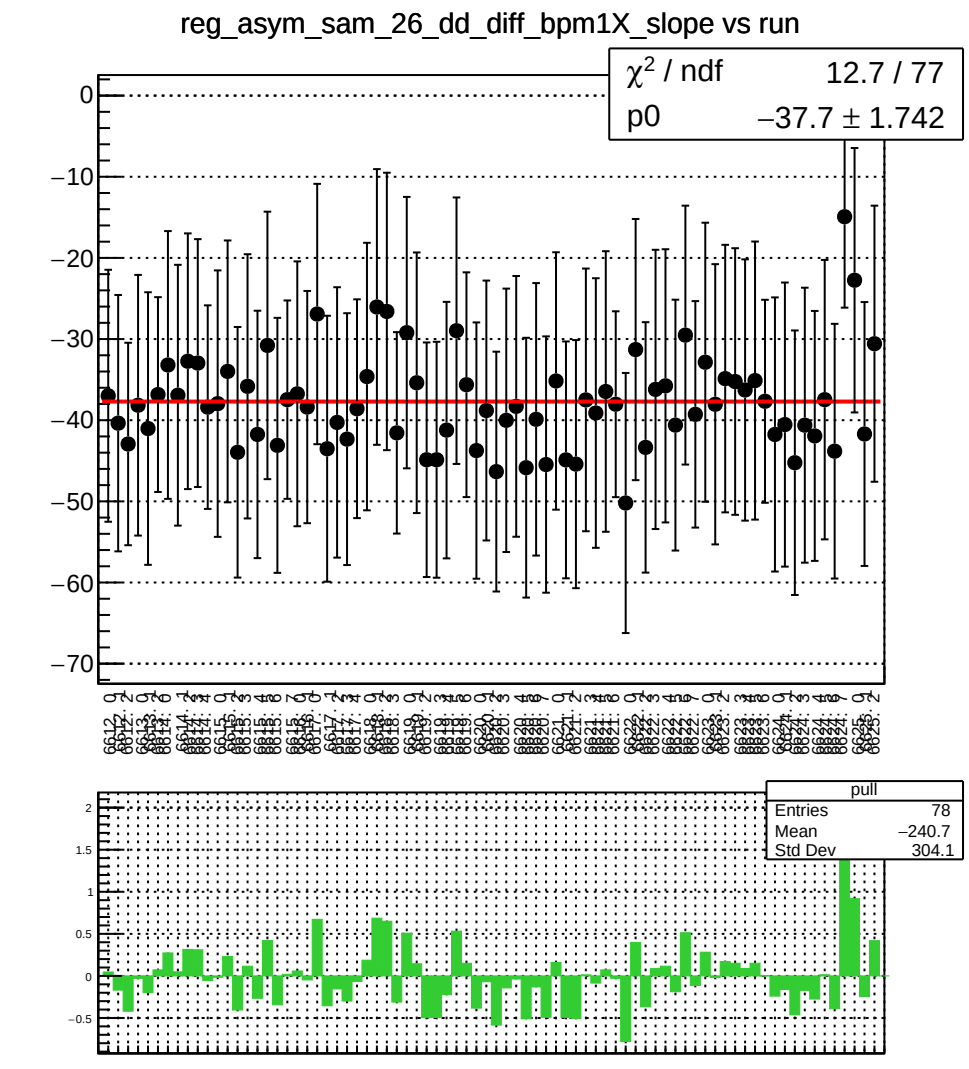

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 48.11 / 77
p0 −58.18 ± 0.7371
pull
Entries 78
Mean 67.33
Std Dev 36.49

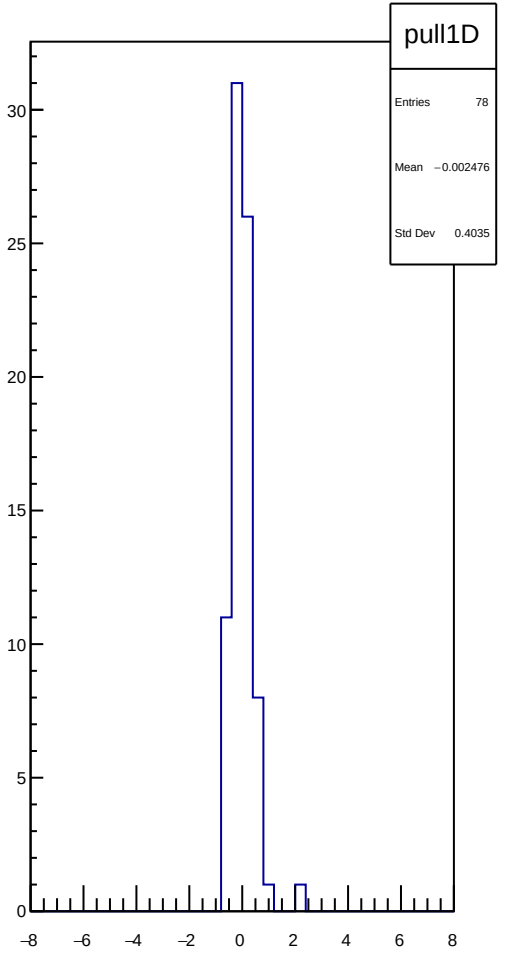

pull1D
Entries 78
Mean −0.03228
Std Dev 0.7847

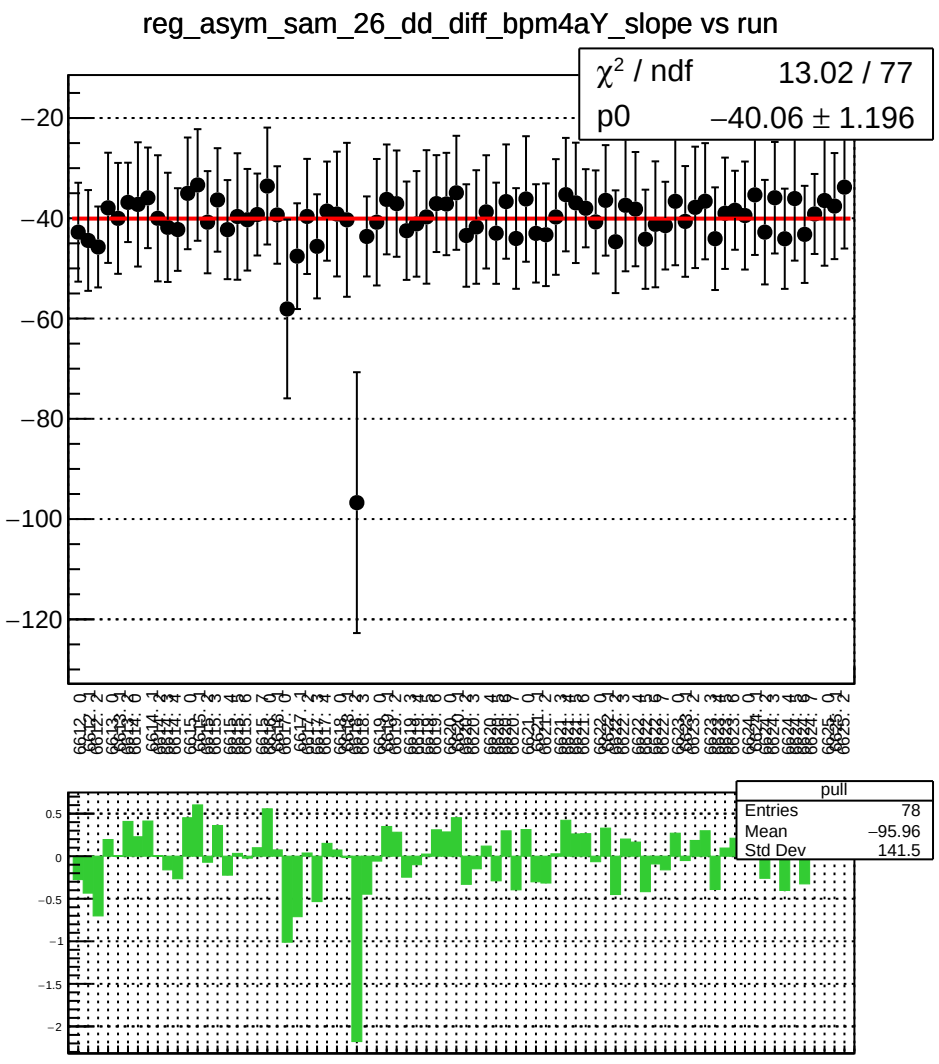

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 29.11 / 77
p0 −41.07 ± 0.5684
pull
Entries 78
Mean 30.91
Std Dev 34.64

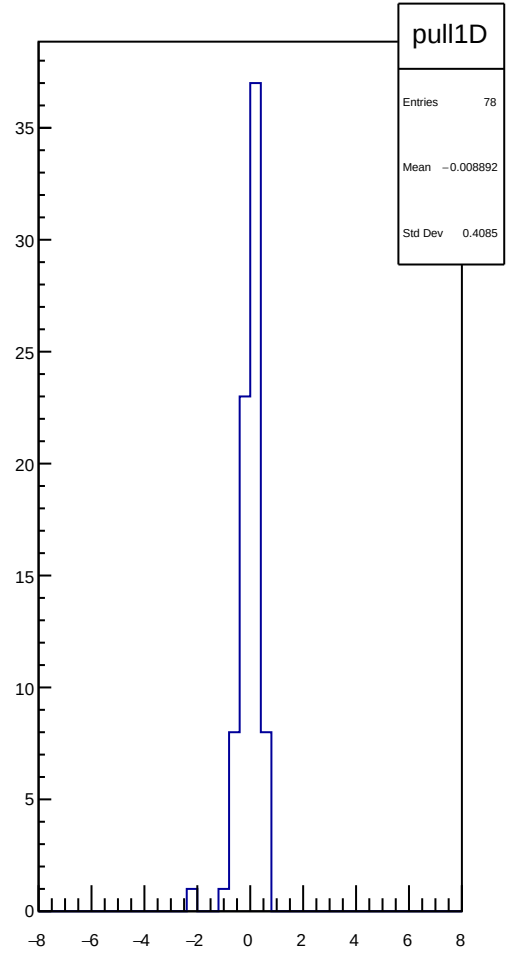

pull1D
Entries 78
Mean −0.02779
Std Dev 0.6103

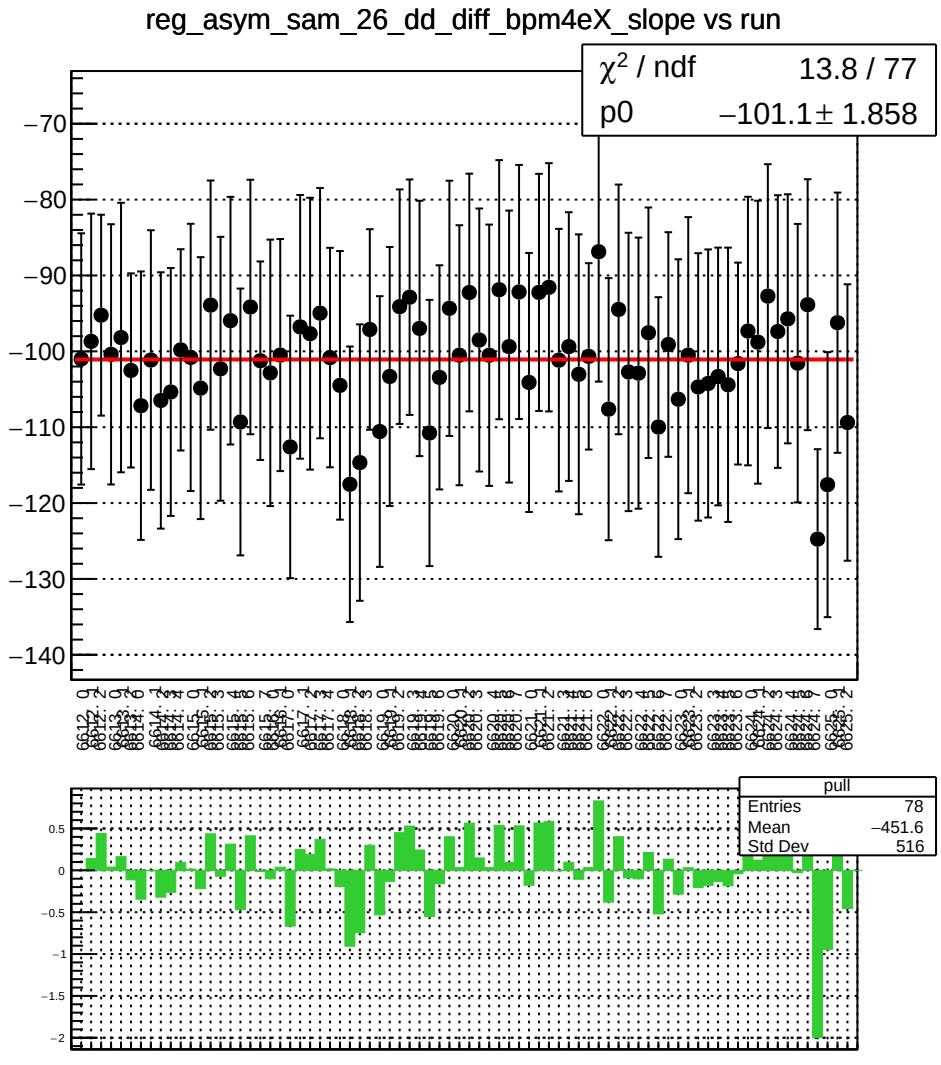

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 10.84 / 77
p0 0.5948 ± 0.02974
pull
Entries 78
Mean 1616
Std Dev 1572
pull1D
Entries 78
Mean −0.001846
Std Dev 0.3728

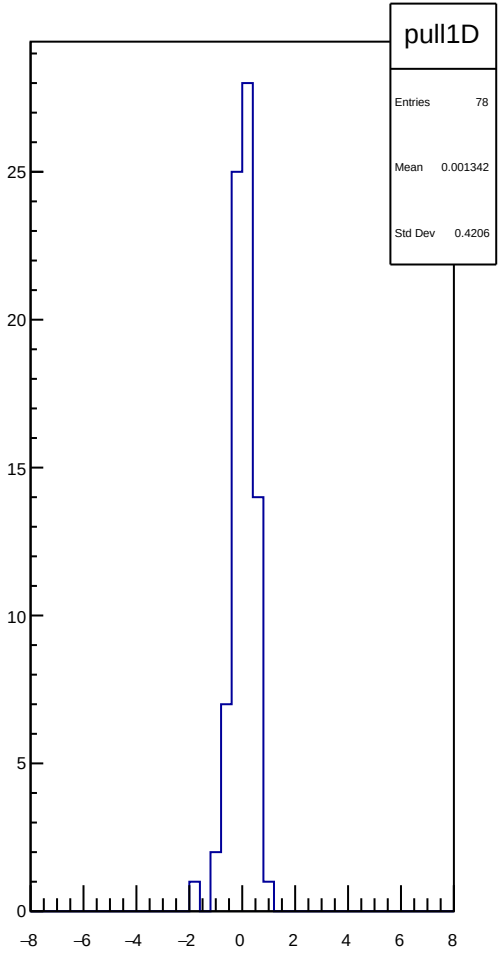

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 12.7 / 77
p0 −37.7 ± 1.742
pull
Entries 78
Mean −240.7
Std Dev 304.1

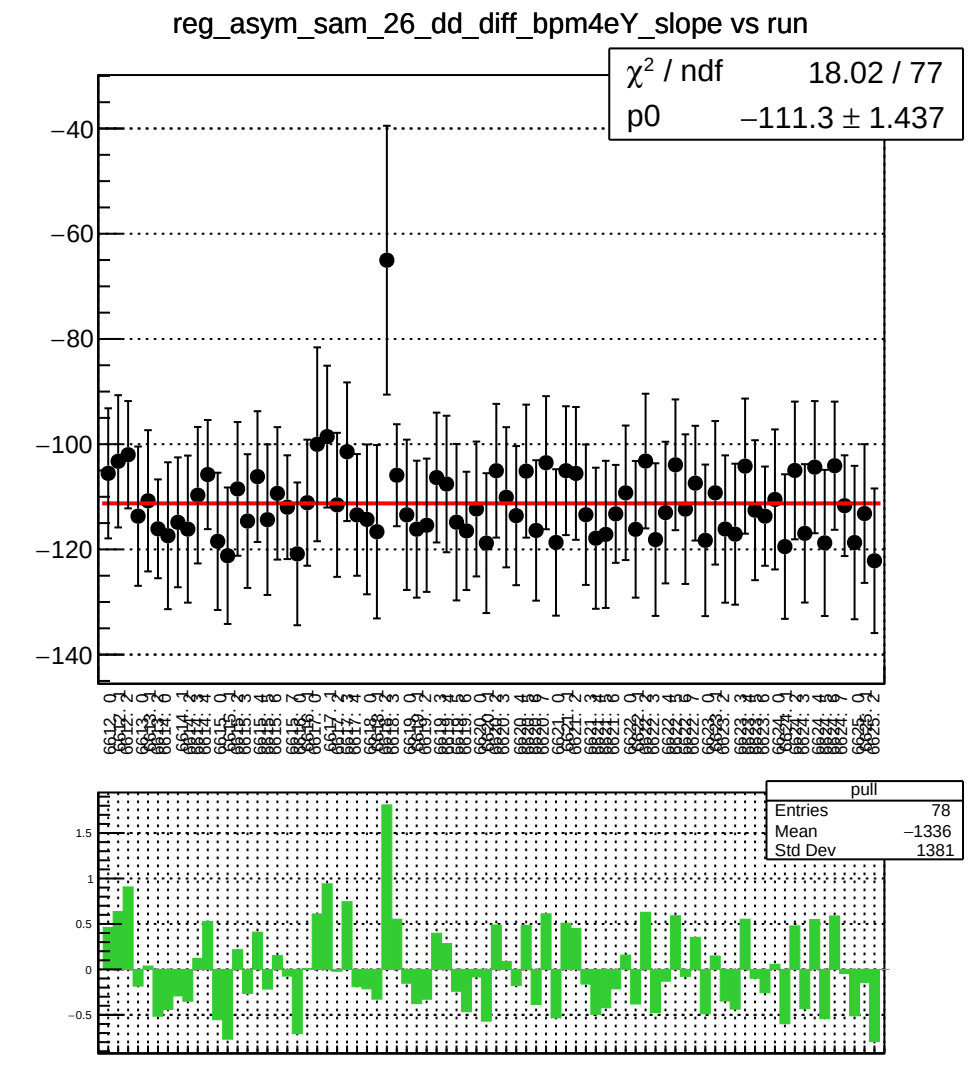

pull1D
Entries 78
Mean −0.002476
Std Dev 0.4035

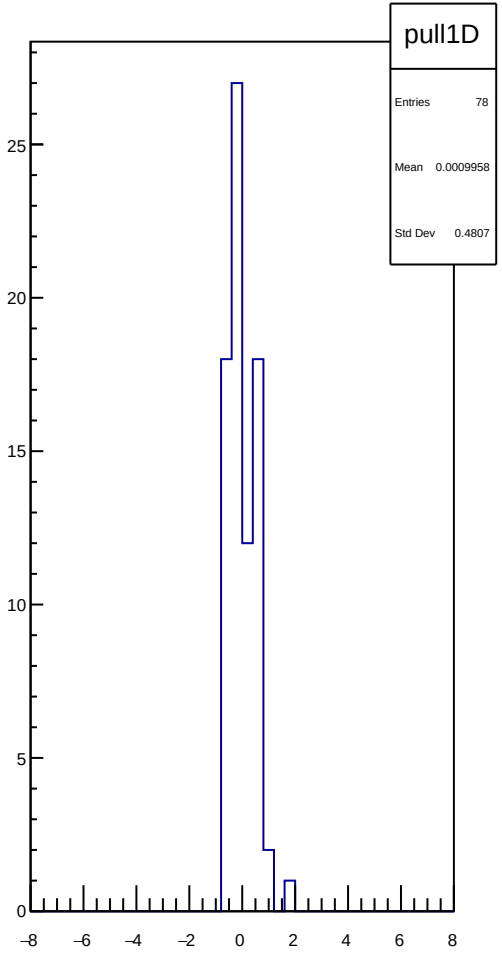

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.02 / 77
p0 −40.06 ± 1.196
pull
Entries 78
Mean −95.96
Std Dev 141.5

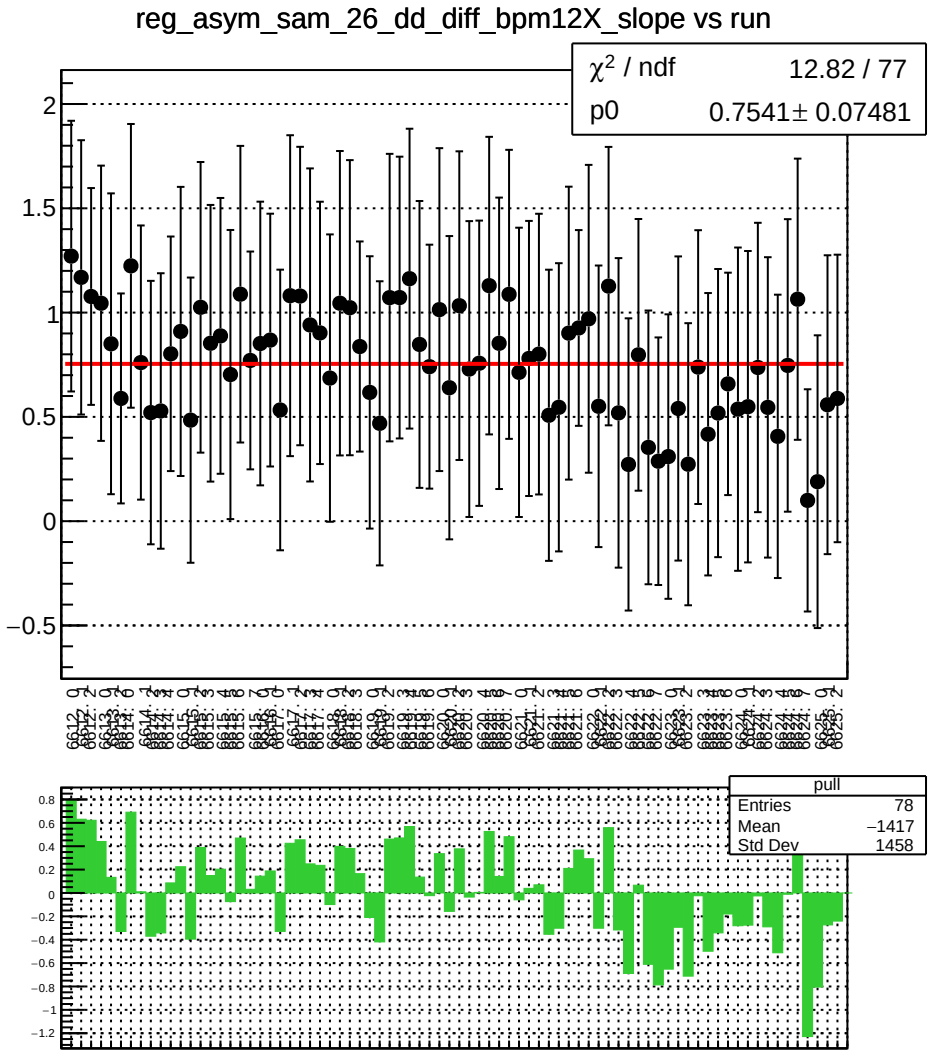

pull1D
Entries 78
Mean −0.008892
Std Dev 0.4085

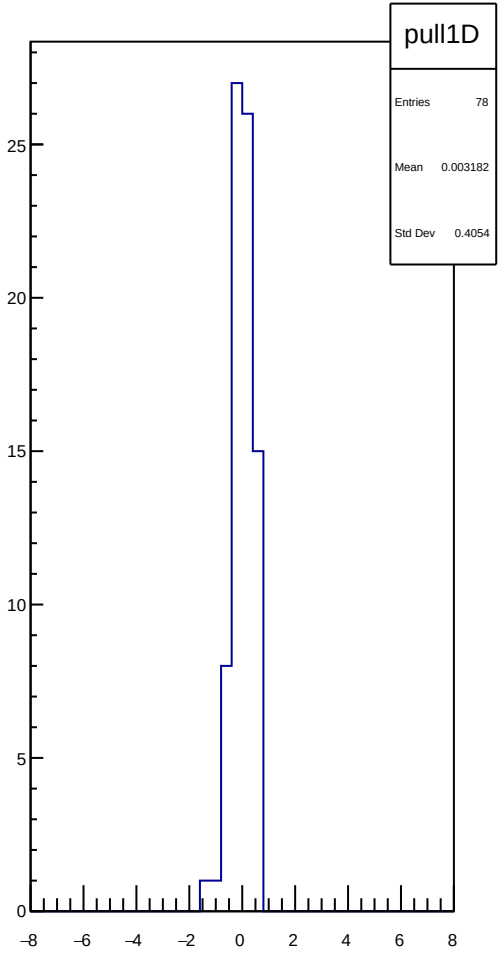

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 13.8 / 77
p0 −101.1± 1.858
pull
Entries 78
Mean −451.6
Std Dev 516

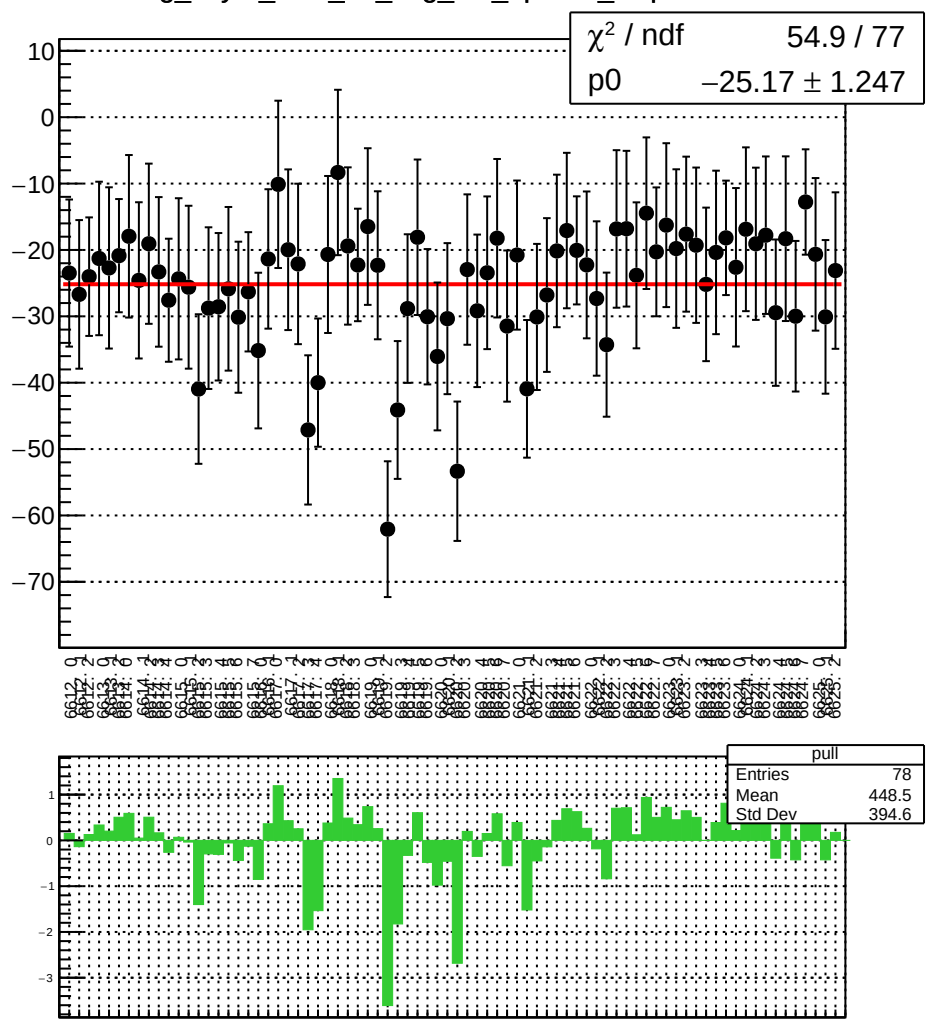

pull1D
Entries 78
Mean 0.001342
Std Dev 0.4206

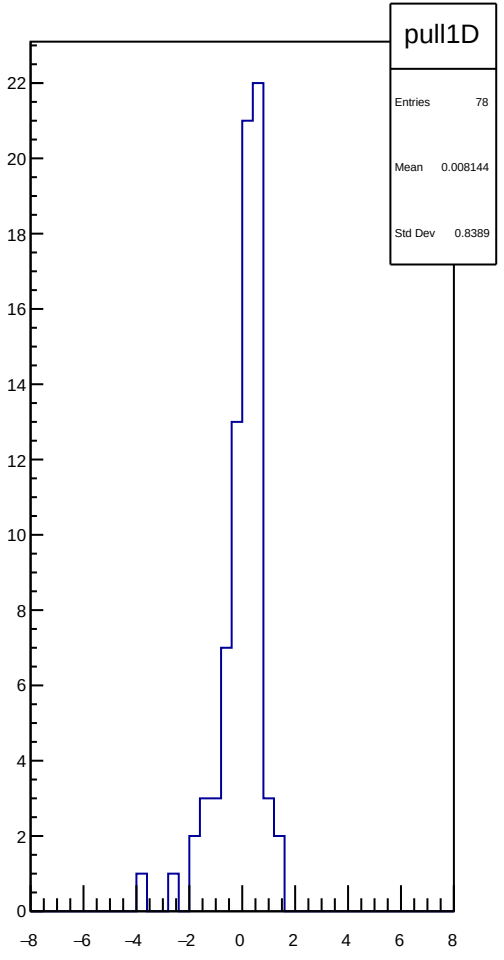

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 18.02 / 77
p0 −111.3 ± 1.437
pull
Entries 78
Mean −1336
Std Dev 1381

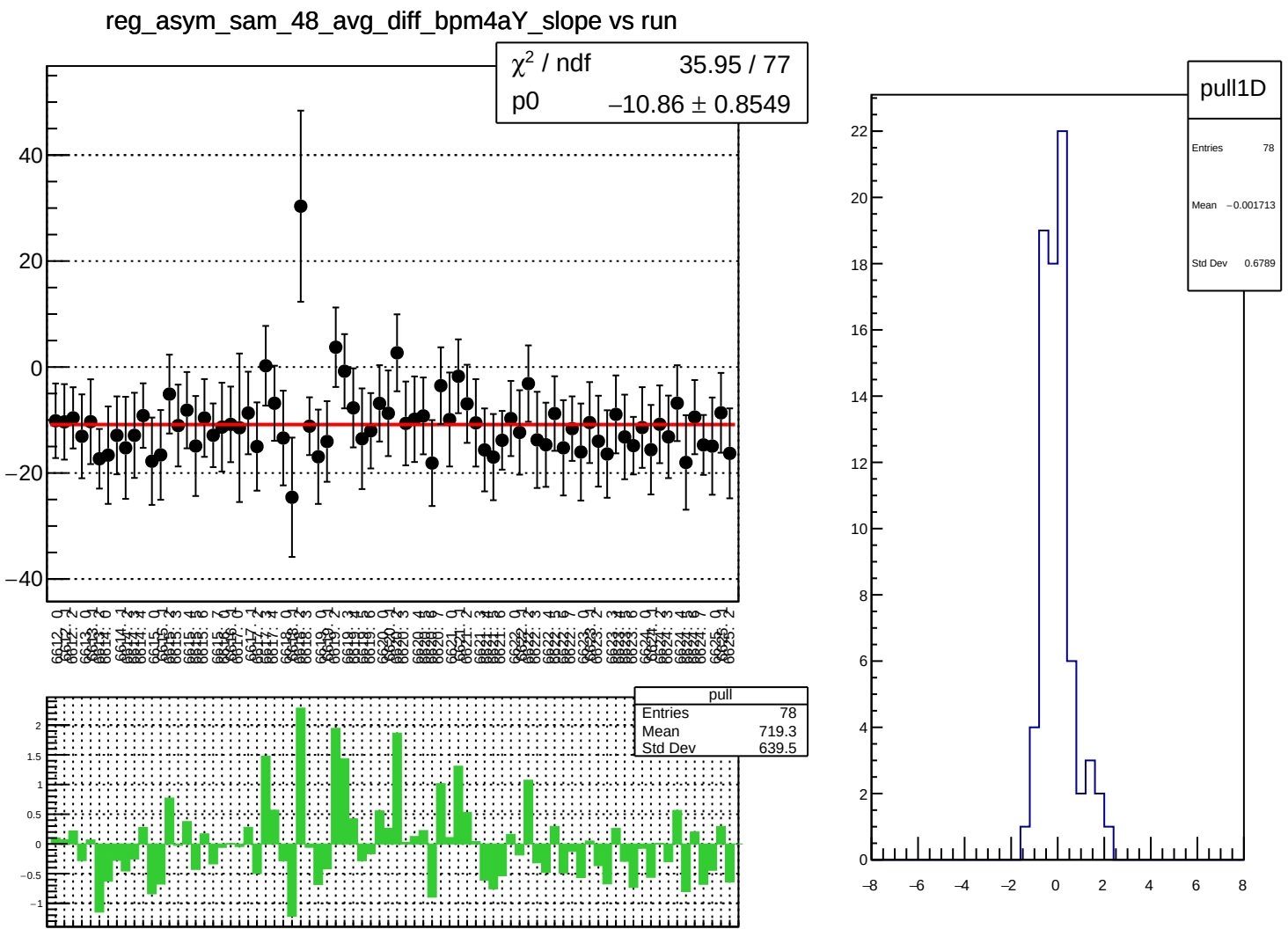

pull1D
Entries 78
Mean 0.0009958
Std Dev 0.4807

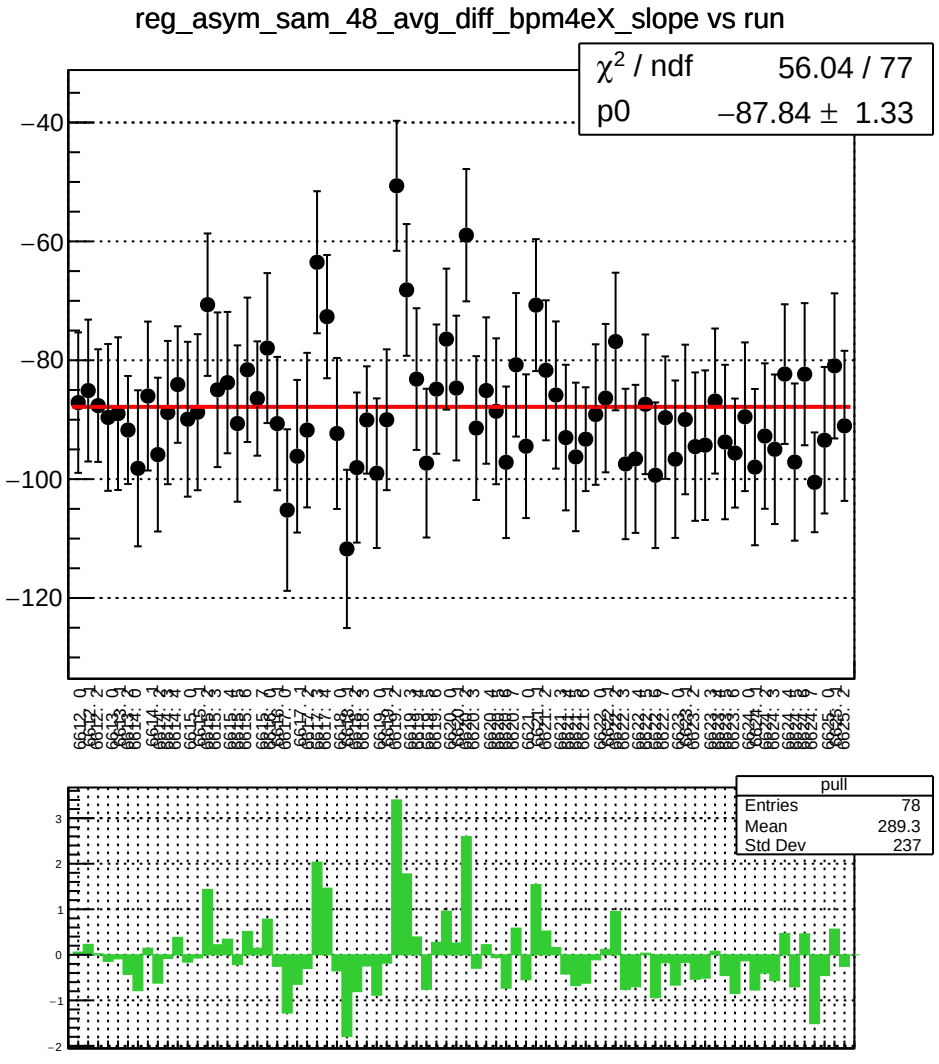

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 12.82 / 77
p0 0.7541± 0.07481
pull
Entries 78
Mean −1417
Std Dev 1458

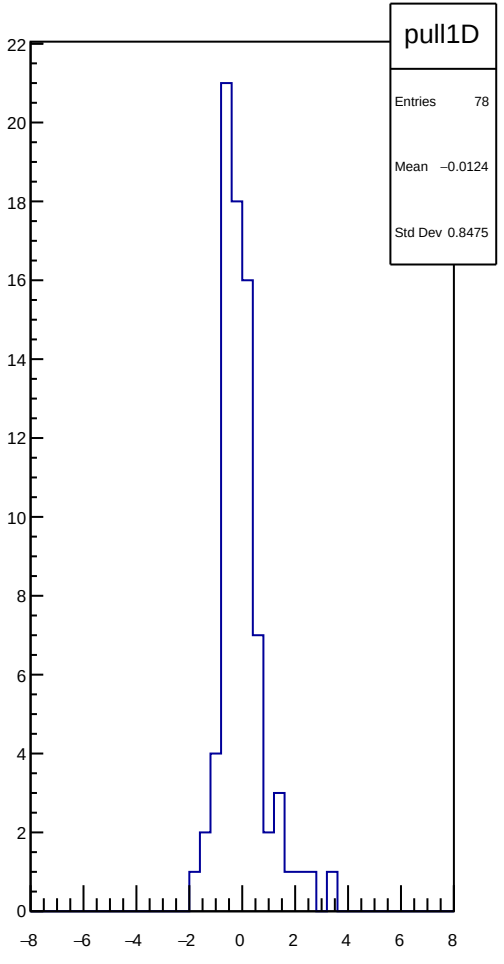

pull1D
Entries 78
Mean 0.003182
Std Dev 0.4054

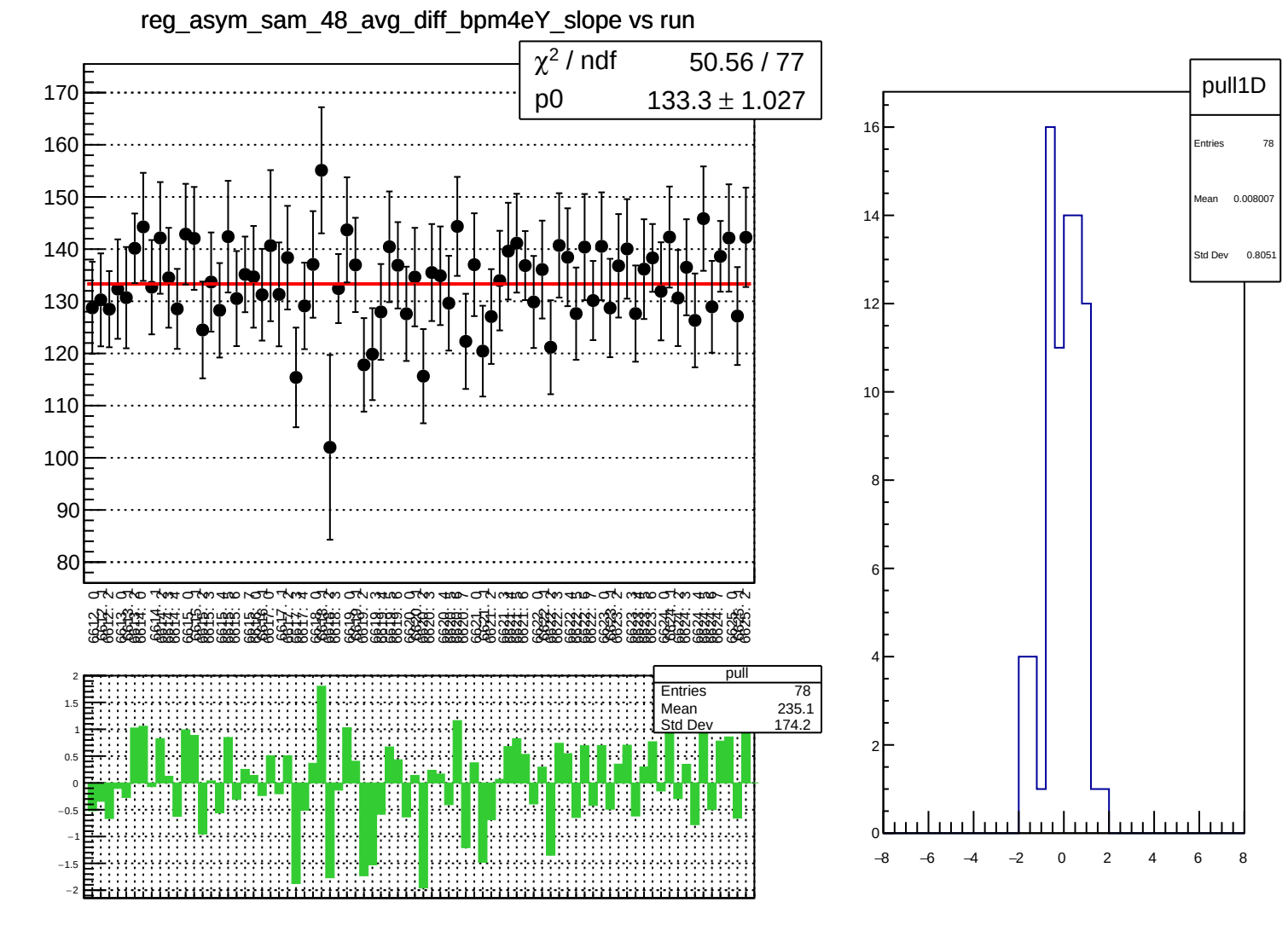

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 54.9 / 77
p0 −25.17 ± 1.247
pull
Entries 78
Mean 448.5
Std Dev 394.6

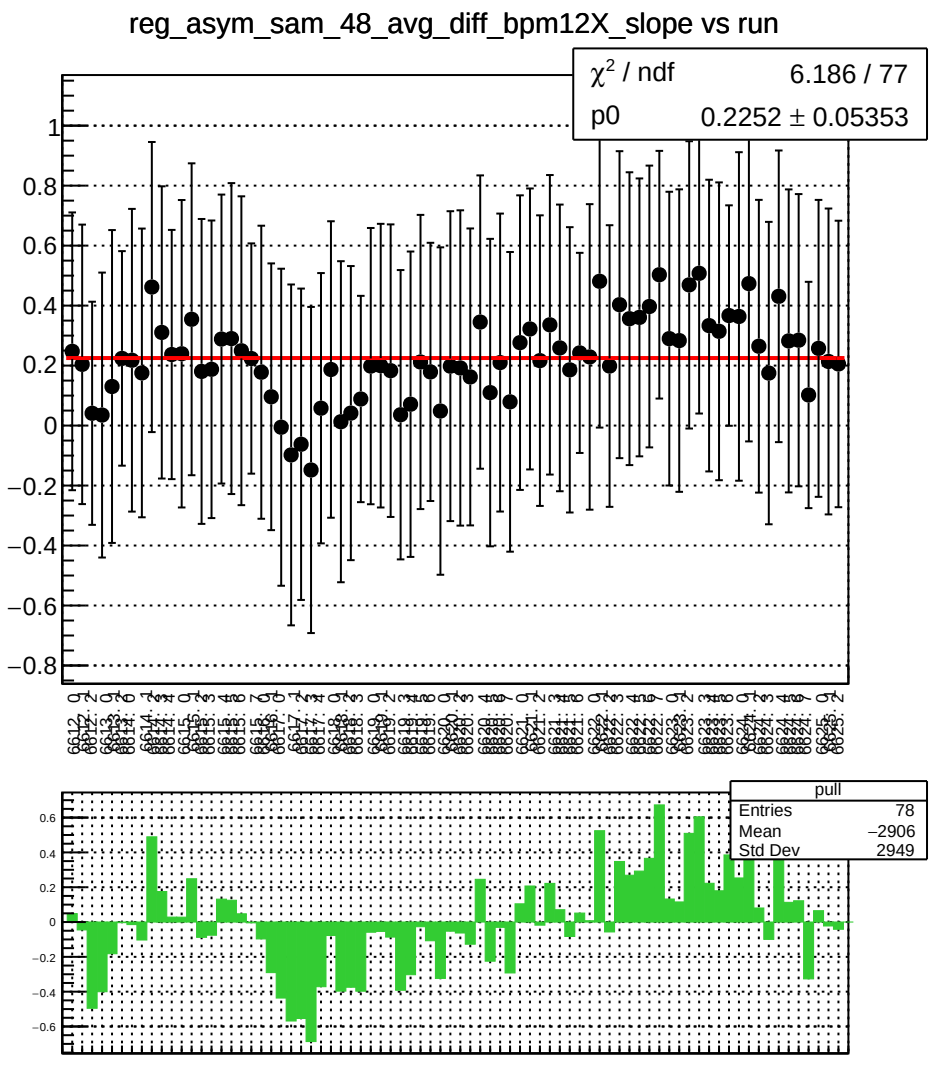

pull1D
Entries 78
Mean 0.008144
Std Dev 0.8389

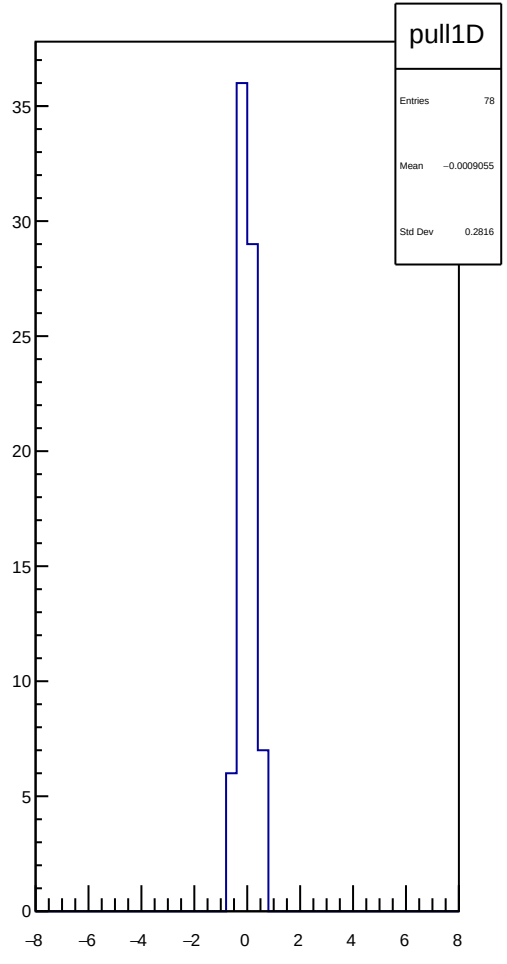

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 35.95 / 77
p0 −10.86 ± 0.8549
pull
Entries 78
Mean 719.3
Std Dev 639.5
pull1D
Entries 78
Mean −0.001713
Std Dev 0.6789

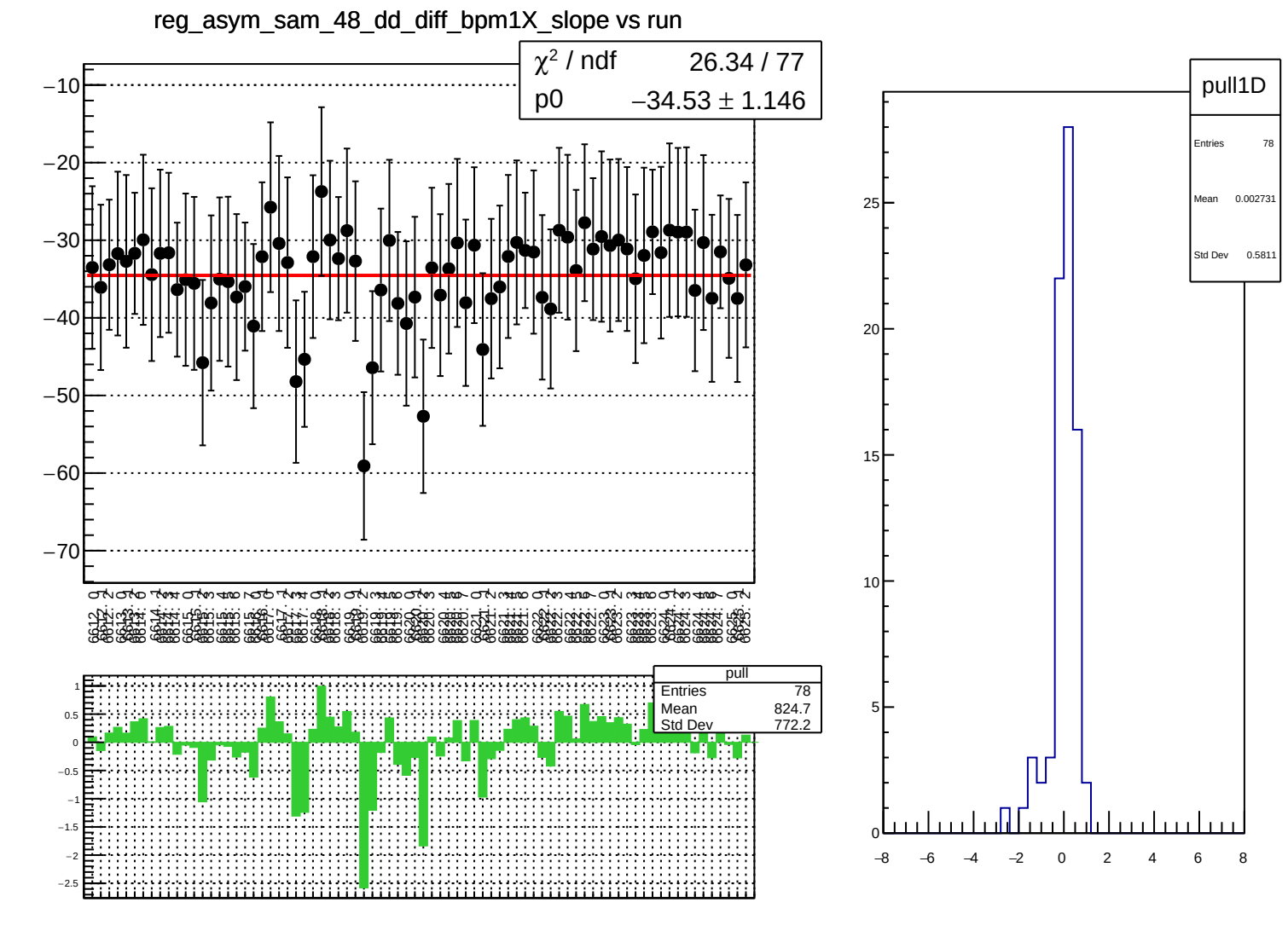

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 56.04 / 77
p0 −87.84 ± 1.33
−40
−60
−80
−100
−120
pull
Entries 78
Mean 289.3
Std Dev 237
3
2
1
0
−1
−2

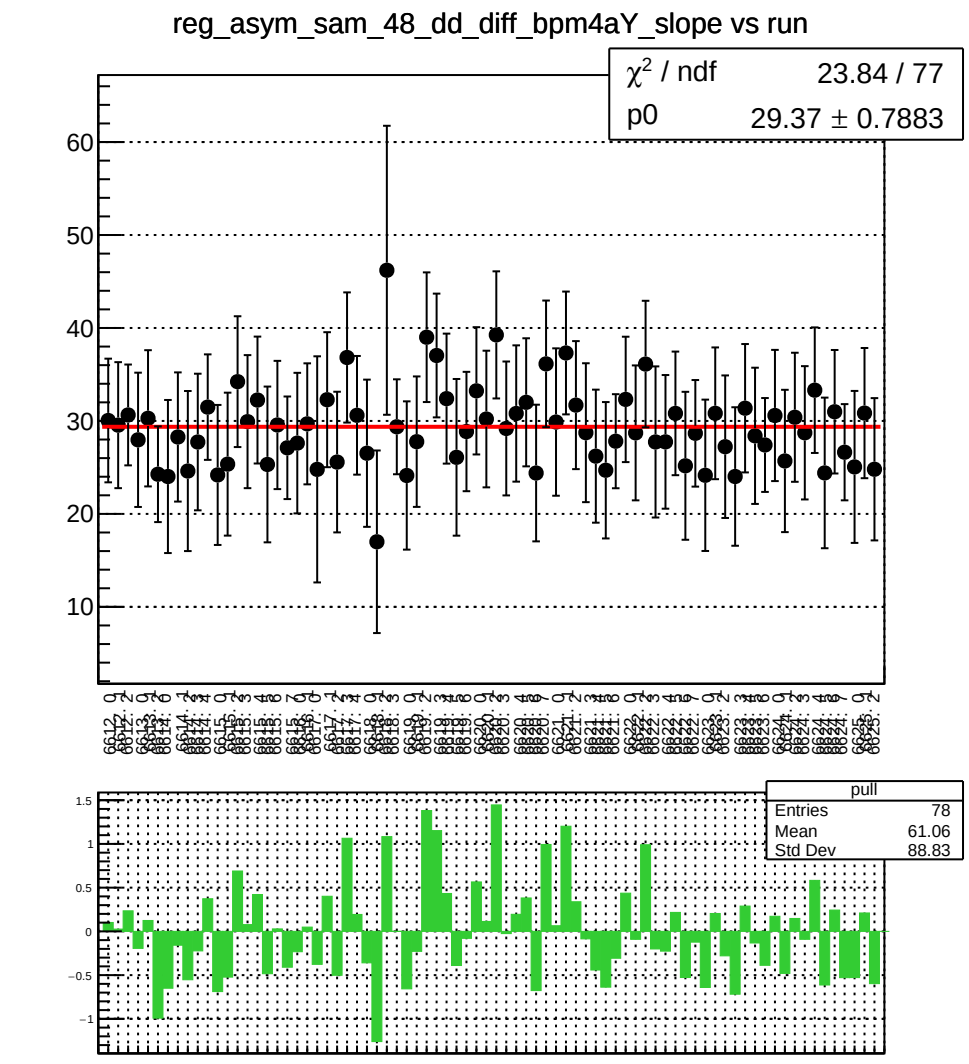

pull1D
Entries 78
Mean −0.0124
Std Dev 0.8475
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

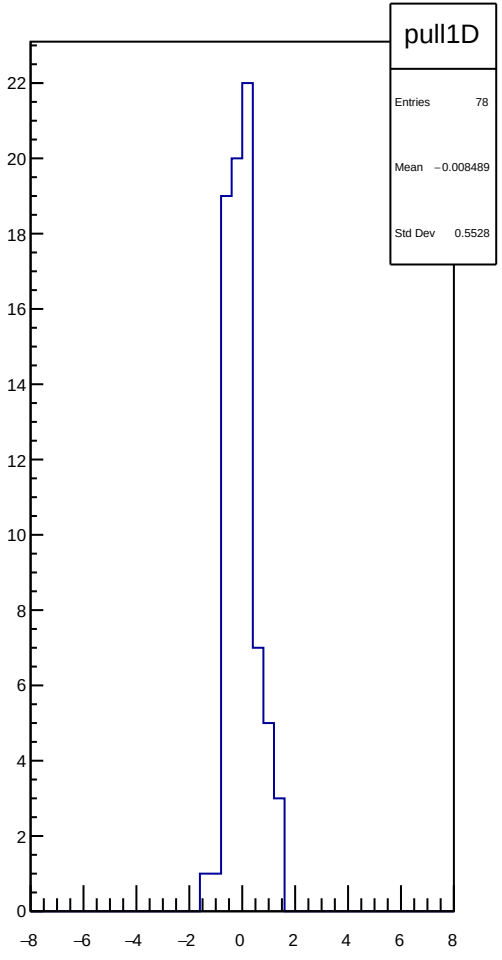

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 50.56 / 77
p0 133.3 ± 1.027
pull
Entries 78
Mean 235.1
Std Dev 174.2
pull1D
Entries 78
Mean 0.008007
Std Dev 0.8051

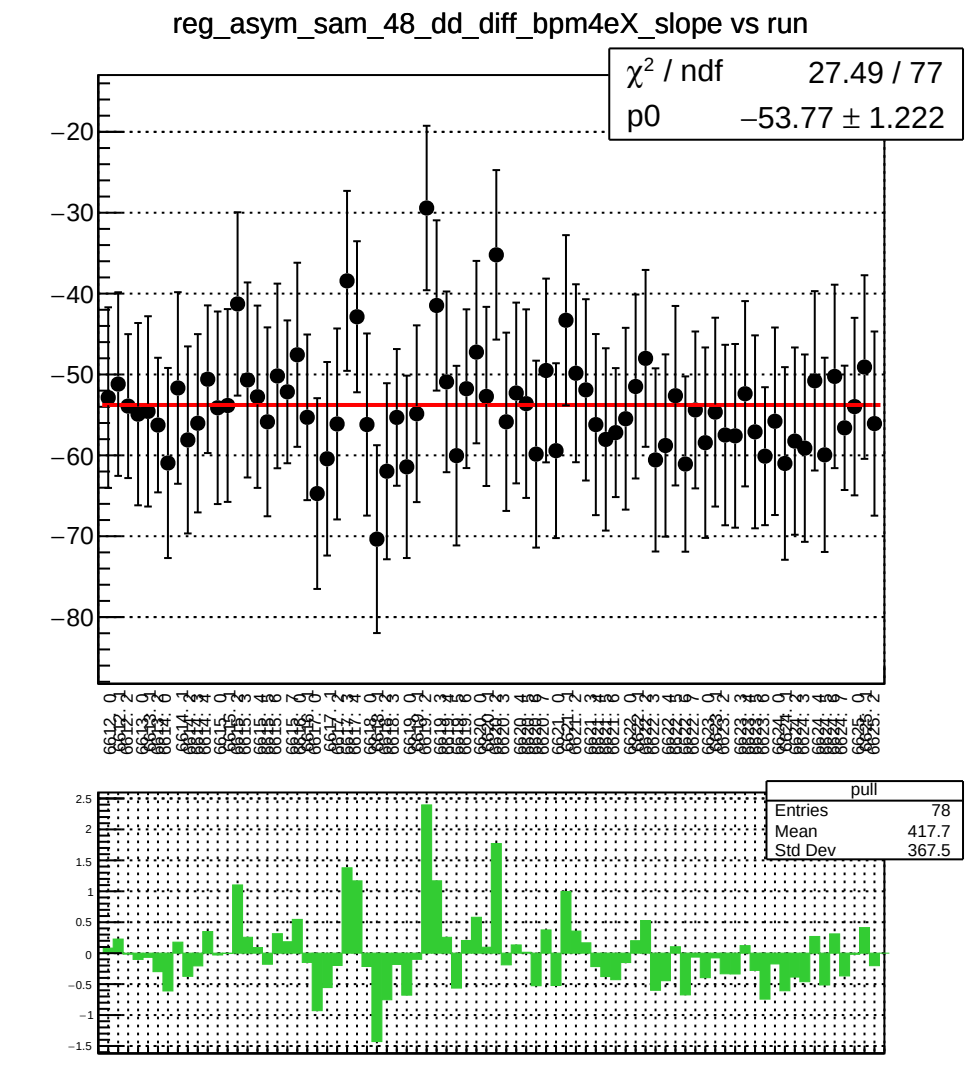

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 6.186 / 77
p0 0.2252 ± 0.05353
pull
Entries 78
Mean −2906
Std Dev 2949

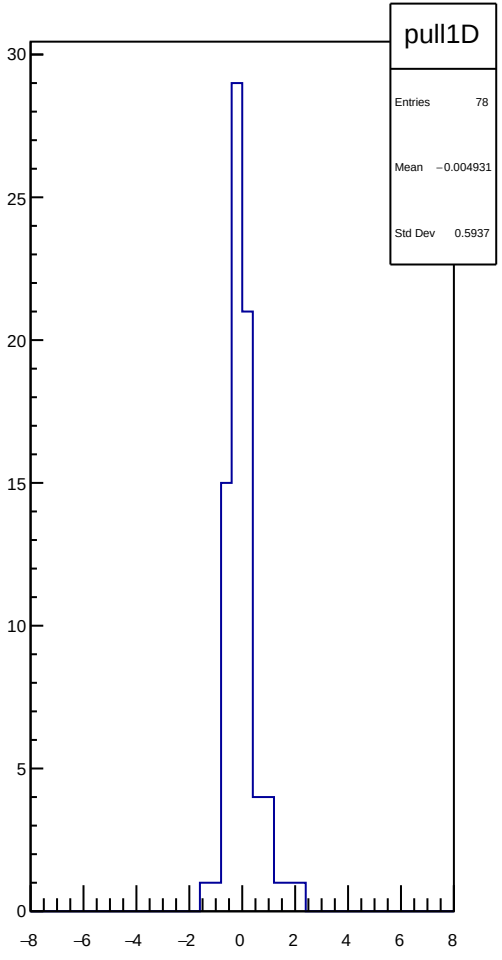

pull1D
Entries 78
Mean −0.0009055
Std Dev 0.2816

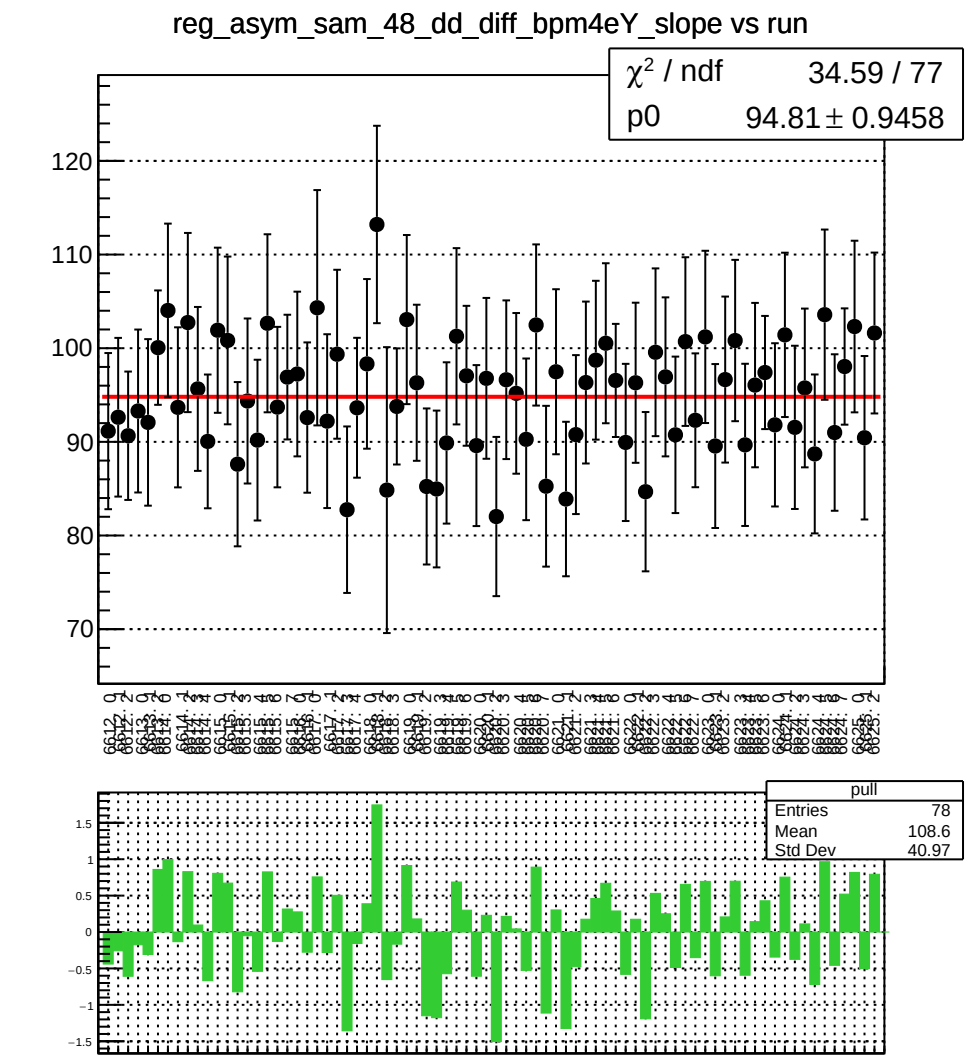

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 26.34 / 77
p0 −34.53 ± 1.146
pull
Entries 78
Mean 824.7
Std Dev 772.2
pull1D
Entries 78
Mean 0.002731
Std Dev 0.5811

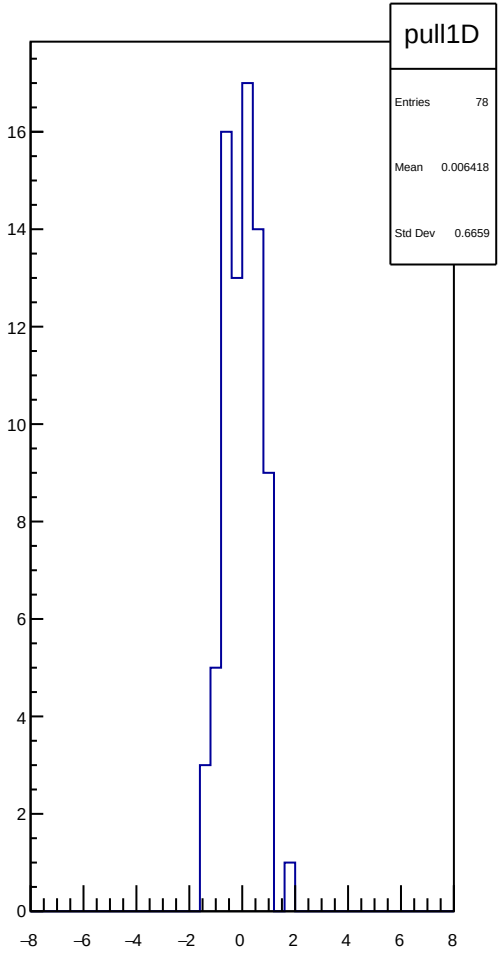

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 23.84 / 77
p0 29.37 ± 0.7883
pull
Entries 78
Mean 61.06
Std Dev 88.83

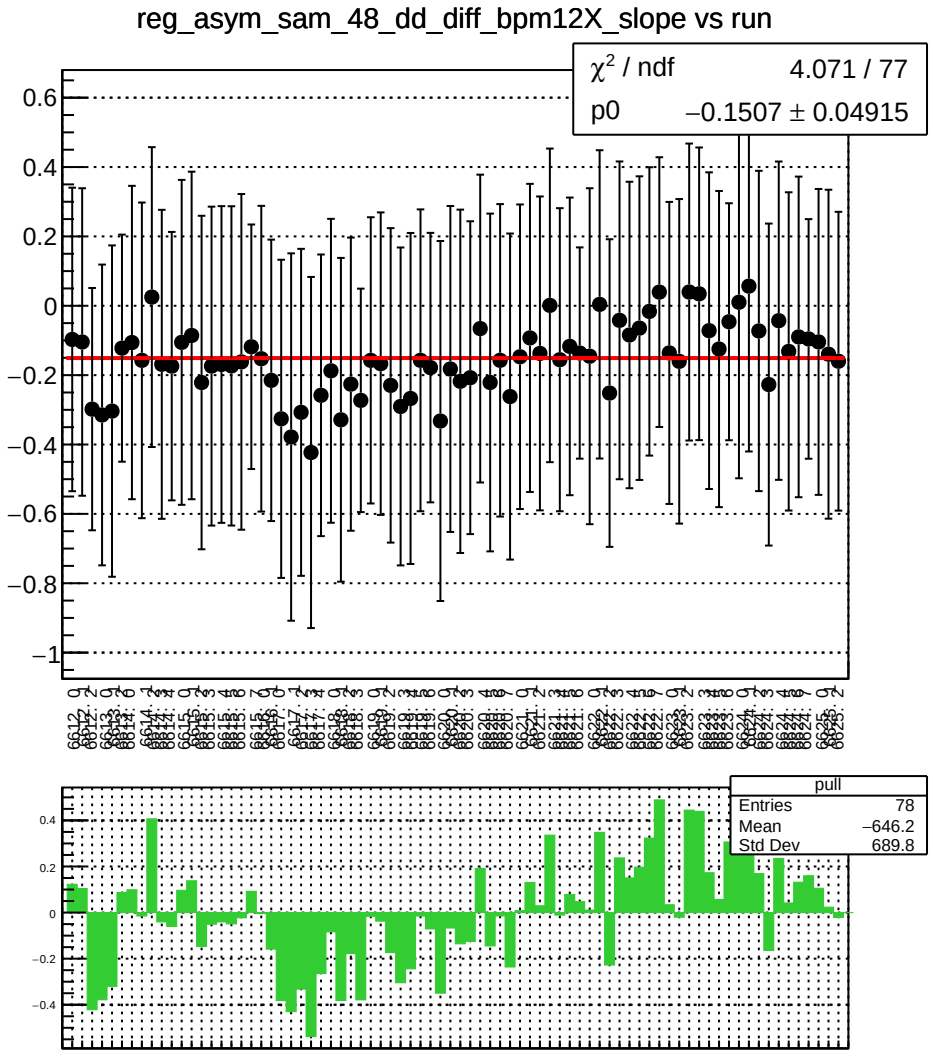

pull1D
Entries 78
Mean −0.008489
Std Dev 0.5528

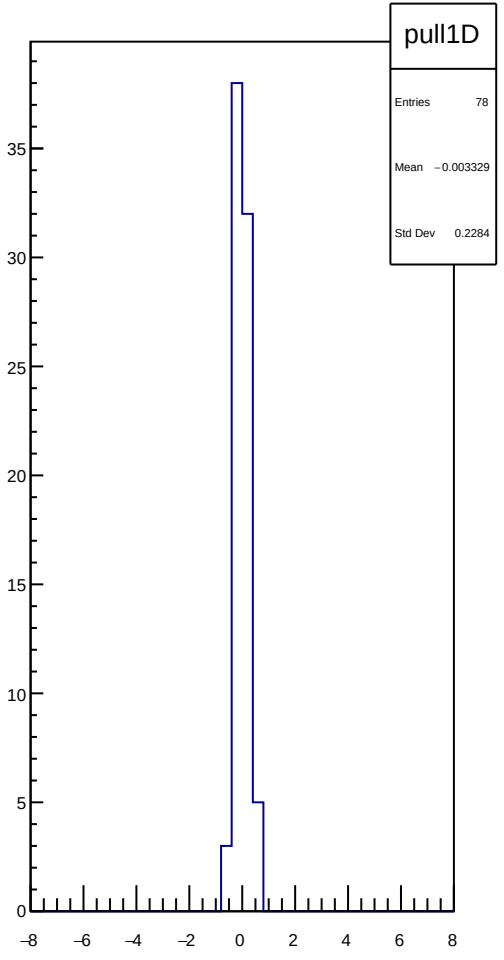

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 27.49 / 77
p0 −53.77 ± 1.222
pull
Entries 78
Mean 417.7
Std Dev 367.5

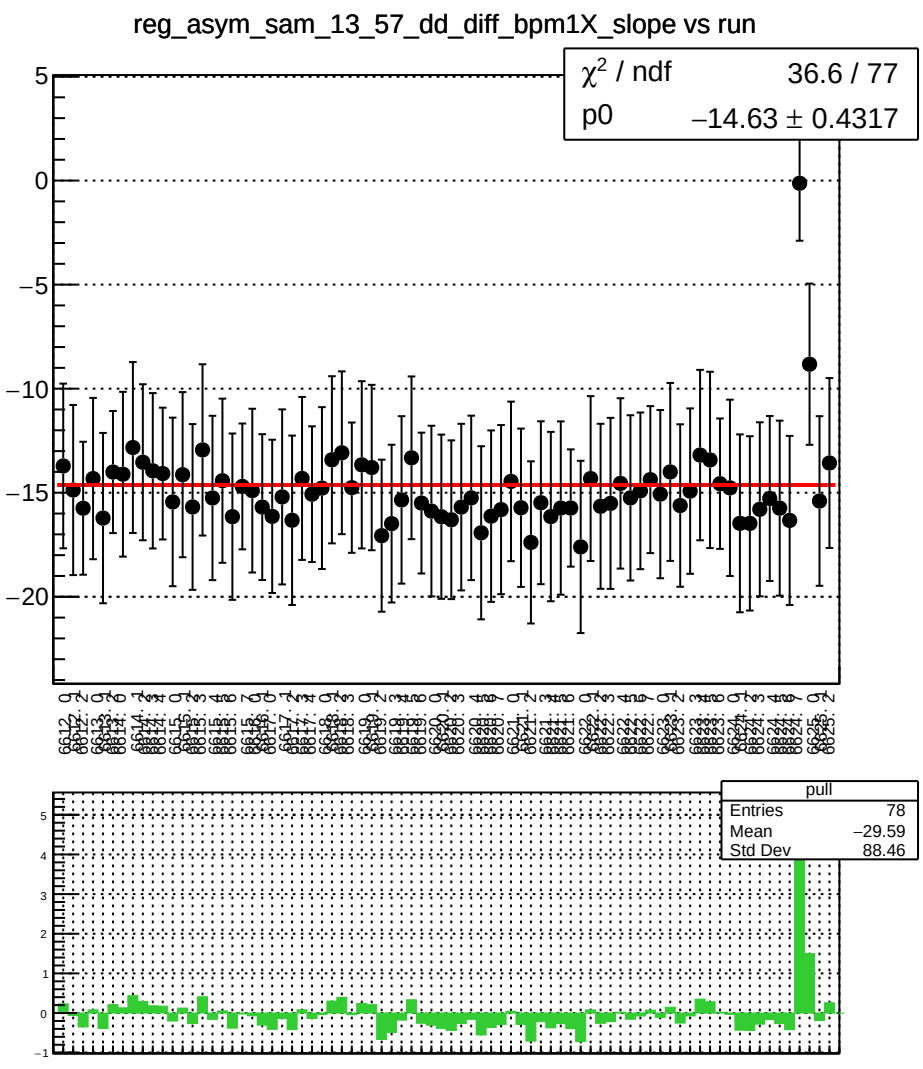

pull1D
Entries 78
Mean −0.004931
Std Dev 0.5937

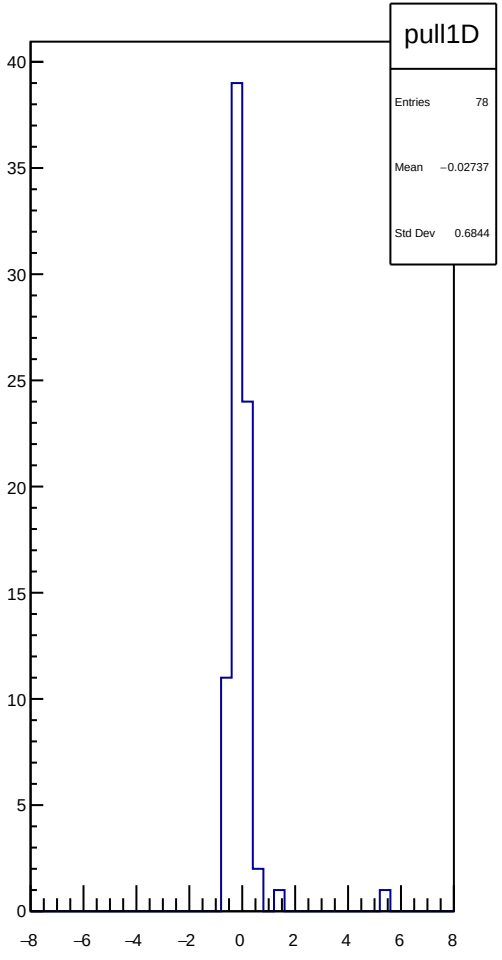

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 34.59 / 77
p0 94.81 ± 0.9458
120
110
100
90
80
70
pull
Entries 78
Mean 108.6
Std Dev 40.97
1.5
1
0.5
0
−0.5
−1
−1.5

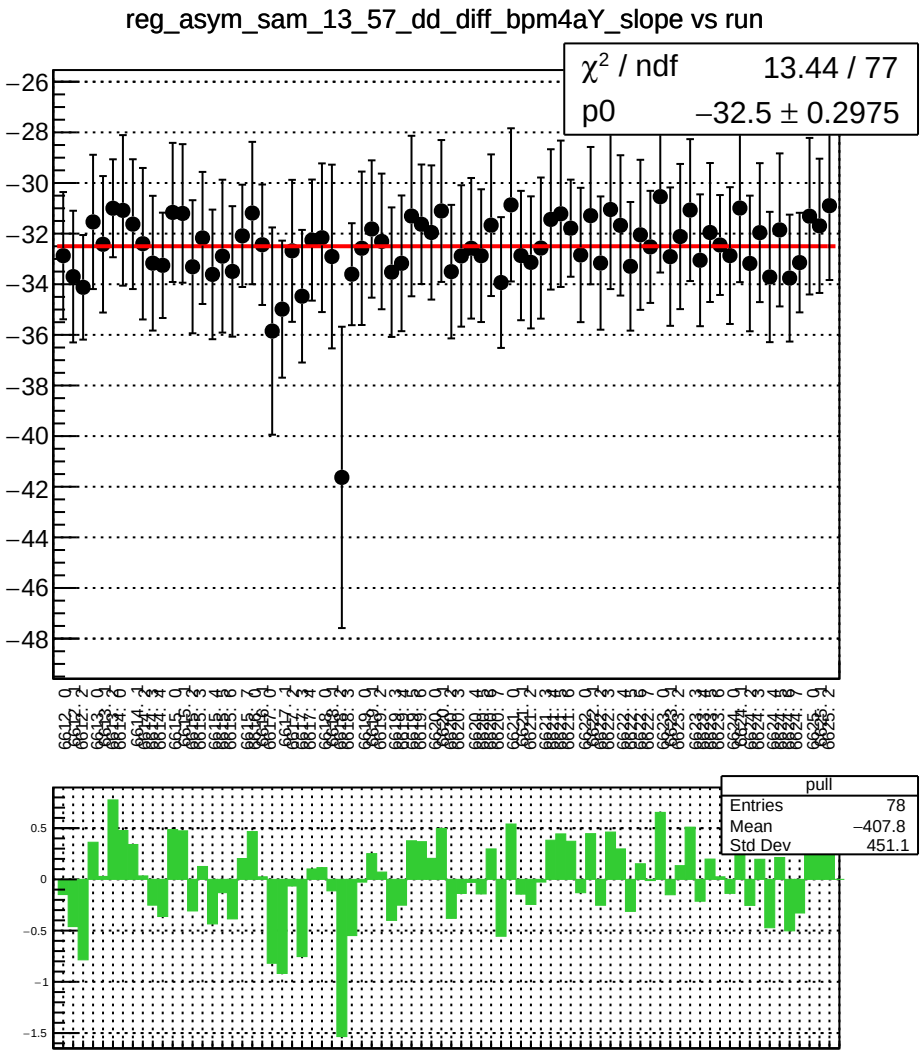

pull1D
Entries 78
Mean 0.006418
Std Dev 0.6659
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

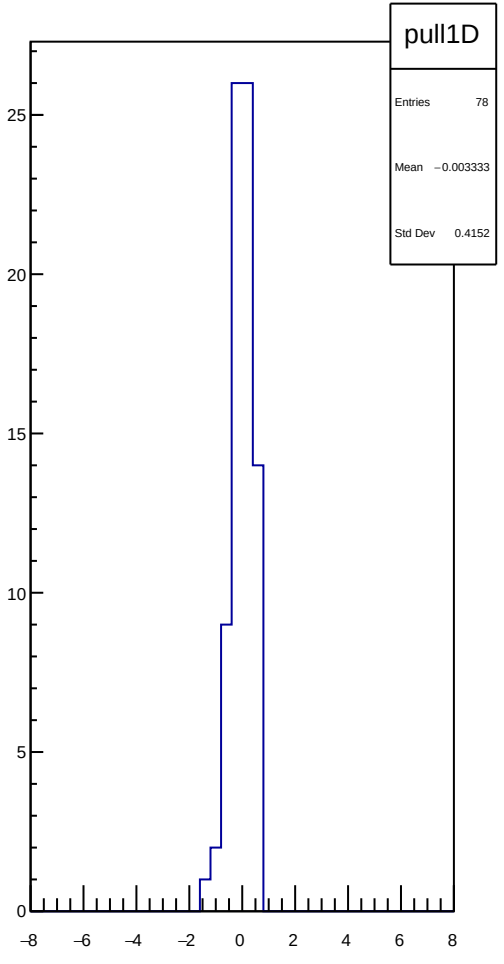

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 4.071 / 77
p0 −0.1507 ± 0.04915
pull
Entries 78
Mean −646.2
Std Dev 689.8

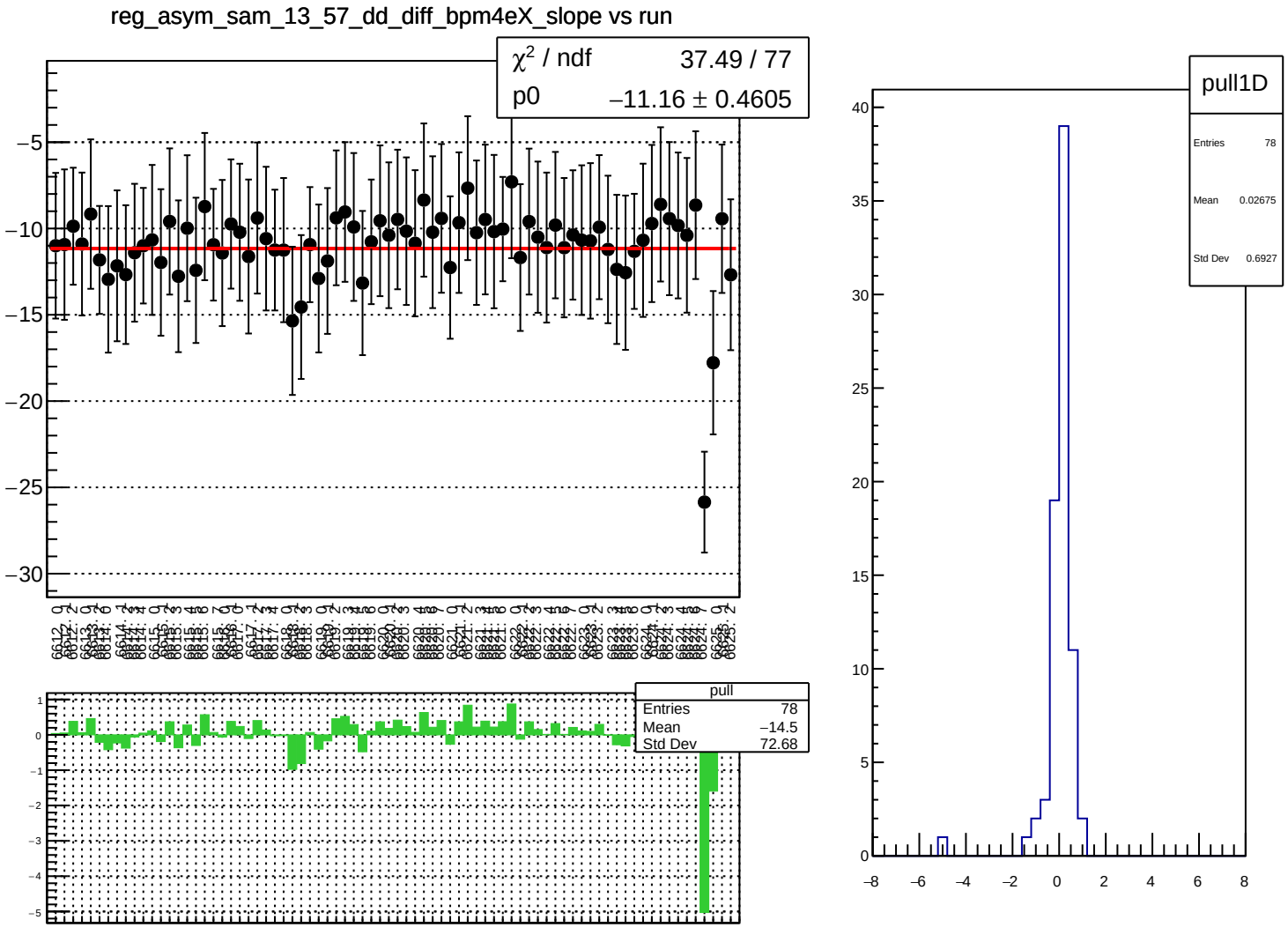

pull1D
Entries 78
Mean −0.003329
Std Dev 0.2284

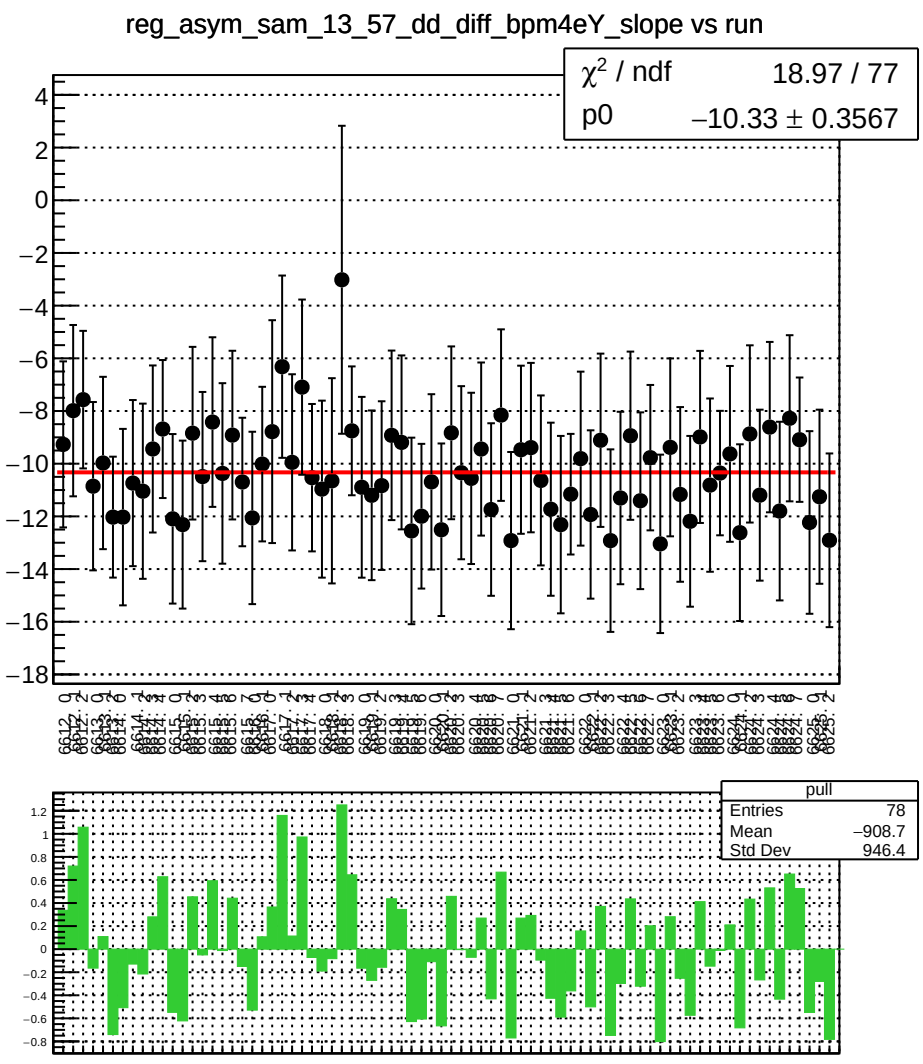

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 36.6 / 77
p0 −14.63 ± 0.4317
pull
Entries 78
Mean −29.59
Std Dev 88.46

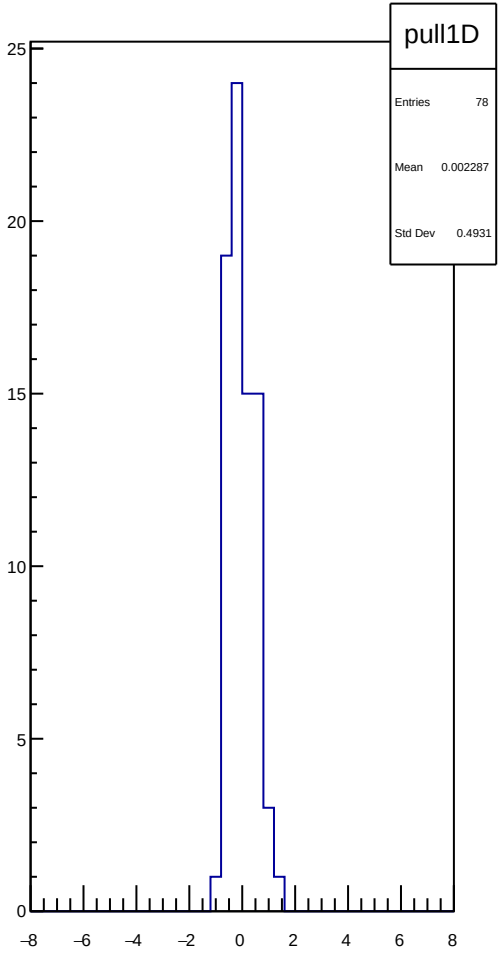

pull1D
Entries 78
Mean −0.02737
Std Dev 0.6844

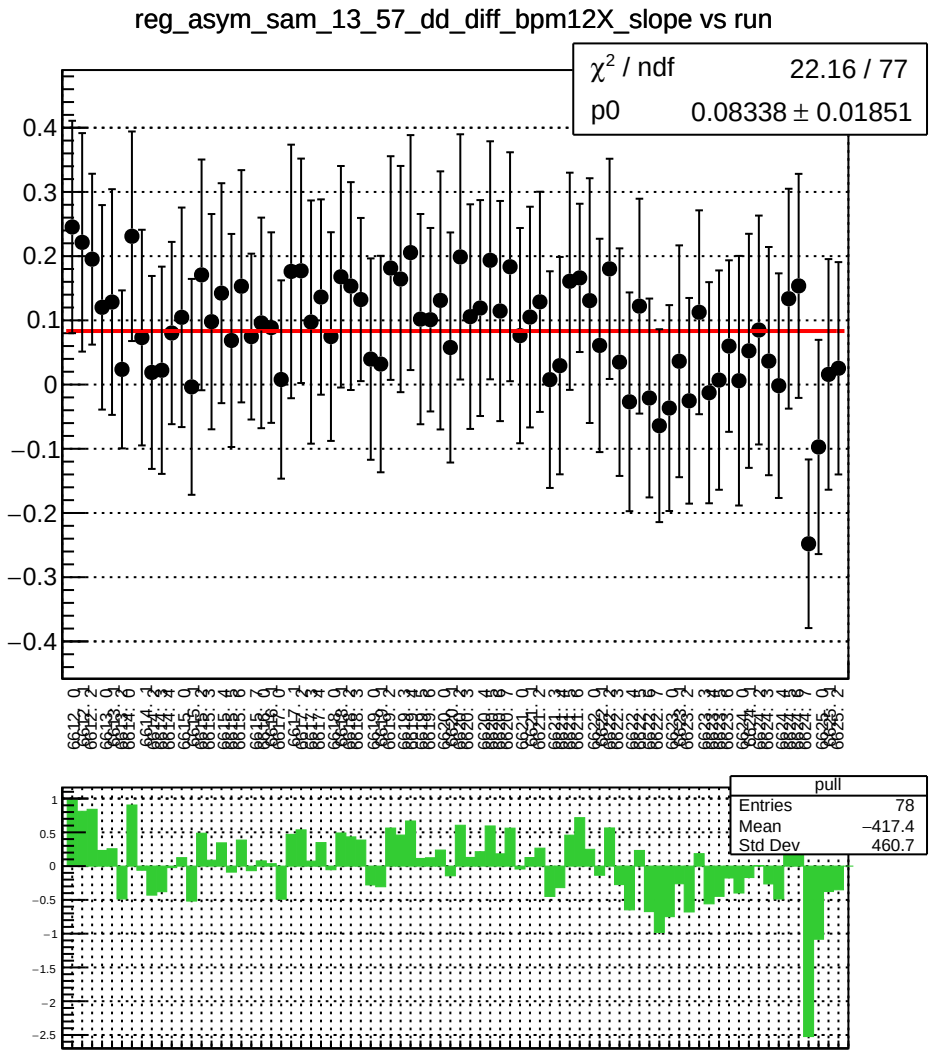

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.44 / 77
p0 −32.5 ± 0.2975
pull
Entries 78
Mean −407.8
Std Dev 451.1

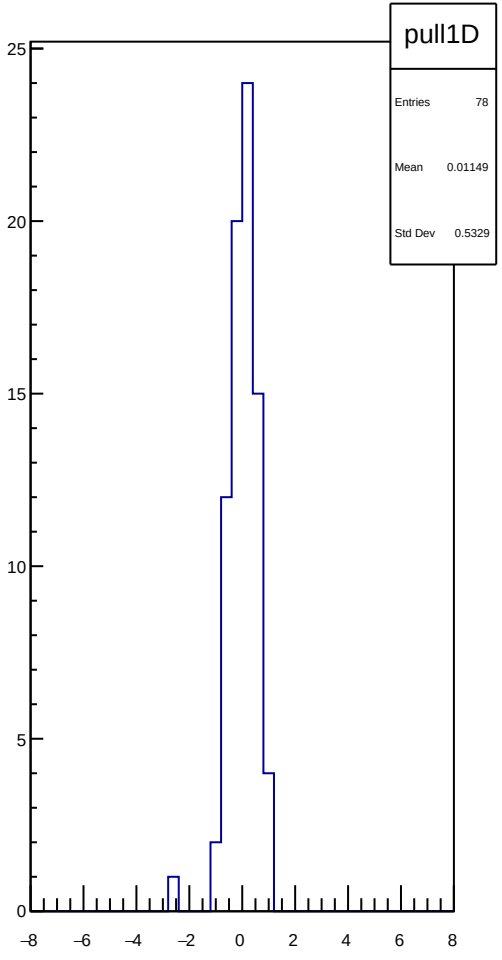

pull1D
Entries 78
Mean −0.003333
Std Dev 0.4152

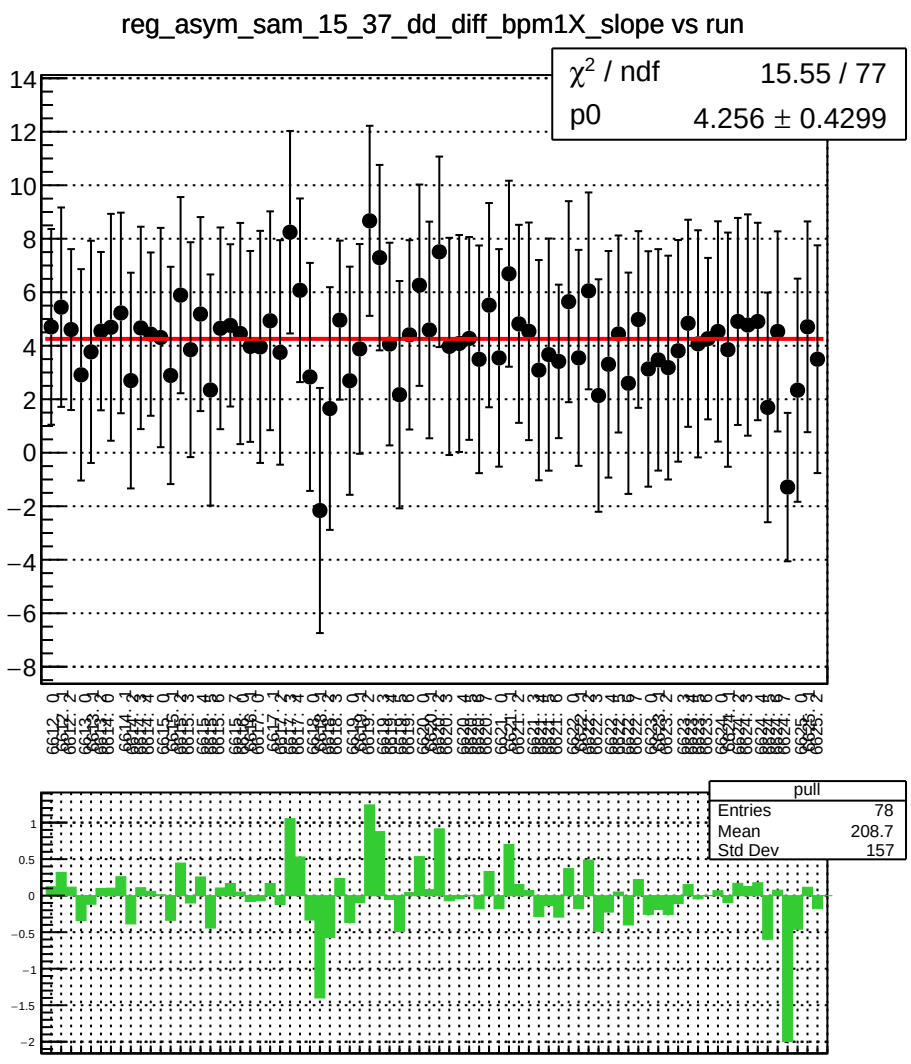

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 37.49 / 77
p0 −11.16 ± 0.4605
pull
Entries 78
Mean −14.5
Std Dev 72.68
pull1D
Entries 78
Mean 0.02675
Std Dev 0.6927

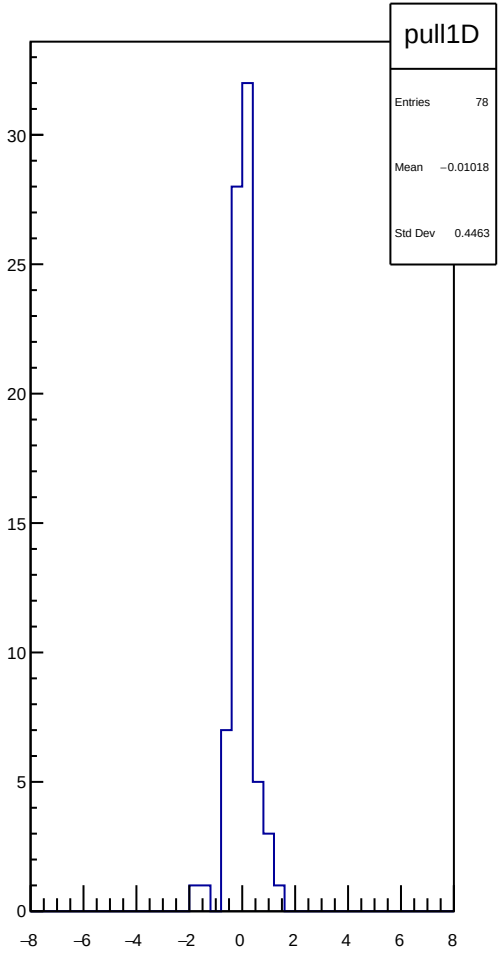

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 18.97 / 77
p0 −10.33 ± 0.3567
pull
Entries 78
Mean −908.7
Std Dev 946.4

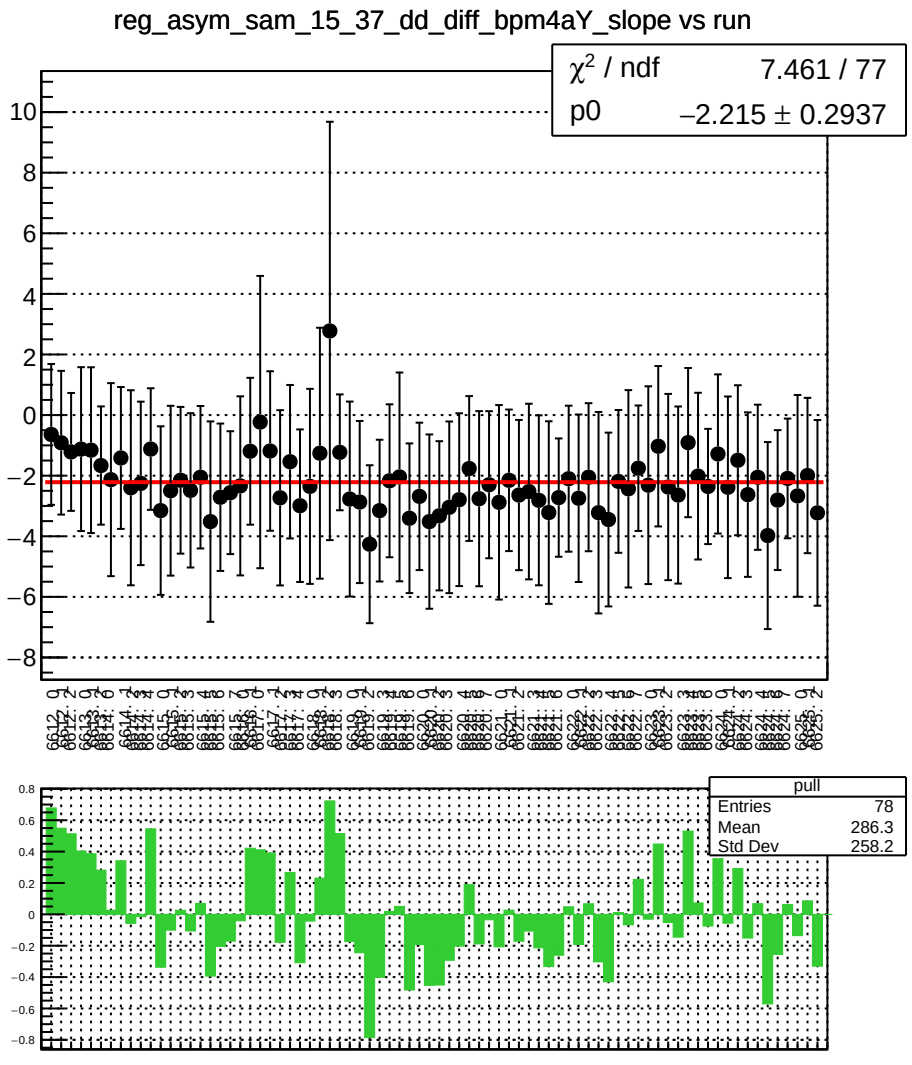

pull1D
Entries 78
Mean 0.002287
Std Dev 0.4931

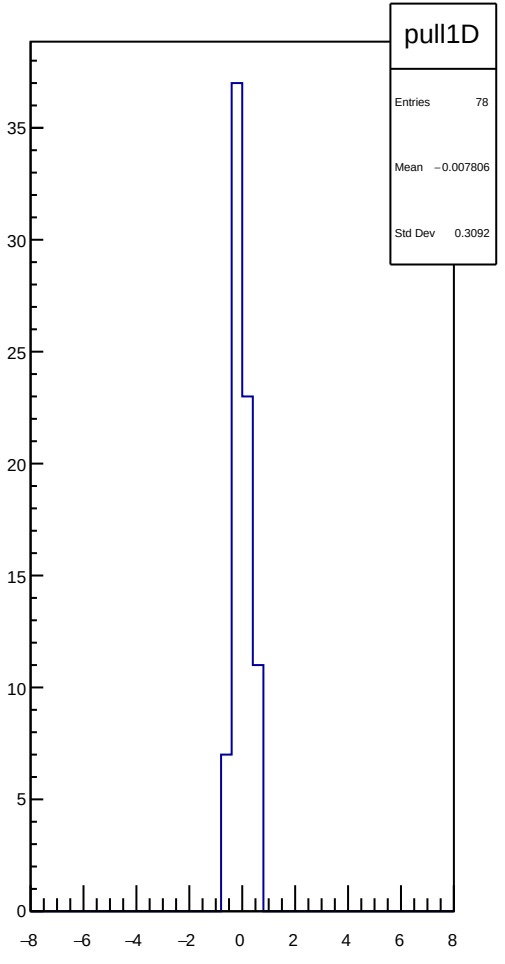

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 22.16 / 77
p0 0.08338 ± 0.01851
pull
Entries 78
Mean −417.4
Std Dev 460.7

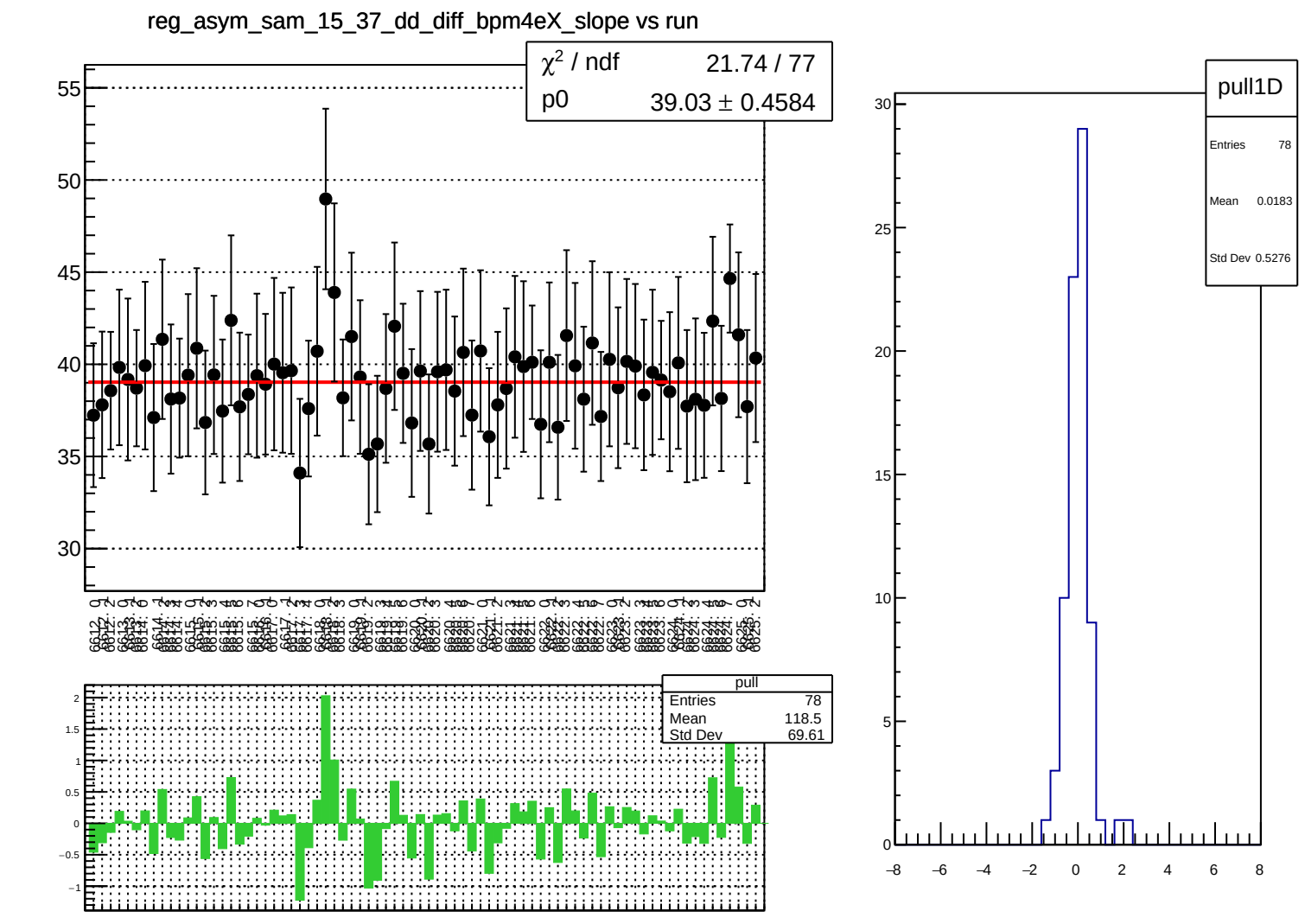

pull1D
Entries 78
Mean 0.01149
Std Dev 0.5329

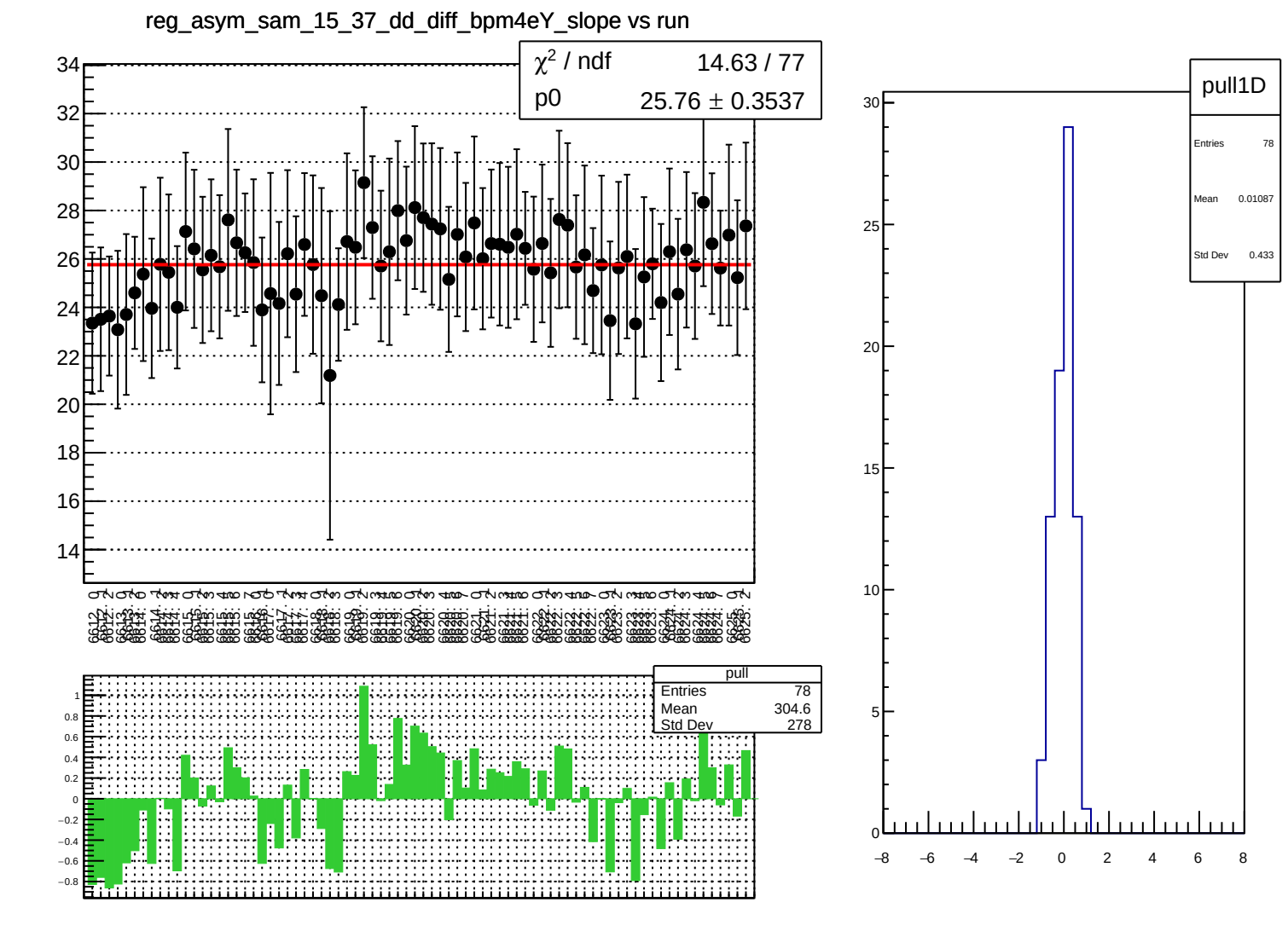

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 15.55 / 77
p0 4.256 ± 0.4299
pull
Entries 78
Mean 208.7
Std Dev 157

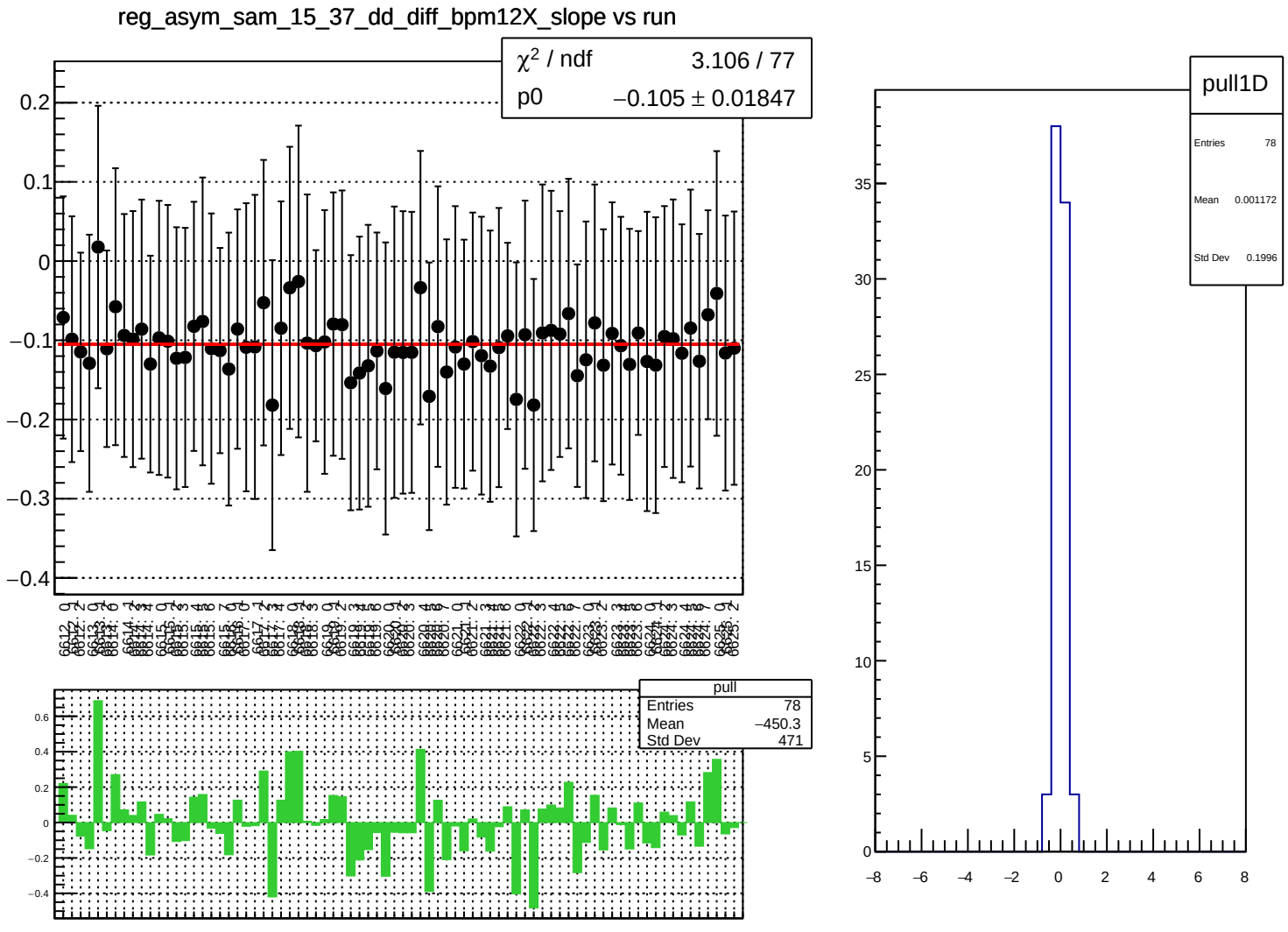

pull1D
Entries 78
Mean −0.01018
Std Dev 0.4463

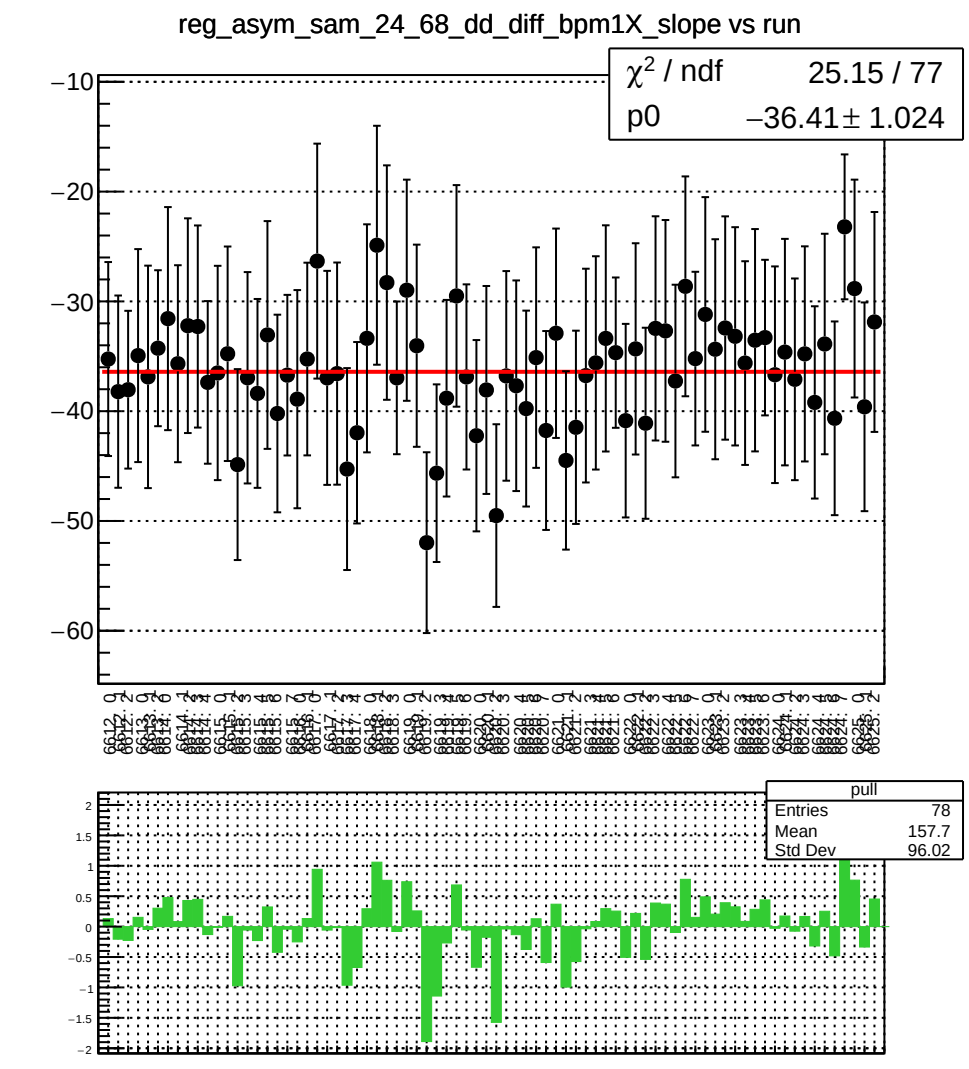

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.461 / 77
p0 −2.215 ± 0.2937
pull
Entries 78
Mean 286.3
Std Dev 258.2

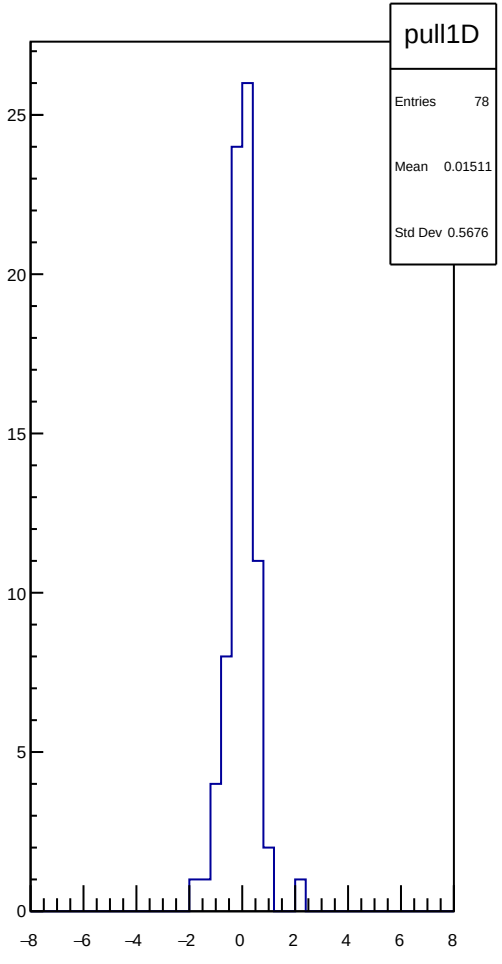

pull1D
Entries 78
Mean −0.007806
Std Dev 0.3092

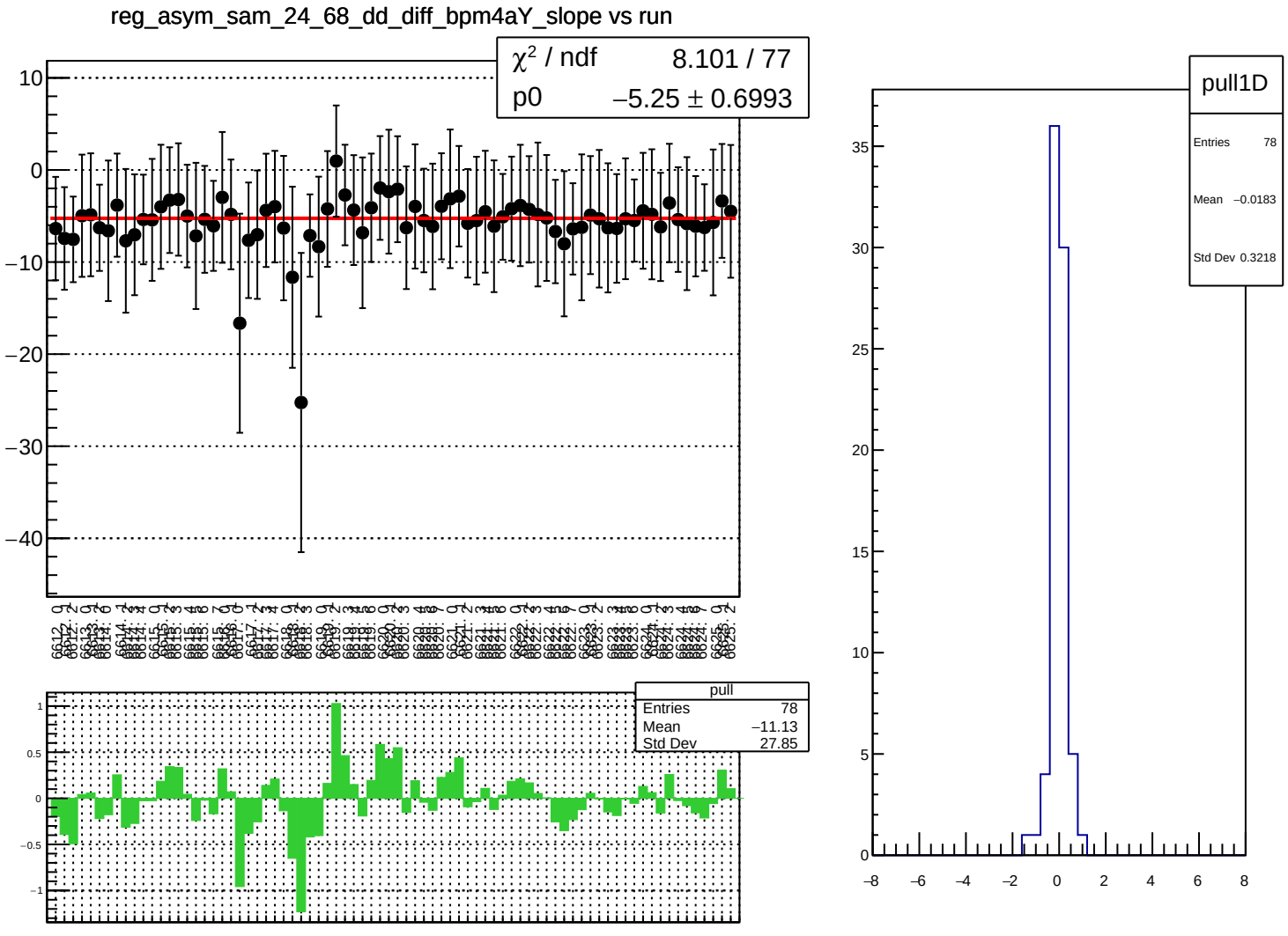

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 21.74 / 77
p0 39.03 ± 0.4584
pull
Entries 78
Mean 118.5
Std Dev 69.61
pull1D
Entries 78
Mean 0.0183
Std Dev 0.5276

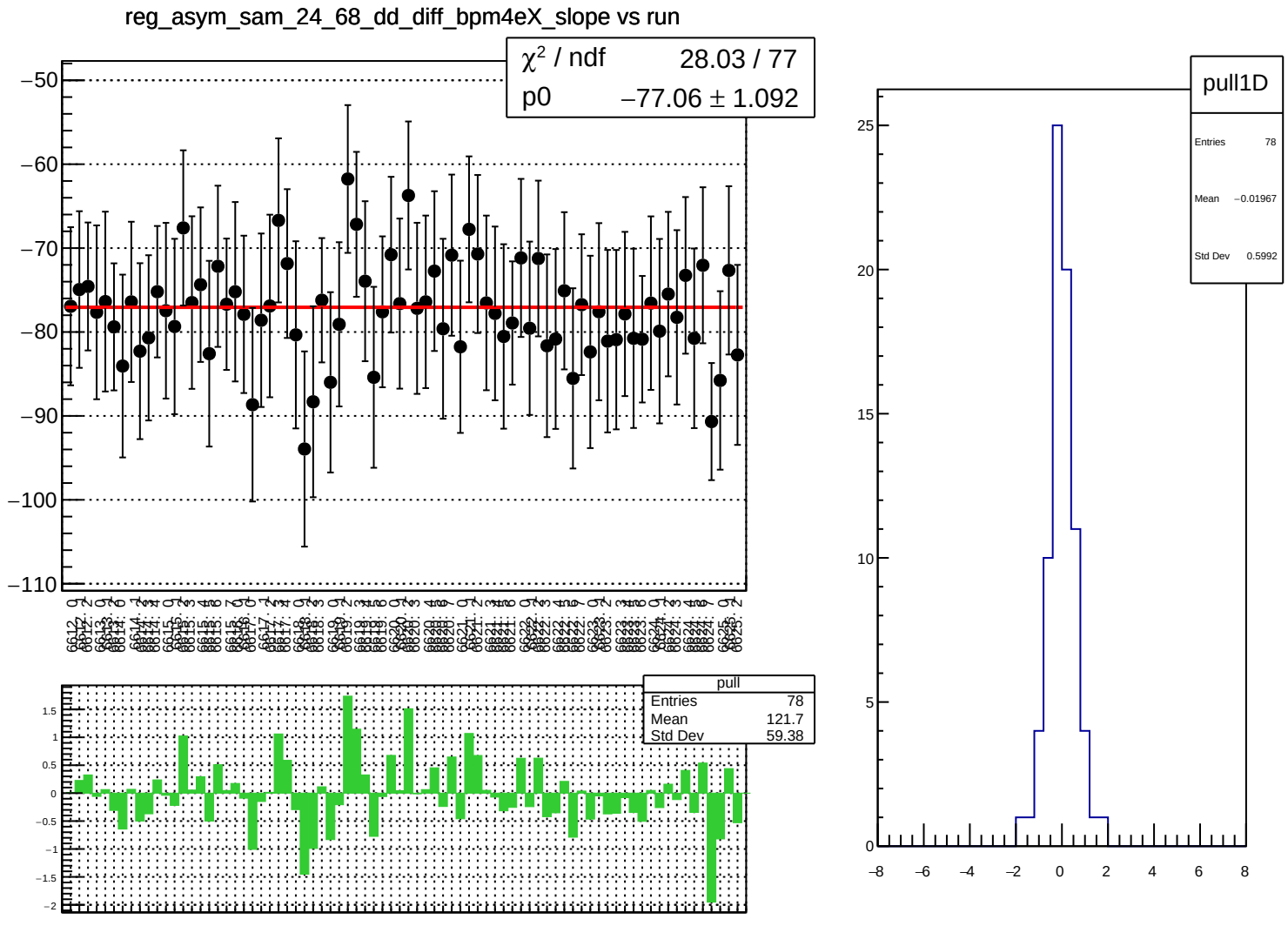

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.63 / 77
p0 25.76 ± 0.3537
pull
Entries 78
Mean 304.6
Std Dev 278
pull1D
Entries 78
Mean 0.01087
Std Dev 0.433

