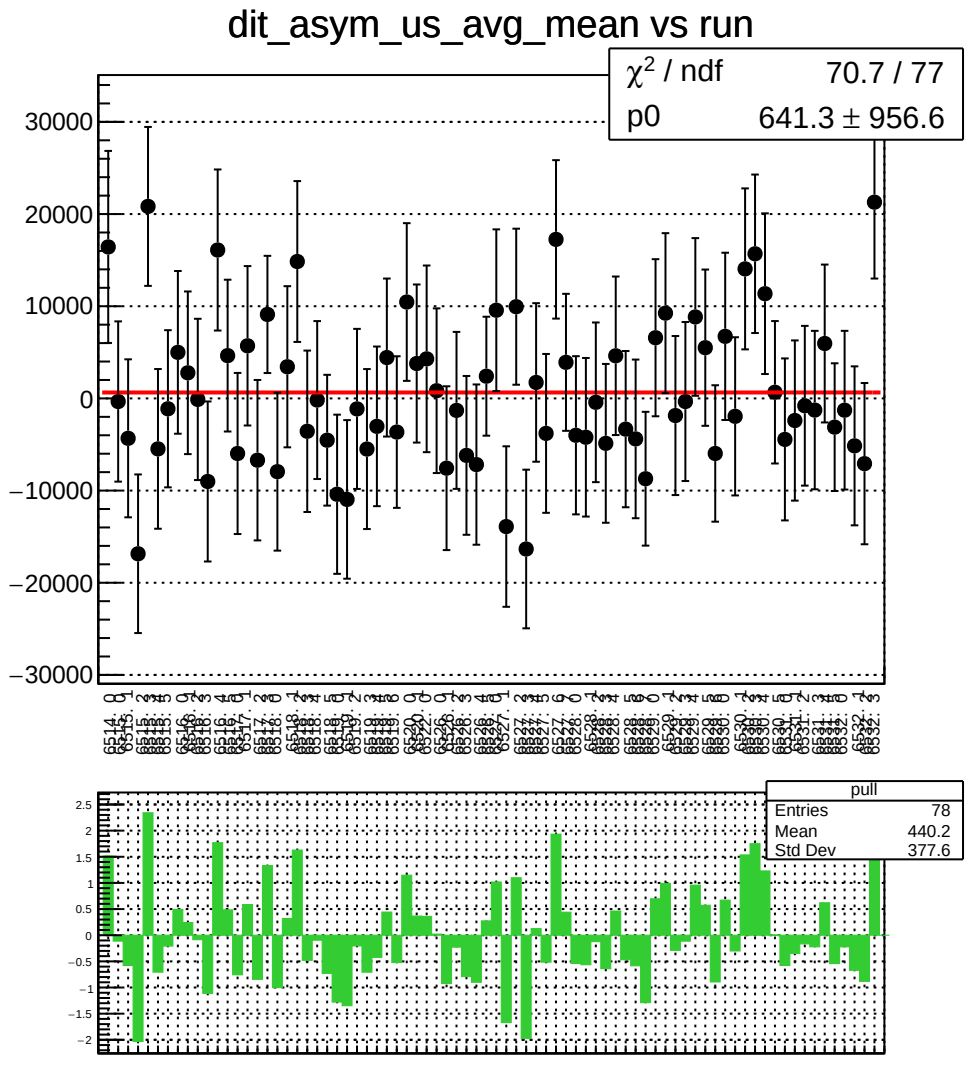
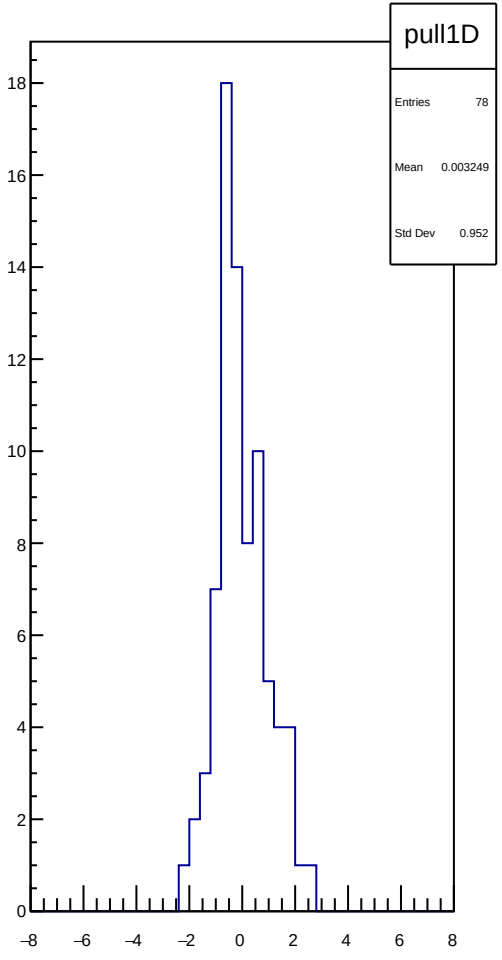
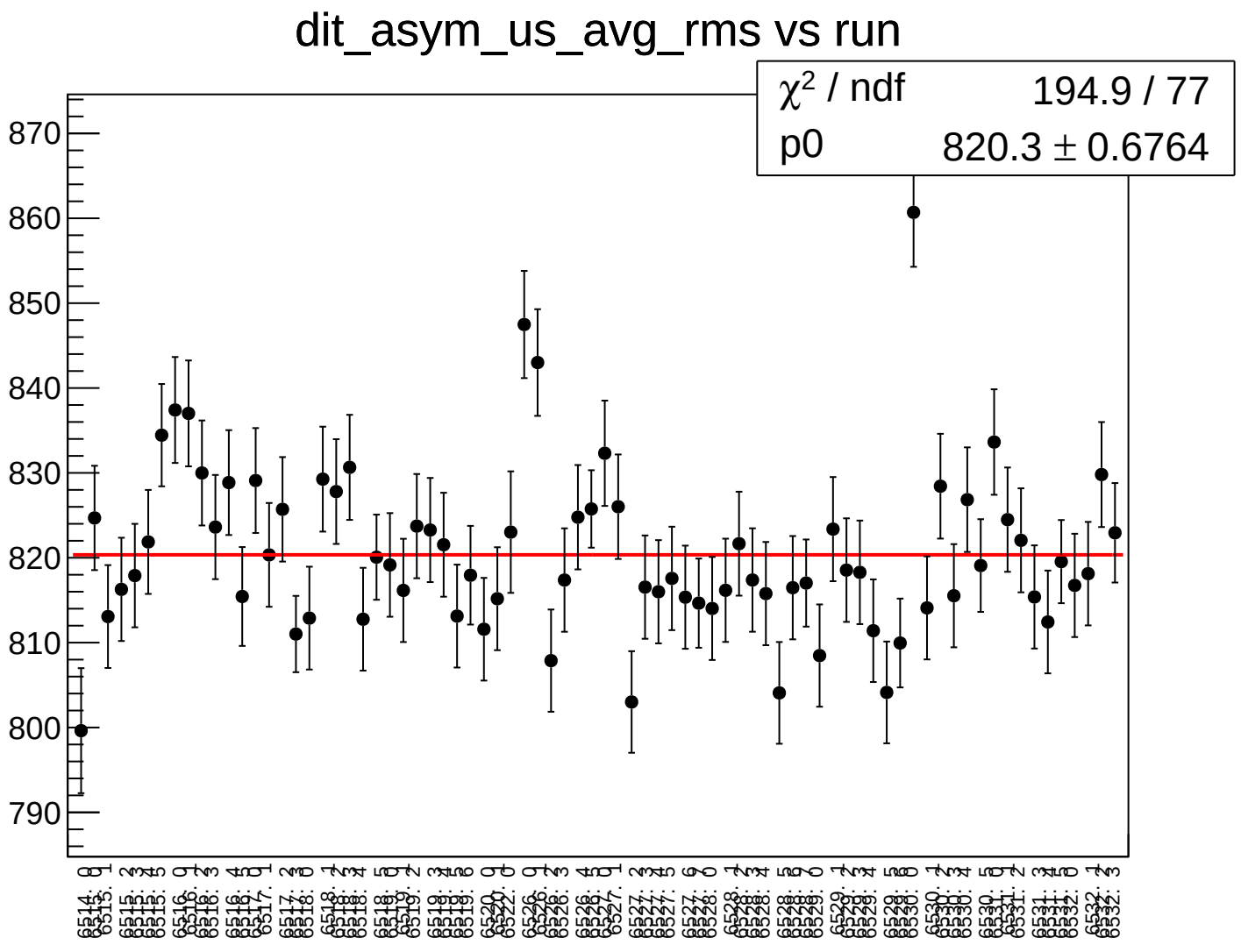
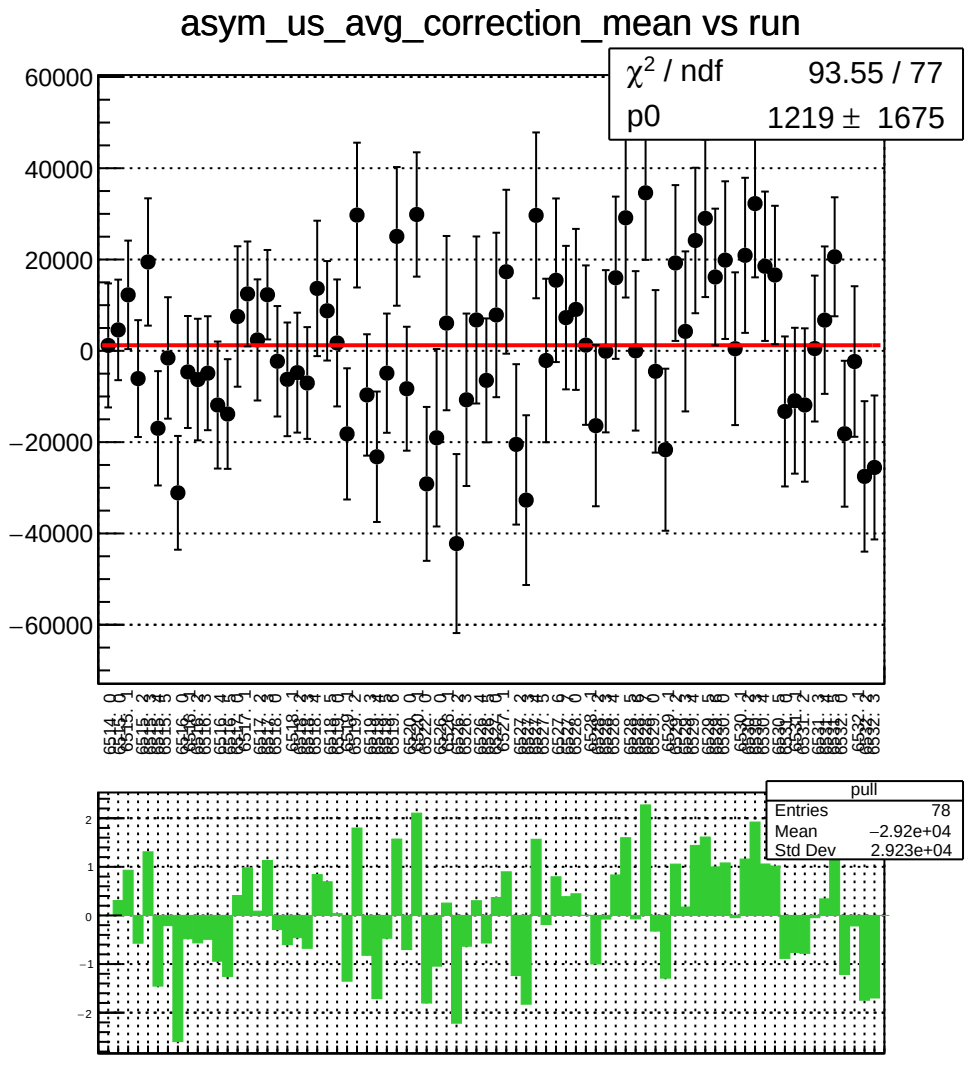
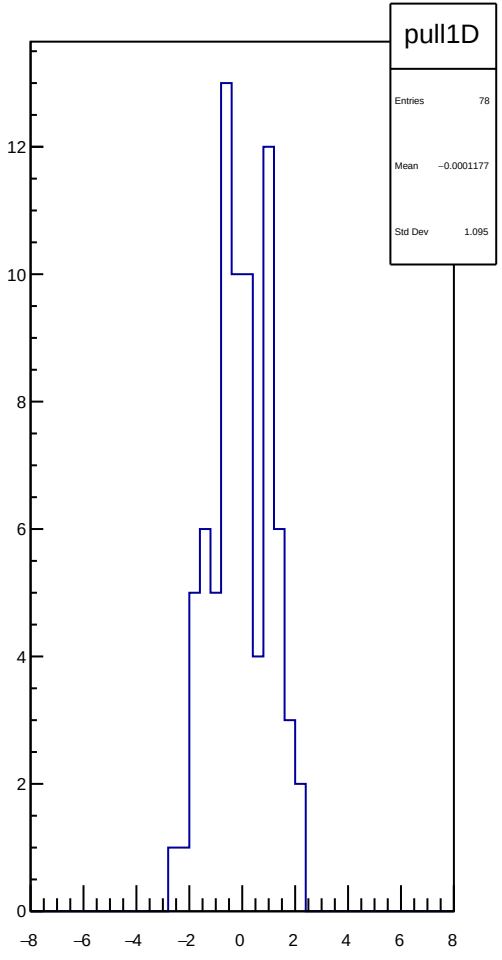
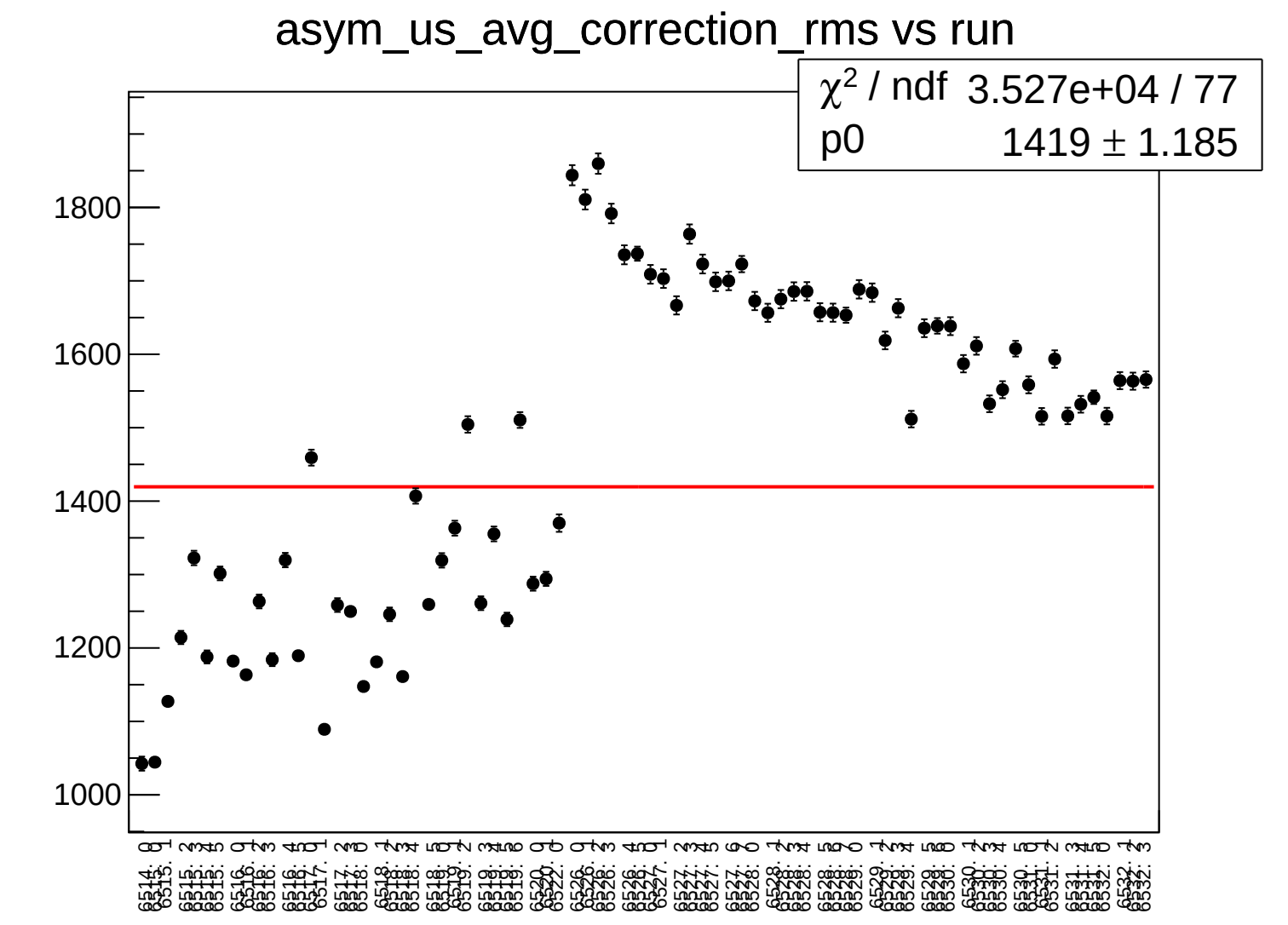

dit_asym_us_avg_mean vs run
χ^2 / ndf 70.7 / 77
p0 641.3 ± 956.6
pull
Entries 78
Mean 440.2
Std Dev 377.6

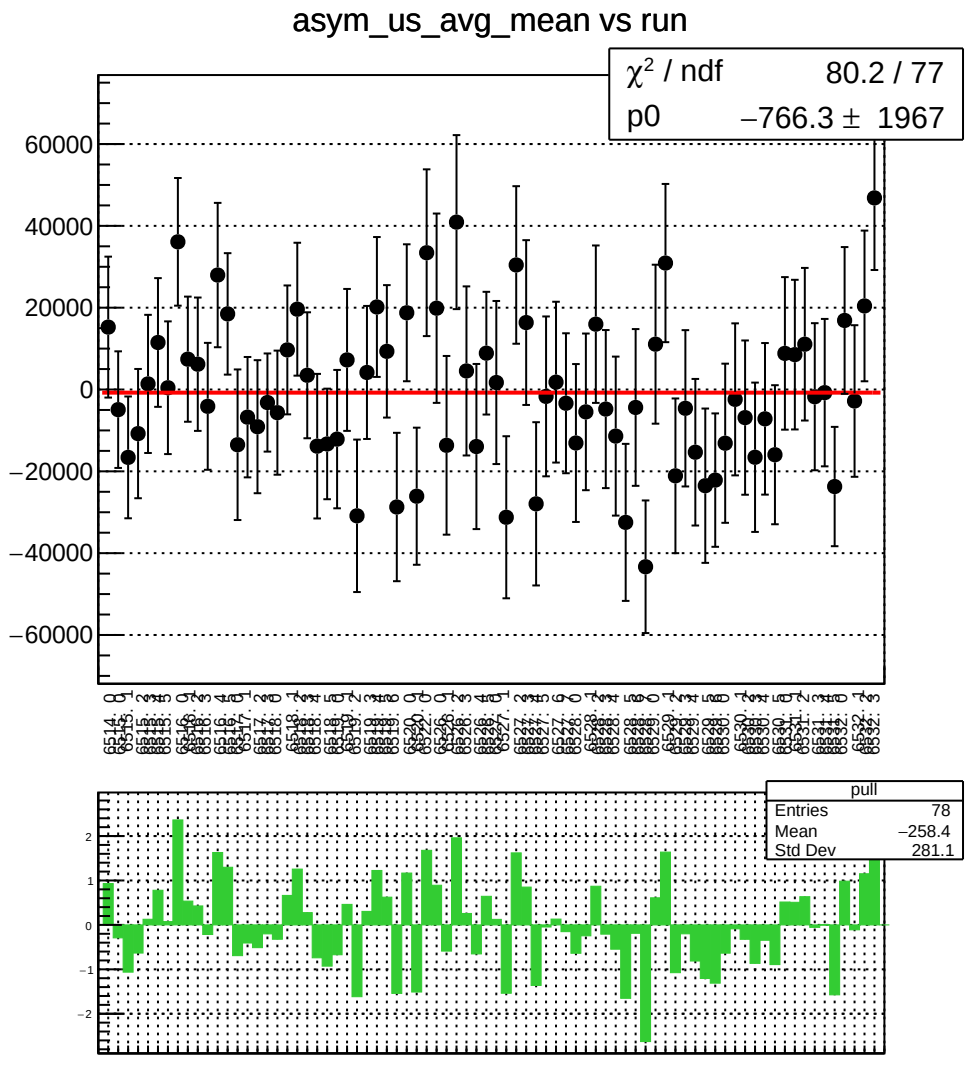

pull1D
Entries 78
Mean 0.003249
Std Dev 0.952

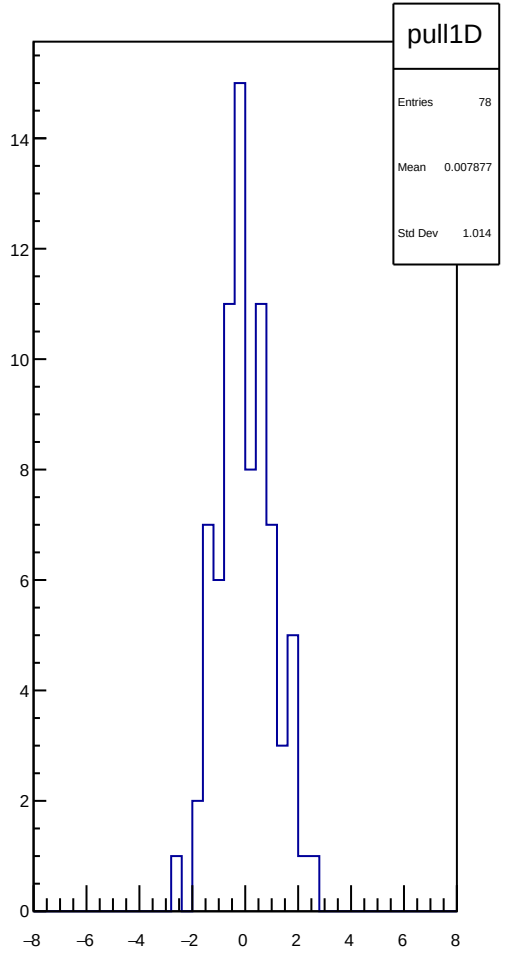

dit_asym_us_avg_rms vs run
χ² / ndf 194.9 / 77
p0 820.3 ± 0.6764
870
860
850
840
830
820
810
800
790

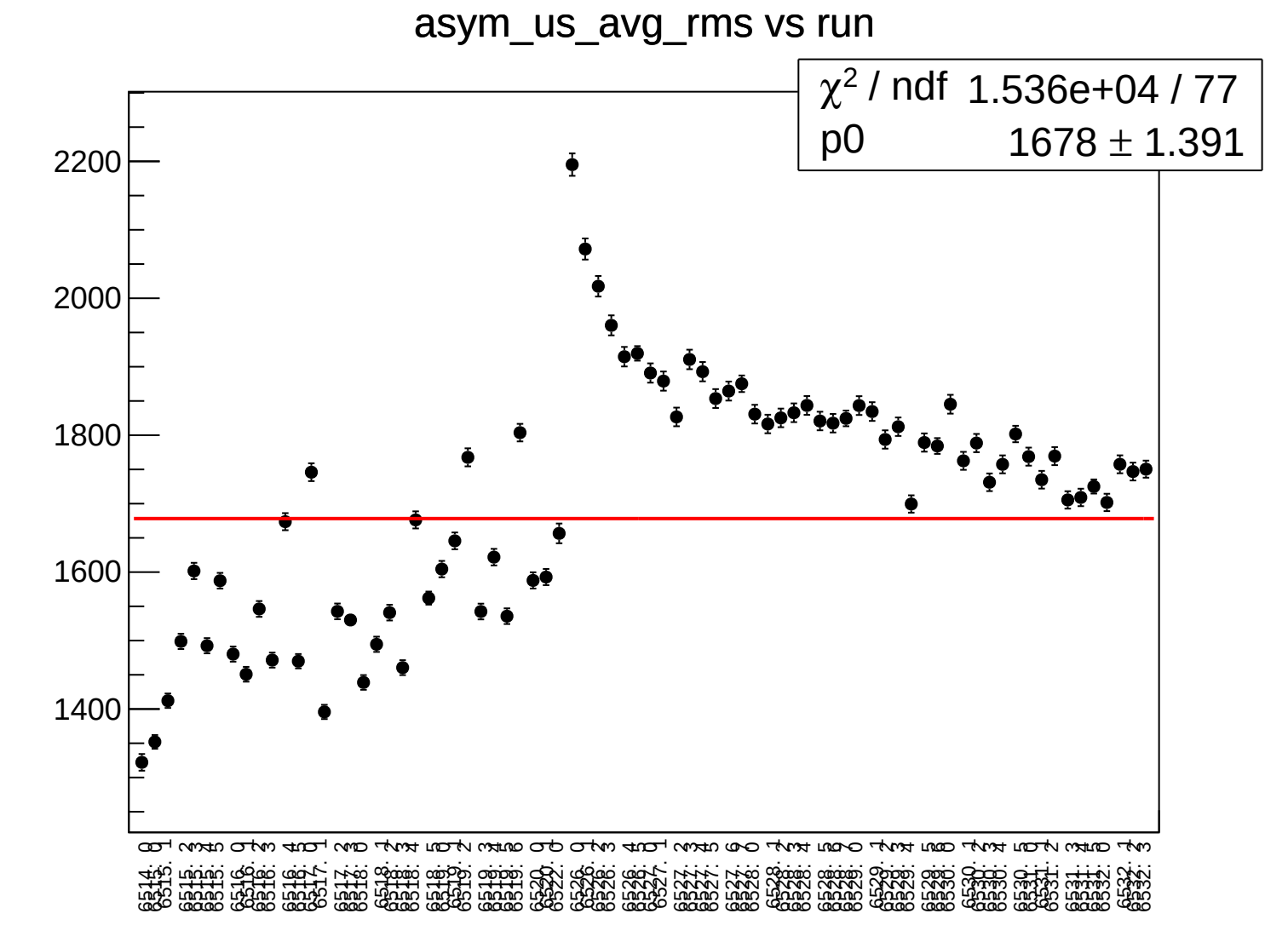

asym_us_avg_correction_mean vs run
χ² / ndf 93.55 / 77
p0 1219 ± 1675
pull
Entries 78
Mean −2.92e+04
Std Dev 2.923e+04

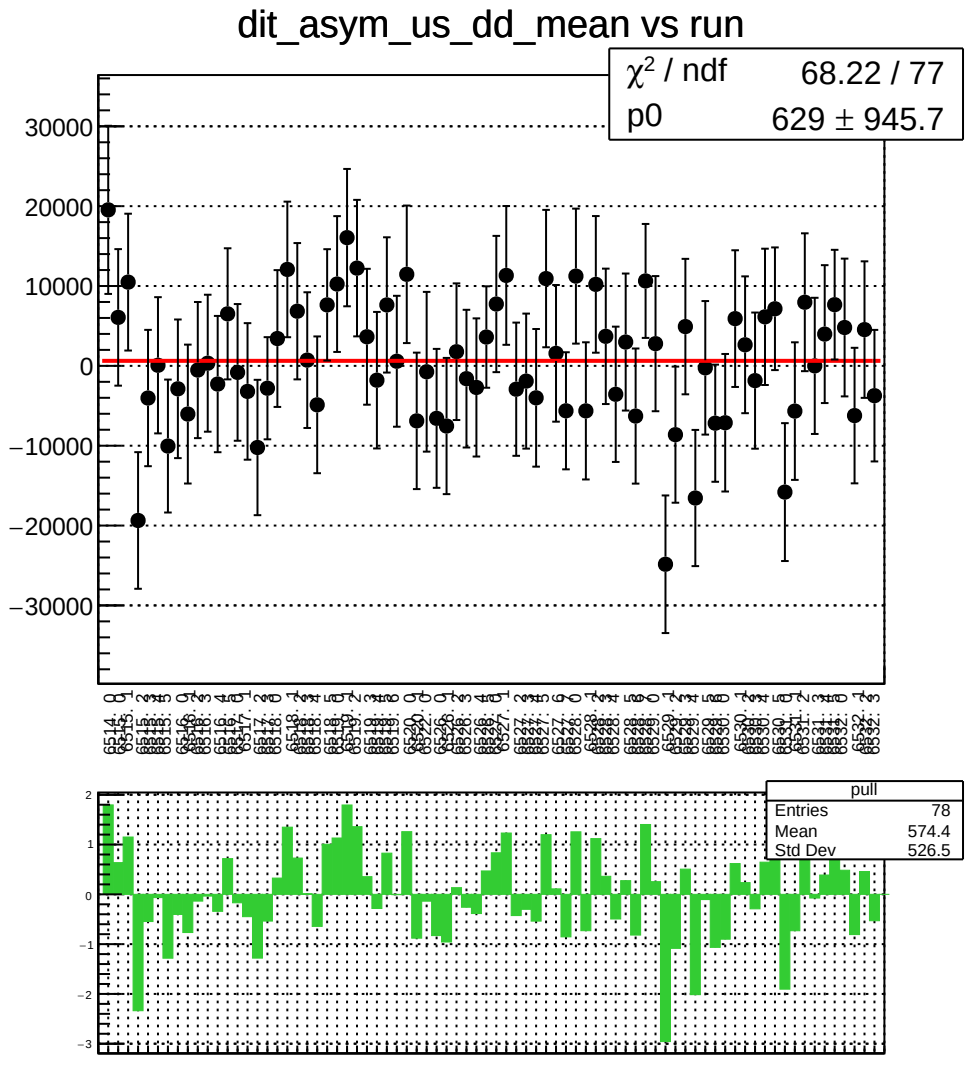

pull1D
Entries 78
Mean −0.0001177
Std Dev 1.095

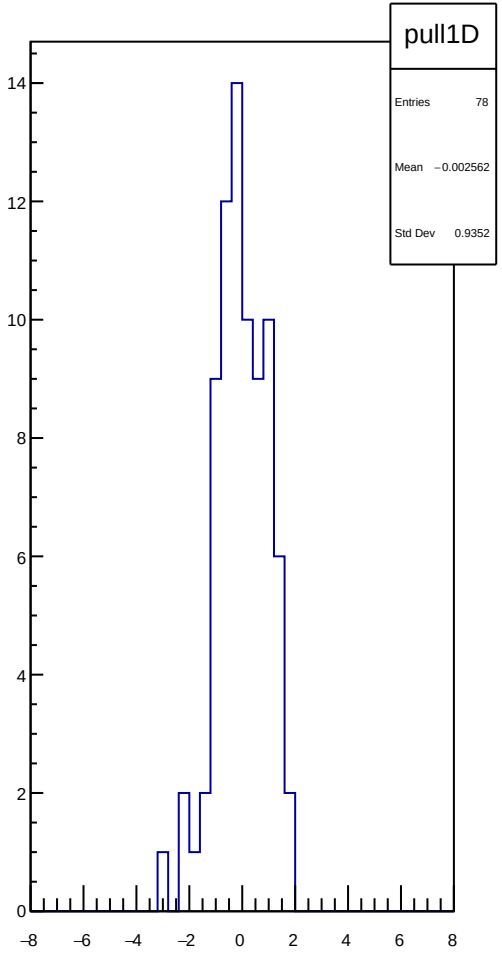

asym_us_avg_correction_rms vs run
χ² / ndf 3.527e+04 / 77
p0 1419 ± 1.185
1800
1600
1400
1200
1000

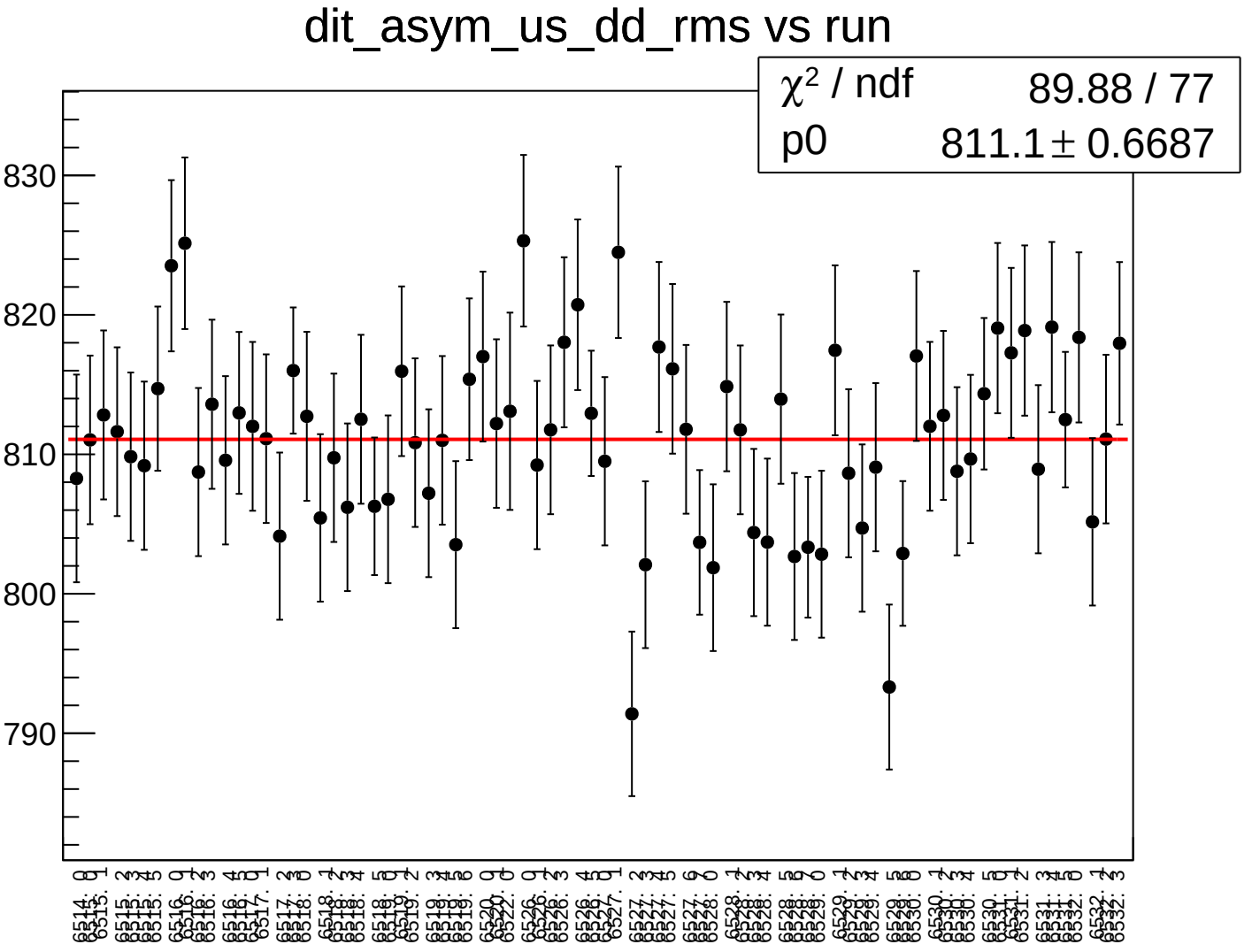

asym_us_avg_mean vs run
χ² / ndf 80.2 / 77
p0 −766.3 ± 1967
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 78
Mean −258.4
Std Dev 281.1
2
1
0
−1
−2

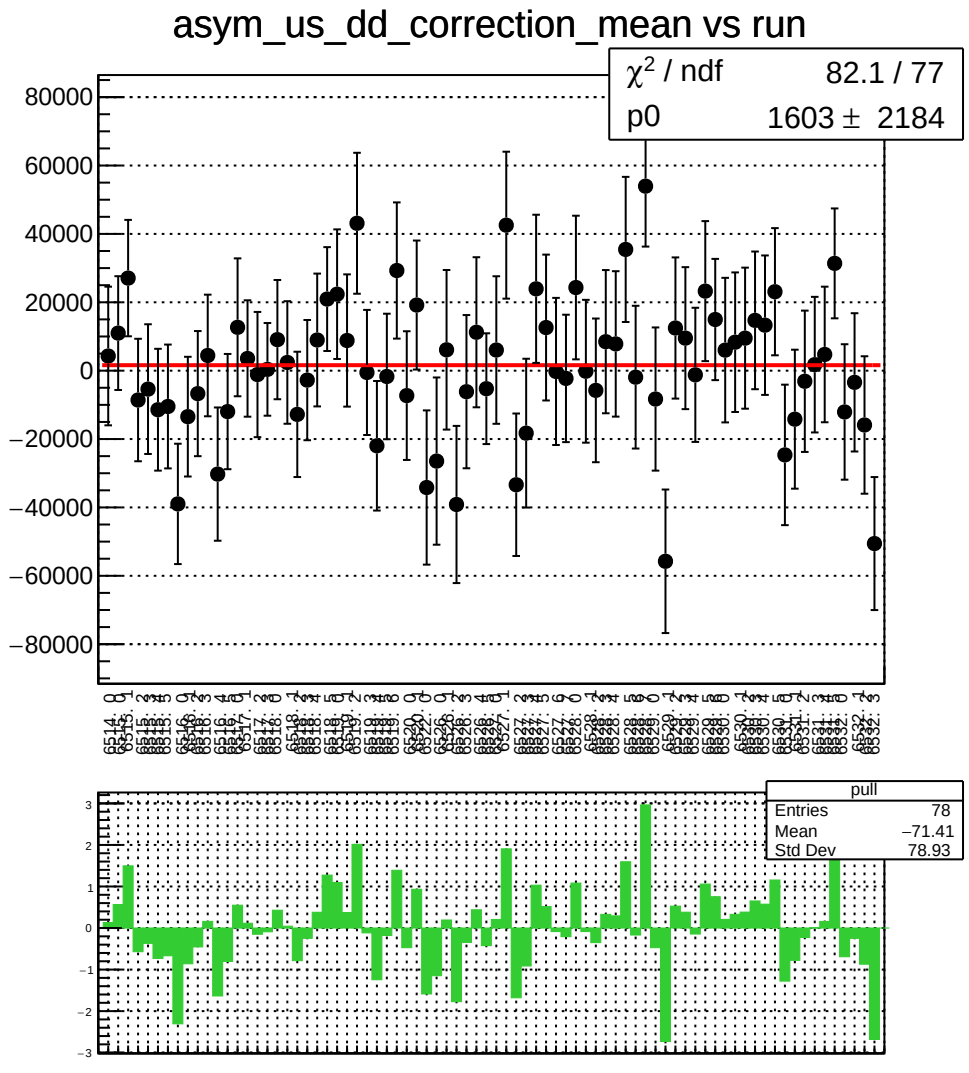

pull1D
Entries 78
Mean 0.007877
Std Dev 1.014
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

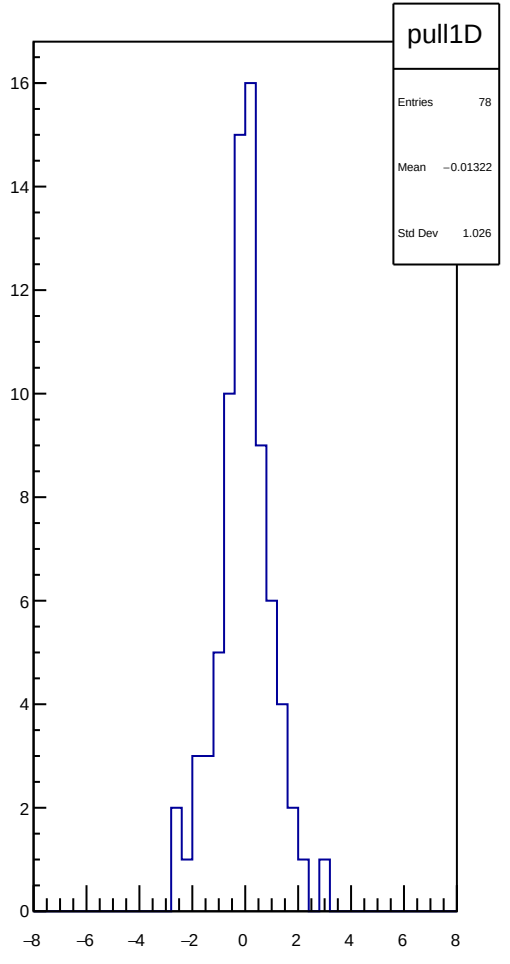

asym_us_avg_rms vs run
χ² / ndf 1.536e+04 / 77
p0 1678 ± 1.391
2200
2000
1800
1600
1400

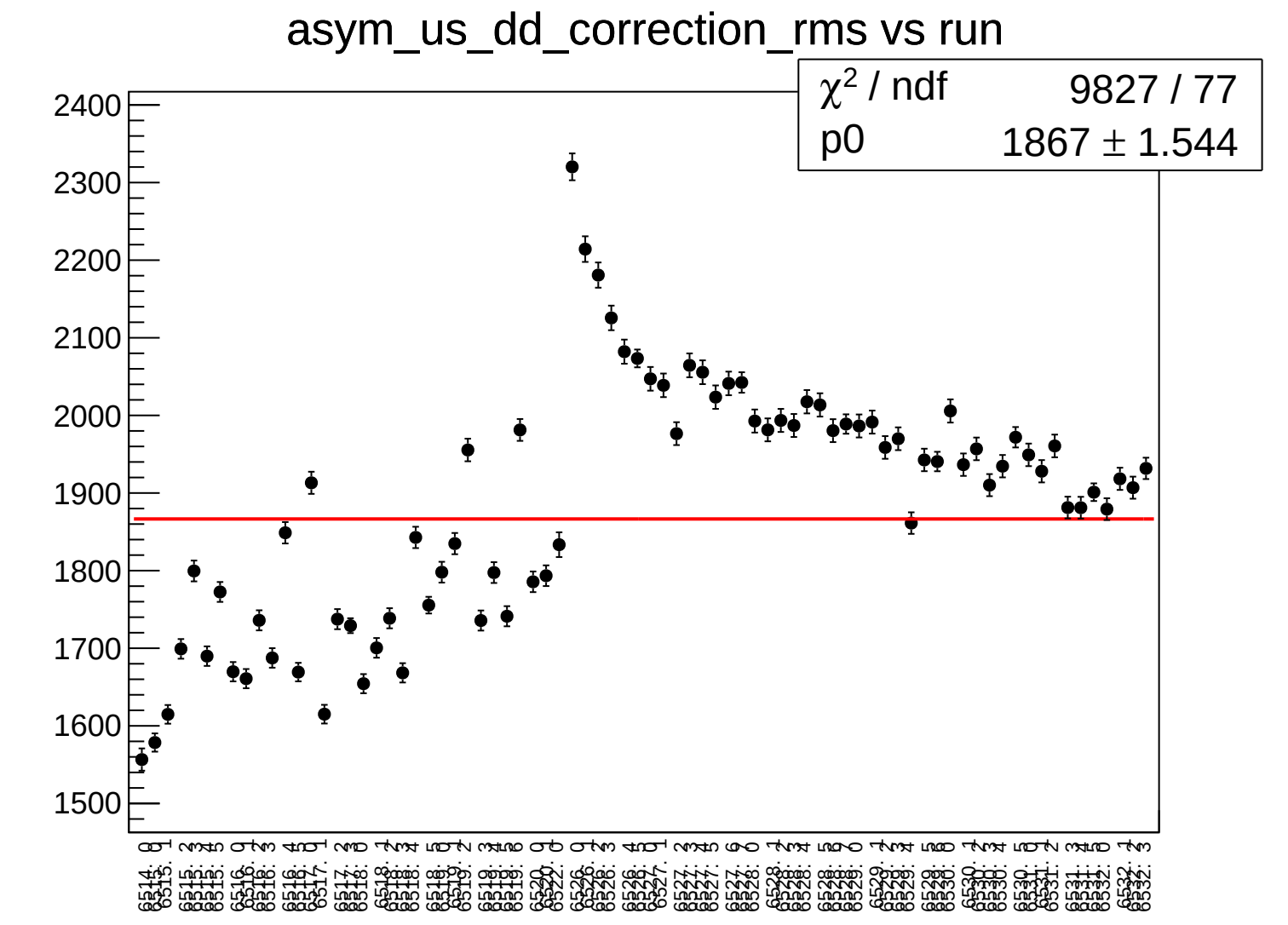

dit_asym_us_dd_mean vs run
χ² / ndf 68.22 / 77
p0 629 ± 945.7
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 78
Mean 574.4
Std Dev 526.5
2
1
0
−1
−2
−3

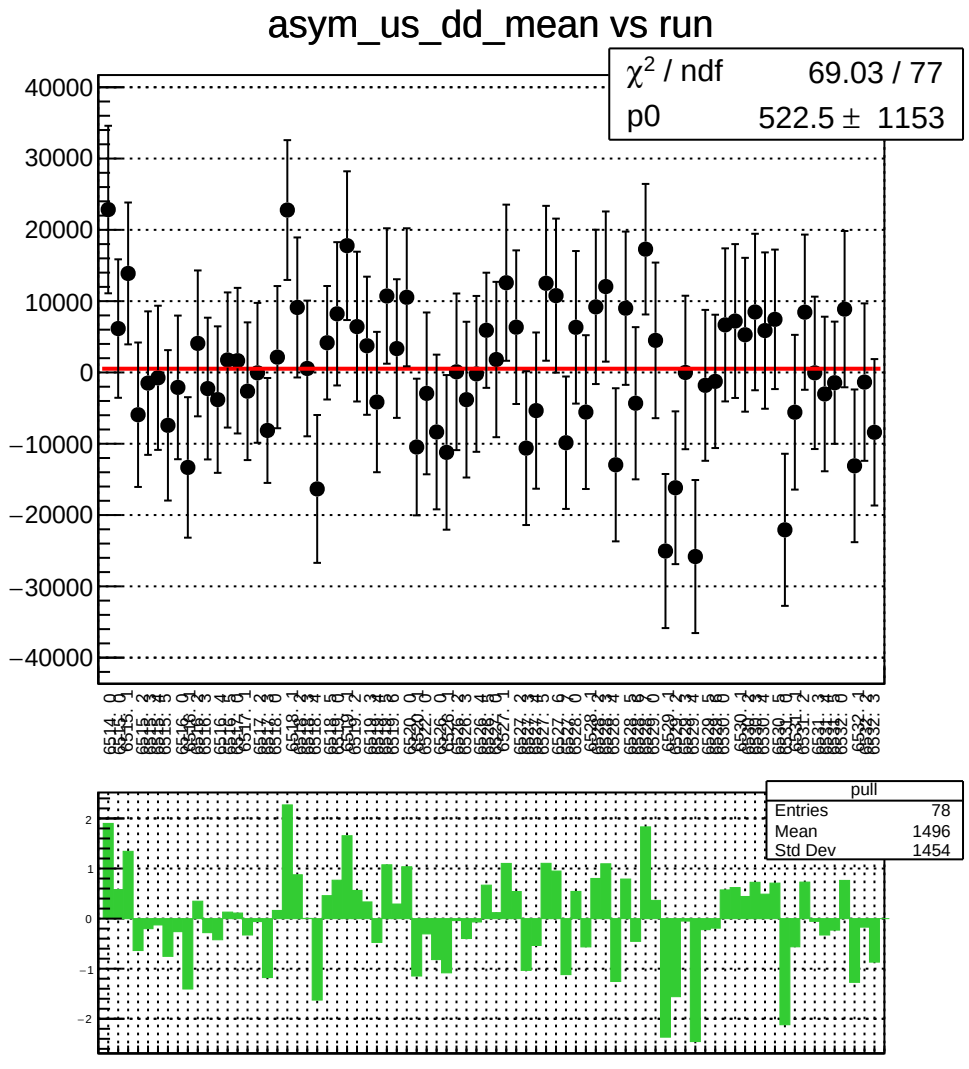

pull1D
Entries 78
Mean −0.002562
Std Dev 0.9352
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

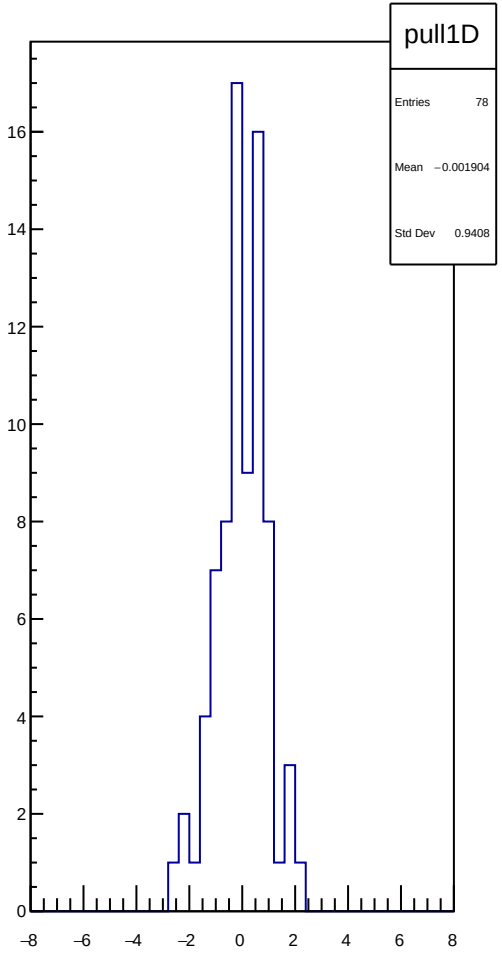

dit_asym_us_dd_rms vs run
χ² / ndf 89.88 / 77
p0 811.1 ± 0.6687
830
820
810
800
790

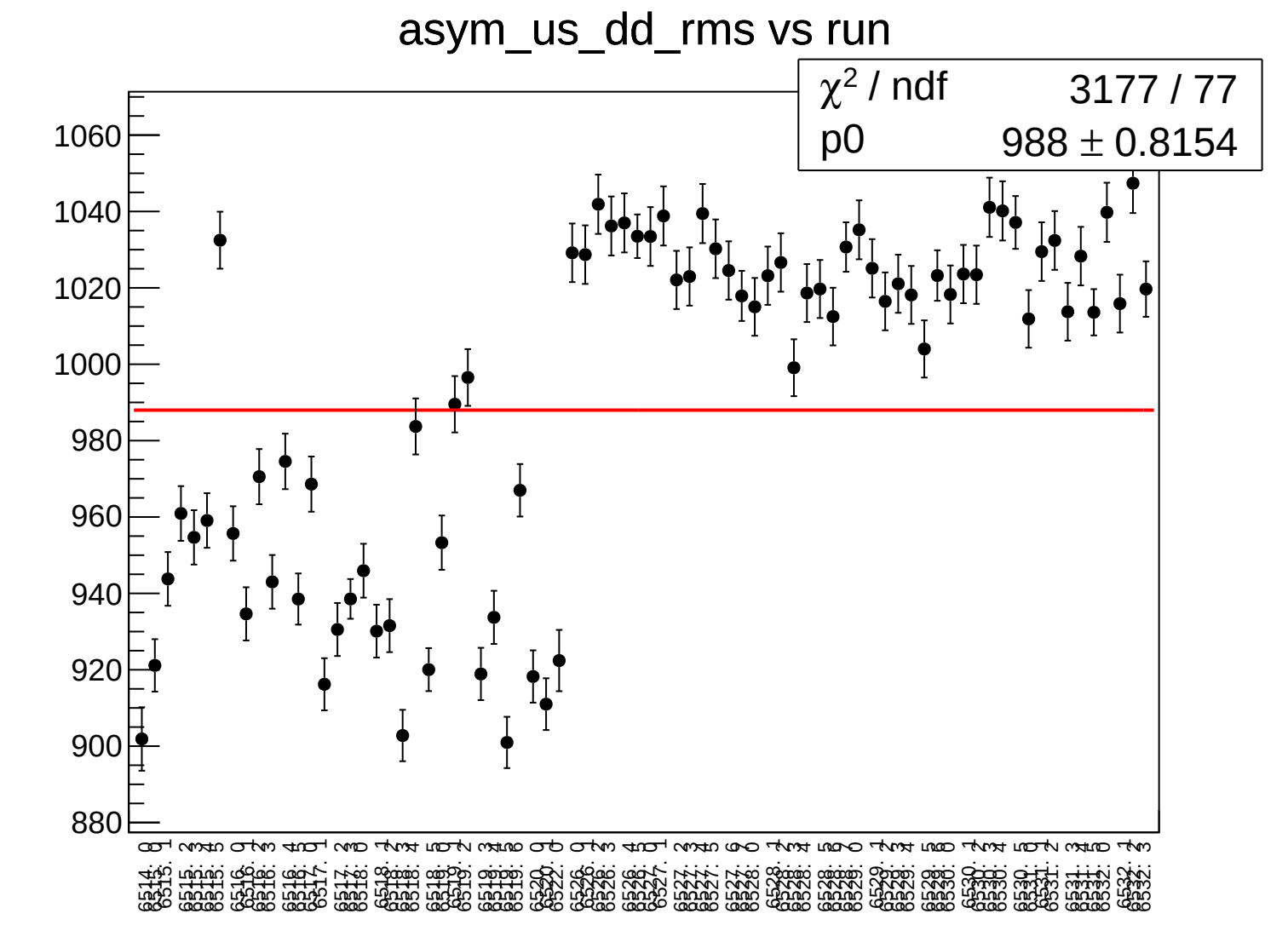

asym_us_dd_correction_mean vs run
χ² / ndf 82.1 / 77
p0 1603 ± 2184
pull
Entries 78
Mean −71.41
Std Dev 78.93

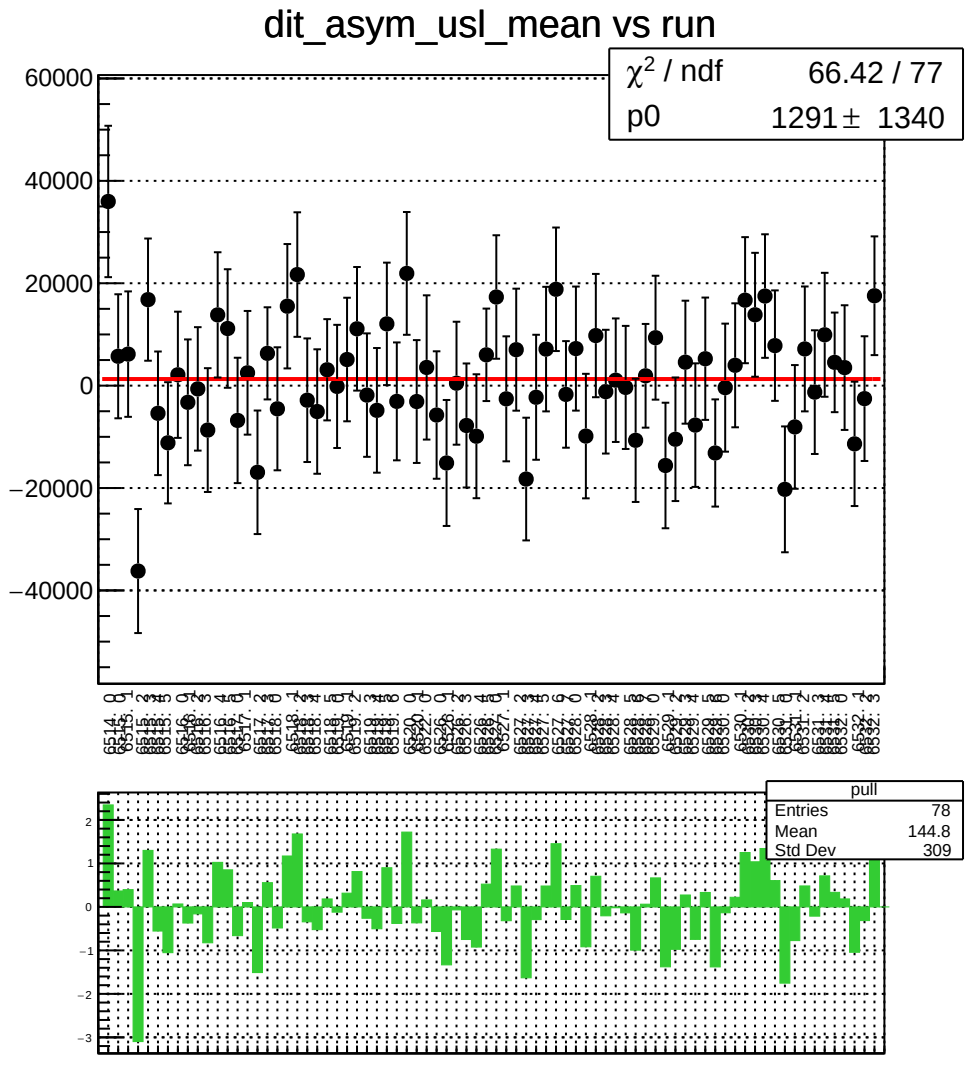

pull1D
Entries 78
Mean −0.01322
Std Dev 1.026

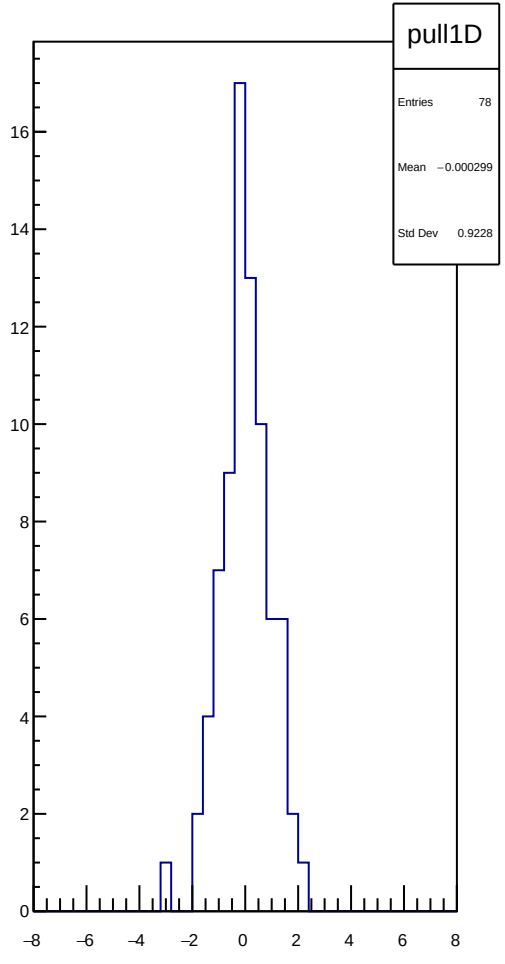

asym_us_dd_correction_rms vs run
χ² / ndf 9827 / 77
p0 1867 ± 1.544
2400
2300
2200
2100
2000
1900
1800
1700
1600
1500

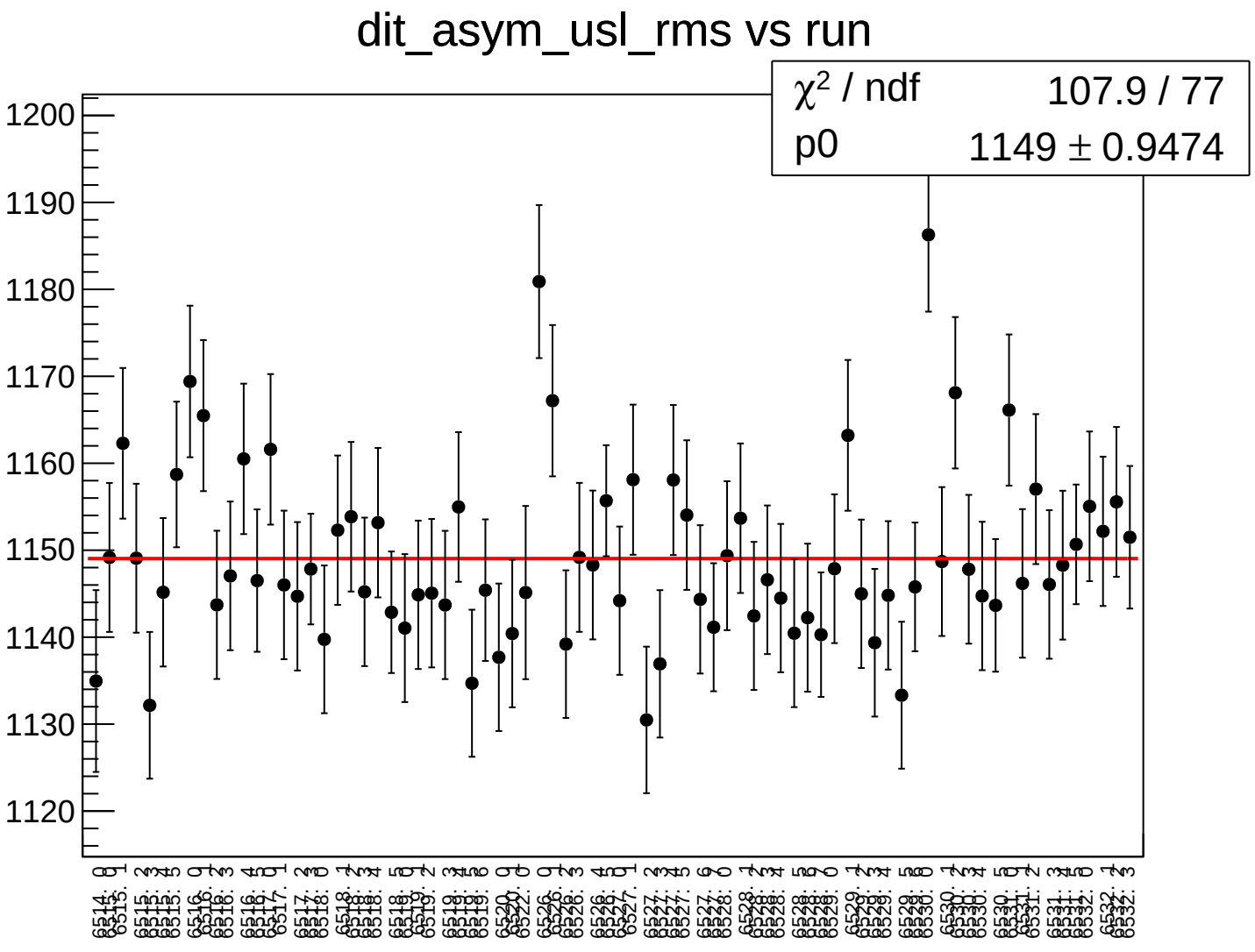

asym_us_dd_mean vs run
χ² / ndf 69.03 / 77
p0 522.5 ± 1153
pull
Entries 78
Mean 1496
Std Dev 1454

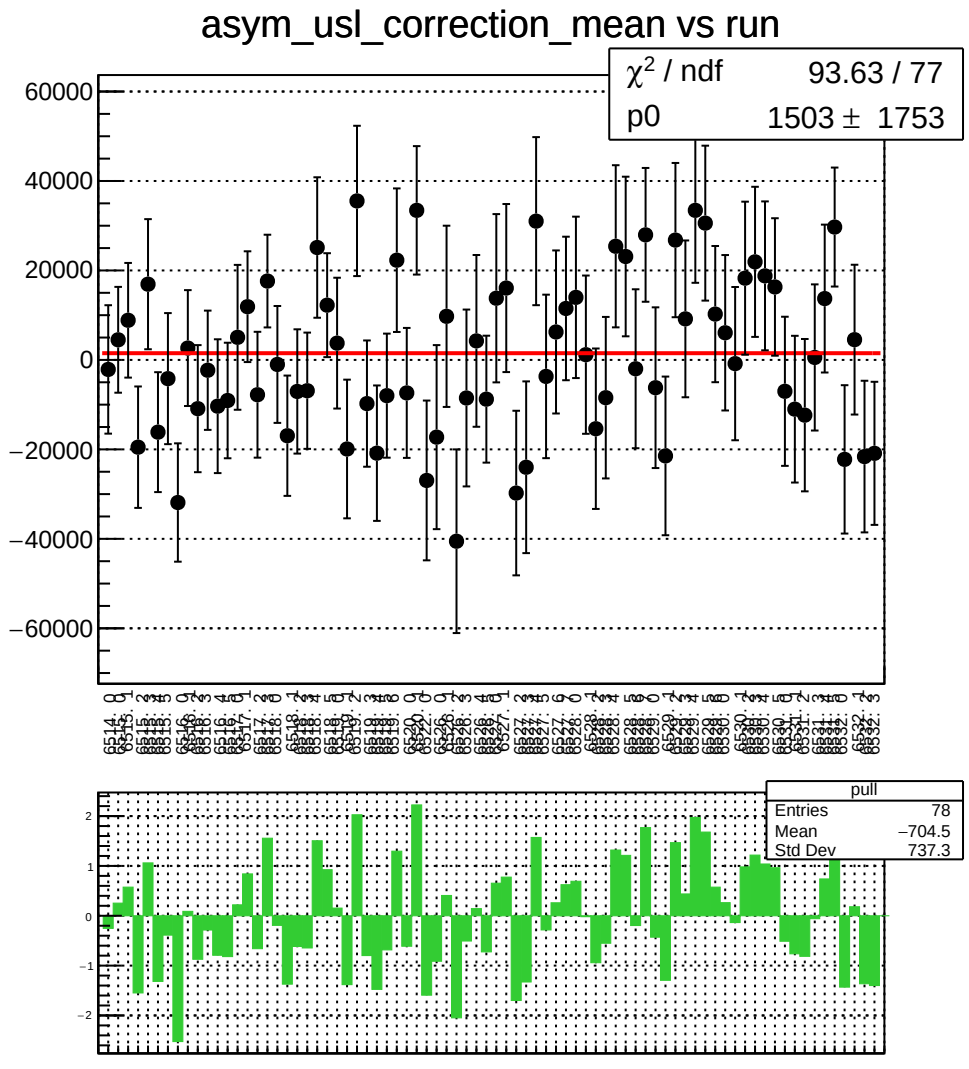

pull1D
Entries 78
Mean −0.001904
Std Dev 0.9408

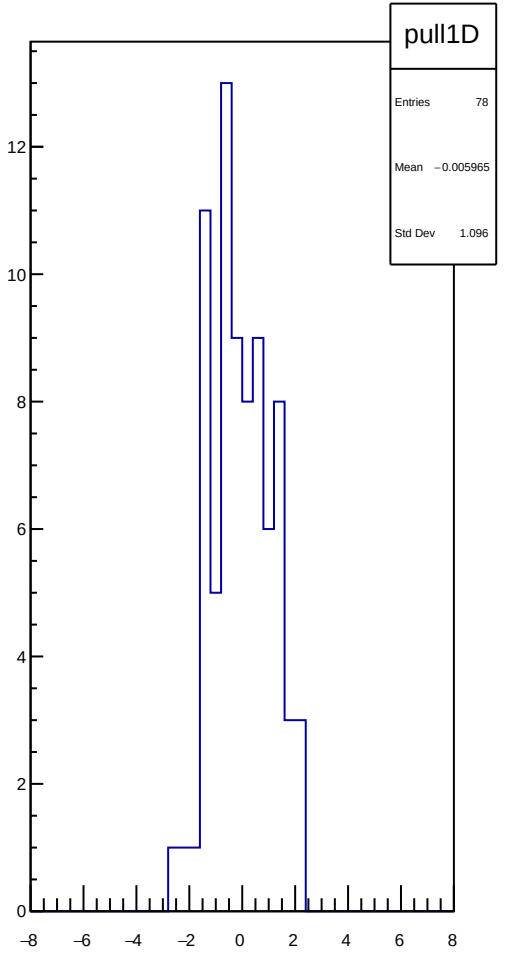

asym_us_dd_rms vs run
χ² / ndf 3177 / 77
p0 988 ± 0.8154
1060
1040
1020
1000
980
960
940
920
900
880

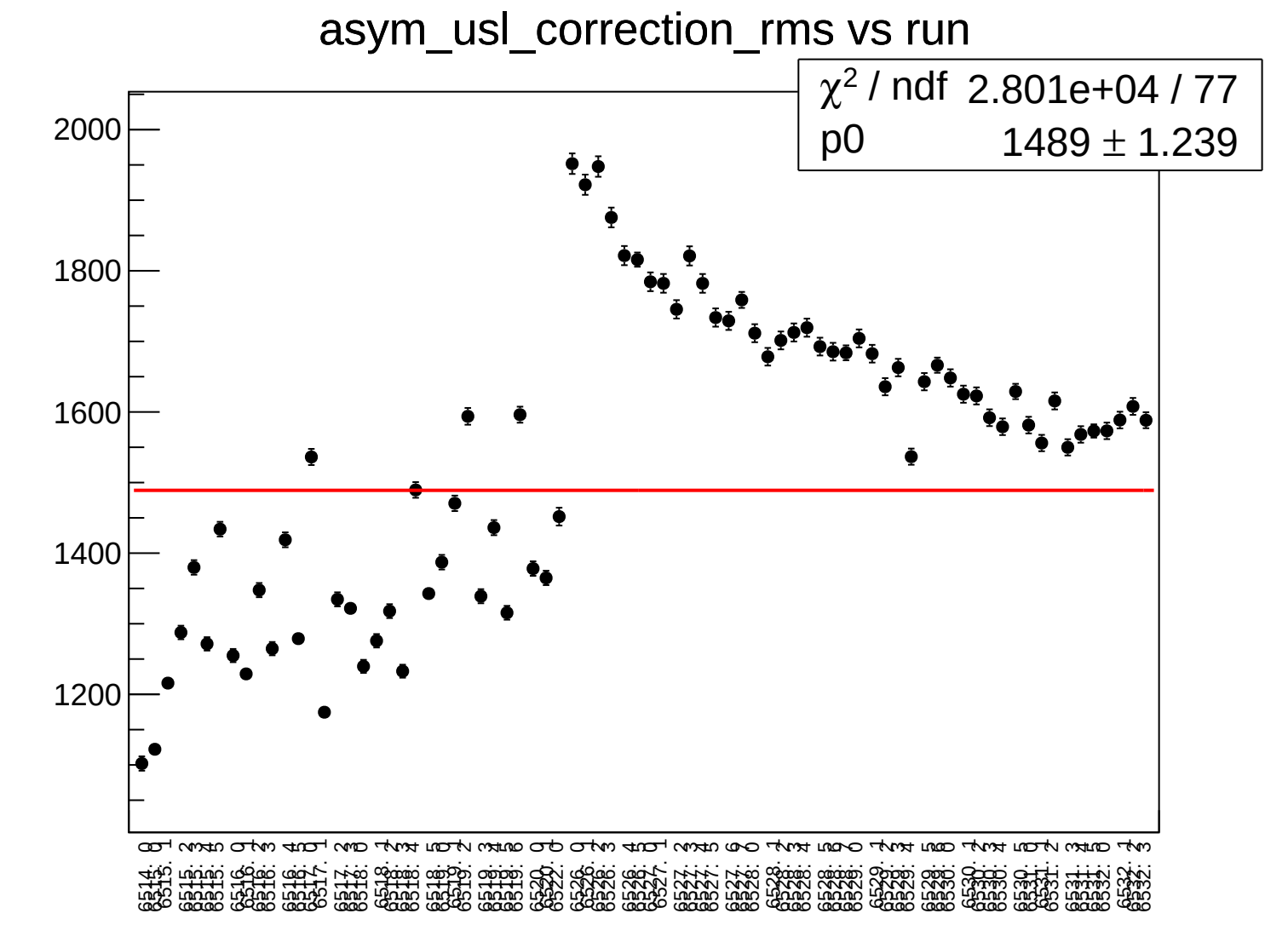

dit_asym_usl_mean vs run
χ² / ndf 66.42 / 77
p0 1291 ± 1340
60000
40000
20000
0
−20000
−40000
pull
Entries 78
Mean 144.8
Std Dev 309
2
1
0
−1
−2
−3

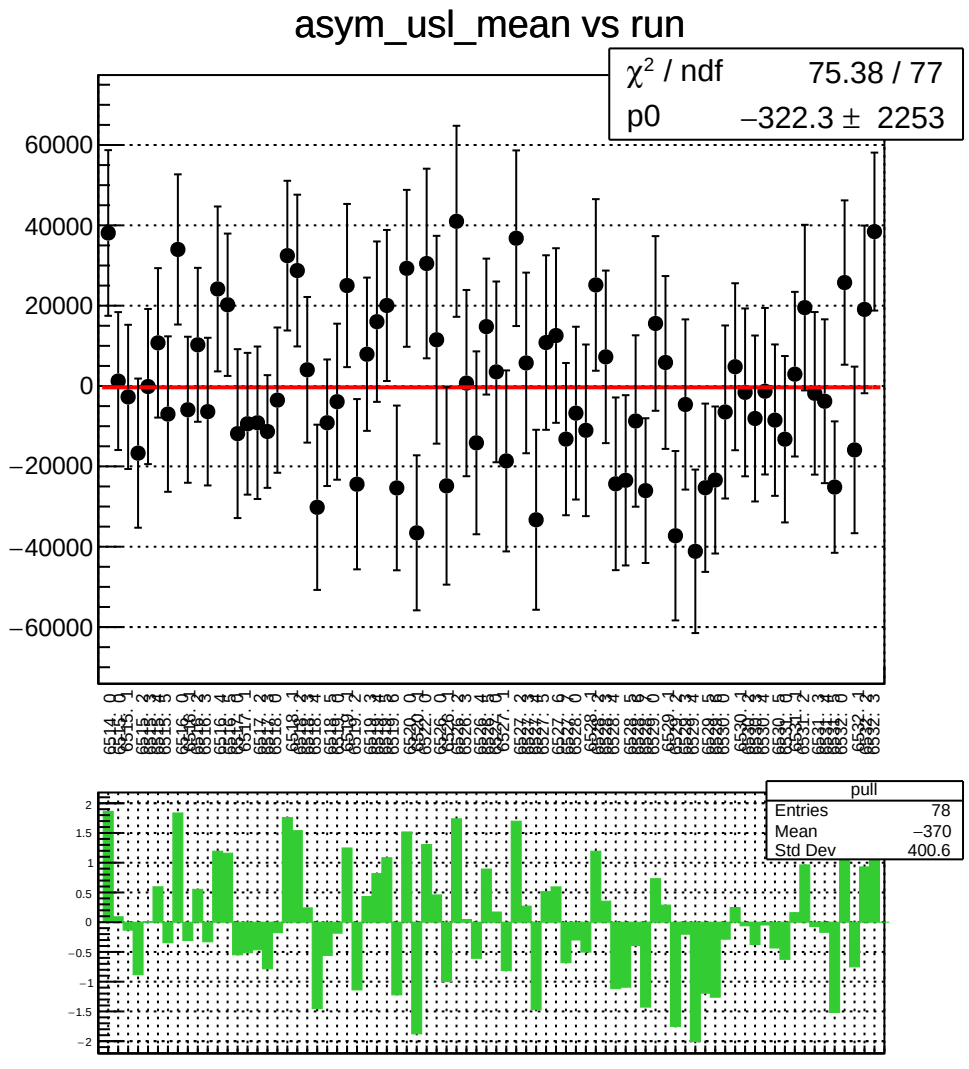

pull1D
Entries 78
Mean −0.000299
Std Dev 0.9228
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

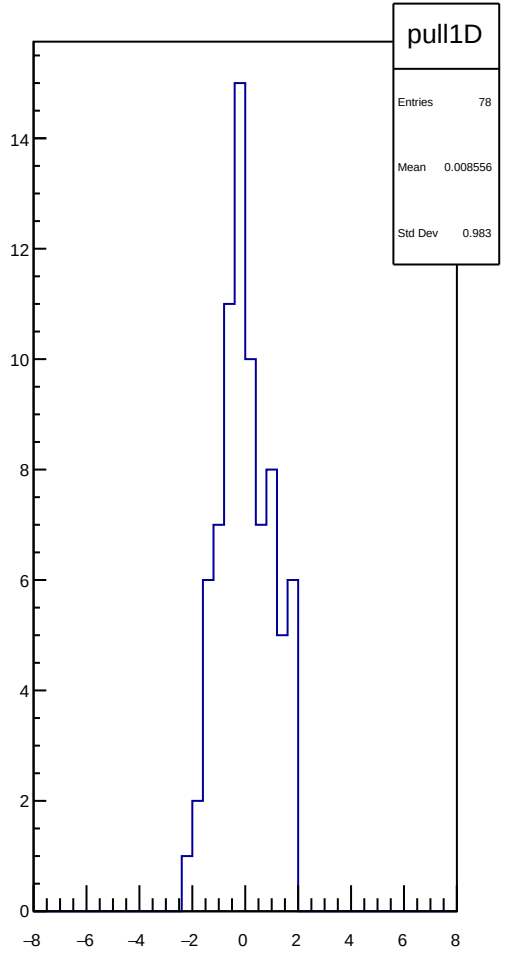

dit_asym_usl_rms vs run
χ² / ndf 107.9 / 77
p0 1149 ± 0.9474
1200
1190
1180
1170
1160
1150
1140
1130
1120

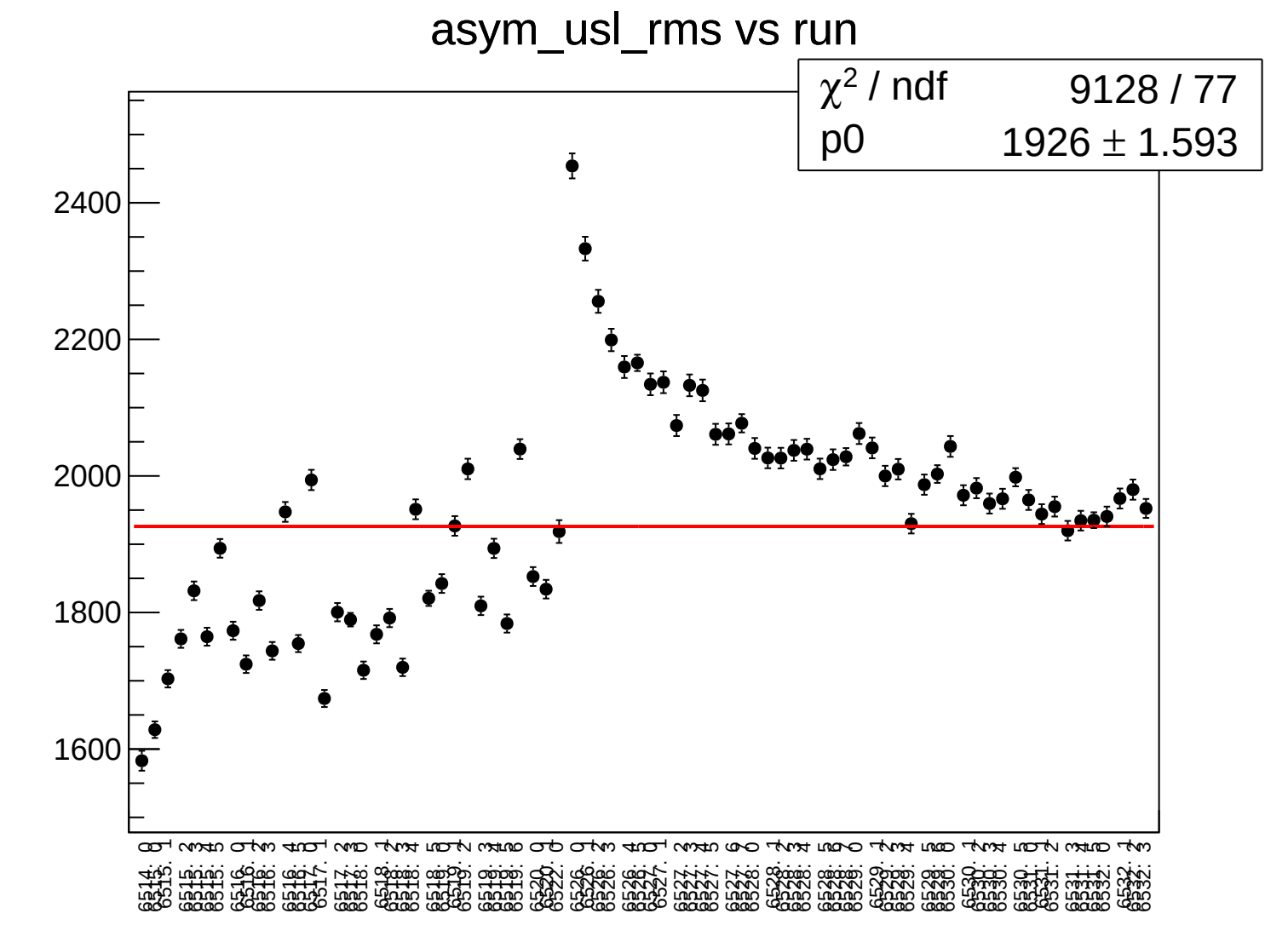

asym_usl_correction_mean vs run
χ² / ndf 93.63 / 77
p0 1503 ± 1753
pull
Entries 78
Mean −704.5
Std Dev 737.3

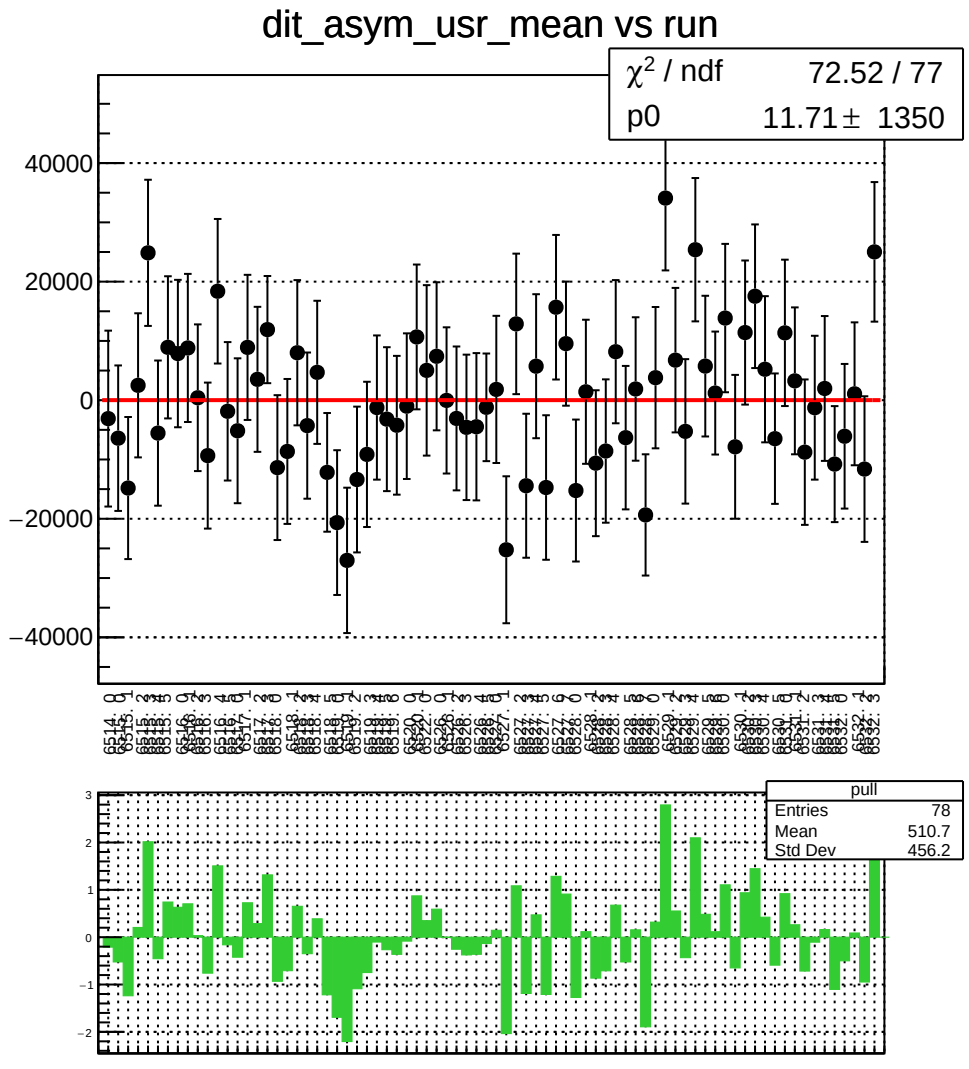

pull1D
Entries 78
Mean −0.005965
Std Dev 1.096

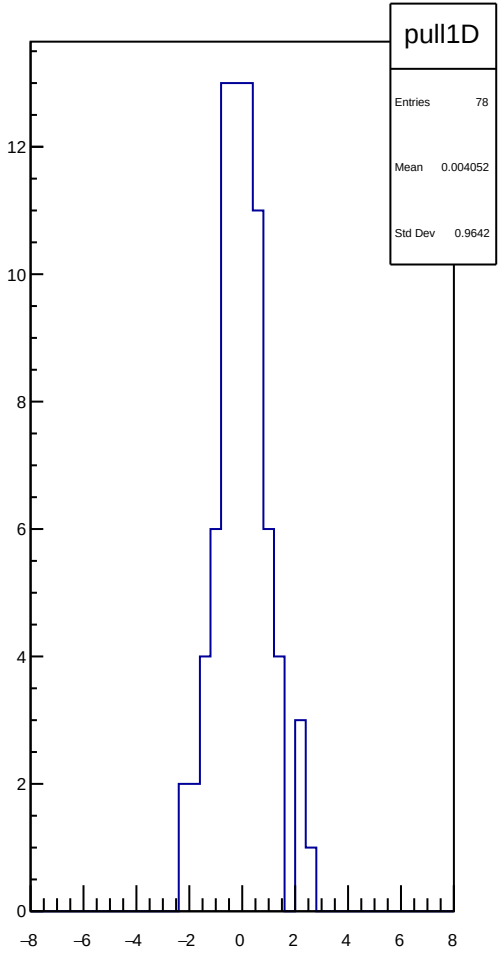

asym_usl_correction_rms vs run
χ² / ndf 2.801e+04 / 77
p0 1489 ± 1.239
2000
1800
1600
1400
1200

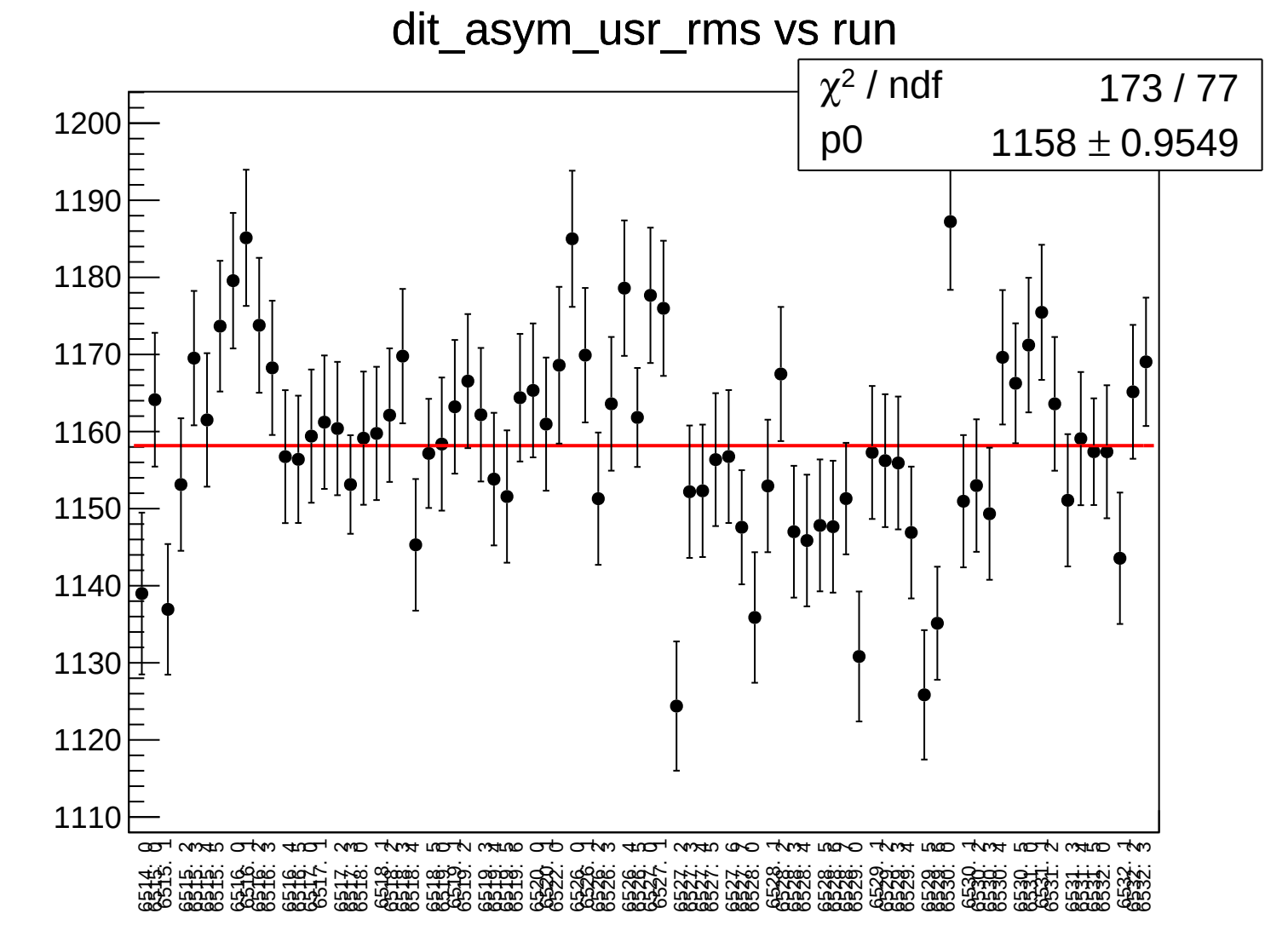

asym_usl_mean vs run
χ² / ndf 75.38 / 77
p0 −322.3 ± 2253
pull
Entries 78
Mean −370
Std Dev 400.6

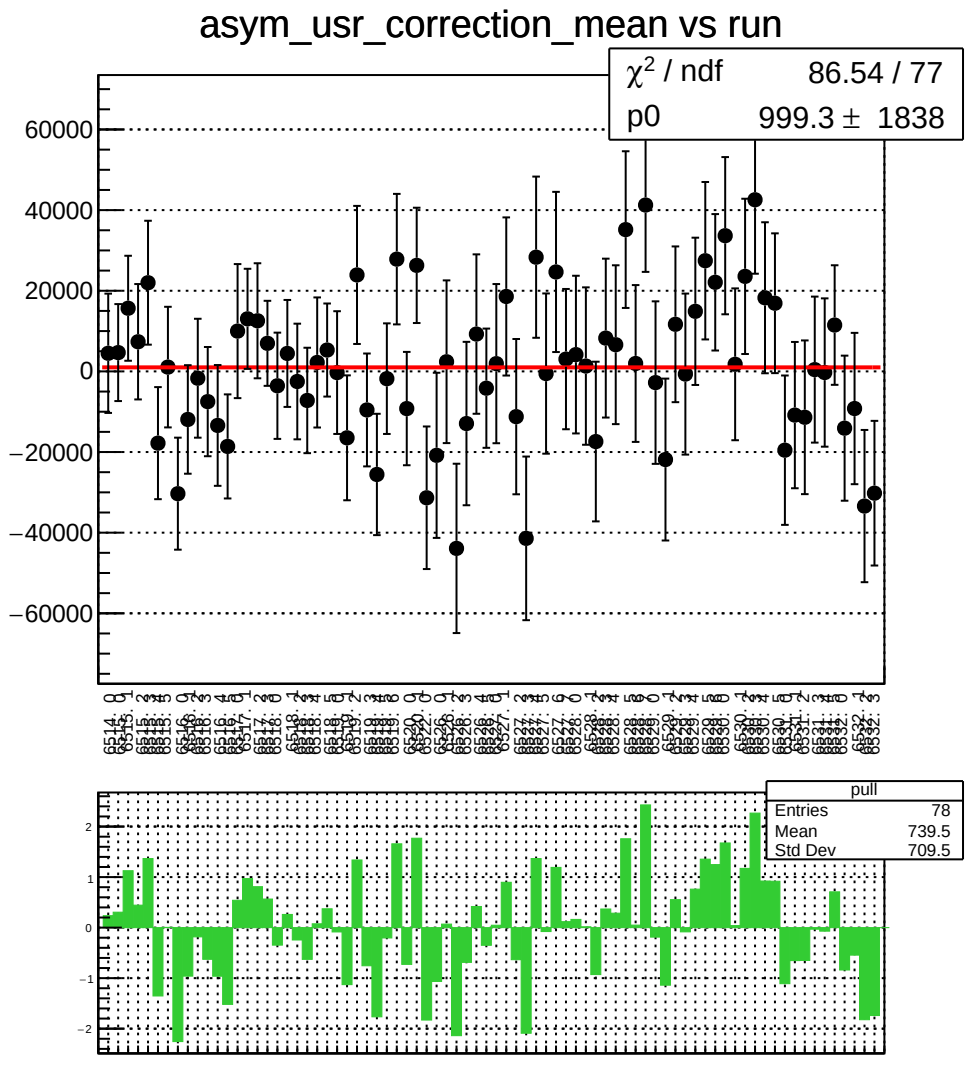

pull1D
Entries 78
Mean 0.008556
Std Dev 0.983

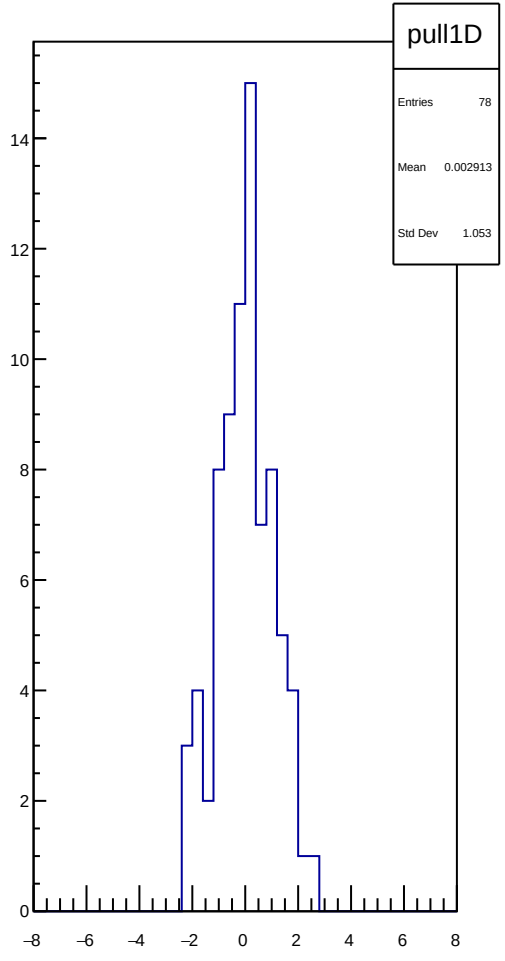

asym_usl_rms vs run
χ² / ndf 9128 / 77
p0 1926 ± 1.593
2400
2200
2000
1800
1600

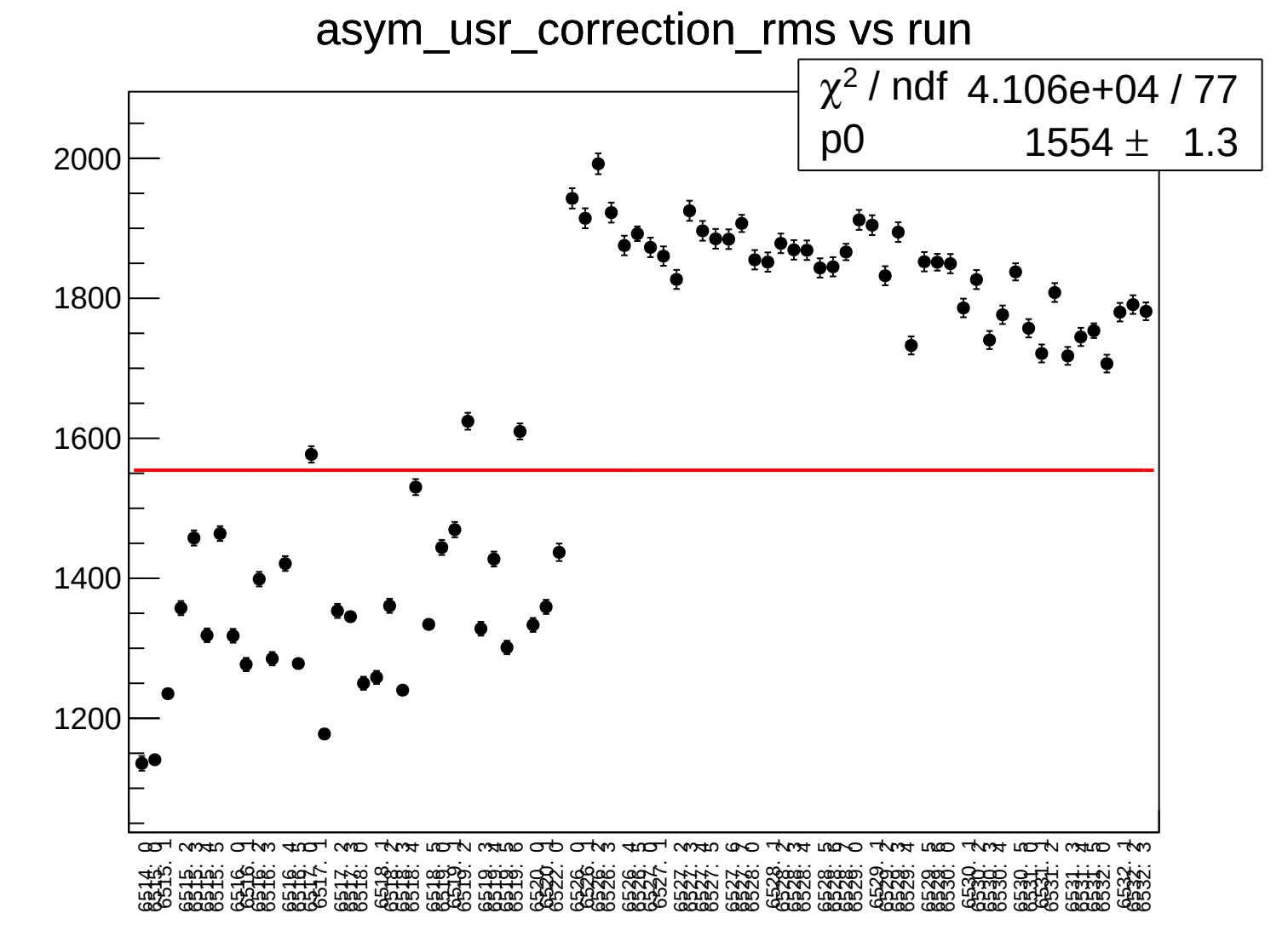

dit_asym_usr_mean vs run
χ² / ndf 72.52 / 77
p0 11.71 ± 1350
40000
20000
0
−20000
−40000
pull
Entries 78
Mean 510.7
Std Dev 456.2
3
2
1
0
−1
−2

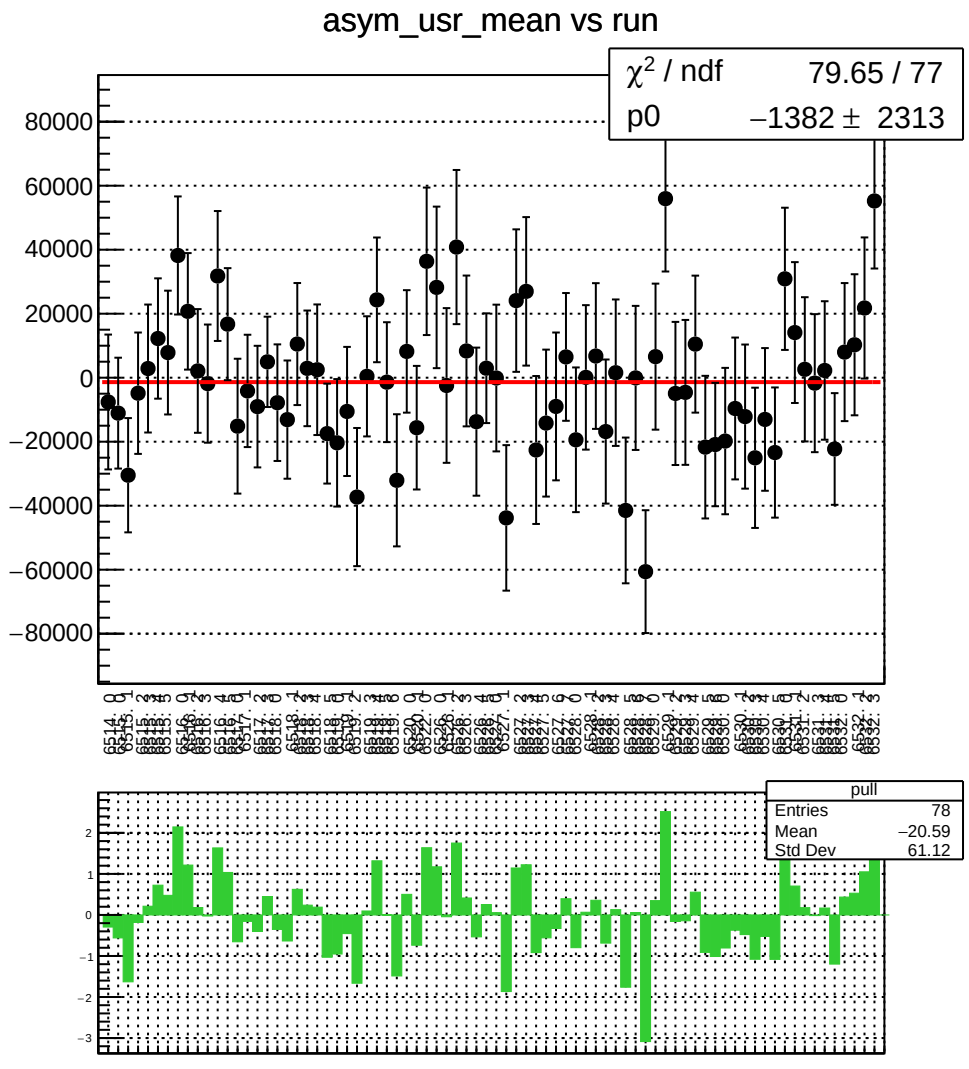

pull1D
Entries 78
Mean 0.004052
Std Dev 0.9642
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

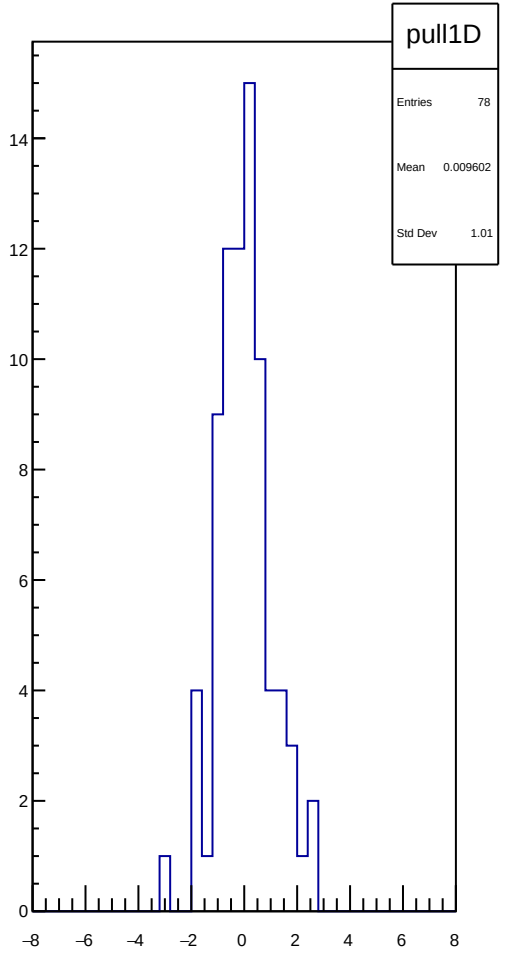

dit_asym_usr_rms vs run
χ² / ndf 173 / 77
p0 1158 ± 0.9549
1200
1190
1180
1170
1160
1150
1140
1130
1120
1110

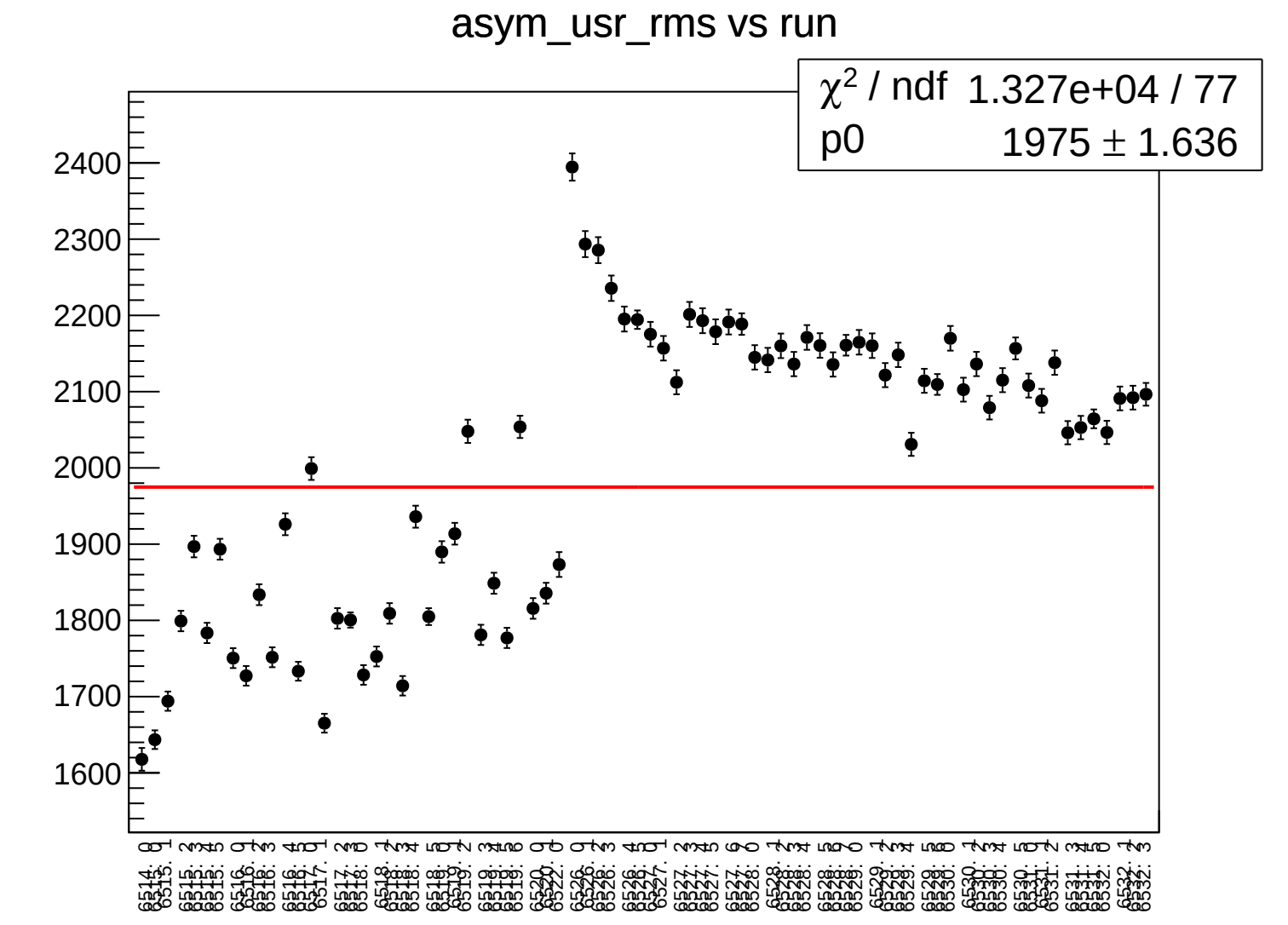

asym_usr_correction_mean vs run
χ² / ndf 86.54 / 77
p0 999.3 ± 1838
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 78
Mean 739.5
Std Dev 709.5
2
1
0
−1
−2

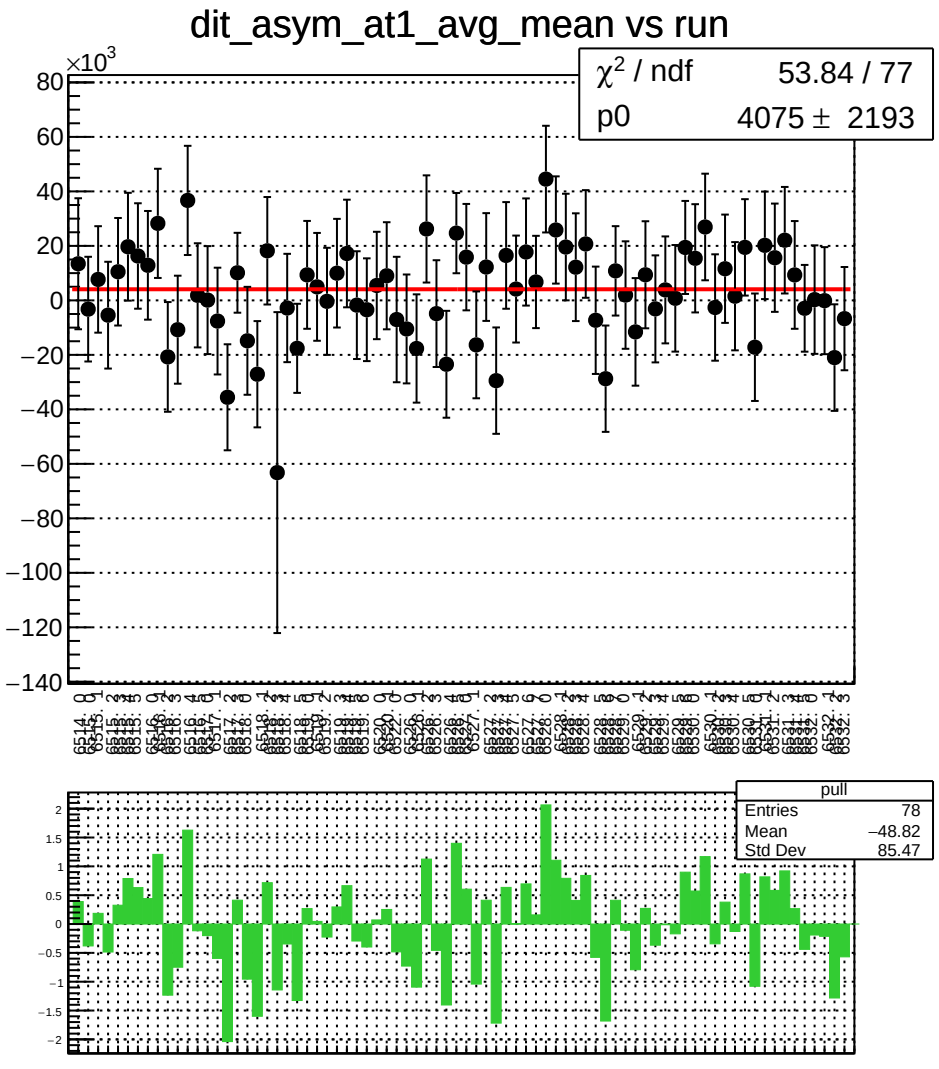

pull1D
Entries 78
Mean 0.002913
Std Dev 1.053
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

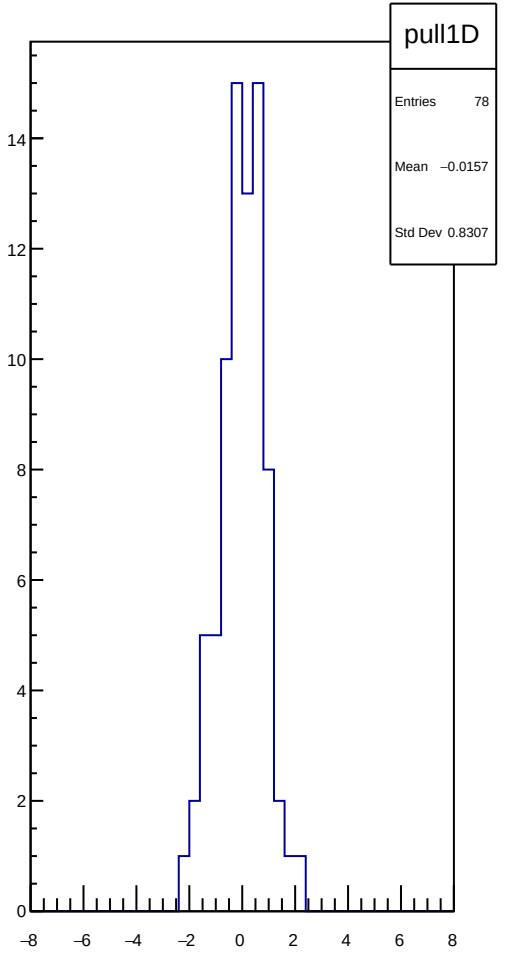

asym_usr_correction_rms vs run
χ² / ndf 4.106e+04 / 77
p0 1554 ± 1.3
2000
1800
1600
1400
1200

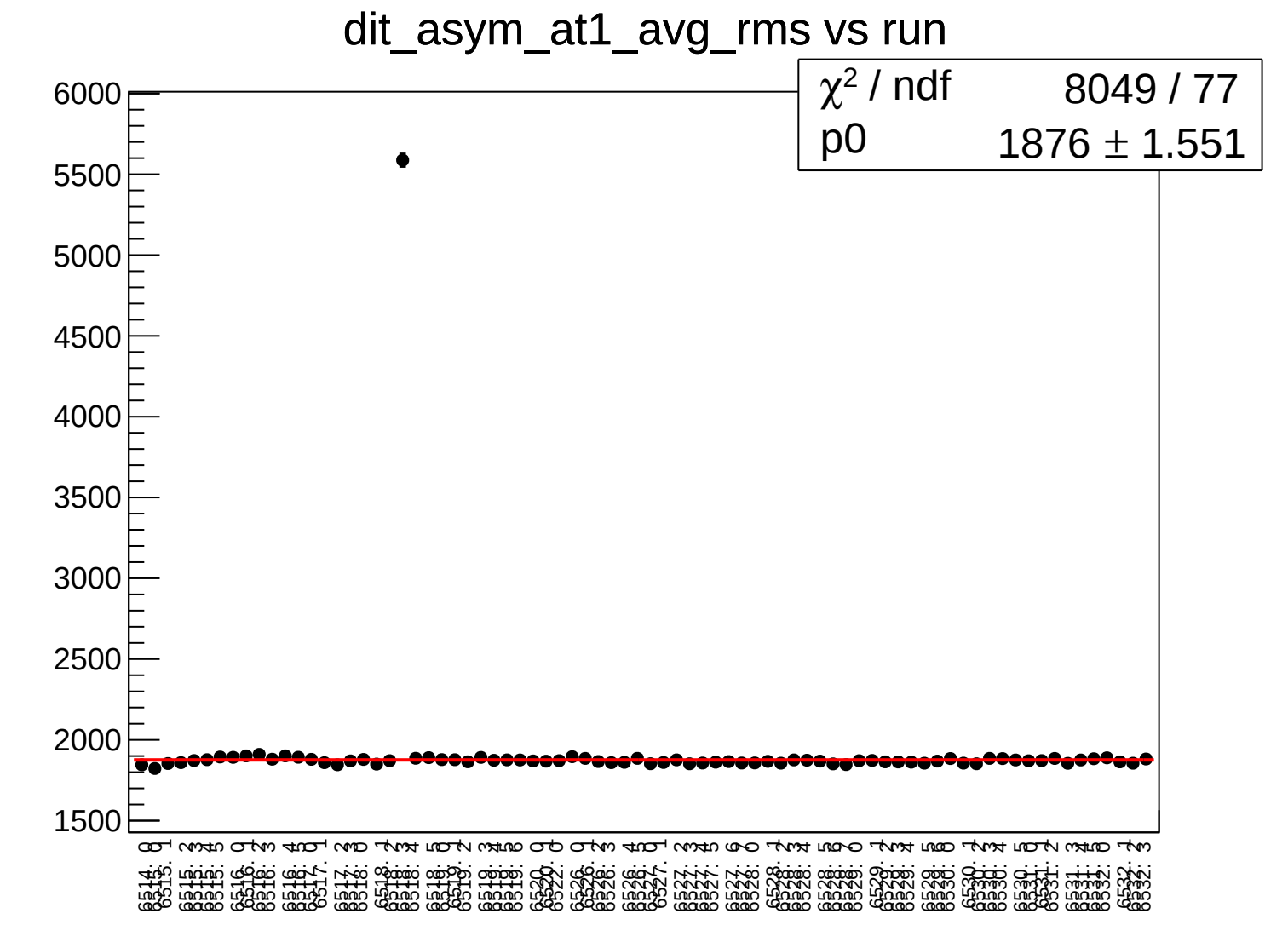

asym_usr_mean vs run
χ² / ndf 79.65 / 77
p0 −1382 ± 2313
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 78
Mean −20.59
Std Dev 61.12
2
1
0
−1
−2
−3

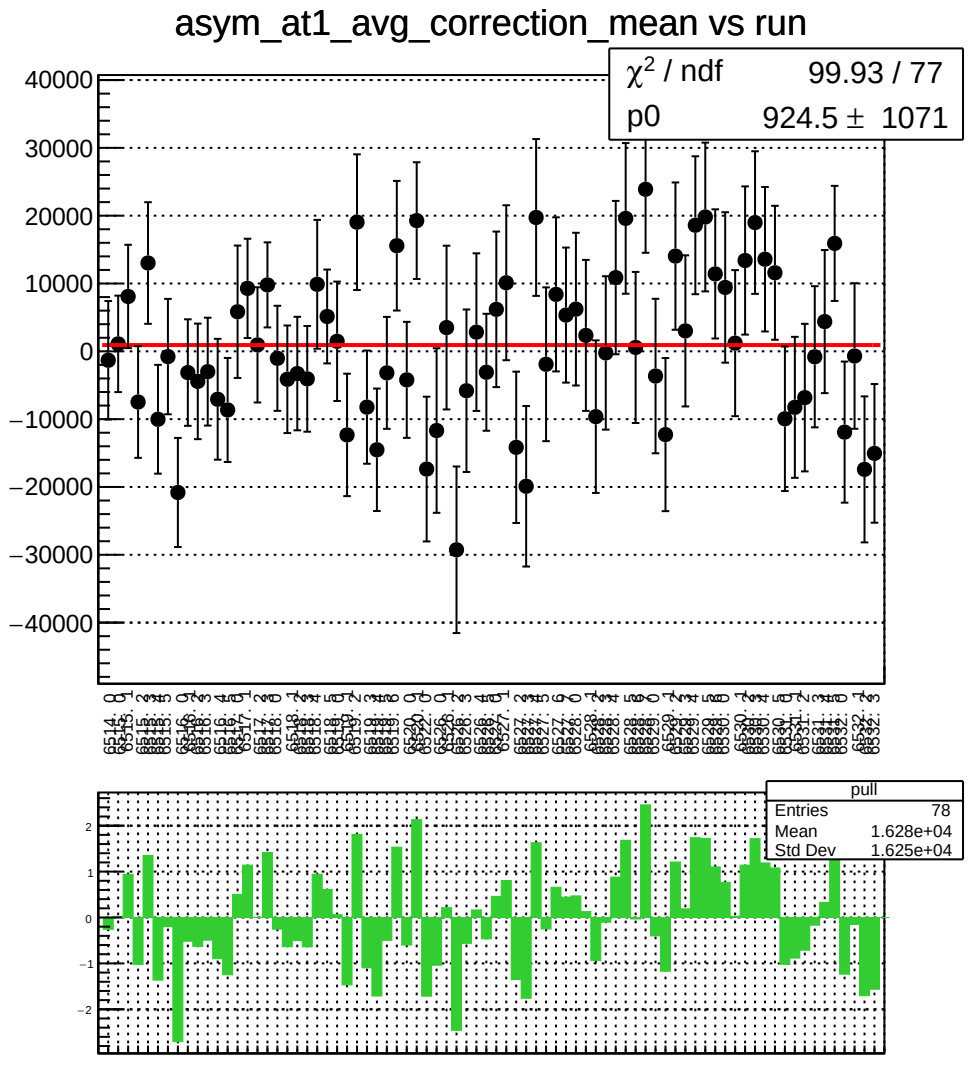

pull1D
Entries 78
Mean 0.009602
Std Dev 1.01
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

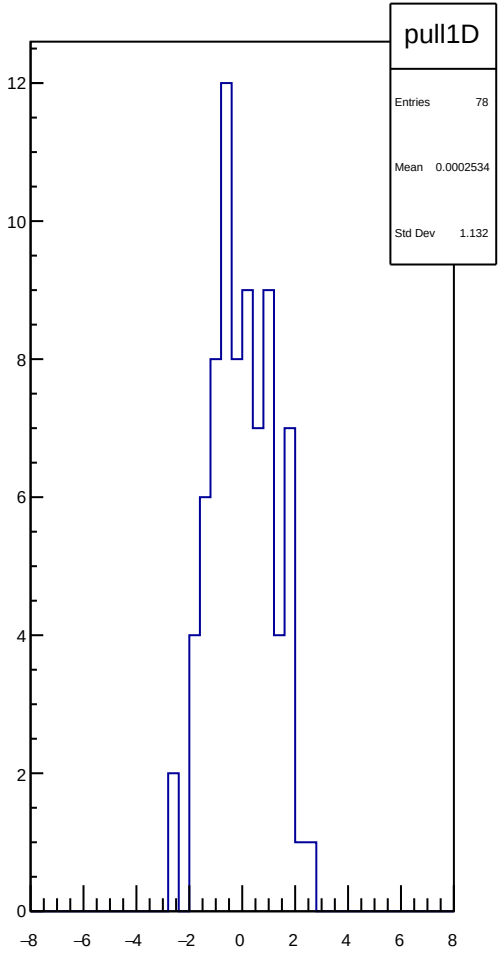

asym_usr_rms vs run
χ² / ndf 1.327e+04 / 77
p0 1975 ± 1.636
2400
2300
2200
2100
2000
1900
1800
1700
1600

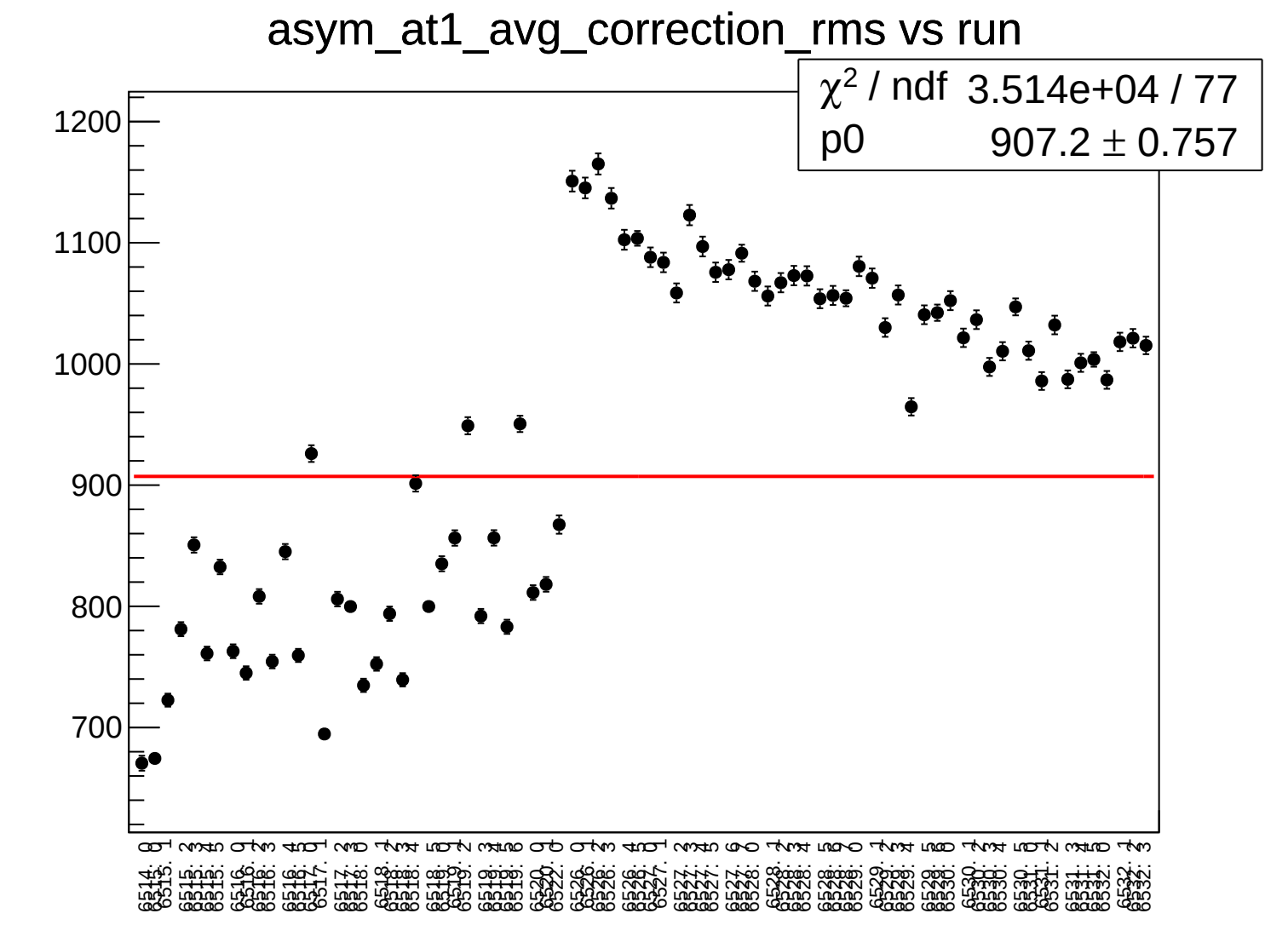

dit_asym_at1_avg_mean vs run
×10^3
χ^2 / ndf 53.84 / 77
p0 4075 ± 2193
pull
Entries 78
Mean −48.82
Std Dev 85.47

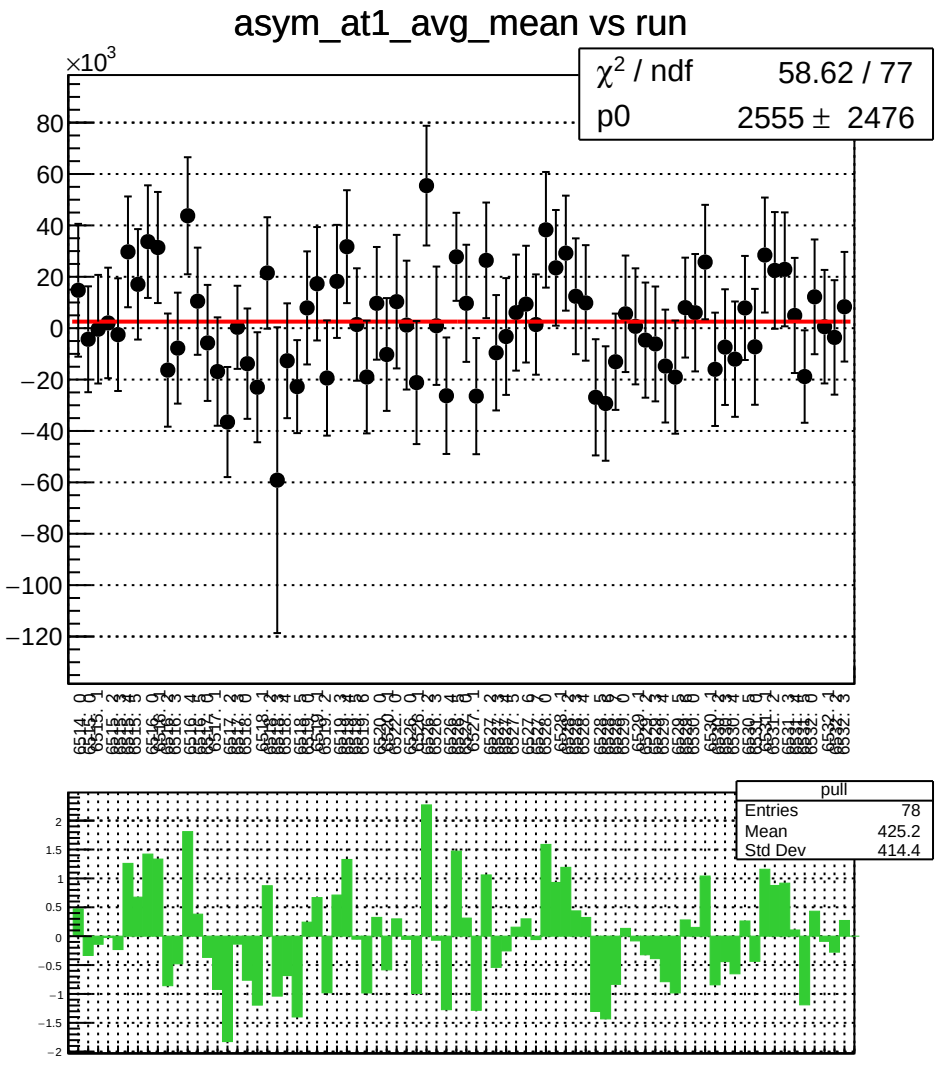

pull1D
Entries 78
Mean −0.0157
Std Dev 0.8307

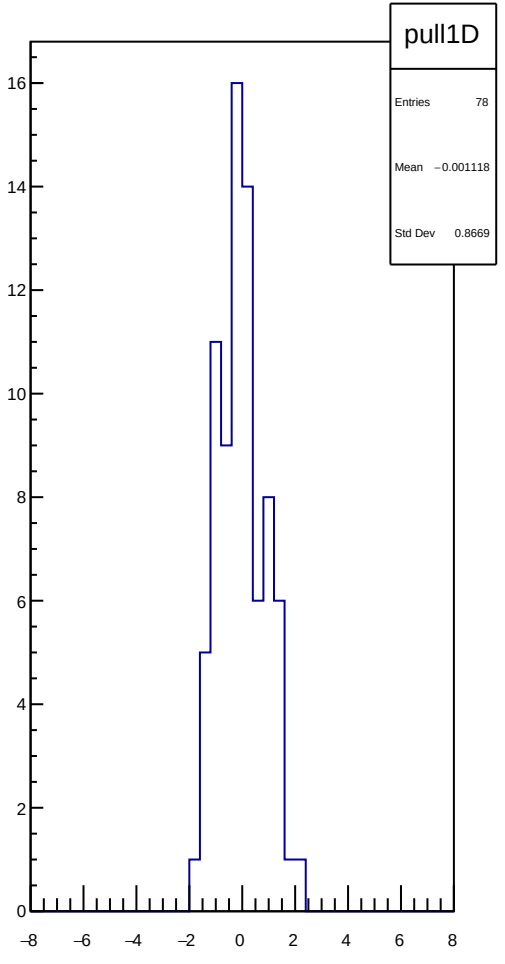

dit_asym_at1_avg_rms vs run
χ² / ndf 8049 / 77
p0 1876 ± 1.551
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

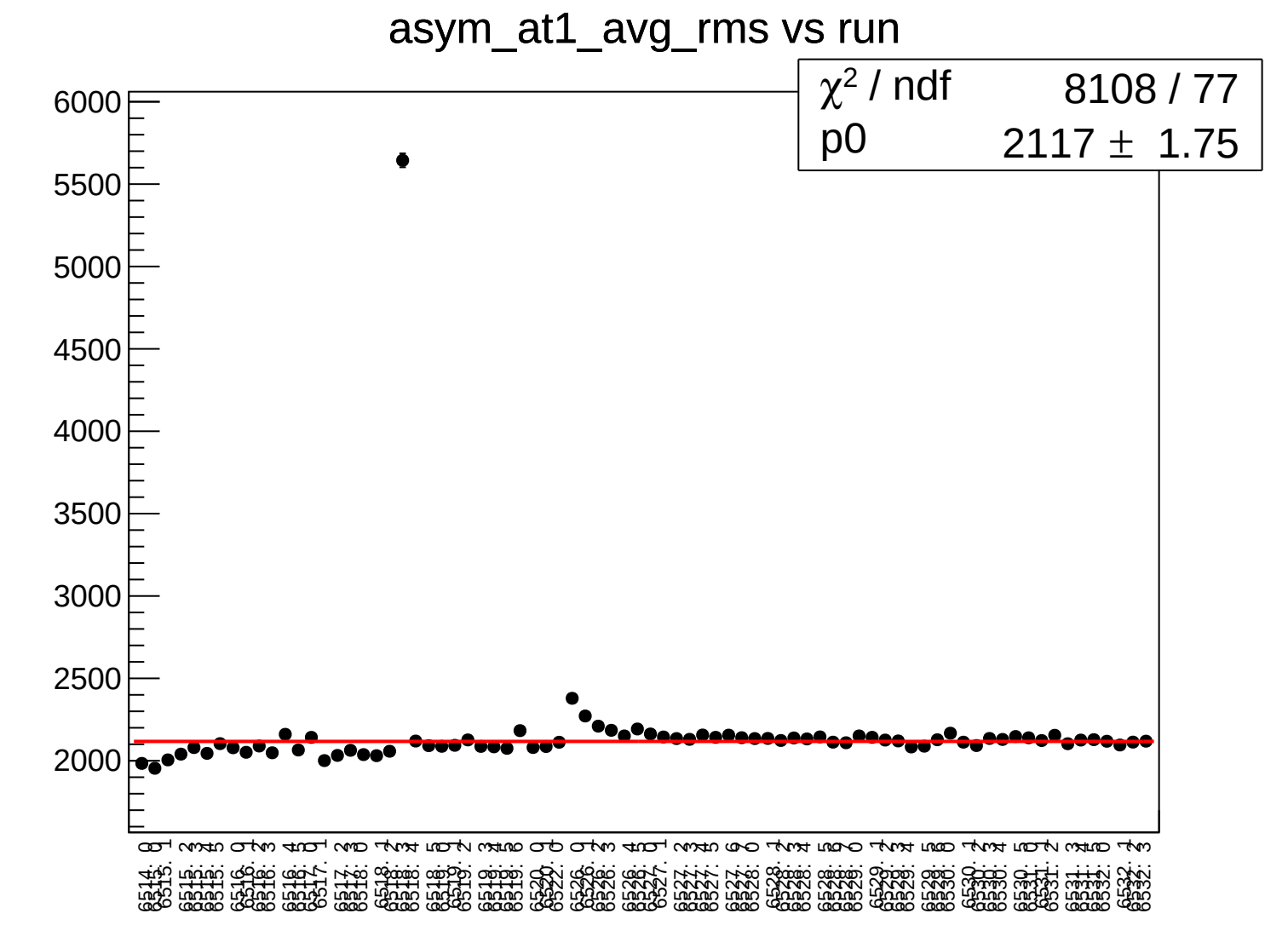

asym_at1_avg_correction_mean vs run
χ² / ndf 99.93 / 77
p0 924.5 ± 1071
pull
Entries 78
Mean 1.628e+04
Std Dev 1.625e+04

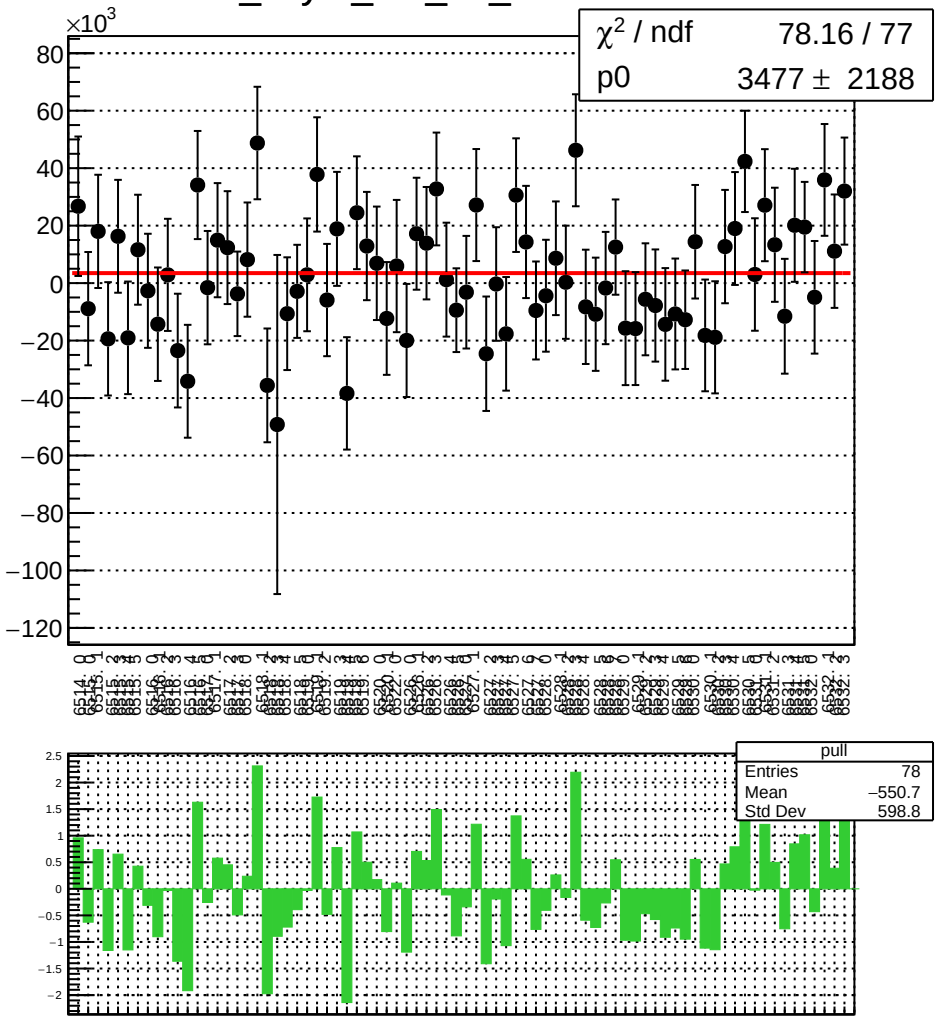

pull1D
Entries 78
Mean 0.0002534
Std Dev 1.132

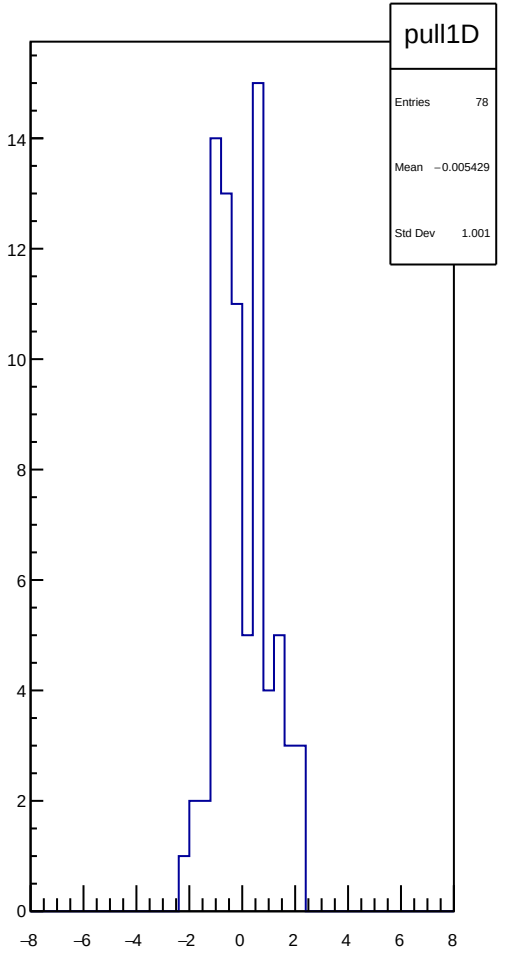

asym_at1_avg_correction_rms vs run
χ² / ndf 3.514e+04 / 77
p0 907.2 ± 0.757
1200
1100
1000
900
800
700

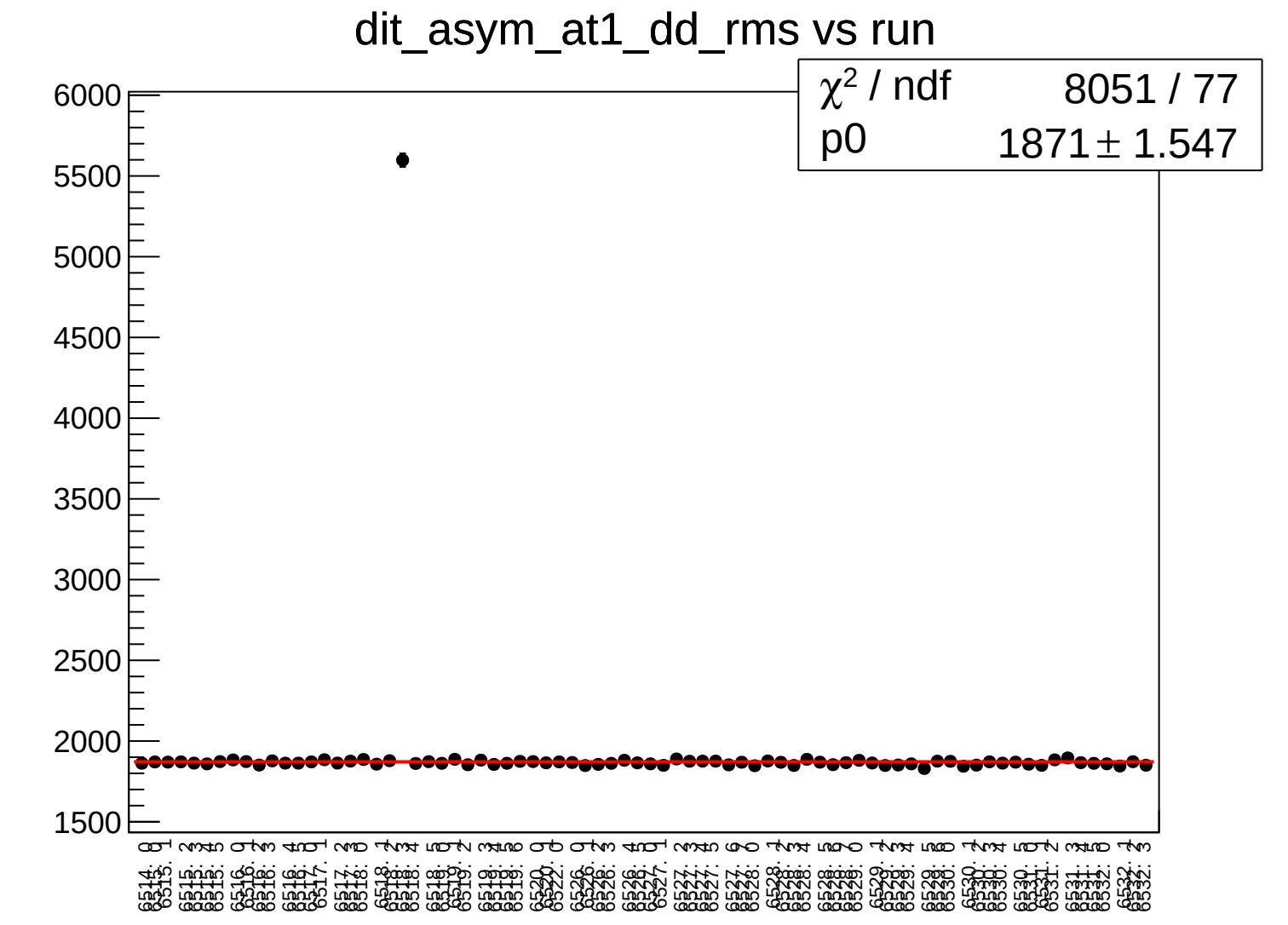

asym_at1_avg_mean vs run
×10^3
χ^2 / ndf 58.62 / 77
p0 2555 ± 2476
pull
Entries 78
Mean 425.2
Std Dev 414.4

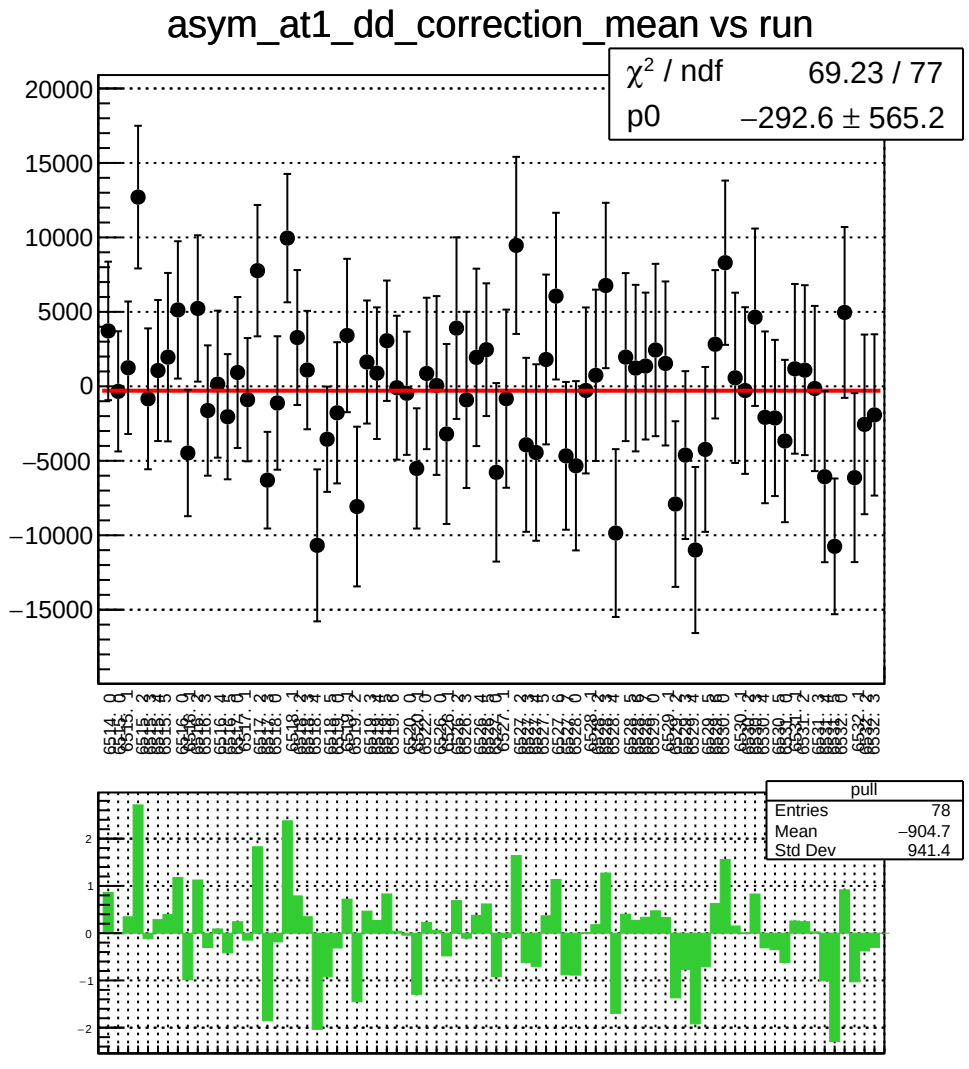

pull1D
Entries 78
Mean −0.001118
Std Dev 0.8669

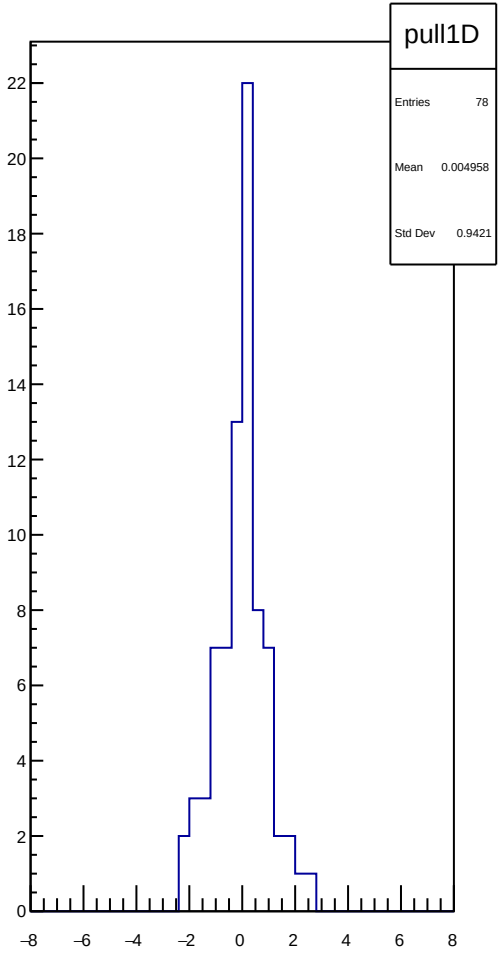

asym_at1_avg_rms vs run
χ^2 / ndf 8108 / 77
p0 2117 ± 1.75
6000
5500
5000
4500
4000
3500
3000
2500
2000

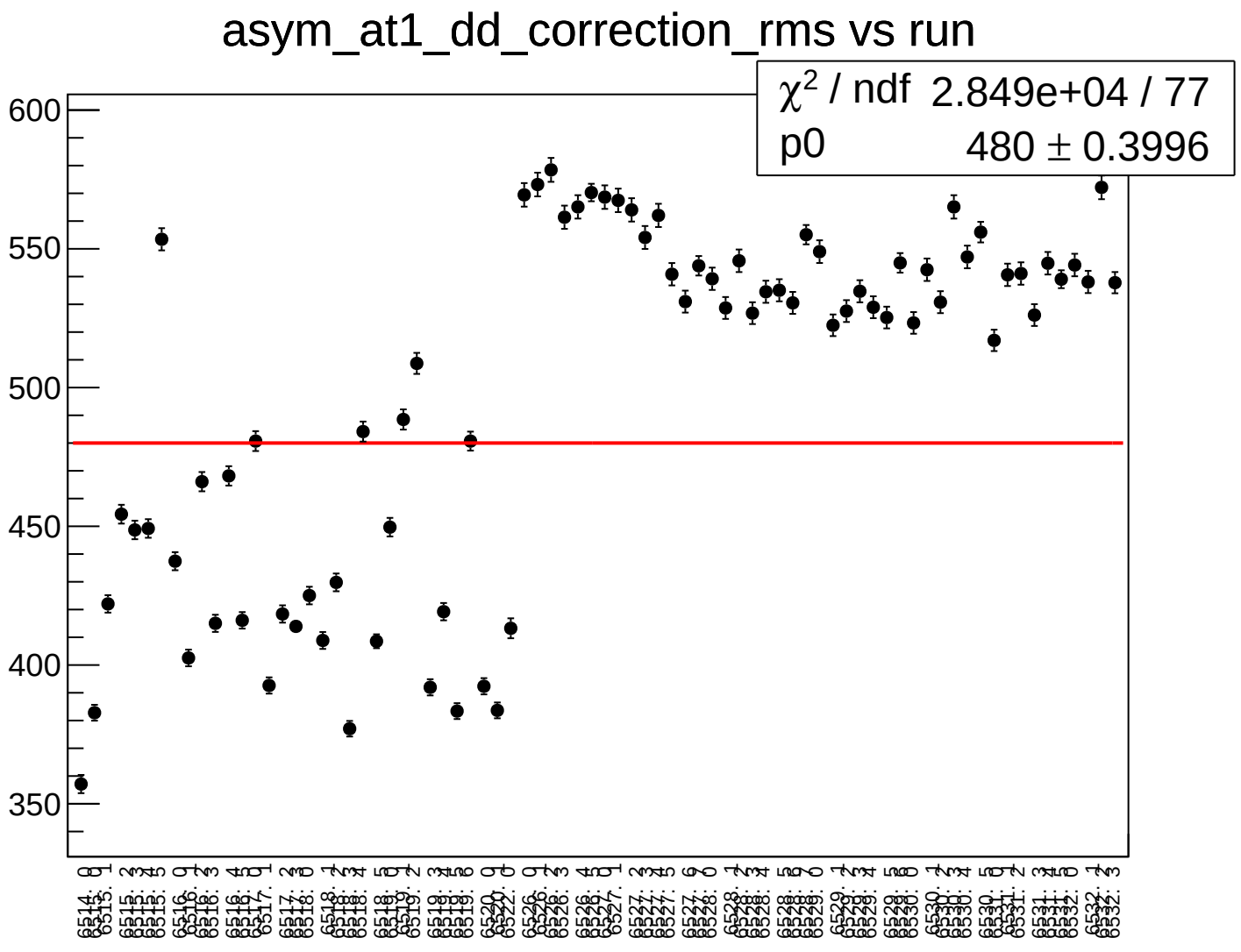

dit_asym_at1_dd_mean vs run
×10^3
χ² / ndf 78.16 / 77
p0 3477 ± 2188
pull
Entries 78
Mean −550.7
Std Dev 598.8

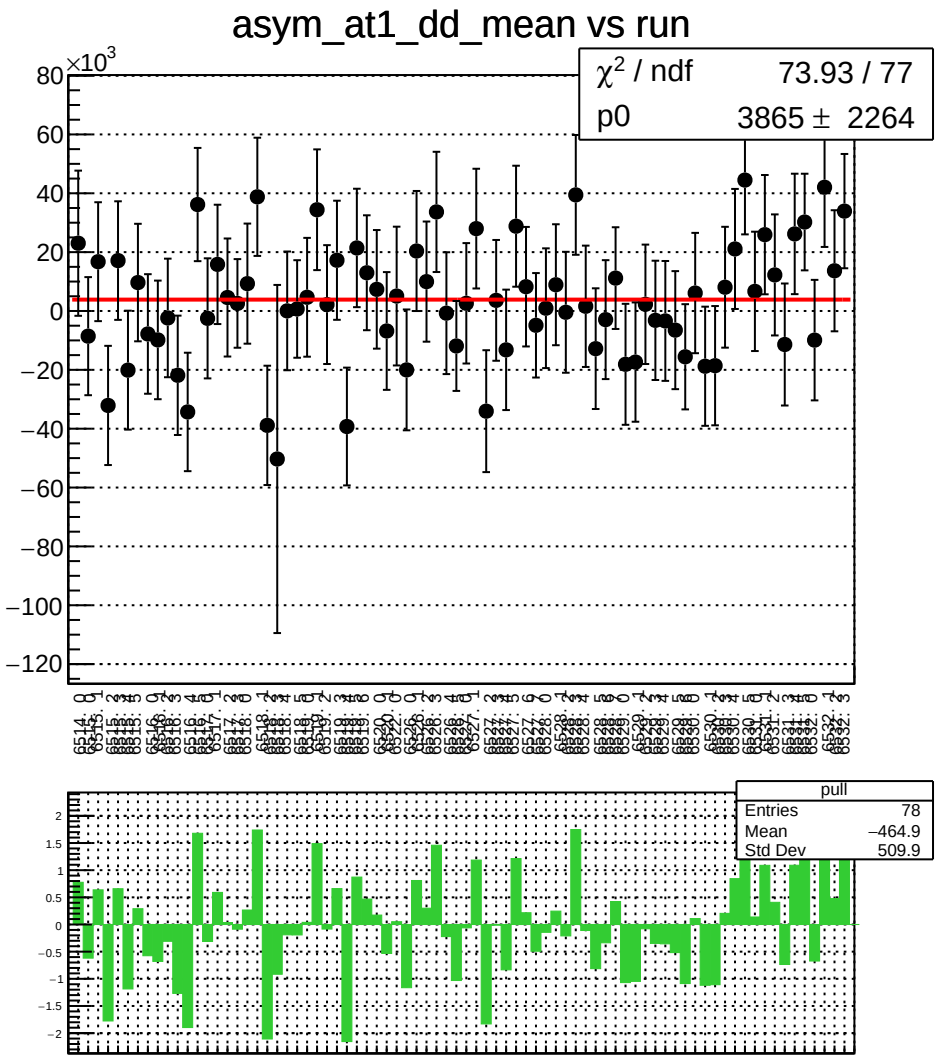

pull1D
Entries 78
Mean −0.005429
Std Dev 1.001

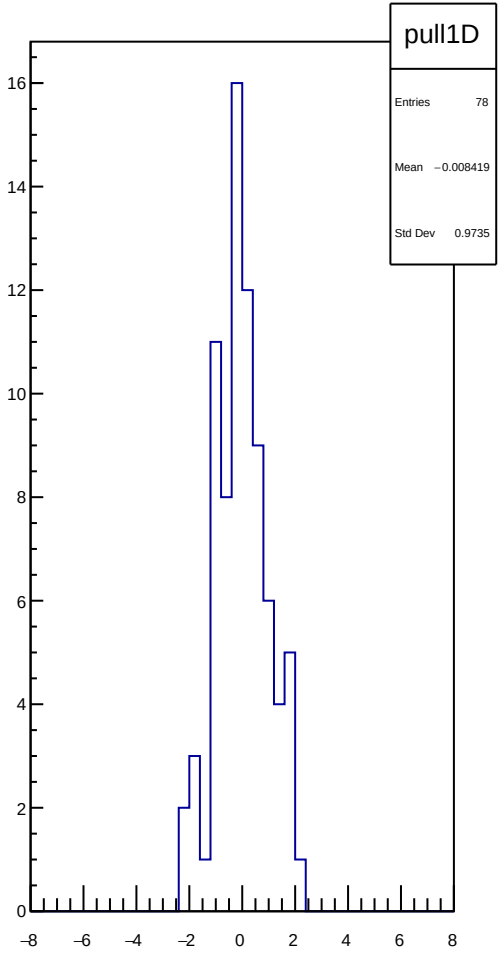

dit_asym_at1_dd_rms vs run
χ^2 / ndf 8051 / 77
p0 1871 ± 1.547
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

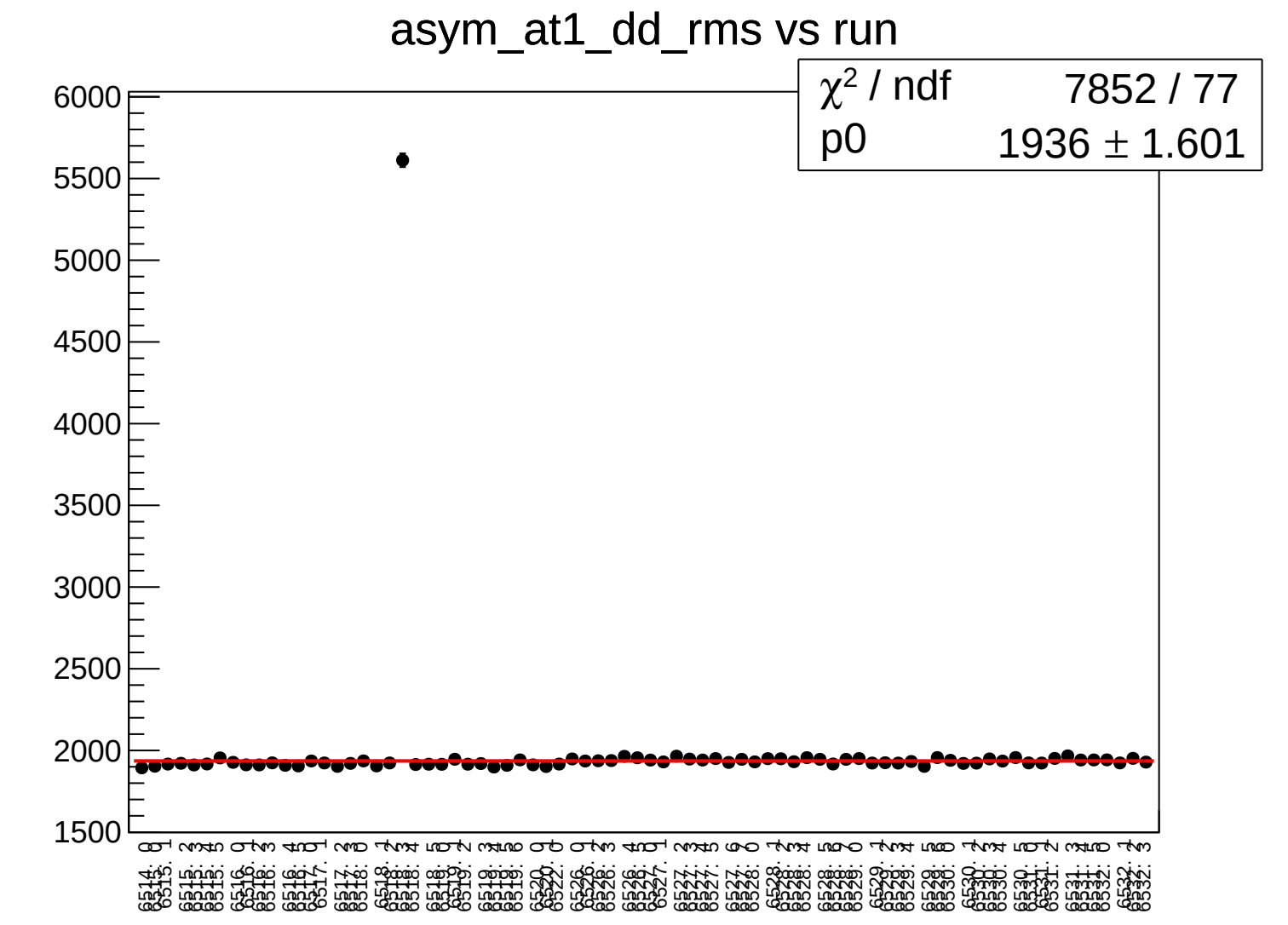

asym_at1_dd_correction_mean vs run
χ² / ndf 69.23 / 77
p0 −292.6 ± 565.2
pull
Entries 78
Mean −904.7
Std Dev 941.4

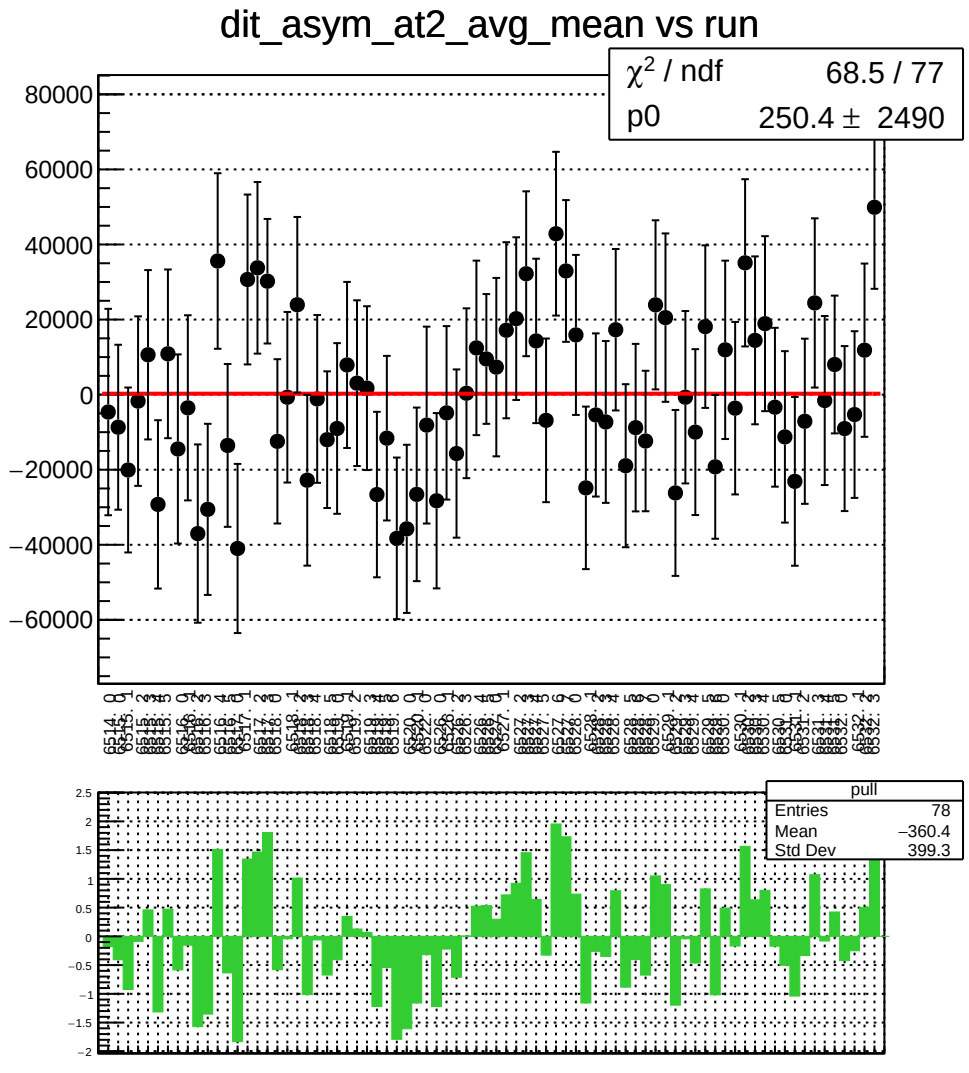

pull1D
Entries 78
Mean 0.004958
Std Dev 0.9421

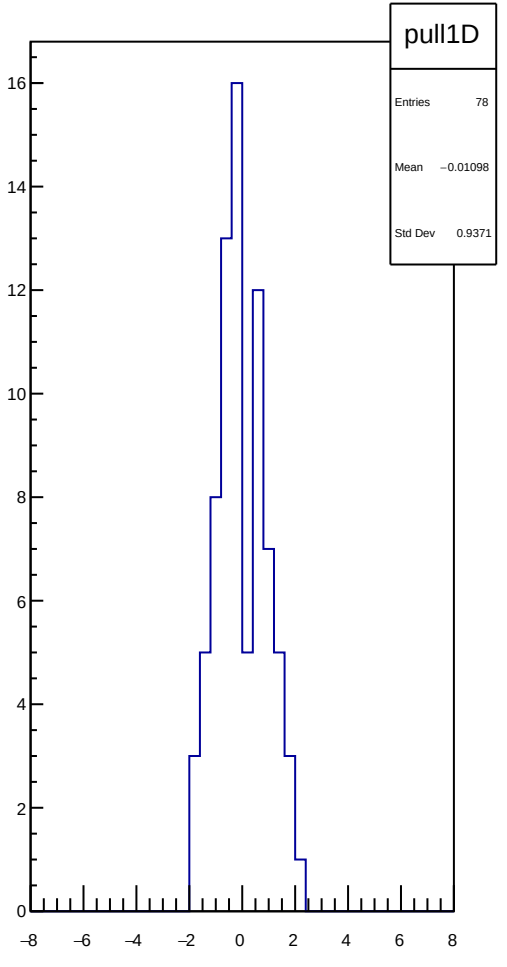

asym_at1_dd_correction_rms vs run
χ^2 / ndf 2.849e+04 / 77
p0 480 ± 0.3996
600
550
500
450
400
350

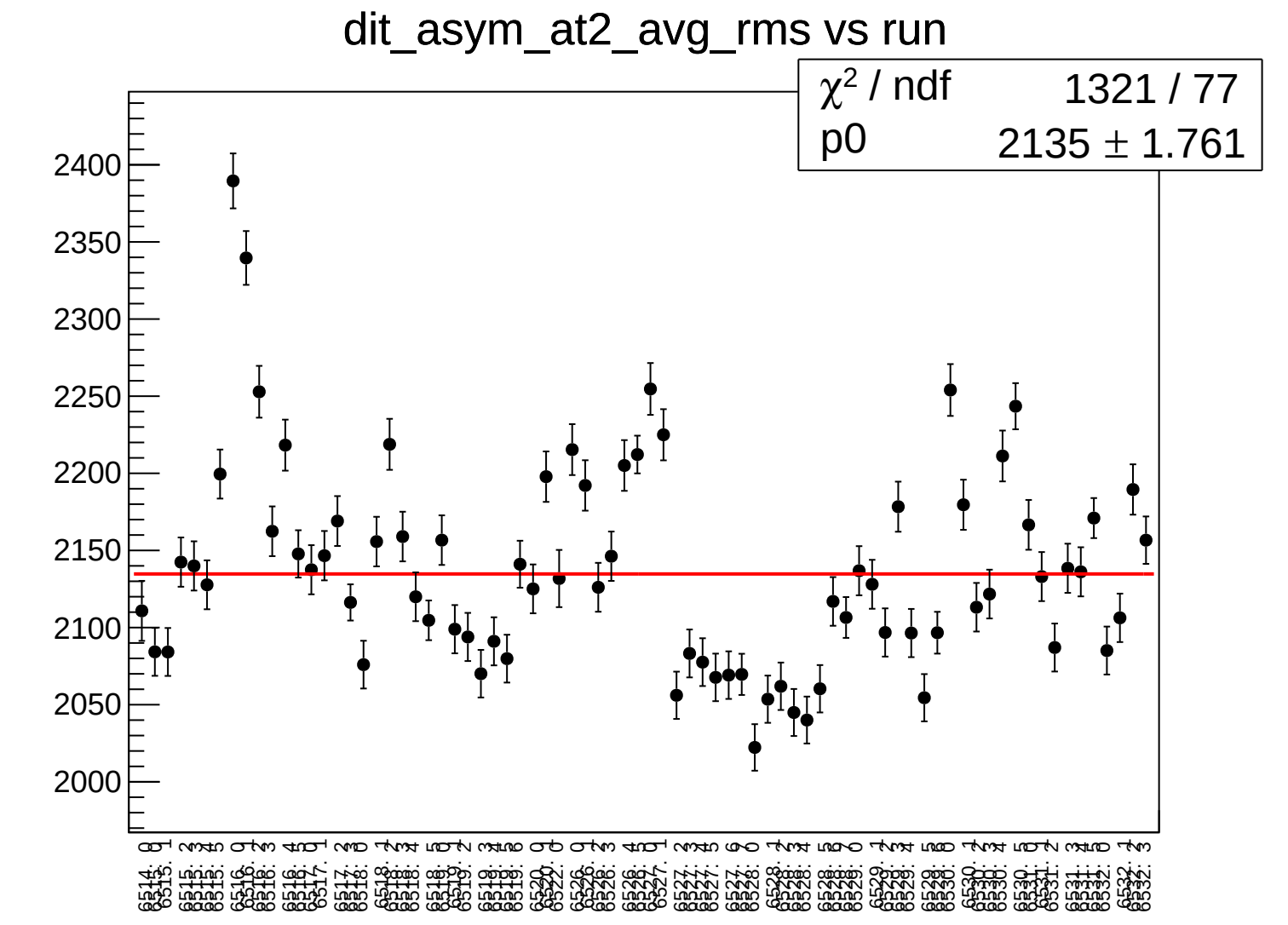

asym_at1_dd_mean vs run
χ² / ndf 73.93 / 77
p0 3865 ± 2264
×10³
pull
Entries 78
Mean −464.9
Std Dev 509.9

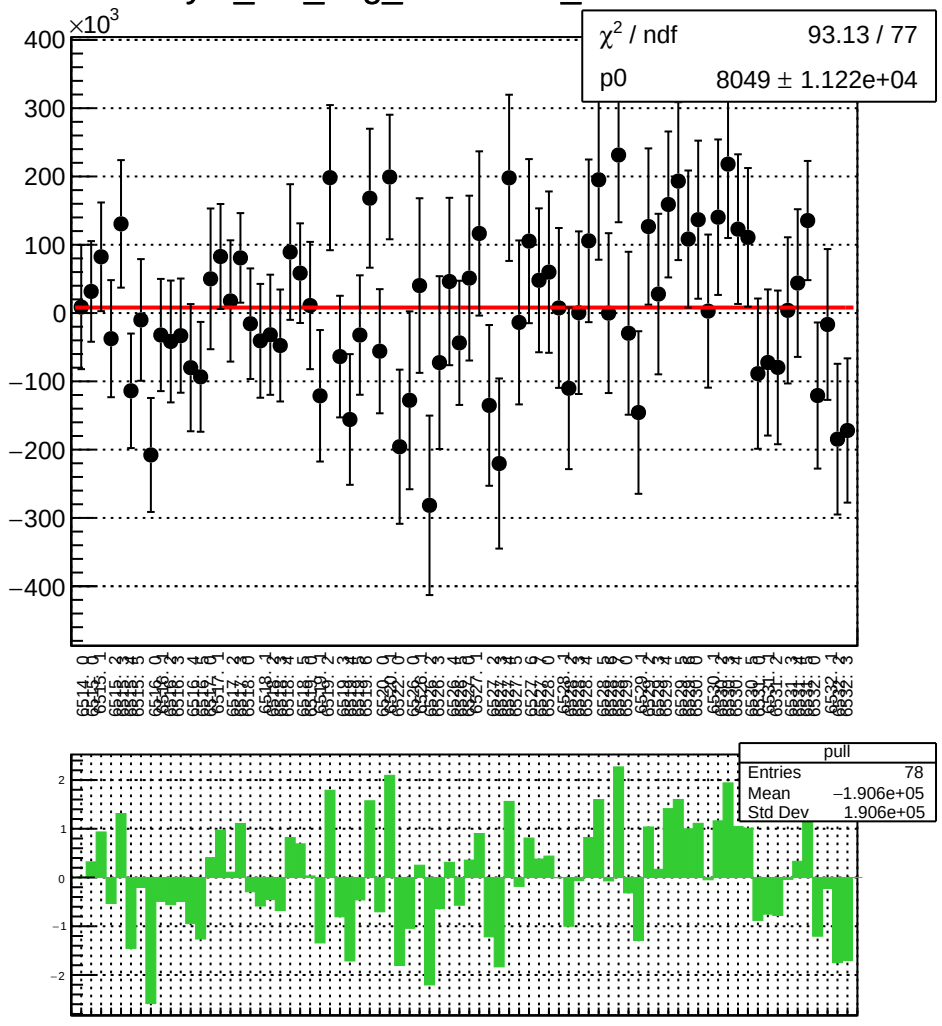

pull1D
Entries 78
Mean −0.008419
Std Dev 0.9735

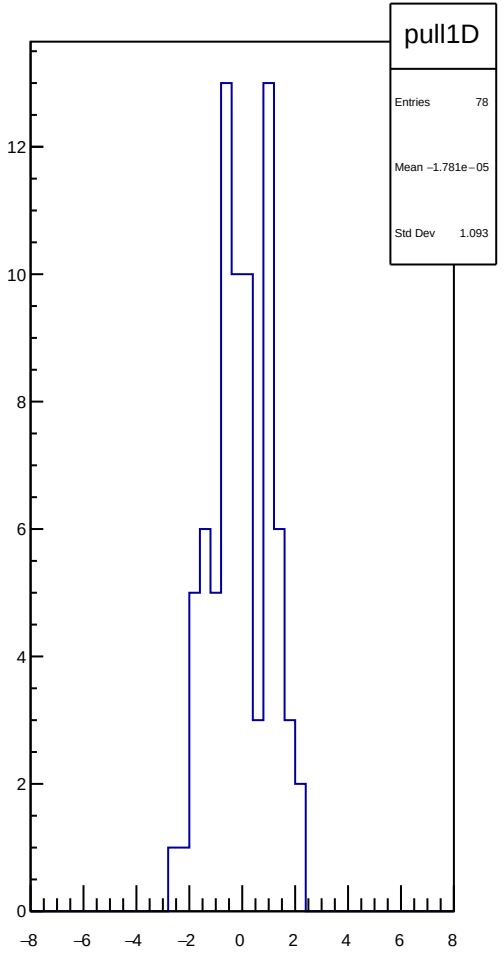

asym_at1_dd_rms vs run
χ² / ndf 7852 / 77
p0 1936 ± 1.601
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

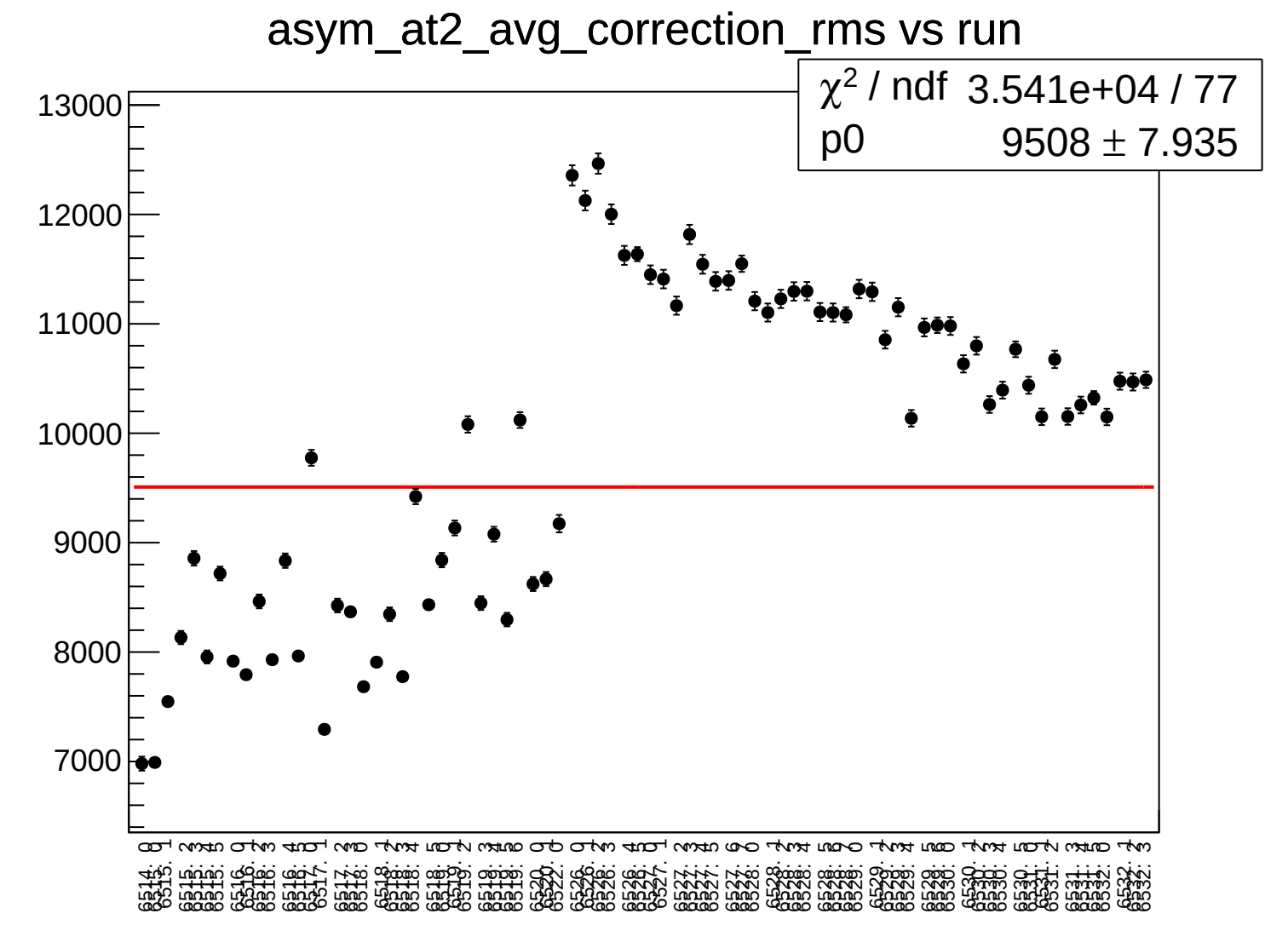

dit_asym_at2_avg_mean vs run
χ² / ndf 68.5 / 77
p0 250.4 ± 2490
pull
Entries 78
Mean −360.4
Std Dev 399.3

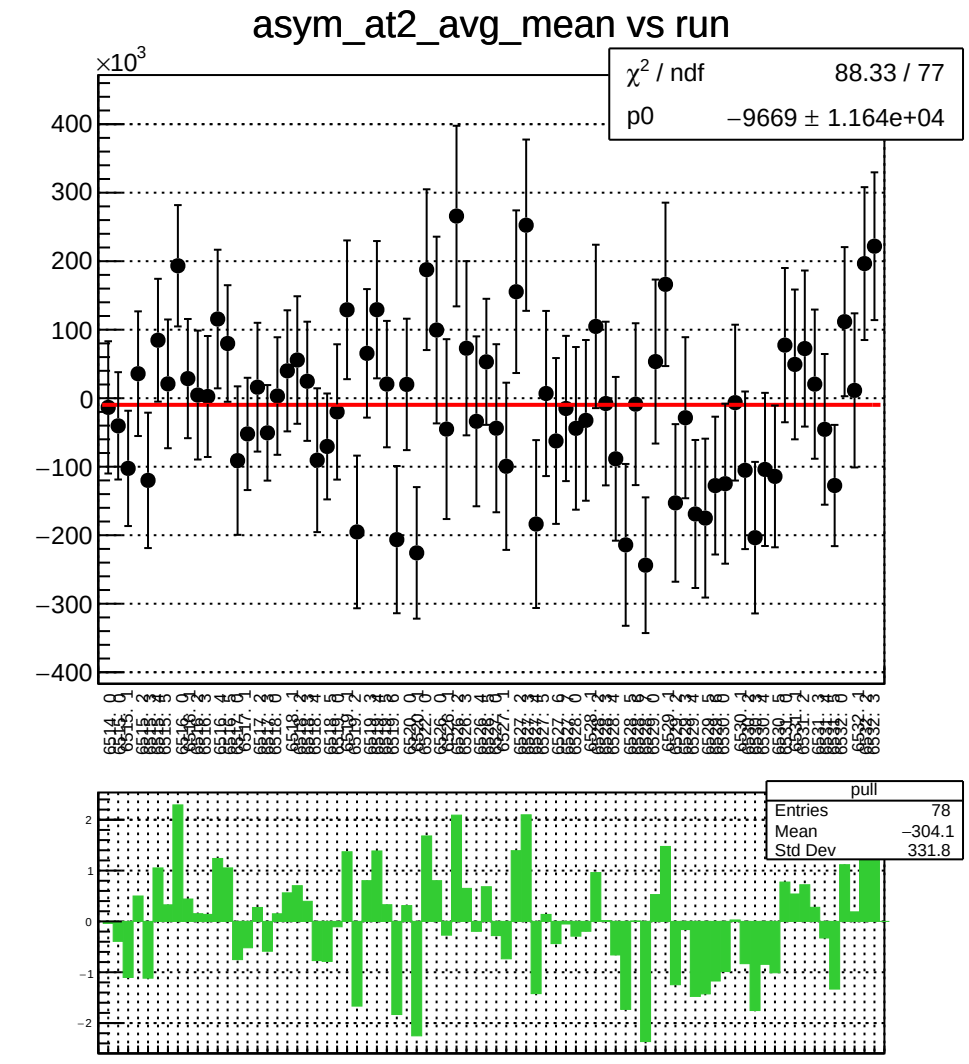

pull1D
Entries 78
Mean −0.01098
Std Dev 0.9371

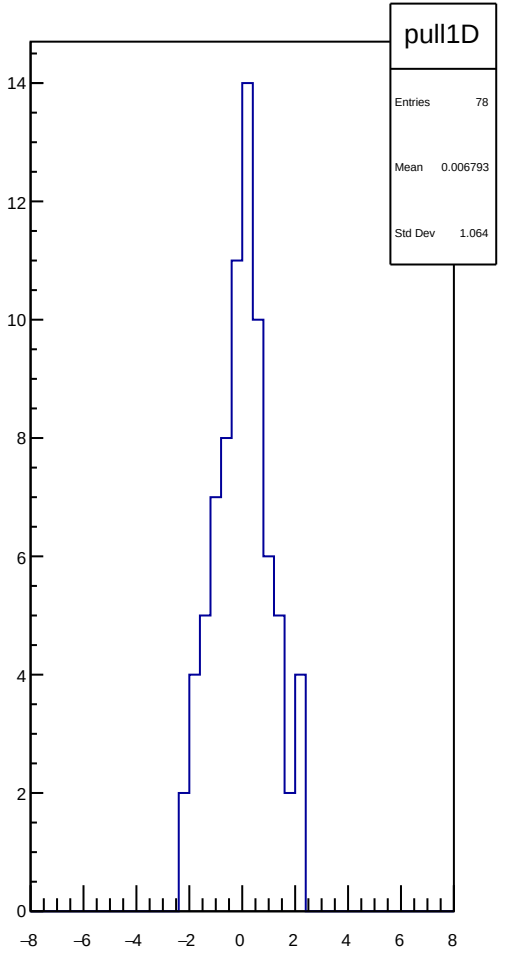

dit_asym_at2_avg_rms vs run
χ² / ndf 1321 / 77
p0 2135 ± 1.761
2400
2350
2300
2250
2200
2150
2100
2050
2000

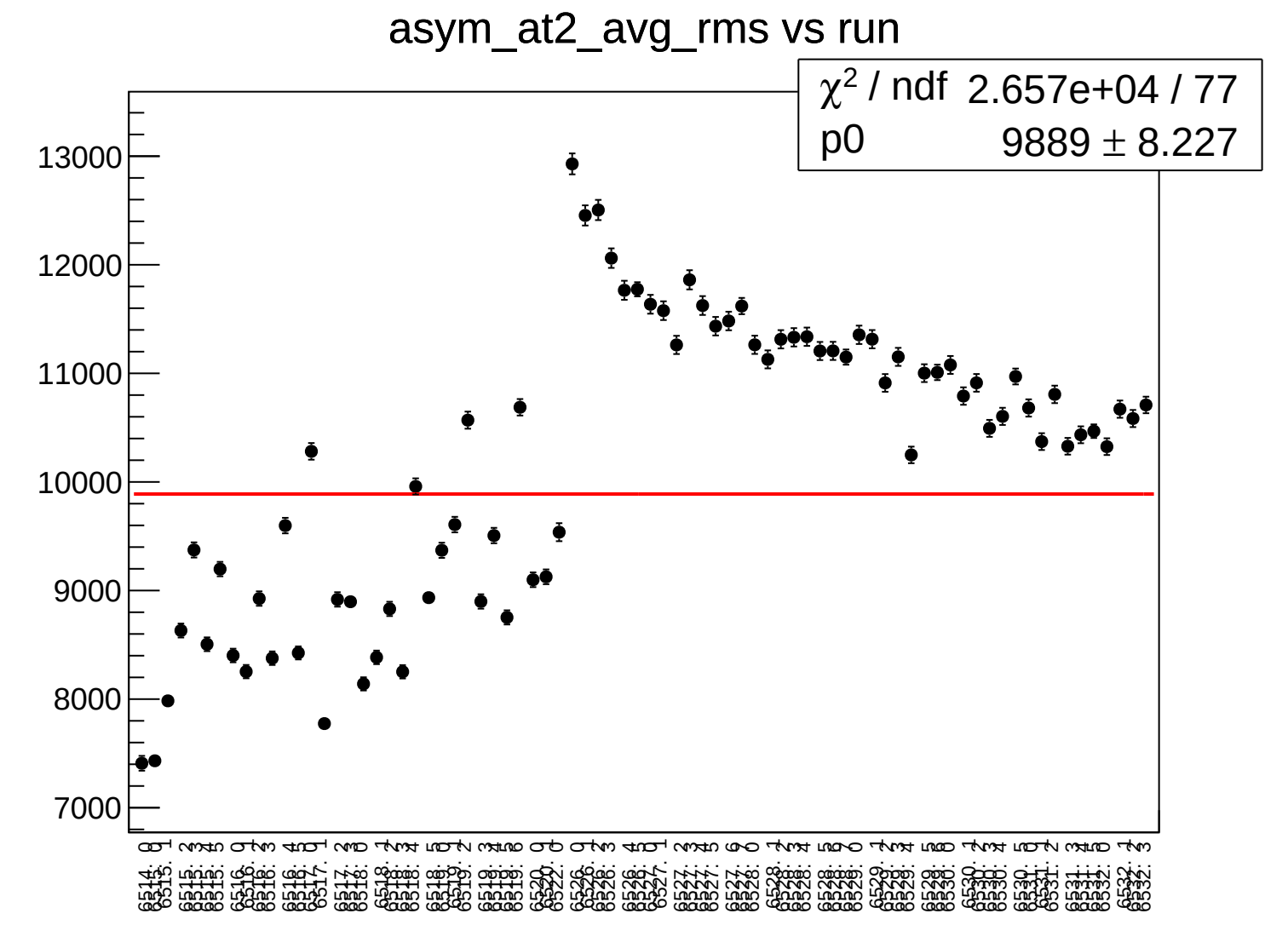

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 93.13 / 77
p0 8049 ± 1.122e+04
pull
Entries 78
Mean −1.906e+05
Std Dev 1.906e+05

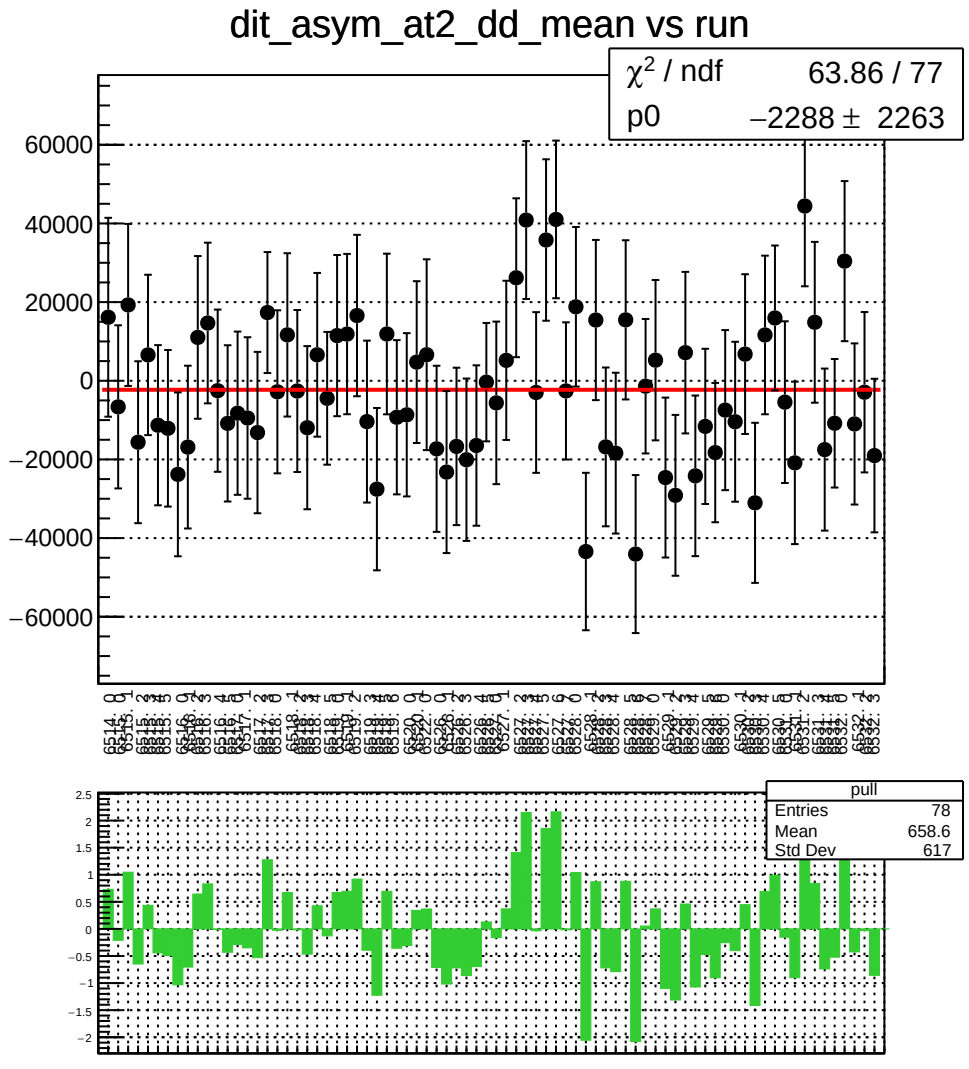

pull1D
Entries 78
Mean −1.781e−05
Std Dev 1.093

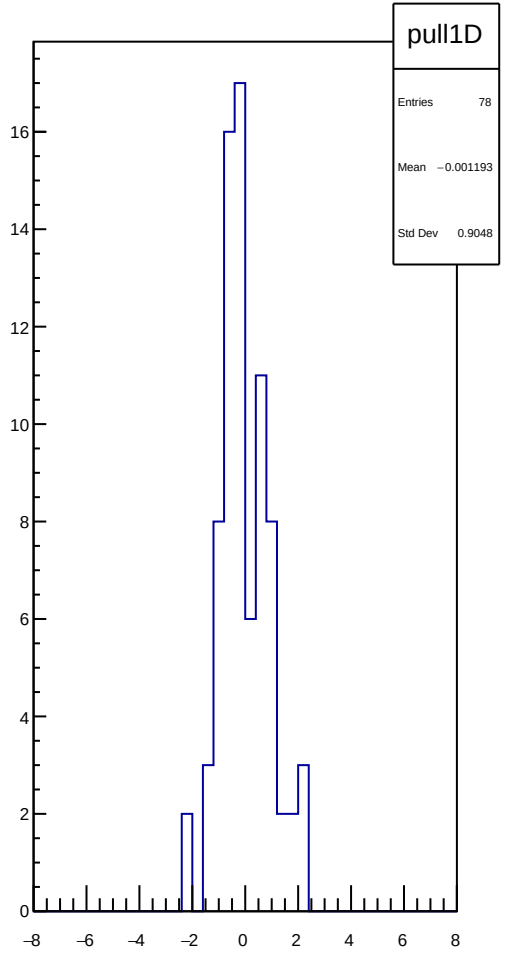

asym_at2_avg_correction_rms vs run
χ² / ndf 3.541e+04 / 77
p0 9508 ± 7.935
13000
12000
11000
10000
9000
8000
7000

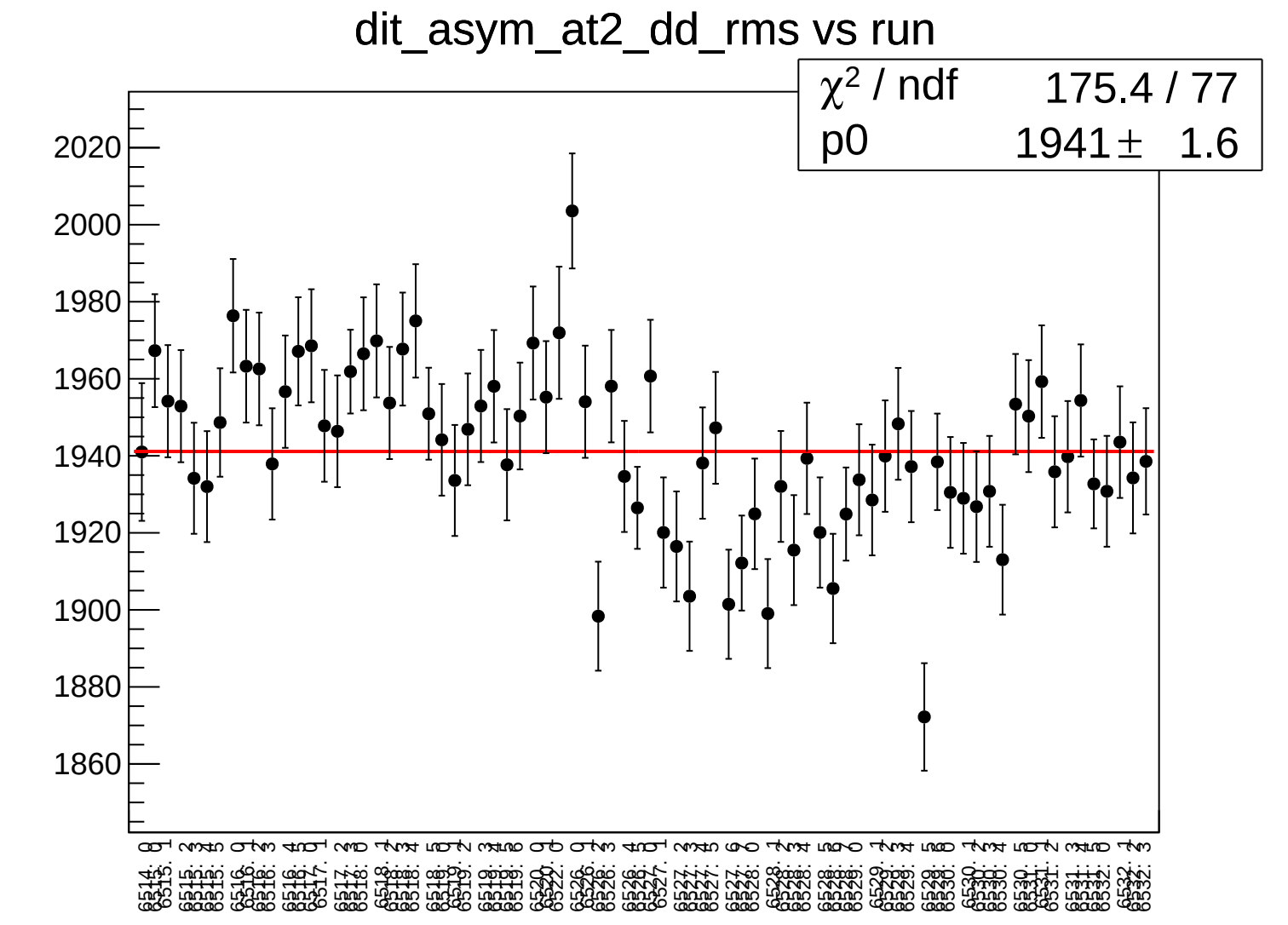

asym_at2_avg_mean vs run
×10^3
χ² / ndf 88.33 / 77
p0 −9669 ± 1.164e+04
pull
Entries 78
Mean −304.1
Std Dev 331.8

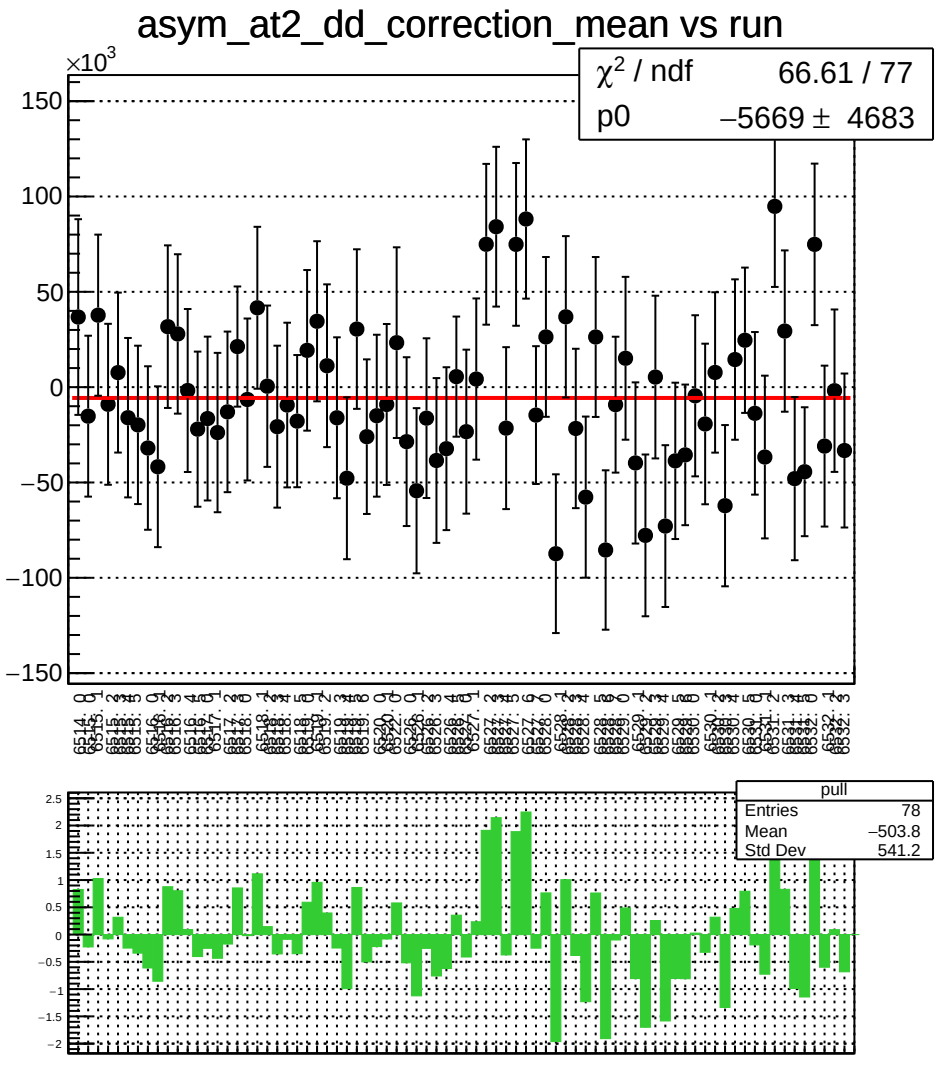

pull1D
Entries 78
Mean 0.006793
Std Dev 1.064

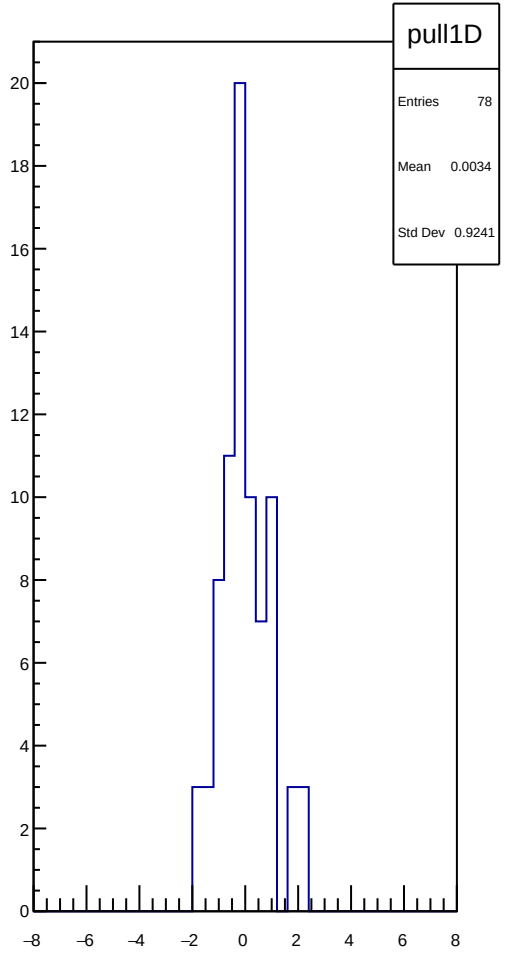

asym_at2_avg_rms vs run
χ² / ndf 2.657e+04 / 77
p0 9889 ± 8.227
13000
12000
11000
10000
9000
8000
7000

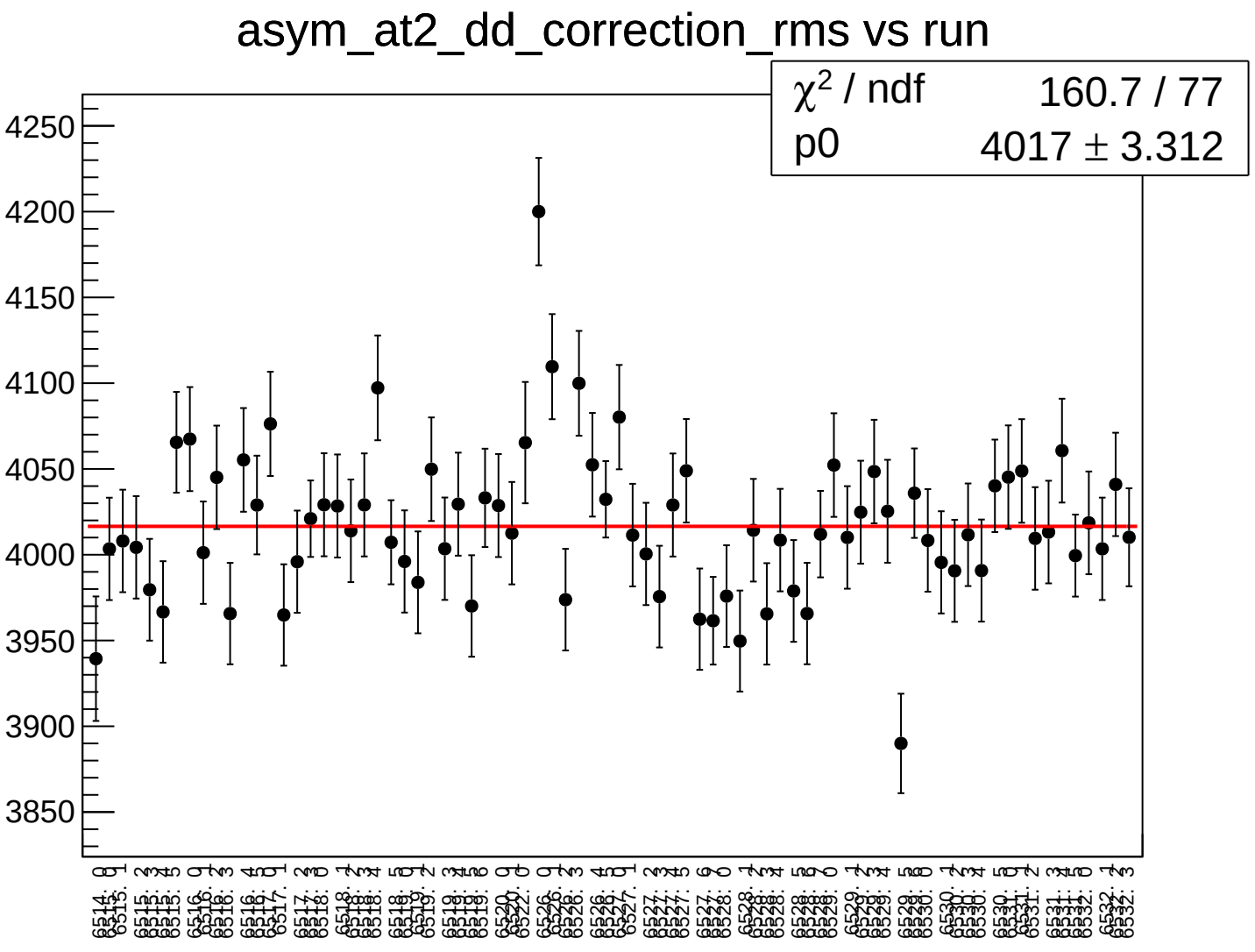

dit_asym_at2_dd_mean vs run
χ² / ndf 63.86 / 77
p0 −2288 ± 2263
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 78
Mean 658.6
Std Dev 617
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

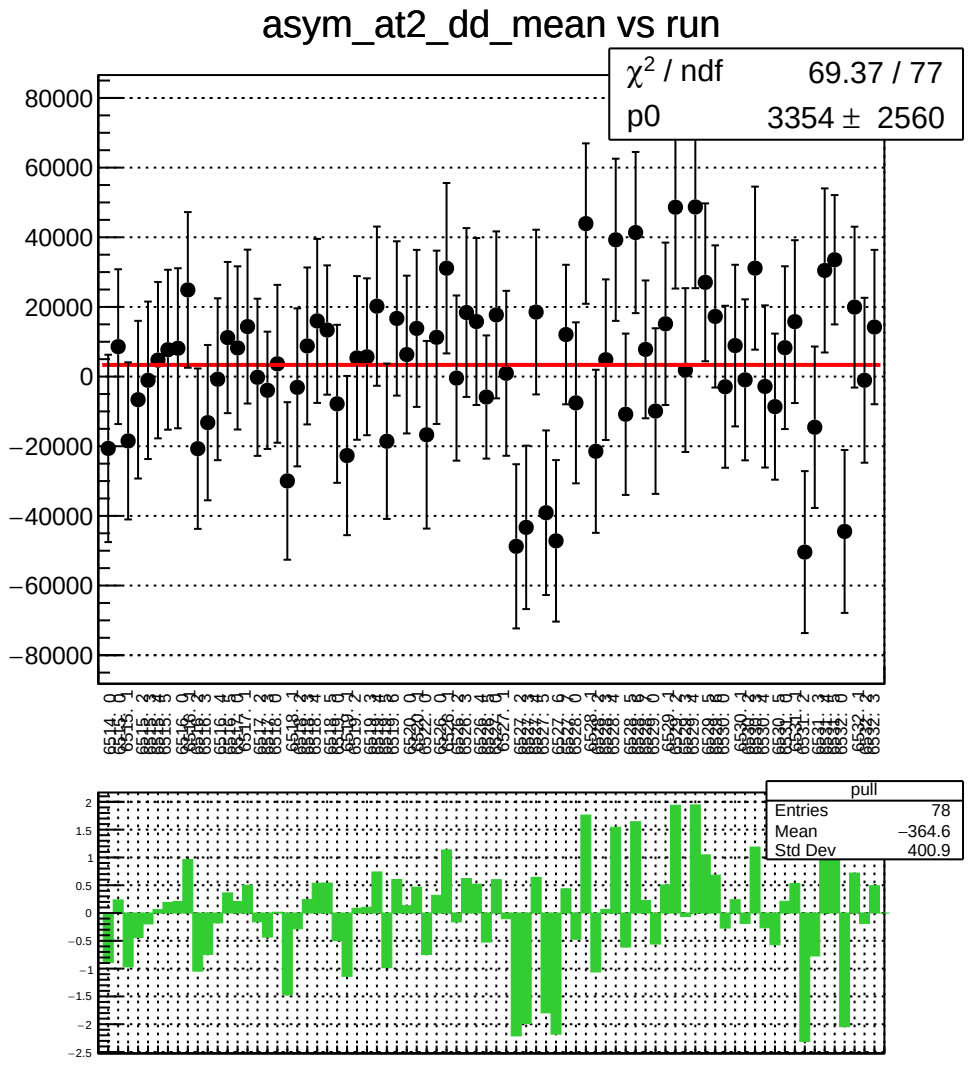

pull1D
Entries 78
Mean −0.001193
Std Dev 0.9048
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

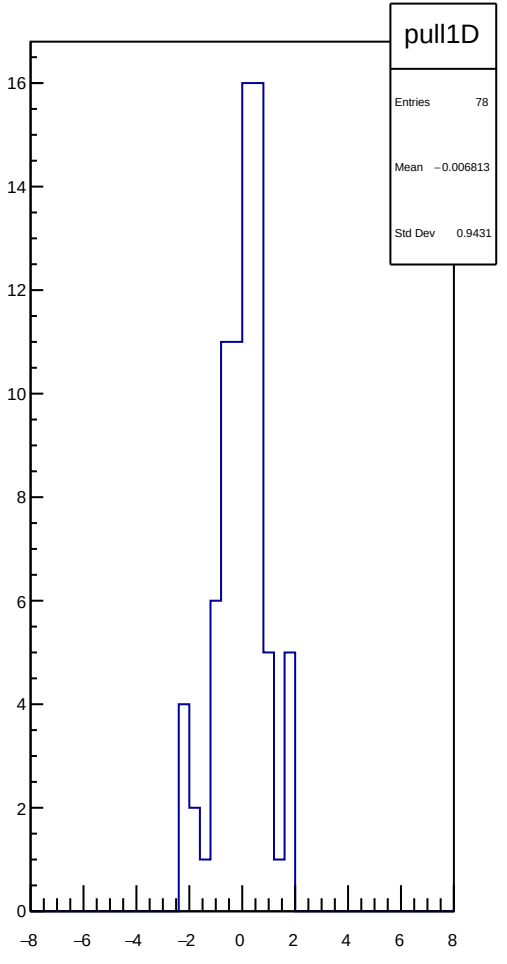

dit_asym_at2_dd_rms vs run
χ² / ndf 175.4 / 77
p0 1941 ± 1.6
2020
2000
1980
1960
1940
1920
1900
1880
1860

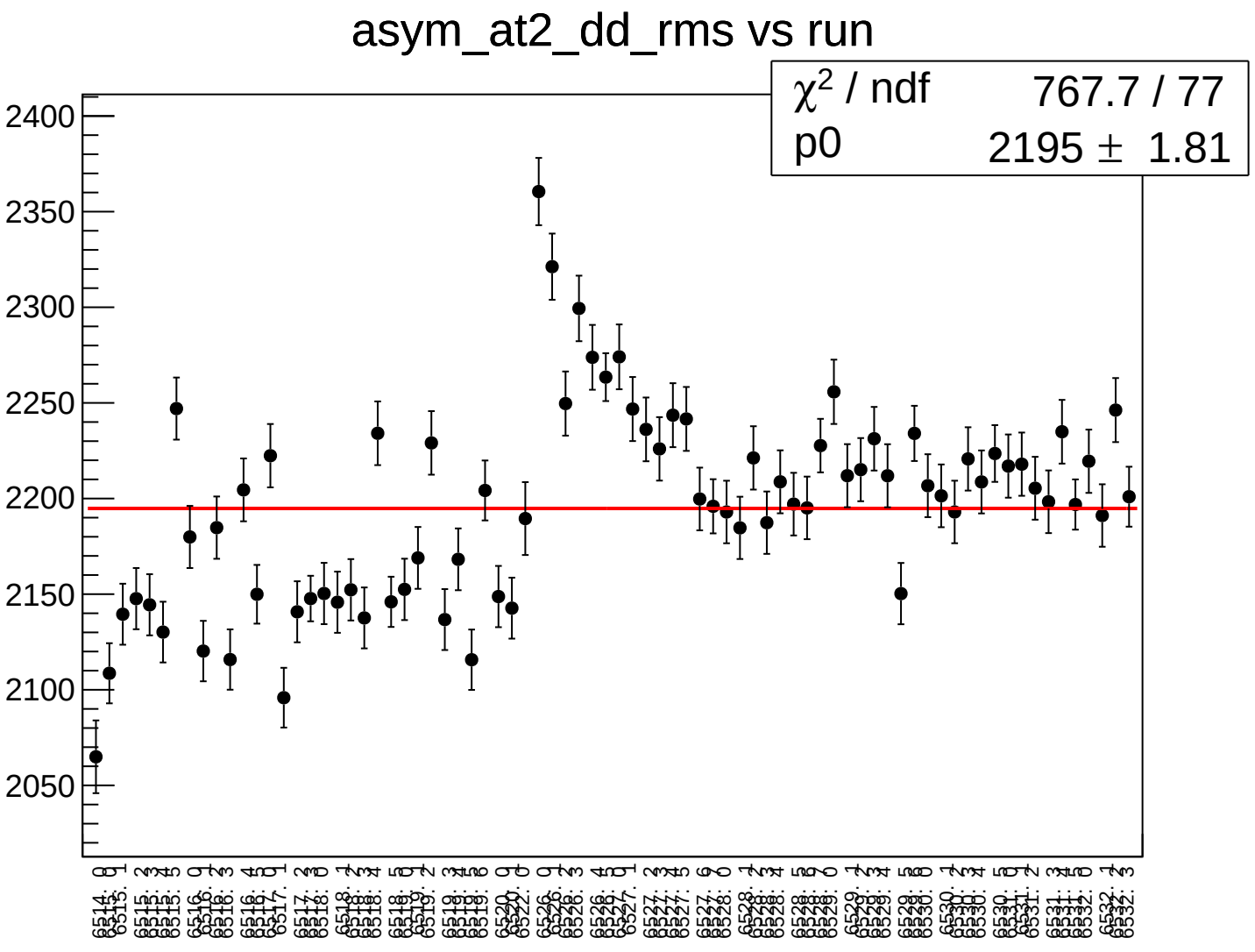

asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 66.61 / 77
p0 −5669 ± 4683
150
100
50
0
−50
−100
−150
pull
Entries 78
Mean −503.8
Std Dev 541.2
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

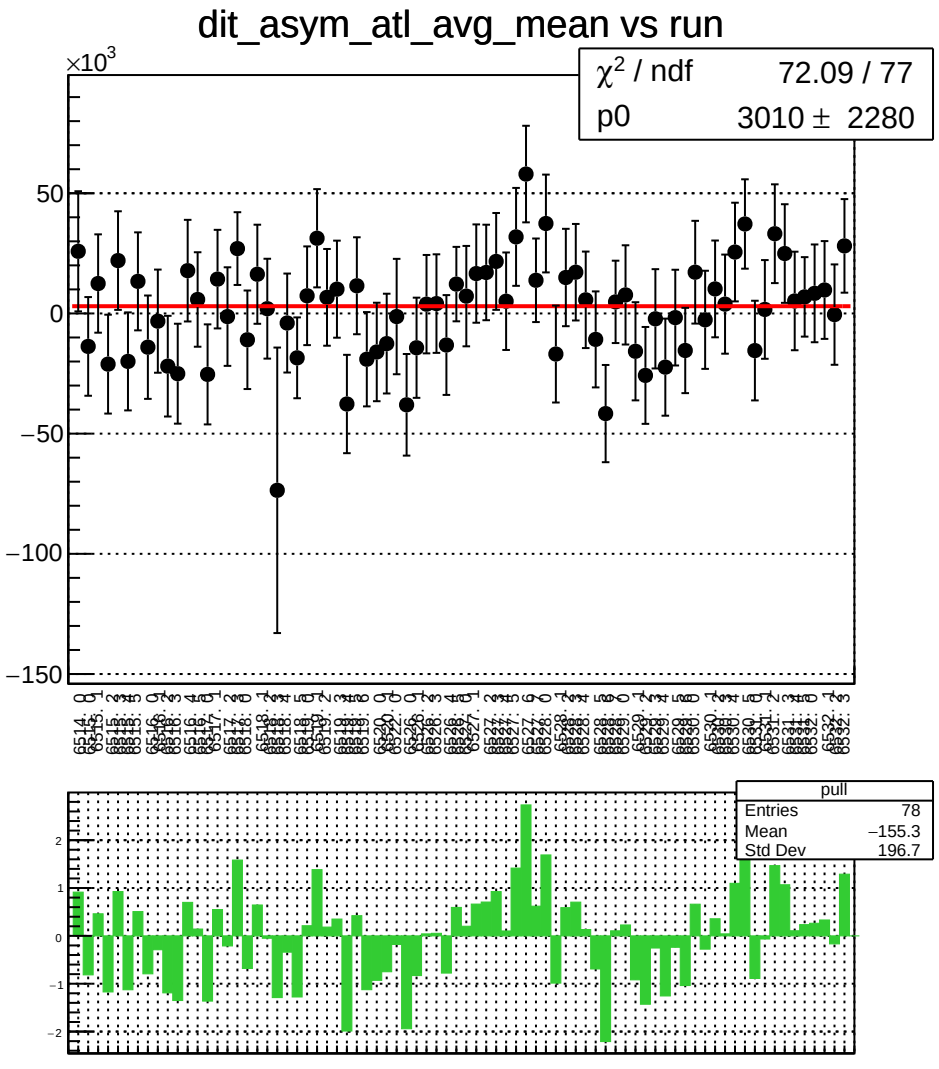

pull1D
Entries 78
Mean 0.0034
Std Dev 0.9241
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

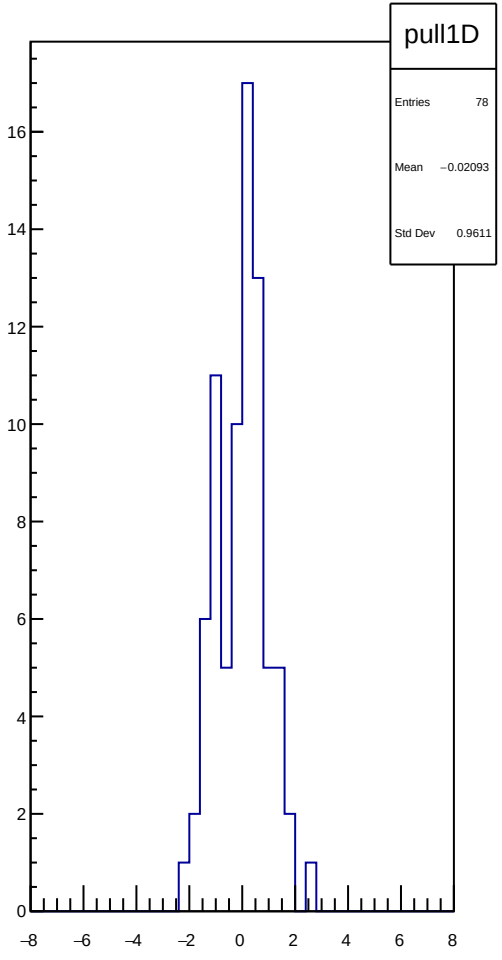

asym_at2_dd_correction_rms vs run
χ² / ndf 160.7 / 77
p0 4017 ± 3.312
4250
4200
4150
4100
4050
4000
3950
3900
3850

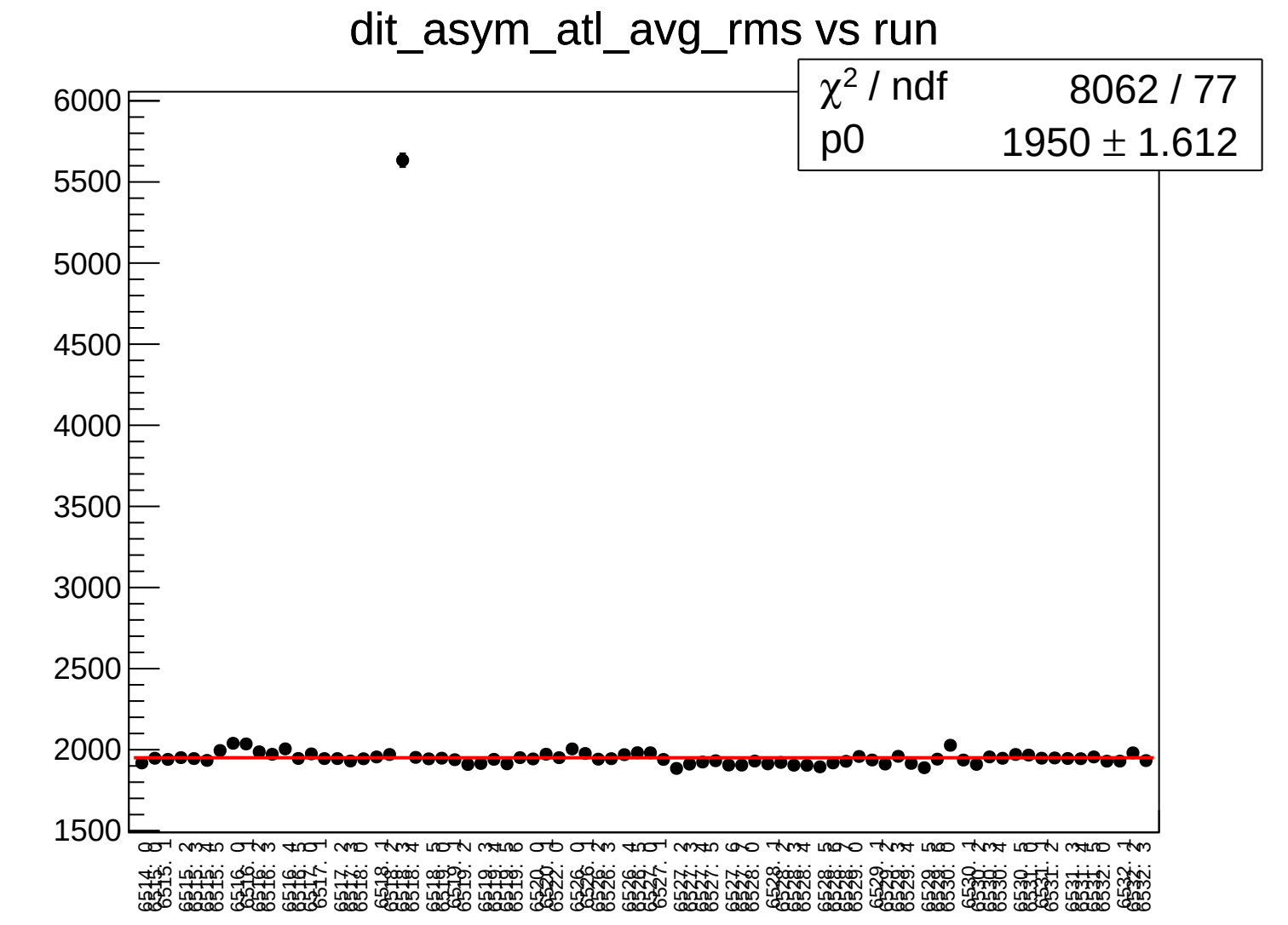

asym_at2_dd_mean vs run
χ² / ndf 69.37 / 77
p0 3354 ± 2560
pull
Entries 78
Mean −364.6
Std Dev 400.9

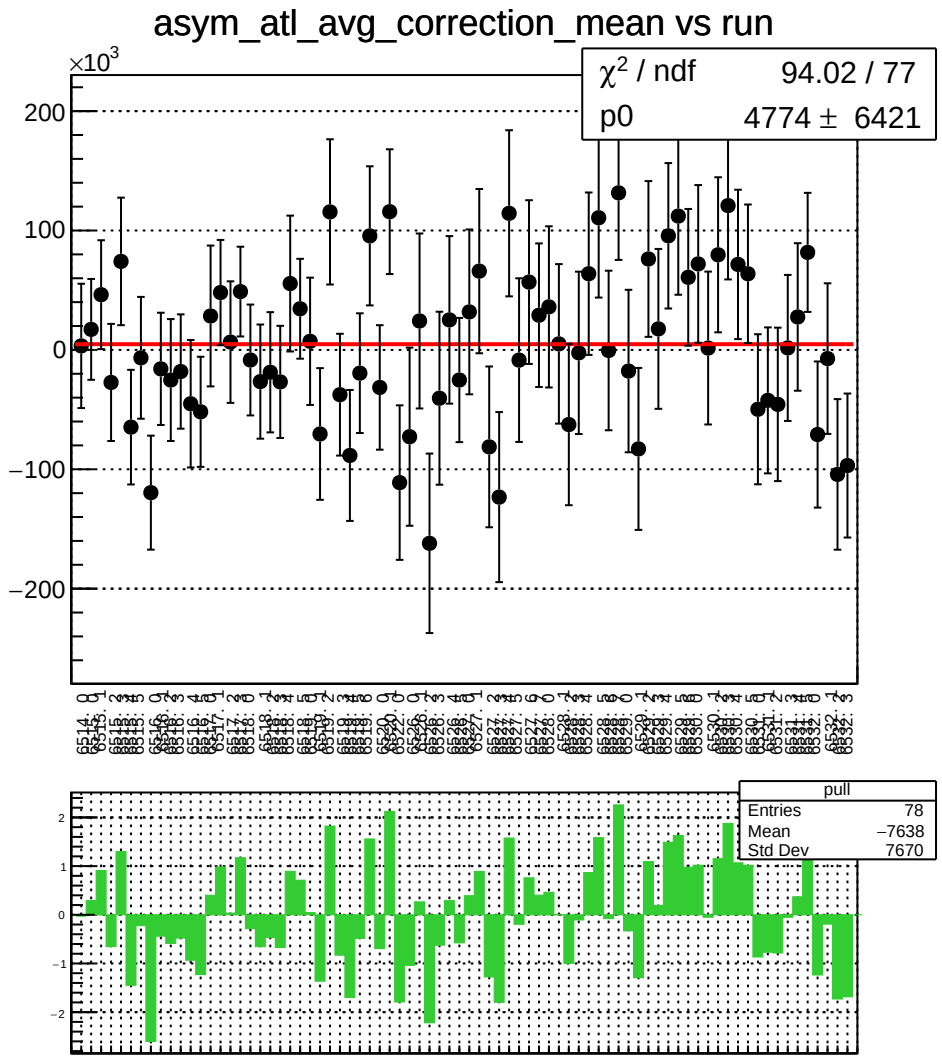

pull1D
Entries 78
Mean −0.006813
Std Dev 0.9431

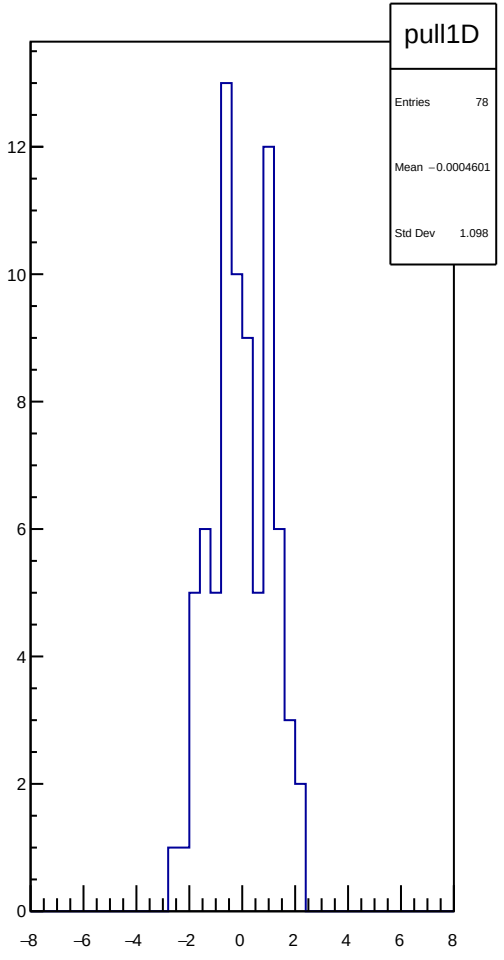

asym_at2_dd_rms vs run
χ² / ndf 767.7 / 77
p0 2195 ± 1.81
2400
2350
2300
2250
2200
2150
2100
2050

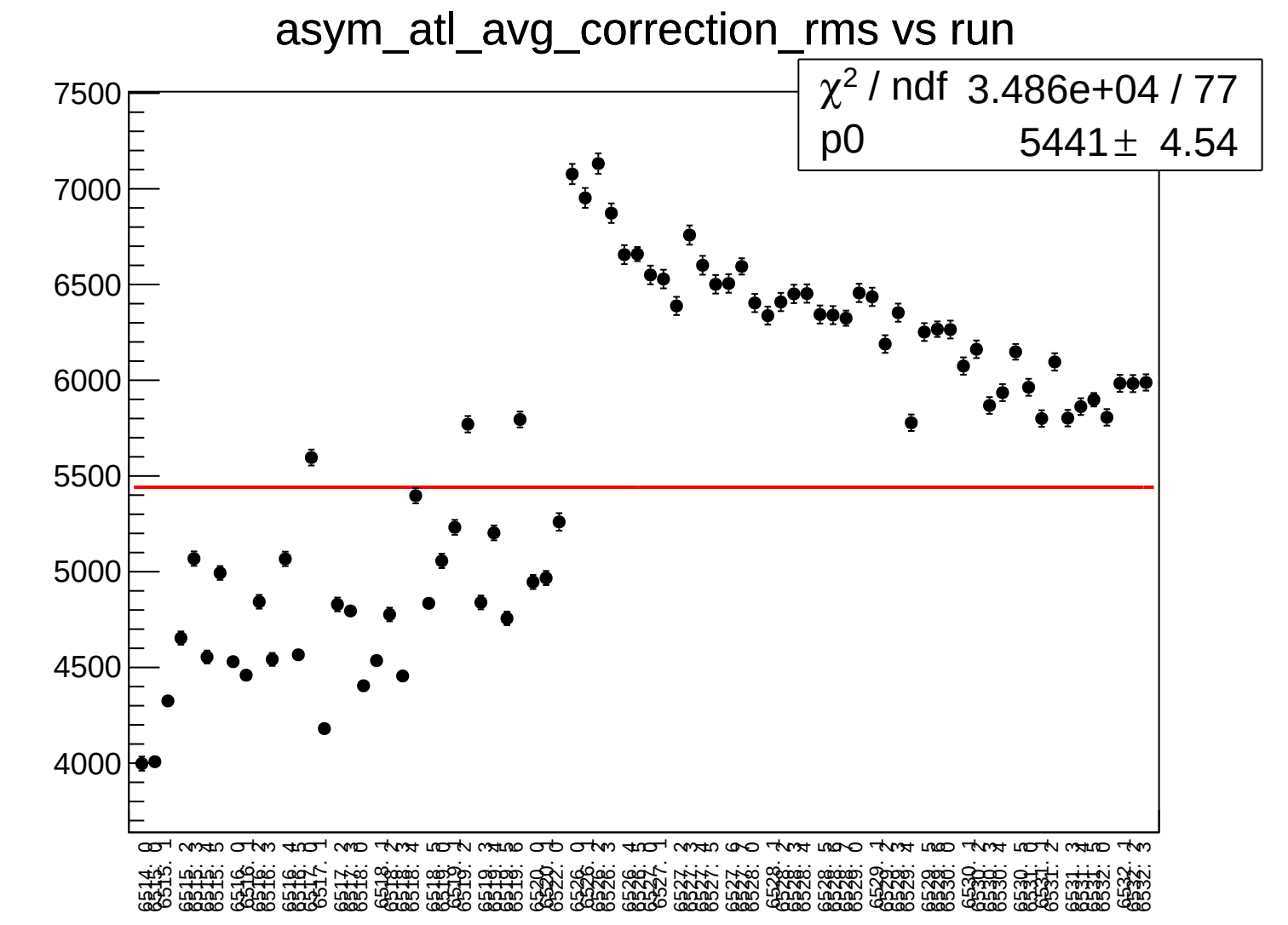

dit_asym_atl_avg_mean vs run
×10^3
χ² / ndf 72.09 / 77
p0 3010 ± 2280
50
0
−50
−100
−150
pull
Entries 78
Mean −155.3
Std Dev 196.7
2
1
0
−1
−2

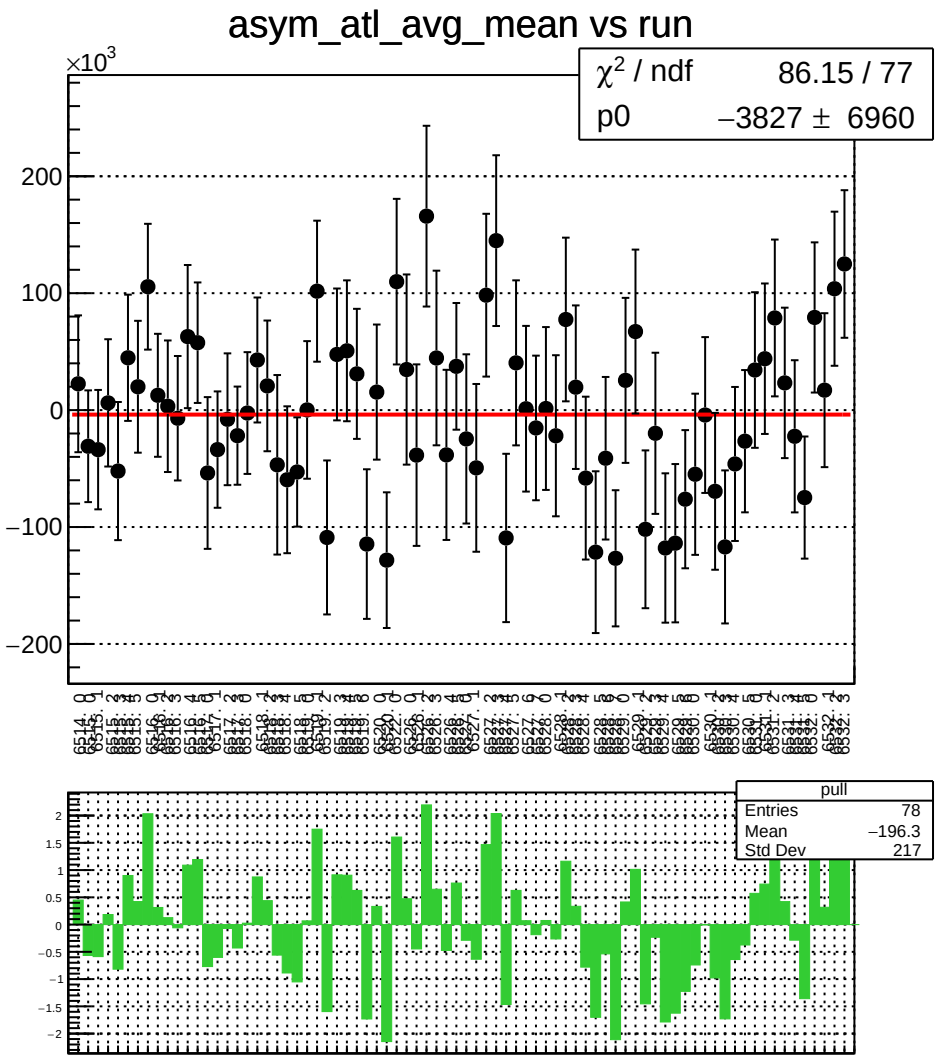

pull1D
Entries 78
Mean −0.02093
Std Dev 0.9611
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

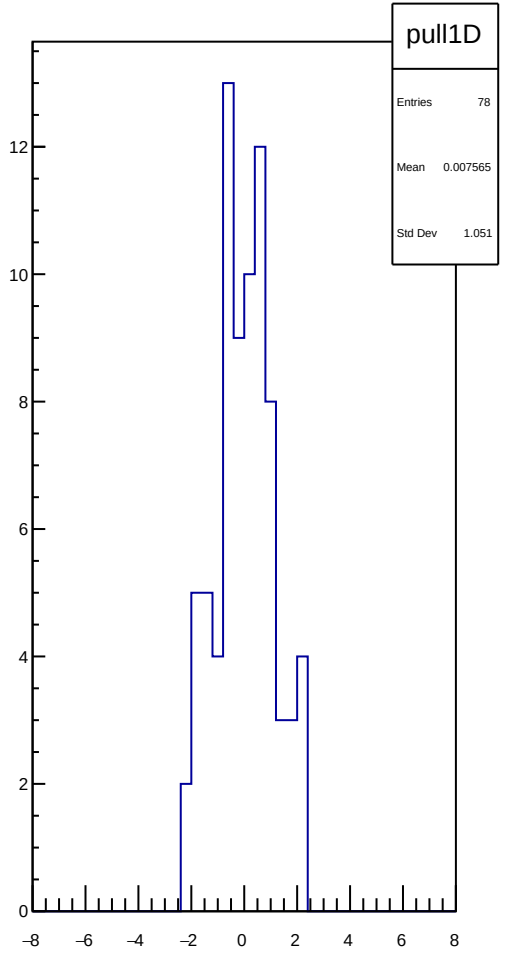

dit_asym_atl_avg_rms vs run
χ² / ndf 8062 / 77
p0 1950 ± 1.612
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

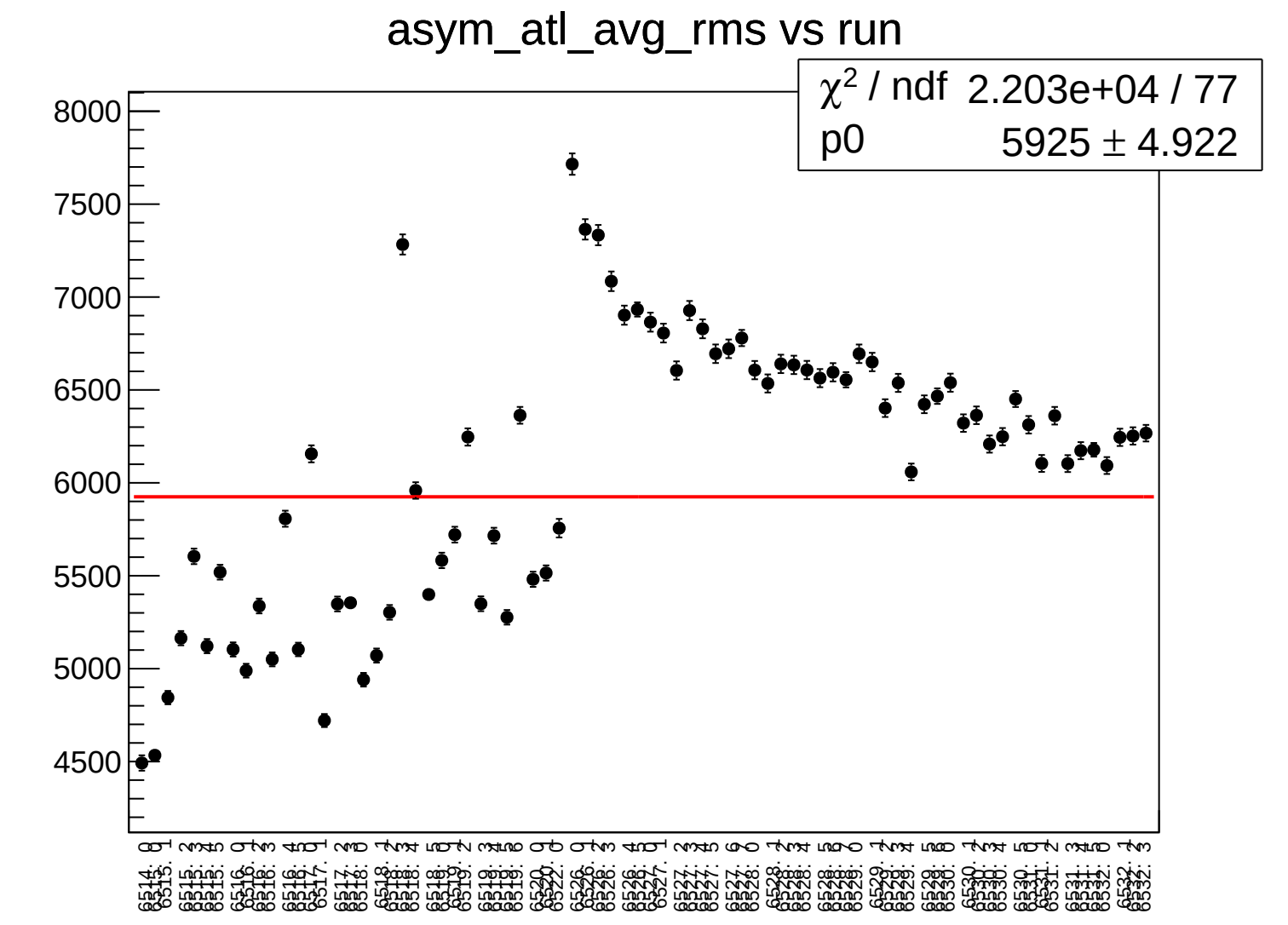

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 94.02 / 77
p0 4774 ± 6421
200
100
0
−100
−200
pull
Entries 78
Mean −7638
Std Dev 7670
2
1
0
−1
−2

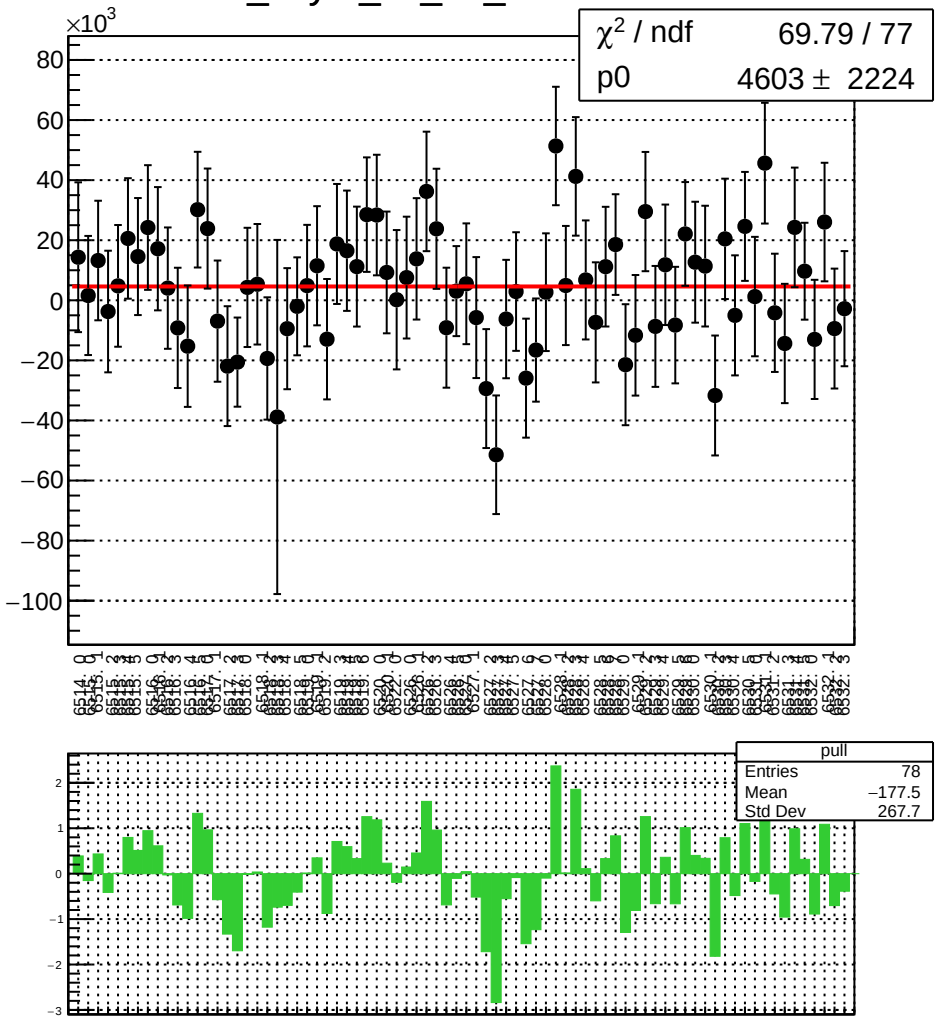

pull1D
Entries 78
Mean −0.0004601
Std Dev 1.098
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

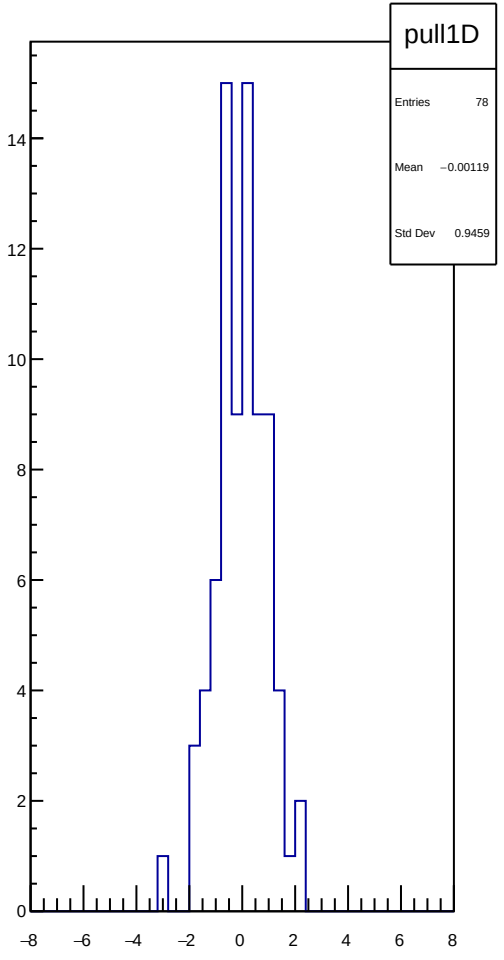

asym_atl_avg_correction_rms vs run
χ² / ndf 3.486e+04 / 77
p0 5441 ± 4.54
7500
7000
6500
6000
5500
5000
4500
4000

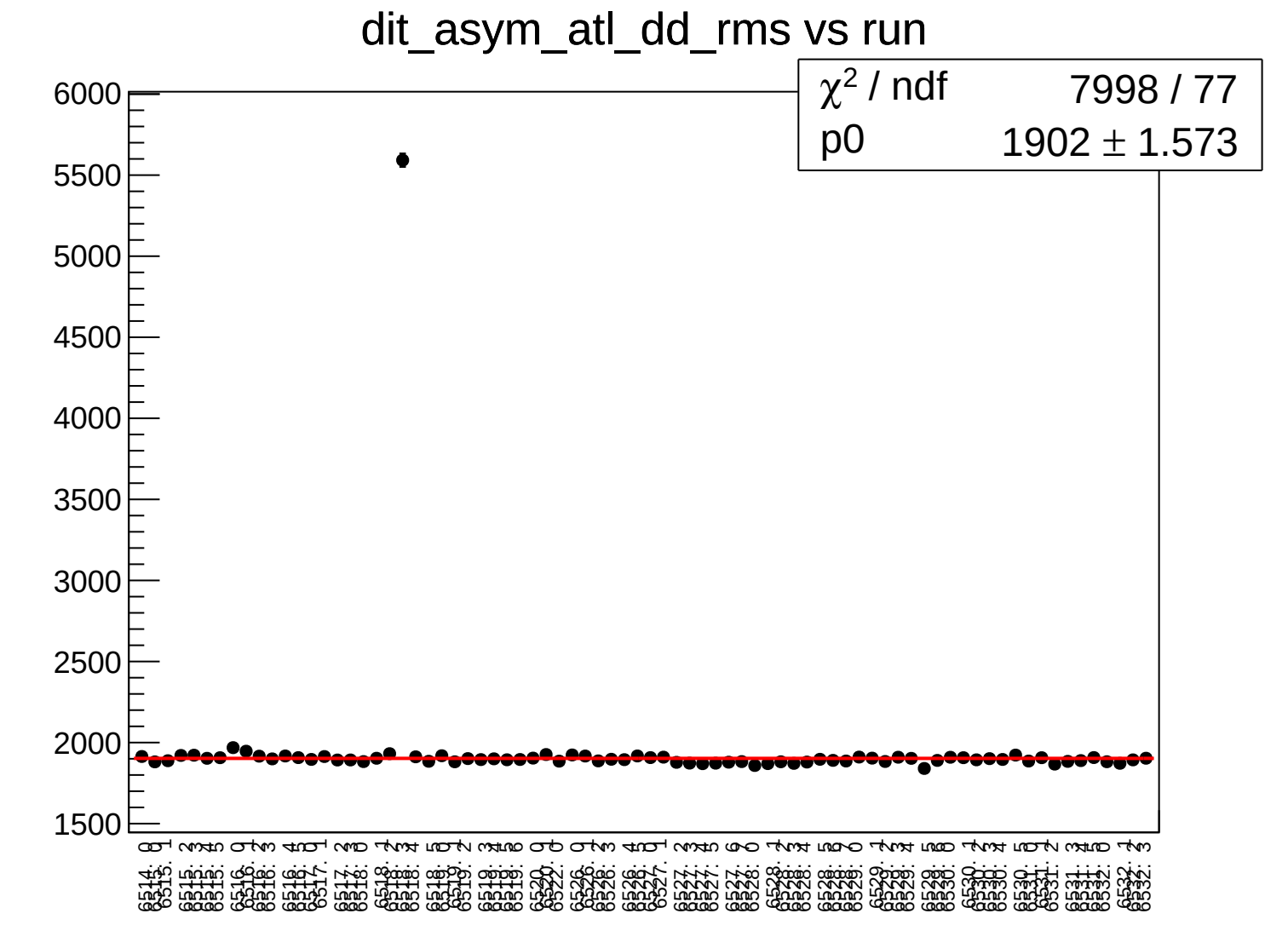

asym_atl_avg_mean vs run
×10^3
χ² / ndf 86.15 / 77
p0 −3827 ± 6960
200
100
0
−100
−200
pull
Entries 78
Mean −196.3
Std Dev 217
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

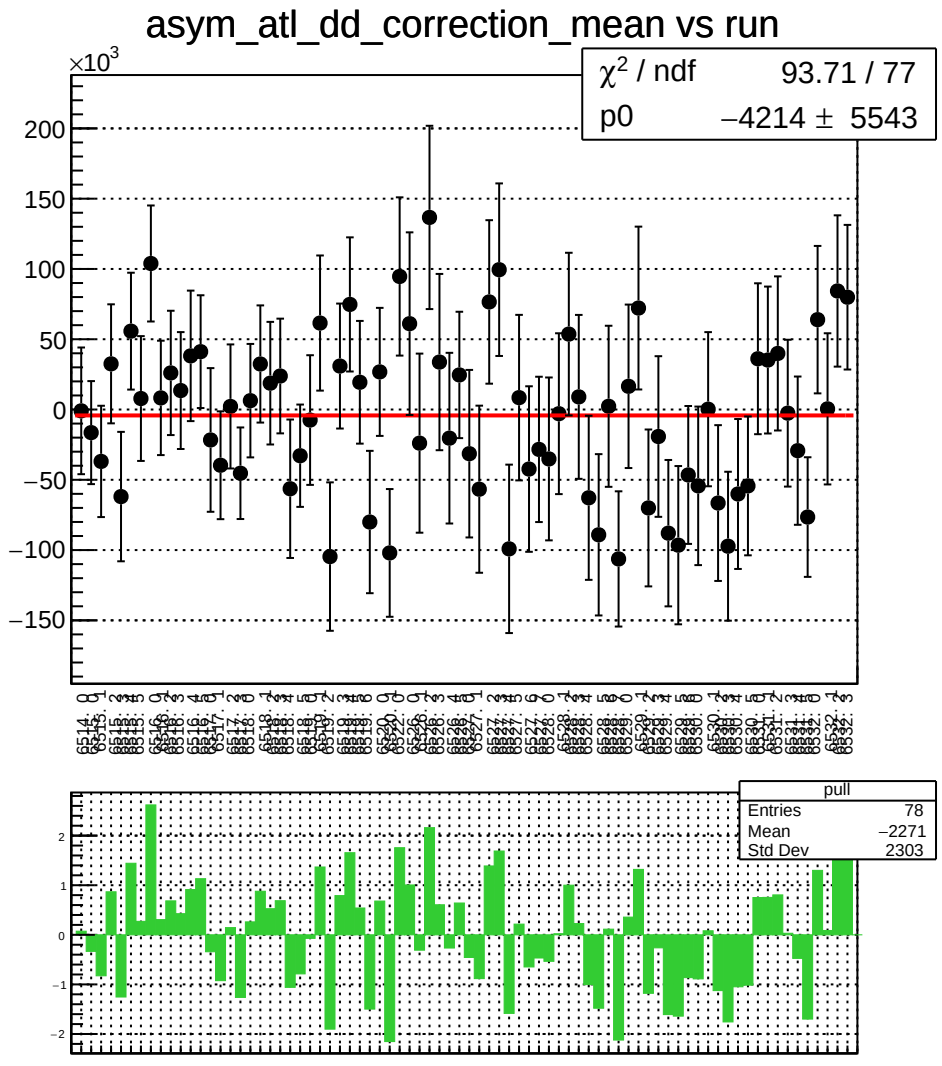

pull1D
Entries 78
Mean 0.007565
Std Dev 1.051
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

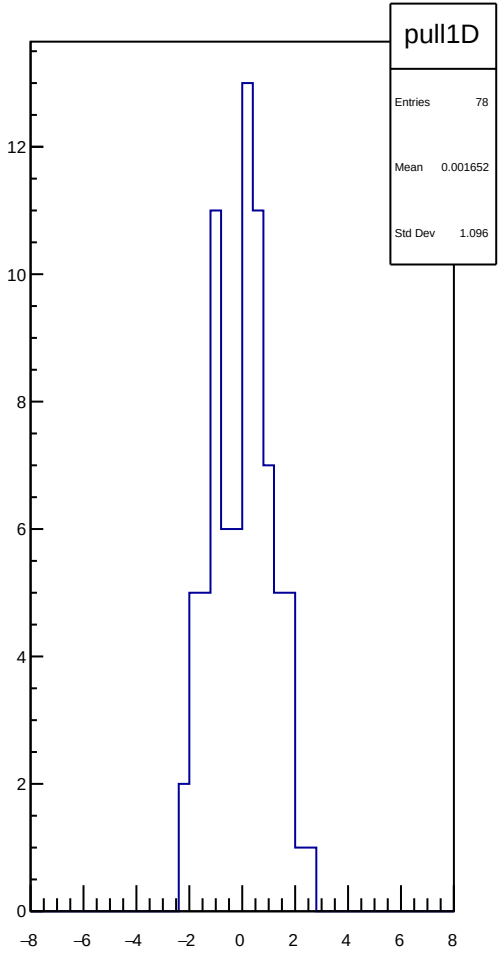

asym_atl_avg_rms vs run
χ² / ndf 2.203e+04 / 77
p0 5925 ± 4.922
8000
7500
7000
6500
6000
5500
5000
4500

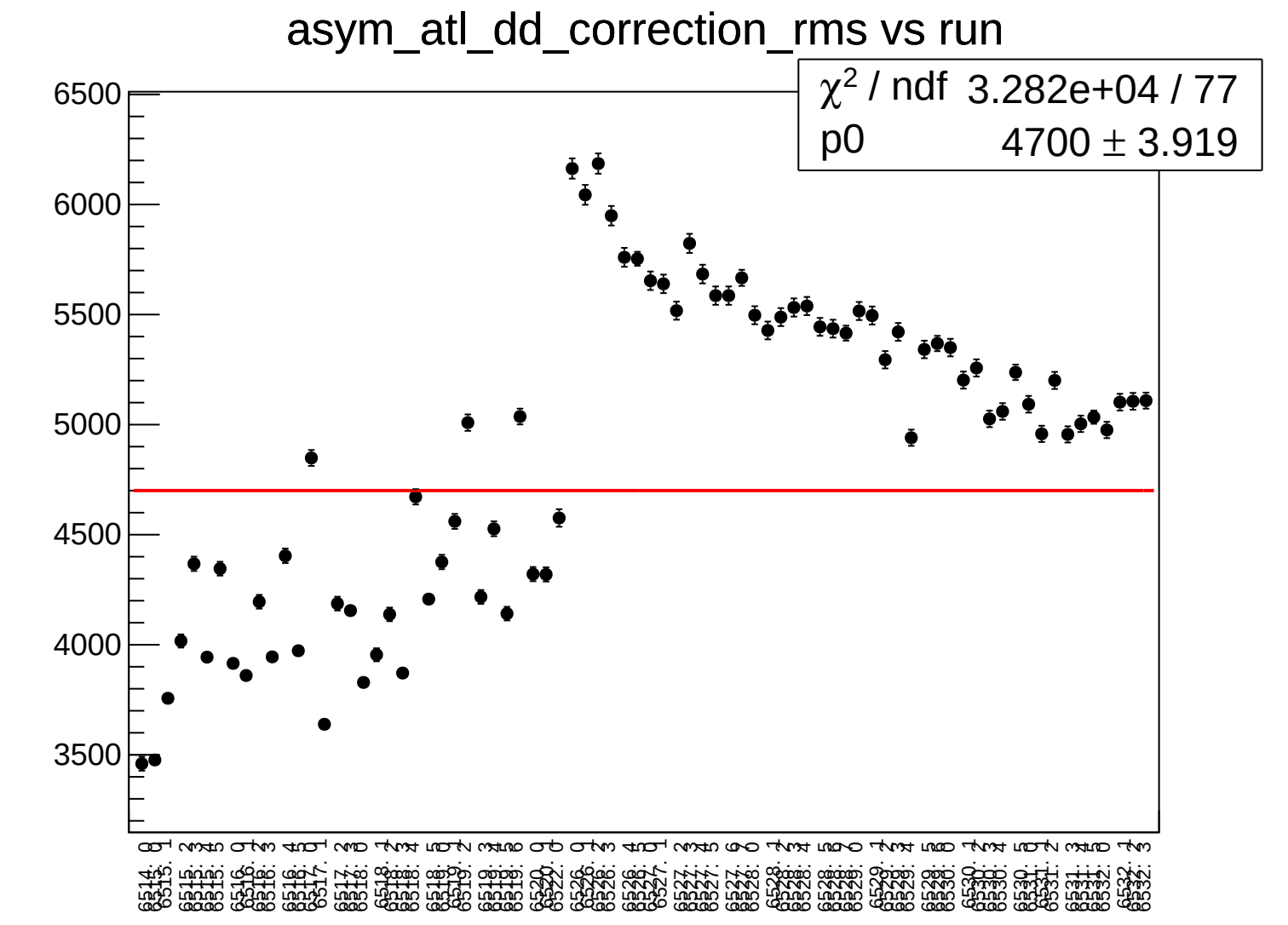

dit_asym_atl_dd_mean vs run
×10^3
χ² / ndf 69.79 / 77
p0 4603 ± 2224
pull
Entries 78
Mean −177.5
Std Dev 267.7

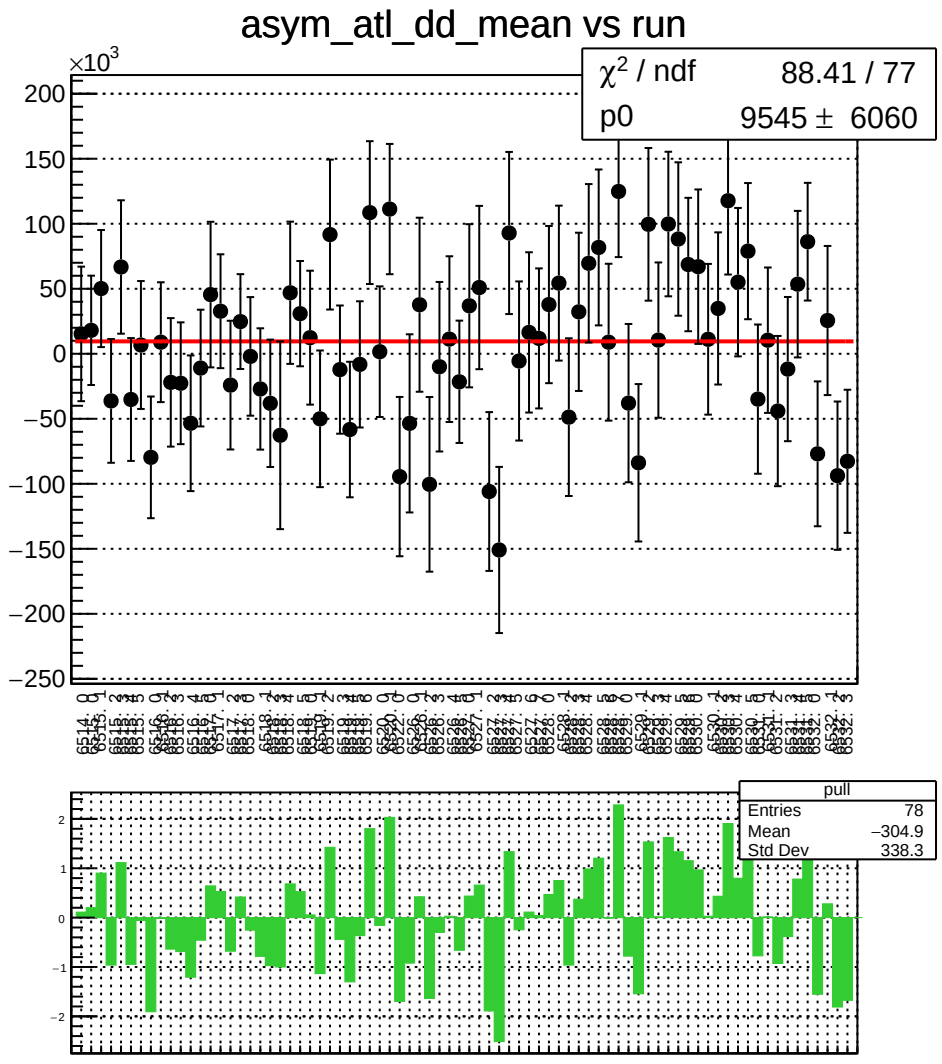

pull1D
Entries 78
Mean −0.00119
Std Dev 0.9459

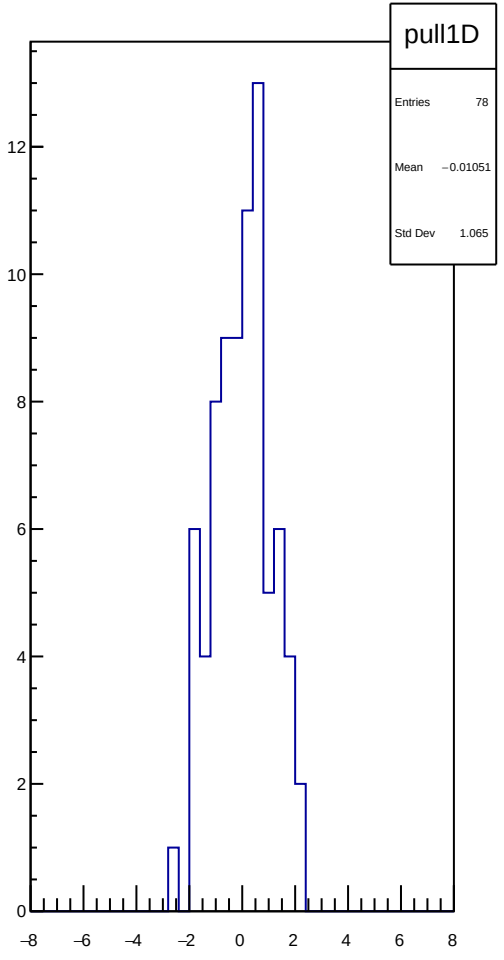

dit_asym_atl_dd_rms vs run
χ² / ndf 7998 / 77
p0 1902 ± 1.573
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

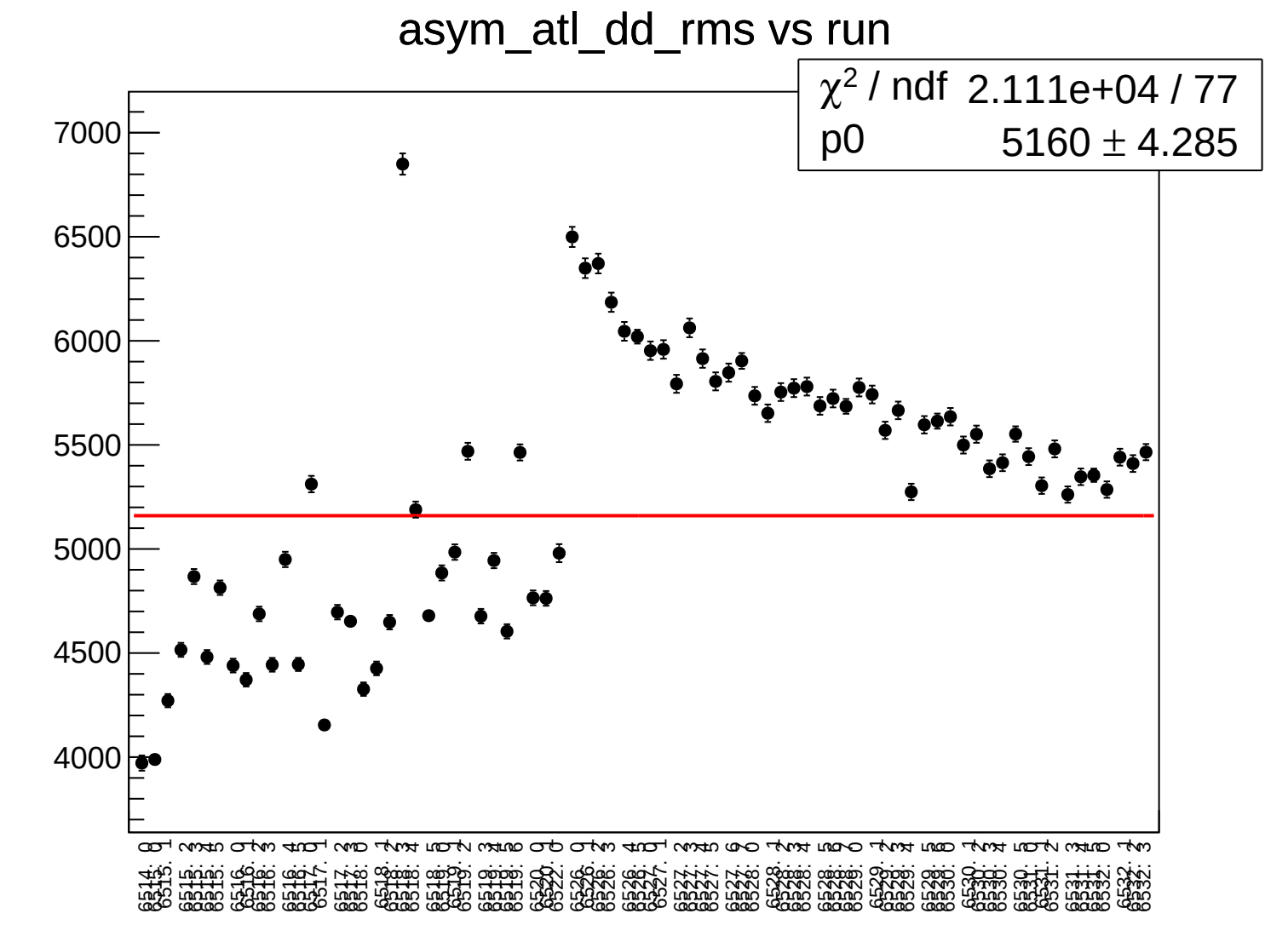

asym_atl_dd_correction_mean vs run
×10^3
χ² / ndf 93.71 / 77
p0 −4214 ± 5543
200
150
100
50
0
−50
−100
−150
pull
Entries 78
Mean −2271
Std Dev 2303
2
1
0
−1
−2

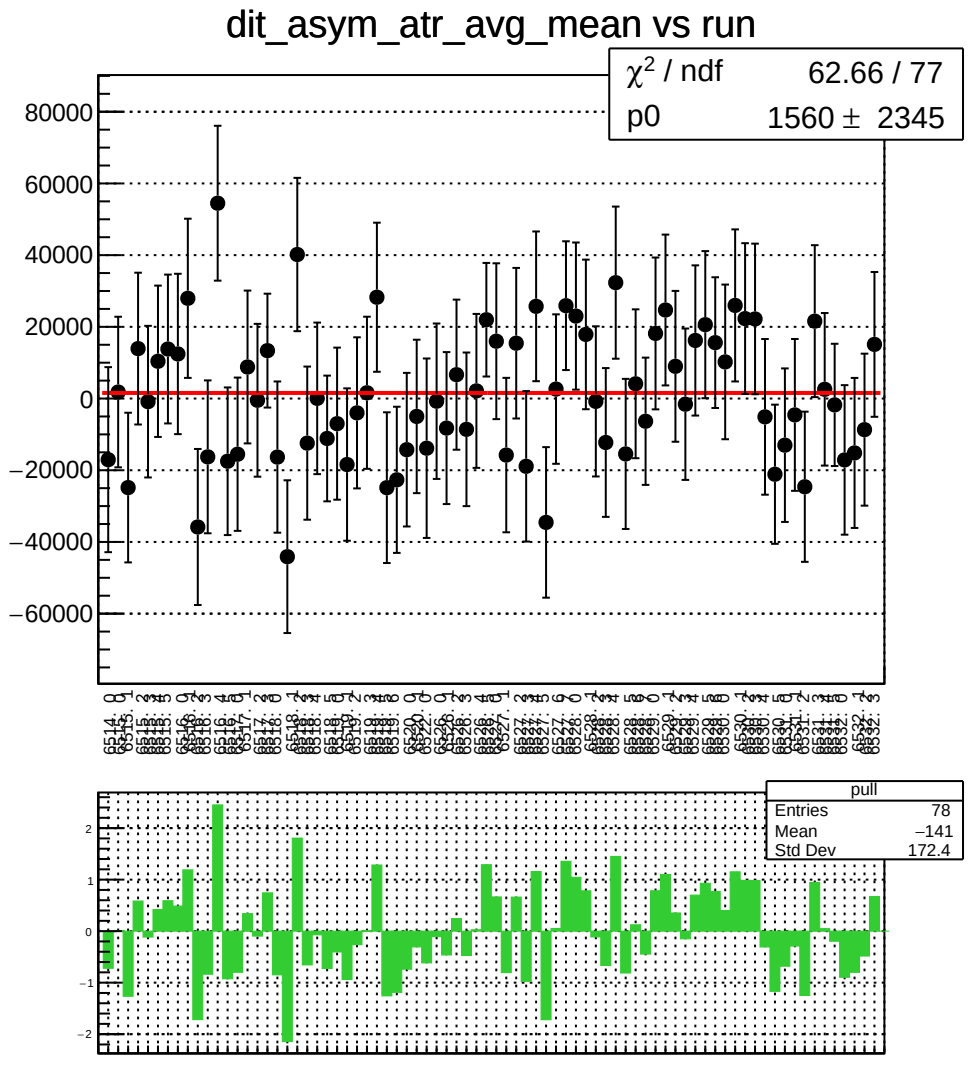

pull1D
Entries 78
Mean 0.001652
Std Dev 1.096
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

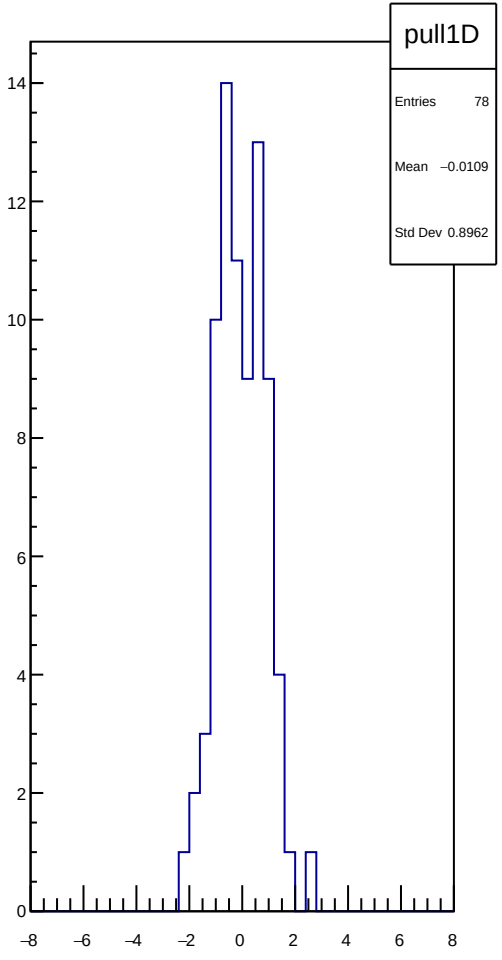

asym_atl_dd_correction_rms vs run
χ² / ndf 3.282e+04 / 77
p0 4700 ± 3.919
6500
6000
5500
5000
4500
4000
3500

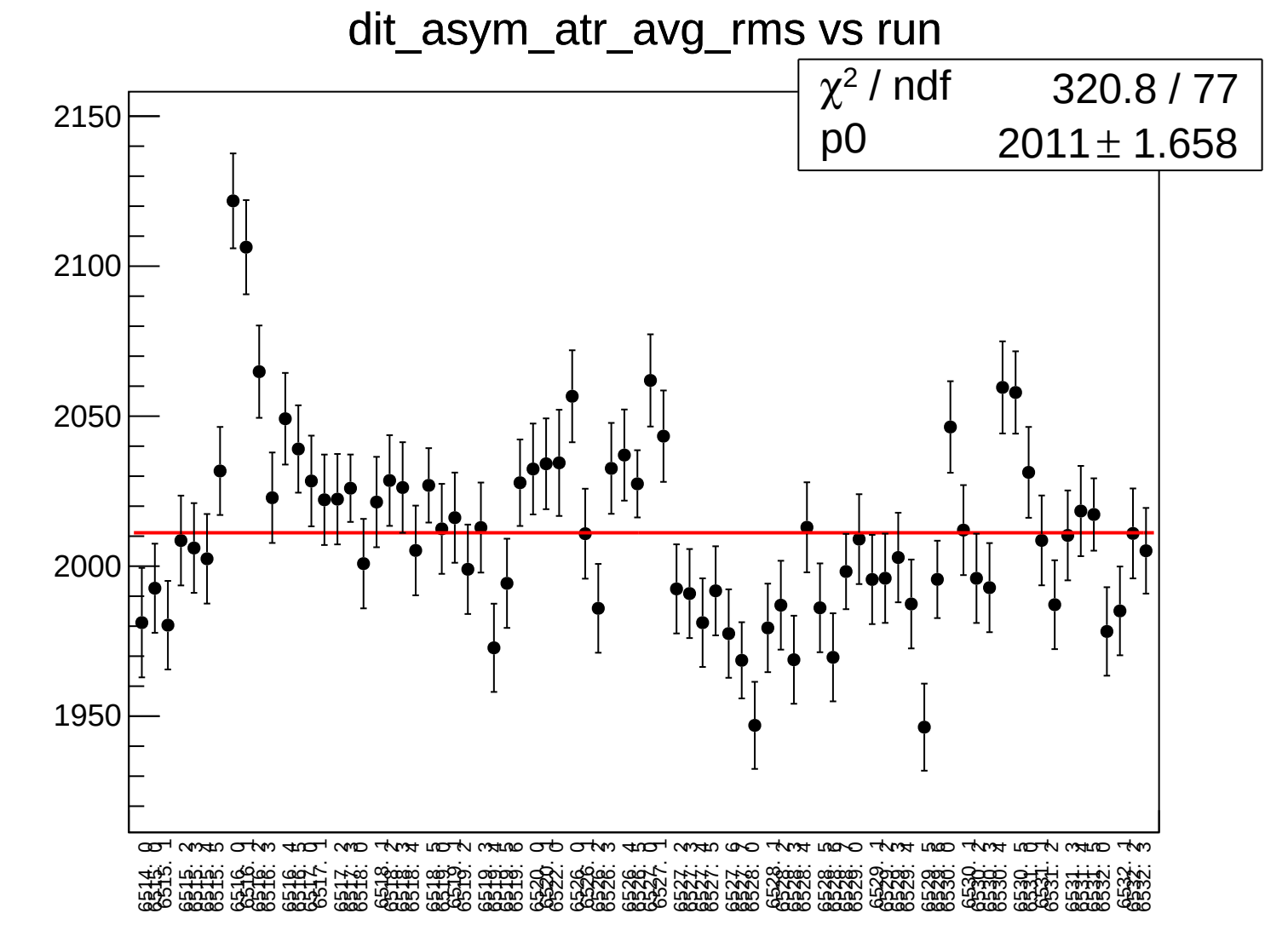

asym_atl_dd_mean vs run
×10^3
χ² / ndf 88.41 / 77
p0 9545 ± 6060
pull
Entries 78
Mean −304.9
Std Dev 338.3

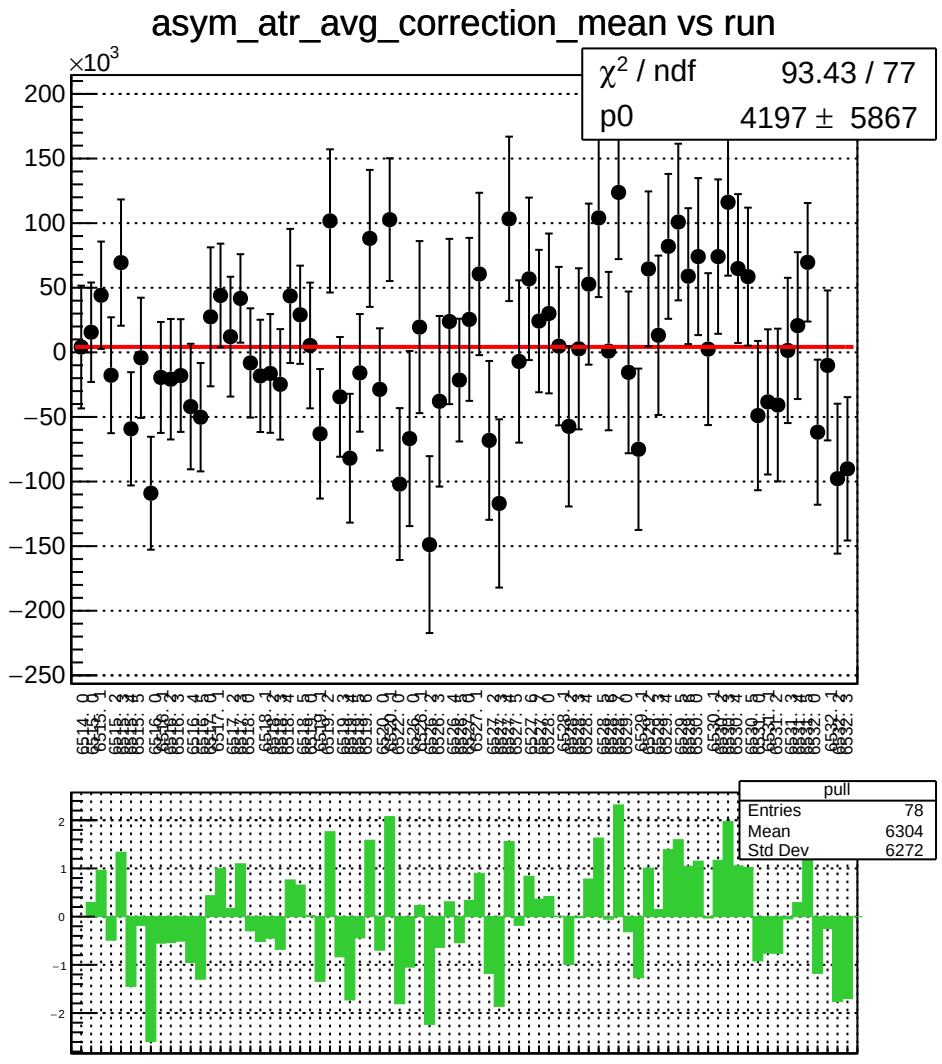

pull1D
Entries 78
Mean −0.01051
Std Dev 1.065

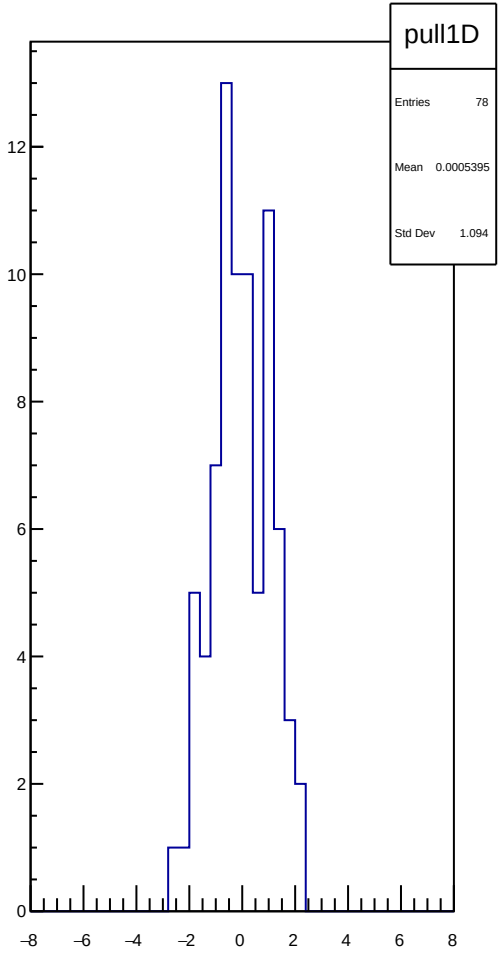

asym_atl_dd_rms vs run
χ^2 / ndf 2.111e+04 / 77
p0 5160 ± 4.285
7000
6500
6000
5500
5000
4500
4000

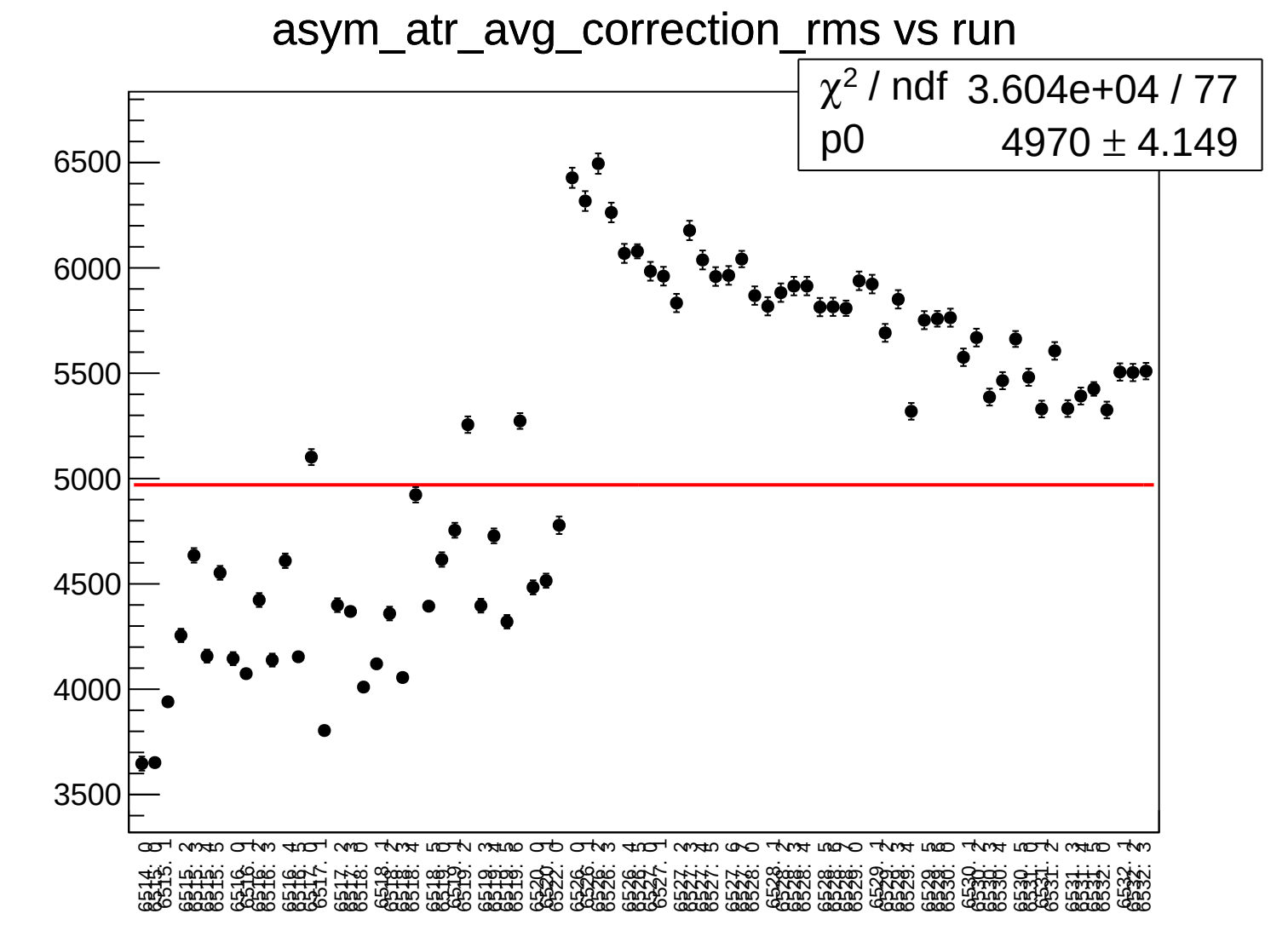

dit_asym_atr_avg_mean vs run
χ² / ndf 62.66 / 77
p0 1560 ± 2345
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 78
Mean −141
Std Dev 172.4
2
1
0
−1
−2

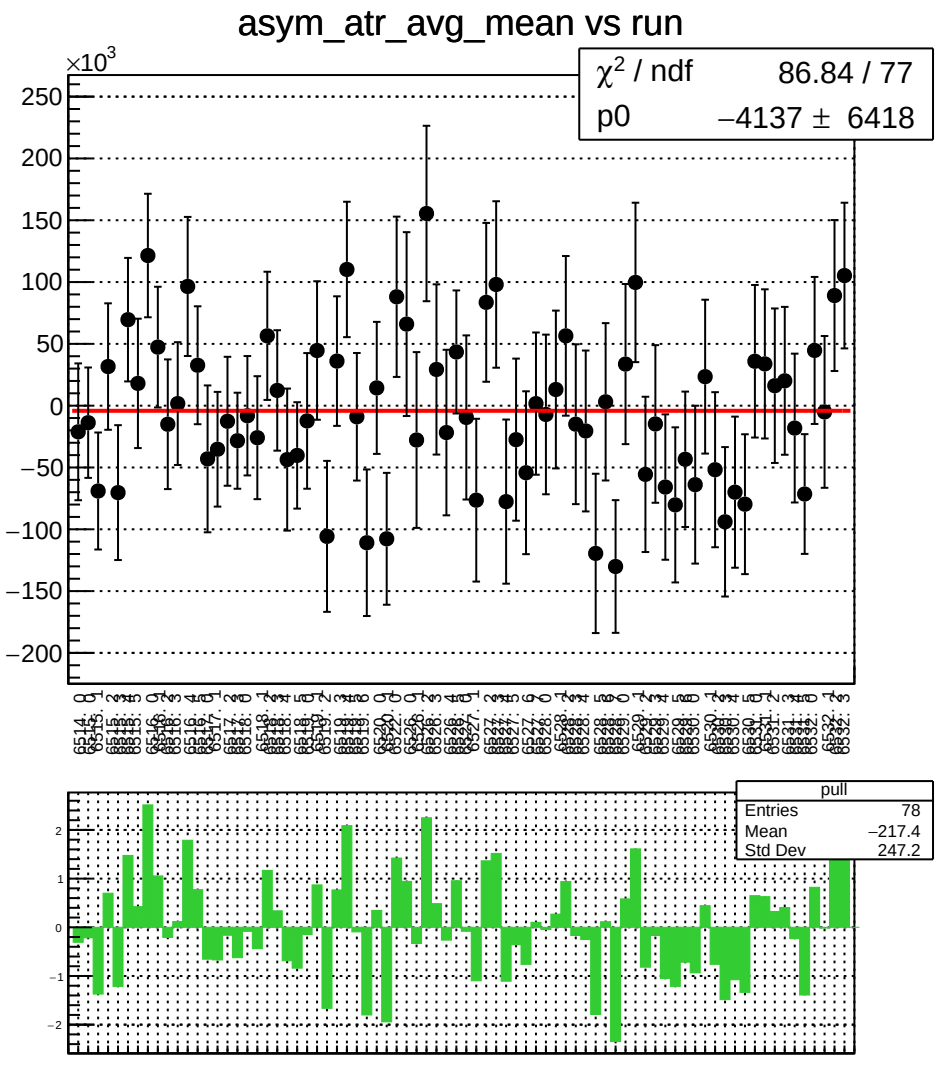

pull1D
Entries 78
Mean −0.0109
Std Dev 0.8962
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

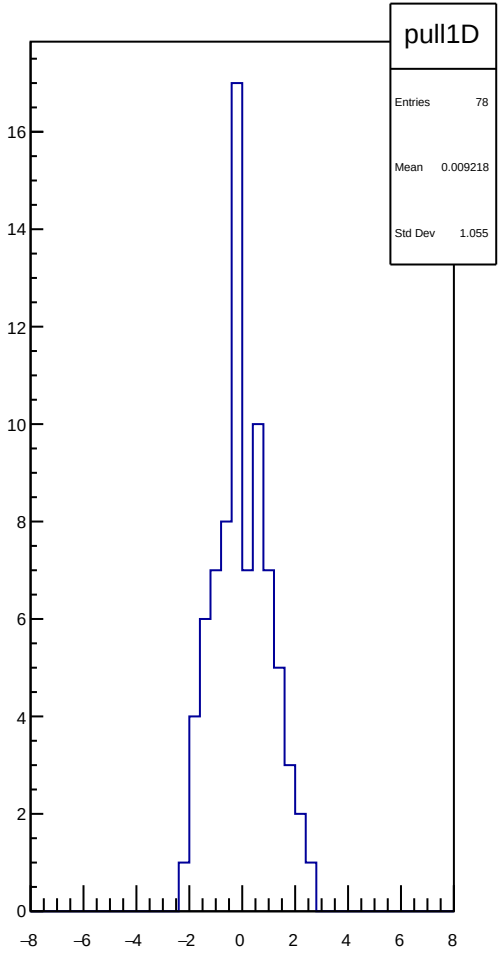

dit_asym_atr_avg_rms vs run
χ² / ndf 320.8 / 77
p0 2011 ± 1.658
2150
2100
2050
2000
1950

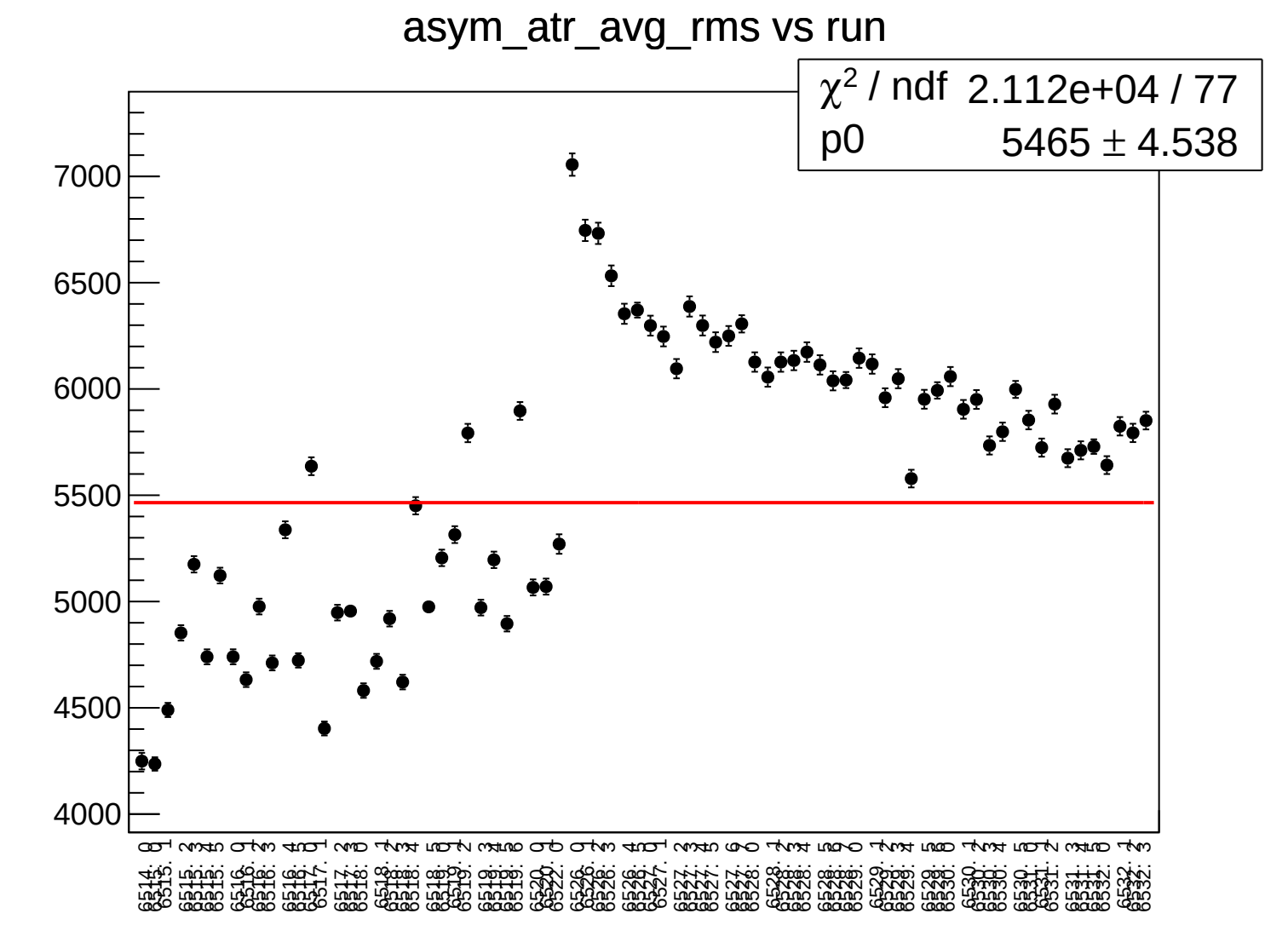

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 93.43 / 77
p0 4197 ± 5867
pull
Entries 78
Mean 6304
Std Dev 6272

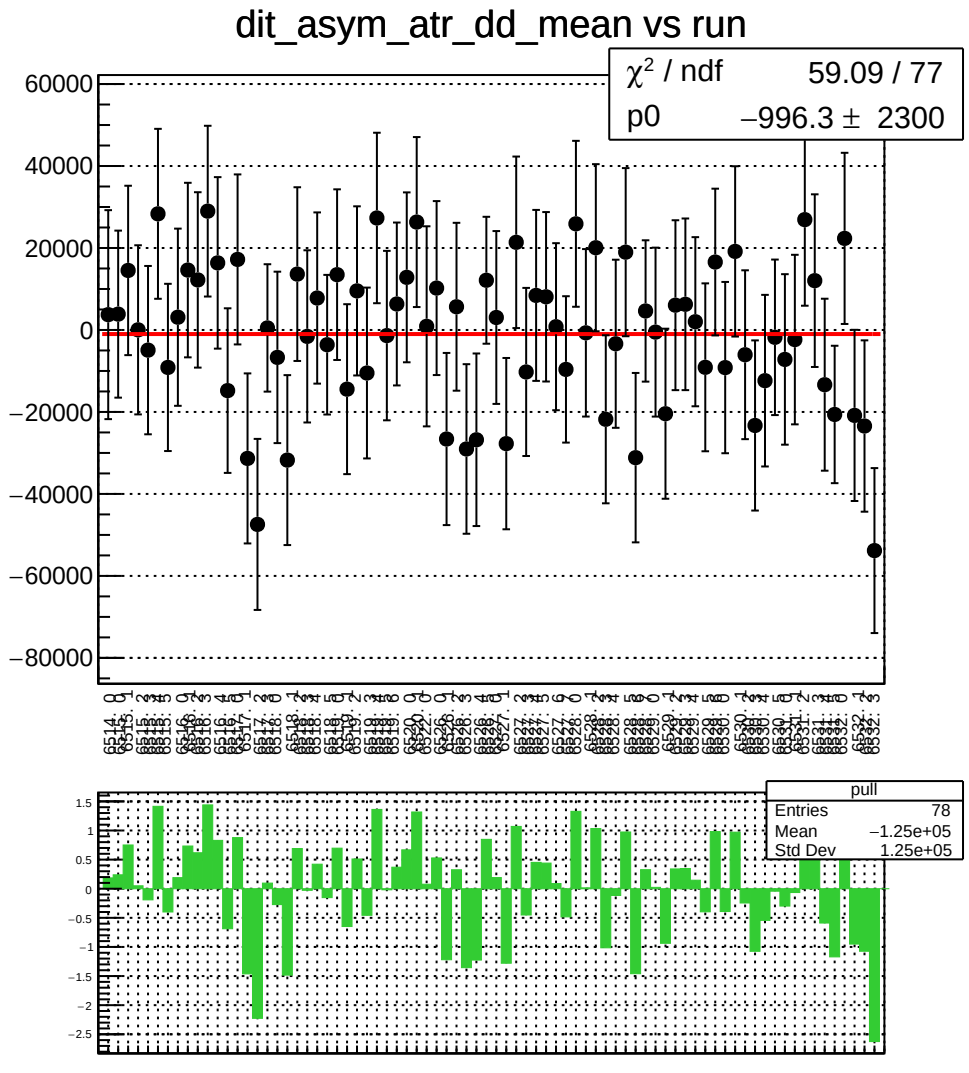

pull1D
Entries 78
Mean 0.0005395
Std Dev 1.094

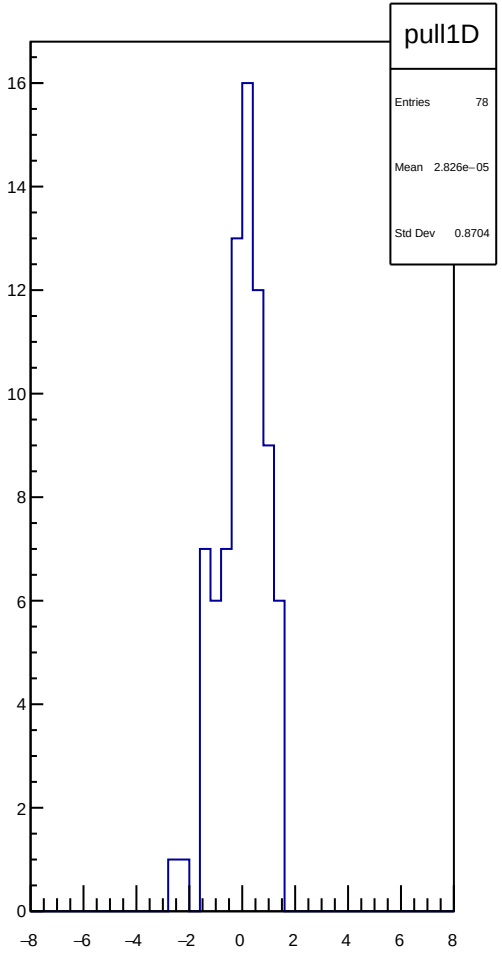

asym_atr_avg_correction_rms vs run
χ² / ndf 3.604e+04 / 77
p0 4970 ± 4.149
6500
6000
5500
5000
4500
4000
3500

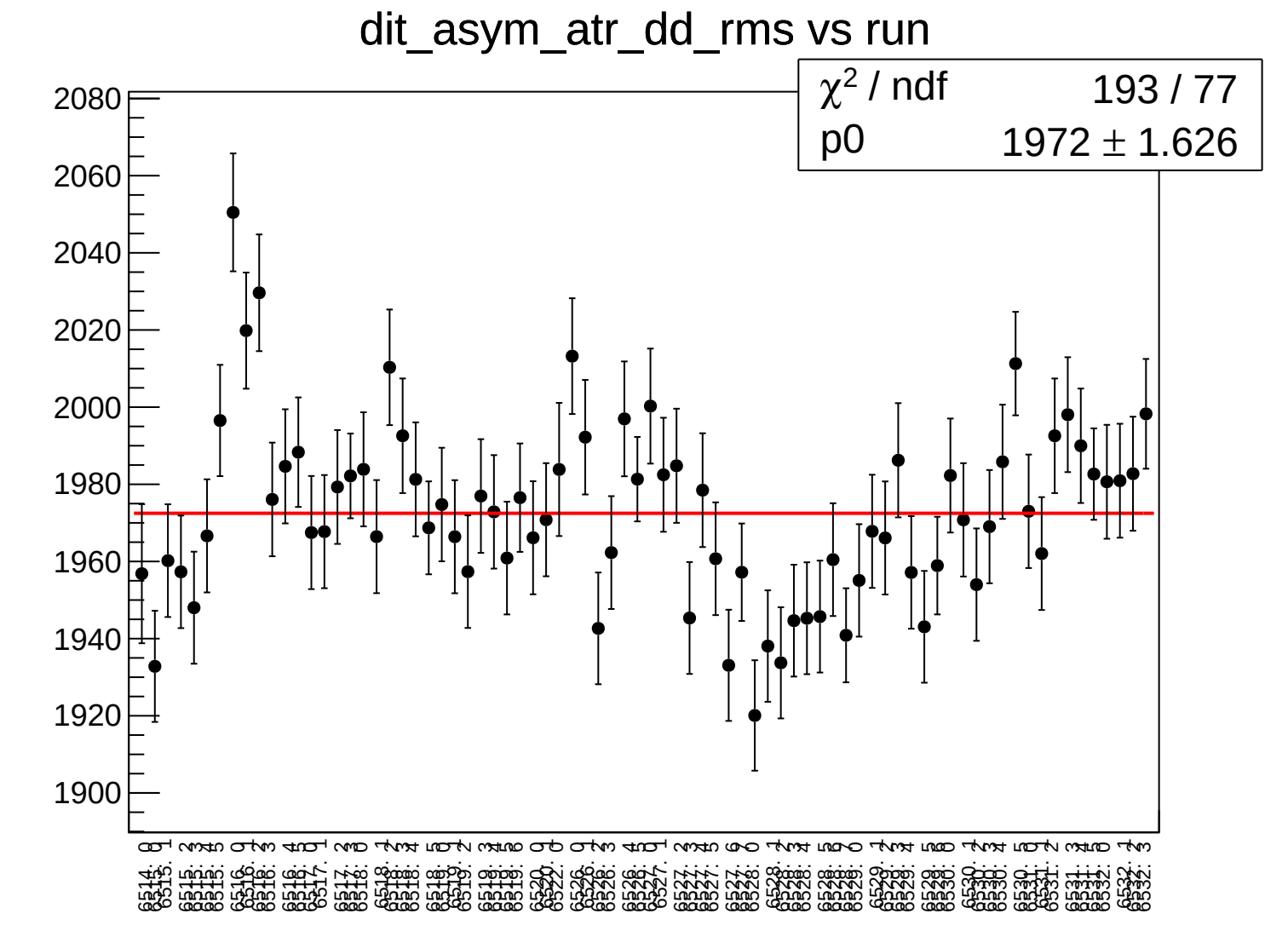

asym_atr_avg_mean vs run
×10^3
χ² / ndf 86.84 / 77
p0 −4137 ± 6418
pull
Entries 78
Mean −217.4
Std Dev 247.2

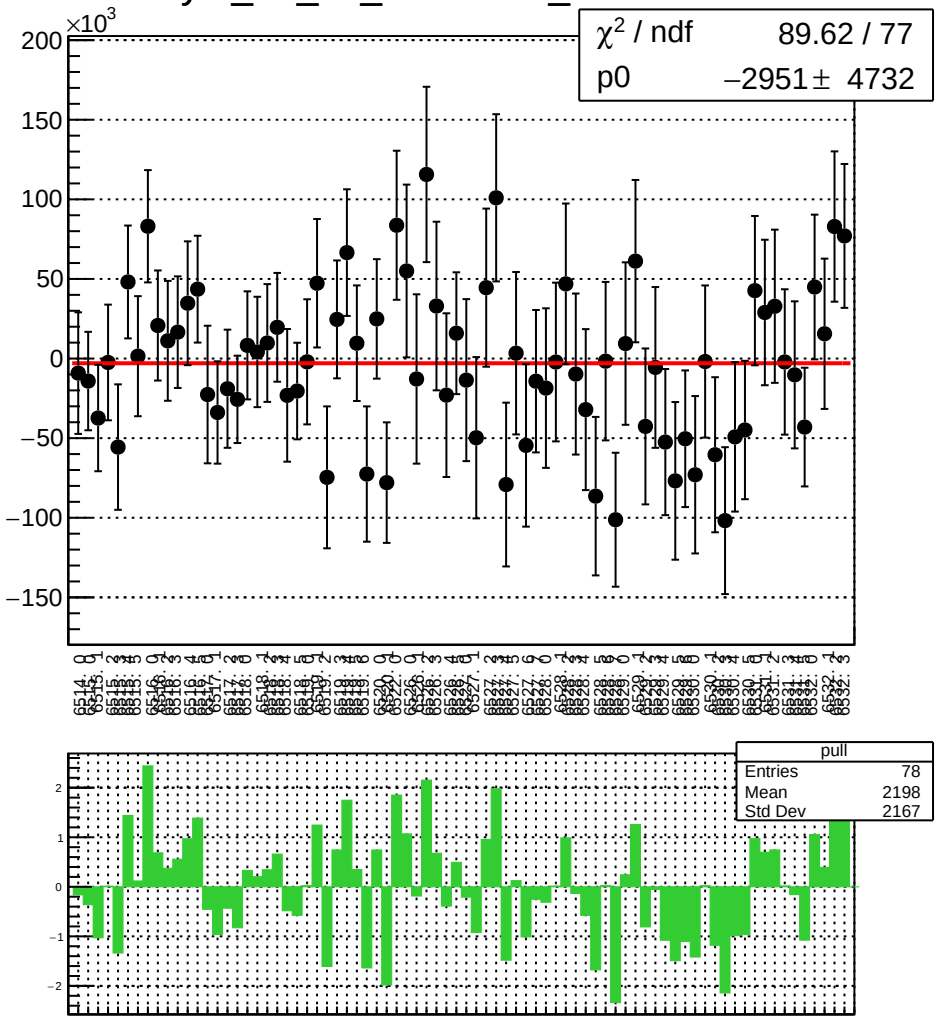

pull1D
Entries 78
Mean 0.009218
Std Dev 1.055

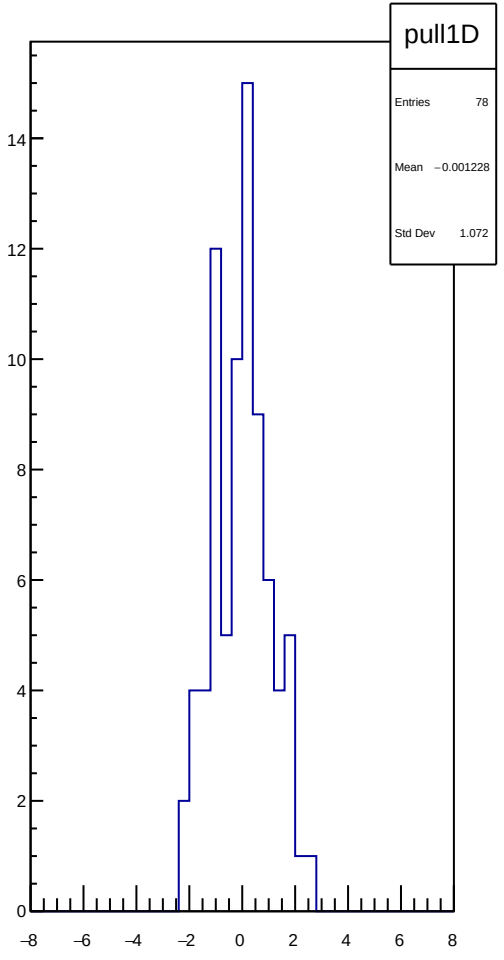

asym_atr_avg_rms vs run
χ² / ndf 2.112e+04 / 77
p0 5465 ± 4.538
7000
6500
6000
5500
5000
4500
4000

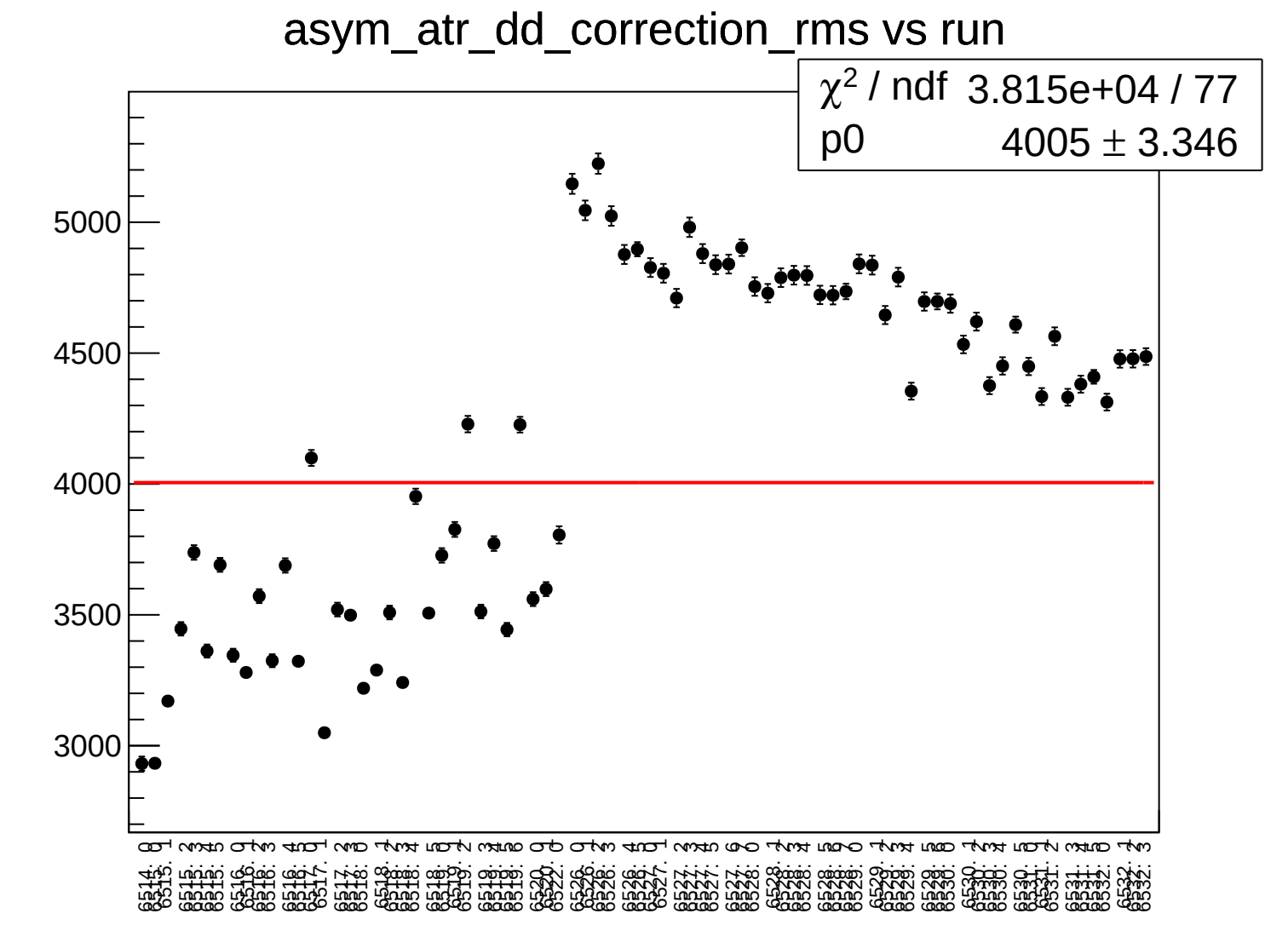

dit_asym_atr_dd_mean vs run
χ² / ndf 59.09 / 77
p0 −996.3 ± 2300
pull
Entries 78
Mean −1.25e+05
Std Dev 1.25e+05

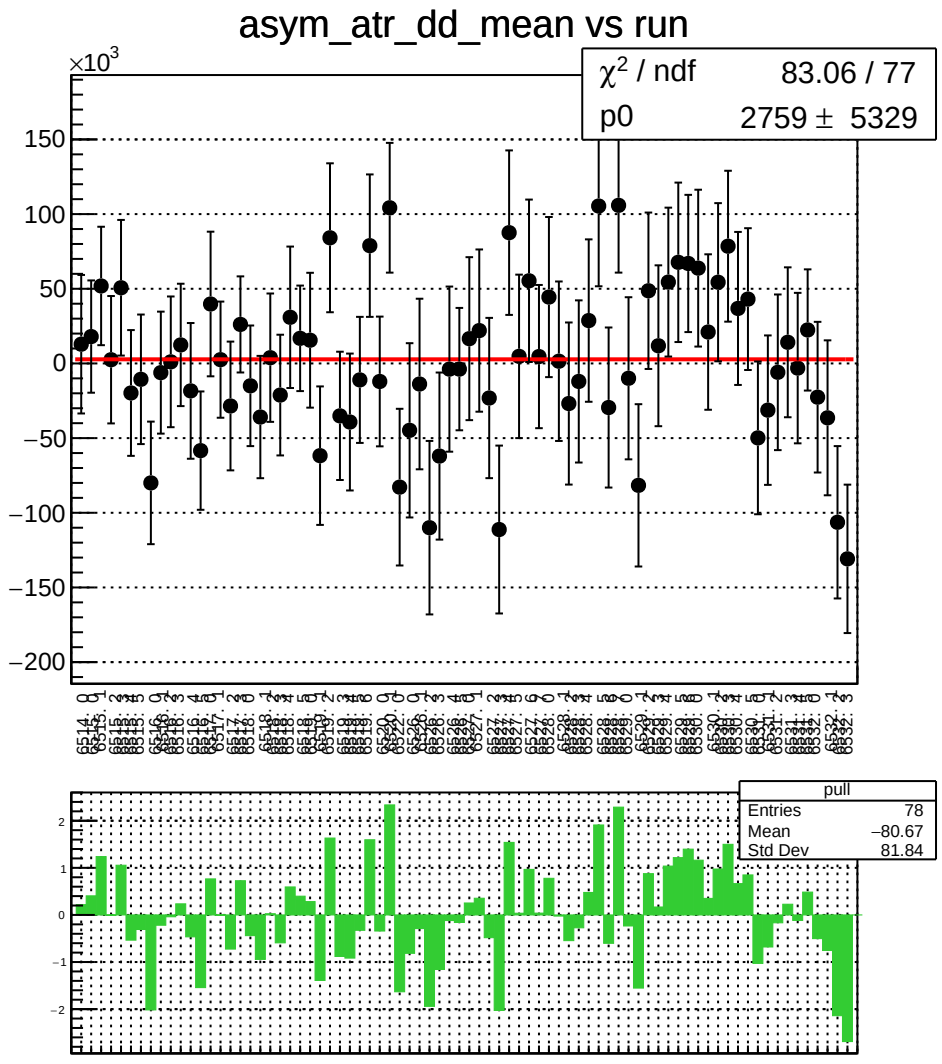

pull1D
Entries 78
Mean 2.826e−05
Std Dev 0.8704

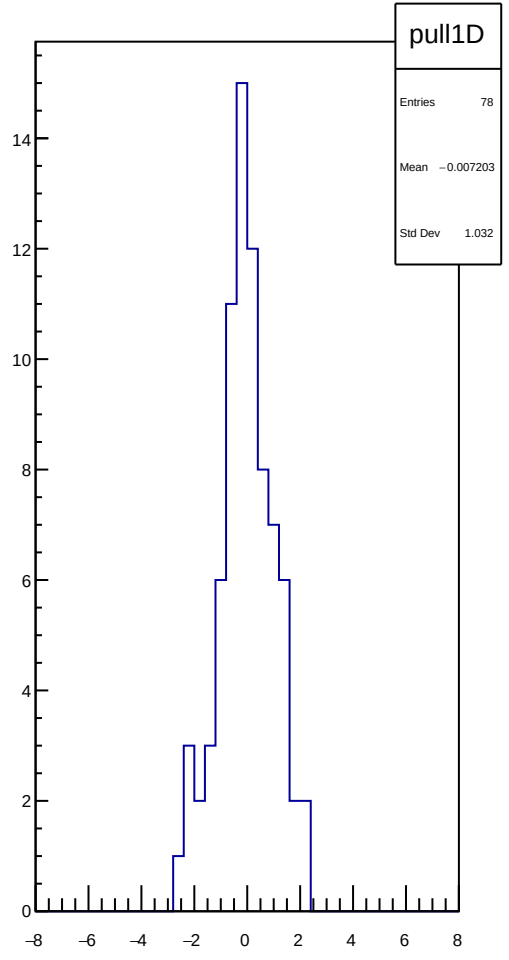

dit_asym_atr_dd_rms vs run
χ² / ndf 193 / 77
p0 1972 ± 1.626
2080
2060
2040
2020
2000
1980
1960
1940
1920
1900