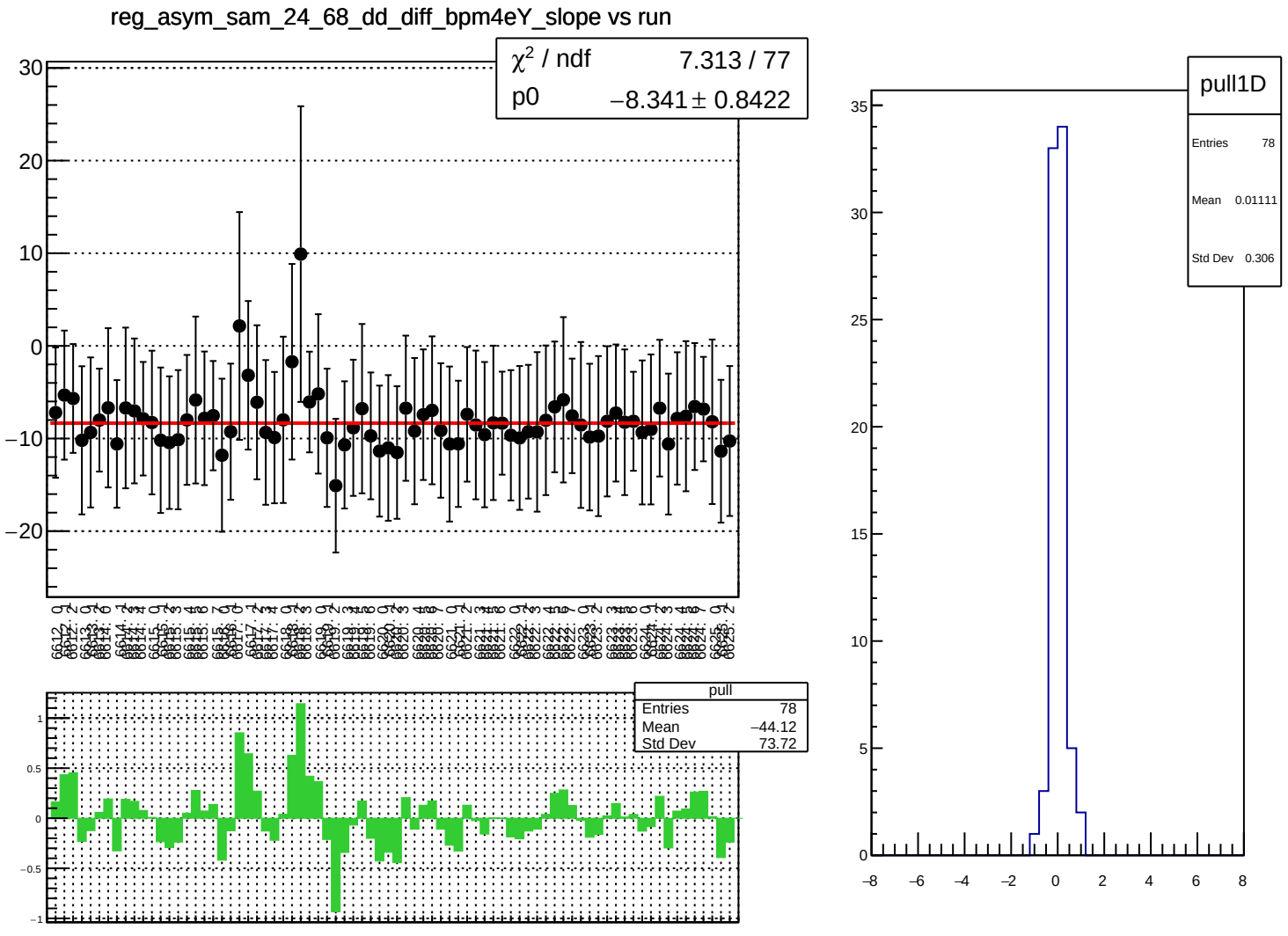

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 3.106 / 77
p0 −0.105 ± 0.01847
pull
Entries 78
Mean −450.3
Std Dev 471
pull1D
Entries 78
Mean 0.001172
Std Dev 0.1996

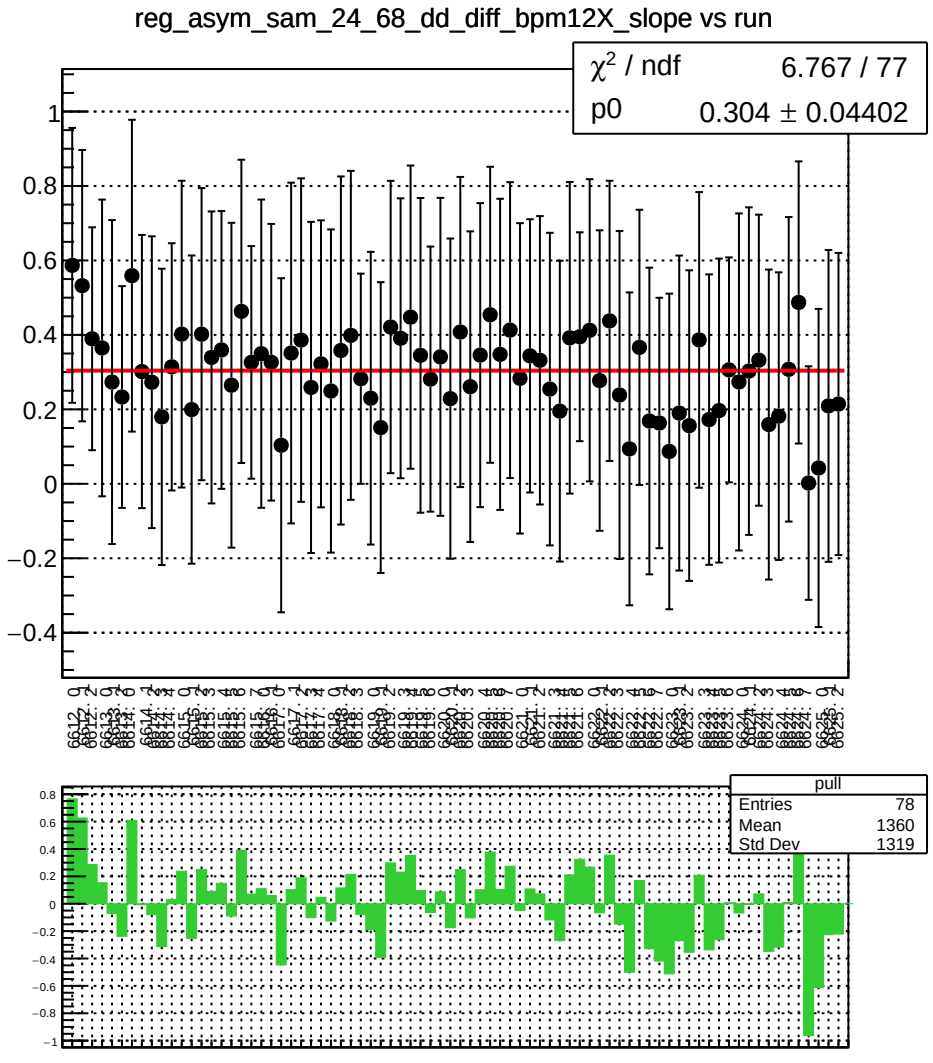

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 25.15 / 77
p0 −36.41 ± 1.024
pull
Entries 78
Mean 157.7
Std Dev 96.02

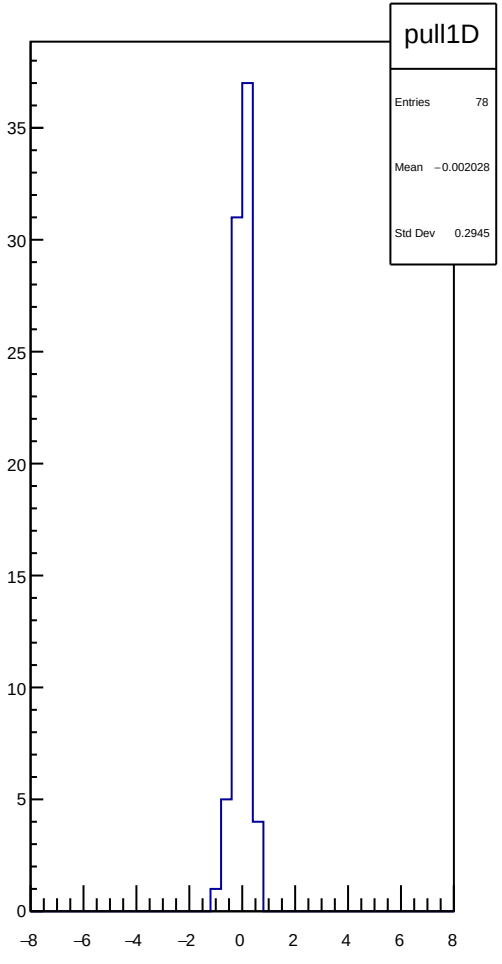

pull1D
Entries 78
Mean 0.01511
Std Dev 0.5676

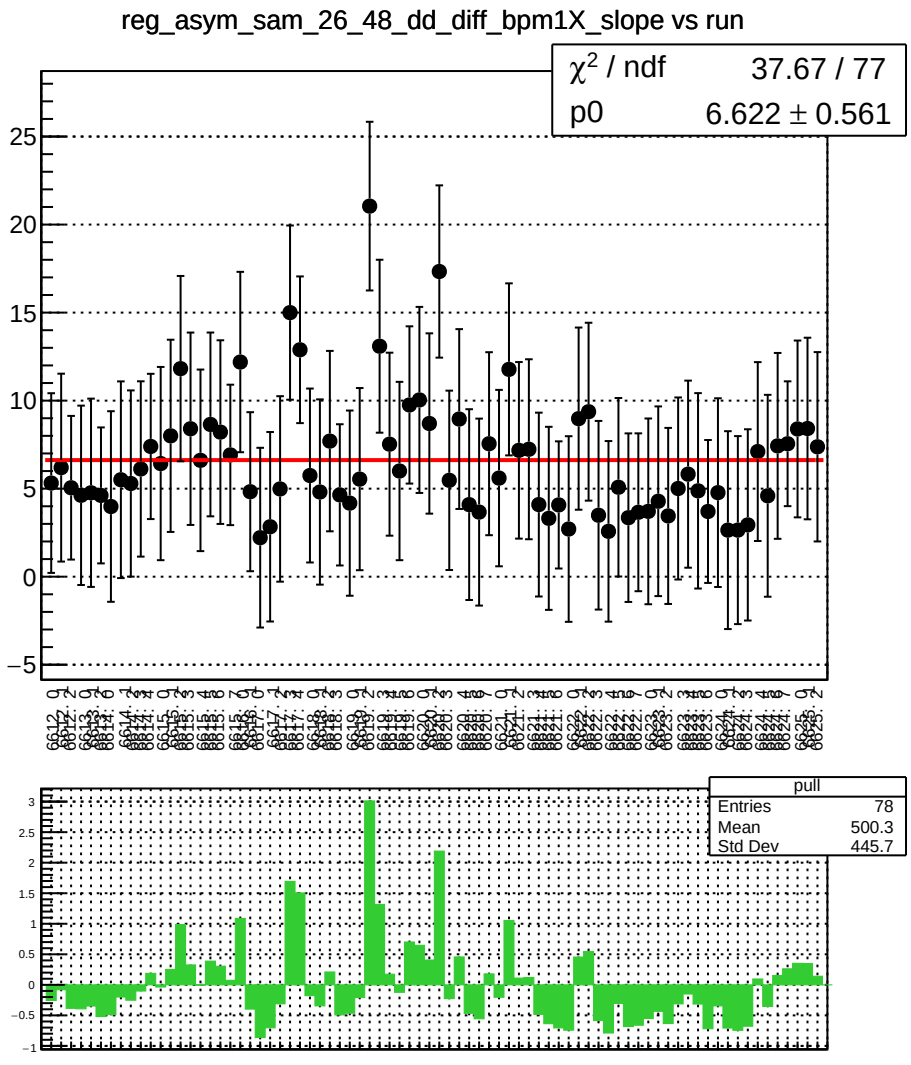

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.101 / 77
p0 −5.25 ± 0.6993
pull
Entries 78
Mean −11.13
Std Dev 27.85
pull1D
Entries 78
Mean −0.0183
Std Dev 0.3218

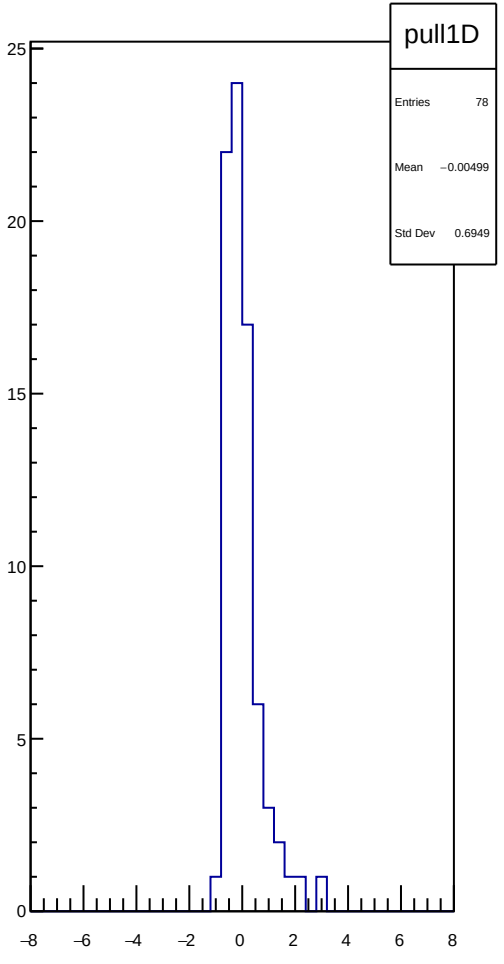

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 28.03 / 77
p0 −77.06 ± 1.092
pull
Entries 78
Mean 121.7
Std Dev 59.38
pull1D
Entries 78
Mean −0.01967
Std Dev 0.5992

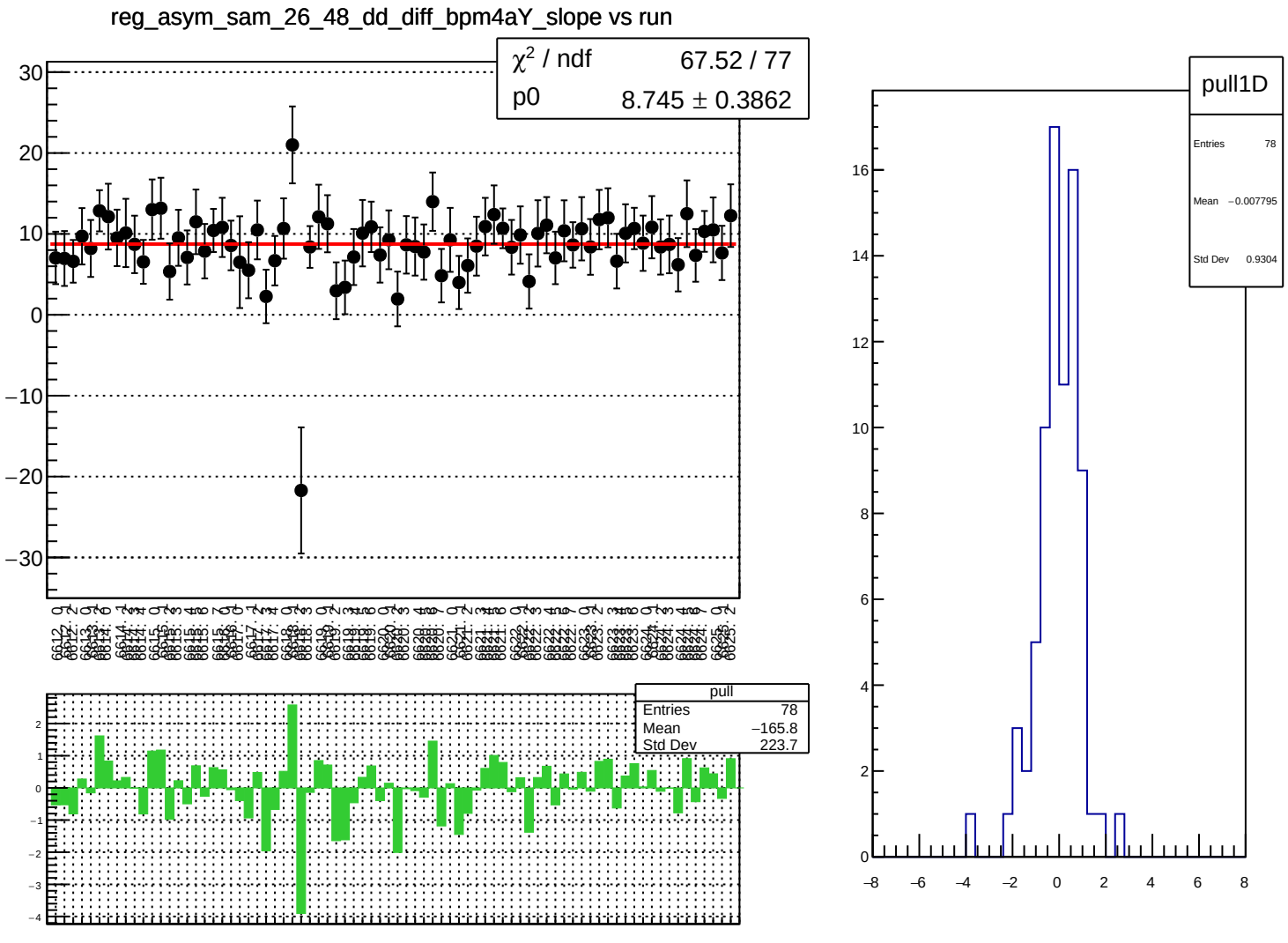

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.313 / 77
p0 −8.341 ± 0.8422
pull
Entries 78
Mean −44.12
Std Dev 73.72
pull1D
Entries 78
Mean 0.01111
Std Dev 0.306

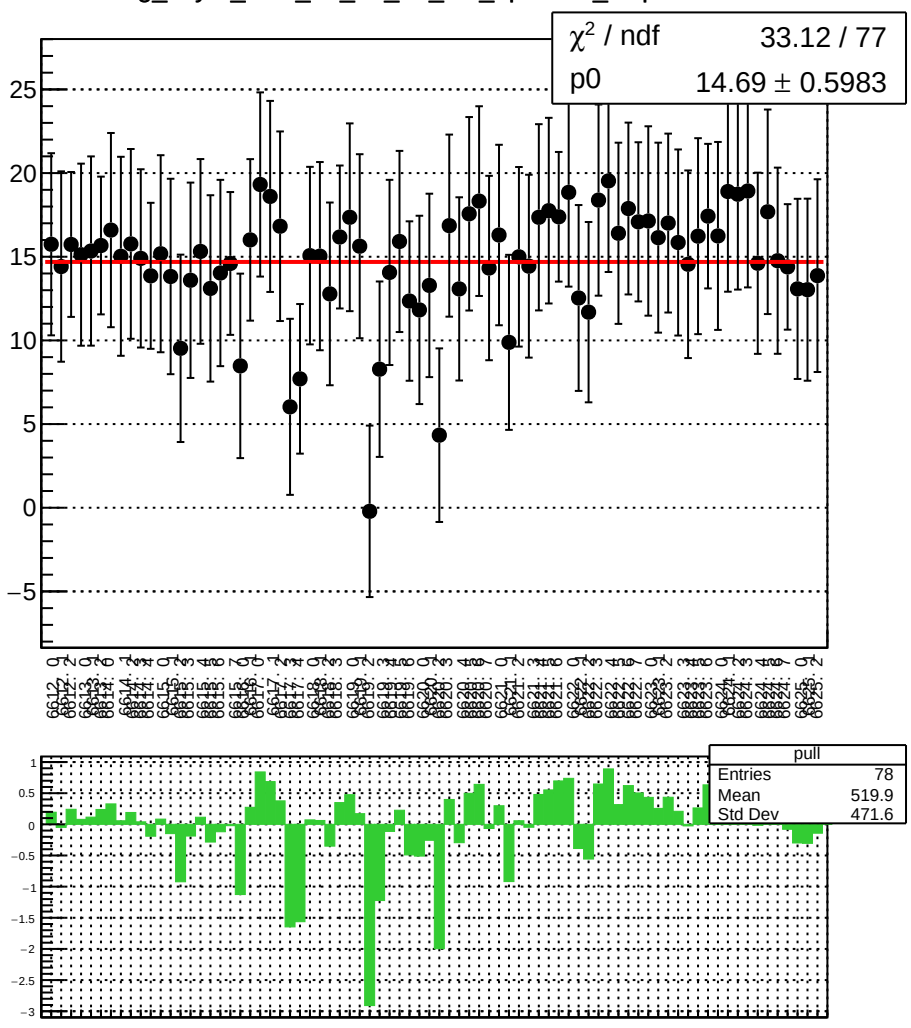

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 6.767 / 77
p0 0.304 ± 0.04402
pull
Entries 78
Mean 1360
Std Dev 1319

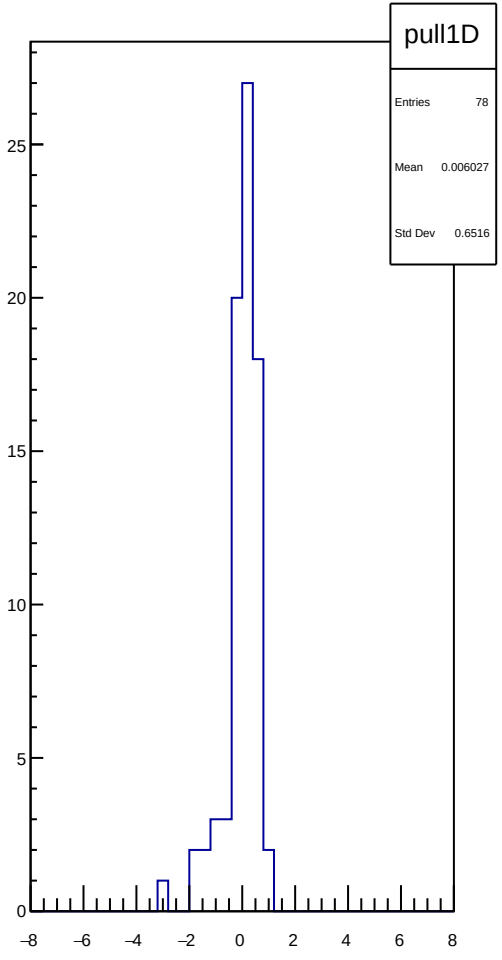

pull1D
Entries 78
Mean −0.002028
Std Dev 0.2945

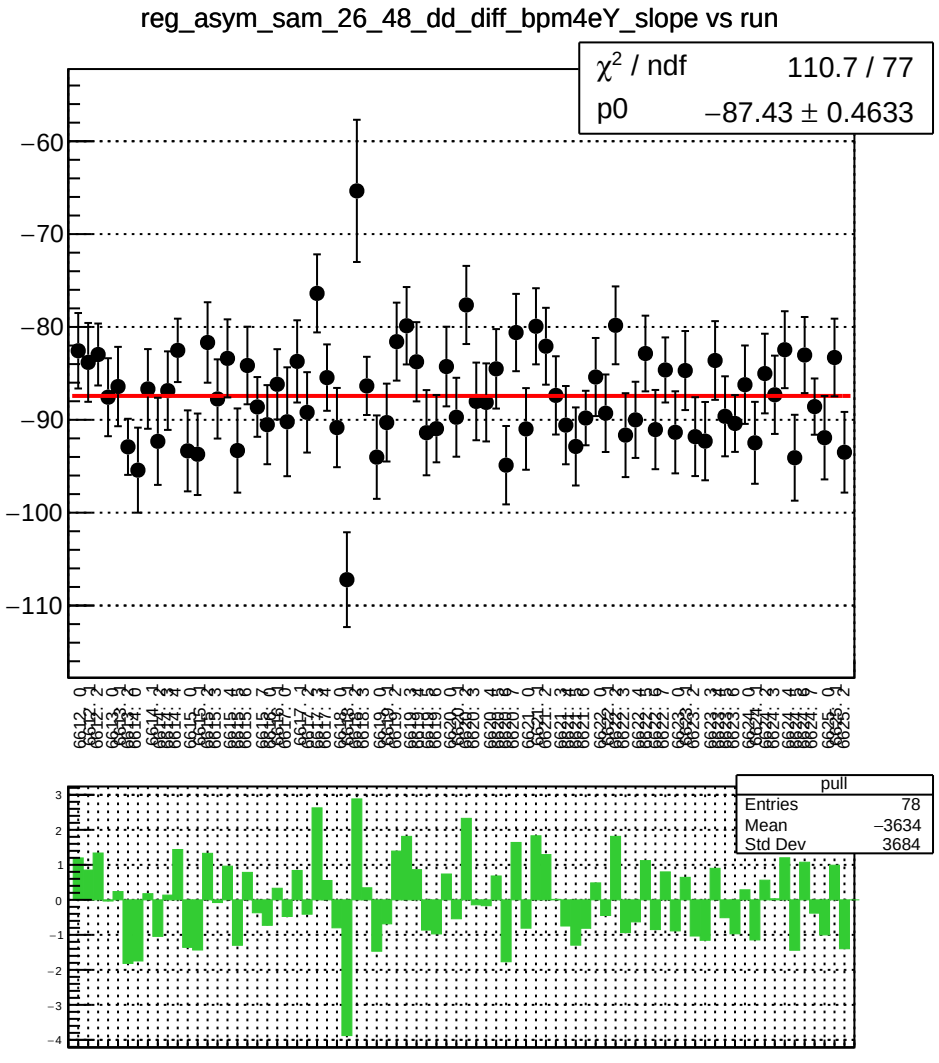

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 37.67 / 77
p0 6.622 ± 0.561
pull
Entries 78
Mean 500.3
Std Dev 445.7

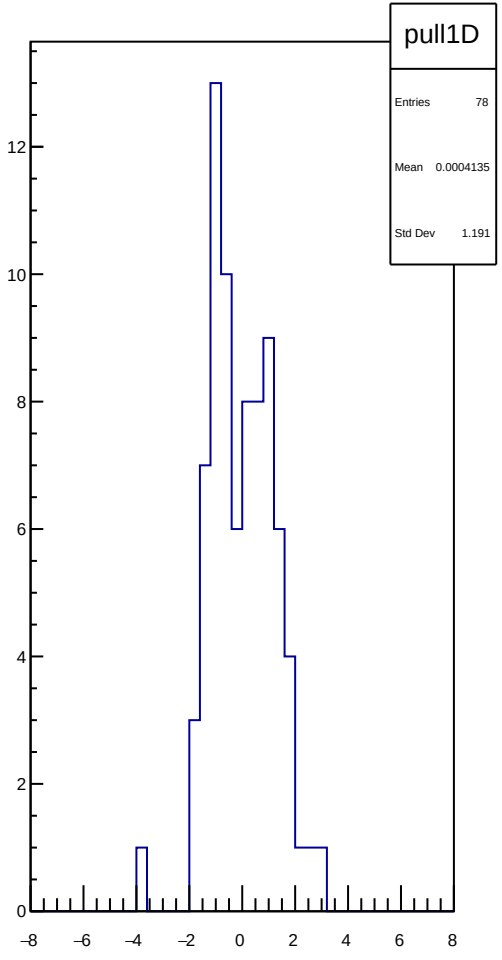

pull1D
Entries 78
Mean −0.00499
Std Dev 0.6949

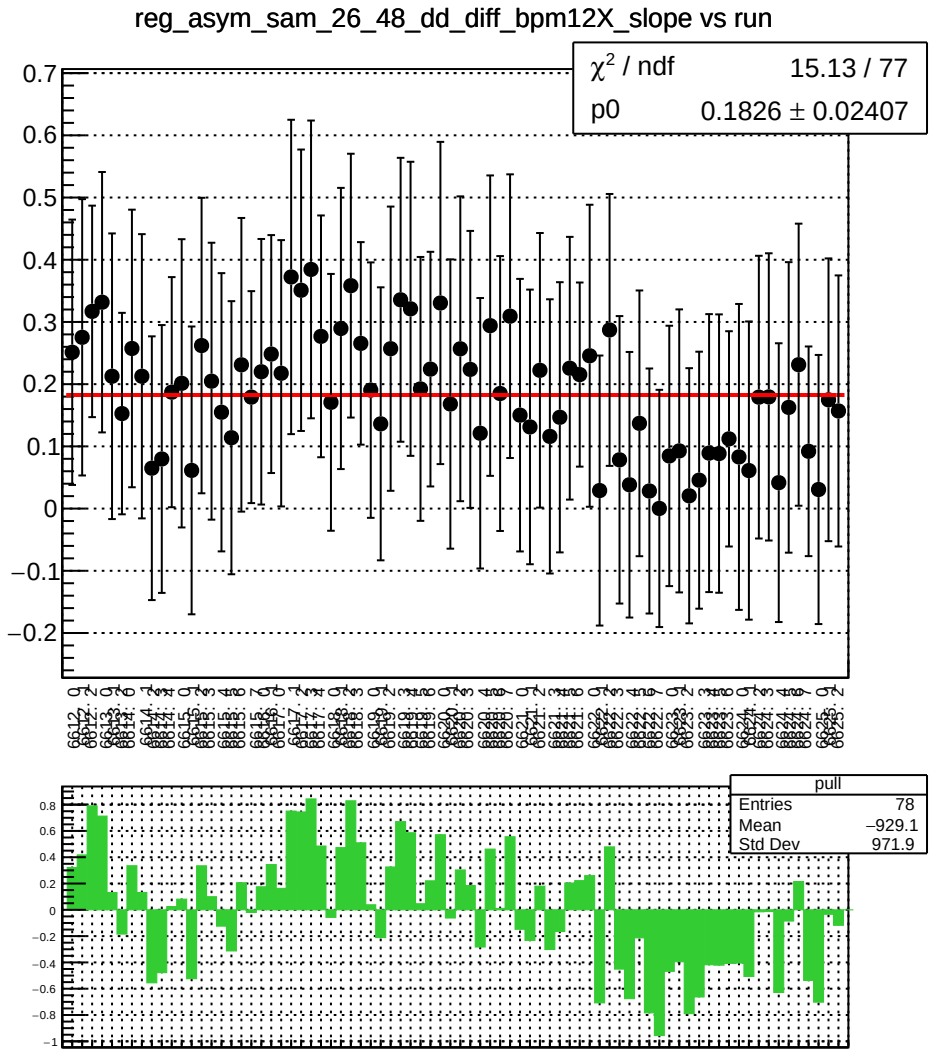

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 67.52 / 77
p0 8.745 ± 0.3862
pull
Entries 78
Mean −165.8
Std Dev 223.7
pull1D
Entries 78
Mean −0.007795
Std Dev 0.9304

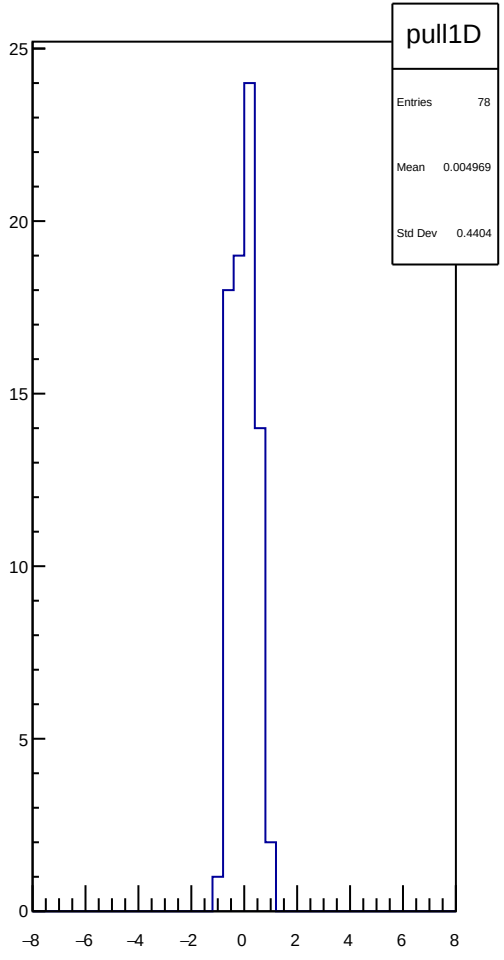

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 33.12 / 77
p0 14.69 ± 0.5983
pull
Entries 78
Mean 519.9
Std Dev 471.6

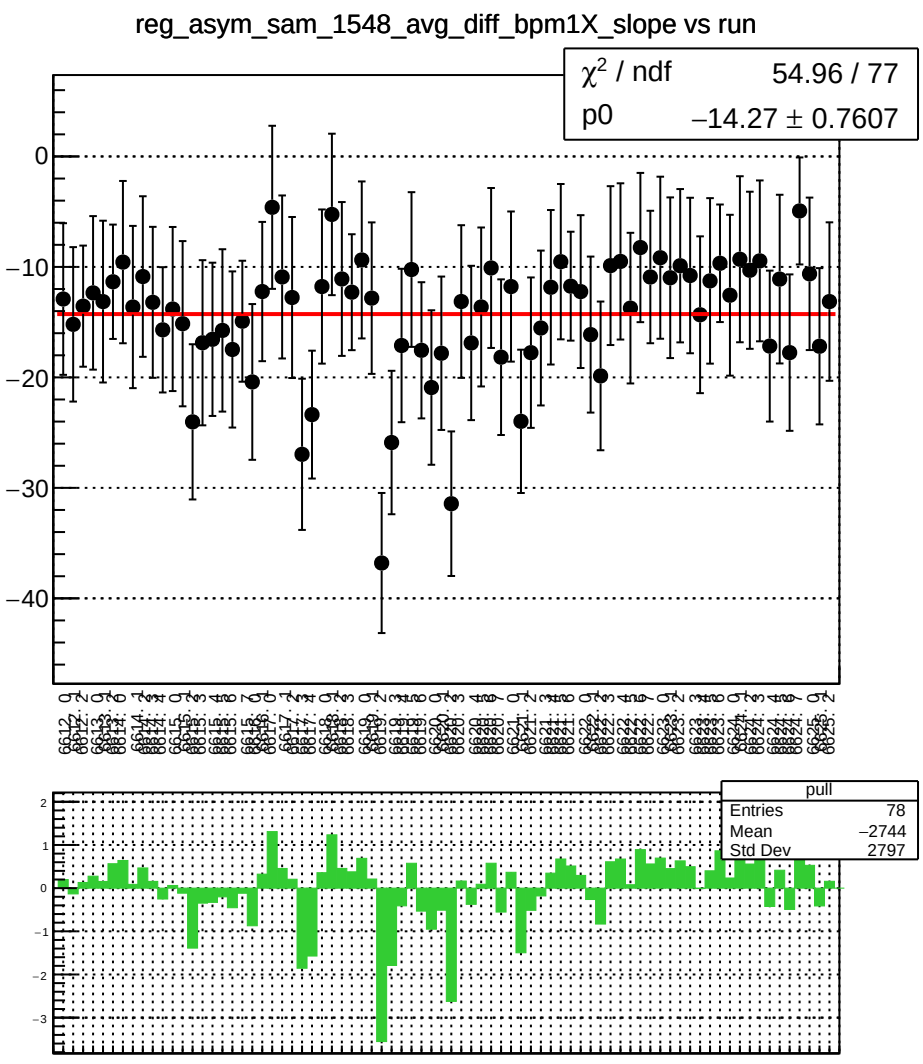

pull1D
Entries 78
Mean 0.006027
Std Dev 0.6516

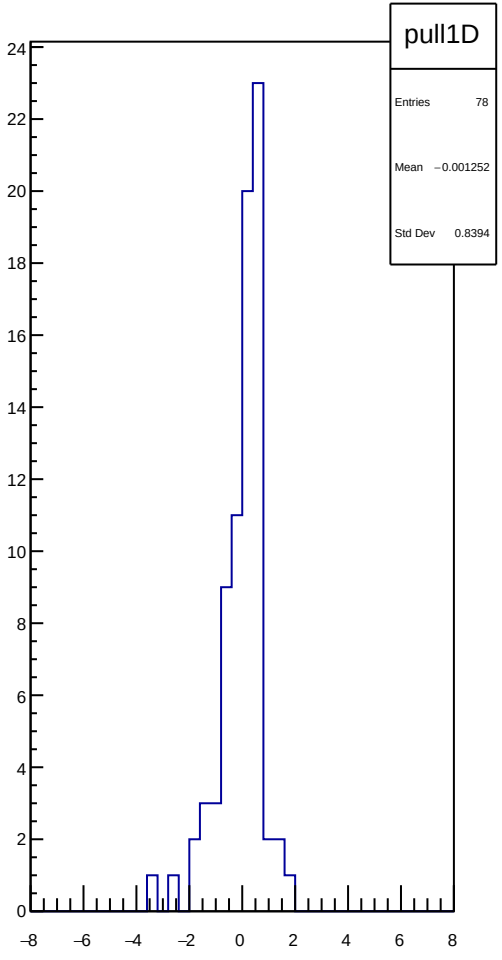

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 110.7 / 77
p0 −87.43 ± 0.4633
pull
Entries 78
Mean −3634
Std Dev 3684

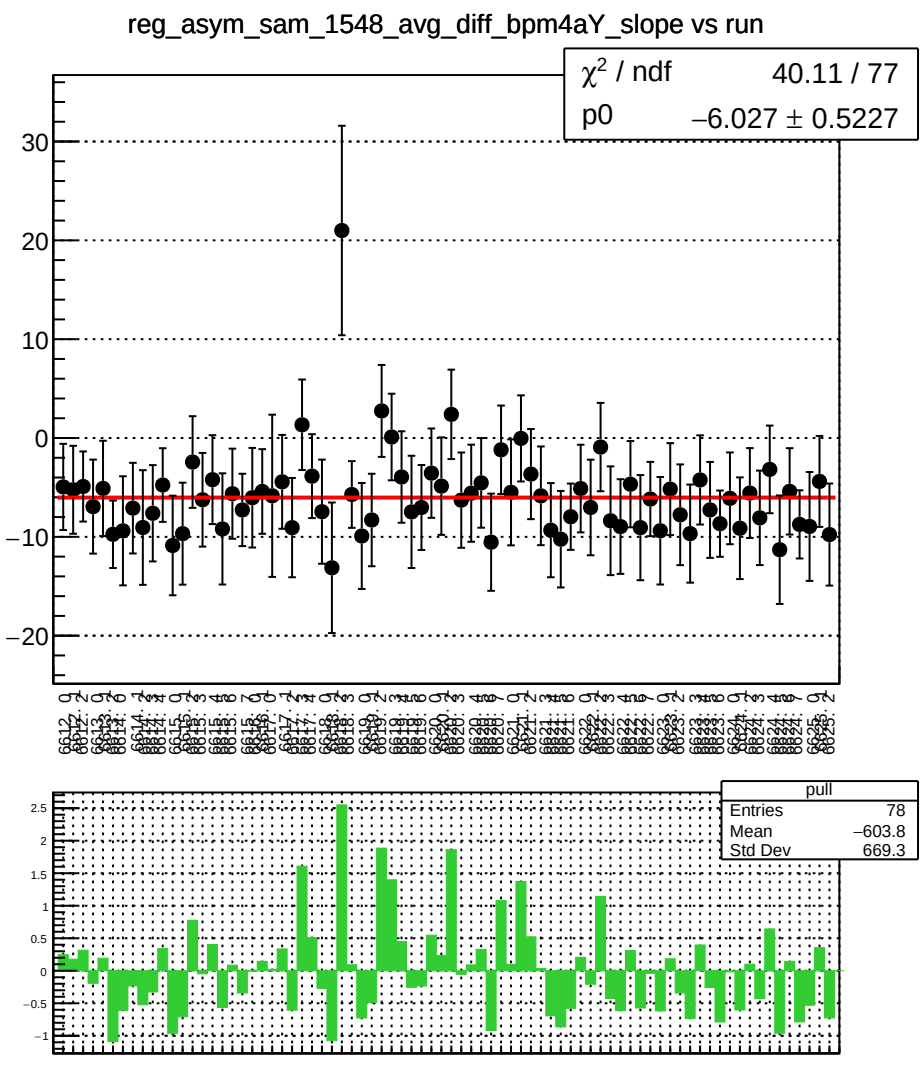

pull1D
Entries 78
Mean 0.0004135
Std Dev 1.191

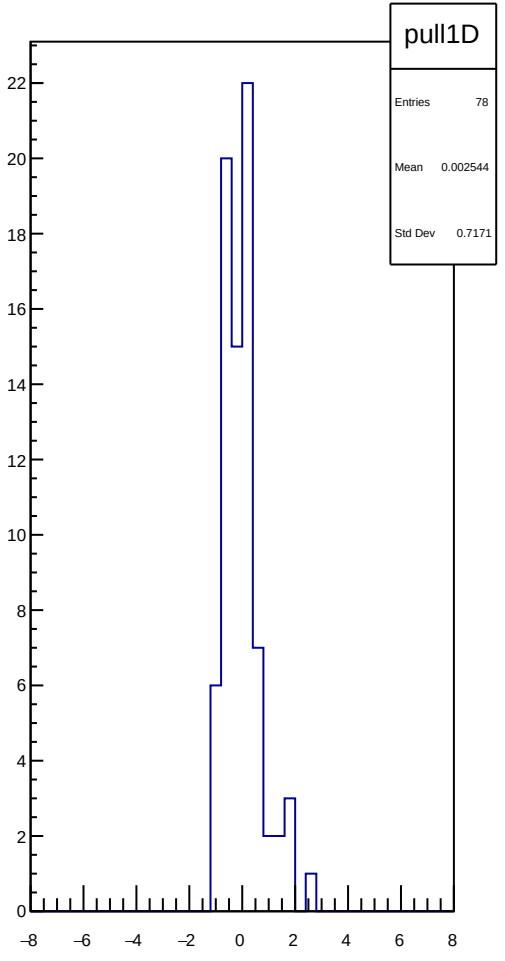

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 15.13 / 77
p0 0.1826 ± 0.02407
pull
Entries 78
Mean −929.1
Std Dev 971.9

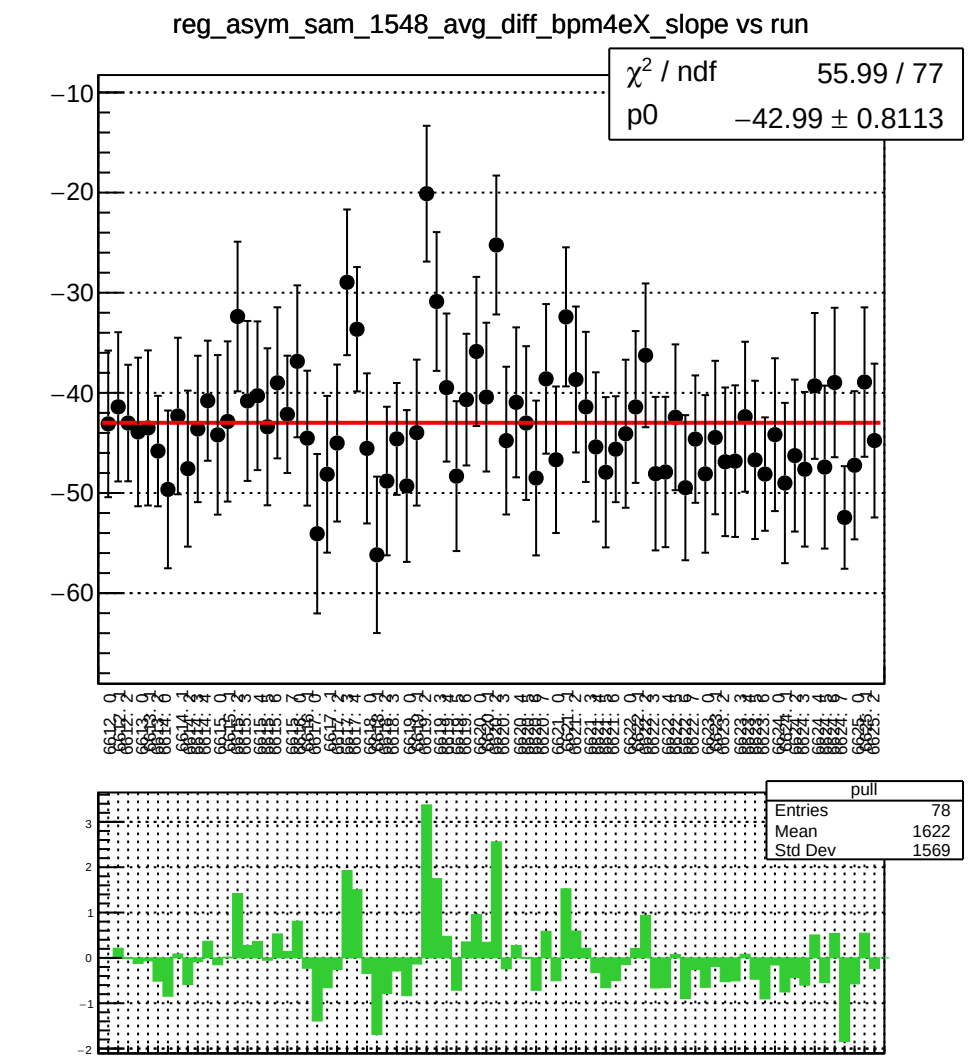

pull1D
Entries 78
Mean 0.004969
Std Dev 0.4404

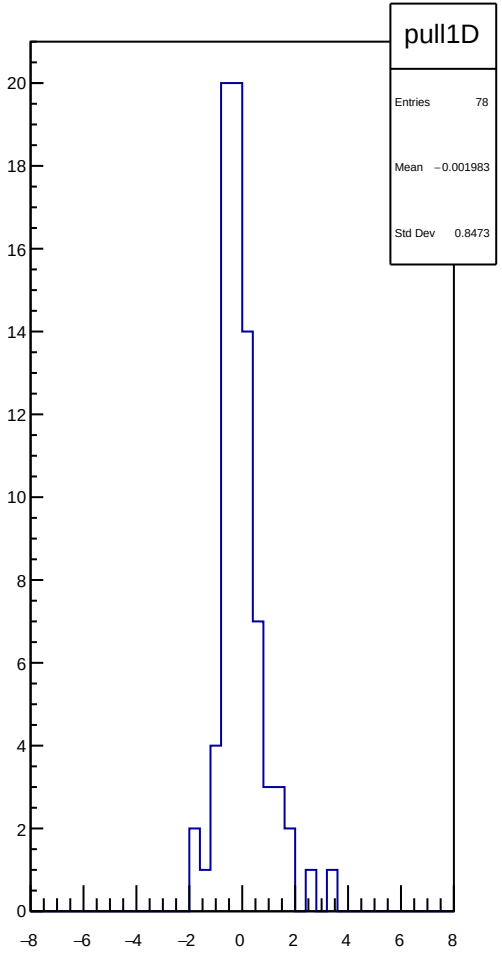

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 54.96 / 77
p0 −14.27 ± 0.7607
pull
Entries 78
Mean −2744
Std Dev 2797

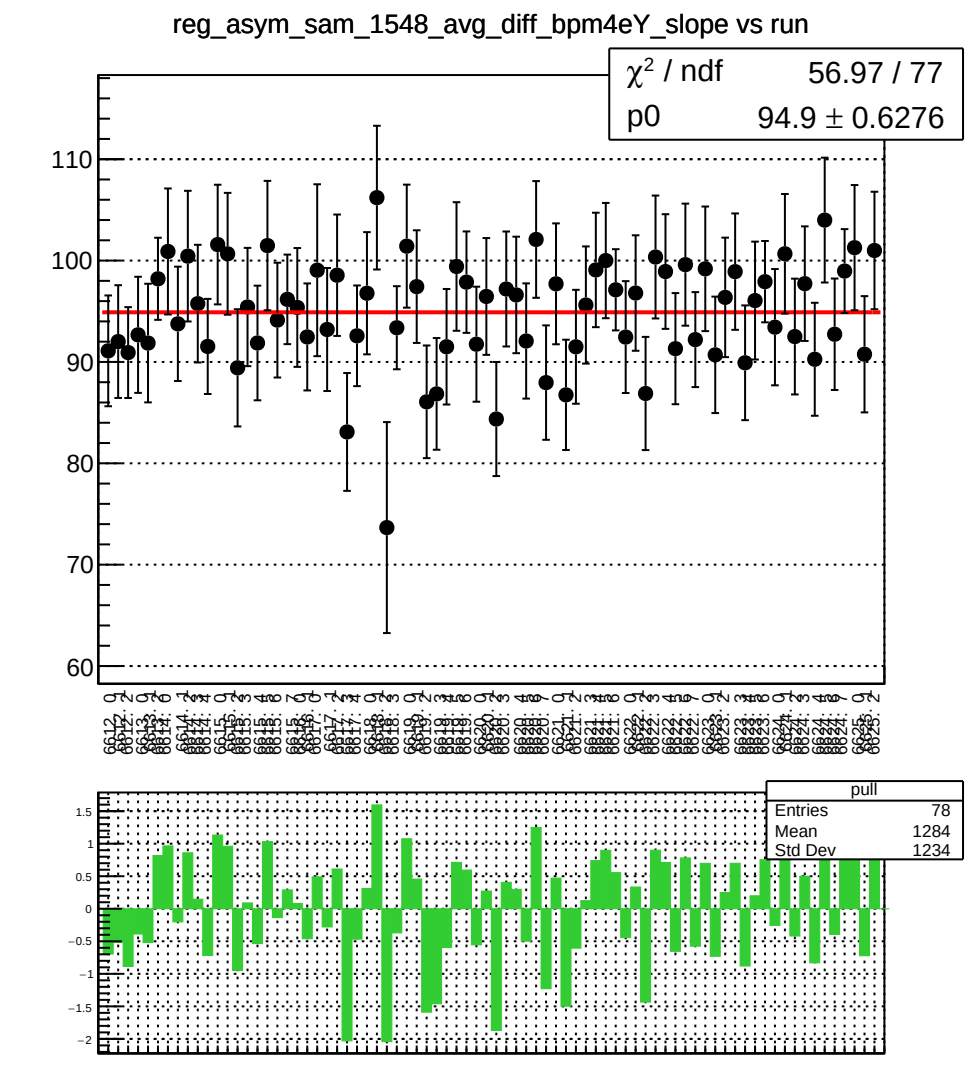

pull1D
Entries 78
Mean −0.001252
Std Dev 0.8394

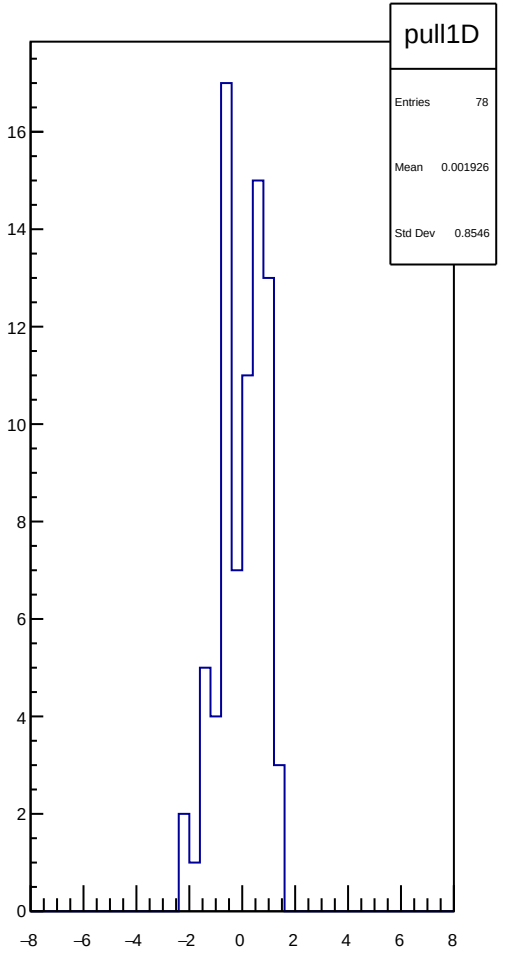

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 40.11 / 77
p0 −6.027 ± 0.5227
pull
Entries 78
Mean −603.8
Std Dev 669.3

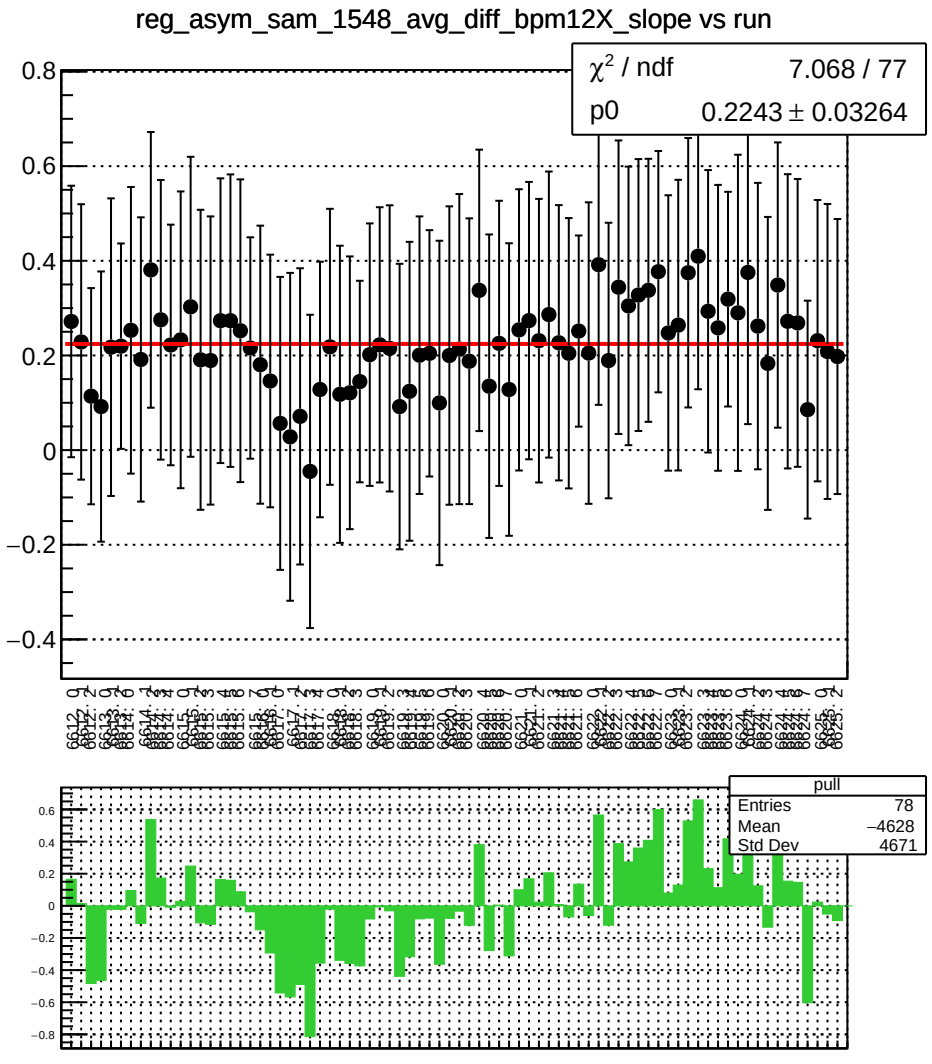

pull1D
Entries 78
Mean 0.002544
Std Dev 0.7171

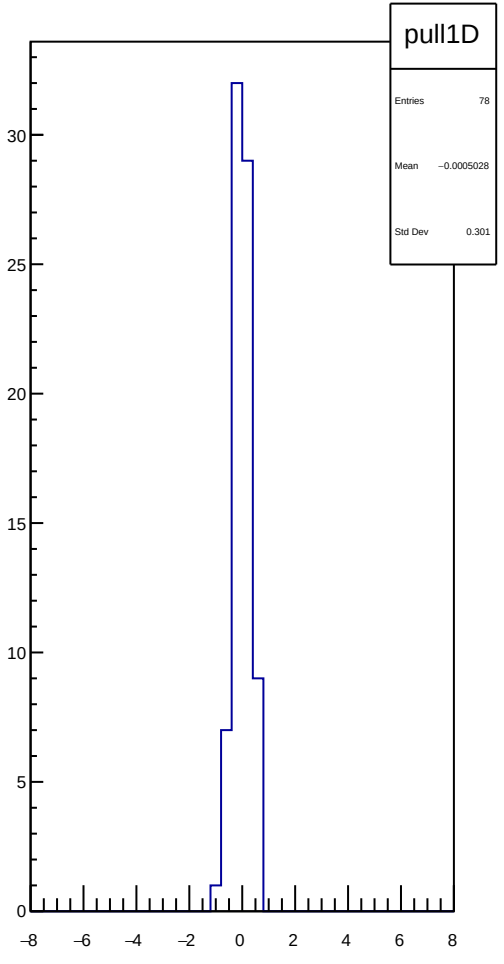

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 55.99 / 77
p0 −42.99 ± 0.8113
pull
Entries 78
Mean 1622
Std Dev 1569

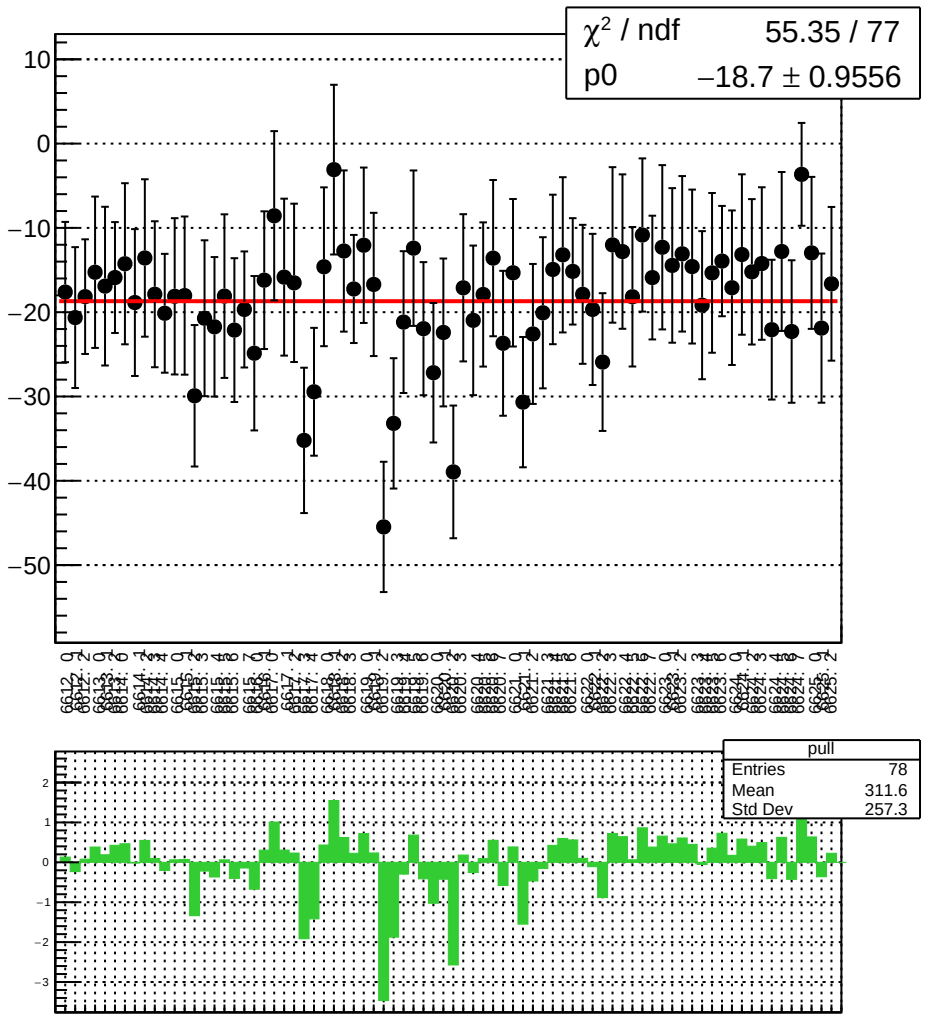

pull1D
Entries 78
Mean −0.001983
Std Dev 0.8473

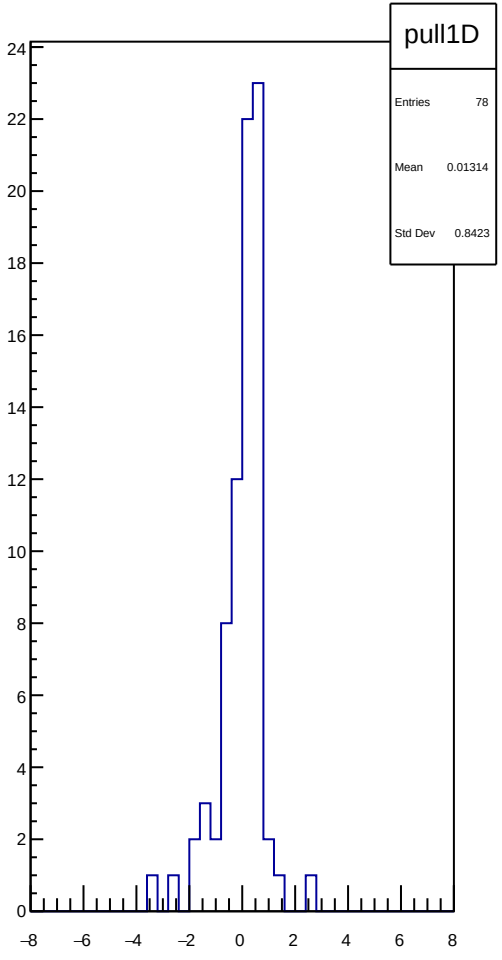

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 56.97 / 77
p0 94.9 ± 0.6276
pull
Entries 78
Mean 1284
Std Dev 1234

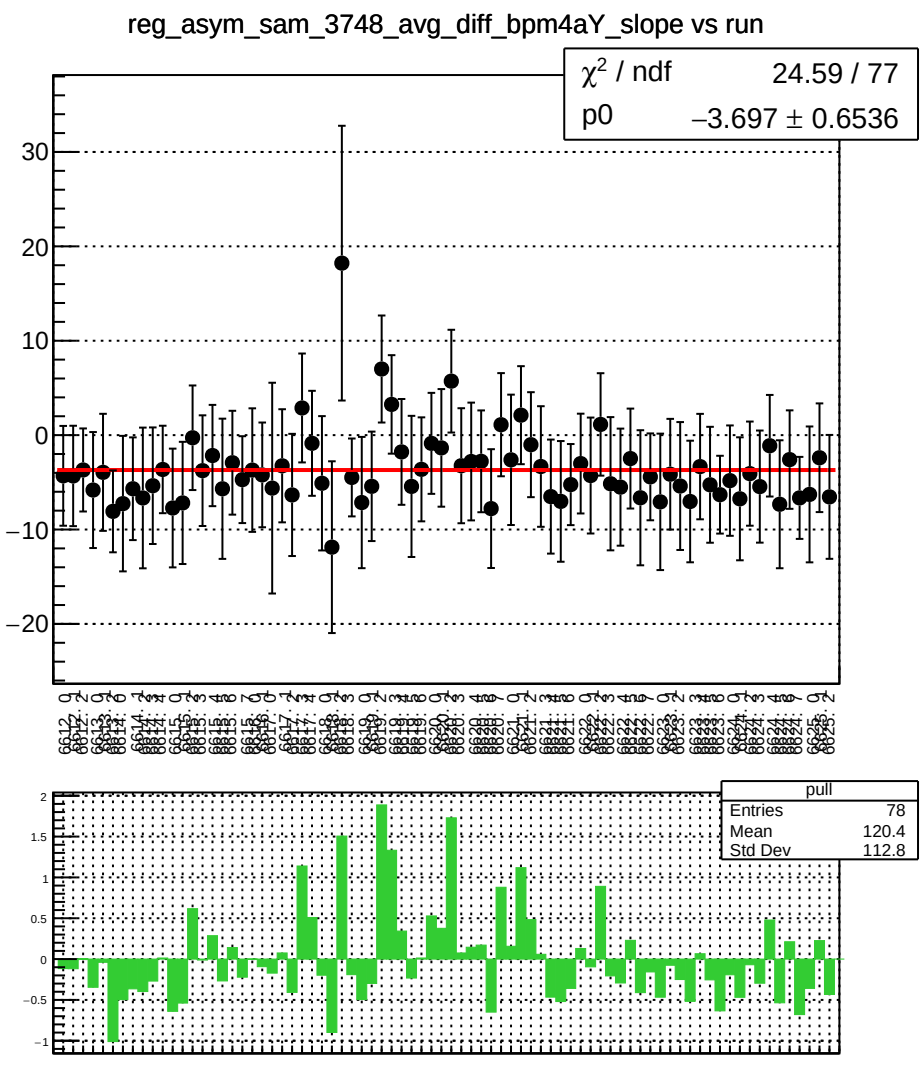

pull1D
Entries 78
Mean 0.001926
Std Dev 0.8546

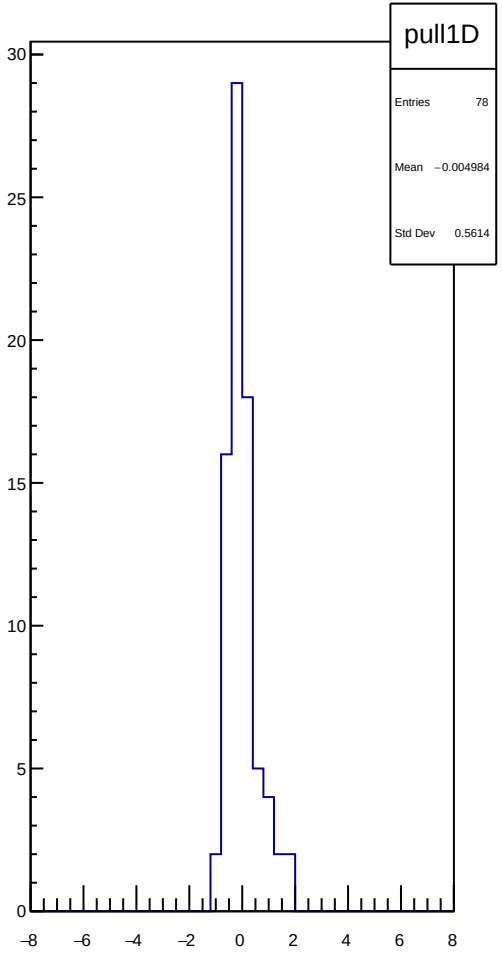

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 7.068 / 77
p0 0.2243 ± 0.03264
pull
Entries 78
Mean −4628
Std Dev 4671

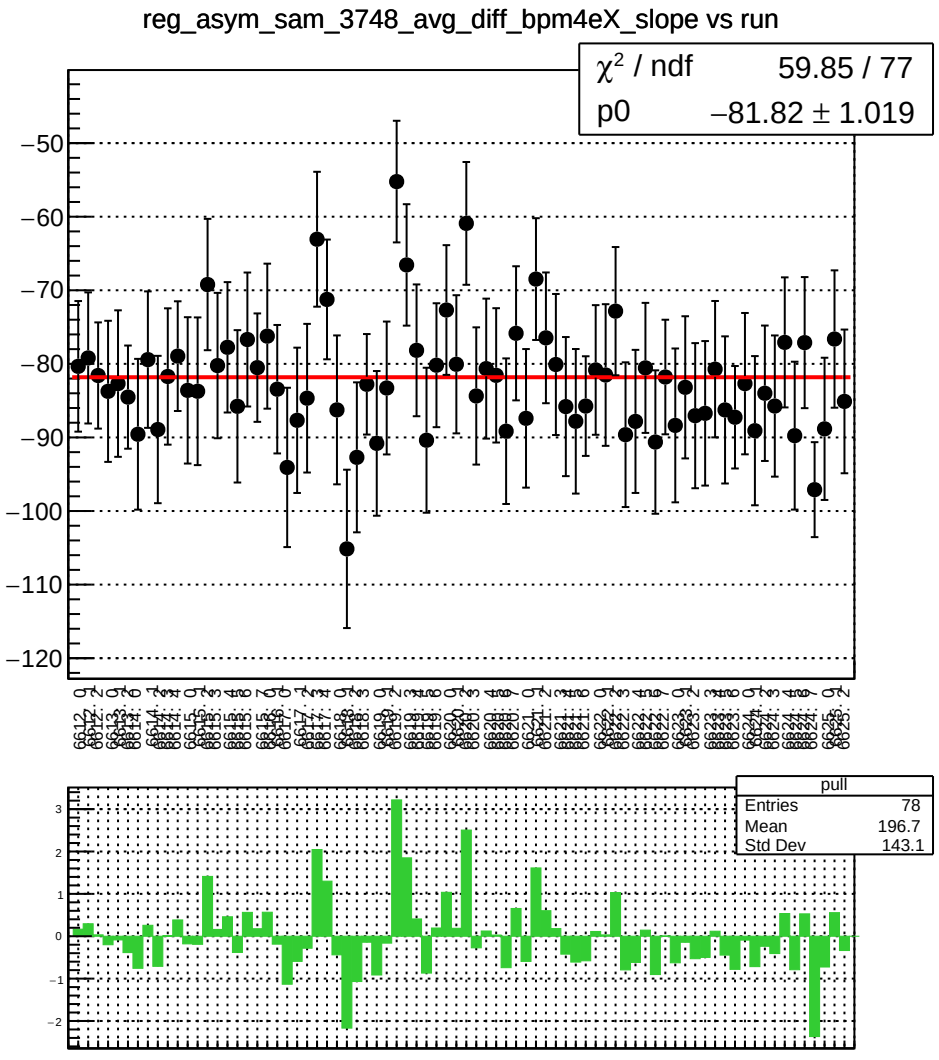

pull1D
Entries 78
Mean −0.0005028
Std Dev 0.301

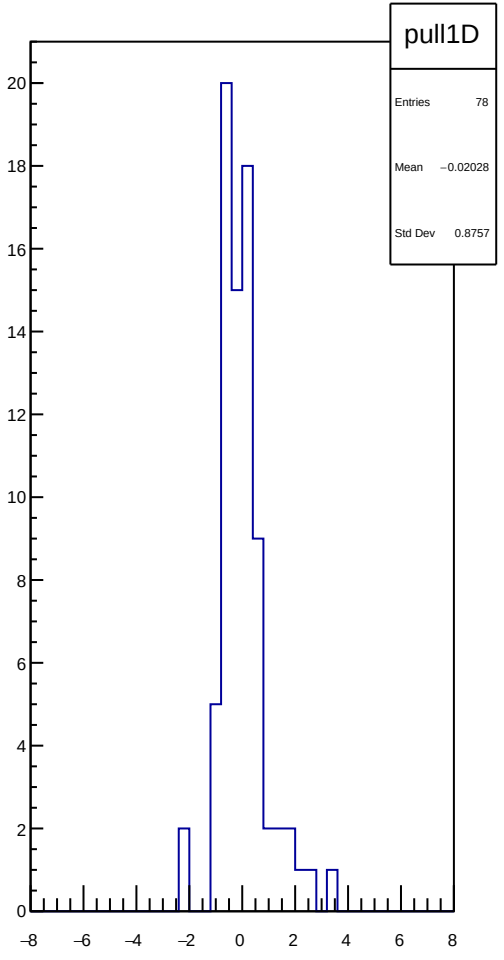

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 55.35 / 77
p0 −18.7 ± 0.9556
pull
Entries 78
Mean 311.6
Std Dev 257.3

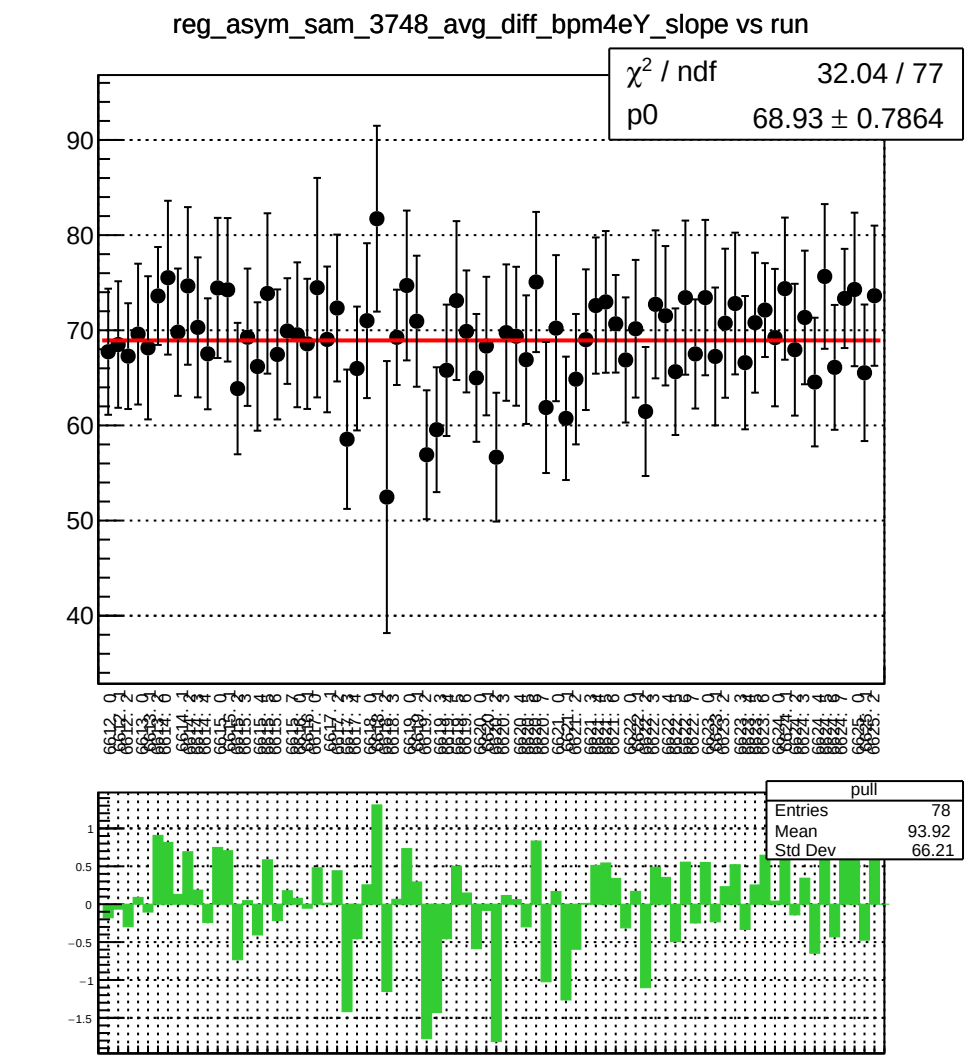

pull1D
Entries 78
Mean 0.01314
Std Dev 0.8423

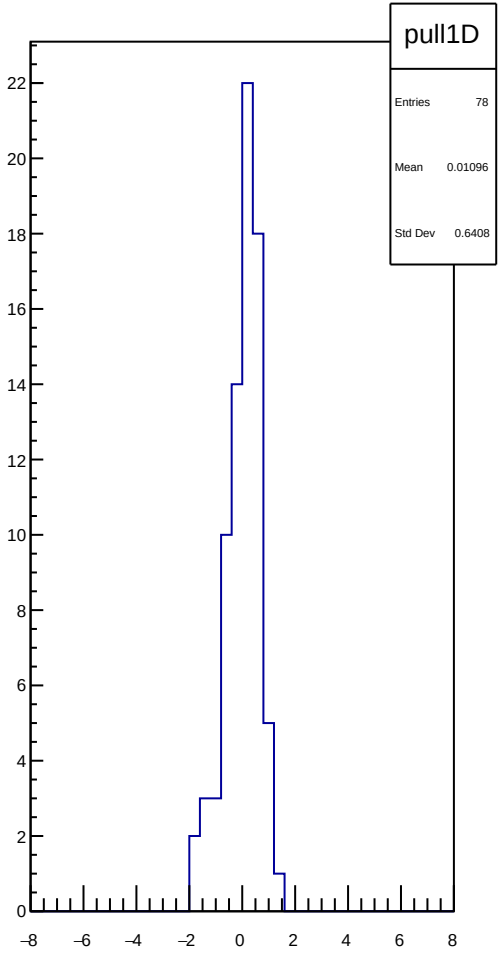

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 24.59 / 77
p0 −3.697 ± 0.6536
pull
Entries 78
Mean 120.4
Std Dev 112.8

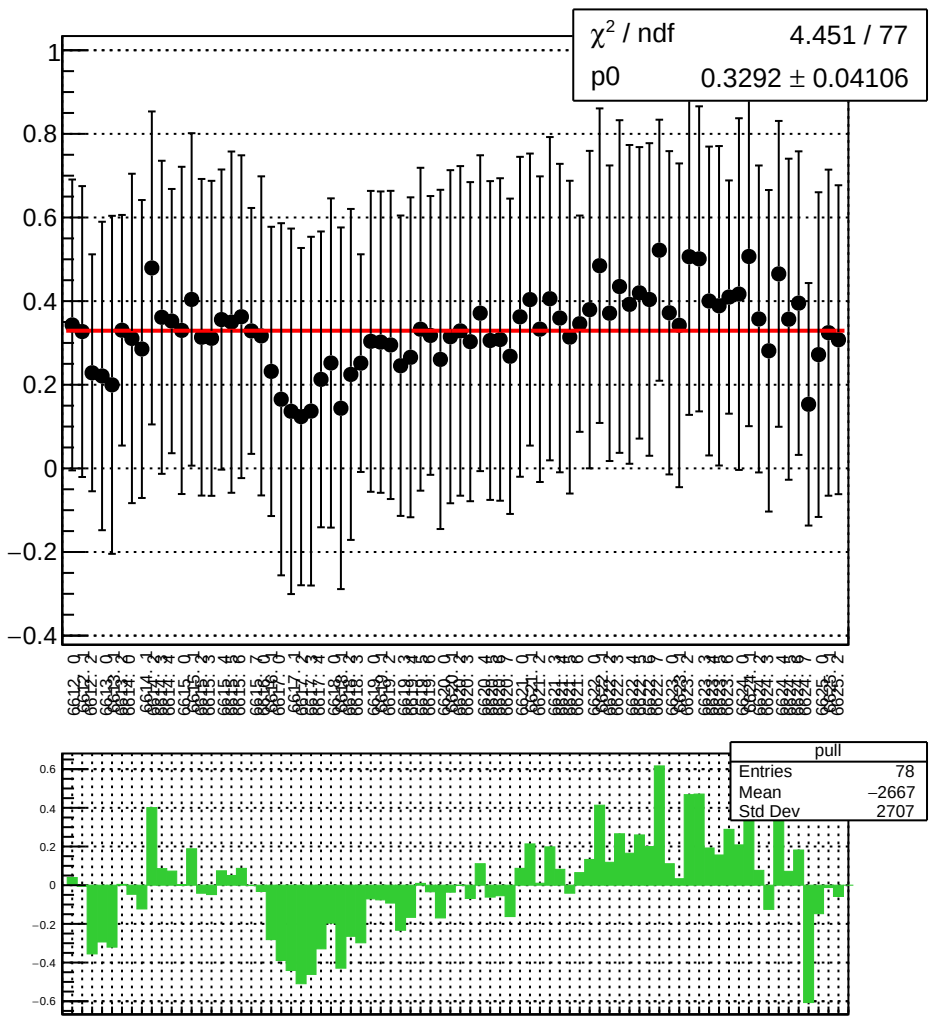

pull1D
Entries 78
Mean −0.004984
Std Dev 0.5614

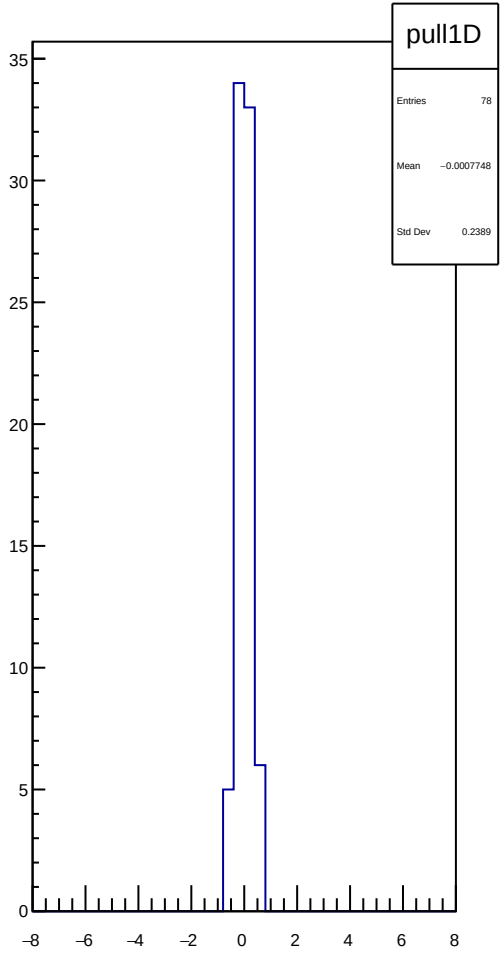

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 59.85 / 77
p0 −81.82 ± 1.019
pull
Entries 78
Mean 196.7
Std Dev 143.1

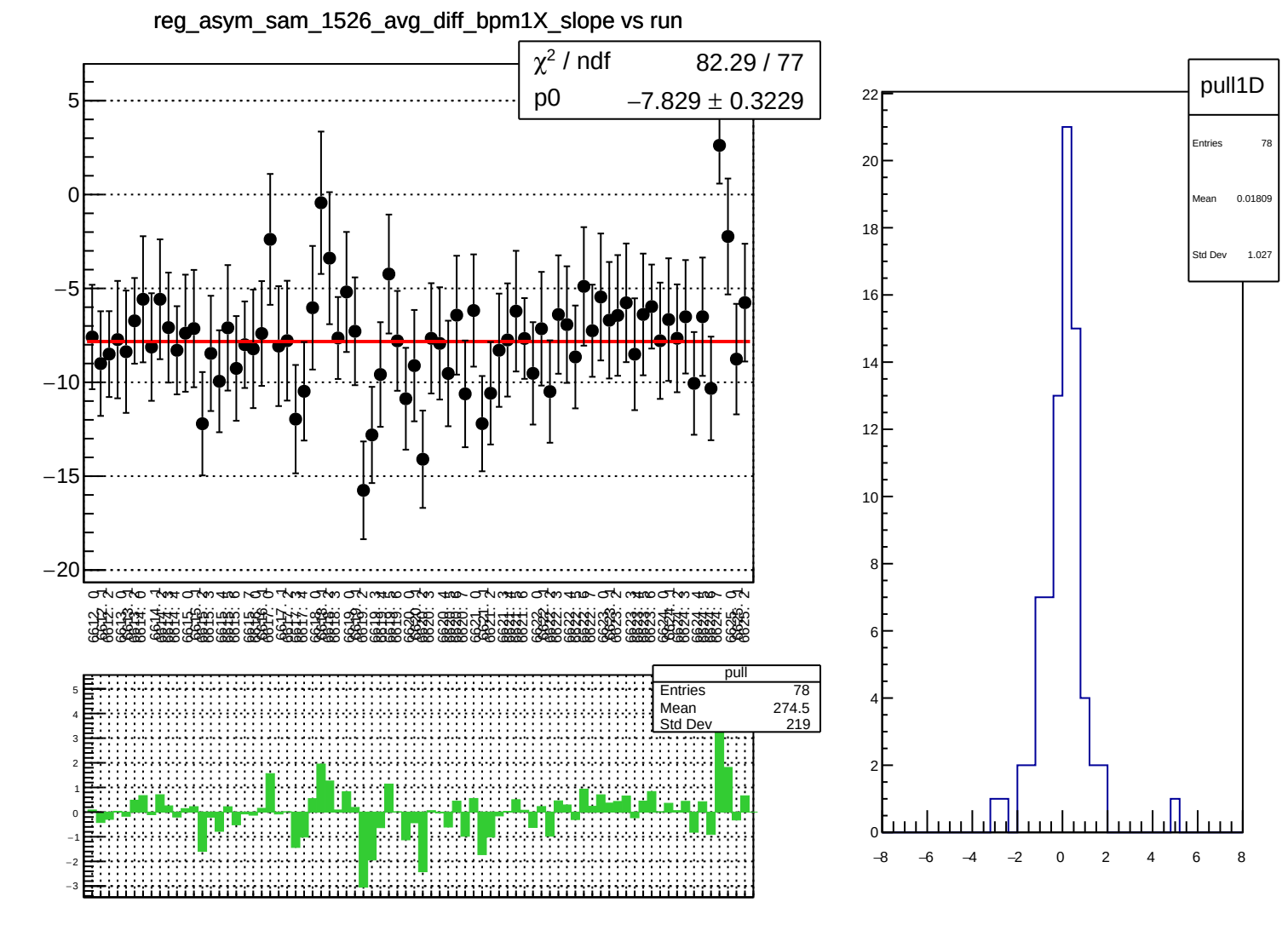

pull1D
Entries 78
Mean −0.02028
Std Dev 0.8757

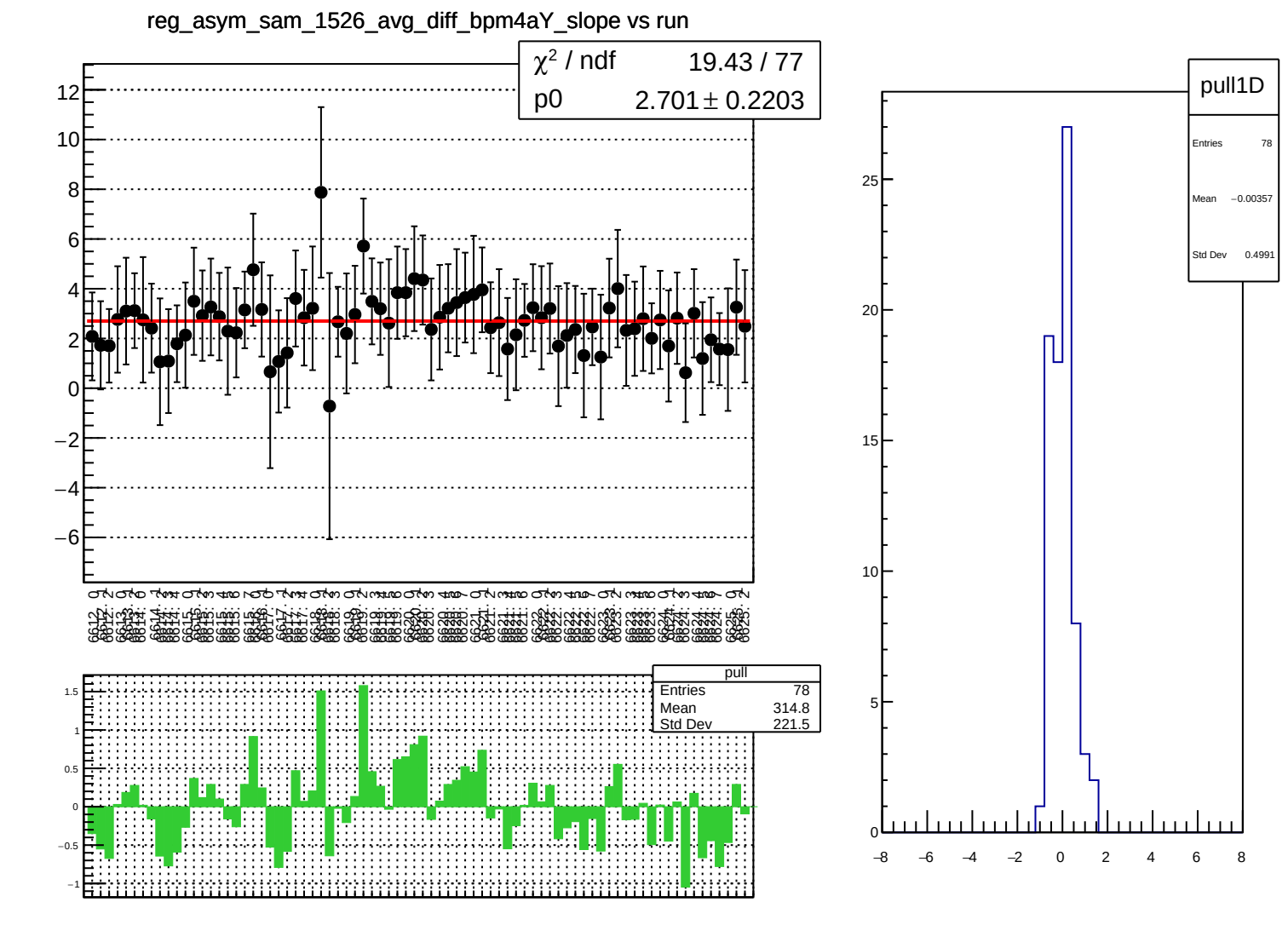

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 32.04 / 77
p0 68.93 ± 0.7864
pull
Entries 78
Mean 93.92
Std Dev 66.21

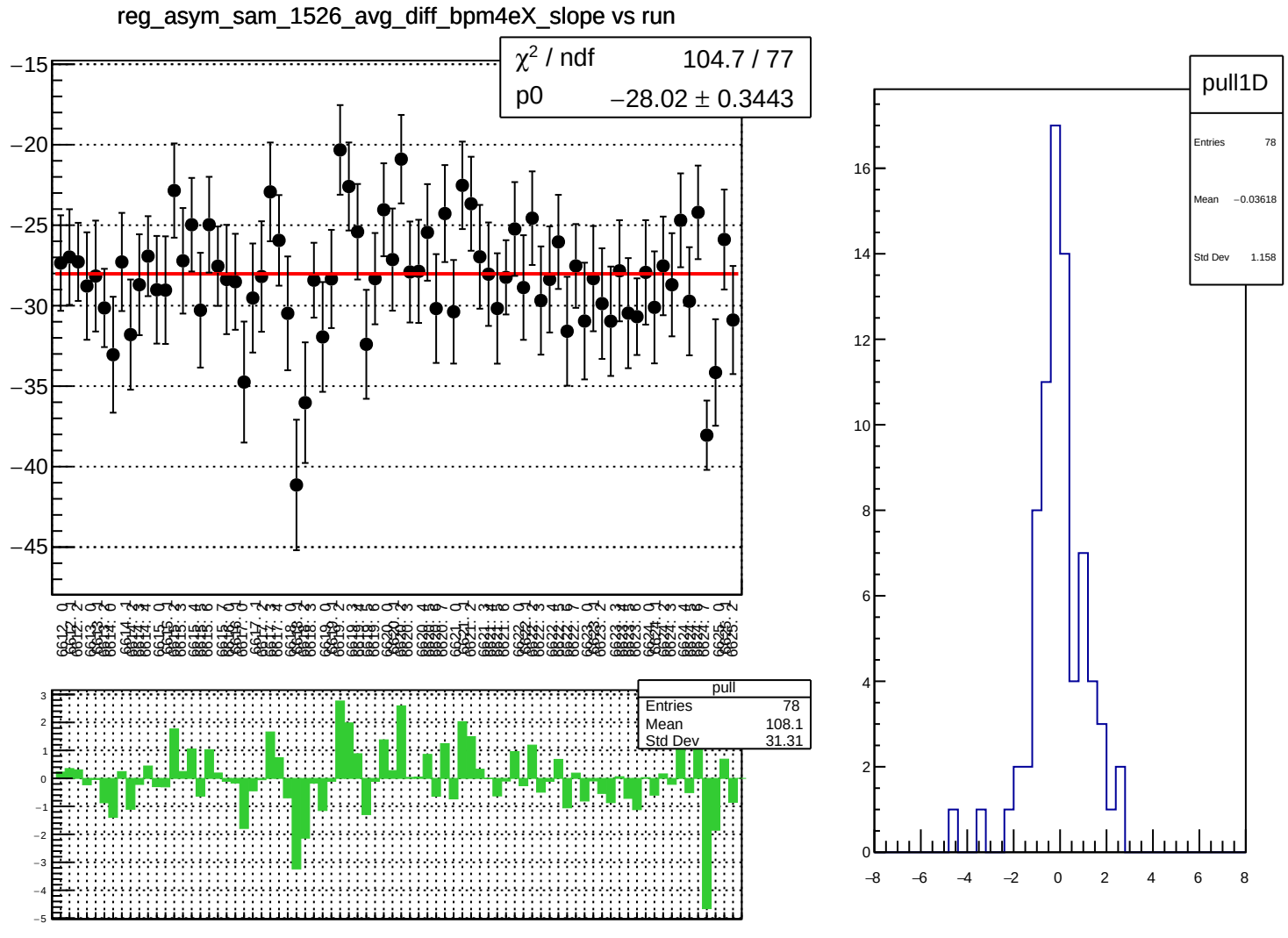

pull1D
Entries 78
Mean 0.01096
Std Dev 0.6408

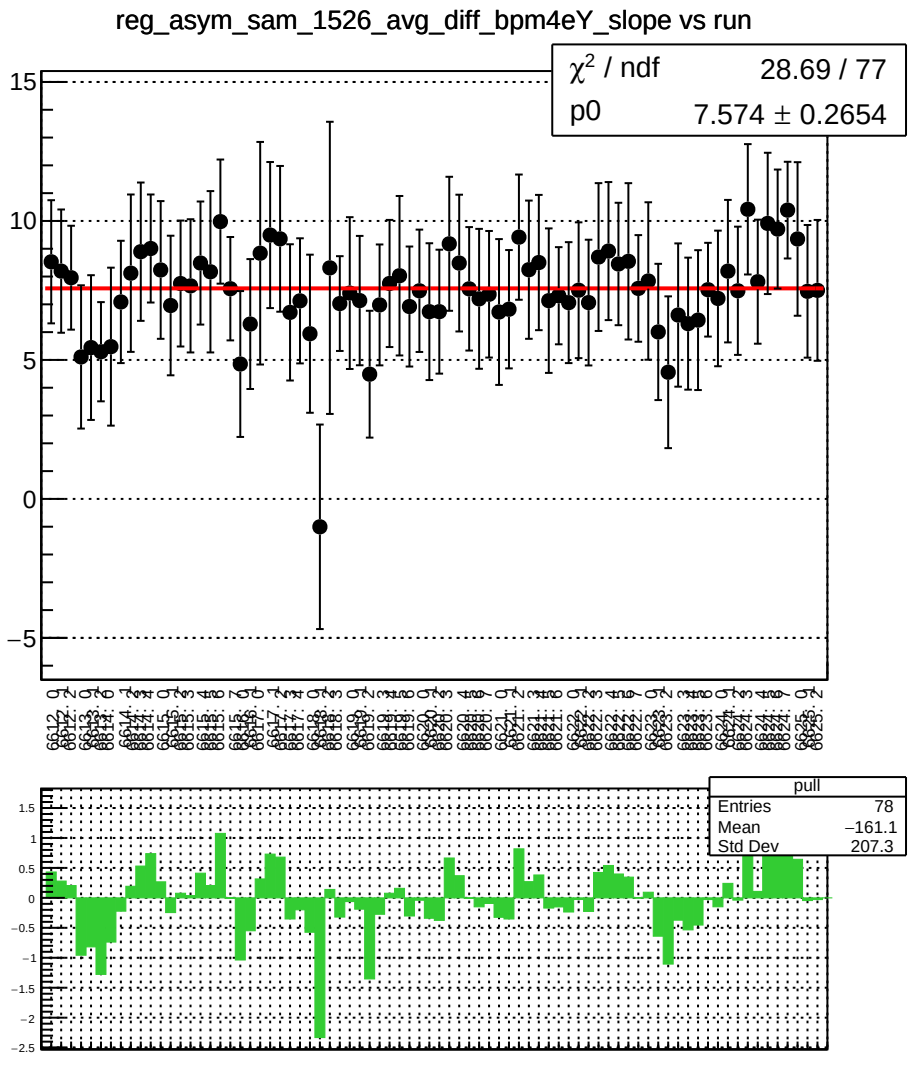

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 4.451 / 77
p0 0.3292 ± 0.04106
pull
Entries 78
Mean −2667
Std Dev 2707

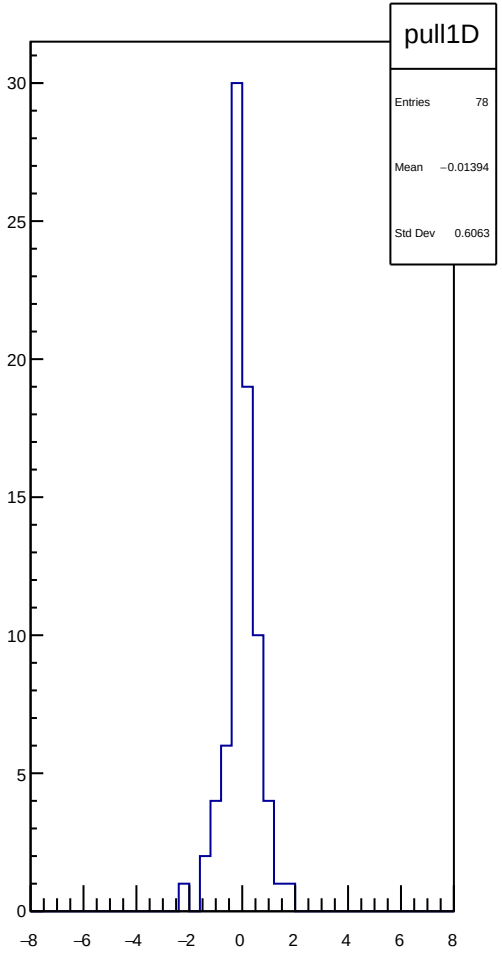

pull1D
Entries 78
Mean −0.0007748
Std Dev 0.2389

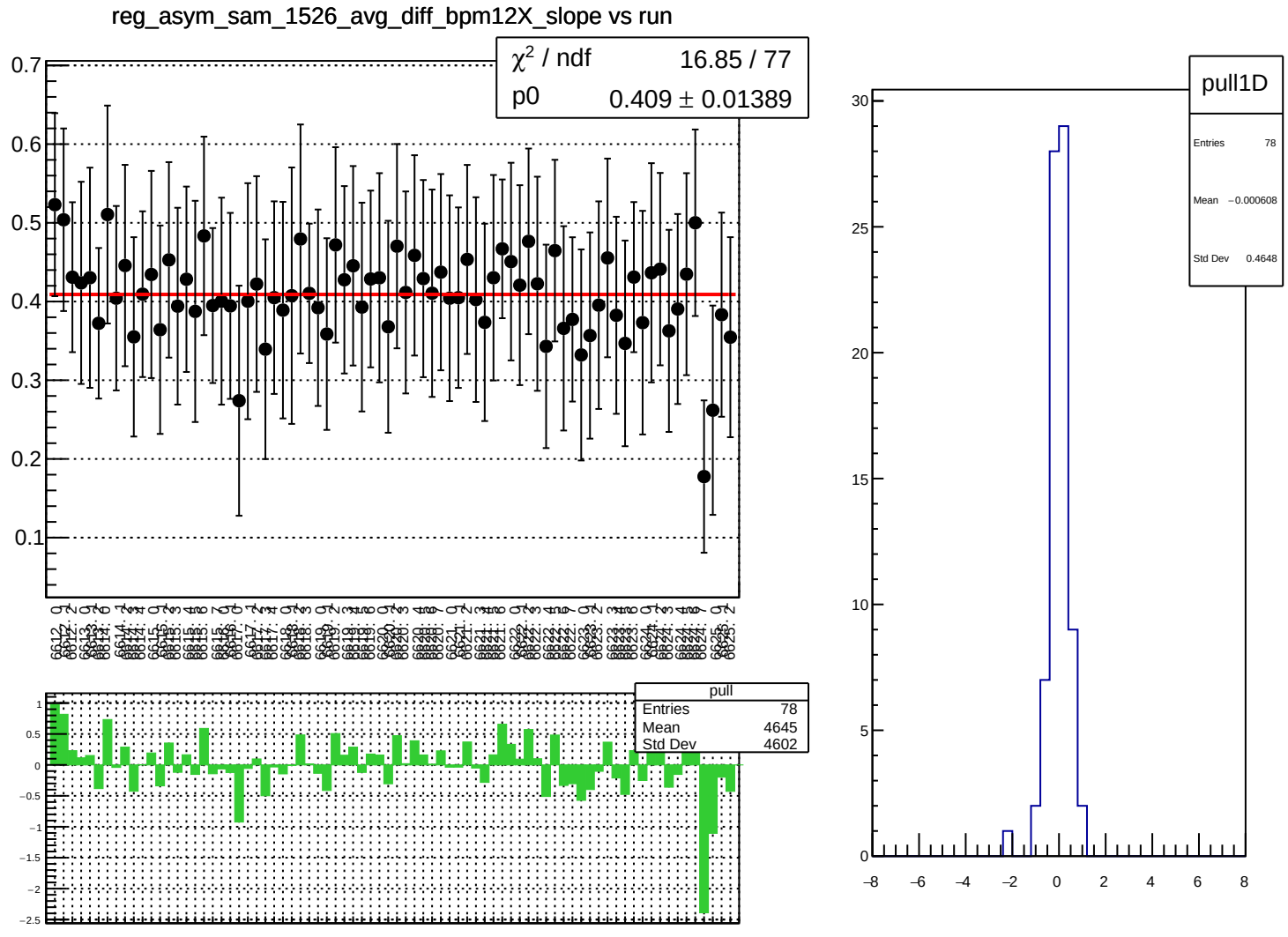

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 82.29 / 77
p0 −7.829 ± 0.3229
pull
Entries 78
Mean 274.5
Std Dev 219
pull1D
Entries 78
Mean 0.01809
Std Dev 1.027

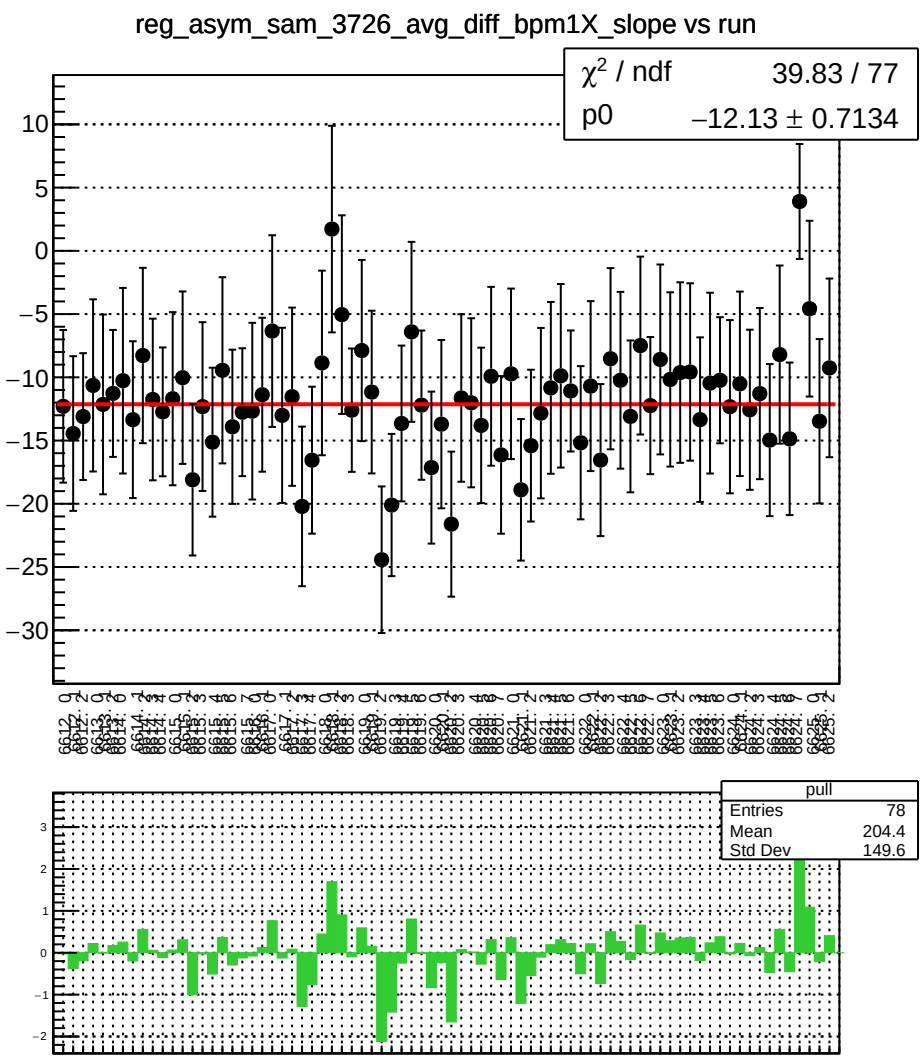

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 19.43 / 77
p0 2.701 ± 0.2203
pull
Entries 78
Mean 314.8
Std Dev 221.5
pull1D
Entries 78
Mean −0.00357
Std Dev 0.4991

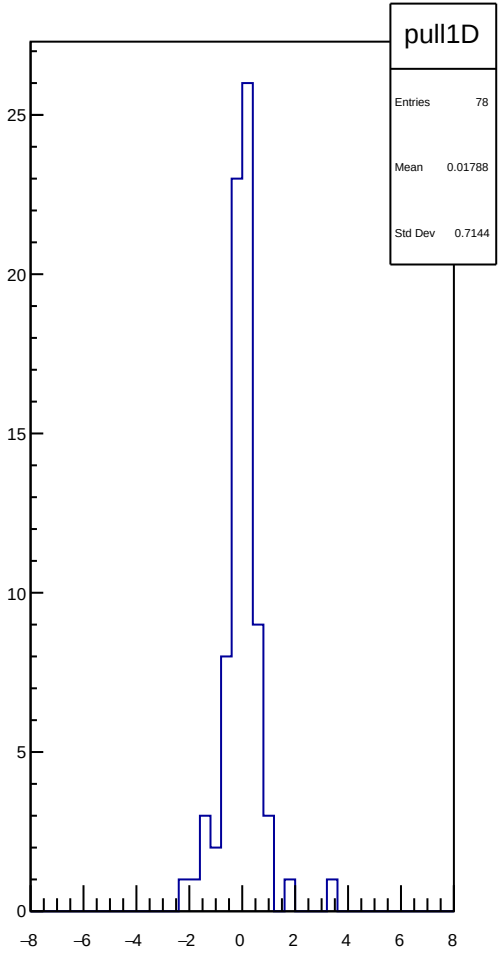

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 104.7 / 77
p0 −28.02 ± 0.3443
pull
Entries 78
Mean 108.1
Std Dev 31.31
pull1D
Entries 78
Mean −0.03618
Std Dev 1.158

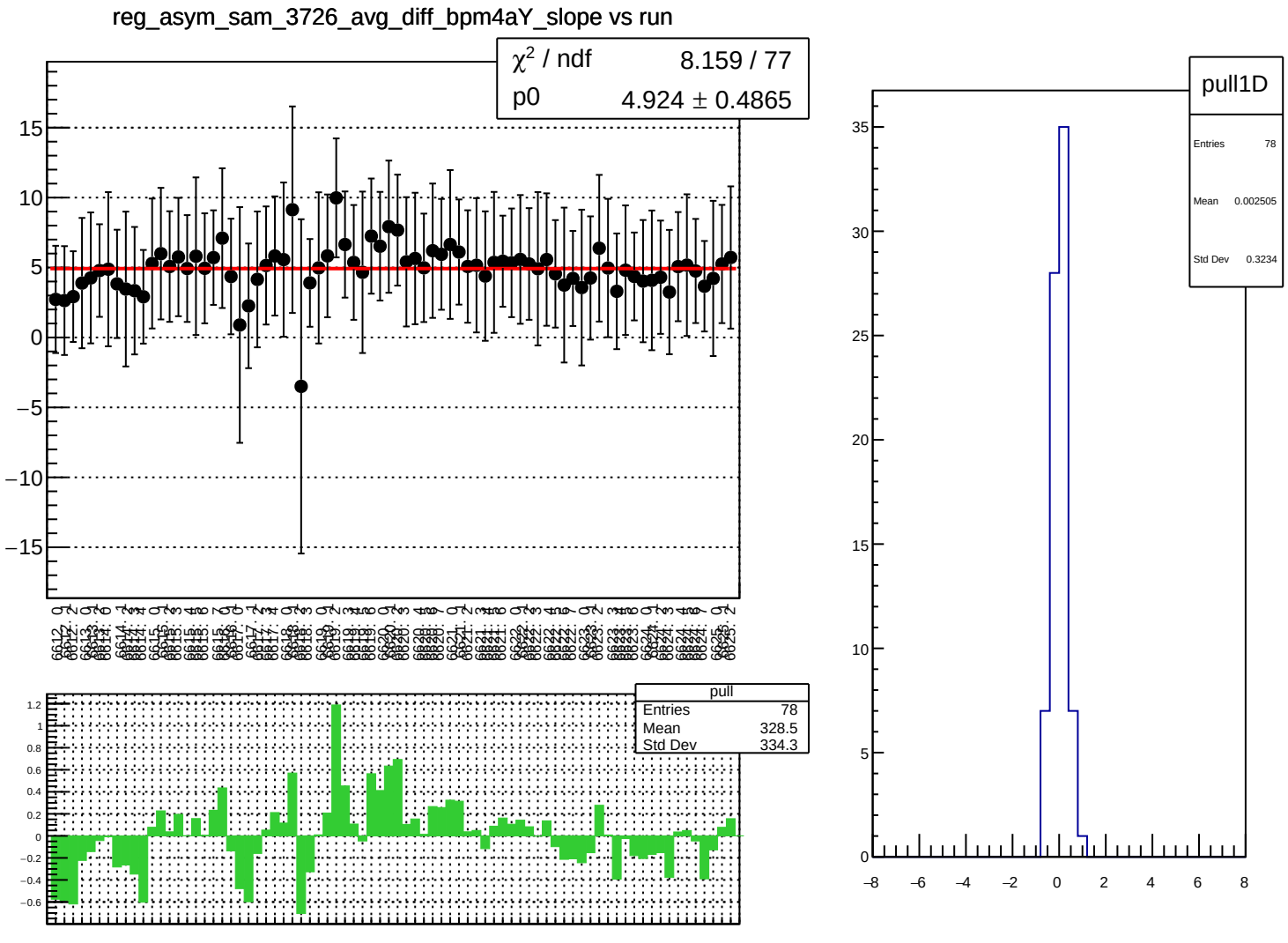

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 28.69 / 77
p0 7.574 ± 0.2654
pull
Entries 78
Mean −161.1
Std Dev 207.3

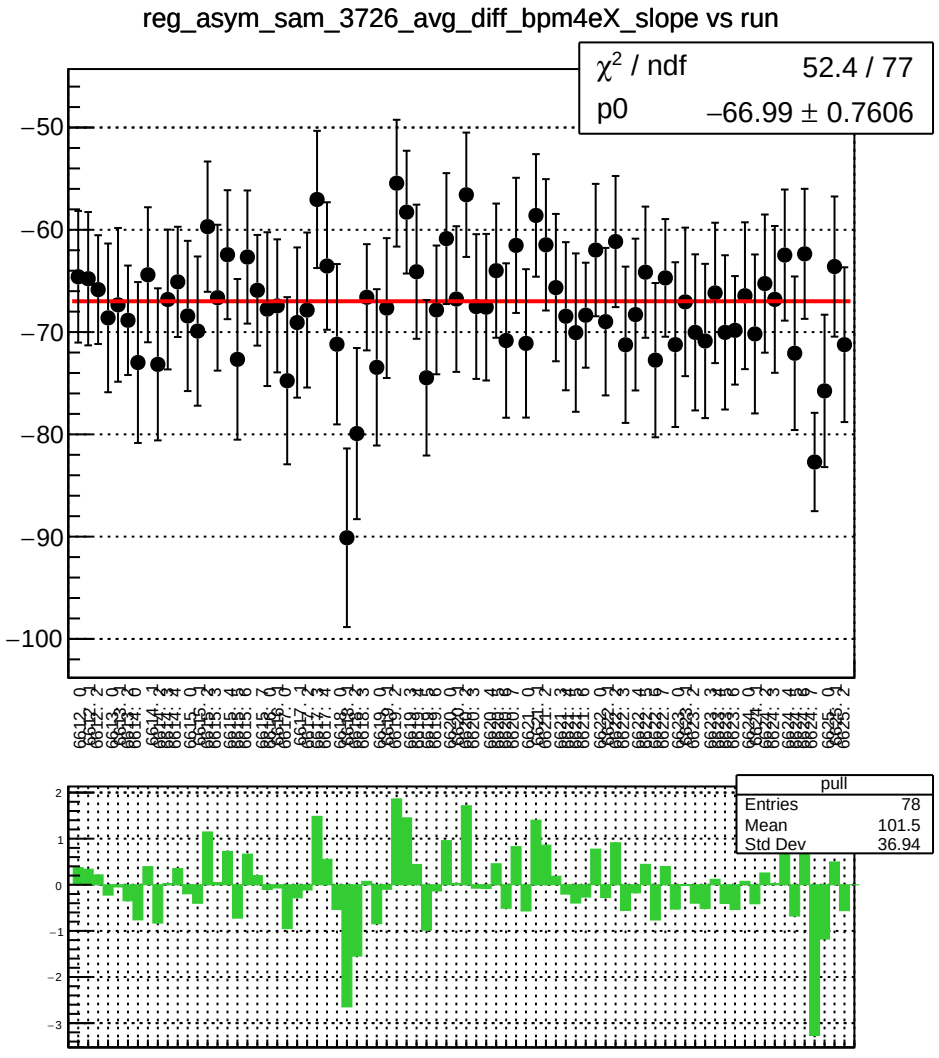

pull1D
Entries 78
Mean −0.01394
Std Dev 0.6063

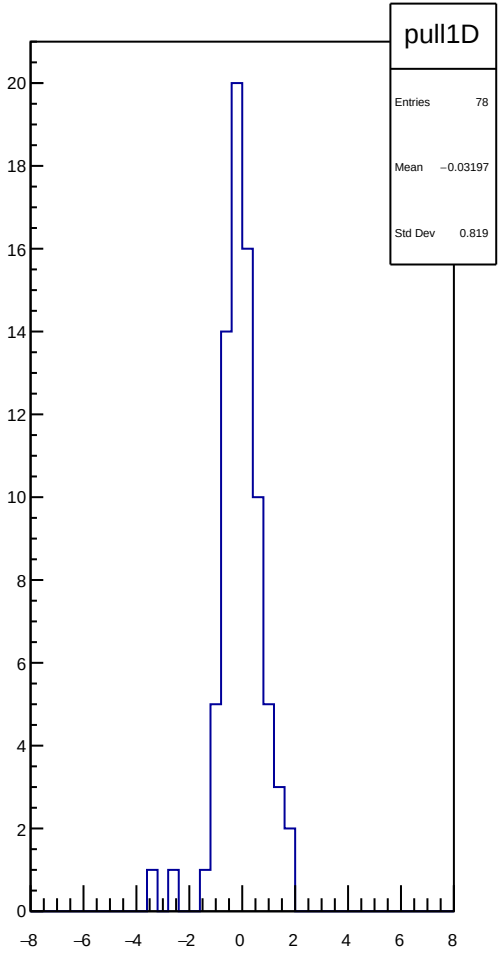

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 16.85 / 77
p0 0.409 ± 0.01389
pull
Entries 78
Mean 4645
Std Dev 4602
pull1D
Entries 78
Mean −0.000608
Std Dev 0.4648

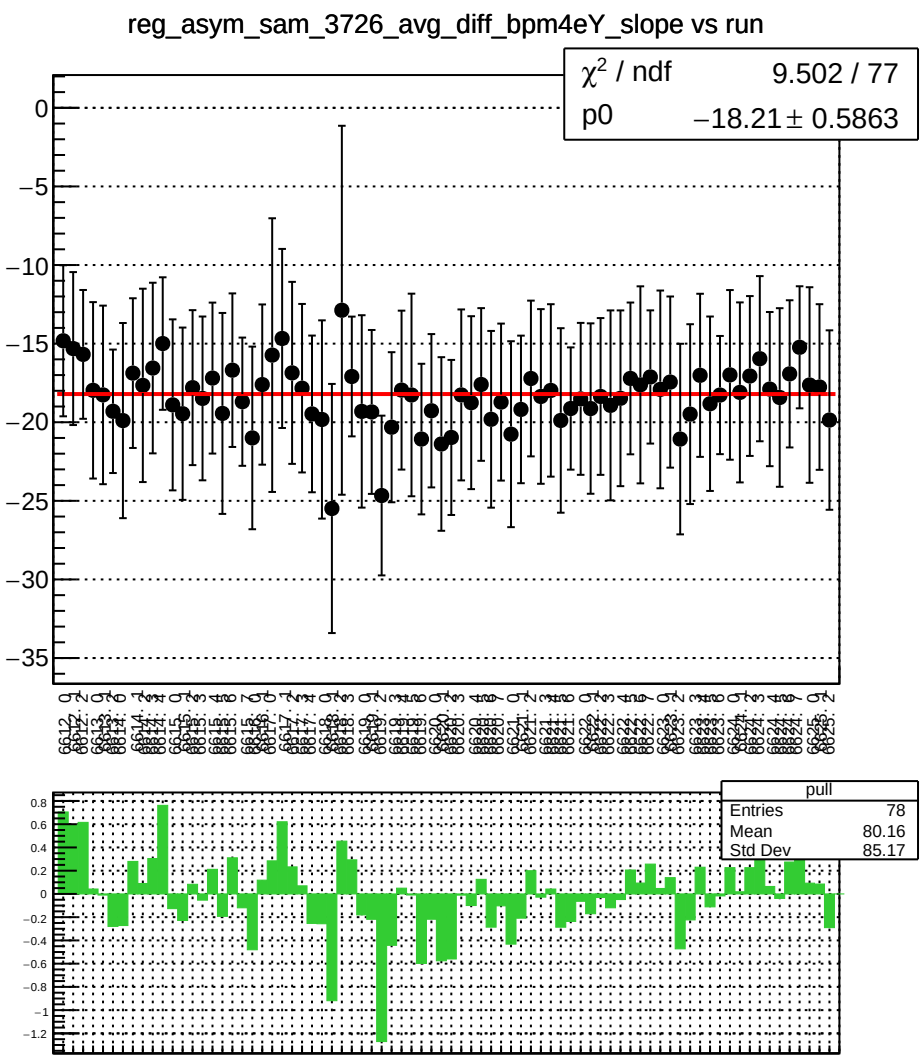

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 39.83 / 77
p0 −12.13 ± 0.7134
pull
Entries 78
Mean 204.4
Std Dev 149.6

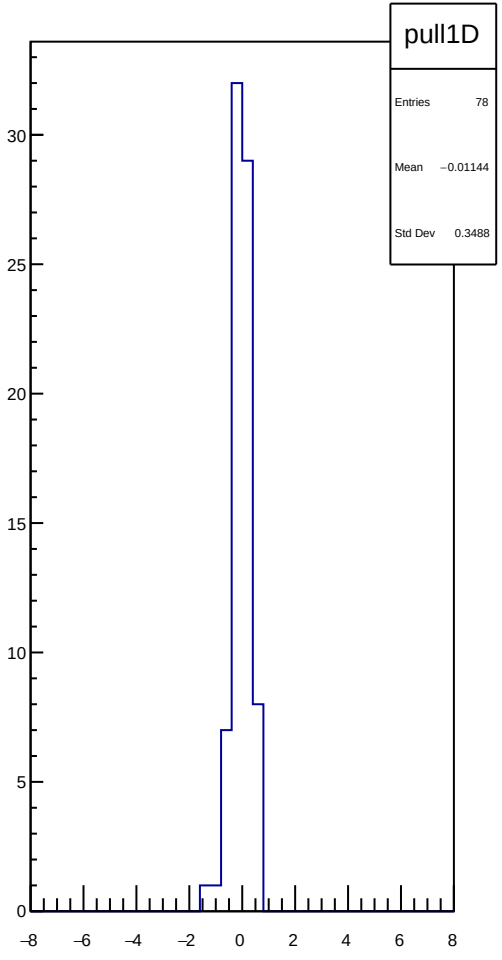

pull1D
Entries 78
Mean 0.01788
Std Dev 0.7144

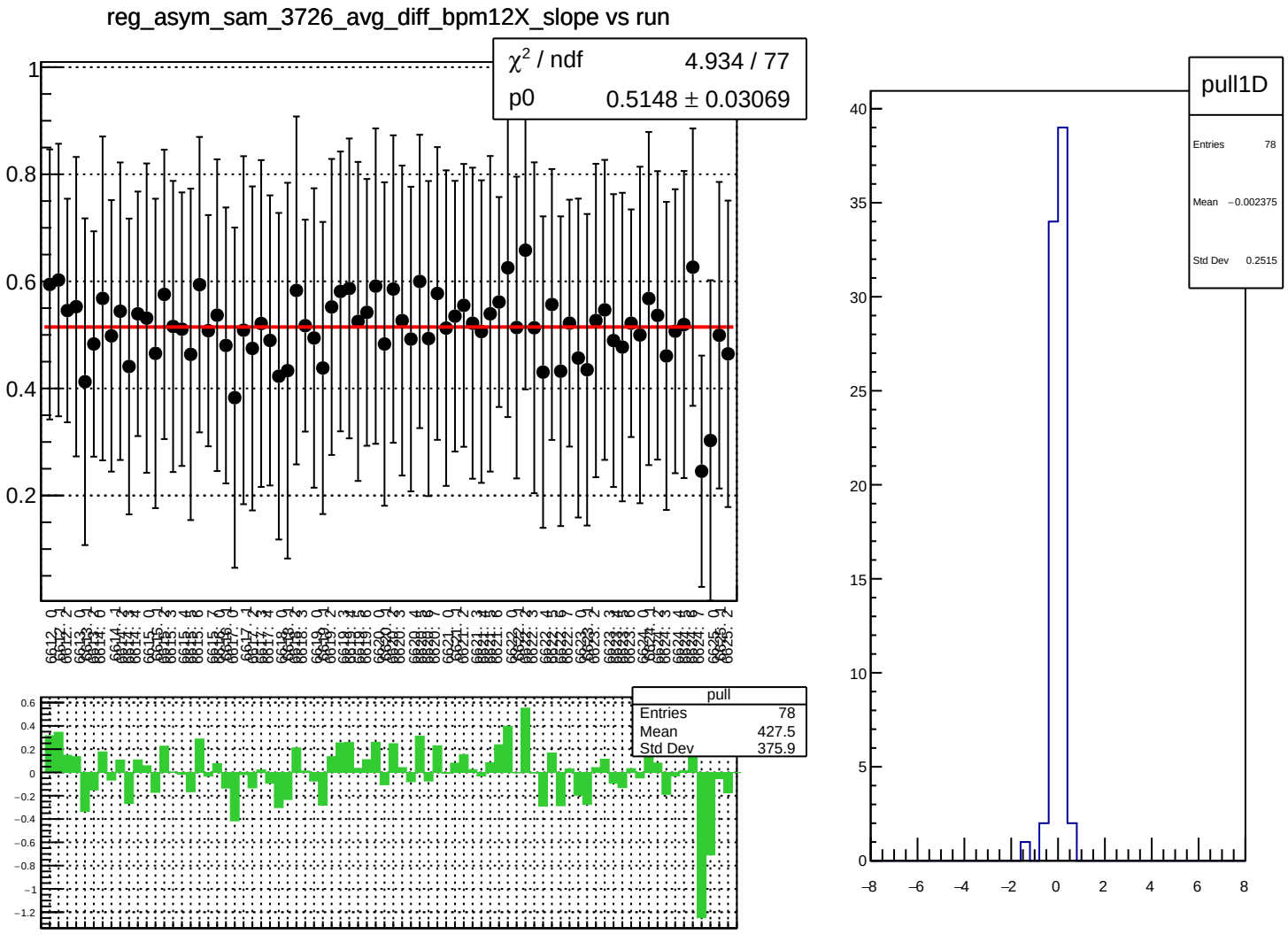

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.159 / 77
p0 4.924 ± 0.4865
pull
Entries 78
Mean 328.5
Std Dev 334.3
pull1D
Entries 78
Mean 0.002505
Std Dev 0.3234

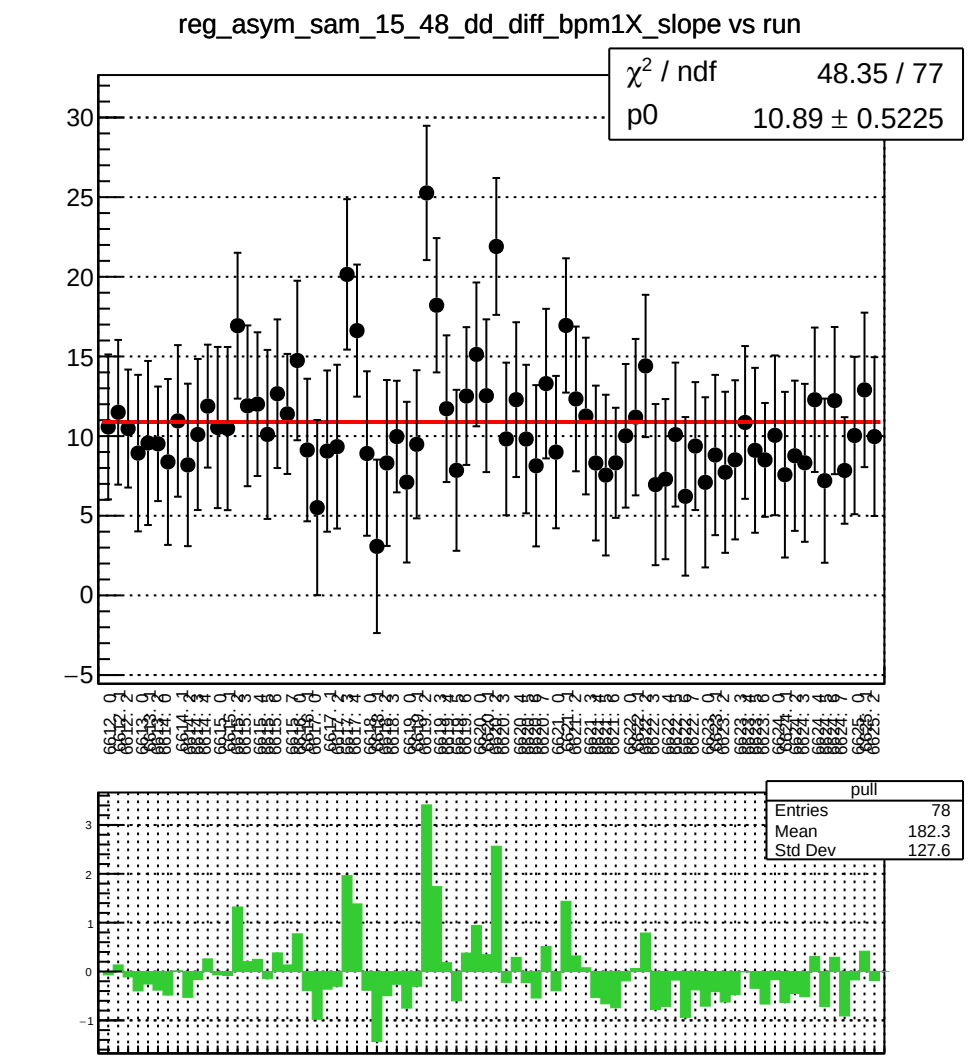

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 52.4 / 77
p0 −66.99 ± 0.7606
pull
Entries 78
Mean 101.5
Std Dev 36.94

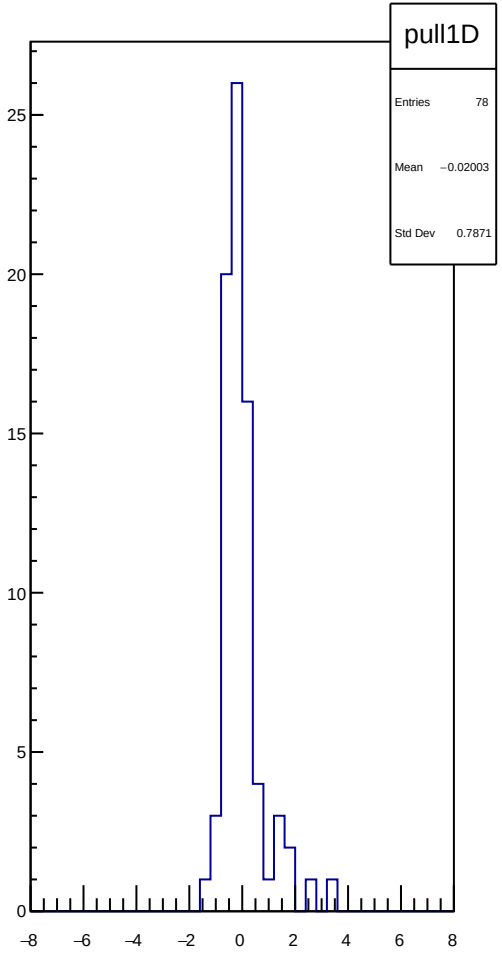

pull1D
Entries 78
Mean −0.03197
Std Dev 0.819

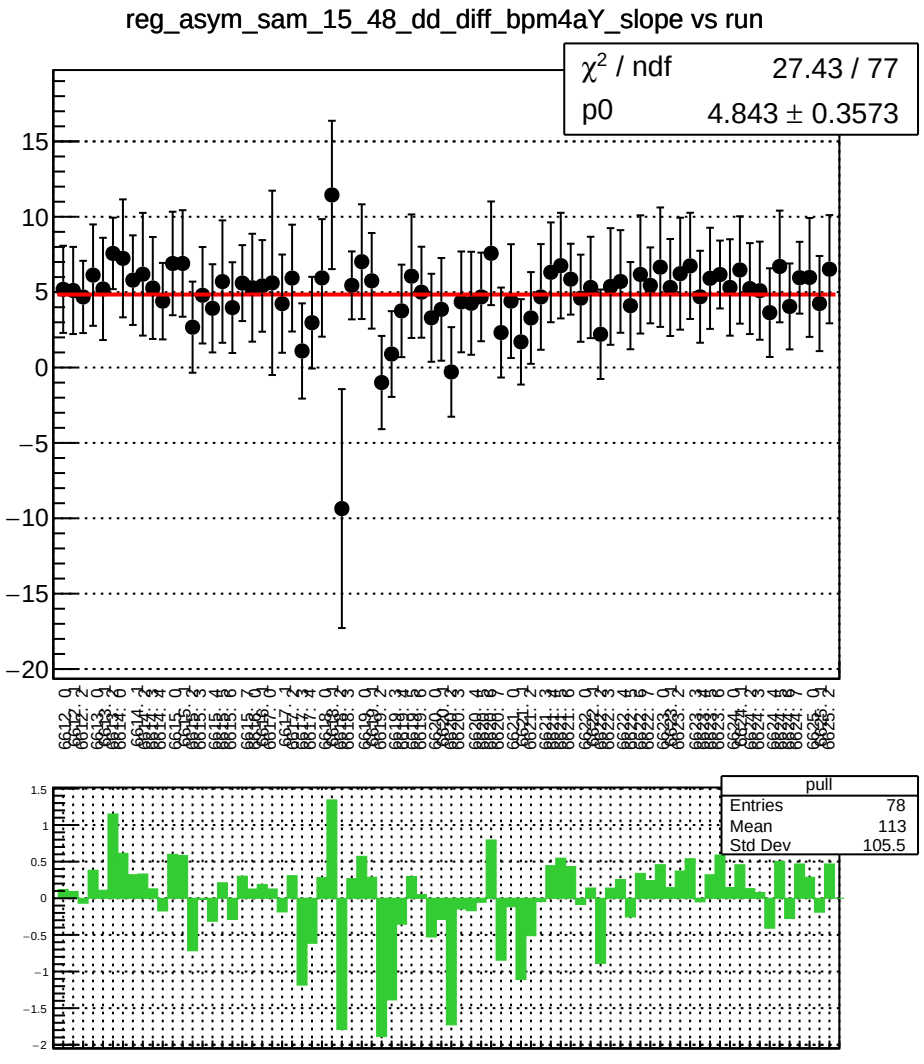

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.502 / 77
p0 −18.21 ± 0.5863
pull
Entries 78
Mean 80.16
Std Dev 85.17

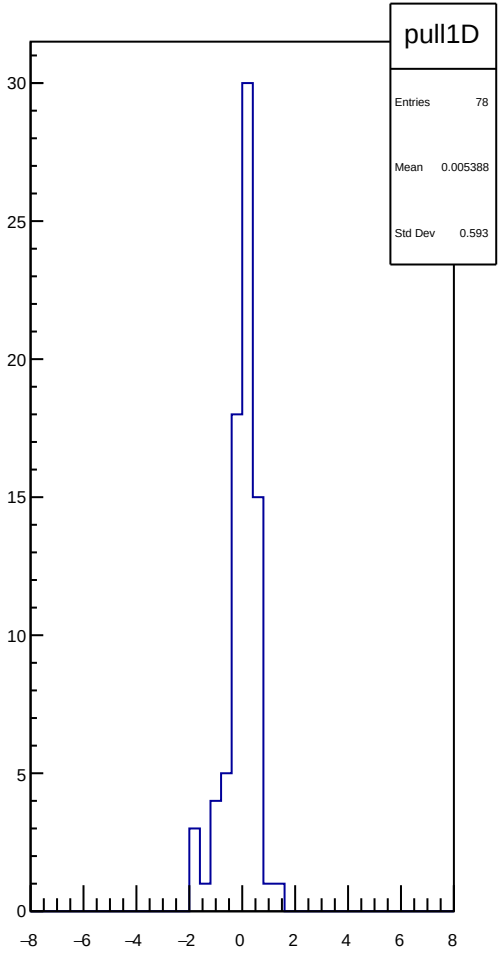

pull1D
Entries 78
Mean −0.01144
Std Dev 0.3488

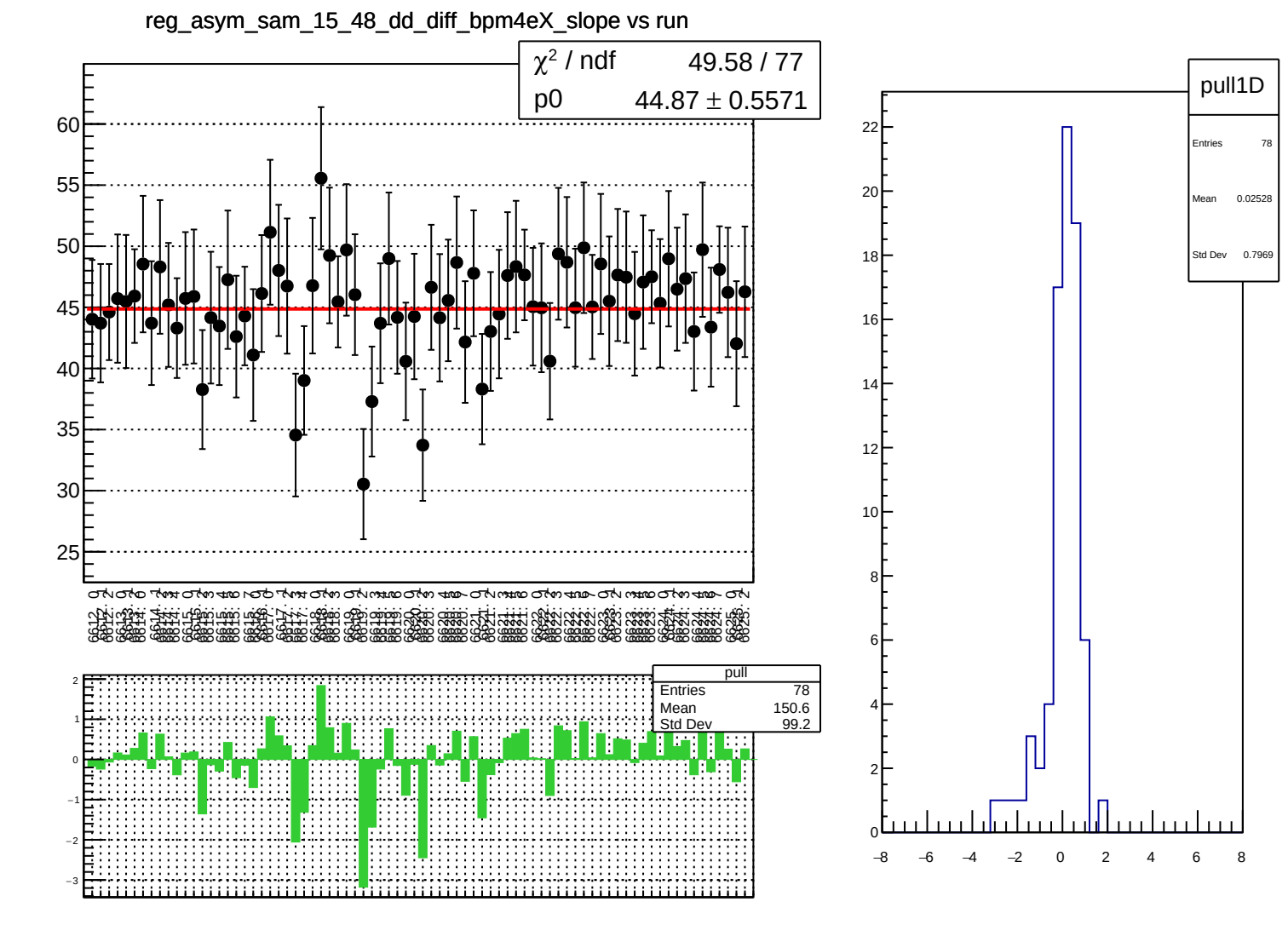

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 4.934 / 77
p0 0.5148 ± 0.03069
pull
Entries 78
Mean 427.5
Std Dev 375.9
pull1D
Entries 78
Mean −0.002375
Std Dev 0.2515

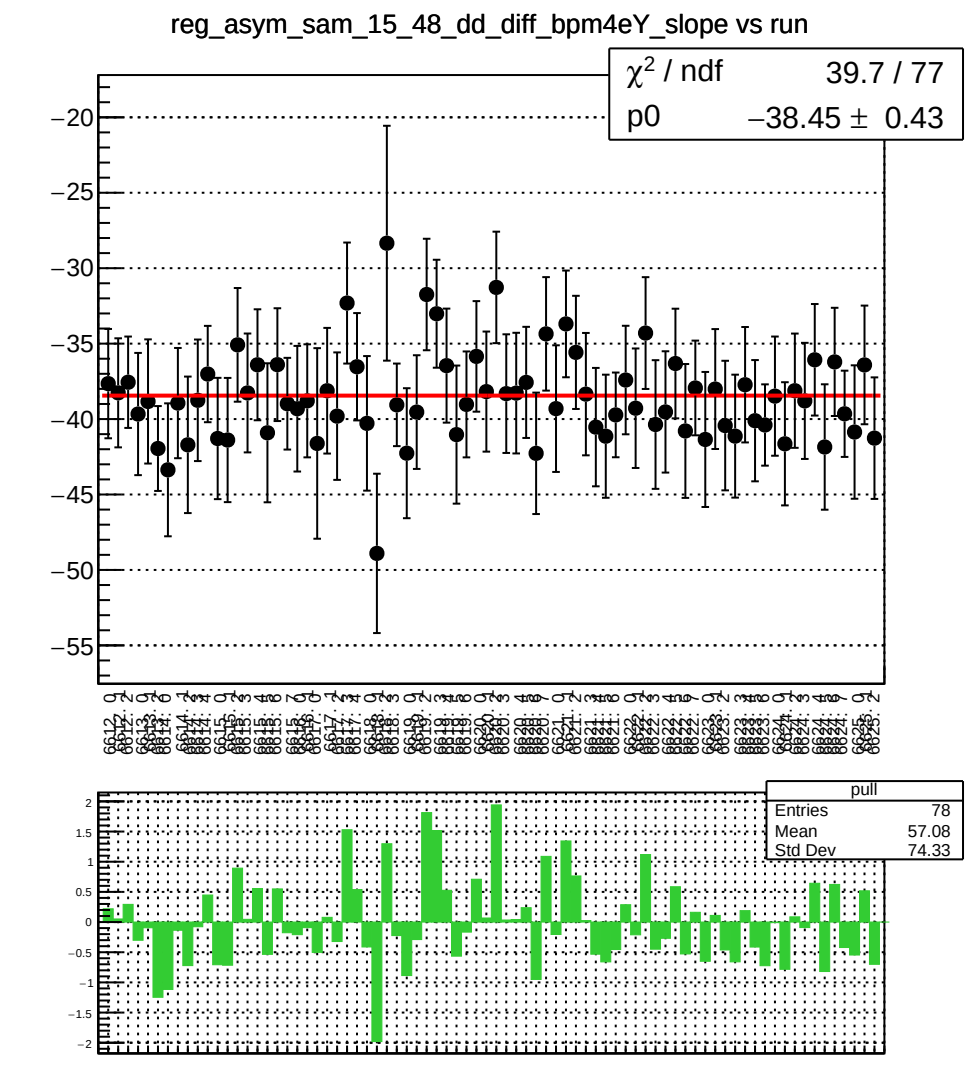

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 48.35 / 77
p0 10.89 ± 0.5225
pull
Entries 78
Mean 182.3
Std Dev 127.6

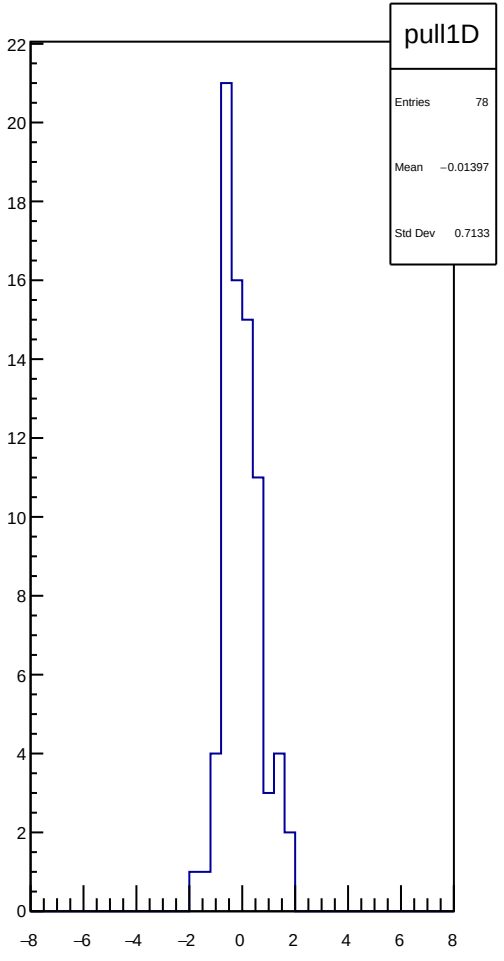

pull1D
Entries 78
Mean −0.02003
Std Dev 0.7871

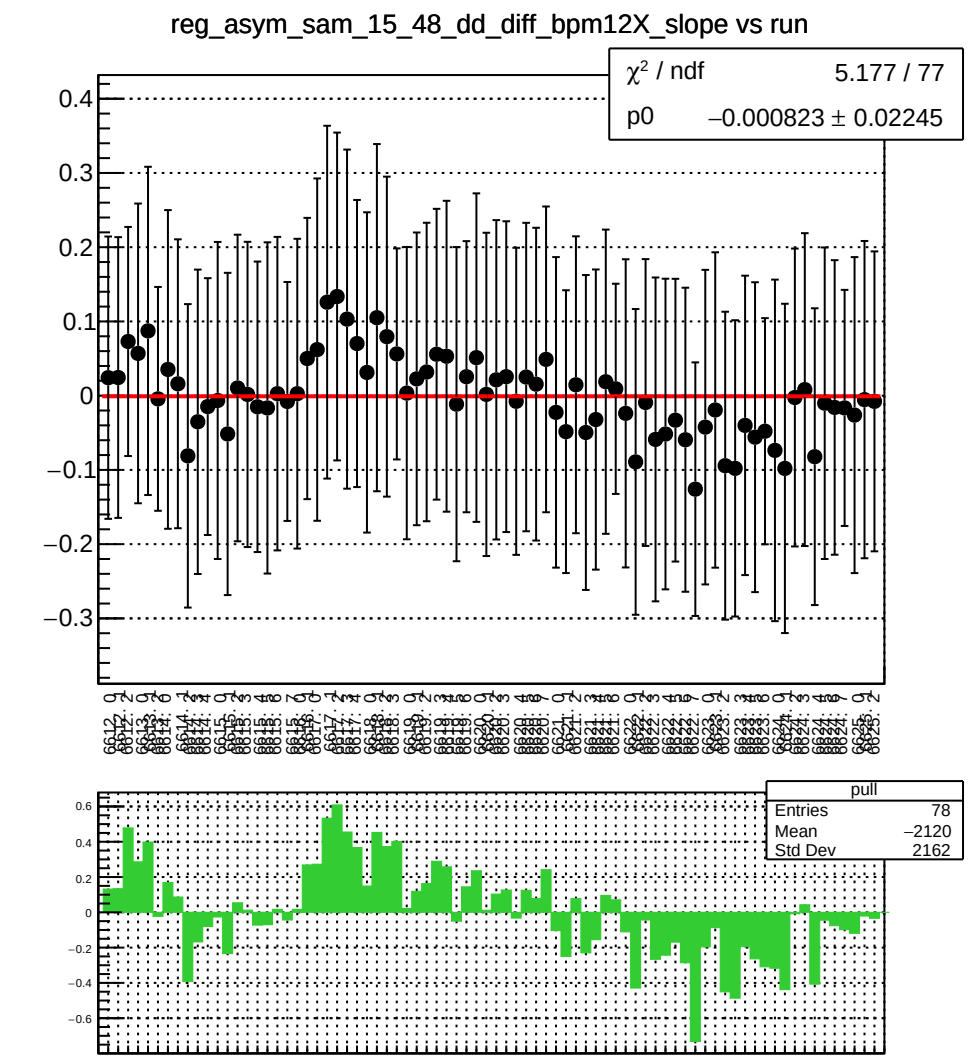

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 27.43 / 77
p0 4.843 ± 0.3573
pull
Entries 78
Mean 113
Std Dev 105.5

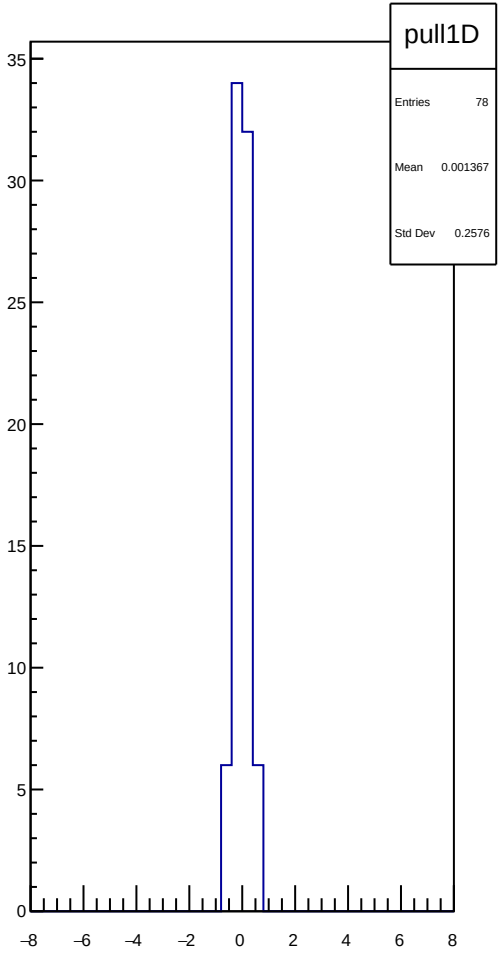

pull1D
Entries 78
Mean 0.005388
Std Dev 0.593

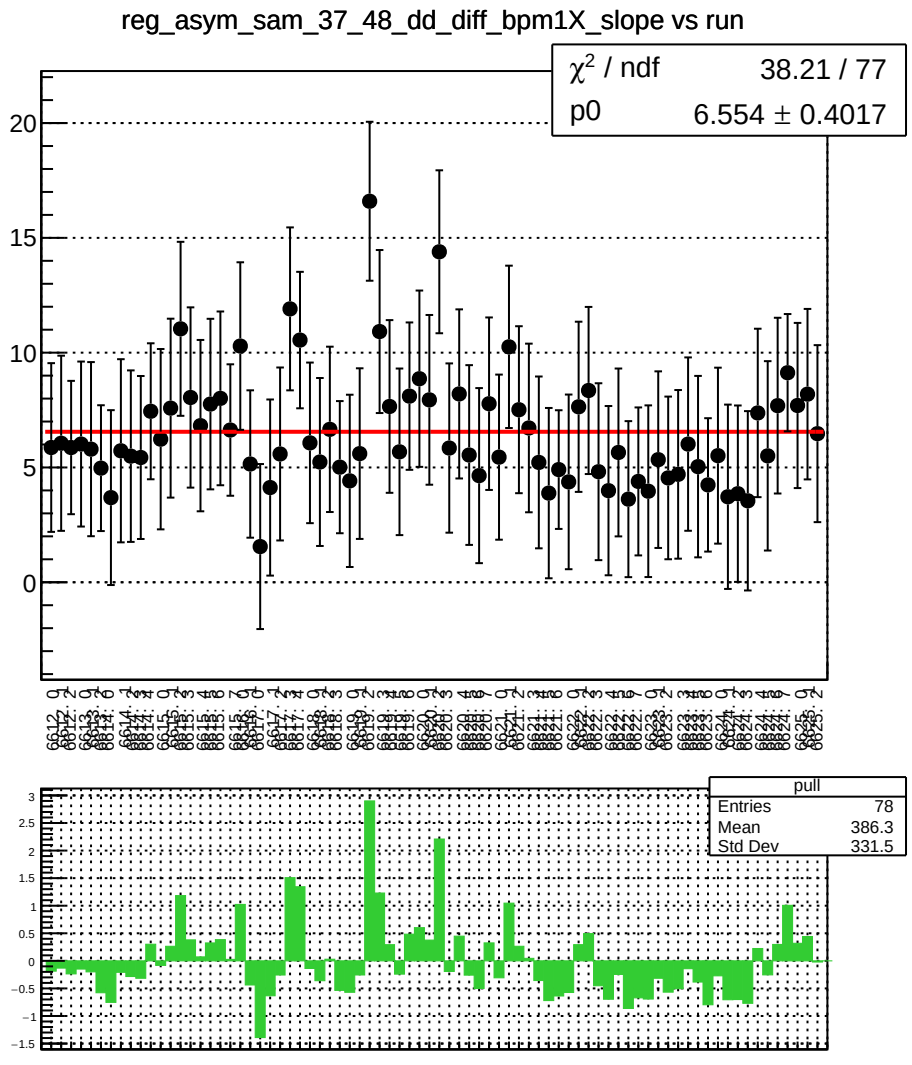

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 49.58 / 77
p0 44.87 ± 0.5571
pull
Entries 78
Mean 150.6
Std Dev 99.2
pull1D
Entries 78
Mean 0.02528
Std Dev 0.7969

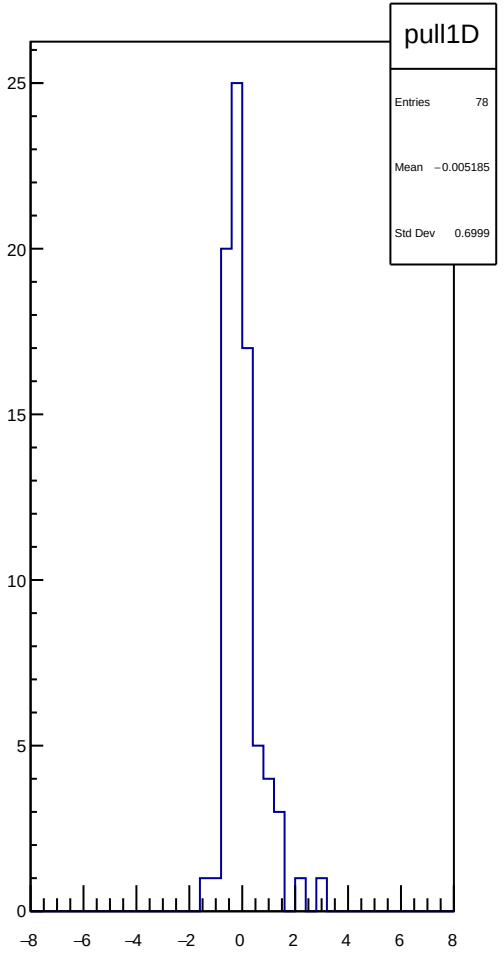

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 39.7 / 77
p0 −38.45 ± 0.43
pull
Entries 78
Mean 57.08
Std Dev 74.33

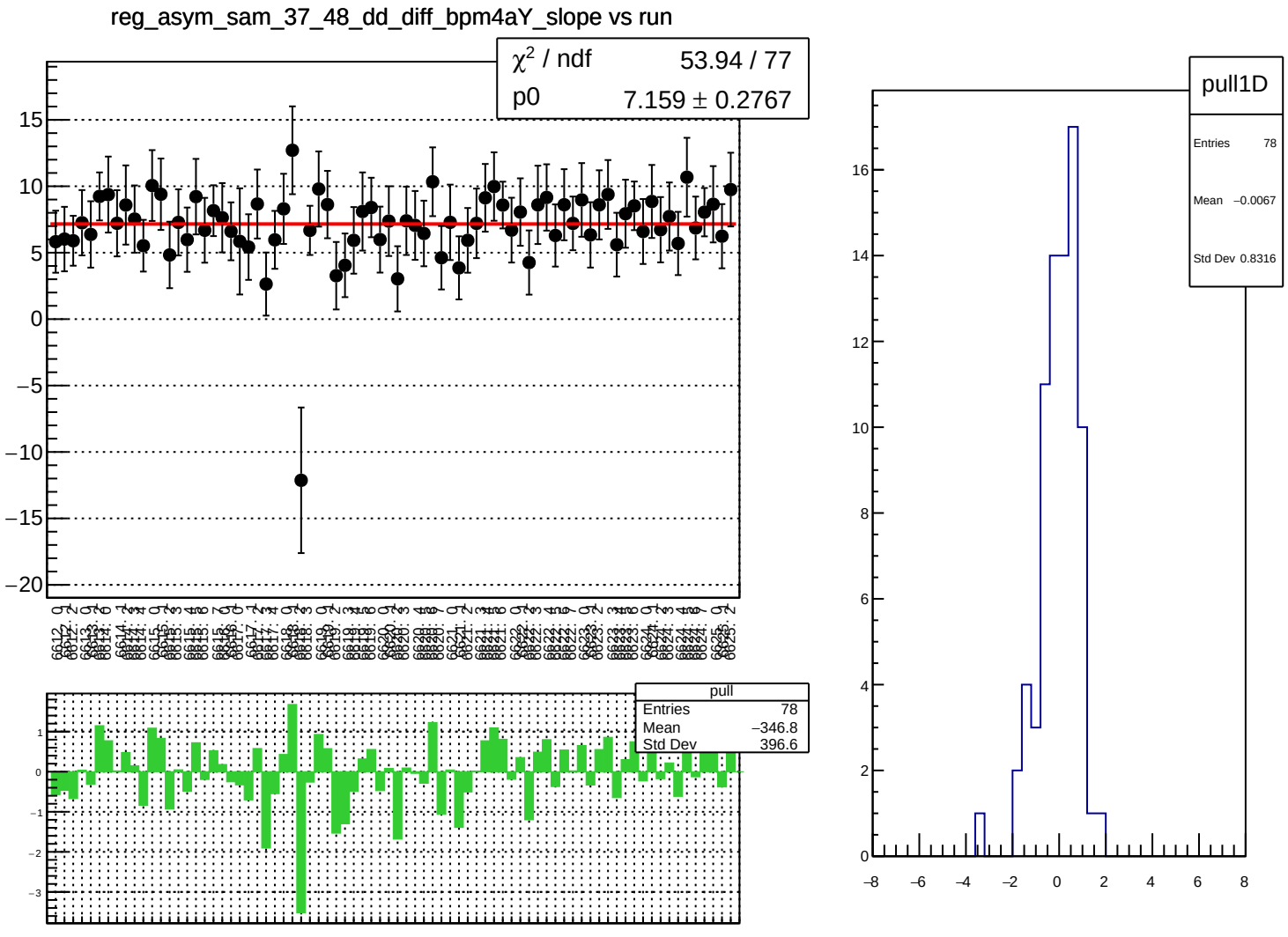

pull1D
Entries 78
Mean −0.01397
Std Dev 0.7133

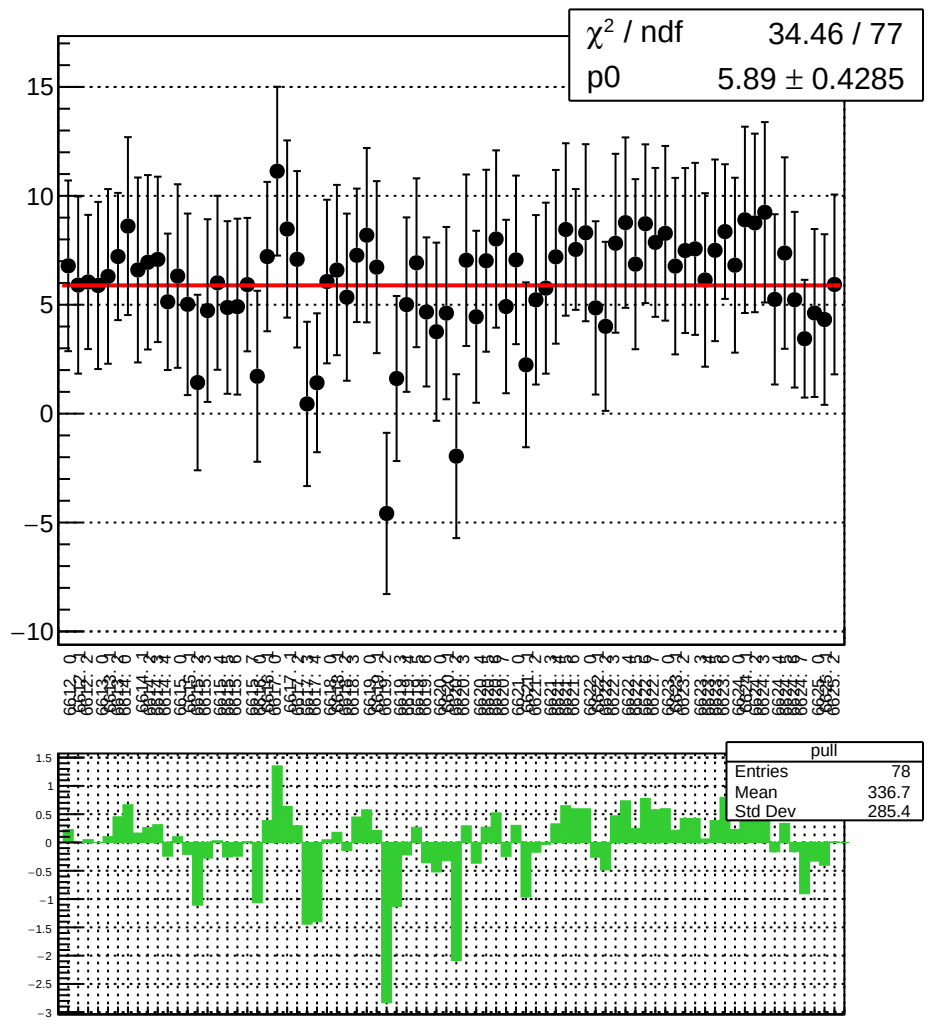

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 5.177 / 77
p0 −0.000823 ± 0.02245
pull
Entries 78
Mean −2120
Std Dev 2162

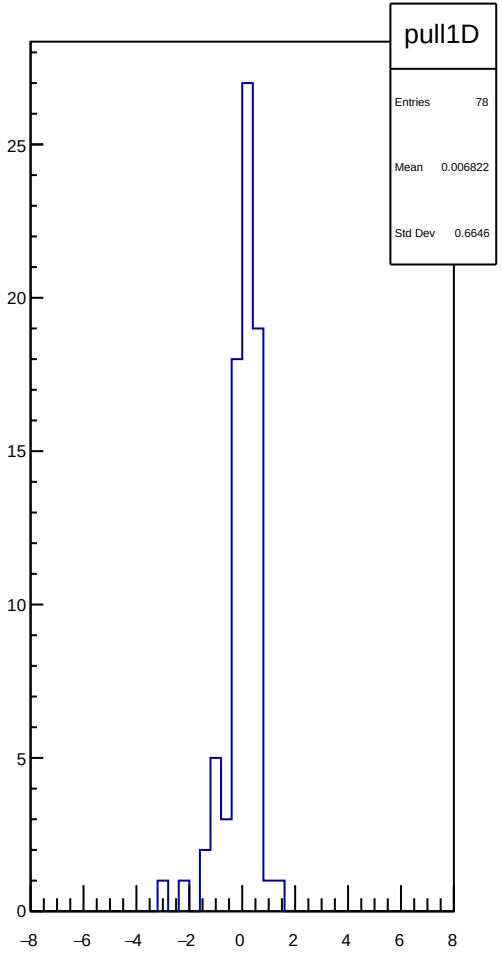

pull1D
Entries 78
Mean 0.001367
Std Dev 0.2576

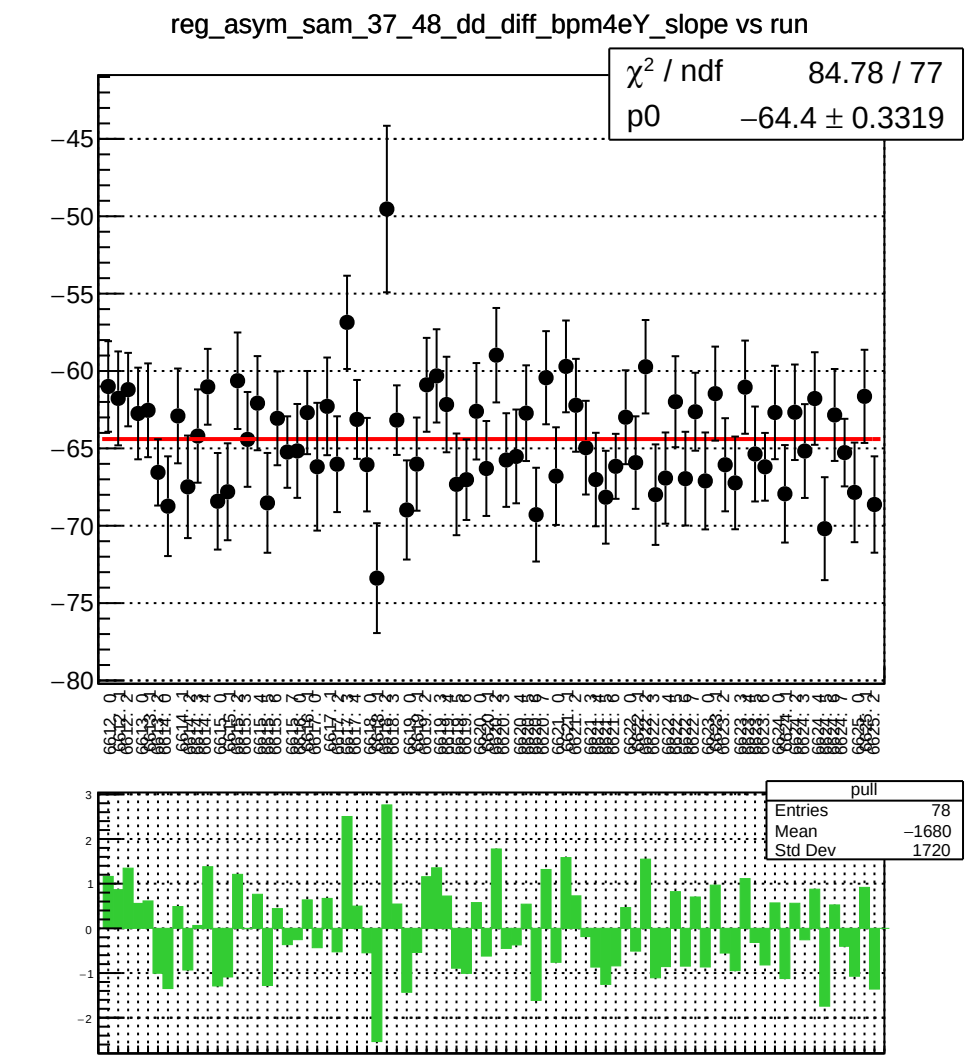

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 38.21 / 77
p0 6.554 ± 0.4017
pull
Entries 78
Mean 386.3
Std Dev 331.5

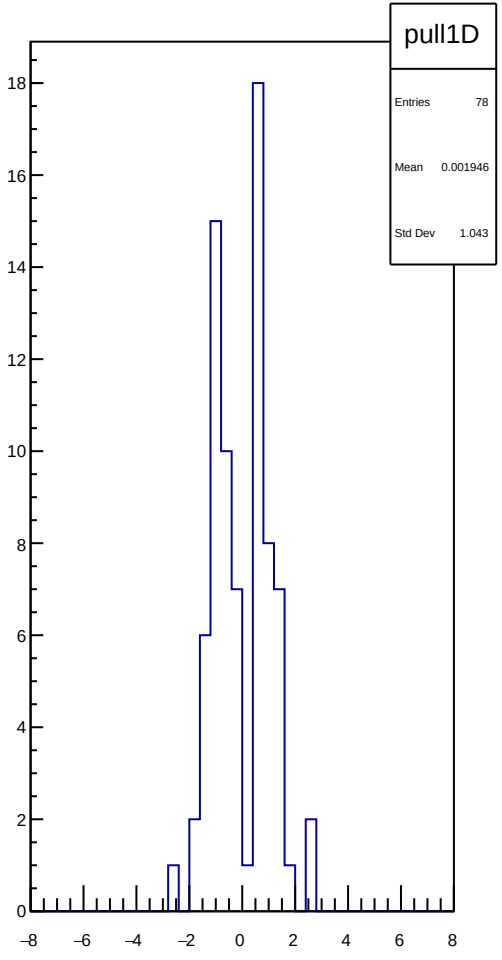

pull1D
Entries 78
Mean −0.005185
Std Dev 0.6999

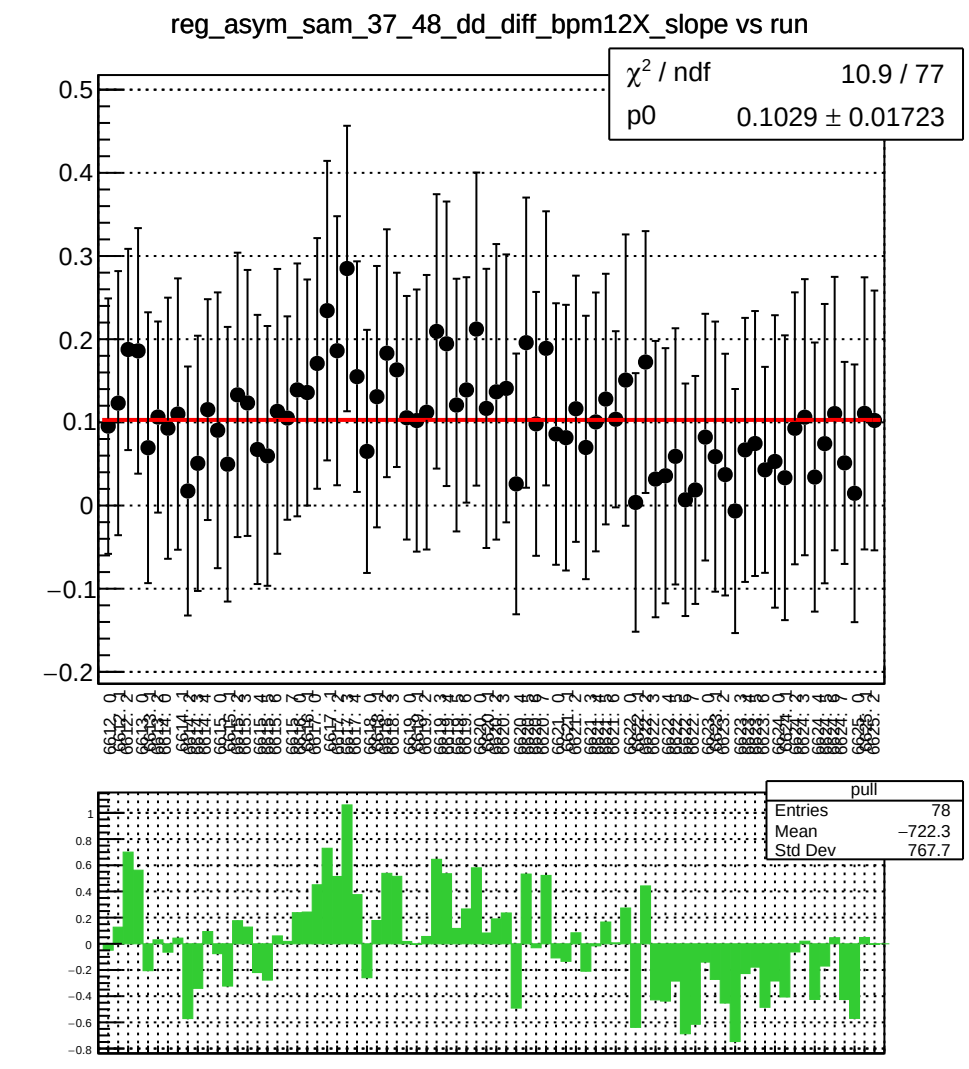

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 53.94 / 77
p0 7.159 ± 0.2767
pull
Entries 78
Mean −346.8
Std Dev 396.6
pull1D
Entries 78
Mean −0.0067
Std Dev 0.8316

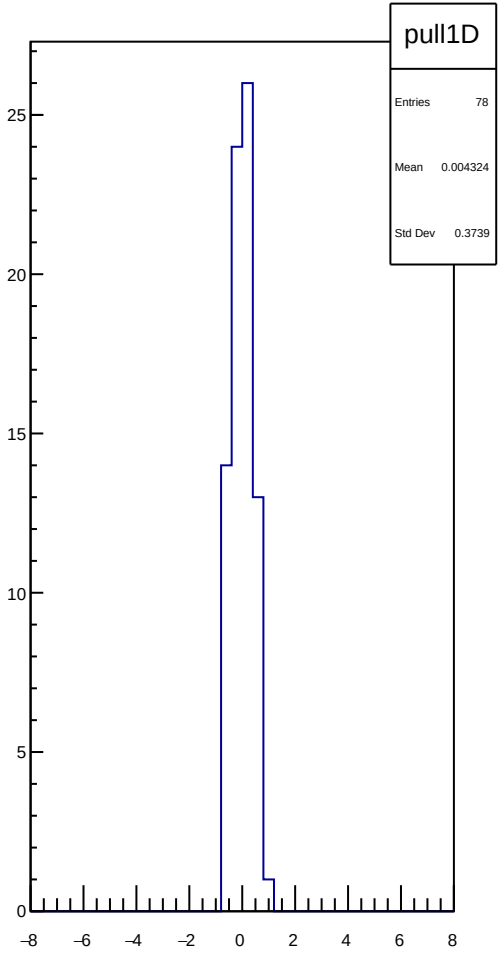

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 34.46 / 77
p0 5.89 ± 0.4285
pull
Entries 78
Mean 336.7
Std Dev 285.4

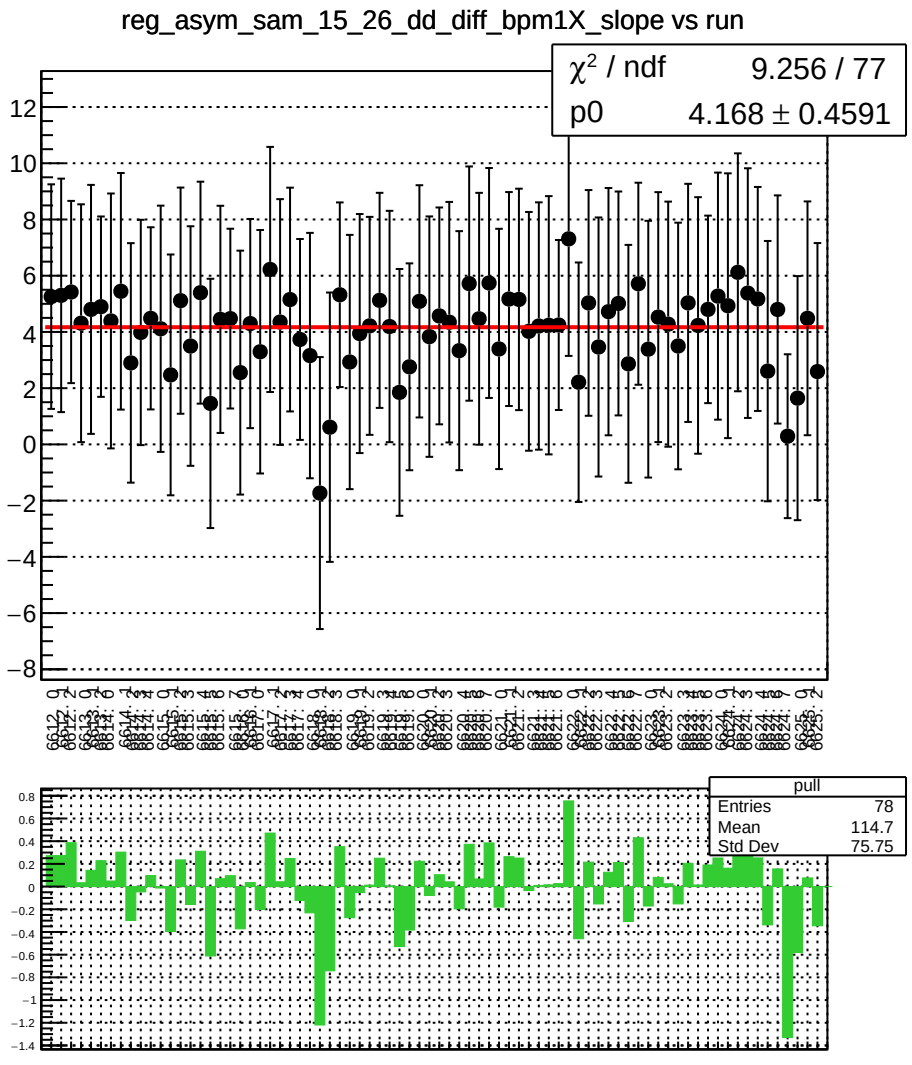

pull1D
Entries 78
Mean 0.006822
Std Dev 0.6646

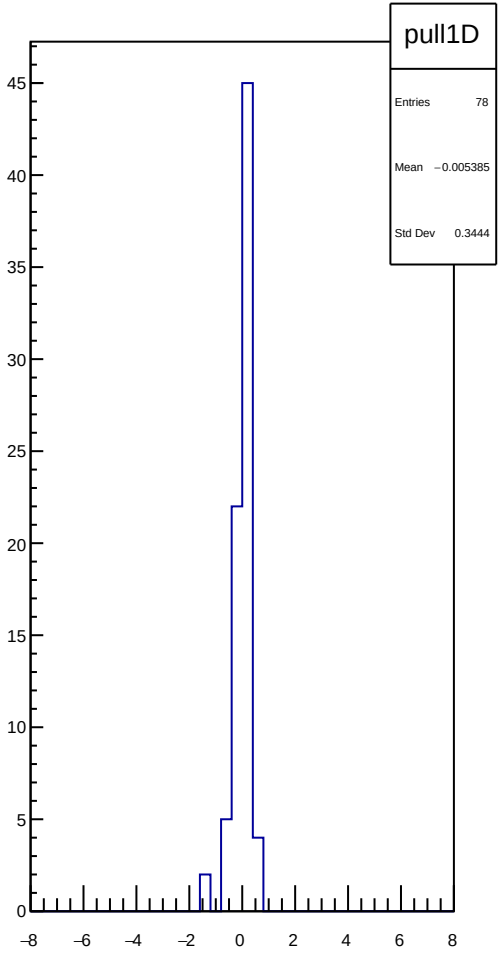

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 84.78 / 77
p0 −64.4 ± 0.3319
pull
Entries 78
Mean −1680
Std Dev 1720

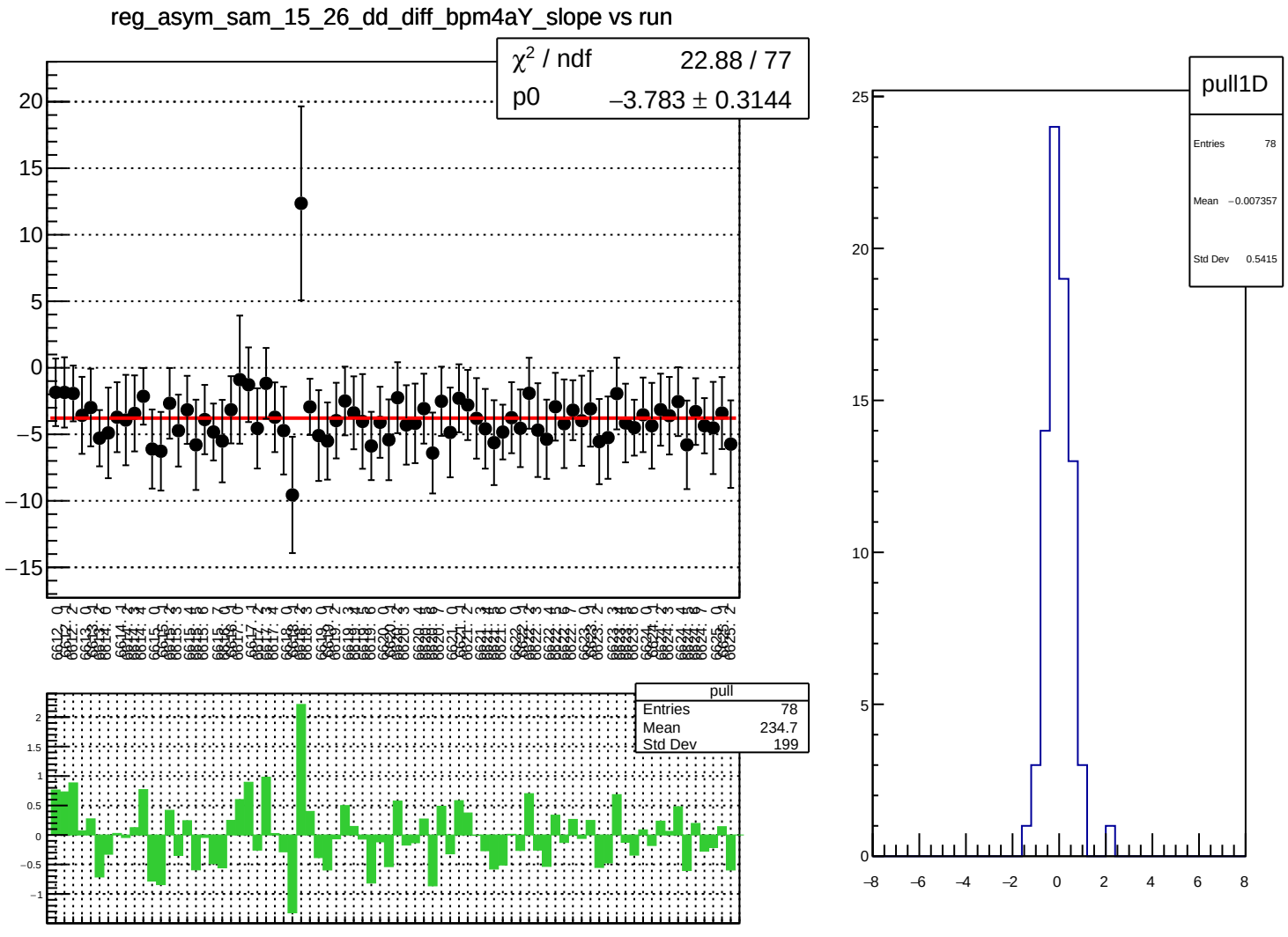

pull1D
Entries 78
Mean 0.001946
Std Dev 1.043

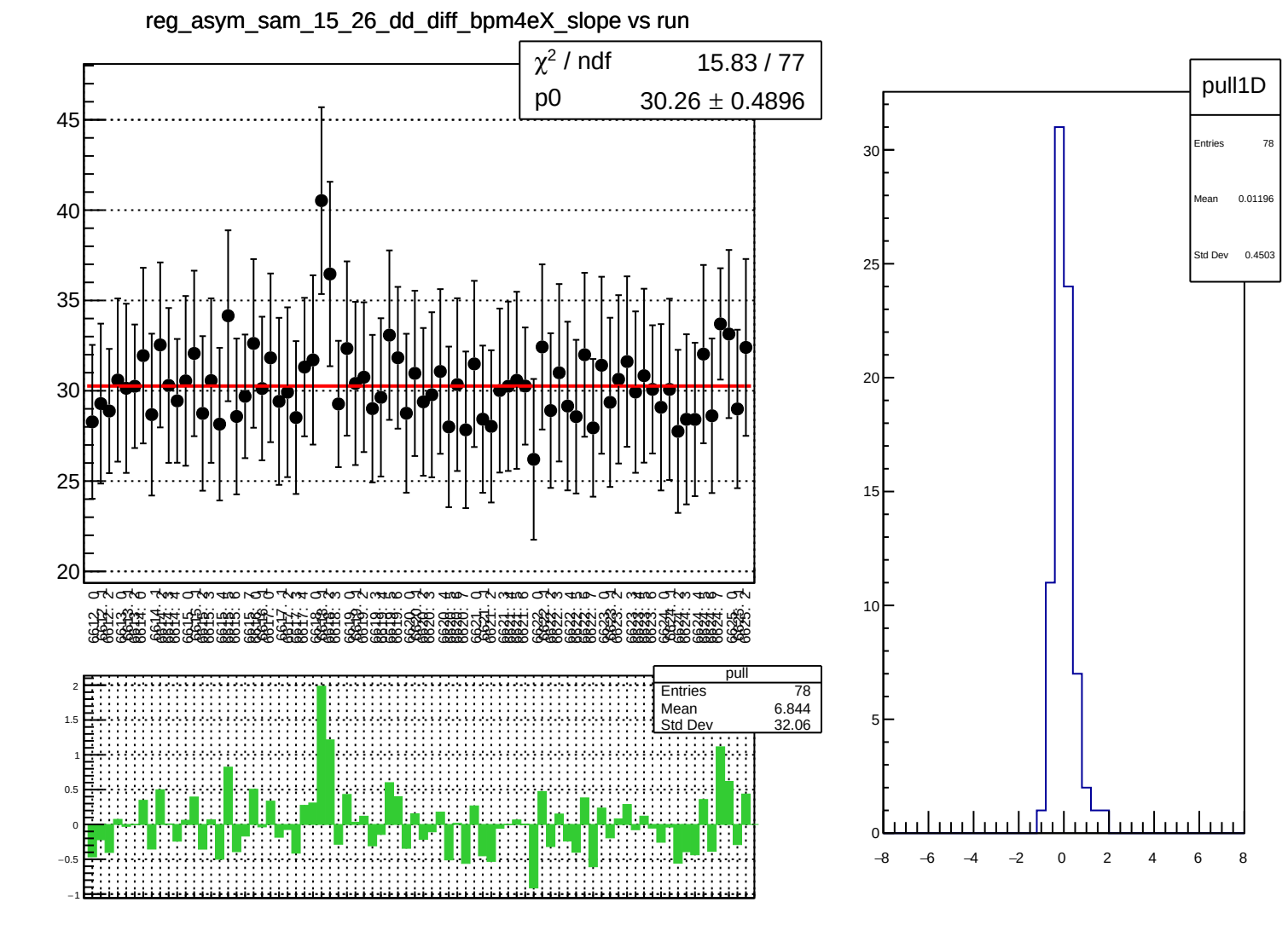

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 10.9 / 77
p0 0.1029 ± 0.01723
pull
Entries 78
Mean −722.3
Std Dev 767.7

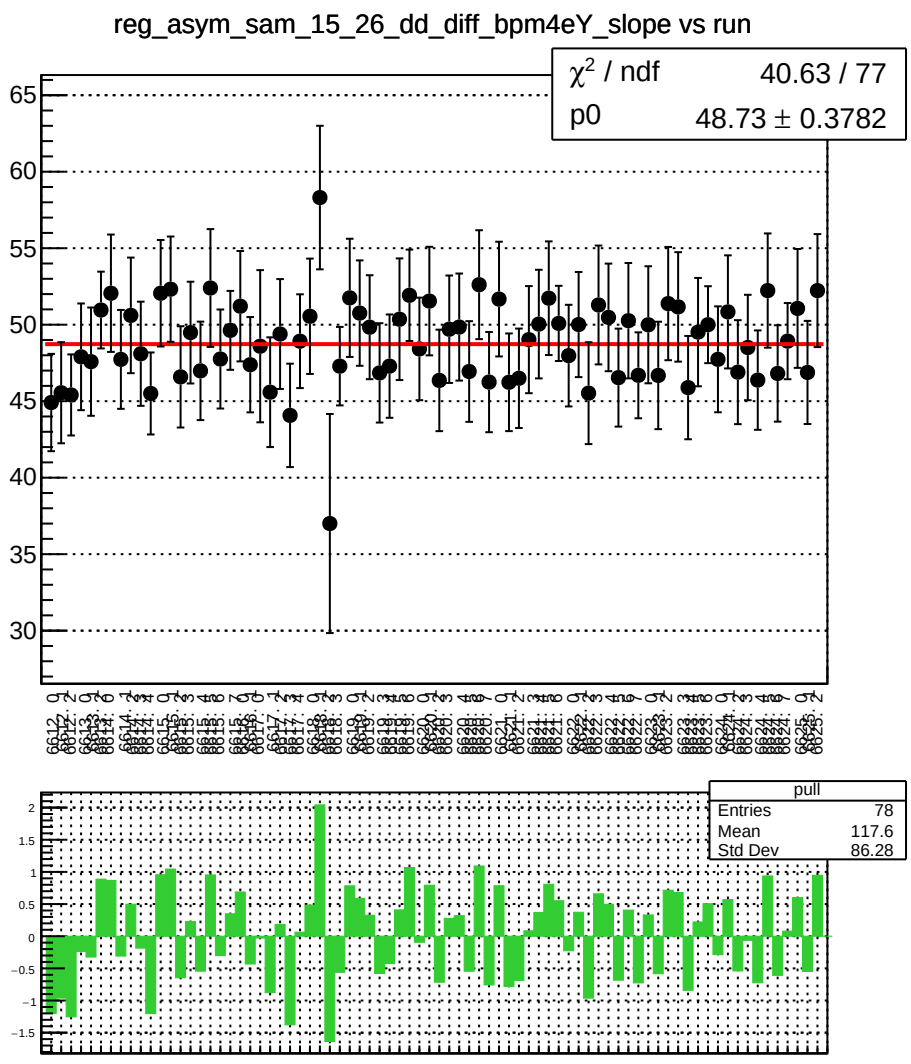

pull1D
Entries 78
Mean 0.004324
Std Dev 0.3739

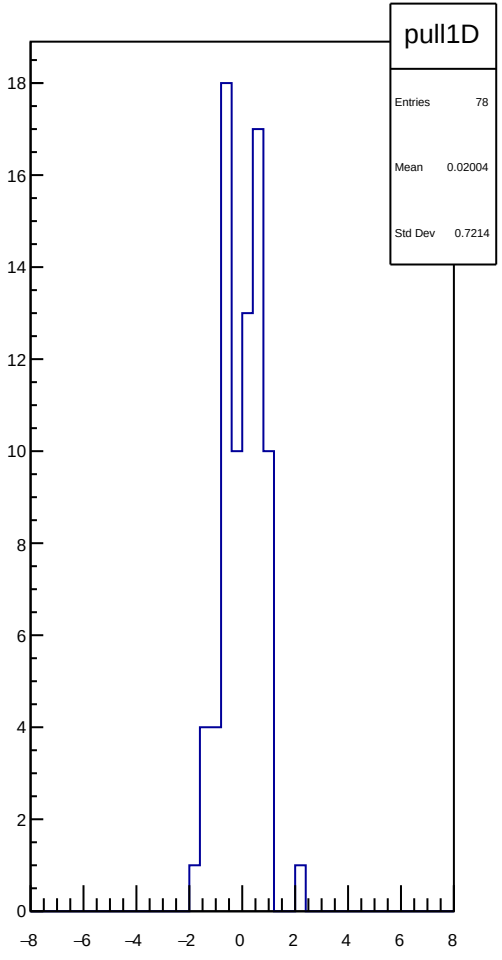

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 9.256 / 77
p0 4.168 ± 0.4591
pull
Entries 78
Mean 114.7
Std Dev 75.75

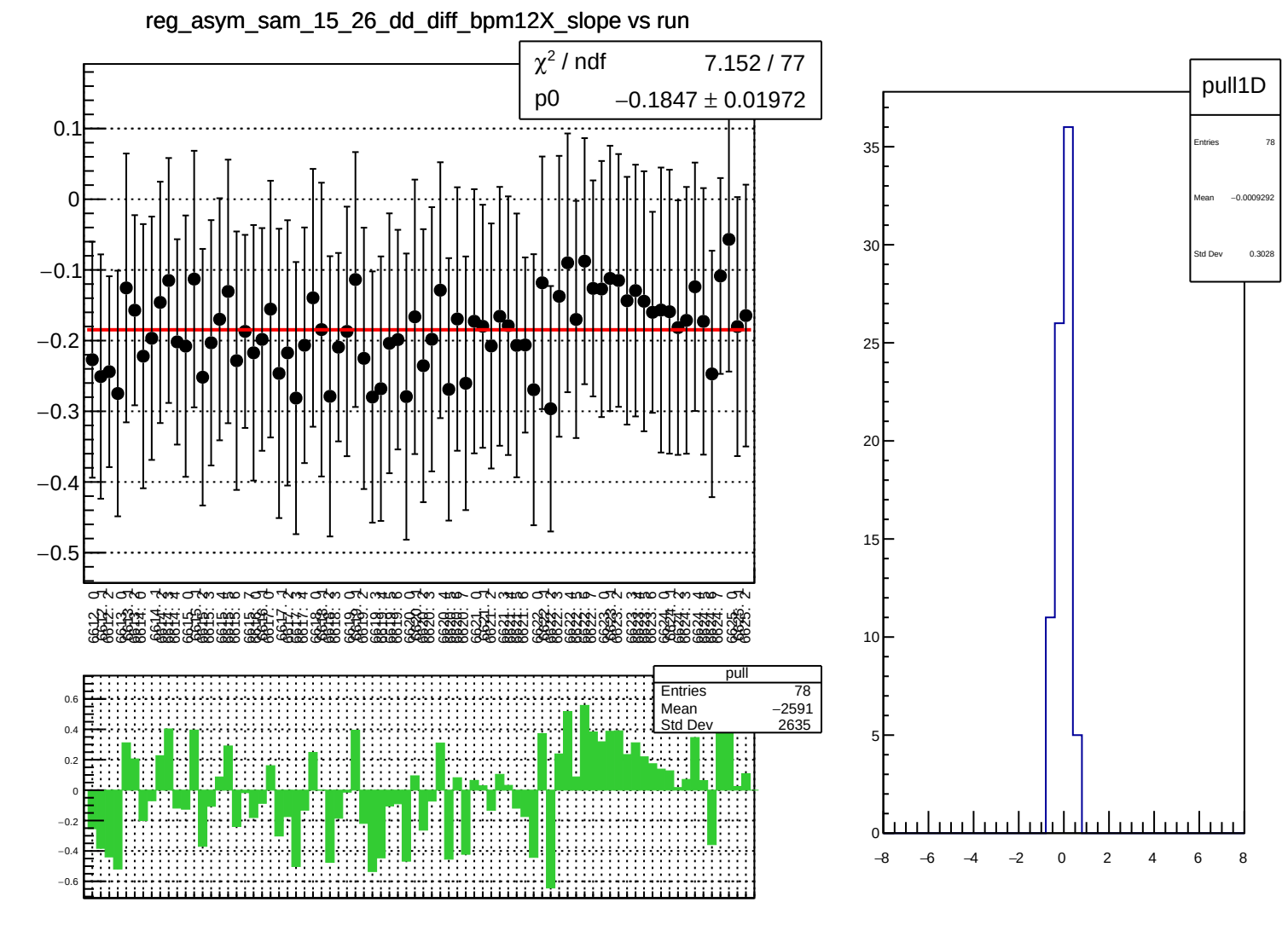

pull1D
Entries 78
Mean −0.005385
Std Dev 0.3444

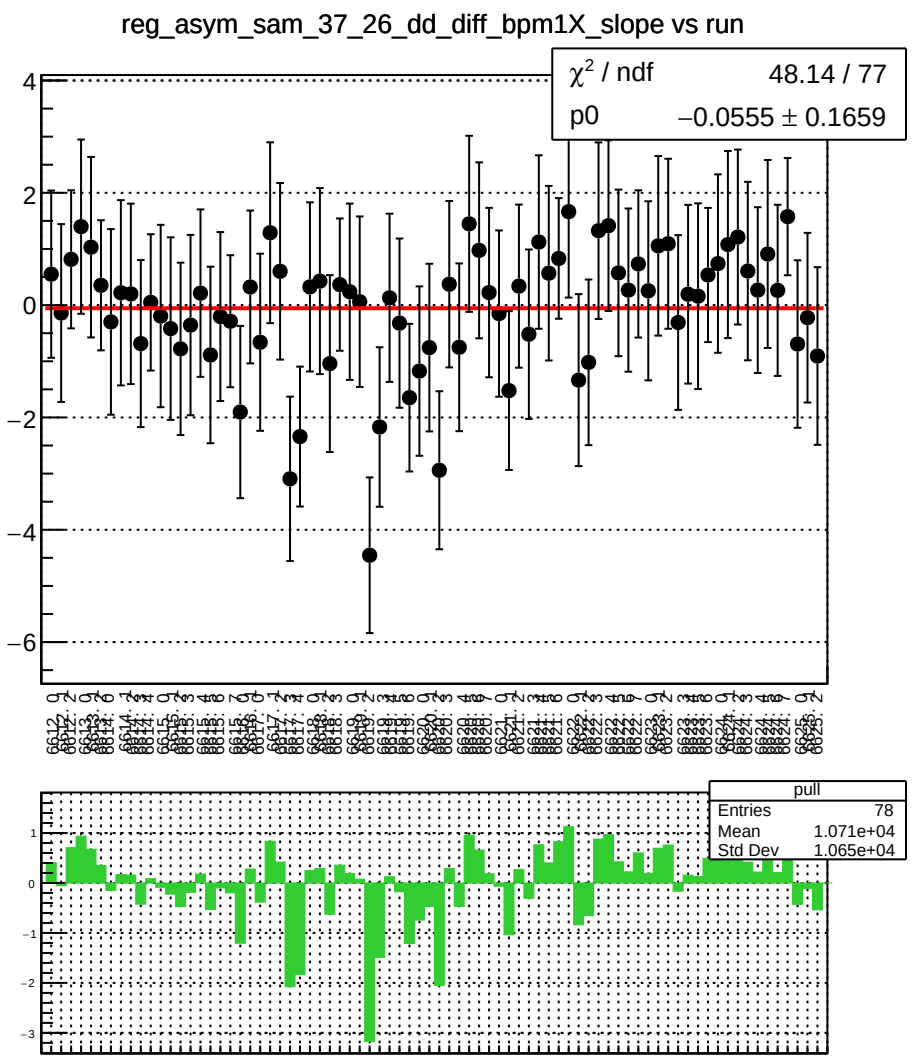

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 22.88 / 77
p0 −3.783 ± 0.3144
pull
Entries 78
Mean 234.7
Std Dev 199
pull1D
Entries 78
Mean −0.007357
Std Dev 0.5415

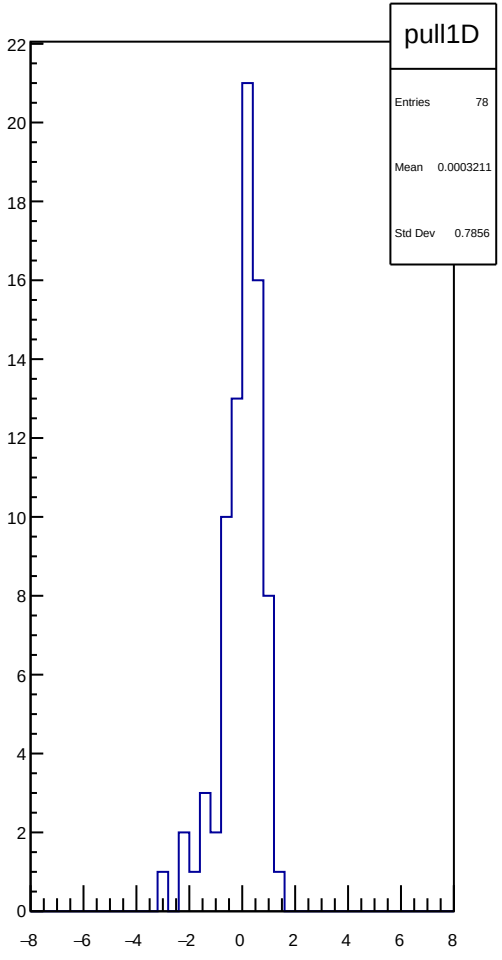

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 15.83 / 77
p0 30.26 ± 0.4896
pull
Entries 78
Mean 6.844
Std Dev 32.06
pull1D
Entries 78
Mean 0.01196
Std Dev 0.4503

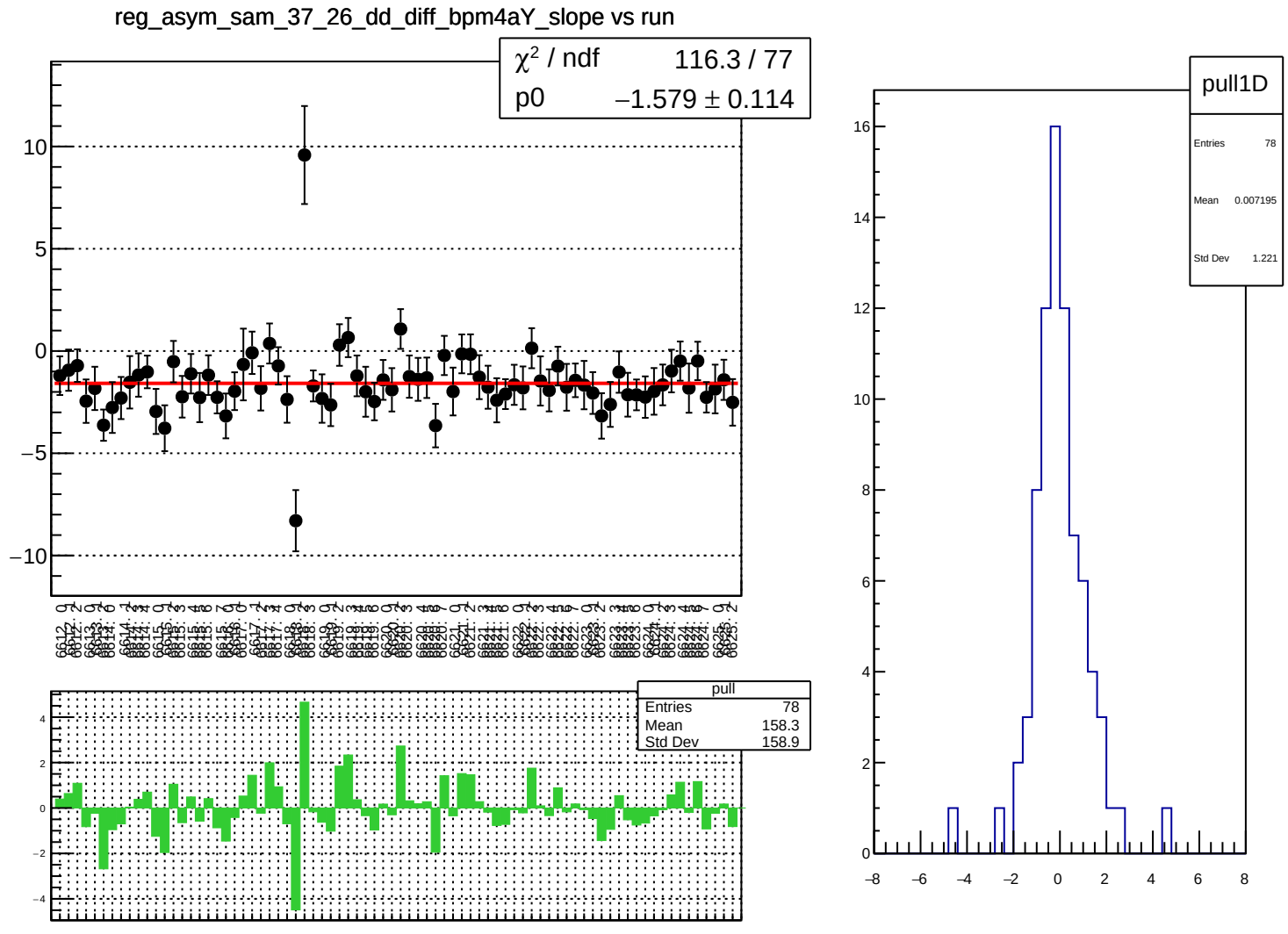

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 40.63 / 77
p0 48.73 ± 0.3782
pull
Entries 78
Mean 117.6
Std Dev 86.28

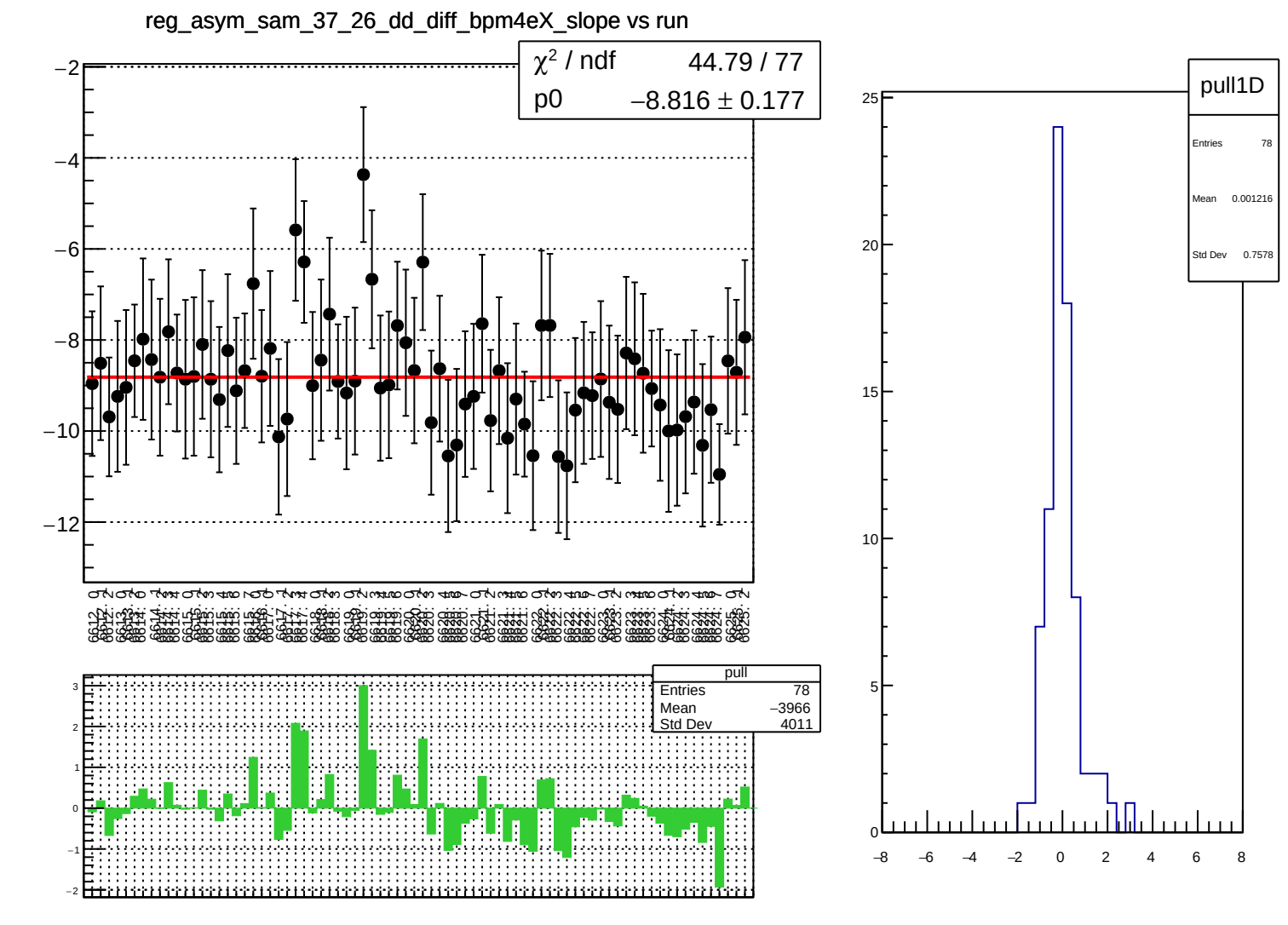

pull1D
Entries 78
Mean 0.02004
Std Dev 0.7214

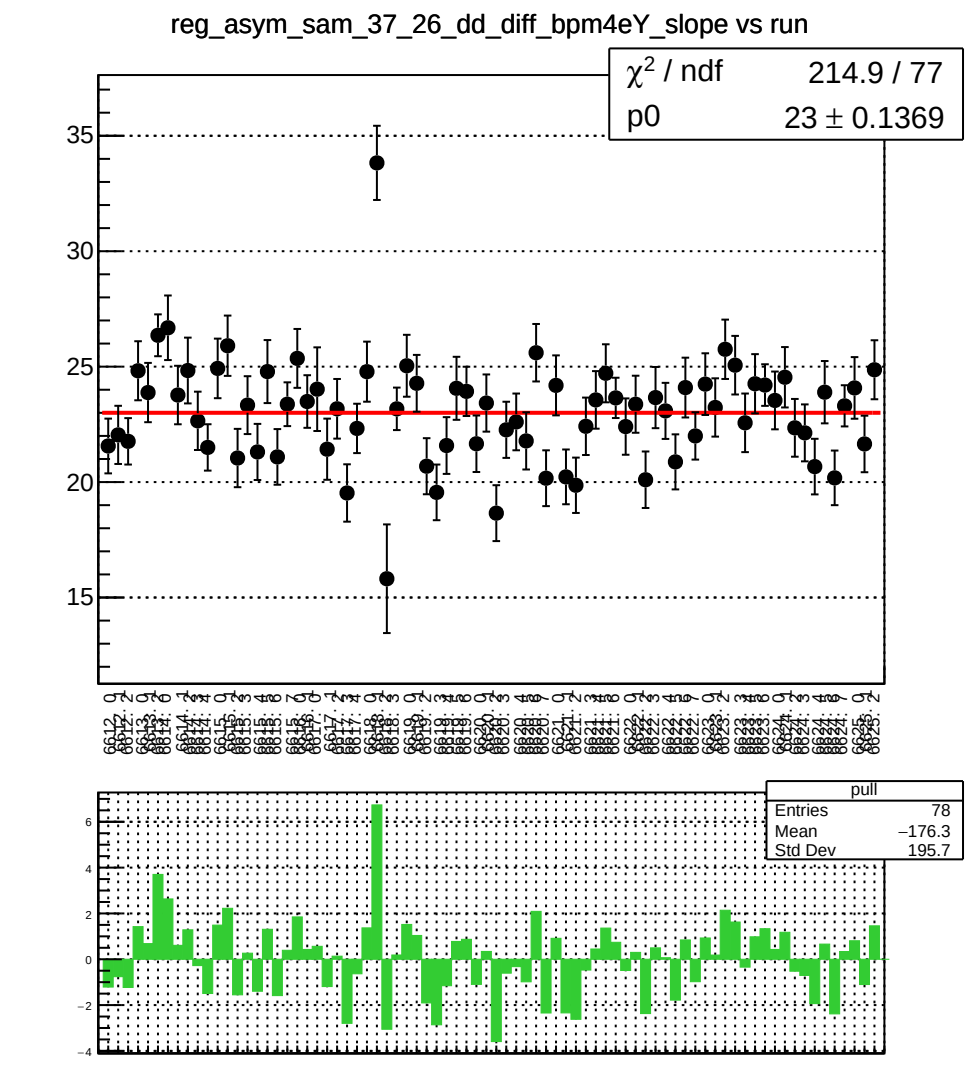

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 7.152 / 77
p0 −0.1847 ± 0.01972
pull
Entries 78
Mean −2591
Std Dev 2635
pull1D
Entries 78
Mean −0.0009292
Std Dev 0.3028

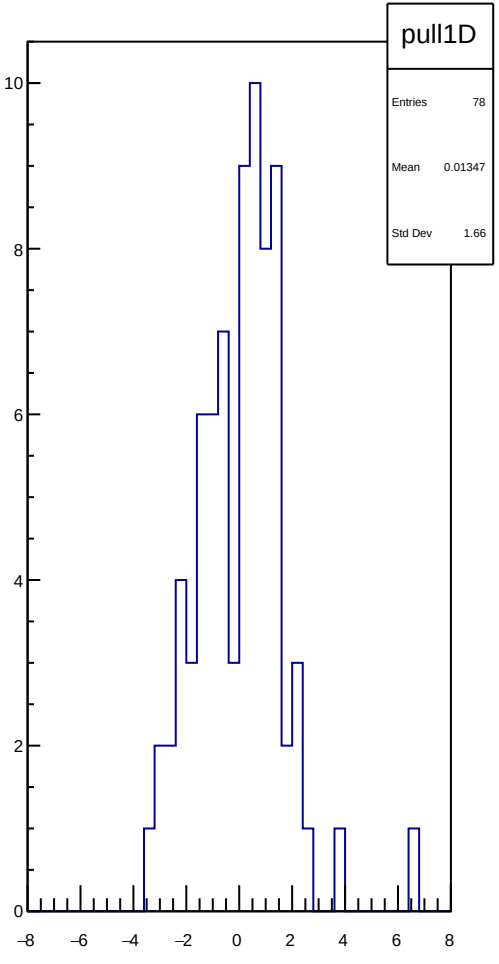

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 48.14 / 77
p0 −0.0555 ± 0.1659
pull
Entries 78
Mean 1.071e+04
Std Dev 1.065e+04

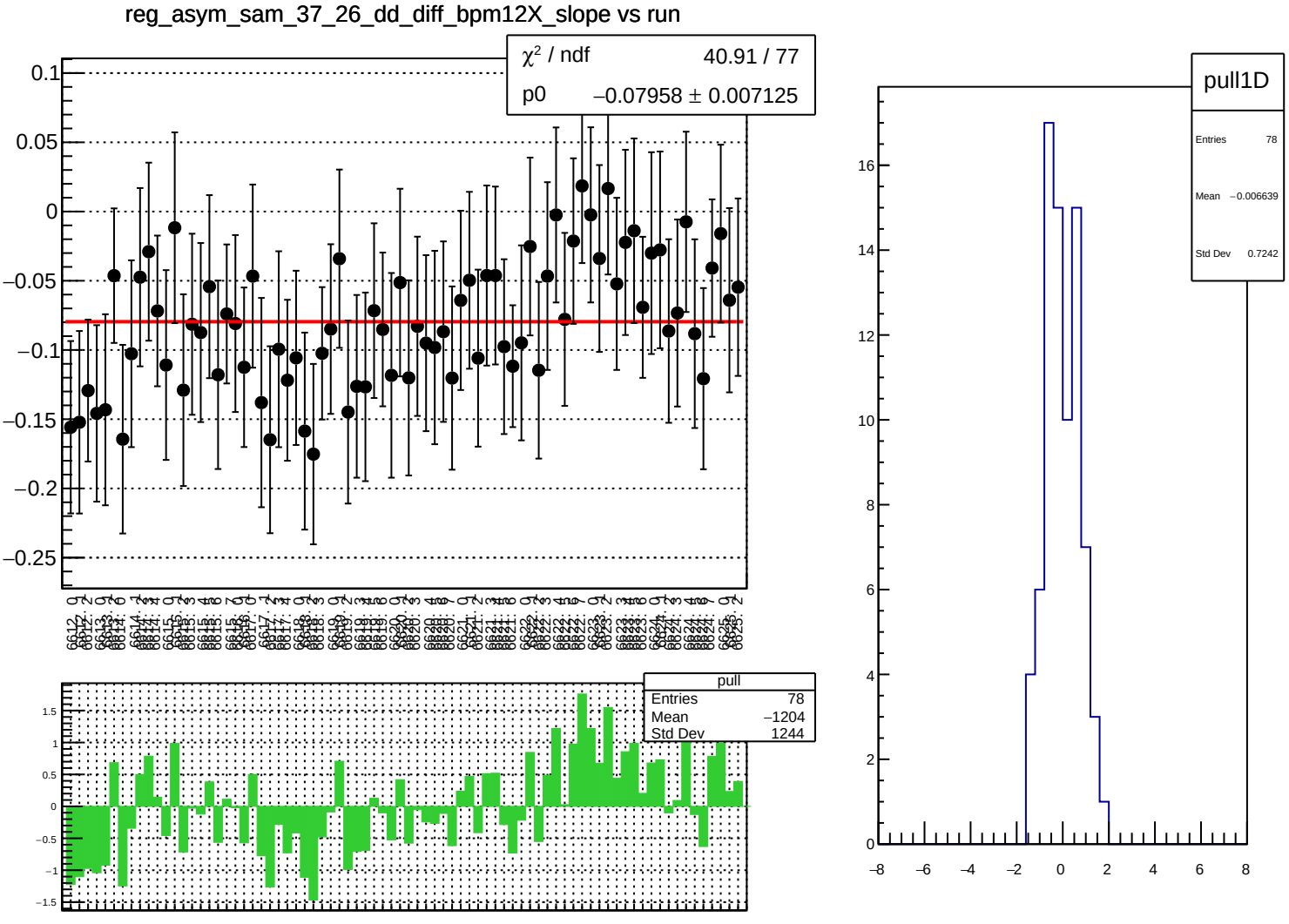

pull1D
Entries 78
Mean 0.0003211
Std Dev 0.7856

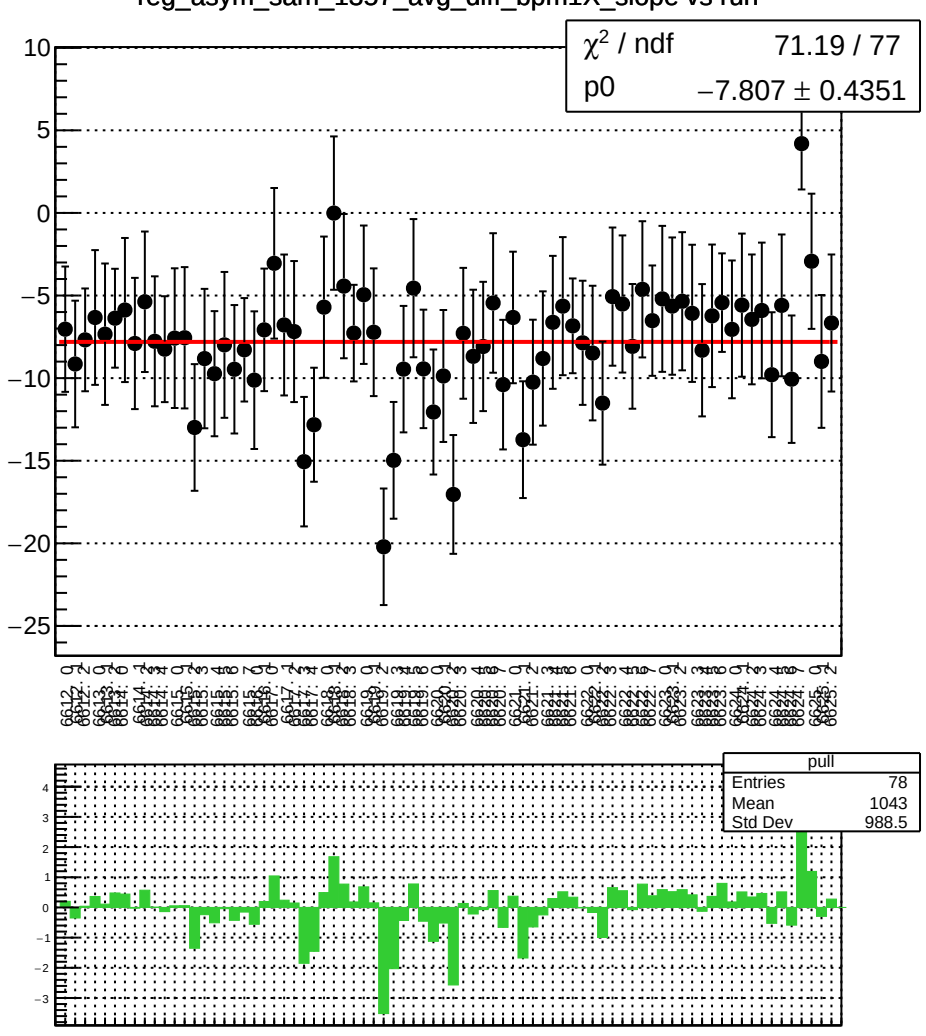

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 116.3 / 77
p0 −1.579 ± 0.114
pull
Entries 78
Mean 158.3
Std Dev 158.9
pull1D
Entries 78
Mean 0.007195
Std Dev 1.221

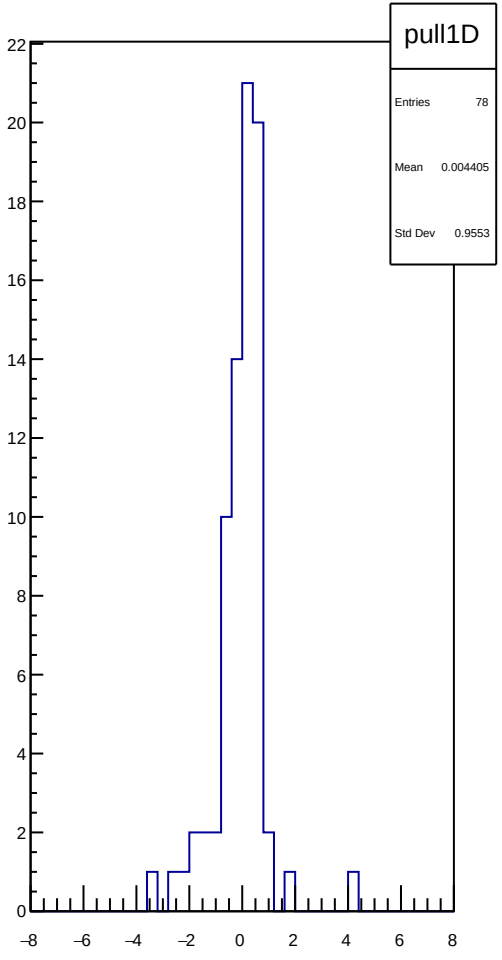

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 44.79 / 77
p0 −8.816 ± 0.177
pull
Entries 78
Mean −3966
Std Dev 4011
pull1D
Entries 78
Mean 0.001216
Std Dev 0.7578

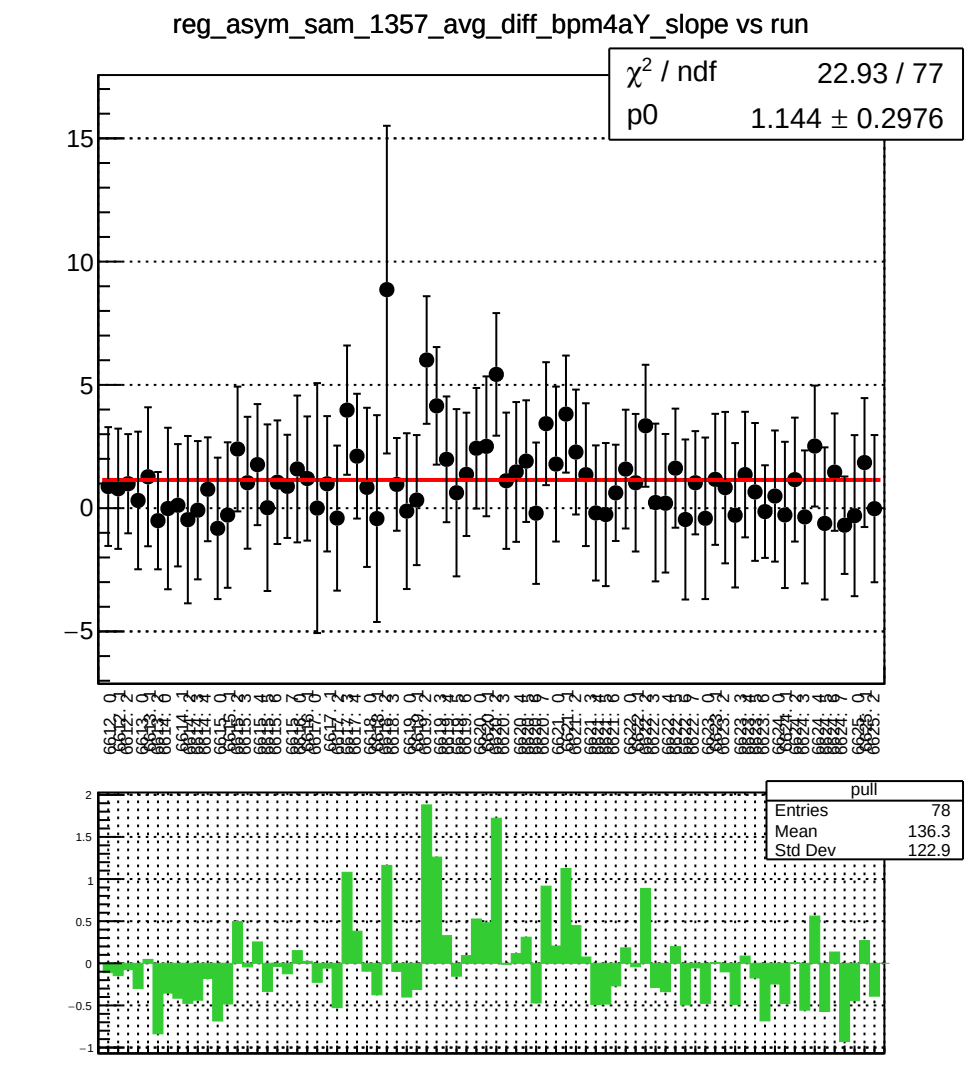

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 214.9 / 77
p0 23 ± 0.1369
pull
Entries 78
Mean −176.3
Std Dev 195.7

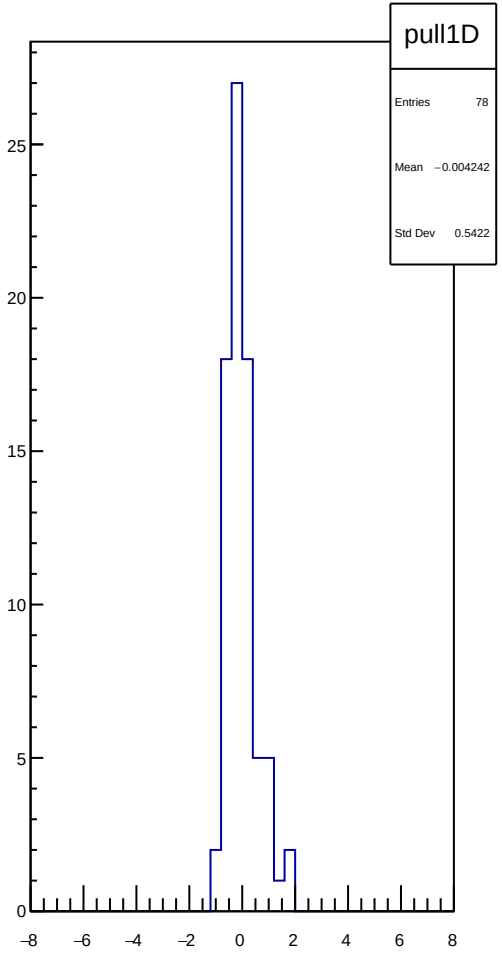

pull1D
Entries 78
Mean 0.01347
Std Dev 1.66

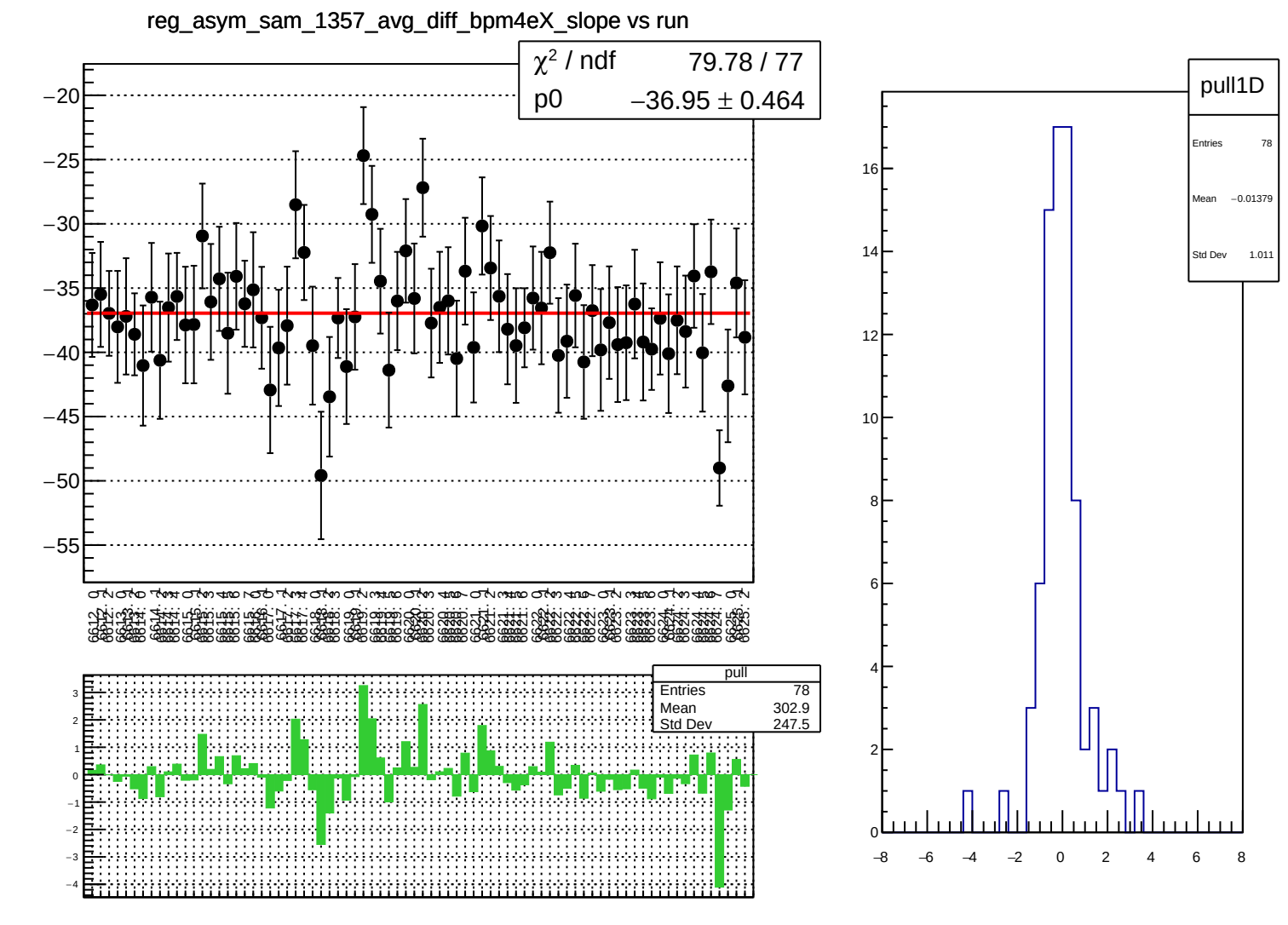

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 40.91 / 77
p0 −0.07958 ± 0.007125
pull
Entries 78
Mean −1204
Std Dev 1244
pull1D
Entries 78
Mean −0.006639
Std Dev 0.7242

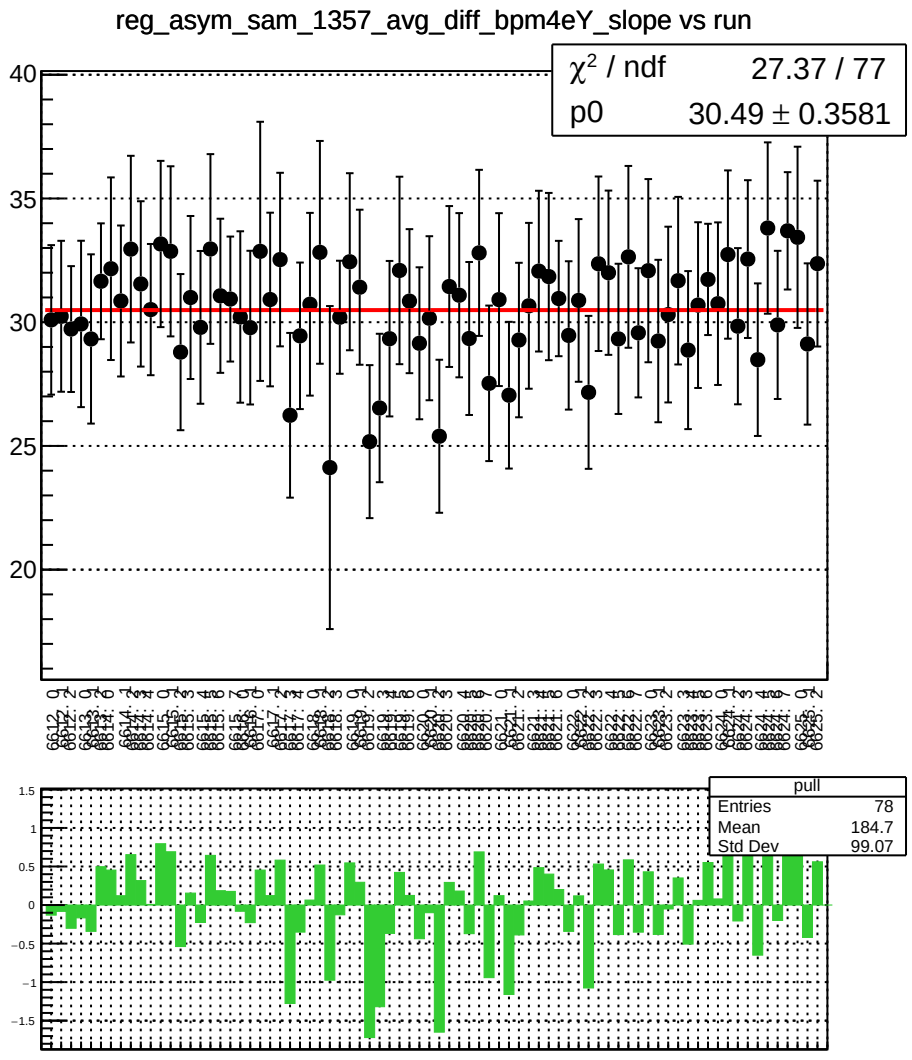

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 71.19 / 77
p0 −7.807 ± 0.4351
pull
Entries 78
Mean 1043
Std Dev 988.5

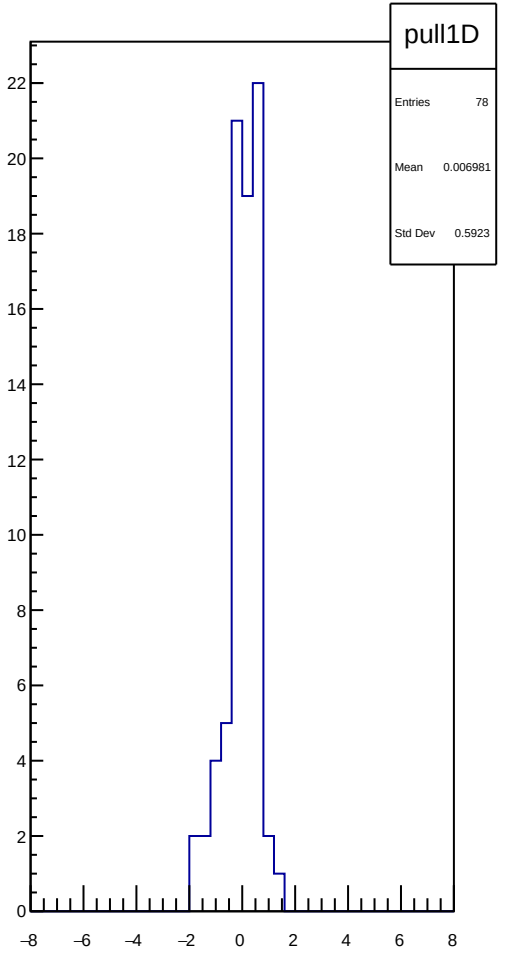

pull1D
Entries 78
Mean 0.004405
Std Dev 0.9553

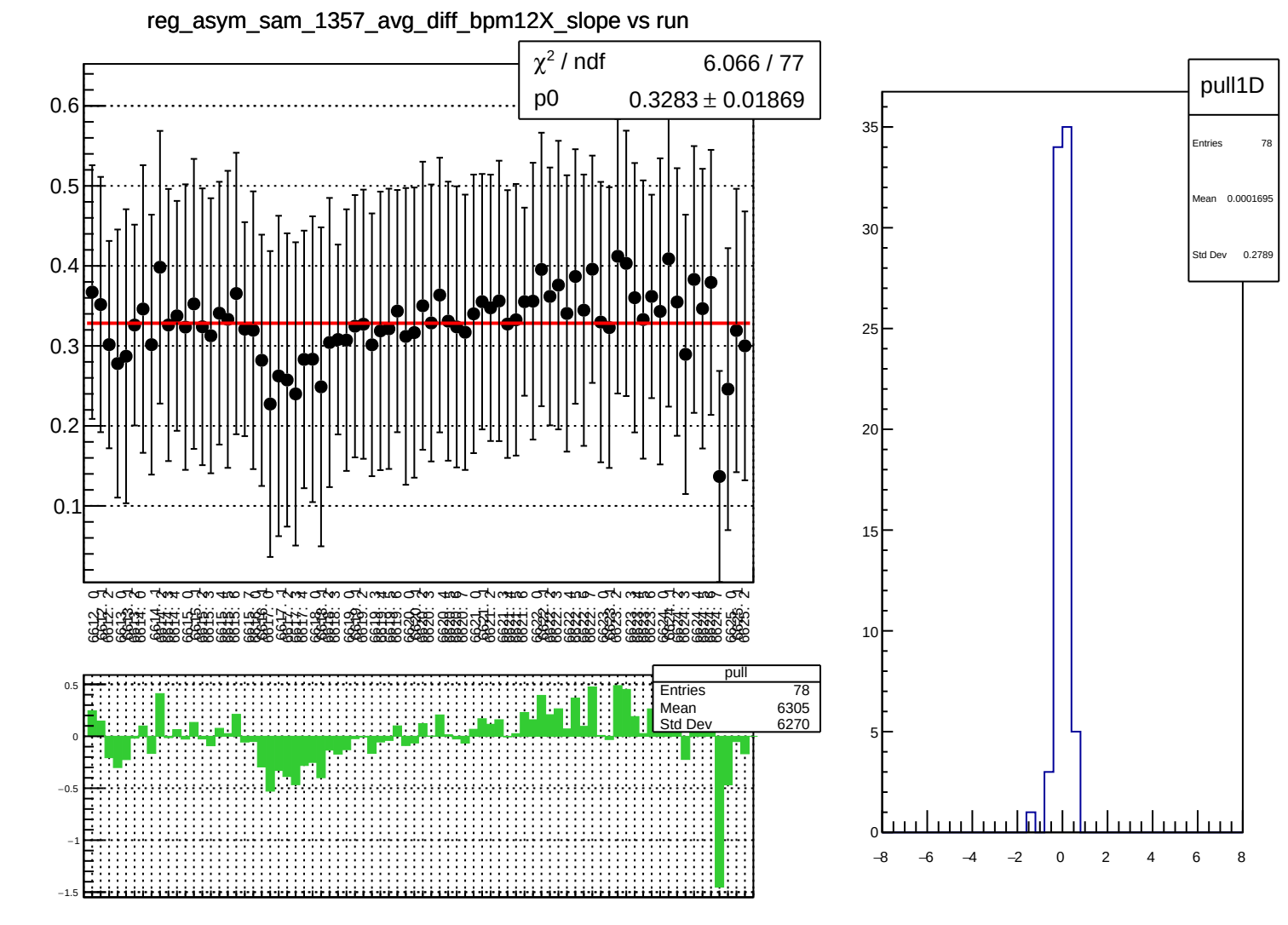

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 22.93 / 77
p0 1.144 ± 0.2976
pull
Entries 78
Mean 136.3
Std Dev 122.9

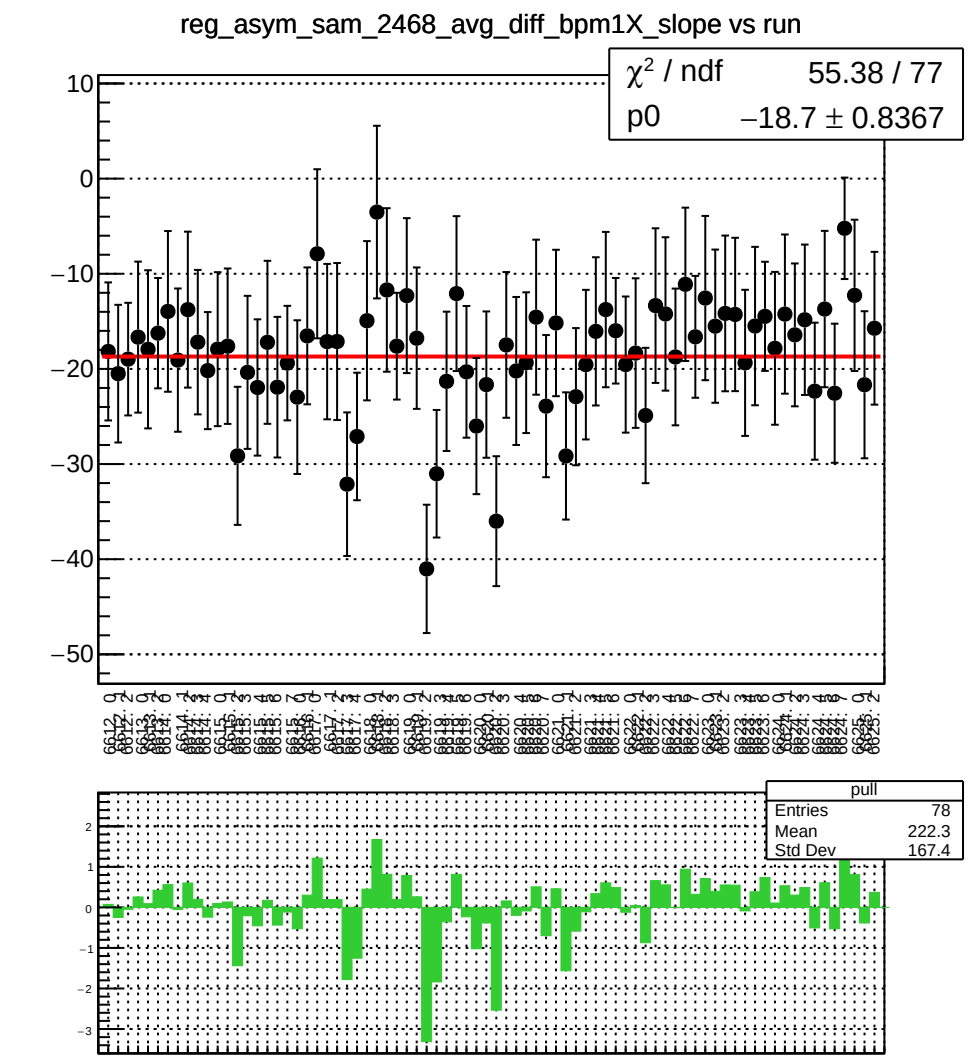

pull1D
Entries 78
Mean −0.004242
Std Dev 0.5422

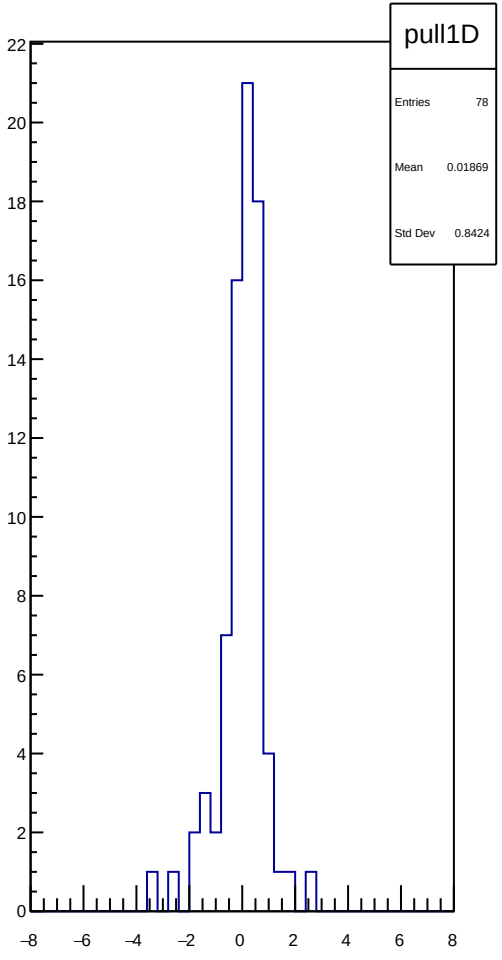

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 79.78 / 77
p0 −36.95 ± 0.464
pull
Entries 78
Mean 302.9
Std Dev 247.5
pull1D
Entries 78
Mean −0.01379
Std Dev 1.011

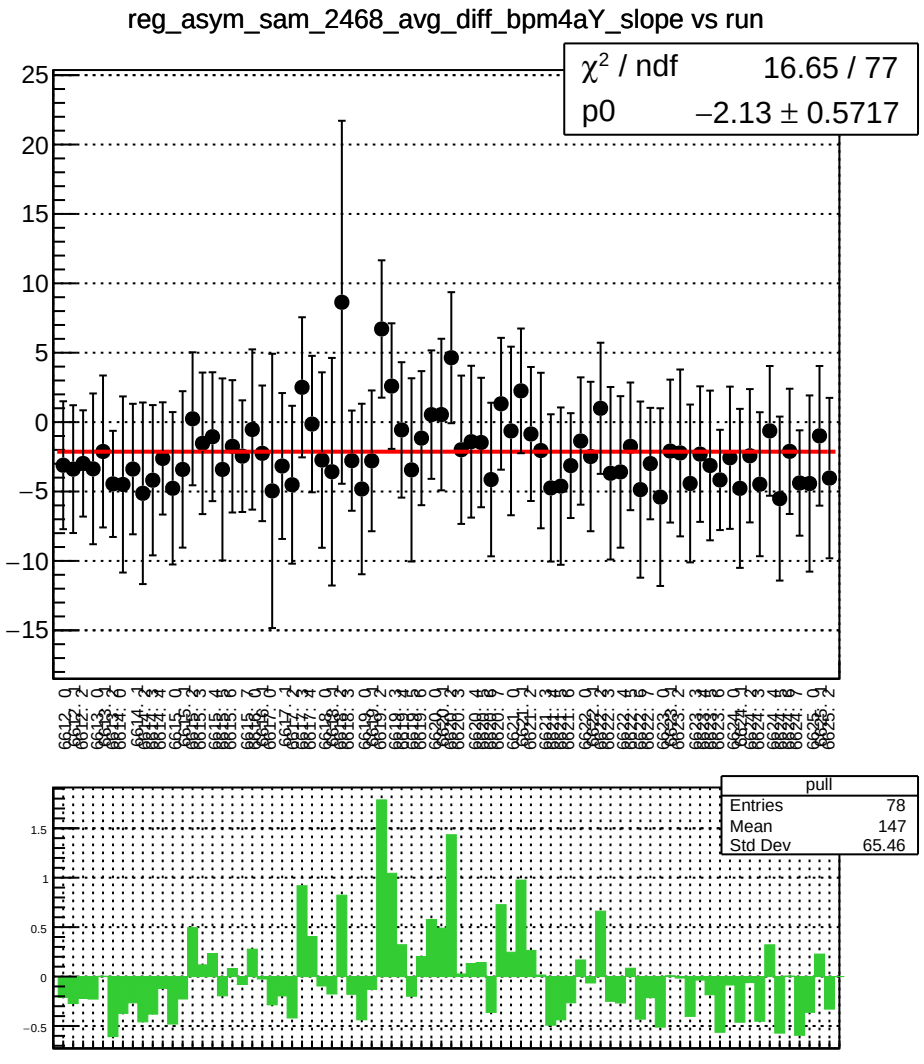

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 27.37 / 77
p0 30.49 ± 0.3581
pull
Entries 78
Mean 184.7
Std Dev 99.07

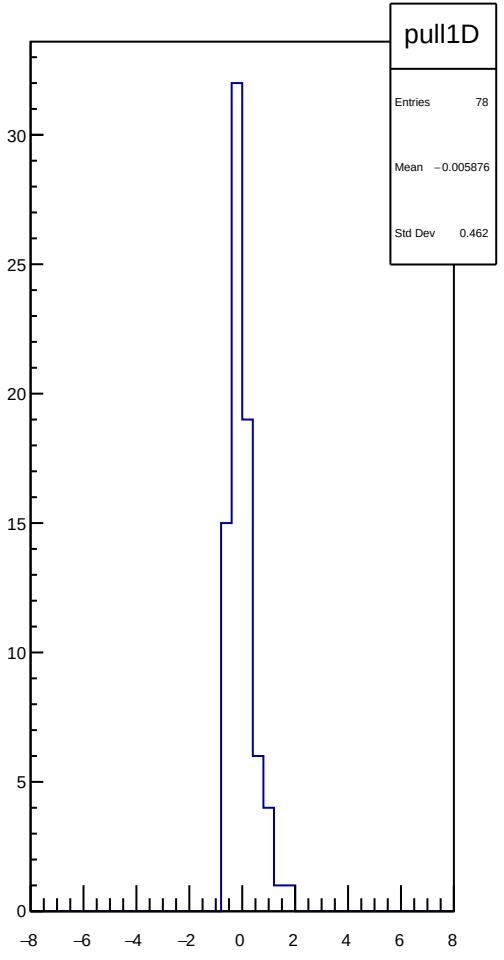

pull1D
Entries 78
Mean 0.006981
Std Dev 0.5923

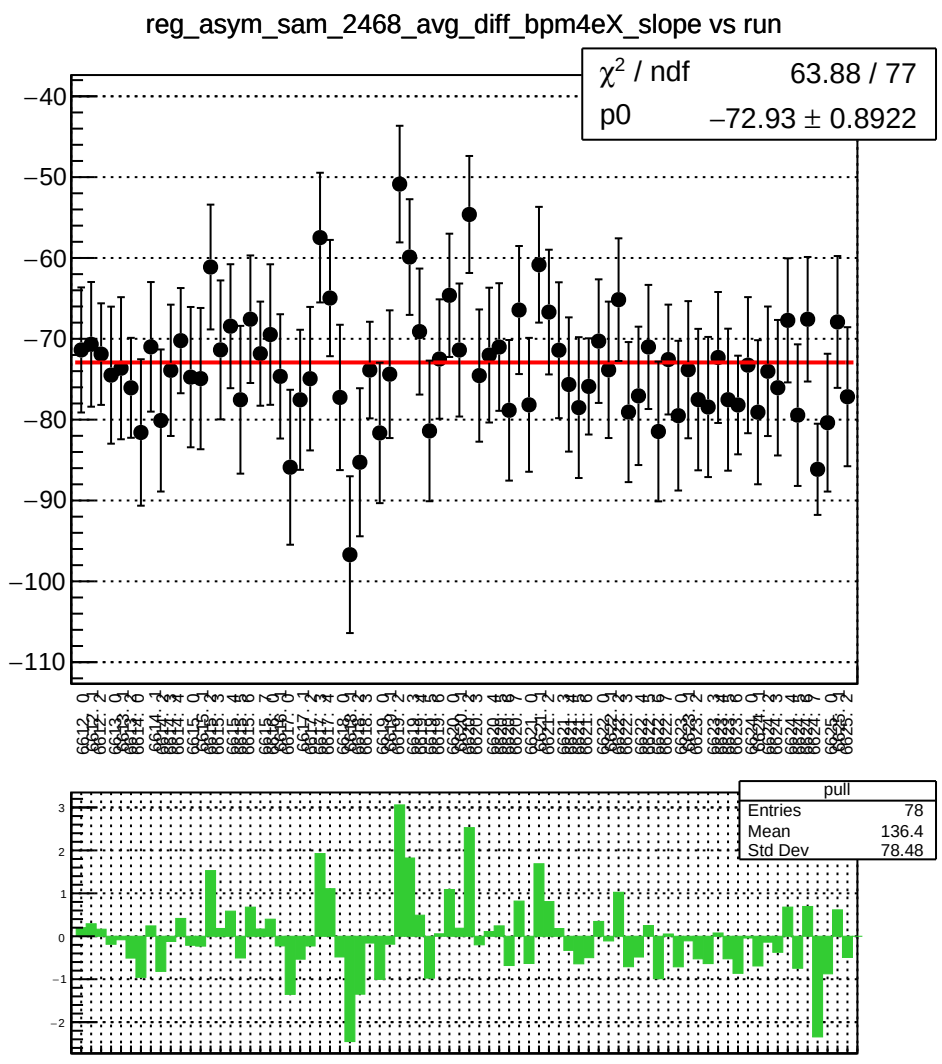

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 6.066 / 77
p0 0.3283 ± 0.01869
pull
Entries 78
Mean 6305
Std Dev 6270
pull1D
Entries 78
Mean 0.0001695
Std Dev 0.2789

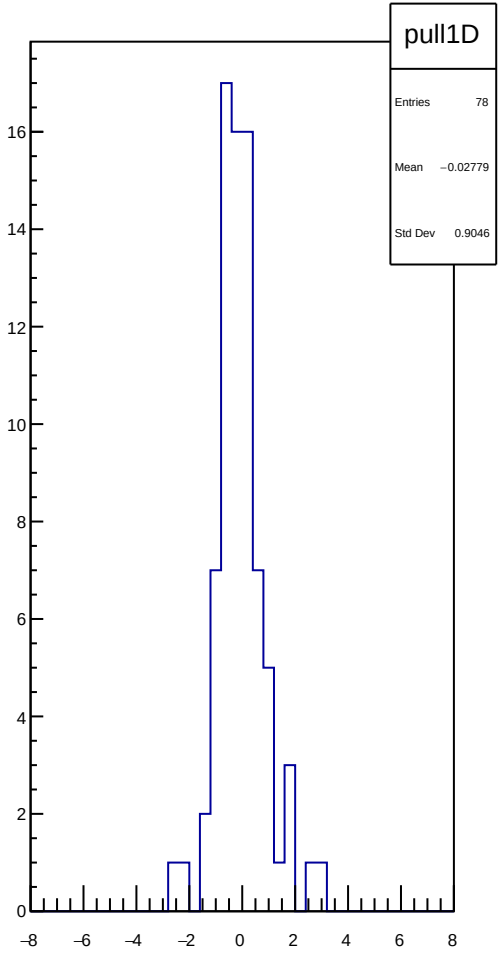

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 55.38 / 77
p0 −18.7 ± 0.8367
pull
Entries 78
Mean 222.3
Std Dev 167.4