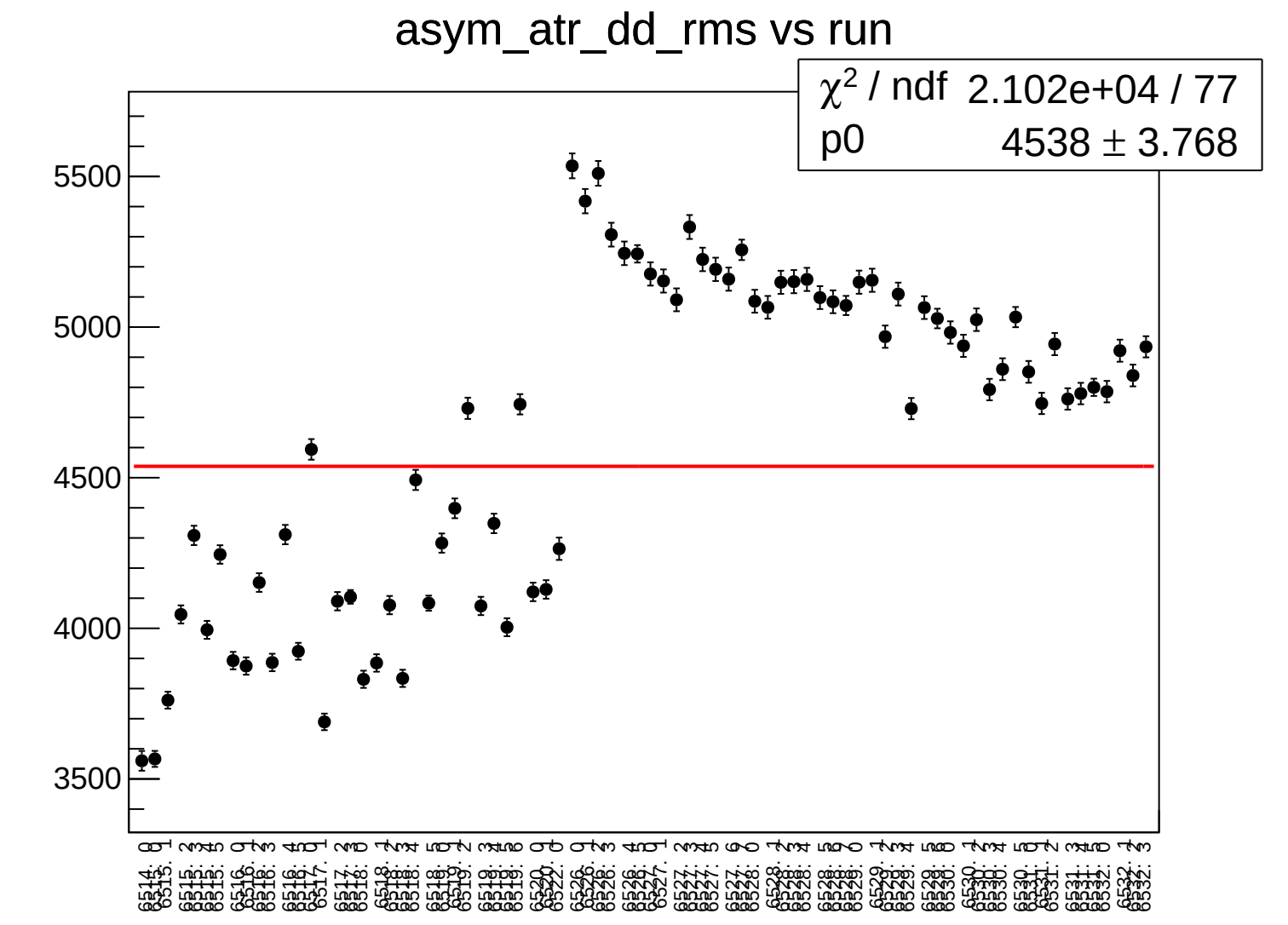

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 89.62 / 77
p0 −2951 ± 4732
pull
Entries 78
Mean 2198
Std Dev 2167

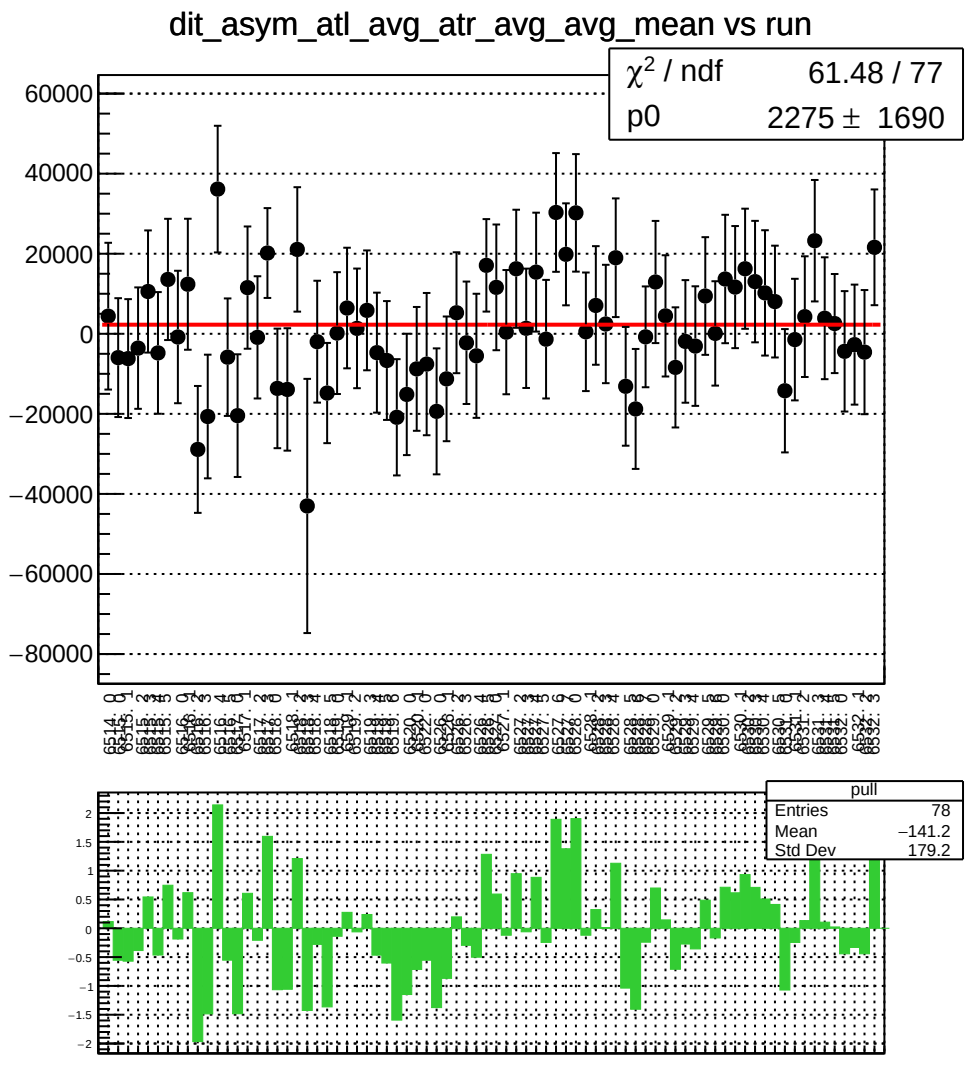

pull1D
Entries 78
Mean −0.001228
Std Dev 1.072

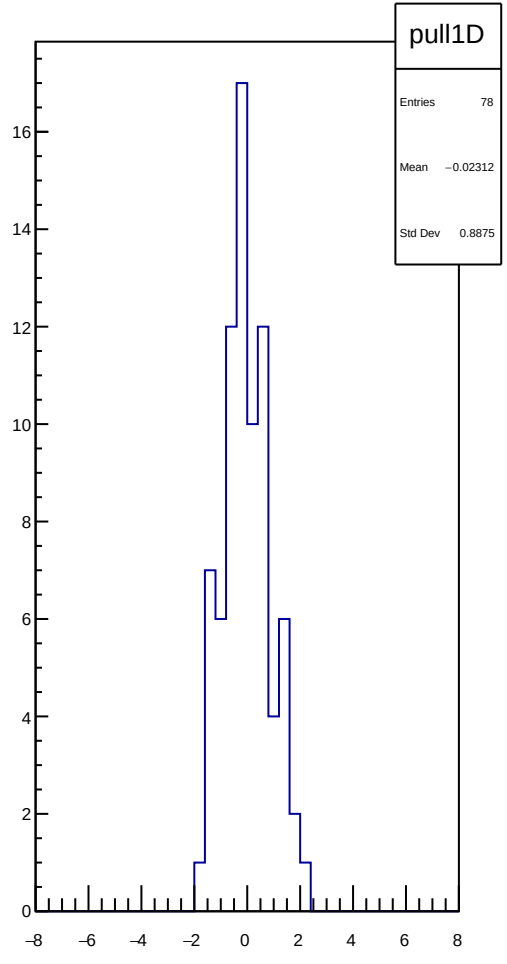

asym_atr_dd_correction_rms vs run
χ^2 / ndf 3.815e+04 / 77
p0 4005 ± 3.346
5000
4500
4000
3500
3000

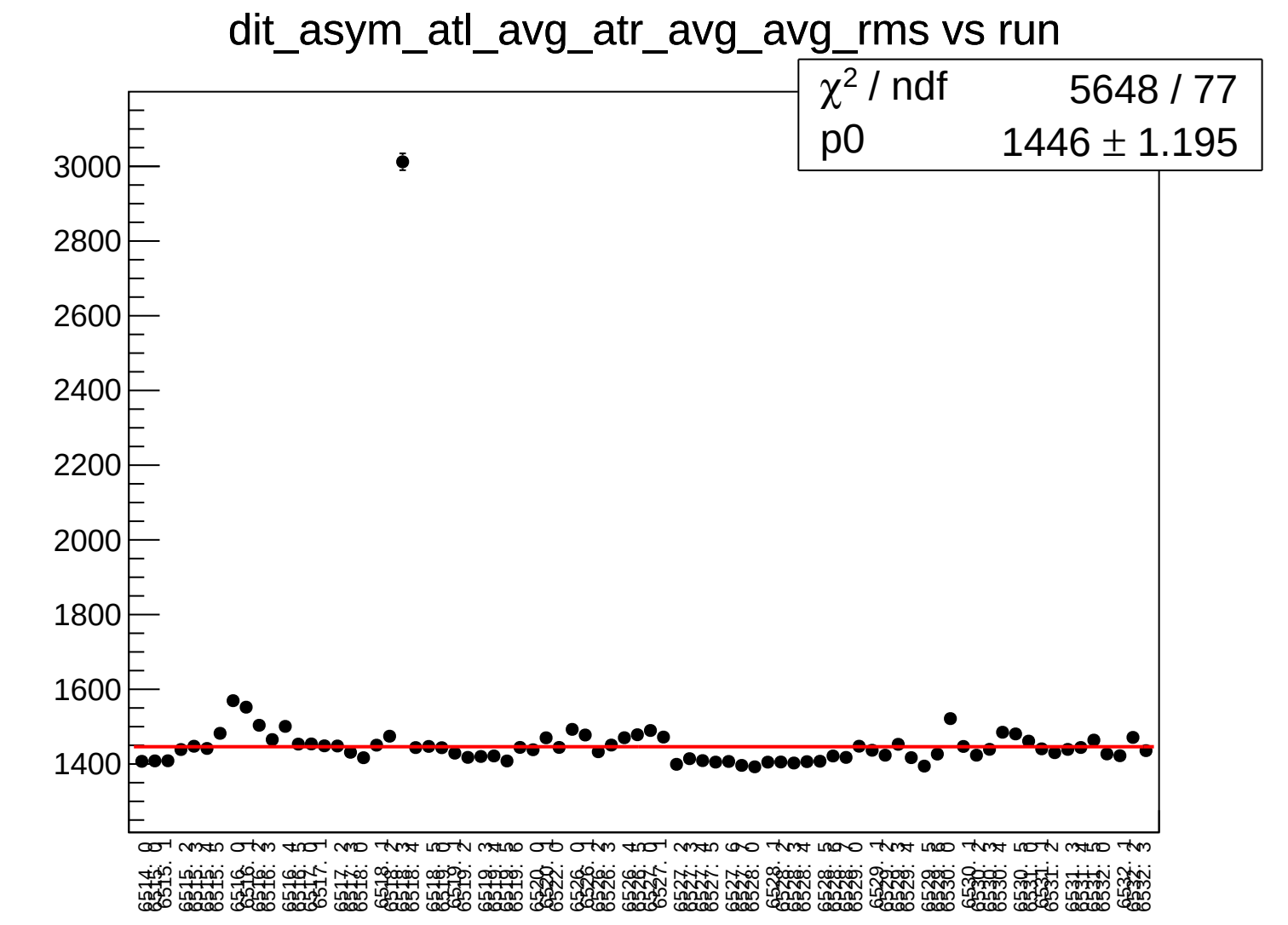

asym_atr_dd_mean vs run
×10^3
χ² / ndf 83.06 / 77
p0 2759 ± 5329
150
100
50
0
−50
−100
−150
−200
pull
Entries 78
Mean −80.67
Std Dev 81.84
2
1
0
−1
−2

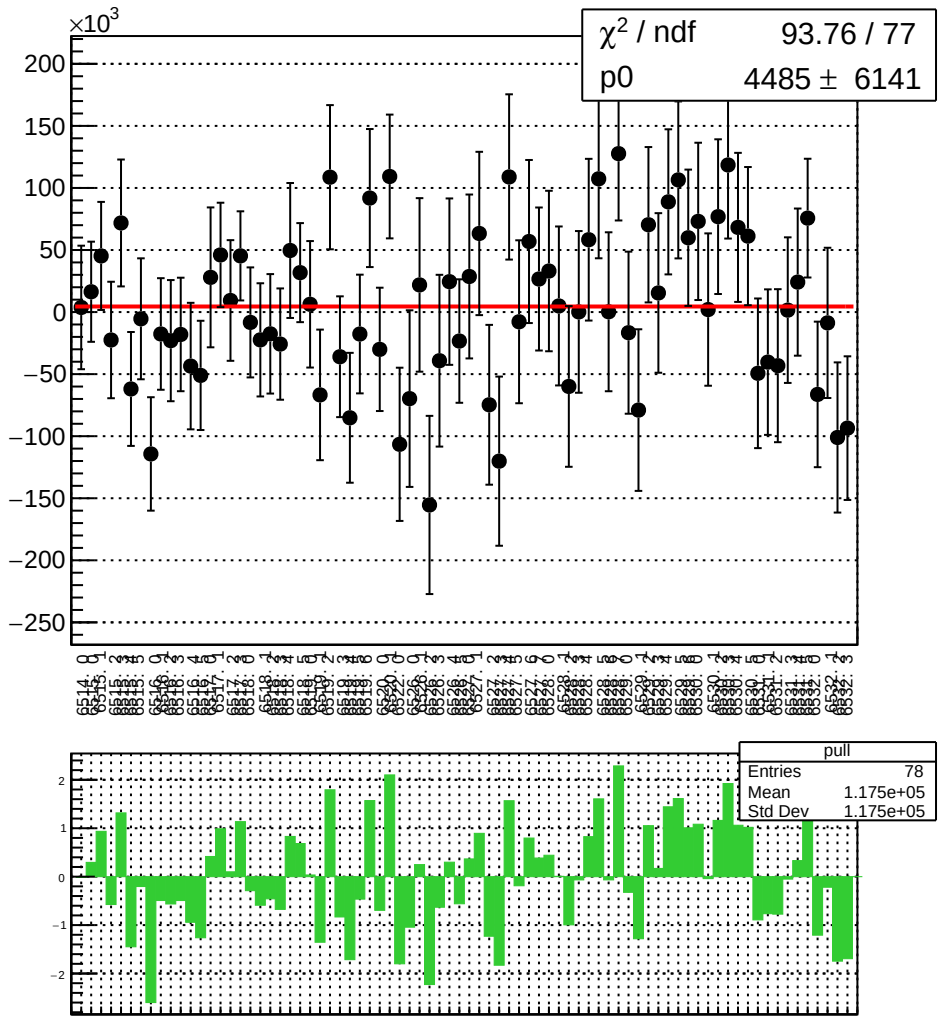

pull1D
Entries 78
Mean −0.007203
Std Dev 1.032
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

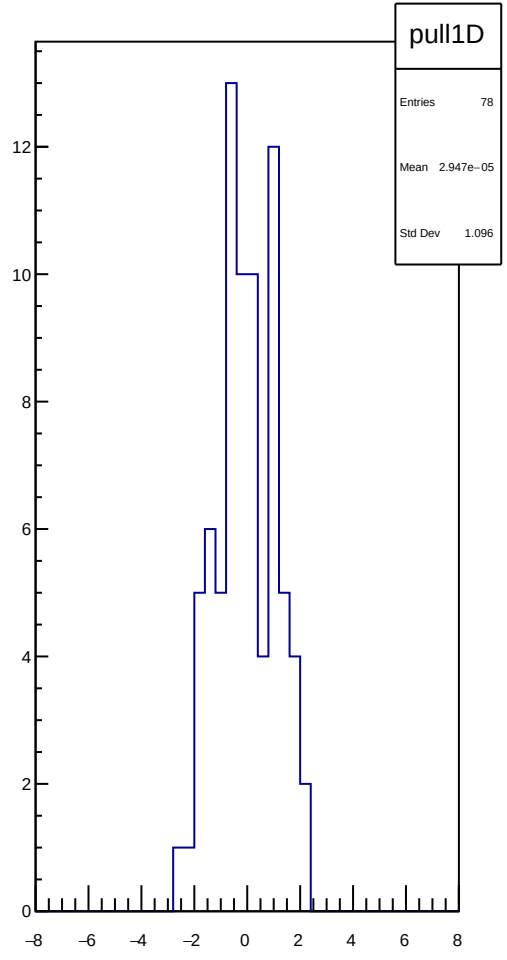

asym_atr_dd_rms vs run
χ^2 / ndf 2.102e+04 / 77
p0 4538 ± 3.768
5500
5000
4500
4000
3500

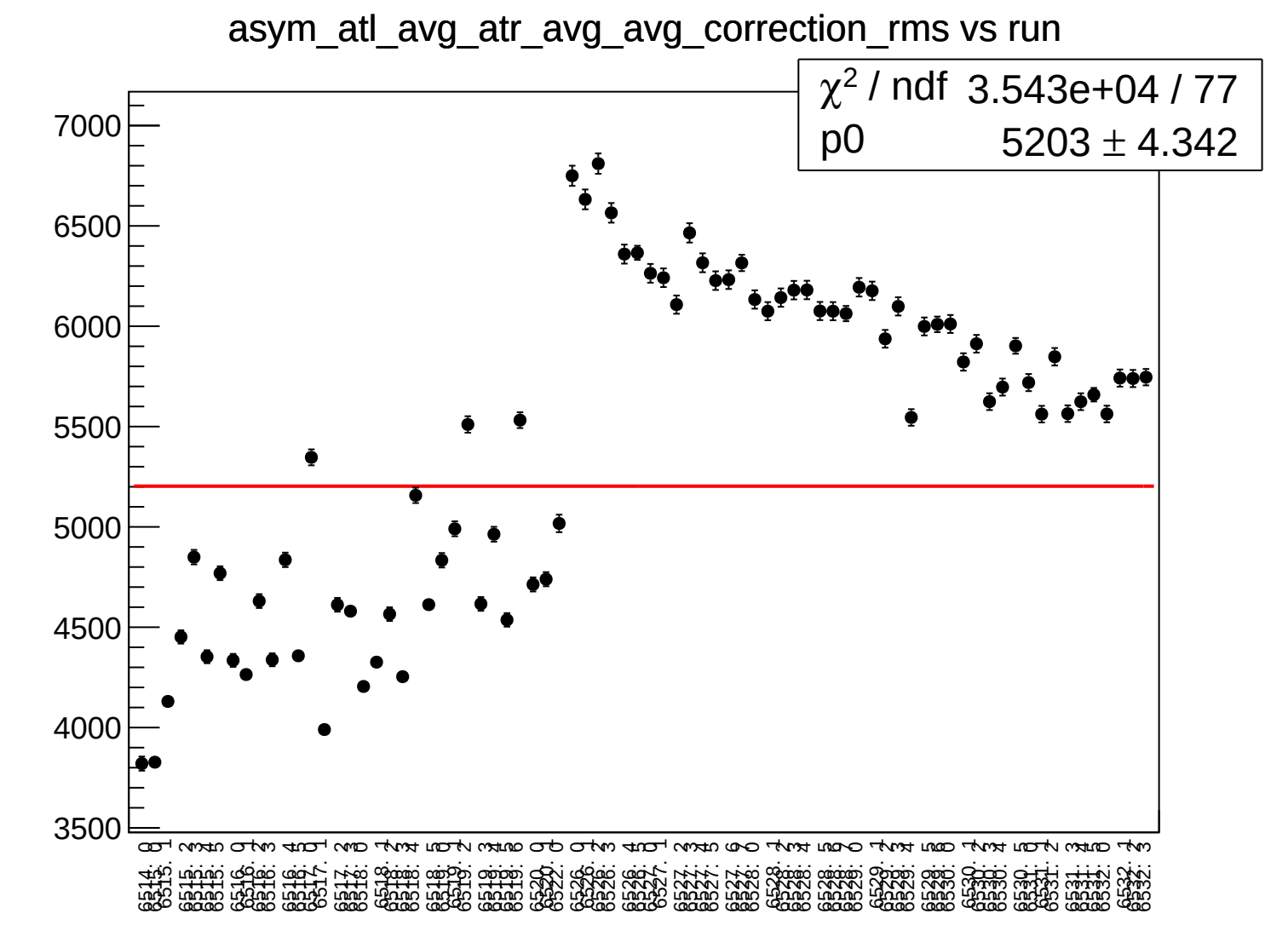

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 61.48 / 77
p0 2275 ± 1690
pull
Entries 78
Mean −141.2
Std Dev 179.2

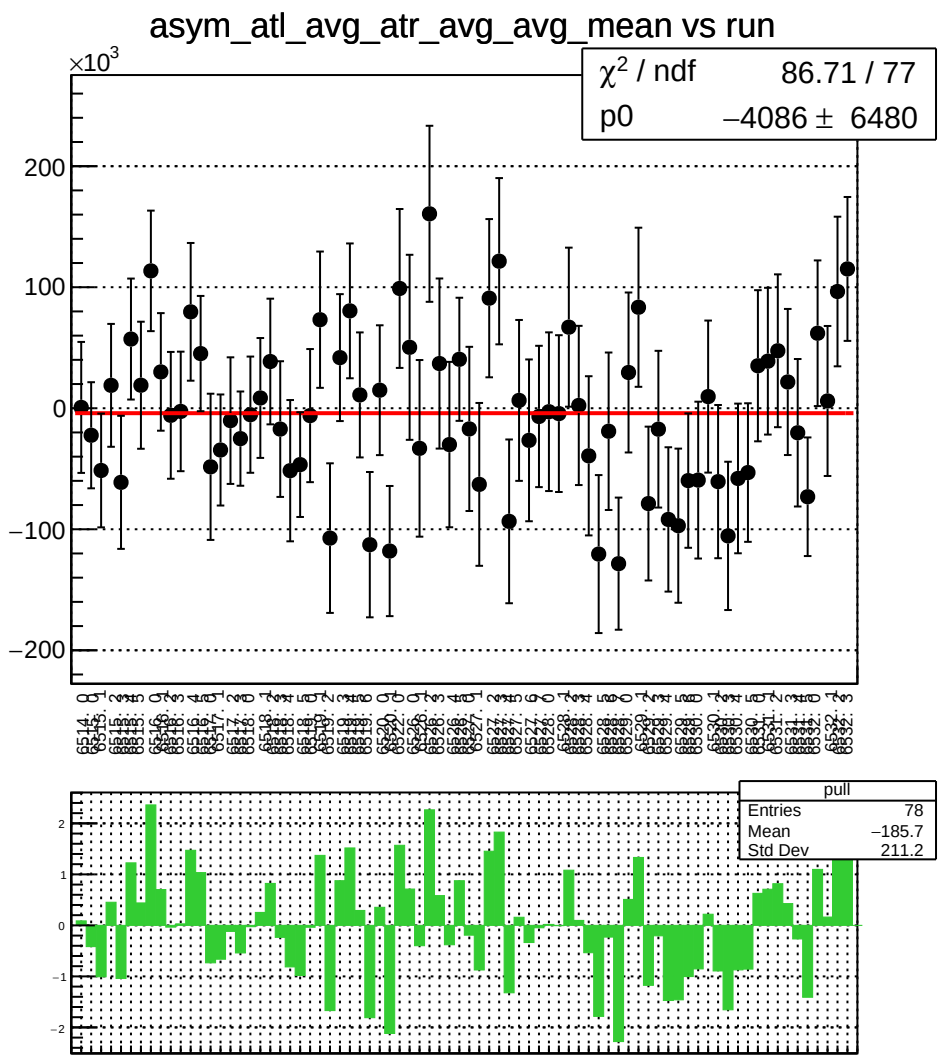

pull1D
Entries 78
Mean −0.02312
Std Dev 0.8875

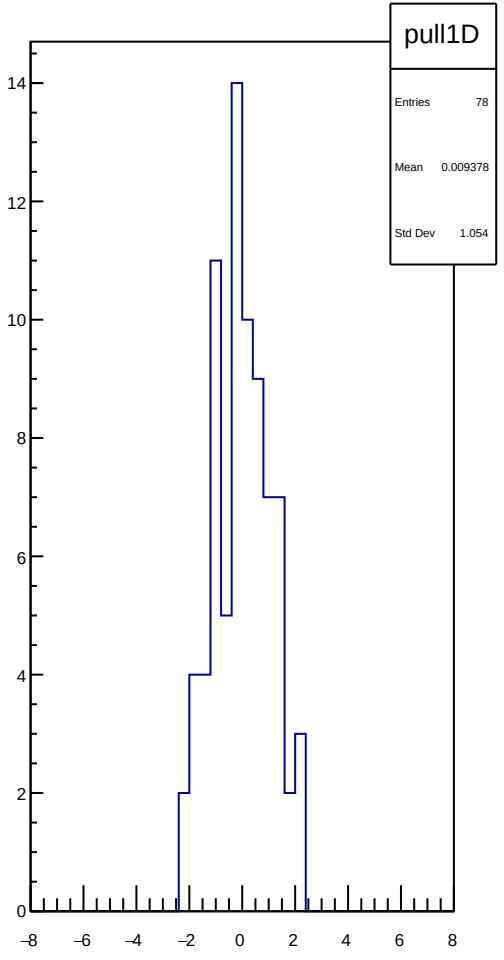

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 5648 / 77
p0 1446 ± 1.195
3000
2800
2600
2400
2200
2000
1800
1600
1400

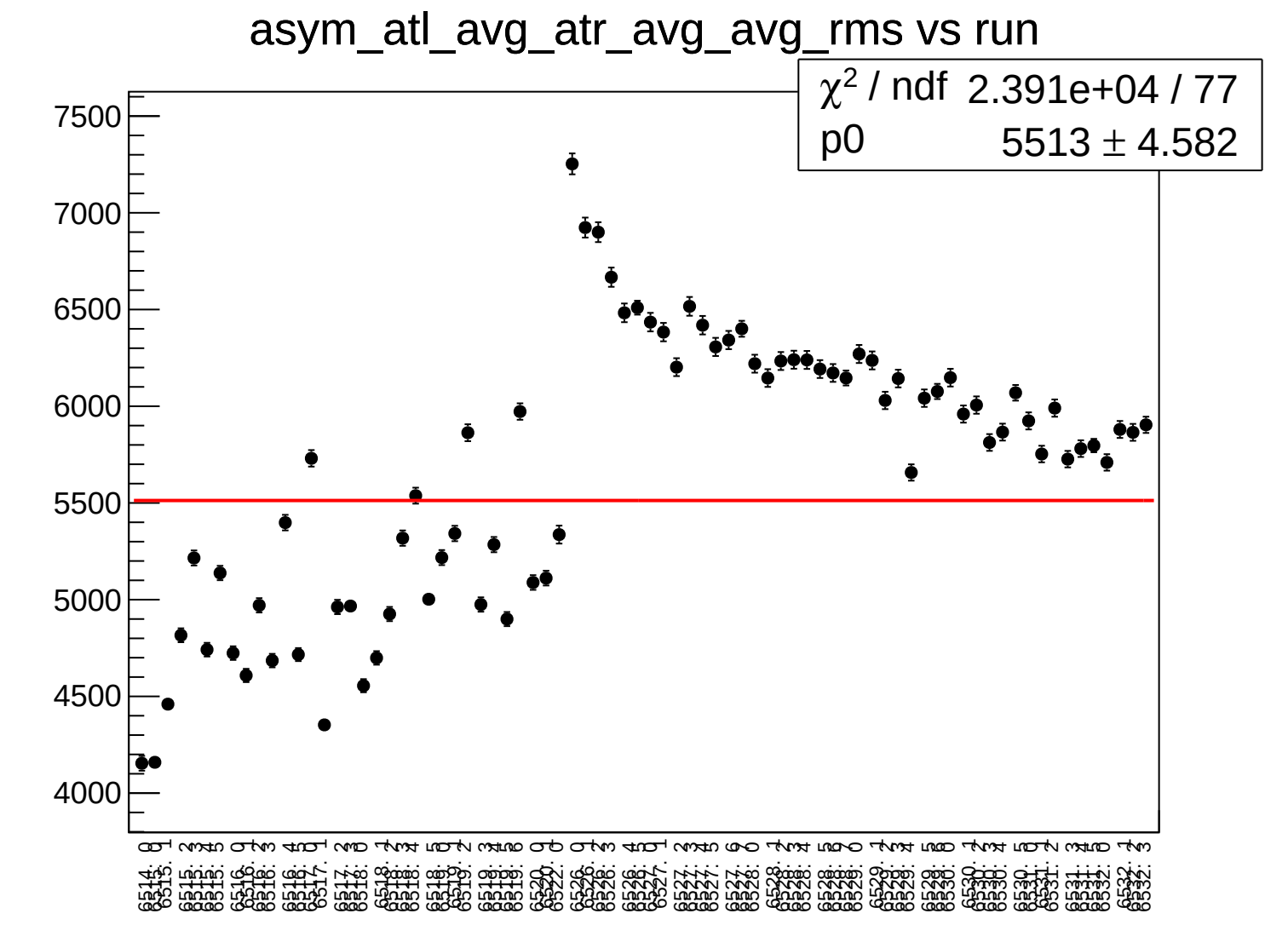

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 93.76 / 77
p0 4485 ± 6141
pull
Entries 78
Mean 1.175e+05
Std Dev 1.175e+05

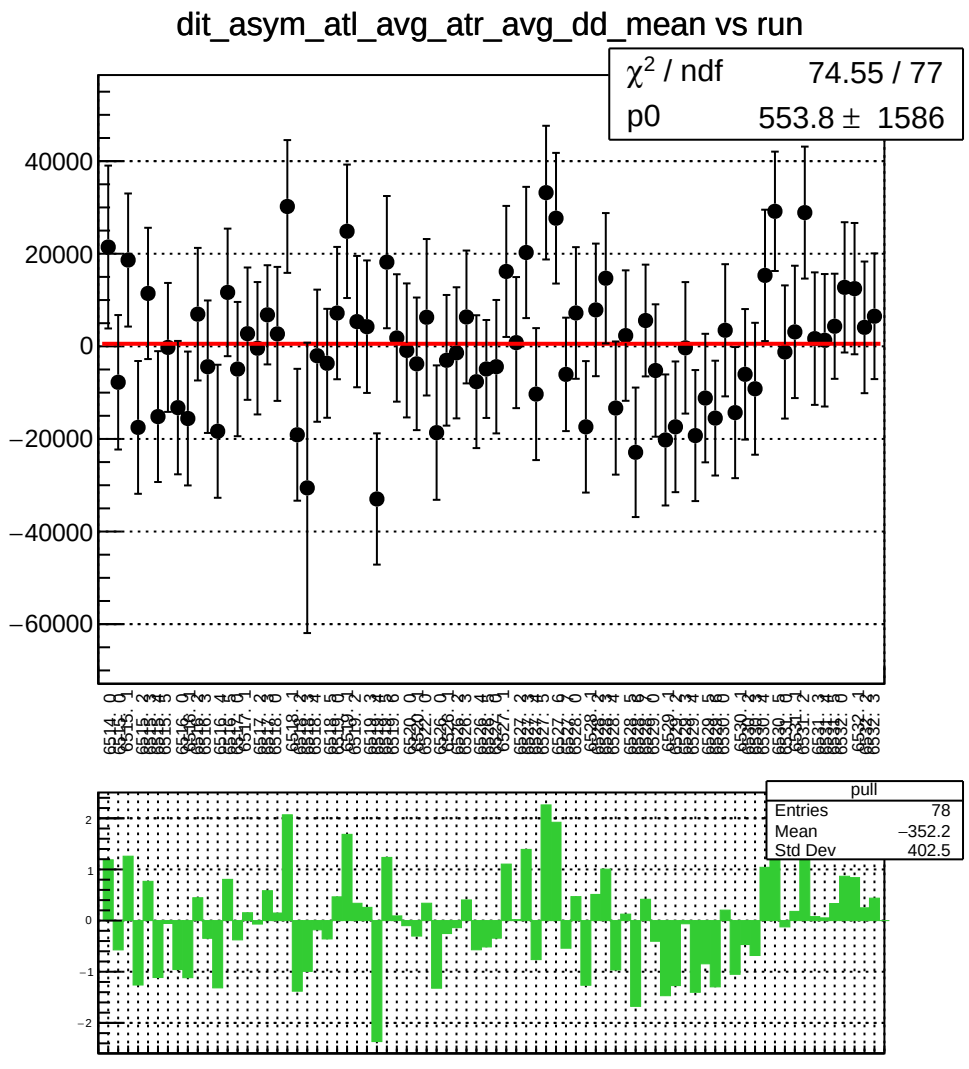

pull1D
Entries 78
Mean 2.947e−05
Std Dev 1.096

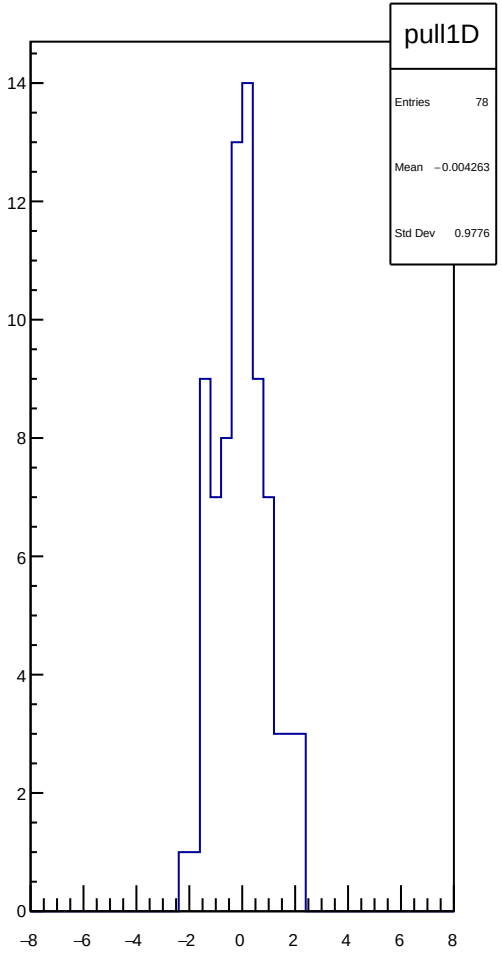

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 3.543e+04 / 77
p0 5203 ± 4.342
7000
6500
6000
5500
5000
4500
4000
3500

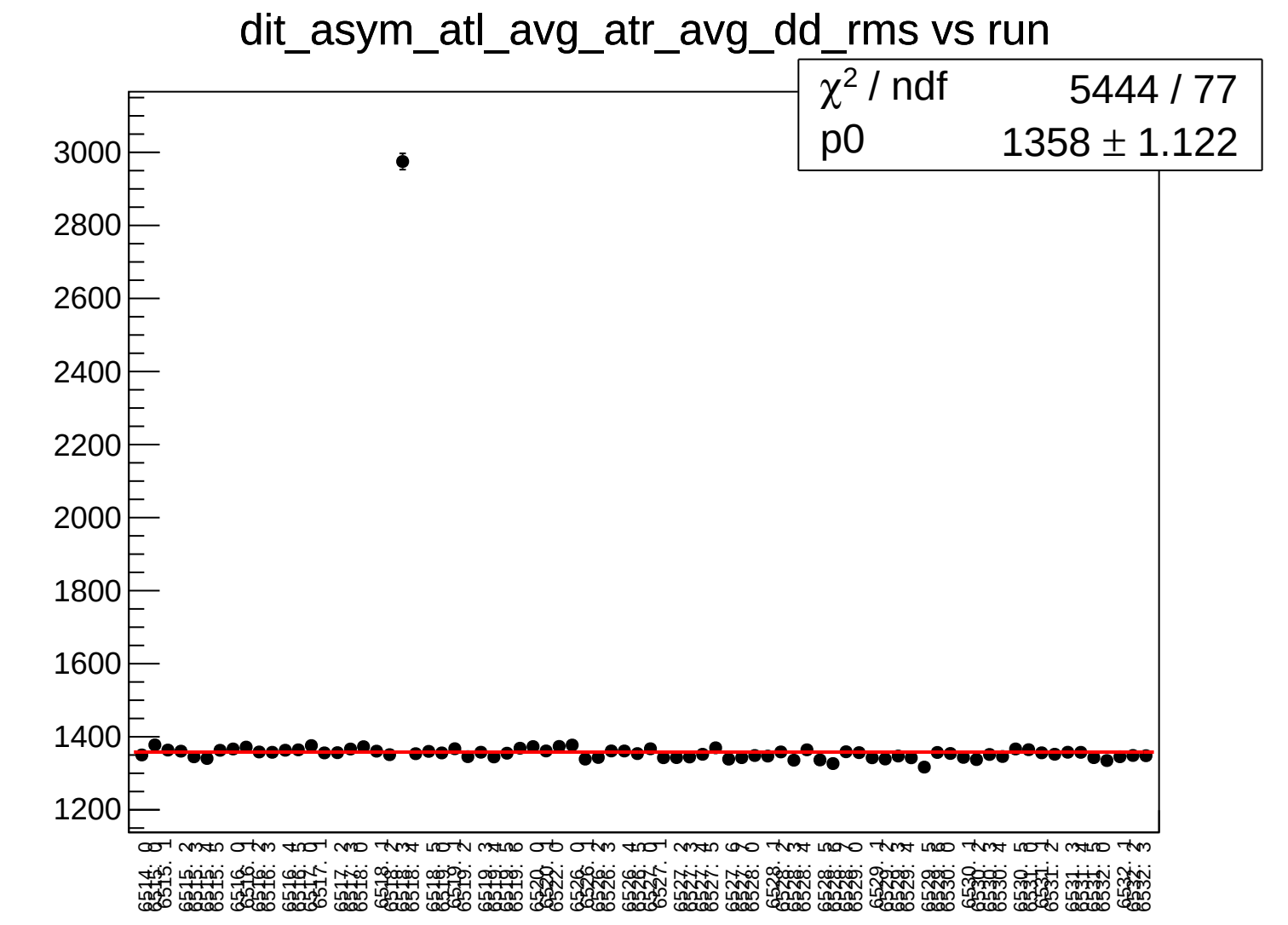

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 86.71 / 77
p0 −4086 ± 6480
200
100
0
−100
−200
pull
Entries 78
Mean −185.7
Std Dev 211.2
2
1
0
−1
−2

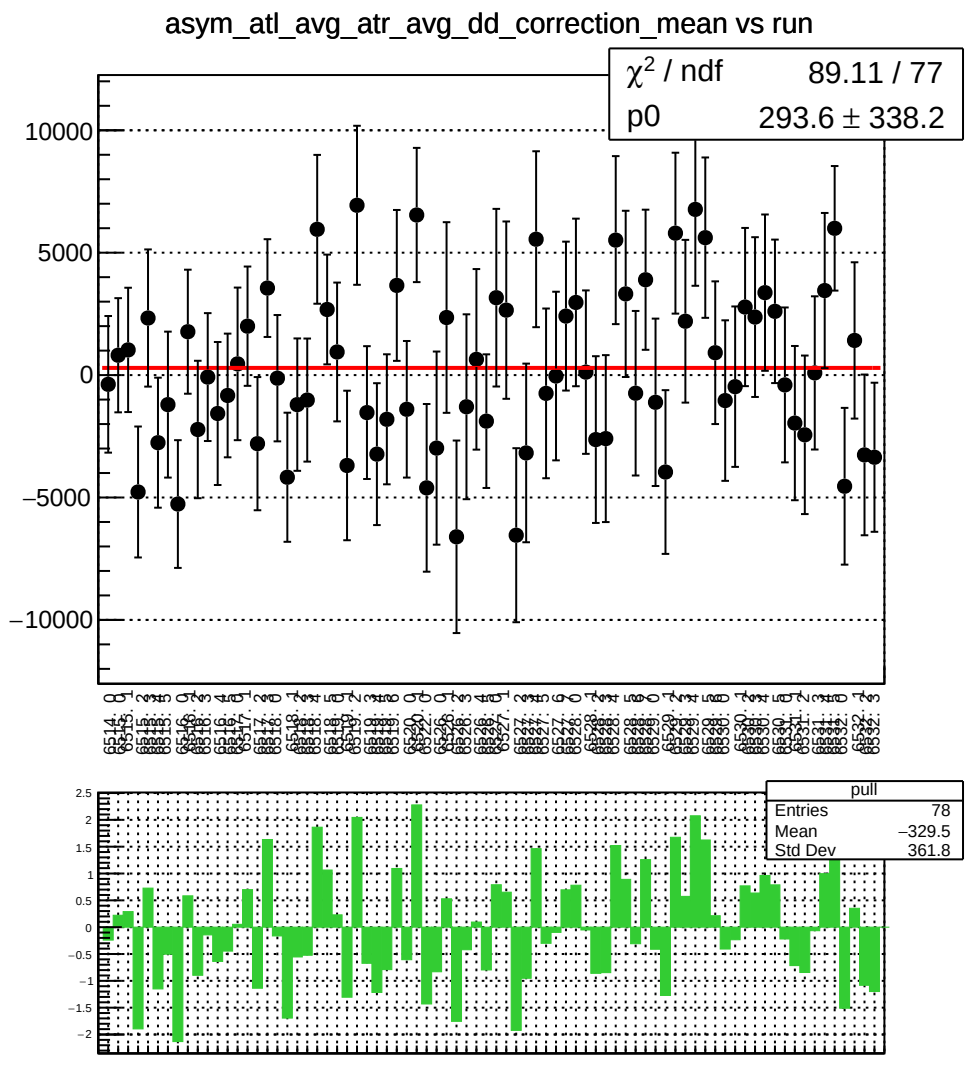

pull1D
Entries 78
Mean 0.009378
Std Dev 1.054
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

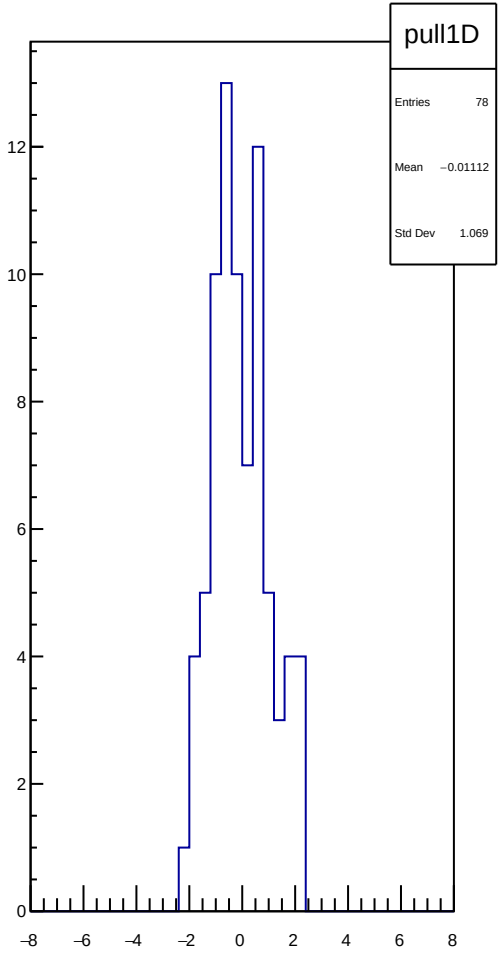

asym_atl_avg_atr_avg_avg_rms vs run
χ^2 / ndf 2.391e+04 / 77
p0 5513 ± 4.582
7500
7000
6500
6000
5500
5000
4500
4000

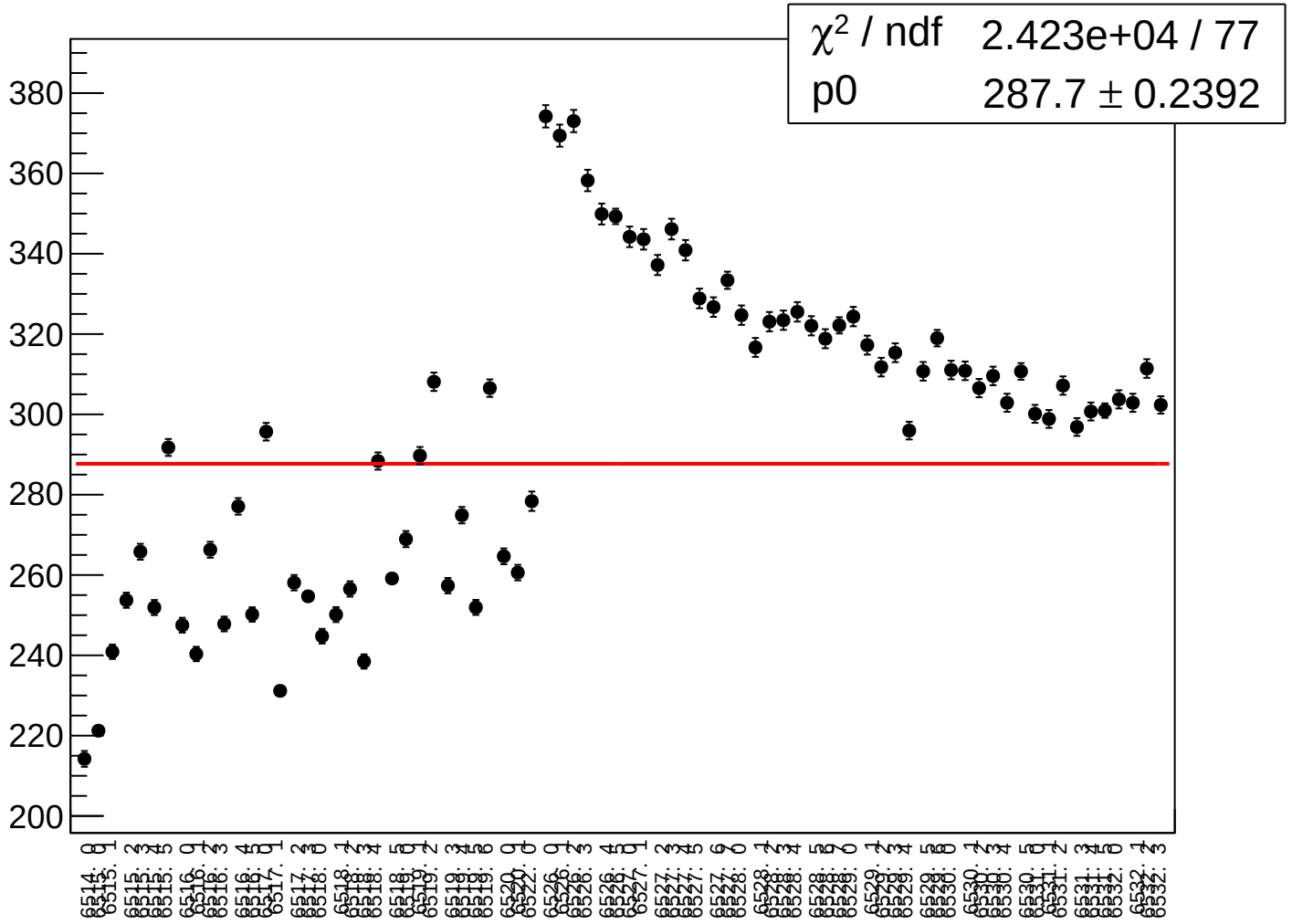

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 74.55 / 77
p0 553.8 ± 1586
40000
20000
0
−20000
−40000
−60000
pull
Entries 78
Mean −352.2
Std Dev 402.5
2
1
0
−1
−2

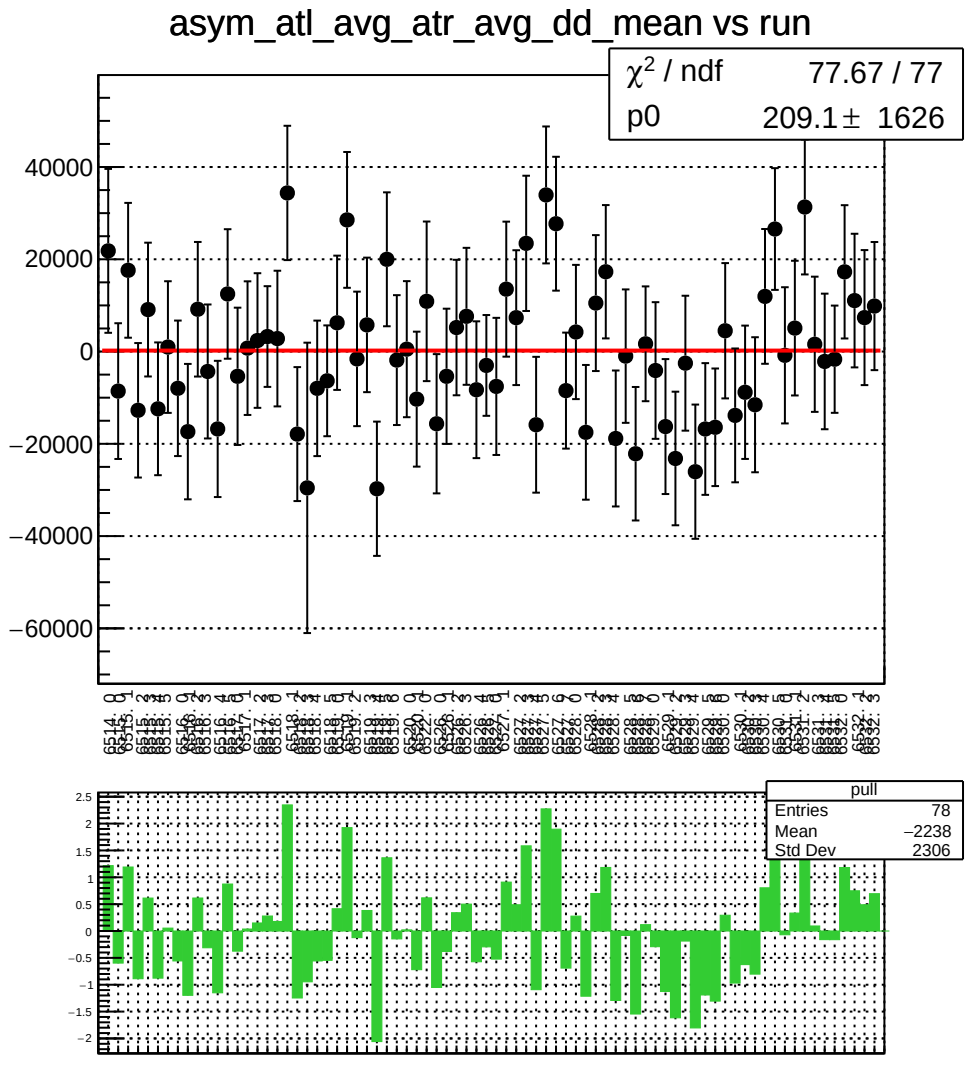

pull1D
Entries 78
Mean −0.004263
Std Dev 0.9776
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

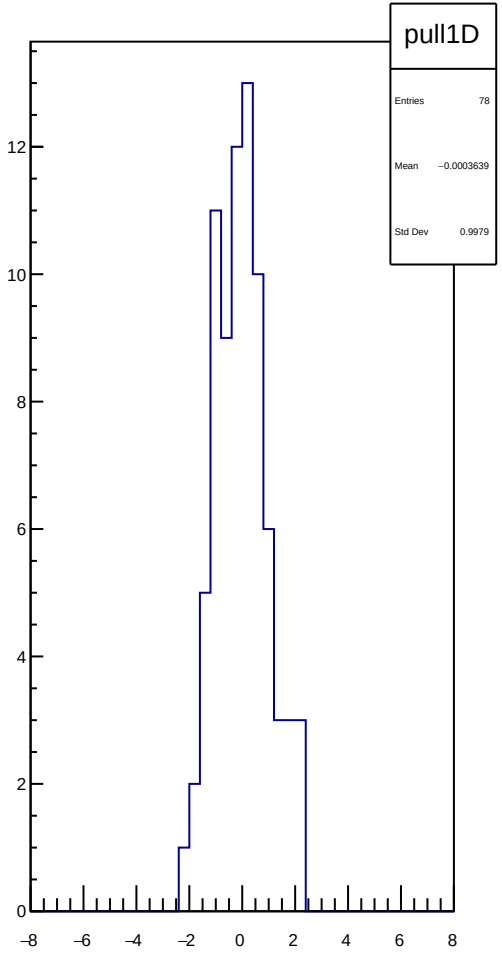

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 5444 / 77
p0 1358 ± 1.122
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

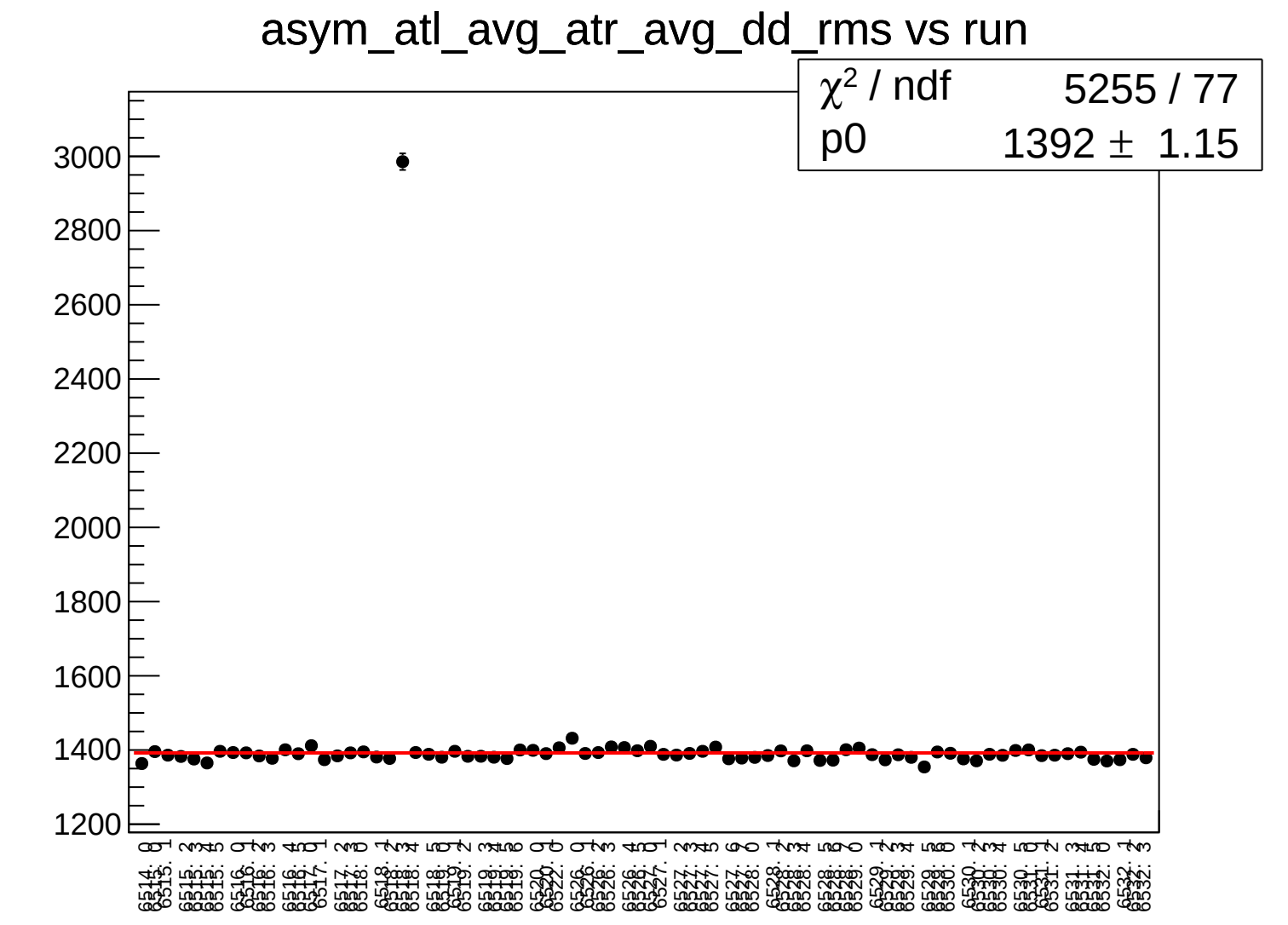

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 89.11 / 77
p0 293.6 ± 338.2
10000
5000
0
−5000
−10000
pull
Entries 78
Mean −329.5
Std Dev 361.8
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

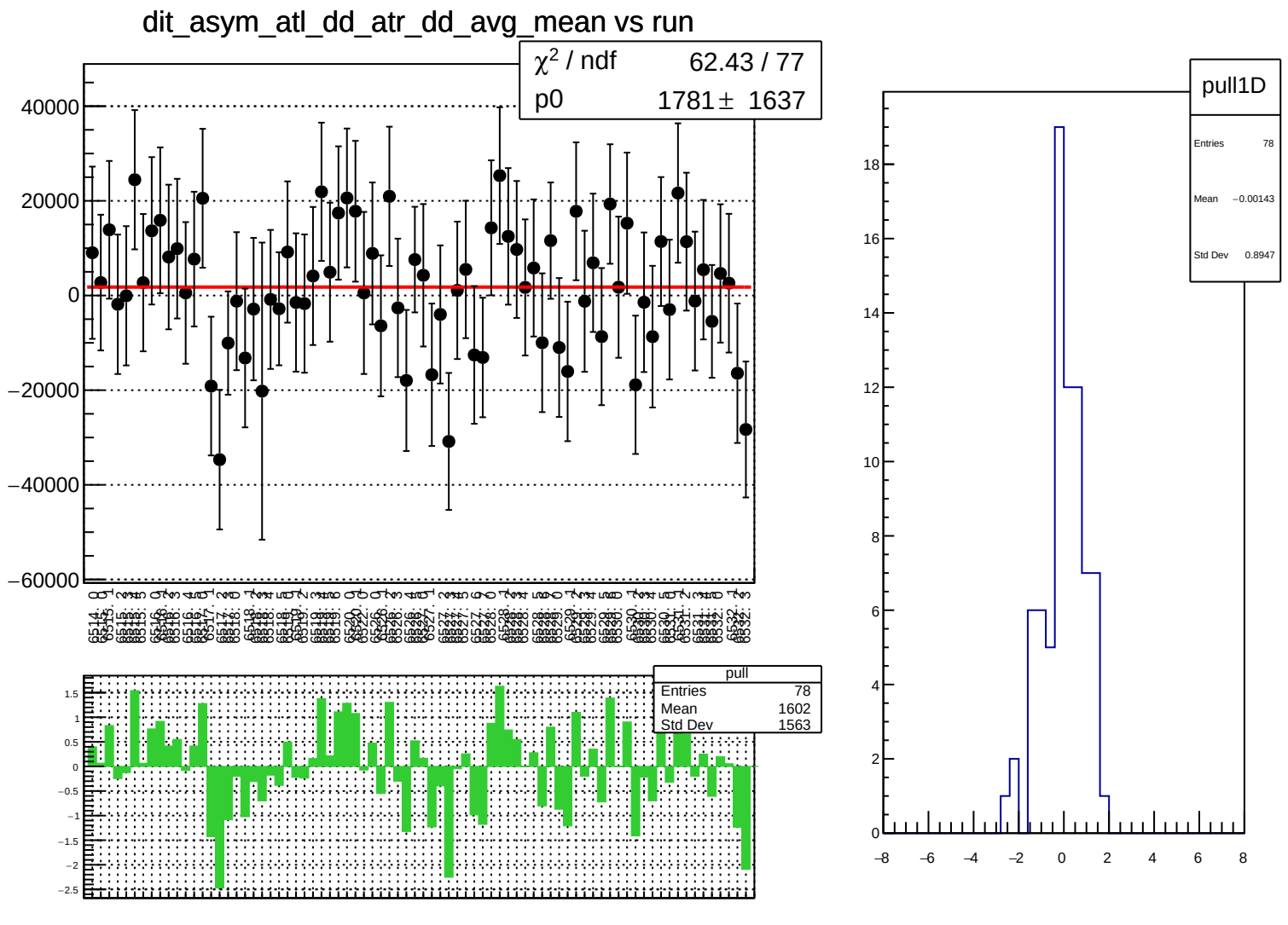

pull1D
Entries 78
Mean −0.01112
Std Dev 1.069
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

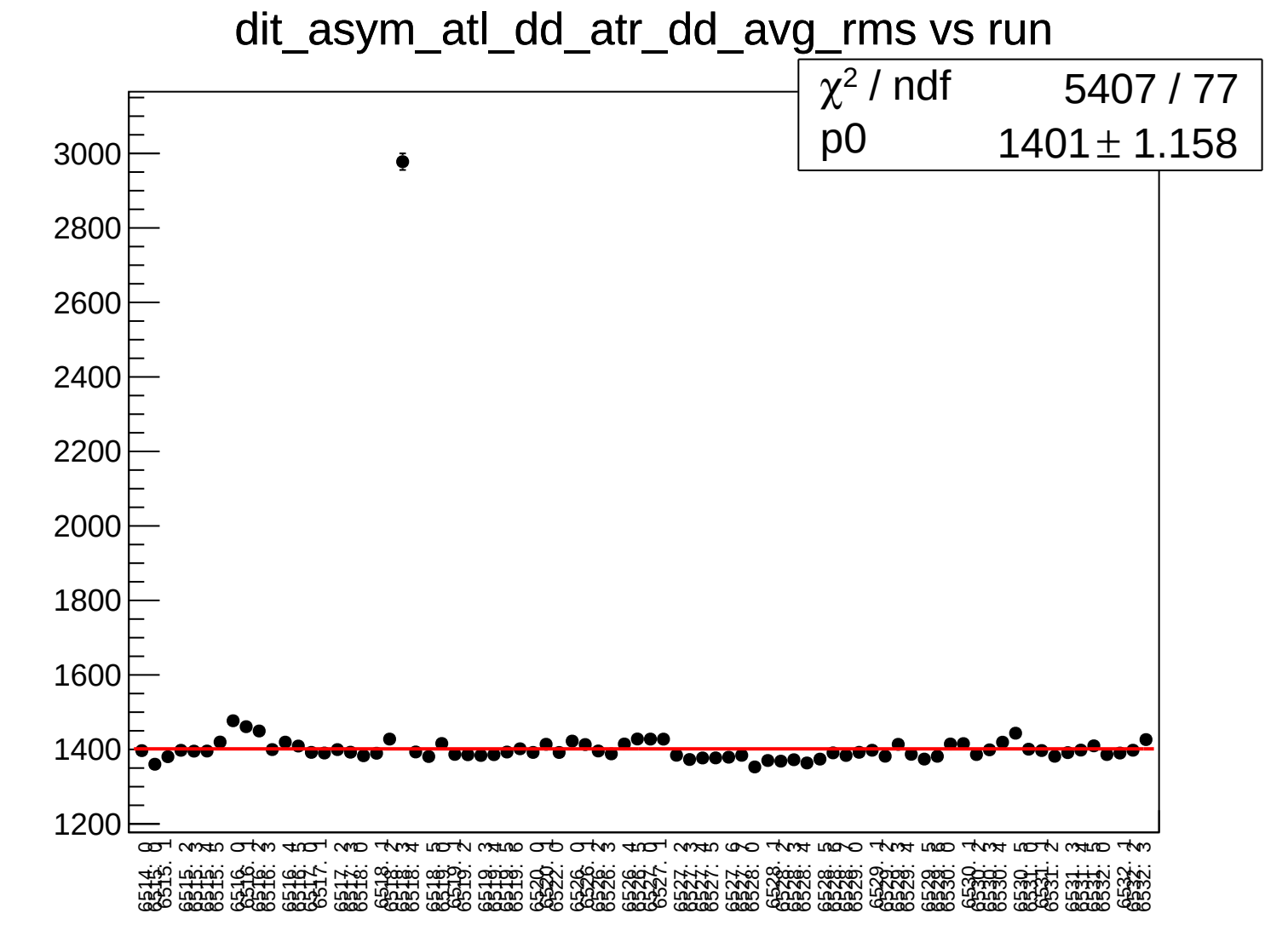

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 2.423e+04 / 77
p0 287.7 ± 0.2392
380
360
340
320
300
280
260
240
220
200

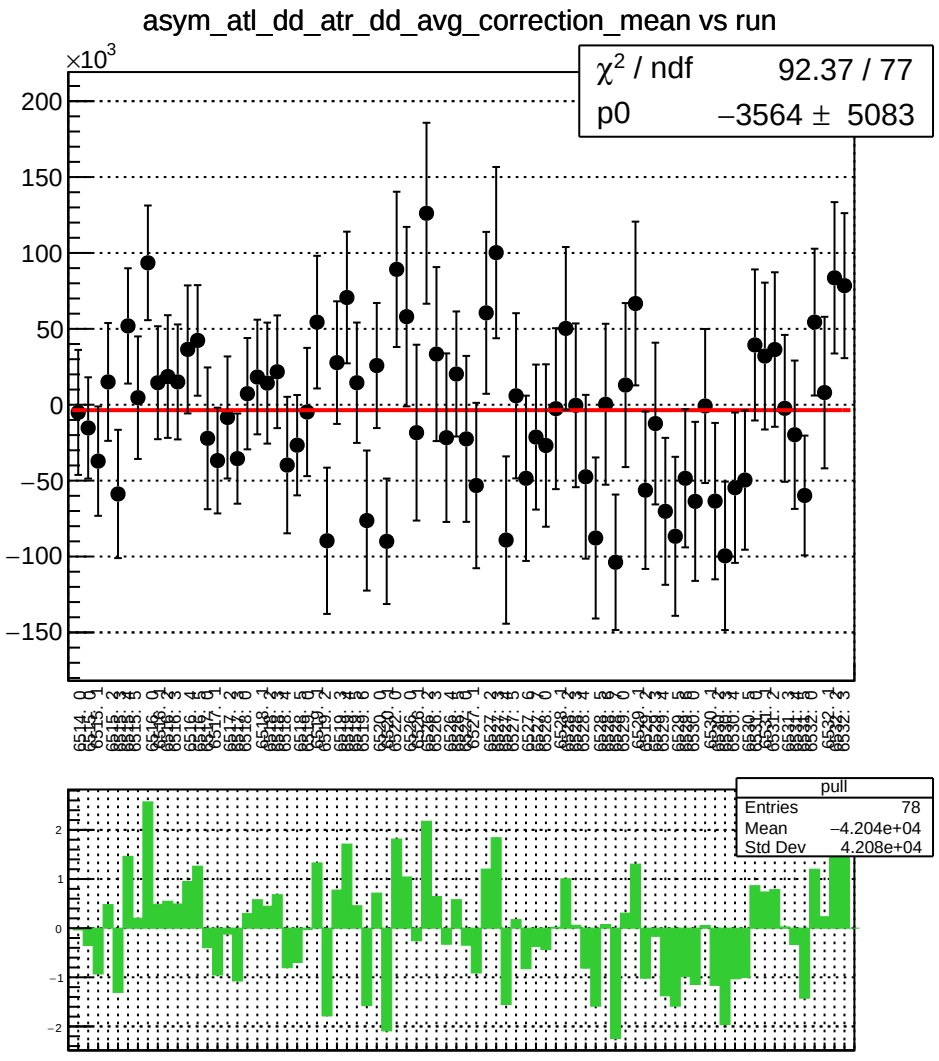

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 77.67 / 77
p0 209.1± 1626
40000
20000
0
−20000
−40000
−60000
pull
Entries 78
Mean −2238
Std Dev 2306
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

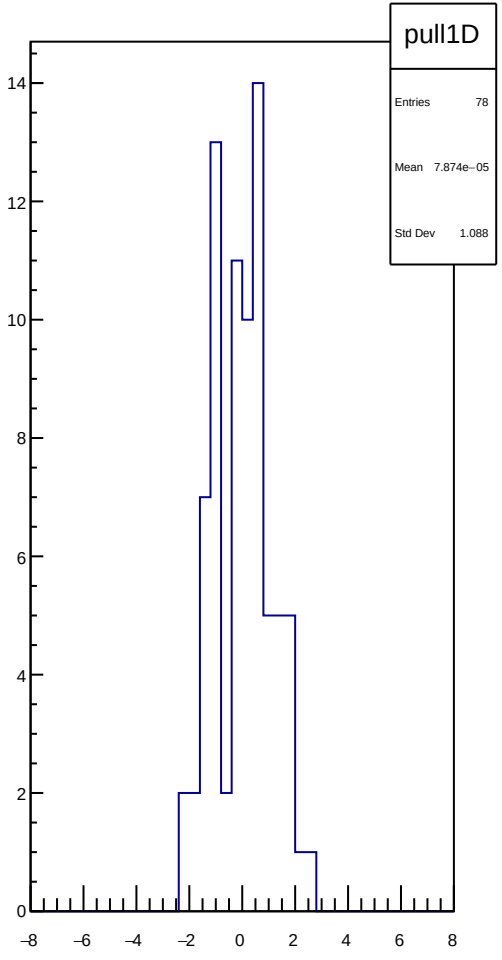

pull1D
Entries 78
Mean −0.0003639
Std Dev 0.9979
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

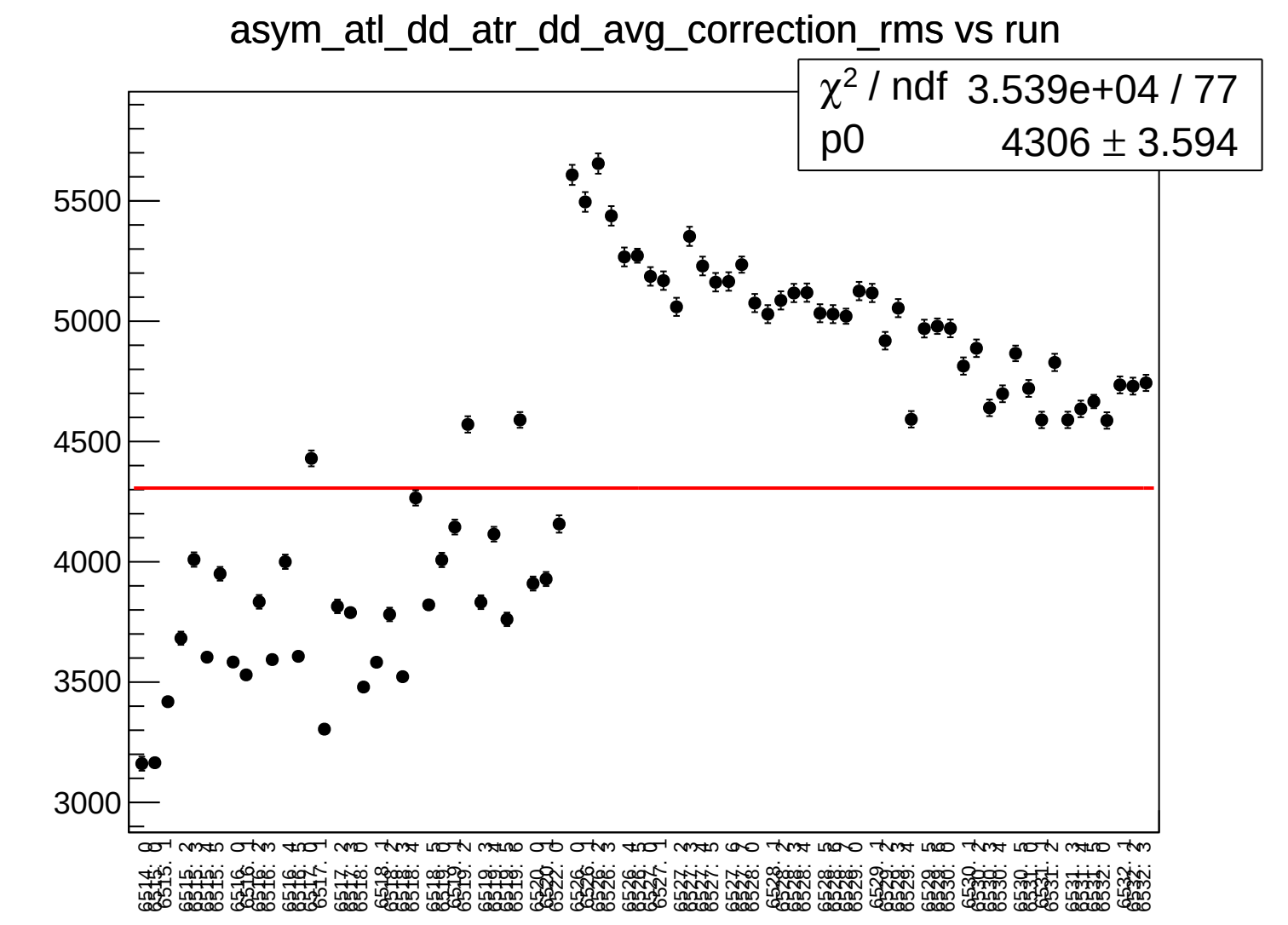

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 5255 / 77
p0 1392 ± 1.15
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

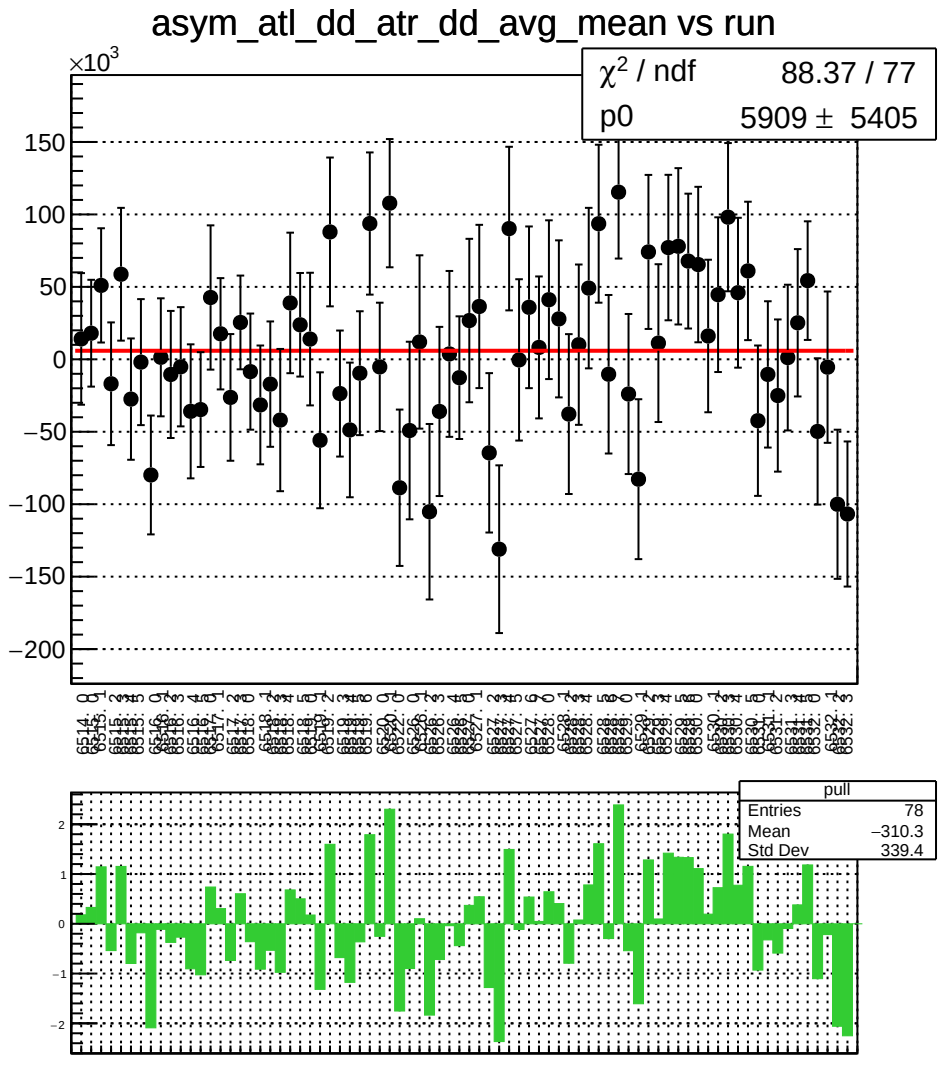

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 62.43 / 77
p0 1781 ± 1637
pull
Entries 78
Mean 1602
Std Dev 1563
pull1D
Entries 78
Mean −0.00143
Std Dev 0.8947

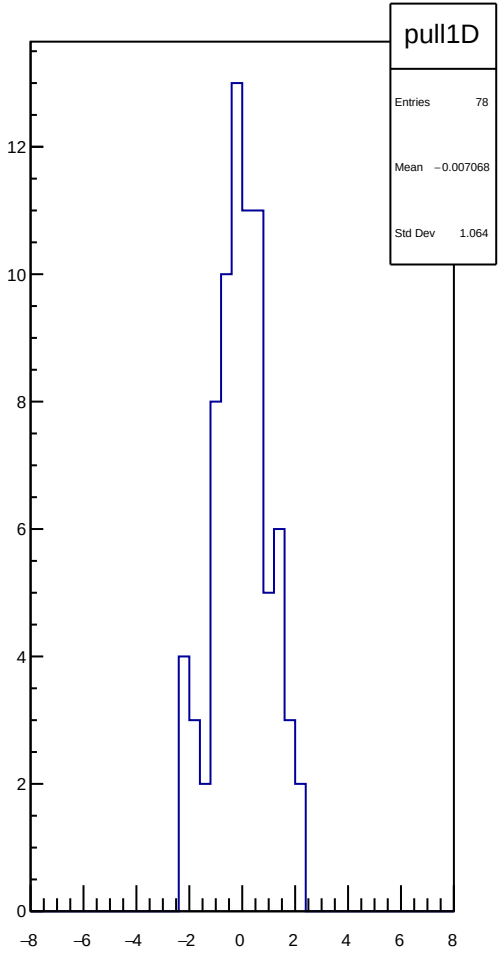

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 5407 / 77
p0 1401 ± 1.158
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

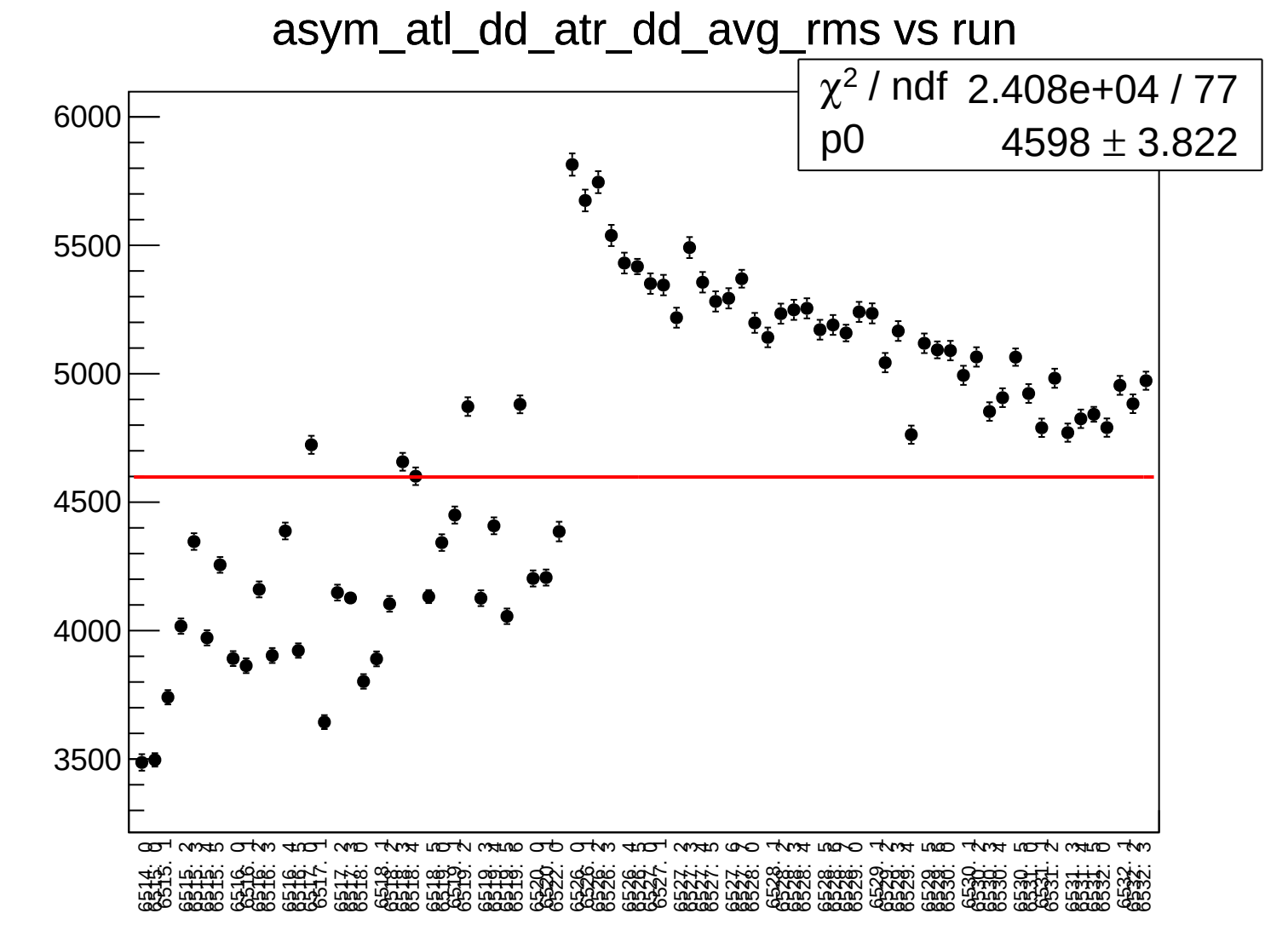

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 92.37 / 77
p0 −3564 ± 5083
pull
Entries 78
Mean −4.204e+04
Std Dev 4.208e+04

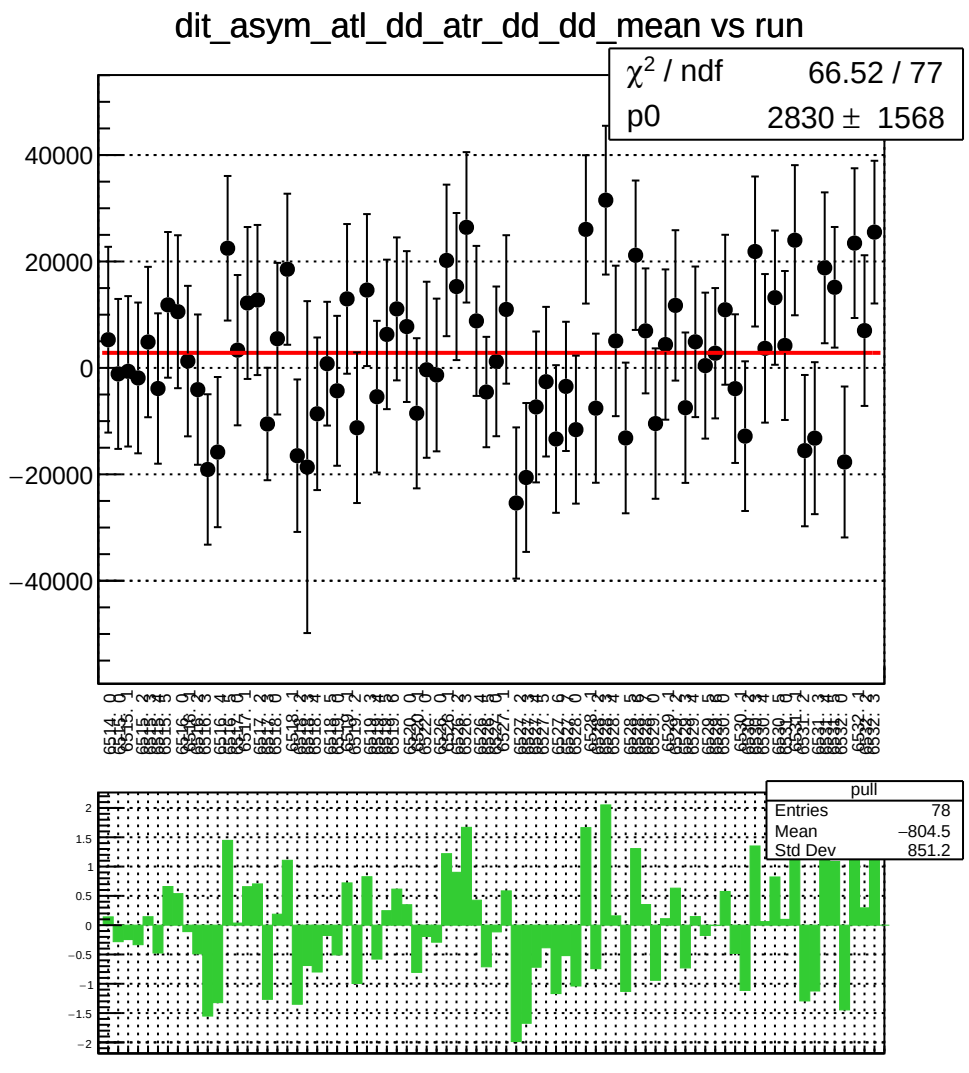

pull1D
Entries 78
Mean 7.874e−05
Std Dev 1.088

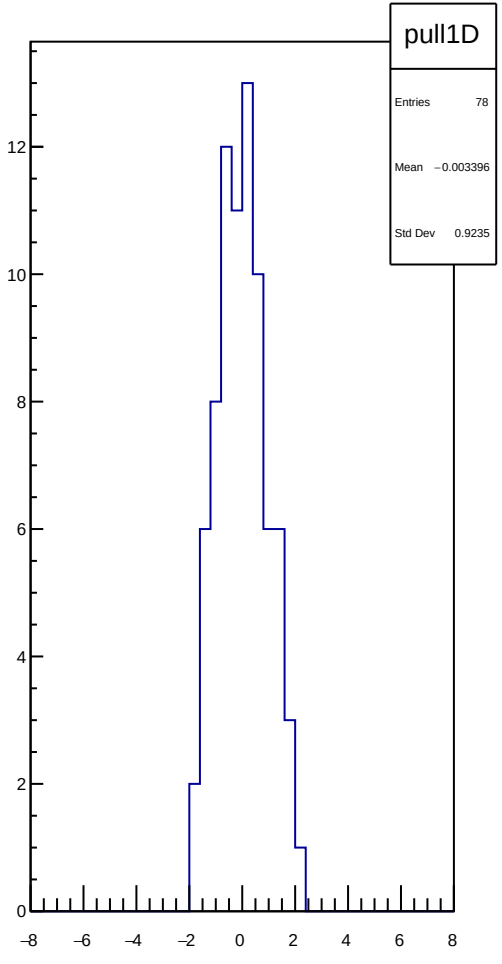

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 3.539e+04 / 77
p0 4306 ± 3.594
5500
5000
4500
4000
3500
3000

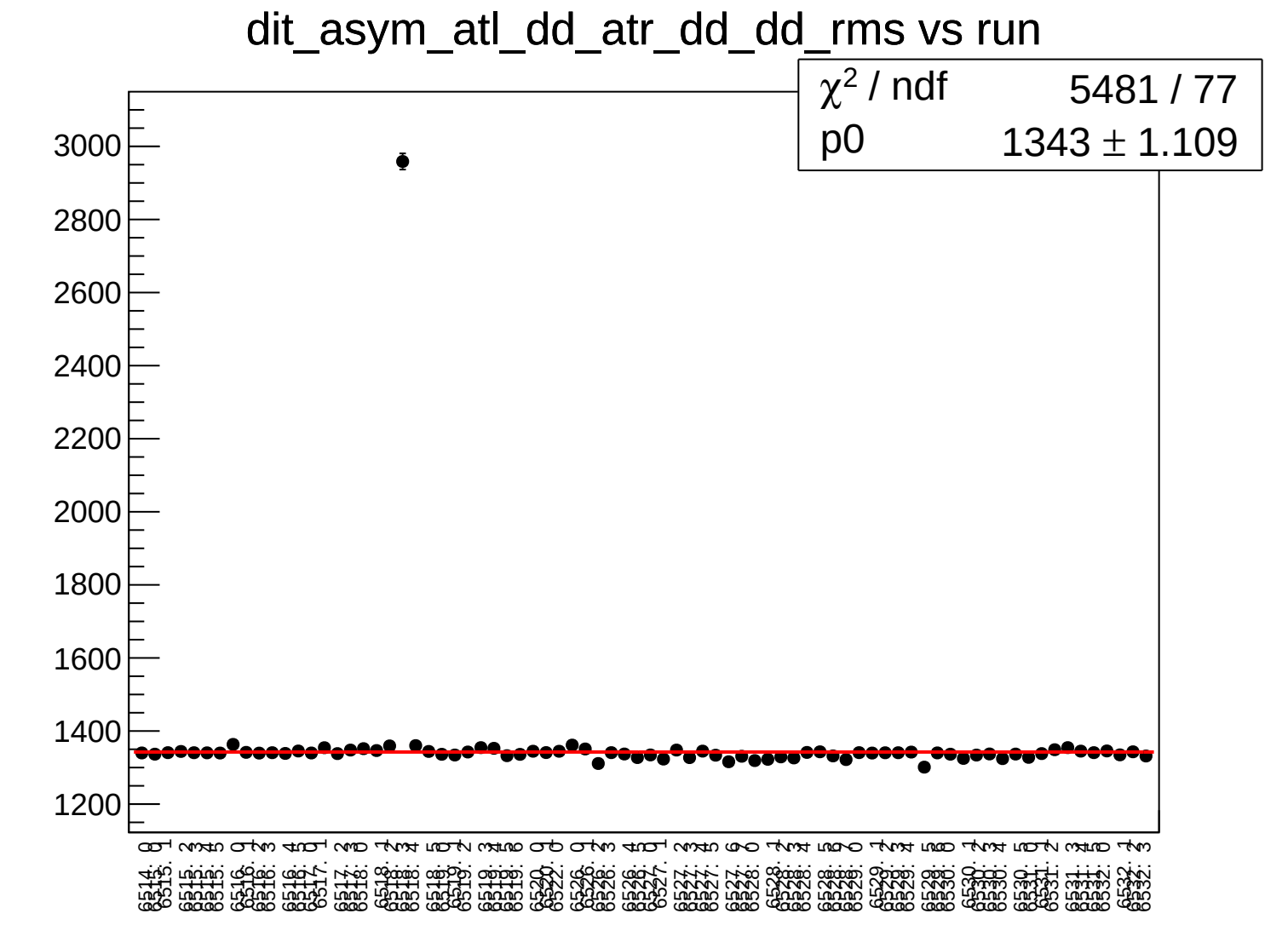

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 88.37 / 77
p0 5909 ± 5405
150
100
50
0
−50
−100
−150
−200
pull
Entries 78
Mean −310.3
Std Dev 339.4
2
1
0
−1
−2

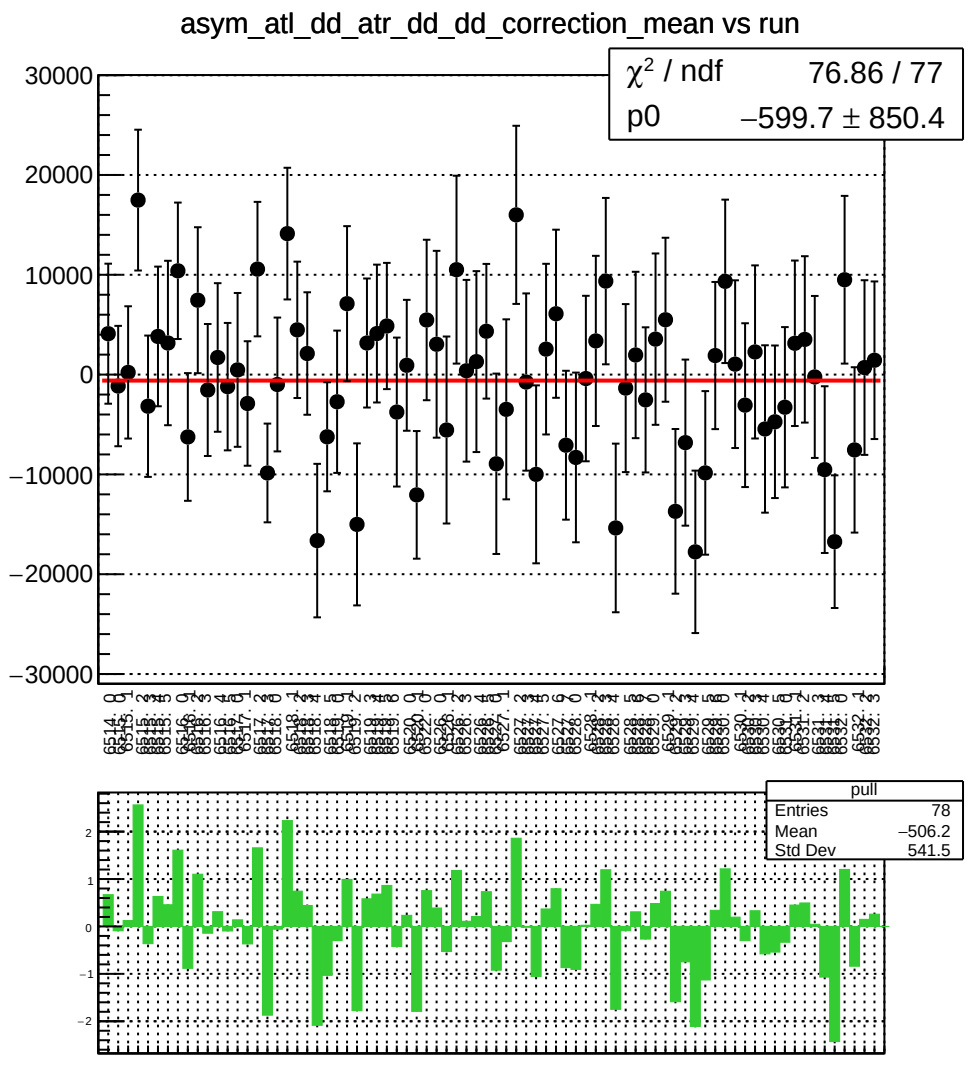

pull1D
Entries 78
Mean −0.007068
Std Dev 1.064
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

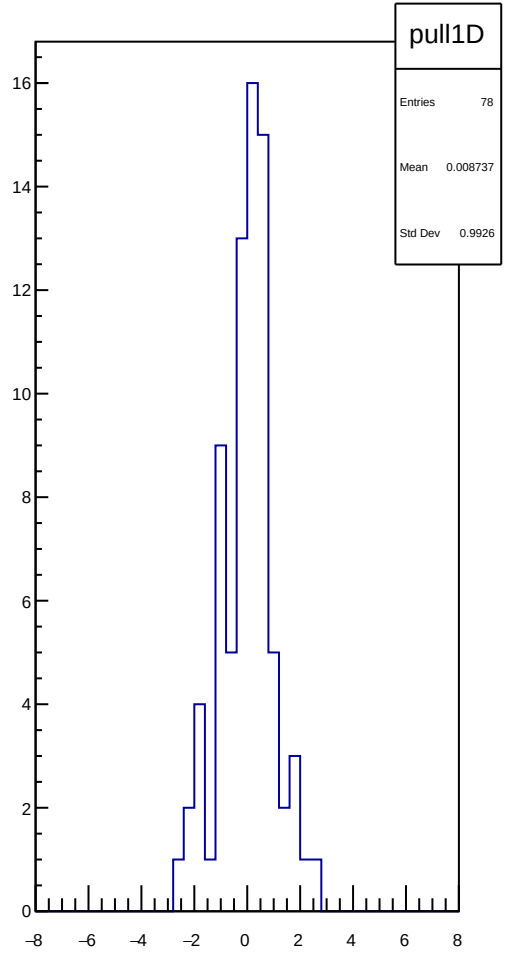

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 2.408e+04 / 77
p0 4598 ± 3.822
6000
5500
5000
4500
4000
3500

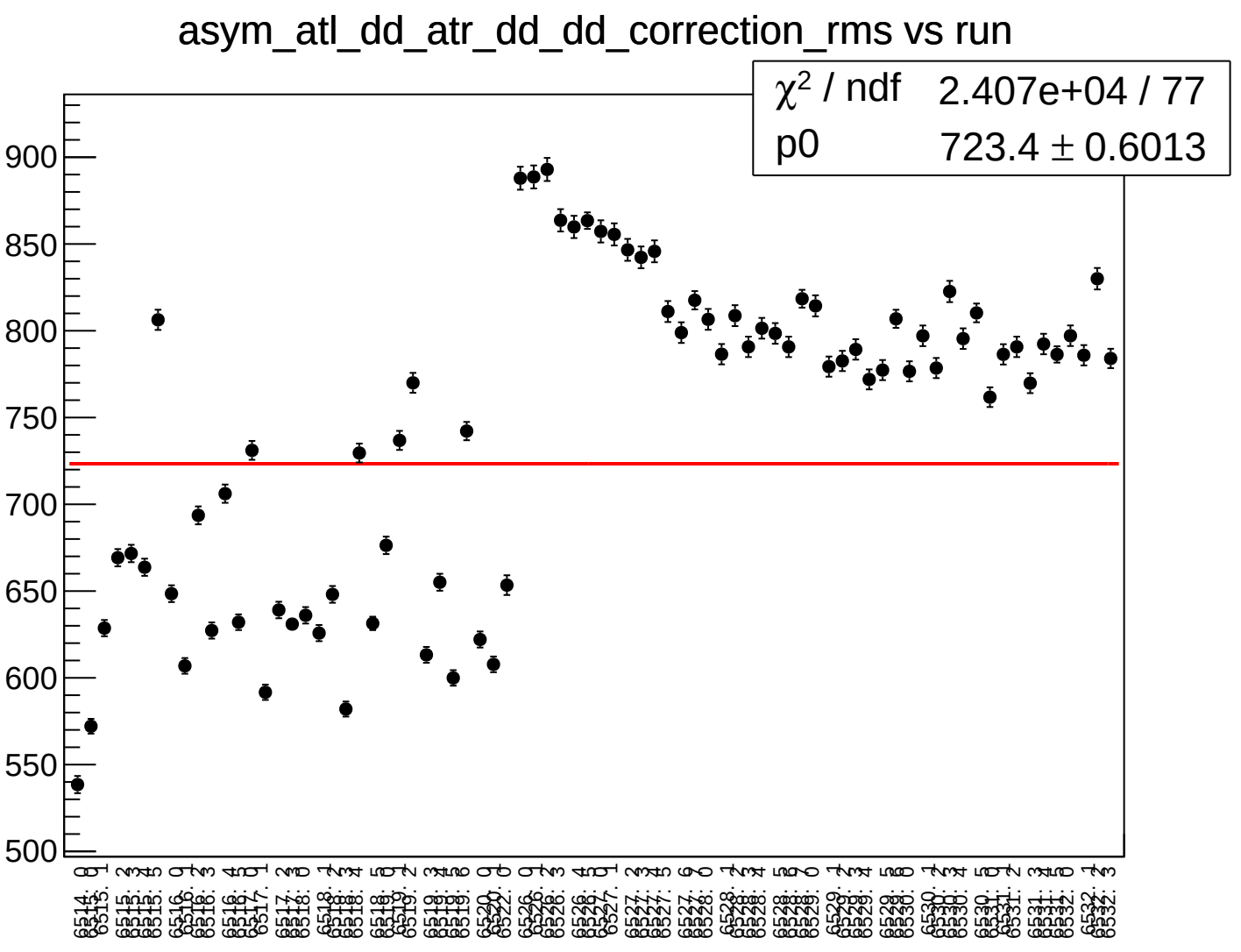

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 66.52 / 77
p0 2830 ± 1568
40000
20000
0
−20000
−40000
pull
Entries 78
Mean −804.5
Std Dev 851.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

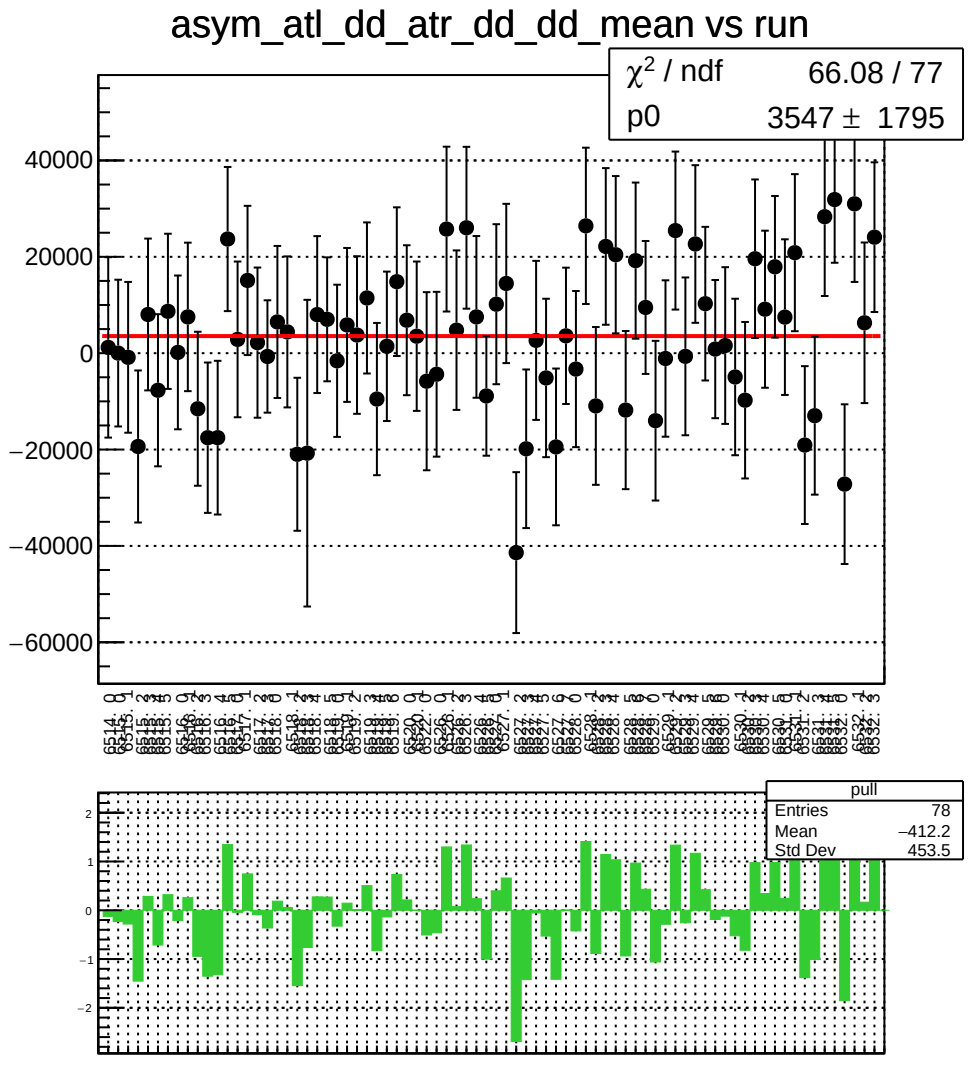

pull1D
Entries 78
Mean −0.003396
Std Dev 0.9235
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

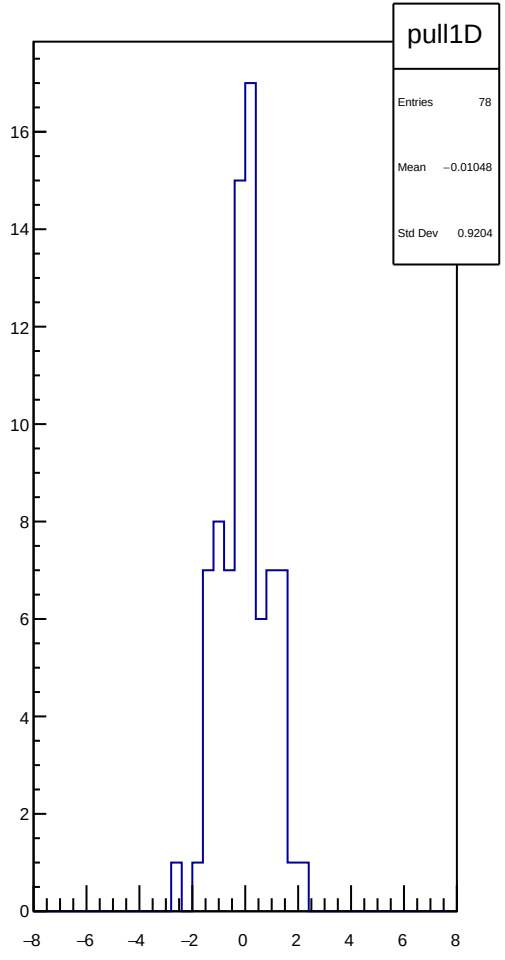

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 5481 / 77
p0 1343 ± 1.109
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

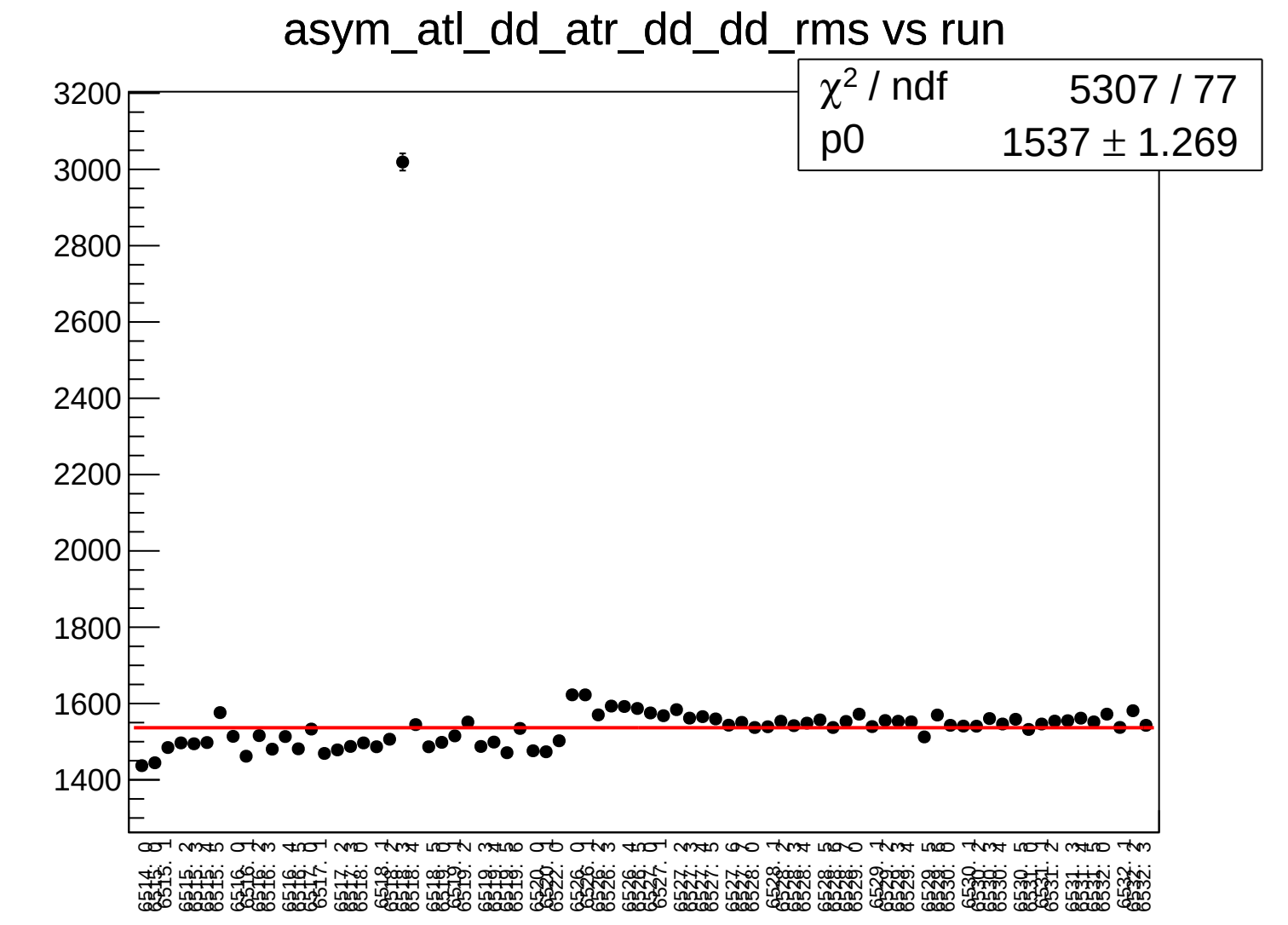

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 76.86 / 77
p0 −599.7 ± 850.4
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 78
Mean −506.2
Std Dev 541.5
2
1
0
−1
−2

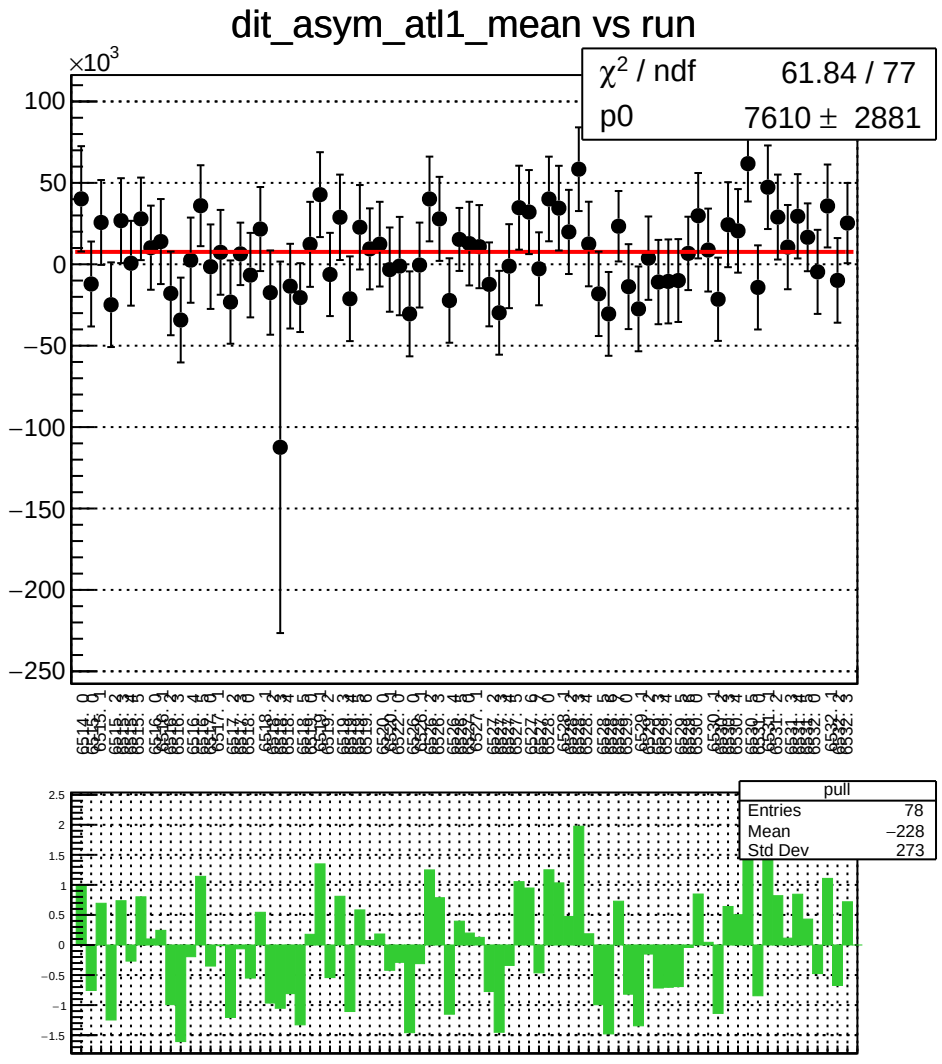

pull1D
Entries 78
Mean 0.008737
Std Dev 0.9926
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

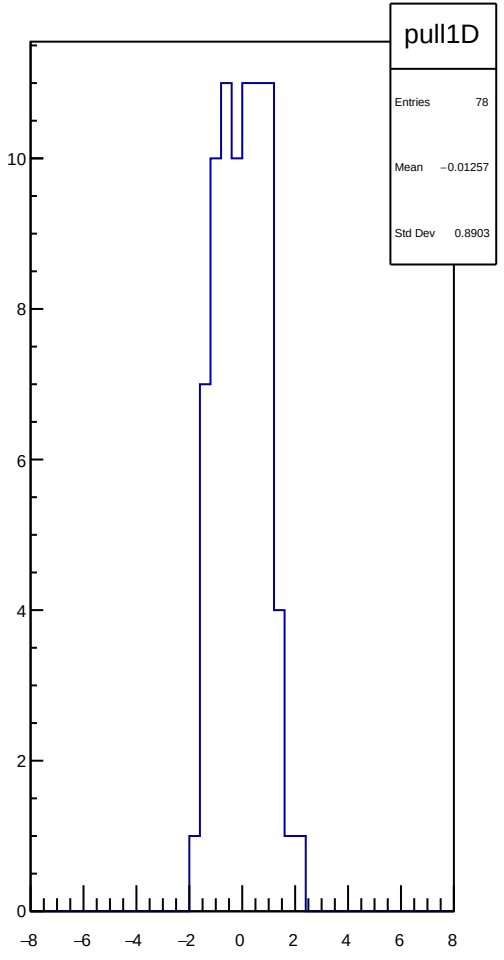

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 2.407e+04 / 77
p0 723.4 ± 0.6013
900
850
800
750
700
650
600
550
500

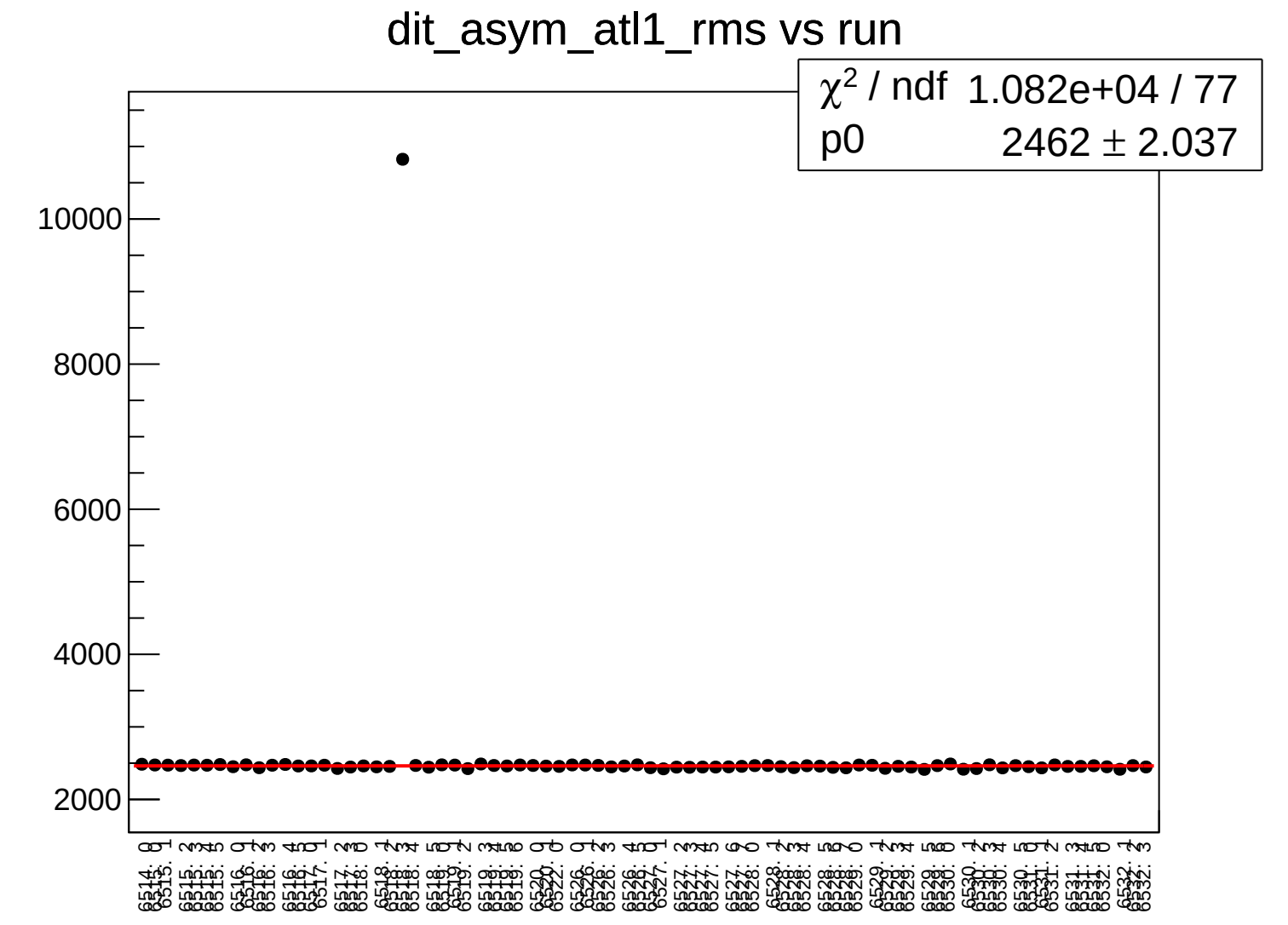

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 66.08 / 77
p0 3547 ± 1795
40000
20000
0
−20000
−40000
−60000
pull
Entries 78
Mean −412.2
Std Dev 453.5
2
1
0
−1
−2

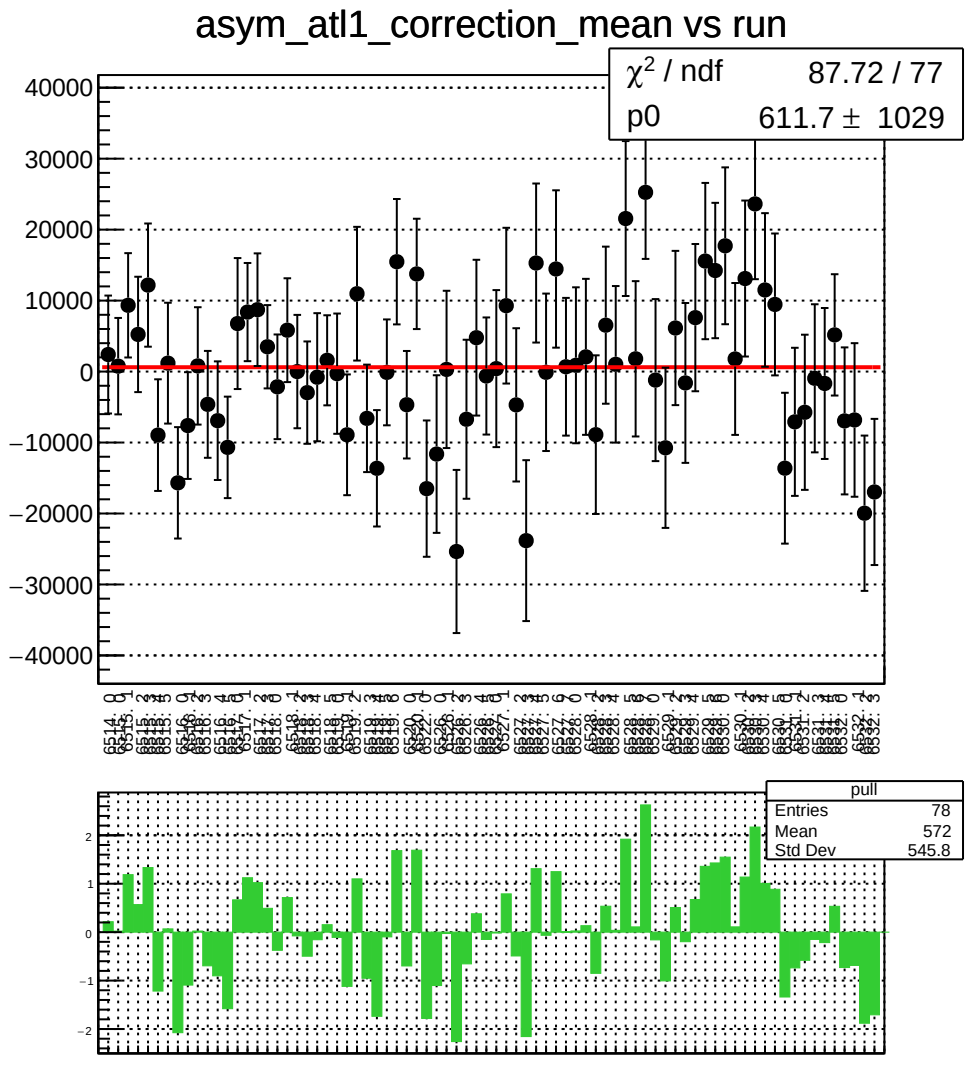

pull1D
Entries 78
Mean −0.01048
Std Dev 0.9204
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

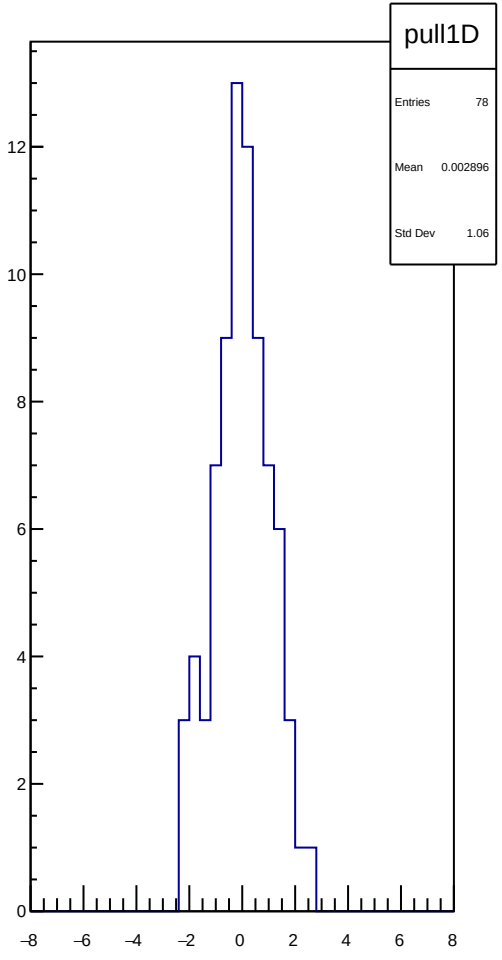

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 5307 / 77
p0 1537 ± 1.269
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400

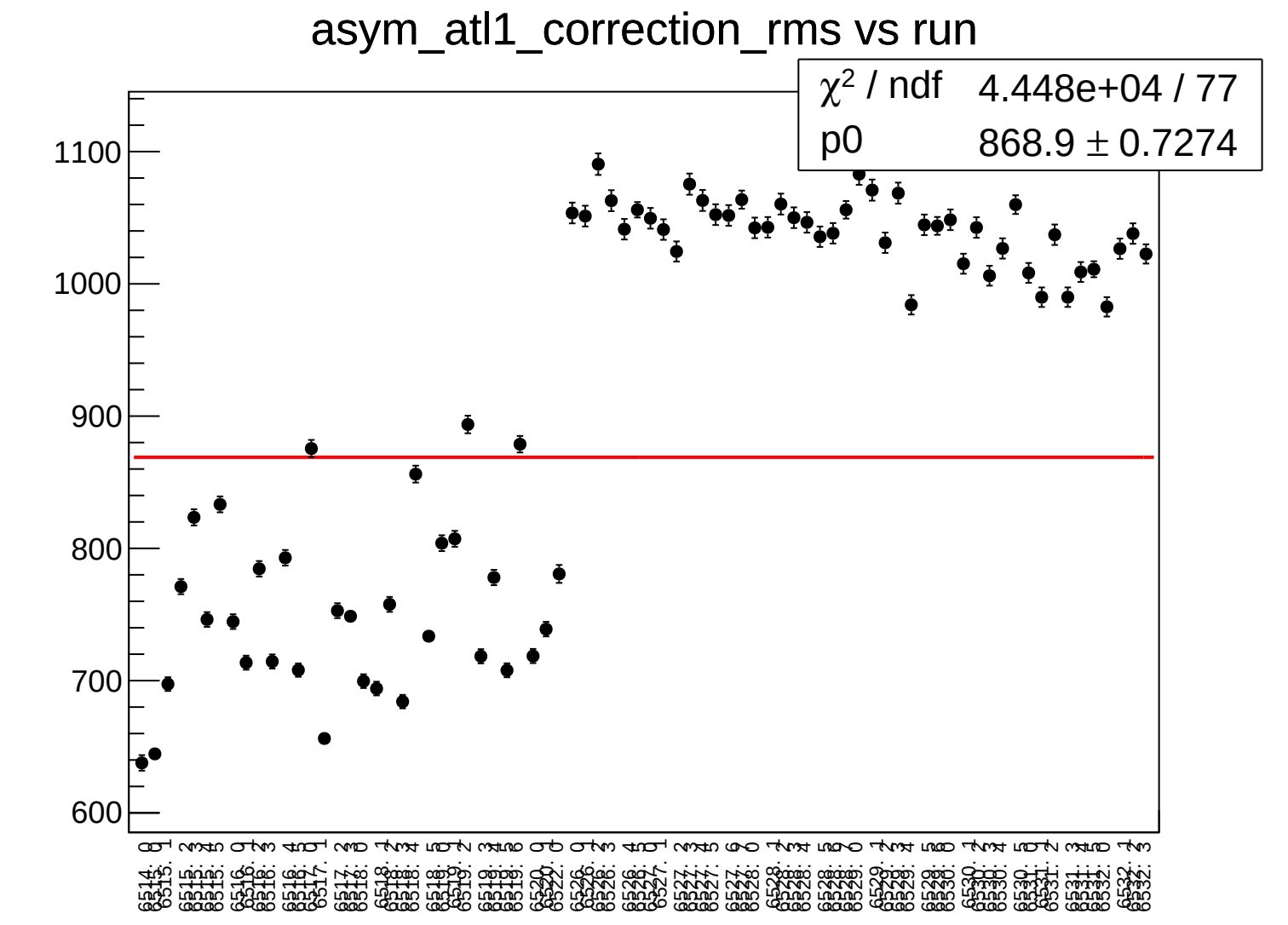

dit_asym_atl1_mean vs run
×10^3
χ^2 / ndf 61.84 / 77
p0 7610 ± 2881
pull
Entries 78
Mean −228
Std Dev 273

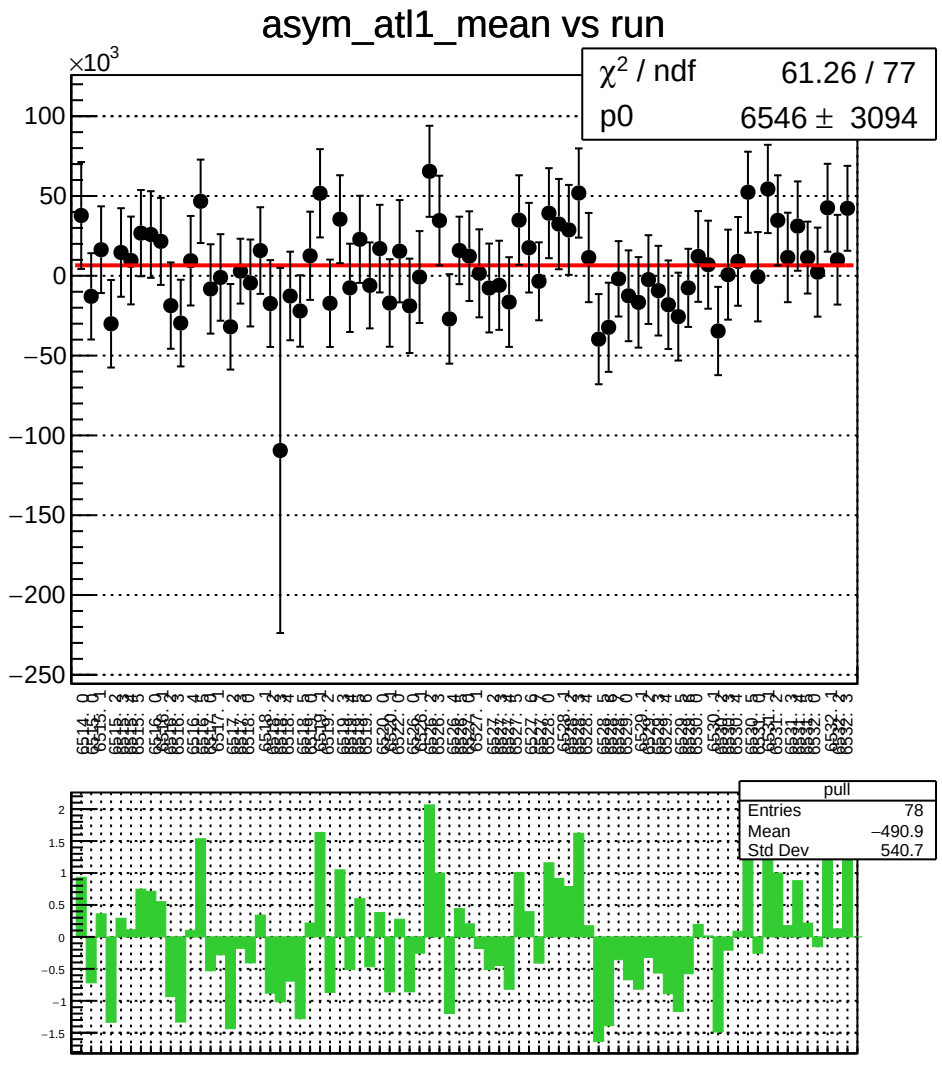

pull1D
Entries 78
Mean −0.01257
Std Dev 0.8903

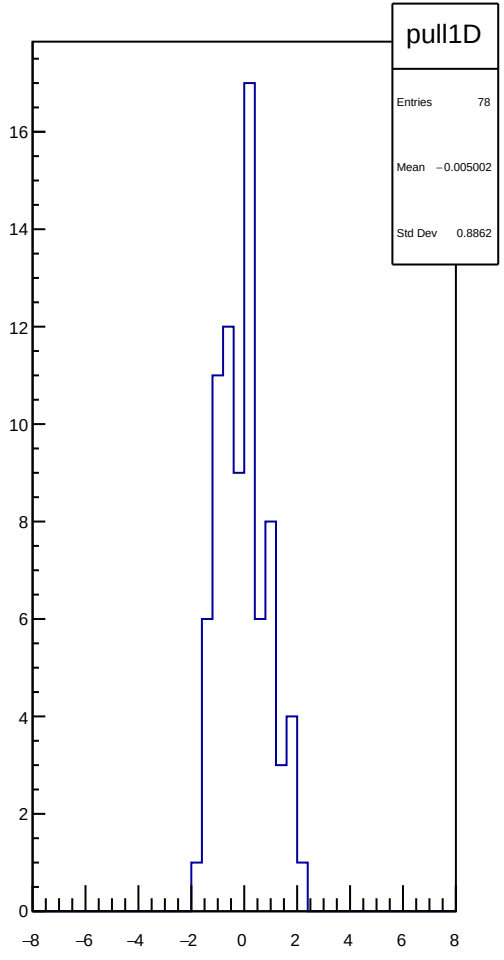

dit_asym_atl1_rms vs run
χ² / ndf 1.082e+04 / 77
p0 2462 ± 2.037
10000
8000
6000
4000
2000

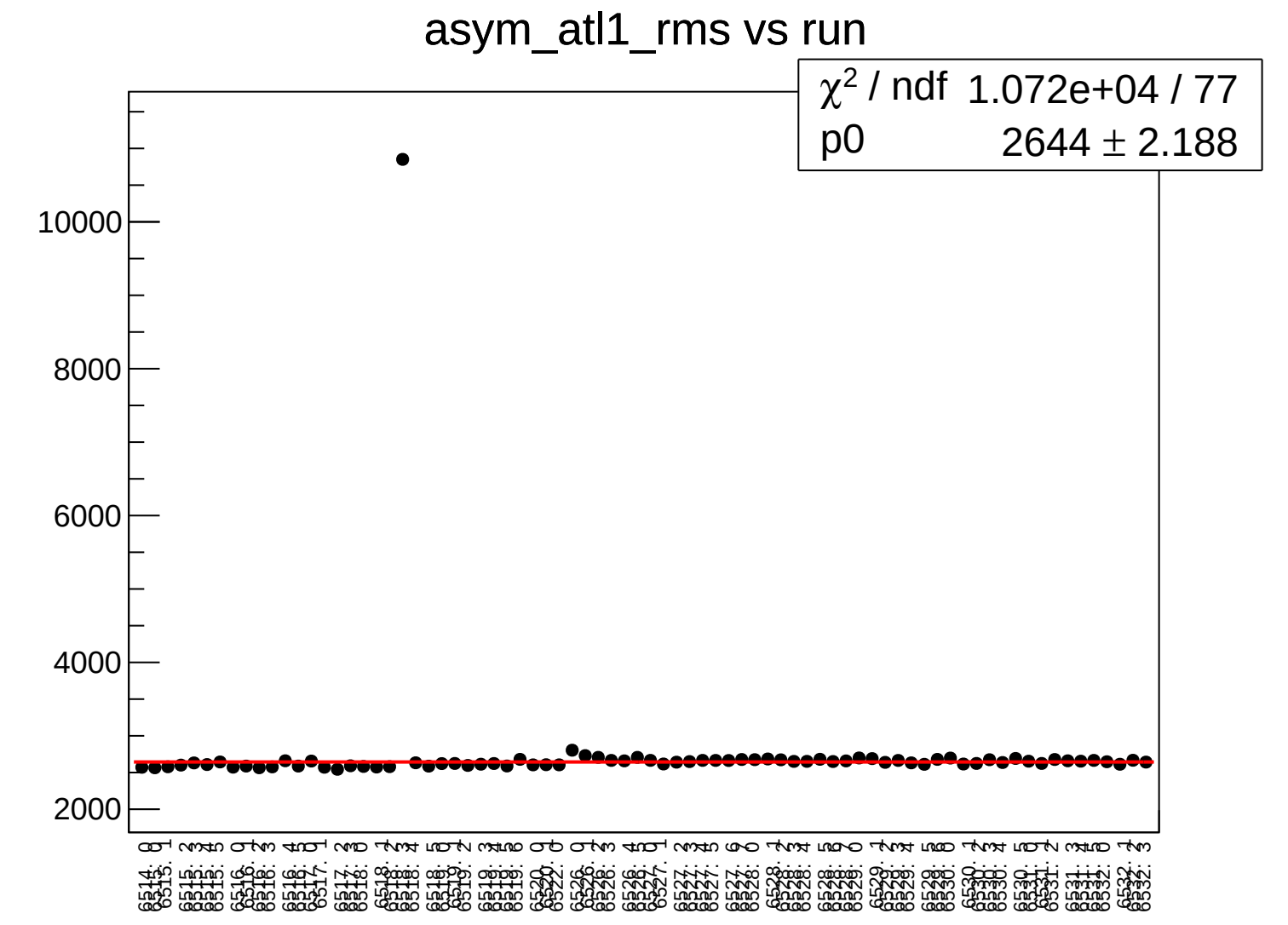

asym_atl1_correction_mean vs run
χ² / ndf 87.72 / 77
p0 611.7 ± 1029
pull
Entries 78
Mean 572
Std Dev 545.8

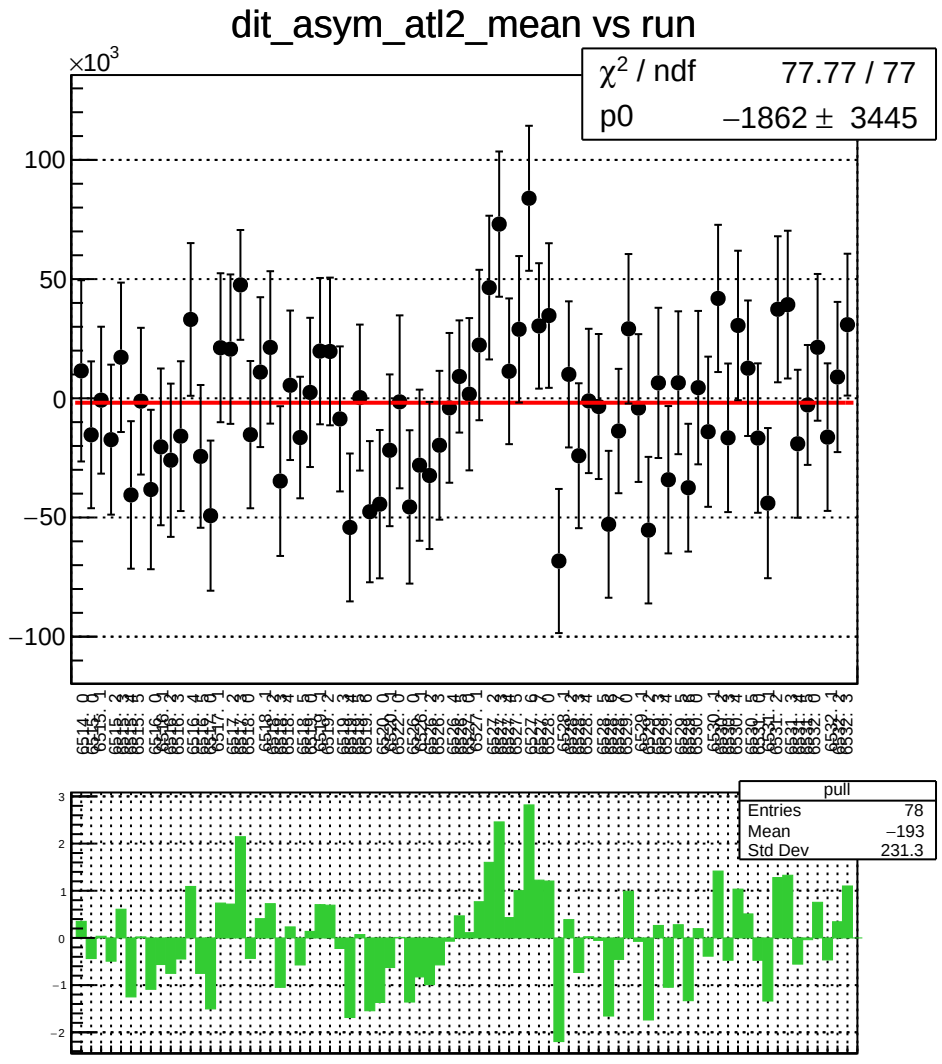

pull1D
Entries 78
Mean 0.002896
Std Dev 1.06

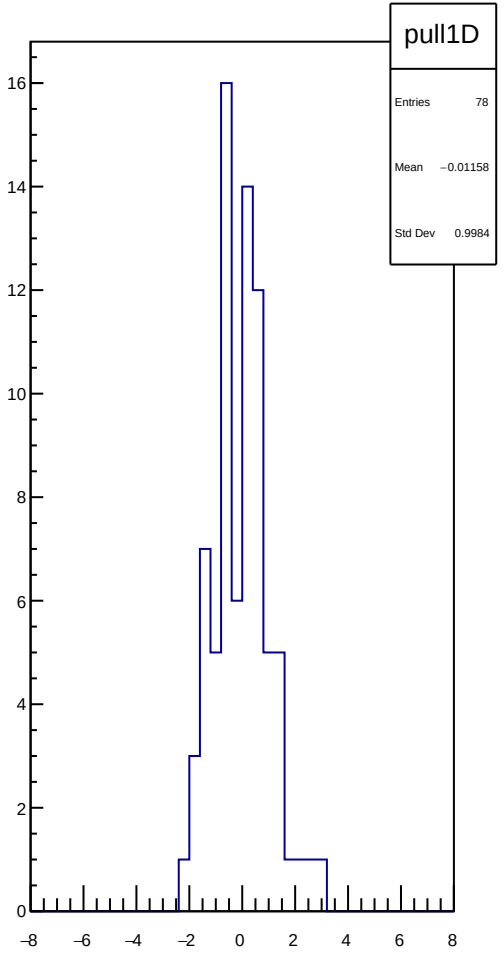

asym_atl1_correction_rms vs run
χ² / ndf 4.448e+04 / 77
p0 868.9 ± 0.7274
1100
1000
900
800
700
600

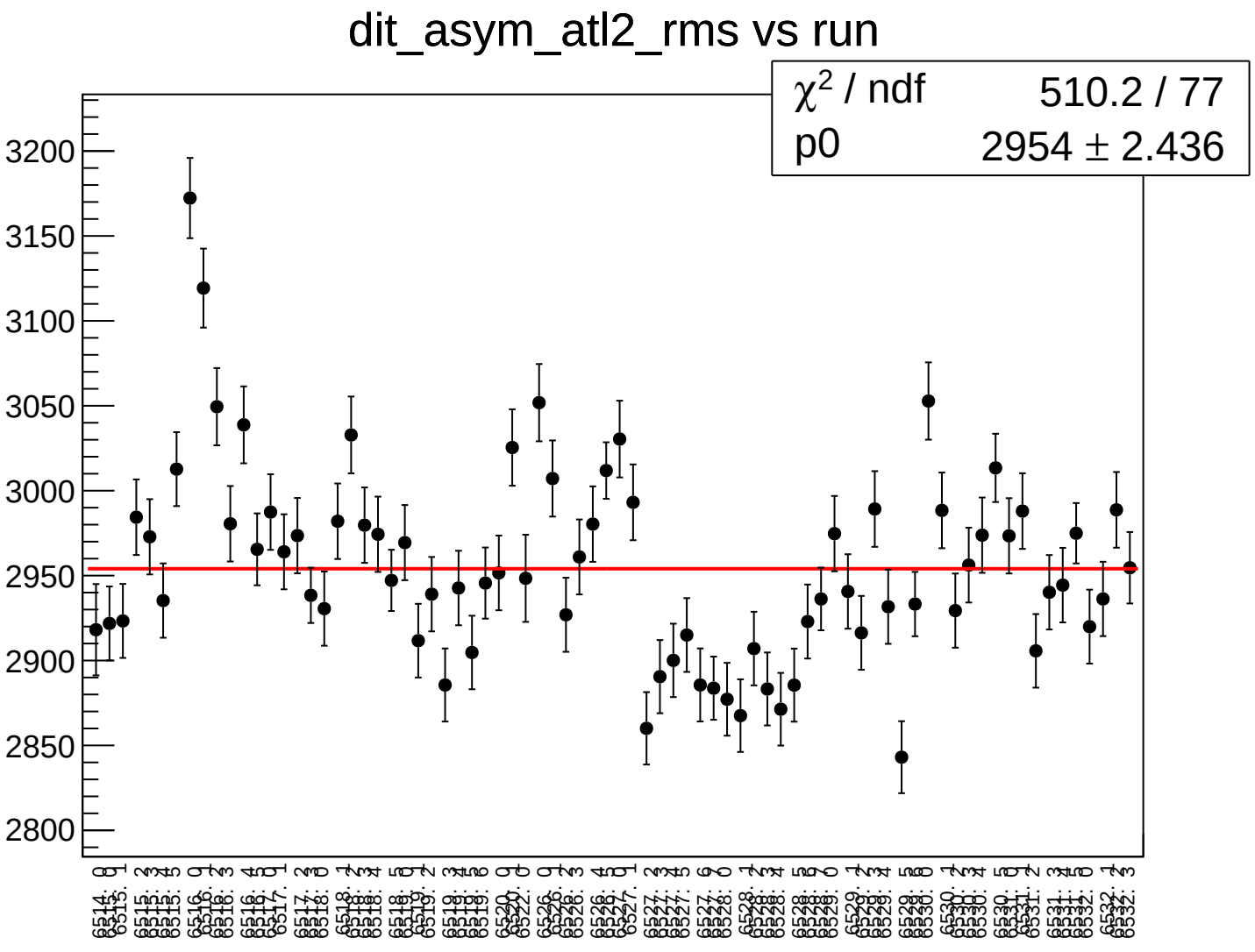

asym_atl1_mean vs run
χ² / ndf 61.26 / 77
p0 6546 ± 3094
pull
Entries 78
Mean −490.9
Std Dev 540.7

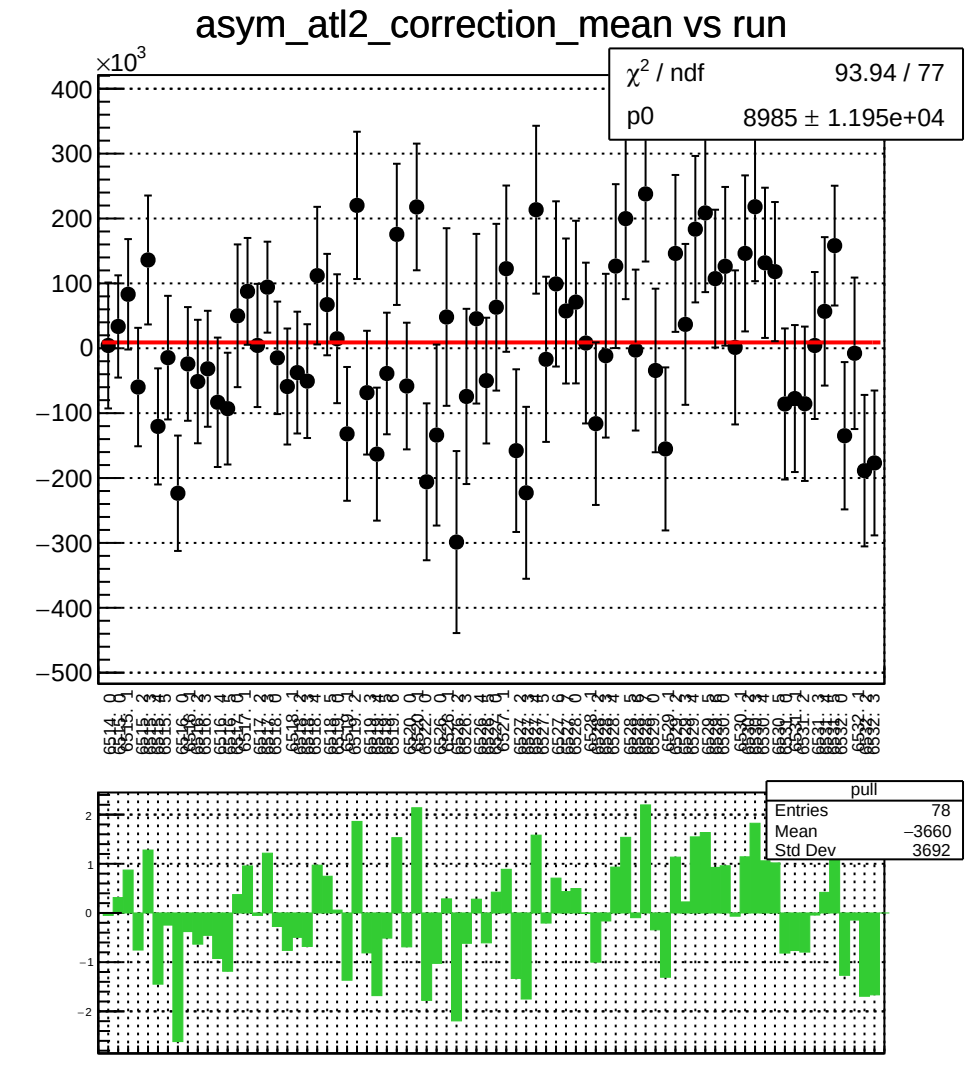

pull1D
Entries 78
Mean −0.005002
Std Dev 0.8862

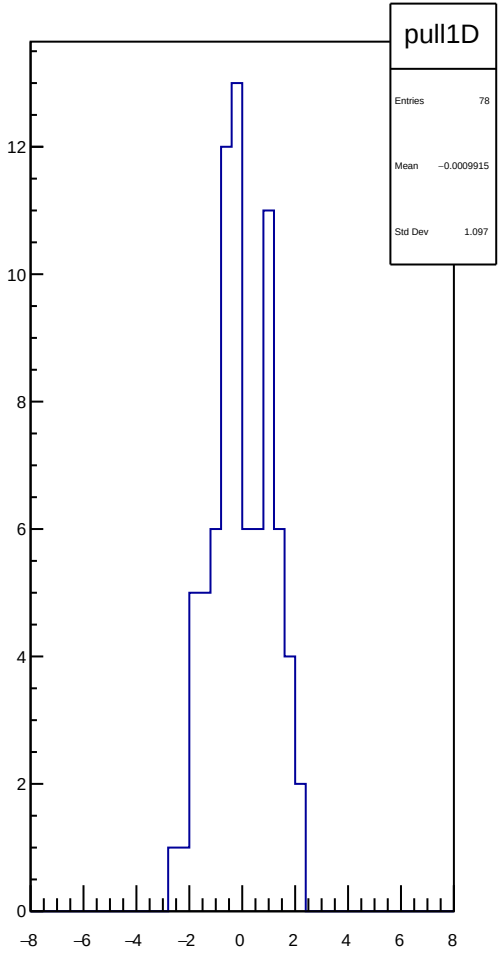

asym_atl1_rms vs run
χ² / ndf 1.072e+04 / 77
p0 2644 ± 2.188
10000
8000
6000
4000
2000

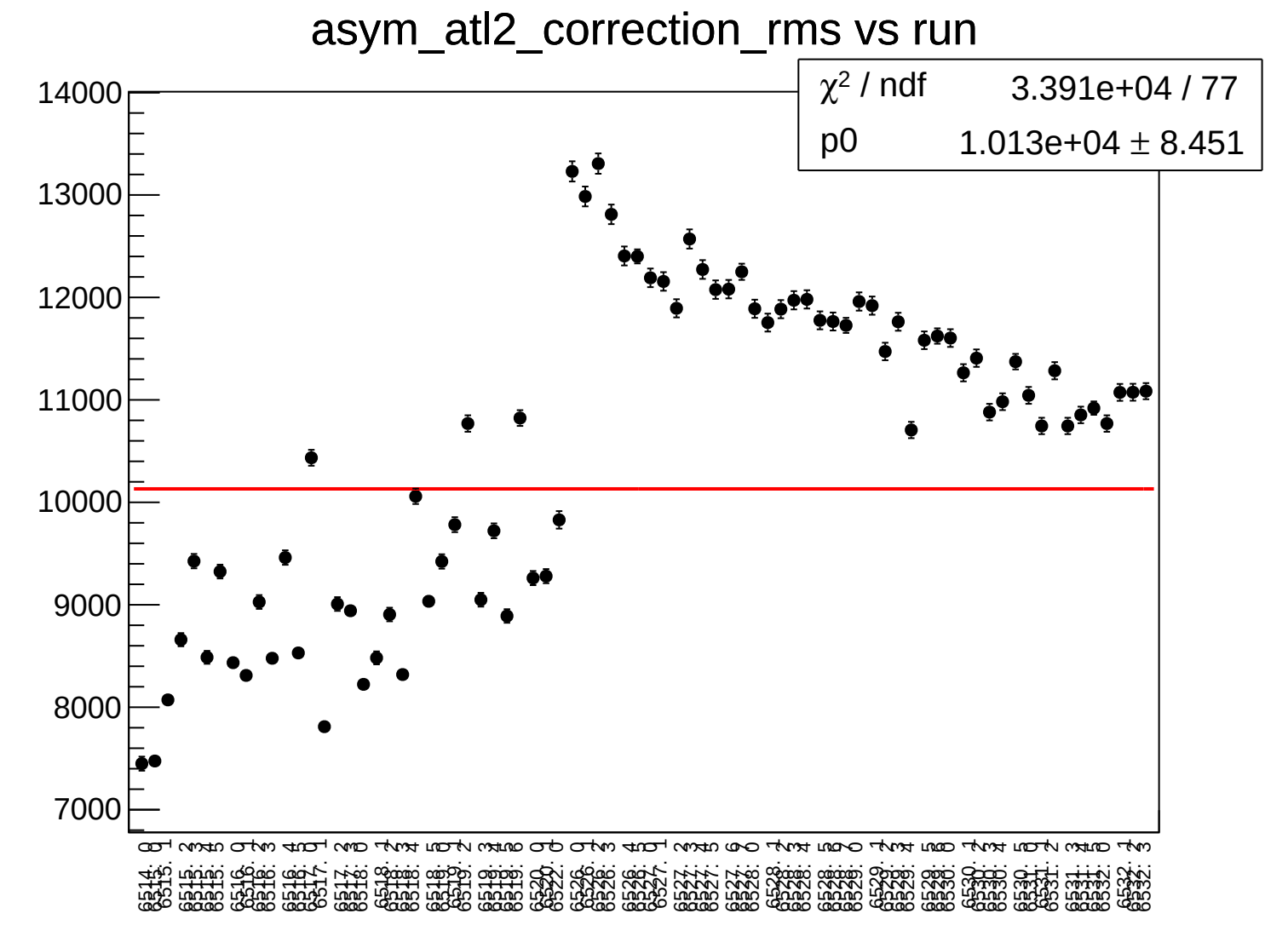

dit_asym_atl2_mean vs run
×10^3
χ² / ndf 77.77 / 77
p0 −1862 ± 3445
100
50
0
−50
−100
pull
Entries 78
Mean −193
Std Dev 231.3
3
2
1
0
−1
−2

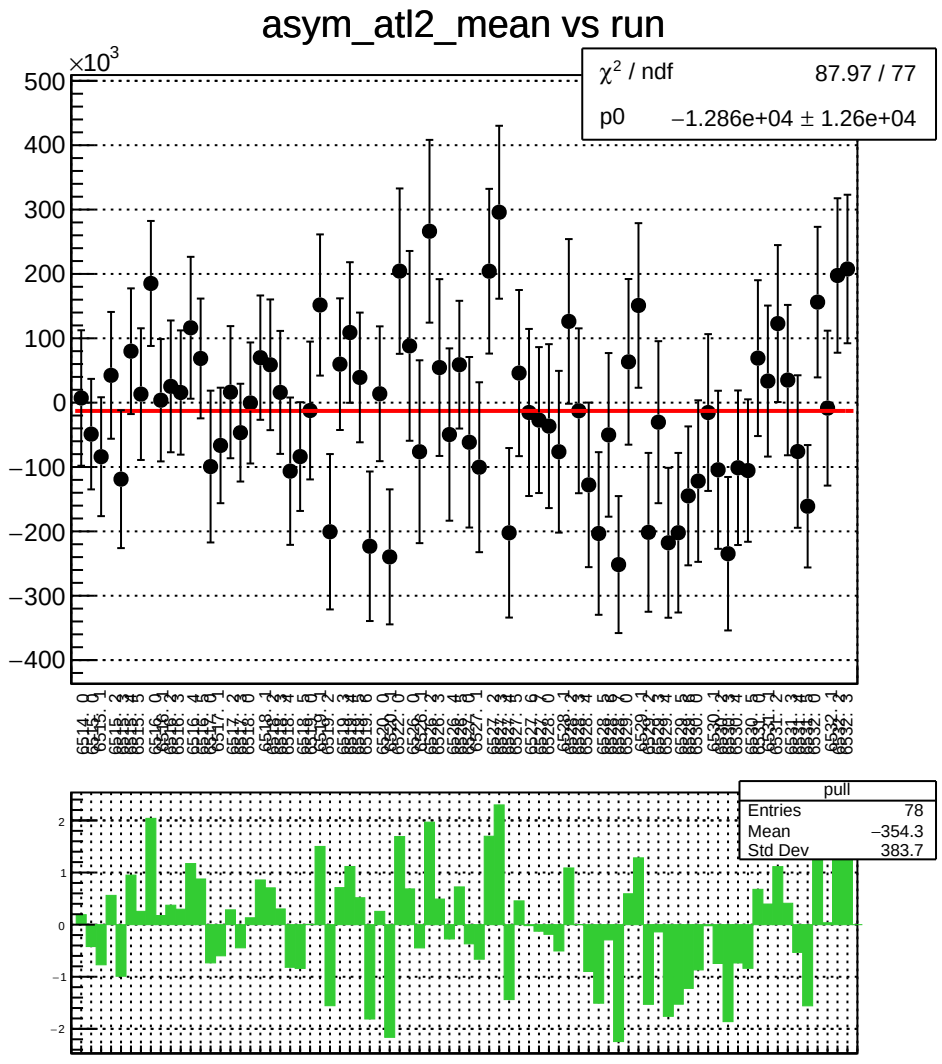

pull1D
Entries 78
Mean −0.01158
Std Dev 0.9984
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

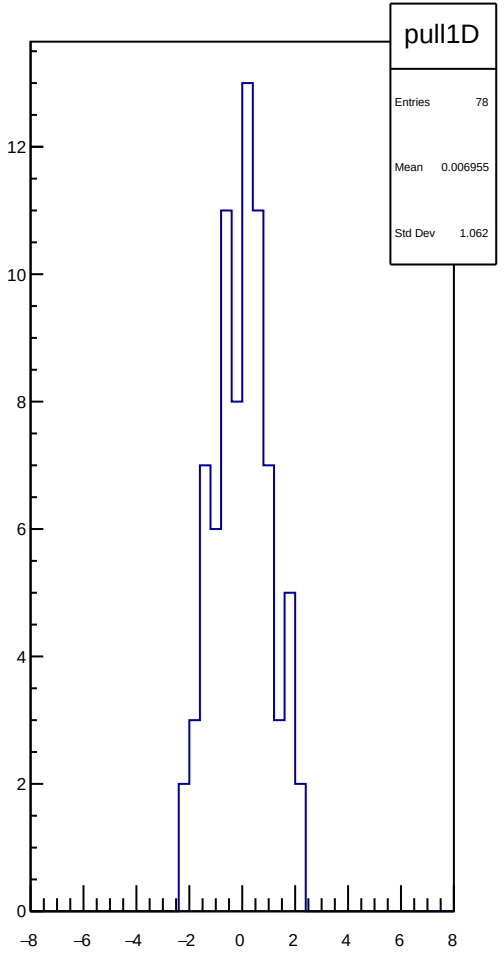

dit_asym_atl2_rms vs run
χ² / ndf 510.2 / 77
p0 2954 ± 2.436
3200
3150
3100
3050
3000
2950
2900
2850
2800

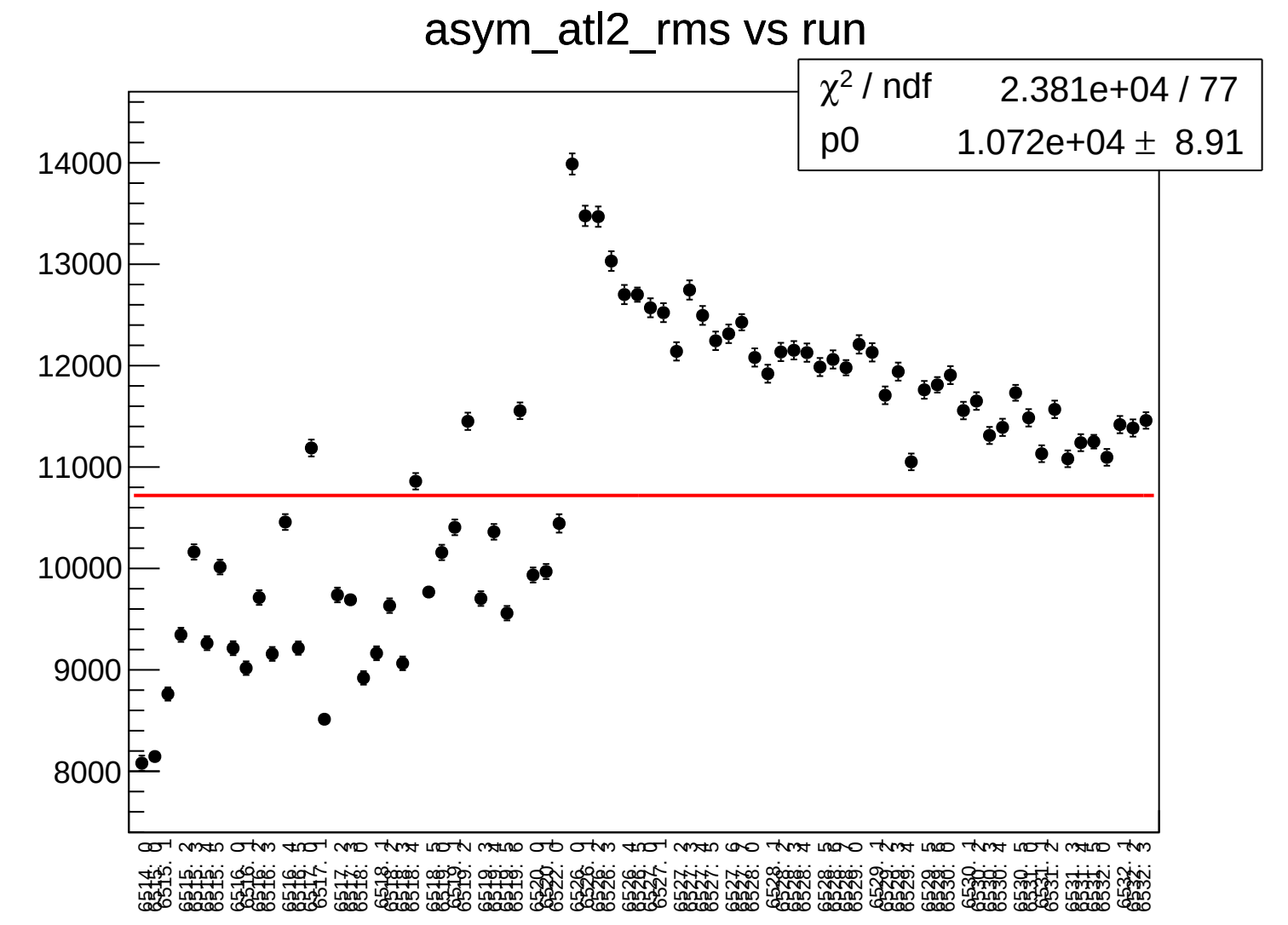

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 93.94 / 77
p0 8985 ± 1.195e+04
pull
Entries 78
Mean −3660
Std Dev 3692

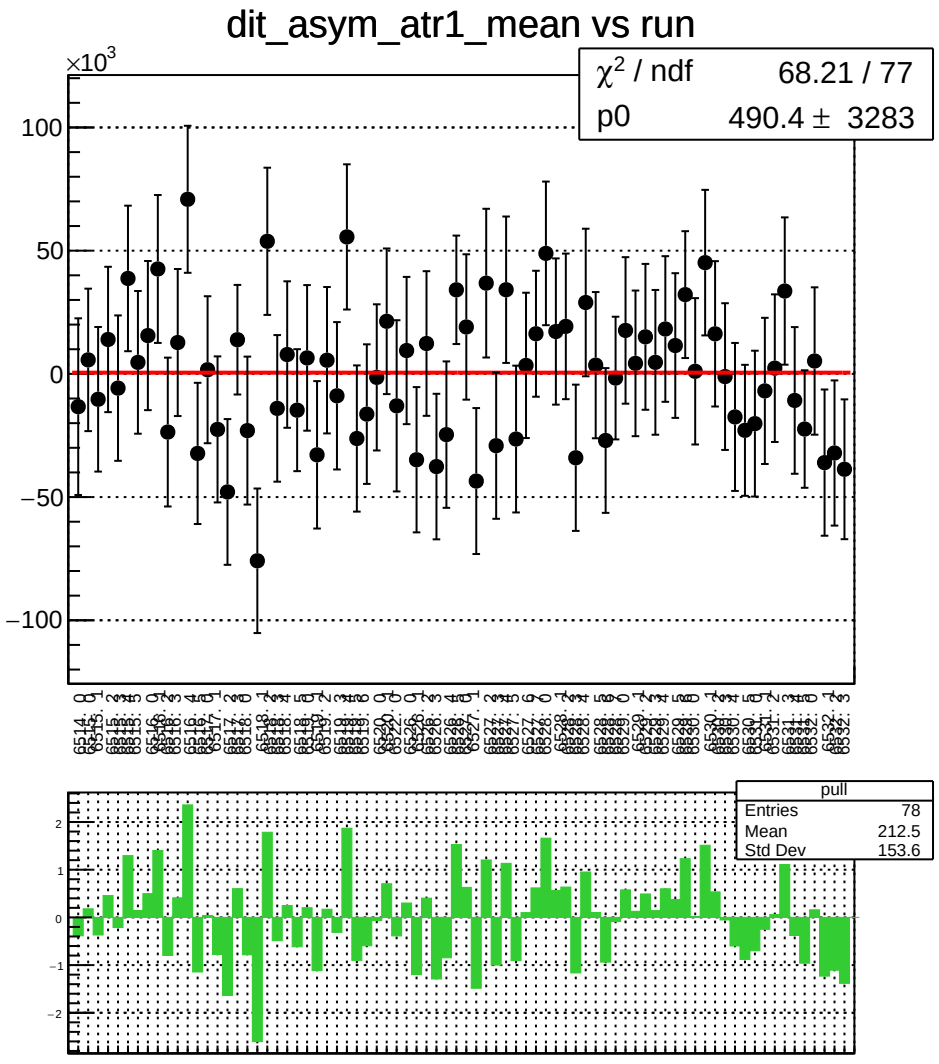

pull1D
Entries 78
Mean −0.0009915
Std Dev 1.097

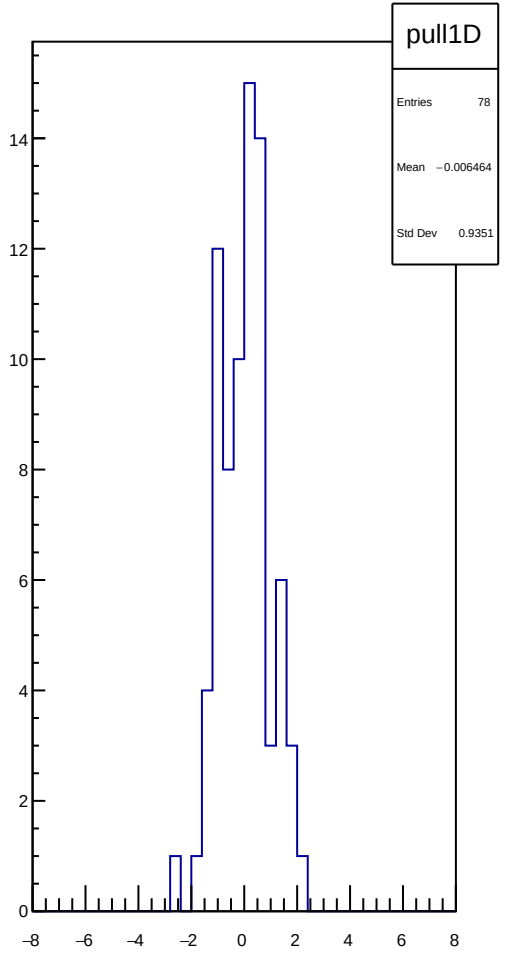

asym_atl2_correction_rms vs run
χ² / ndf 3.391e+04 / 77
p0 1.013e+04 ± 8.451
14000
13000
12000
11000
10000
9000
8000
7000

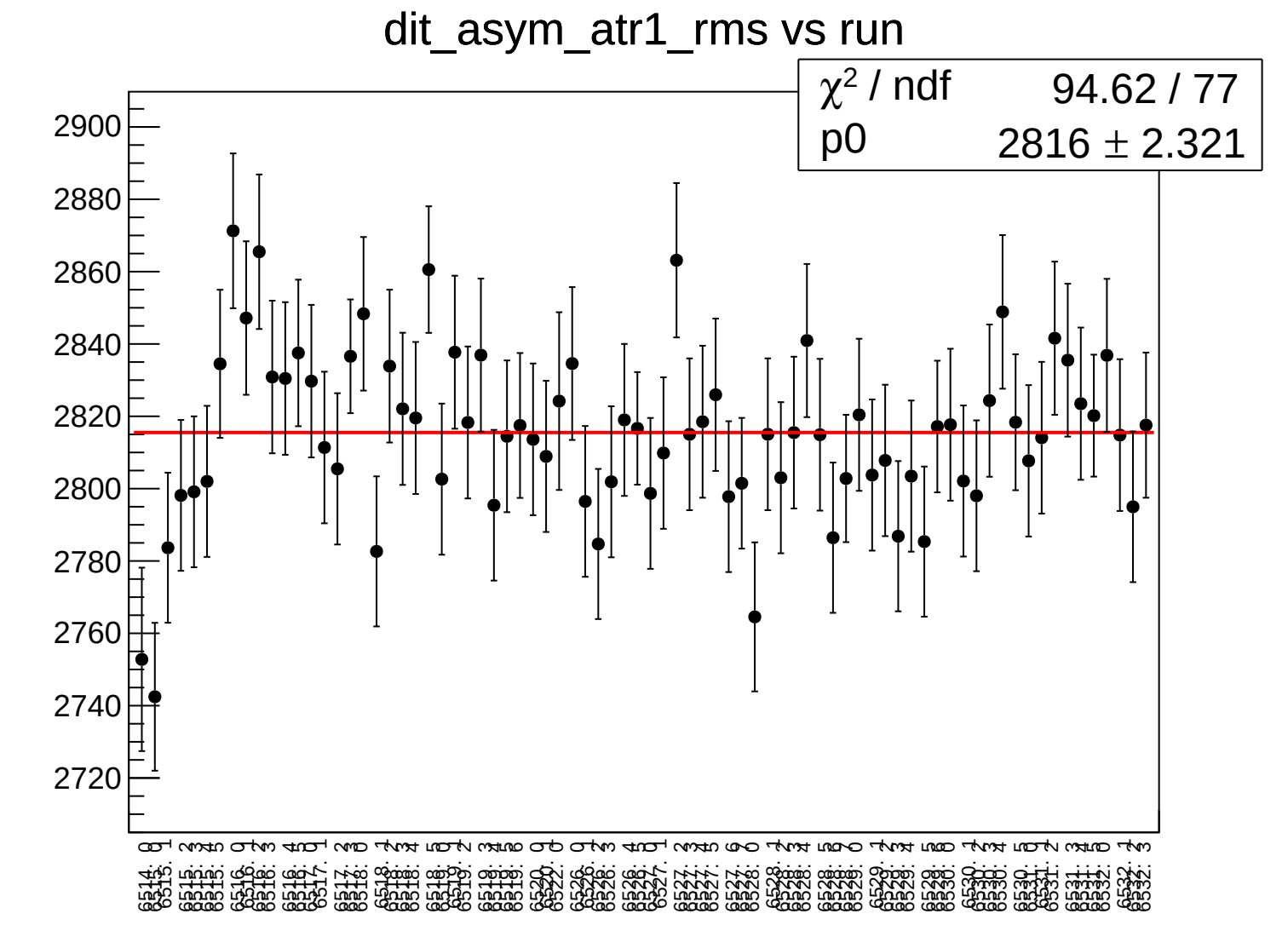

asym_atl2_mean vs run
χ² / ndf 87.97 / 77
p0 −1.286e+04 ± 1.26e+04
×10³
pull
Entries 78
Mean −354.3
Std Dev 383.7

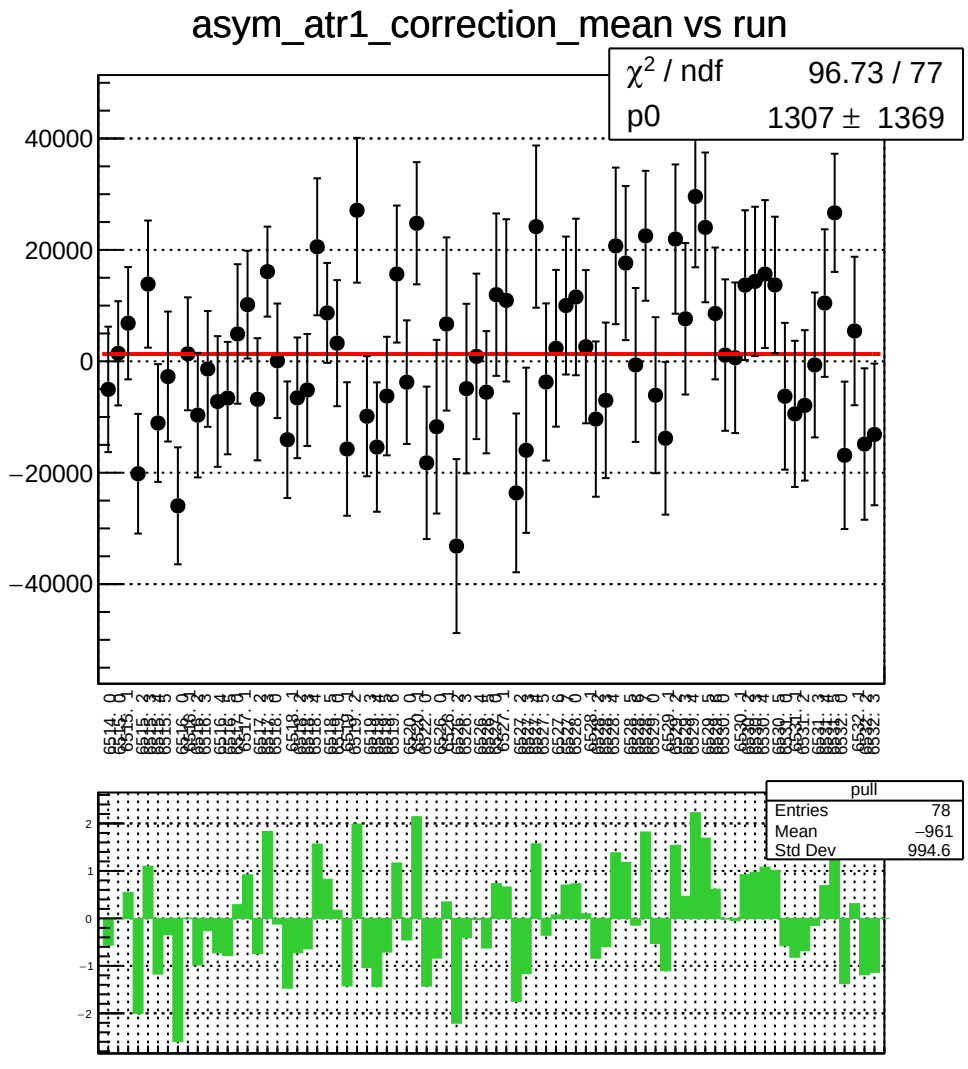

pull1D
Entries 78
Mean 0.006955
Std Dev 1.062

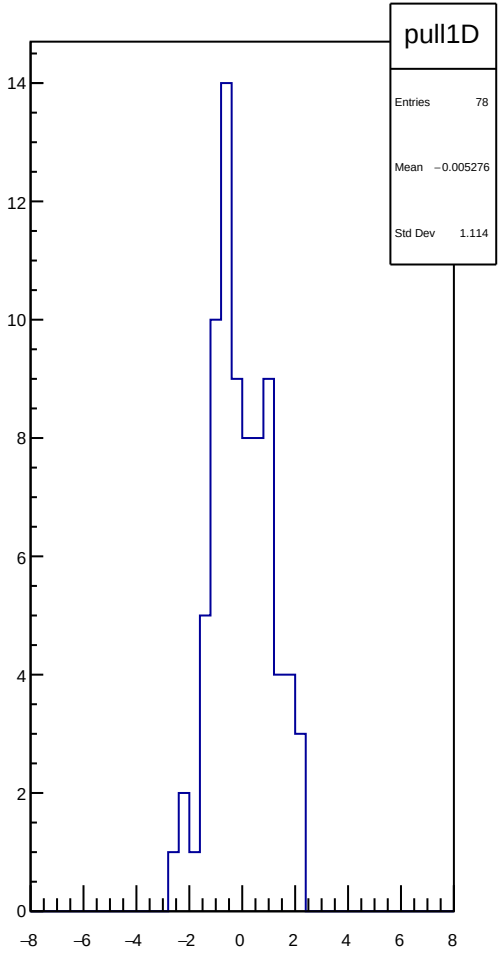

asym_atl2_rms vs run
χ² / ndf 2.381e+04 / 77
p0 1.072e+04 ± 8.91
14000
13000
12000
11000
10000
9000
8000

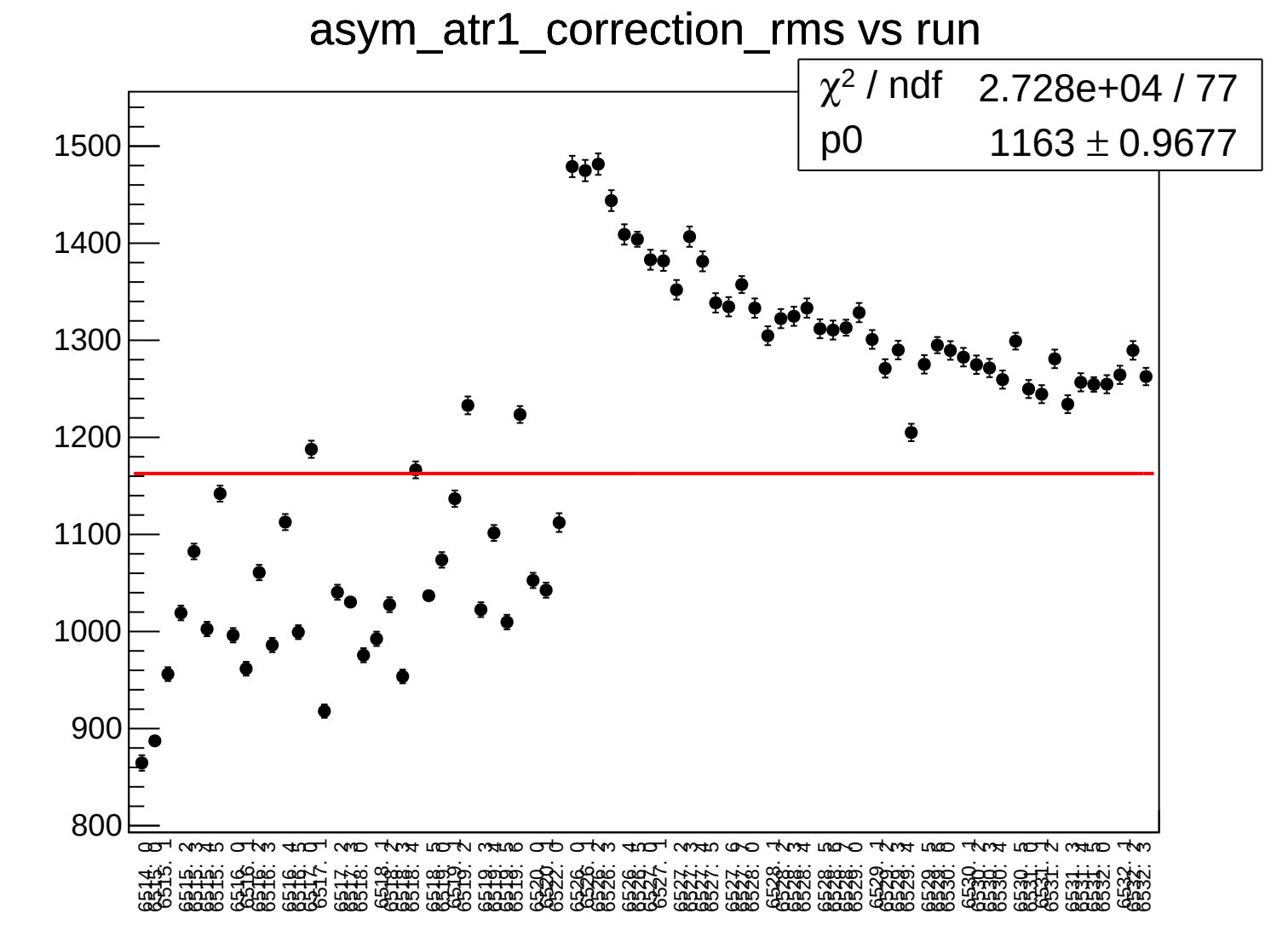

dit_asym_atr1_mean vs run
×10^3
χ² / ndf 68.21 / 77
p0 490.4 ± 3283
100
50
0
−50
−100
pull
Entries 78
Mean 212.5
Std Dev 153.6
2
1
0
−1
−2

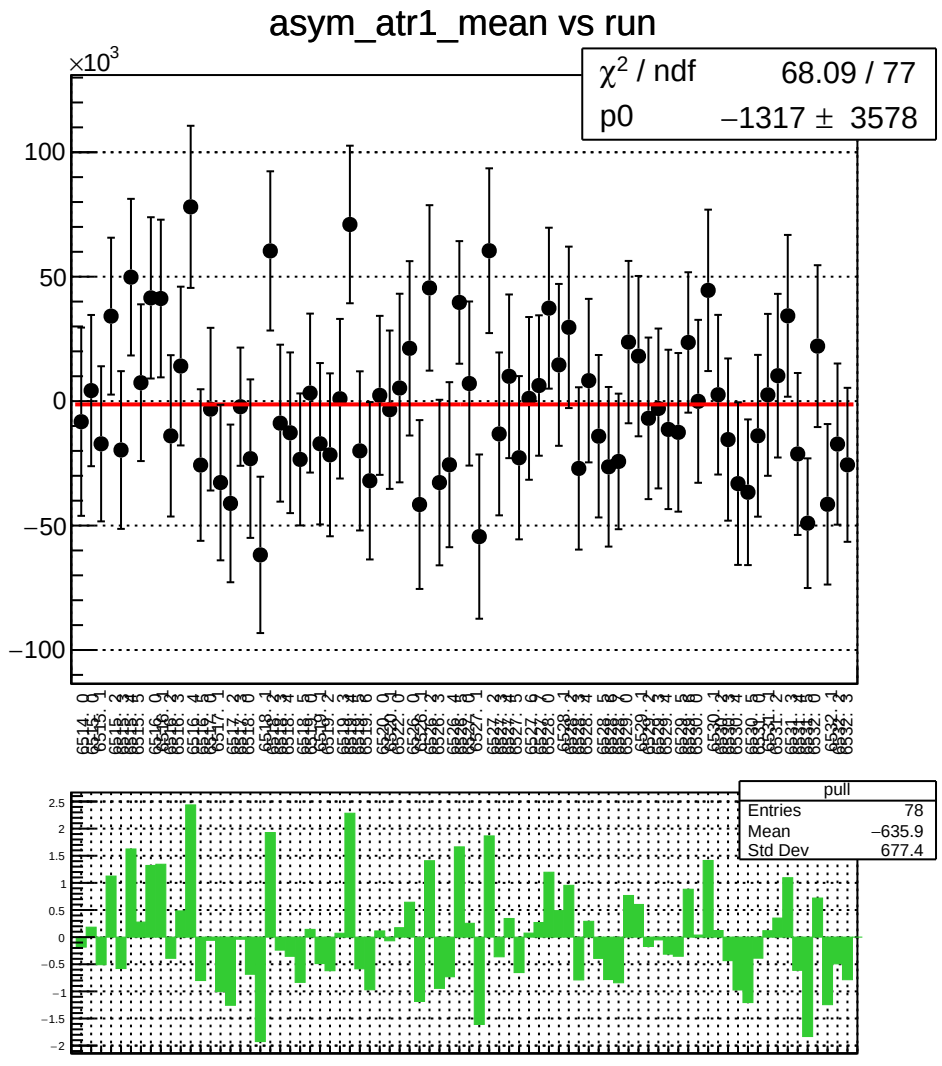

pull1D
Entries 78
Mean −0.006464
Std Dev 0.9351
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

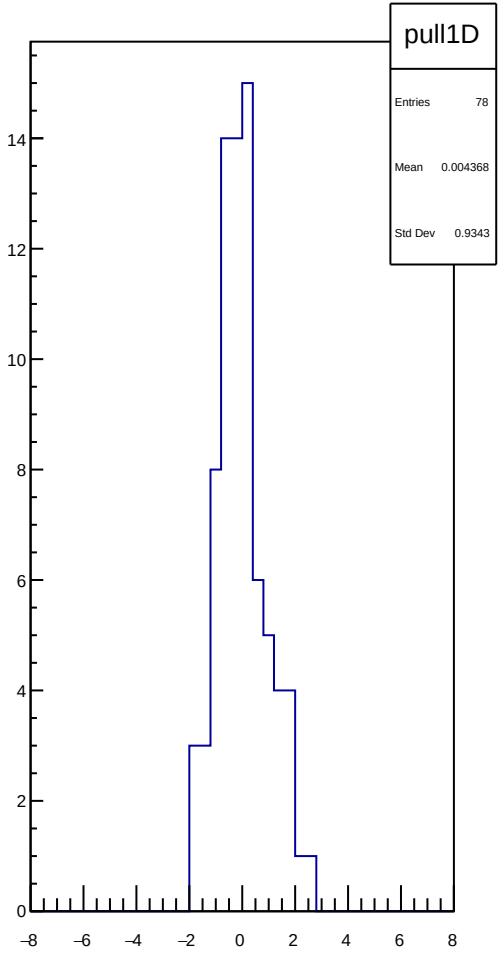

dit_asym_atr1_rms vs run
χ² / ndf 94.62 / 77
p0 2816 ± 2.321
2900
2880
2860
2840
2820
2800
2780
2760
2740
2720

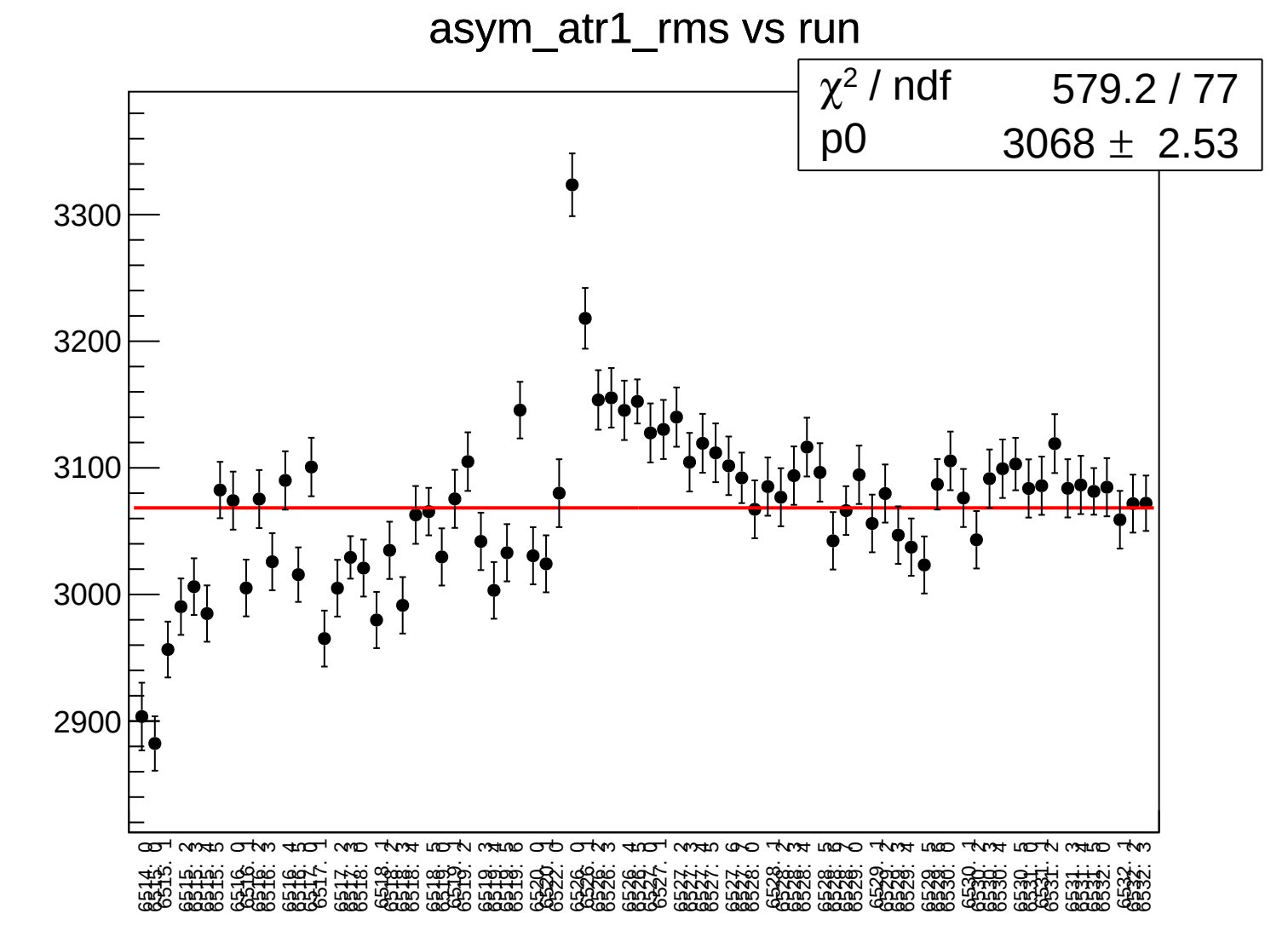

asym_atr1_correction_mean vs run
χ² / ndf 96.73 / 77
p0 1307 ± 1369
40000
20000
0
−20000
−40000
pull
Entries 78
Mean −961
Std Dev 994.6
2
1
0
−1
−2

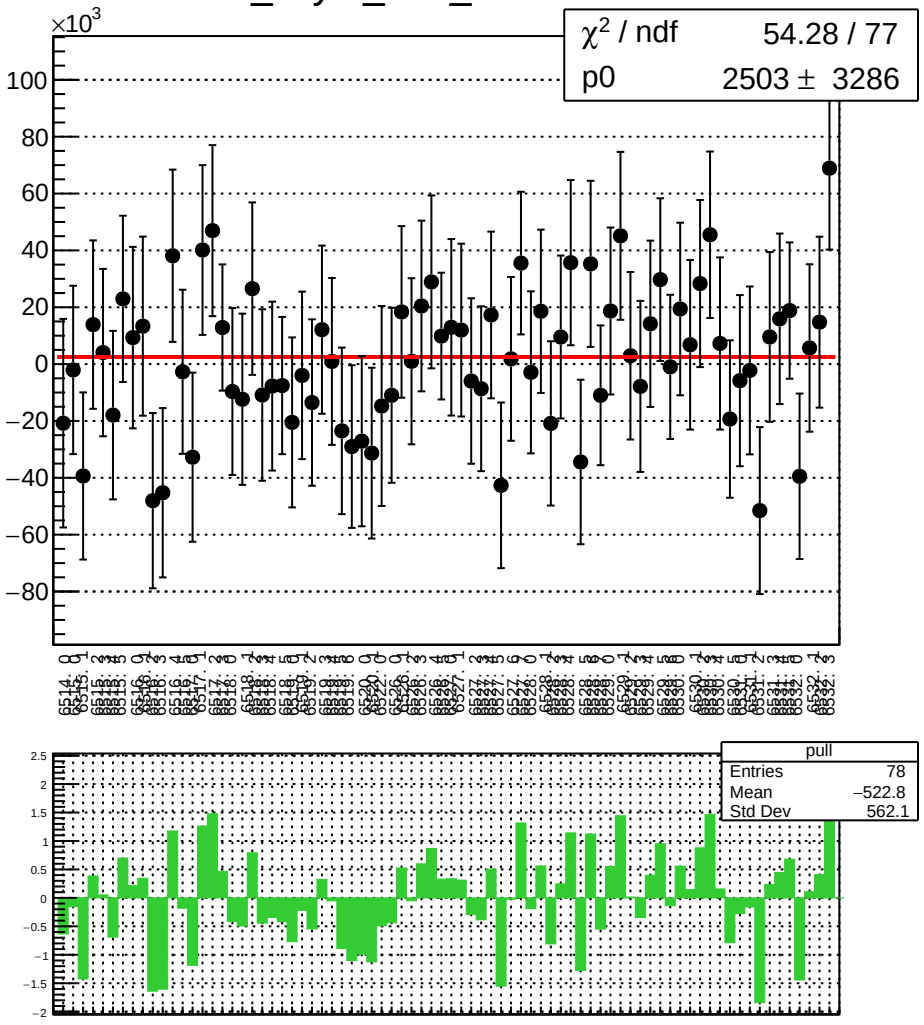

pull1D
Entries 78
Mean −0.005276
Std Dev 1.114
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

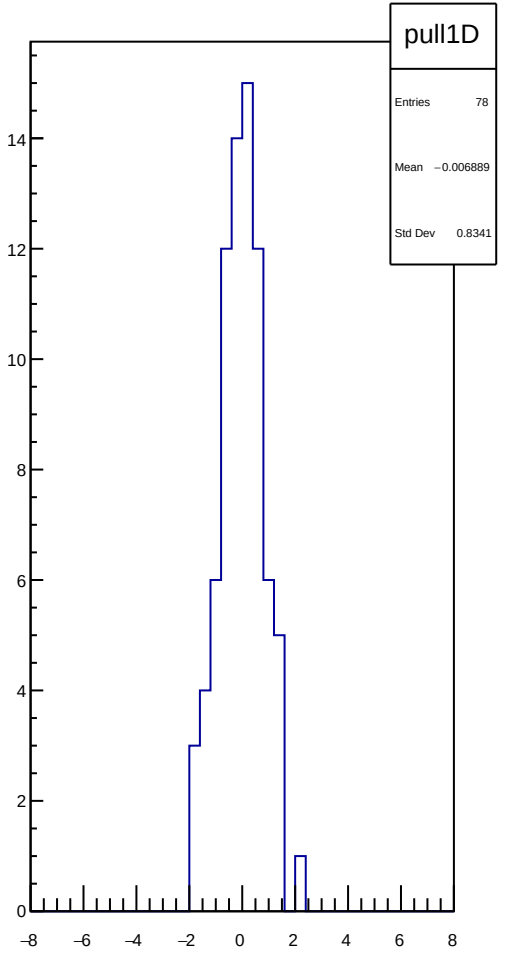

asym_atr1_correction_rms vs run
χ² / ndf 2.728e+04 / 77
p0 1163 ± 0.9677
1500
1400
1300
1200
1100
1000
900
800

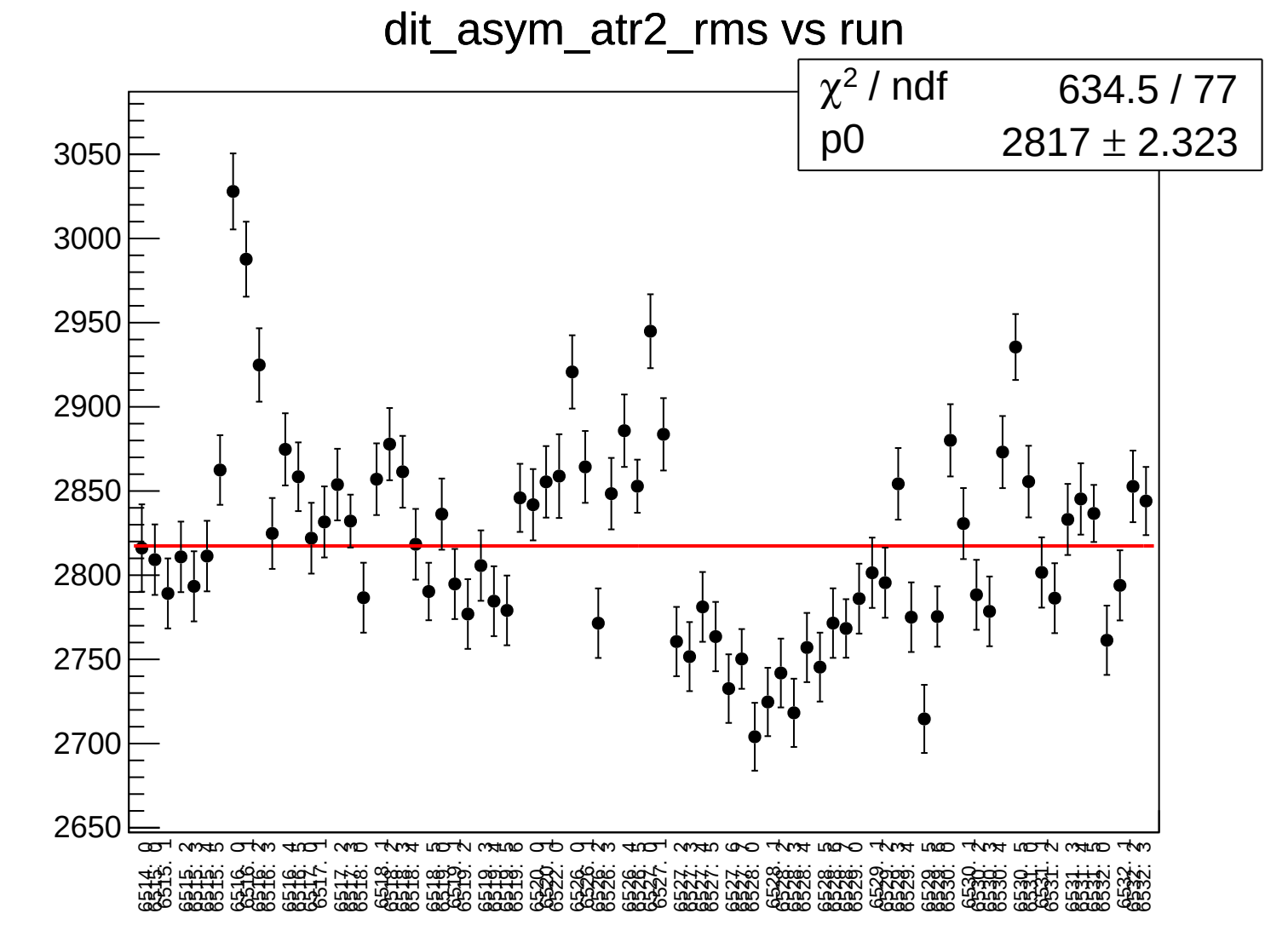

asym_atr1_mean vs run
×10^3
χ² / ndf 68.09 / 77
p0 −1317 ± 3578
100
50
0
−50
−100
pull
Entries 78
Mean −635.9
Std Dev 677.4
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

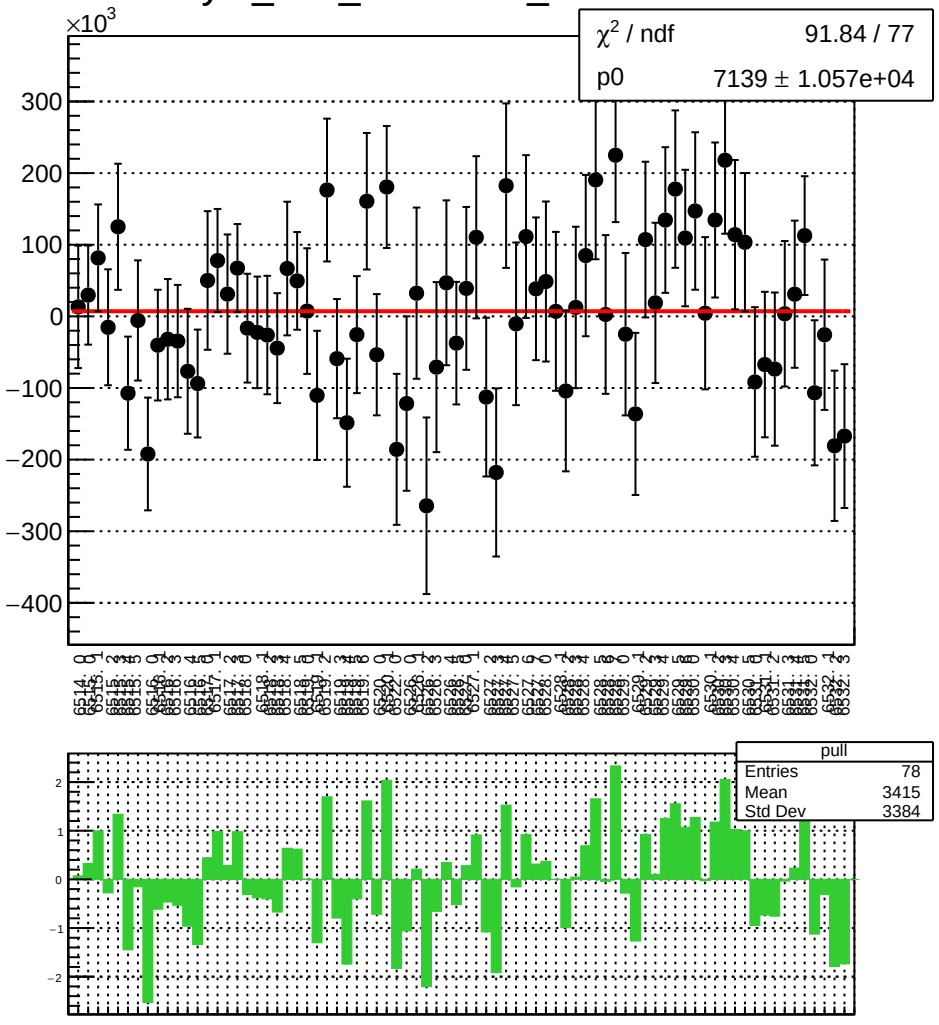

pull1D
Entries 78
Mean 0.004368
Std Dev 0.9343
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

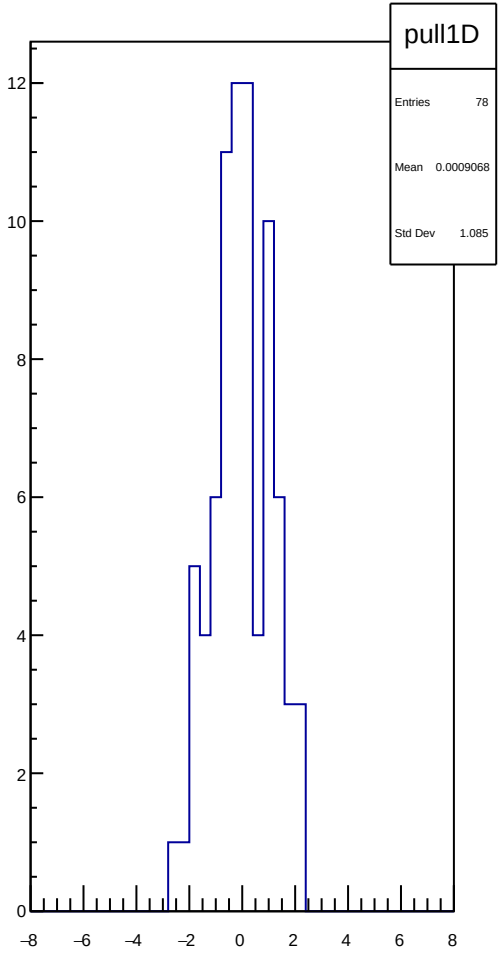

asym_atr1_rms vs run
χ² / ndf 579.2 / 77
p0 3068 ± 2.53
3300
3200
3100
3000
2900

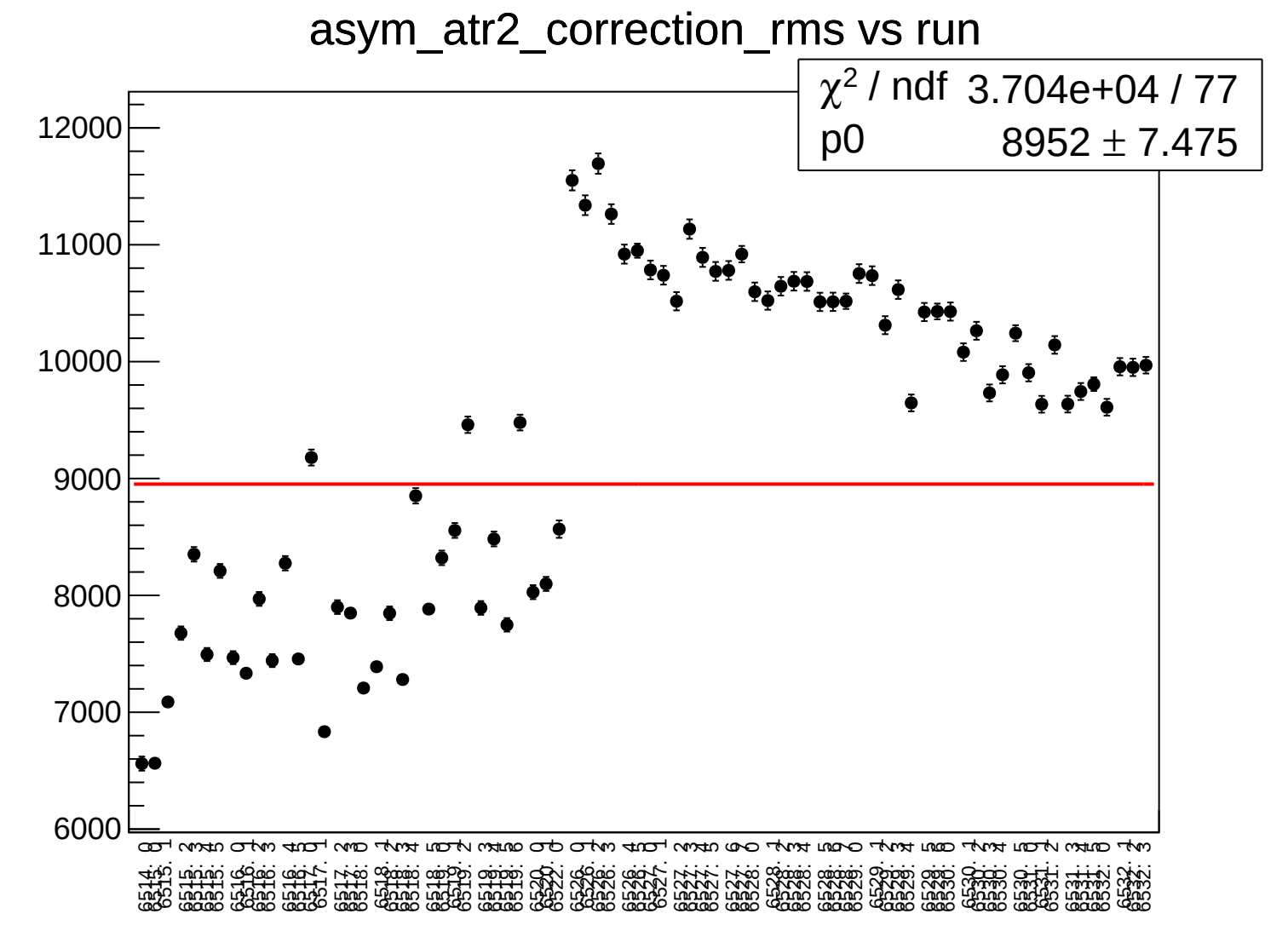

dit_asym_atr2_mean vs run
×10^3
χ^2 / ndf 54.28 / 77
p0 2503 ± 3286
pull
Entries 78
Mean −522.8
Std Dev 562.1

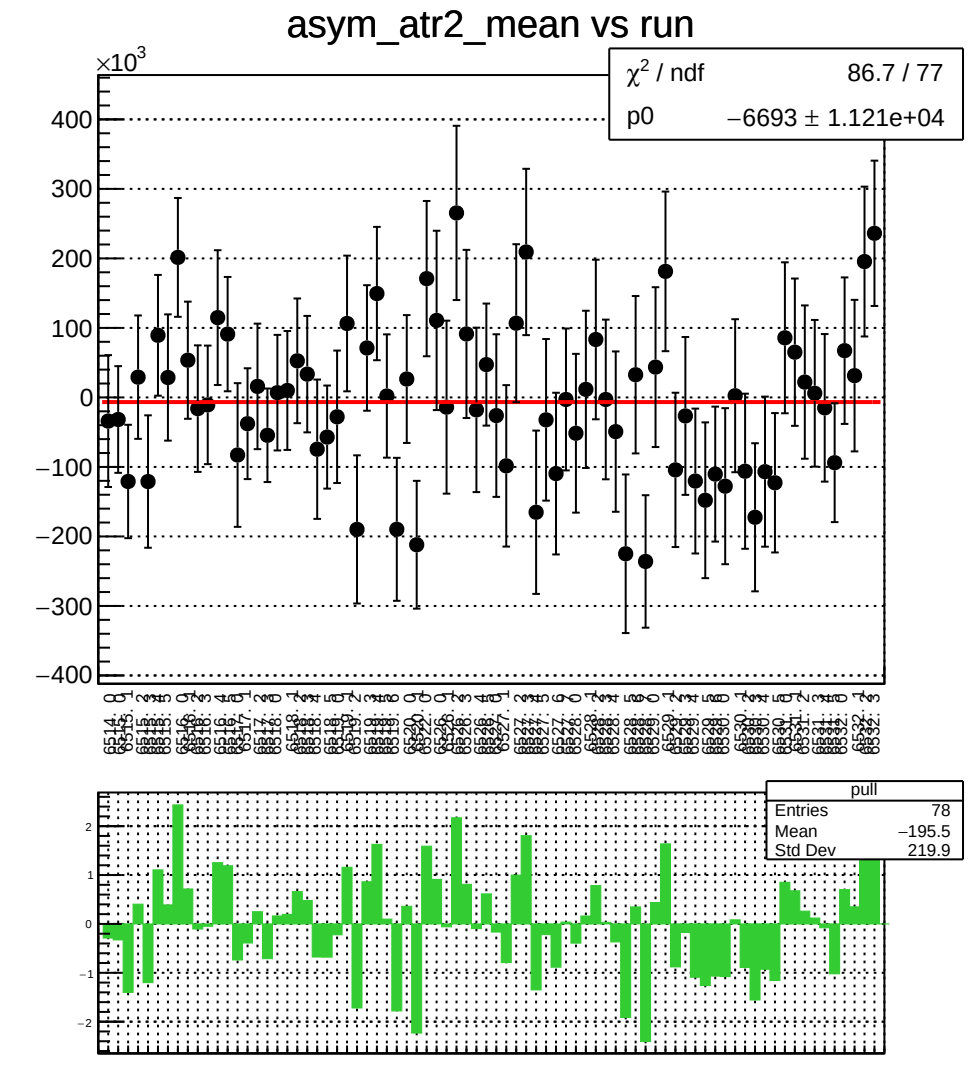

pull1D
Entries 78
Mean −0.006889
Std Dev 0.8341

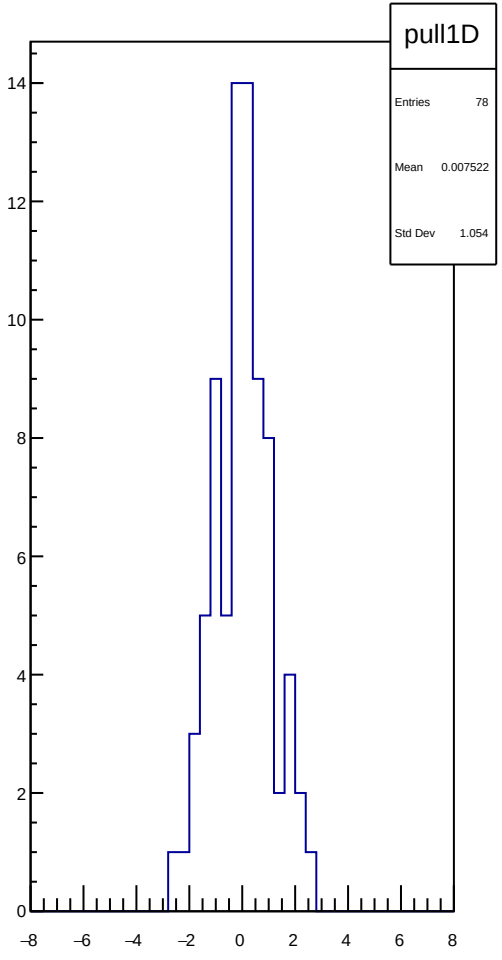

dit_asym_atr2_rms vs run
χ^2 / ndf 634.5 / 77
p0 2817 ± 2.323
3050
3000
2950
2900
2850
2800
2750
2700
2650

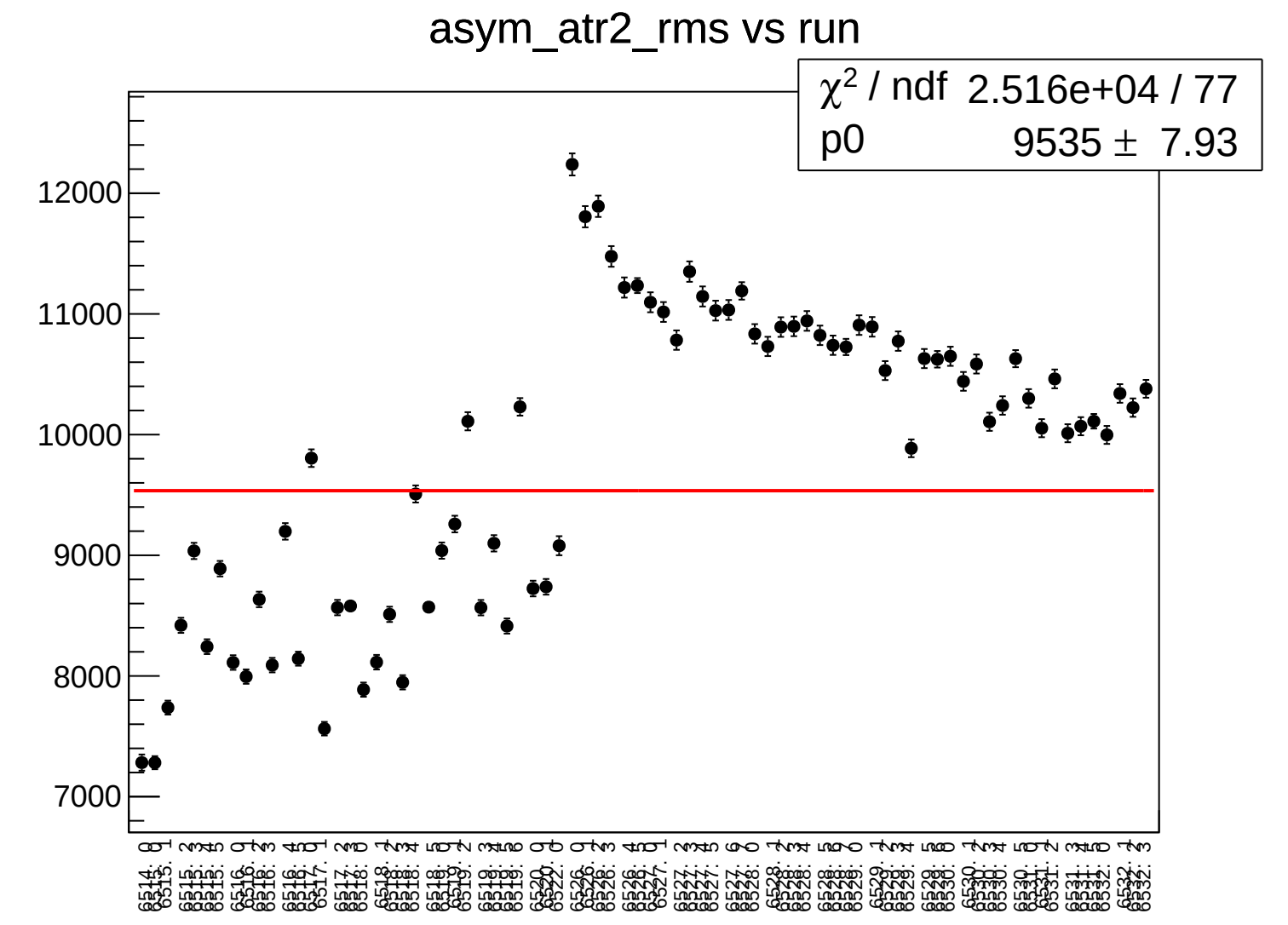

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 91.84 / 77
p0 7139 ± 1.057e+04
pull
Entries 78
Mean 3415
Std Dev 3384

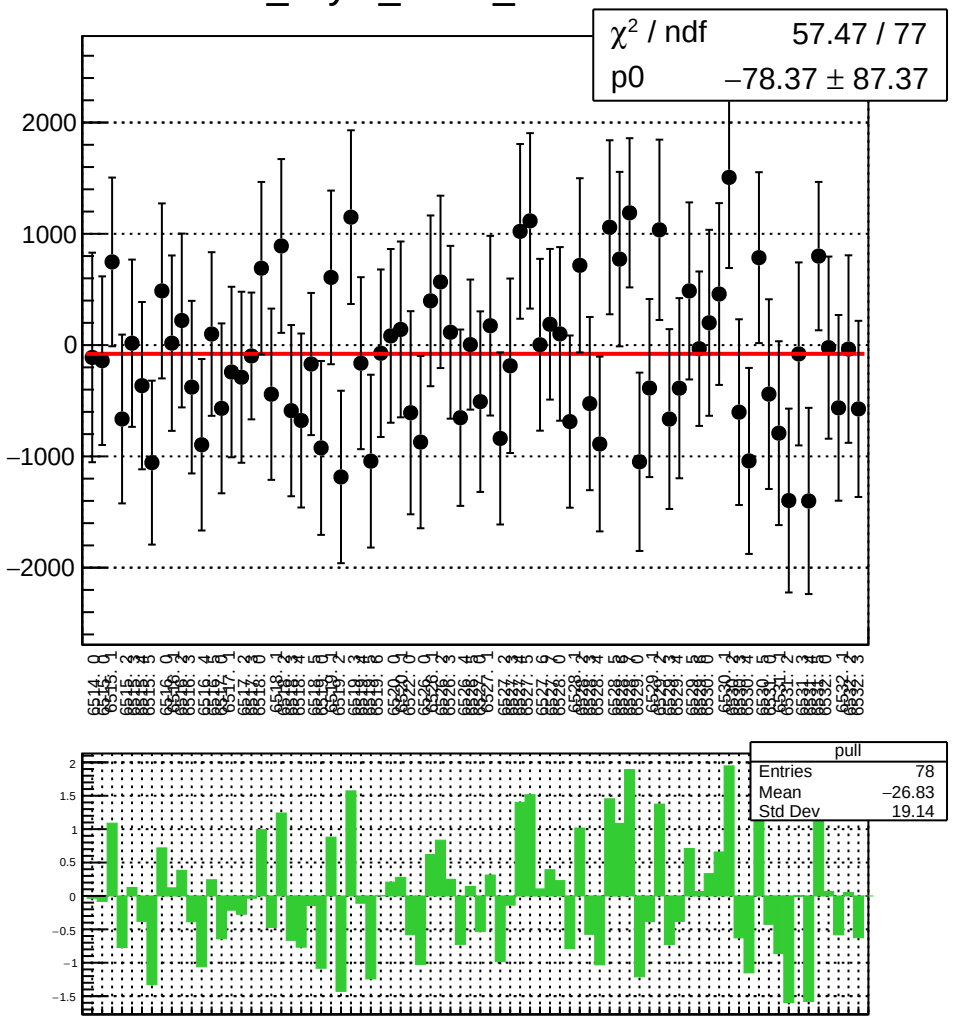

pull1D
Entries 78
Mean 0.0009068
Std Dev 1.085

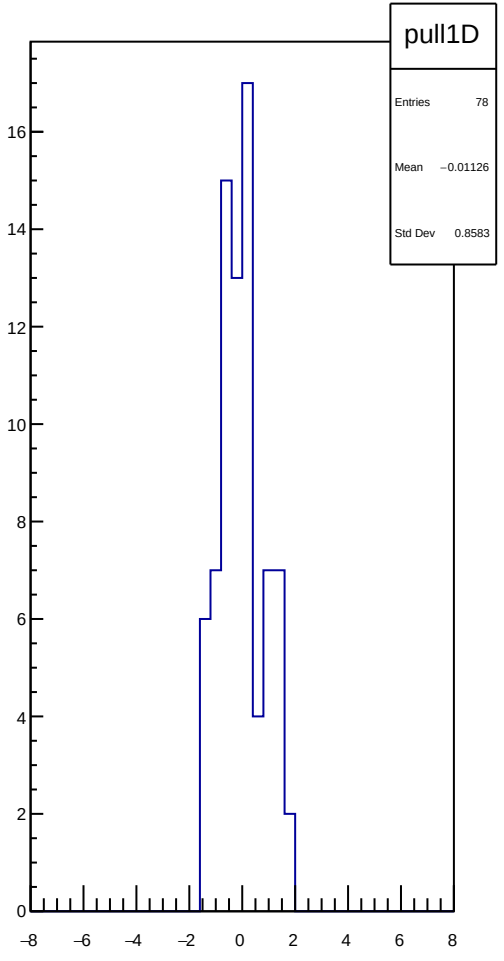

asym_atr2_correction_rms vs run
χ² / ndf 3.704e+04 / 77
p0 8952 ± 7.475
12000
11000
10000
9000
8000
7000
6000

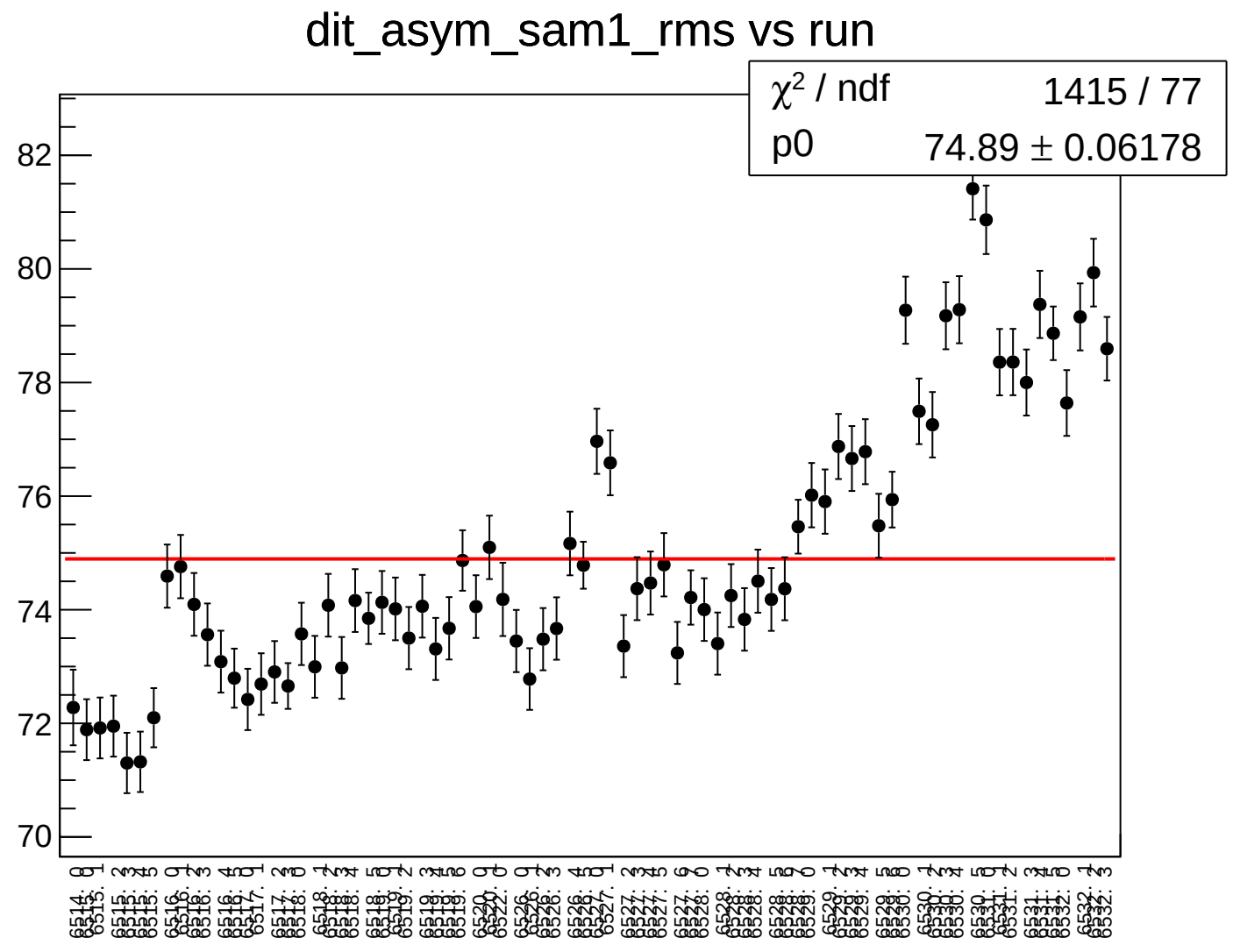

asym_atr2_mean vs run
×10^3
χ² / ndf 86.7 / 77
p0 −6693 ± 1.121e+04
pull
Entries 78
Mean −195.5
Std Dev 219.9

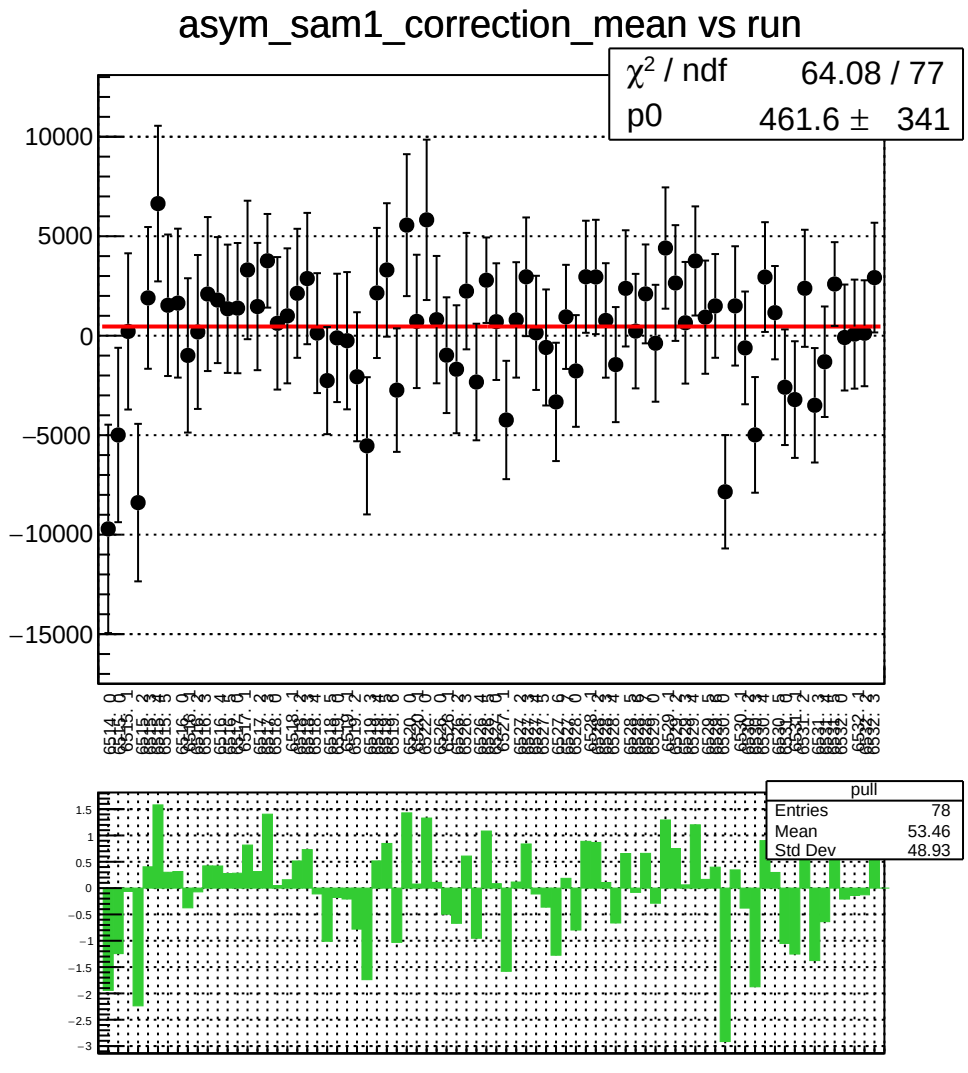

pull1D
Entries 78
Mean 0.007522
Std Dev 1.054

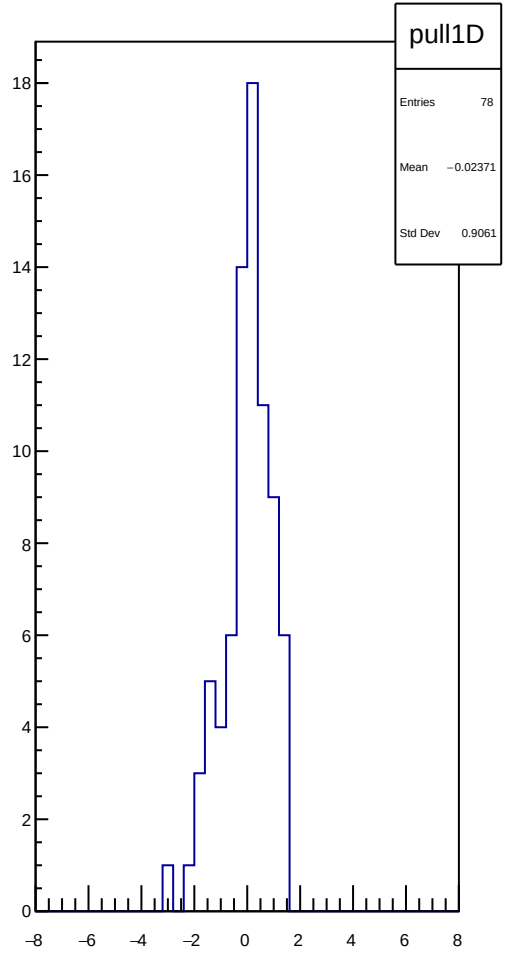

asym_atr2_rms vs run
χ² / ndf 2.516e+04 / 77
p0 9535 ± 7.93
12000
11000
10000
9000
8000
7000

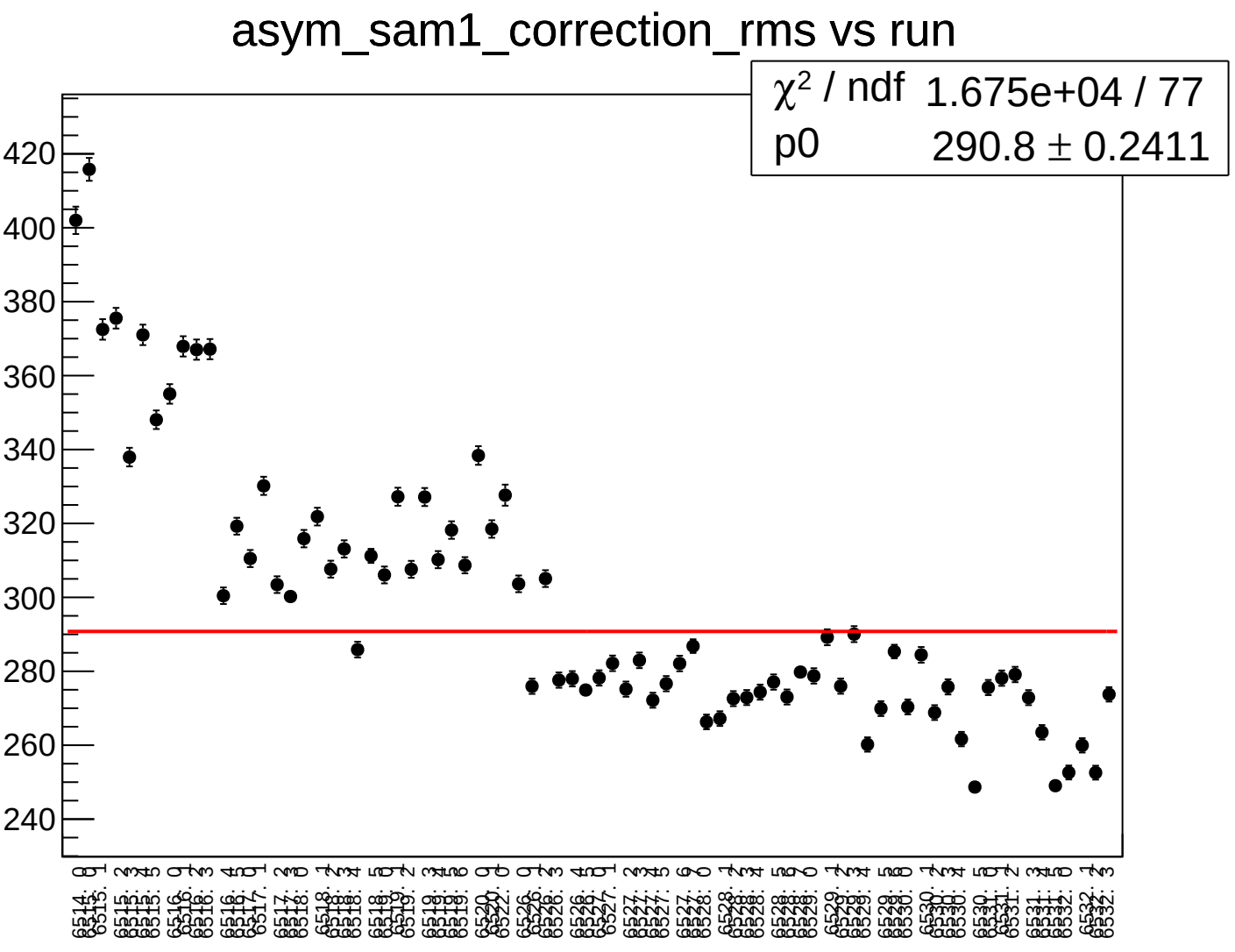

dit_asym_sam1_mean vs run
χ² / ndf 57.47 / 77
p0 −78.37 ± 87.37
2000
1000
0
−1000
−2000
pull
Entries 78
Mean −26.83
Std Dev 19.14
2
1.5
1
0.5
0
−0.5
−1
−1.5

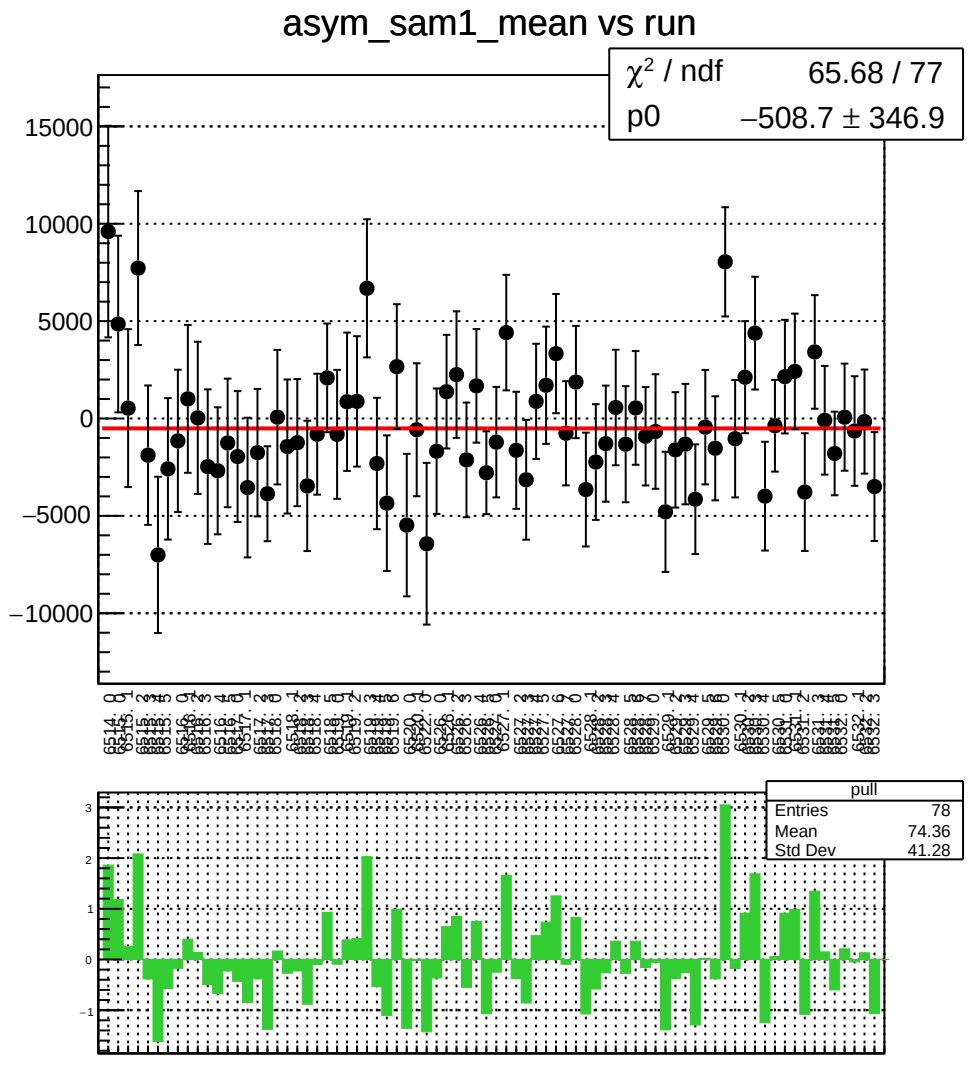

pull1D
Entries 78
Mean −0.01126
Std Dev 0.8583
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

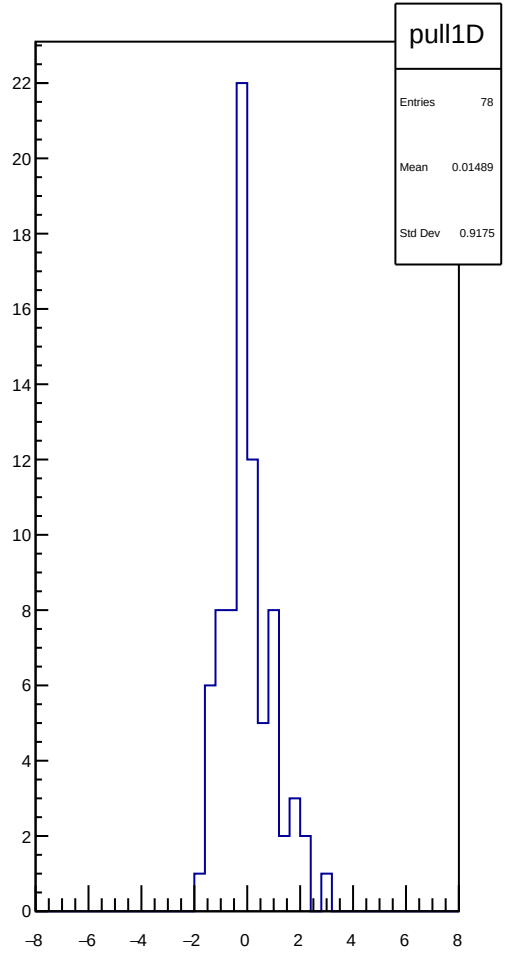

dit_asym_sam1_rms vs run
χ² / ndf 1415 / 77
p0 74.89 ± 0.06178
82
80
78
76
74
72
70

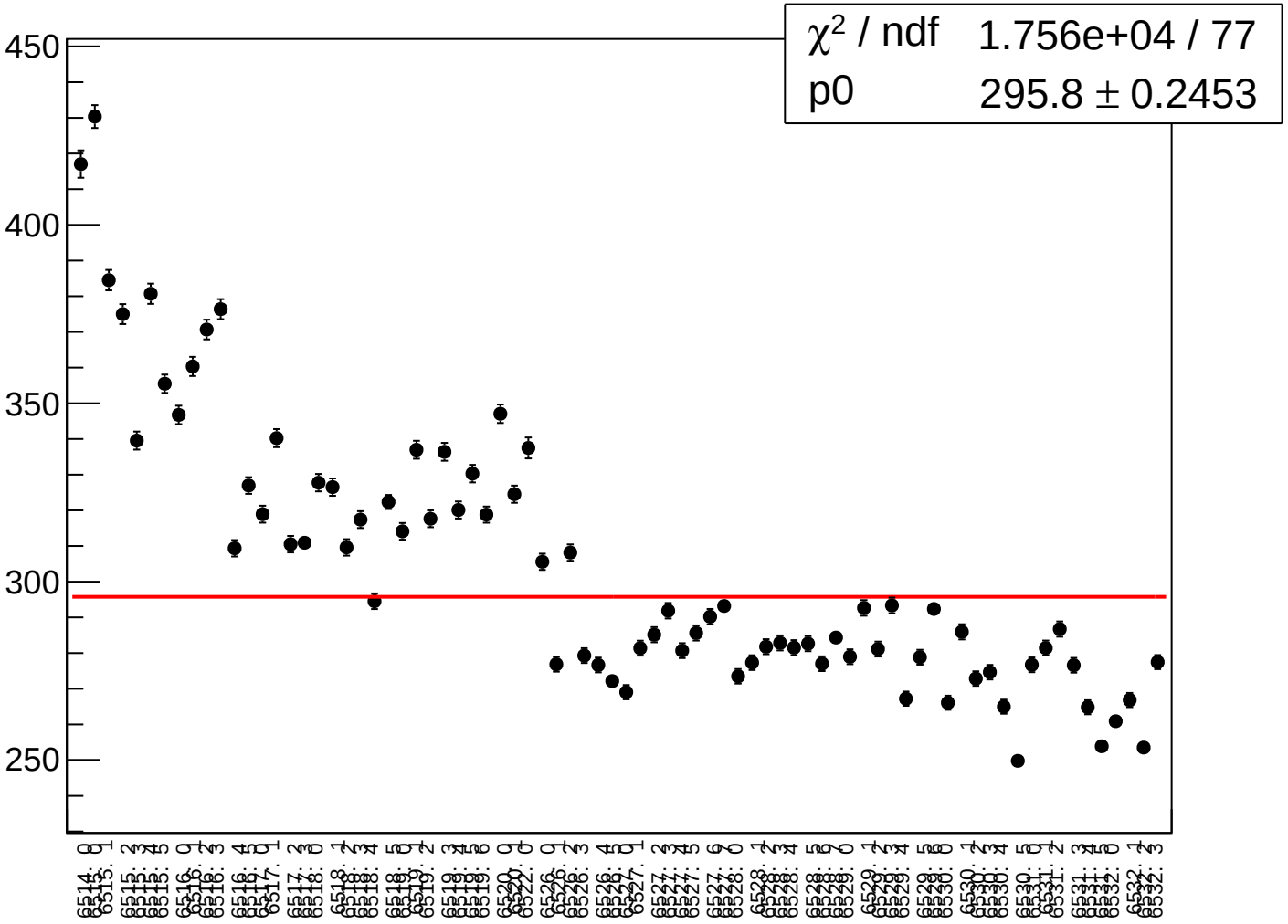

asym_sam1_correction_mean vs run
χ² / ndf 64.08 / 77
p0 461.6 ± 341
10000
5000
0
−5000
−10000
−15000
pull
Entries 78
Mean 53.46
Std Dev 48.93
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

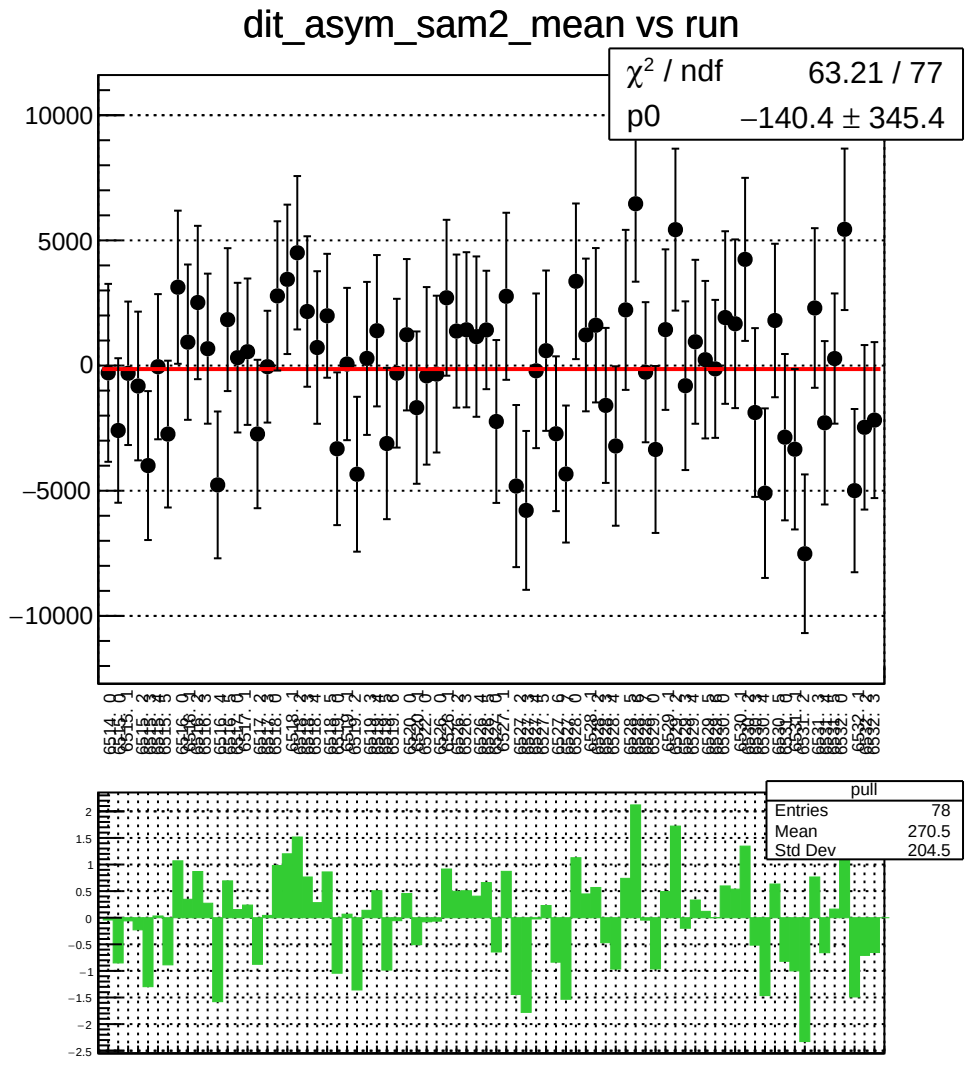

pull1D
Entries 78
Mean −0.02371
Std Dev 0.9061
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

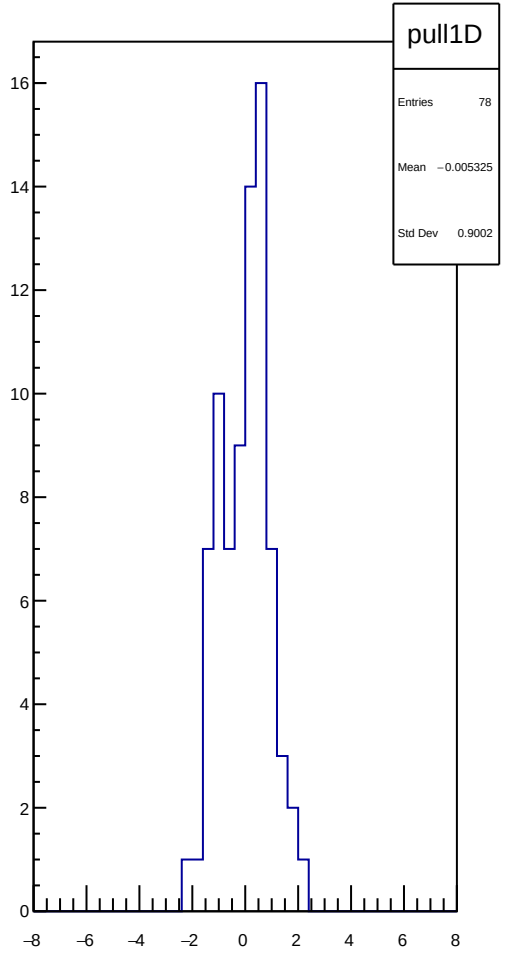

asym_sam1_correction_rms vs run
χ² / ndf 1.675e+04 / 77
p0 290.8 ± 0.2411
420
400
380
360
340
320
300
280
260
240

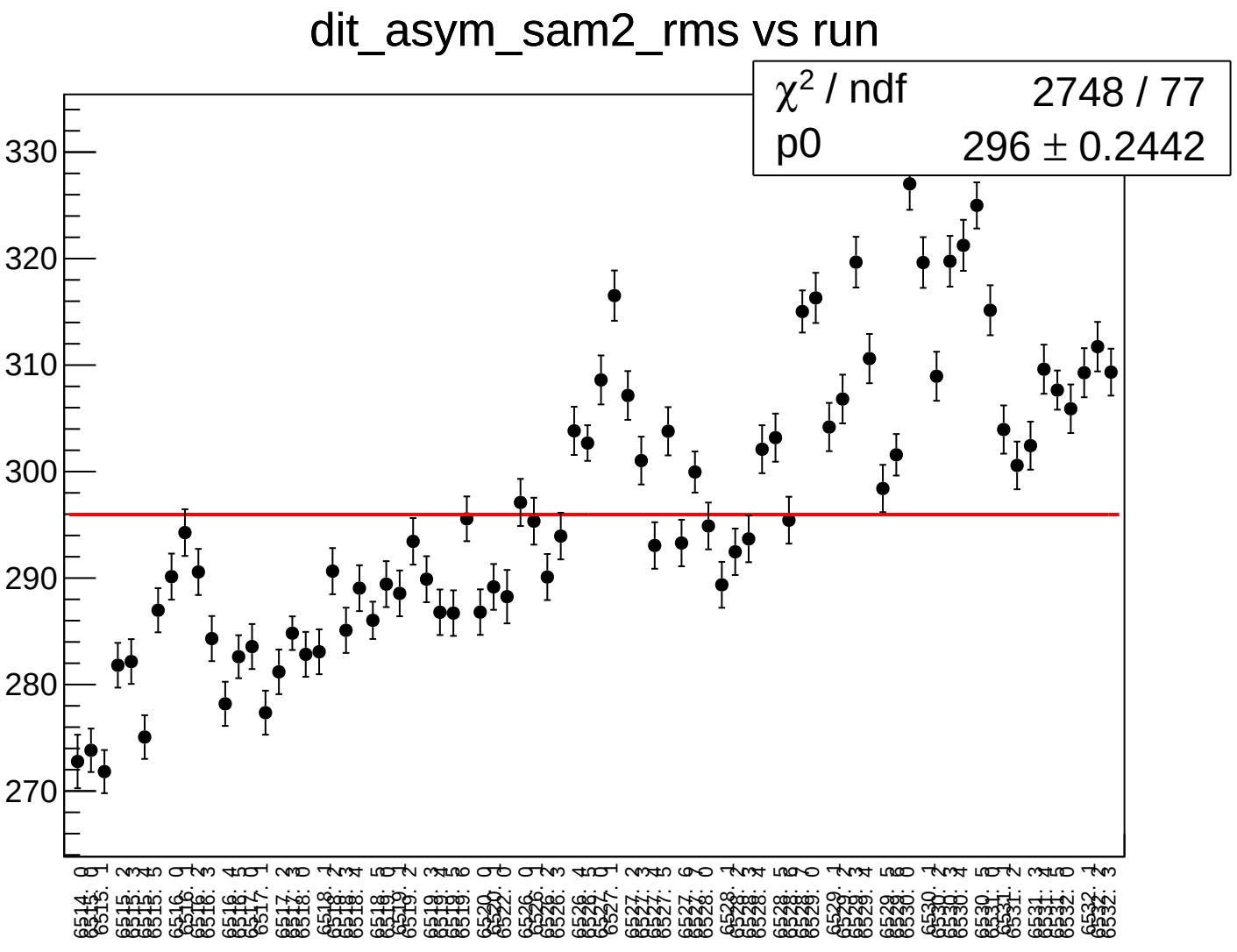

asym_sam1_mean vs run
χ² / ndf 65.68 / 77
p0 −508.7 ± 346.9
15000
10000
5000
0
−5000
−10000
pull
Entries 78
Mean 74.36
Std Dev 41.28
3
2
1
0
−1

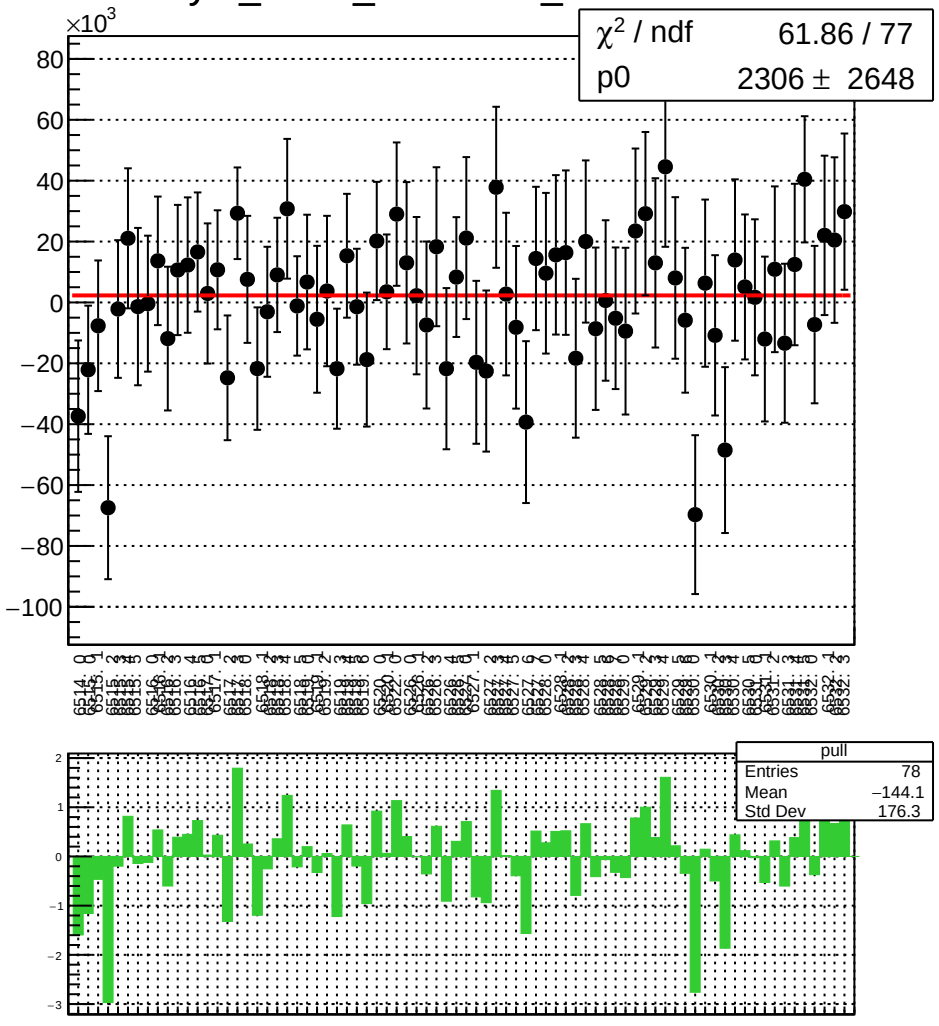

pull1D
Entries 78
Mean 0.01489
Std Dev 0.9175
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

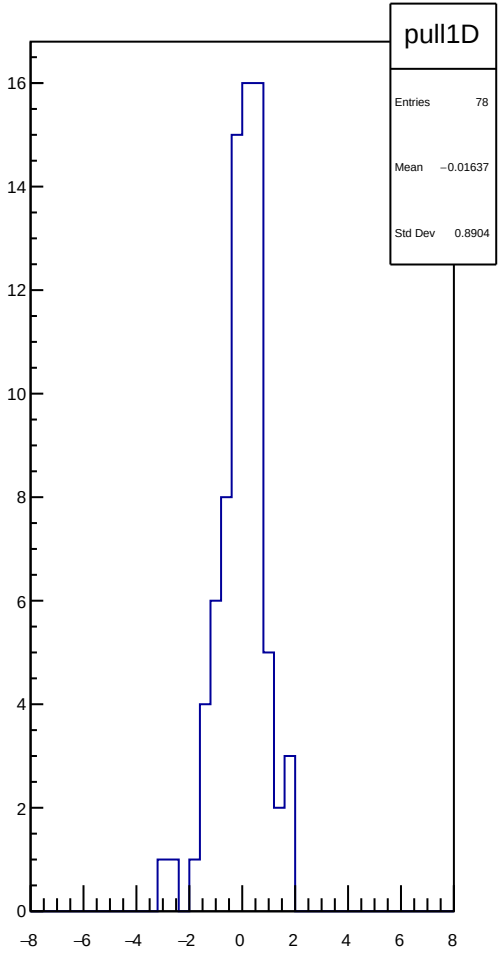

asym_sam1_rms vs run
χ² / ndf 1.756e+04 / 77
p0 295.8 ± 0.2453
450
400
350
300
250

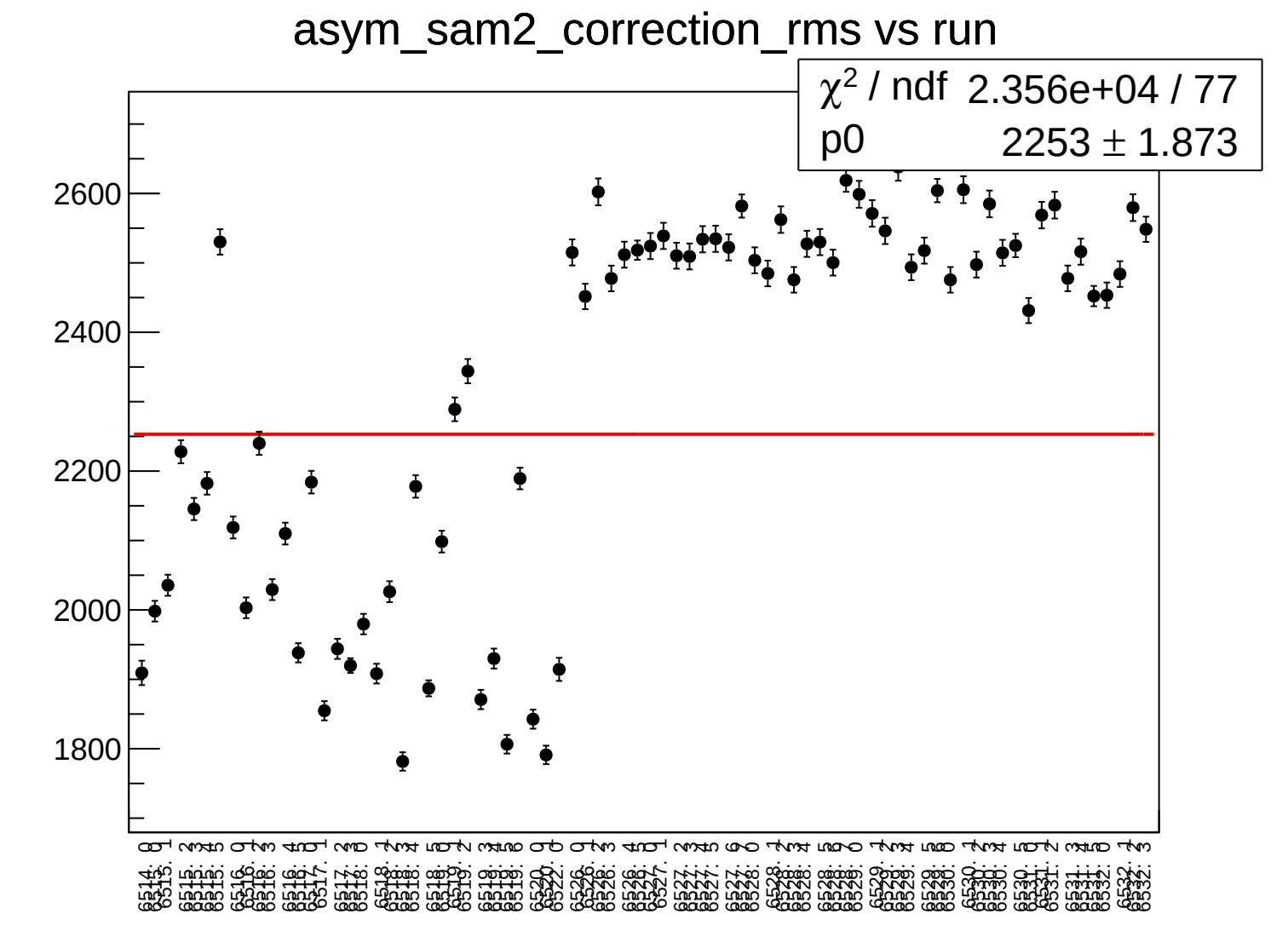

dit_asym_sam2_mean vs run
χ² / ndf 63.21 / 77
p0 −140.4 ± 345.4
10000
5000
0
−5000
−10000
pull
Entries 78
Mean 270.5
Std Dev 204.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

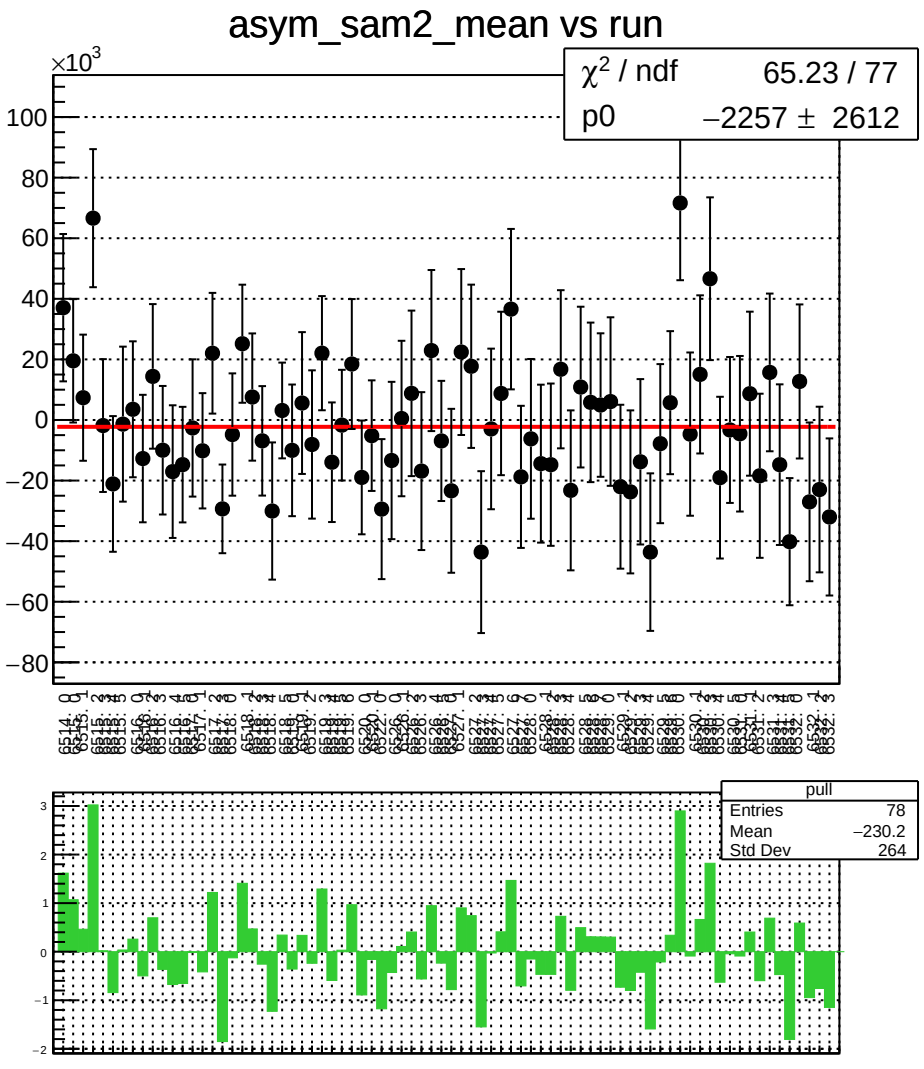

pull1D
Entries 78
Mean −0.005325
Std Dev 0.9002
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

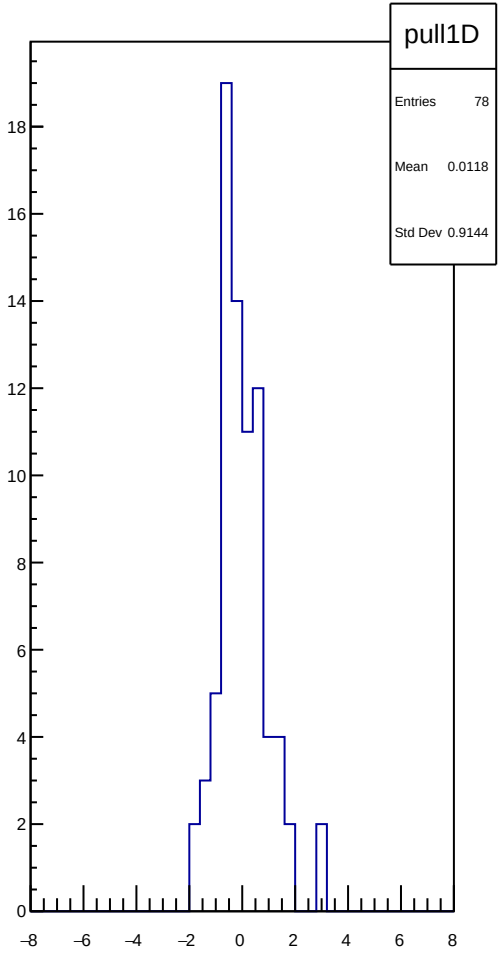

dit_asym_sam2_rms vs run
χ^2 / ndf 2748 / 77
p0 296 ± 0.2442
330
320
310
300
290
280
270

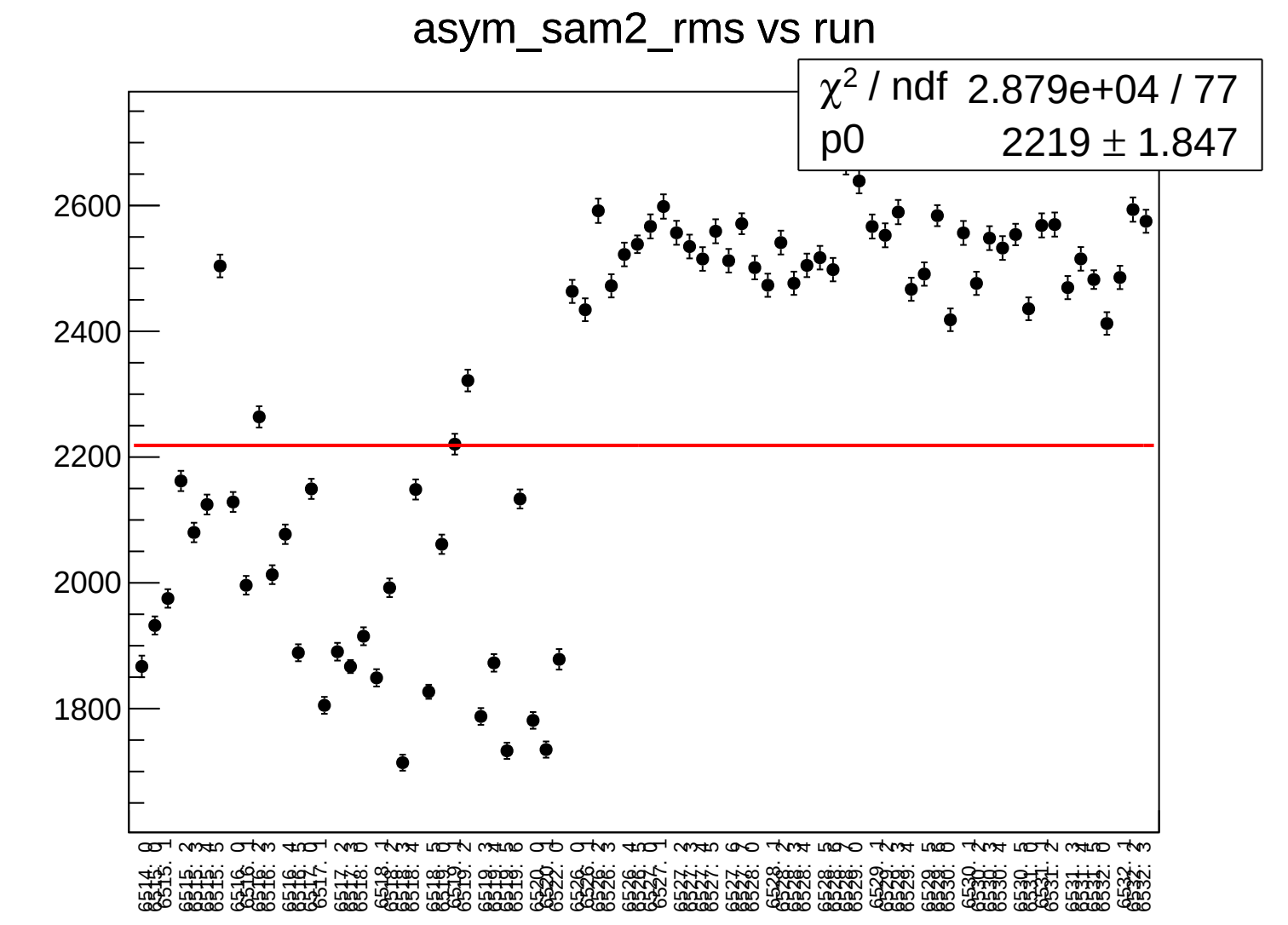

asym_sam2_correction_mean vs run
×10^3
χ² / ndf 61.86 / 77
p0 2306 ± 2648
pull
Entries 78
Mean −144.1
Std Dev 176.3

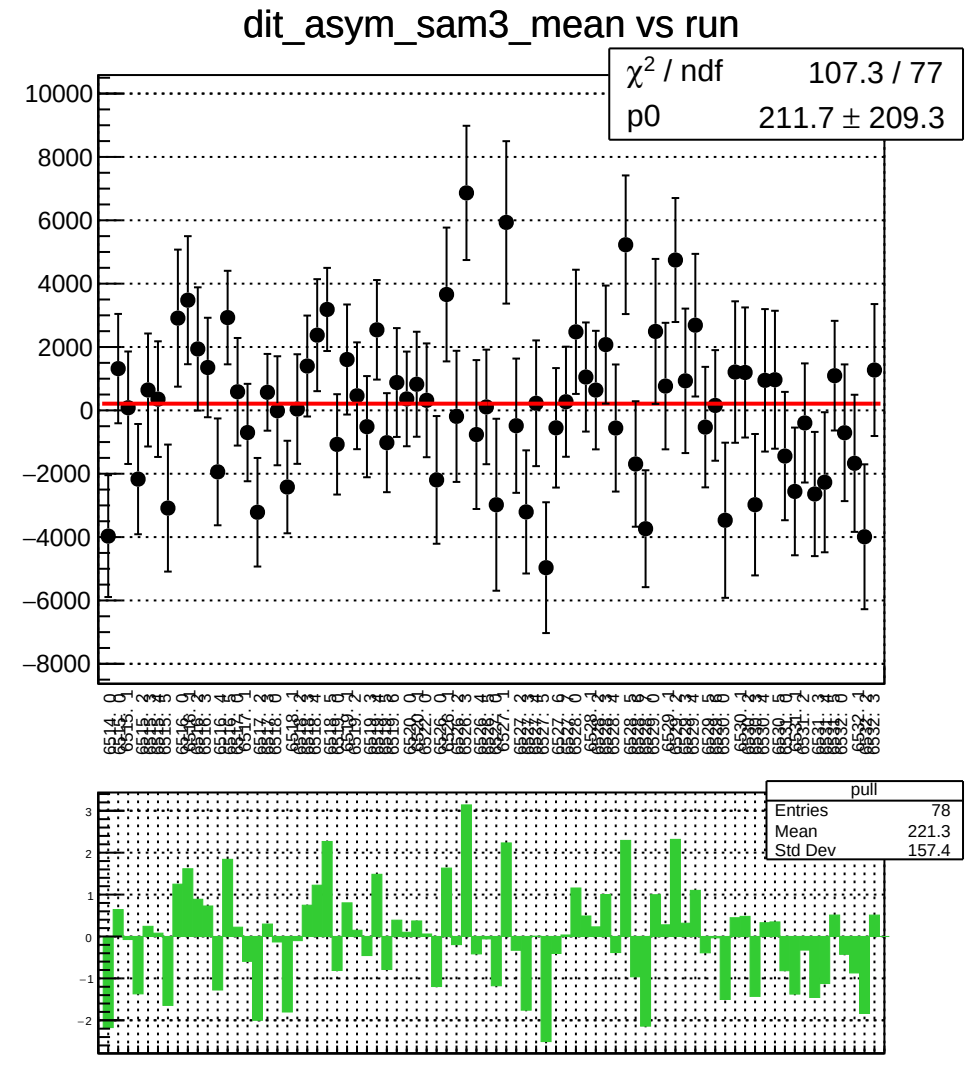

pull1D
Entries 78
Mean −0.01637
Std Dev 0.8904

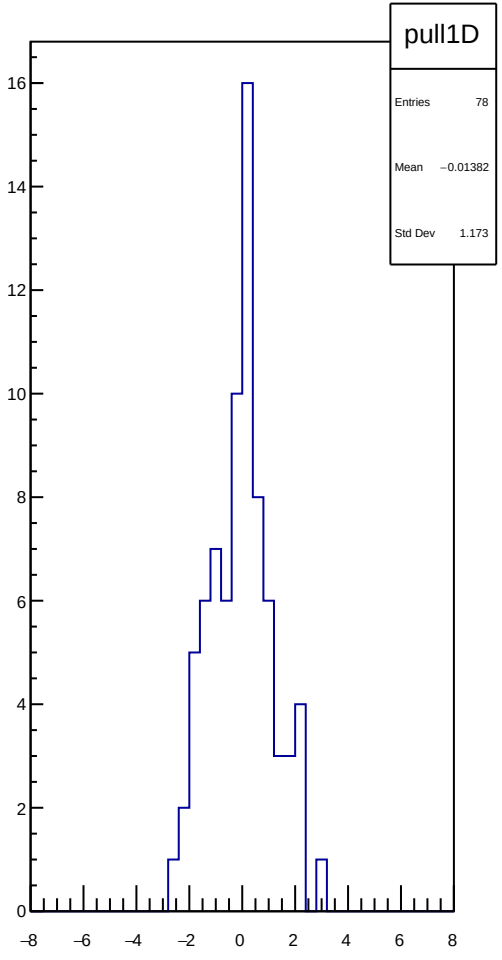

asym_sam2_correction_rms vs run
χ² / ndf 2.356e+04 / 77
p0 2253 ± 1.873
2600
2400
2200
2000
1800

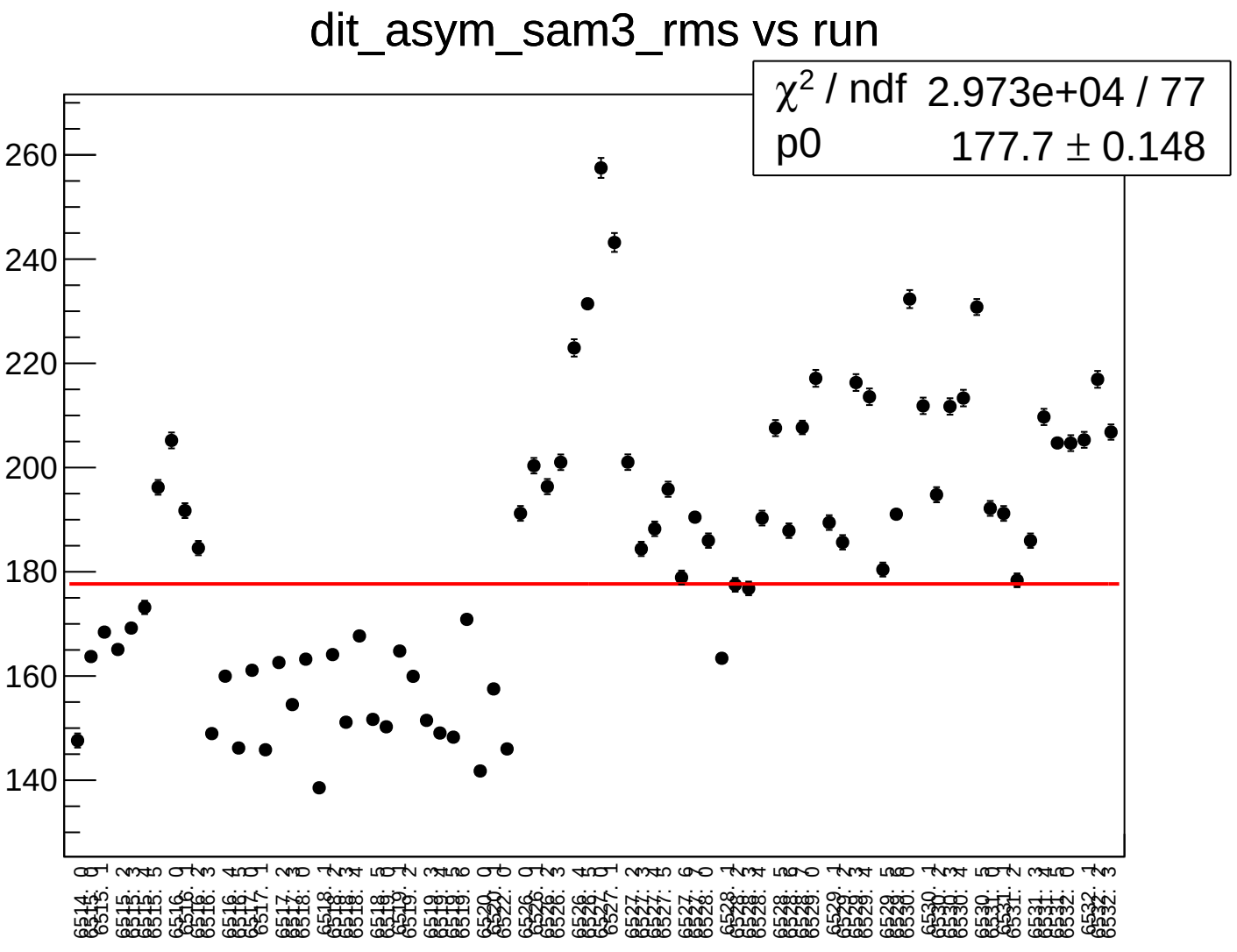

asym_sam2_mean vs run
×10^3
χ² / ndf 65.23 / 77
p0 −2257 ± 2612
pull
Entries 78
Mean −230.2
Std Dev 264

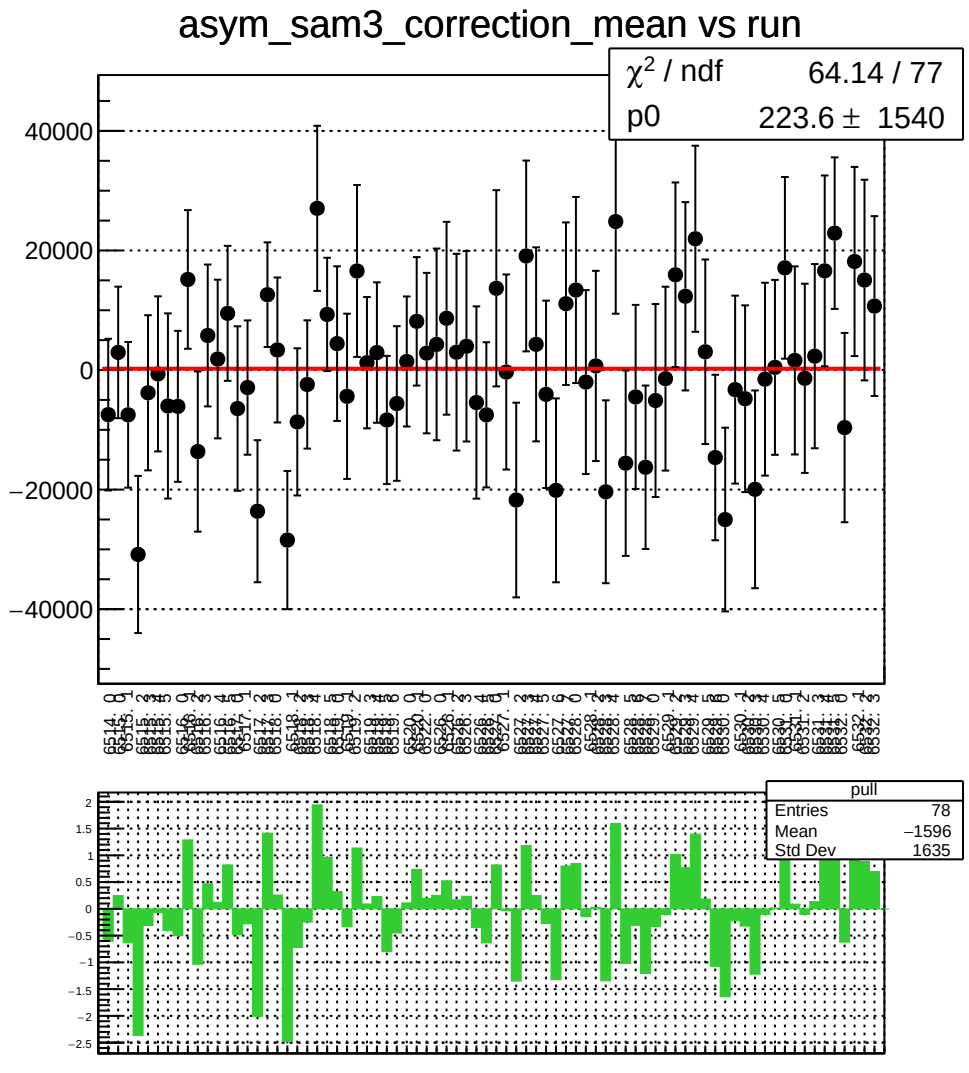

pull1D
Entries 78
Mean 0.0118
Std Dev 0.9144

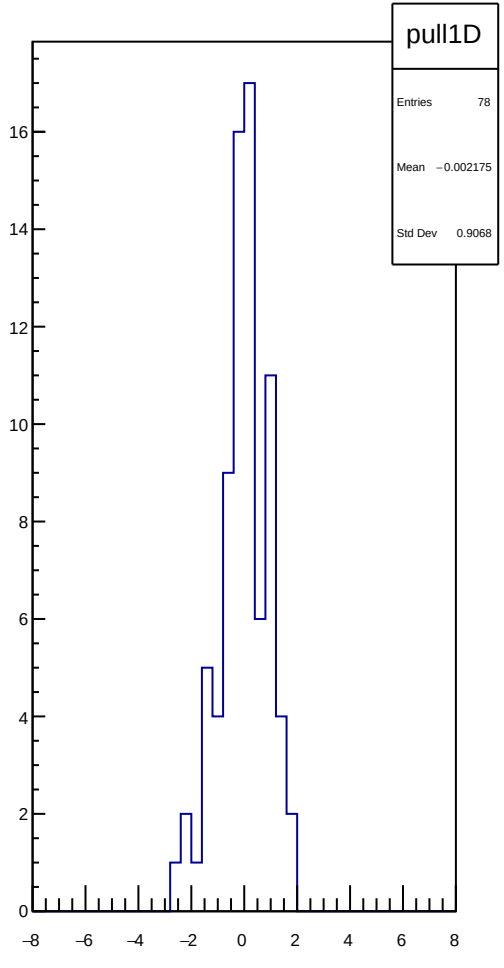

asym_sam2_rms vs run
χ² / ndf 2.879e+04 / 77
p0 2219 ± 1.847
2600
2400
2200
2000
1800

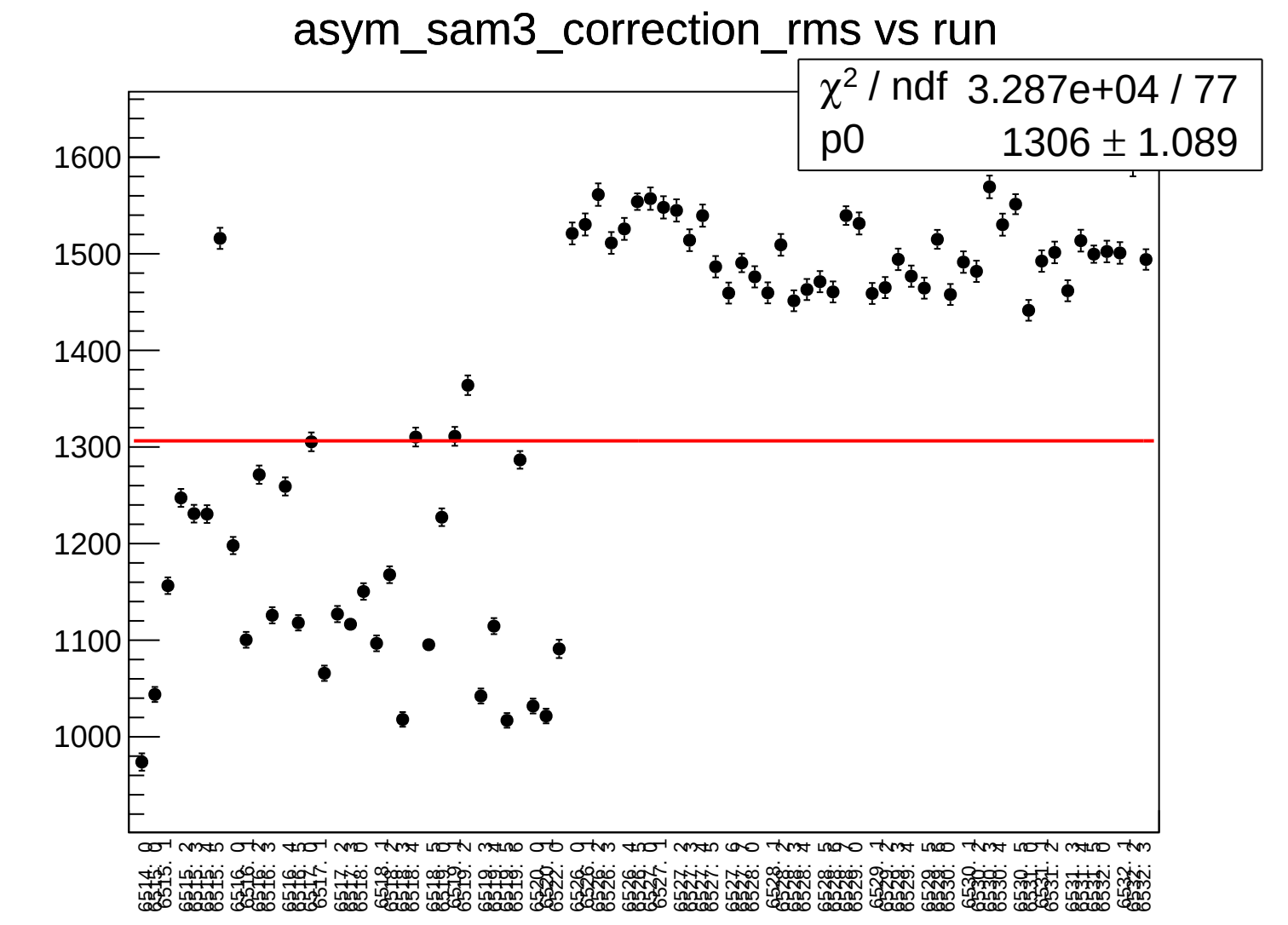

dit_asym_sam3_mean vs run
χ² / ndf 107.3 / 77
p0 211.7 ± 209.3
pull
Entries 78
Mean 221.3
Std Dev 157.4

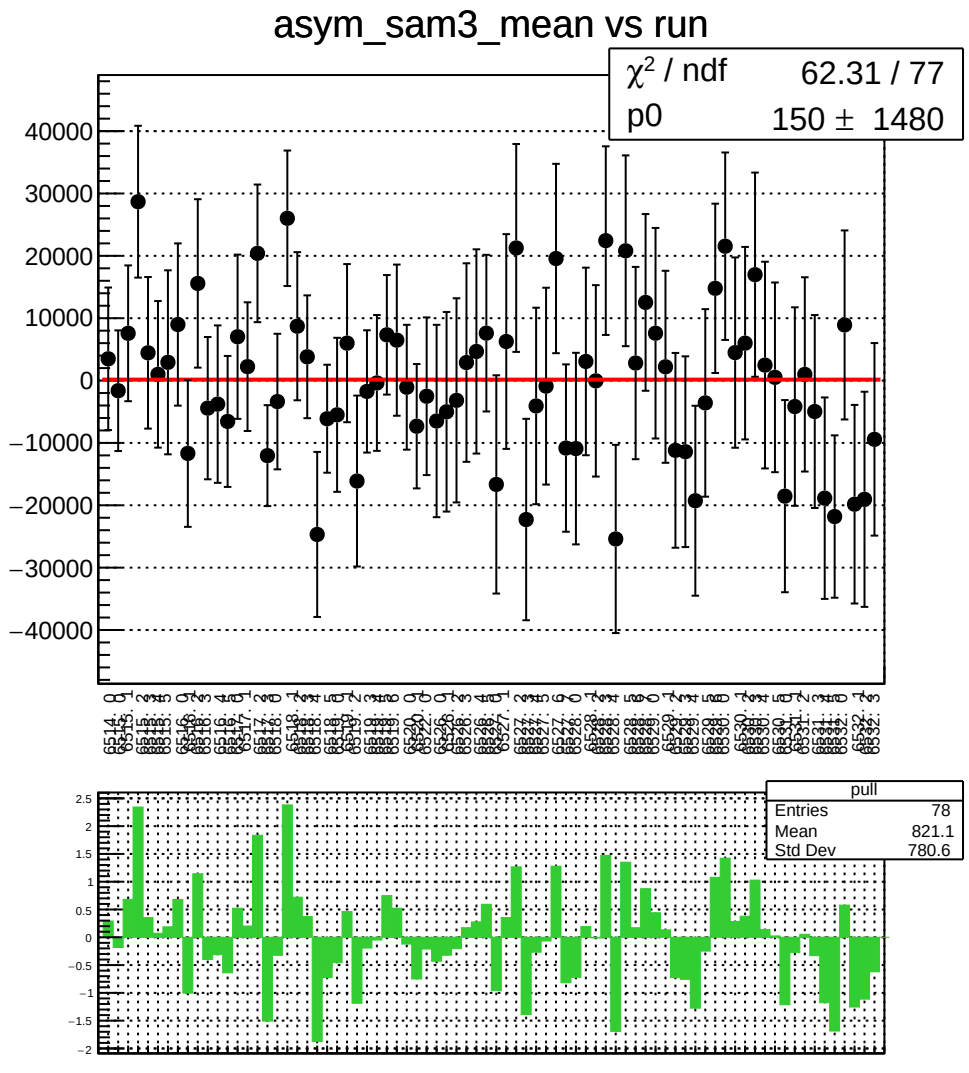

pull1D
Entries 78
Mean −0.01382
Std Dev 1.173

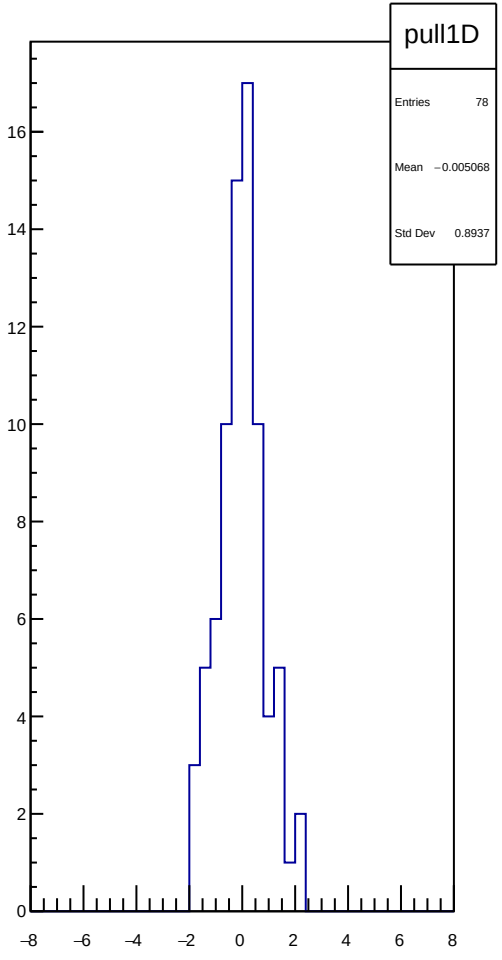

dit_asym_sam3_rms vs run
χ² / ndf 2.973e+04 / 77
p0 177.7 ± 0.148
260
240
220
200
180
160
140

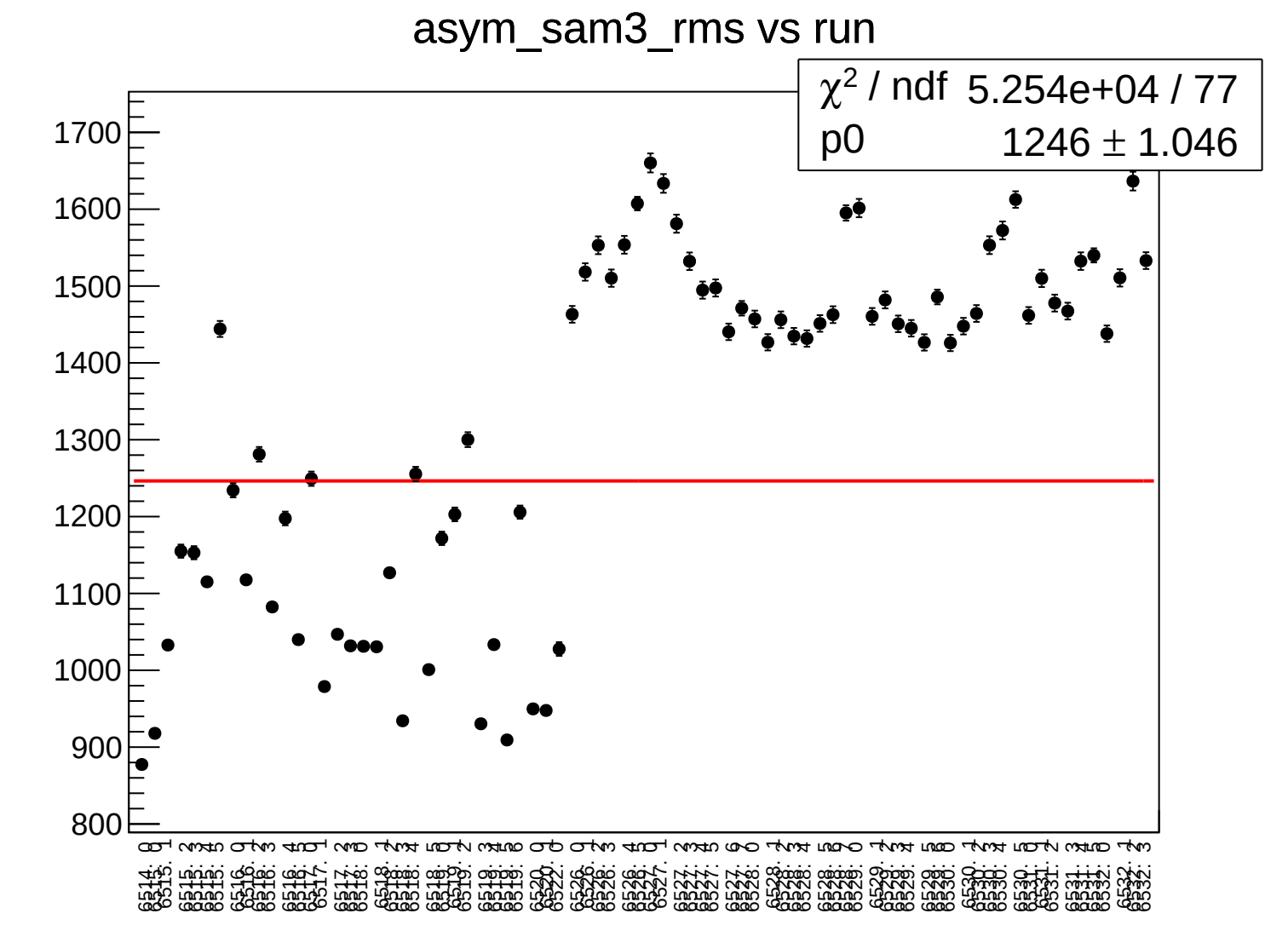

asym_sam3_correction_mean vs run
χ² / ndf 64.14 / 77
p0 223.6 ± 1540
40000
20000
0
−20000
−40000
pull
Entries 78
Mean −1596
Std Dev 1635
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

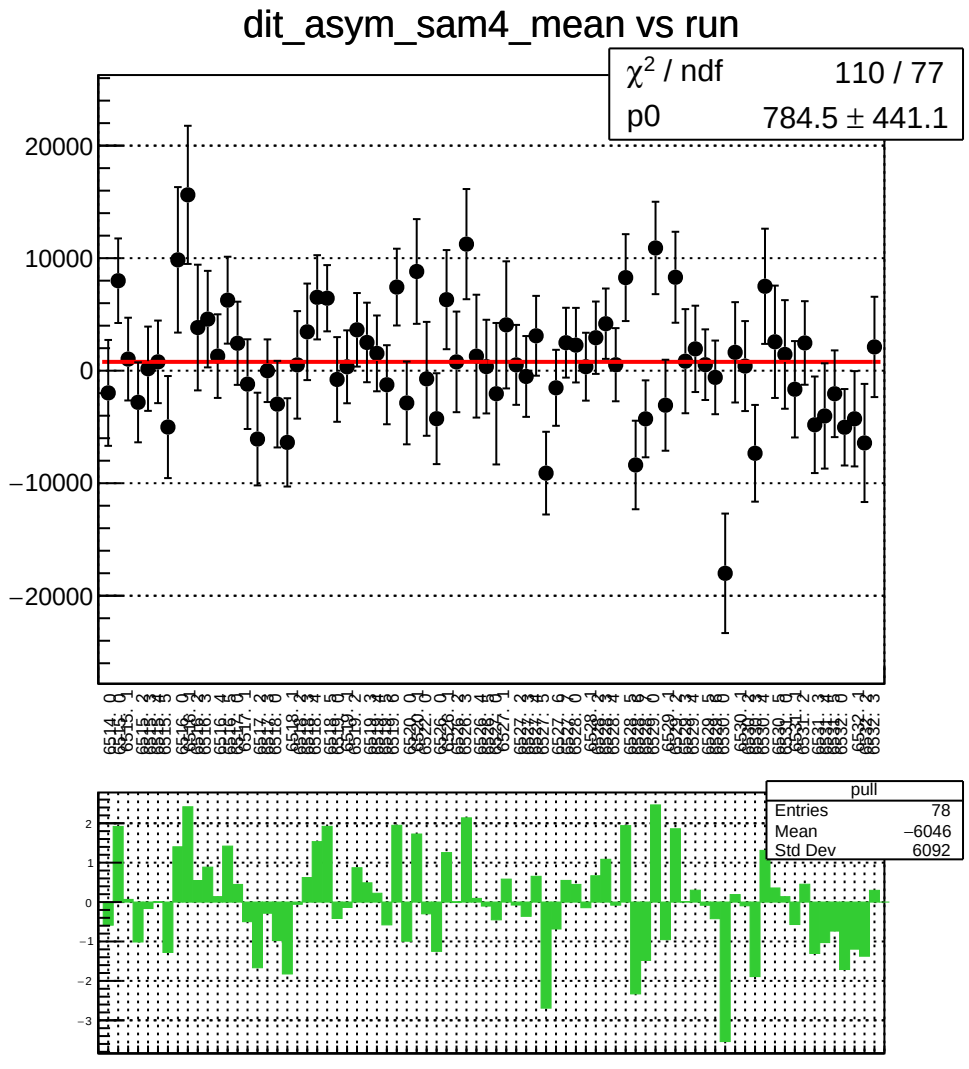

pull1D
Entries 78
Mean −0.002175
Std Dev 0.9068
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

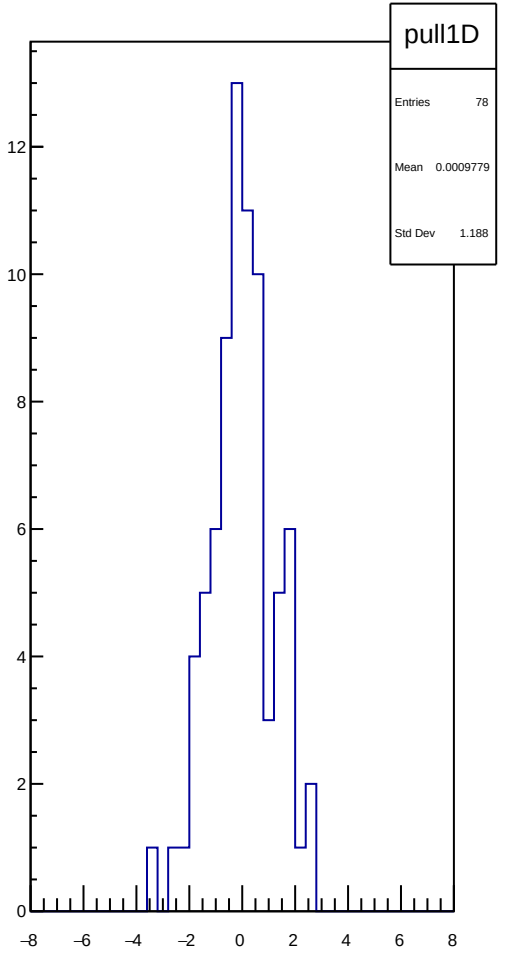

asym_sam3_correction_rms vs run
χ² / ndf 3.287e+04 / 77
p0 1306 ± 1.089
1600
1500
1400
1300
1200
1100
1000

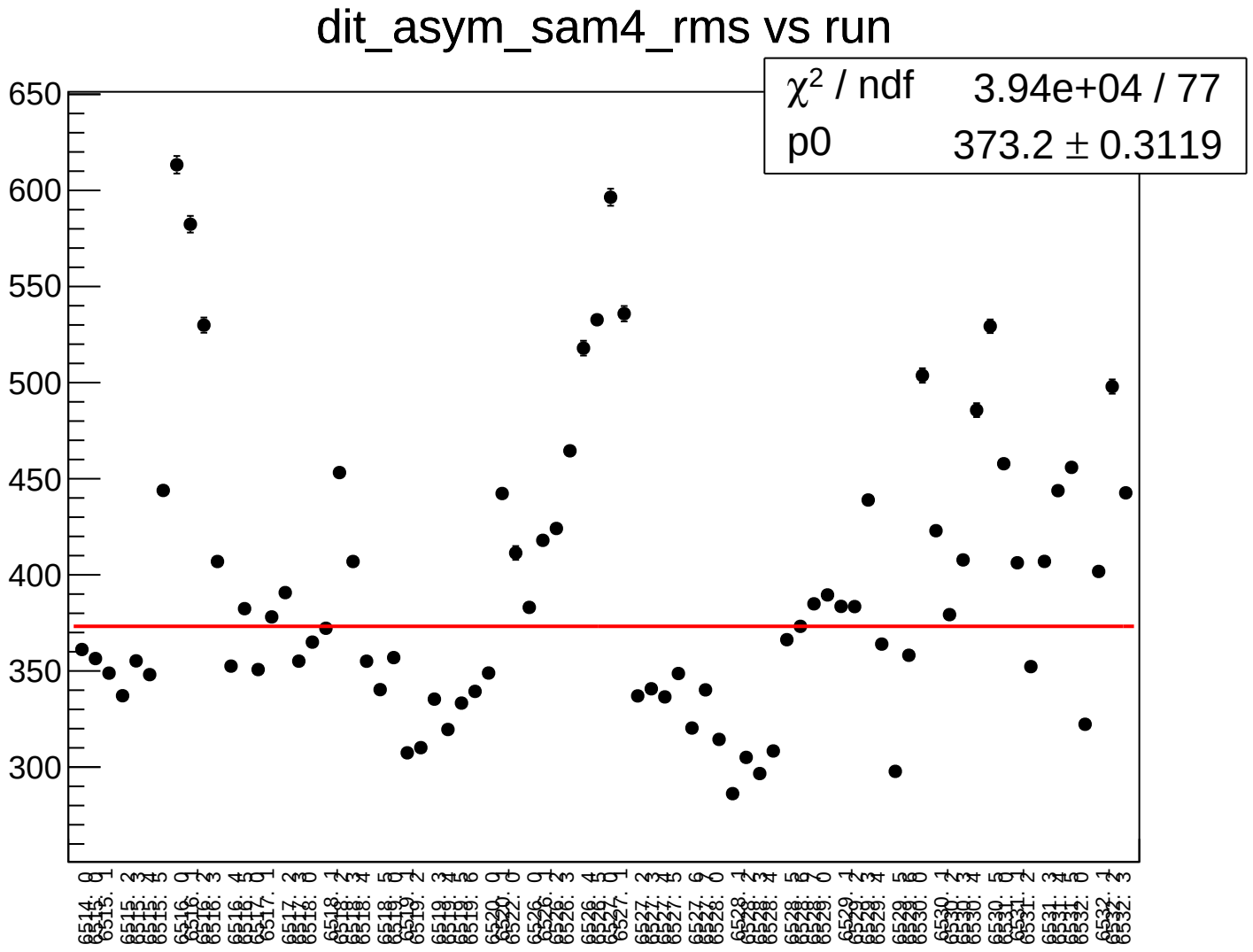

asym_sam3_mean vs run
χ² / ndf 62.31 / 77
p0 150 ± 1480
pull
Entries 78
Mean 821.1
Std Dev 780.6

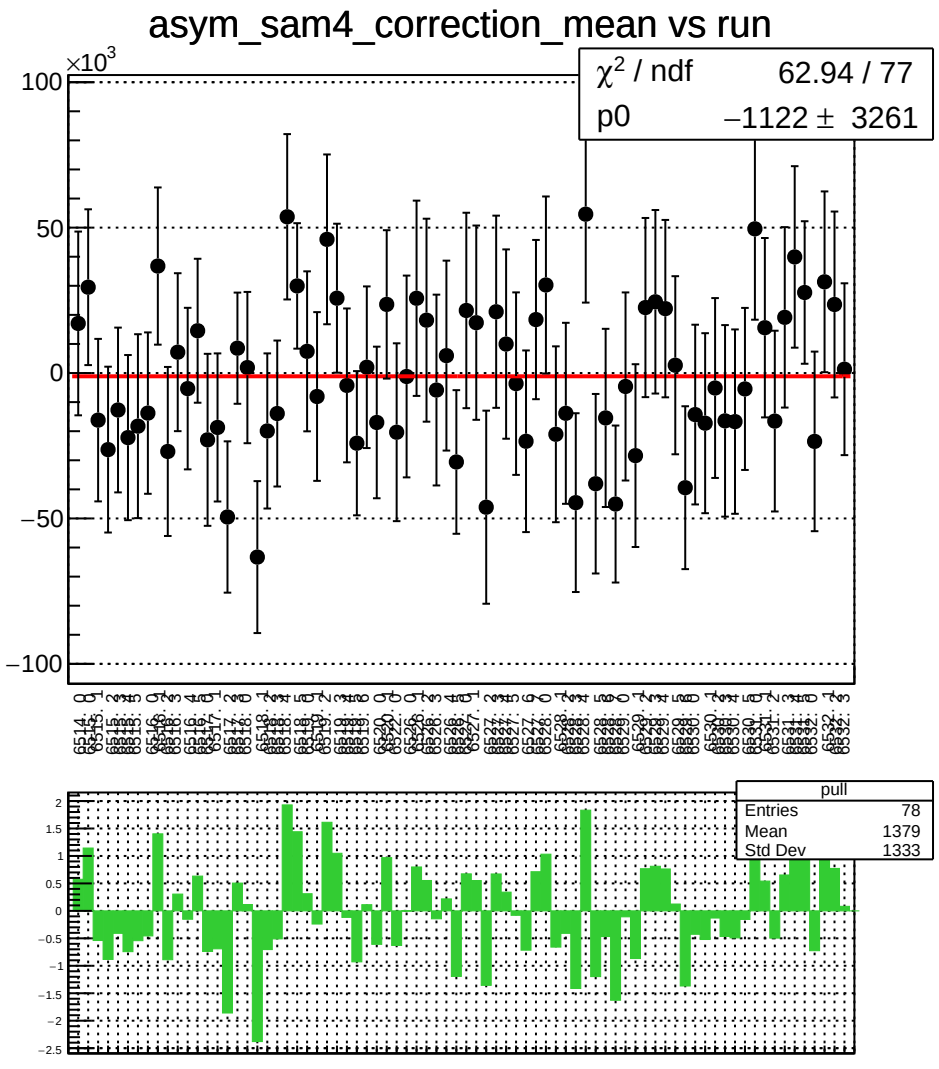

pull1D
Entries 78
Mean −0.005068
Std Dev 0.8937

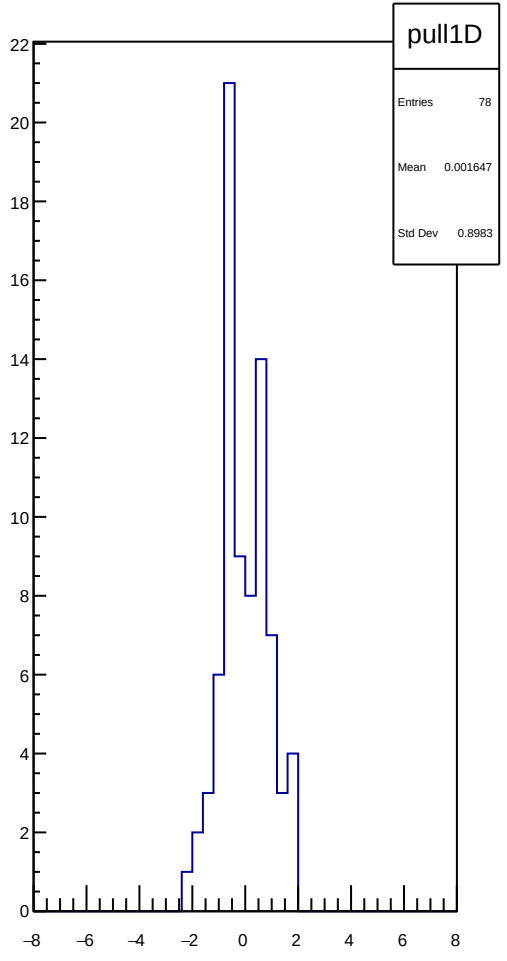

asym_sam3_rms vs run
χ² / ndf 5.254e+04 / 77
p0 1246 ± 1.046
1700
1600
1500
1400
1300
1200
1100
1000
900
800

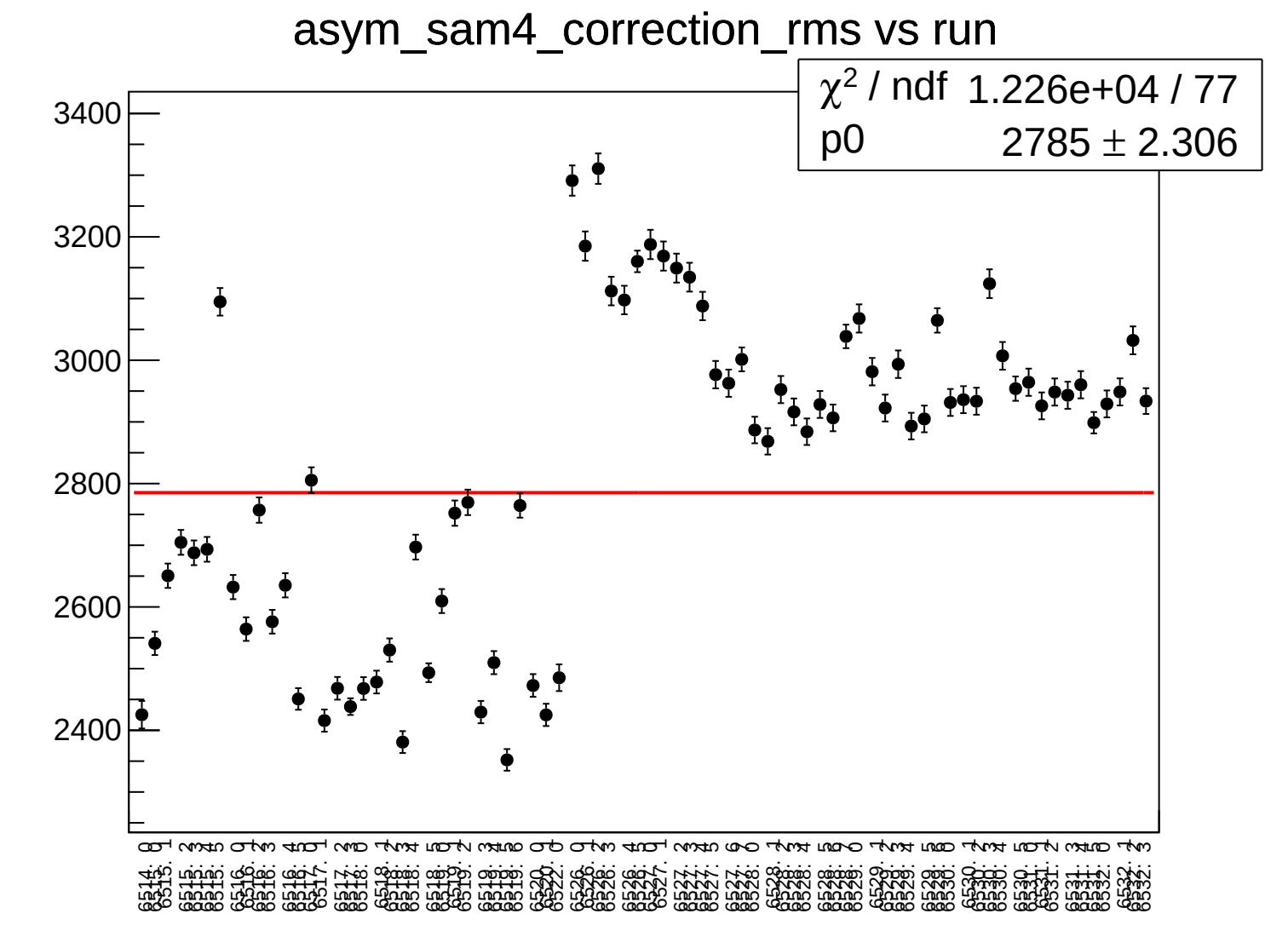

dit_asym_sam4_mean vs run
χ² / ndf 110 / 77
p0 784.5 ± 441.1
20000
10000
0
−10000
−20000
pull
Entries 78
Mean −6046
Std Dev 6092
2
1
0
−1
−2
−3

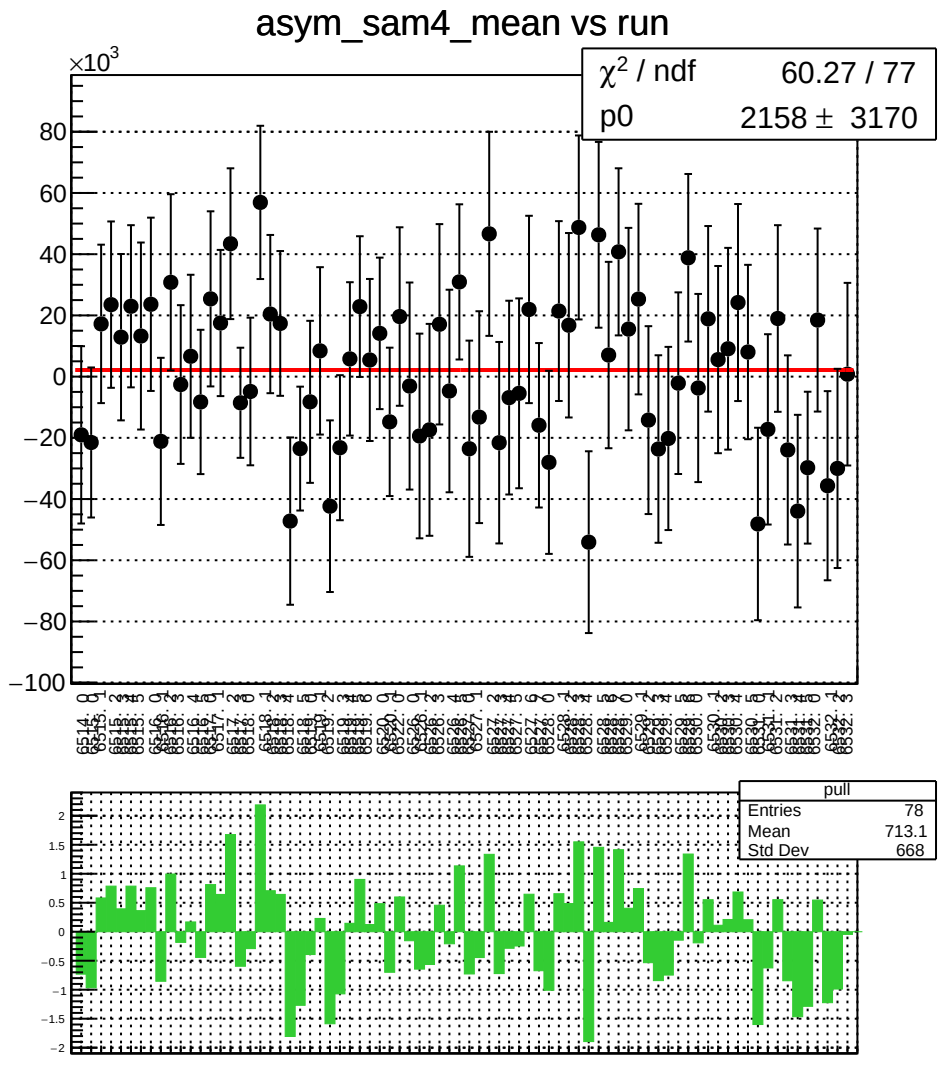

pull1D
Entries 78
Mean 0.0009779
Std Dev 1.188
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

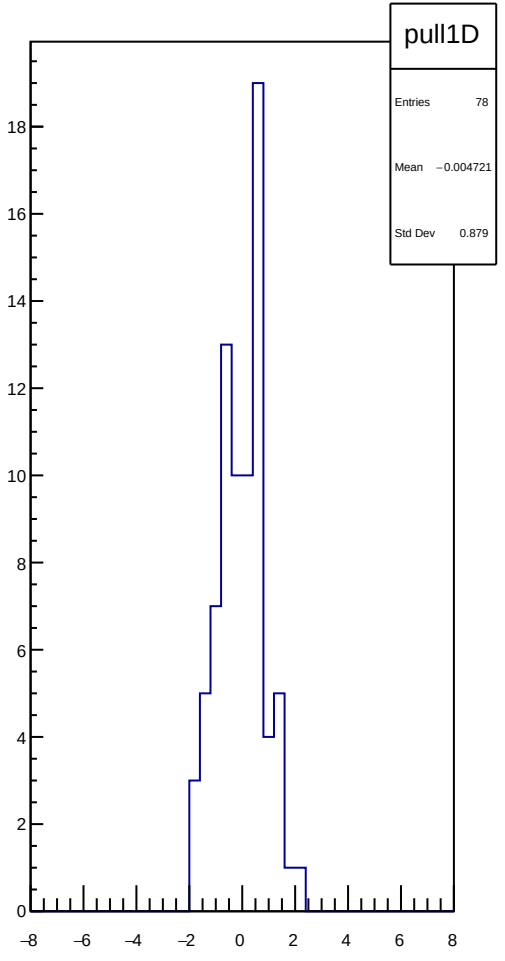

dit_asym_sam4_rms vs run
χ² / ndf 3.94e+04 / 77
p0 373.2 ± 0.3119
650
600
550
500
450
400
350
300