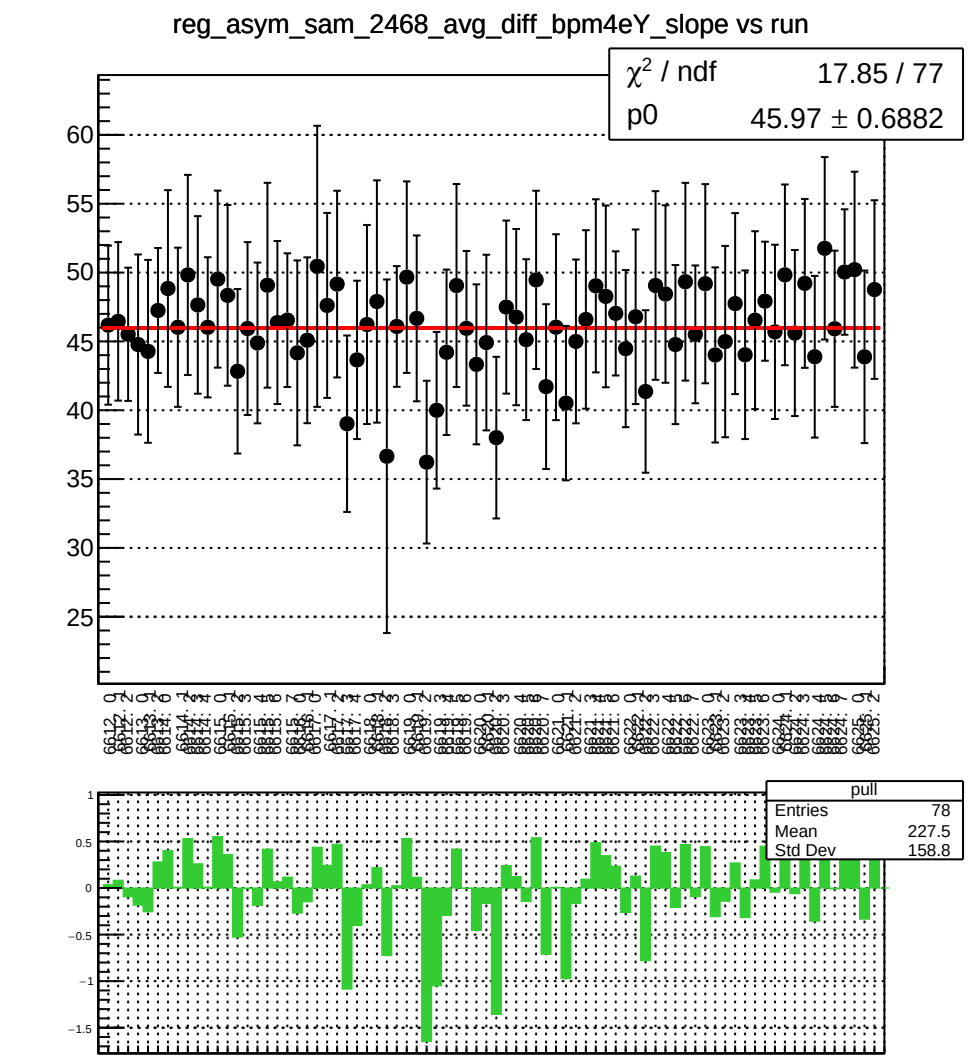

pull1D
Entries 78
Mean 0.01869
Std Dev 0.8424

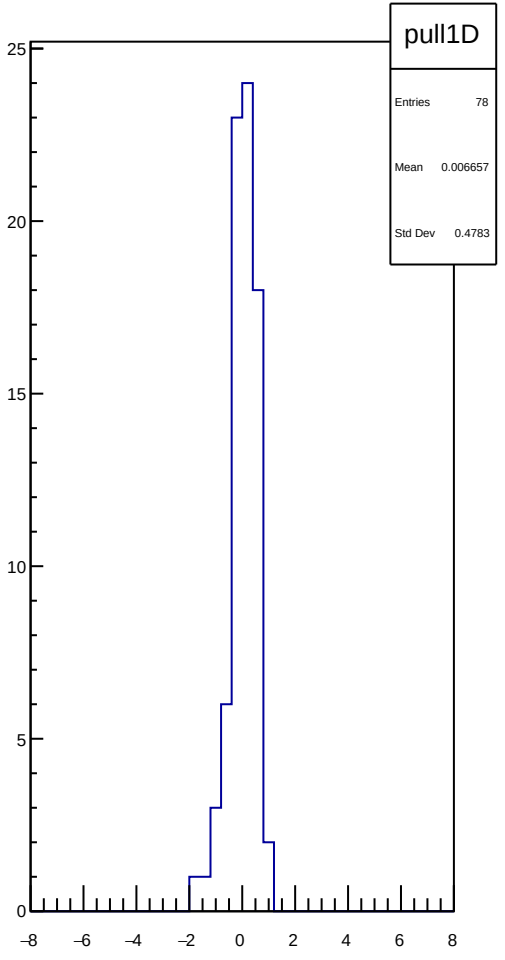

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 16.65 / 77
p0 −2.13 ± 0.5717
pull
Entries 78
Mean 147
Std Dev 65.46

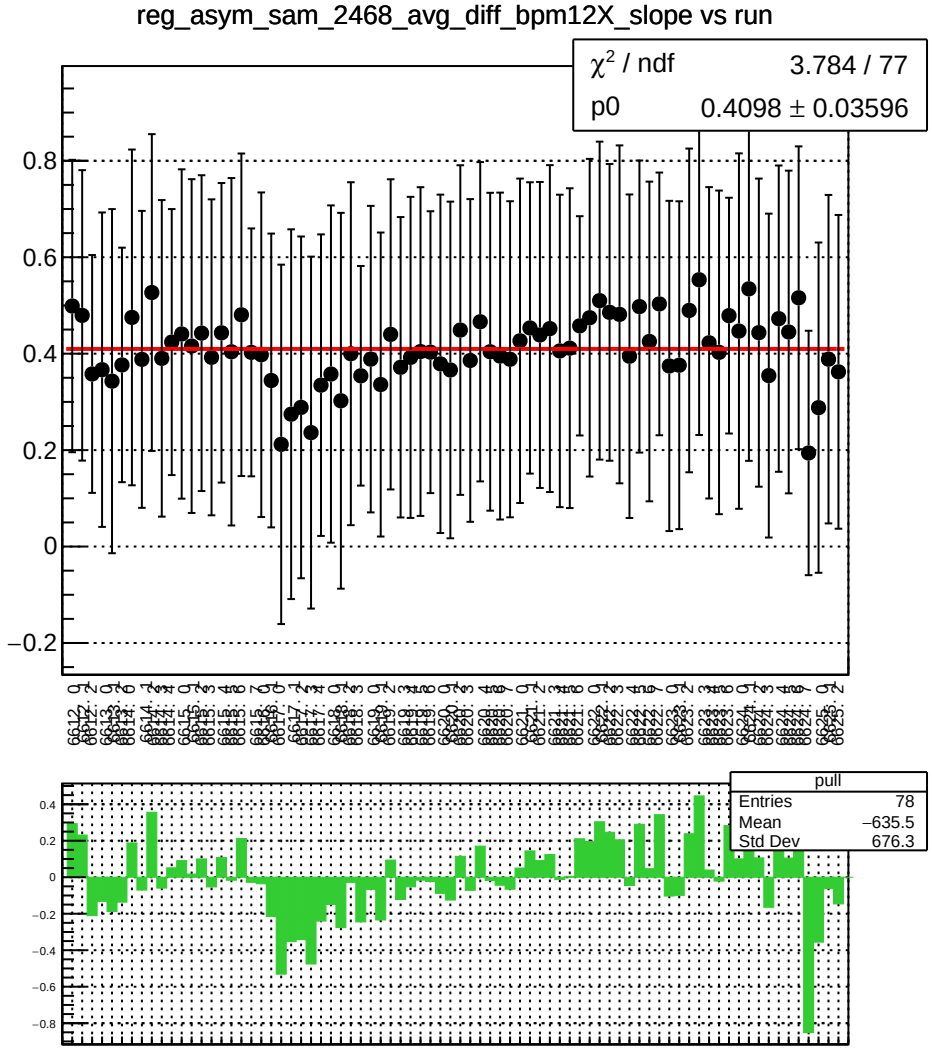

pull1D
Entries 78
Mean −0.005876
Std Dev 0.462

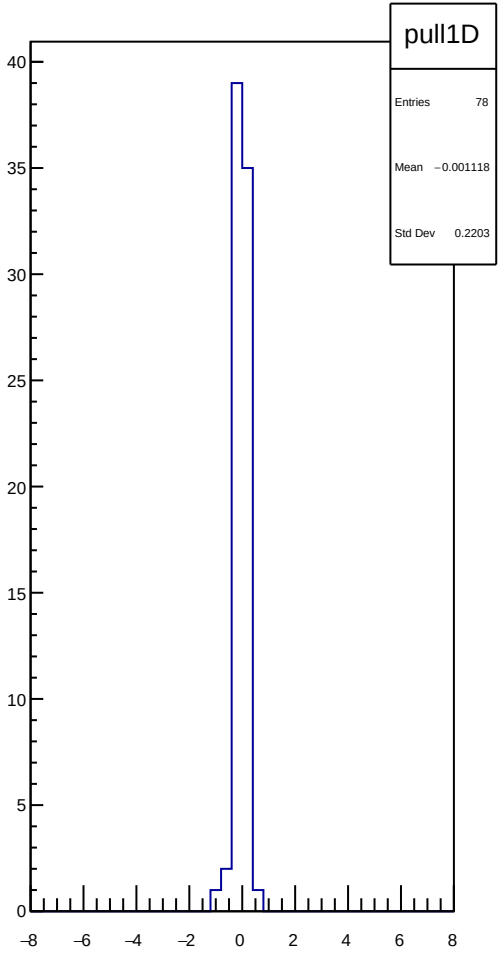

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 63.88 / 77
p0 −72.93 ± 0.8922
pull
Entries 78
Mean 136.4
Std Dev 78.48

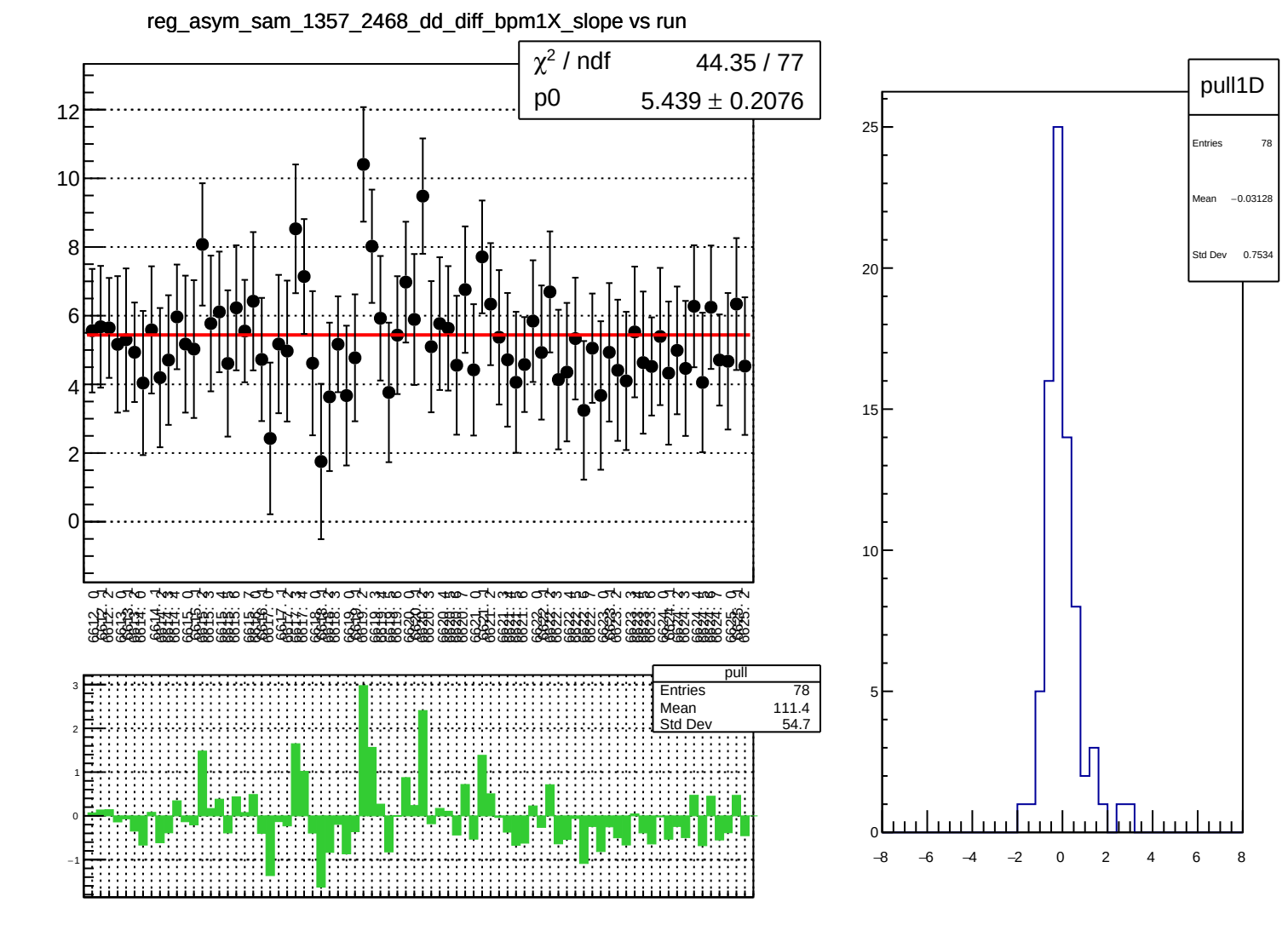

pull1D
Entries 78
Mean −0.02779
Std Dev 0.9046

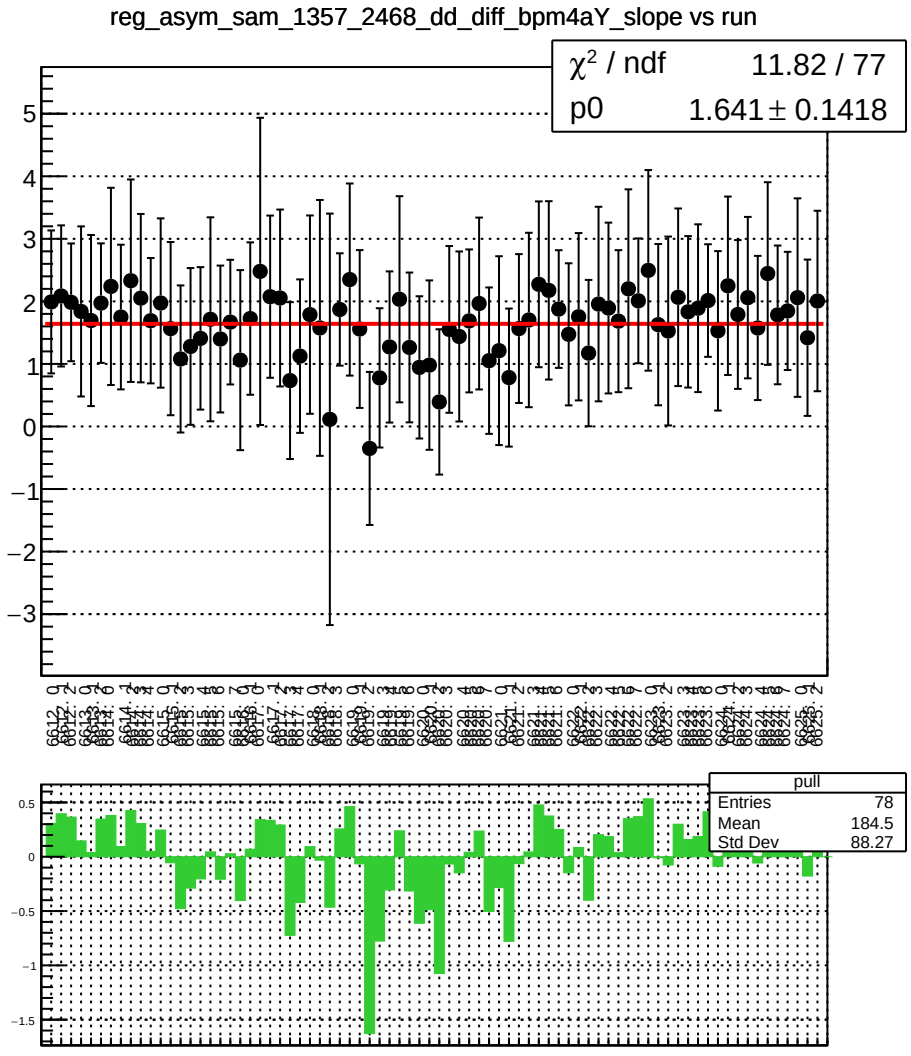

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 17.85 / 77
p0 45.97 ± 0.6882
pull
Entries 78
Mean 227.5
Std Dev 158.8

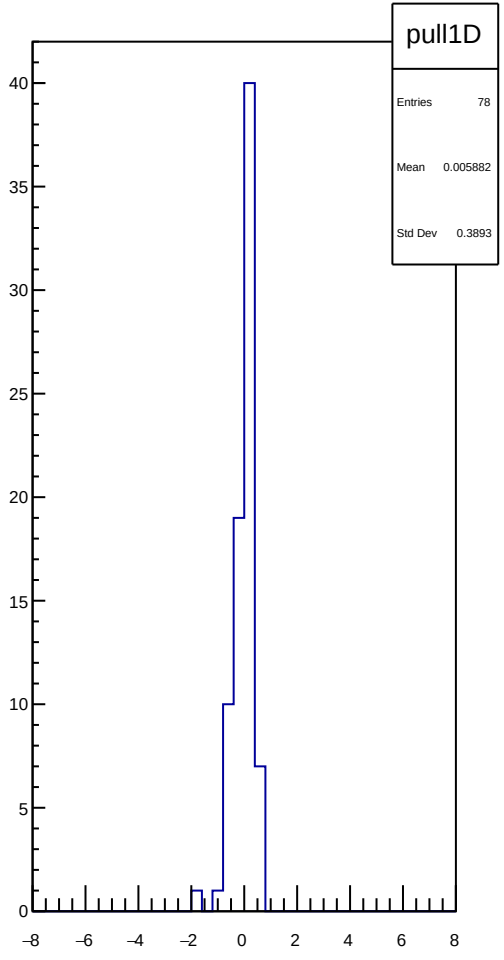

pull1D
Entries 78
Mean 0.006657
Std Dev 0.4783

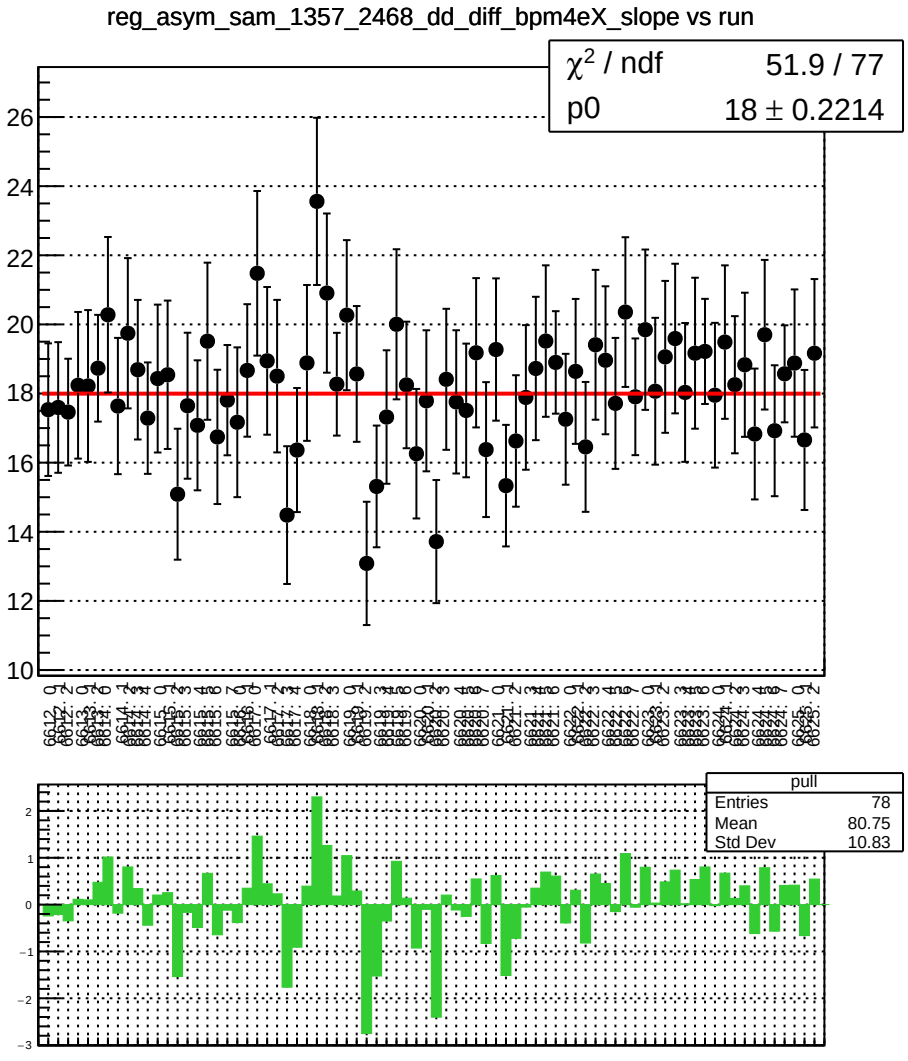

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 3.784 / 77
p0 0.4098 ± 0.03596
pull
Entries 78
Mean −635.5
Std Dev 676.3

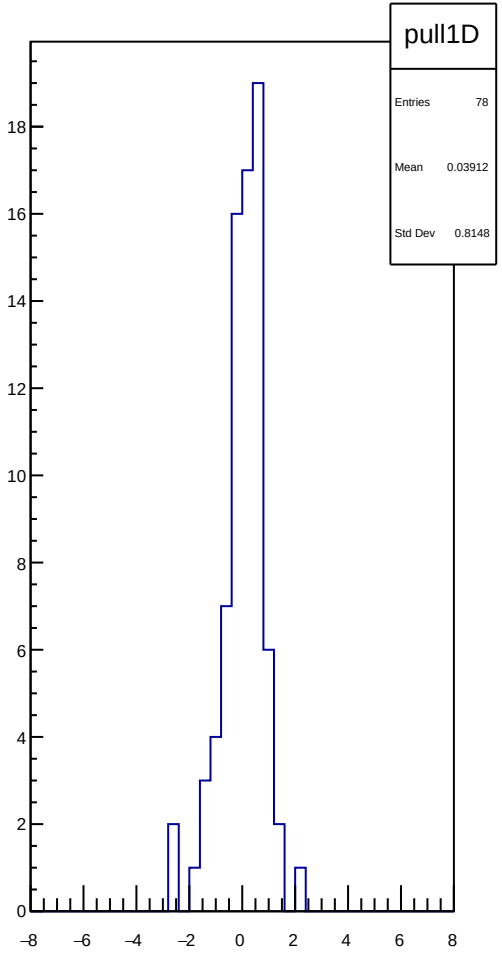

pull1D
Entries 78
Mean −0.001118
Std Dev 0.2203

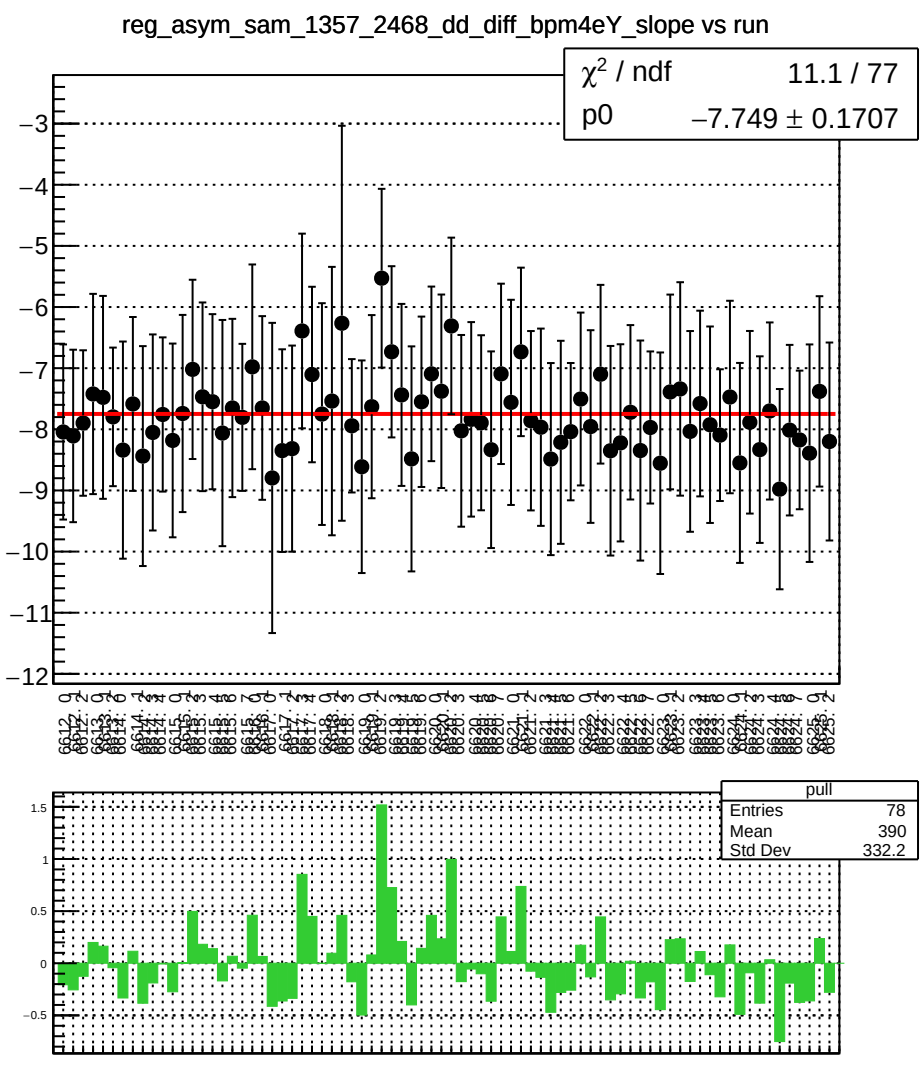

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 44.35 / 77
p0 5.439 ± 0.2076
pull
Entries 78
Mean 111.4
Std Dev 54.7
pull1D
Entries 78
Mean −0.03128
Std Dev 0.7534

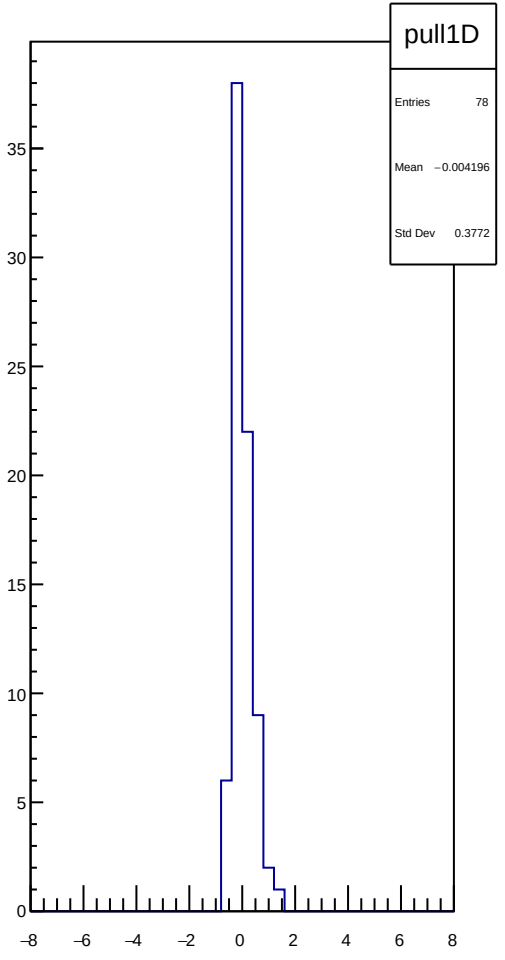

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.82 / 77
p0 1.641 ± 0.1418
pull
Entries 78
Mean 184.5
Std Dev 88.27

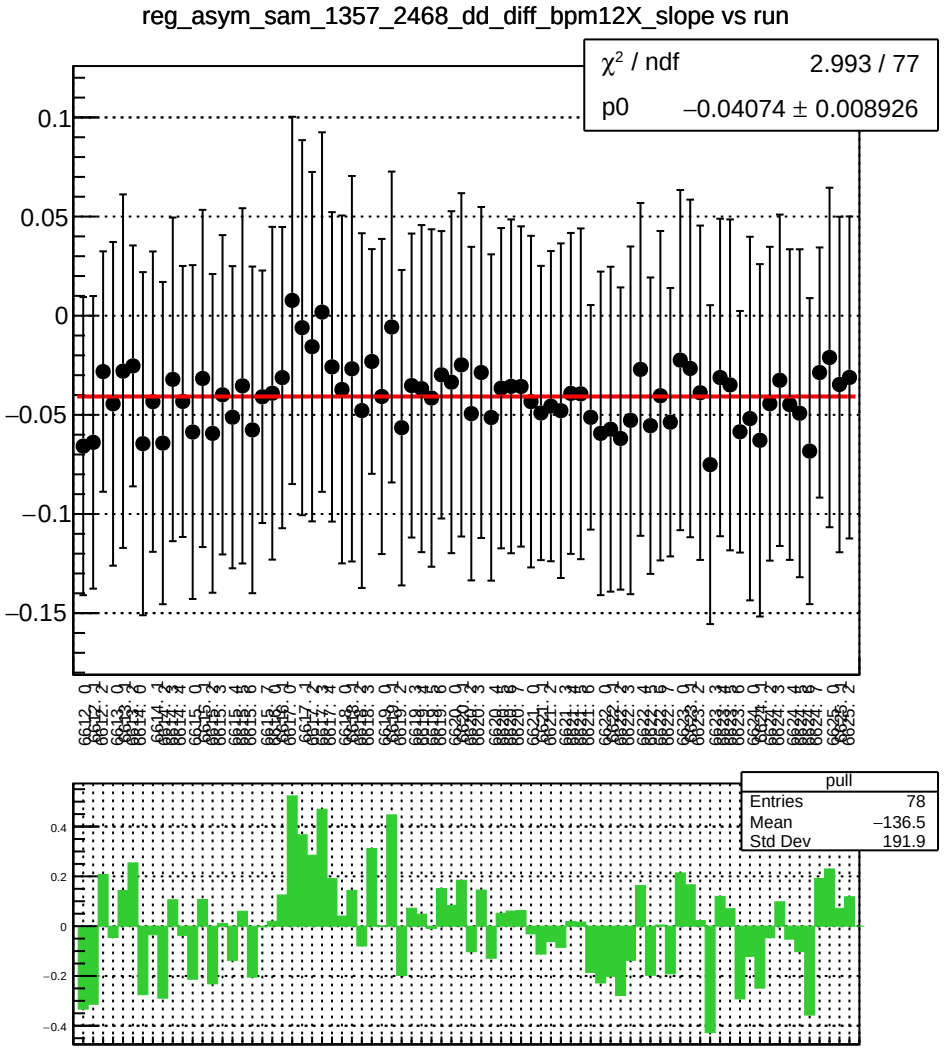

pull1D
Entries 78
Mean 0.005882
Std Dev 0.3893

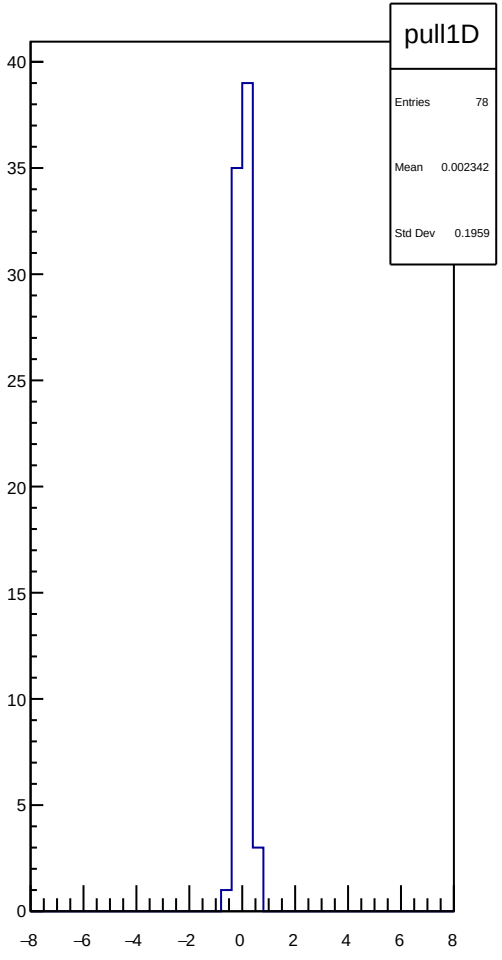

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 51.9 / 77
p0 18 ± 0.2214
pull
Entries 78
Mean 80.75
Std Dev 10.83

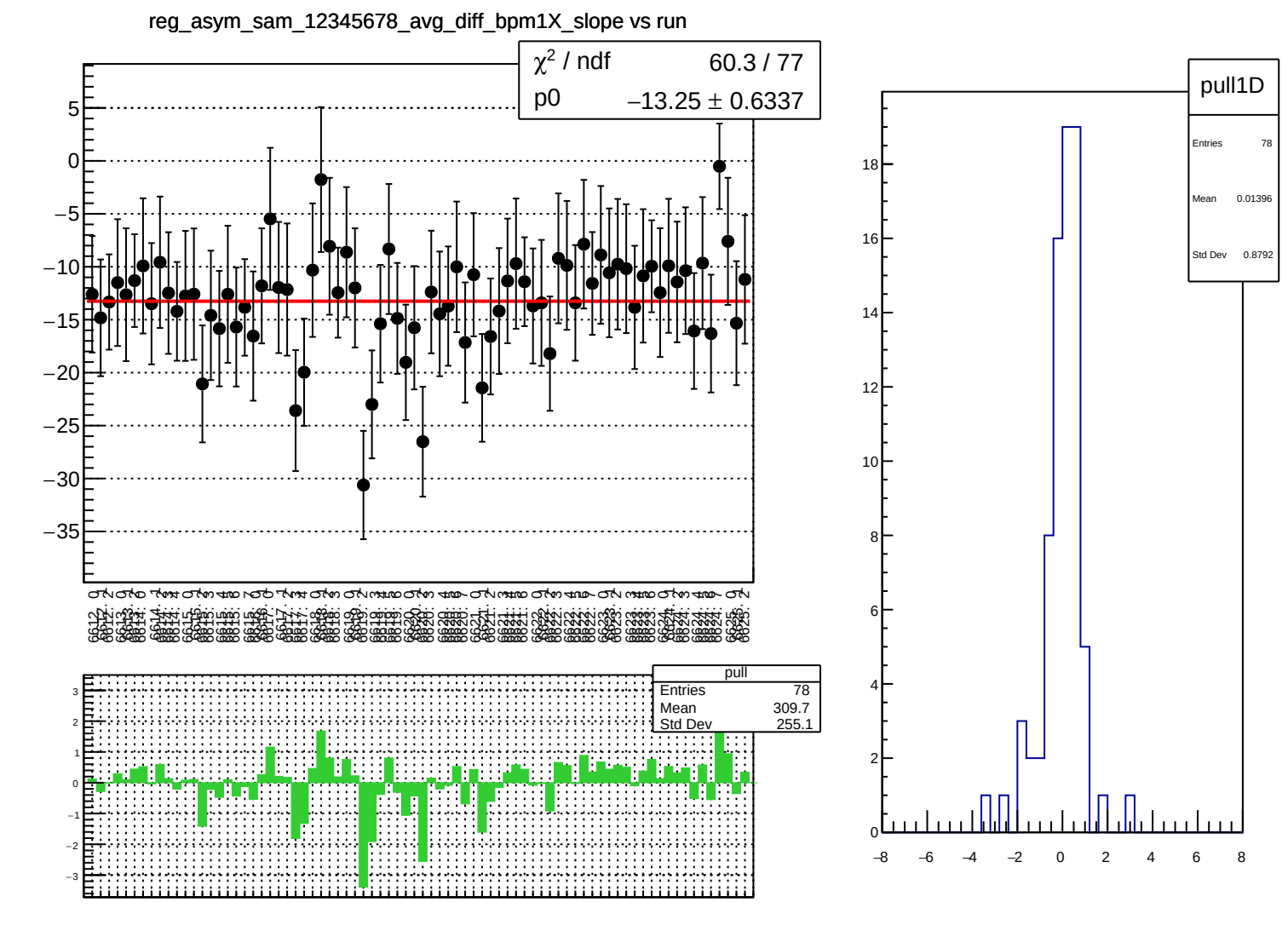

pull1D
Entries 78
Mean 0.03912
Std Dev 0.8148

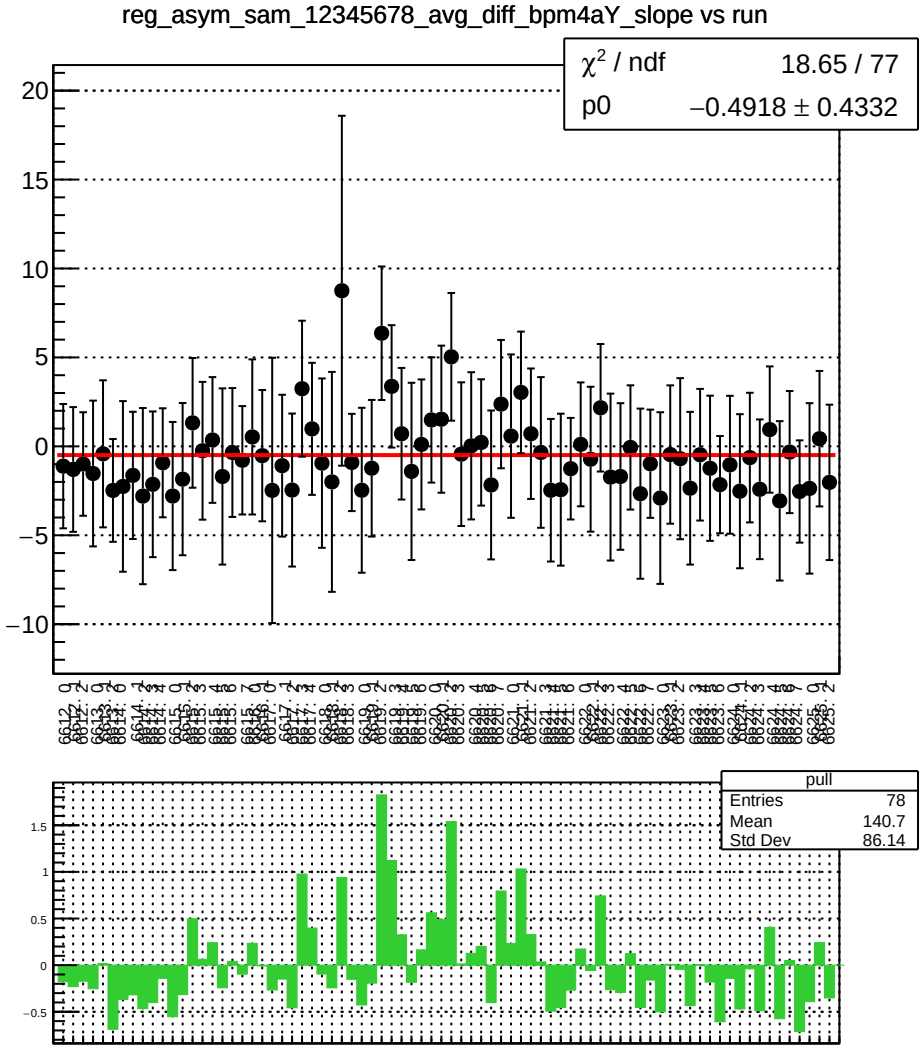

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.1 / 77
p0 −7.749 ± 0.1707
pull
Entries 78
Mean 390
Std Dev 332.2

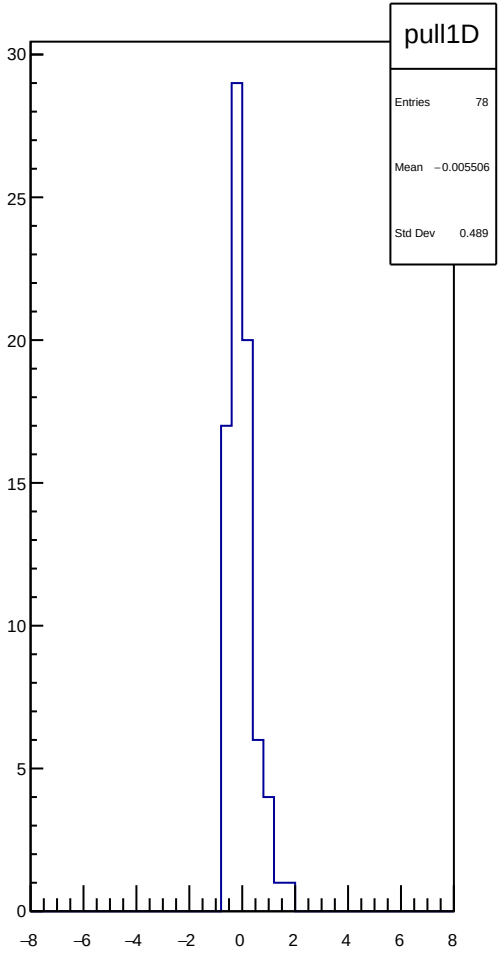

pull1D
Entries 78
Mean −0.004196
Std Dev 0.3772

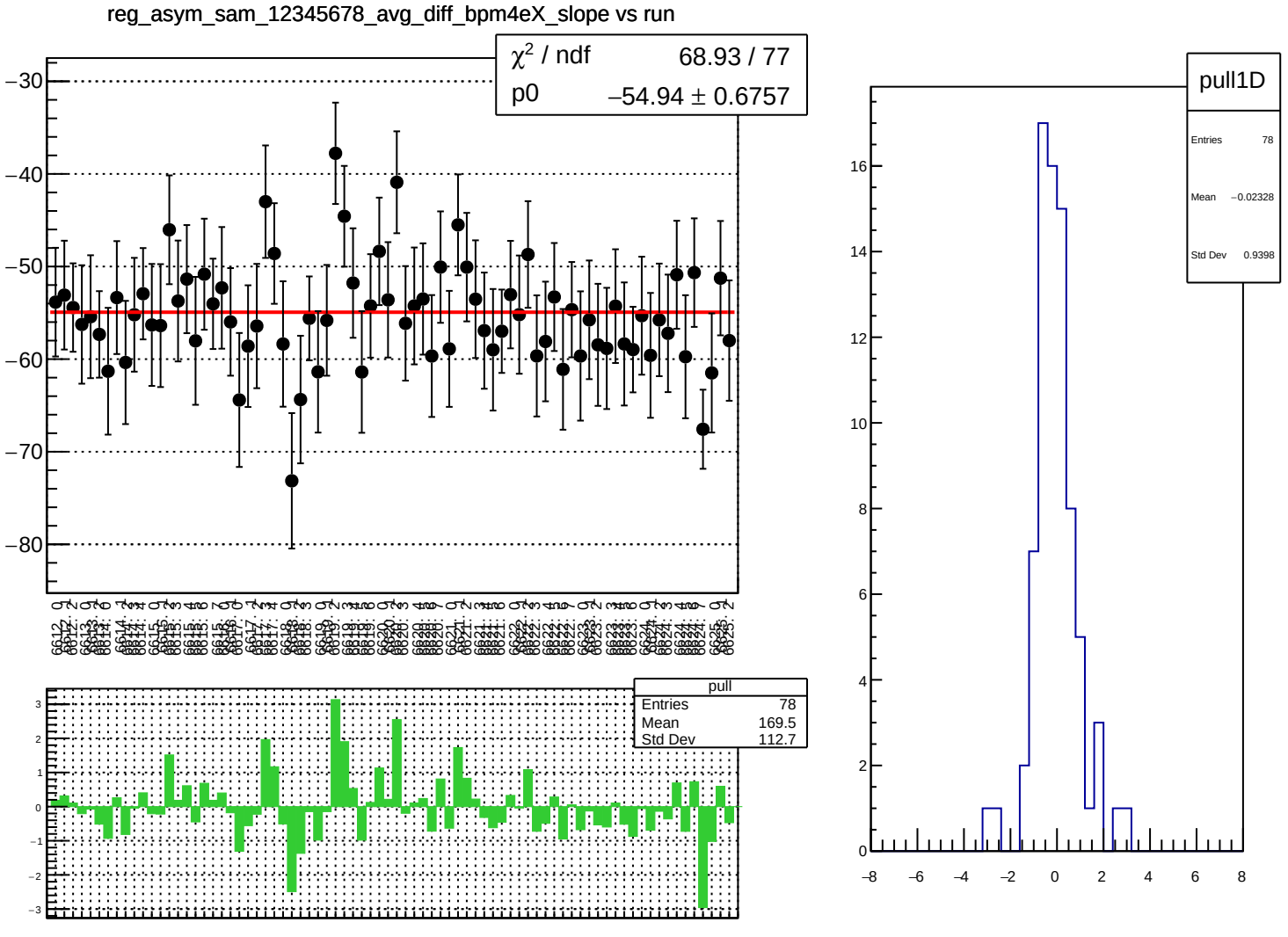

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 2.993 / 77
p0 −0.04074 ± 0.008926
pull
Entries 78
Mean −136.5
Std Dev 191.9

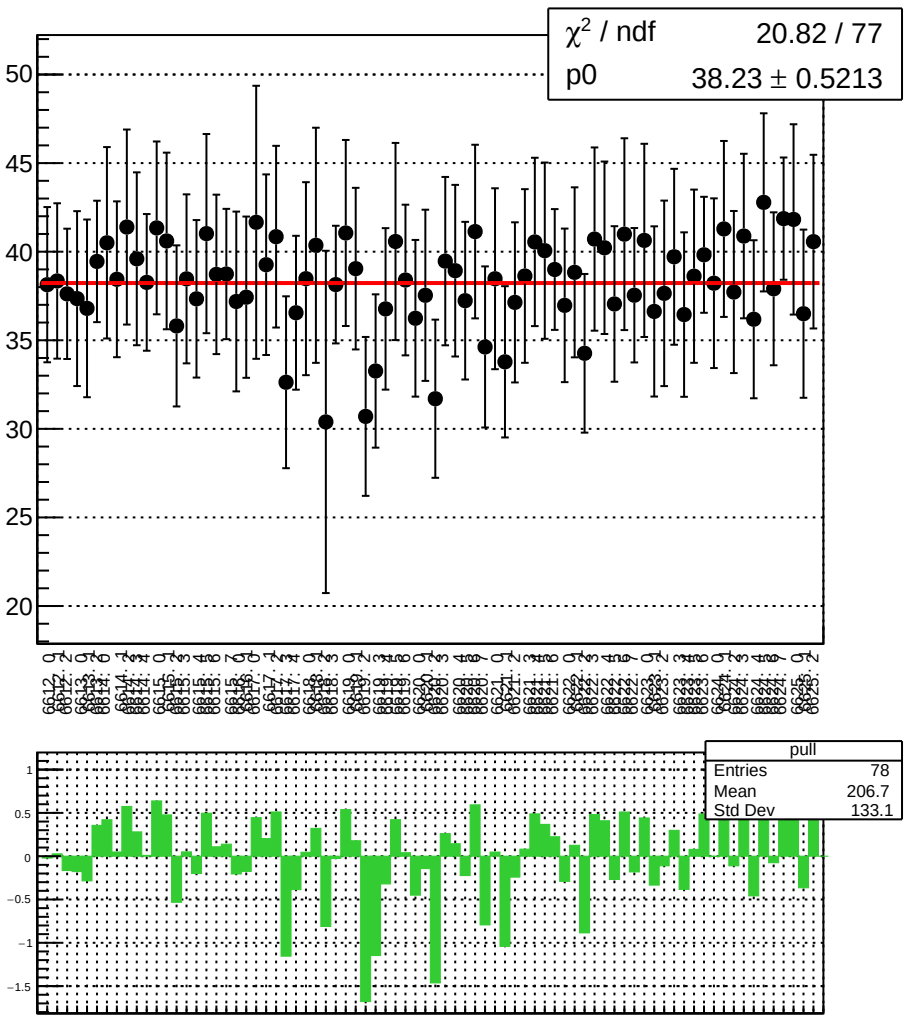

pull1D
Entries 78
Mean 0.002342
Std Dev 0.1959

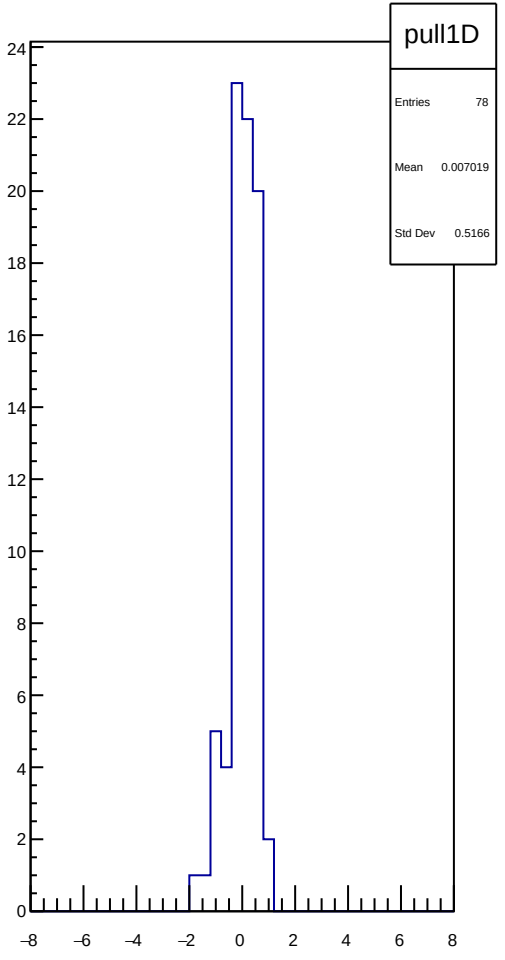

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 60.3 / 77
p0 −13.25 ± 0.6337
pull
Entries 78
Mean 309.7
Std Dev 255.1
pull1D
Entries 78
Mean 0.01396
Std Dev 0.8792

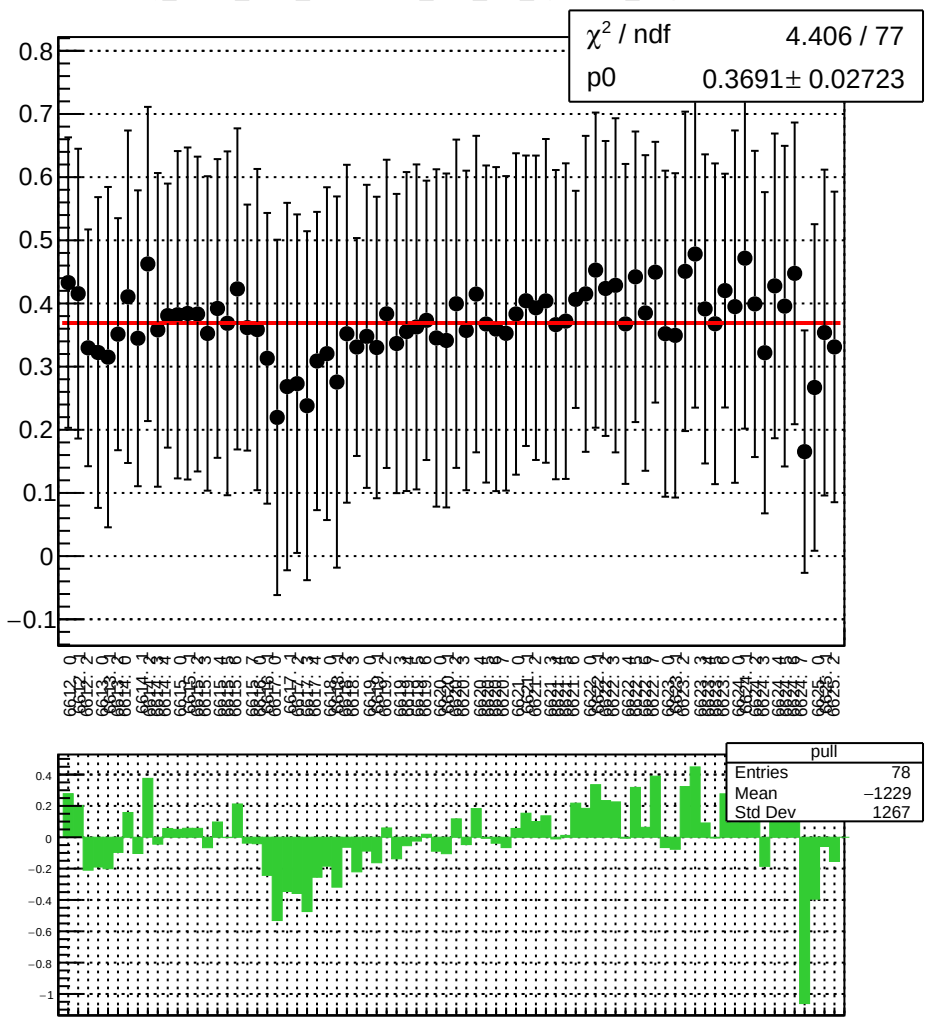

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 18.65 / 77
p0 −0.4918 ± 0.4332
pull
Entries 78
Mean 140.7
Std Dev 86.14

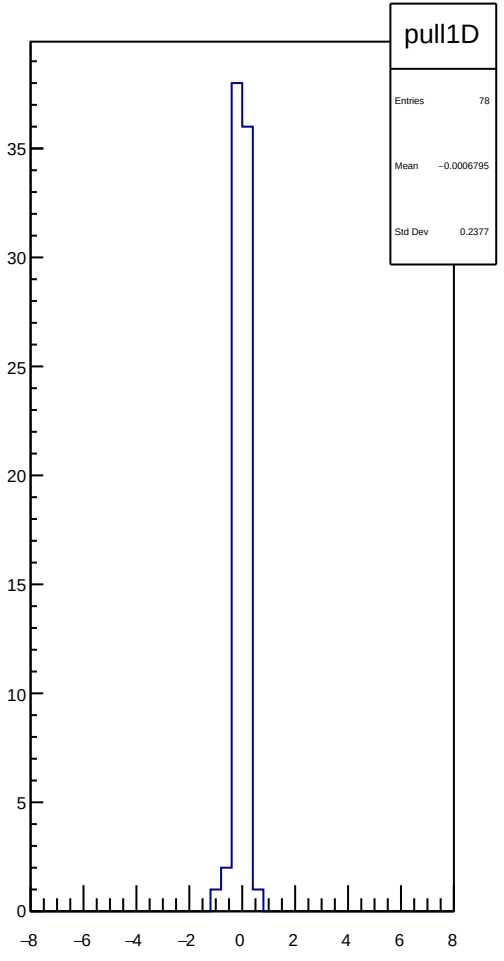

pull1D
Entries 78
Mean −0.005506
Std Dev 0.489

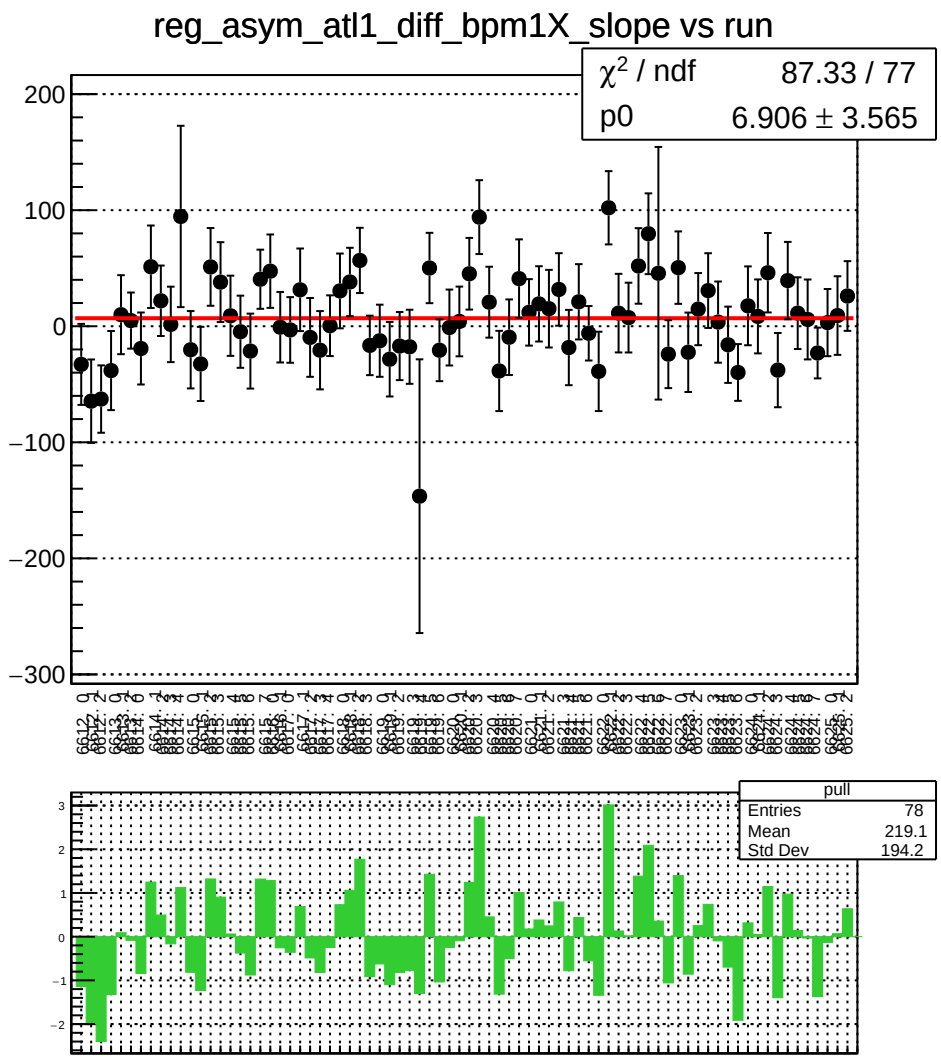

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 68.93 / 77
p0 −54.94 ± 0.6757
pull
Entries 78
Mean 169.5
Std Dev 112.7
pull1D
Entries 78
Mean −0.02328
Std Dev 0.9398

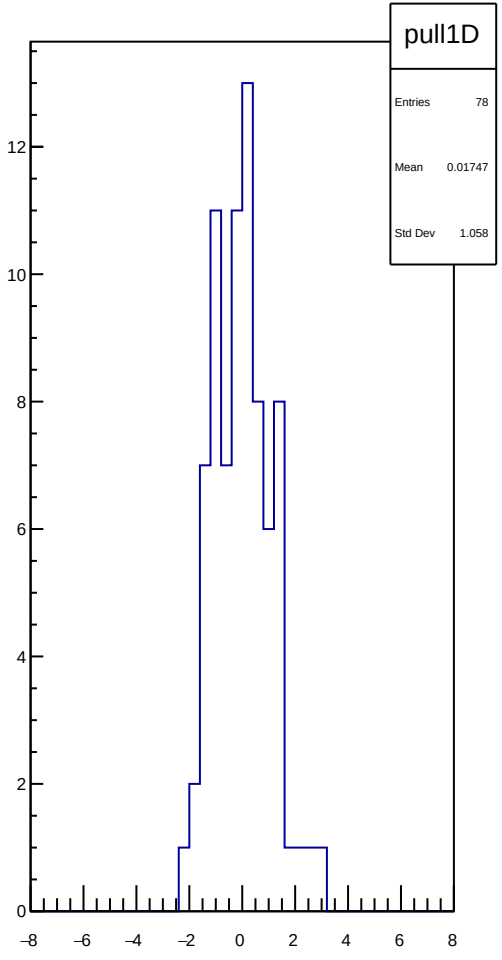

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 20.82 / 77
p0 38.23 ± 0.5213
pull
Entries 78
Mean 206.7
Std Dev 133.1

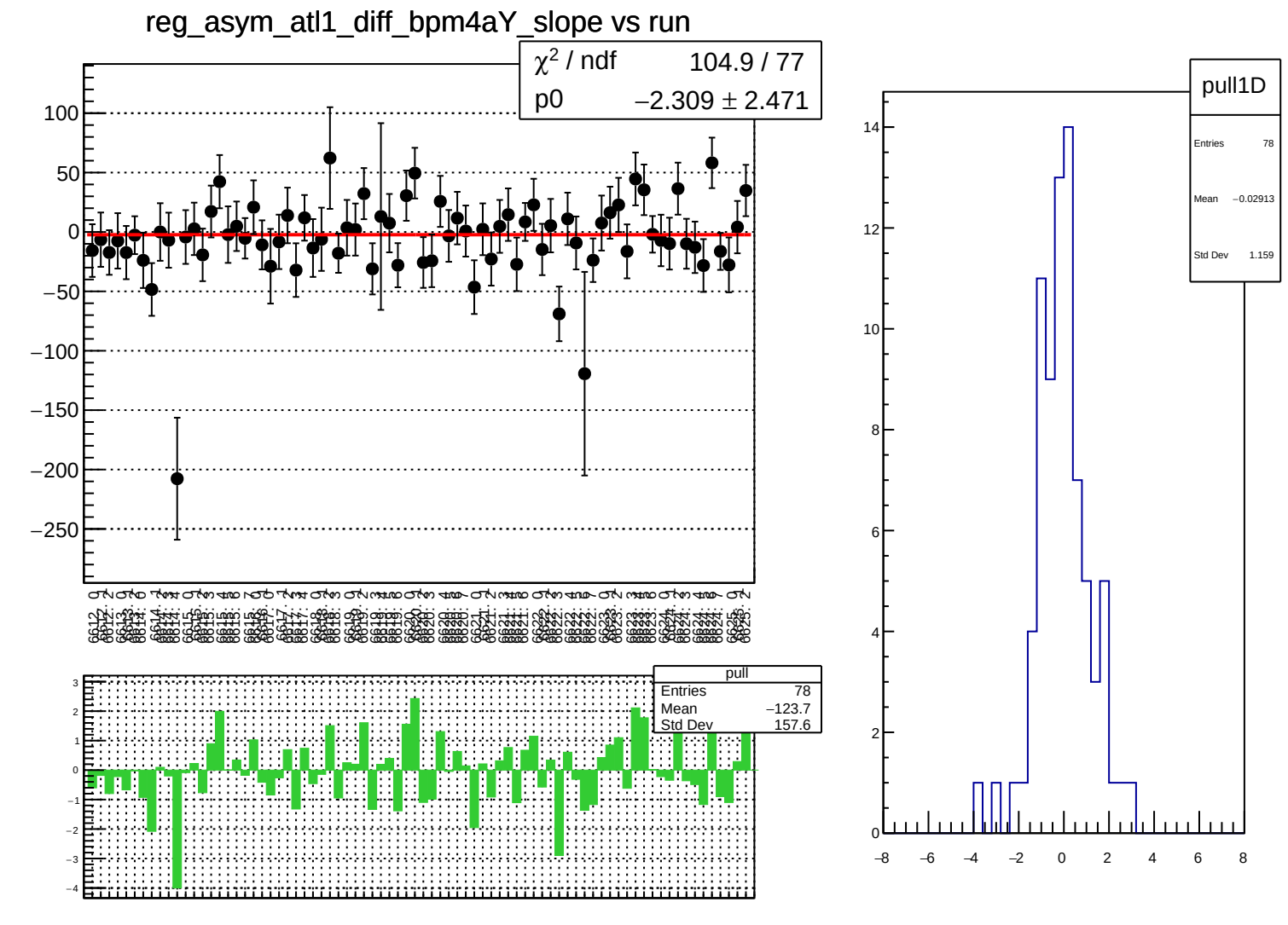

pull1D
Entries 78
Mean 0.007019
Std Dev 0.5166

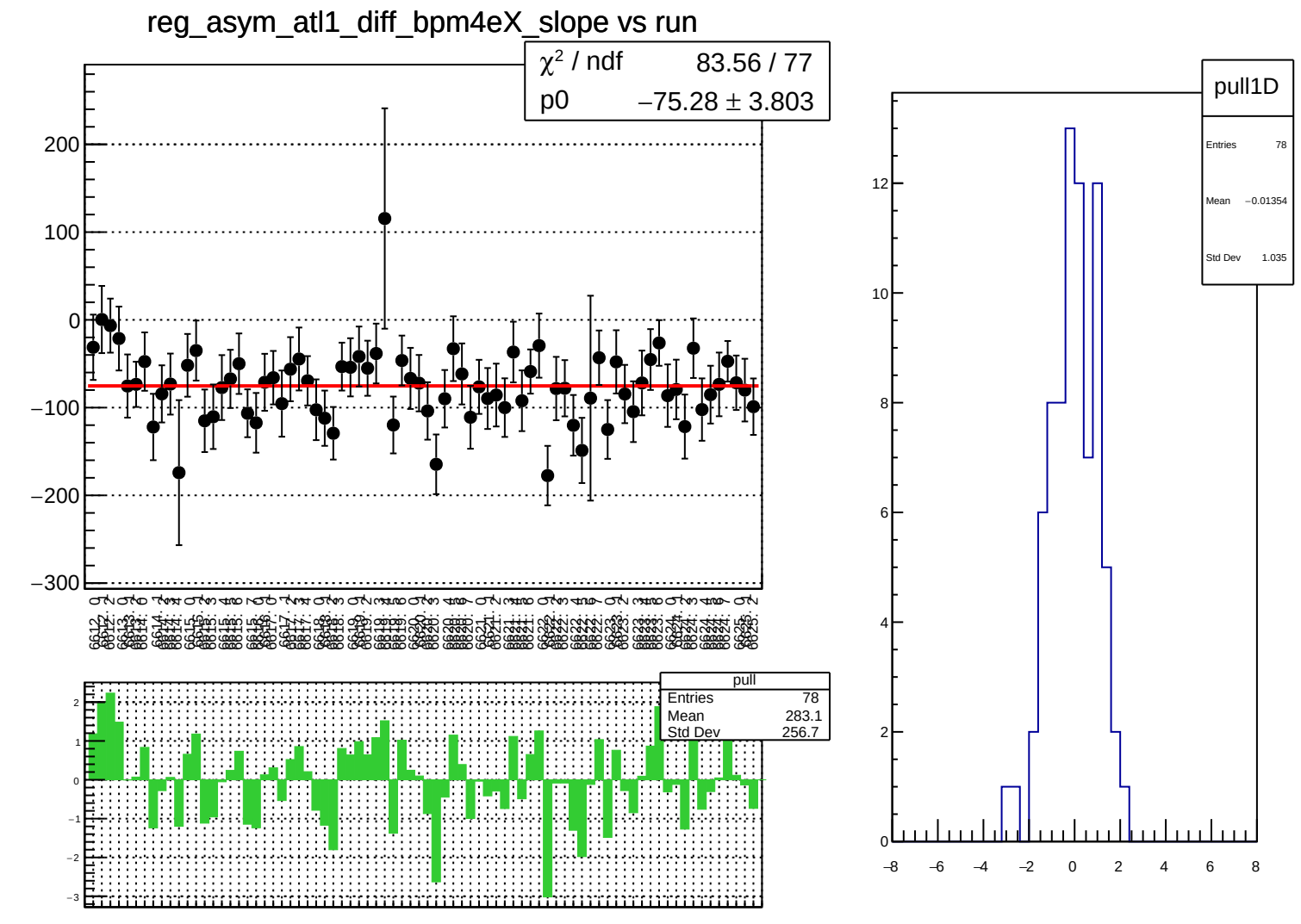

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 4.406 / 77
p0 0.3691± 0.02723
pull
Entries 78
Mean −1229
Std Dev 1267

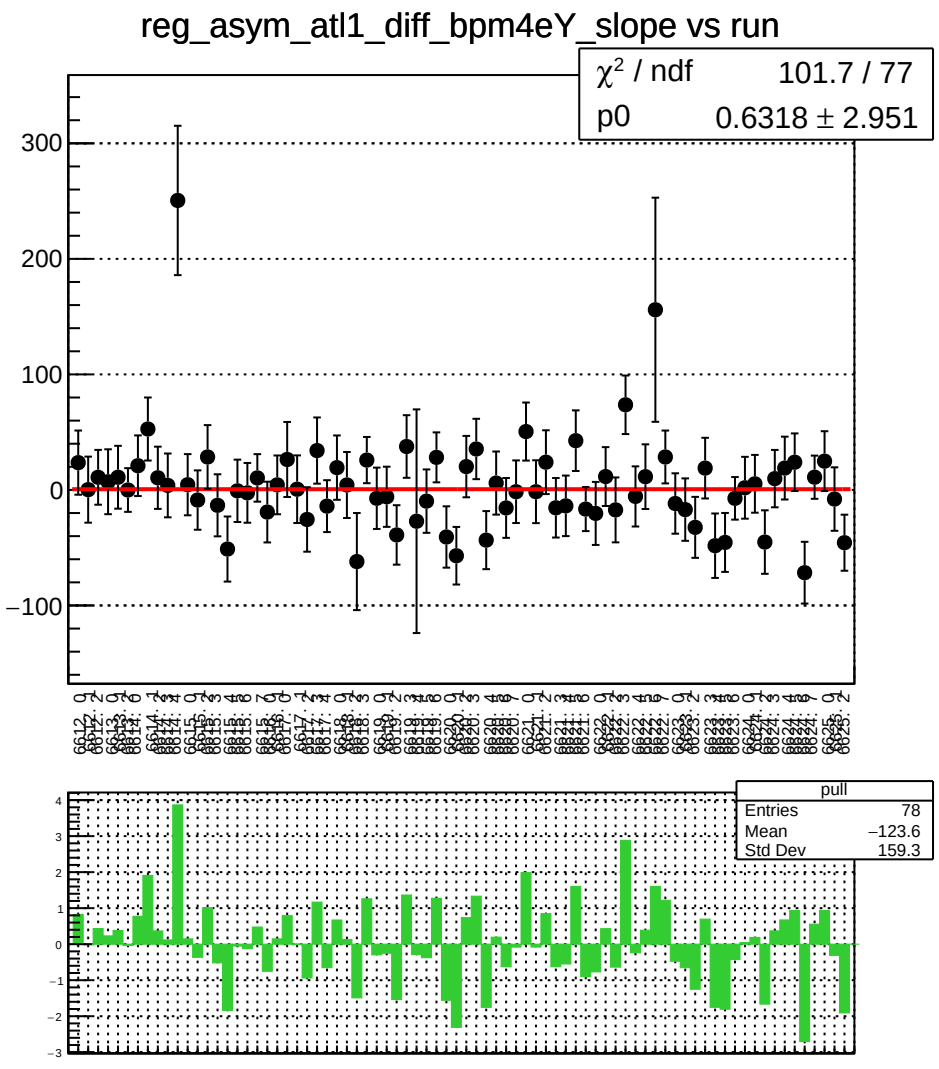

pull1D
Entries 78
Mean −0.0006795
Std Dev 0.2377

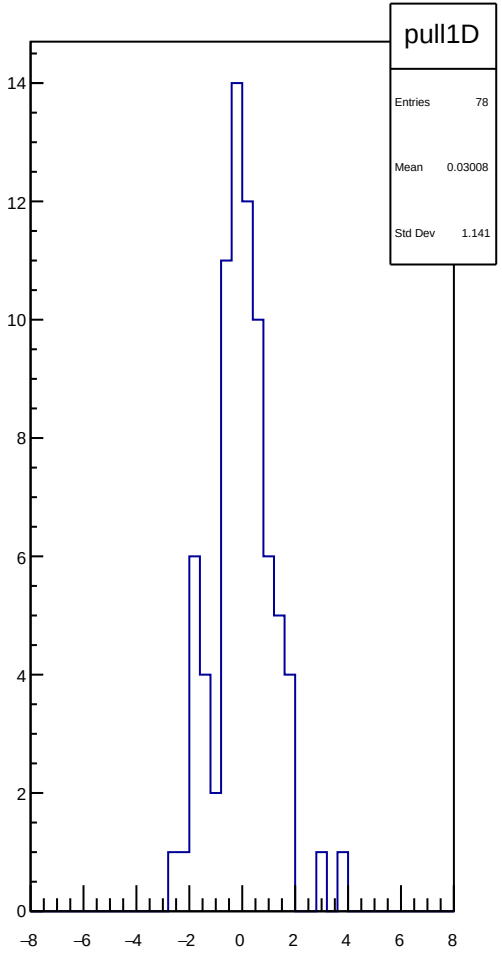

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 87.33 / 77
p0 6.906 ± 3.565
pull
Entries 78
Mean 219.1
Std Dev 194.2

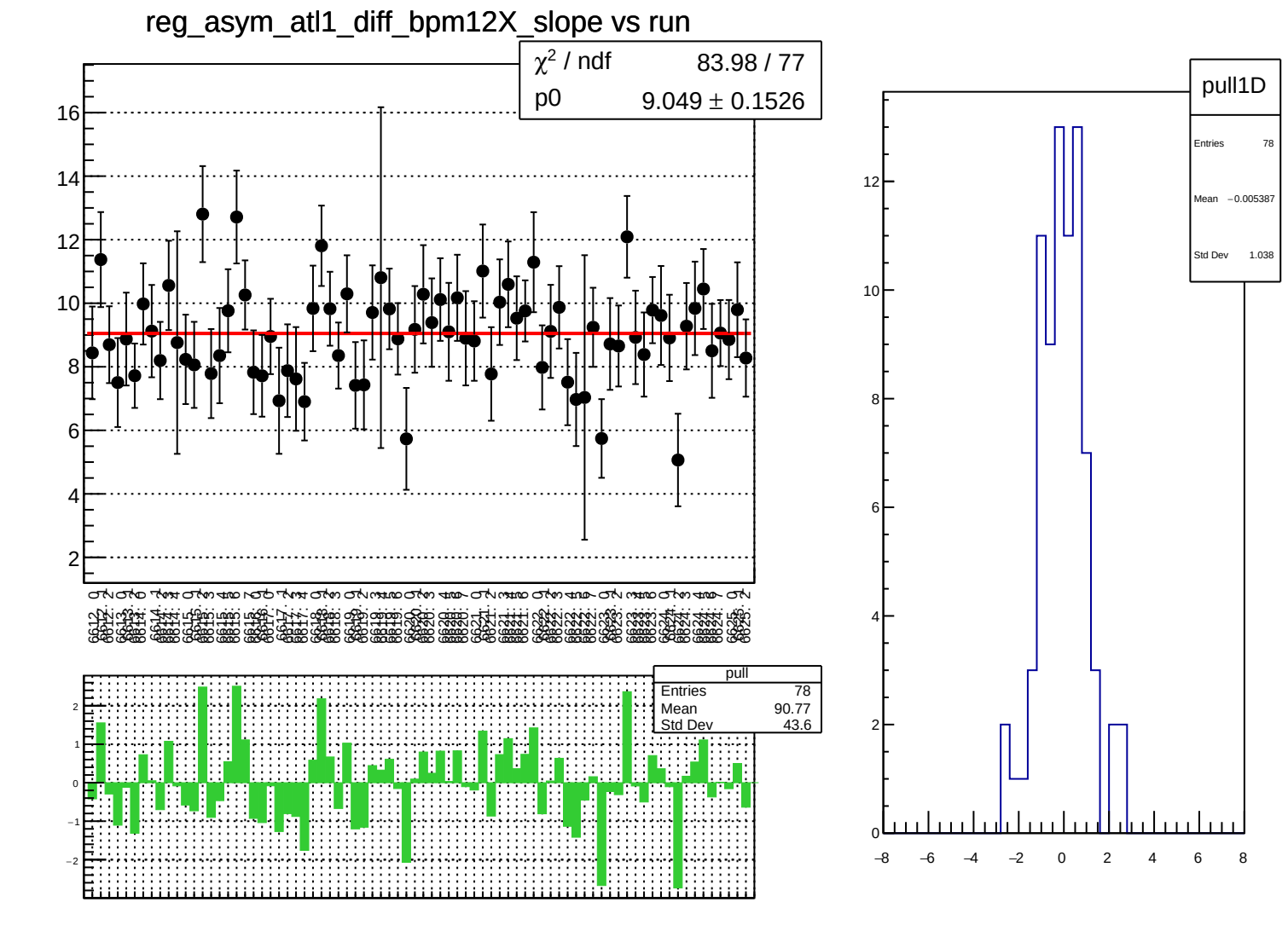

pull1D
Entries 78
Mean 0.01747
Std Dev 1.058

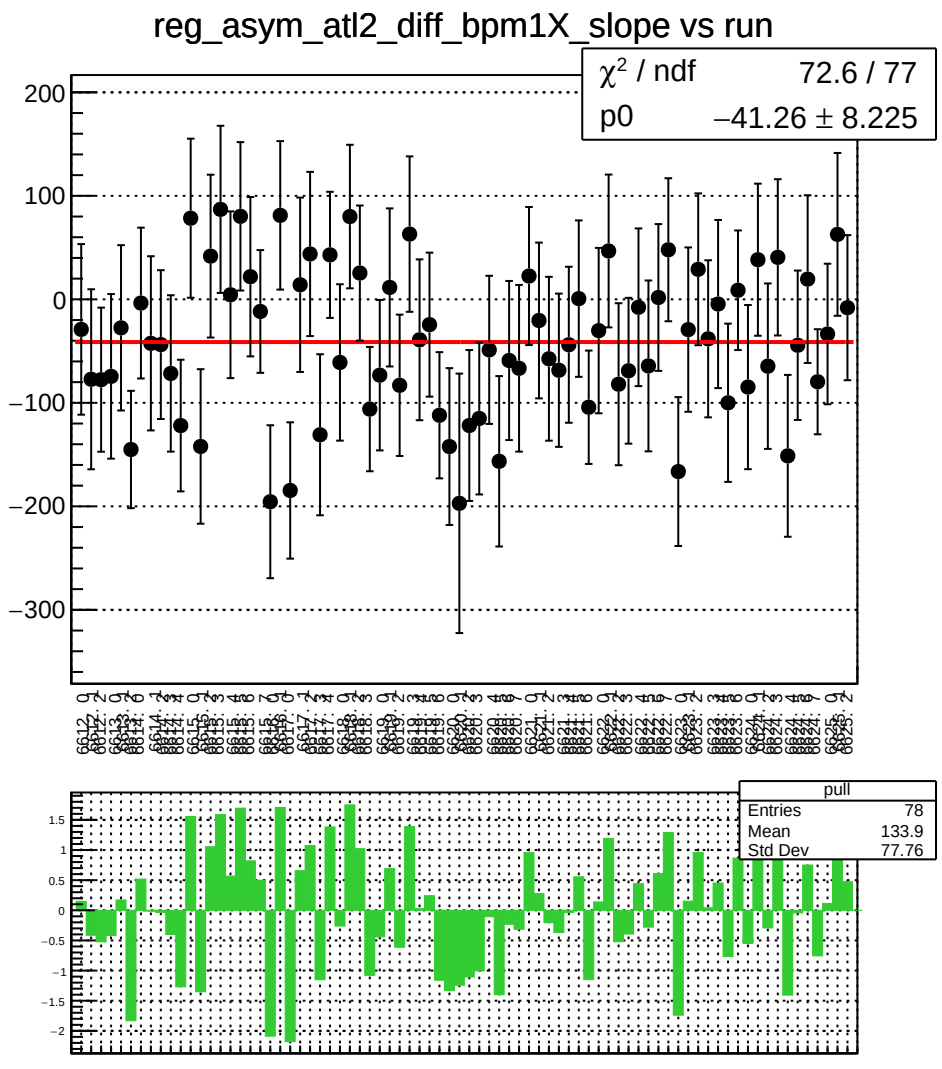

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 104.9 / 77
p0 −2.309 ± 2.471
pull
Entries 78
Mean −123.7
Std Dev 157.6
pull1D
Entries 78
Mean −0.02913
Std Dev 1.159

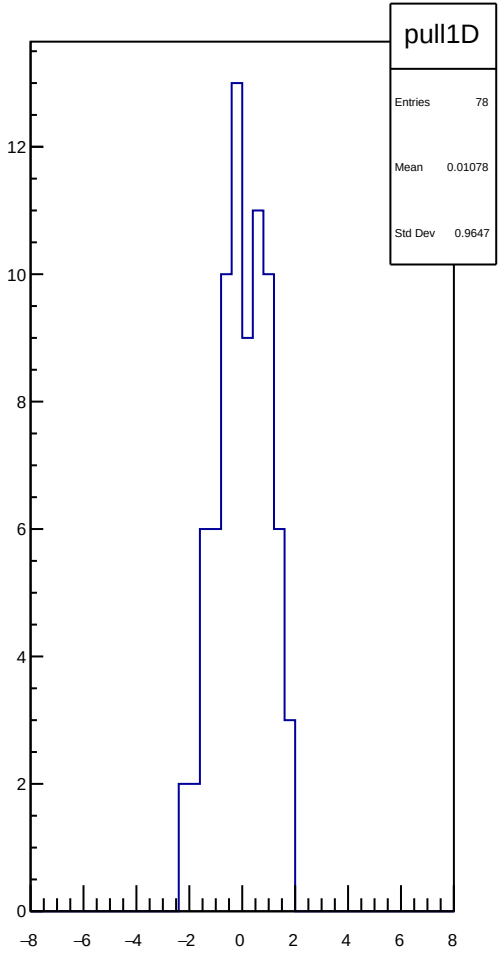

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 83.56 / 77
p0 −75.28 ± 3.803
pull
Entries 78
Mean 283.1
Std Dev 256.7
pull1D
Entries 78
Mean −0.01354
Std Dev 1.035

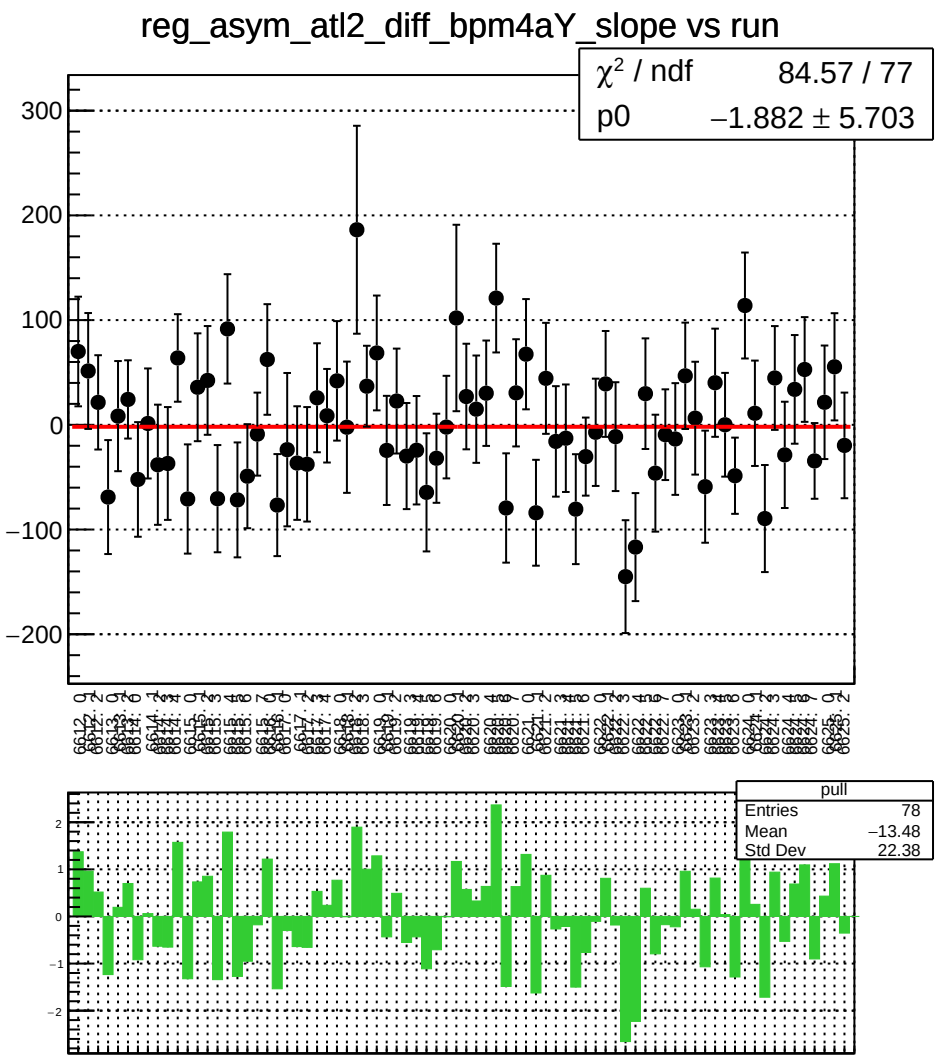

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 101.7 / 77
p0 0.6318 ± 2.951
pull
Entries 78
Mean −123.6
Std Dev 159.3

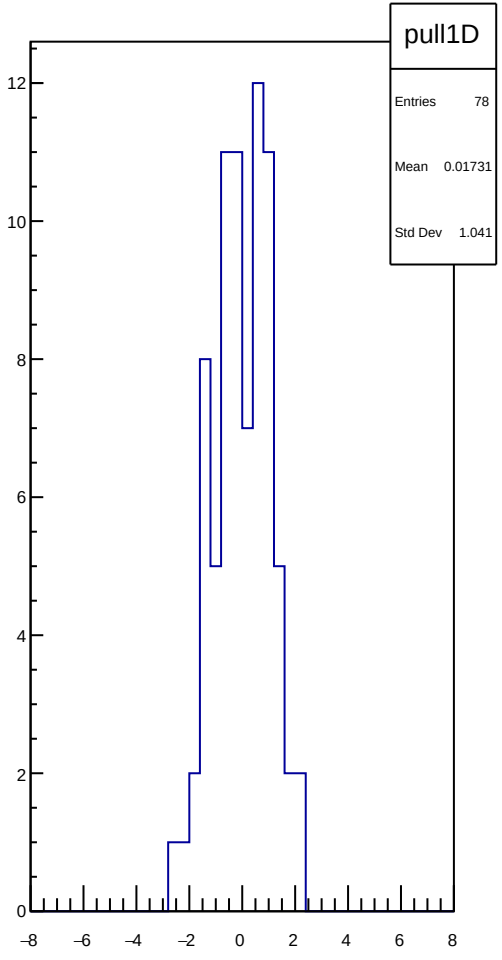

pull1D
Entries 78
Mean 0.03008
Std Dev 1.141

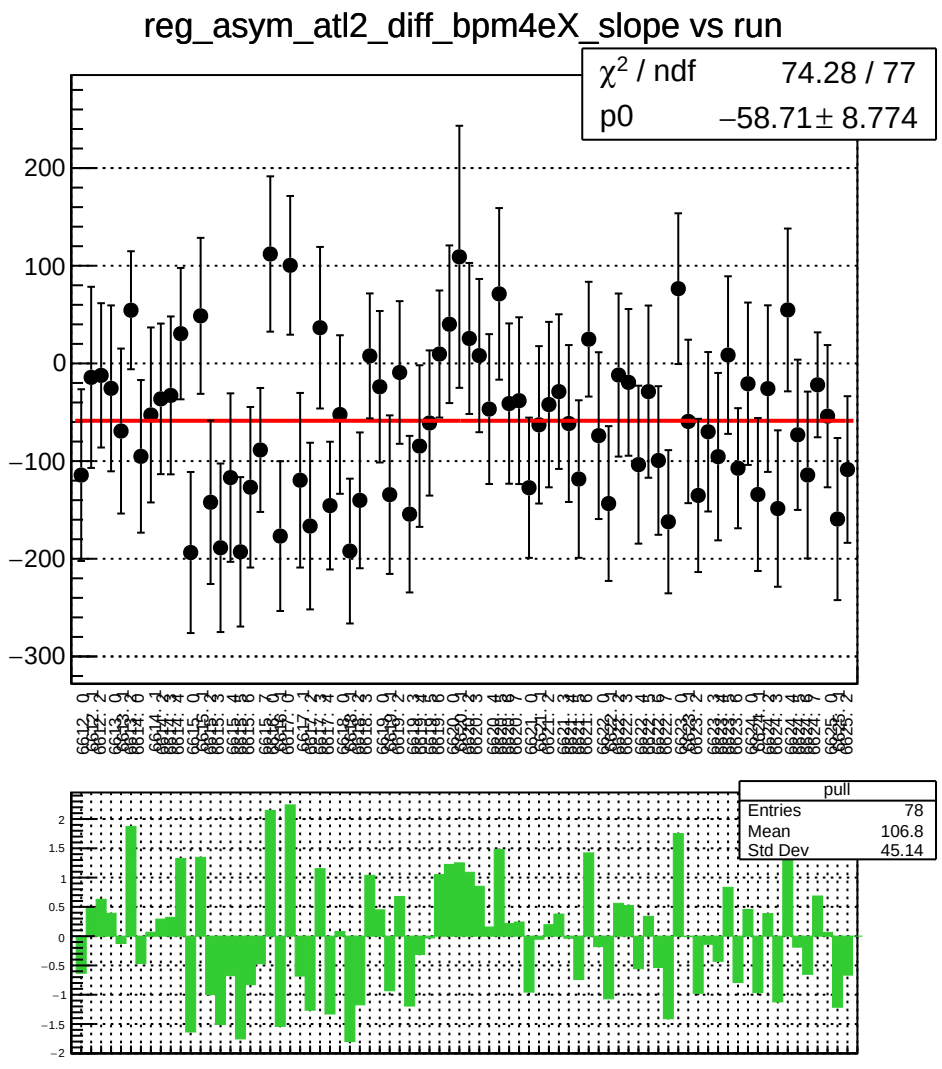

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 83.98 / 77
p0 9.049 ± 0.1526
pull
Entries 78
Mean 90.77
Std Dev 43.6
pull1D
Entries 78
Mean −0.005387
Std Dev 1.038

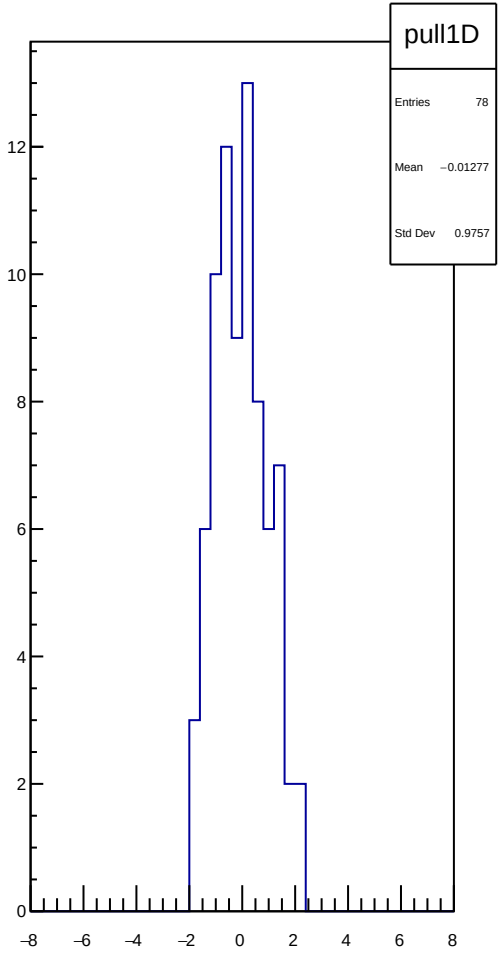

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 72.6 / 77
p0 −41.26 ± 8.225
200
100
0
−100
−200
−300
pull
Entries 78
Mean 133.9
Std Dev 77.76
1.5
1
0.5
0
−0.5
−1
−1.5
−2

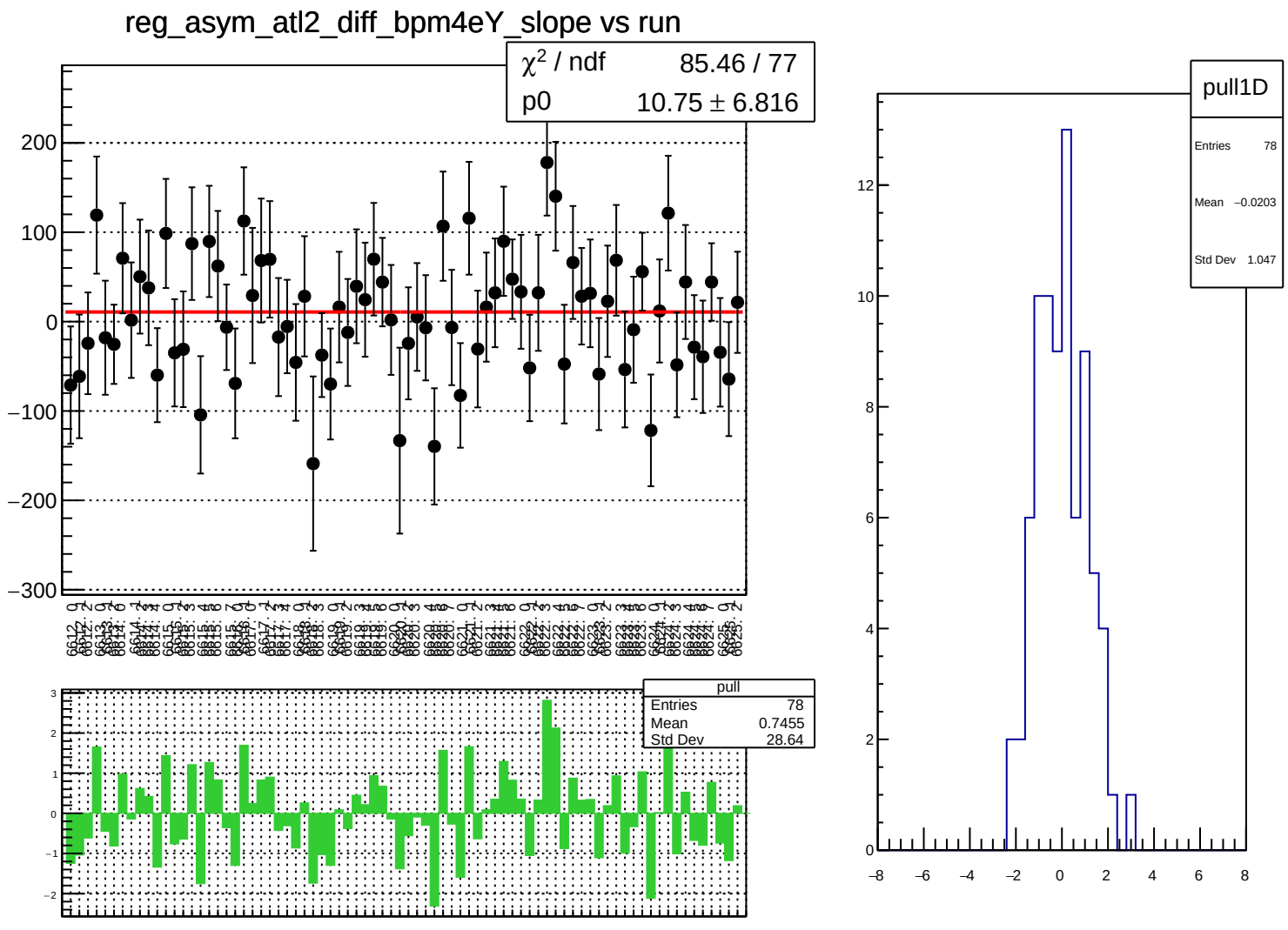

pull1D
Entries 78
Mean 0.01078
Std Dev 0.9647
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

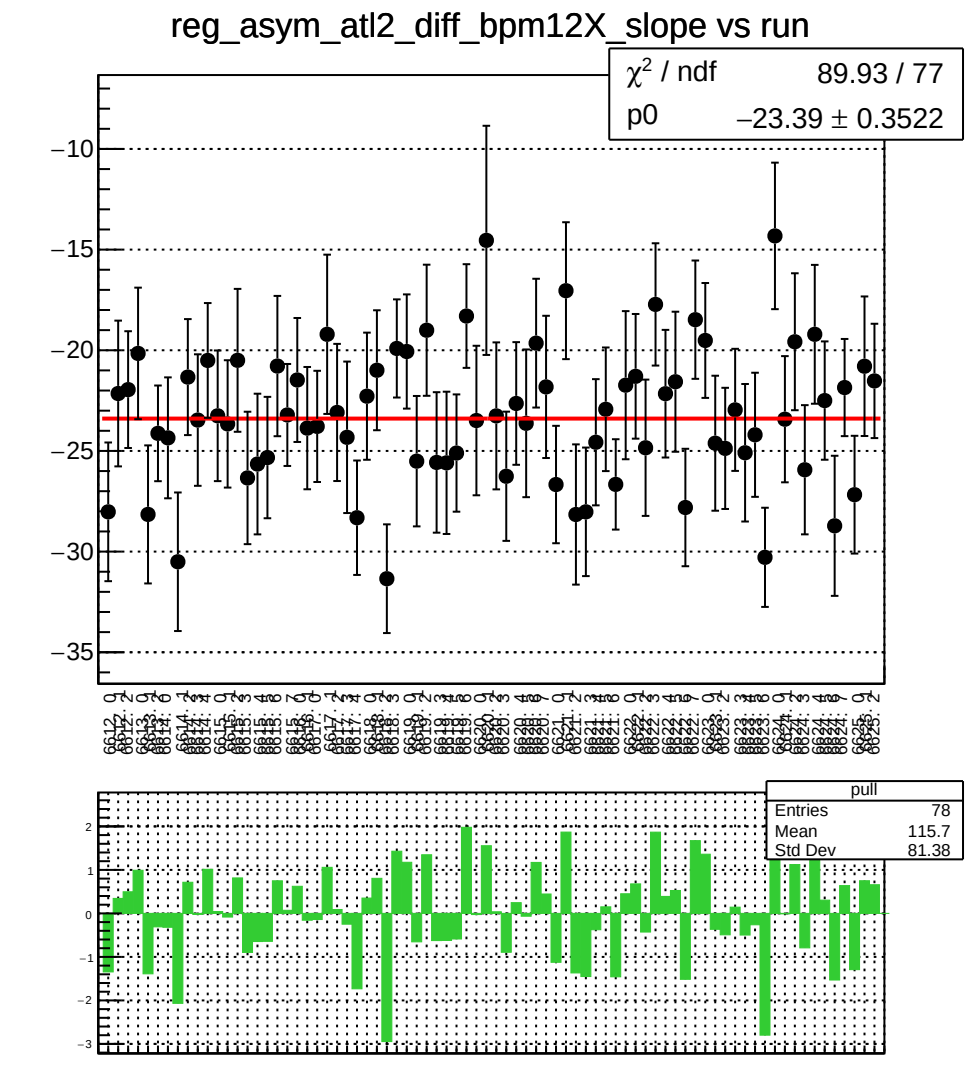

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 84.57 / 77
p0 −1.882 ± 5.703
pull
Entries 78
Mean −13.48
Std Dev 22.38

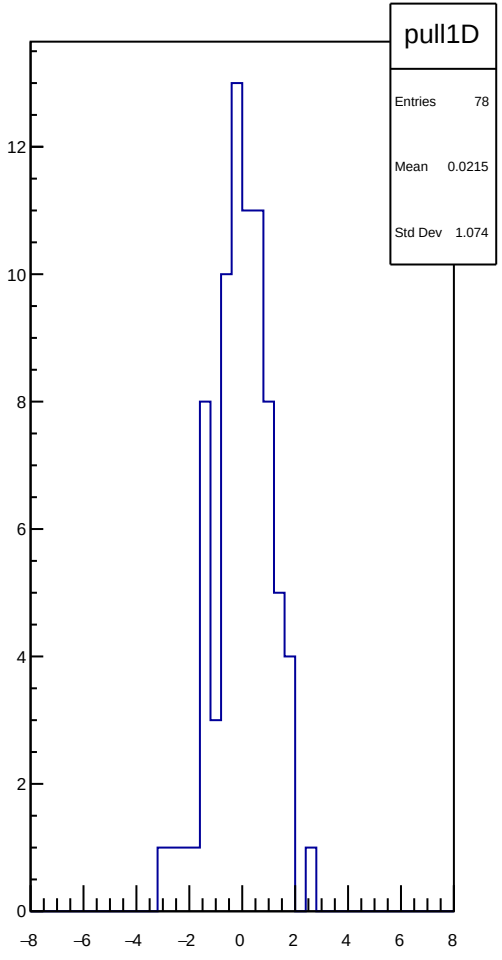

pull1D
Entries 78
Mean 0.01731
Std Dev 1.041

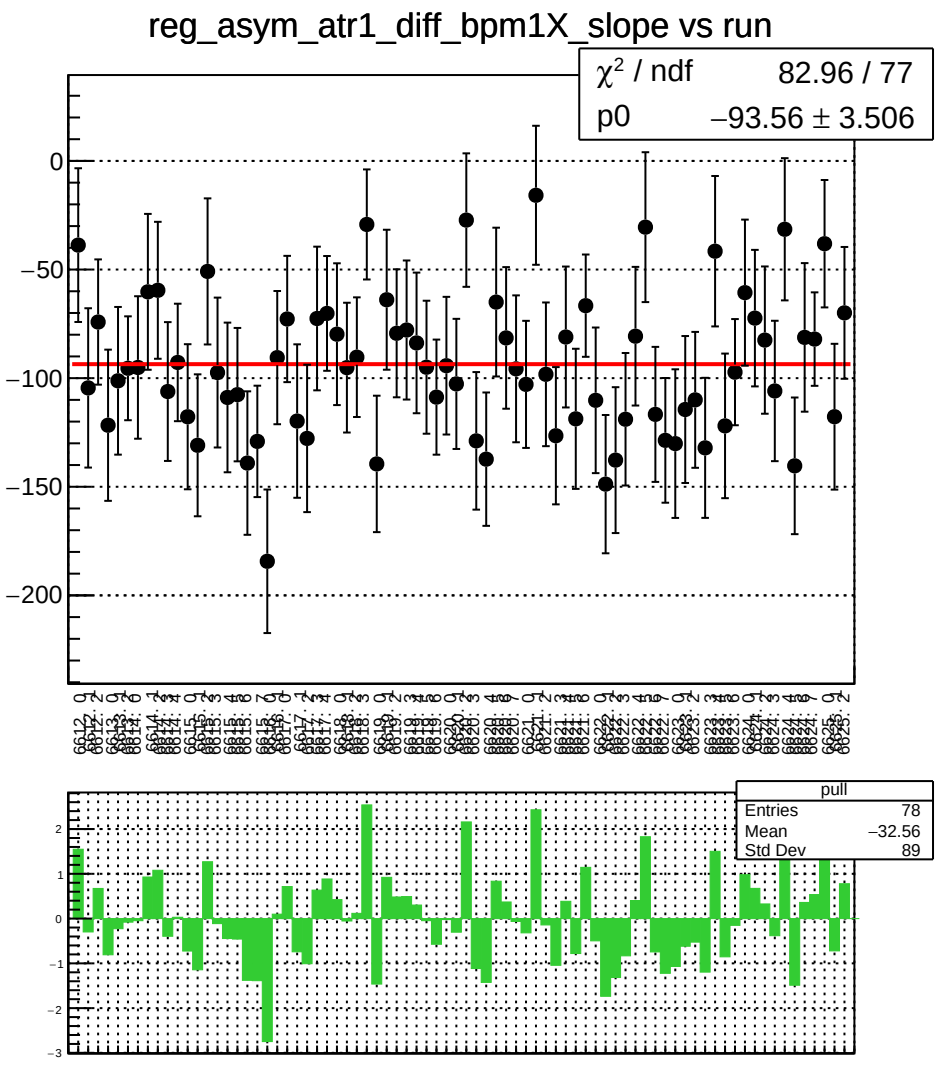

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 74.28 / 77
p0 −58.71 ± 8.774
pull
Entries 78
Mean 106.8
Std Dev 45.14

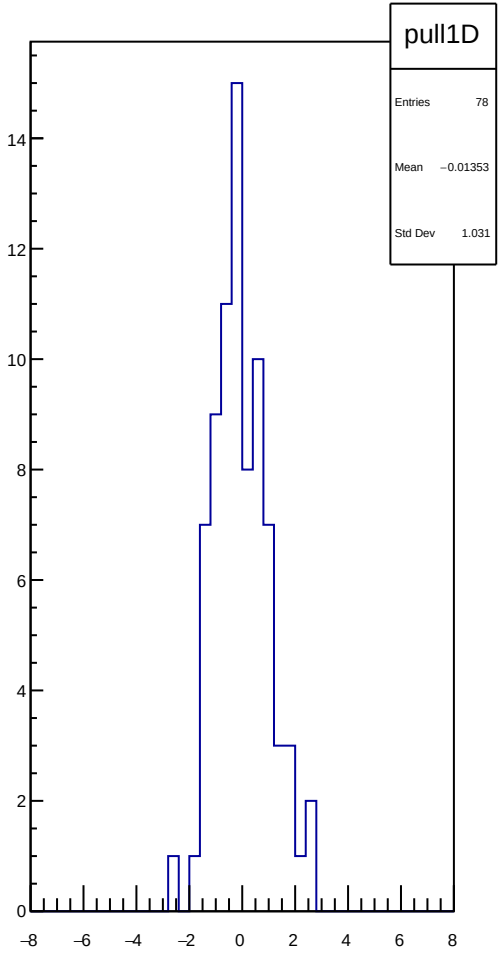

pull1D
Entries 78
Mean −0.01277
Std Dev 0.9757

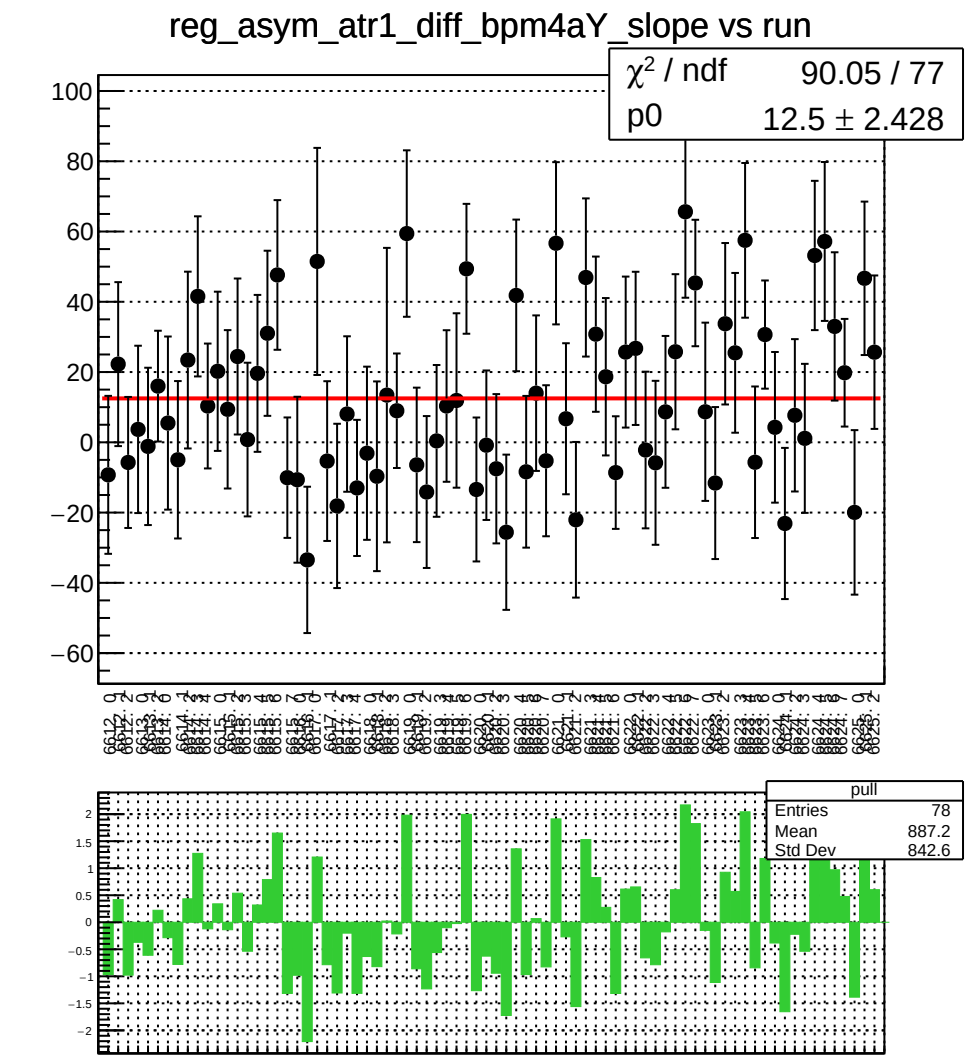

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 85.46 / 77
p0 10.75 ± 6.816
pull
Entries 78
Mean 0.7455
Std Dev 28.64
pull1D
Entries 78
Mean −0.0203
Std Dev 1.047

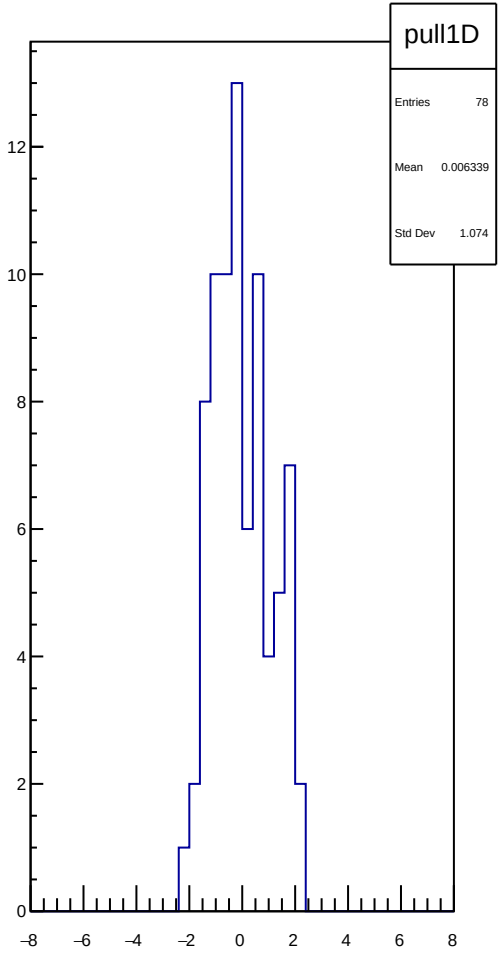

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 89.93 / 77
p0 −23.39 ± 0.3522
pull
Entries 78
Mean 115.7
Std Dev 81.38

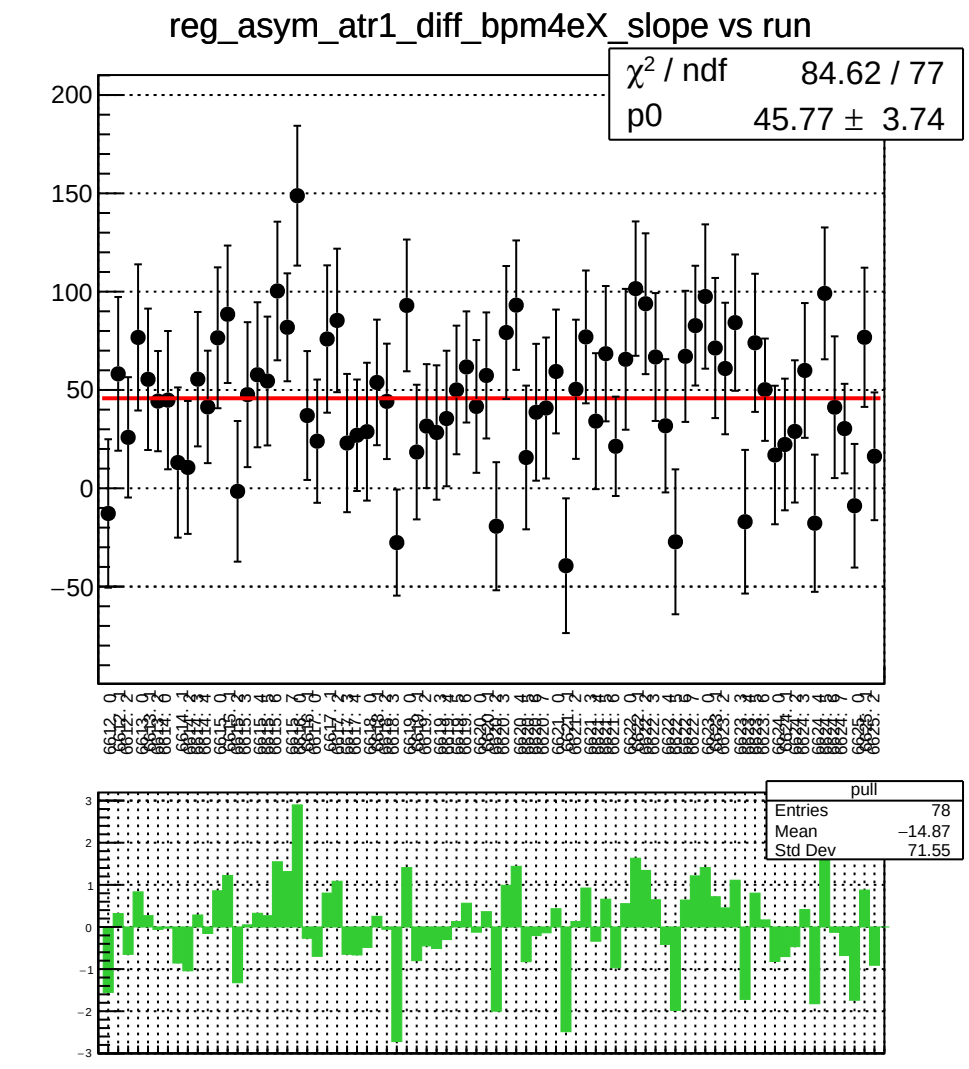

pull1D
Entries 78
Mean 0.0215
Std Dev 1.074

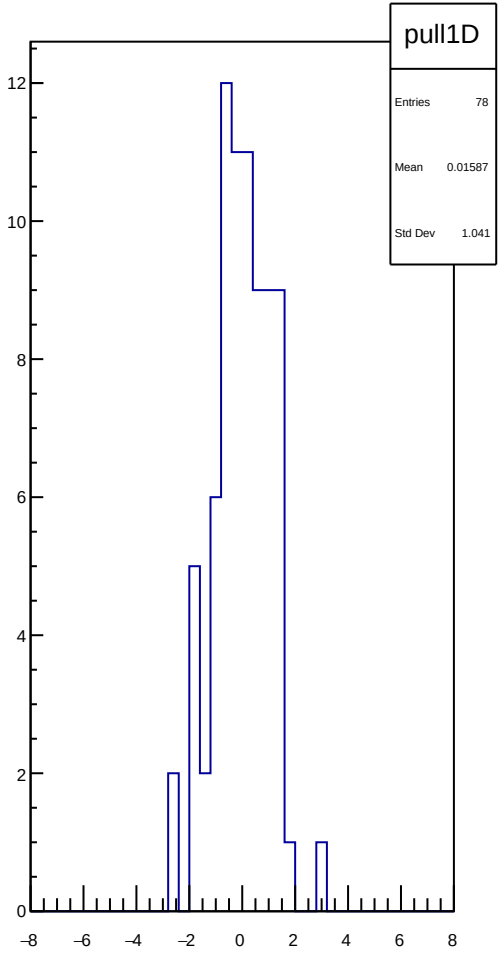

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 82.96 / 77
p0 −93.56 ± 3.506
pull
Entries 78
Mean −32.56
Std Dev 89

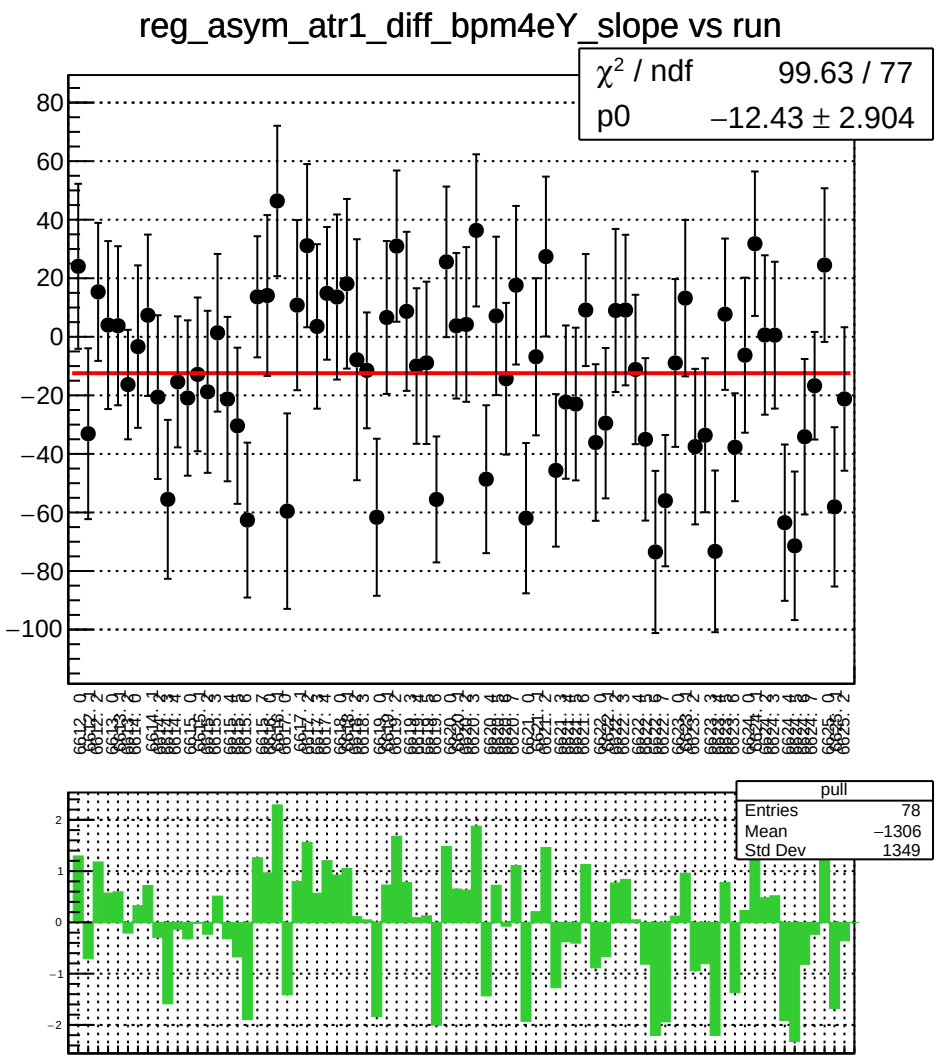

pull1D
Entries 78
Mean −0.01353
Std Dev 1.031

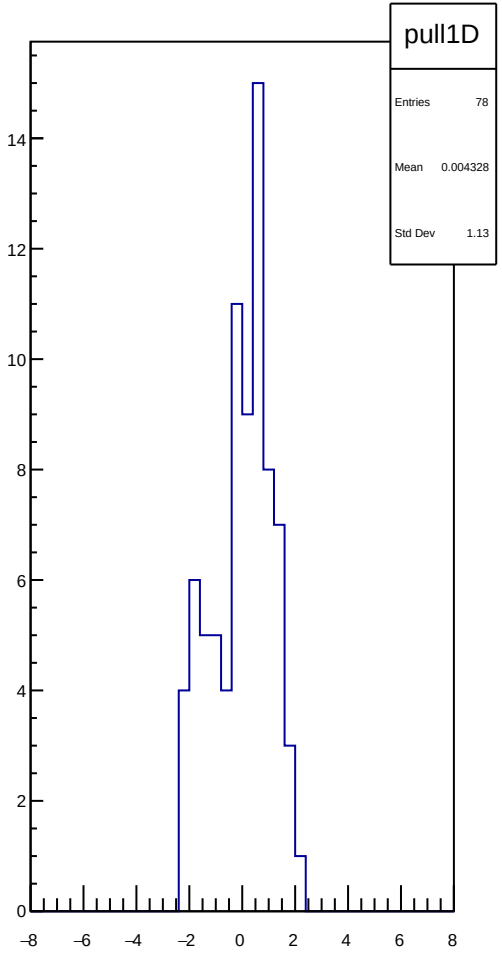

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 90.05 / 77
p0 12.5 ± 2.428
pull
Entries 78
Mean 887.2
Std Dev 842.6

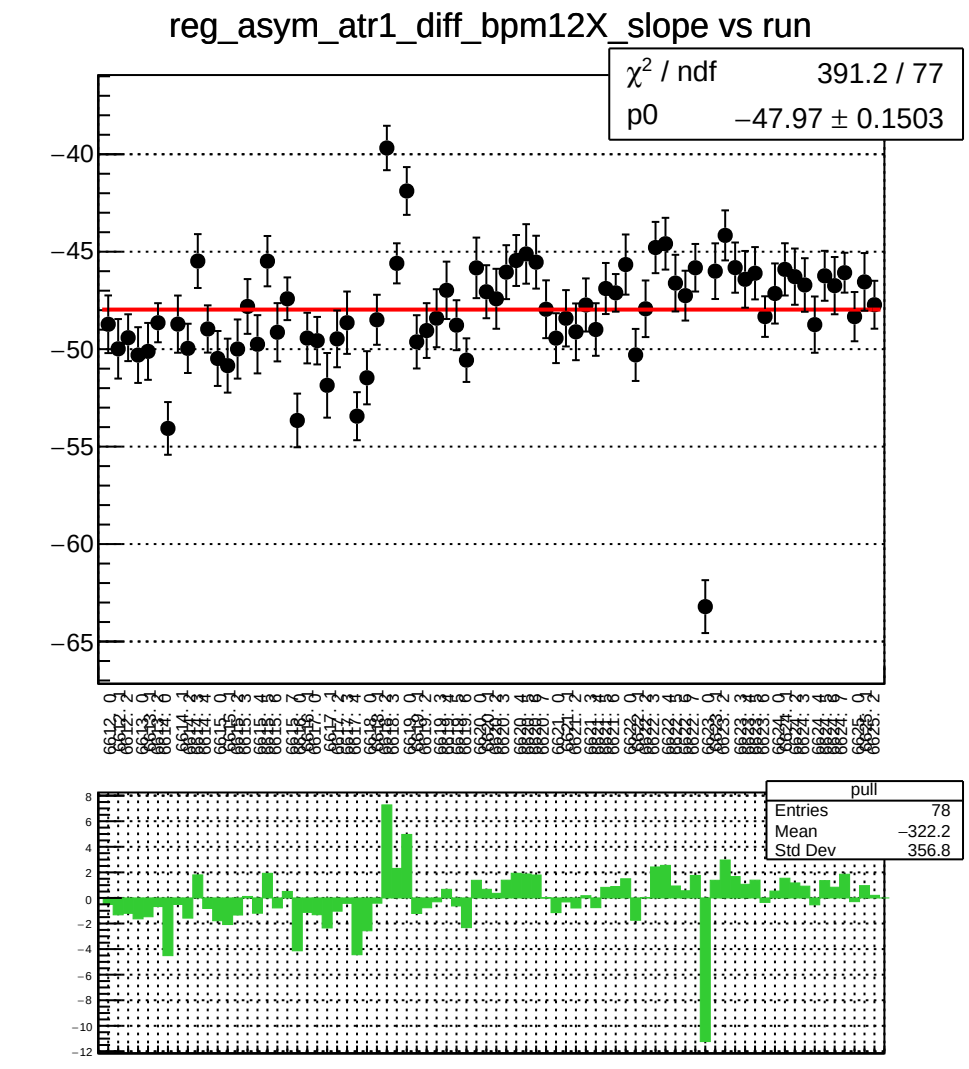

pull1D
Entries 78
Mean 0.006339
Std Dev 1.074

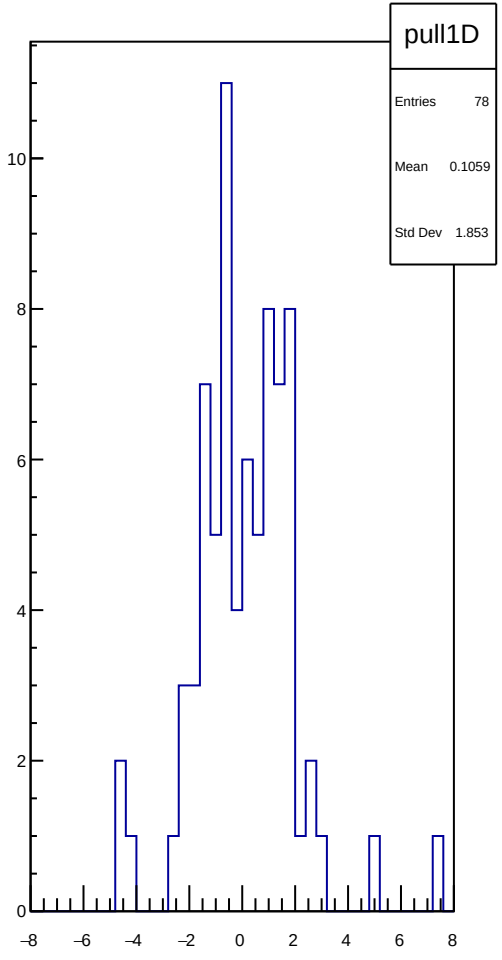

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 84.62 / 77
p0 45.77 ± 3.74
pull
Entries 78
Mean −14.87
Std Dev 71.55

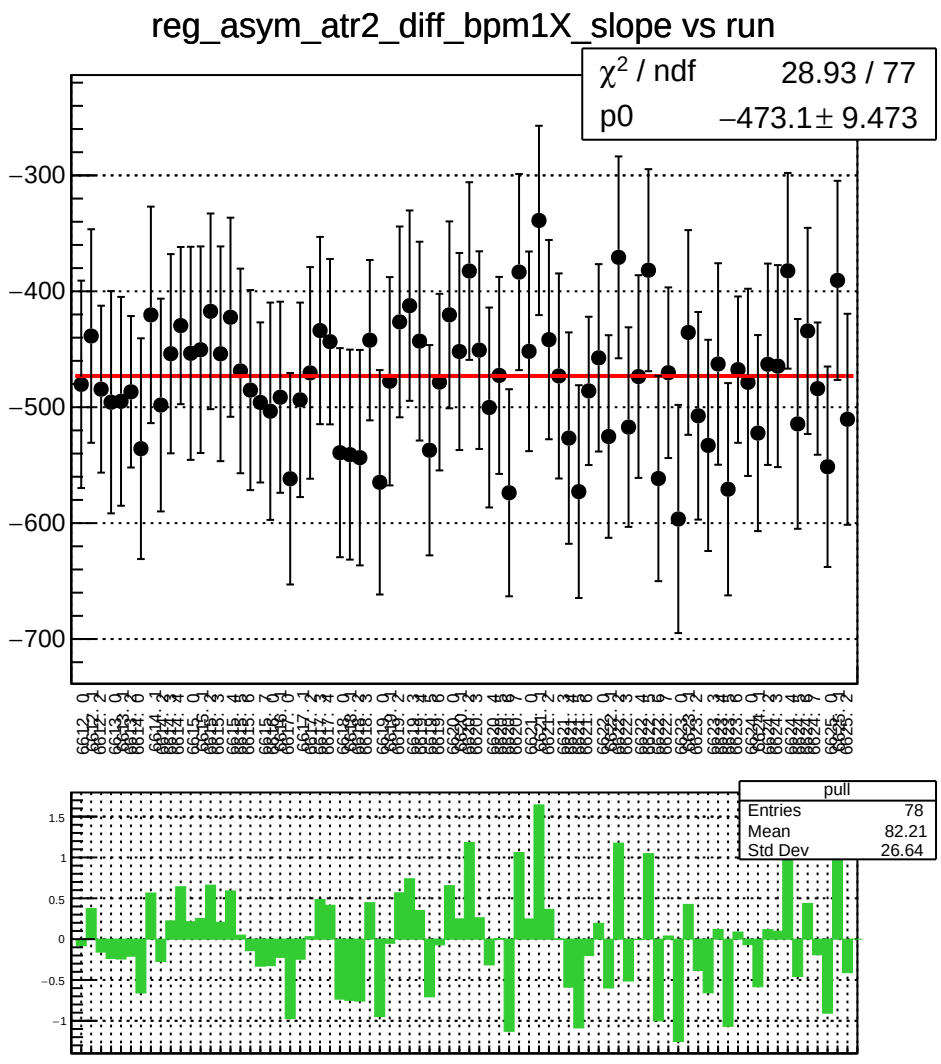

pull1D
Entries 78
Mean 0.01587
Std Dev 1.041

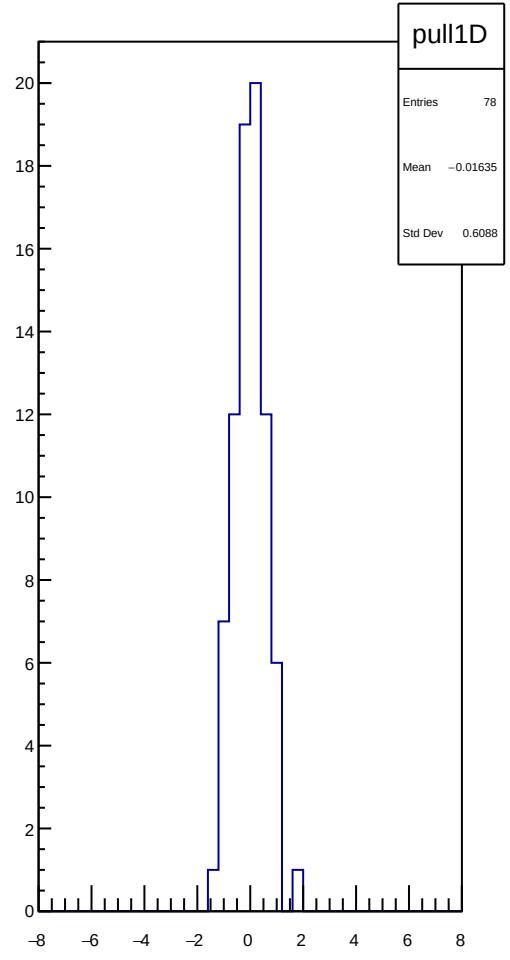

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 99.63 / 77
p0 −12.43 ± 2.904
pull
Entries 78
Mean −1306
Std Dev 1349

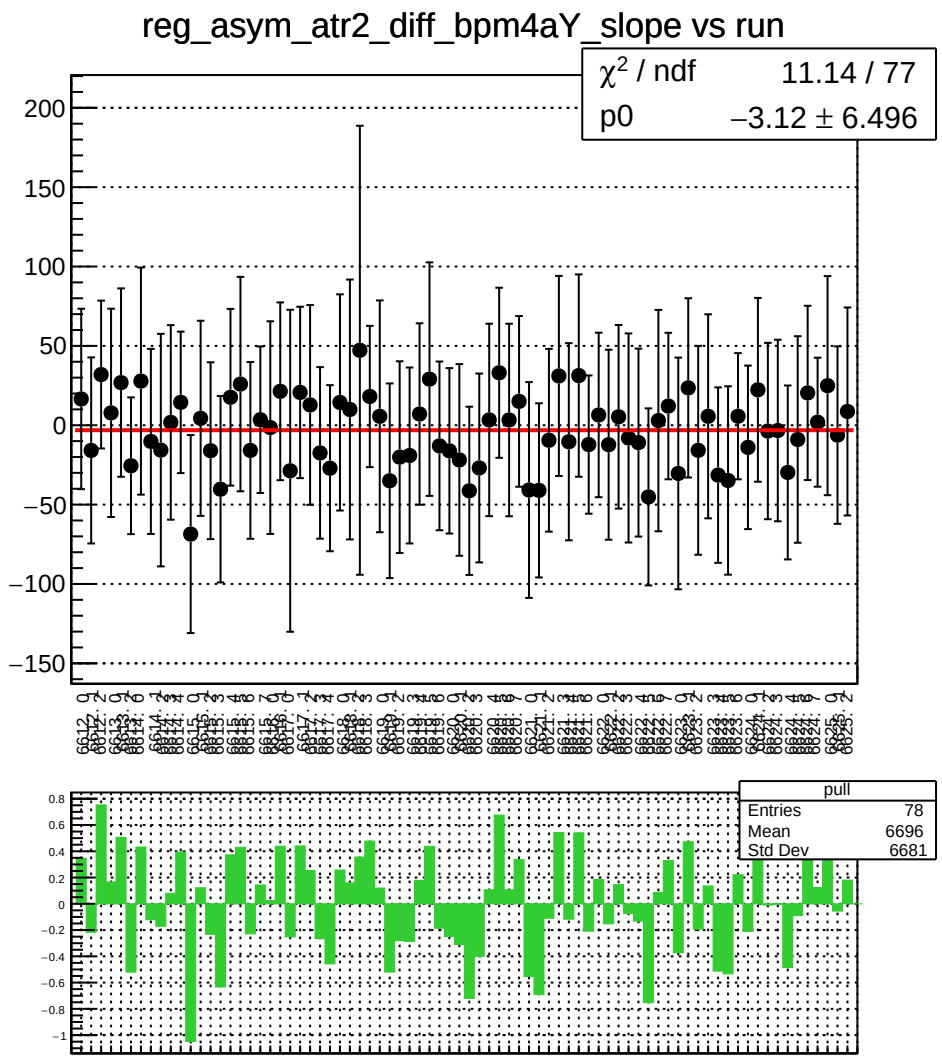

pull1D
Entries 78
Mean 0.004328
Std Dev 1.13

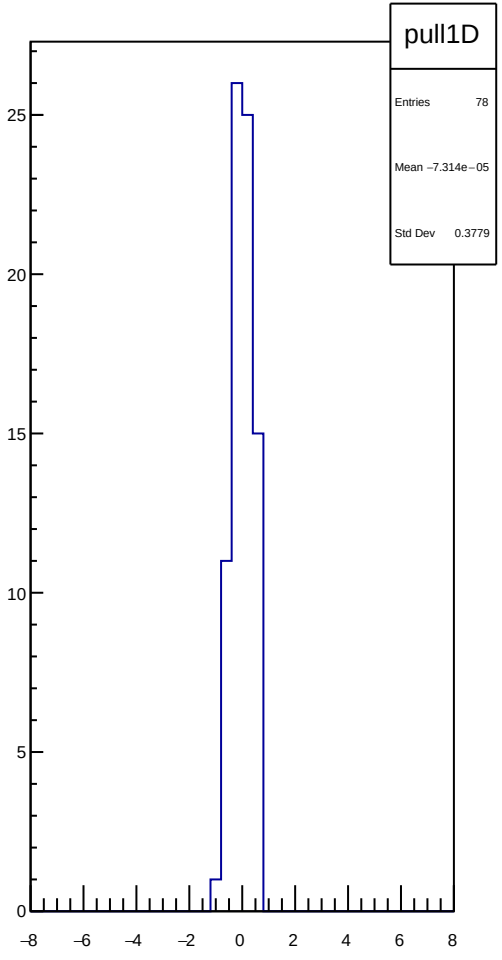

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 391.2 / 77
p0 −47.97 ± 0.1503
pull
Entries 78
Mean −322.2
Std Dev 356.8

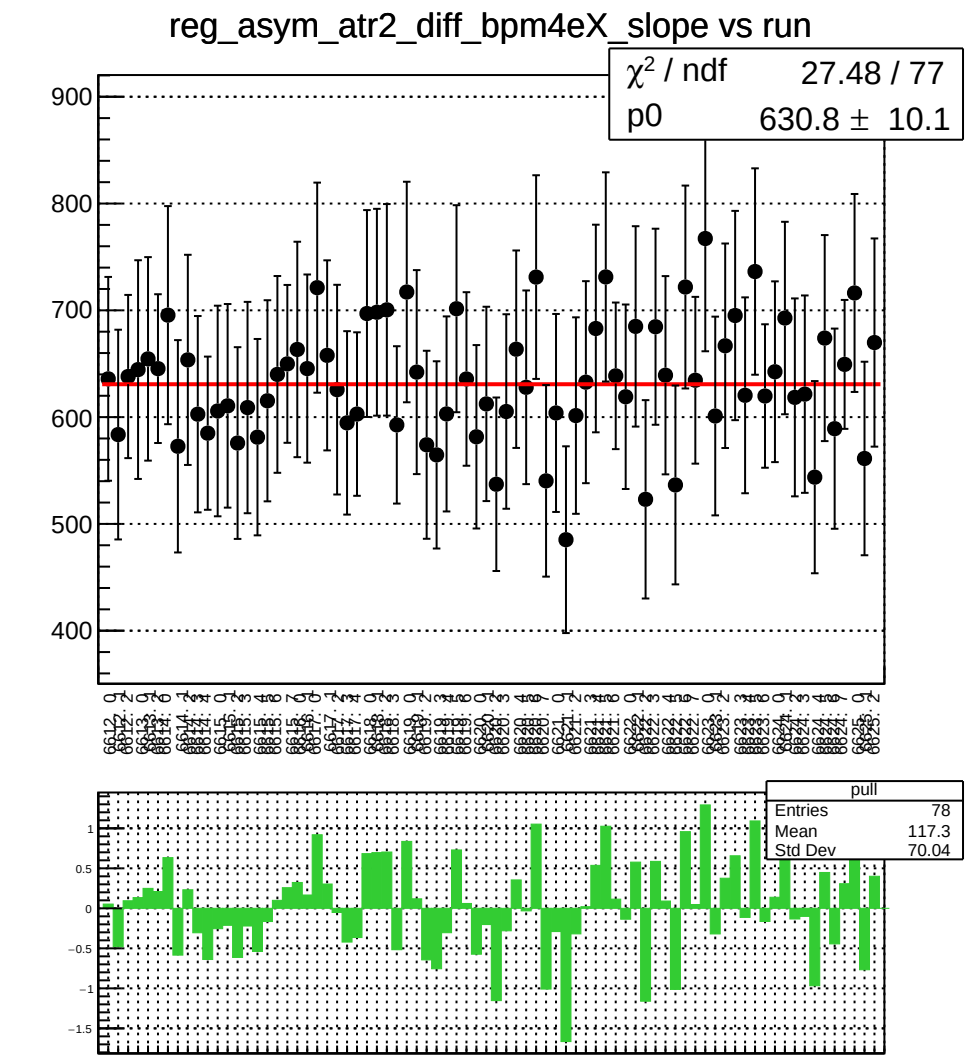

pull1D
Entries 78
Mean 0.1059
Std Dev 1.853

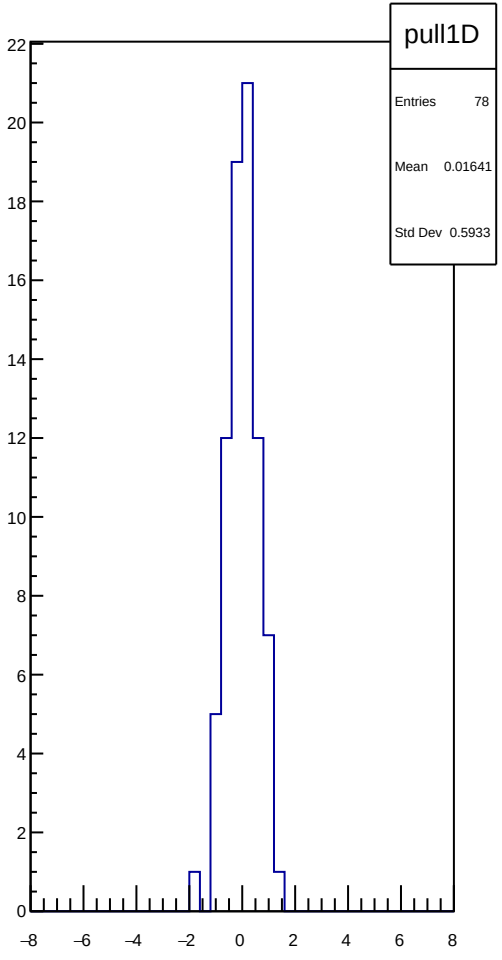

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 28.93 / 77
p0 −473.1± 9.473
−300
−400
−500
−600
−700
pull
Entries 78
Mean 82.21
Std Dev 26.64
1.5
1
0.5
0
−0.5
−1

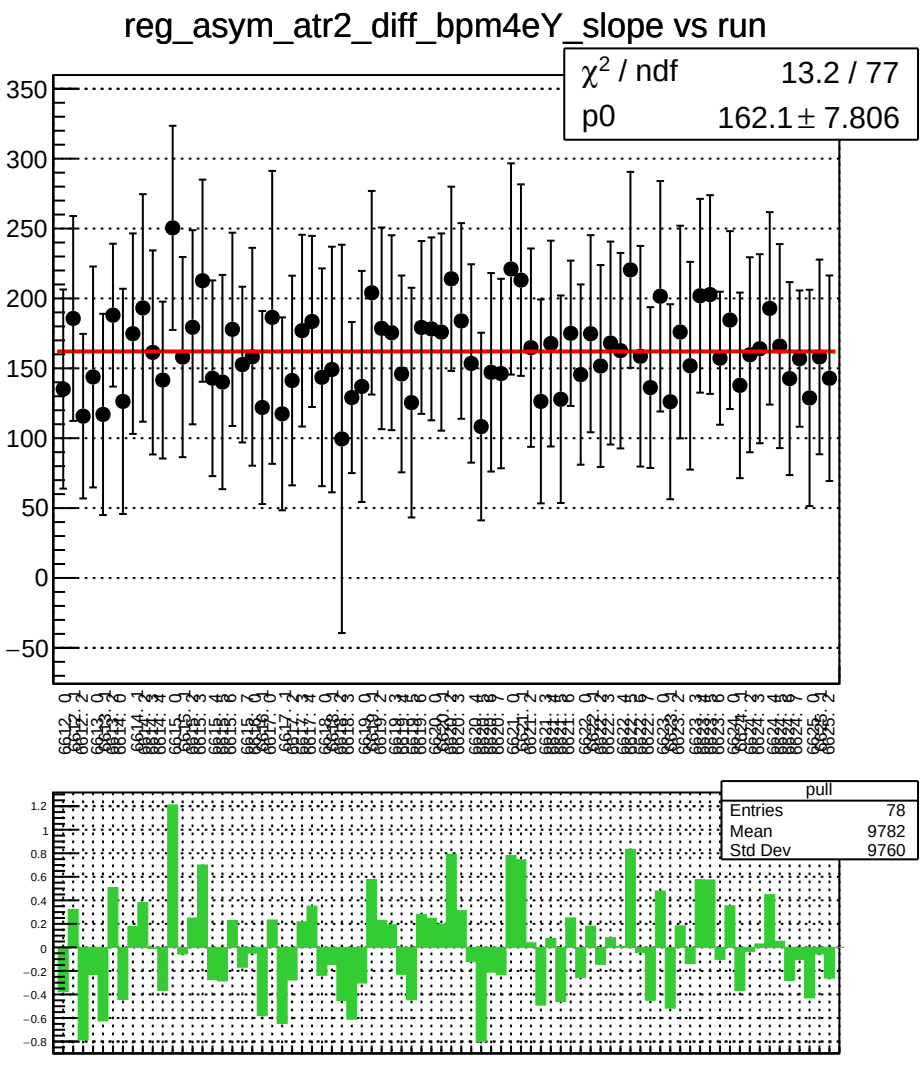

pull1D
Entries 78
Mean −0.01635
Std Dev 0.6088
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

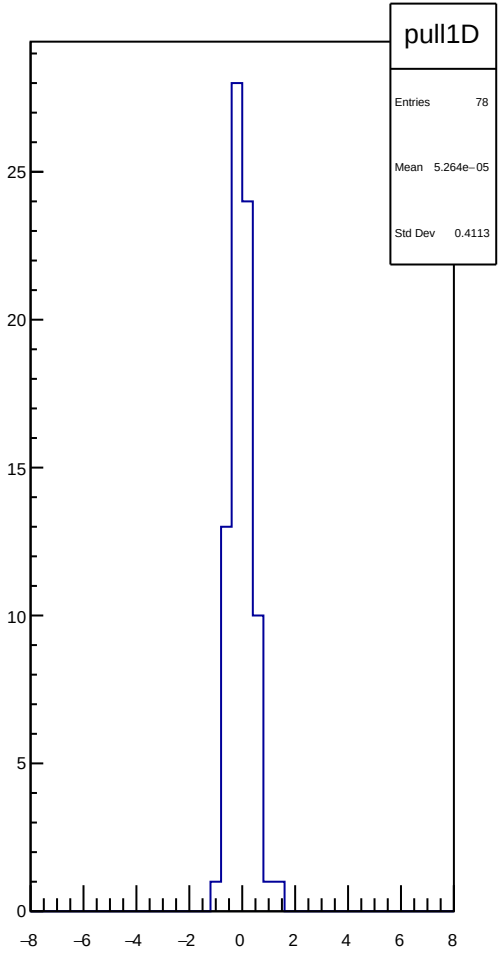

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 11.14 / 77
p0 −3.12 ± 6.496
pull
Entries 78
Mean 6696
Std Dev 6681

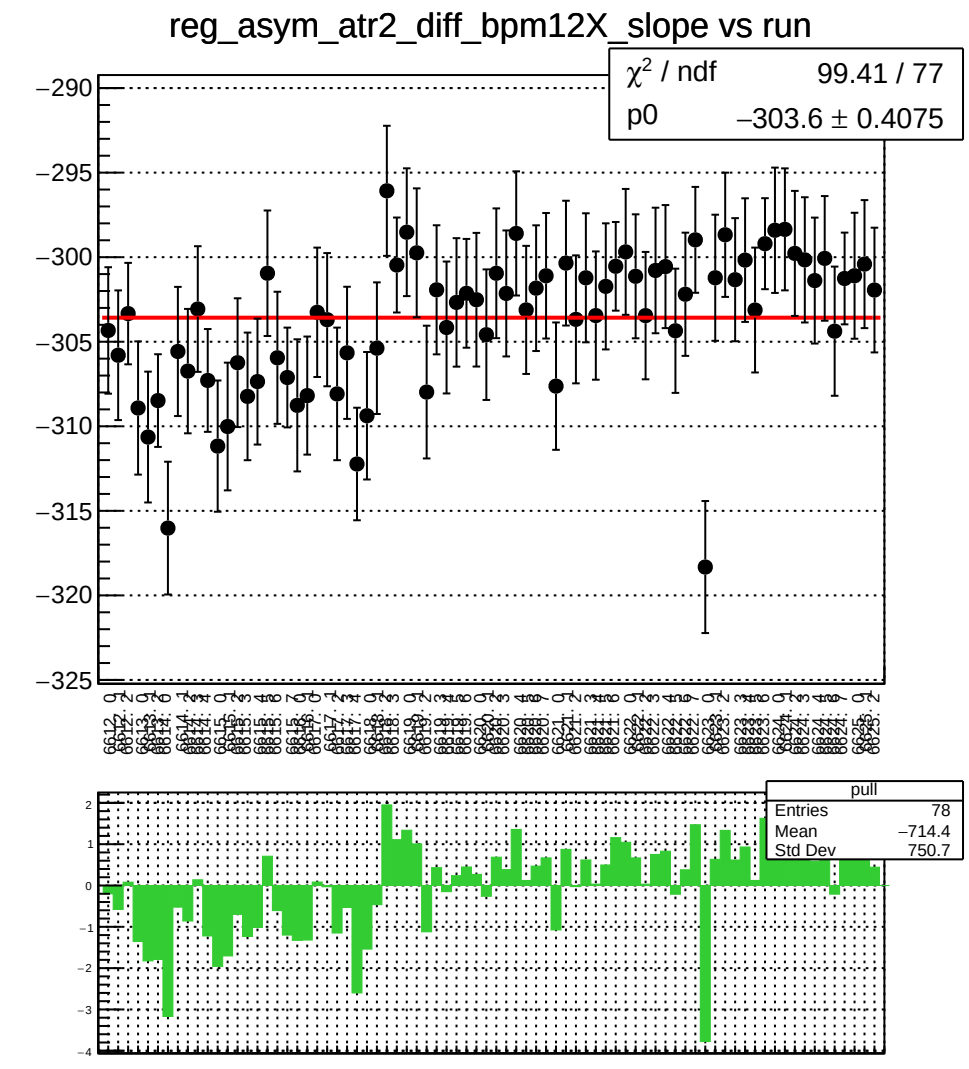

pull1D
Entries 78
Mean −7.314e−05
Std Dev 0.3779

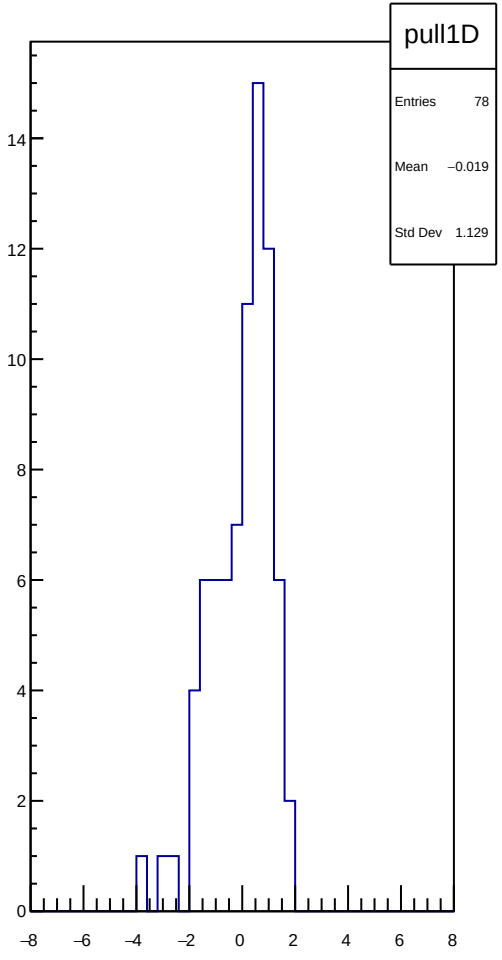

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 27.48 / 77
p0 630.8 ± 10.1
900
800
700
600
500
400
pull
Entries 78
Mean 117.3
Std Dev 70.04
1
0.5
0
−0.5
−1
−1.5

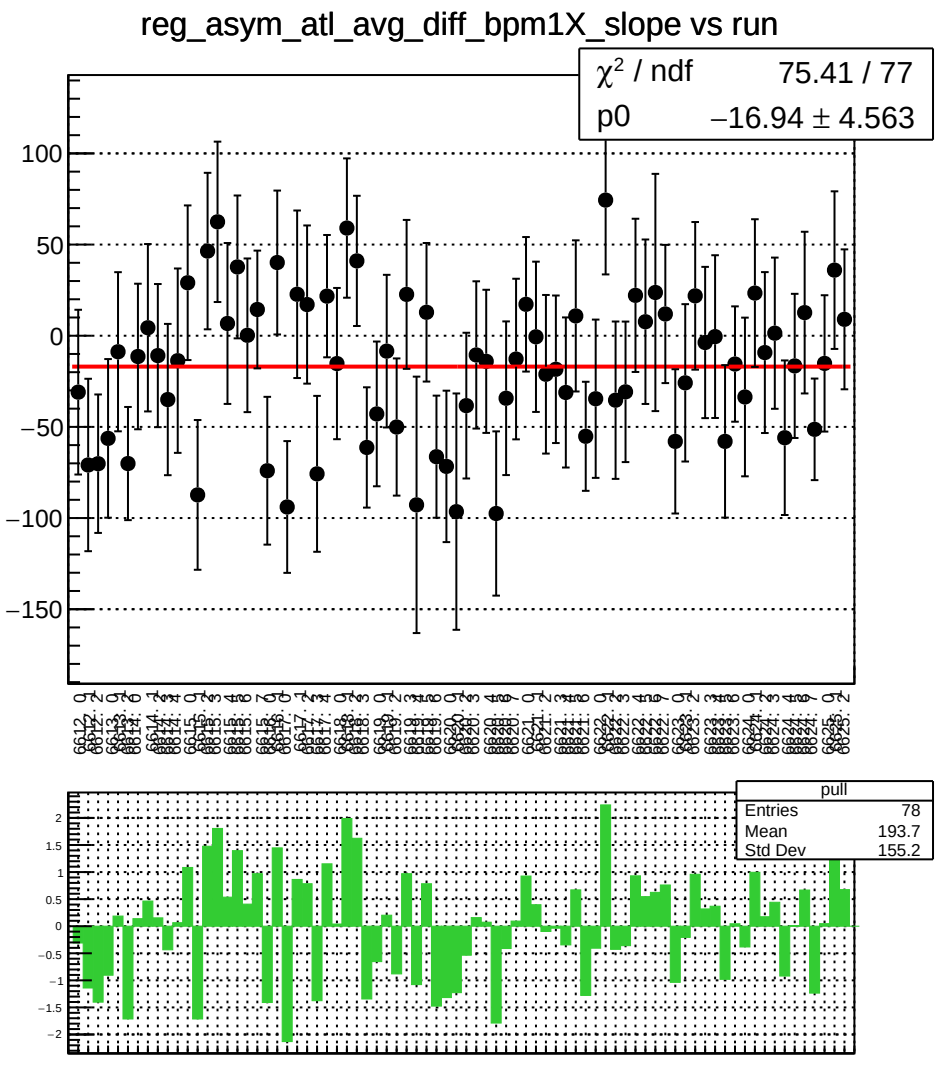

pull1D
Entries 78
Mean 0.01641
Std Dev 0.5933
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

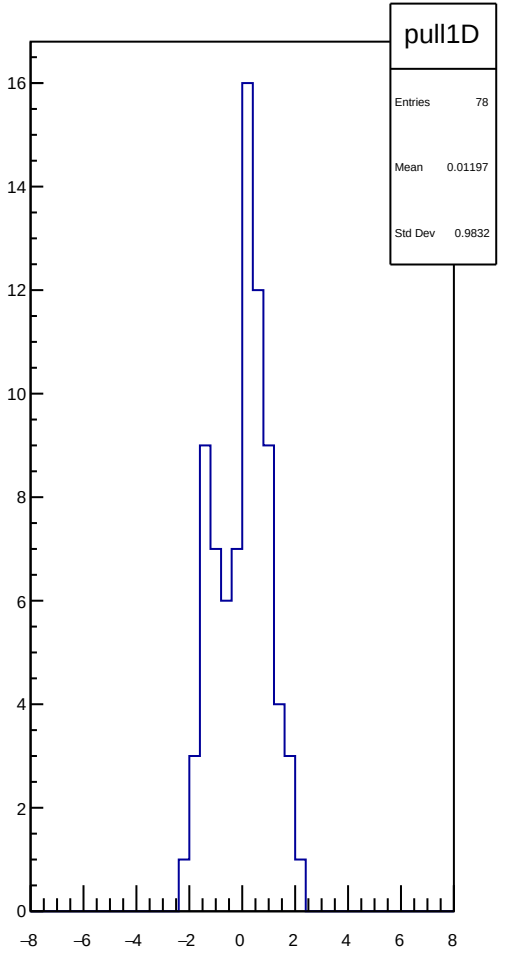

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 13.2 / 77
p0 162.1 ± 7.806
pull
Entries 78
Mean 9782
Std Dev 9760

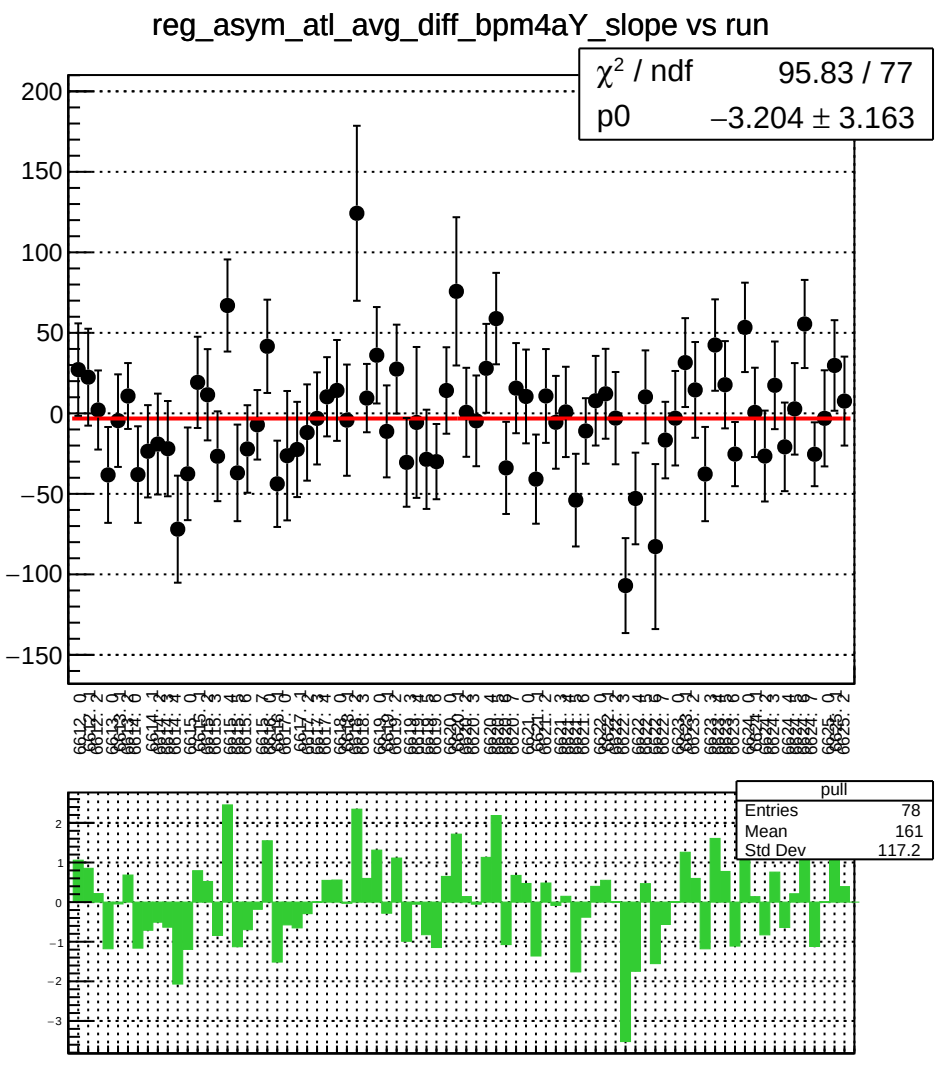

pull1D
Entries 78
Mean 5.264e−05
Std Dev 0.4113

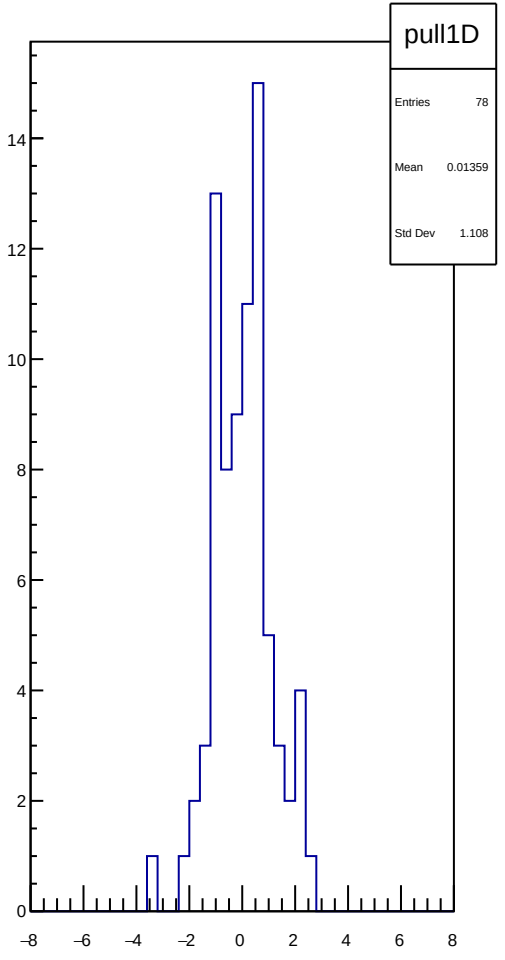

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 99.41 / 77
p0 −303.6 ± 0.4075
pull
Entries 78
Mean −714.4
Std Dev 750.7

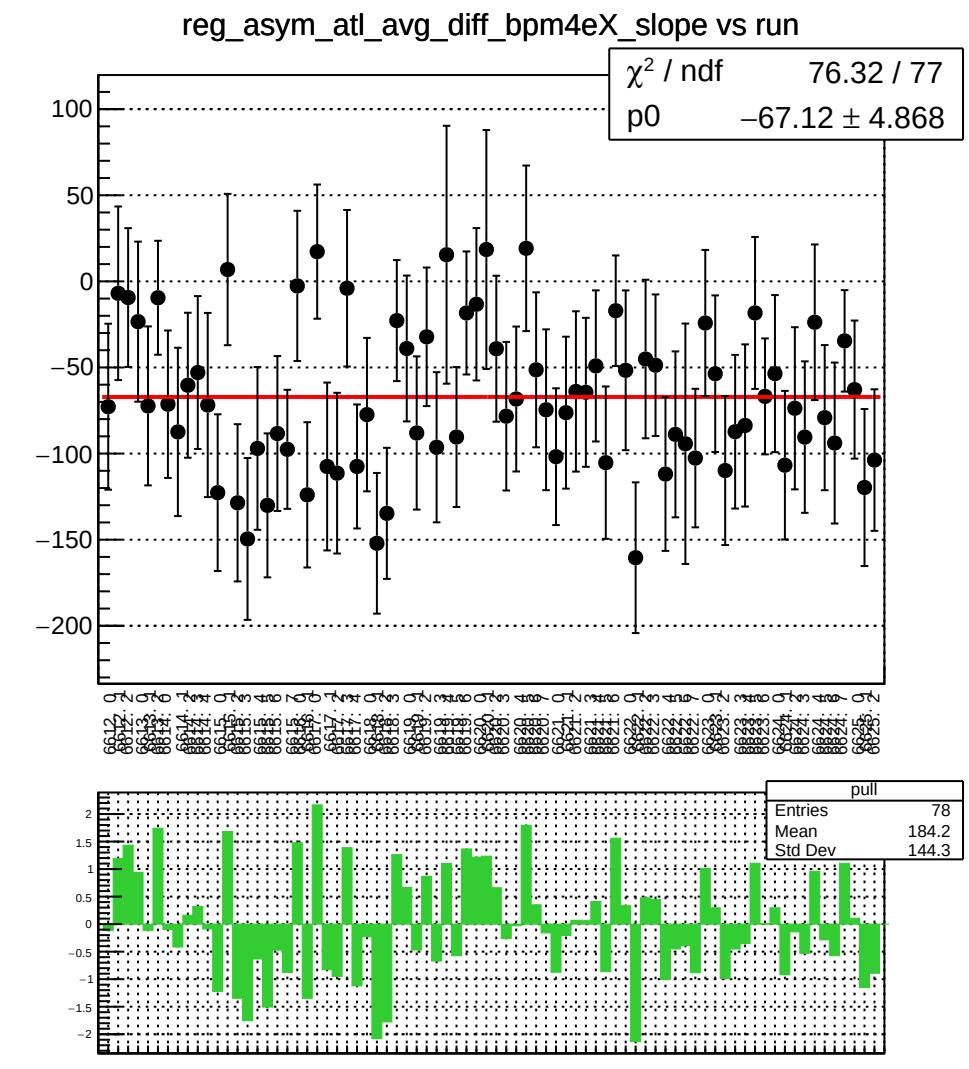

pull1D
Entries 78
Mean −0.019
Std Dev 1.129

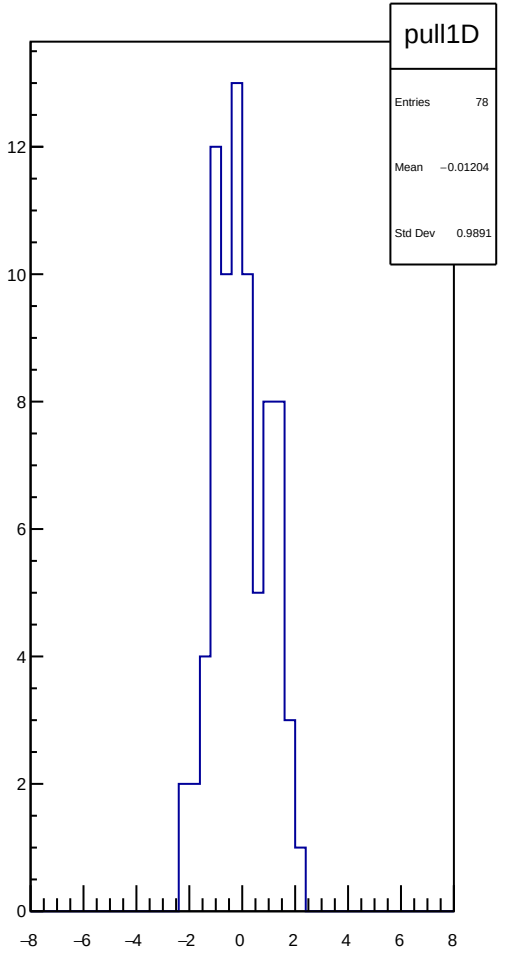

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 75.41 / 77
p0 −16.94 ± 4.563
pull
Entries 78
Mean 193.7
Std Dev 155.2

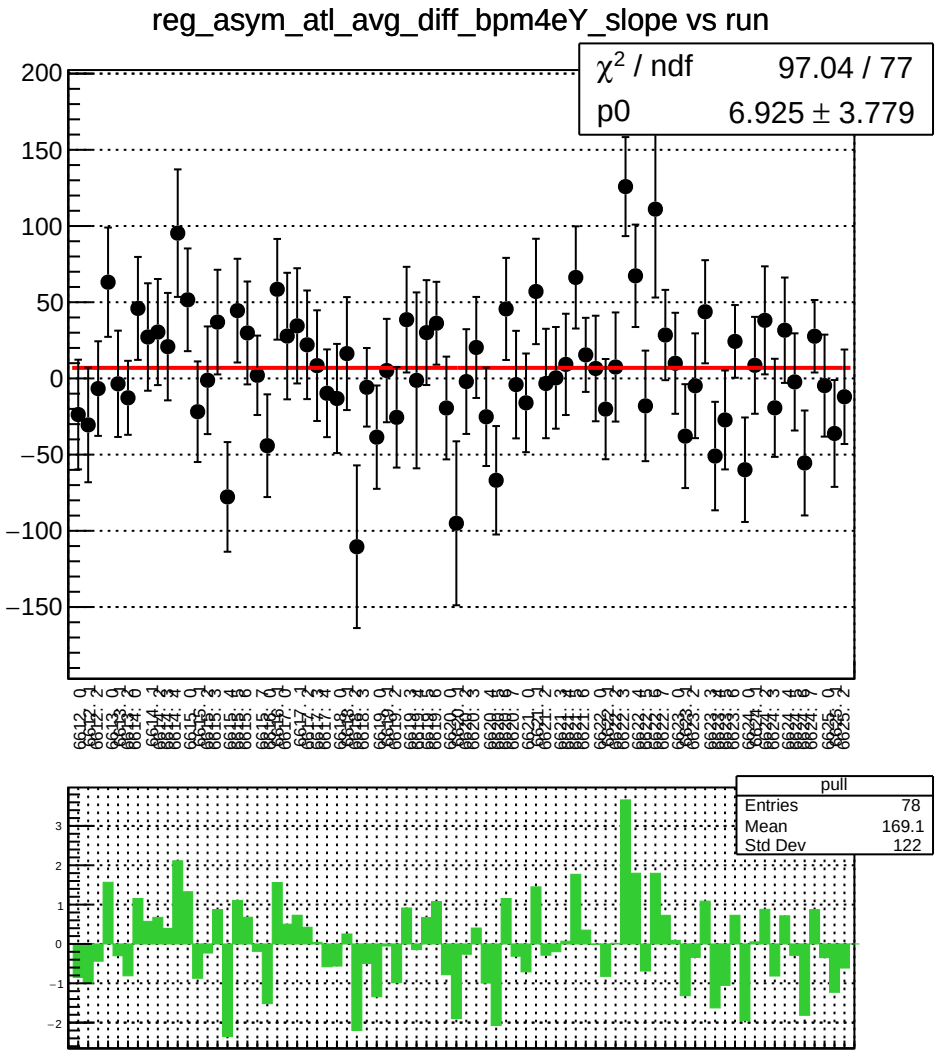

pull1D
Entries 78
Mean 0.01197
Std Dev 0.9832

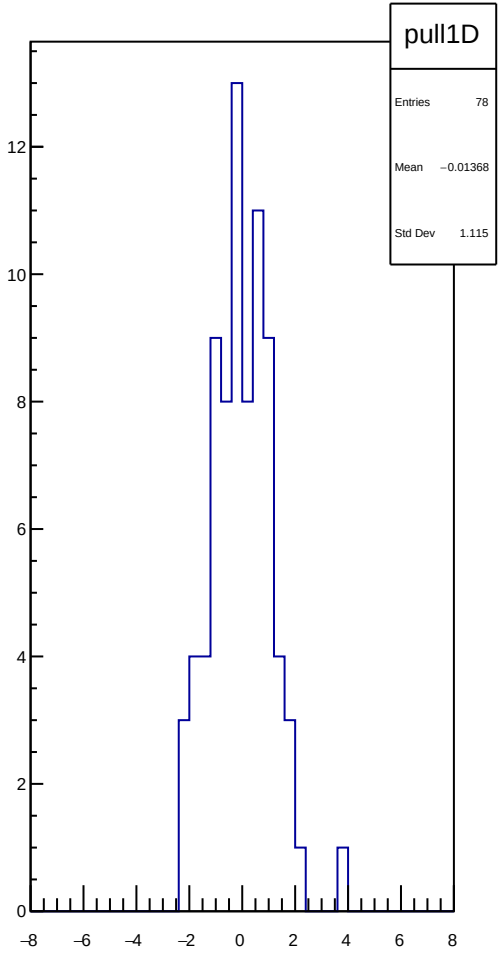

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 95.83 / 77
p0 −3.204 ± 3.163
pull
Entries 78
Mean 161
Std Dev 117.2

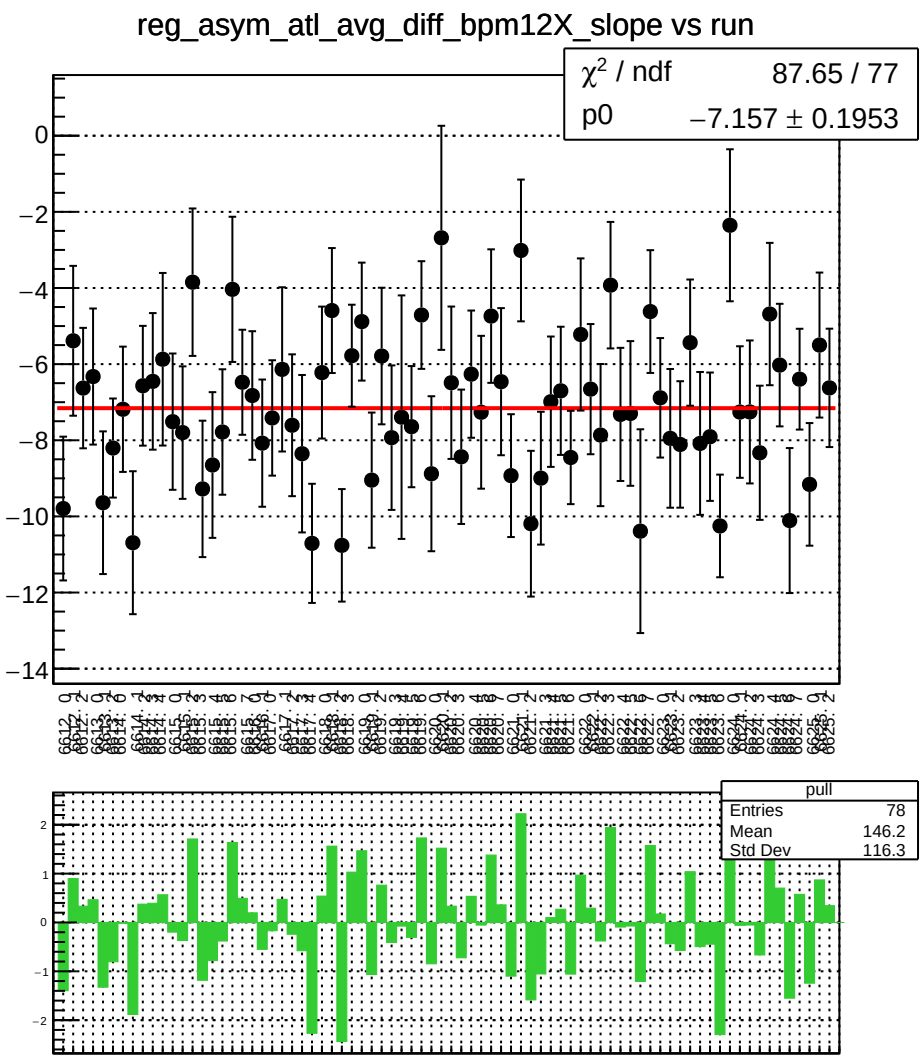

pull1D
Entries 78
Mean 0.01359
Std Dev 1.108

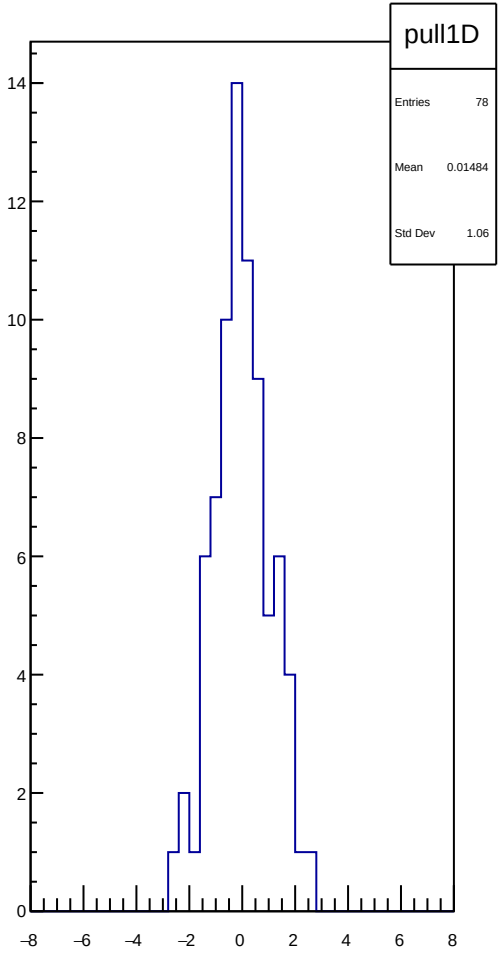

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 76.32 / 77
p0 −67.12 ± 4.868
pull
Entries 78
Mean 184.2
Std Dev 144.3

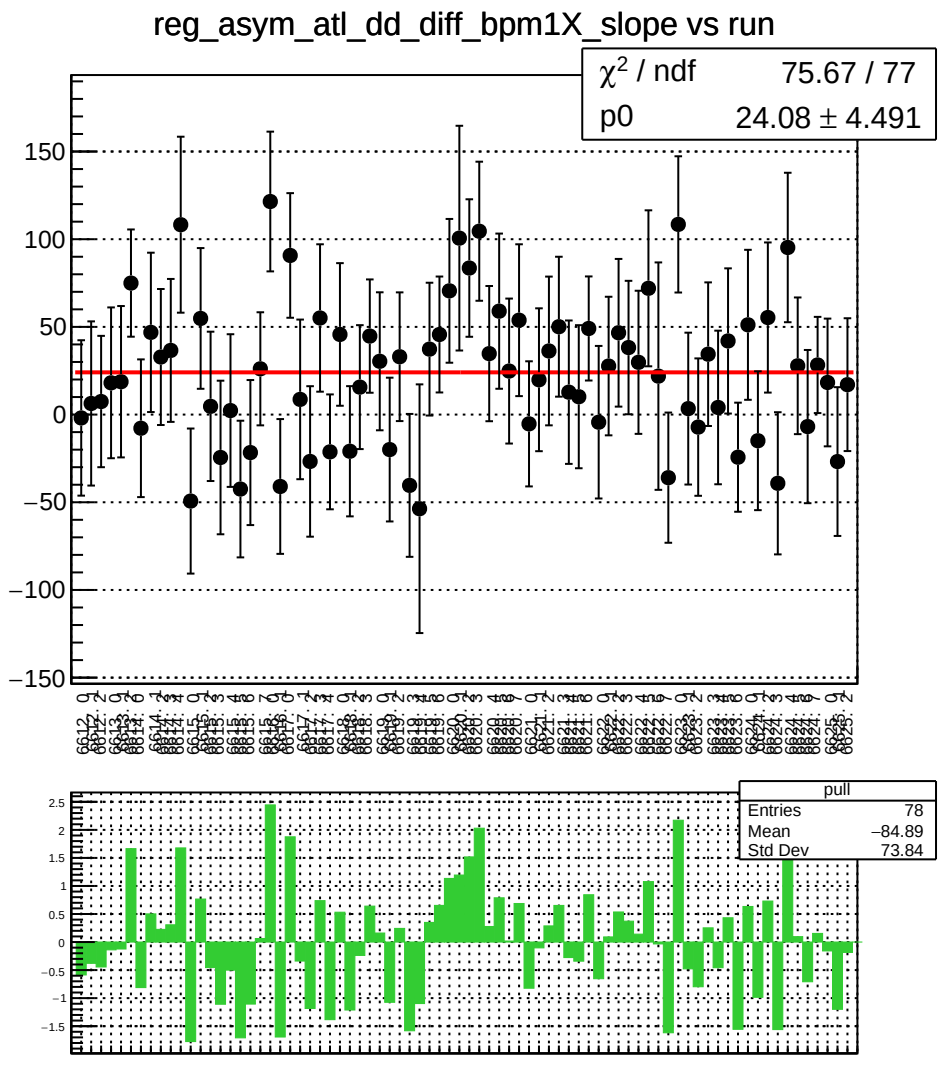

pull1D
Entries 78
Mean −0.01204
Std Dev 0.9891

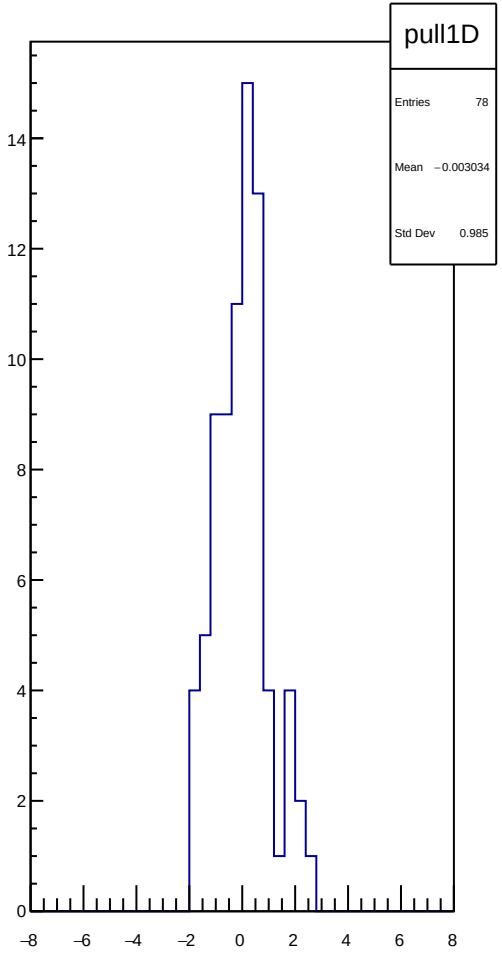

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 97.04 / 77
p0 6.925 ± 3.779
pull
Entries 78
Mean 169.1
Std Dev 122

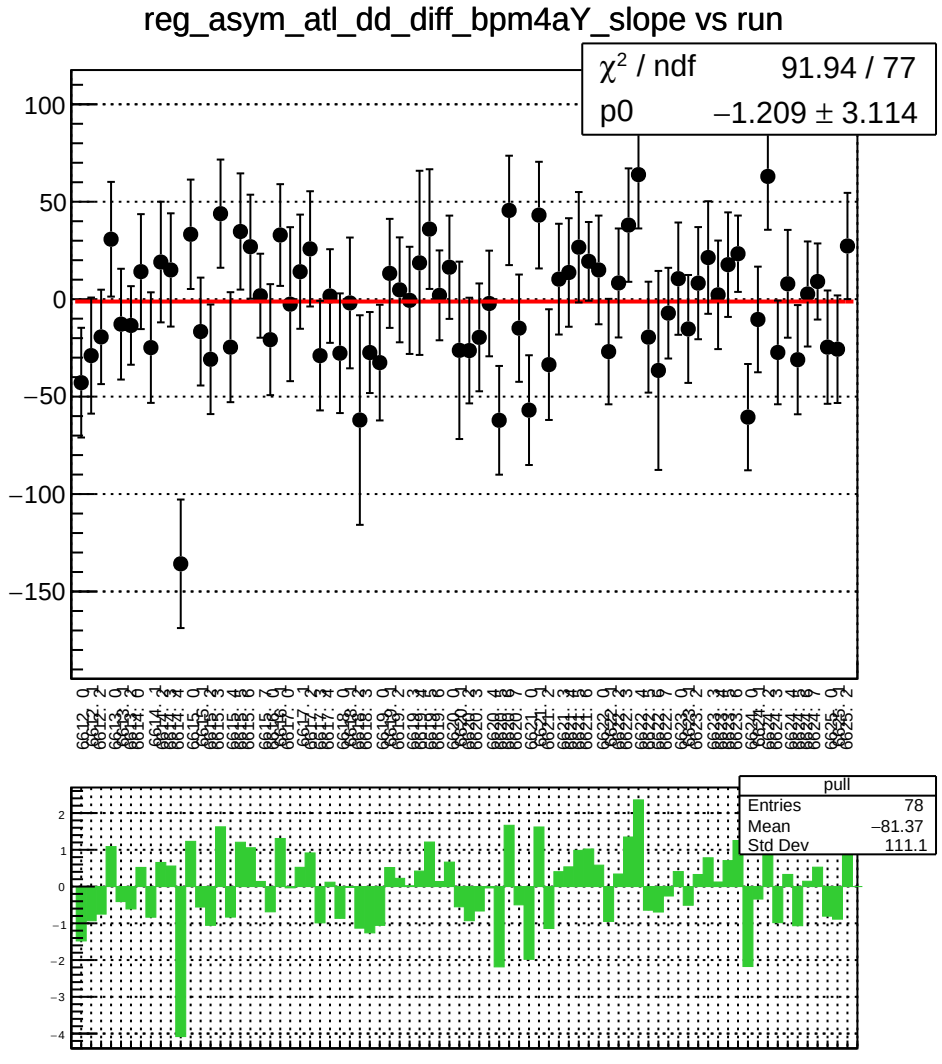

pull1D
Entries 78
Mean −0.01368
Std Dev 1.115

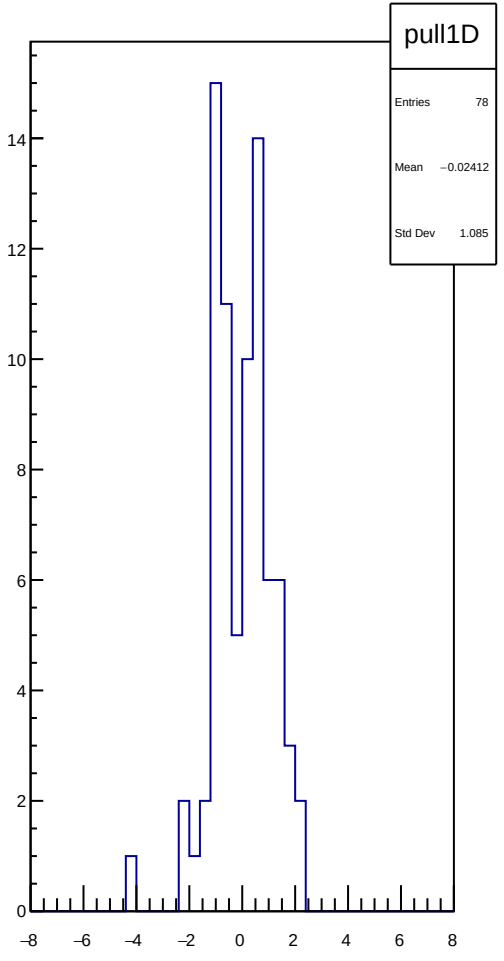

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 87.65 / 77
p0 −7.157 ± 0.1953
pull
Entries 78
Mean 146.2
Std Dev 116.3

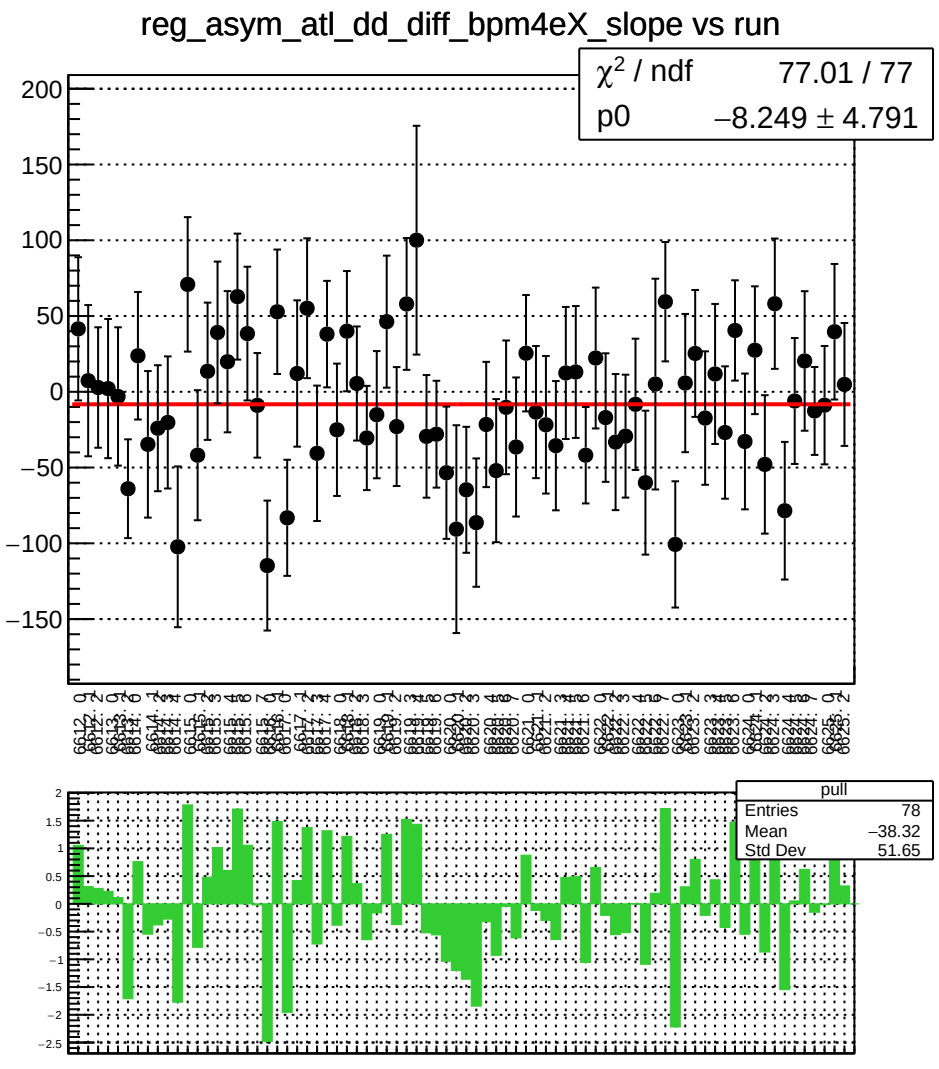

pull1D
Entries 78
Mean 0.01484
Std Dev 1.06

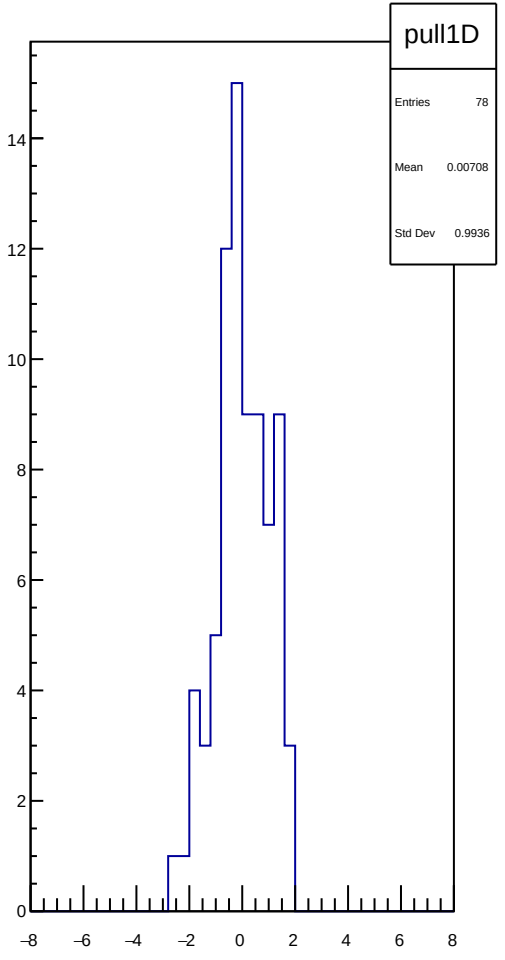

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 75.67 / 77
p0 24.08 ± 4.491
pull
Entries 78
Mean −84.89
Std Dev 73.84

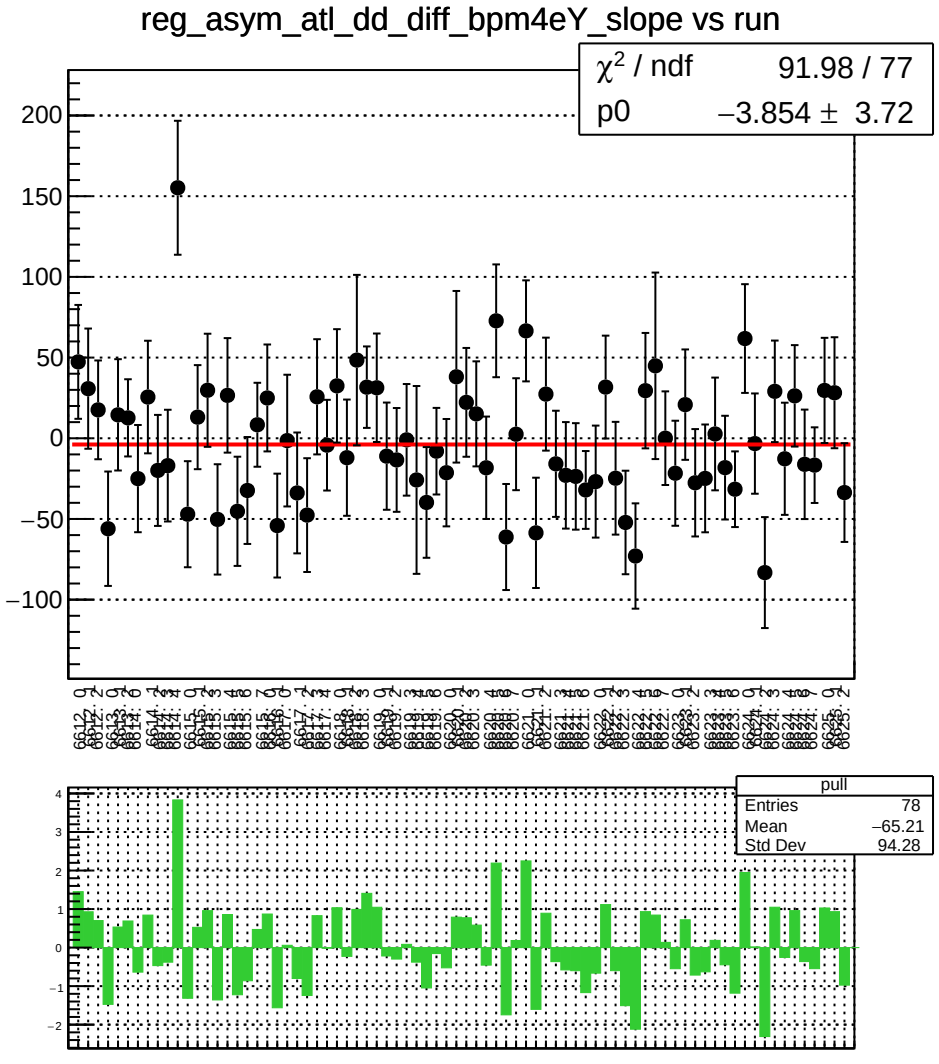

pull1D
Entries 78
Mean −0.003034
Std Dev 0.985

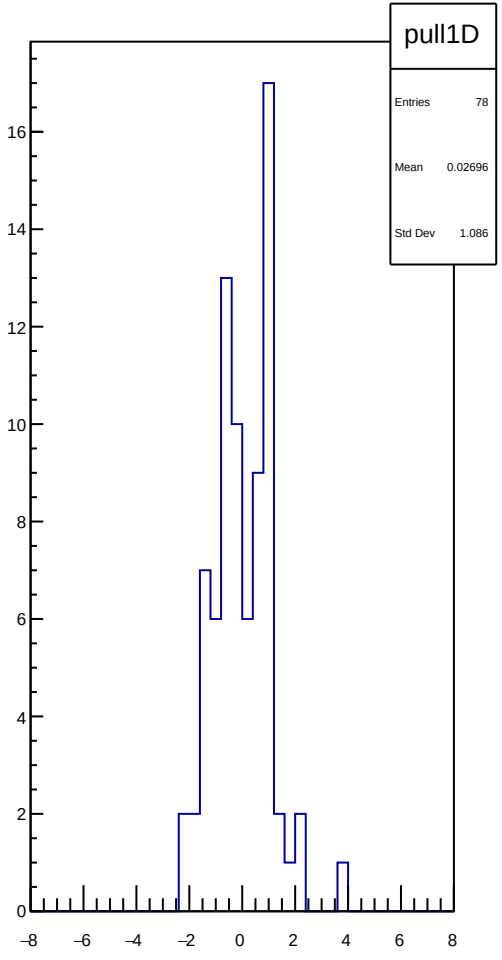

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 91.94 / 77
p0 −1.209 ± 3.114
pull
Entries 78
Mean −81.37
Std Dev 111.1

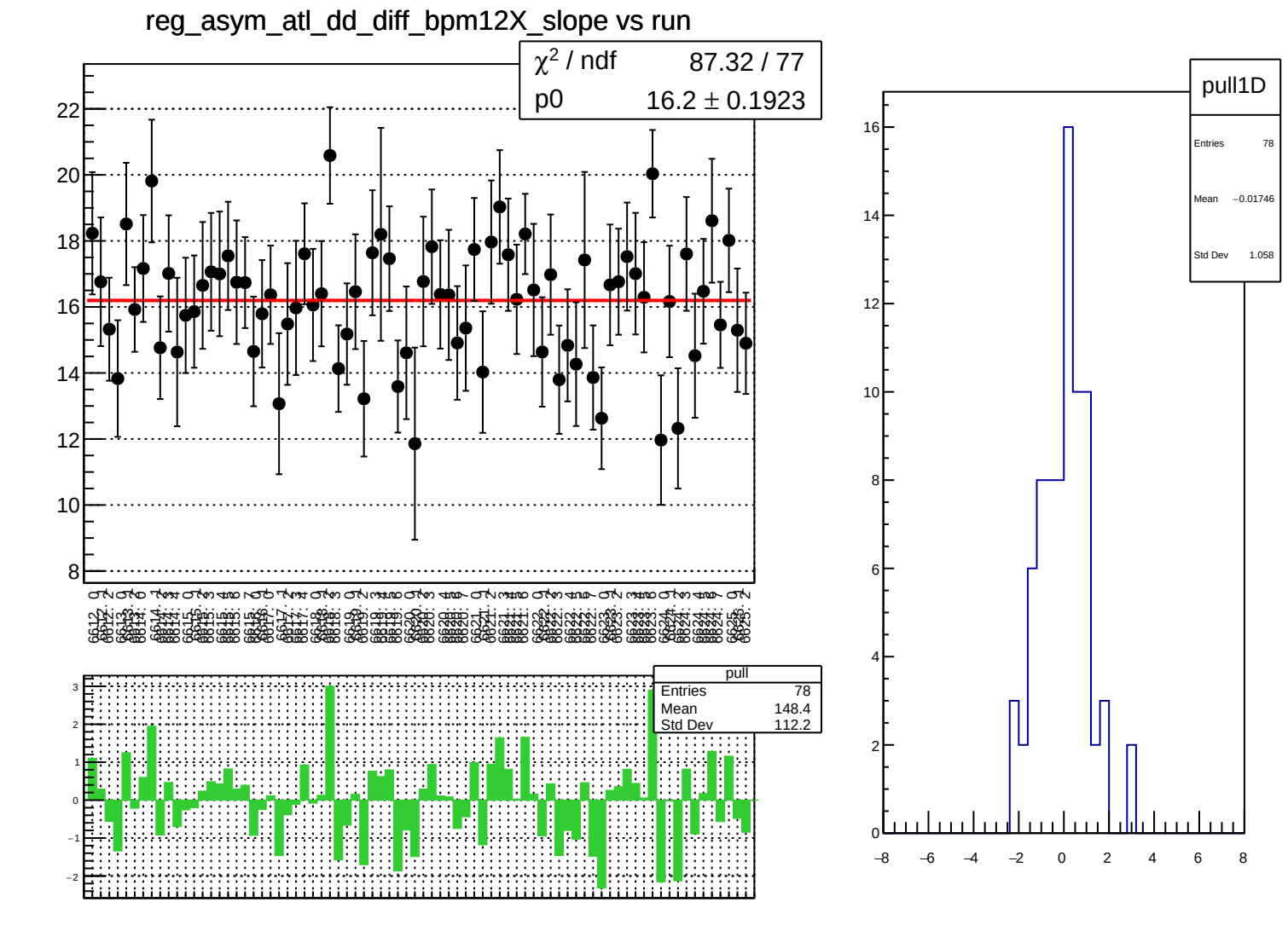

pull1D
Entries 78
Mean −0.02412
Std Dev 1.085

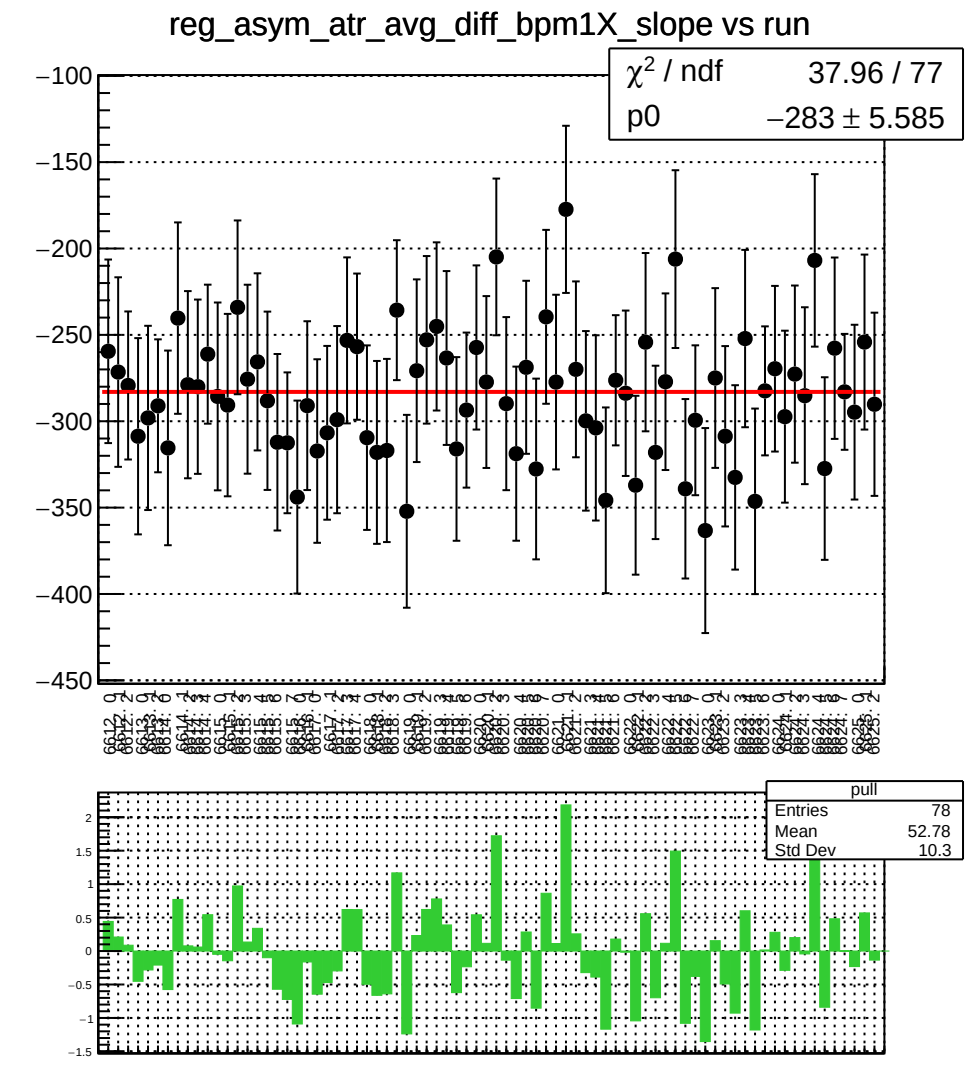

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 77.01 / 77
p0 −8.249 ± 4.791
pull
Entries 78
Mean −38.32
Std Dev 51.65

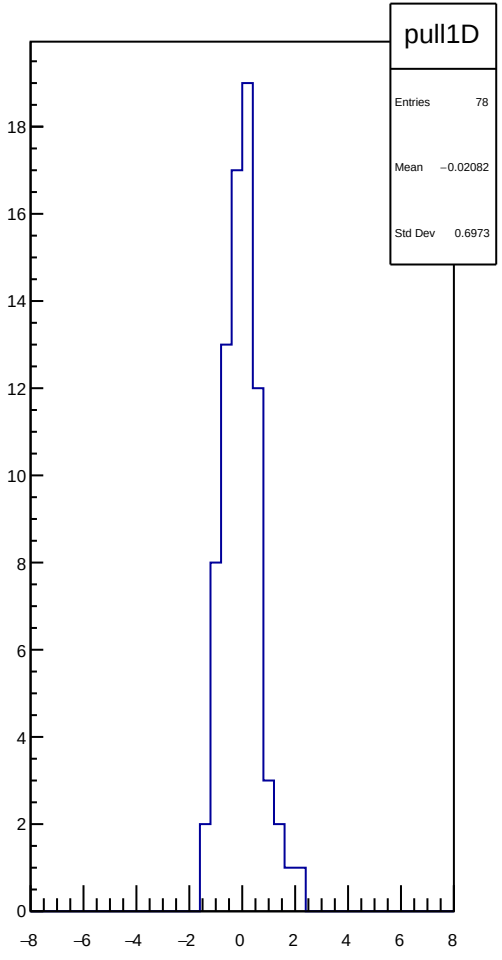

pull1D
Entries 78
Mean 0.00708
Std Dev 0.9936

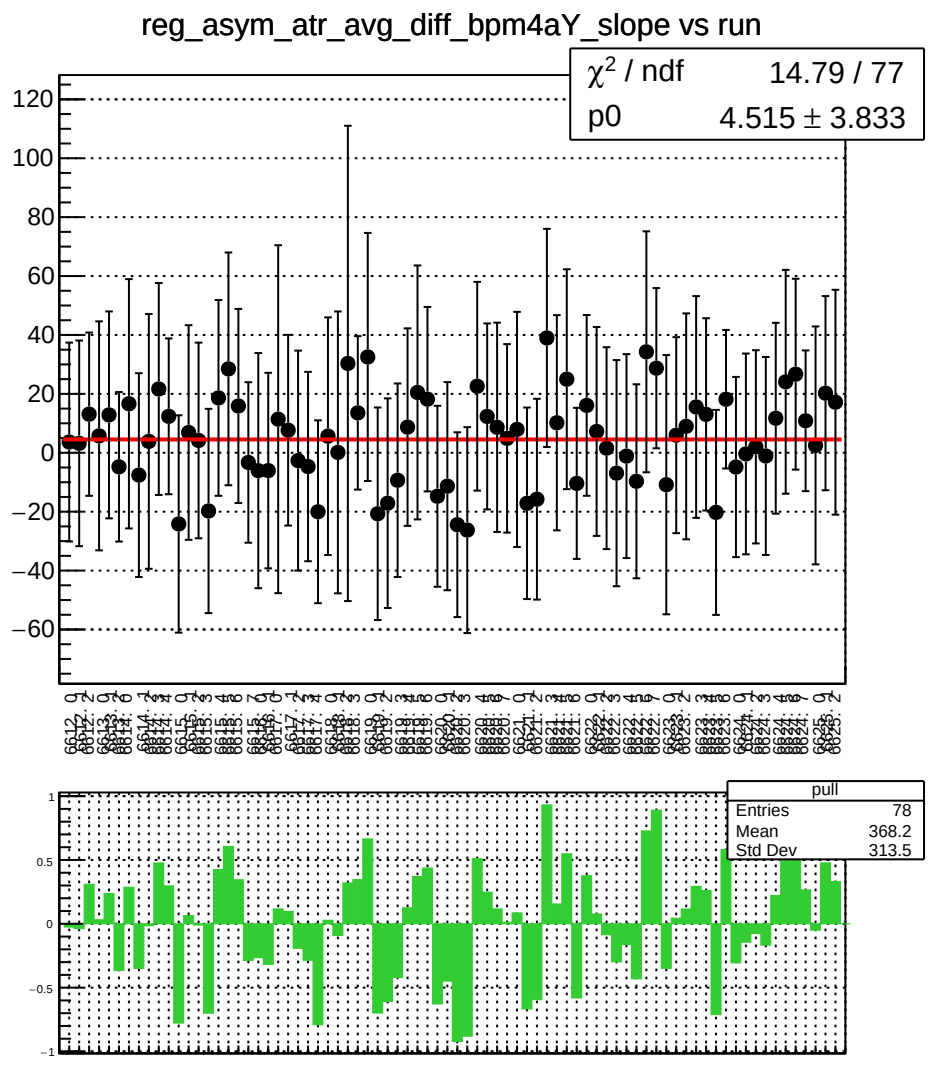

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 91.98 / 77
p0 −3.854 ± 3.72
pull
Entries 78
Mean −65.21
Std Dev 94.28

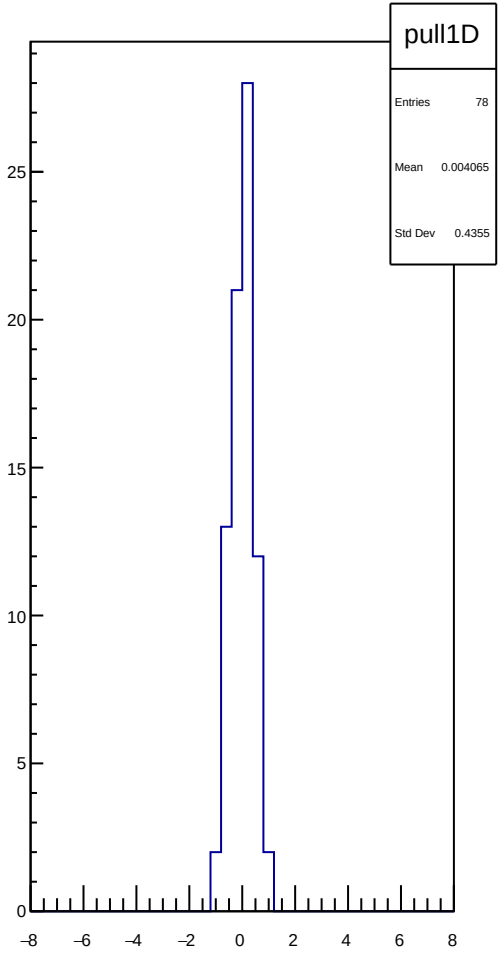

pull1D
Entries 78
Mean 0.02696
Std Dev 1.086

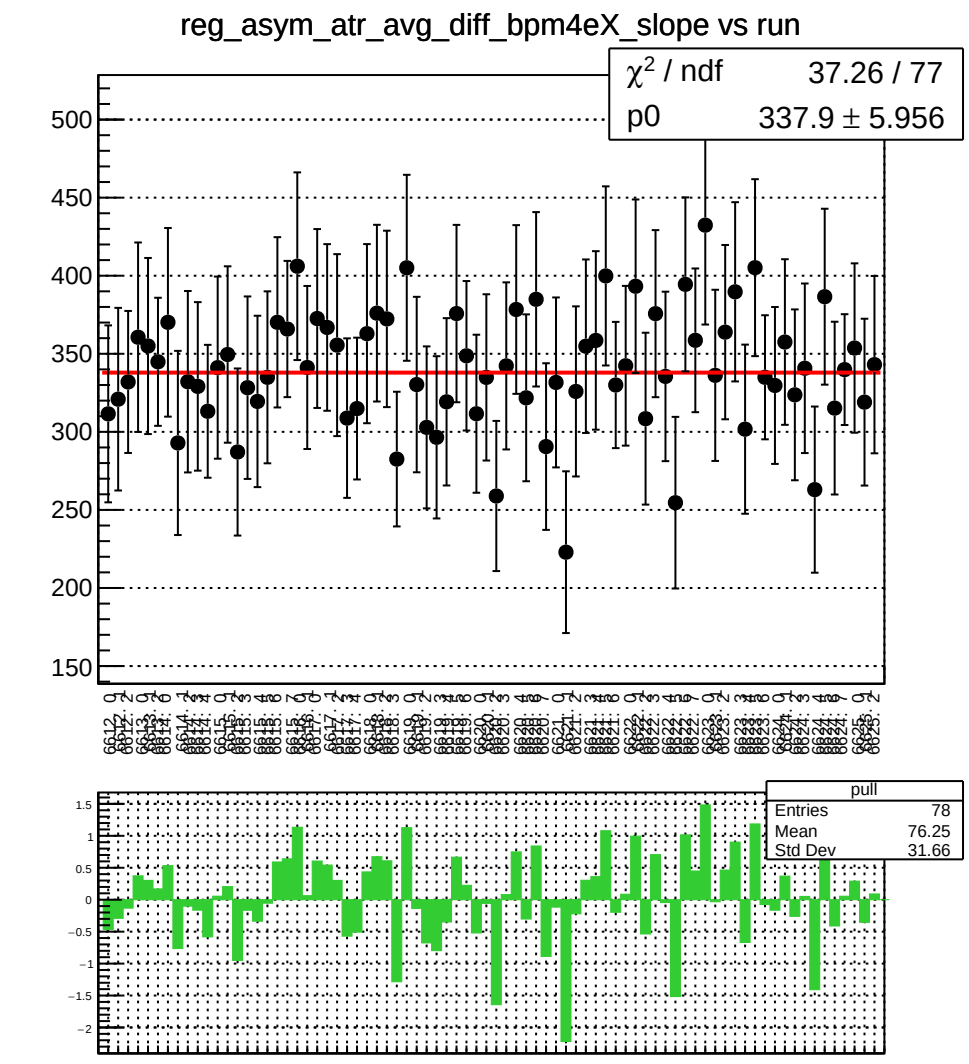

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 87.32 / 77
p0 16.2 ± 0.1923
pull
Entries 78
Mean 148.4
Std Dev 112.2
pull1D
Entries 78
Mean −0.01746
Std Dev 1.058

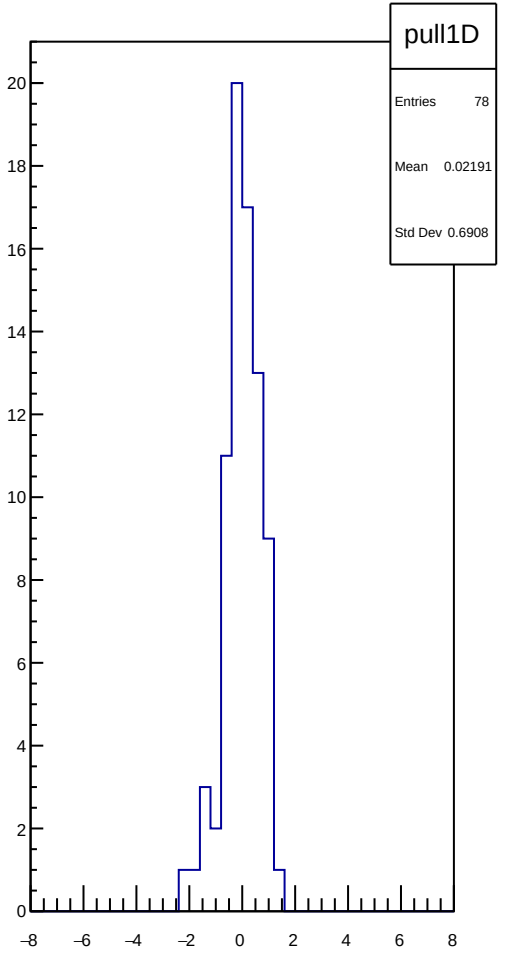

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 37.96 / 77
p0 −283 ± 5.585
pull
Entries 78
Mean 52.78
Std Dev 10.3

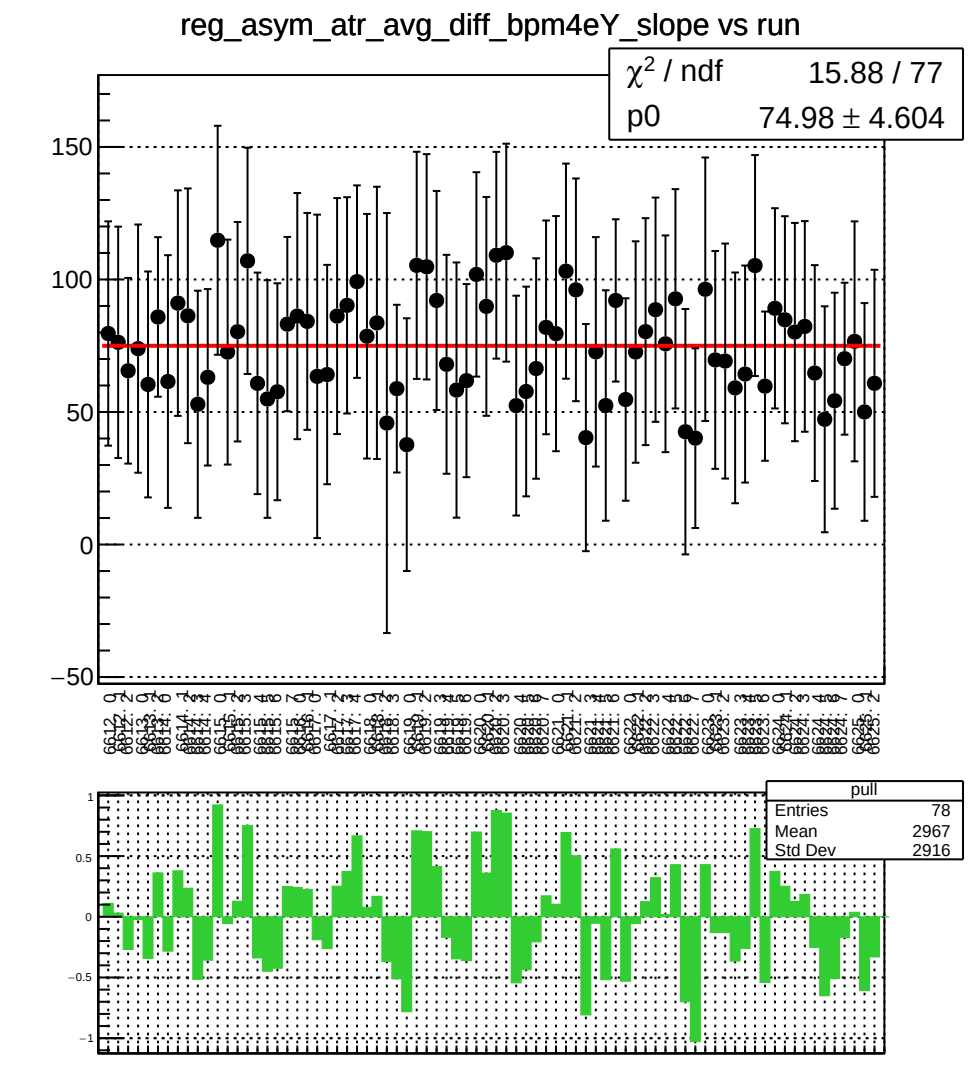

pull1D
Entries 78
Mean −0.02082
Std Dev 0.6973

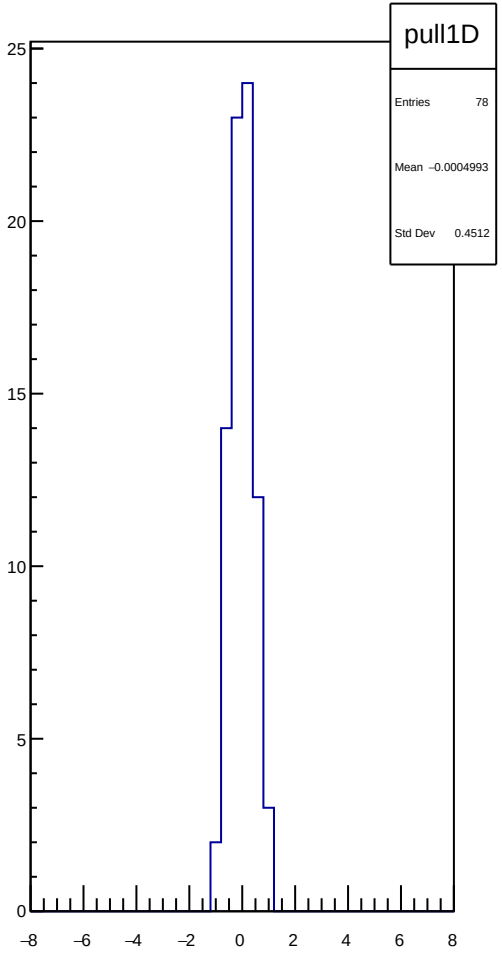

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 14.79 / 77
p0 4.515 ± 3.833
pull
Entries 78
Mean 368.2
Std Dev 313.5

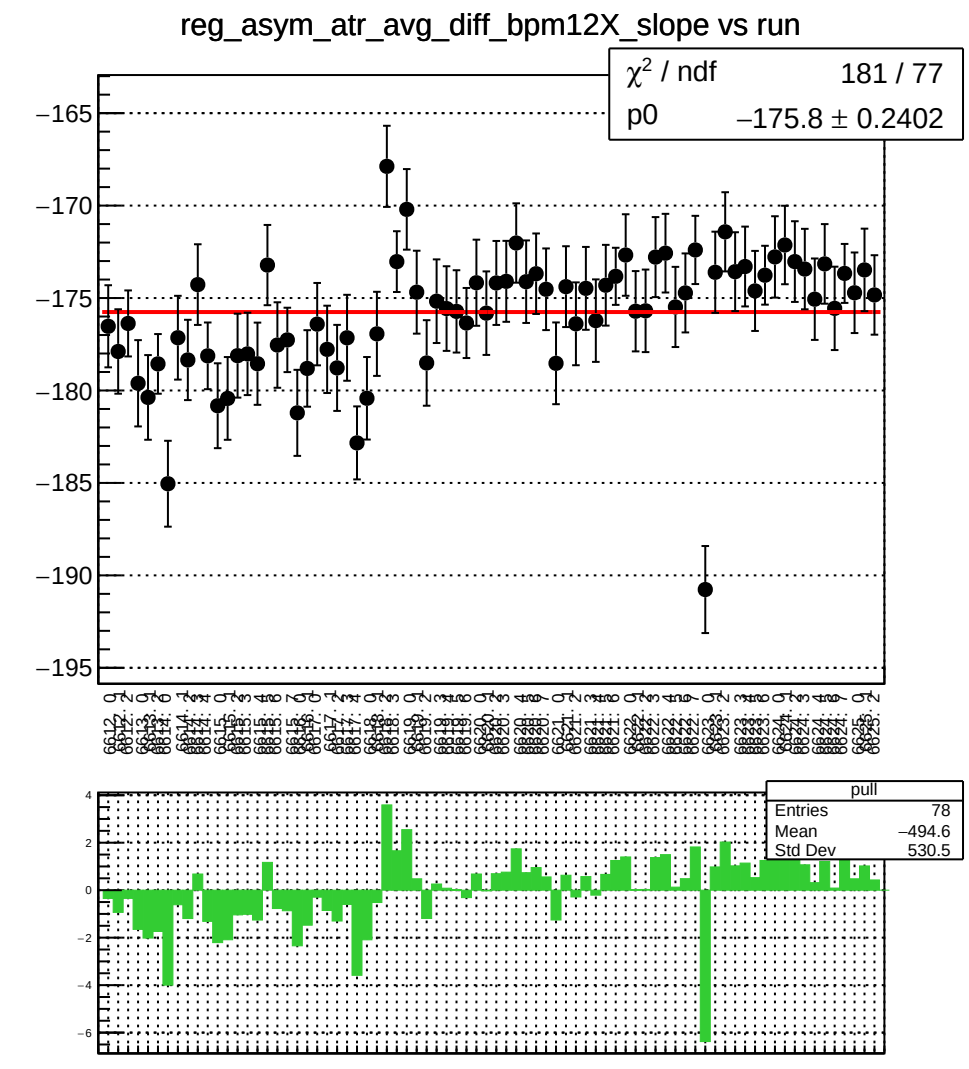

pull1D
Entries 78
Mean 0.004065
Std Dev 0.4355

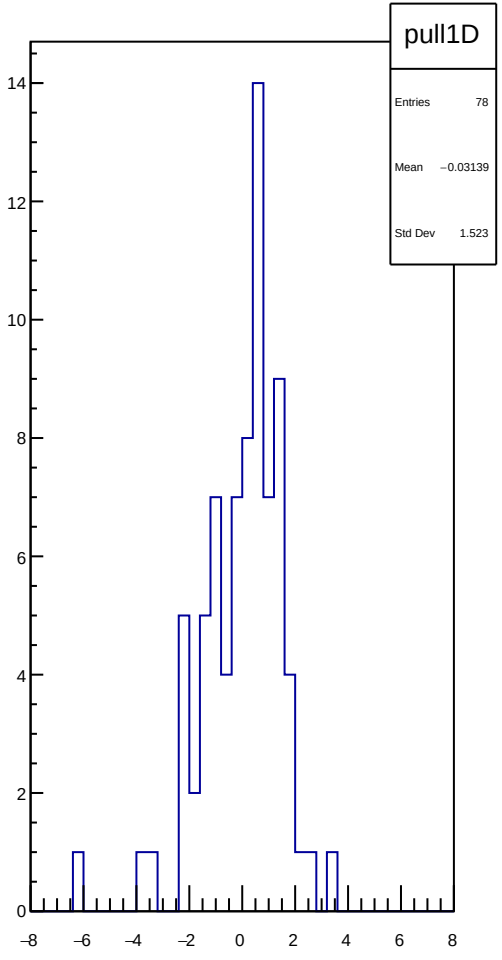

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 37.26 / 77
p0 337.9 ± 5.956
pull
Entries 78
Mean 76.25
Std Dev 31.66

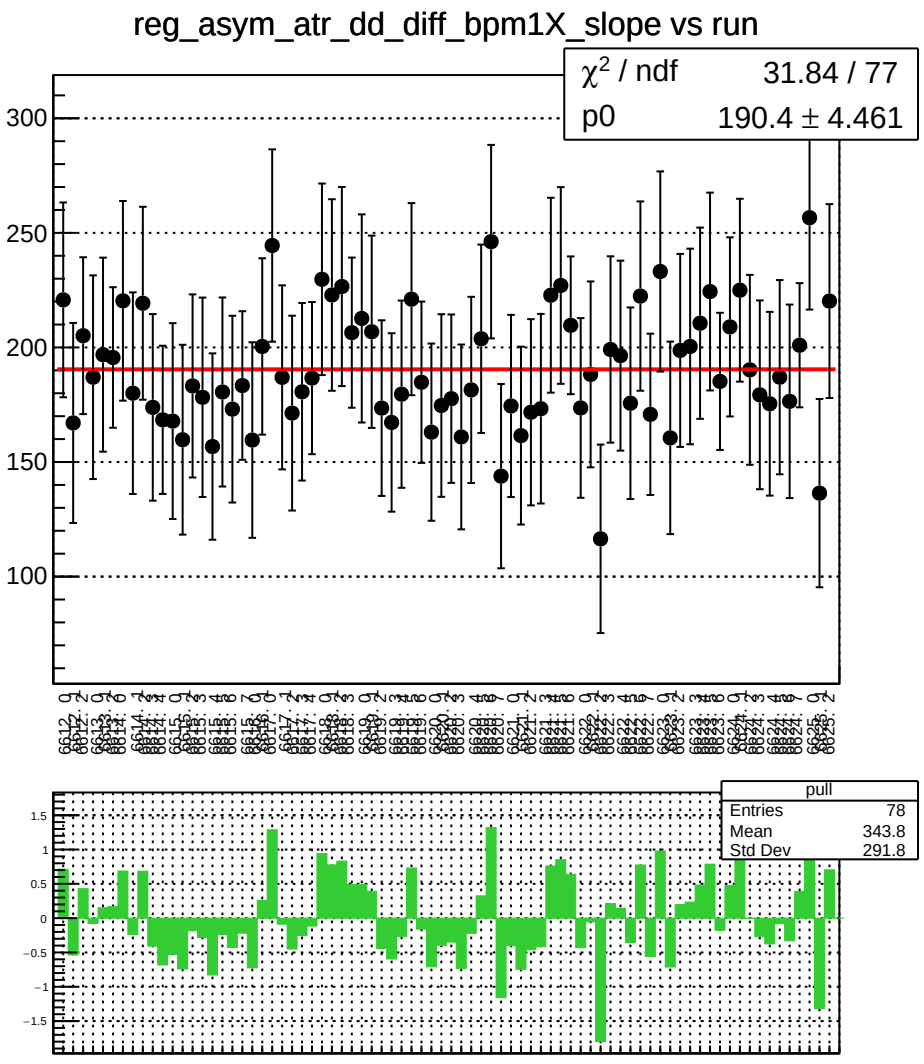

pull1D
Entries 78
Mean 0.02191
Std Dev 0.6908

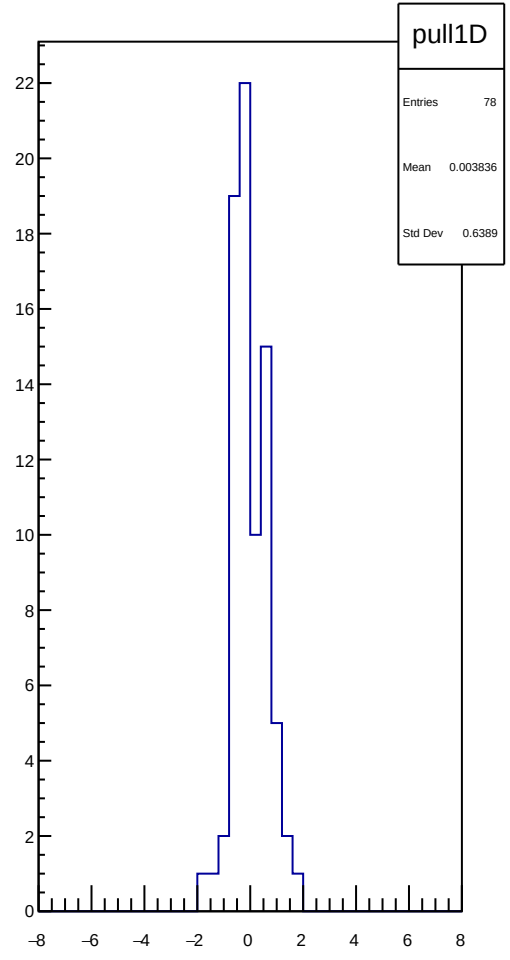

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 15.88 / 77
p0 74.98 ± 4.604
150
100
50
0
−50
pull
Entries 78
Mean 2967
Std Dev 2916
1
0.5
0
−0.5
−1

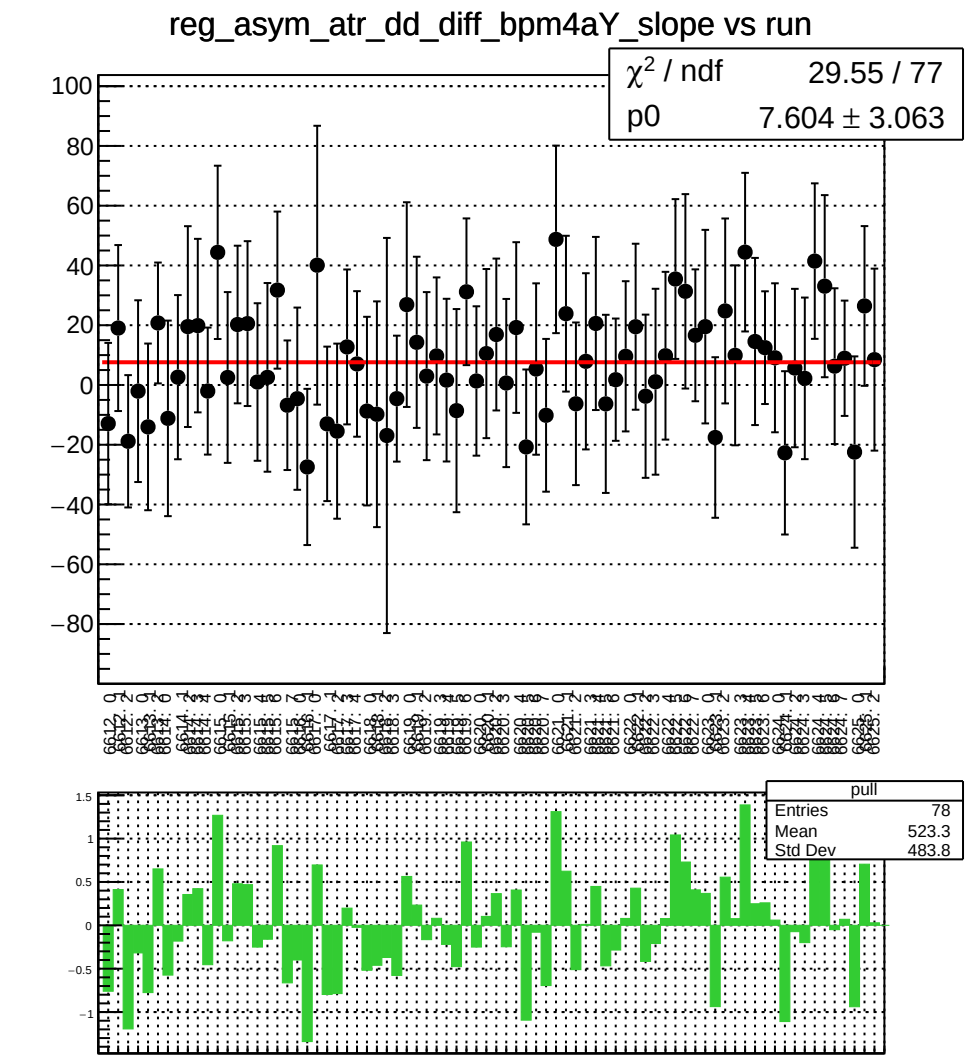

pull1D
Entries 78
Mean −0.0004993
Std Dev 0.4512
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

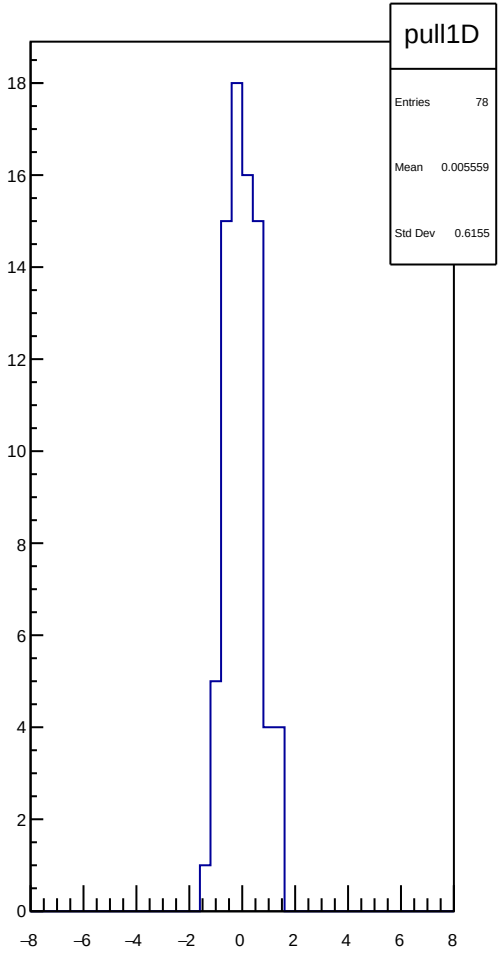

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 181 / 77
p0 −175.8 ± 0.2402
pull
Entries 78
Mean −494.6
Std Dev 530.5

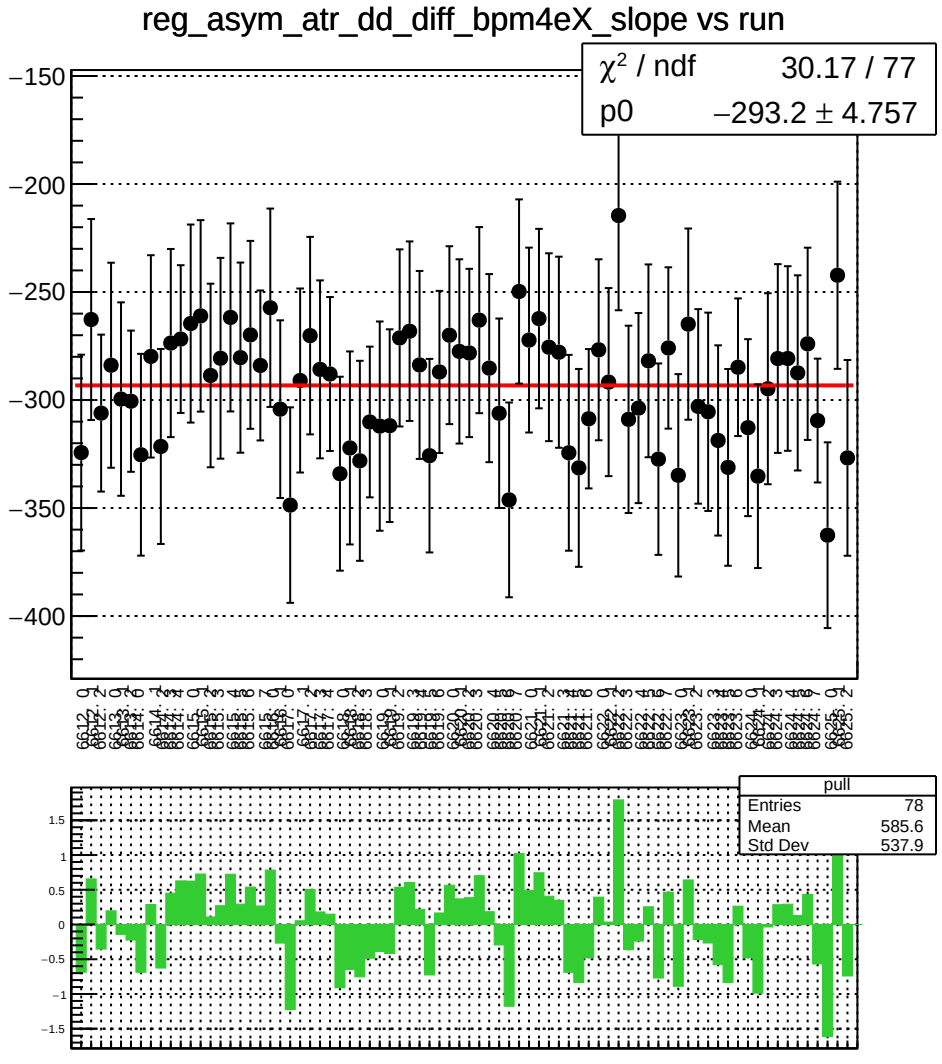

pull1D
Entries 78
Mean −0.03139
Std Dev 1.523

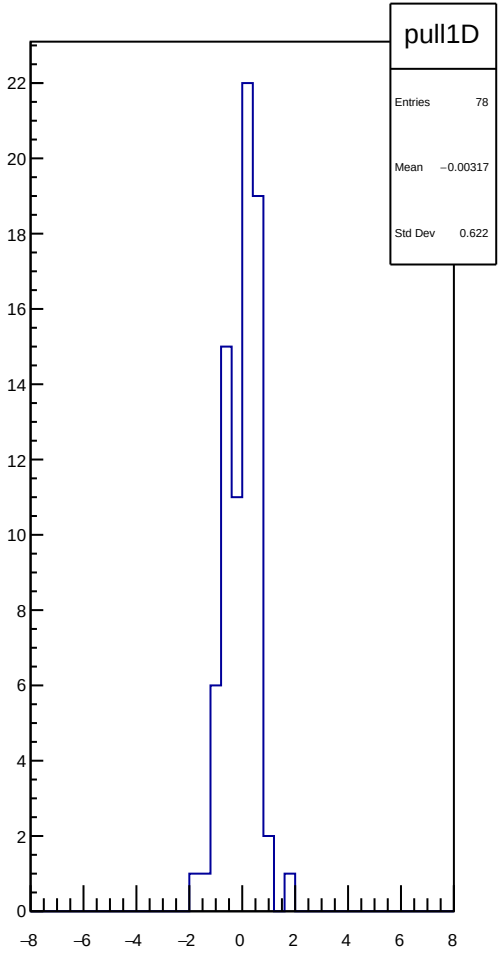

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 31.84 / 77
p0 190.4 ± 4.461
300
250
200
150
100
pull
Entries 78
Mean 343.8
Std Dev 291.8
1.5
1
0.5
0
−0.5
−1
−1.5

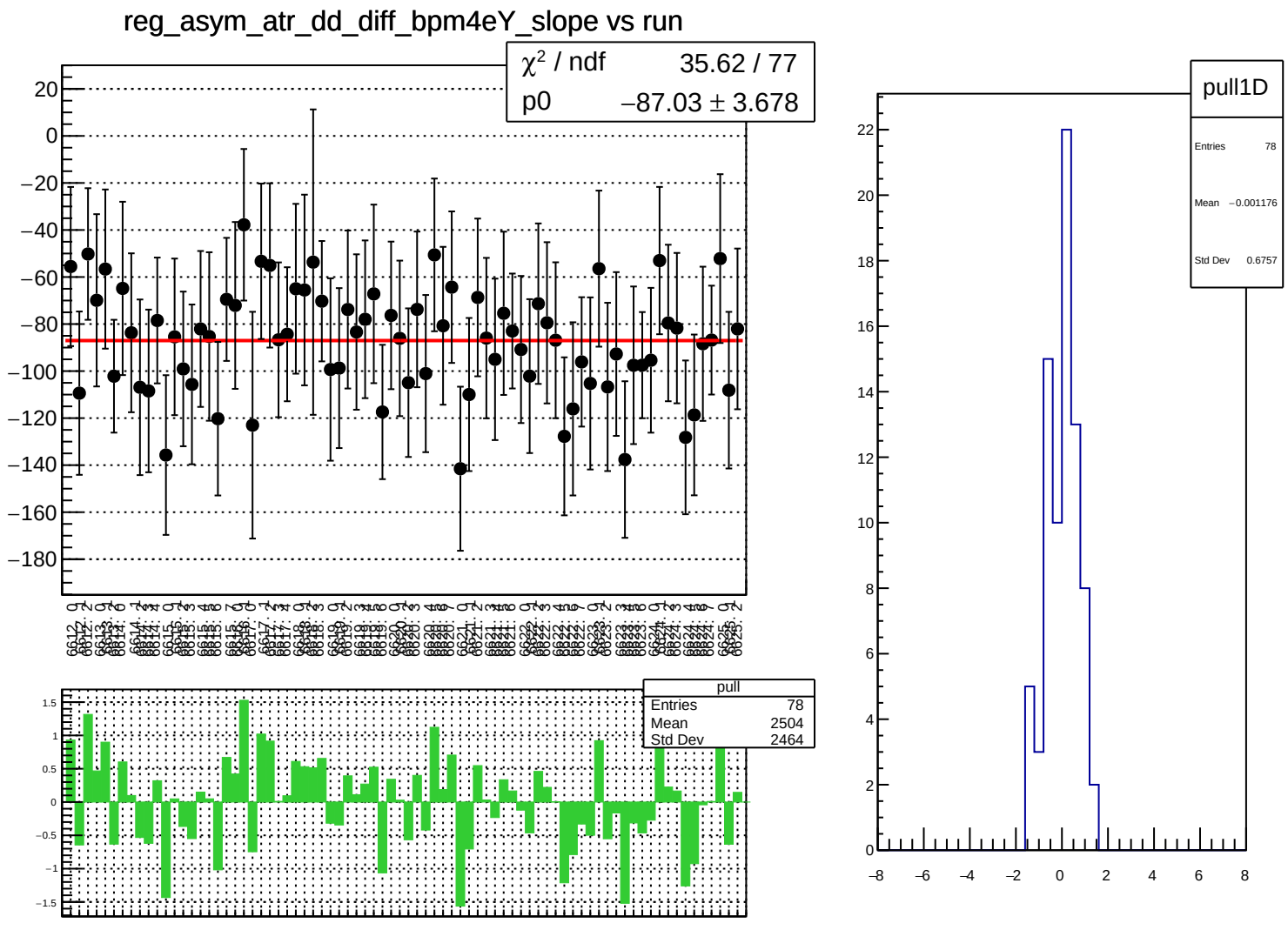

pull1D
Entries 78
Mean 0.003836
Std Dev 0.6389
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

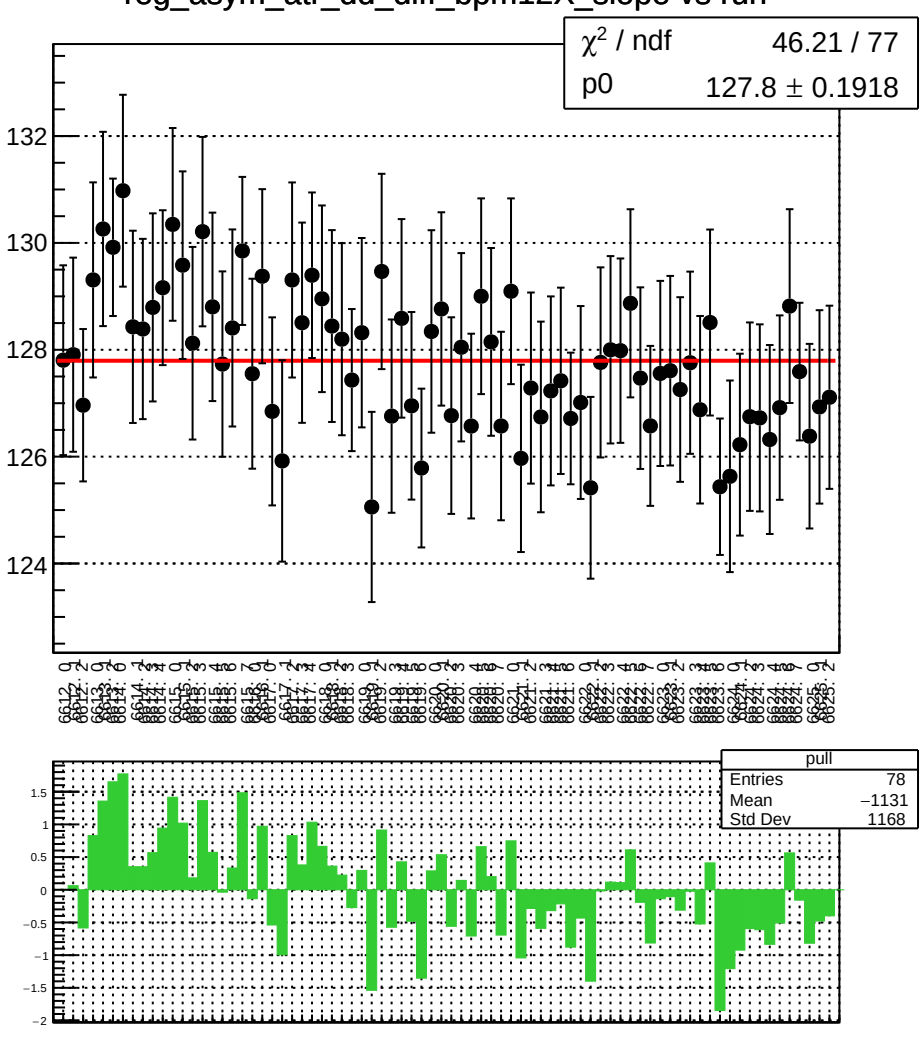

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 29.55 / 77
p0 7.604 ± 3.063
pull
Entries 78
Mean 523.3
Std Dev 483.8

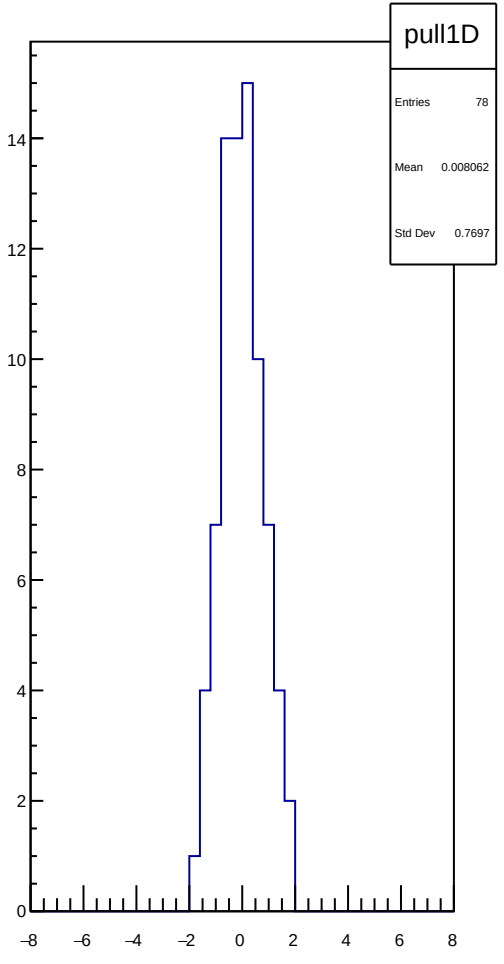

pull1D
Entries 78
Mean 0.005559
Std Dev 0.6155

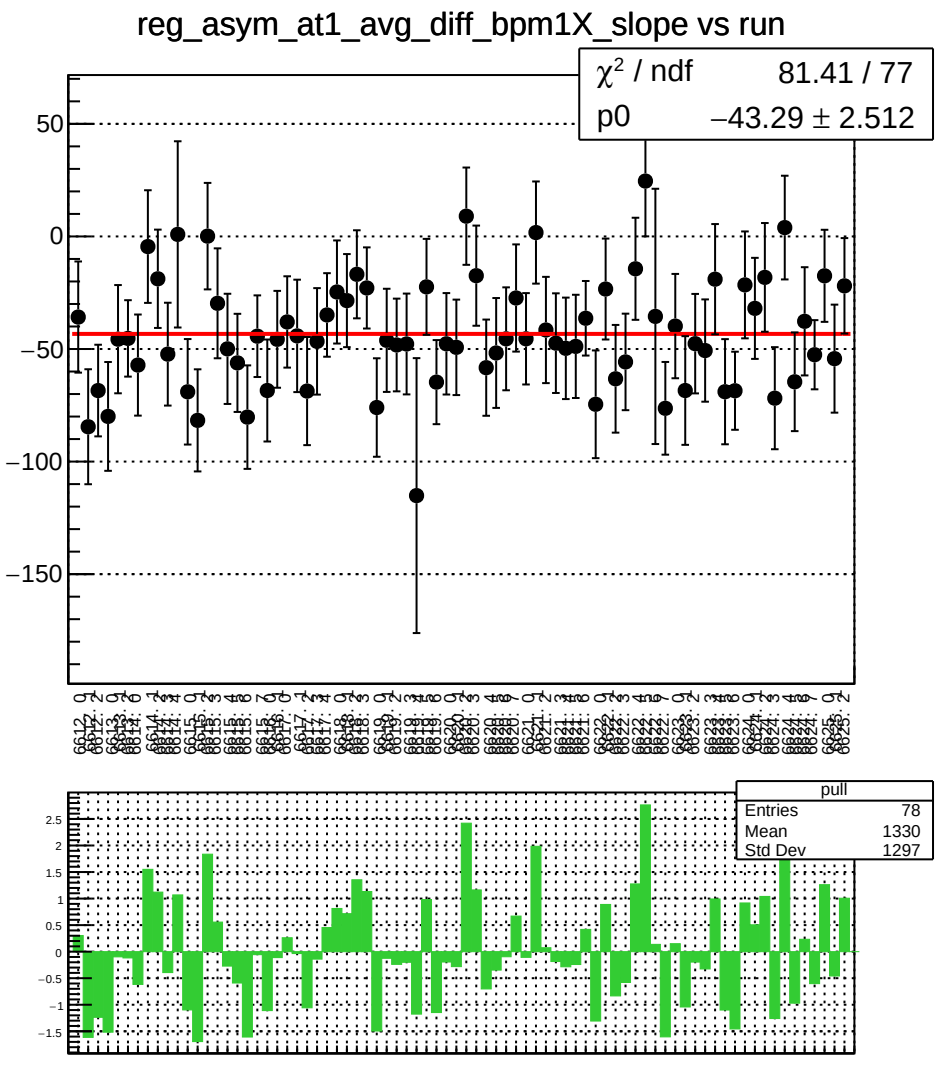

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 30.17 / 77
p0 −293.2 ± 4.757
pull
Entries 78
Mean 585.6
Std Dev 537.9

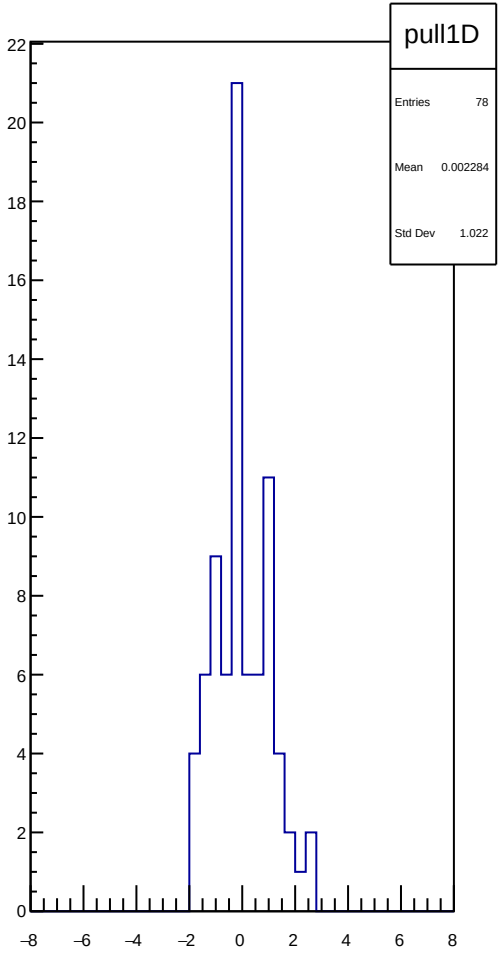

pull1D
Entries 78
Mean −0.00317
Std Dev 0.622

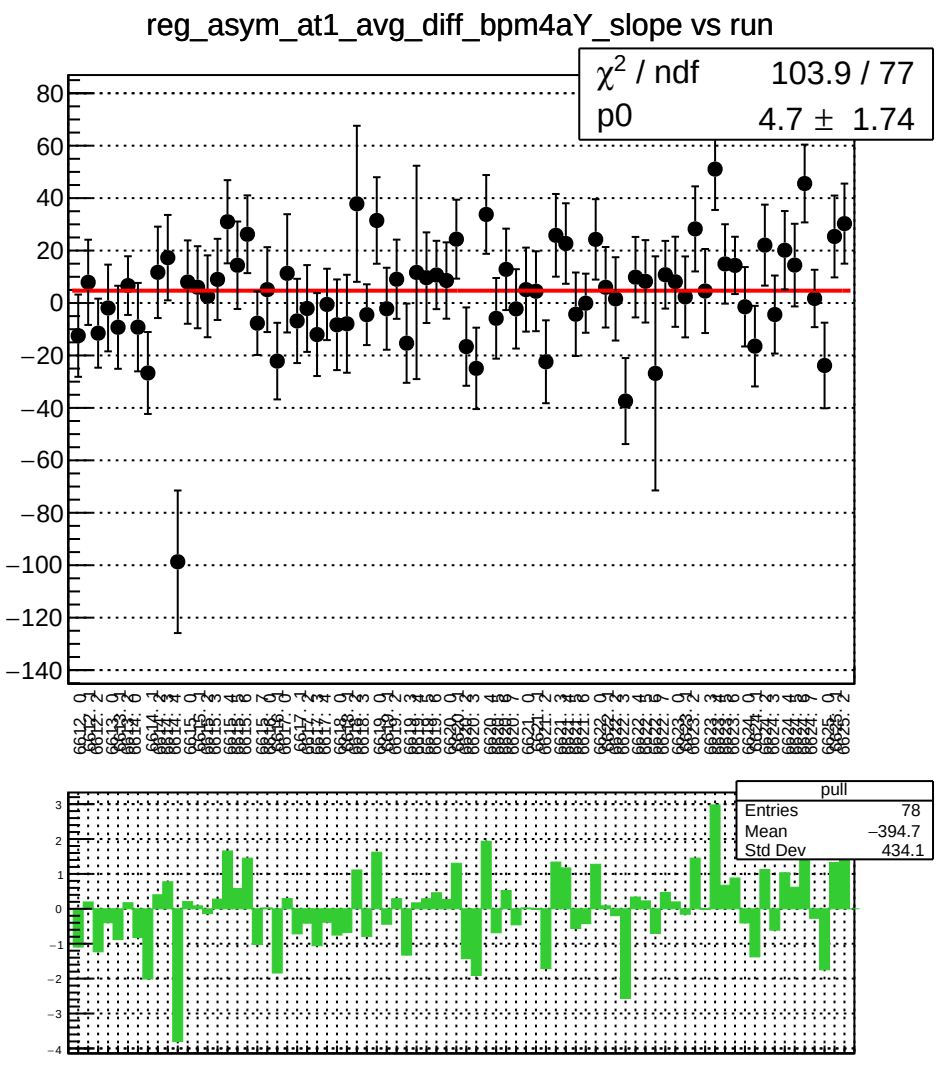

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 35.62 / 77
p0 −87.03 ± 3.678
pull
Entries 78
Mean 2504
Std Dev 2464
pull1D
Entries 78
Mean −0.001176
Std Dev 0.6757

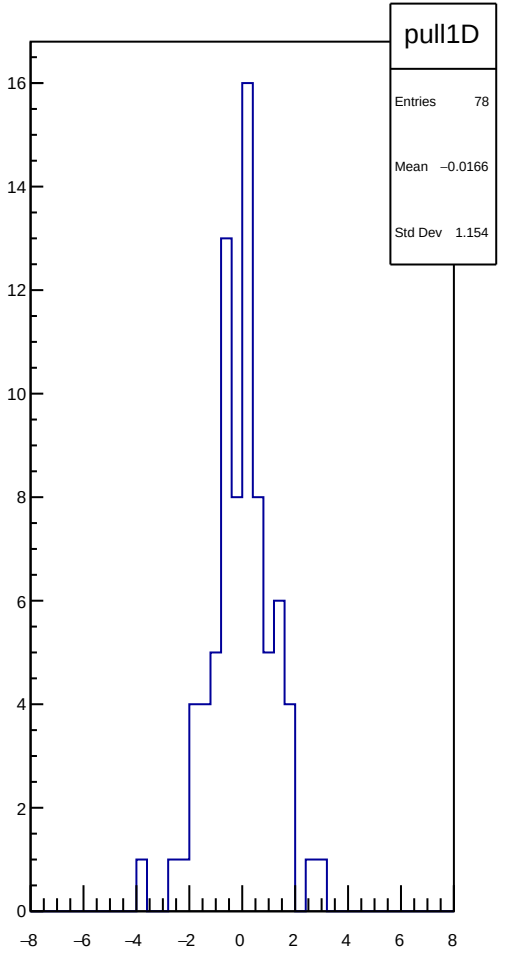

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 46.21 / 77
p0 127.8 ± 0.1918
pull
Entries 78
Mean −1131
Std Dev 1168