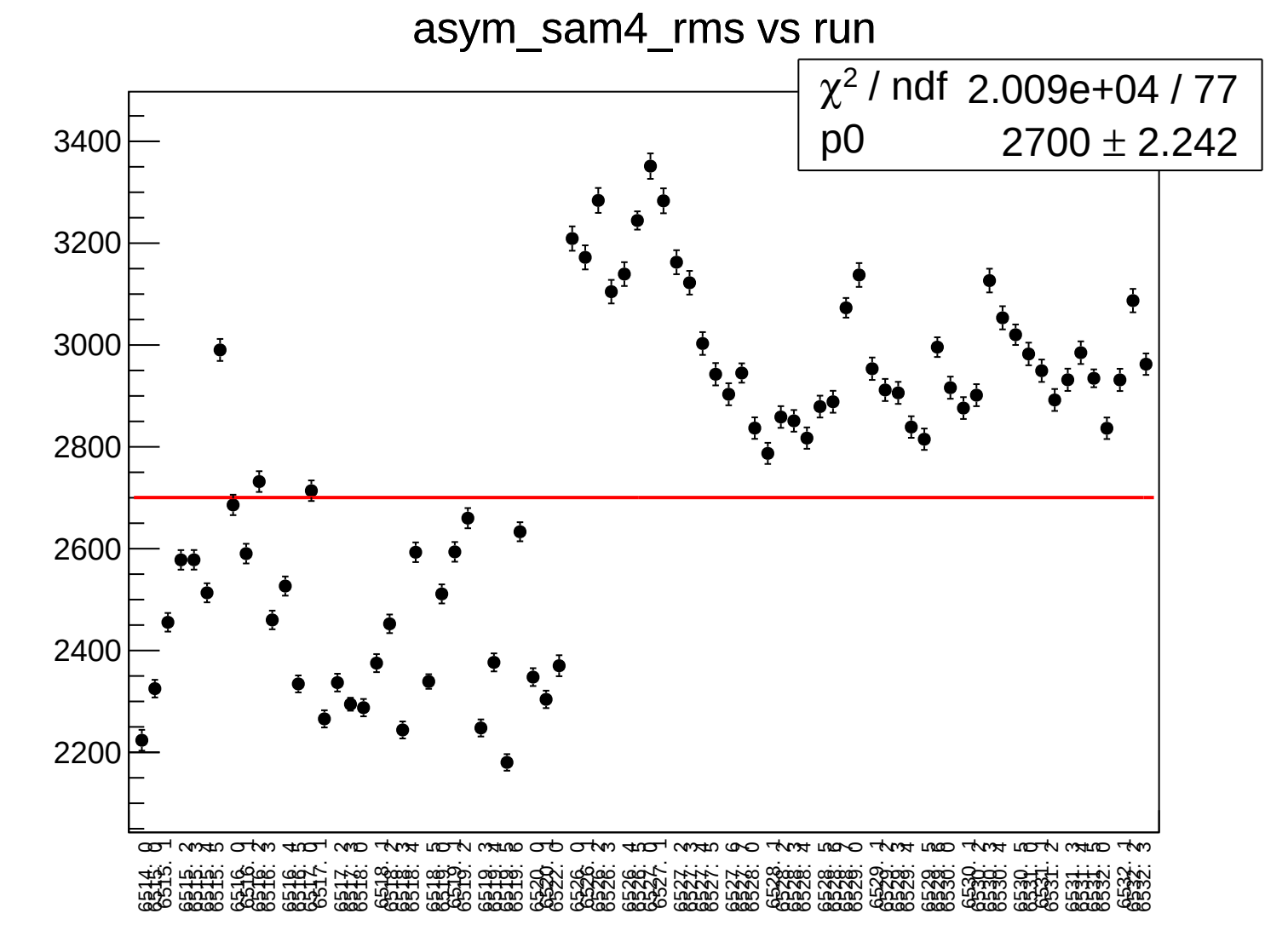

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 62.94 / 77
p0 −1122 ± 3261
100
50
0
−50
−100
pull
Entries 78
Mean 1379
Std Dev 1333
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

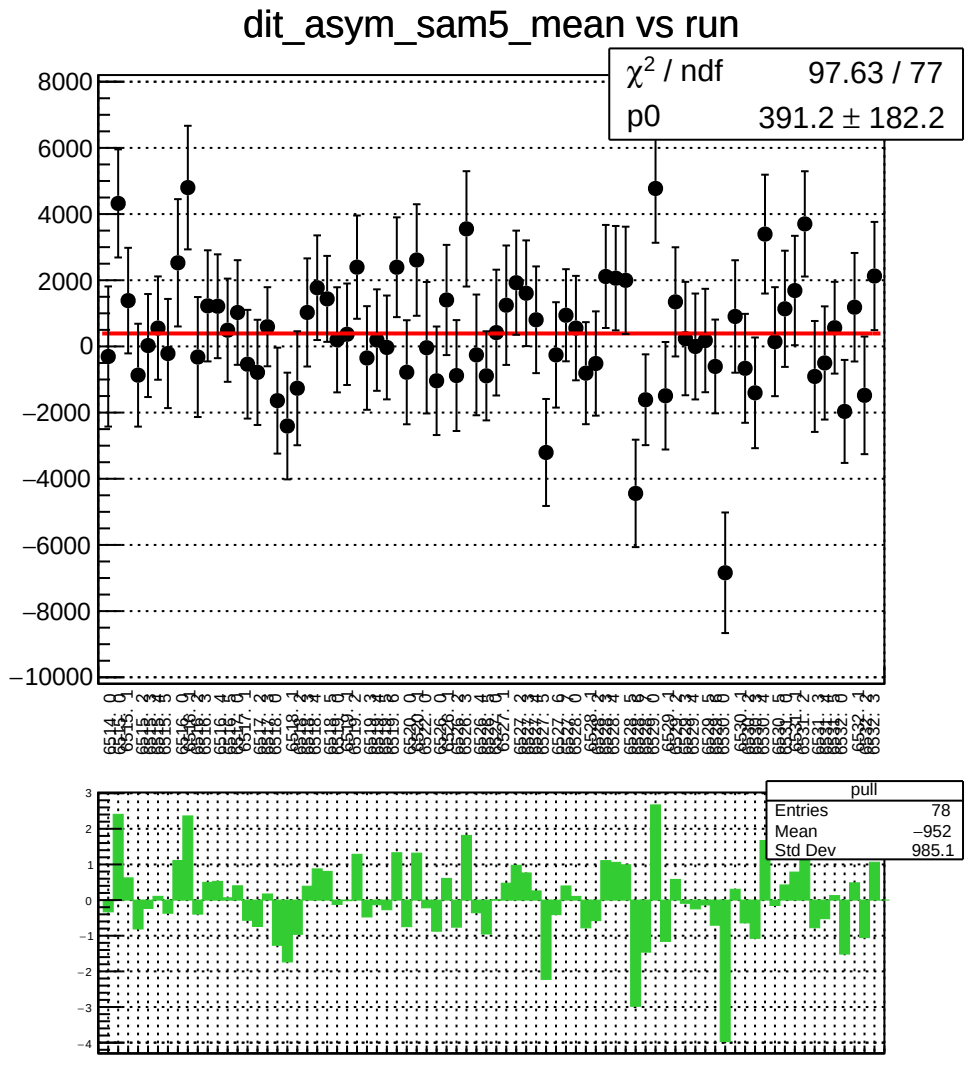

pull1D
Entries 78
Mean 0.001647
Std Dev 0.8983
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

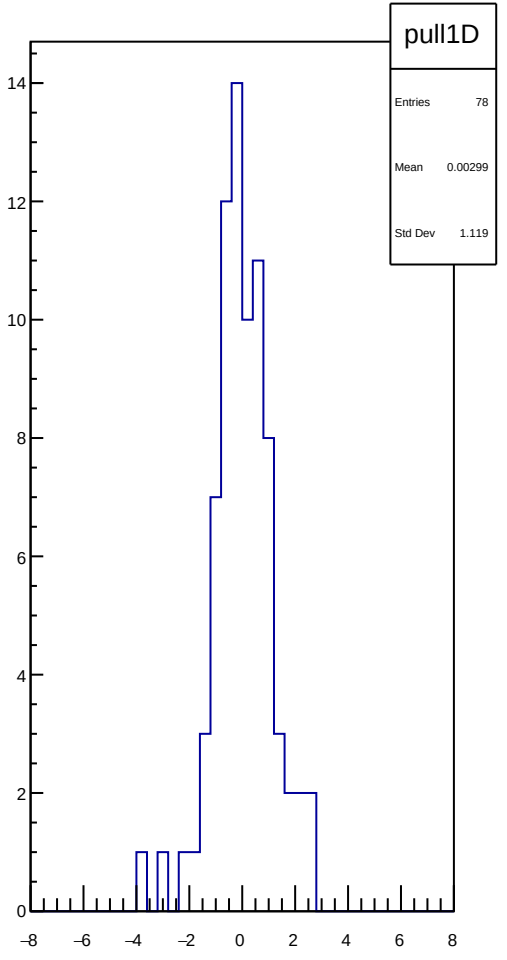

asym_sam4_correction_rms vs run
χ² / ndf 1.226e+04 / 77
p0 2785 ± 2.306
3400
3200
3000
2800
2600
2400

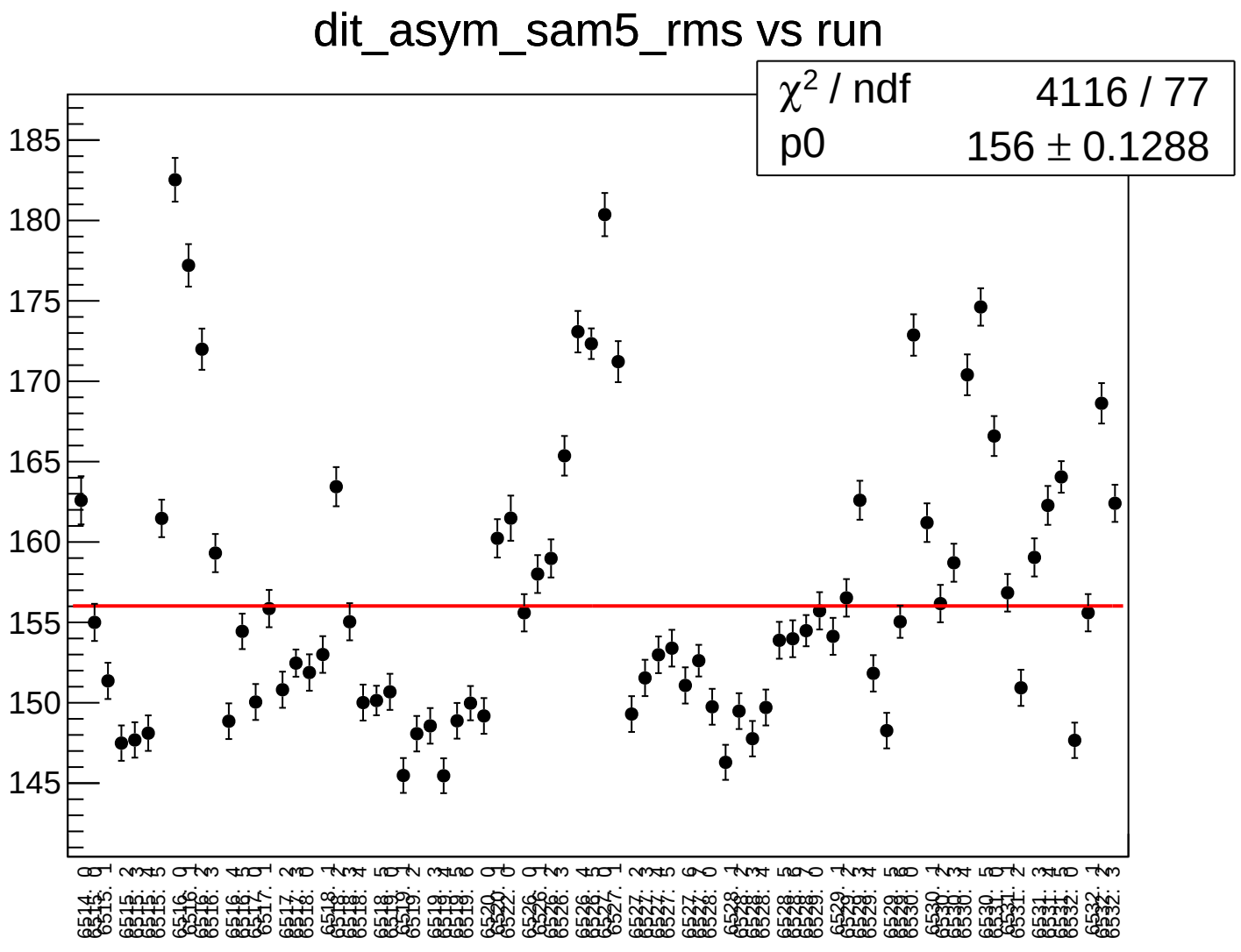

asym_sam4_mean vs run
×10^3
χ² / ndf 60.27 / 77
p0 2158 ± 3170
pull
Entries 78
Mean 713.1
Std Dev 668

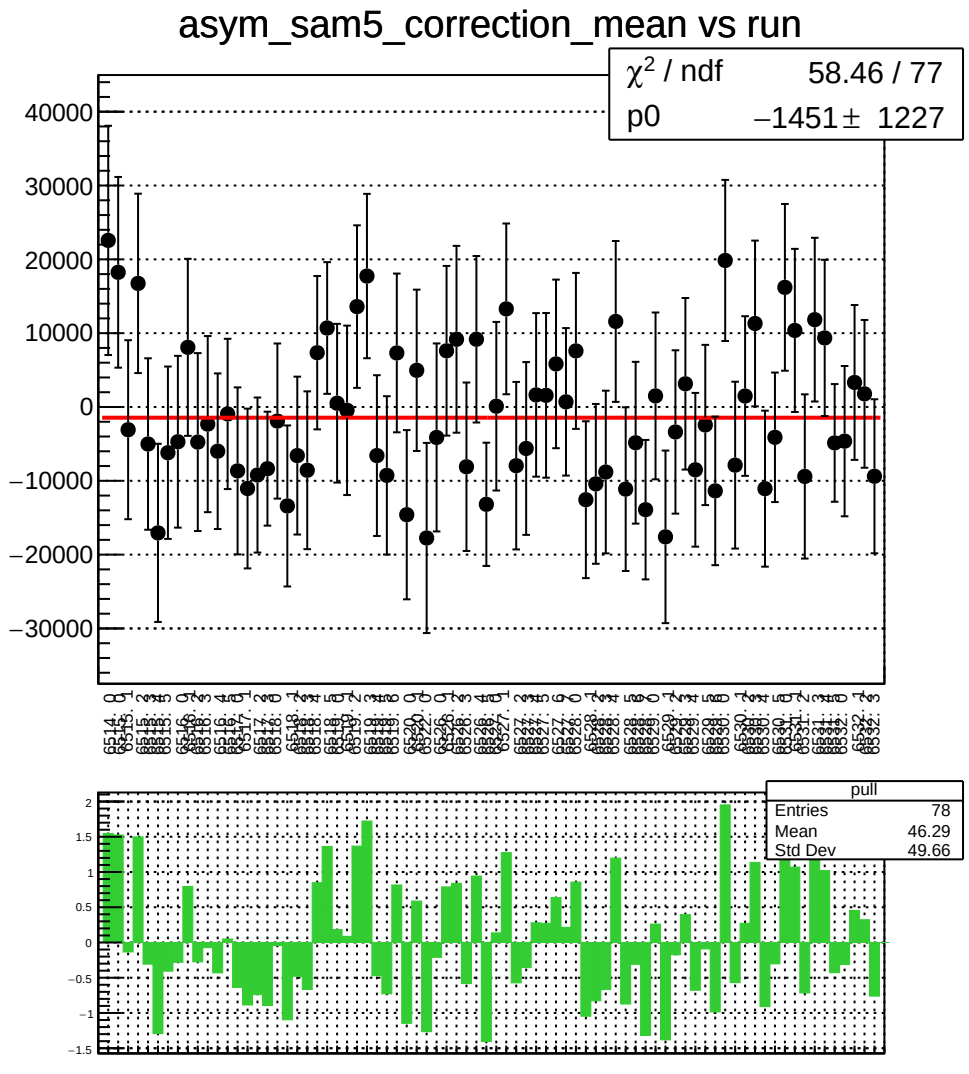

pull1D
Entries 78
Mean −0.004721
Std Dev 0.879

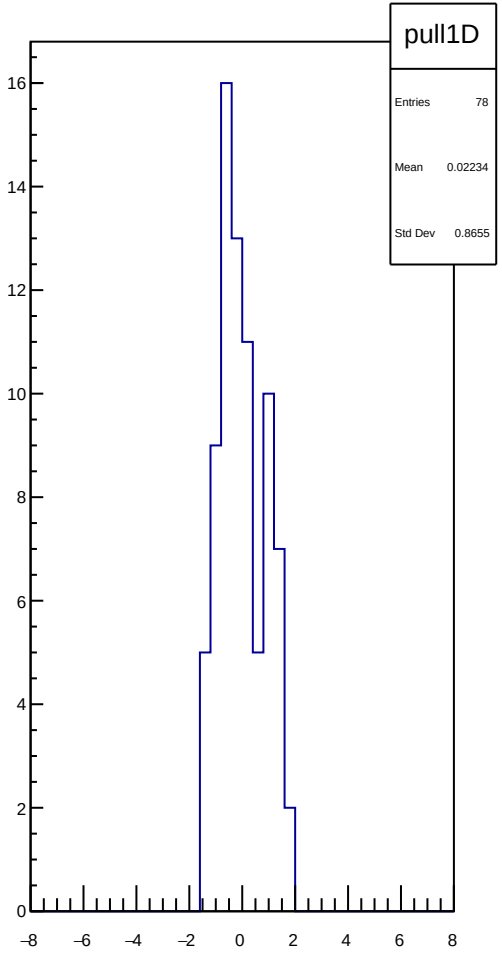

asym_sam4_rms vs run
χ² / ndf 2.009e+04 / 77
p0 2700 ± 2.242
3400
3200
3000
2800
2600
2400
2200

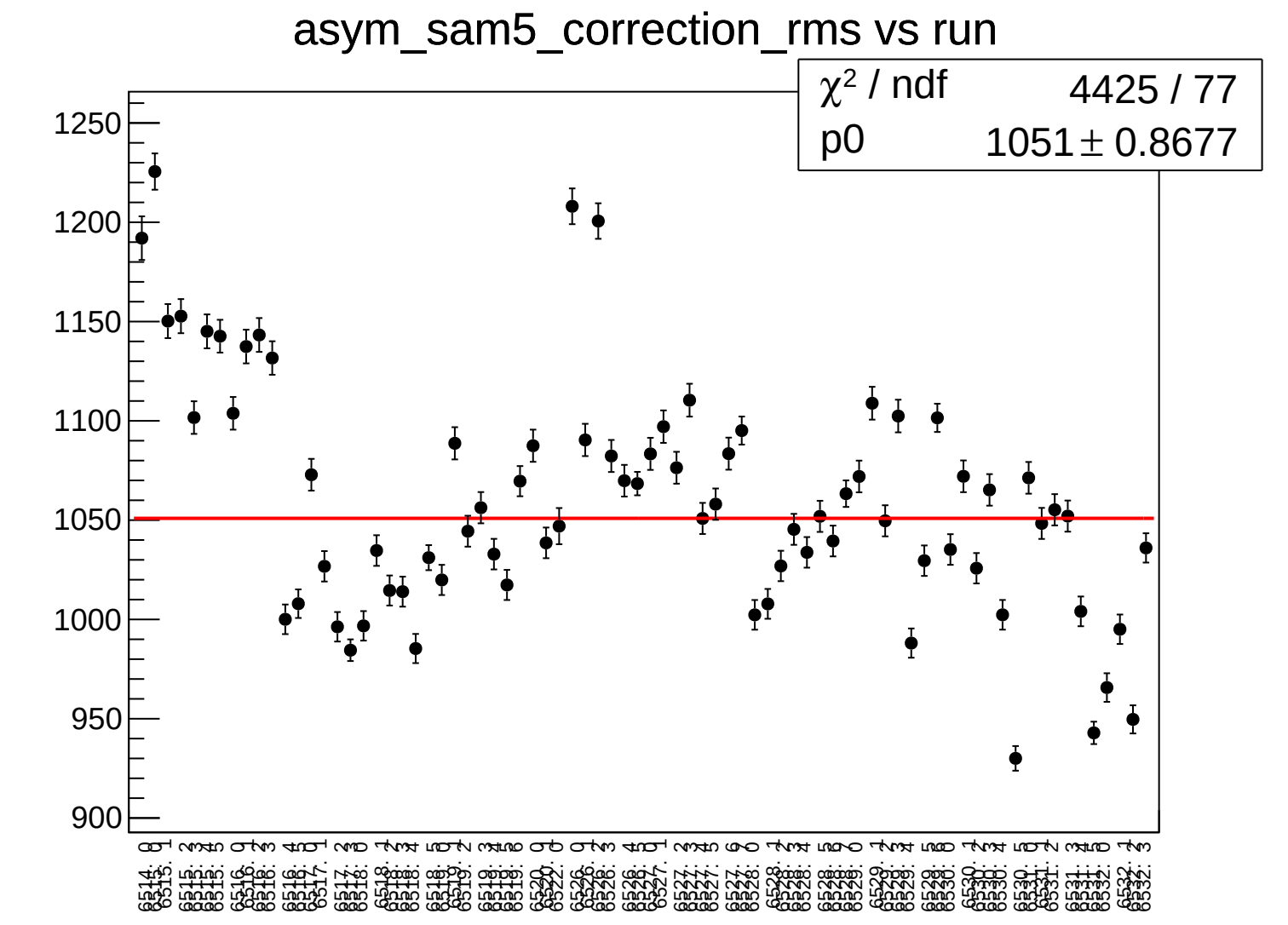

dit_asym_sam5_mean vs run
χ² / ndf 97.63 / 77
p0 391.2 ± 182.2
pull
Entries 78
Mean −952
Std Dev 985.1

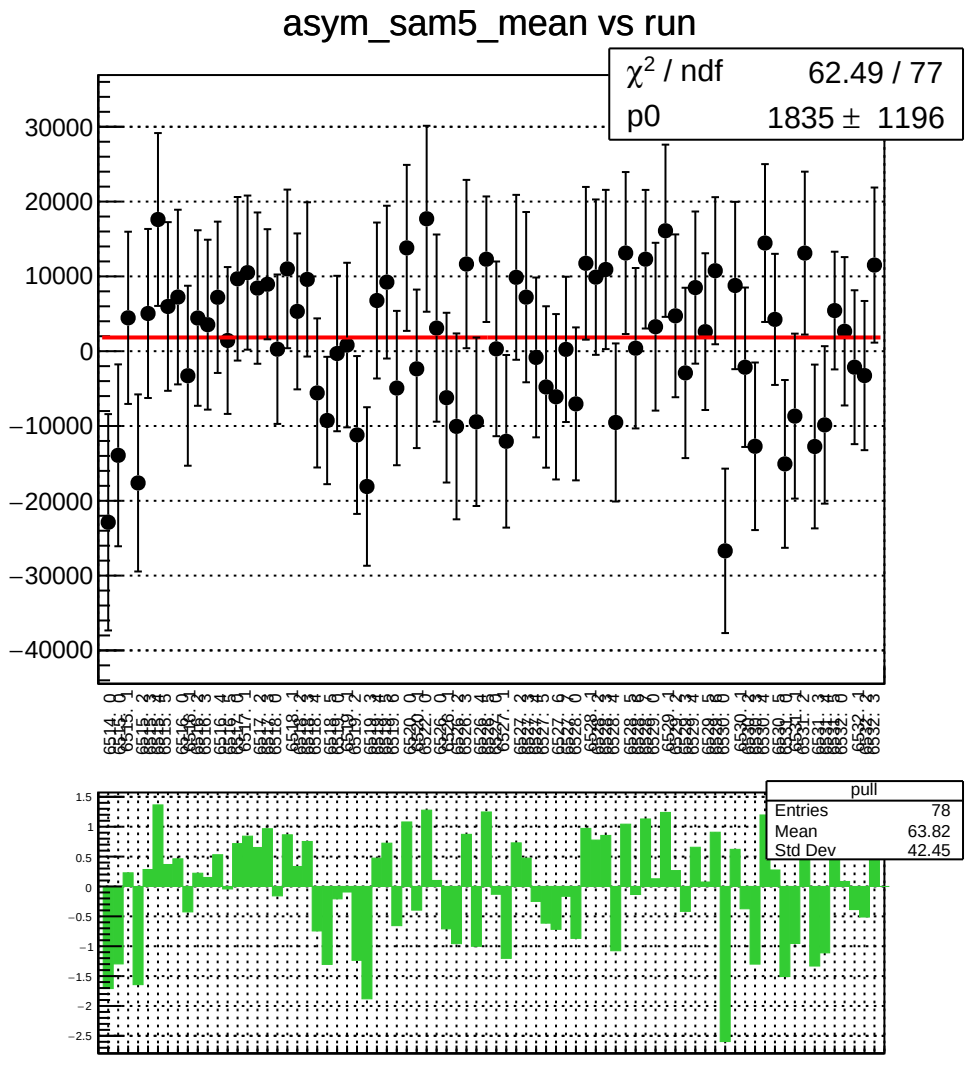

pull1D
Entries 78
Mean 0.00299
Std Dev 1.119

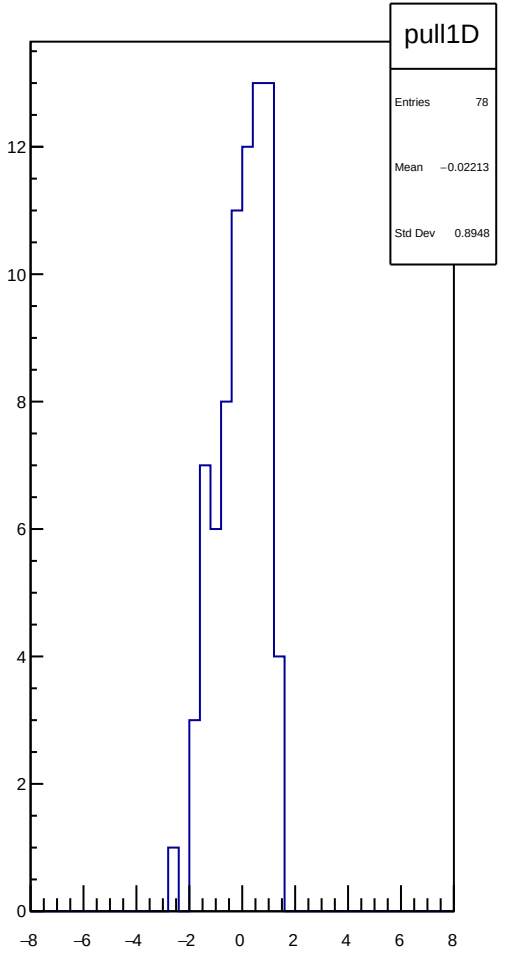

dit_asym_sam5_rms vs run
χ^2 / ndf 4116 / 77
p0 156 ± 0.1288
185
180
175
170
165
160
155
150
145

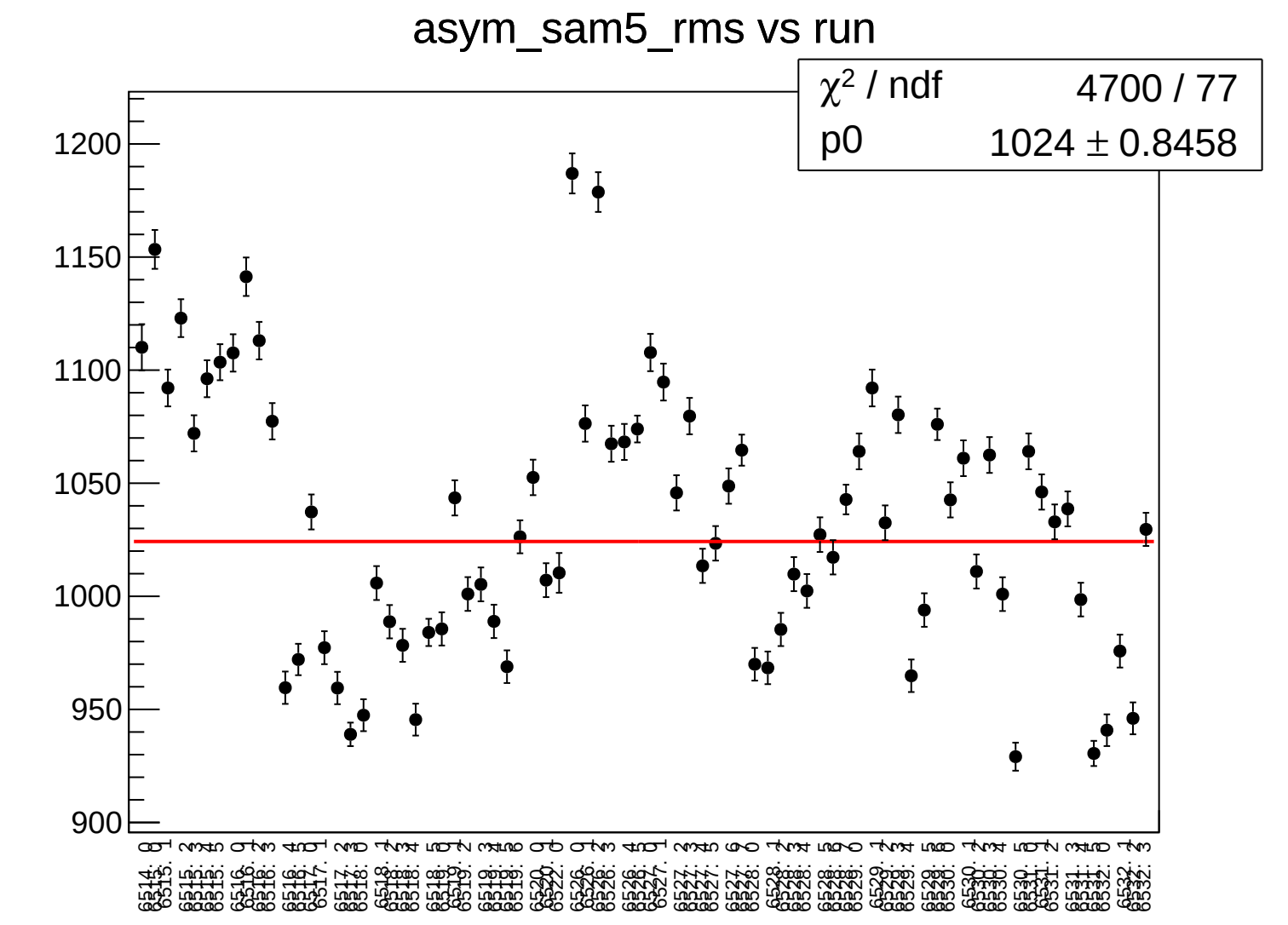

asym_sam5_correction_mean vs run
χ² / ndf 58.46 / 77
p0 −1451 ± 1227
pull
Entries 78
Mean 46.29
Std Dev 49.66

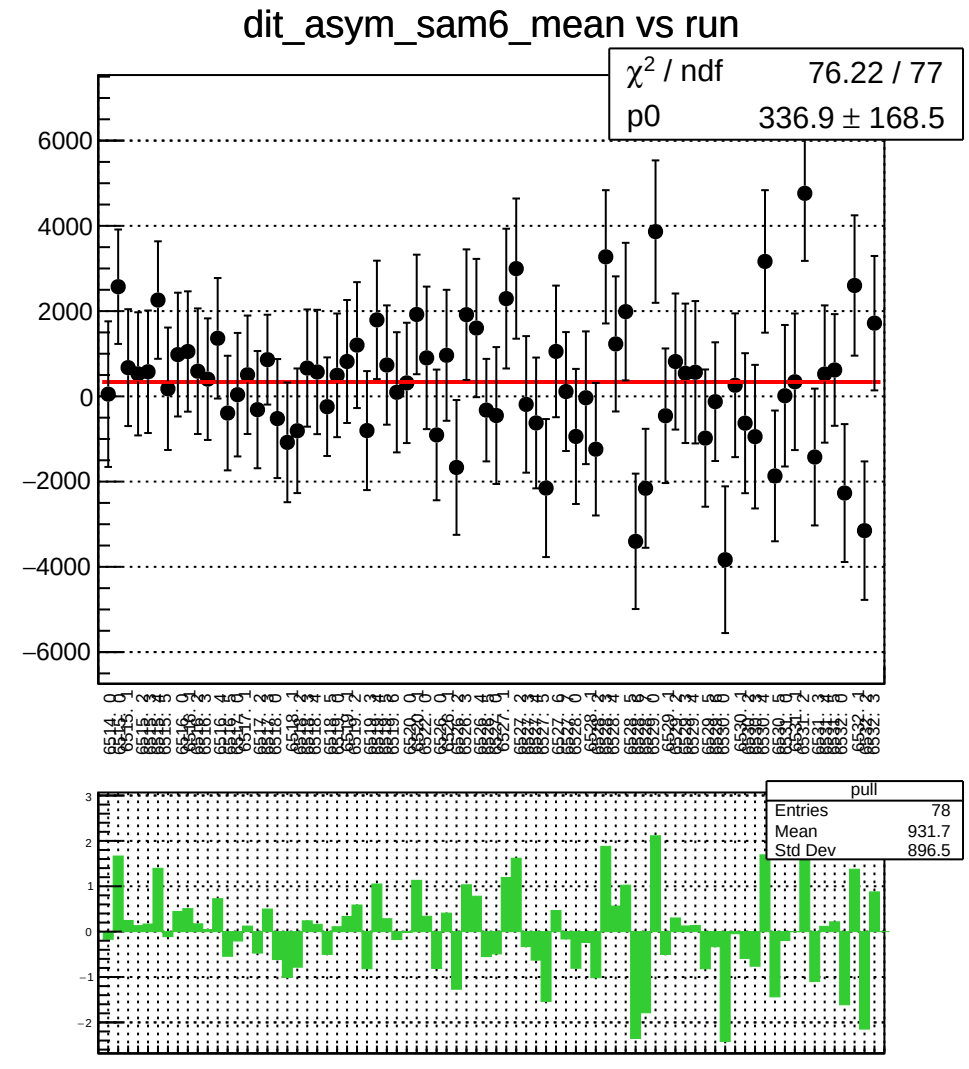

pull1D
Entries 78
Mean 0.02234
Std Dev 0.8655

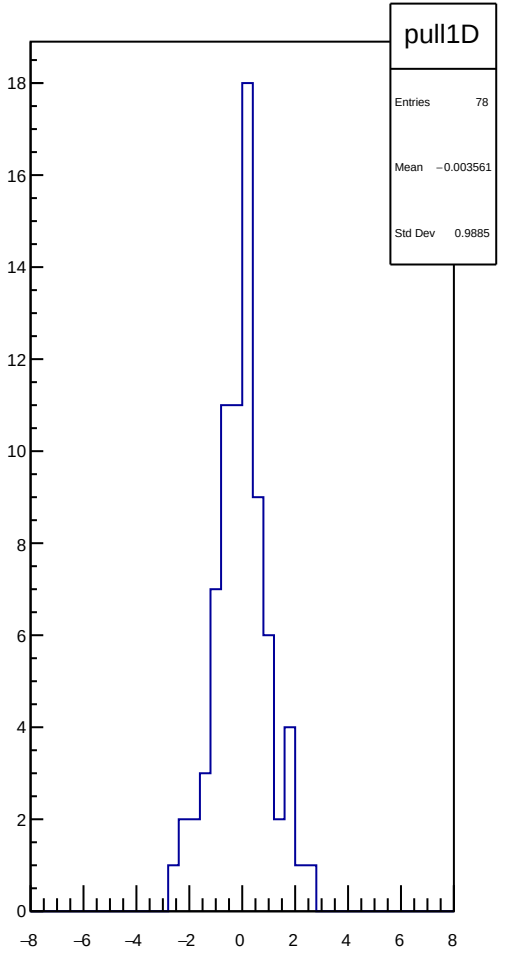

asym_sam5_correction_rms vs run
χ² / ndf 4425 / 77
p0 1051 ± 0.8677
1250
1200
1150
1100
1050
1000
950
900

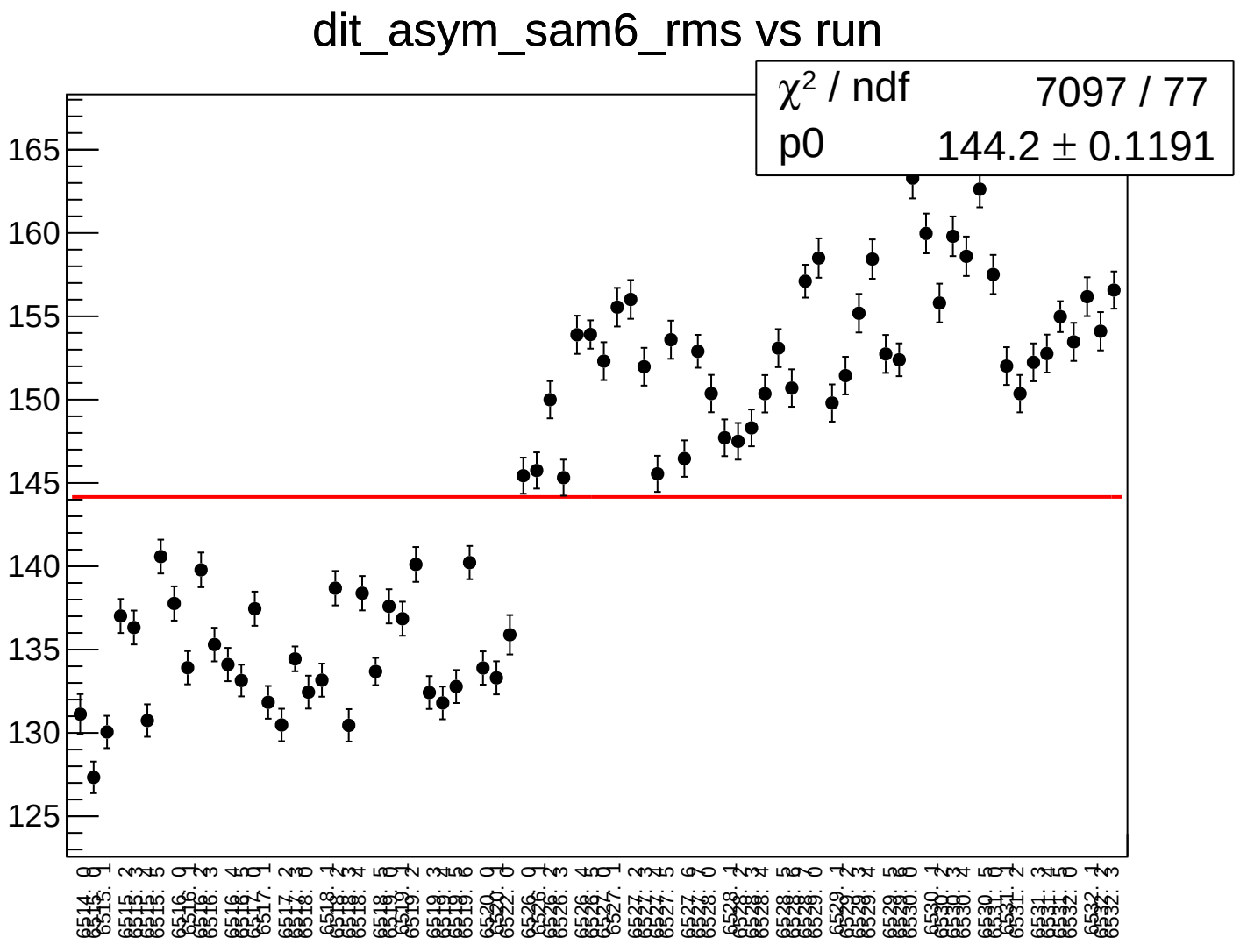

asym_sam5_mean vs run
χ² / ndf 62.49 / 77
p0 1835 ± 1196
pull
Entries 78
Mean 63.82
Std Dev 42.45

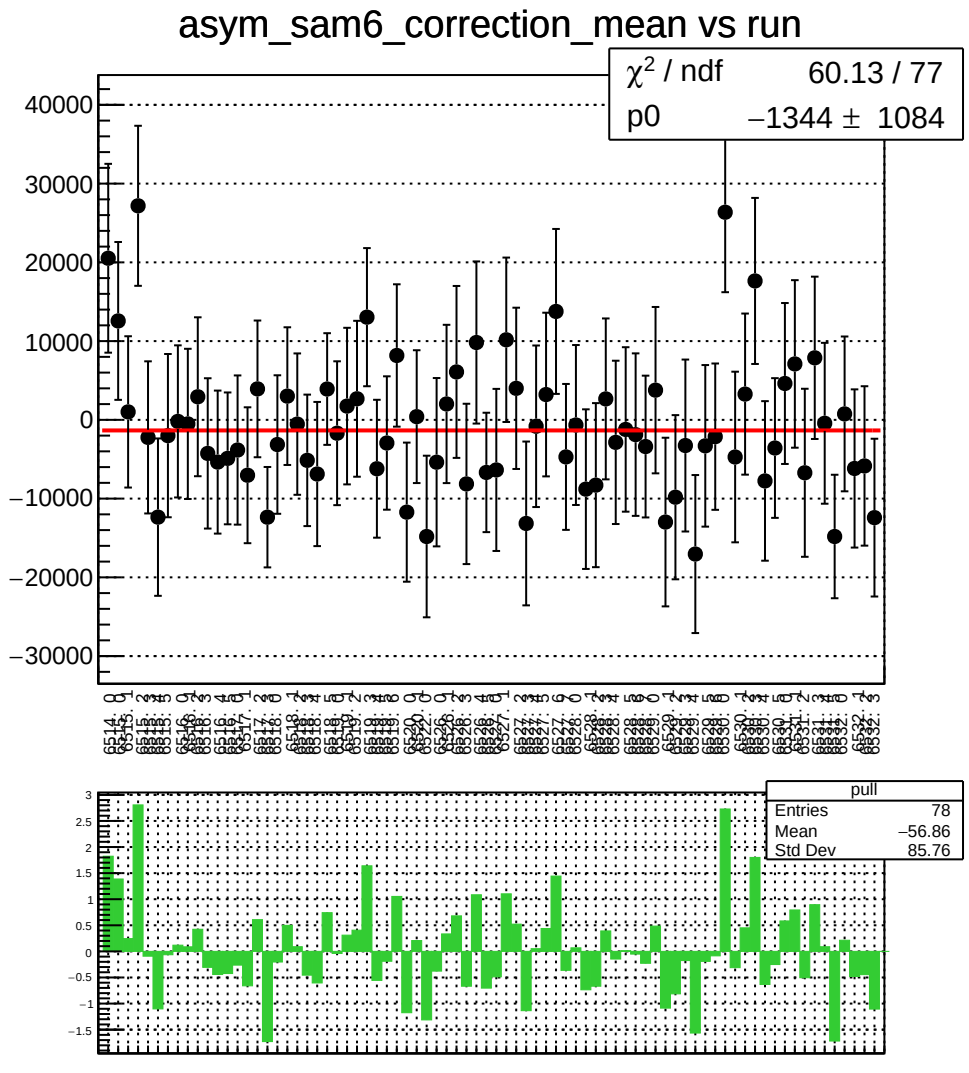

pull1D
Entries 78
Mean −0.02213
Std Dev 0.8948

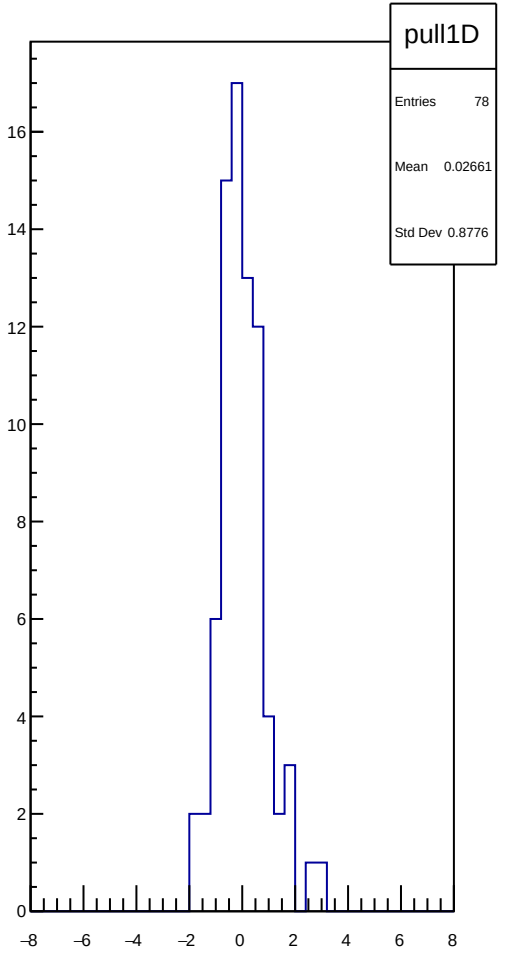

asym_sam5_rms vs run
χ² / ndf 4700 / 77
p0 1024 ± 0.8458
1200
1150
1100
1050
1000
950
900

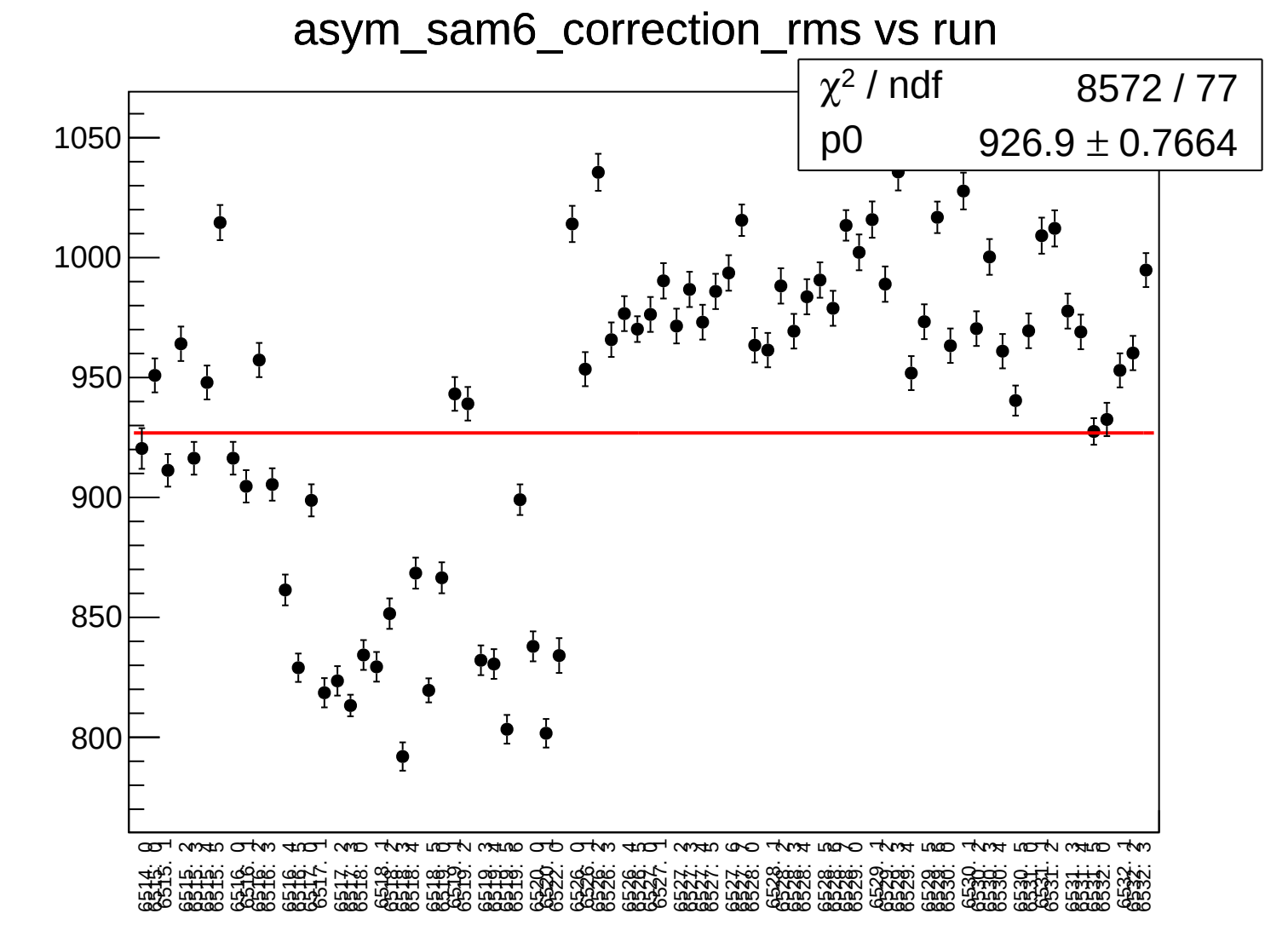

dit_asym_sam6_mean vs run
χ² / ndf 76.22 / 77
p0 336.9 ± 168.5
pull
Entries 78
Mean 931.7
Std Dev 896.5

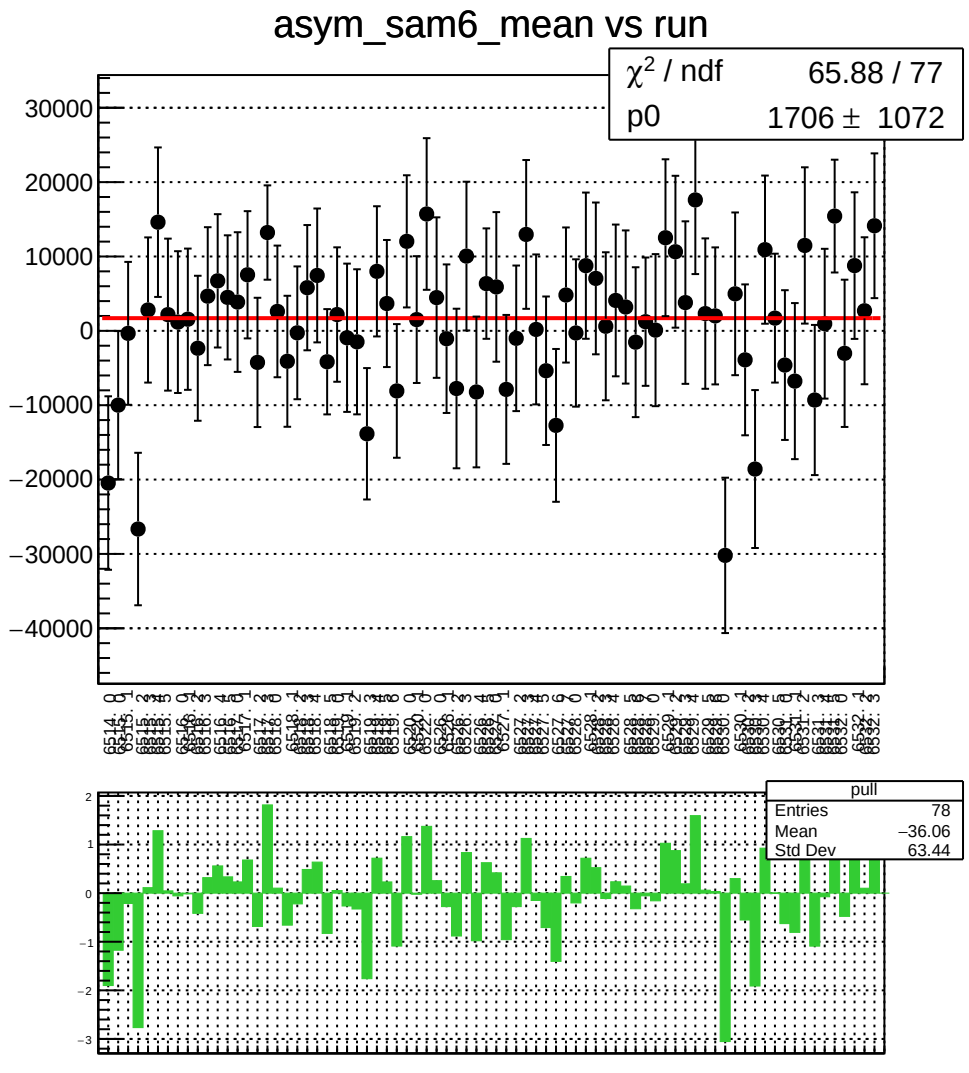

pull1D
Entries 78
Mean −0.003561
Std Dev 0.9885

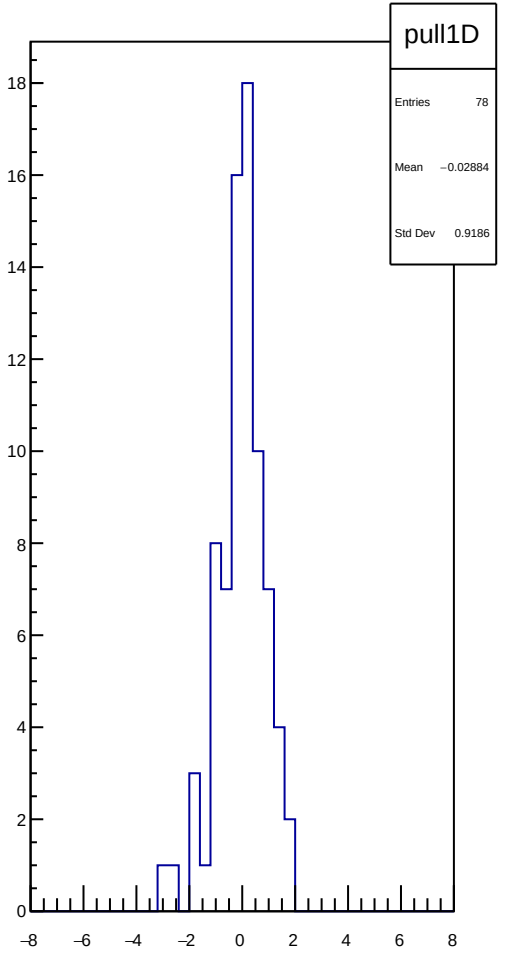

dit_asym_sam6_rms vs run
χ² / ndf 7097 / 77
p0 144.2 ± 0.1191
165
160
155
150
145
140
135
130
125

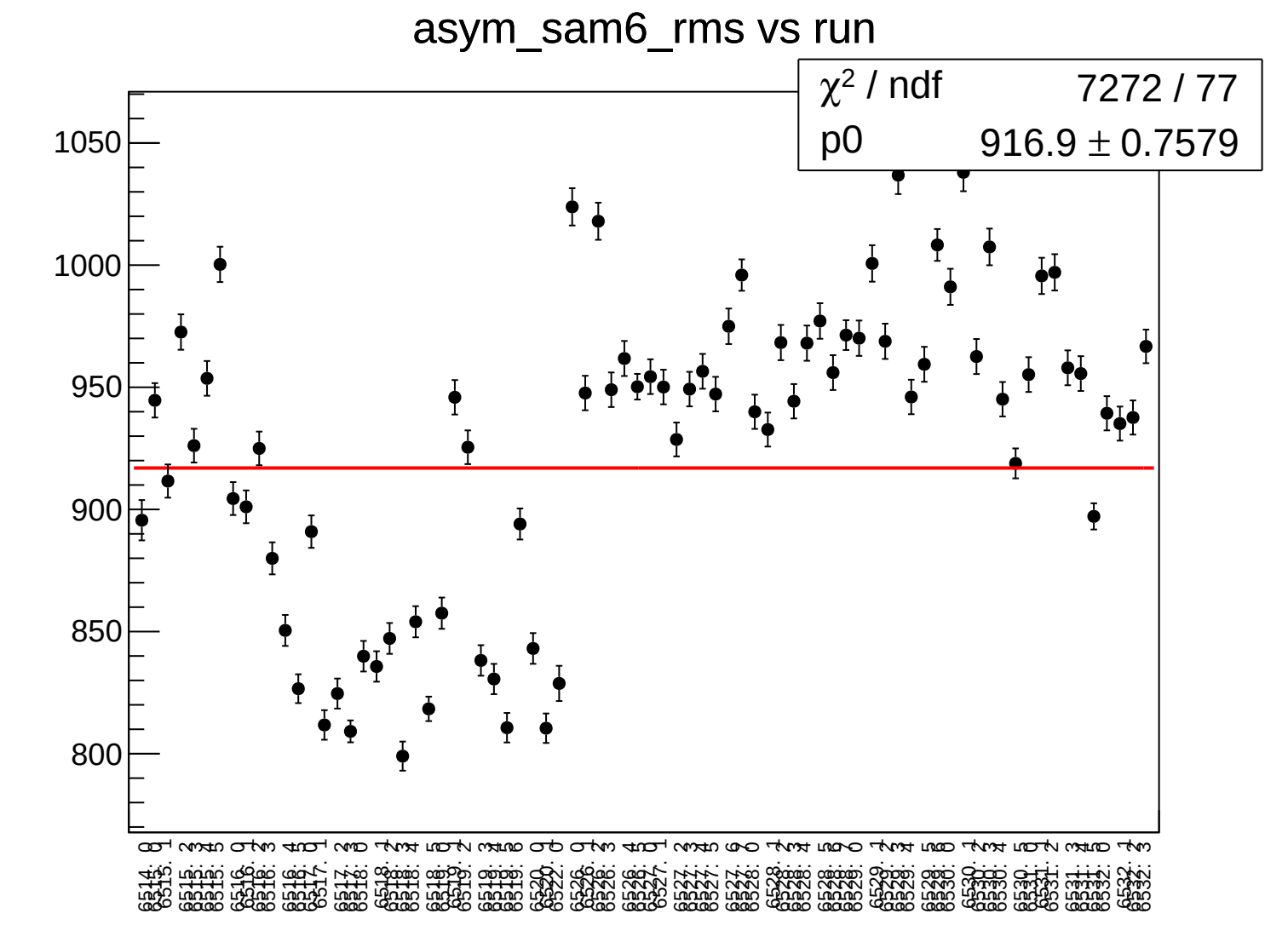

asym_sam6_correction_mean vs run
χ² / ndf 60.13 / 77
p0 −1344 ± 1084
pull
Entries 78
Mean −56.86
Std Dev 85.76

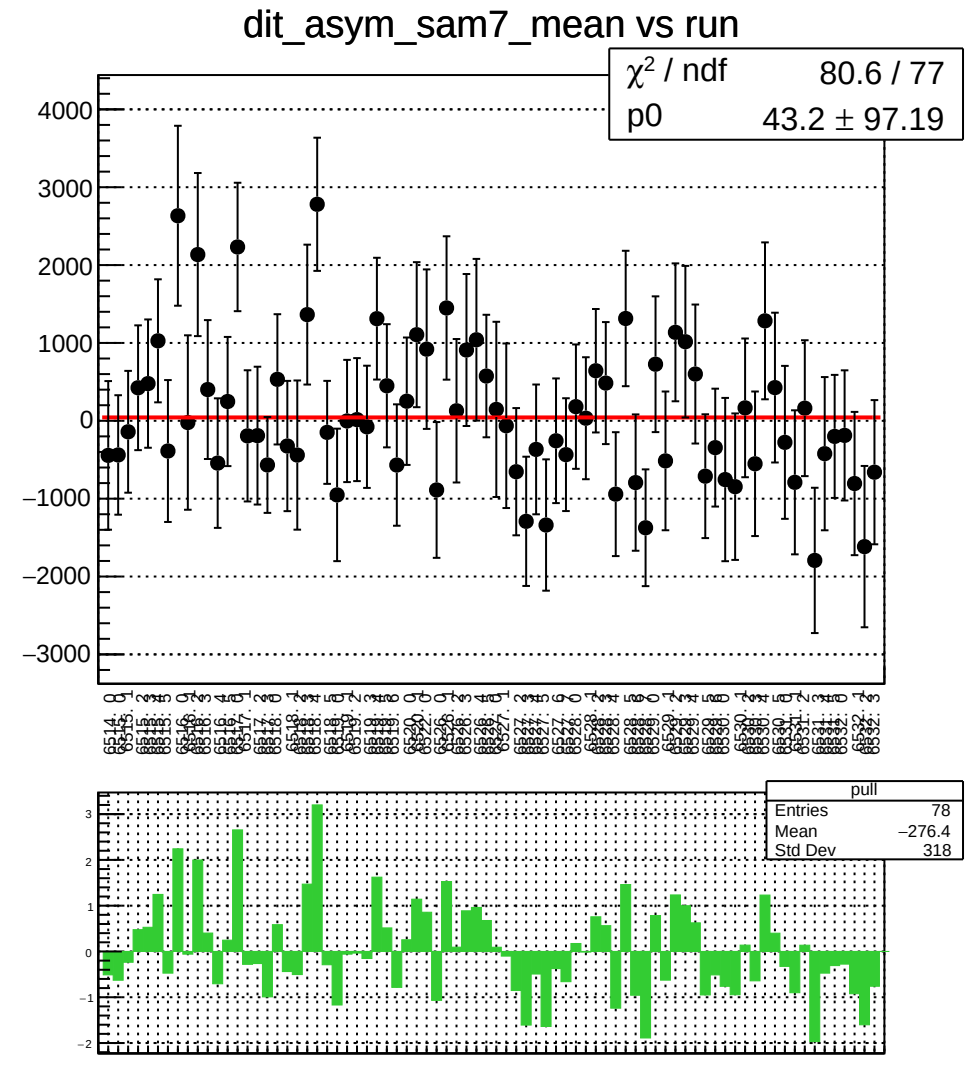

pull1D
Entries 78
Mean 0.02661
Std Dev 0.8776

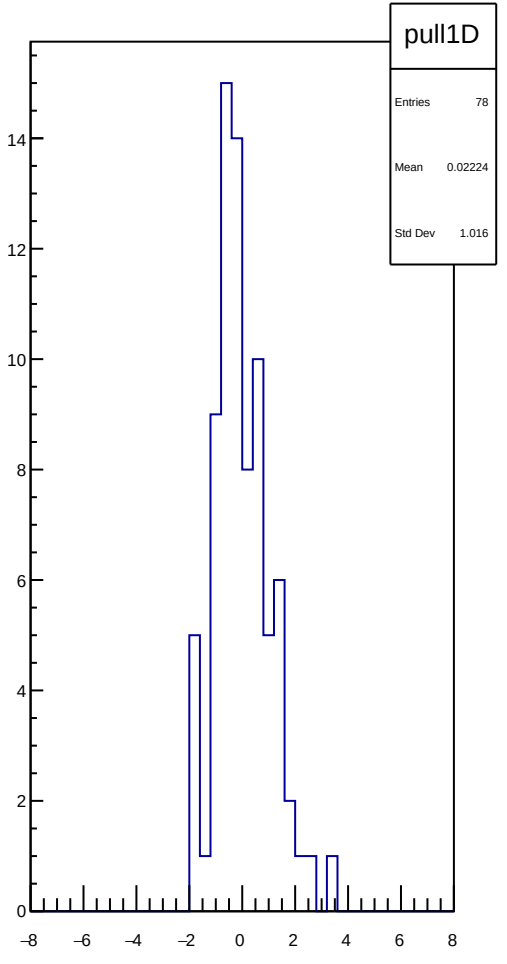

asym_sam6_correction_rms vs run
χ² / ndf 8572 / 77
p0 926.9 ± 0.7664
1050
1000
950
900
850
800

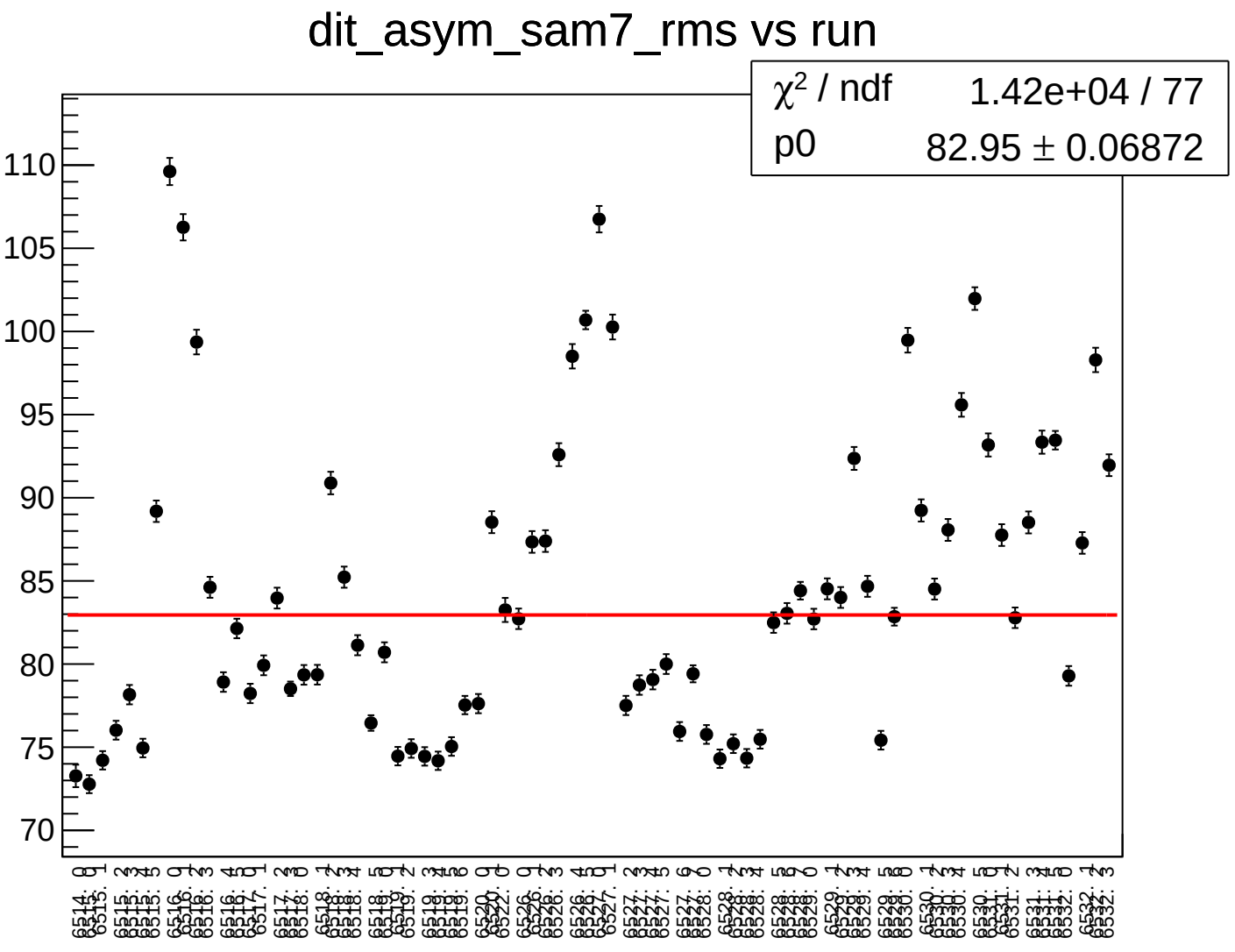

asym_sam6_mean vs run
χ² / ndf 65.88 / 77
p0 1706 ± 1072
pull
Entries 78
Mean −36.06
Std Dev 63.44

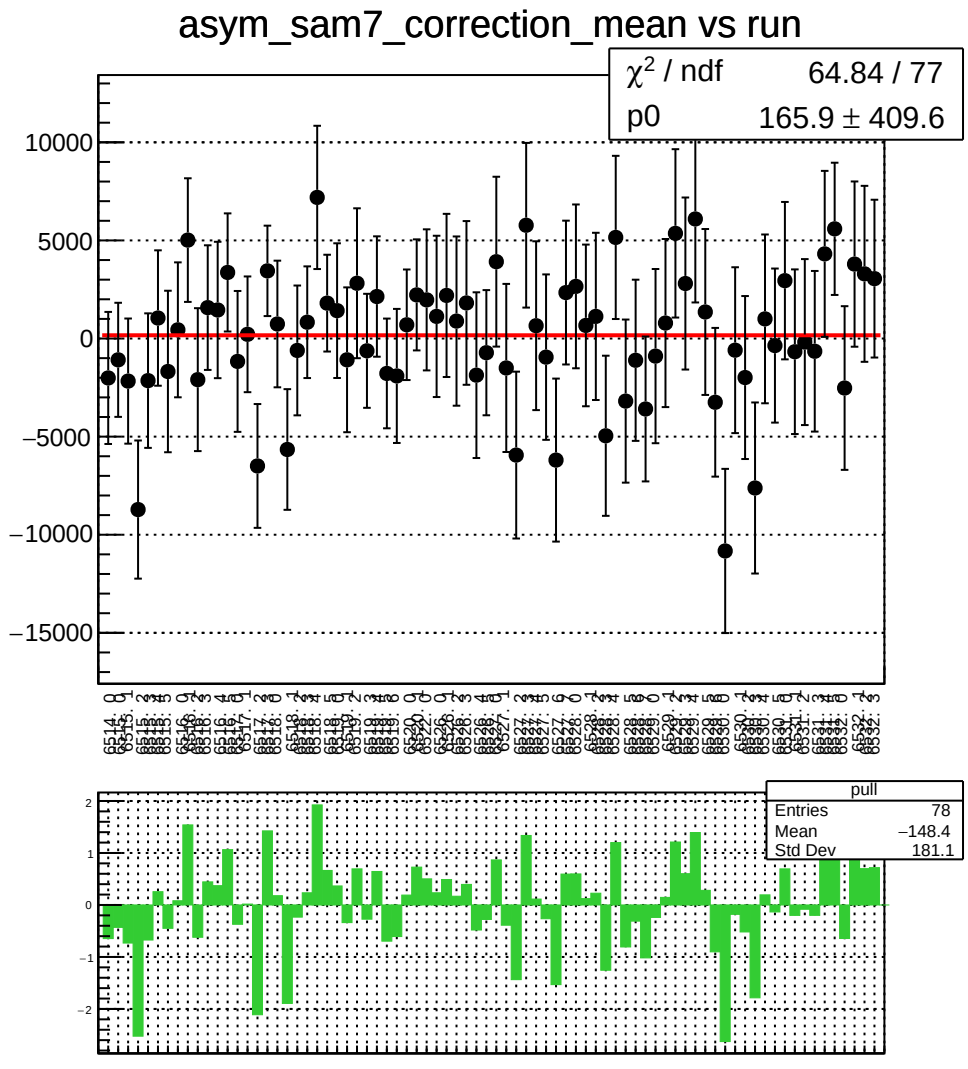

pull1D
Entries 78
Mean −0.02884
Std Dev 0.9186

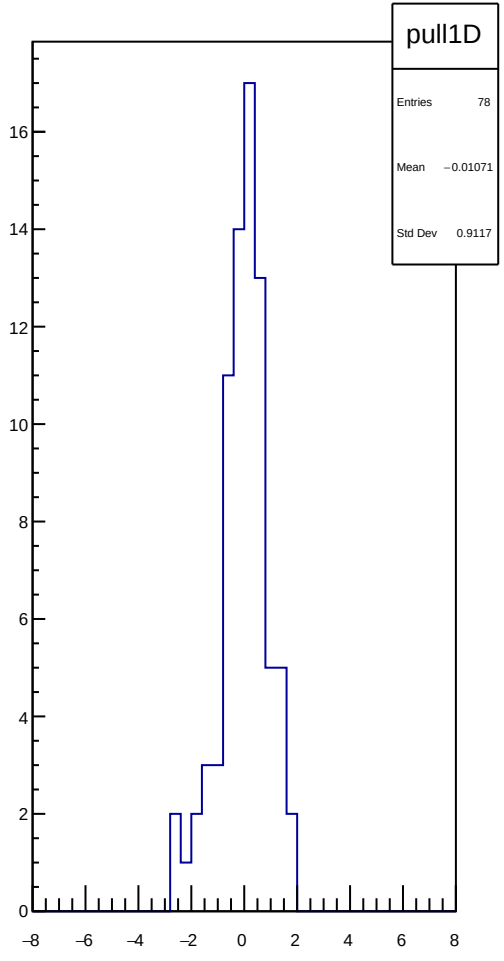

asym_sam6_rms vs run
χ² / ndf 7272 / 77
p0 916.9 ± 0.7579
1050
1000
950
900
850
800

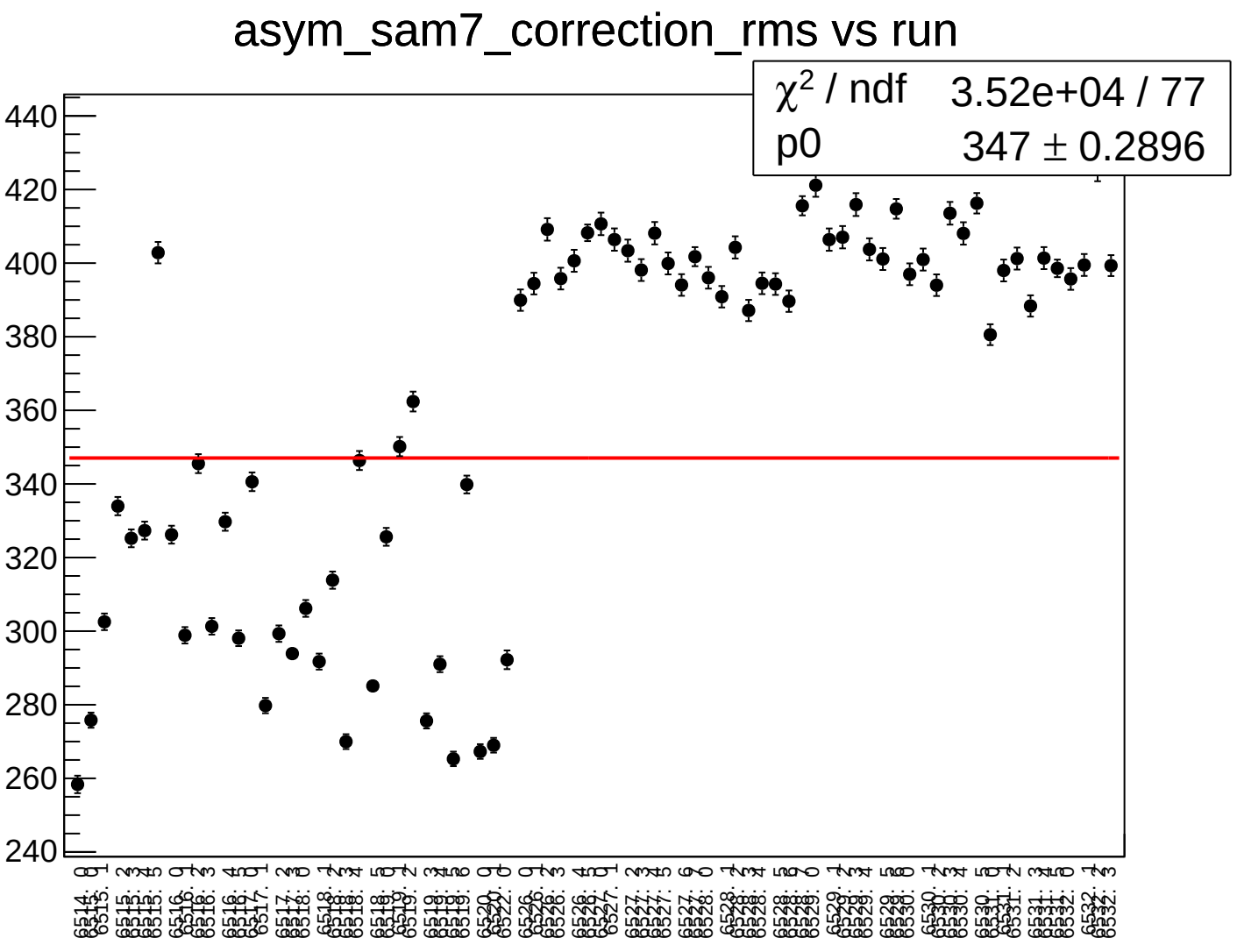

dit_asym_sam7_mean vs run
χ² / ndf 80.6 / 77
p0 43.2 ± 97.19
pull
Entries 78
Mean −276.4
Std Dev 318

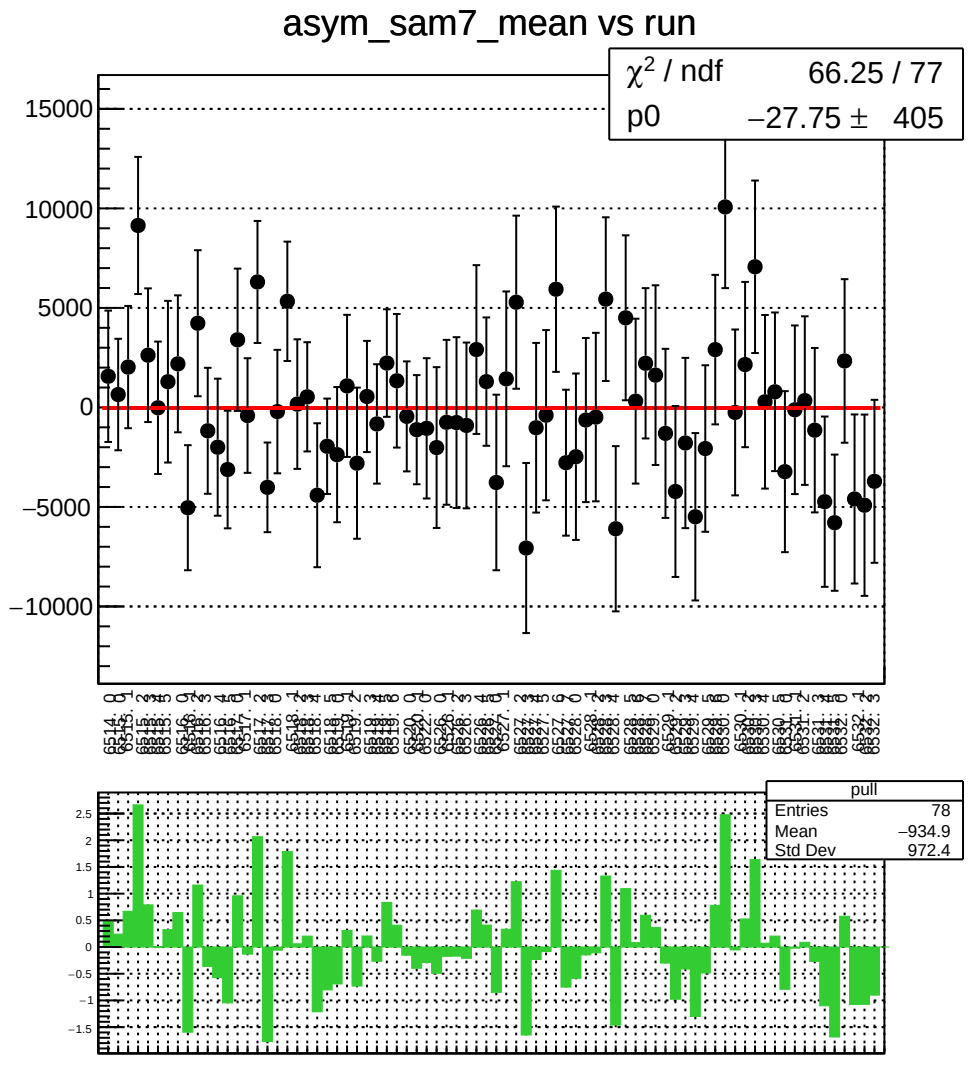

pull1D
Entries 78
Mean 0.02224
Std Dev 1.016

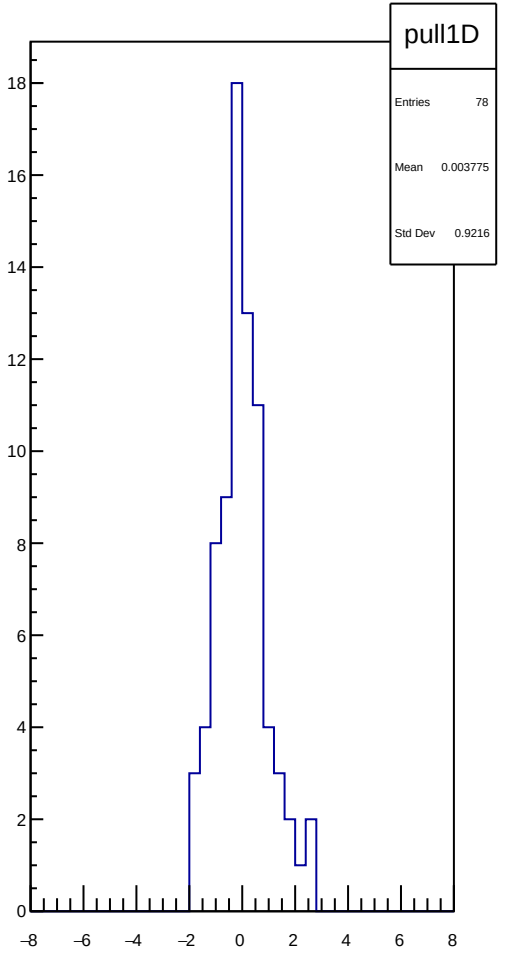

dit_asym_sam7_rms vs run
χ² / ndf 1.42e+04 / 77
p0 82.95 ± 0.06872
110
105
100
95
90
85
80
75
70

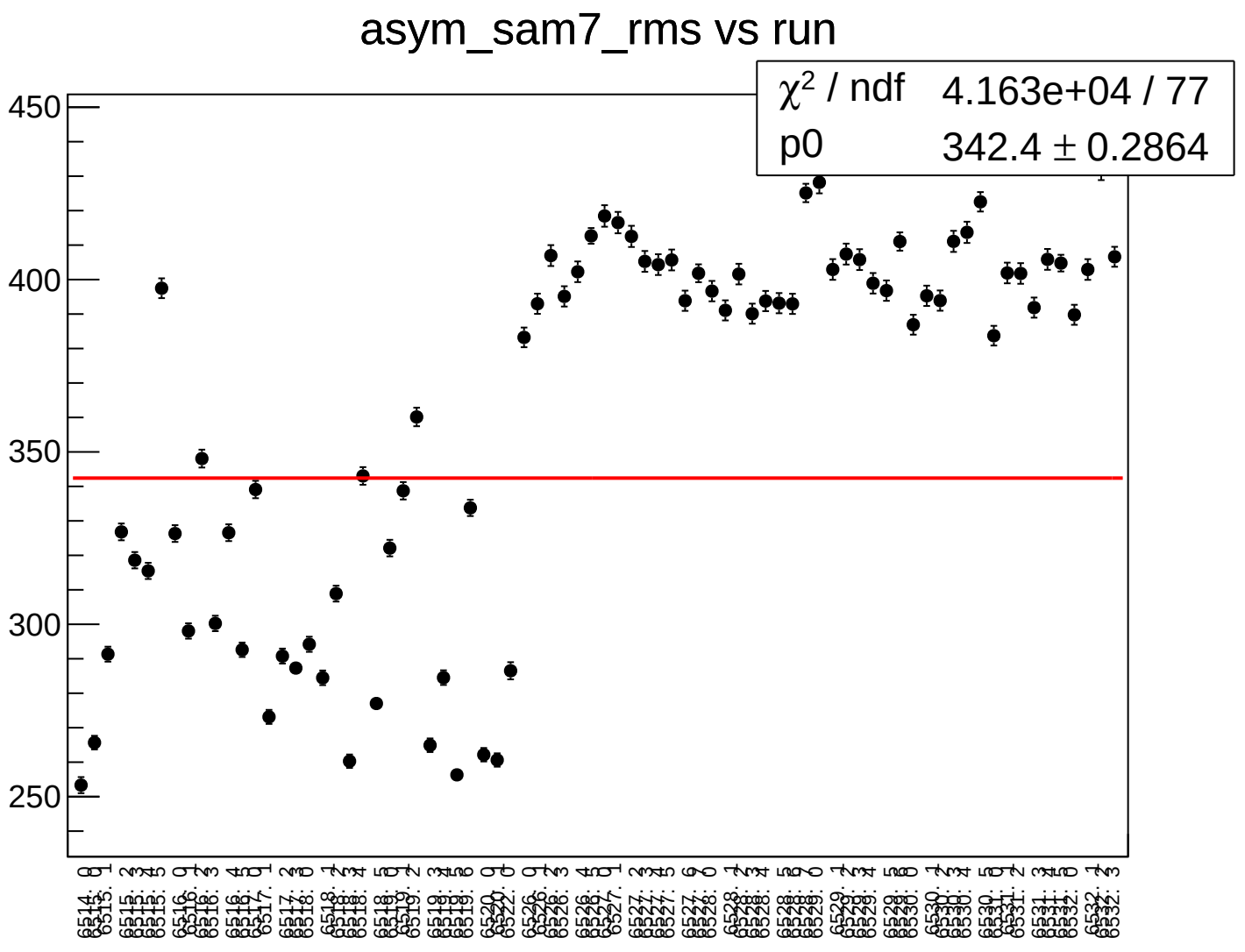

asym_sam7_correction_mean vs run
χ² / ndf 64.84 / 77
p0 165.9 ± 409.6
10000
5000
0
−5000
−10000
−15000
pull
Entries 78
Mean −148.4
Std Dev 181.1
2
1
0
−1
−2

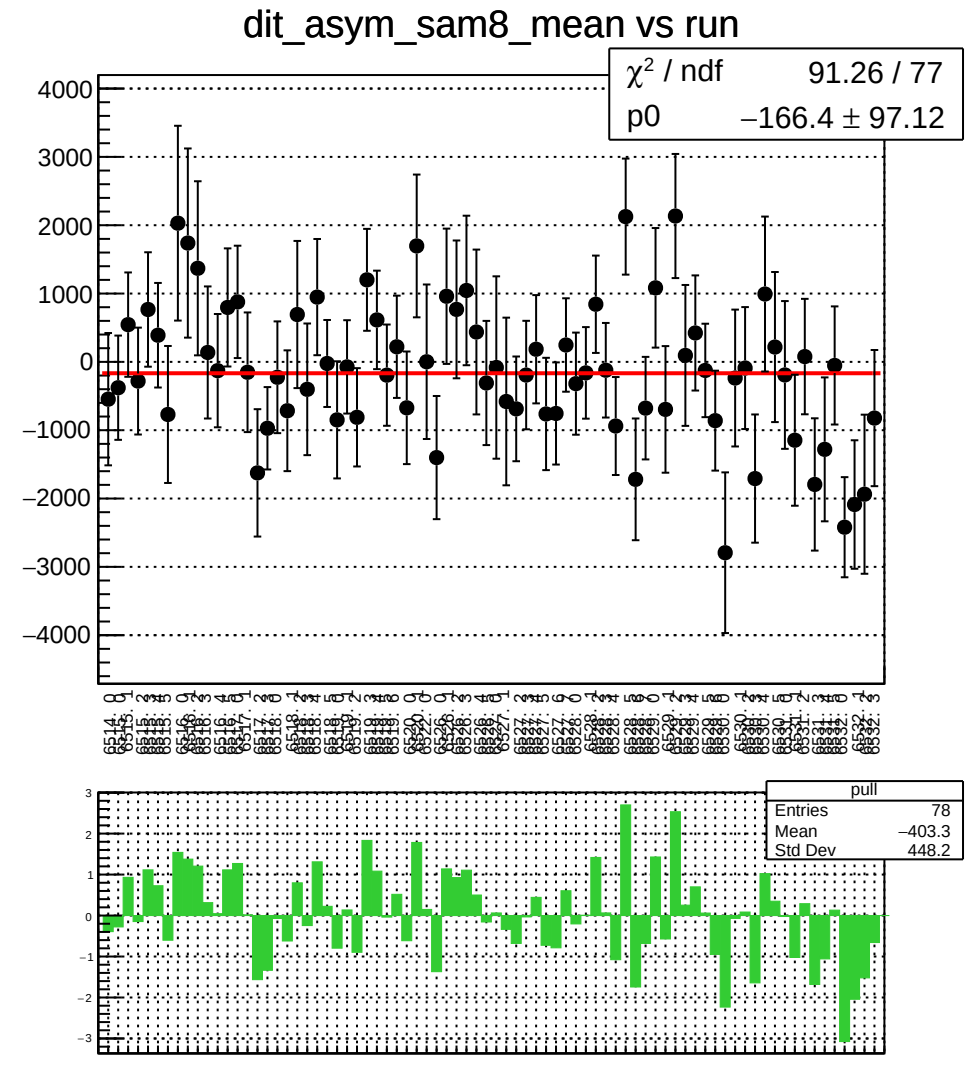

pull1D
Entries 78
Mean −0.01071
Std Dev 0.9117
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

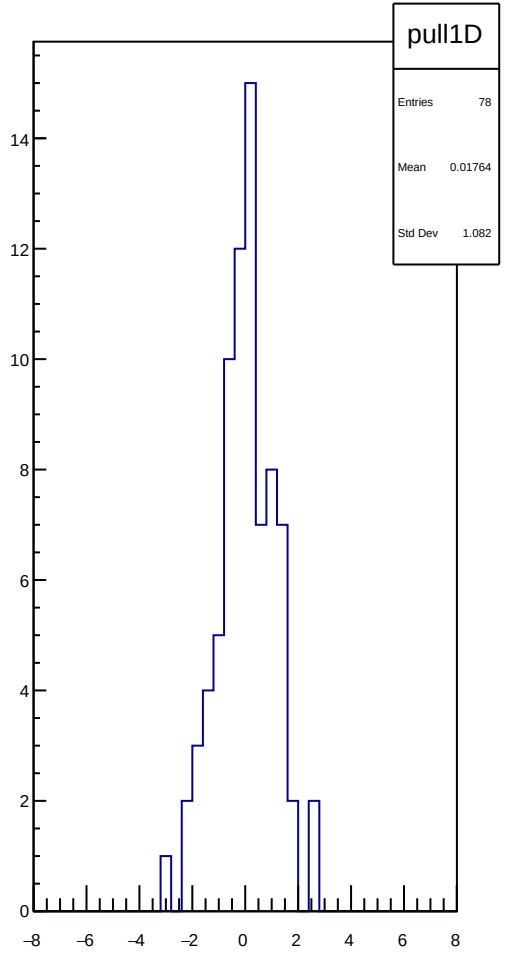

asym_sam7_correction_rms vs run
χ² / ndf 3.52e+04 / 77
p0 347 ± 0.2896
440
420
400
380
360
340
320
300
280
260
240

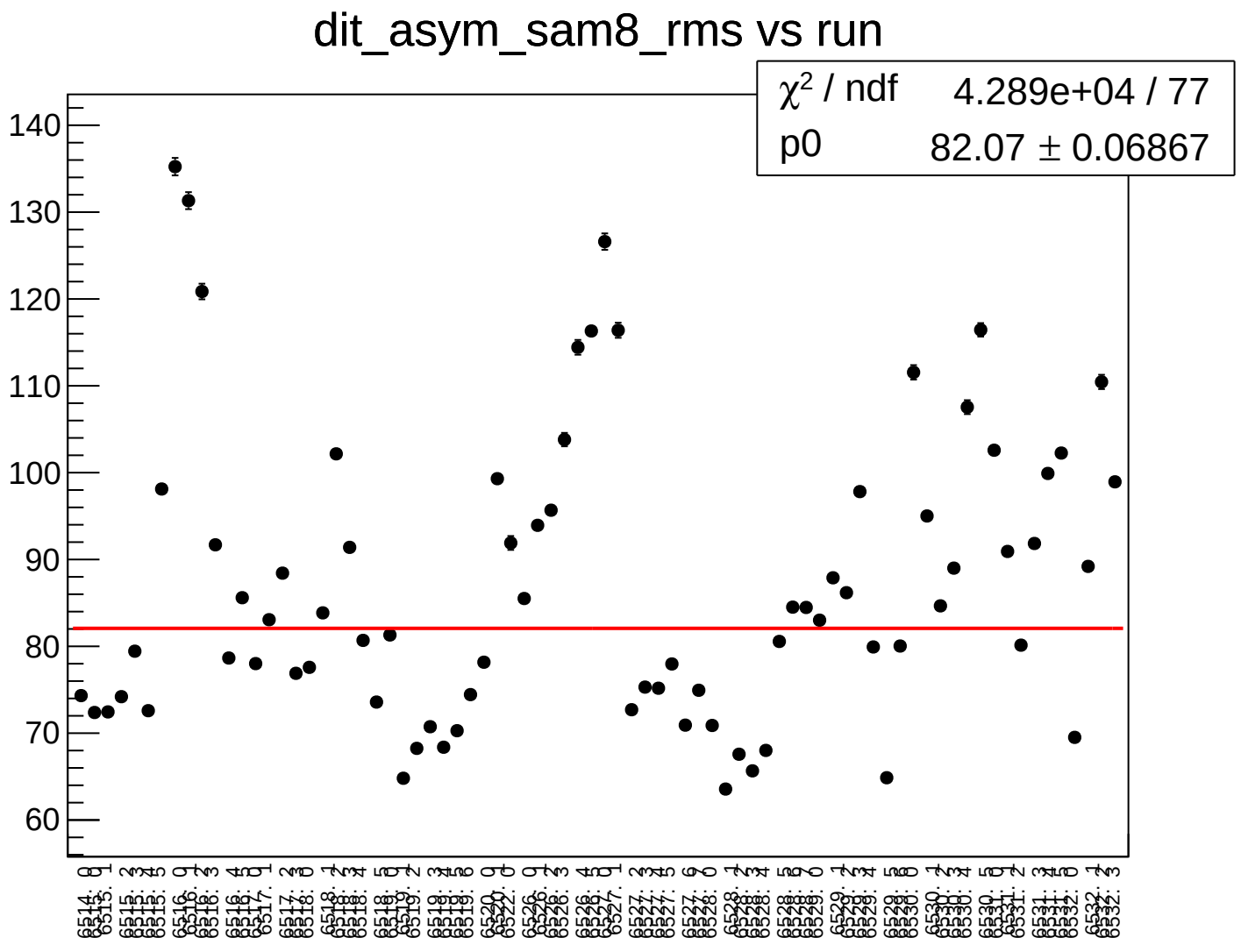

asym_sam7_mean vs run
χ² / ndf 66.25 / 77
p0 −27.75 ± 405
15000
10000
5000
0
−5000
−10000
pull
Entries 78
Mean −934.9
Std Dev 972.4
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

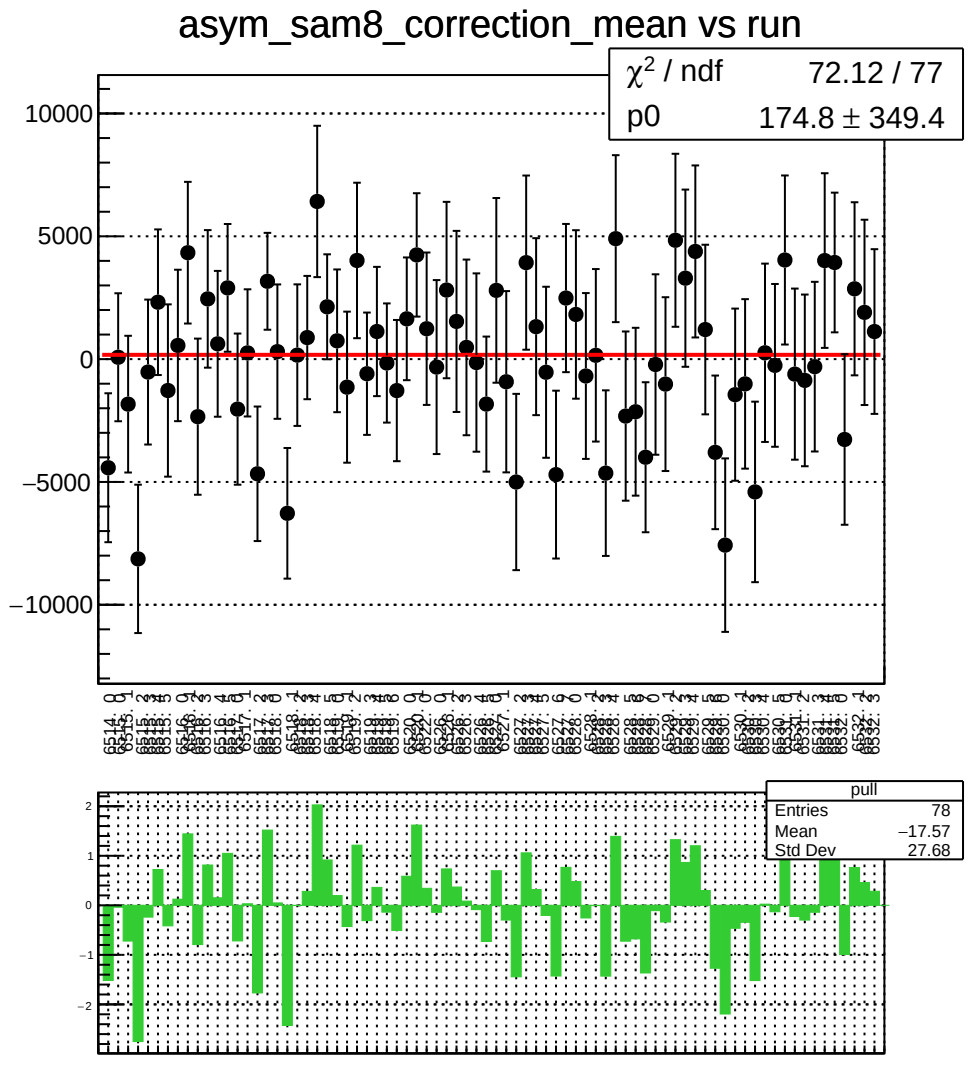

pull1D
Entries 78
Mean 0.003775
Std Dev 0.9216
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

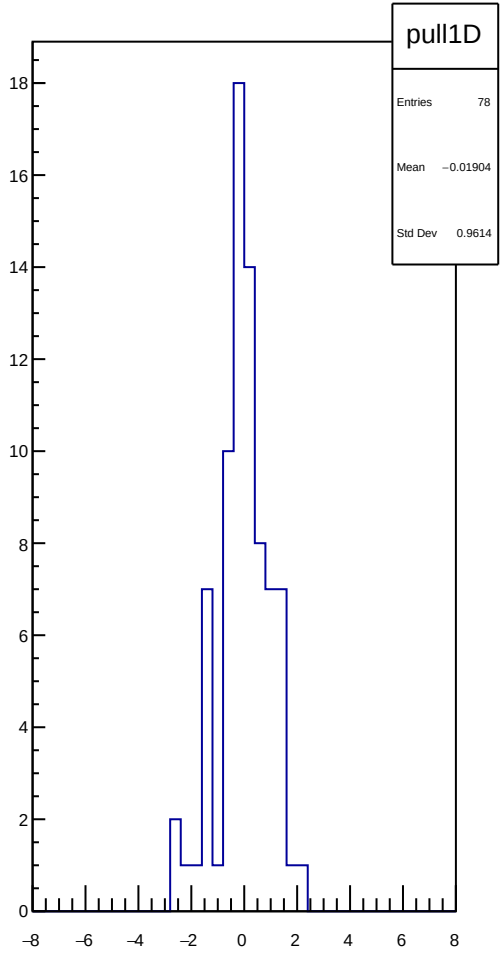

asym_sam7_rms vs run
χ² / ndf 4.163e+04 / 77
p0 342.4 ± 0.2864
450
400
350
300
250

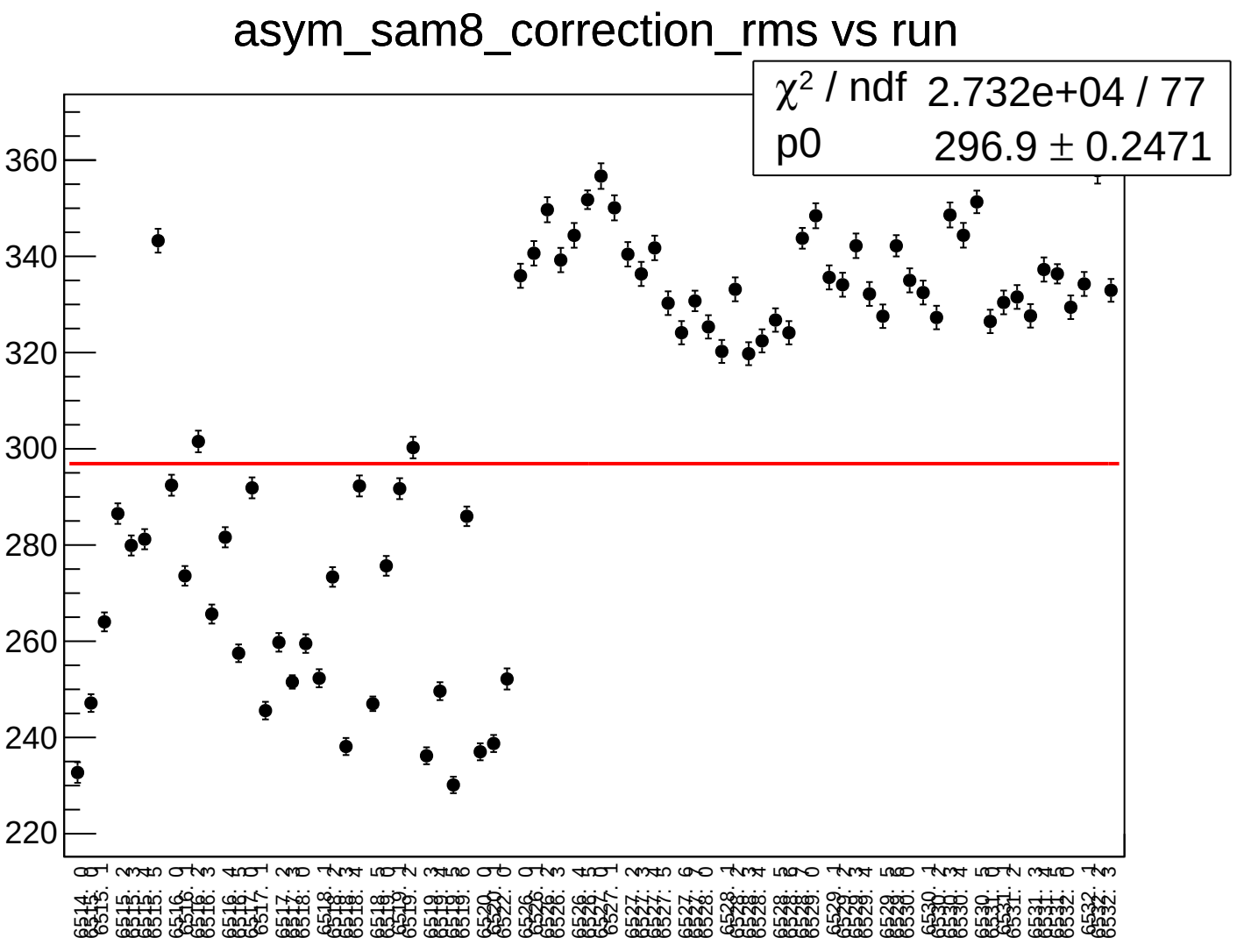

dit_asym_sam8_mean vs run
χ² / ndf 91.26 / 77
p0 −166.4 ± 97.12
pull
Entries 78
Mean −403.3
Std Dev 448.2

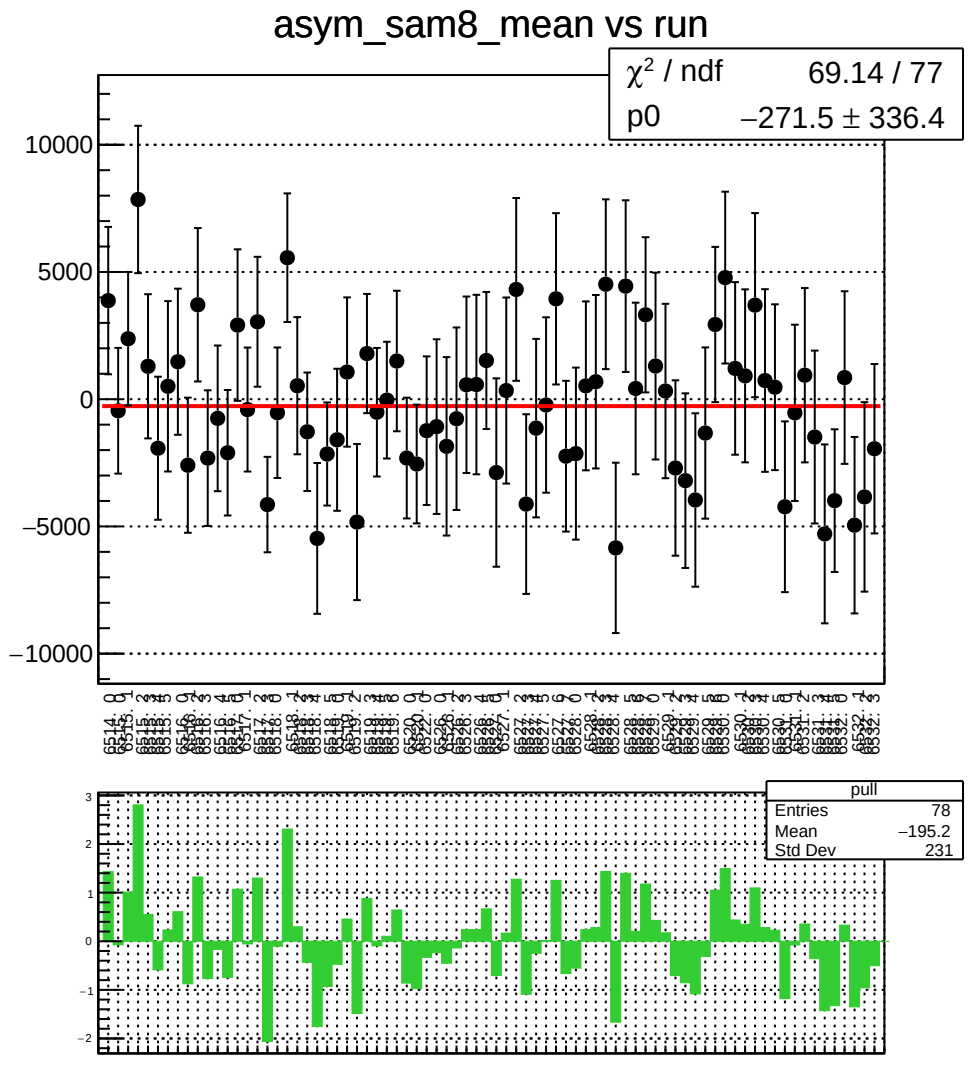

pull1D
Entries 78
Mean 0.01764
Std Dev 1.082

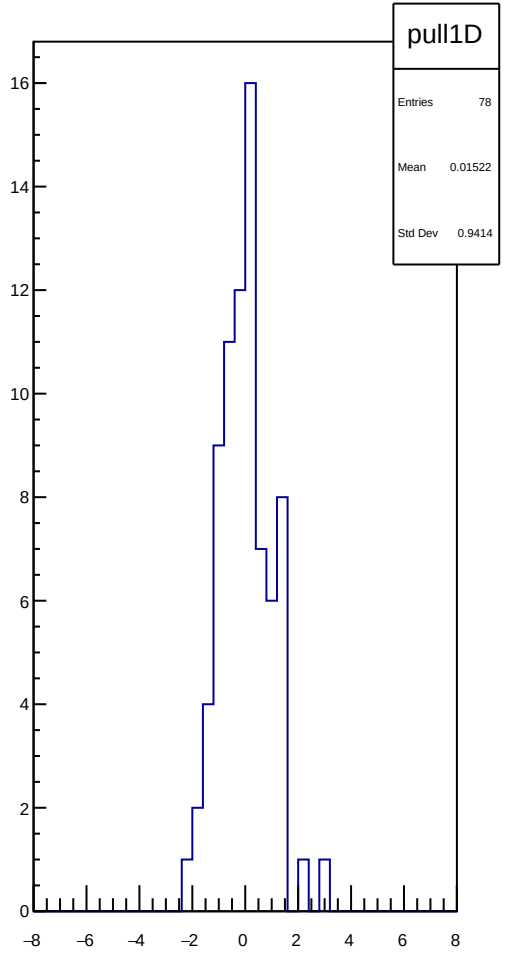

dit_asym_sam8_rms vs run
χ² / ndf 4.289e+04 / 77
p0 82.07 ± 0.06867
140
130
120
110
100
90
80
70
60

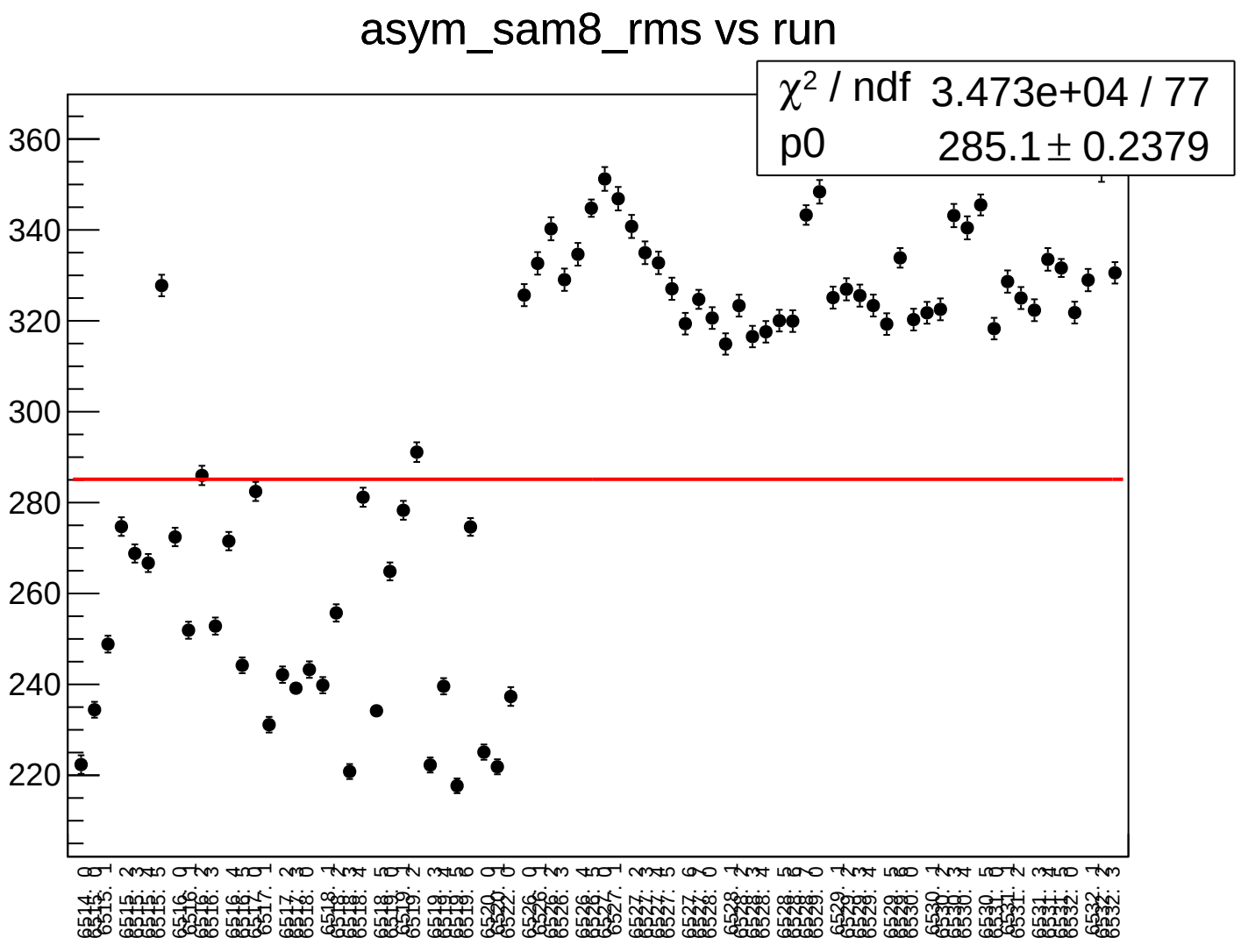

asym_sam8_correction_mean vs run
χ² / ndf 72.12 / 77
p0 174.8 ± 349.4
10000
5000
0
−5000
−10000
pull
Entries 78
Mean −17.57
Std Dev 27.68
2
1
0
−1
−2

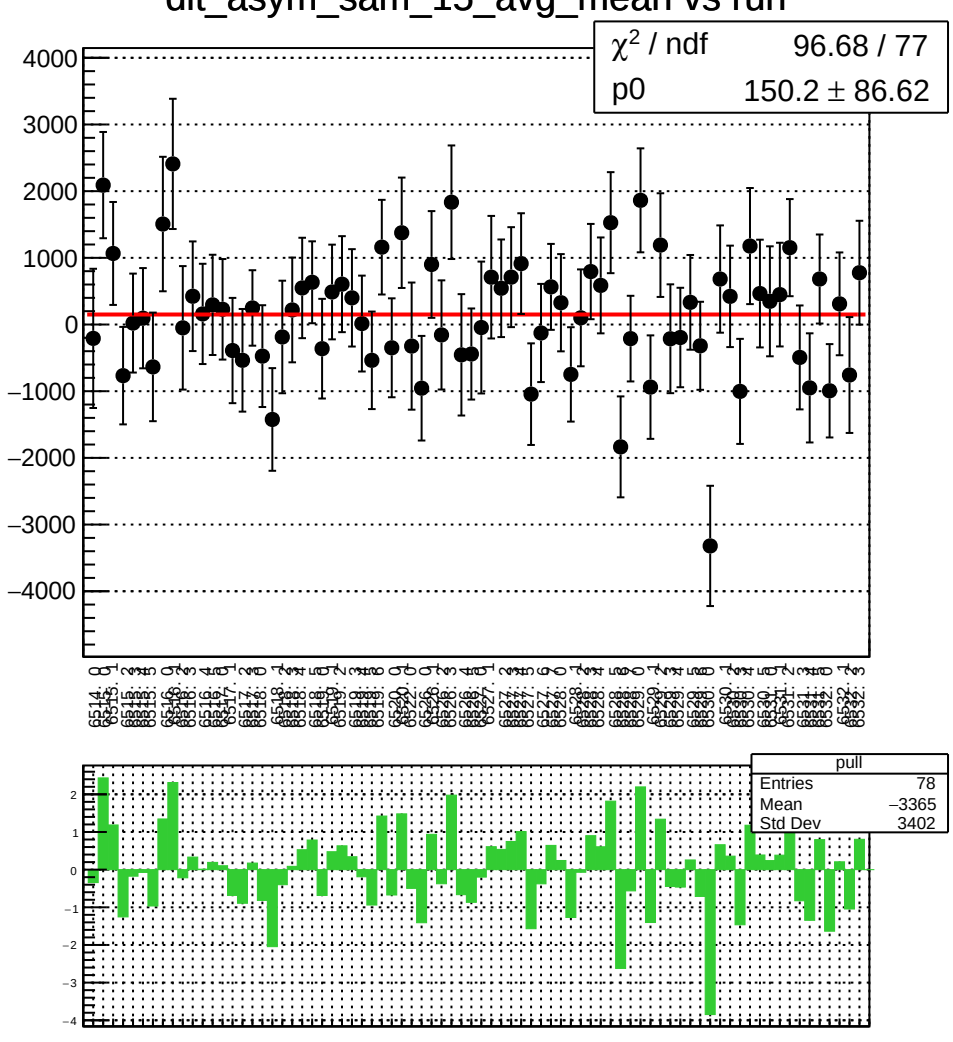

pull1D
Entries 78
Mean −0.01904
Std Dev 0.9614
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

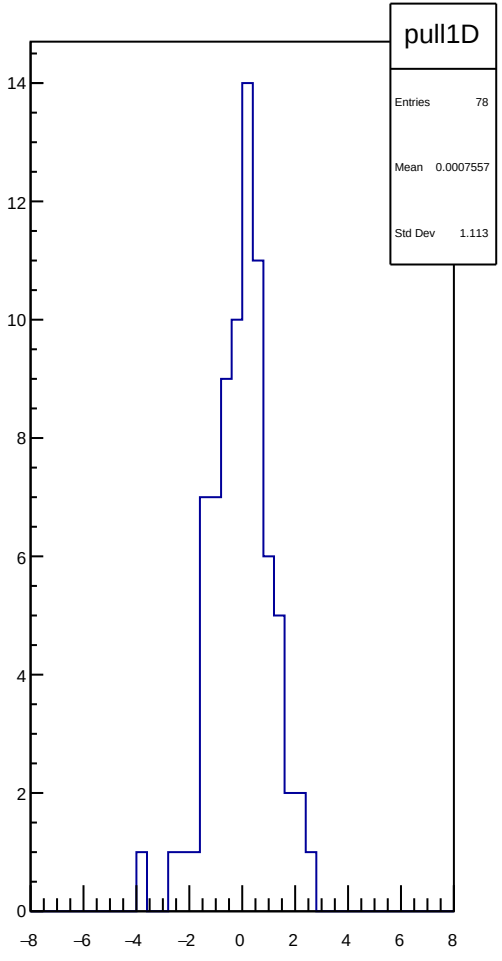

asym_sam8_correction_rms vs run
χ² / ndf 2.732e+04 / 77
p0 296.9 ± 0.2471
360
340
320
300
280
260
240
220

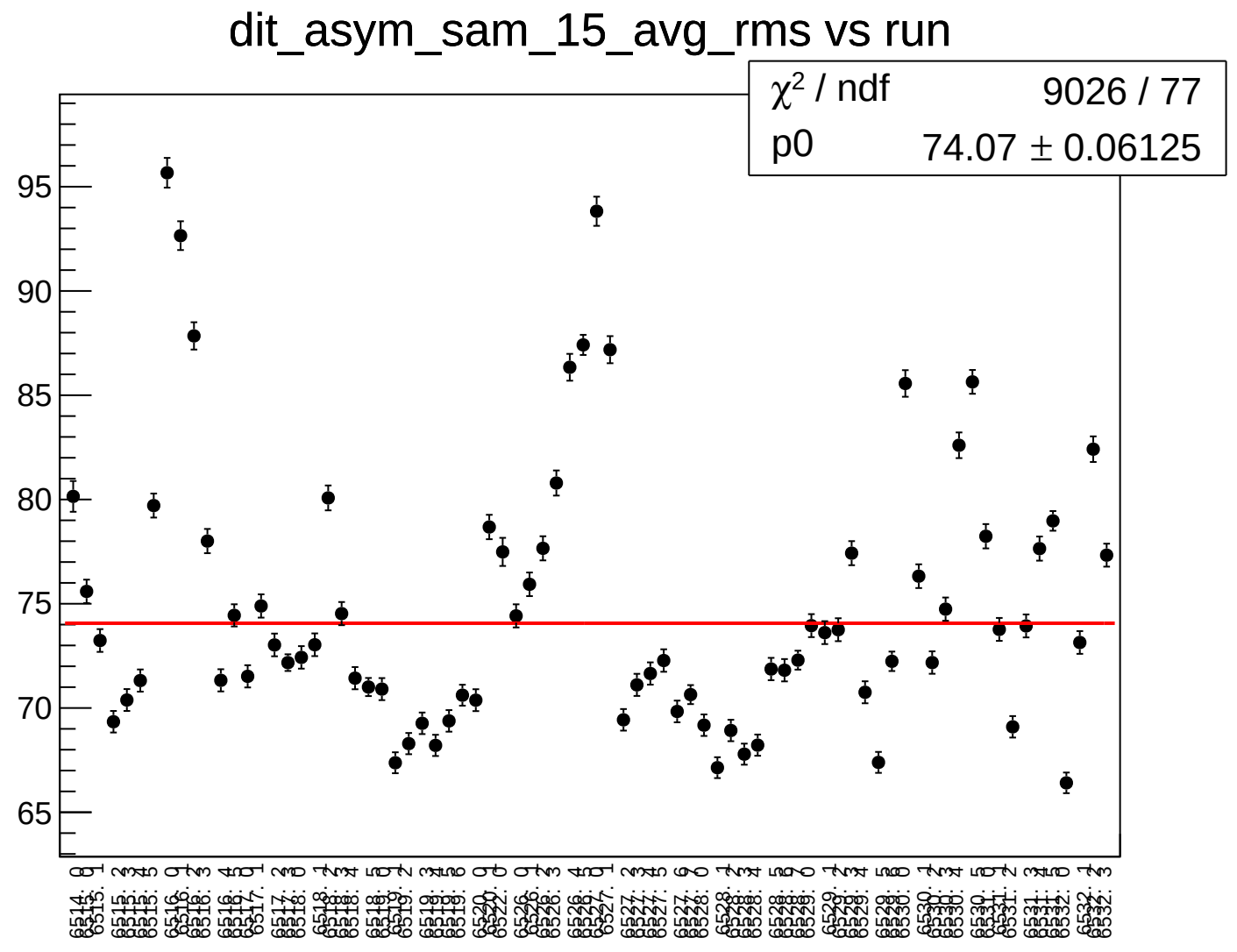

asym_sam8_mean vs run
χ² / ndf 69.14 / 77
p0 −271.5 ± 336.4
10000
5000
0
−5000
−10000
pull
Entries 78
Mean −195.2
Std Dev 231
3
2
1
0
−1
−2

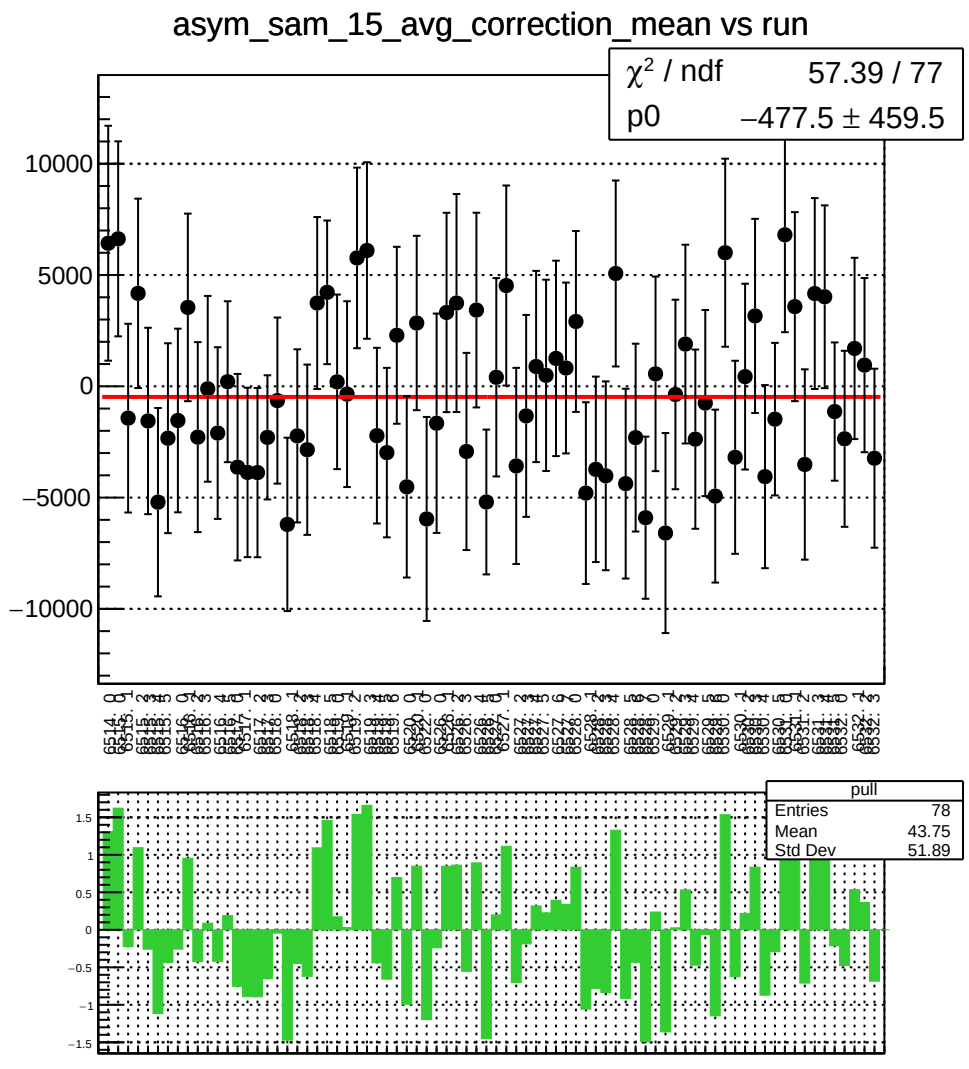

pull1D
Entries 78
Mean 0.01522
Std Dev 0.9414
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

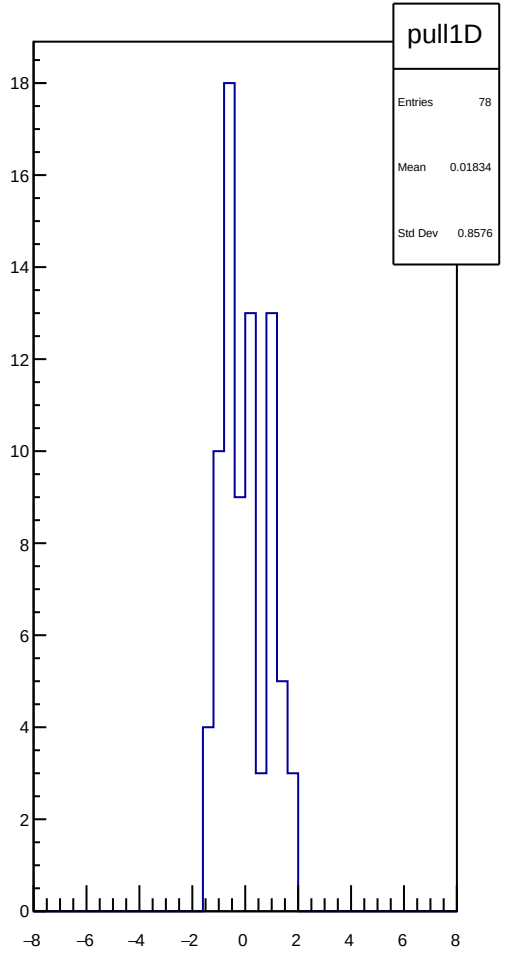

asym_sam8_rms vs run
χ² / ndf 3.473e+04 / 77
p0 285.1 ± 0.2379
360
340
320
300
280
260
240
220

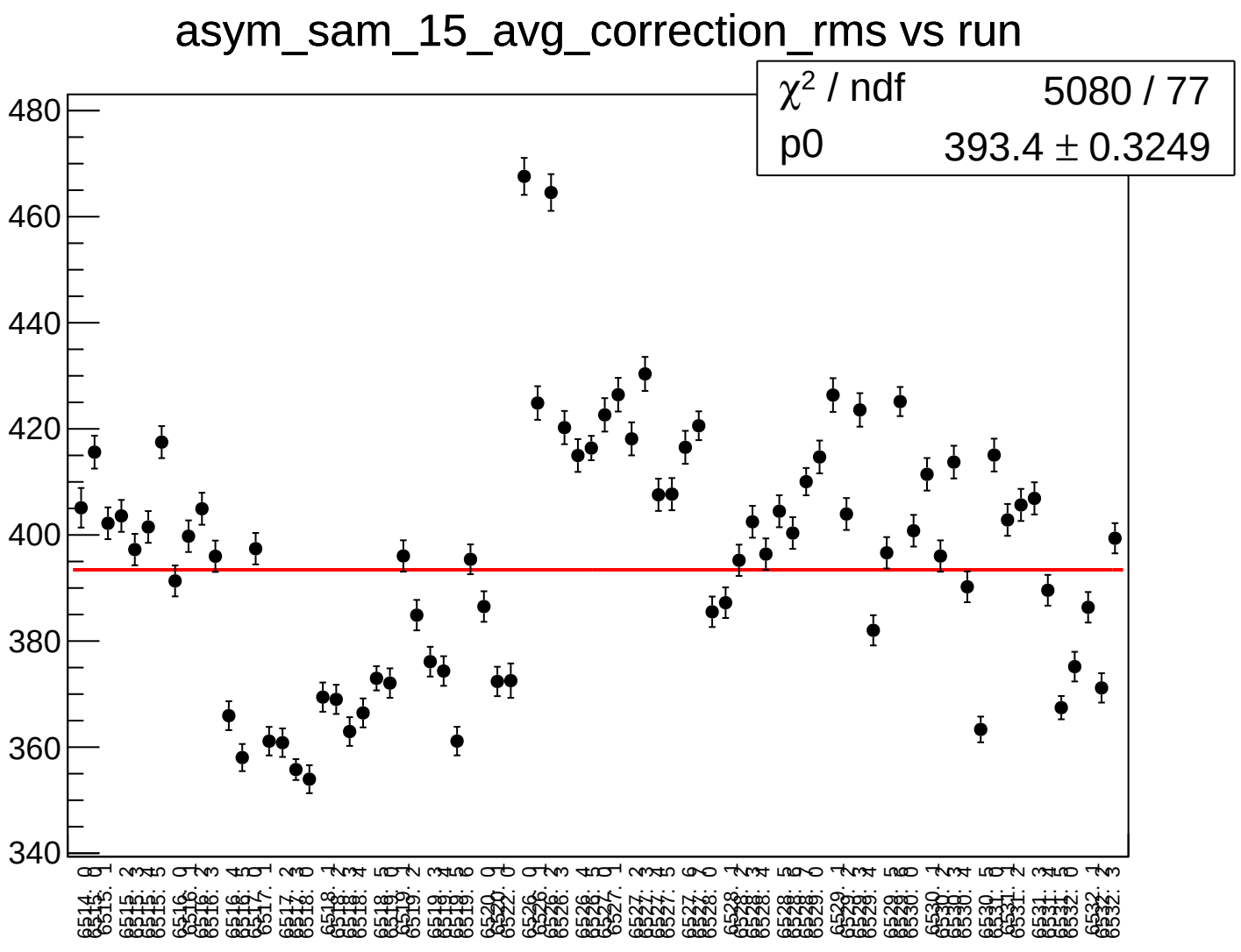

dit_asym_sam_15_avg_mean vs run
χ² / ndf 96.68 / 77
p0 150.2 ± 86.62
pull
Entries 78
Mean −3365
Std Dev 3402

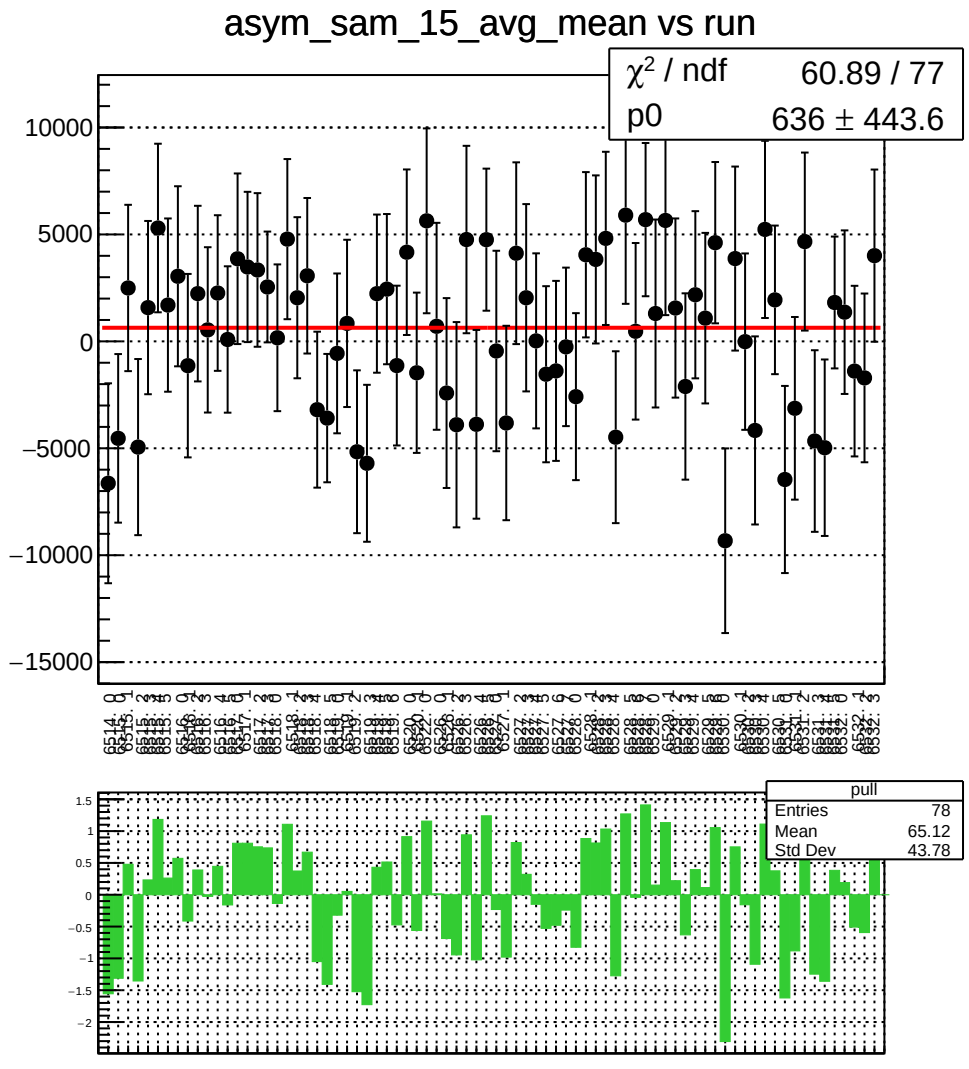

pull1D
Entries 78
Mean 0.0007557
Std Dev 1.113

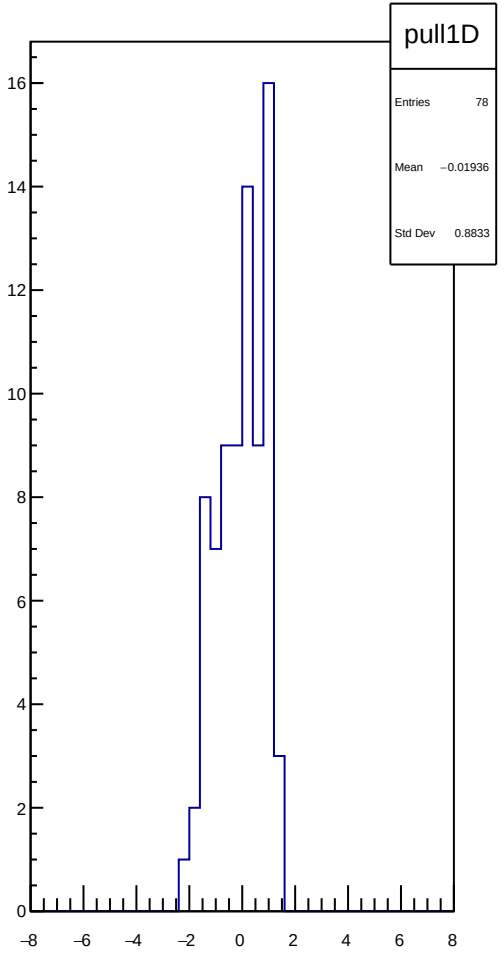

dit_asym_sam_15_avg_rms vs run
χ^2 / ndf 9026 / 77
p0 74.07 ± 0.06125
95
90
85
80
75
70
65

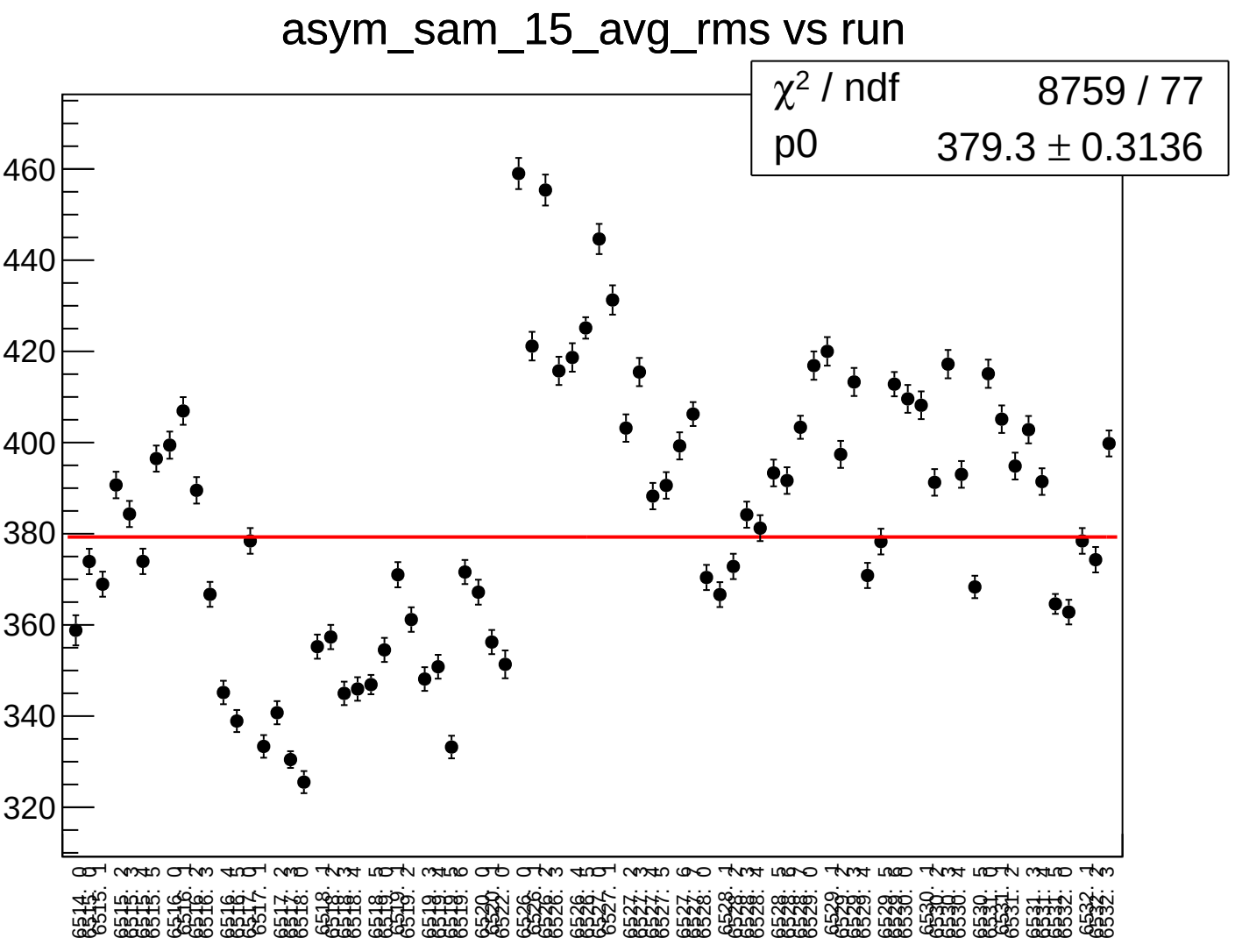

asym_sam_15_avg_correction_mean vs run
χ² / ndf 57.39 / 77
p0 −477.5 ± 459.5
10000
5000
0
−5000
−10000
pull
Entries 78
Mean 43.75
Std Dev 51.89
1.5
1
0.5
0
−0.5
−1
−1.5

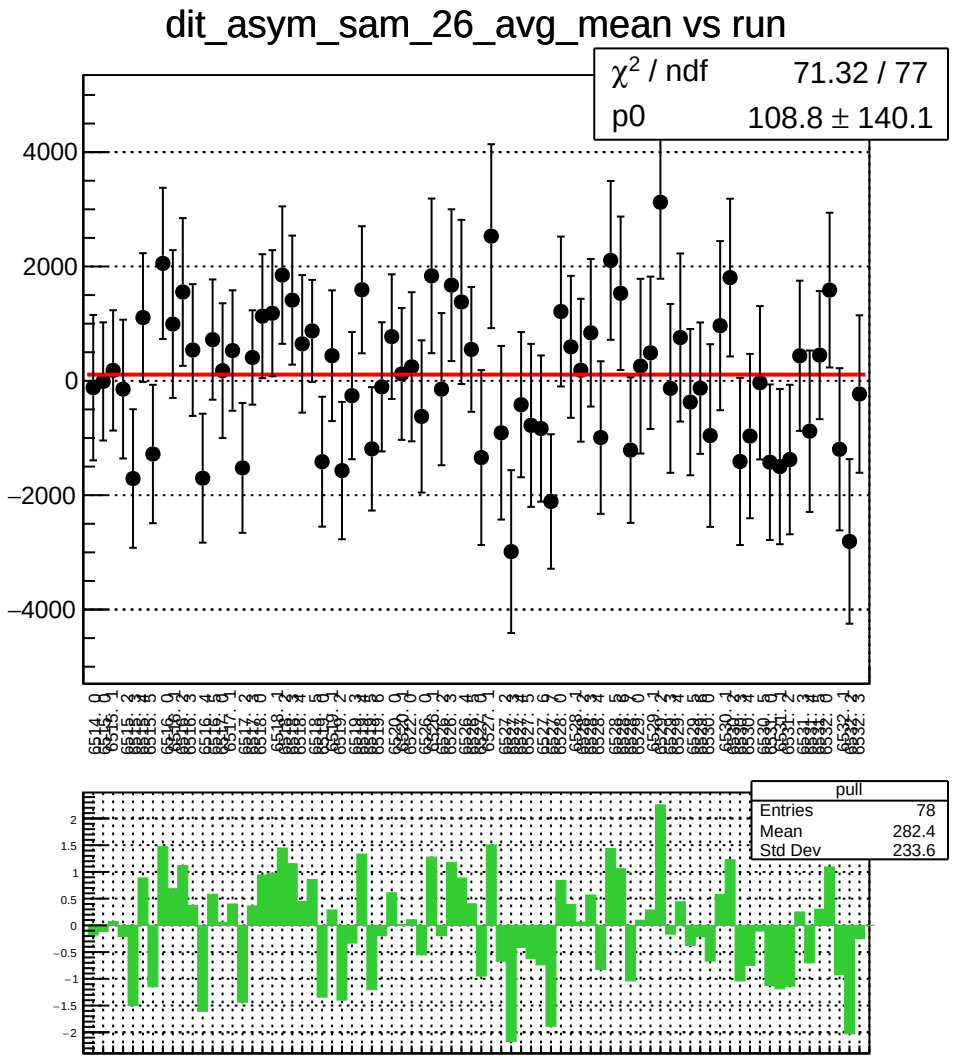

pull1D
Entries 78
Mean 0.01834
Std Dev 0.8576
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

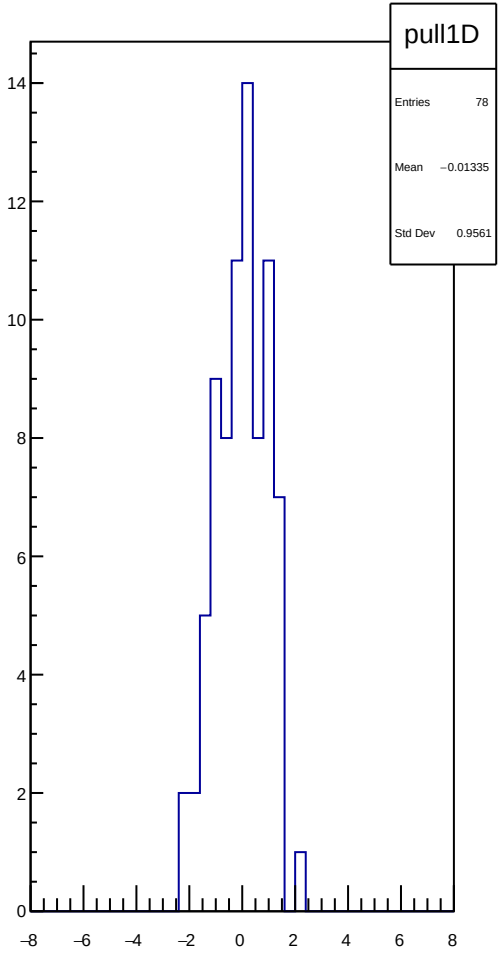

asym_sam_15_avg_correction_rms vs run
χ² / ndf 5080 / 77
p0 393.4 ± 0.3249
480
460
440
420
400
380
360
340

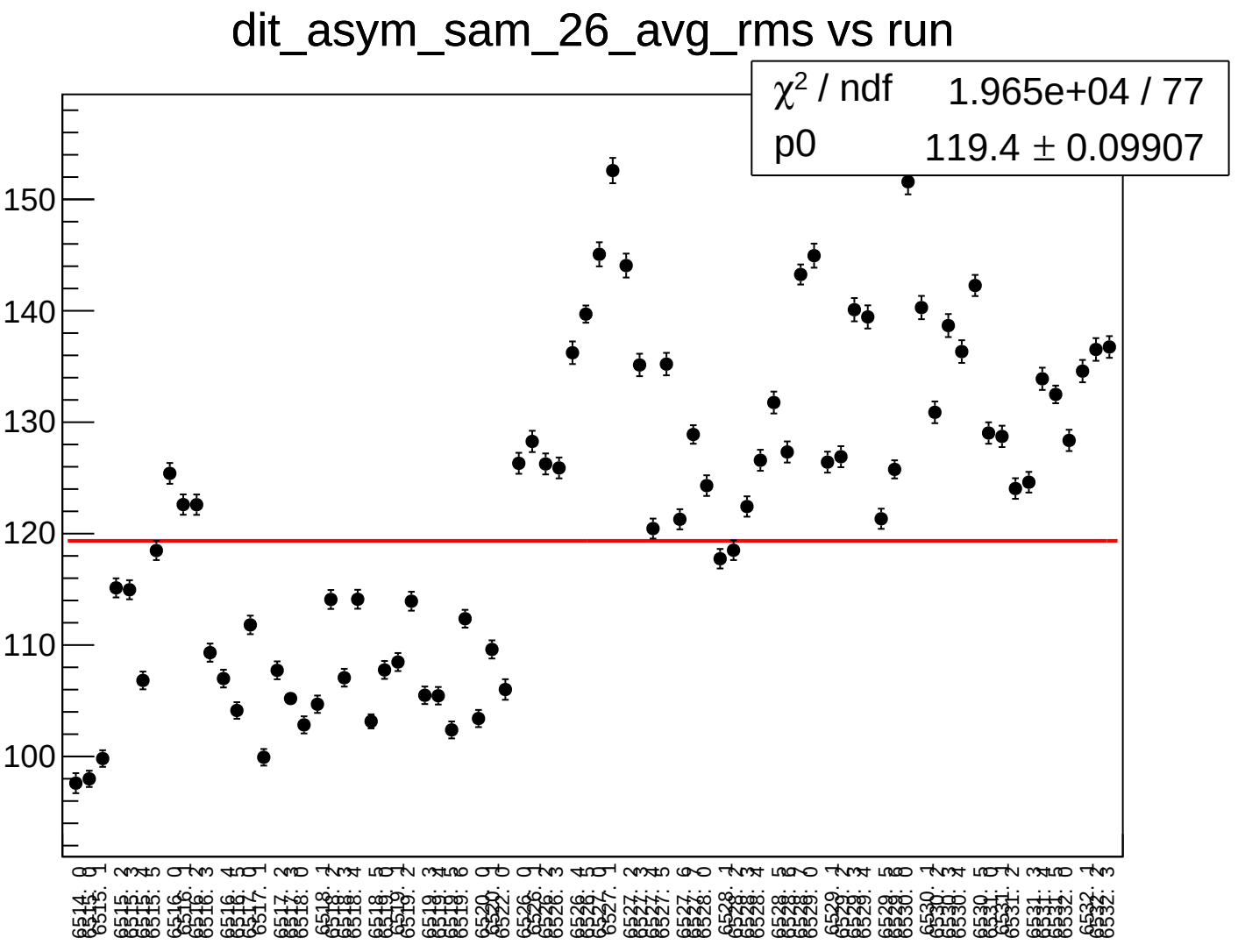

asym_sam_15_avg_mean vs run
χ² / ndf 60.89 / 77
p0 636 ± 443.6
10000
5000
0
−5000
−10000
−15000
pull
Entries 78
Mean 65.12
Std Dev 43.78
1.5
1
0.5
0
−0.5
−1
−1.5
−2

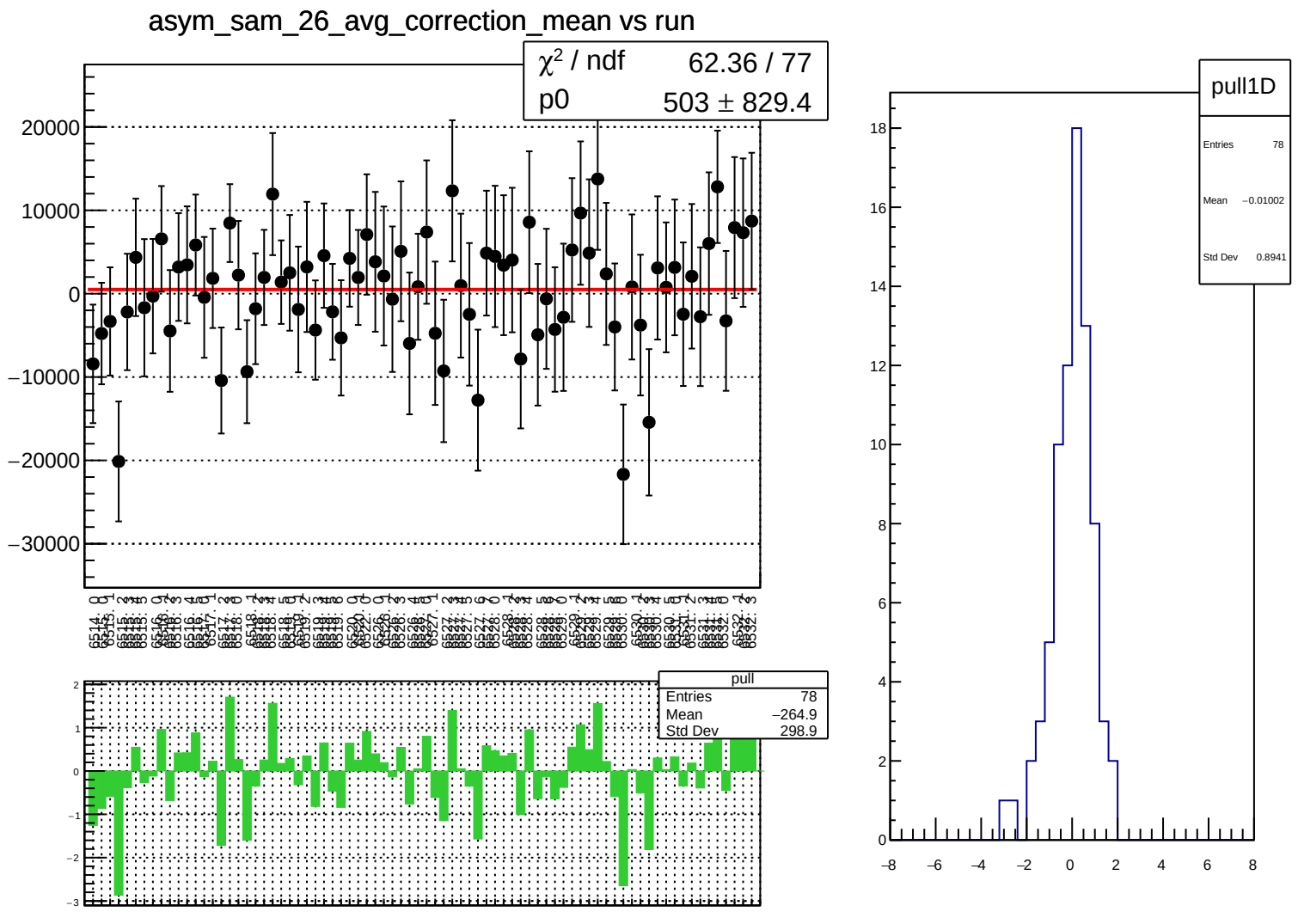

pull1D
Entries 78
Mean −0.01936
Std Dev 0.8833
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

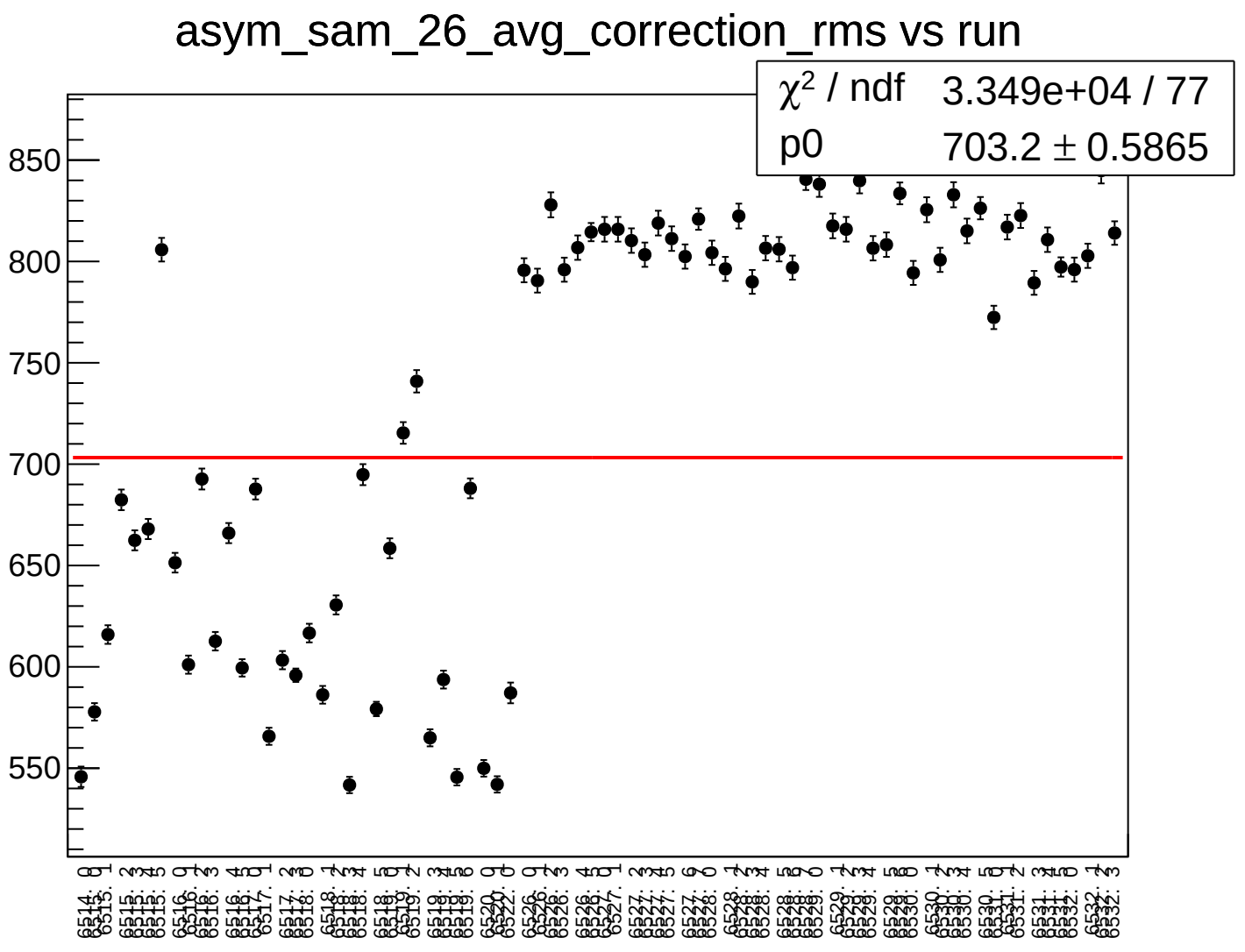

asym_sam_15_avg_rms vs run
χ² / ndf 8759 / 77
p0 379.3 ± 0.3136
460
440
420
400
380
360
340
320

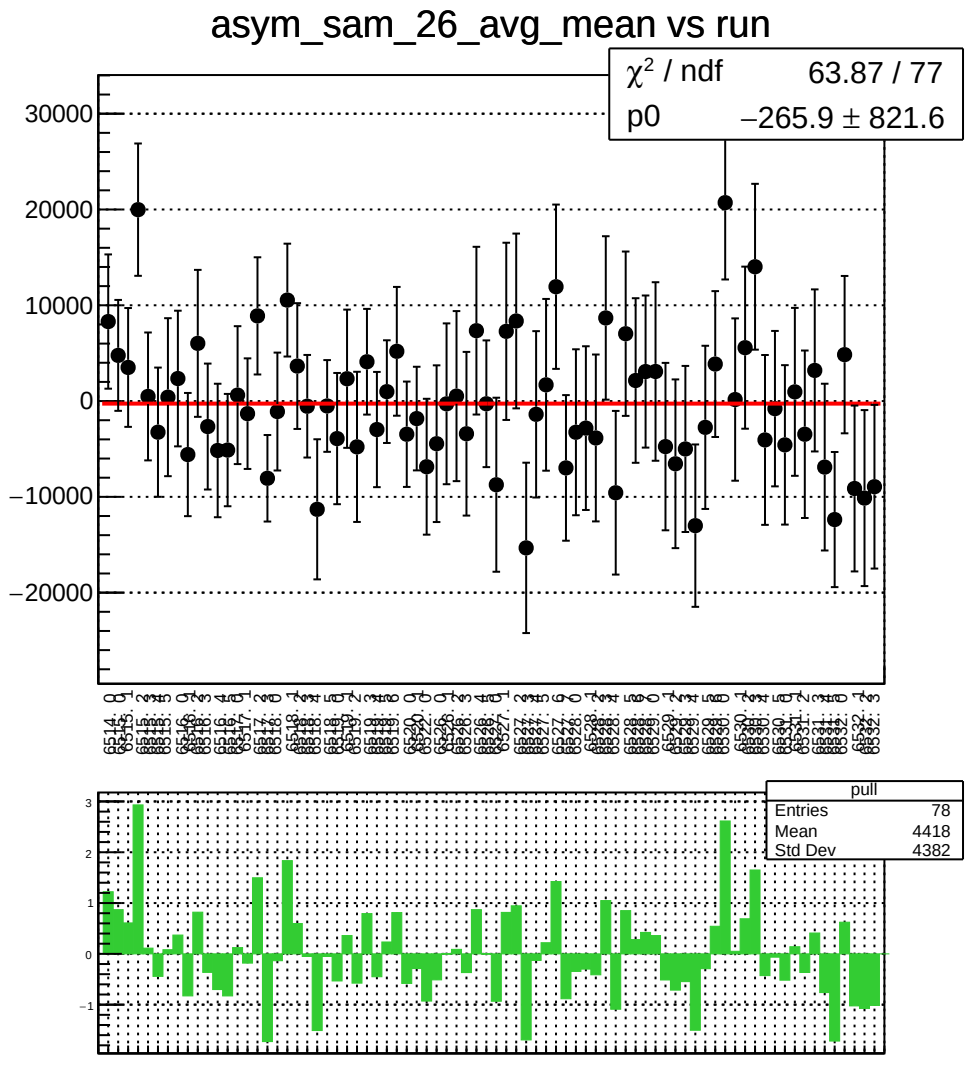

dit_asym_sam_26_avg_mean vs run
χ² / ndf 71.32 / 77
p0 108.8 ± 140.1
4000
2000
0
−2000
−4000
pull
Entries 78
Mean 282.4
Std Dev 233.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

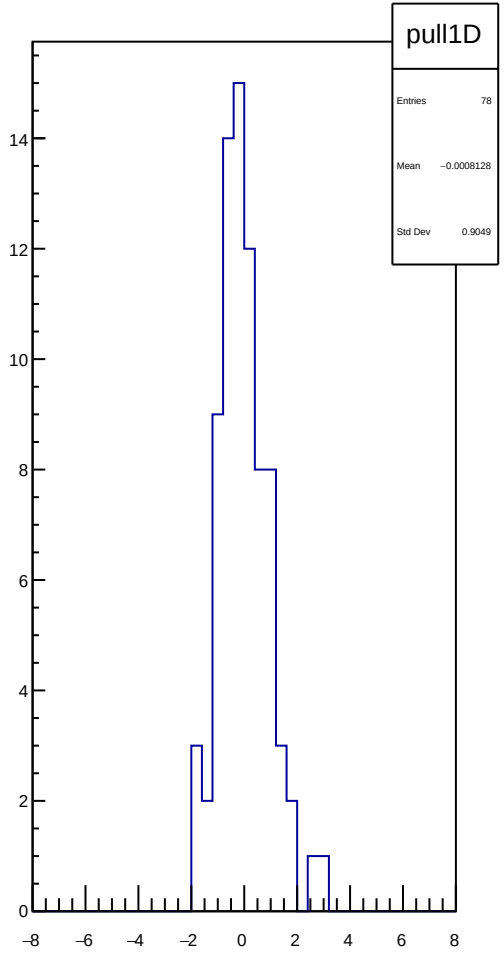

pull1D
Entries 78
Mean −0.01335
Std Dev 0.9561
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

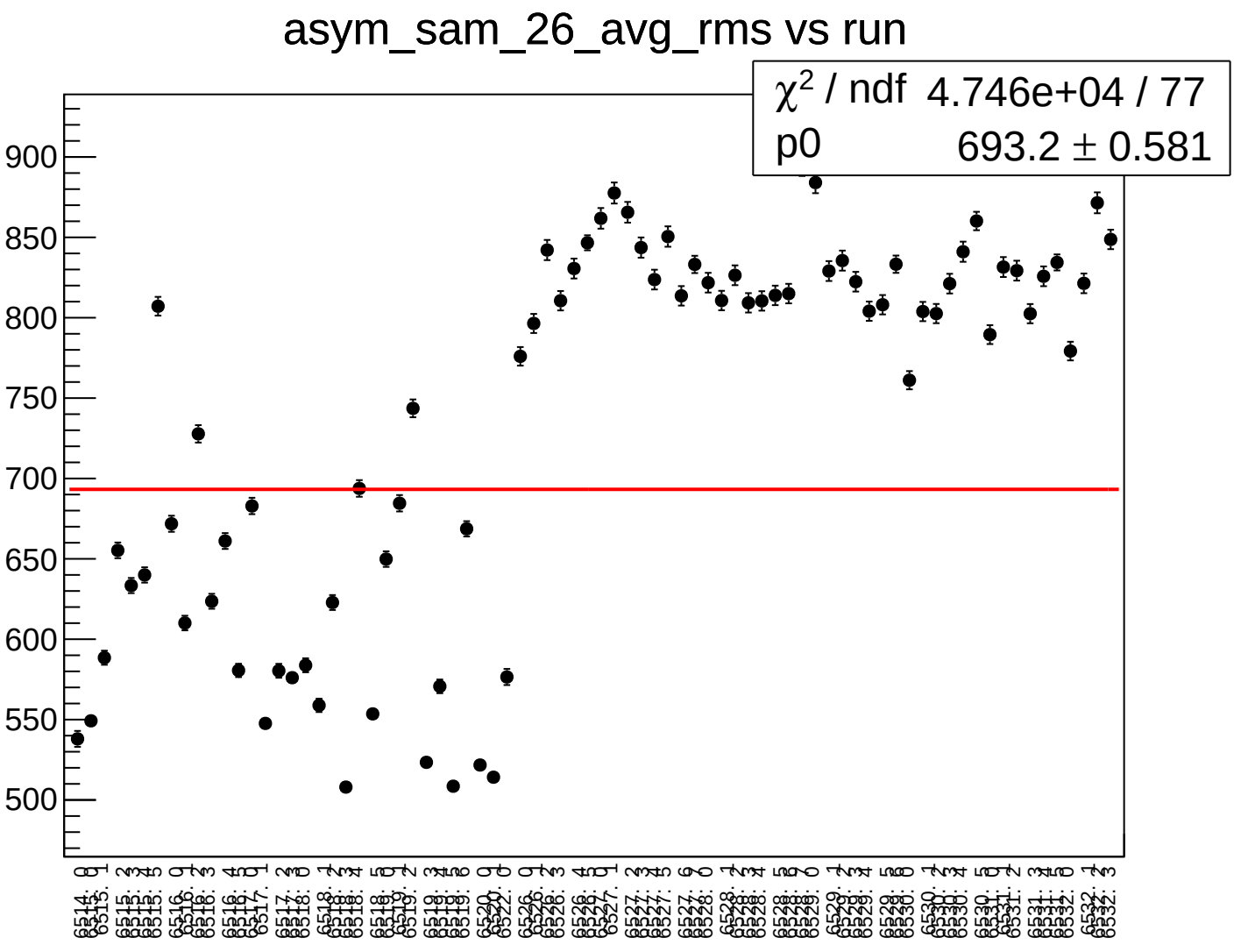

dit_asym_sam_26_avg_rms vs run
χ^2 / ndf 1.965e+04 / 77
p0 119.4 ± 0.09907
150
140
130
120
110
100

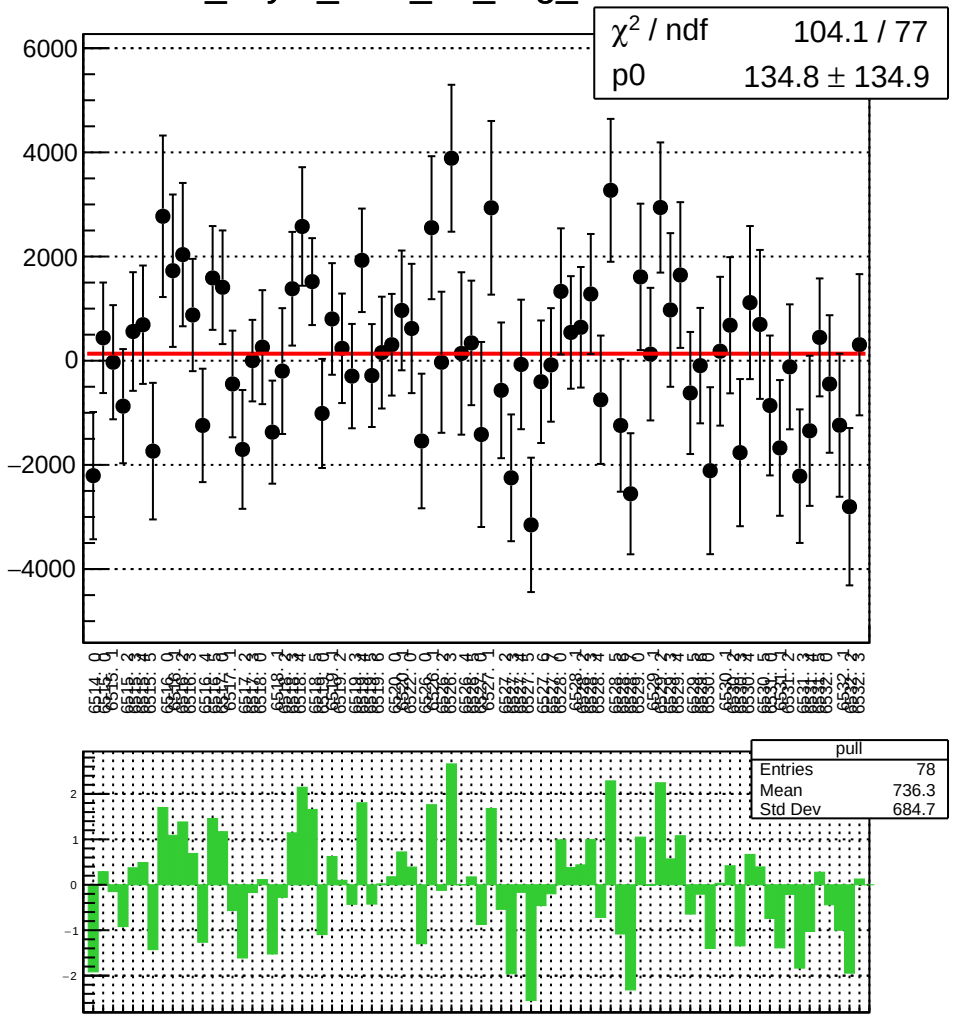

asym_sam_26_avg_correction_mean vs run
χ² / ndf 62.36 / 77
p0 503 ± 829.4
20000
10000
0
−10000
−20000
−30000
pull
Entries 78
Mean −264.9
Std Dev 298.9
2
1
0
−1
−2
−3
pull1D
Entries 78
Mean −0.01002
Std Dev 0.8941
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

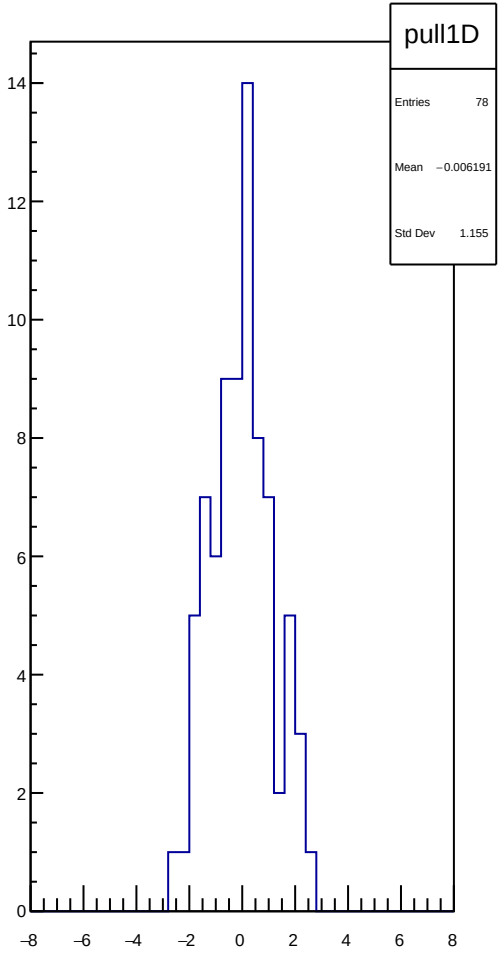

asym_sam_26_avg_correction_rms vs run
χ² / ndf 3.349e+04 / 77
p0 703.2 ± 0.5865
850
800
750
700
650
600
550

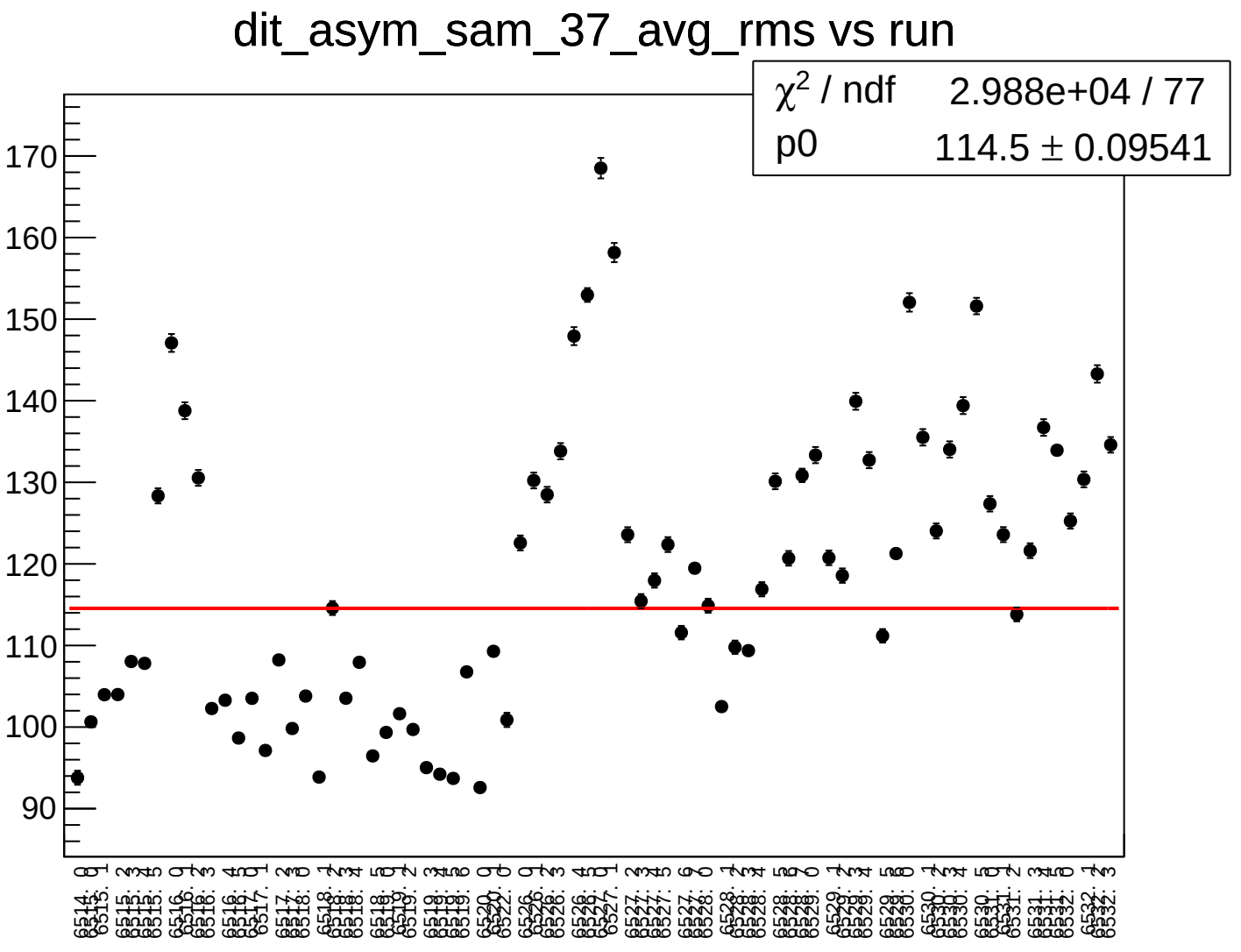

asym_sam_26_avg_mean vs run
χ² / ndf 63.87 / 77
p0 −265.9 ± 821.6
30000
20000
10000
0
−10000
−20000
pull
Entries 78
Mean 4418
Std Dev 4382
3
2
1
0
−1

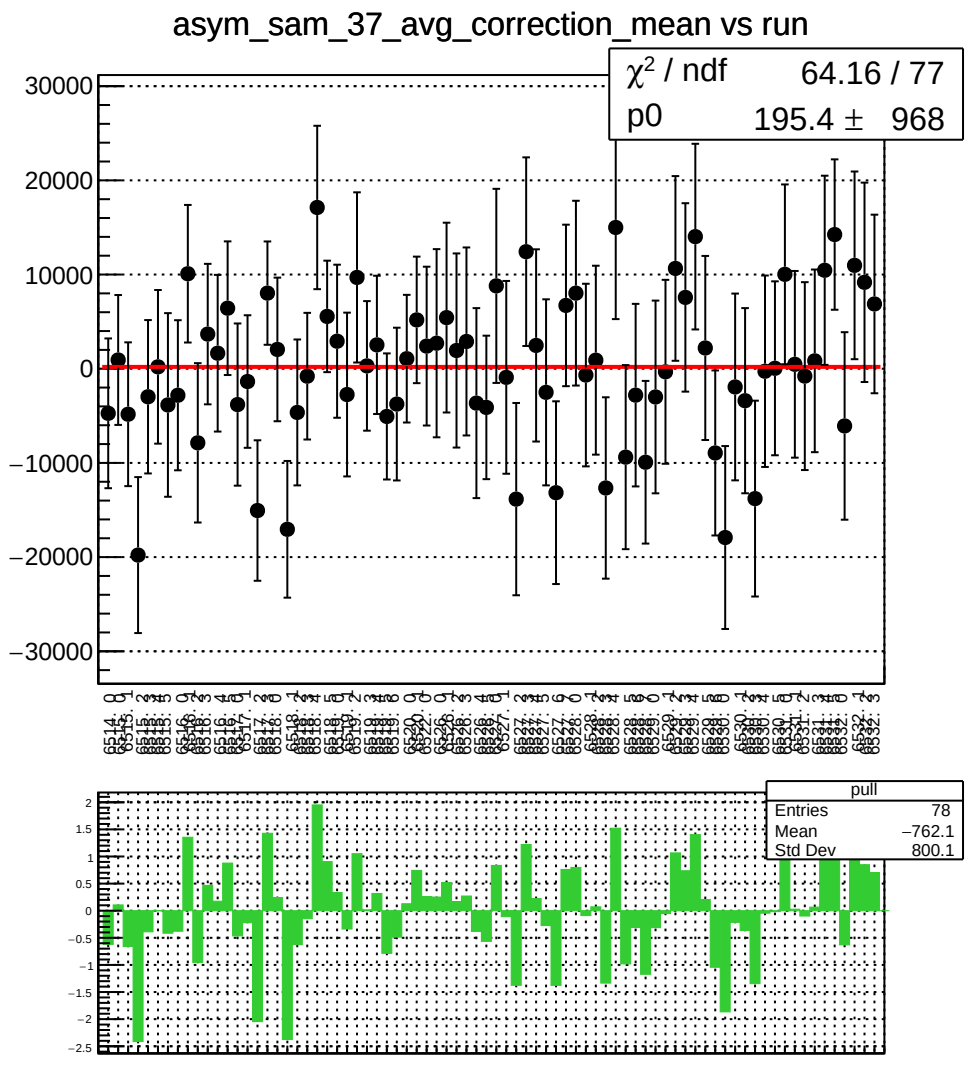

pull1D
Entries 78
Mean −0.0008128
Std Dev 0.9049
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

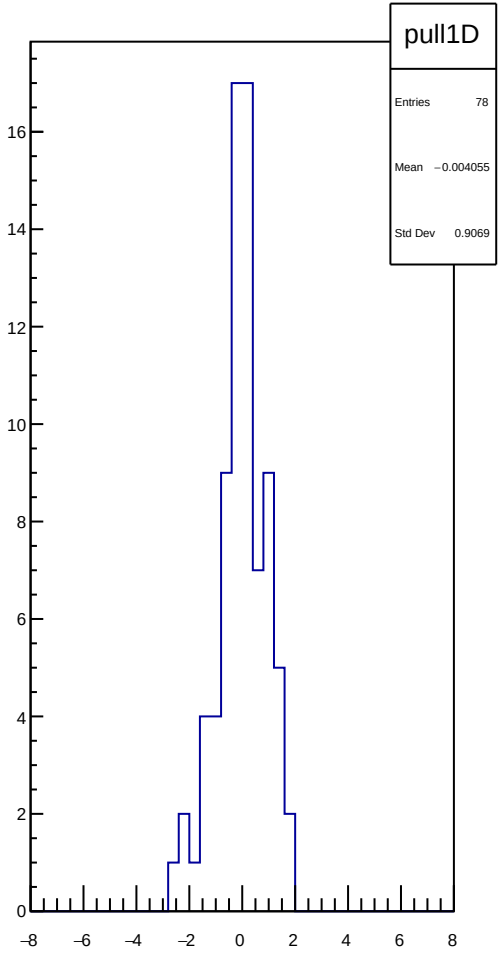

asym_sam_26_avg_rms vs run
χ^2 / ndf 4.746e+04 / 77
p0 693.2 ± 0.581
900
850
800
750
700
650
600
550
500

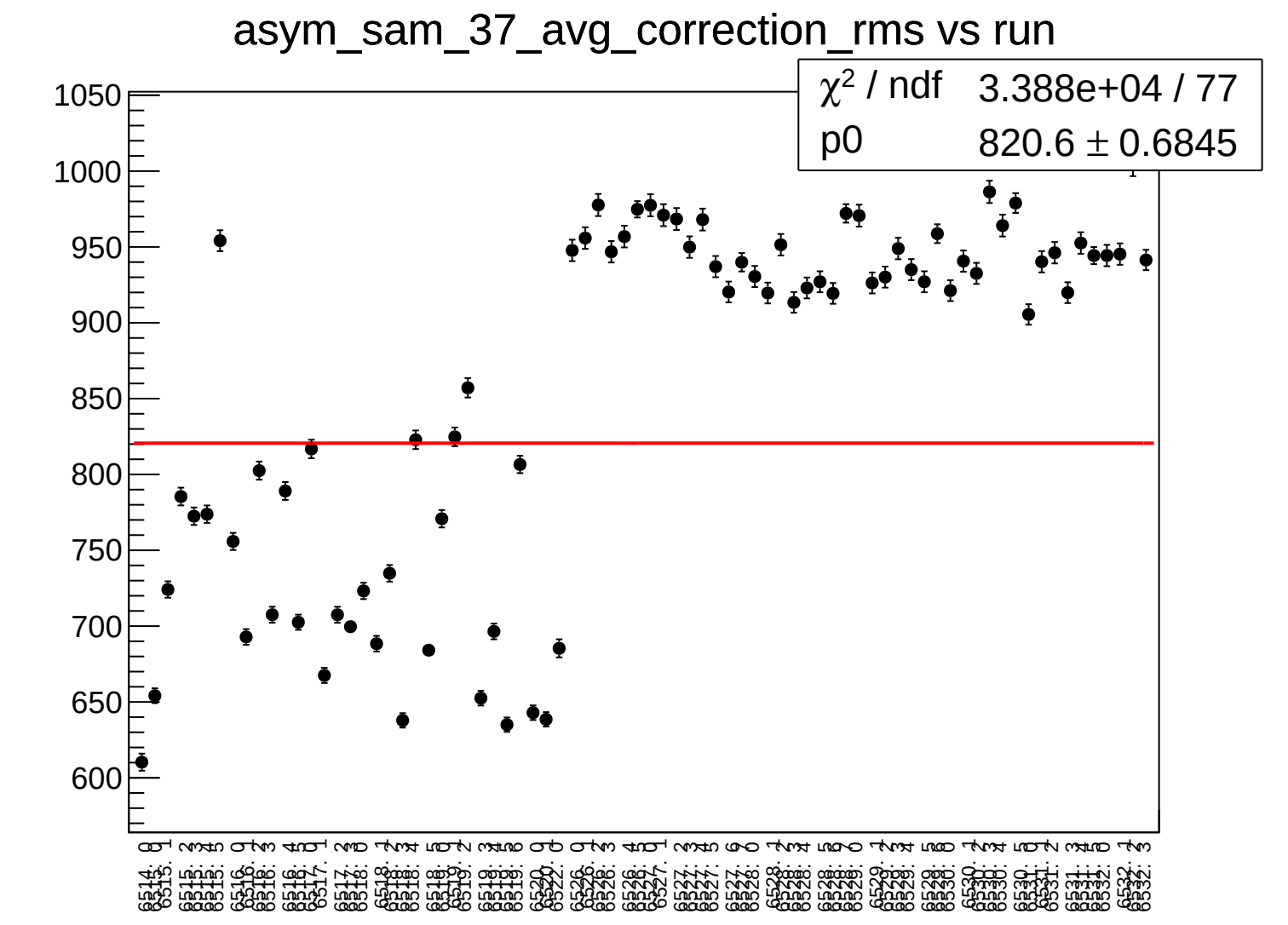

dit_asym_sam_37_avg_mean vs run
χ² / ndf 104.1 / 77
p0 134.8 ± 134.9
pull
Entries 78
Mean 736.3
Std Dev 684.7

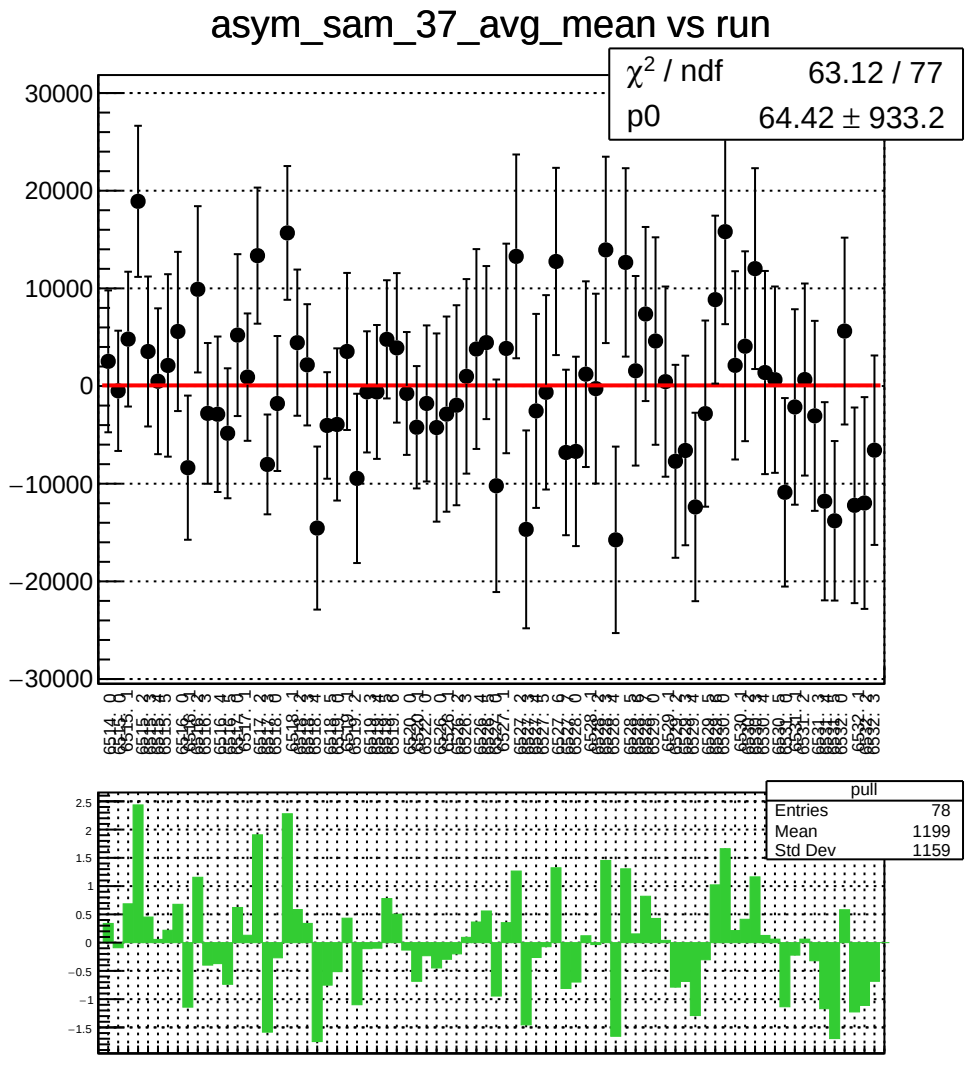

pull1D
Entries 78
Mean −0.006191
Std Dev 1.155

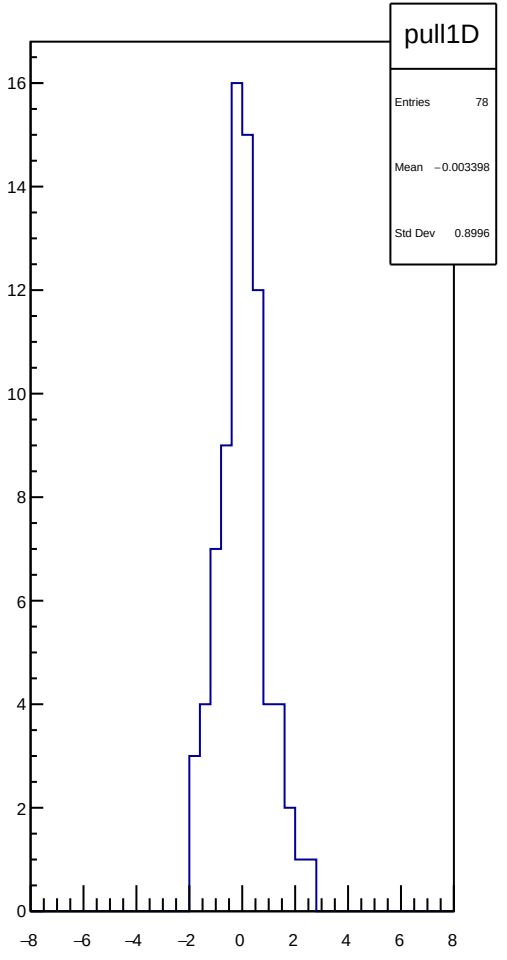

dit_asym_sam_37_avg_rms vs run
χ^2 / ndf 2.988e+04 / 77
p0 114.5 ± 0.09541
170
160
150
140
130
120
110
100
90

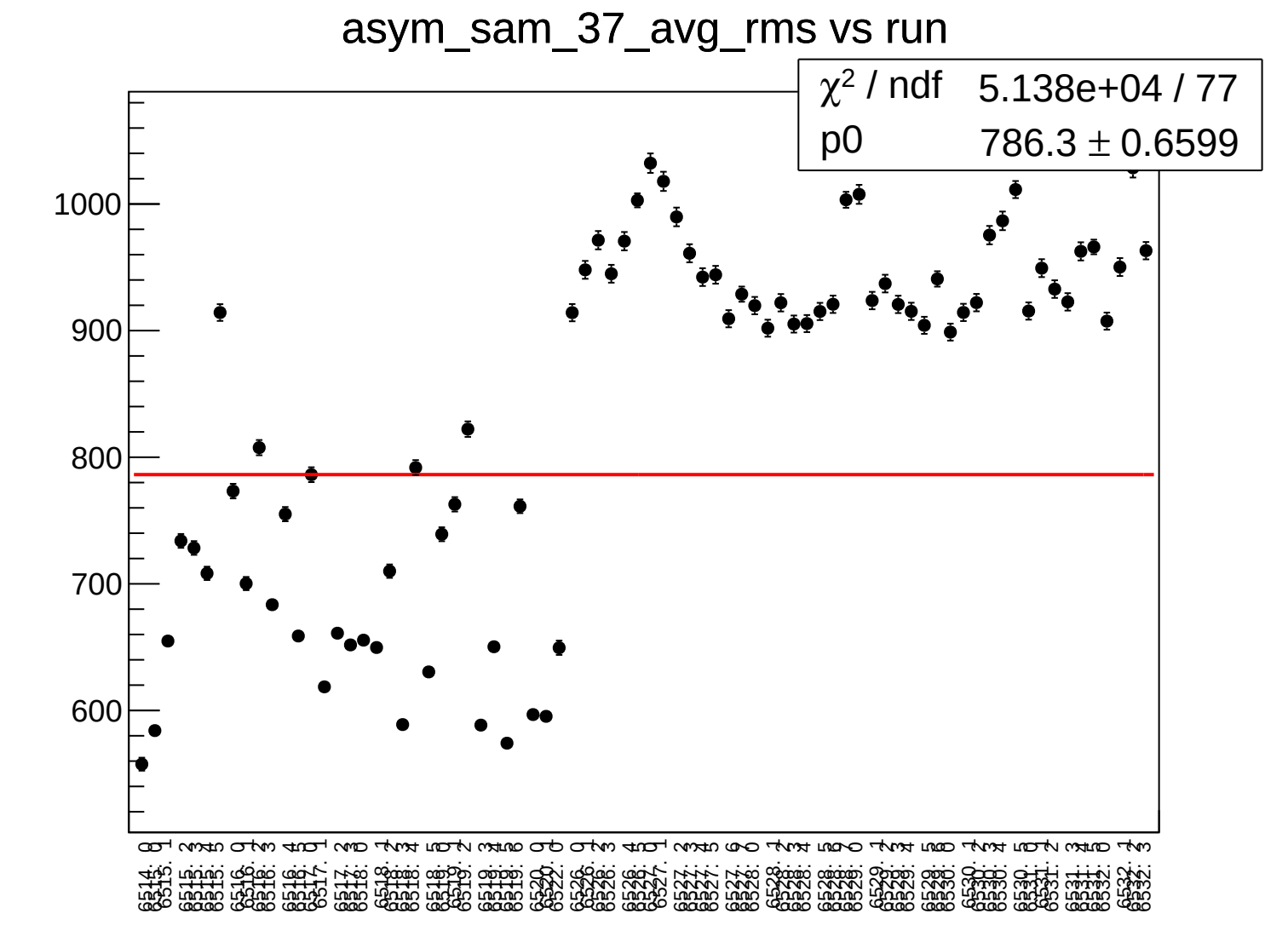

asym_sam_37_avg_correction_mean vs run
χ² / ndf 64.16 / 77
p0 195.4 ± 968
pull
Entries 78
Mean −762.1
Std Dev 800.1

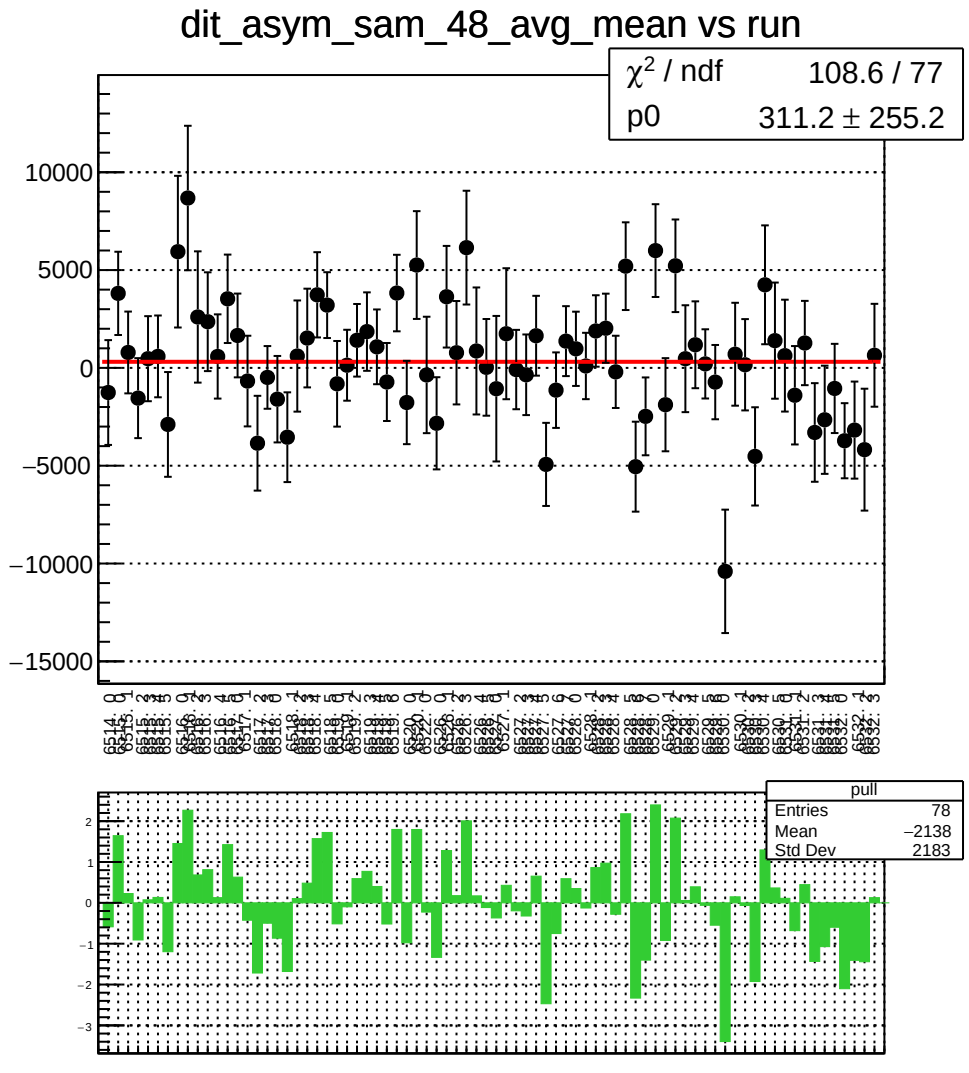

pull1D
Entries 78
Mean −0.004055
Std Dev 0.9069

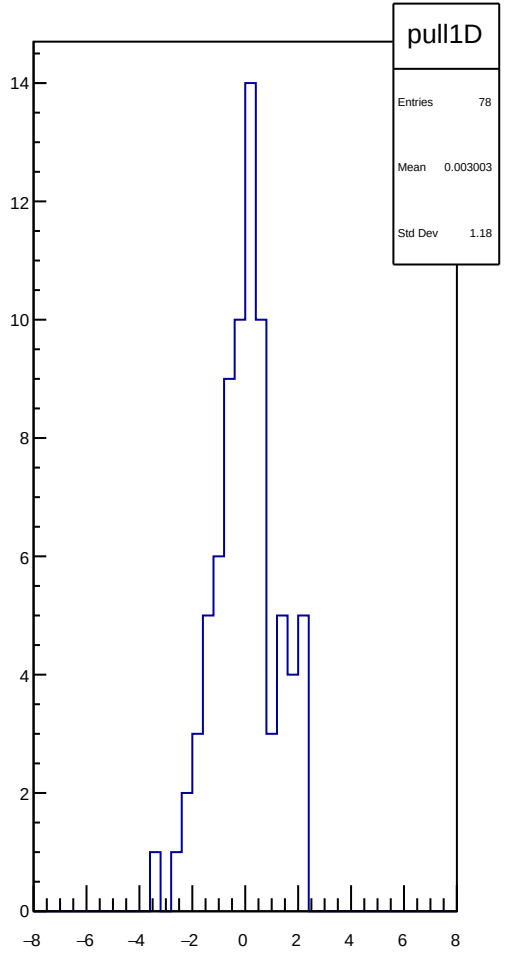

asym_sam_37_avg_correction_rms vs run
χ² / ndf 3.388e+04 / 77
p0 820.6 ± 0.6845
1050
1000
950
900
850
800
750
700
650
600

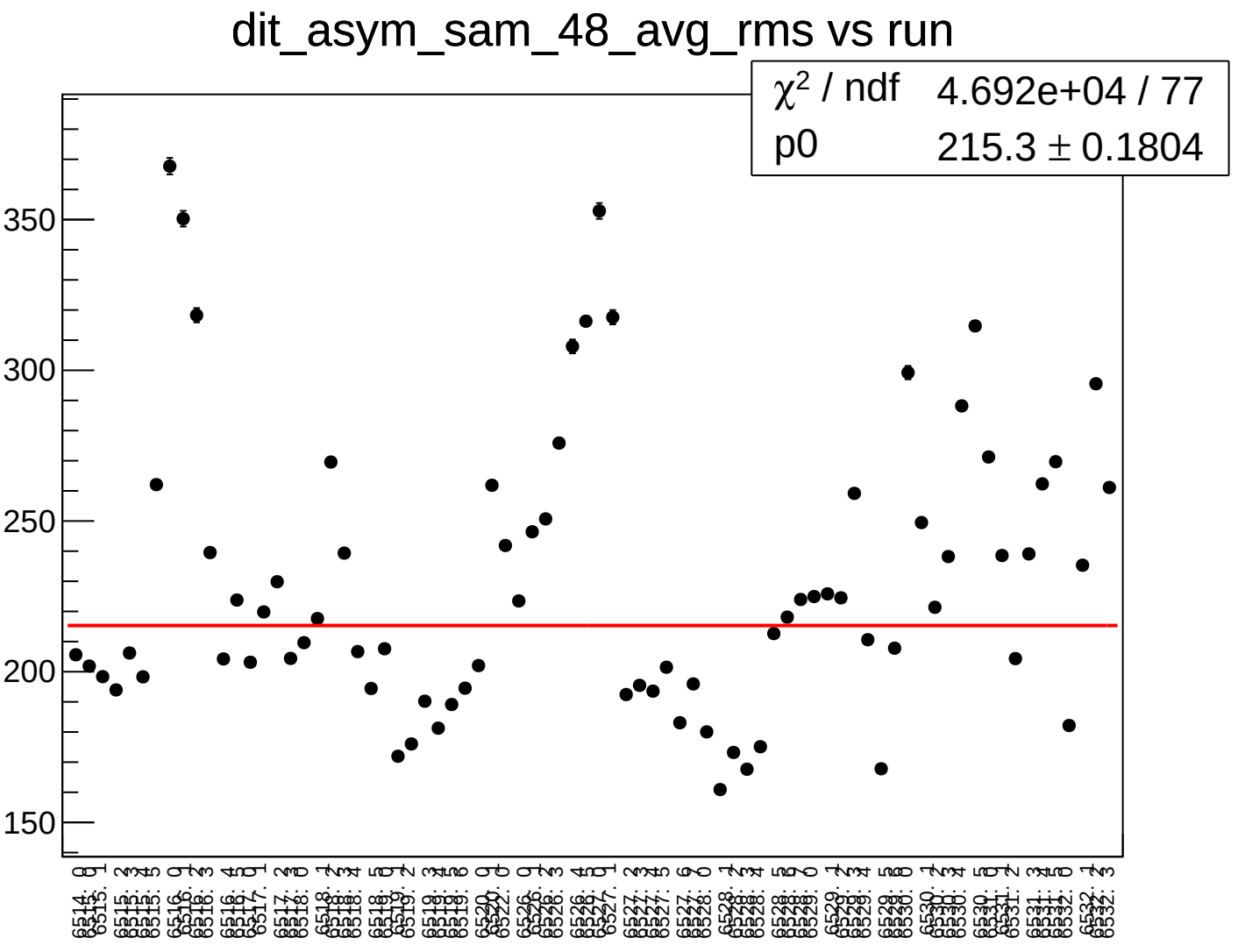

asym_sam_37_avg_mean vs run
χ² / ndf 63.12 / 77
p0 64.42 ± 933.2
pull
Entries 78
Mean 1199
Std Dev 1159

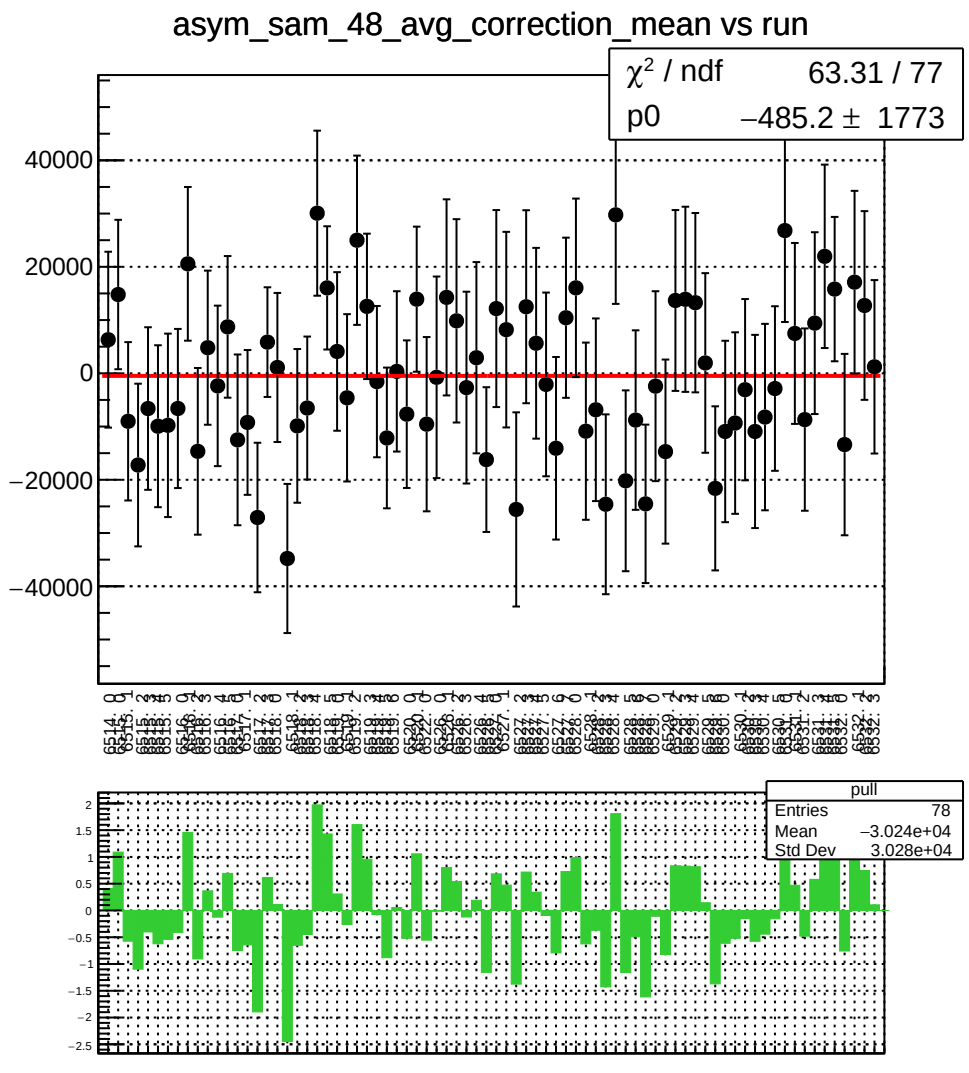

pull1D
Entries 78
Mean −0.003398
Std Dev 0.8996

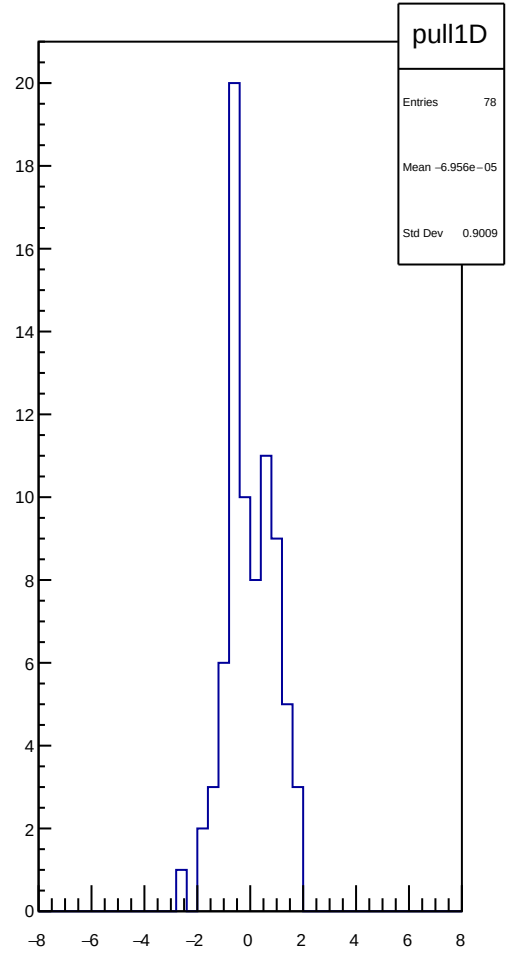

asym_sam_37_avg_rms vs run
χ² / ndf 5.138e+04 / 77
p0 786.3 ± 0.6599
1000
900
800
700
600

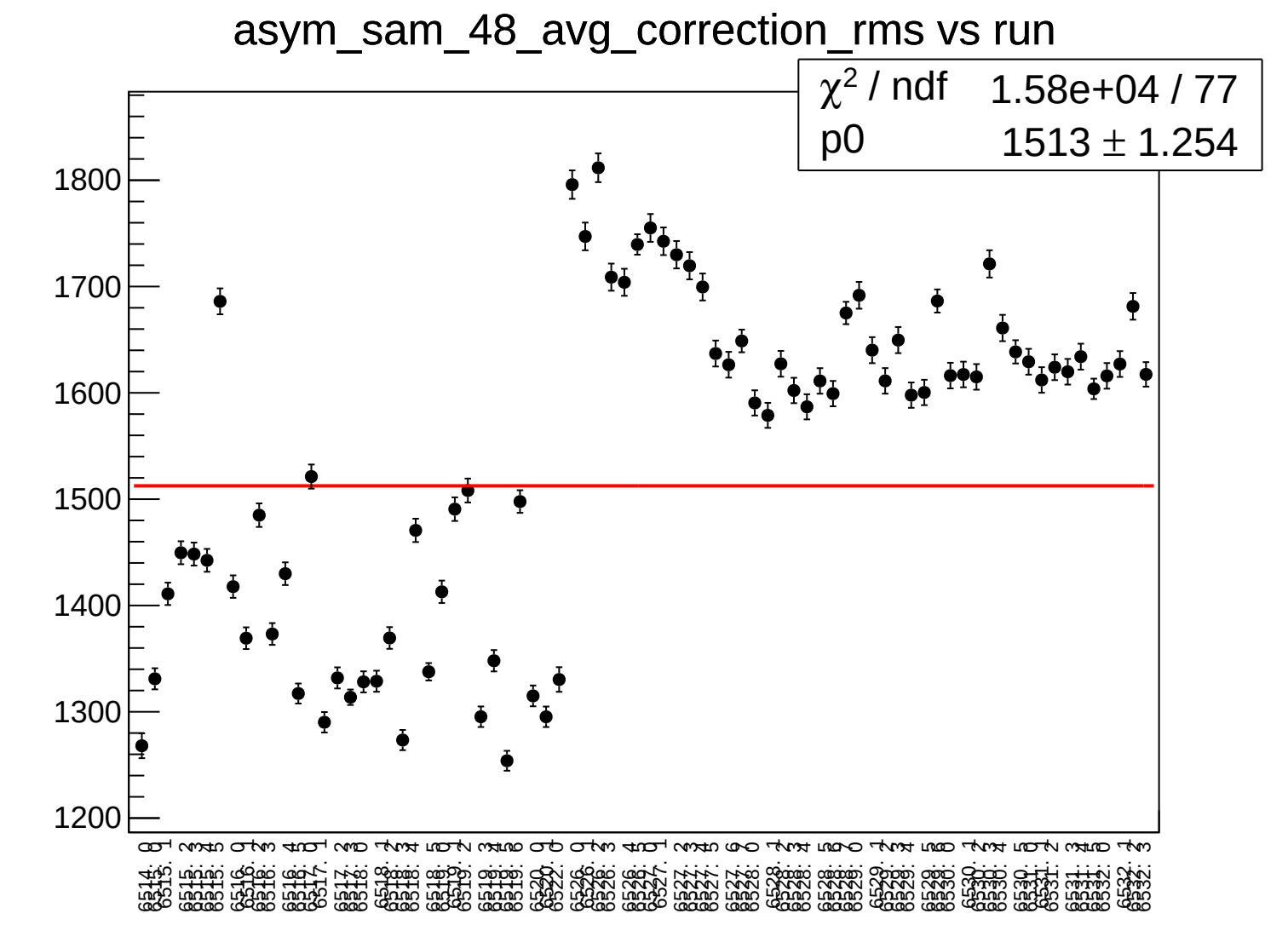

dit_asym_sam_48_avg_mean vs run
χ² / ndf 108.6 / 77
p0 311.2 ± 255.2
10000
5000
0
−5000
−10000
−15000
pull
Entries 78
Mean −2138
Std Dev 2183
2
1
0
−1
−2
−3

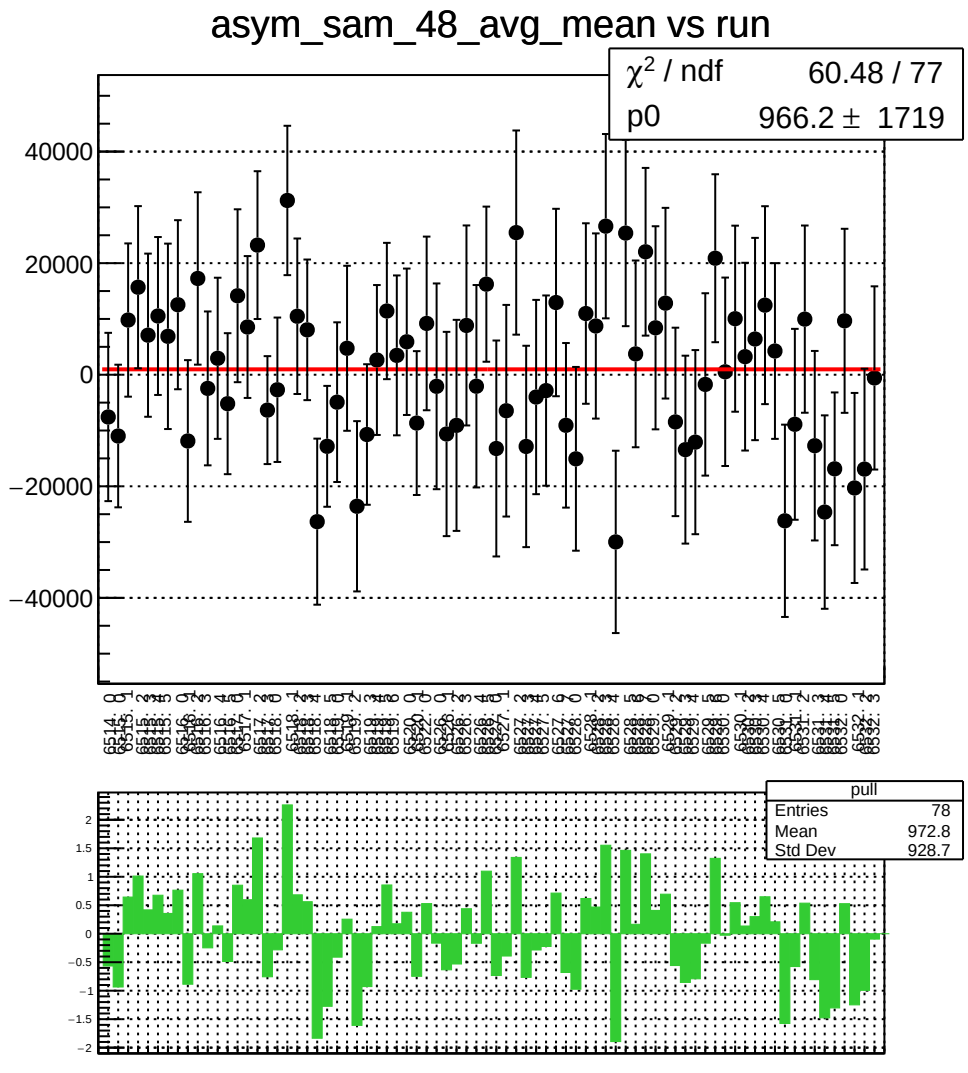

pull1D
Entries 78
Mean 0.003003
Std Dev 1.18
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

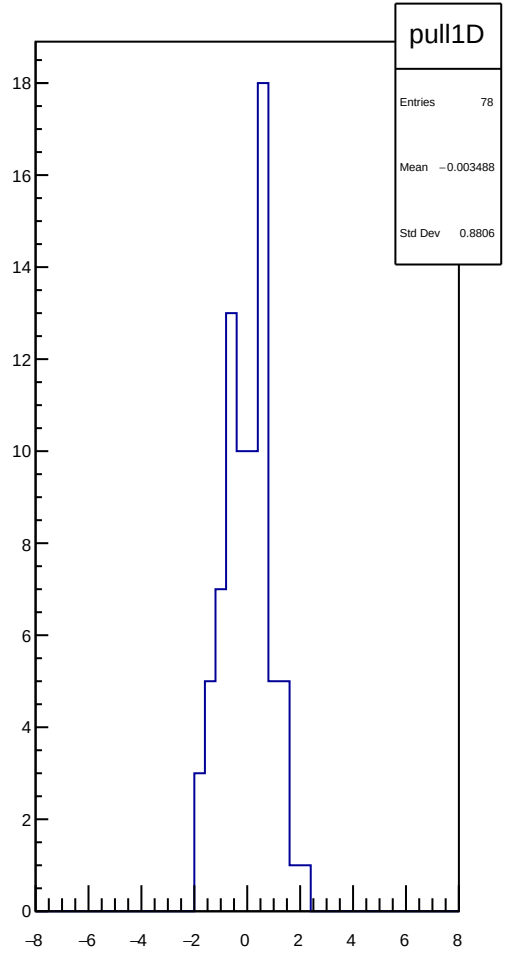

dit_asym_sam_48_avg_rms vs run
χ² / ndf 4.692e+04 / 77
p0 215.3 ± 0.1804
350
300
250
200
150

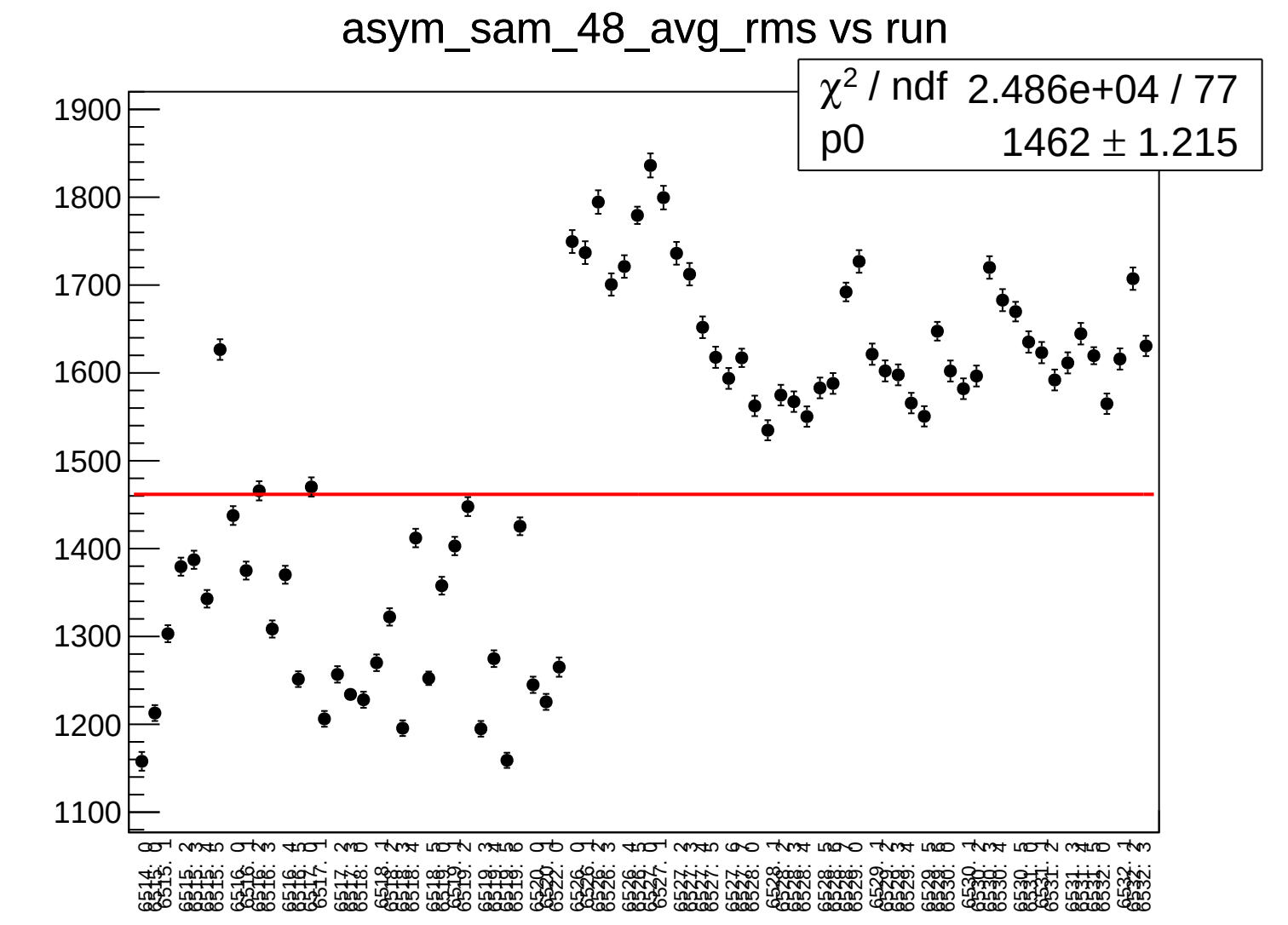

asym_sam_48_avg_correction_mean vs run
χ² / ndf 63.31 / 77
p0 −485.2 ± 1773
40000
20000
0
−20000
−40000
pull
Entries 78
Mean −3.024e+04
Std Dev 3.028e+04
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

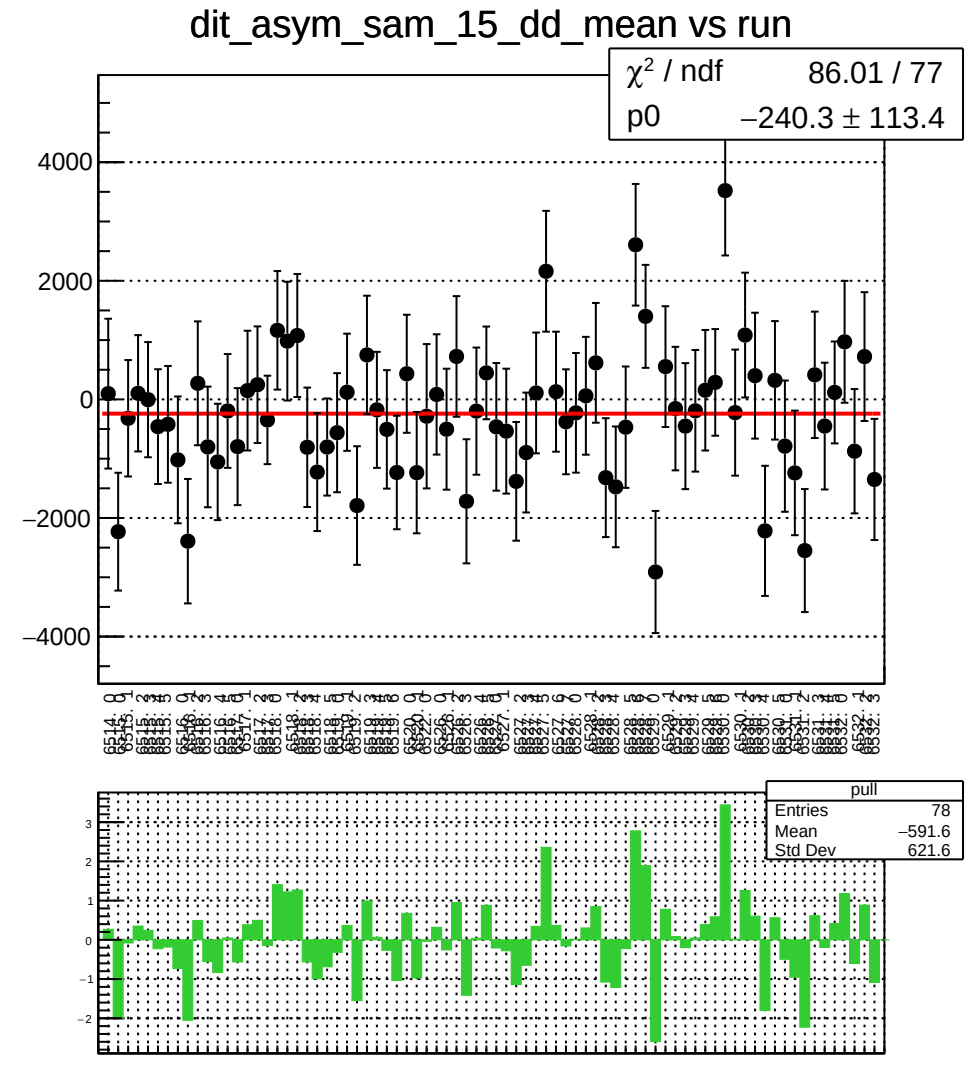

pull1D
Entries 78
Mean −6.956e−05
Std Dev 0.9009
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

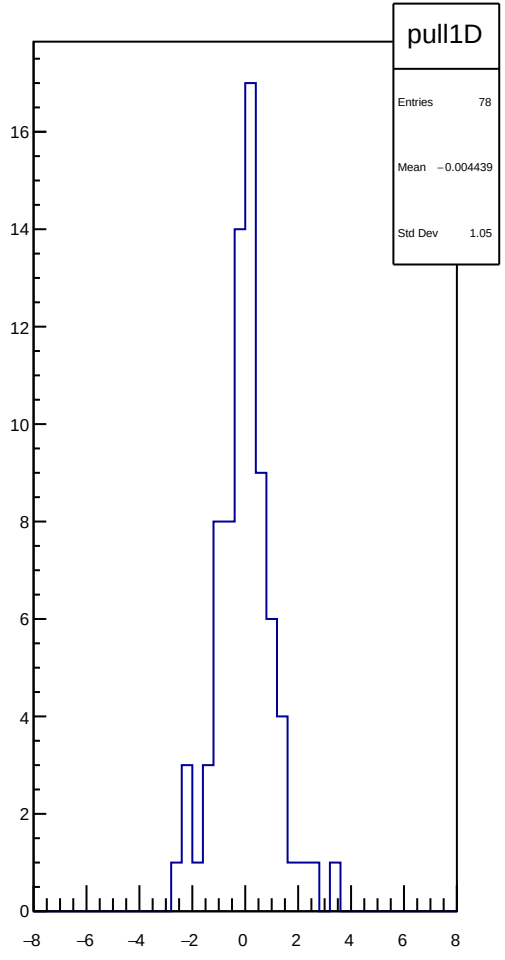

asym_sam_48_avg_correction_rms vs run
χ² / ndf 1.58e+04 / 77
p0 1513 ± 1.254
1800
1700
1600
1500
1400
1300
1200

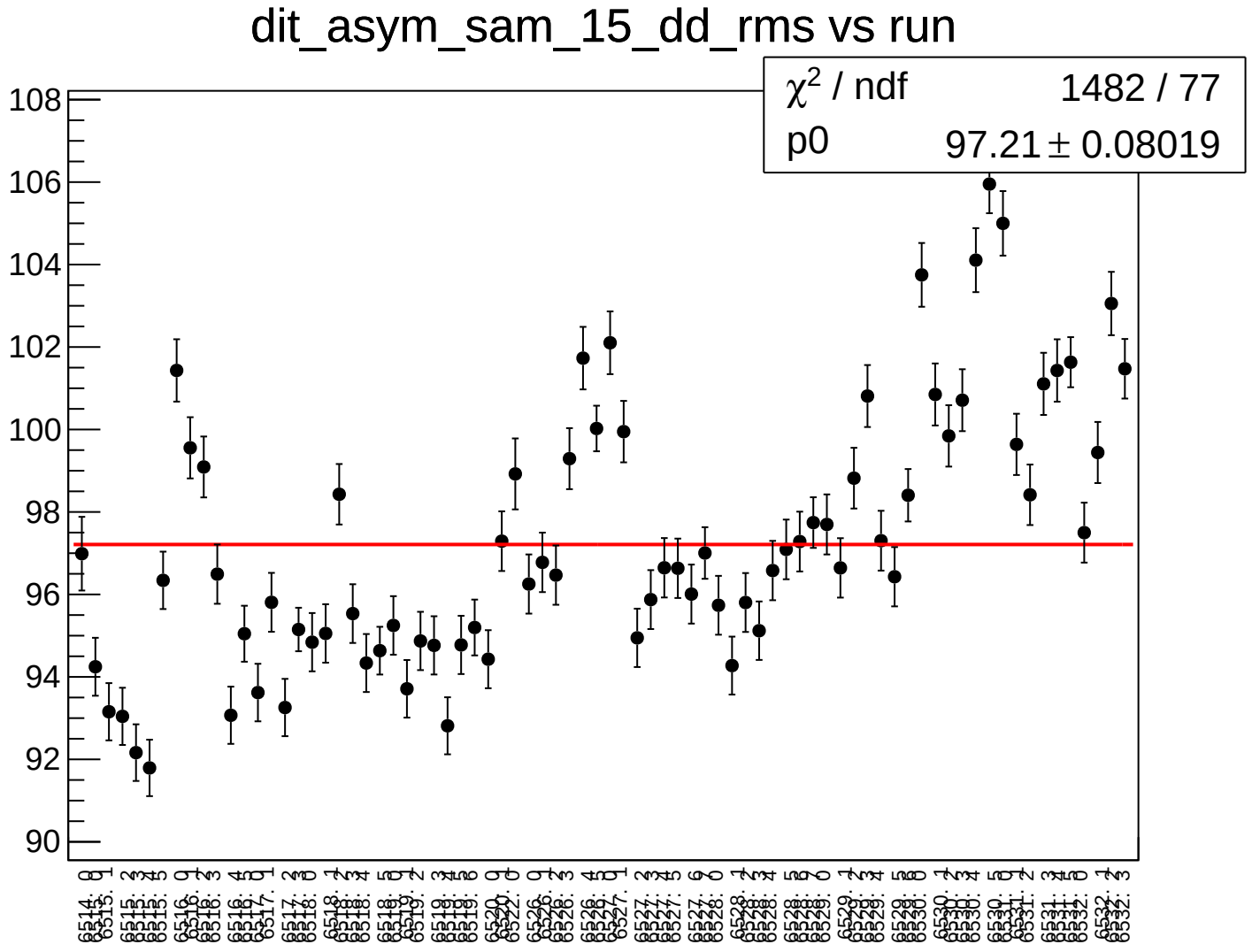

asym_sam_48_avg_mean vs run
χ² / ndf 60.48 / 77
p0 966.2 ± 1719
40000
20000
0
−20000
−40000
pull
Entries 78
Mean 972.8
Std Dev 928.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

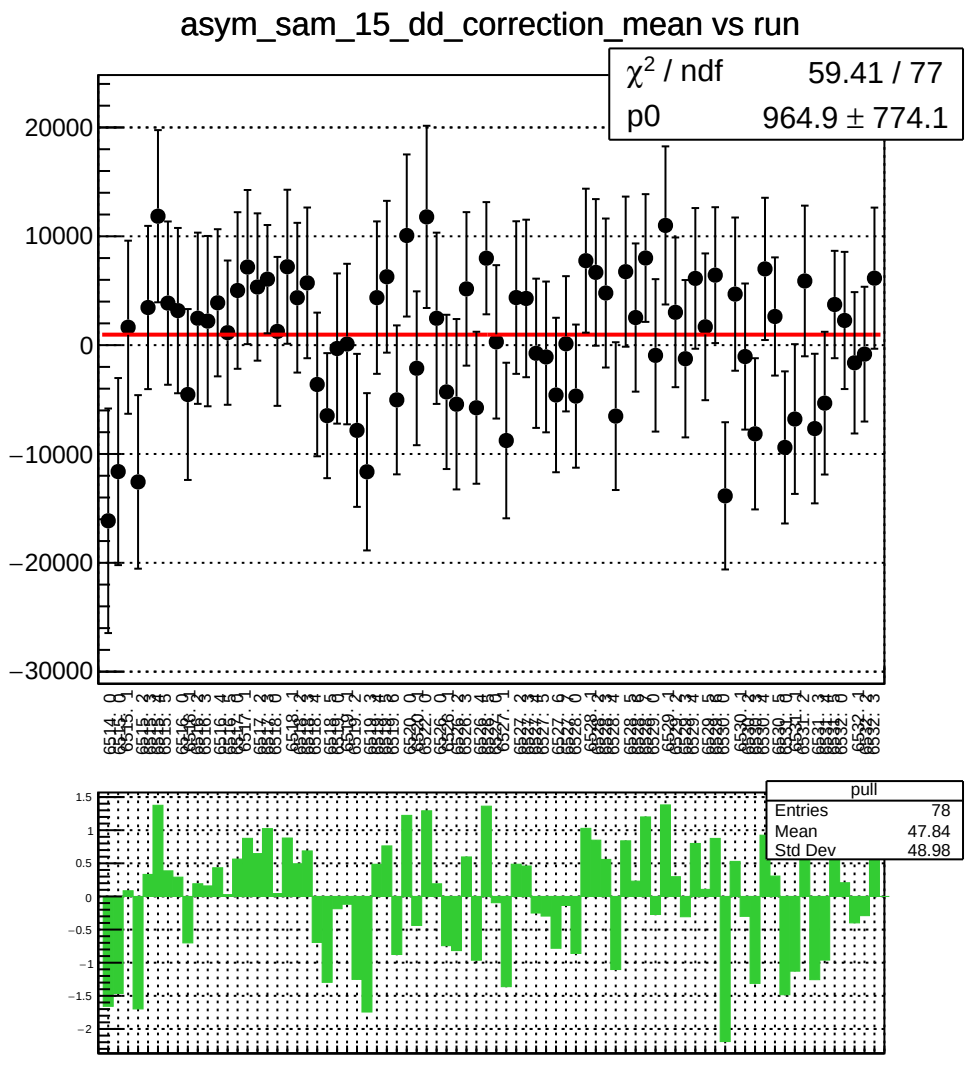

pull1D
Entries 78
Mean −0.003488
Std Dev 0.8806
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

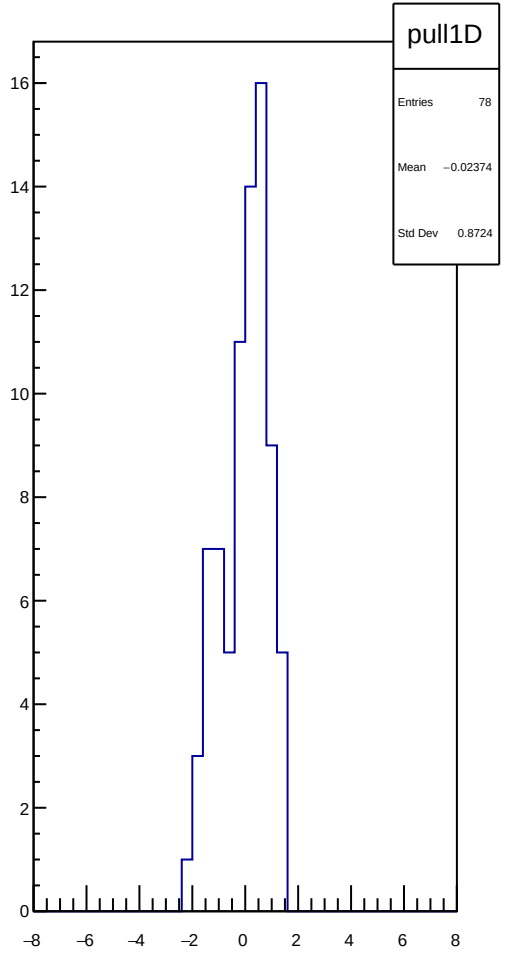

asym_sam_48_avg_rms vs run
χ² / ndf 2.486e+04 / 77
p0 1462 ± 1.215
1900
1800
1700
1600
1500
1400
1300
1200
1100

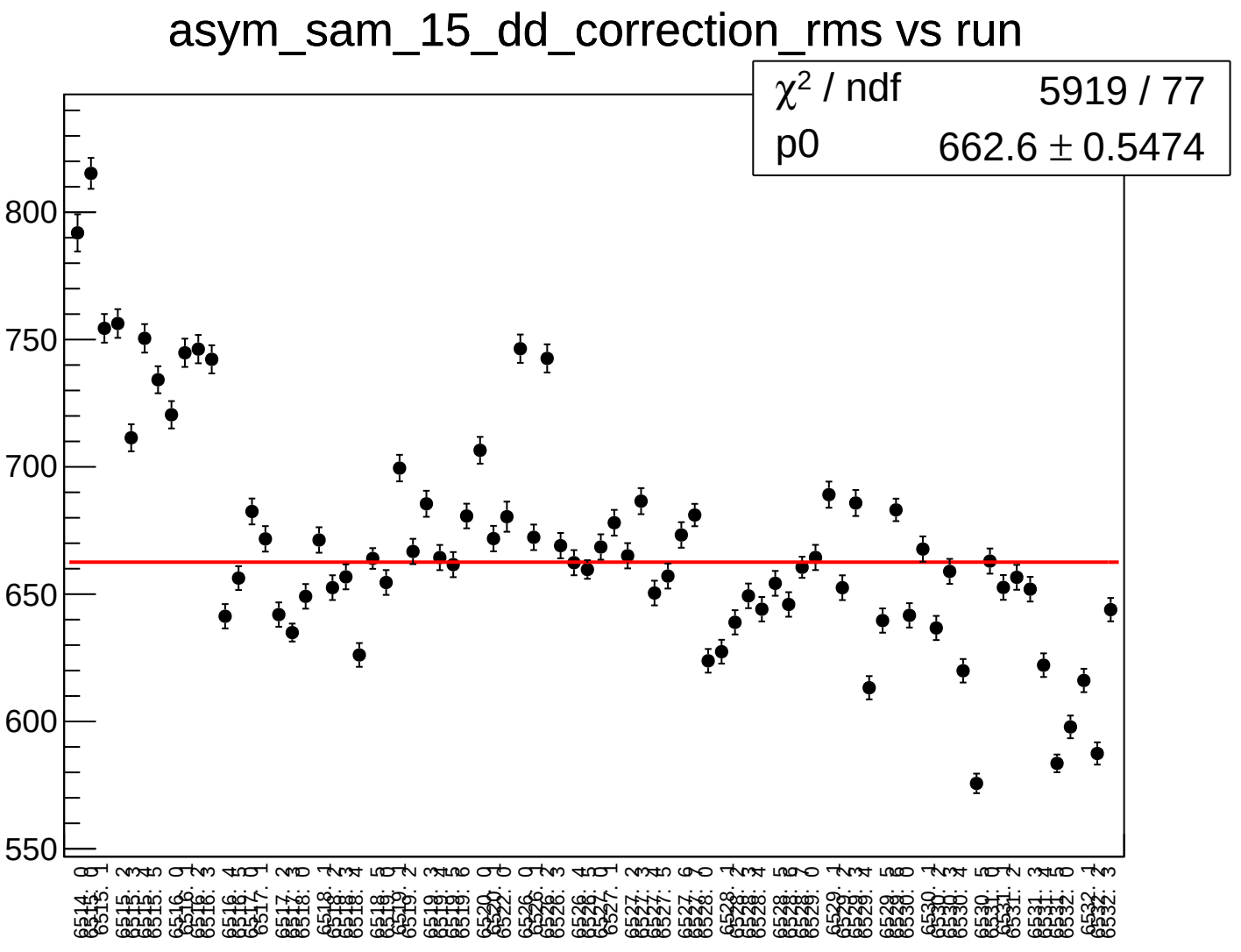

dit_asym_sam_15_dd_mean vs run
χ² / ndf 86.01 / 77
p0 −240.3 ± 113.4
4000
2000
0
−2000
−4000
pull
Entries 78
Mean −591.6
Std Dev 621.6
3
2
1
0
−1
−2

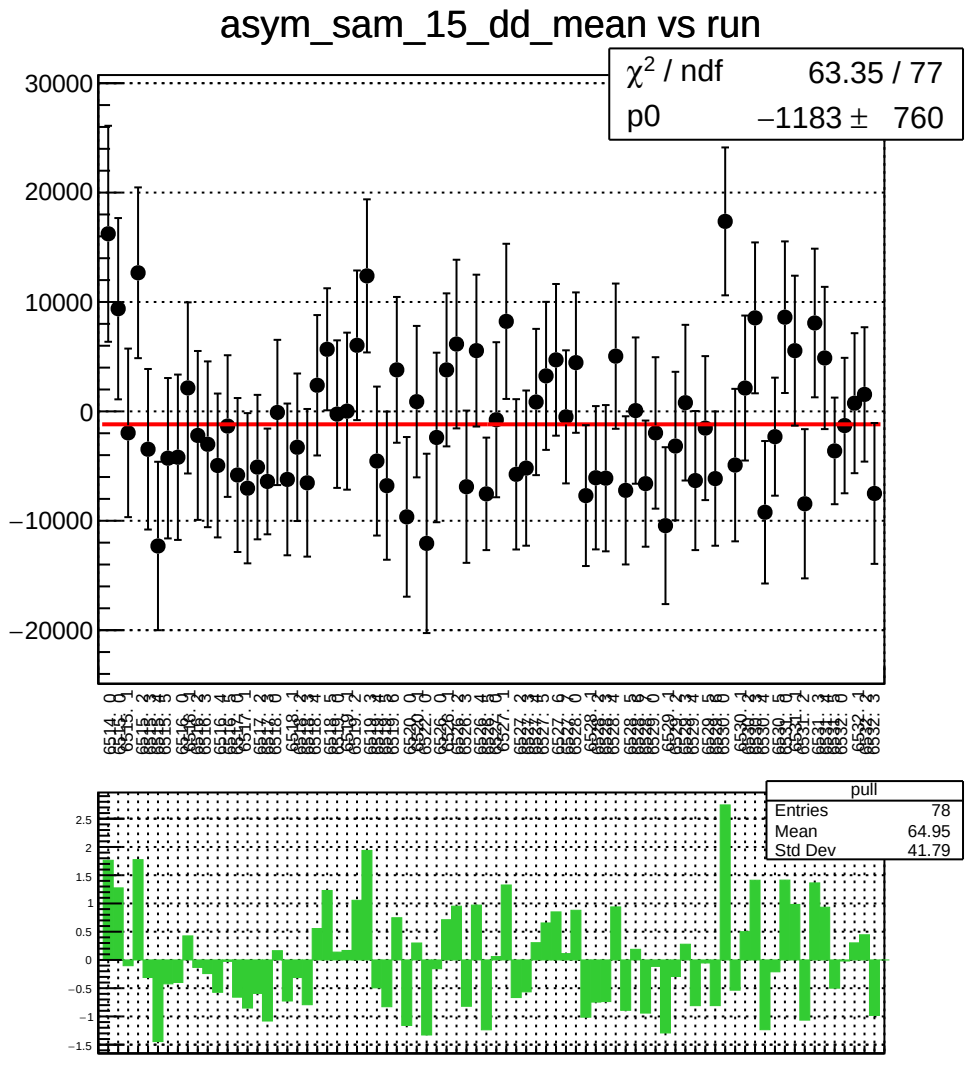

pull1D
Entries 78
Mean −0.004439
Std Dev 1.05
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

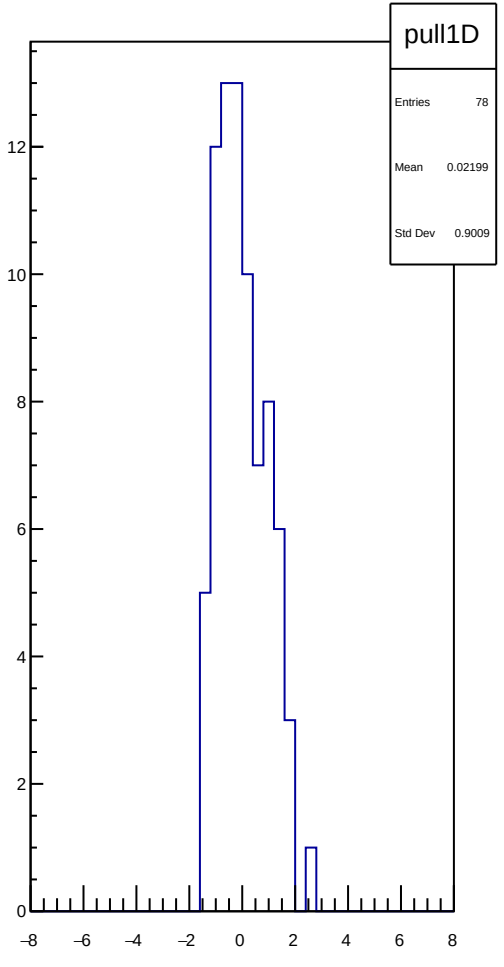

dit_asym_sam_15_dd_rms vs run
χ² / ndf 1482 / 77
p0 97.21 ± 0.08019
108
106
104
102
100
98
96
94
92
90

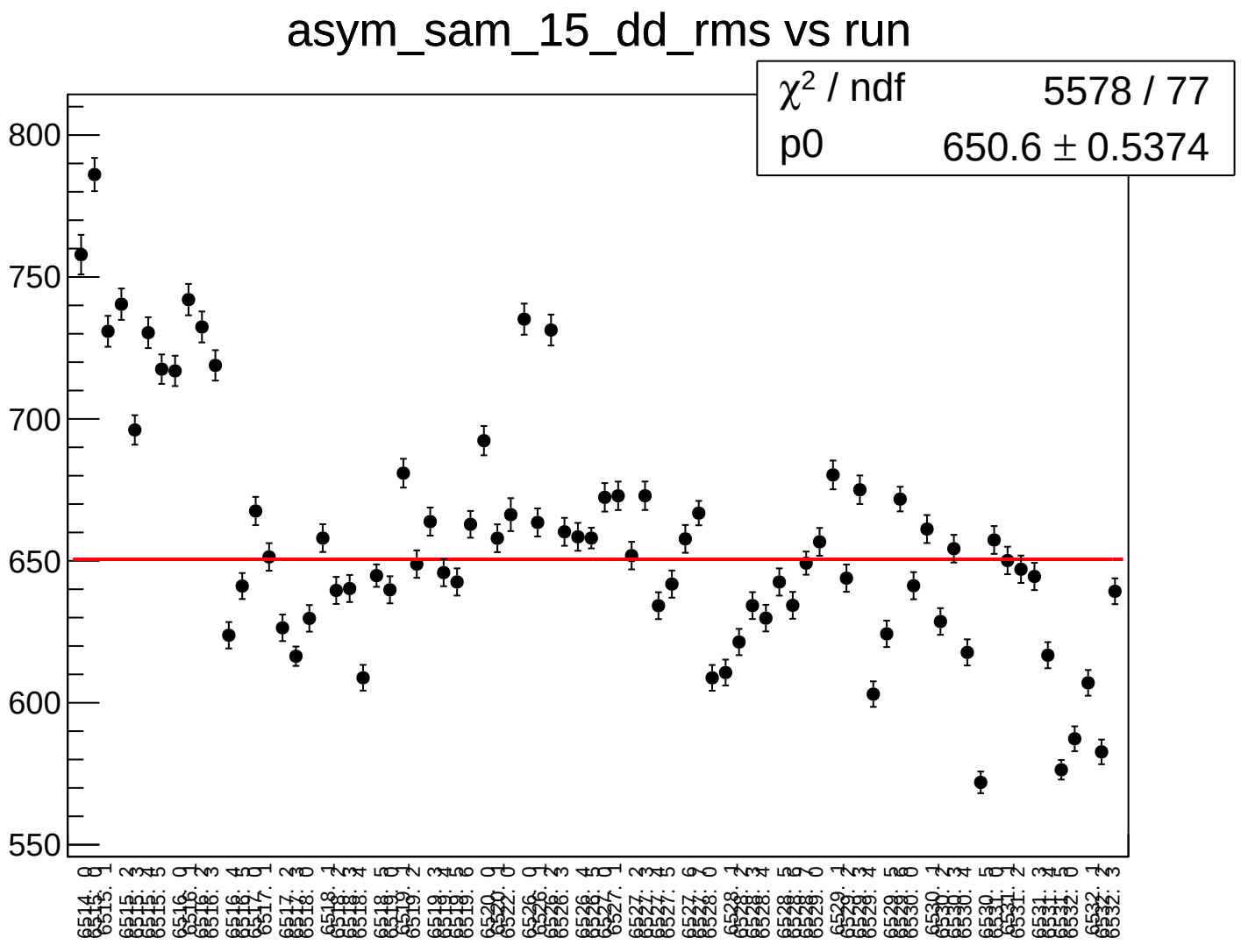

asym_sam_15_dd_correction_mean vs run
χ² / ndf 59.41 / 77
p0 964.9 ± 774.1
20000
10000
0
−10000
−20000
−30000
pull
Entries 78
Mean 47.84
Std Dev 48.98
1.5
1
0.5
0
−0.5
−1
−1.5
−2

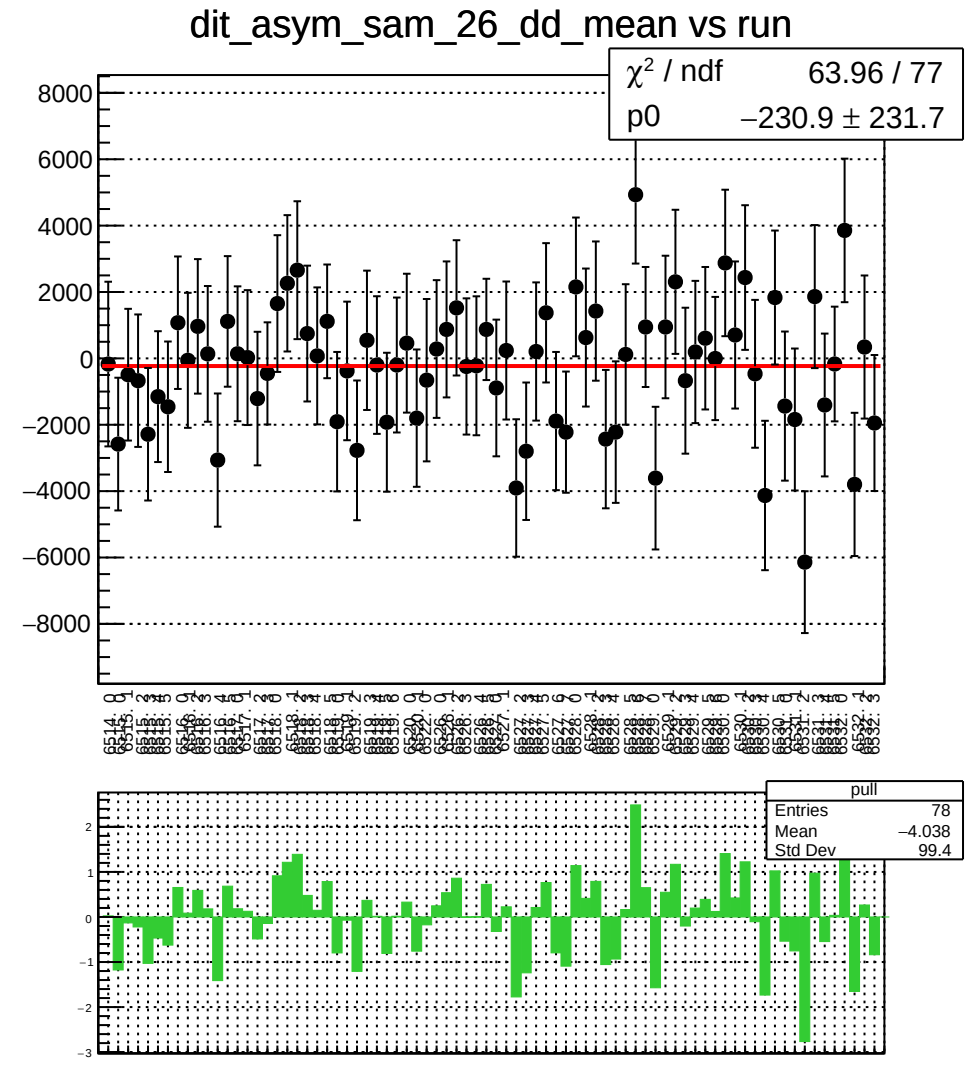

pull1D
Entries 78
Mean −0.02374
Std Dev 0.8724
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

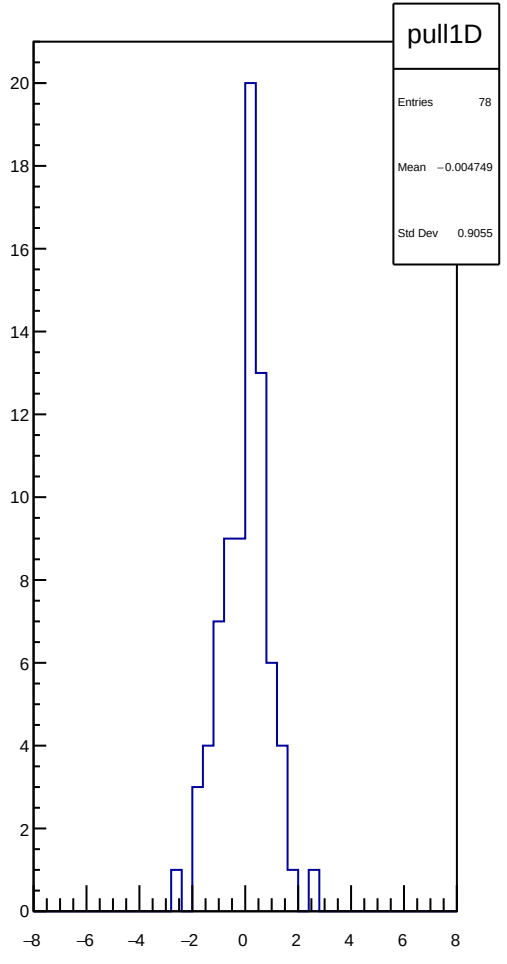

asym_sam_15_dd_correction_rms vs run
χ² / ndf 5919 / 77
p0 662.6 ± 0.5474
800
750
700
650
600
550

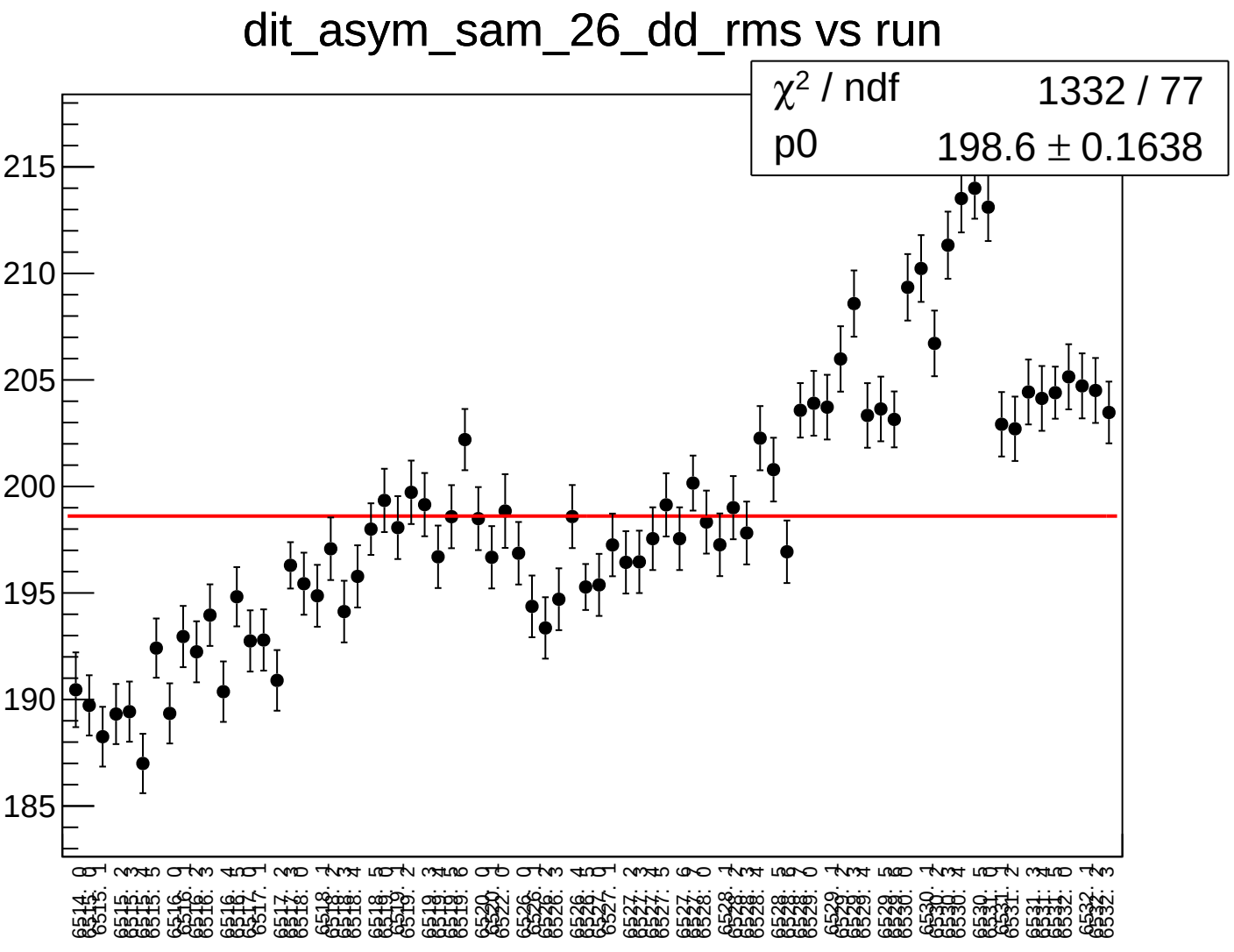

asym_sam_15_dd_mean vs run
χ² / ndf 63.35 / 77
p0 −1183 ± 760
pull
Entries 78
Mean 64.95
Std Dev 41.79

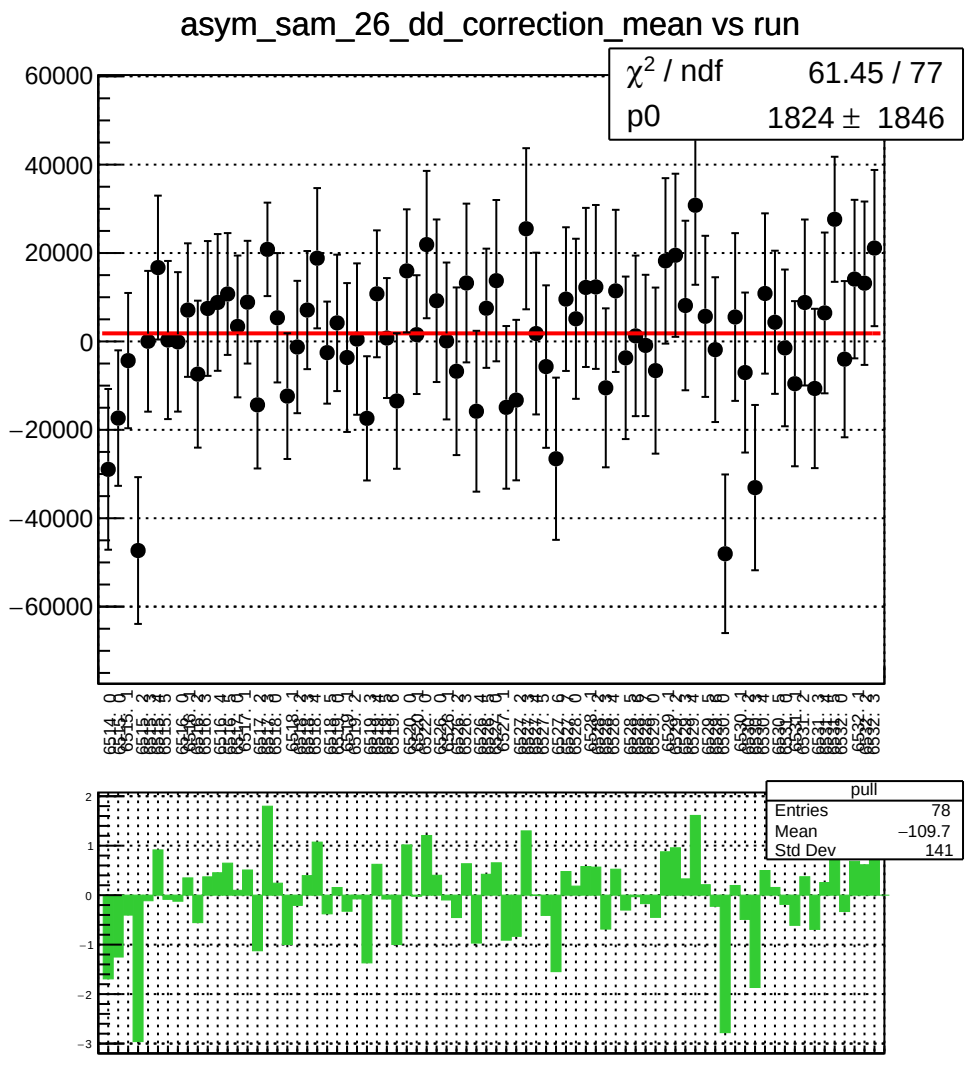

pull1D
Entries 78
Mean 0.02199
Std Dev 0.9009

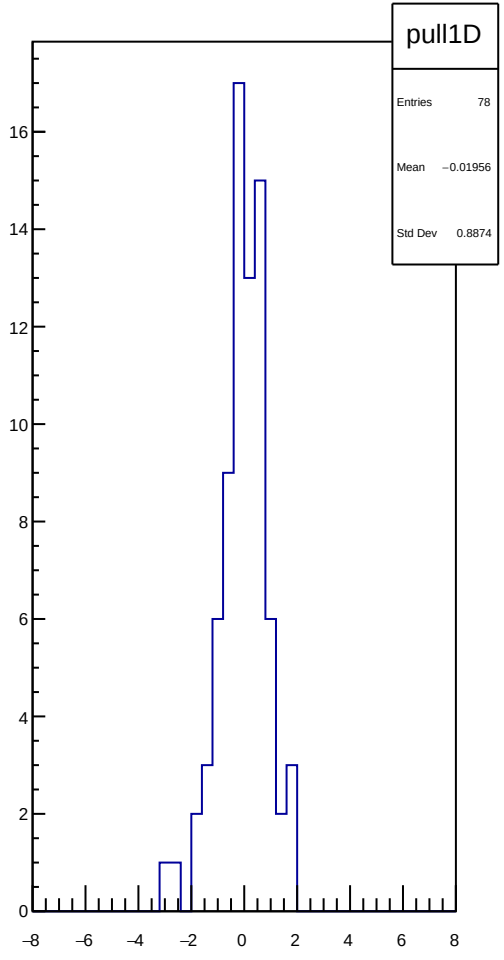

asym_sam_15_dd_rms vs run
χ² / ndf 5578 / 77
p0 650.6 ± 0.5374
800
750
700
650
600
550

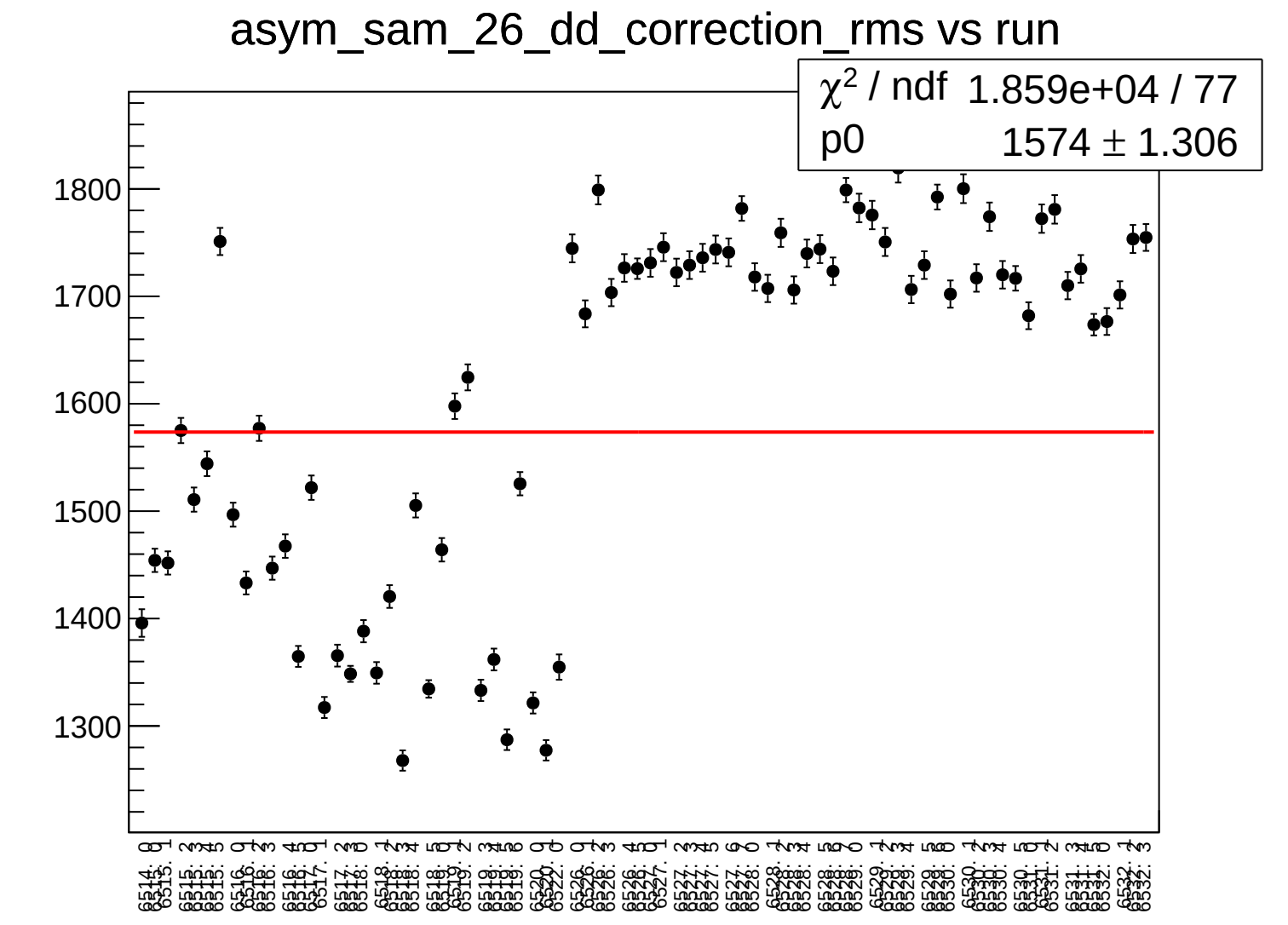

dit_asym_sam_26_dd_mean vs run
χ² / ndf 63.96 / 77
p0 −230.9 ± 231.7
pull
Entries 78
Mean −4.038
Std Dev 99.4

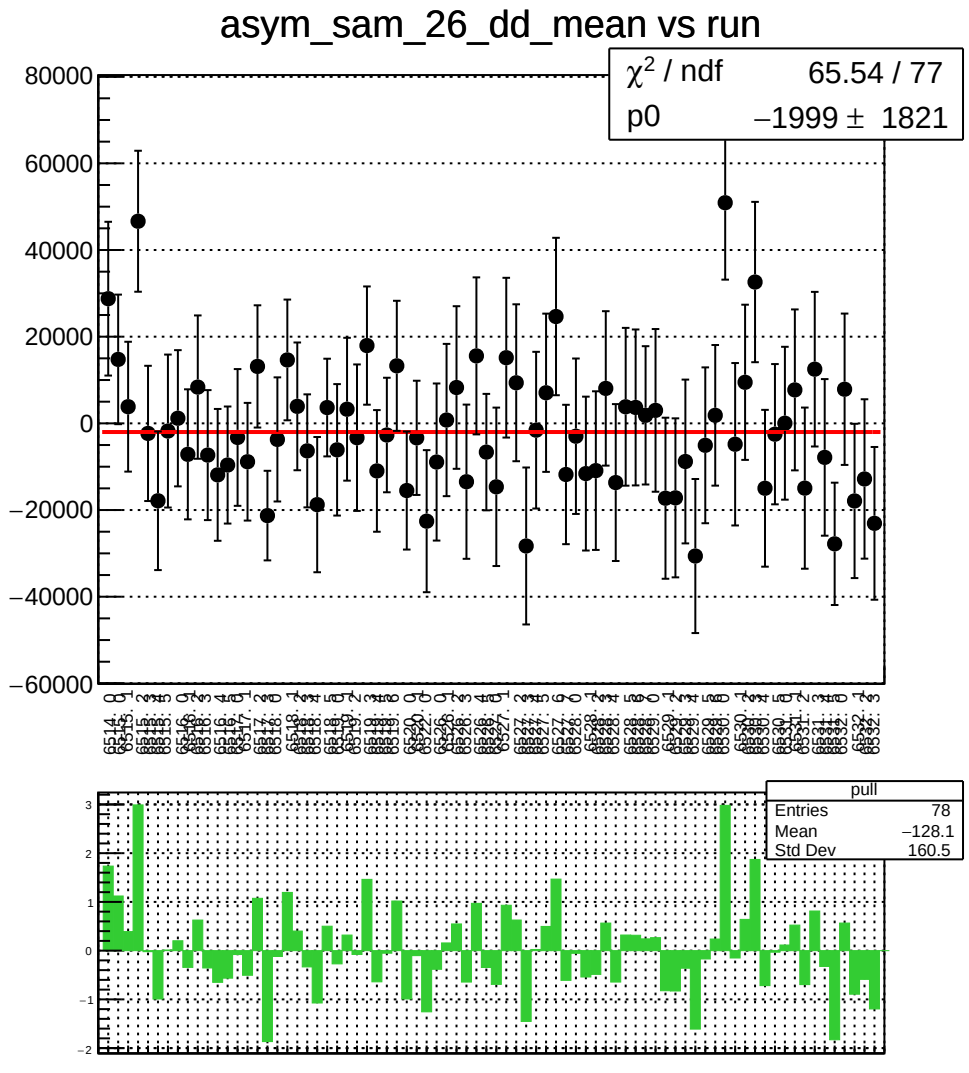

pull1D
Entries 78
Mean −0.004749
Std Dev 0.9055

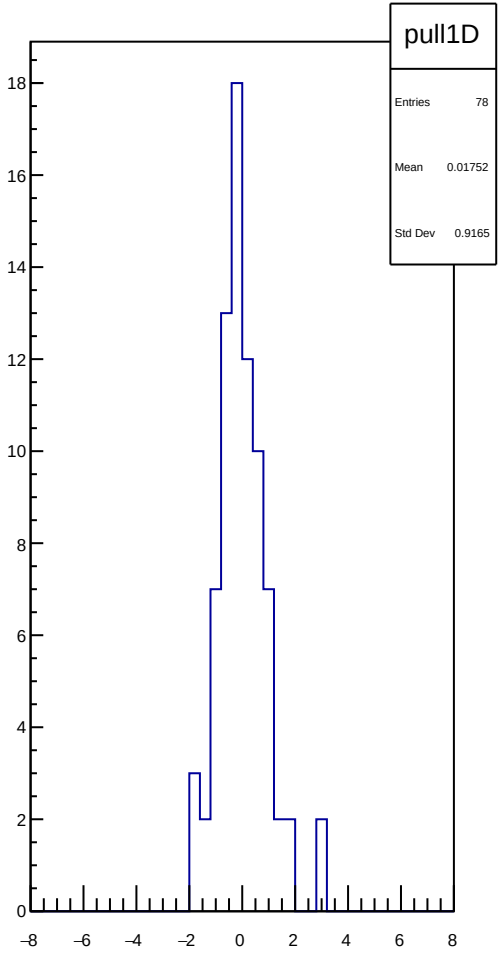

dit_asym_sam_26_dd_rms vs run
χ² / ndf 1332 / 77
p0 198.6 ± 0.1638
215
210
205
200
195
190
185

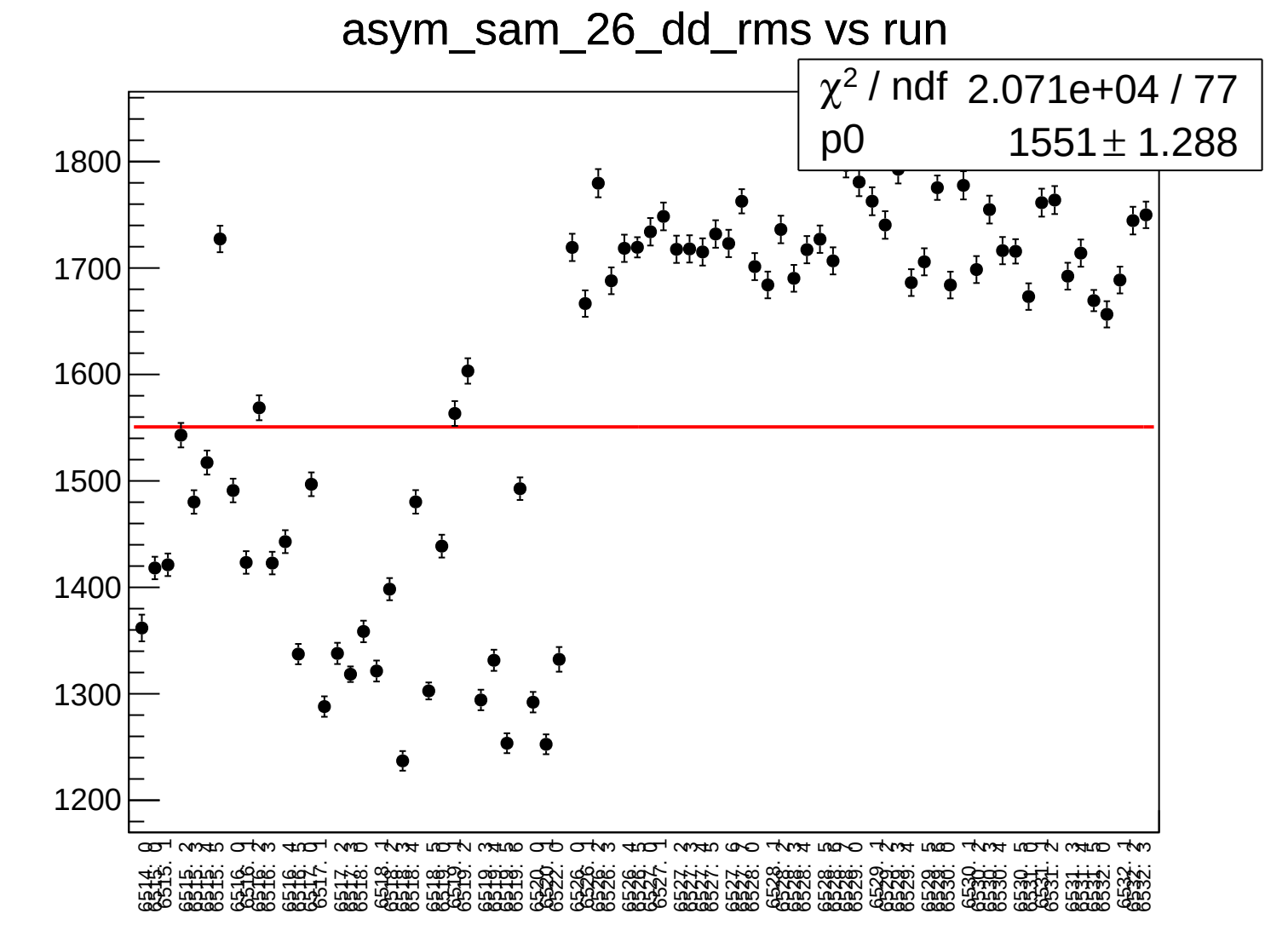

asym_sam_26_dd_correction_mean vs run
χ² / ndf 61.45 / 77
p0 1824 ± 1846
pull
Entries 78
Mean −109.7
Std Dev 141

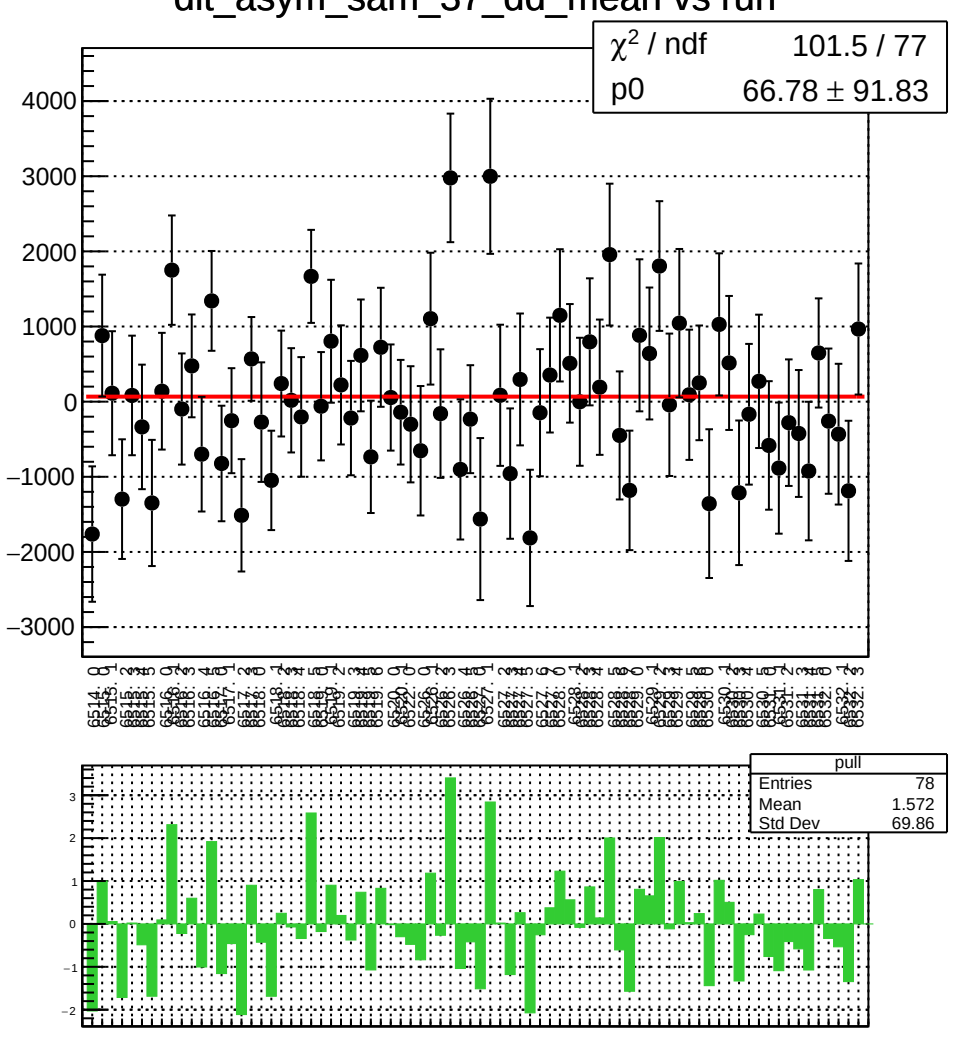

pull1D
Entries 78
Mean −0.01956
Std Dev 0.8874

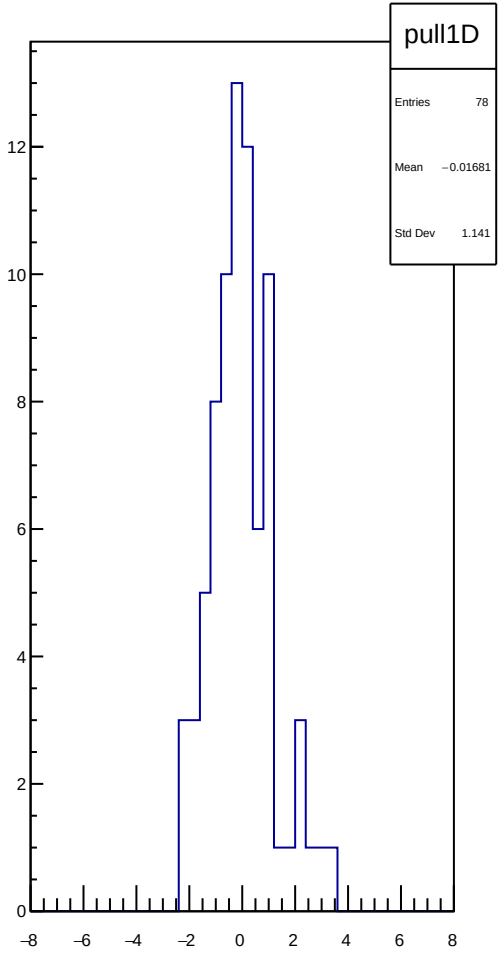

asym_sam_26_dd_correction_rms vs run
χ² / ndf 1.859e+04 / 77
p0 1574 ± 1.306
1800
1700
1600
1500
1400
1300

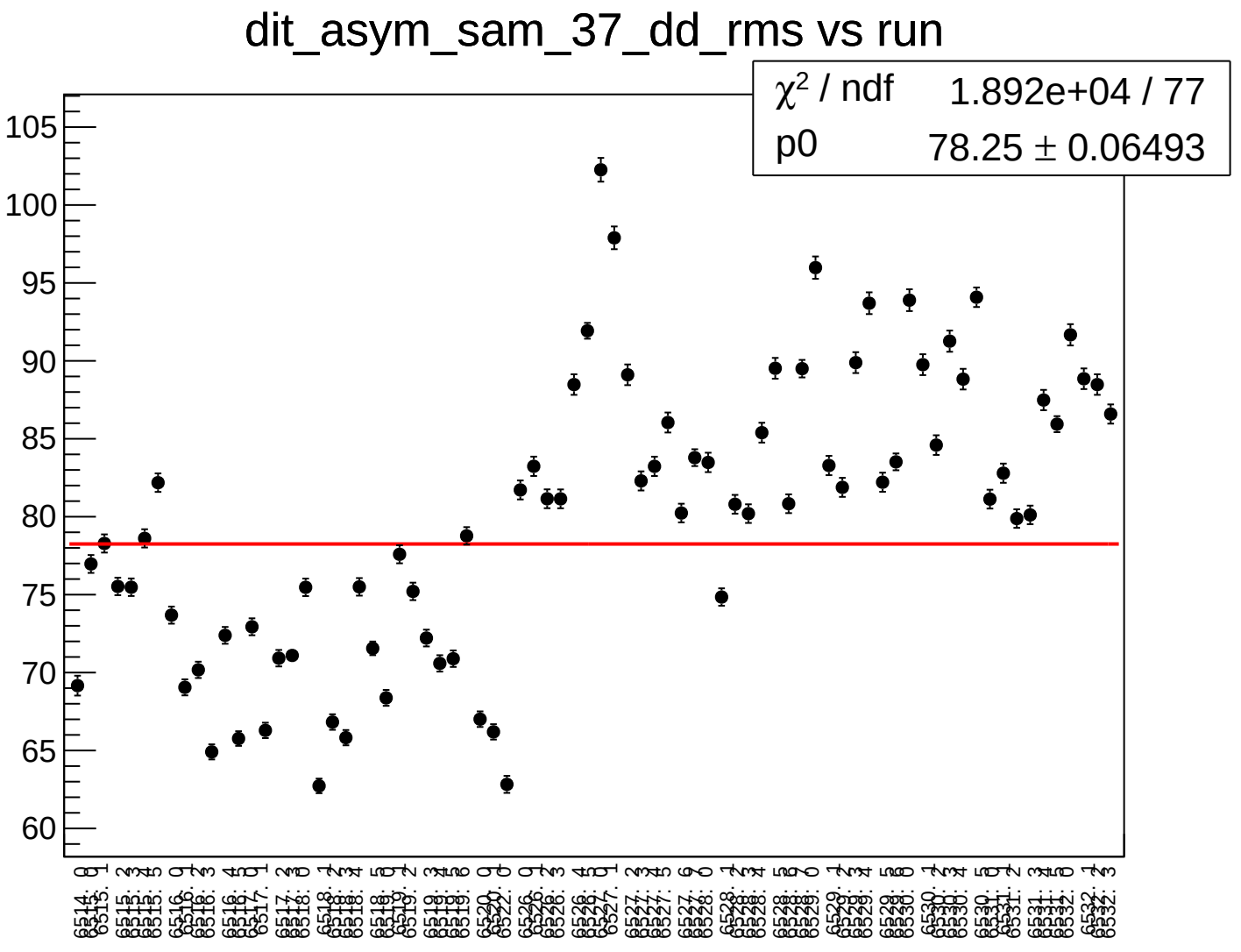

asym_sam_26_dd_mean vs run
χ² / ndf 65.54 / 77
p0 −1999 ± 1821
pull
Entries 78
Mean −128.1
Std Dev 160.5

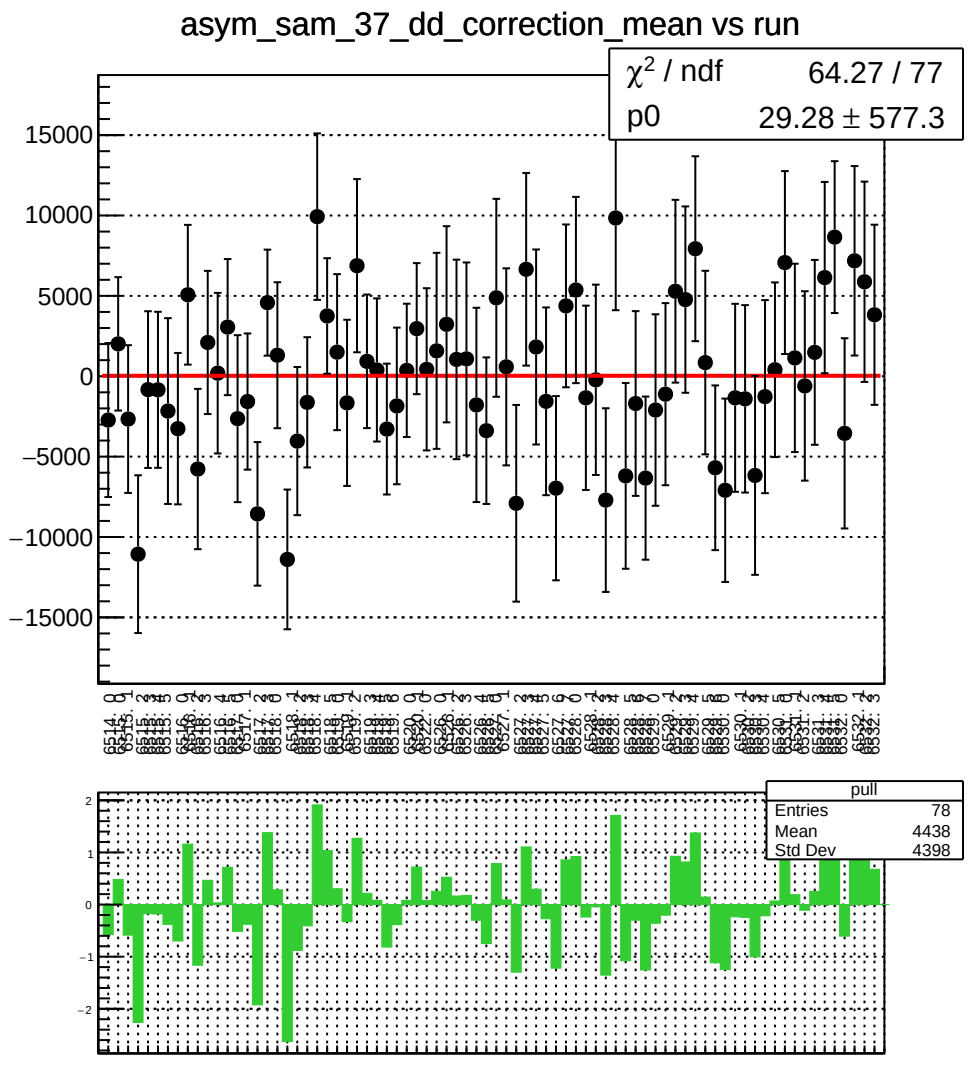

pull1D
Entries 78
Mean 0.01752
Std Dev 0.9165

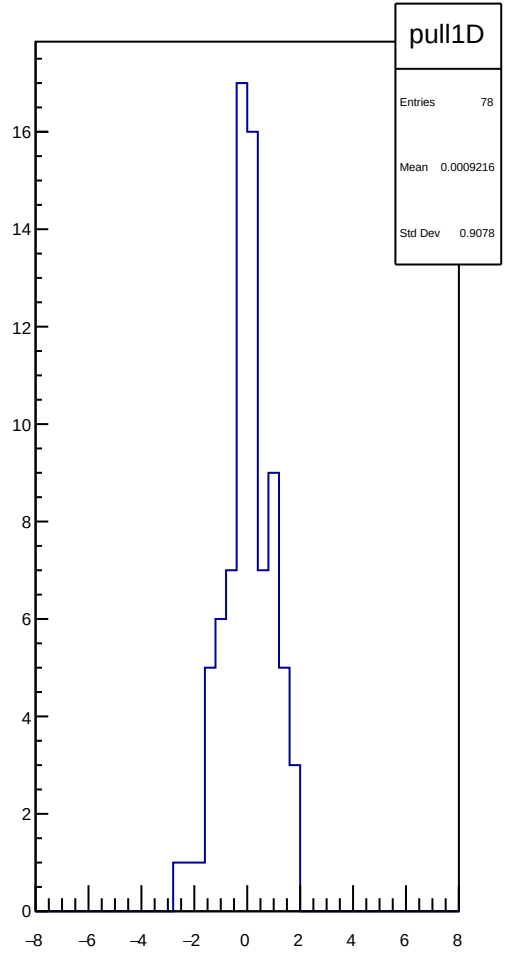

asym_sam_26_dd_rms vs run
χ² / ndf 2.071e+04 / 77
p0 1551 ± 1.288
1800
1700
1600
1500
1400
1300
1200

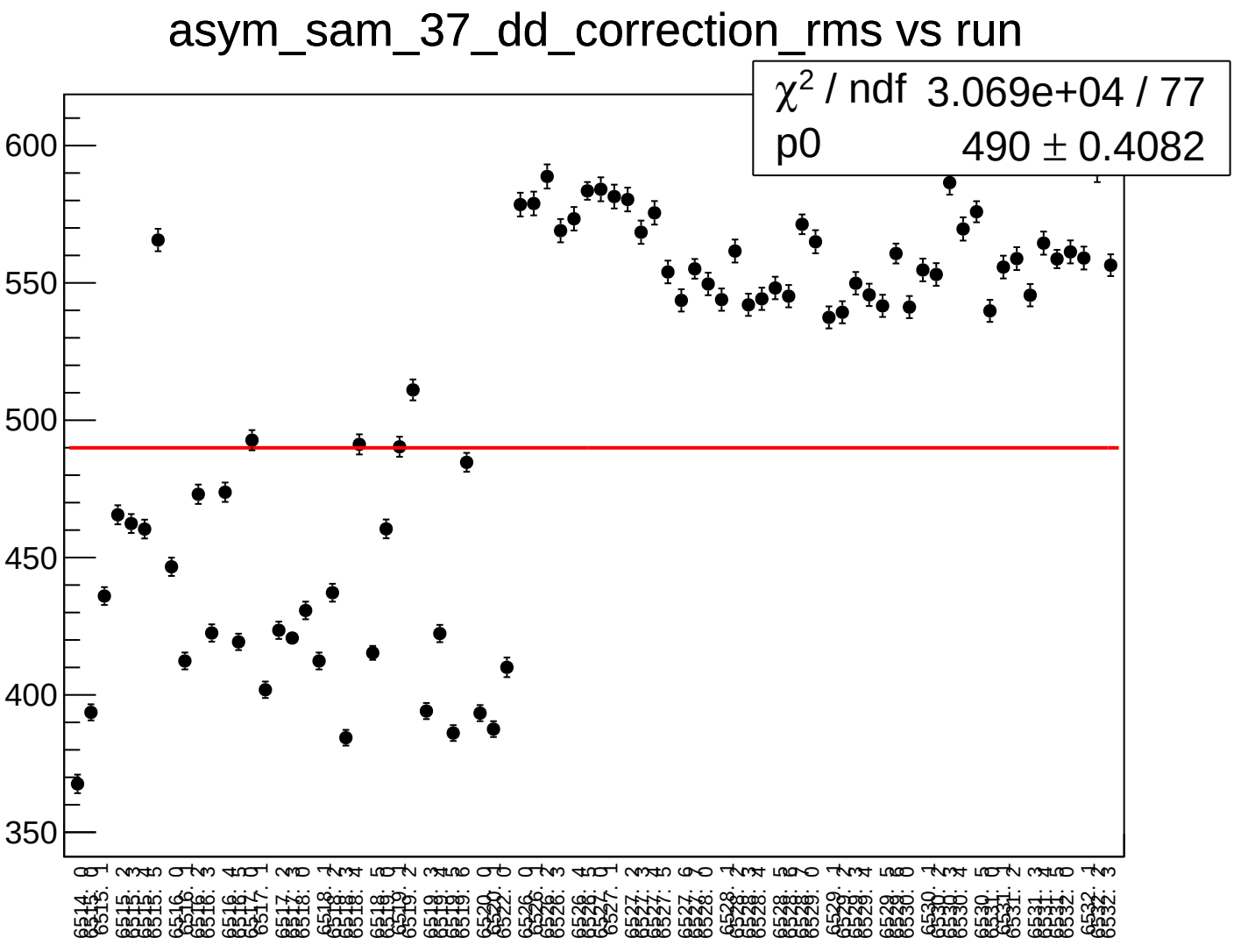

dit_asym_sam_37_dd_mean vs run
χ² / ndf 101.5 / 77
p0 66.78 ± 91.83
pull
Entries 78
Mean 1.572
Std Dev 69.86

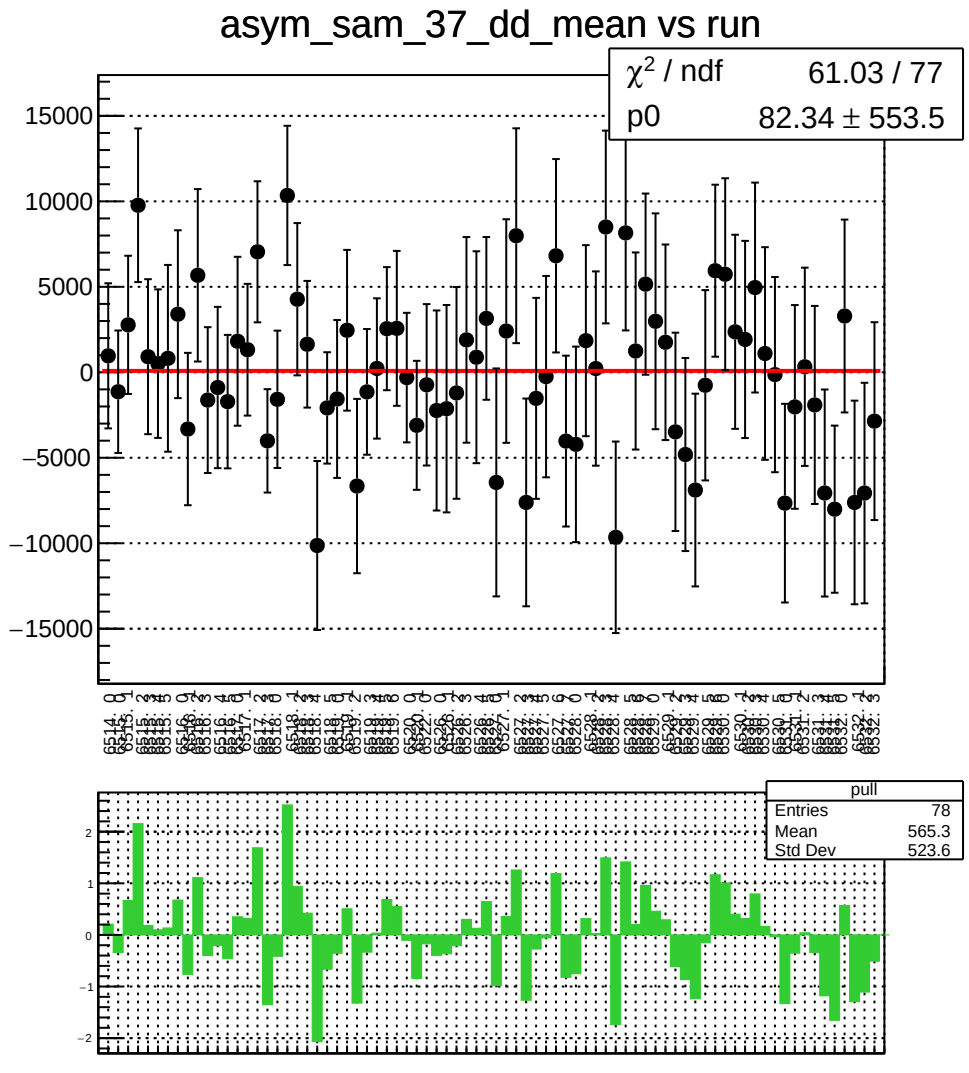

pull1D
Entries 78
Mean −0.01681
Std Dev 1.141

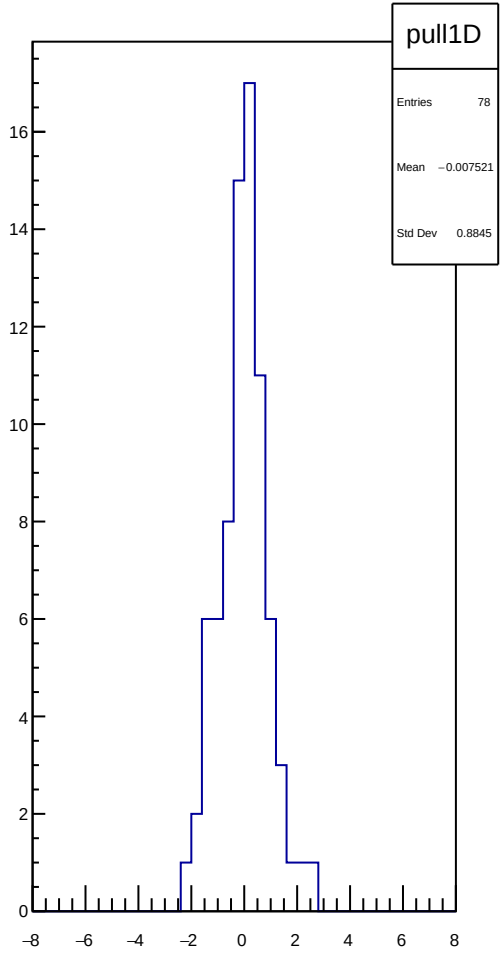

dit_asym_sam_37_dd_rms vs run
χ^2 / ndf 1.892e+04 / 77
p0 78.25 ± 0.06493
105
100
95
90
85
80
75
70
65
60

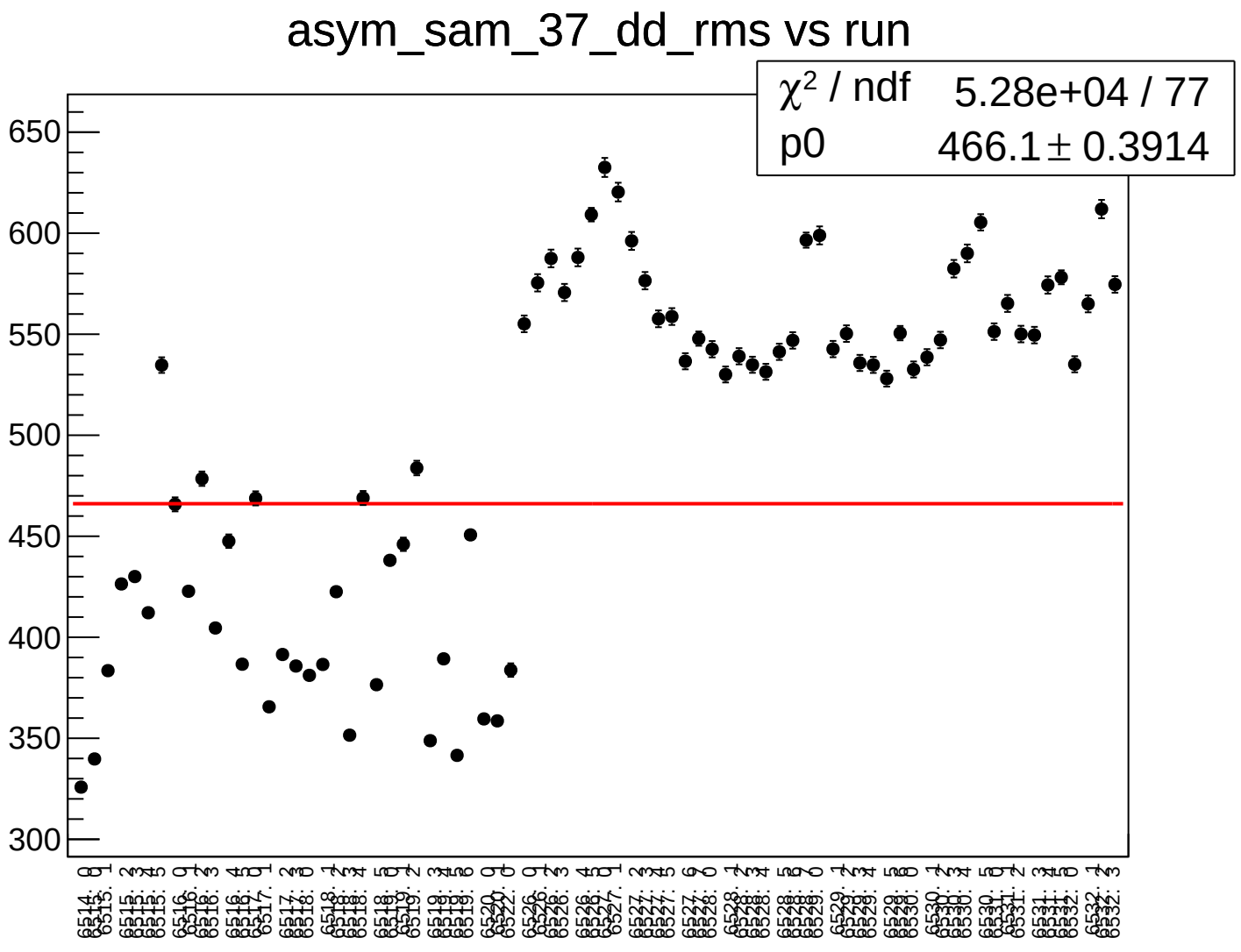

asym_sam_37_dd_correction_mean vs run
χ² / ndf 64.27 / 77
p0 29.28 ± 577.3
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 78
Mean 4438
Std Dev 4398
2
1
0
−1
−2

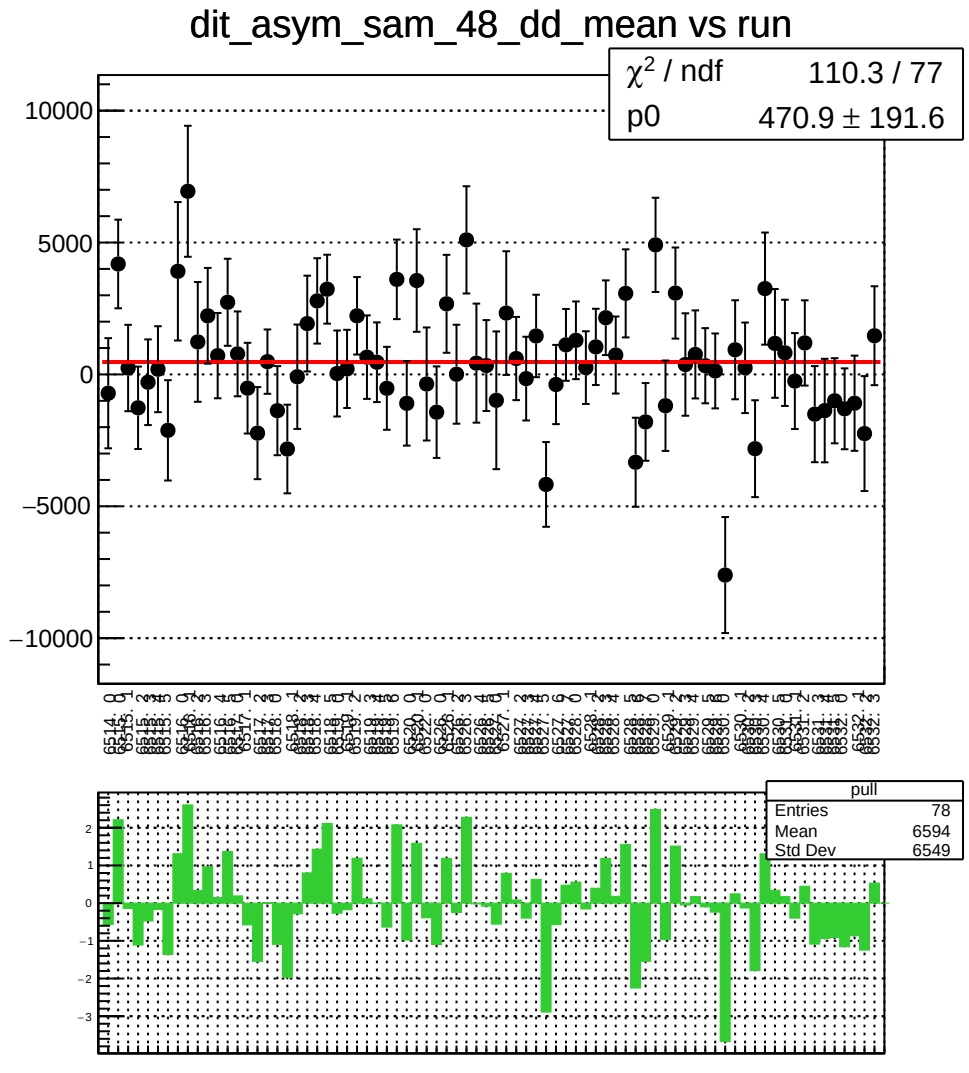

pull1D
Entries 78
Mean 0.0009216
Std Dev 0.9078
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

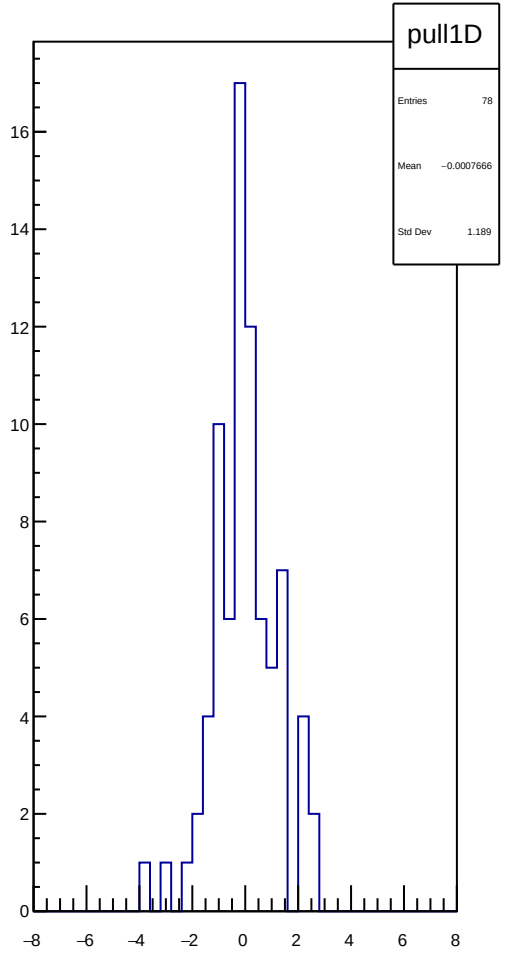

asym_sam_37_dd_correction_rms vs run
χ² / ndf 3.069e+04 / 77
p0 490 ± 0.4082
600
550
500
450
400
350

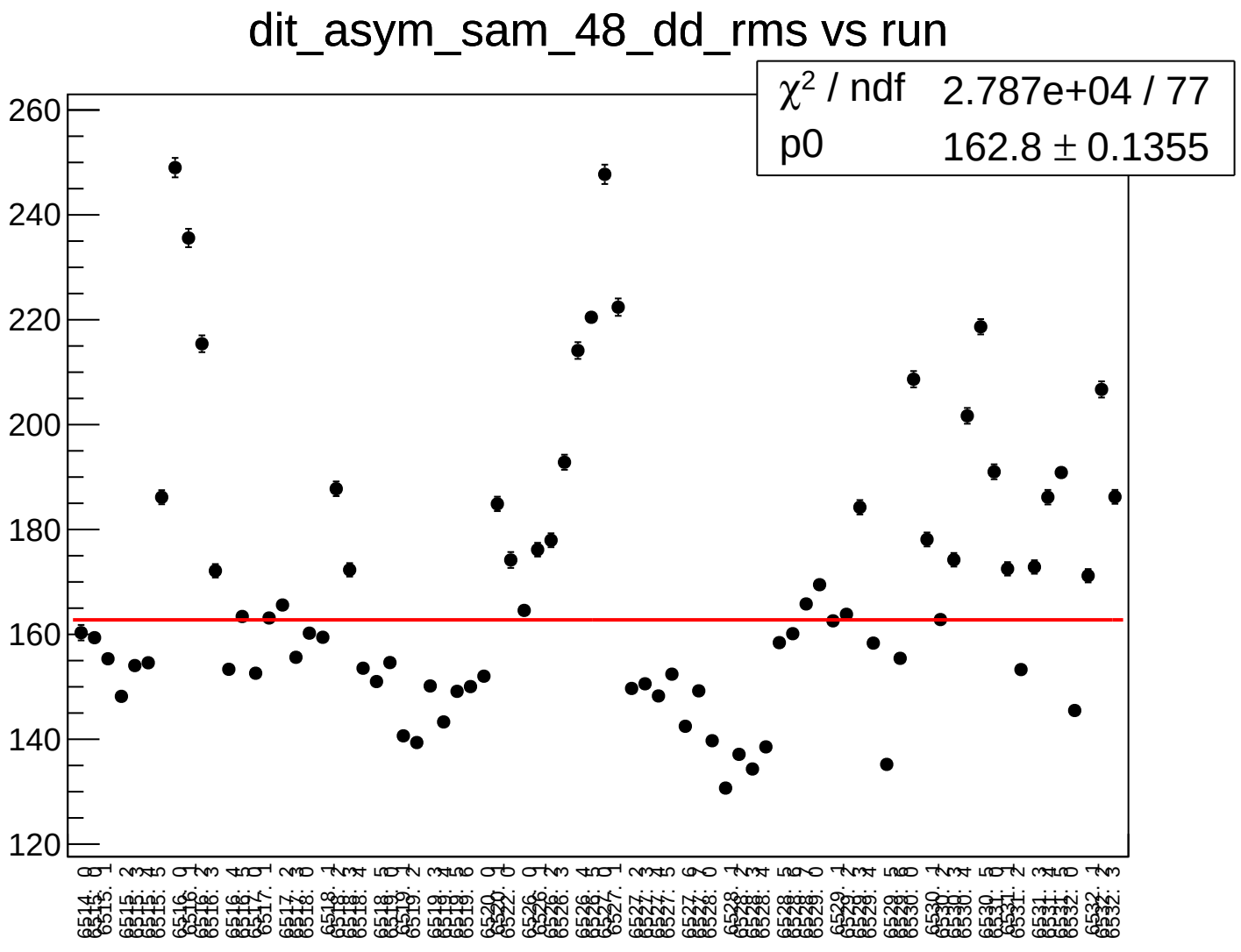

asym_sam_37_dd_mean vs run
χ² / ndf 61.03 / 77
p0 82.34 ± 553.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 78
Mean 565.3
Std Dev 523.6
2
1
0
−1
−2

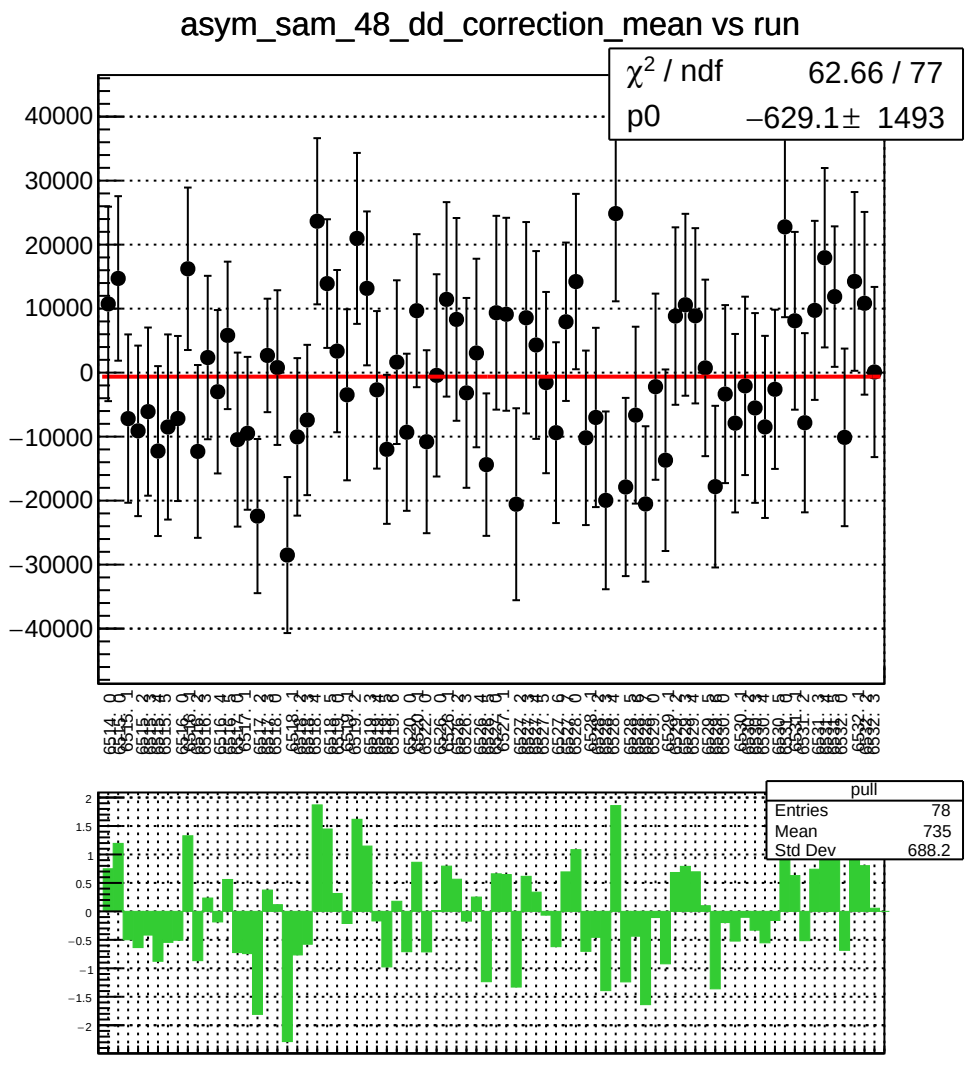

pull1D
Entries 78
Mean −0.007521
Std Dev 0.8845
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

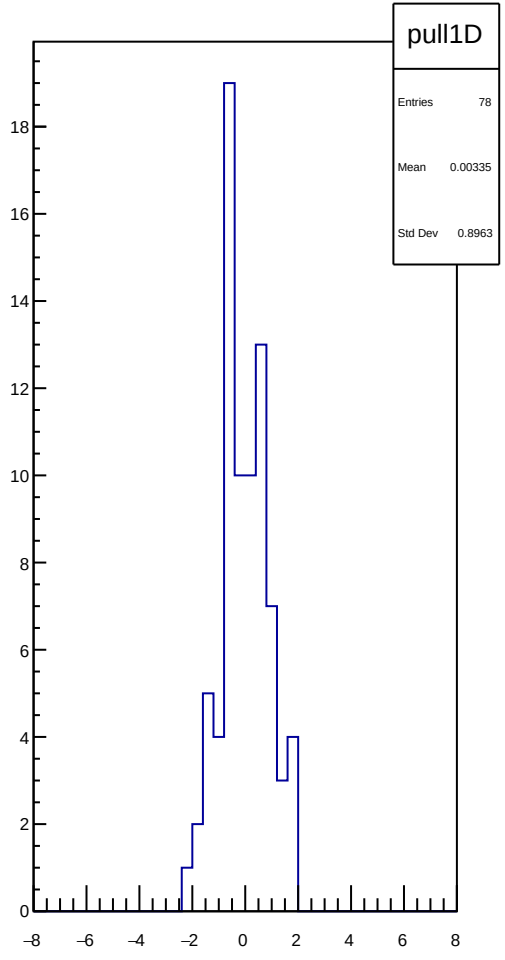

asym_sam_37_dd_rms vs run
χ² / ndf 5.28e+04 / 77
p0 466.1 ± 0.3914
650
600
550
500
450
400
350
300

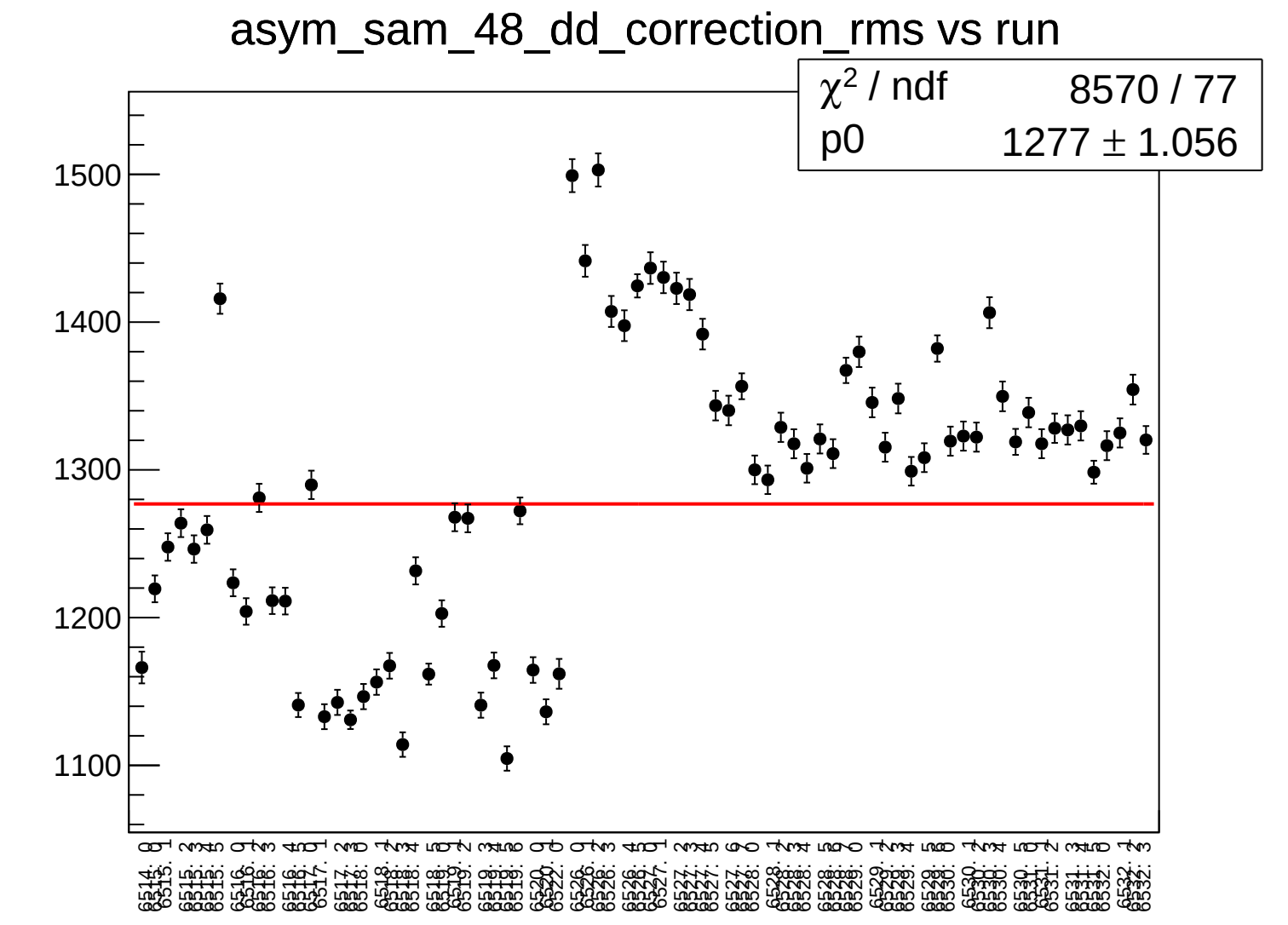

dit_asym_sam_48_dd_mean vs run
χ² / ndf 110.3 / 77
p0 470.9 ± 191.6
10000
5000
0
−5000
−10000
pull
Entries 78
Mean 6594
Std Dev 6549
2
1
0
−1
−2
−3

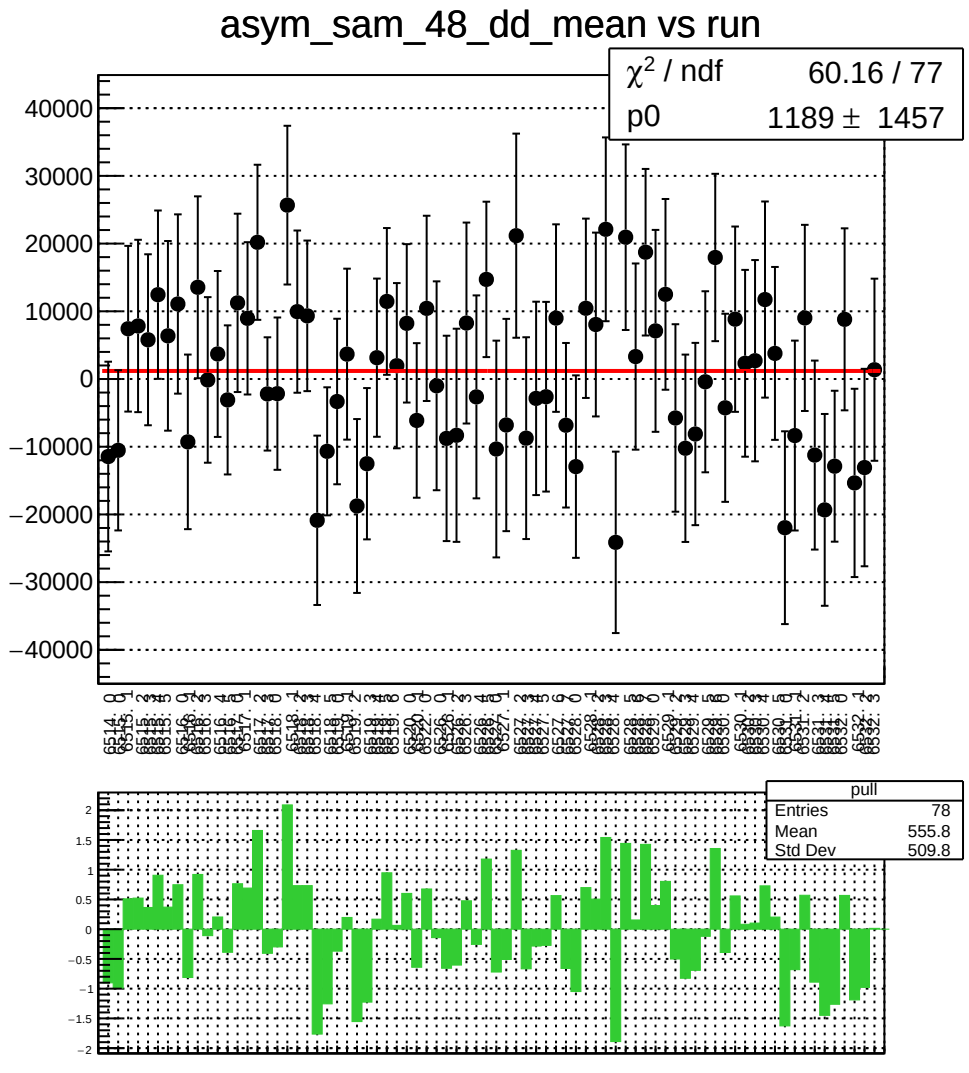

pull1D
Entries 78
Mean −0.0007666
Std Dev 1.189
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