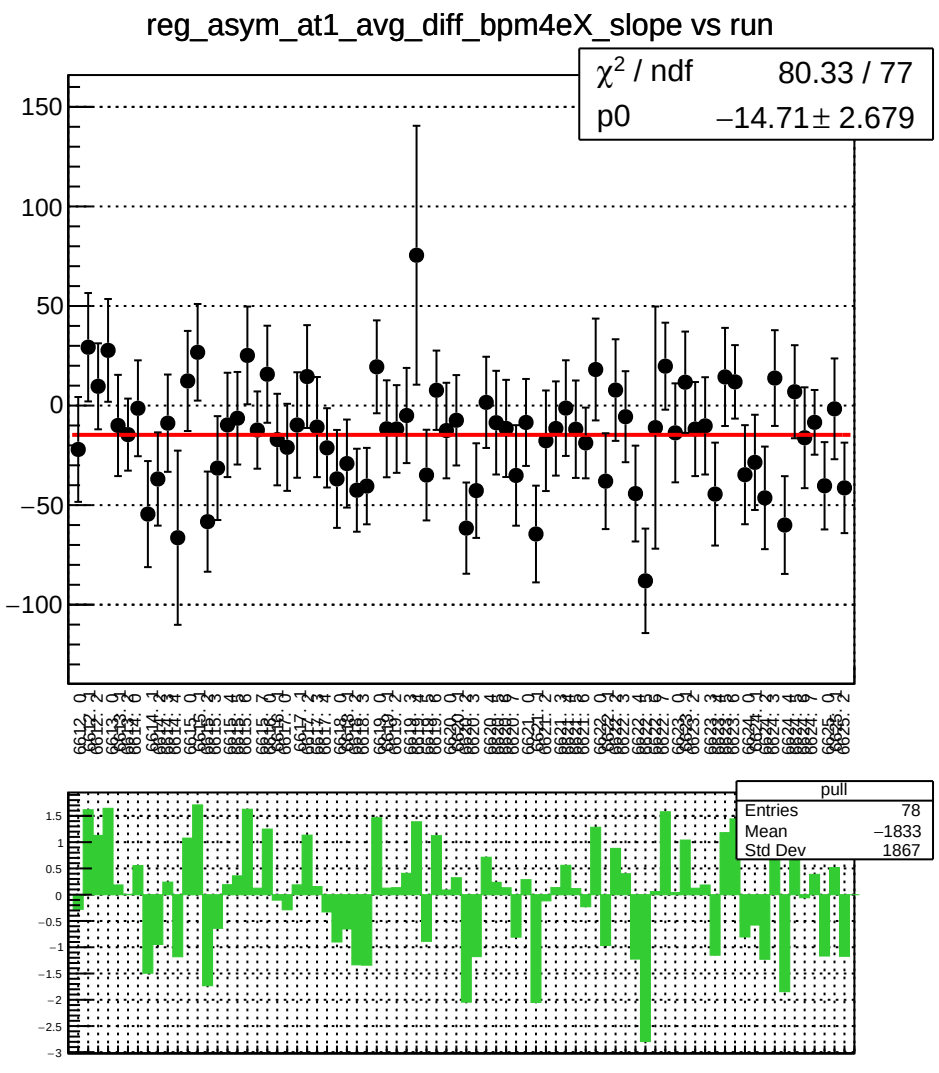

pull1D
Entries 78
Mean 0.008062
Std Dev 0.7697

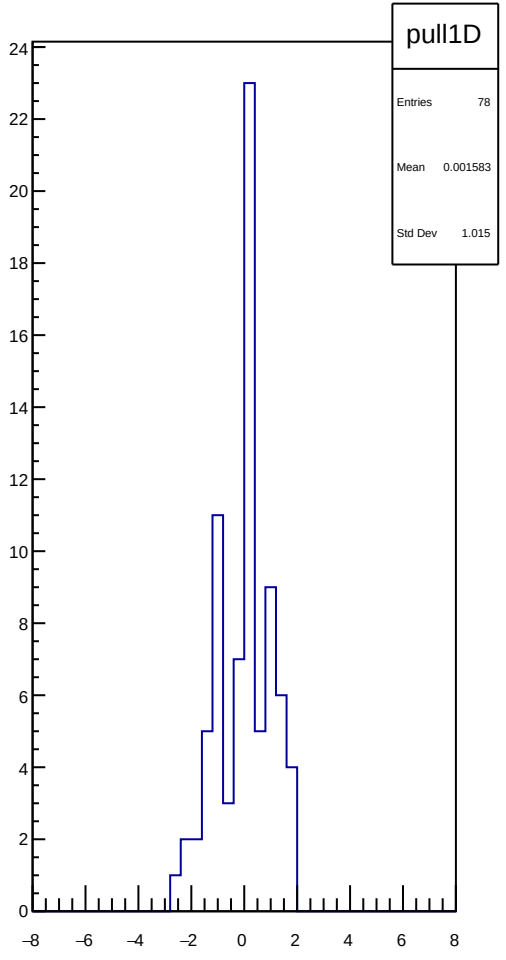

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 81.41 / 77
p0 −43.29 ± 2.512
50
0
−50
−100
−150
pull
Entries 78
Mean 1330
Std Dev 1297
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

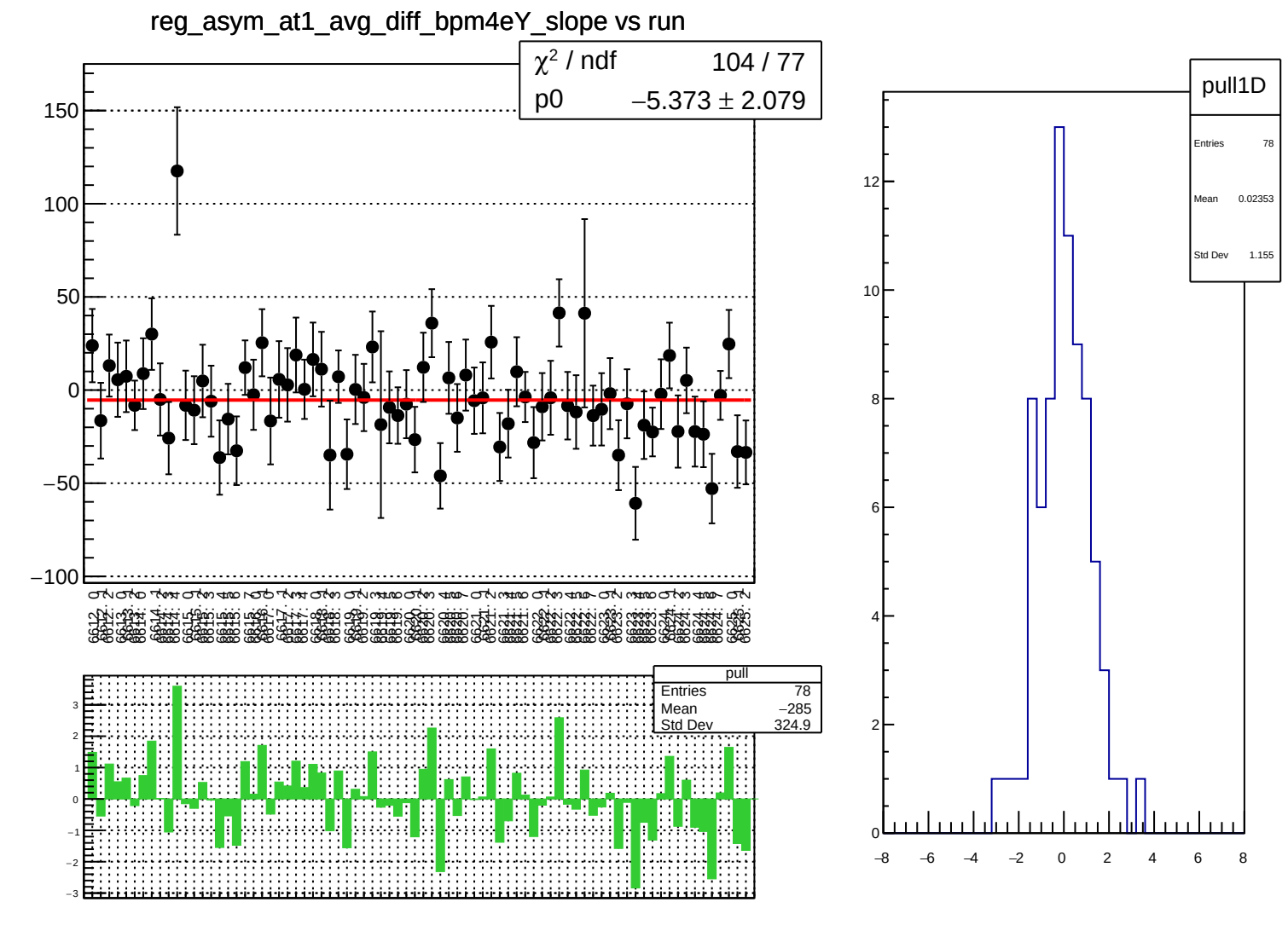

pull1D
Entries 78
Mean 0.002284
Std Dev 1.022
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

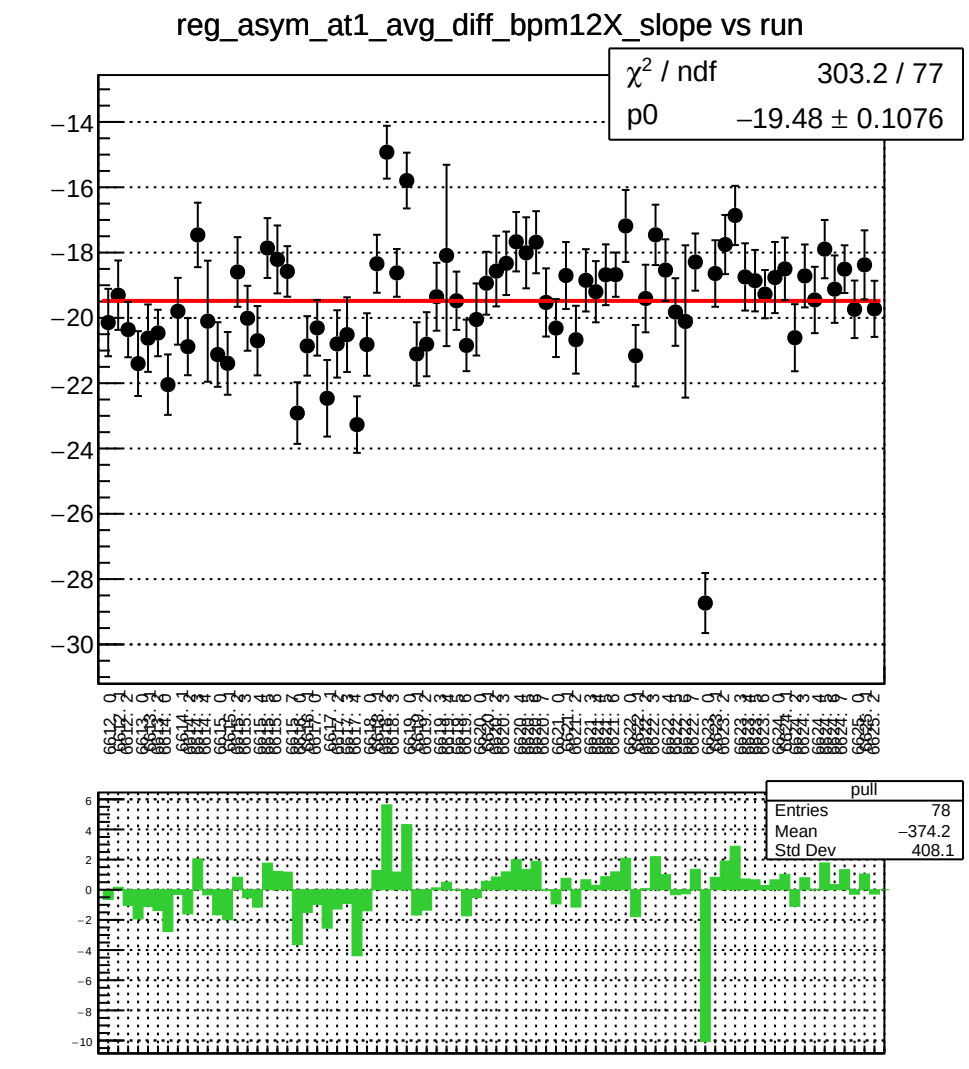

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 103.9 / 77
p0 4.7 ± 1.74
pull
Entries 78
Mean −394.7
Std Dev 434.1

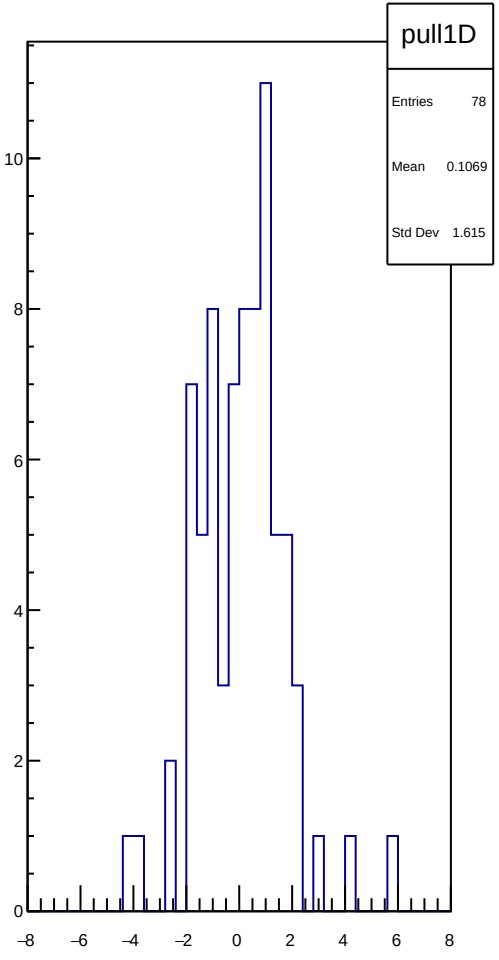

pull1D
Entries 78
Mean −0.0166
Std Dev 1.154

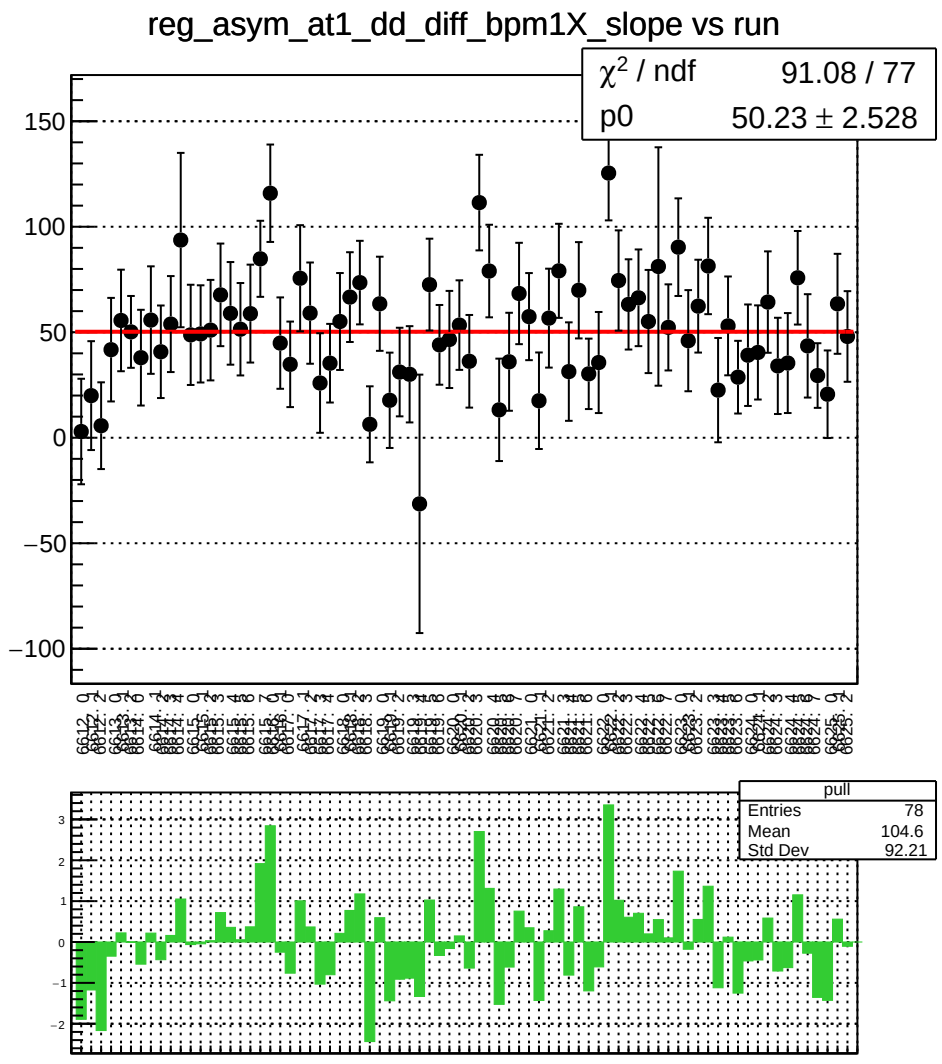

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 80.33 / 77
p0 −14.71 ± 2.679
150
100
50
0
−50
−100
pull
Entries 78
Mean −1833
Std Dev 1867
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

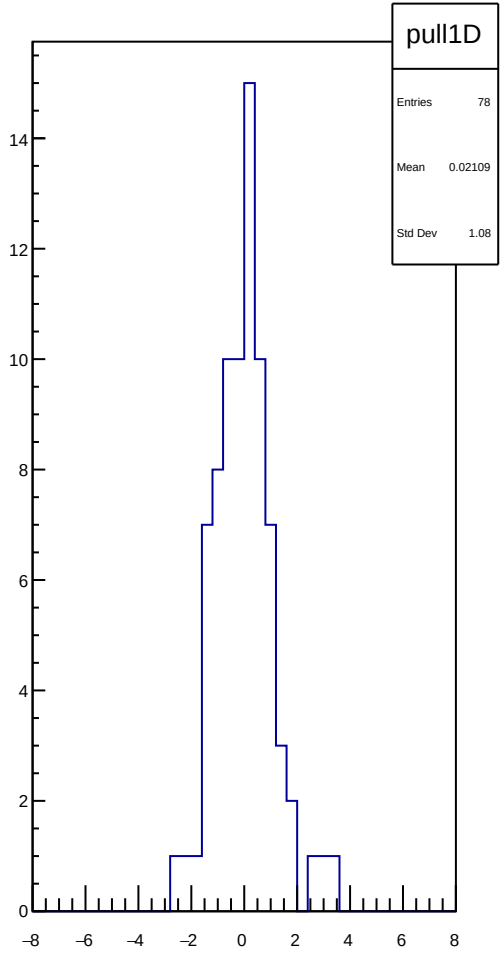

pull1D
Entries 78
Mean 0.001583
Std Dev 1.015
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

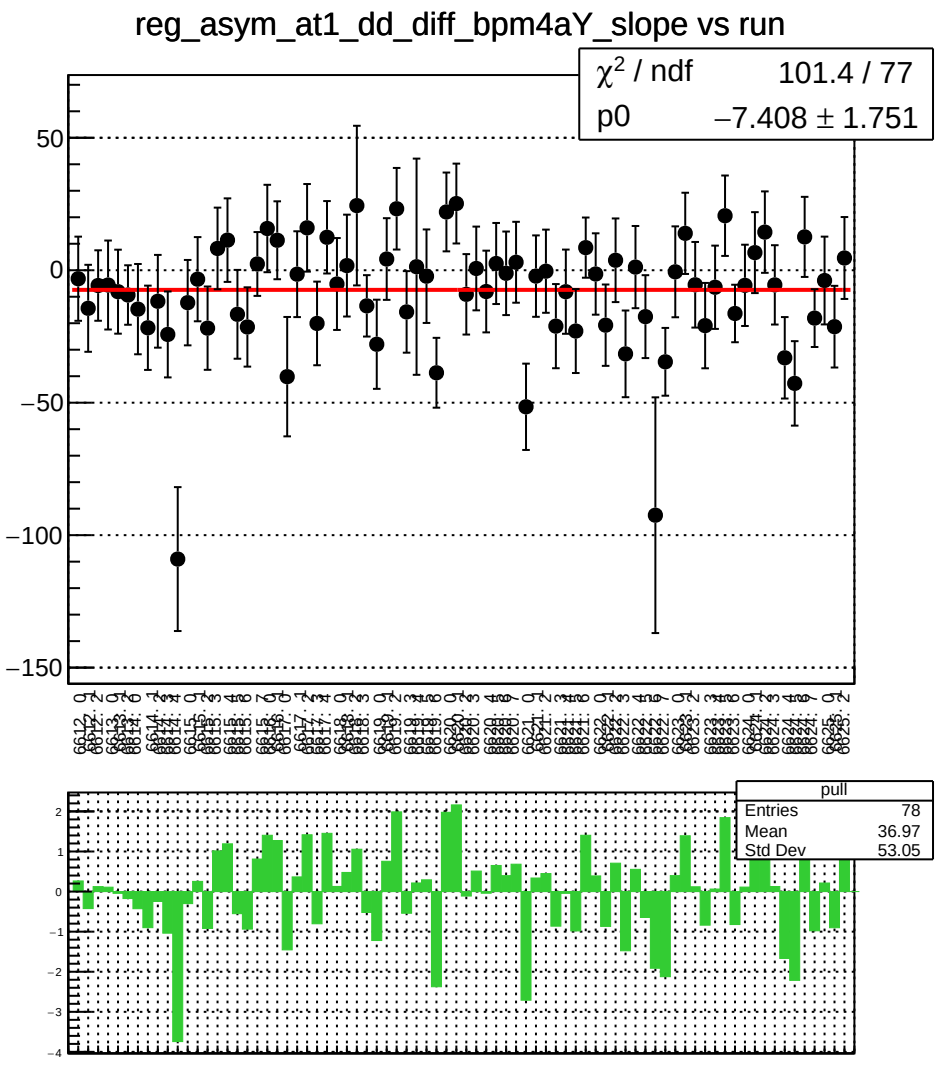

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 104 / 77
p0 −5.373 ± 2.079
150
100
50
0
−50
−100
pull
Entries 78
Mean −285
Std Dev 324.9
3
2
1
0
−1
−2
−3
pull1D
Entries 78
Mean 0.02353
Std Dev 1.155
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

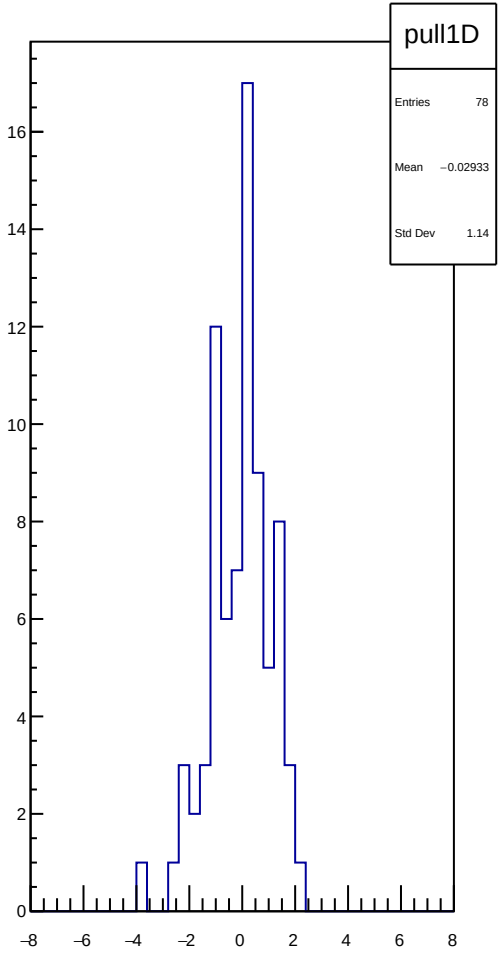

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 303.2 / 77
p0 −19.48 ± 0.1076
pull
Entries 78
Mean −374.2
Std Dev 408.1

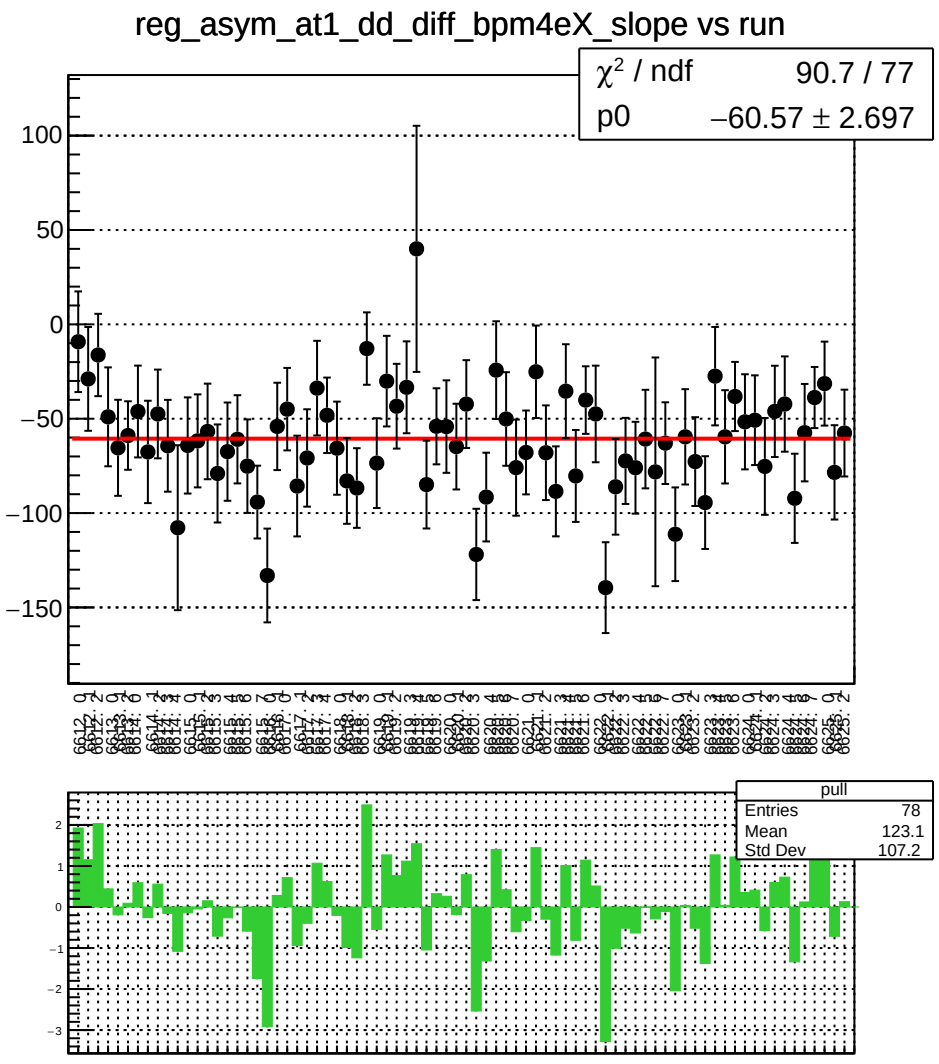

pull1D
Entries 78
Mean 0.1069
Std Dev 1.615

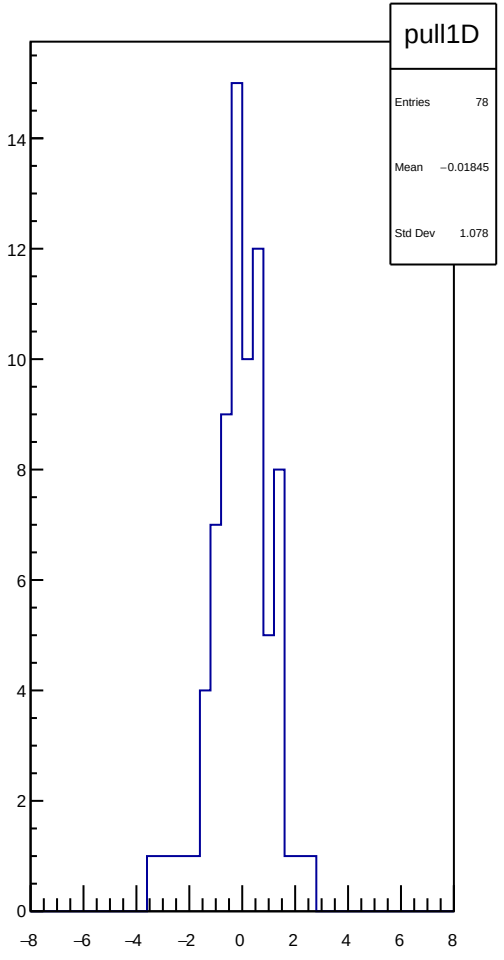

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ^2 / ndf 91.08 / 77
p0 50.23 ± 2.528
150
100
50
0
−50
−100
pull
Entries 78
Mean 104.6
Std Dev 92.21
3
2
1
0
−1
−2

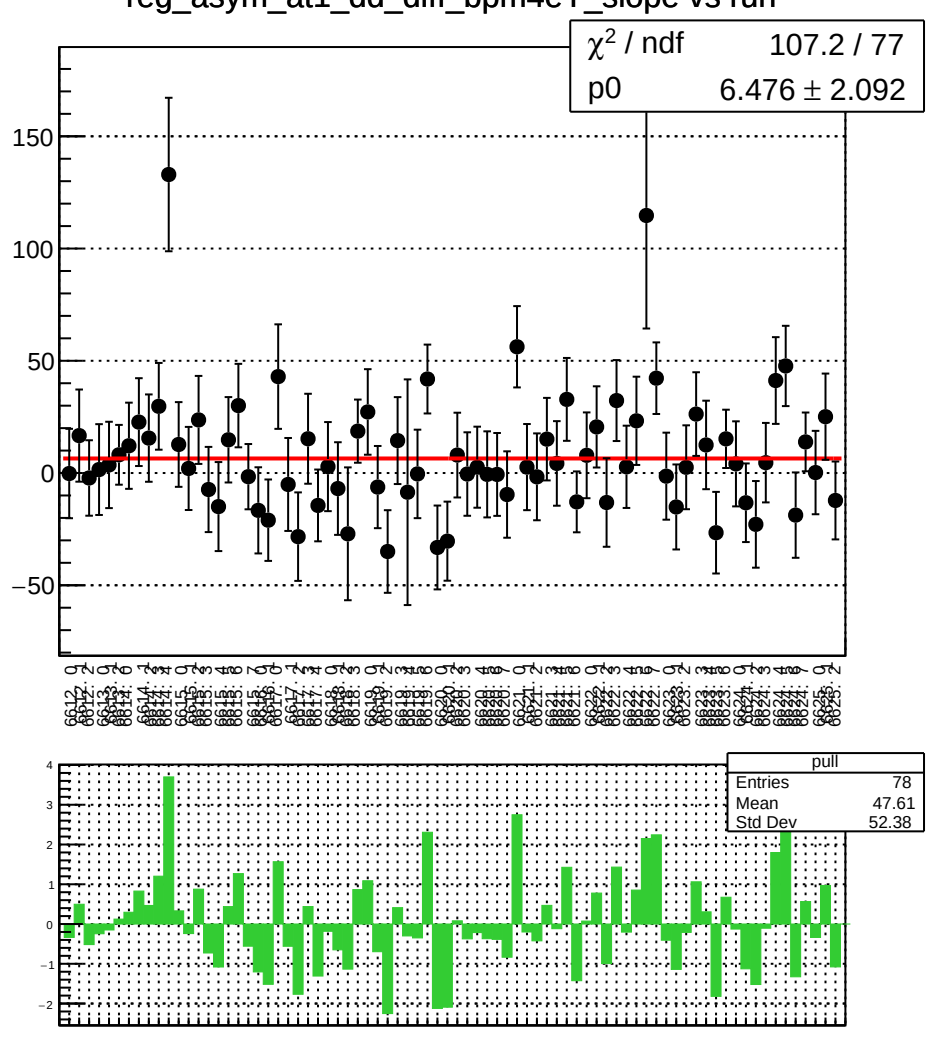

pull1D
Entries 78
Mean 0.02109
Std Dev 1.08
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

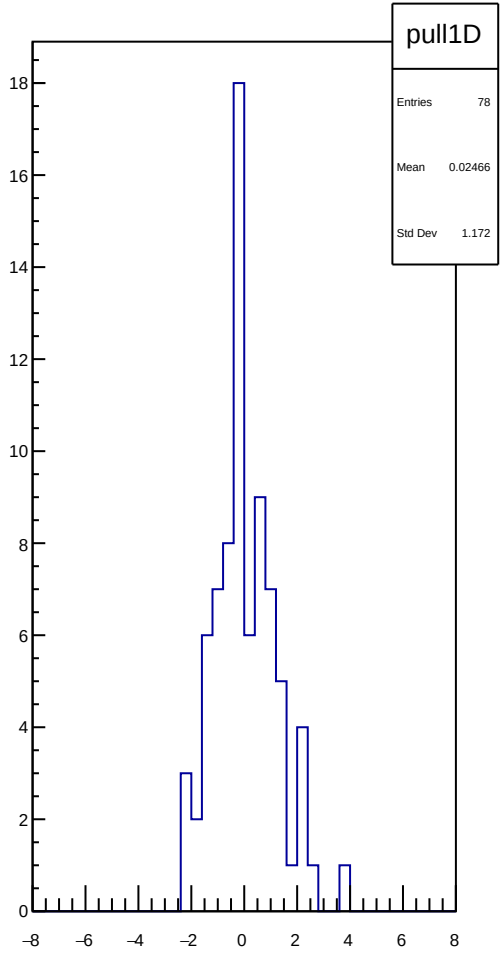

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 101.4 / 77
p0 −7.408 ± 1.751
pull
Entries 78
Mean 36.97
Std Dev 53.05

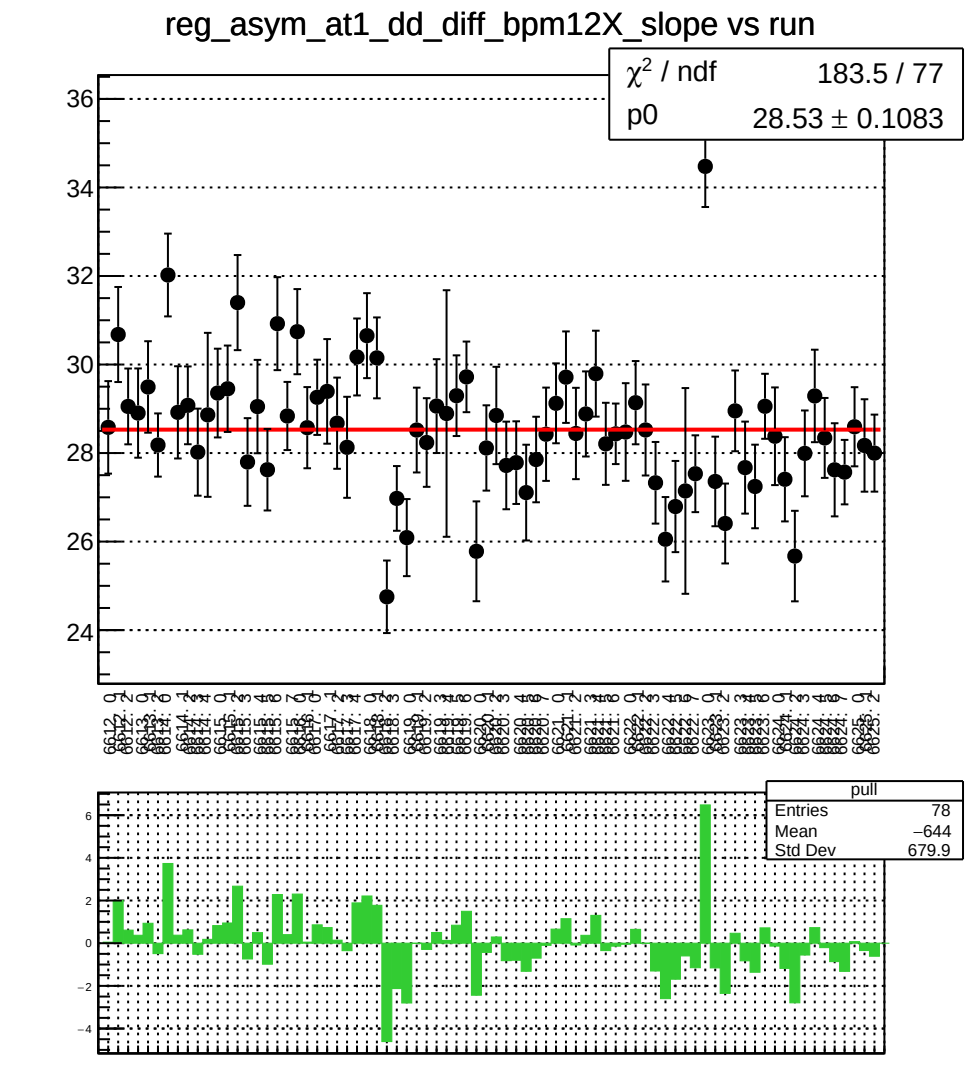

pull1D
Entries 78
Mean −0.02933
Std Dev 1.14

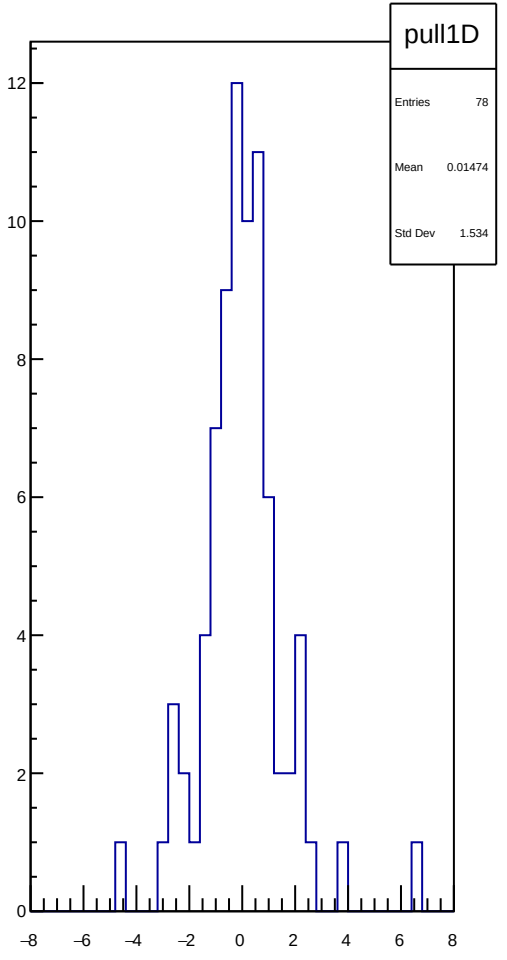

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 90.7 / 77
p0 −60.57 ± 2.697
100
50
0
−50
−100
−150
pull
Entries 78
Mean 123.1
Std Dev 107.2
2
1
0
−1
−2
−3

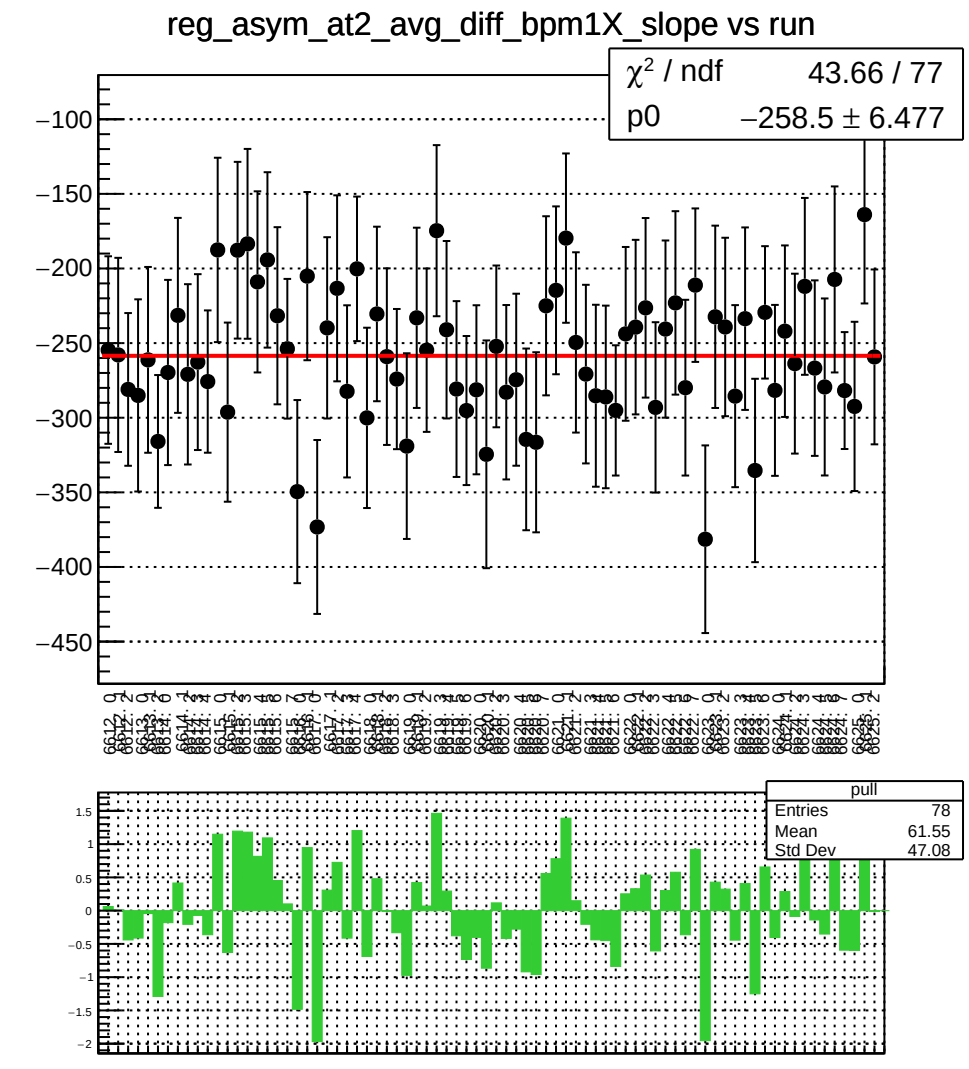

pull1D
Entries 78
Mean −0.01845
Std Dev 1.078
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

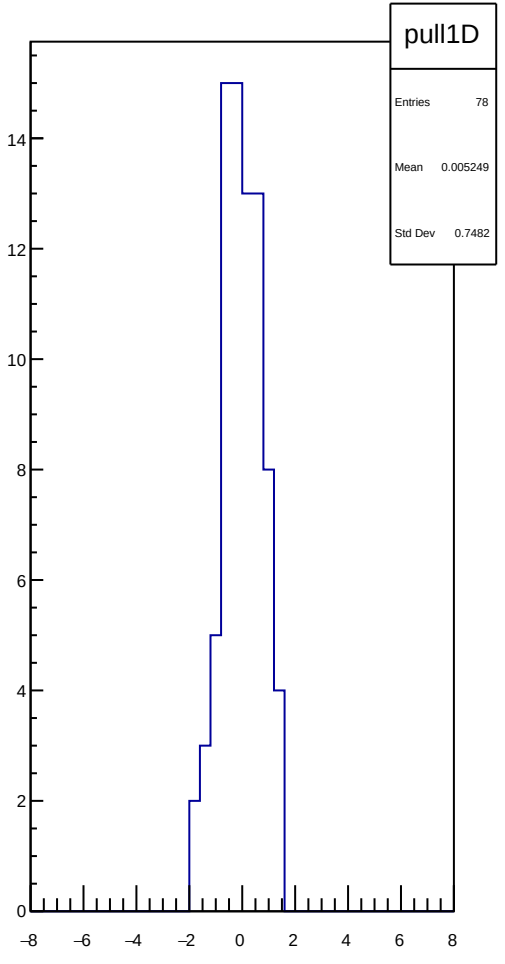

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 107.2 / 77
p0 6.476 ± 2.092
150
100
50
0
−50
pull
Entries 78
Mean 47.61
Std Dev 52.38
4
3
2
1
0
−1
−2

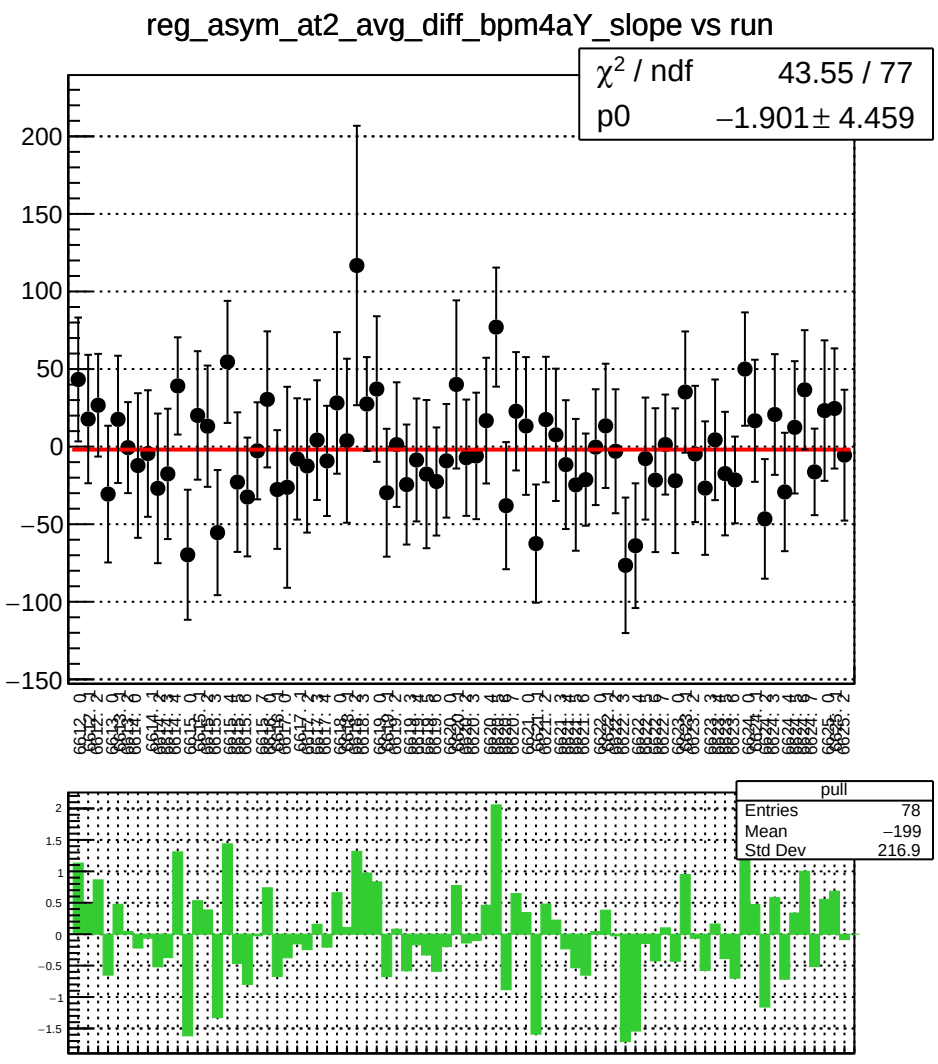

pull1D
Entries 78
Mean 0.02466
Std Dev 1.172
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

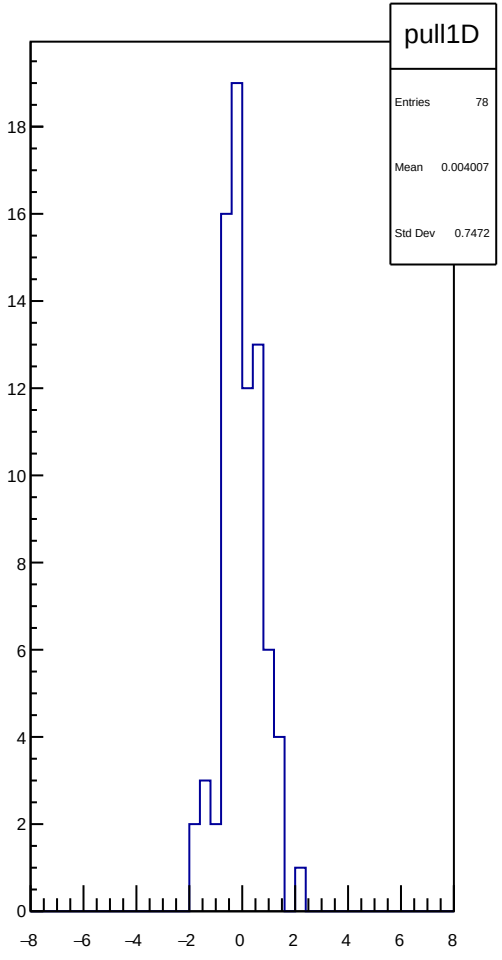

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 183.5 / 77
p0 28.53 ± 0.1083
pull
Entries 78
Mean −644
Std Dev 679.9

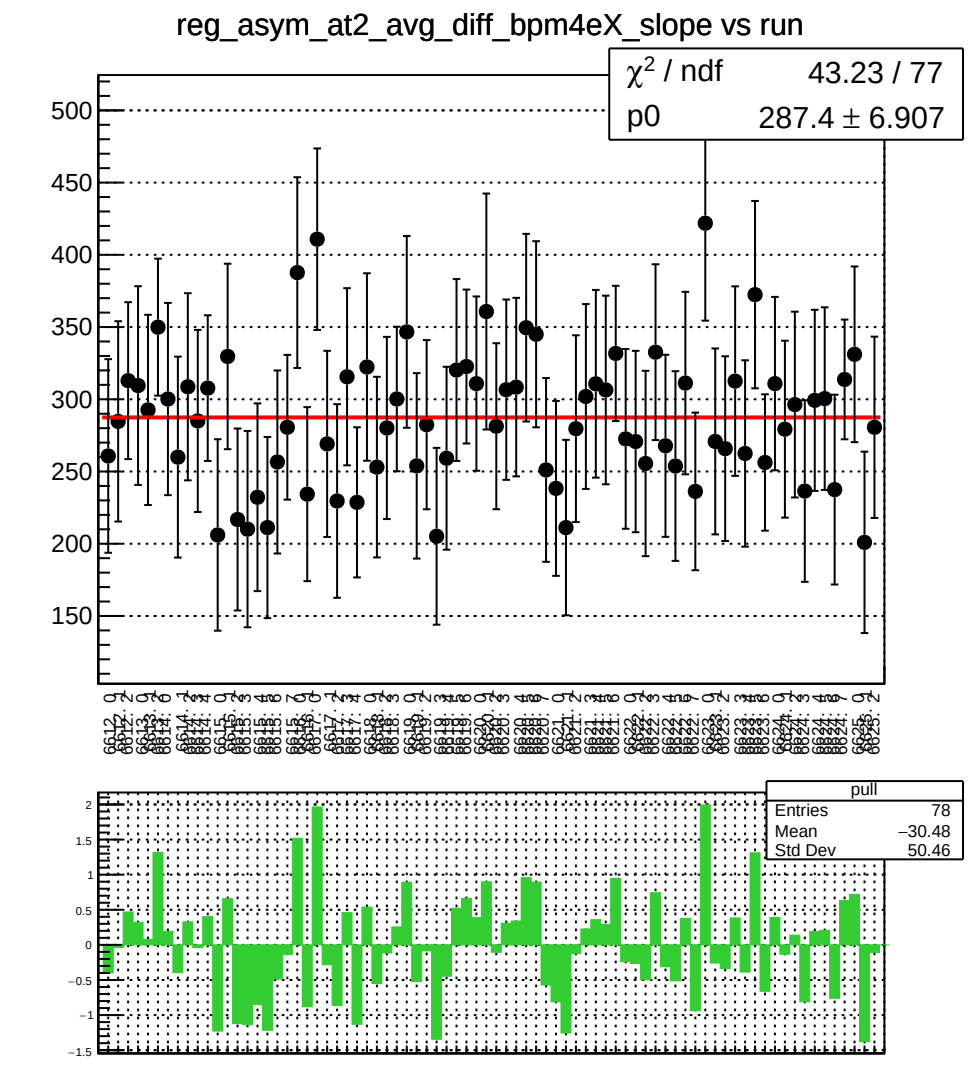

pull1D
Entries 78
Mean 0.01474
Std Dev 1.534

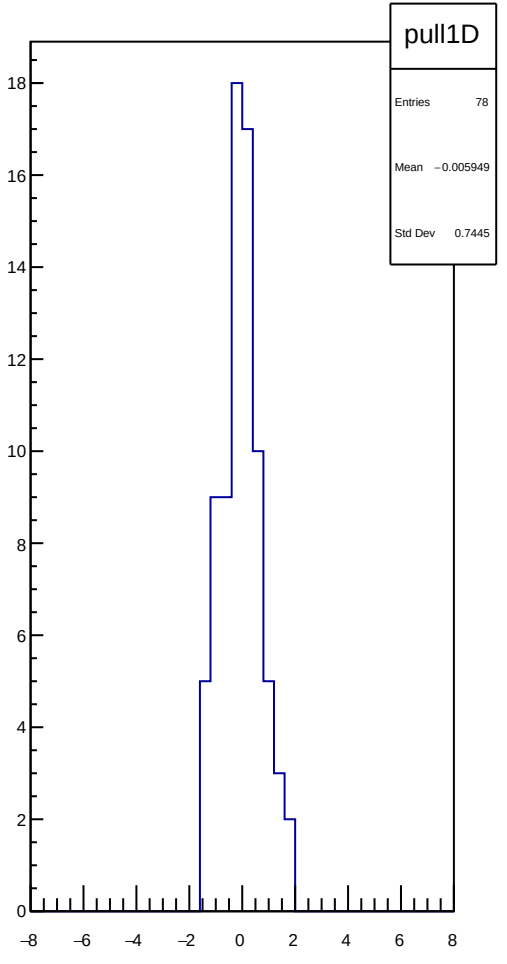

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 43.66 / 77
p0 −258.5 ± 6.477
pull
Entries 78
Mean 61.55
Std Dev 47.08

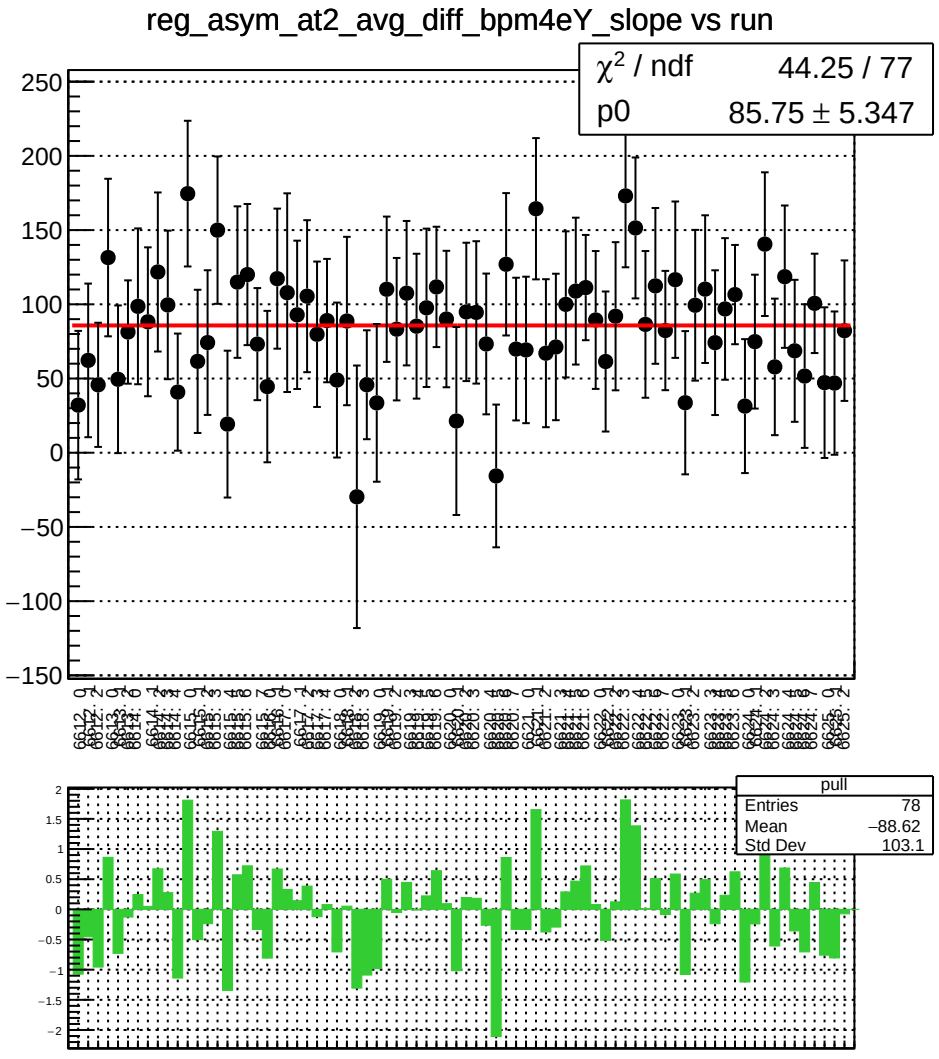

pull1D
Entries 78
Mean 0.005249
Std Dev 0.7482

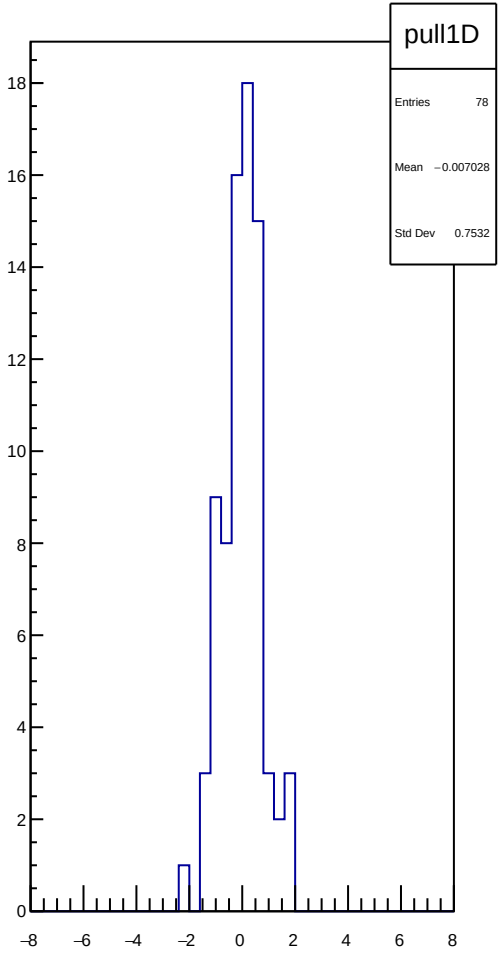

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 43.55 / 77
p0 −1.901 ± 4.459
pull
Entries 78
Mean −199
Std Dev 216.9

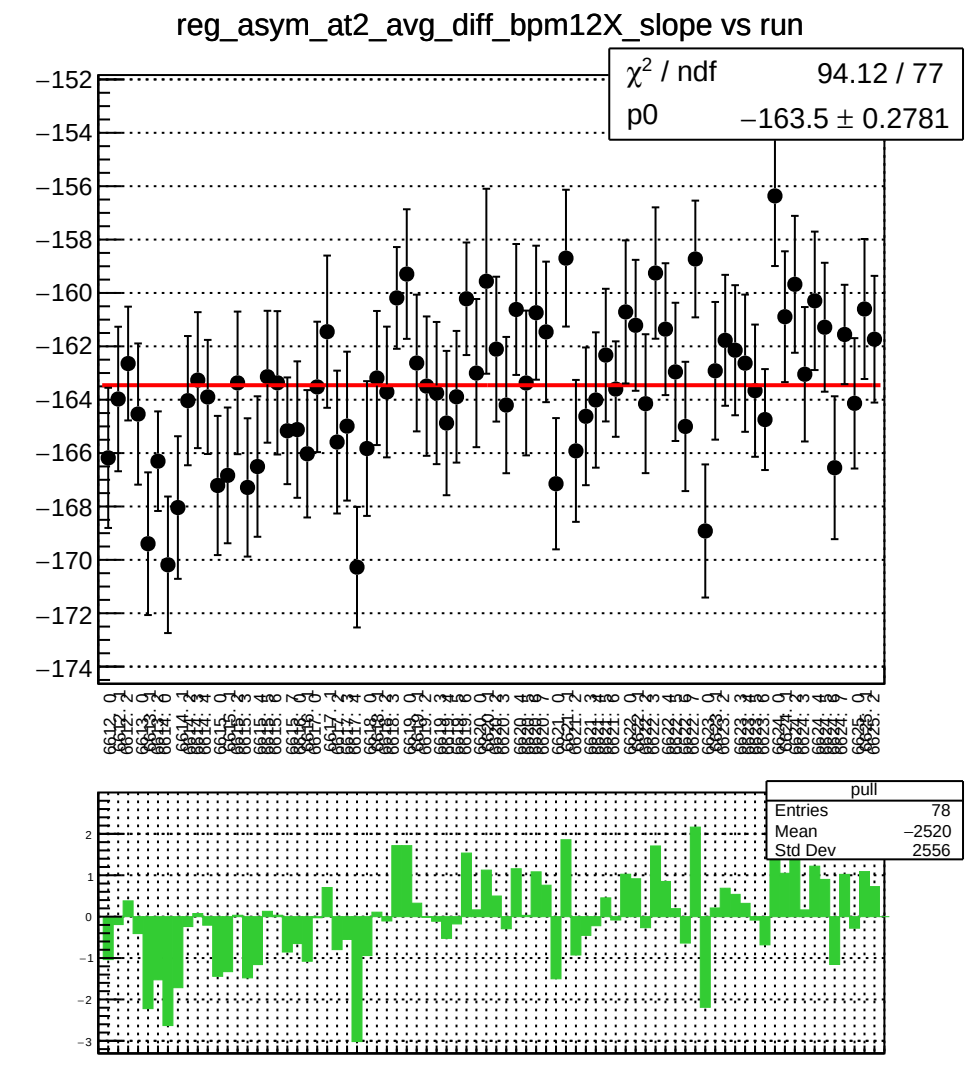

pull1D
Entries 78
Mean 0.004007
Std Dev 0.7472

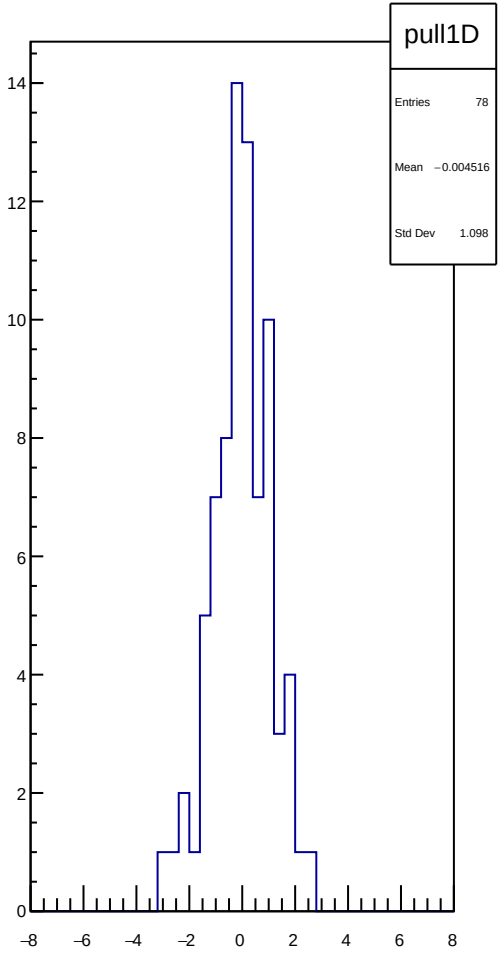

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 43.23 / 77
p0 287.4 ± 6.907
pull
Entries 78
Mean −30.48
Std Dev 50.46

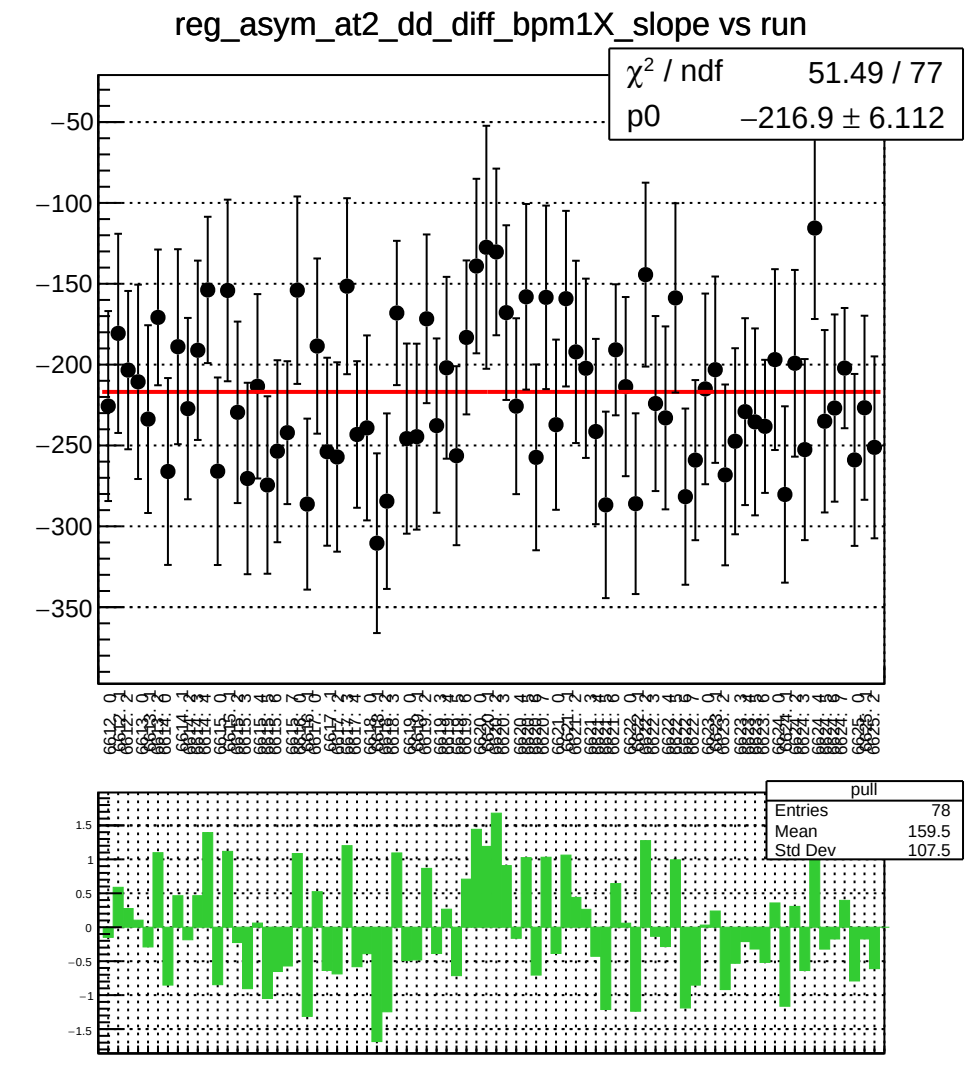

pull1D
Entries 78
Mean −0.005949
Std Dev 0.7445

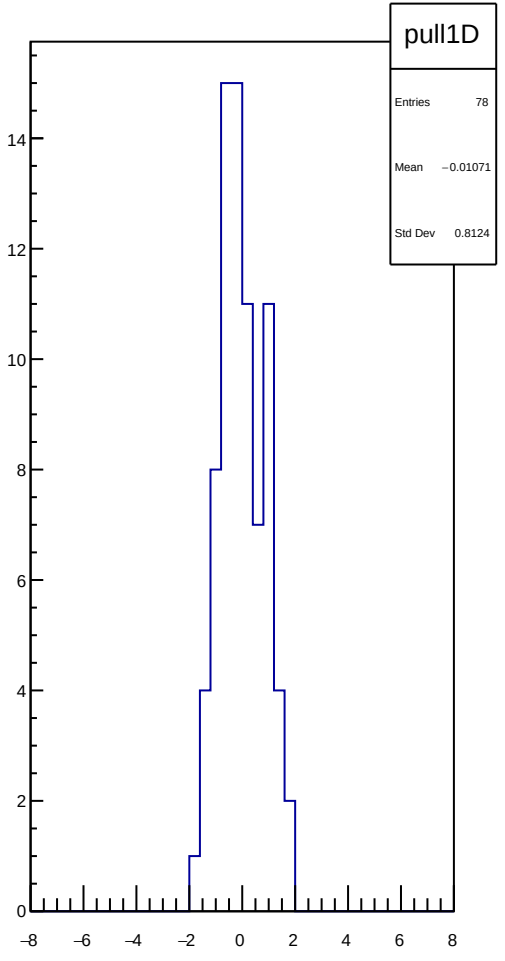

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 44.25 / 77
p0 85.75 ± 5.347
pull
Entries 78
Mean −88.62
Std Dev 103.1

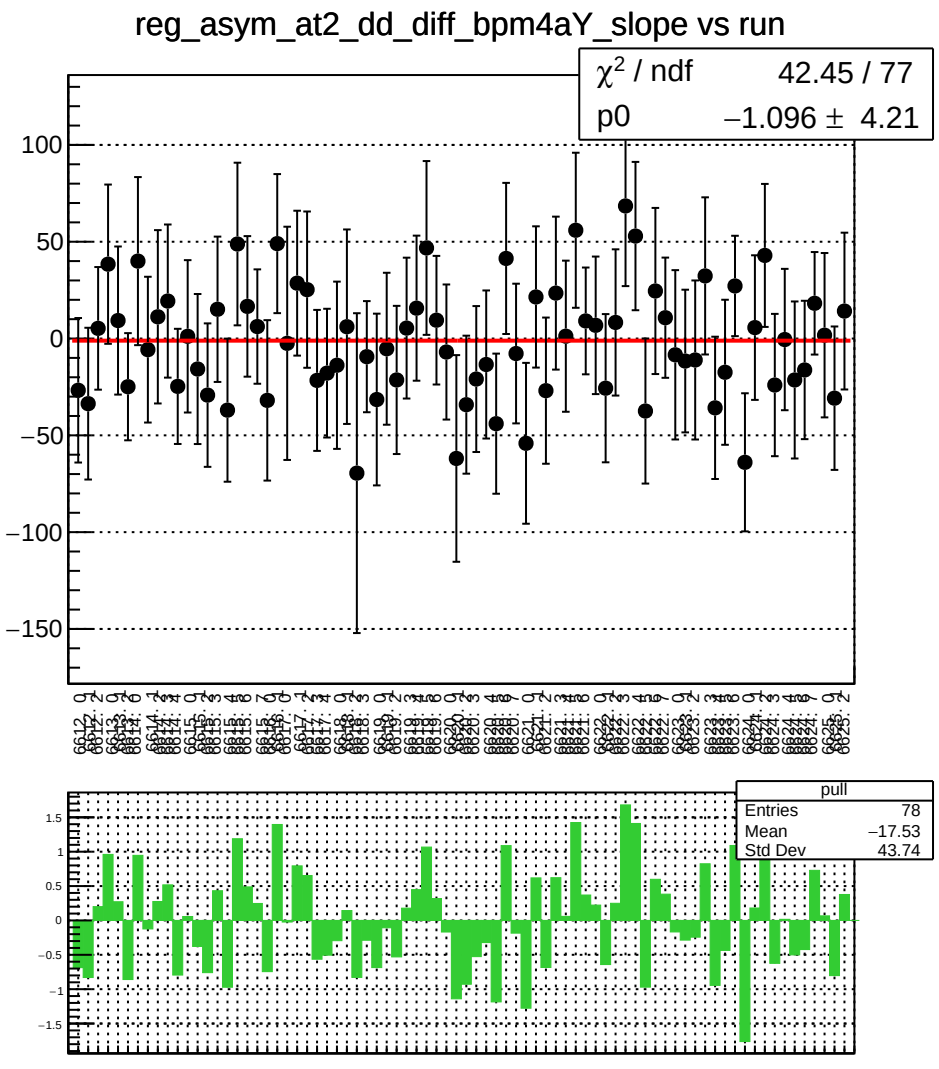

pull1D
Entries 78
Mean −0.007028
Std Dev 0.7532

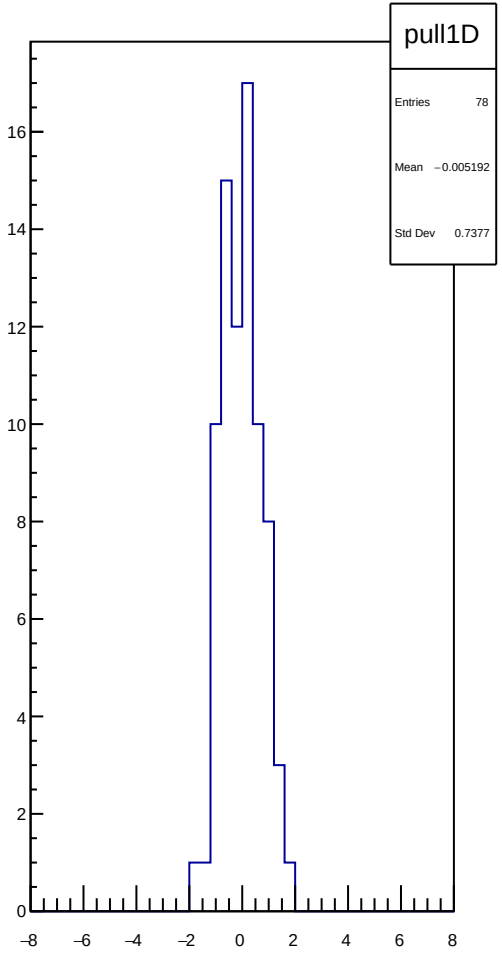

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 94.12 / 77
p0 −163.5 ± 0.2781
pull
Entries 78
Mean −2520
Std Dev 2556

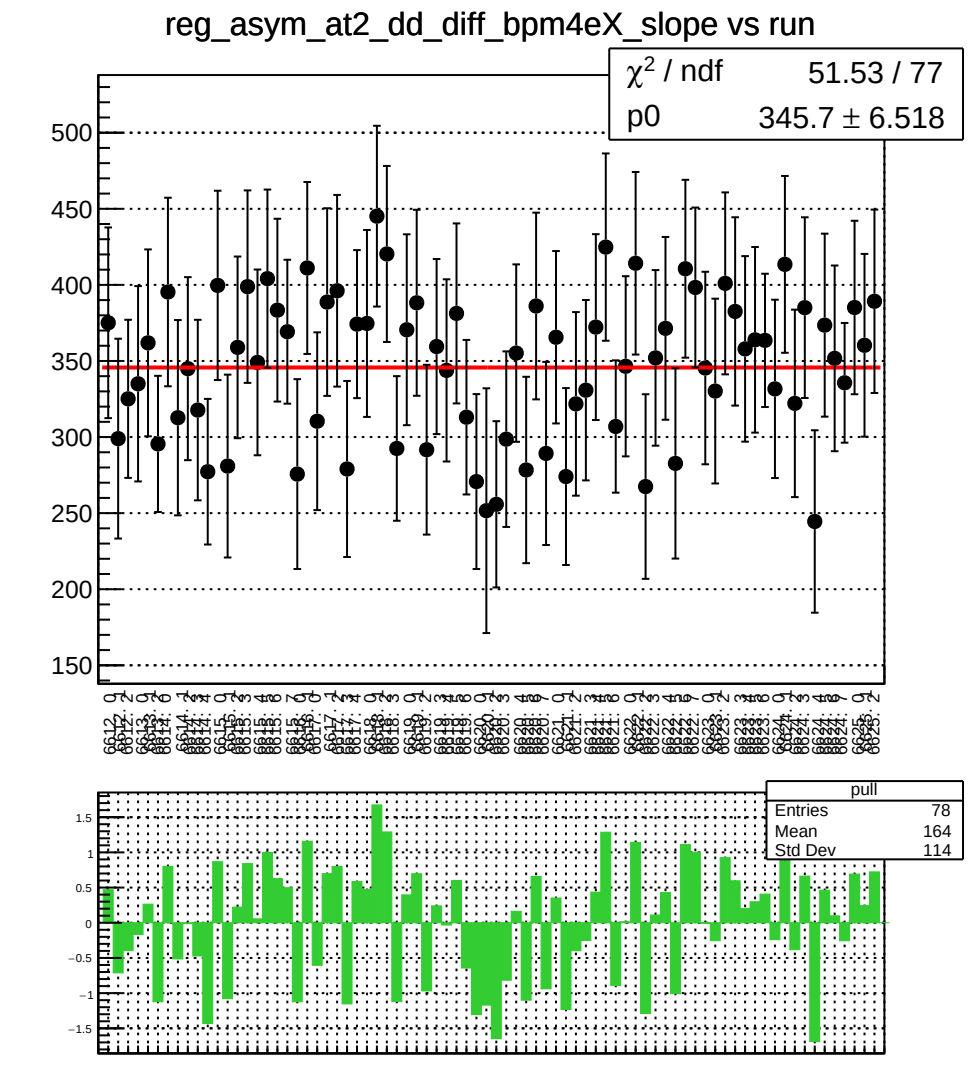

pull1D
Entries 78
Mean −0.004516
Std Dev 1.098

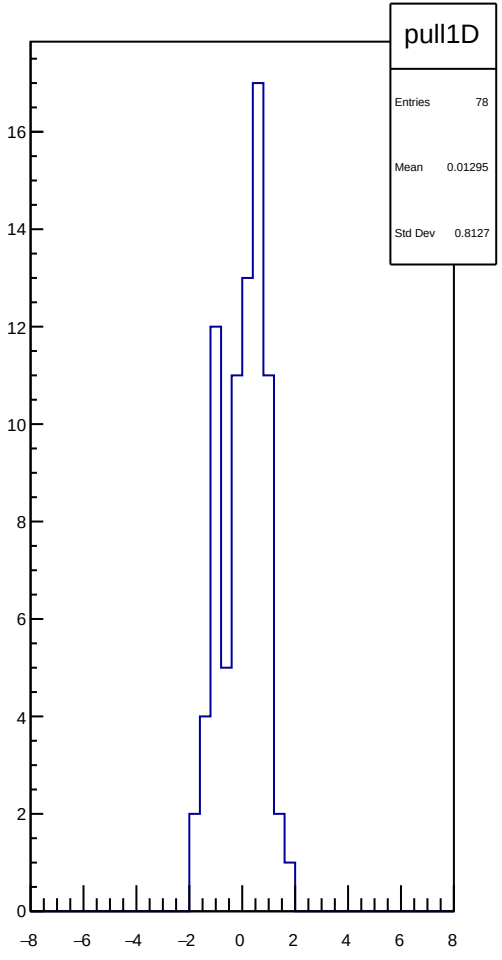

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 51.49 / 77
p0 −216.9 ± 6.112
pull
Entries 78
Mean 159.5
Std Dev 107.5

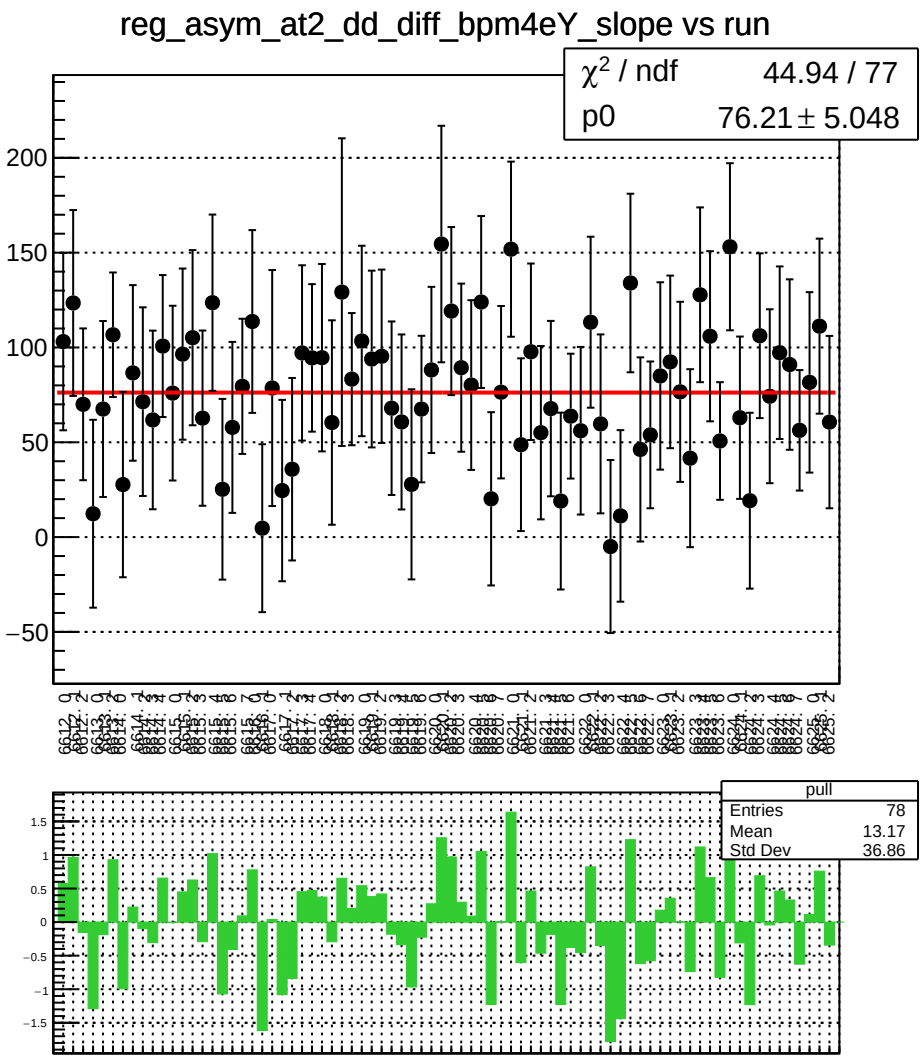

pull1D
Entries 78
Mean −0.01071
Std Dev 0.8124

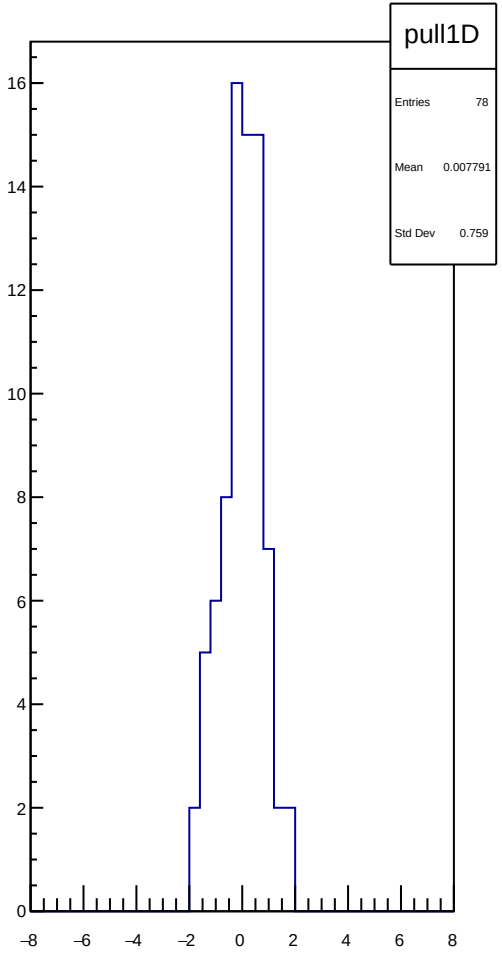

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 42.45 / 77
p0 −1.096 ± 4.21
pull
Entries 78
Mean −17.53
Std Dev 43.74

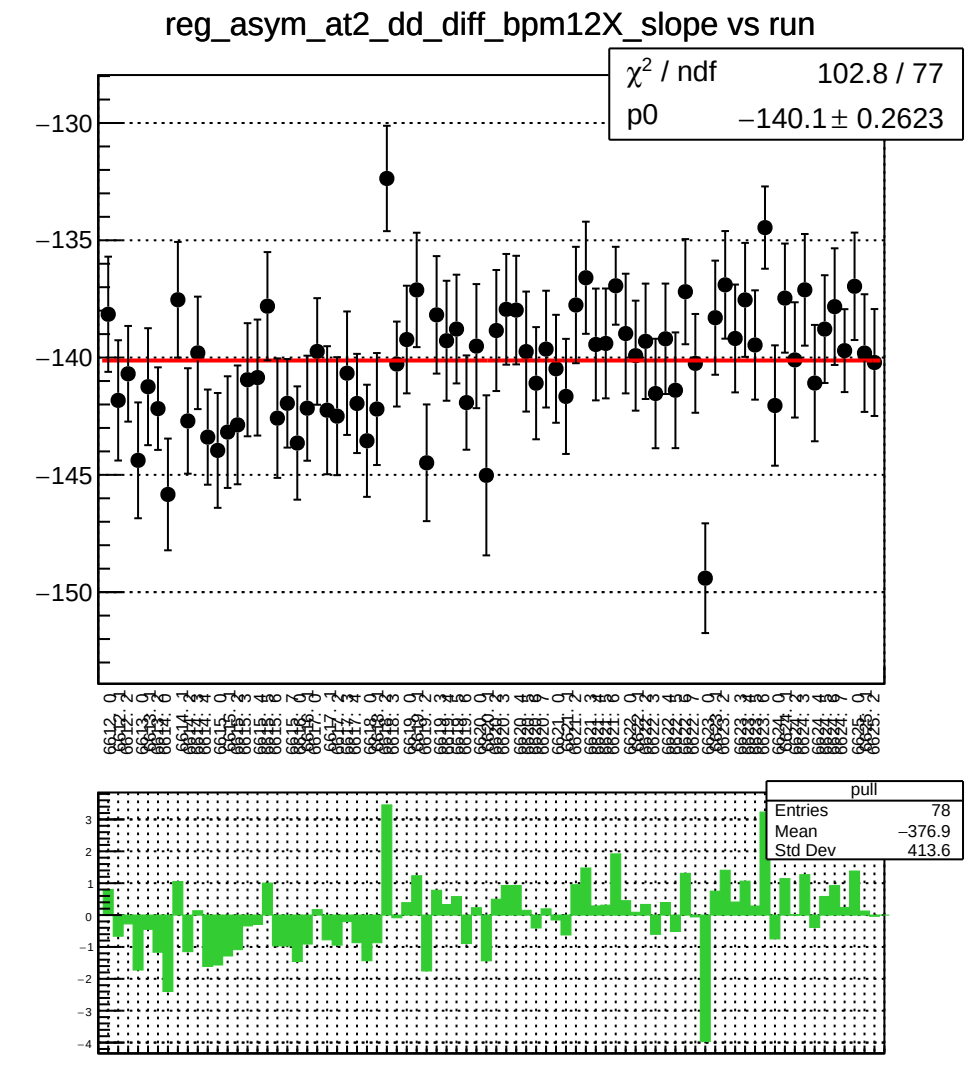

pull1D
Entries 78
Mean −0.005192
Std Dev 0.7377

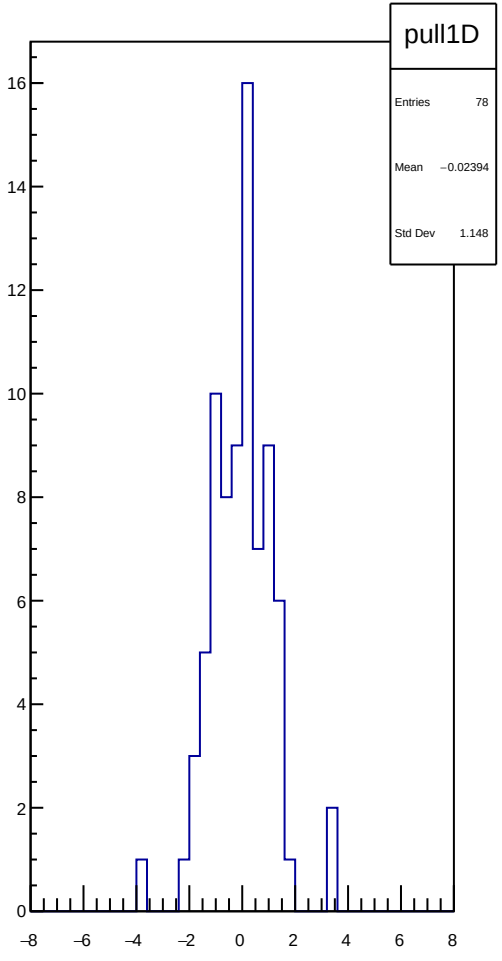

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 51.53 / 77
p0 345.7 ± 6.518
pull
Entries 78
Mean 164
Std Dev 114

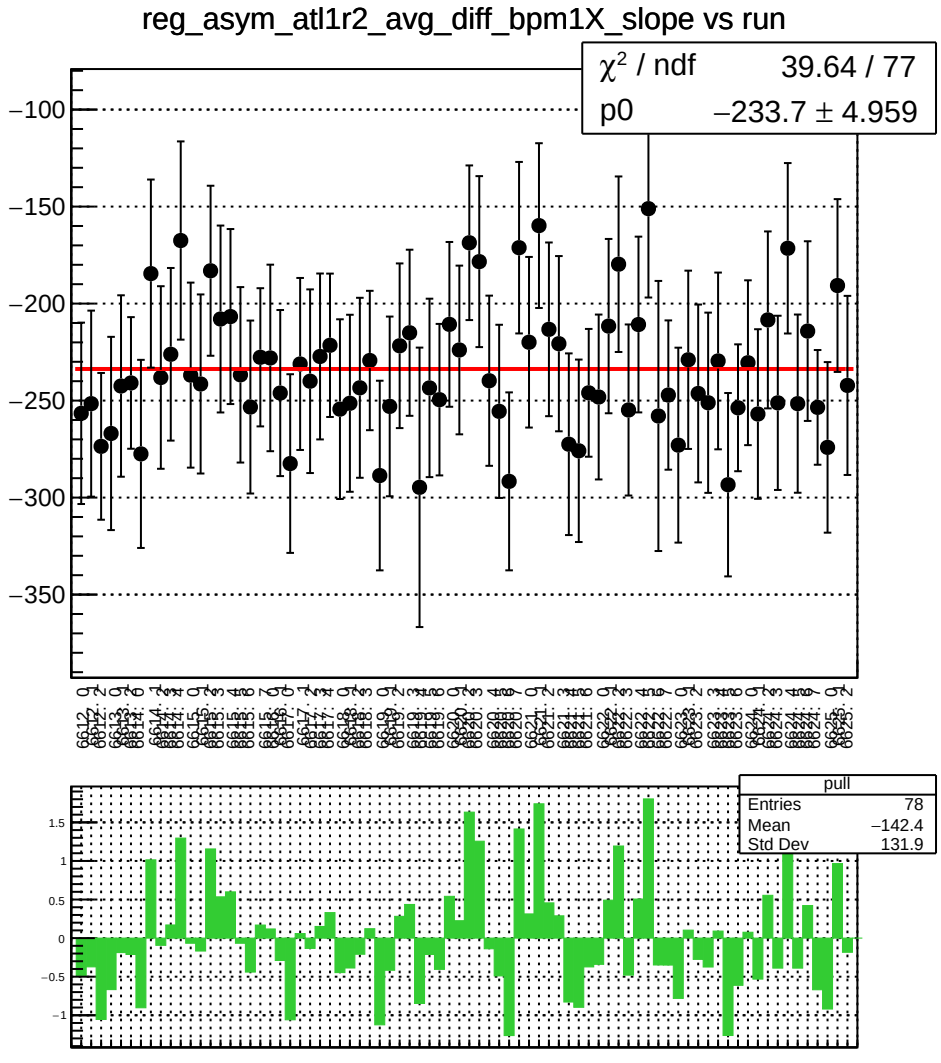

pull1D
Entries 78
Mean 0.01295
Std Dev 0.8127

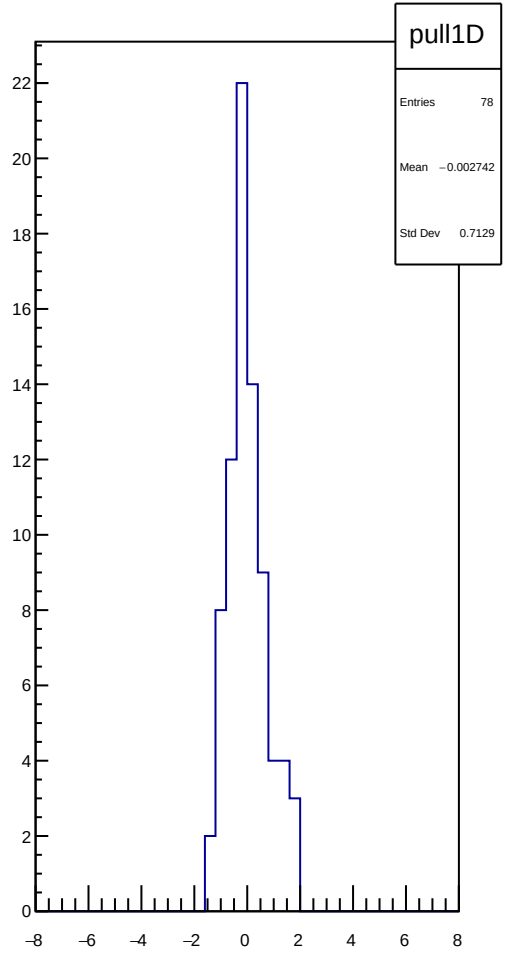

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 44.94 / 77
p0 76.21 ± 5.048
pull
Entries 78
Mean 13.17
Std Dev 36.86

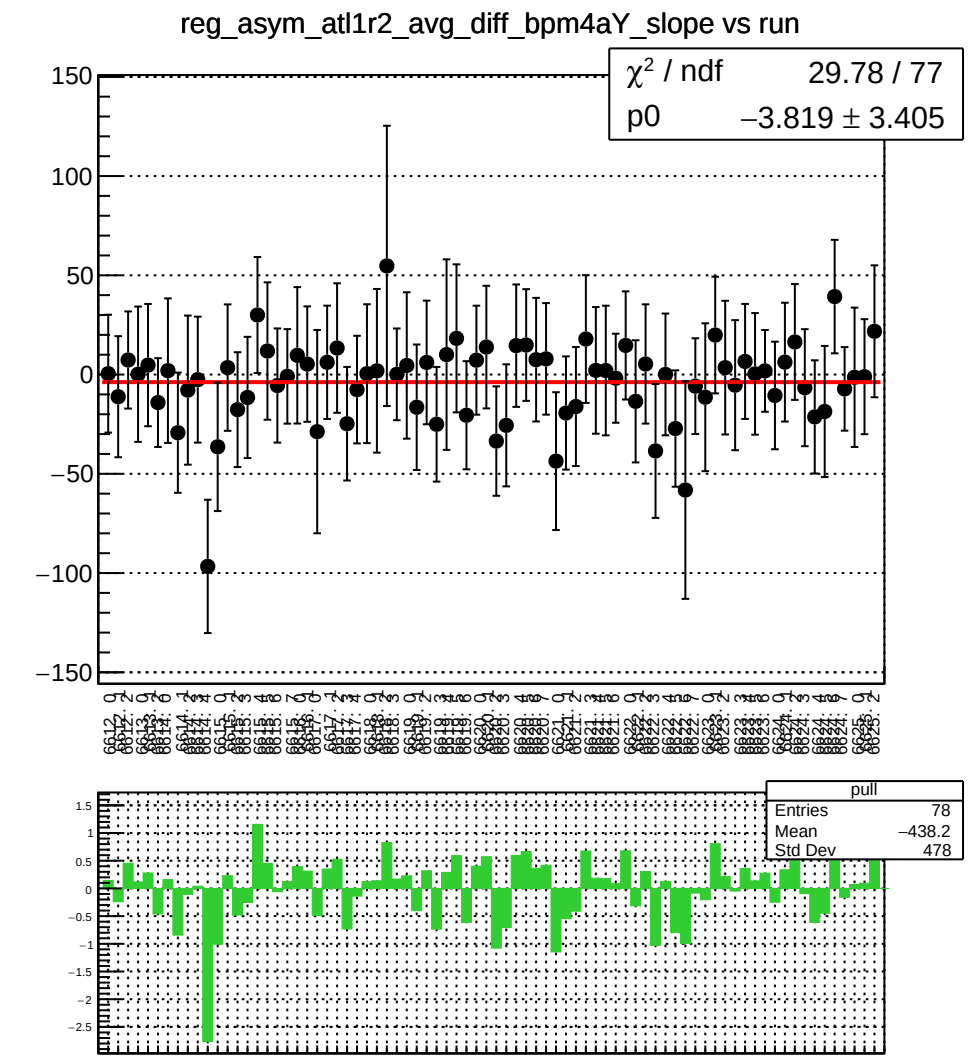

pull1D
Entries 78
Mean 0.007791
Std Dev 0.759

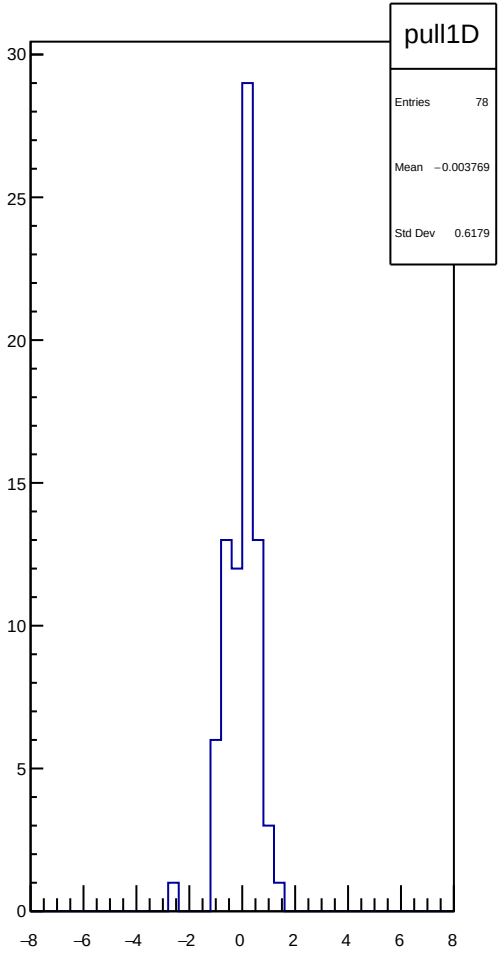

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 102.8 / 77
p0 −140.1 ± 0.2623
pull
Entries 78
Mean −376.9
Std Dev 413.6

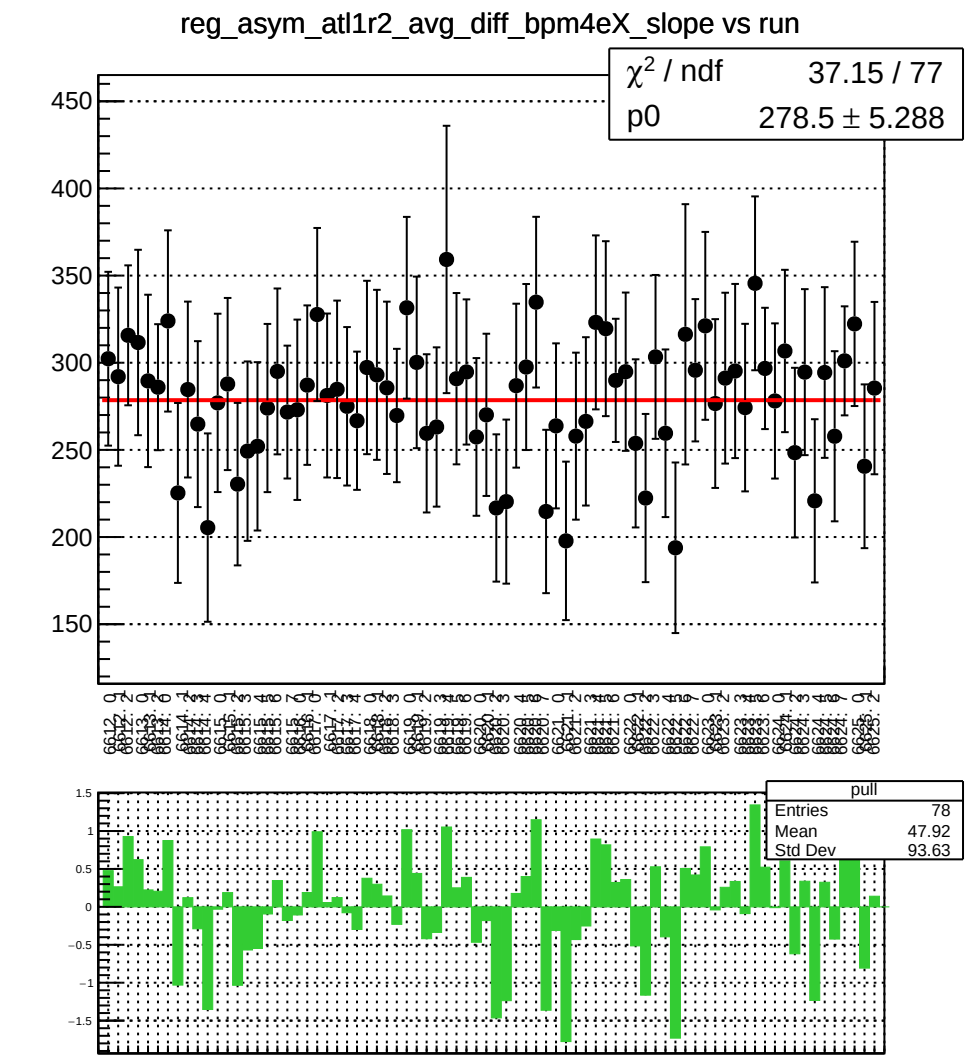

pull1D
Entries 78
Mean −0.02394
Std Dev 1.148

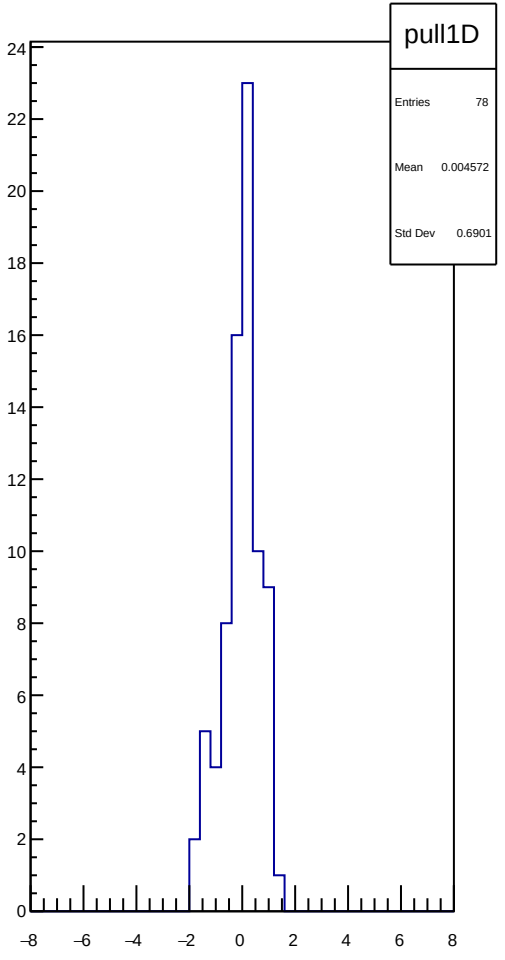

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 39.64 / 77
p0 −233.7 ± 4.959
−100
−150
−200
−250
−300
−350
pull
Entries 78
Mean −142.4
Std Dev 131.9
1.5
1
0.5
0
−0.5
−1

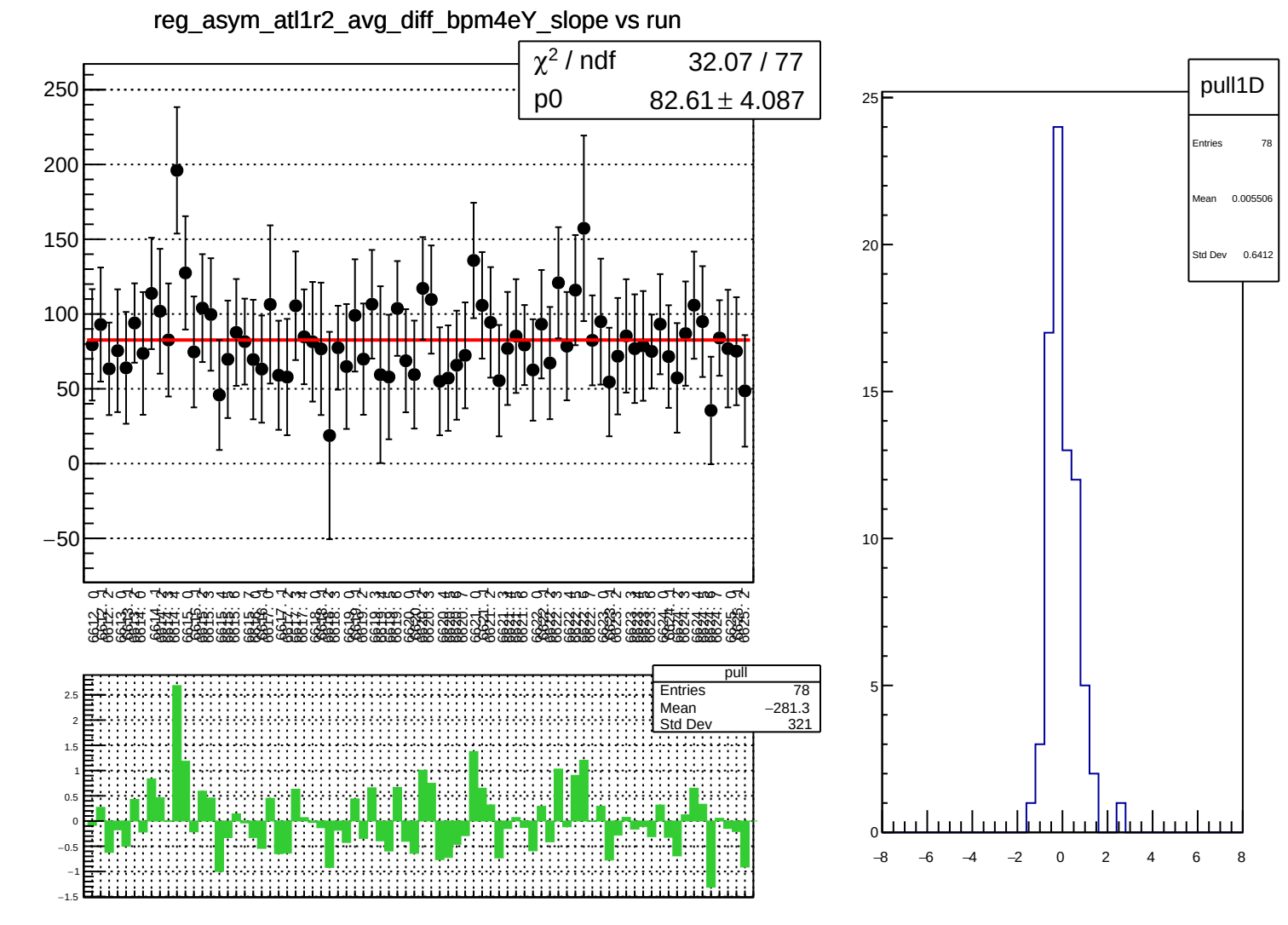

pull1D
Entries 78
Mean −0.002742
Std Dev 0.7129
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

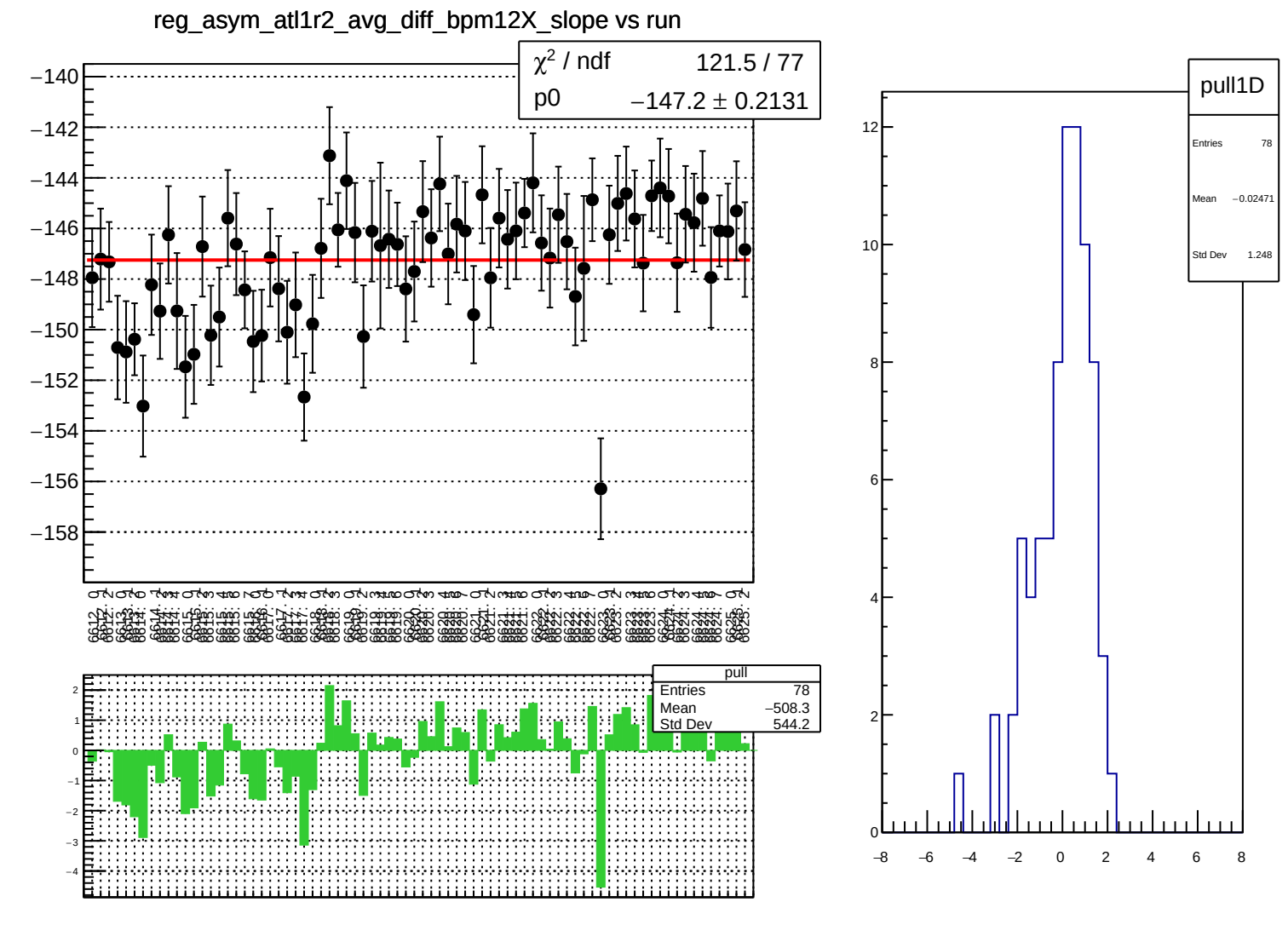

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 29.78 / 77
p0 −3.819 ± 3.405
pull
Entries 78
Mean −438.2
Std Dev 478

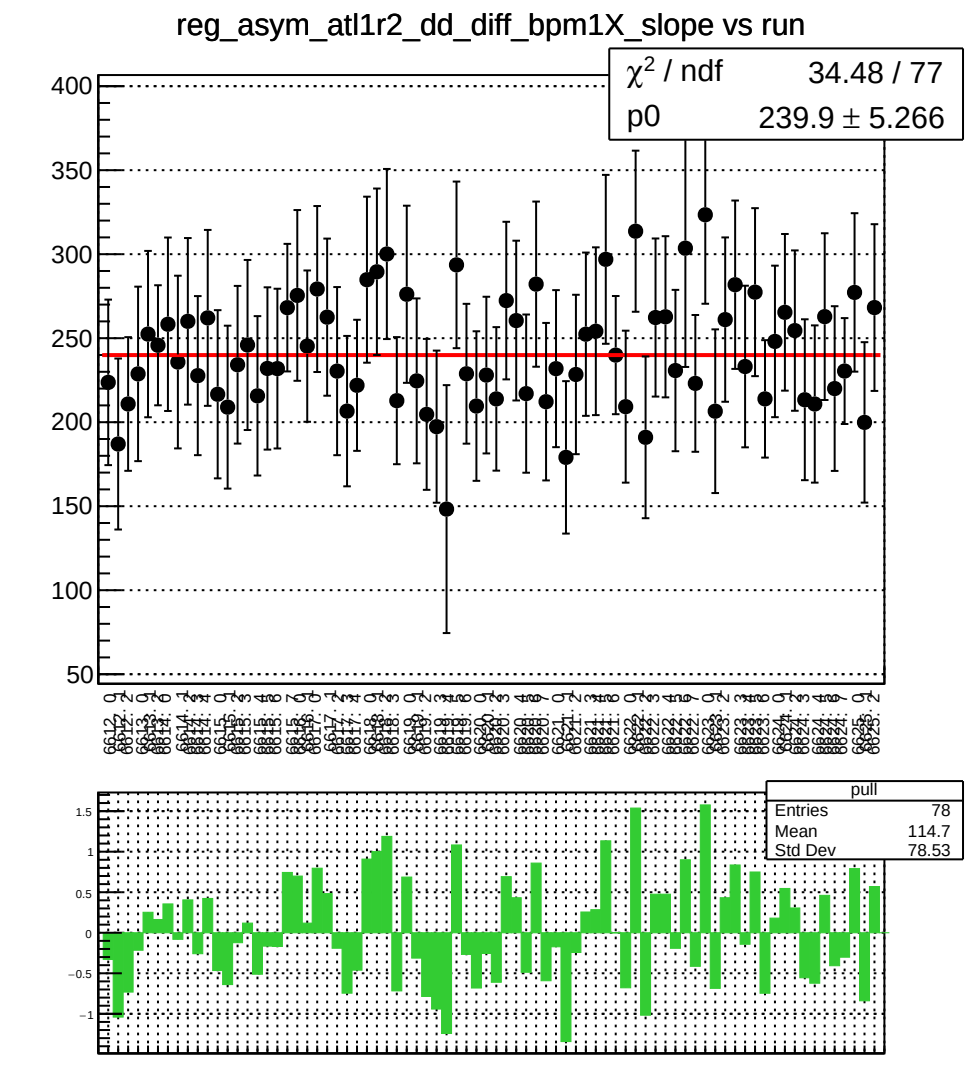

pull1D
Entries 78
Mean −0.003769
Std Dev 0.6179

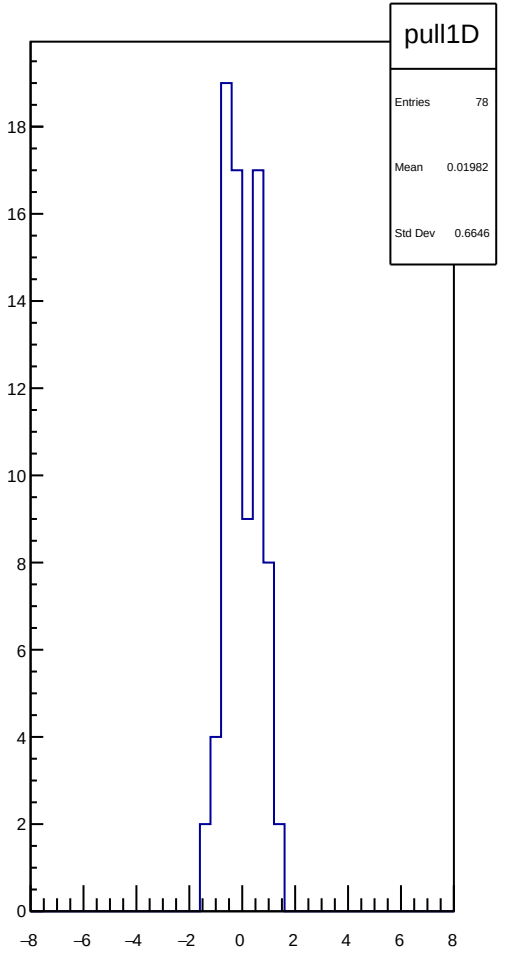

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 37.15 / 77
p0 278.5 ± 5.288
pull
Entries 78
Mean 47.92
Std Dev 93.63

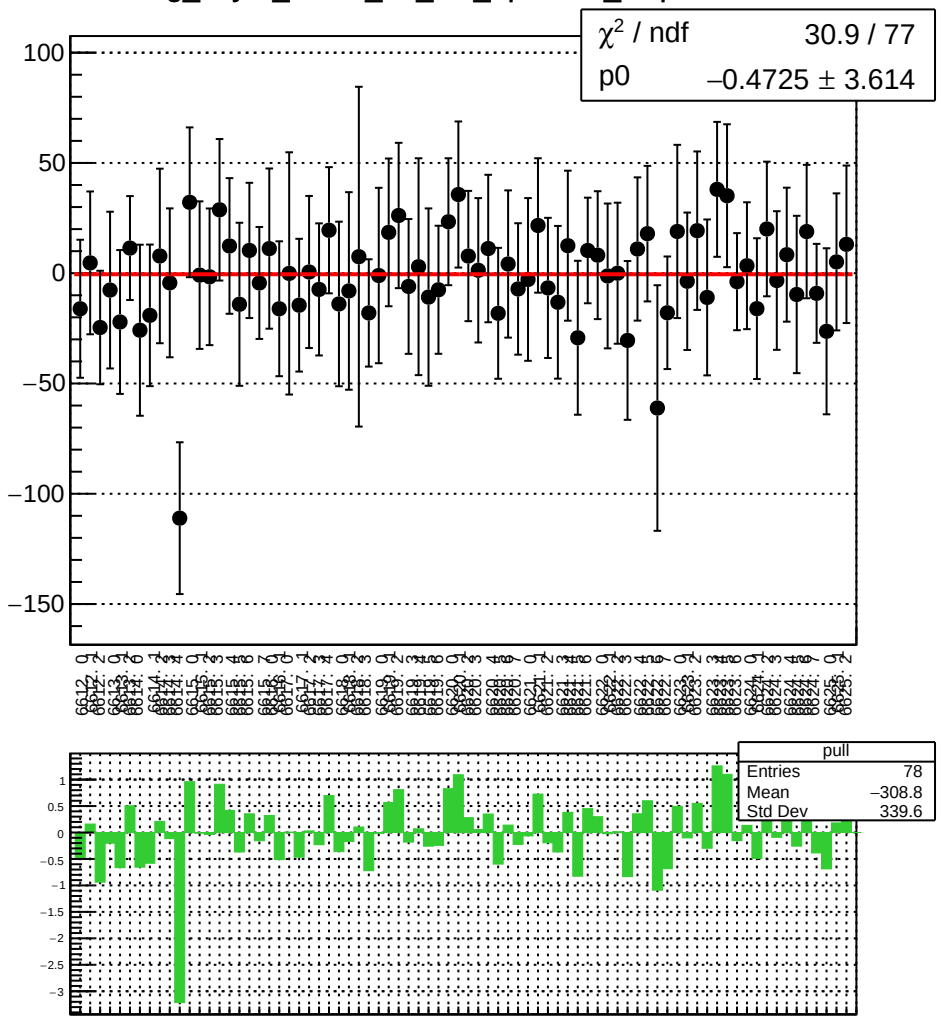

pull1D
Entries 78
Mean 0.004572
Std Dev 0.6901

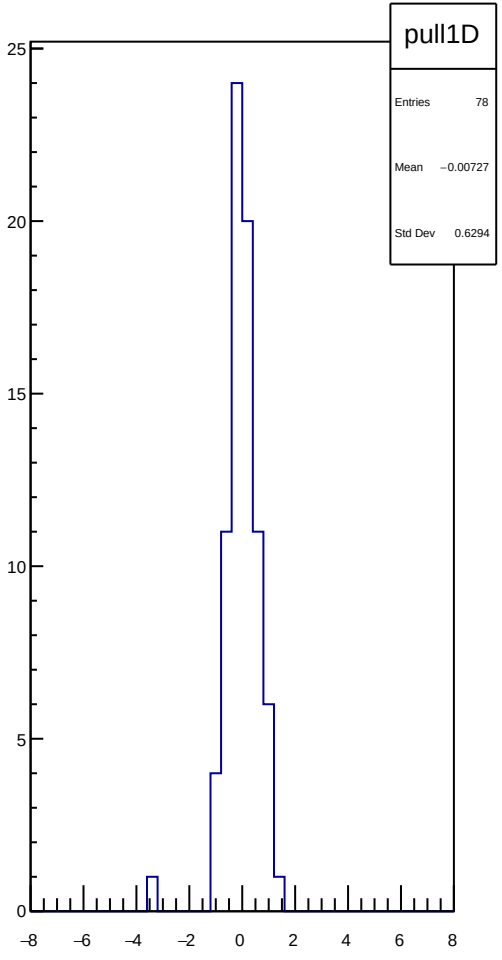

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 32.07 / 77
p0 82.61 ± 4.087
pull
Entries 78
Mean −281.3
Std Dev 321
pull1D
Entries 78
Mean 0.005506
Std Dev 0.6412

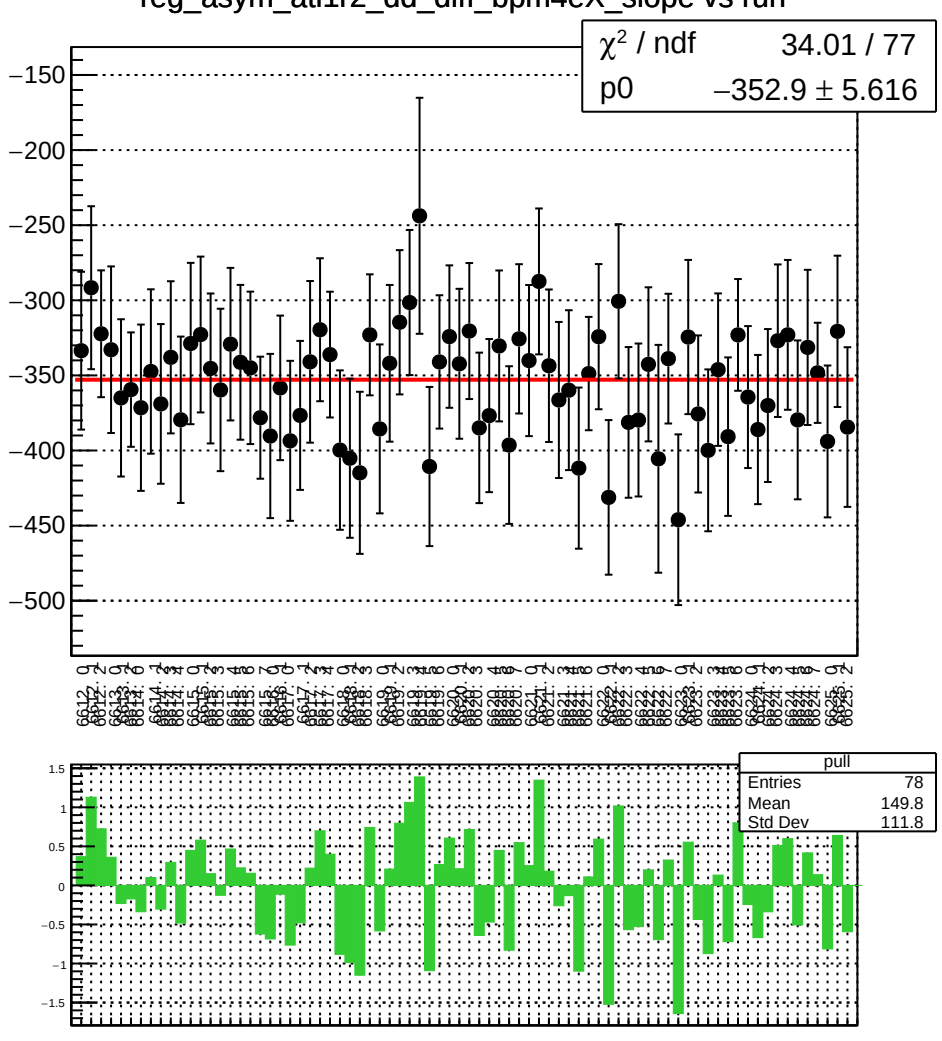

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 121.5 / 77
p0 −147.2 ± 0.2131
pull
Entries 78
Mean −508.3
Std Dev 544.2
pull1D
Entries 78
Mean −0.02471
Std Dev 1.248

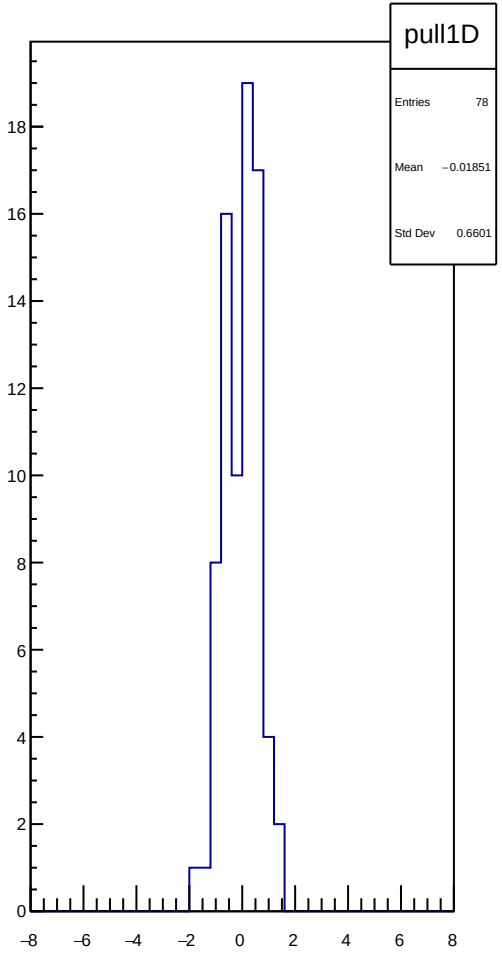

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 34.48 / 77
p0 239.9 ± 5.266
pull
Entries 78
Mean 114.7
Std Dev 78.53