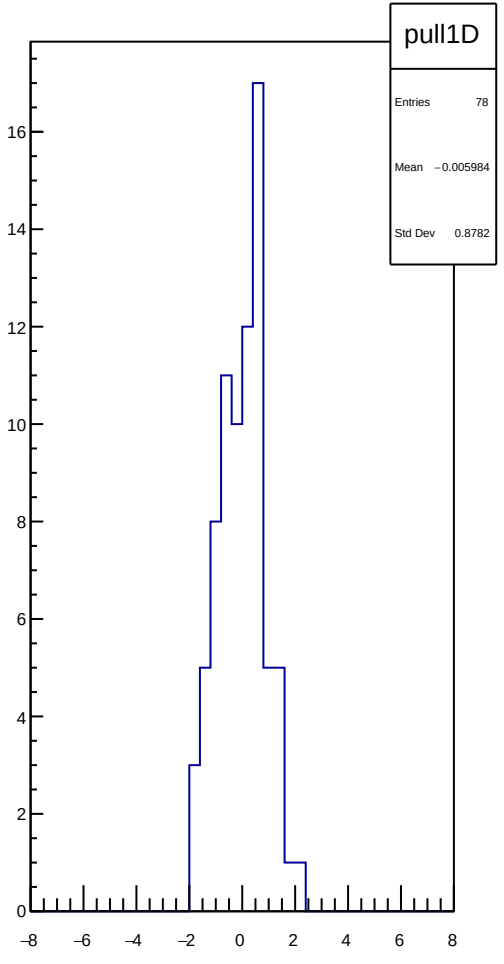

dit_asym_sam_48_dd_rms vs run
χ² / ndf 2.787e+04 / 77
p0 162.8 ± 0.1355
260
240
220
200
180
160
140
120

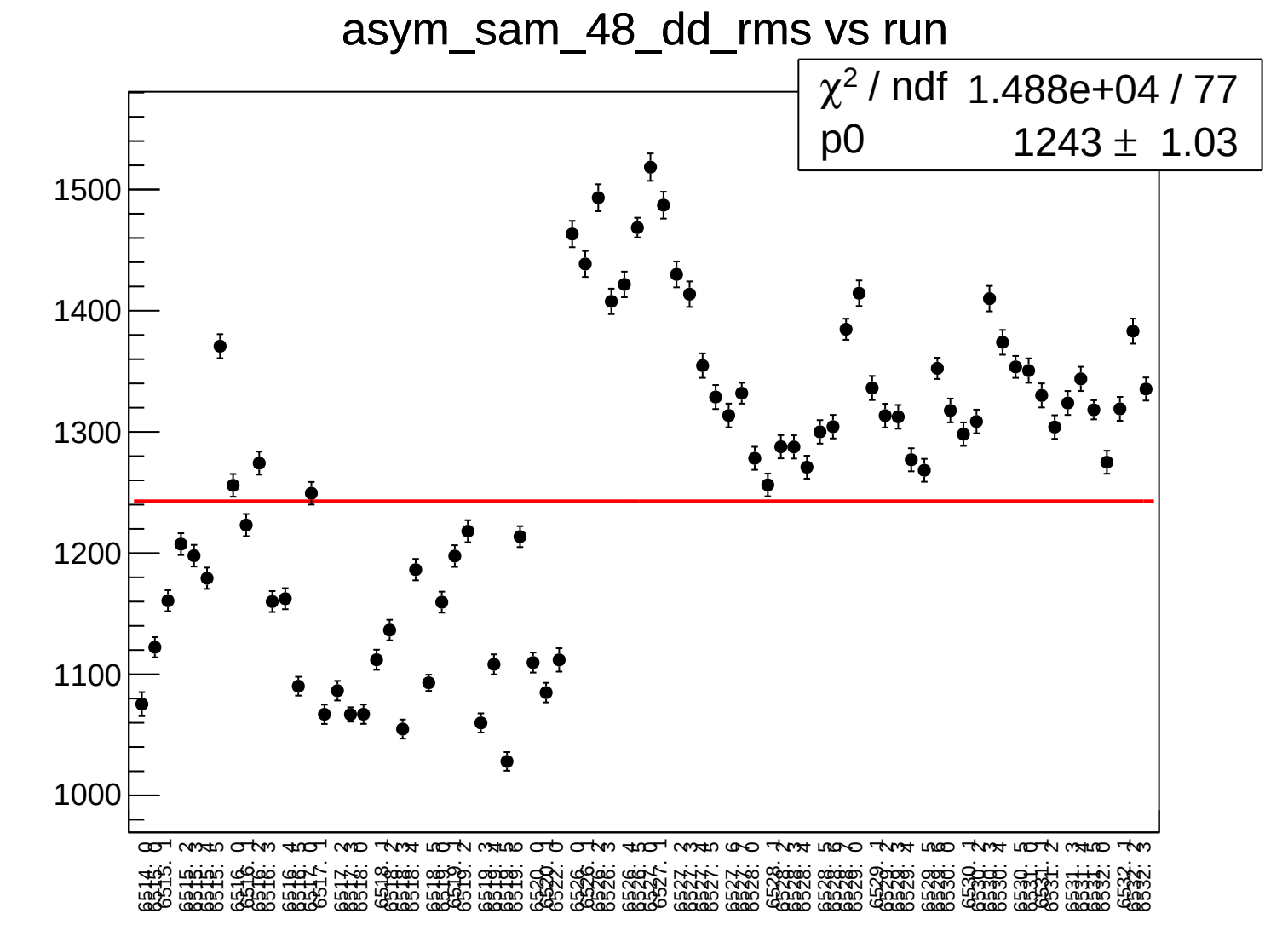

asym_sam_48_dd_correction_mean vs run
χ² / ndf 62.66 / 77
p0 −629.1± 1493
pull
Entries 78
Mean 735
Std Dev 688.2

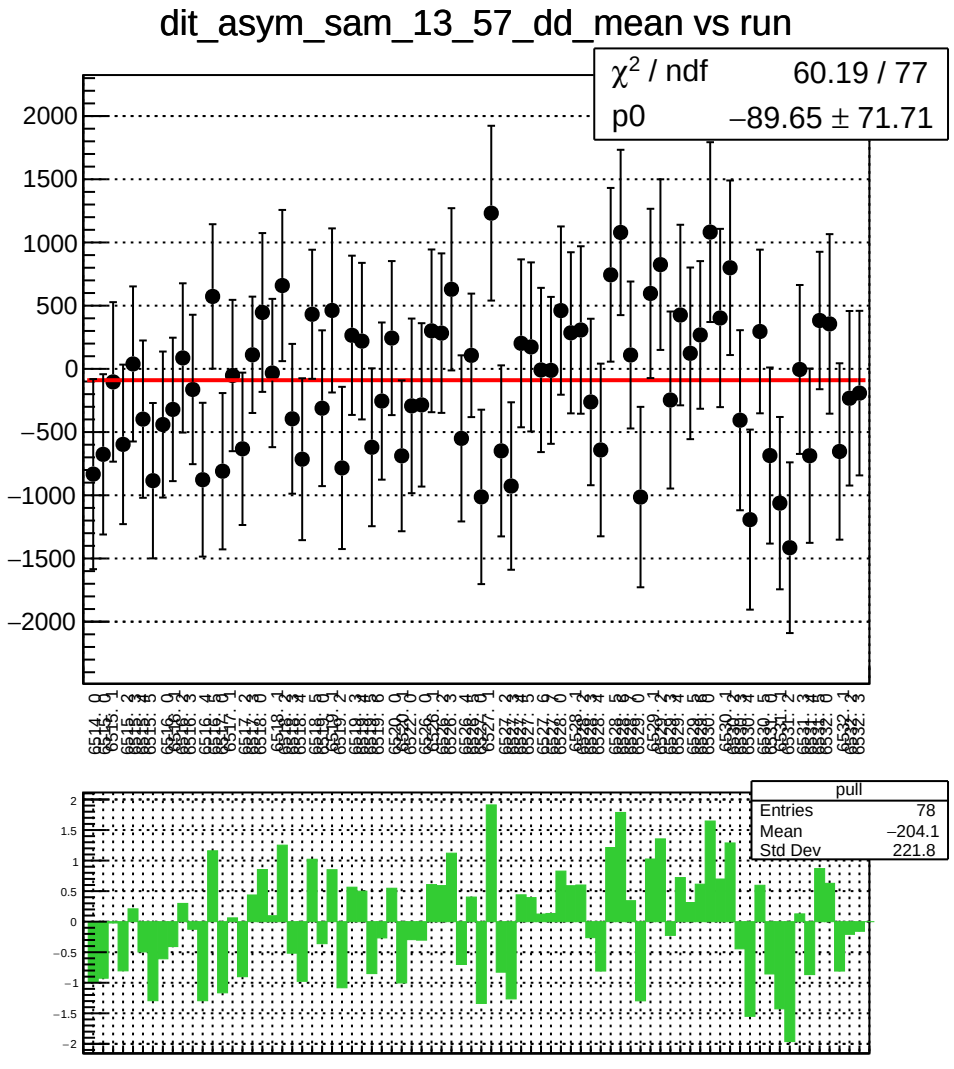

pull1D
Entries 78
Mean 0.00335
Std Dev 0.8963

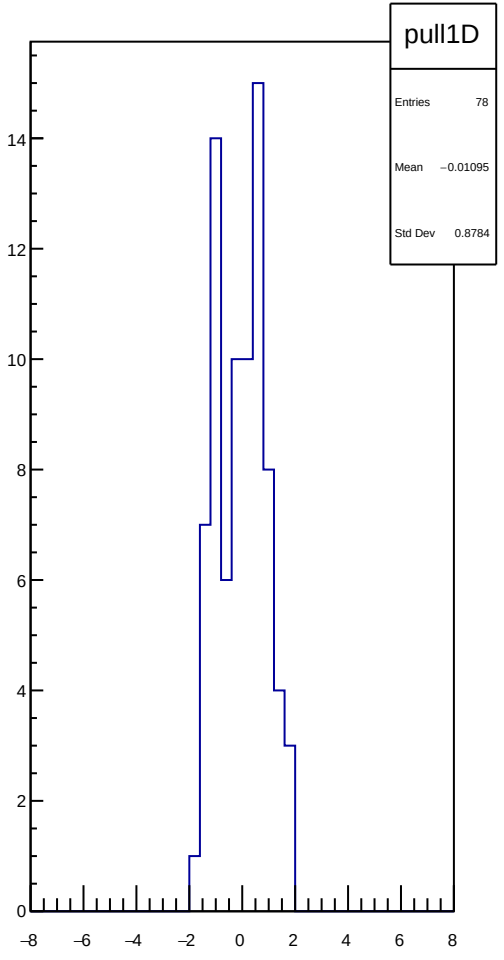

asym_sam_48_dd_correction_rms vs run
χ² / ndf 8570 / 77
p0 1277 ± 1.056
1500
1400
1300
1200
1100

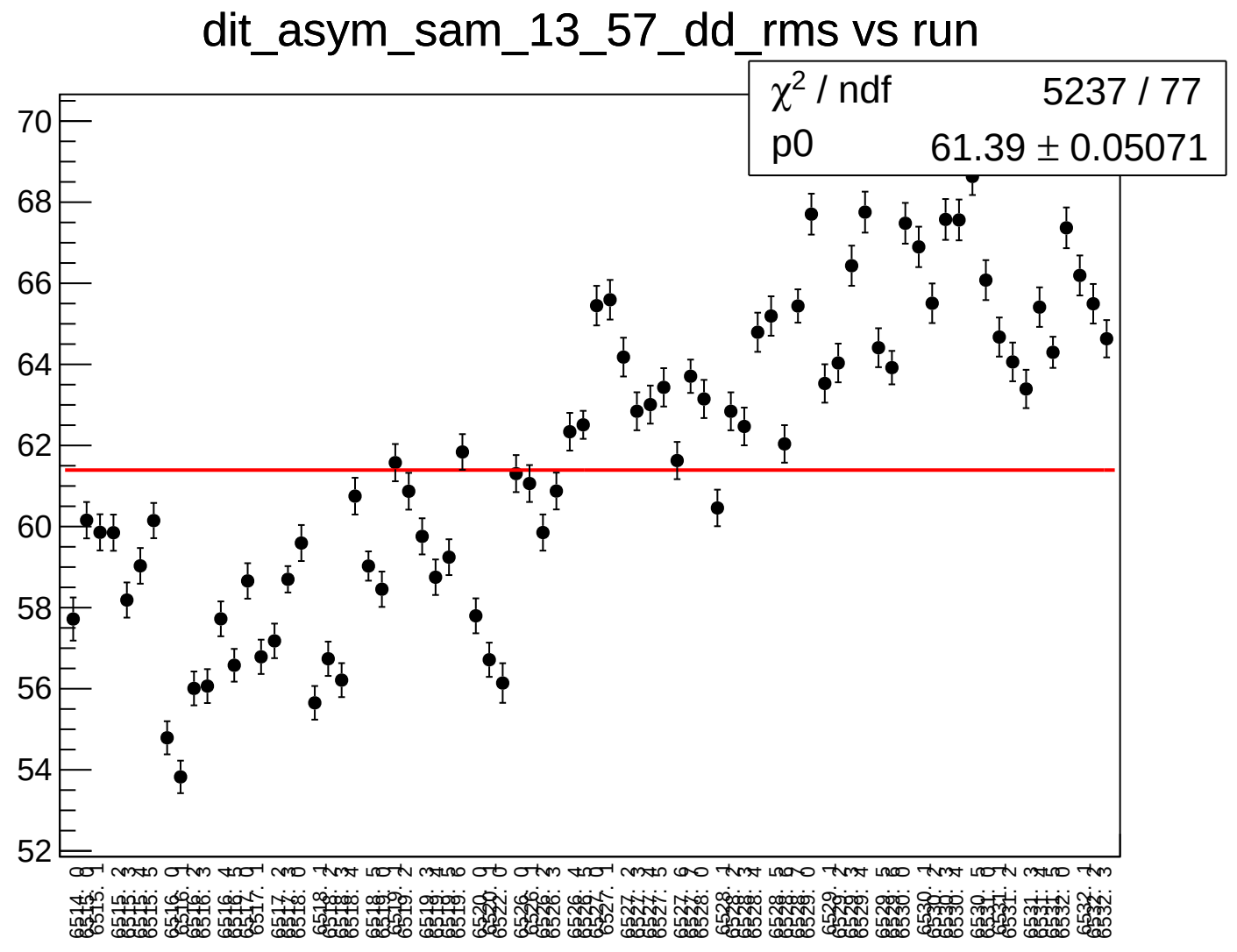

asym_sam_48_dd_mean vs run
χ² / ndf 60.16 / 77
p0 1189 ± 1457
pull
Entries 78
Mean 555.8
Std Dev 509.8

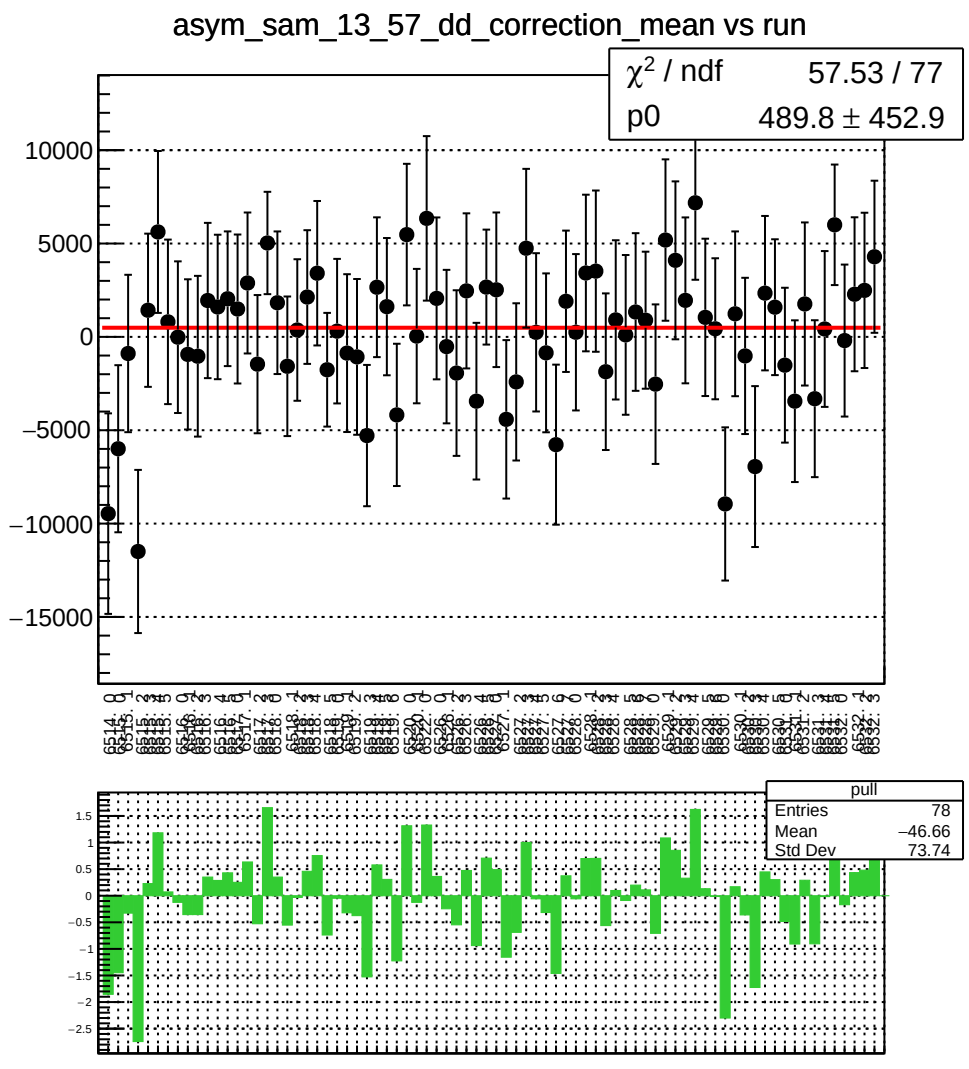

pull1D
Entries 78
Mean −0.005984
Std Dev 0.8782

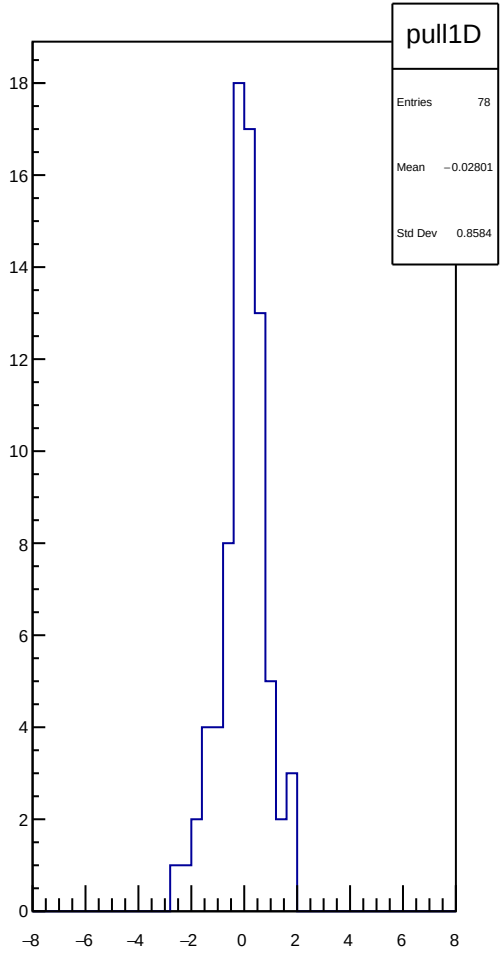

asym_sam_48_dd_rms vs run
χ² / ndf 1.488e+04 / 77
p0 1243 ± 1.03
1500
1400
1300
1200
1100
1000

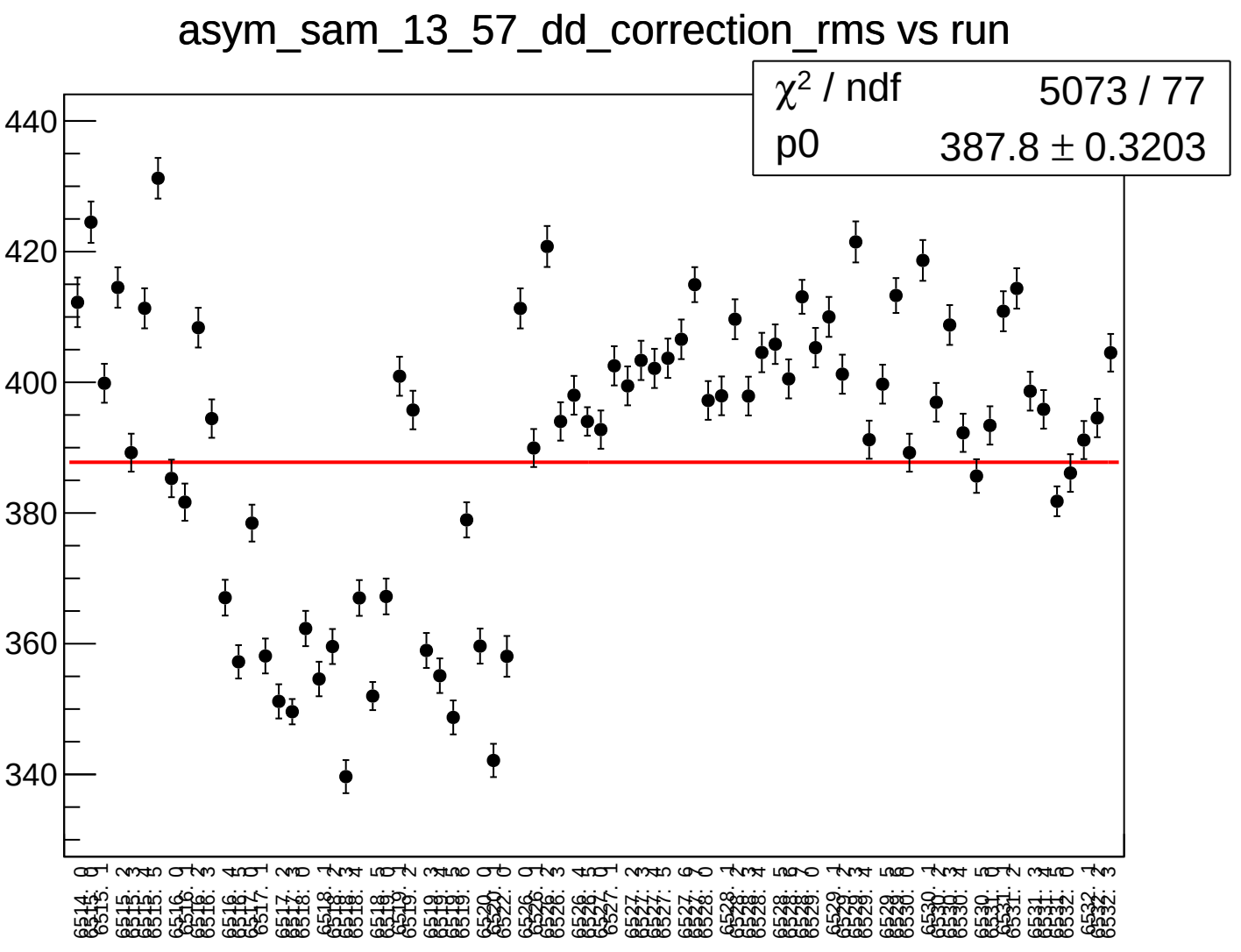

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 60.19 / 77
p0 −89.65 ± 71.71
pull
Entries 78
Mean −204.1
Std Dev 221.8

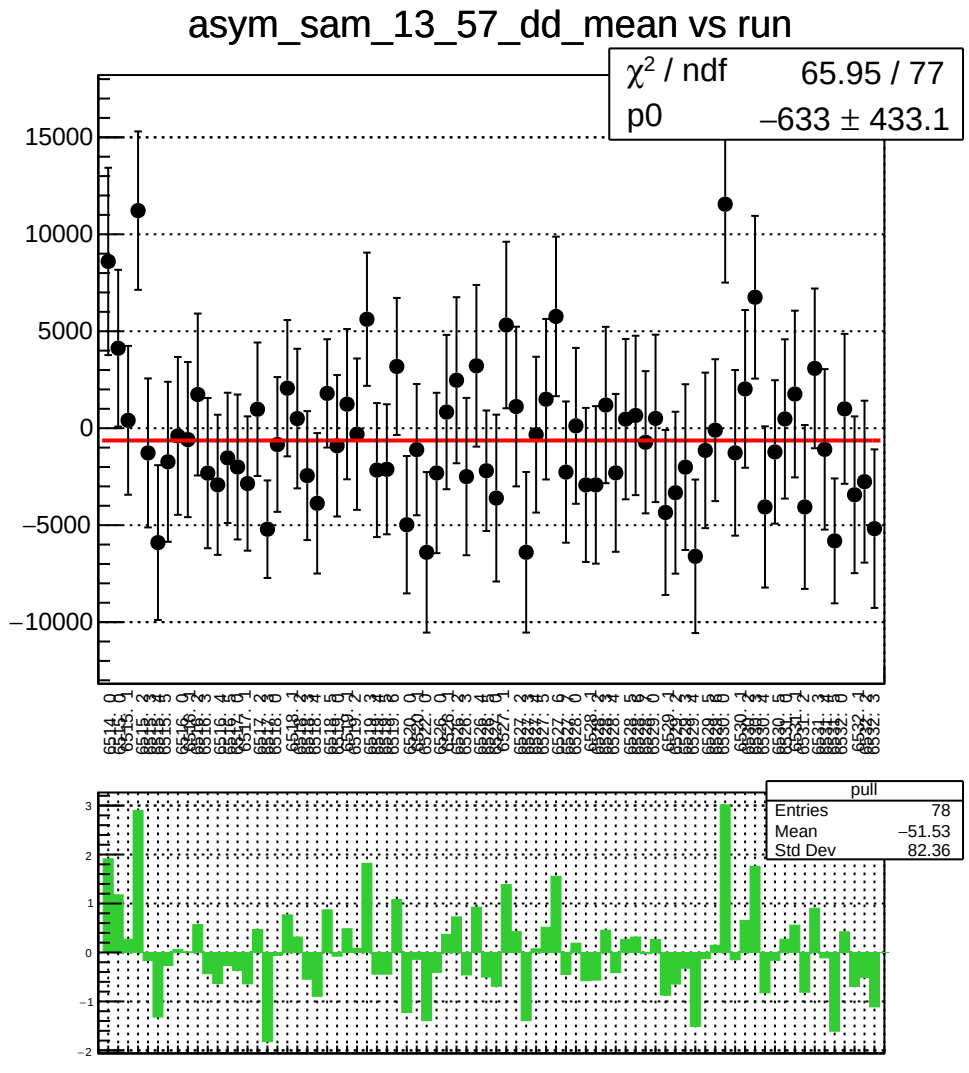

pull1D
Entries 78
Mean −0.01095
Std Dev 0.8784

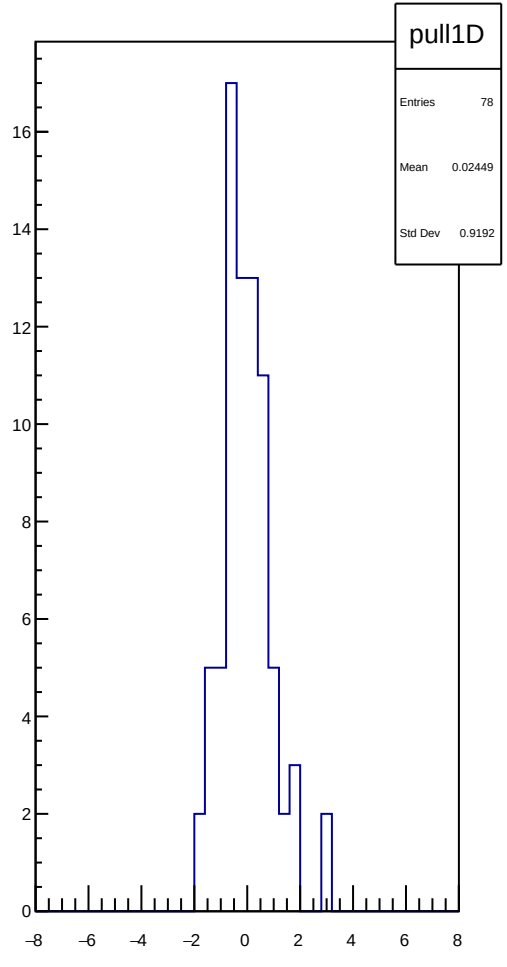

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 5237 / 77
p0 61.39 ± 0.05071
70
68
66
64
62
60
58
56
54
52

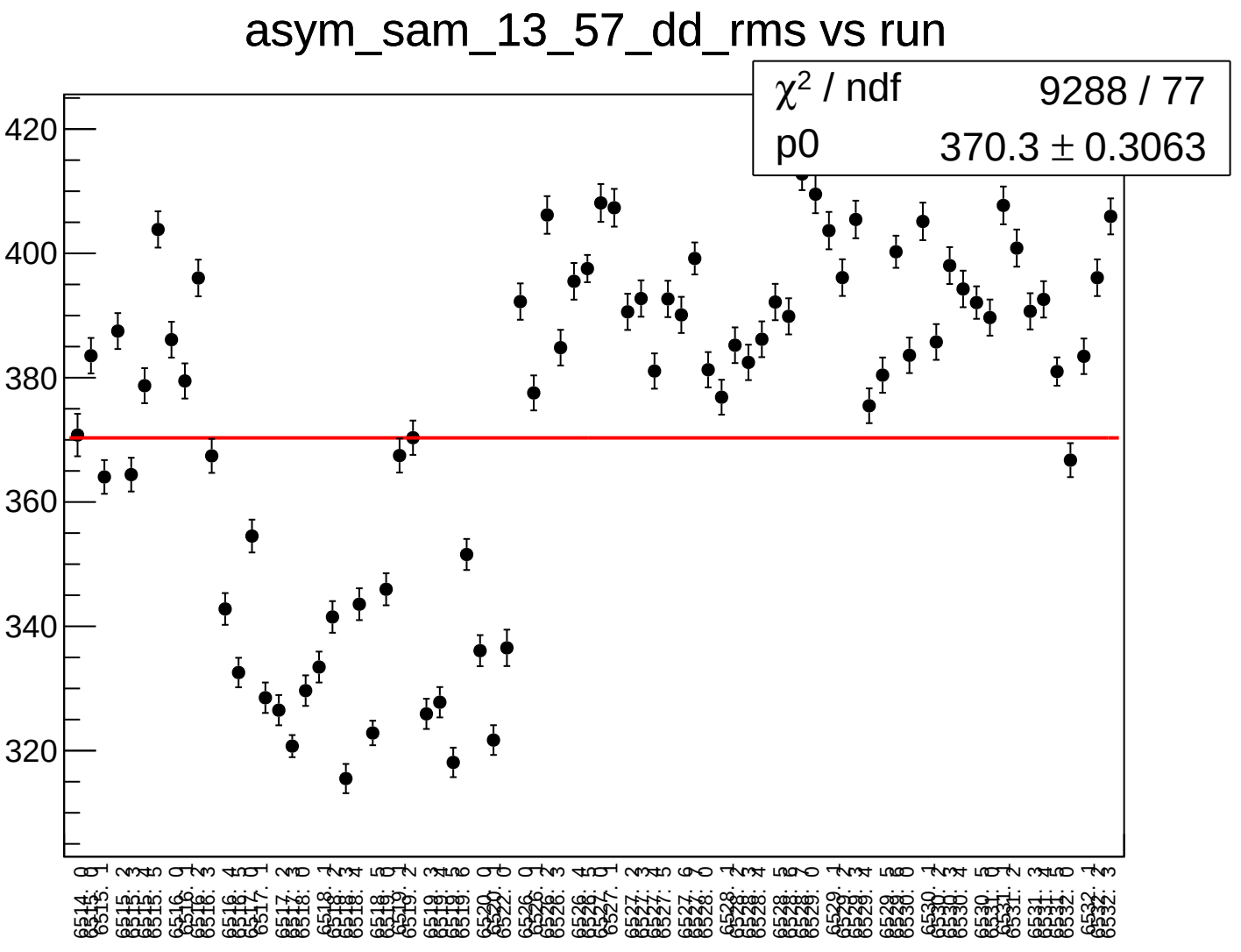

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 57.53 / 77
p0 489.8 ± 452.9
10000
5000
0
−5000
−10000
−15000
pull
Entries 78
Mean −46.66
Std Dev 73.74
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

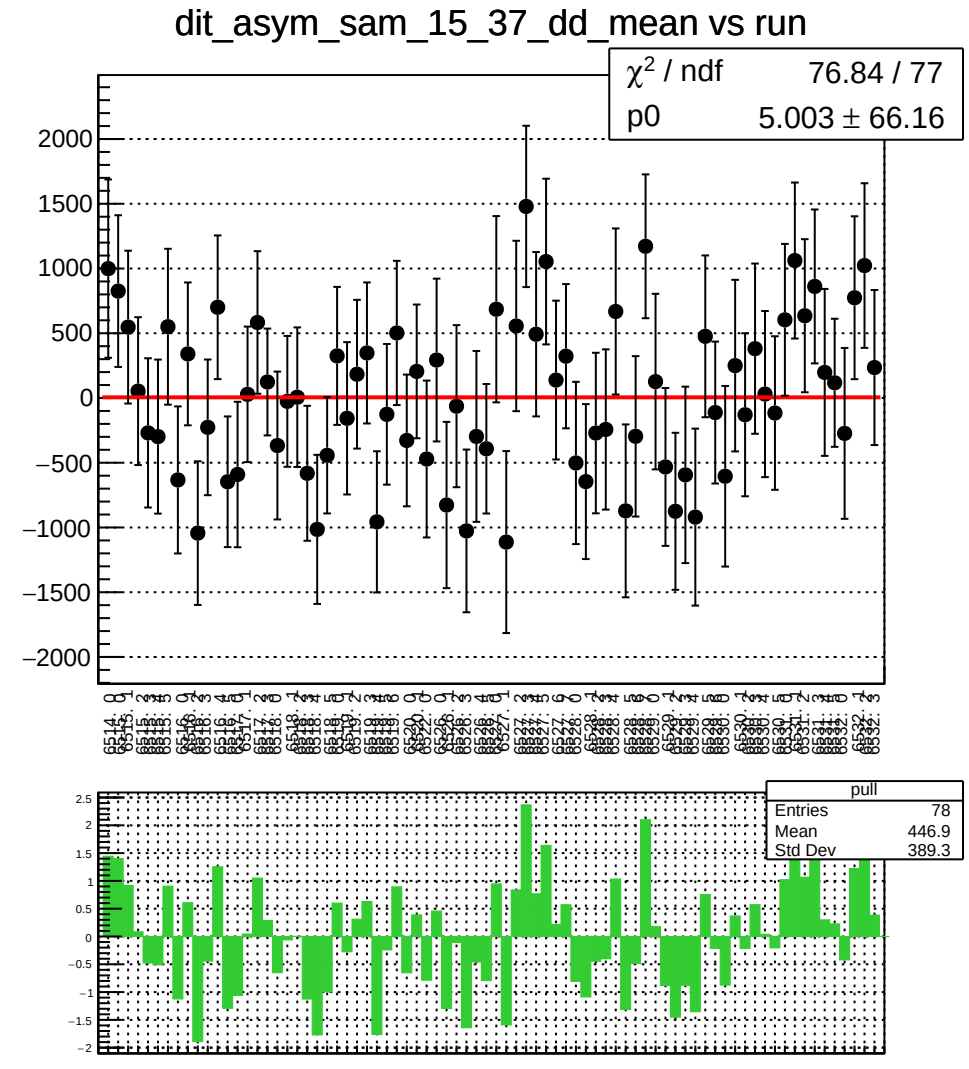

pull1D
Entries 78
Mean −0.02801
Std Dev 0.8584
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

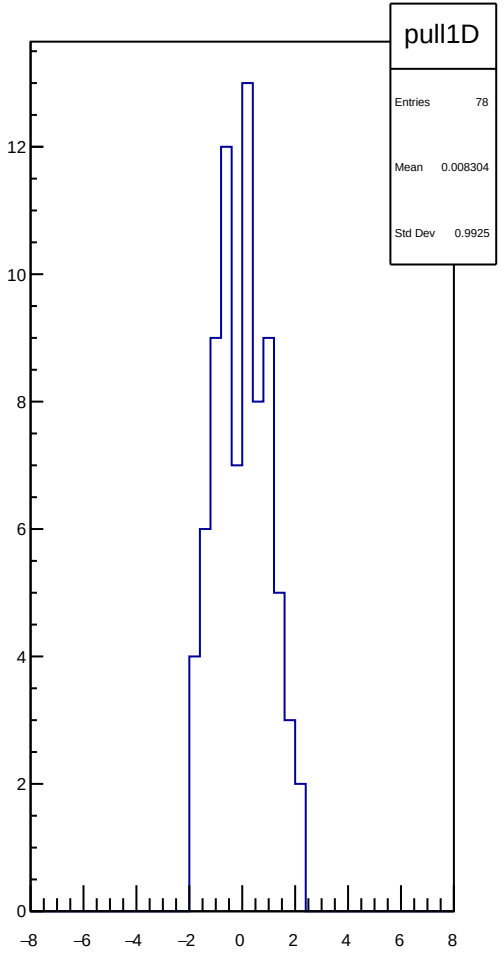

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 5073 / 77
p0 387.8 ± 0.3203
440
420
400
380
360
340

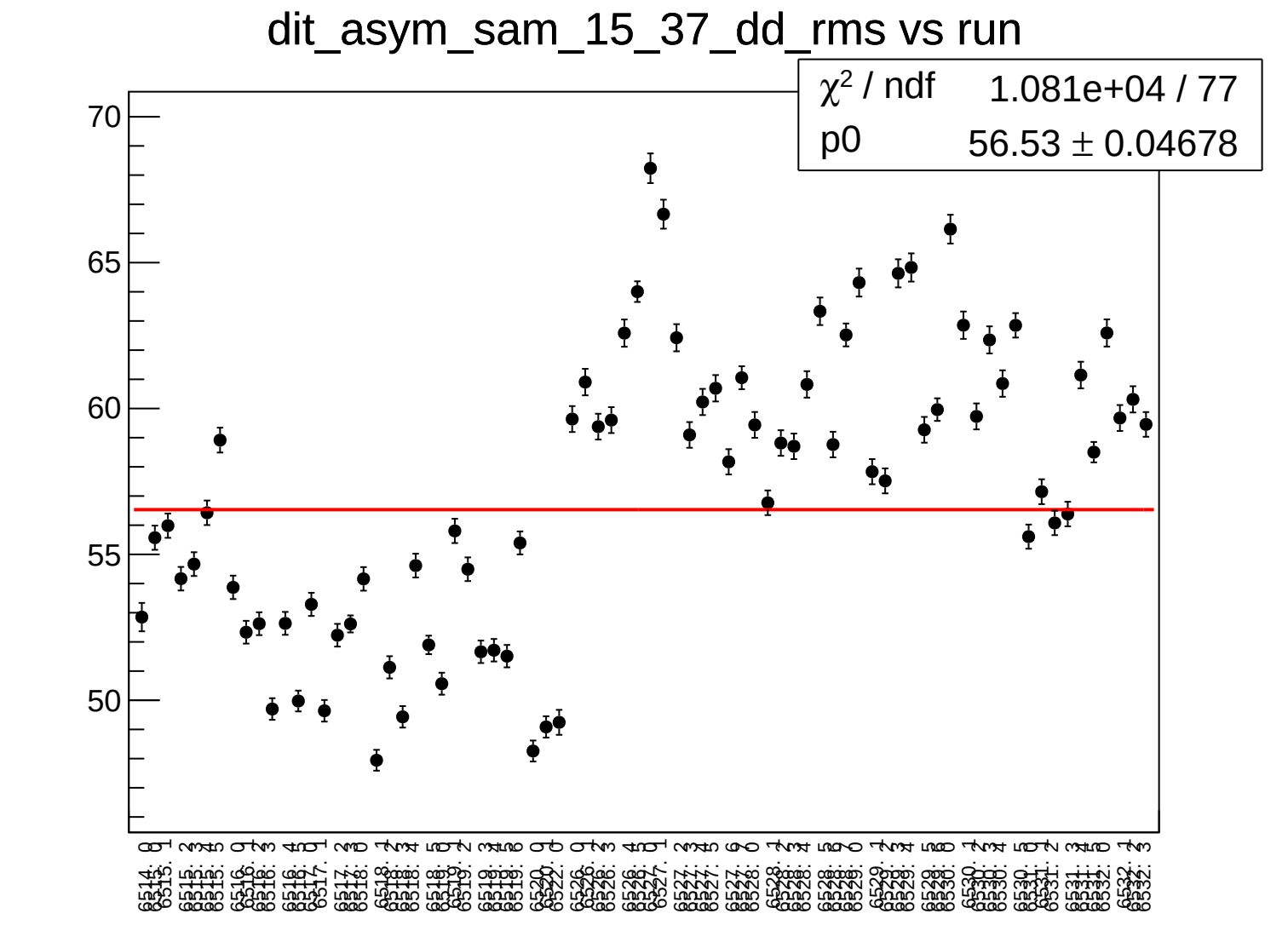

asym_sam_13_57_dd_mean vs run
χ² / ndf 65.95 / 77
p0 −633 ± 433.1
15000
10000
5000
0
−5000
−10000
pull
Entries 78
Mean −51.53
Std Dev 82.36
3
2
1
0
−1
−2

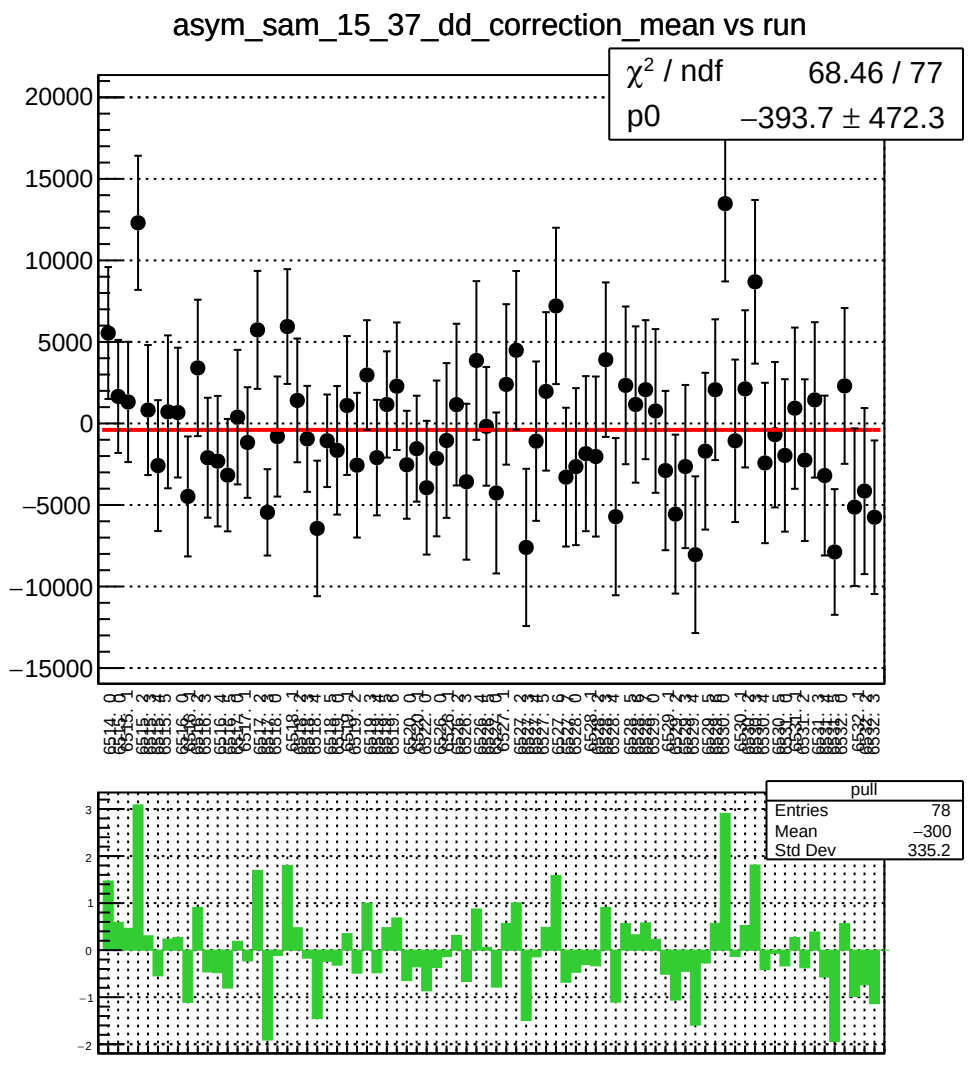

pull1D
Entries 78
Mean 0.02449
Std Dev 0.9192
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

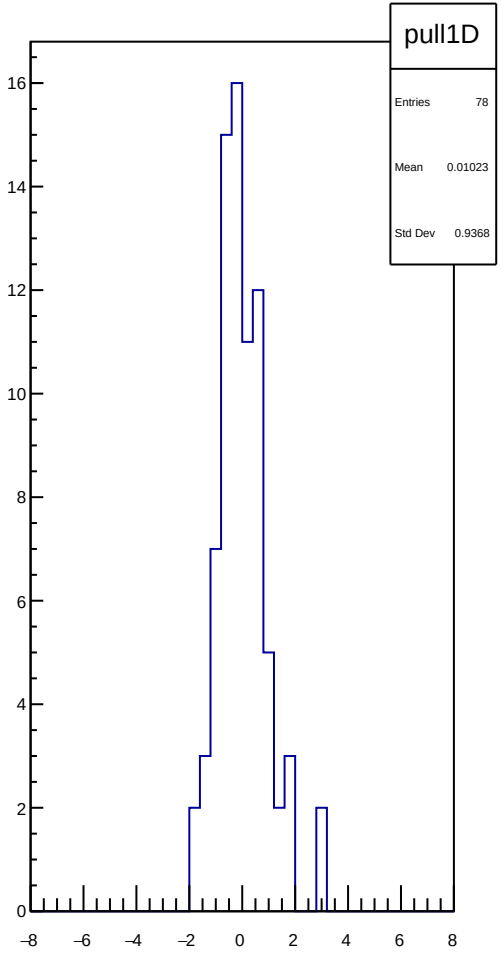

asym_sam_13_57_dd_rms vs run
χ² / ndf 9288 / 77
p0 370.3 ± 0.3063
420
400
380
360
340
320

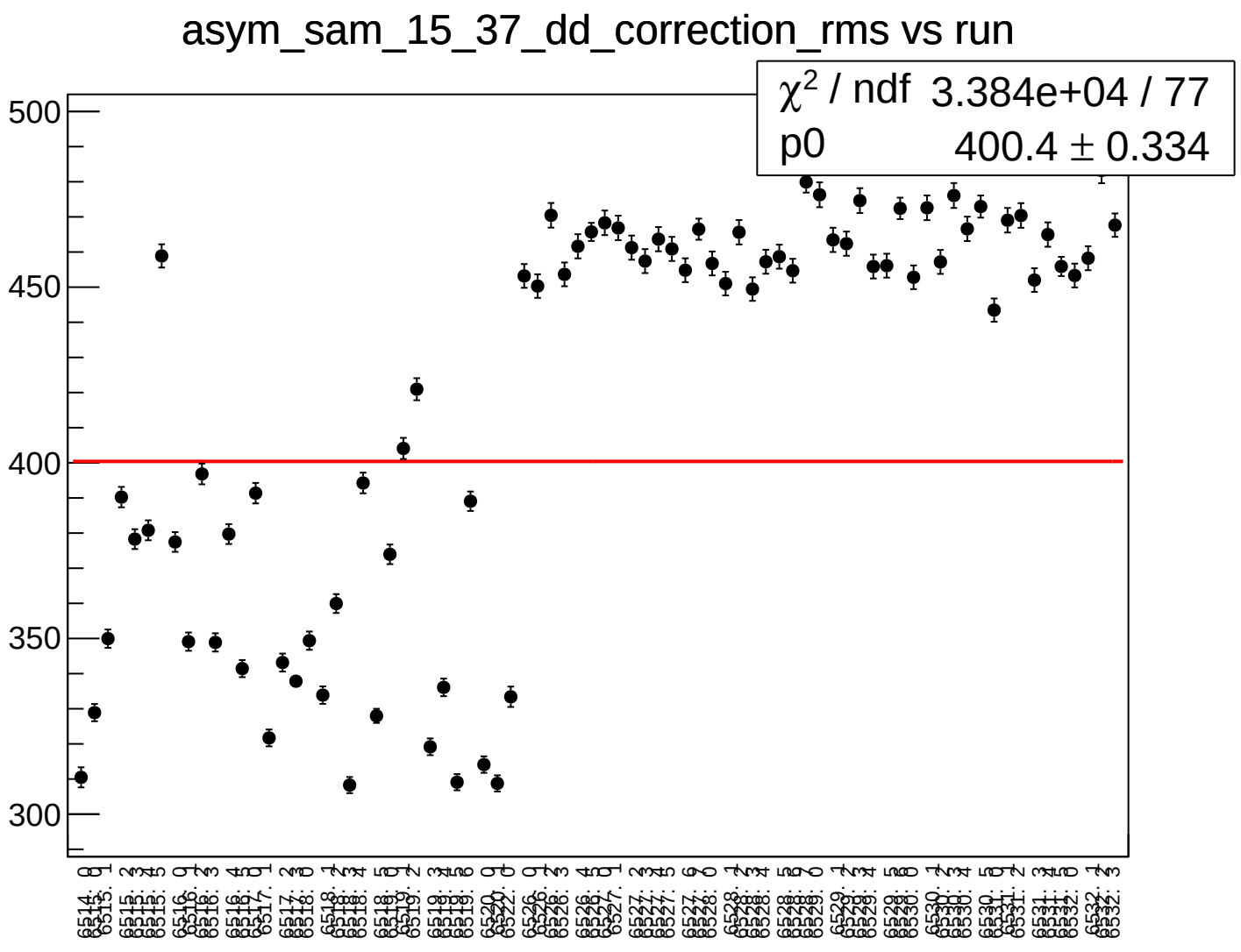

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 76.84 / 77
p0 5.003 ± 66.16
pull
Entries 78
Mean 446.9
Std Dev 389.3

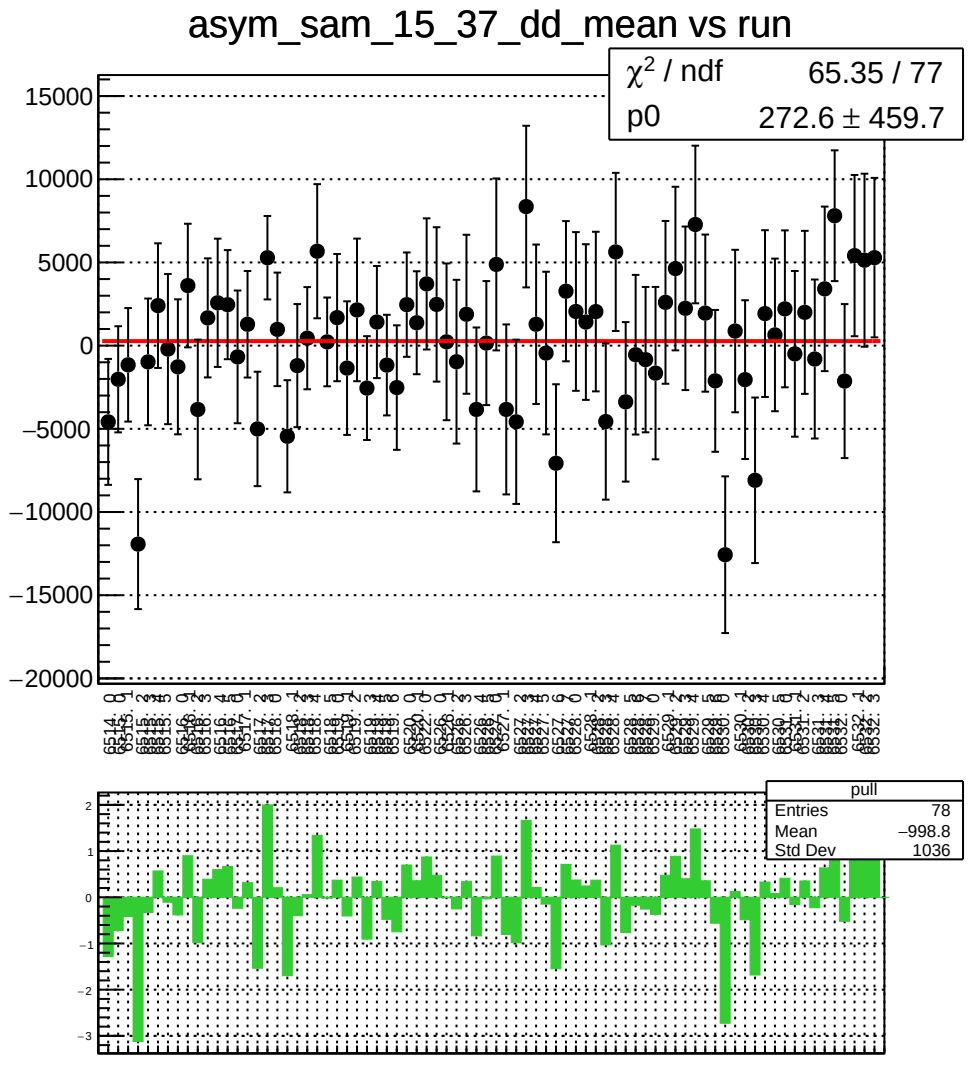

pull1D
Entries 78
Mean 0.008304
Std Dev 0.9925

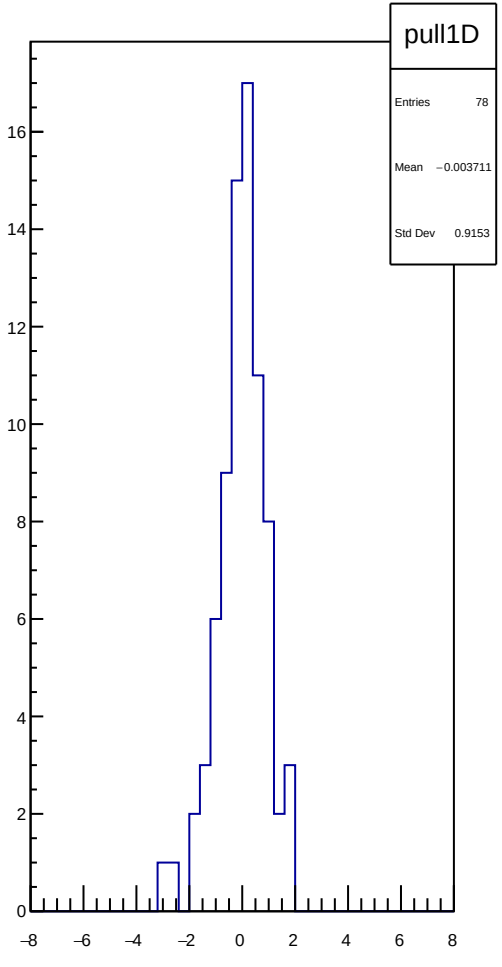

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 1.081e+04 / 77
p0 56.53 ± 0.04678
70
65
60
55
50

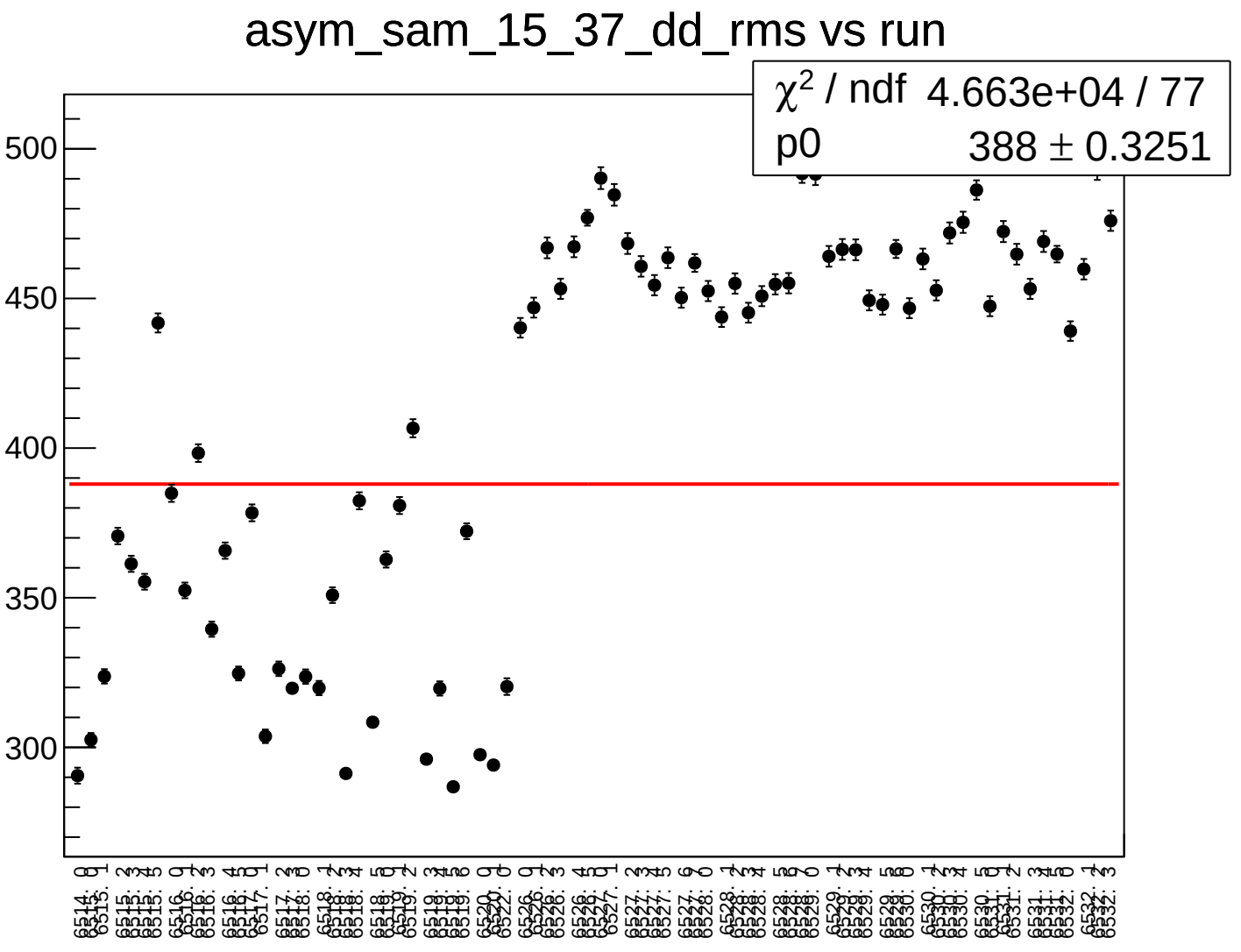

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 68.46 / 77
p0 −393.7 ± 472.3
pull
Entries 78
Mean −300
Std Dev 335.2

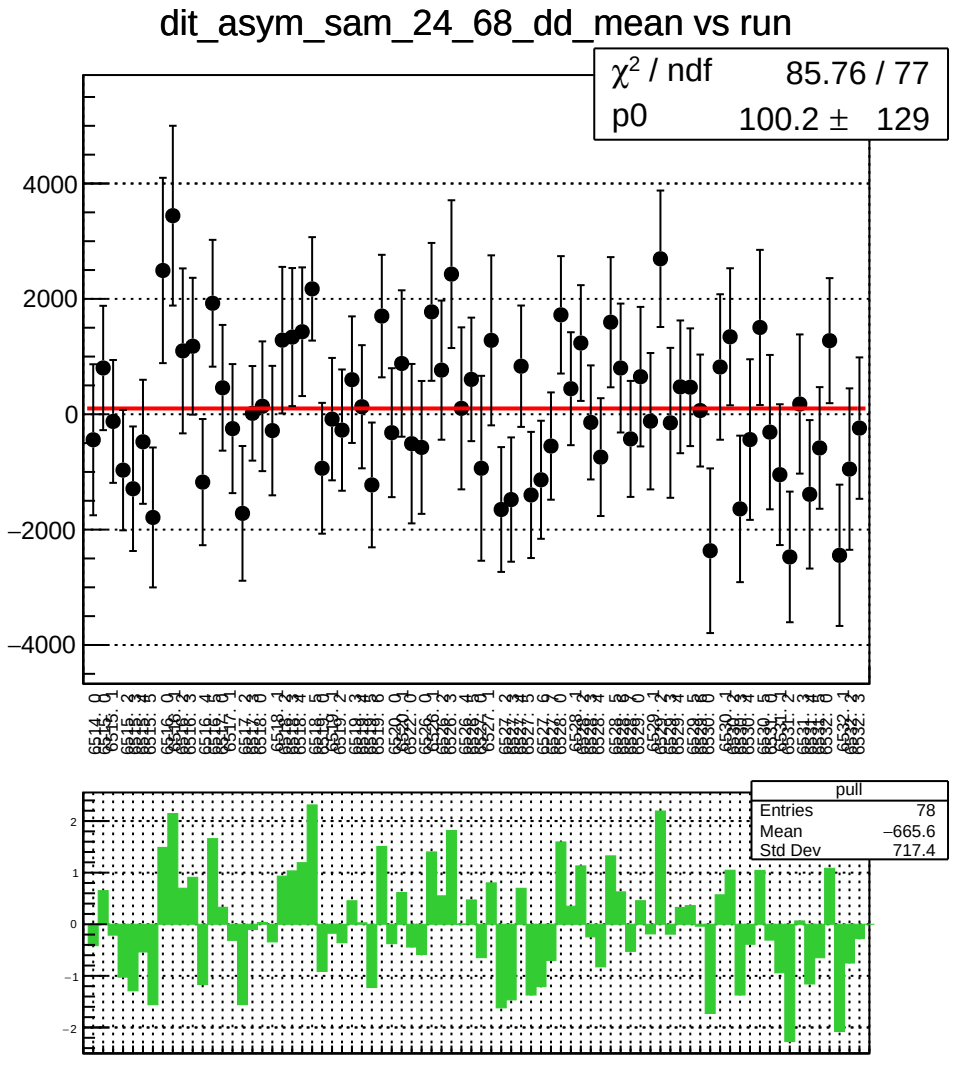

pull1D
Entries 78
Mean 0.01023
Std Dev 0.9368

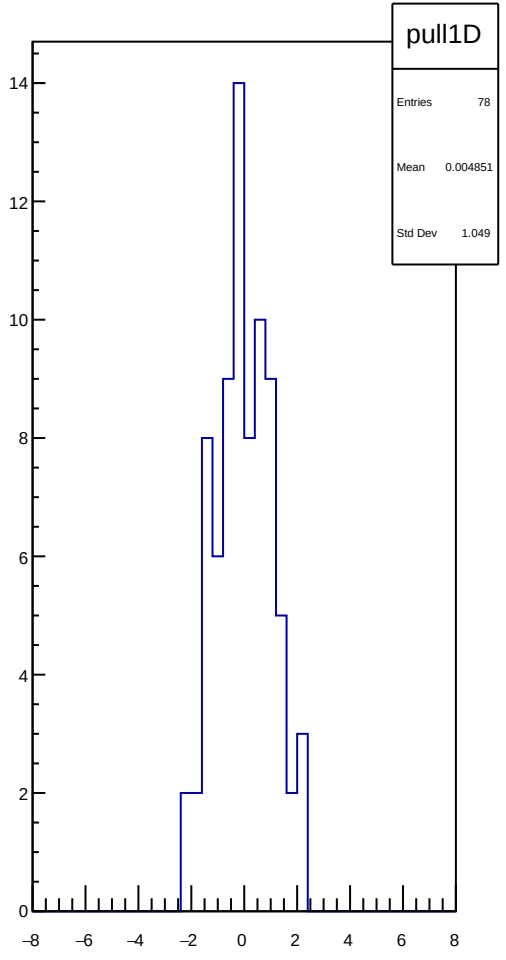

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 3.384e+04 / 77
p0 400.4 ± 0.334
500
450
400
350
300

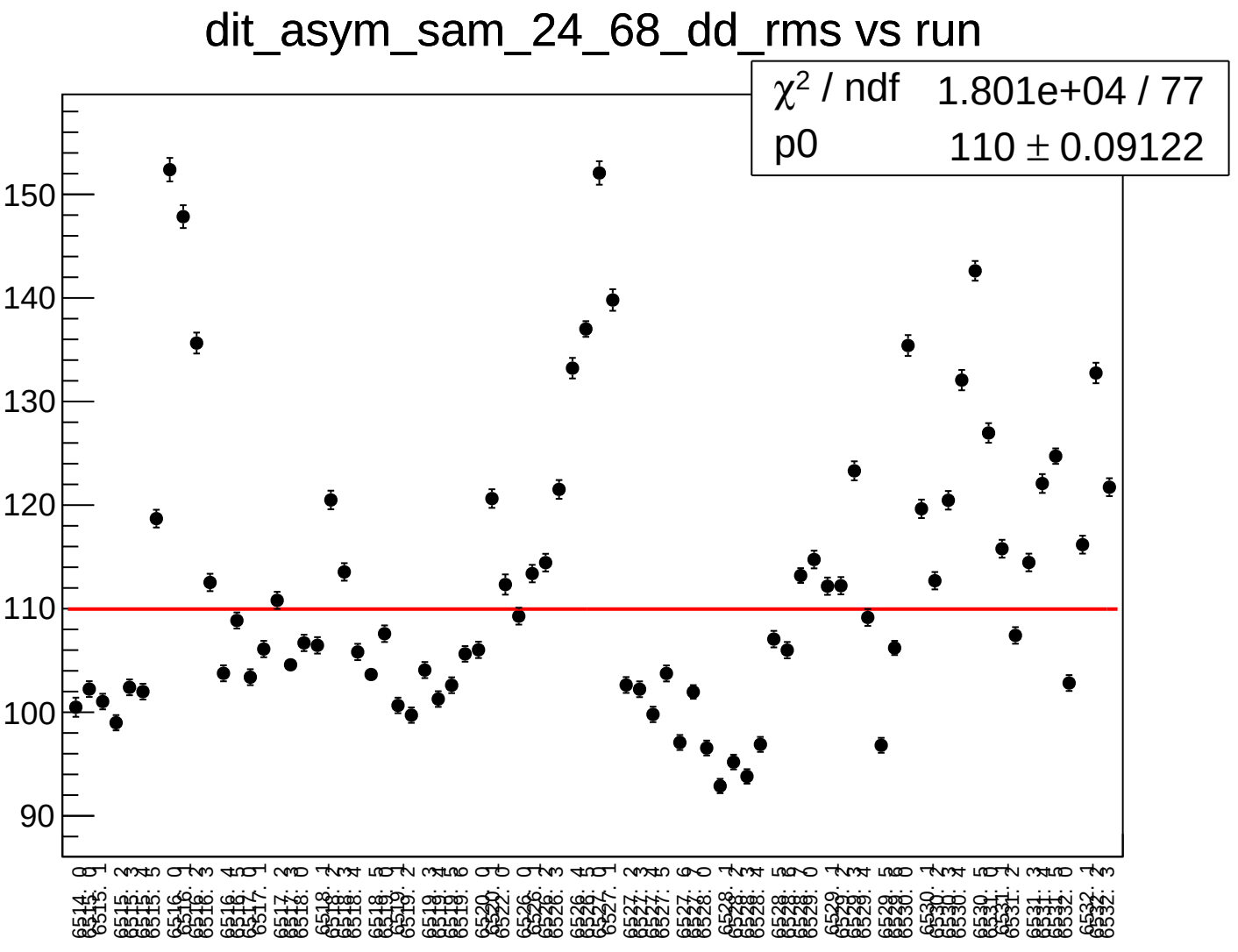

asym_sam_15_37_dd_mean vs run
χ² / ndf 65.35 / 77
p0 272.6 ± 459.7
pull
Entries 78
Mean −998.8
Std Dev 1036

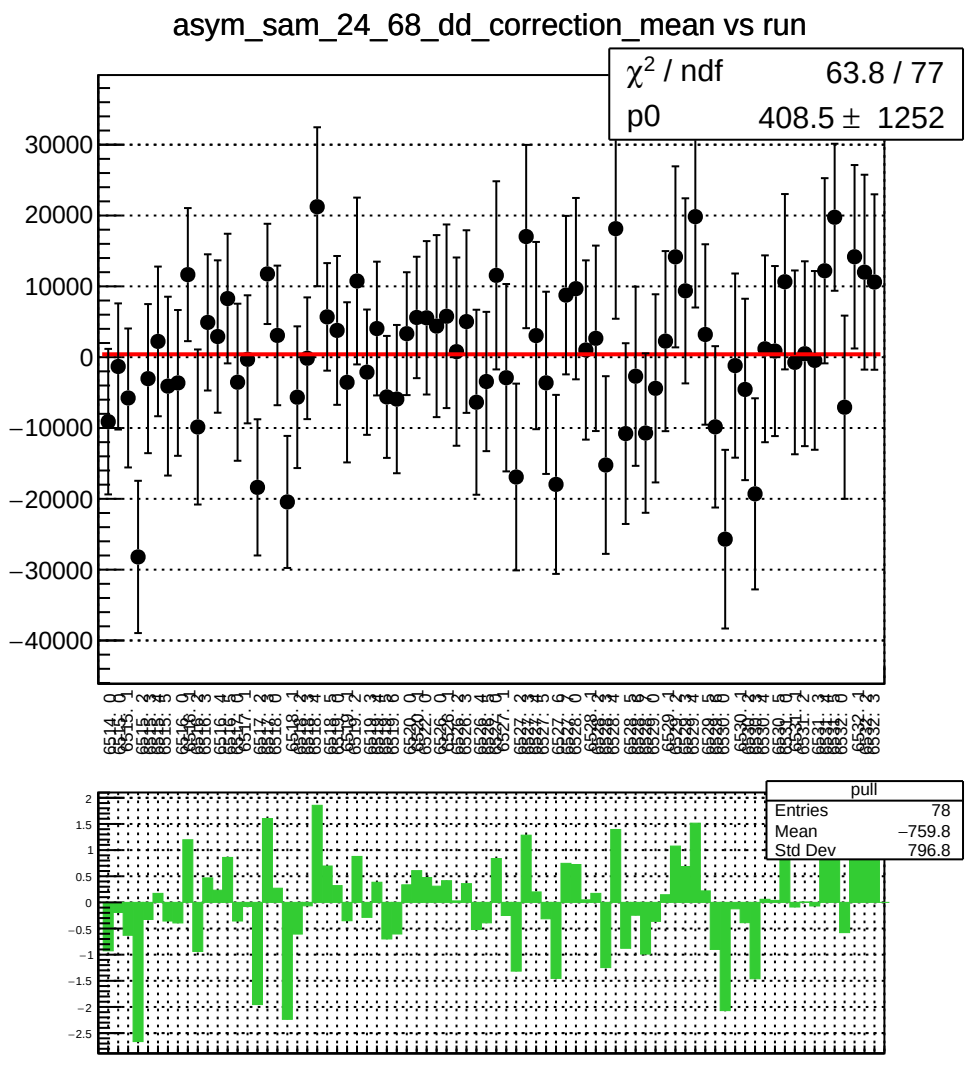

pull1D
Entries 78
Mean −0.003711
Std Dev 0.9153

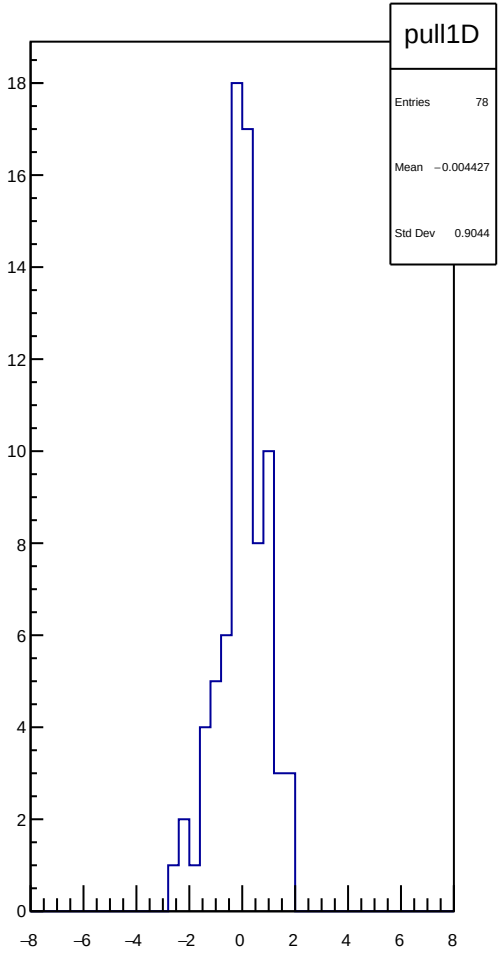

asym_sam_15_37_dd_rms vs run
χ^2 / ndf 4.663e+04 / 77
p0 388 ± 0.3251
500
450
400
350
300

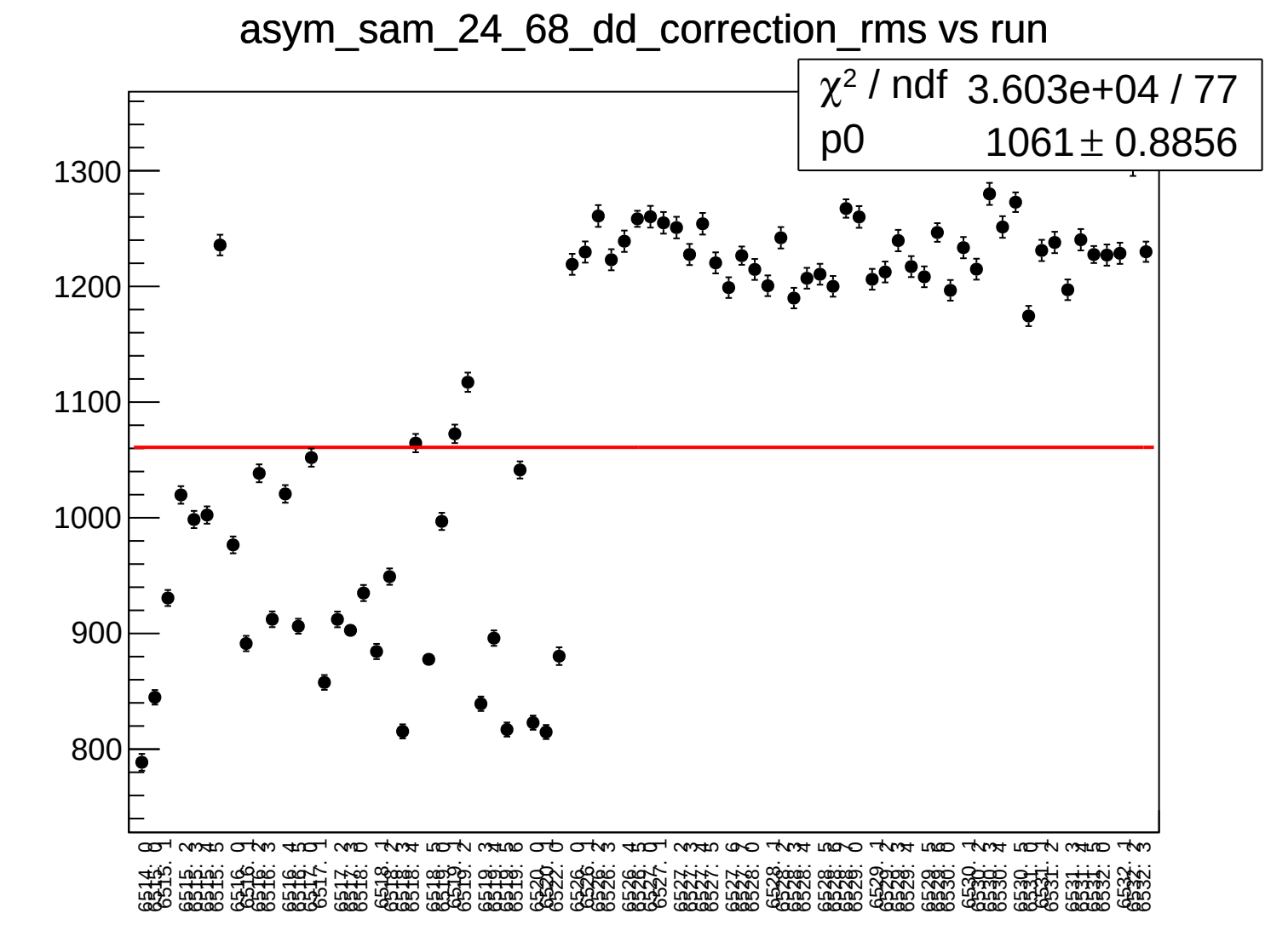

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 85.76 / 77
p0 100.2 ± 129
4000
2000
0
−2000
−4000
pull
Entries 78
Mean −665.6
Std Dev 717.4
2
1
0
−1
−2

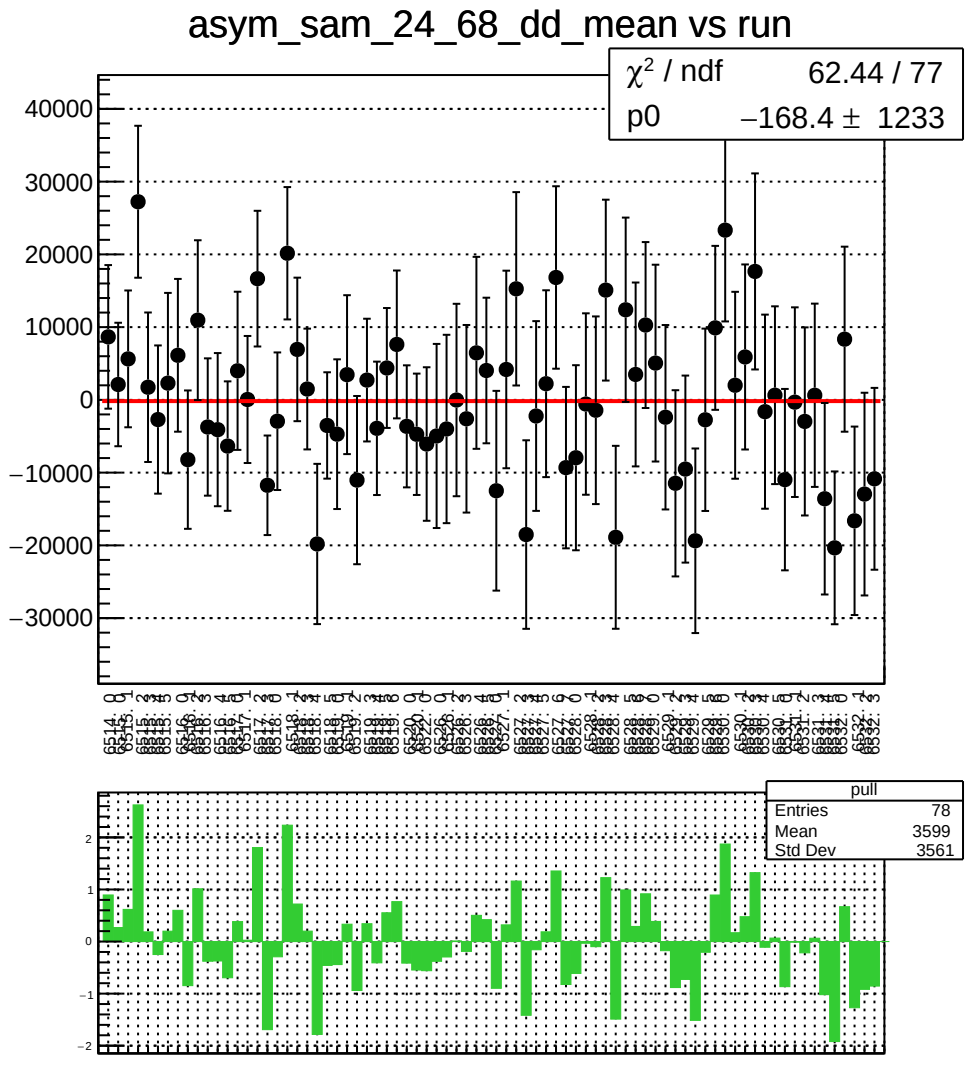

pull1D
Entries 78
Mean 0.004851
Std Dev 1.049
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

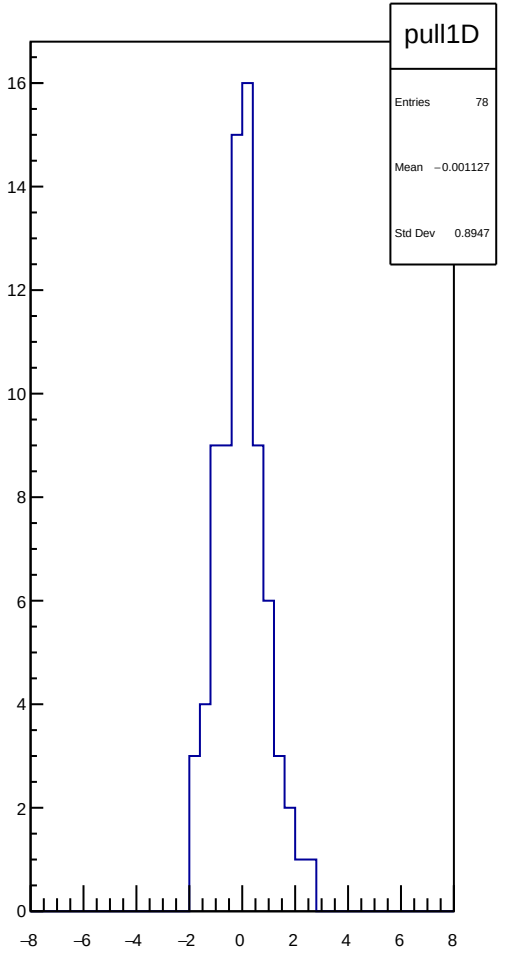

dit_asym_sam_24_68_dd_rms vs run
χ^2 / ndf 1.801e+04 / 77
p0 110 ± 0.09122
150
140
130
120
110
100
90

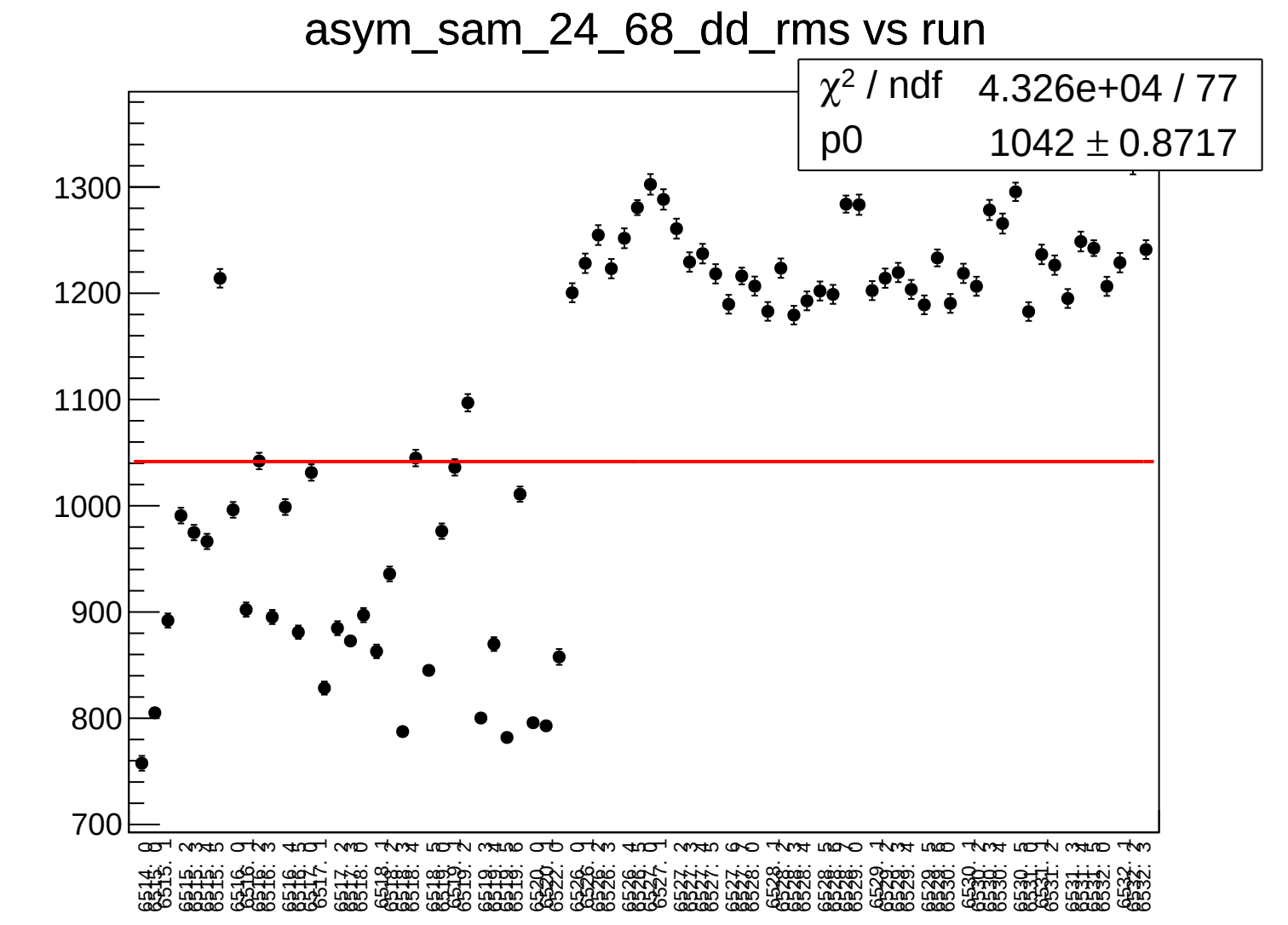

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 63.8 / 77
p0 408.5 ± 1252
pull
Entries 78
Mean −759.8
Std Dev 796.8

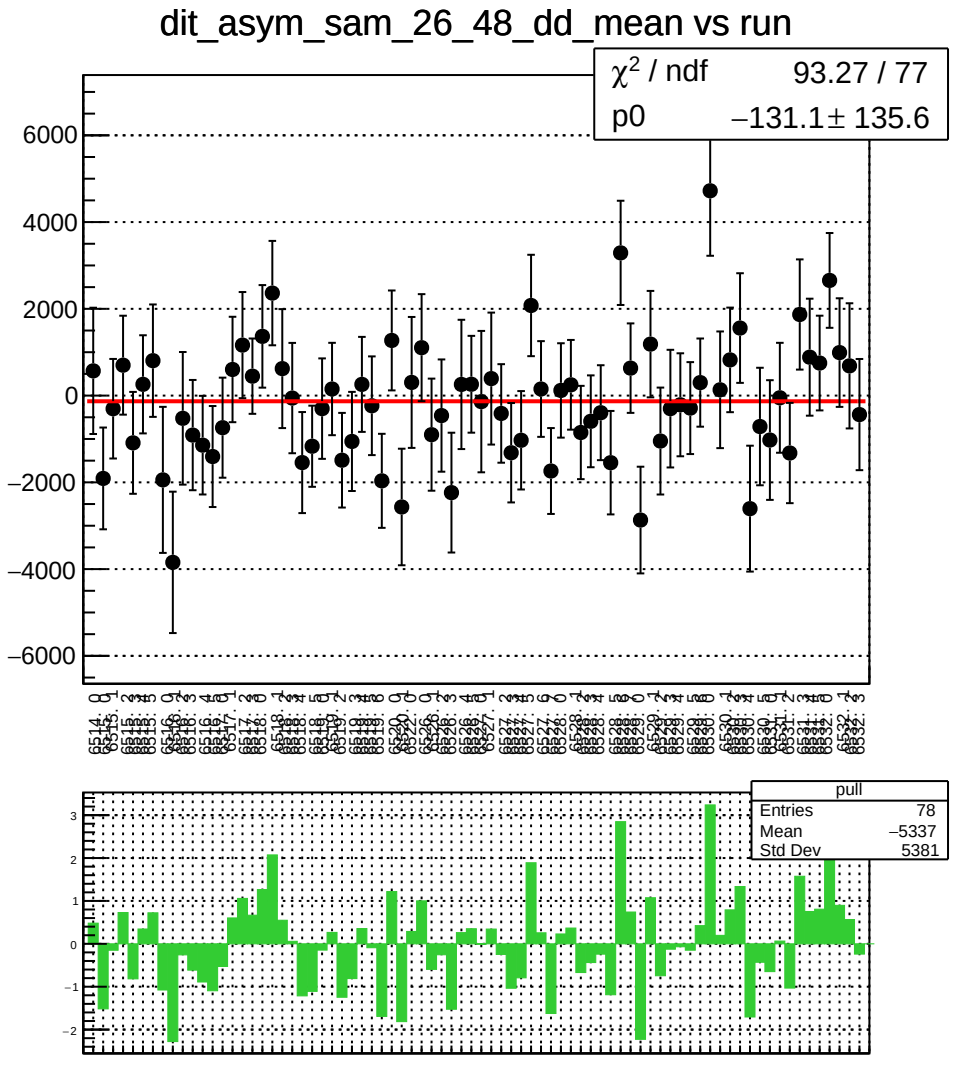

pull1D
Entries 78
Mean −0.004427
Std Dev 0.9044

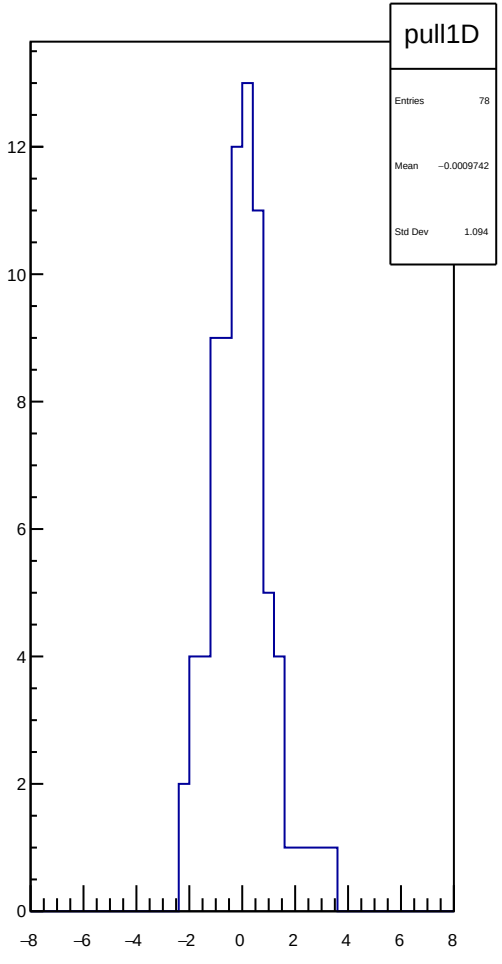

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 3.603e+04 / 77
p0 1061 ± 0.8856
1300
1200
1100
1000
900
800

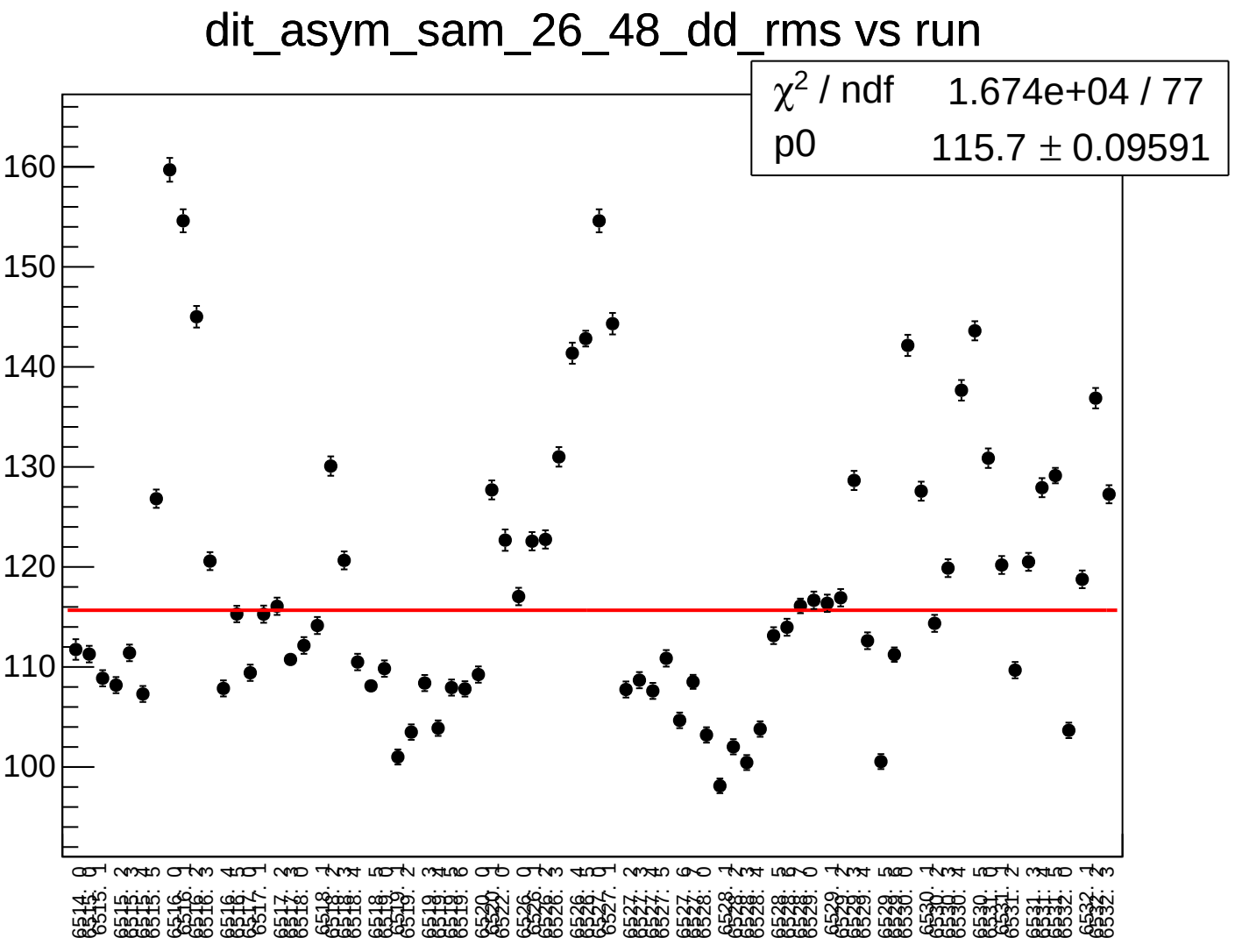

asym_sam_24_68_dd_mean vs run
χ² / ndf 62.44 / 77
p0 −168.4 ± 1233
pull
Entries 78
Mean 3599
Std Dev 3561

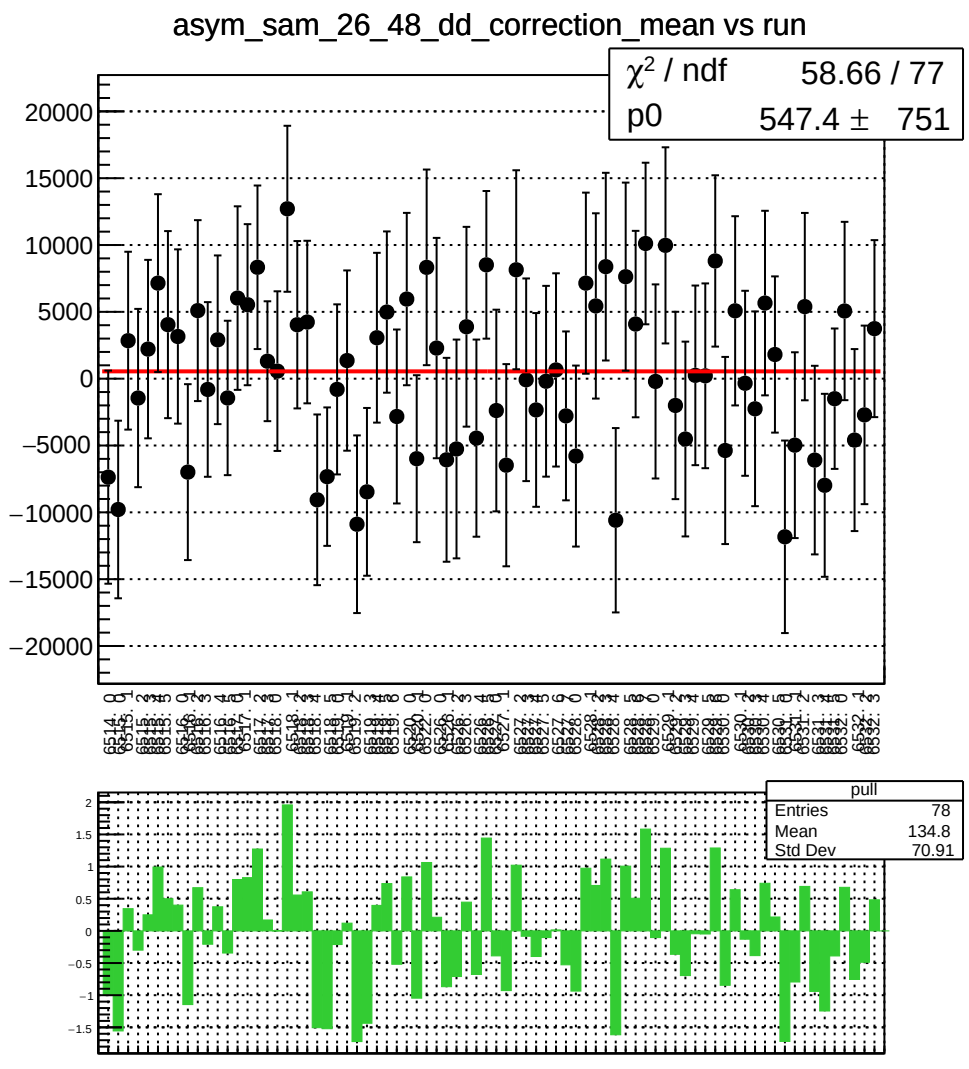

pull1D
Entries 78
Mean −0.001127
Std Dev 0.8947

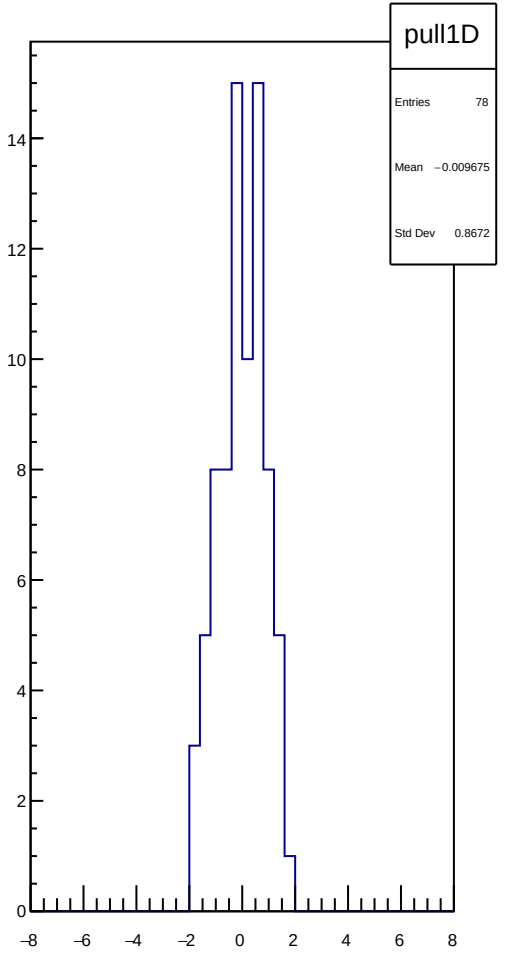

asym_sam_24_68_dd_rms vs run
χ² / ndf 4.326e+04 / 77
p0 1042 ± 0.8717
1300
1200
1100
1000
900
800
700

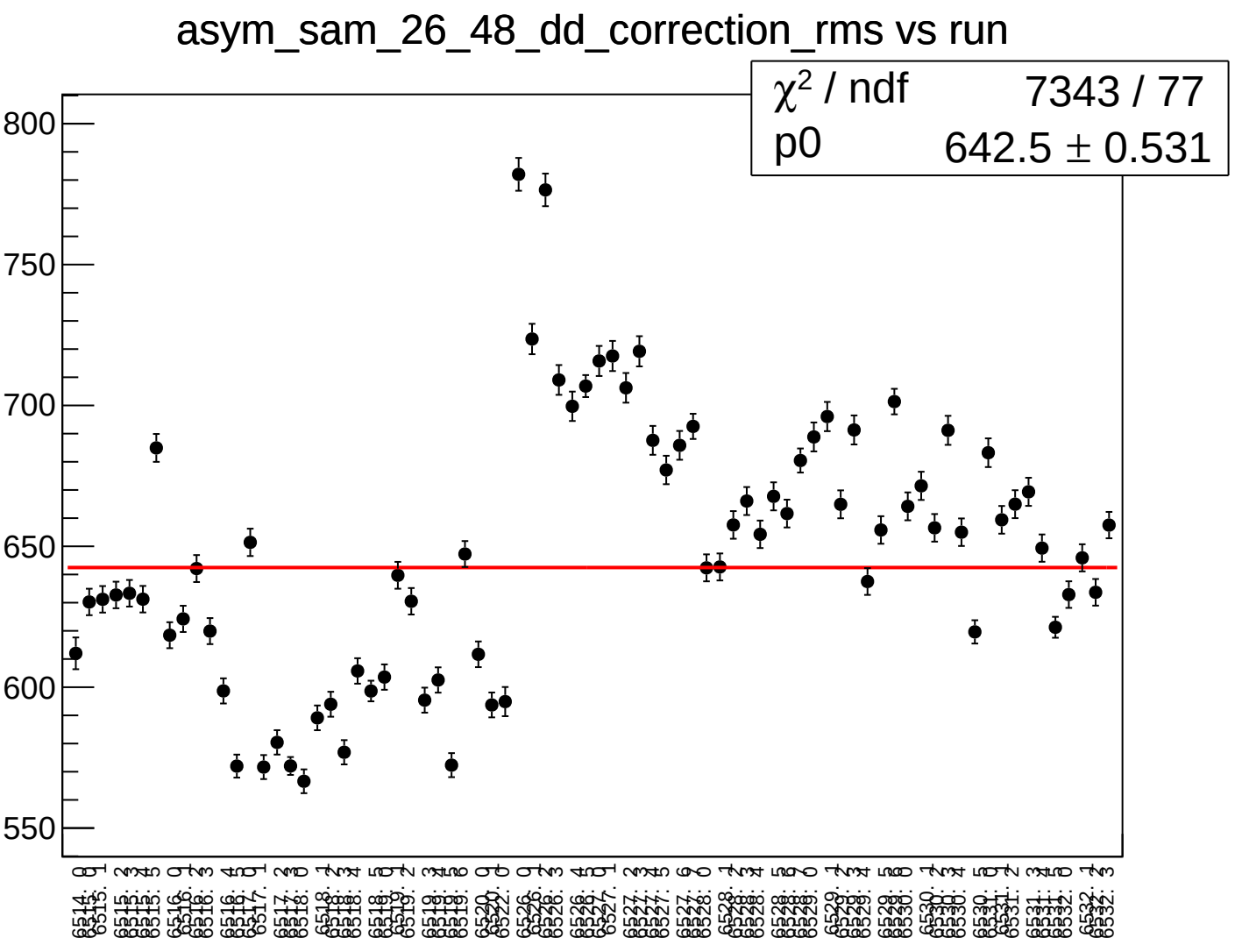

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 93.27 / 77
p0 −131.1± 135.6
pull
Entries 78
Mean −5337
Std Dev 5381

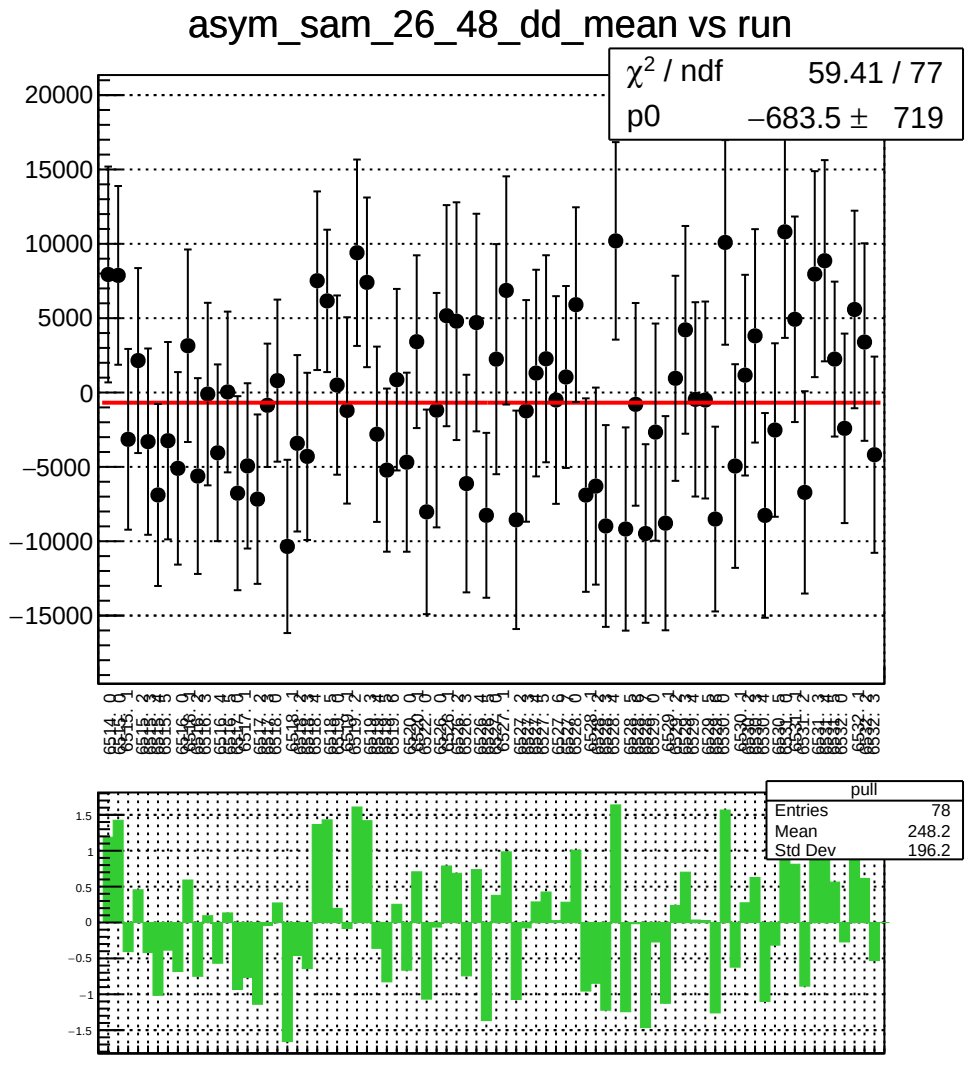

pull1D
Entries 78
Mean −0.0009742
Std Dev 1.094

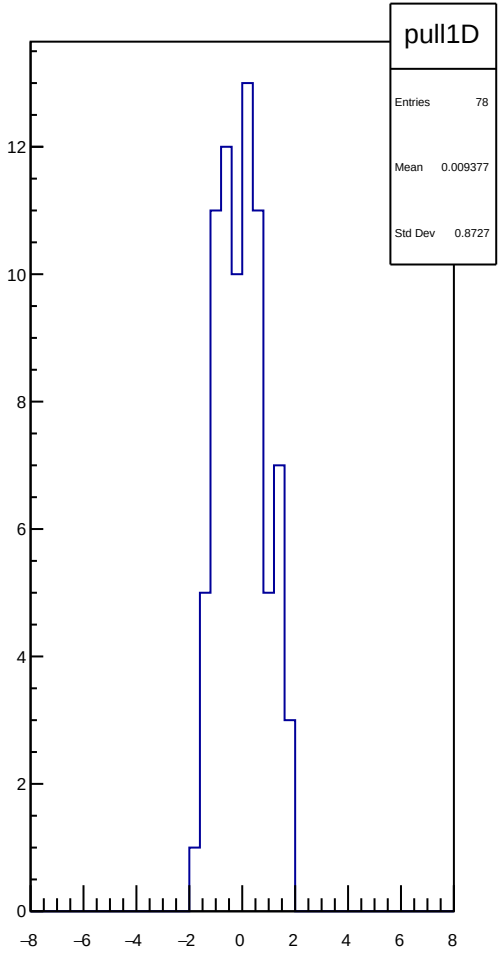

dit_asym_sam_26_48_dd_rms vs run
χ^2 / ndf 1.674e+04 / 77
p0 115.7 ± 0.09591
160
150
140
130
120
110
100

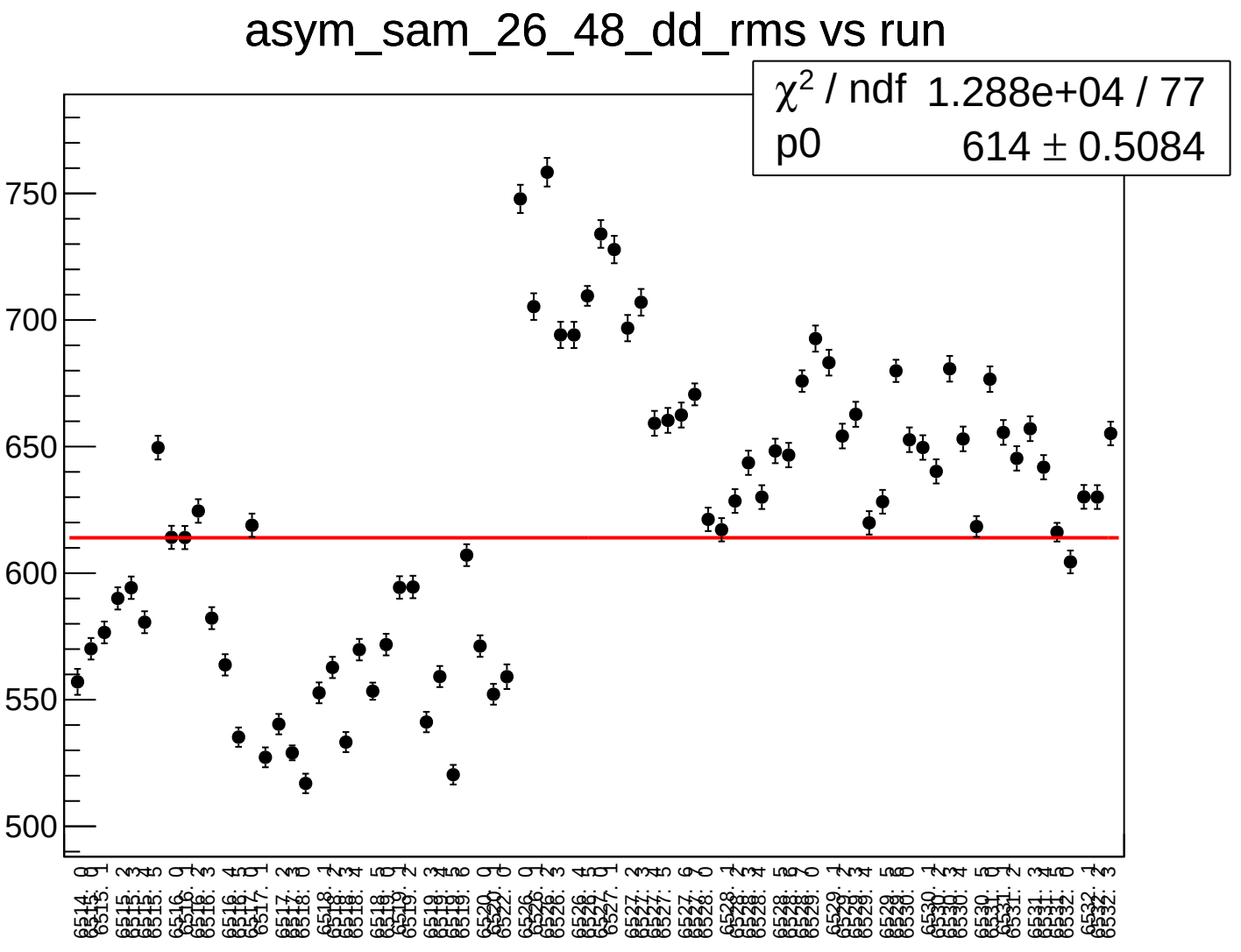

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 58.66 / 77
p0 547.4 ± 751
pull
Entries 78
Mean 134.8
Std Dev 70.91

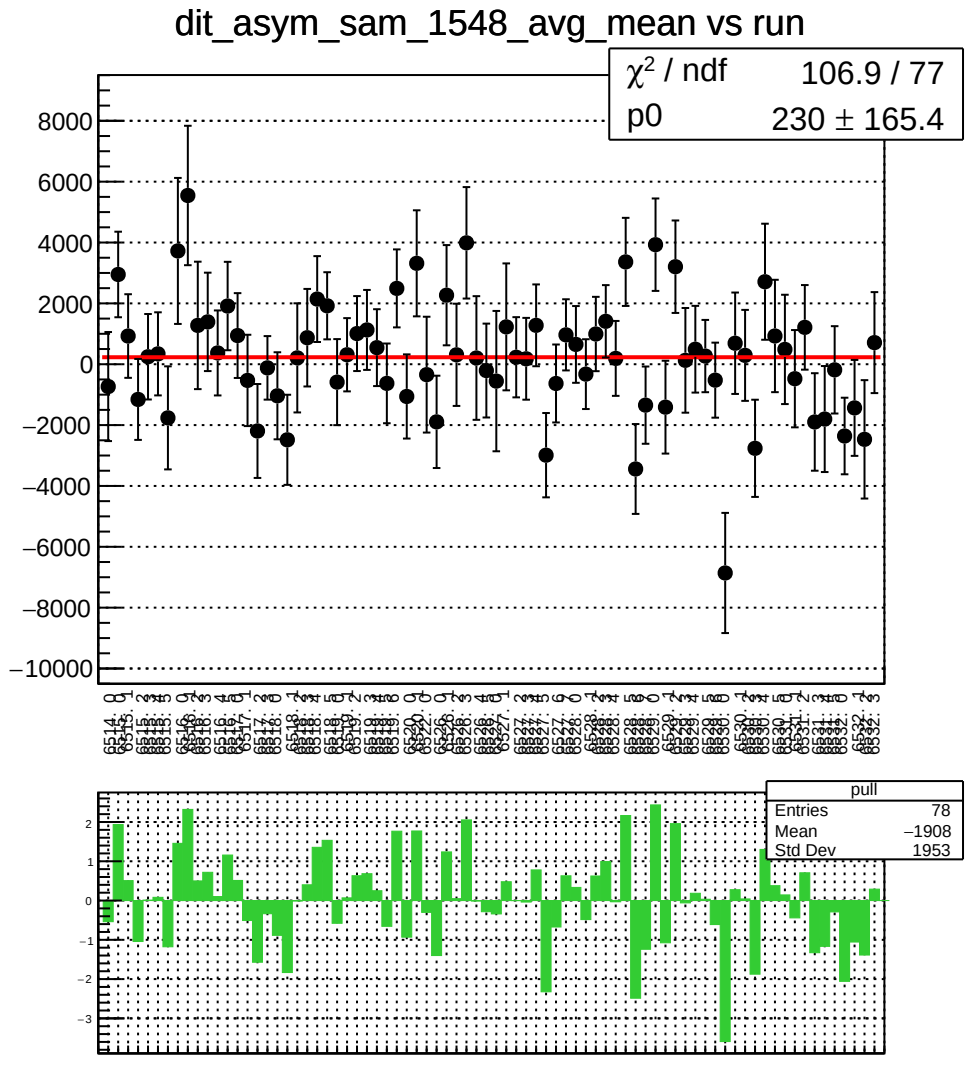

pull1D
Entries 78
Mean −0.009675
Std Dev 0.8672

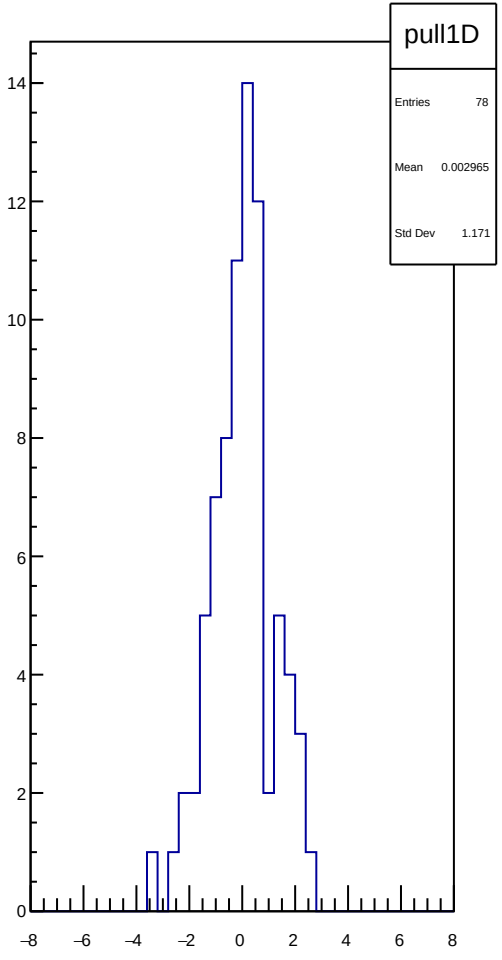

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 7343 / 77
p0 642.5 ± 0.531
800
750
700
650
600
550

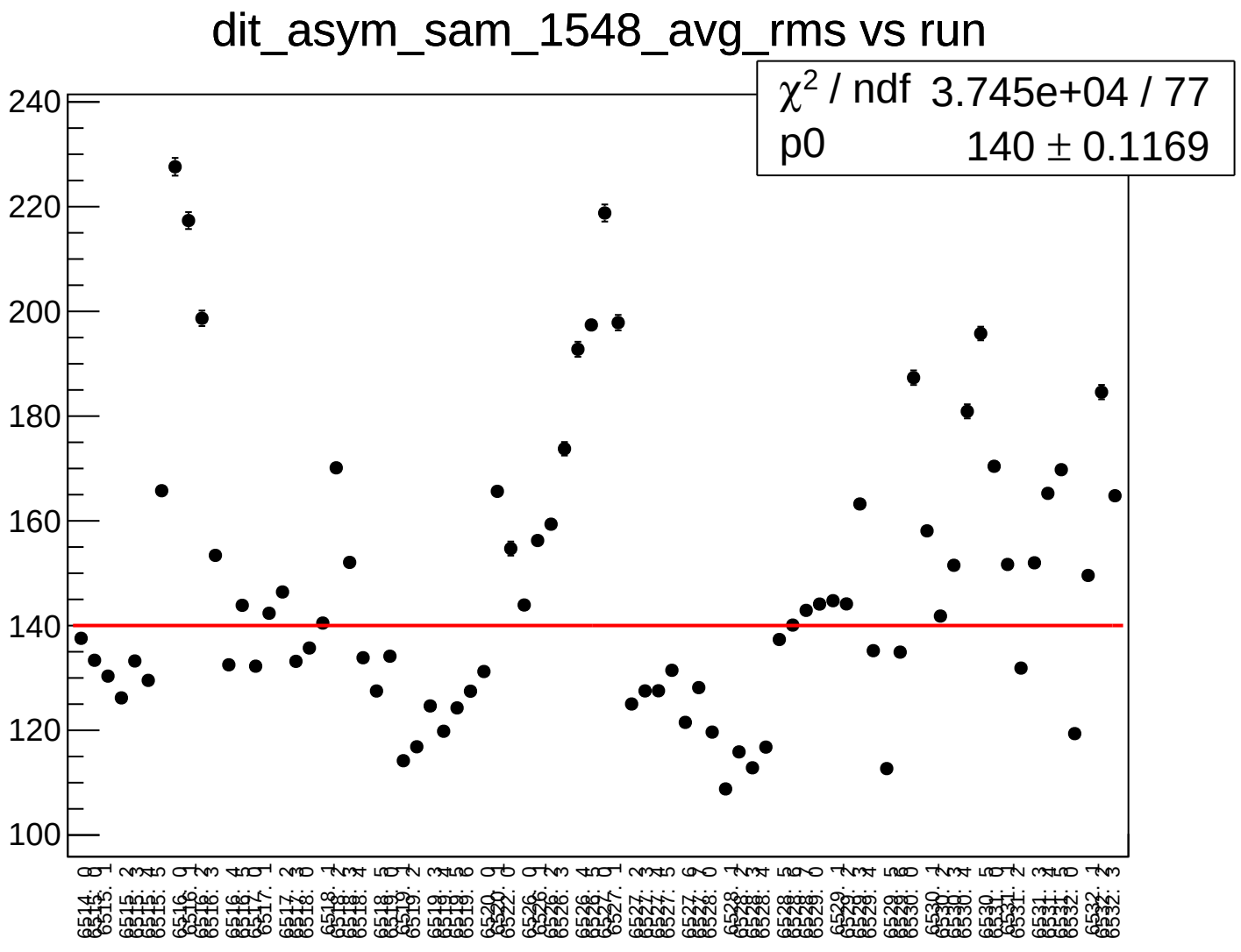

asym_sam_26_48_dd_mean vs run
χ² / ndf 59.41 / 77
p0 −683.5 ± 719
pull
Entries 78
Mean 248.2
Std Dev 196.2

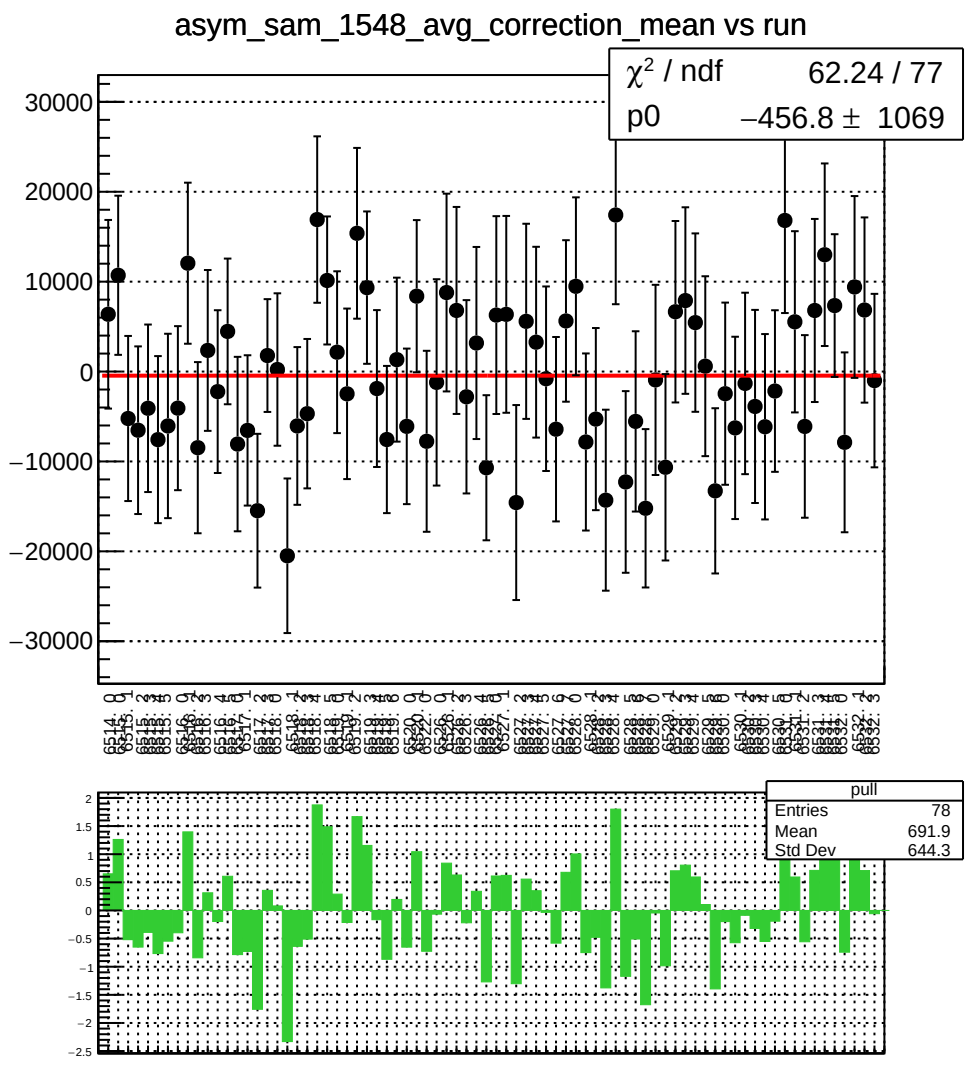

pull1D
Entries 78
Mean 0.009377
Std Dev 0.8727

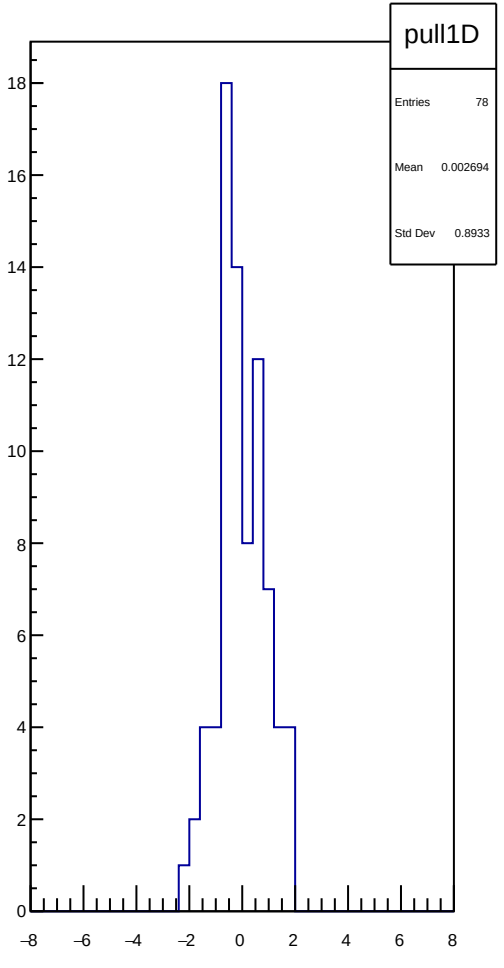

asym_sam_26_48_dd_rms vs run
χ² / ndf 1.288e+04 / 77
p0 614 ± 0.5084
750
700
650
600
550
500

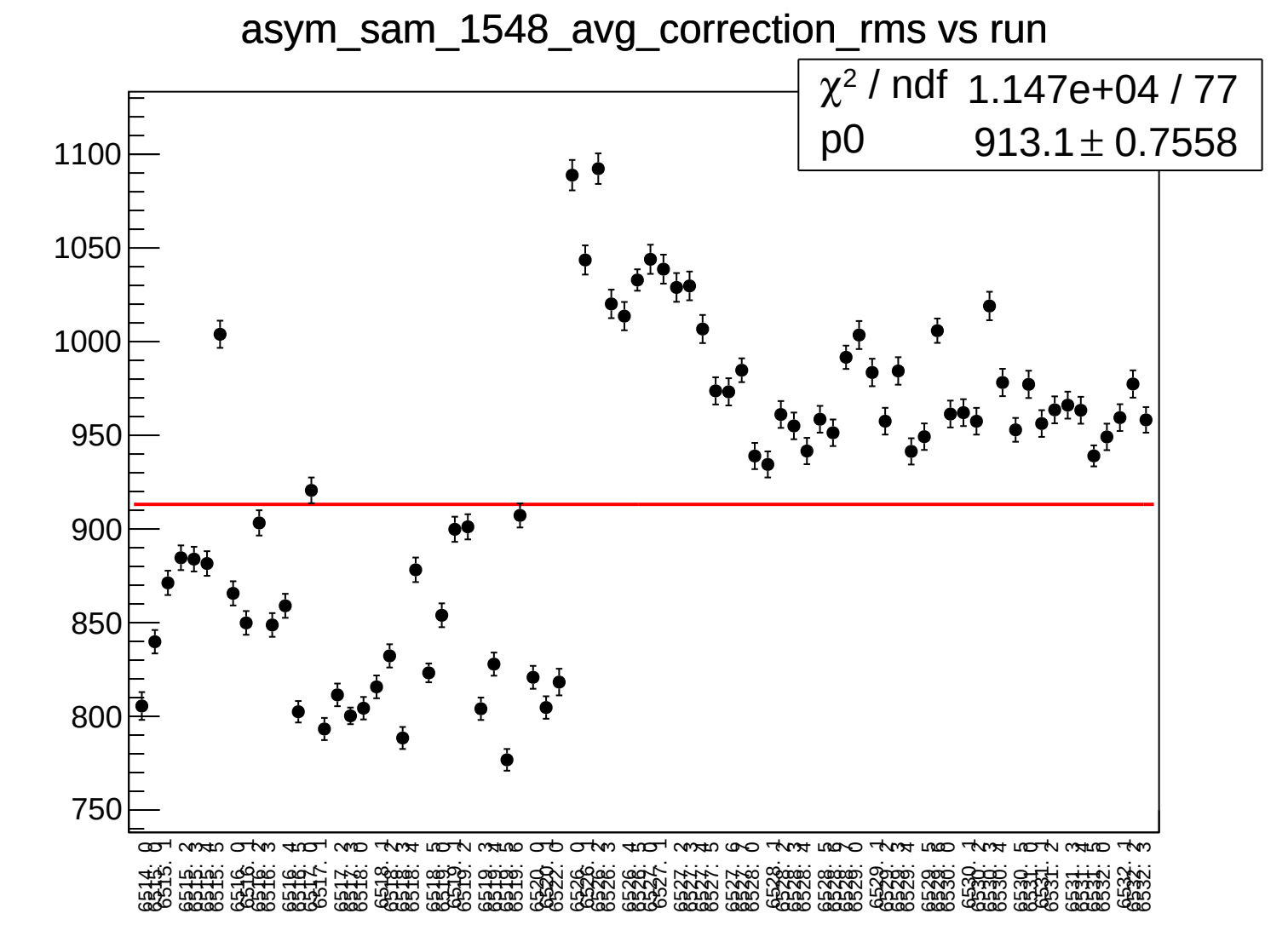

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 106.9 / 77
p0 230 ± 165.4
pull
Entries 78
Mean −1908
Std Dev 1953

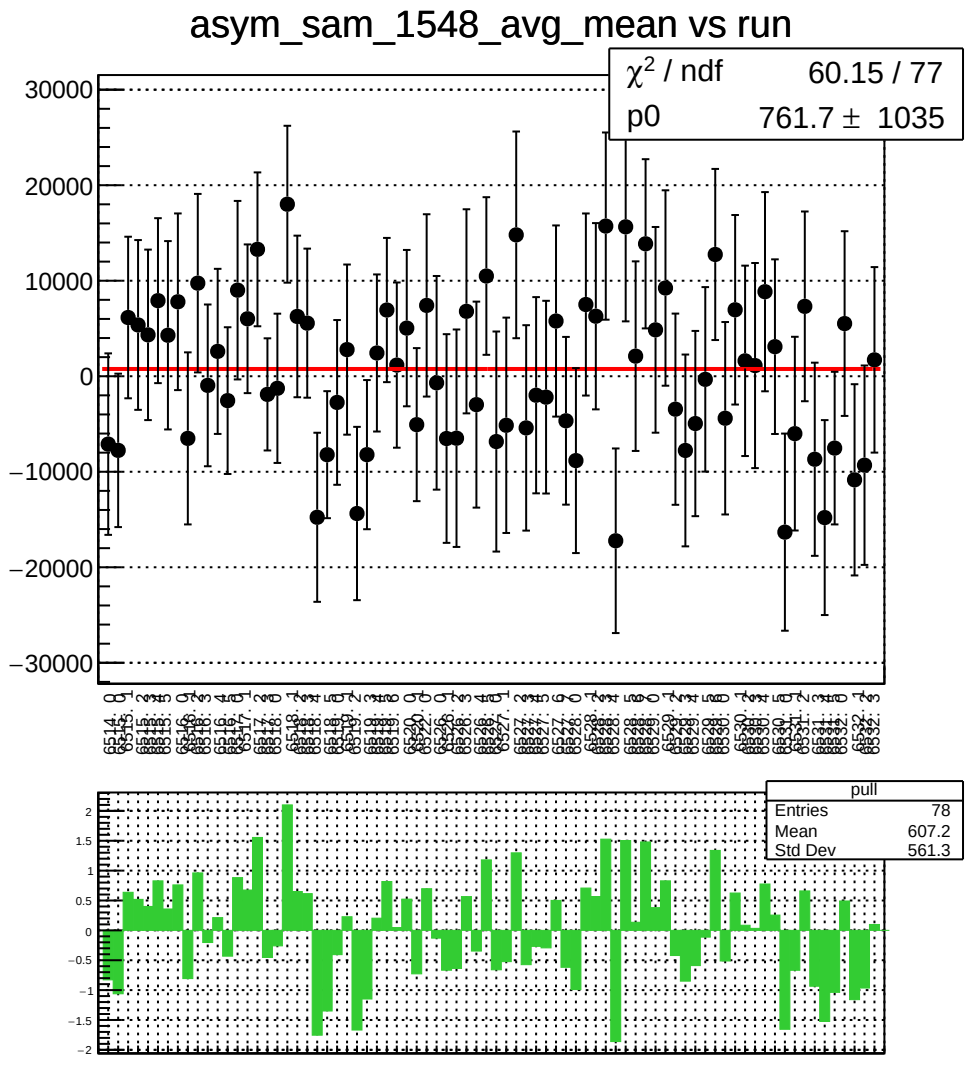

pull1D
Entries 78
Mean 0.002965
Std Dev 1.171

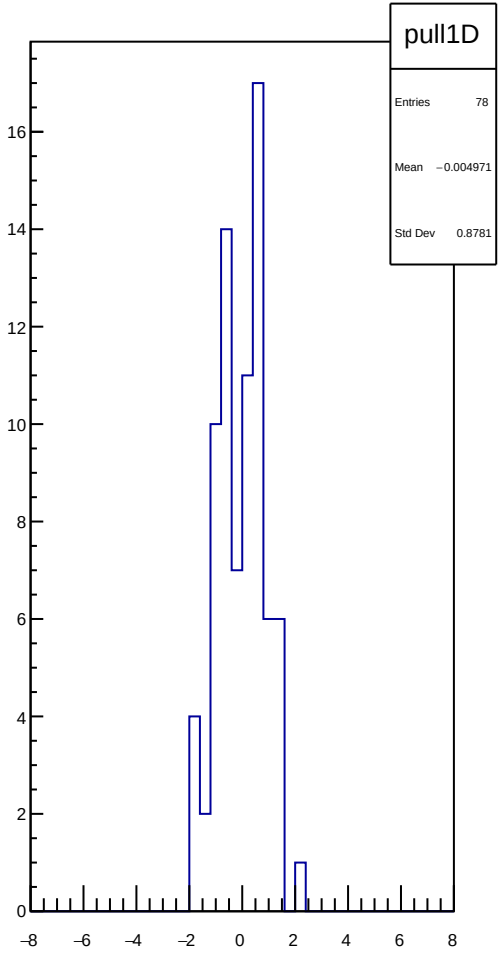

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 3.745e+04 / 77
p0 140 ± 0.1169
240
220
200
180
160
140
120
100

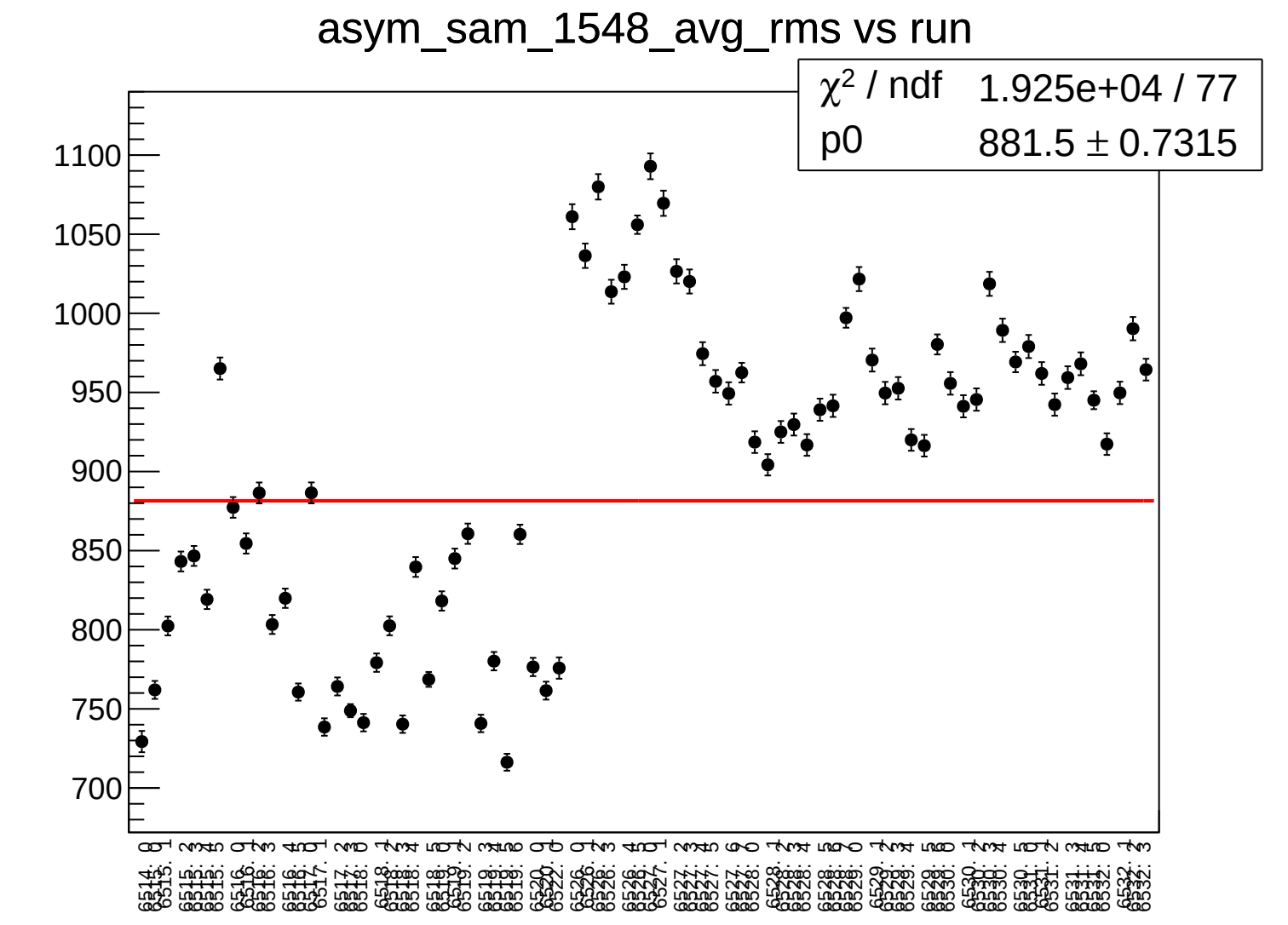

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 62.24 / 77
p0 −456.8 ± 1069
pull
Entries 78
Mean 691.9
Std Dev 644.3

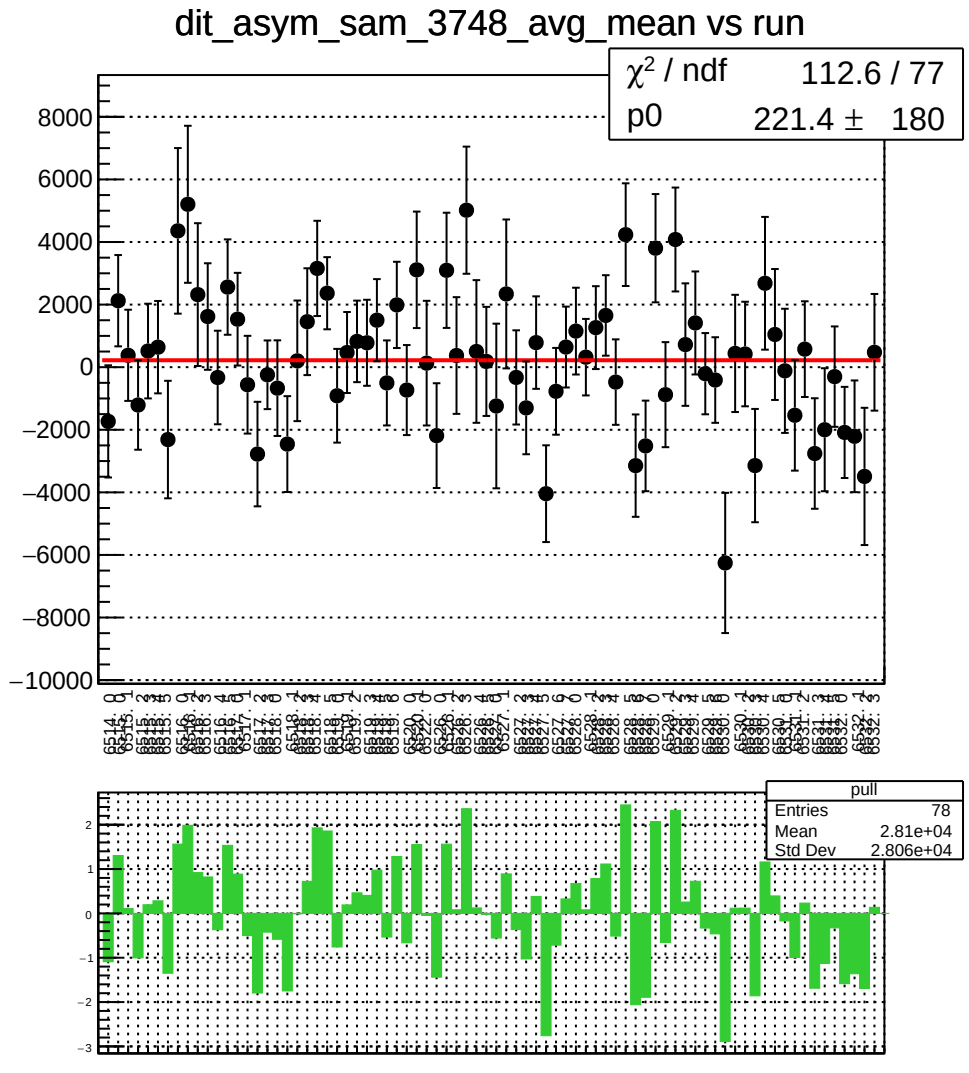

pull1D
Entries 78
Mean 0.002694
Std Dev 0.8933

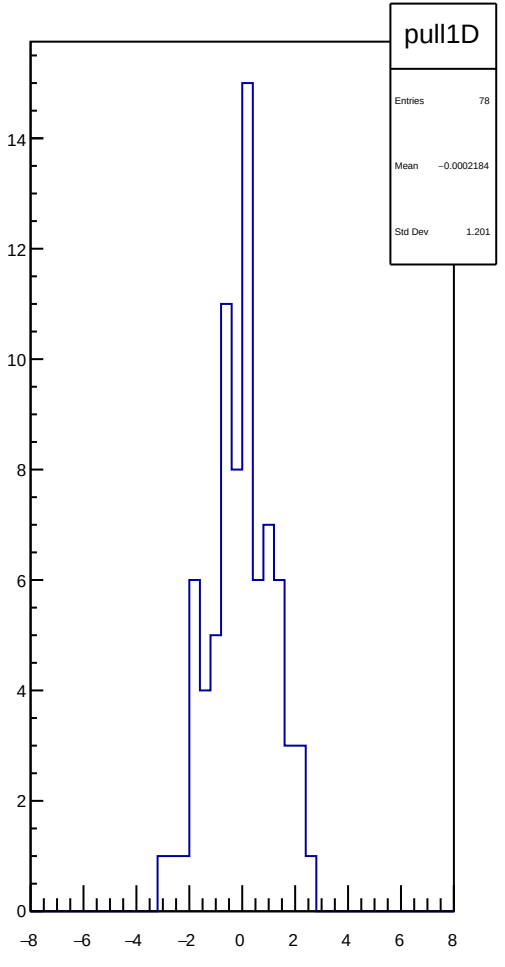

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 1.147e+04 / 77
p0 913.1 ± 0.7558
1100
1050
1000
950
900
850
800
750

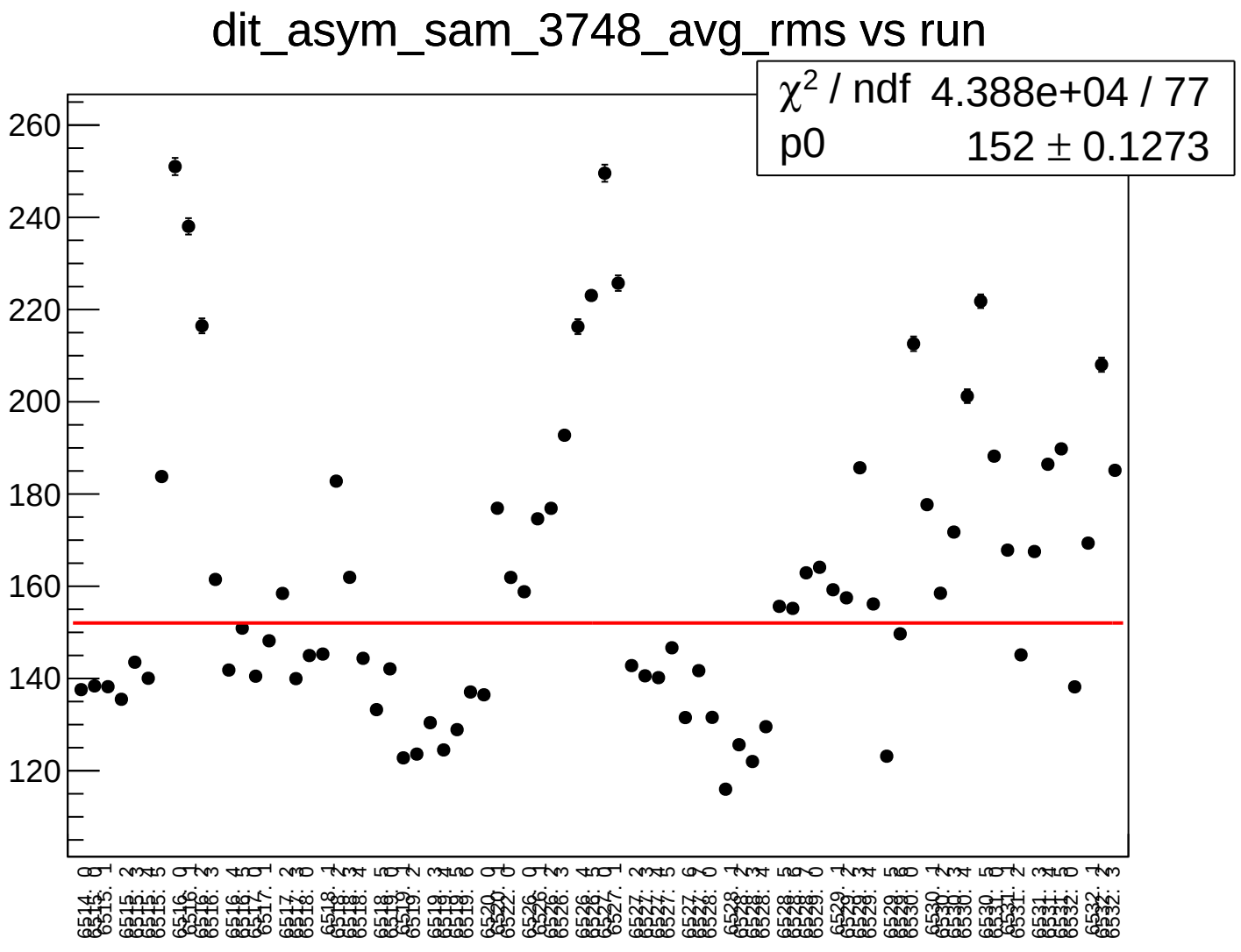

asym_sam_1548_avg_mean vs run
χ² / ndf 60.15 / 77
p0 761.7 ± 1035
pull
Entries 78
Mean 607.2
Std Dev 561.3

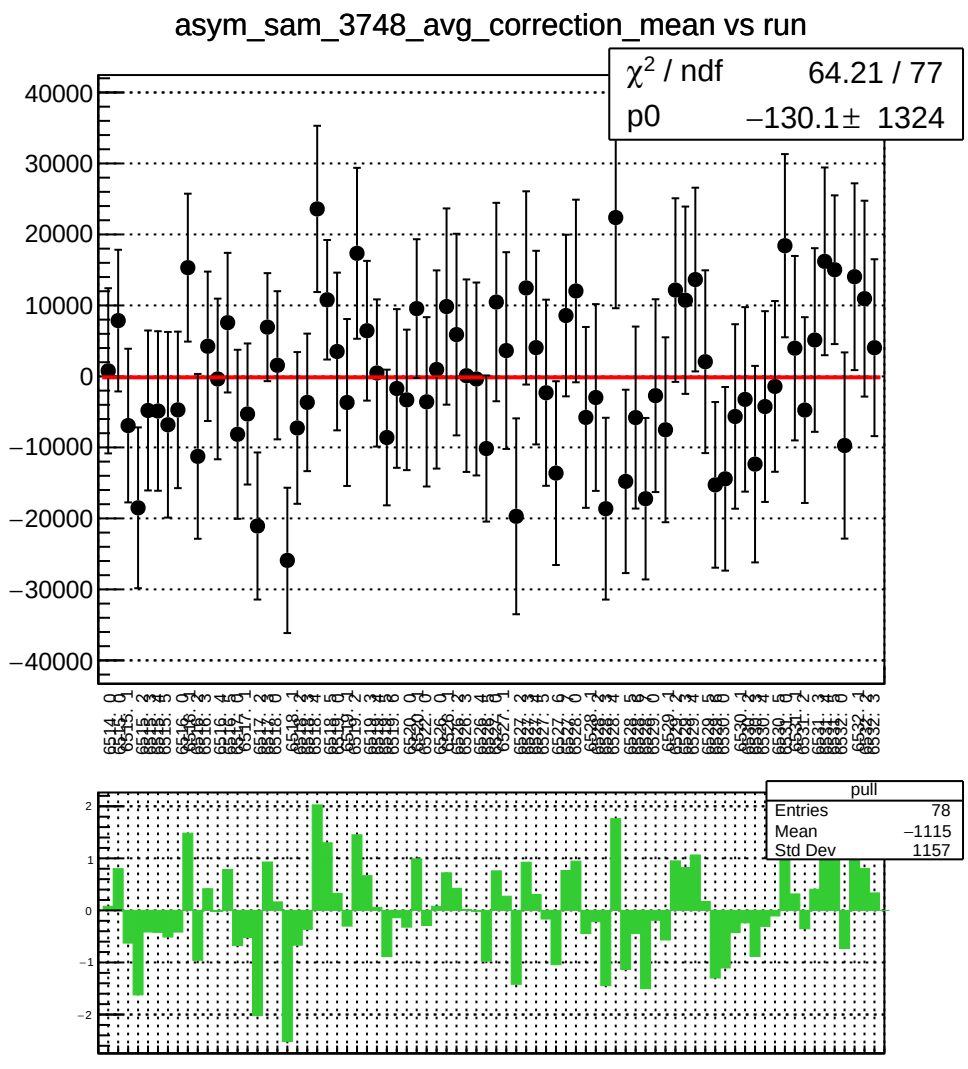

pull1D
Entries 78
Mean −0.004971
Std Dev 0.8781

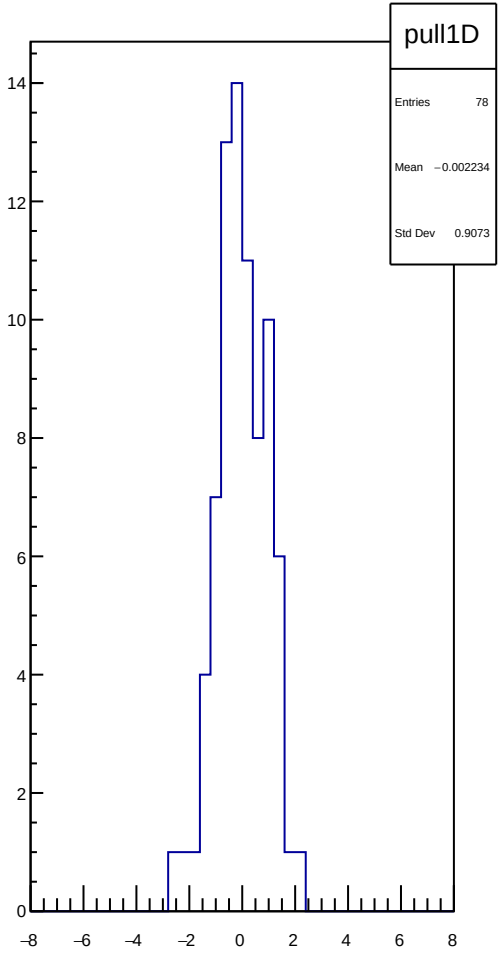

asym_sam_1548_avg_rms vs run
χ² / ndf 1.925e+04 / 77
p0 881.5 ± 0.7315
1100
1050
1000
950
900
850
800
750
700

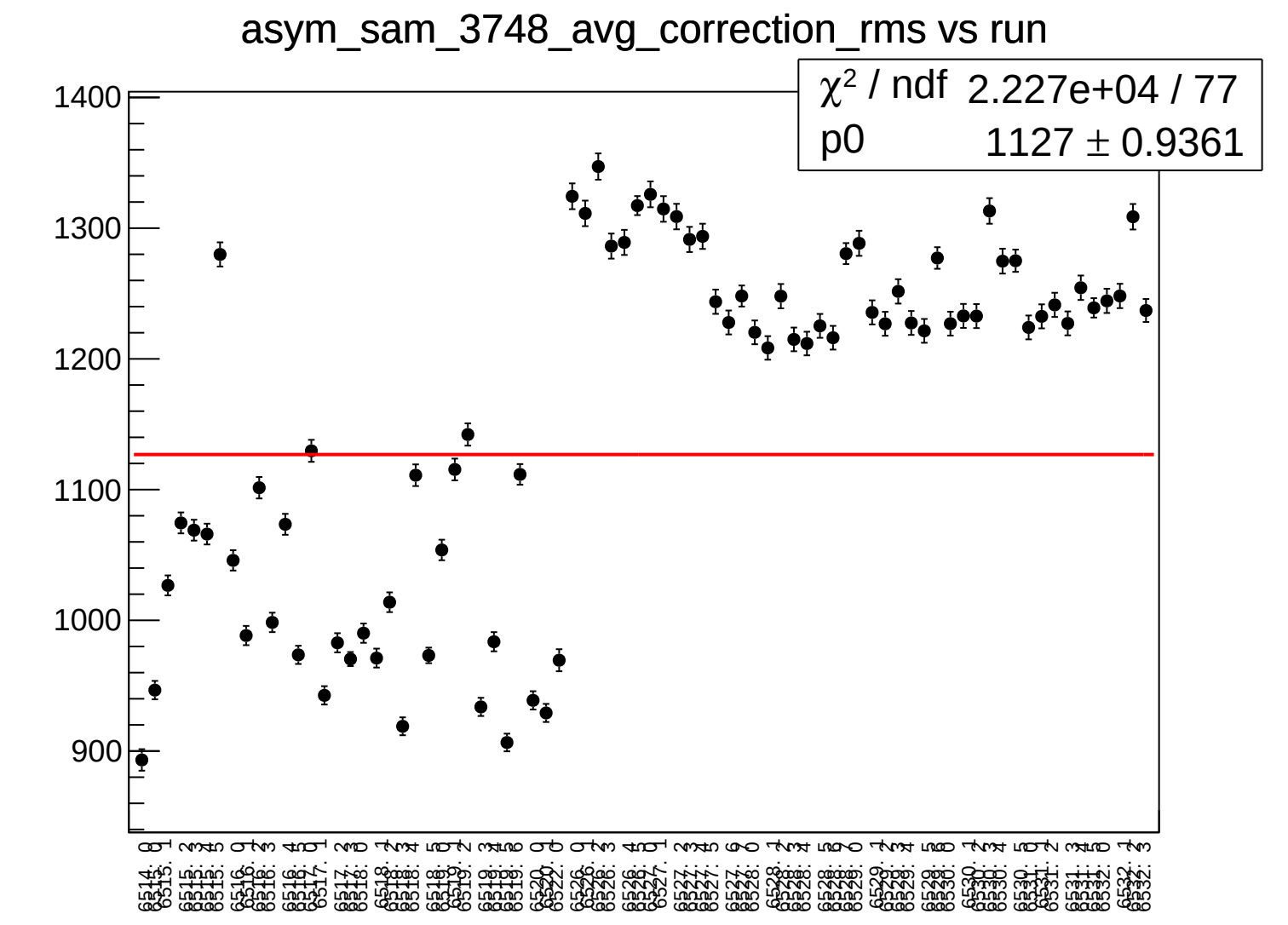

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 112.6 / 77
p0 221.4 ± 180
pull
Entries 78
Mean 2.81e+04
Std Dev 2.806e+04

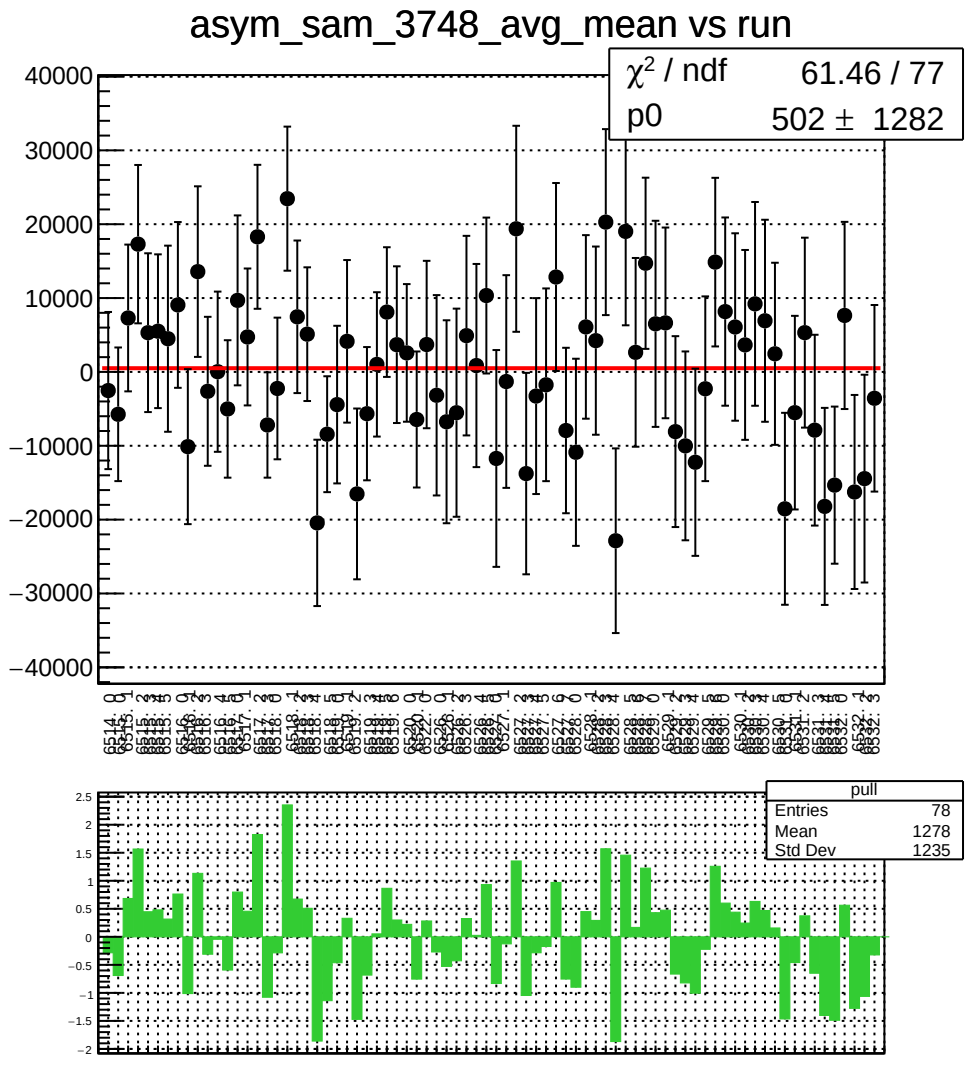

pull1D
Entries 78
Mean −0.0002184
Std Dev 1.201

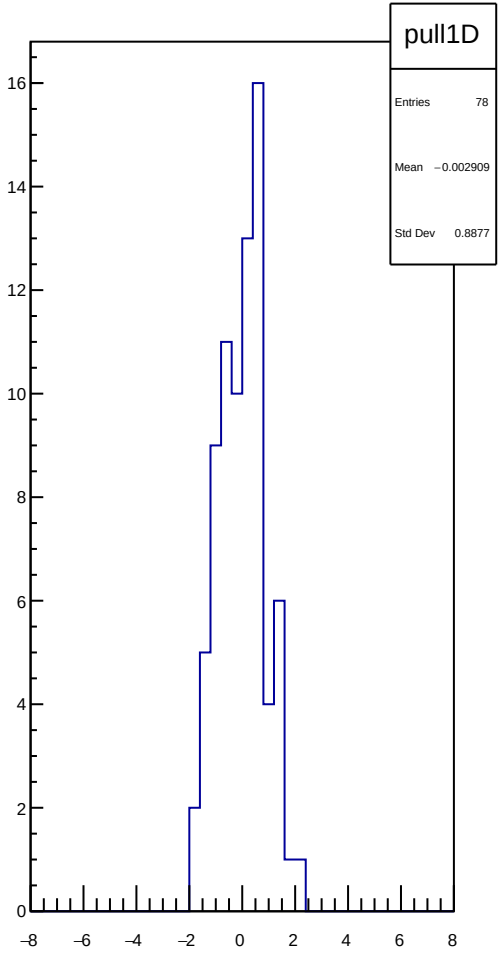

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 4.388e+04 / 77
p0 152 ± 0.1273
260
240
220
200
180
160
140
120

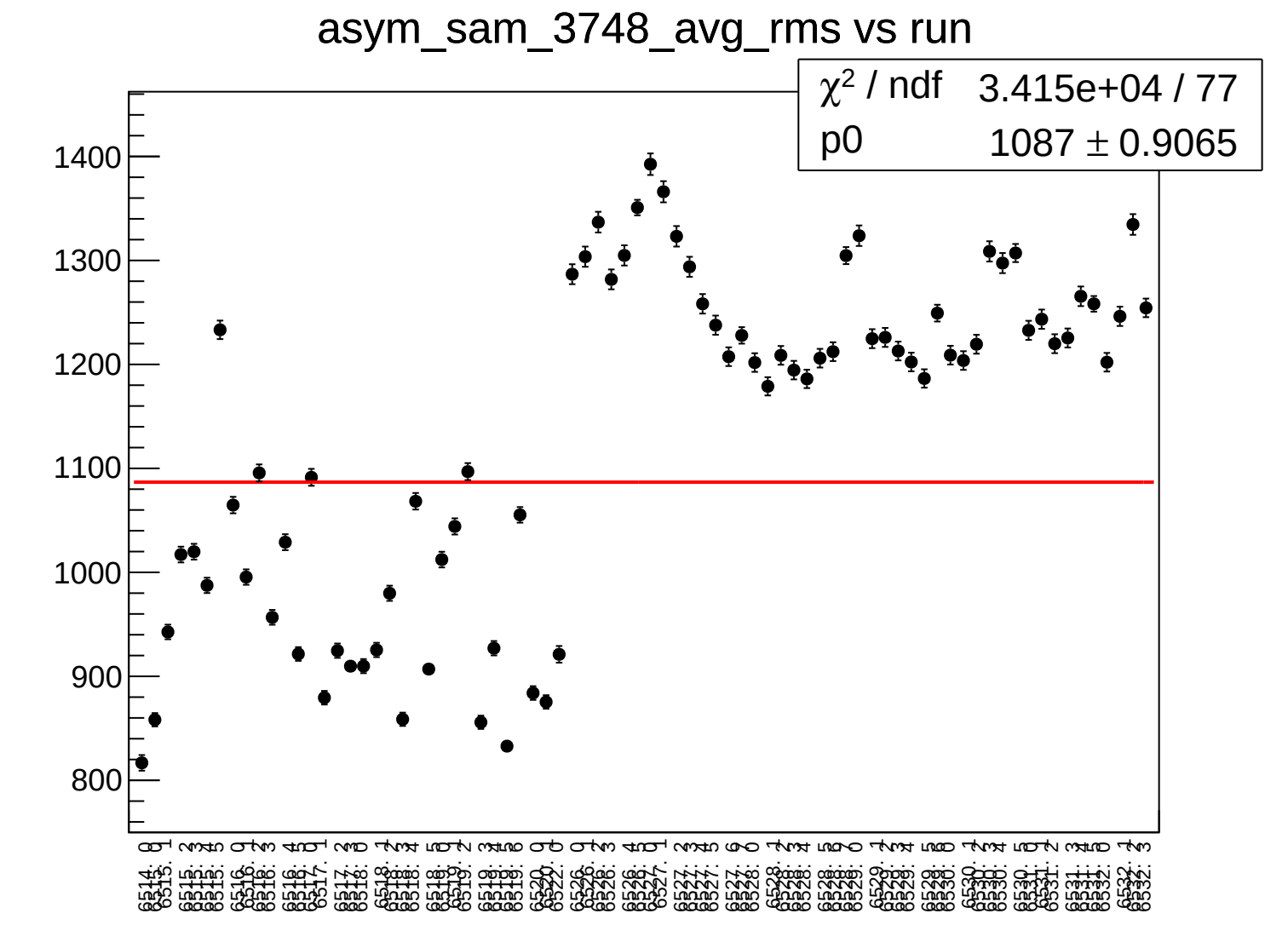

asym_sam_3748_avg_correction_mean vs run
χ² / ndf 64.21 / 77
p0 −130.1± 1324
pull
Entries 78
Mean −1115
Std Dev 1157

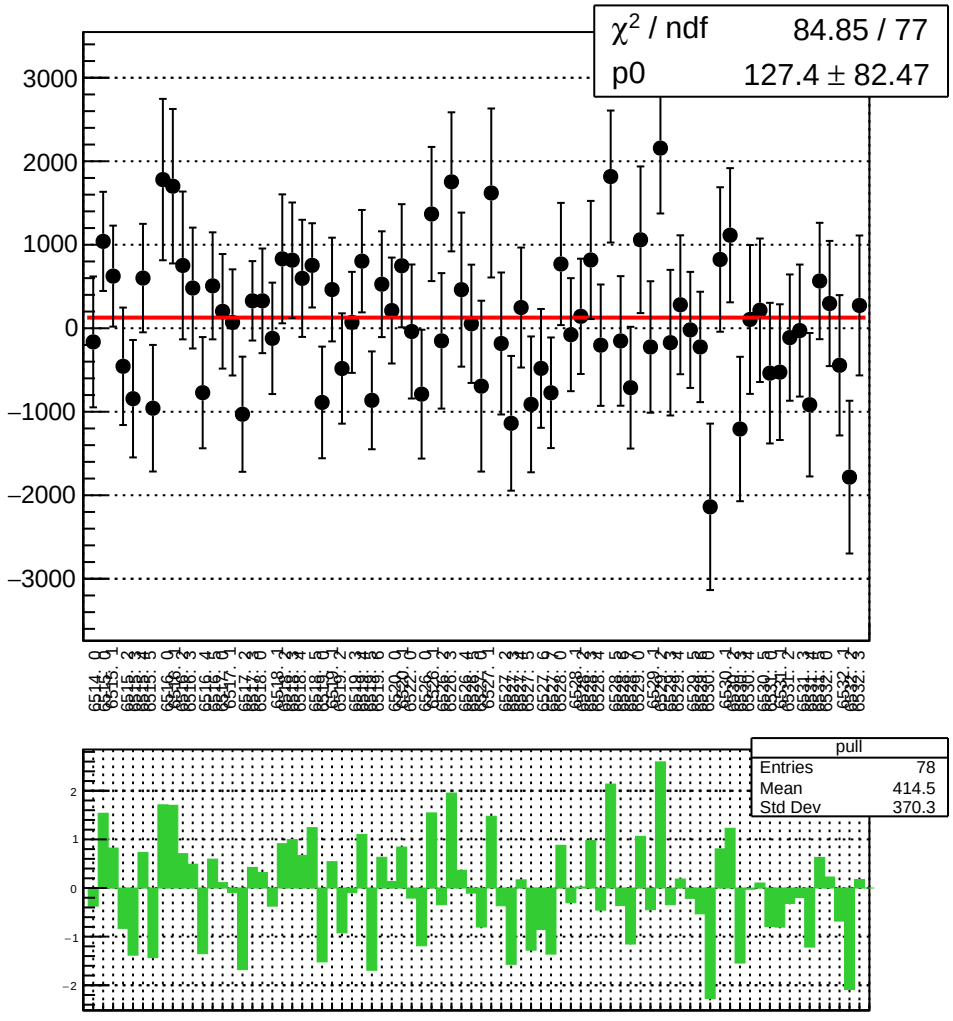

pull1D
Entries 78
Mean −0.002234
Std Dev 0.9073

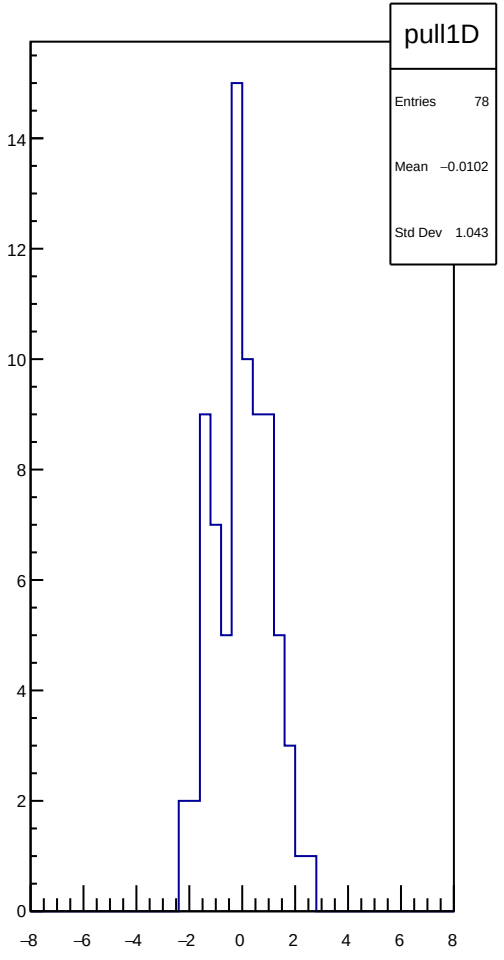

asym_sam_3748_avg_correction_rms vs run
χ² / ndf 2.227e+04 / 77
p0 1127 ± 0.9361
1400
1300
1200
1100
1000
900

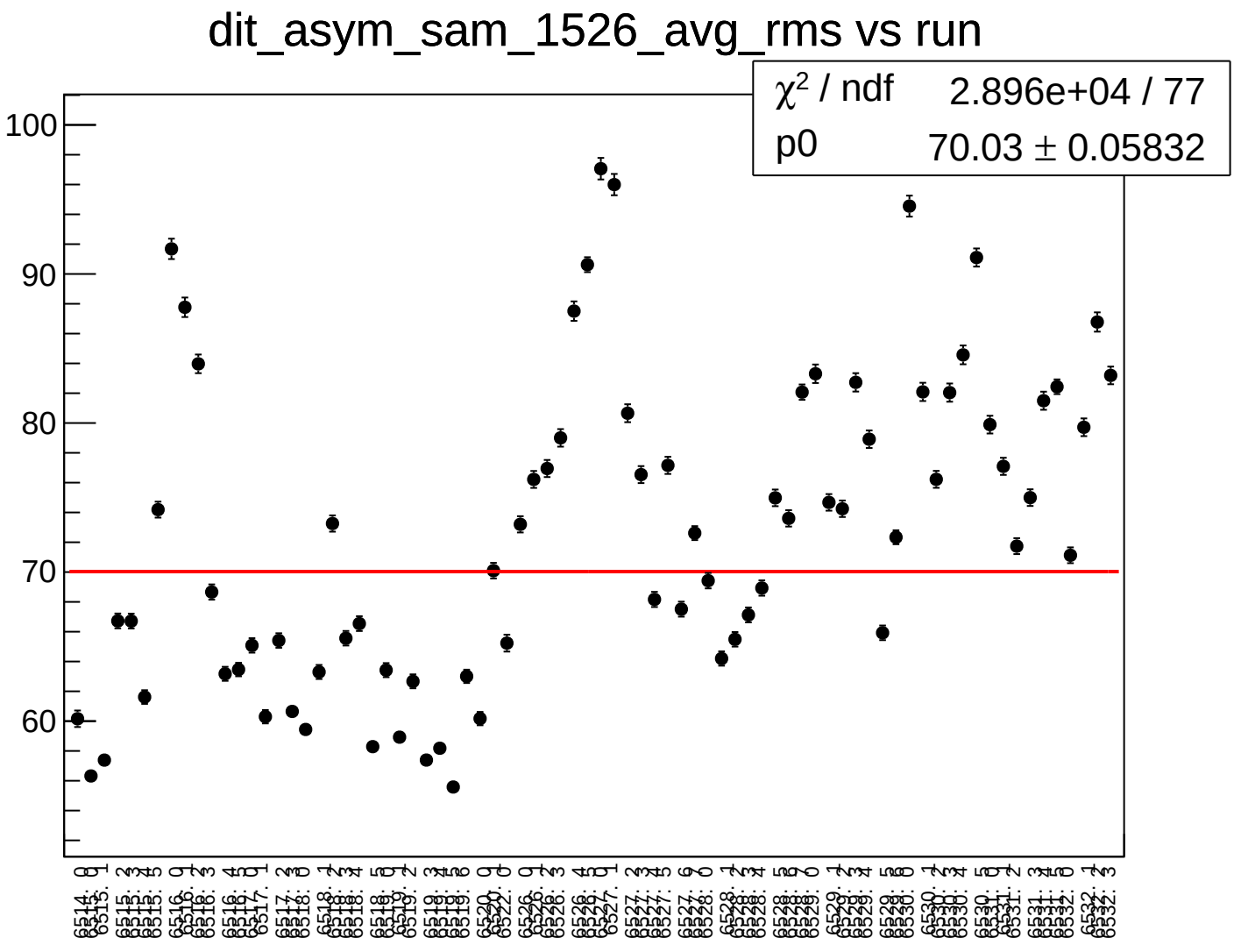

asym_sam_3748_avg_mean vs run
χ² / ndf 61.46 / 77
p0 502 ± 1282
pull
Entries 78
Mean 1278
Std Dev 1235

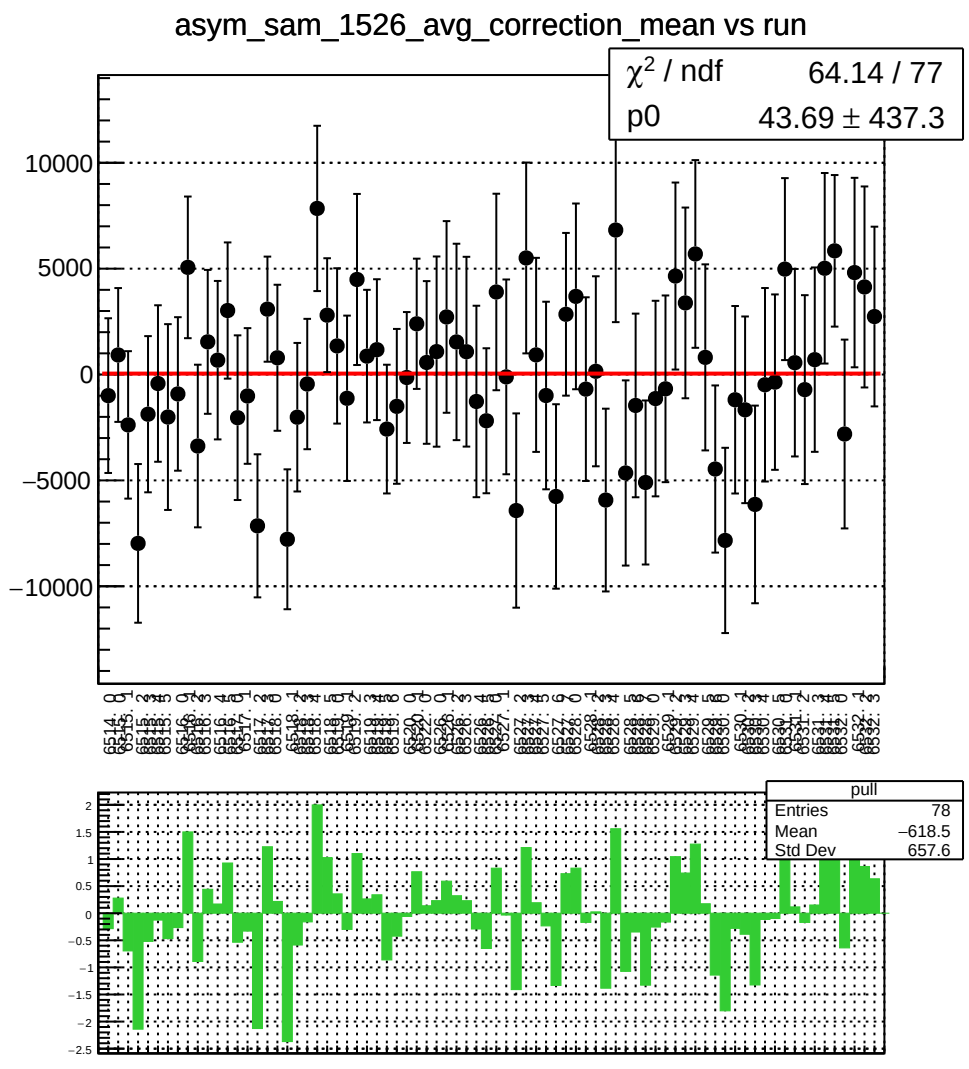

pull1D
Entries 78
Mean −0.002909
Std Dev 0.8877

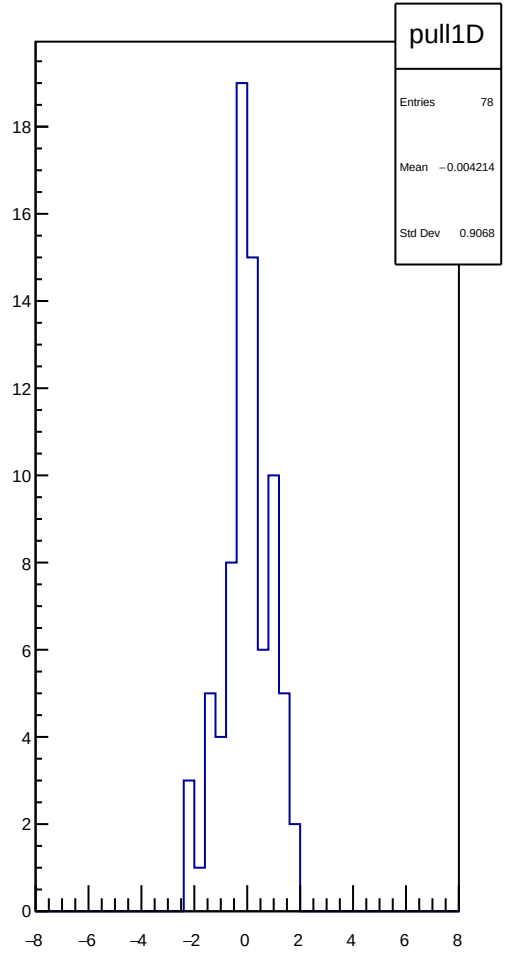

asym_sam_3748_avg_rms vs run
χ² / ndf 3.415e+04 / 77
p0 1087 ± 0.9065
1400
1300
1200
1100
1000
900
800

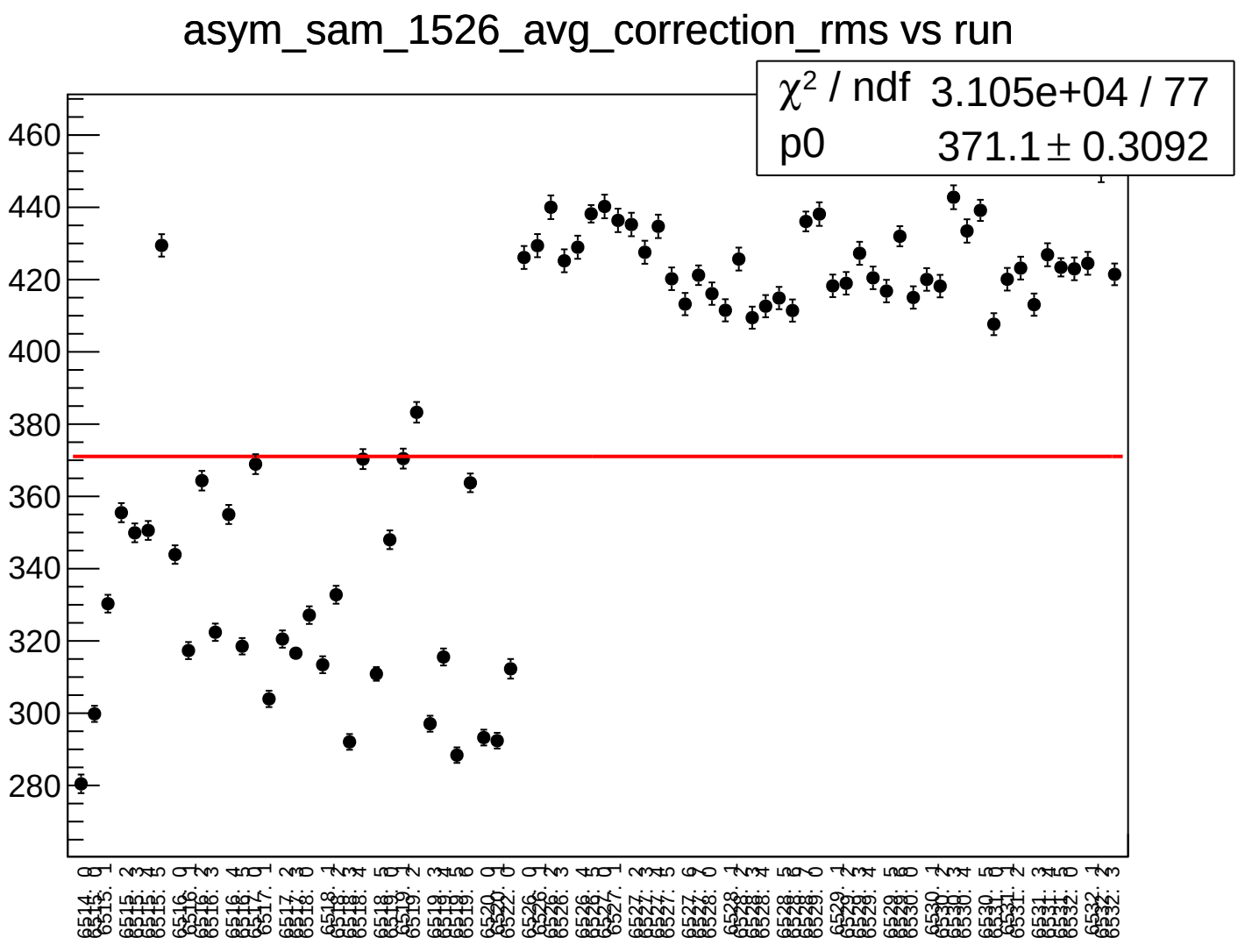

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 84.85 / 77
p0 127.4 ± 82.47
pull
Entries 78
Mean 414.5
Std Dev 370.3

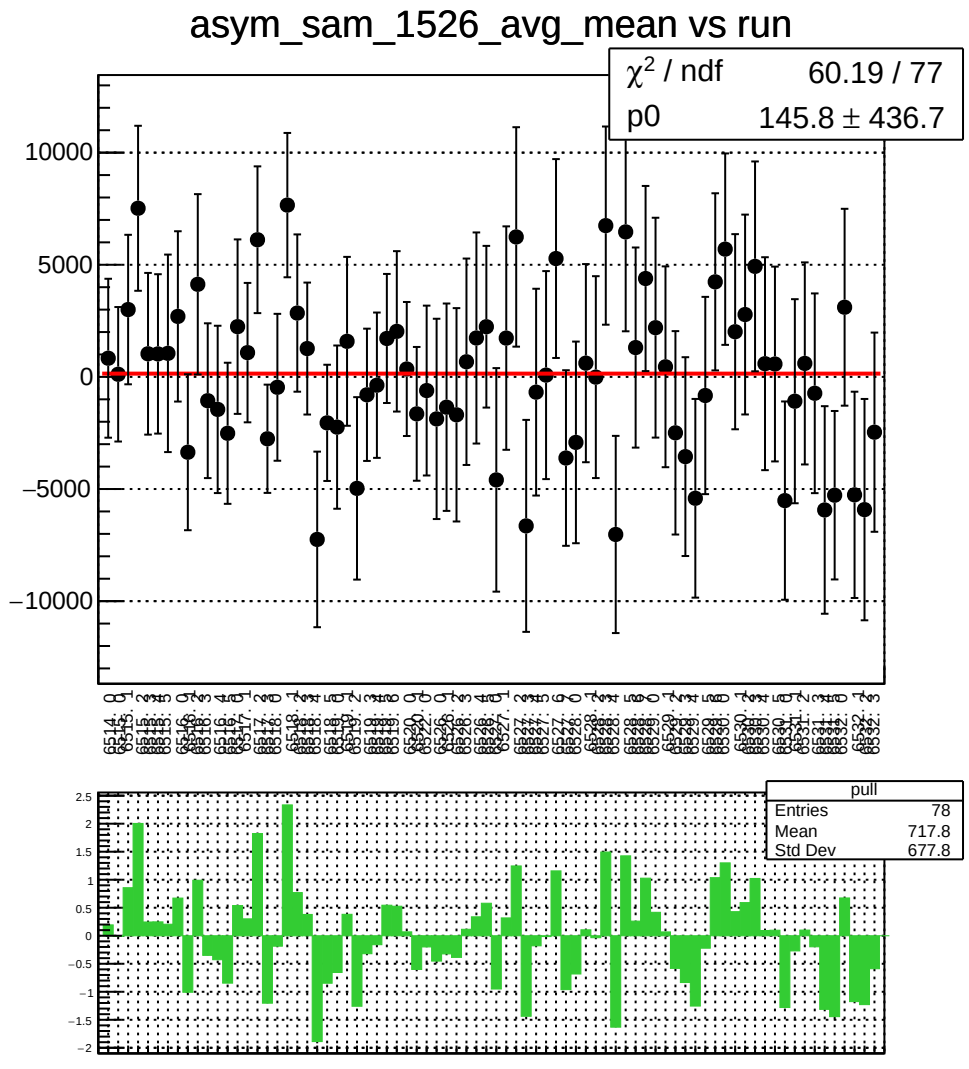

pull1D
Entries 78
Mean −0.0102
Std Dev 1.043

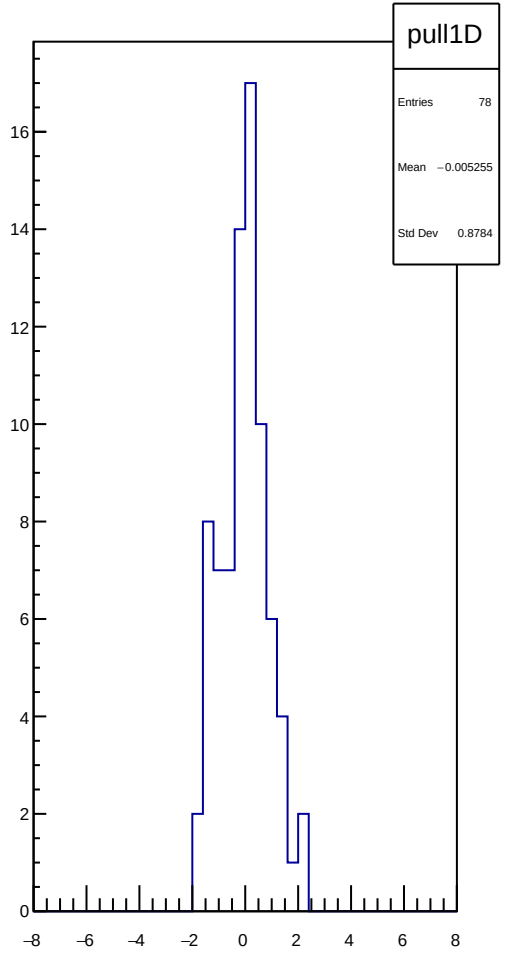

dit_asym_sam_1526_avg_rms vs run
χ^2 / ndf 2.896e+04 / 77
p0 70.03 ± 0.05832
100
90
80
70
60

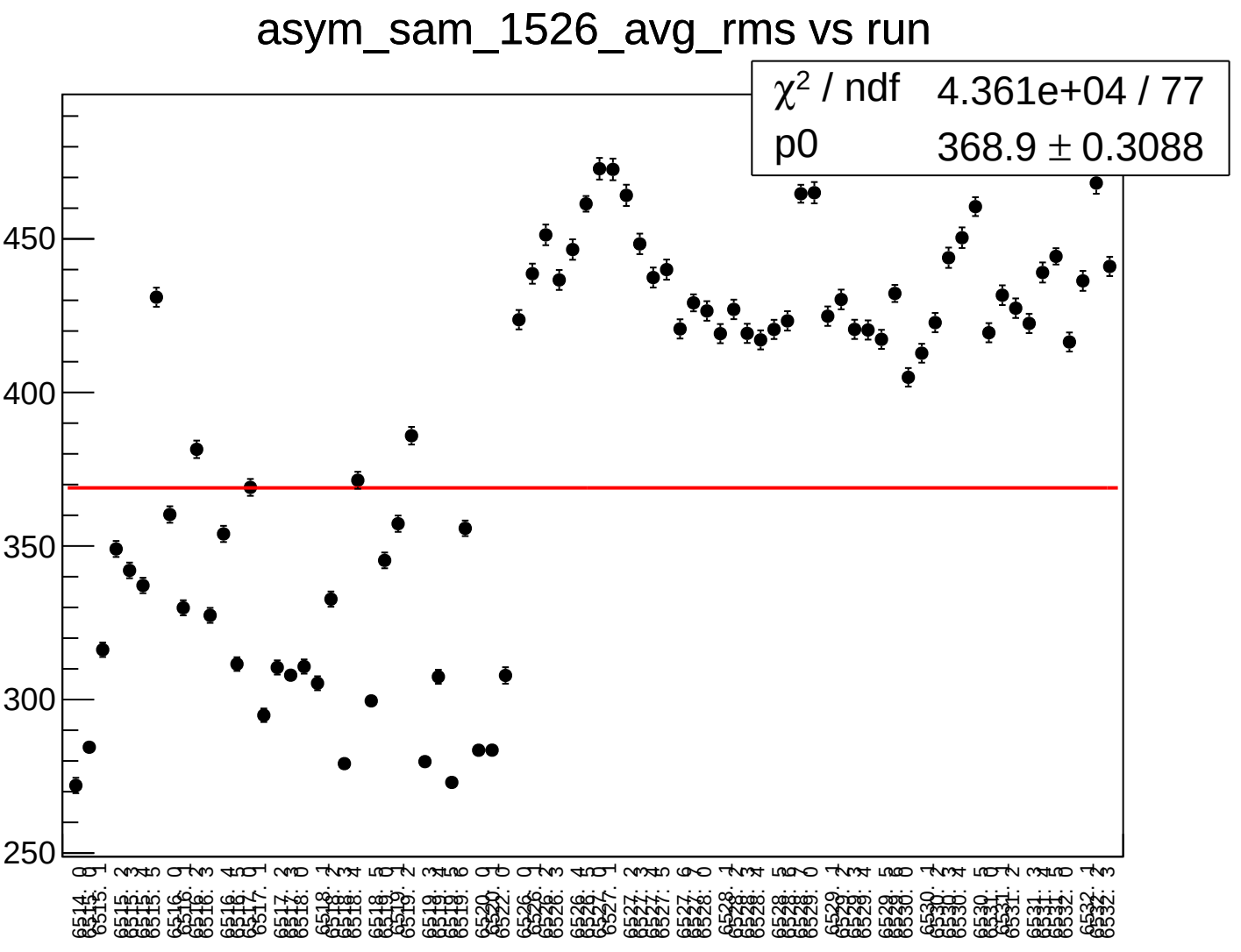

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 64.14 / 77
p0 43.69 ± 437.3
10000
5000
0
−5000
−10000
pull
Entries 78
Mean −618.5
Std Dev 657.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

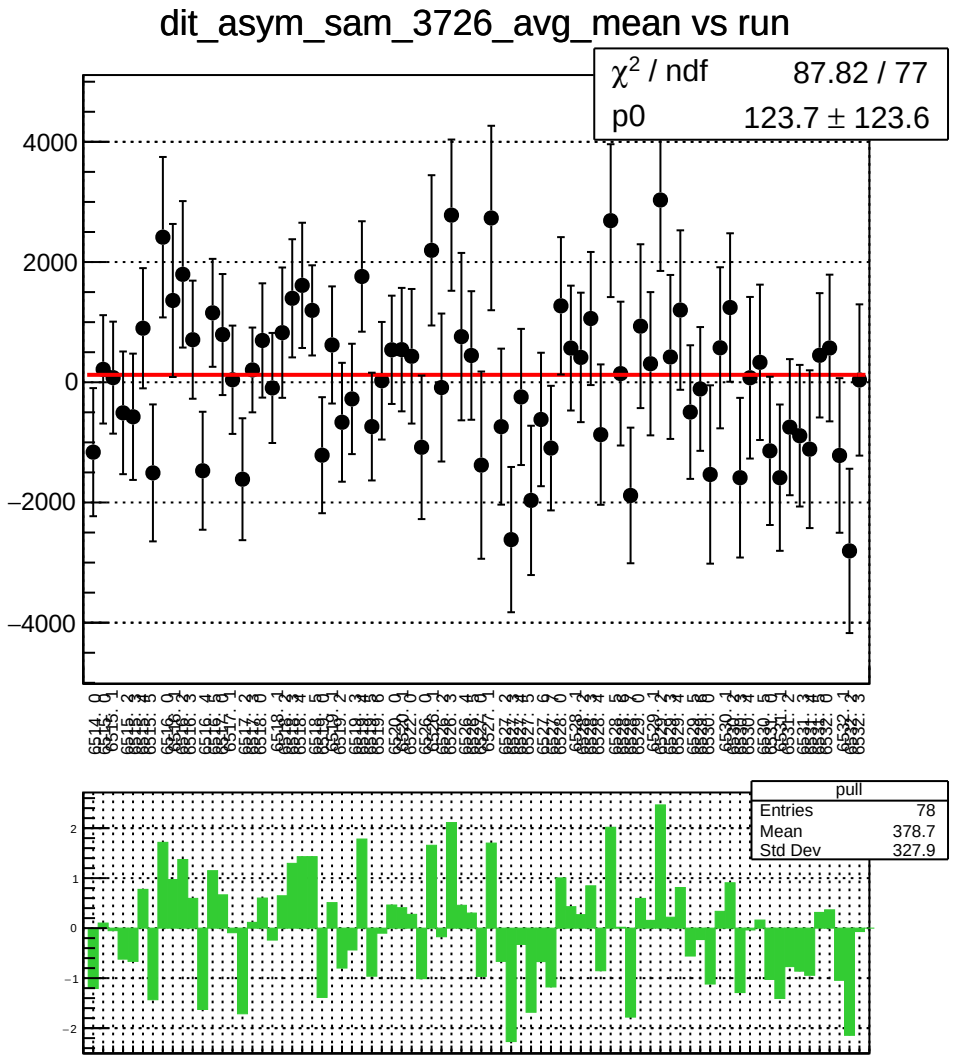

pull1D
Entries 78
Mean −0.004214
Std Dev 0.9068
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

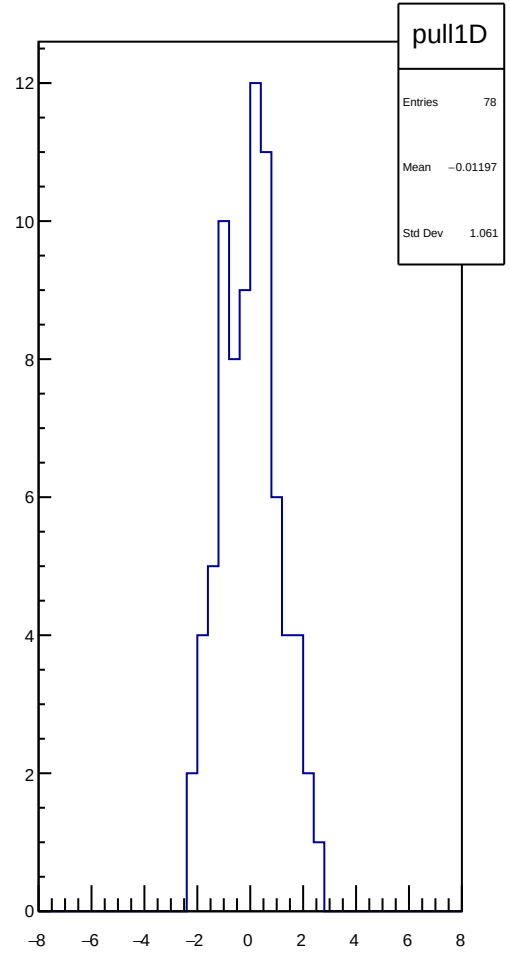

asym_sam_1526_avg_correction_rms vs run
χ² / ndf 3.105e+04 / 77
p0 371.1 ± 0.3092
460
440
420
400
380
360
340
320
300
280

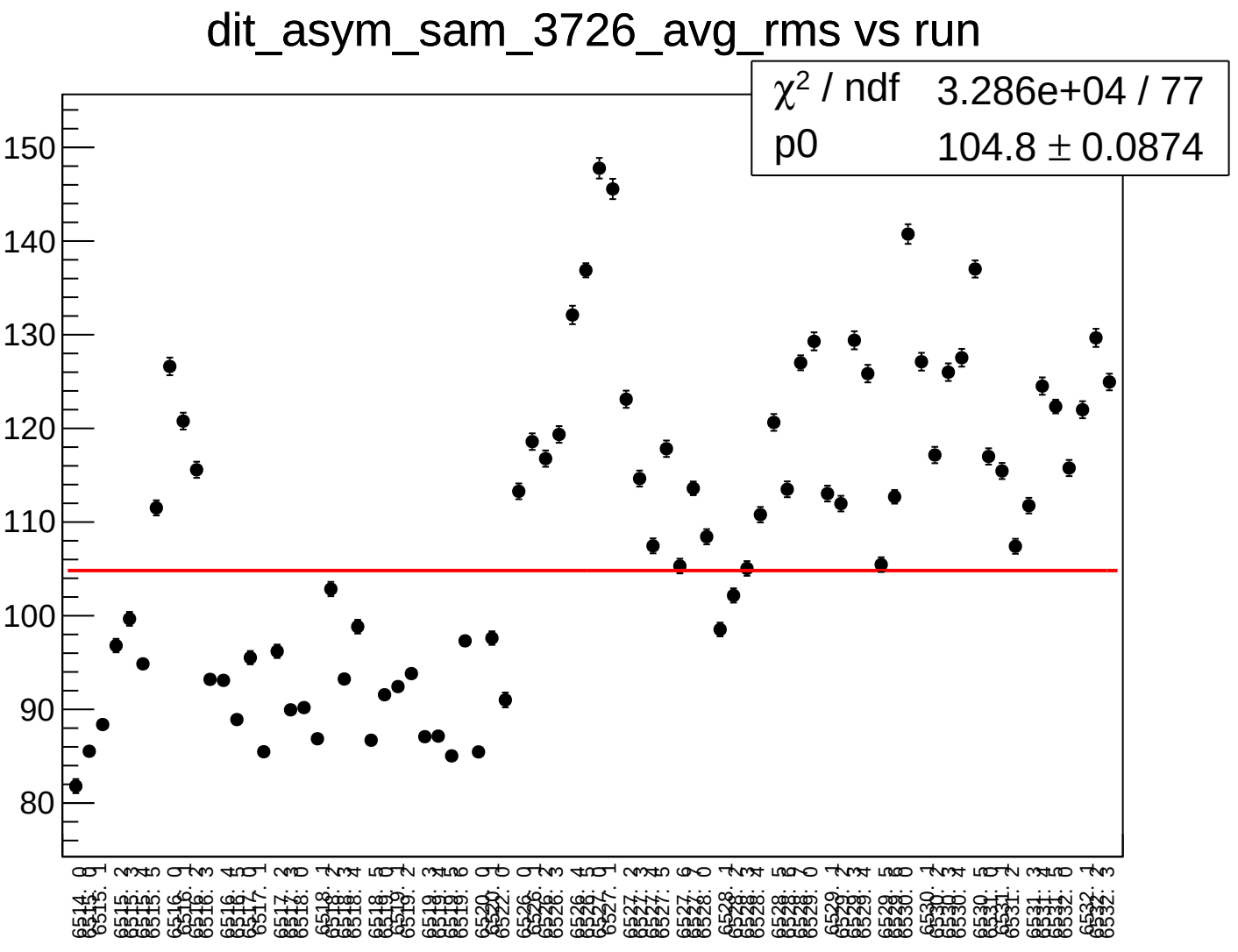

asym_sam_1526_avg_mean vs run
χ² / ndf 60.19 / 77
p0 145.8 ± 436.7
10000
5000
0
−5000
−10000
pull
Entries 78
Mean 717.8
Std Dev 677.8
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

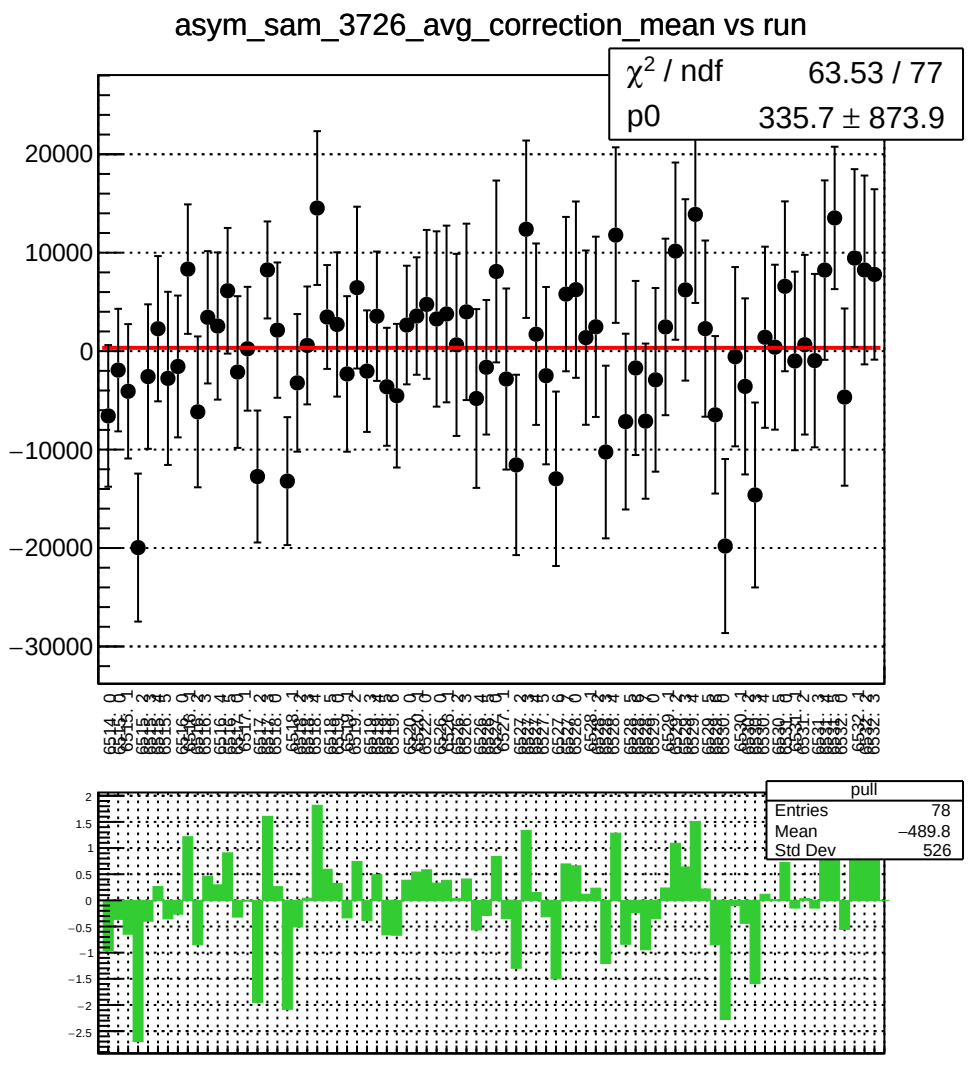

pull1D
Entries 78
Mean −0.005255
Std Dev 0.8784
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

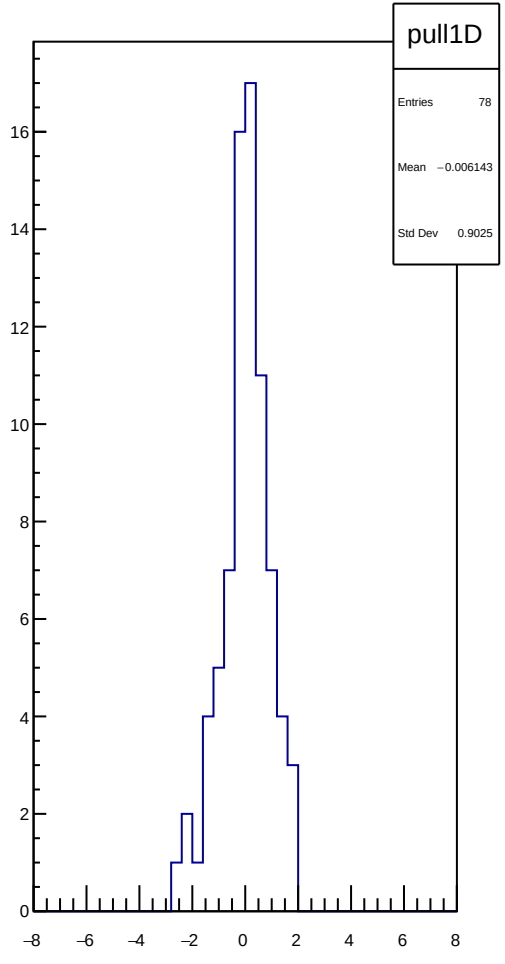

asym_sam_1526_avg_rms vs run
χ² / ndf 4.361e+04 / 77
p0 368.9 ± 0.3088
450
400
350
300
250

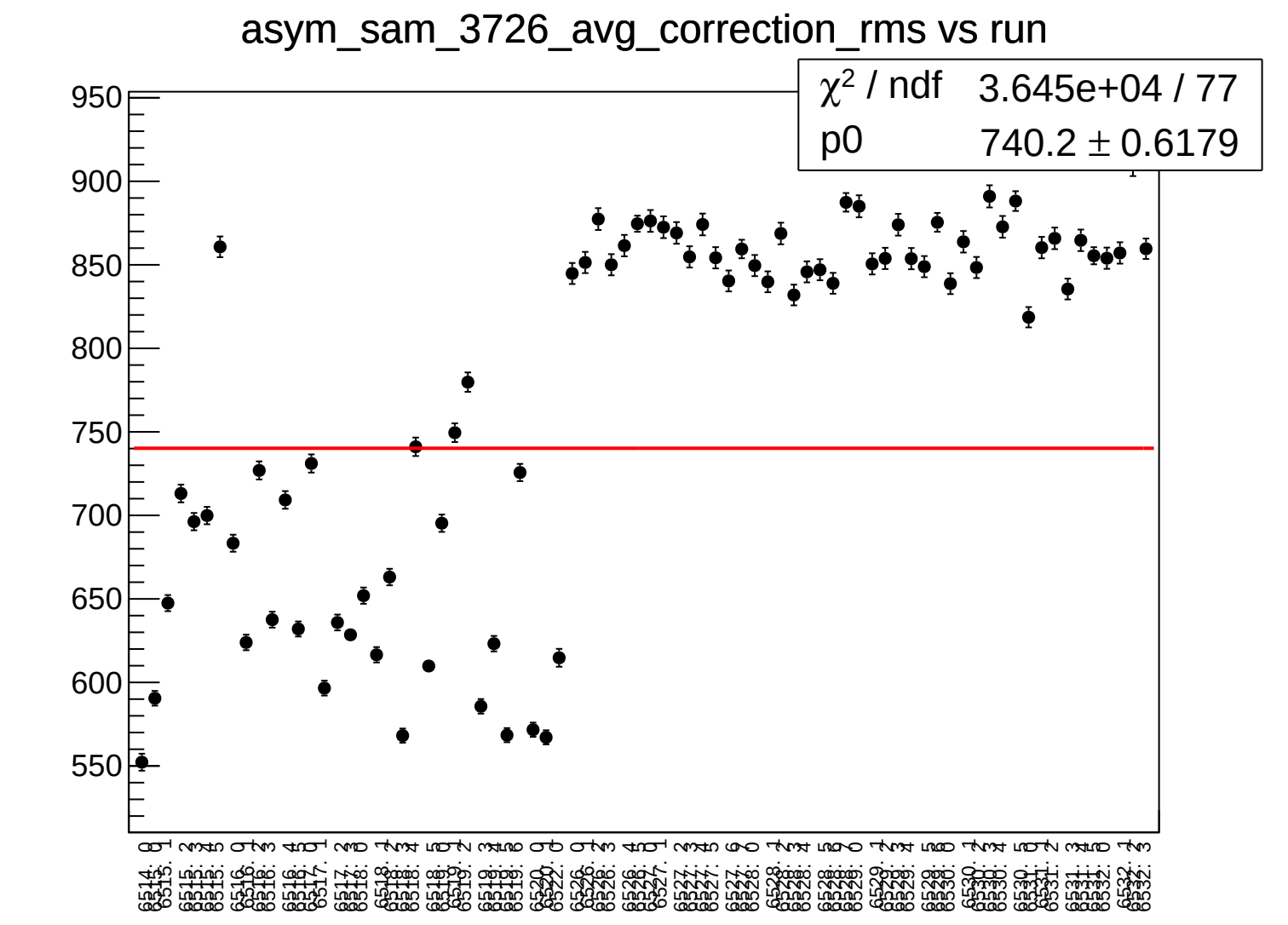

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 87.82 / 77
p0 123.7 ± 123.6
4000
2000
0
−2000
−4000
pull
Entries 78
Mean 378.7
Std Dev 327.9
2
1
0
−1
−2

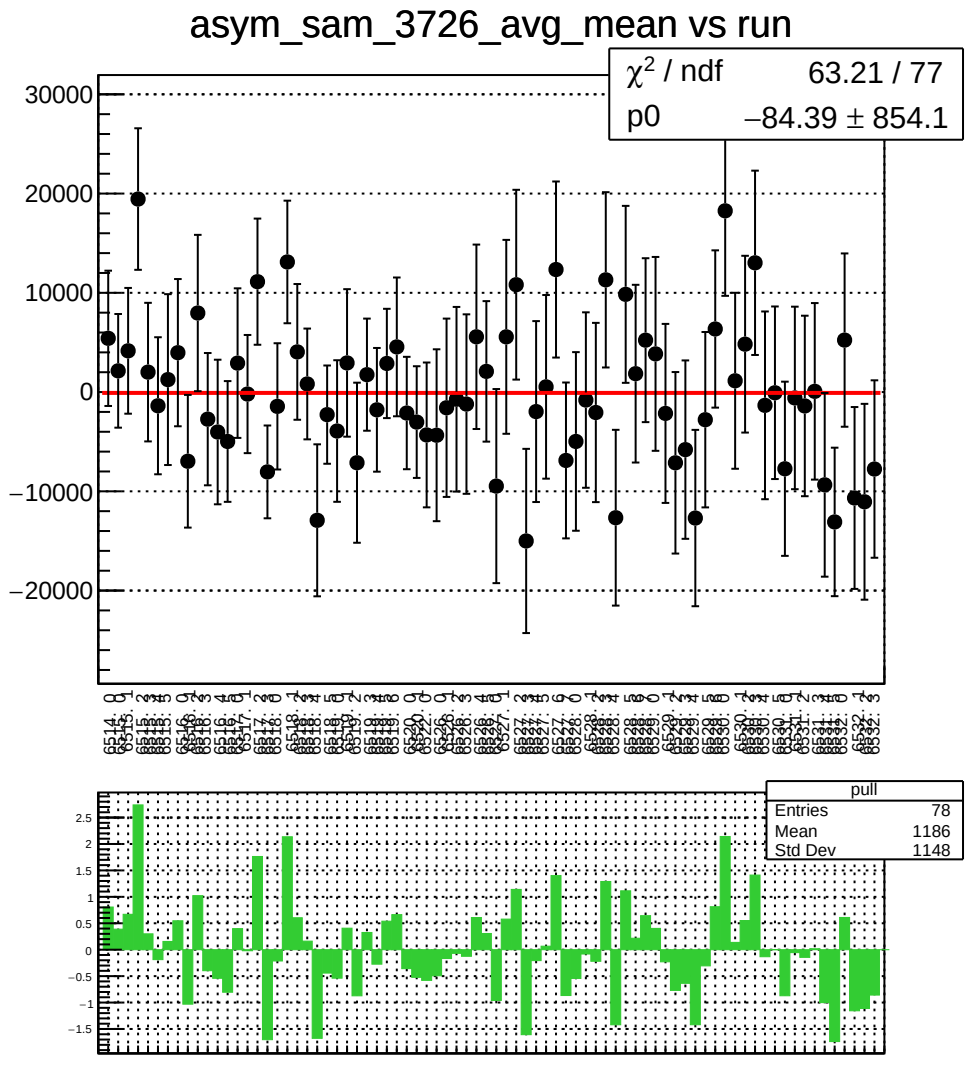

pull1D
Entries 78
Mean −0.01197
Std Dev 1.061
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

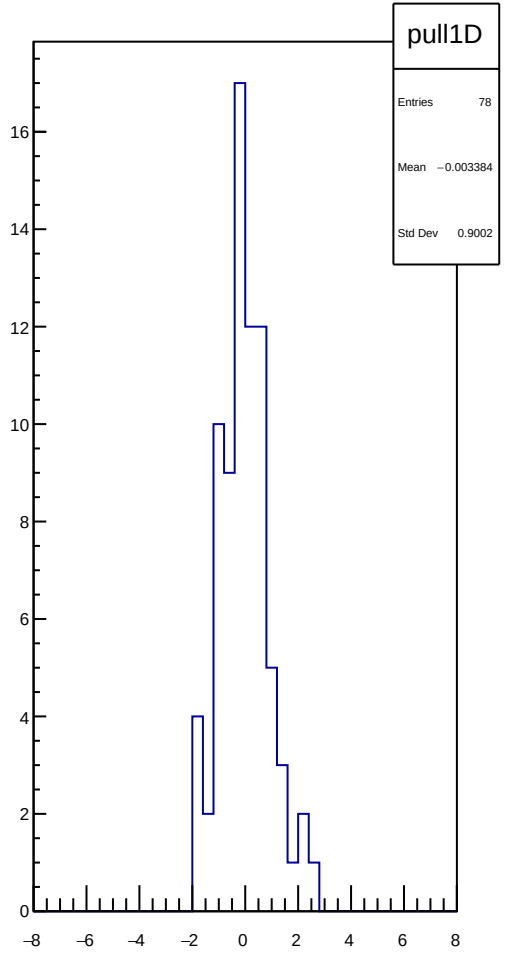

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 3.286e+04 / 77
p0 104.8 ± 0.0874
150
140
130
120
110
100
90
80

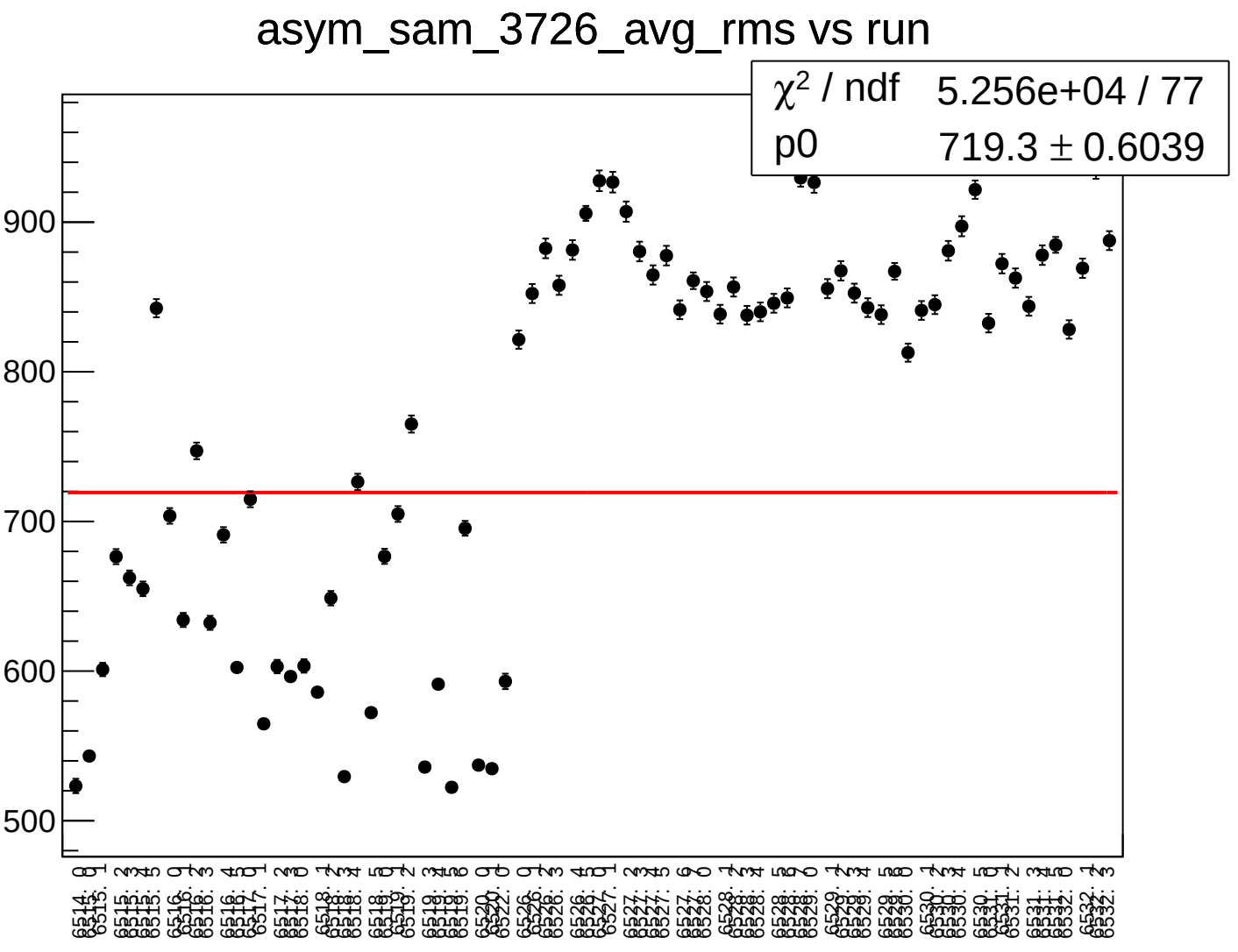

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 63.53 / 77
p0 335.7 ± 873.9
20000
10000
0
−10000
−20000
−30000
pull
Entries 78
Mean −489.8
Std Dev 526
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

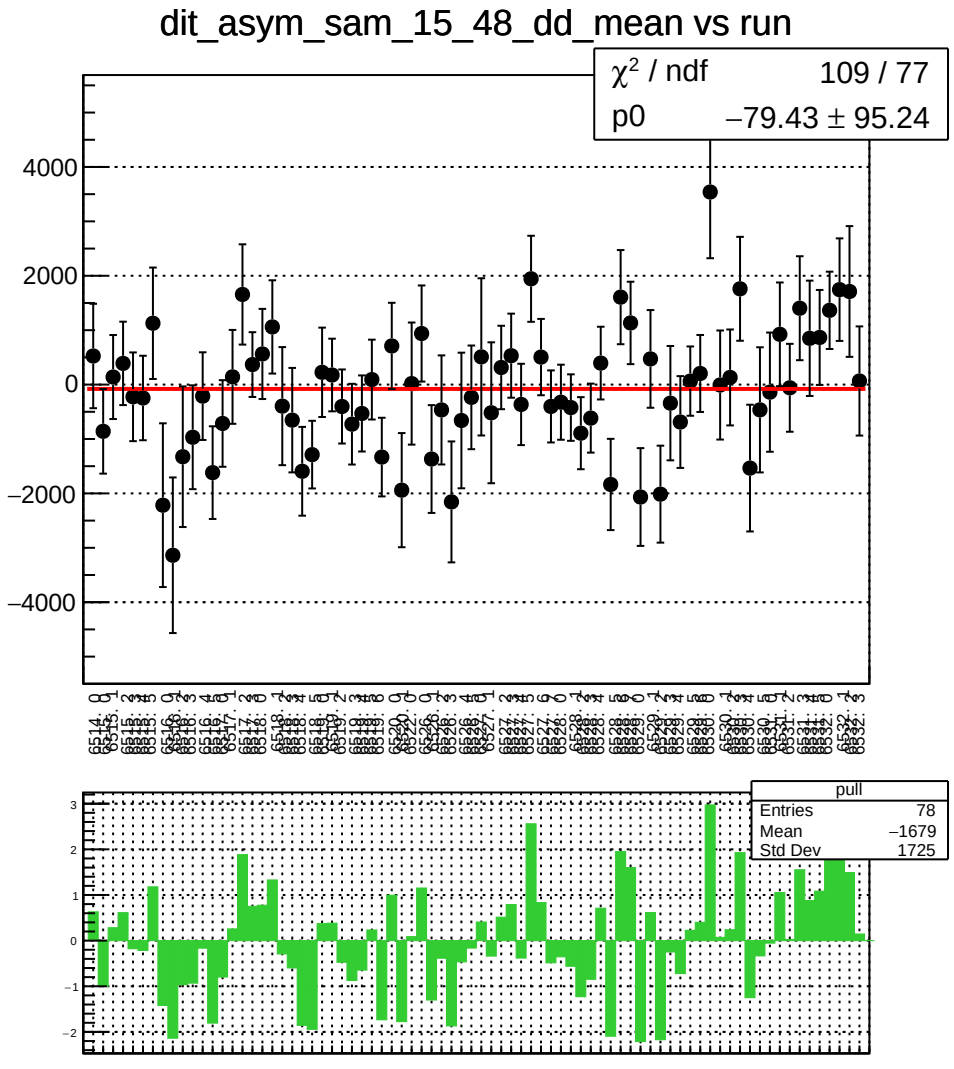

pull1D
Entries 78
Mean −0.006143
Std Dev 0.9025
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

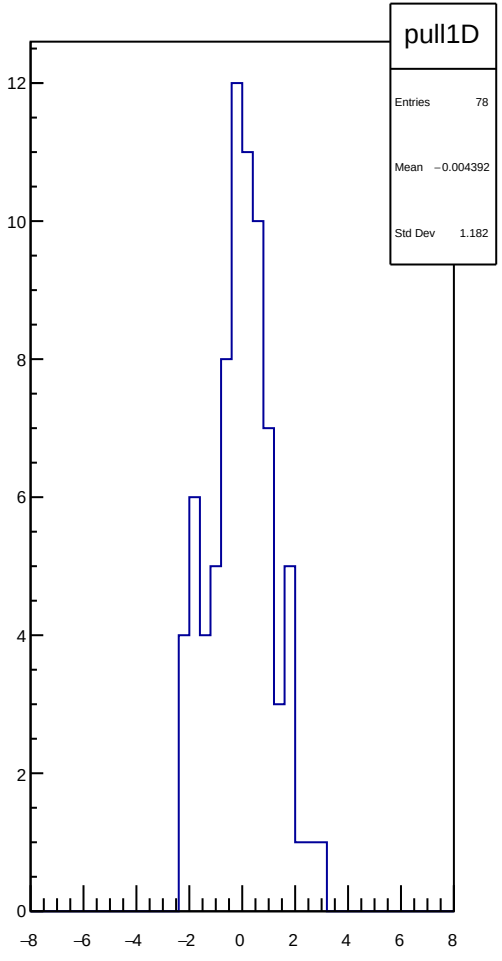

asym_sam_3726_avg_correction_rms vs run
χ² / ndf 3.645e+04 / 77
p0 740.2 ± 0.6179
950
900
850
800
750
700
650
600
550

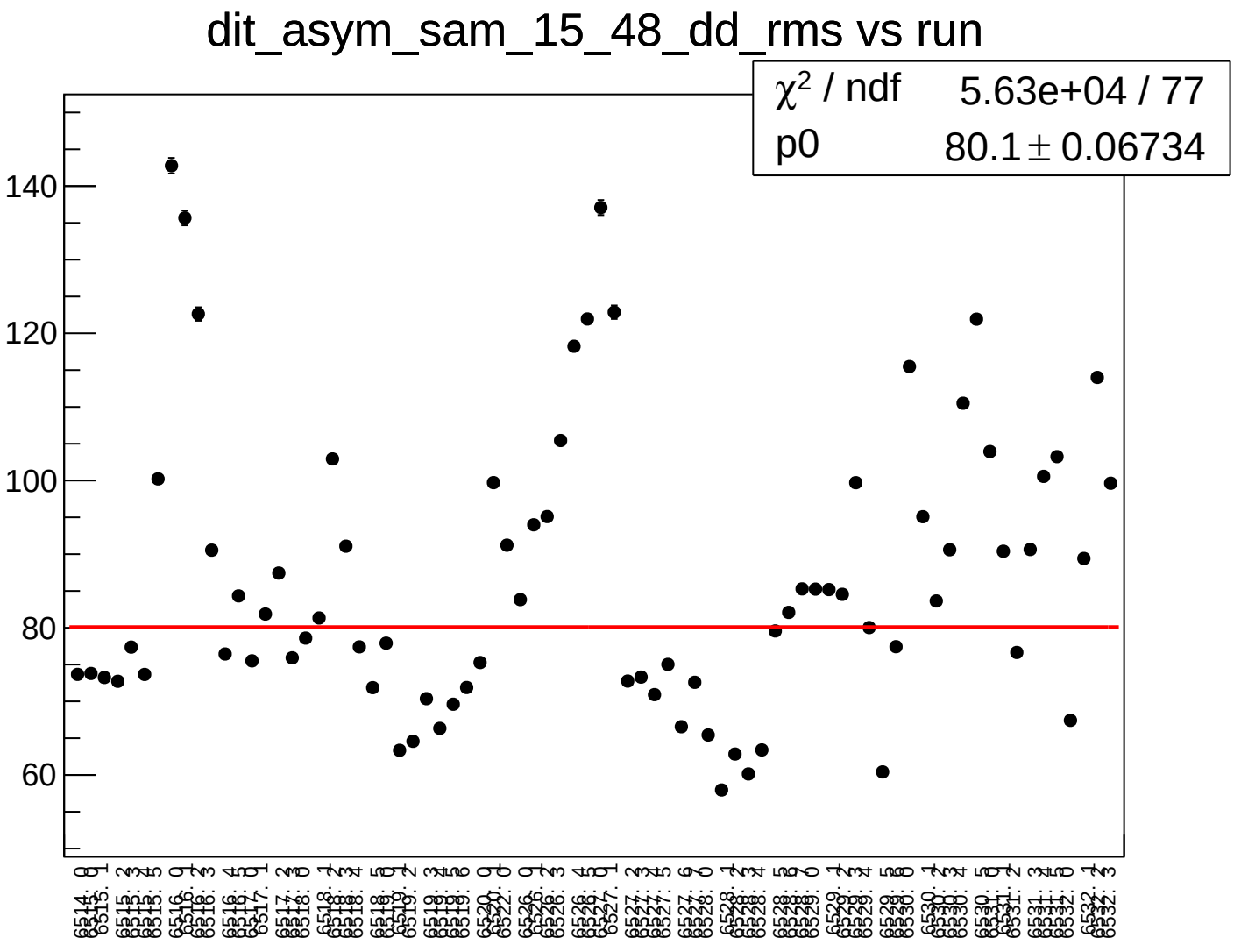

asym_sam_3726_avg_mean vs run
χ² / ndf 63.21 / 77
p0 −84.39 ± 854.1
30000
20000
10000
0
−10000
−20000
pull
Entries 78
Mean 1186
Std Dev 1148
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

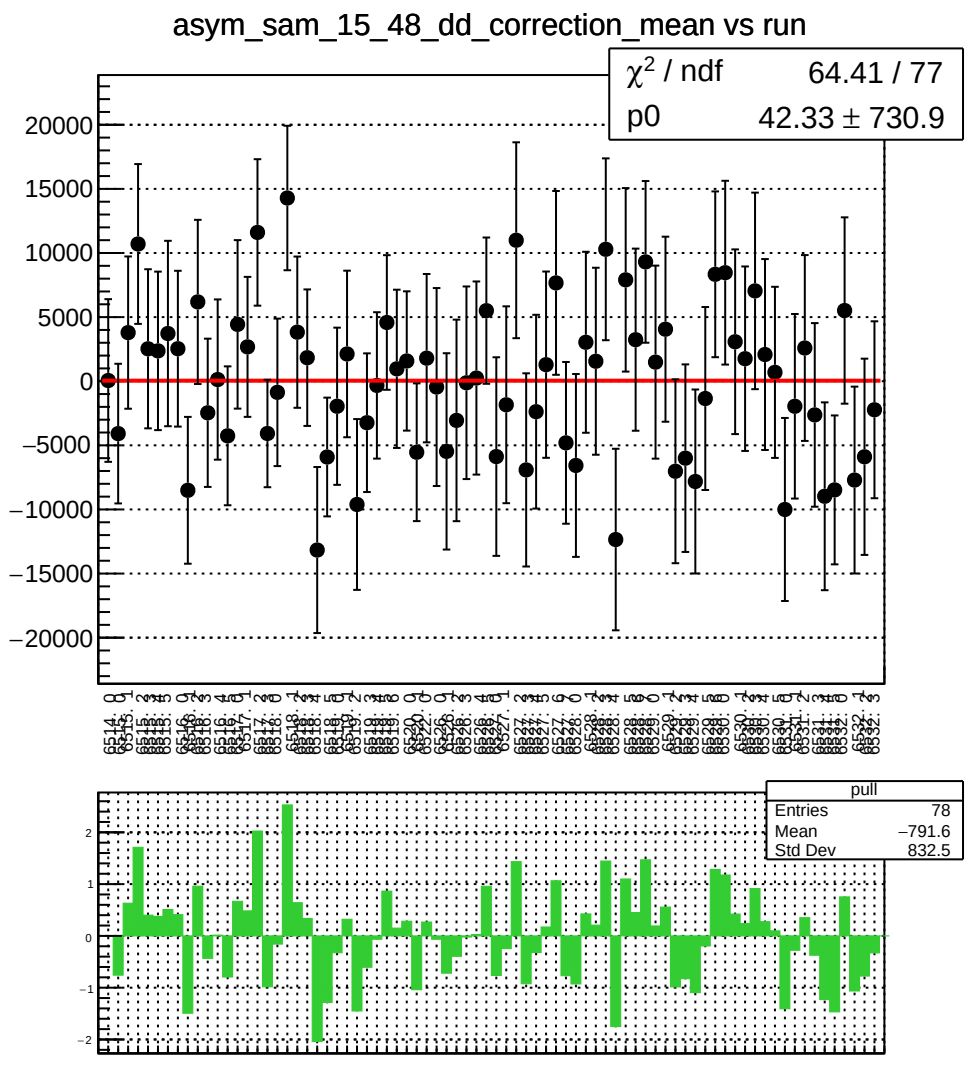

pull1D
Entries 78
Mean −0.003384
Std Dev 0.9002
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

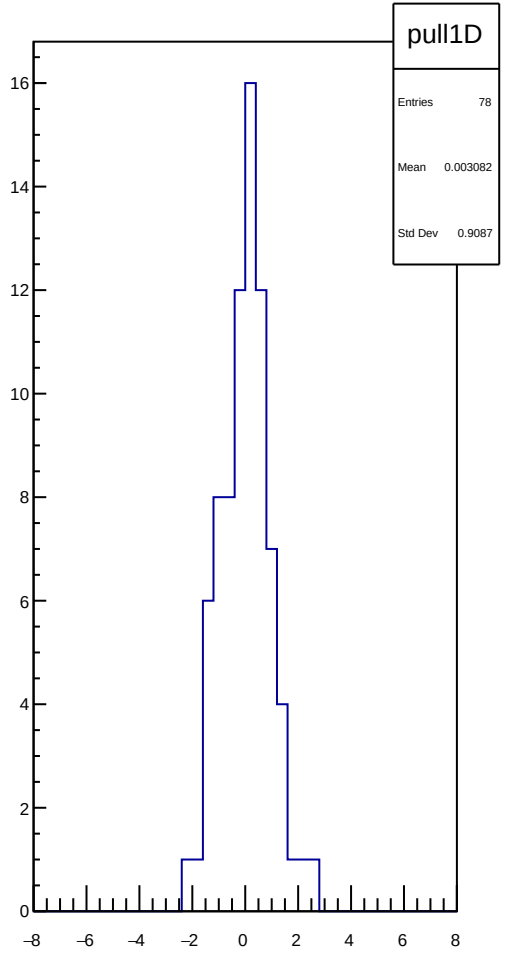

asym_sam_3726_avg_rms vs run
χ^2 / ndf 5.256e+04 / 77
p0 719.3 ± 0.6039
900
800
700
600
500

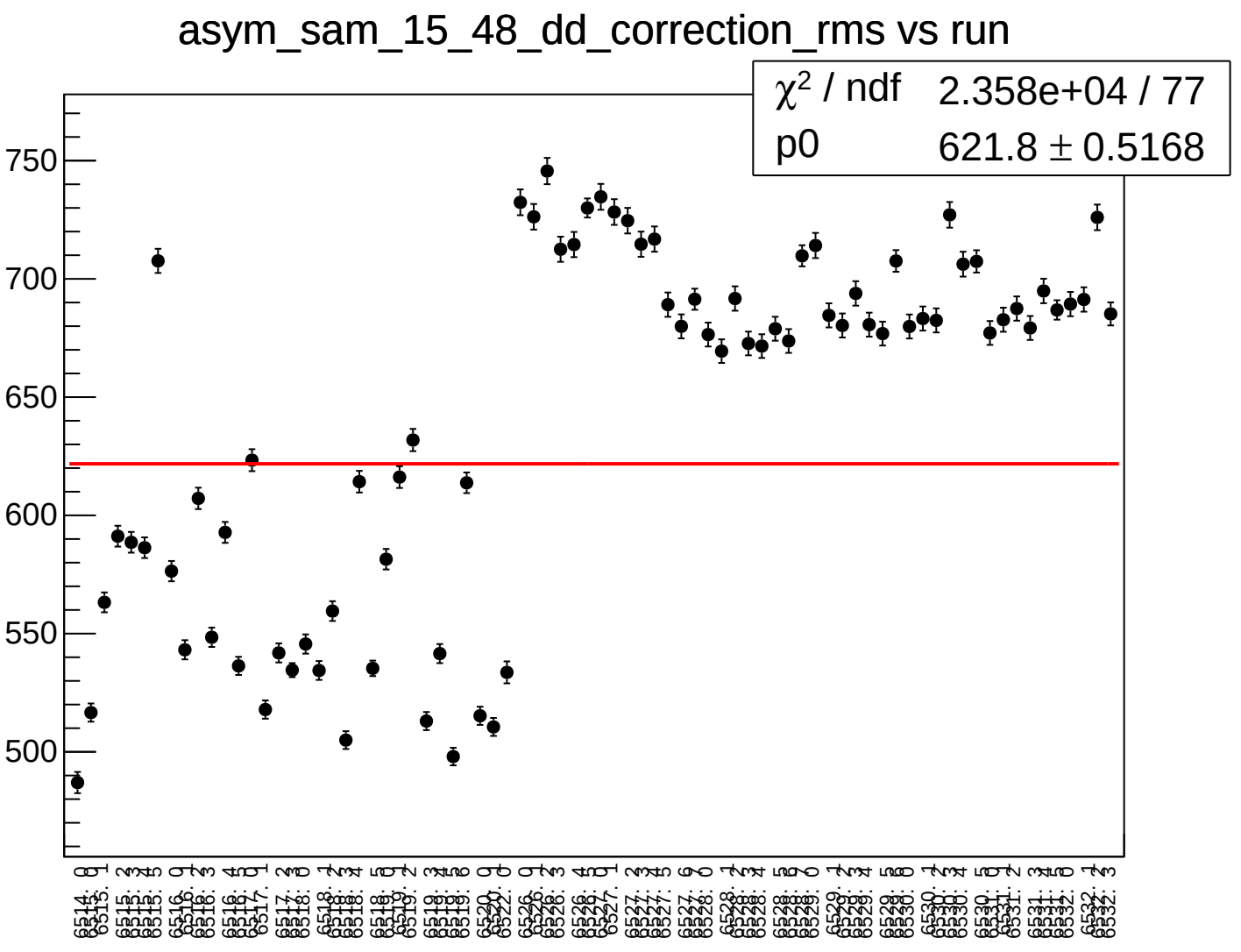

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 109 / 77
p0 −79.43 ± 95.24
4000
2000
0
−2000
−4000
pull
Entries 78
Mean −1679
Std Dev 1725
3
2
1
0
−1
−2

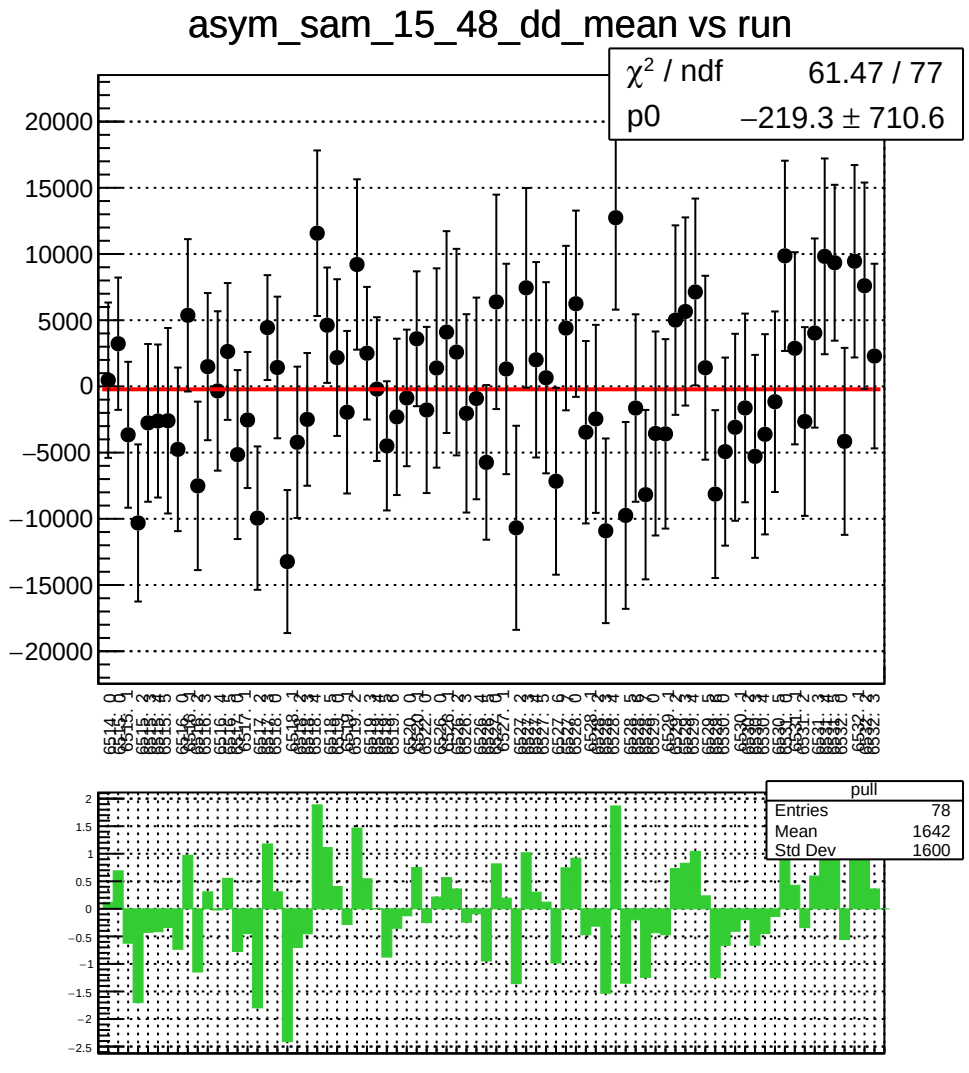

pull1D
Entries 78
Mean −0.004392
Std Dev 1.182
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

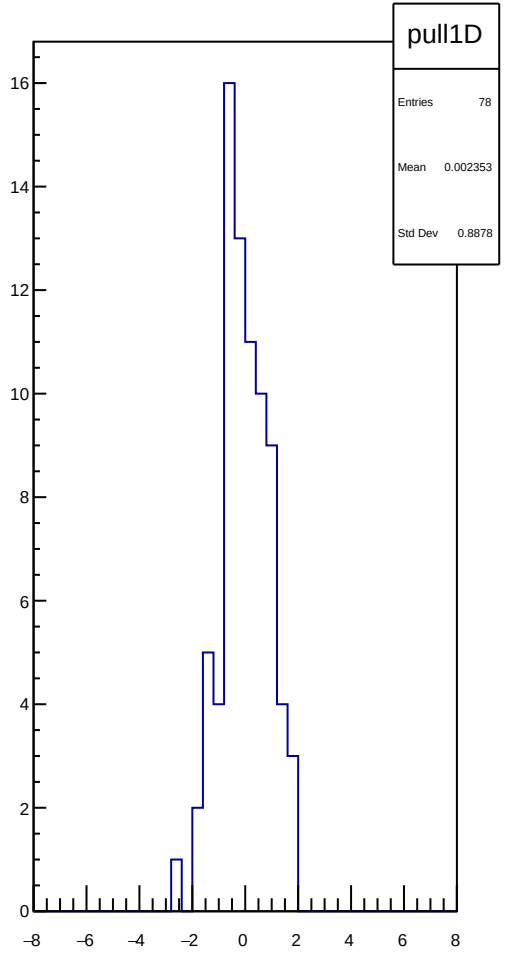

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 5.63e+04 / 77
p0 80.1 ± 0.06734
140
120
100
80
60

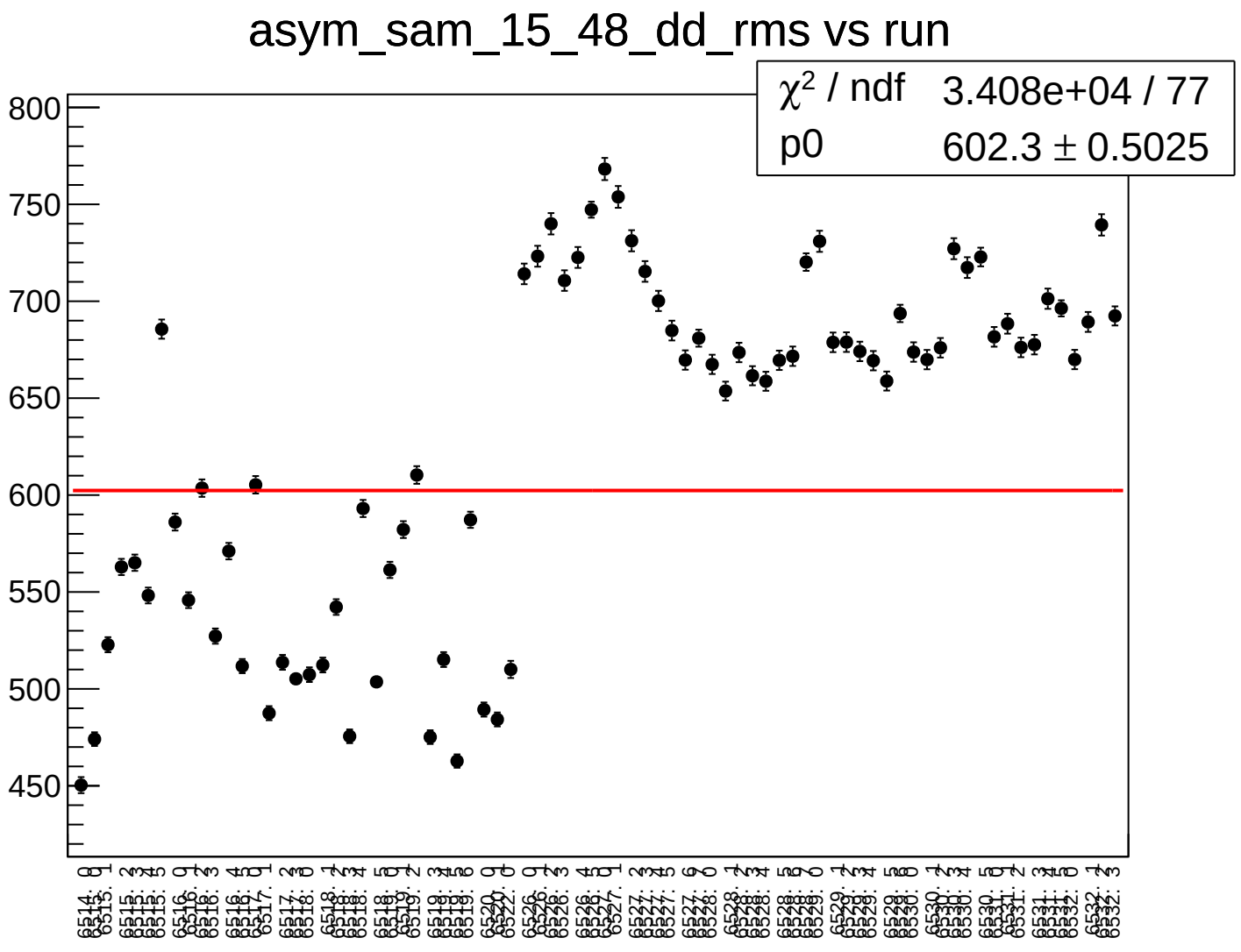

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 64.41 / 77
p0 42.33 ± 730.9
pull
Entries 78
Mean −791.6
Std Dev 832.5

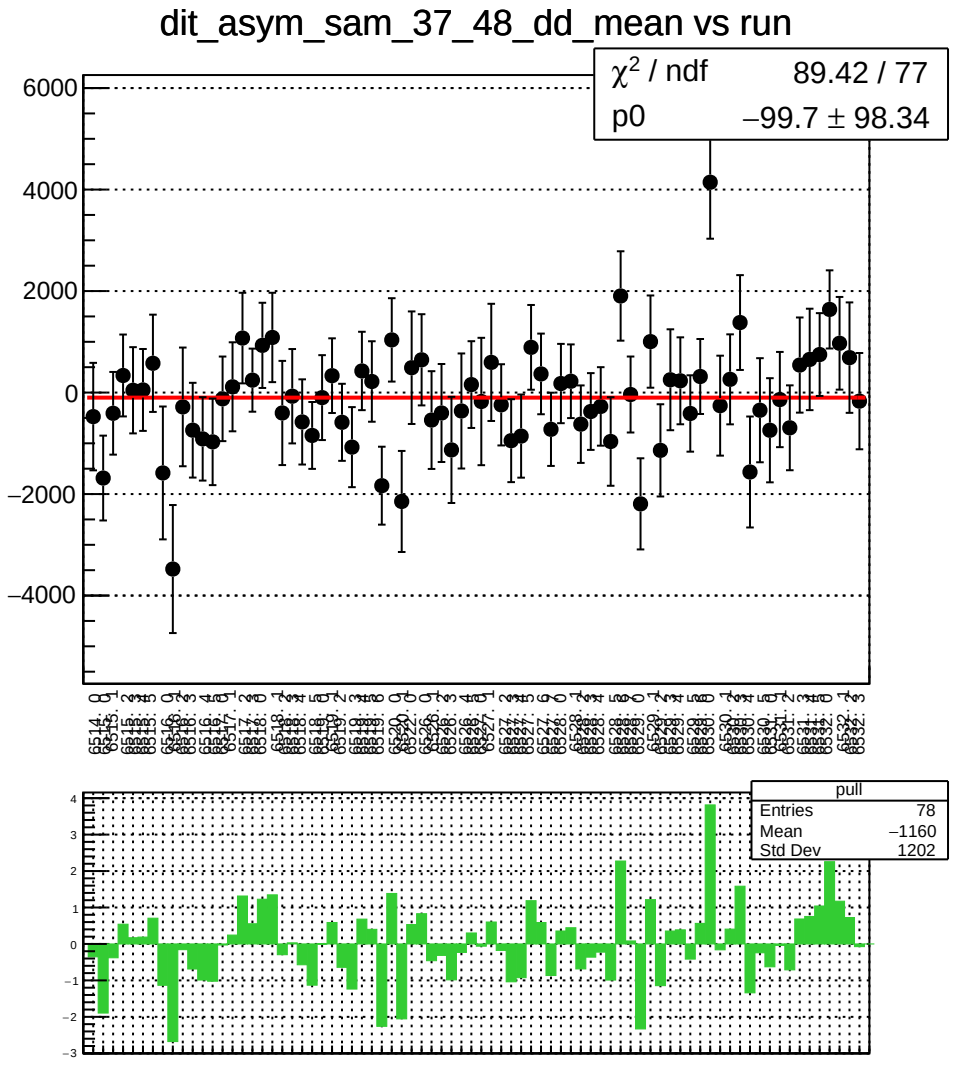

pull1D
Entries 78
Mean 0.003082
Std Dev 0.9087

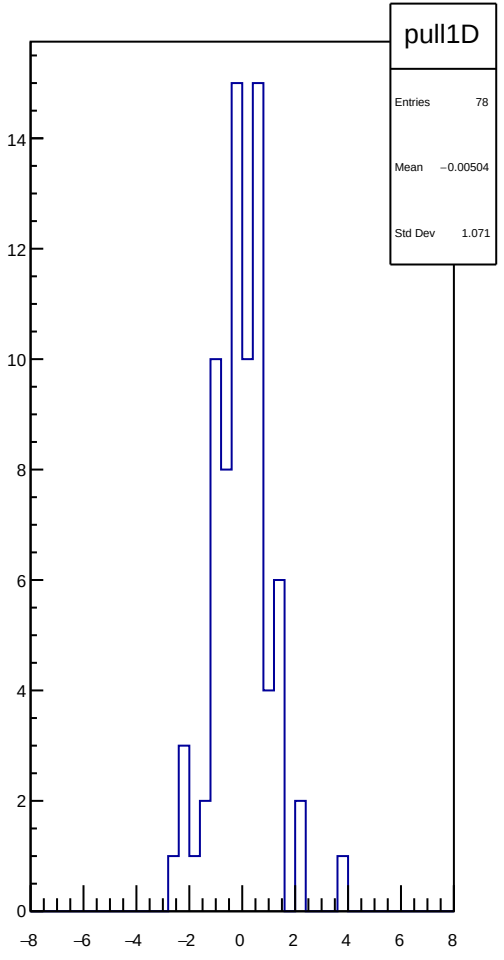

asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 2.358e+04 / 77
p0 621.8 ± 0.5168
750
700
650
600
550
500

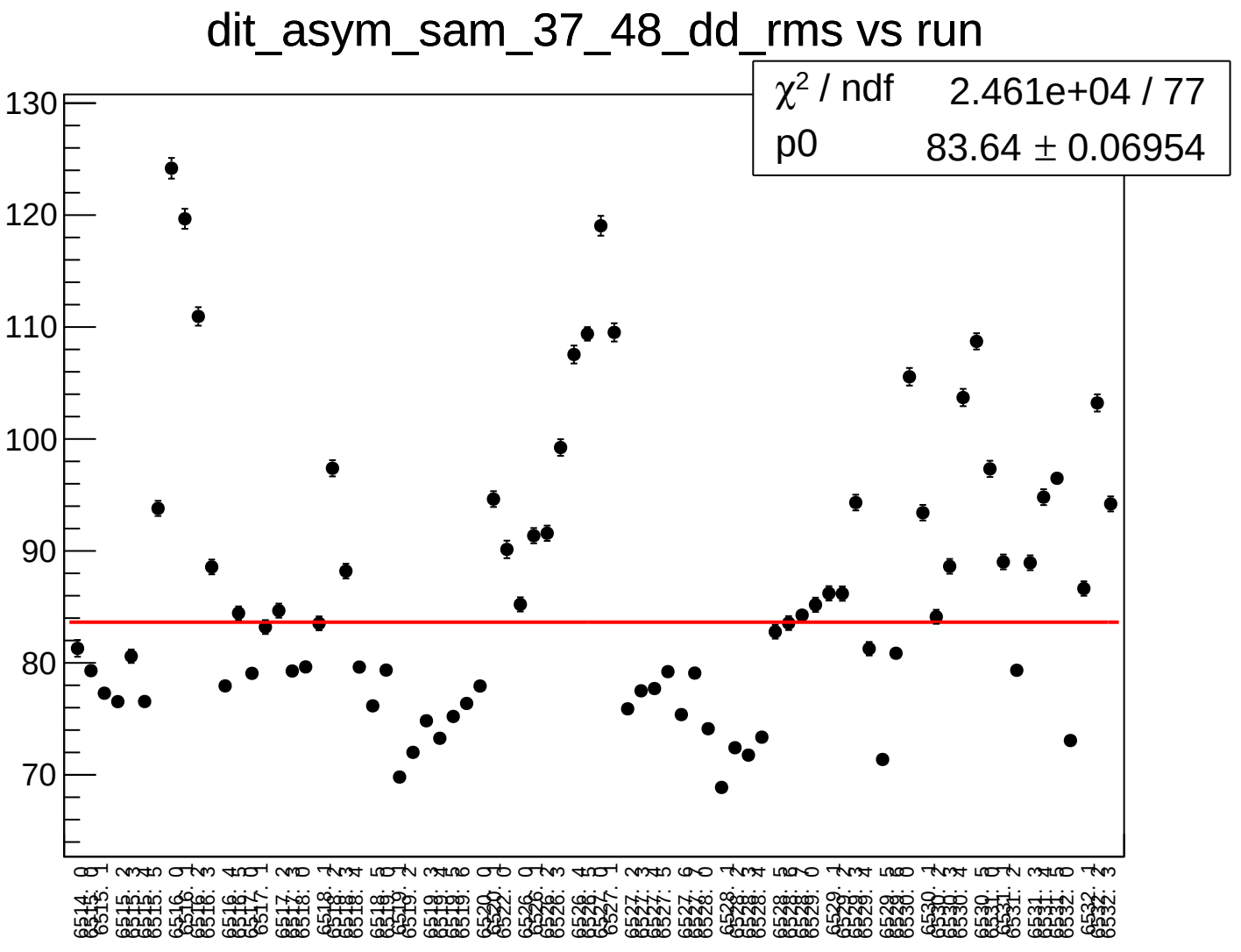

asym_sam_15_48_dd_mean vs run
χ² / ndf 61.47 / 77
p0 −219.3 ± 710.6
pull
Entries 78
Mean 1642
Std Dev 1600

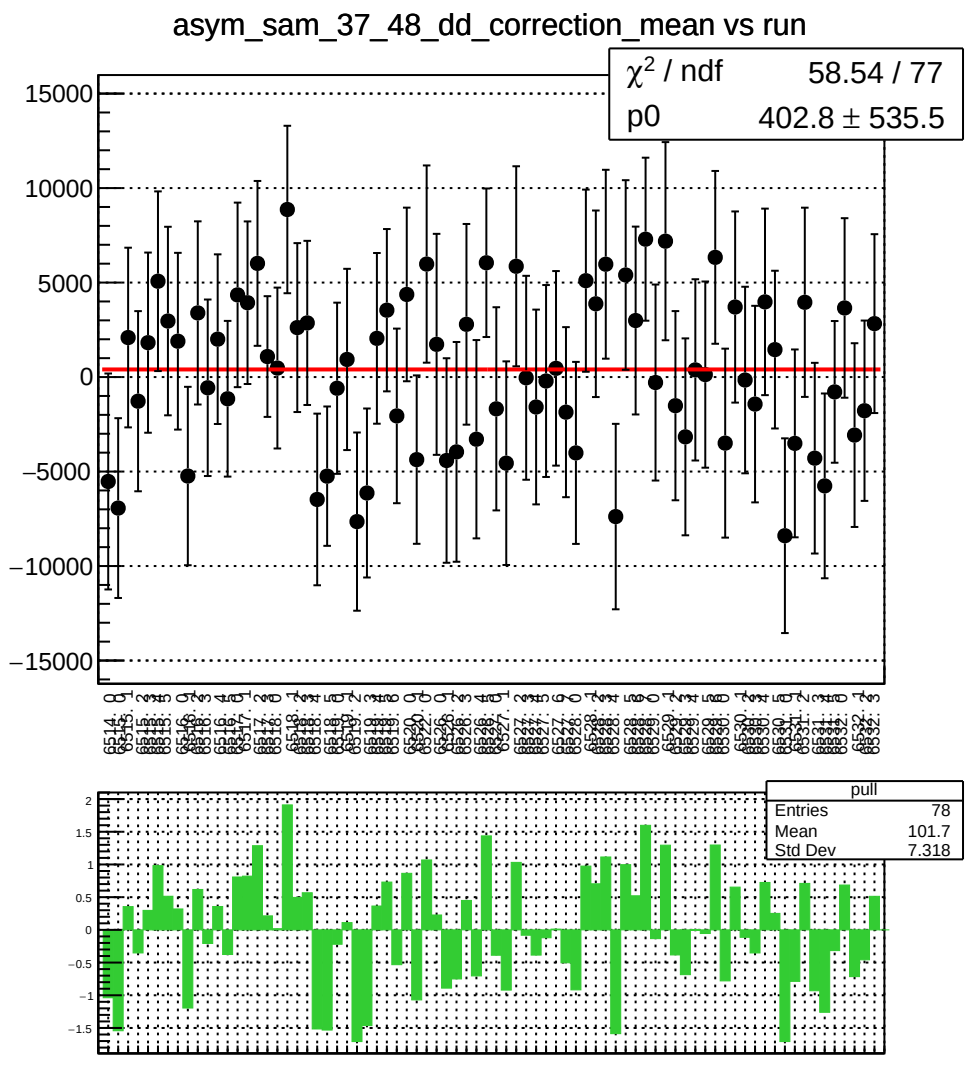

pull1D
Entries 78
Mean 0.002353
Std Dev 0.8878

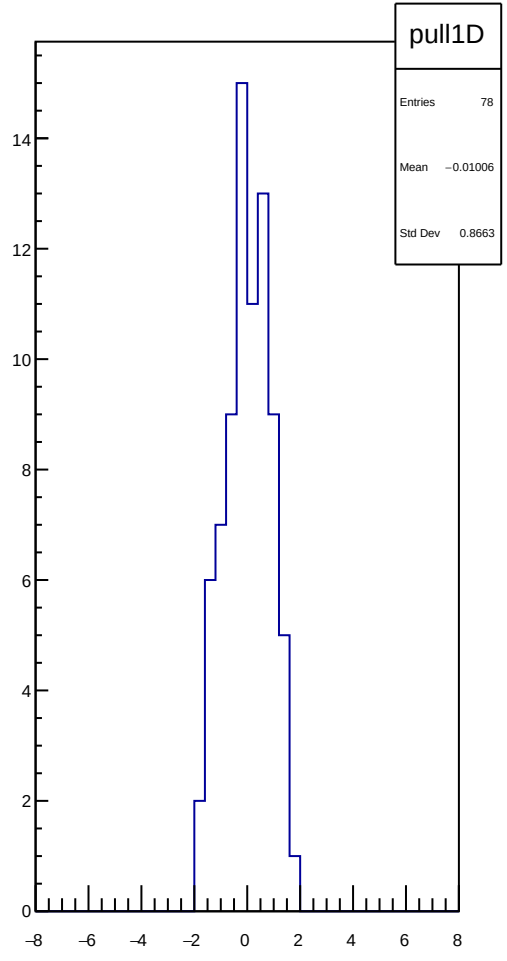

asym_sam_15_48_dd_rms vs run
χ² / ndf 3.408e+04 / 77
p0 602.3 ± 0.5025
800
750
700
650
600
550
500
450

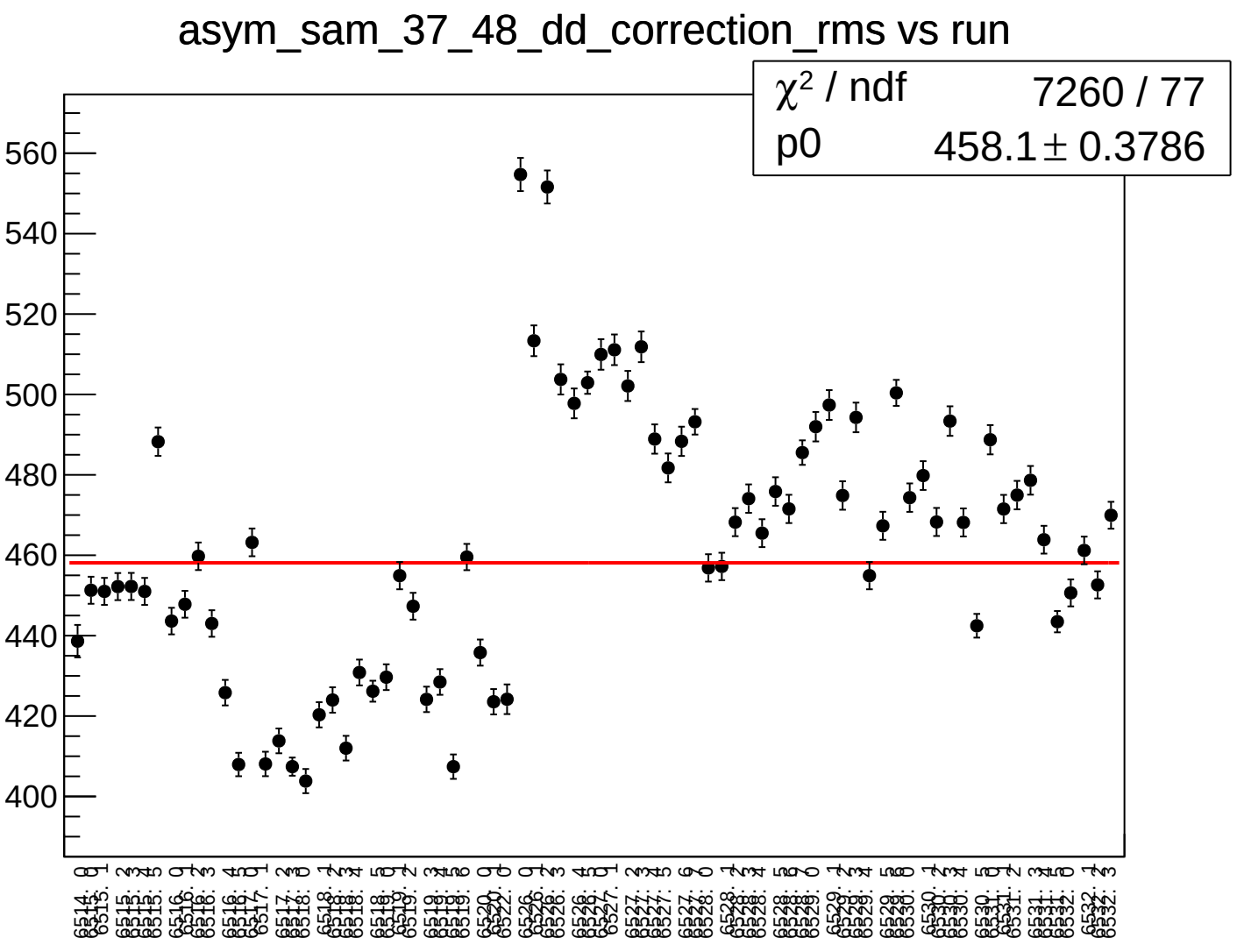

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 89.42 / 77
p0 −99.7 ± 98.34
pull
Entries 78
Mean −1160
Std Dev 1202

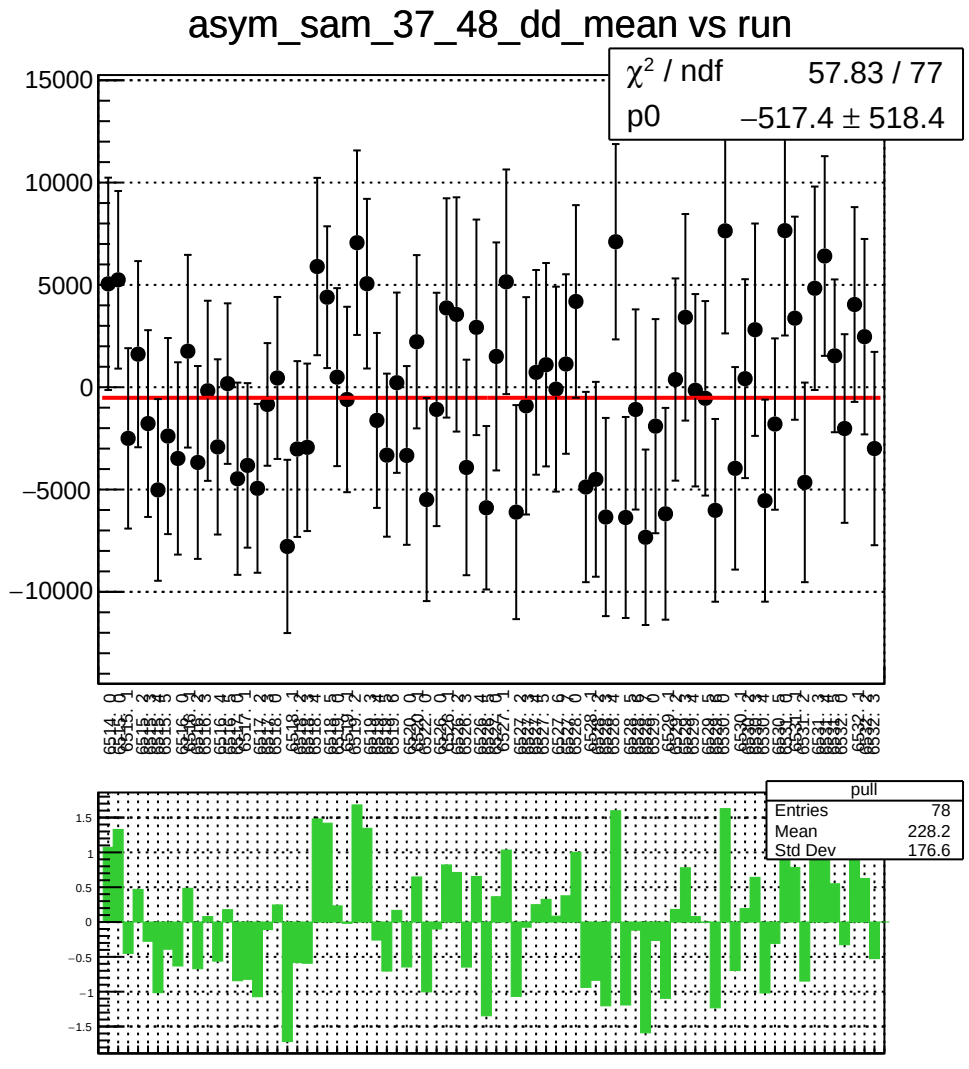

pull1D
Entries 78
Mean −0.00504
Std Dev 1.071

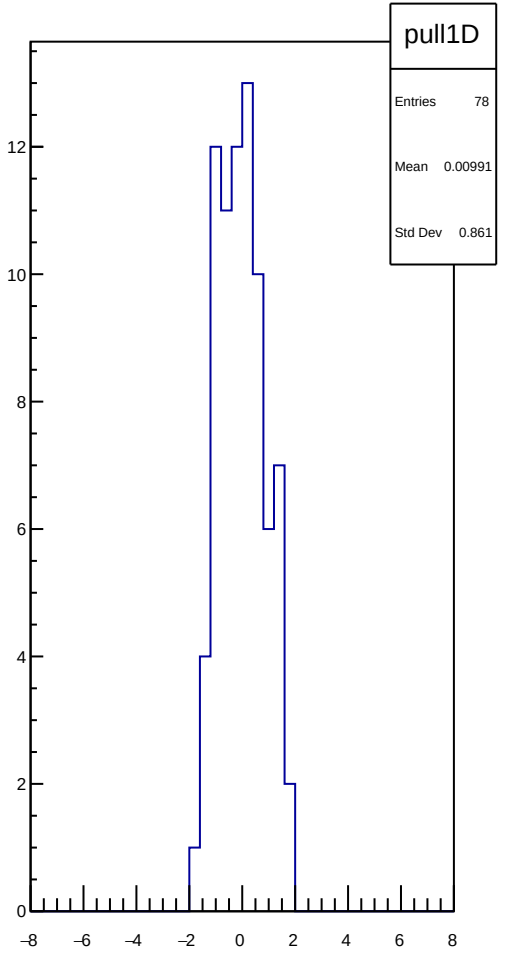

dit_asym_sam_37_48_dd_rms vs run
χ^2 / ndf 2.461e+04 / 77
p0 83.64 ± 0.06954
130
120
110
100
90
80
70

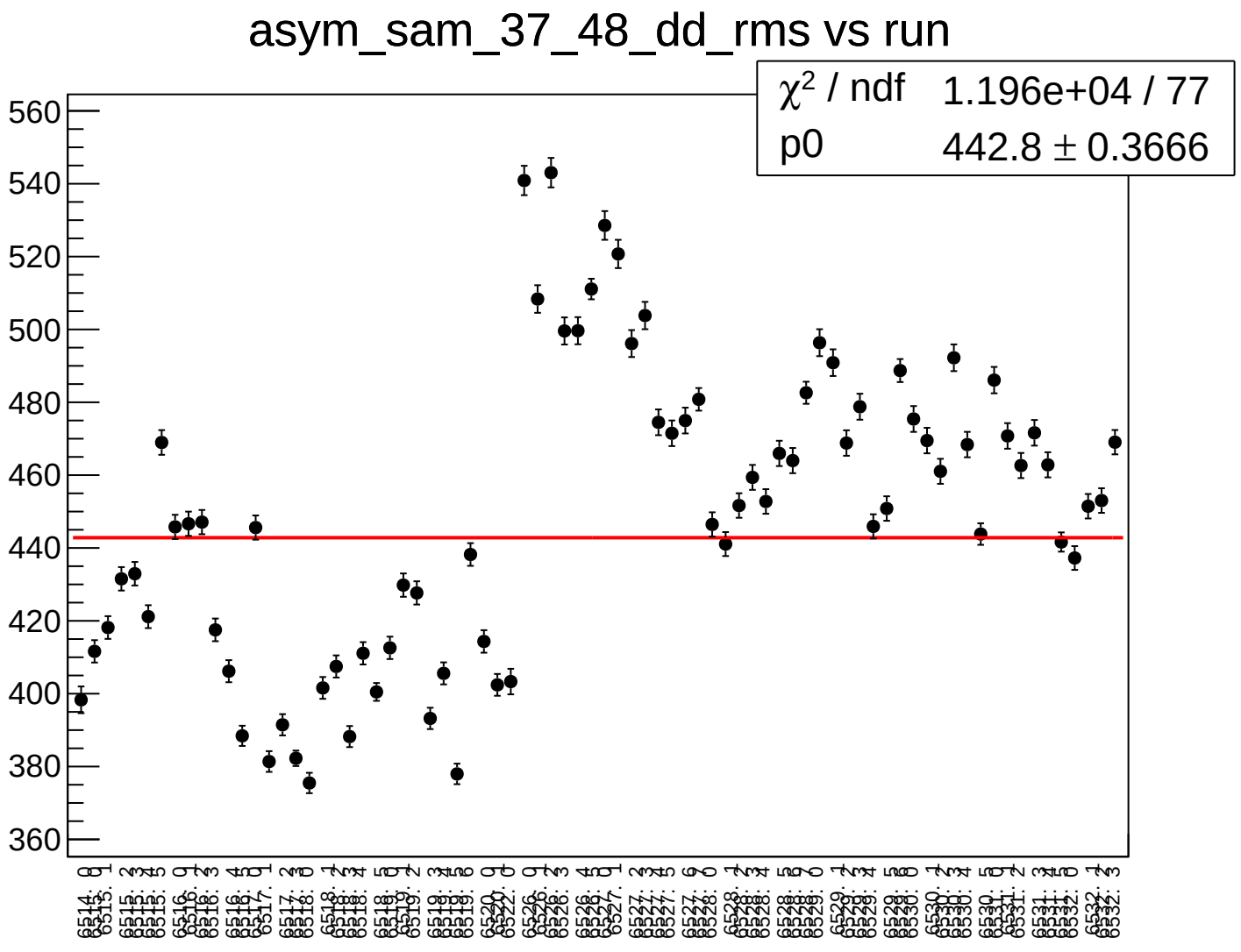

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 58.54 / 77
p0 402.8 ± 535.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 78
Mean 101.7
Std Dev 7.318
2
1.5
1
0.5
0
−0.5
−1
−1.5

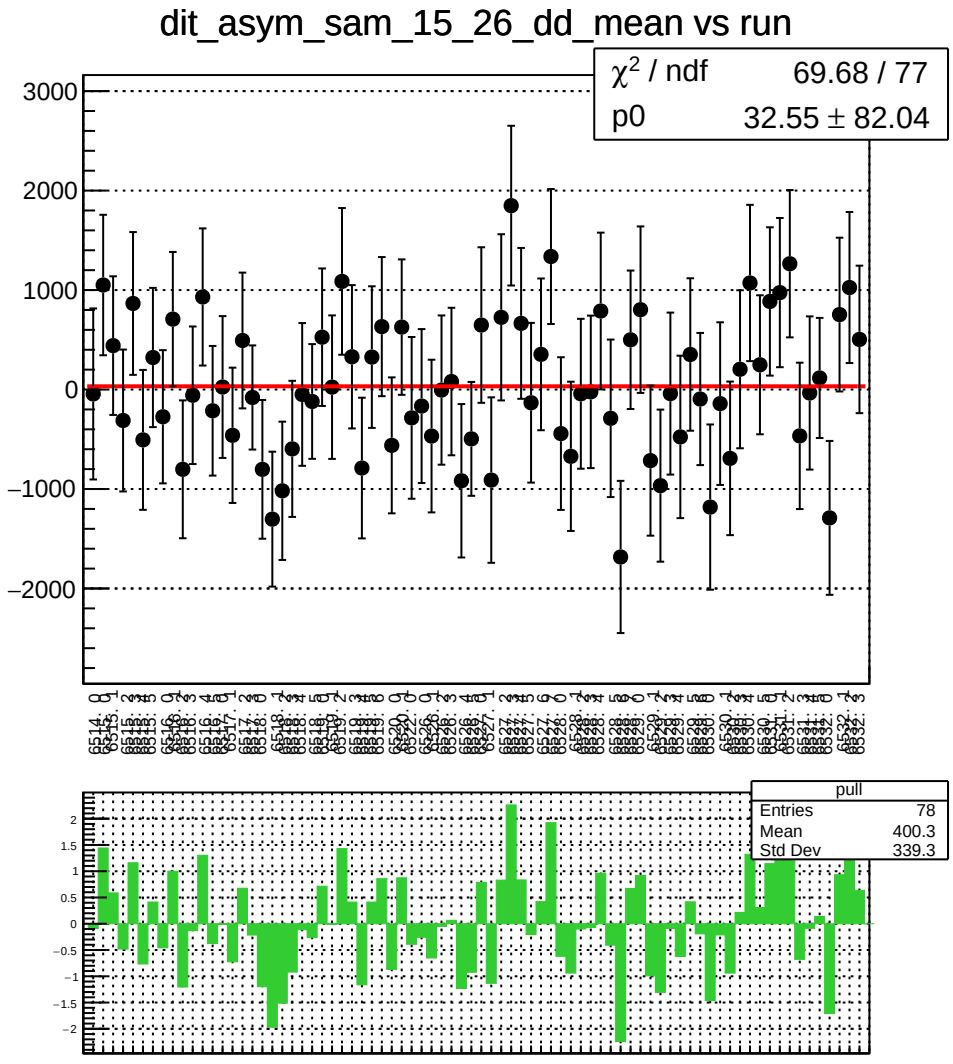

pull1D
Entries 78
Mean −0.01006
Std Dev 0.8663
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

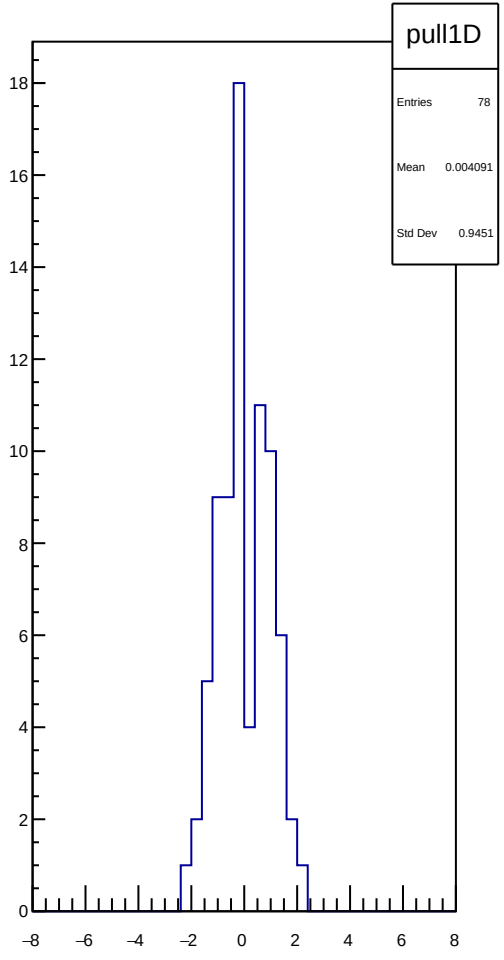

asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 7260 / 77
p0 458.1 ± 0.3786
560
540
520
500
480
460
440
420
400

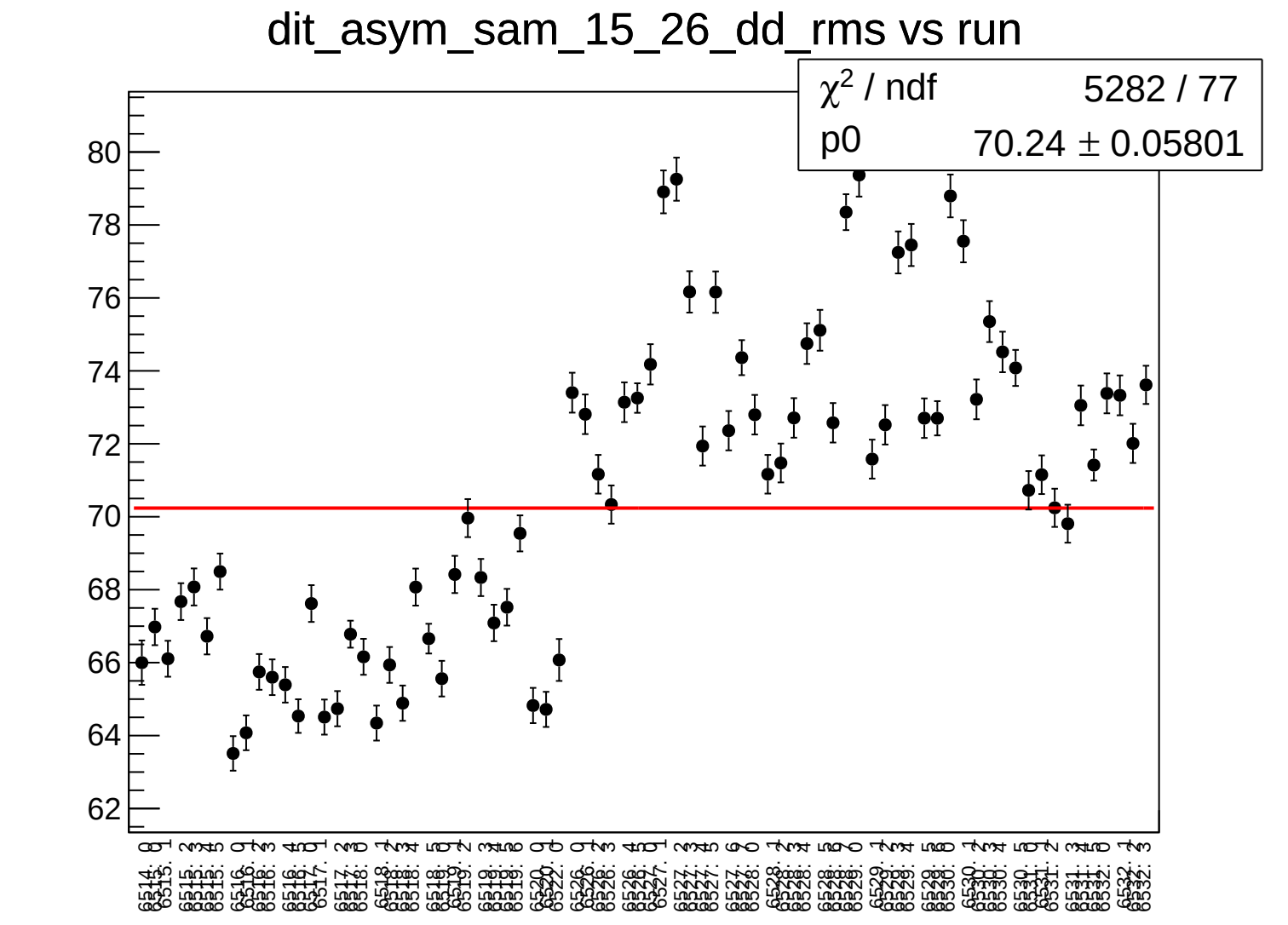

asym_sam_37_48_dd_mean vs run
χ² / ndf 57.83 / 77
p0 −517.4 ± 518.4
15000
10000
5000
0
−5000
−10000
pull
Entries 78
Mean 228.2
Std Dev 176.6
1.5
1
0.5
0
−0.5
−1
−1.5

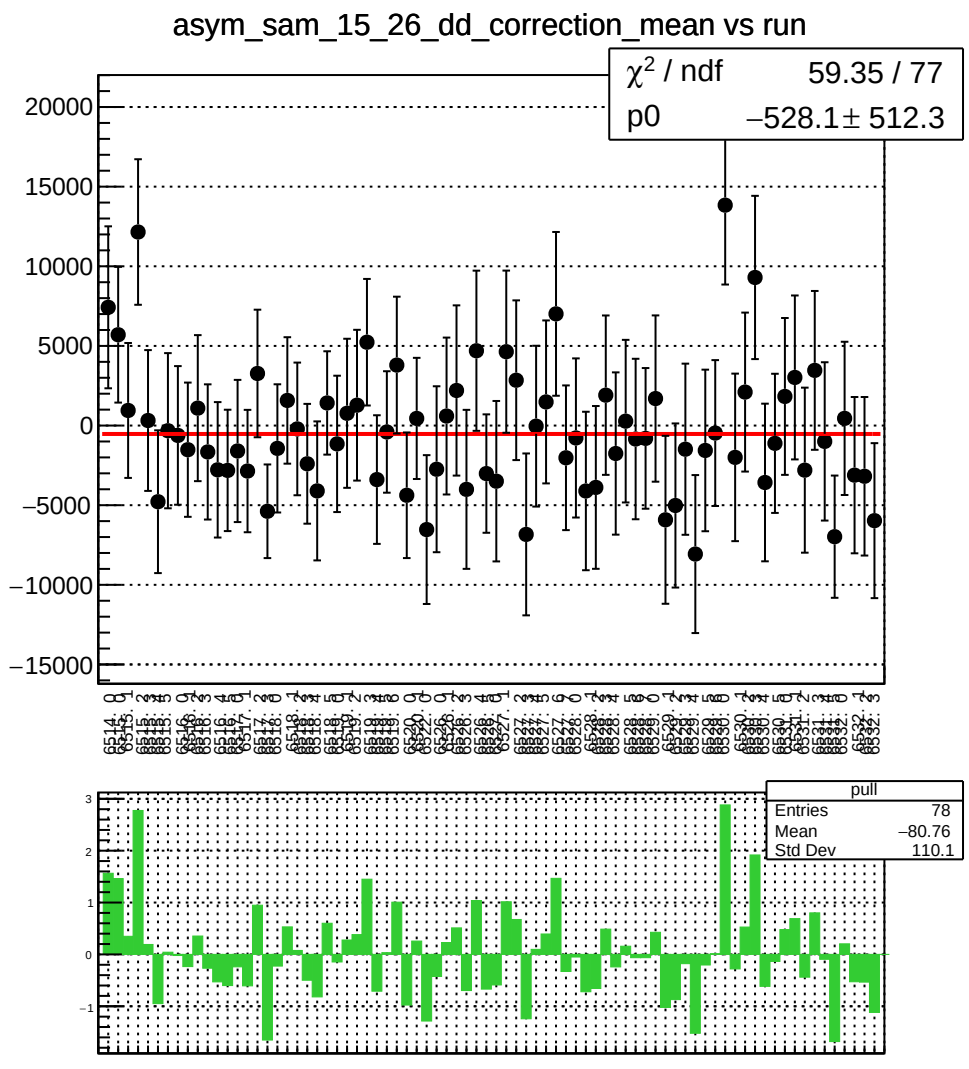

pull1D
Entries 78
Mean 0.00991
Std Dev 0.861
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

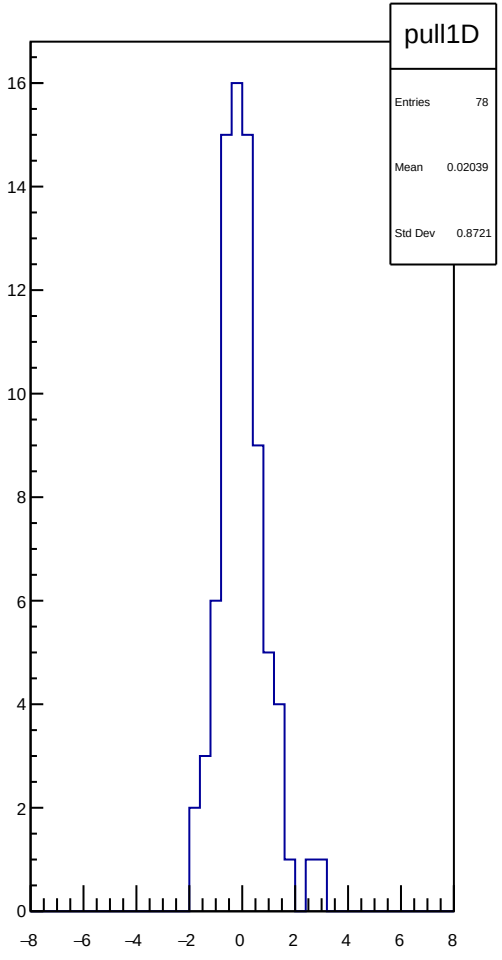

asym_sam_37_48_dd_rms vs run
χ² / ndf 1.196e+04 / 77
p0 442.8 ± 0.3666
560
540
520
500
480
460
440
420
400
380
360

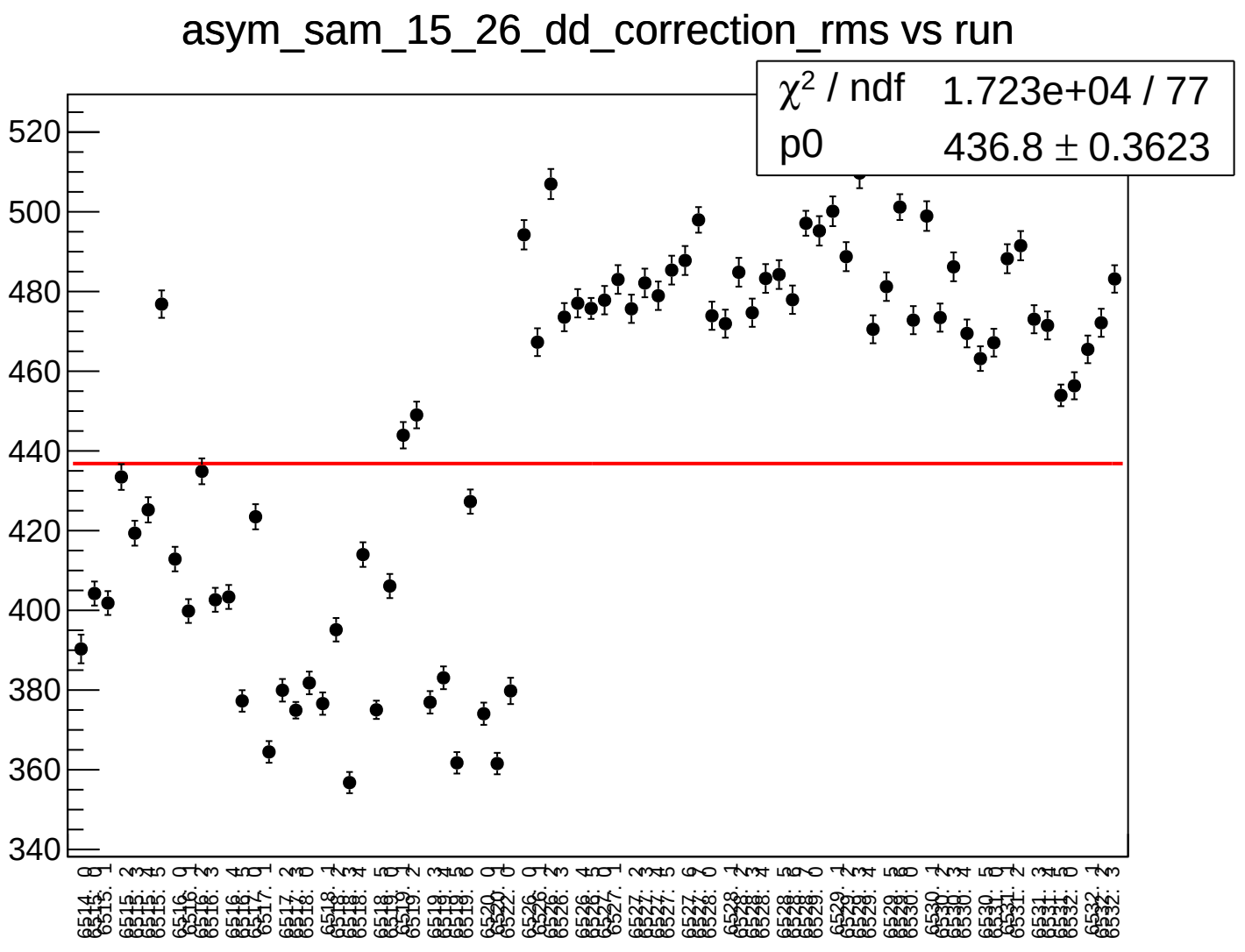

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 69.68 / 77
p0 32.55 ± 82.04
3000
2000
1000
0
−1000
−2000
pull
Entries 78
Mean 400.3
Std Dev 339.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

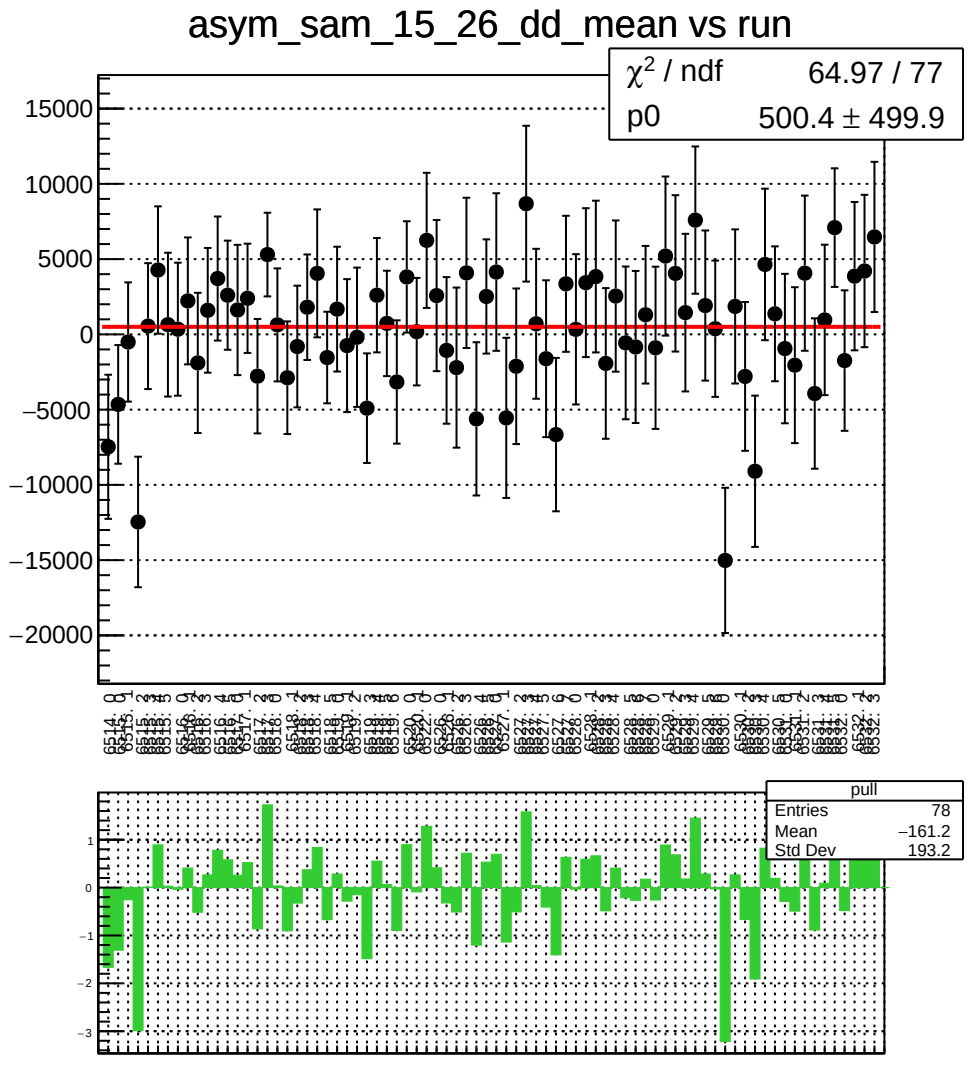

pull1D
Entries 78
Mean 0.004091
Std Dev 0.9451
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

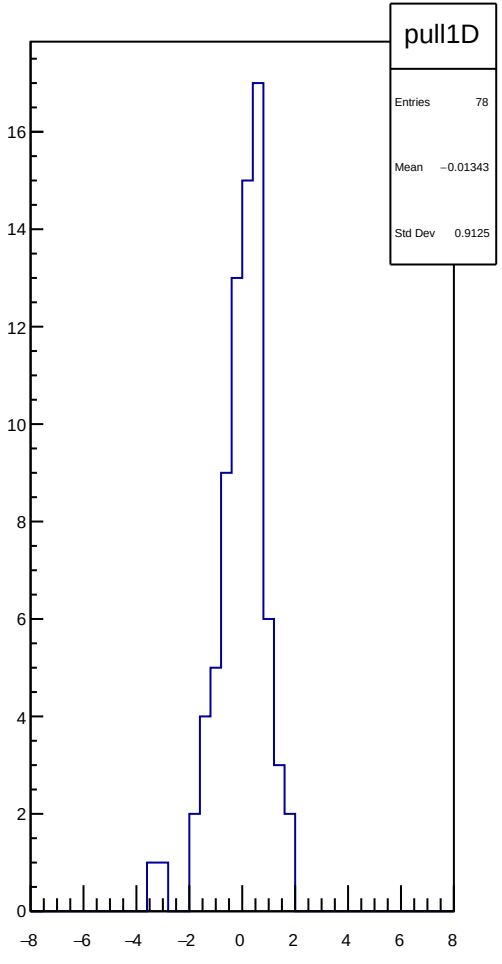

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 5282 / 77
p0 70.24 ± 0.05801
80
78
76
74
72
70
68
66
64
62

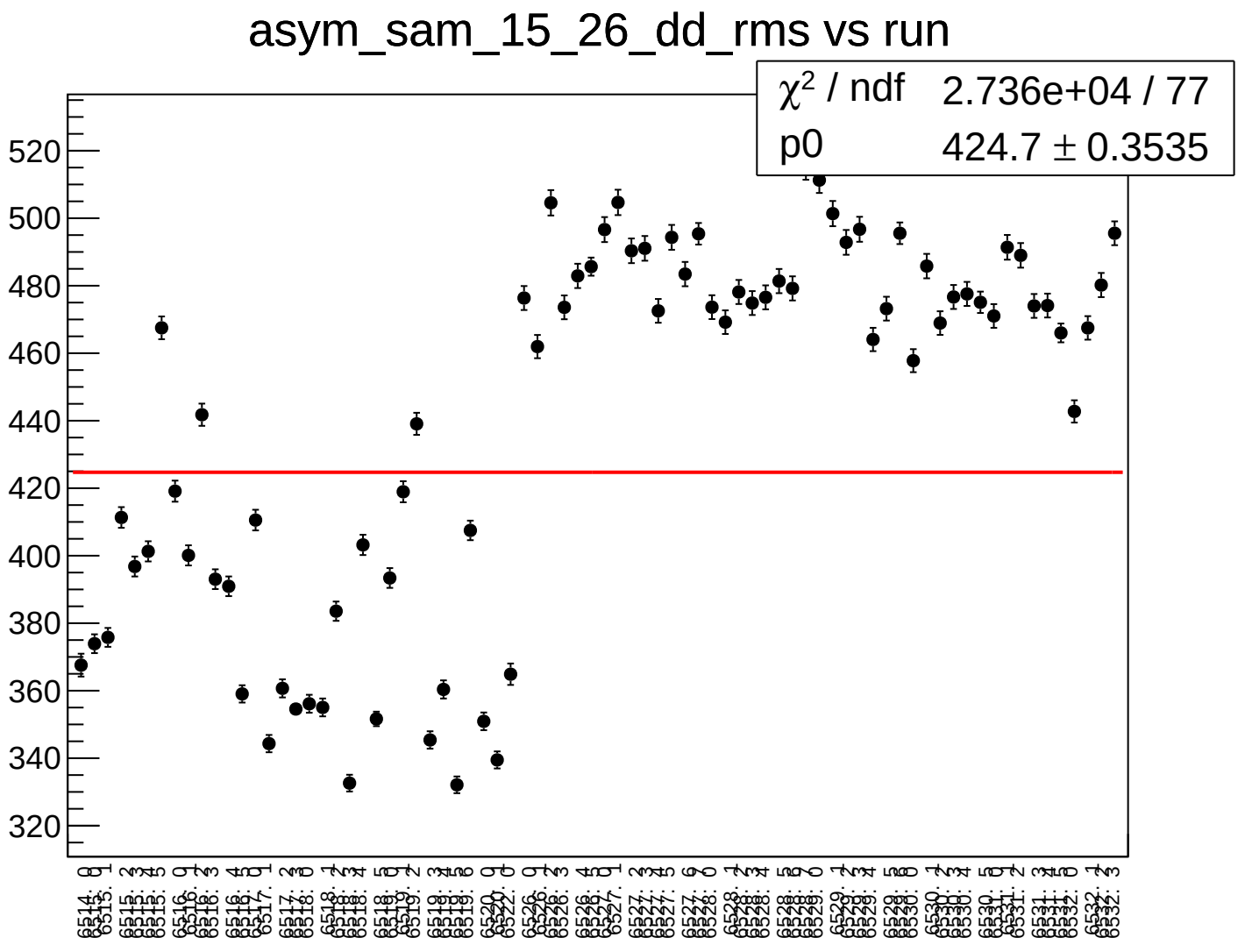

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 59.35 / 77
p0 −528.1 ± 512.3
pull
Entries 78
Mean −80.76
Std Dev 110.1

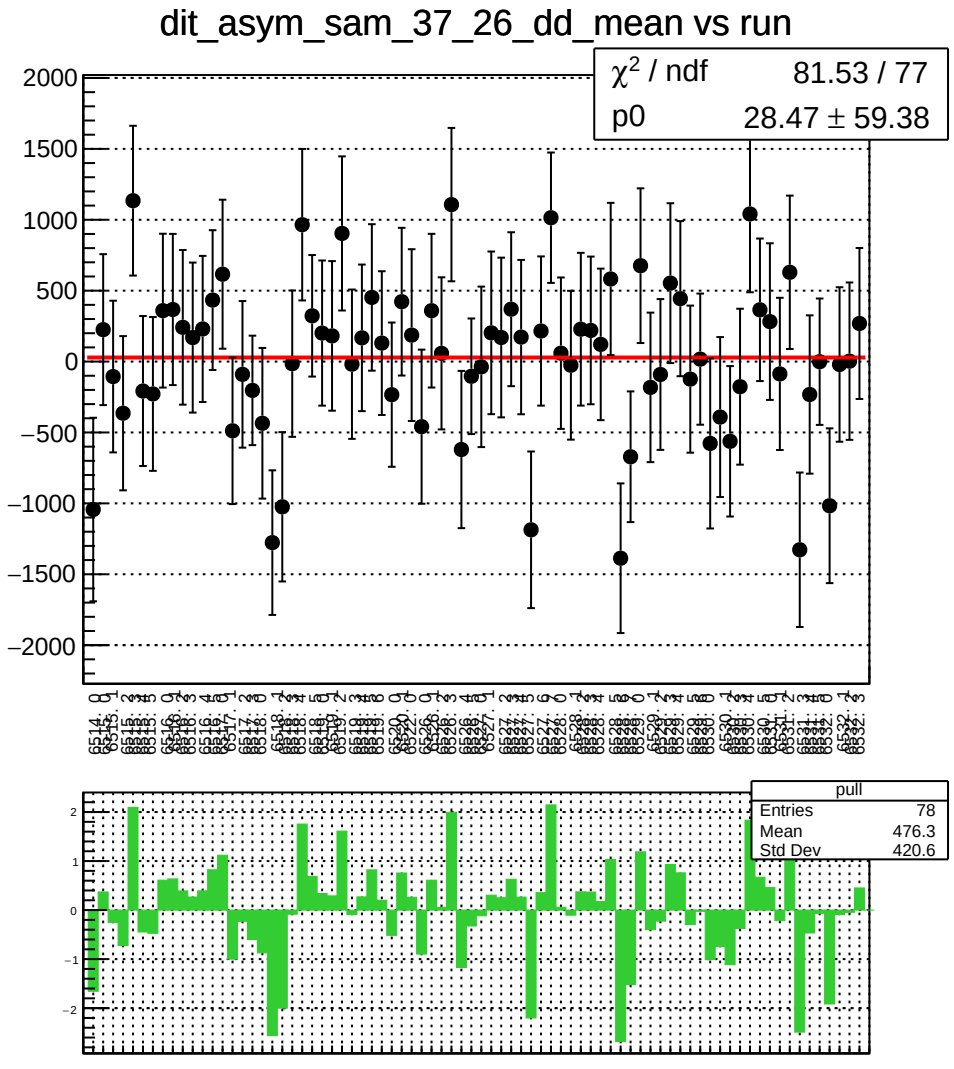

pull1D
Entries 78
Mean 0.02039
Std Dev 0.8721

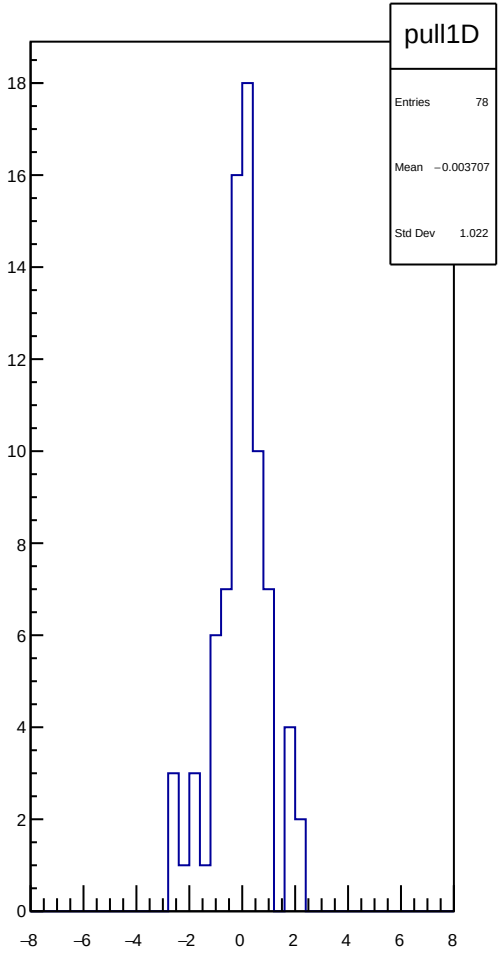

asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 1.723e+04 / 77
p0 436.8 ± 0.3623
520
500
480
460
440
420
400
380
360
340

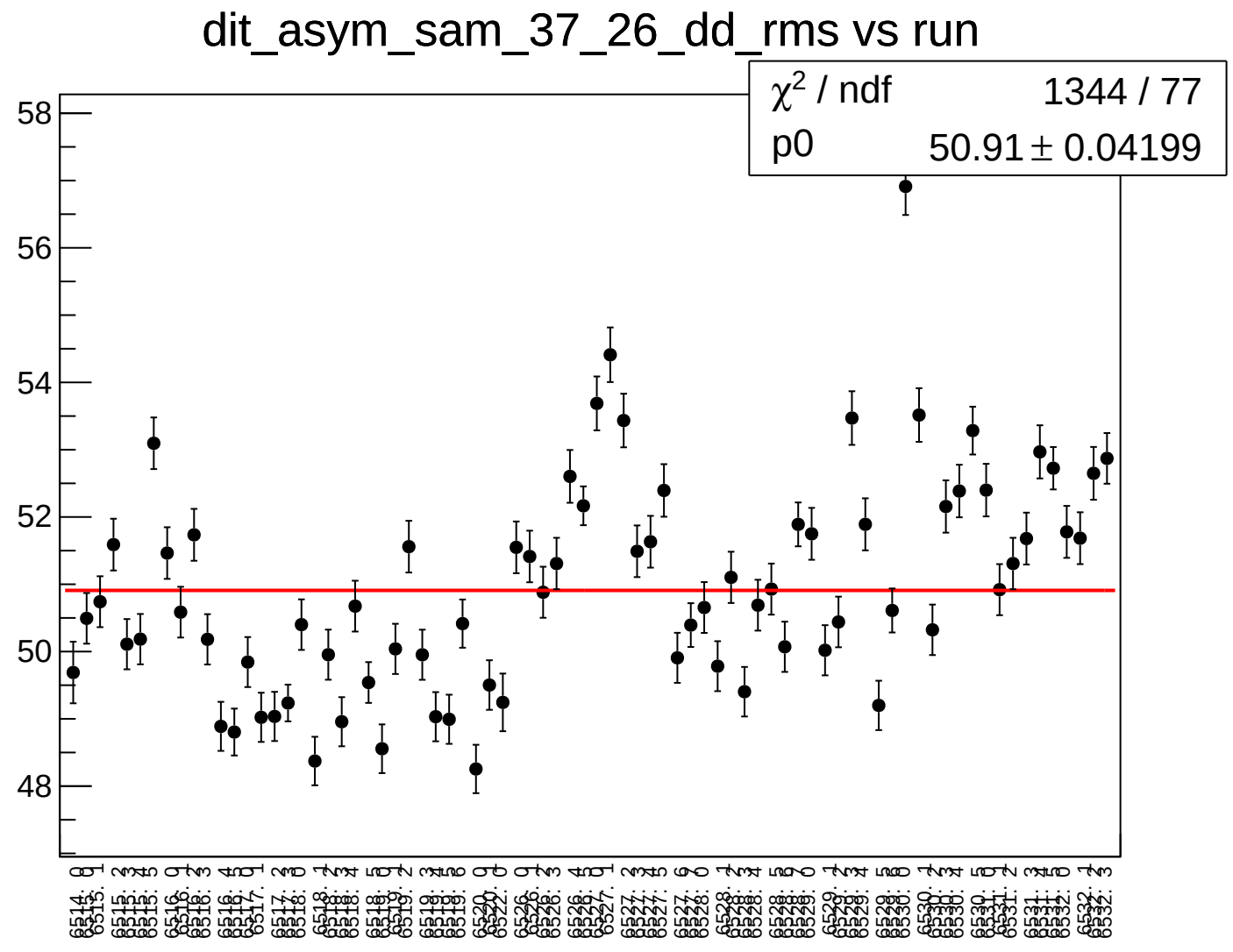

asym_sam_15_26_dd_mean vs run
χ² / ndf 64.97 / 77
p0 500.4 ± 499.9
pull
Entries 78
Mean −161.2
Std Dev 193.2

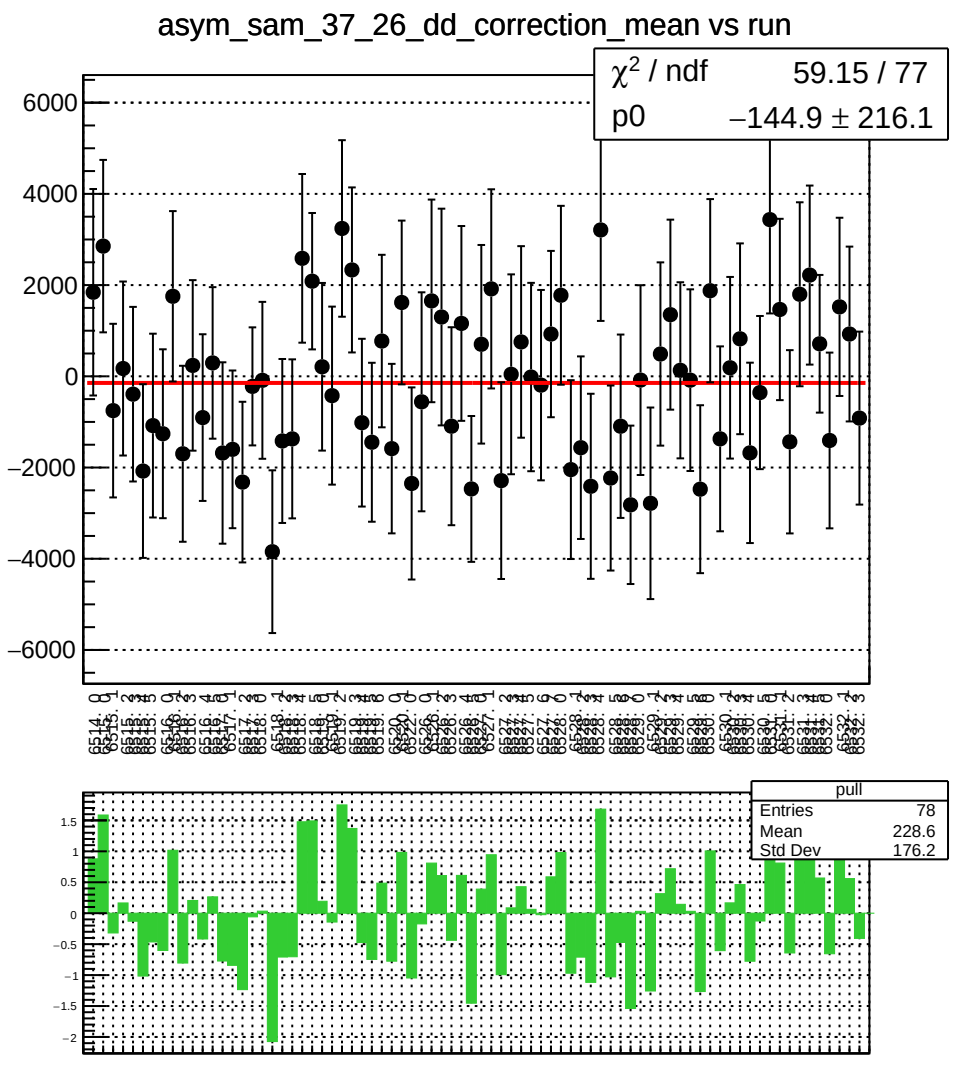

pull1D
Entries 78
Mean −0.01343
Std Dev 0.9125

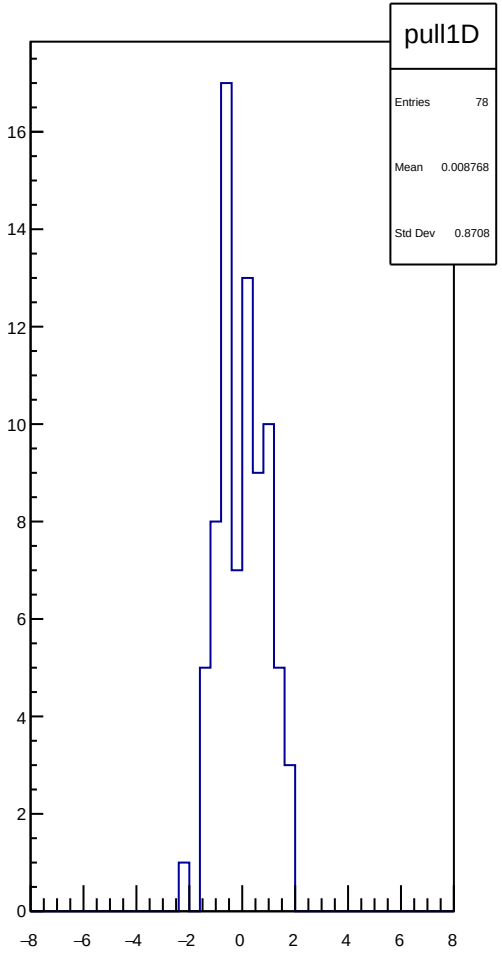

asym_sam_15_26_dd_rms vs run
χ² / ndf 2.736e+04 / 77
p0 424.7 ± 0.3535
520
500
480
460
440
420
400
380
360
340
320

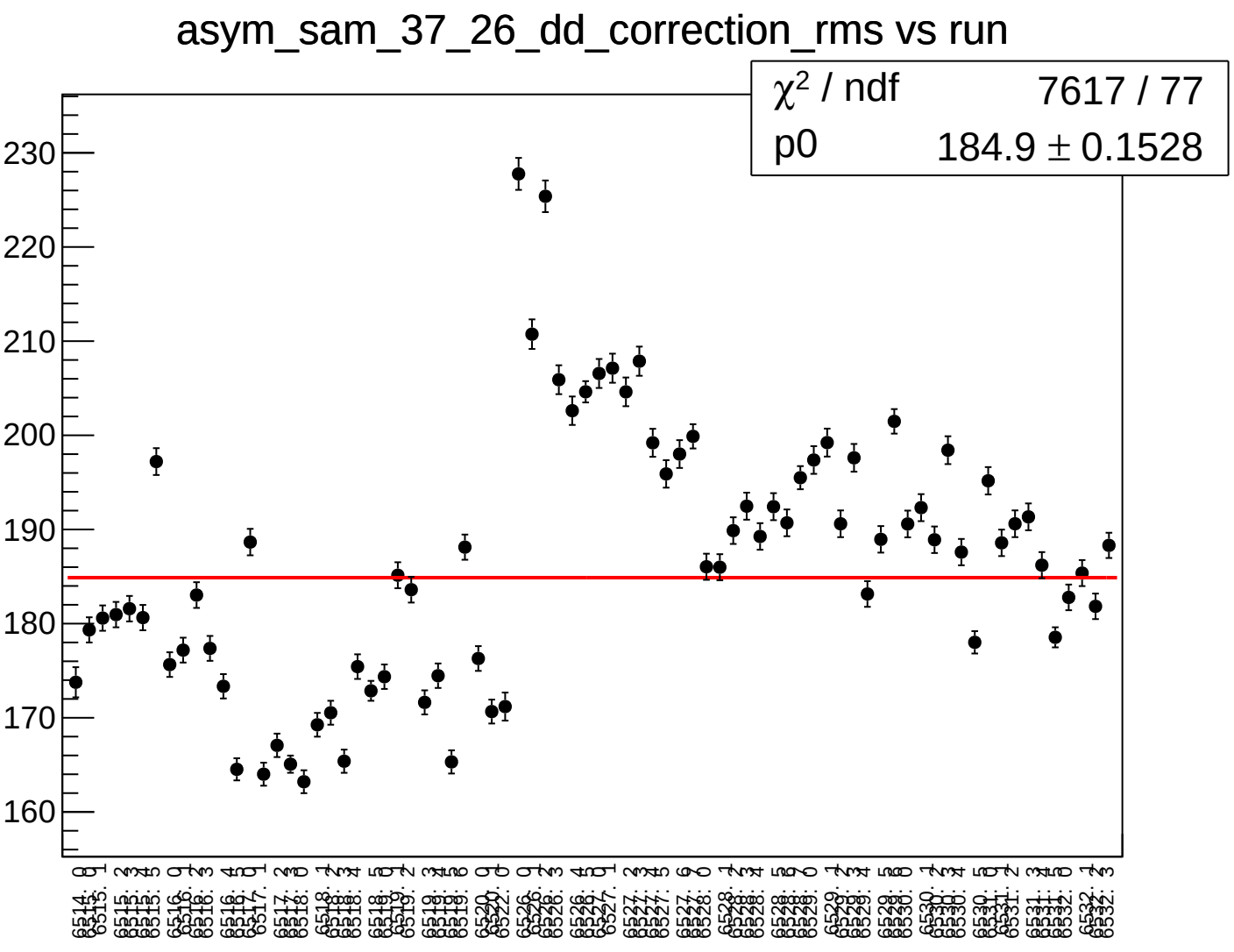

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 81.53 / 77
p0 28.47 ± 59.38
pull
Entries 78
Mean 476.3
Std Dev 420.6

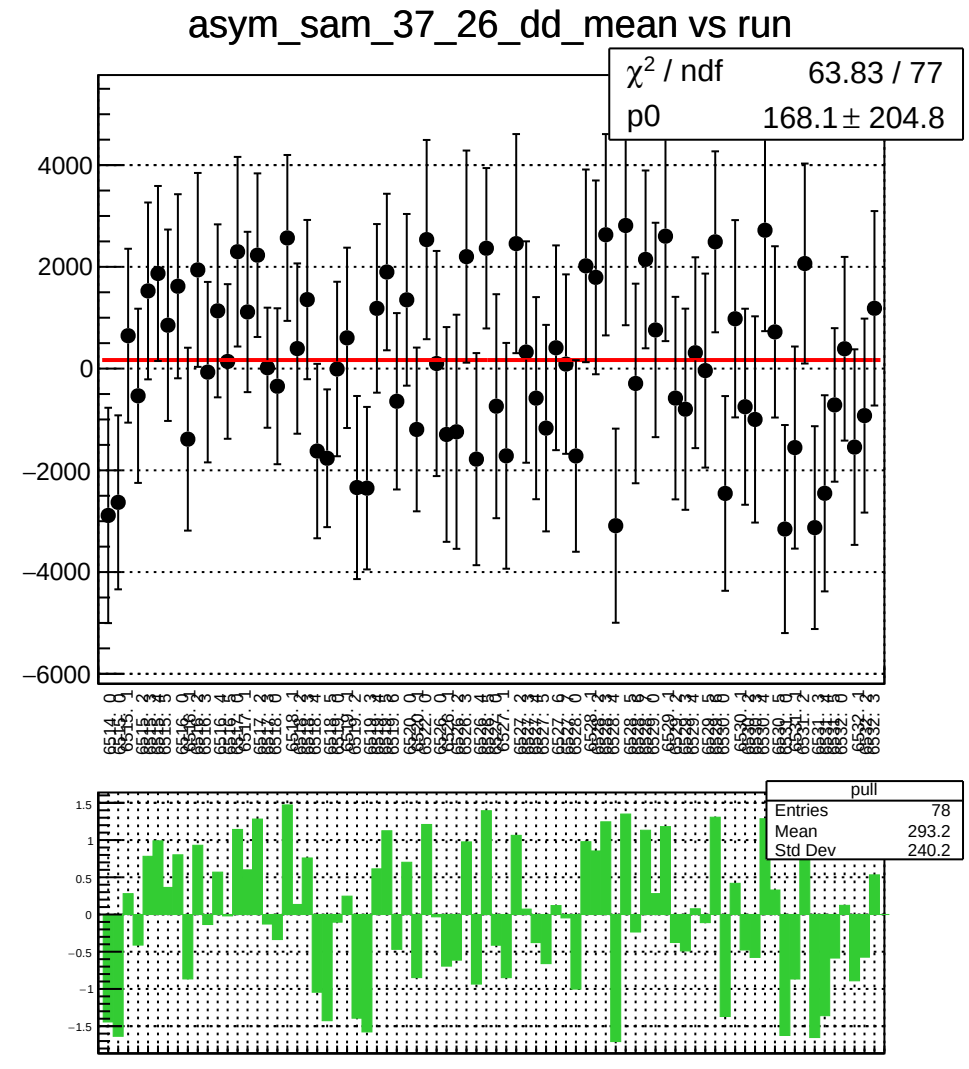

pull1D
Entries 78
Mean −0.003707
Std Dev 1.022

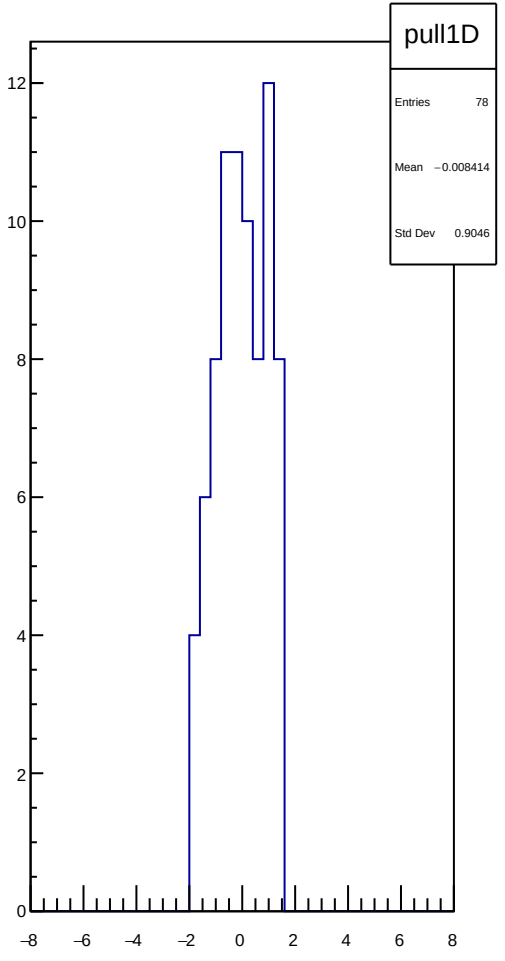

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 1344 / 77
p0 50.91 ± 0.04199
58
56
54
52
50
48

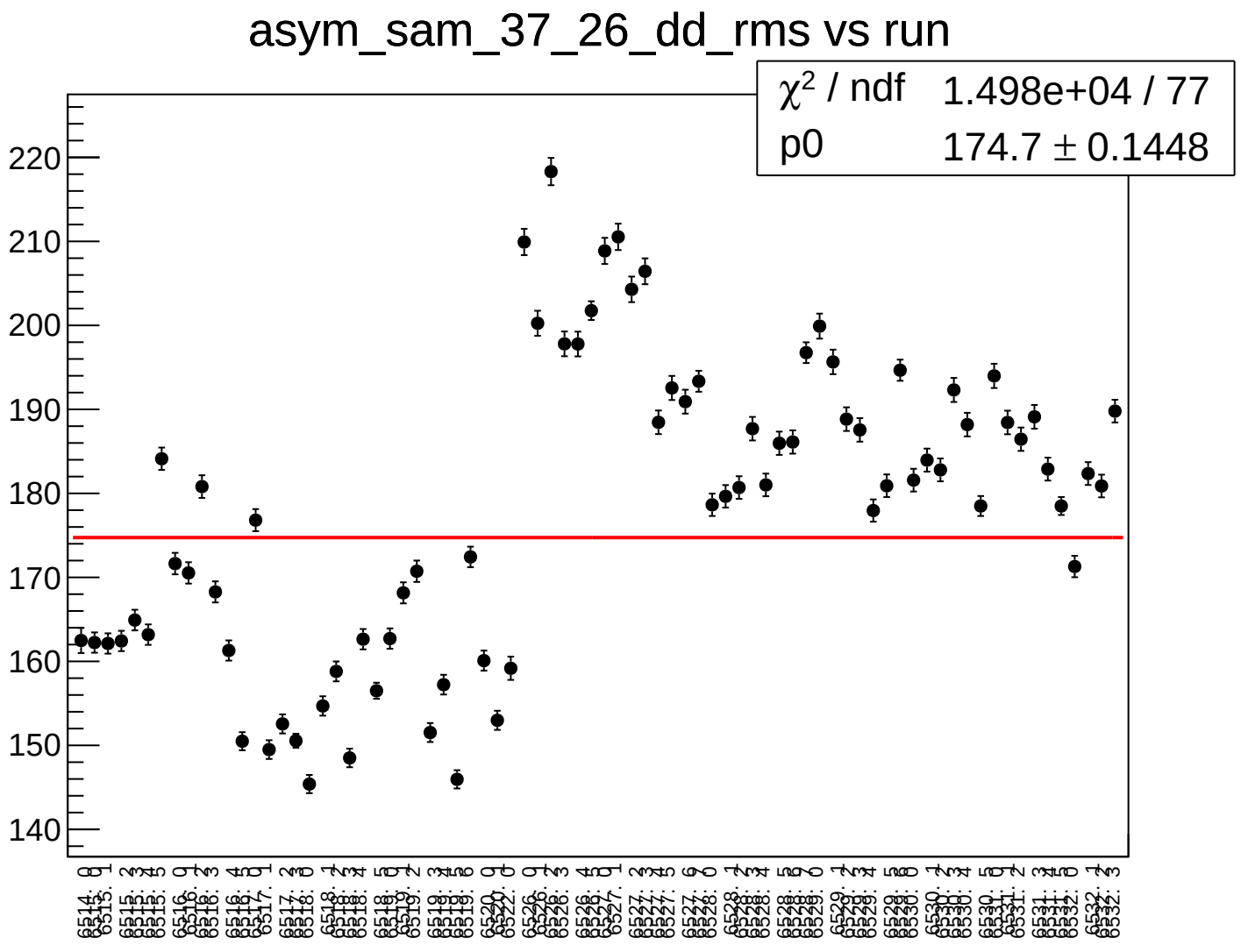

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 59.15 / 77
p0 −144.9 ± 216.1
pull
Entries 78
Mean 228.6
Std Dev 176.2

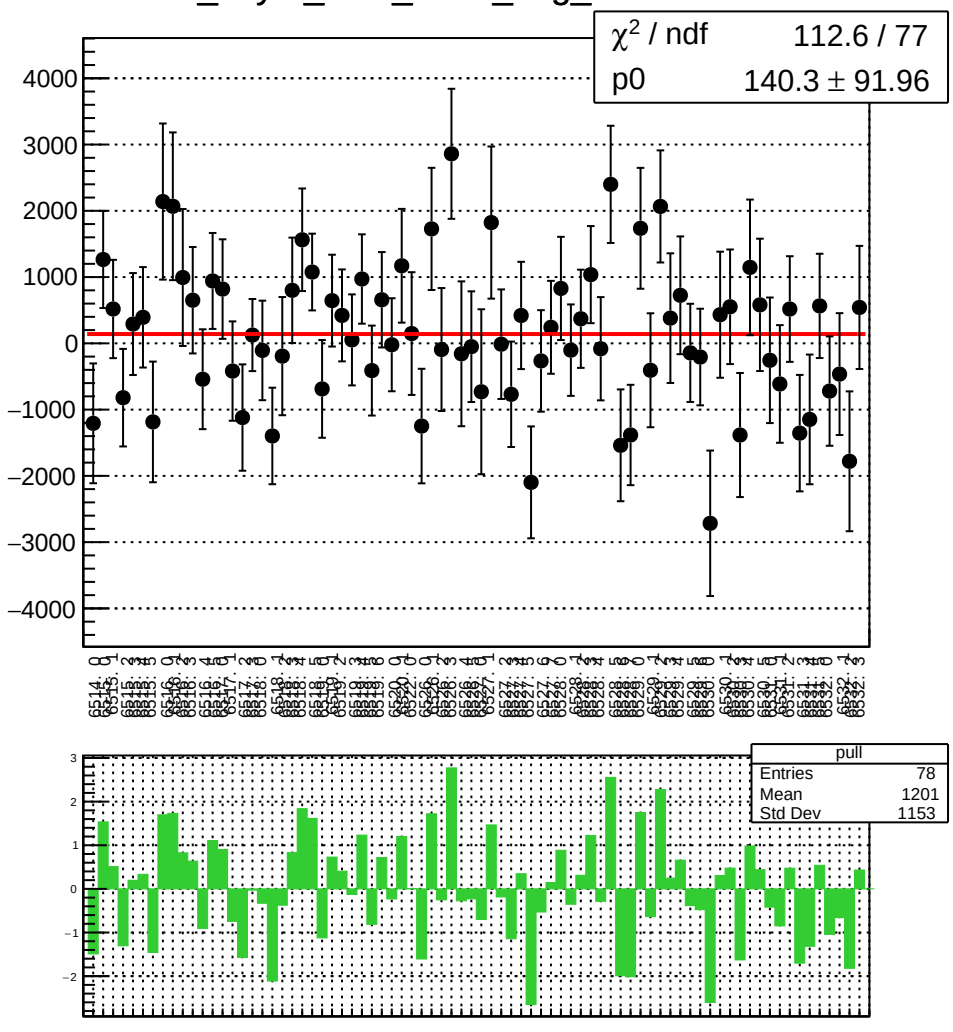

pull1D
Entries 78
Mean 0.008768
Std Dev 0.8708

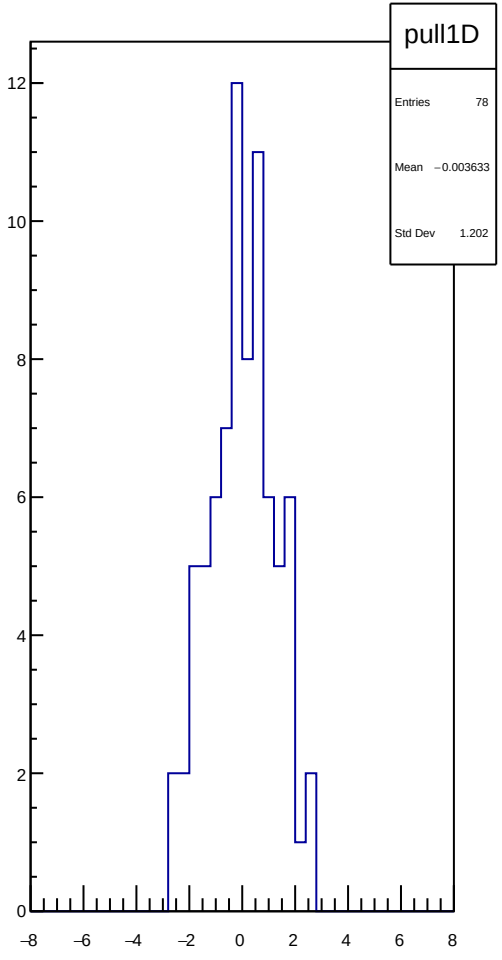

asym_sam_37_26_dd_correction_rms vs run
χ² / ndf 7617 / 77
p0 184.9 ± 0.1528
230
220
210
200
190
180
170
160

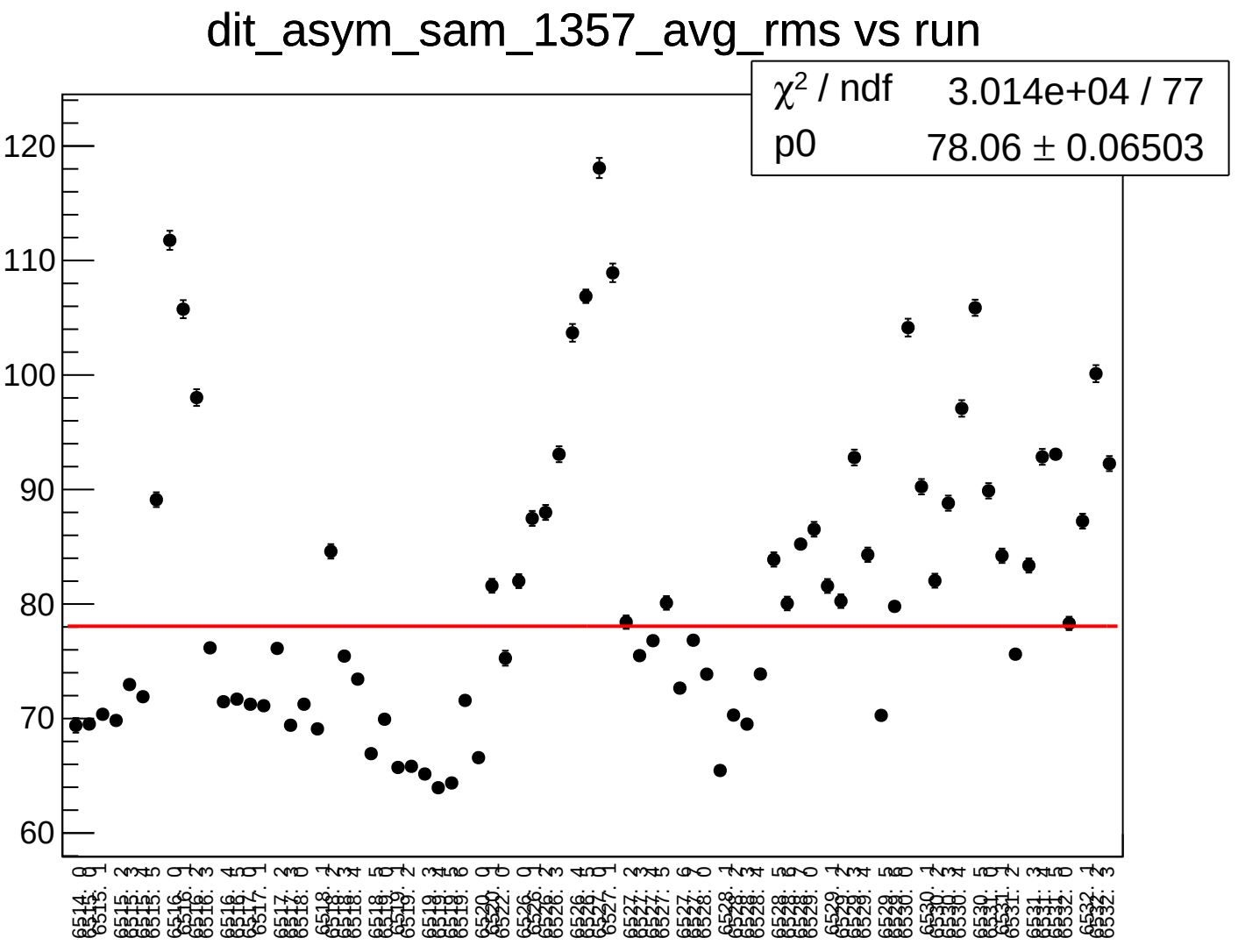

asym_sam_37_26_dd_mean vs run
χ² / ndf 63.83 / 77
p0 168.1 ± 204.8
pull
Entries 78
Mean 293.2
Std Dev 240.2

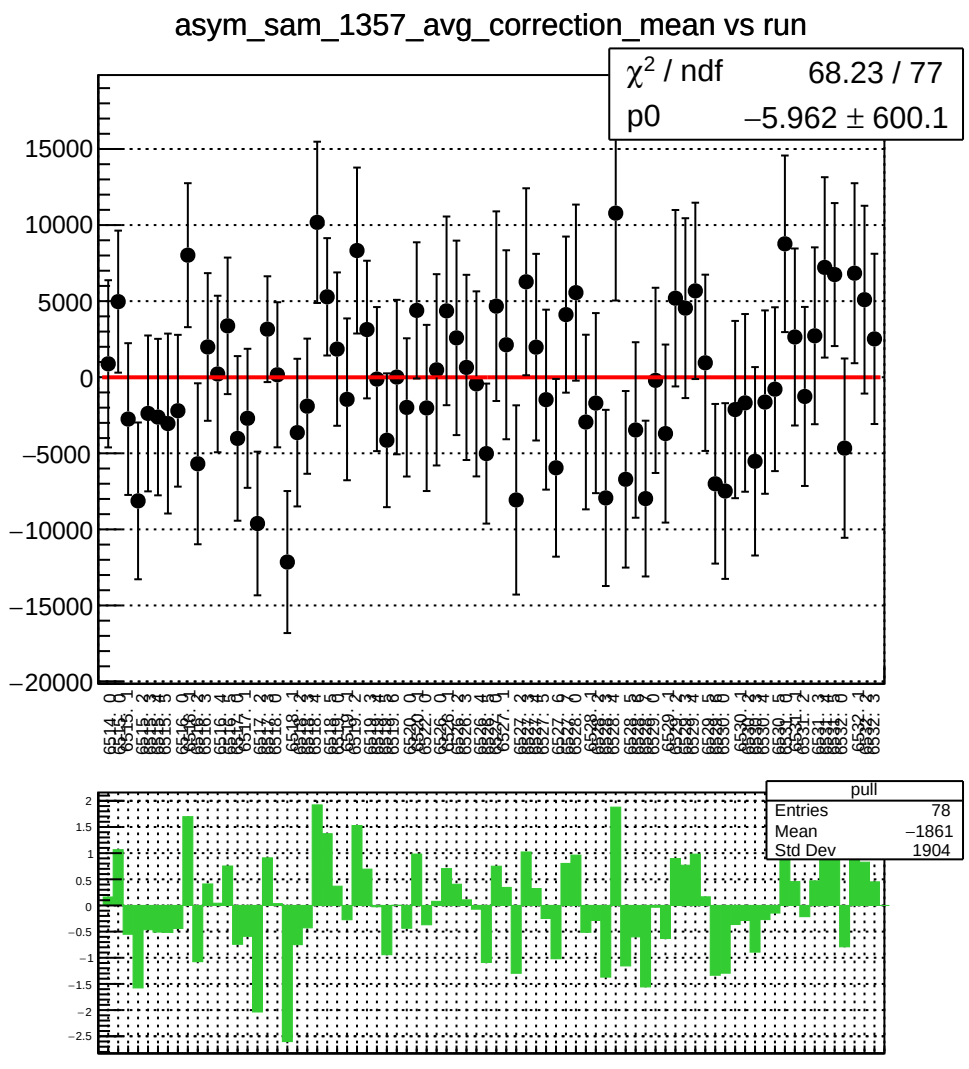

pull1D
Entries 78
Mean −0.008414
Std Dev 0.9046

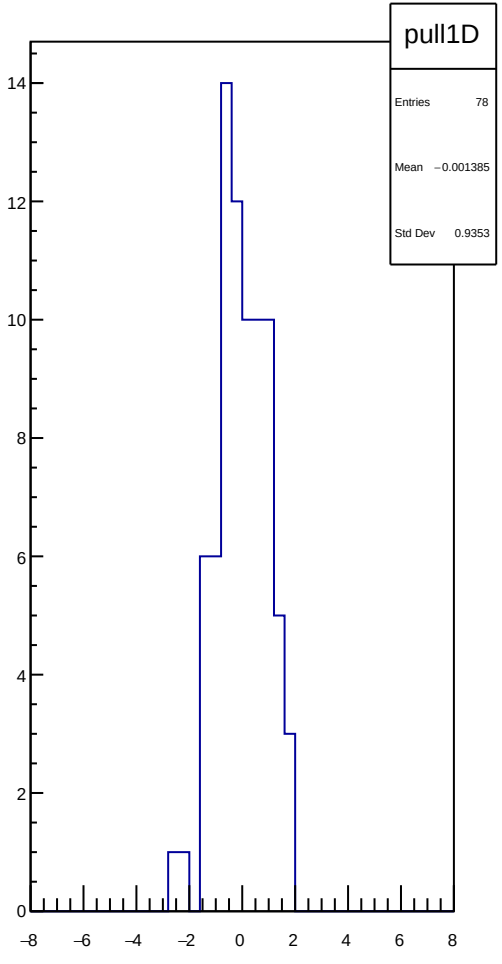

asym_sam_37_26_dd_rms vs run
χ² / ndf 1.498e+04 / 77
p0 174.7 ± 0.1448
220
210
200
190
180
170
160
150
140

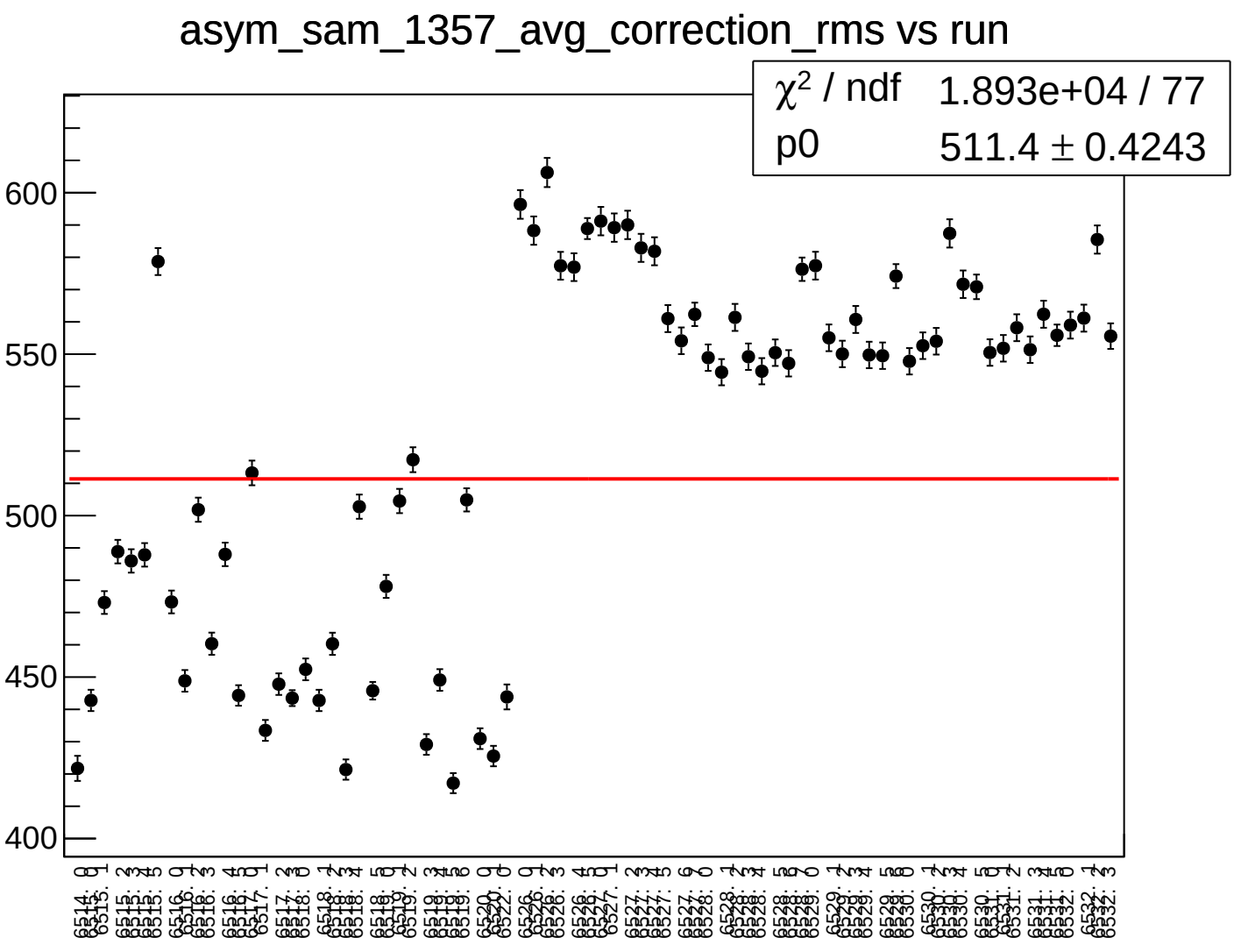

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 112.6 / 77
p0 140.3 ± 91.96
pull
Entries 78
Mean 1201
Std Dev 1153

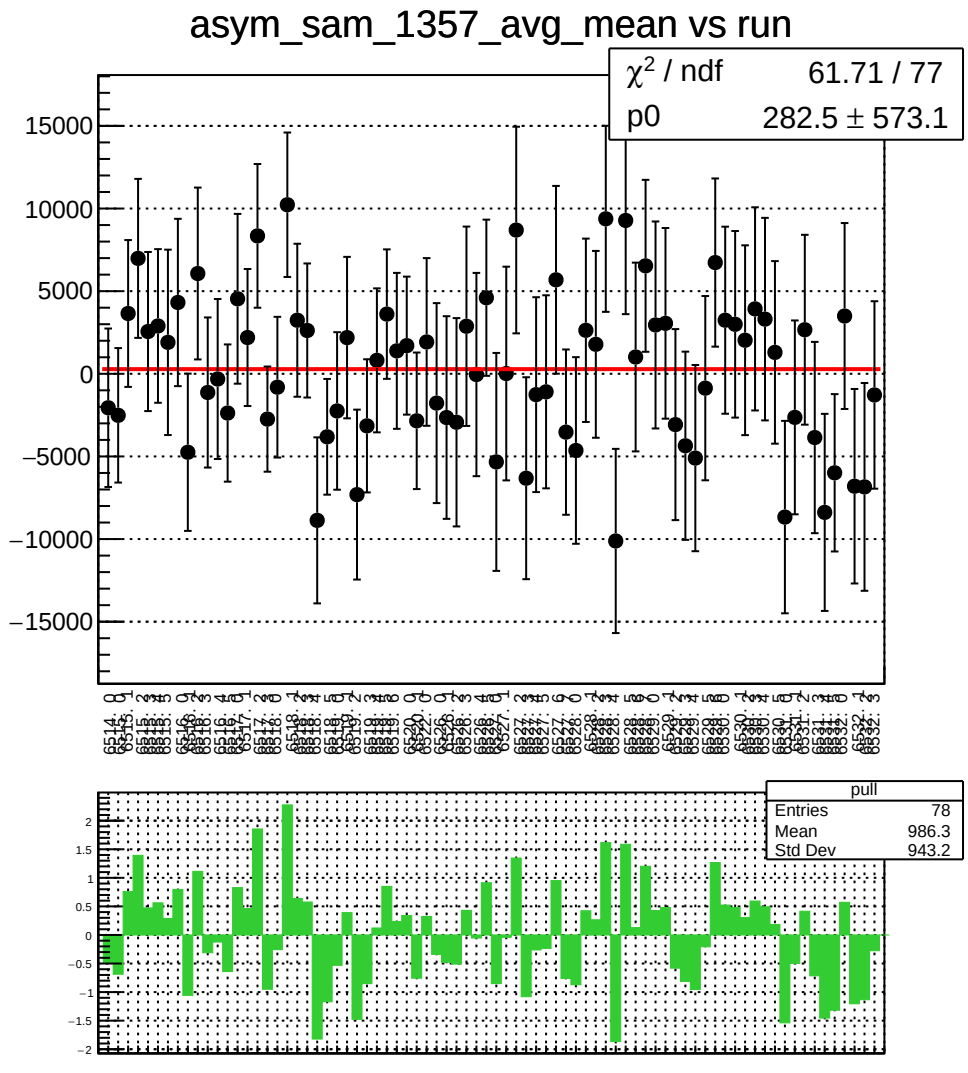

pull1D
Entries 78
Mean −0.003633
Std Dev 1.202

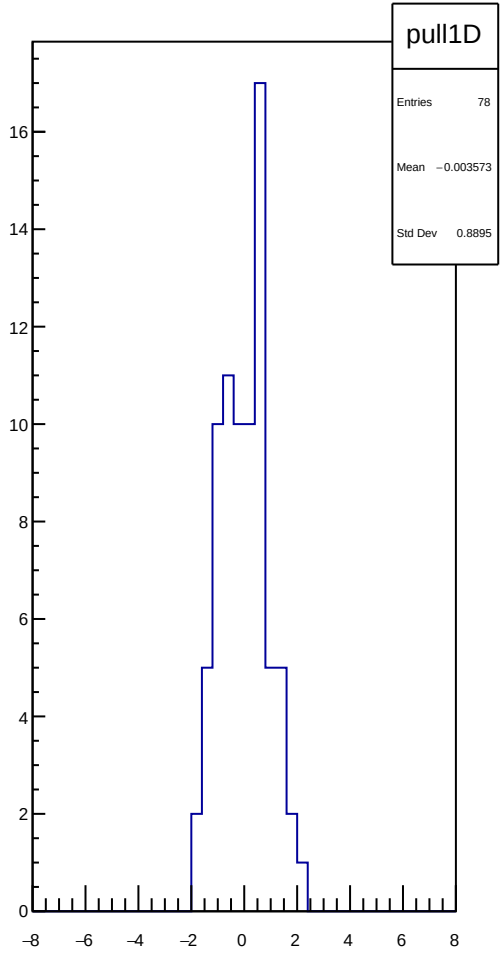

dit_asym_sam_1357_avg_rms vs run
χ² / ndf 3.014e+04 / 77
p0 78.06 ± 0.06503
120
110
100
90
80
70
60

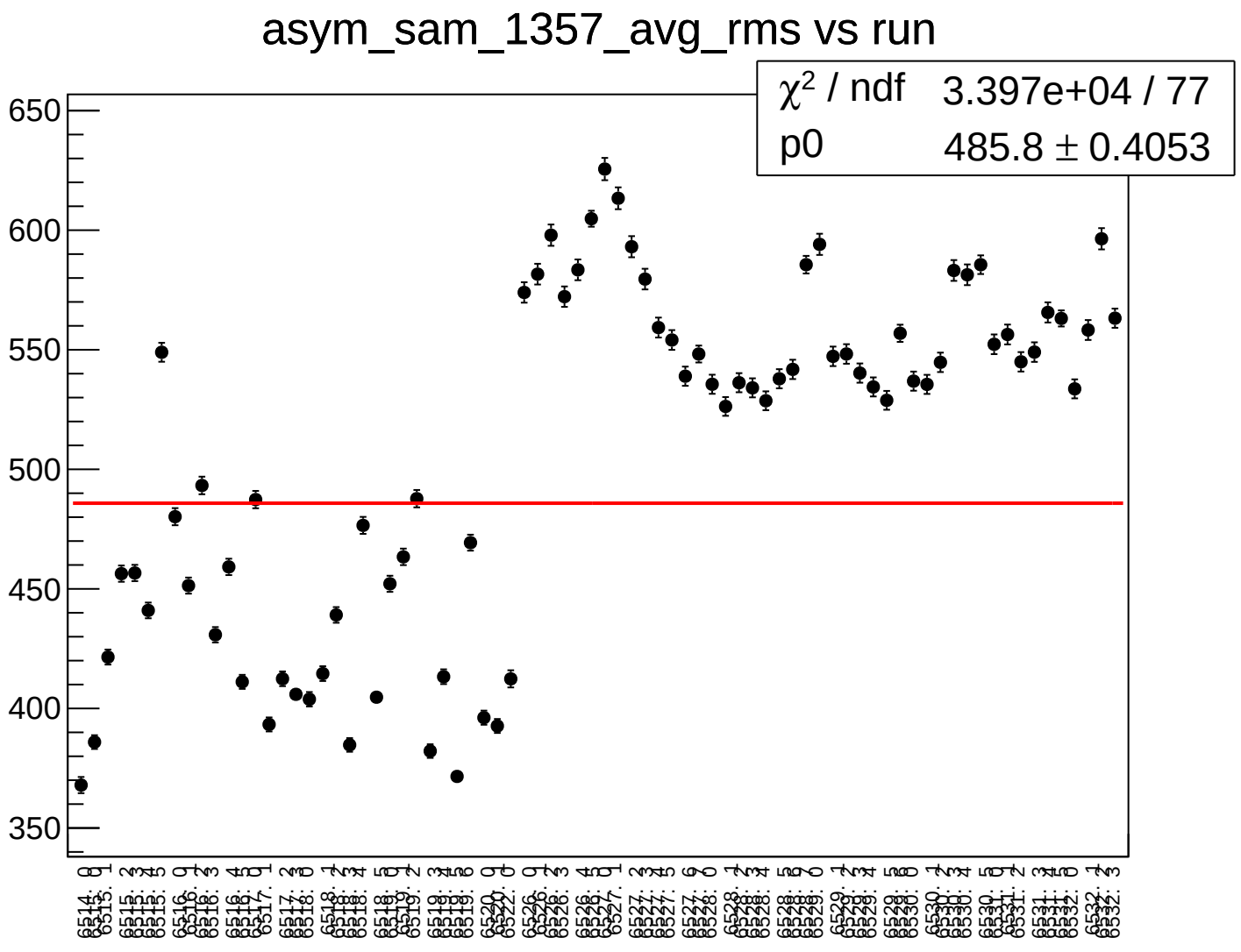

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 68.23 / 77
p0 −5.962 ± 600.1
pull
Entries 78
Mean −1861
Std Dev 1904

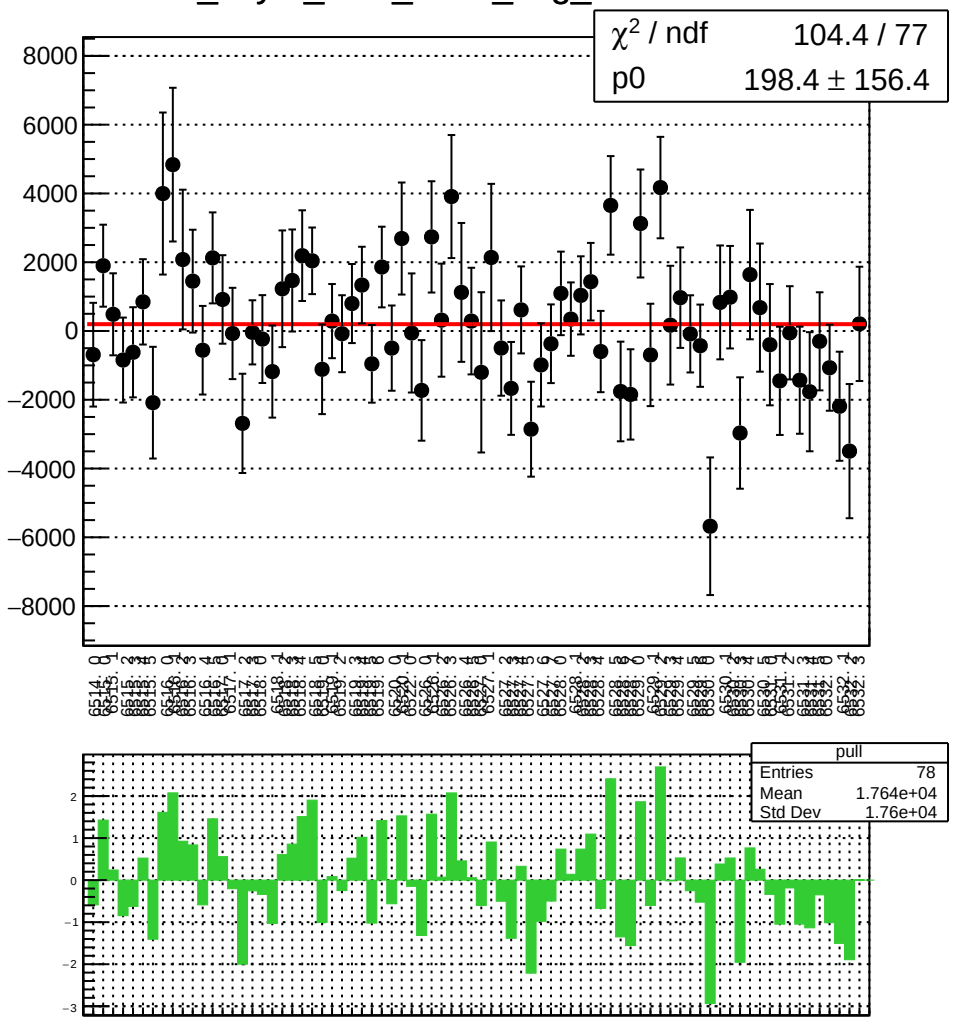

pull1D
Entries 78
Mean −0.001385
Std Dev 0.9353

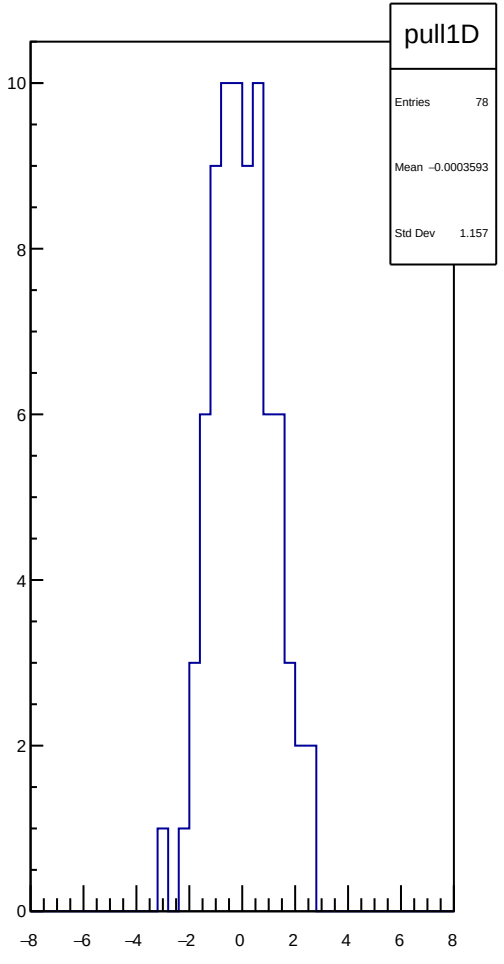

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 1.893e+04 / 77
p0 511.4 ± 0.4243
600
550
500
450
400

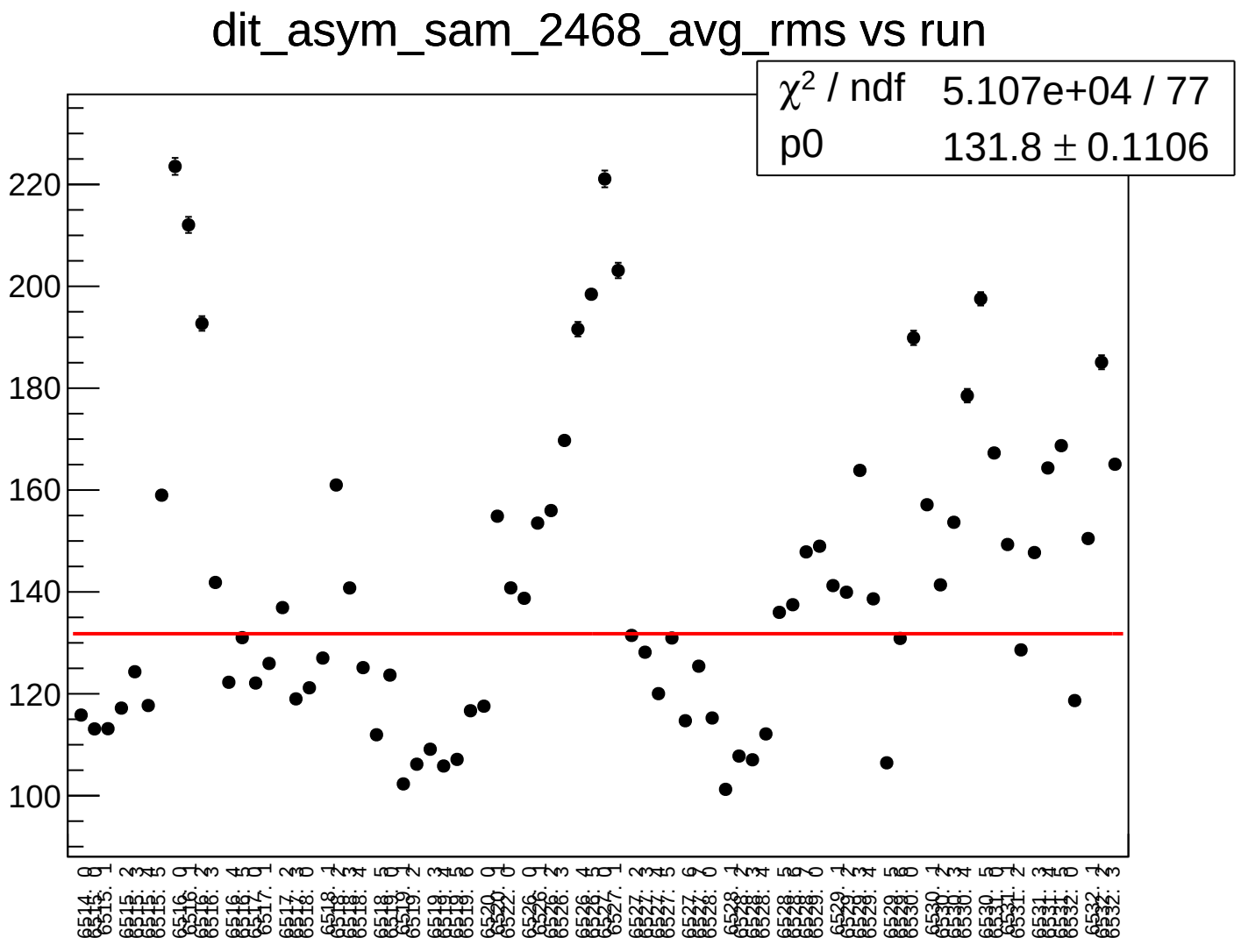

asym_sam_1357_avg_mean vs run
χ² / ndf 61.71 / 77
p0 282.5 ± 573.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 78
Mean 986.3
Std Dev 943.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

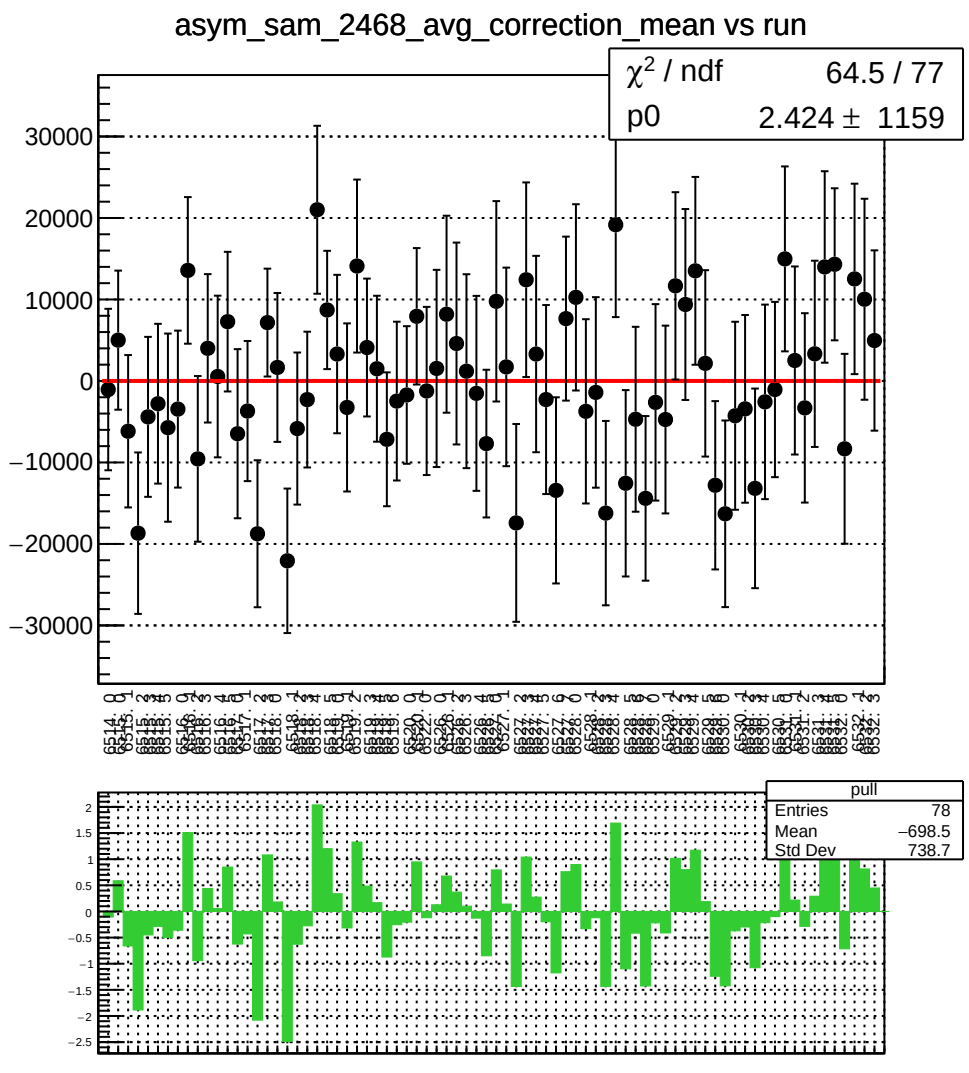

pull1D
Entries 78
Mean −0.003573
Std Dev 0.8895
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

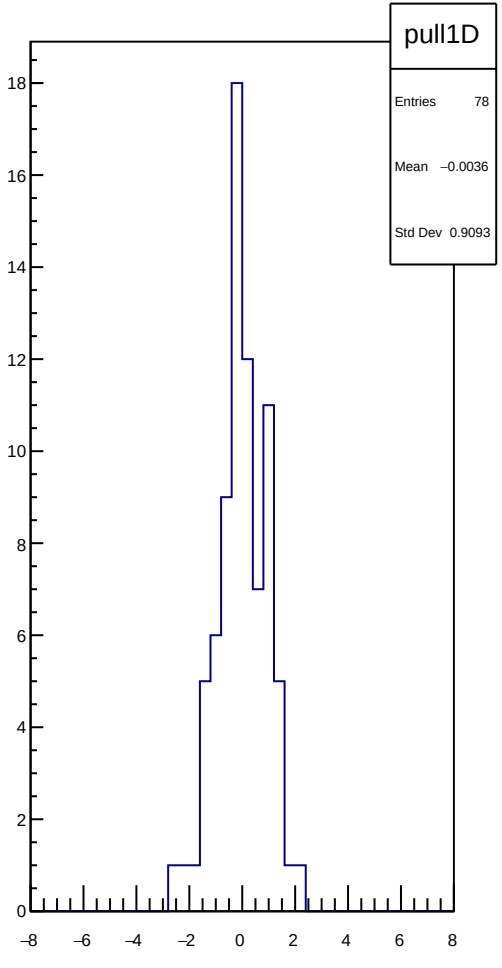

asym_sam_1357_avg_rms vs run
χ² / ndf 3.397e+04 / 77
p0 485.8 ± 0.4053
650
600
550
500
450
400
350

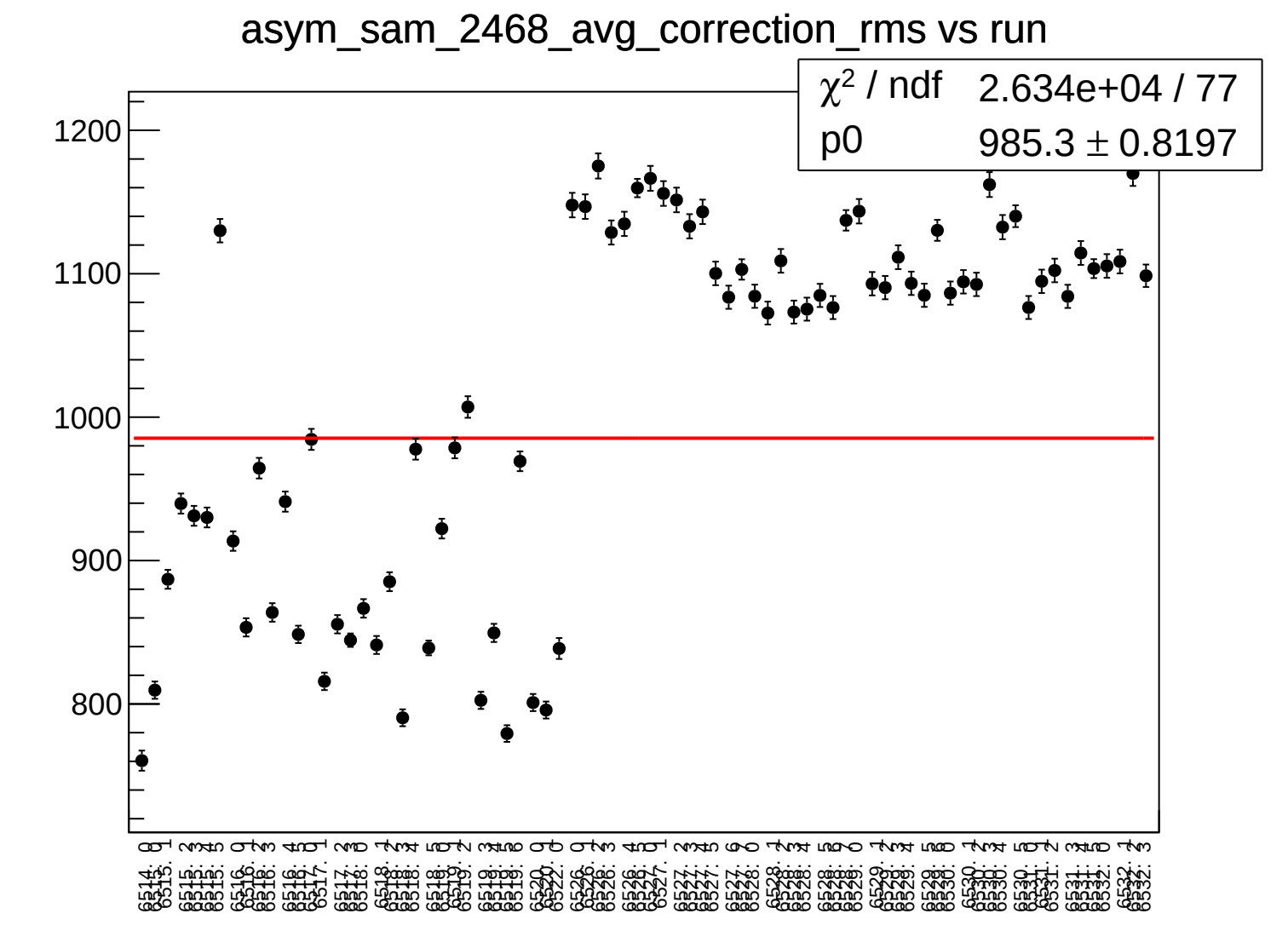

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 104.4 / 77
p0 198.4 ± 156.4
pull
Entries 78
Mean 1.764e+04
Std Dev 1.76e+04

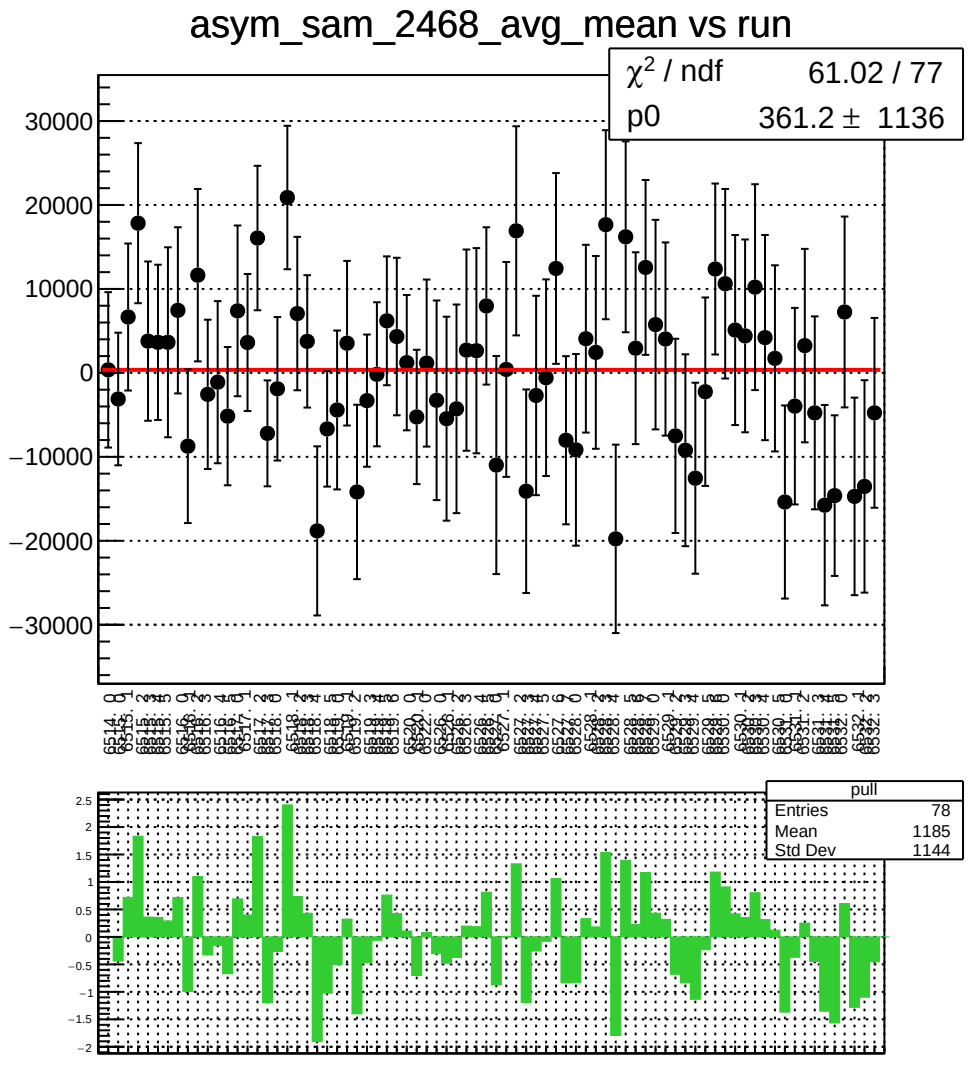

pull1D
Entries 78
Mean −0.0003593
Std Dev 1.157

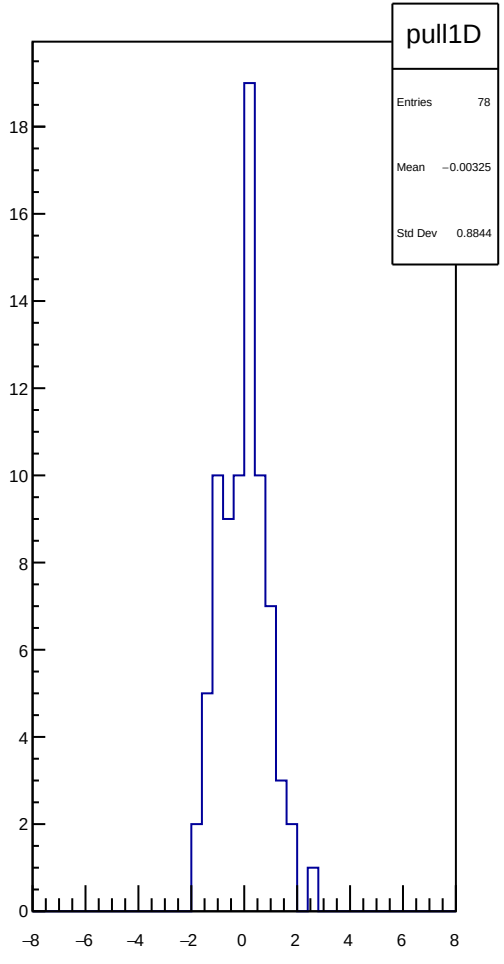

dit_asym_sam_2468_avg_rms vs run
χ^2 / ndf 5.107e+04 / 77
p0 131.8 ± 0.1106
220
200
180
160
140
120
100

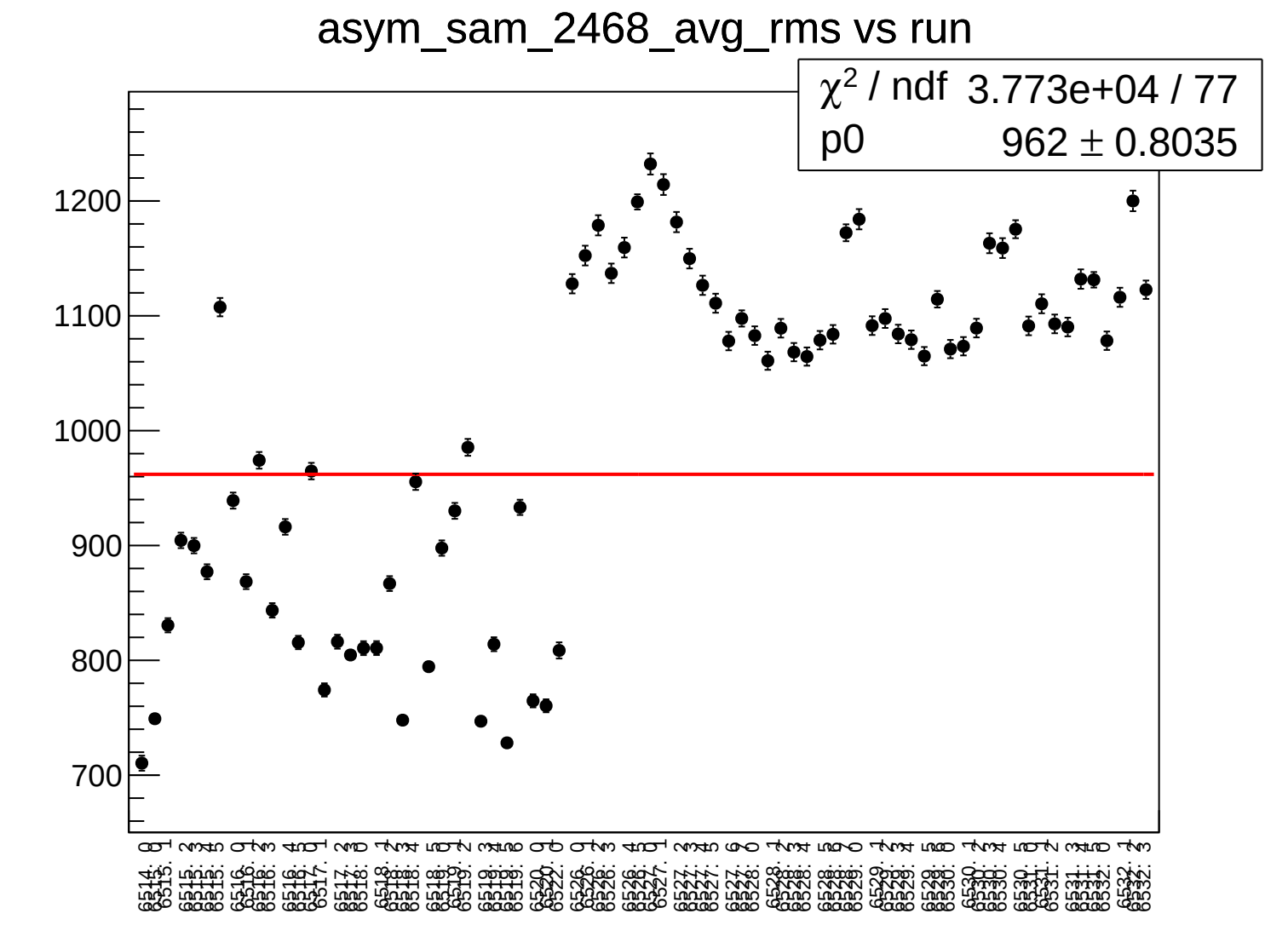

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 64.5 / 77
p0 2.424 ± 1159
pull
Entries 78
Mean −698.5
Std Dev 738.7

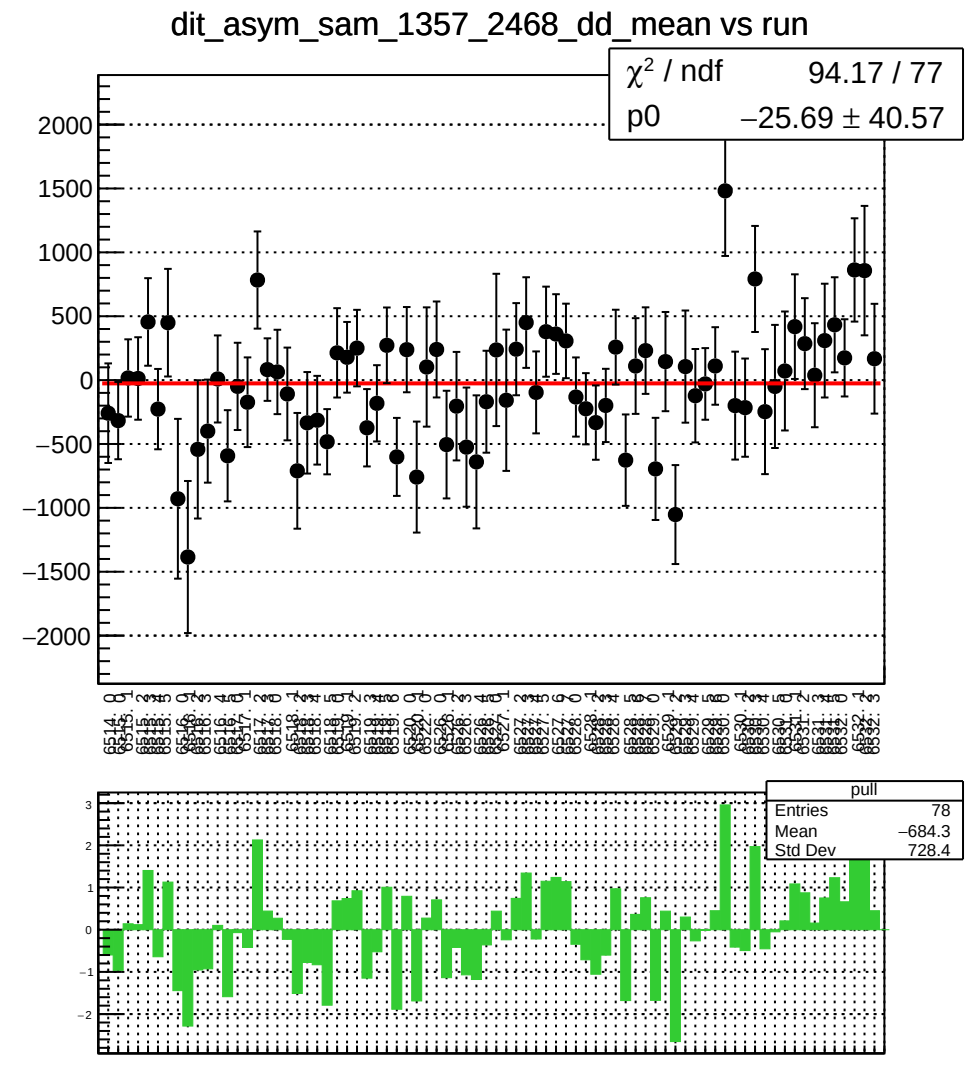

pull1D
Entries 78
Mean −0.0036
Std Dev 0.9093

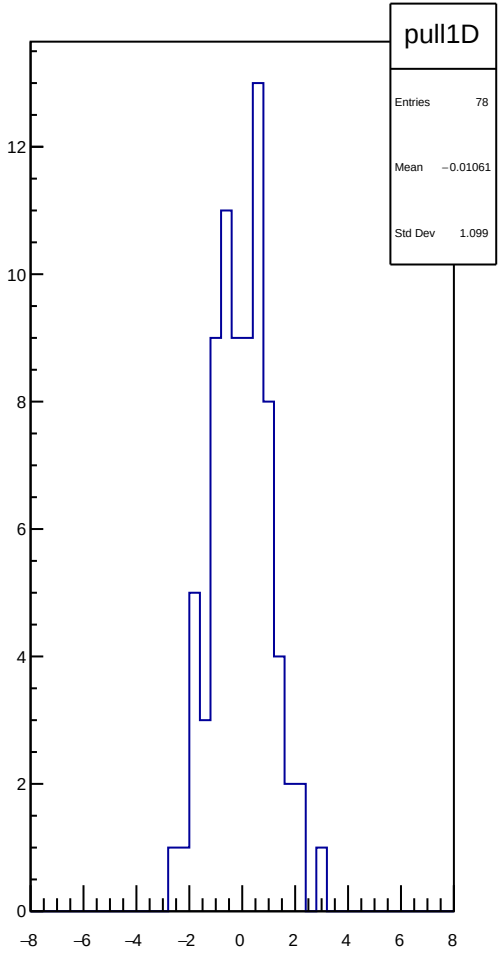

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 2.634e+04 / 77
p0 985.3 ± 0.8197
1200
1100
1000
900
800

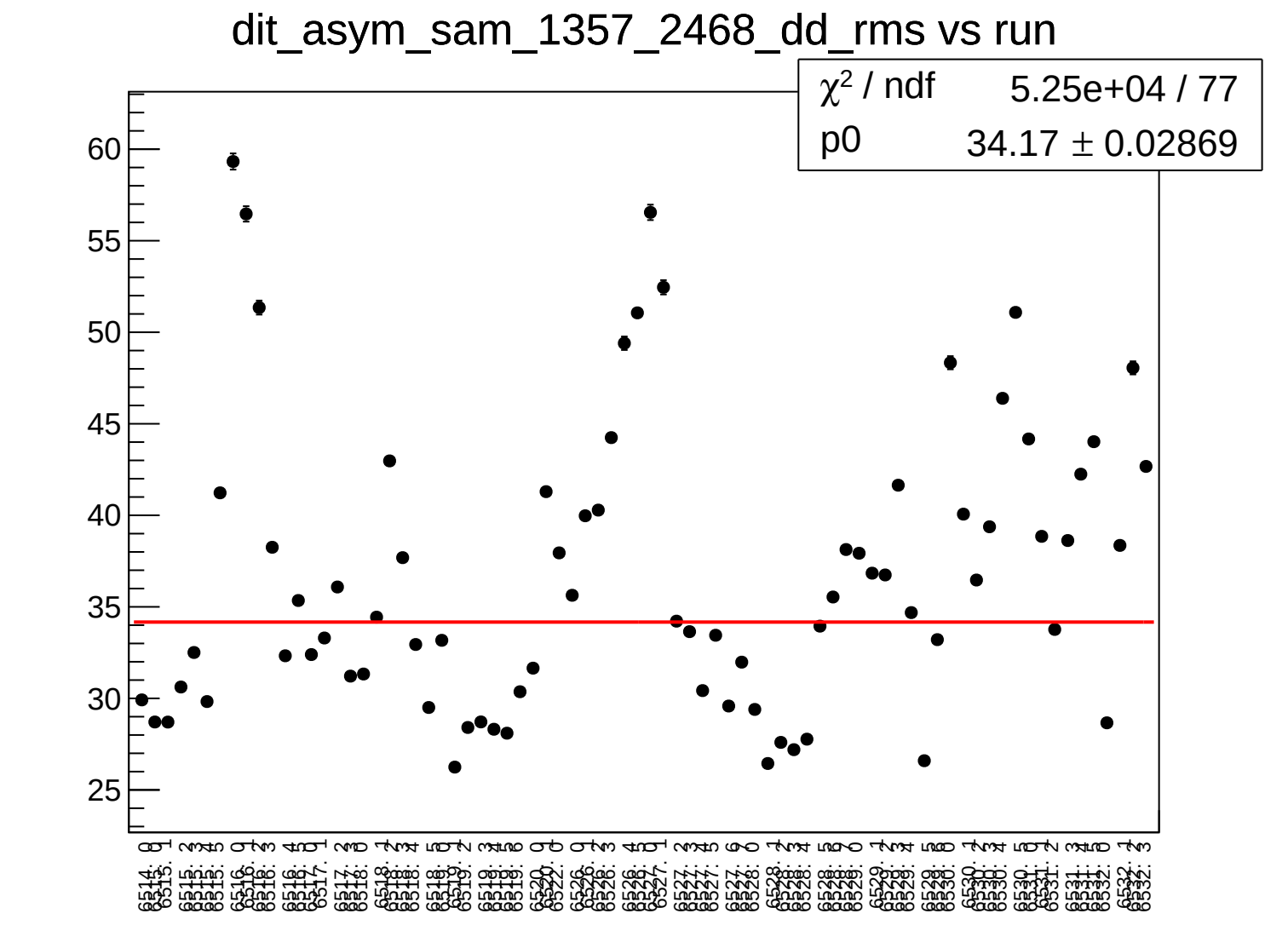

asym_sam_2468_avg_mean vs run
χ² / ndf 61.02 / 77
p0 361.2 ± 1136
pull
Entries 78
Mean 1185
Std Dev 1144

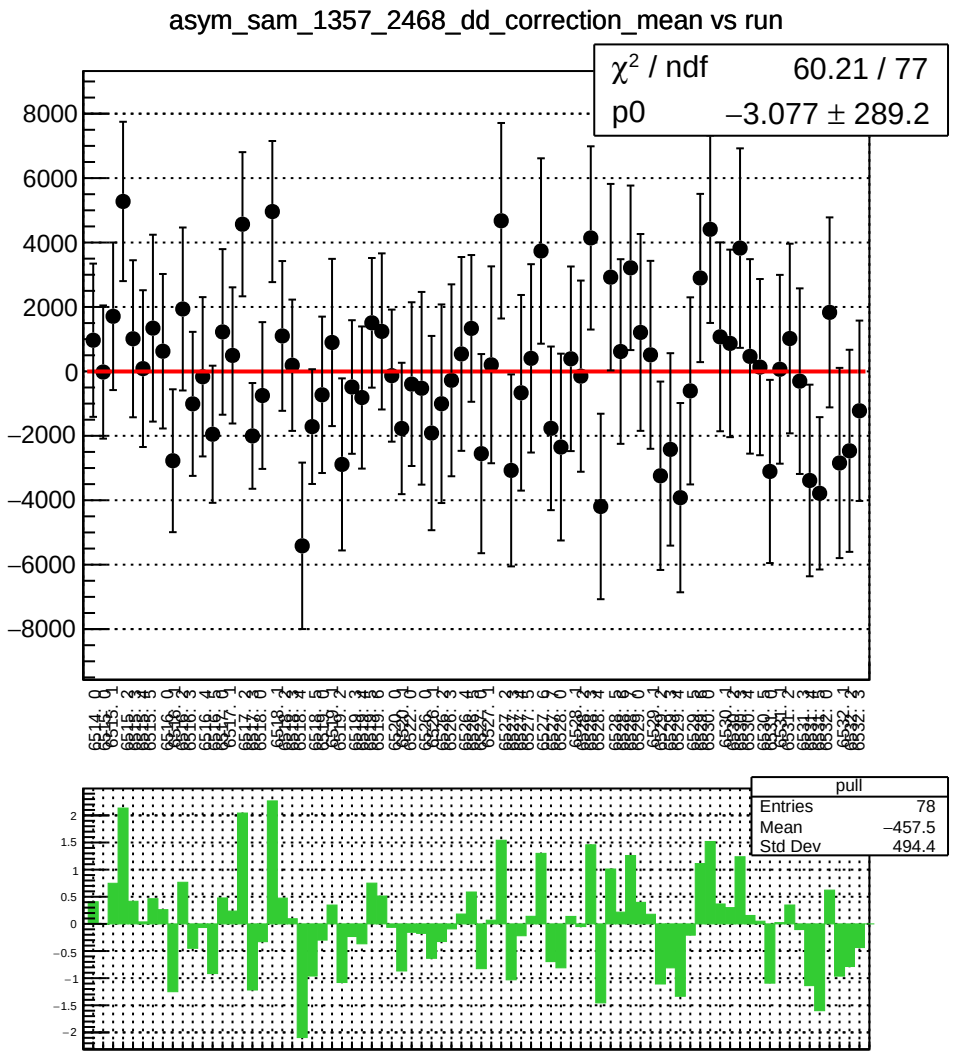

pull1D
Entries 78
Mean −0.00325
Std Dev 0.8844

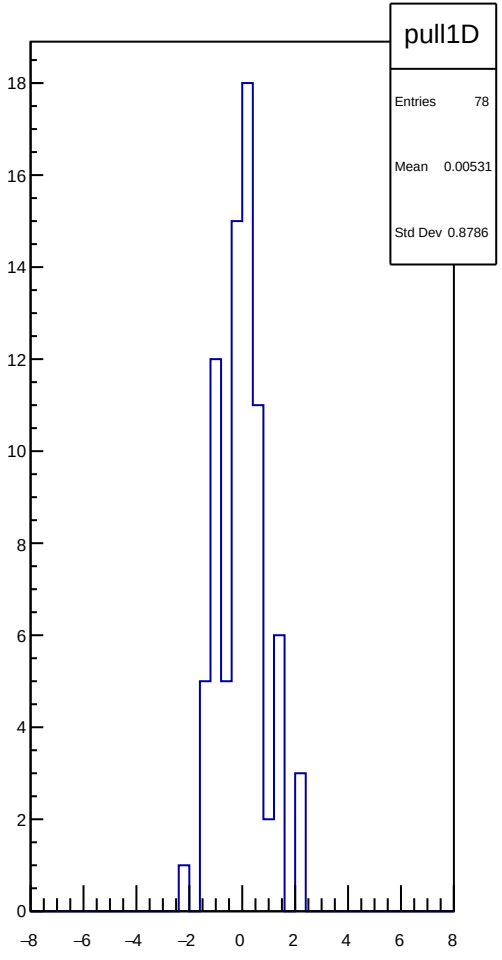

asym_sam_2468_avg_rms vs run
χ² / ndf 3.773e+04 / 77
p0 962 ± 0.8035
1200
1100
1000
900
800
700

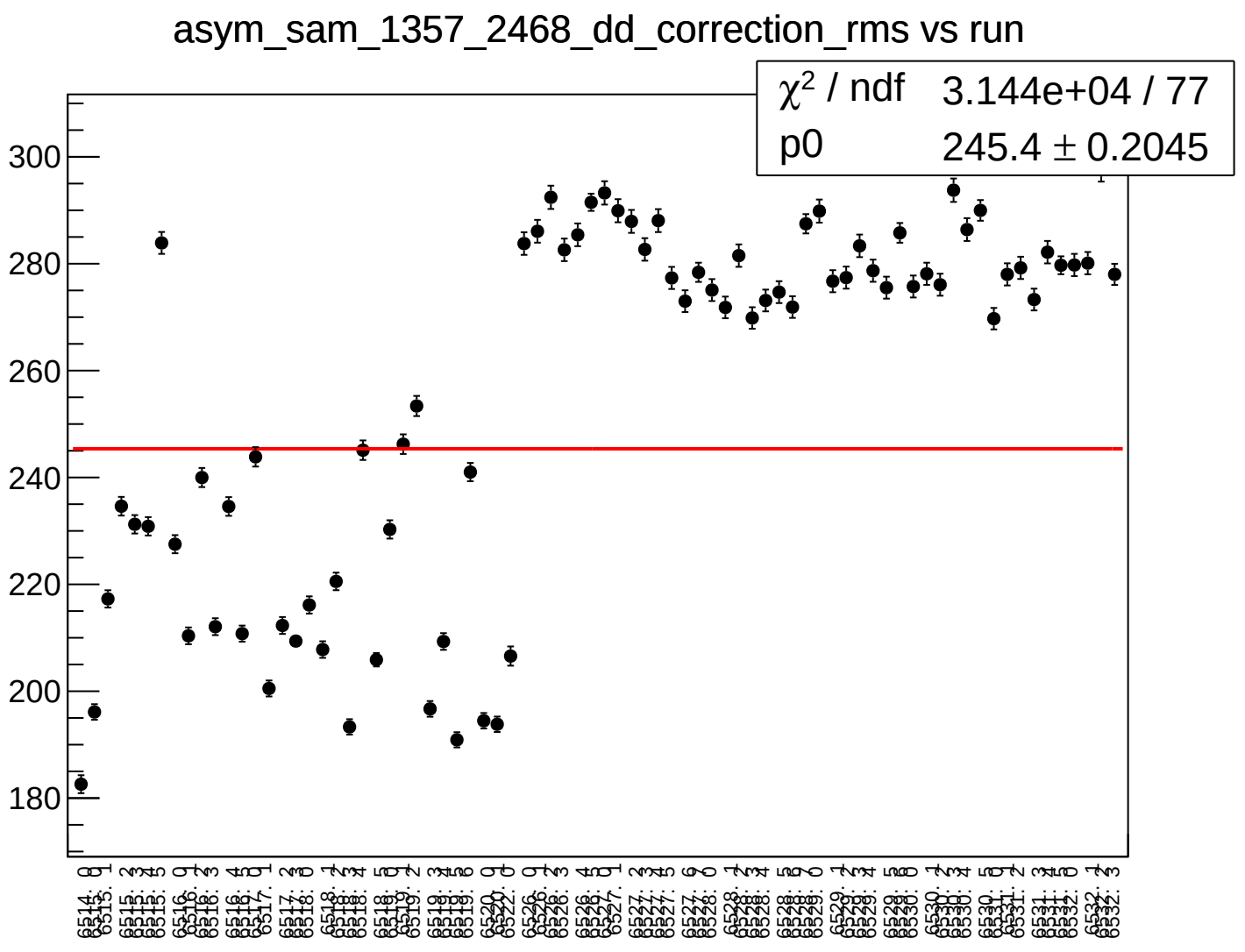

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 94.17 / 77
p0 −25.69 ± 40.57
pull
Entries 78
Mean −684.3
Std Dev 728.4

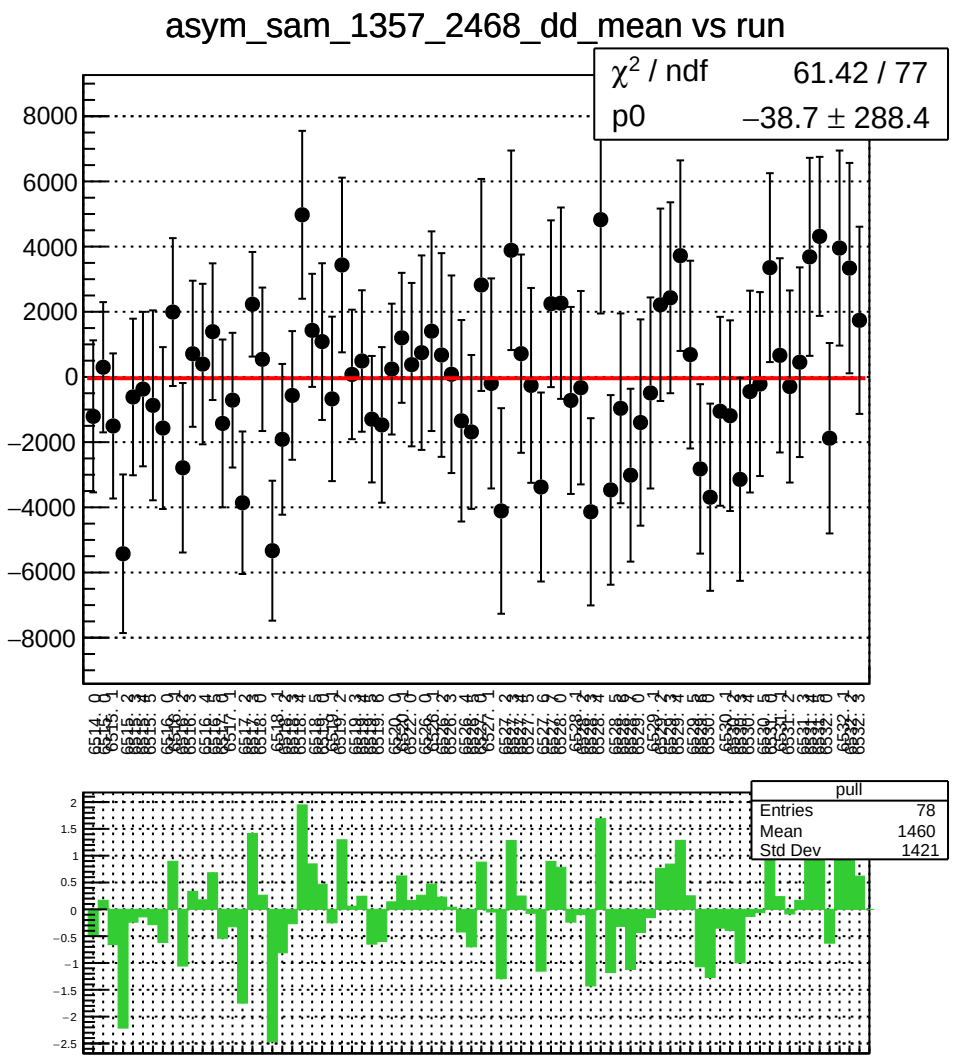

pull1D
Entries 78
Mean −0.01061
Std Dev 1.099

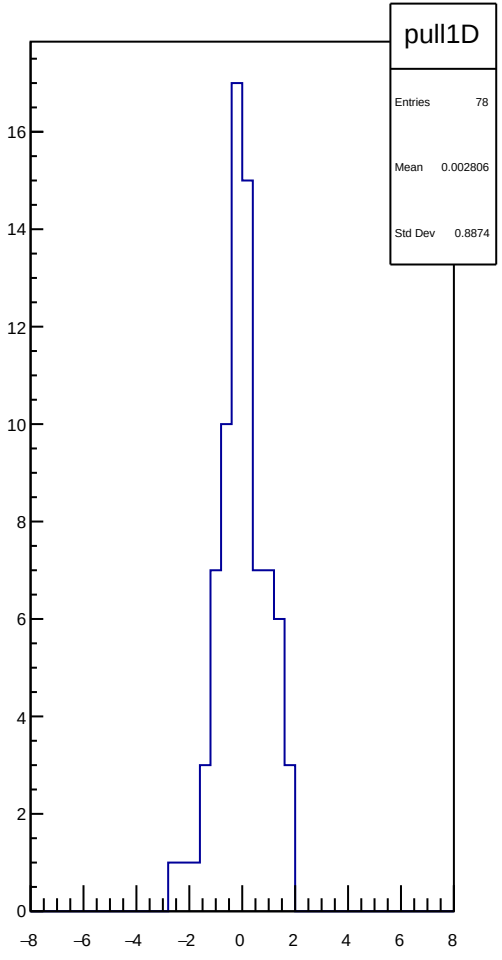

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 5.25e+04 / 77
p0 34.17 ± 0.02869
60
55
50
45
40
35
30
25

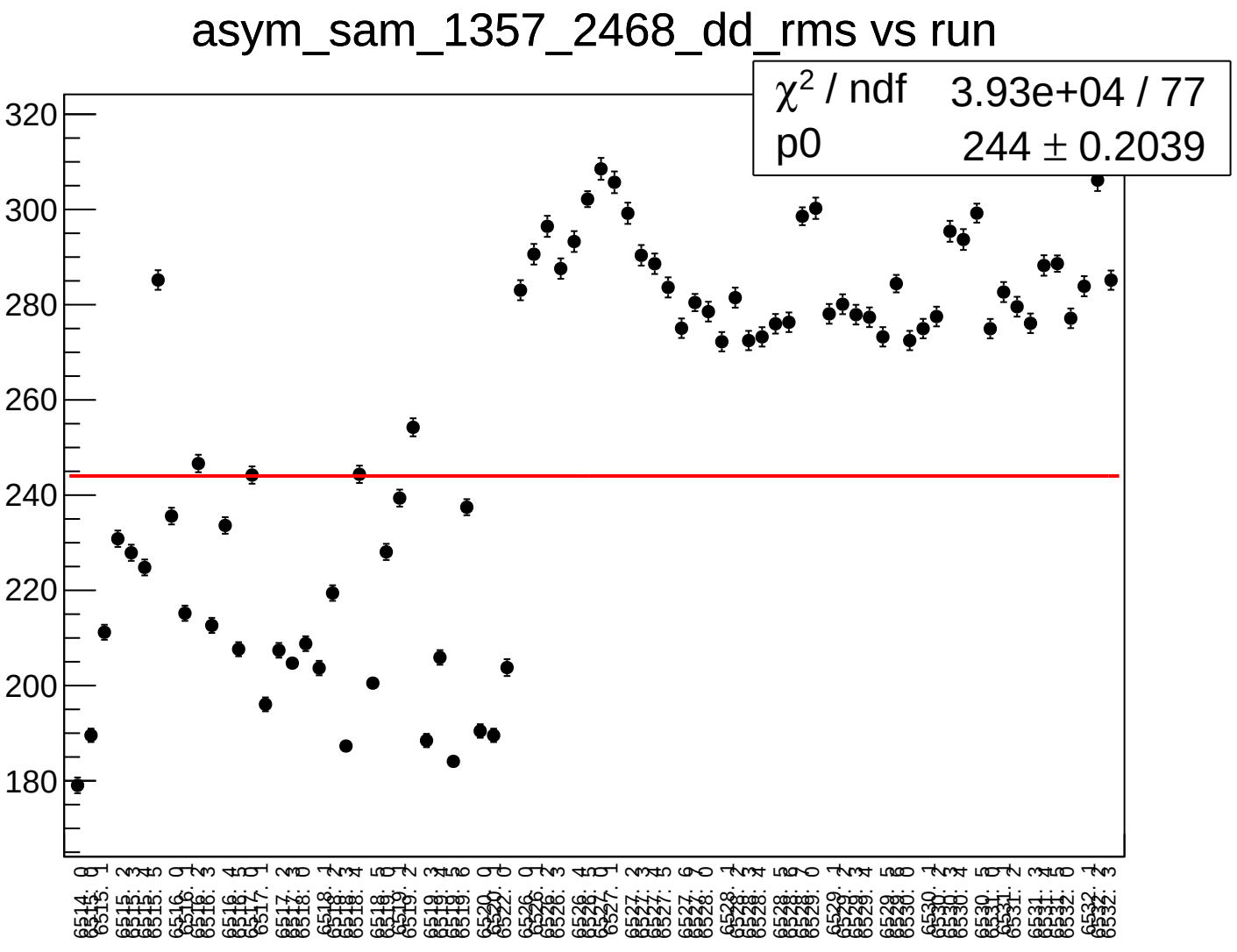

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 60.21 / 77
p0 −3.077 ± 289.2
pull
Entries 78
Mean −457.5
Std Dev 494.4

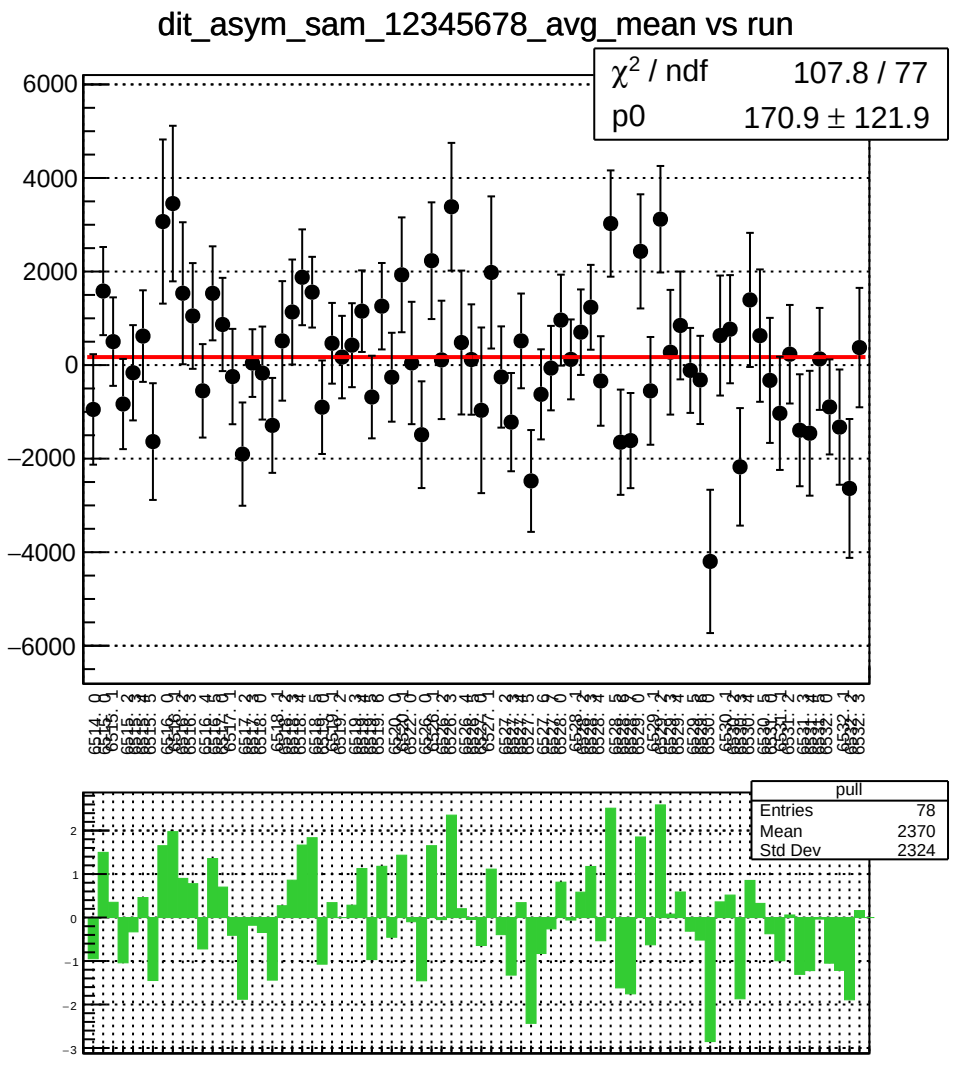

pull1D
Entries 78
Mean 0.00531
Std Dev 0.8786

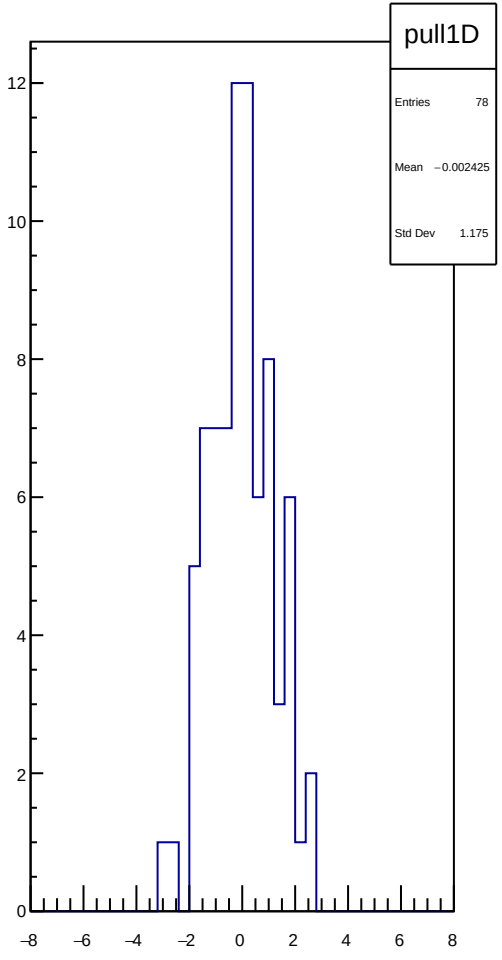

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 3.144e+04 / 77
p0 245.4 ± 0.2045
300
280
260
240
220
200
180

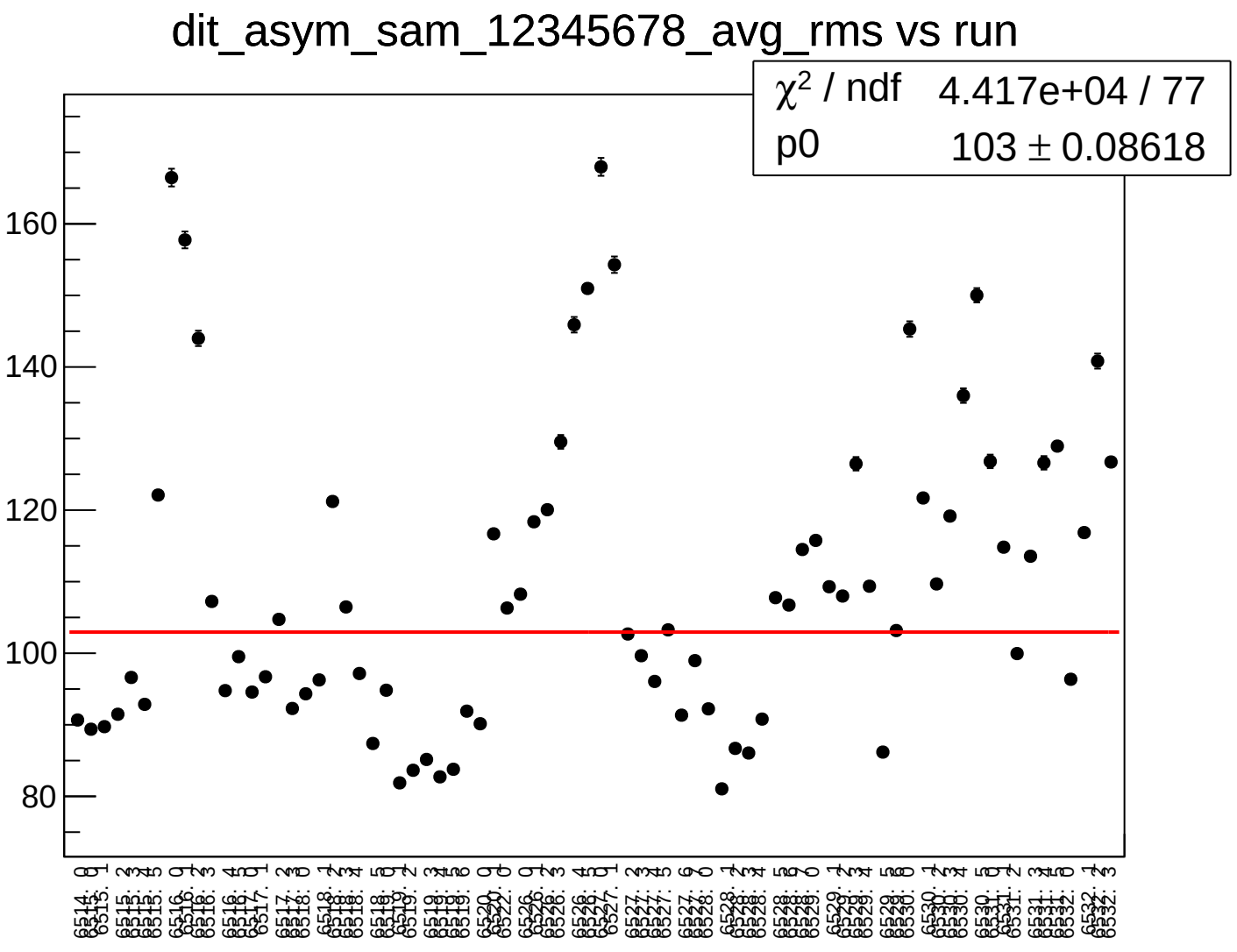

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 61.42 / 77
p0 −38.7 ± 288.4
pull
Entries 78
Mean 1460
Std Dev 1421

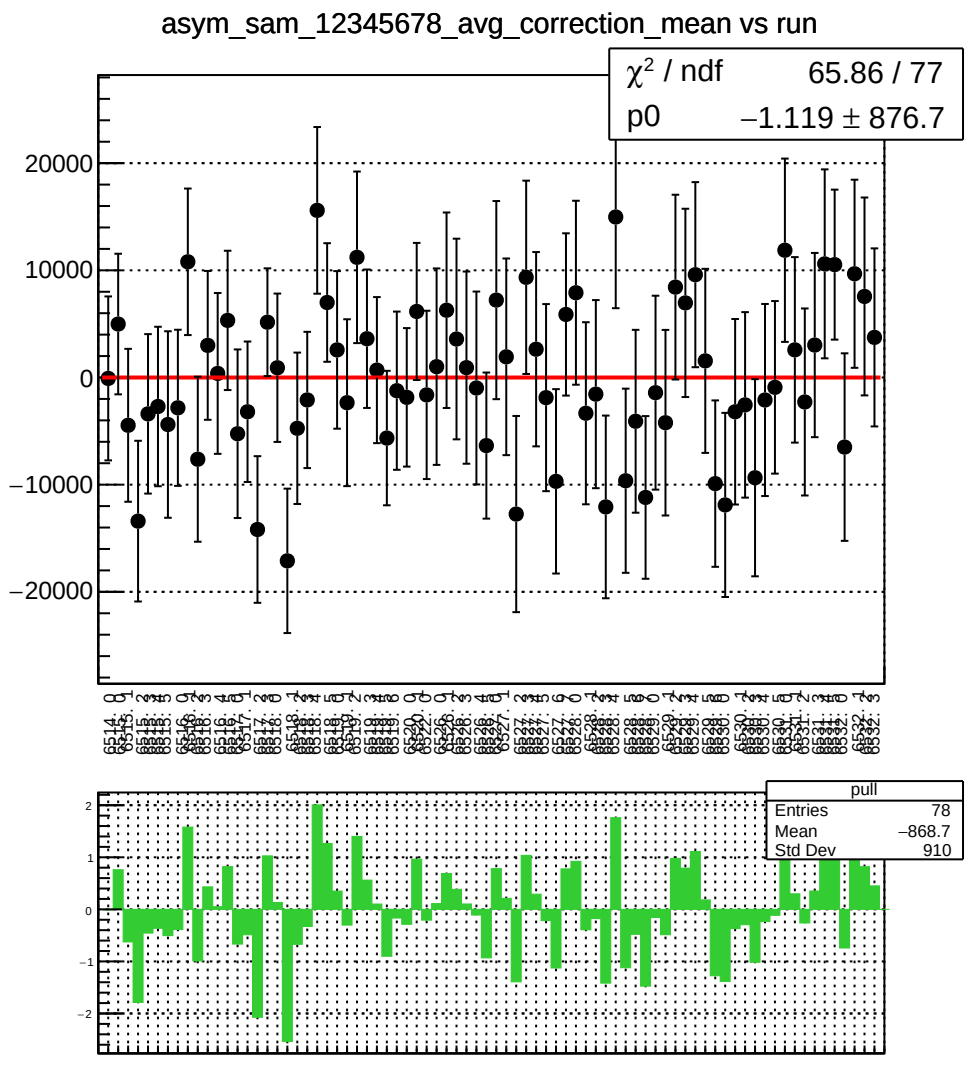

pull1D
Entries 78
Mean 0.002806
Std Dev 0.8874

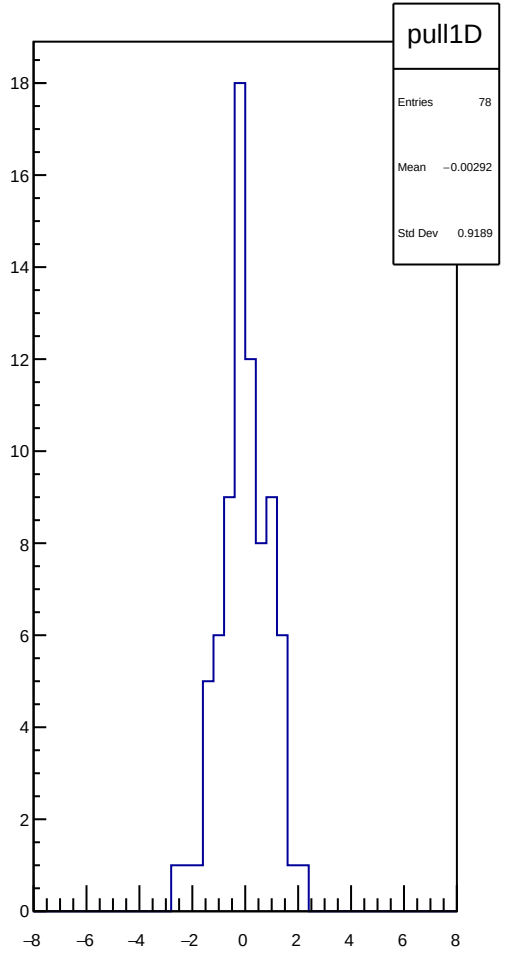

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 3.93e+04 / 77
p0 244 ± 0.2039
320
300
280
260
240
220
200
180

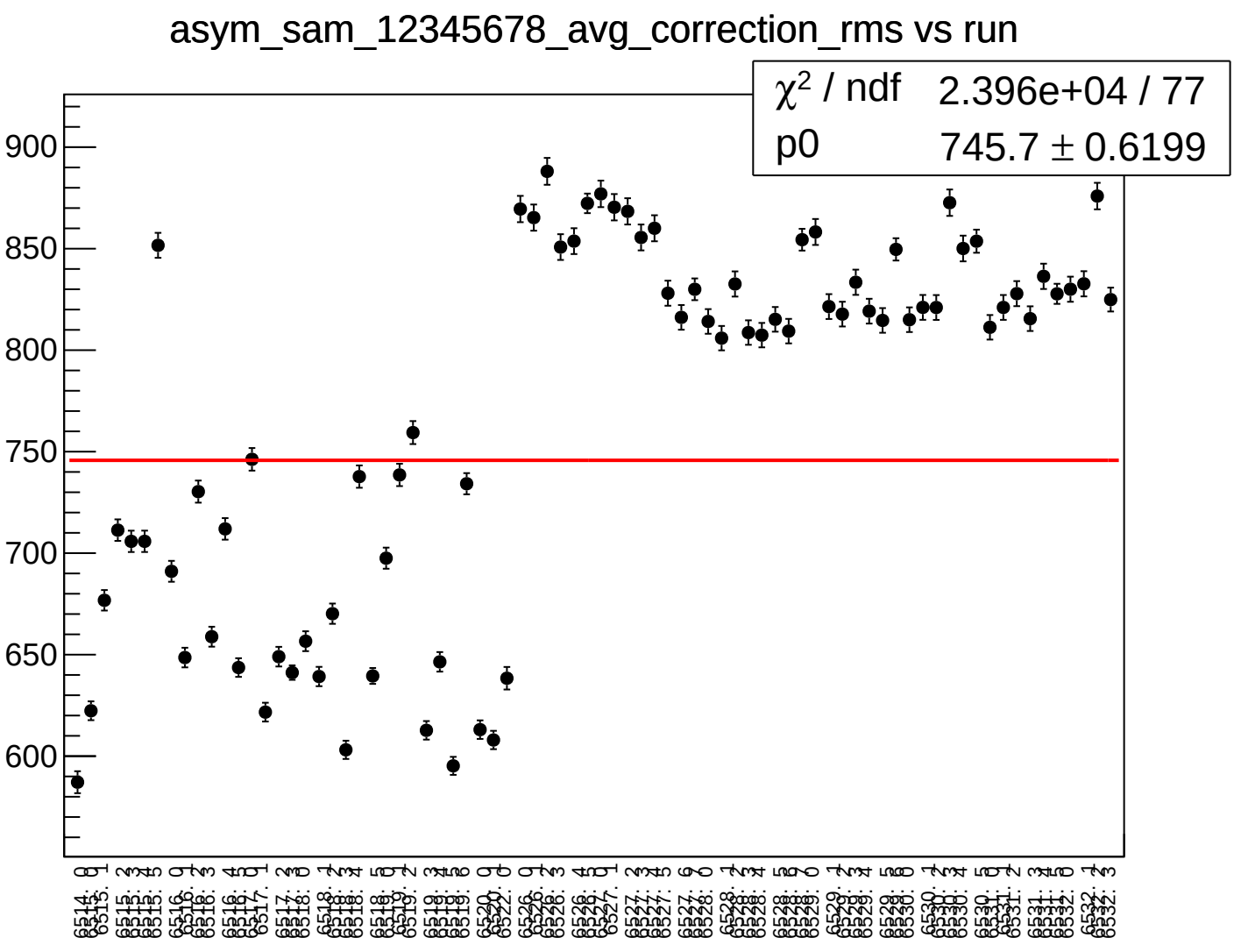

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 107.8 / 77
p0 170.9 ± 121.9
pull
Entries 78
Mean 2370
Std Dev 2324

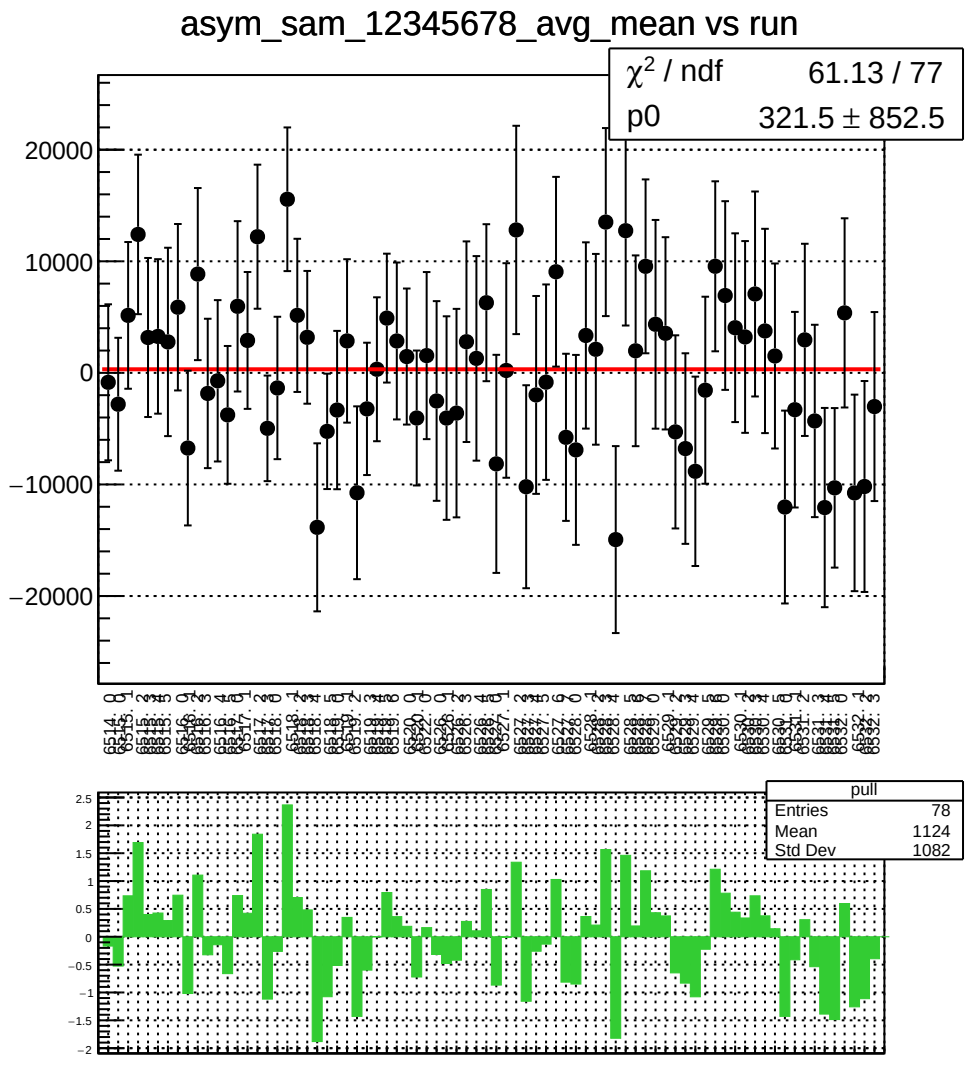

pull1D
Entries 78
Mean −0.002425
Std Dev 1.175

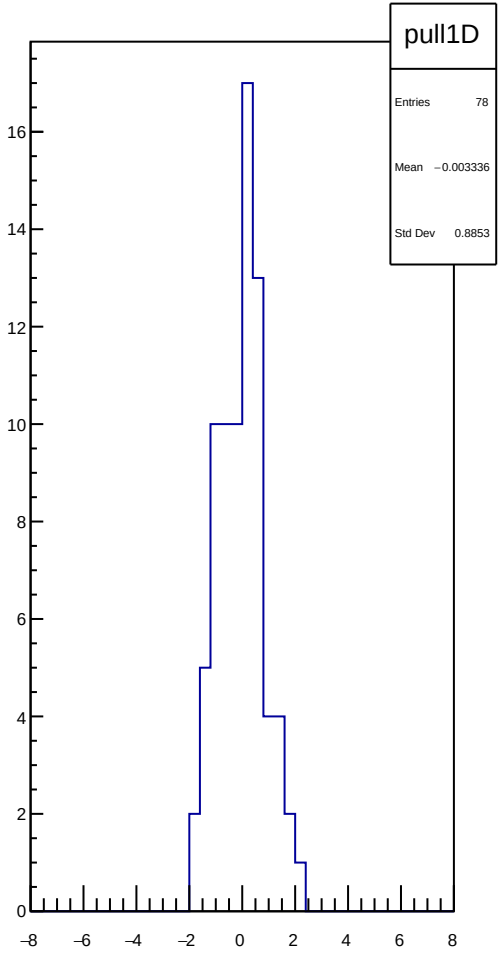

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 4.417e+04 / 77
p0 103 ± 0.08618
160
140
120
100
80

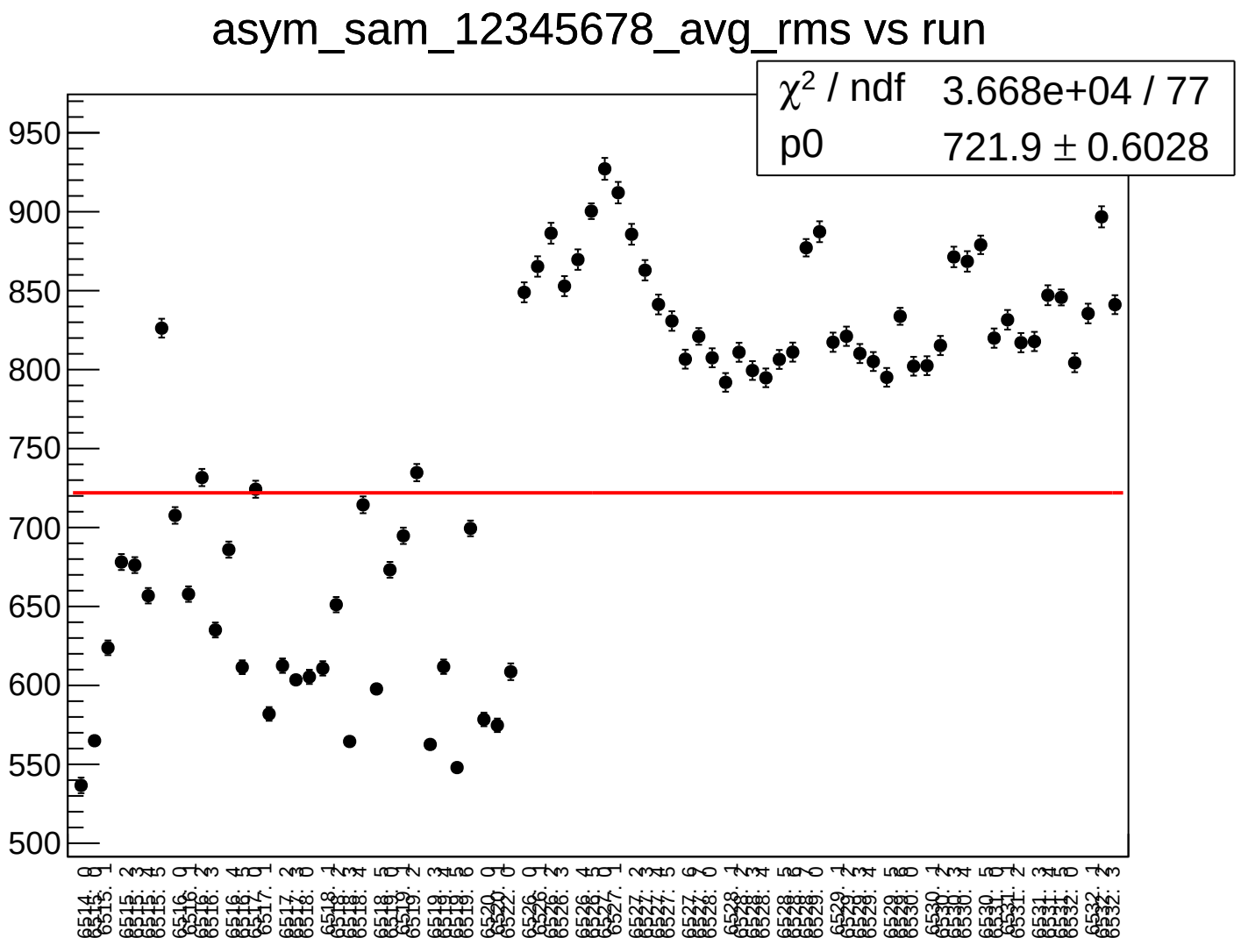

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 65.86 / 77
p0 −1.119 ± 876.7
20000
10000
0
−10000
−20000
pull
Entries 78
Mean −868.7
Std Dev 910
2
1
0
−1
−2

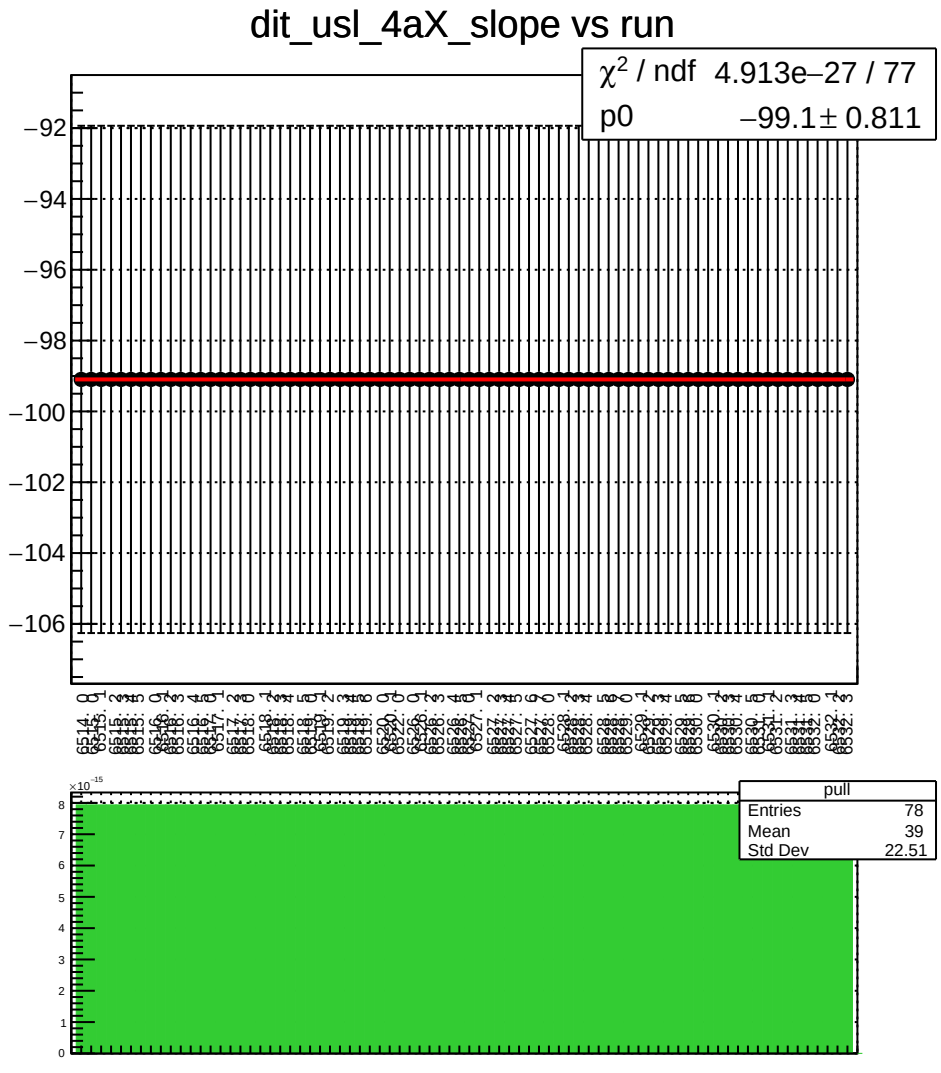

pull1D
Entries 78
Mean −0.00292
Std Dev 0.9189
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

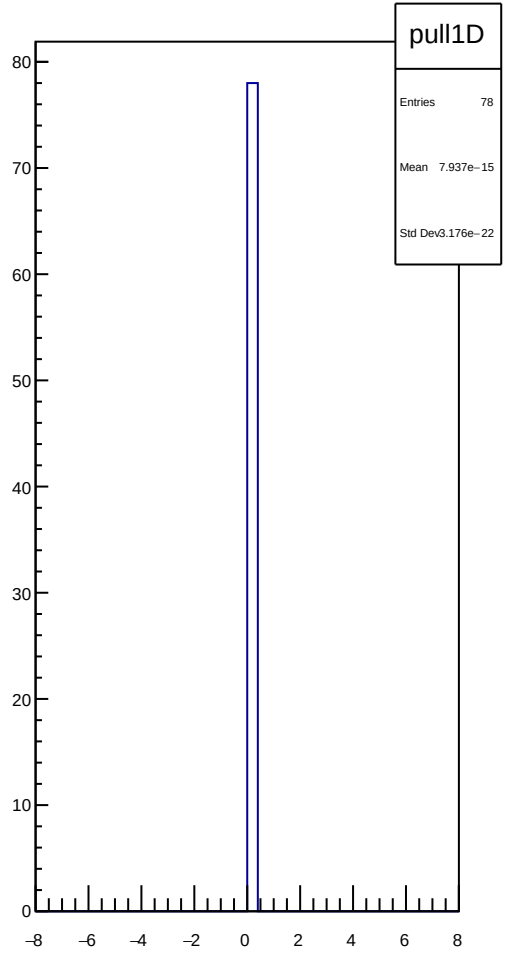

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 2.396e+04 / 77
p0 745.7 ± 0.6199
900
850
800
750
700
650
600

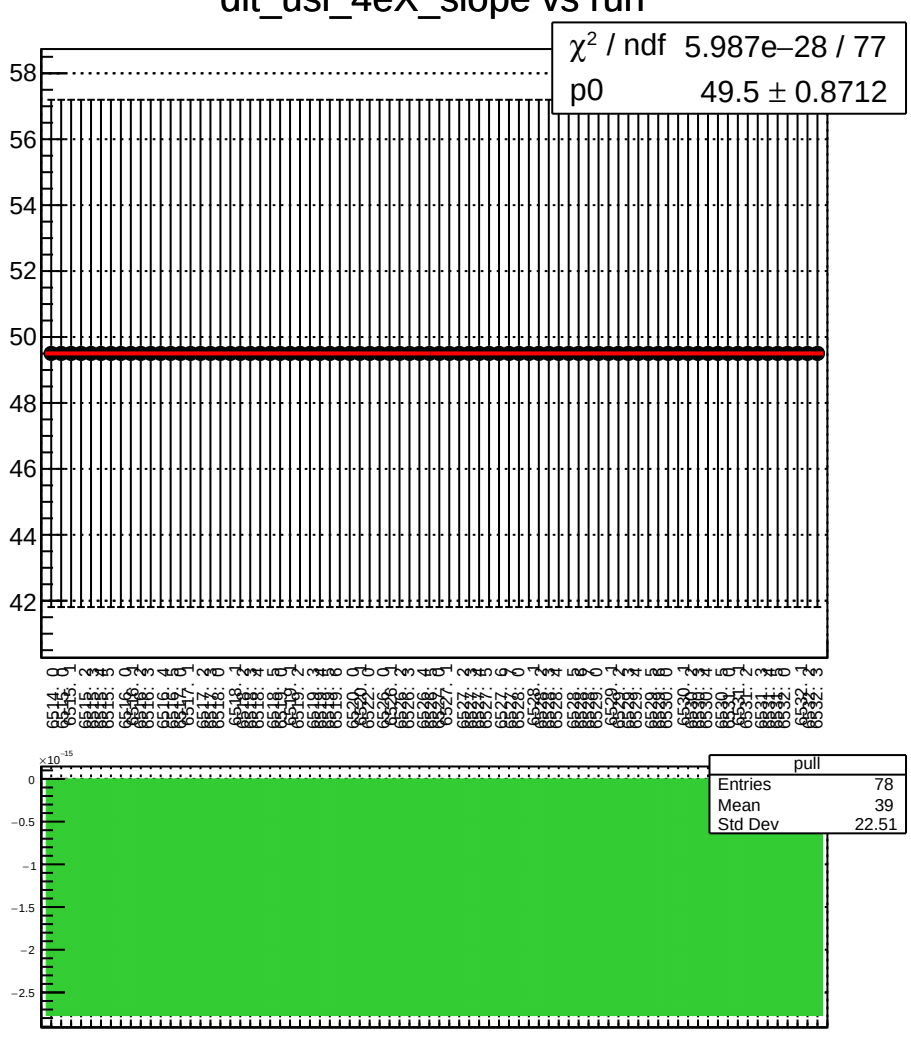

asym_sam_12345678_avg_mean vs run
χ² / ndf 61.13 / 77
p0 321.5 ± 852.5
20000
10000
0
−10000
−20000
pull
Entries 78
Mean 1124
Std Dev 1082
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

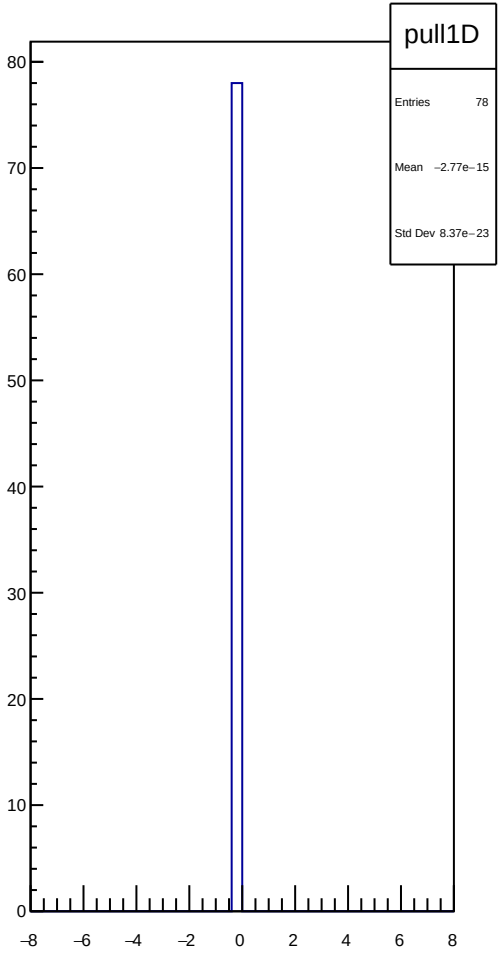

pull1D
Entries 78
Mean −0.003336
Std Dev 0.8853
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

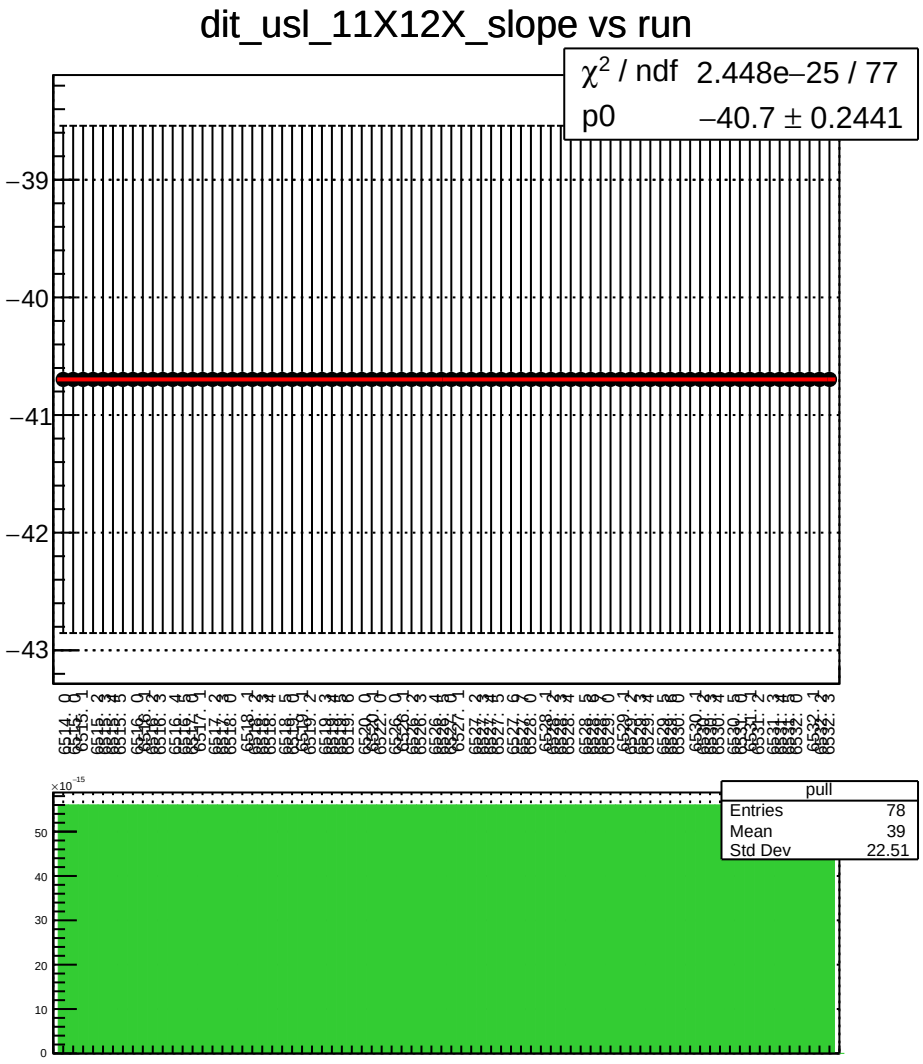

asym_sam_12345678_avg_rms vs run
χ² / ndf 3.668e+04 / 77
p0 721.9 ± 0.6028
950
900
850
800
750
700
650
600
550
500

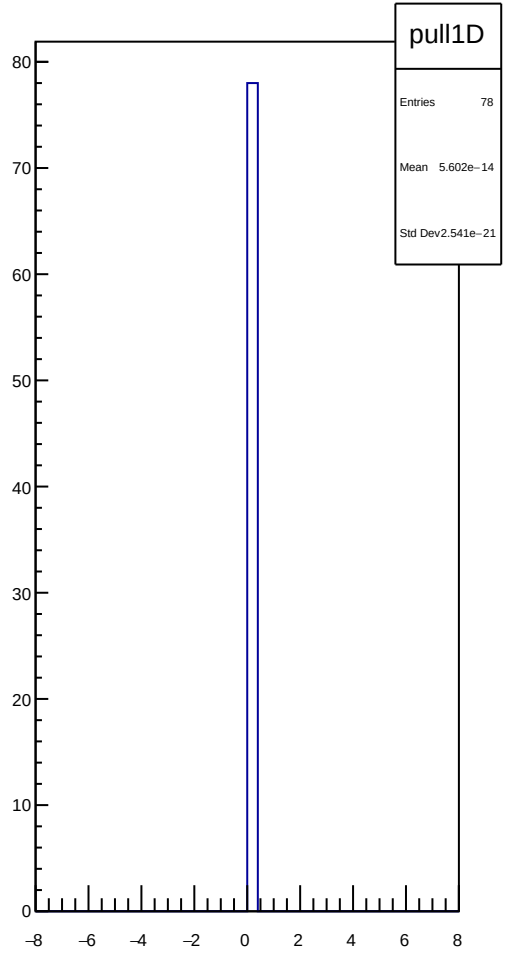

dit_usl_4aX_slope vs run
χ² / ndf 4.913e−27 / 77
p0 −99.1 ± 0.811
−92
−94
−96
−98
−100
−102
−104
−106
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
8
7
6
5
4
3
2
1
0

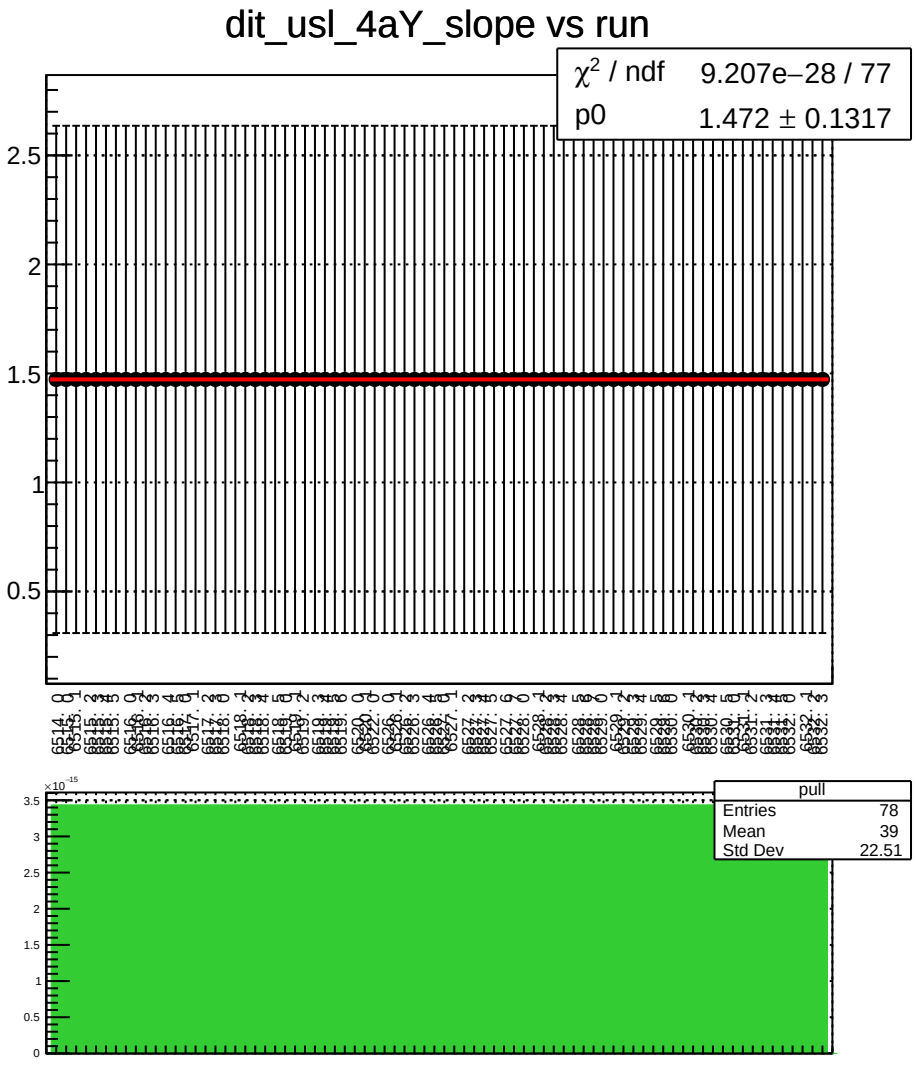

pull1D
Entries 78
Mean 7.937e−15
Std Dev 3.176e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

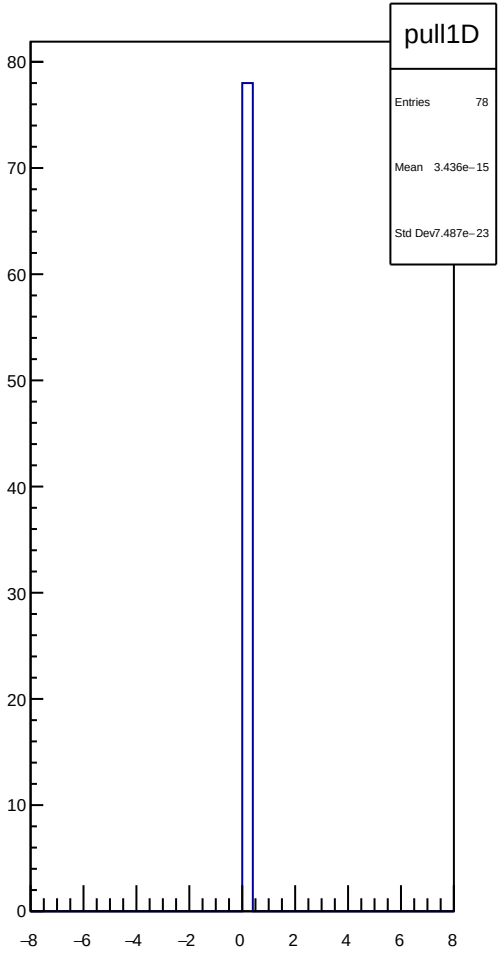

dit_usl_4eX_slope vs run
χ² / ndf 5.987e−28 / 77
p0 49.5 ± 0.8712
pull
Entries 78
Mean 39
Std Dev 22.51

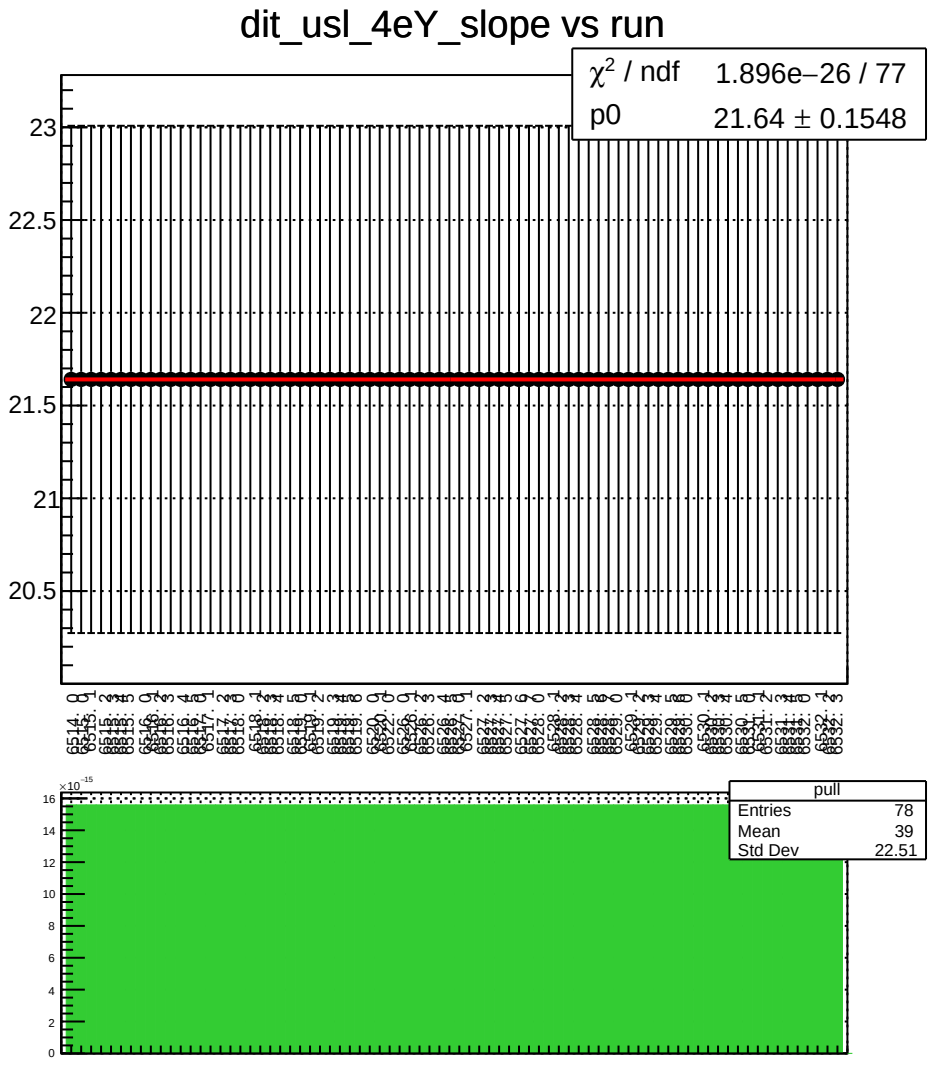

pull1D
Entries 78
Mean −2.77e−15
Std Dev 8.37e−23

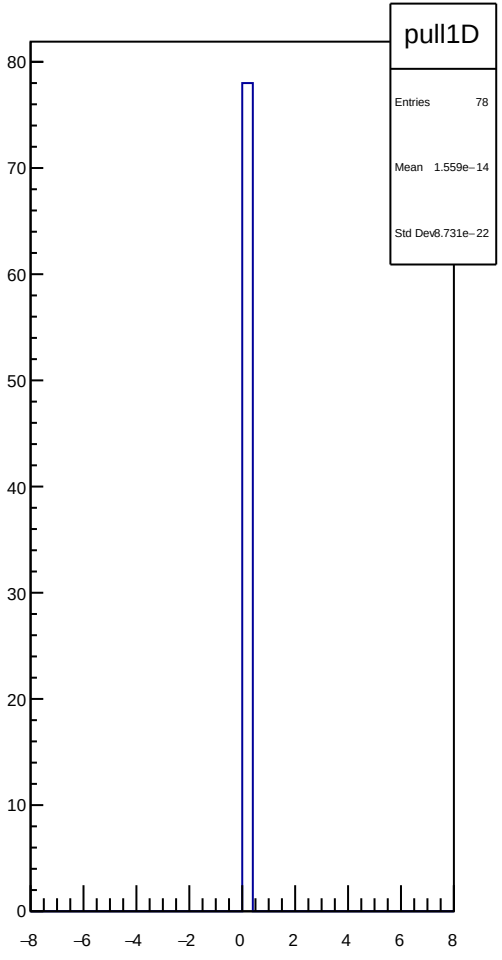

dit_usl_11X12X_slope vs run
χ² / ndf 2.448e−25 / 77
p0 −40.7 ± 0.2441
−39
−40
−41
−42
−43
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
50
40
30
20
10
0

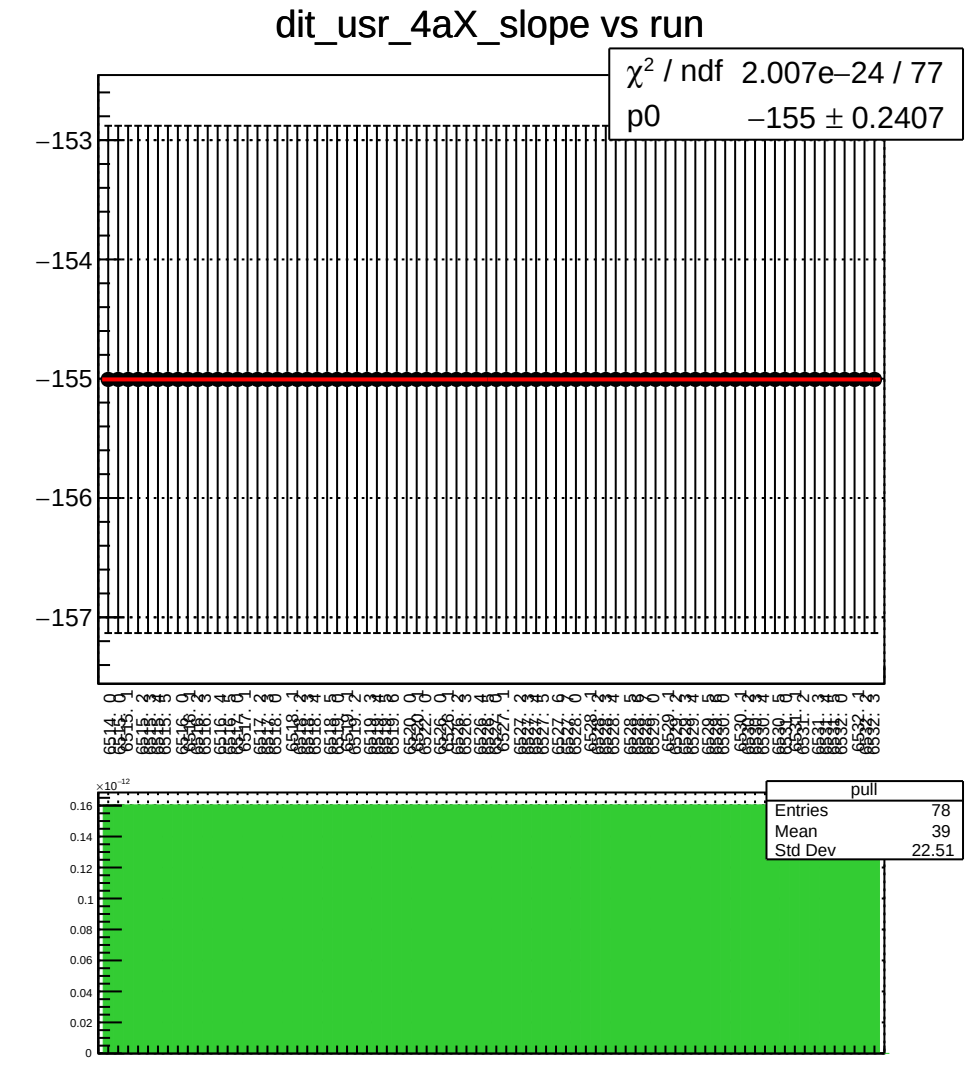

pull1D
Entries 78
Mean 5.602e−14
Std Dev2.541e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

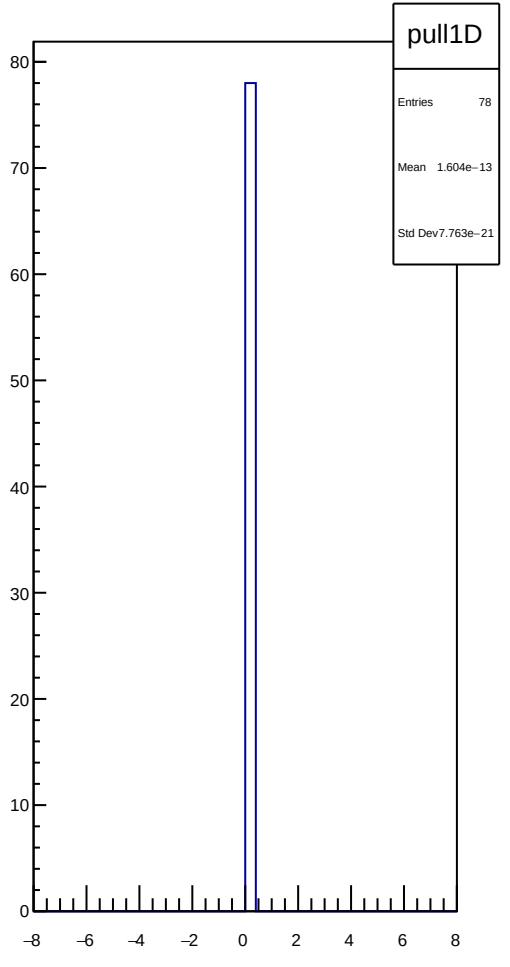

dit_usl_4aY_slope vs run
χ² / ndf 9.207e−28 / 77
p0 1.472 ± 0.1317
pull
Entries 78
Mean 39
Std Dev 22.51

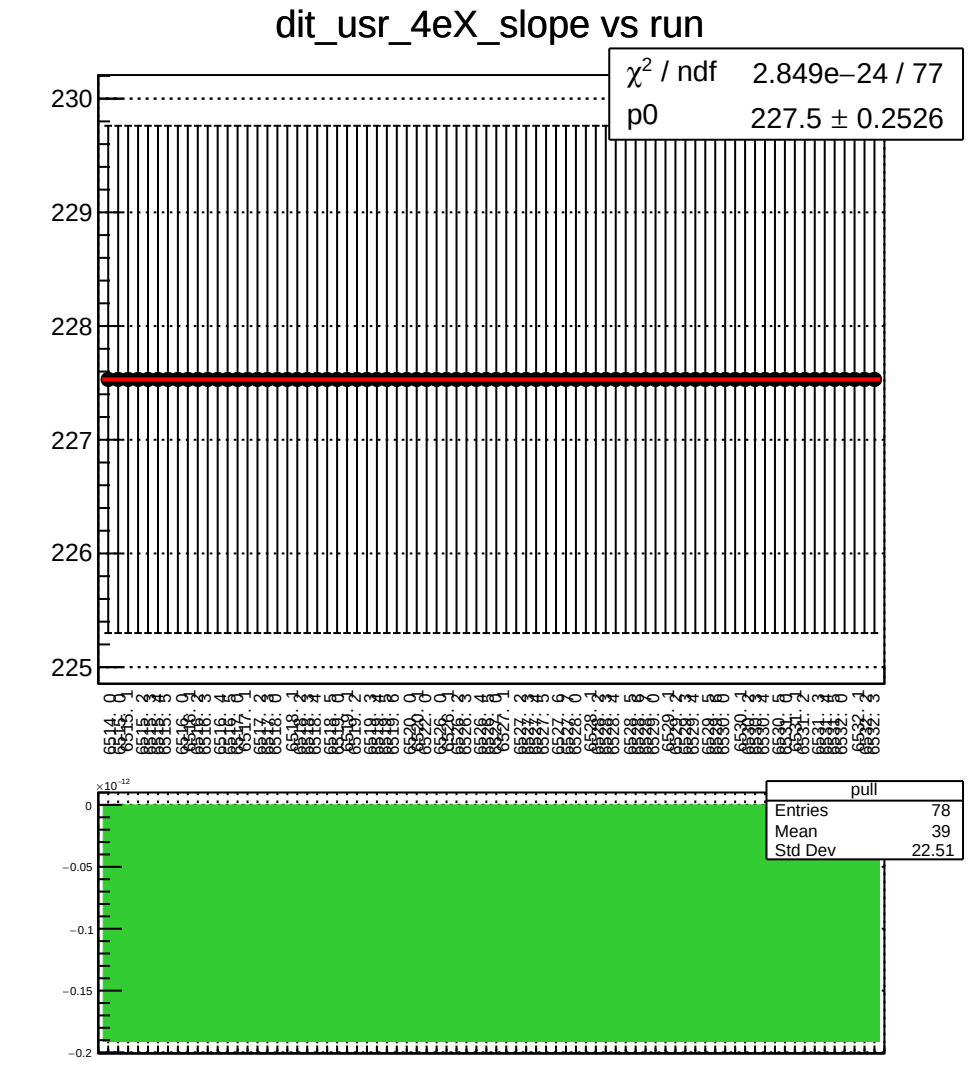

pull1D
Entries 78
Mean 3.436e−15
Std Dev7.487e−23

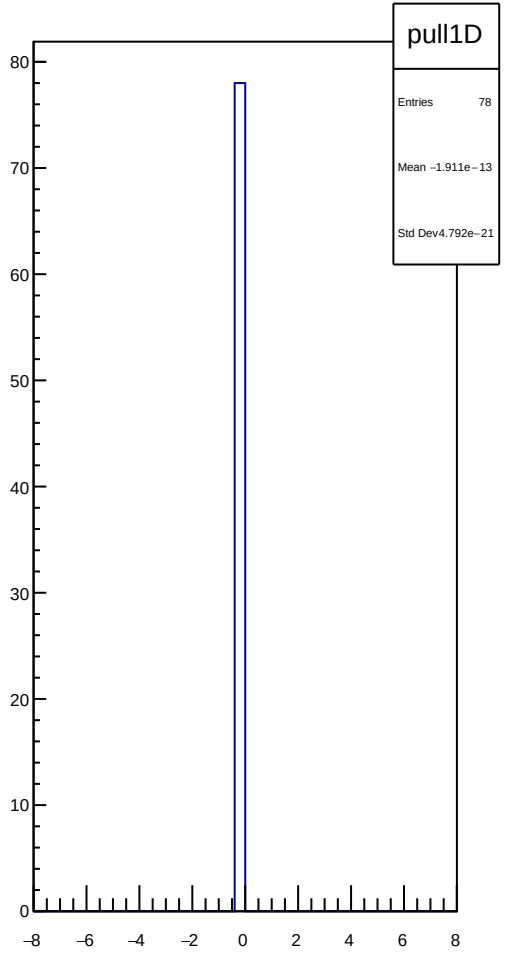

dit_usl_4eY_slope vs run
χ^2 / ndf 1.896e−26 / 77
p0 21.64 ± 0.1548
23
22.5
22
21.5
21
20.5
pull
Entries 78
Mean 39
Std Dev 22.51
×10^-15
16
14
12
10
8
6
4
2
0

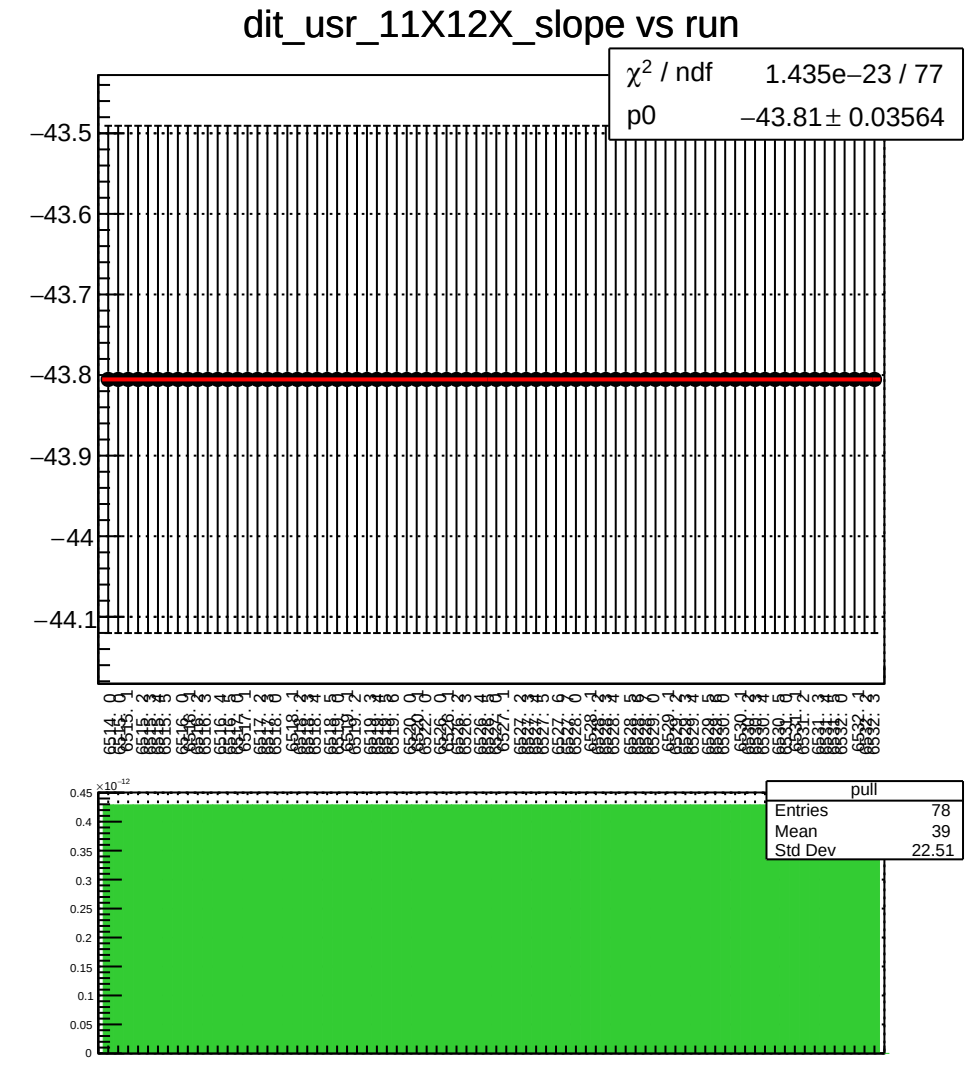

pull1D
Entries 78
Mean 1.559e−14
Std Dev 8.731e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

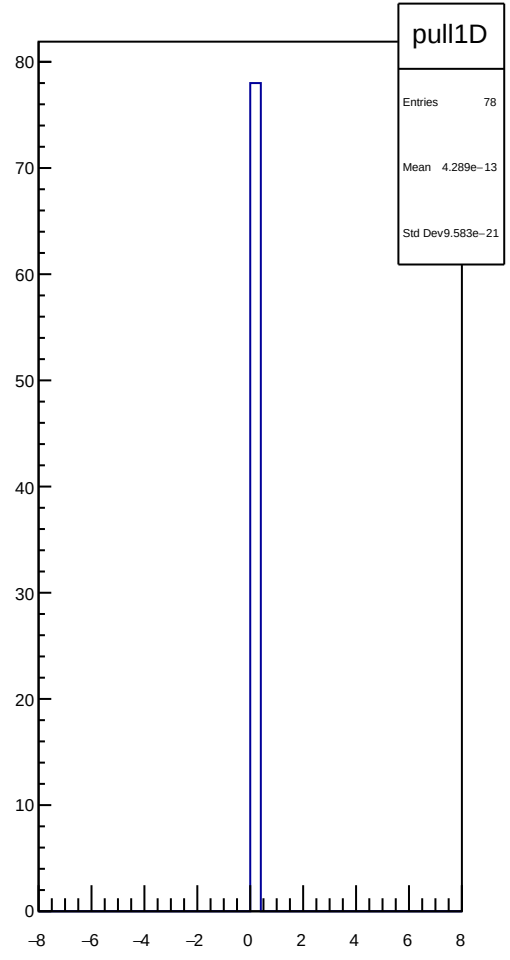

dit_usr_4aX_slope vs run
χ^2 / ndf 2.007e−24 / 77
p0 −155 ± 0.2407
−153
−154
−155
−156
−157
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

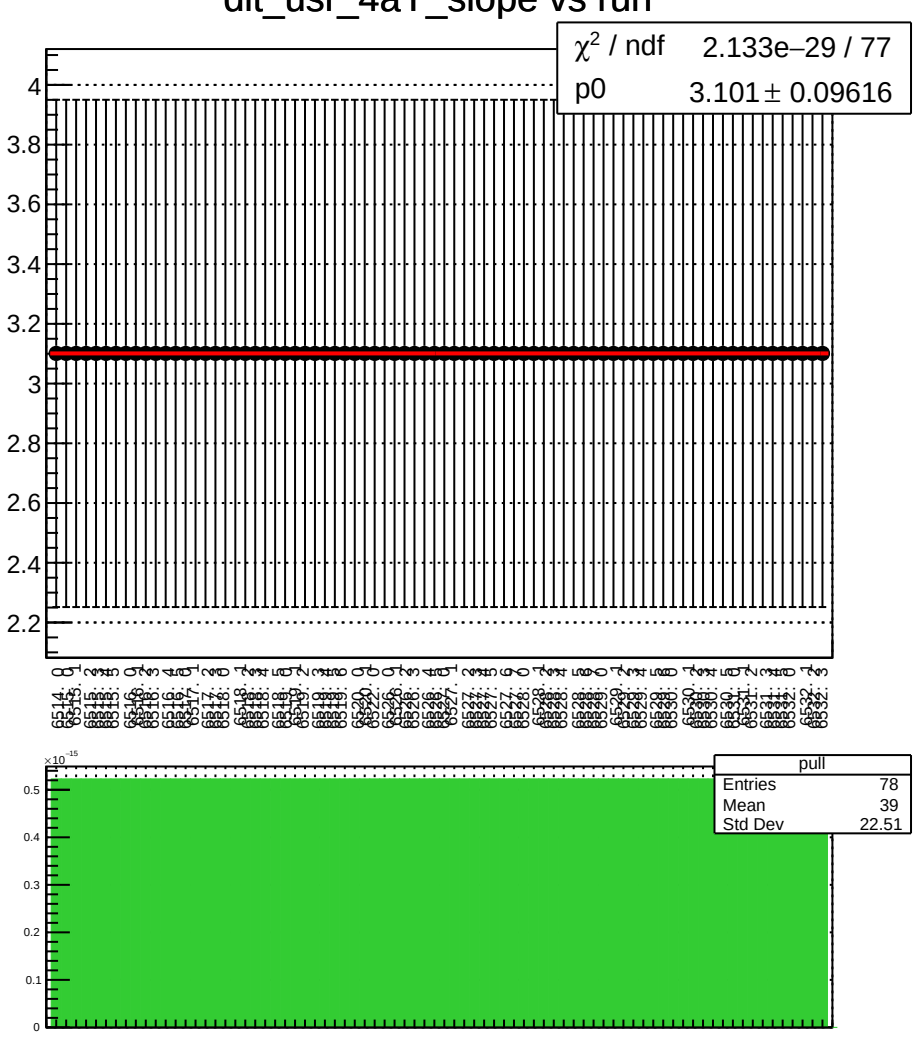

pull1D
Entries 78
Mean 1.604e−13
Std Dev7.763e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

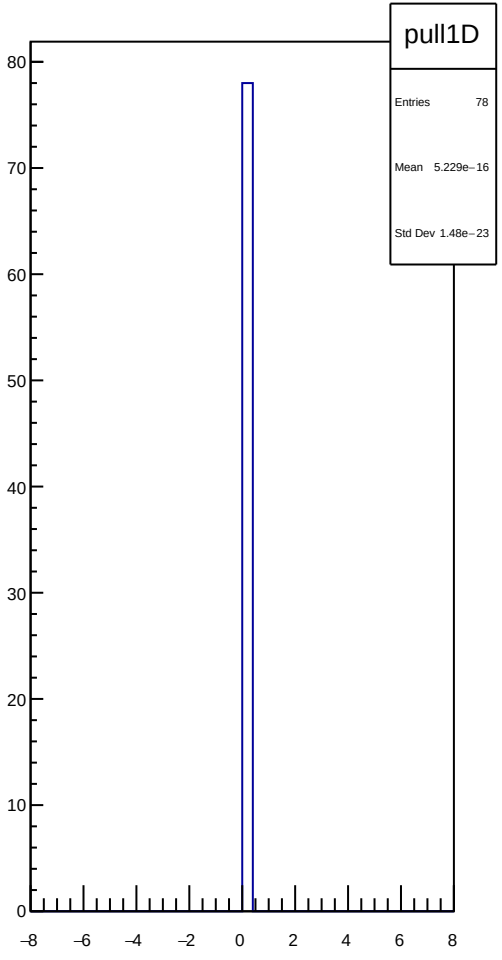

dit_usr_4eX_slope vs run
χ² / ndf 2.849e−24 / 77
p0 227.5 ± 0.2526
230
229
228
227
226
225
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2

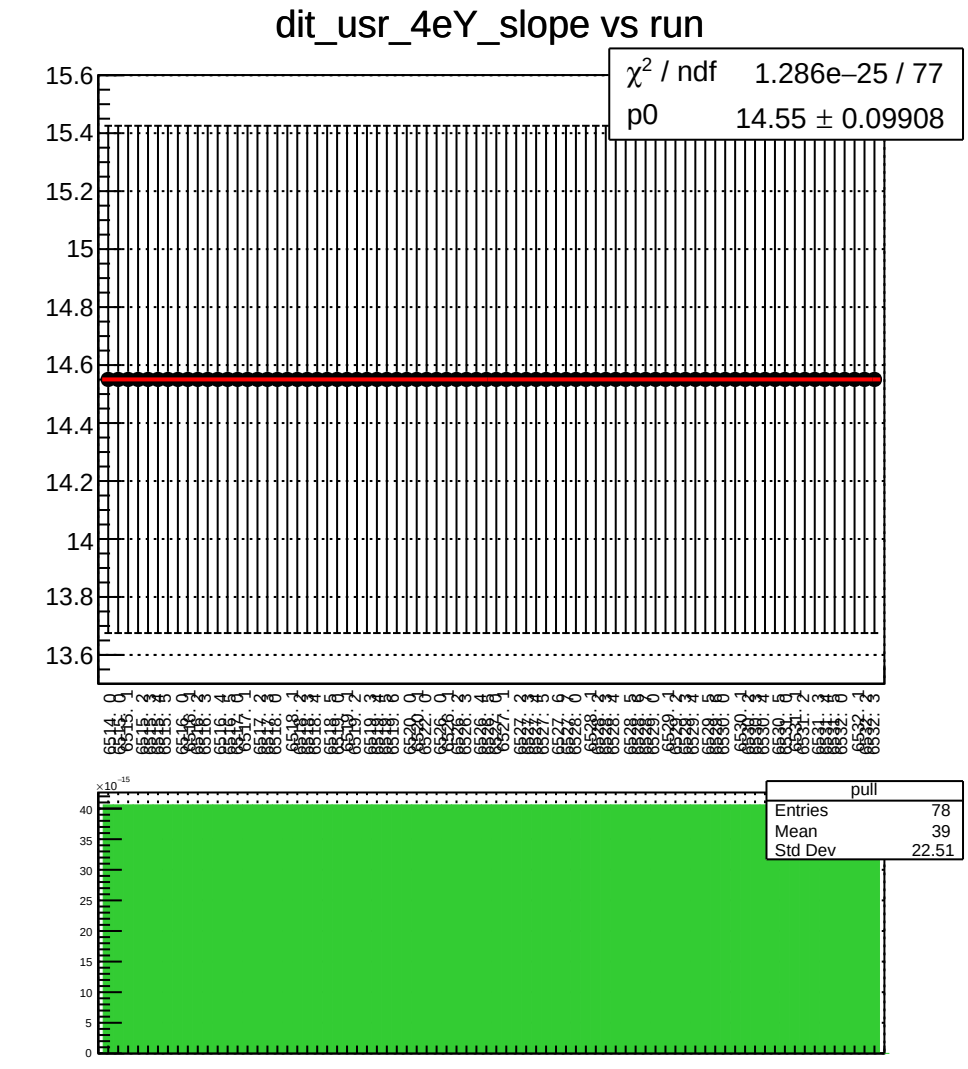

pull1D
Entries 78
Mean −1.911e−13
Std Dev4.792e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

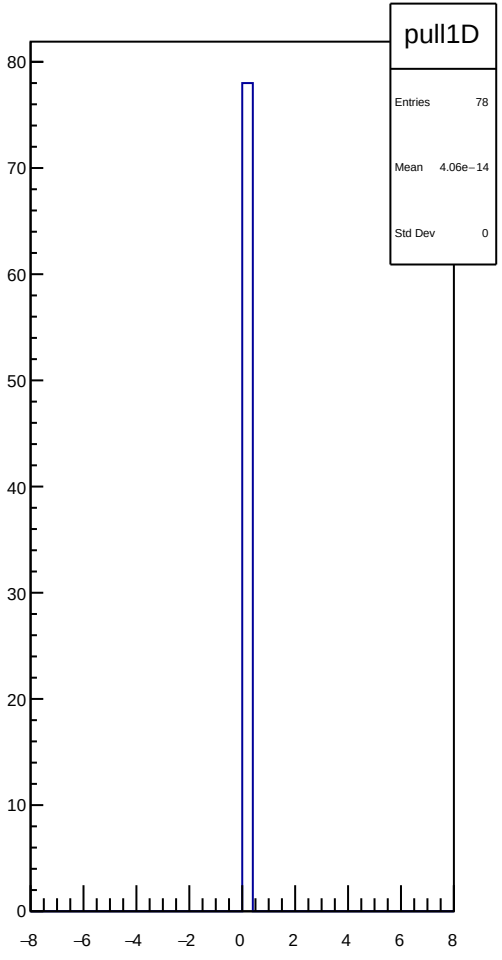

dit_usr_11X12X_slope vs run
χ² / ndf 1.435e−23 / 77
p0 −43.81 ± 0.03564
−43.5
−43.6
−43.7
−43.8
−43.9
−44
−44.1
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0

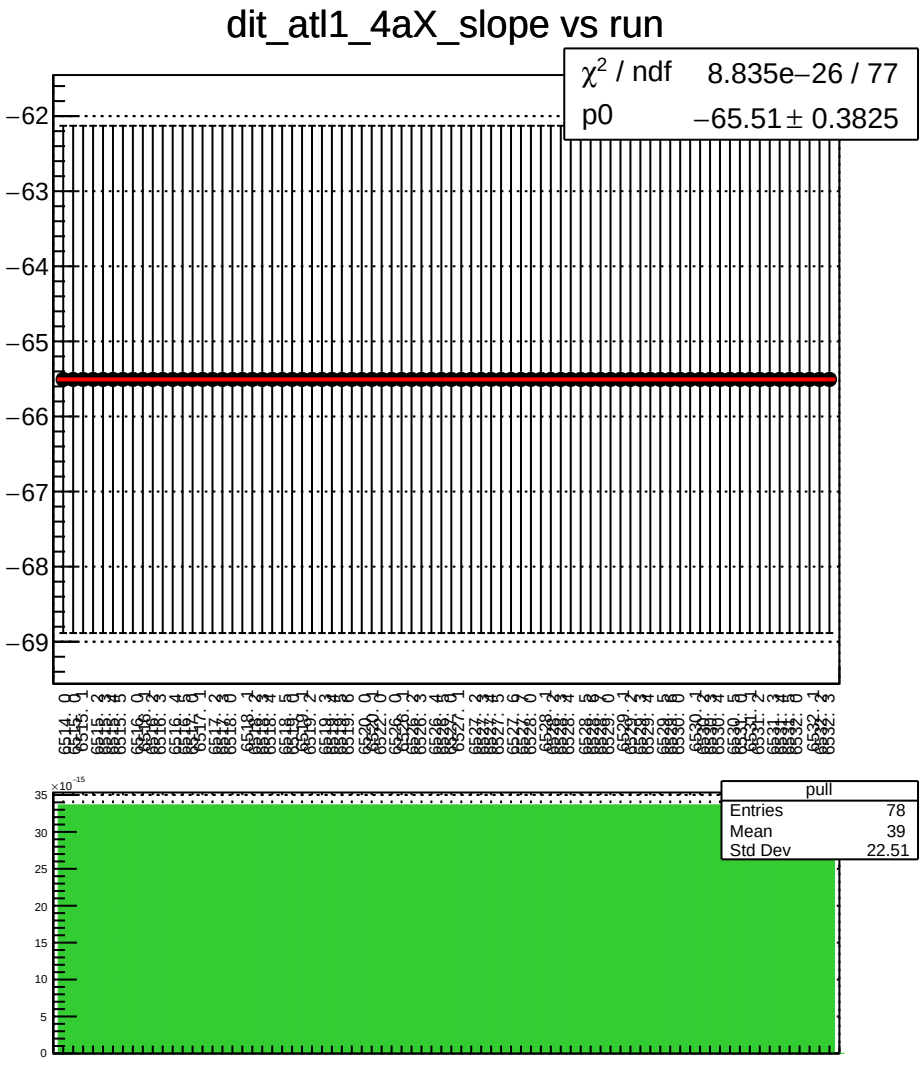

pull1D
Entries 78
Mean 4.289e−13
Std Dev9.583e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

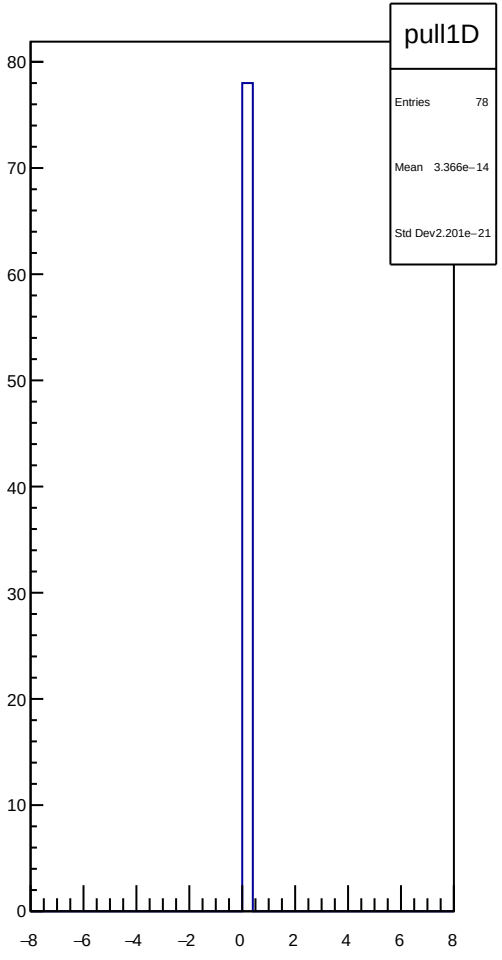

dit_usr_4aY_slope vs run
χ² / ndf 2.133e−29 / 77
p0 3.101 ± 0.09616
pull
Entries 78
Mean 39
Std Dev 22.51

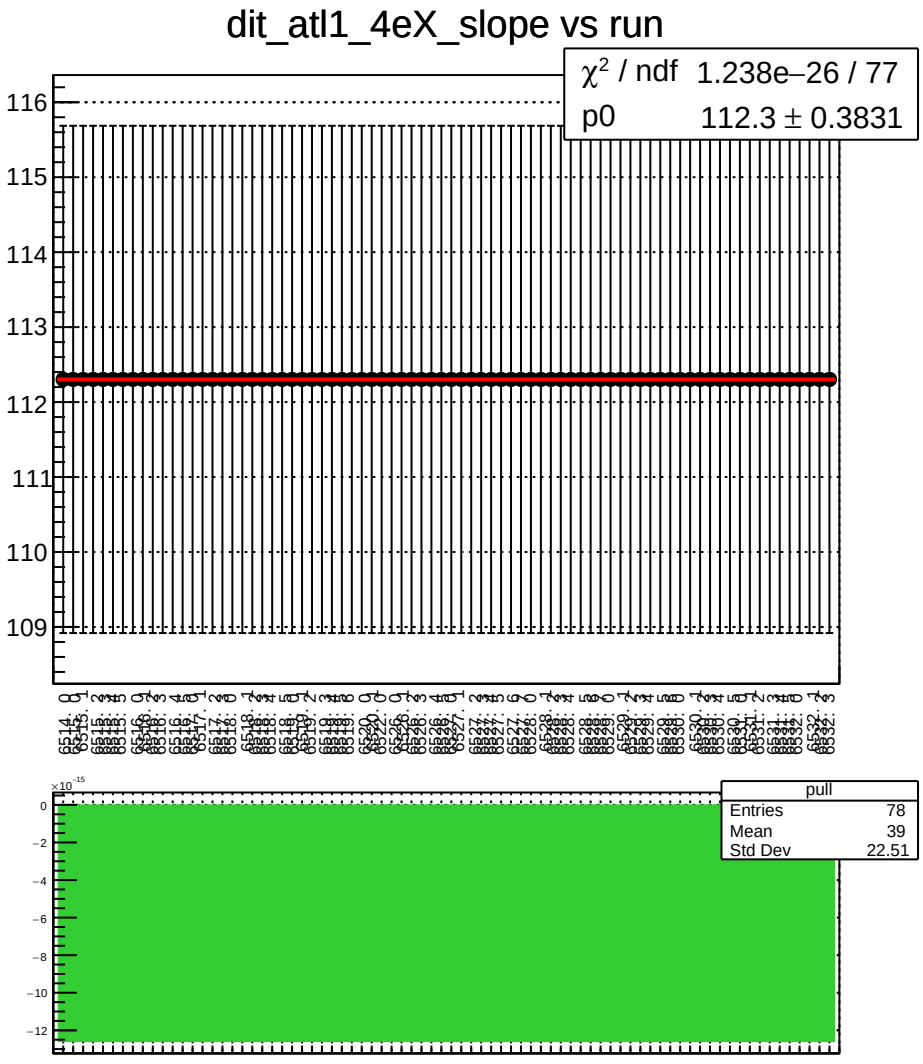

pull1D
Entries 78
Mean 5.229e−16
Std Dev 1.48e−23

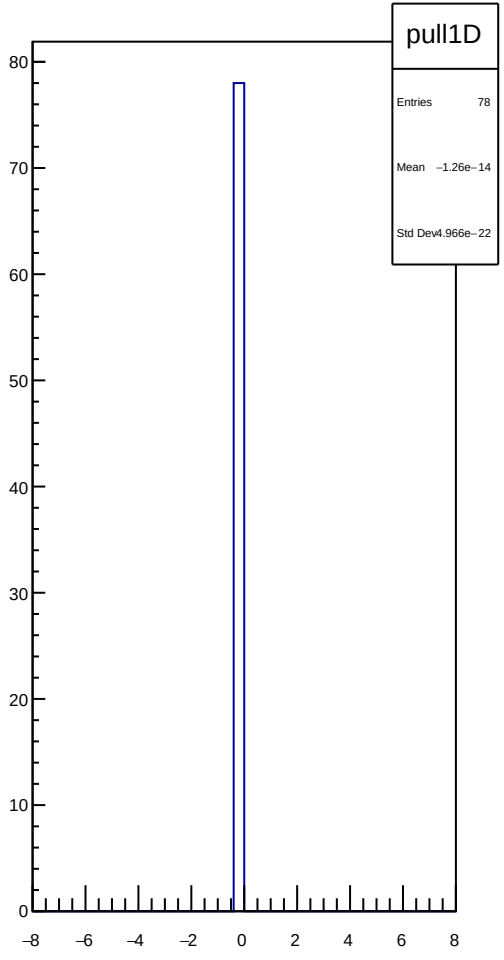

dit_usr_4eY_slope vs run
χ² / ndf 1.286e−25 / 77
p0 14.55 ± 0.09908
pull
Entries 78
Mean 39
Std Dev 22.51

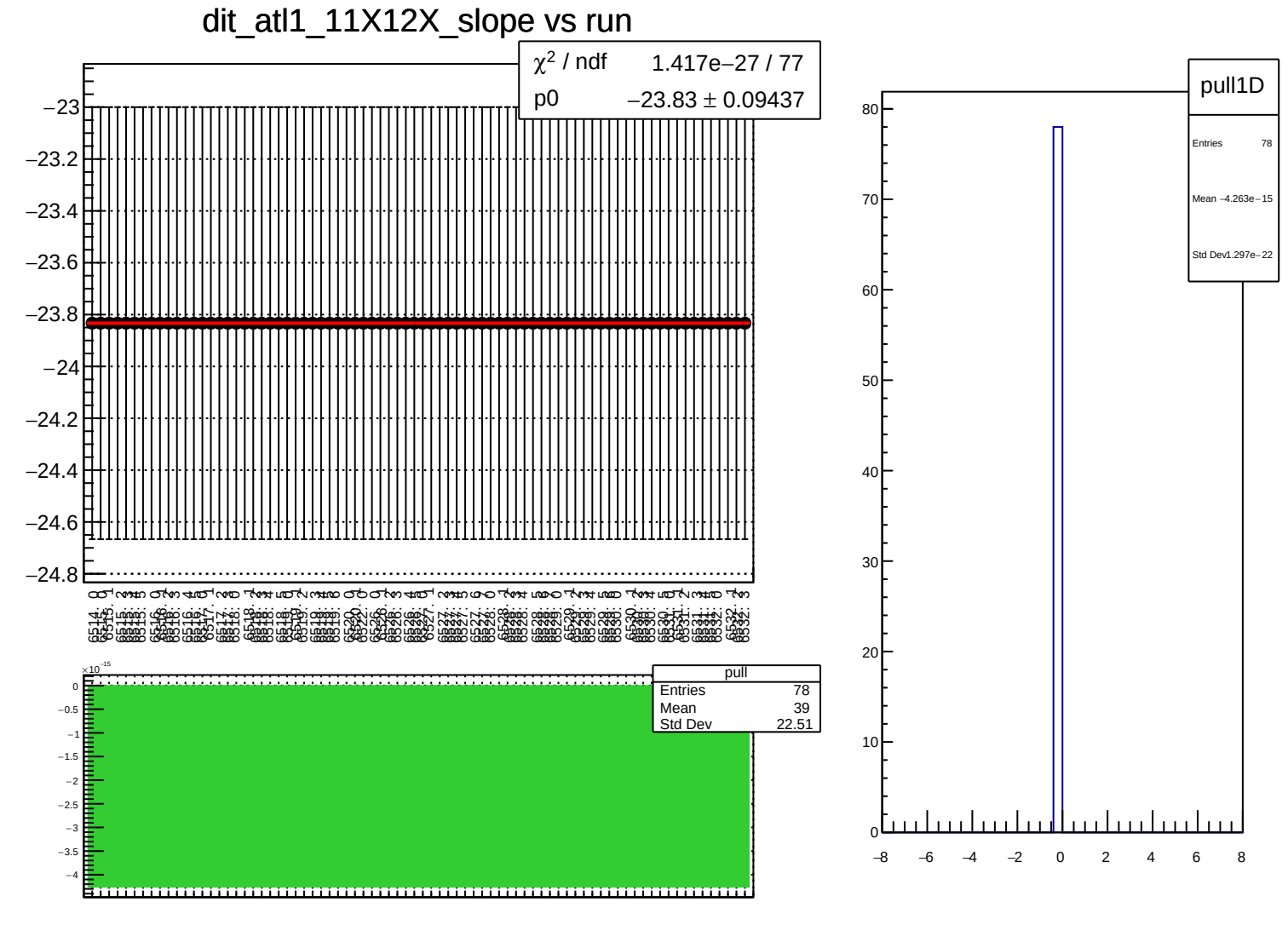

pull1D
Entries 78
Mean 4.06e−14
Std Dev 0

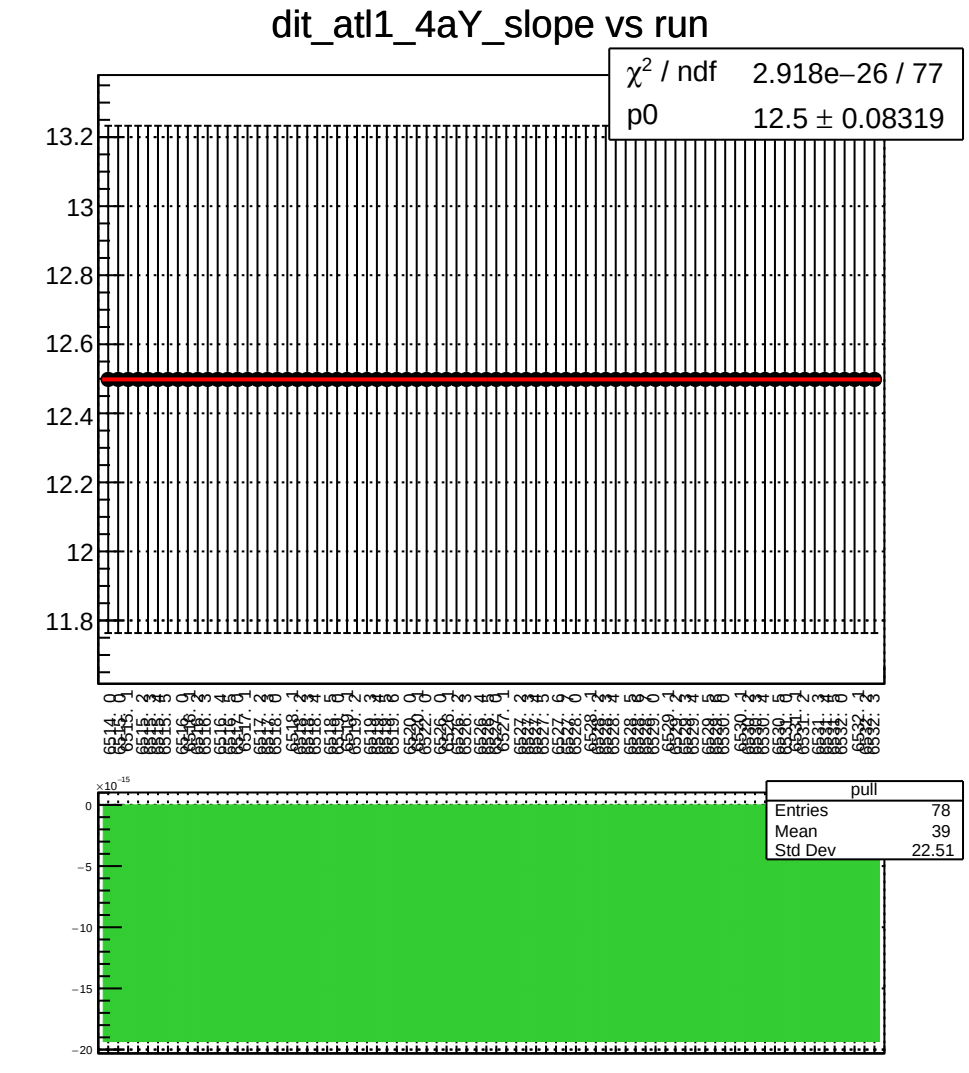

dit_atl1_4aX_slope vs run
χ² / ndf 8.835e−26 / 77
p0 −65.51 ± 0.3825
pull
Entries 78
Mean 39
Std Dev 22.51

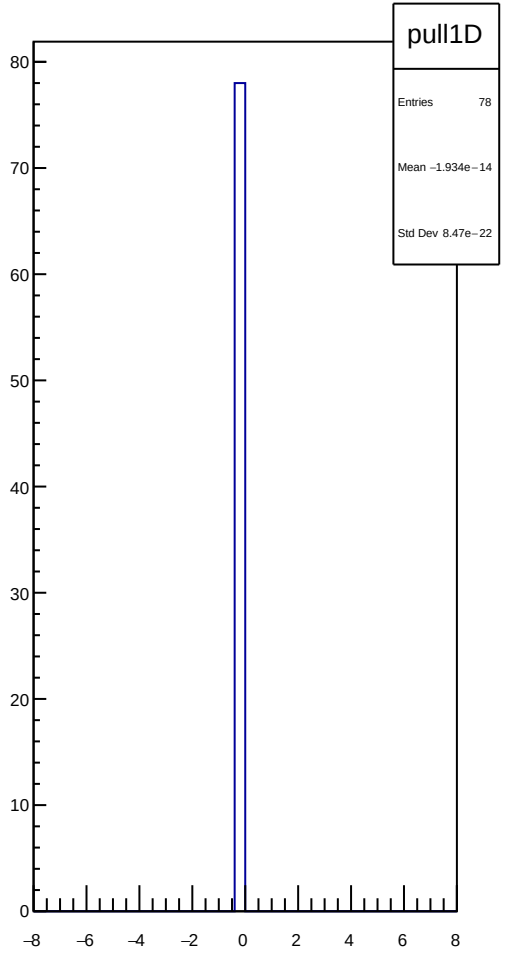

pull1D
Entries 78
Mean 3.366e−14
Std Dev2.201e−21

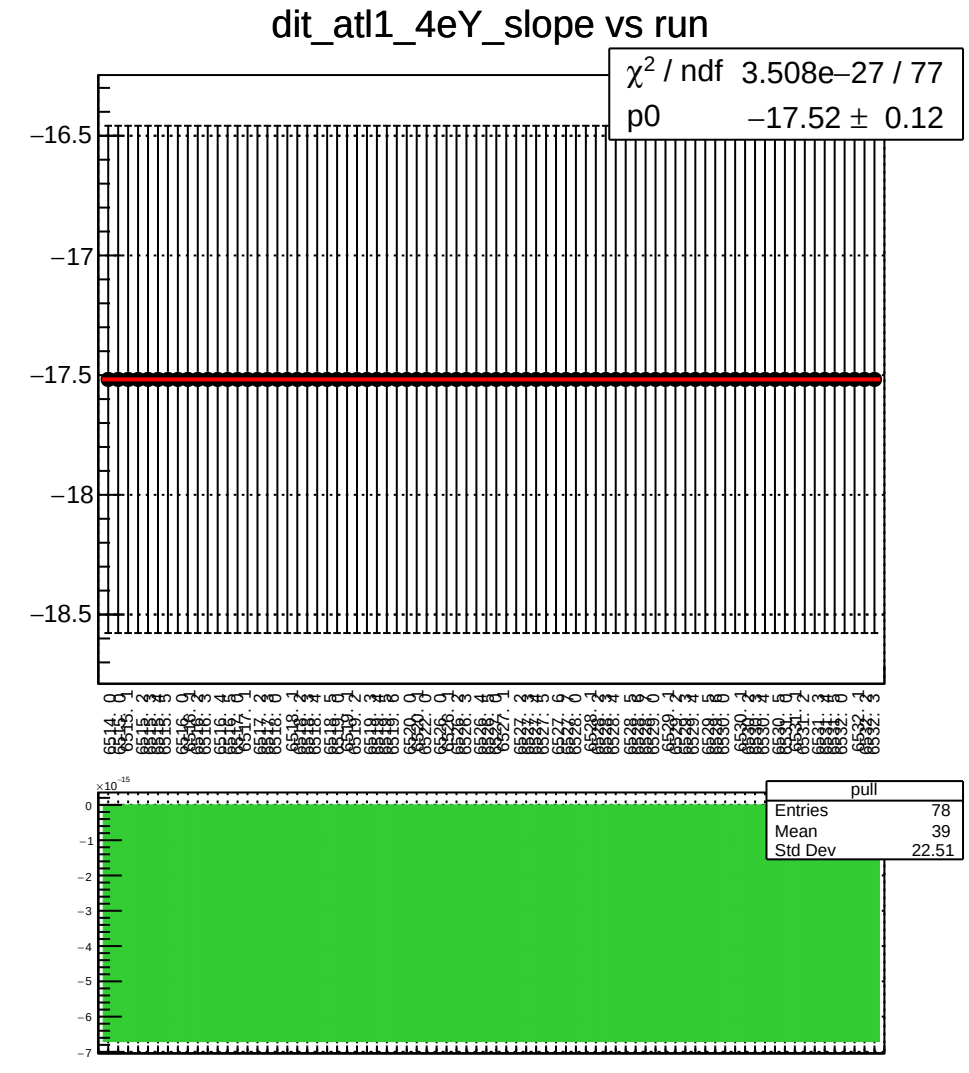

dit_atl1_4eX_slope vs run
χ^2 / ndf 1.238e−26 / 77
p0 112.3 ± 0.3831
116
115
114
113
112
111
110
109
pull
Entries 78
Mean 39
Std Dev 22.51
×10^-15
0
−2
−4
−6
−8
−10
−12

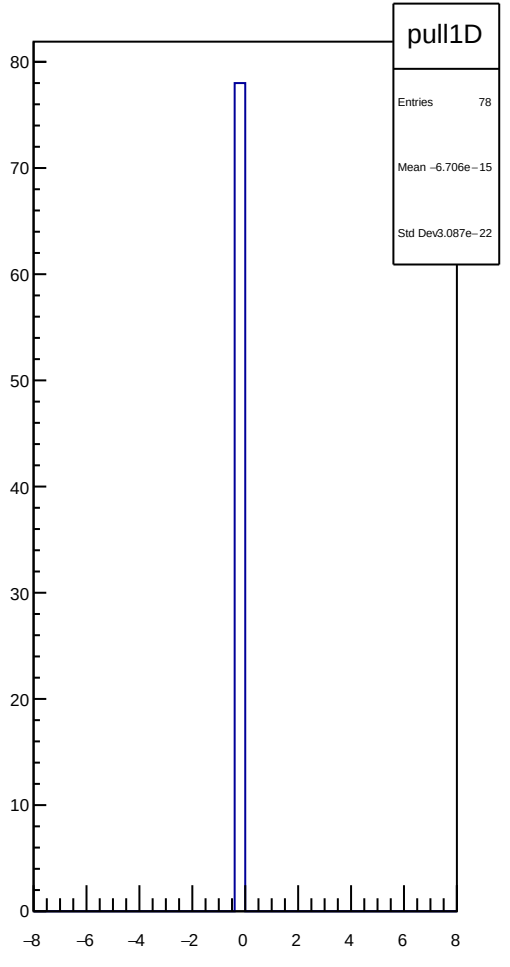

pull1D
Entries 78
Mean −1.26e−14
Std Dev4.966e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

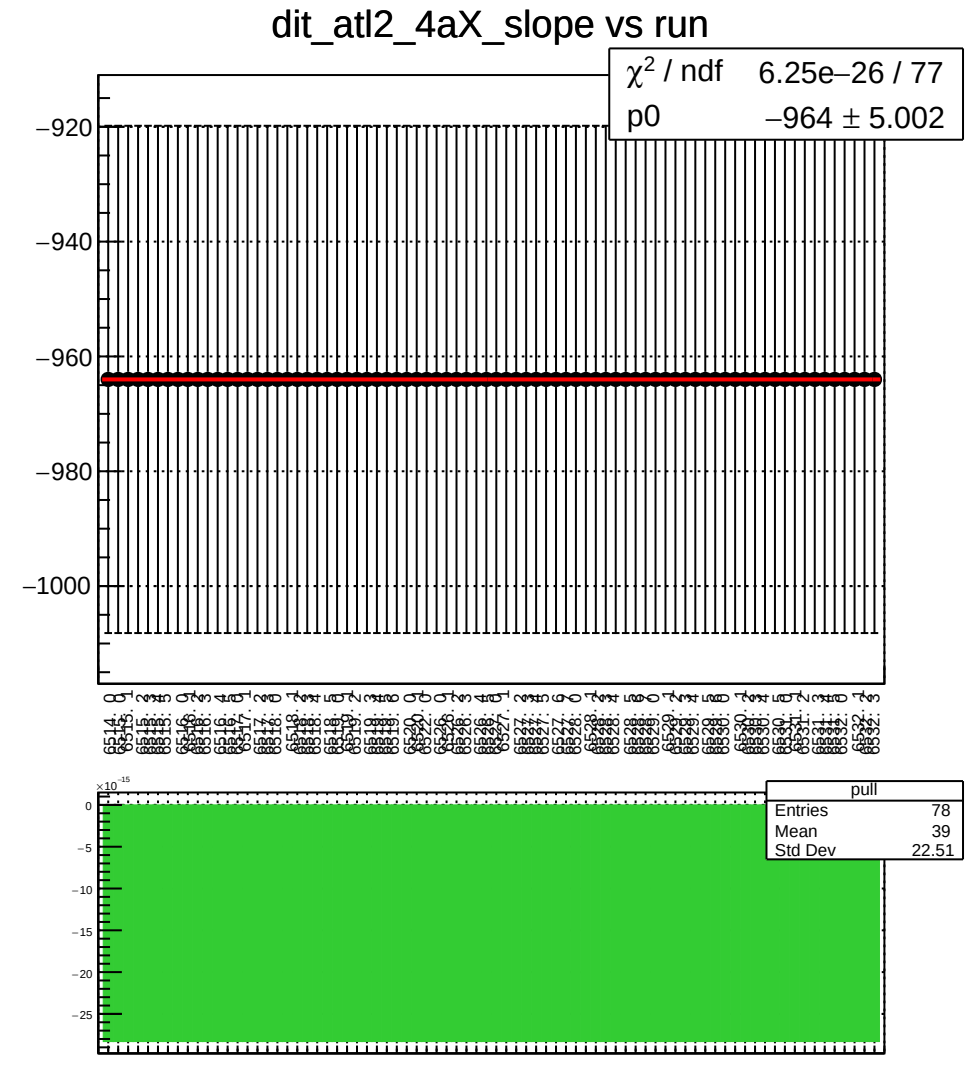

dit_atl1_11X12X_slope vs run
χ² / ndf 1.417e−27 / 77
p0 −23.83 ± 0.09437
−23
−23.2
−23.4
−23.6
−23.8
−24
−24.2
−24.4
−24.6
−24.8
pull
Entries 78
Mean 39
Std Dev 22.51
pull1D
Entries 78
Mean −4.263e−15
Std Dev 1.297e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

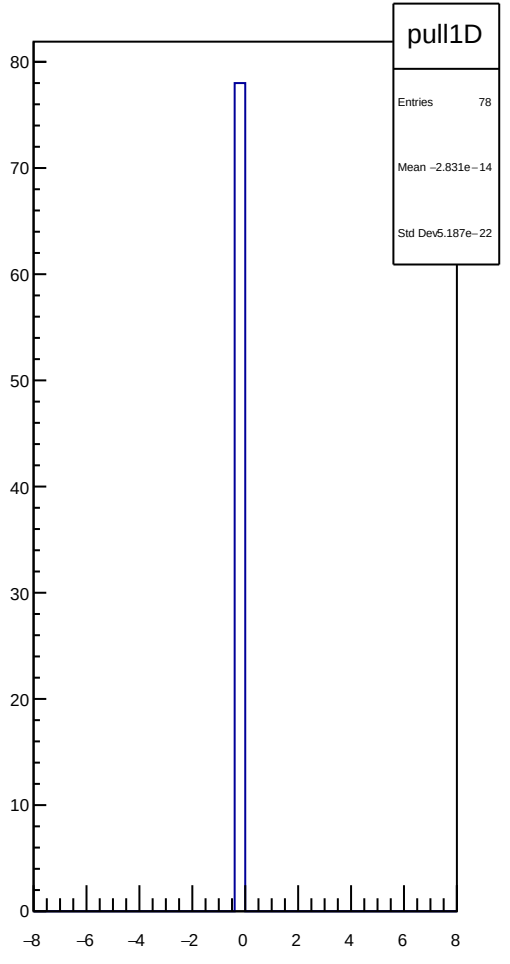

dit_atl1_4aY_slope vs run
χ² / ndf 2.918e−26 / 77
p0 12.5 ± 0.08319
13.2
13
12.8
12.6
12.4
12.2
12
11.8
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
0
−5
−10
−15
−20

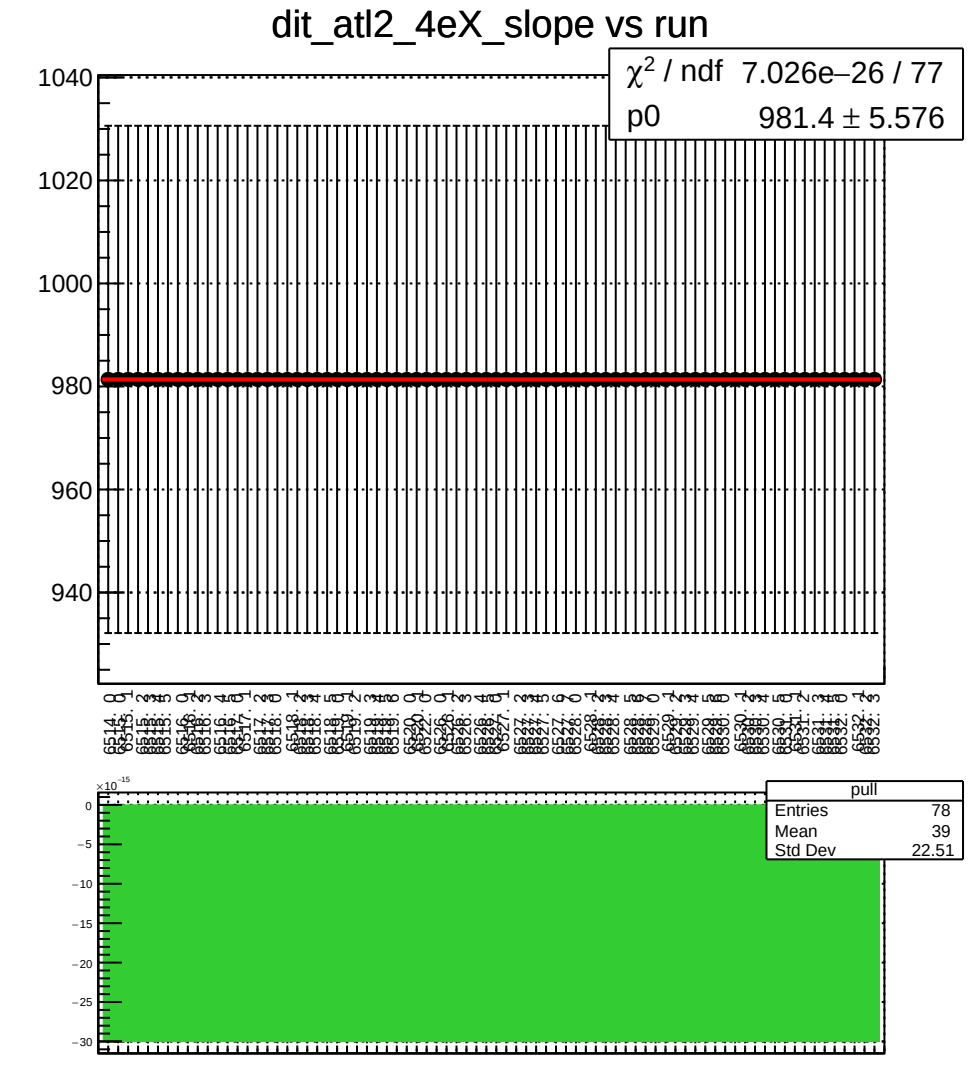

pull1D
Entries 78
Mean −1.934e−14
Std Dev 8.47e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

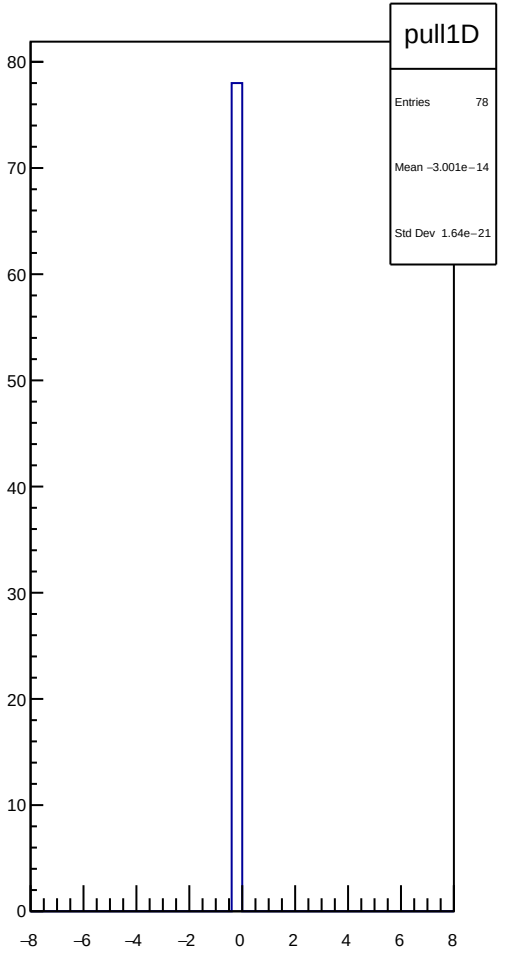

dit_atl1_4eY_slope vs run
χ² / ndf 3.508e−27 / 77
p0 −17.52 ± 0.12
−16.5
−17
−17.5
−18
−18.5
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7

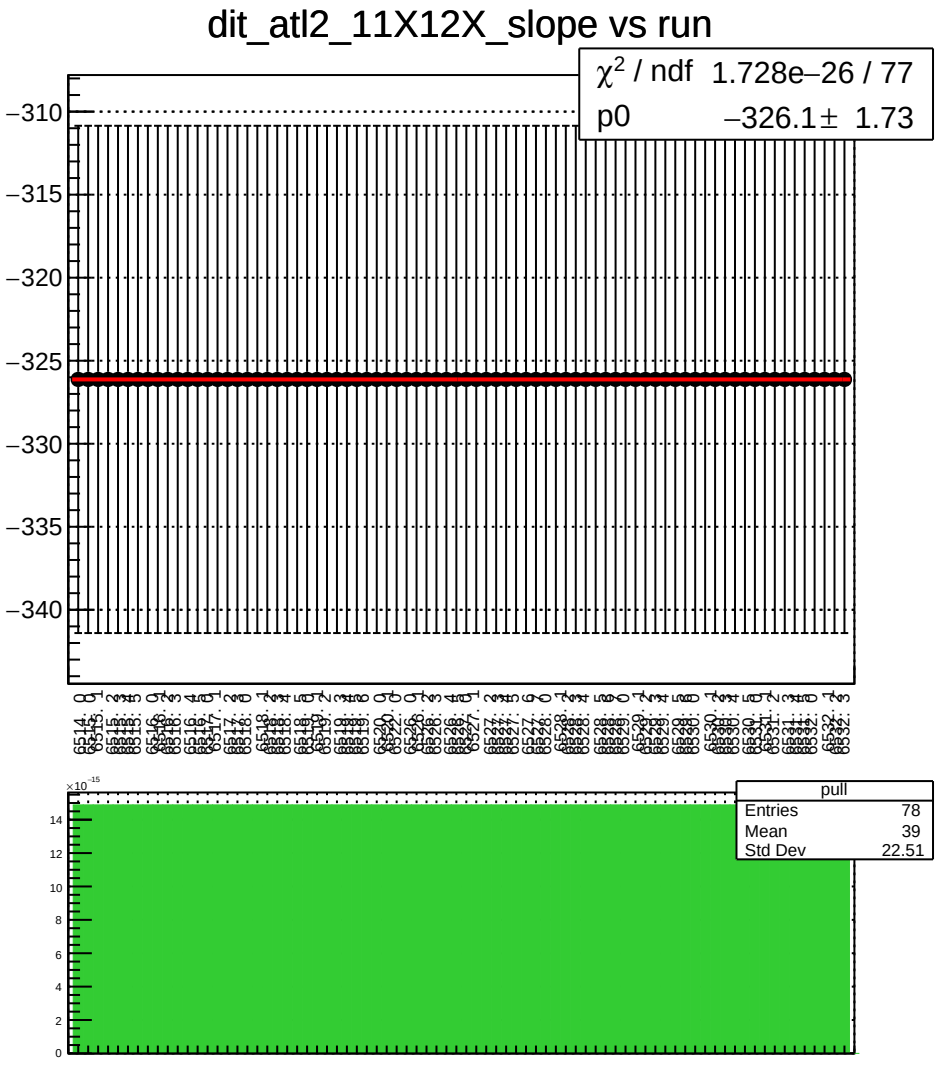

pull1D
Entries 78
Mean −6.706e−15
Std Dev3.087e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

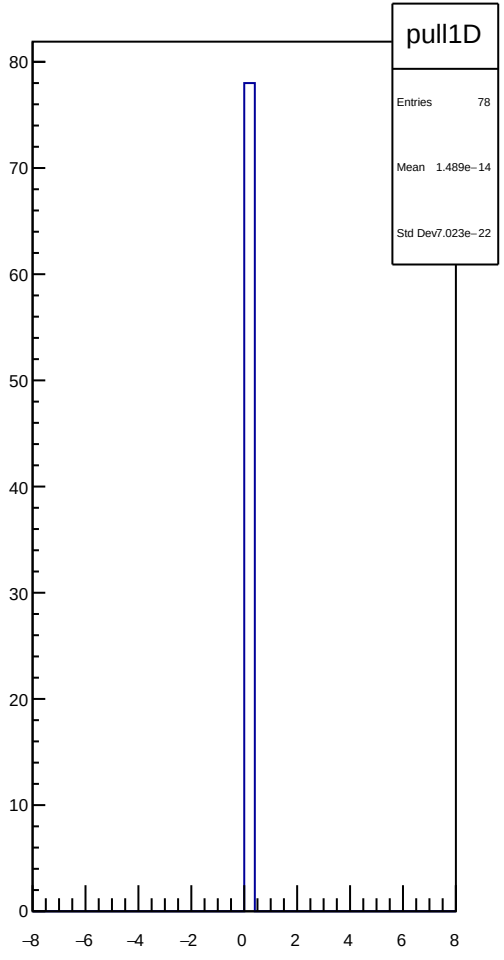

dit_atl2_4aX_slope vs run
χ² / ndf 6.25e−26 / 77
p0 −964 ± 5.002
−920
−940
−960
−980
−1000
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
0
−5
−10
−15
−20
−25

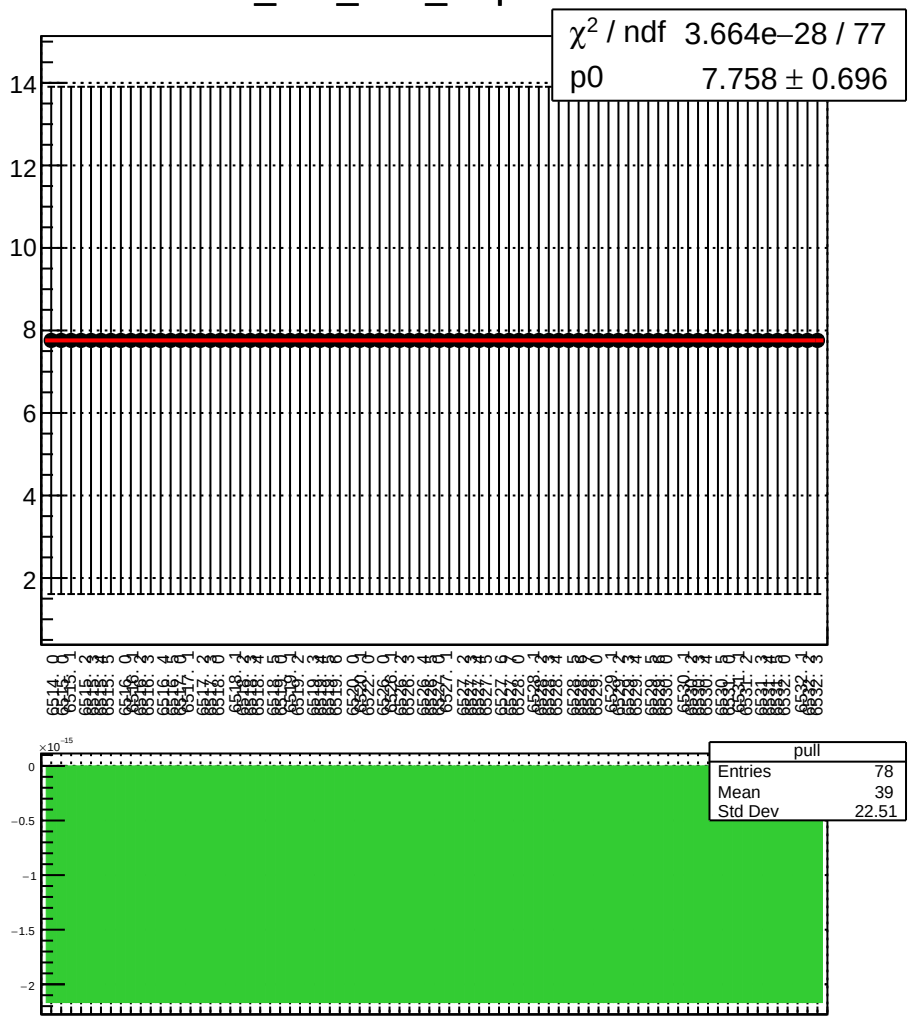

pull1D
Entries 78
Mean −2.831e−14
Std Dev5.187e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

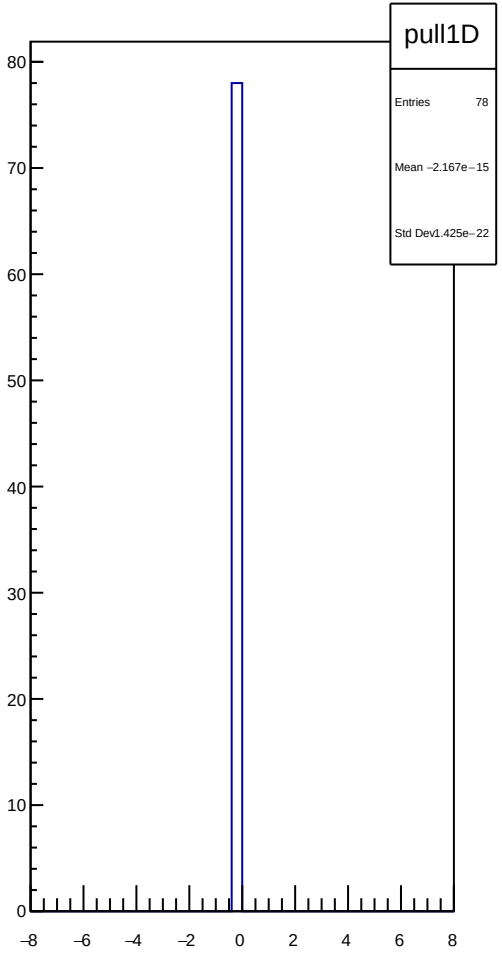

dit_atl2_4eX_slope vs run
χ^2 / ndf 7.026e−26 / 77
p0 981.4 ± 5.576
1040
1020
1000
980
960
940
pull
Entries 78
Mean 39
Std Dev 22.51
×10^-15
0
−5
−10
−15
−20
−25
−30

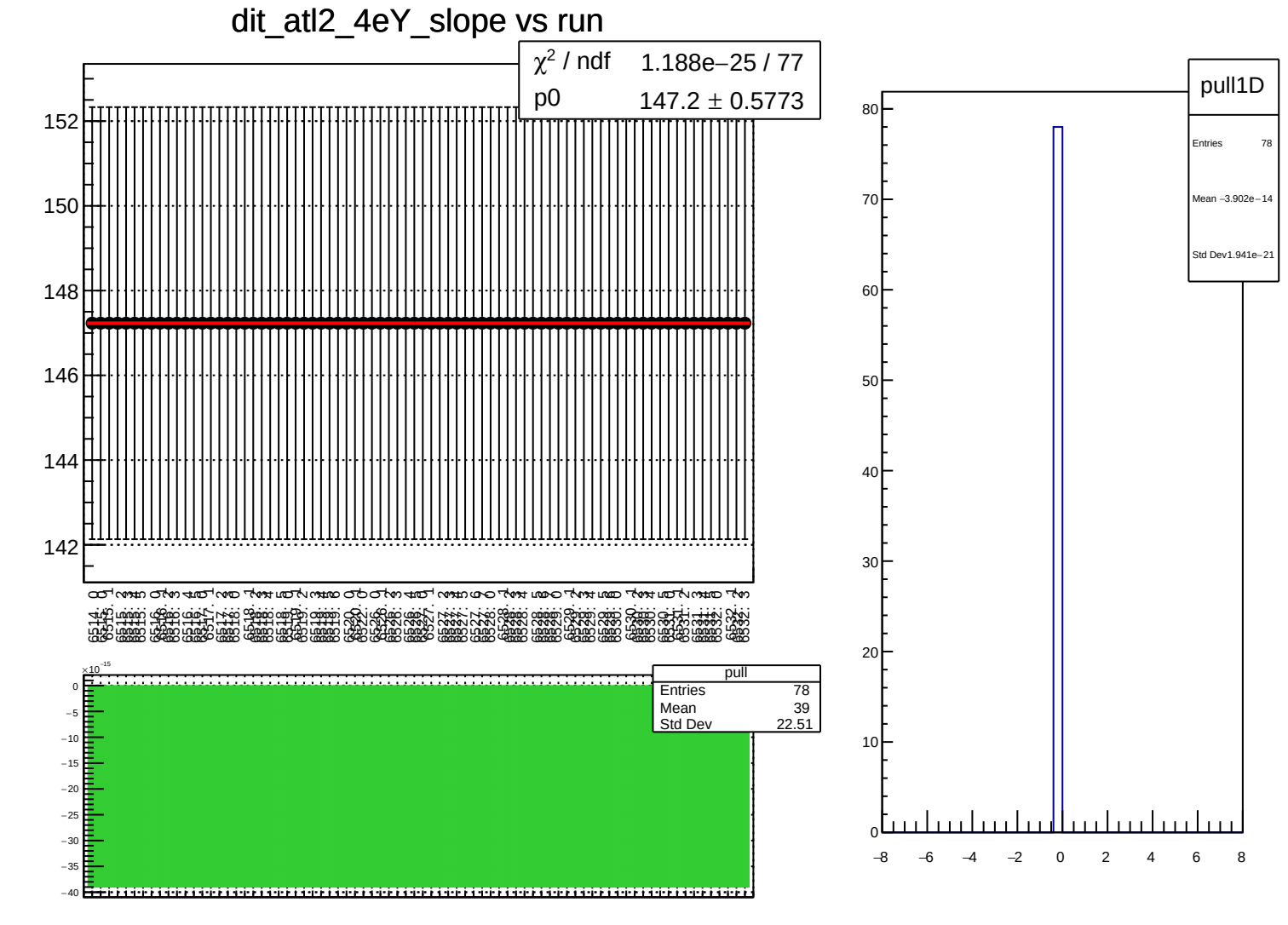

pull1D
Entries 78
Mean −3.001e−14
Std Dev 1.64e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

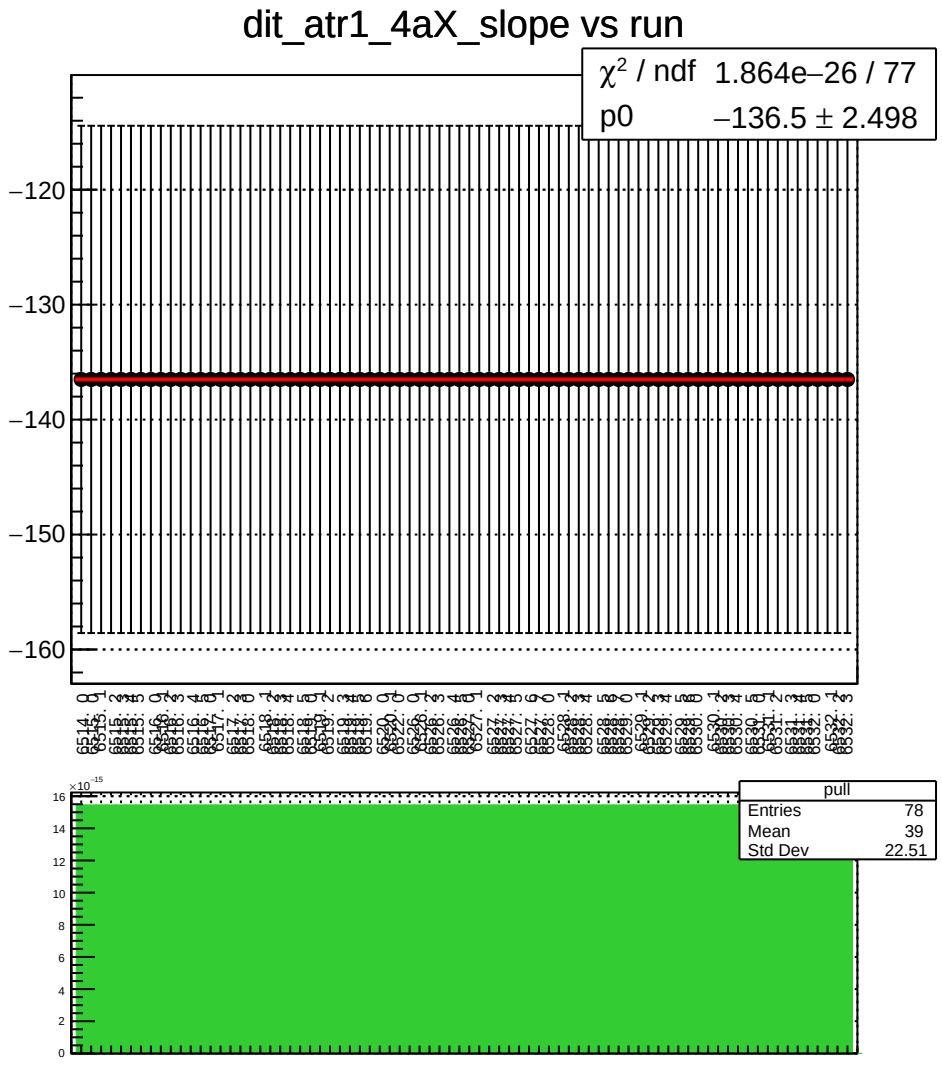

dit_atl2_11X12X_slope vs run
χ^2 / ndf 1.728e−26 / 77
p0 −326.1± 1.73
−310
−315
−320
−325
−330
−335
−340
pull
Entries 78
Mean 39
Std Dev 22.51
×10^-15
14
12
10
8
6
4
2
0

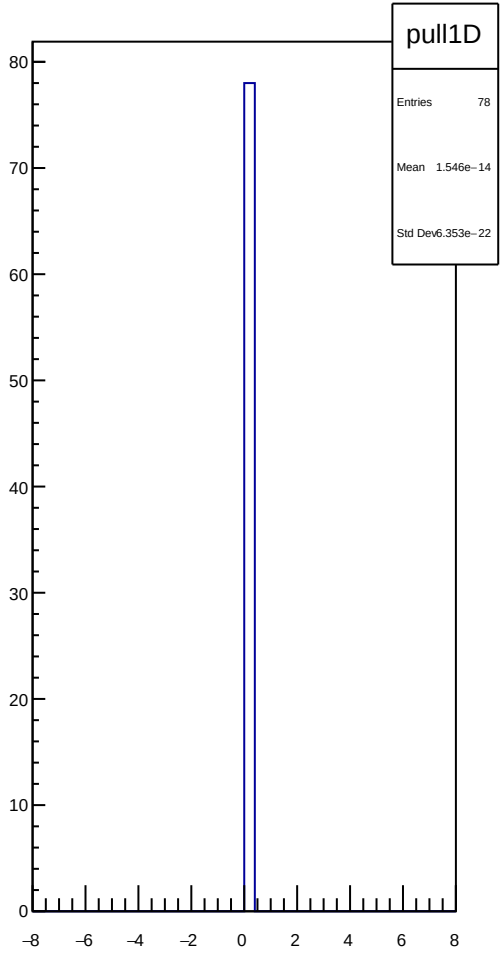

pull1D
Entries 78
Mean 1.489e−14
Std Dev7.023e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

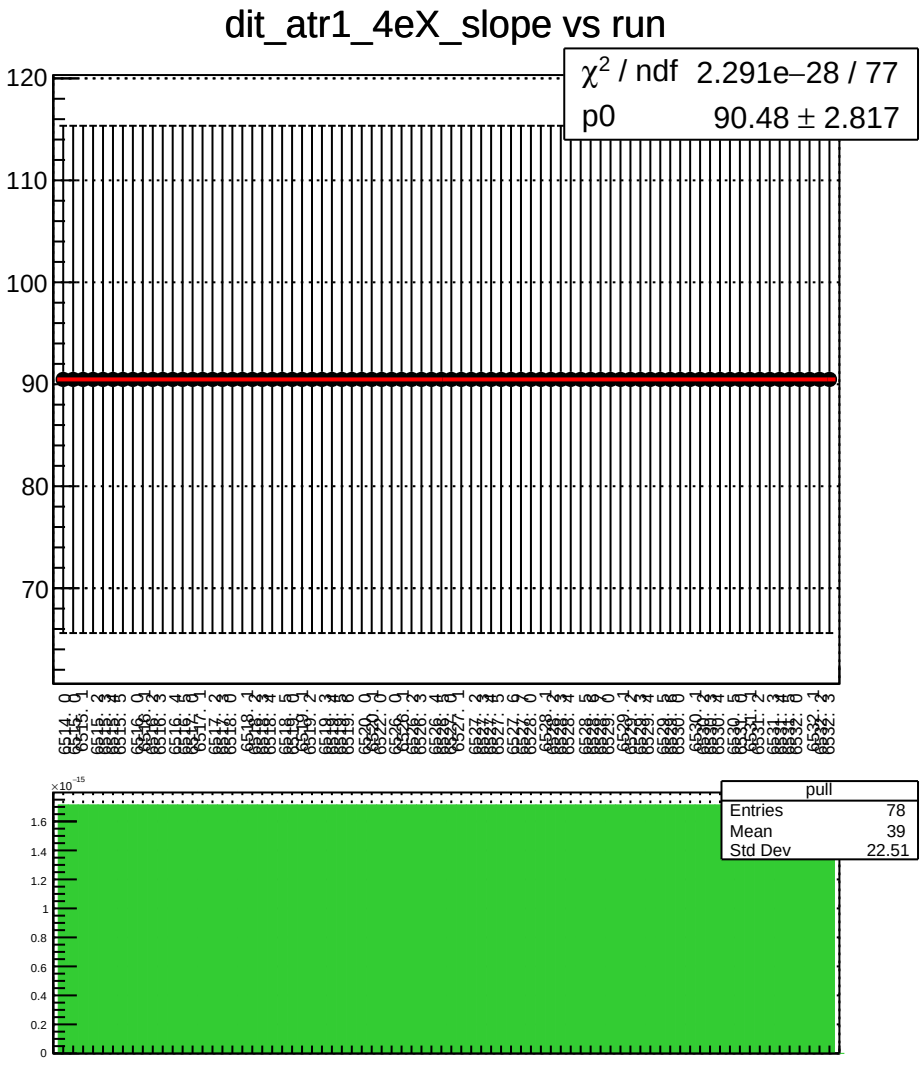

dit_atl2_4aY_slope vs run
χ^2 / ndf 3.664e−28 / 77
p0 7.758 ± 0.696
pull
Entries 78
Mean 39
Std Dev 22.51

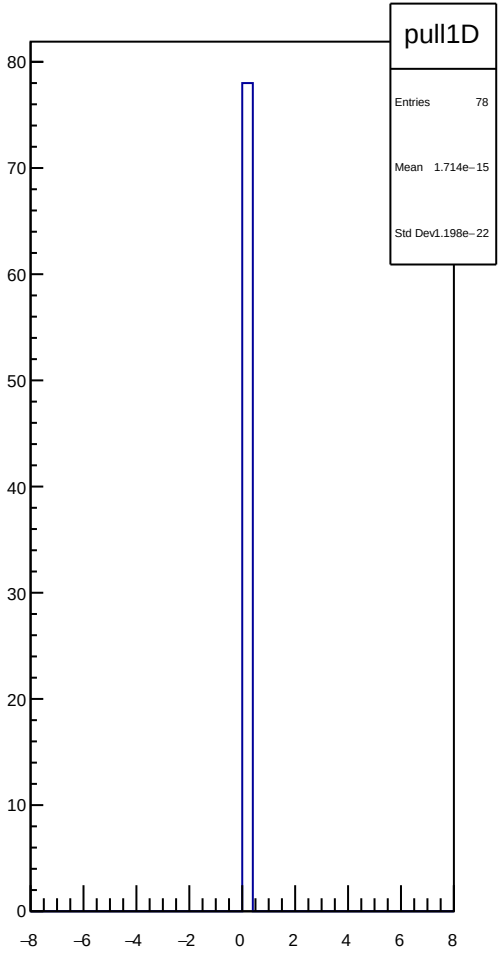

pull1D
Entries 78
Mean −2.167e−15
Std Dev1.425e−22

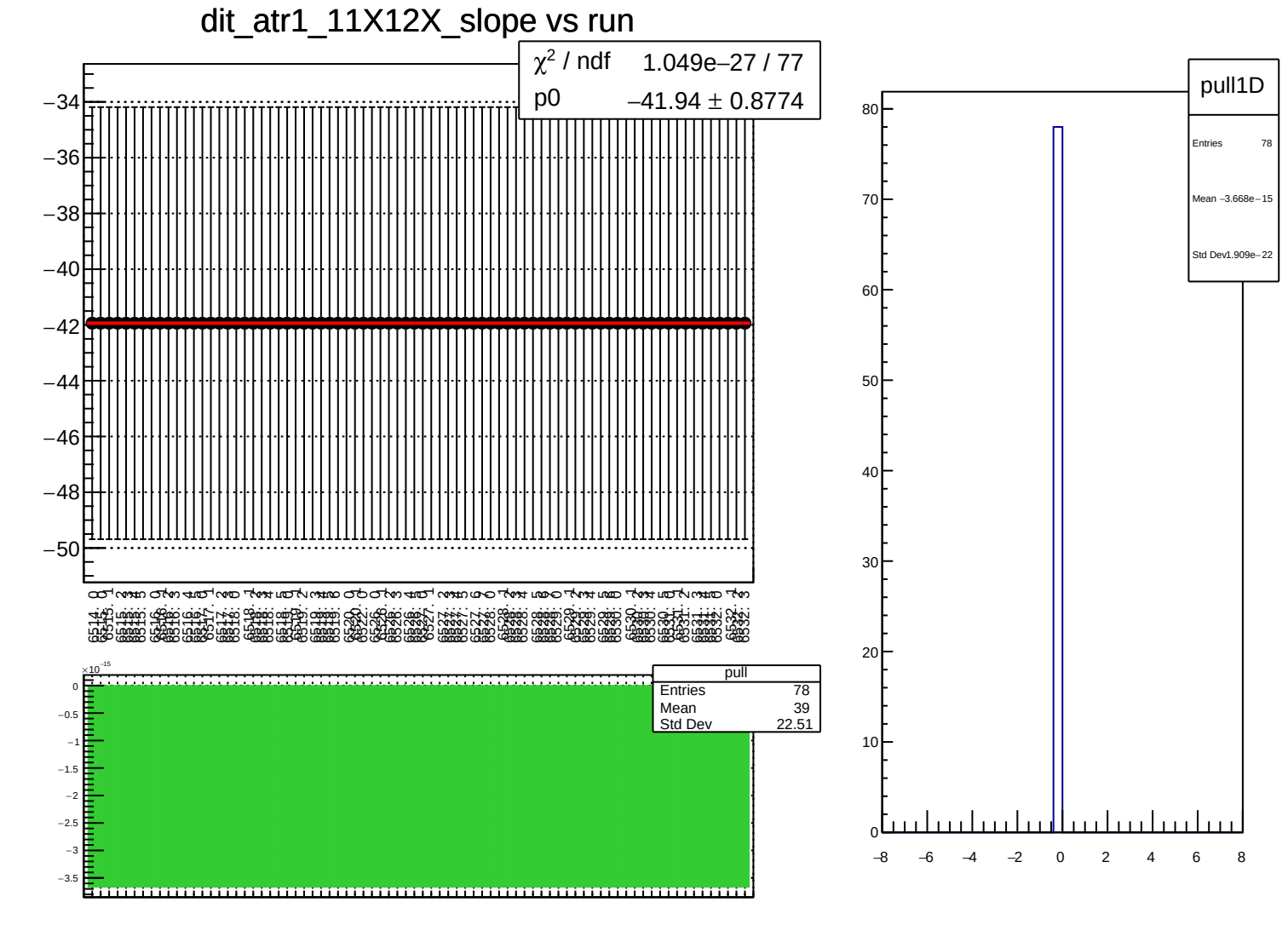

dit_atl2_4eY_slope vs run
χ² / ndf 1.188e−25 / 77
p0 147.2 ± 0.5773
152
150
148
146
144
142
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40
pull1D
Entries 78
Mean −3.902e−14
Std Dev1.941e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

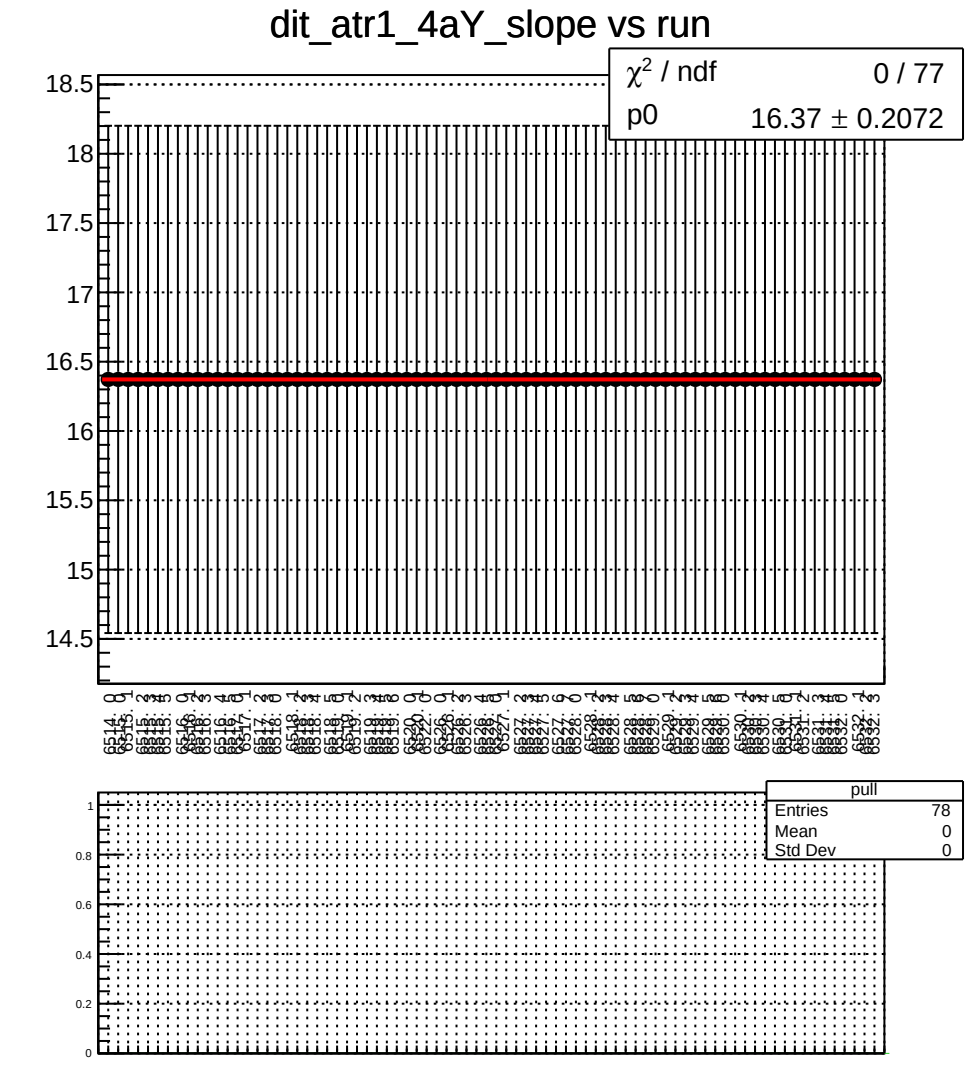

dit_atr1_4aX_slope vs run
χ^2 / ndf 1.864e−26 / 77
p0 −136.5 ± 2.498
−120
−130
−140
−150
−160
pull
Entries 78
Mean 39
Std Dev 22.51
×10^-15
16
14
12
10
8
6
4
2
0

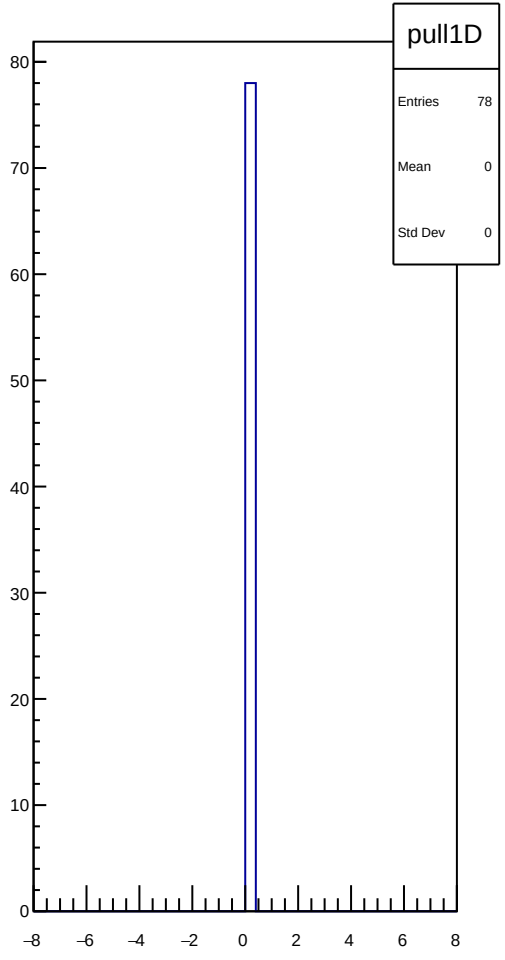

pull1D
Entries 78
Mean 1.546e−14
Std Dev 6.353e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

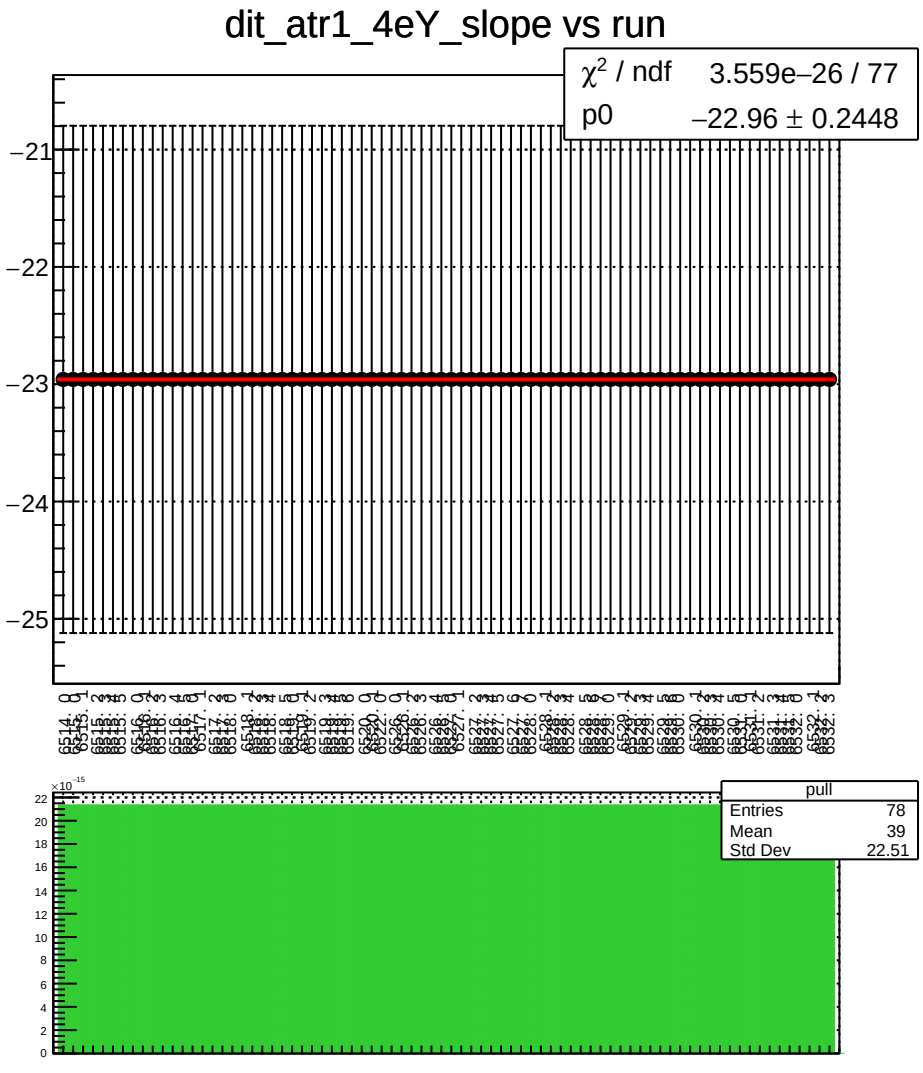

dit_atr1_4eX_slope vs run
χ^2 / ndf 2.291e−28 / 77
p0 90.48 ± 2.817
pull
Entries 78
Mean 39
Std Dev 22.51

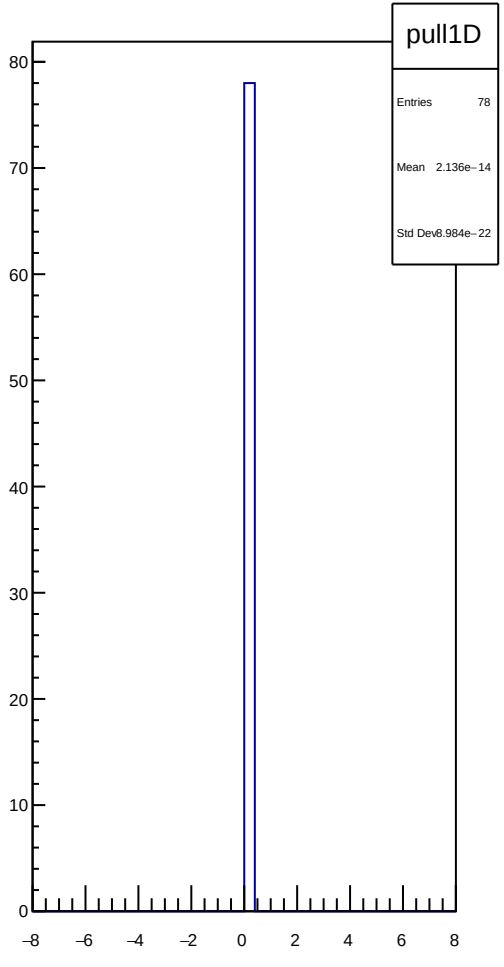

pull1D
Entries 78
Mean 1.714e−15
Std Dev1.198e−22

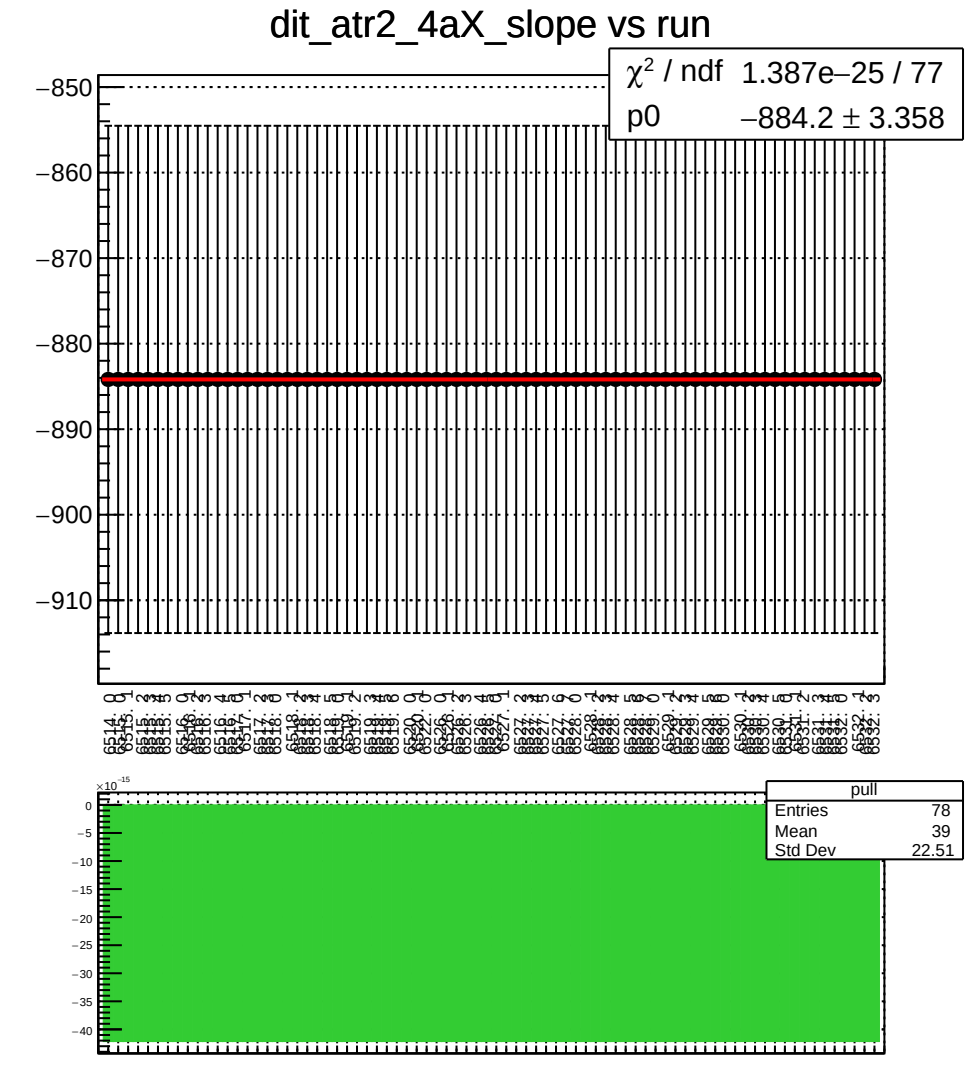

dit_atr1_11X12X_slope vs run
χ² / ndf 1.049e−27 / 77
p0 −41.94 ± 0.8774
−34
−36
−38
−40
−42
−44
−46
−48
−50
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
pull1D
Entries 78
Mean −3.668e−15
Std Dev1.909e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

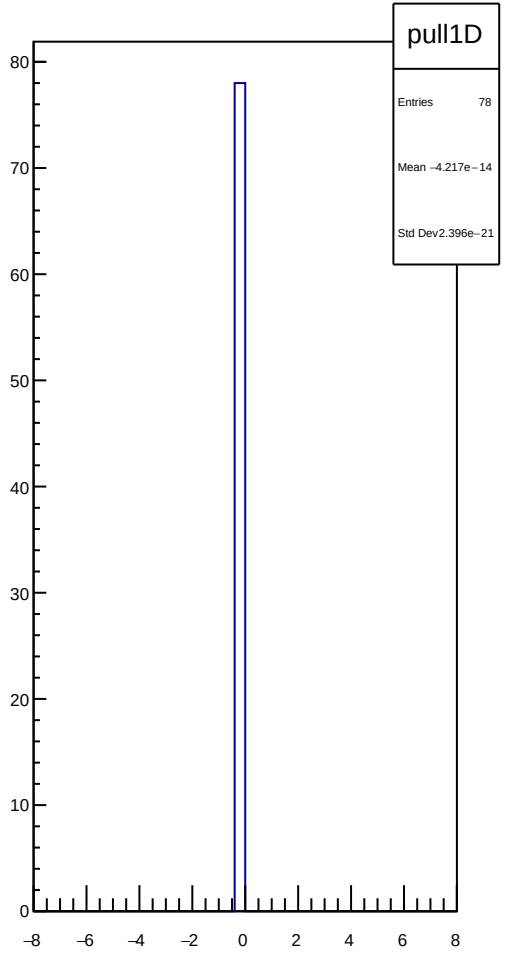

dit_atr1_4aY_slope vs run
χ² / ndf 0 / 77
p0 16.37 ± 0.2072
pull
Entries 78
Mean 0
Std Dev 0

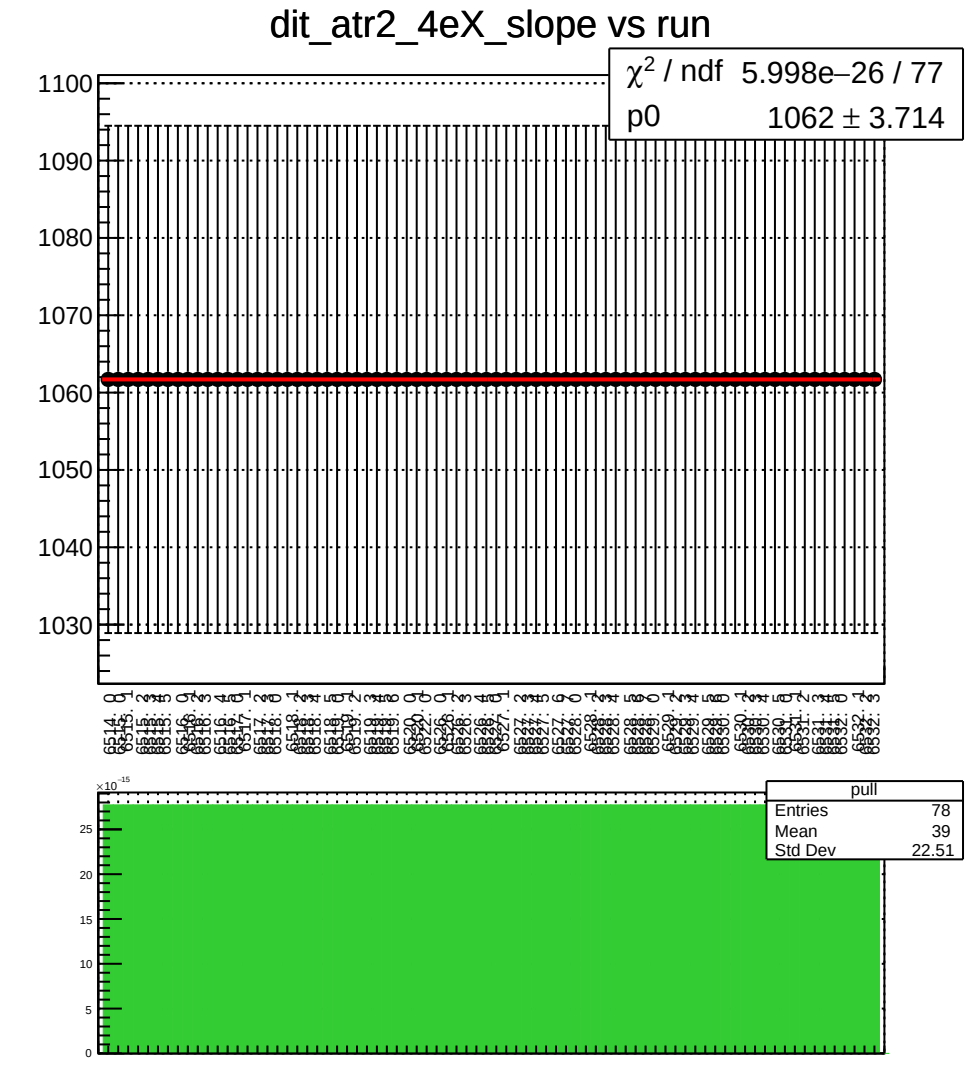

pull1D
Entries 78
Mean 0
Std Dev 0

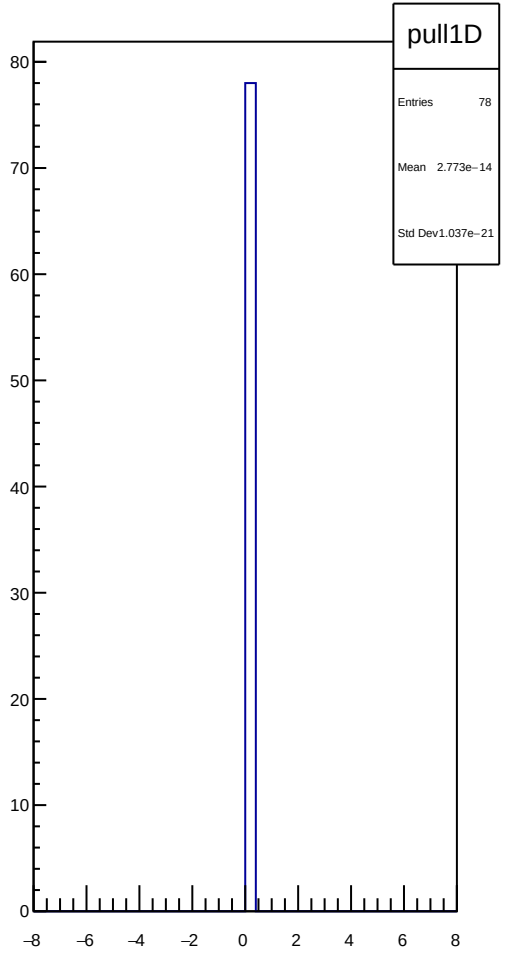

dit_atr1_4eY_slope vs run
χ² / ndf 3.559e−26 / 77
p0 −22.96 ± 0.2448
−21
−22
−23
−24
−25
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵

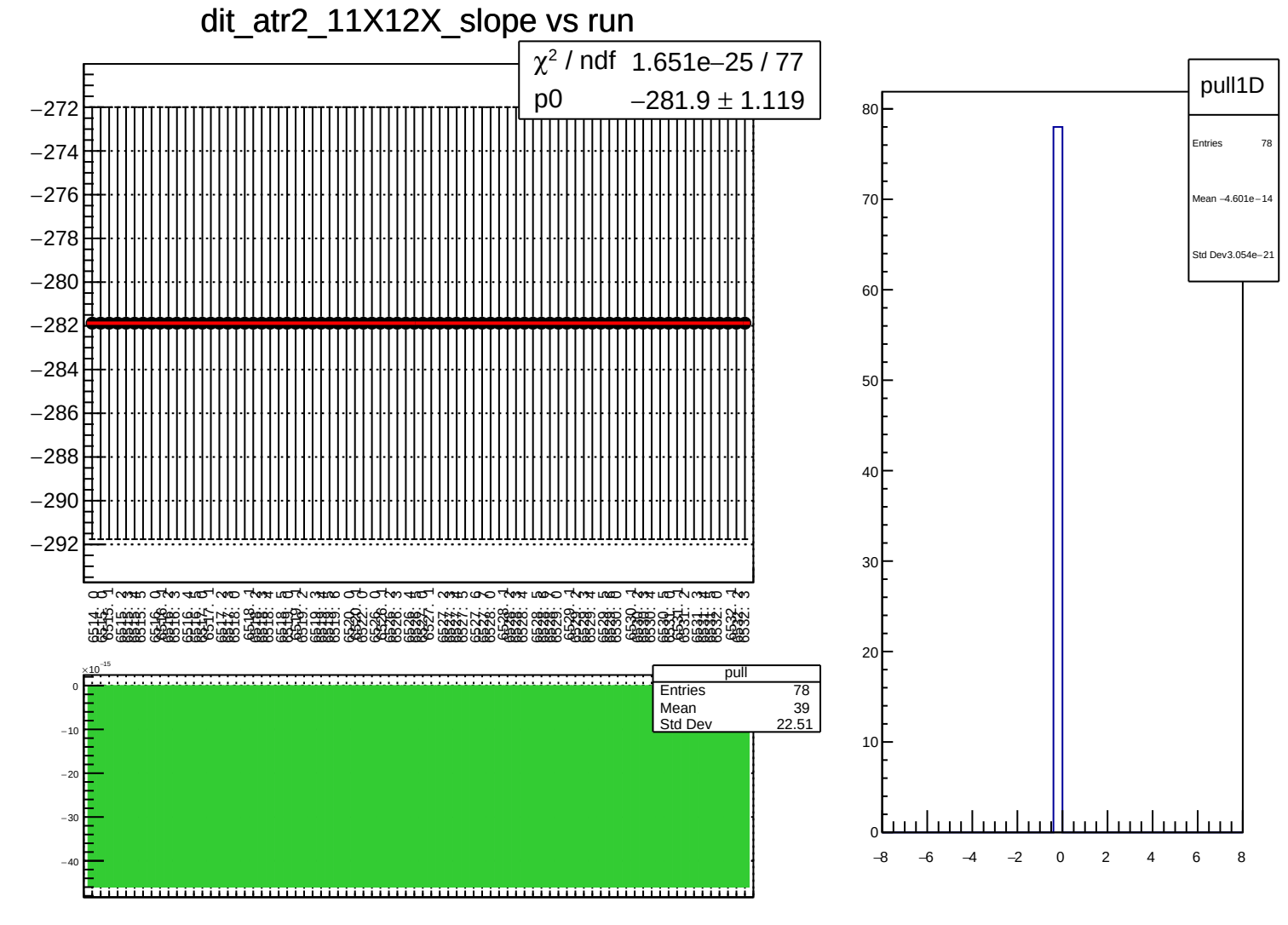

pull1D
Entries 78
Mean 2.136e−14
Std Dev 8.984e−22

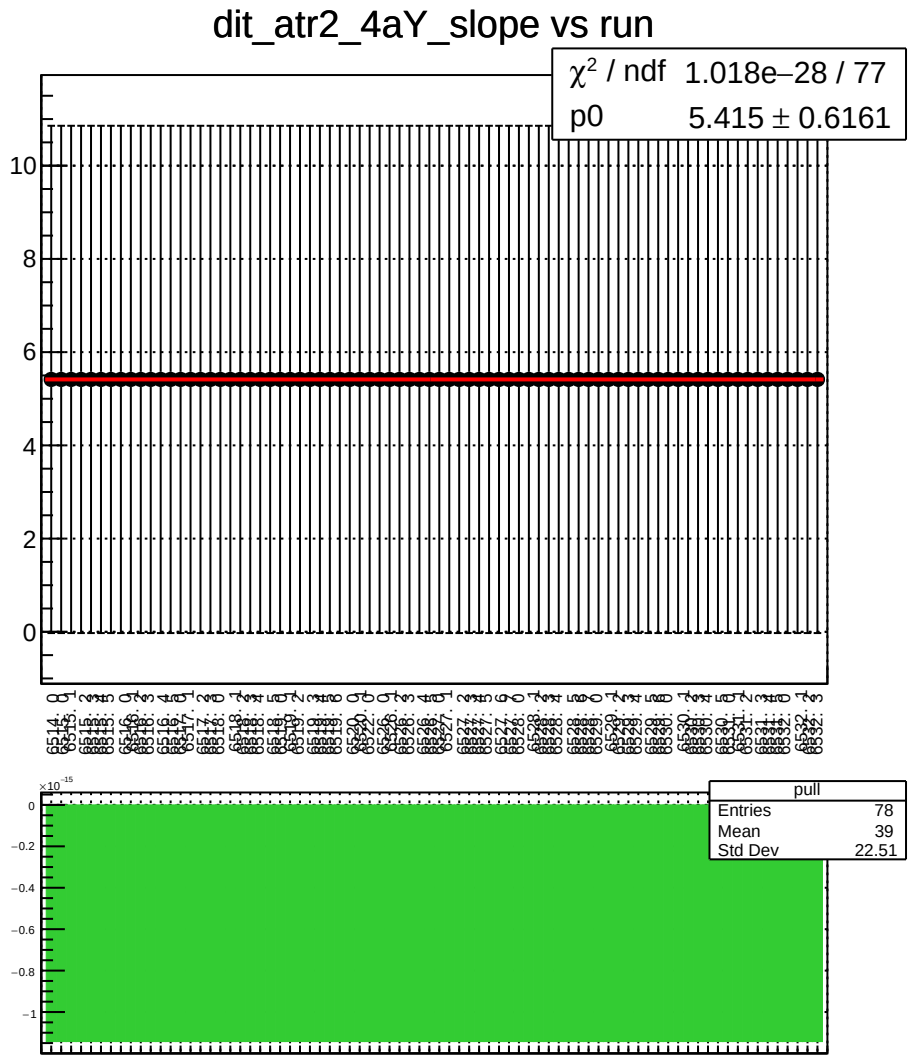

dit_atr2_4aX_slope vs run
χ² / ndf 1.387e−25 / 77
p0 −884.2 ± 3.358
−850
−860
−870
−880
−890
−900
−910
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40

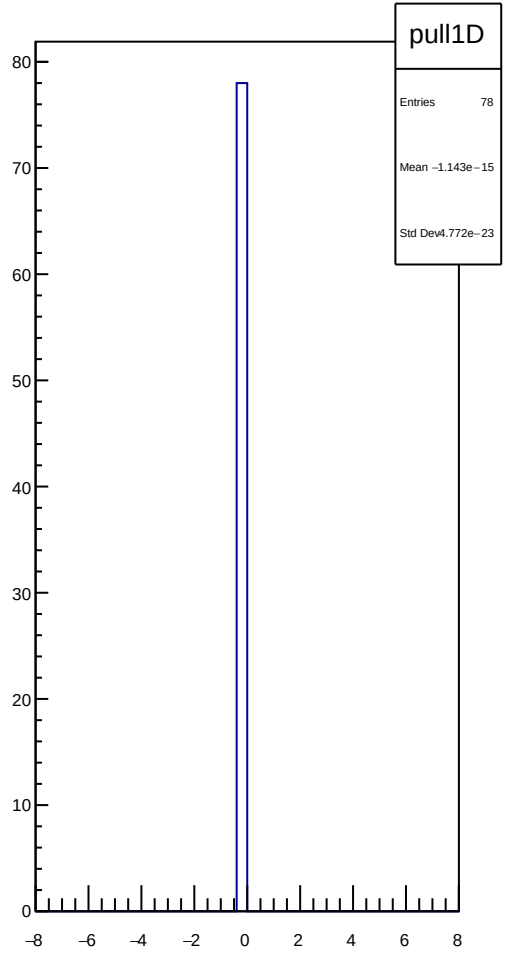

pull1D
Entries 78
Mean −4.217e−14
Std Dev2.396e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

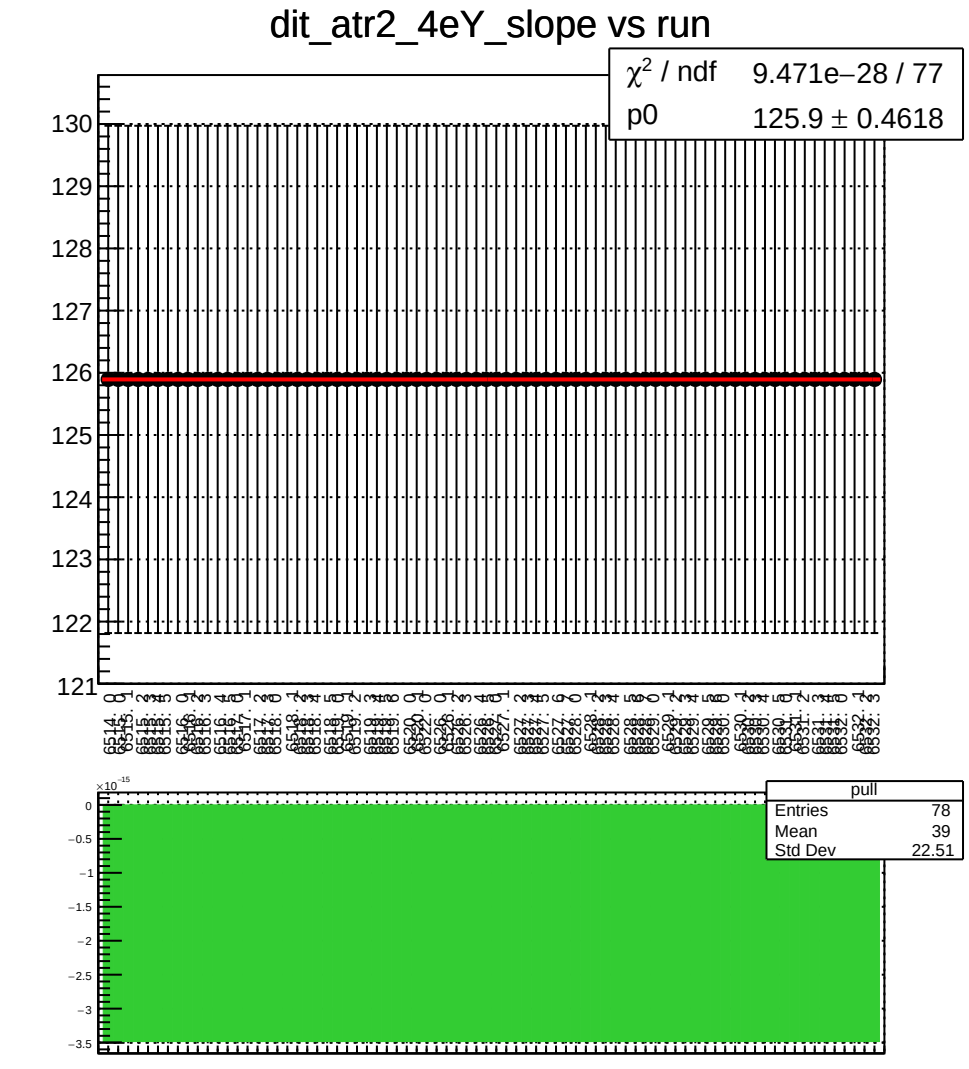

dit_atr2_4eX_slope vs run
χ^2 / ndf 5.998e−26 / 77
p0 1062 ± 3.714
pull
Entries 78
Mean 39
Std Dev 22.51

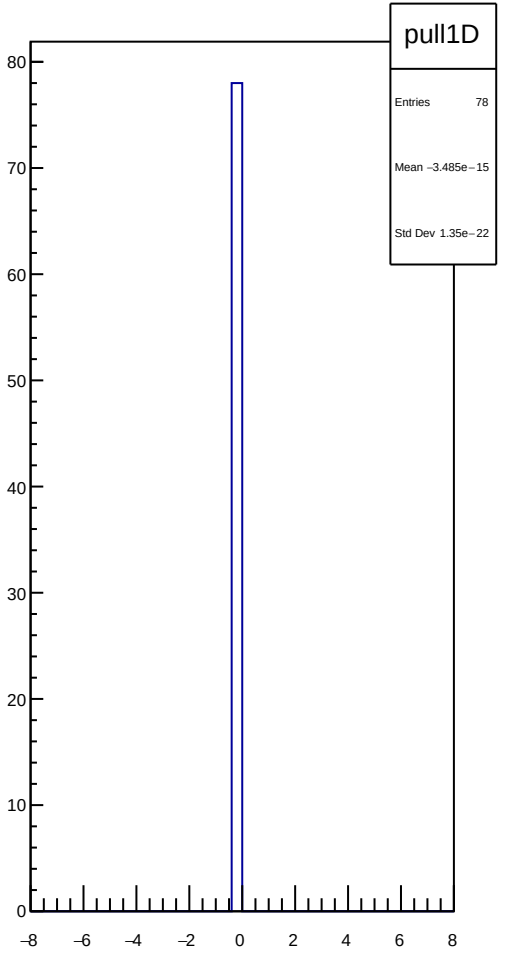

pull1D
Entries 78
Mean 2.773e−14
Std Dev1.037e−21

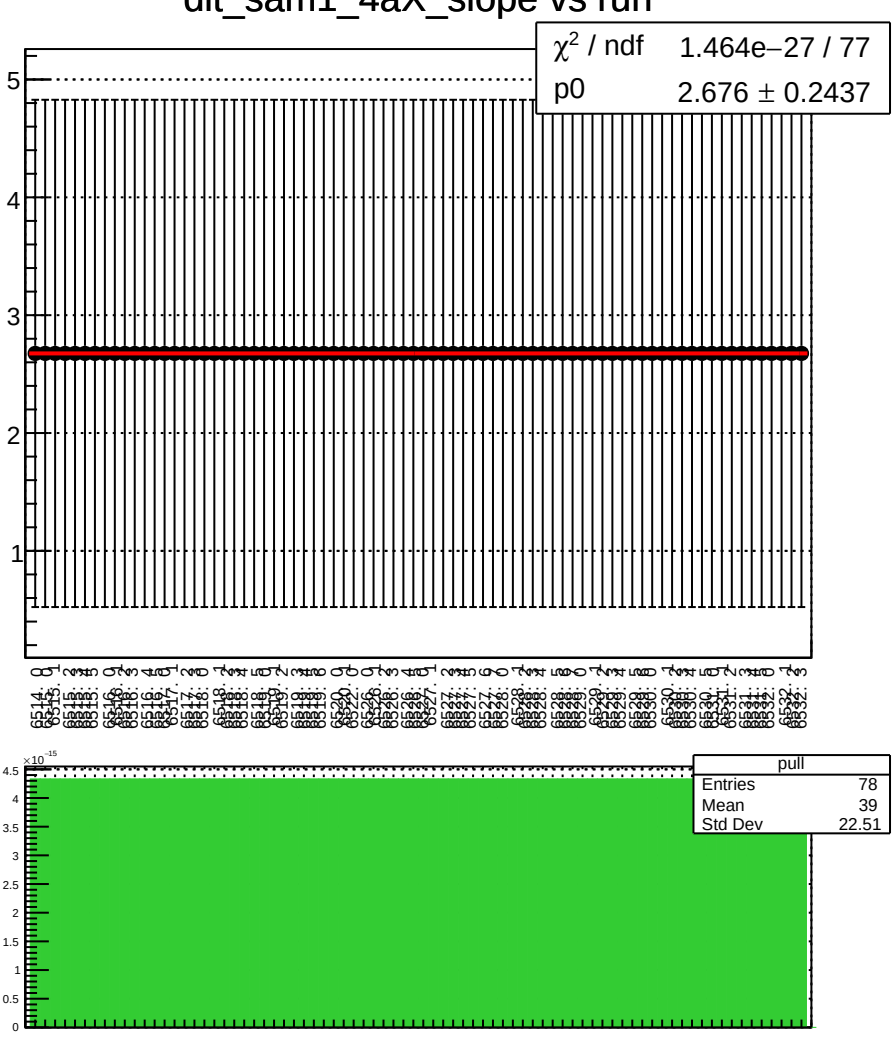

dit_atr2_11X12X_slope vs run
χ² / ndf 1.651e−25 / 77
p0 −281.9 ± 1.119
pull
Entries 78
Mean 39
Std Dev 22.51
pull1D
Entries 78
Mean −4.601e−14
Std Dev3.054e−21

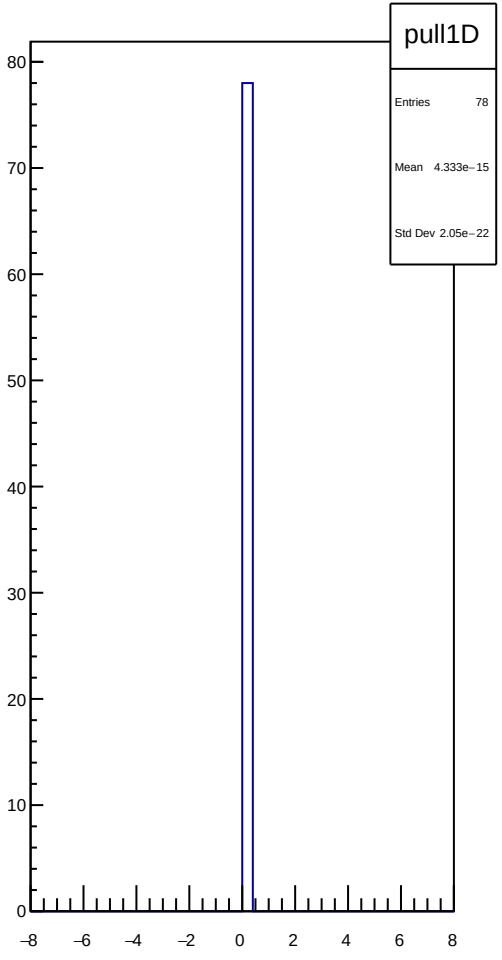

dit_atr2_4aY_slope vs run
χ² / ndf 1.018e−28 / 77
p0 5.415 ± 0.6161
pull
Entries 78
Mean 39
Std Dev 22.51

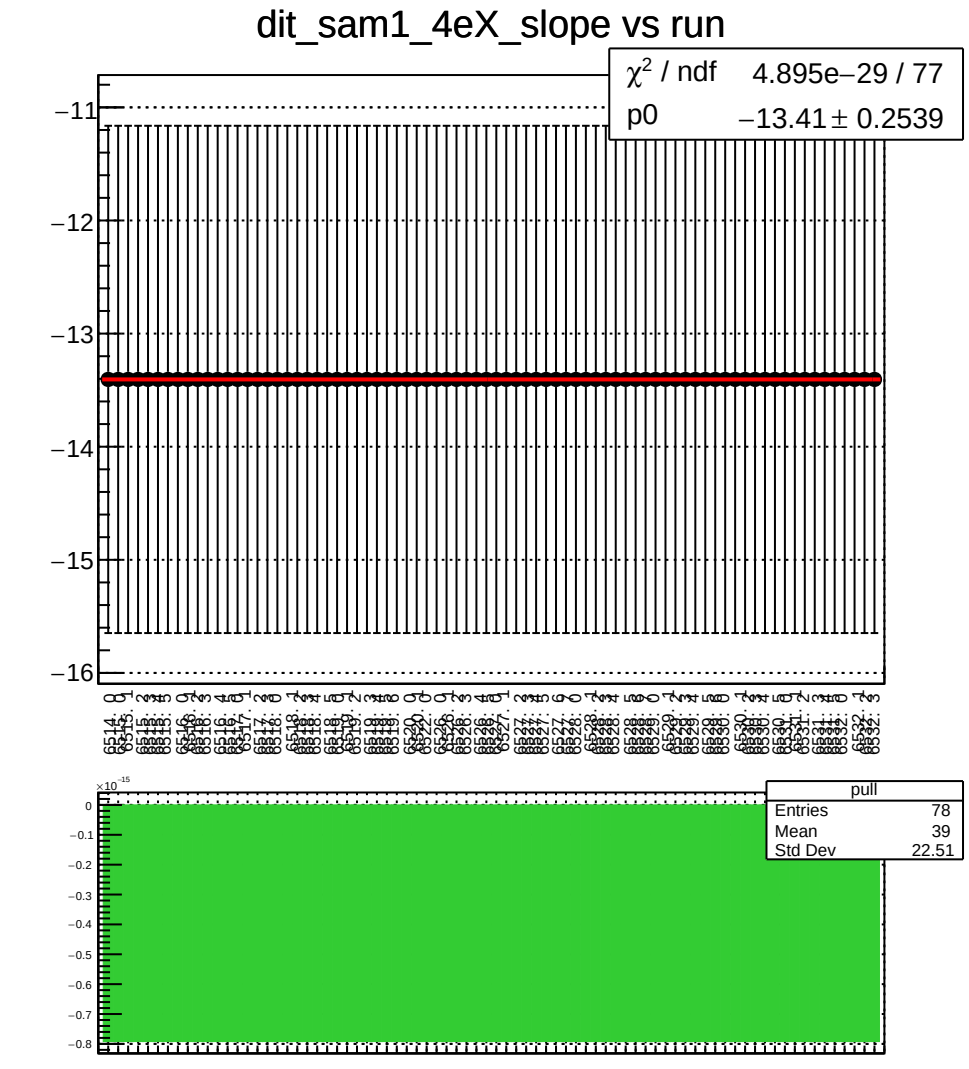

pull1D
Entries 78
Mean −1.143e−15
Std Dev 4.772e−23

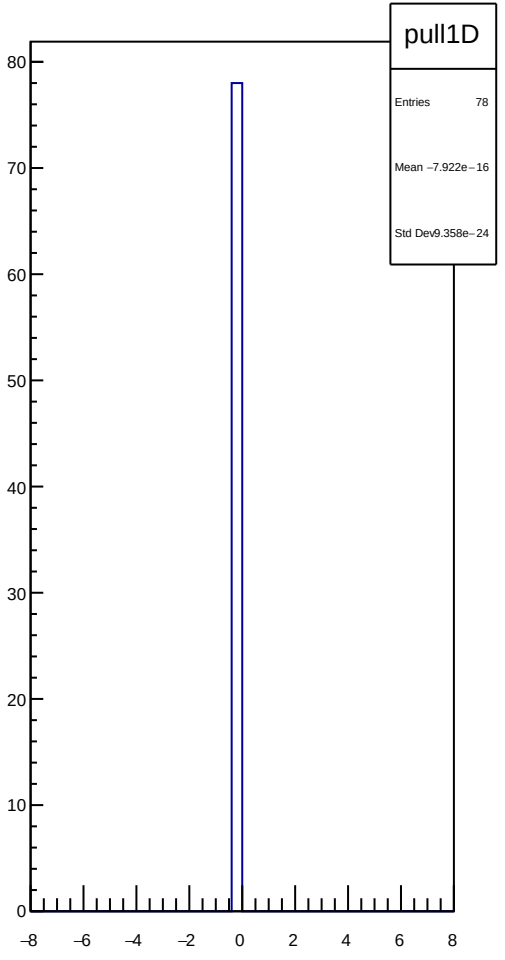

dit_atr2_4eY_slope vs run
χ² / ndf 9.471e−28 / 77
p0 125.9 ± 0.4618
pull
Entries 78
Mean 39
Std Dev 22.51

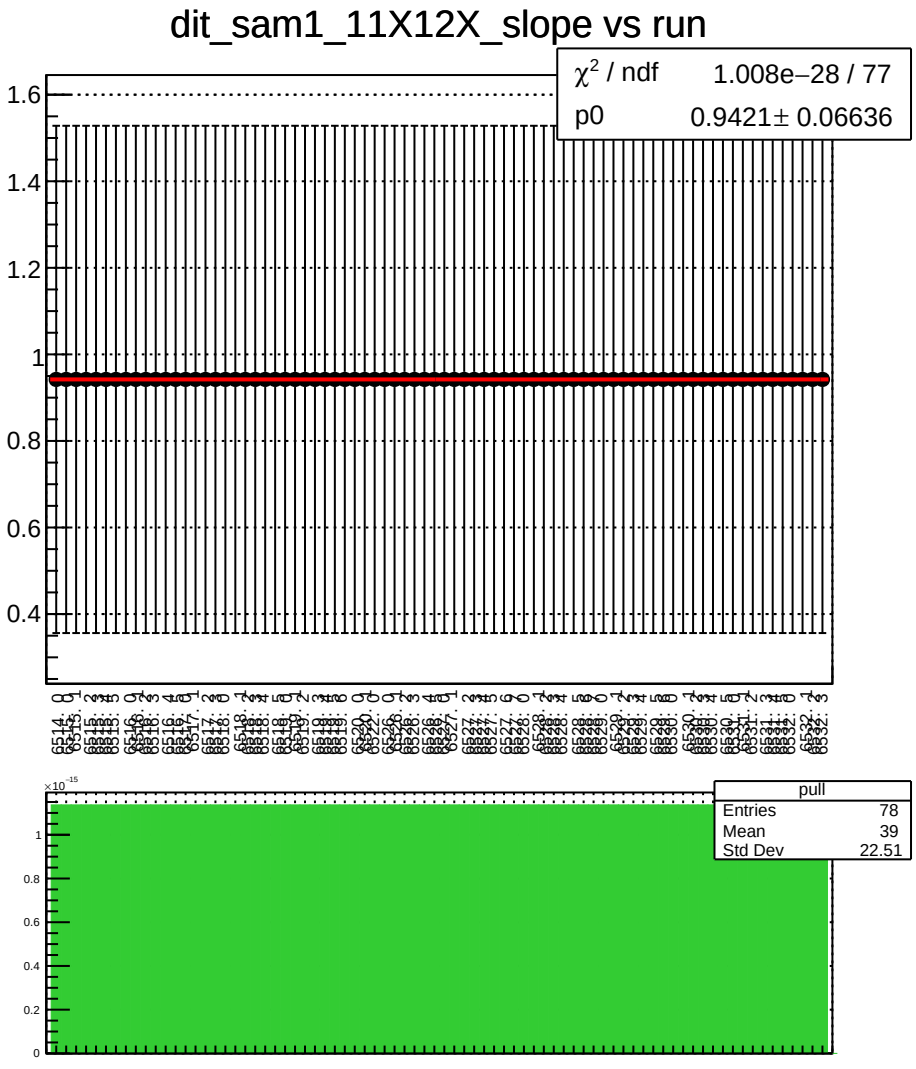

pull1D
Entries 78
Mean −3.485e−15
Std Dev 1.35e−22

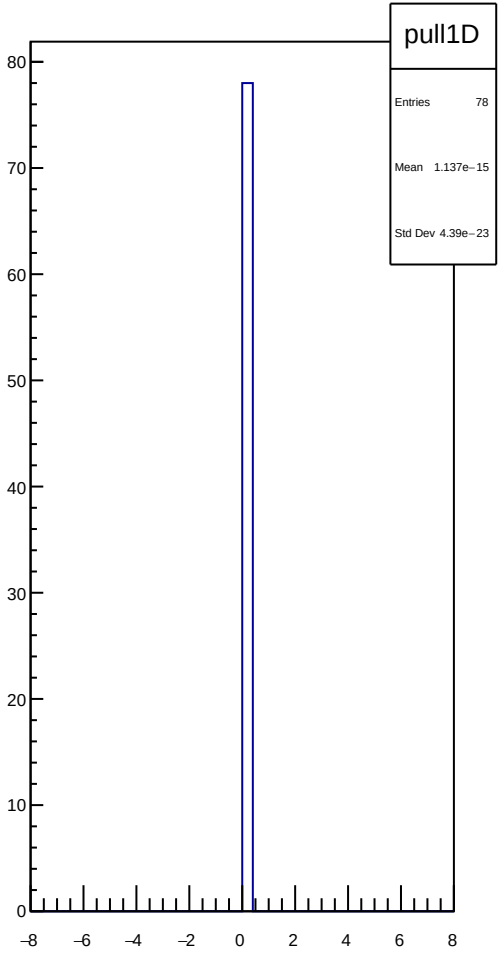

dit_sam1_4aX_slope vs run
χ^2 / ndf 1.464e−27 / 77
p0 2.676 ± 0.2437
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵

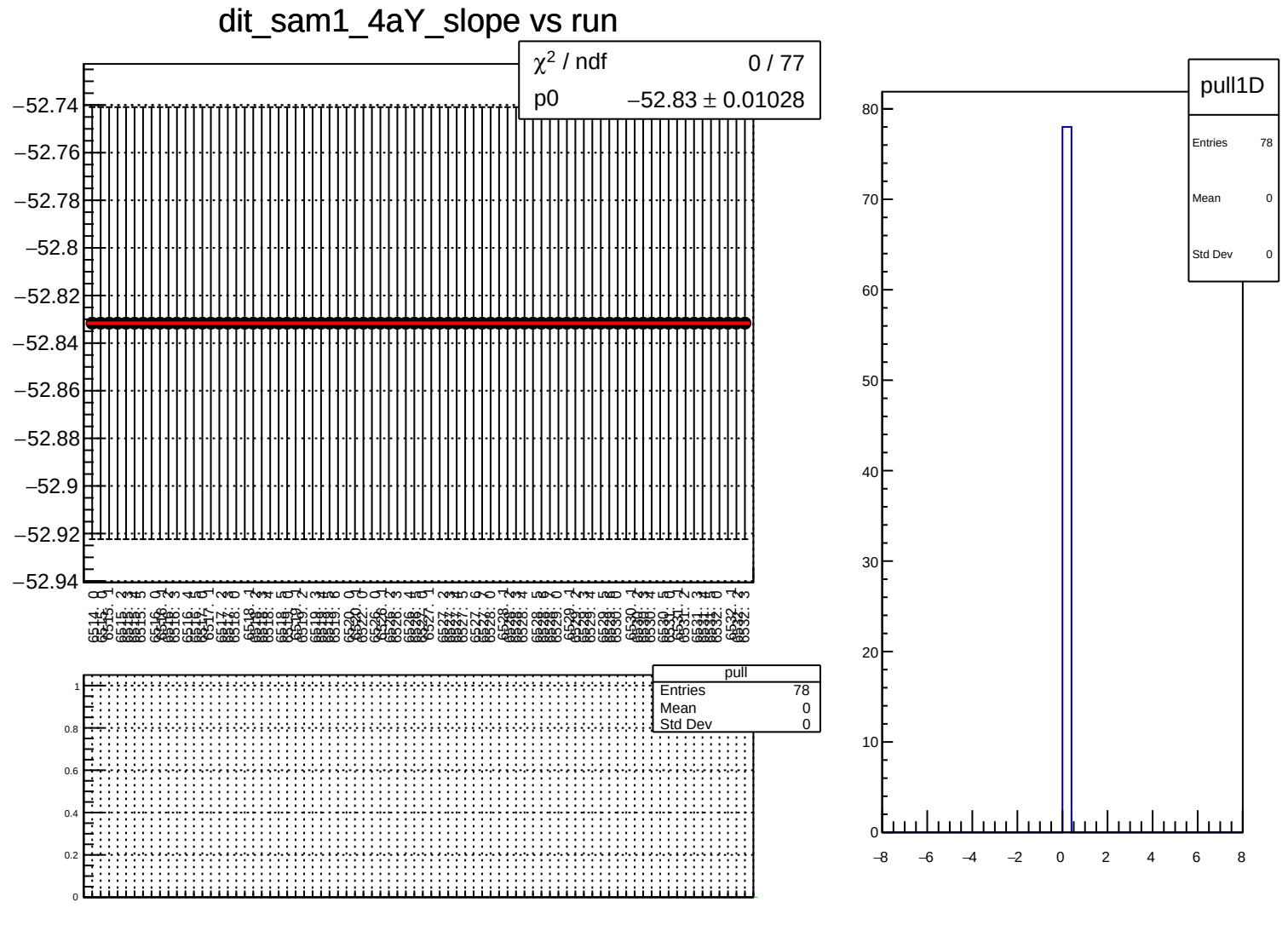

pull1D
Entries 78
Mean 4.333e−15
Std Dev 2.05e−22

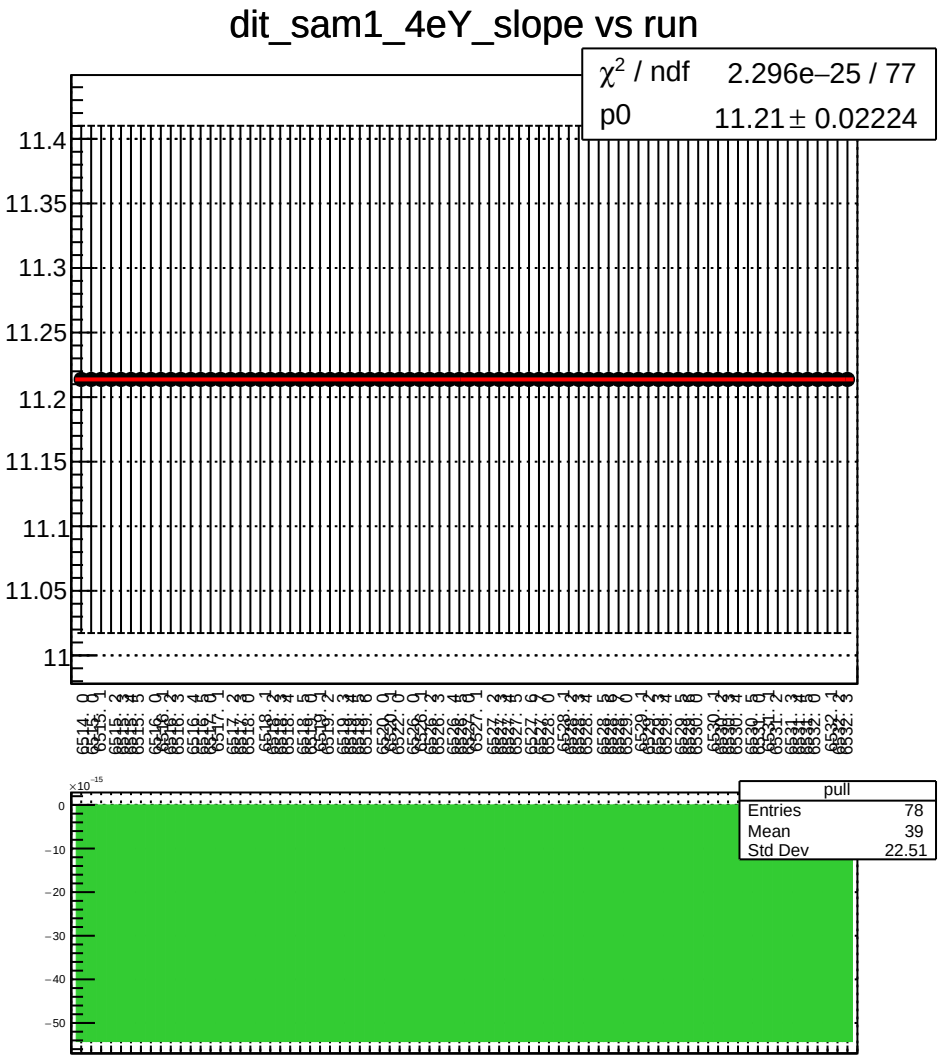

dit_sam1_4eX_slope vs run
χ² / ndf 4.895e−29 / 77
p0 −13.41 ± 0.2539
pull
Entries 78
Mean 39
Std Dev 22.51

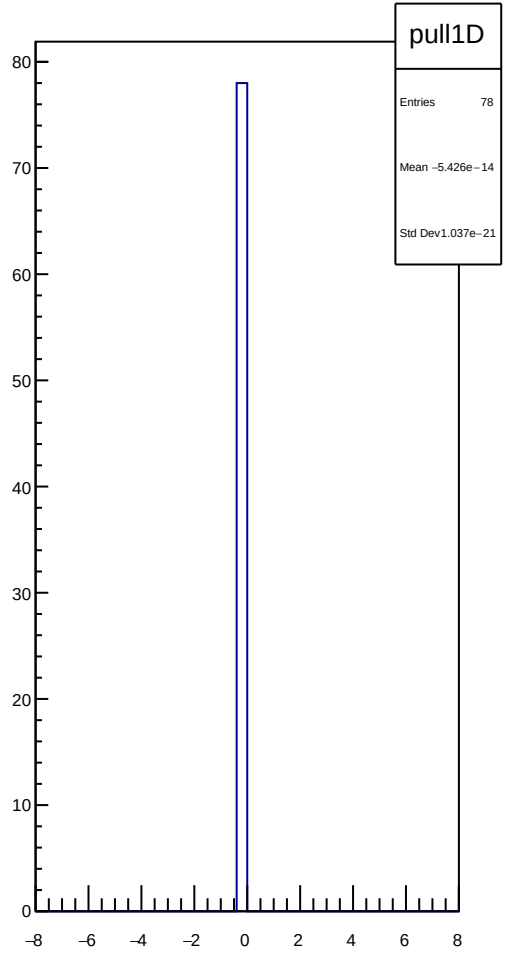

pull1D
Entries 78
Mean −7.922e−16
Std Dev 9.358e−24

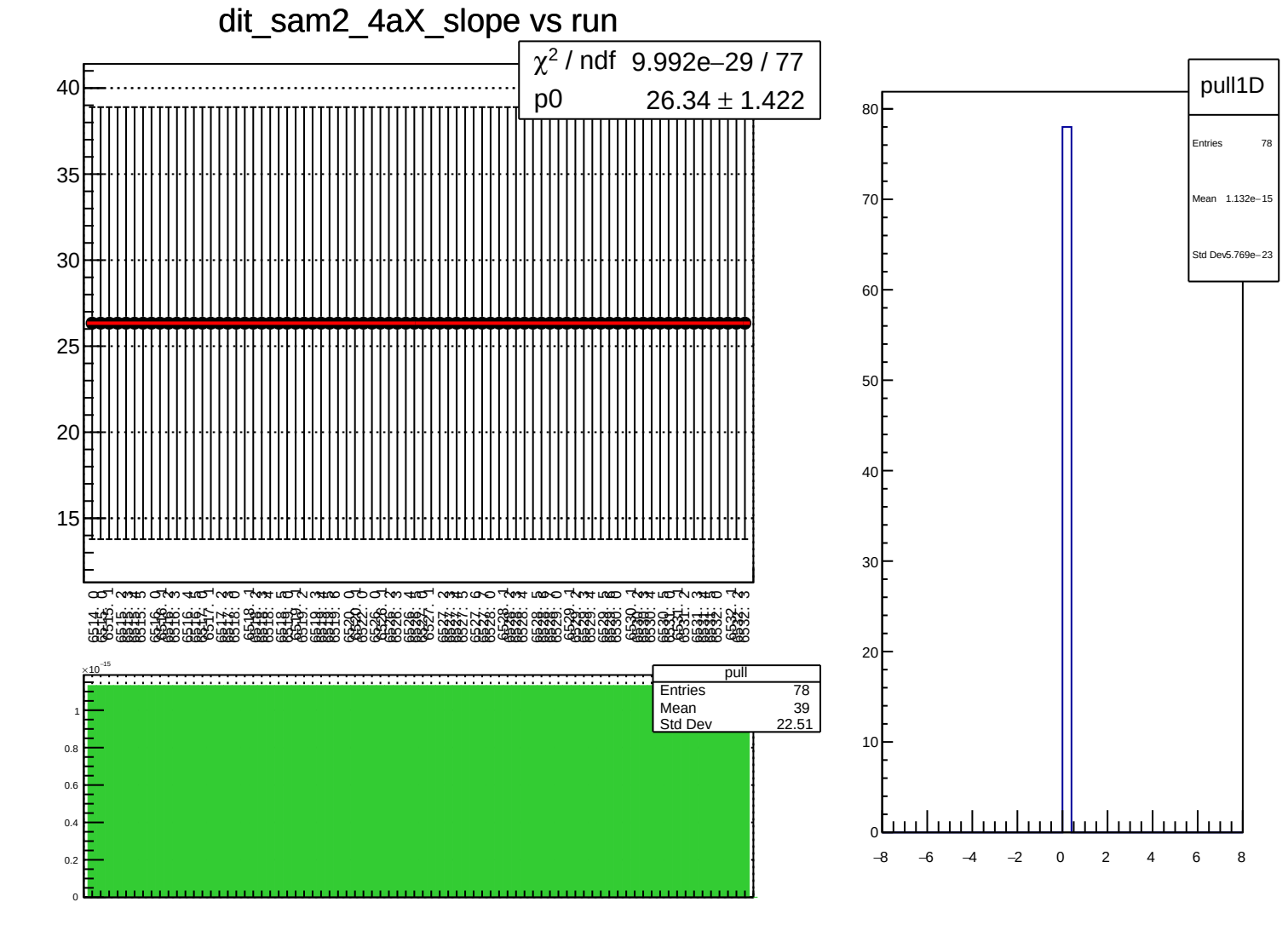

dit_sam1_11X12X_slope vs run
χ^2 / ndf 1.008e−28 / 77
p0 0.9421± 0.06636
pull
Entries 78
Mean 39
Std Dev 22.51

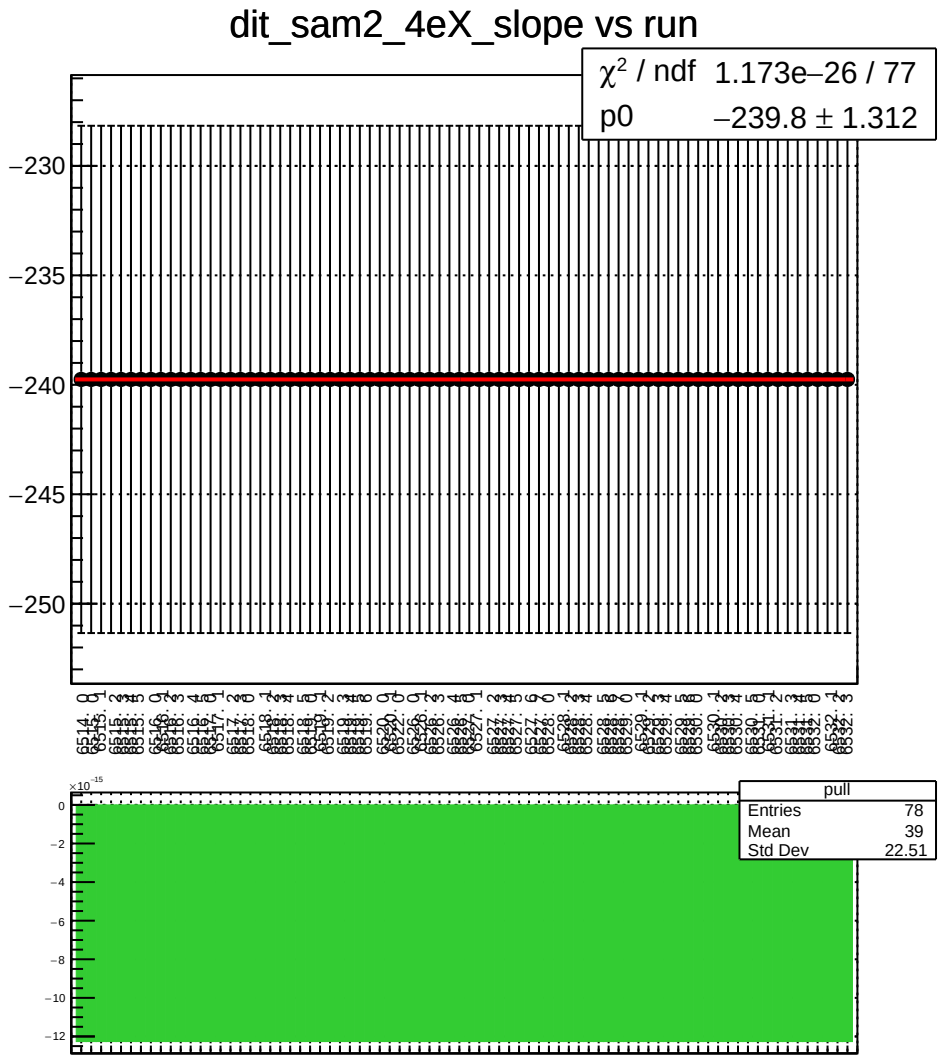

pull1D
Entries 78
Mean 1.137e−15
Std Dev 4.39e−23

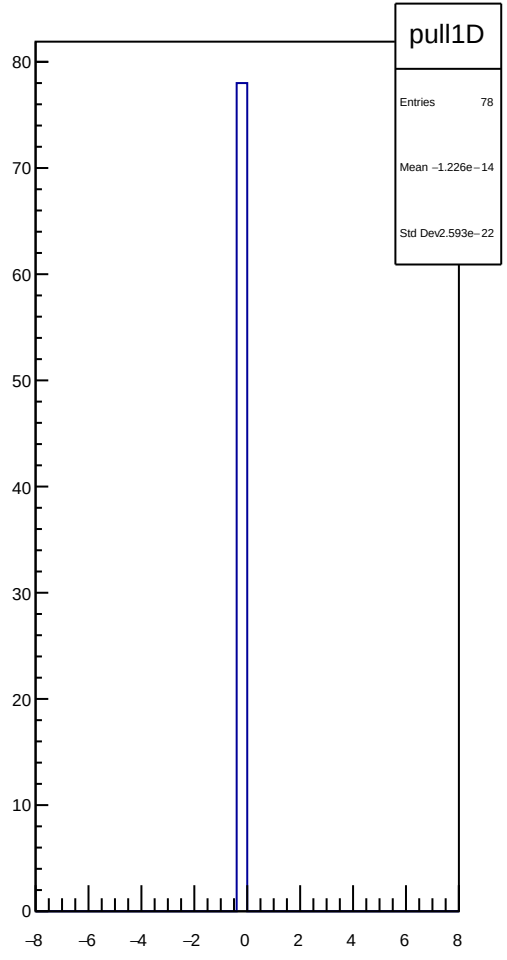

dit_sam1_4aY_slope vs run
χ² / ndf 0 / 77
p0 −52.83 ± 0.01028
−52.74
−52.76
−52.78
−52.8
−52.82
−52.84
−52.86
−52.88
−52.9
−52.92
−52.94
pull
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 78
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

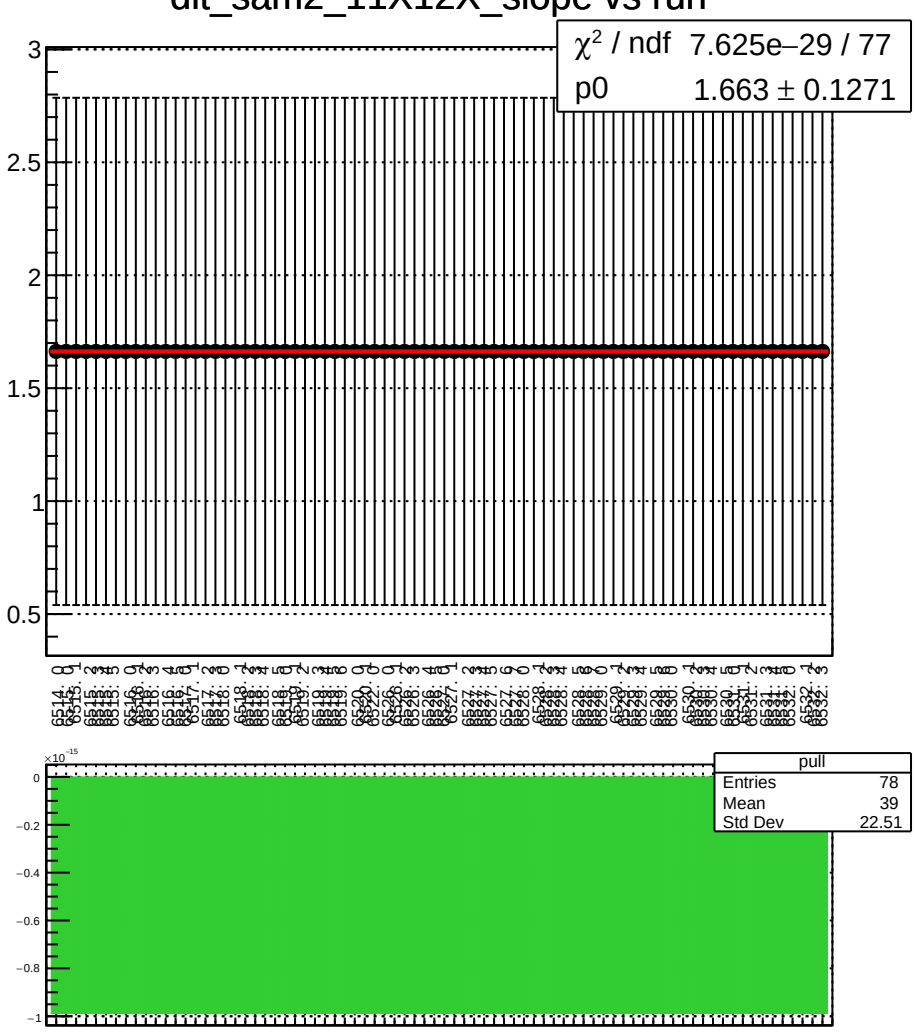

dit_sam1_4eY_slope vs run
χ² / ndf 2.296e−25 / 77
p0 11.21 ± 0.02224
11.4
11.35
11.3
11.25
11.2
11.15
11.1
11.05
11
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
0
−10
−20
−30
−40
−50

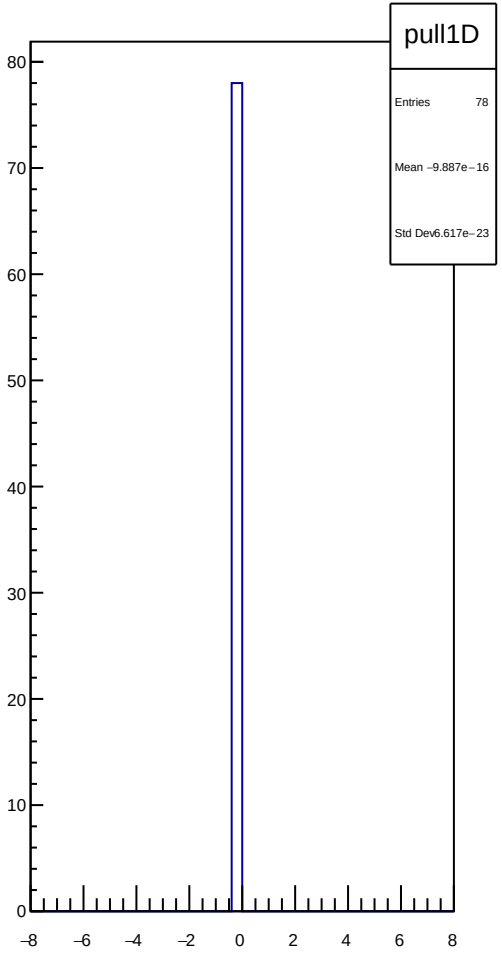

pull1D
Entries 78
Mean −5.426e−14
Std Dev1.037e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

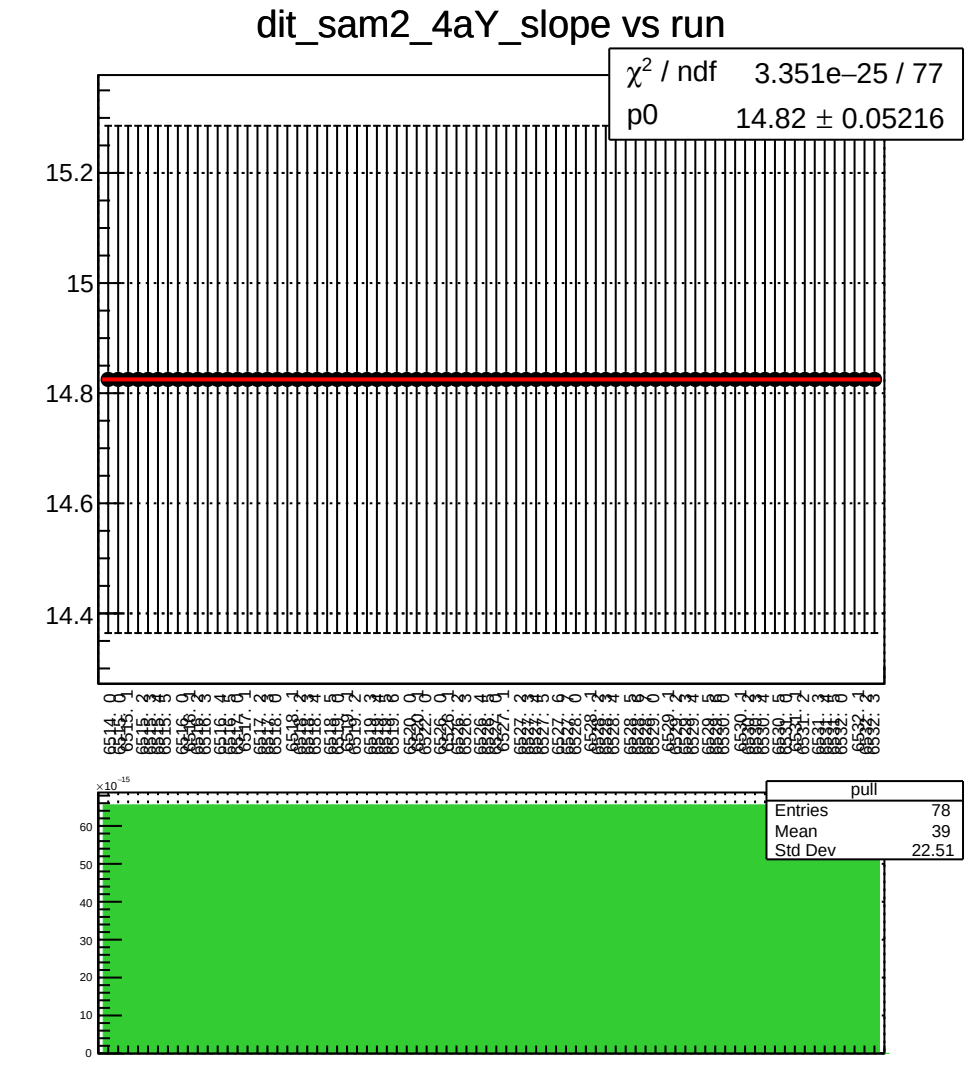

dit_sam2_4aX_slope vs run
χ^2 / ndf 9.992e−29 / 77
p0 26.34 ± 1.422
pull
Entries 78
Mean 39
Std Dev 22.51
pull1D
Entries 78
Mean 1.132e−15
Std Dev 5.769e−23

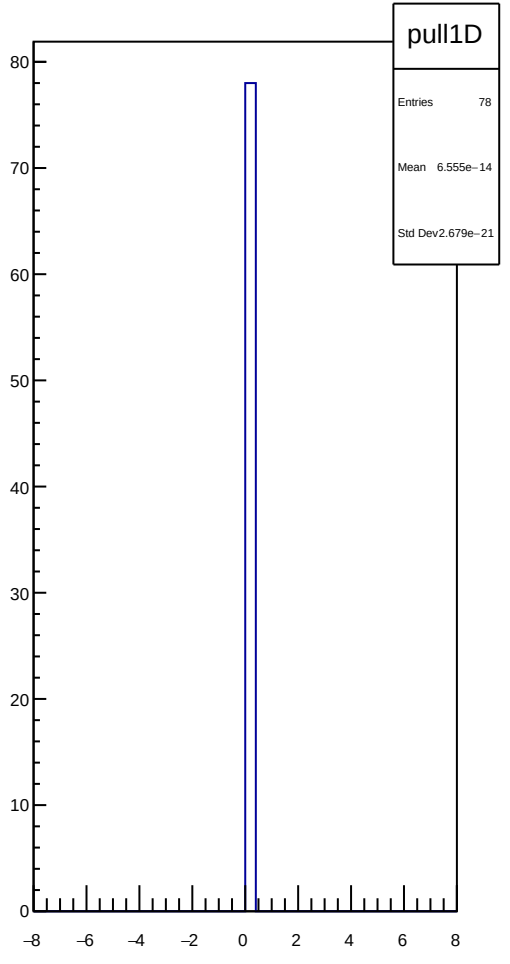

dit_sam2_4eX_slope vs run
χ² / ndf 1.173e−26 / 77
p0 −239.8 ± 1.312
−230
−235
−240
−245
−250
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12

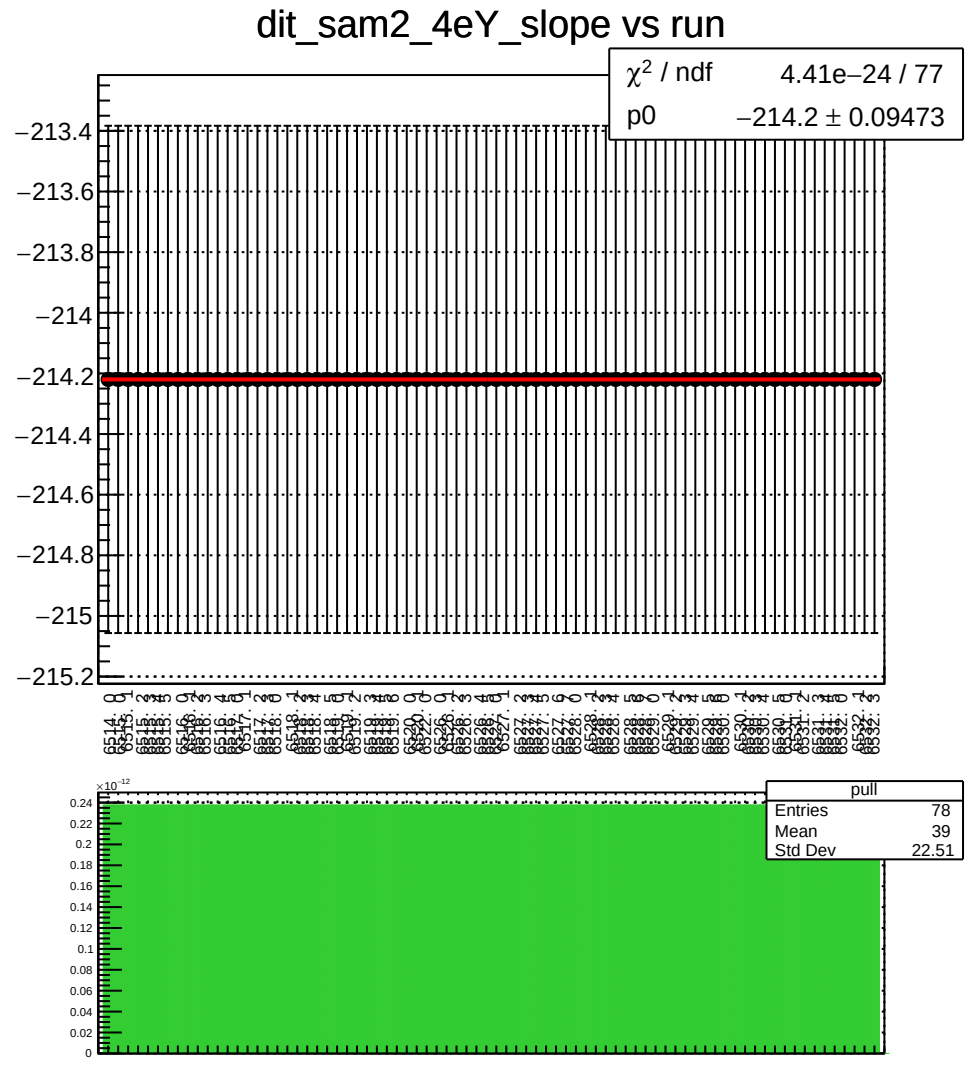

pull1D
Entries 78
Mean −1.226e−14
Std Dev 2.593e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

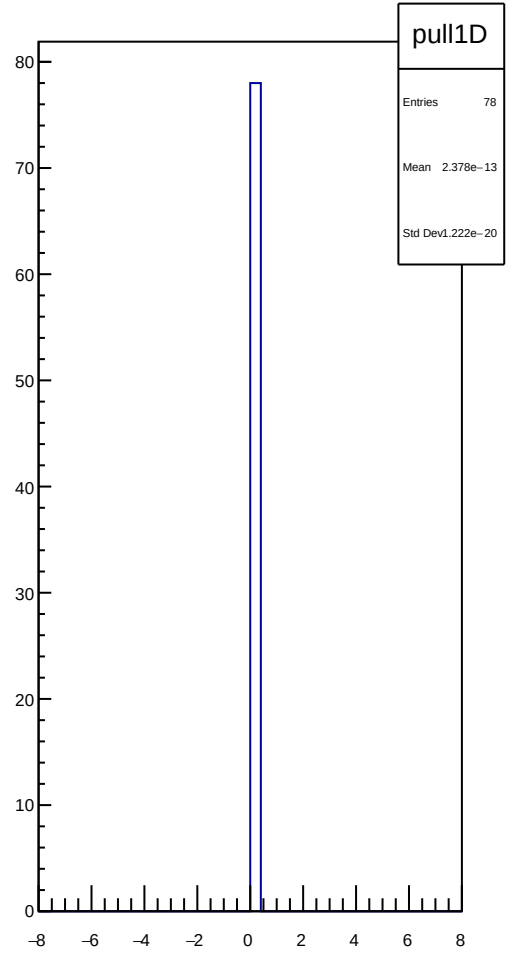

dit_sam2_11X12X_slope vs run
χ² / ndf 7.625e−29 / 77
p0 1.663 ± 0.1271
pull
Entries 78
Mean 39
Std Dev 22.51

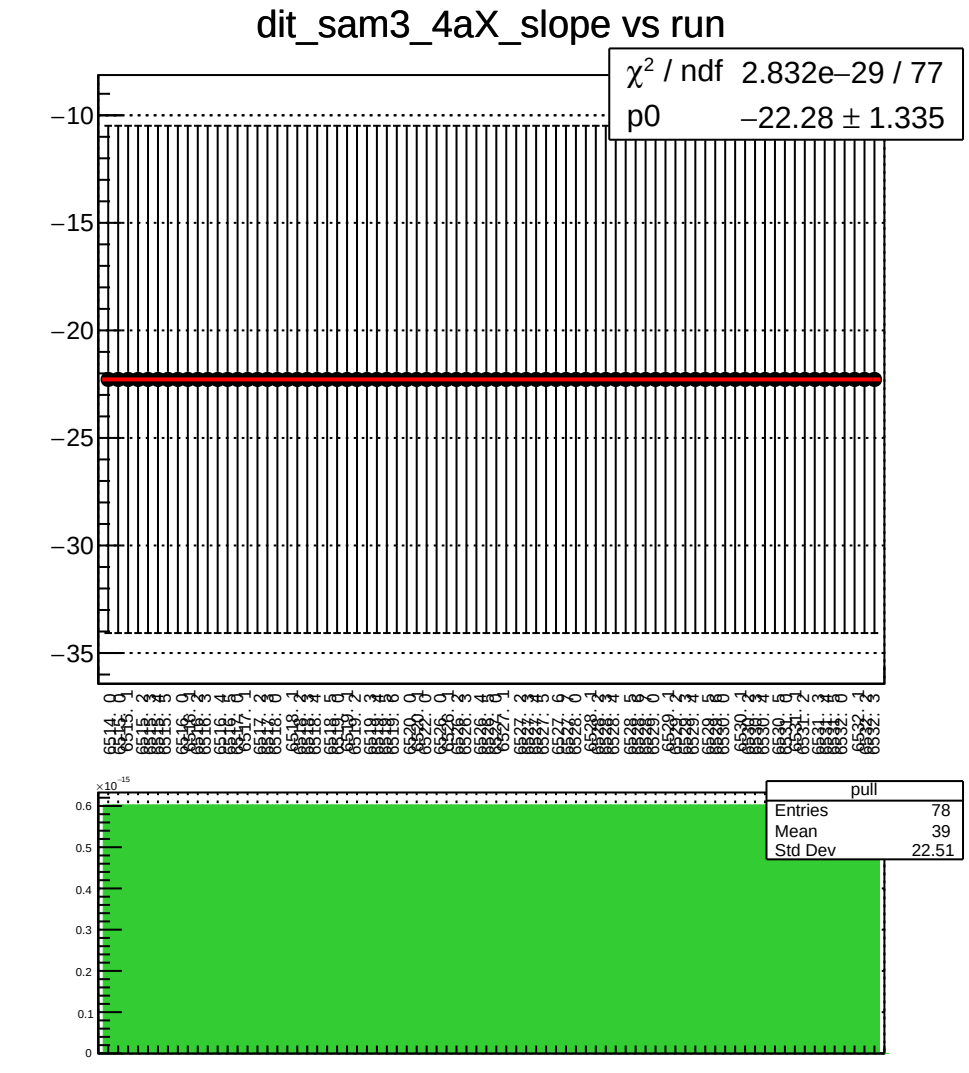

pull1D
Entries 78
Mean −9.887e−16
Std Dev 6.617e−23

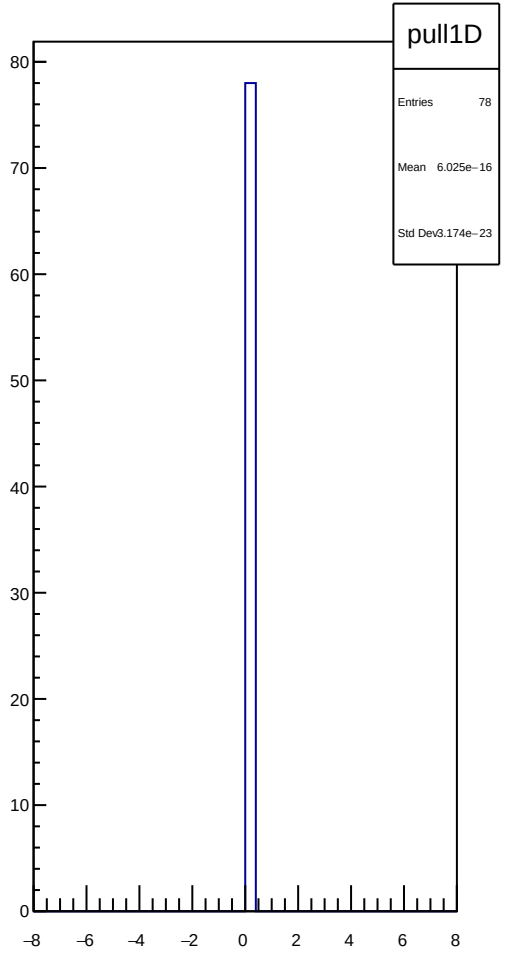

dit_sam2_4aY_slope vs run
χ² / ndf 3.351e−25 / 77
p0 14.82 ± 0.05216
15.2
15
14.8
14.6
14.4
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
60
50
40
30
20
10
0

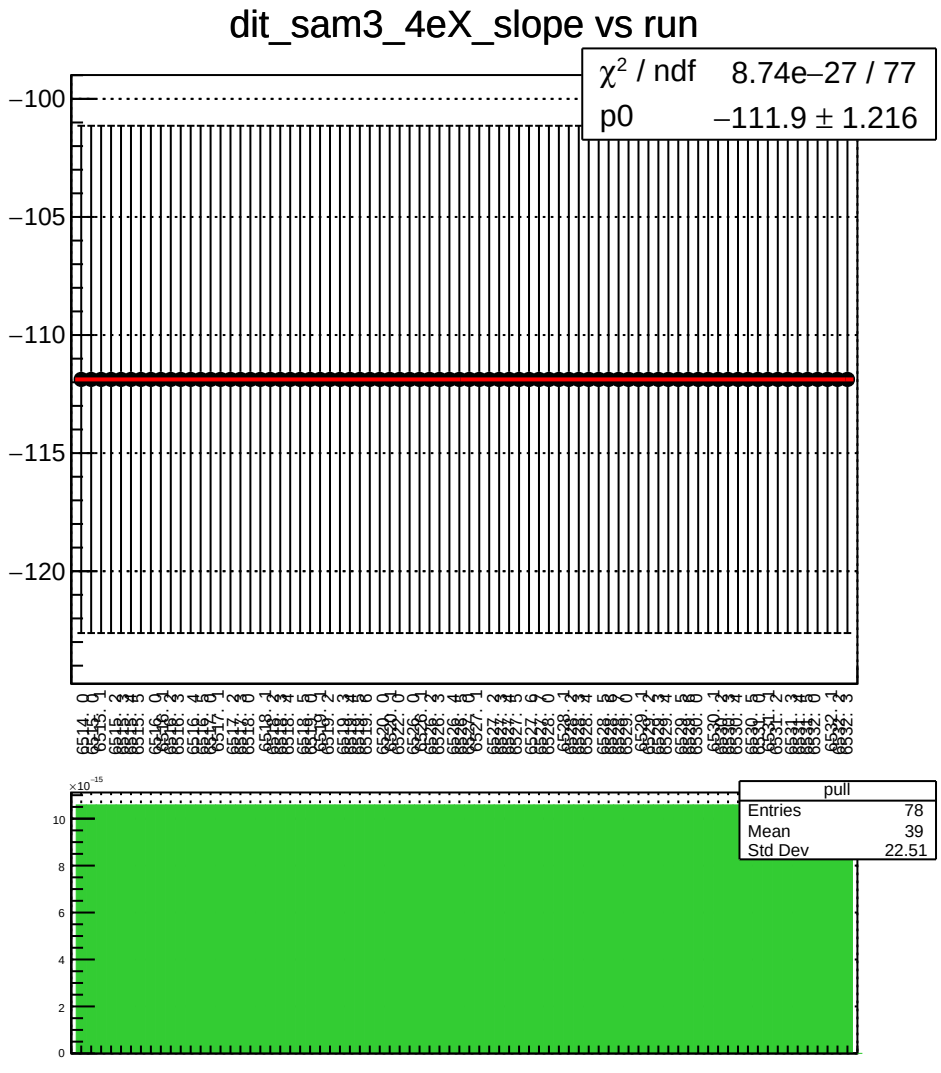

pull1D
Entries 78
Mean 6.555e−14
Std Dev2.679e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