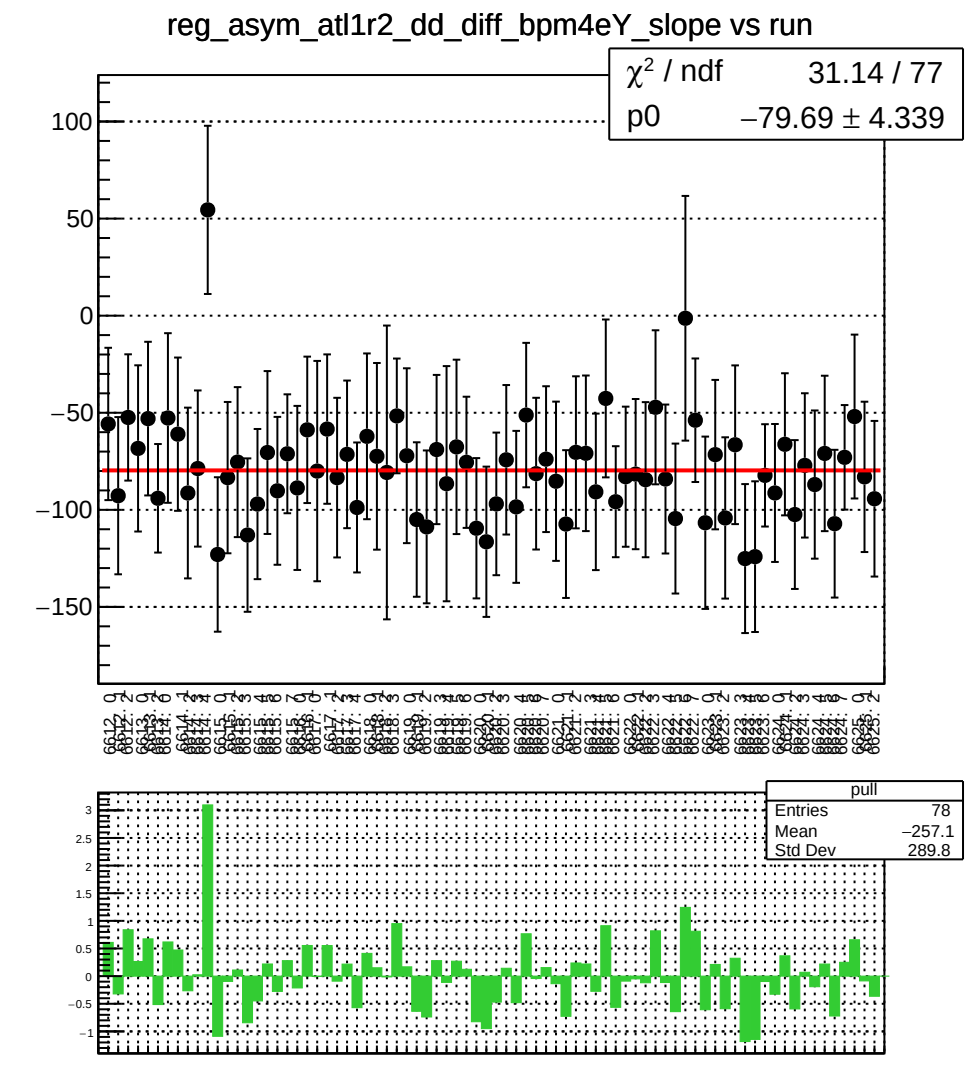

pull1D
Entries 78
Mean 0.01982
Std Dev 0.6646

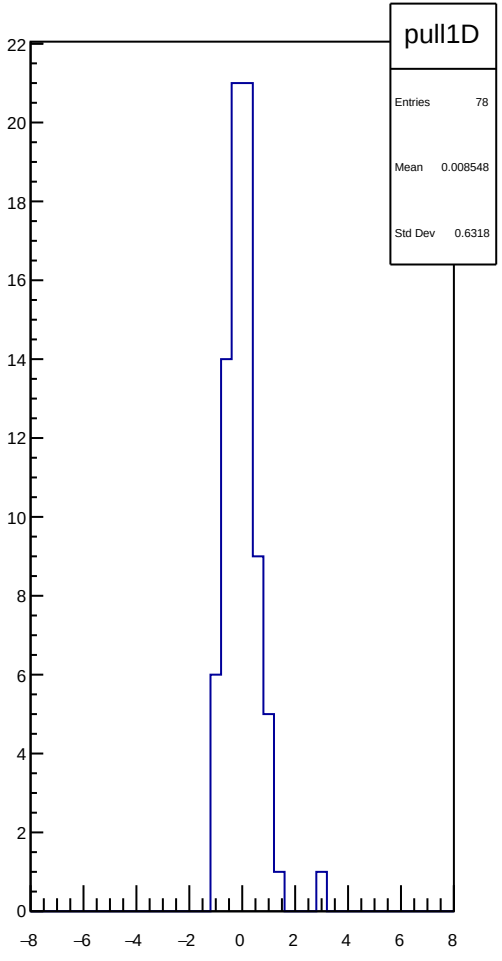

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 30.9 / 77
p0 −0.4725 ± 3.614
pull
Entries 78
Mean −308.8
Std Dev 339.6

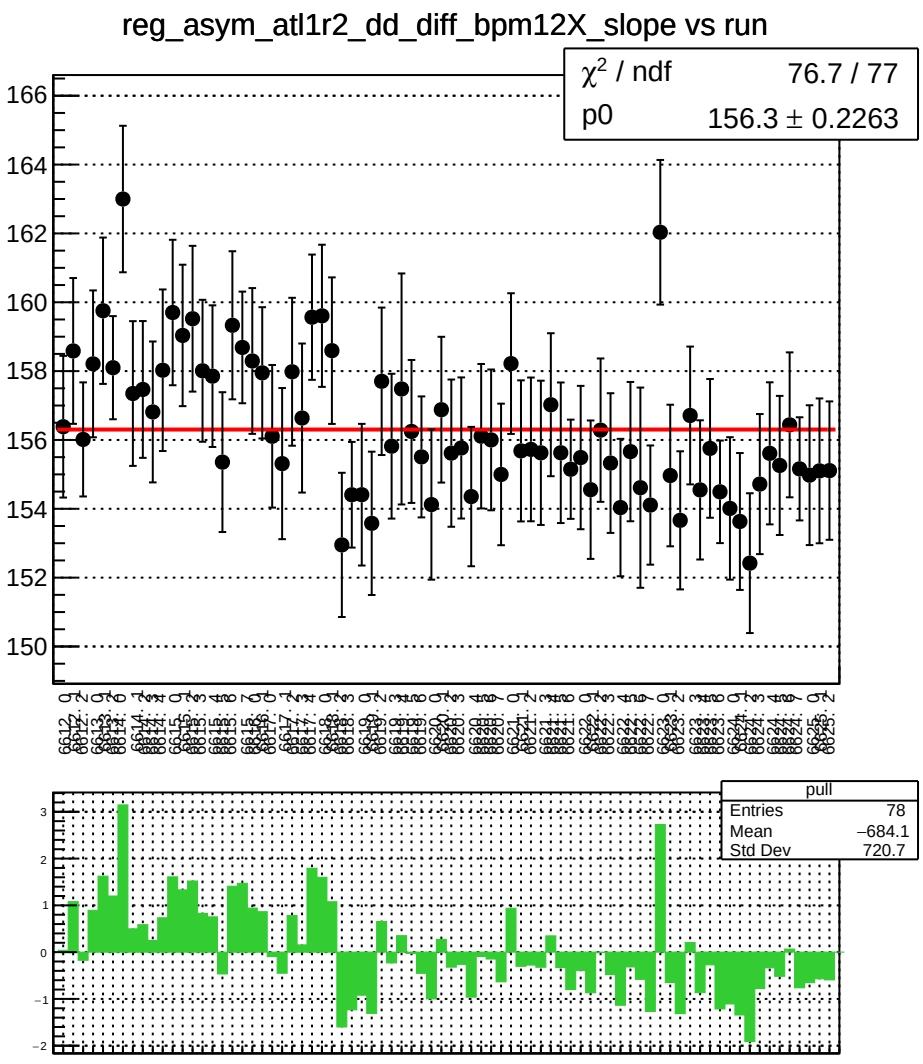

pull1D
Entries 78
Mean −0.00727
Std Dev 0.6294

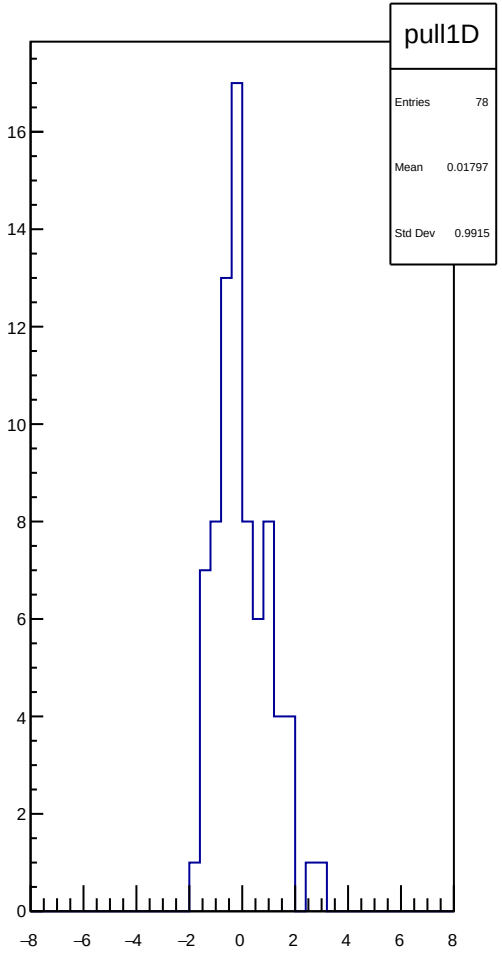

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 34.01 / 77
p0 −352.9 ± 5.616
pull
Entries 78
Mean 149.8
Std Dev 111.8

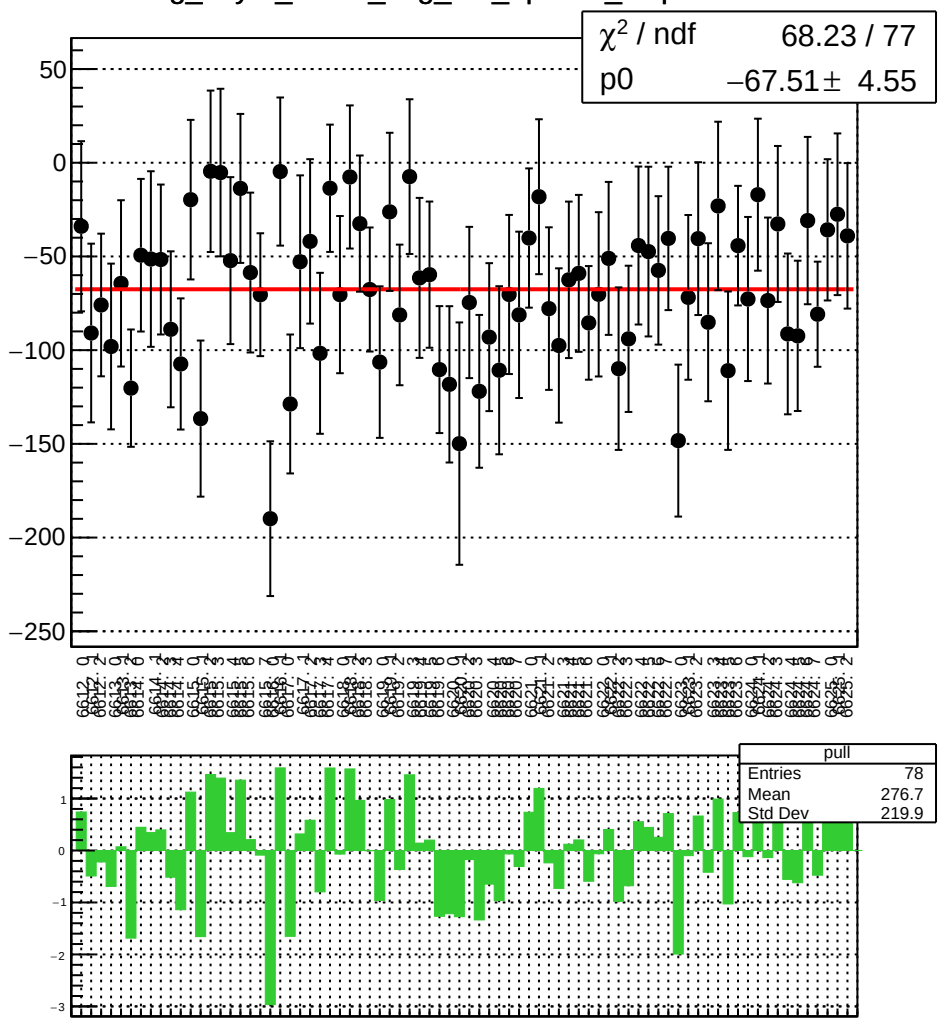

pull1D
Entries 78
Mean −0.01851
Std Dev 0.6601

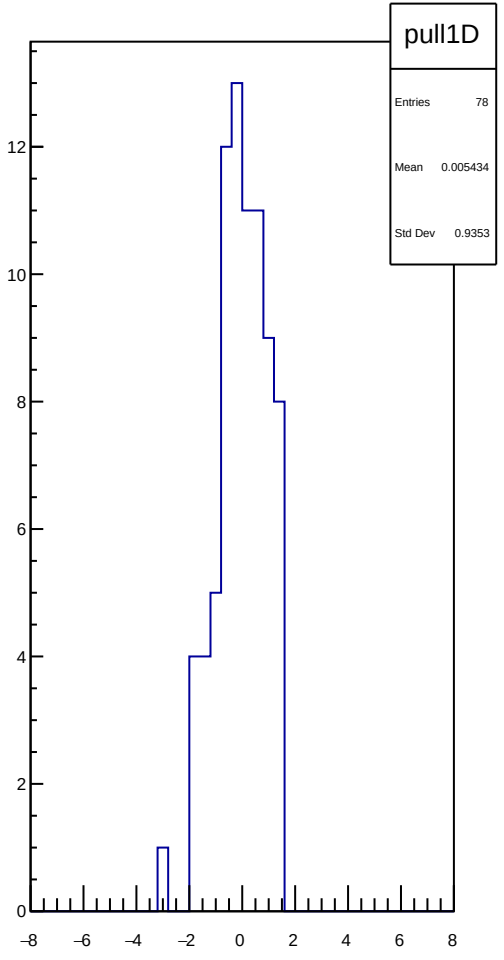

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 31.14 / 77
p0 −79.69 ± 4.339
pull
Entries 78
Mean −257.1
Std Dev 289.8

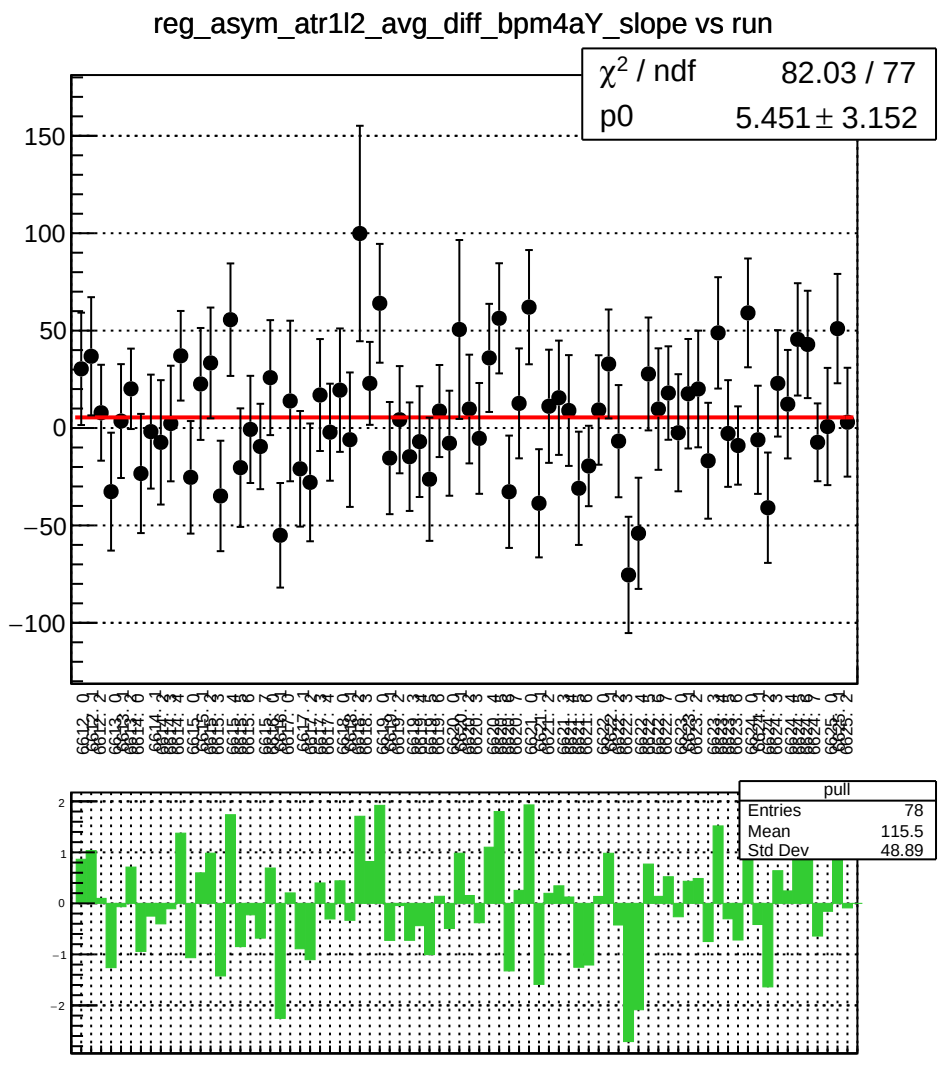

pull1D
Entries 78
Mean 0.008548
Std Dev 0.6318

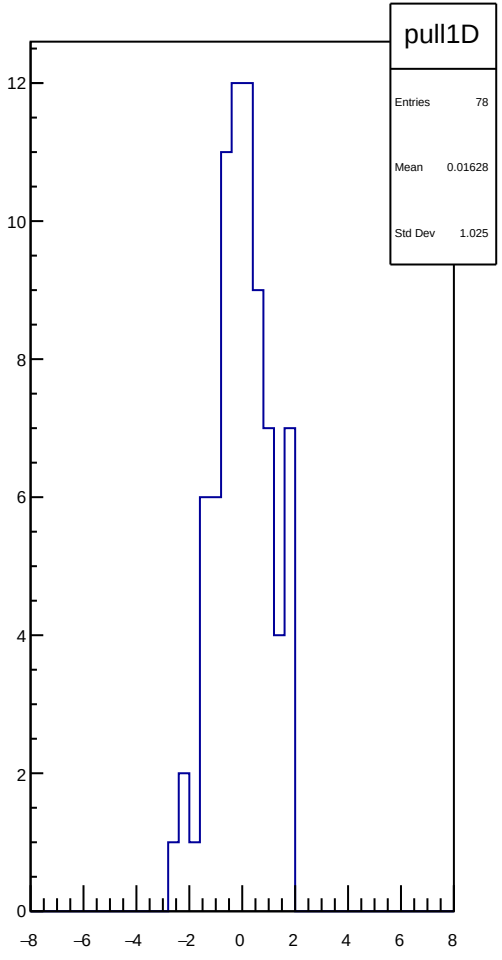

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 76.7 / 77
p0 156.3 ± 0.2263
pull
Entries 78
Mean −684.1
Std Dev 720.7

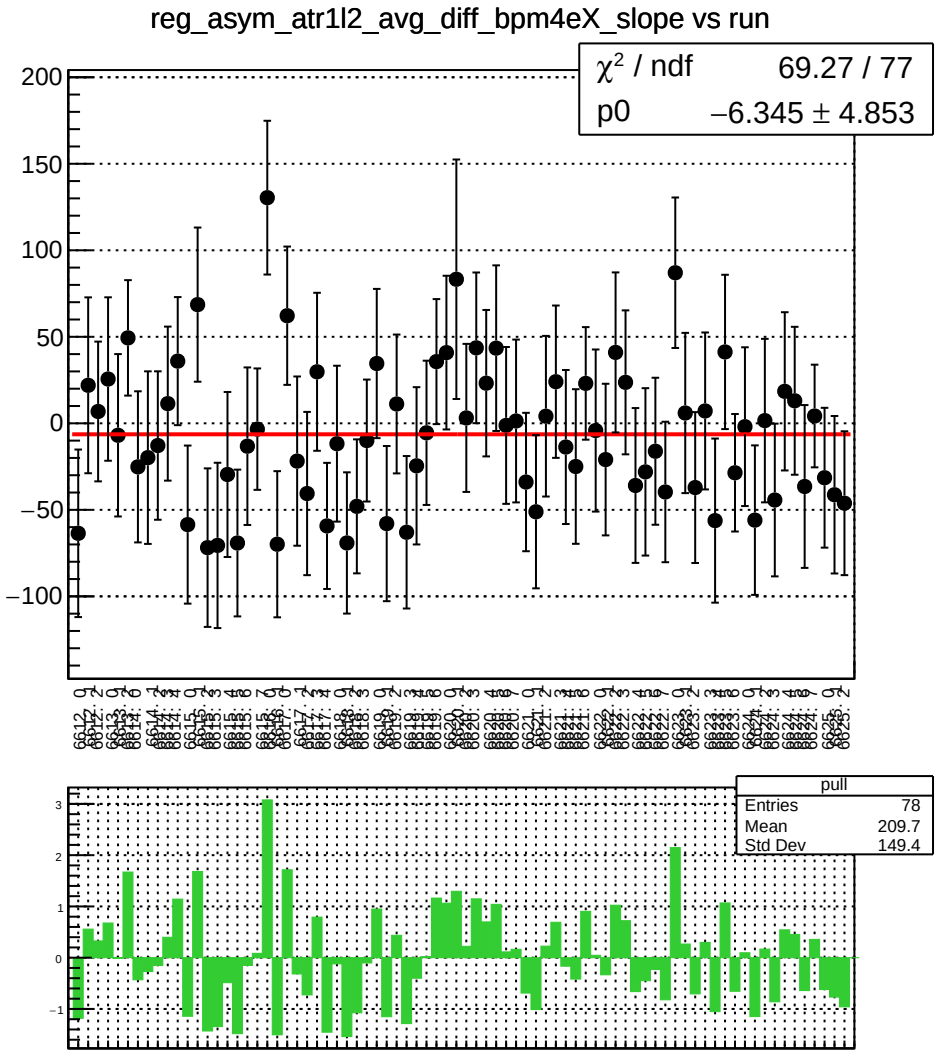

pull1D
Entries 78
Mean 0.01797
Std Dev 0.9915

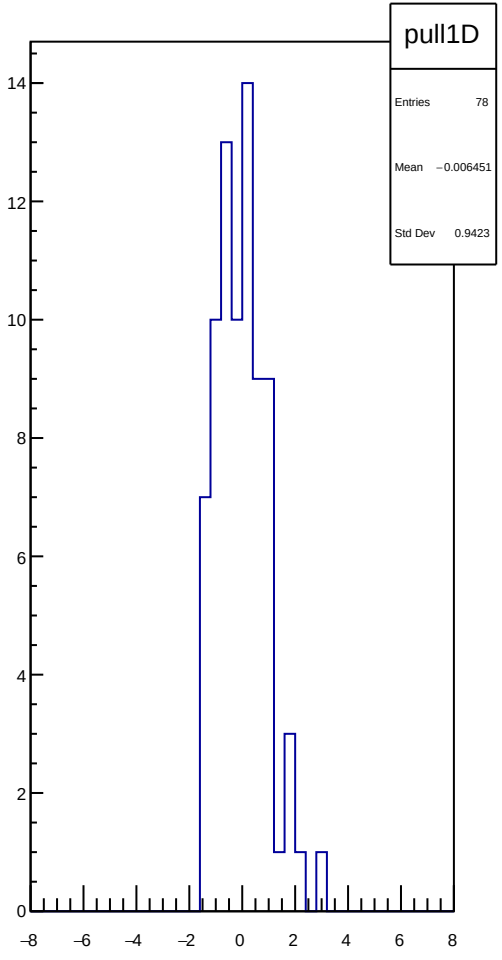

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 68.23 / 77
p0 −67.51± 4.55
pull
Entries 78
Mean 276.7
Std Dev 219.9

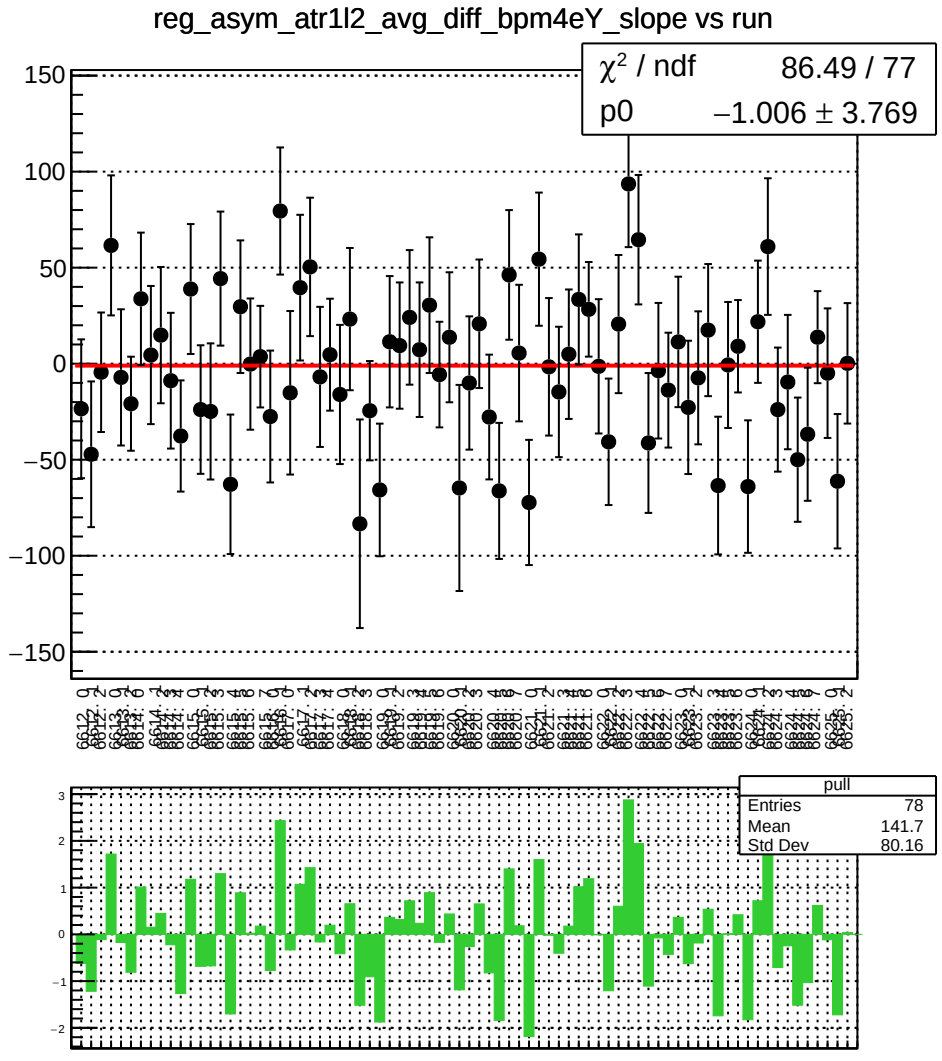

pull1D
Entries 78
Mean 0.005434
Std Dev 0.9353

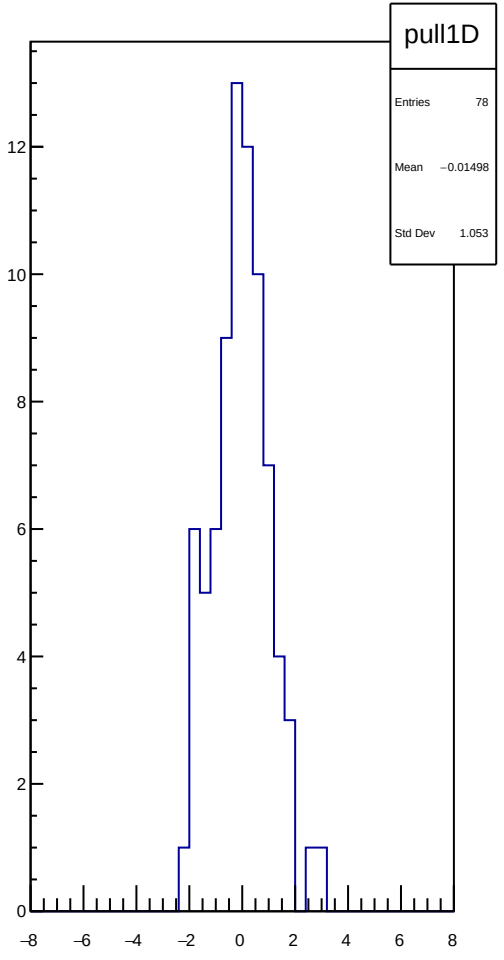

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 82.03 / 77
p0 5.451 ± 3.152
150
100
50
0
−50
−100
pull
Entries 78
Mean 115.5
Std Dev 48.89
2
1
0
−1
−2

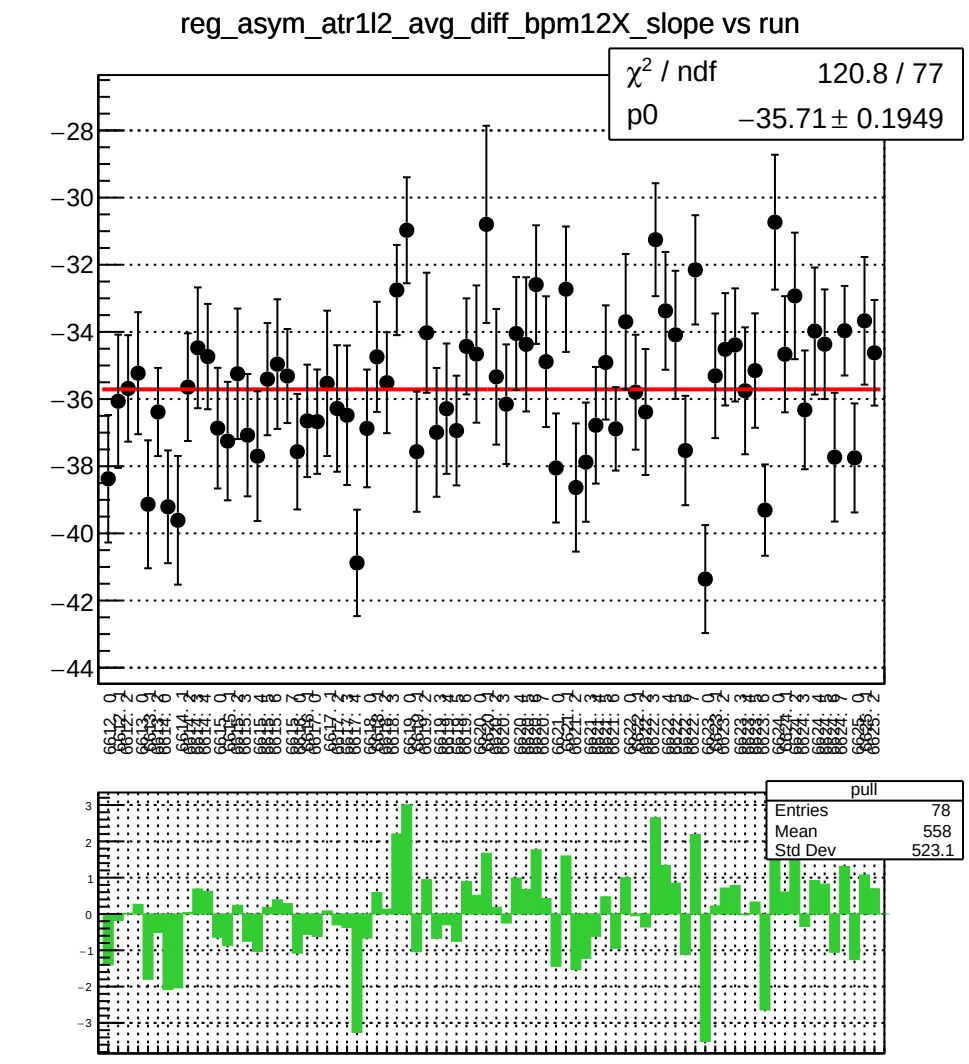

pull1D
Entries 78
Mean 0.01628
Std Dev 1.025
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

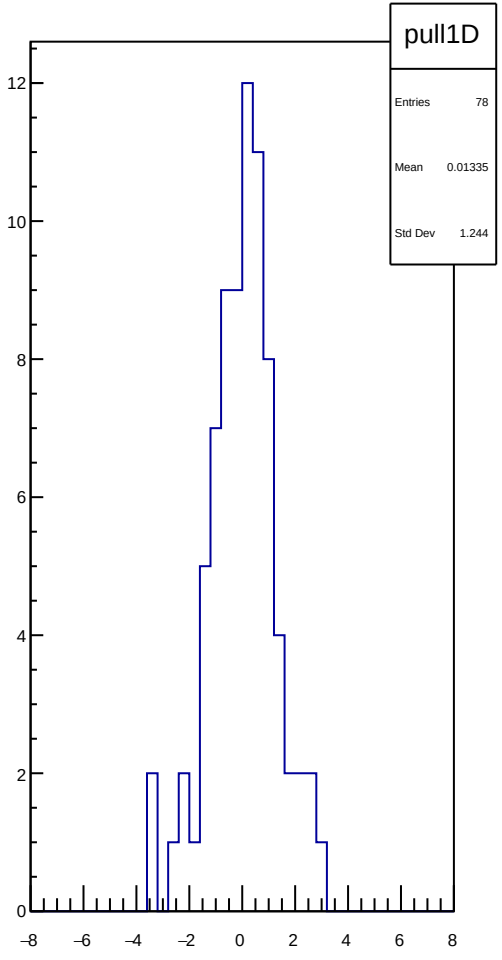

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 69.27 / 77
p0 −6.345 ± 4.853
pull
Entries 78
Mean 209.7
Std Dev 149.4

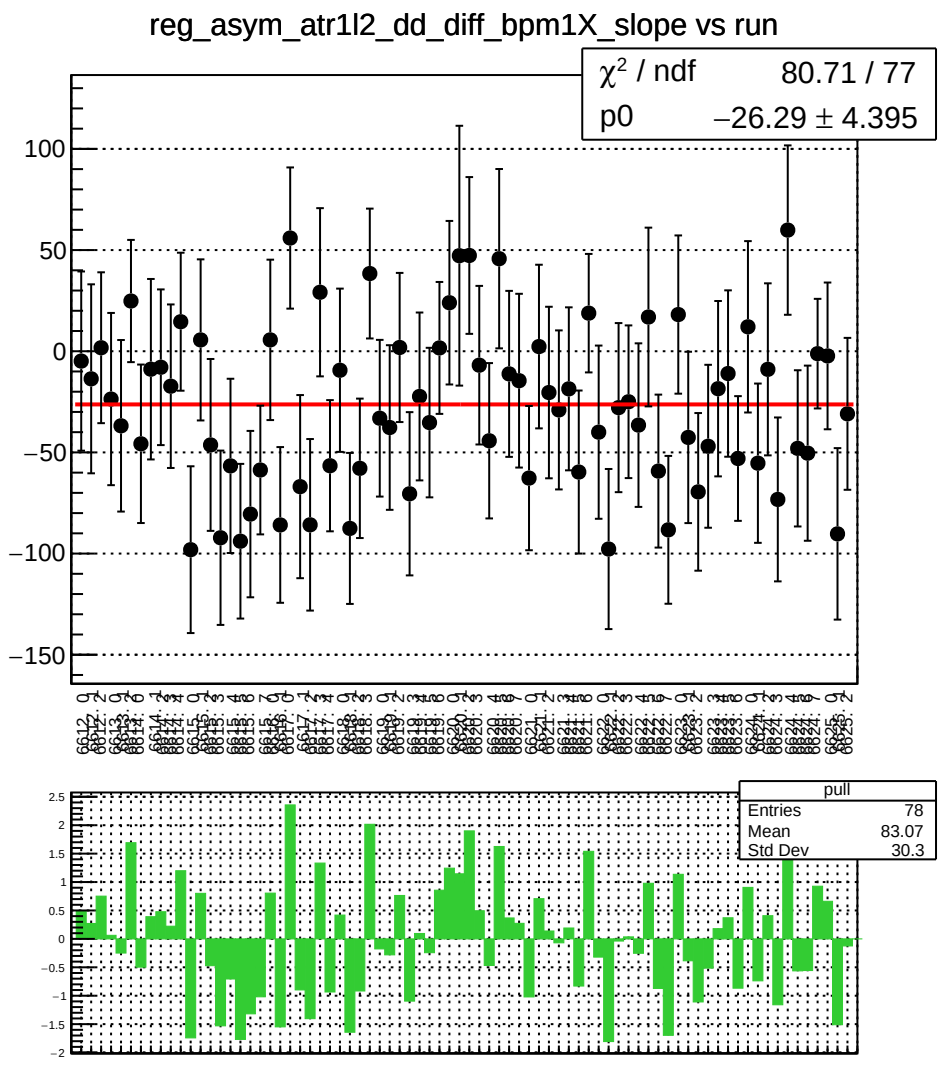

pull1D
Entries 78
Mean −0.006451
Std Dev 0.9423

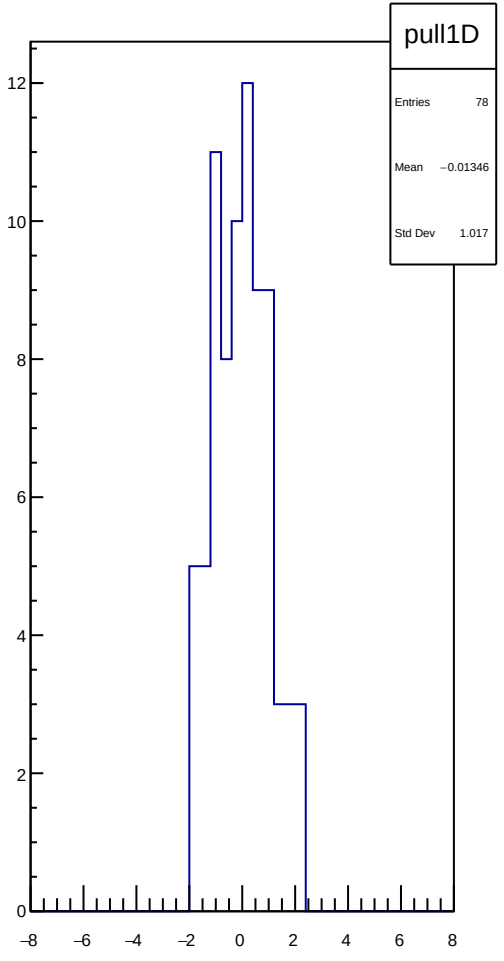

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 86.49 / 77
p0 −1.006 ± 3.769
150
100
50
0
−50
−100
−150
pull
Entries 78
Mean 141.7
Std Dev 80.16
3
2
1
0
−1
−2

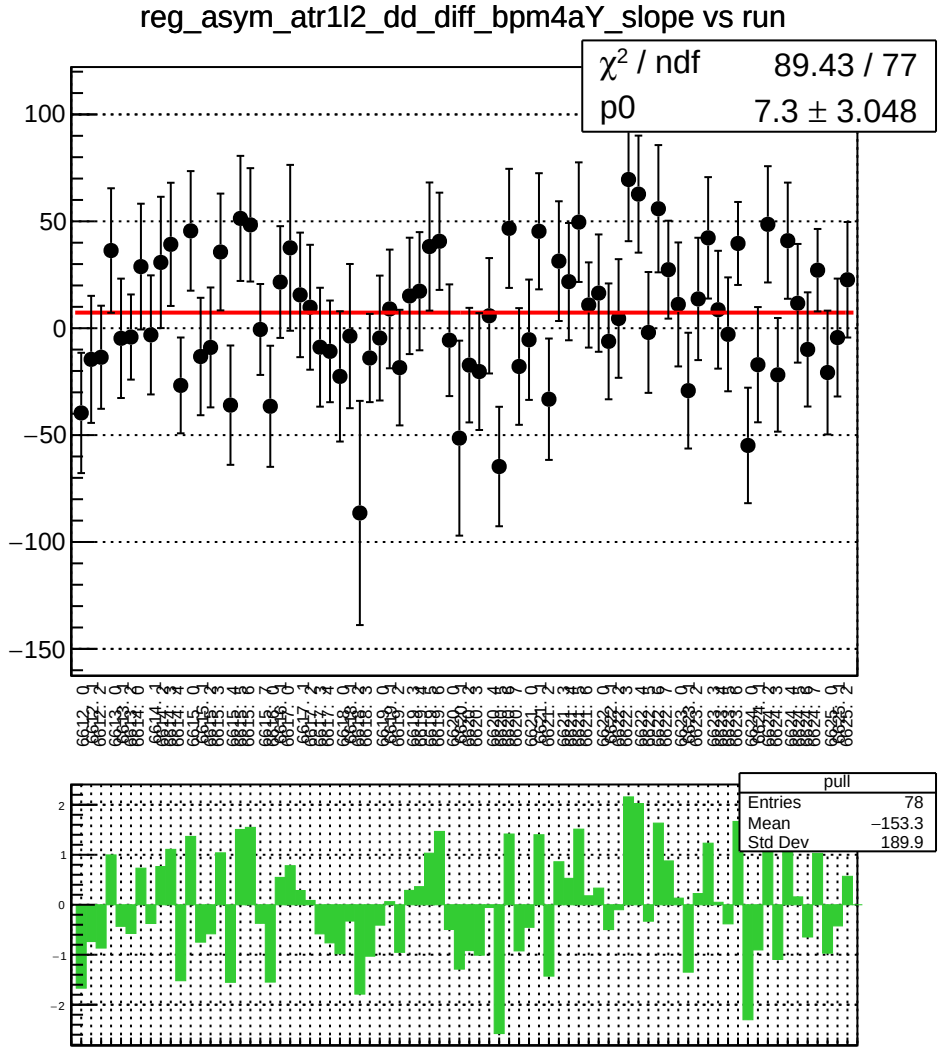

pull1D
Entries 78
Mean −0.01498
Std Dev 1.053
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

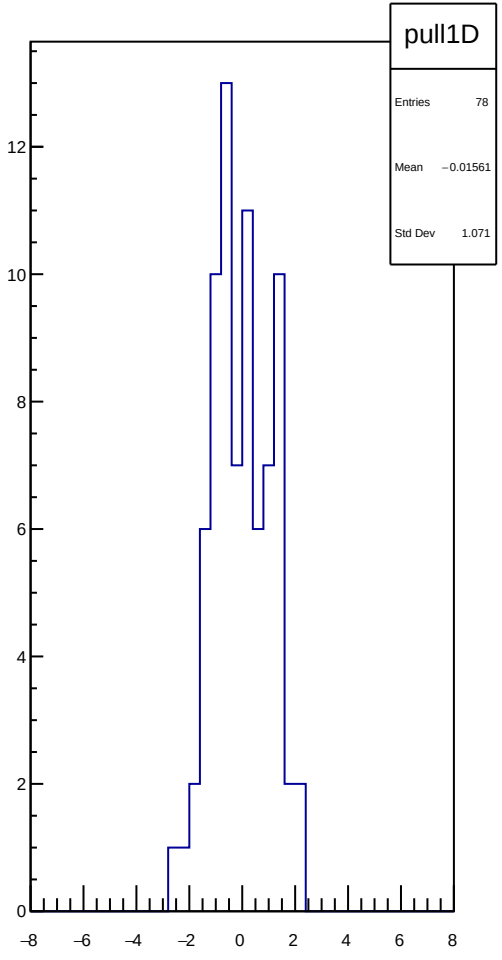

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 120.8 / 77
p0 −35.71 ± 0.1949
pull
Entries 78
Mean 558
Std Dev 523.1

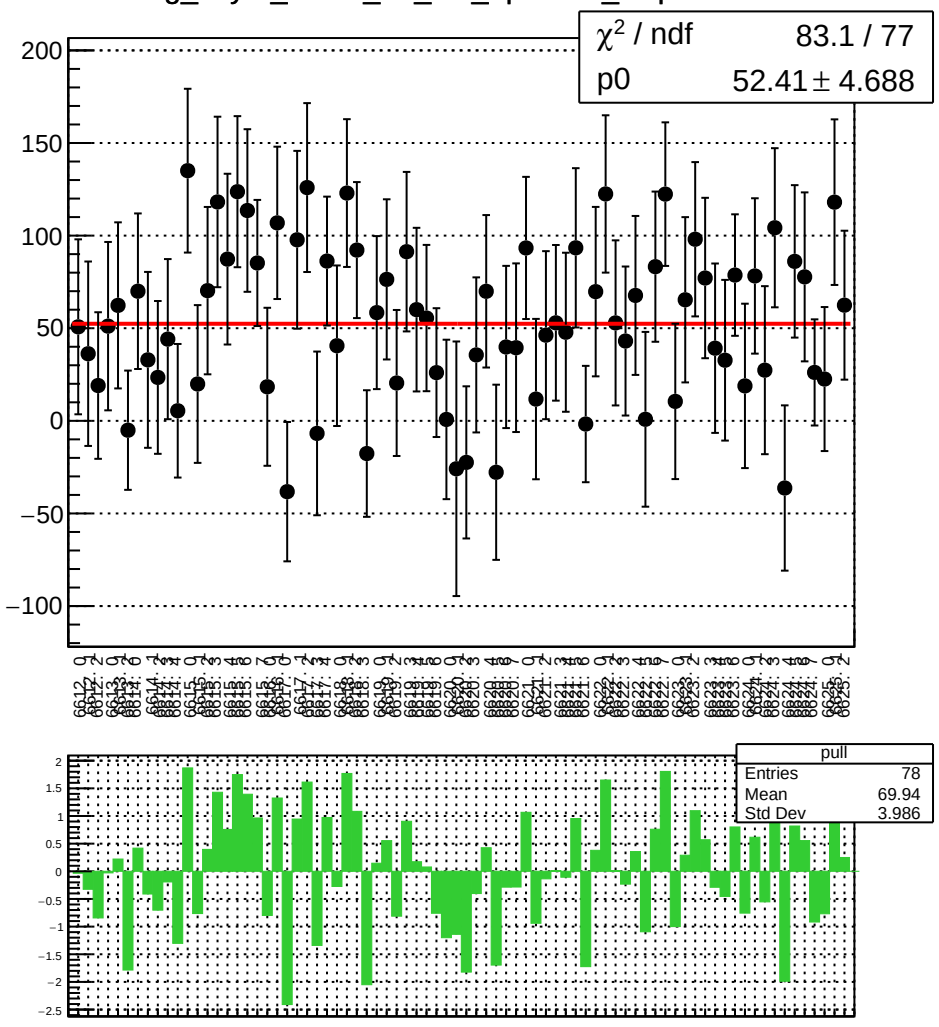

pull1D
Entries 78
Mean 0.01335
Std Dev 1.244

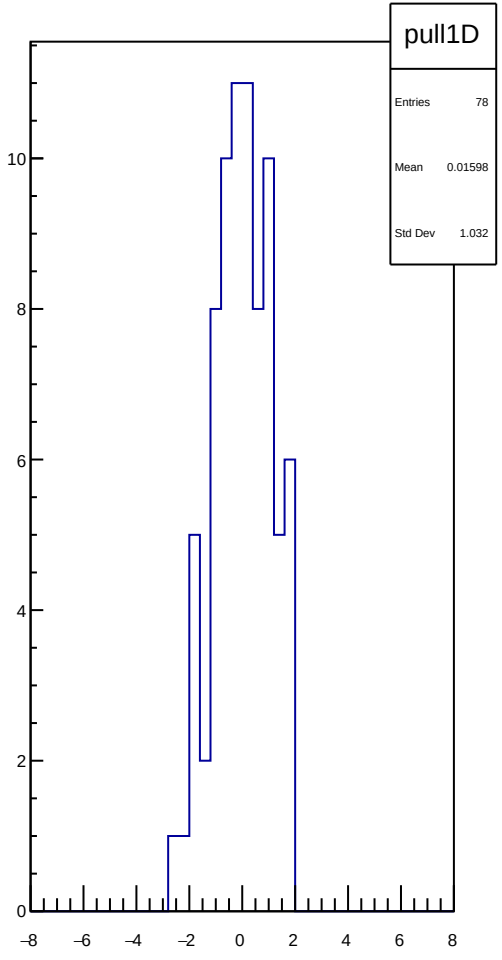

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 80.71 / 77
p0 −26.29 ± 4.395
pull
Entries 78
Mean 83.07
Std Dev 30.3

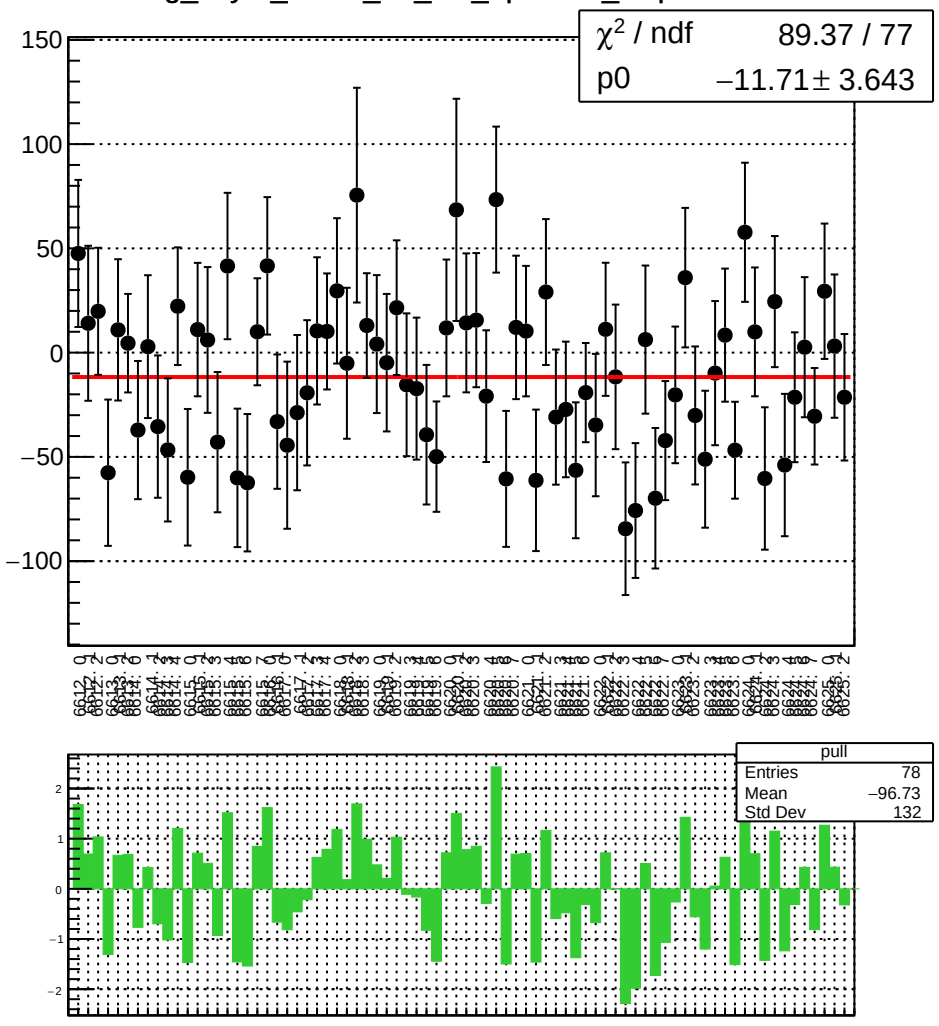

pull1D
Entries 78
Mean −0.01346
Std Dev 1.017

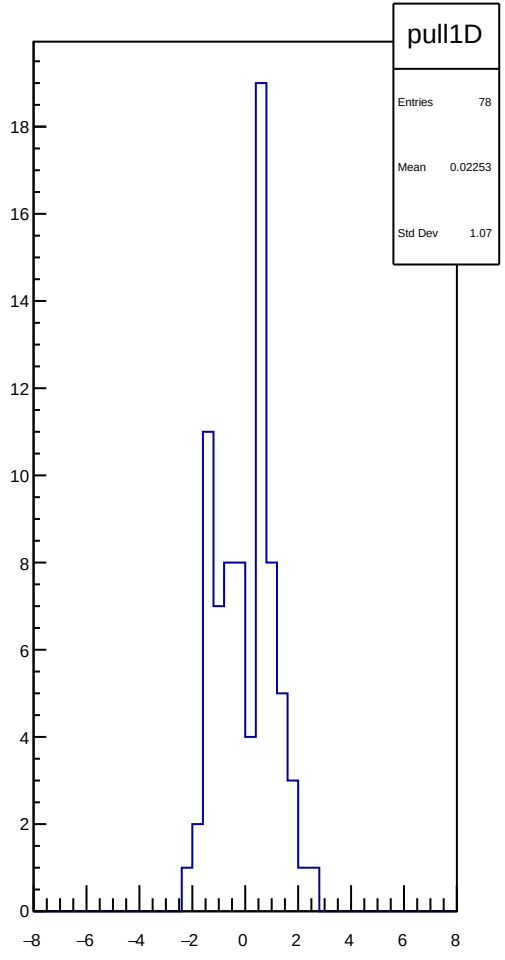

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 89.43 / 77
p0 7.3 ± 3.048
pull
Entries 78
Mean −153.3
Std Dev 189.9

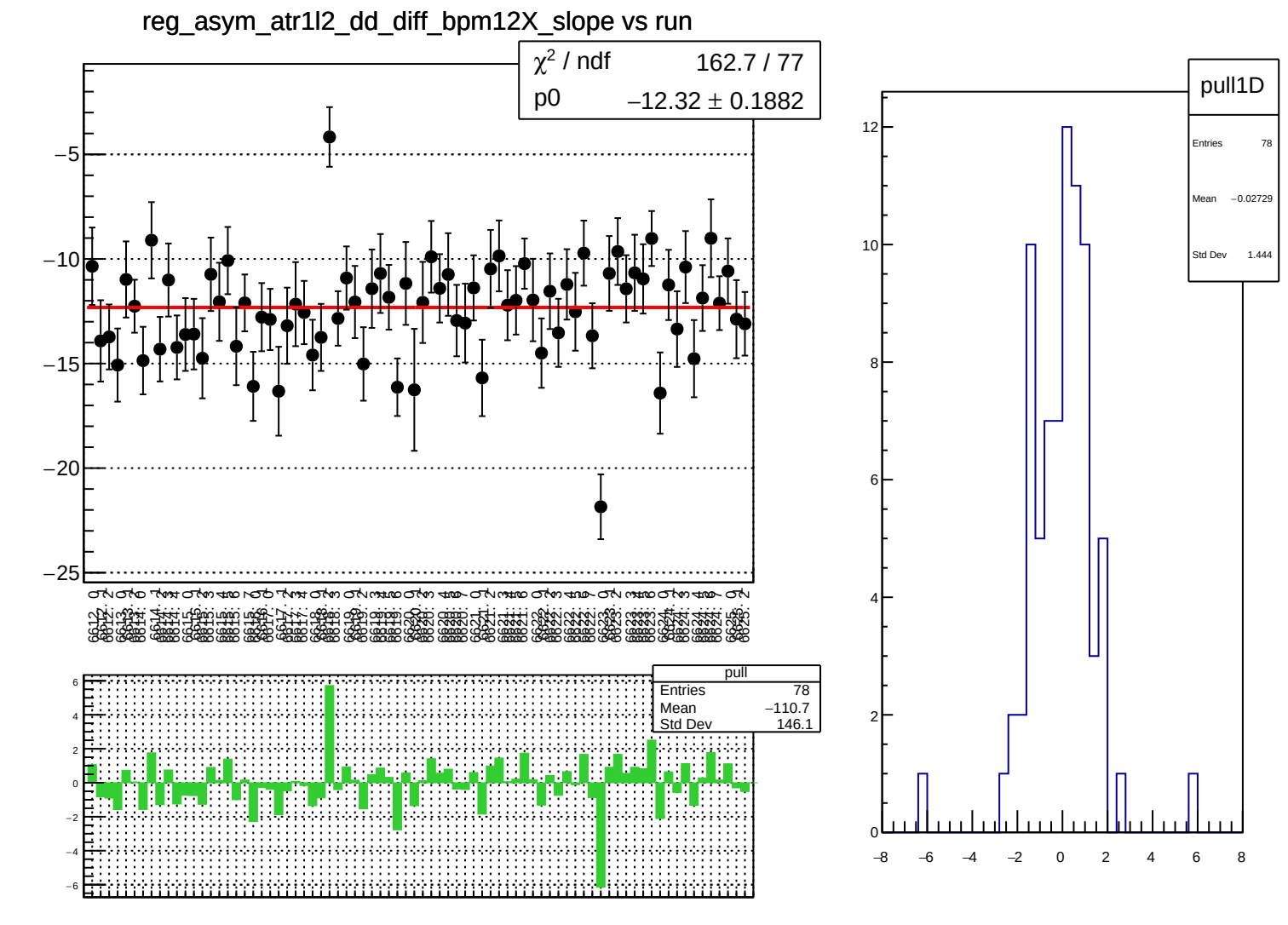

pull1D
Entries 78
Mean −0.01561
Std Dev 1.071

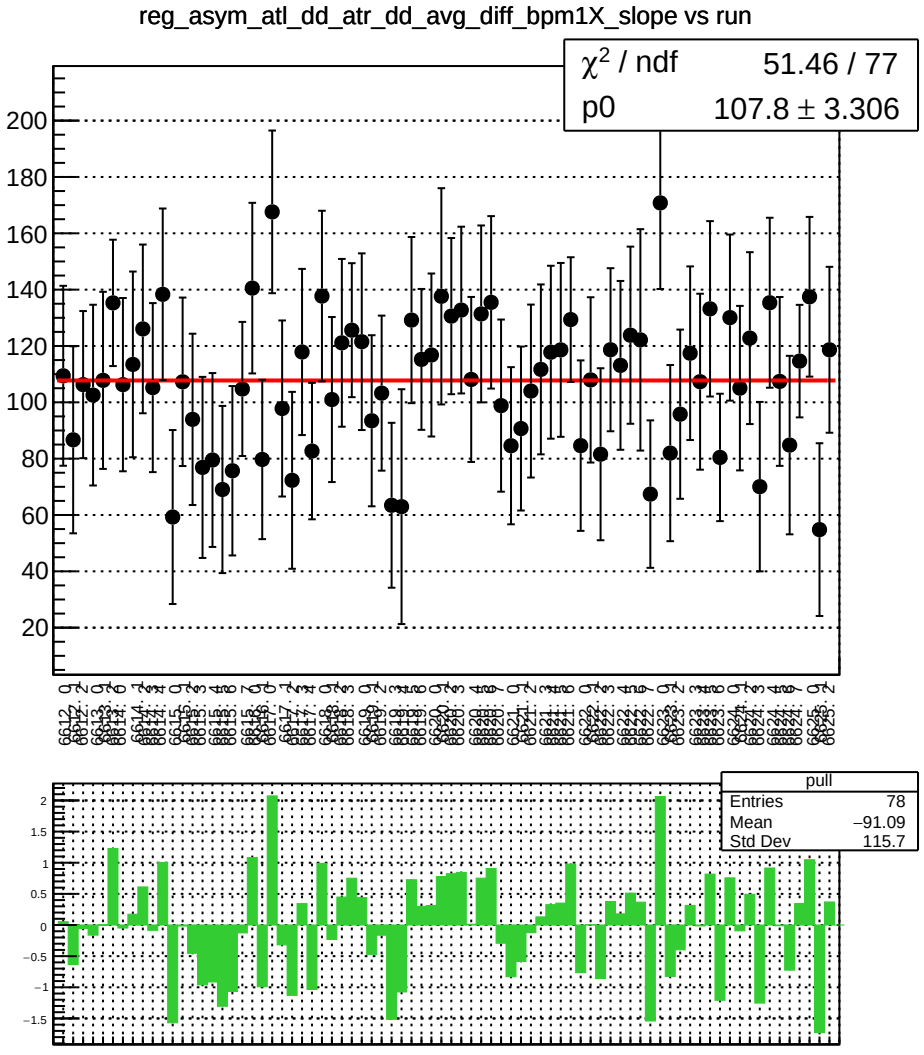

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 83.1 / 77
p0 52.41 ± 4.688
pull
Entries 78
Mean 69.94
Std Dev 3.986

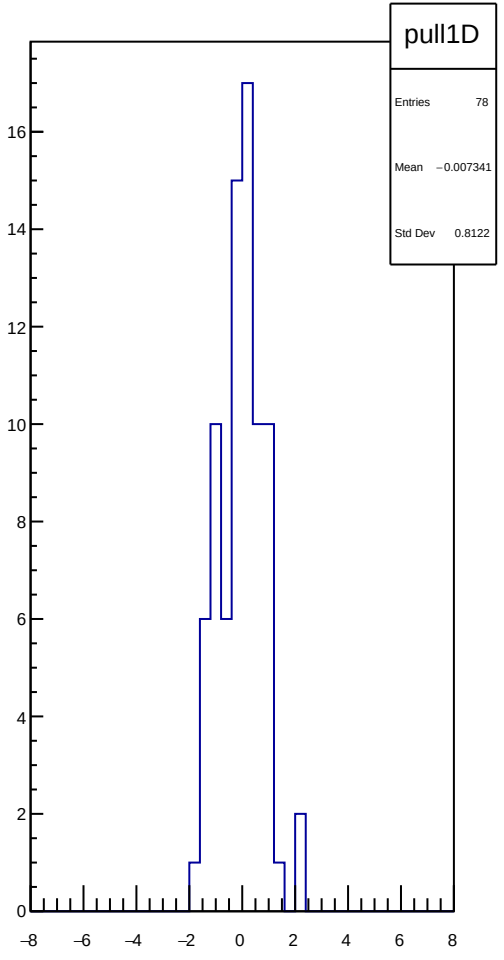

pull1D
Entries 78
Mean 0.01598
Std Dev 1.032

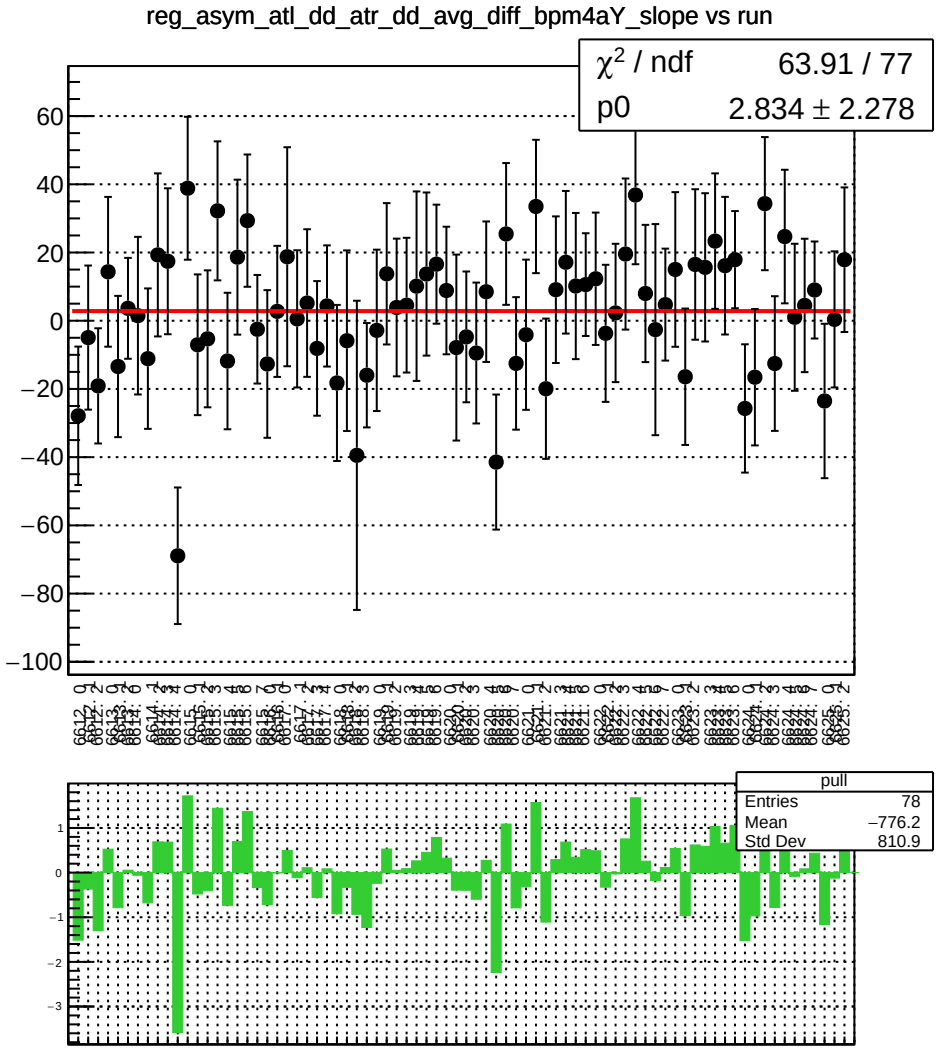

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 89.37 / 77
p0 −11.71± 3.643
150
100
50
0
−50
−100
pull
Entries 78
Mean −96.73
Std Dev 132
2
1
0
−1
−2

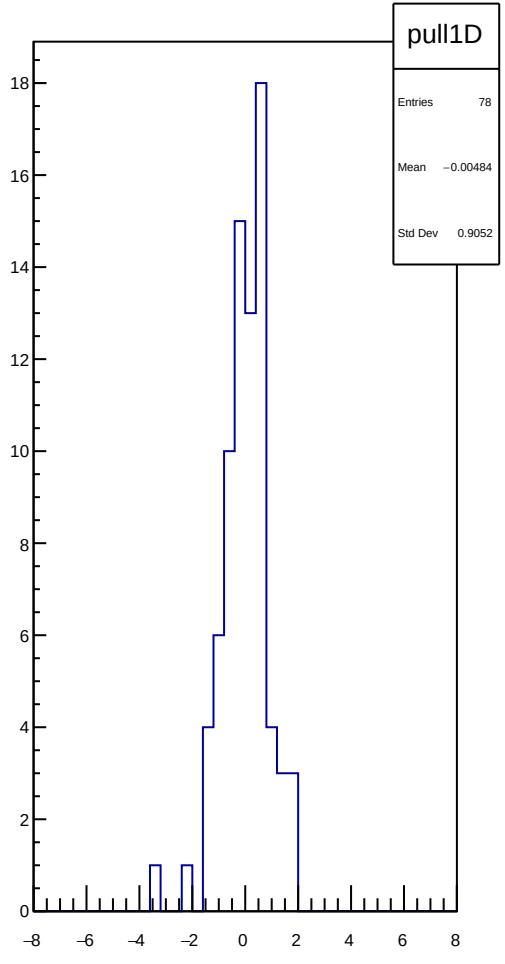

pull1D
Entries 78
Mean 0.02253
Std Dev 1.07
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

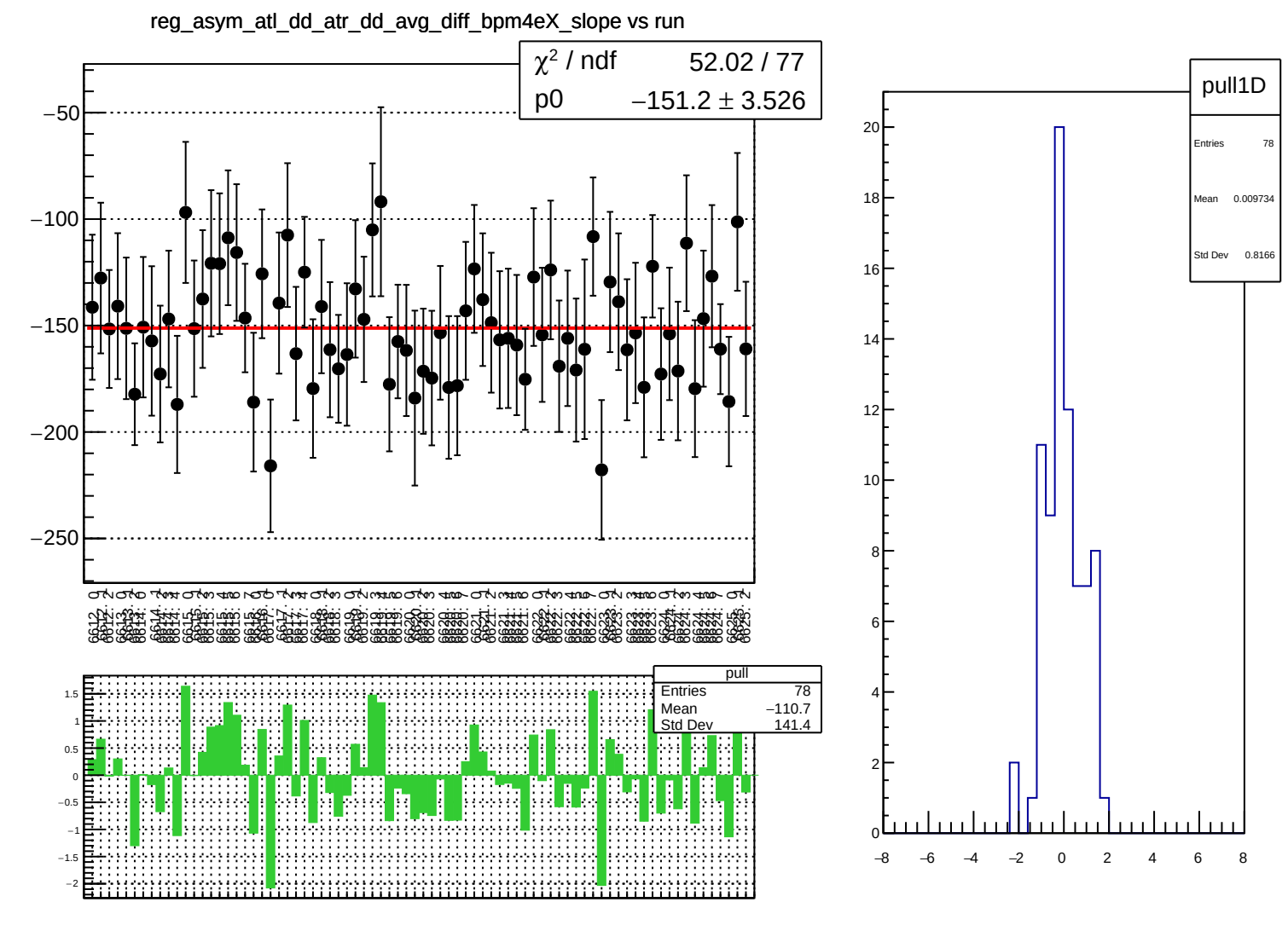

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 162.7 / 77
p0 −12.32 ± 0.1882
pull
Entries 78
Mean −110.7
Std Dev 146.1
pull1D
Entries 78
Mean −0.02729
Std Dev 1.444

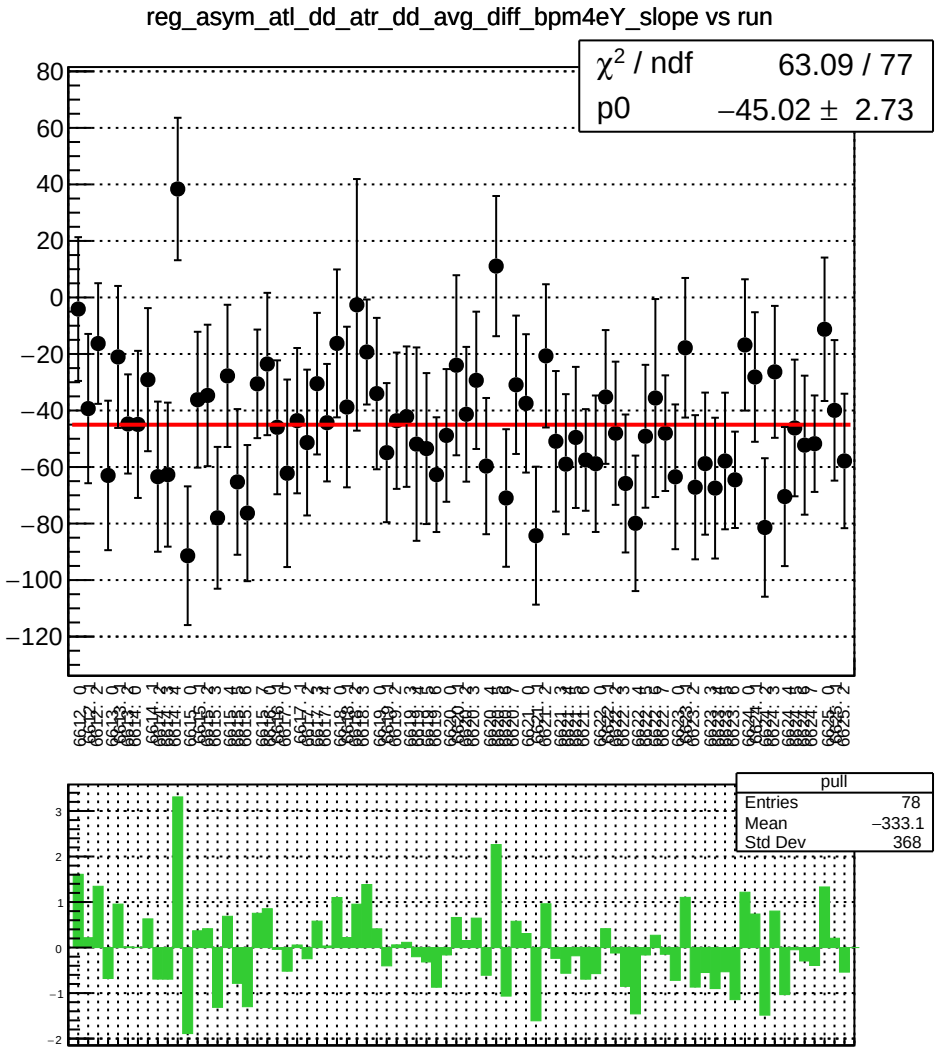

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 51.46 / 77
p0 107.8 ± 3.306
pull
Entries 78
Mean −91.09
Std Dev 115.7

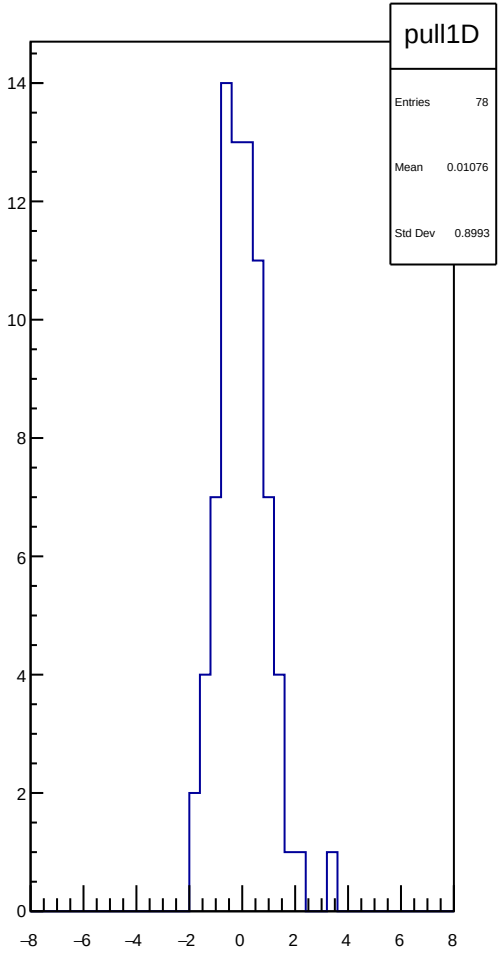

pull1D
Entries 78
Mean −0.007341
Std Dev 0.8122

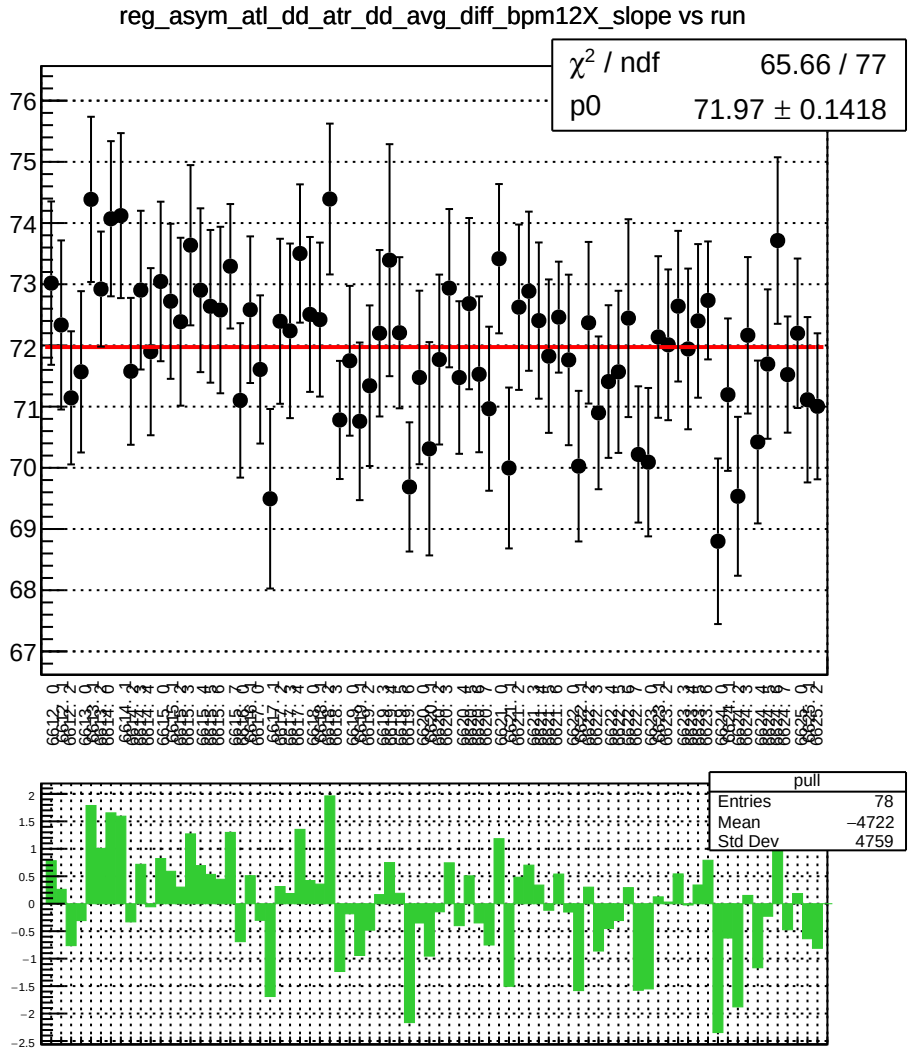

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 63.91 / 77
p0 2.834 ± 2.278
pull
Entries 78
Mean −776.2
Std Dev 810.9

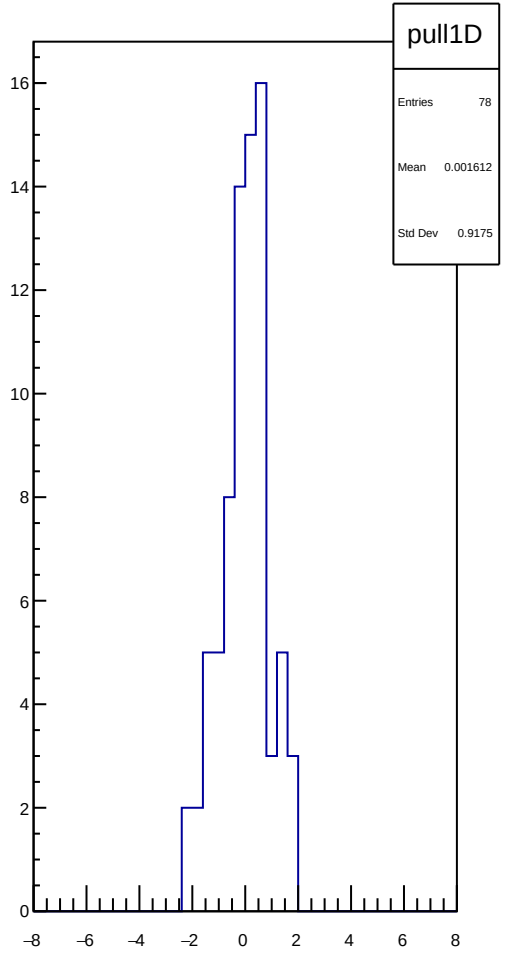

pull1D
Entries 78
Mean −0.00484
Std Dev 0.9052

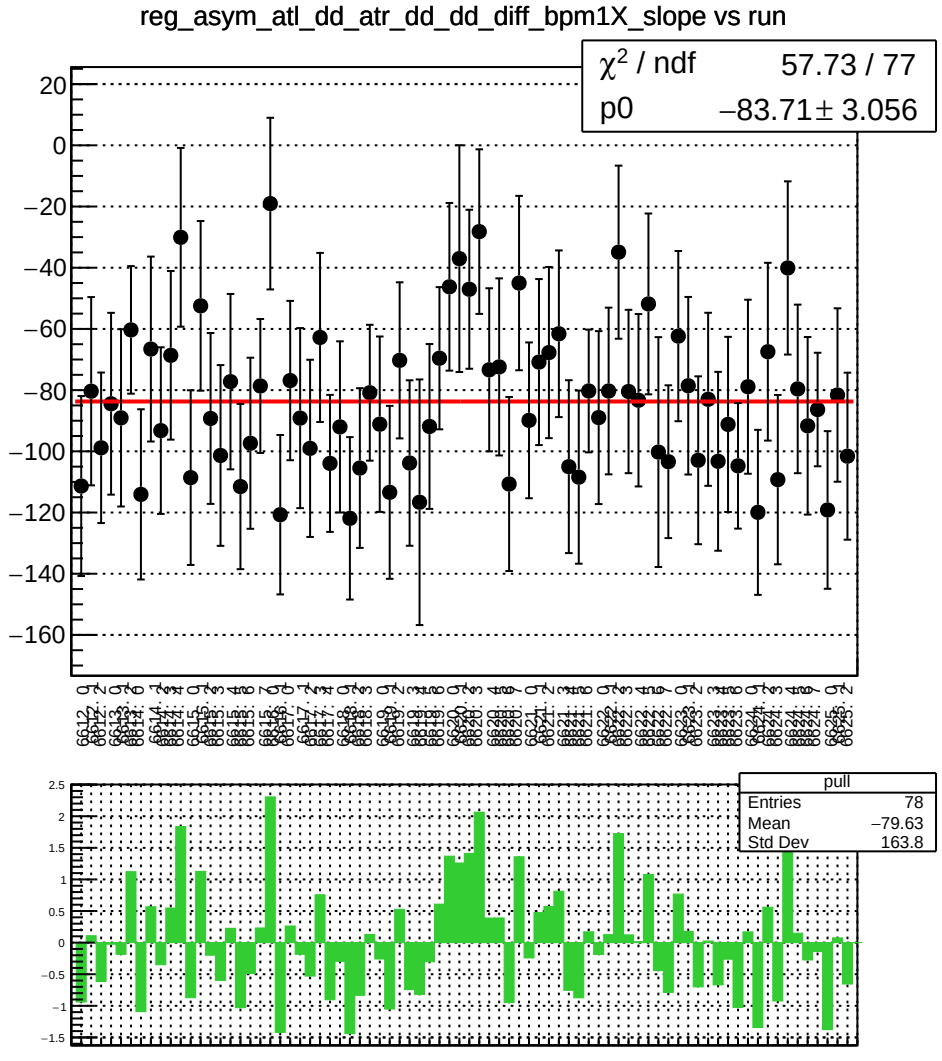

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 52.02 / 77
p0 −151.2 ± 3.526
−50
−100
−150
−200
−250
pull
Entries 78
Mean −110.7
Std Dev 141.4
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 78
Mean 0.009734
Std Dev 0.8166
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

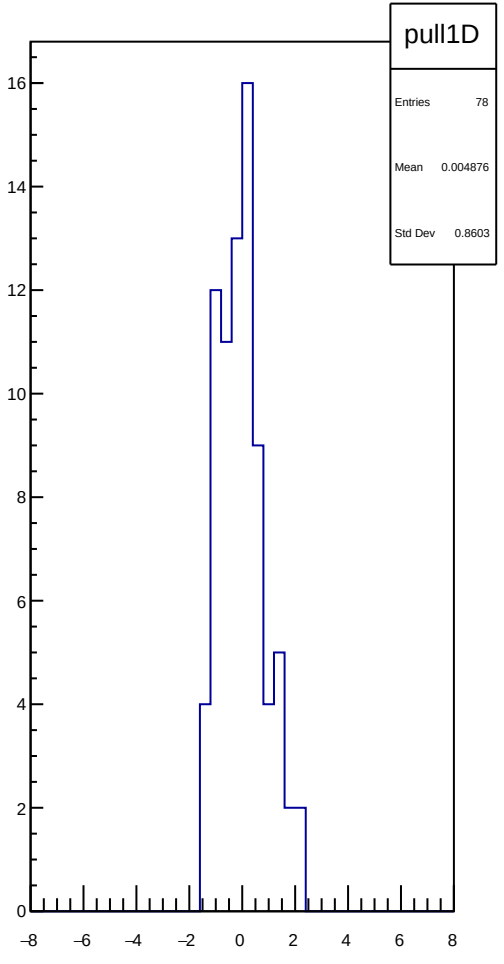

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 63.09 / 77
p0 −45.02 ± 2.73
pull
Entries 78
Mean −333.1
Std Dev 368

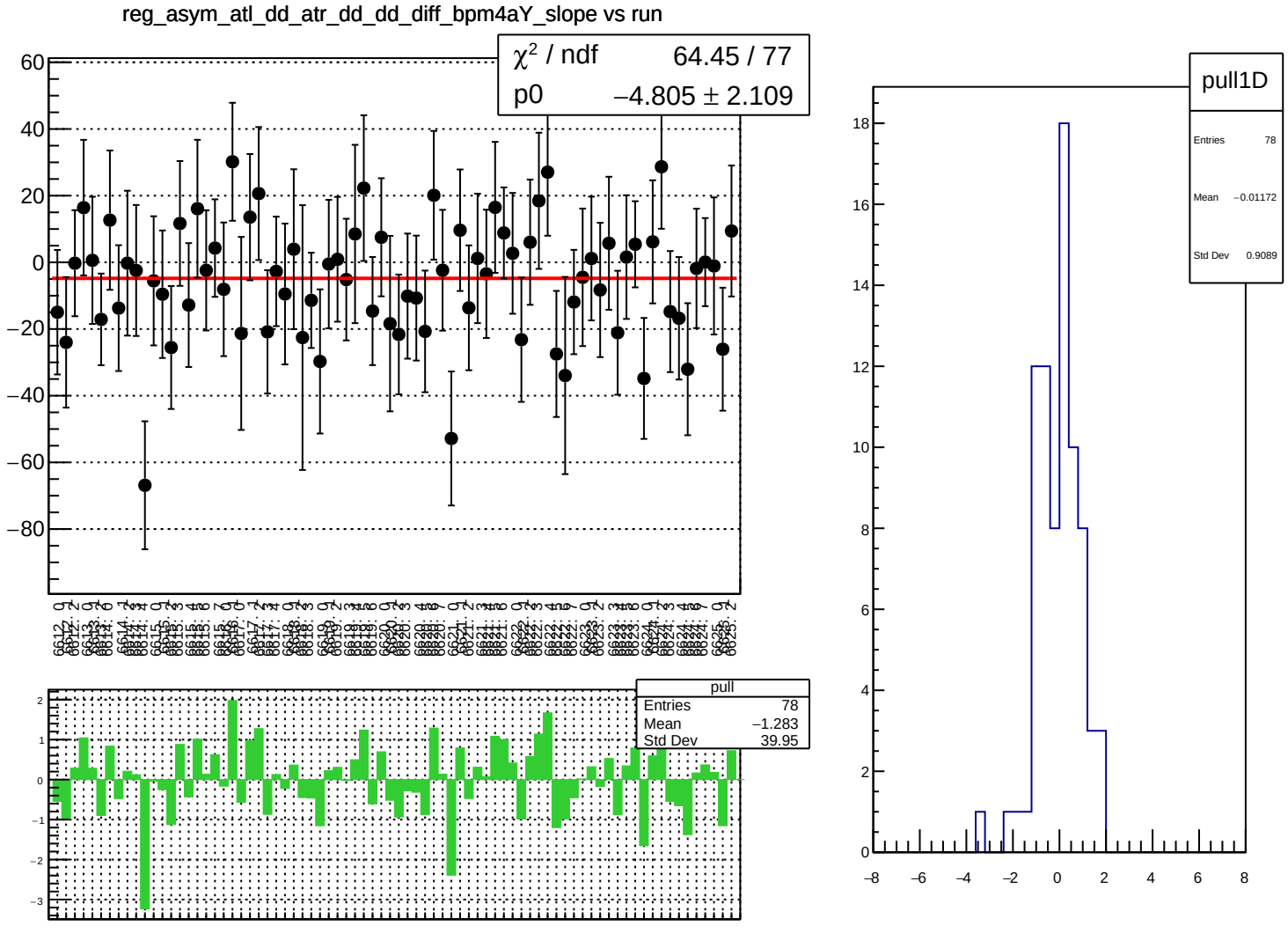

pull1D
Entries 78
Mean 0.01076
Std Dev 0.8993

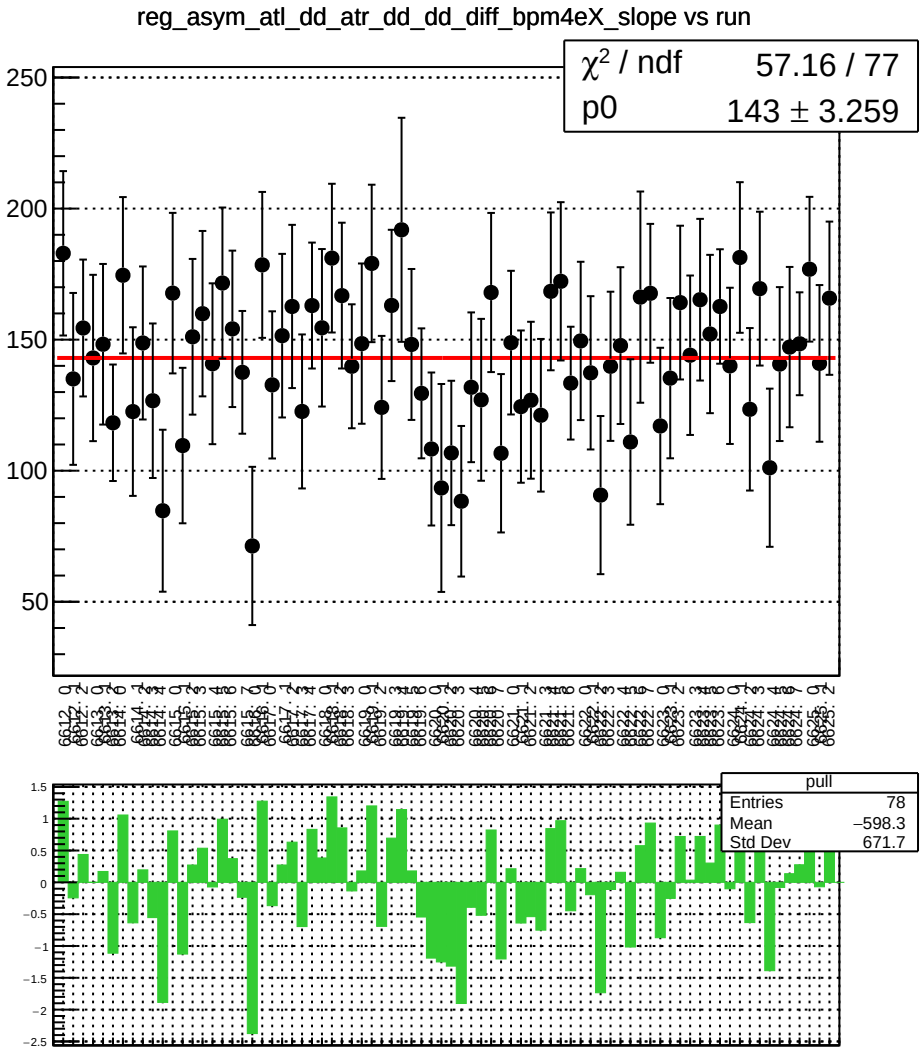

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 65.66 / 77
p0 71.97 ± 0.1418
pull
Entries 78
Mean −4722
Std Dev 4759

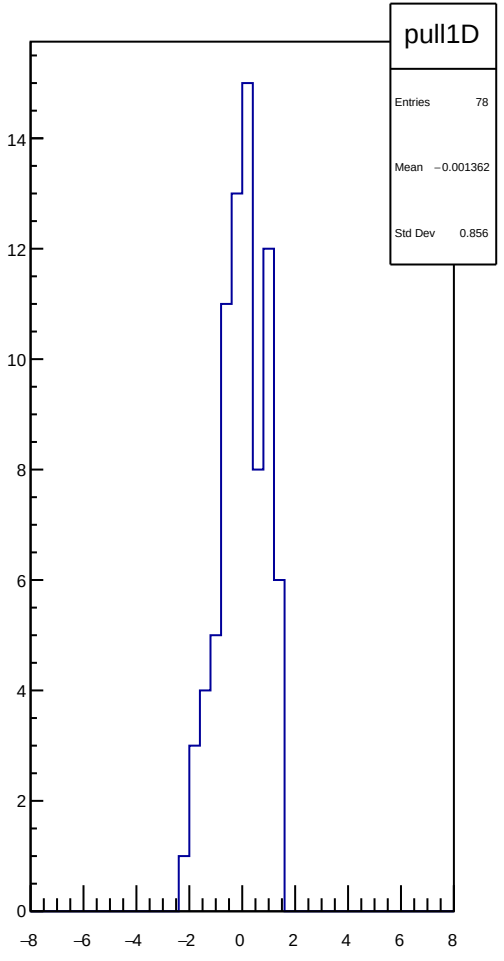

pull1D
Entries 78
Mean 0.001612
Std Dev 0.9175

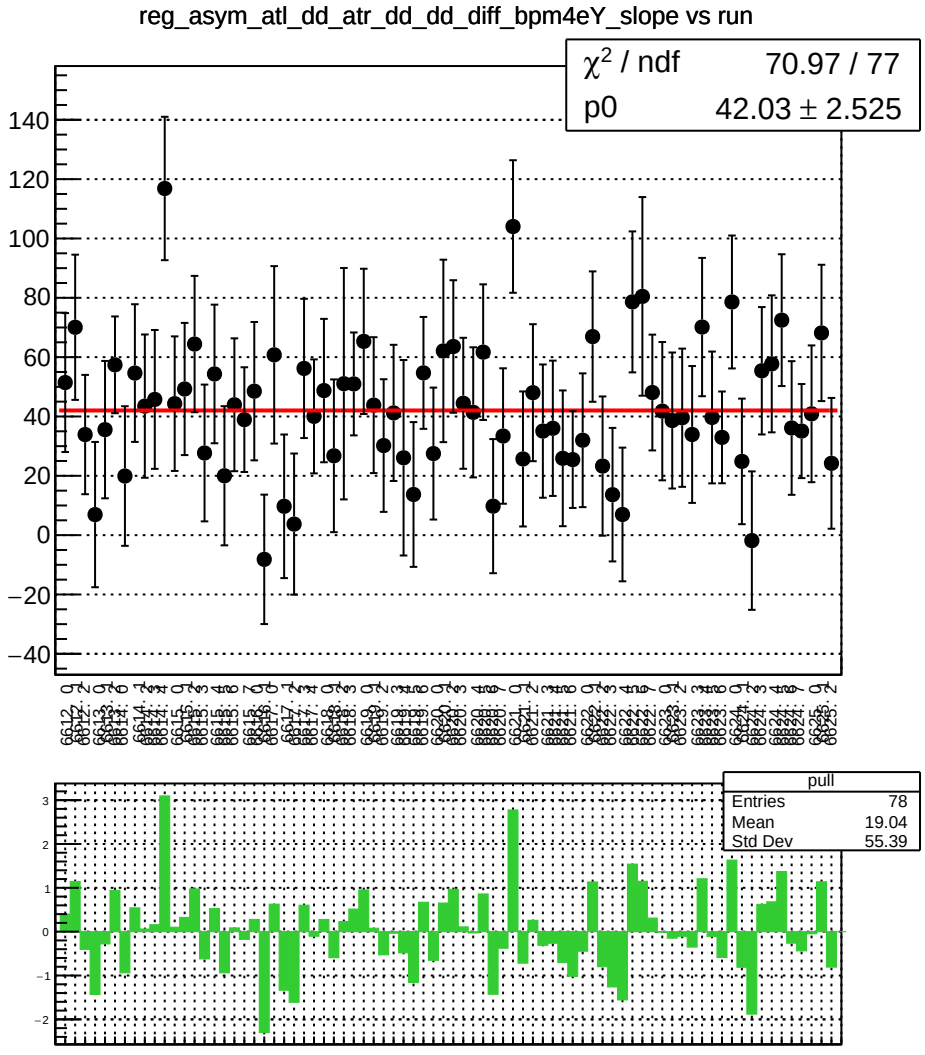

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 57.73 / 77
p0 −83.71 ± 3.056
pull
Entries 78
Mean −79.63
Std Dev 163.8

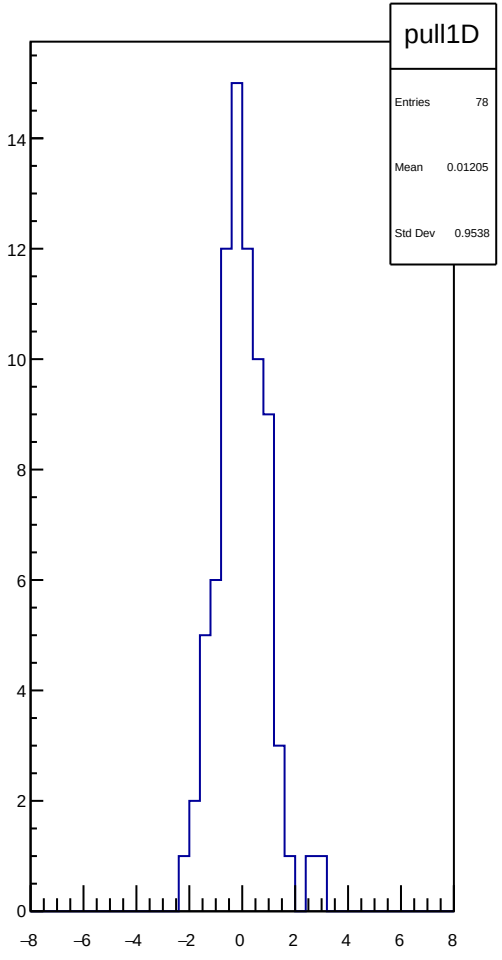

pull1D
Entries 78
Mean 0.004876
Std Dev 0.8603

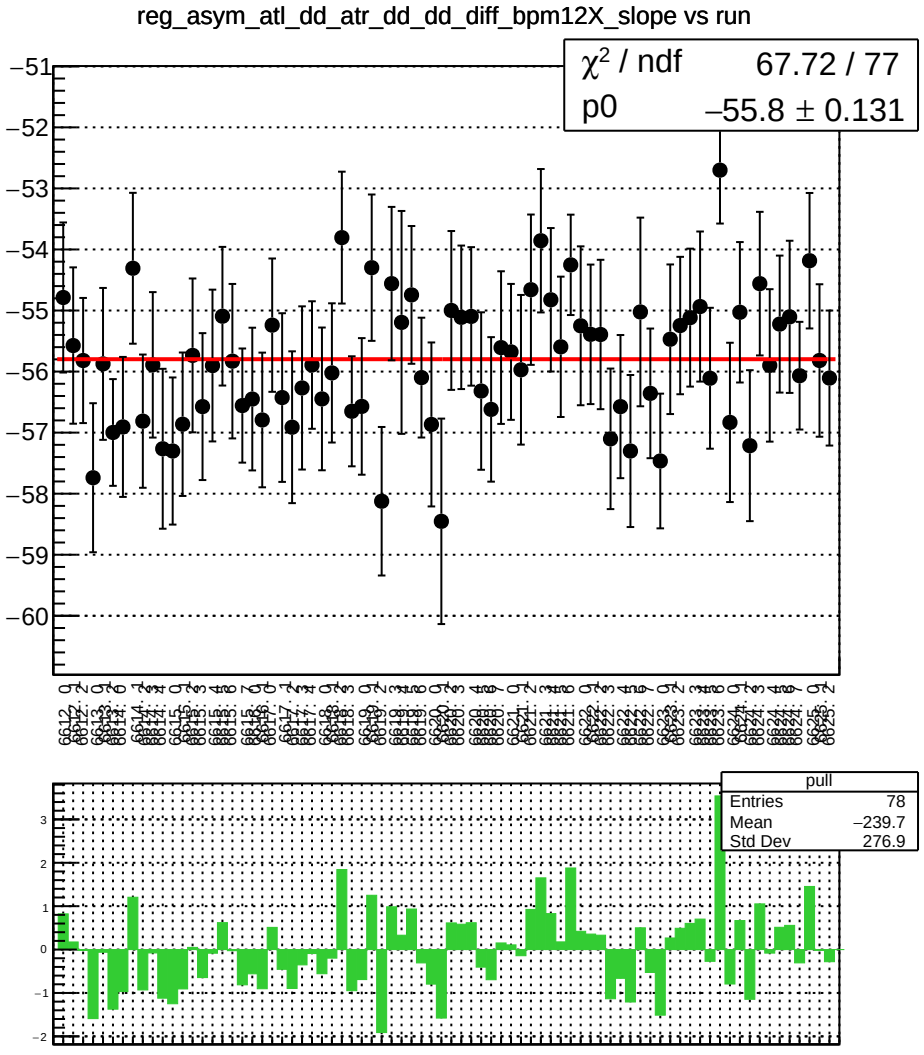

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 64.45 / 77
p0 −4.805 ± 2.109
pull
Entries 78
Mean −1.283
Std Dev 39.95
pull1D
Entries 78
Mean −0.01172
Std Dev 0.9089

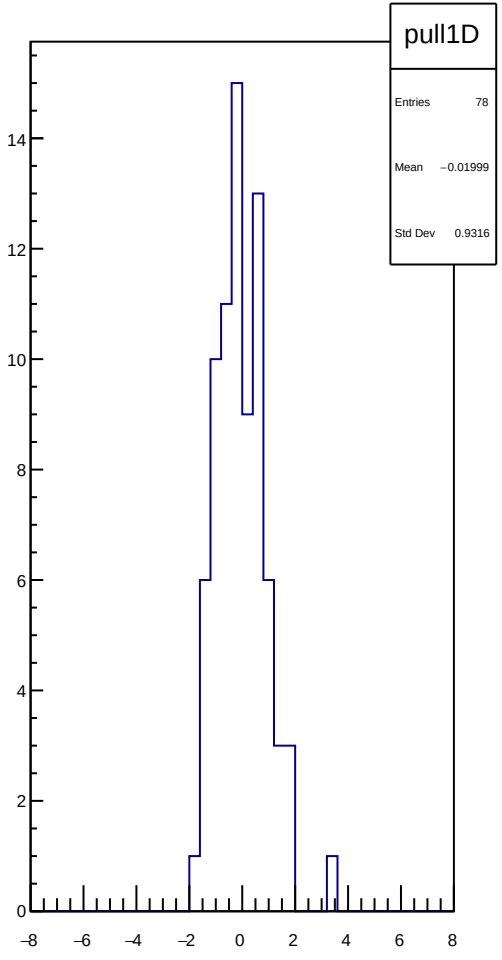

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 57.16 / 77
p0 143 ± 3.259
250
200
150
100
50
pull
Entries 78
Mean −598.3
Std Dev 671.7
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

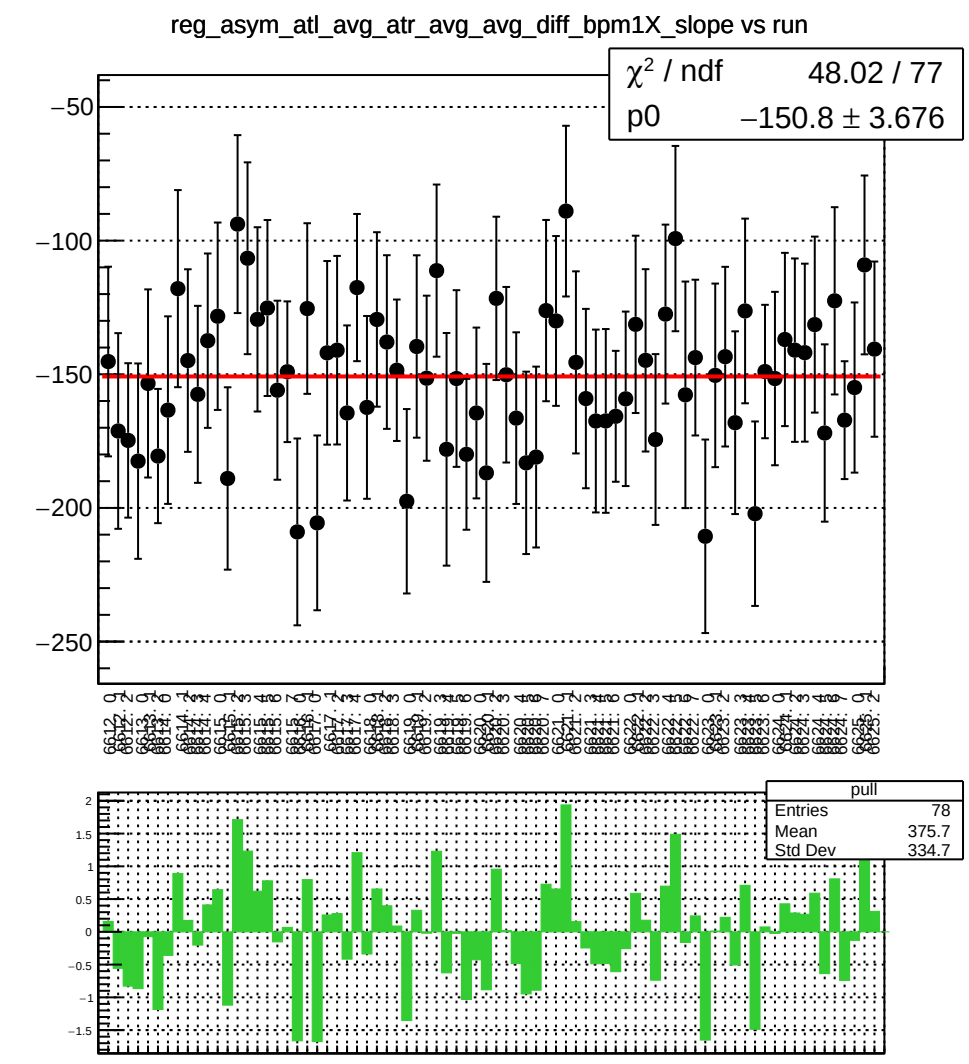

pull1D
Entries 78
Mean −0.001362
Std Dev 0.856
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

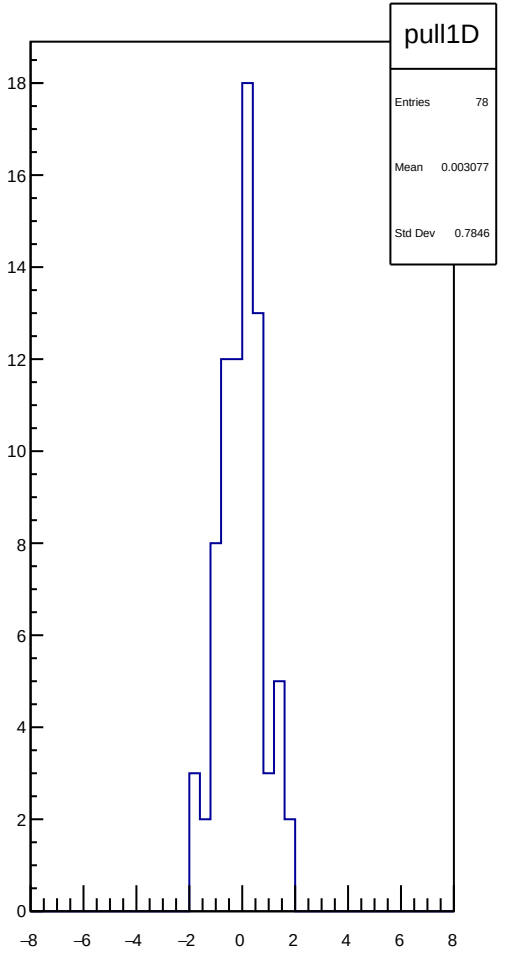

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 70.97 / 77
p0 42.03 ± 2.525
pull
Entries 78
Mean 19.04
Std Dev 55.39

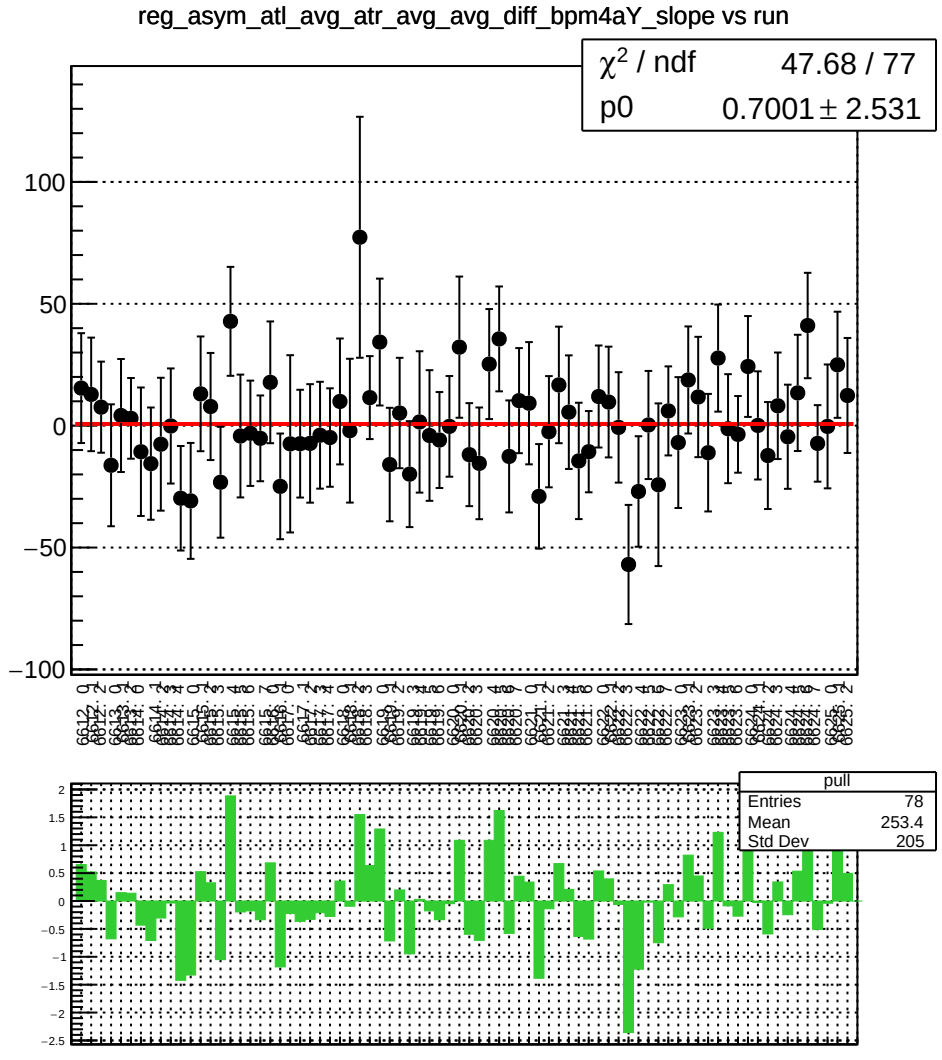

pull1D
Entries 78
Mean 0.01205
Std Dev 0.9538

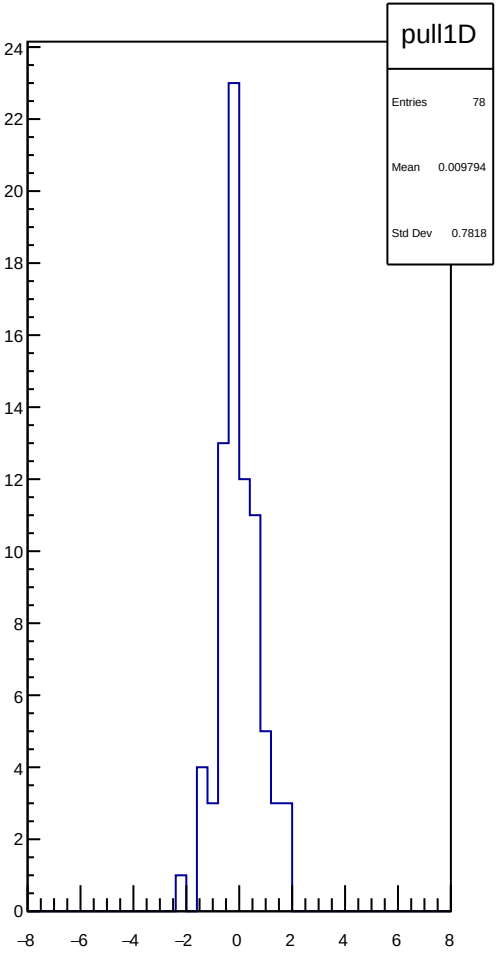

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 67.72 / 77
p0 −55.8 ± 0.131
pull
Entries 78
Mean −239.7
Std Dev 276.9

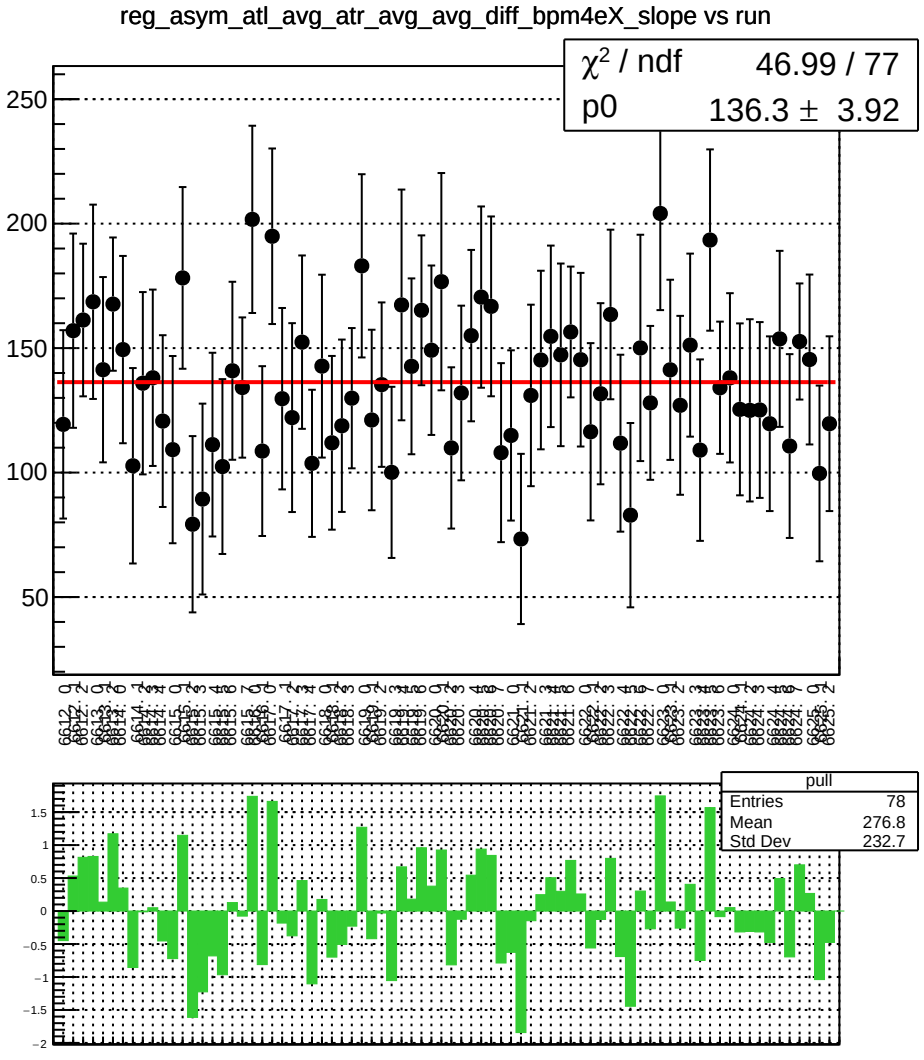

pull1D
Entries 78
Mean −0.01999
Std Dev 0.9316

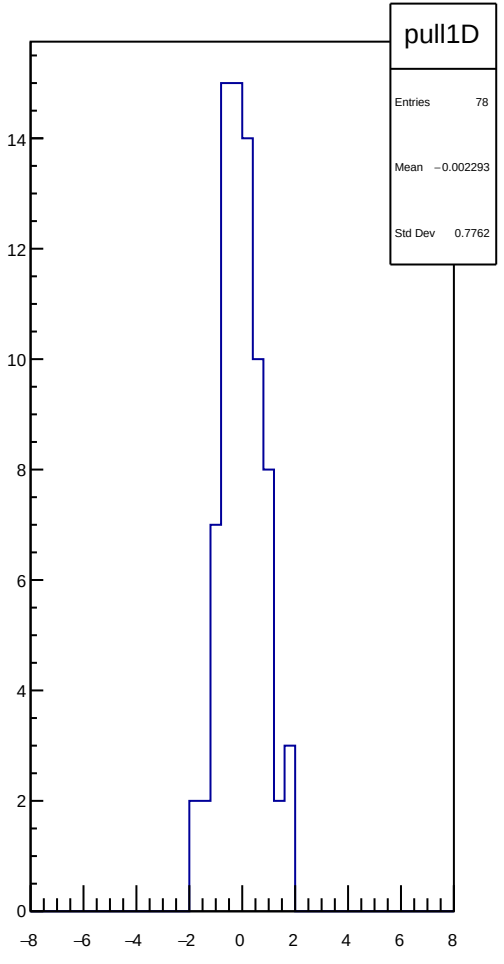

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 48.02 / 77
p0 −150.8 ± 3.676
pull
Entries 78
Mean 375.7
Std Dev 334.7

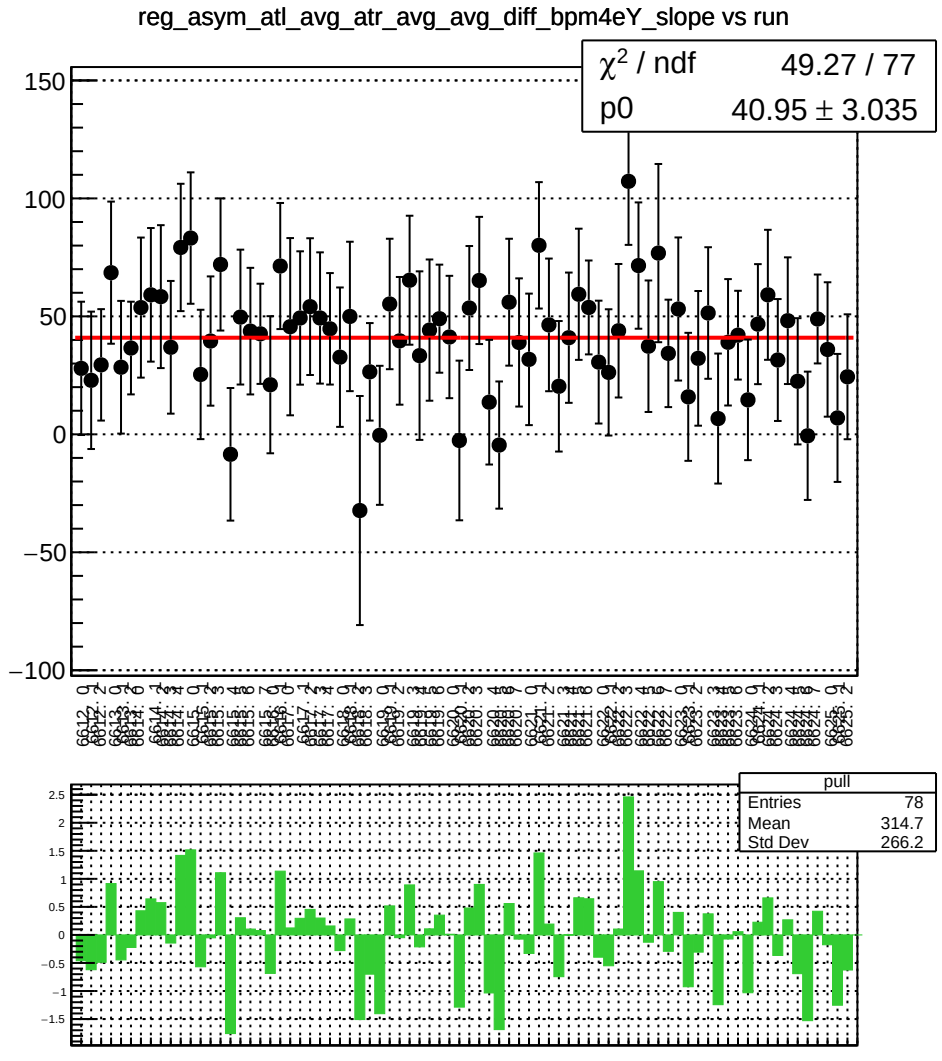

pull1D
Entries 78
Mean 0.003077
Std Dev 0.7846

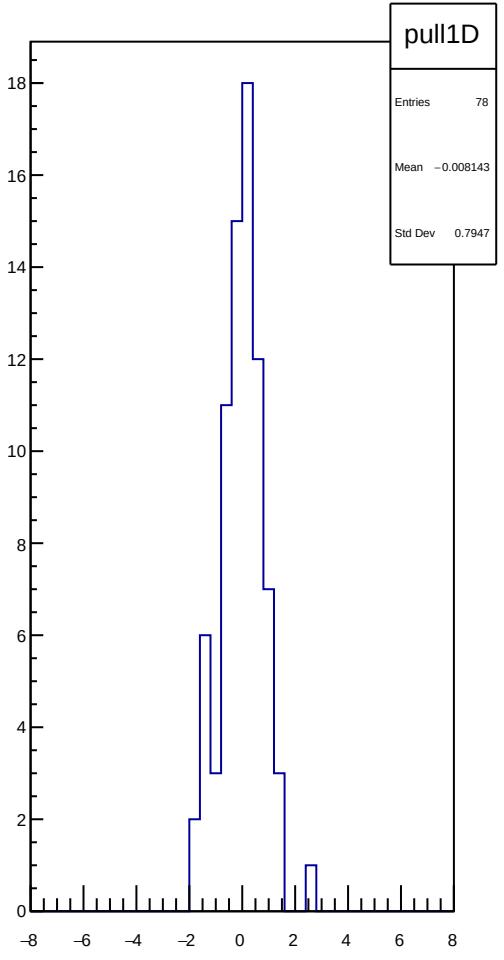

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 47.68 / 77
p0 0.7001 ± 2.531
pull
Entries 78
Mean 253.4
Std Dev 205

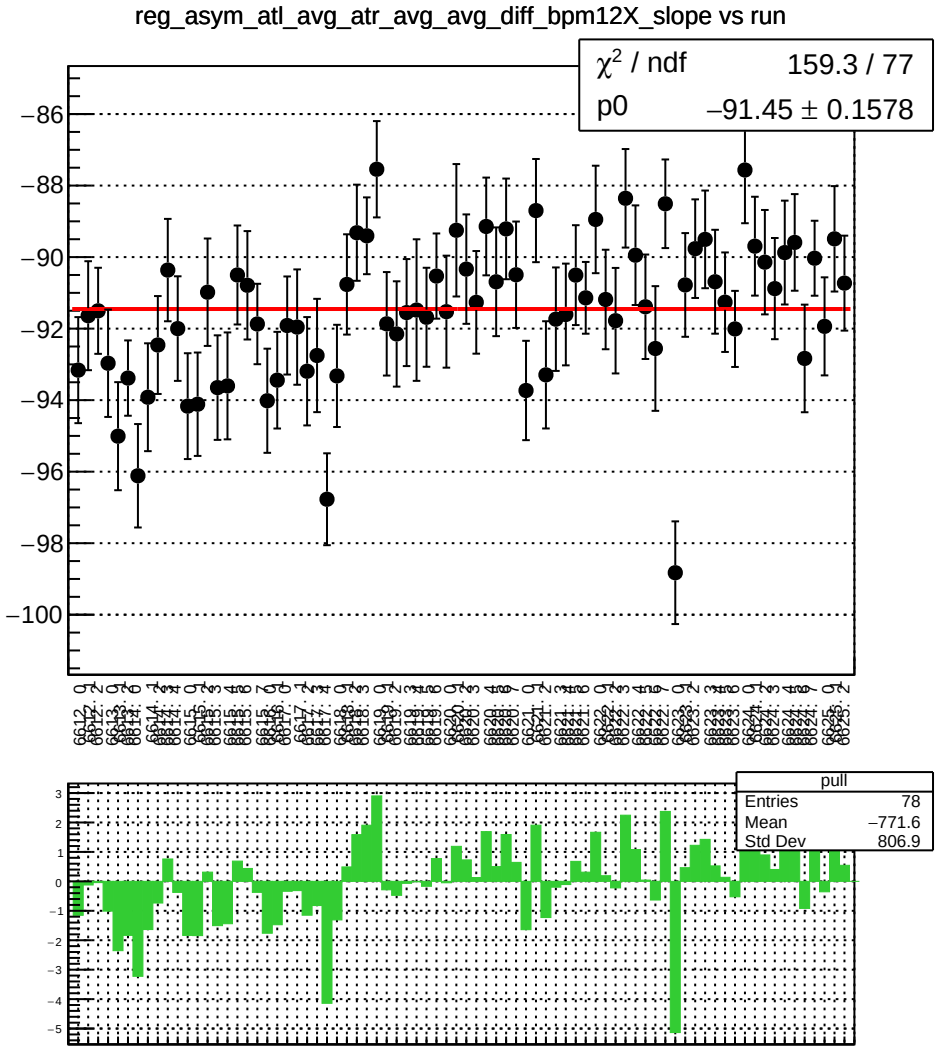

pull1D
Entries 78
Mean 0.009794
Std Dev 0.7818

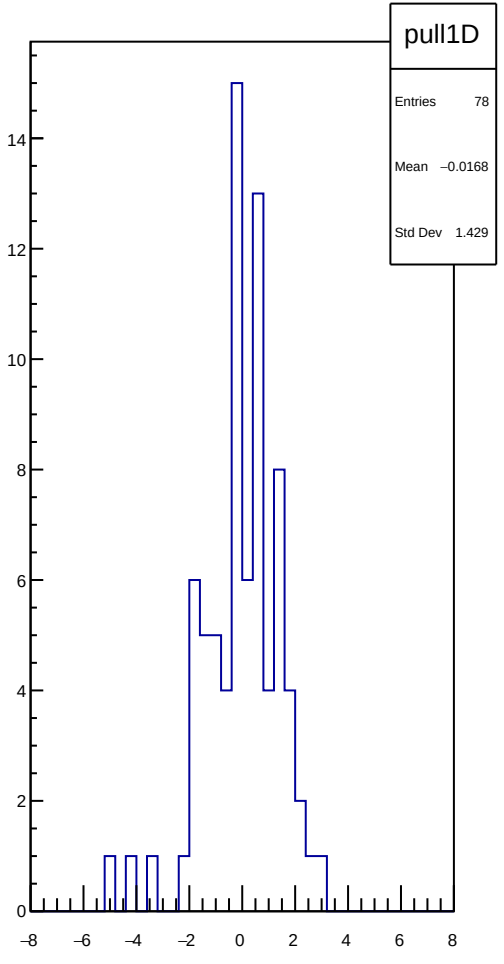

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 46.99 / 77
p0 136.3 ± 3.92
pull
Entries 78
Mean 276.8
Std Dev 232.7