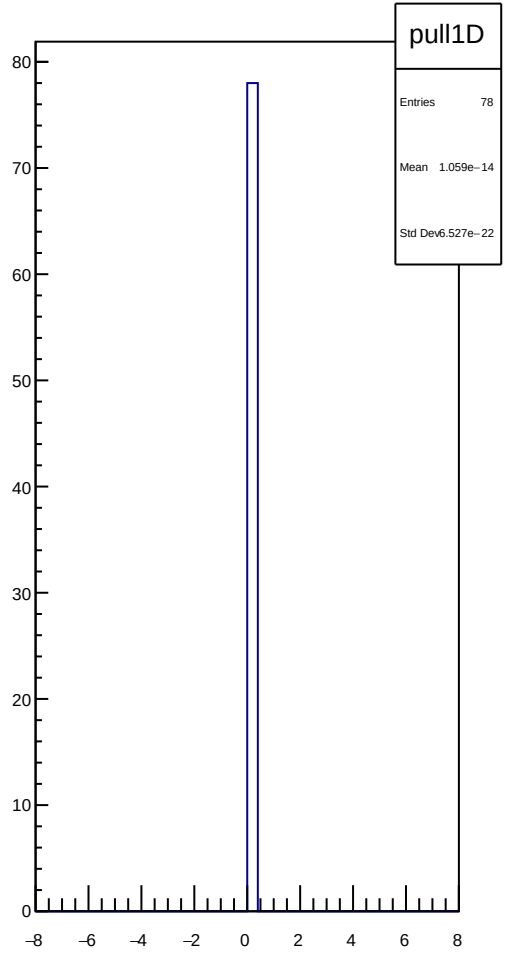

dit_sam2_4eY_slope vs run
χ² / ndf 4.41e−24 / 77
p0 −214.2 ± 0.09473
−213.4
−213.6
−213.8
−214
−214.2
−214.4
−214.6
−214.8
−215
−215.2
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

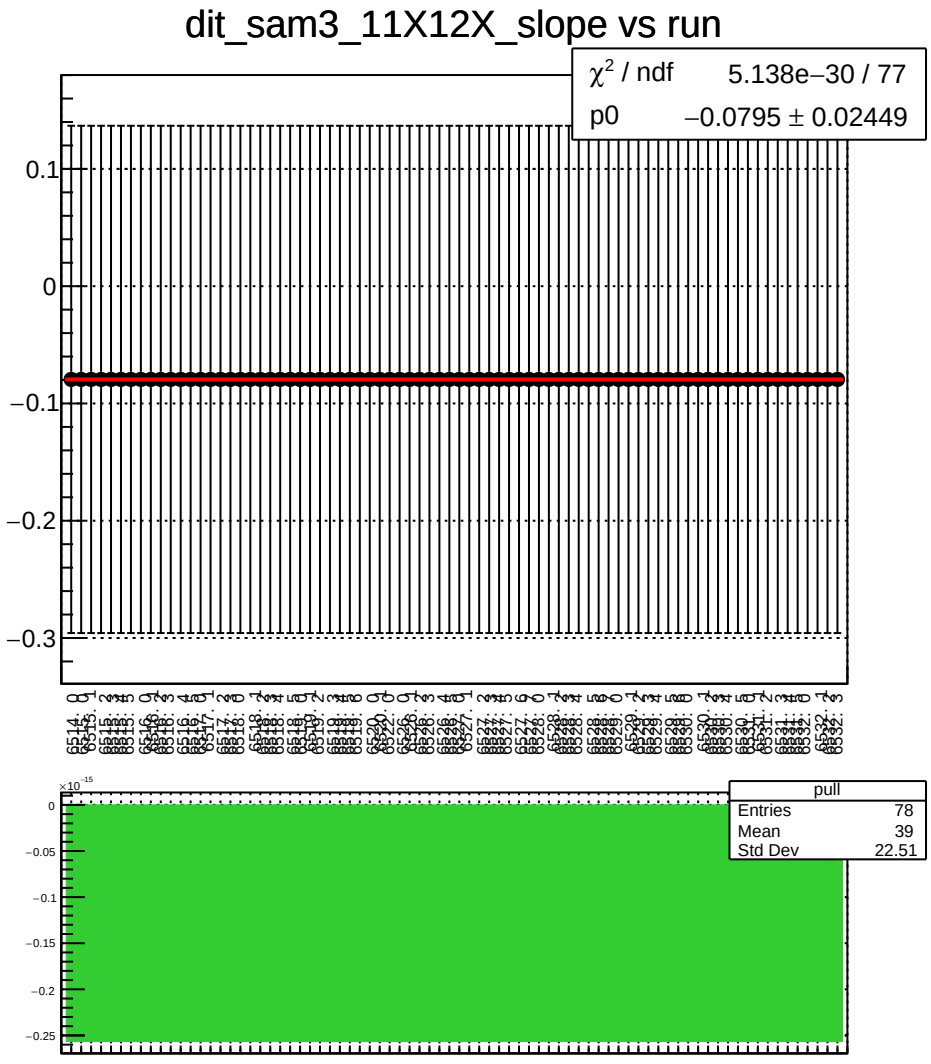

pull1D
Entries 78
Mean 2.378e−13
Std Dev1.222e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

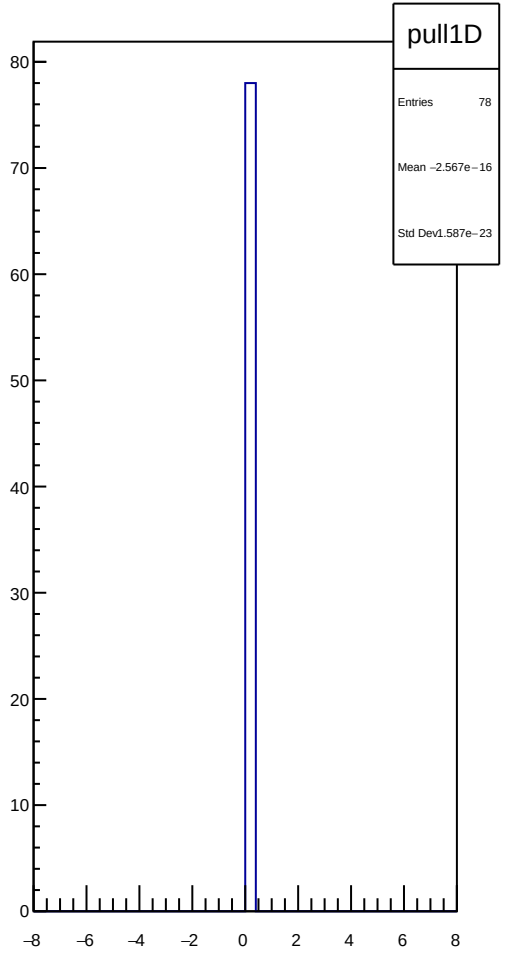

dit_sam3_4aX_slope vs run
χ² / ndf 2.832e−29 / 77
p0 −22.28 ± 1.335
−10
−15
−20
−25
−30
−35
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
0.6
0.5
0.4
0.3
0.2
0.1
0

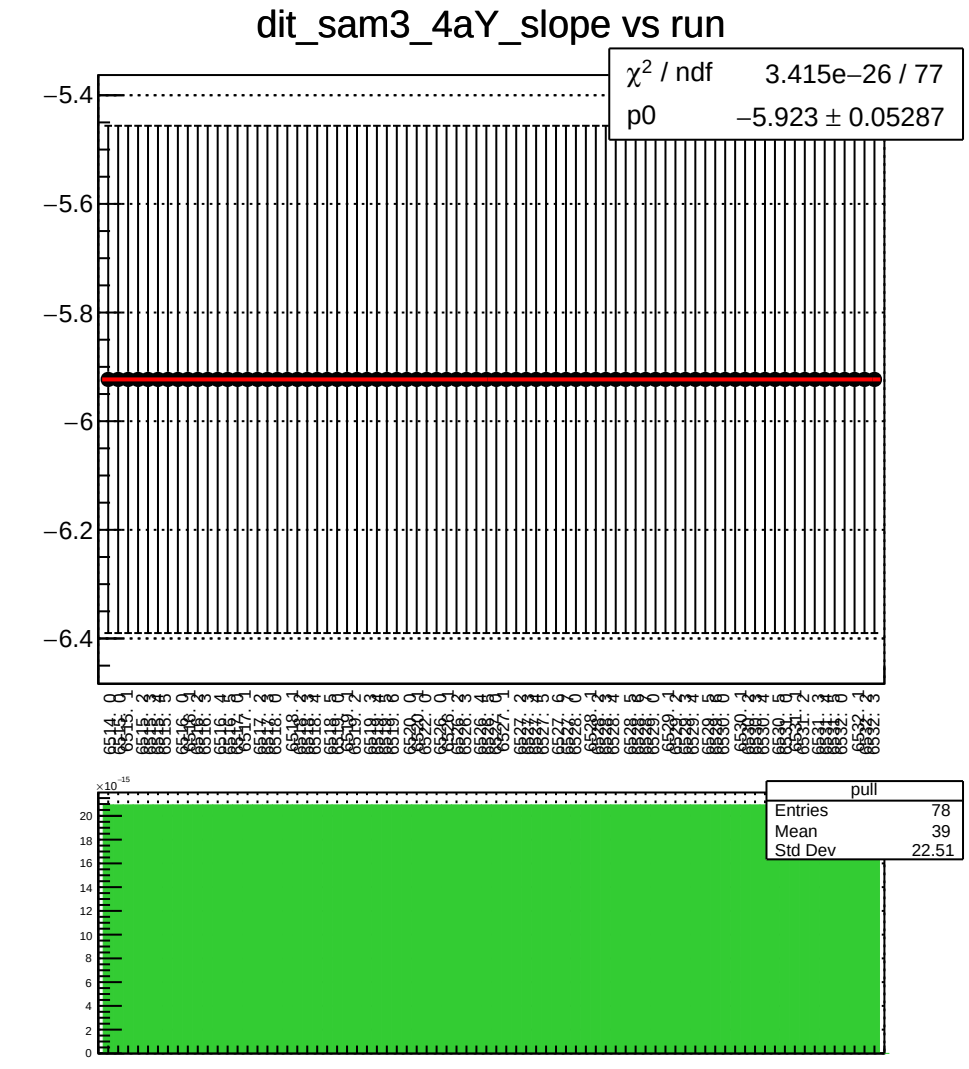

pull1D
Entries 78
Mean 6.025e−16
Std Dev 3.174e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

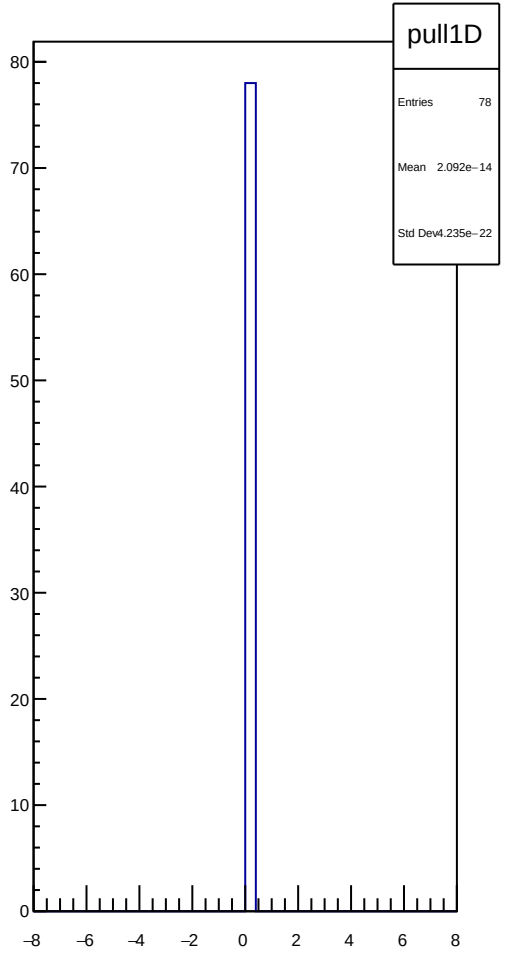

dit_sam3_4eX_slope vs run
χ² / ndf 8.74e−27 / 77
p0 −111.9 ± 1.216
−100
−105
−110
−115
−120
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
10
8
6
4
2
0

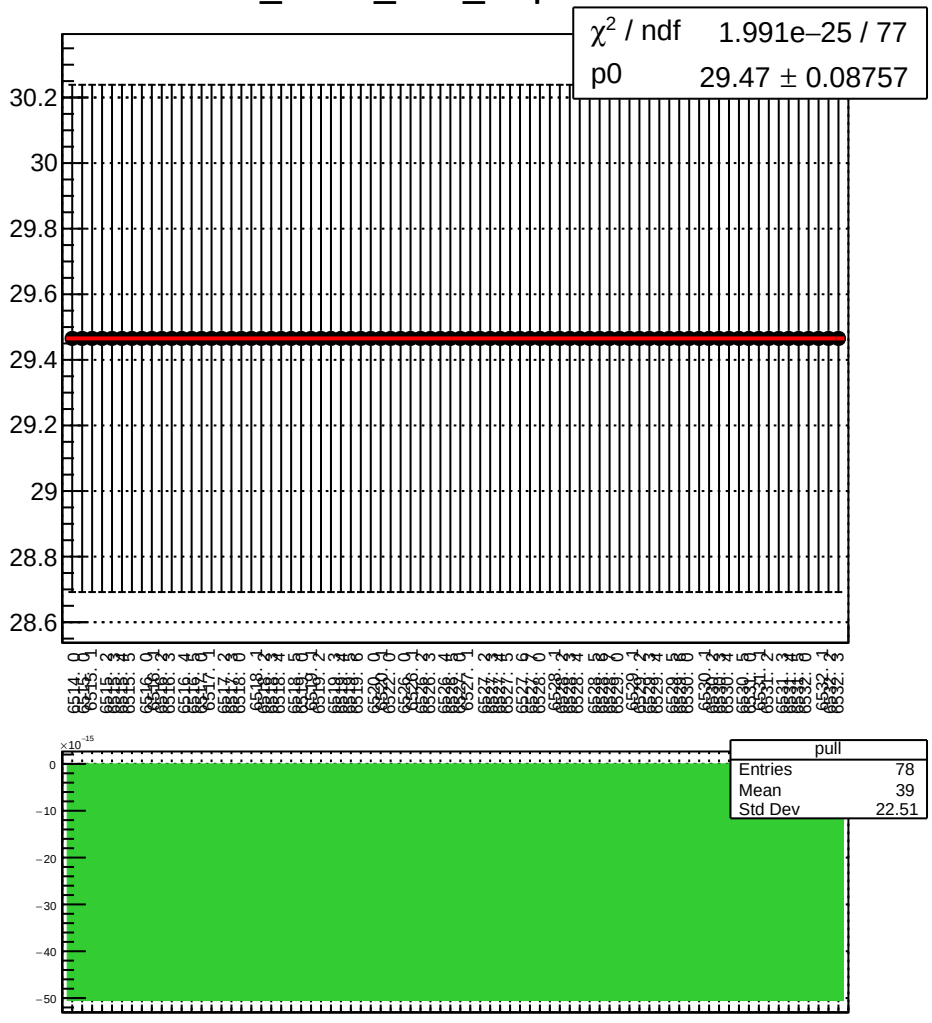

pull1D
Entries 78
Mean 1.059e−14
Std Dev 6.527e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

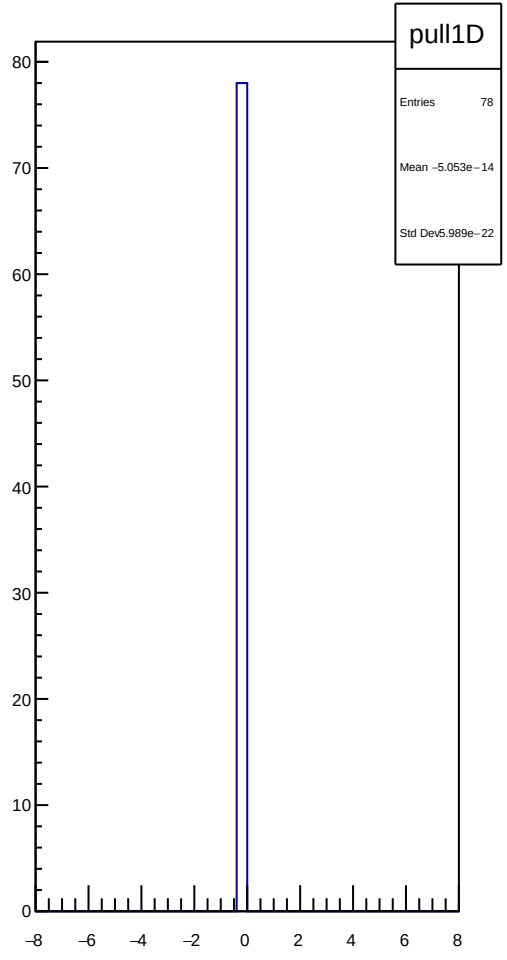

dit_sam3_11X12X_slope vs run
χ² / ndf 5.138e−30 / 77
p0 −0.0795 ± 0.02449
0.1
0
−0.1
−0.2
−0.3
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
0
−0.05
−0.1
−0.15
−0.2
−0.25

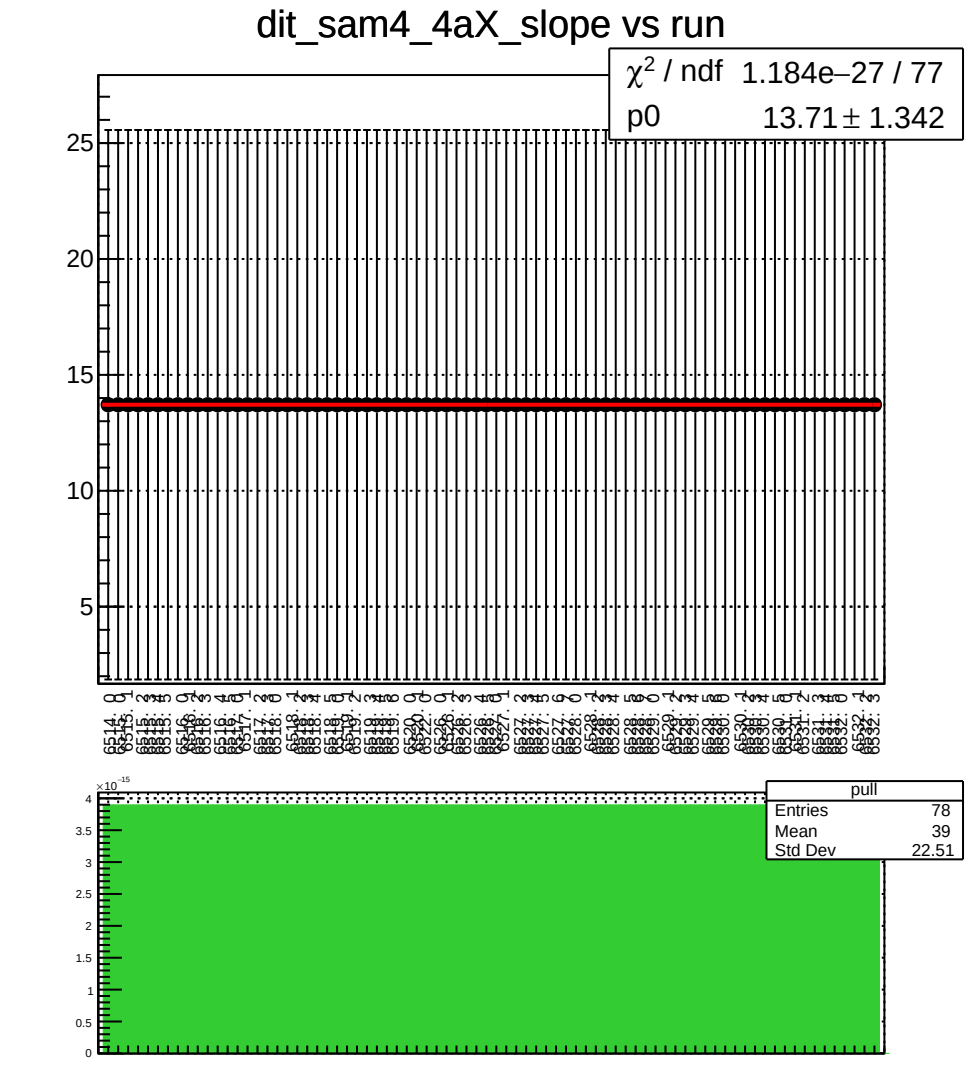

pull1D
Entries 78
Mean −2.567e−16
Std Dev1.587e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

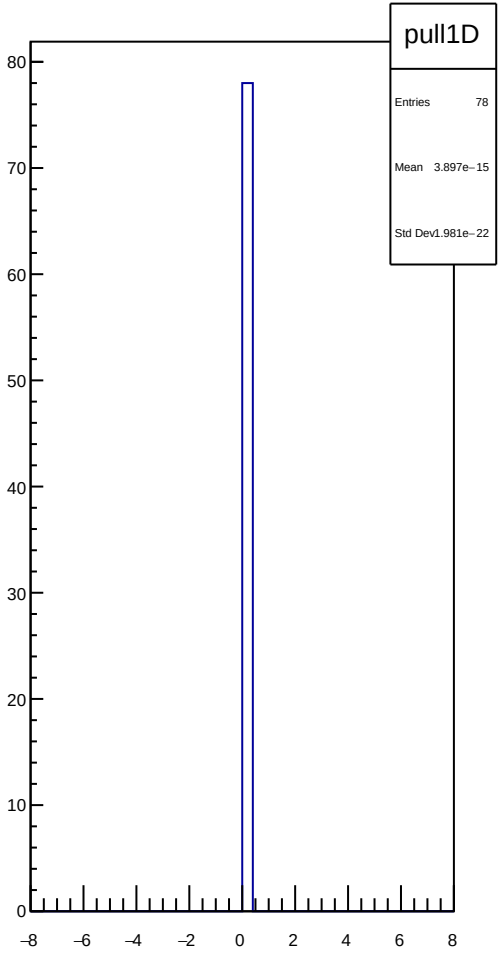

dit_sam3_4aY_slope vs run
χ² / ndf 3.415e−26 / 77
p0 −5.923 ± 0.05287
−5.4
−5.6
−5.8
−6
−6.2
−6.4
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
20
18
16
14
12
10
8
6
4
2
0

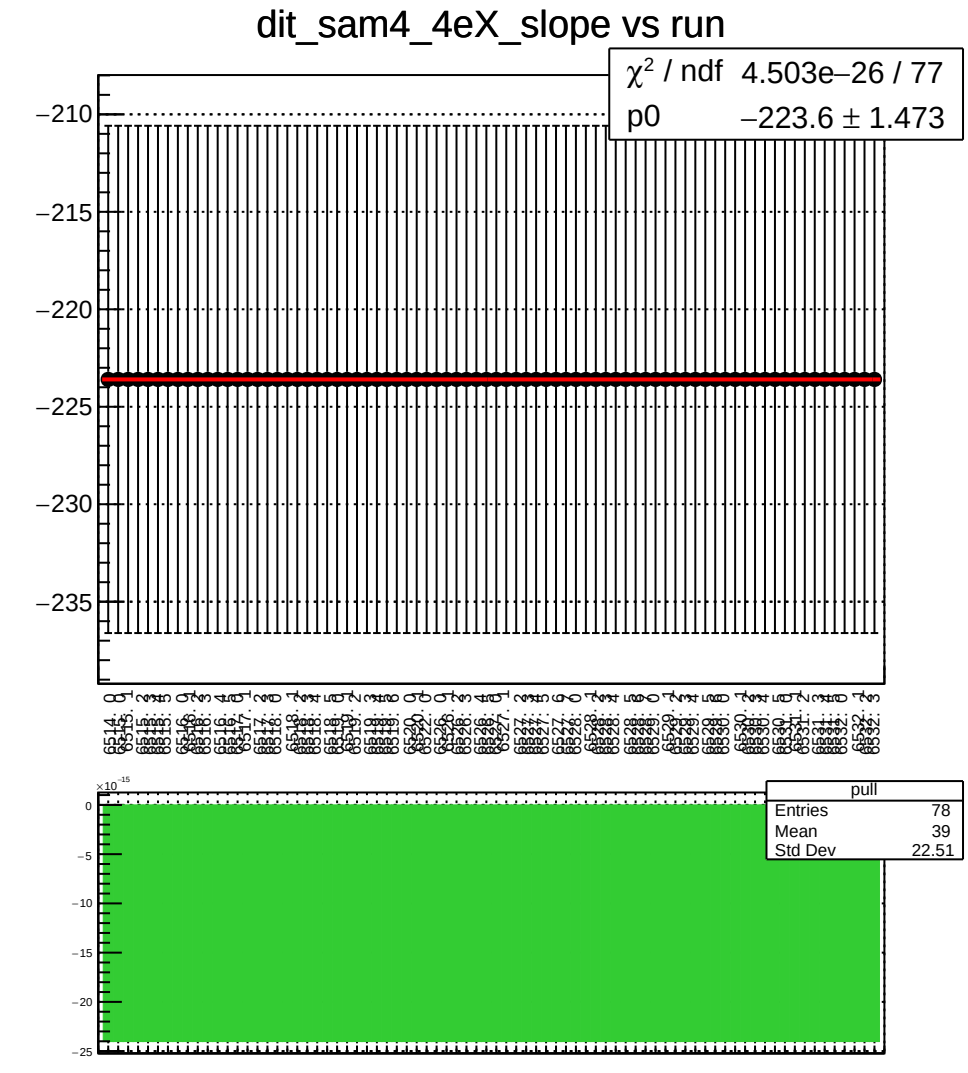

pull1D
Entries 78
Mean 2.092e−14
Std Dev4.235e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

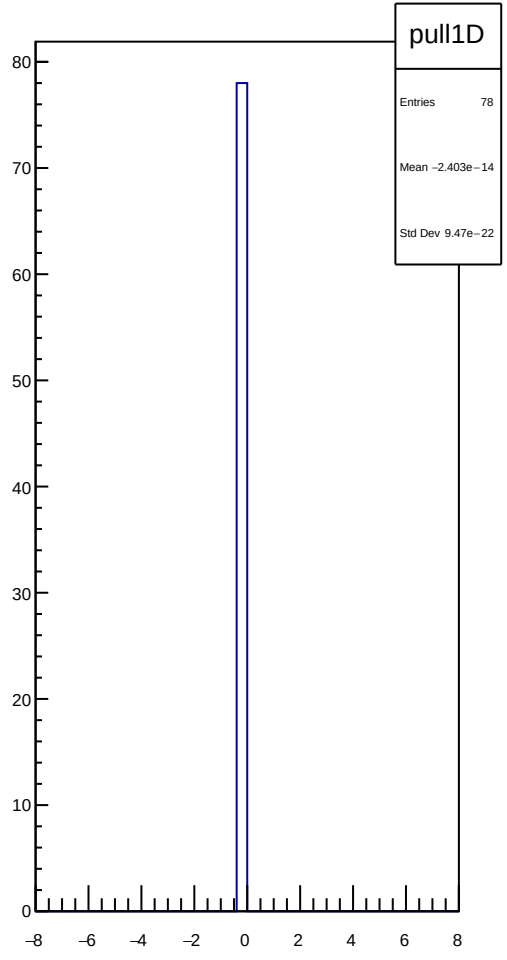

dit_sam3_4eY_slope vs run
χ² / ndf 1.991e−25 / 77
p0 29.47 ± 0.08757
30.2
30
29.8
29.6
29.4
29.2
29
28.8
28.6
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
0
−10
−20
−30
−40
−50

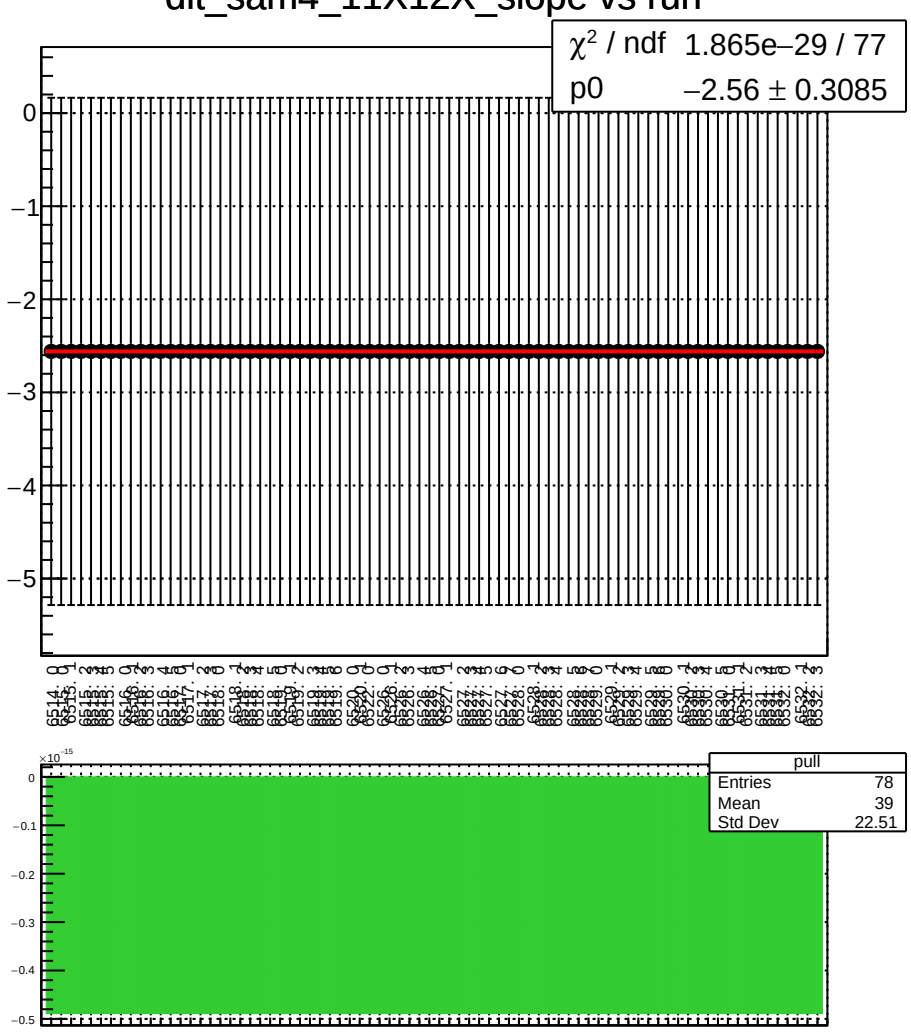

pull1D
Entries 78
Mean −5.053e−14
Std Dev 5.989e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

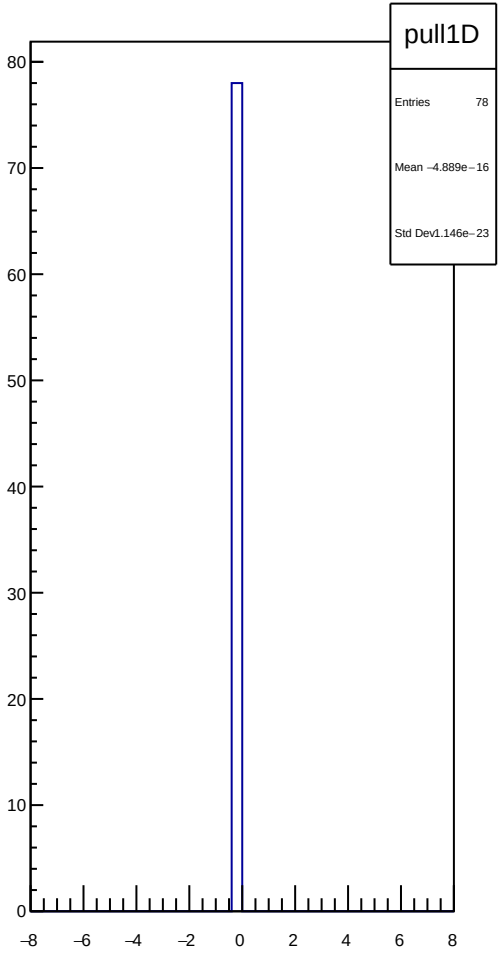

dit_sam4_4aX_slope vs run
χ² / ndf 1.184e−27 / 77
p0 13.71 ± 1.342
pull
Entries 78
Mean 39
Std Dev 22.51

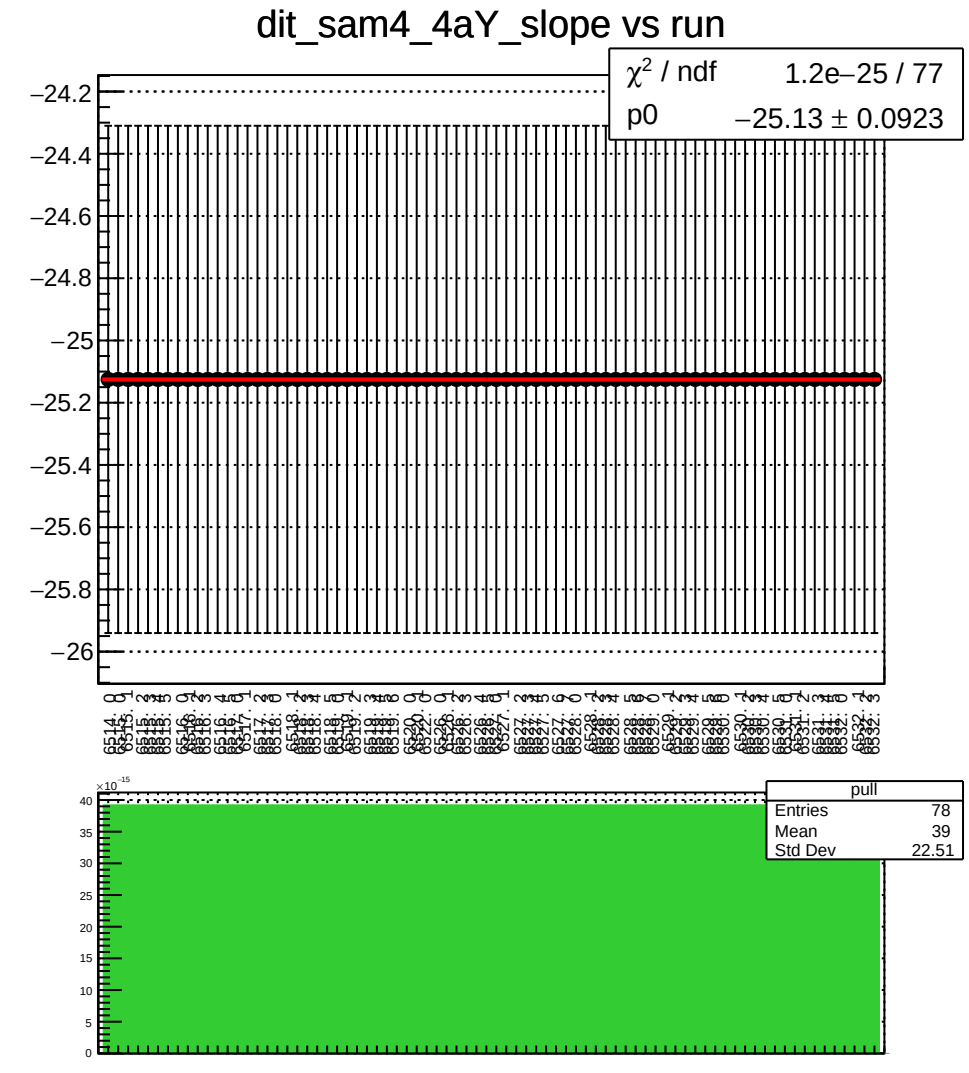

pull1D
Entries 78
Mean 3.897e−15
Std Dev1.981e−22

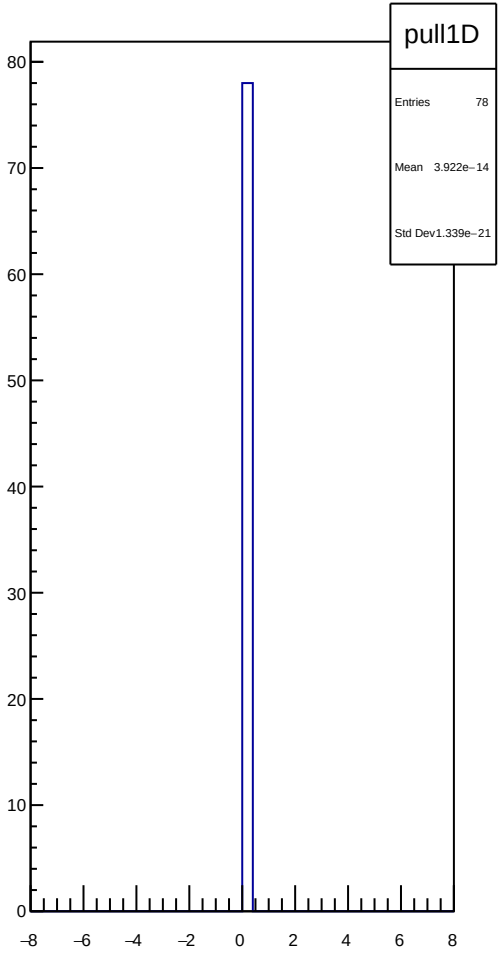

dit_sam4_4eX_slope vs run
χ² / ndf 4.503e−26 / 77
p0 −223.6 ± 1.473
−210
−215
−220
−225
−230
−235
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
0
−5
−10
−15
−20
−25

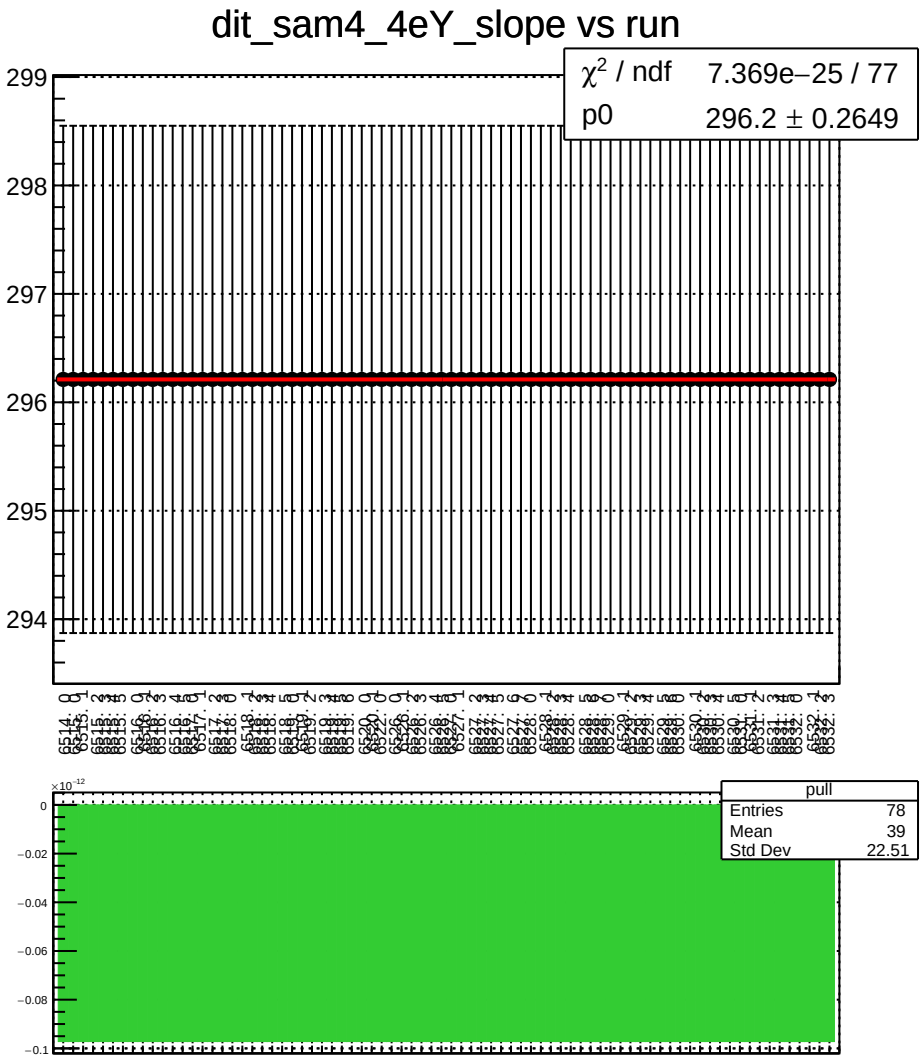

pull1D
Entries 78
Mean −2.403e−14
Std Dev 9.47e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

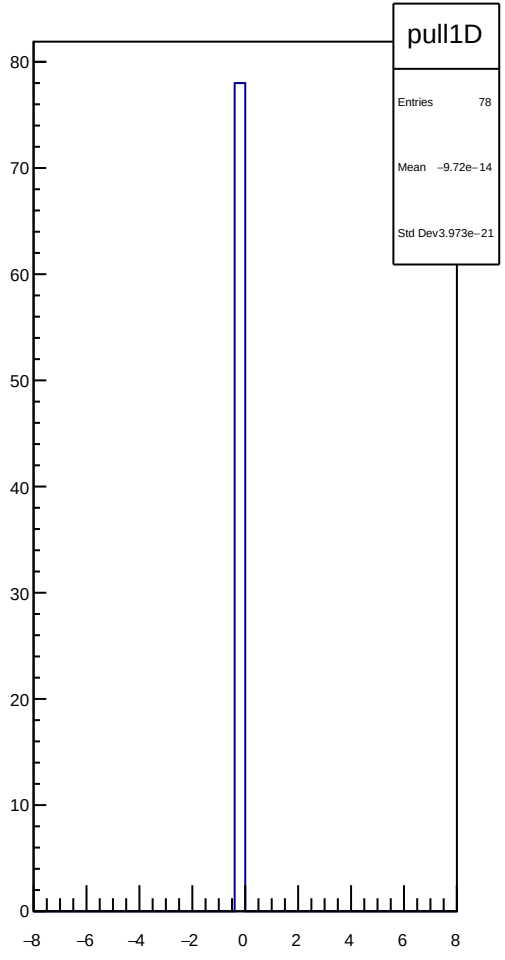

dit_sam4_11X12X_slope vs run
χ² / ndf 1.865e−29 / 77
p0 −2.56 ± 0.3085
pull
Entries 78
Mean 39
Std Dev 22.51

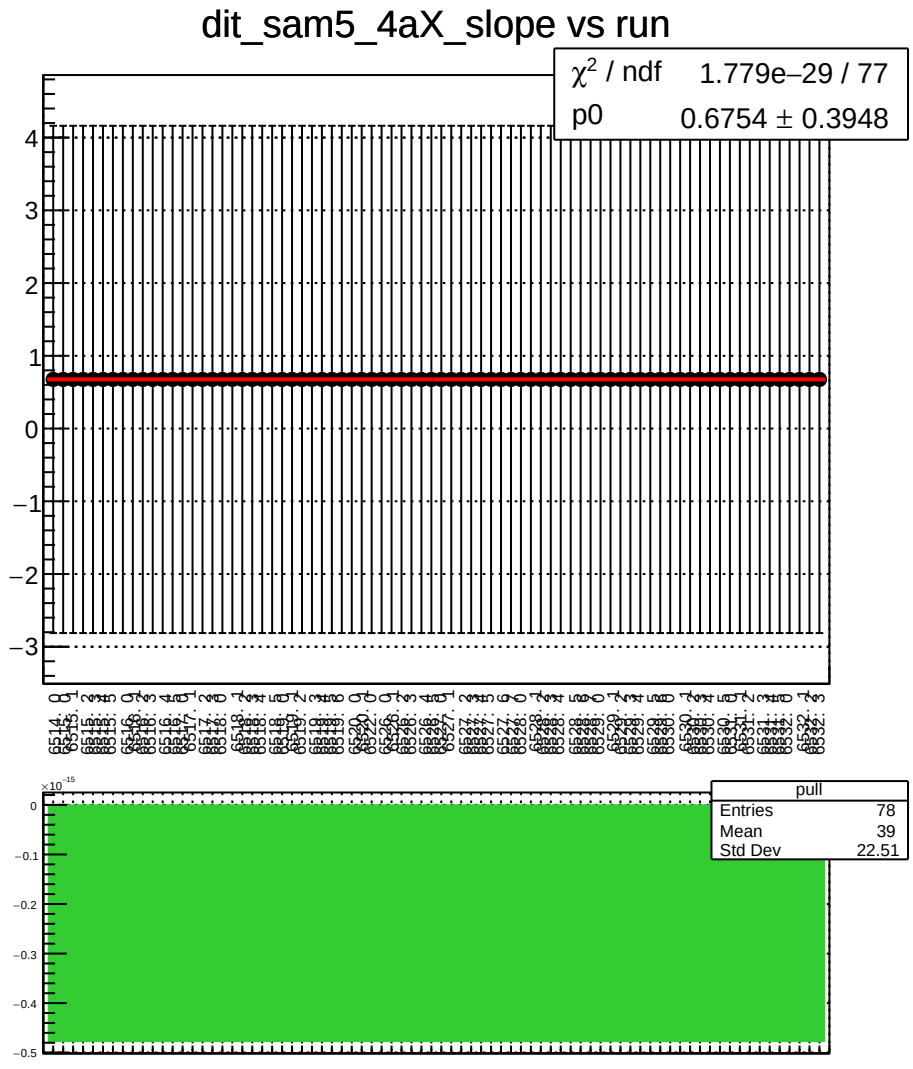

pull1D
Entries 78
Mean −4.889e−16
Std Dev1.146e−23

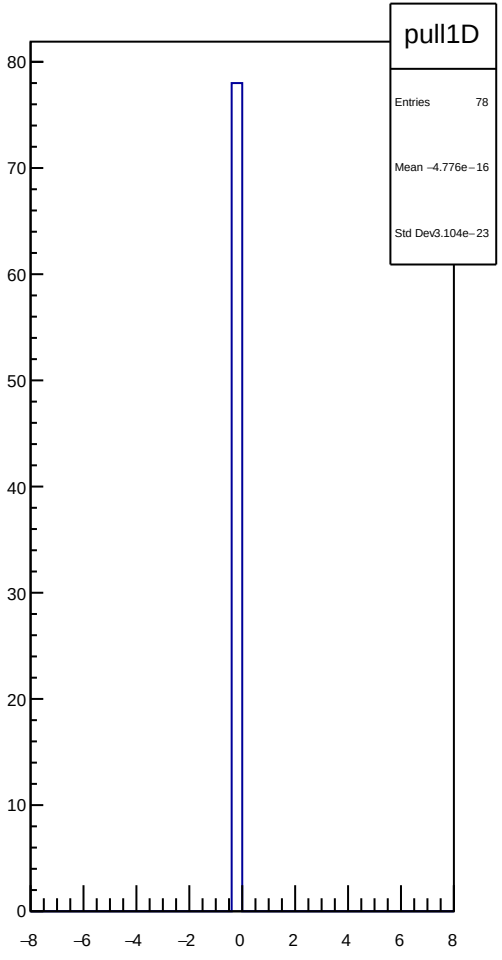

dit_sam4_4aY_slope vs run
χ² / ndf 1.2e−25 / 77
p0 −25.13 ± 0.0923
−24.2
−24.4
−24.6
−24.8
−25
−25.2
−25.4
−25.6
−25.8
−26
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
40
35
30
25
20
15
10
5
0

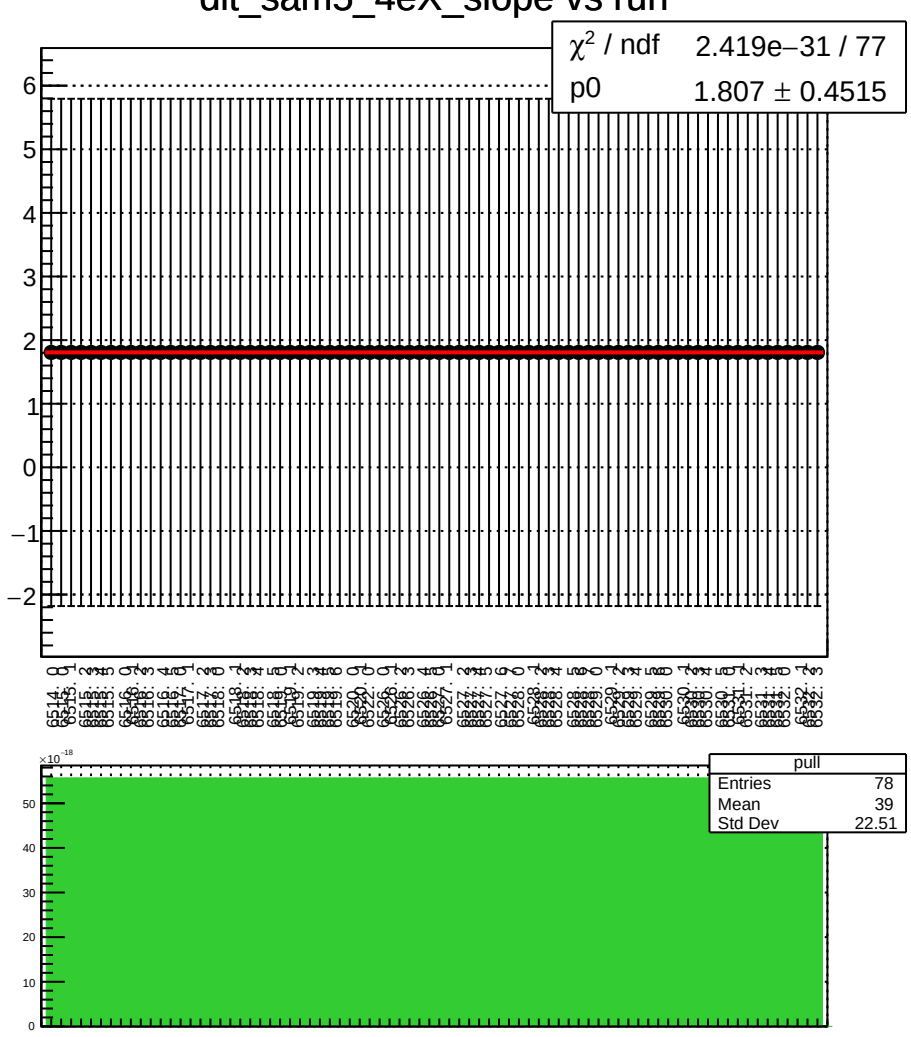

pull1D
Entries 78
Mean 3.922e−14
Std Dev1.339e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

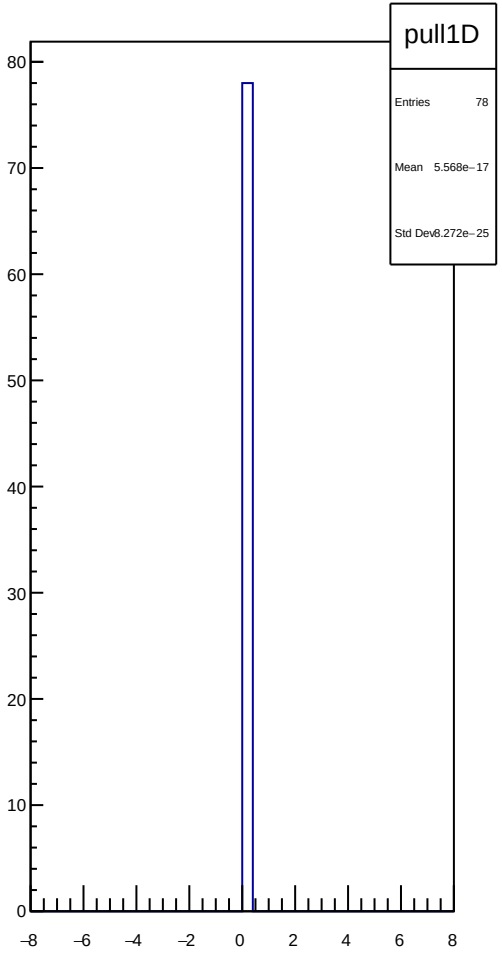

dit_sam4_4eY_slope vs run
χ² / ndf 7.369e−25 / 77
p0 296.2 ± 0.2649
299
298
297
296
295
294
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1

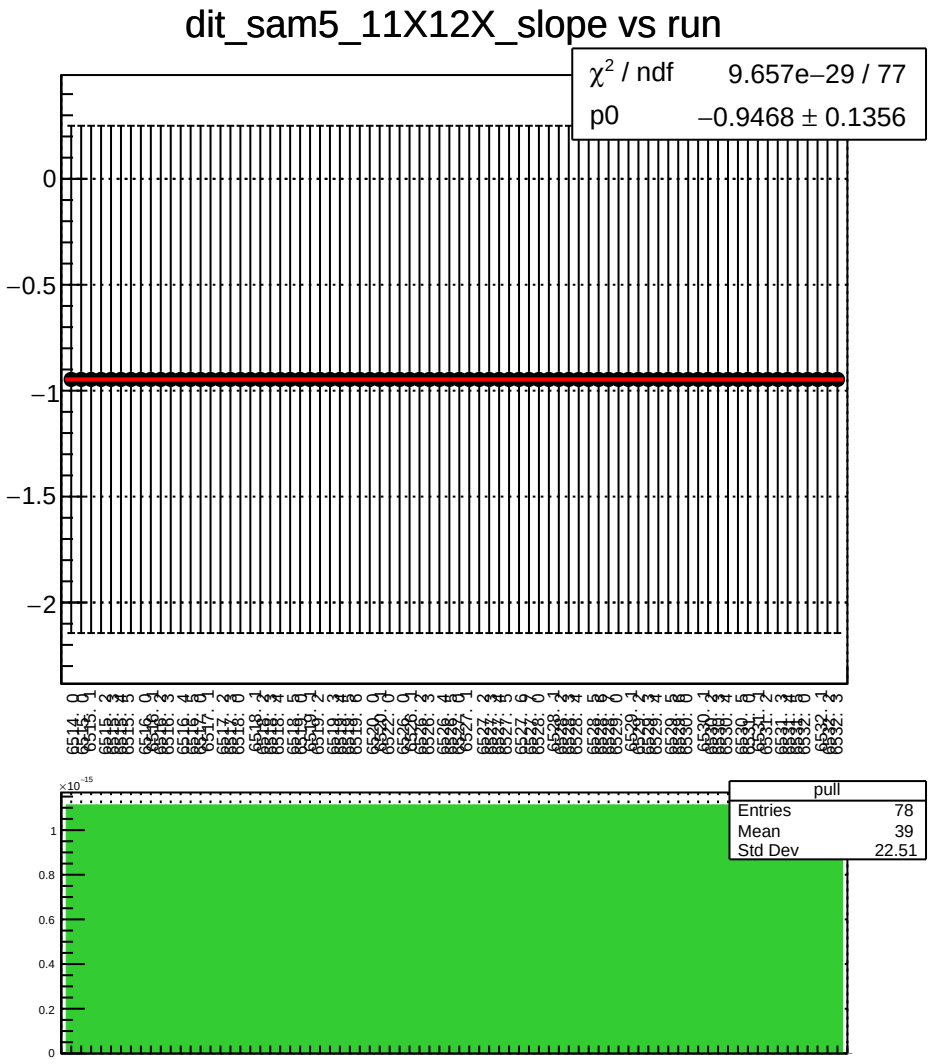

pull1D
Entries 78
Mean −9.72e−14
Std Dev3.973e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

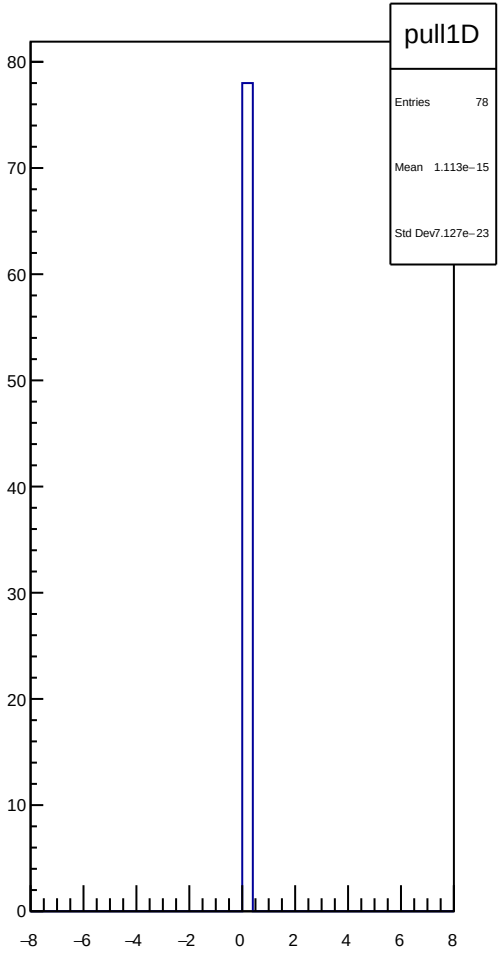

dit_sam5_4aX_slope vs run
χ² / ndf 1.779e−29 / 77
p0 0.6754 ± 0.3948
pull
Entries 78
Mean 39
Std Dev 22.51

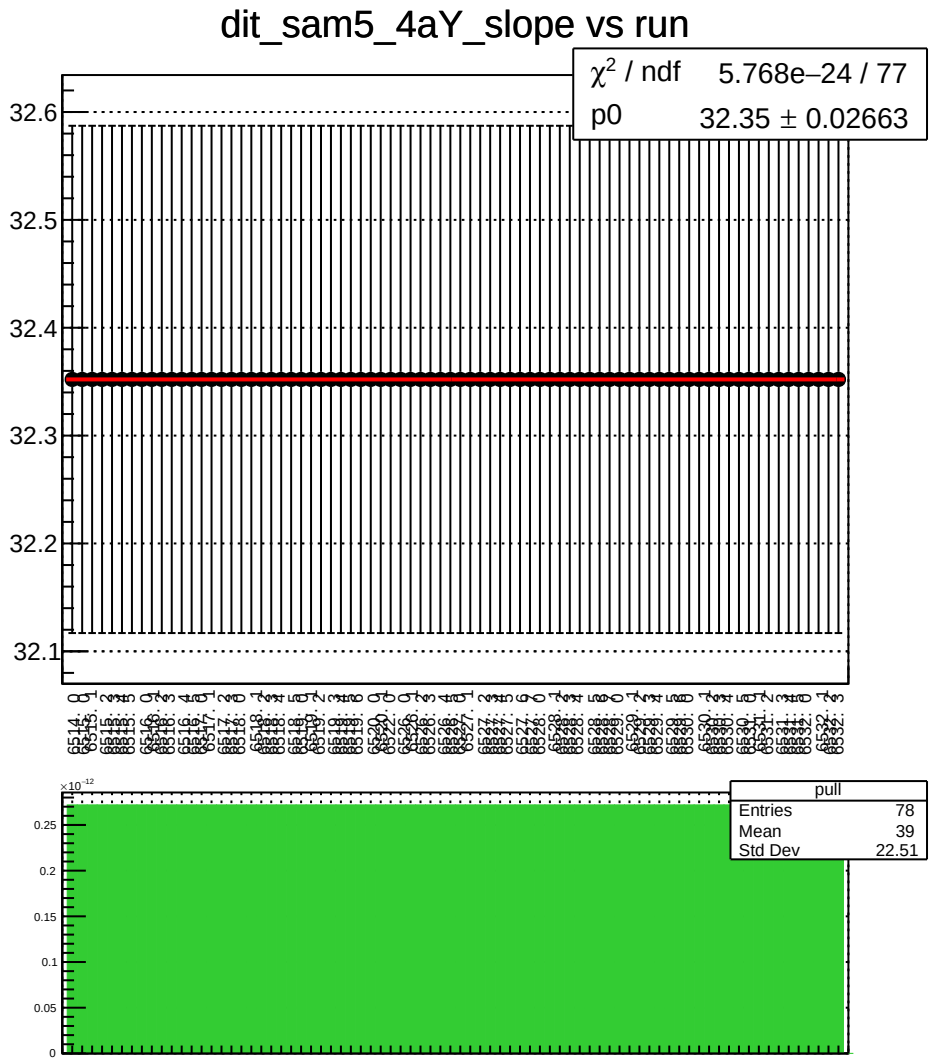

pull1D
Entries 78
Mean −4.776e−16
Std Dev3.104e−23

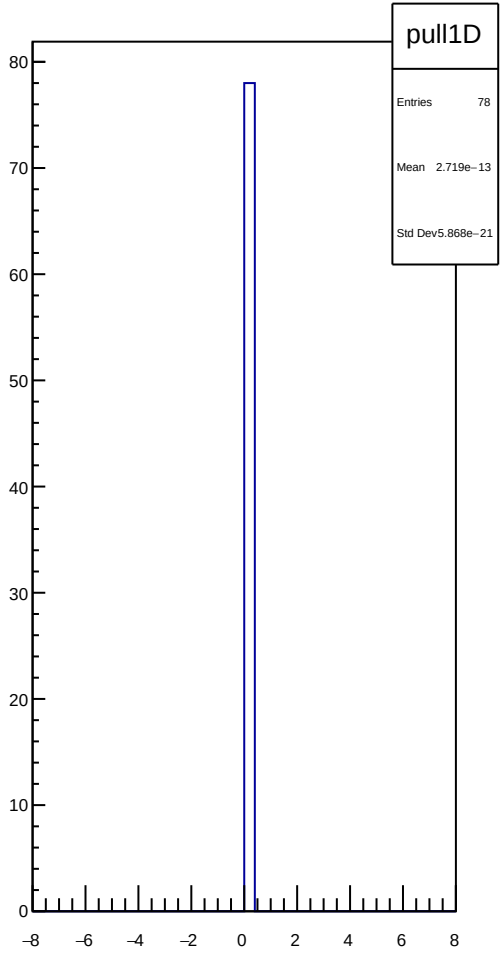

dit_sam5_4eX_slope vs run
χ² / ndf 2.419e−31 / 77
p0 1.807 ± 0.4515
pull
Entries 78
Mean 39
Std Dev 22.51

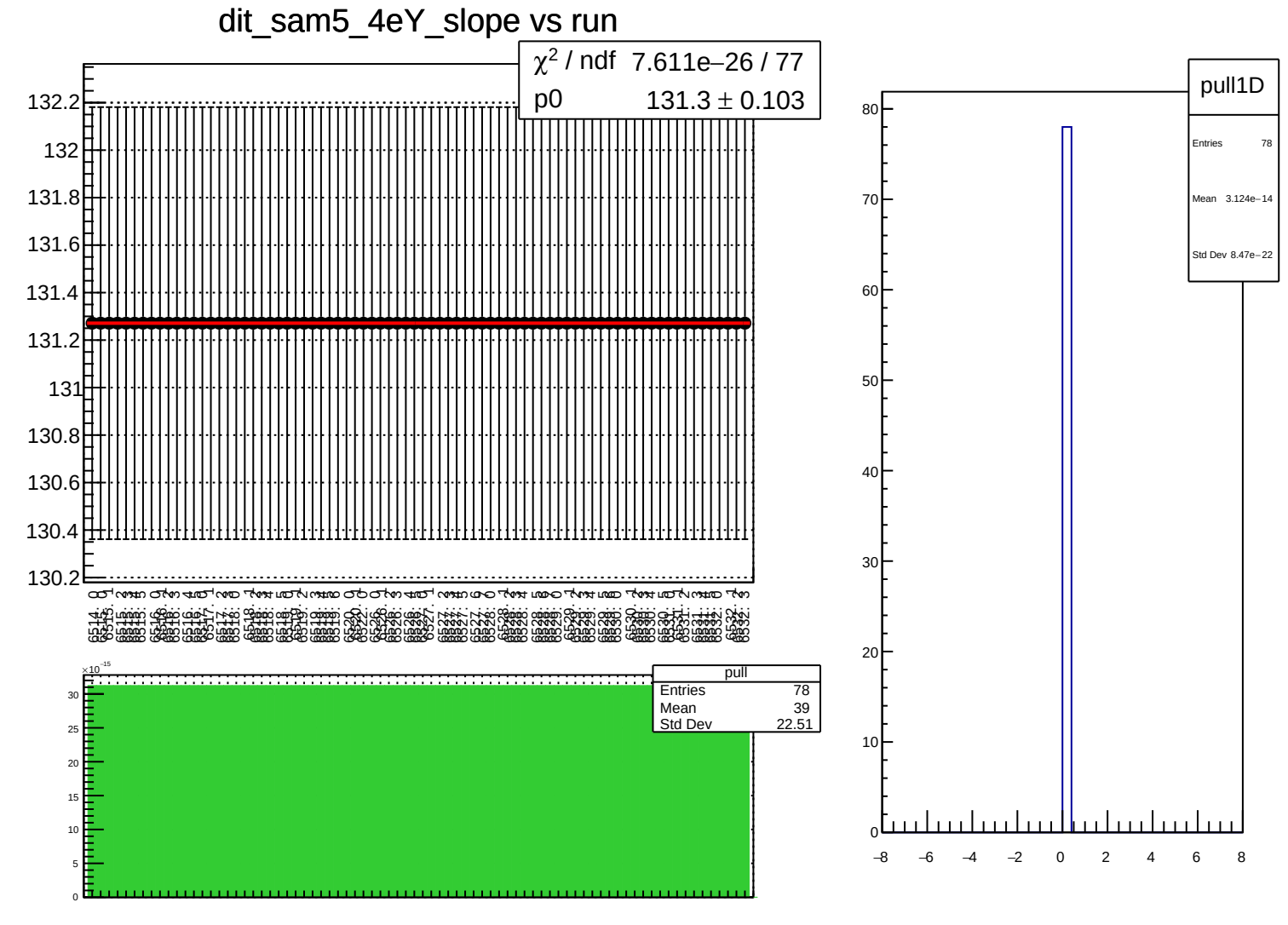

pull1D
Entries 78
Mean 5.568e−17
Std Dev 8.272e−25

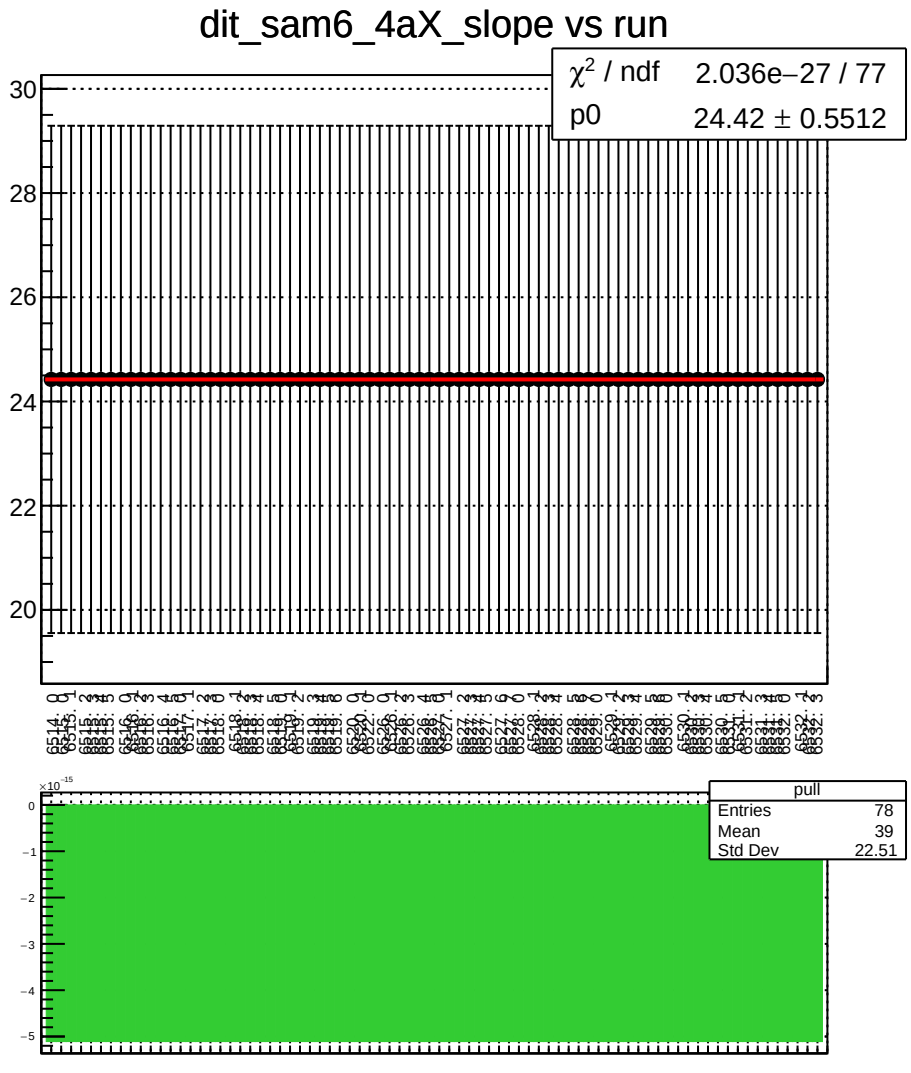

dit_sam5_11X12X_slope vs run
χ² / ndf 9.657e−29 / 77
p0 −0.9468 ± 0.1356
pull
Entries 78
Mean 39
Std Dev 22.51

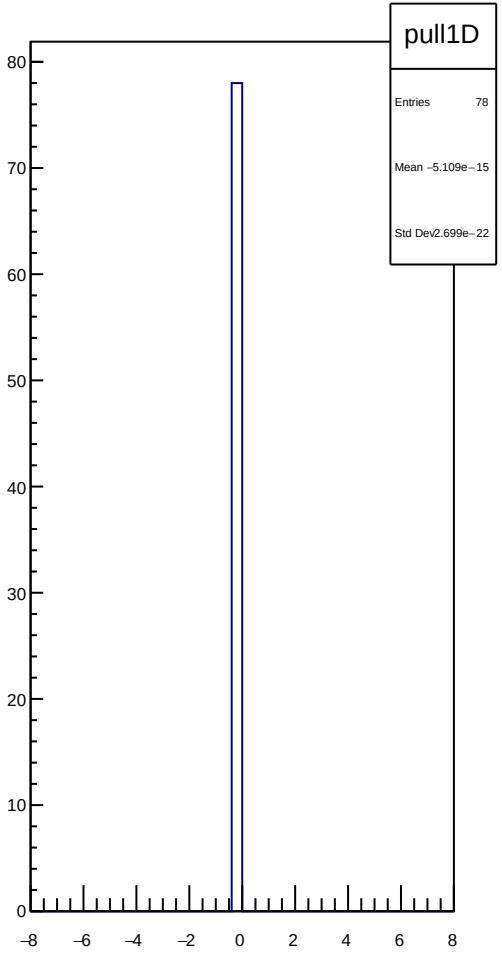

pull1D
Entries 78
Mean 1.113e−15
Std Dev7.127e−23

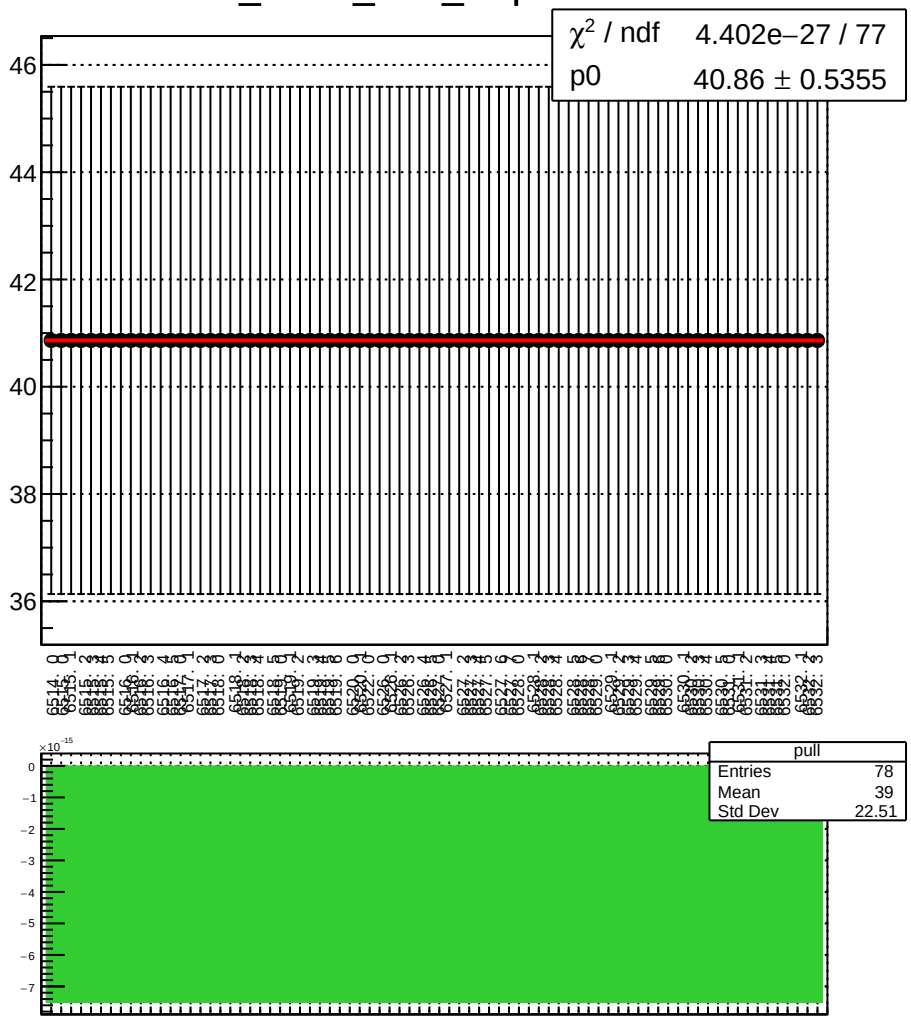

dit_sam5_4aY_slope vs run
χ² / ndf 5.768e−24 / 77
p0 32.35 ± 0.02663
32.6
32.5
32.4
32.3
32.2
32.1
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0.25
0.2
0.15
0.1
0.05
0

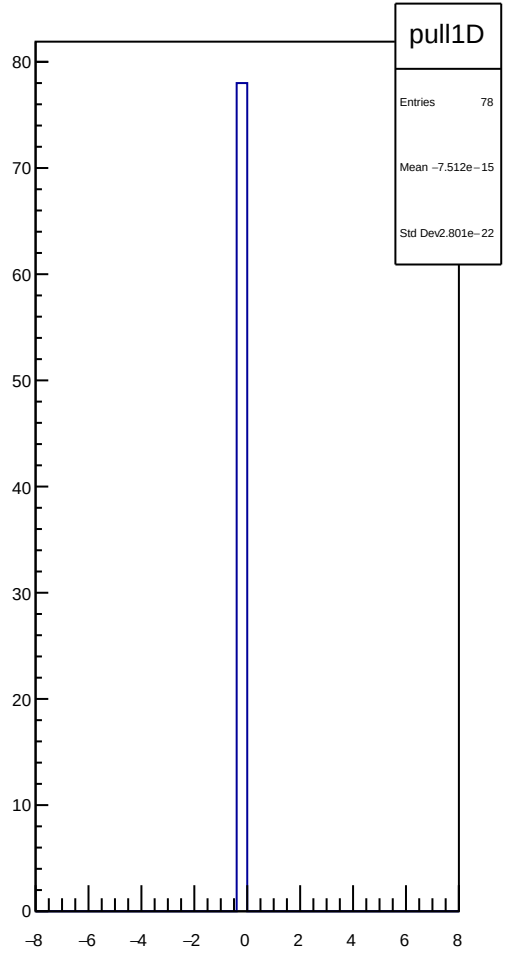

pull1D
Entries 78
Mean 2.719e−13
Std Dev5.868e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

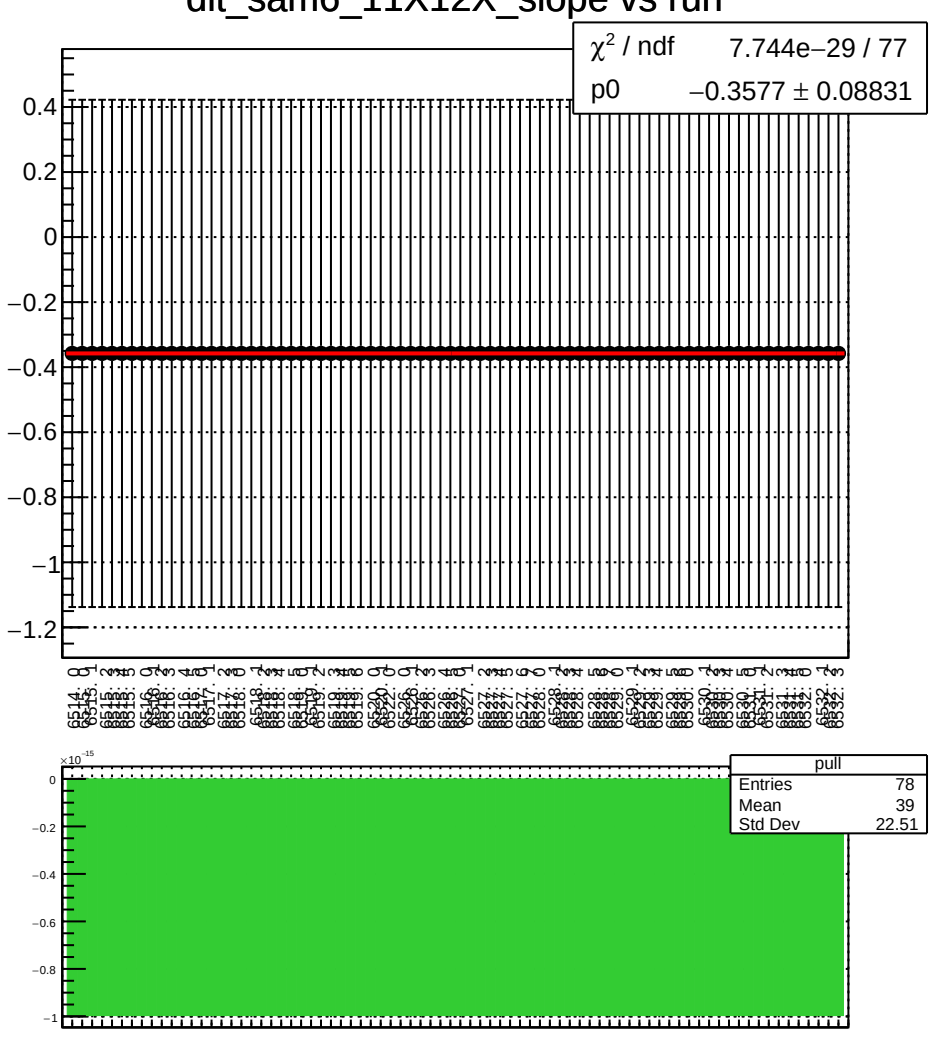

dit_sam5_4eY_slope vs run
χ² / ndf 7.611e−26 / 77
p0 131.3 ± 0.103
pull
Entries 78
Mean 39
Std Dev 22.51
pull1D
Entries 78
Mean 3.124e−14
Std Dev 8.47e−22

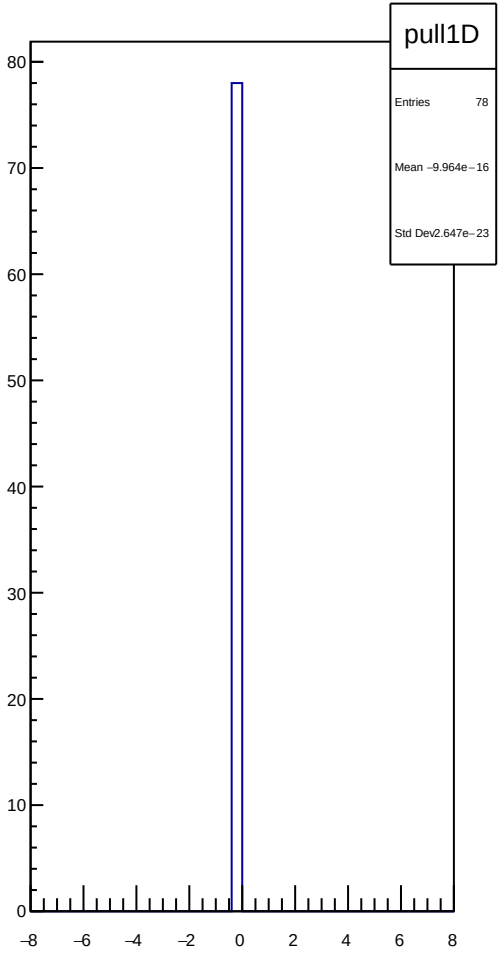

dit_sam6_4aX_slope vs run
χ² / ndf 2.036e−27 / 77
p0 24.42 ± 0.5512
pull
Entries 78
Mean 39
Std Dev 22.51

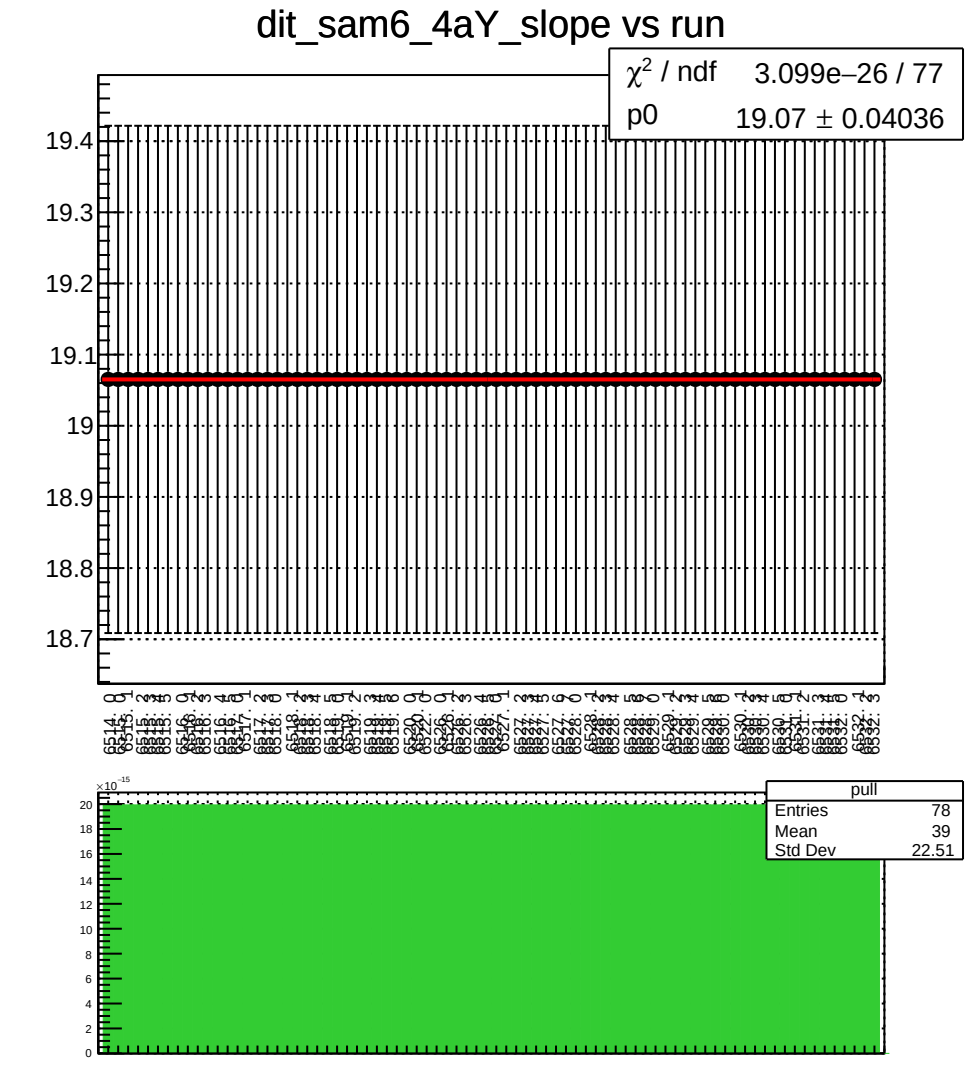

pull1D
Entries 78
Mean −5.109e−15
Std Dev 2.699e−22

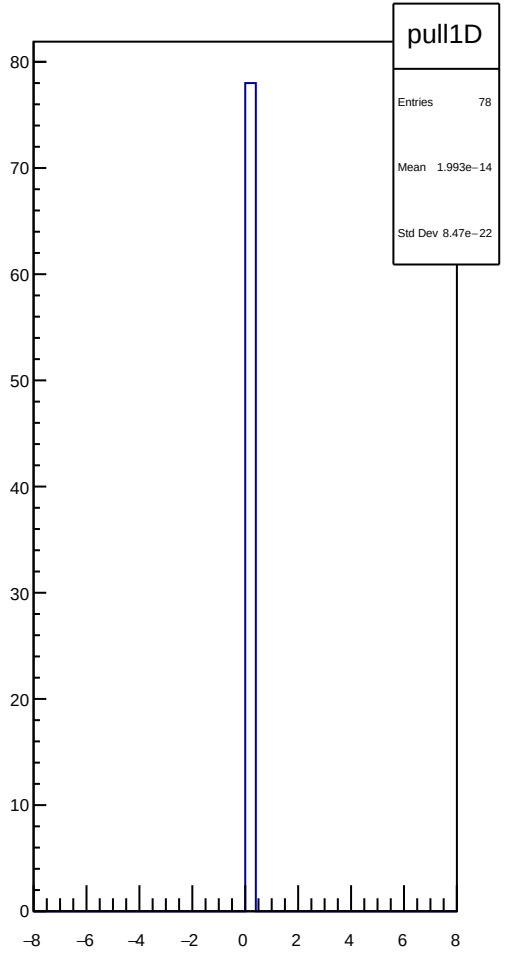

dit_sam6_4eX_slope vs run
χ² / ndf 4.402e−27 / 77
p0 40.86 ± 0.5355
46
44
42
40
38
36
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7

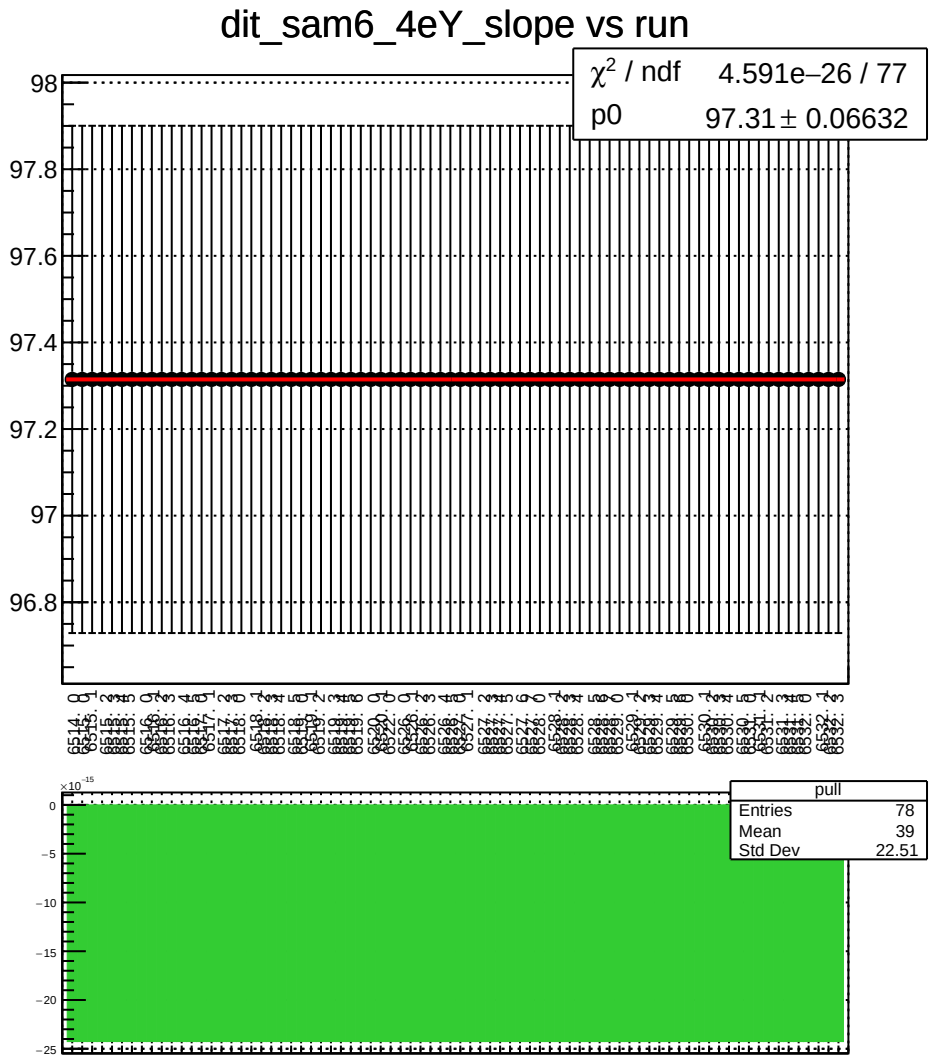

pull1D
Entries 78
Mean −7.512e−15
Std Dev 2.801e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

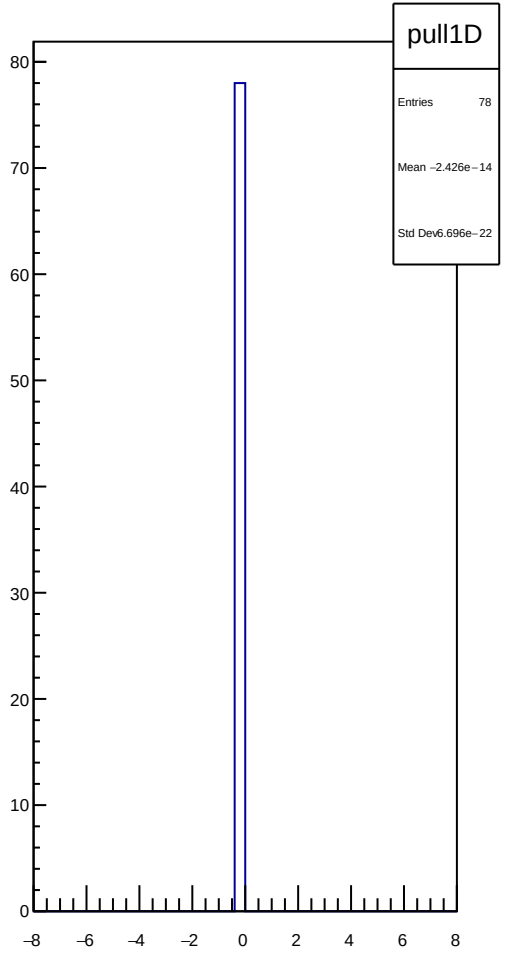

dit_sam6_11X12X_slope vs run
χ² / ndf 7.744e−29 / 77
p0 −0.3577 ± 0.08831
pull
Entries 78
Mean 39
Std Dev 22.51

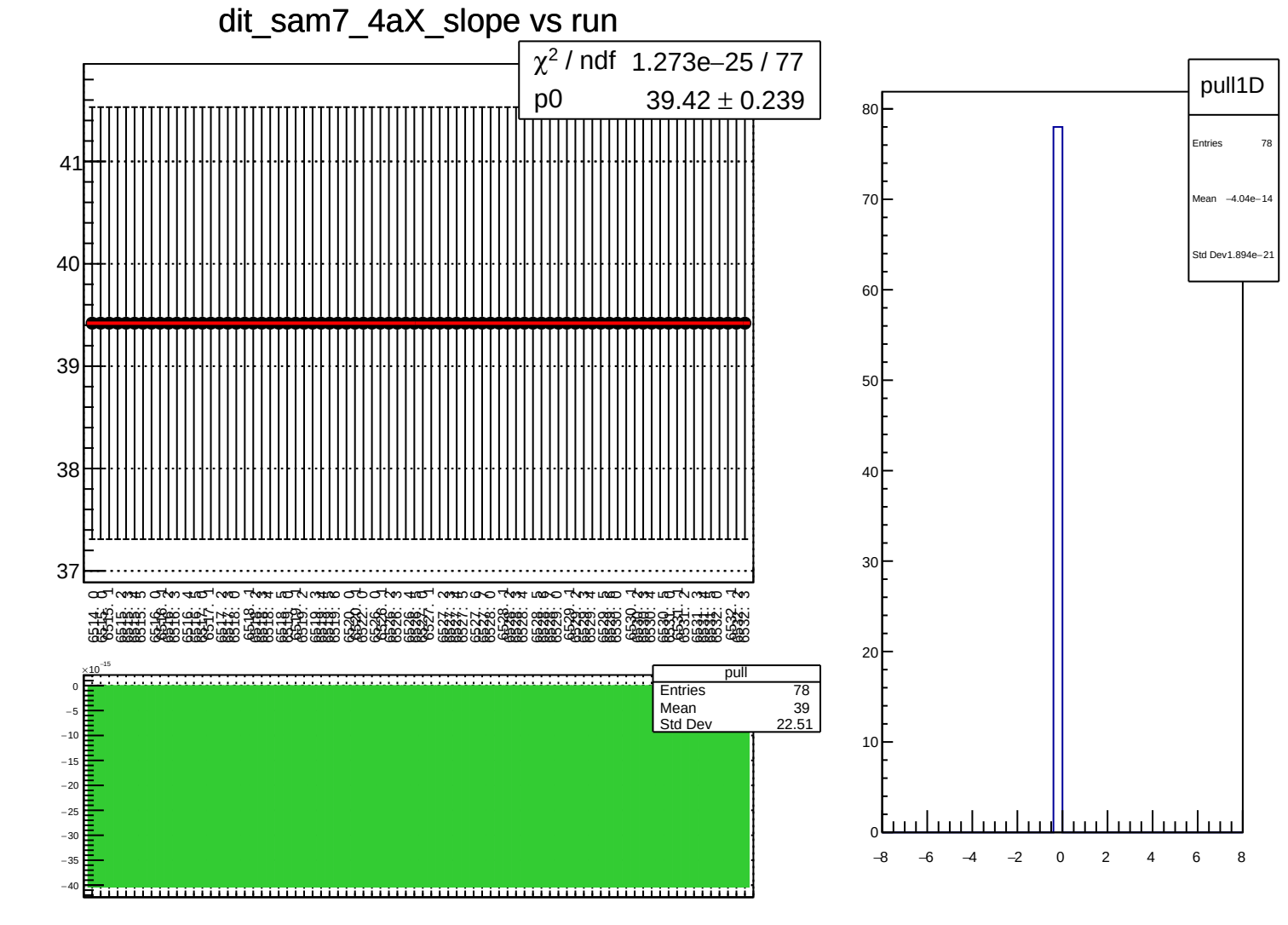

pull1D
Entries 78
Mean −9.964e−16
Std Dev 2.647e−23

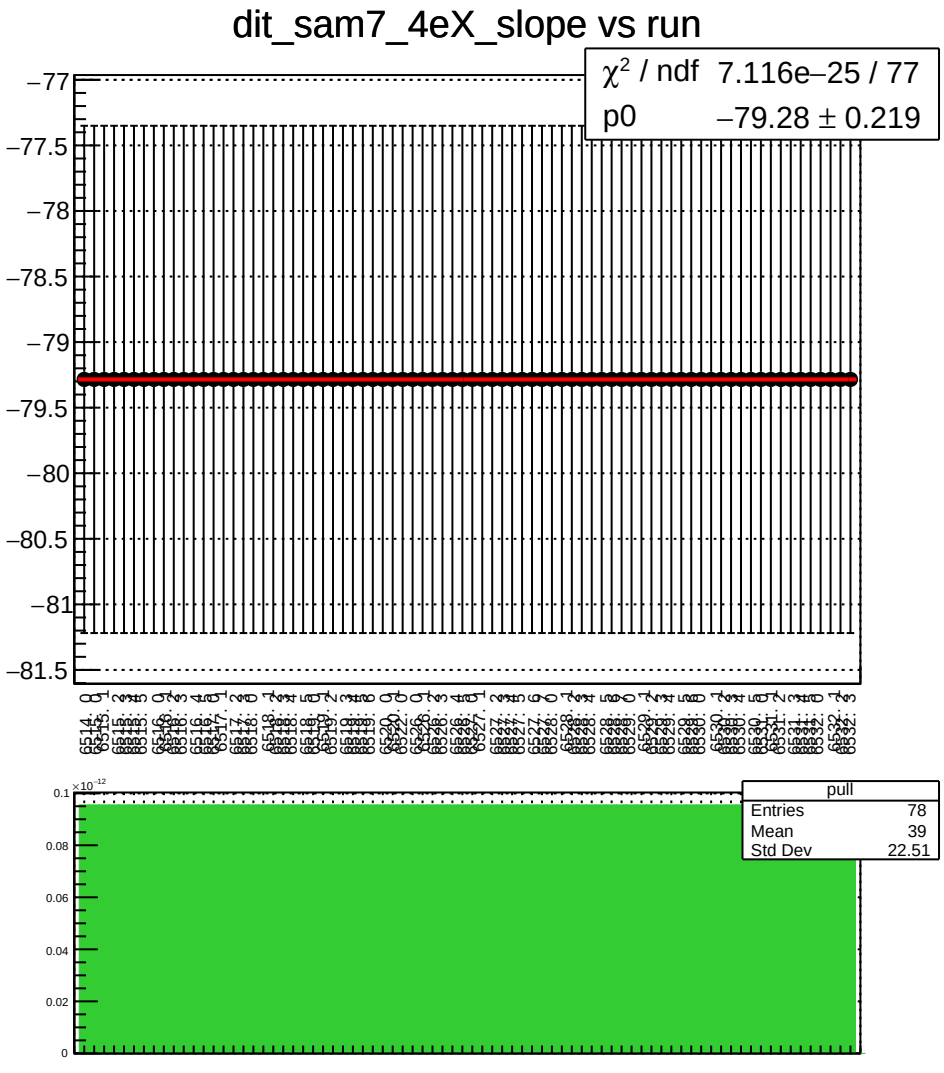

dit_sam6_4aY_slope vs run
χ² / ndf 3.099e−26 / 77
p0 19.07 ± 0.04036
19.4
19.3
19.2
19.1
19
18.9
18.8
18.7
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
20
18
16
14
12
10
8
6
4
2
0

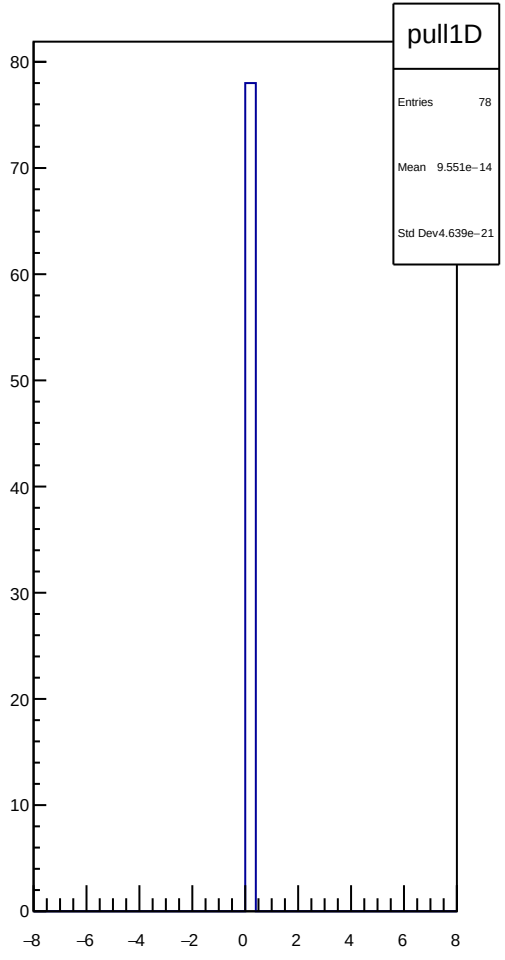

pull1D
Entries 78
Mean 1.993e−14
Std Dev 8.47e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

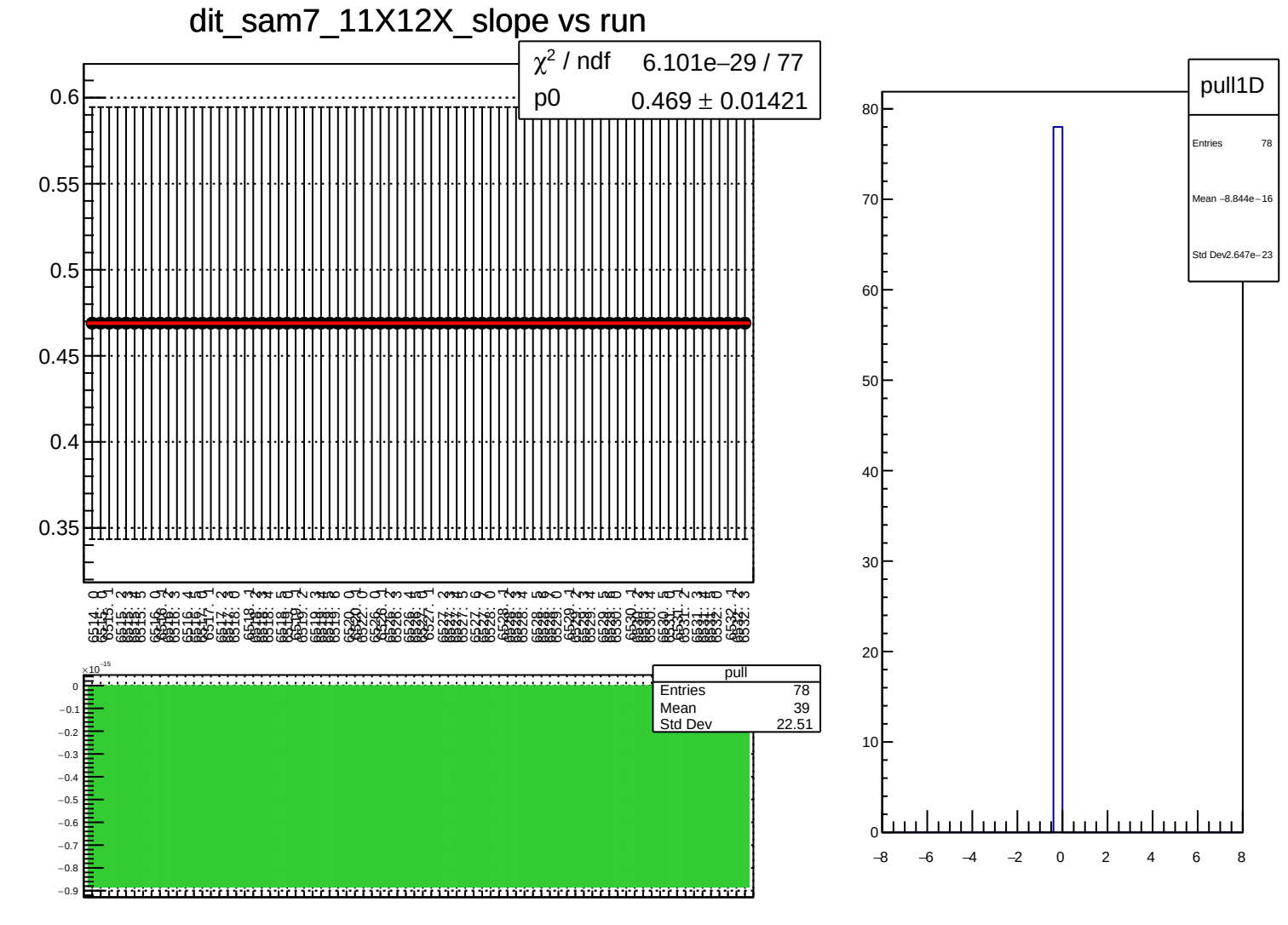

dit_sam6_4eY_slope vs run
χ² / ndf 4.591e−26 / 77
p0 97.31 ± 0.06632
98
97.8
97.6
97.4
97.2
97
96.8
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
0
−5
−10
−15
−20
−25

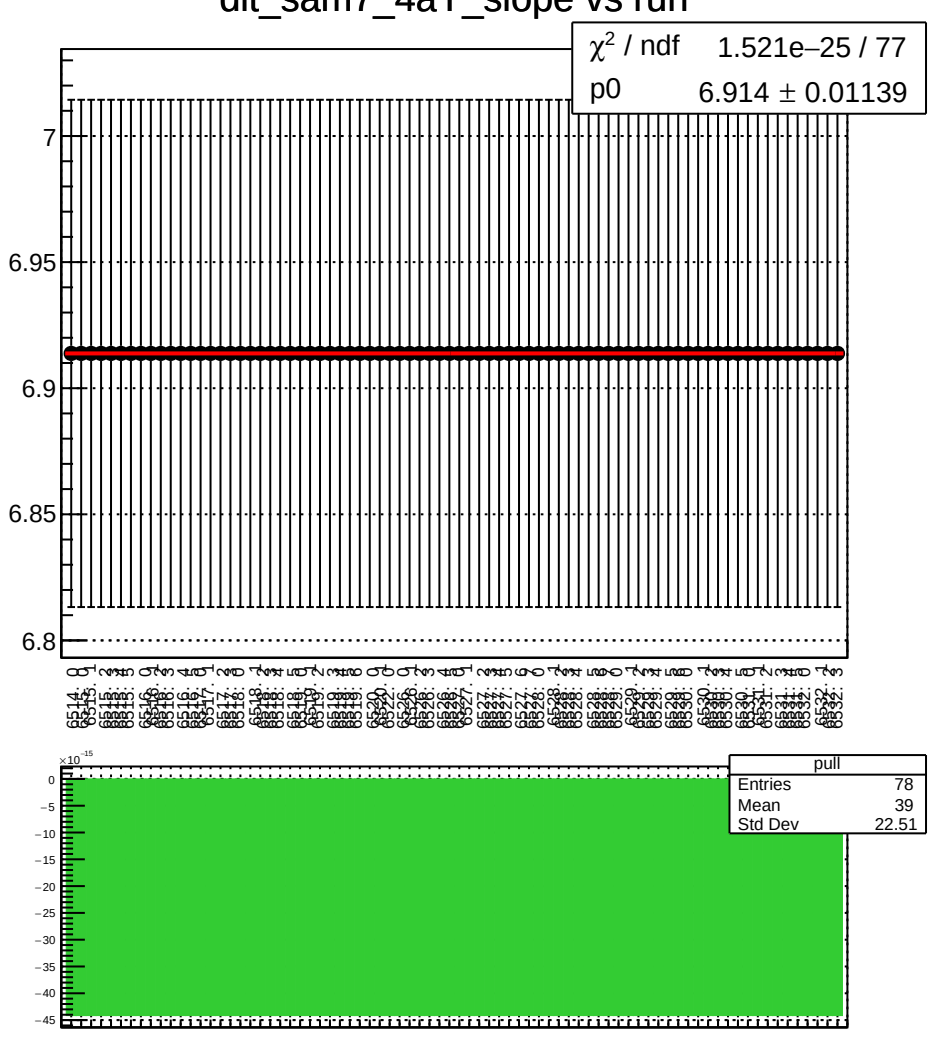

pull1D
Entries 78
Mean −2.426e−14
Std Dev 6.696e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

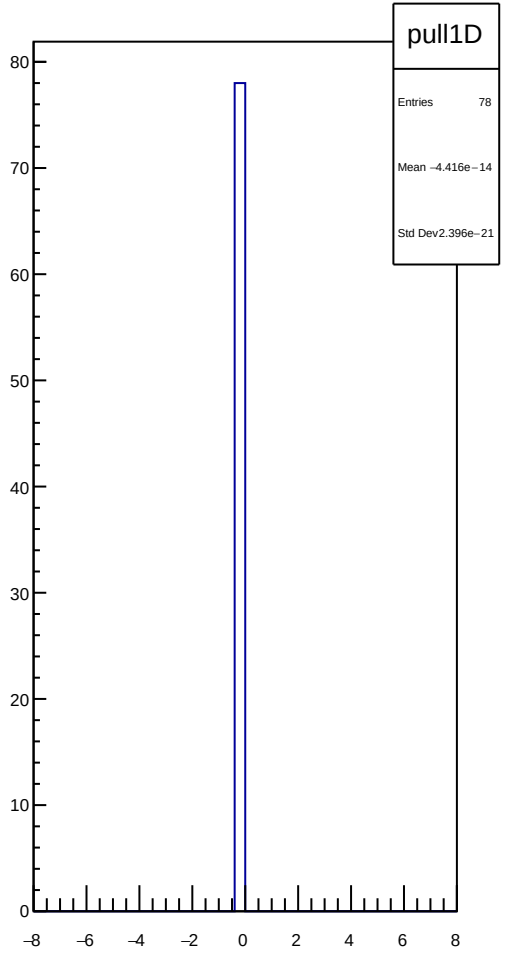

dit_sam7_4aX_slope vs run
χ^2 / ndf 1.273e−25 / 77
p0 39.42 ± 0.239
41
40
39
38
37
pull
Entries 78
Mean 39
Std Dev 22.51
pull1D
Entries 78
Mean −4.04e−14
Std Dev1.894e−21

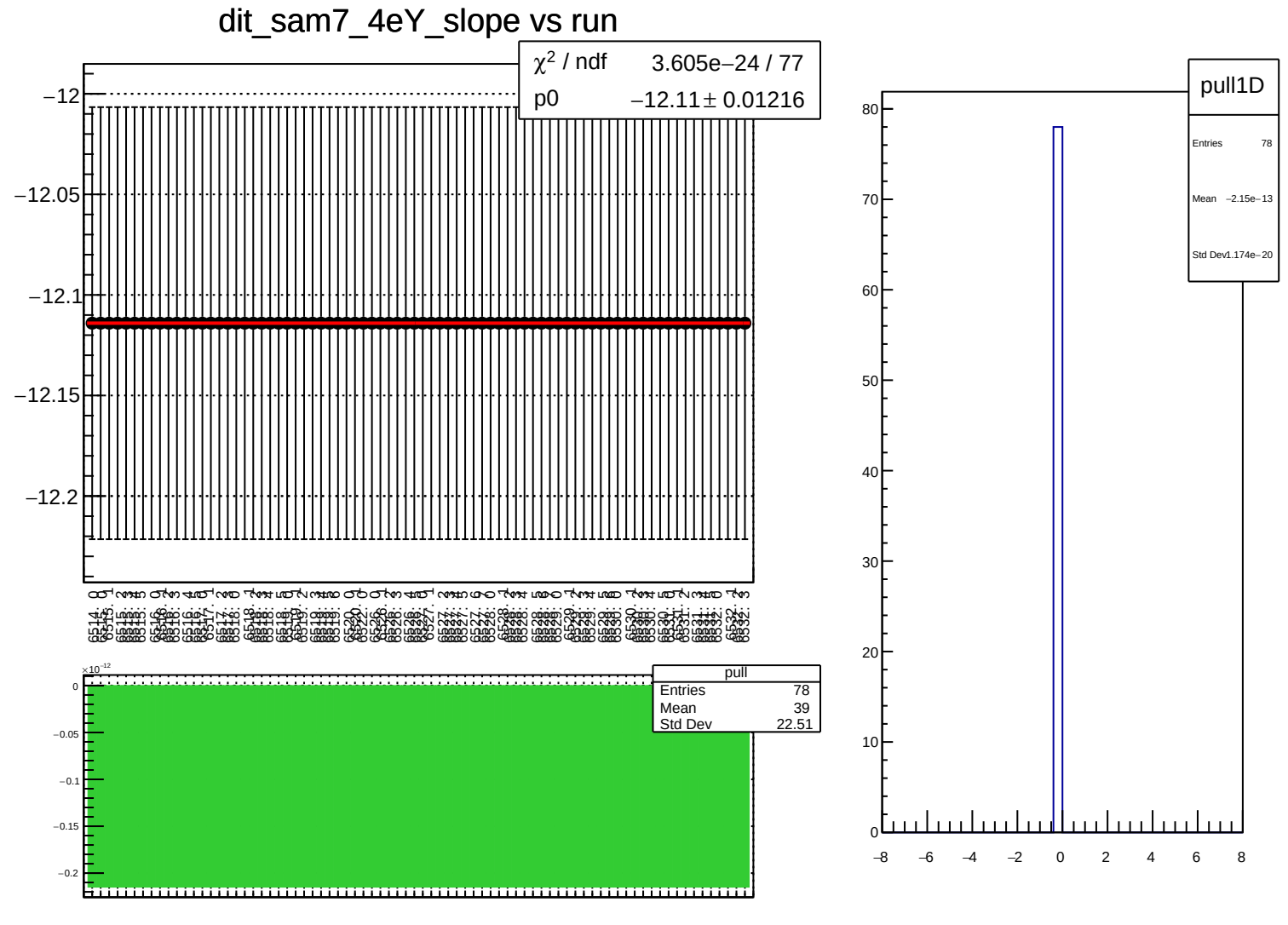

dit_sam7_4eX_slope vs run
χ² / ndf 7.116e−25 / 77
p0 −79.28 ± 0.219
−77
−77.5
−78
−78.5
−79
−79.5
−80
−80.5
−81
−81.5
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0

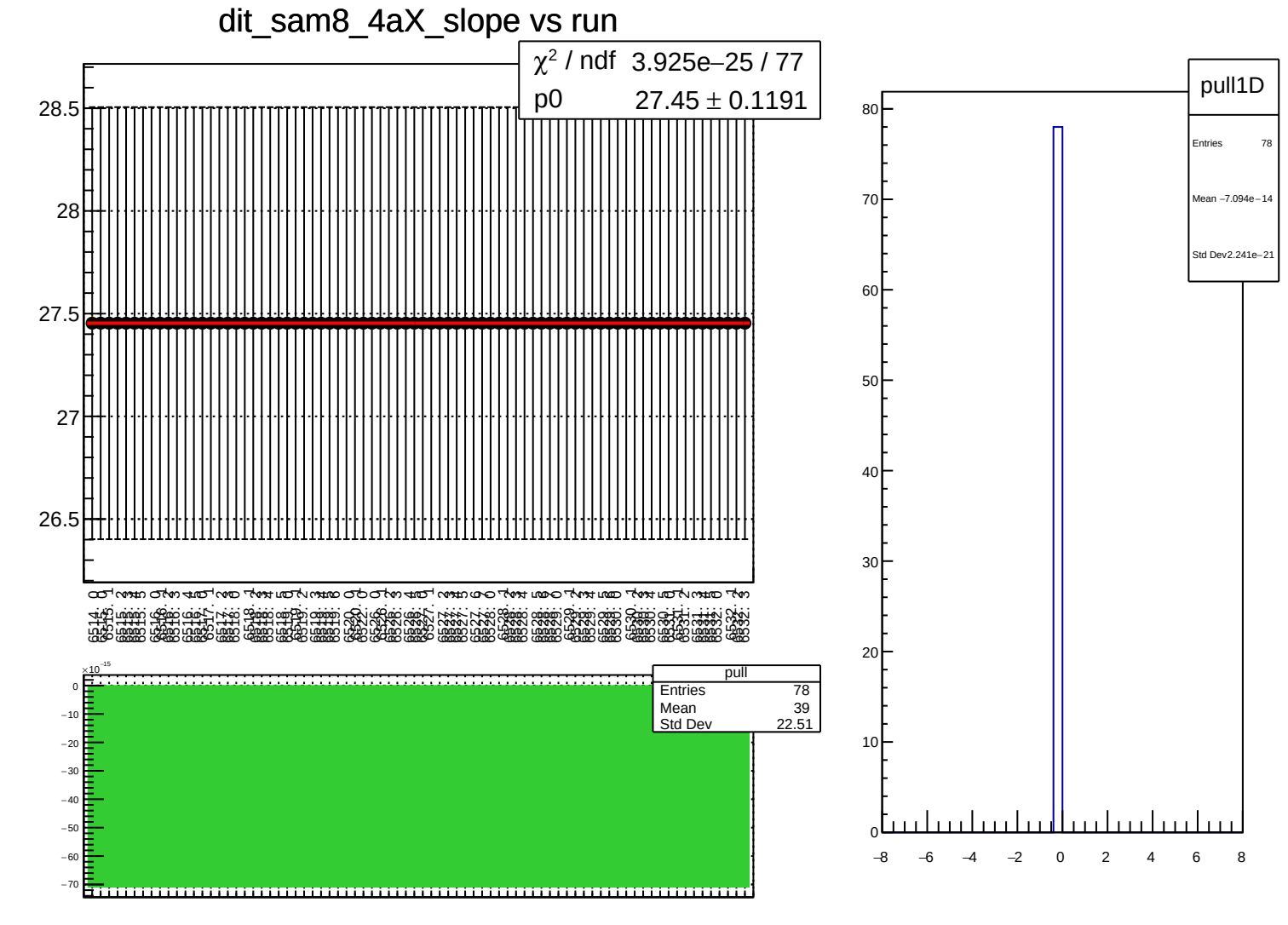

pull1D
Entries 78
Mean 9.551e−14
Std Dev4.639e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam7_11X12X_slope vs run
χ² / ndf 6.101e−29 / 77
p0 0.469 ± 0.01421
pull
Entries 78
Mean 39
Std Dev 22.51
pull1D
Entries 78
Mean −8.844e−16
Std Dev 2.647e−23


dit_sam7_4aY_slope vs run
χ² / ndf 1.521e−25 / 77
p0 6.914 ± 0.01139
7
6.95
6.9
6.85
6.8
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 −4.416e−14
Std Dev2.396e−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 3.605e−24 / 77
p0 −12.11 ± 0.01216
−12
−12.05
−12.1
−12.15
−12.2
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
pull1D
Entries 78
Mean −2.15e−13
Std Dev1.174e−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
χ² / ndf 3.925e−25 / 77
p0 27.45 ± 0.1191
28.5
28
27.5
27
26.5
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
pull1D
Entries 78
Mean −7.094e−14
Std Dev2.241e−21
80
70
60
50
40
30
20
10
0
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−6
−4
−2
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2
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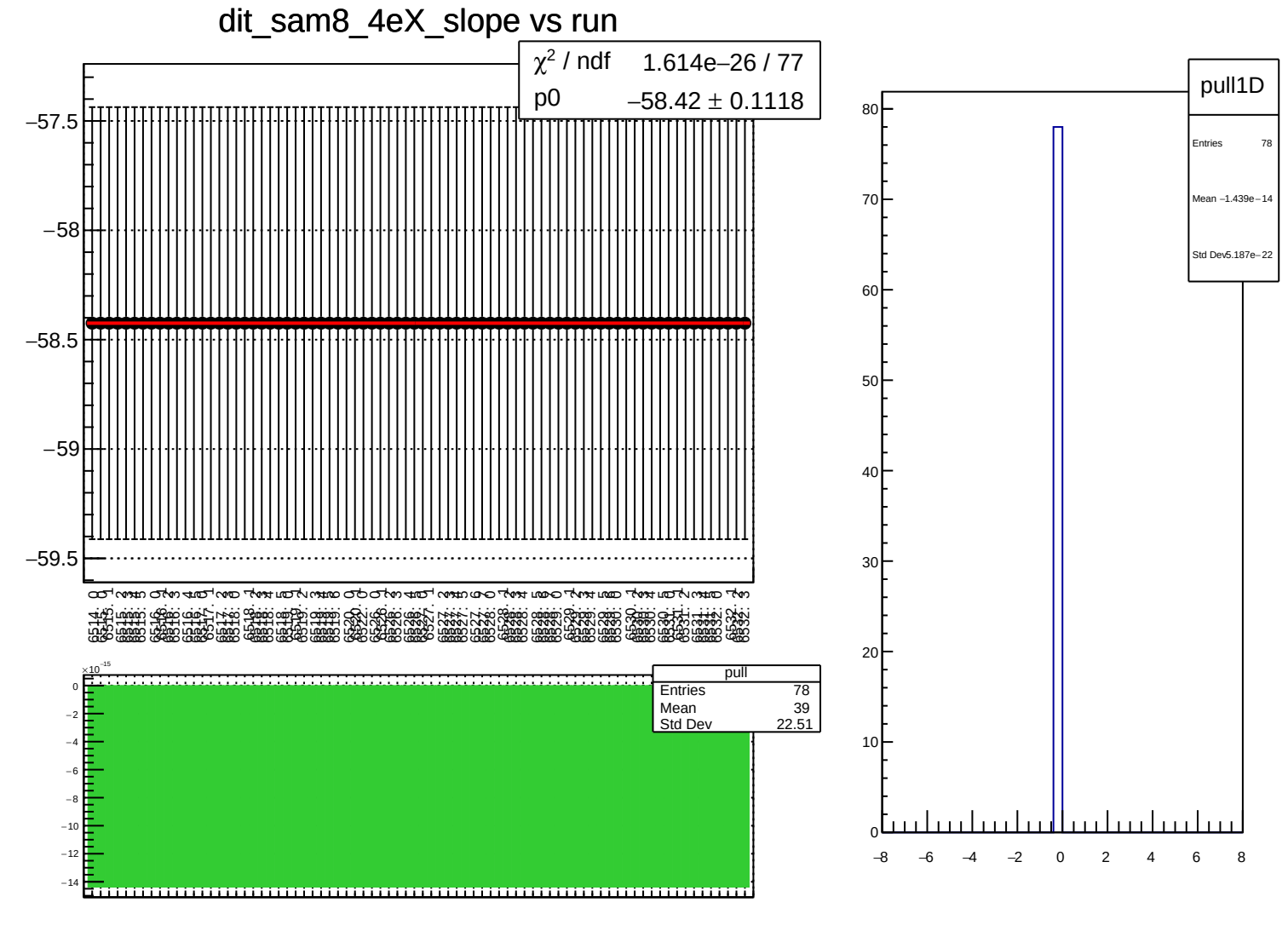
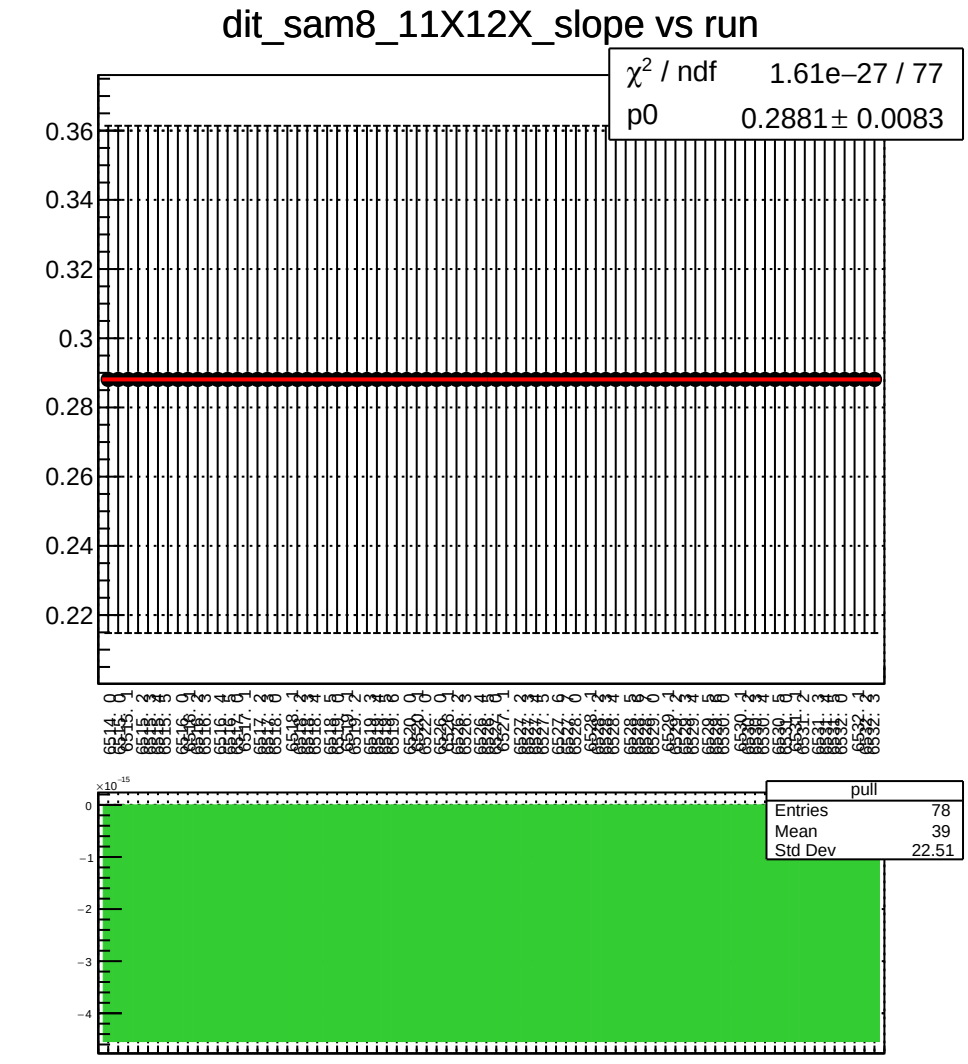
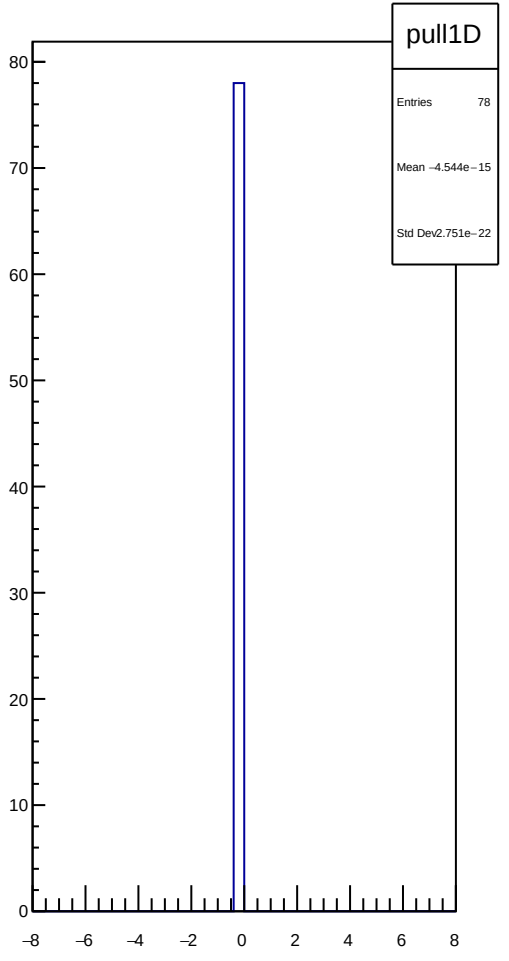
6
8


dit_sam8_4eX_slope vs run
χ² / ndf 1.614e−26 / 77
p0 −58.42 ± 0.1118
−57.5
−58
−58.5
−59
−59.5
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
pull1D
Entries 78
Mean −1.439e−14
Std Dev5.187e−22


dit_sam8_11X12X_slope vs run
χ² / ndf 1.61e−27 / 77
p0 0.2881 ± 0.0083
0.36
0.34
0.32
0.3
0.28
0.26
0.24
0.22
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
0
−1
−2
−3
−4


pull1D
Entries 78
Mean −4.544e−15
Std Dev2.751e−22
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70
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50
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30
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−4
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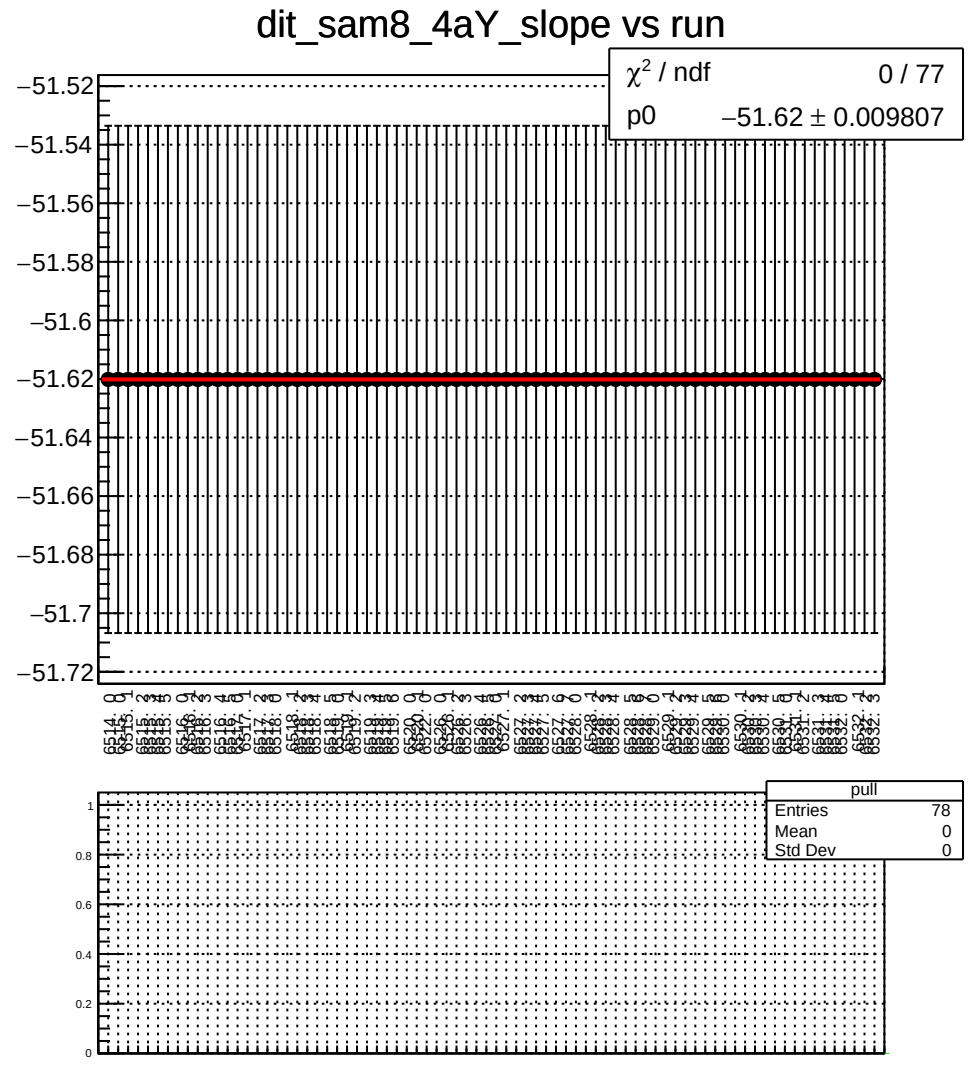
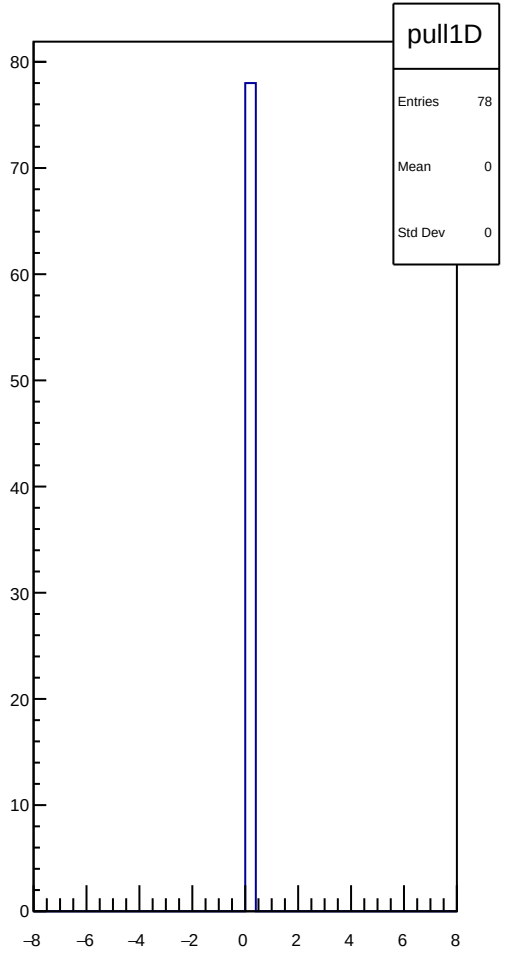

dit_sam8_4aY_slope vs run
χ² / ndf 0 / 77
p0 −51.62 ± 0.009807
−51.52
−51.54
−51.56
−51.58
−51.6
−51.62
−51.64
−51.66
−51.68
−51.7
−51.72
pull
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0


pull1D
Entries 78
Mean 0
Std Dev 0
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70
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50
40
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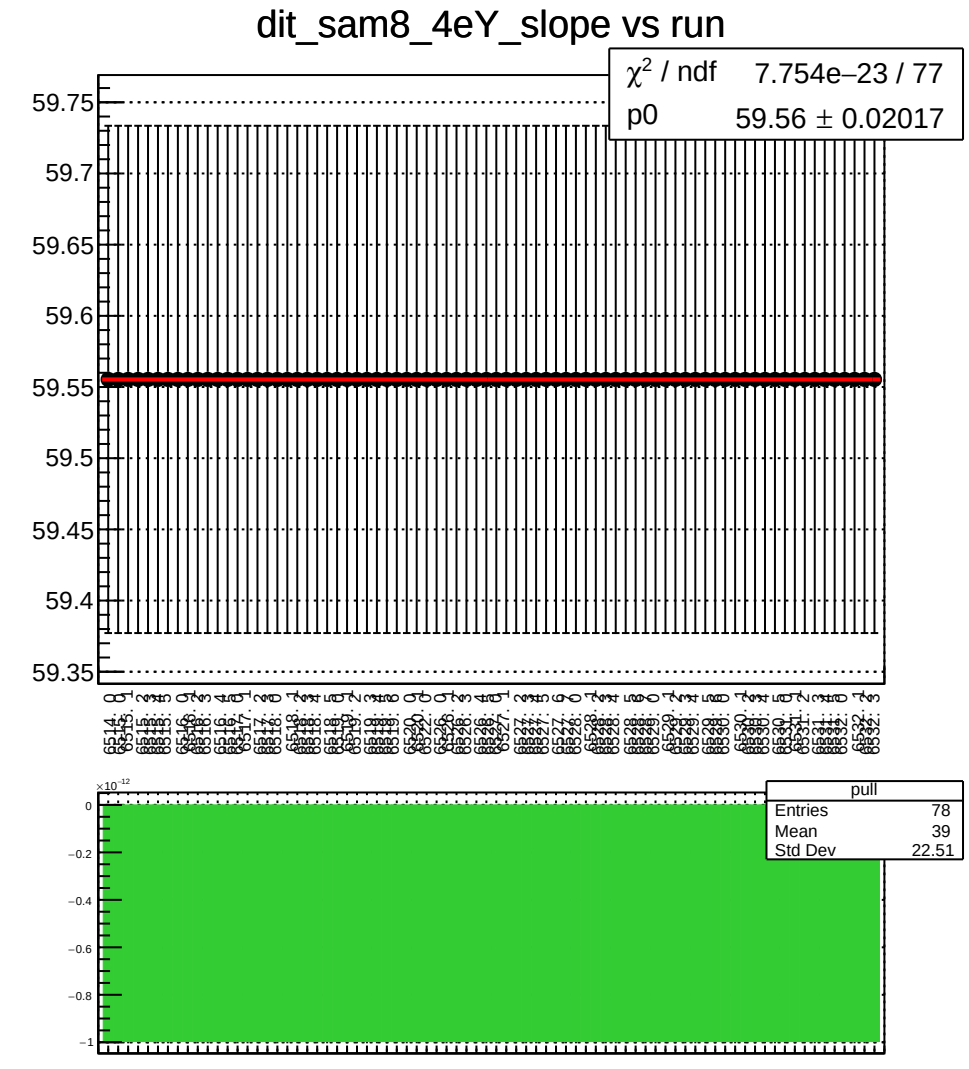
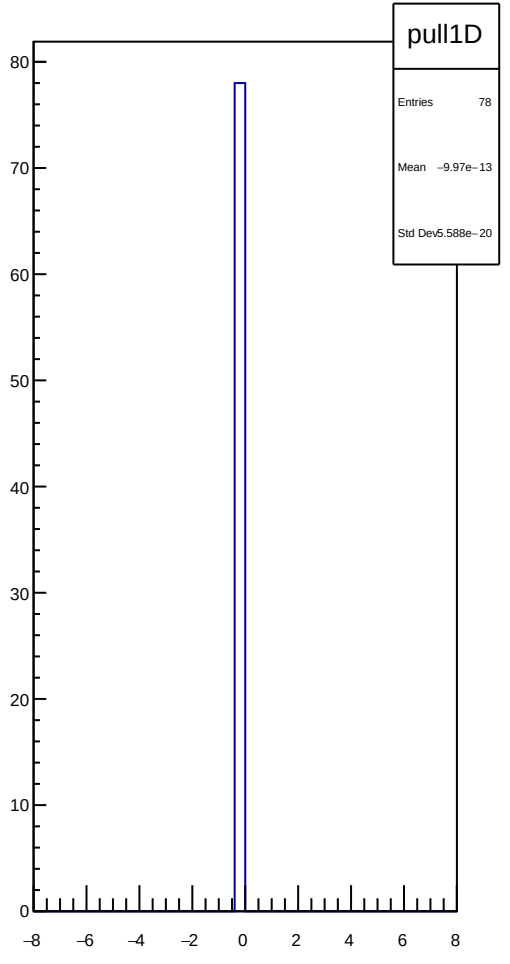

dit_sam8_4eY_slope vs run
χ² / ndf 7.754e−23 / 77
p0 59.56 ± 0.02017
59.75
59.7
59.65
59.6
59.55
59.5
59.45
59.4
59.35
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0
−0.2
−0.4
−0.6
−0.8
−1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Std Dev 5.588e−20
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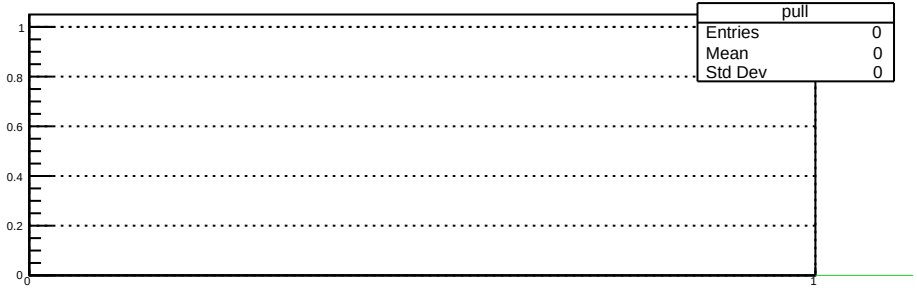
pull
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Std Dev 0
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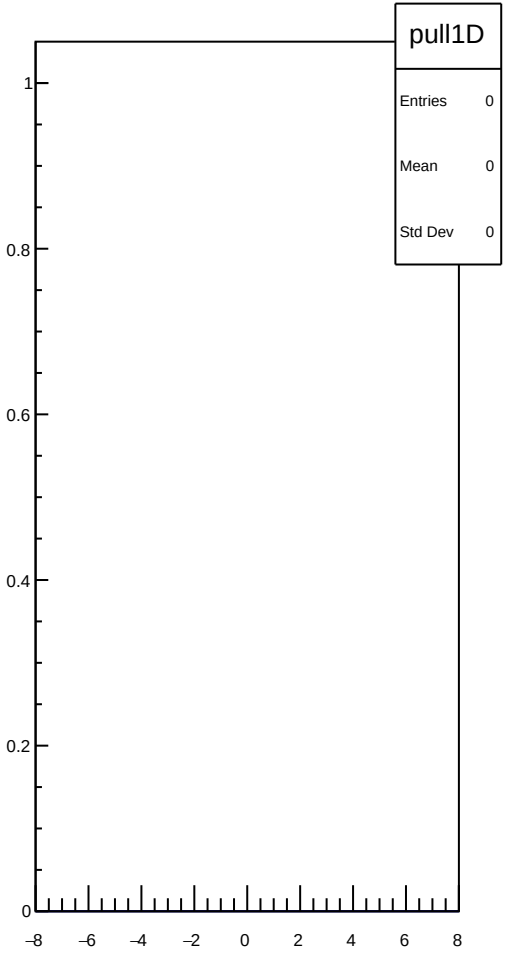
pull1D
Entries 0
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Std Dev 0
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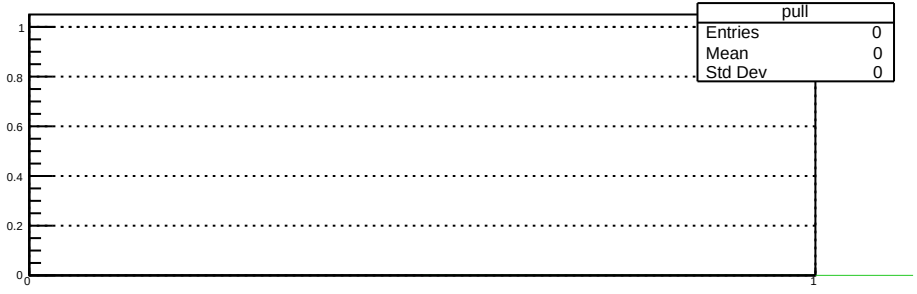
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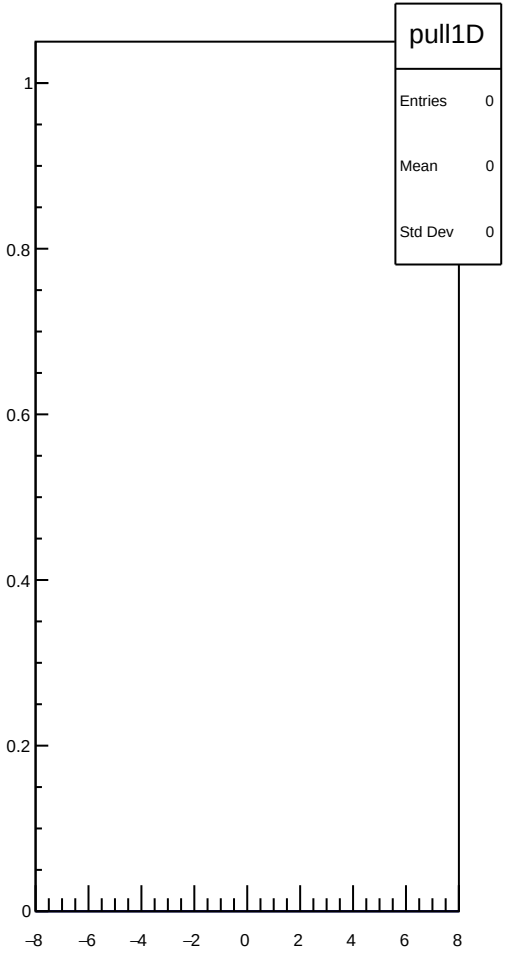
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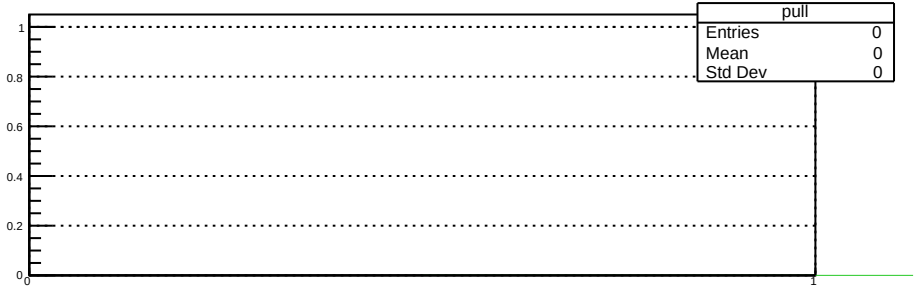
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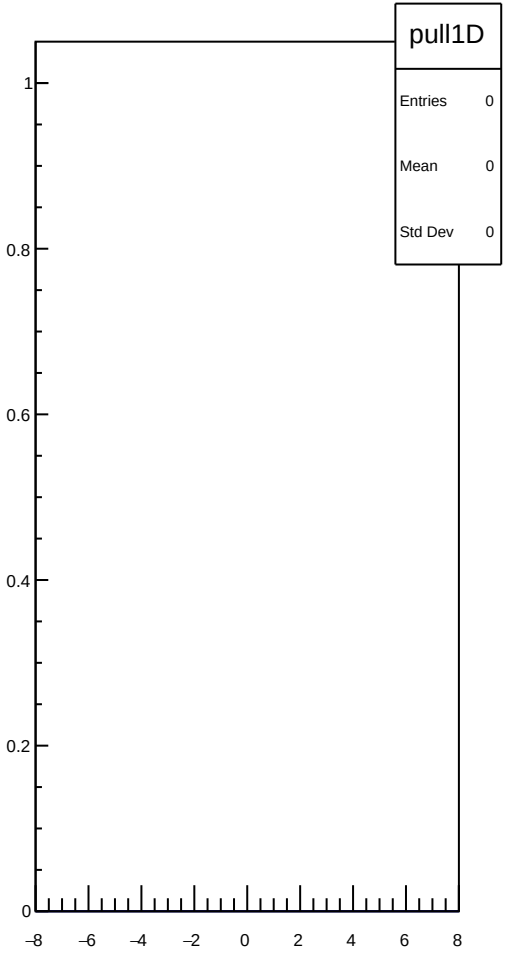
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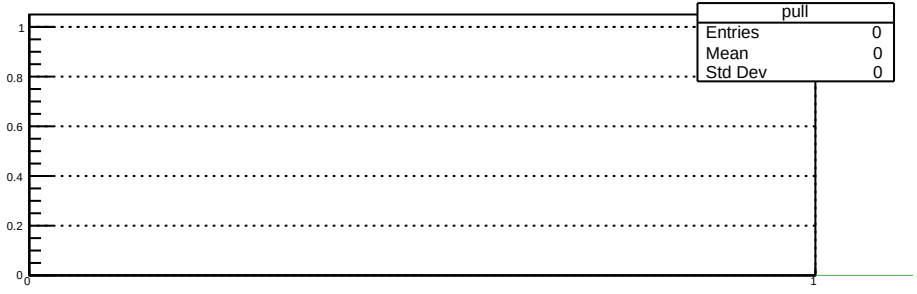
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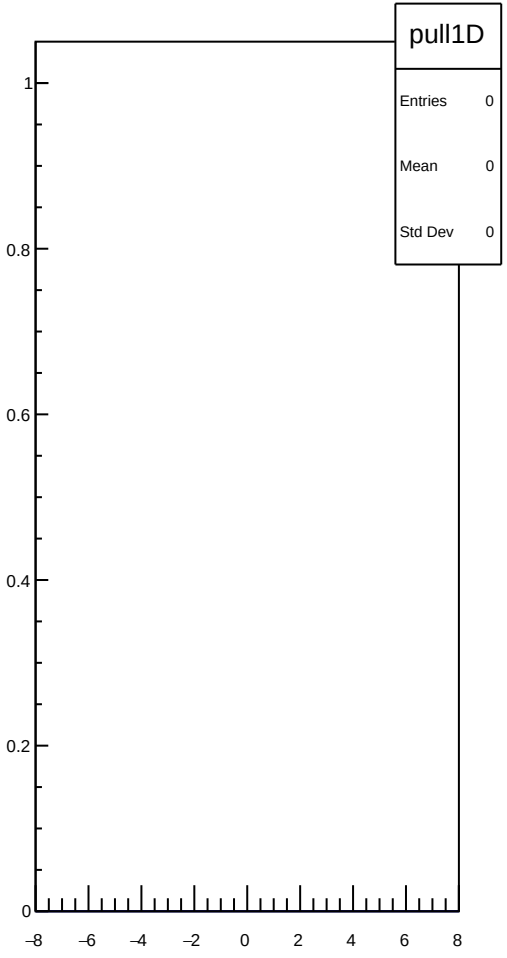
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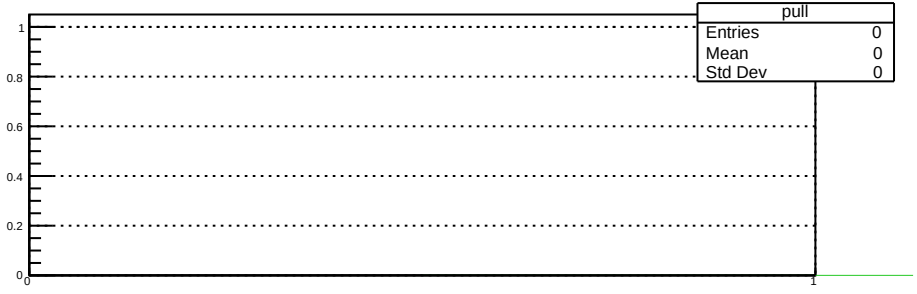
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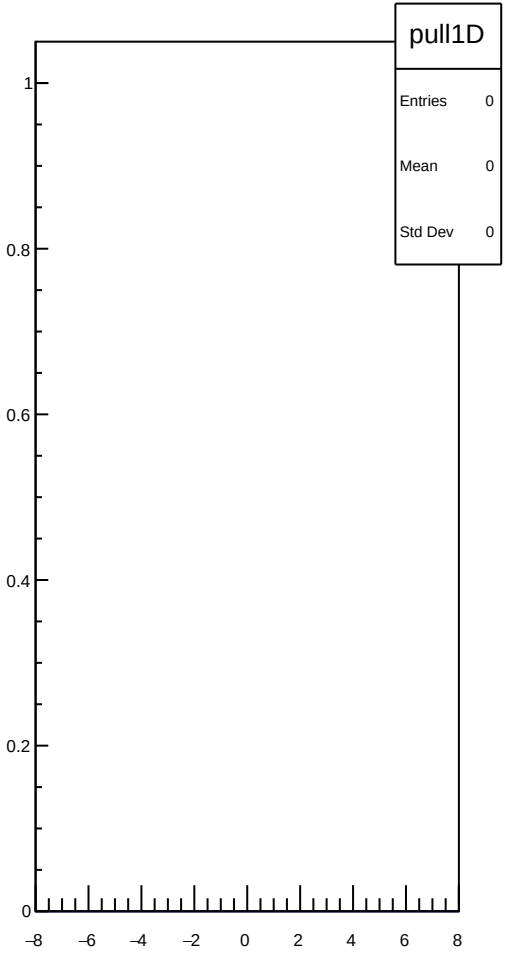
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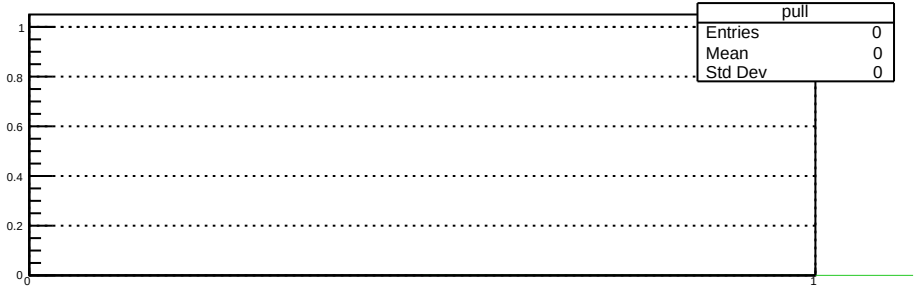
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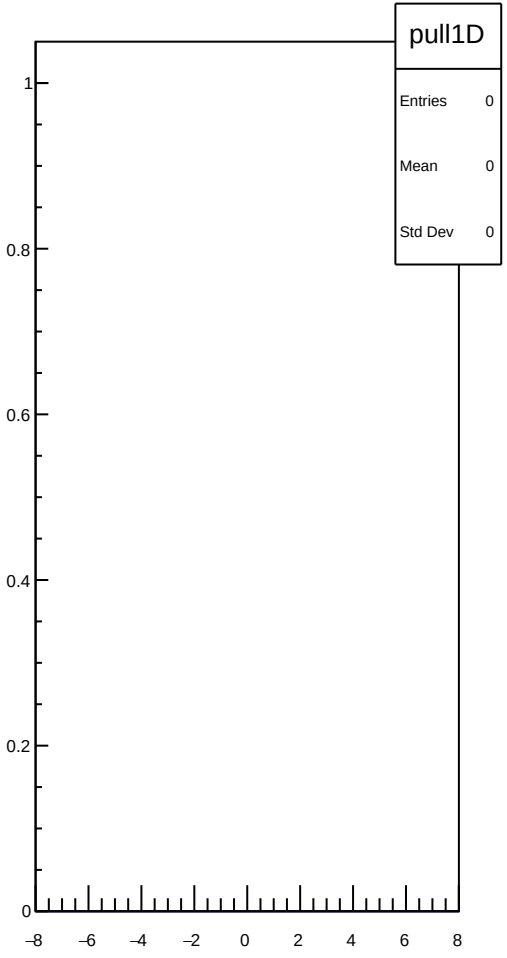
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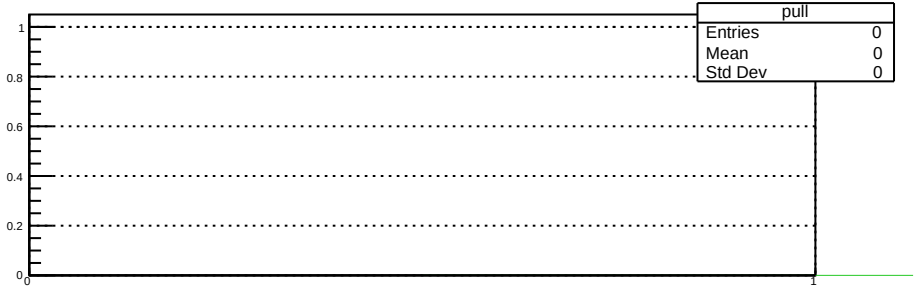
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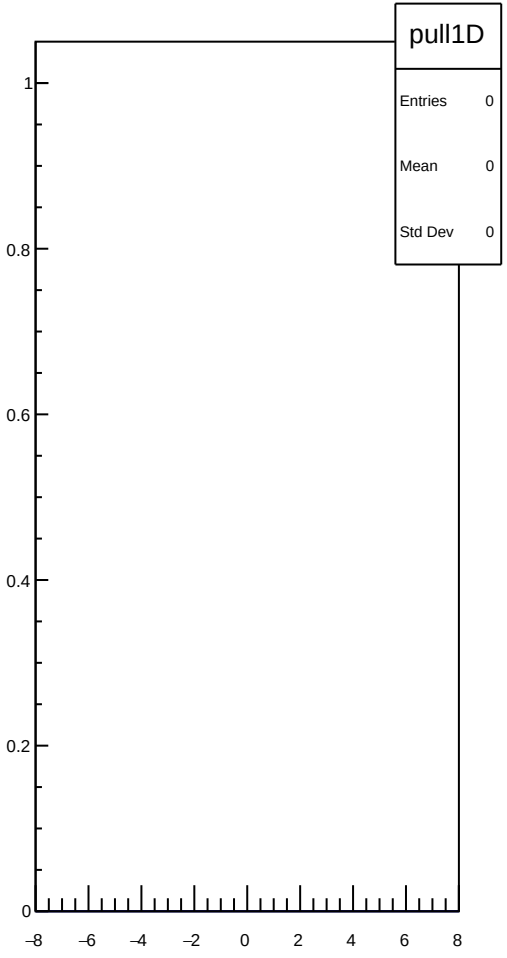
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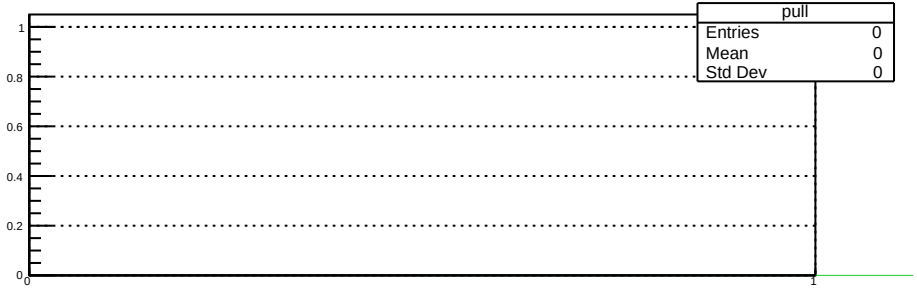
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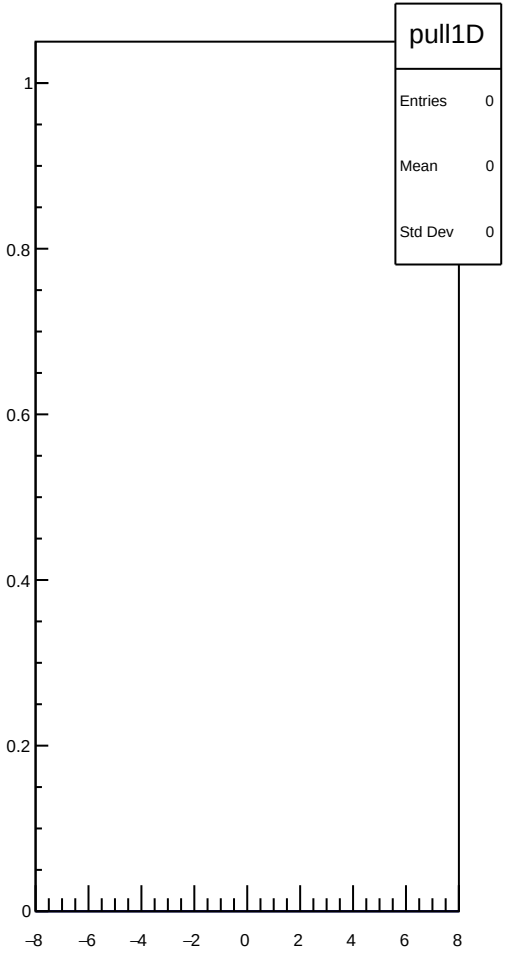
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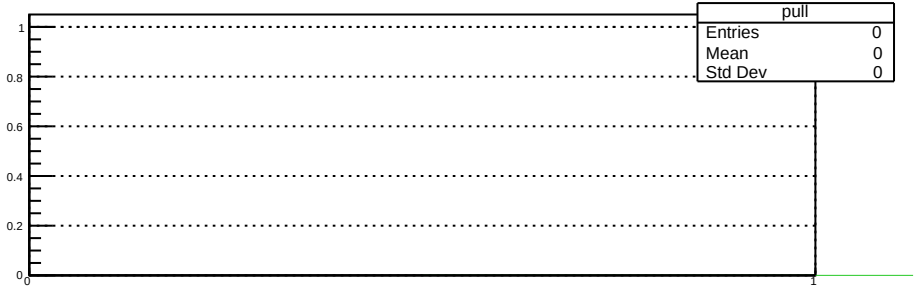
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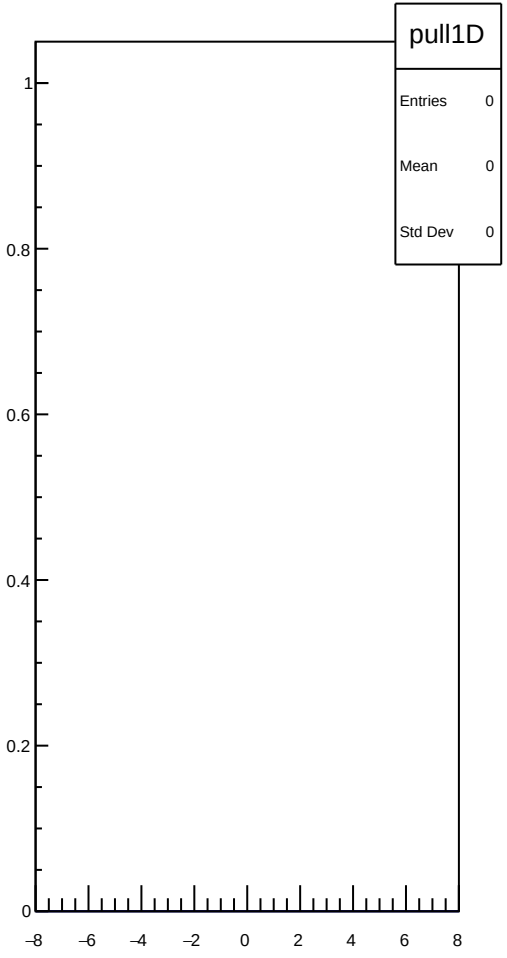
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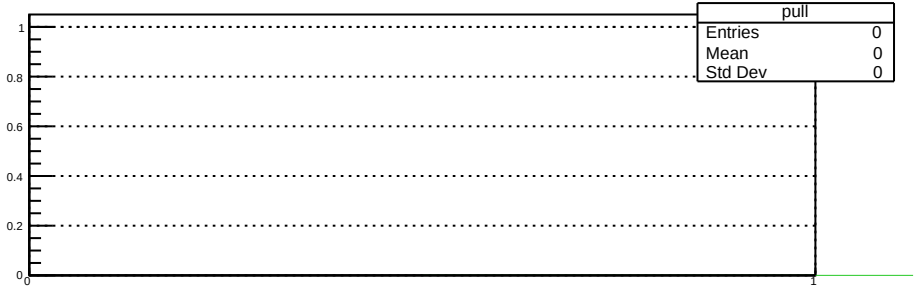
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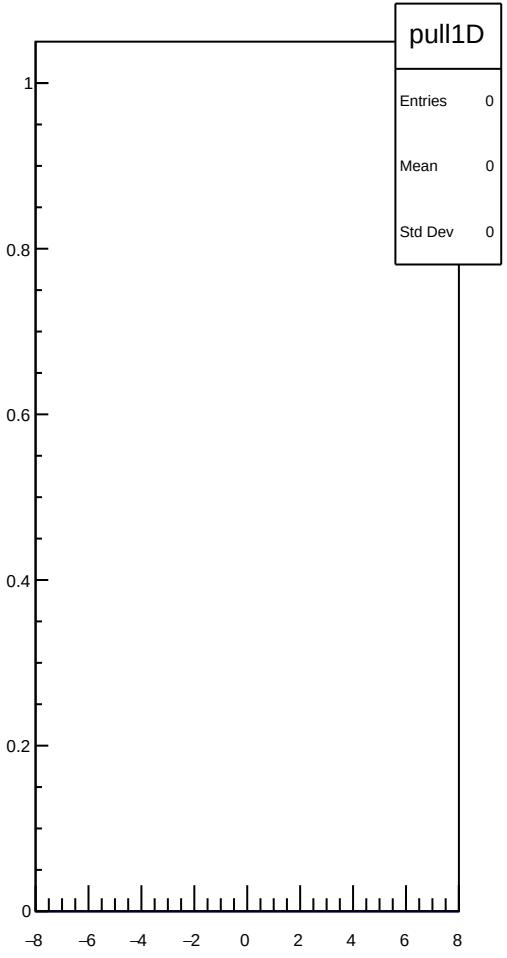
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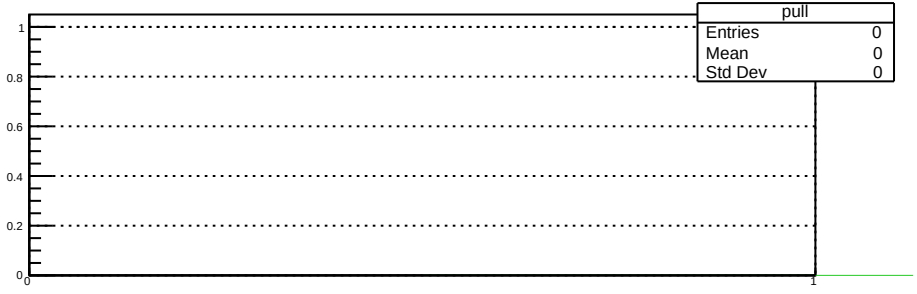
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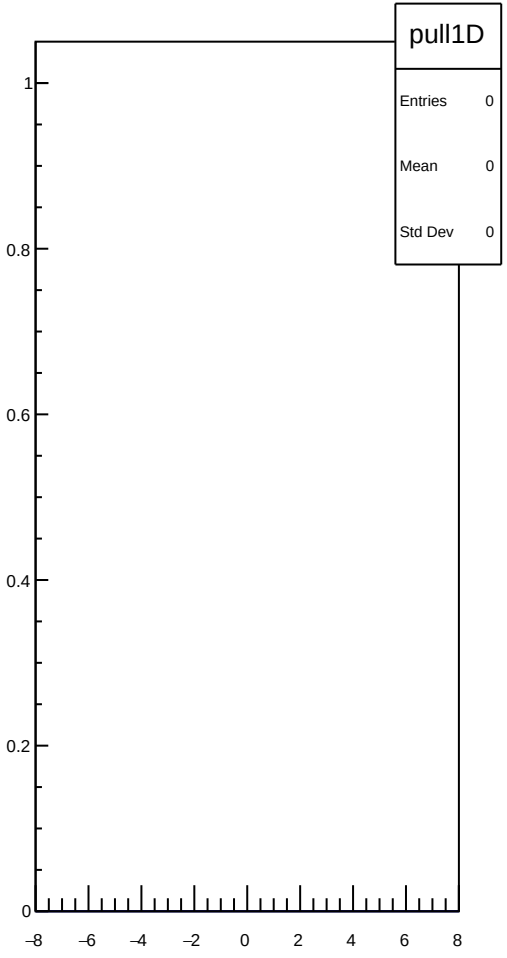
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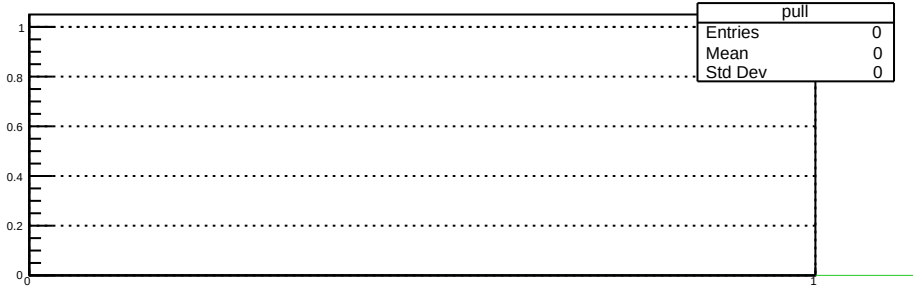
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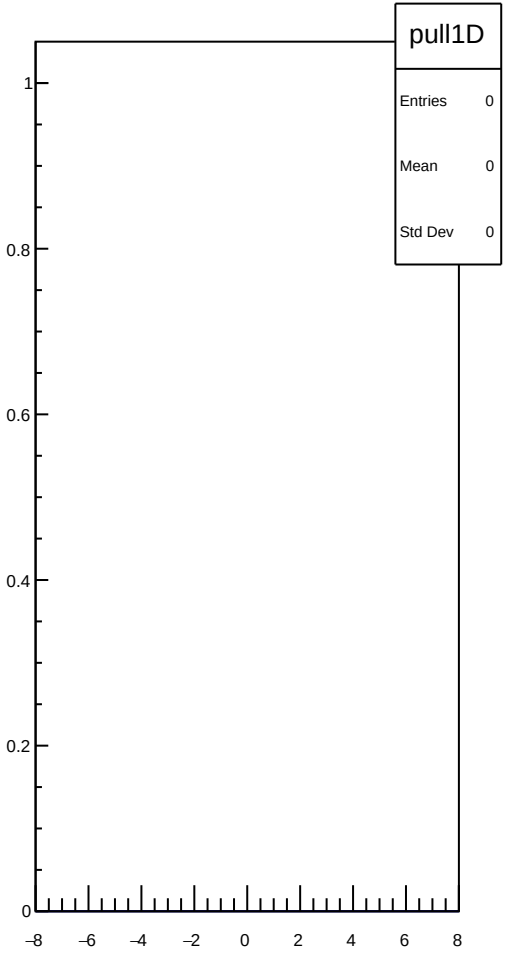
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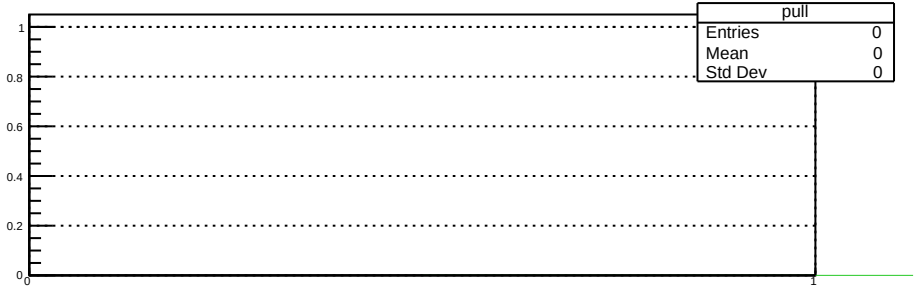
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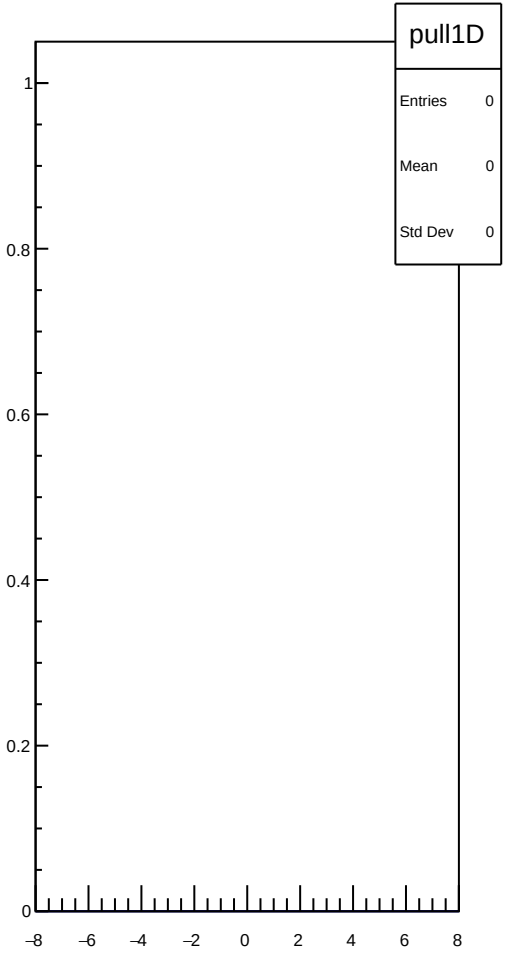
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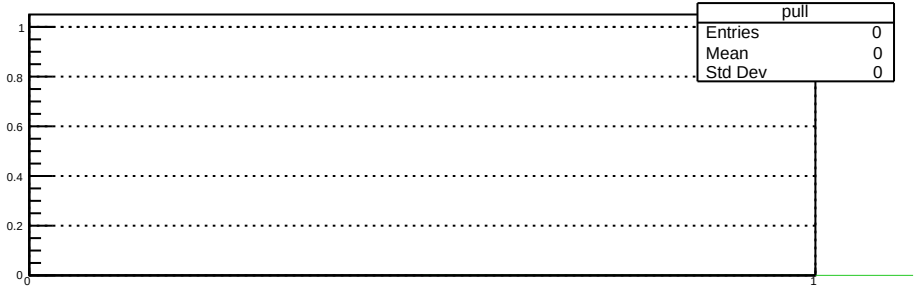
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Std Dev 0
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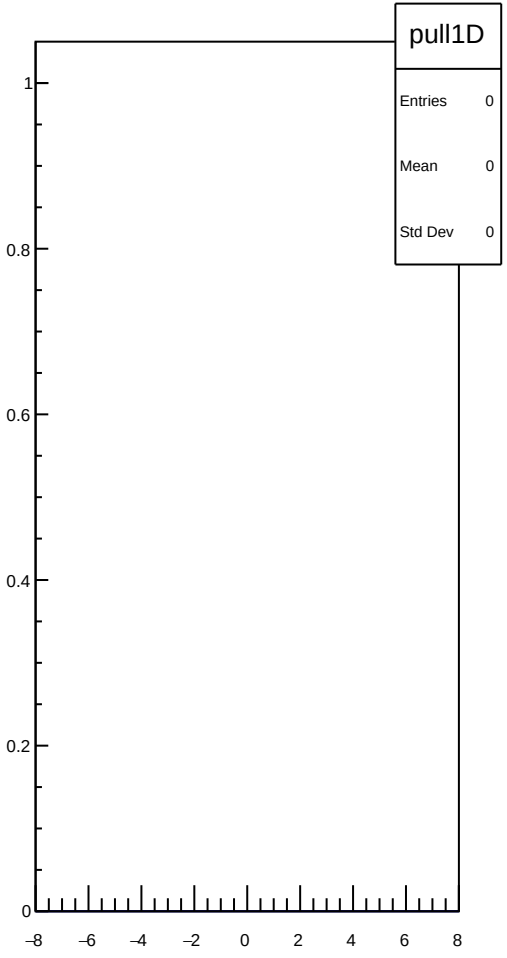
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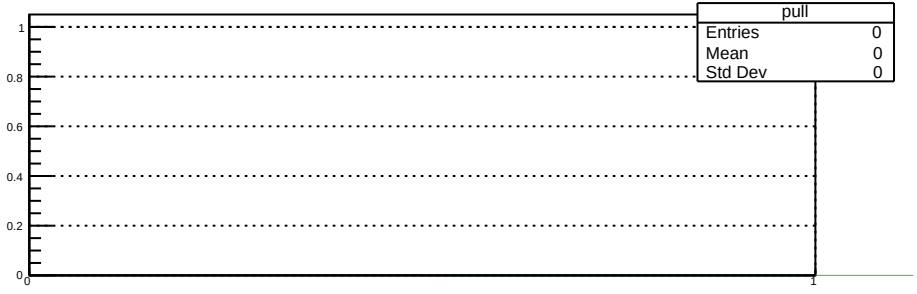
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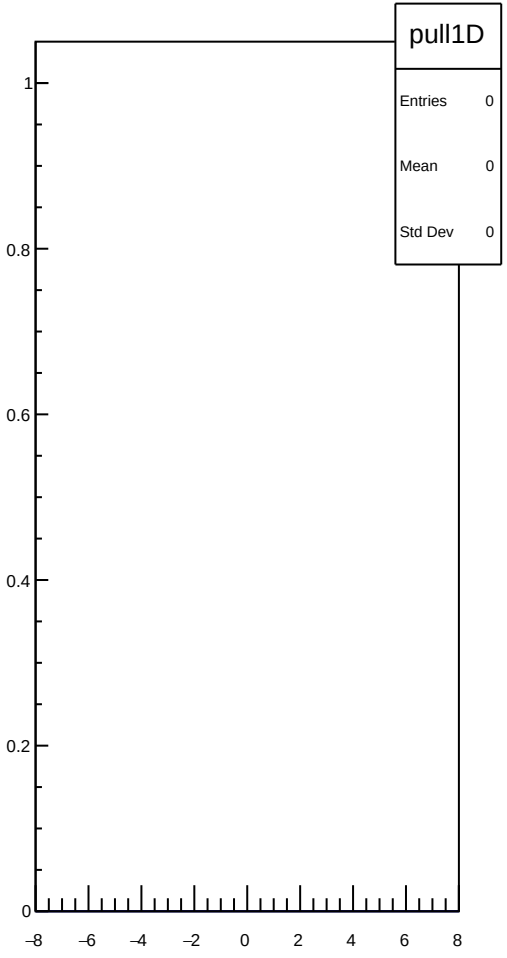
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Std Dev 0
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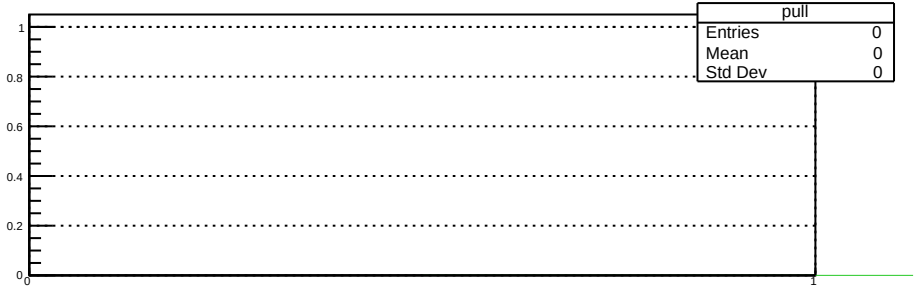
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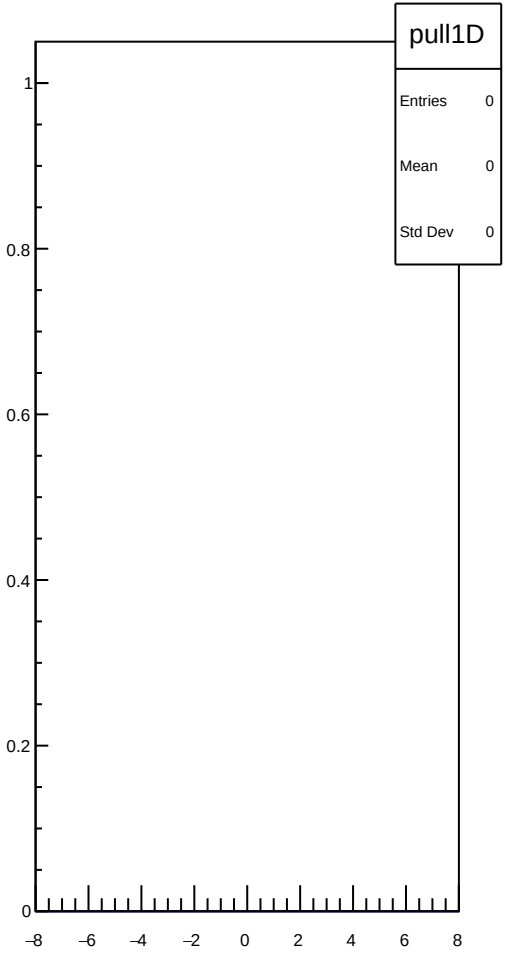
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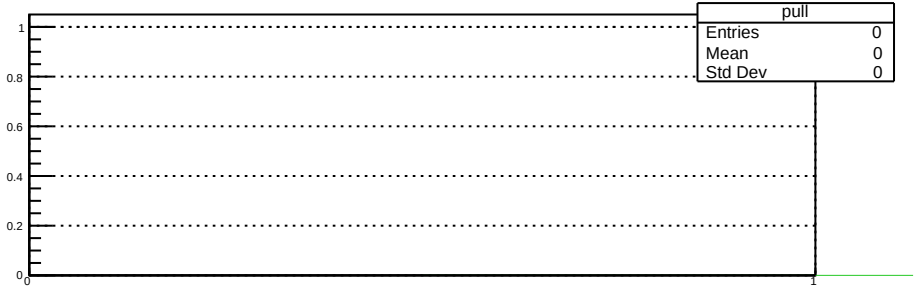
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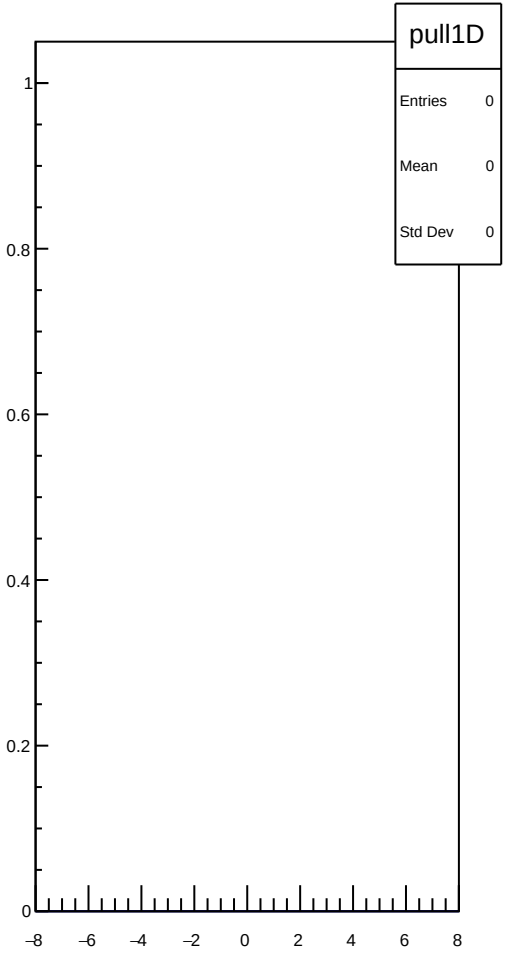
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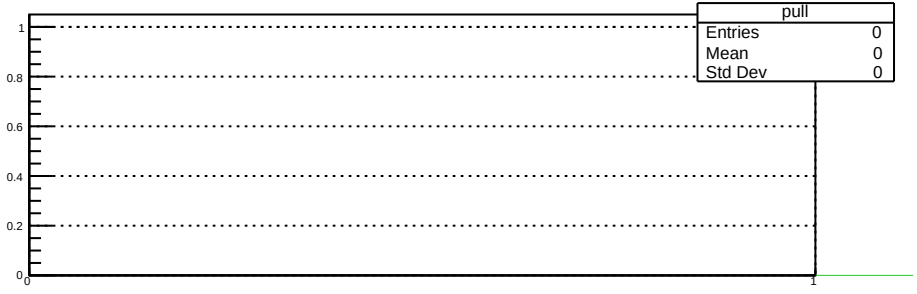
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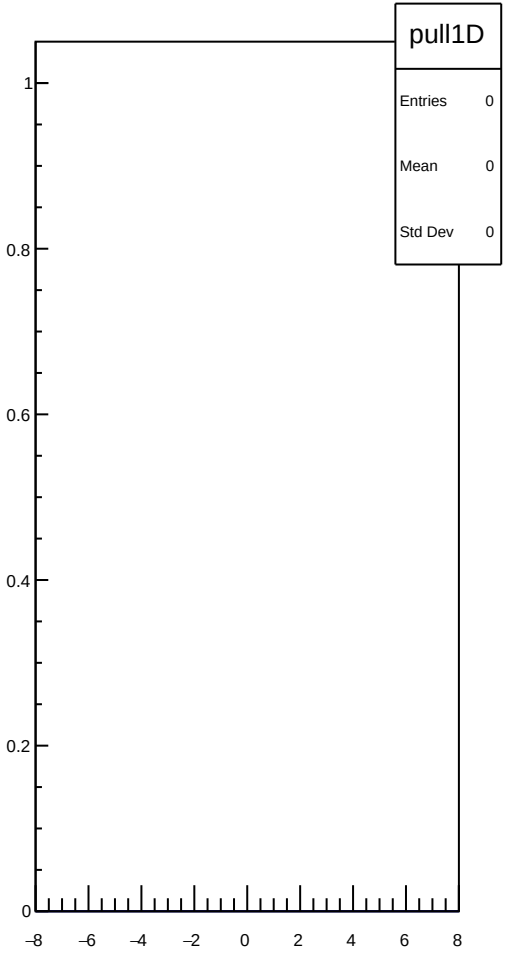
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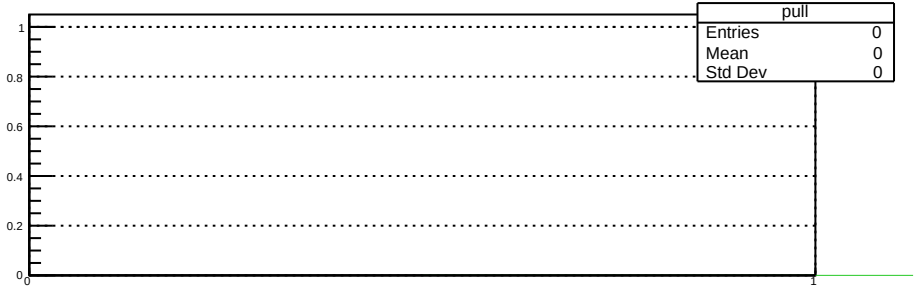
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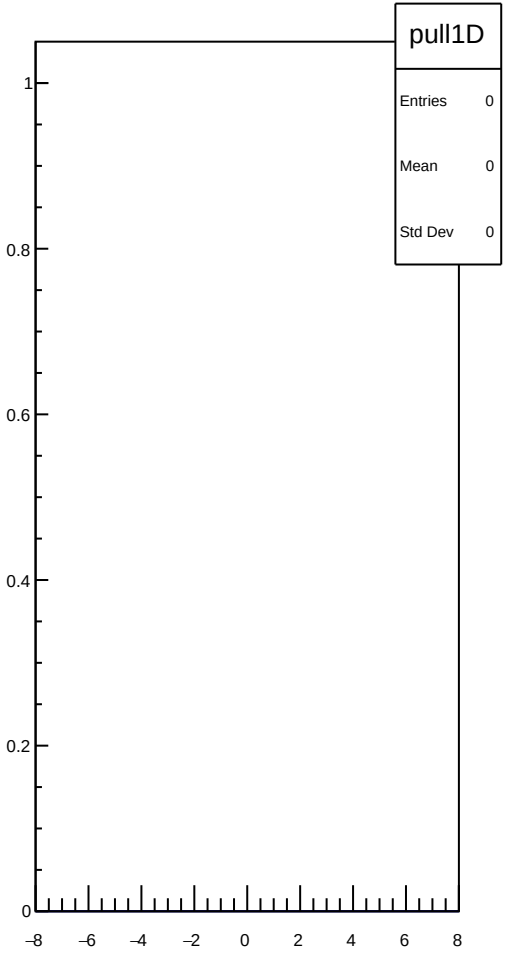
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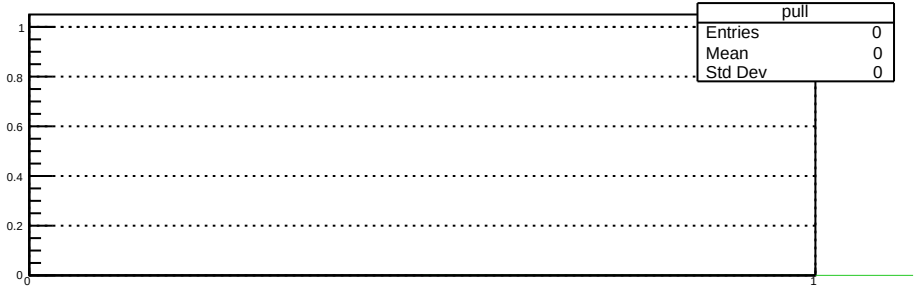
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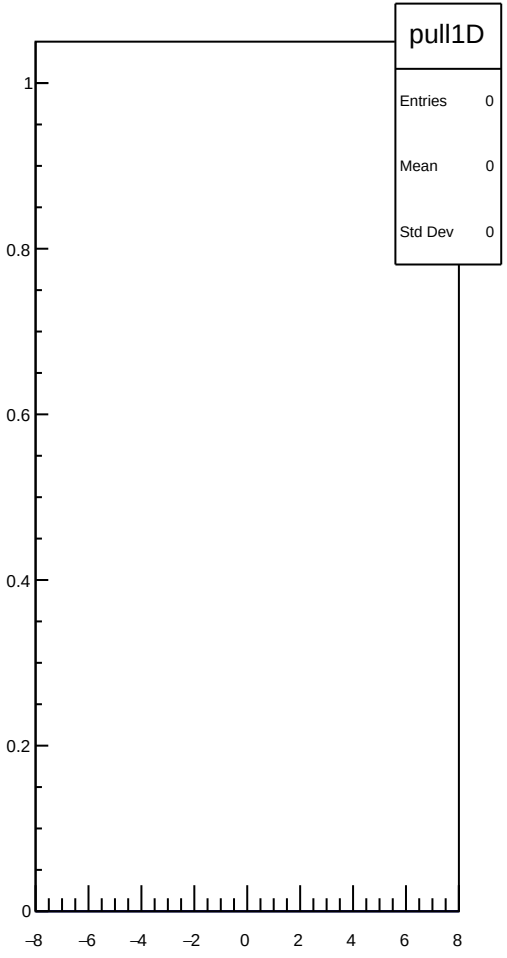
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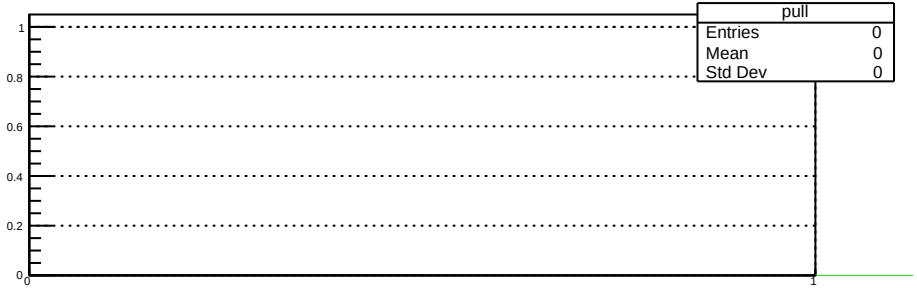
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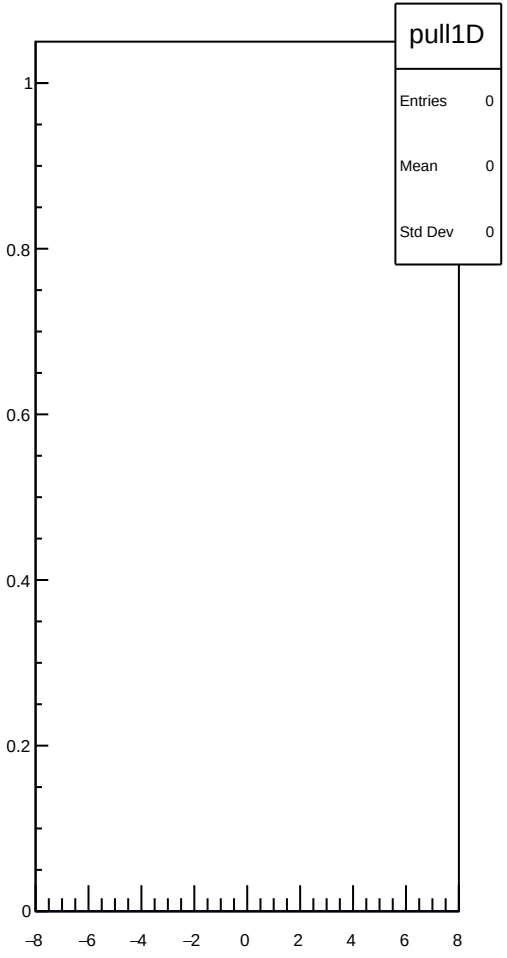
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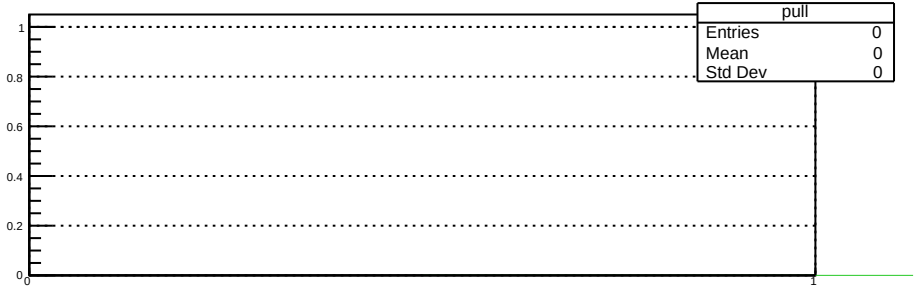
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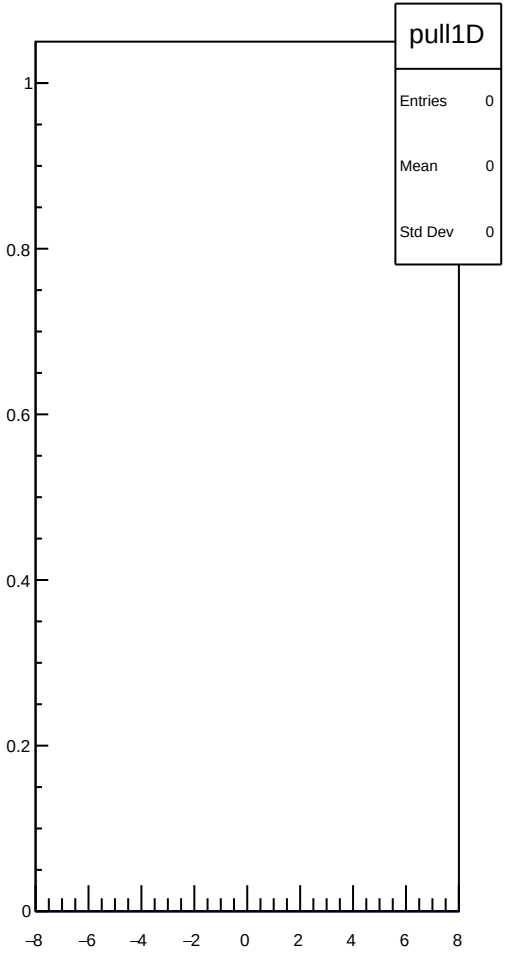
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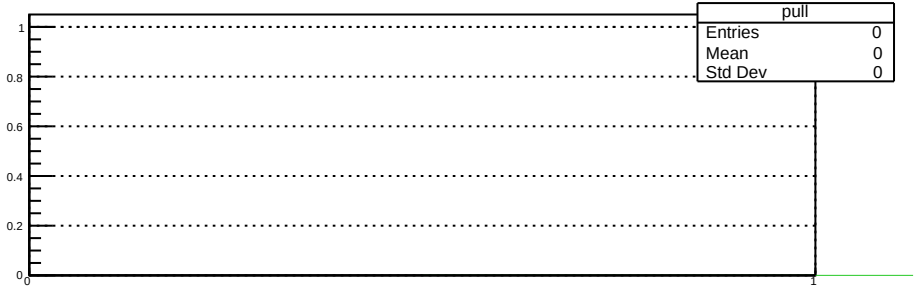
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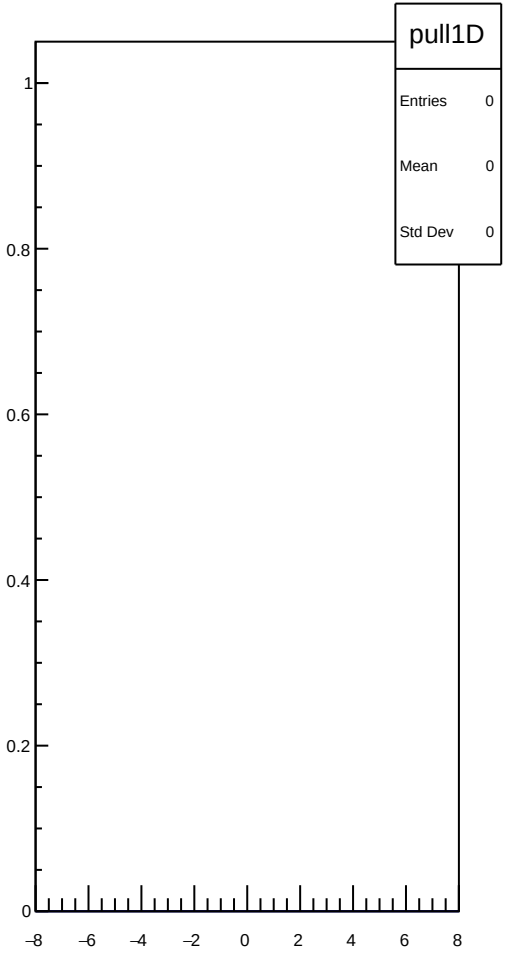
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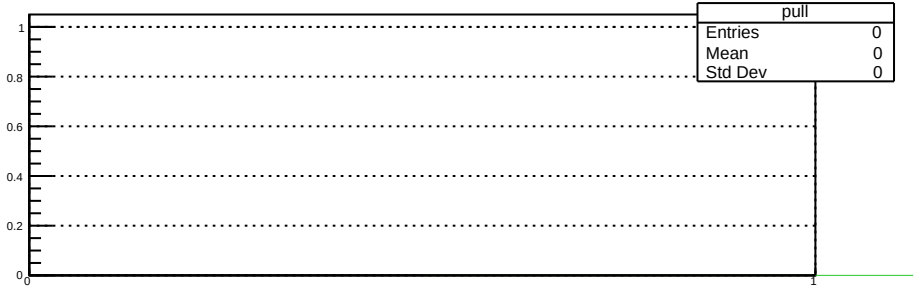
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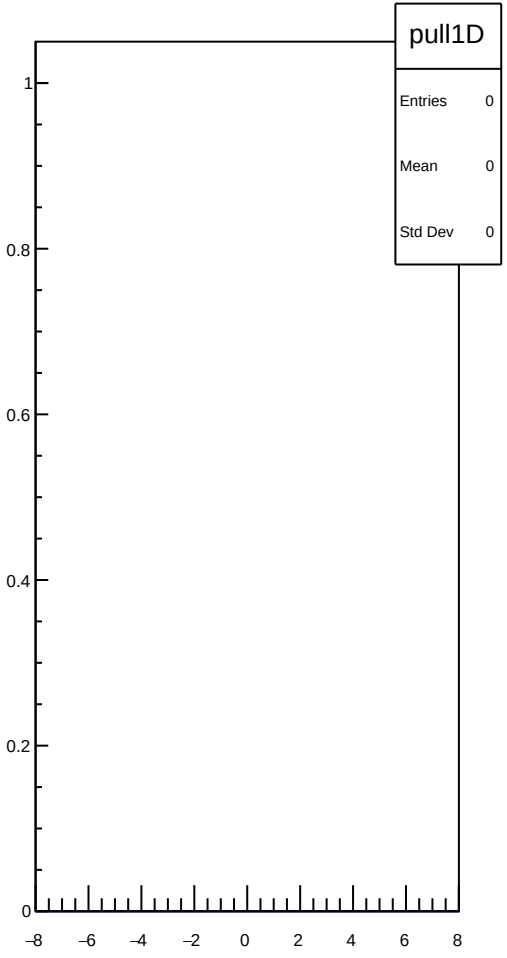
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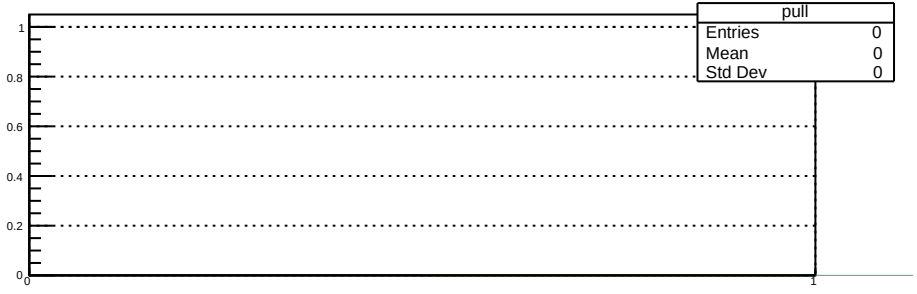
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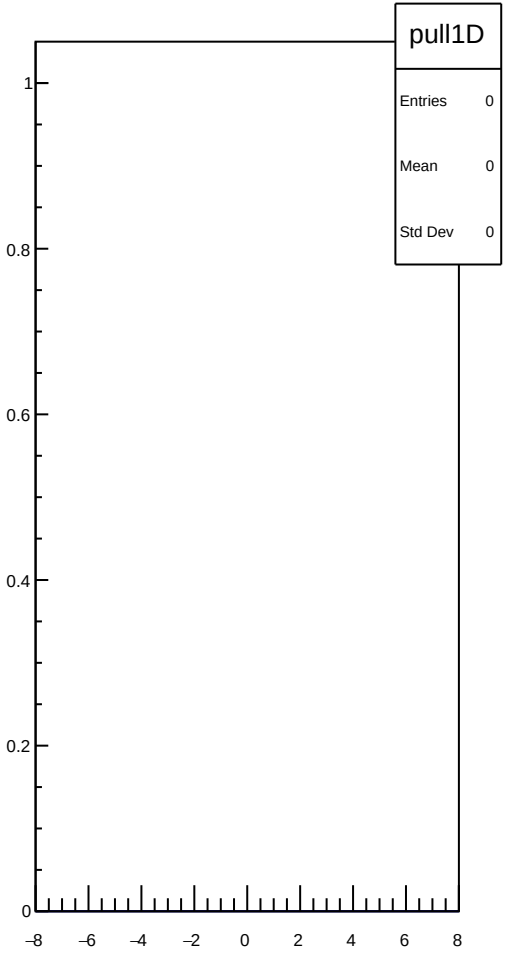
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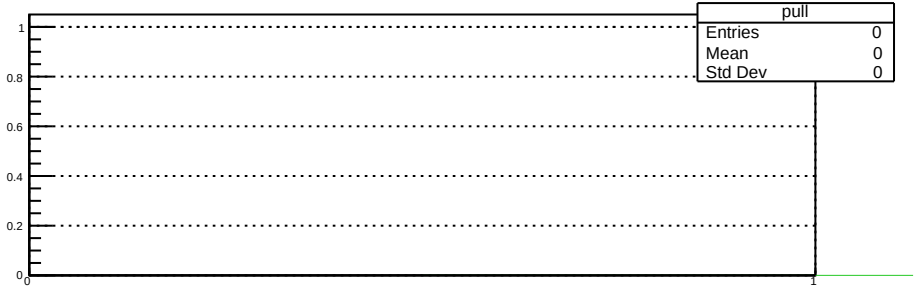
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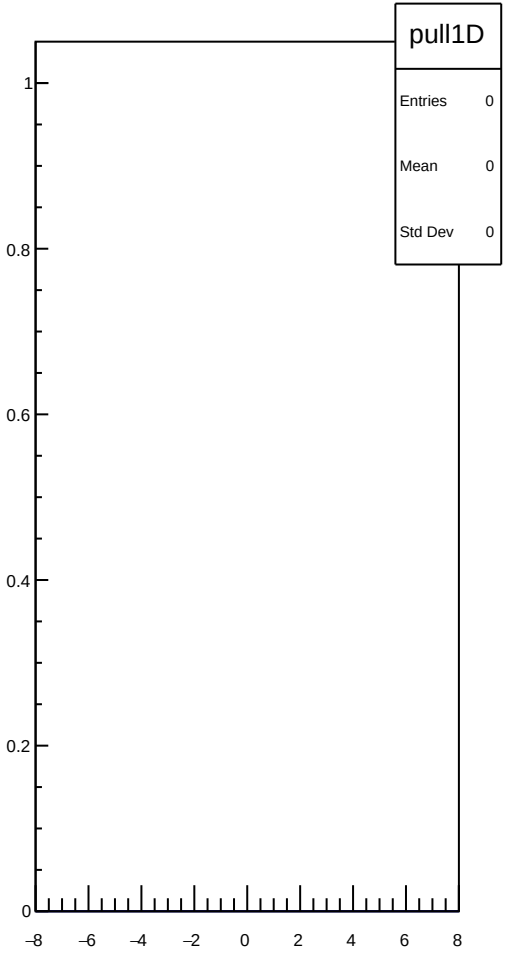
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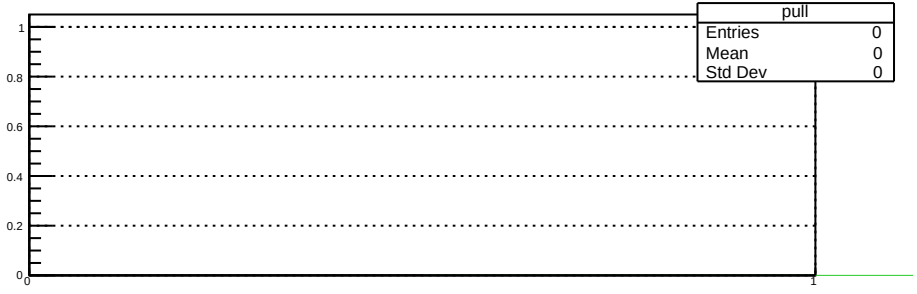
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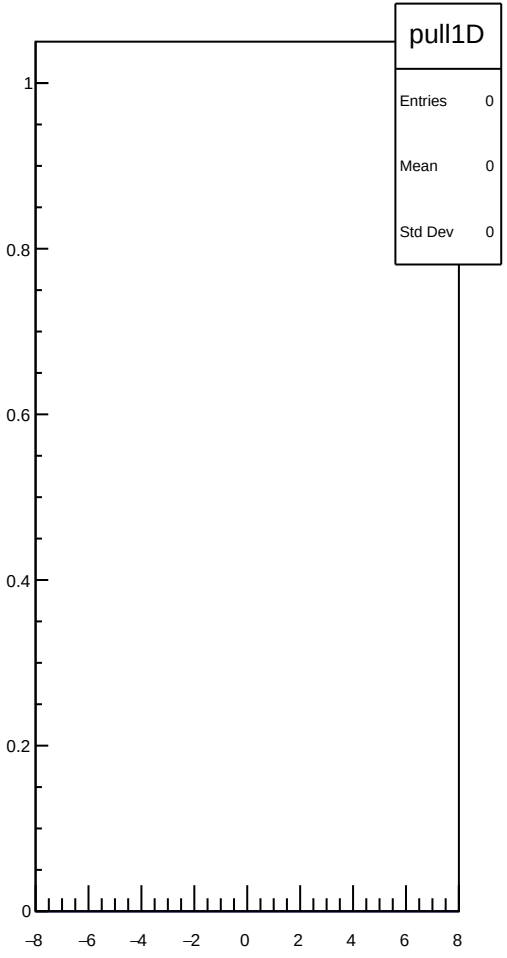
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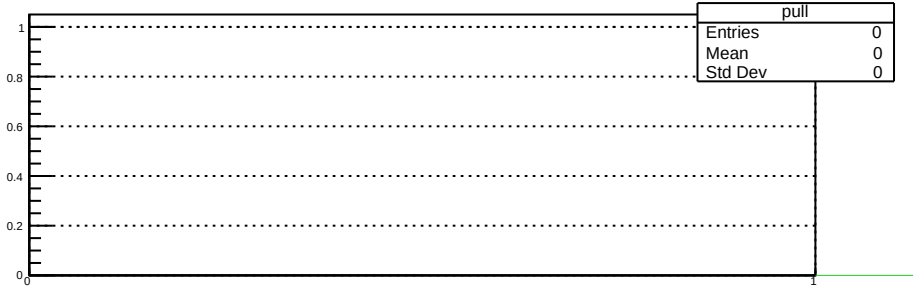
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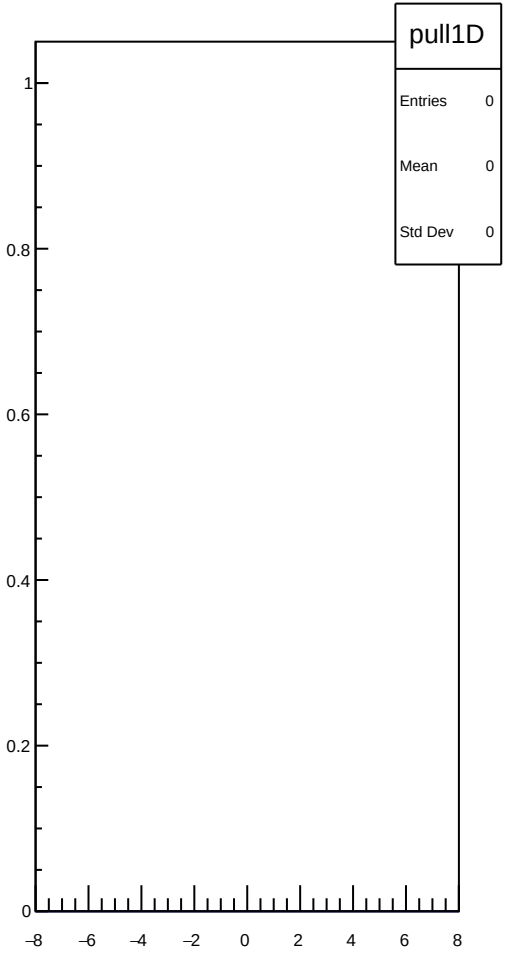
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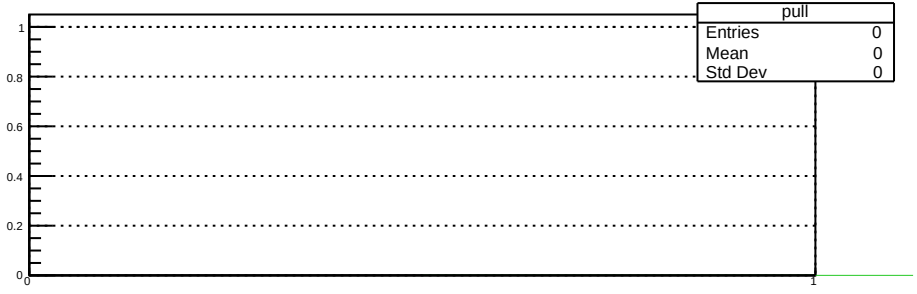
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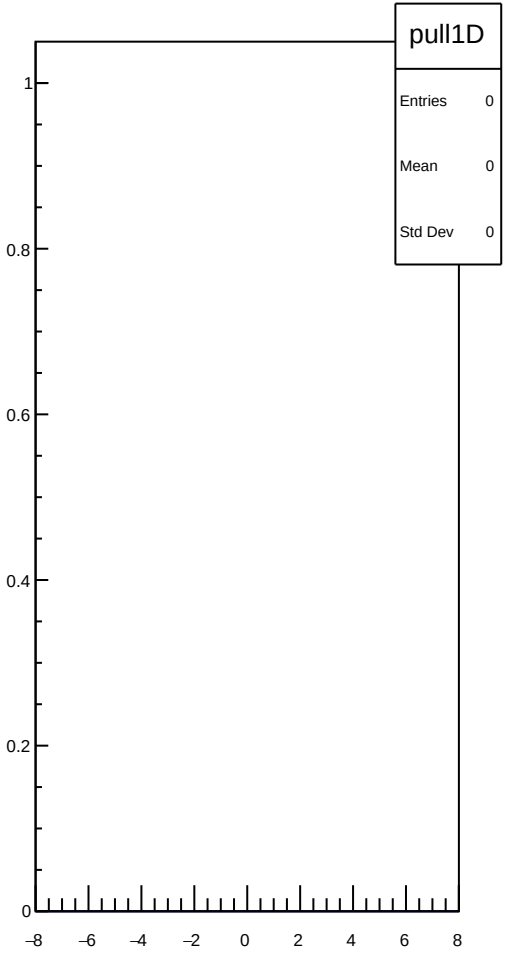
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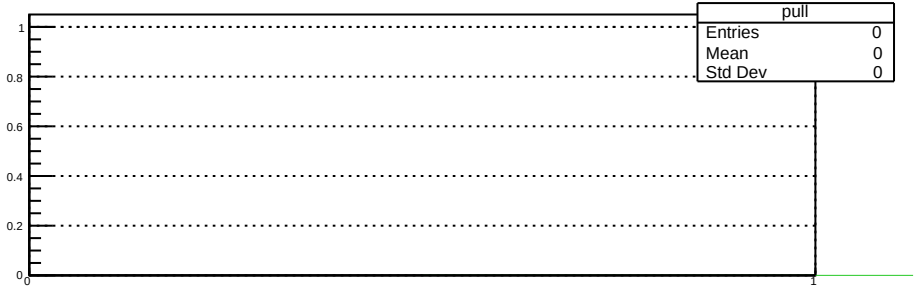
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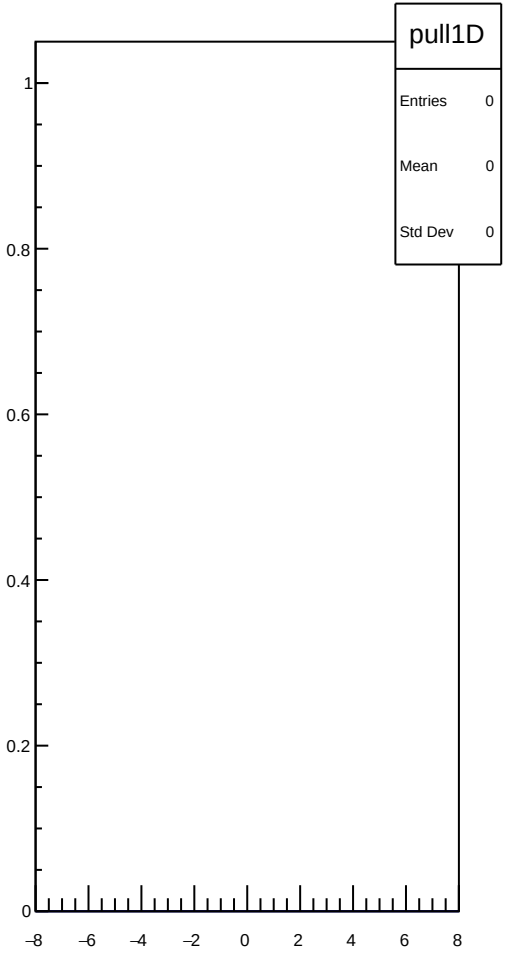
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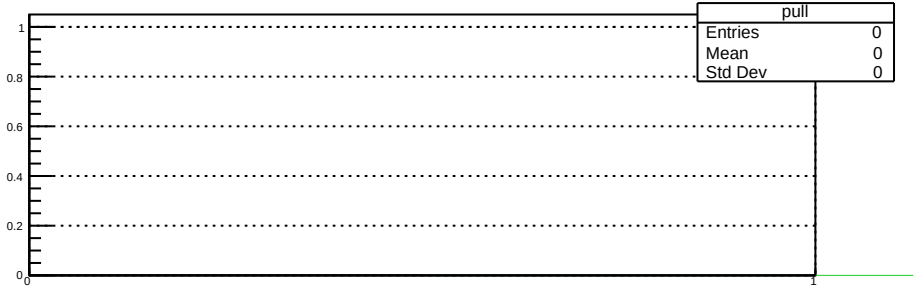
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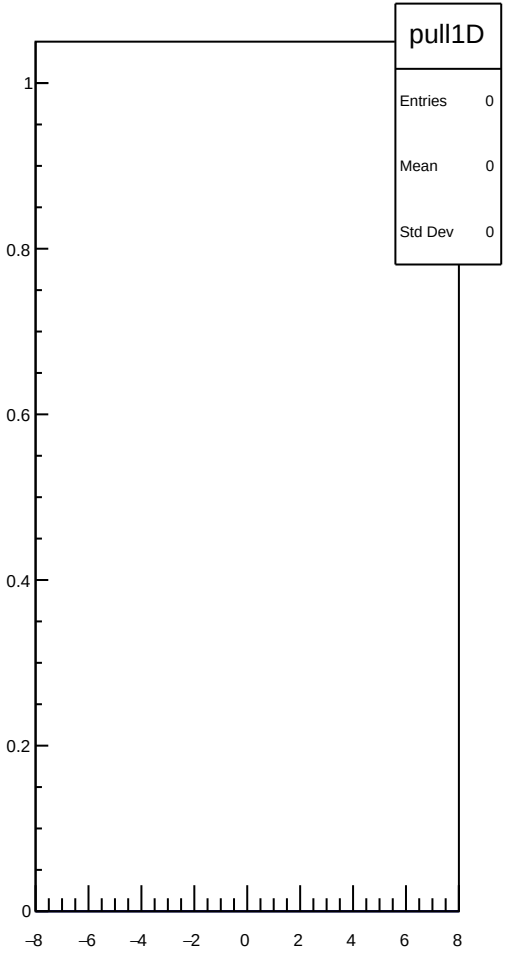
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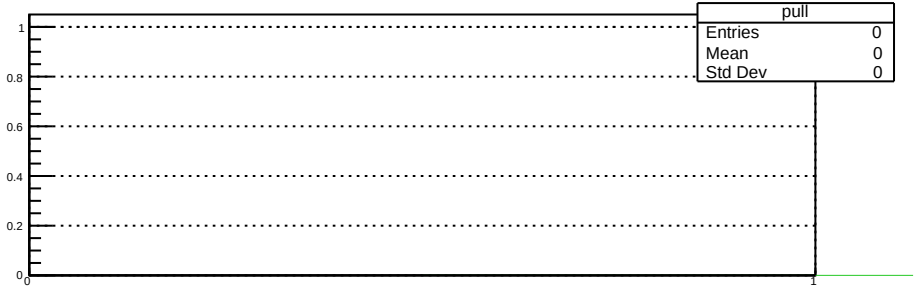
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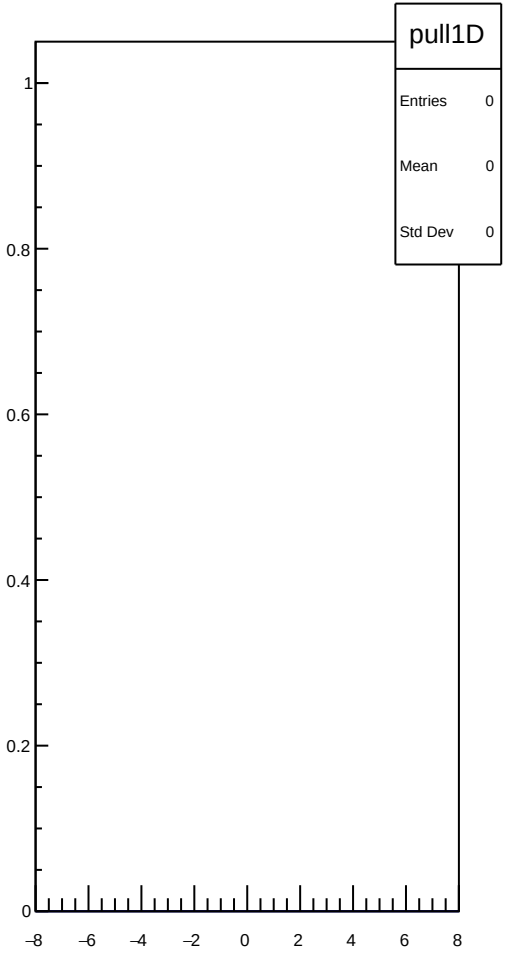
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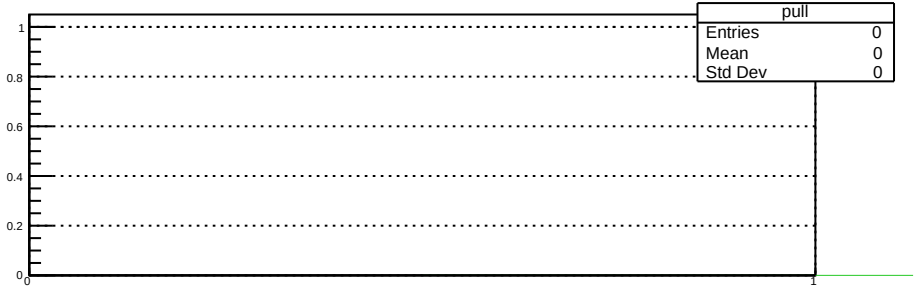
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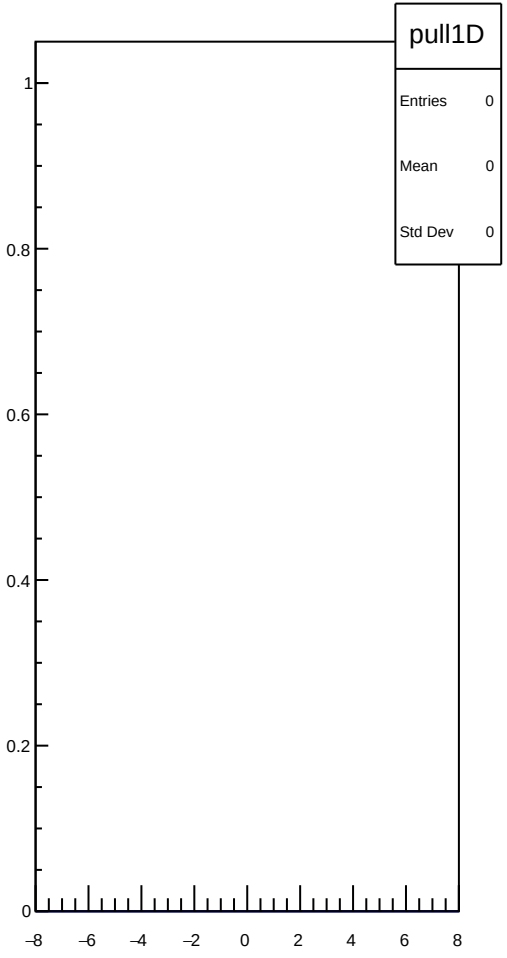
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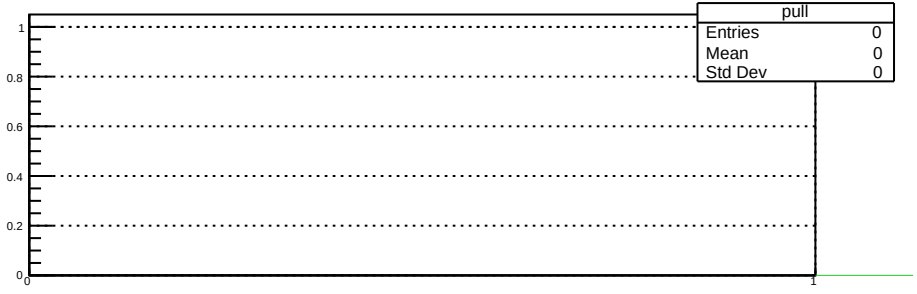
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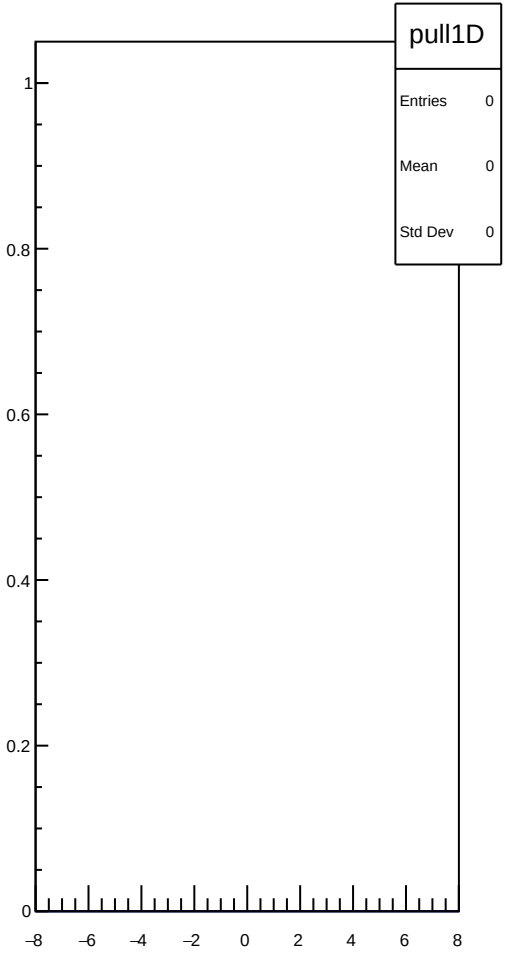
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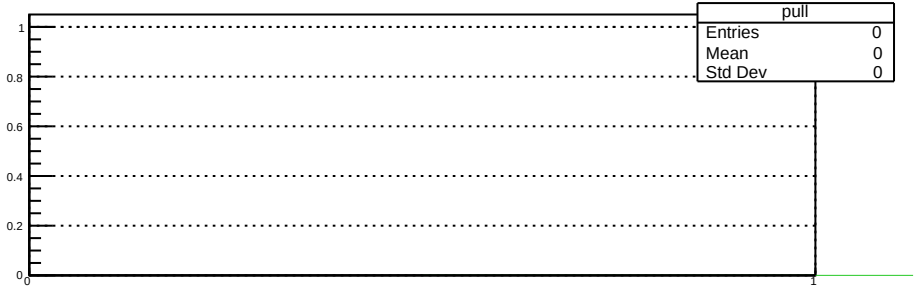
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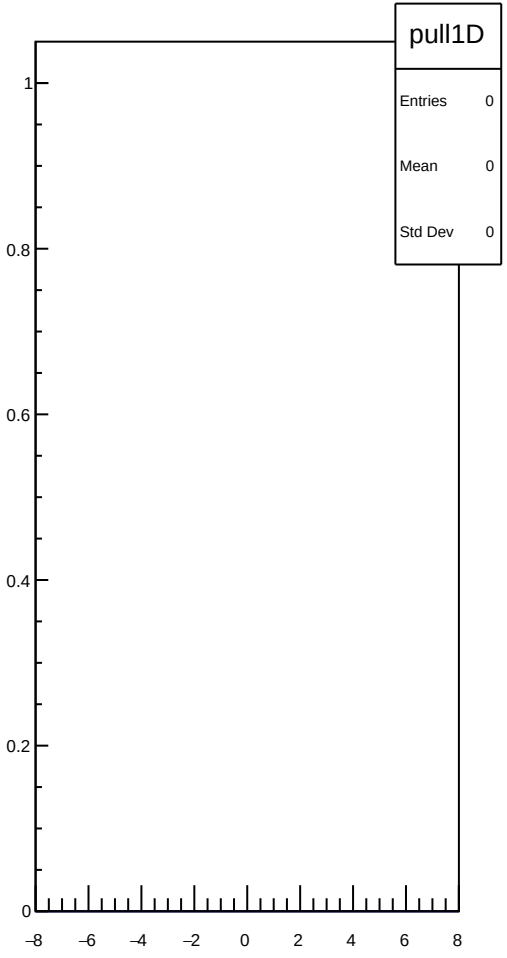
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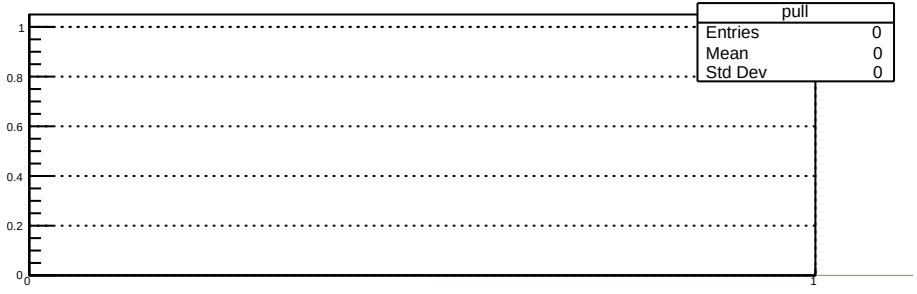
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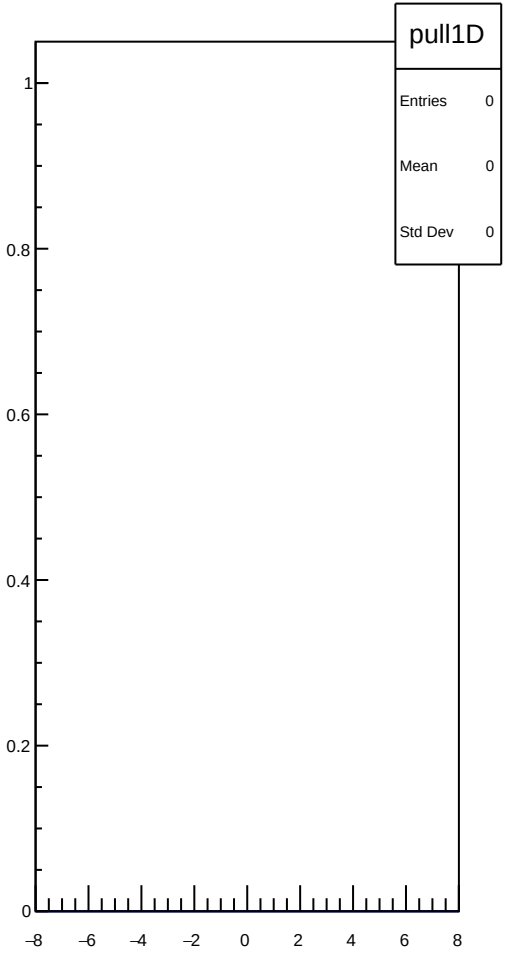
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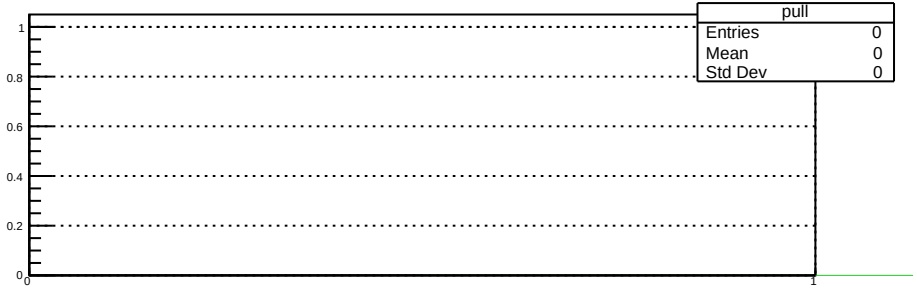
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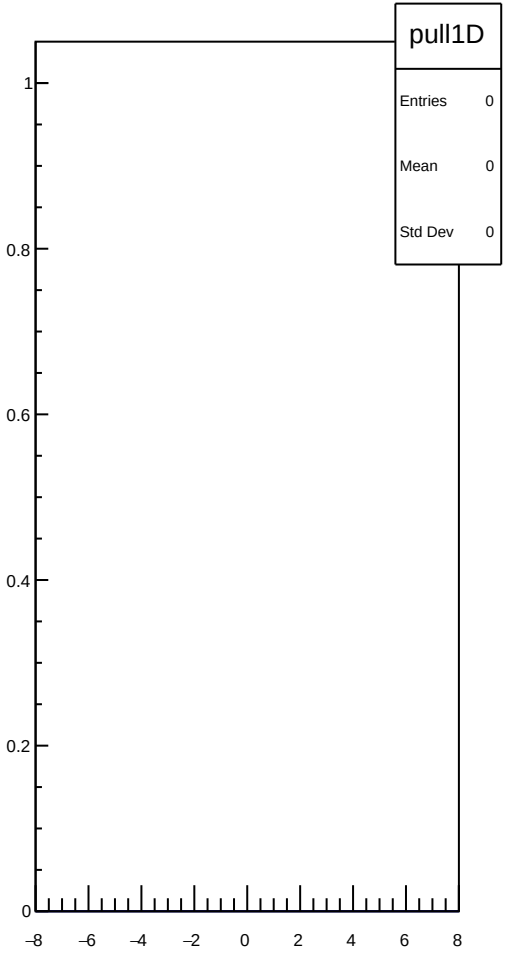
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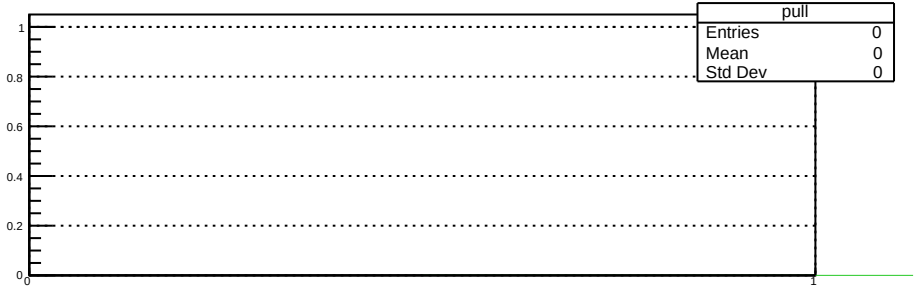
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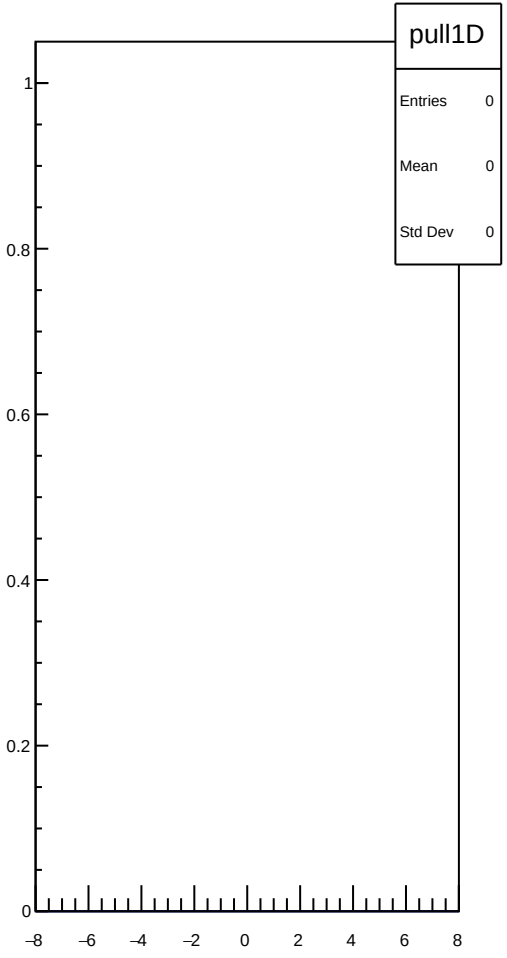
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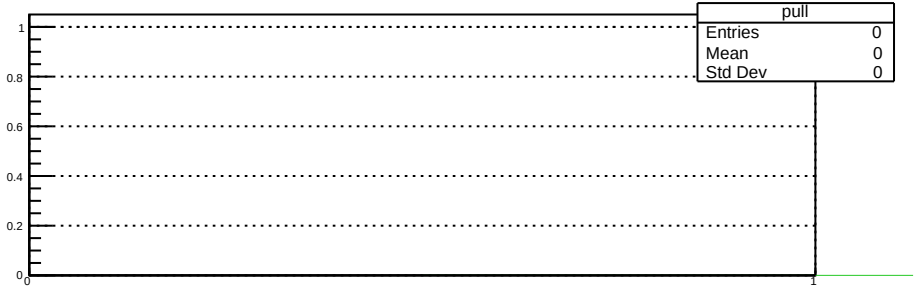
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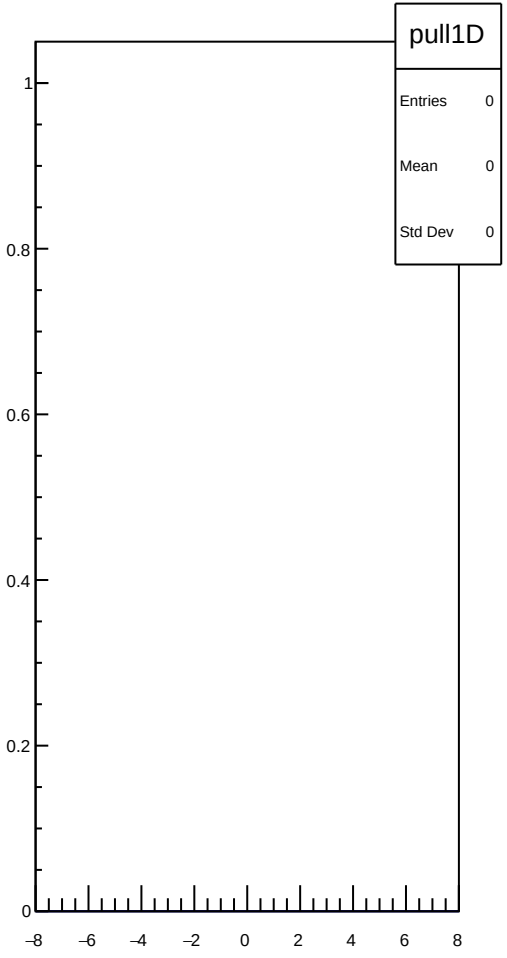
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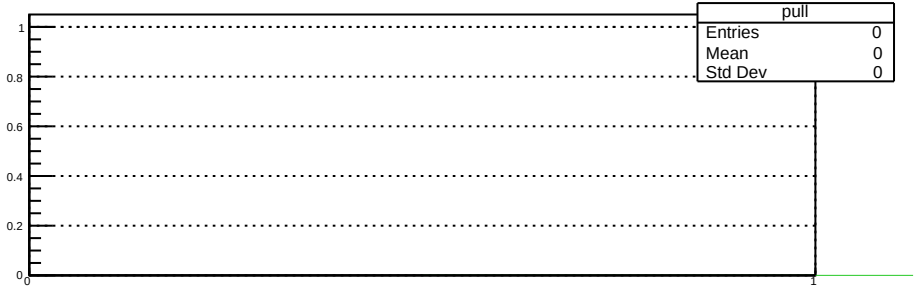
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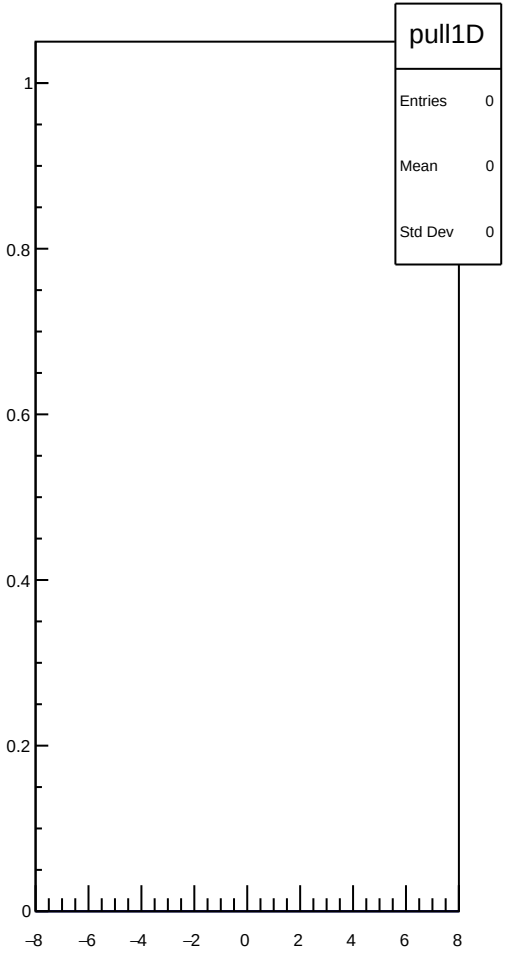
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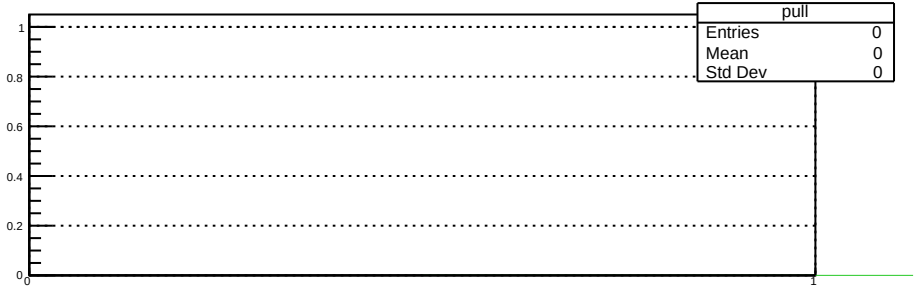
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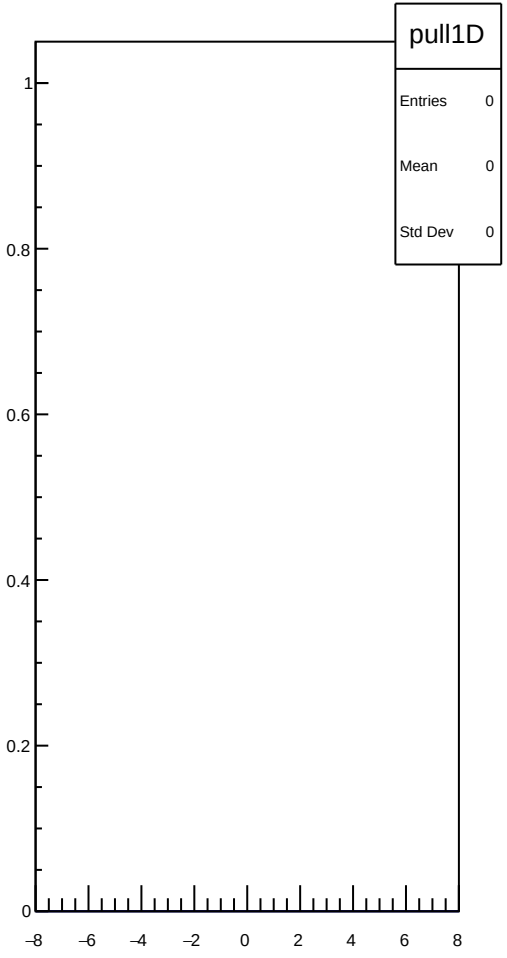
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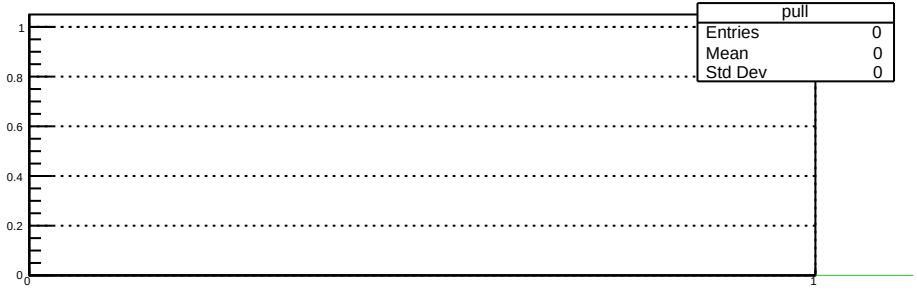
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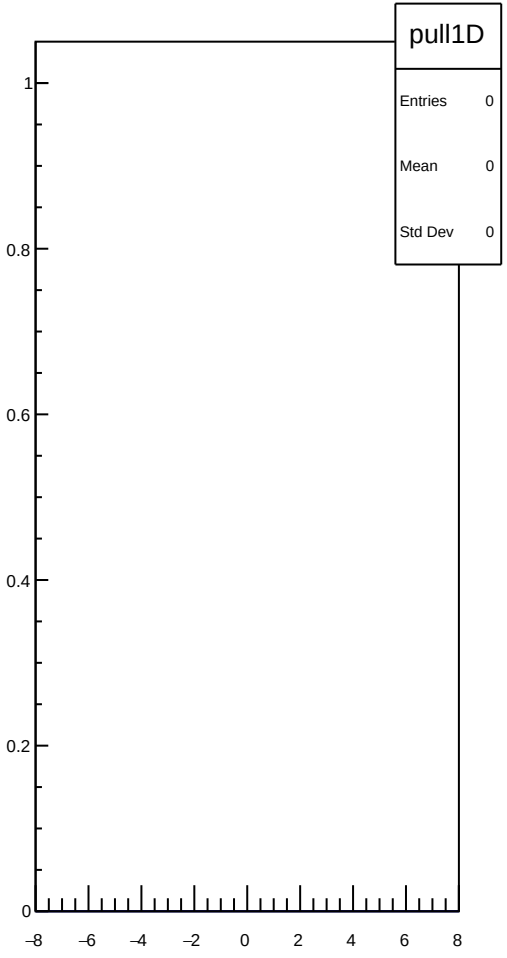
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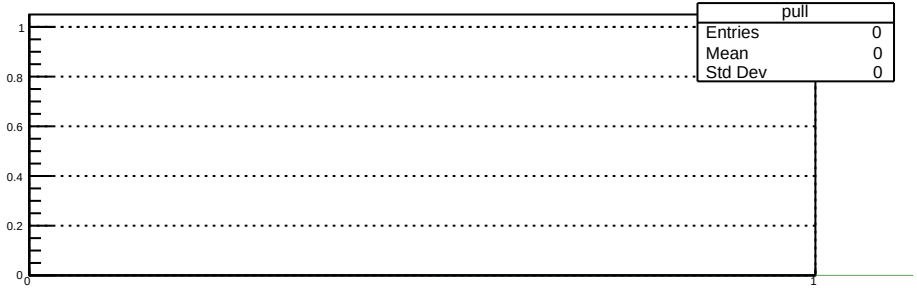
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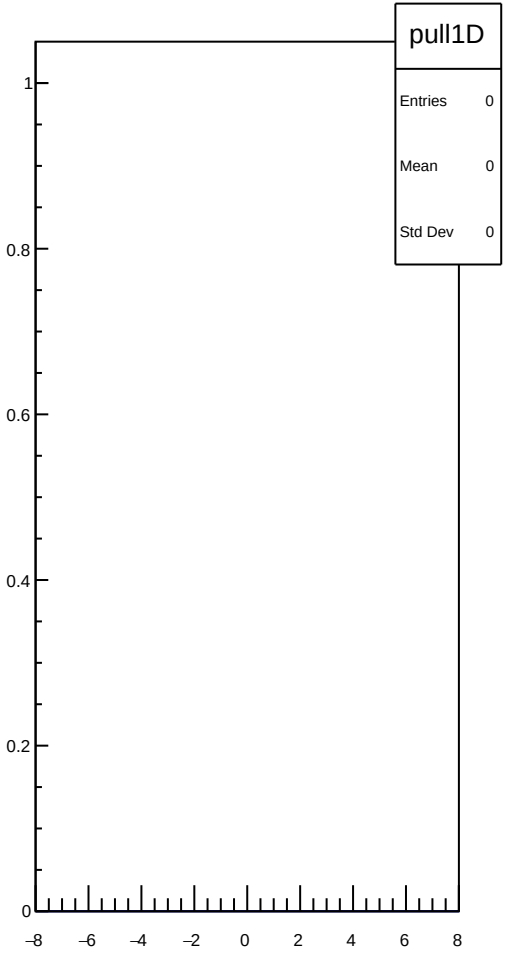
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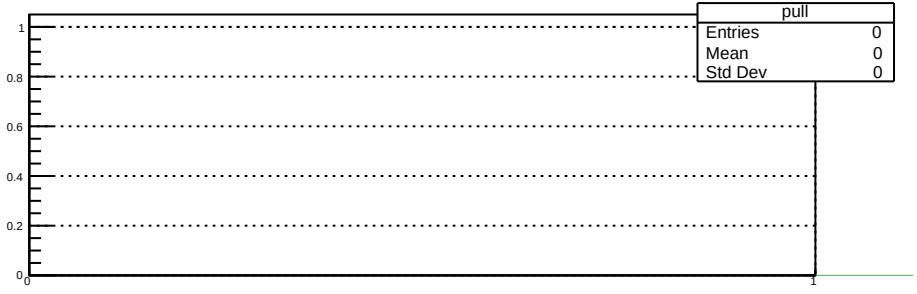
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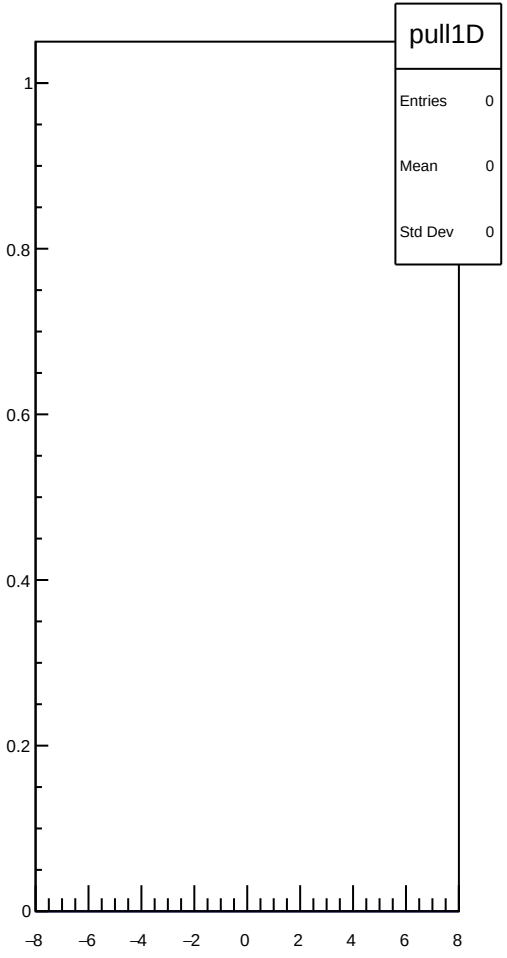
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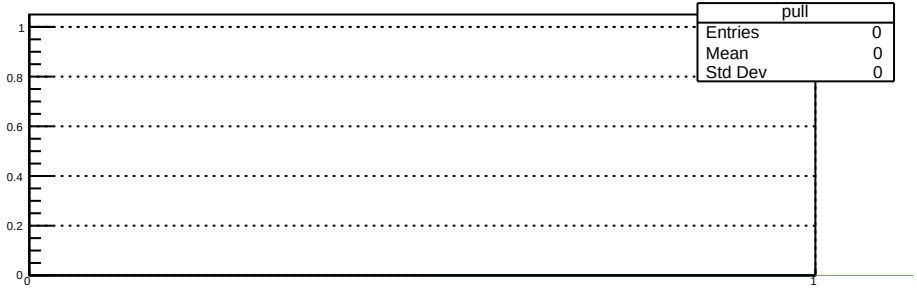
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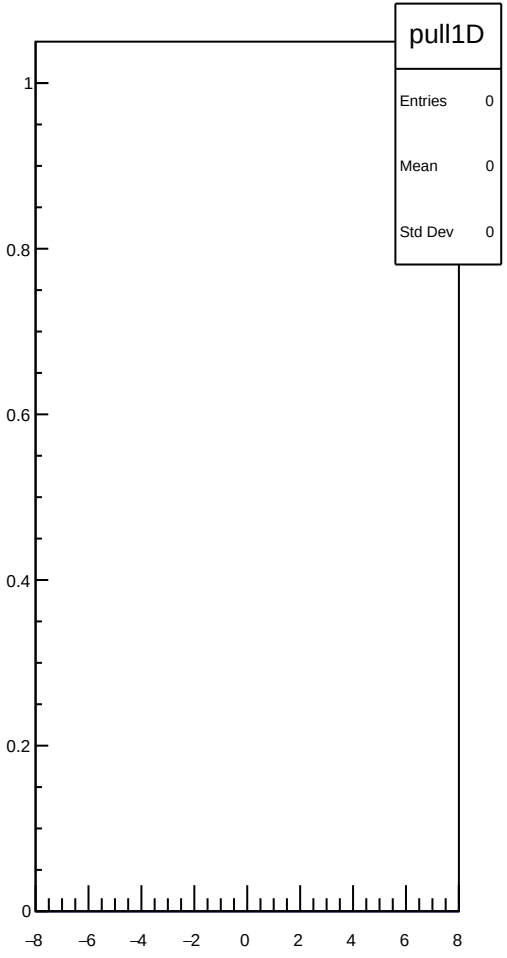
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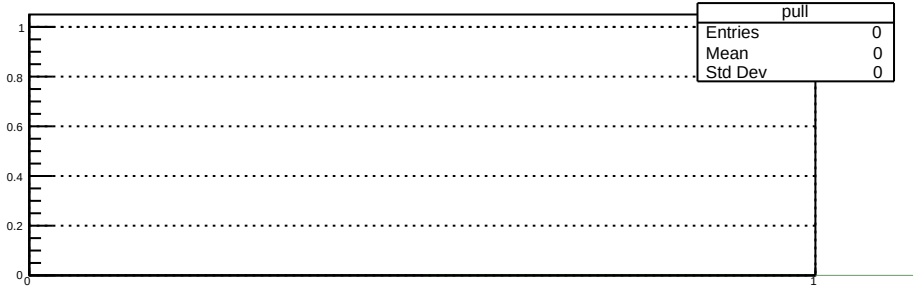
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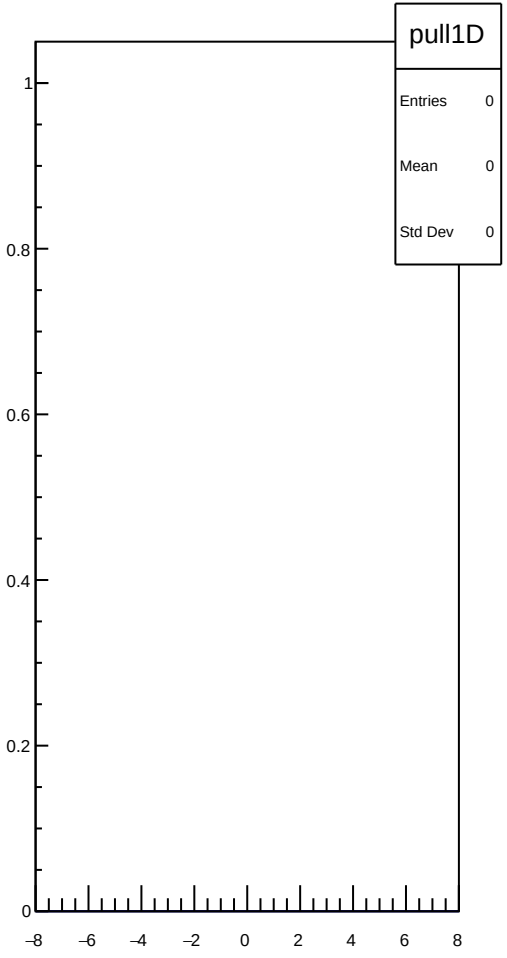
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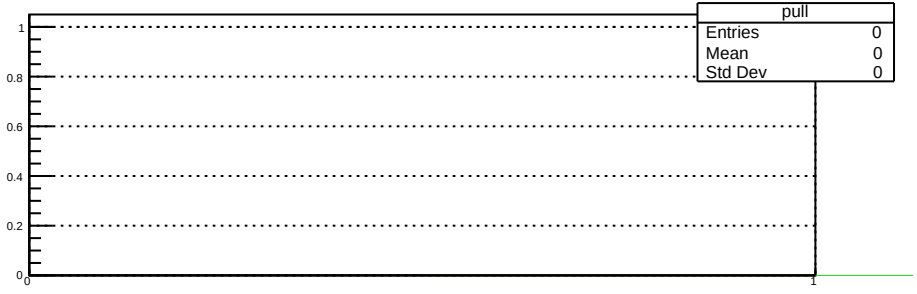
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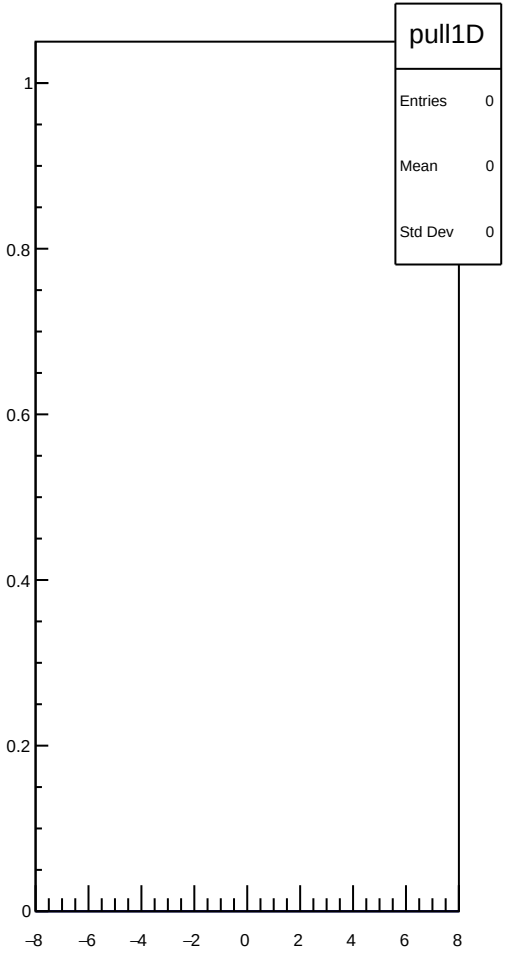
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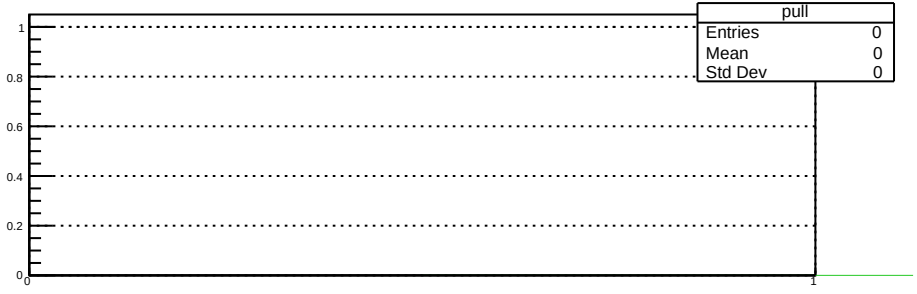
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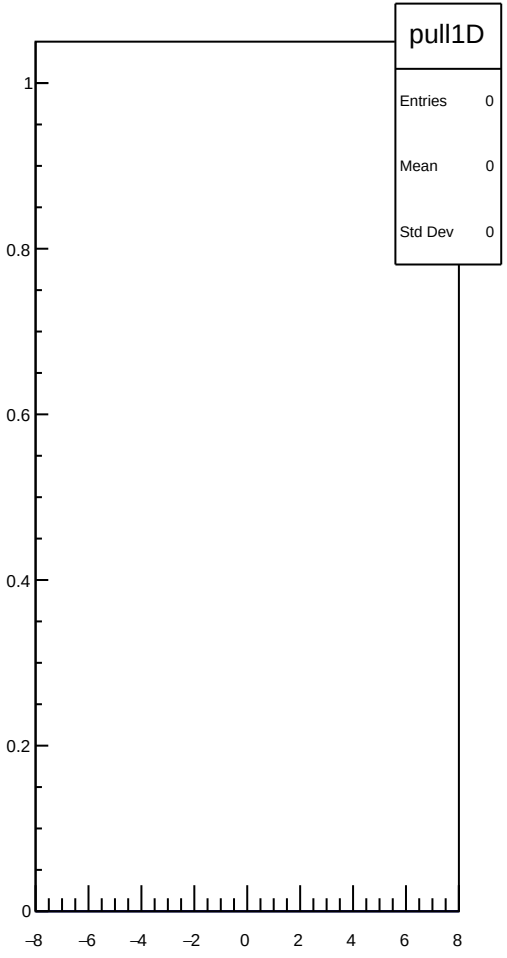
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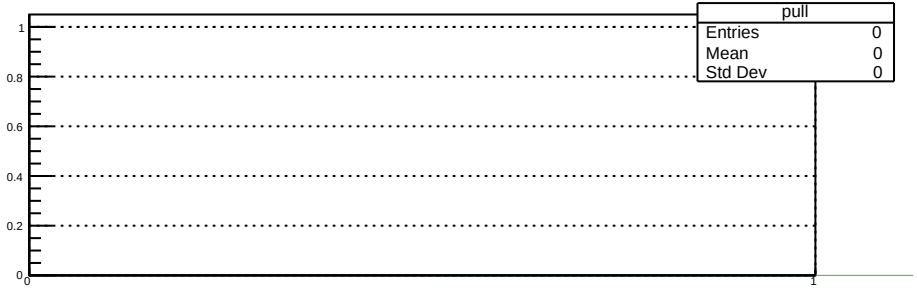
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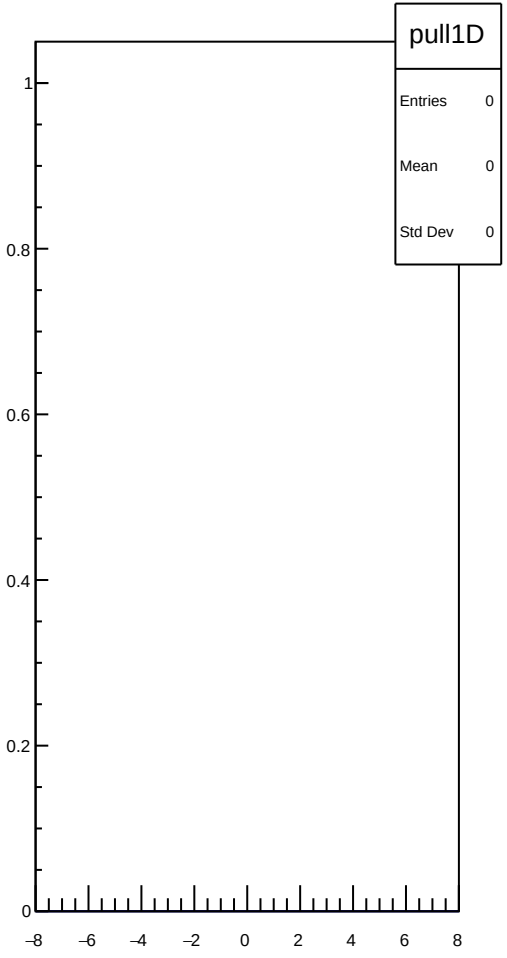
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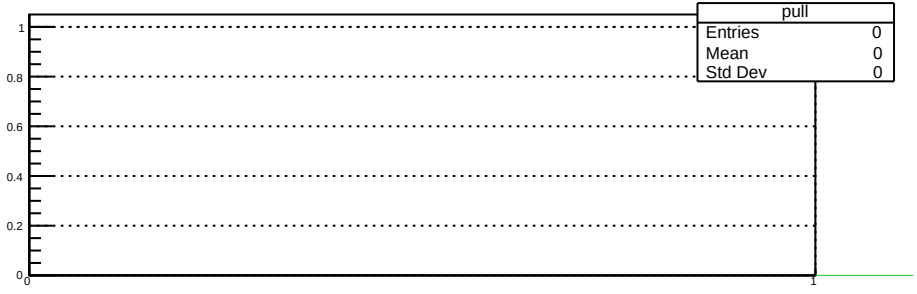
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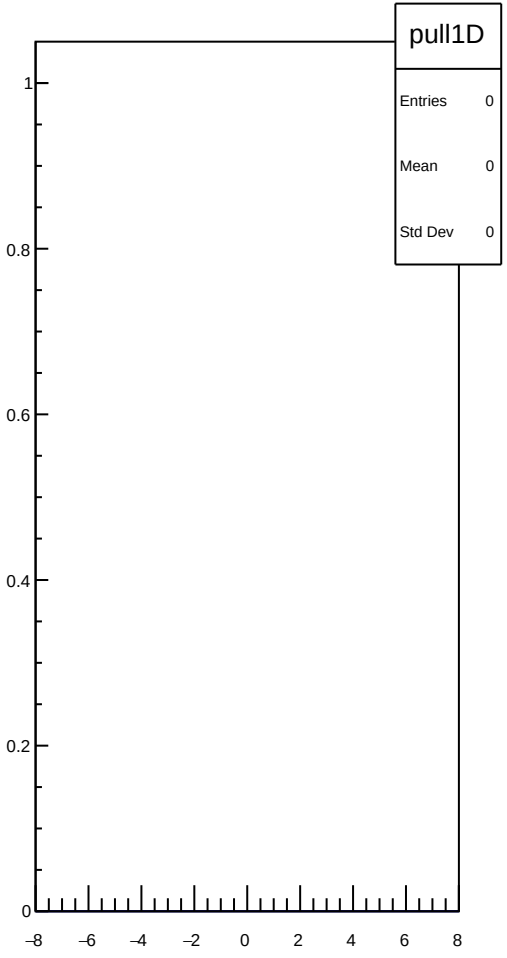
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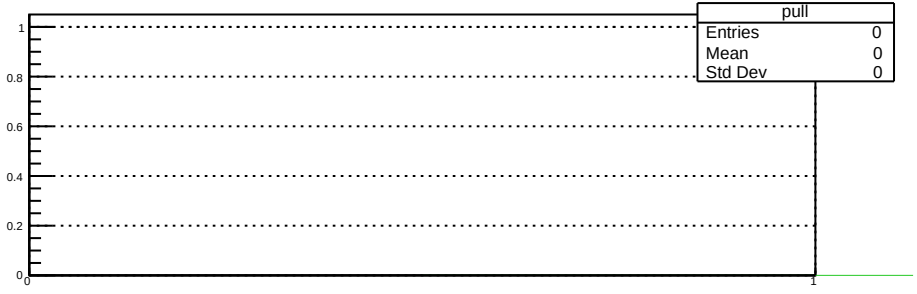
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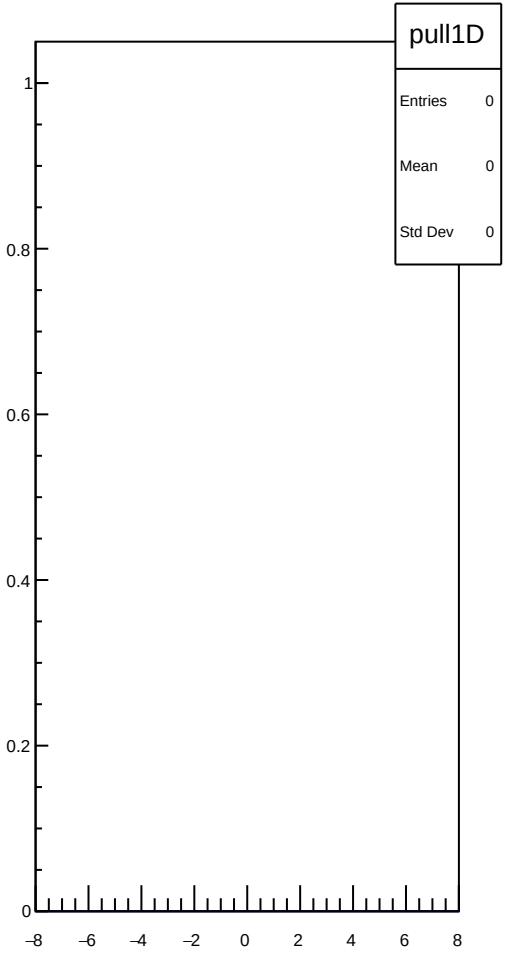
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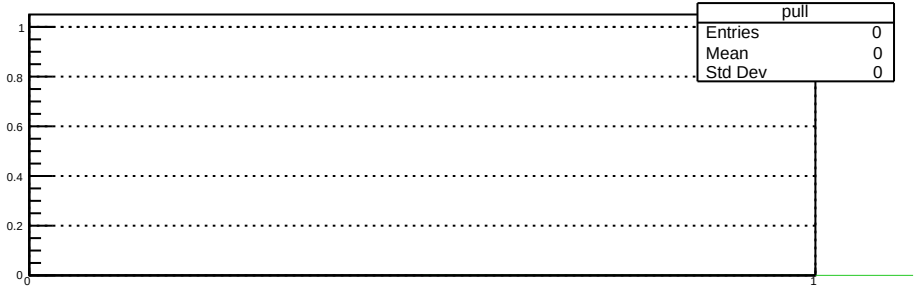
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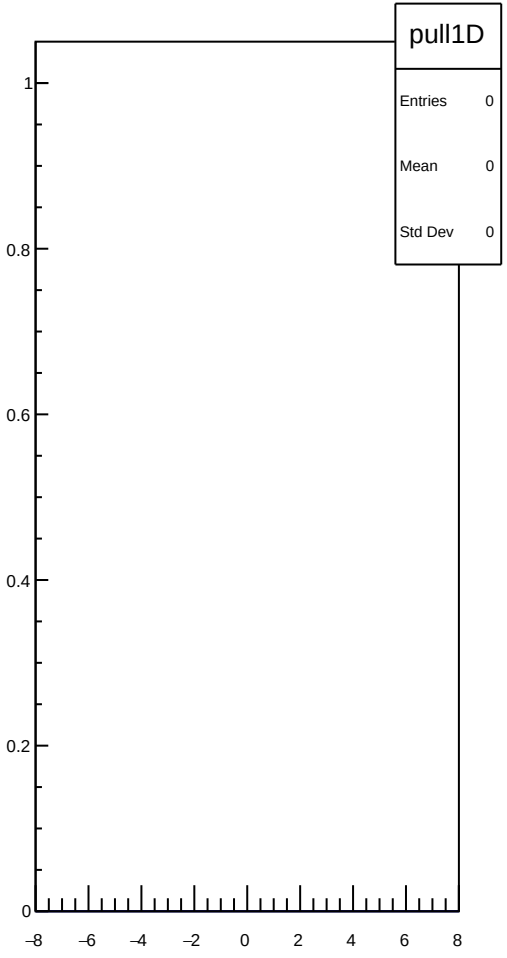
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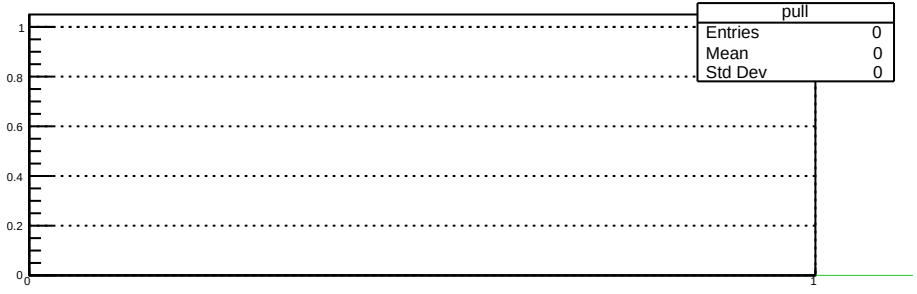
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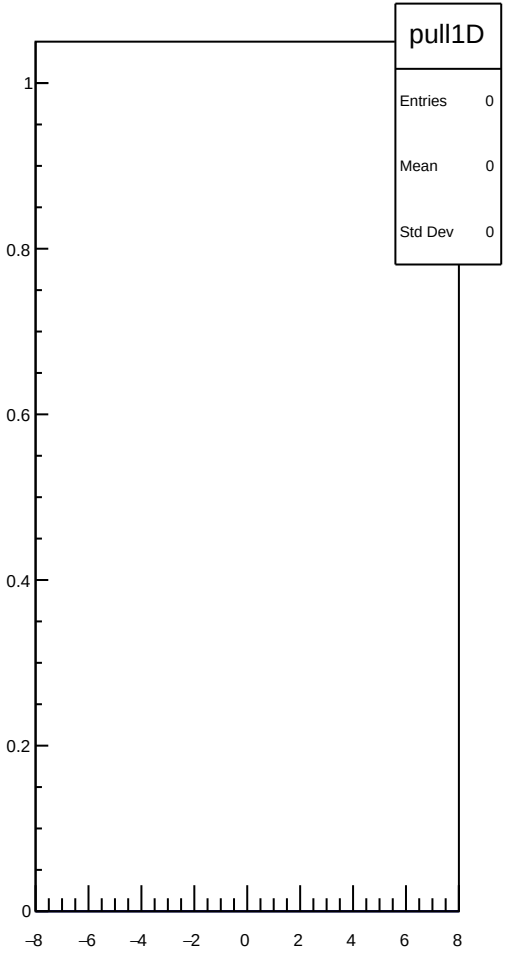
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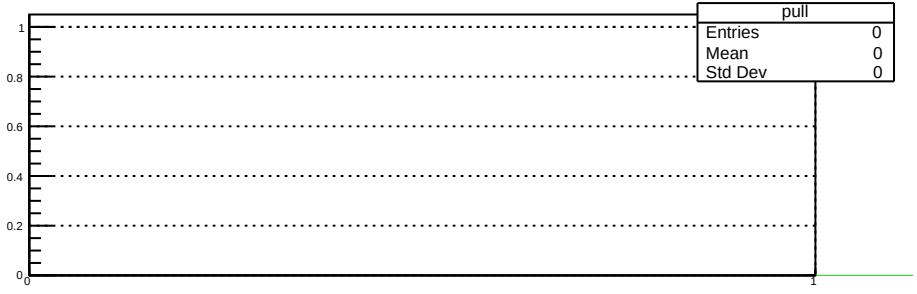
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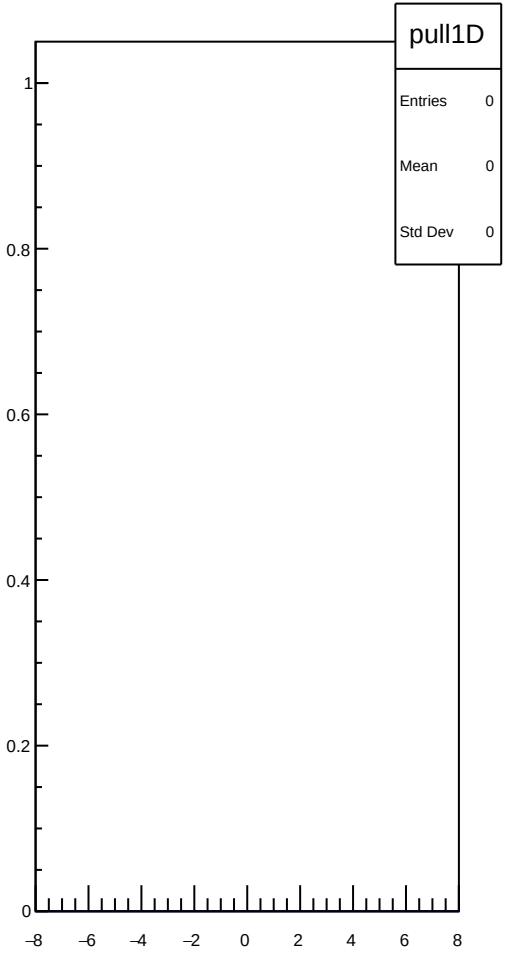
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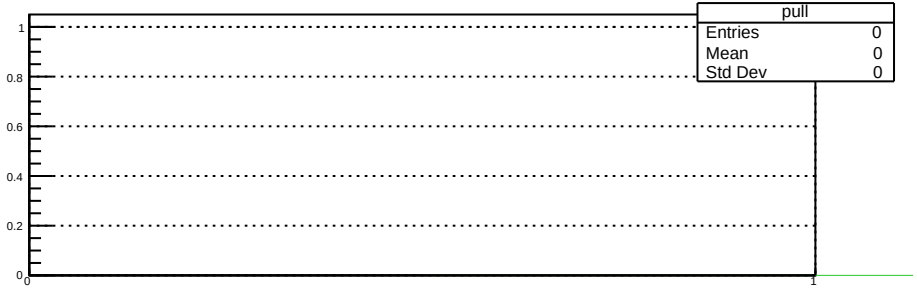
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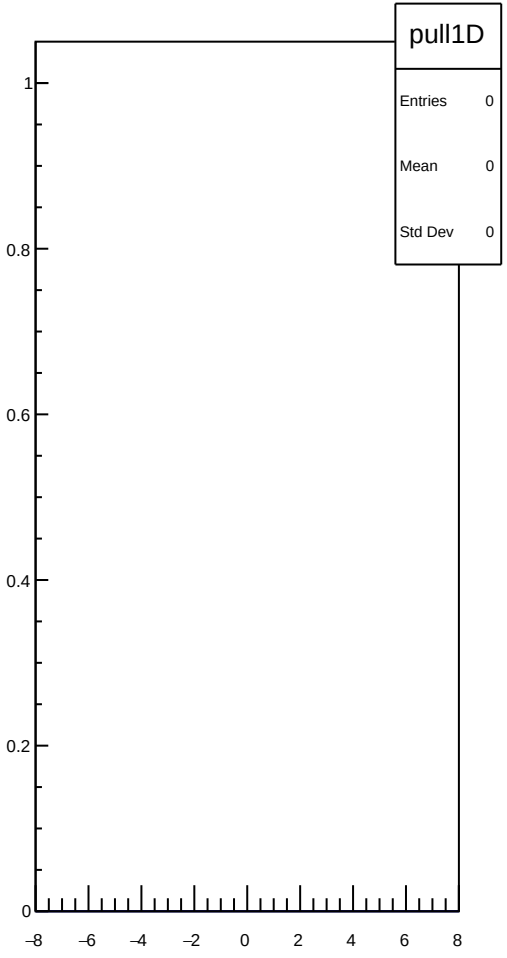
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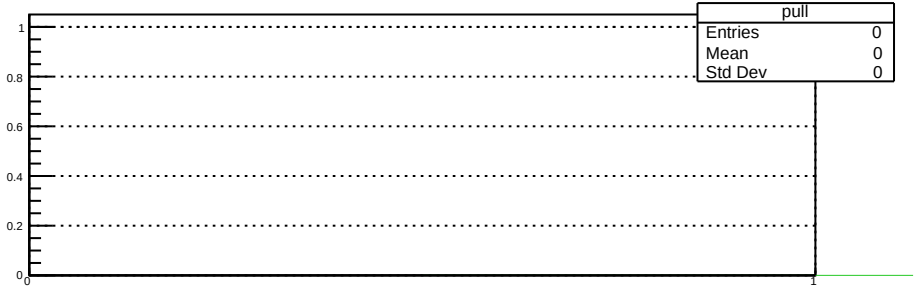
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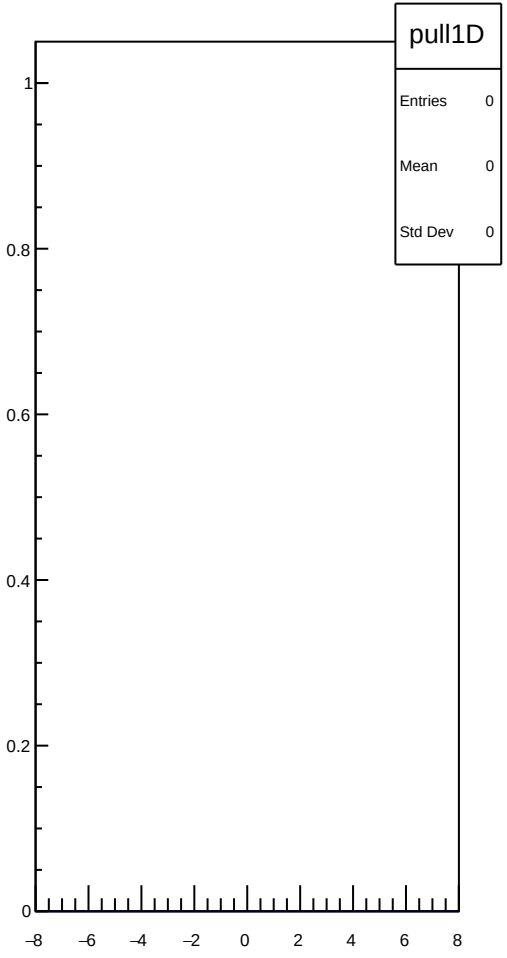
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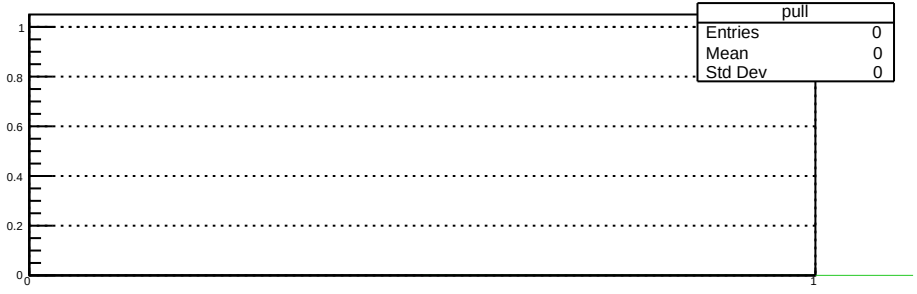
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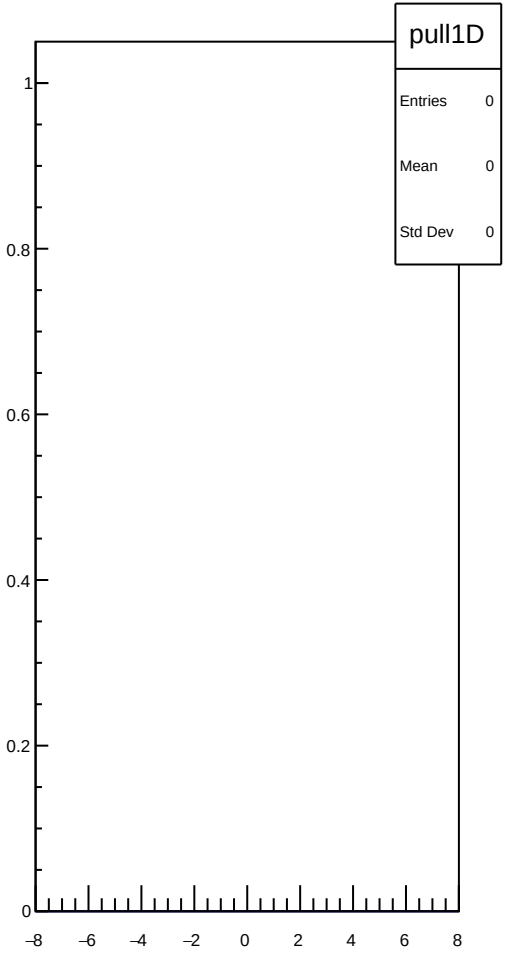
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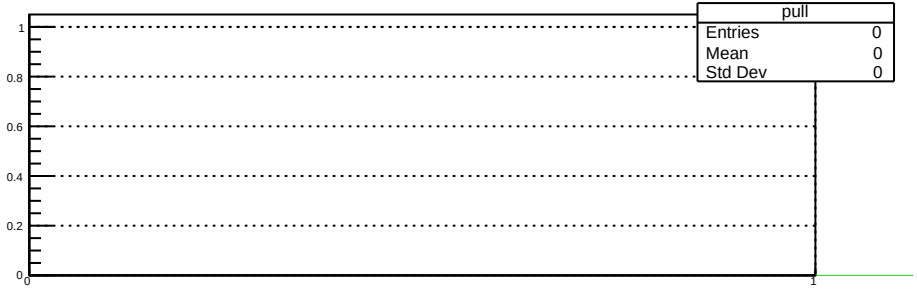
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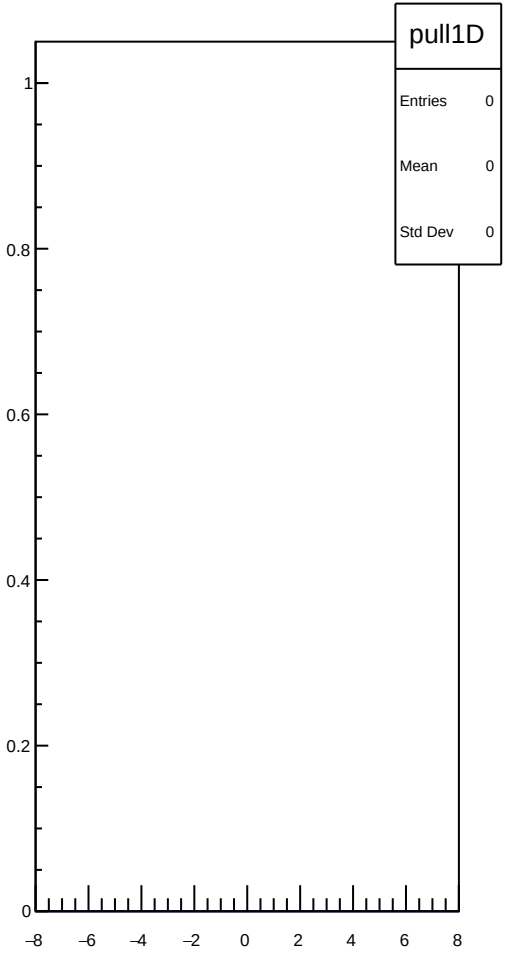
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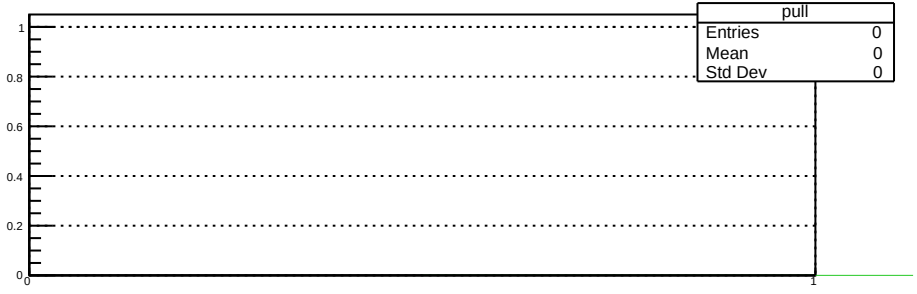
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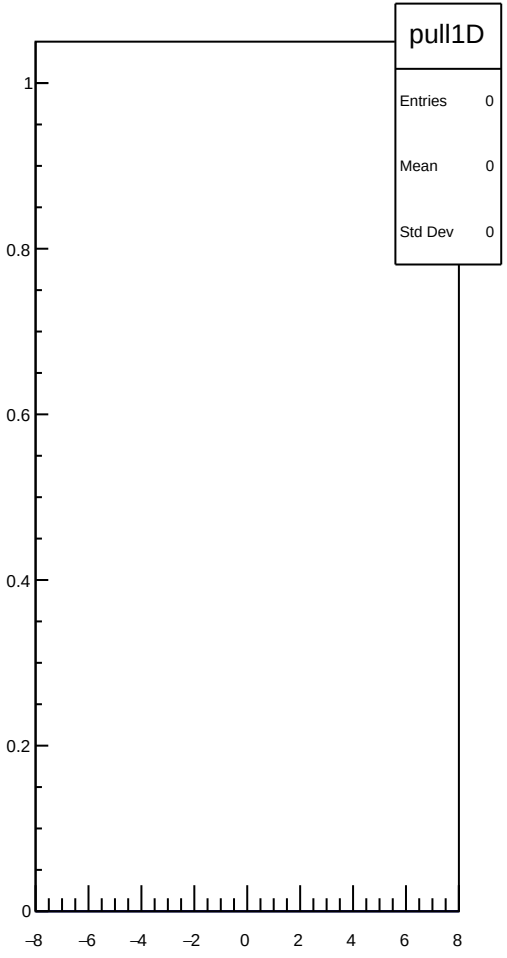
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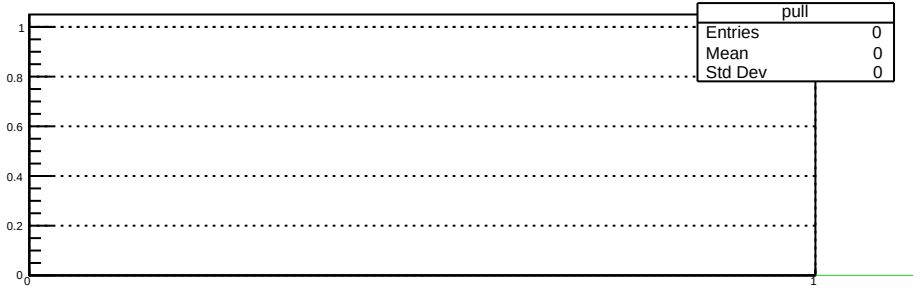
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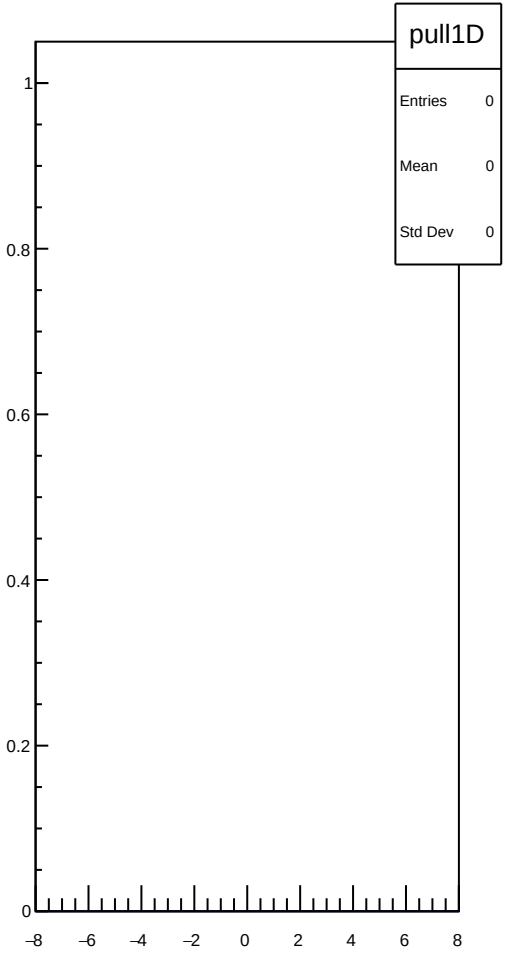
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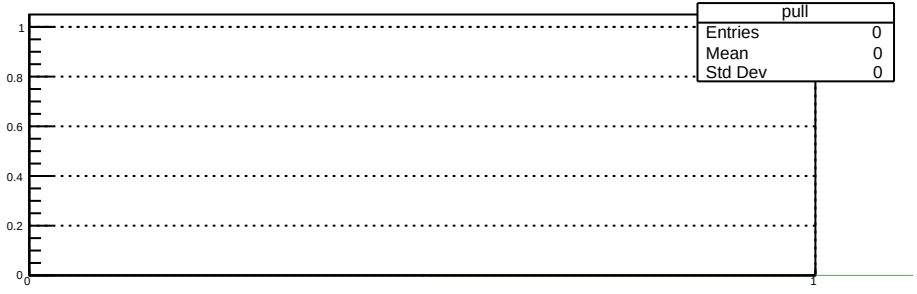
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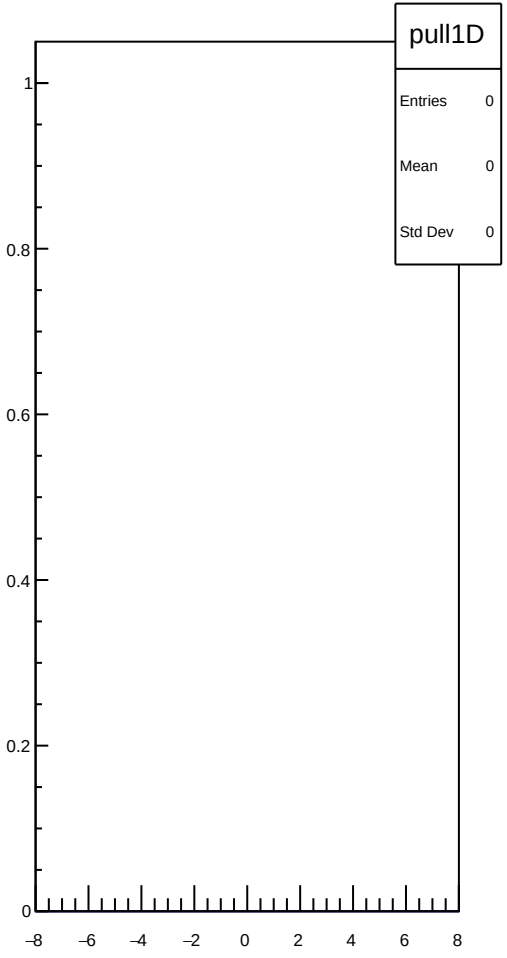
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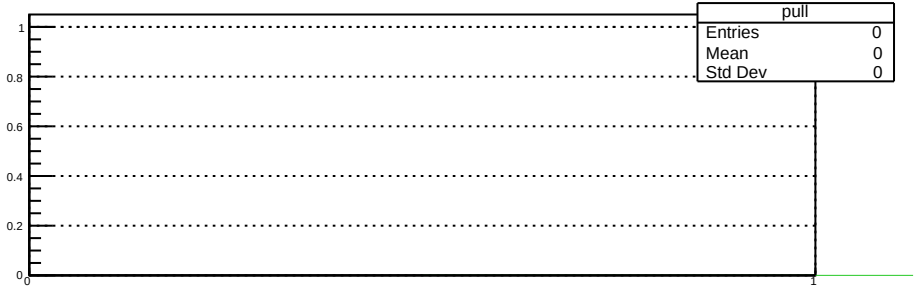
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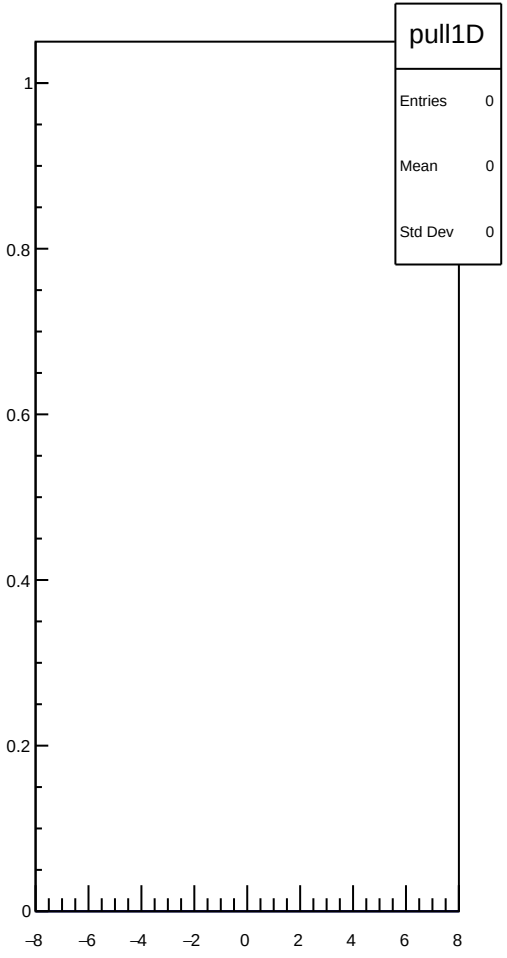
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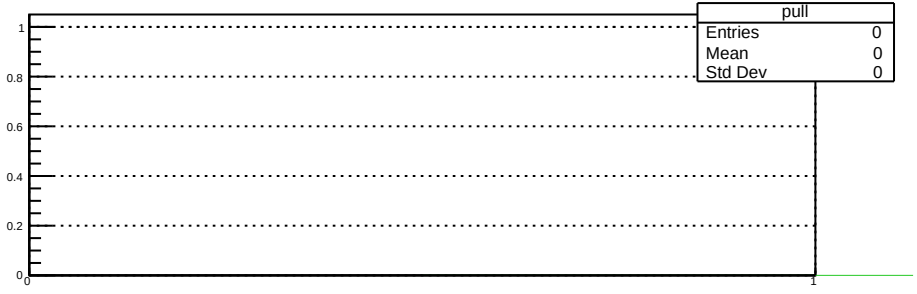
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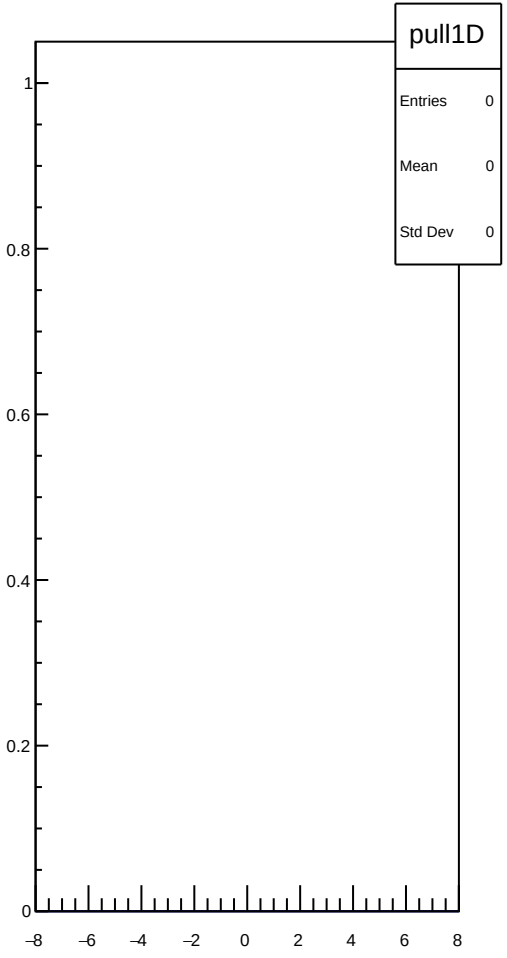
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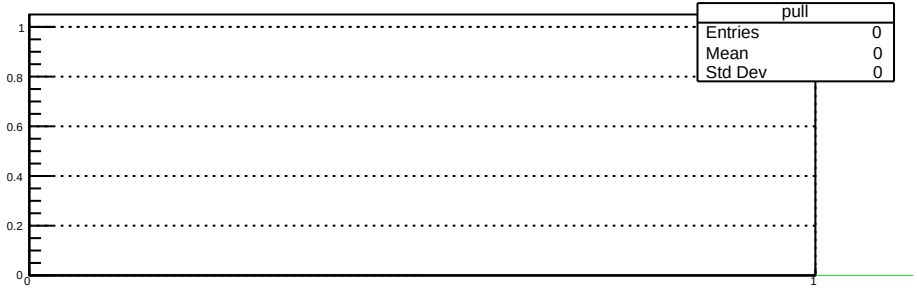
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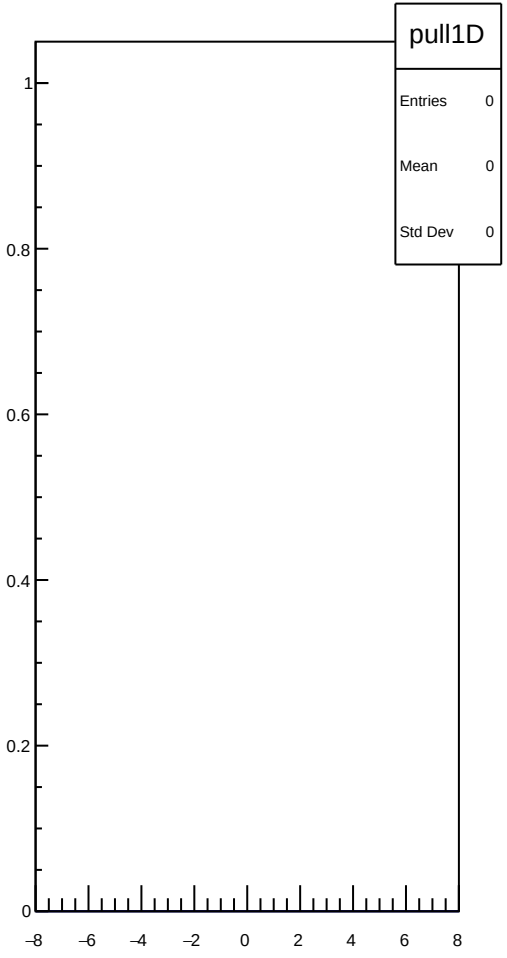
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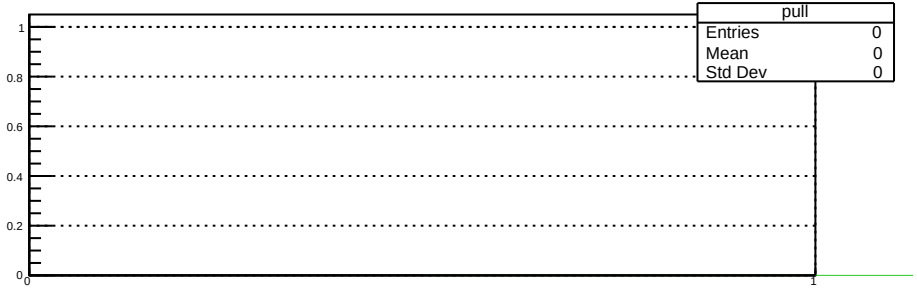
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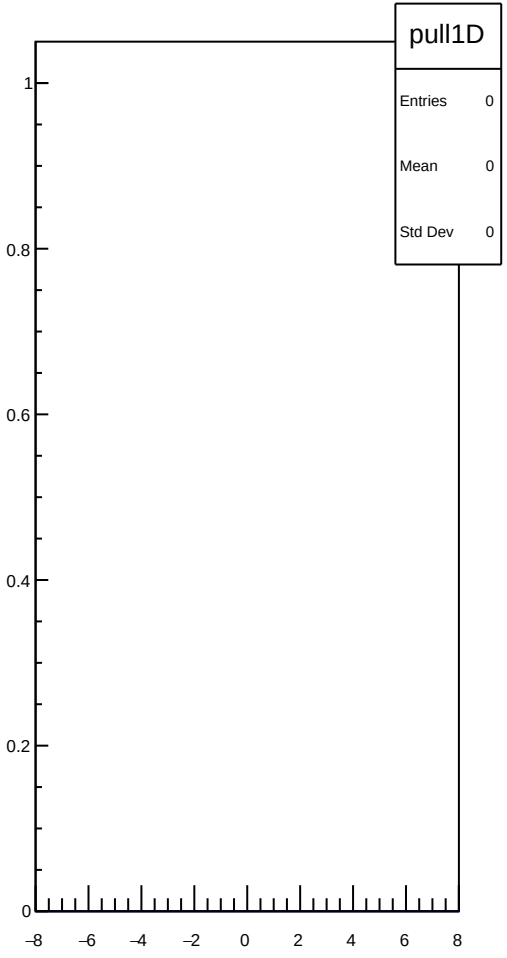
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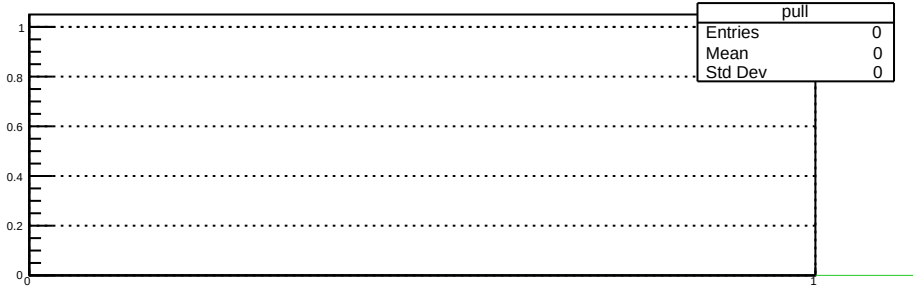
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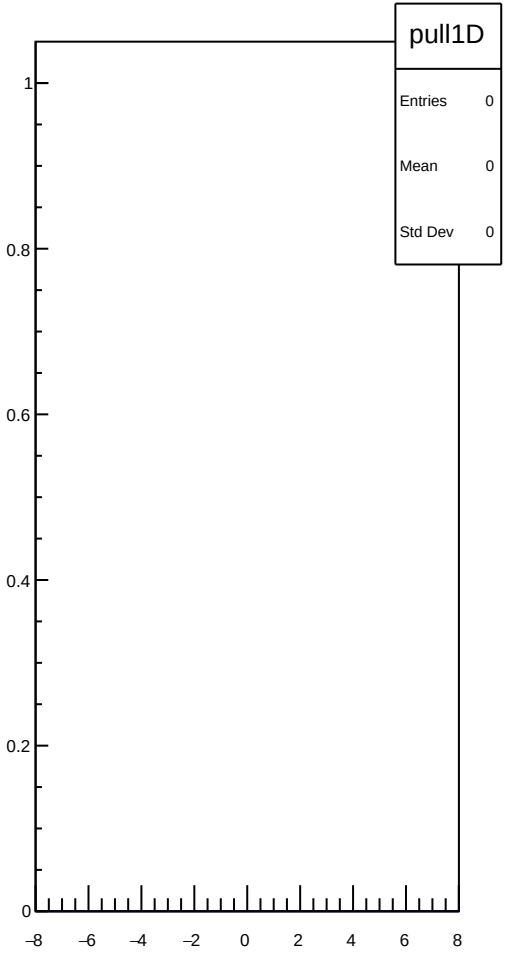
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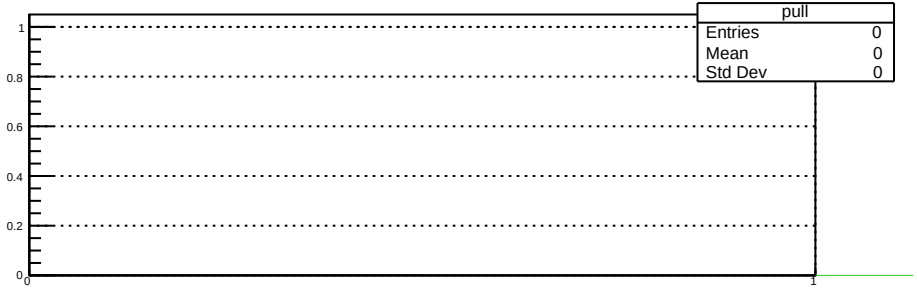
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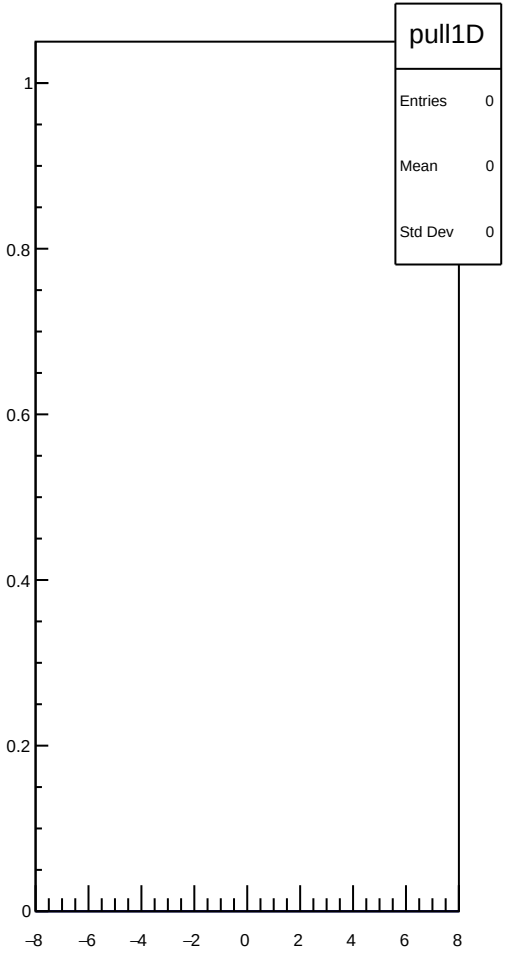
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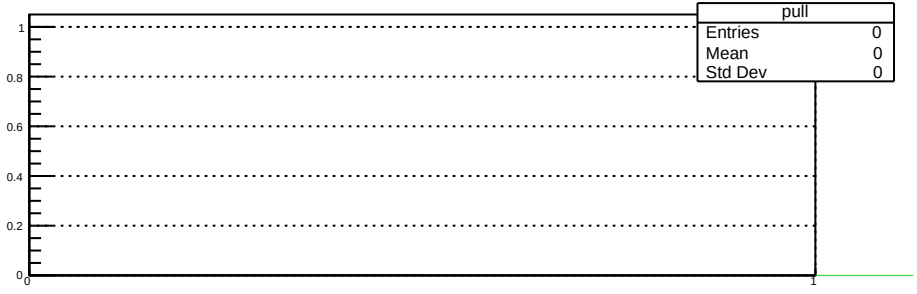
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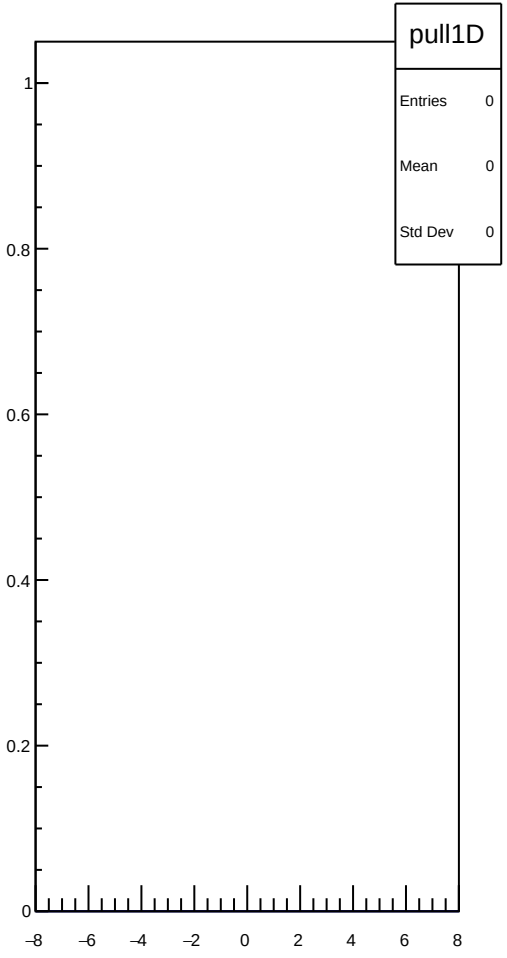
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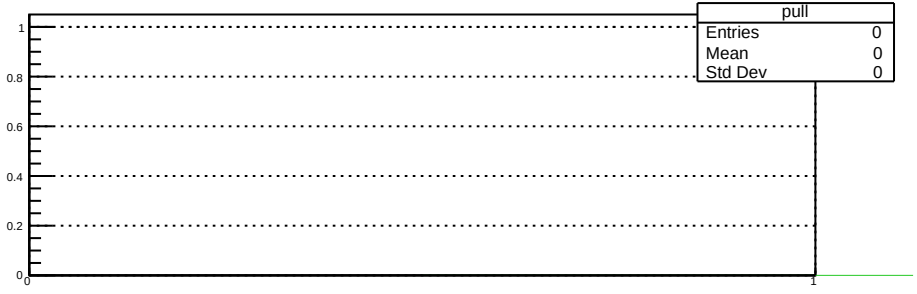
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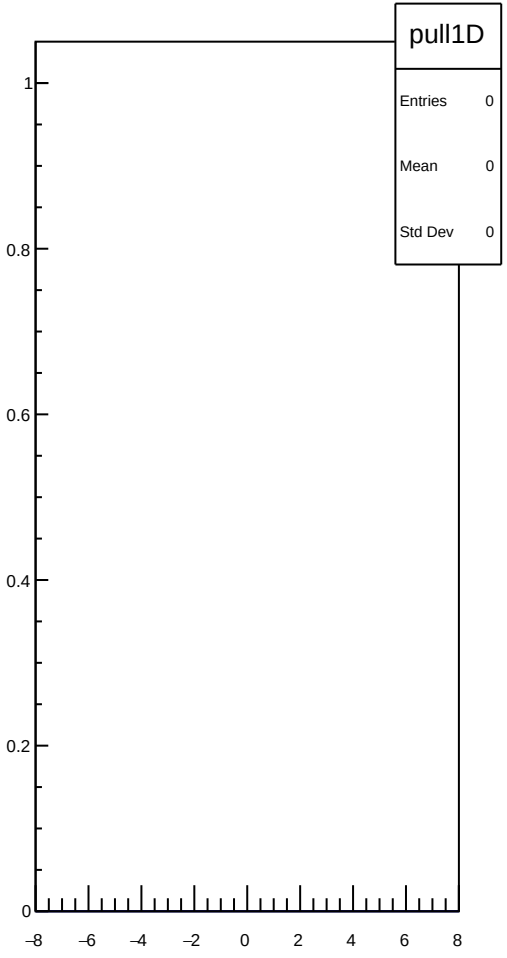
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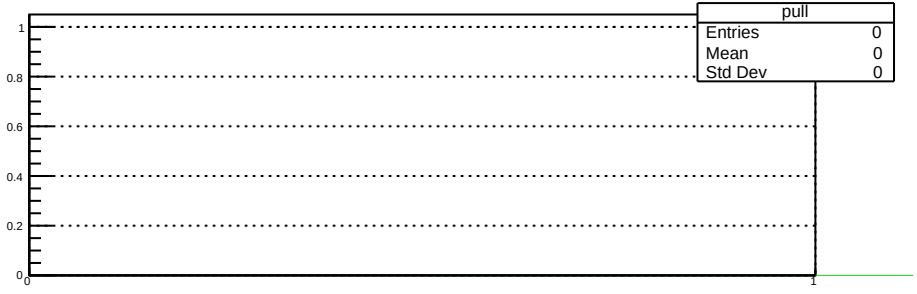
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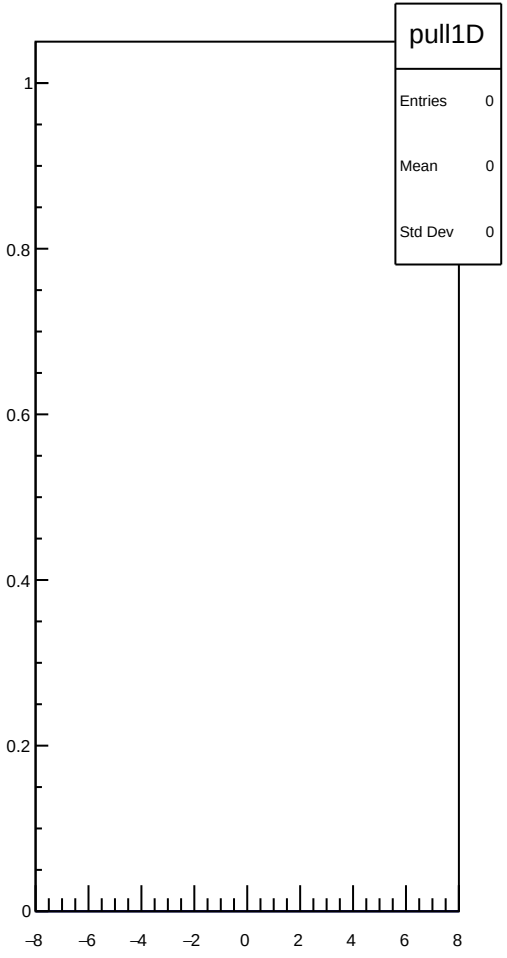
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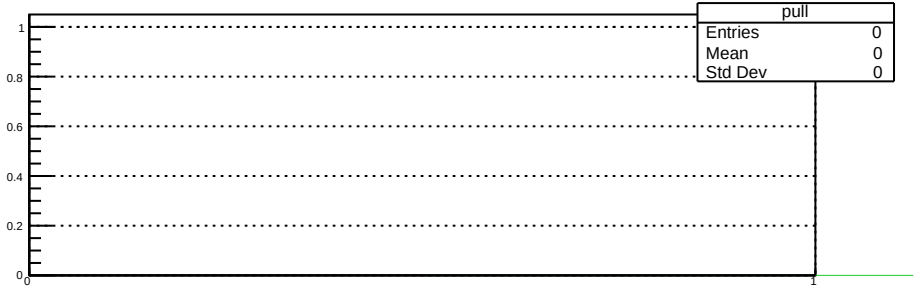
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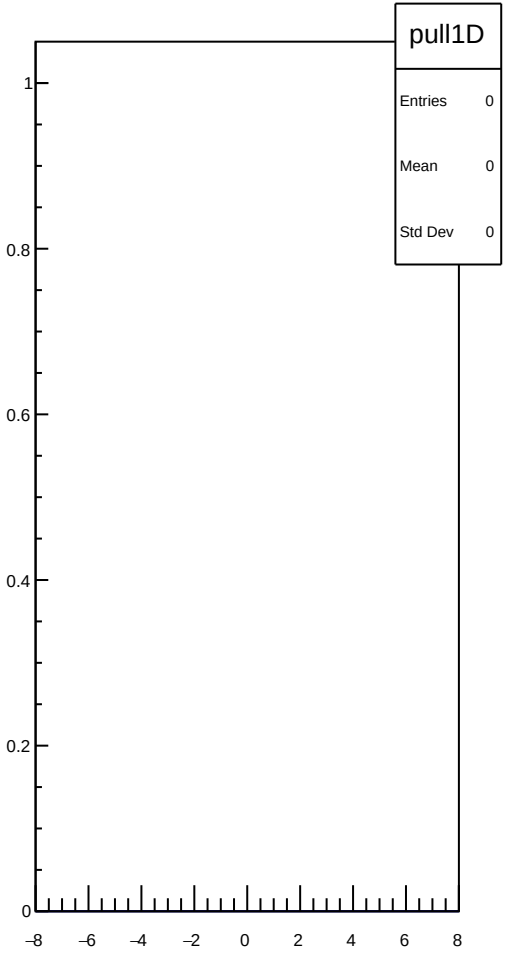
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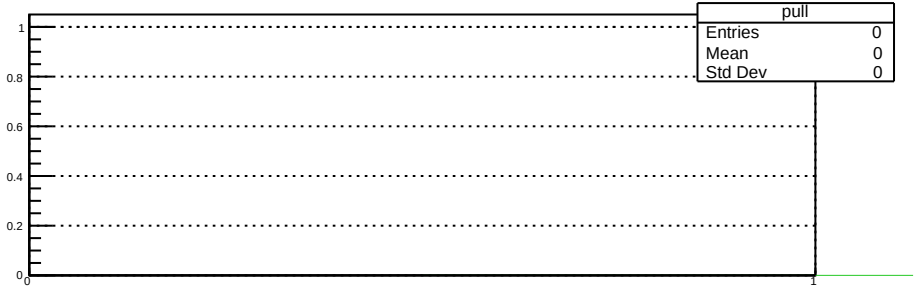
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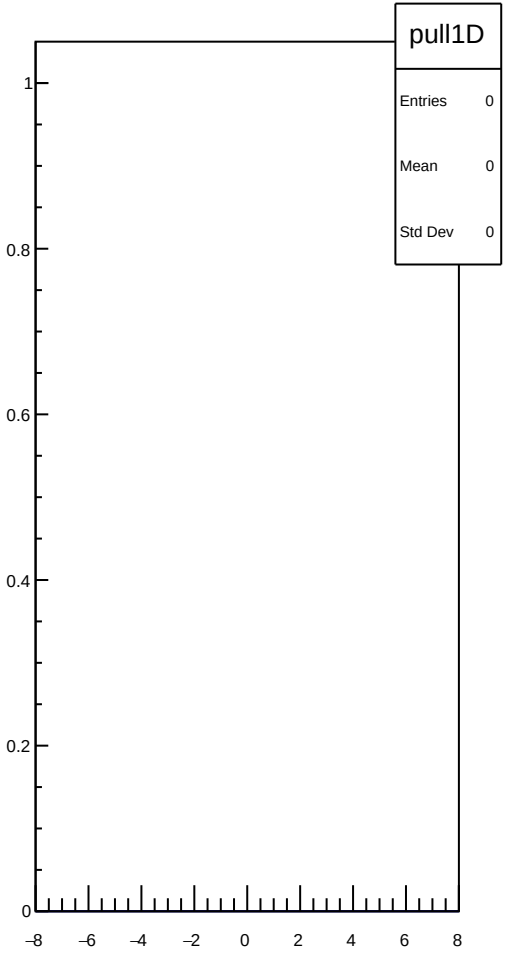
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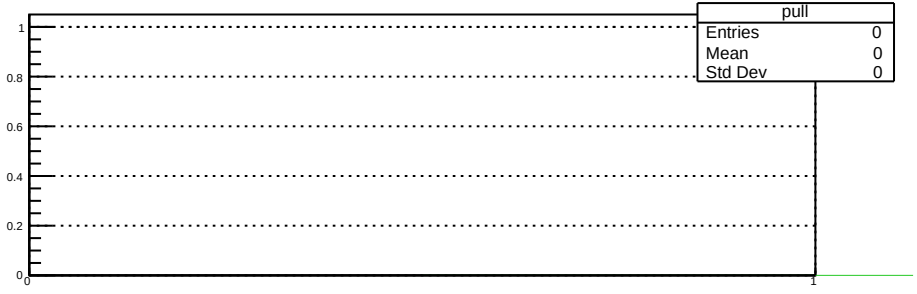
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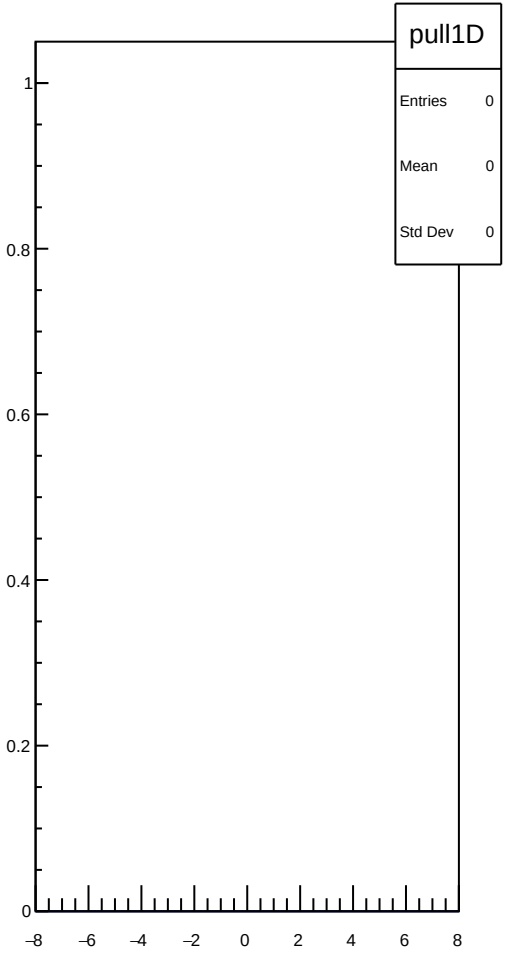
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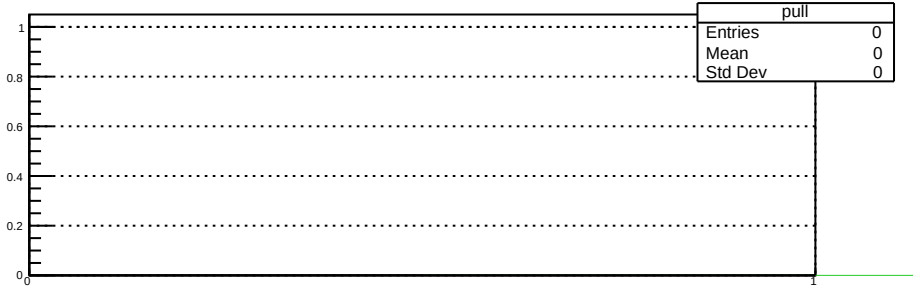
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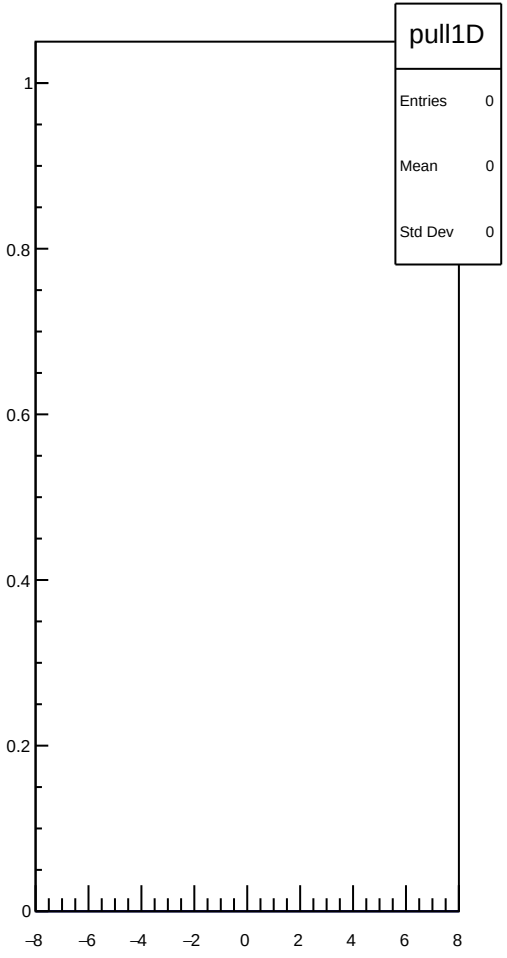
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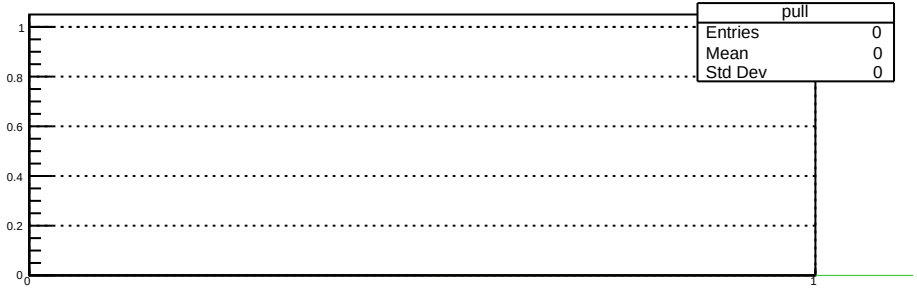
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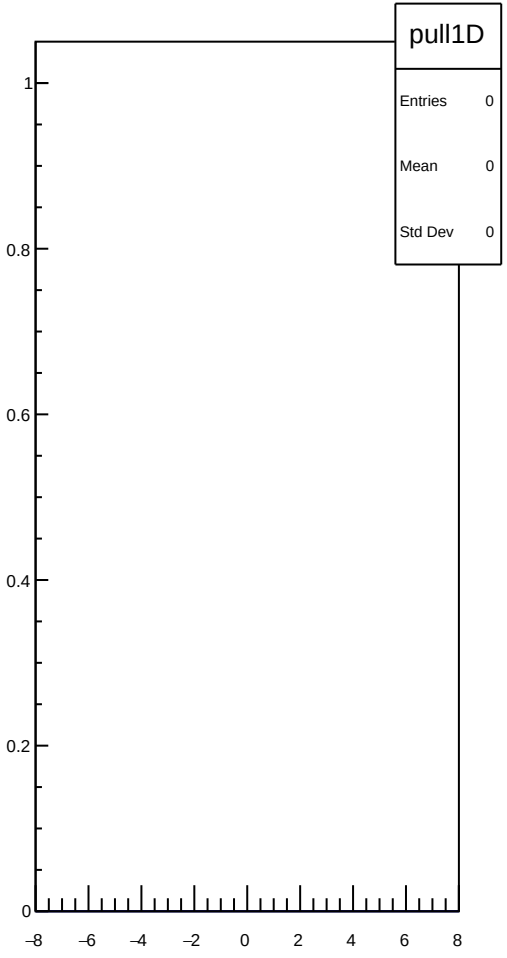
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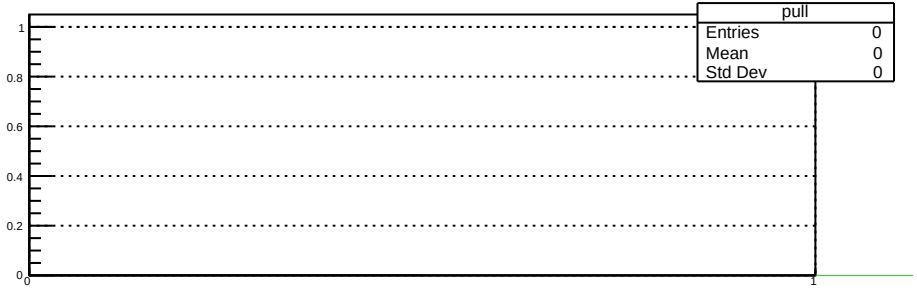
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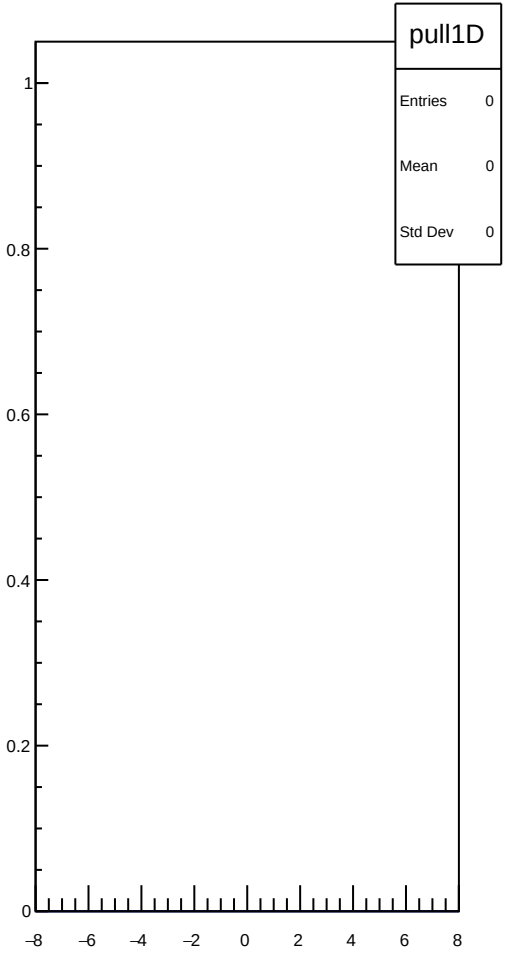
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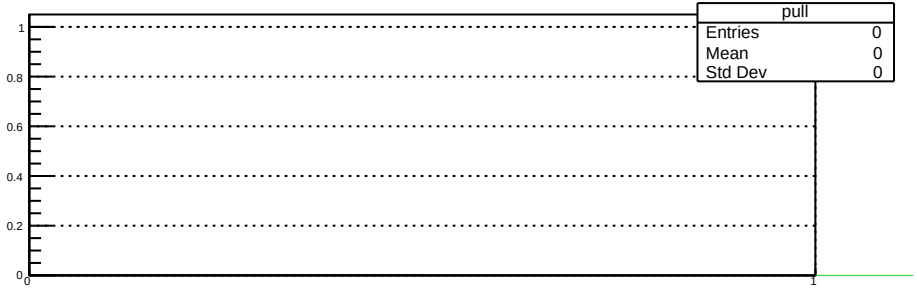
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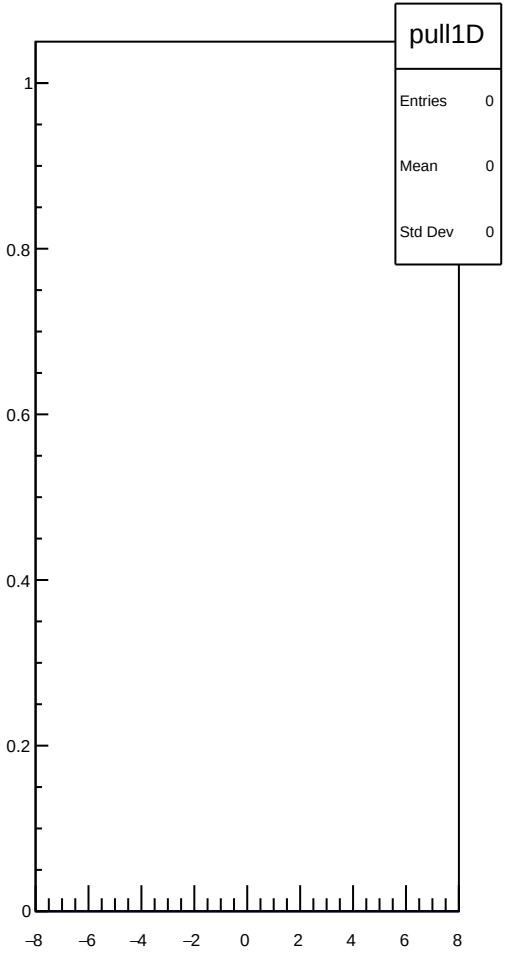
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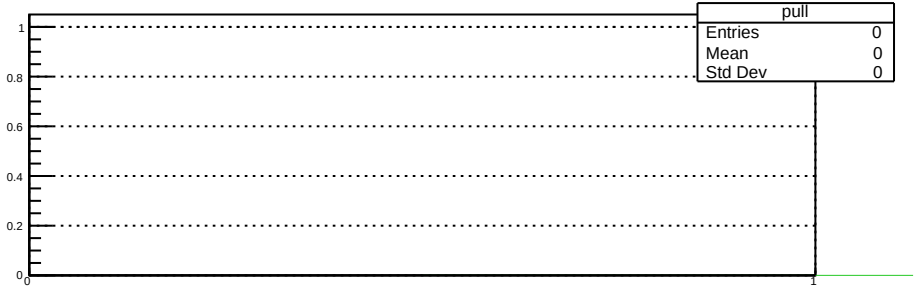
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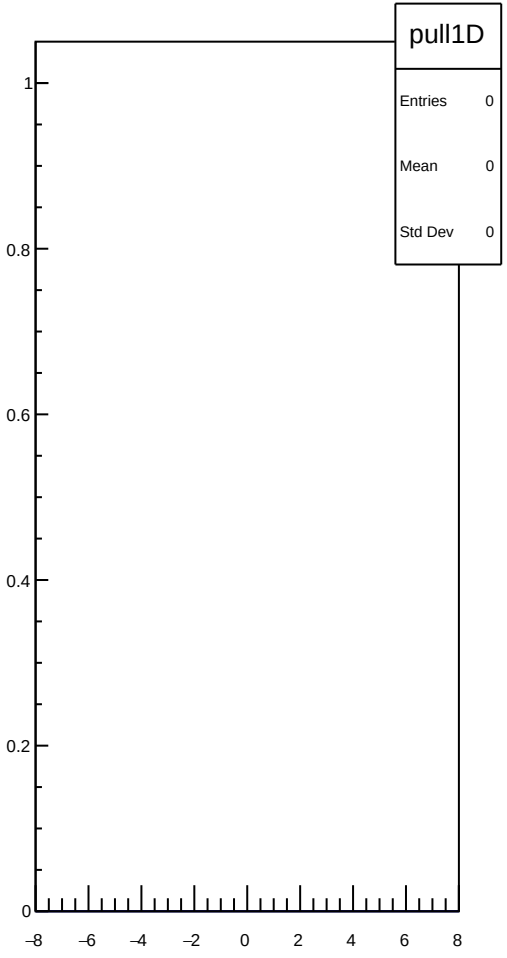
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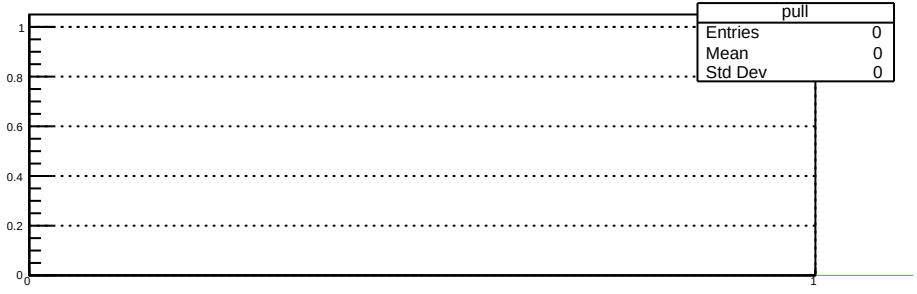
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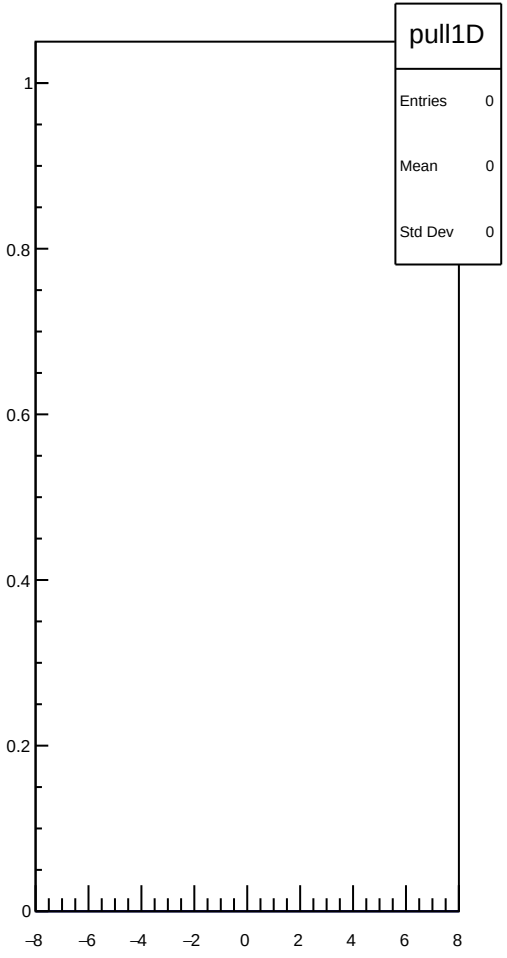
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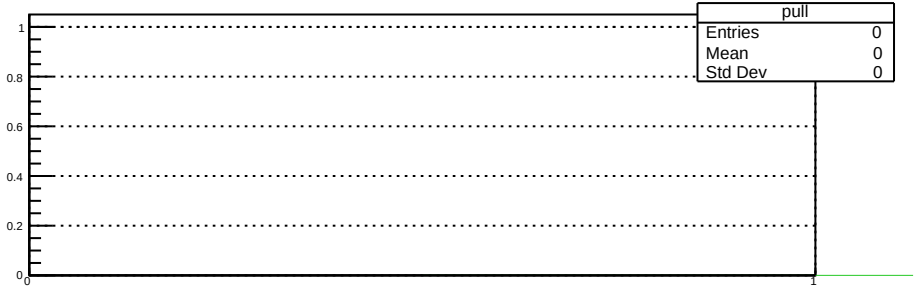
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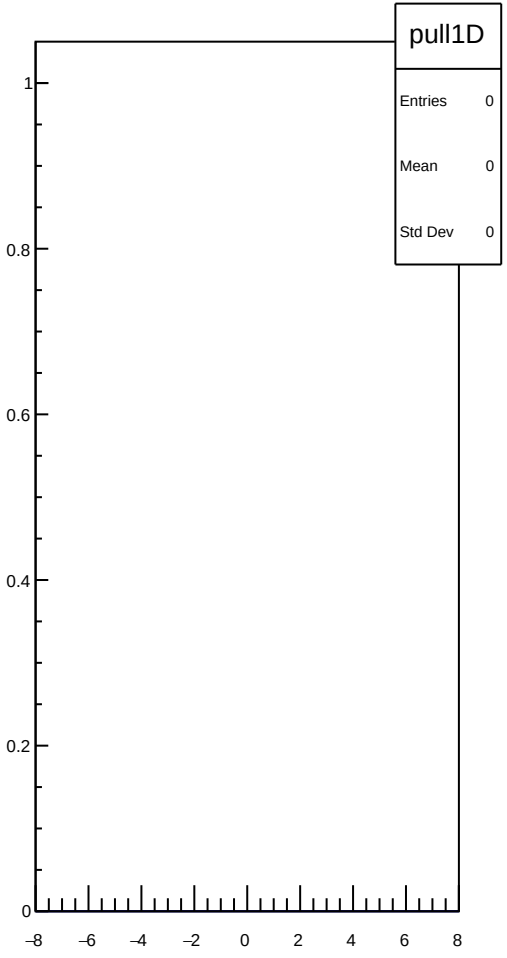
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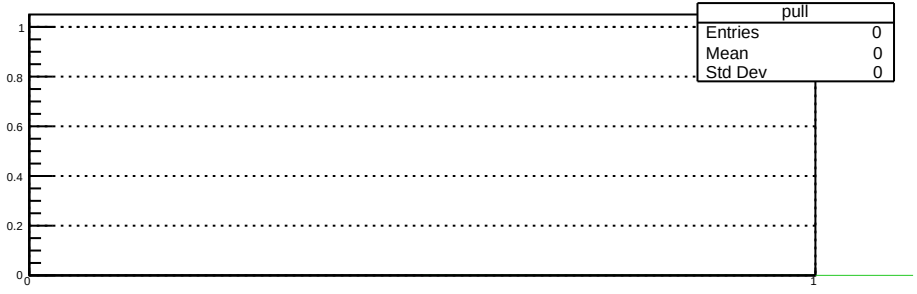
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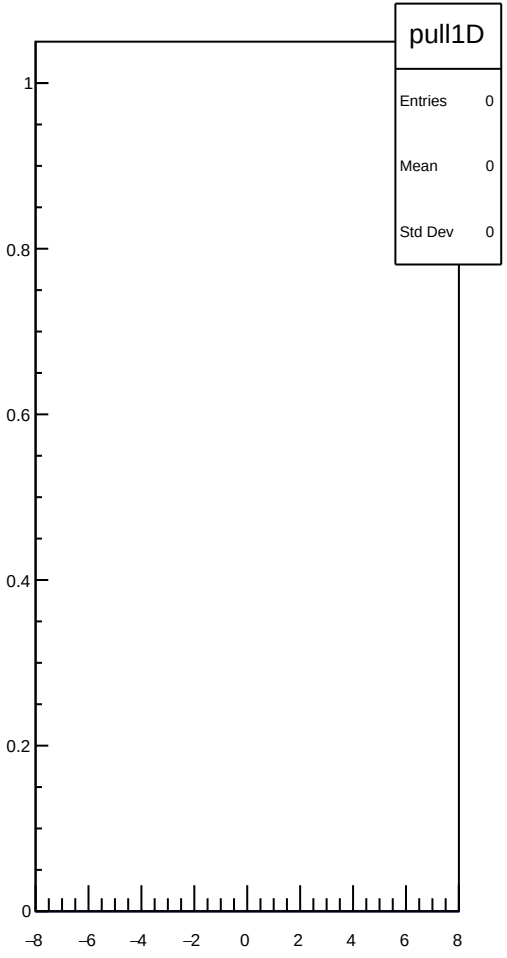
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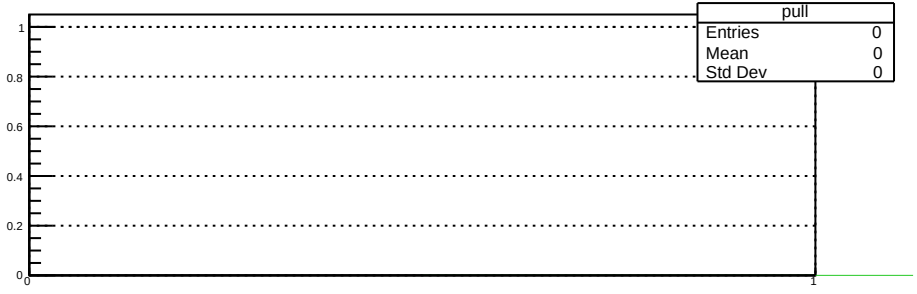
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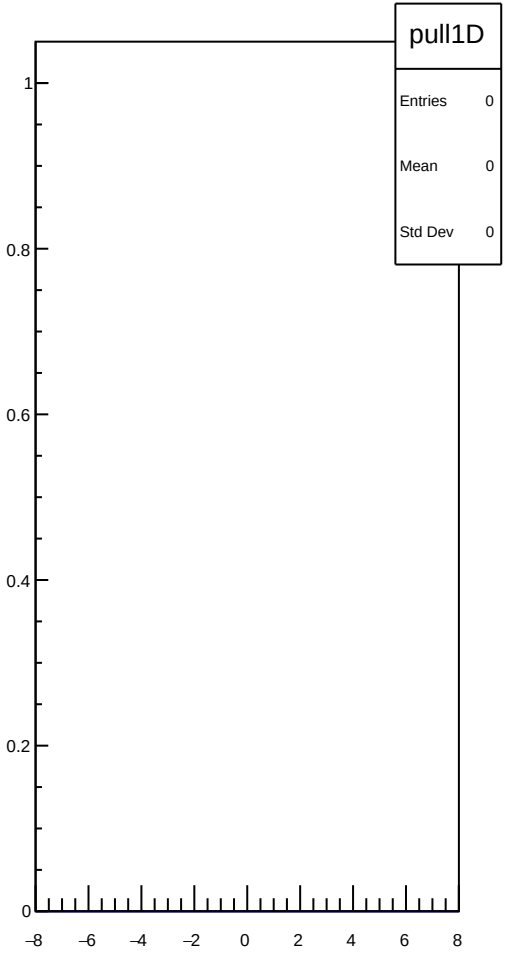
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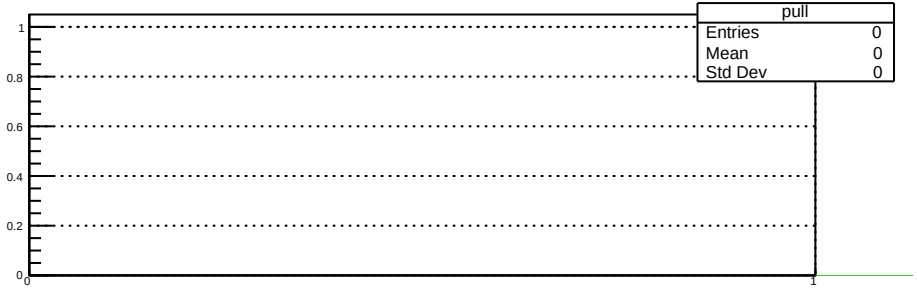
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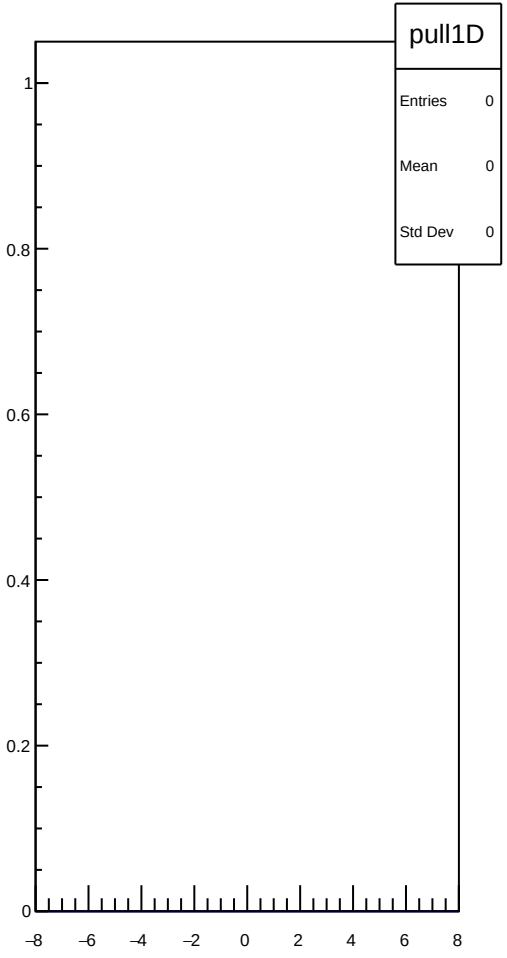
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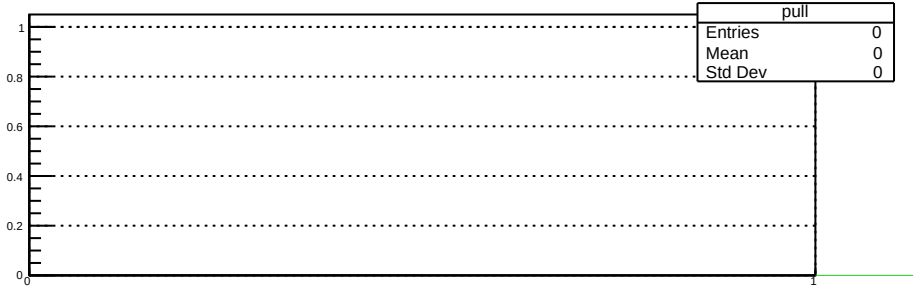
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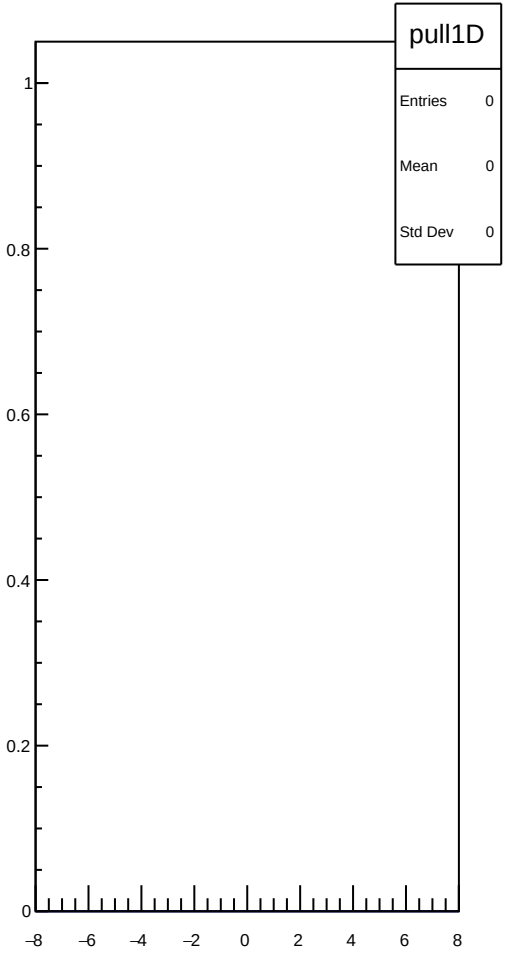
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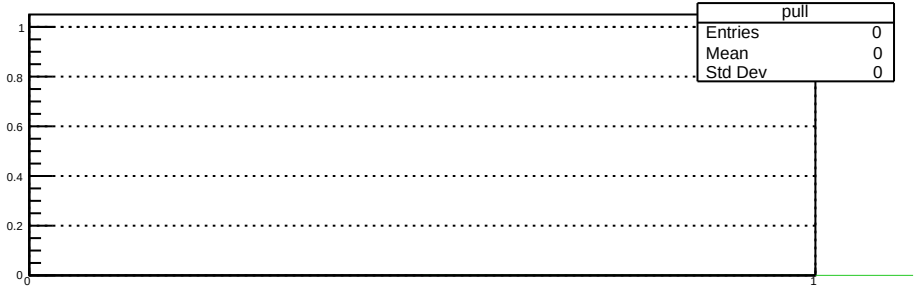
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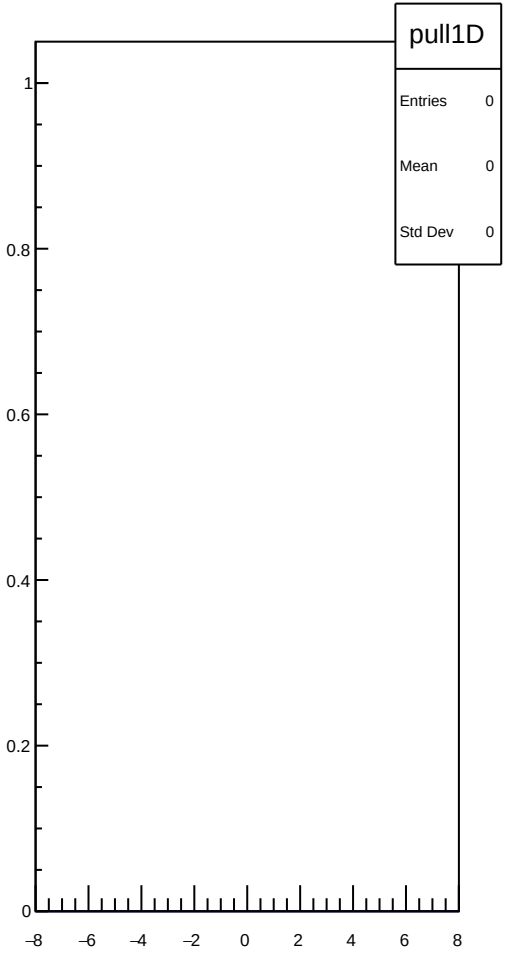
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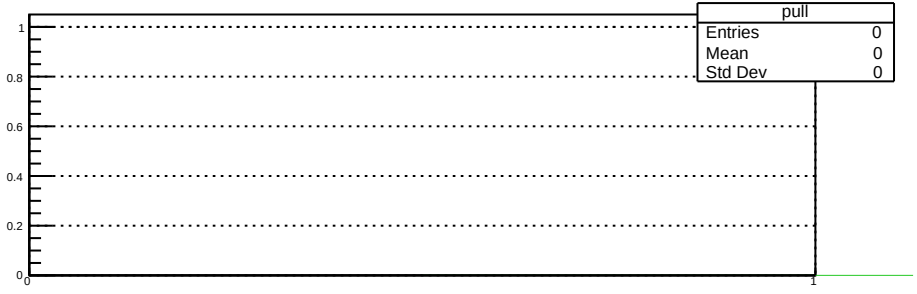
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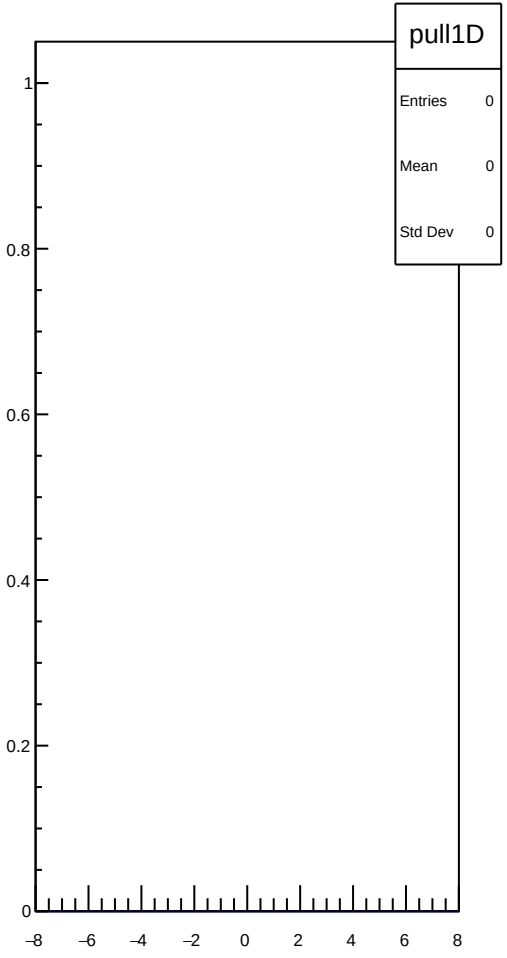
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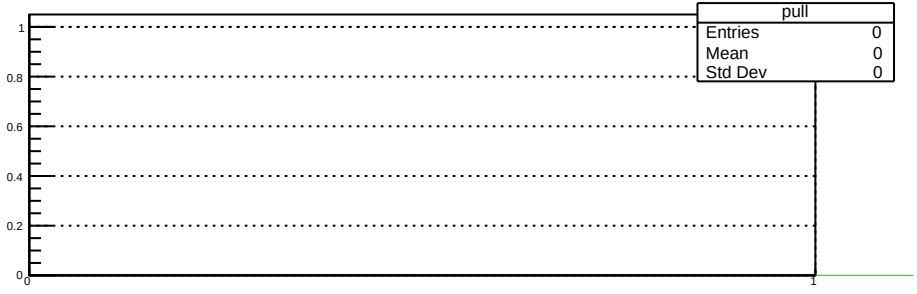
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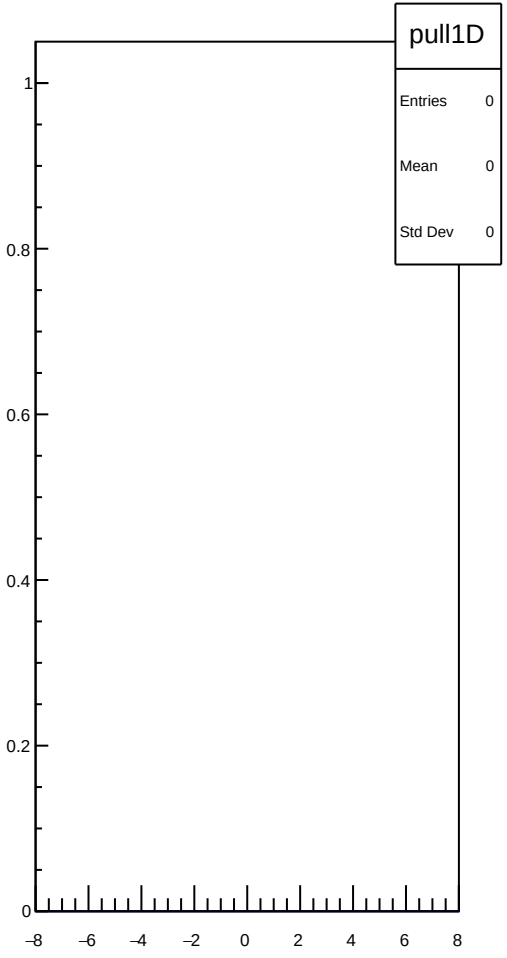
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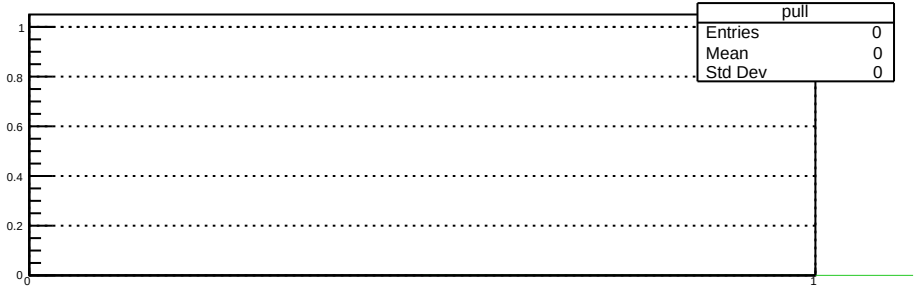
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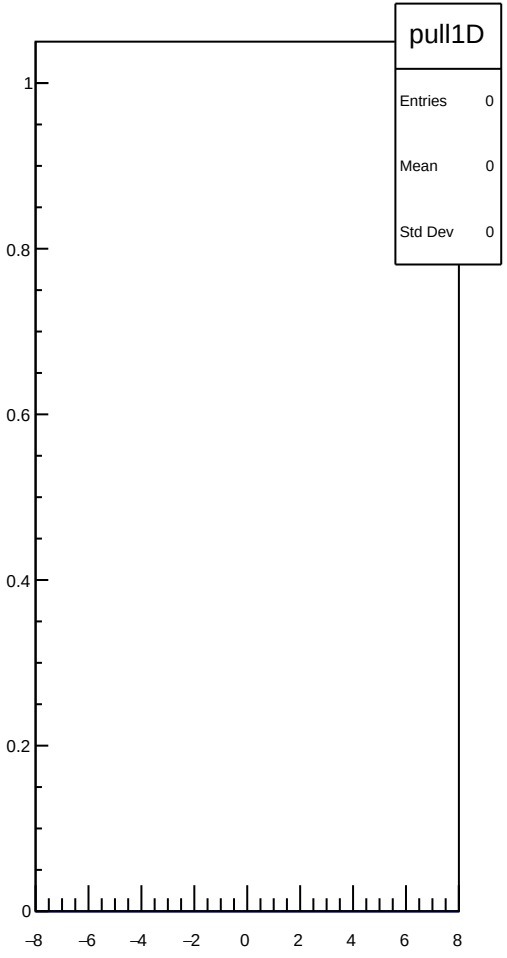
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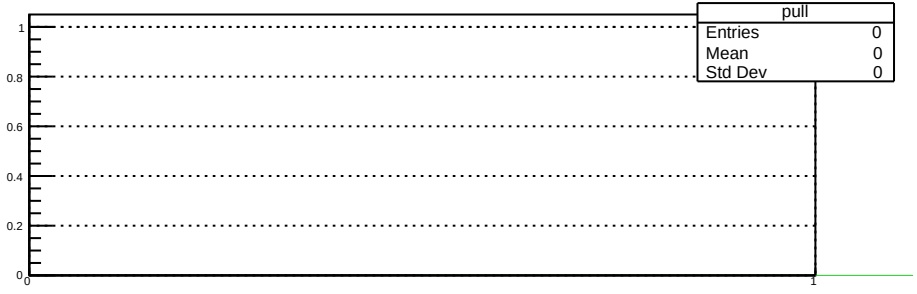
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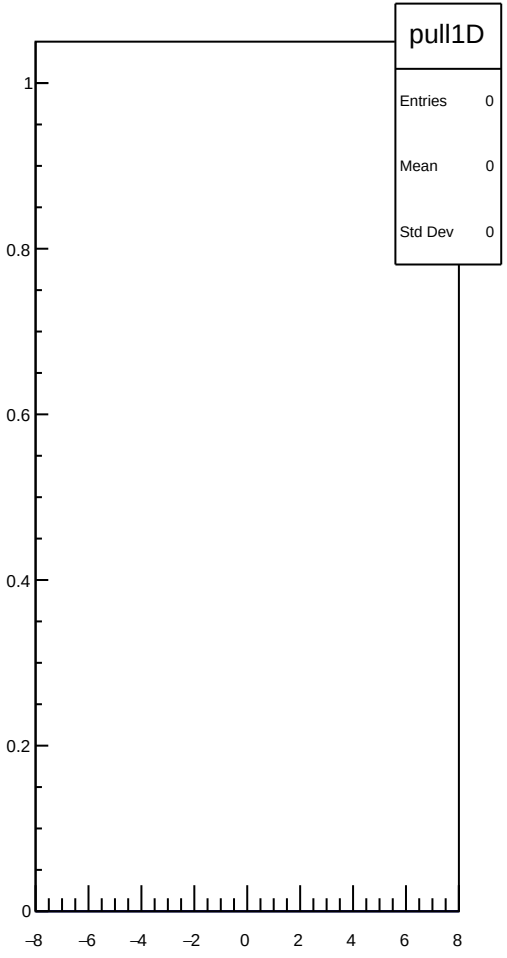
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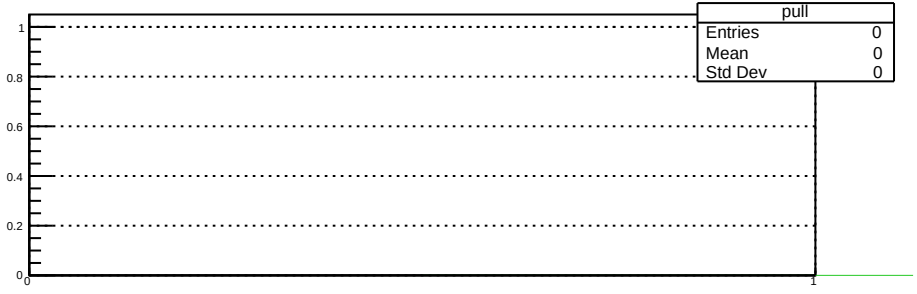
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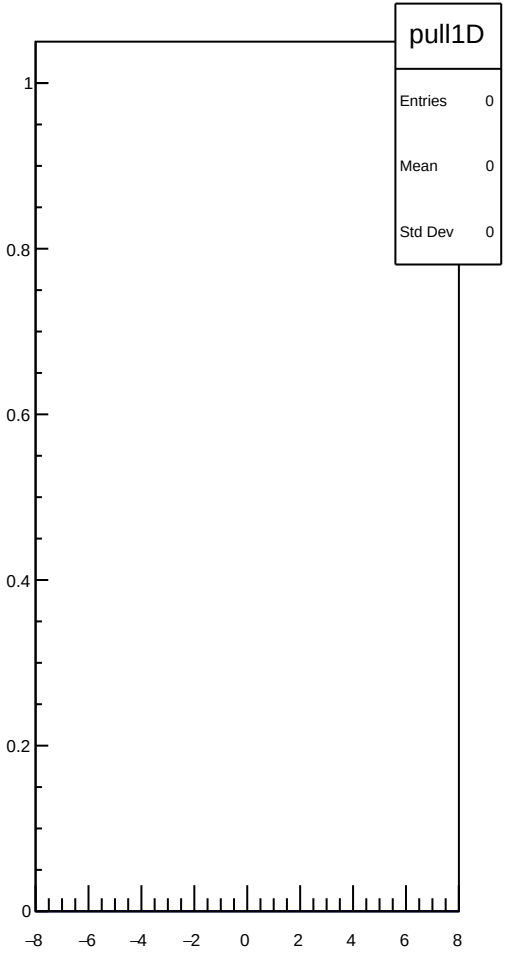
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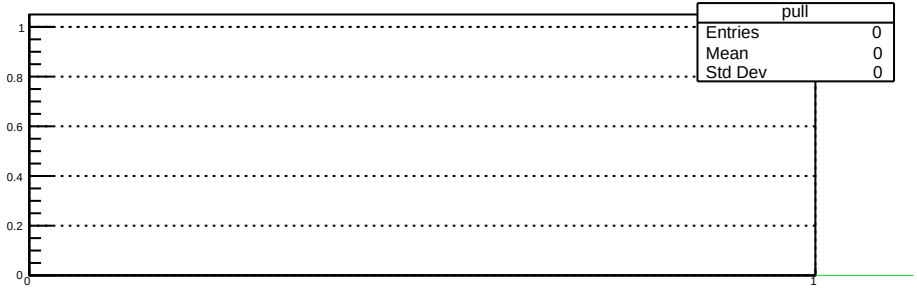
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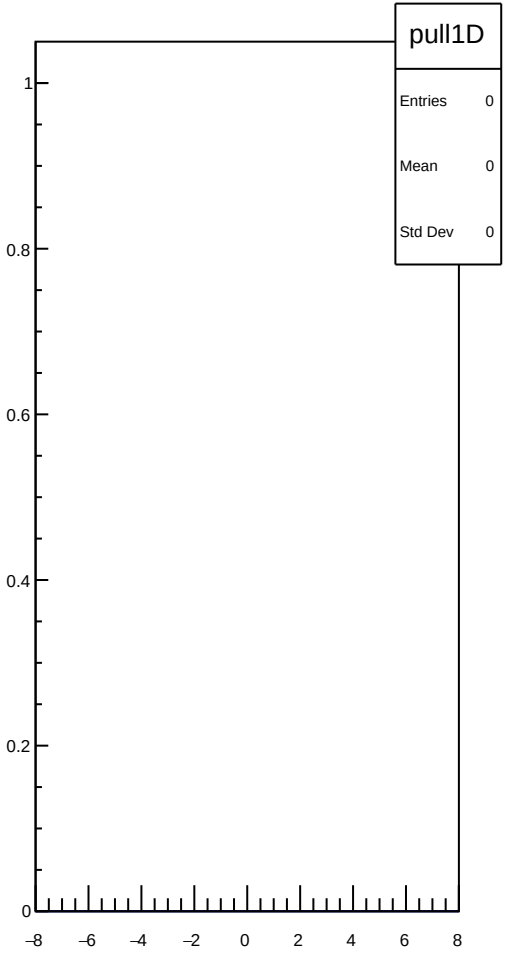
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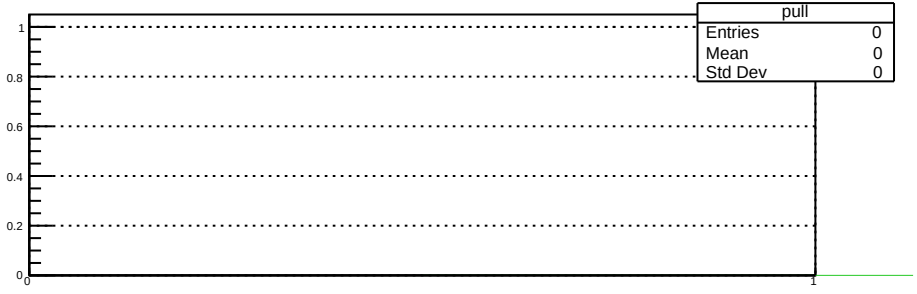
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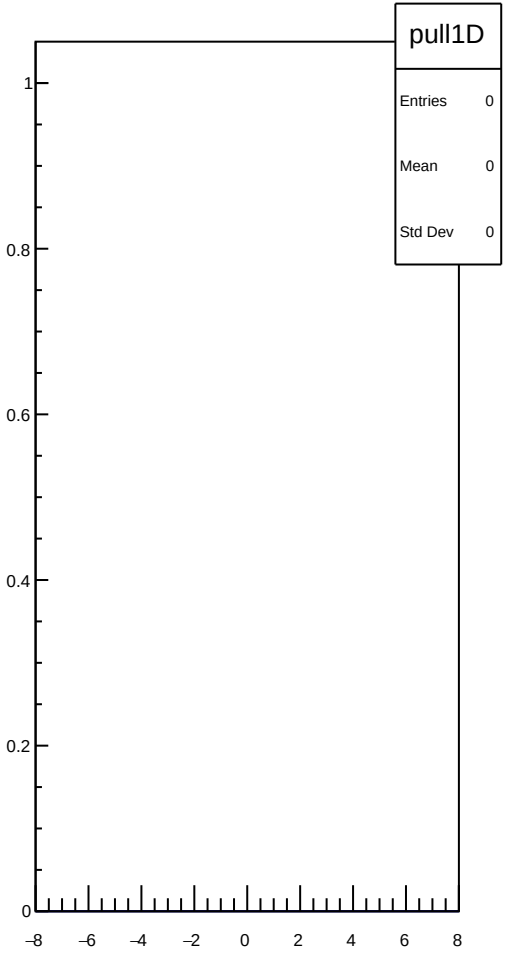
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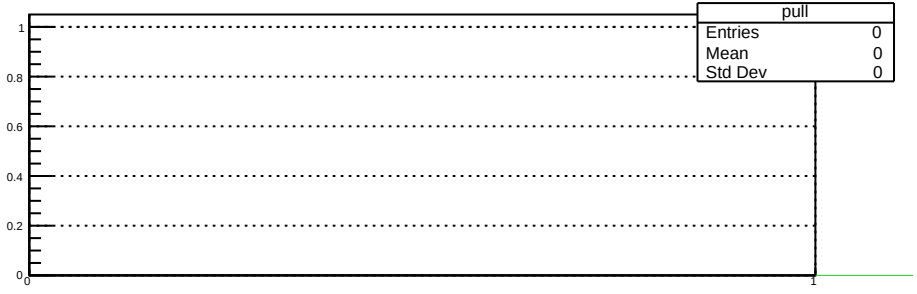
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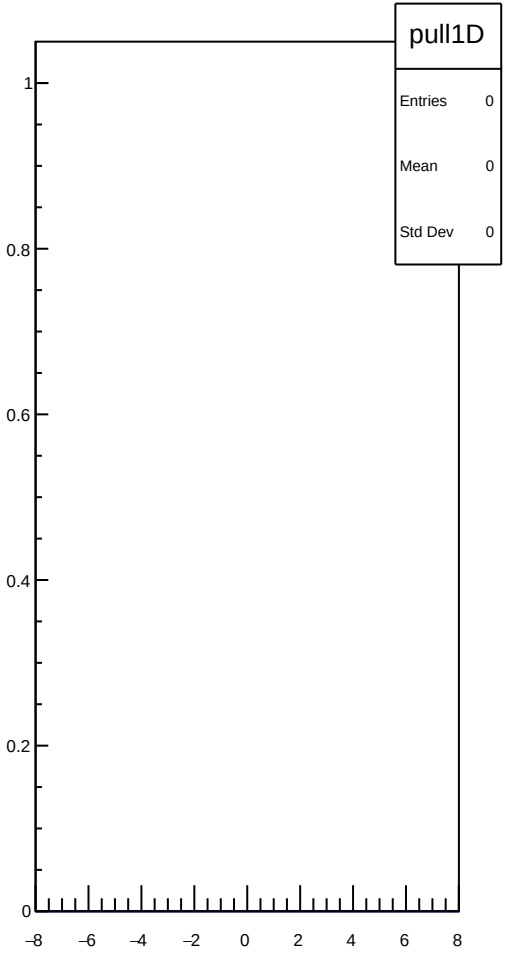
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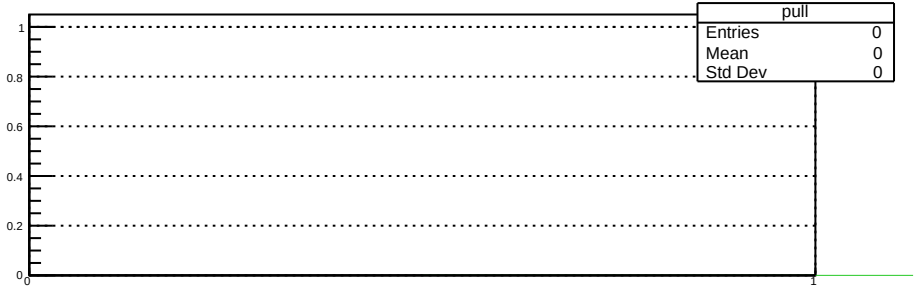
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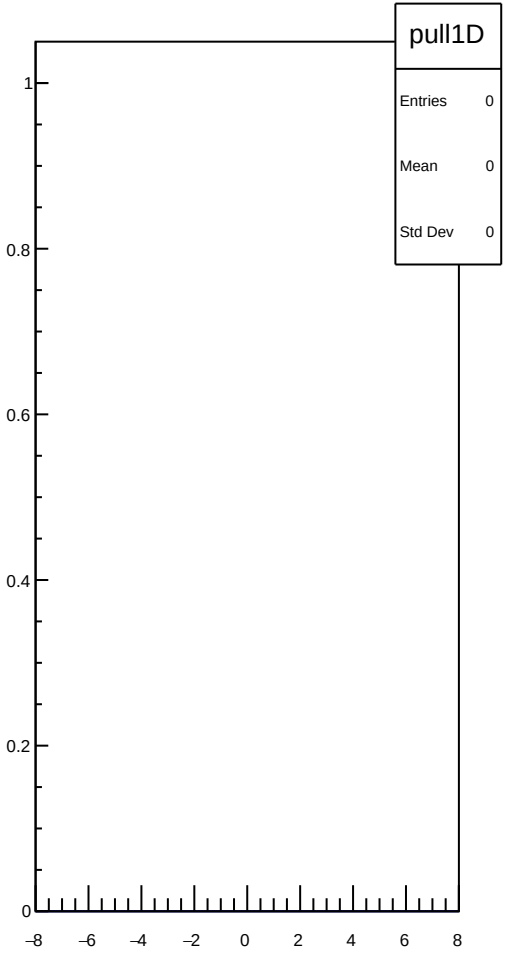
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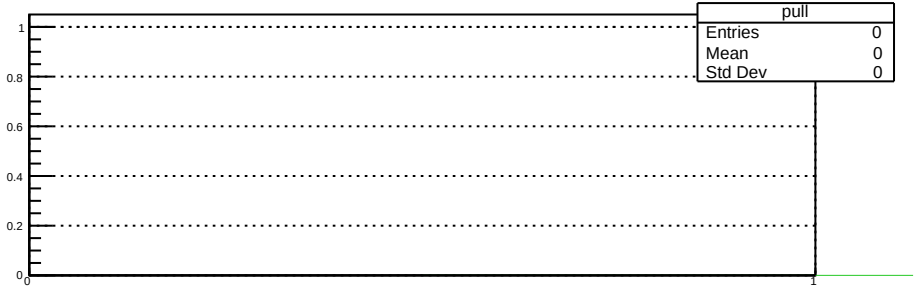
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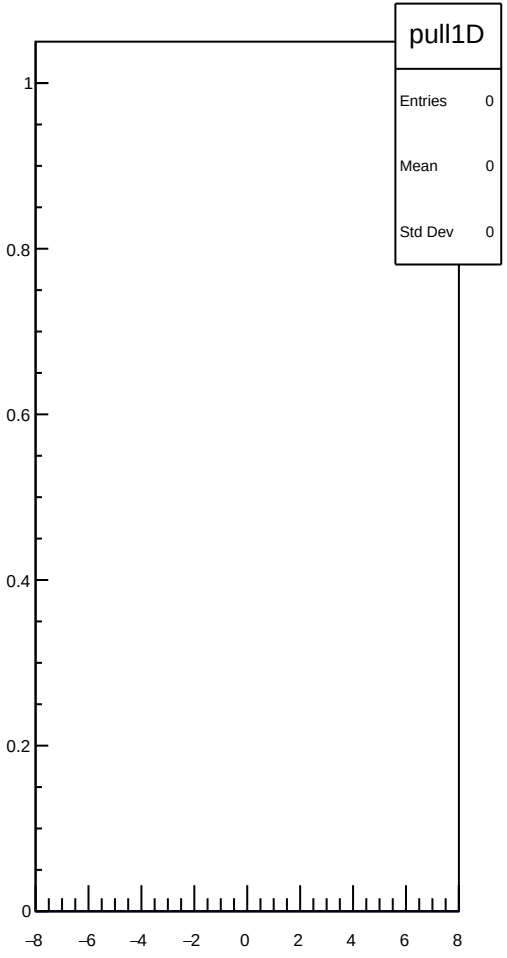
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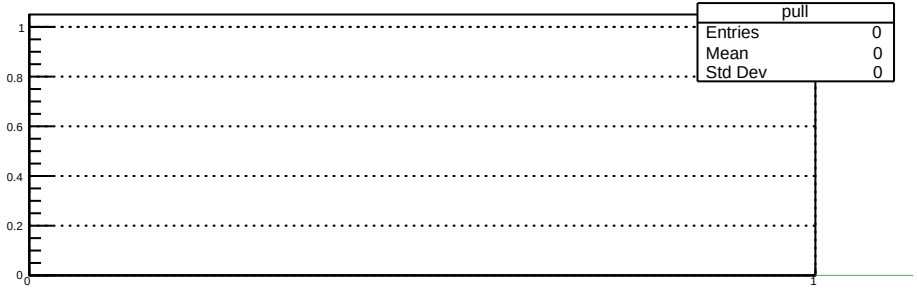
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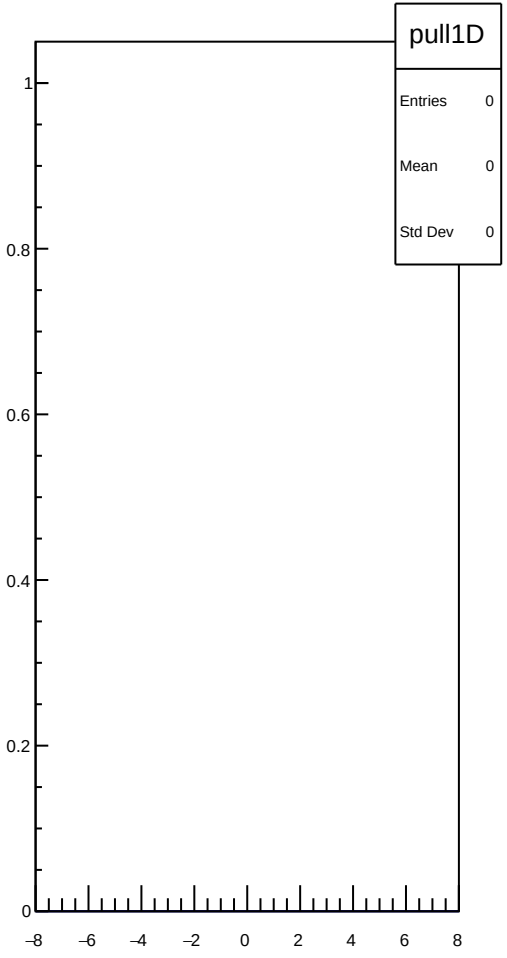
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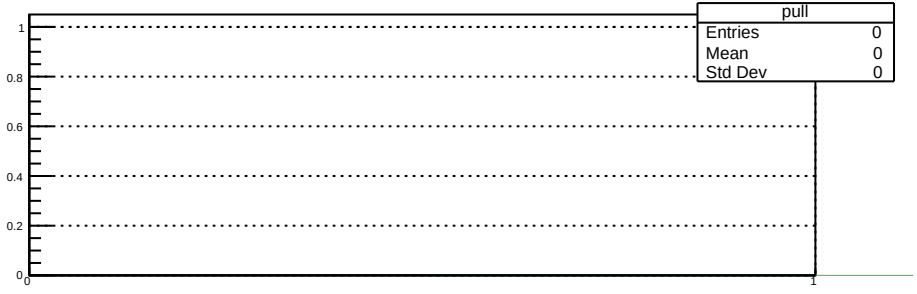
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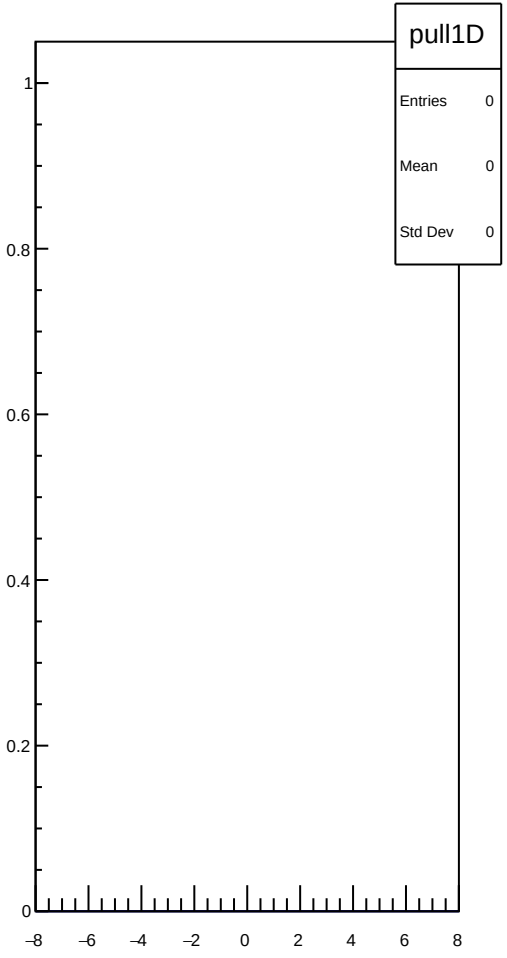
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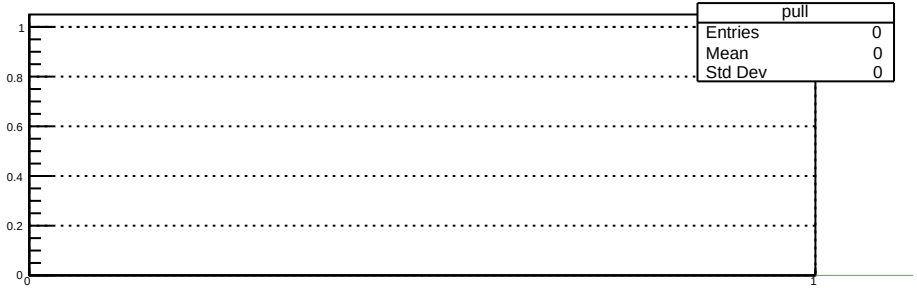
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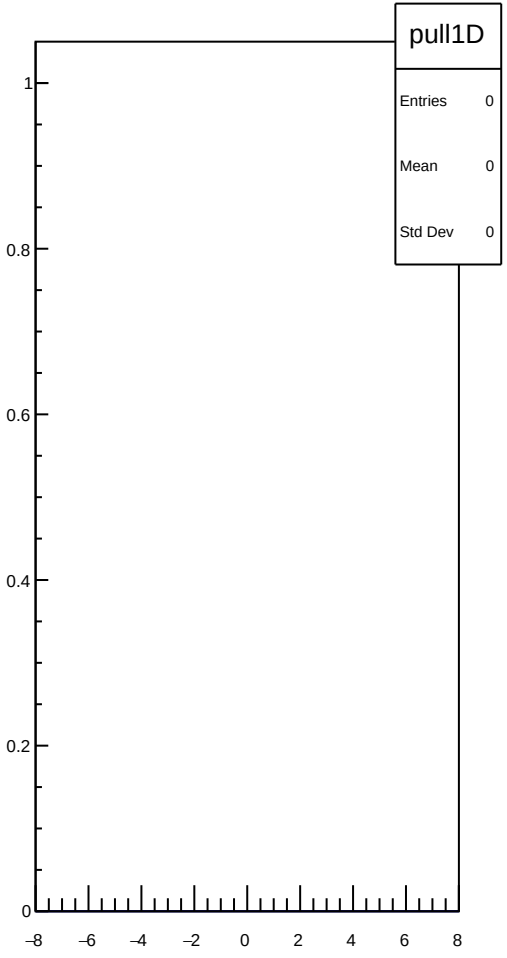
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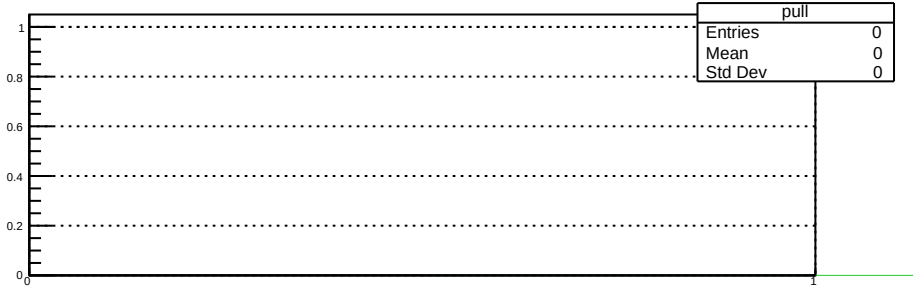
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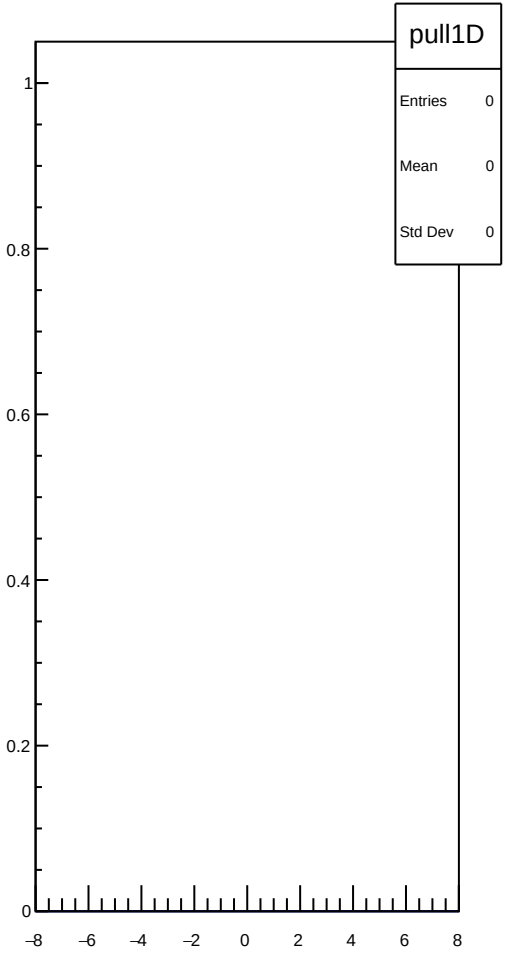
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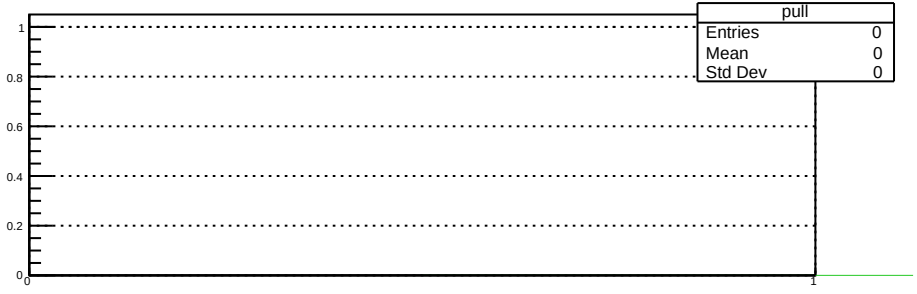
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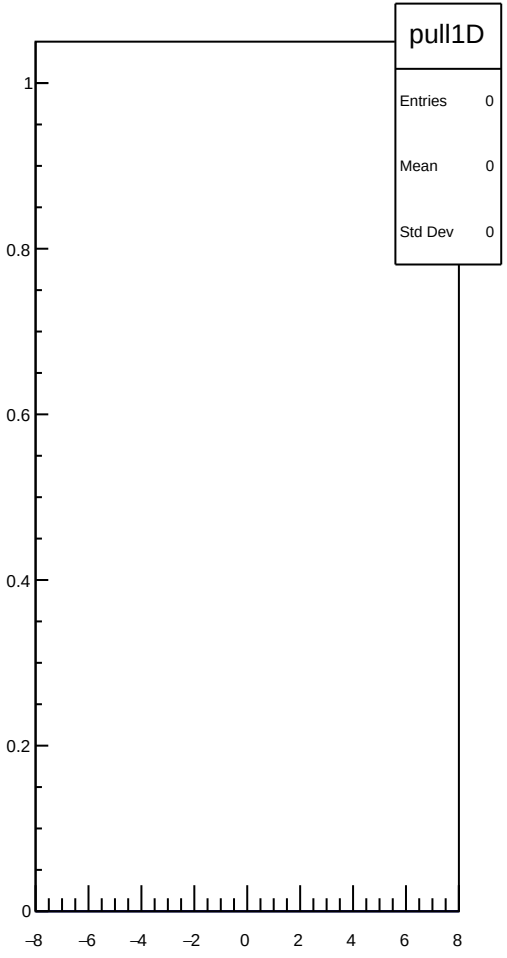
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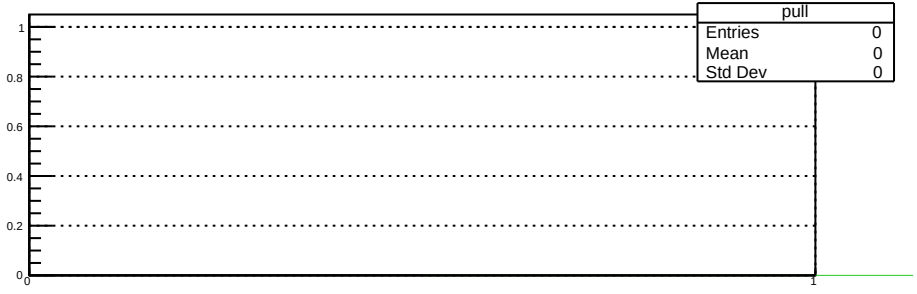
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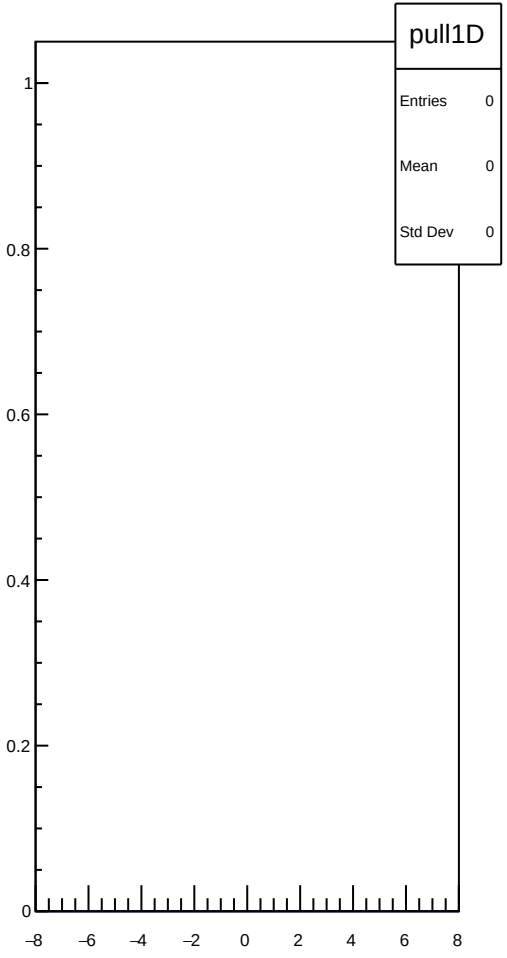
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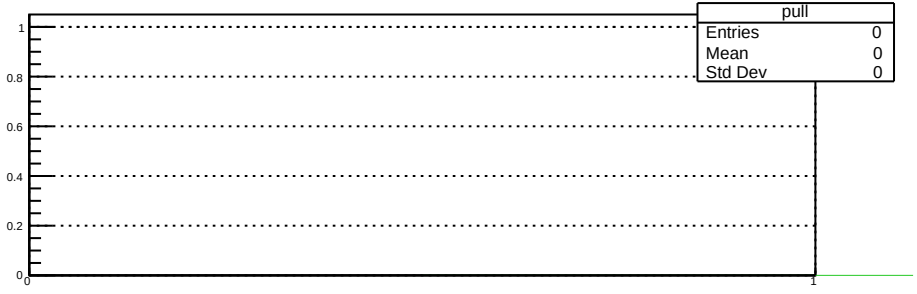
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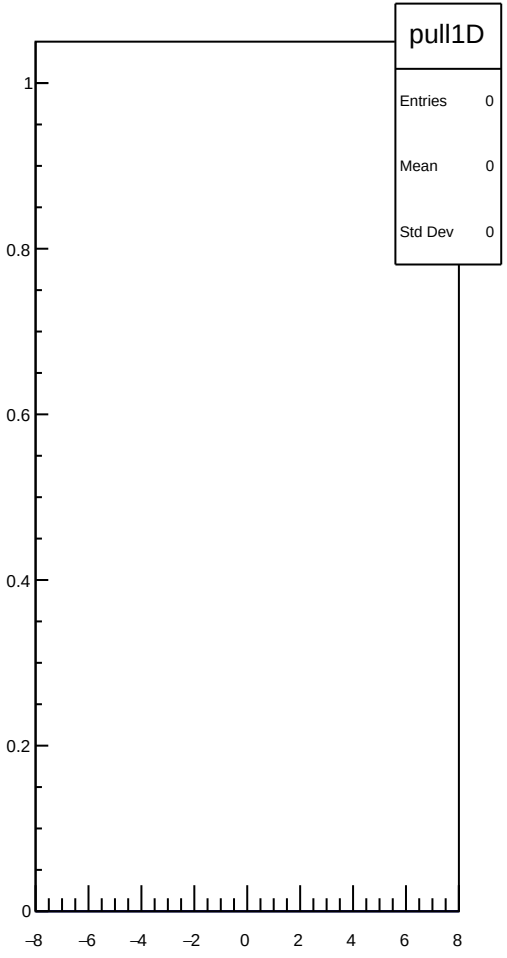
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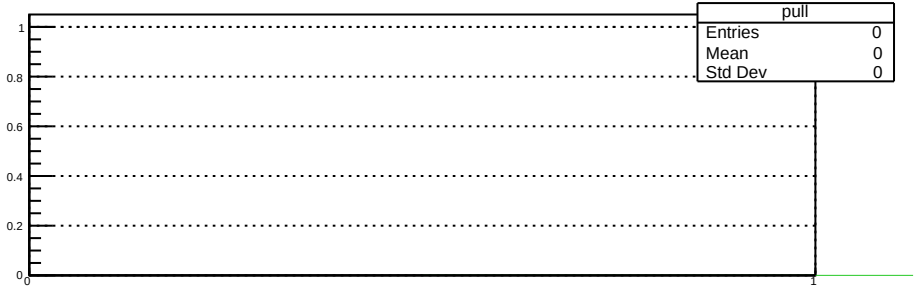
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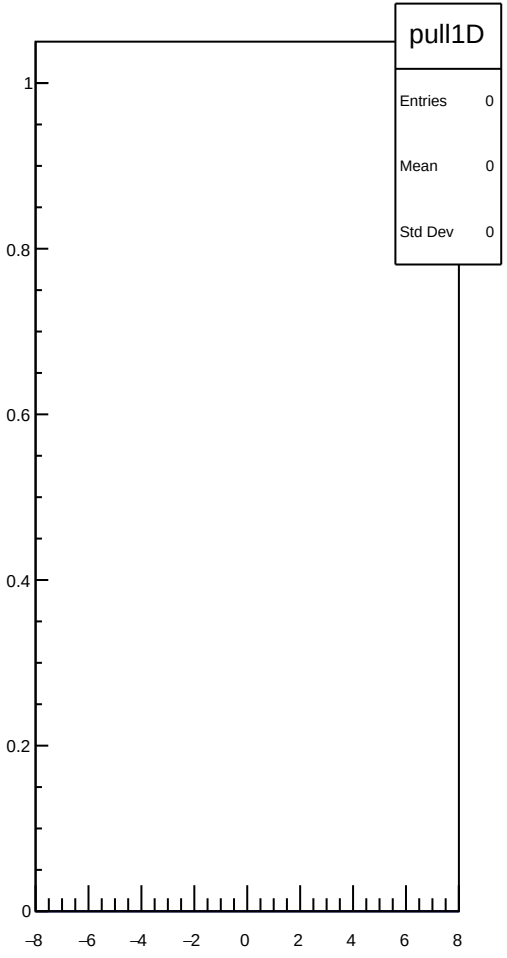
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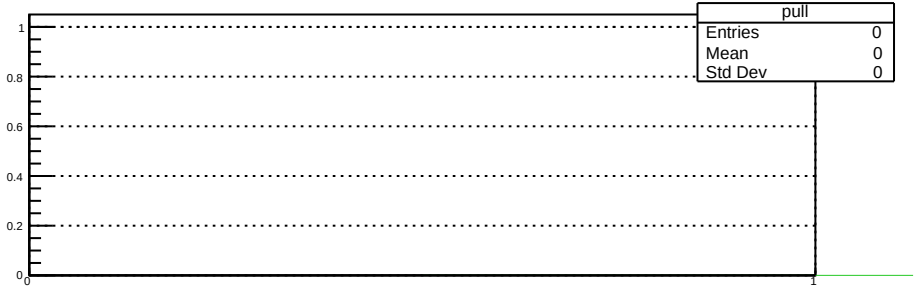
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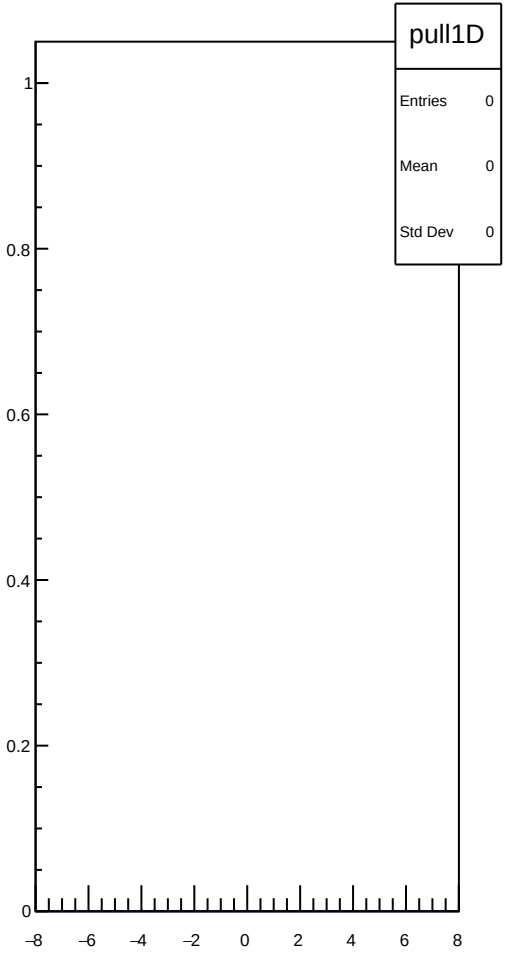
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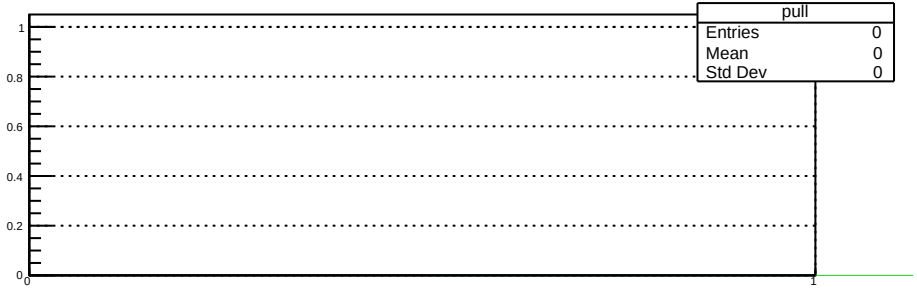
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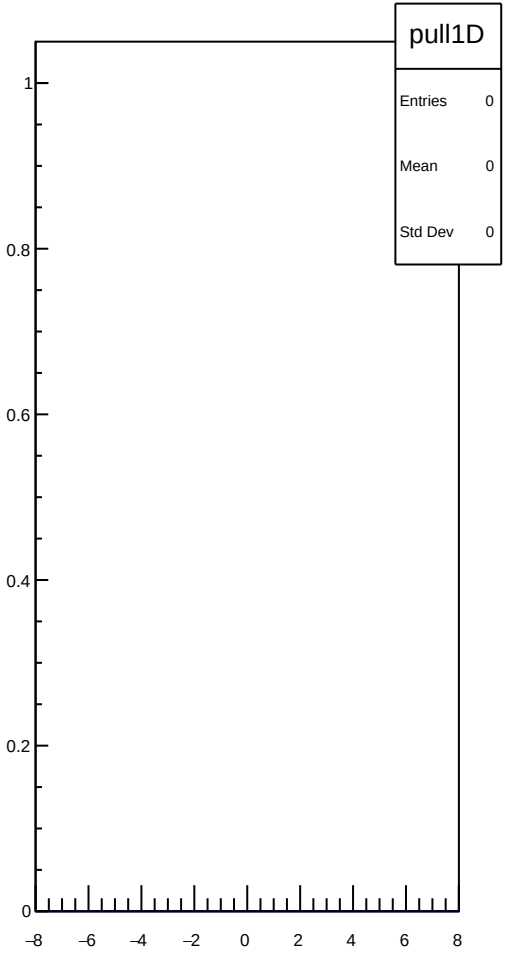
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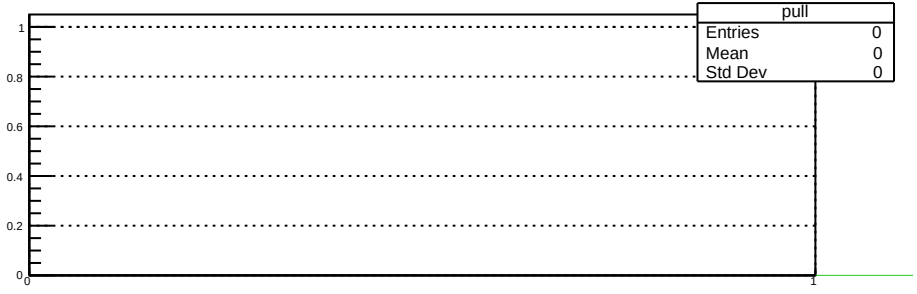
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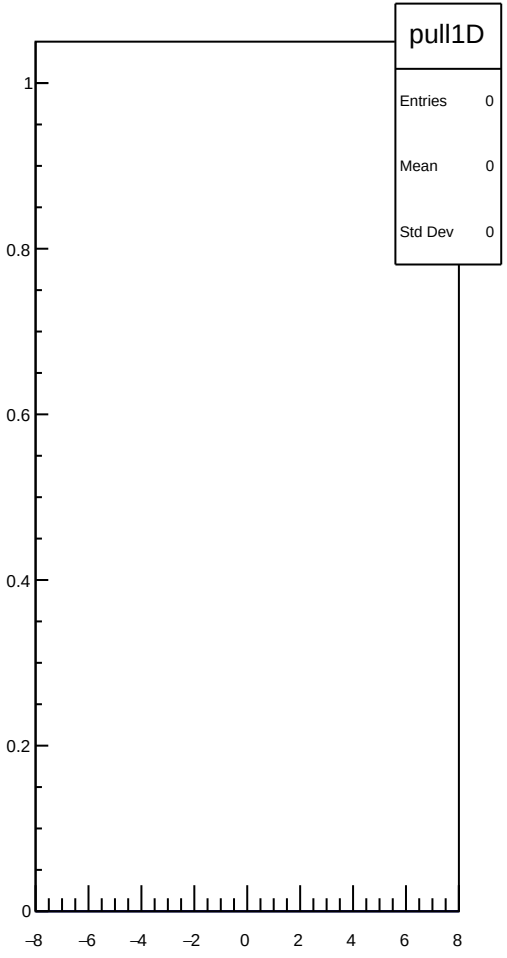
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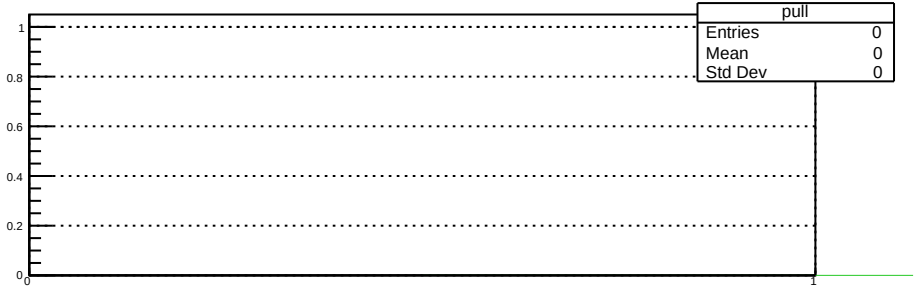
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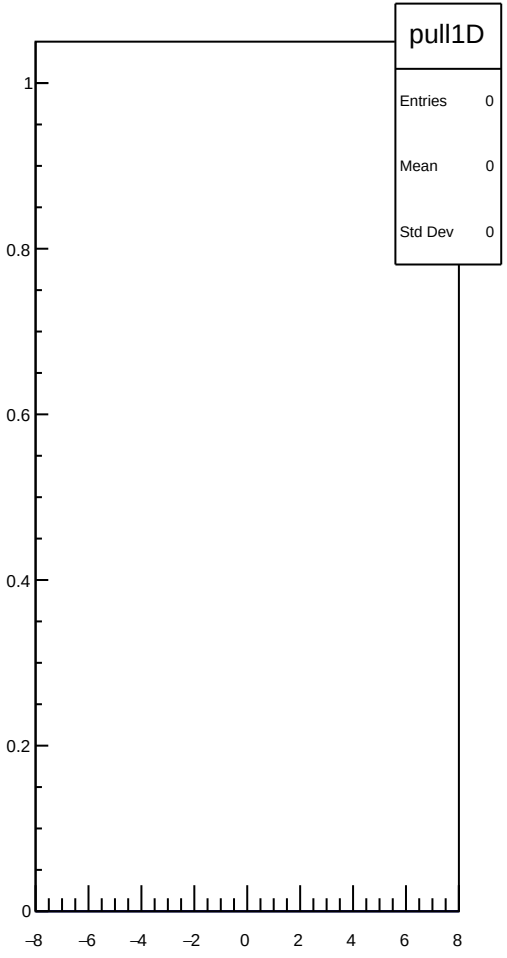
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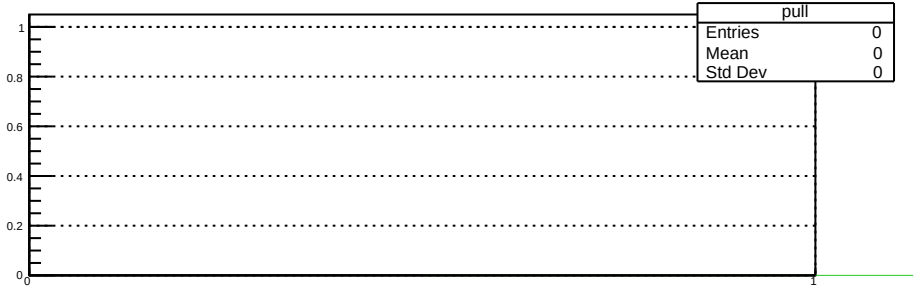
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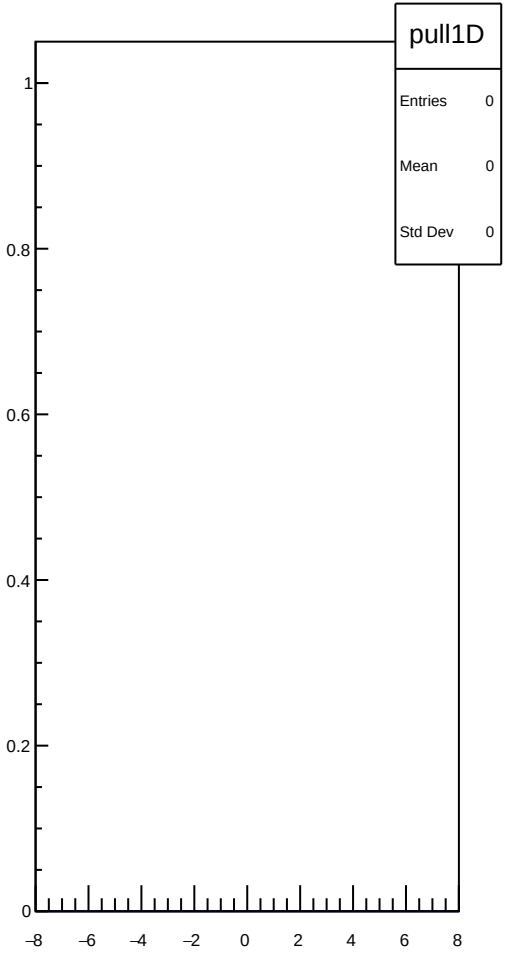
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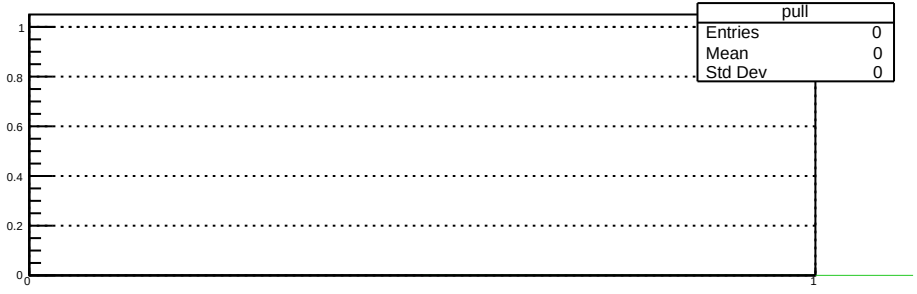
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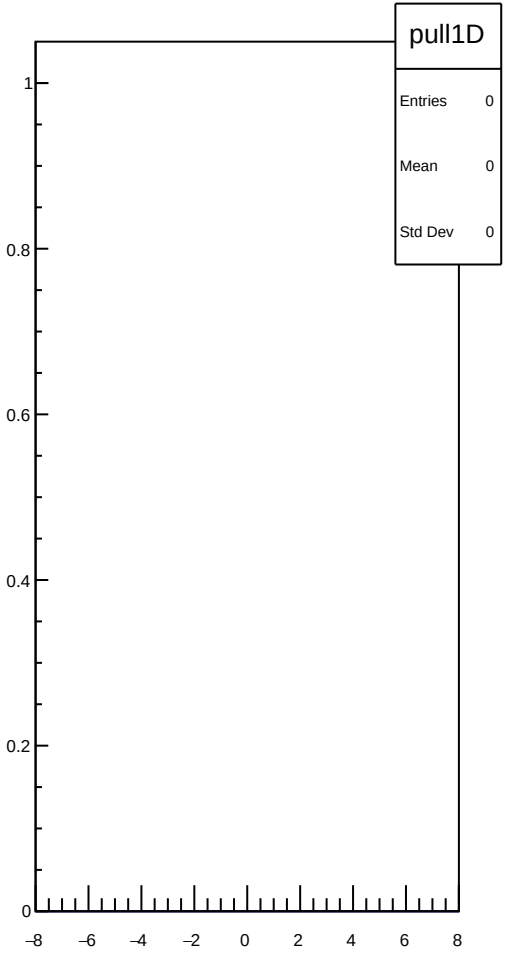
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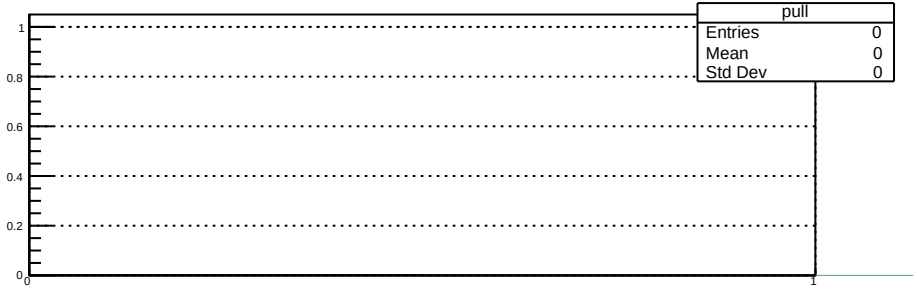
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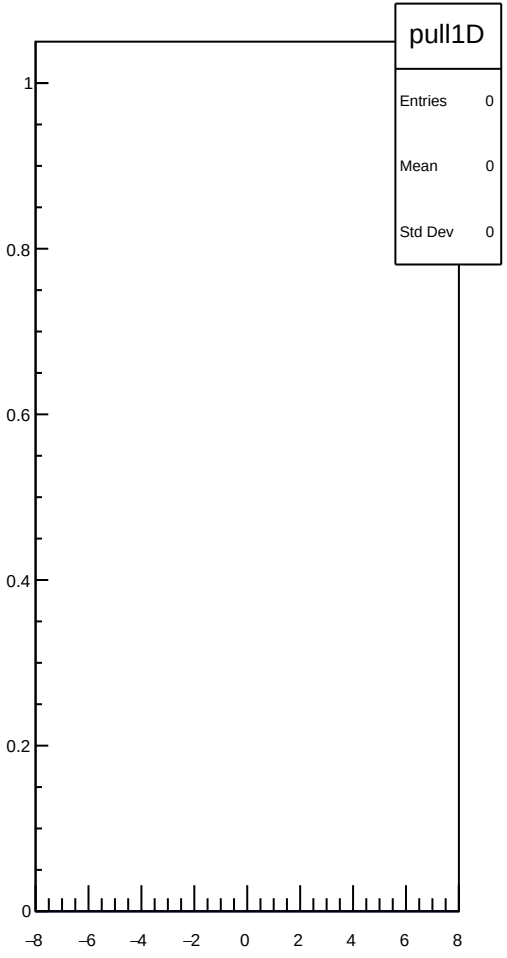
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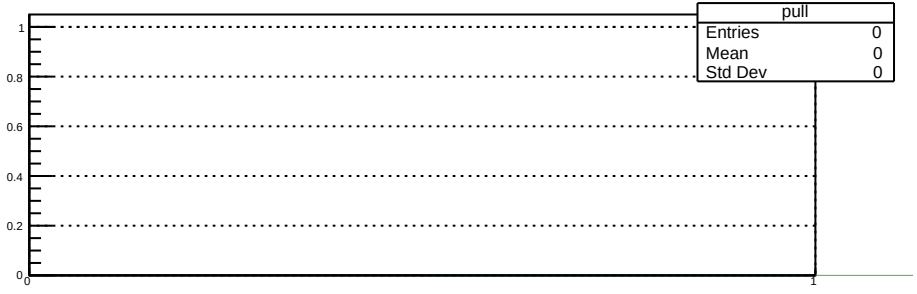
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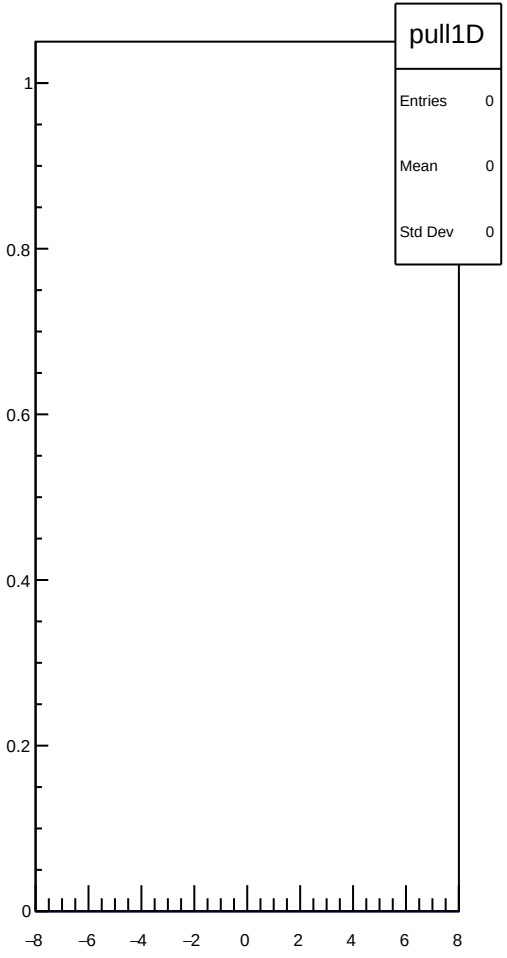
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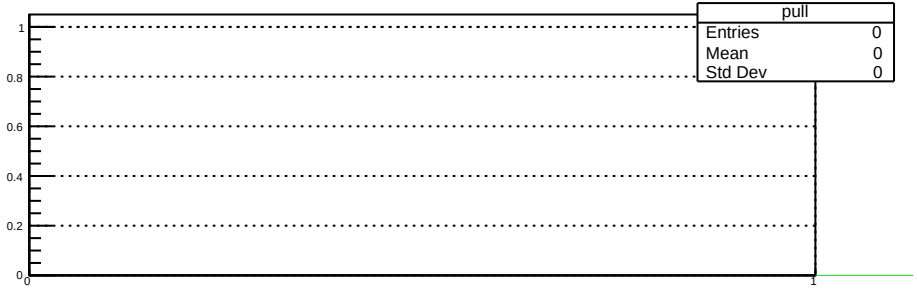
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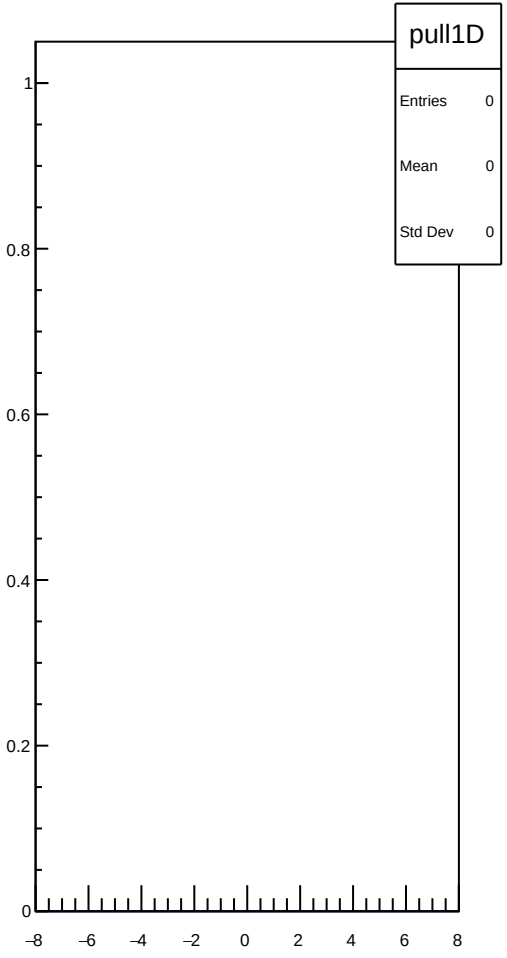
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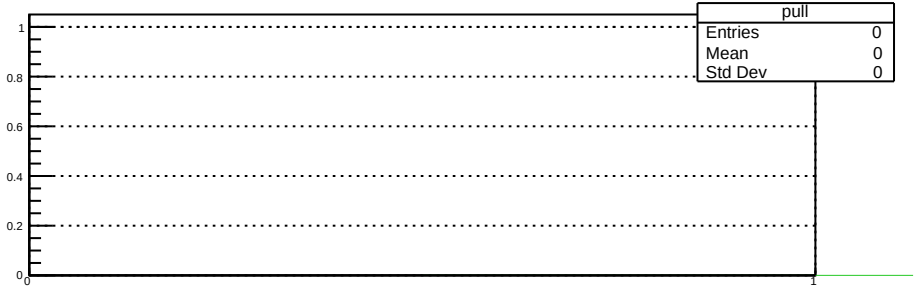
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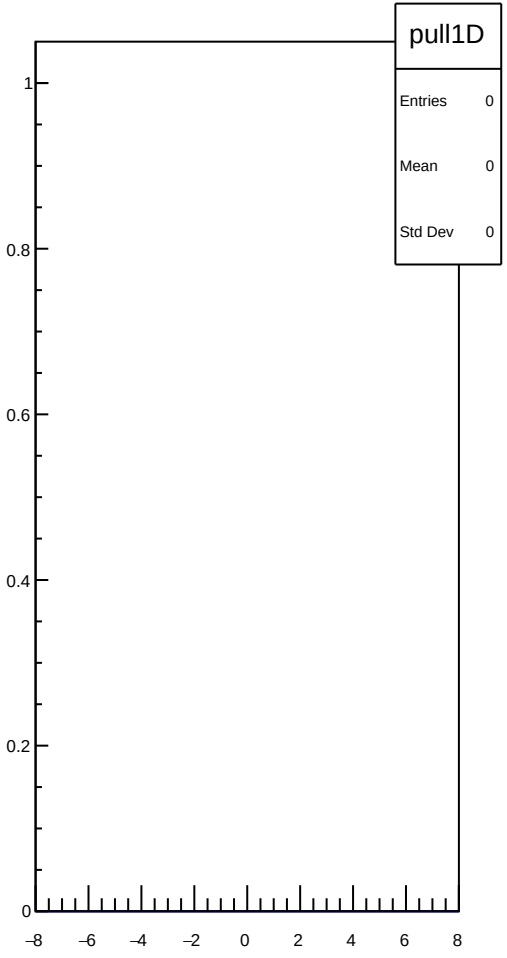
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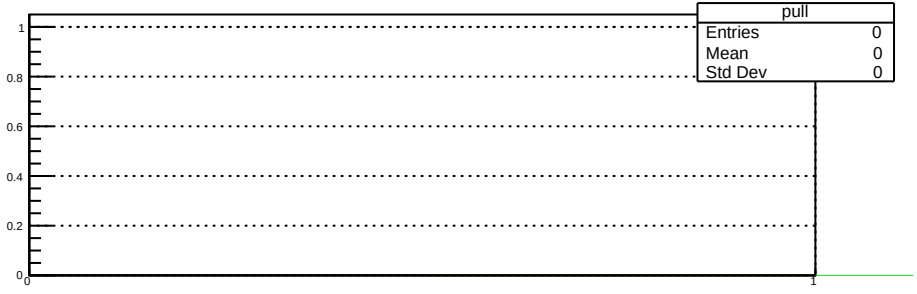
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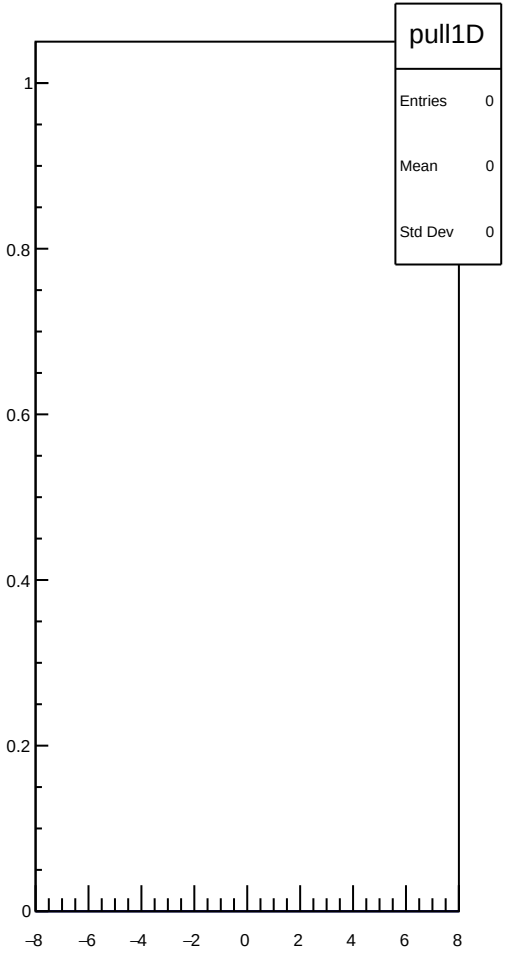
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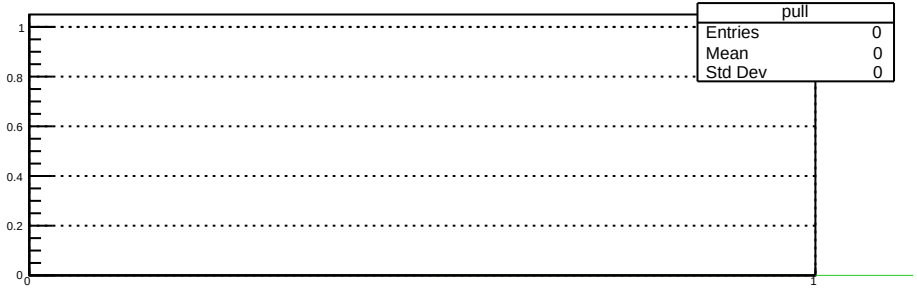
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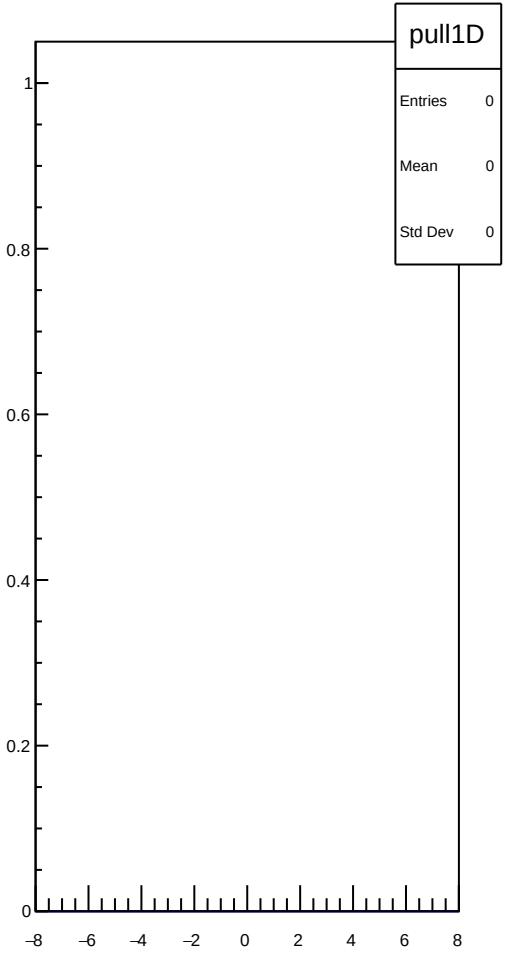
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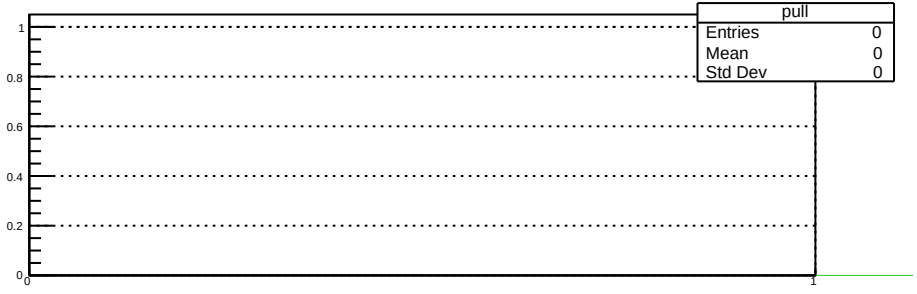
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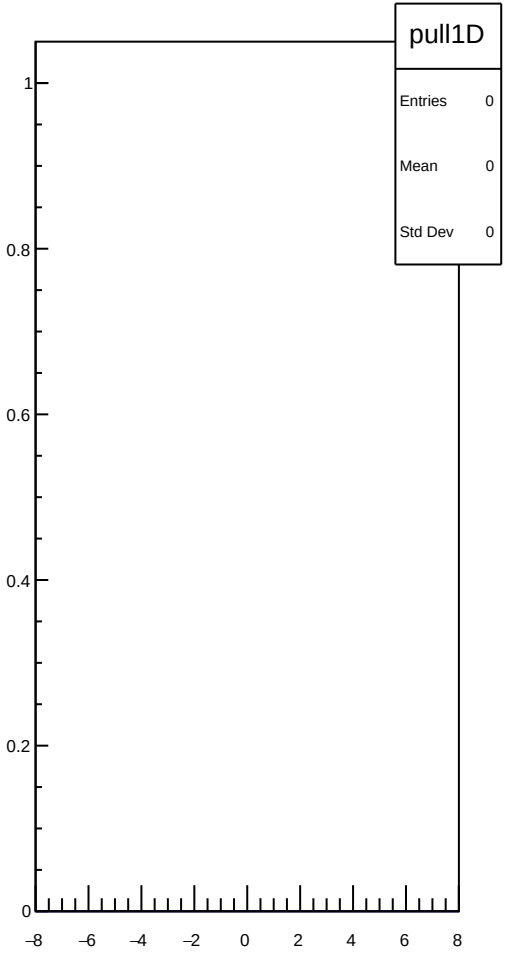
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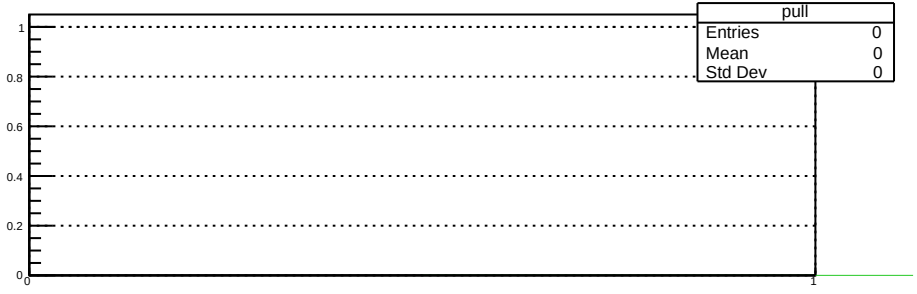
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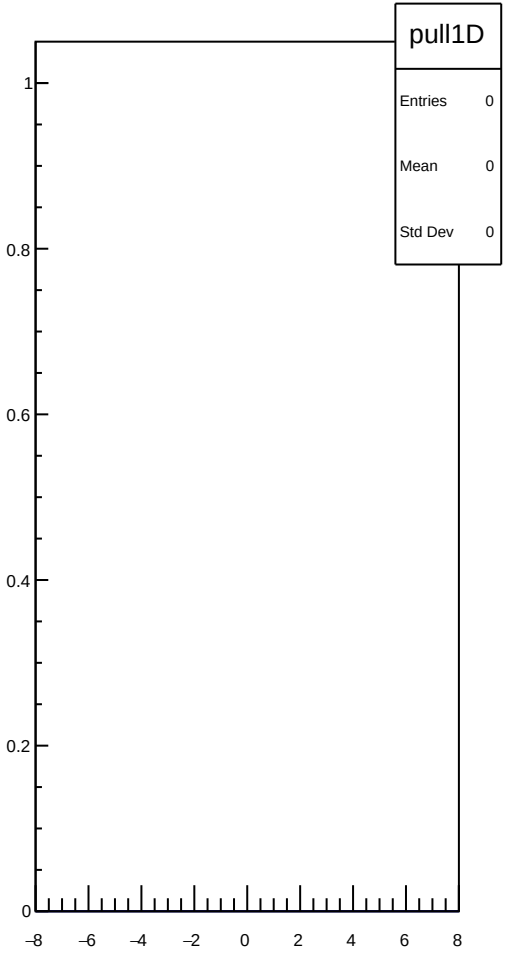
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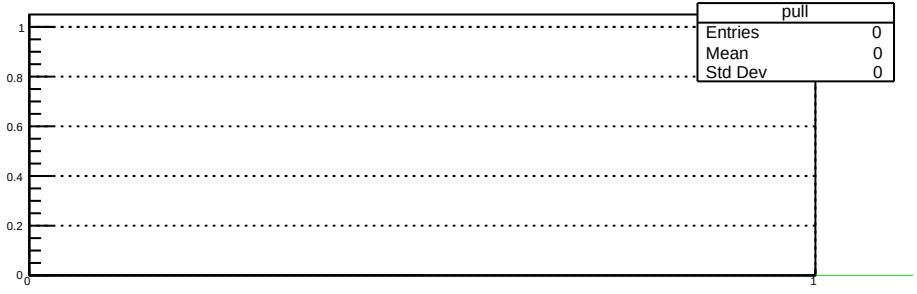
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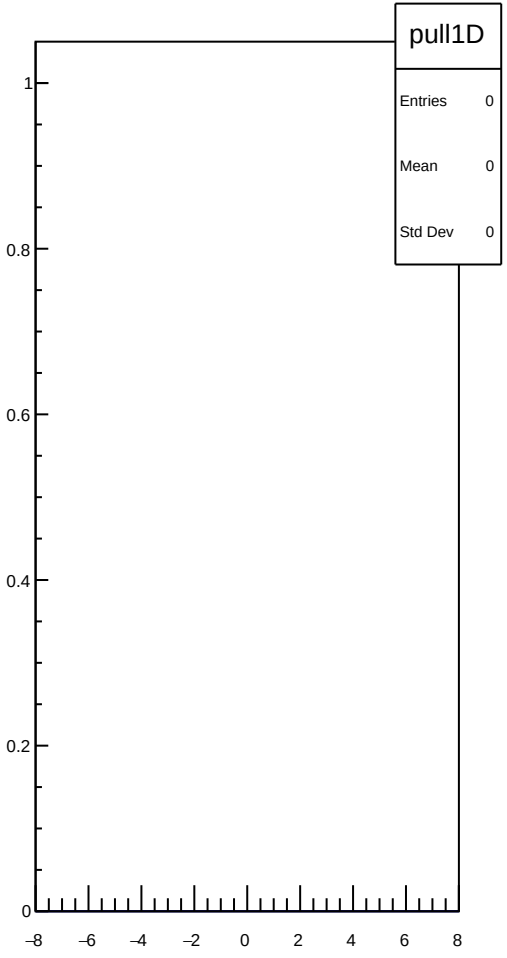
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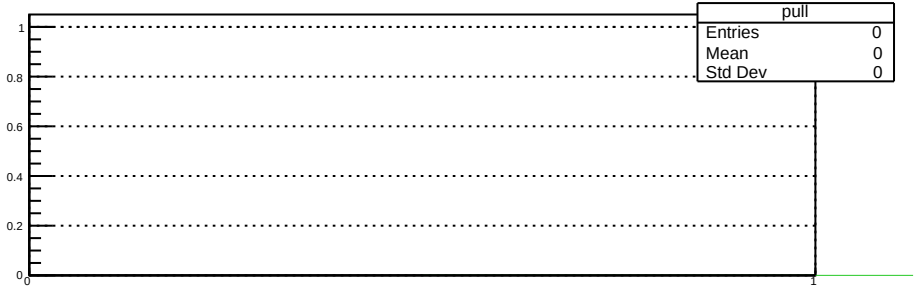
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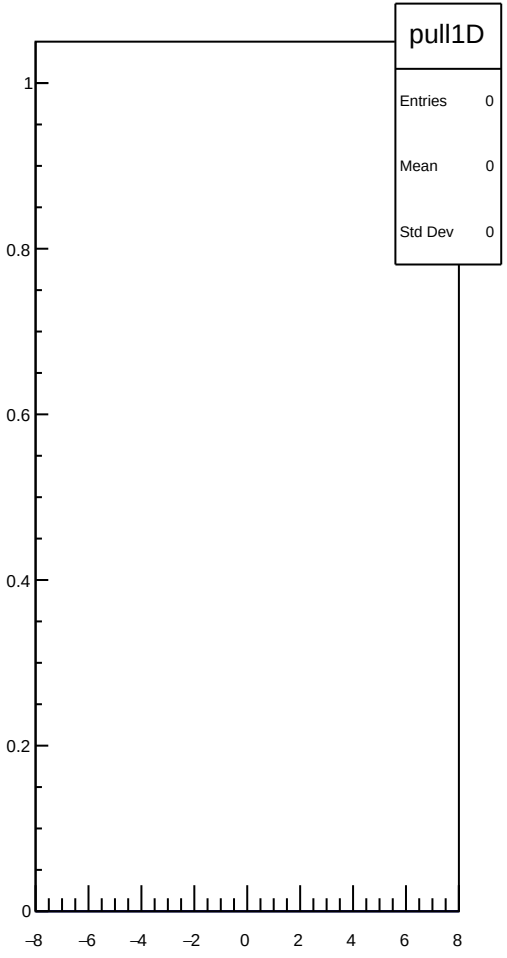
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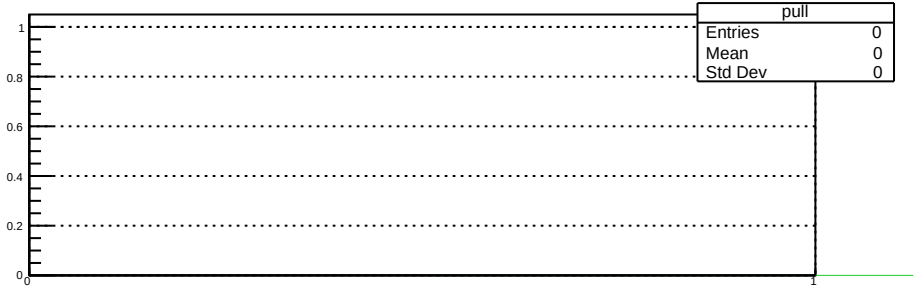
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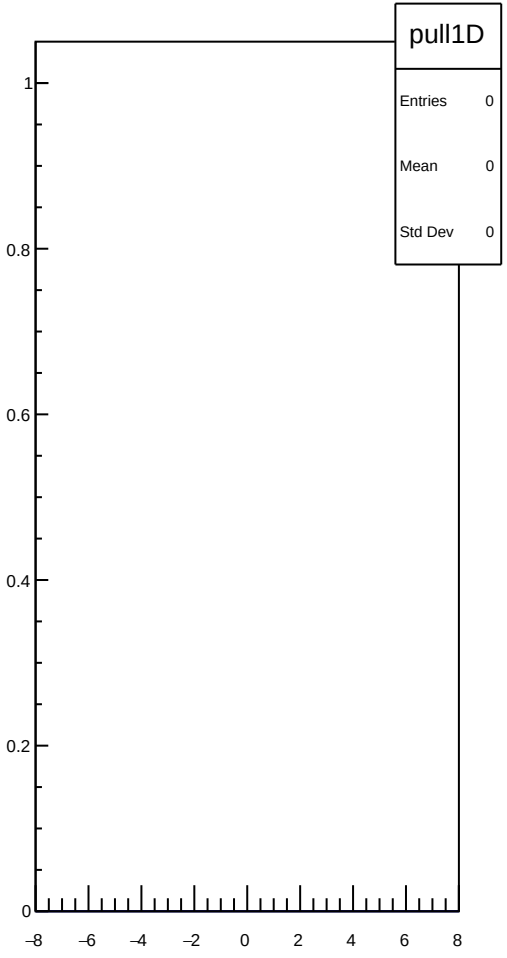
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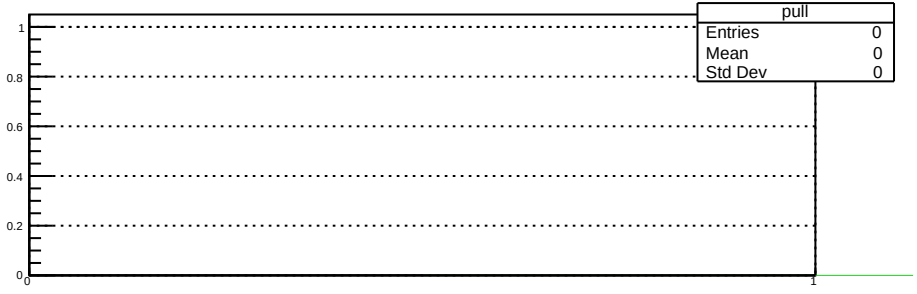
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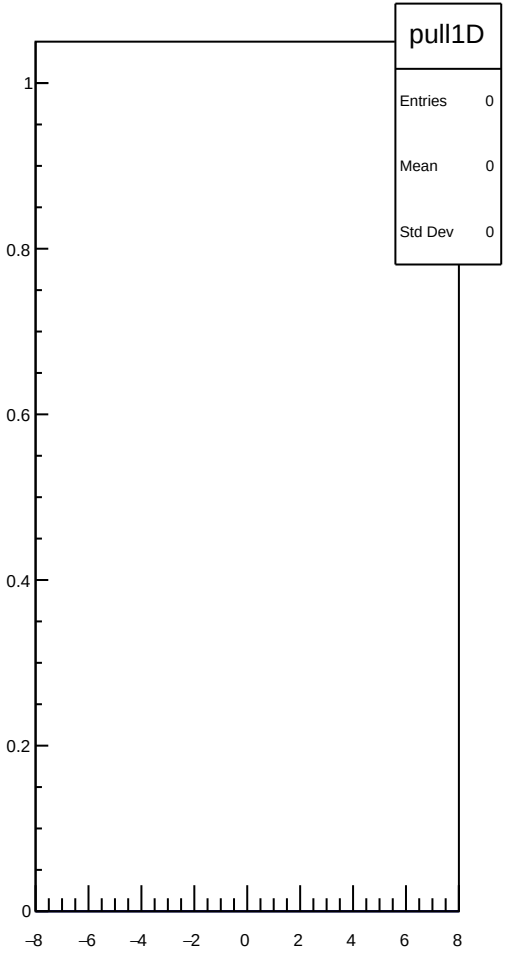
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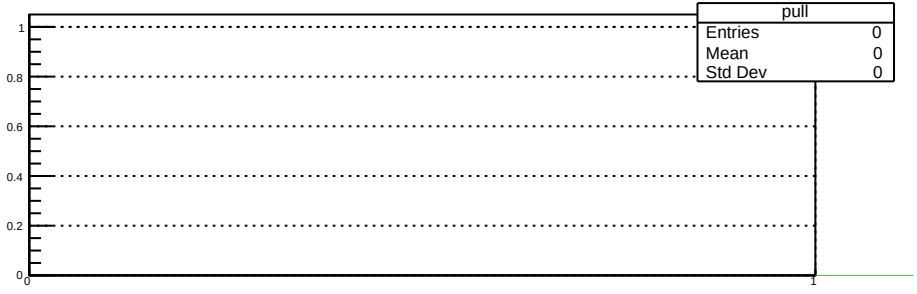
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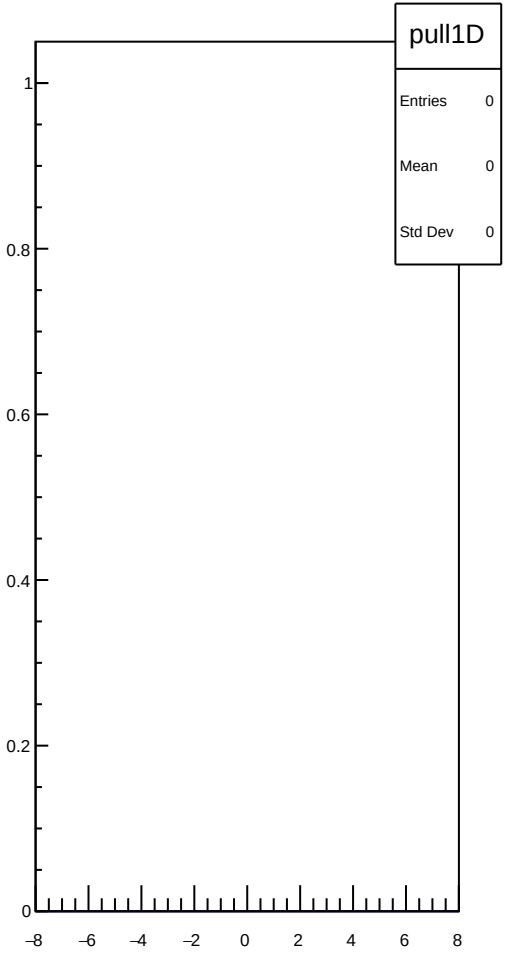
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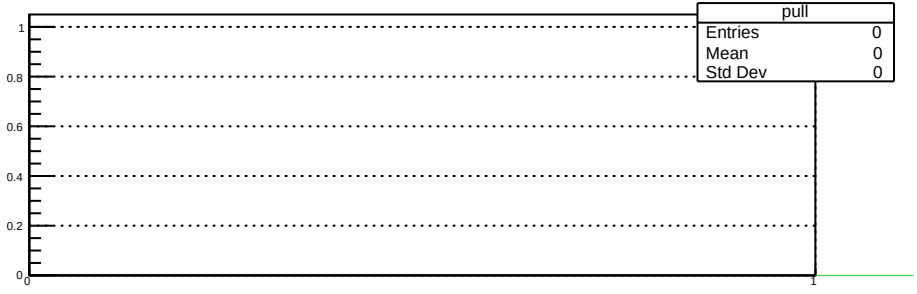
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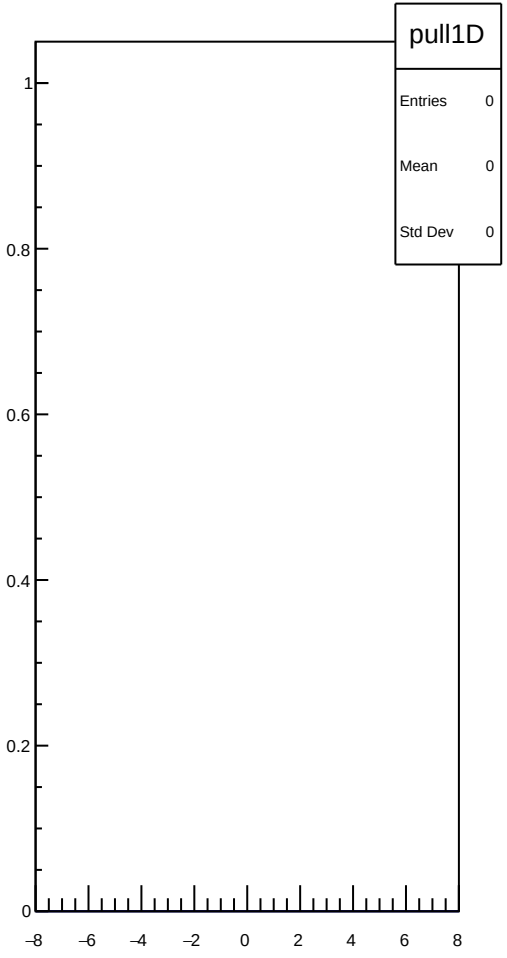
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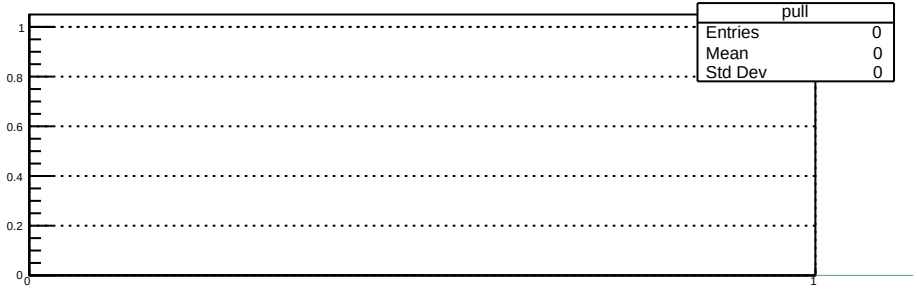
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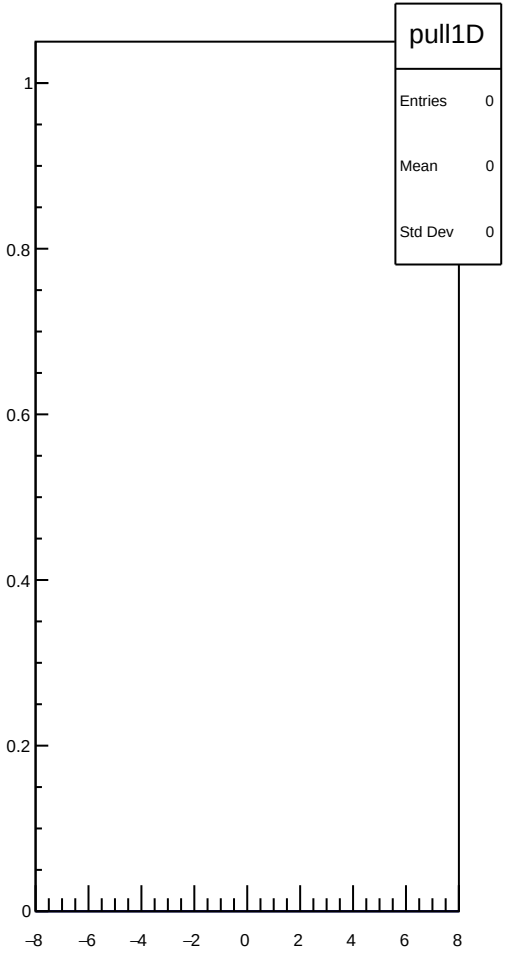
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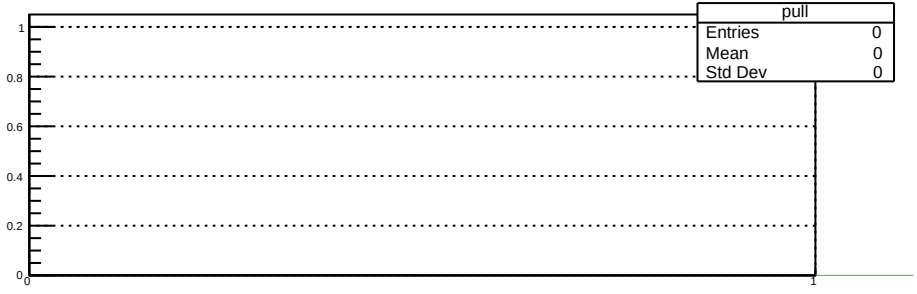
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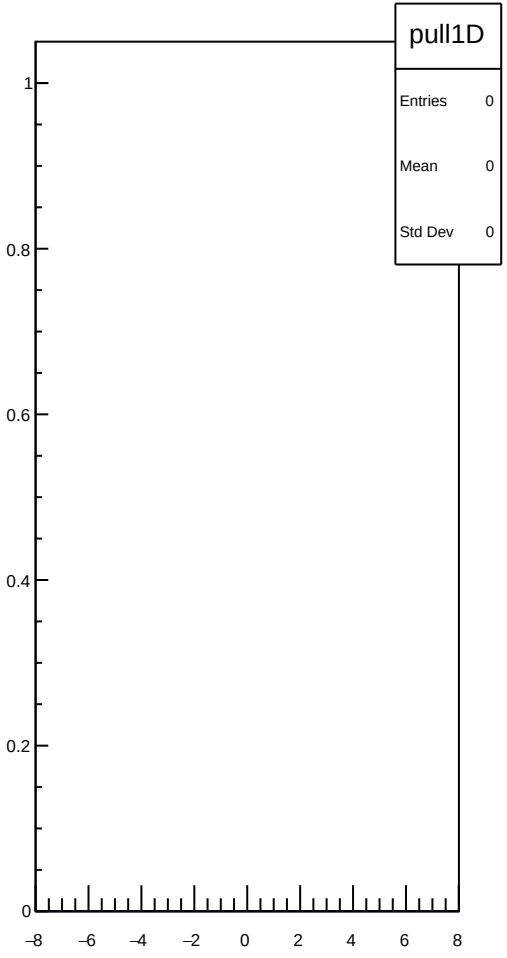
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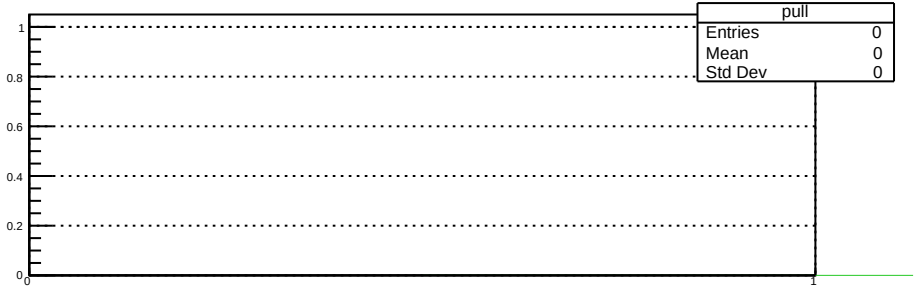
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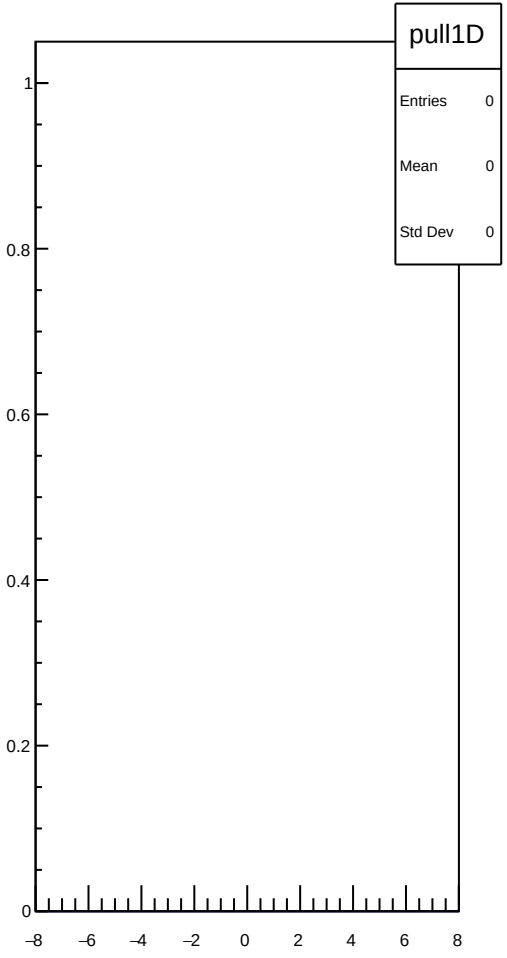
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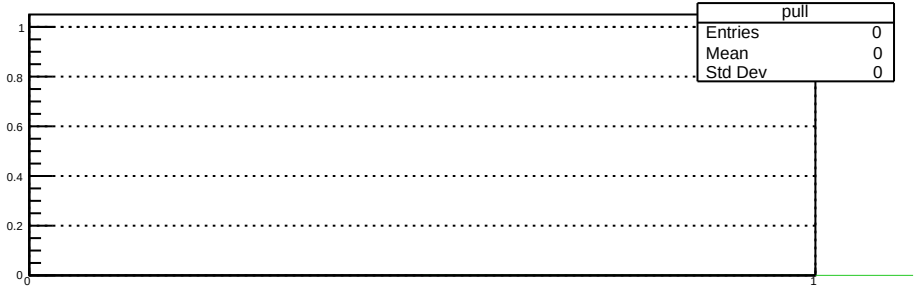
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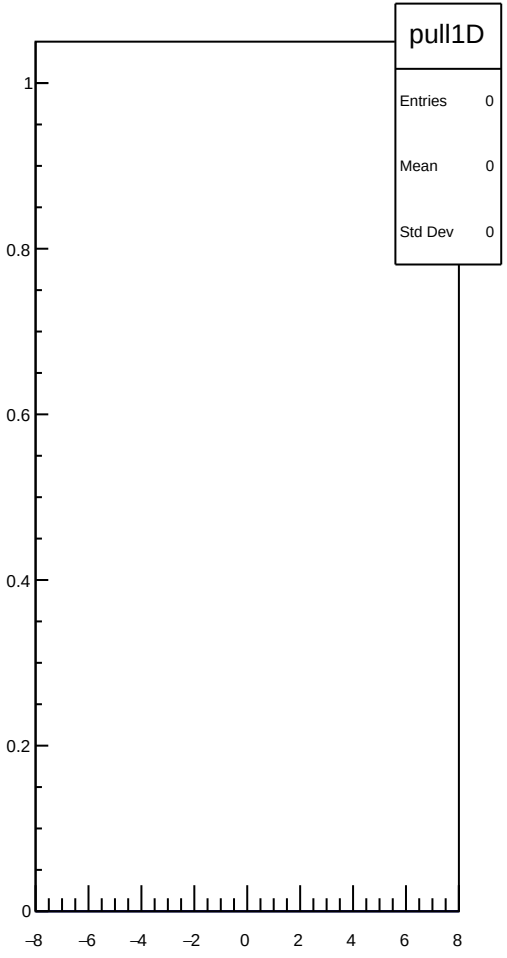
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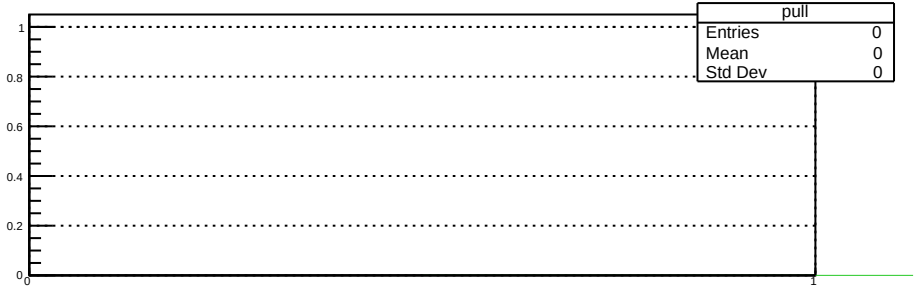
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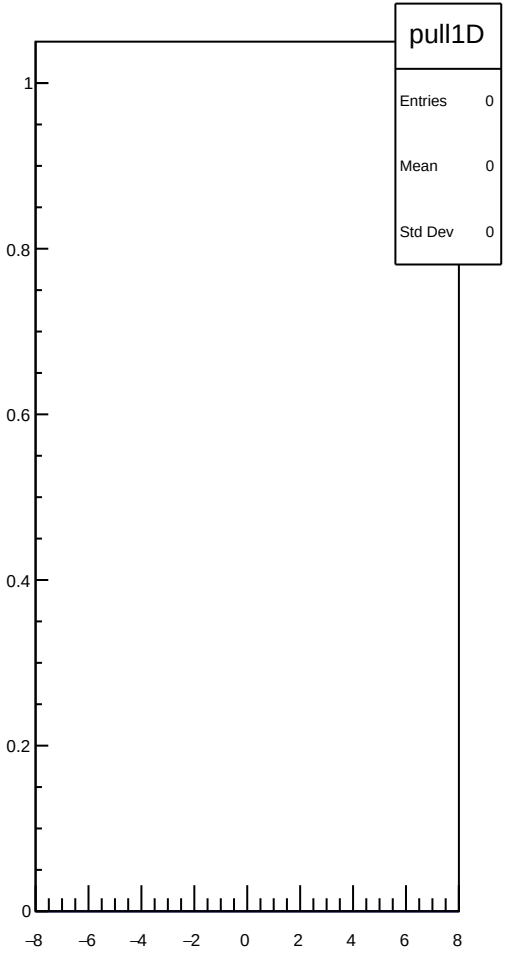
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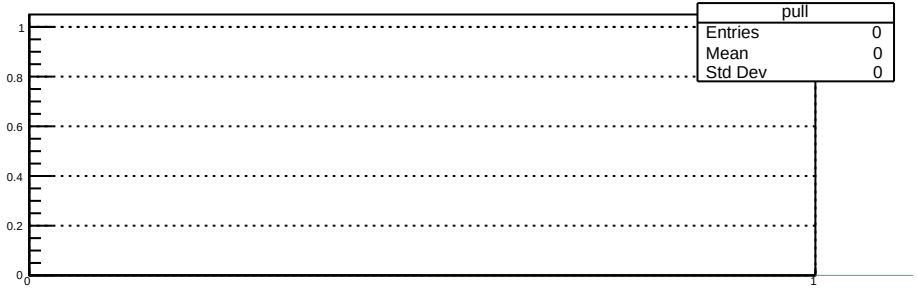
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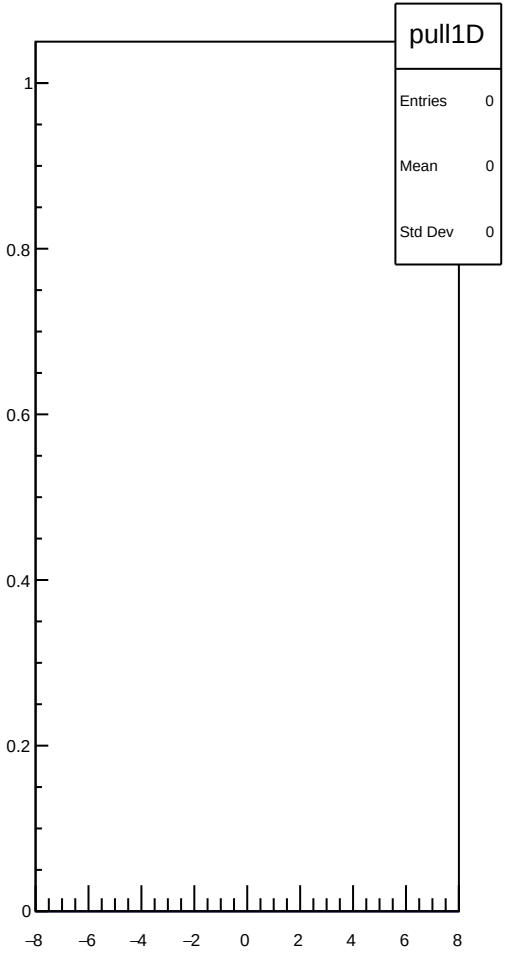
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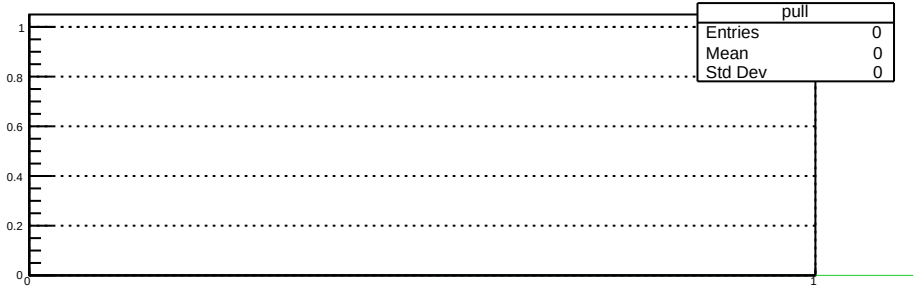
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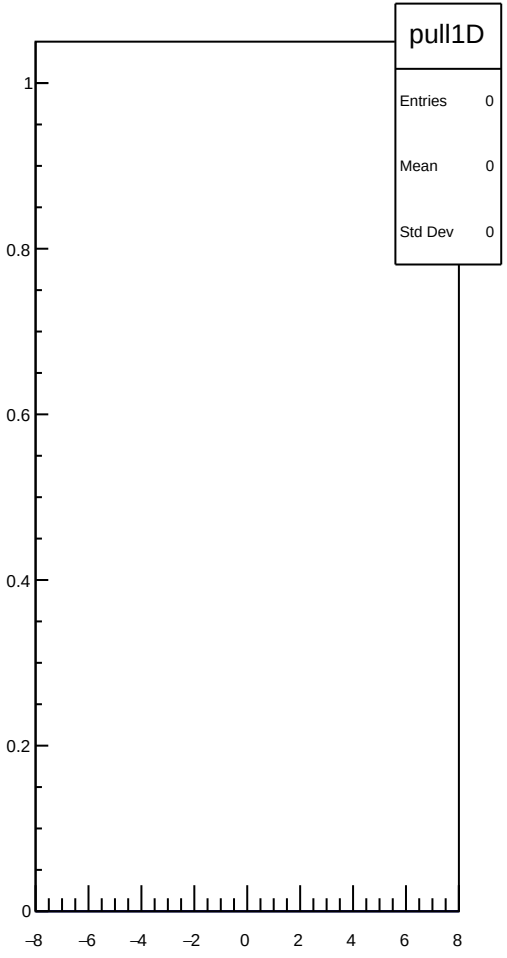
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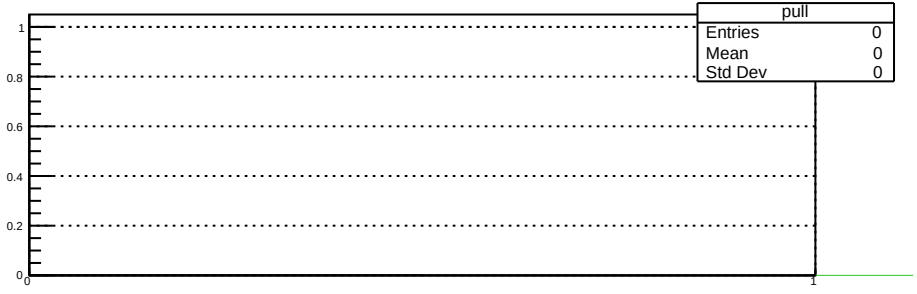
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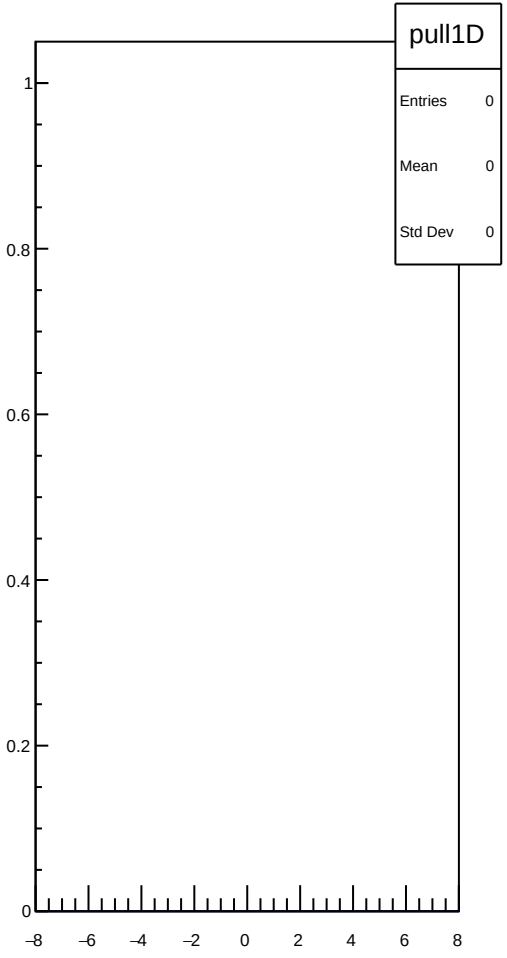
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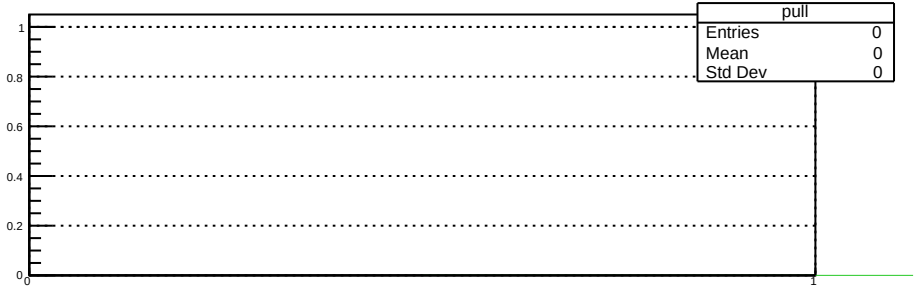
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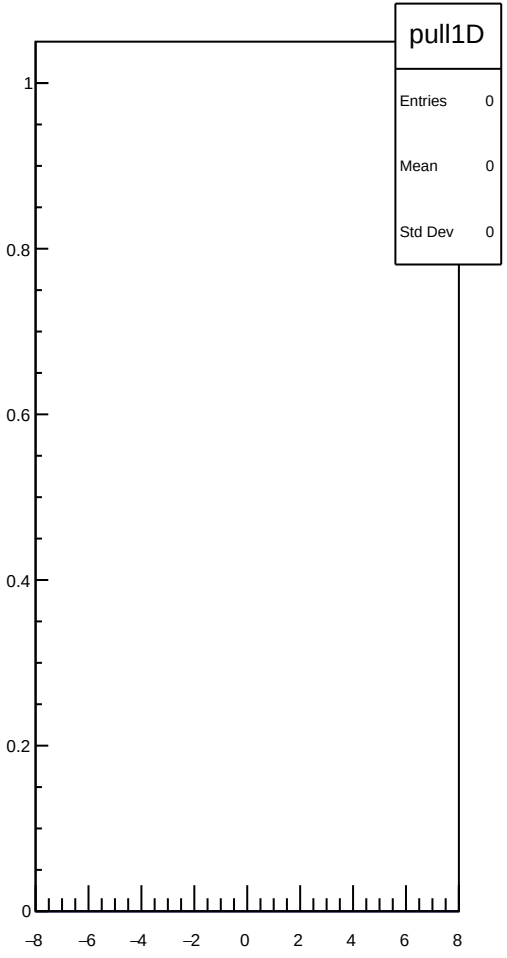
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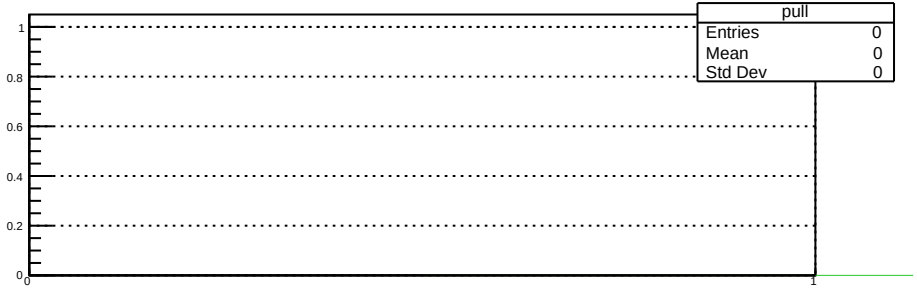
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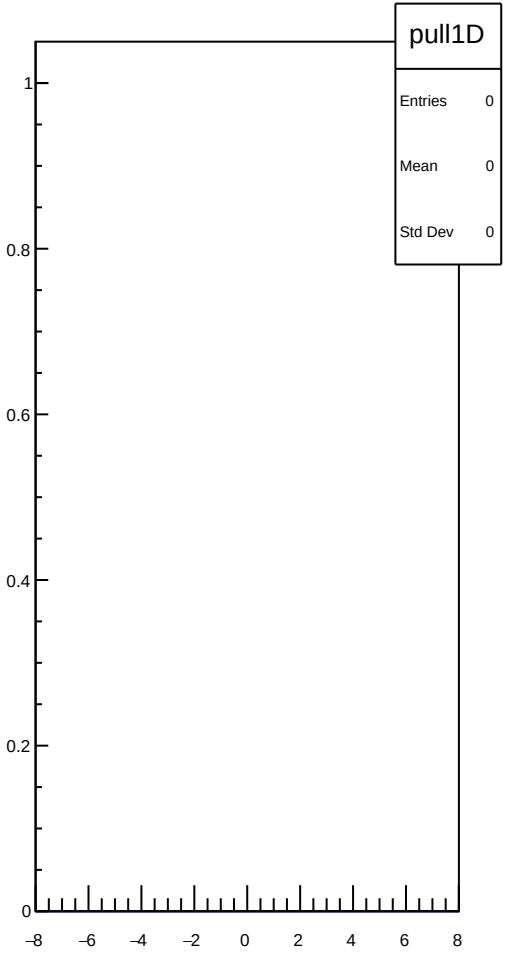
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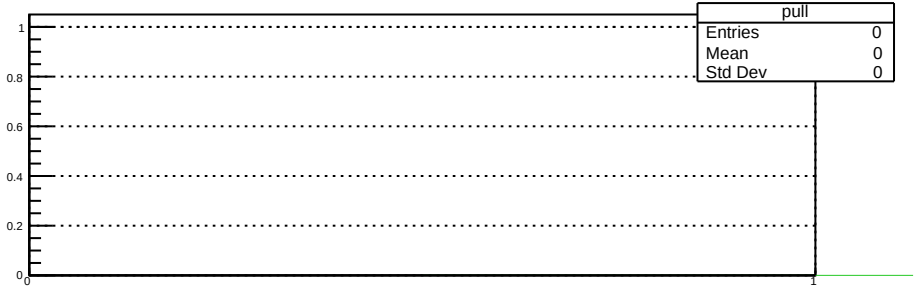
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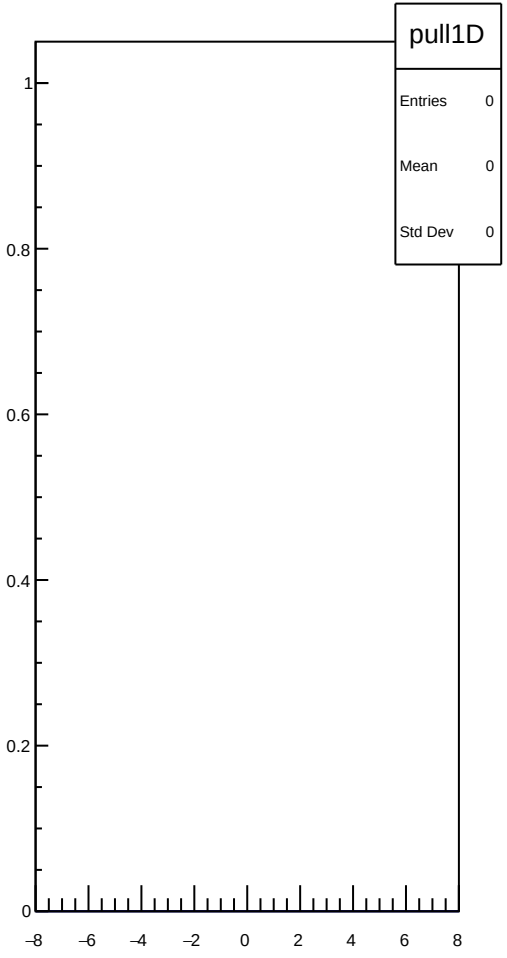
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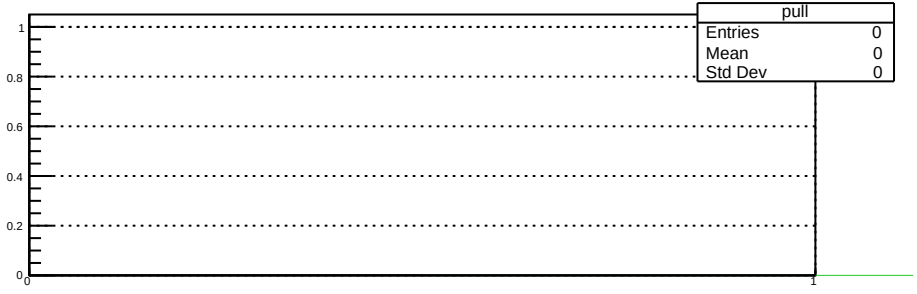
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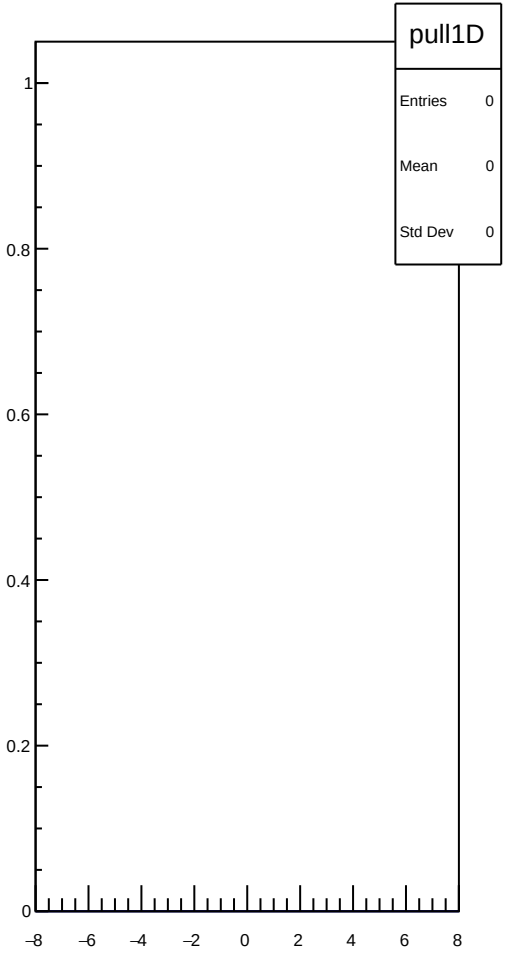
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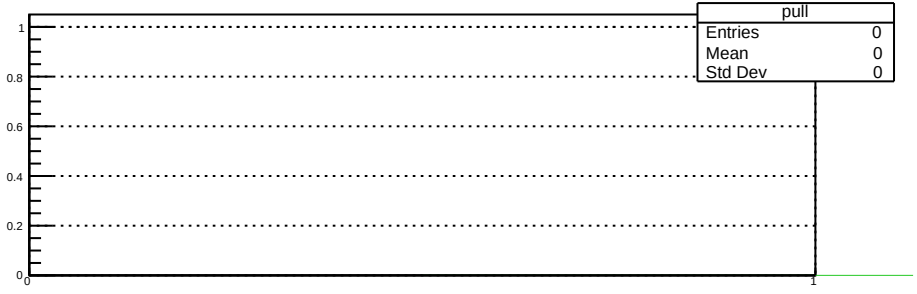
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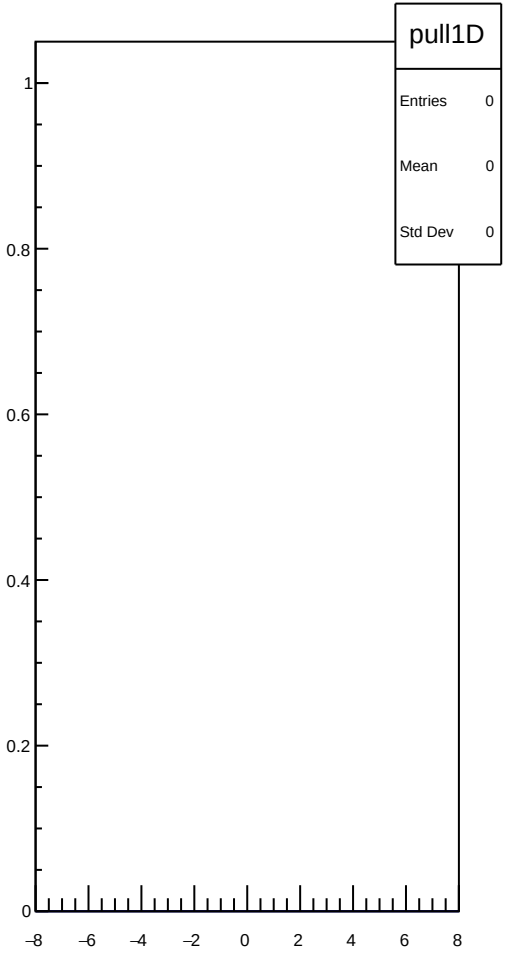
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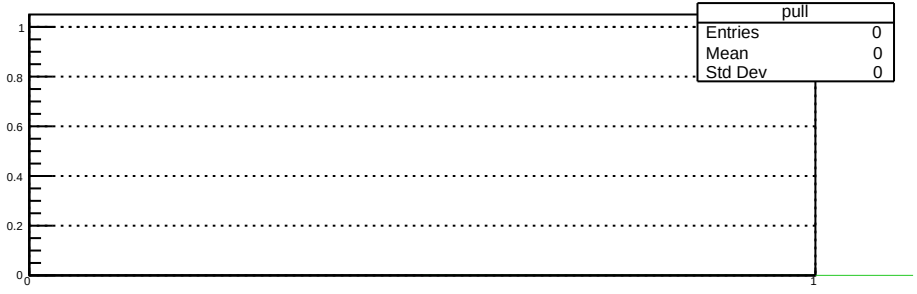
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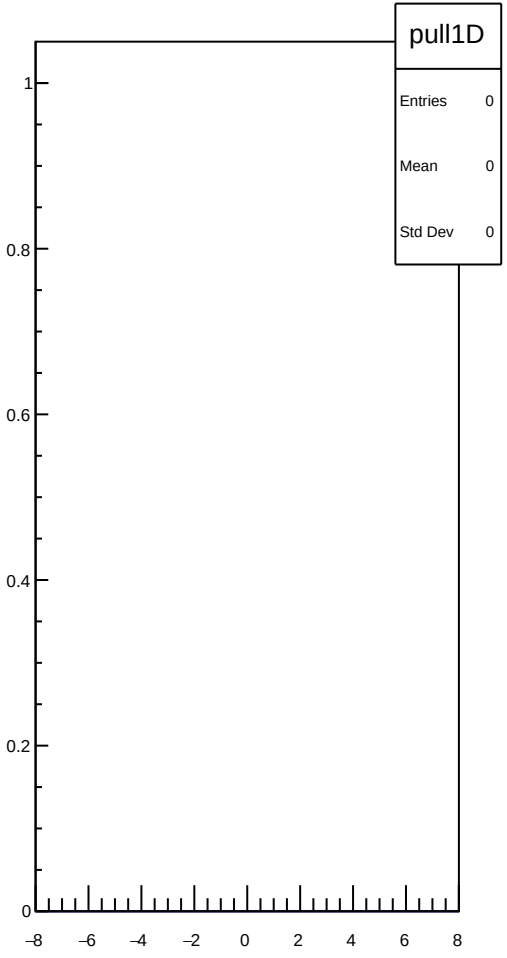
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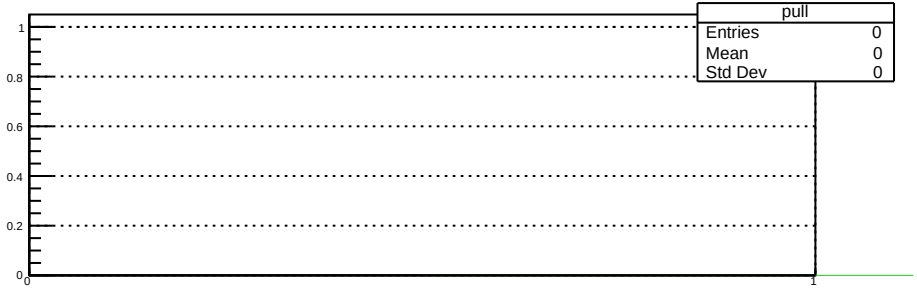
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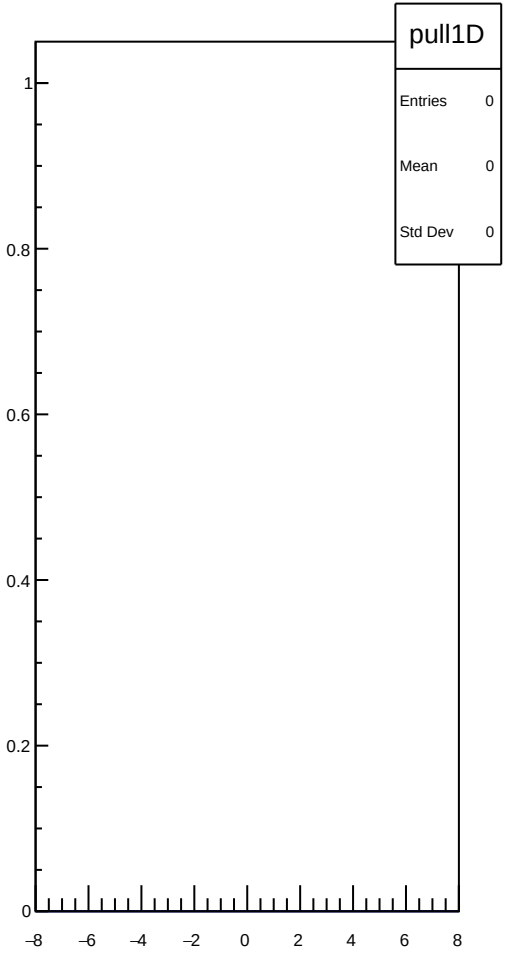
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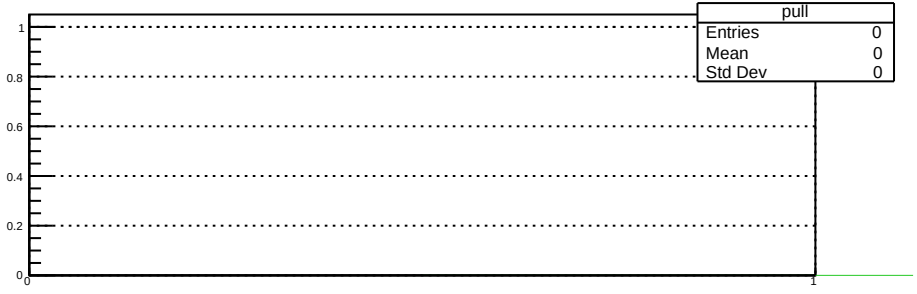
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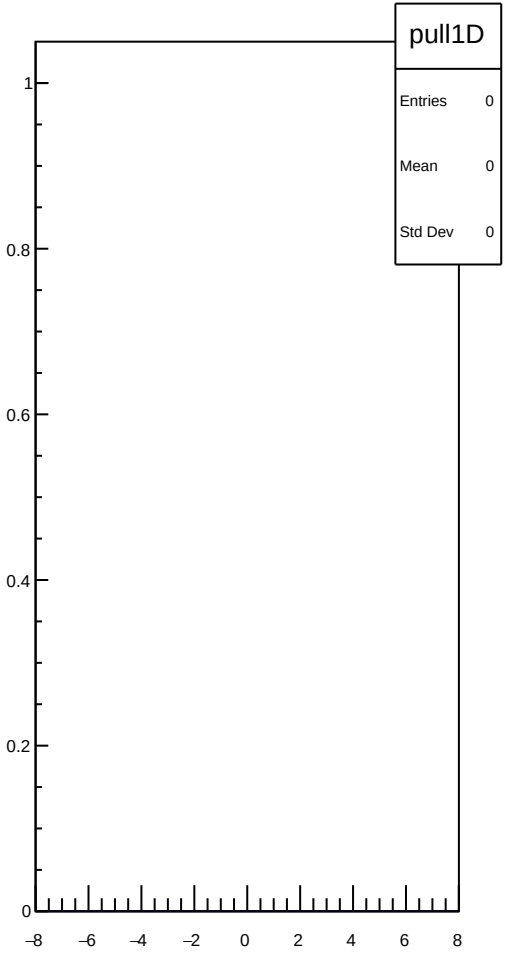
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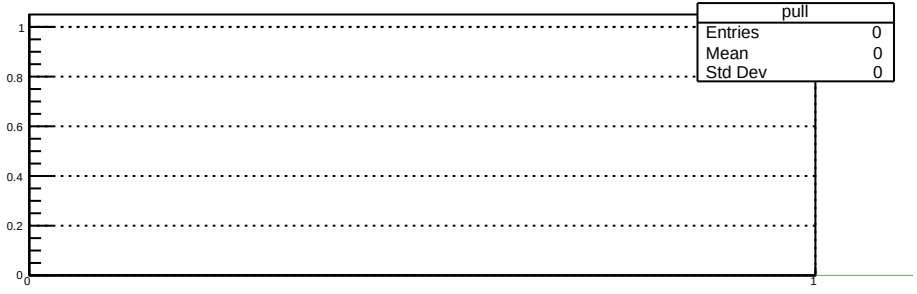
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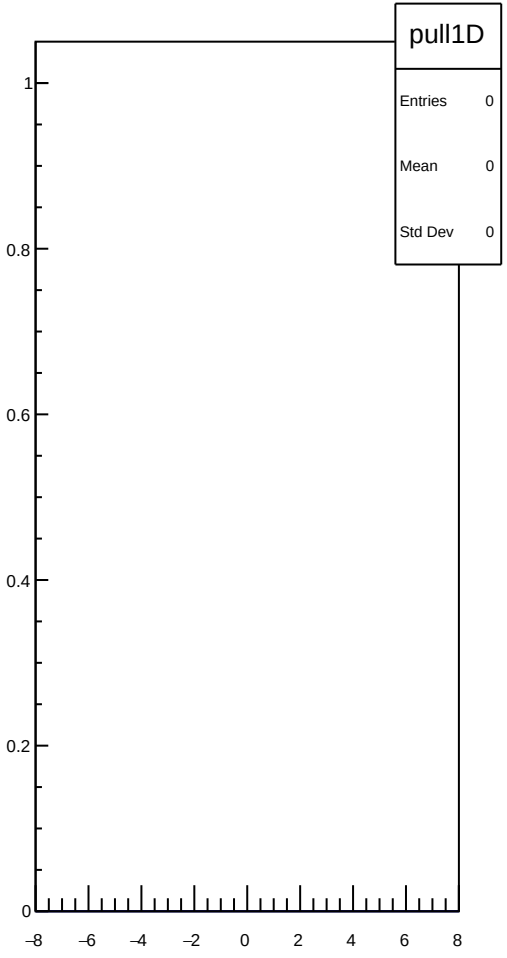
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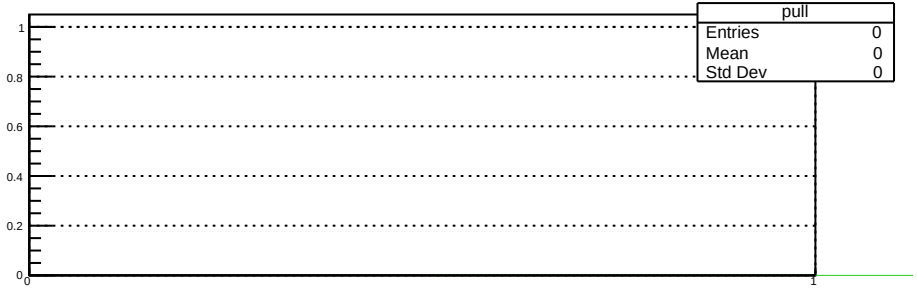
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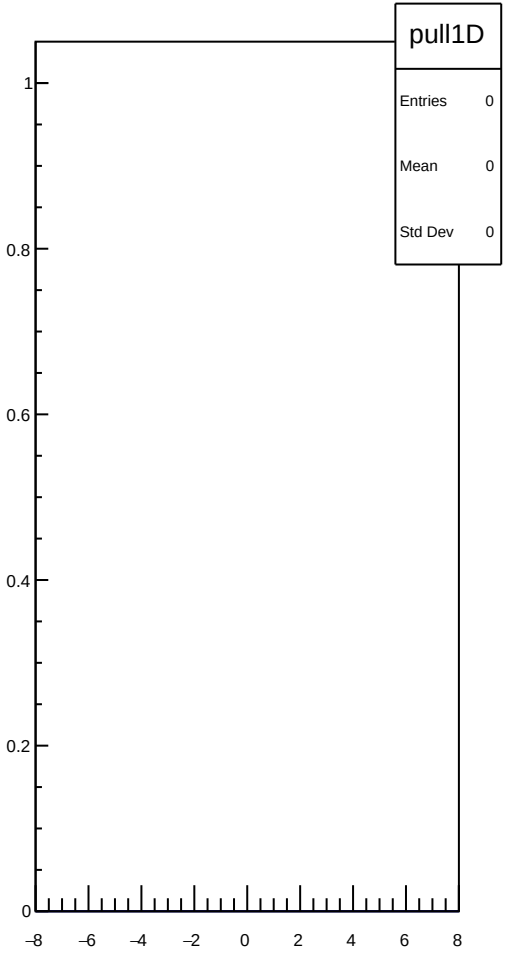
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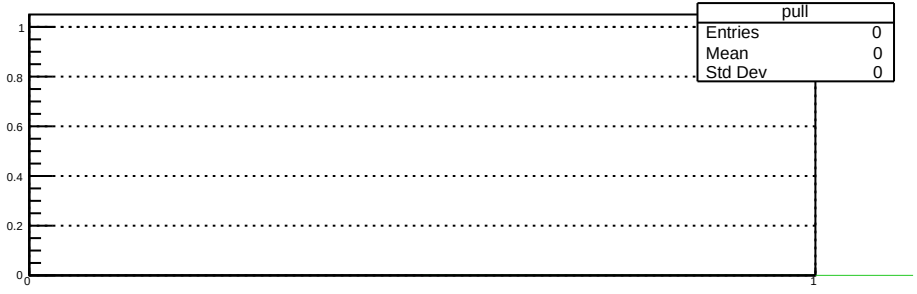
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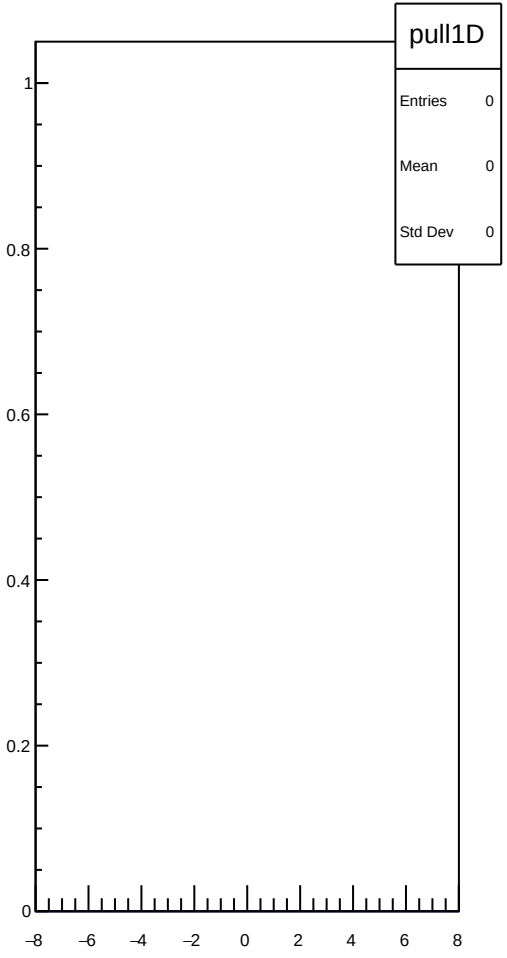
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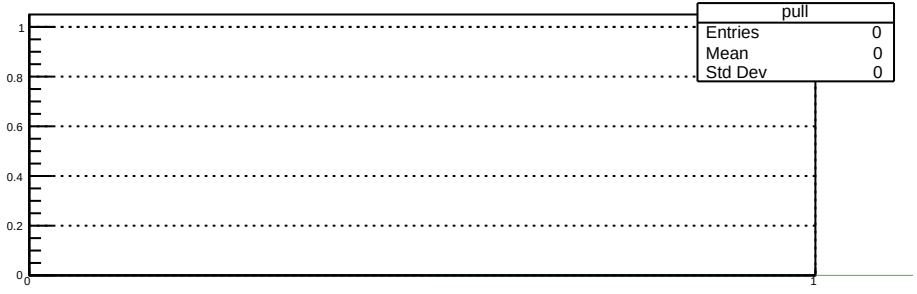
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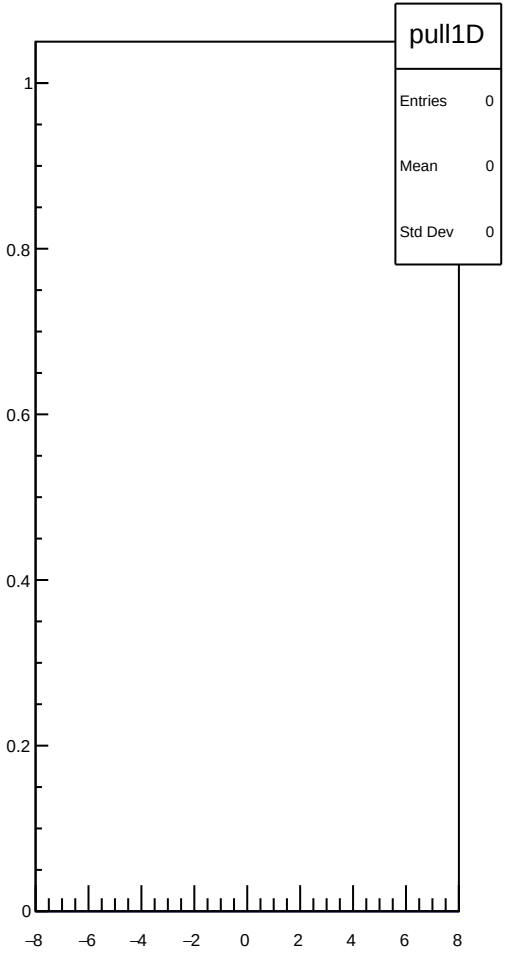
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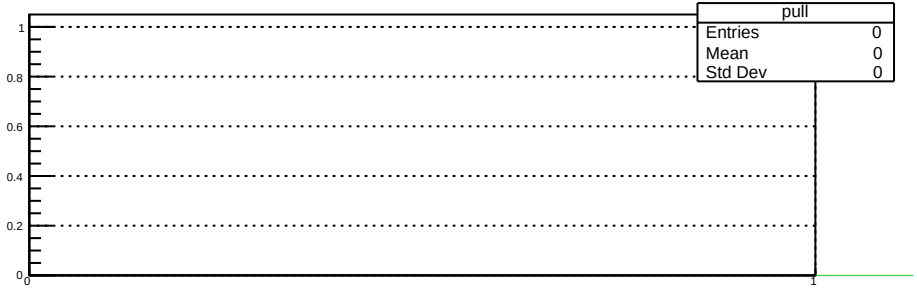
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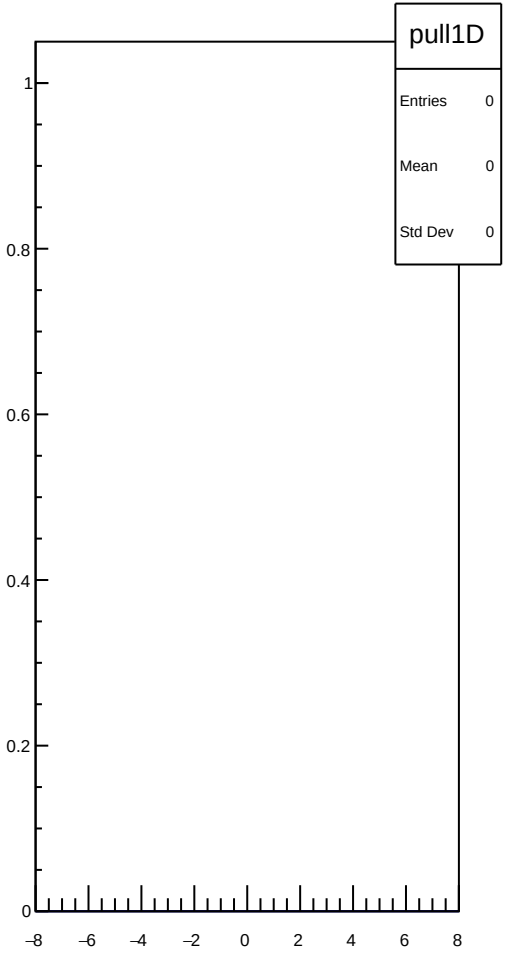
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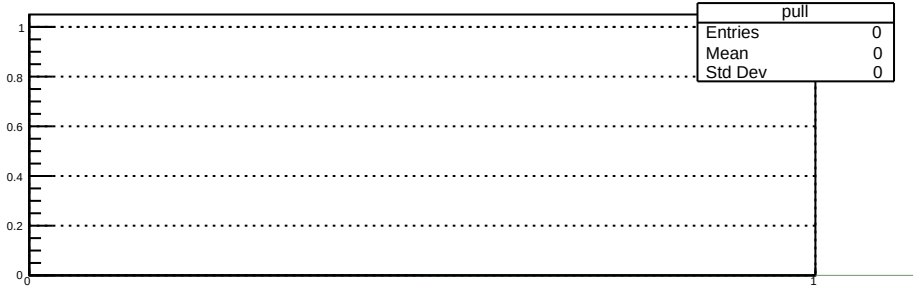
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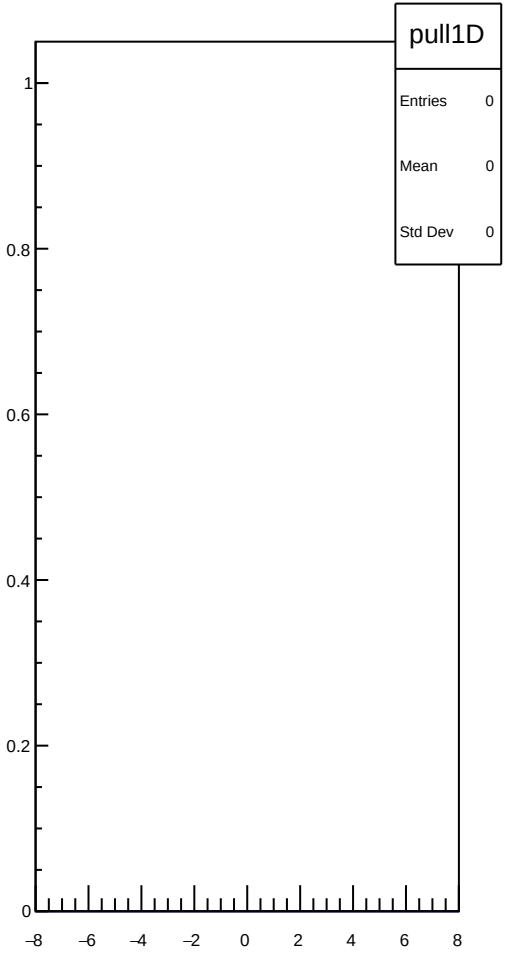
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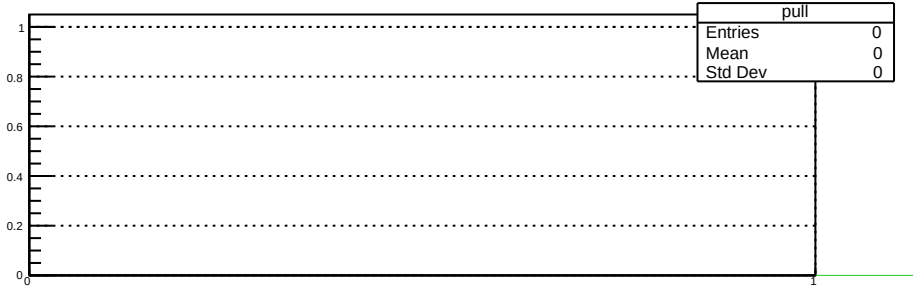
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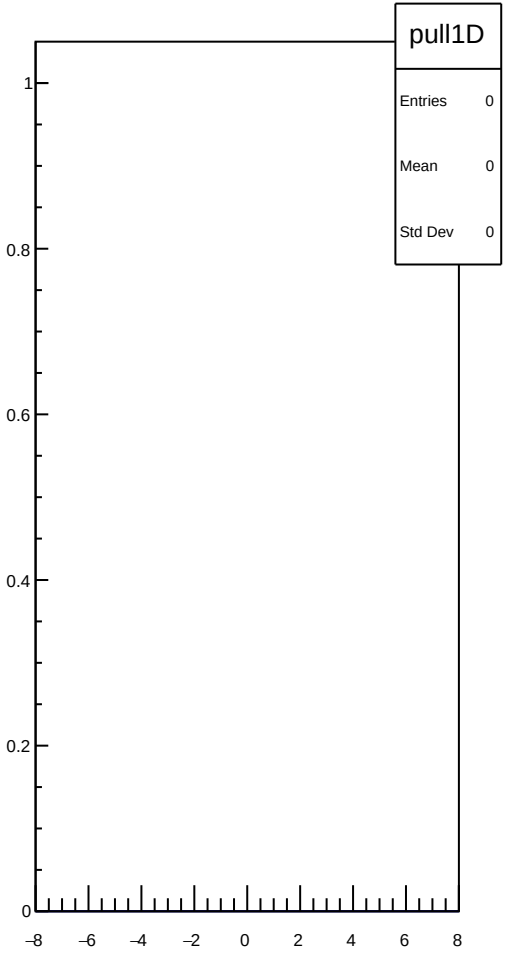
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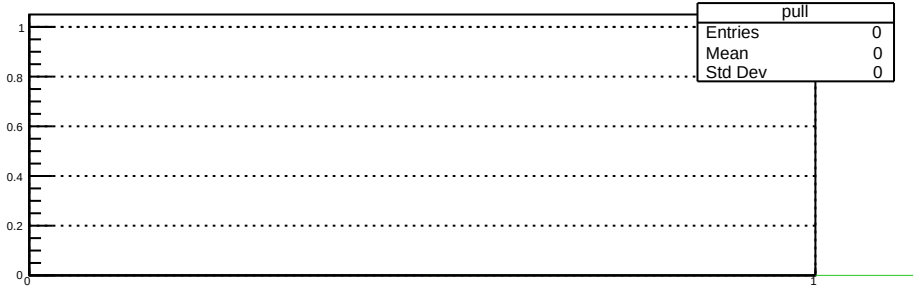
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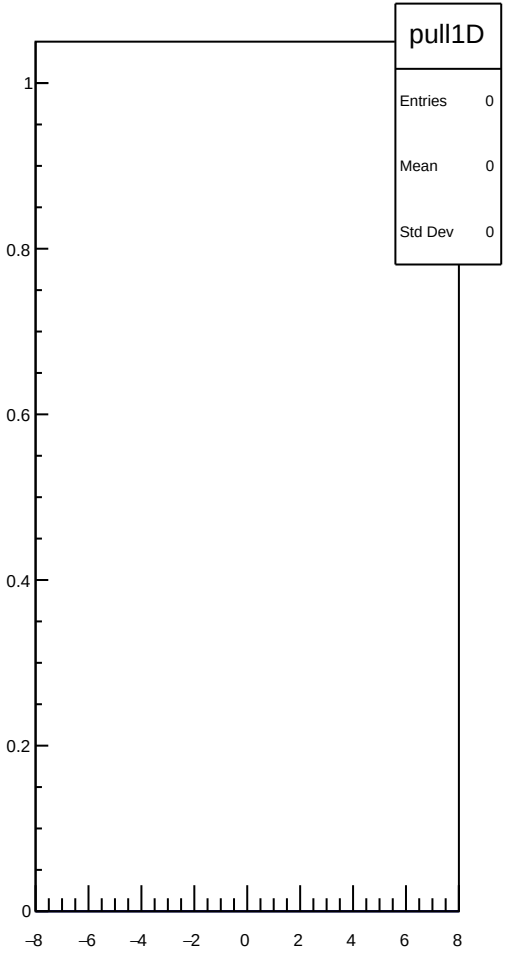
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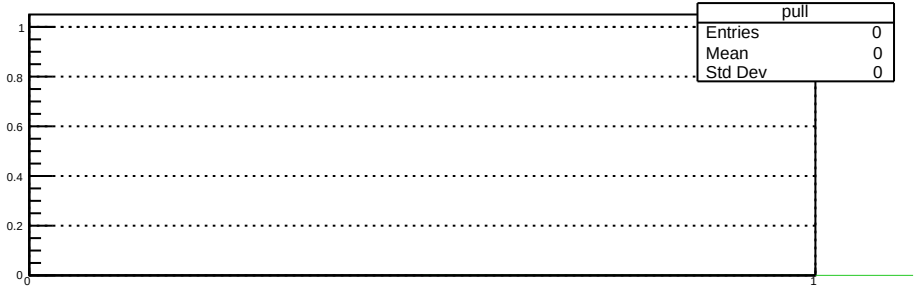
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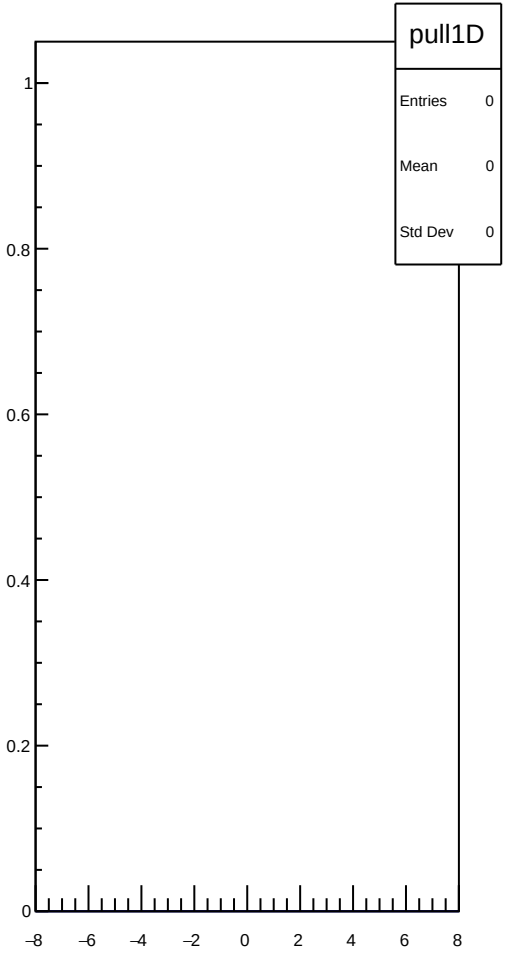
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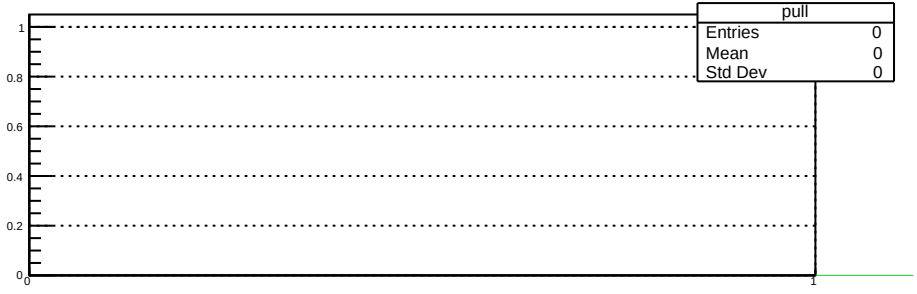
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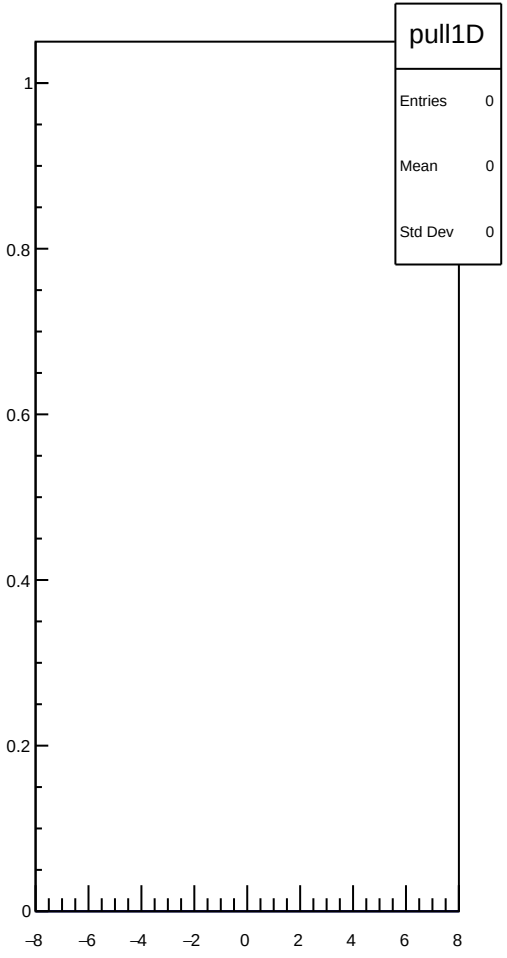
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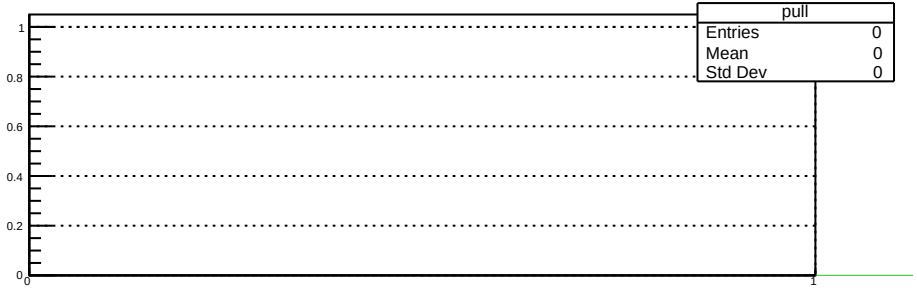
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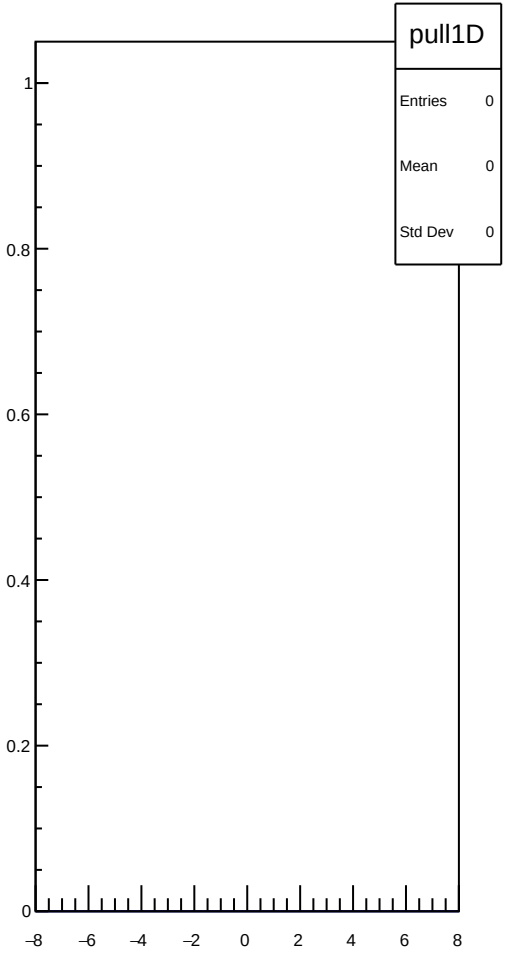
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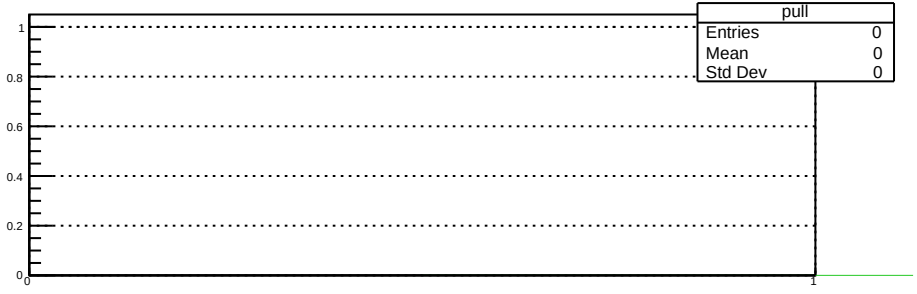
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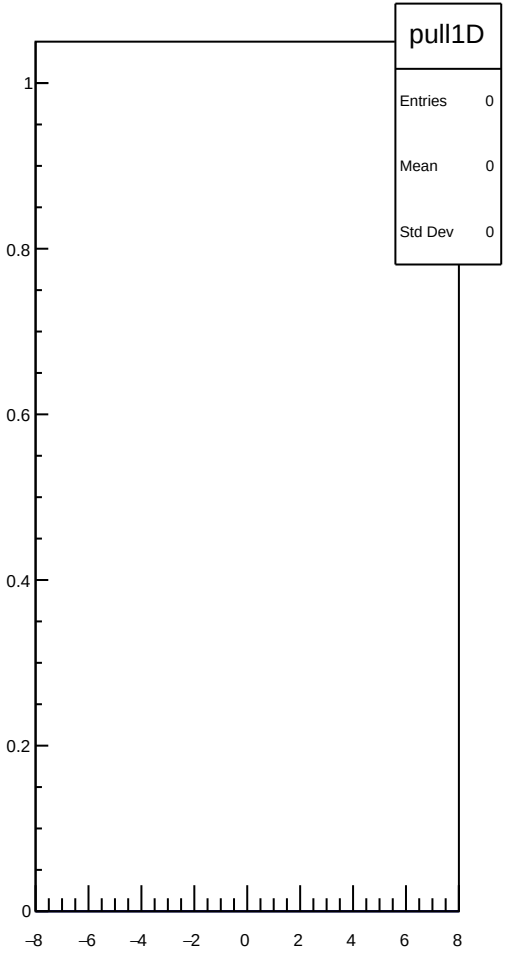
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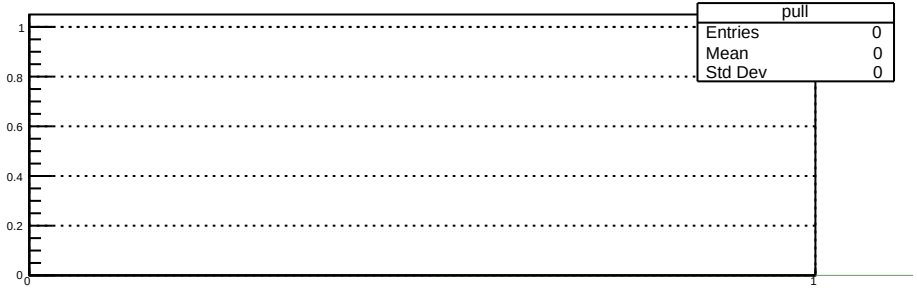
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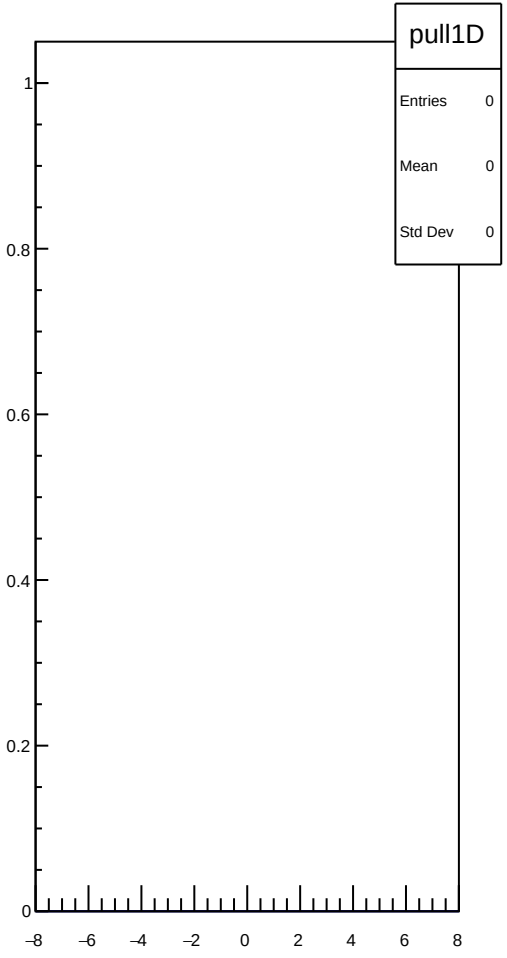
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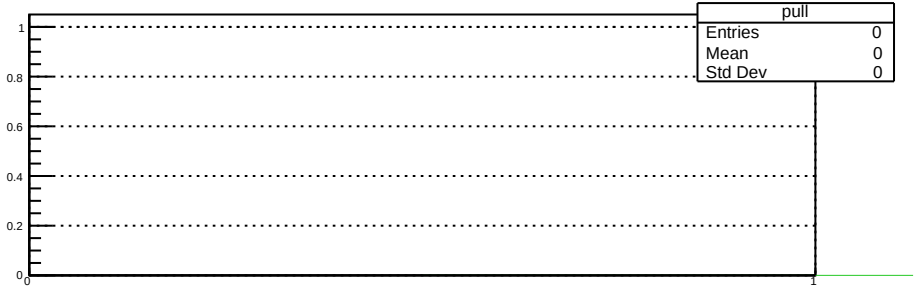
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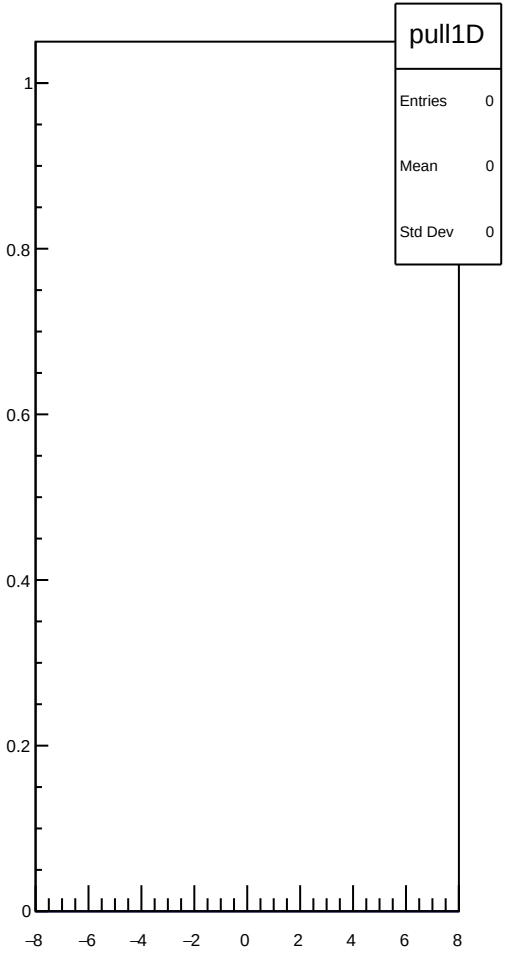
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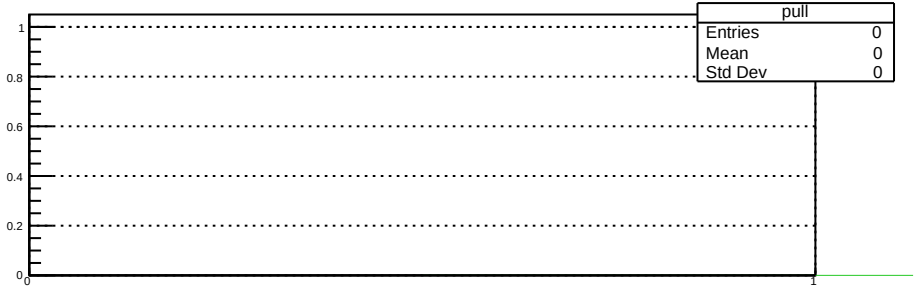
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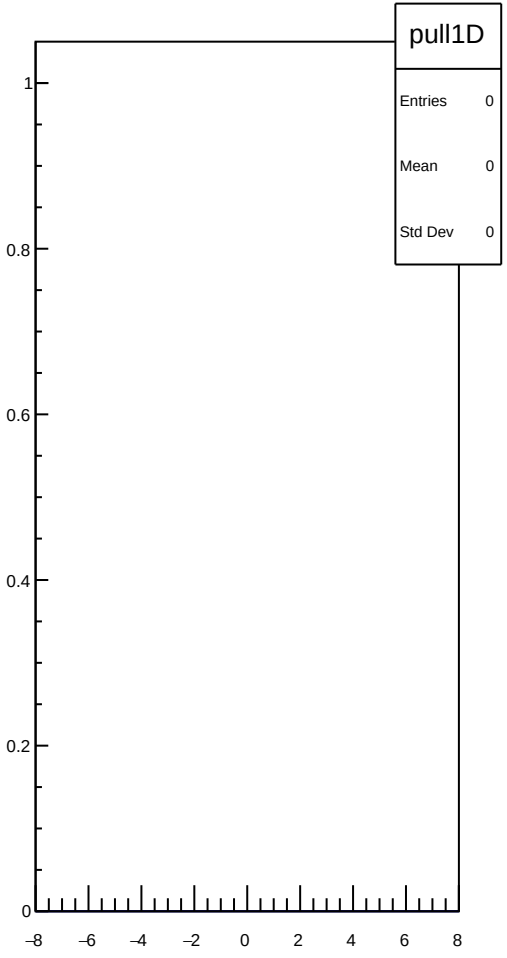
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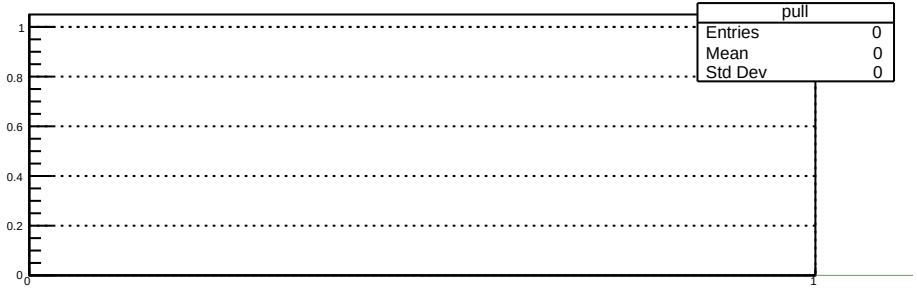
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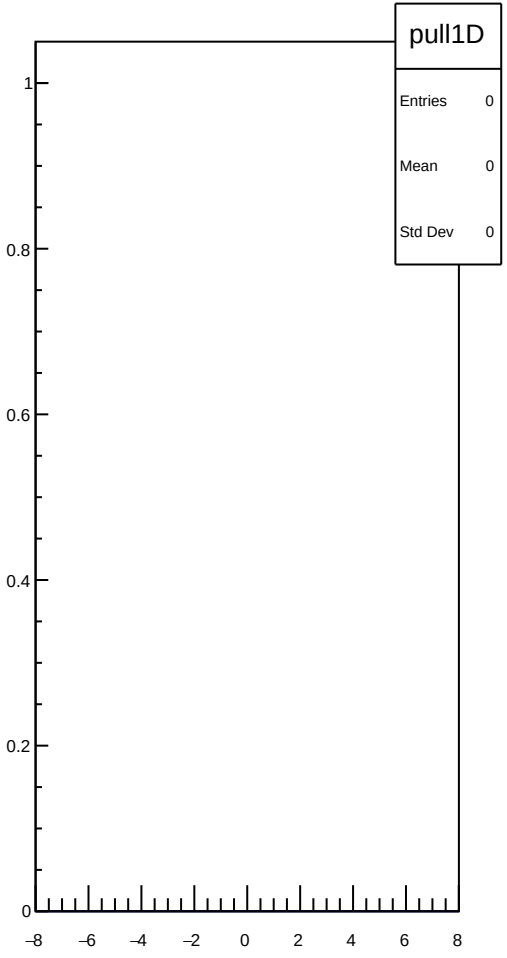
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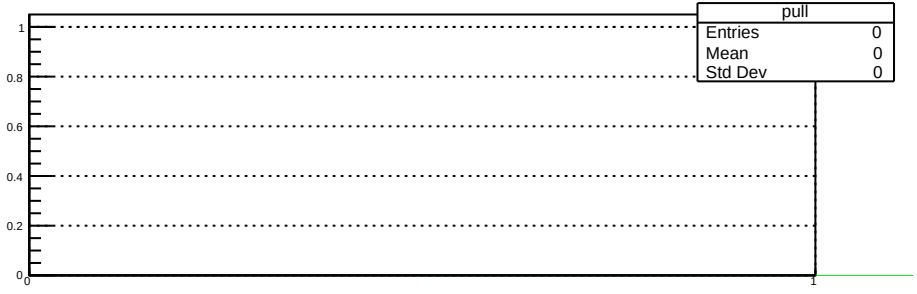
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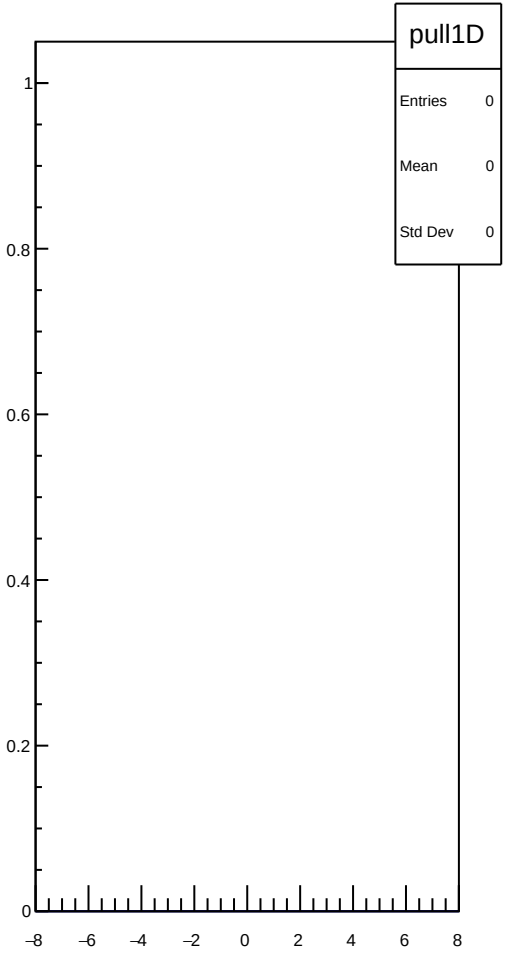
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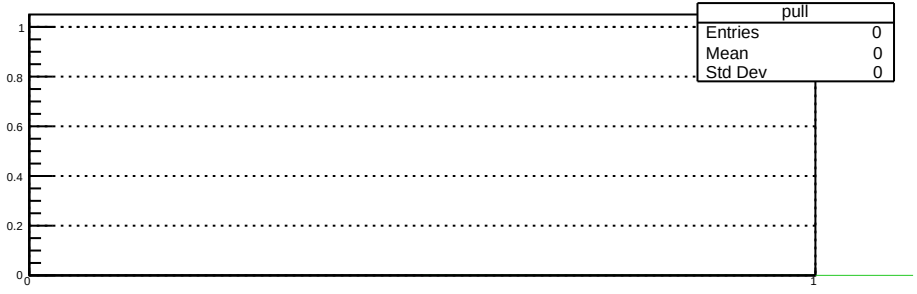
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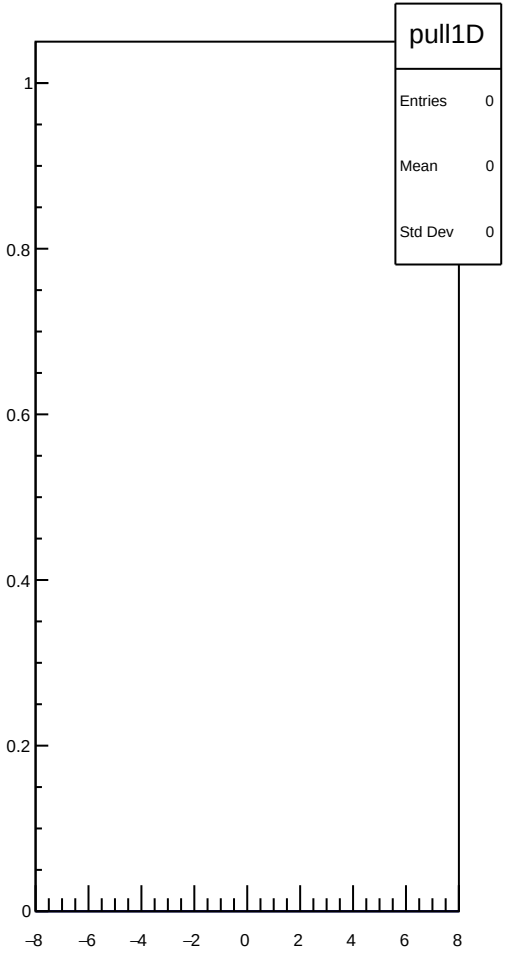
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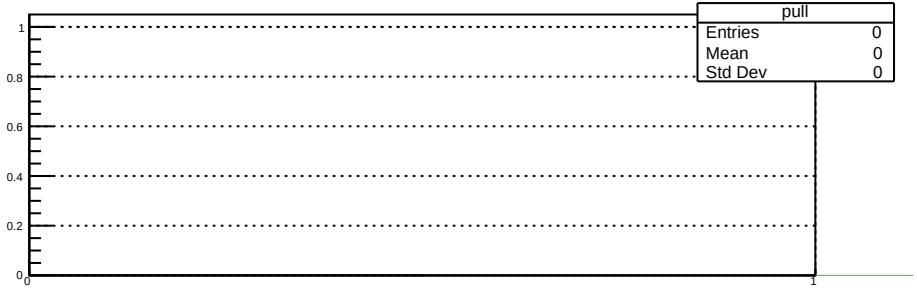
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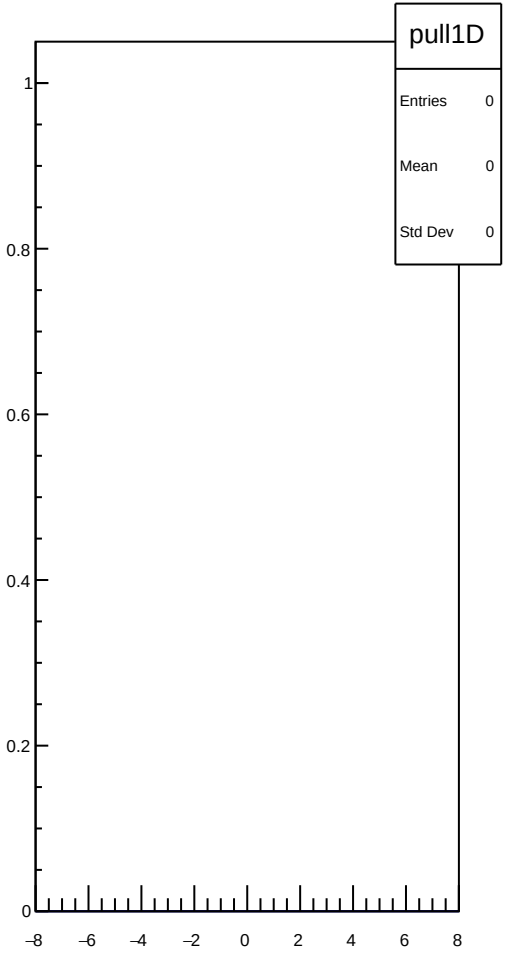
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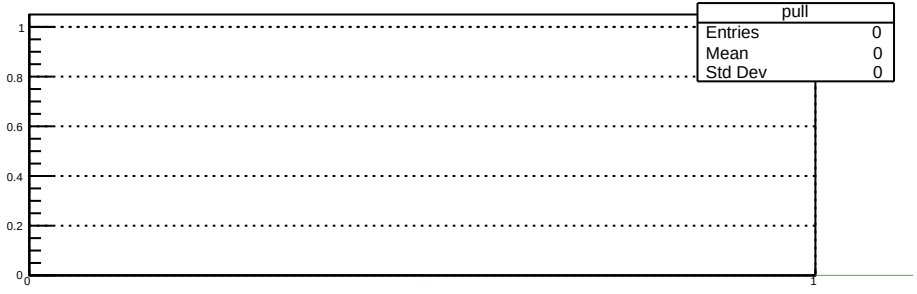
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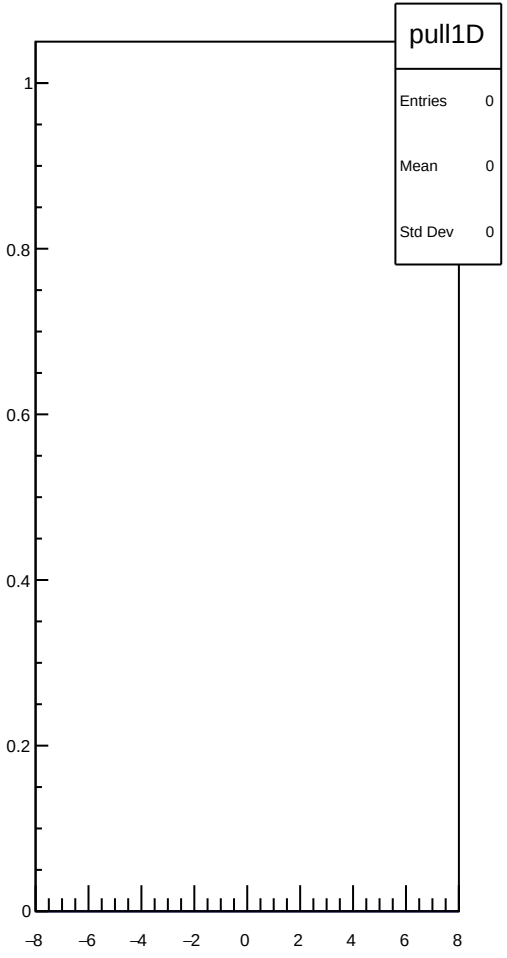
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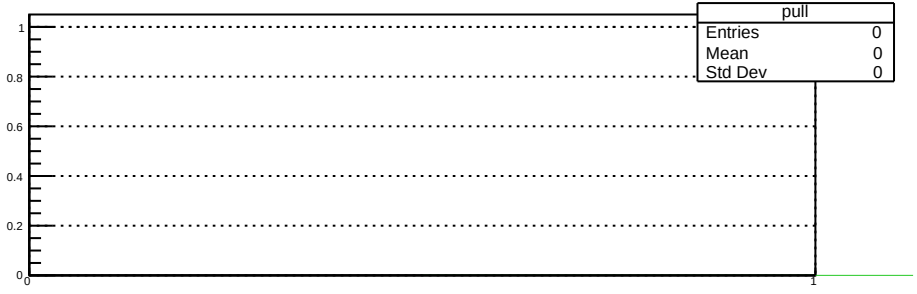
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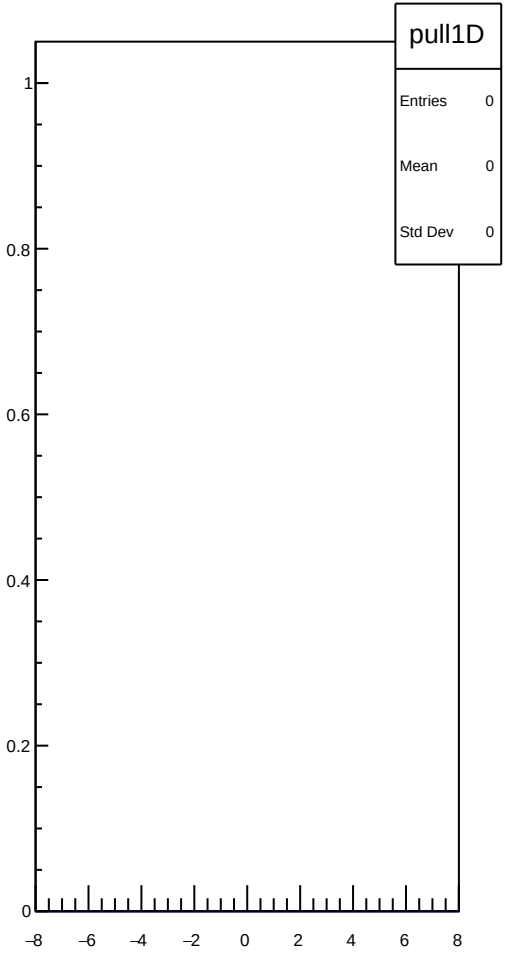
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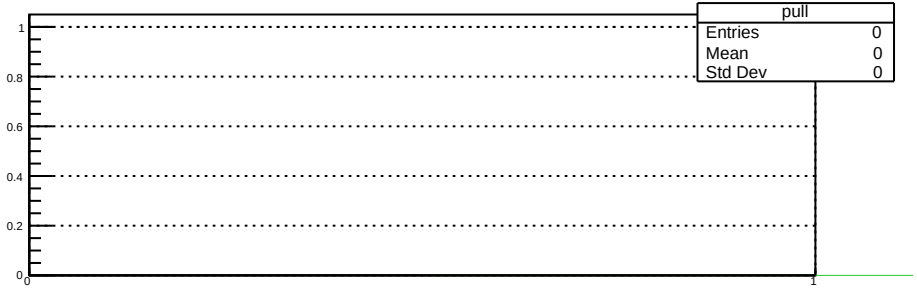
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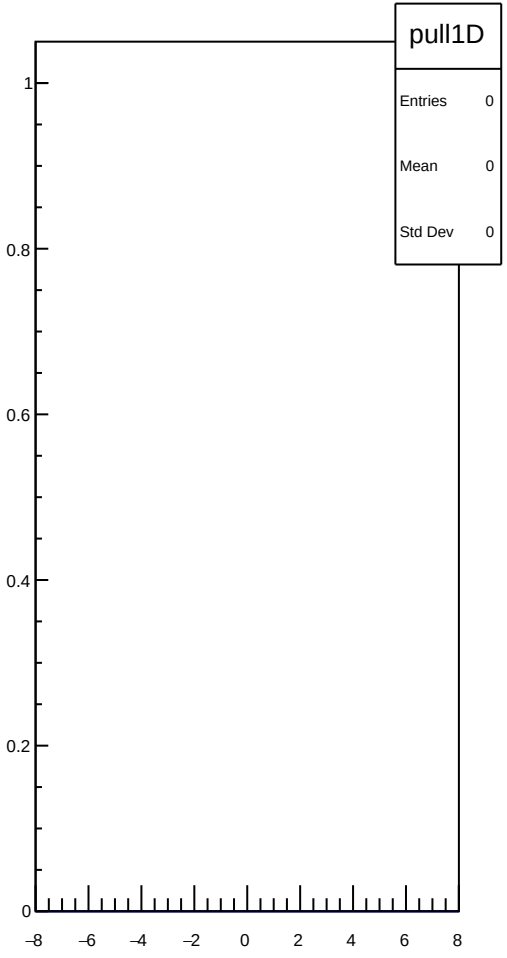
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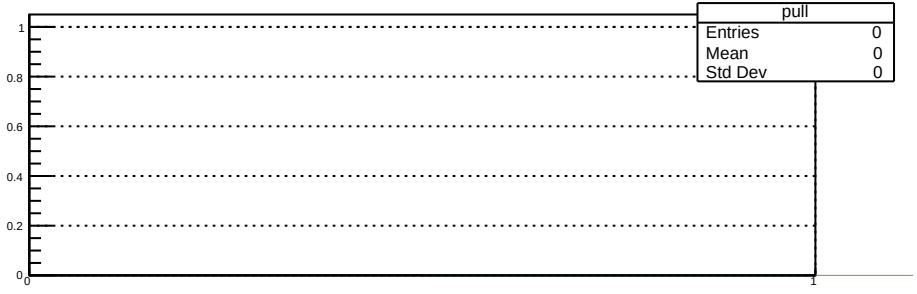
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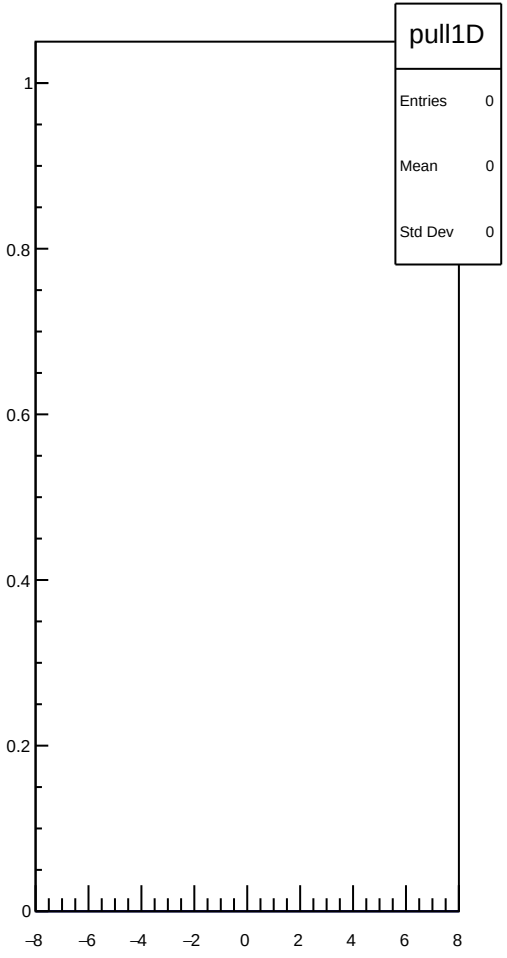
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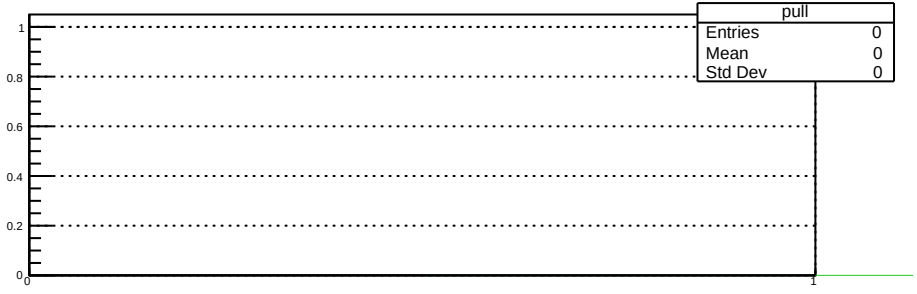
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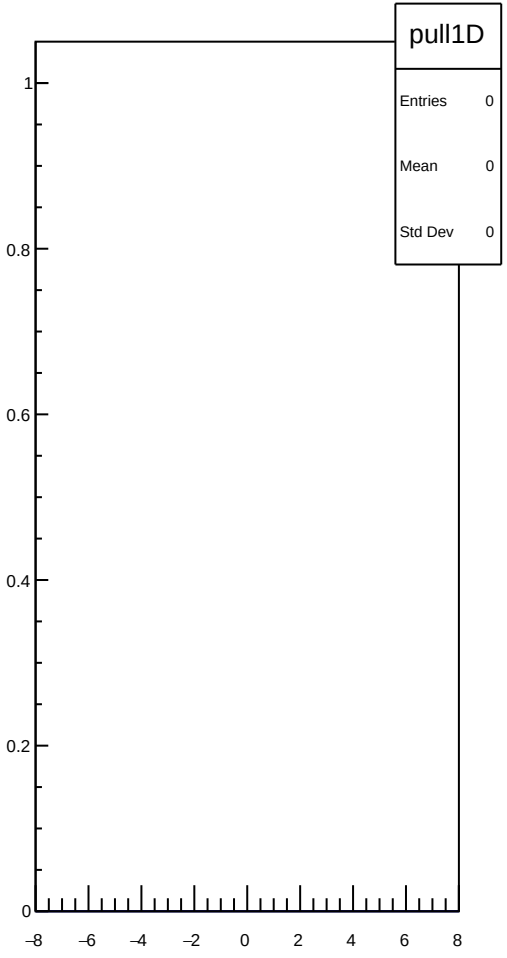
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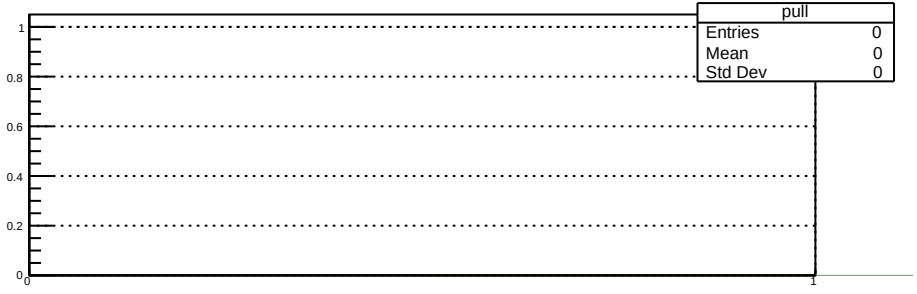
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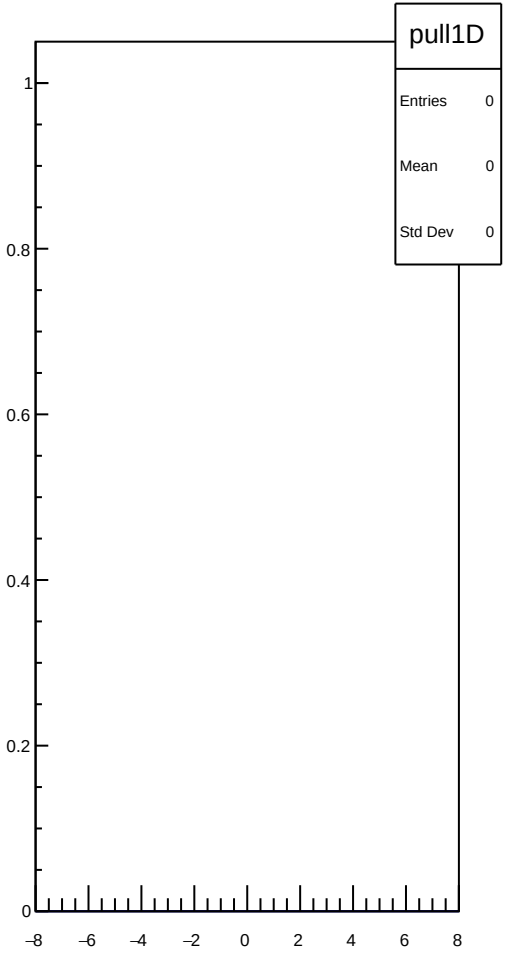
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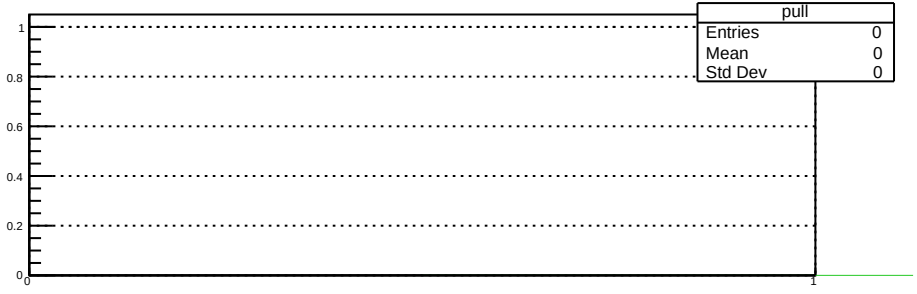
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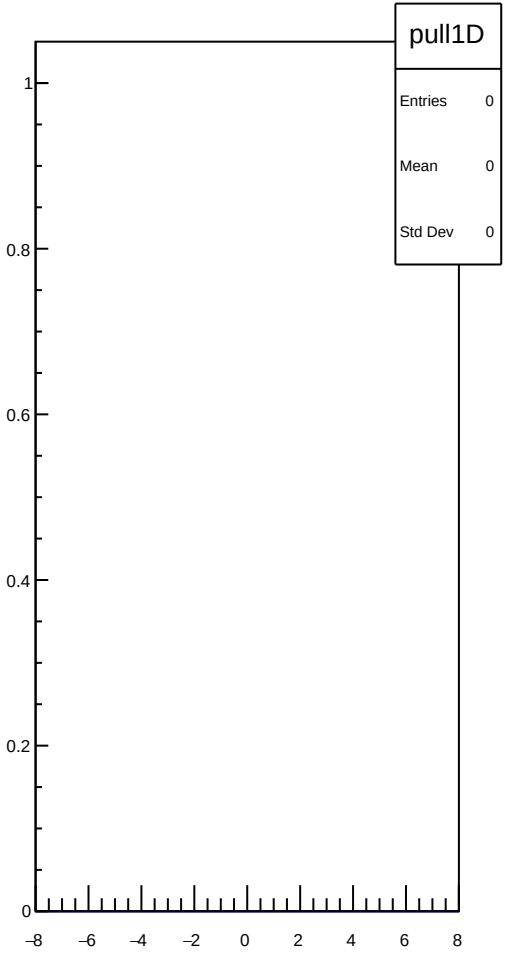
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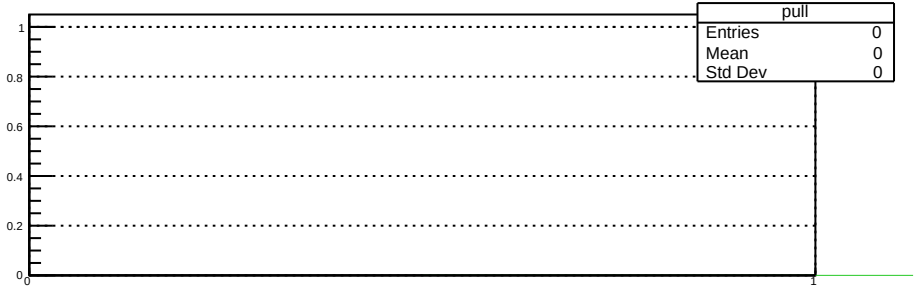
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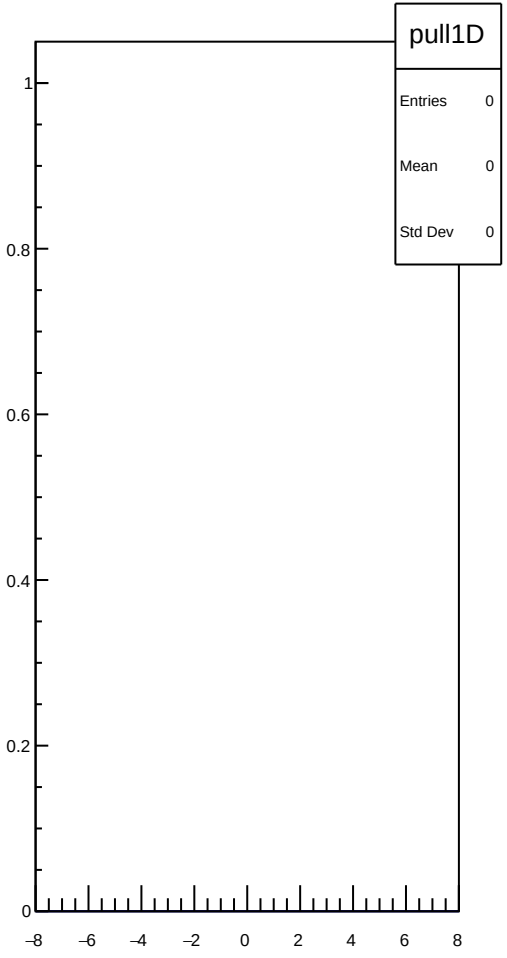
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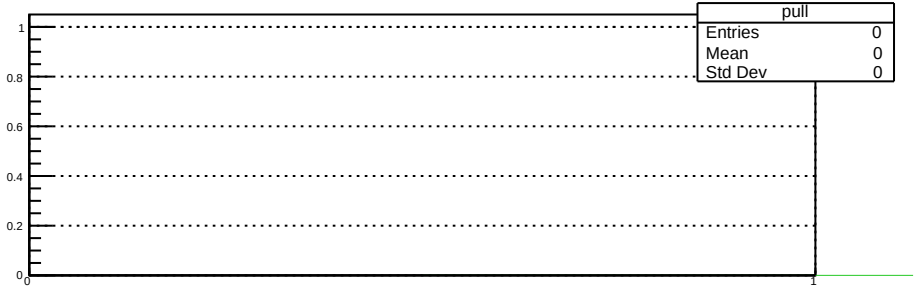
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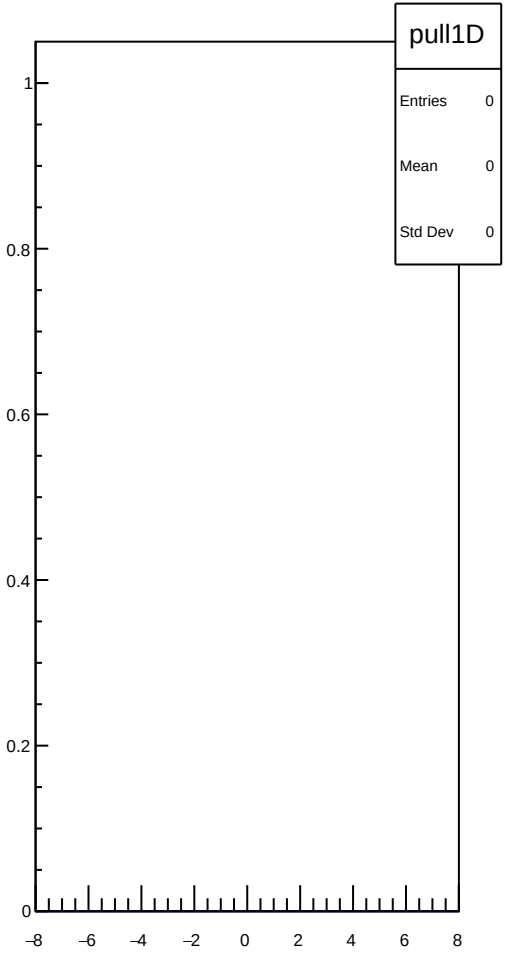
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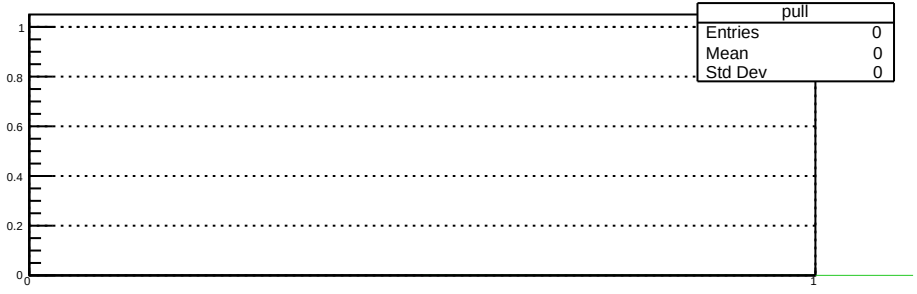
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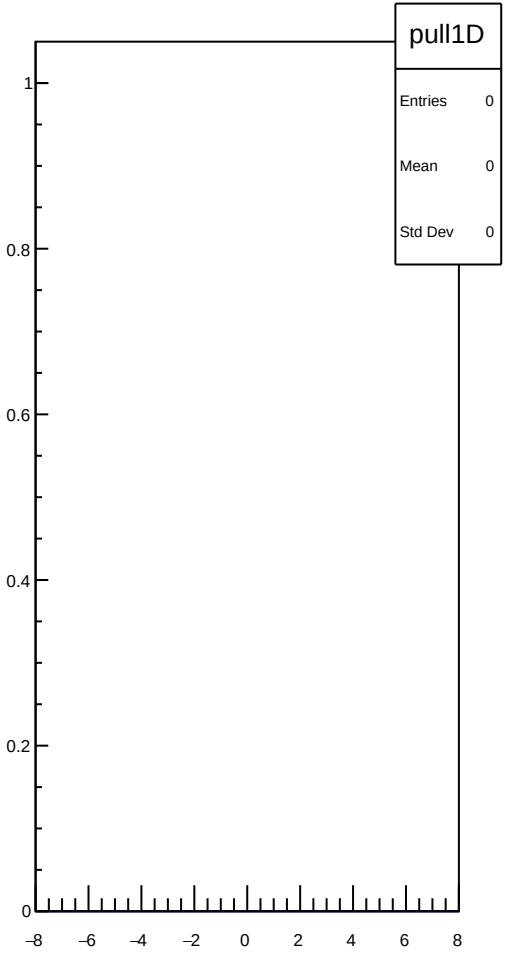
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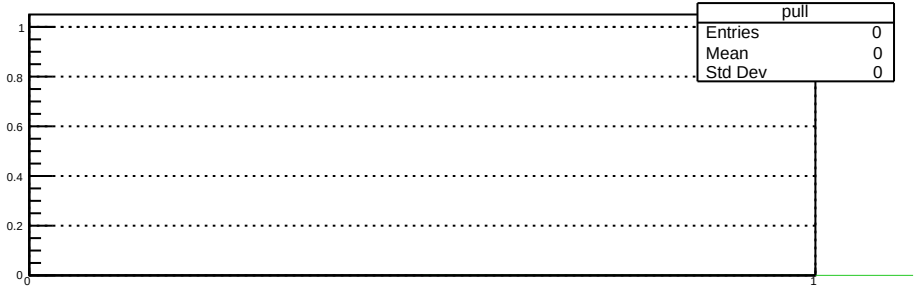
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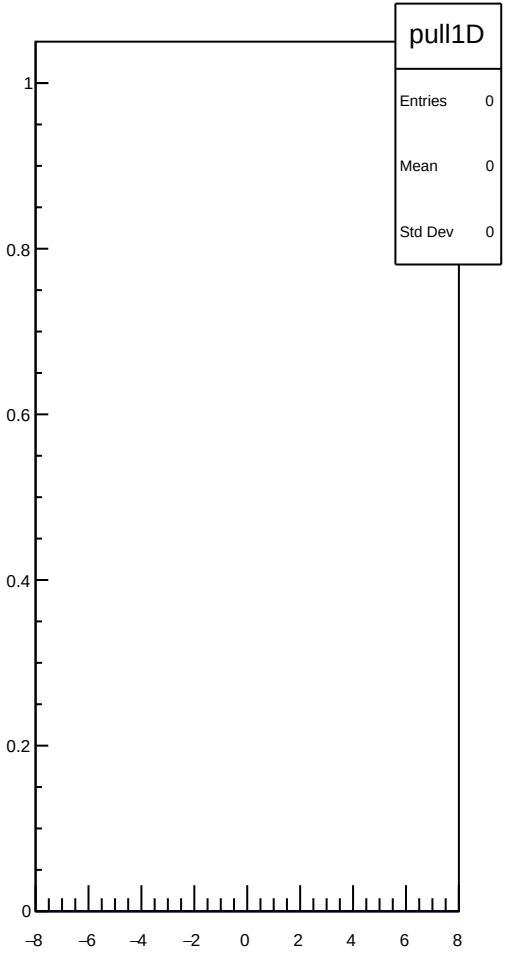
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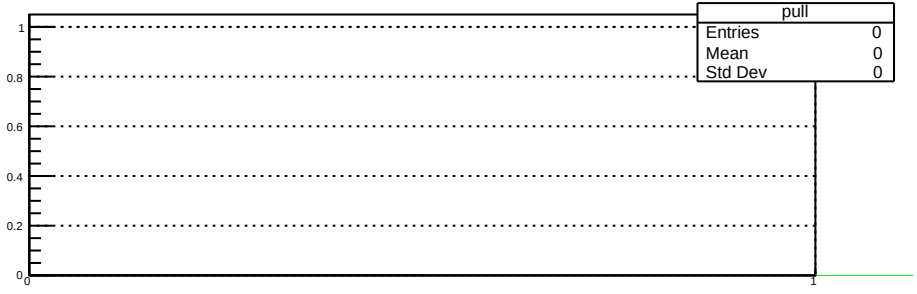
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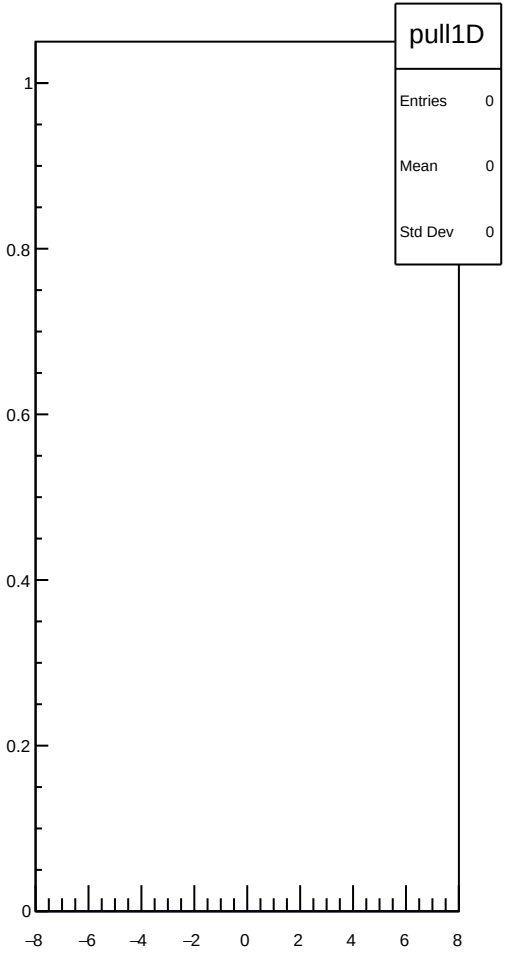
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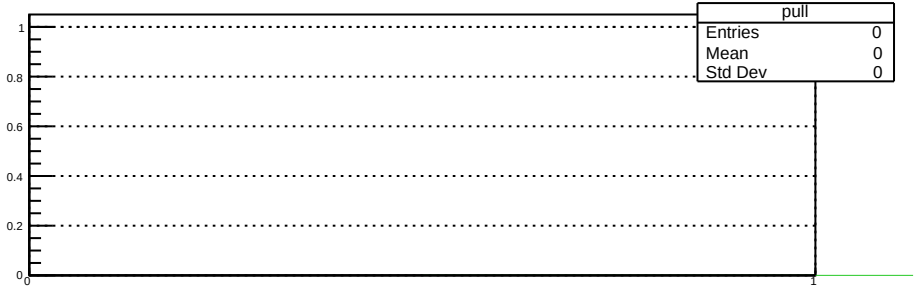
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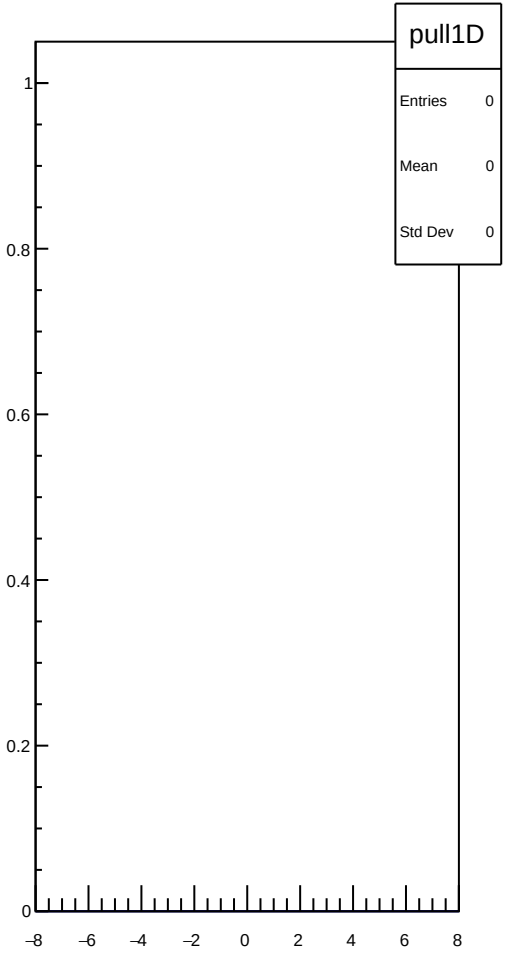
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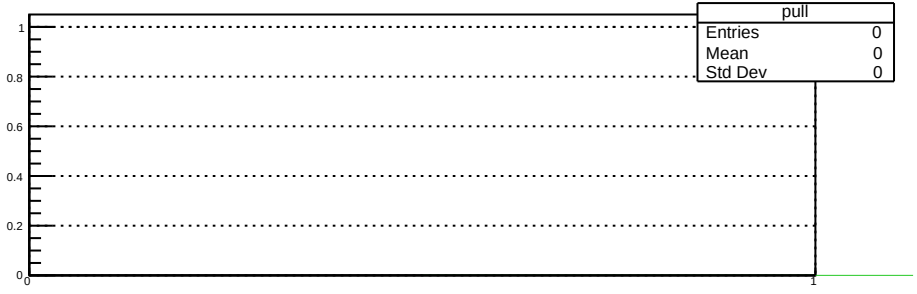
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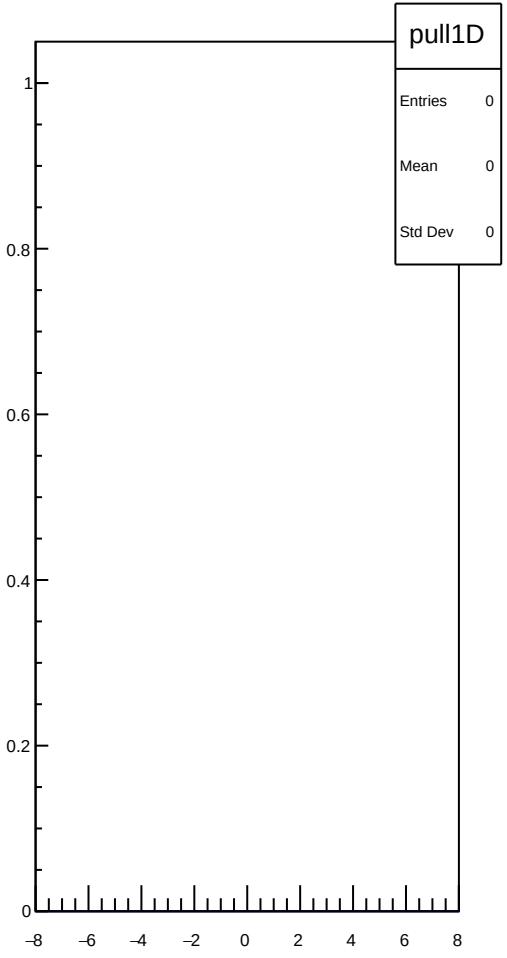
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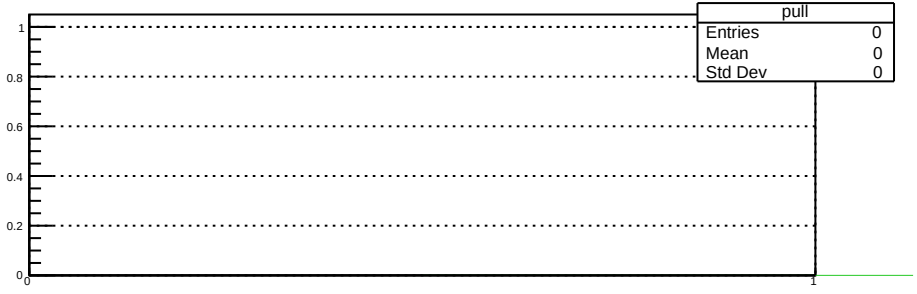
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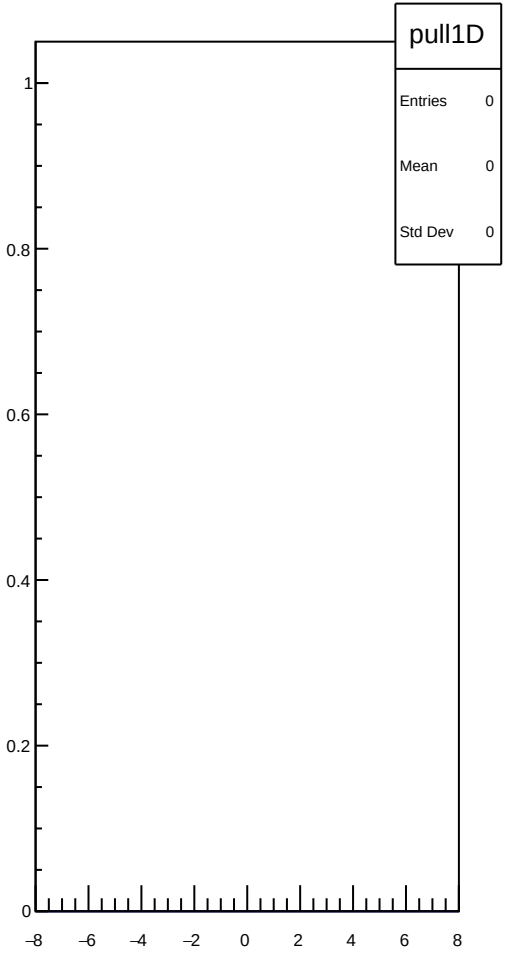
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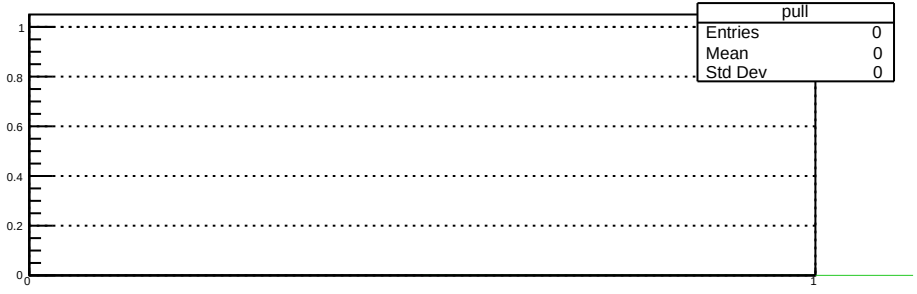
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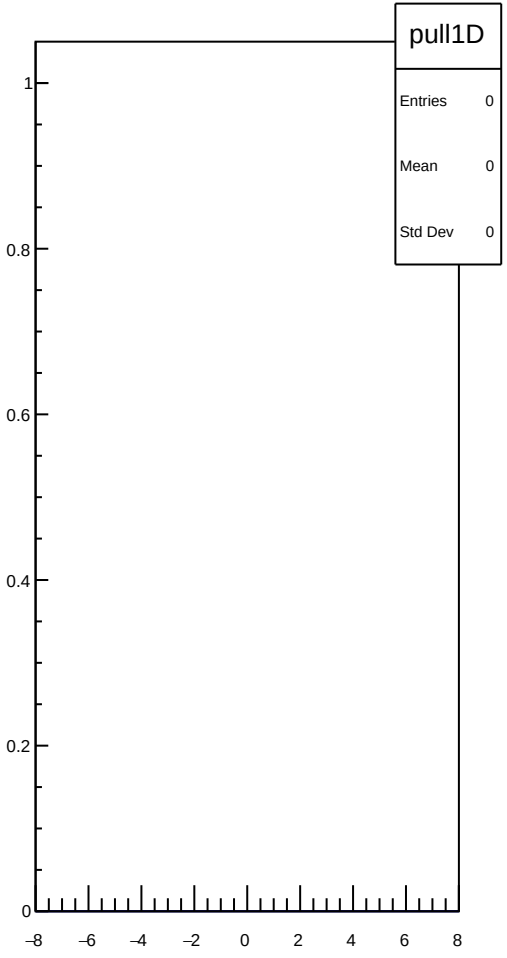
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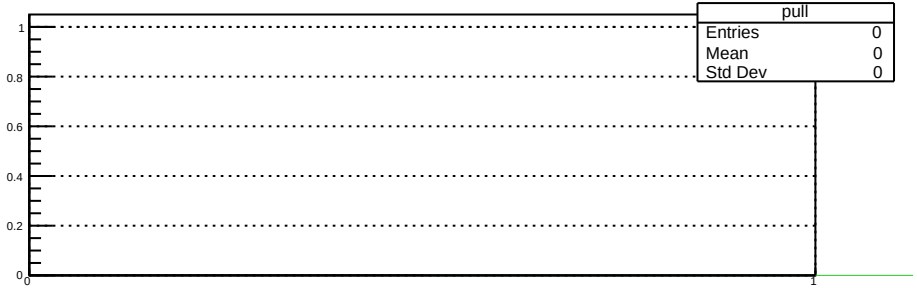
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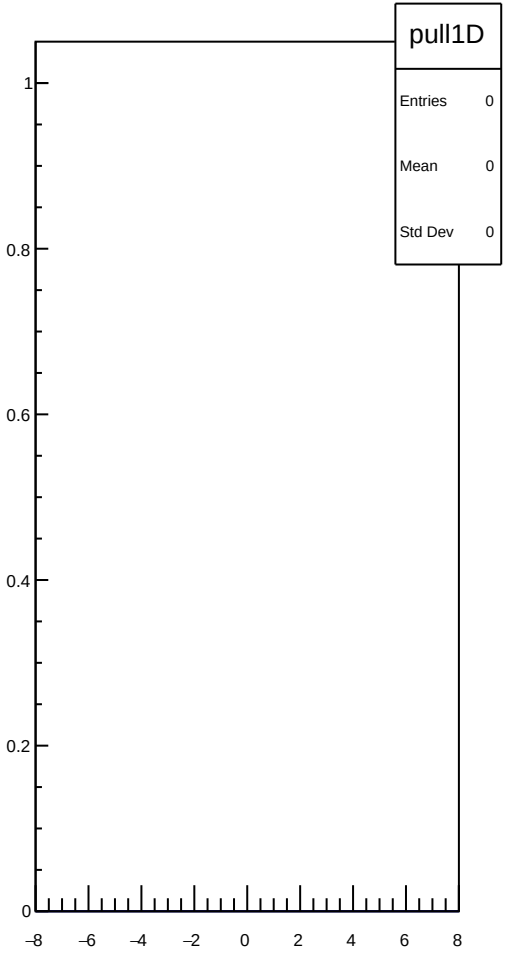
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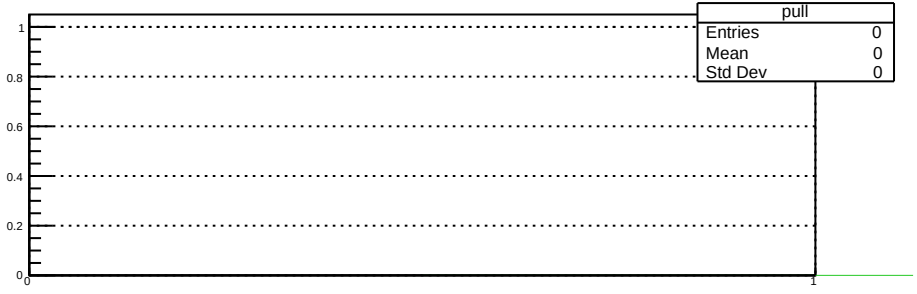
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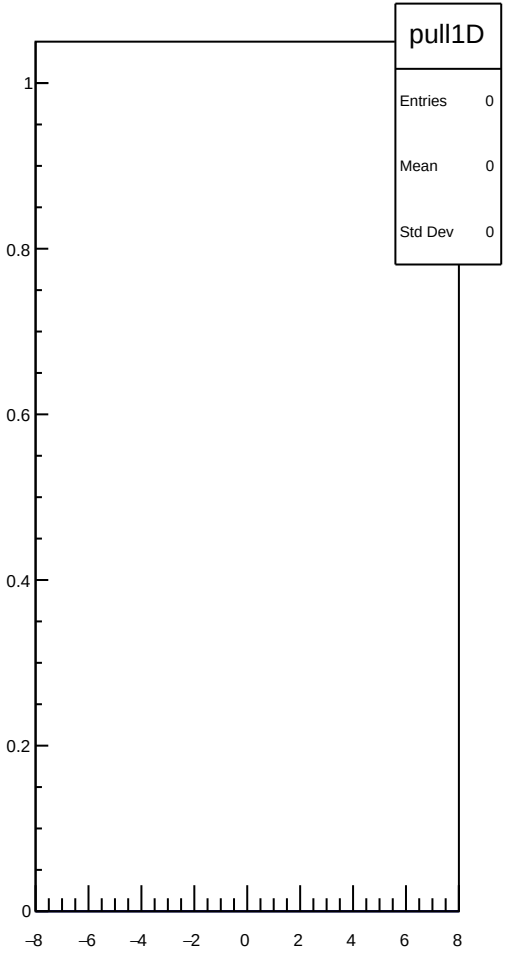
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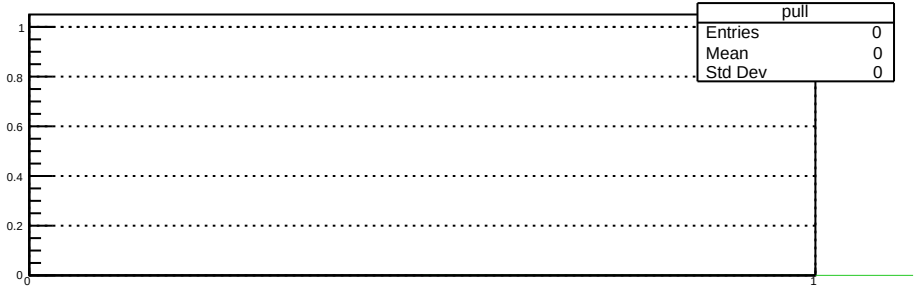
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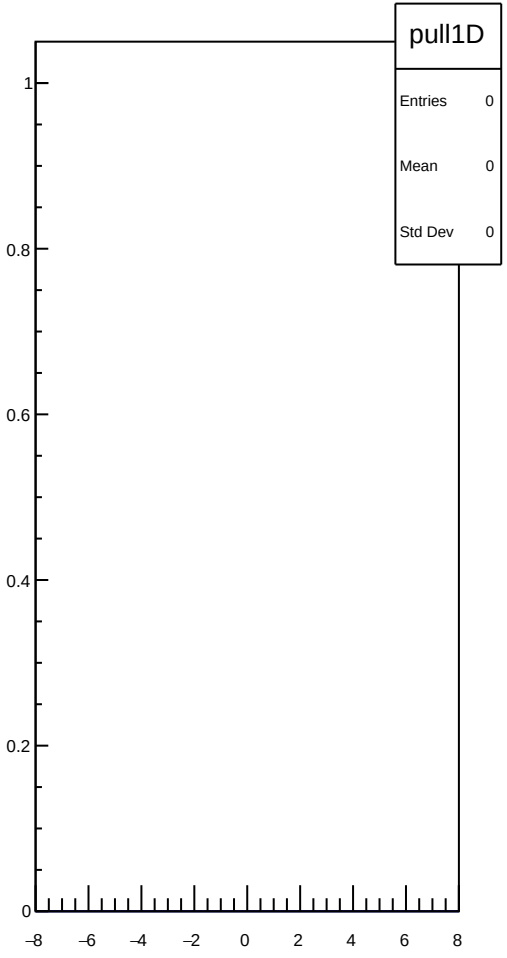
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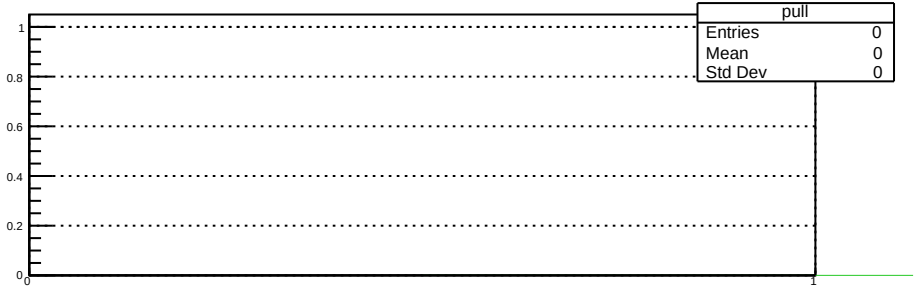
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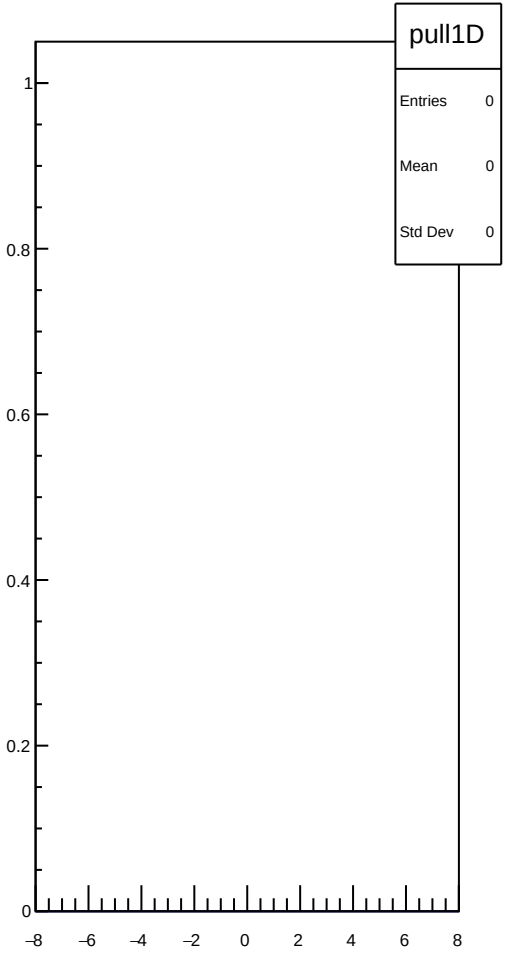
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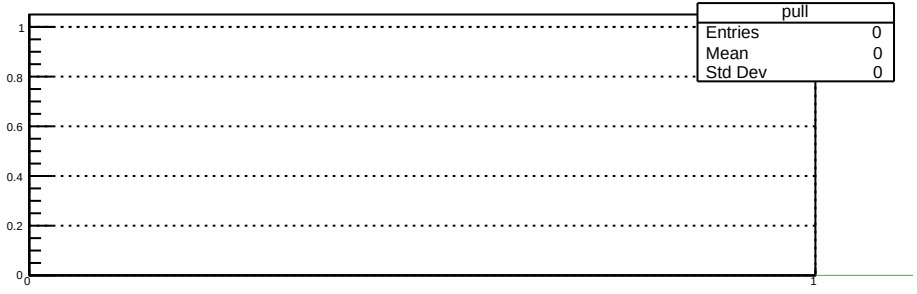
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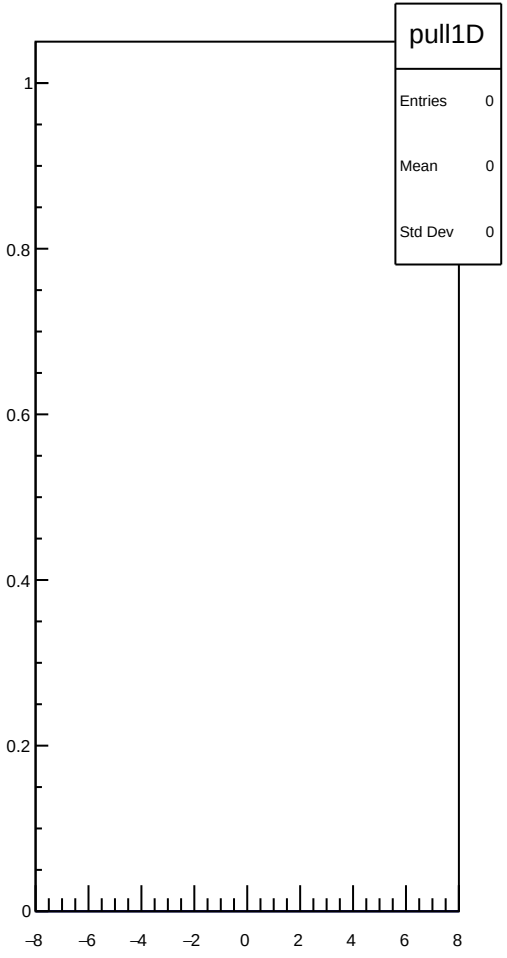
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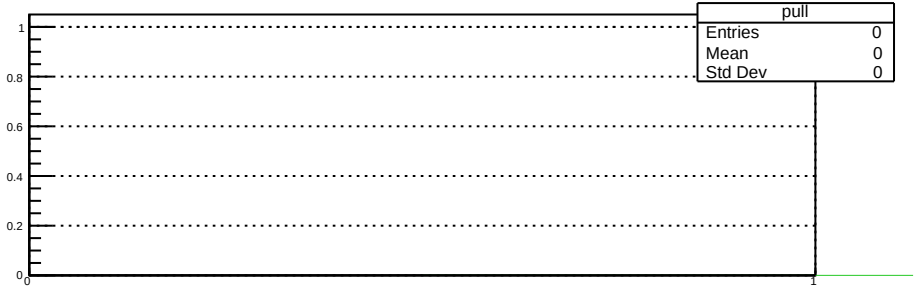
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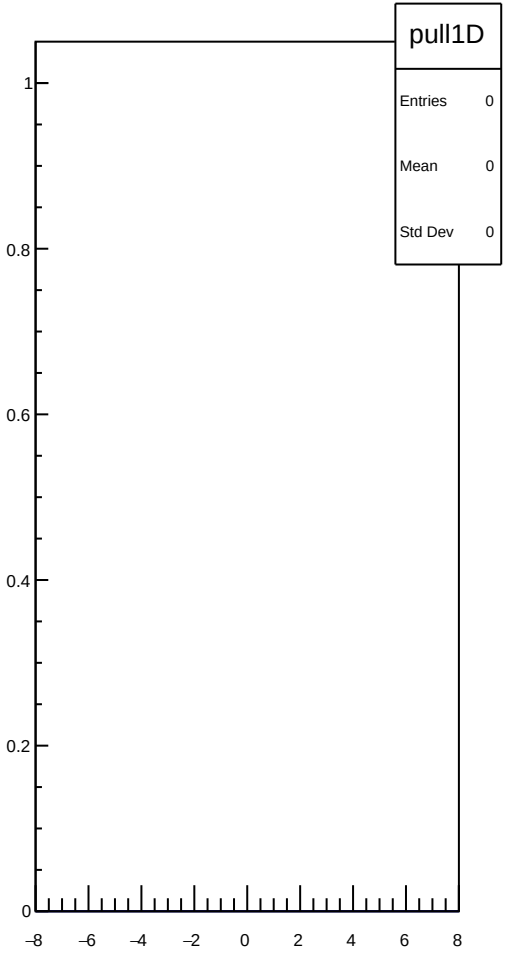
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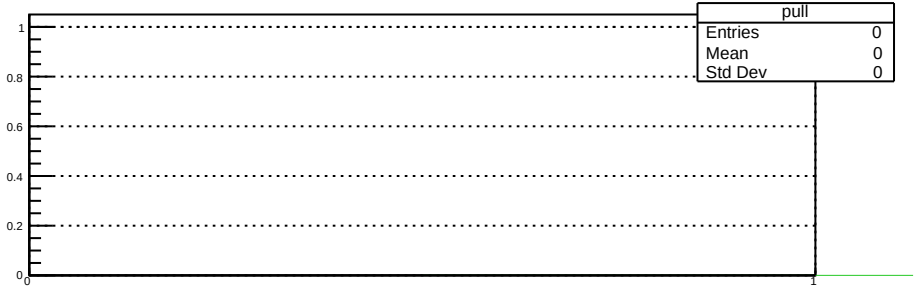
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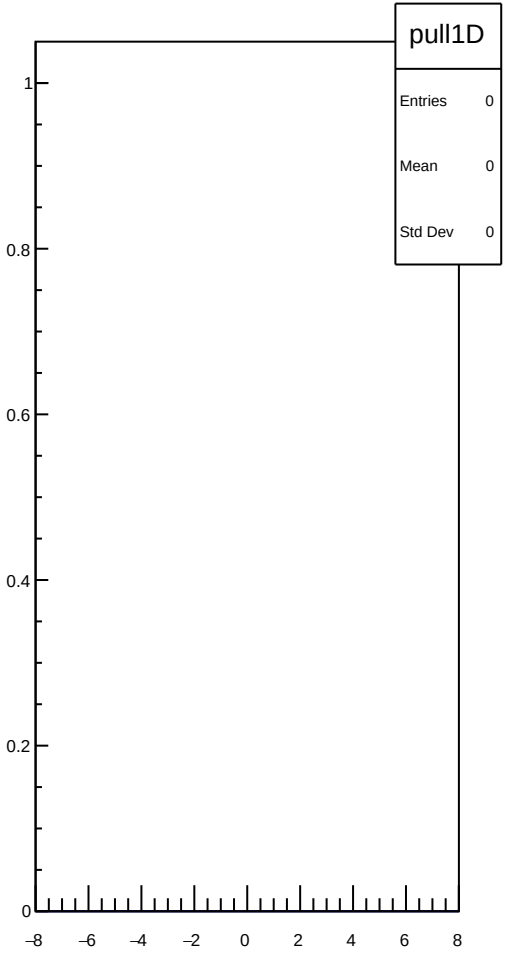
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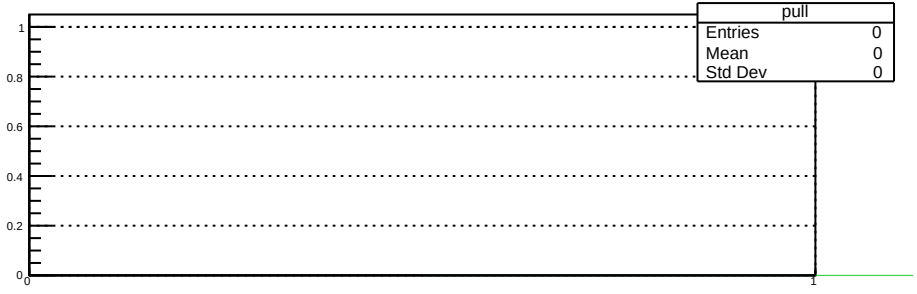
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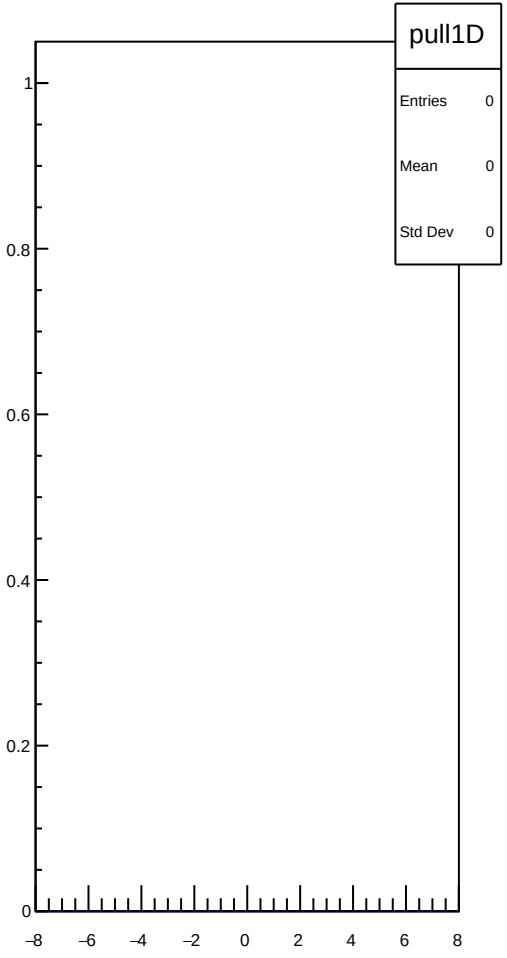
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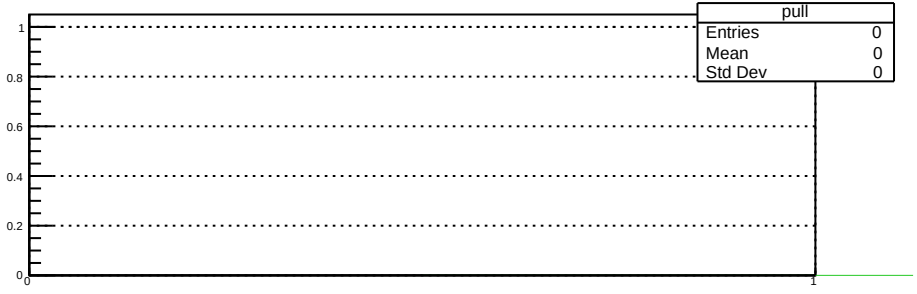
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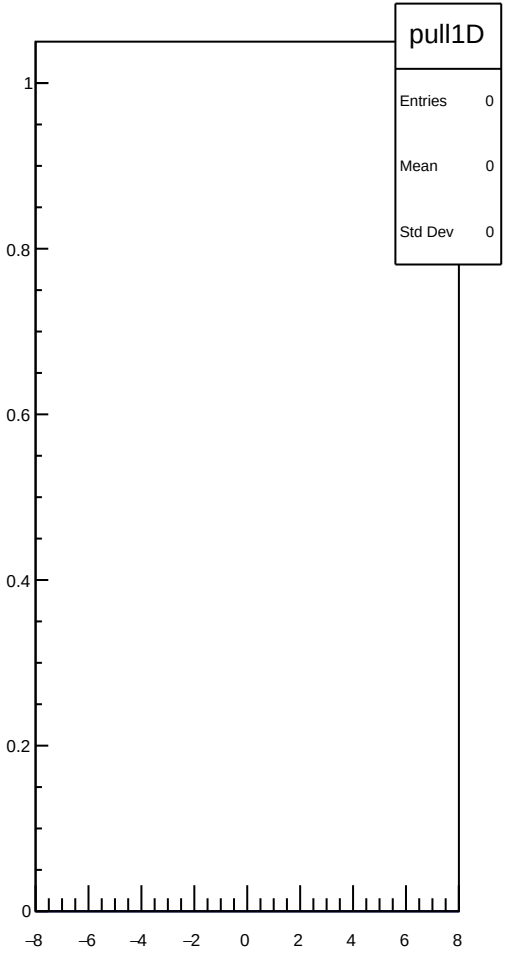
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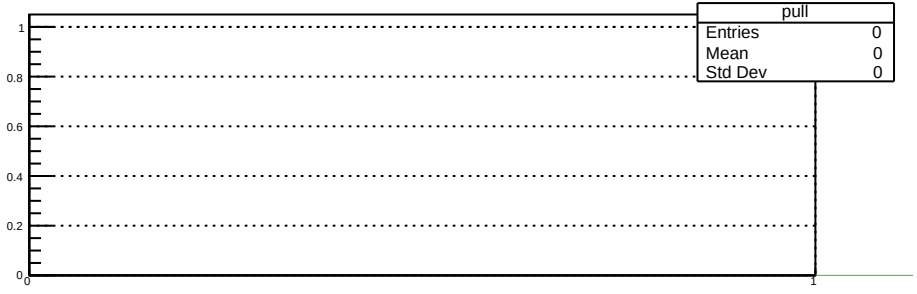
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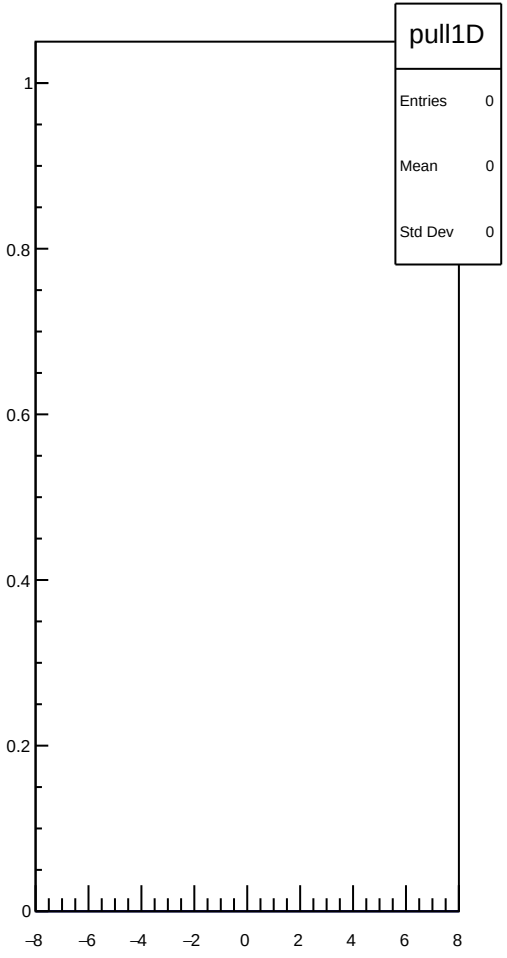
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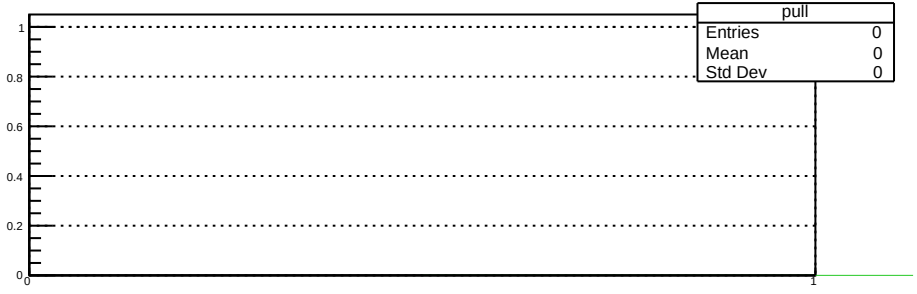
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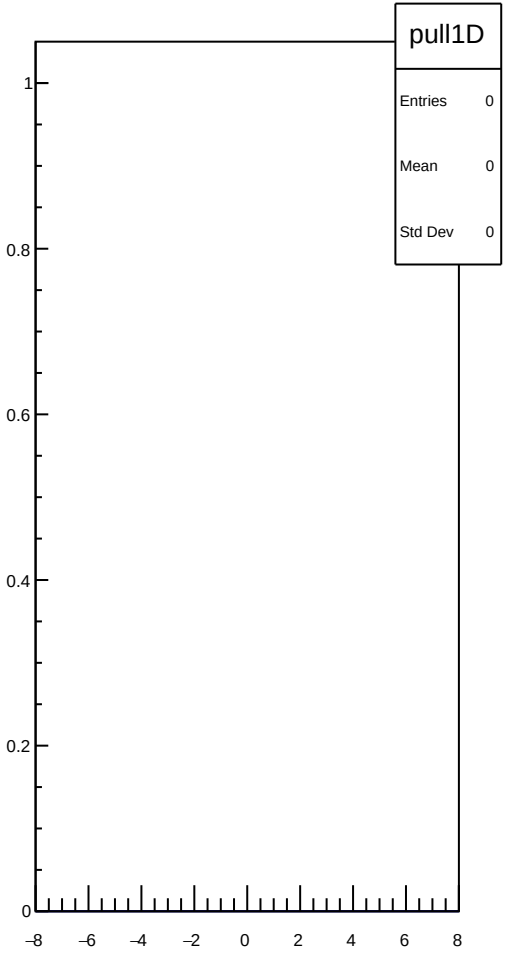
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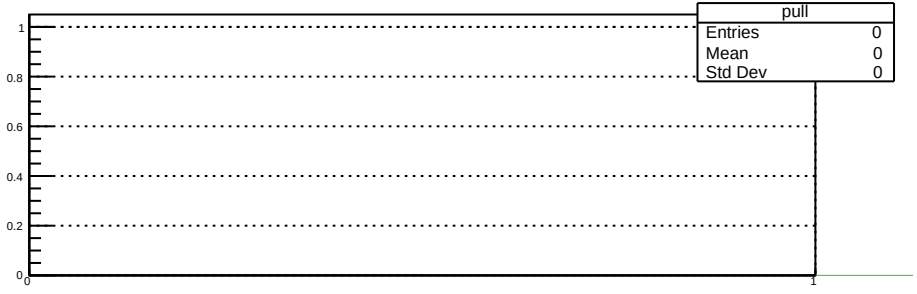
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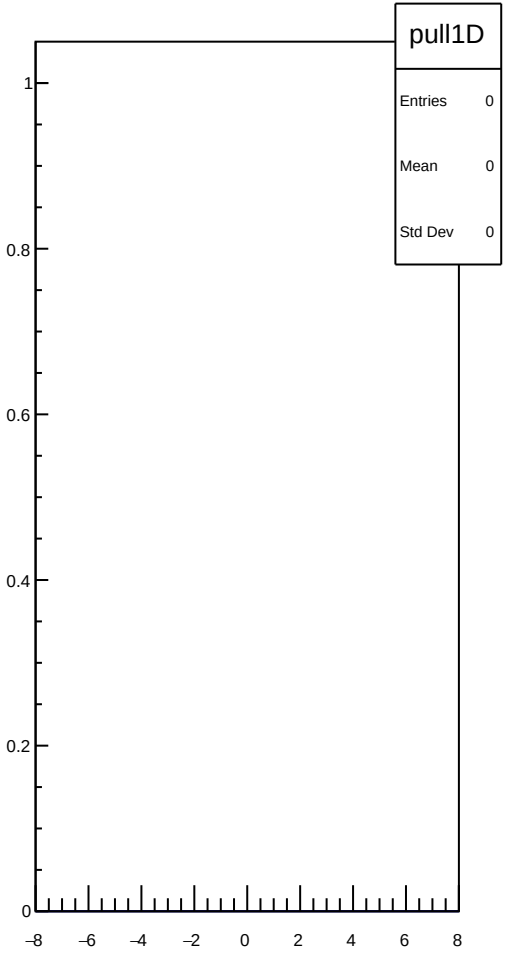
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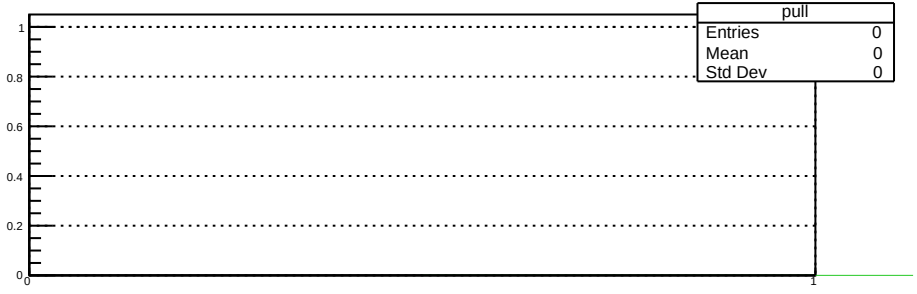
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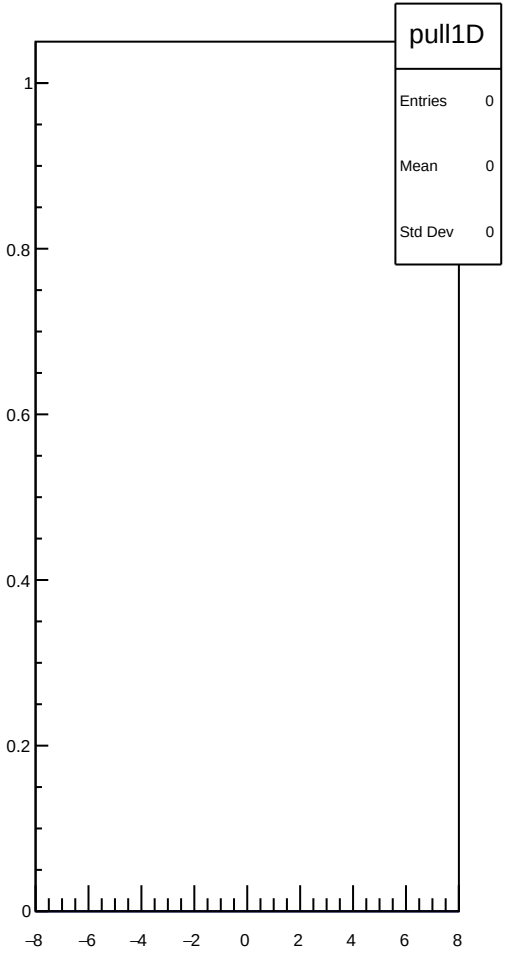
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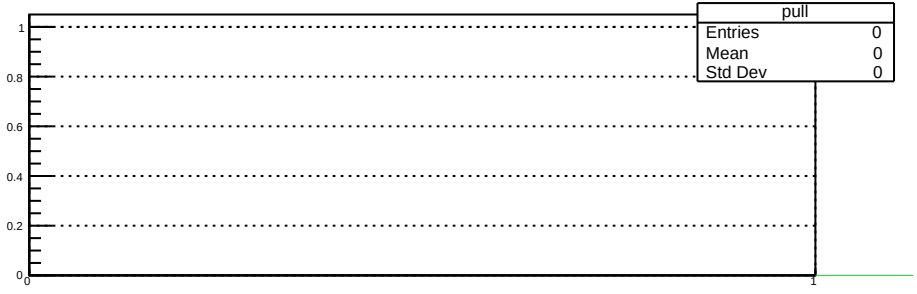
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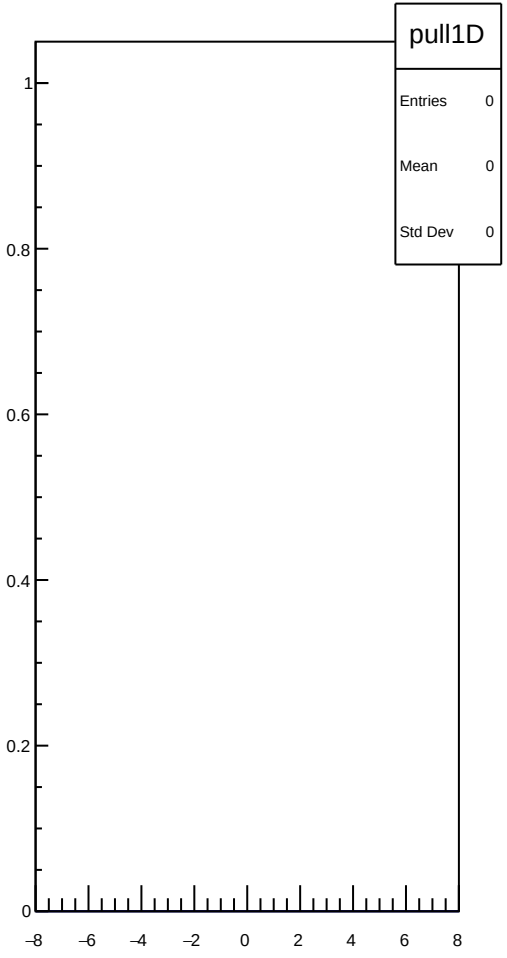
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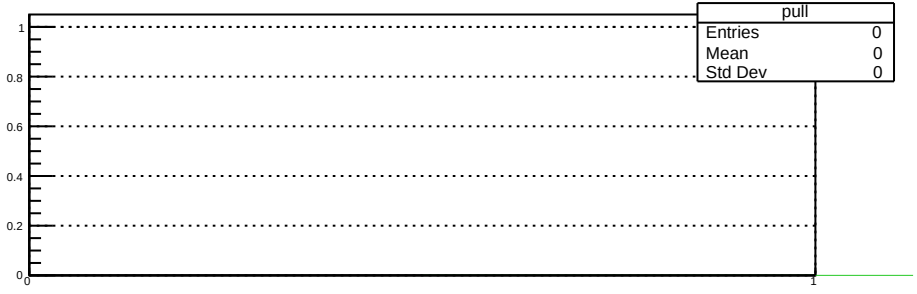
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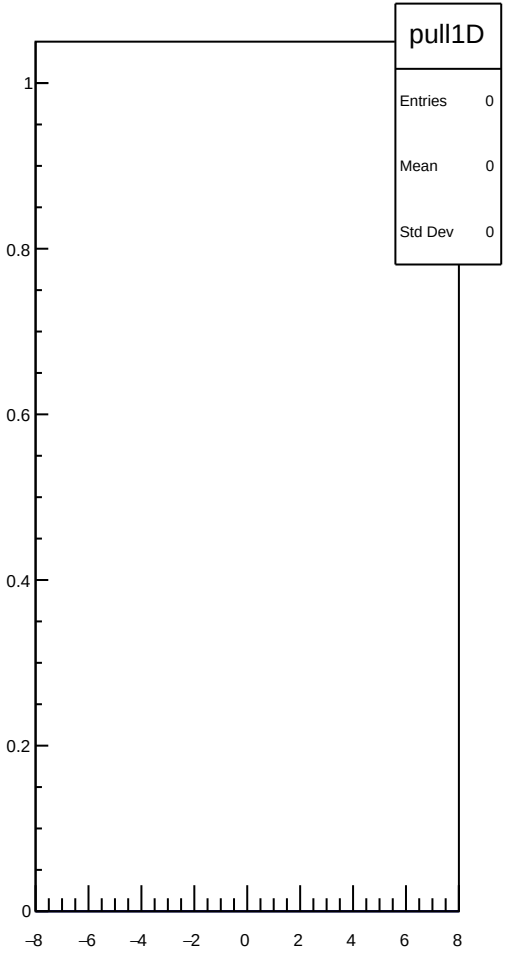
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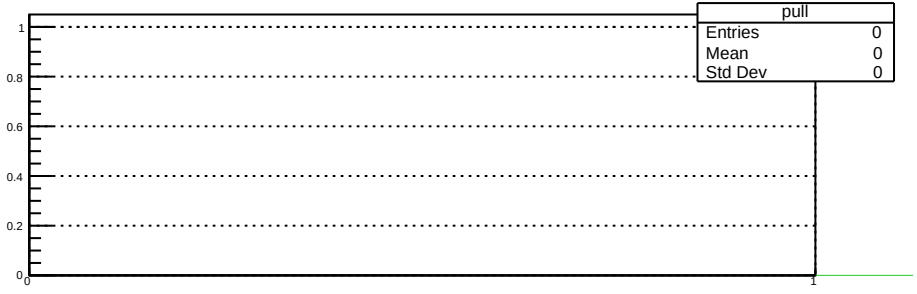
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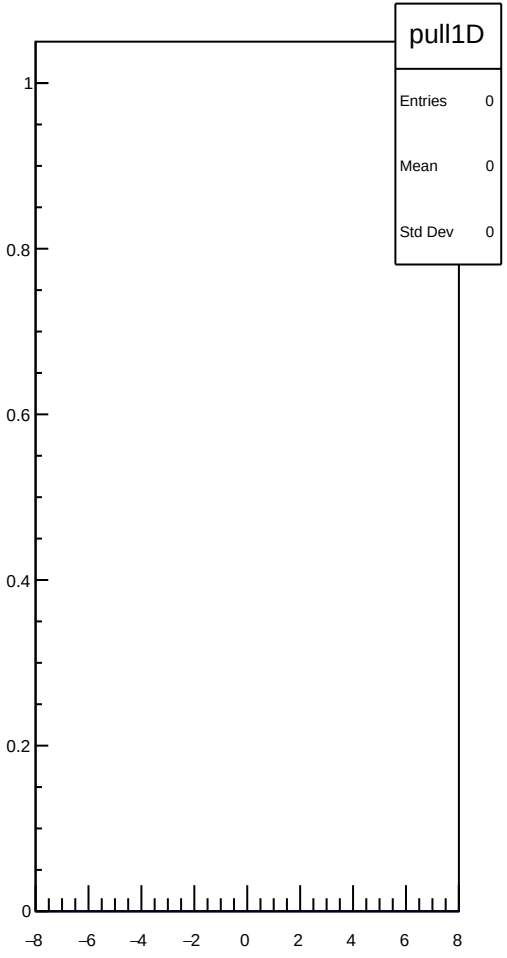
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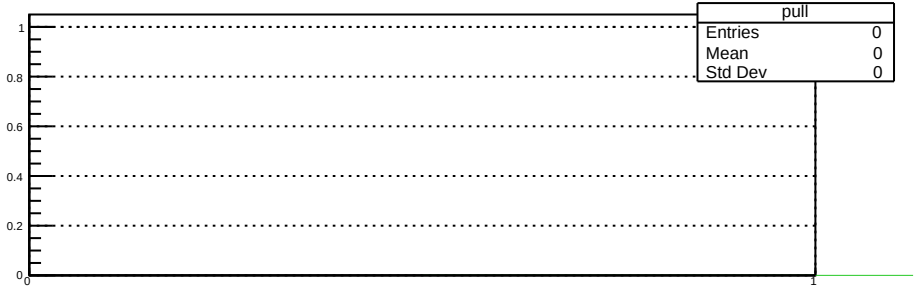
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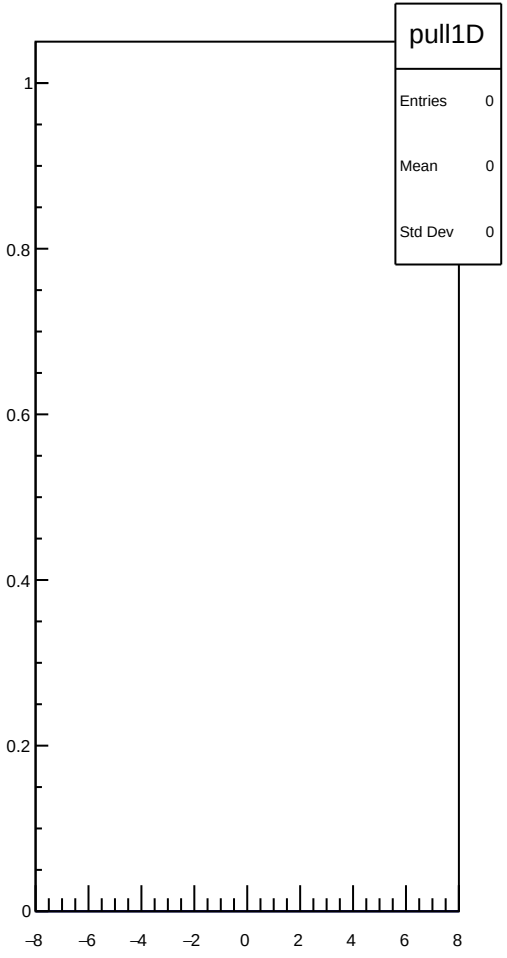
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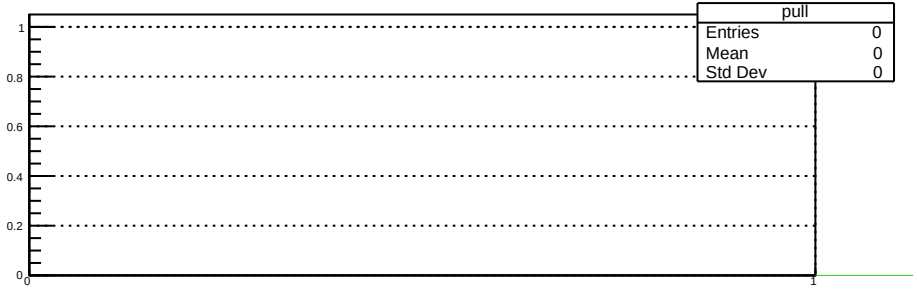
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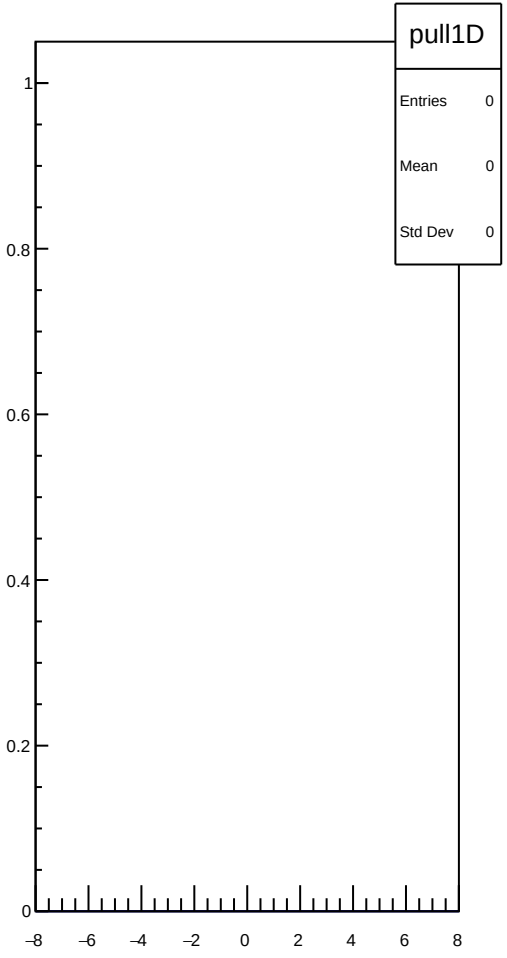
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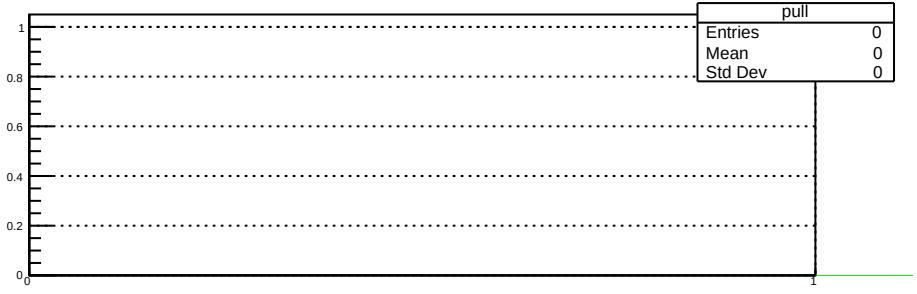
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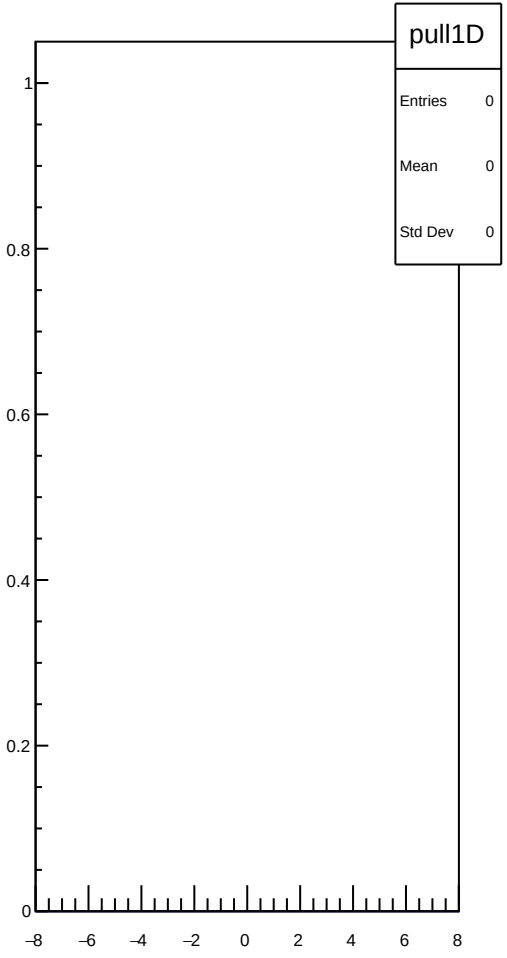
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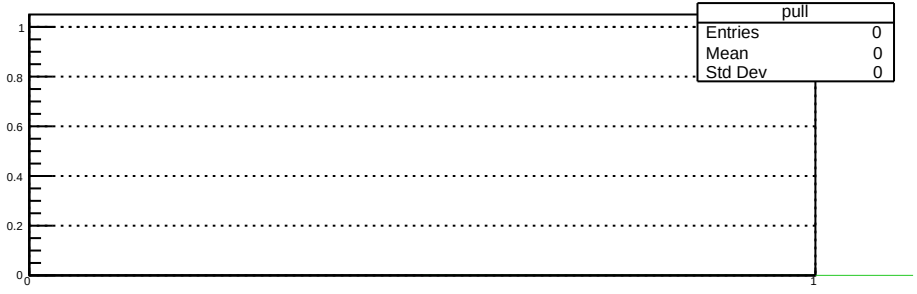
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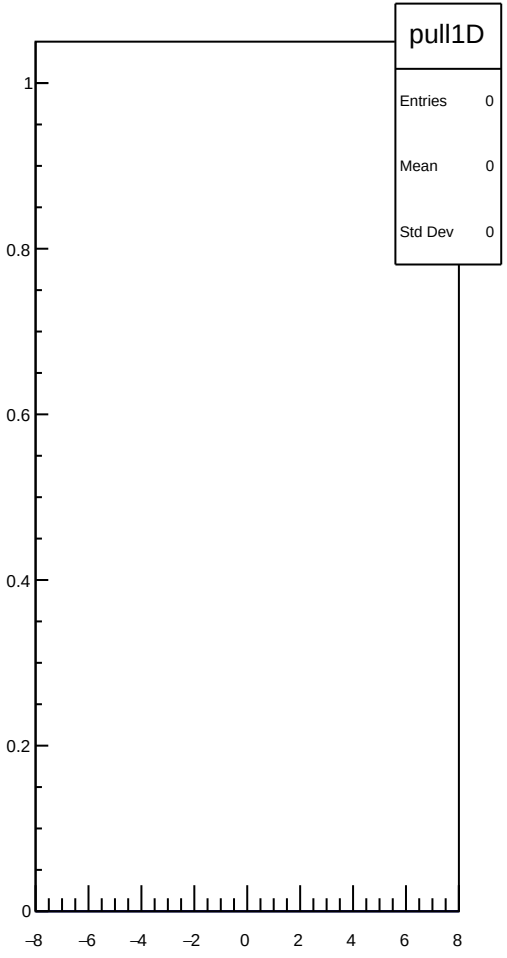
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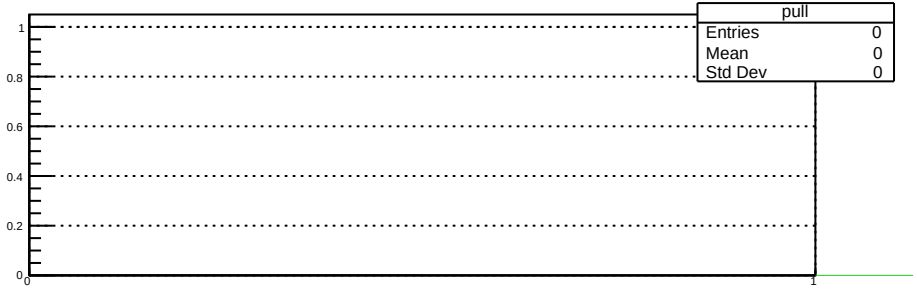
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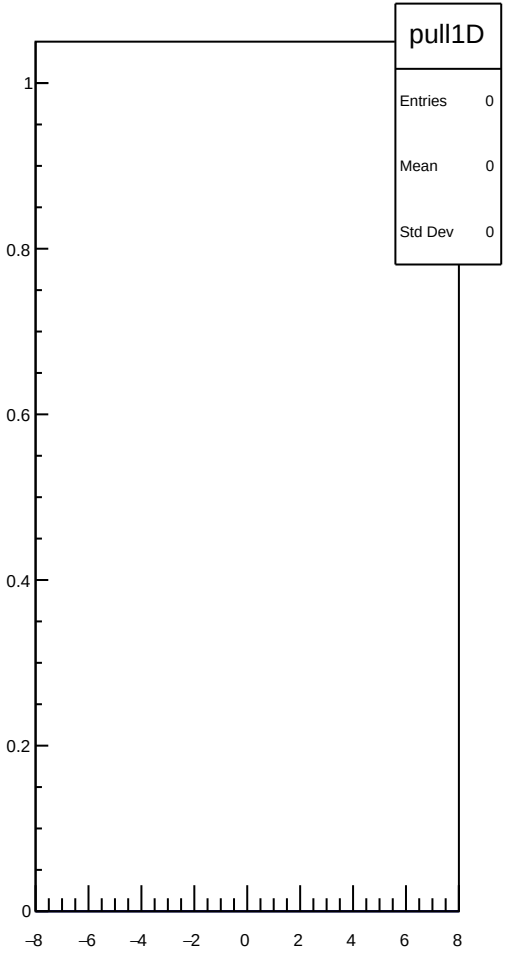
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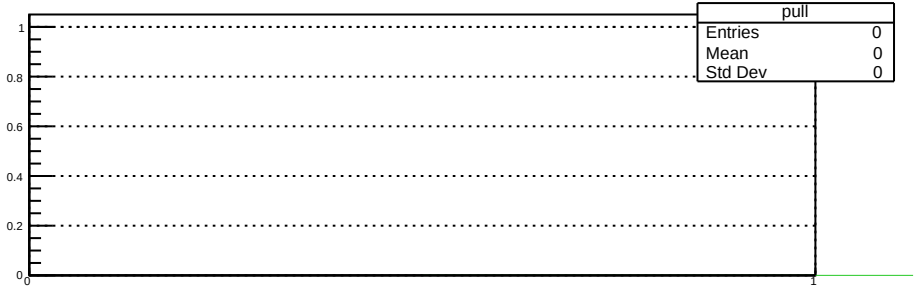
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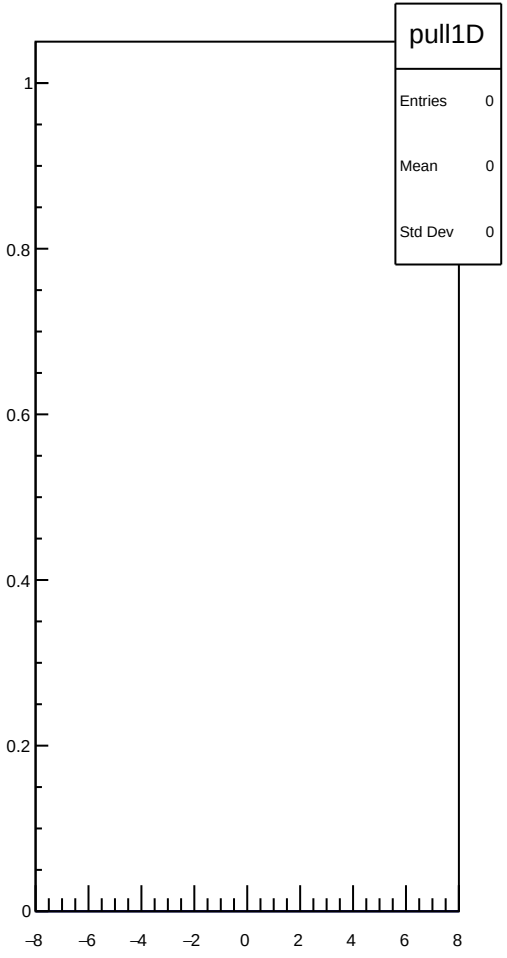
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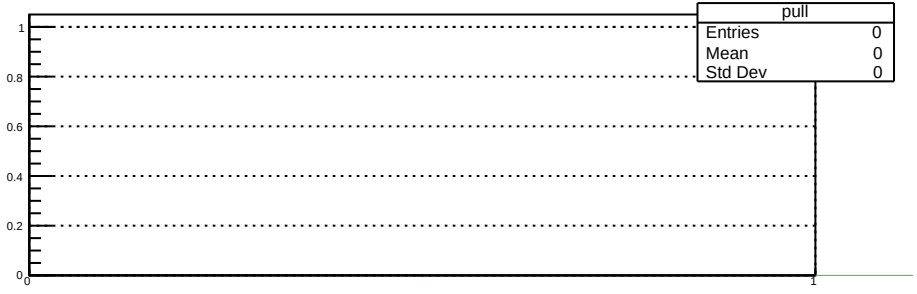
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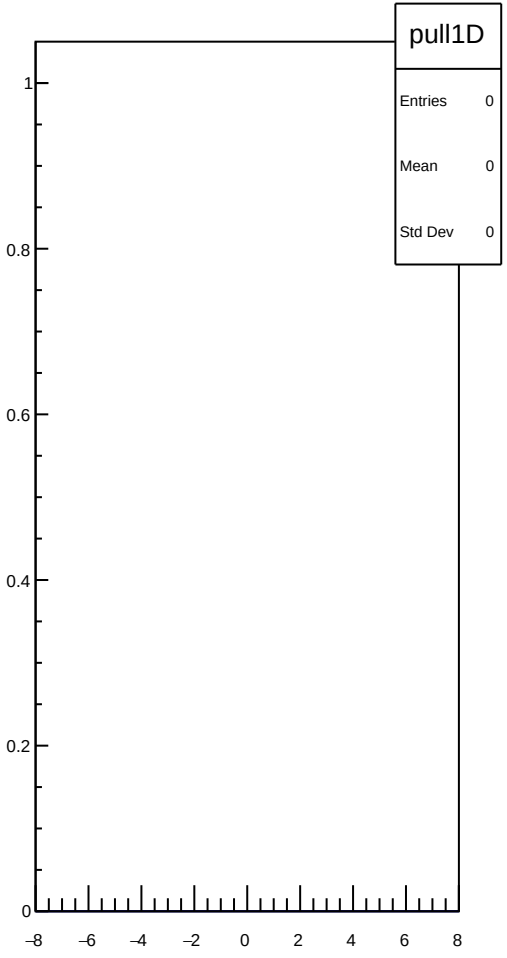
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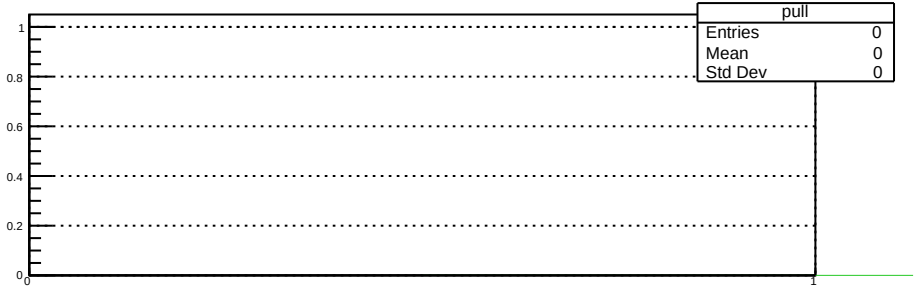
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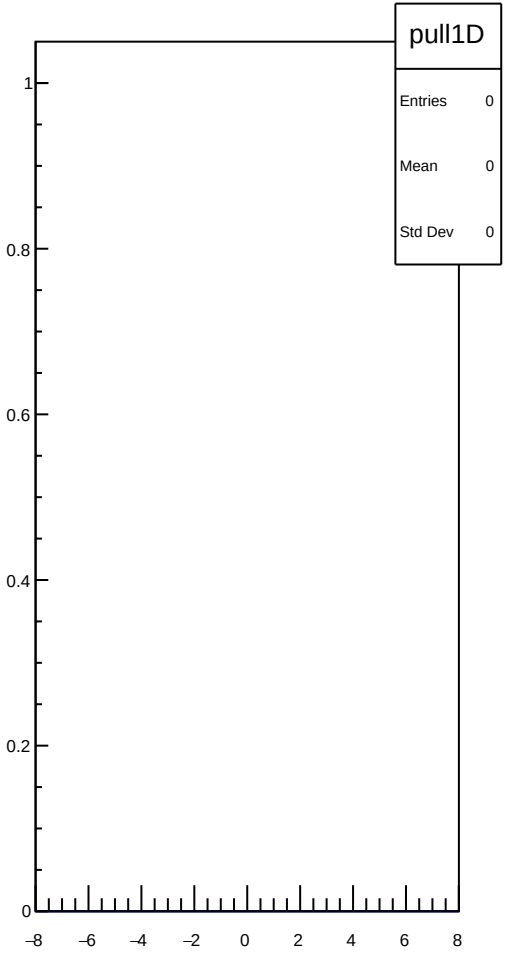
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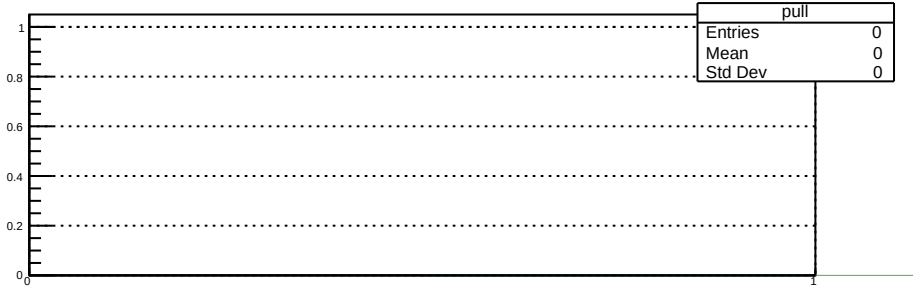
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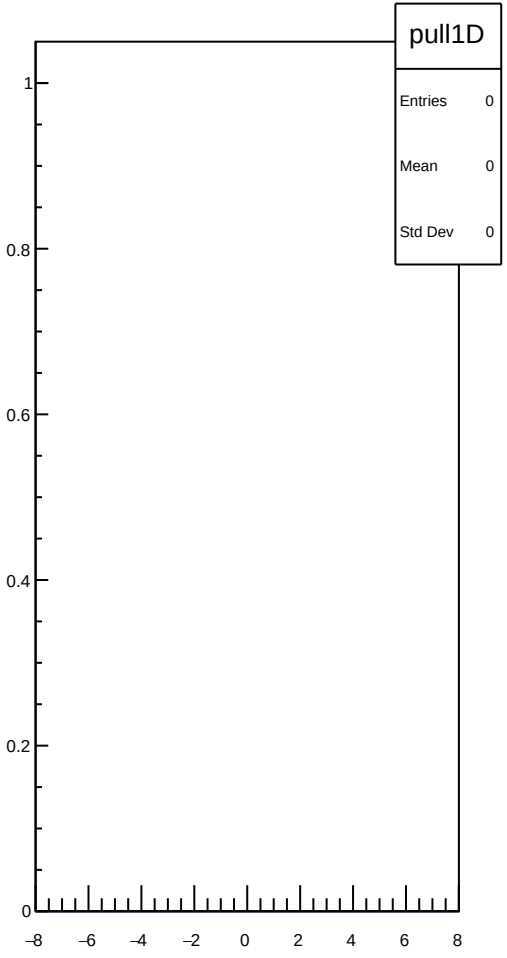
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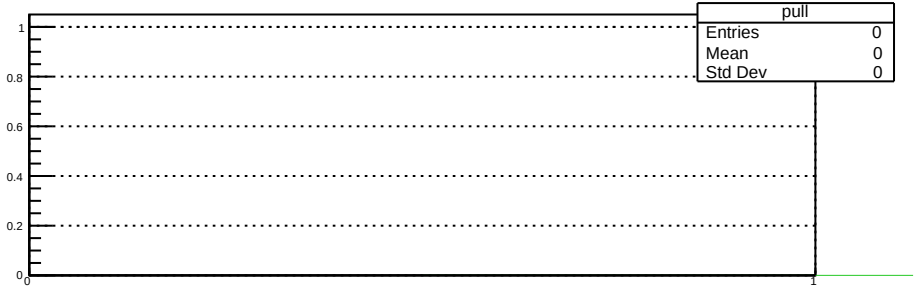
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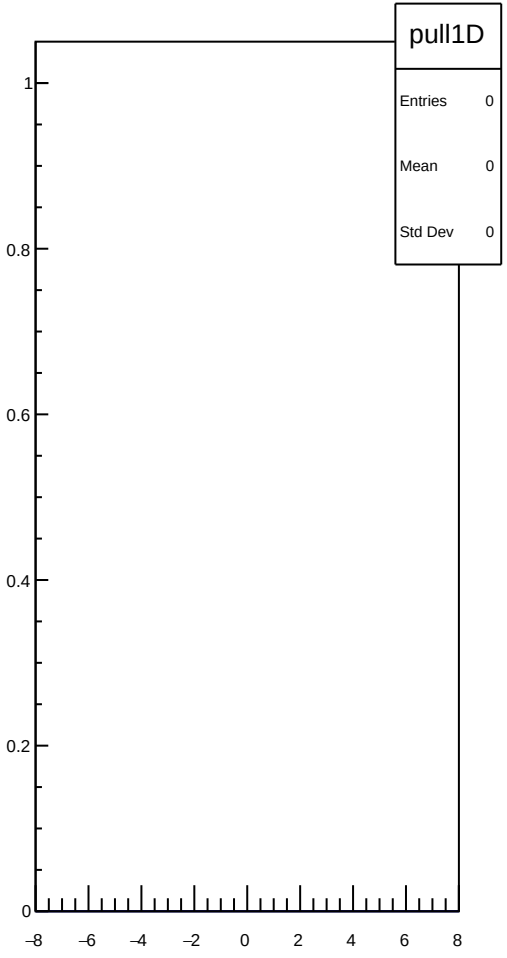
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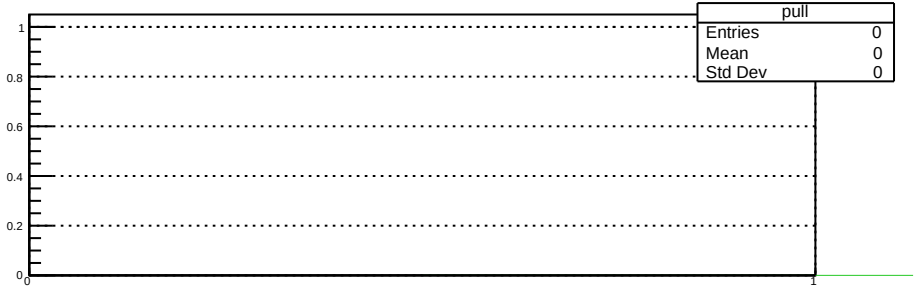
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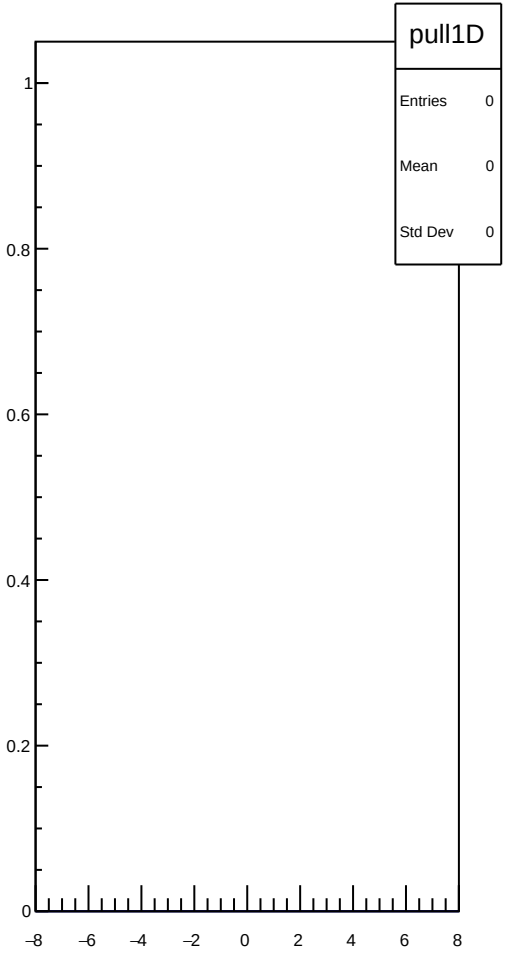
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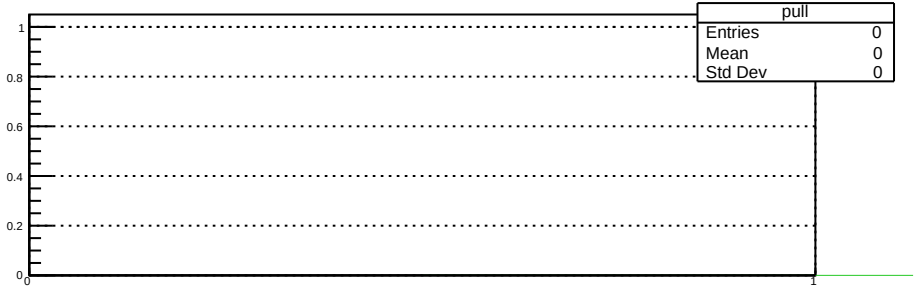
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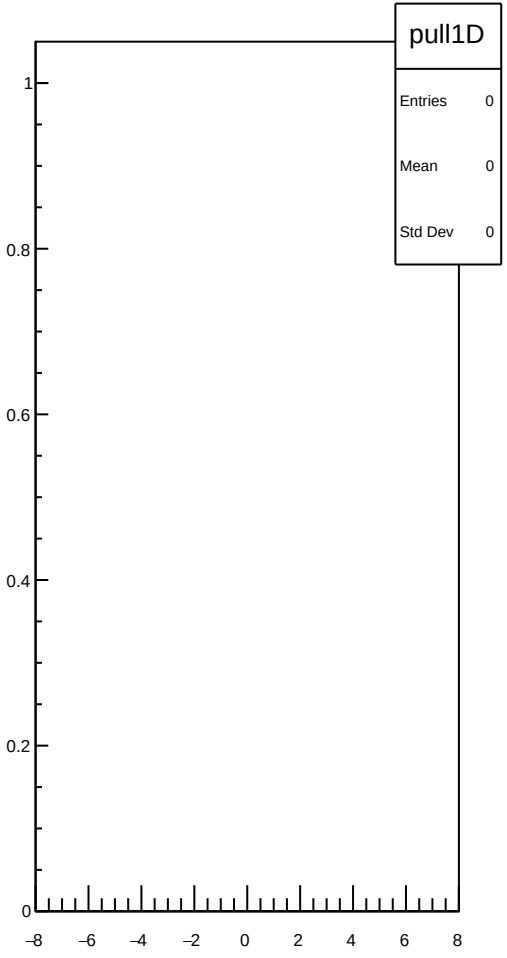
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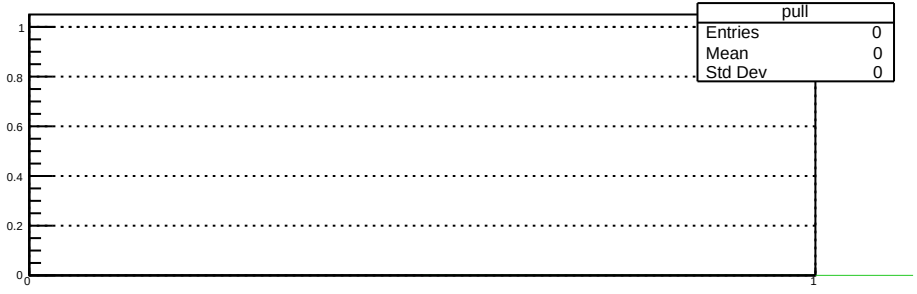
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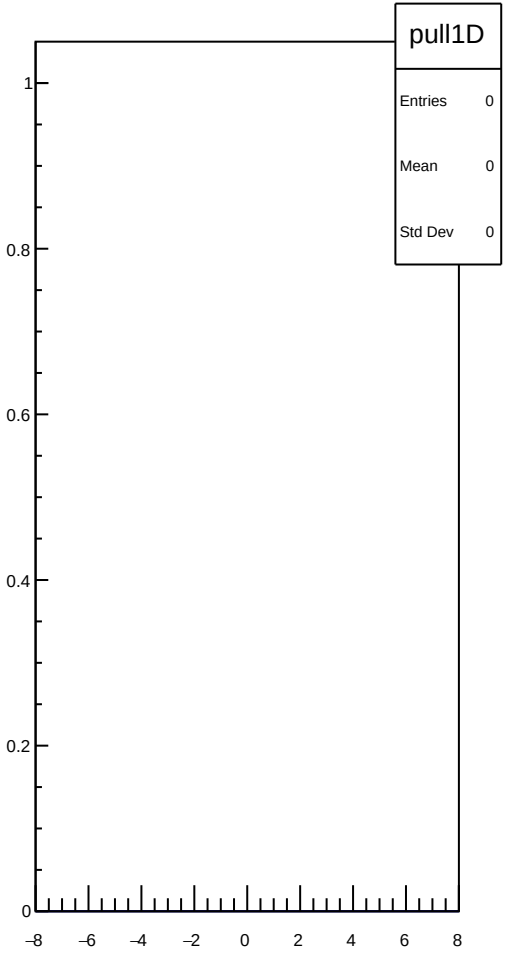
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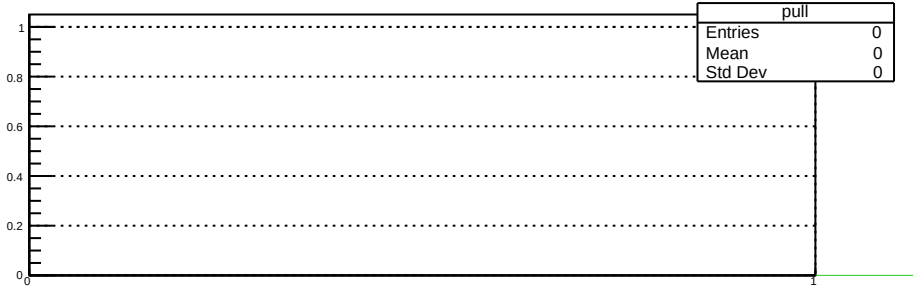
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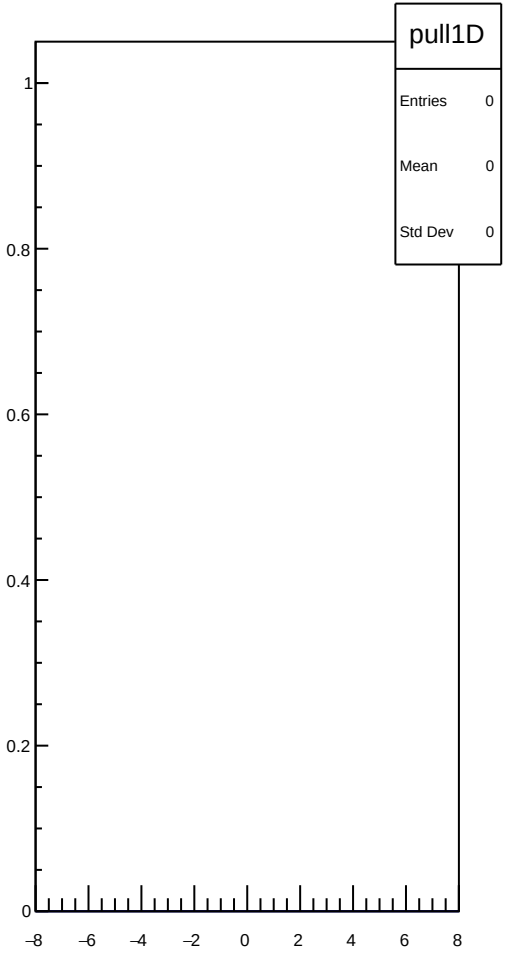
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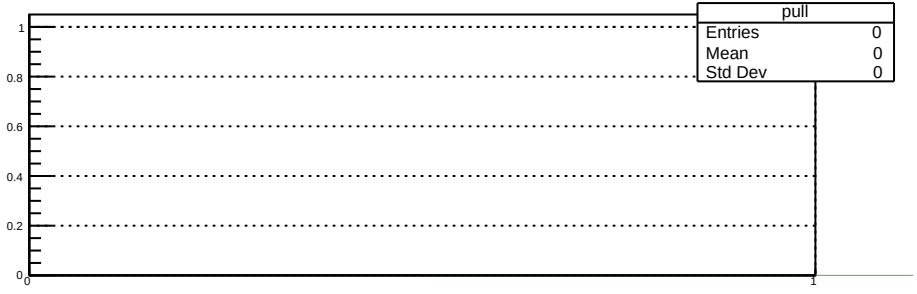
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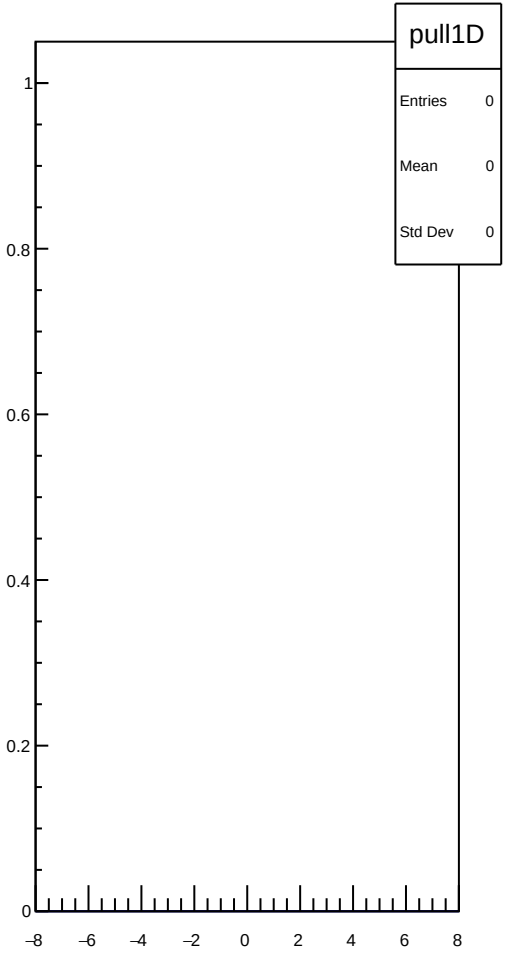
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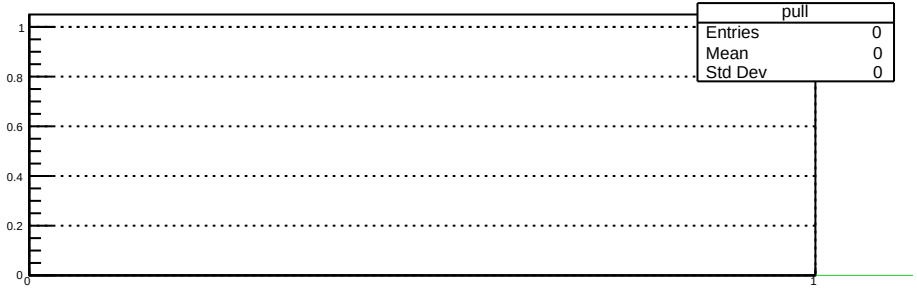
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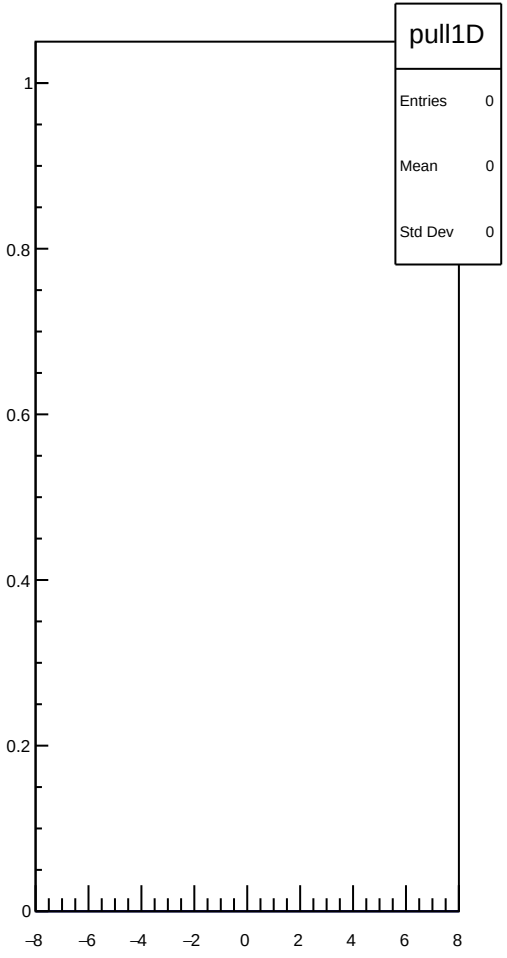
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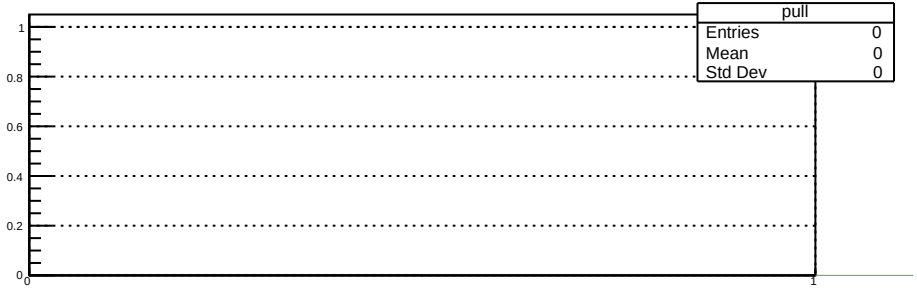
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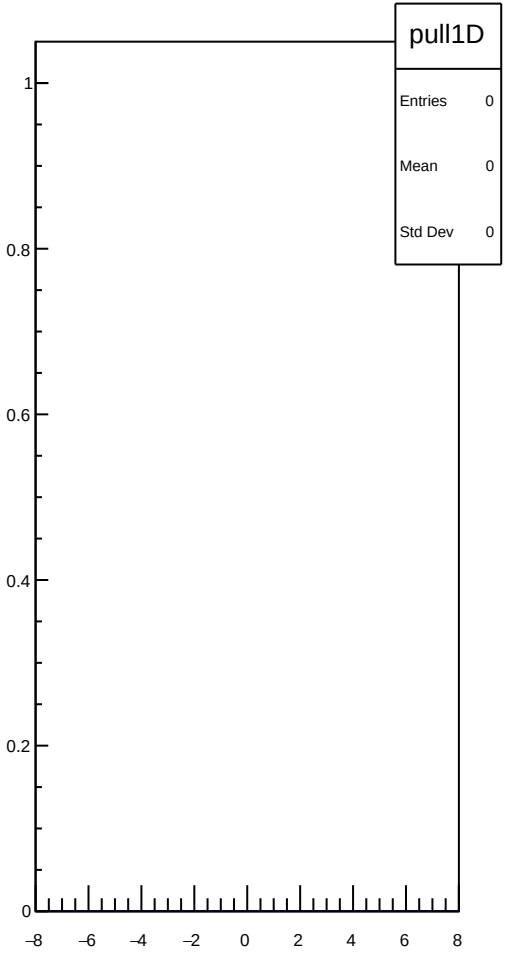
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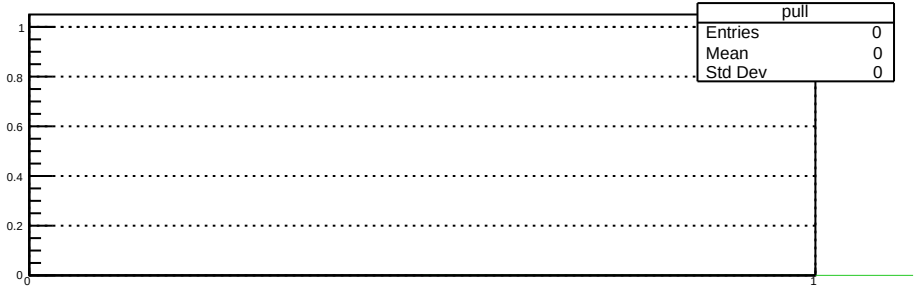
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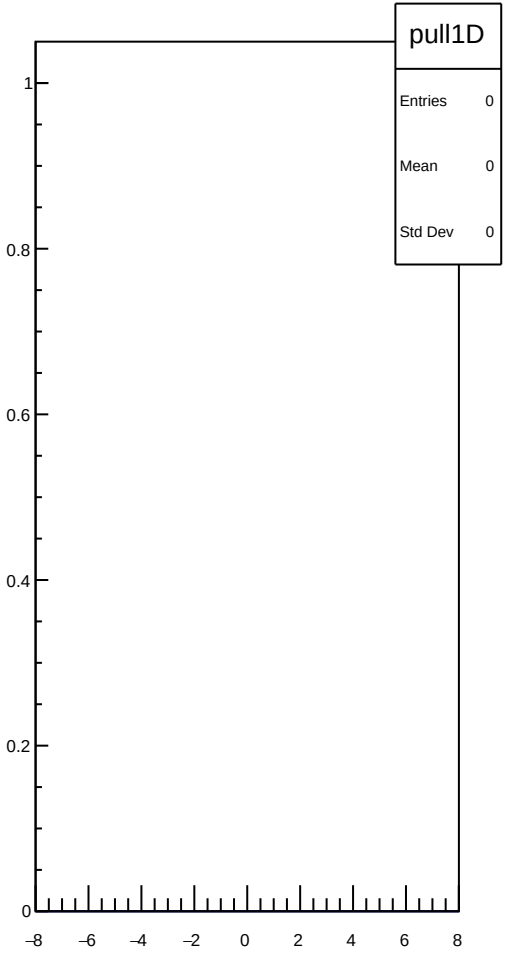
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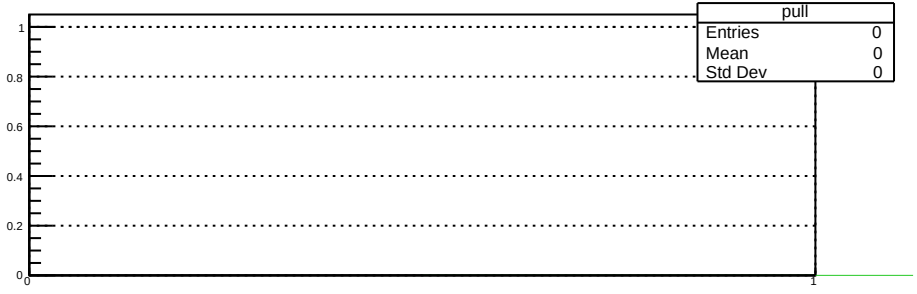
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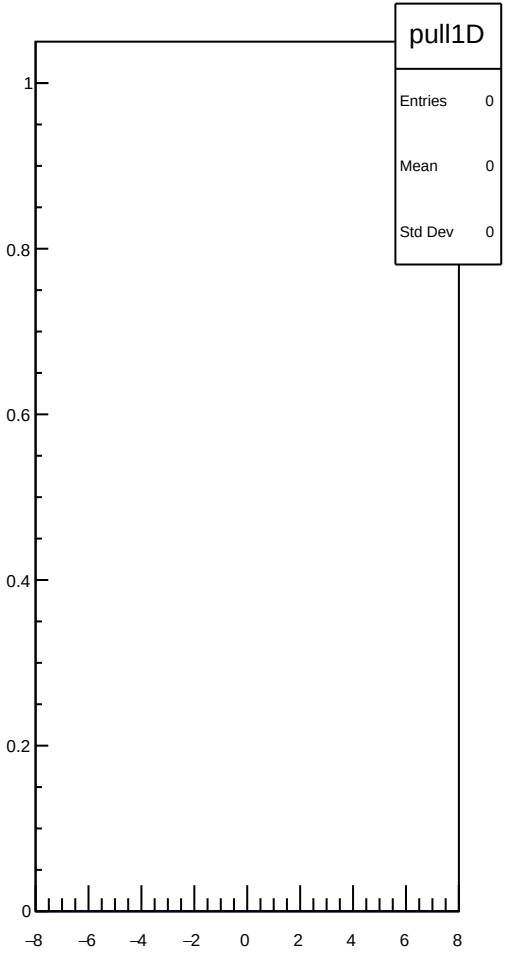
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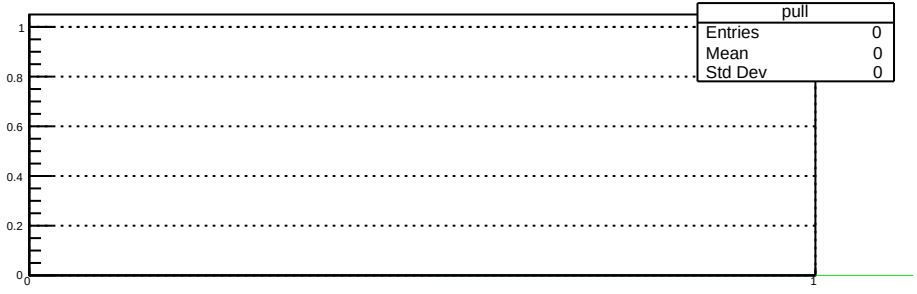
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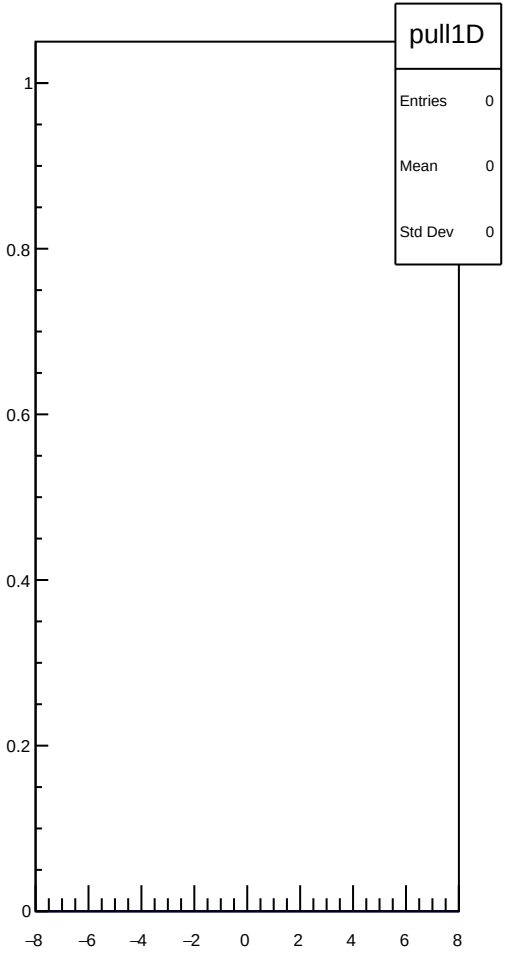
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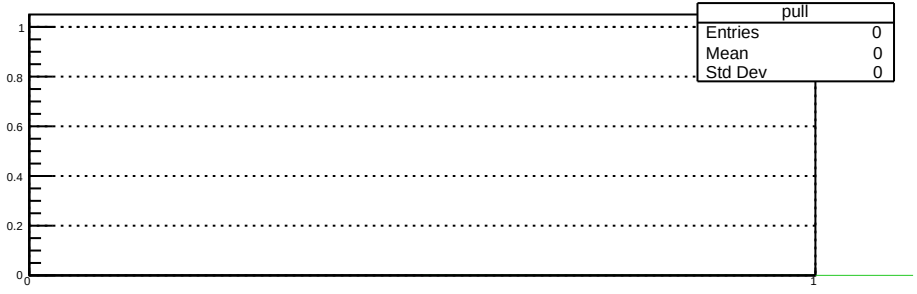
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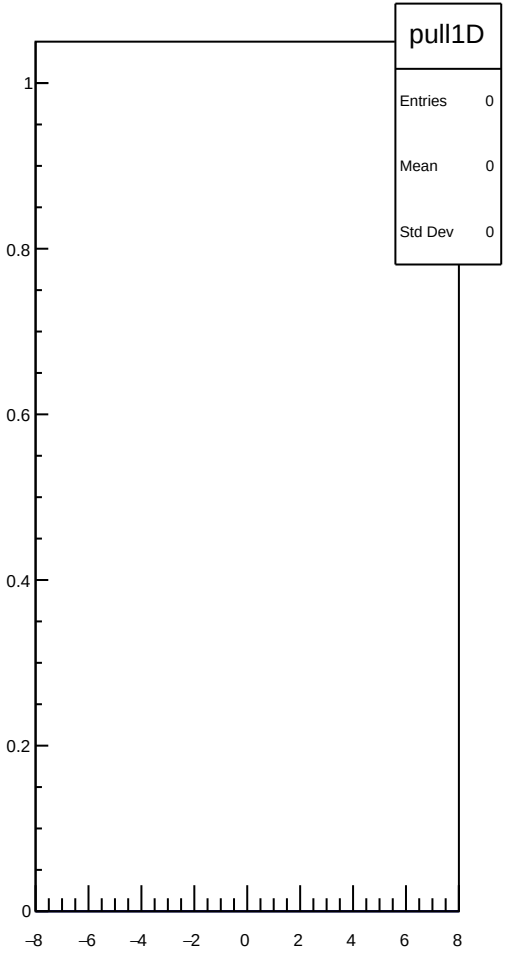
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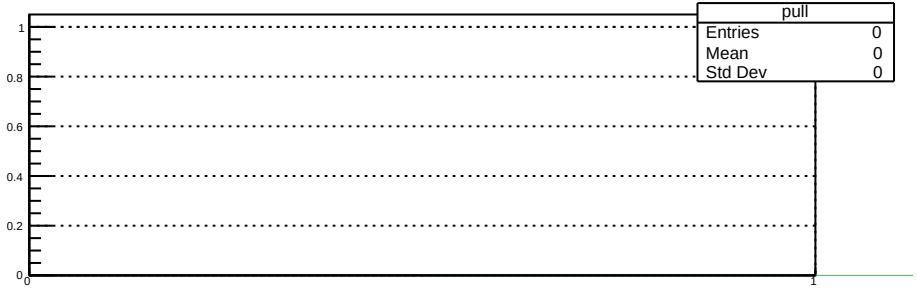
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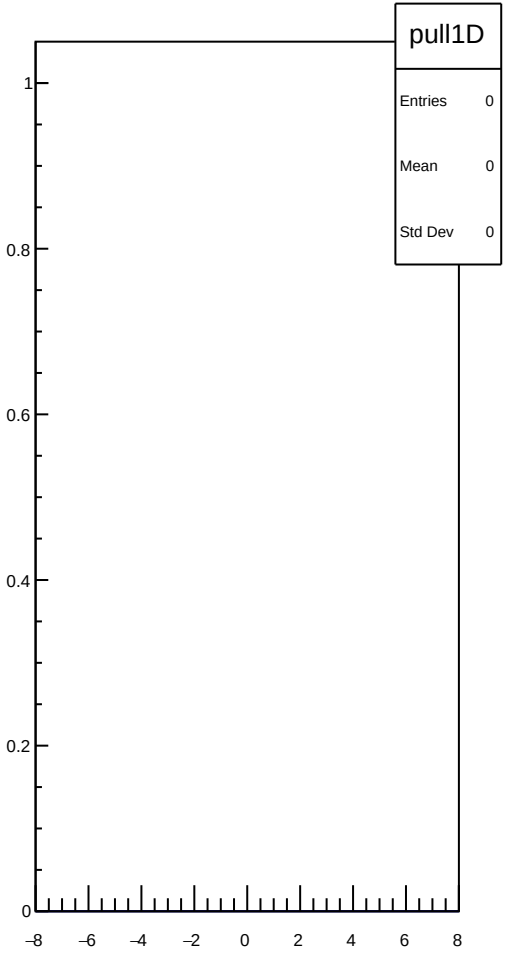
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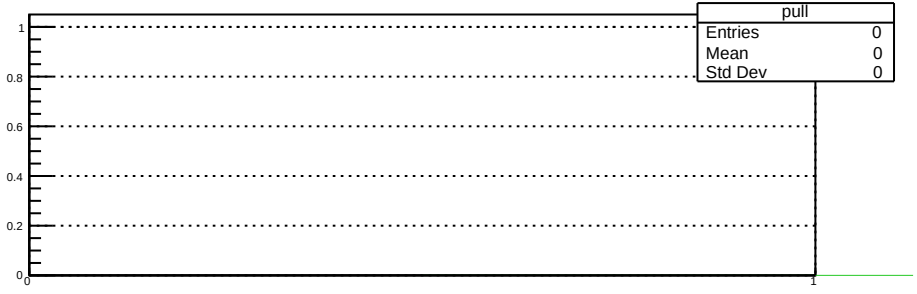
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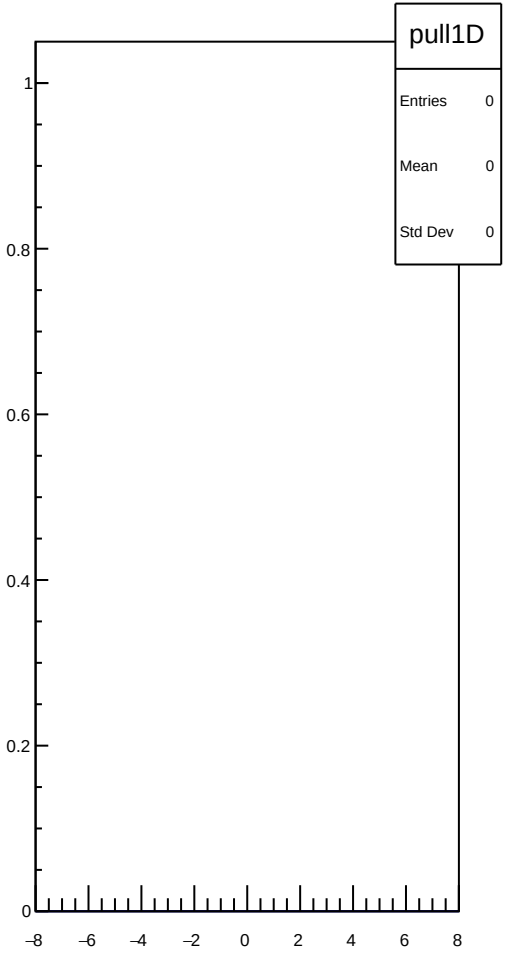
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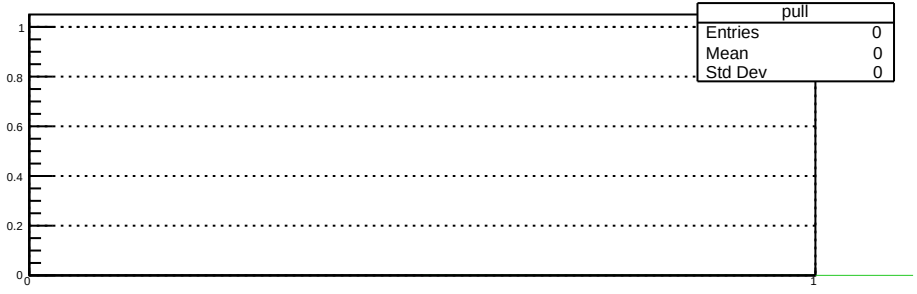
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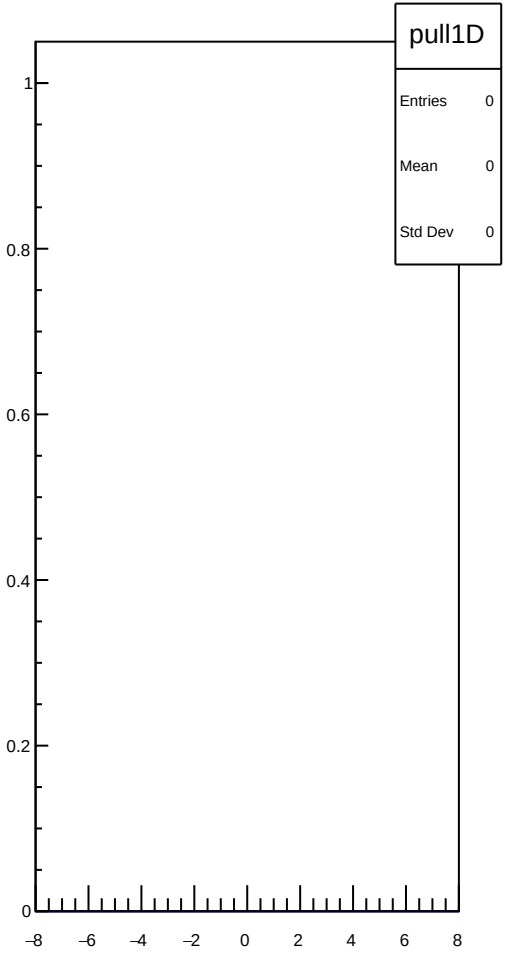
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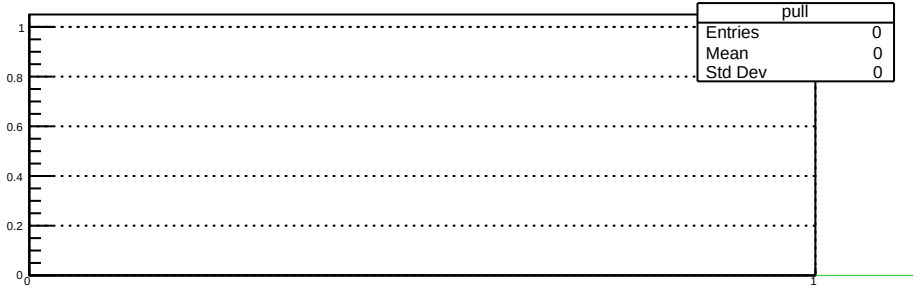
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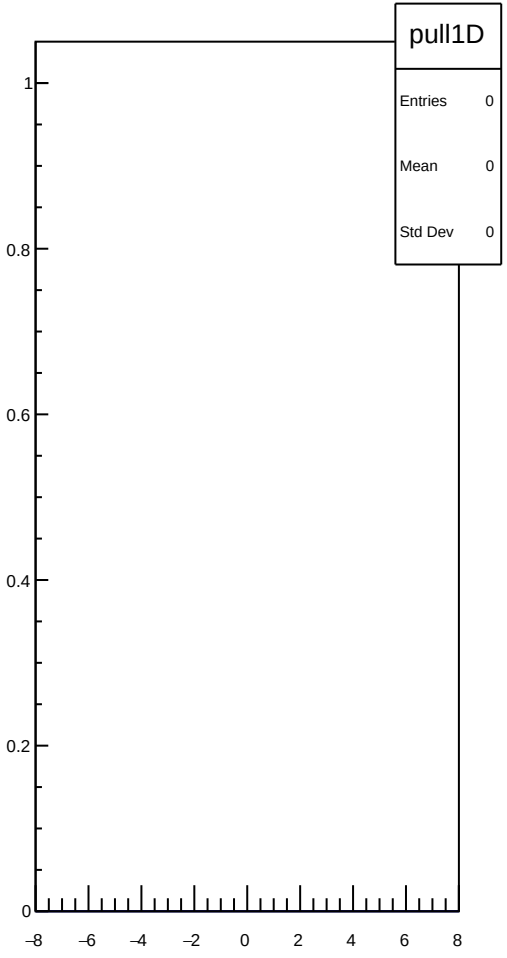
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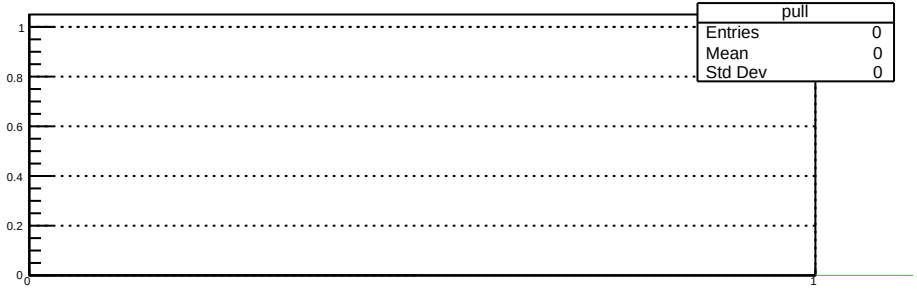
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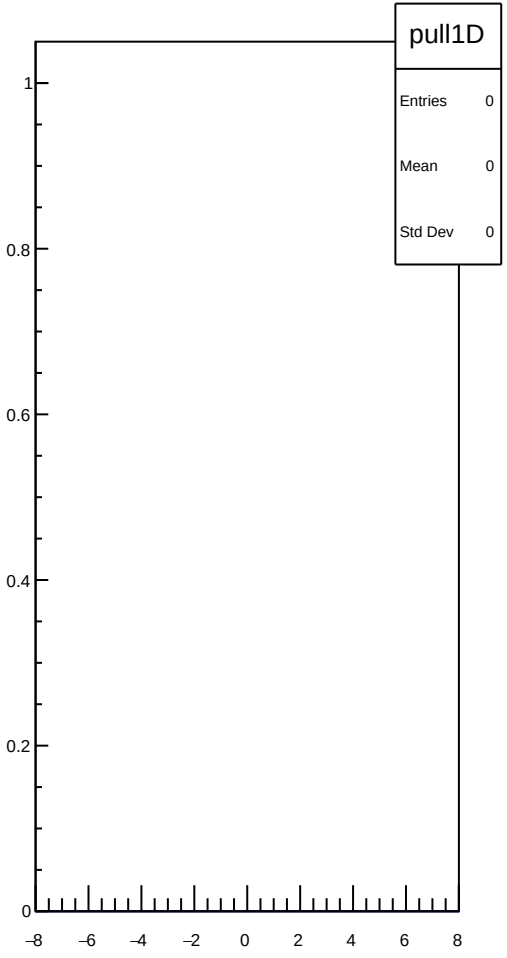
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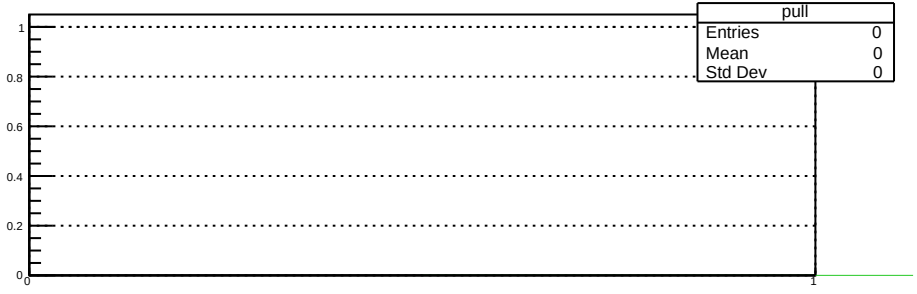
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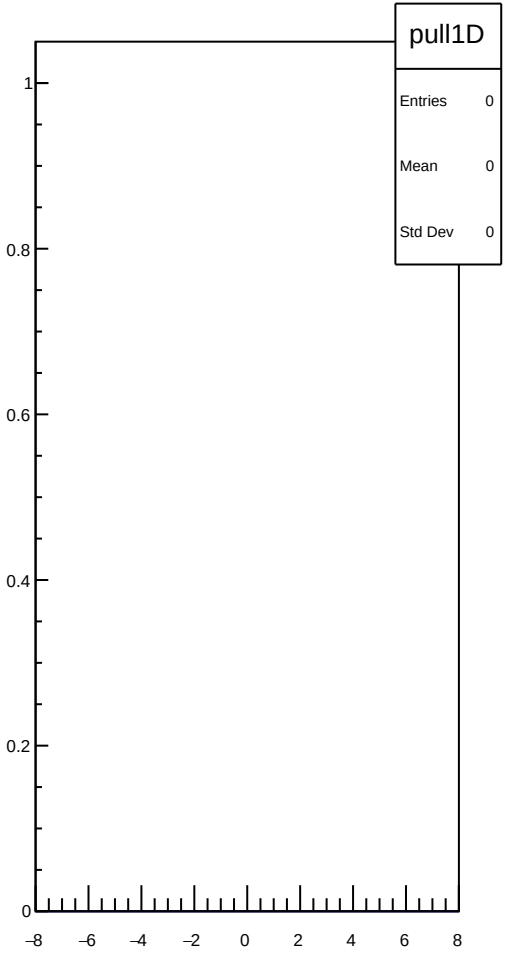
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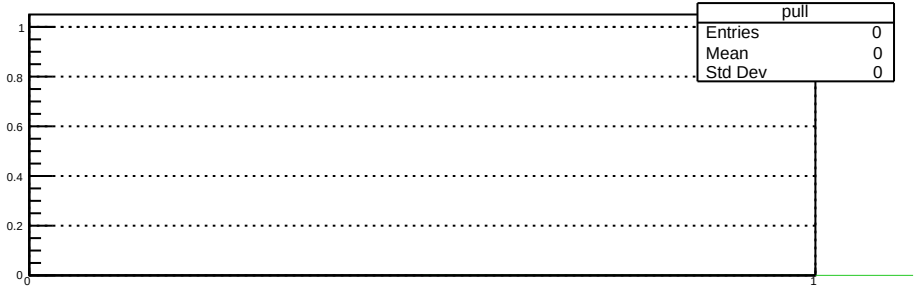
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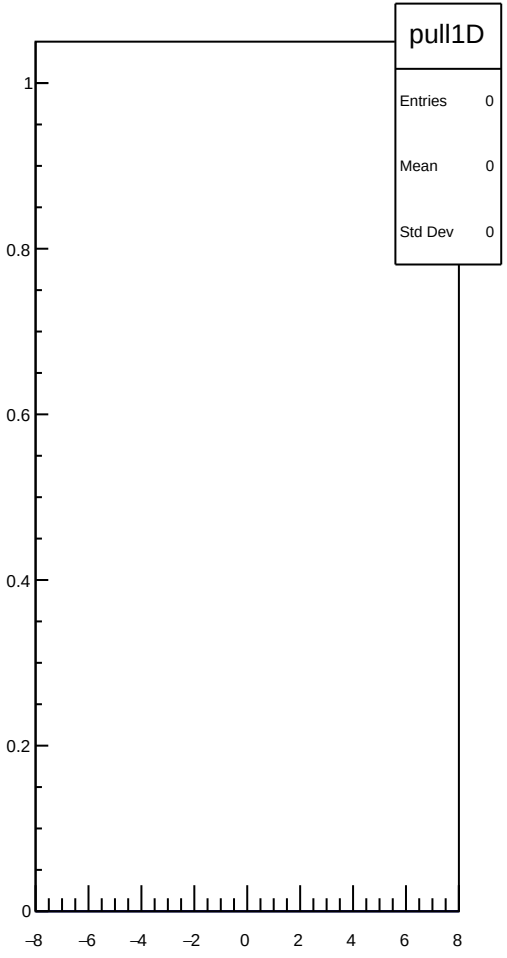
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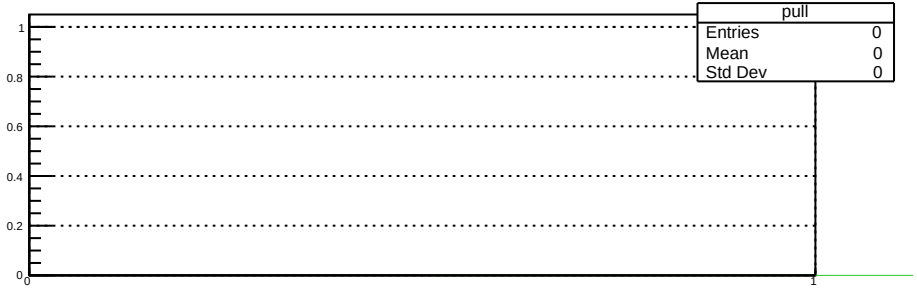
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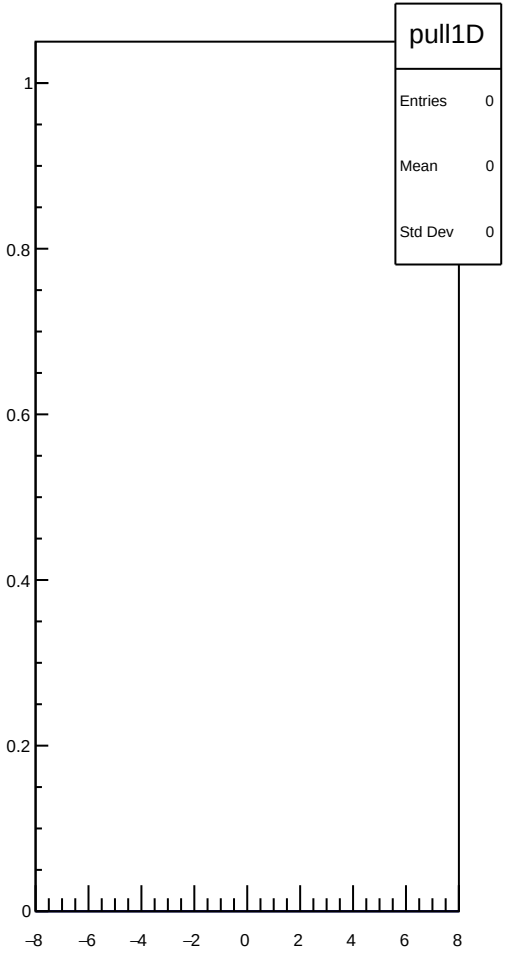
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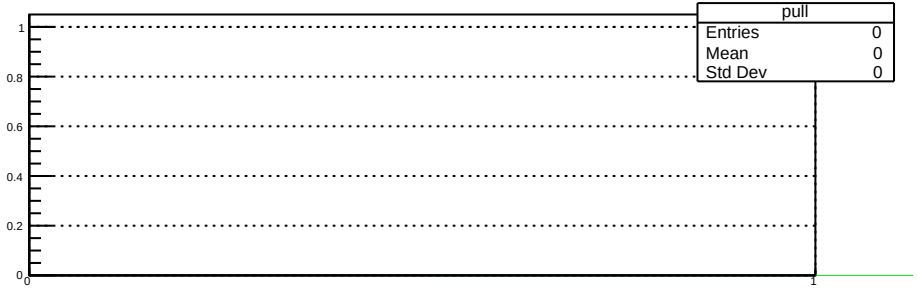
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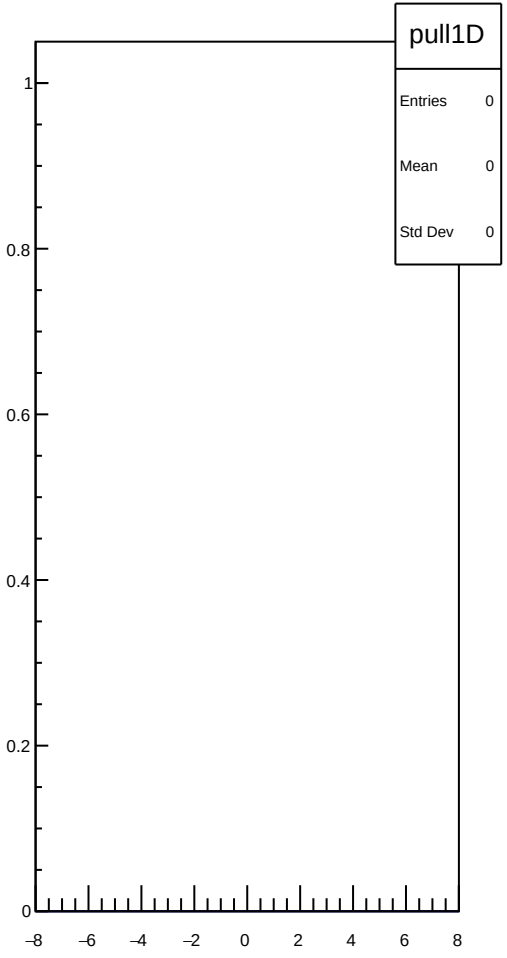
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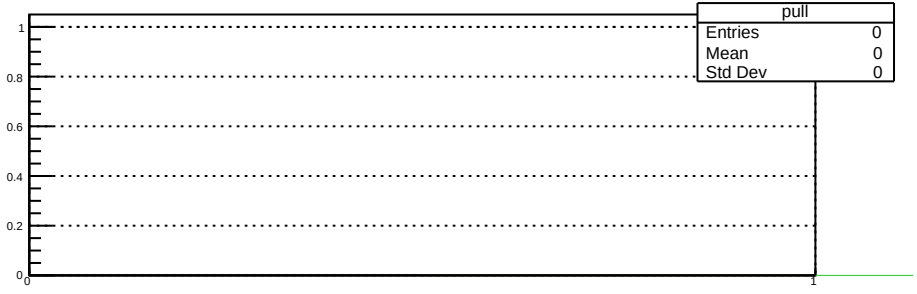
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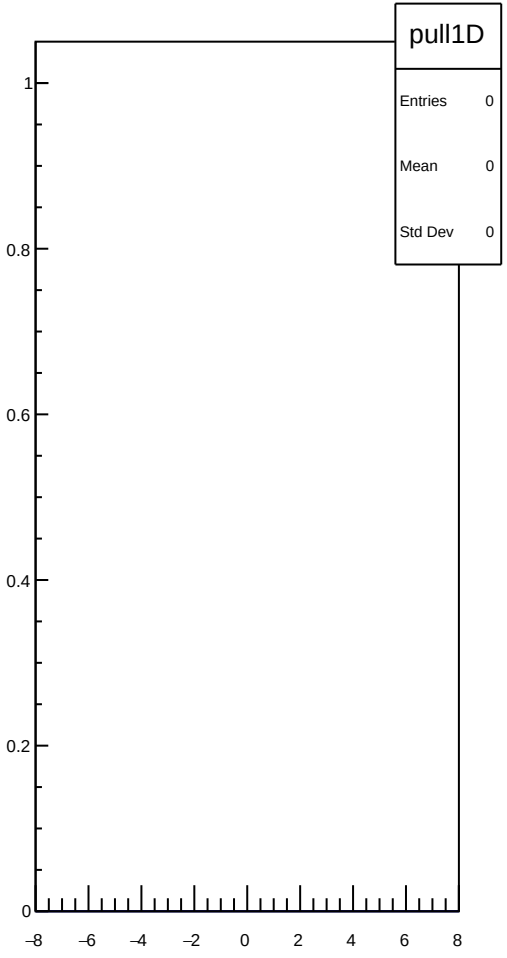
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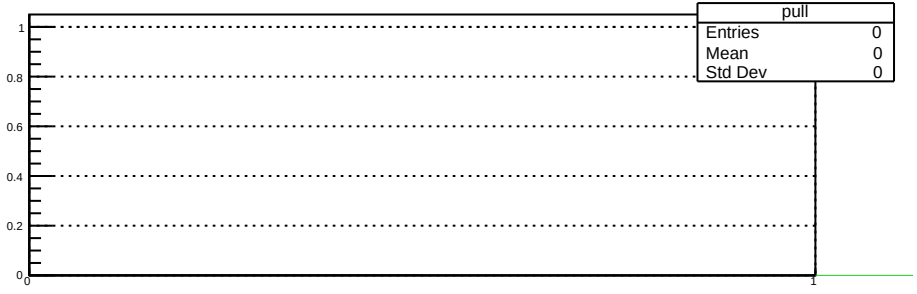
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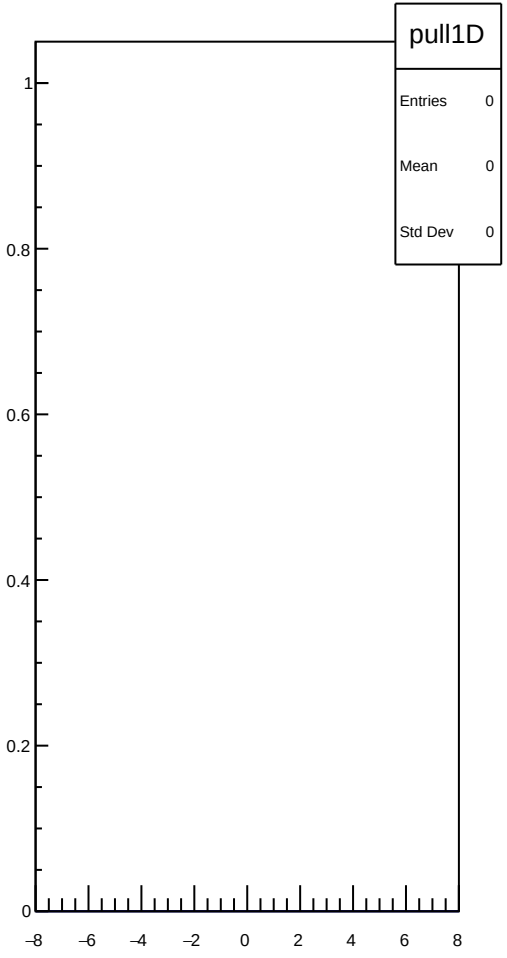
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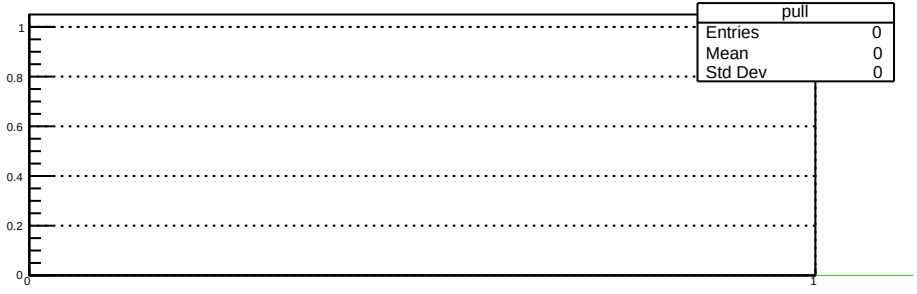
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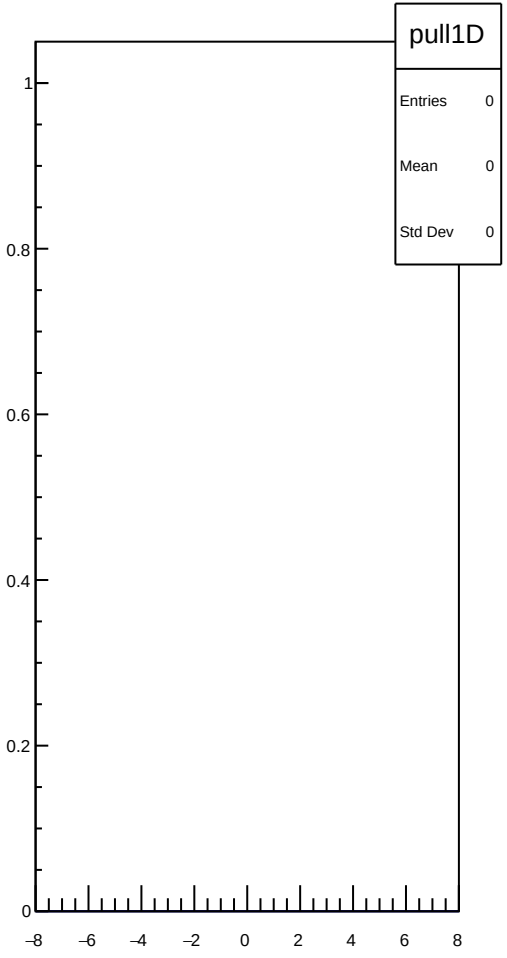
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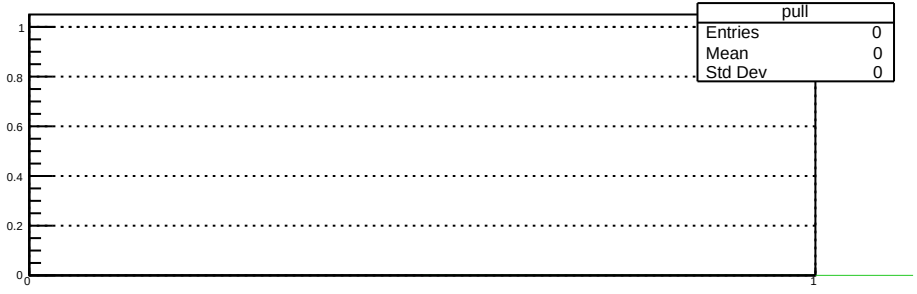
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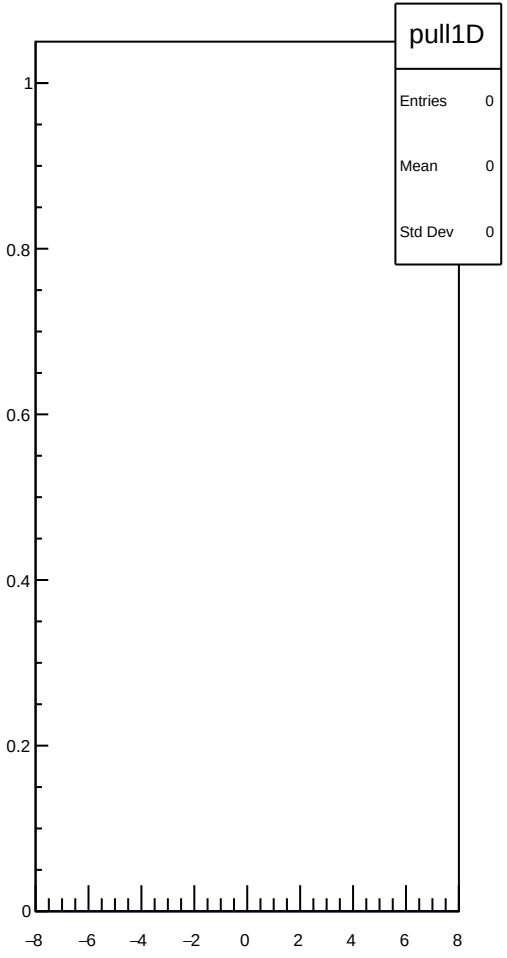
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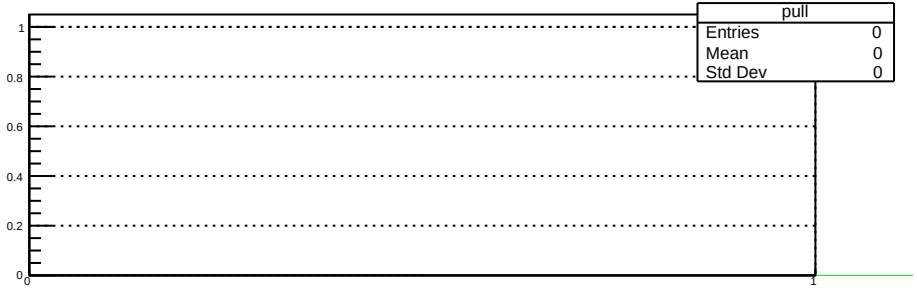
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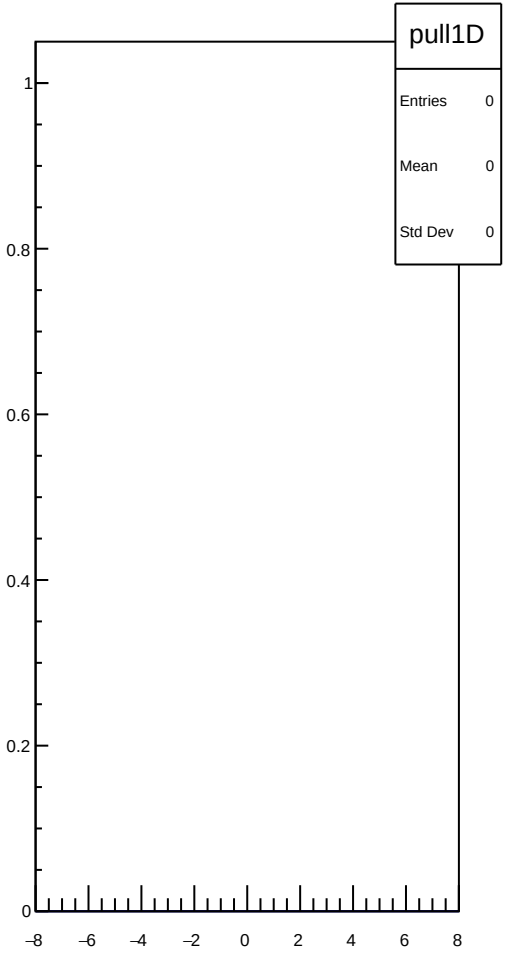
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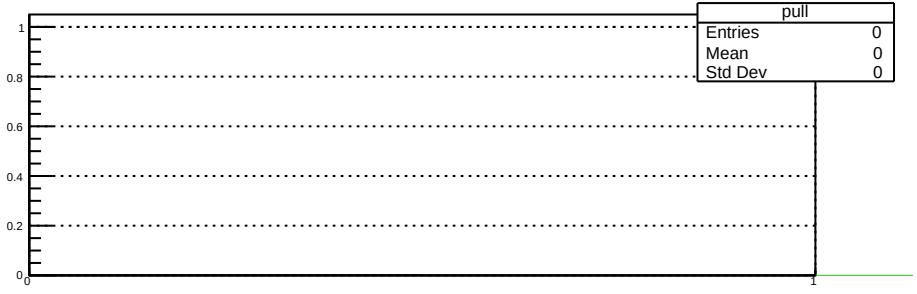
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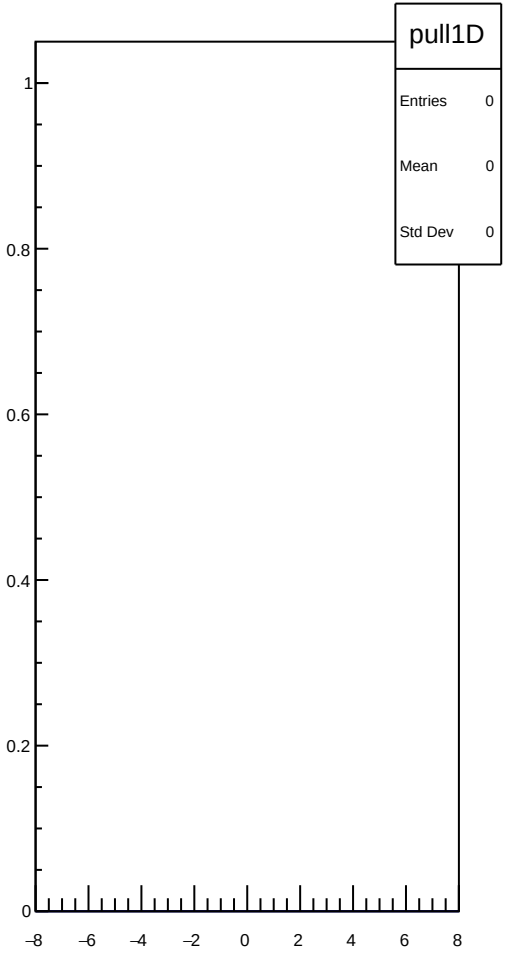
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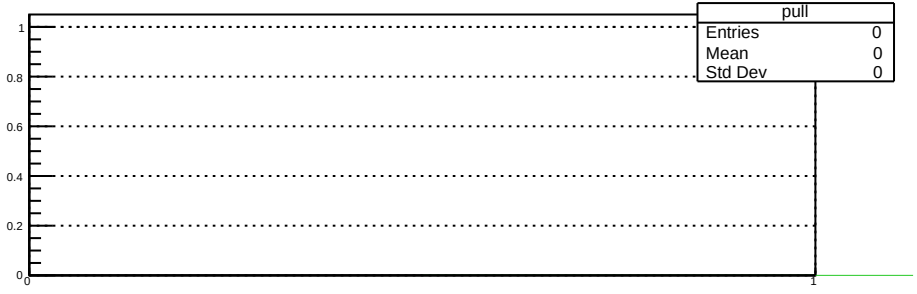
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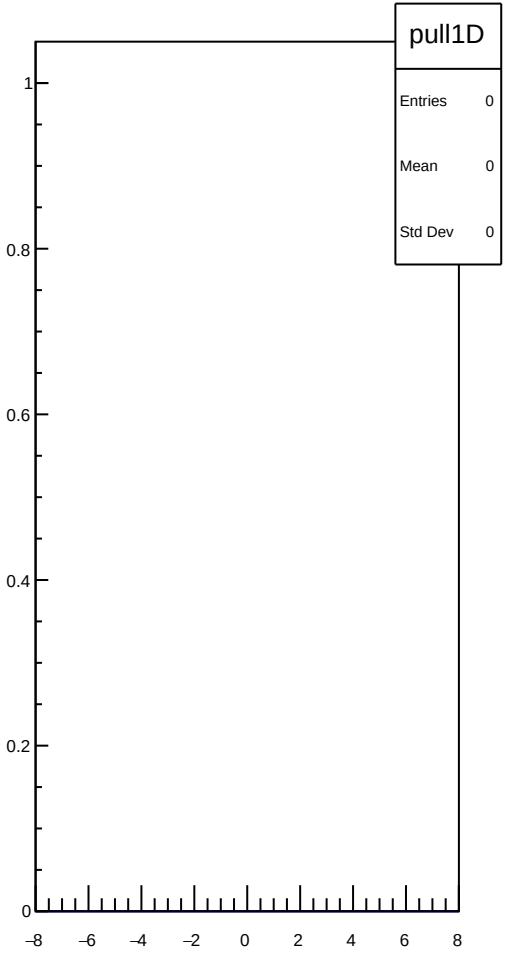
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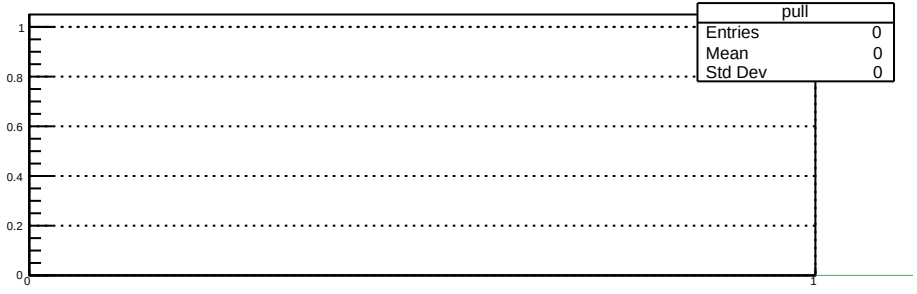
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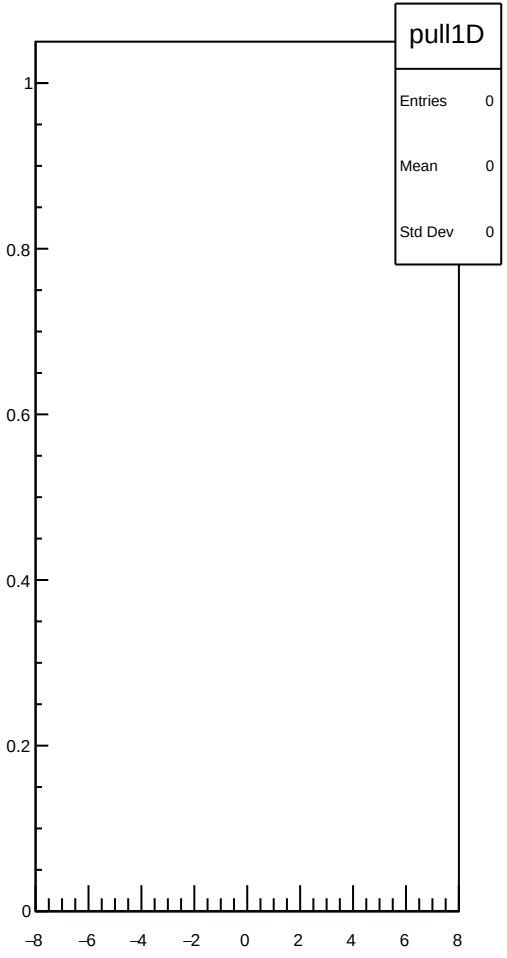
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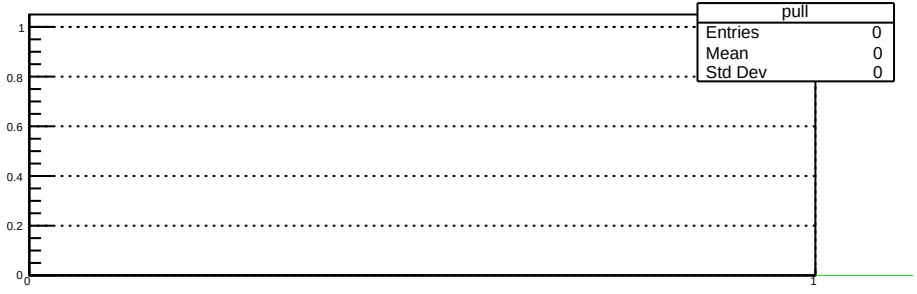
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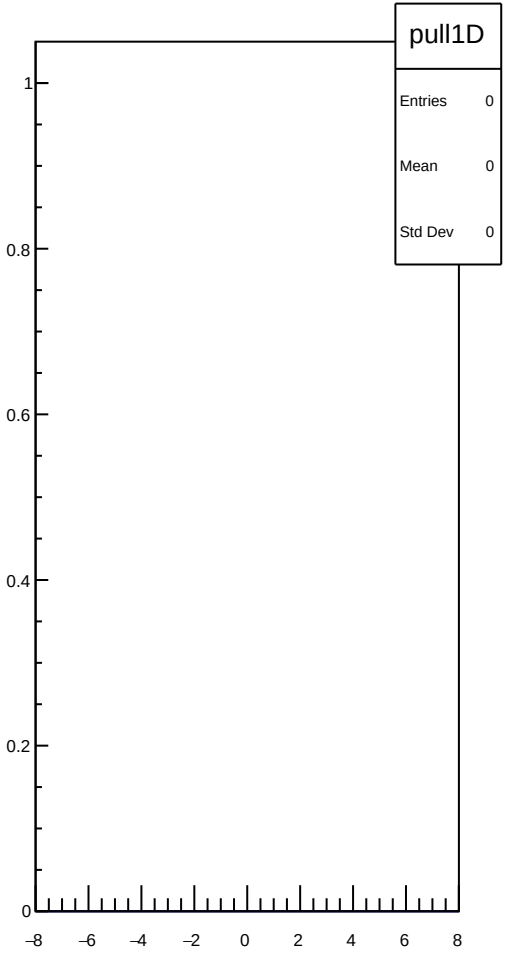
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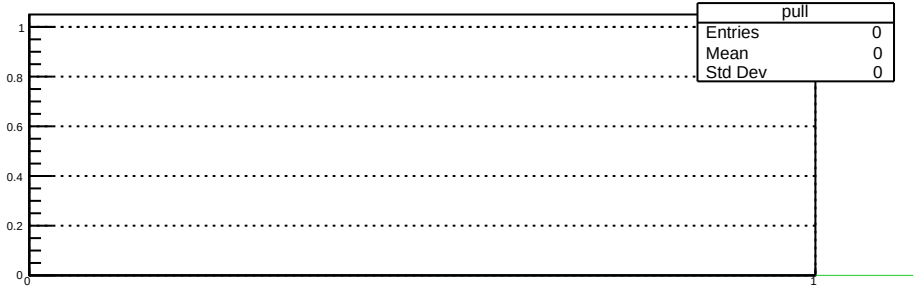
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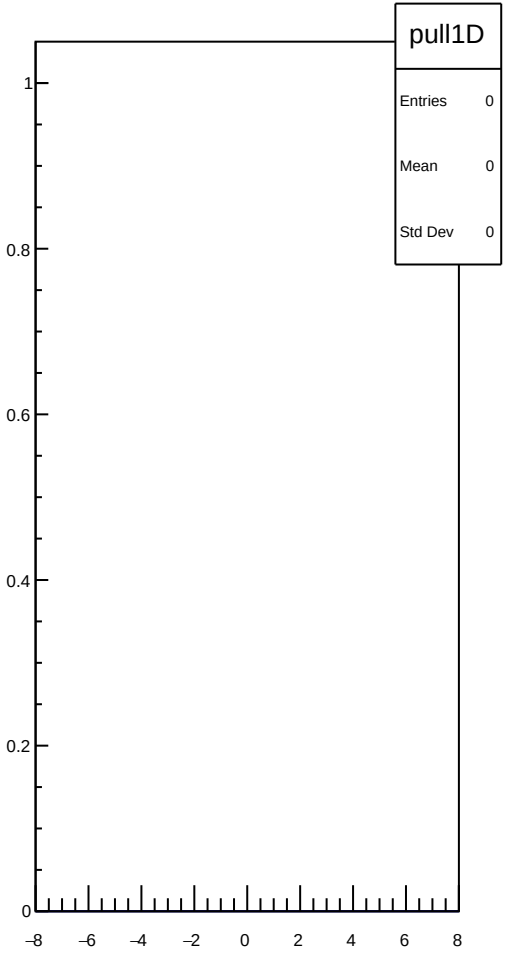
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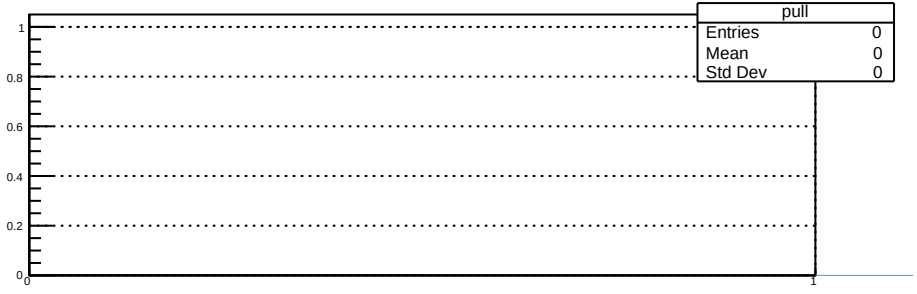
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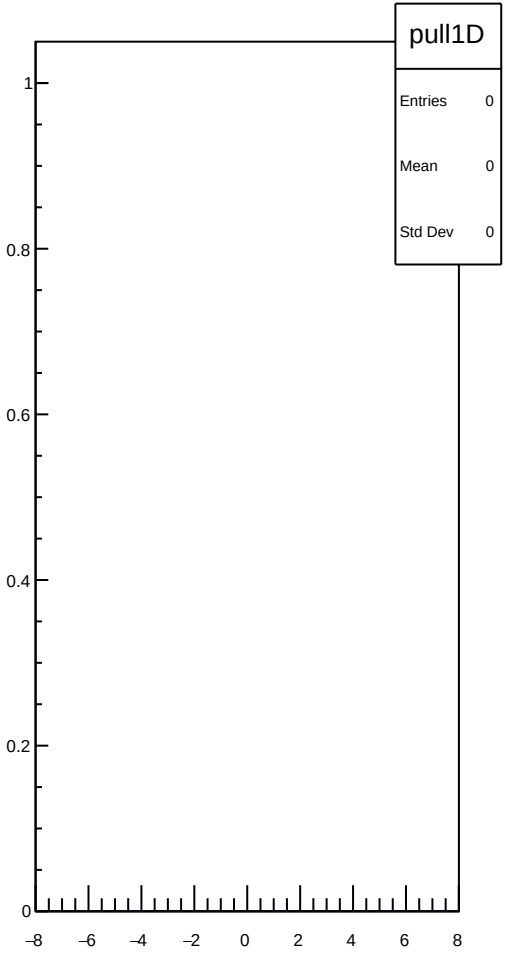
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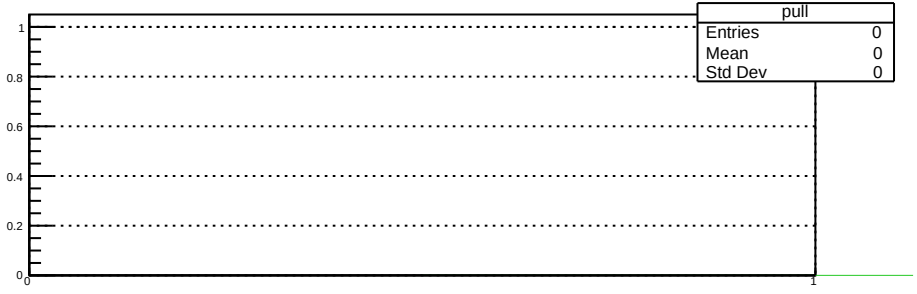
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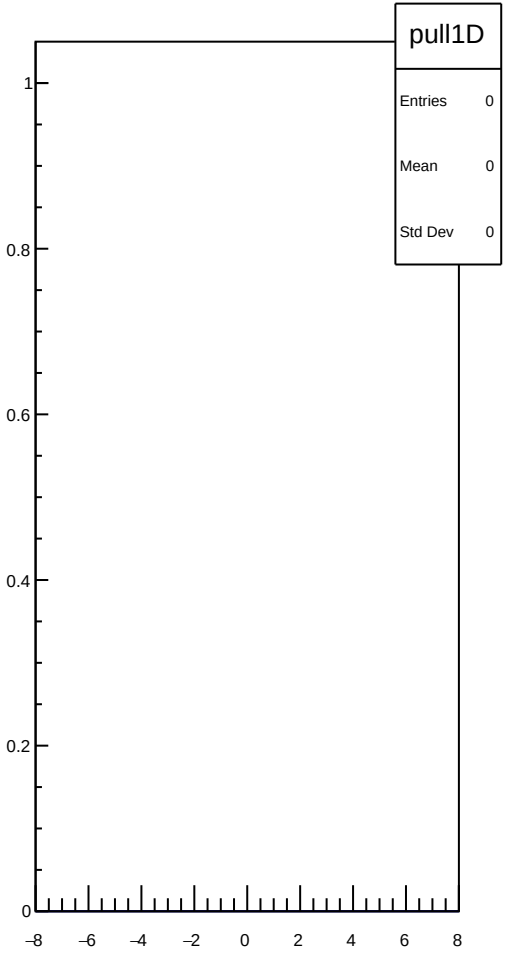
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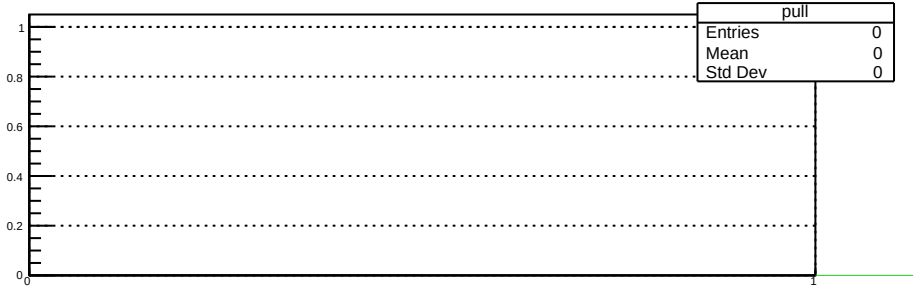
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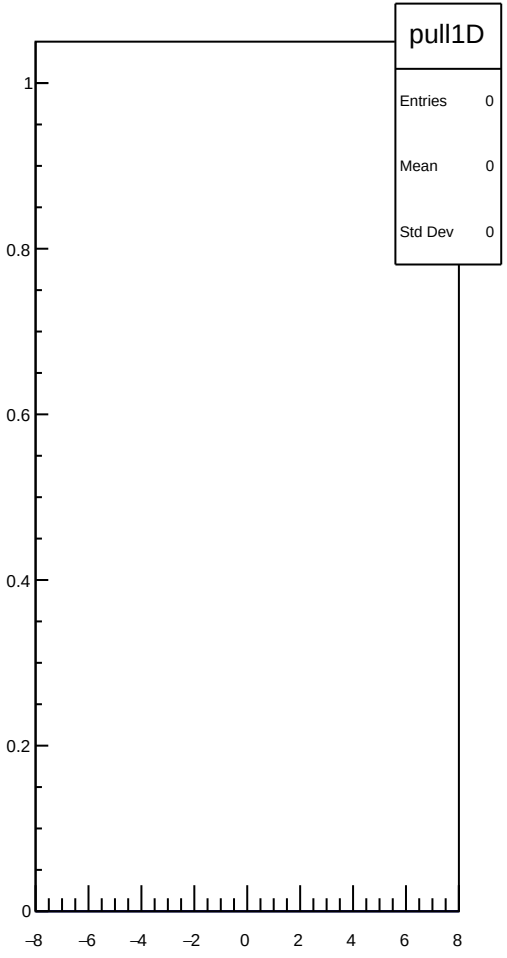
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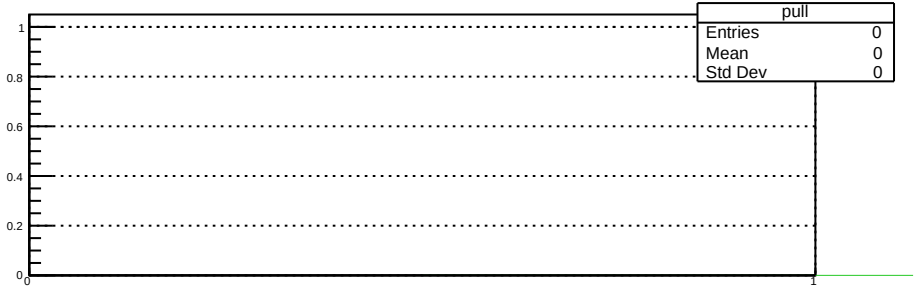
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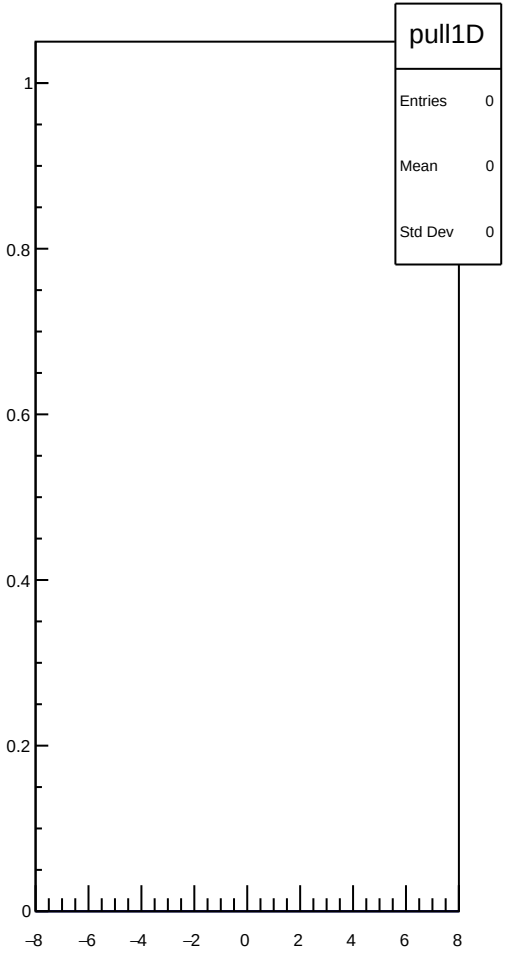
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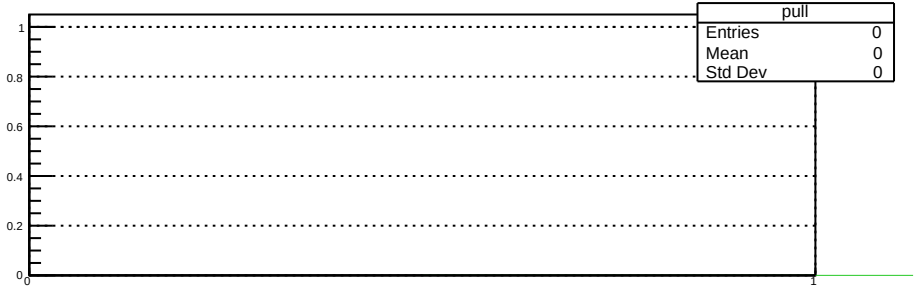
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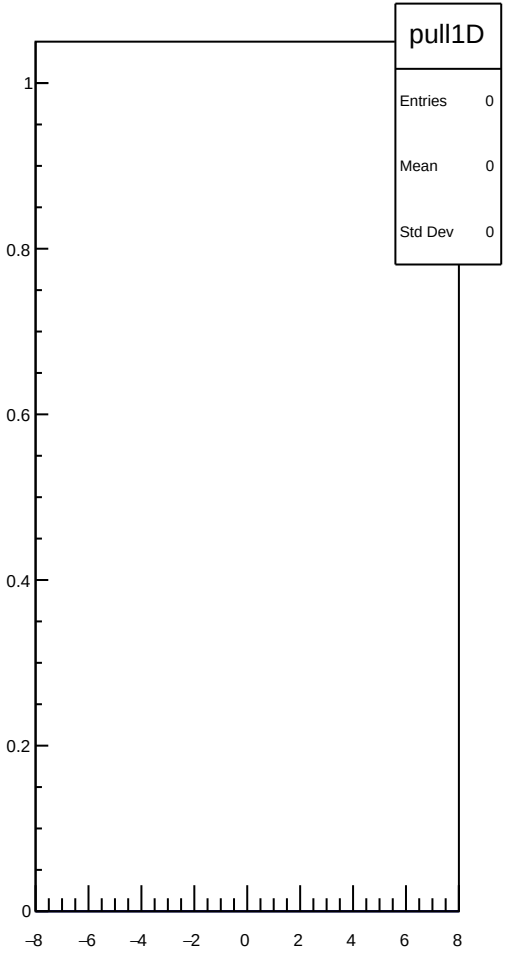
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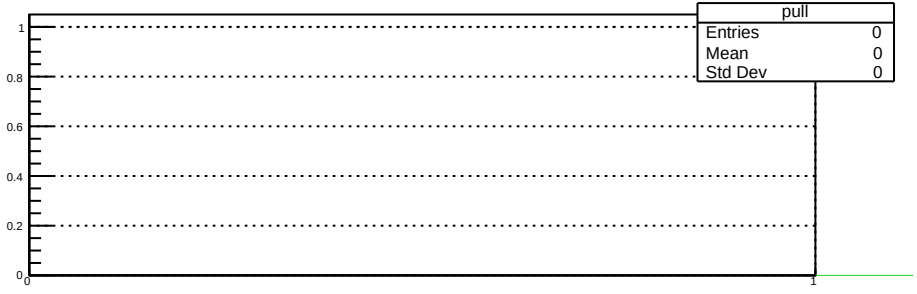
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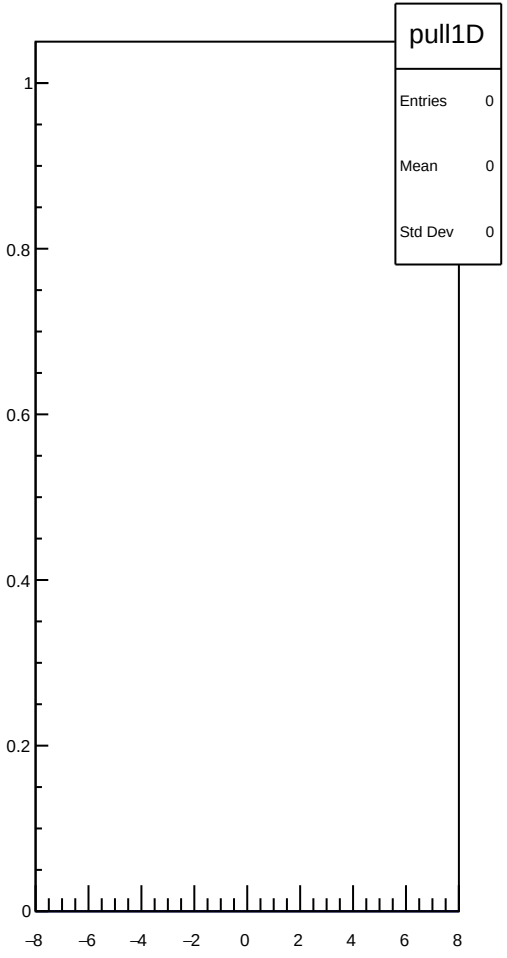
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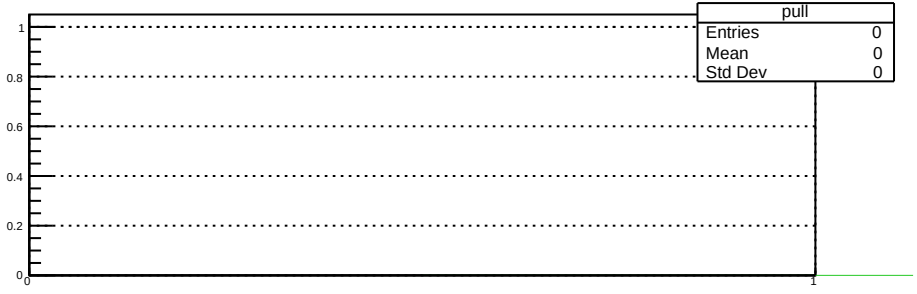
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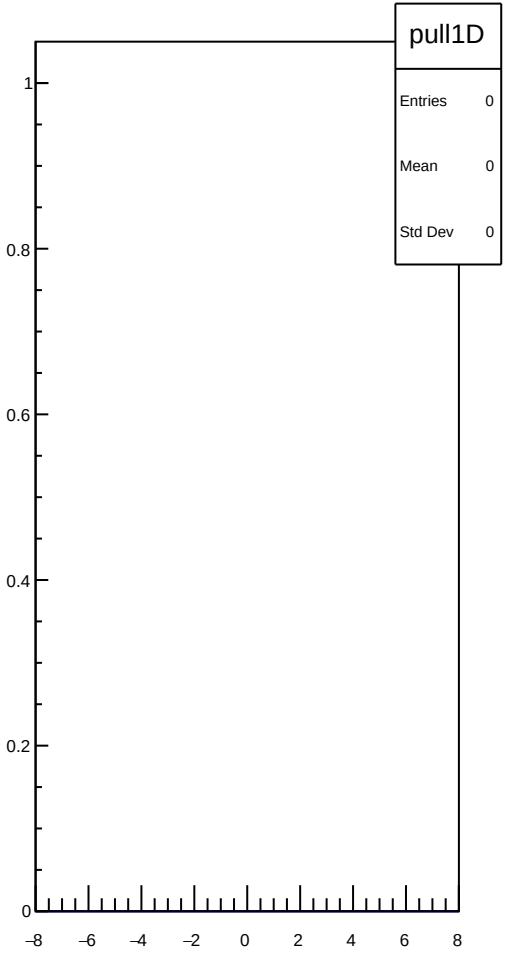
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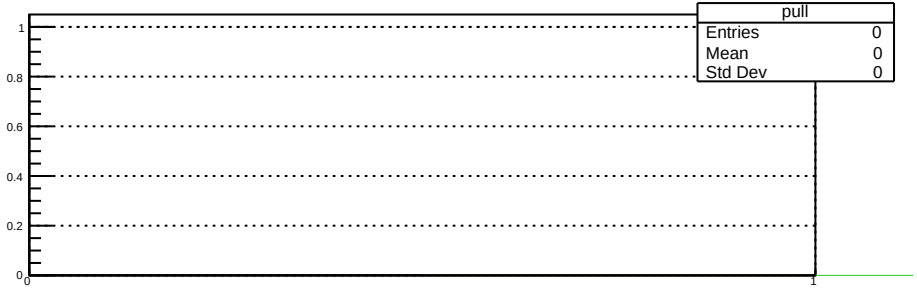
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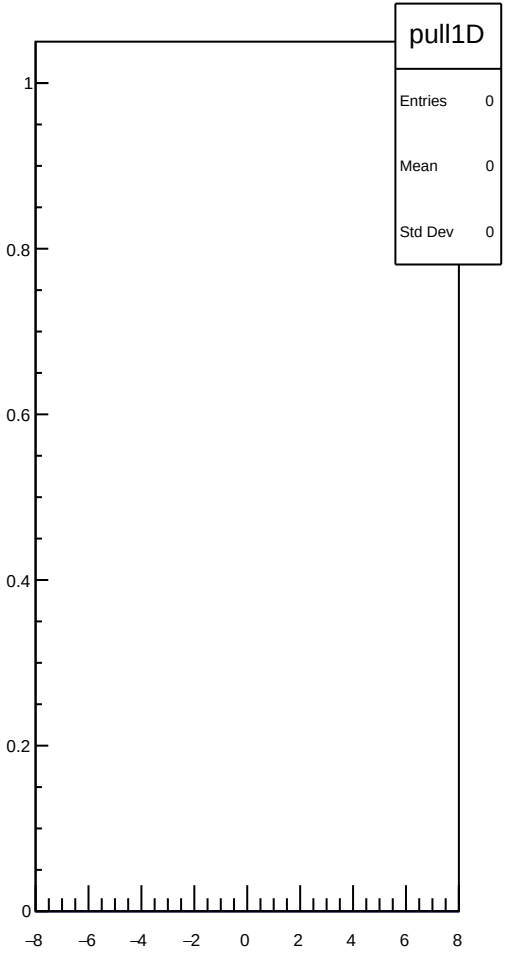
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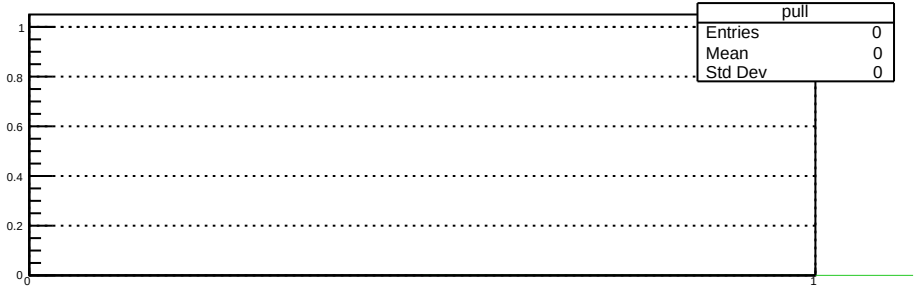
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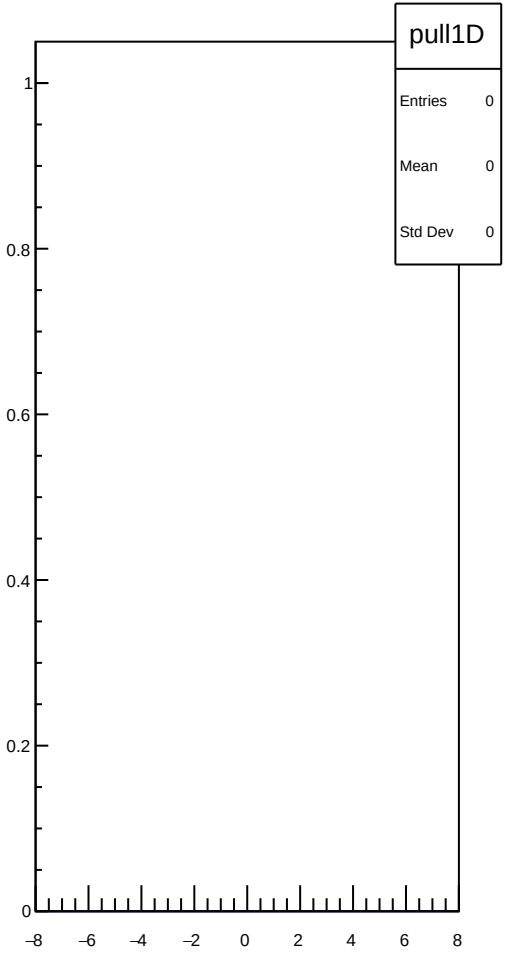
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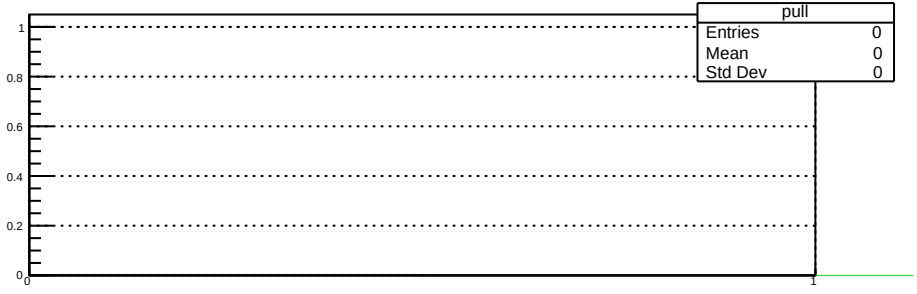
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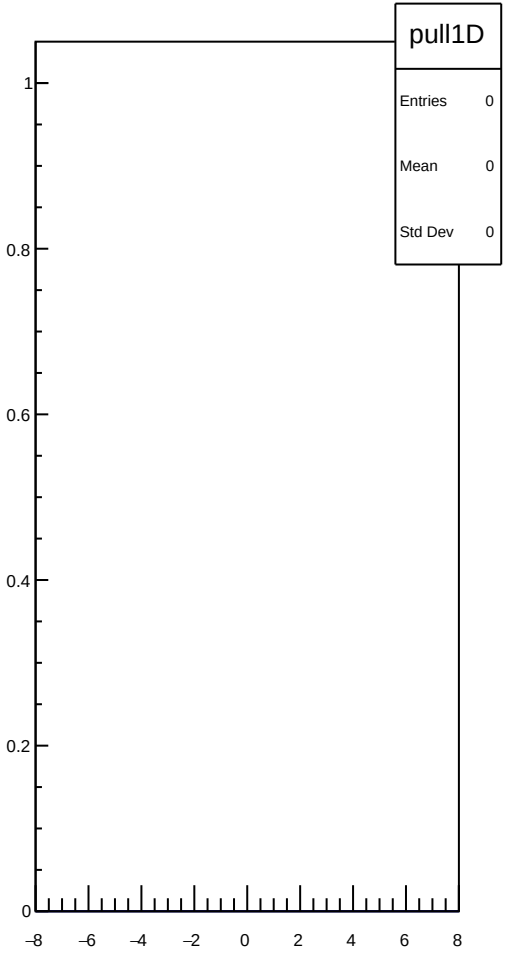
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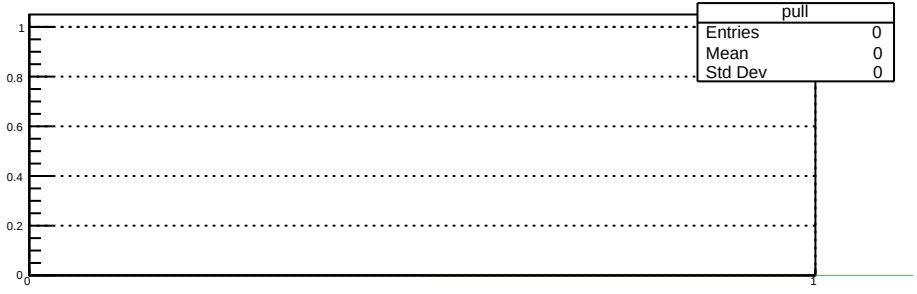
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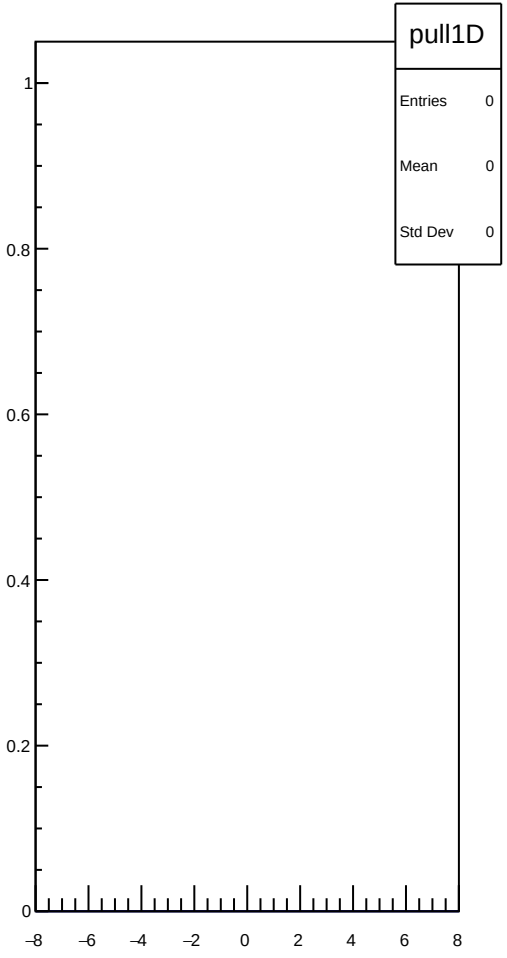
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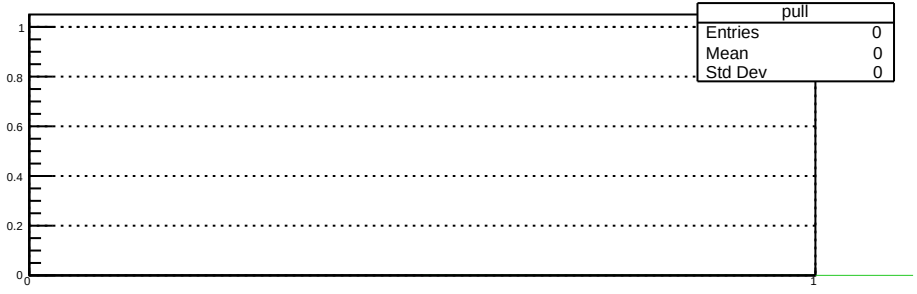
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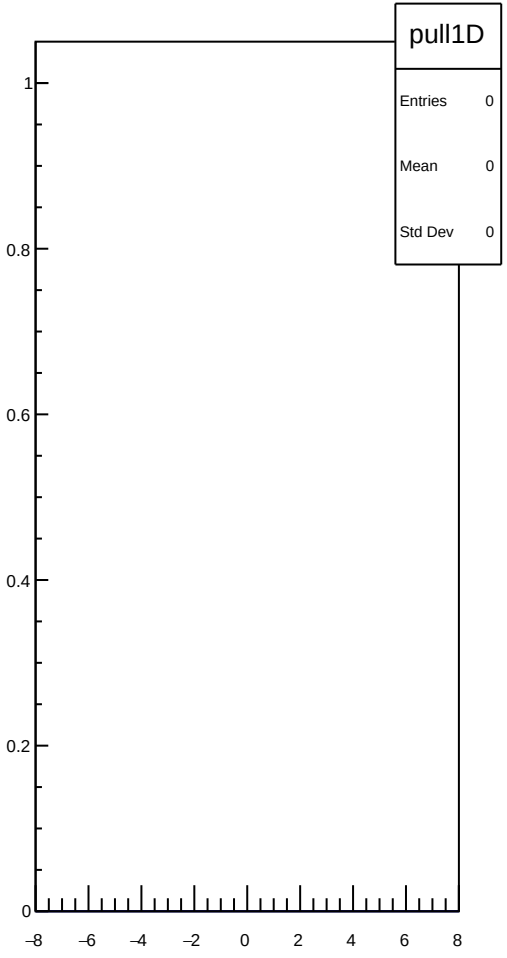
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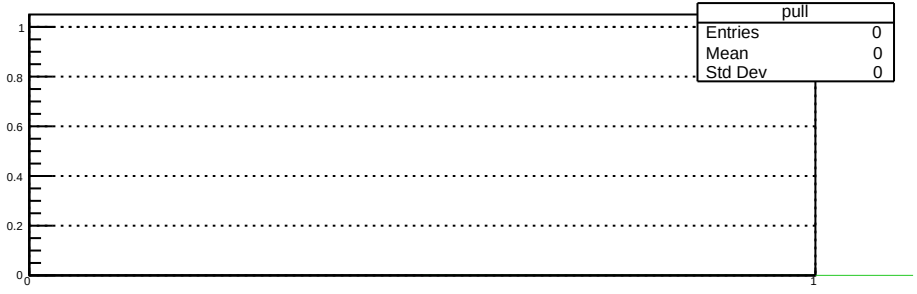
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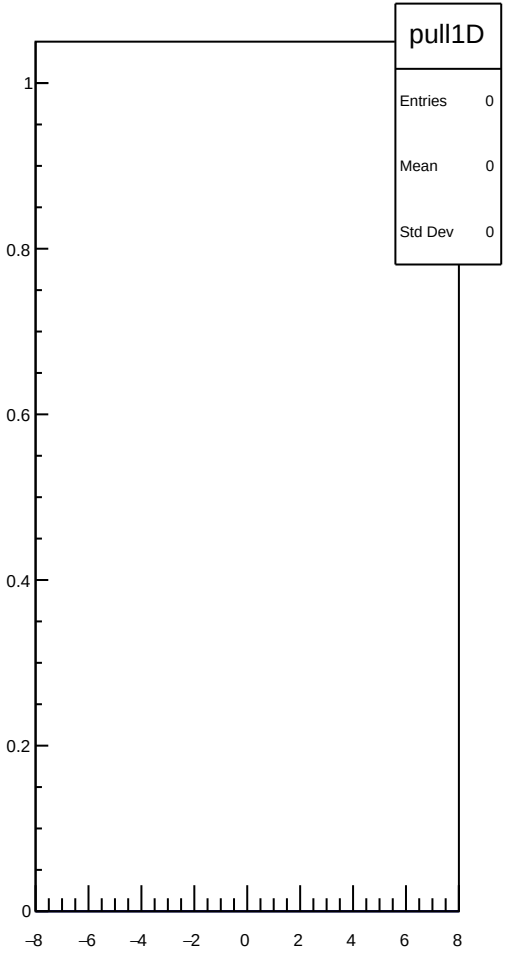
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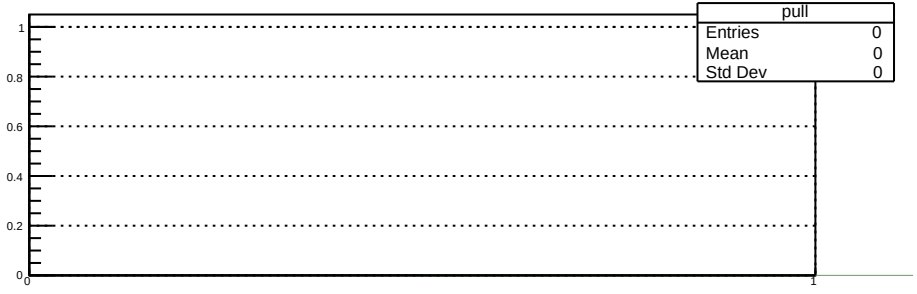
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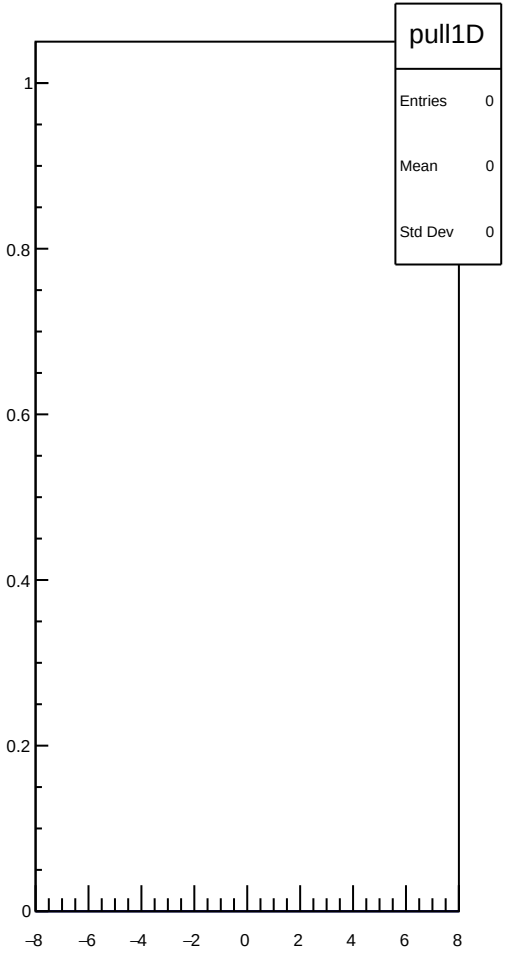
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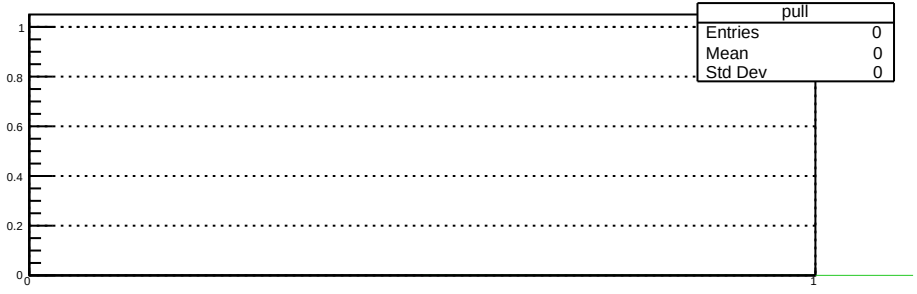
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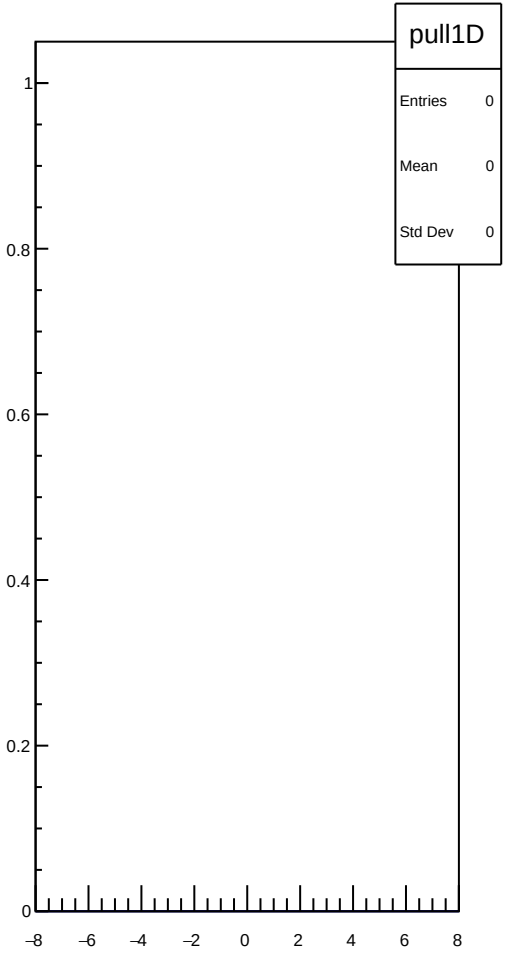
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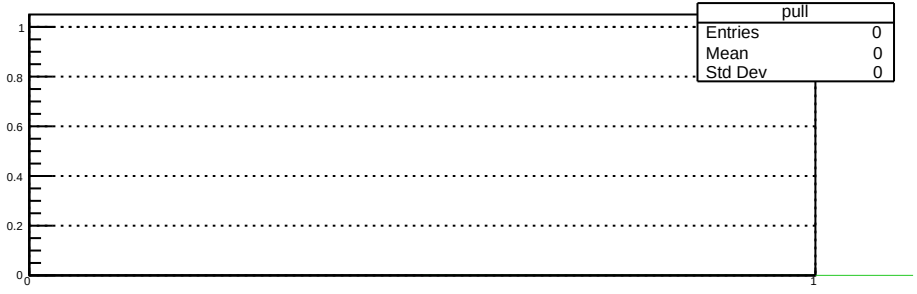
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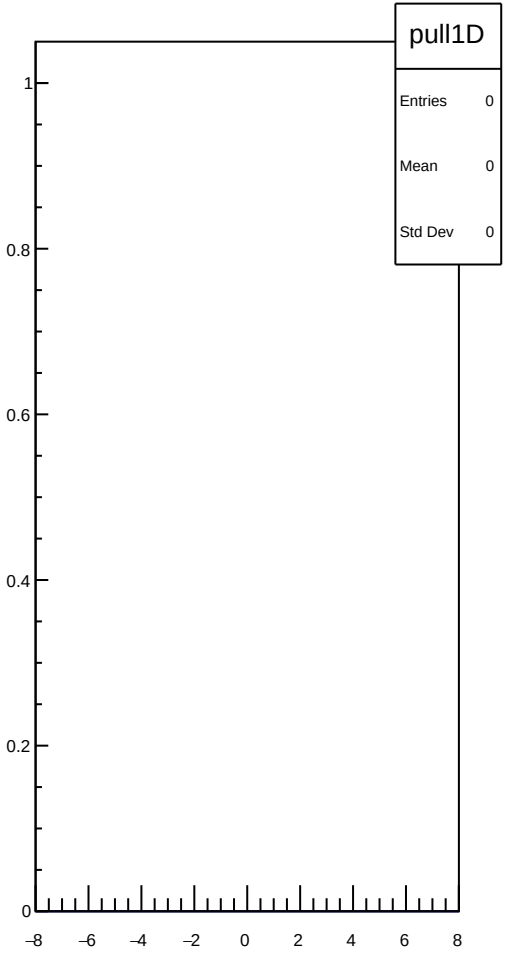
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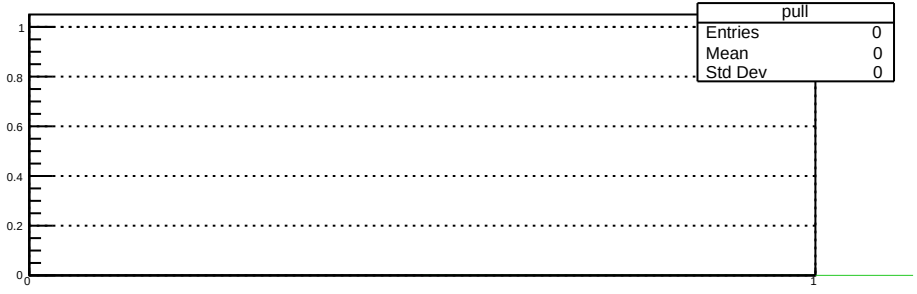
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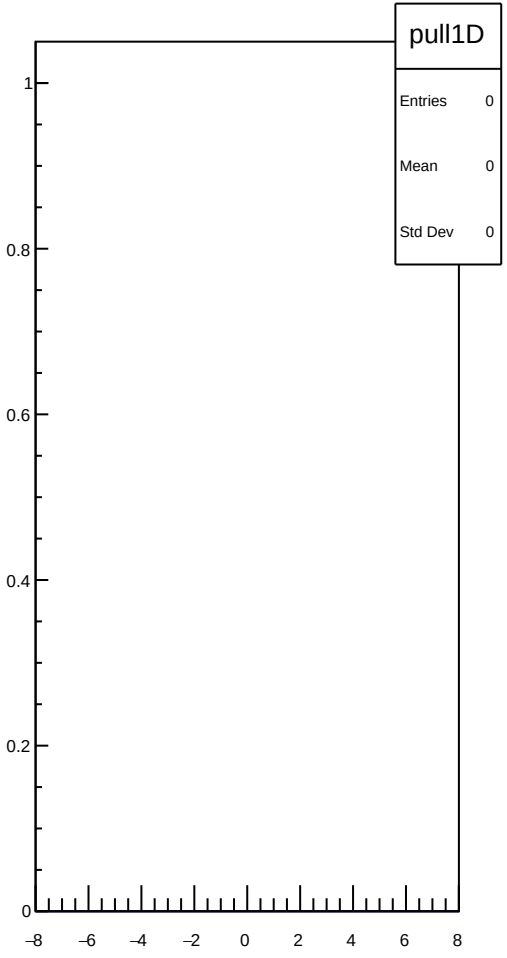
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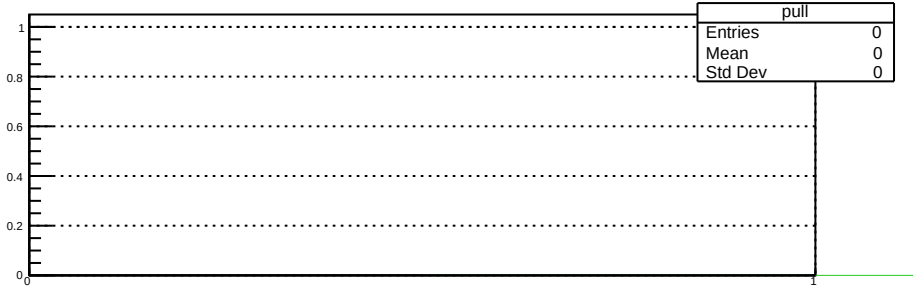
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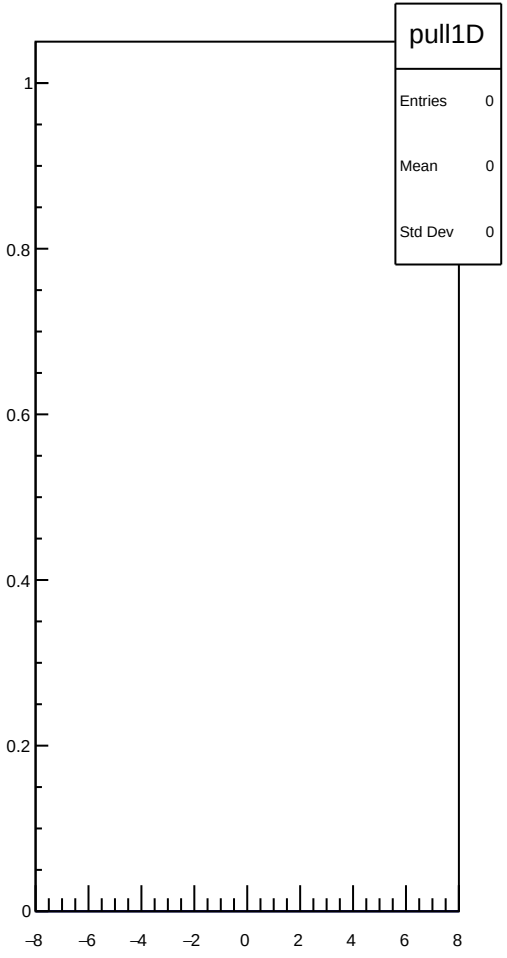
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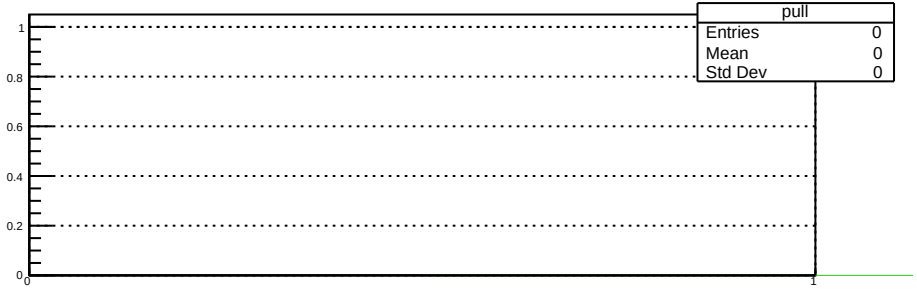
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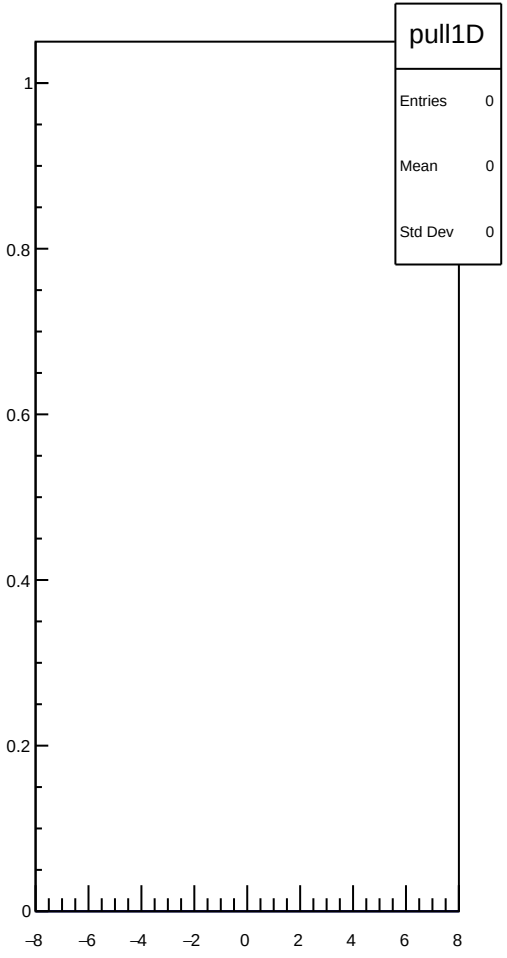
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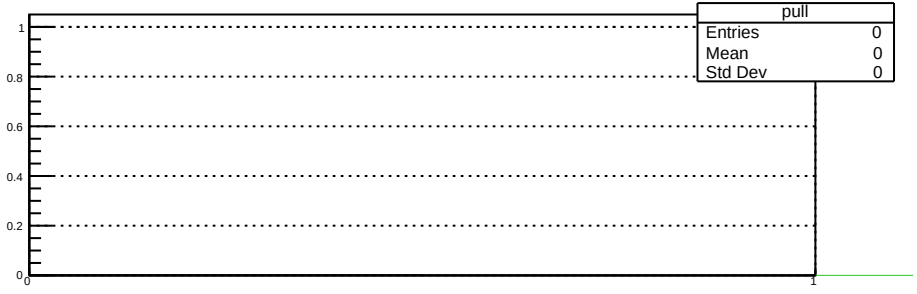
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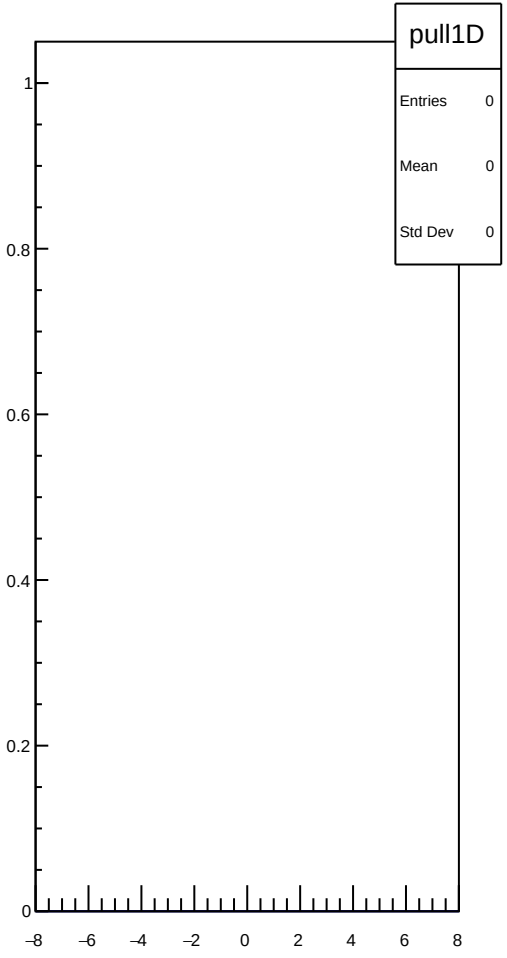
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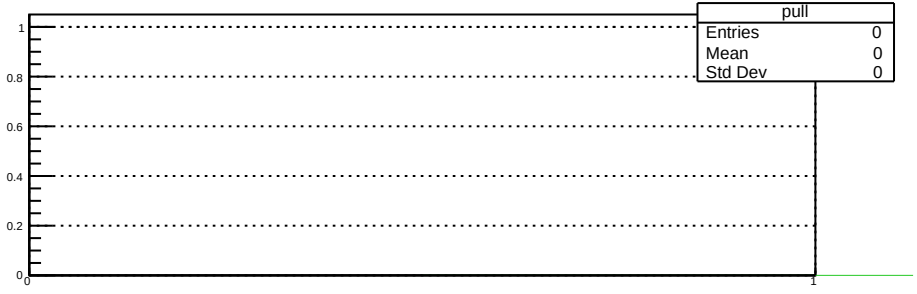
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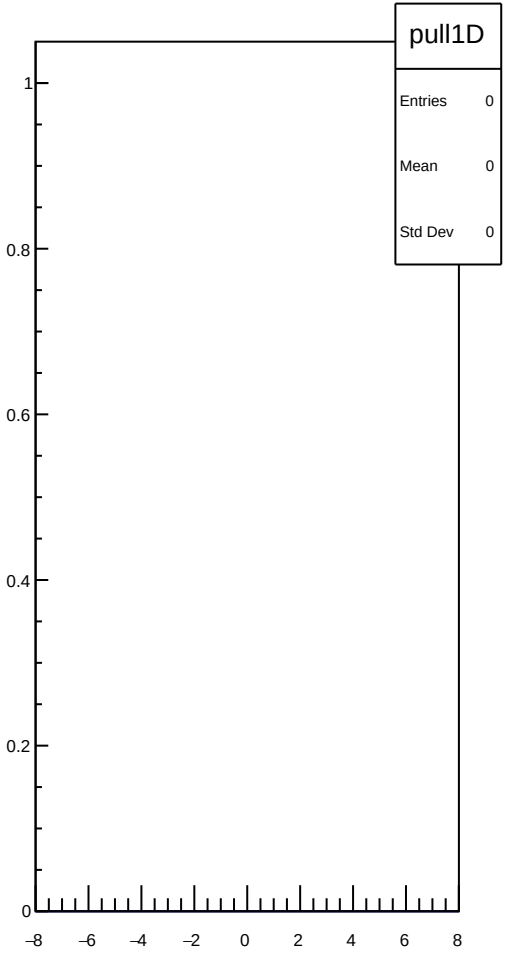
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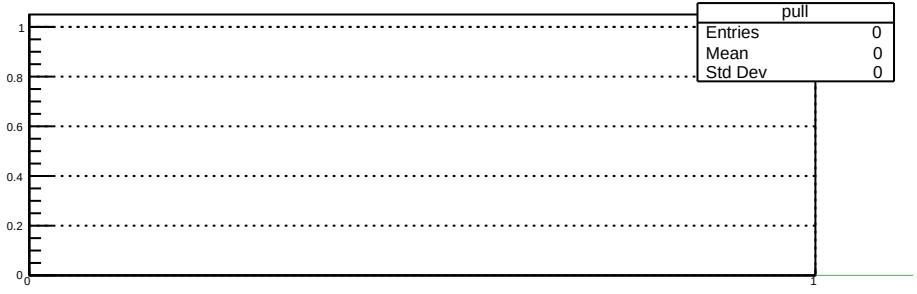
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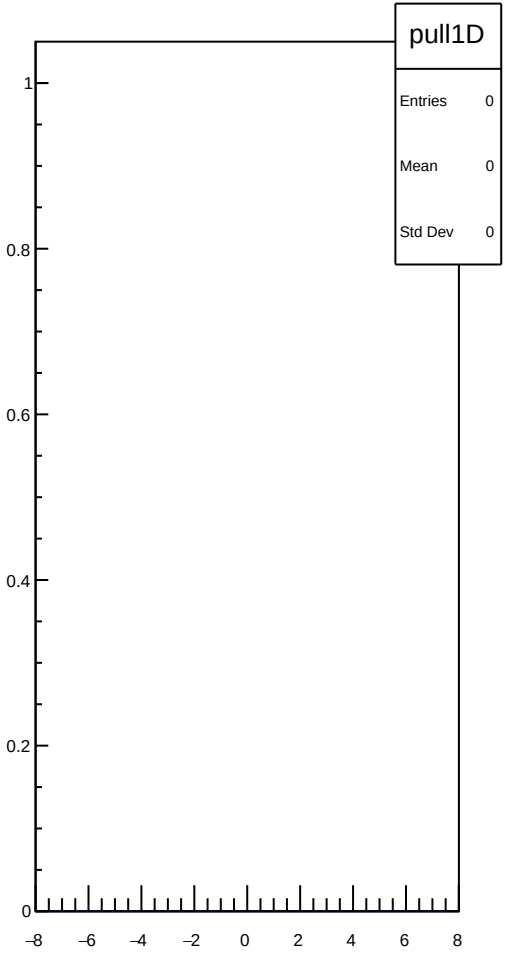
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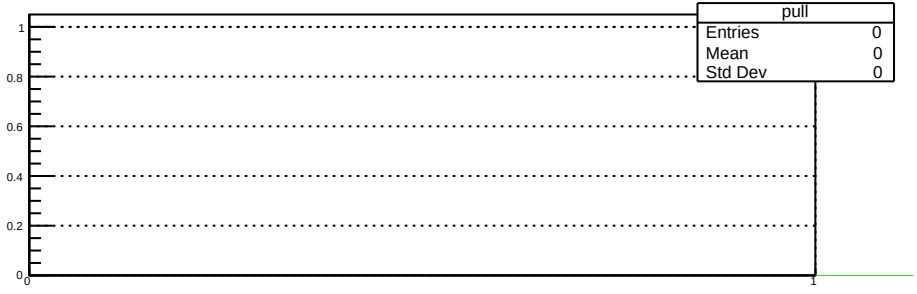
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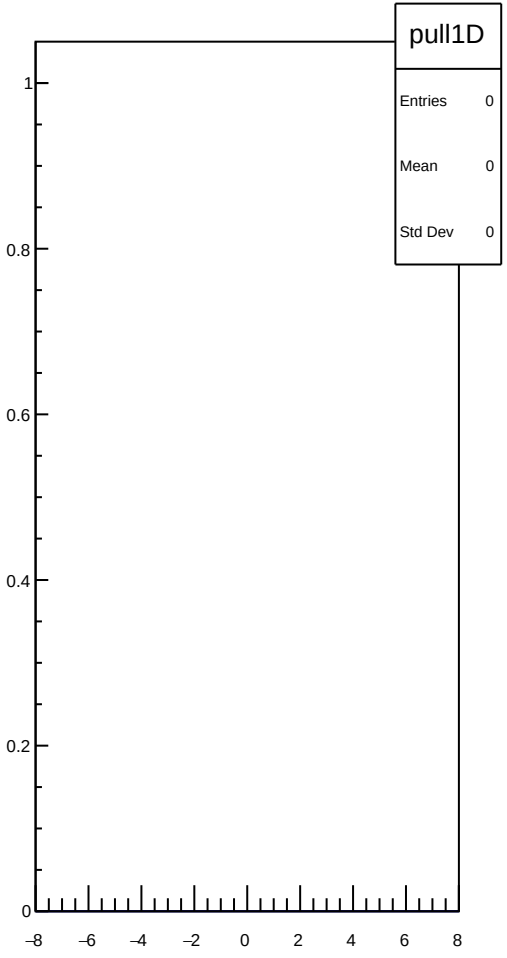
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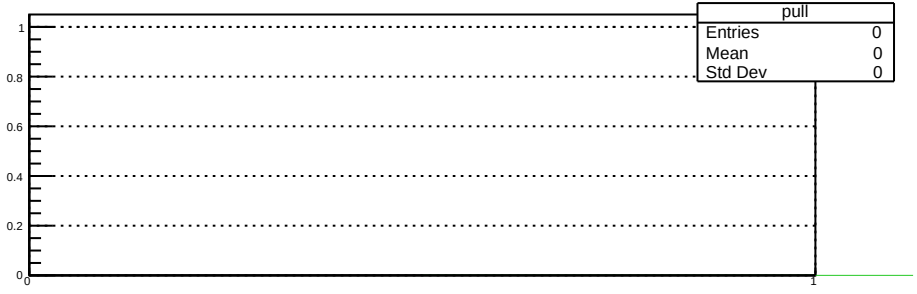
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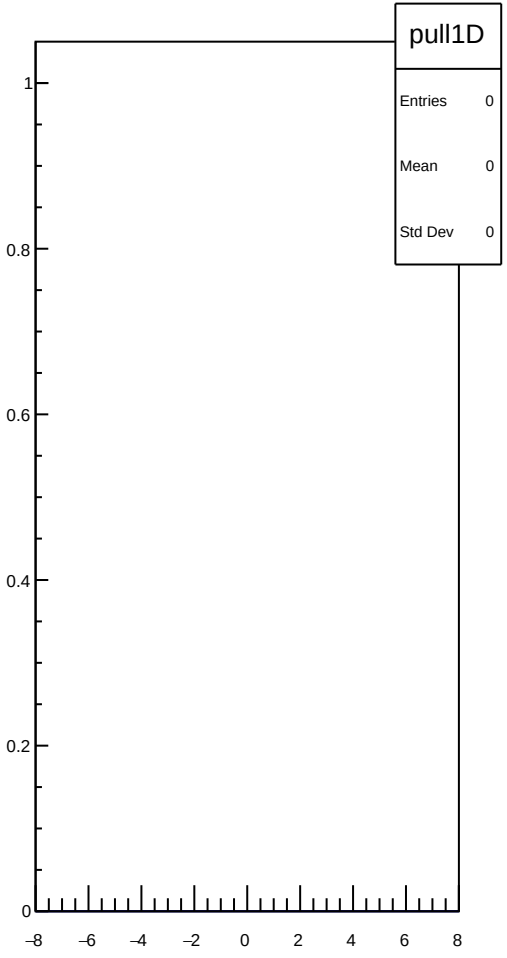
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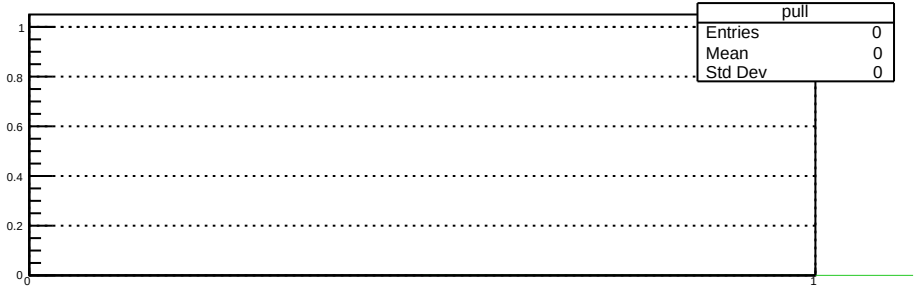
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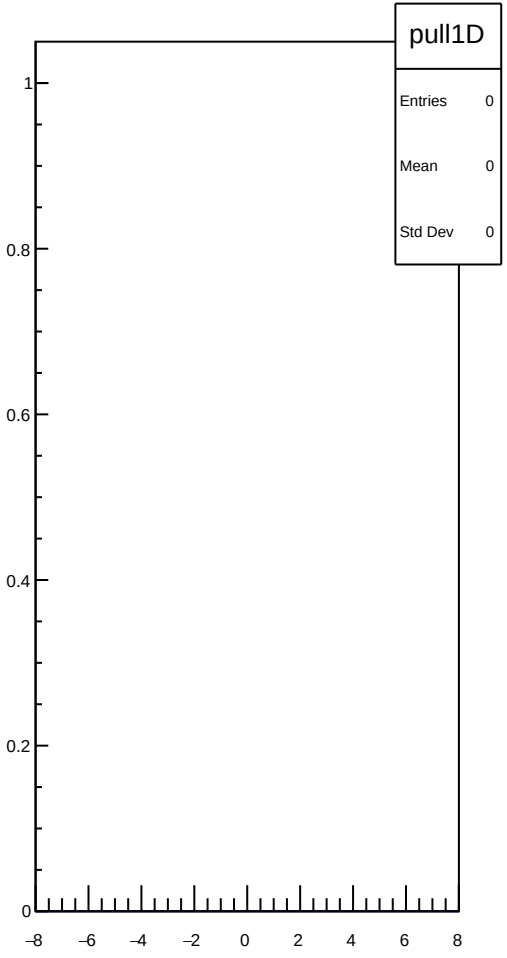
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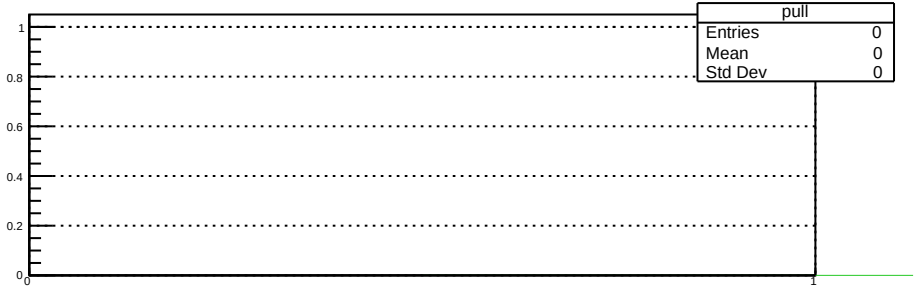
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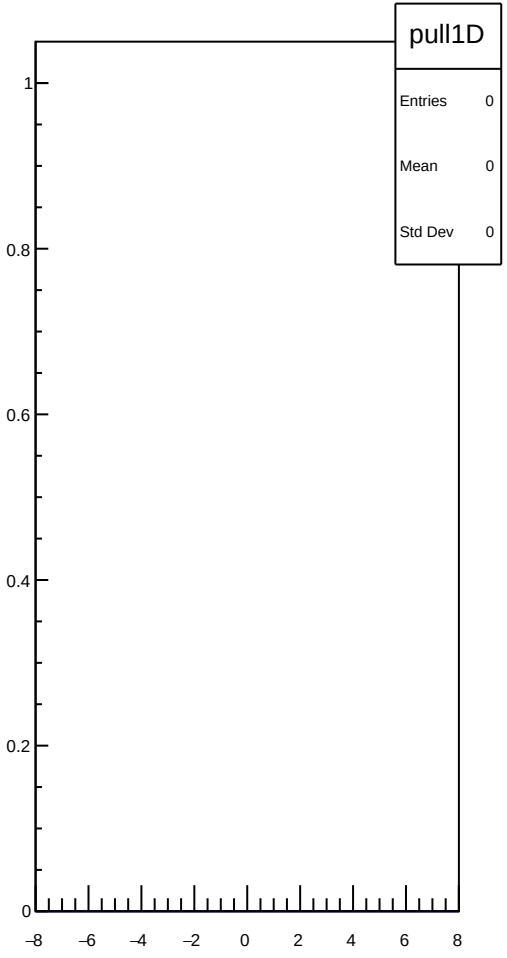
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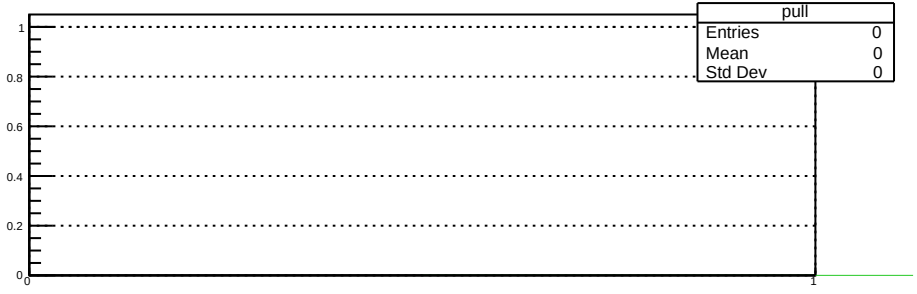
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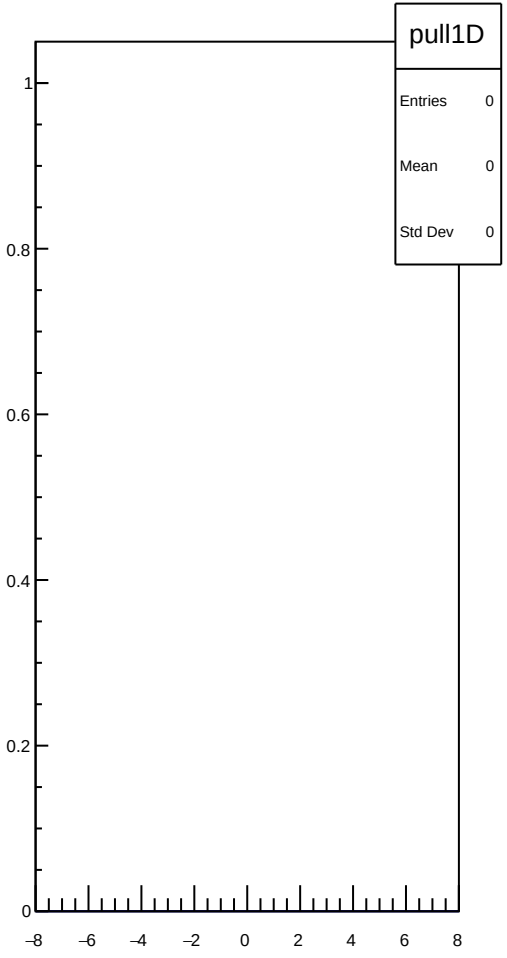
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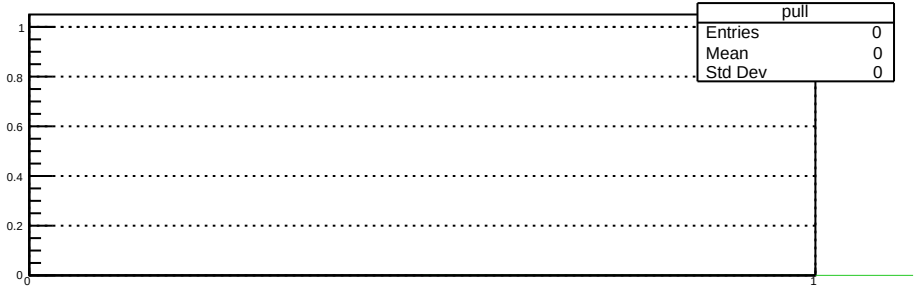
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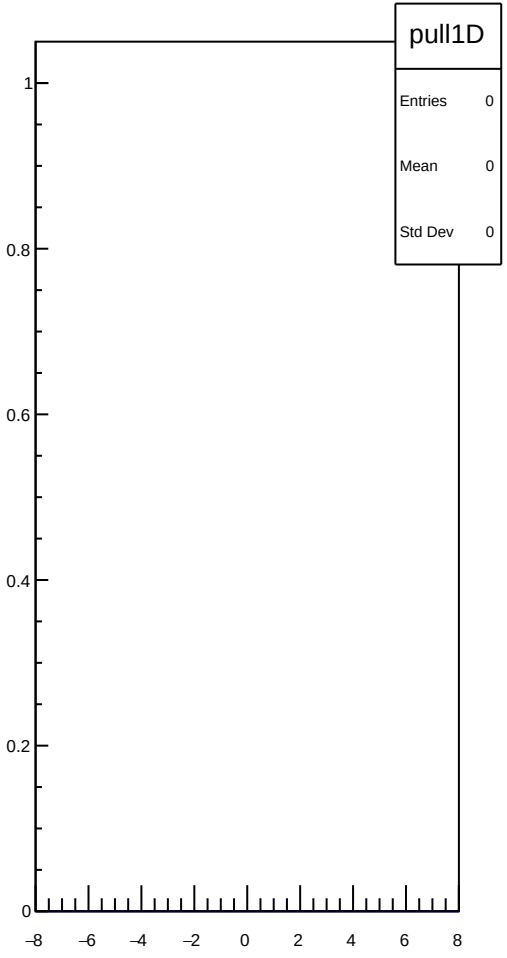
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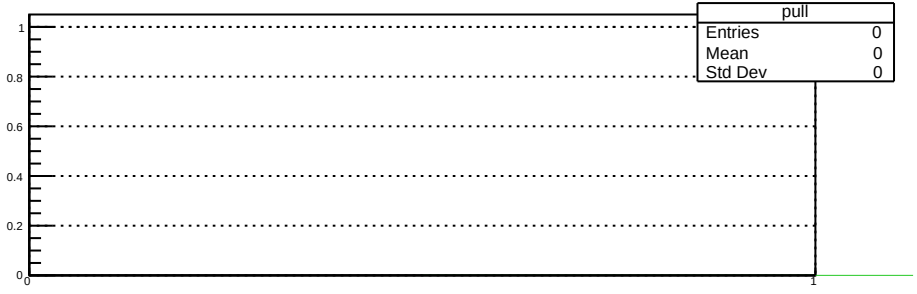
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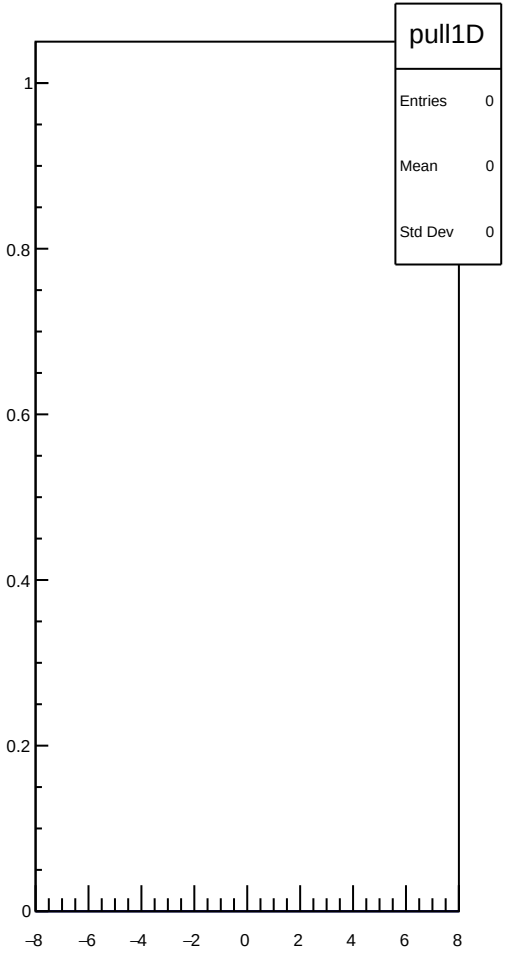
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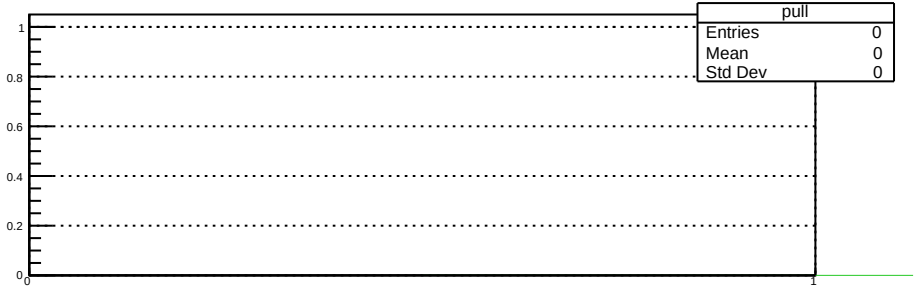
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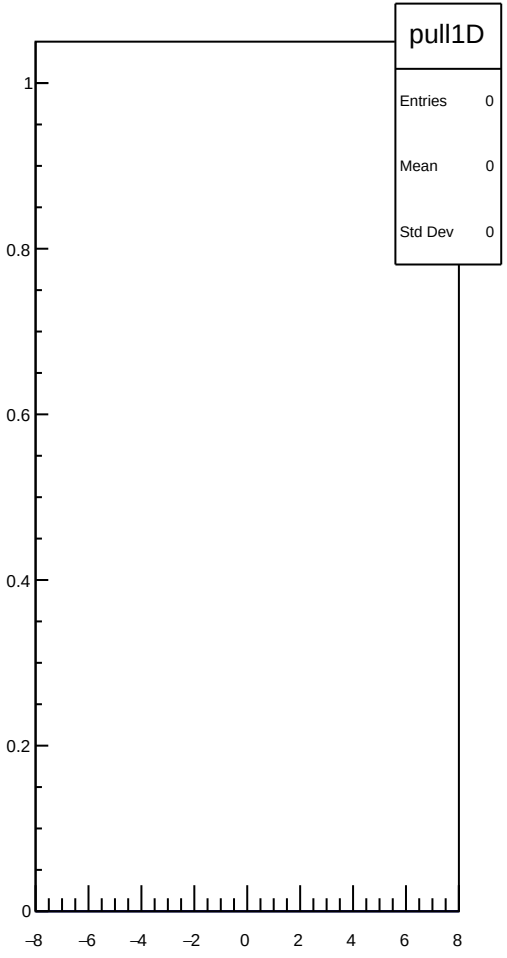
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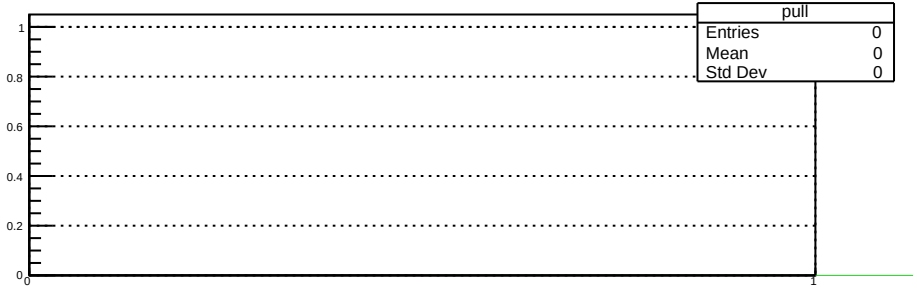
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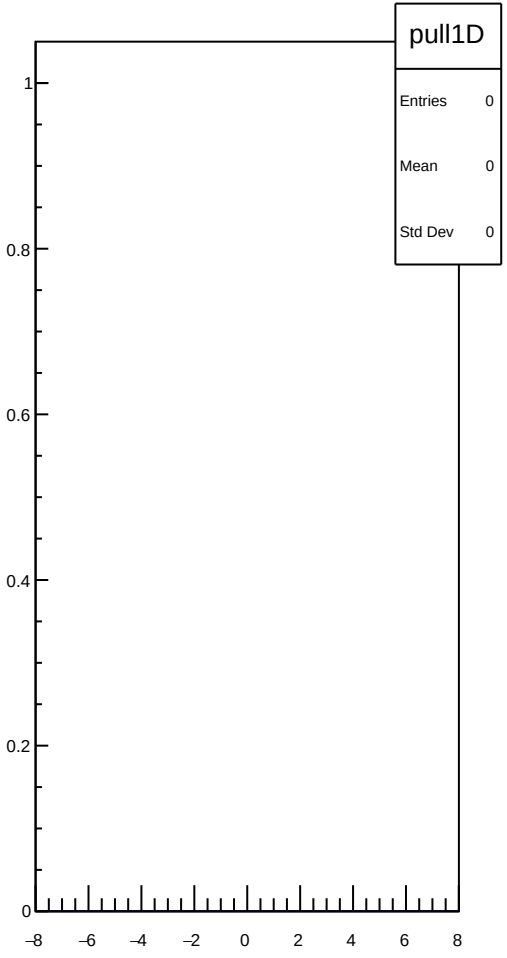
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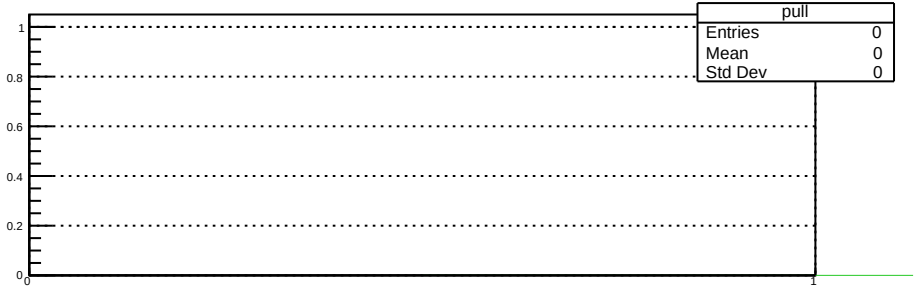
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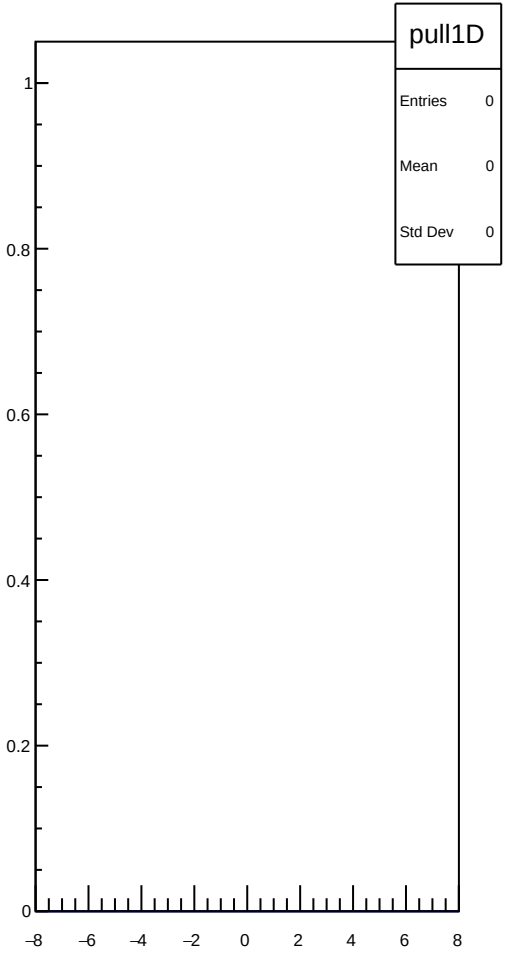
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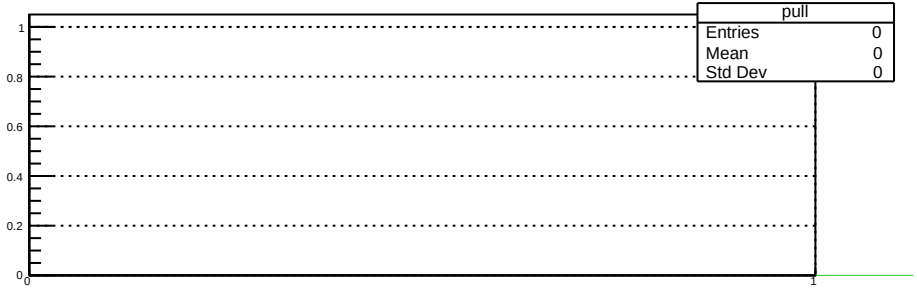
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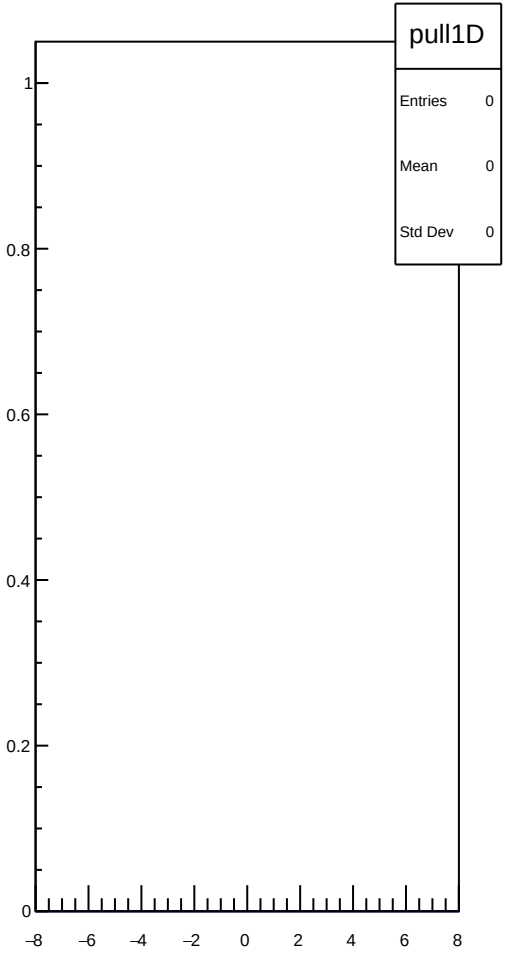
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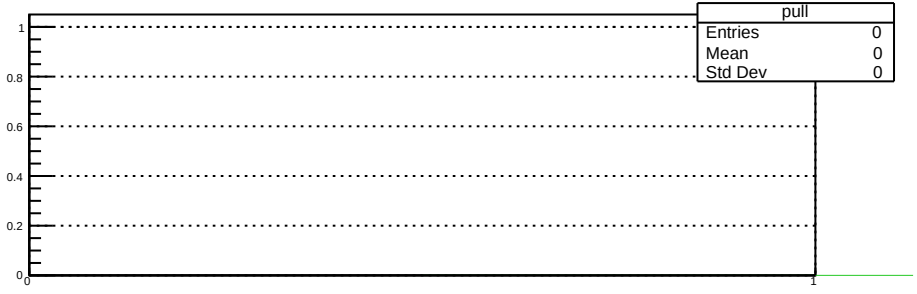
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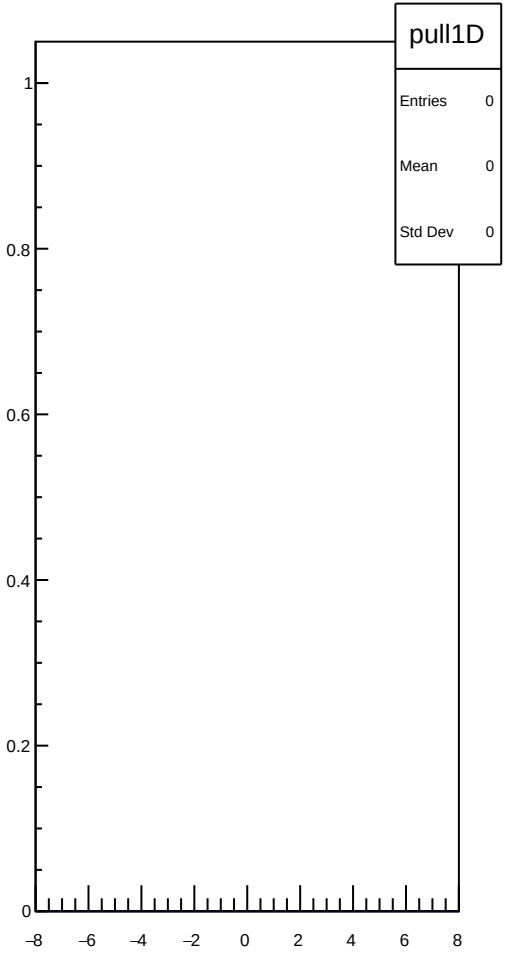
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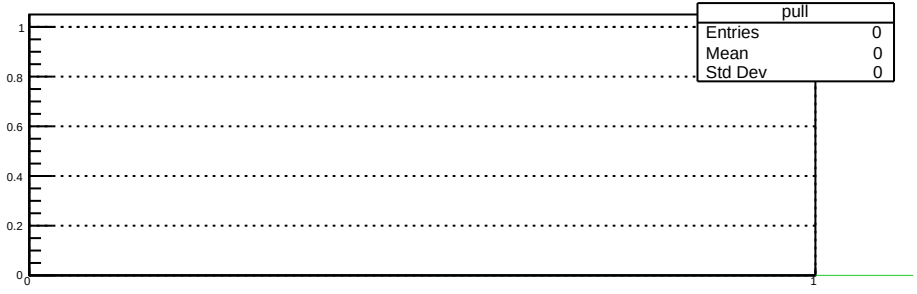
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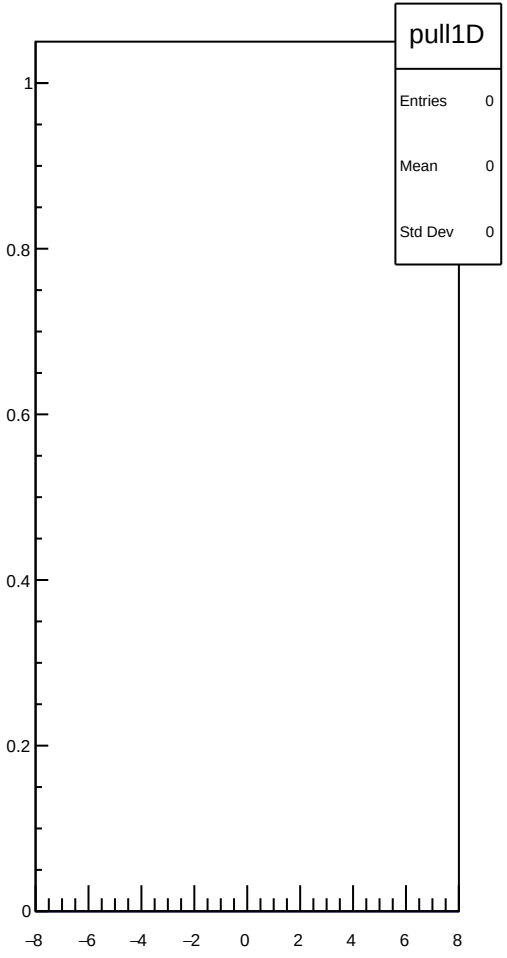
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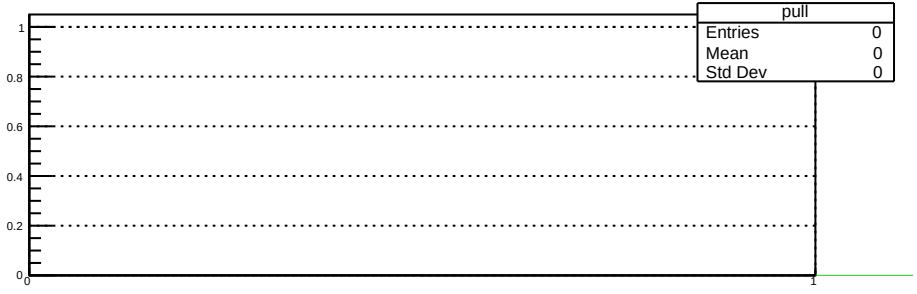
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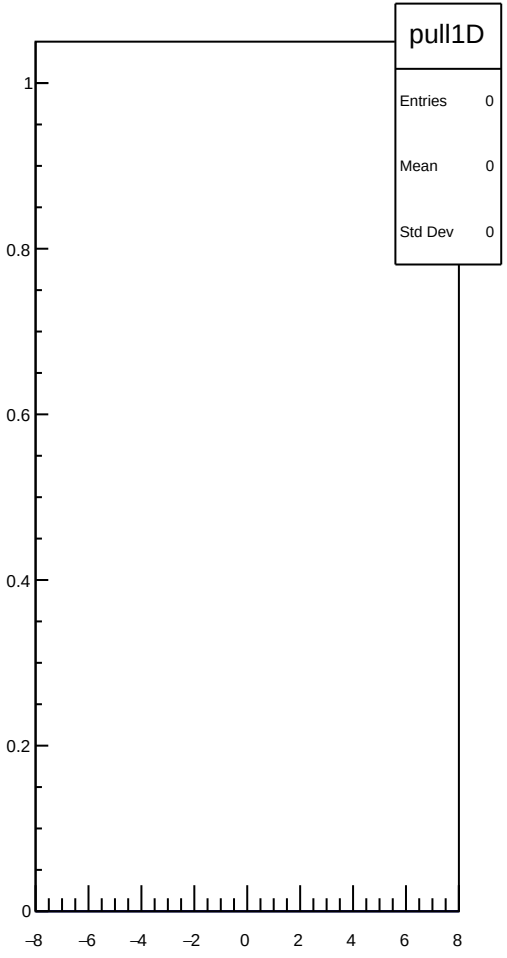
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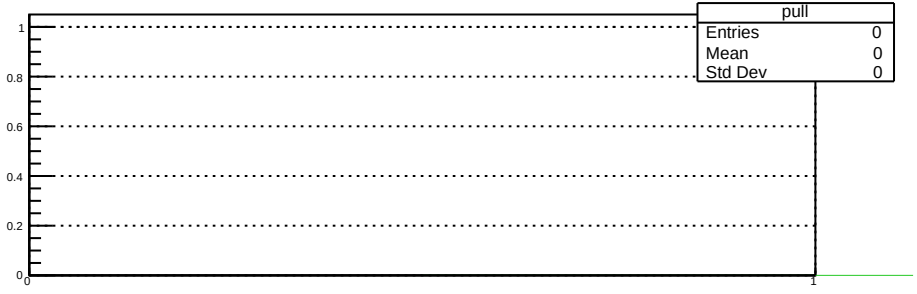
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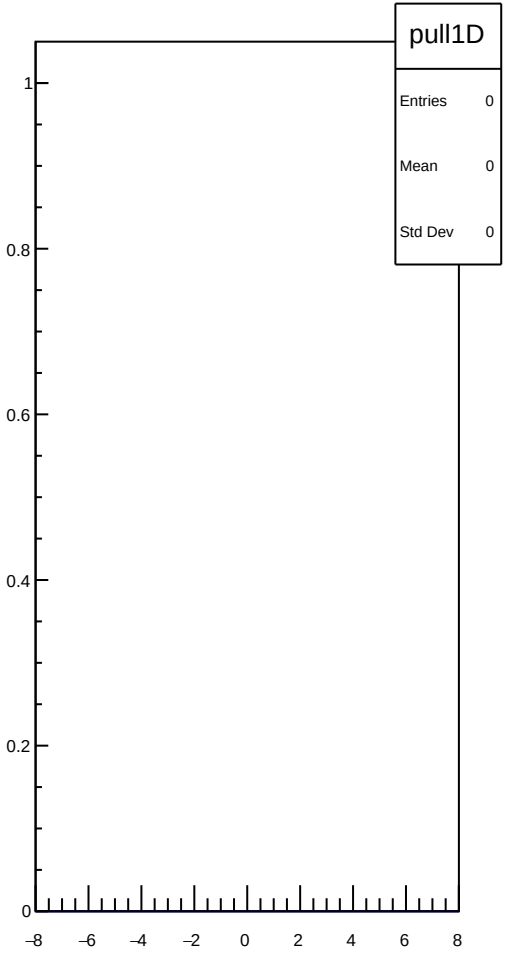
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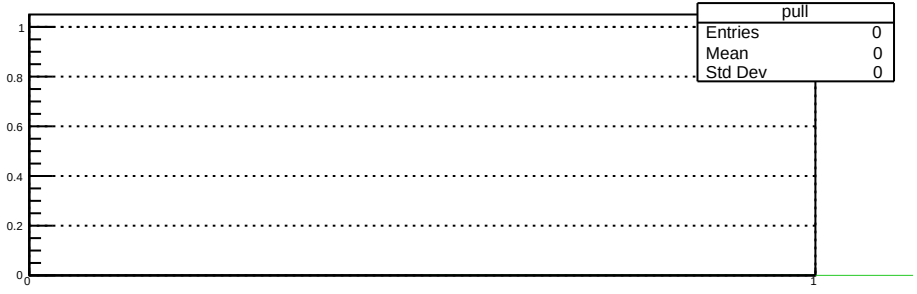
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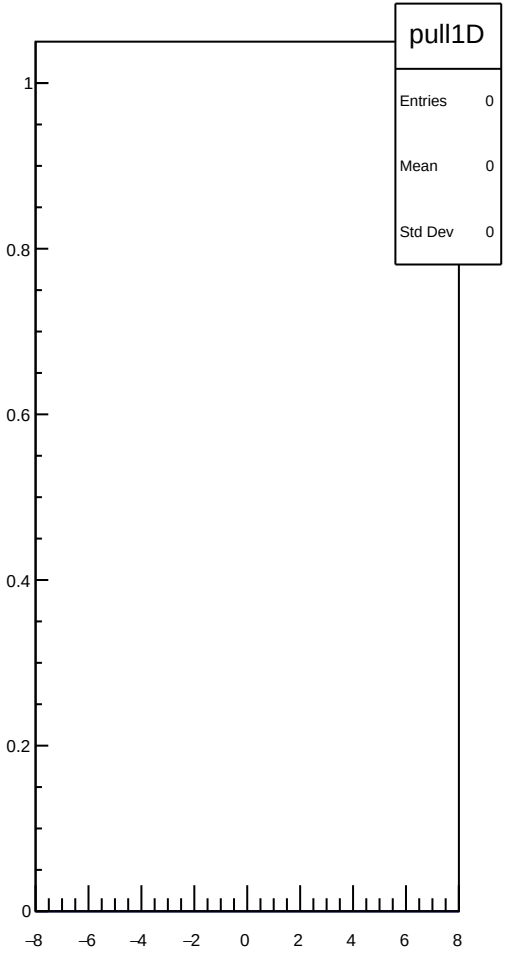
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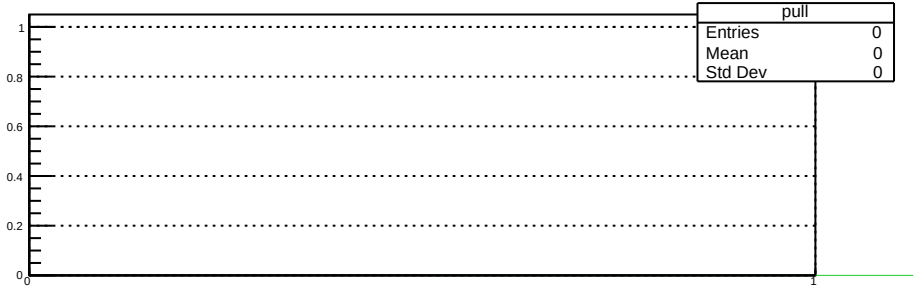
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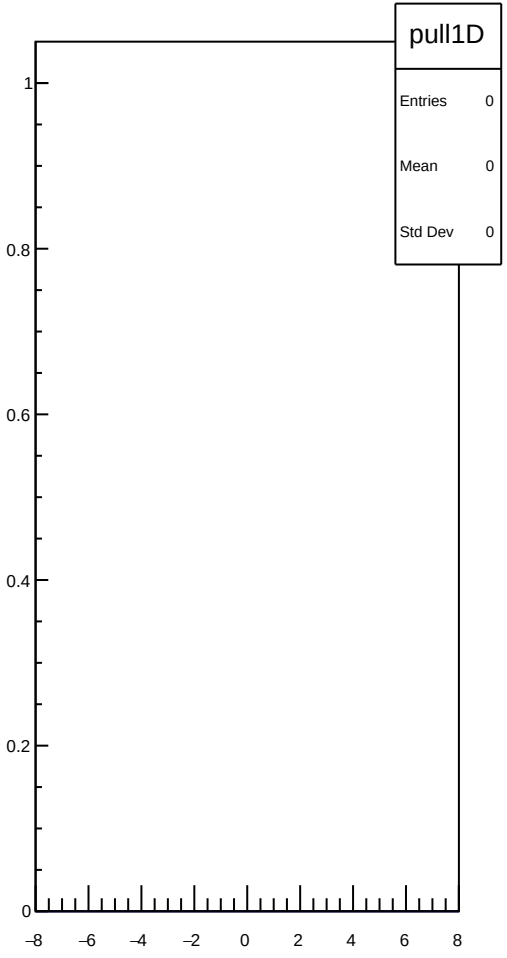
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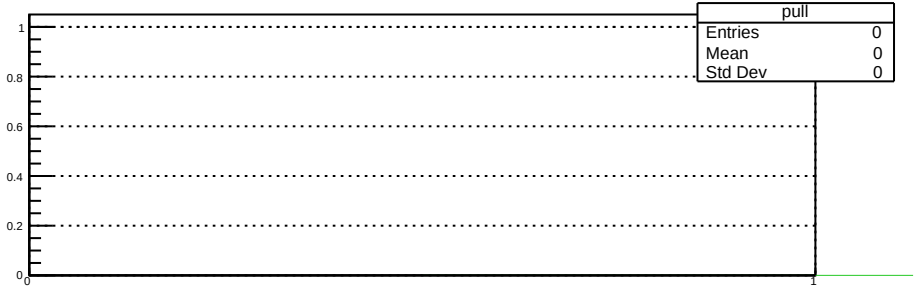
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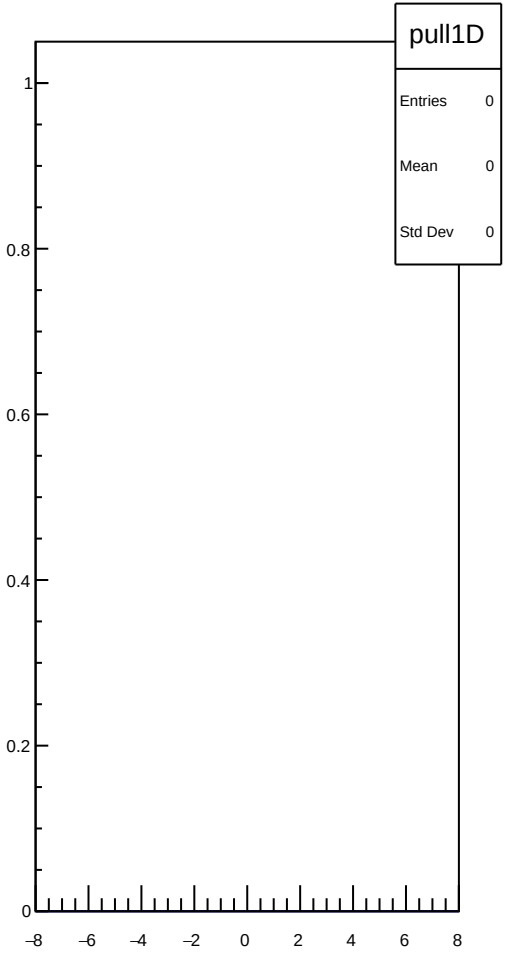
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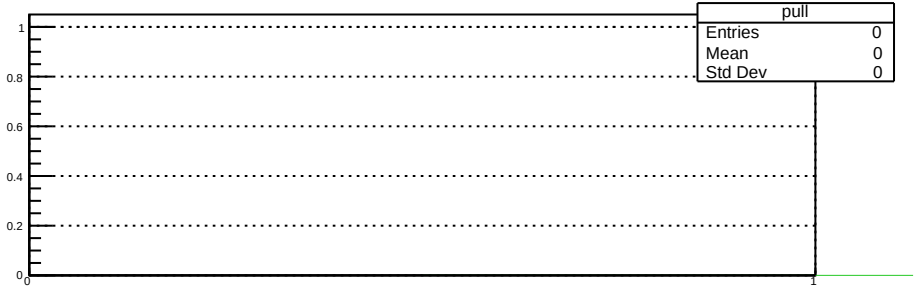
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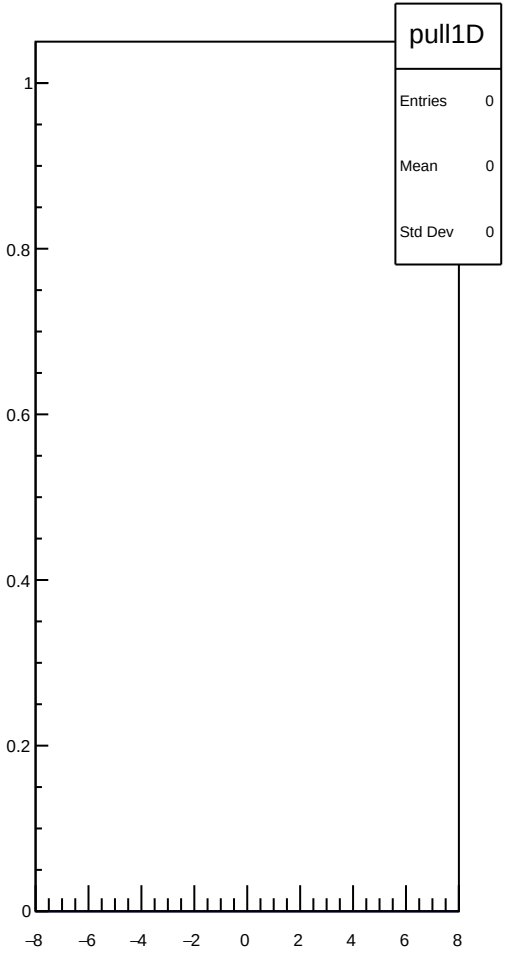
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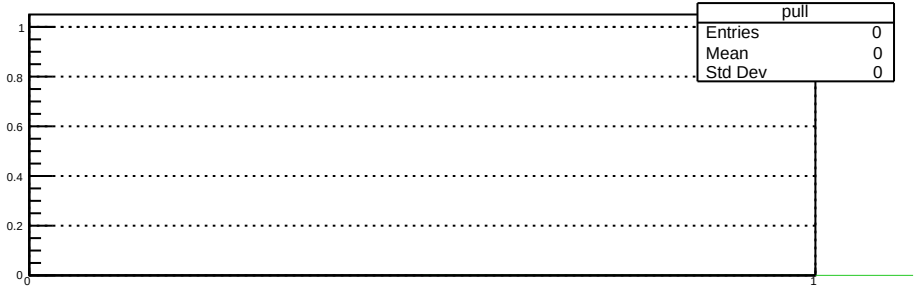
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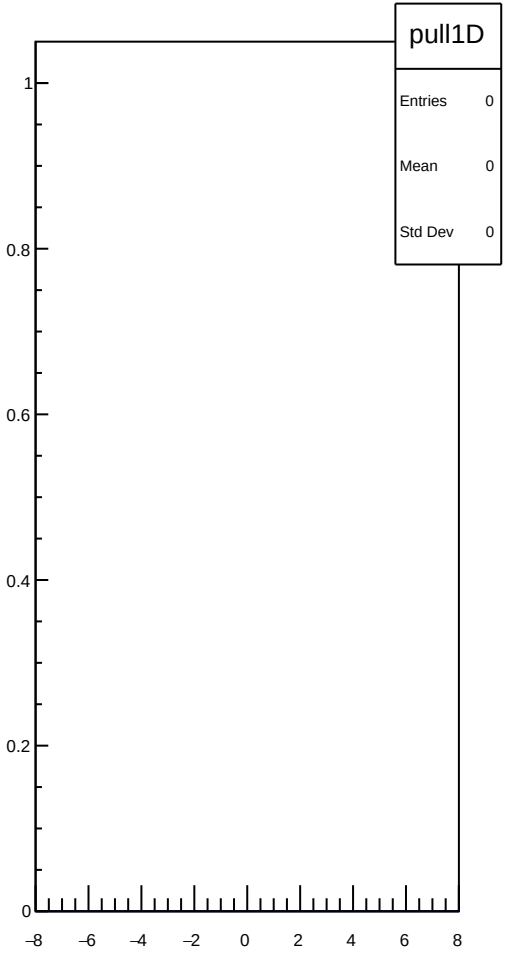
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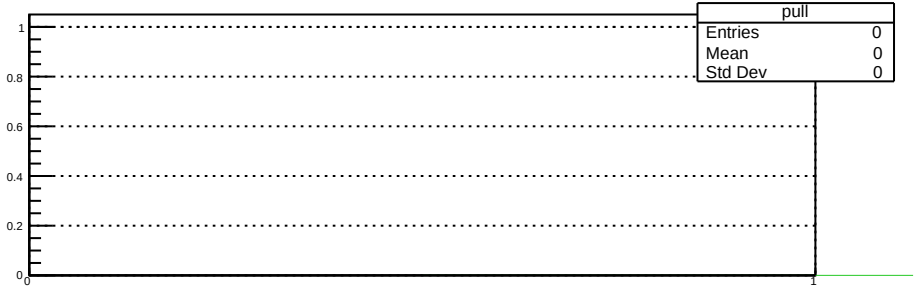
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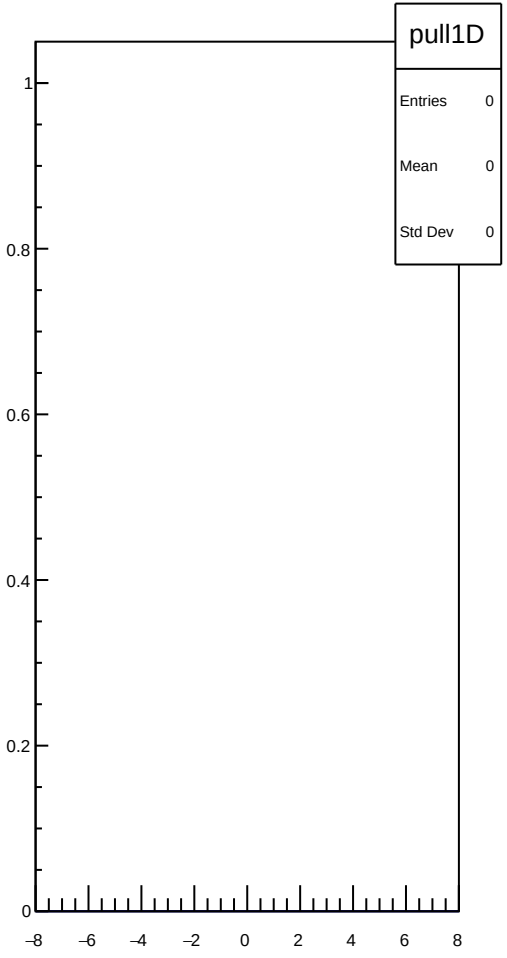
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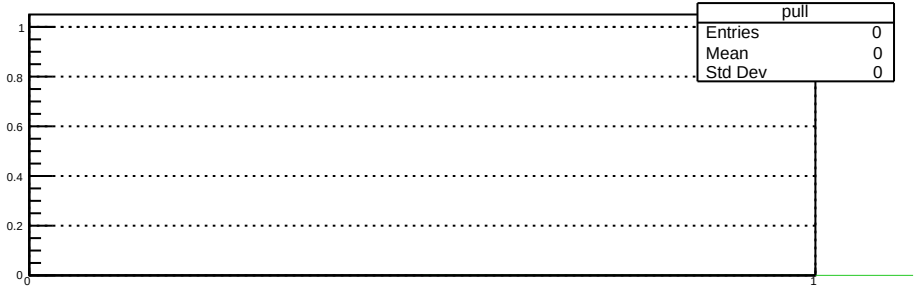
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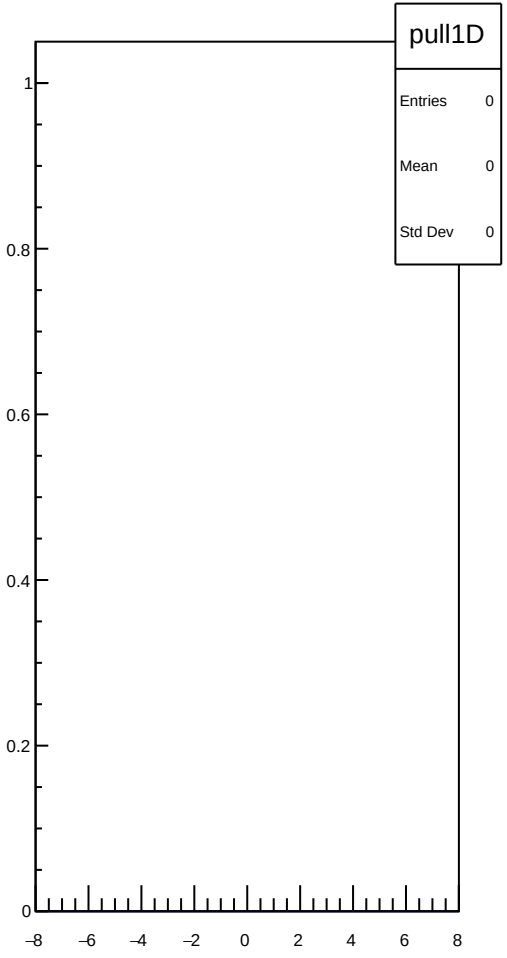
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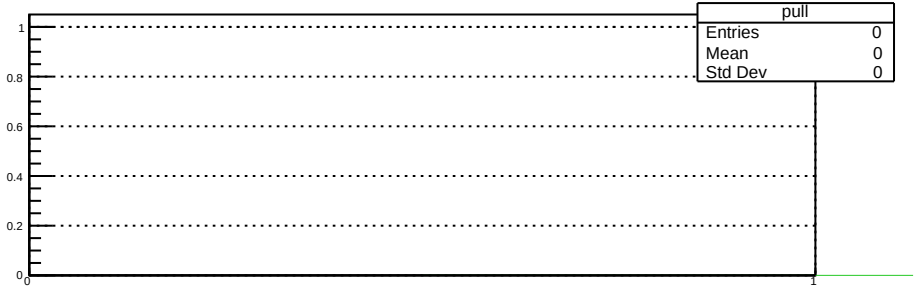
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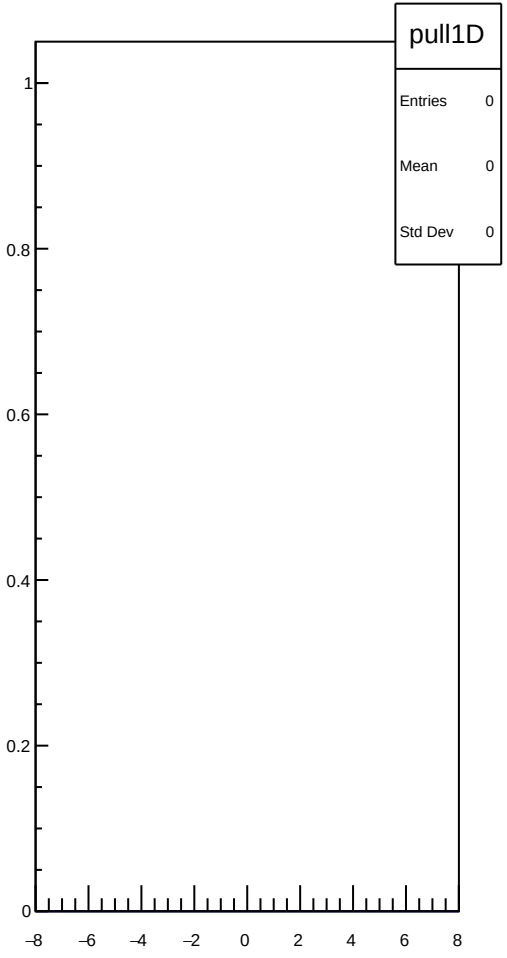
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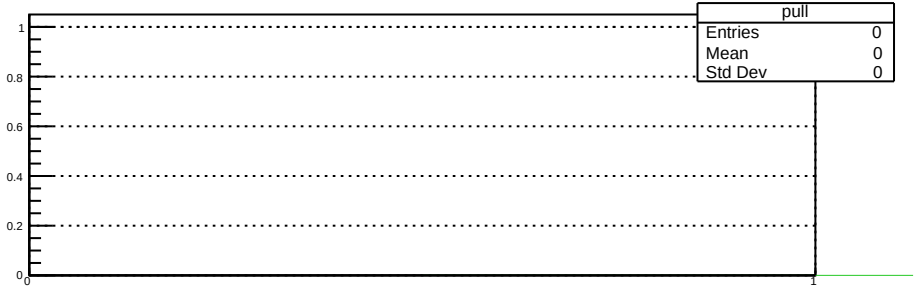
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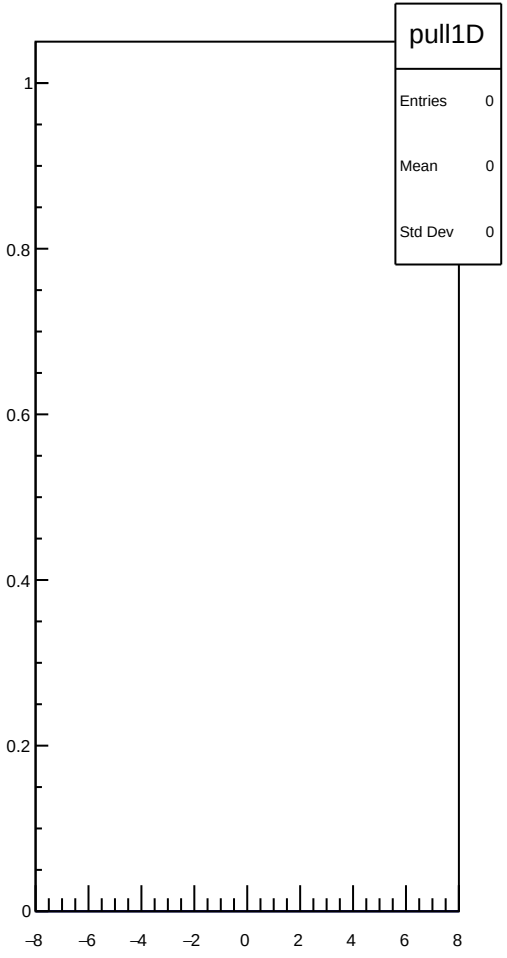
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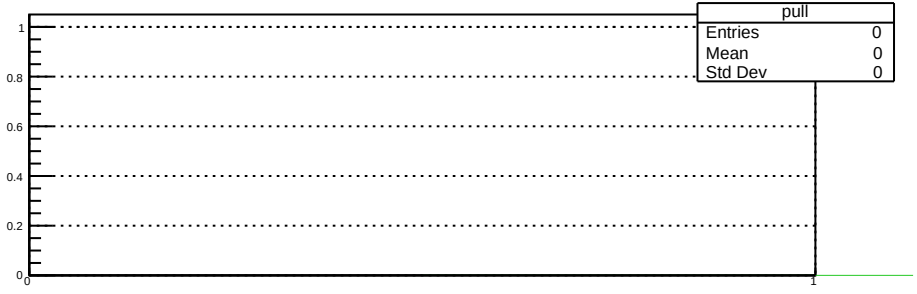
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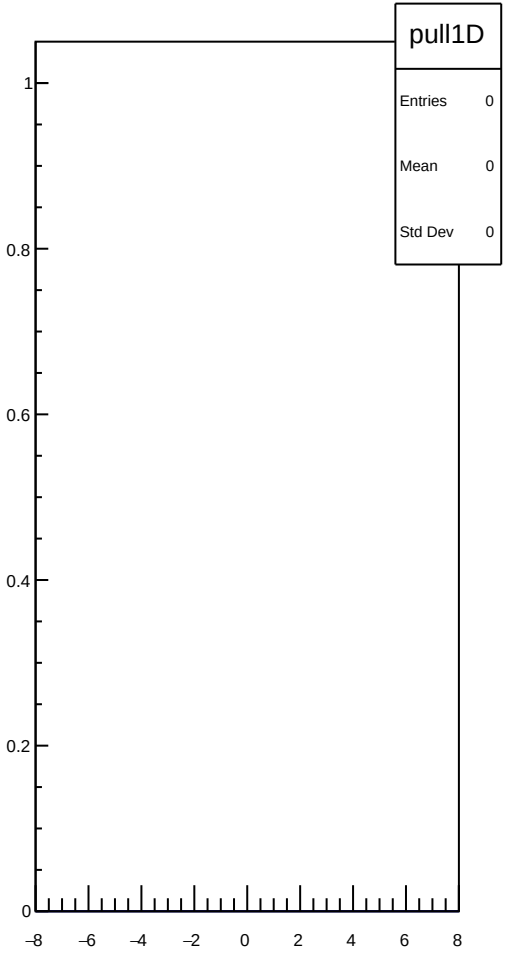
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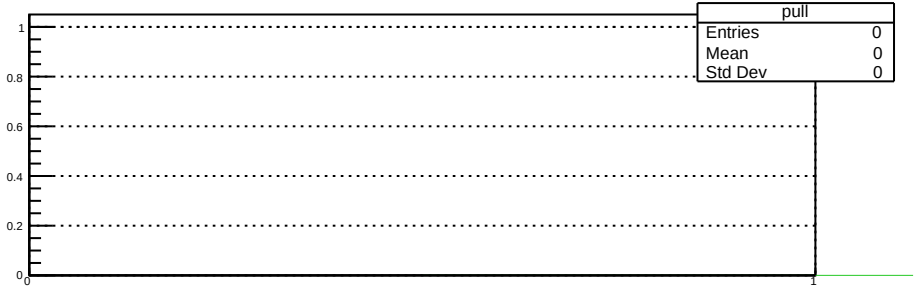
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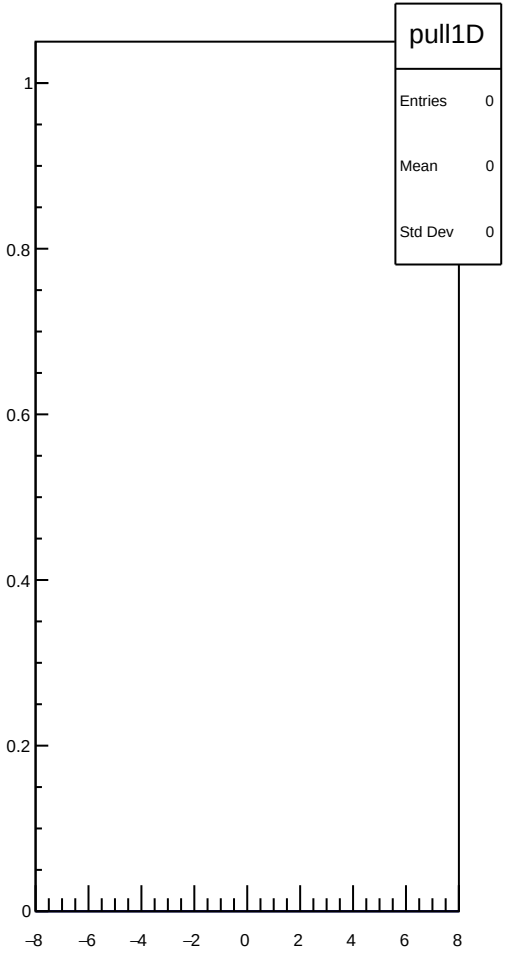
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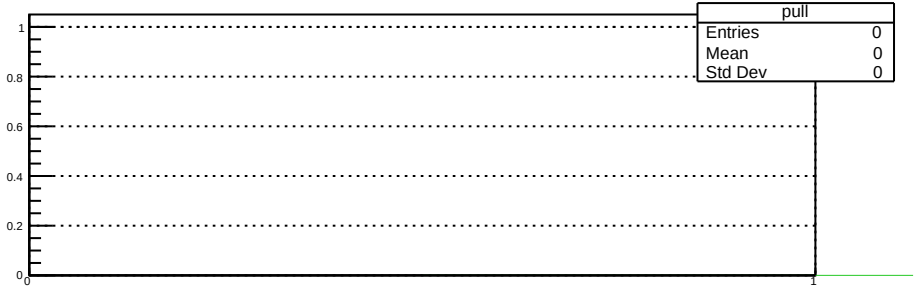
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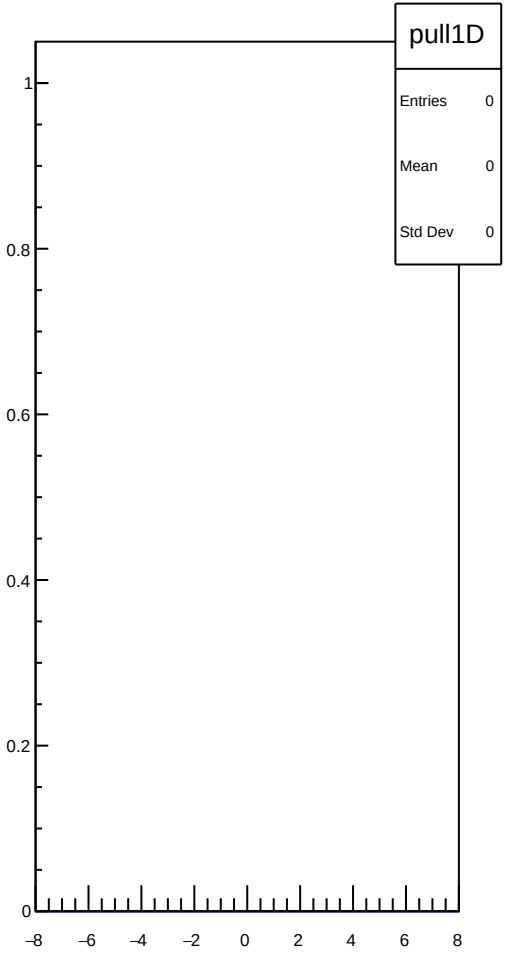
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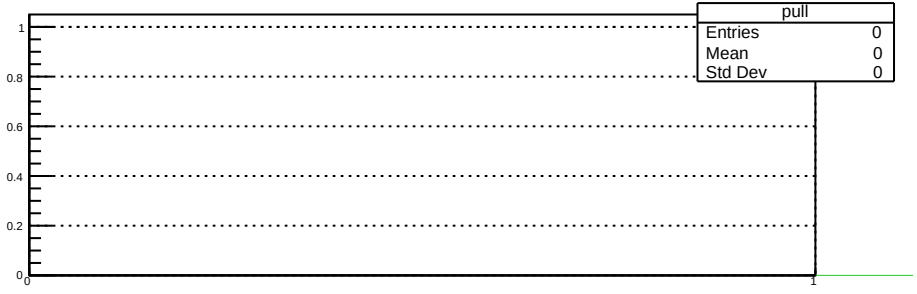
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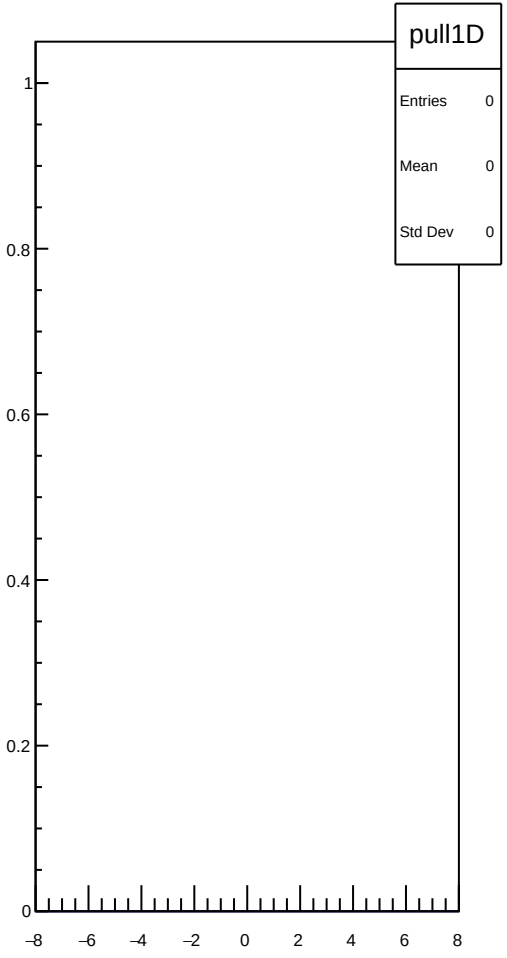
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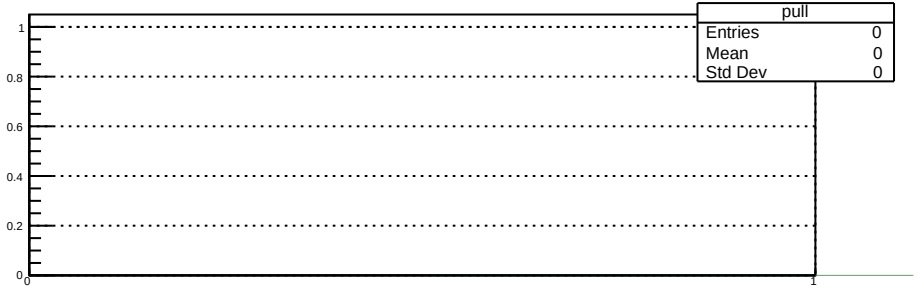
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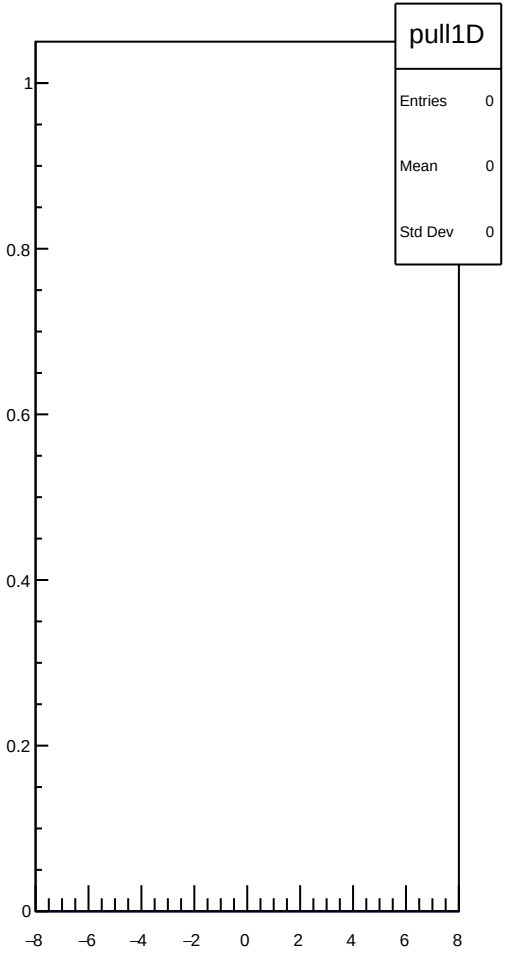
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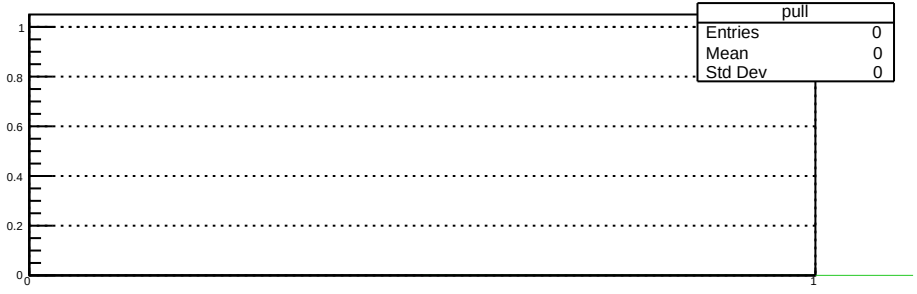
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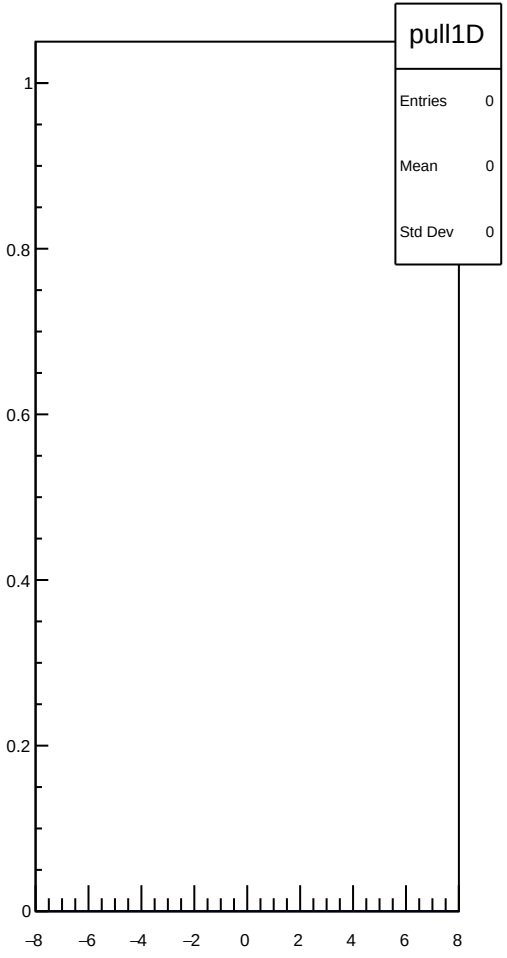
1