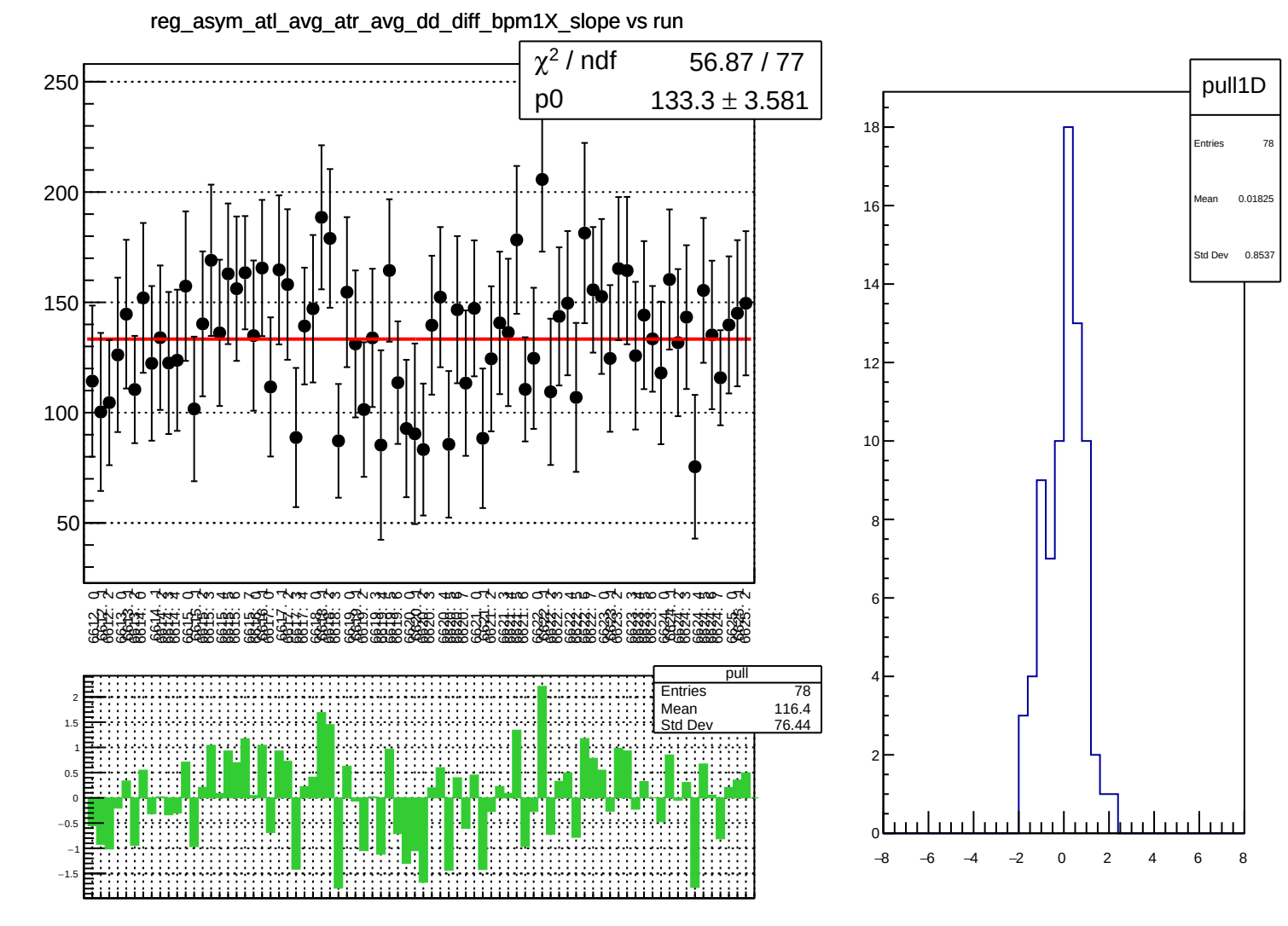

pull1D
Entries 78
Mean −0.002293
Std Dev 0.7762

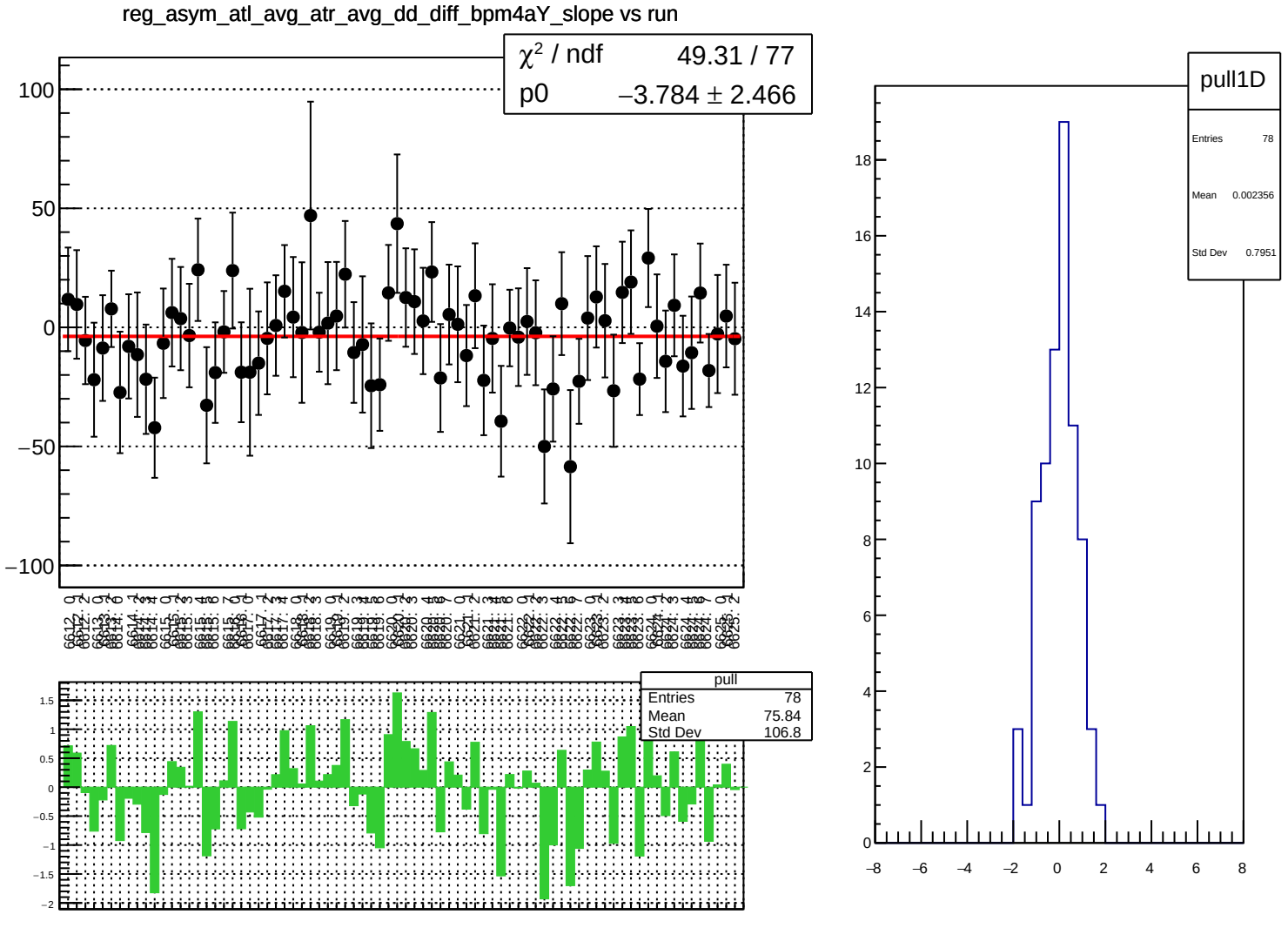

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 49.27 / 77
p0 40.95 ± 3.035
150
100
50
0
−50
−100
pull
Entries 78
Mean 314.7
Std Dev 266.2
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

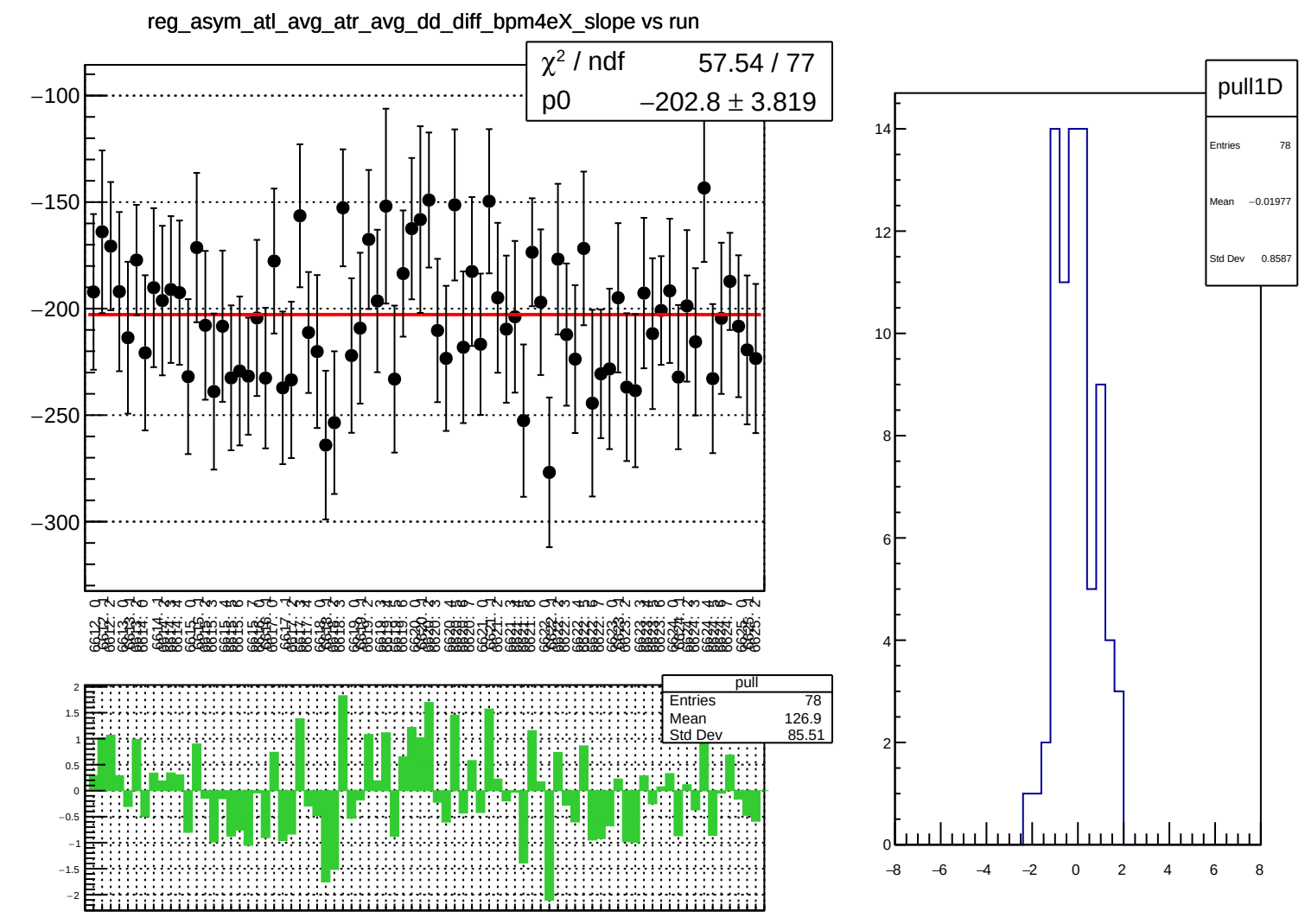

pull1D
Entries 78
Mean −0.008143
Std Dev 0.7947
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

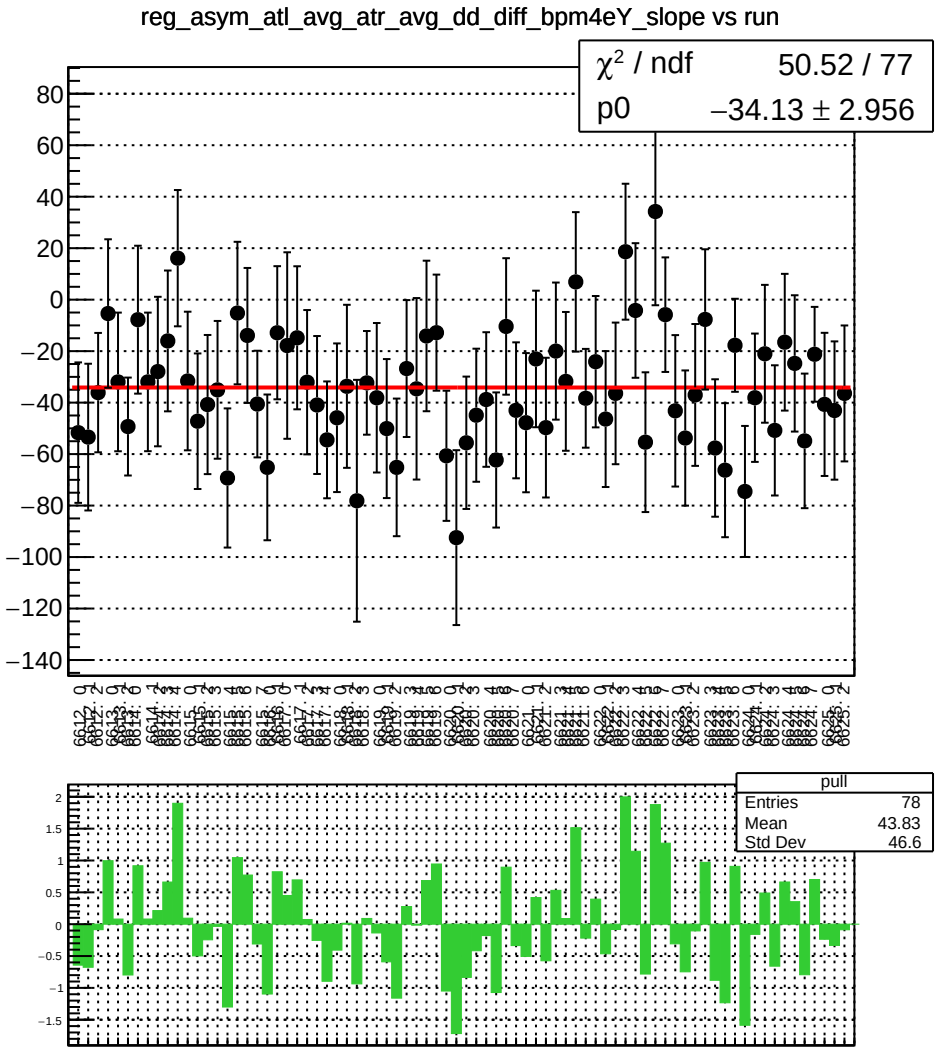

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 159.3 / 77
p0 −91.45 ± 0.1578
pull
Entries 78
Mean −771.6
Std Dev 806.9

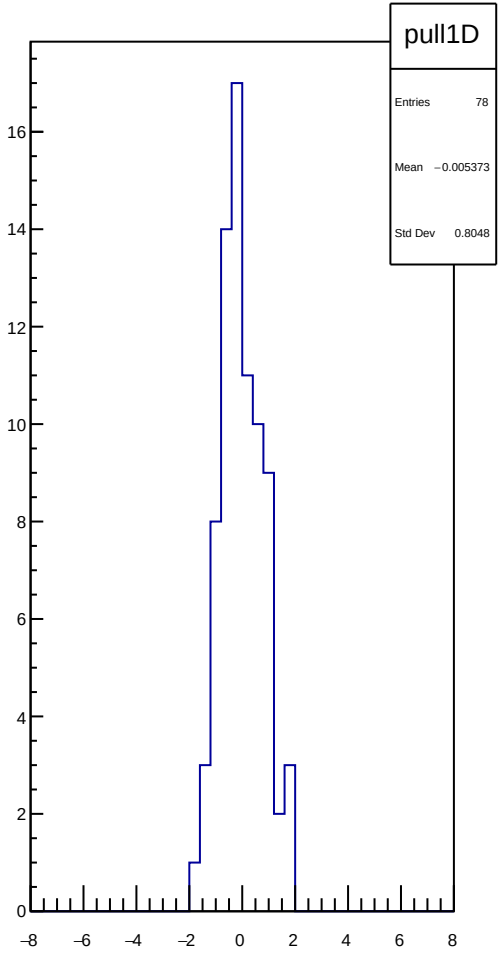

pull1D
Entries 78
Mean −0.0168
Std Dev 1.429

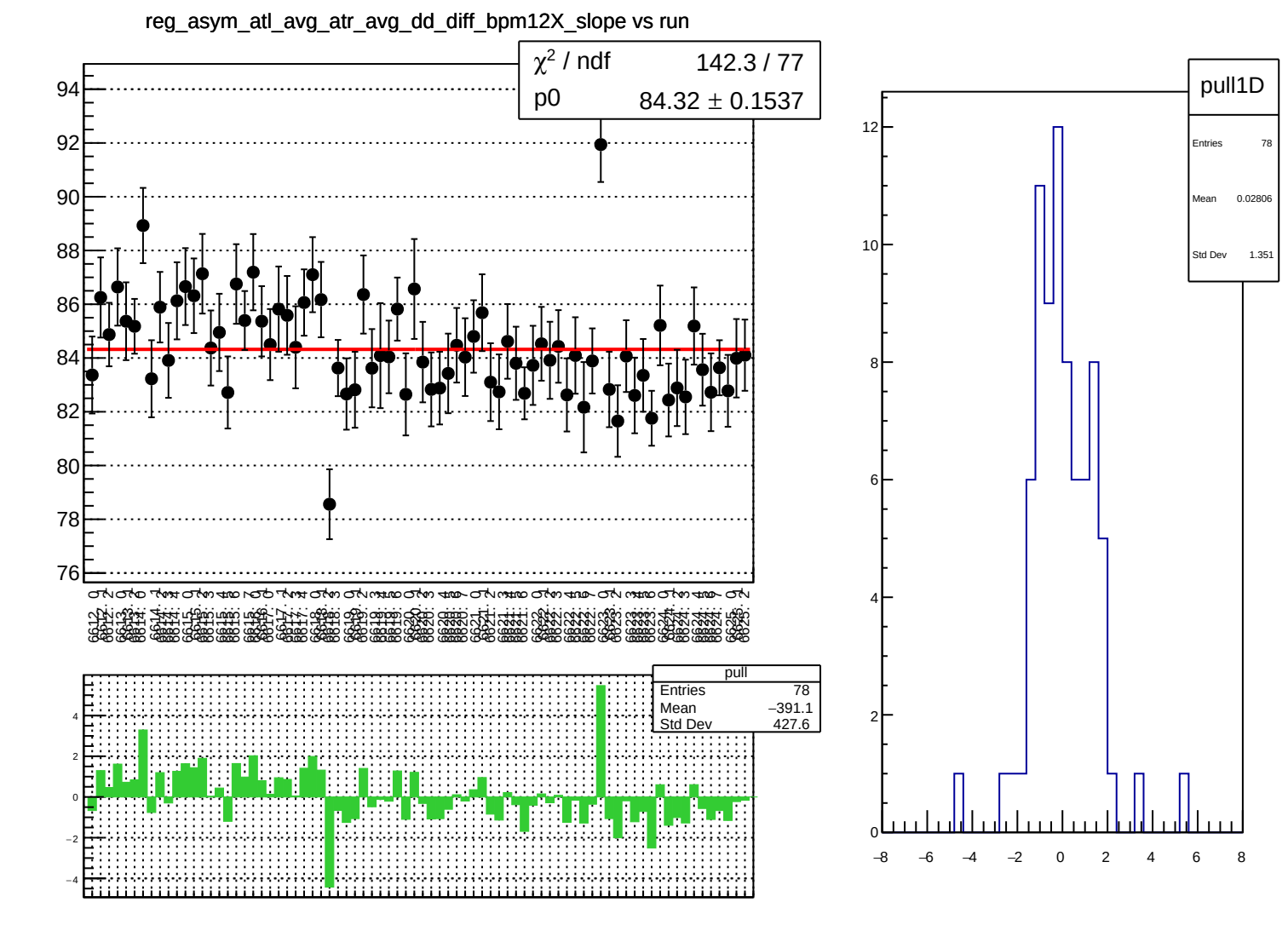

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 56.87 / 77
p0 133.3 ± 3.581
250
200
150
100
50
pull
Entries 78
Mean 116.4
Std Dev 76.44
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 78
Mean 0.01825
Std Dev 0.8537
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

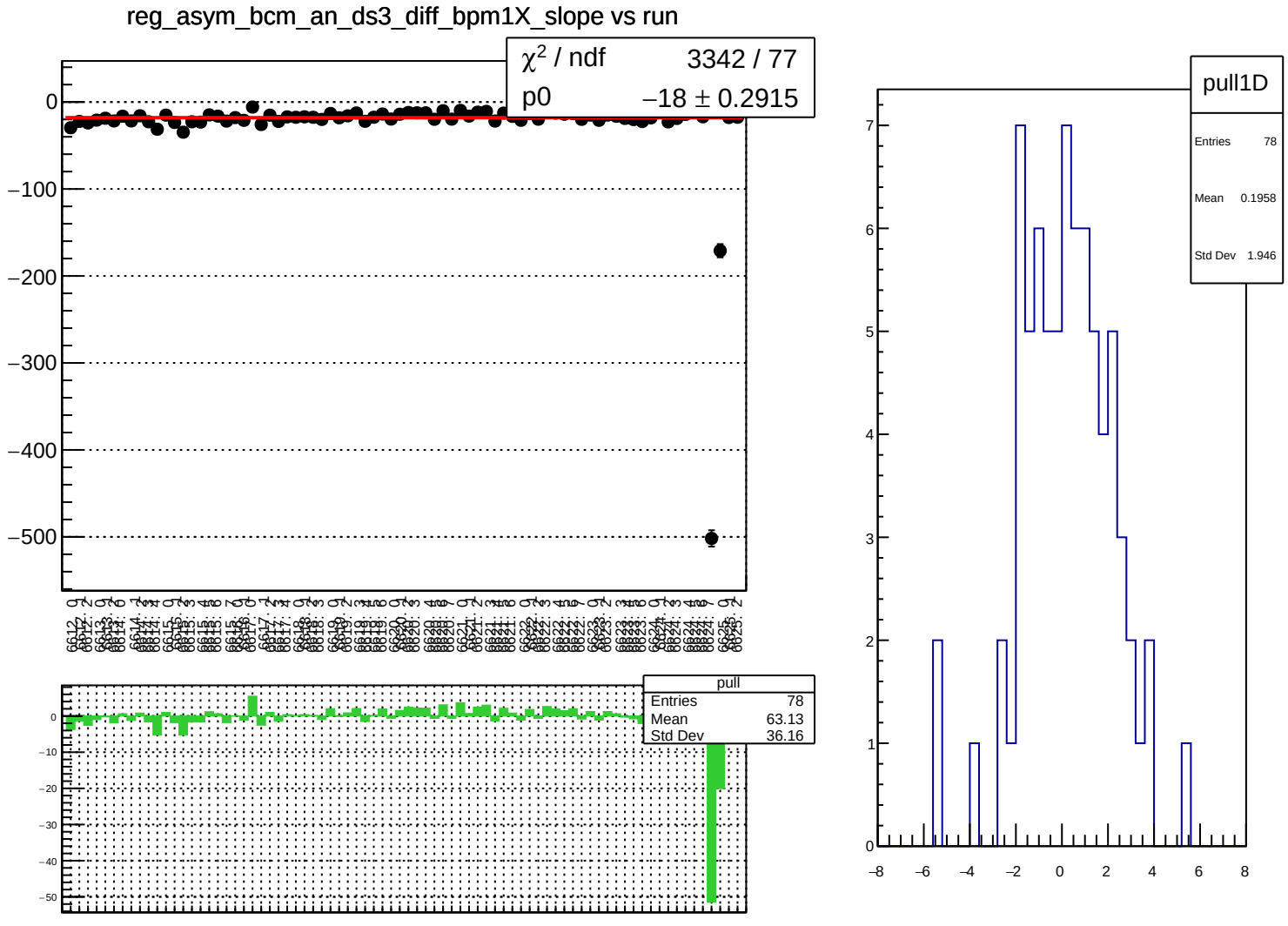

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 49.31 / 77
p0 −3.784 ± 2.466
pull
Entries 78
Mean 75.84
Std Dev 106.8
pull1D
Entries 78
Mean 0.002356
Std Dev 0.7951

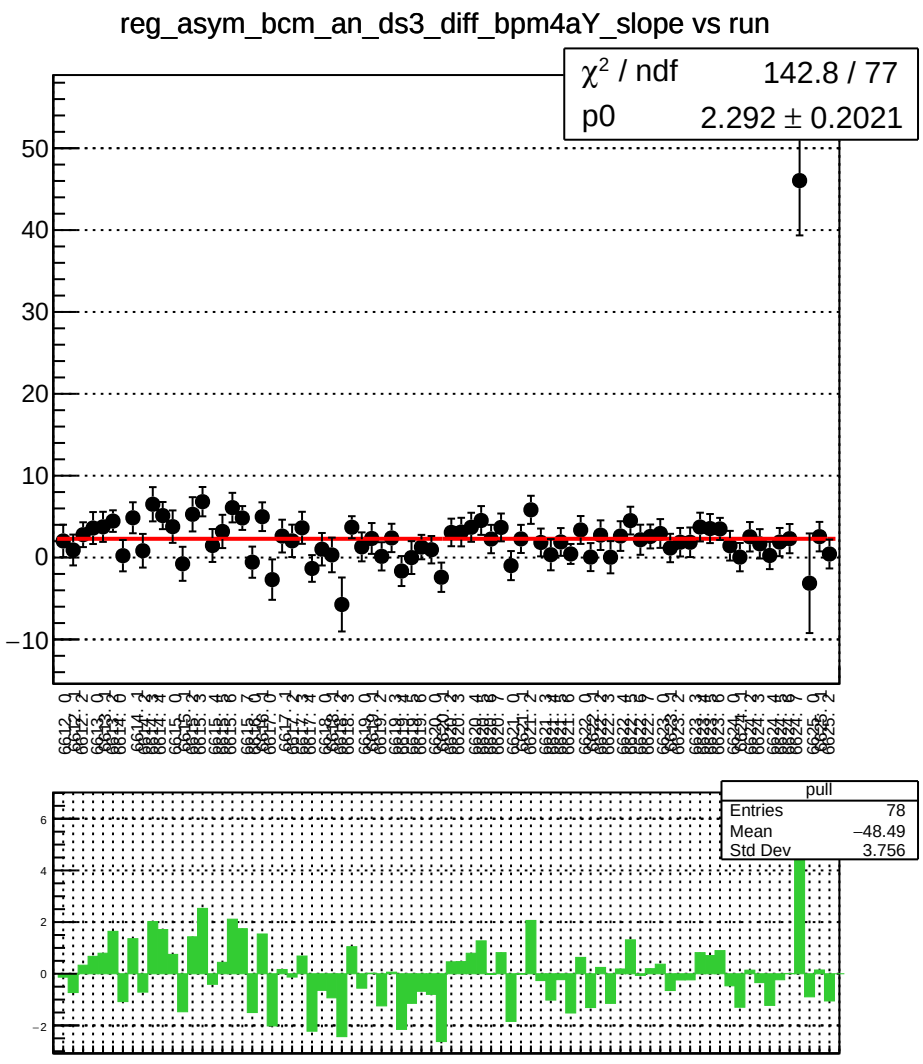

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 57.54 / 77
p0 −202.8 ± 3.819
−100
−150
−200
−250
−300
pull
Entries 78
Mean 126.9
Std Dev 85.51
pull1D
Entries 78
Mean −0.01977
Std Dev 0.8587

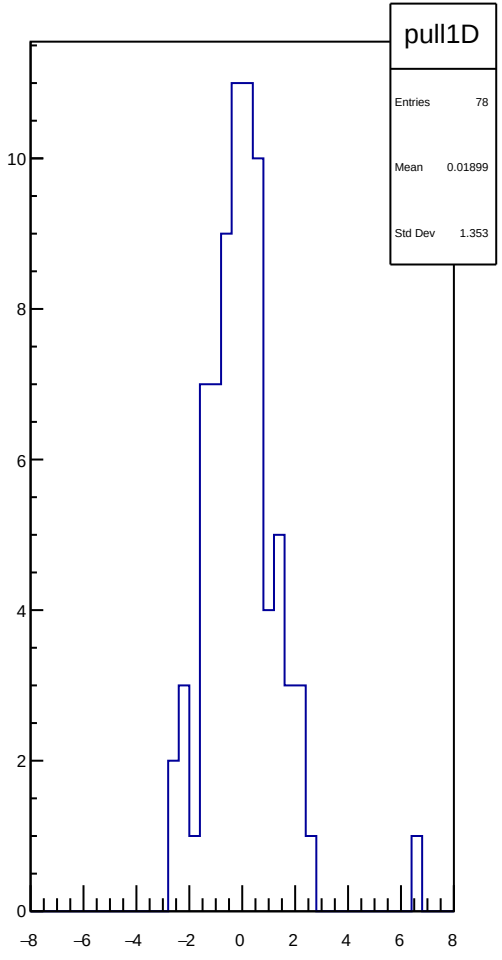

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 50.52 / 77
p0 −34.13 ± 2.956
pull
Entries 78
Mean 43.83
Std Dev 46.6

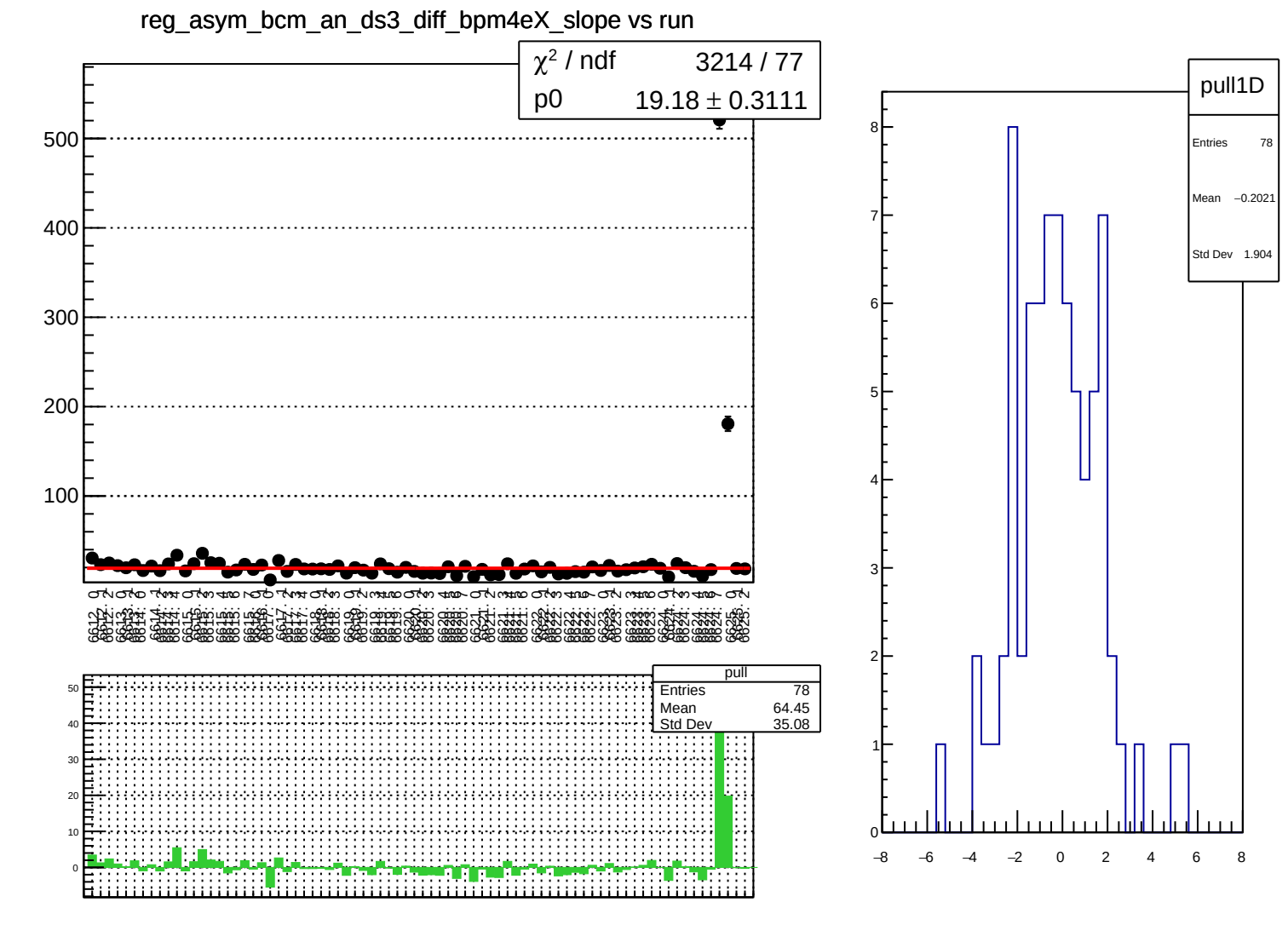

pull1D
Entries 78
Mean −0.005373
Std Dev 0.8048

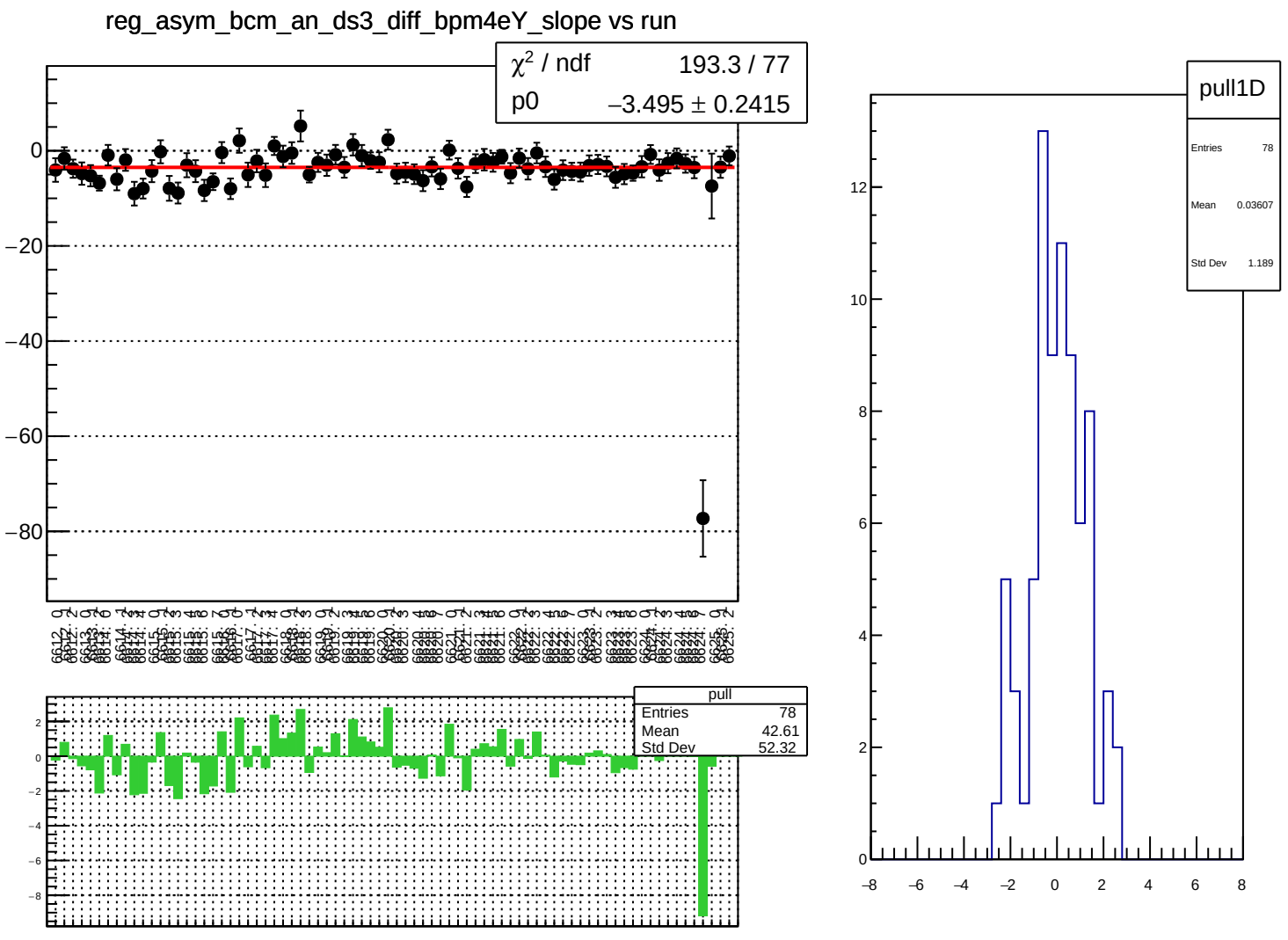

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 142.3 / 77
p0 84.32 ± 0.1537
pull
Entries 78
Mean −391.1
Std Dev 427.6
pull1D
Entries 78
Mean 0.02806
Std Dev 1.351

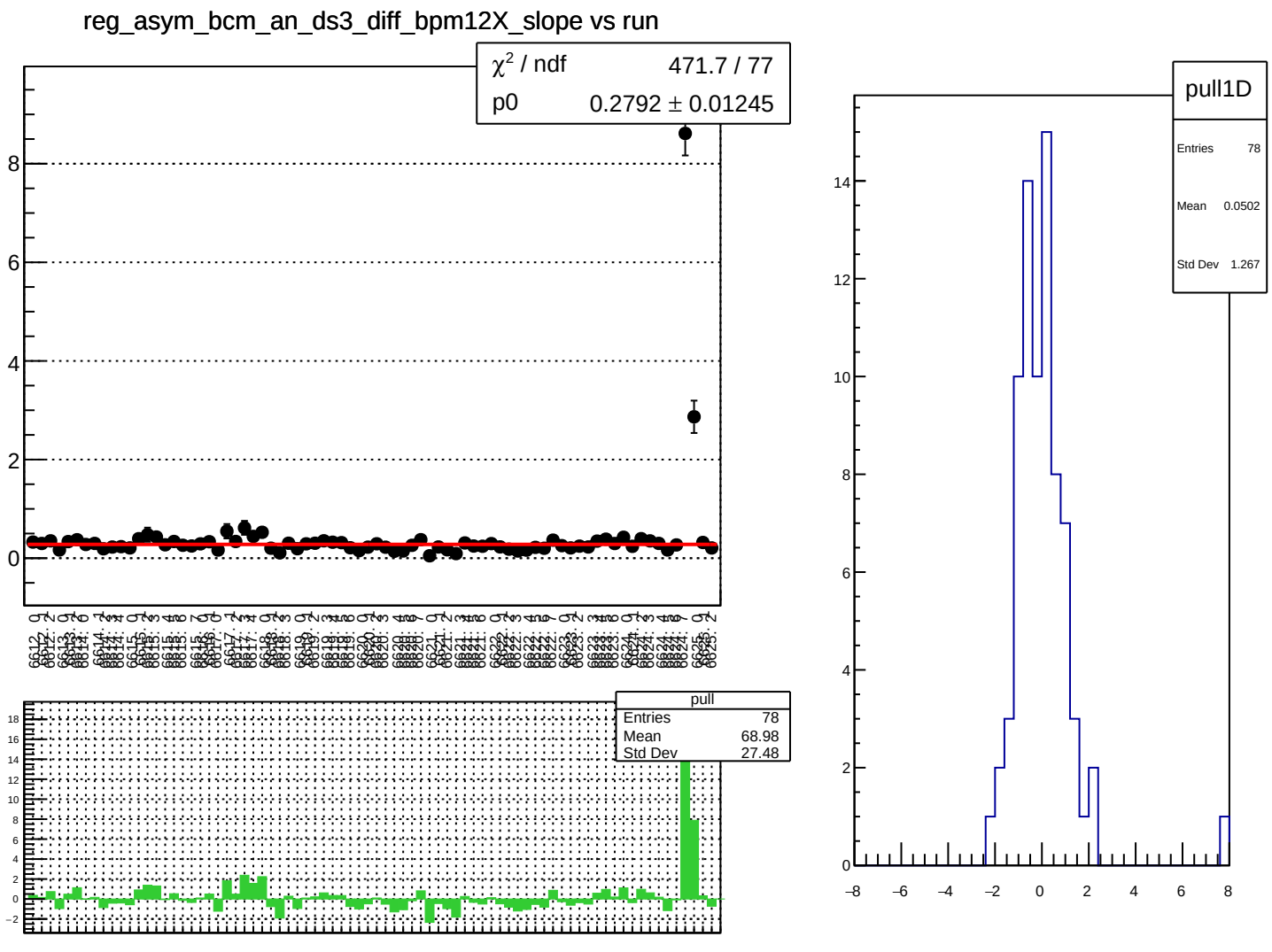

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 3342 / 77
p0 −18 ± 0.2915
pull
Entries 78
Mean 63.13
Std Dev 36.16
pull1D
Entries 78
Mean 0.1958
Std Dev 1.946

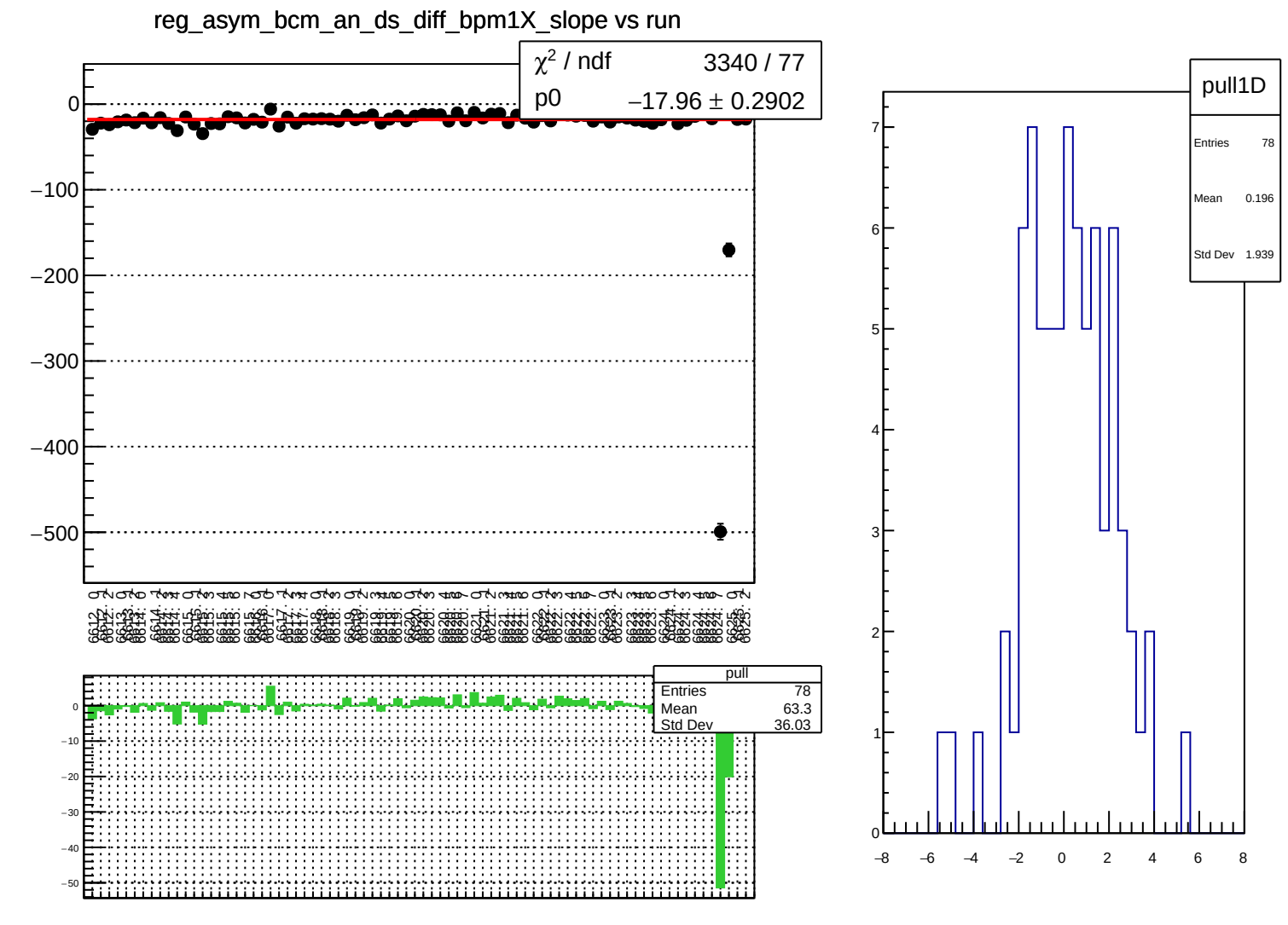

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 142.8 / 77
p0 2.292 ± 0.2021
pull
Entries 78
Mean −48.49
Std Dev 3.756

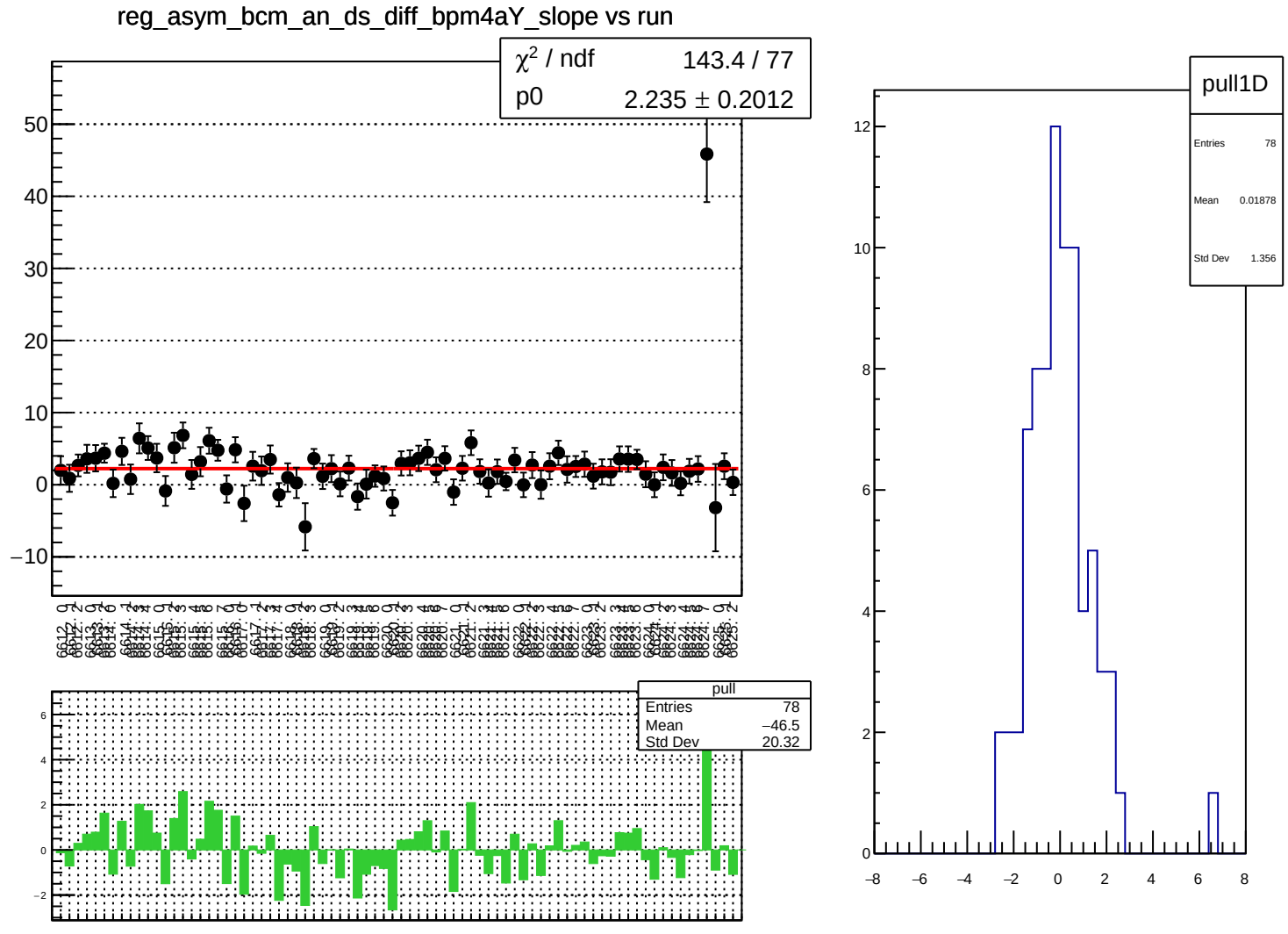

pull1D
Entries 78
Mean 0.01899
Std Dev 1.353

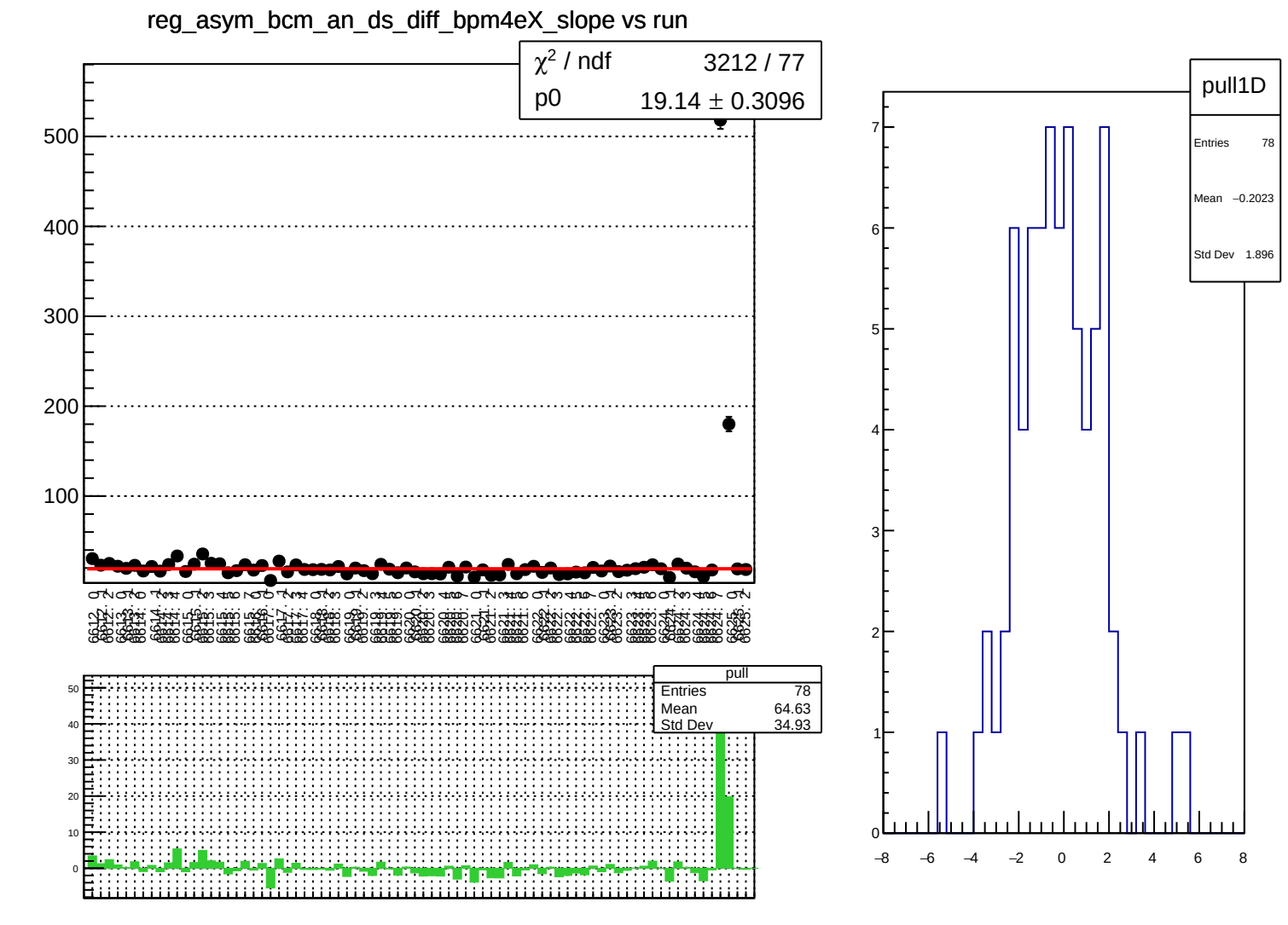

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 3214 / 77
p0 19.18 ± 0.3111
pull
Entries 78
Mean 64.45
Std Dev 35.08
pull1D
Entries 78
Mean −0.2021
Std Dev 1.904

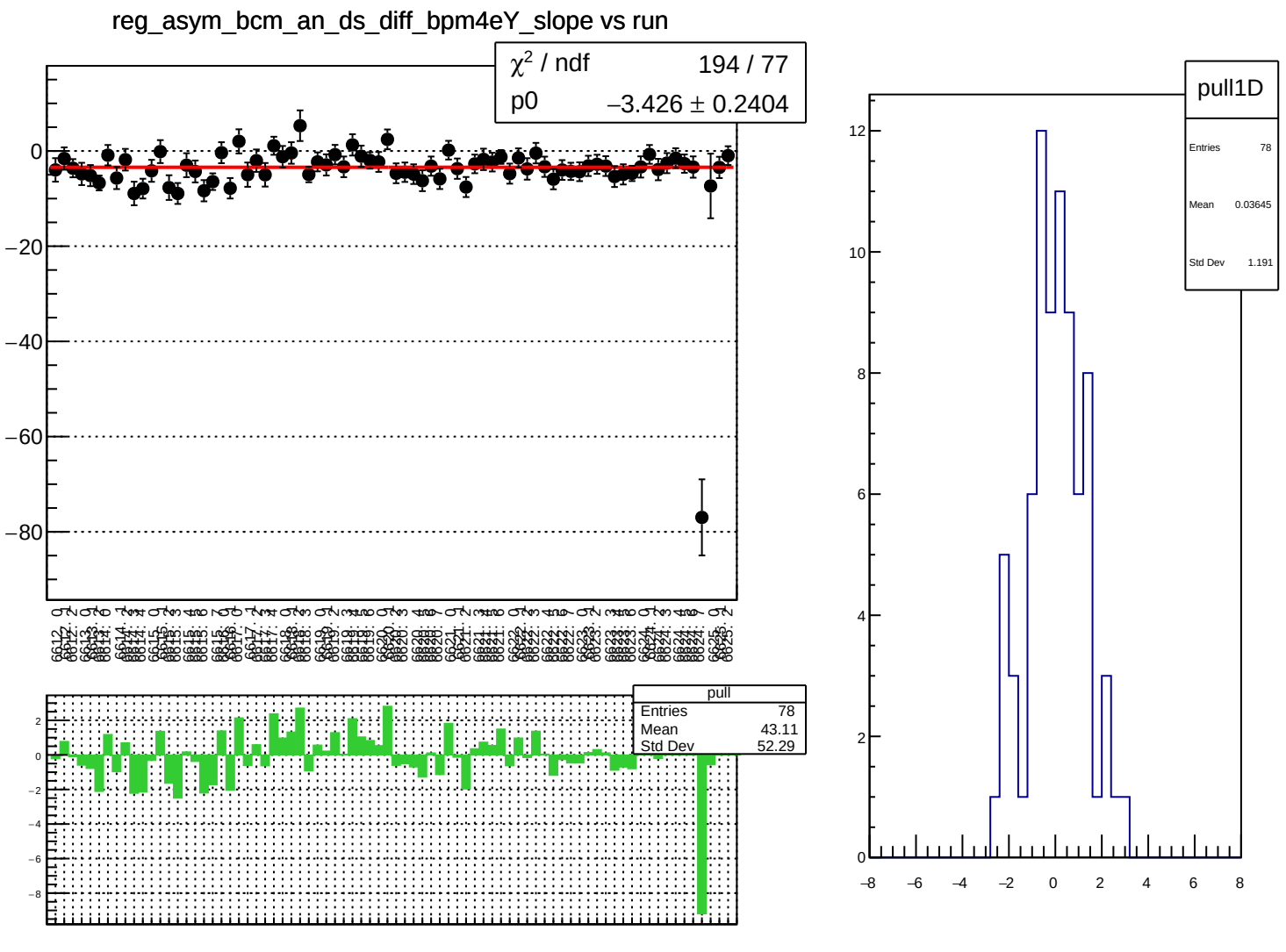

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 193.3 / 77
p0 −3.495 ± 0.2415
0
−20
−40
−60
−80
pull
Entries 78
Mean 42.61
Std Dev 52.32
pull1D
Entries 78
Mean 0.03607
Std Dev 1.189

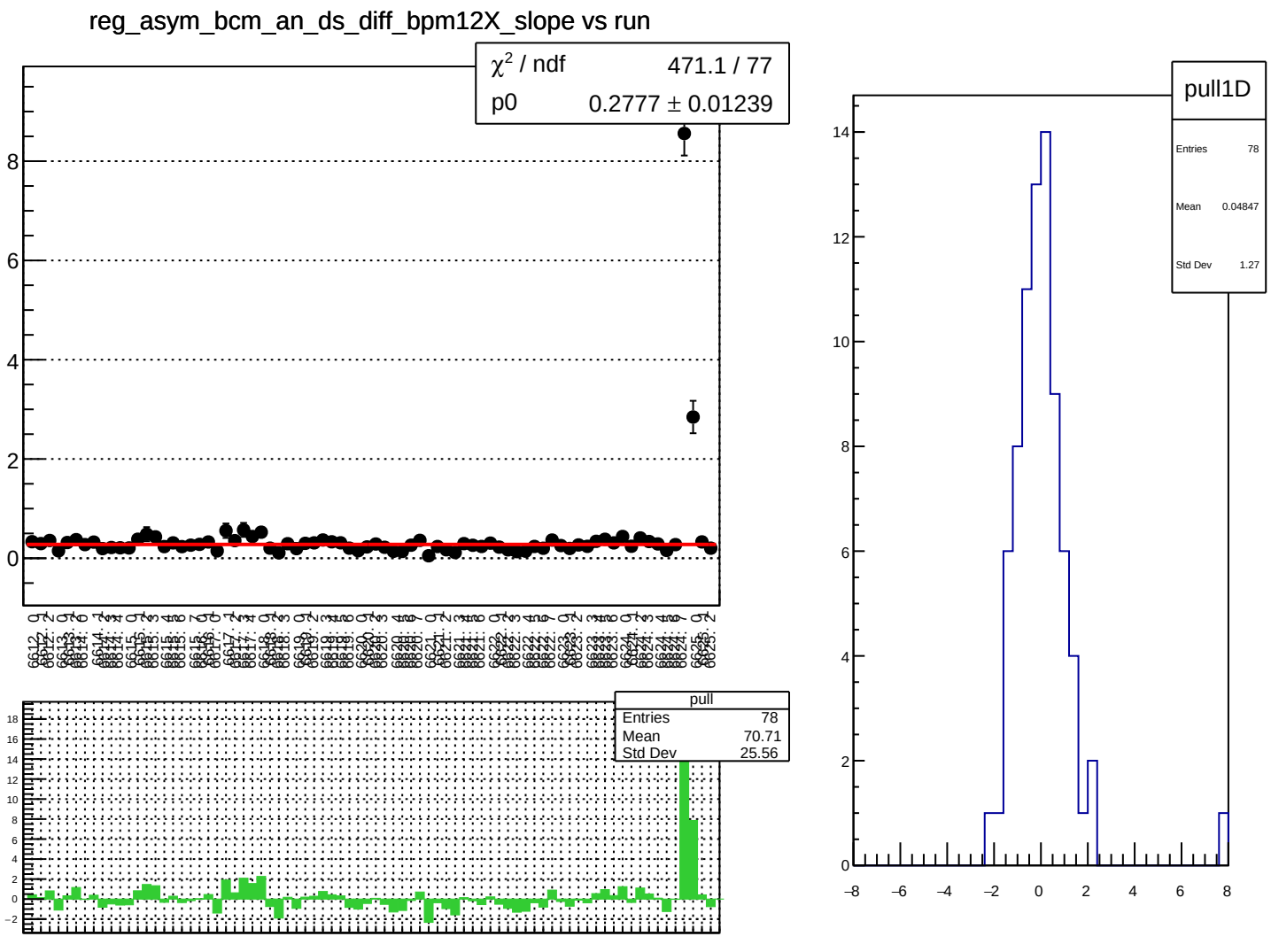

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 471.7 / 77
p0 0.2792 ± 0.01245
pull
Entries 78
Mean 68.98
Std Dev 27.48
pull1D
Entries 78
Mean 0.0502
Std Dev 1.267

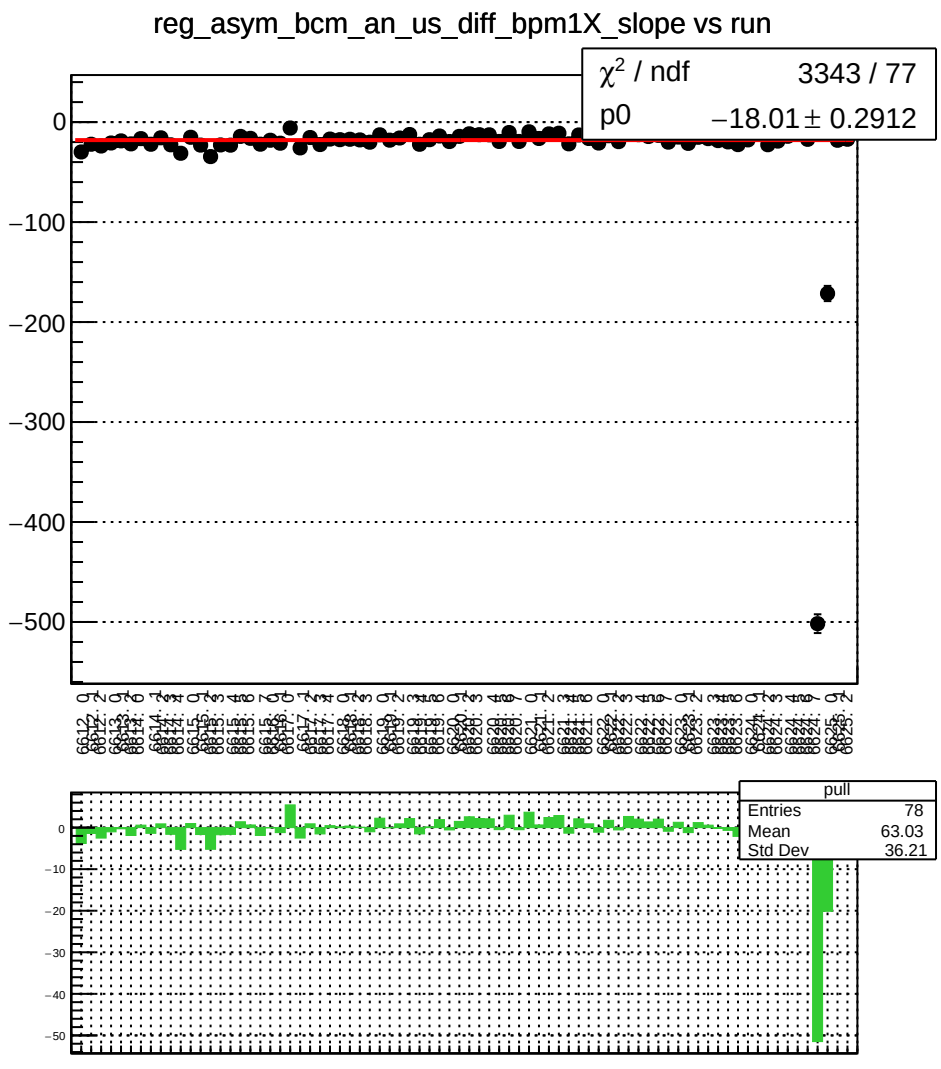

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 3340 / 77
p0 −17.96 ± 0.2902
0
−100
−200
−300
−400
−500
pull
Entries 78
Mean 63.3
Std Dev 36.03
pull1D
Entries 78
Mean 0.196
Std Dev 1.939

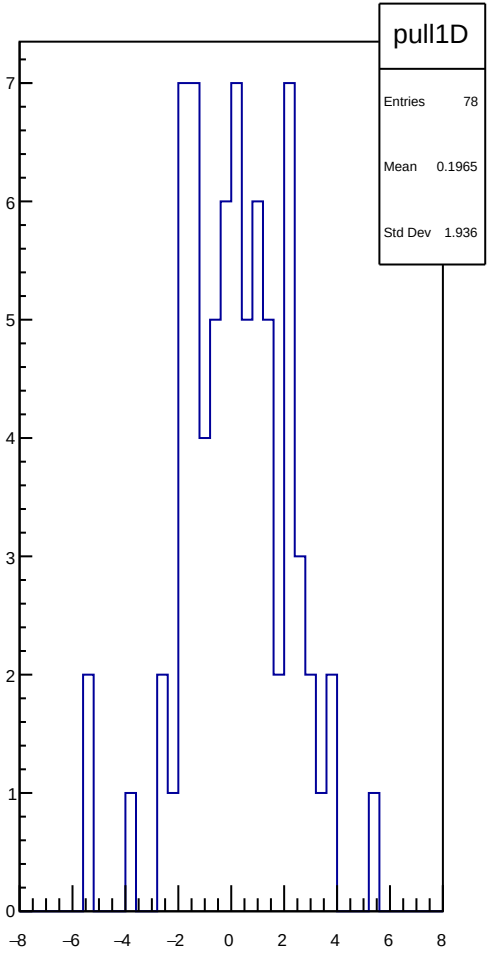

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 143.4 / 77
p0 2.235 ± 0.2012
pull
Entries 78
Mean −46.5
Std Dev 20.32
pull1D
Entries 78
Mean 0.01878
Std Dev 1.356

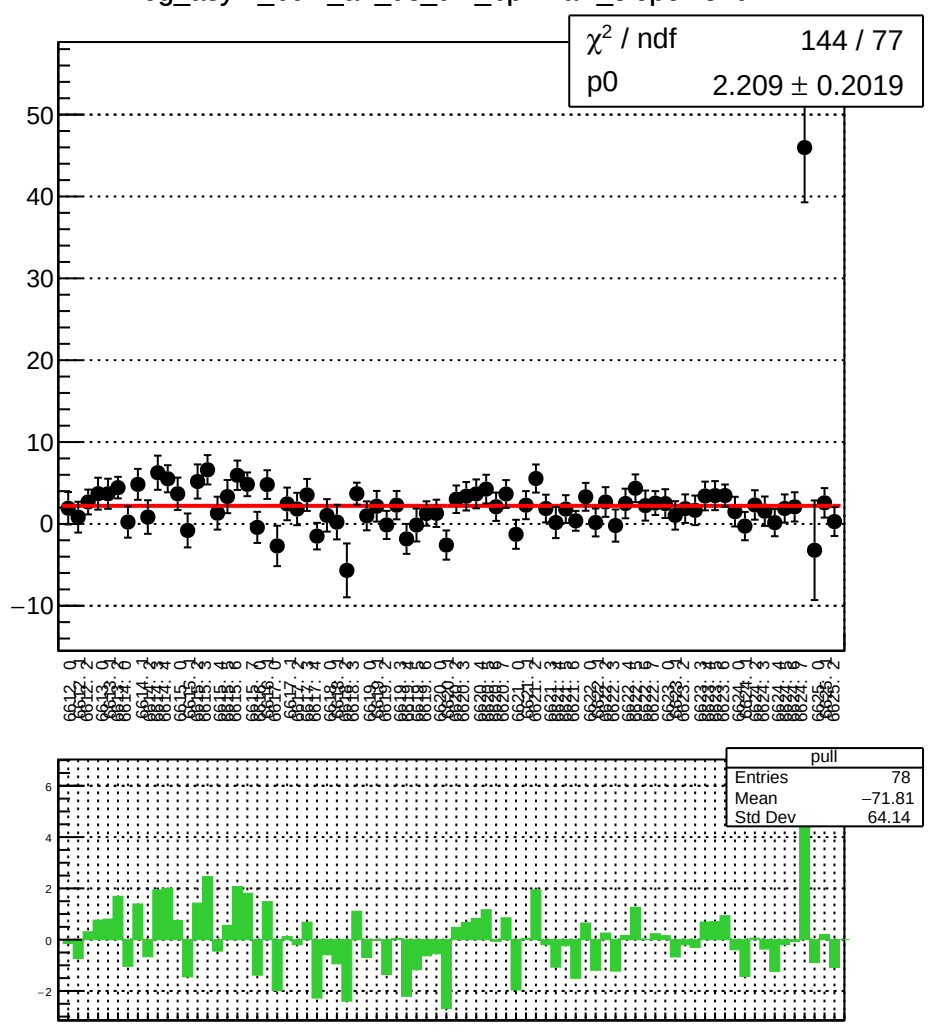

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 3212 / 77
p0 19.14 ± 0.3096
500
400
300
200
100
pull
Entries 78
Mean 64.63
Std Dev 34.93
50
40
30
20
10
0
pull1D
Entries 78
Mean −0.2023
Std Dev 1.896
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

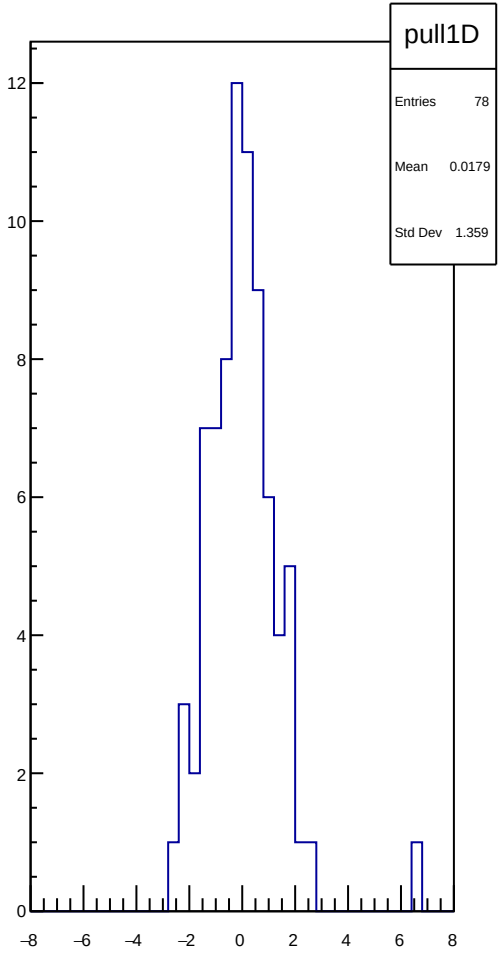

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 194 / 77
p0 −3.426 ± 0.2404
pull
Entries 78
Mean 43.11
Std Dev 52.29
pull1D
Entries 78
Mean 0.03645
Std Dev 1.191

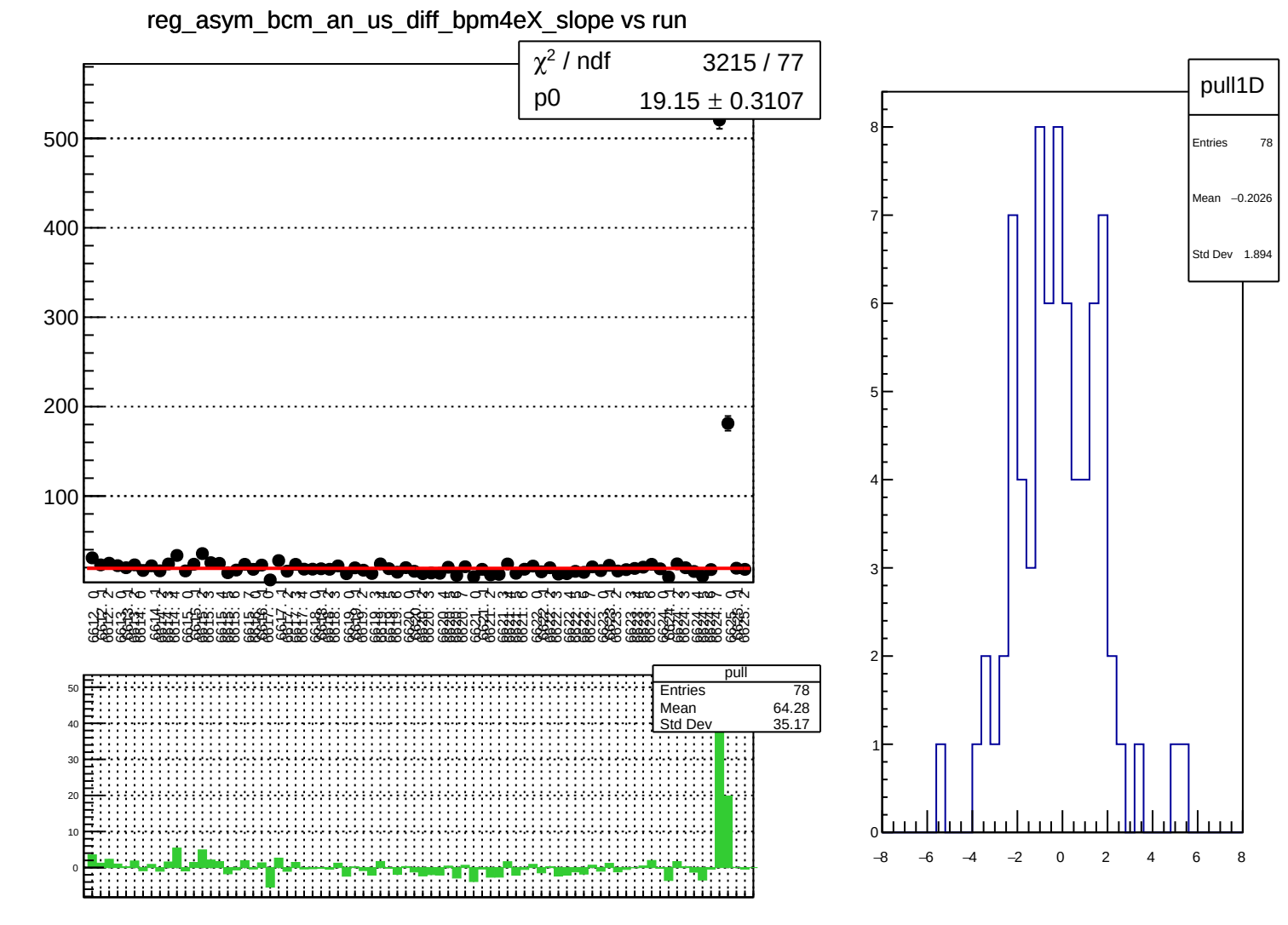

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 471.1 / 77
p0 0.2777 ± 0.01239
pull
Entries 78
Mean 70.71
Std Dev 25.56
pull1D
Entries 78
Mean 0.04847
Std Dev 1.27

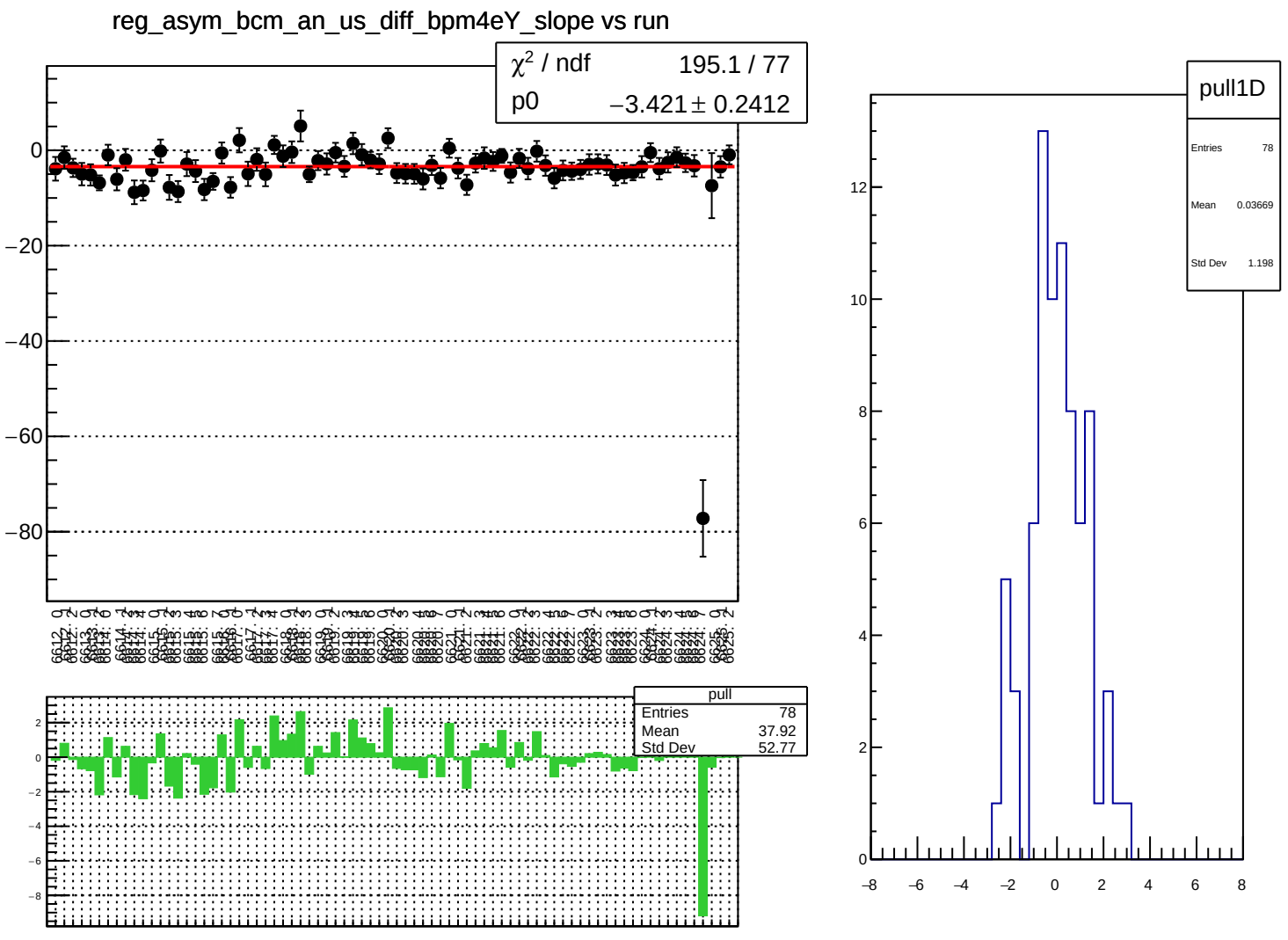

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 3343 / 77
p0 −18.01 ± 0.2912
0
−100
−200
−300
−400
−500
pull
Entries 78
Mean 63.03
Std Dev 36.21
0
−10
−20
−30
−40
−50

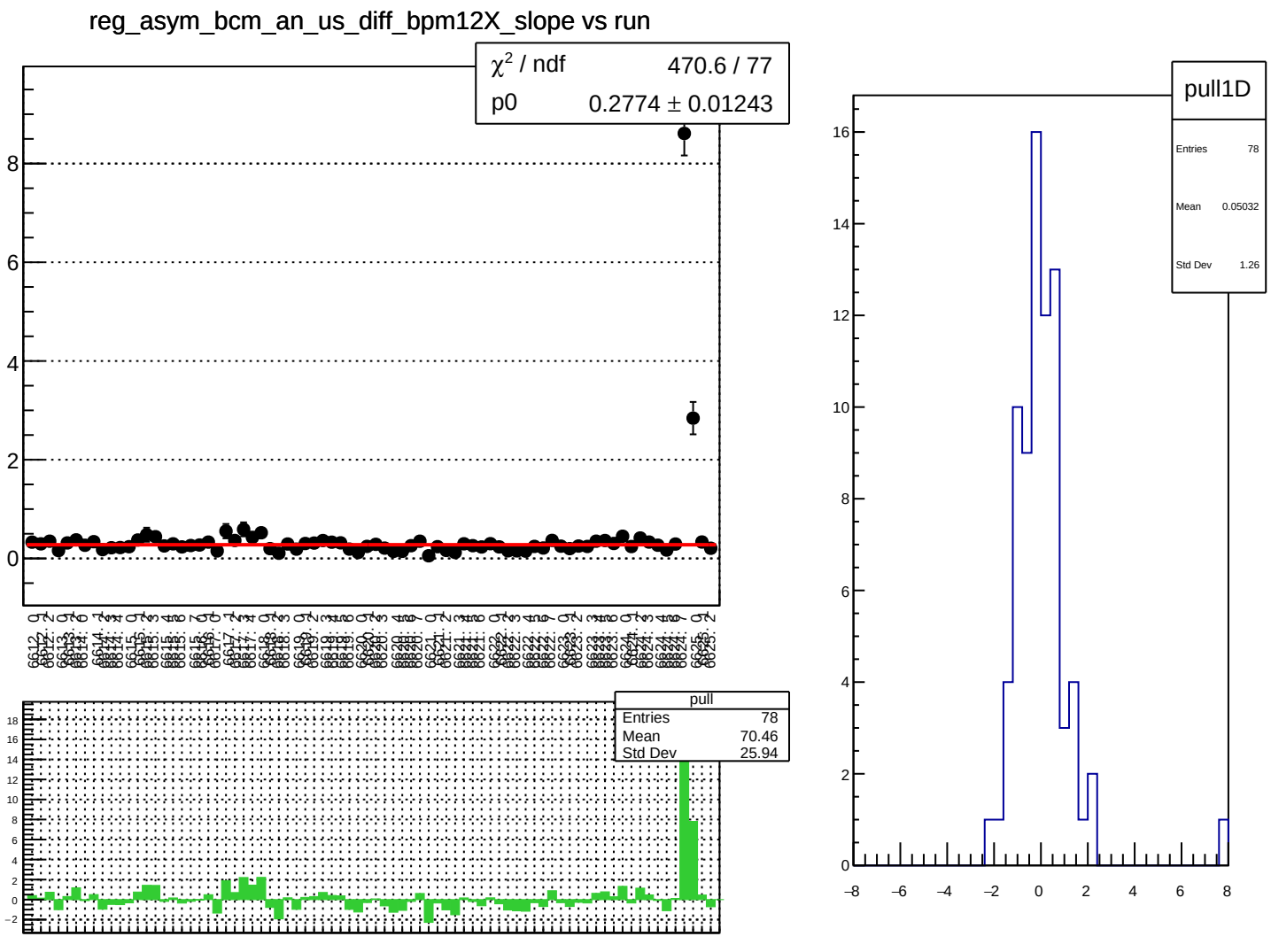

pull1D
Entries 78
Mean 0.1965
Std Dev 1.936
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

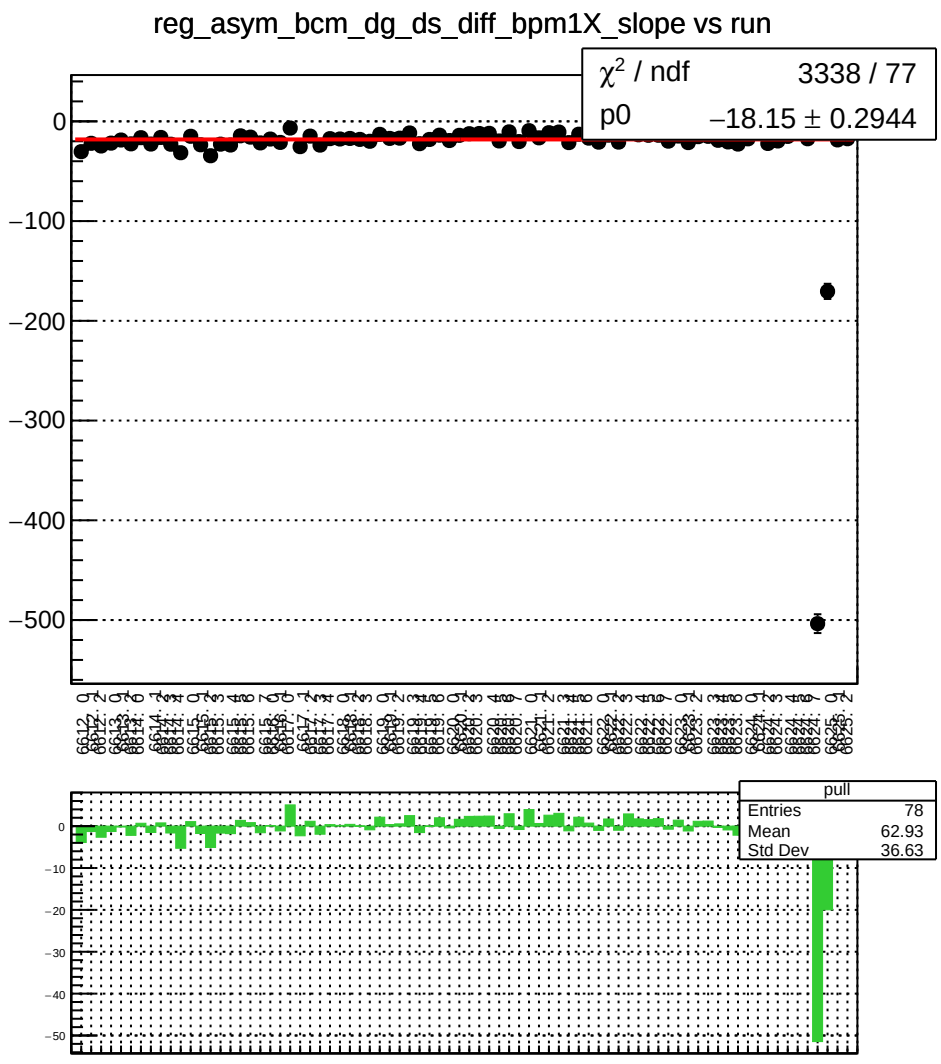

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 144 / 77
p0 2.209 ± 0.2019
pull
Entries 78
Mean −71.81
Std Dev 64.14

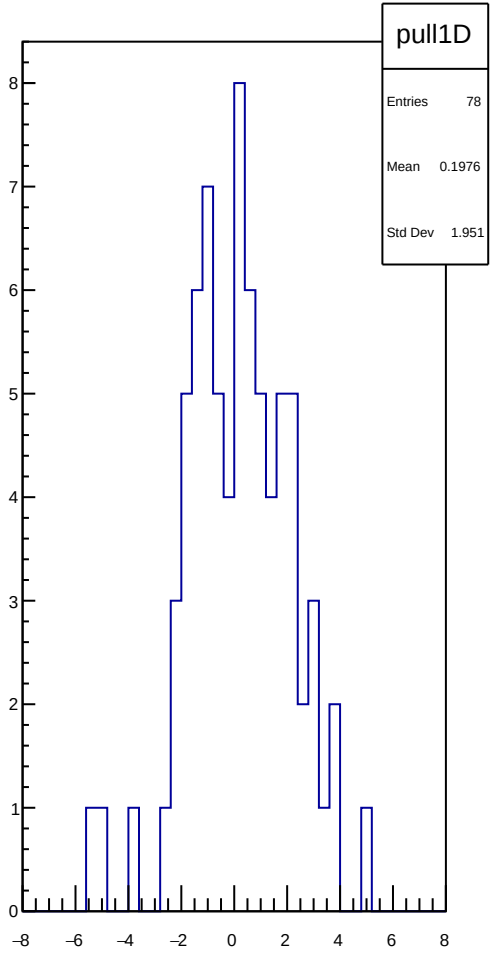

pull1D
Entries 78
Mean 0.0179
Std Dev 1.359

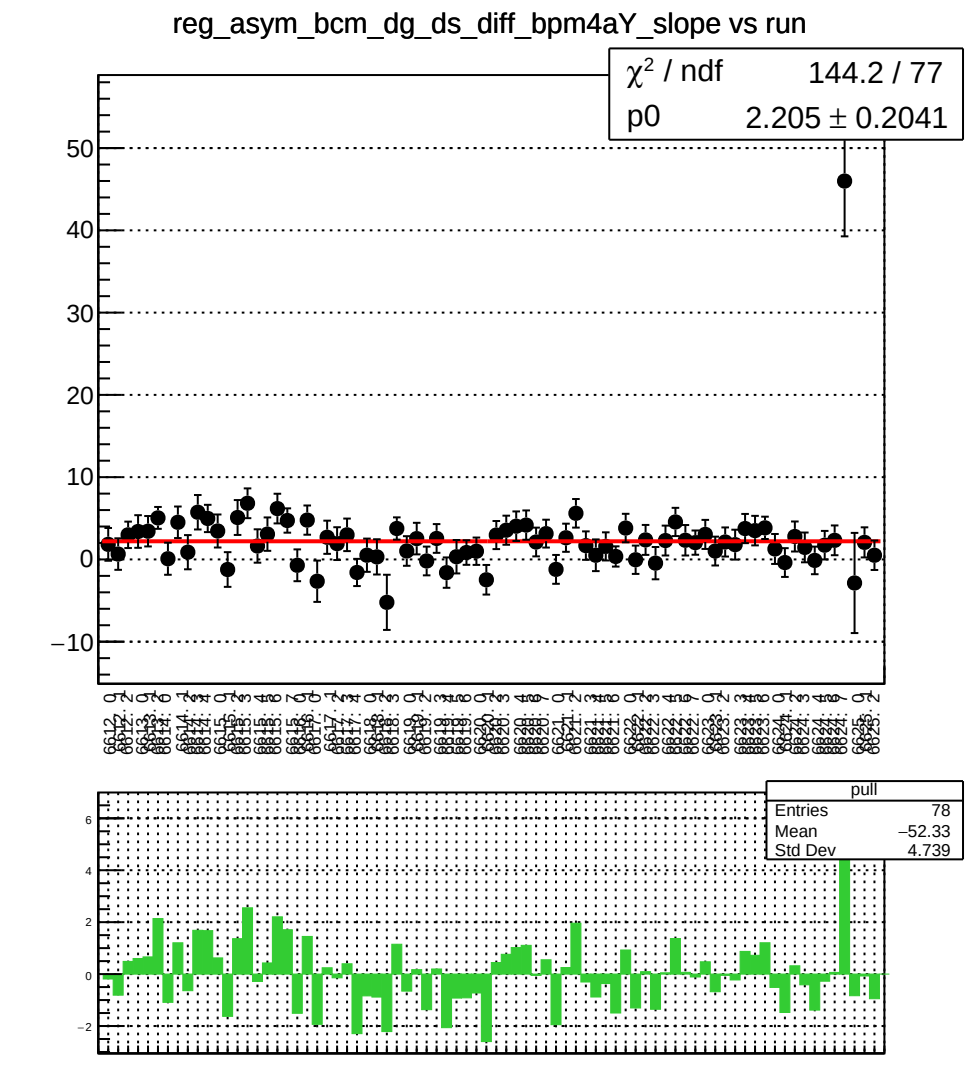

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 3215 / 77
p0 19.15 ± 0.3107
500
400
300
200
100
pull
Entries 78
Mean 64.28
Std Dev 35.17
50
40
30
20
10
0
pull1D
Entries 78
Mean −0.2026
Std Dev 1.894
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

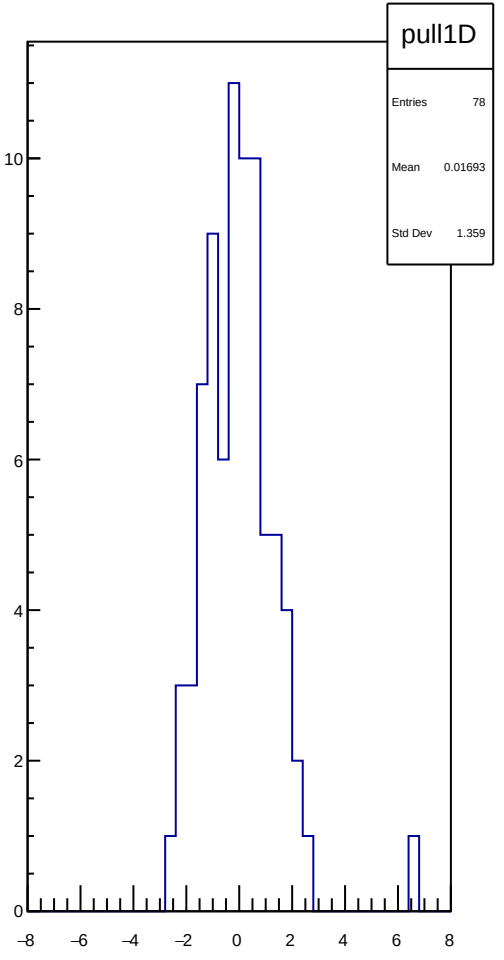

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 195.1 / 77
p0 −3.421 ± 0.2412
0
−20
−40
−60
−80
pull
Entries 78
Mean 37.92
Std Dev 52.77
2
0
−2
−4
−6
−8
pull1D
Entries 78
Mean 0.03669
Std Dev 1.198
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

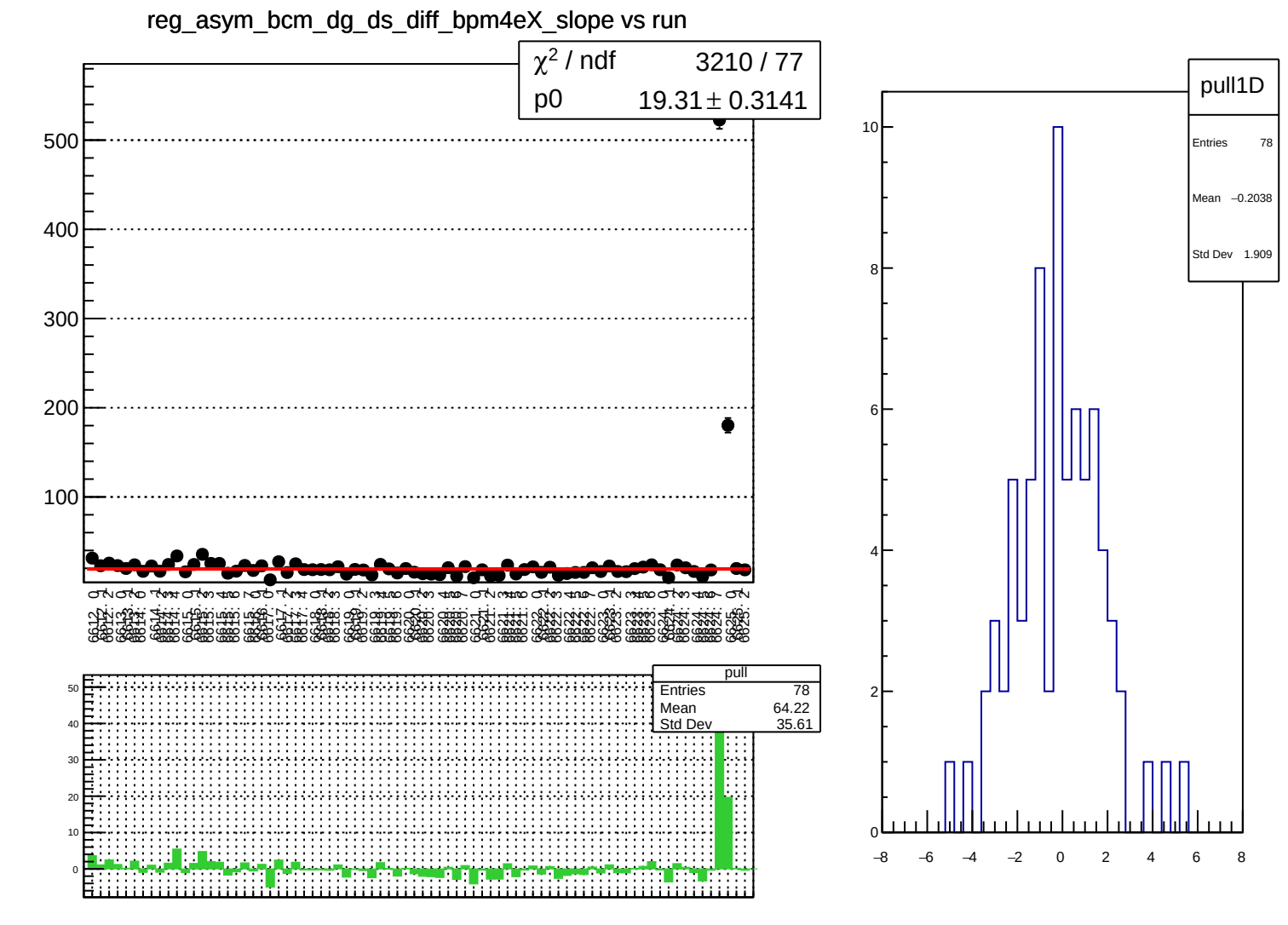

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 470.6 / 77
p0 0.2774 ± 0.01243
pull
Entries 78
Mean 70.46
Std Dev 25.94
pull1D
Entries 78
Mean 0.05032
Std Dev 1.26

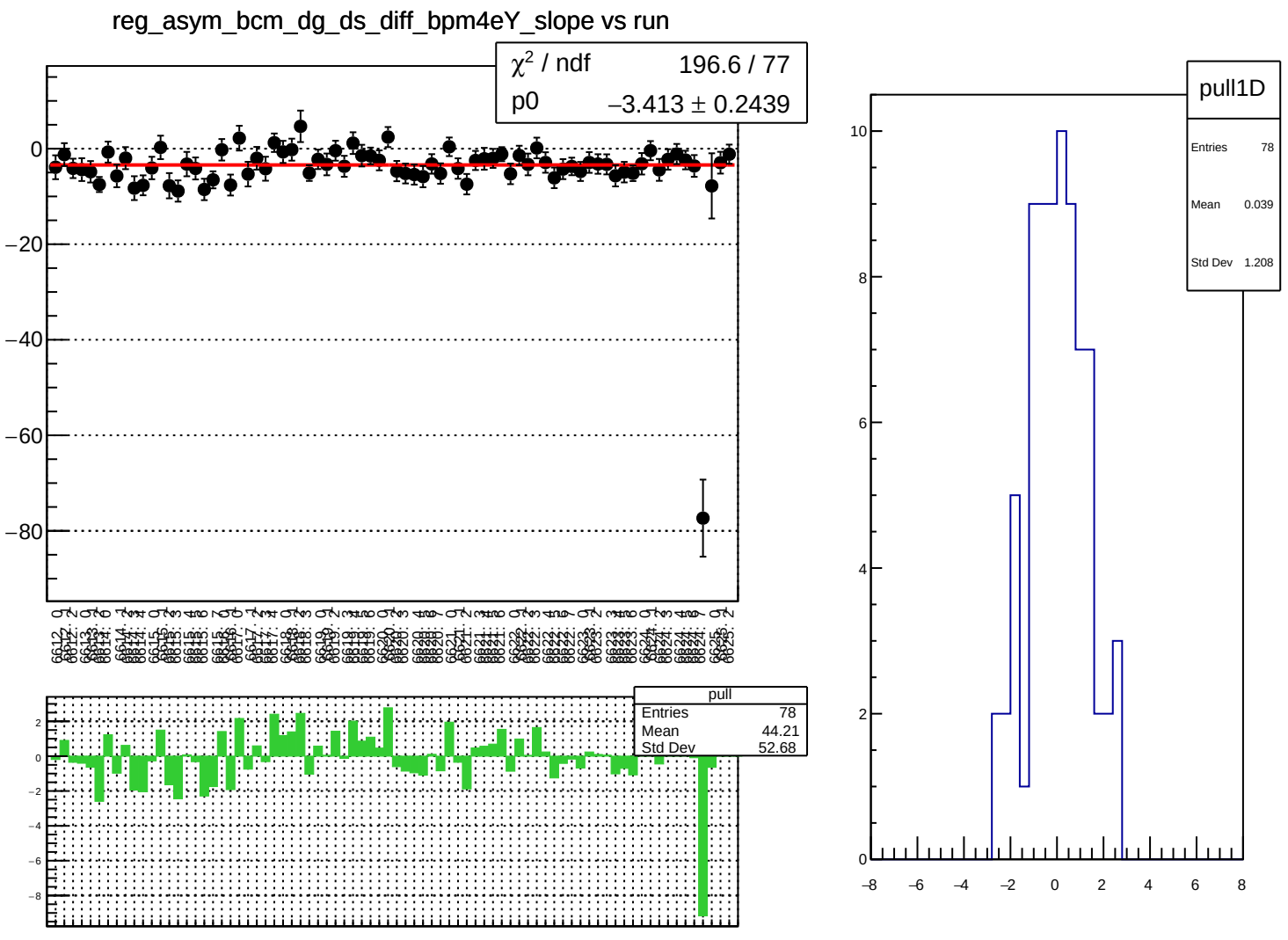

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 3338 / 77
p0 −18.15 ± 0.2944
pull
Entries 78
Mean 62.93
Std Dev 36.63

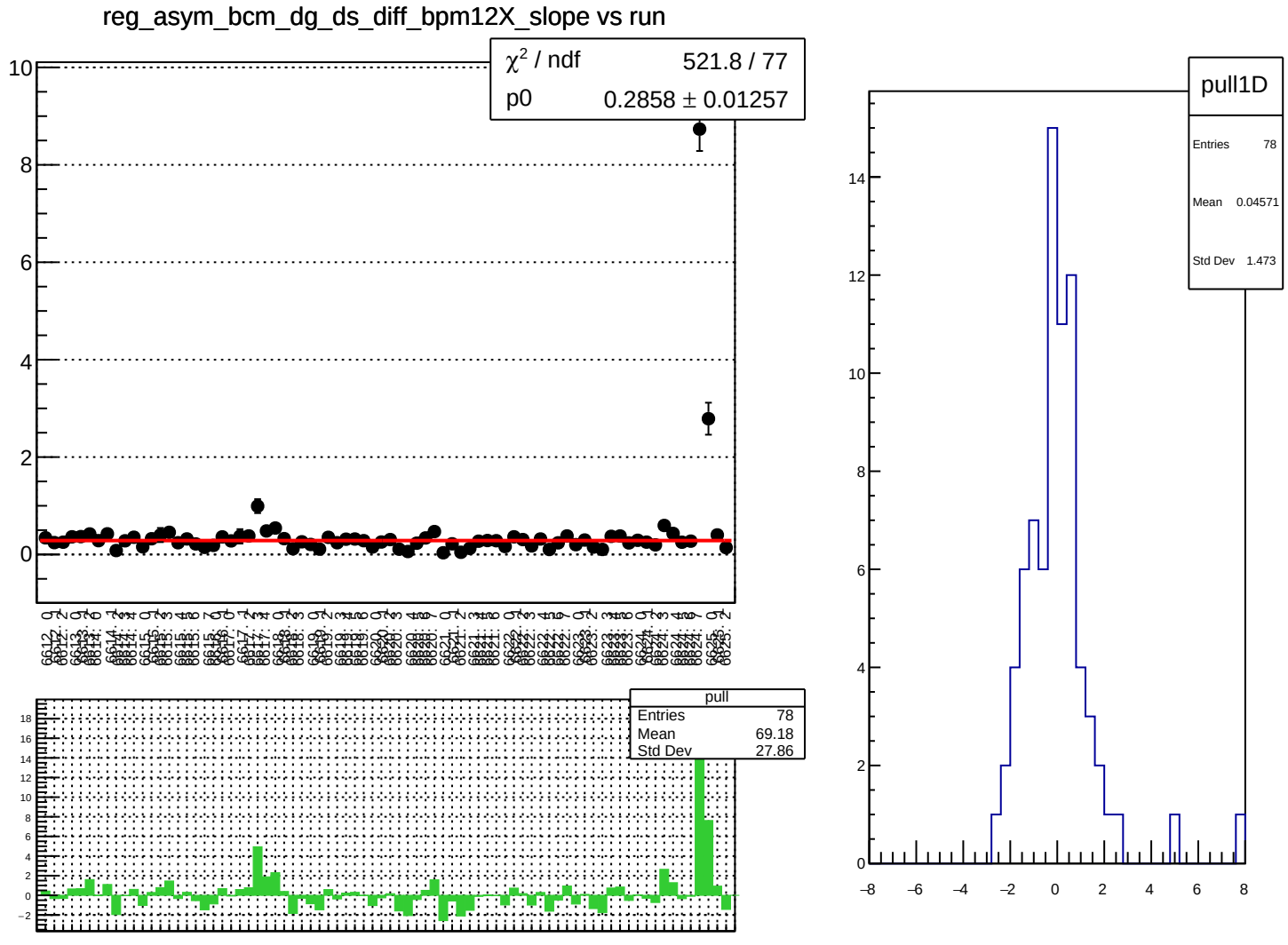

pull1D
Entries 78
Mean 0.1976
Std Dev 1.951

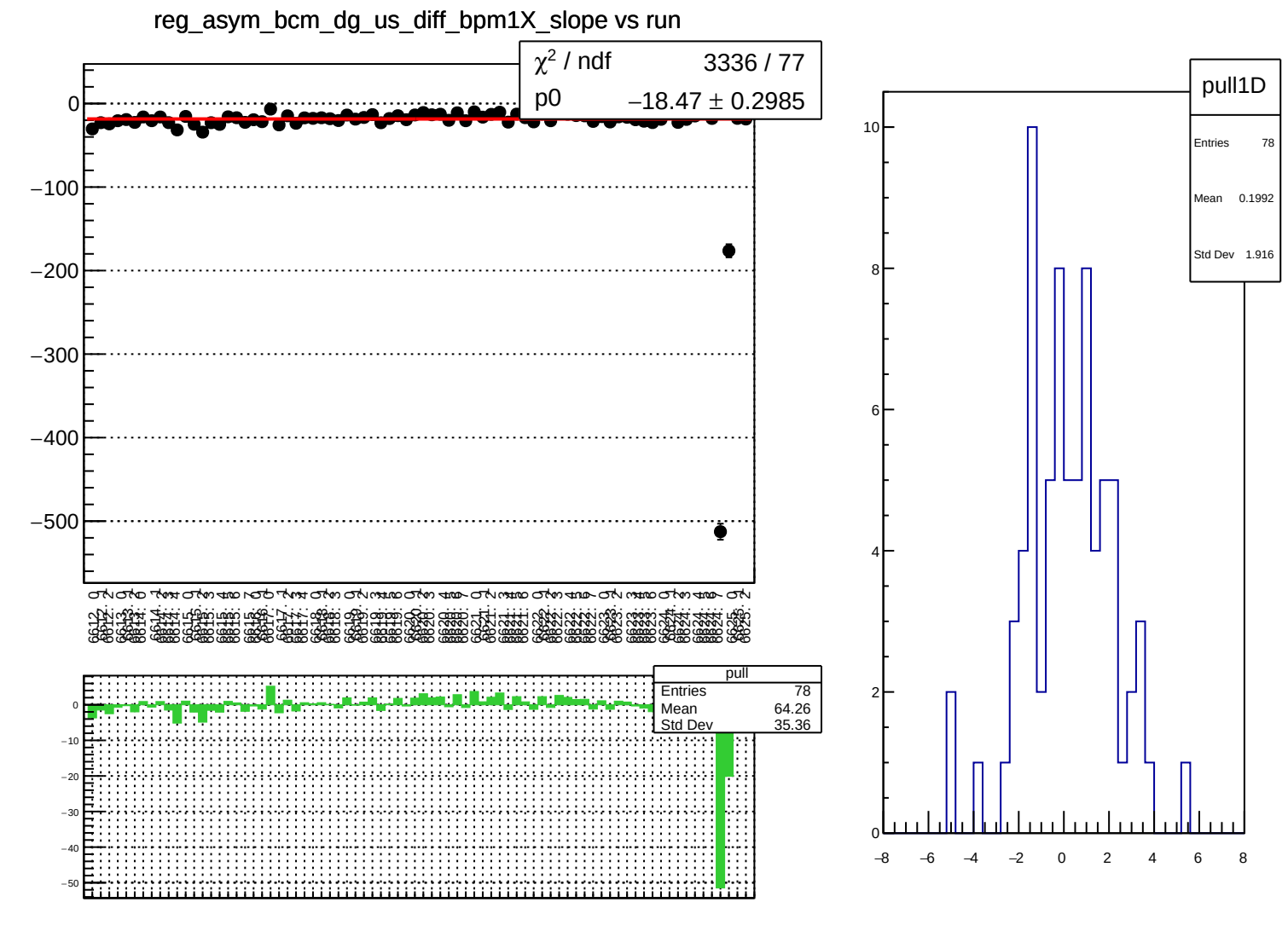

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 144.2 / 77
p0 2.205 ± 0.2041
pull
Entries 78
Mean −52.33
Std Dev 4.739

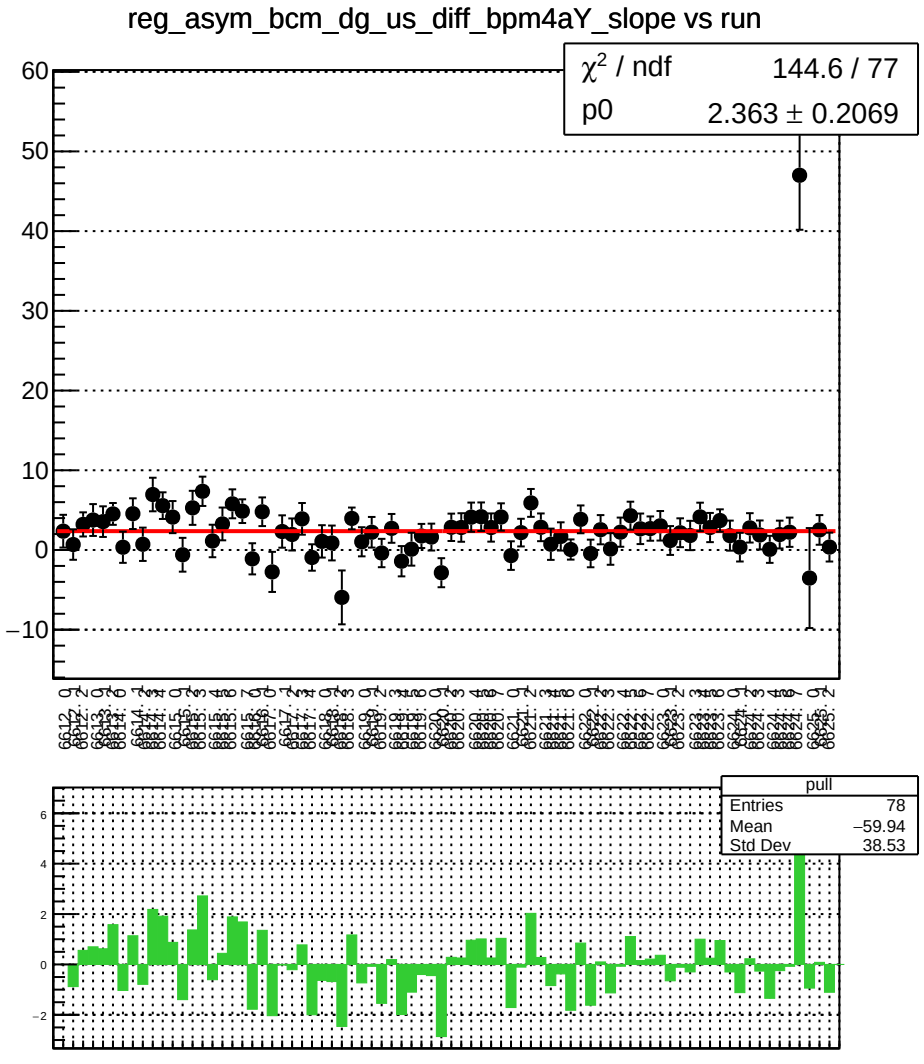

pull1D
Entries 78
Mean 0.01693
Std Dev 1.359

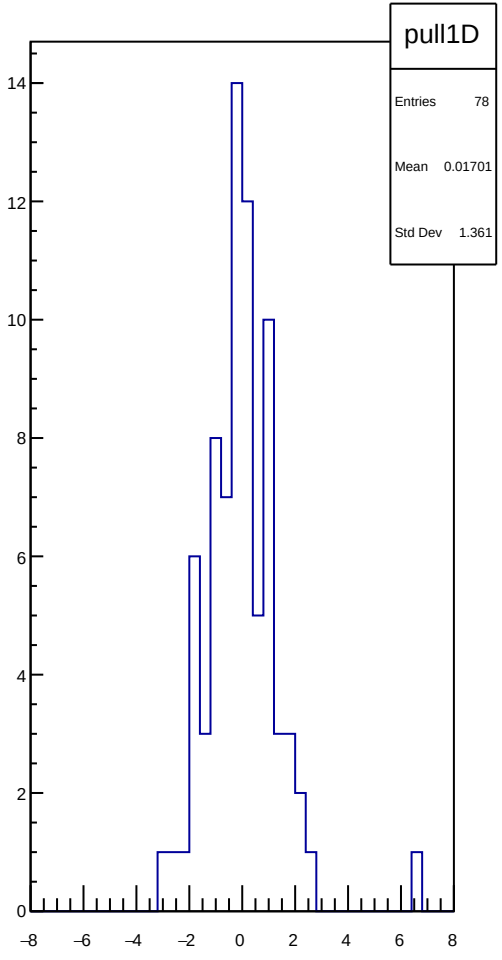

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 3210 / 77
p0 19.31 ± 0.3141
pull
Entries 78
Mean 64.22
Std Dev 35.61
pull1D
Entries 78
Mean −0.2038
Std Dev 1.909

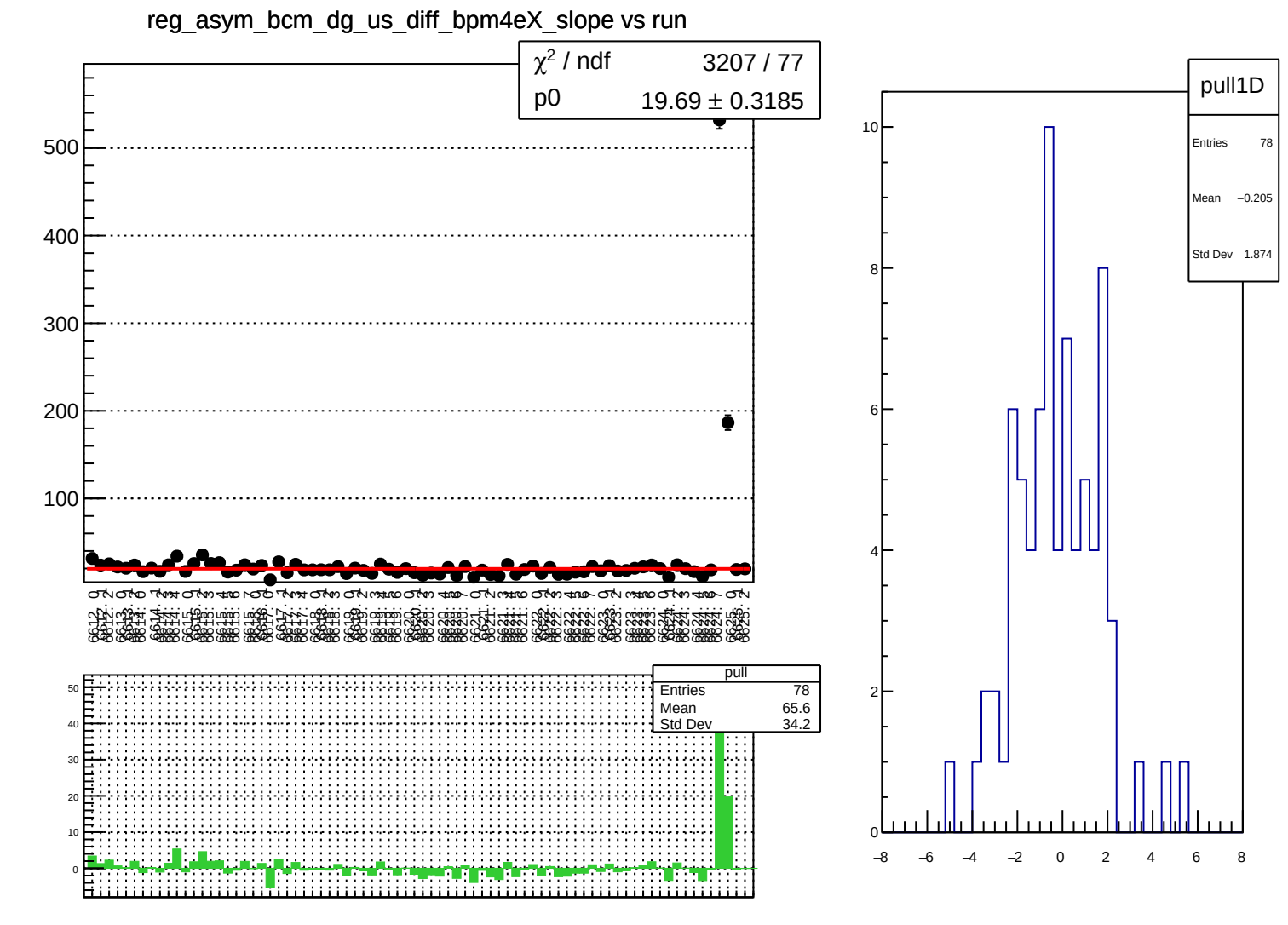

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 196.6 / 77
p0 −3.413 ± 0.2439
pull
Entries 78
Mean 44.21
Std Dev 52.68
pull1D
Entries 78
Mean 0.039
Std Dev 1.208

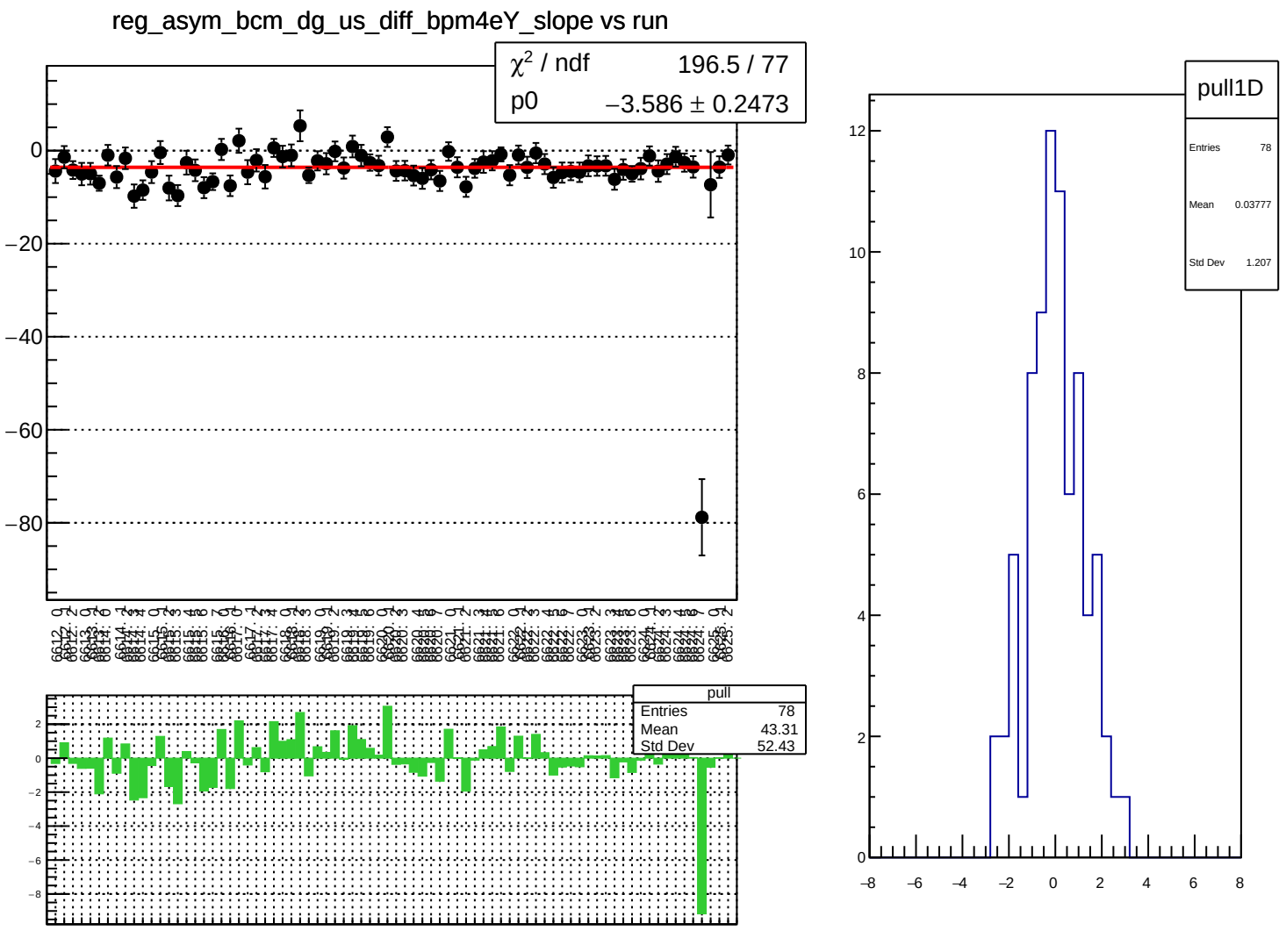

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 521.8 / 77
p0 0.2858 ± 0.01257
pull
Entries 78
Mean 69.18
Std Dev 27.86
pull1D
Entries 78
Mean 0.04571
Std Dev 1.473

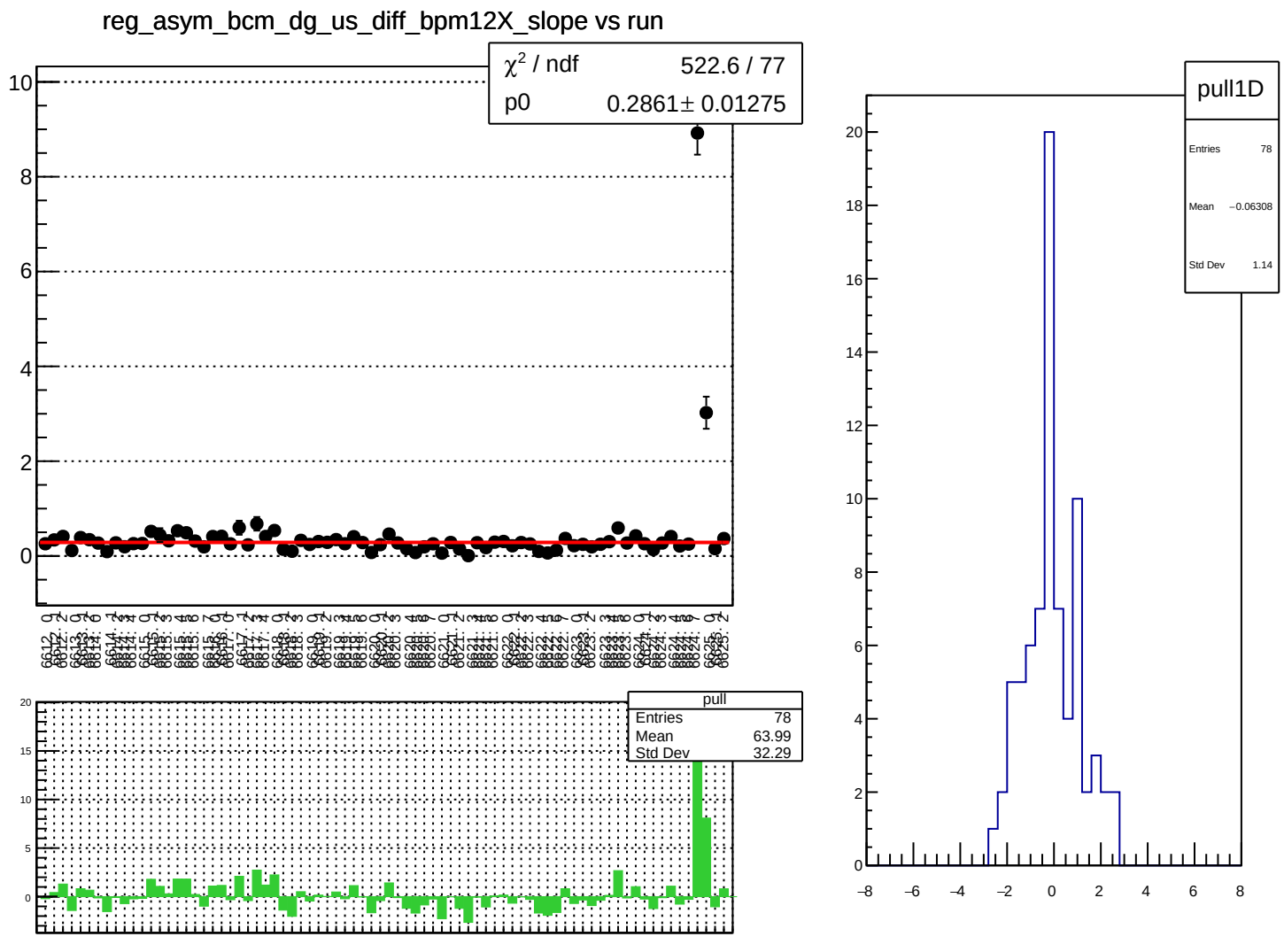

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 3336 / 77
p0 −18.47 ± 0.2985
pull
Entries 78
Mean 64.26
Std Dev 35.36
pull1D
Entries 78
Mean 0.1992
Std Dev 1.916


reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 144.6 / 77
p0 2.363 ± 0.2069
pull
Entries 78
Mean −59.94
Std Dev 38.53


pull1D
Entries 78
Mean 0.01701
Std Dev 1.361


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 3207 / 77
p0 19.69 ± 0.3185
500
400
300
200
100
pull
Entries 78
Mean 65.6
Std Dev 34.2
50
40
30
20
10
0
pull1D
Entries 78
Mean −0.205
Std Dev 1.874
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 196.5 / 77
p0 −3.586 ± 0.2473
0
−20
−40
−60
−80
pull
Entries 78
Mean 43.31
Std Dev 52.43
2
0
−2
−4
−6
−8
pull1D
Entries 78
Mean 0.03777
Std Dev 1.207
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 522.6 / 77
p0 0.2861± 0.01275
pull
Entries 78
Mean 63.99
Std Dev 32.29
pull1D
Entries 78
Mean −0.06308
Std Dev 1.14