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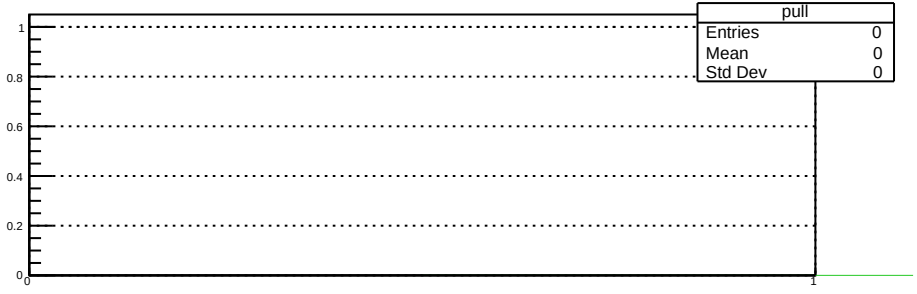
6
8


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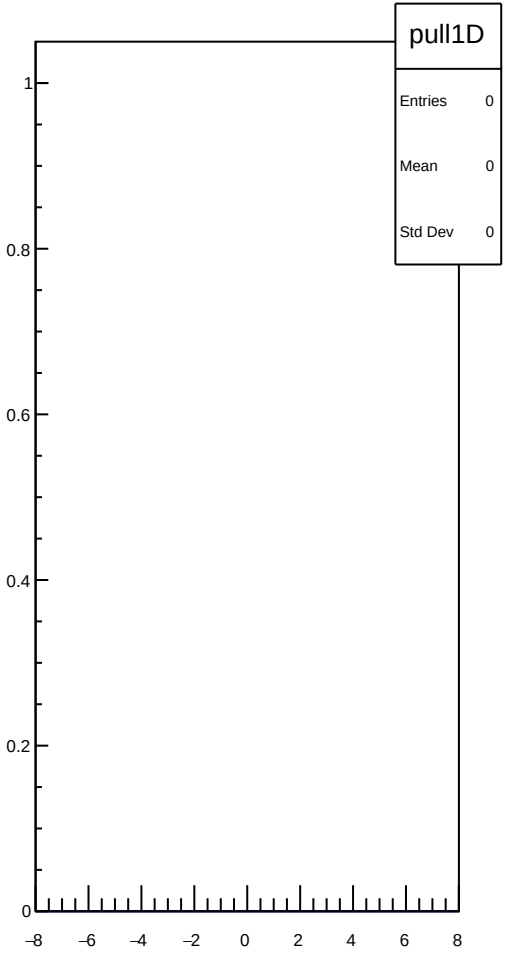
pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
0.2
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–4
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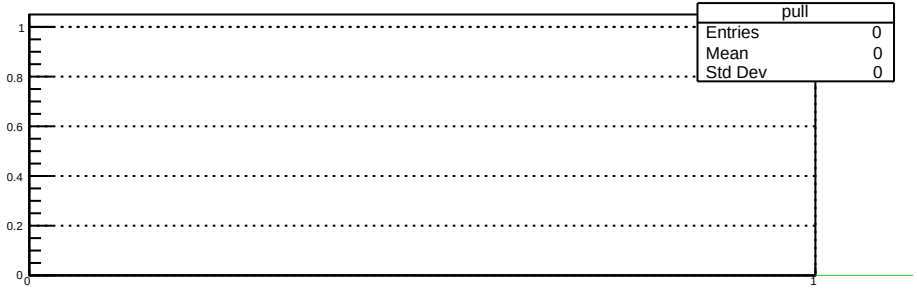
pull
Entries 0
Mean 0
Std Dev 0
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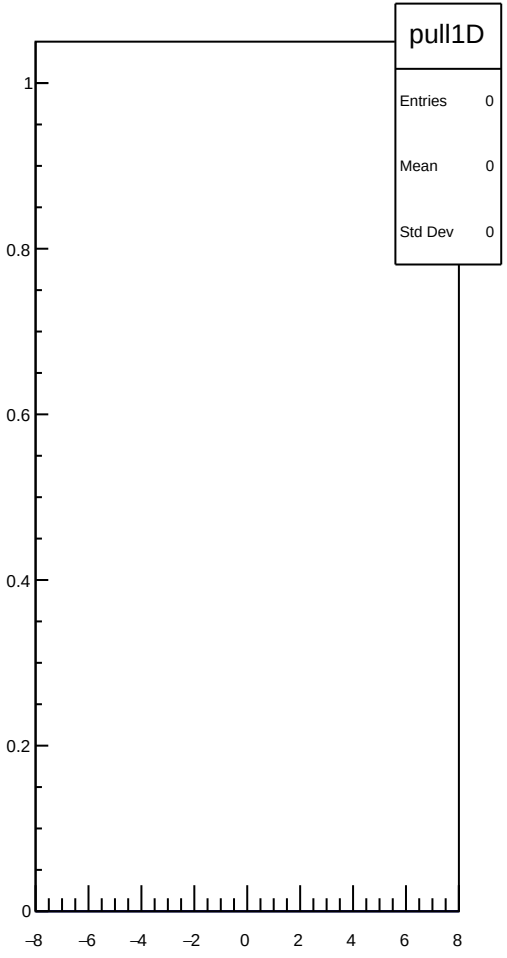
pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
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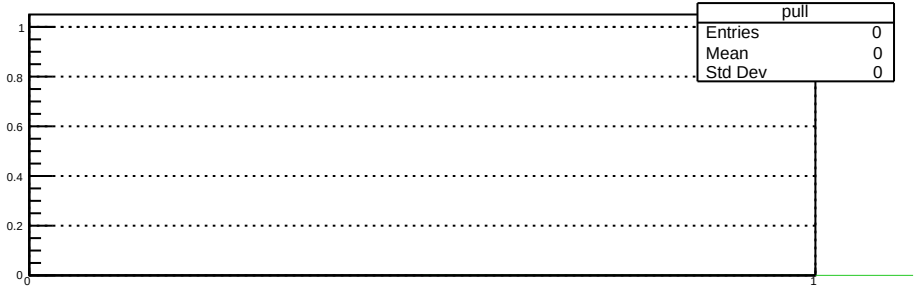
pull
Entries 0
Mean 0
Std Dev 0
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0.8
0.6
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0.2
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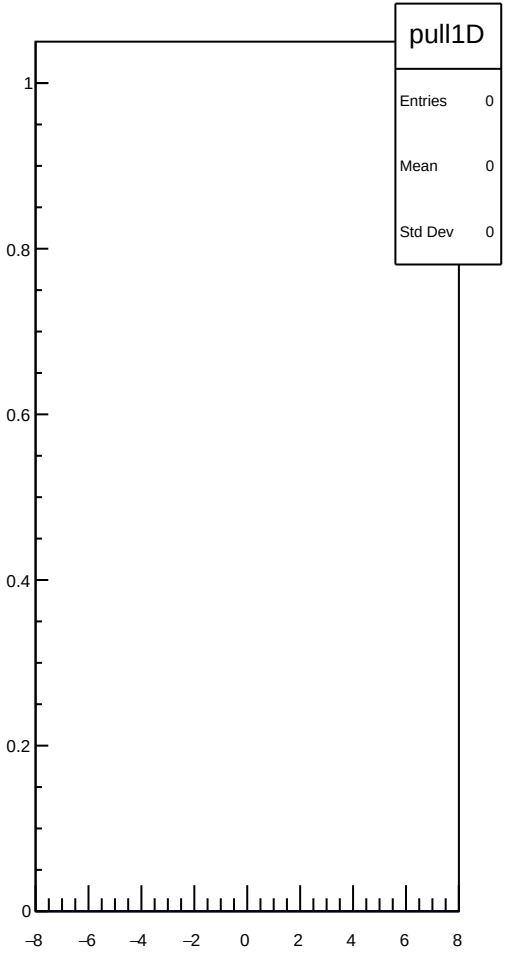
pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
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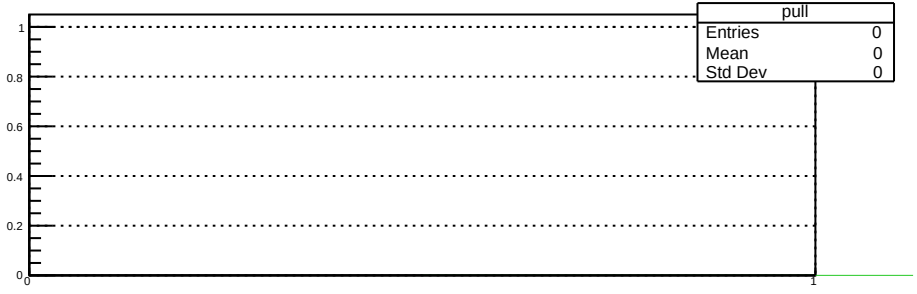
pull
Entries 0
Mean 0
Std Dev 0
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0.8
0.6
0.4
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0
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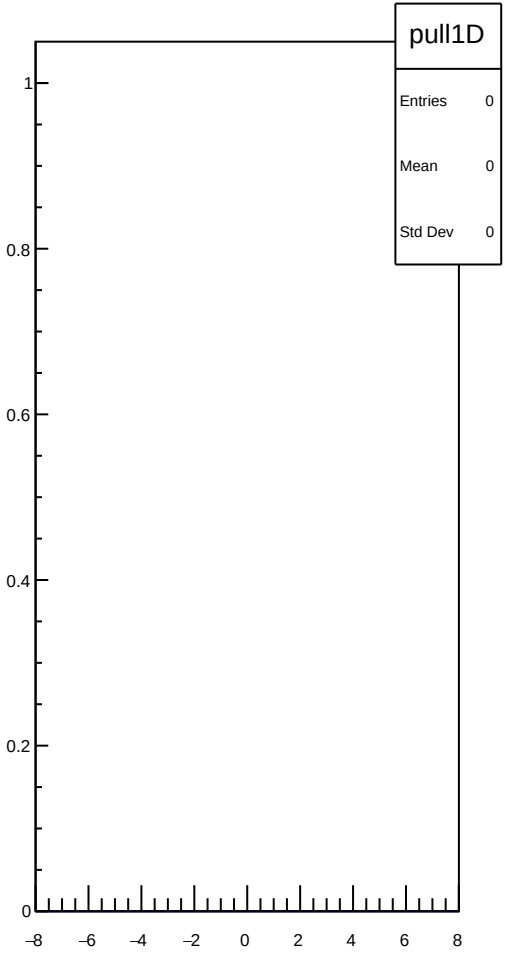
1


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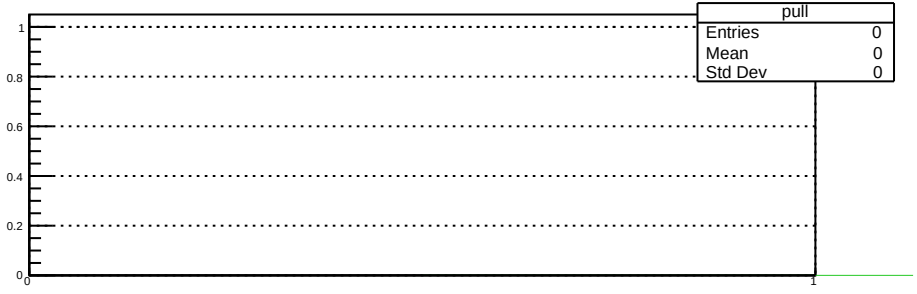
pull
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Mean 0
Std Dev 0
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0.6
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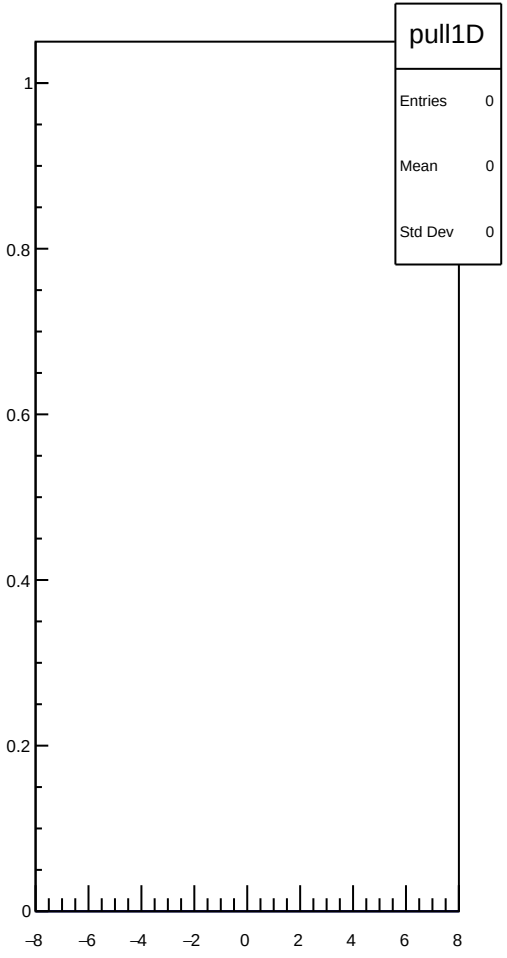
pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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–4
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6
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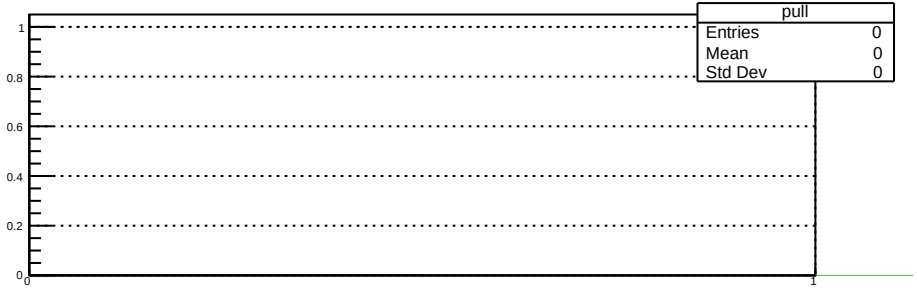
pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
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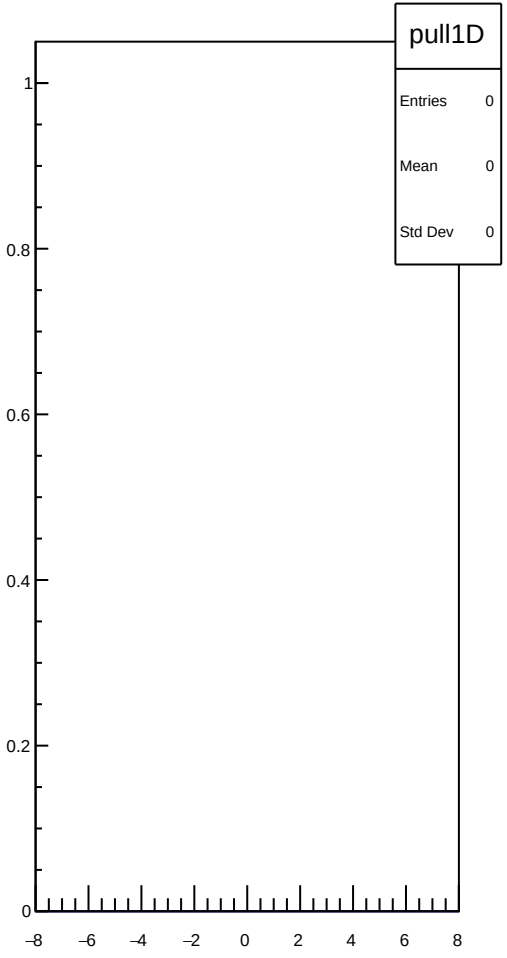
1


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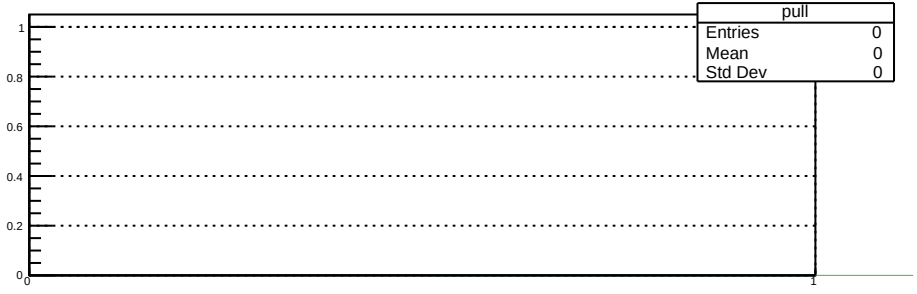
pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
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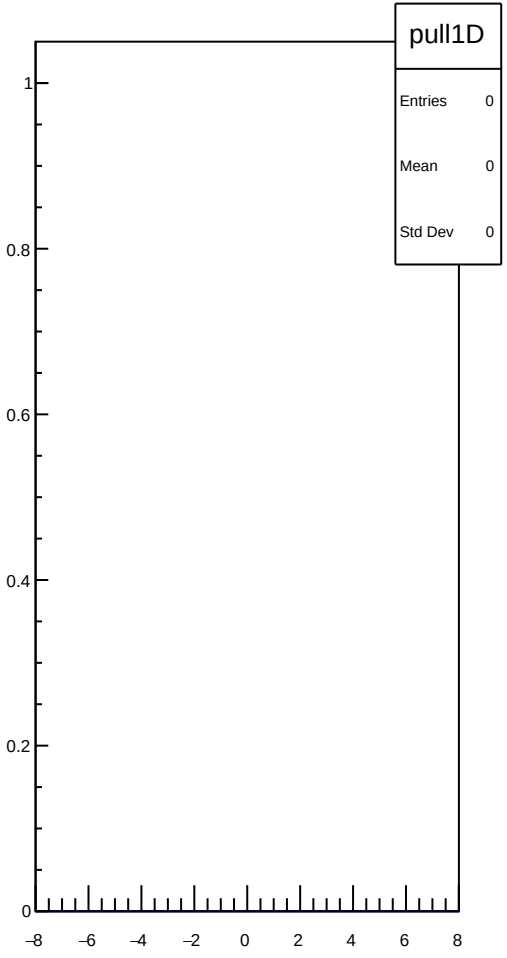
1


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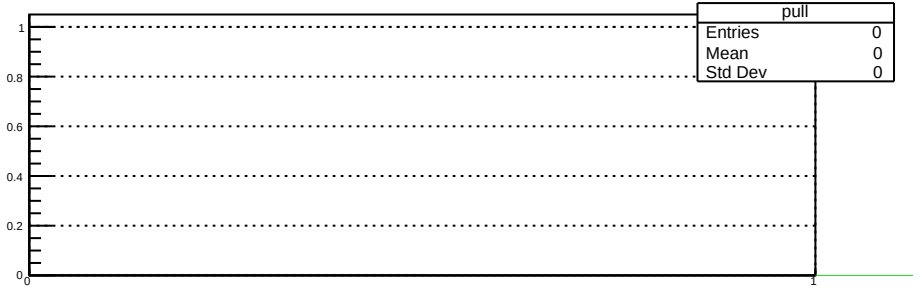
pull
Entries 0
Mean 0
Std Dev 0
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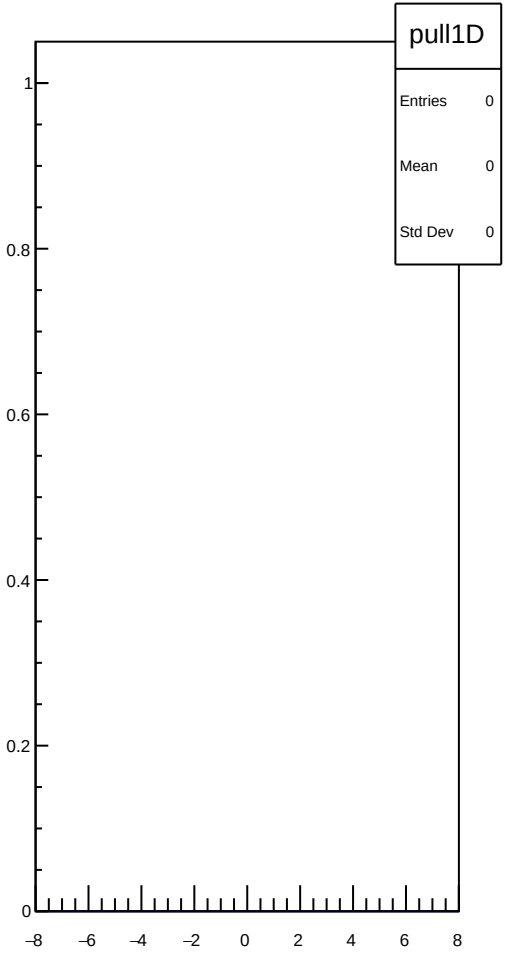
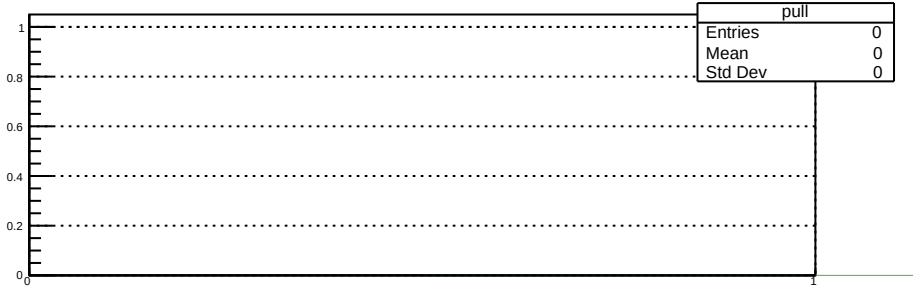
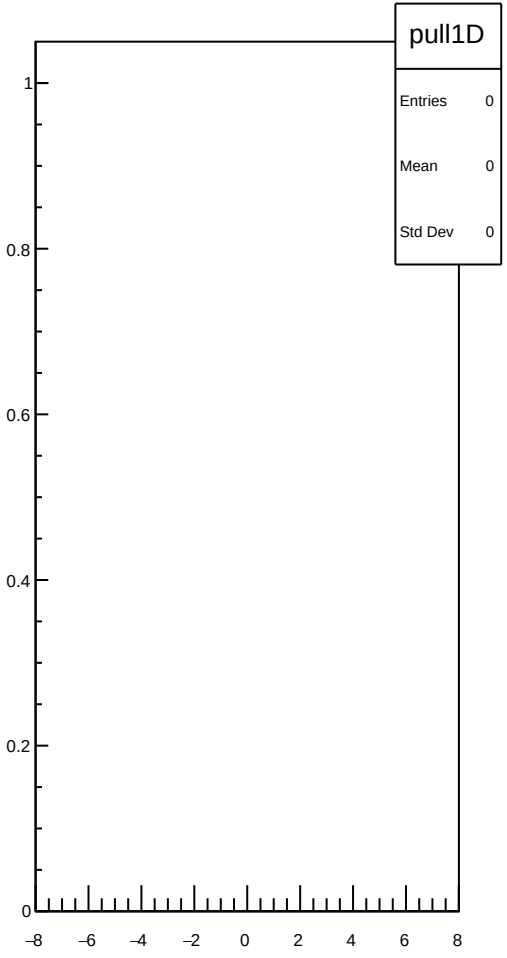
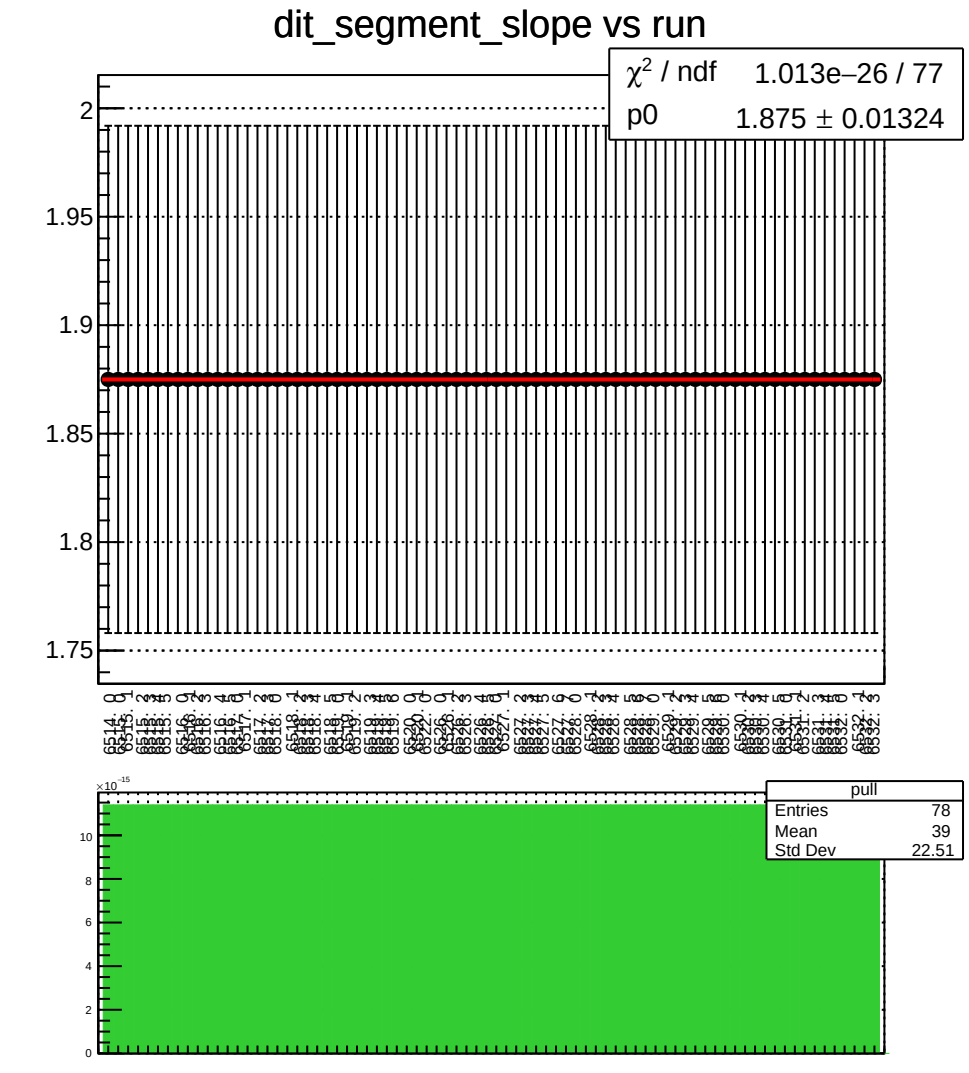
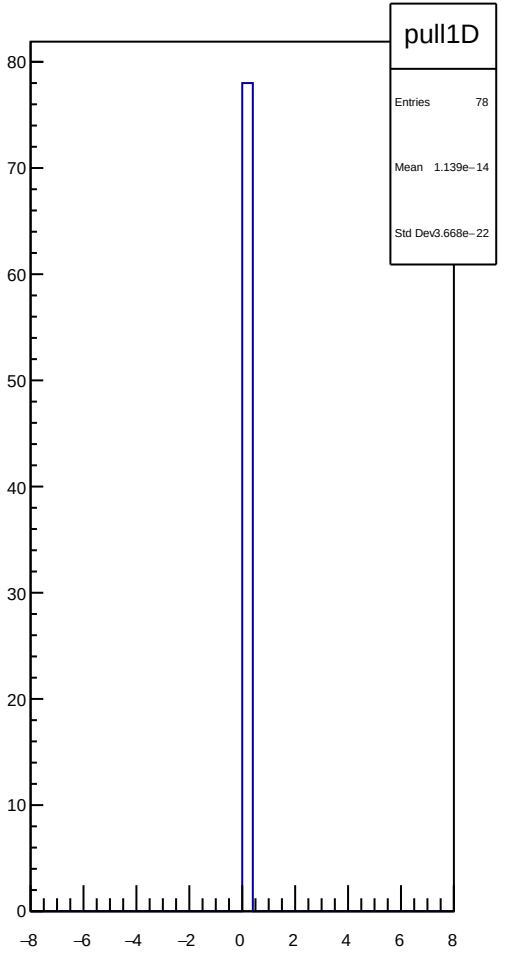
0.6
0.4
0.2
0
0
1

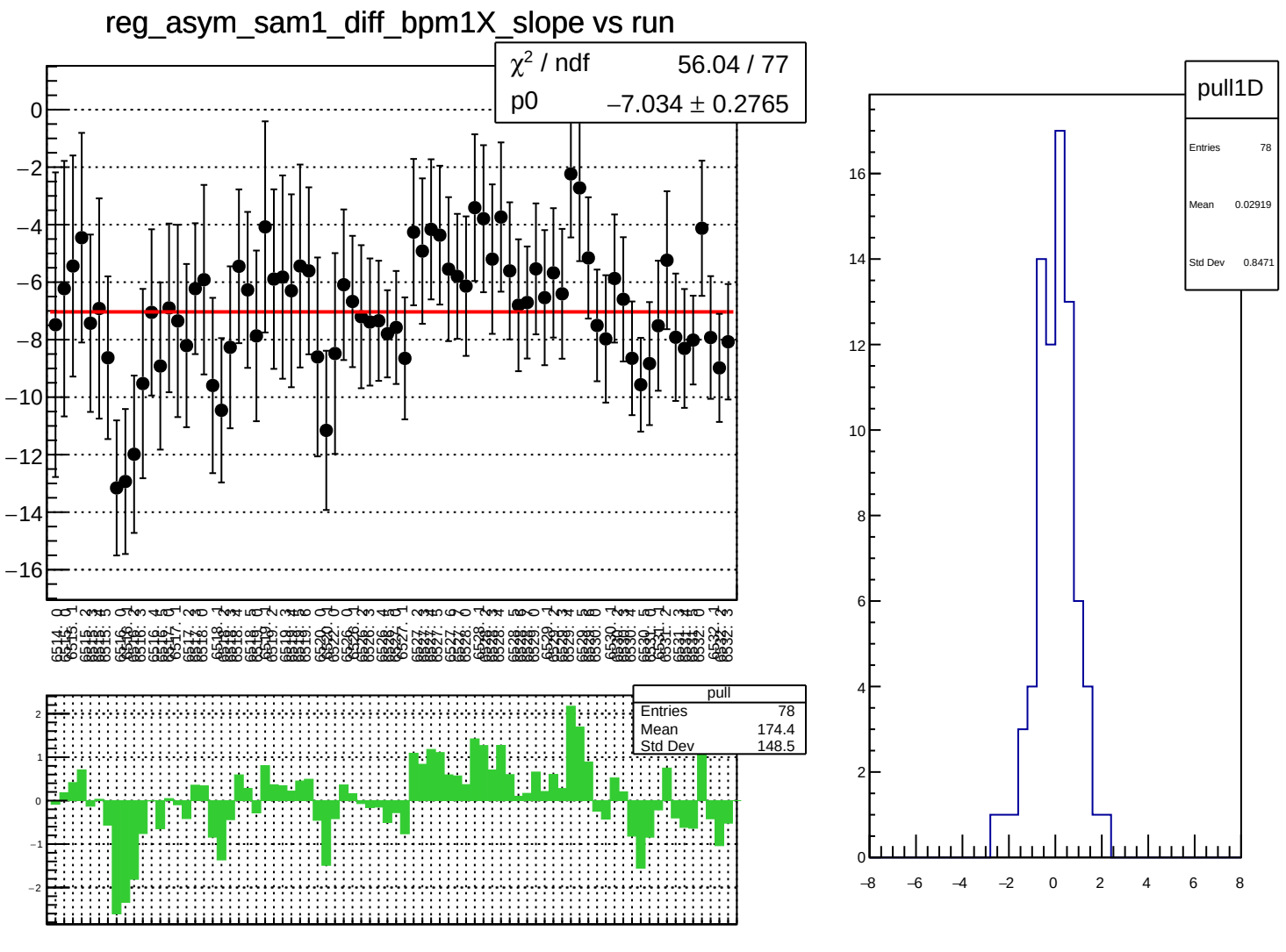

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

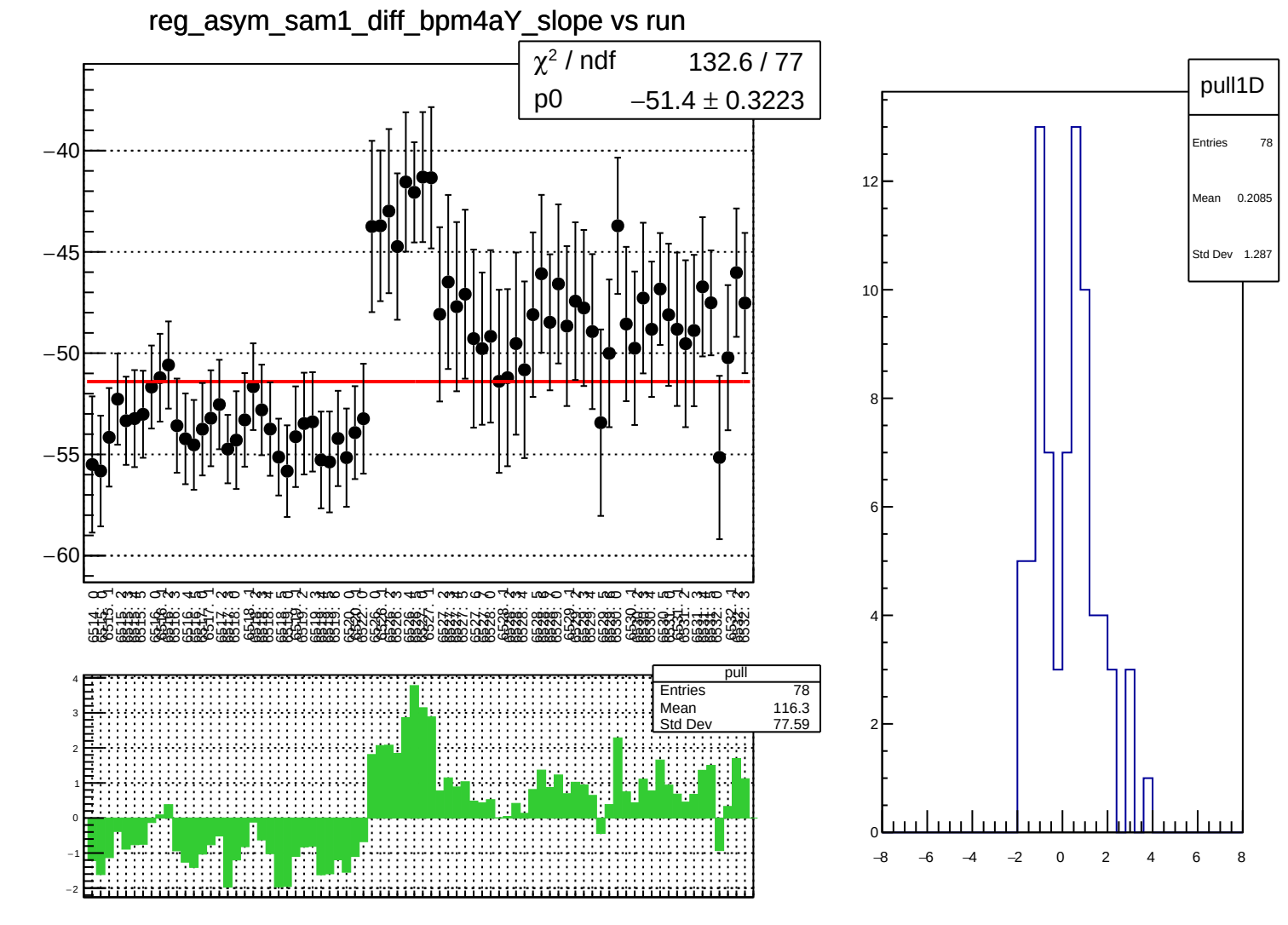

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

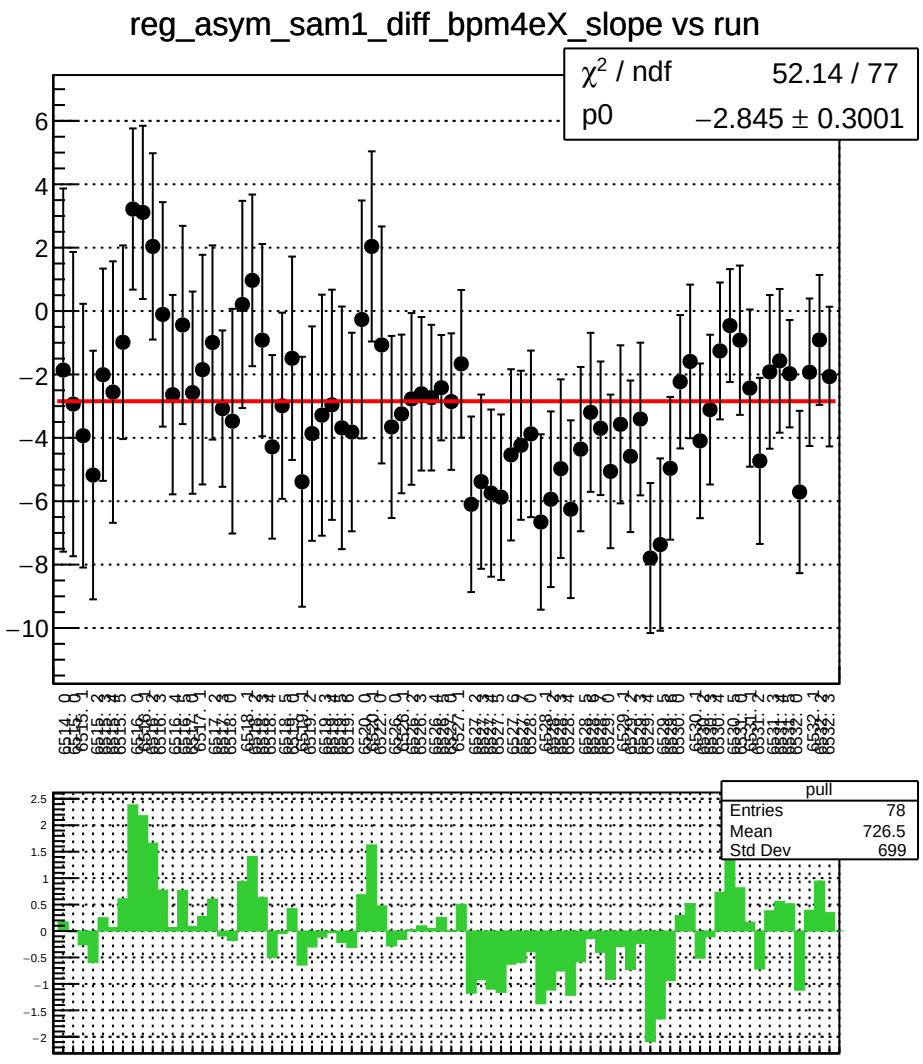

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

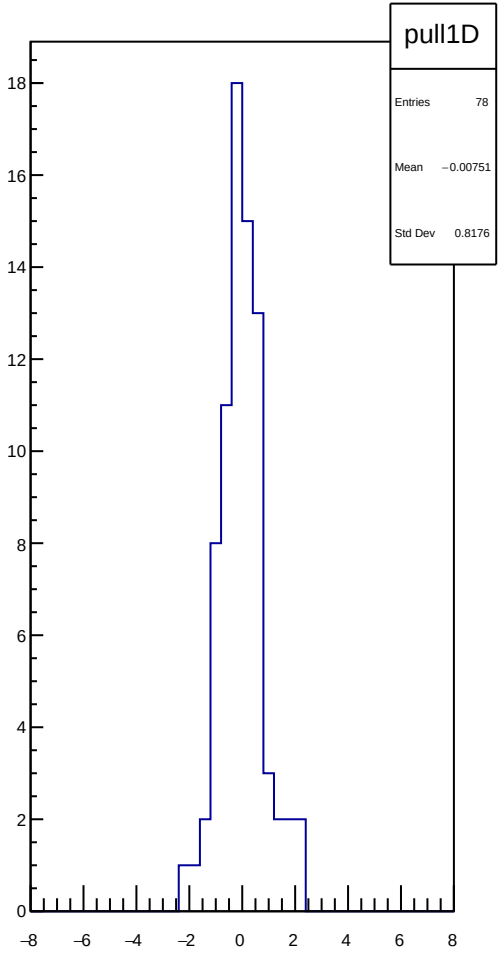

dit_segment_slope vs run
χ^2 / ndf 1.013e−26 / 77
p0 1.875 ± 0.01324
pull
Entries 78
Mean 39
Std Dev 22.51

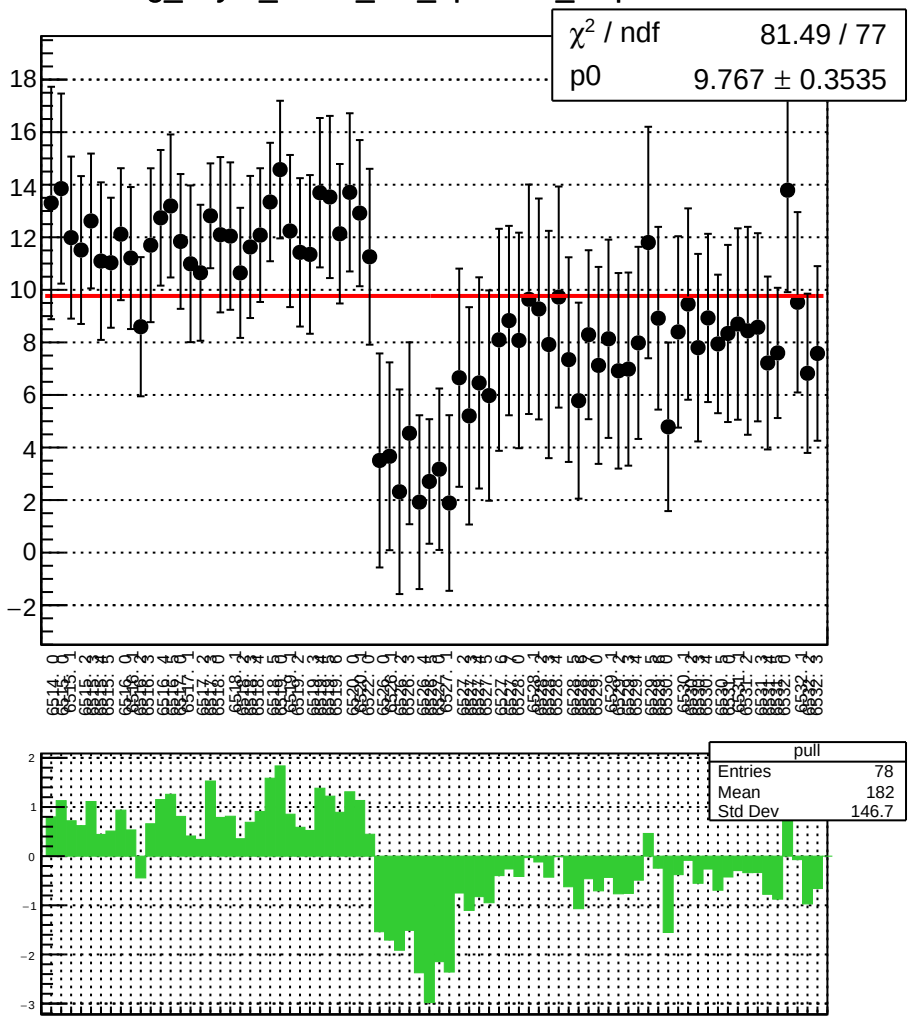

pull1D
Entries 78
Mean 1.139e−14
Std Dev3.668e−22

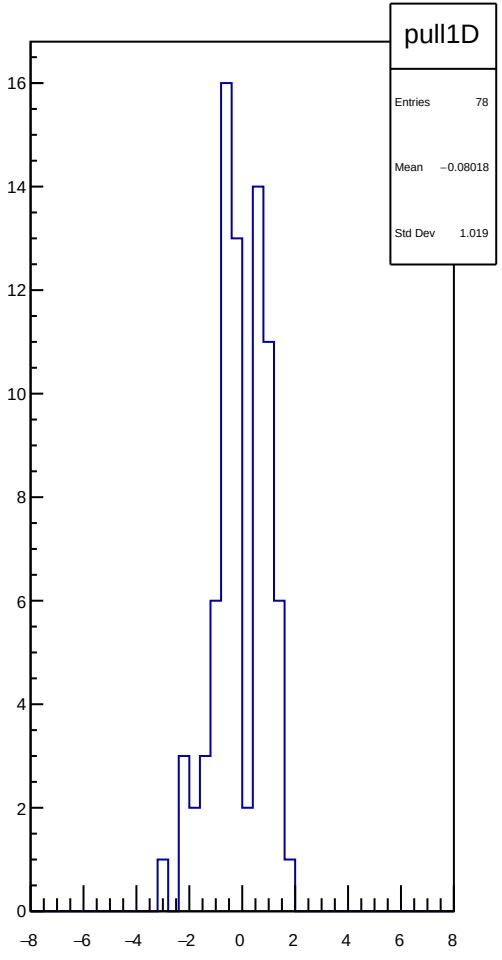

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 56.04 / 77
p0 −7.034 ± 0.2765
pull
Entries 78
Mean 174.4
Std Dev 148.5
pull1D
Entries 78
Mean 0.02919
Std Dev 0.8471

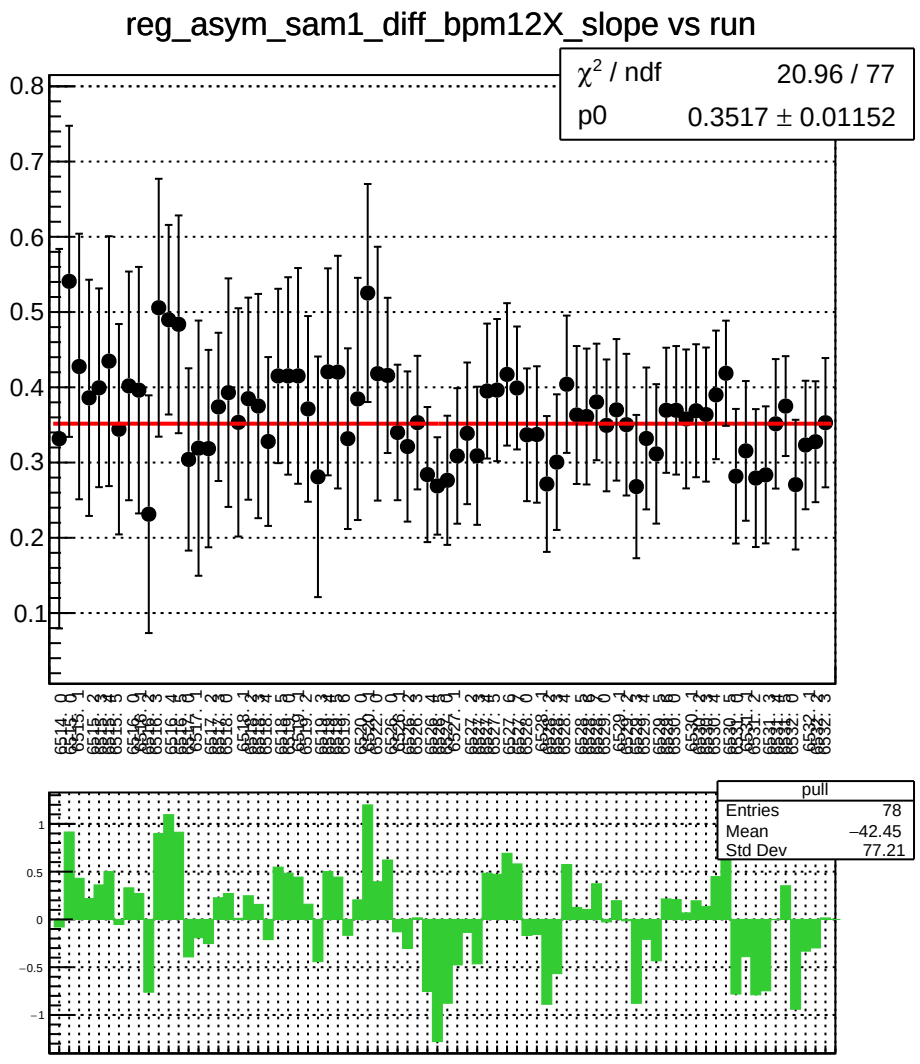

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 132.6 / 77
p0 −51.4 ± 0.3223
pull
Entries 78
Mean 116.3
Std Dev 77.59
pull1D
Entries 78
Mean 0.2085
Std Dev 1.287

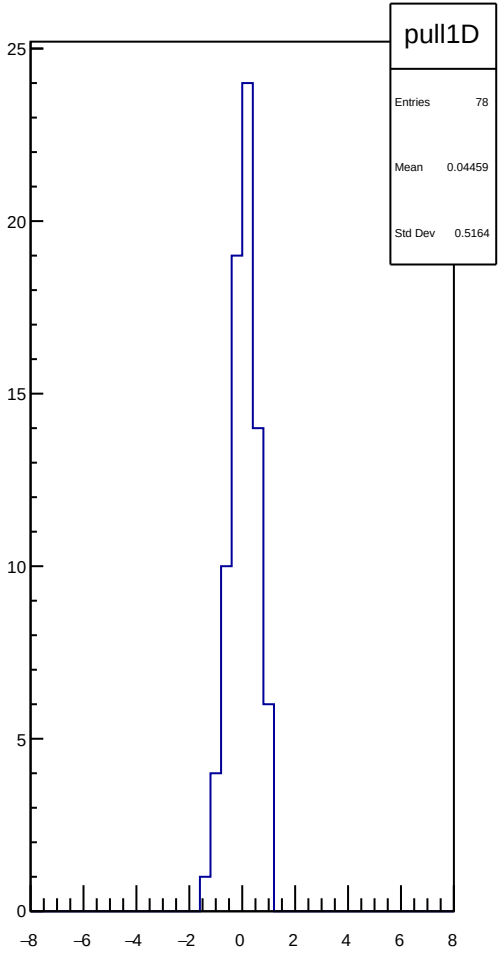

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 52.14 / 77
p0 −2.845 ± 0.3001
pull
Entries 78
Mean 726.5
Std Dev 699

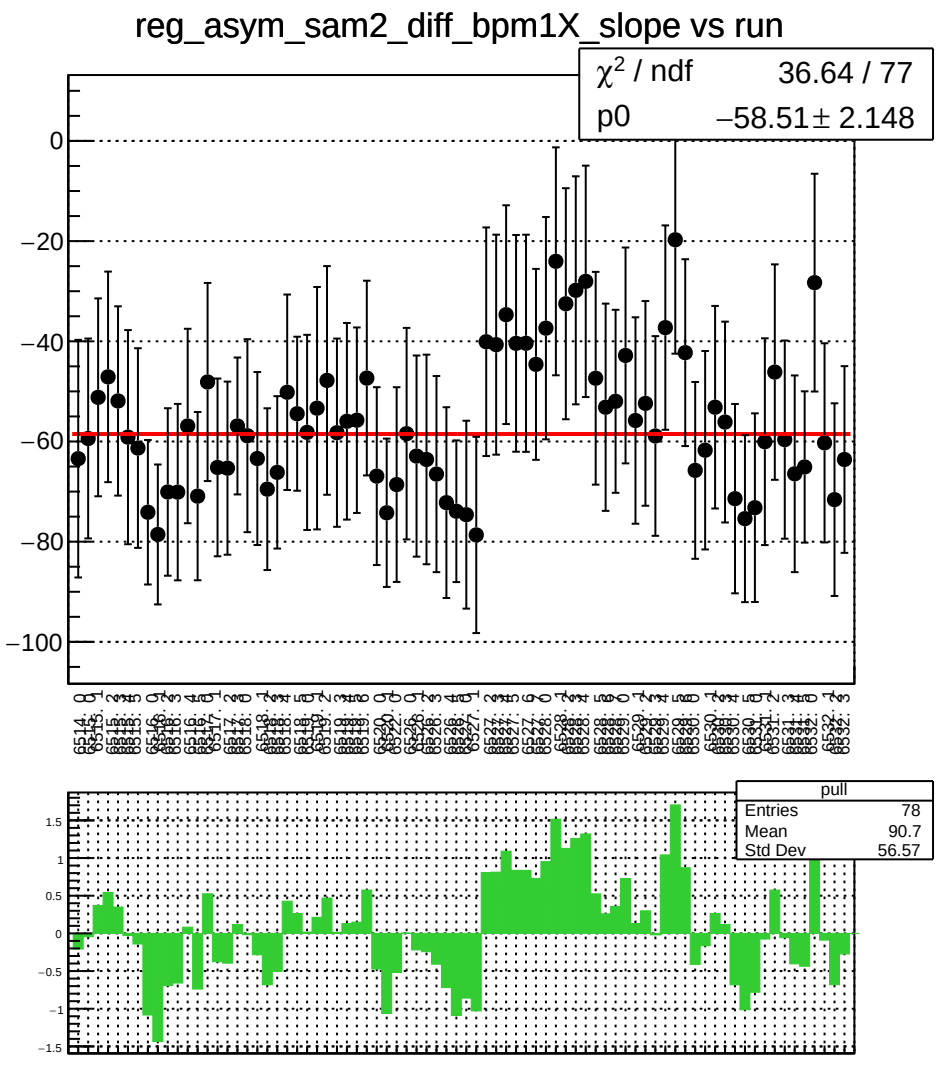

pull1D
Entries 78
Mean −0.00751
Std Dev 0.8176

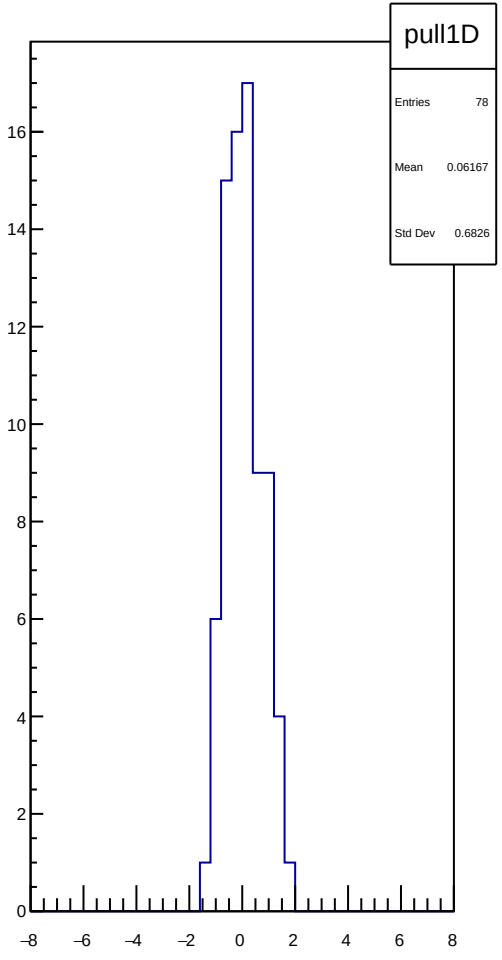

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 81.49 / 77
p0 9.767 ± 0.3535
pull
Entries 78
Mean 182
Std Dev 146.7

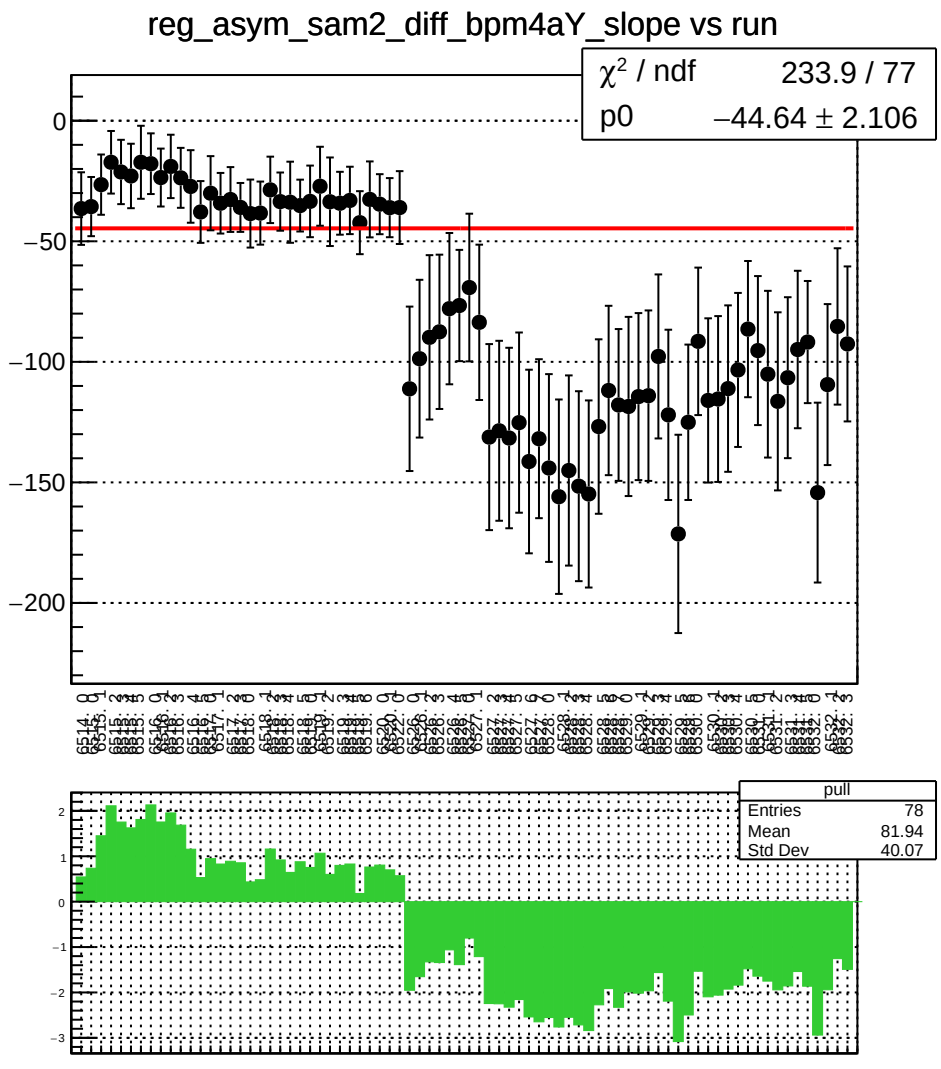

pull1D
Entries 78
Mean −0.08018
Std Dev 1.019

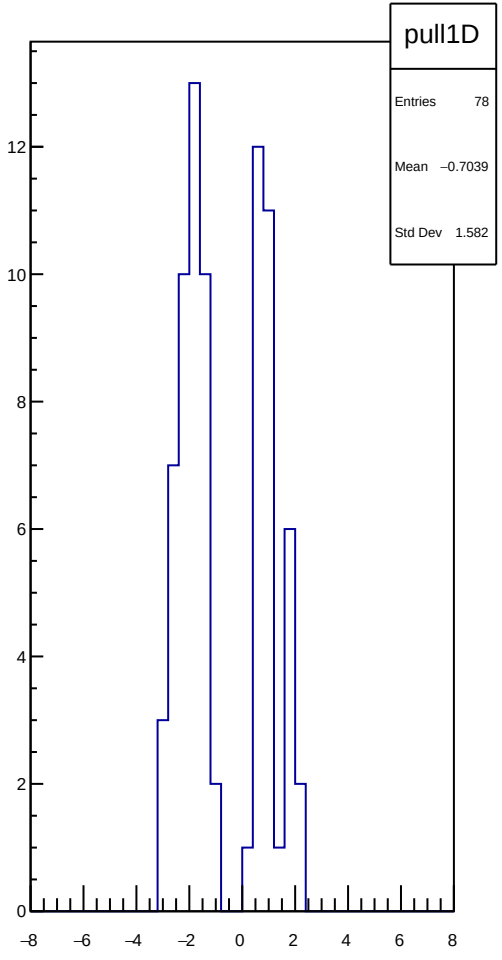

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 20.96 / 77
p0 0.3517 ± 0.01152
pull
Entries 78
Mean −42.45
Std Dev 77.21


pull1D
Entries 78
Mean 0.04459
Std Dev 0.5164


reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 36.64 / 77
p0 −58.51 ± 2.148
pull
Entries 78
Mean 90.7
Std Dev 56.57


pull1D
Entries 78
Mean 0.06167
Std Dev 0.6826


reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 233.9 / 77
p0 −44.64 ± 2.106
0
−50
−100
−150
−200
pull
Entries 78
Mean 81.94
Std Dev 40.07
2
1
0
−1
−2
−3


pull1D
Entries 78
Mean −0.7039
Std Dev 1.582
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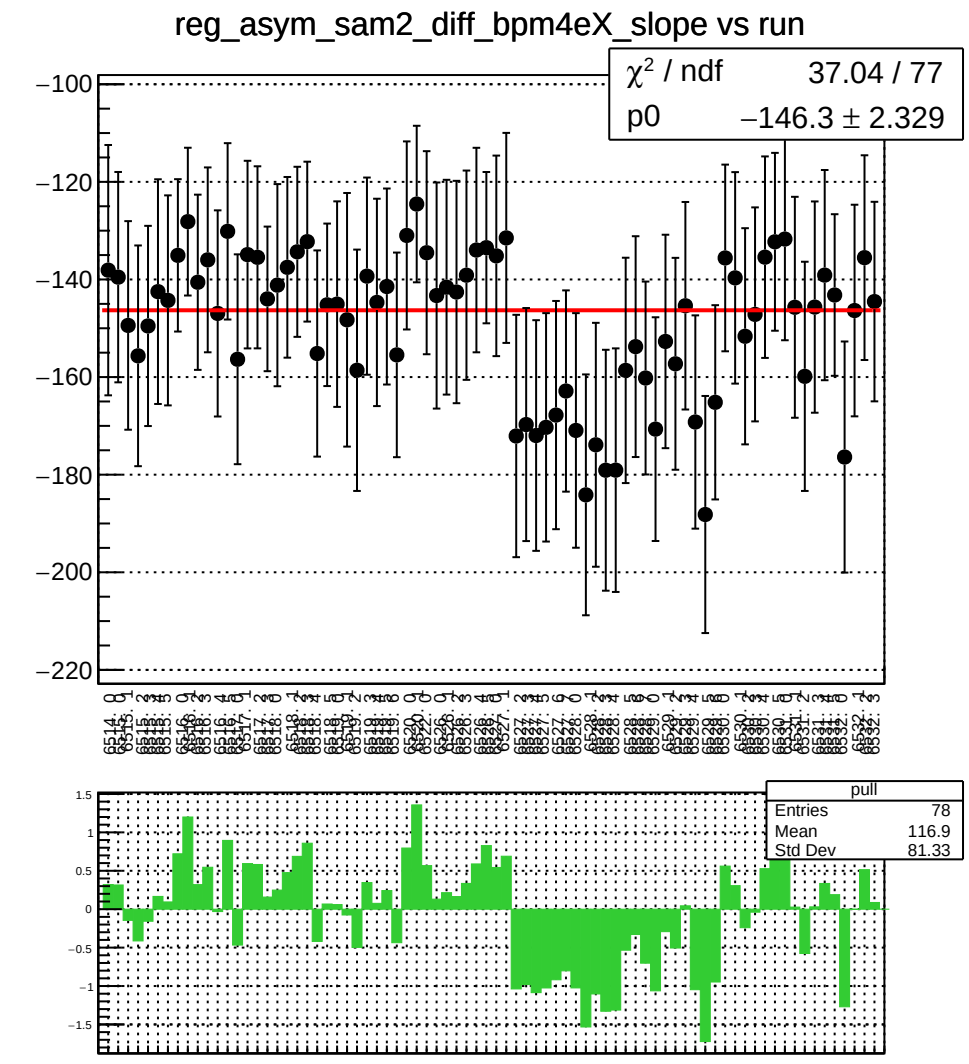
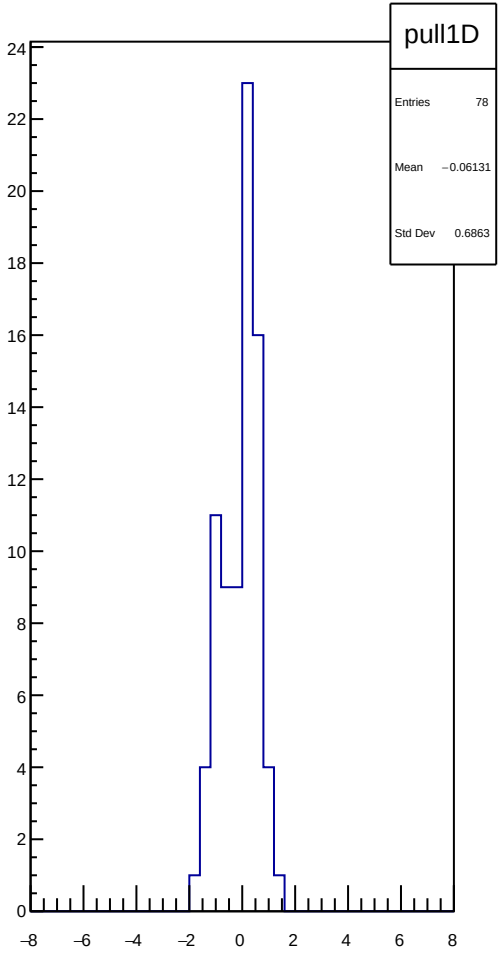
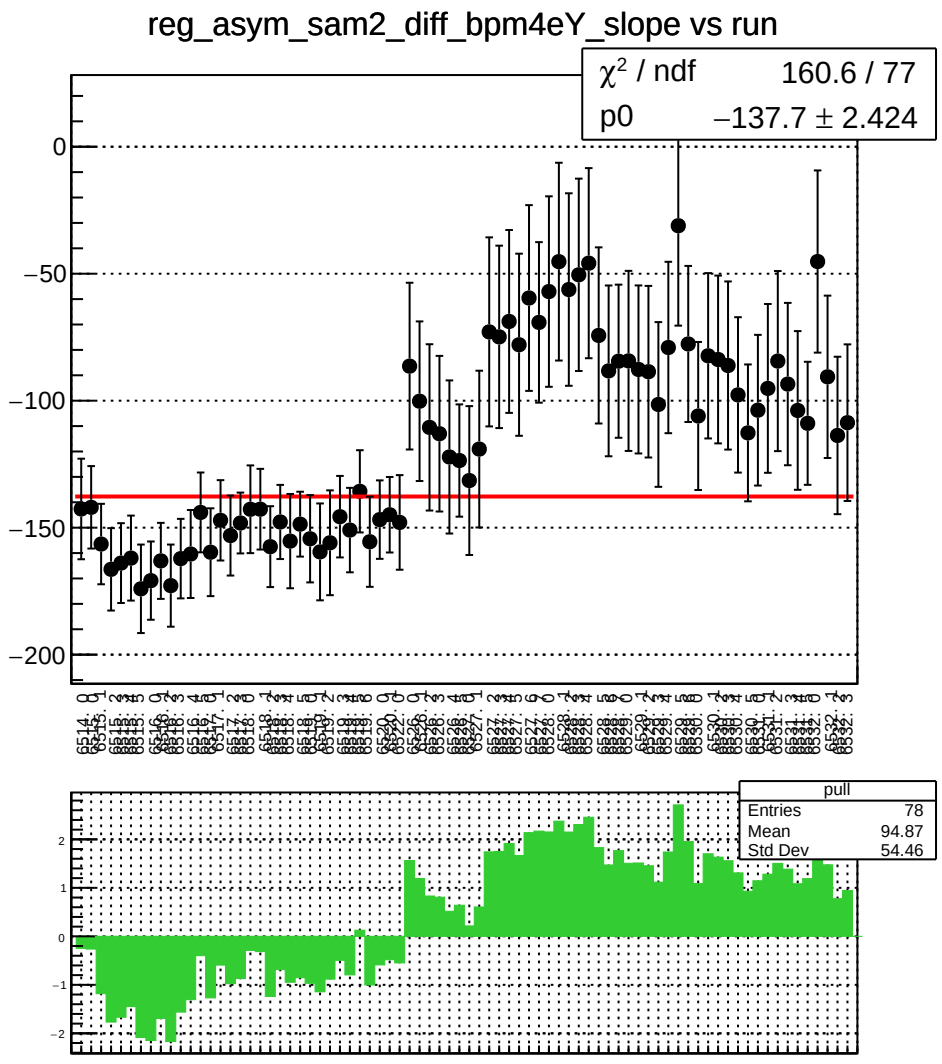
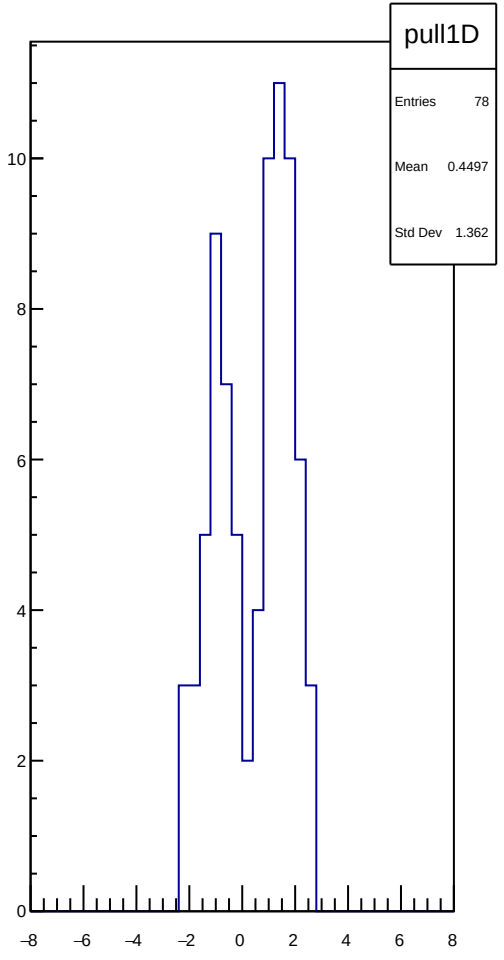
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 37.04 / 77
p0 −146.3 ± 2.329
pull
Entries 78
Mean 116.9
Std Dev 81.33


pull1D
Entries 78
Mean −0.06131
Std Dev 0.6863


reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 160.6 / 77
p0 −137.7 ± 2.424
0
−50
−100
−150
−200
pull
Entries 78
Mean 94.87
Std Dev 54.46
2
1
0
−1
−2


pull1D
Entries 78
Mean 0.4497
Std Dev 1.362
10
8
6
4
2
0
−8
−6
−4
−2
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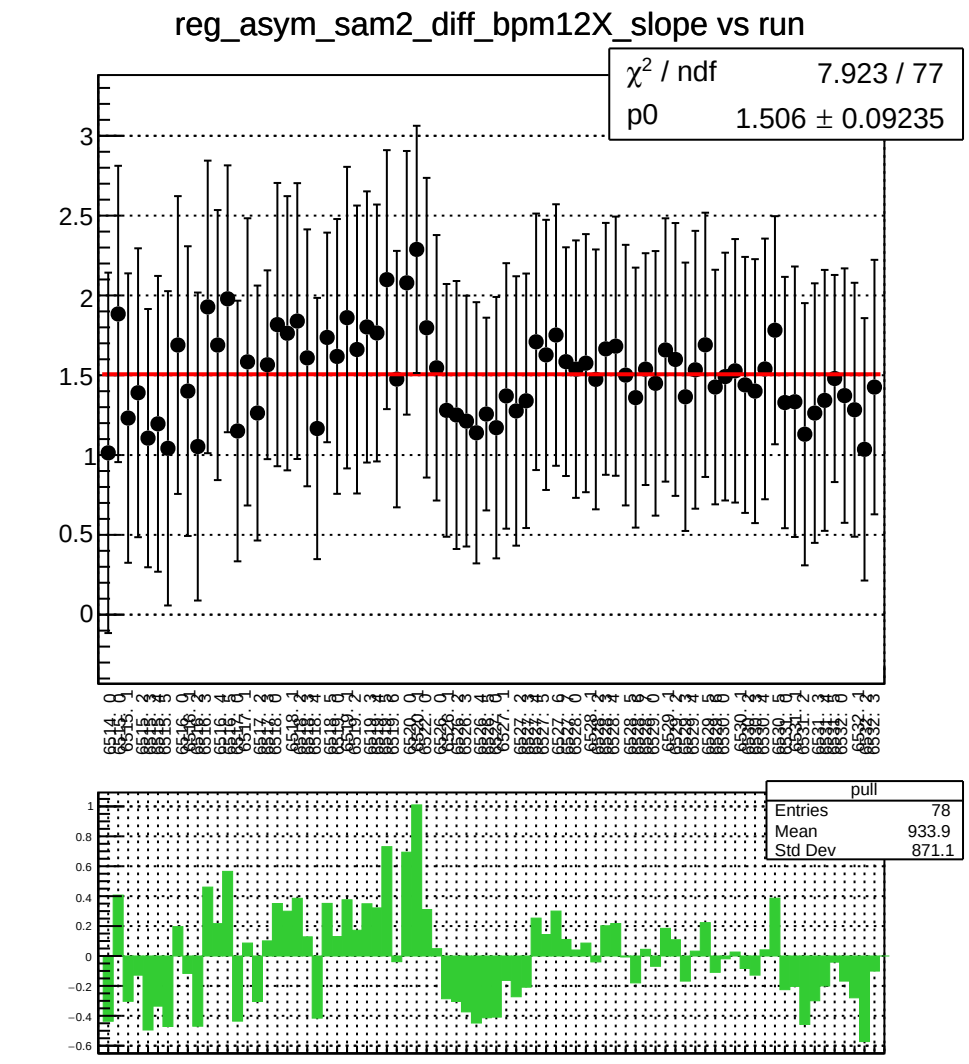
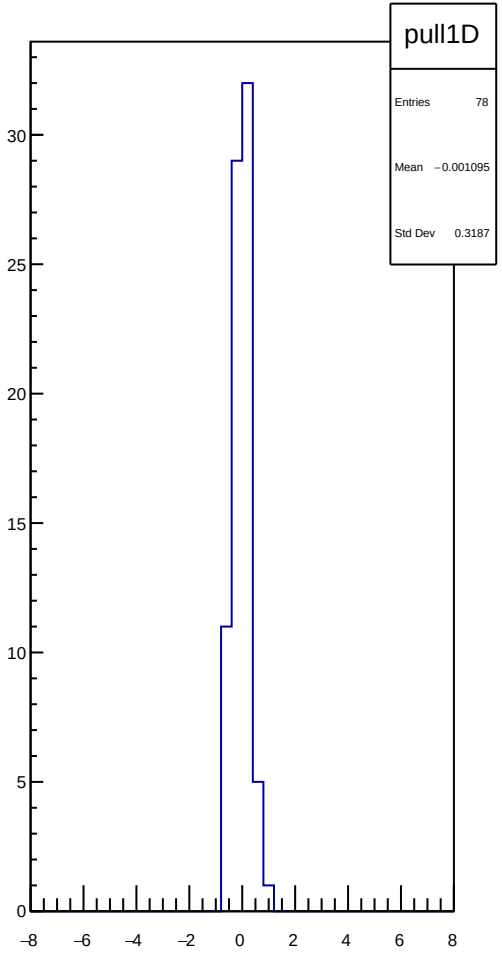
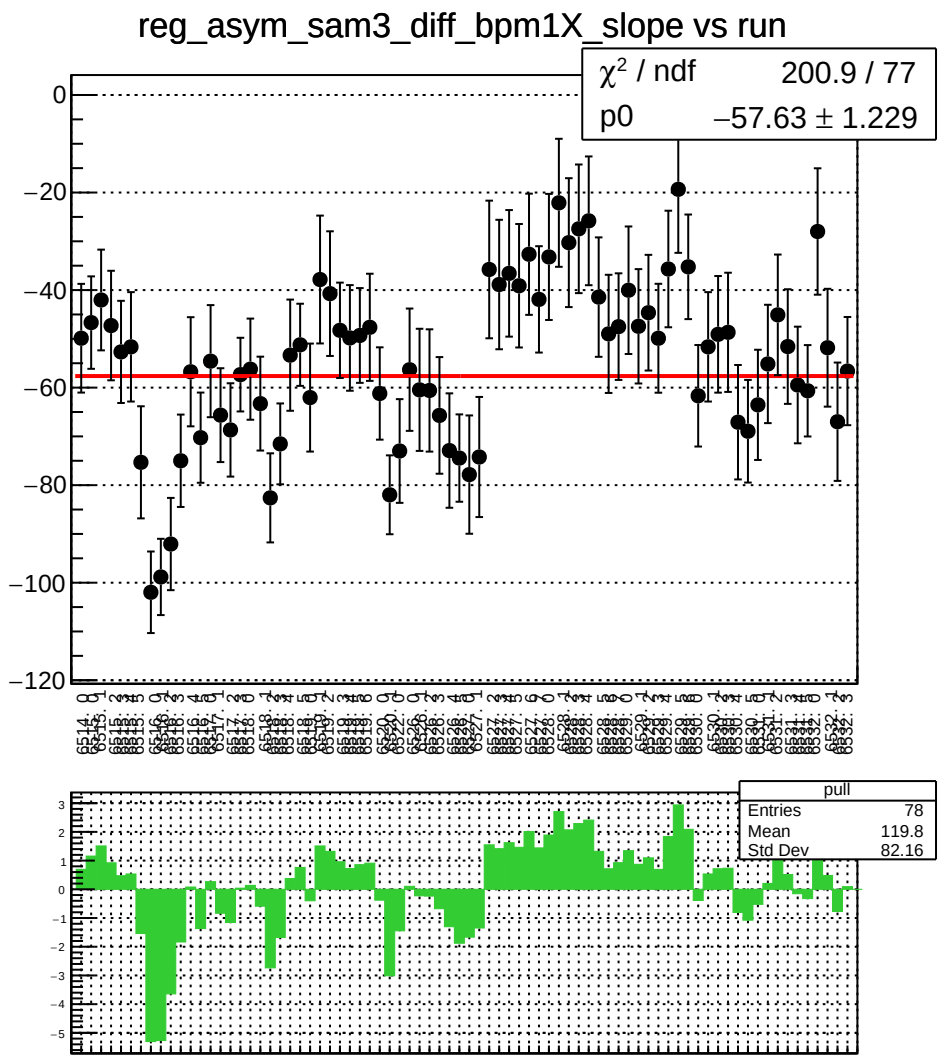
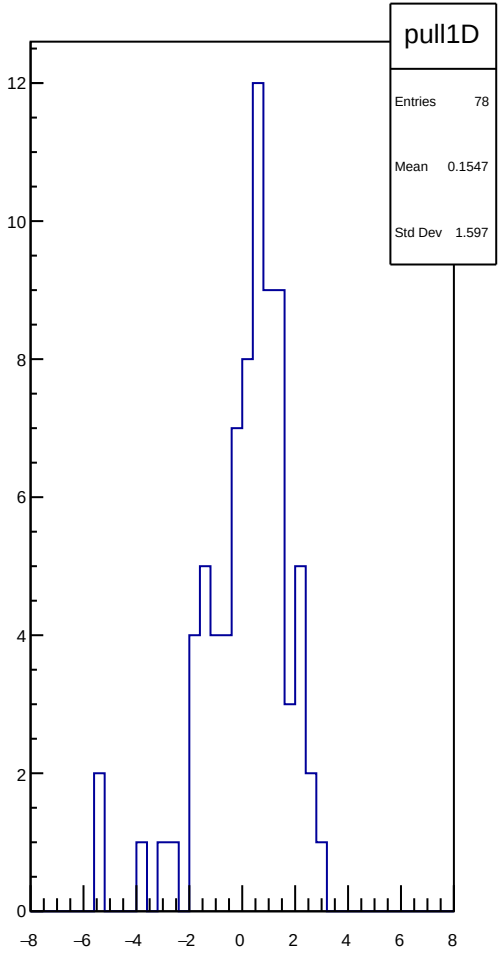
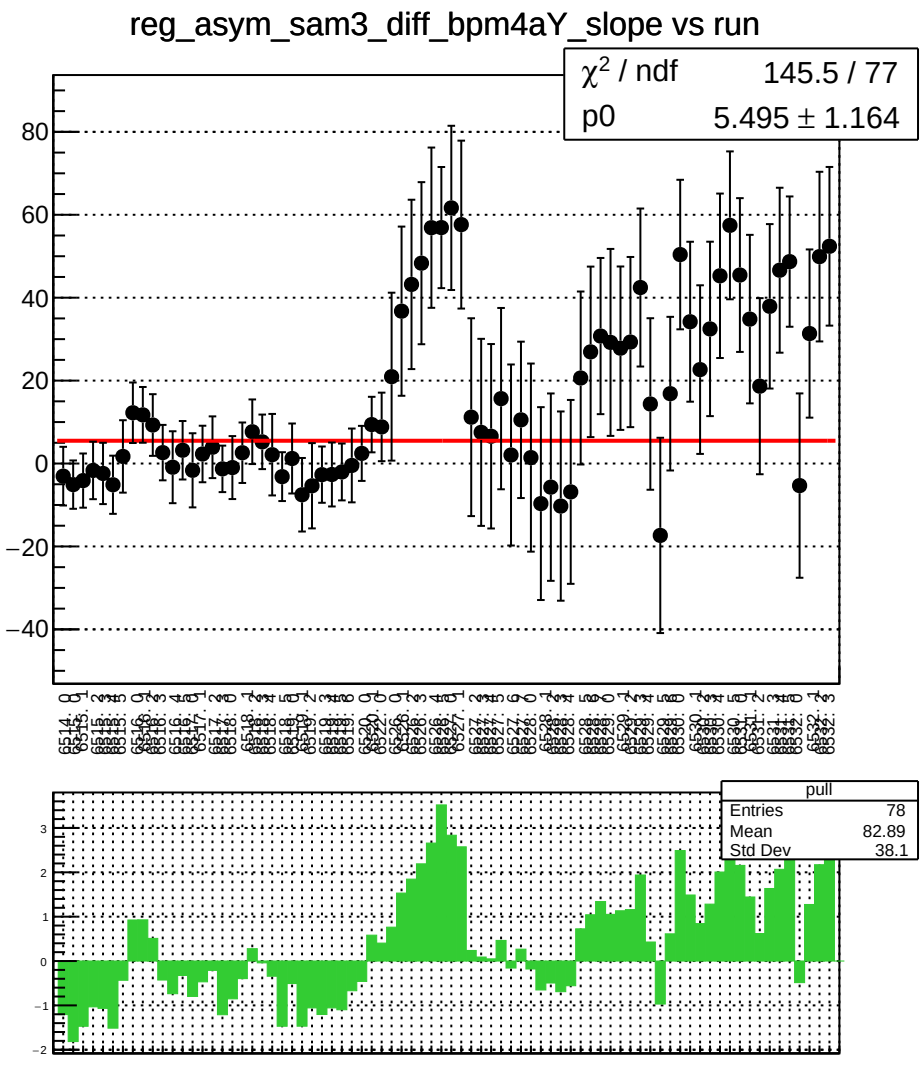
2
4
6
8

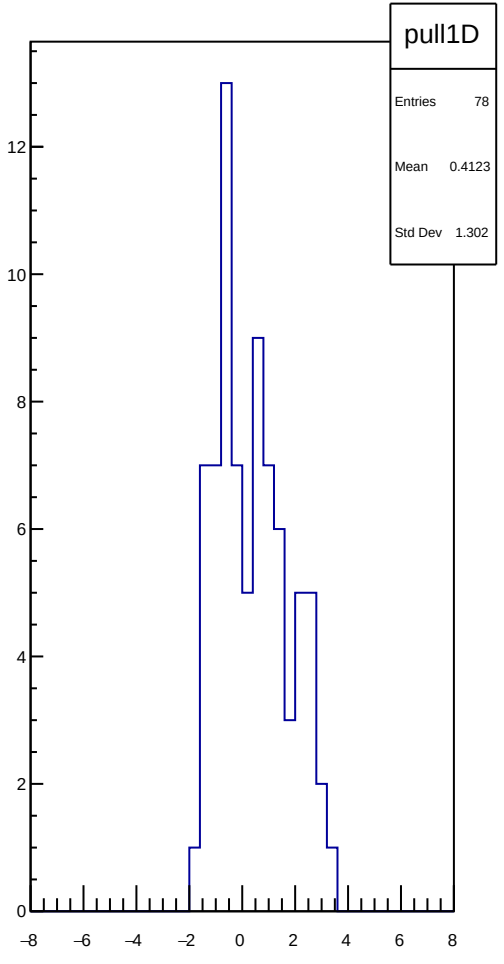

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 7.923 / 77
p0 1.506 ± 0.09235
pull
Entries 78
Mean 933.9
Std Dev 871.1

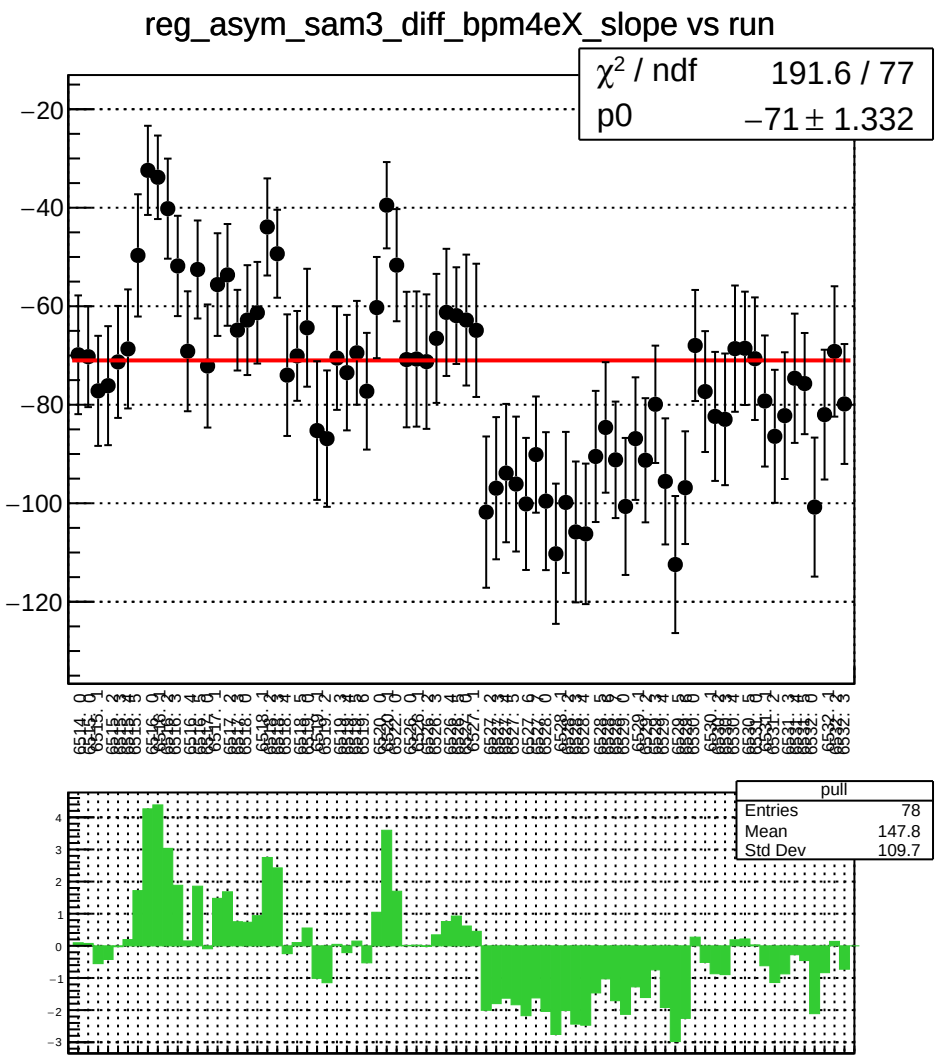

pull1D
Entries 78
Mean −0.001095
Std Dev 0.3187

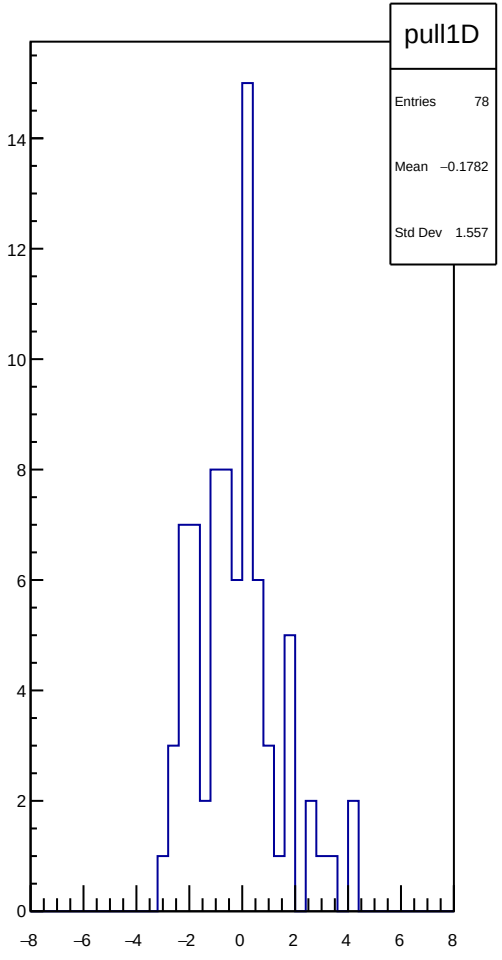

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 200.9 / 77
p0 −57.63 ± 1.229
pull
Entries 78
Mean 119.8
Std Dev 82.16

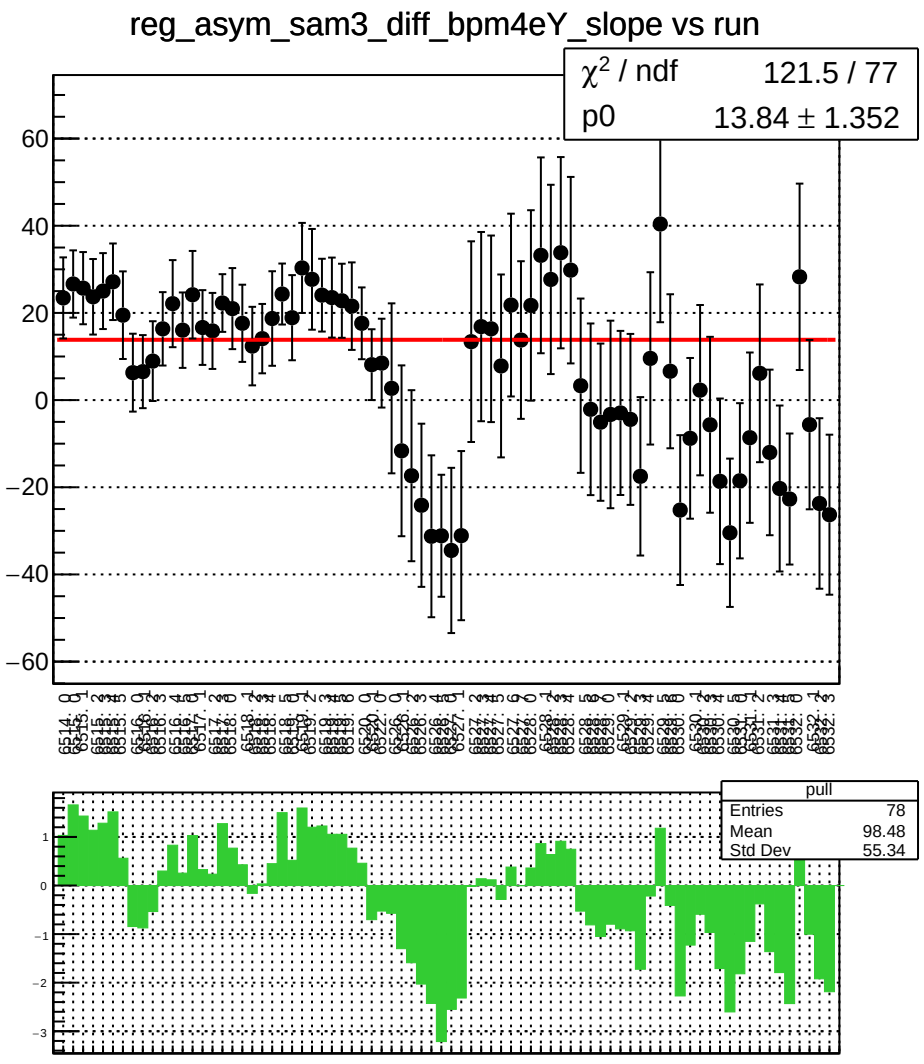

pull1D
Entries 78
Mean 0.1547
Std Dev 1.597

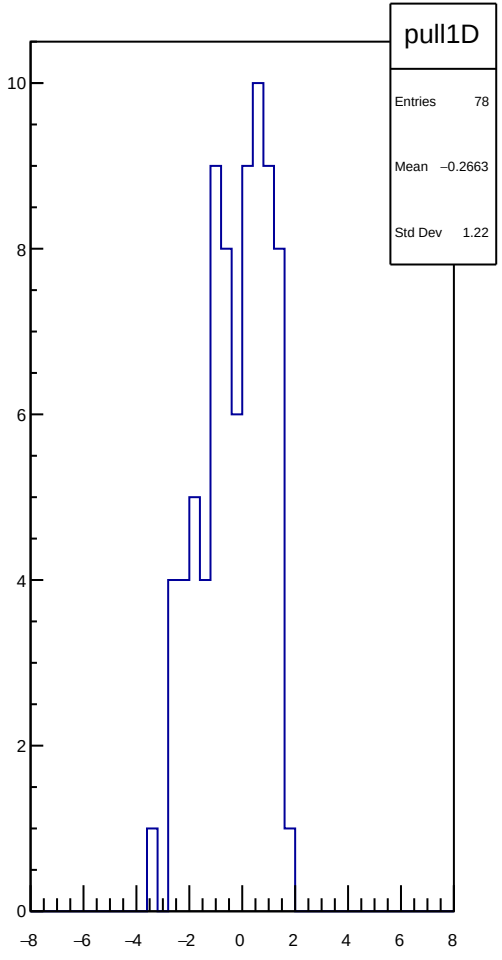

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 145.5 / 77
p0 5.495 ± 1.164
pull
Entries 78
Mean 82.89
Std Dev 38.1

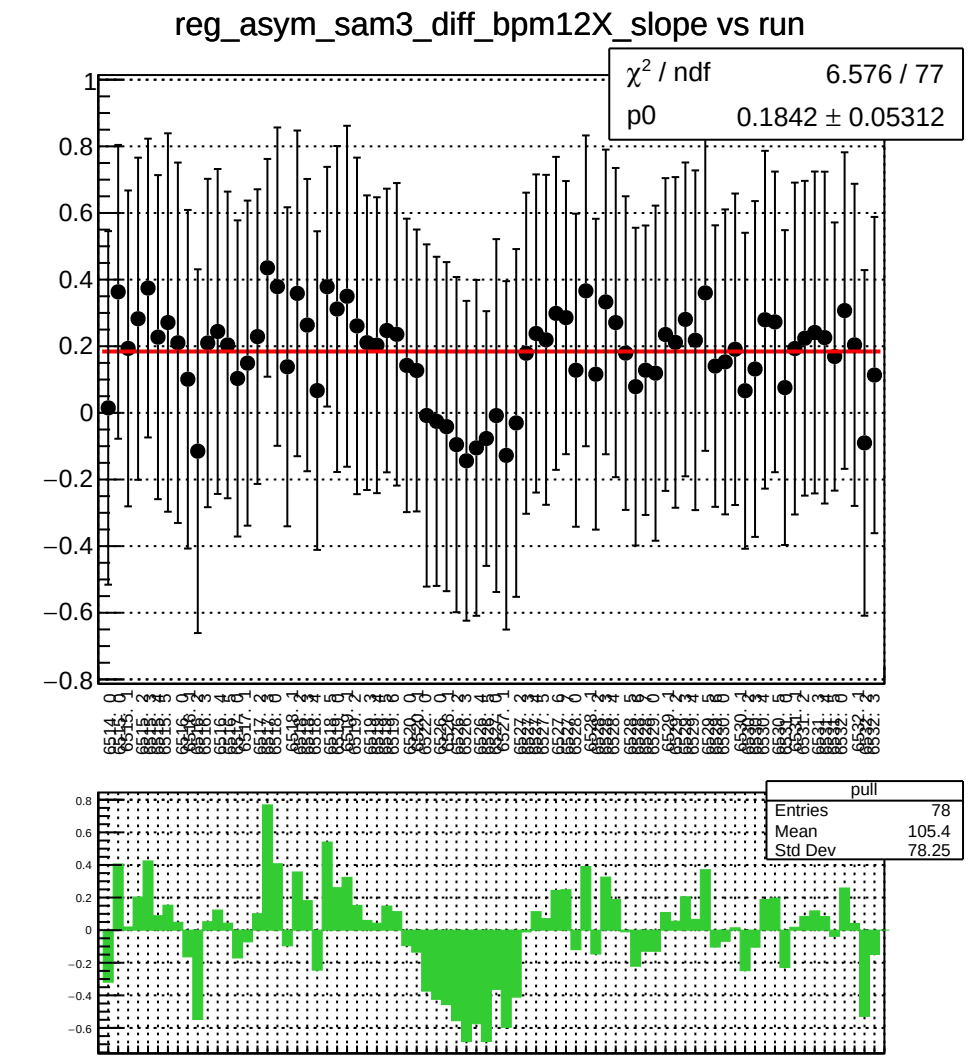

pull1D
Entries 78
Mean 0.4123
Std Dev 1.302

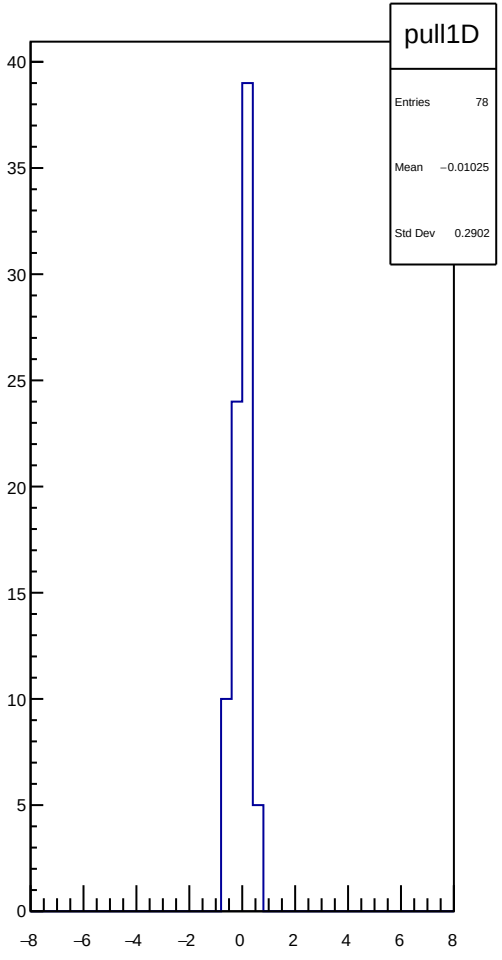

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 191.6 / 77
p0 −71 ± 1.332
pull
Entries 78
Mean 147.8
Std Dev 109.7

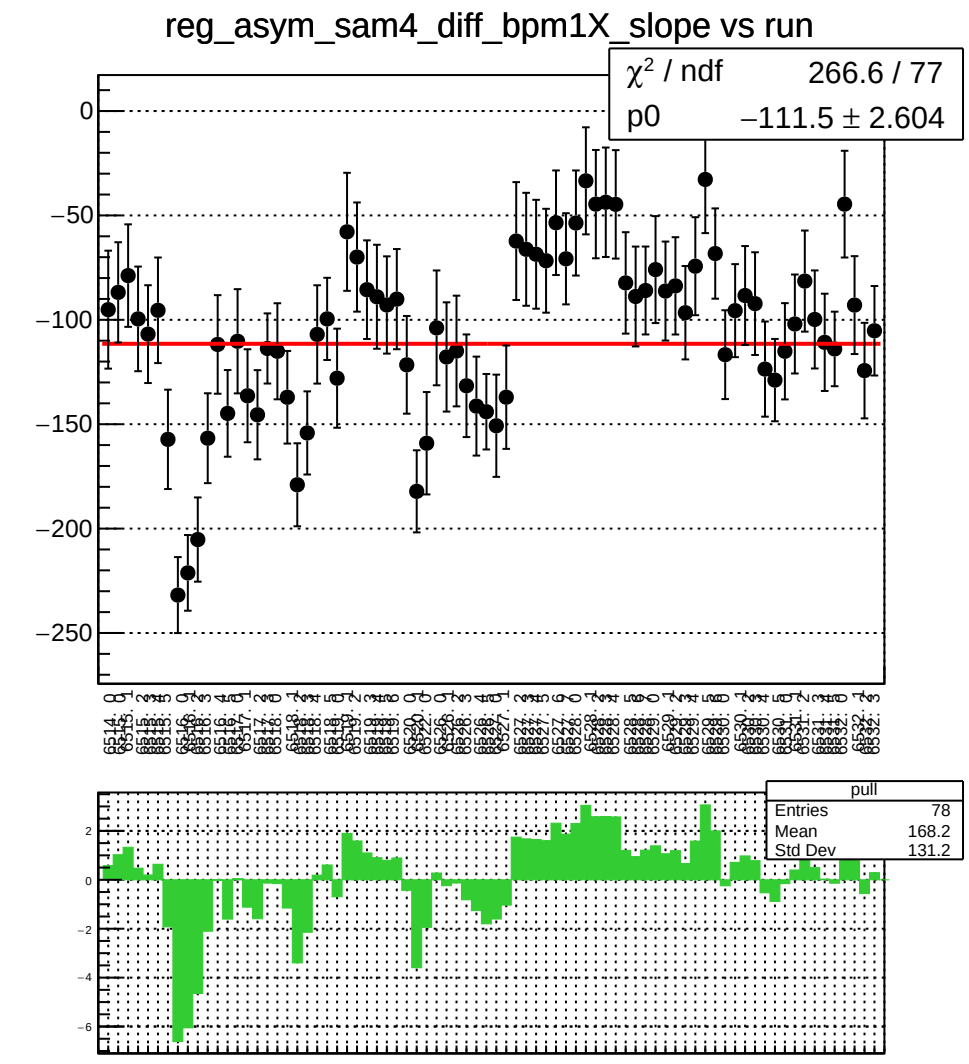

pull1D
Entries 78
Mean −0.1782
Std Dev 1.557

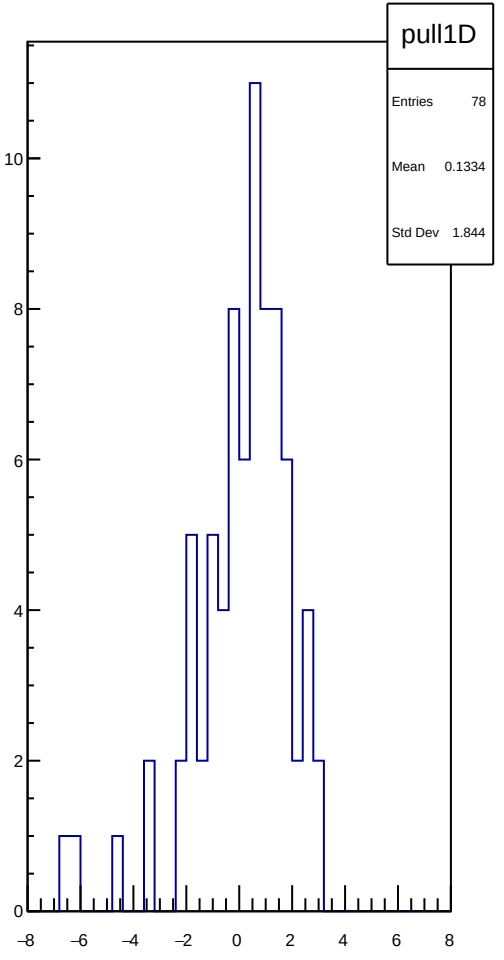

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 121.5 / 77
p0 13.84 ± 1.352
pull
Entries 78
Mean 98.48
Std Dev 55.34

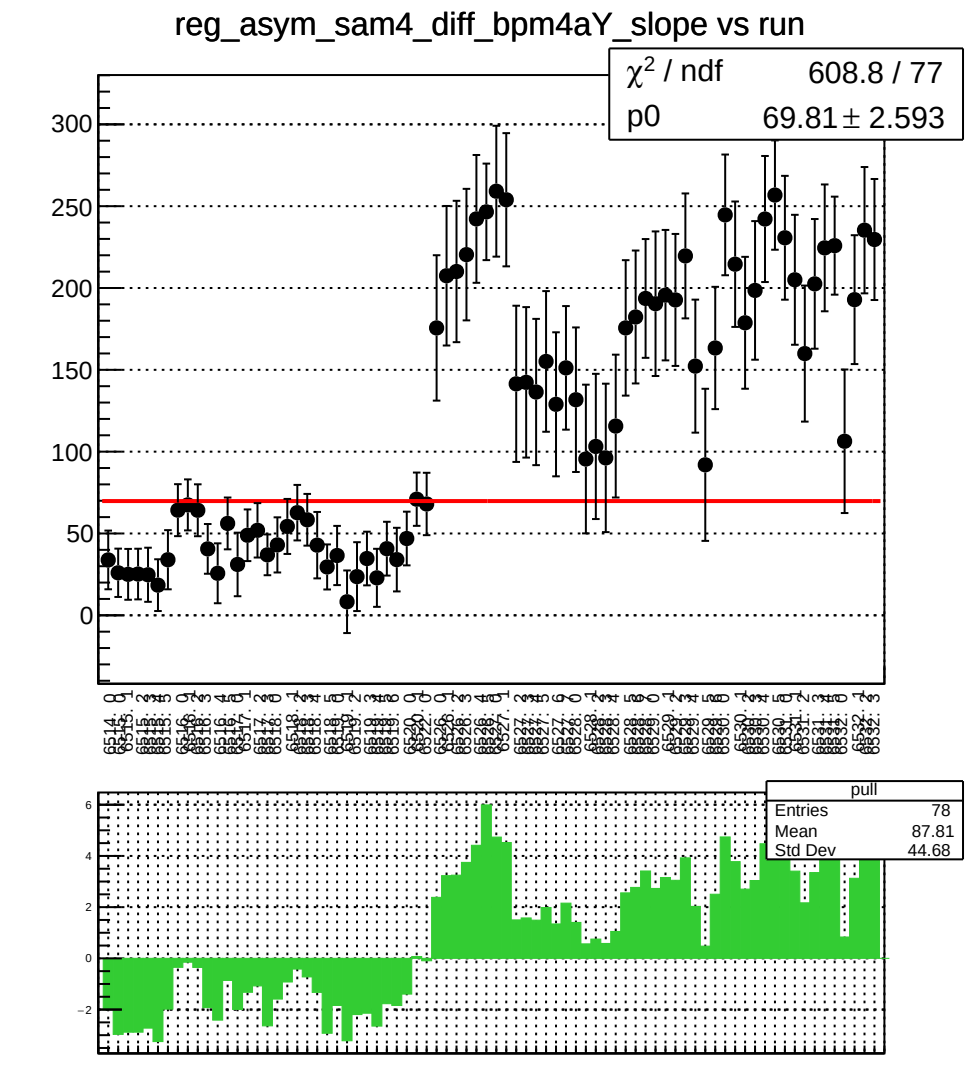

pull1D
Entries 78
Mean −0.2663
Std Dev 1.22

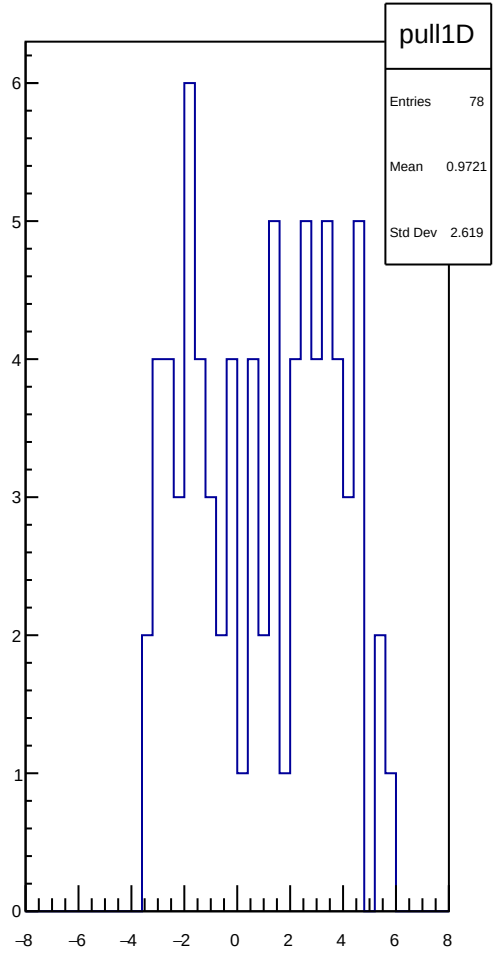

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 6.576 / 77
p0 0.1842 ± 0.05312
pull
Entries 78
Mean 105.4
Std Dev 78.25

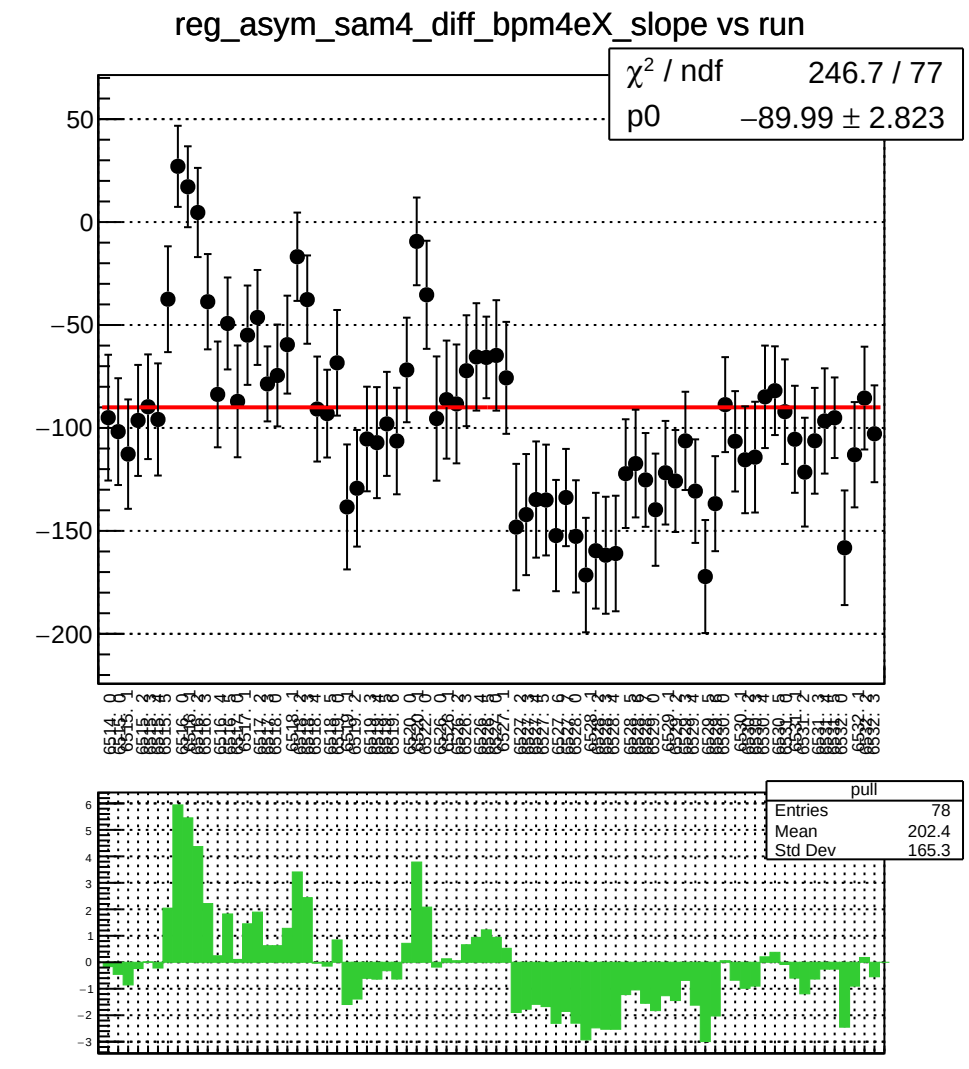

pull1D
Entries 78
Mean −0.01025
Std Dev 0.2902

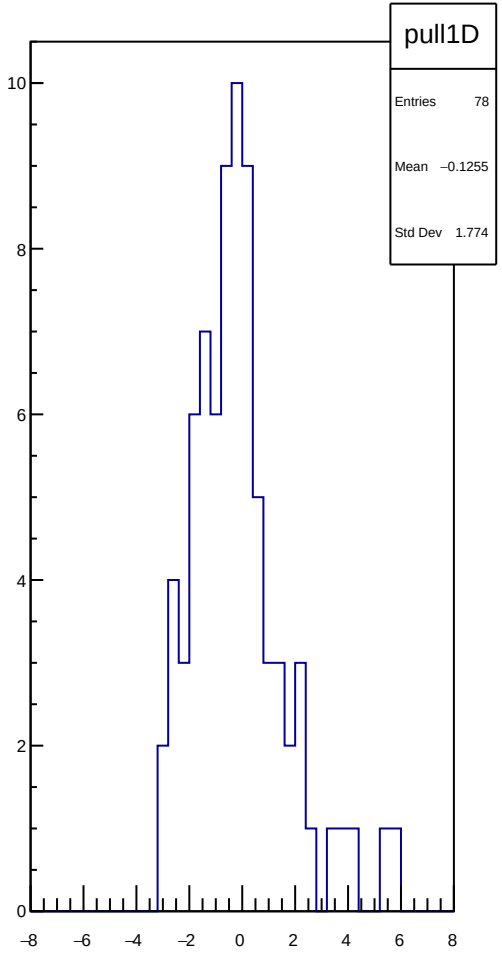

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 266.6 / 77
p0 −111.5 ± 2.604
pull
Entries 78
Mean 168.2
Std Dev 131.2

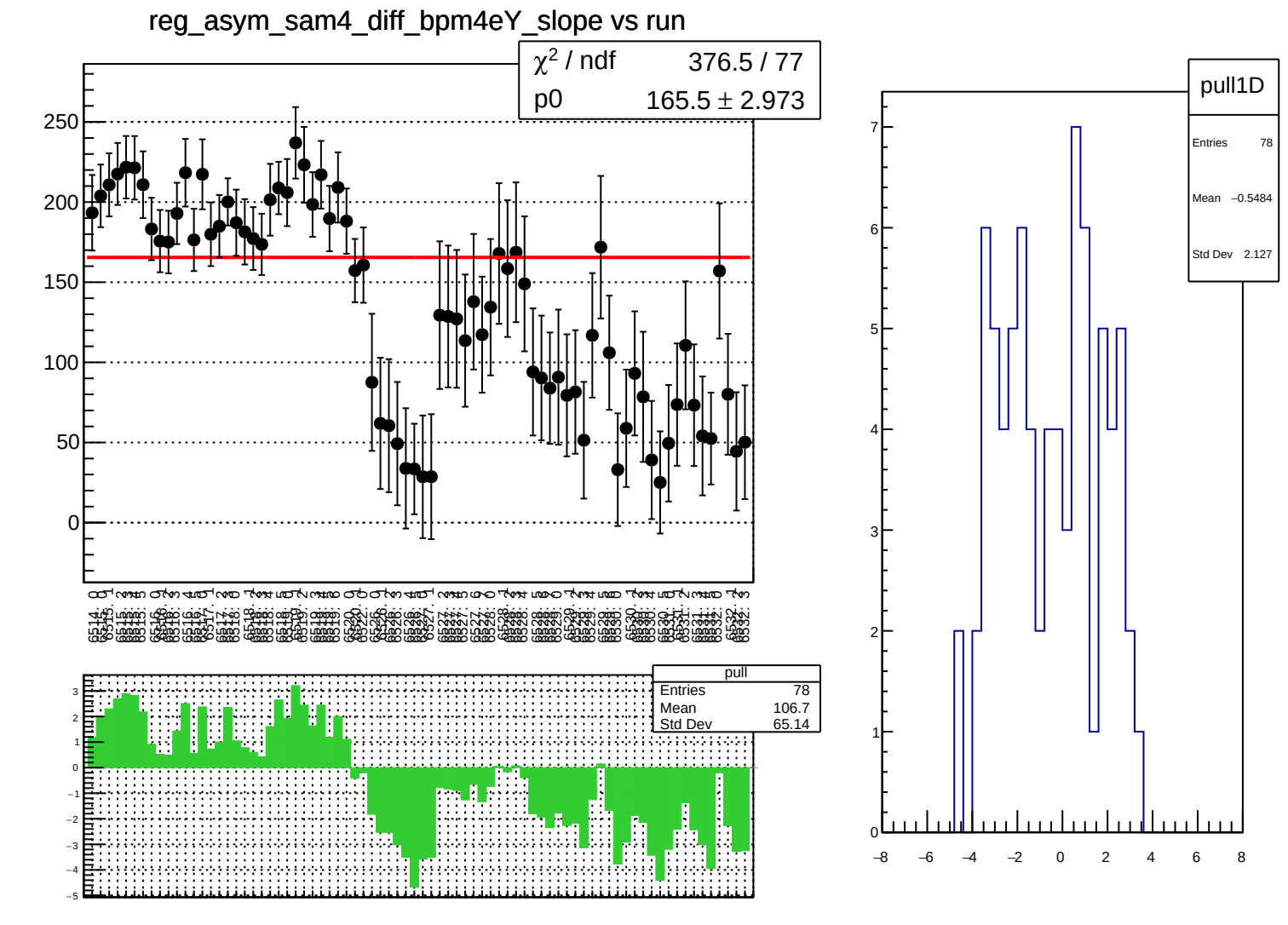

pull1D
Entries 78
Mean 0.1334
Std Dev 1.844

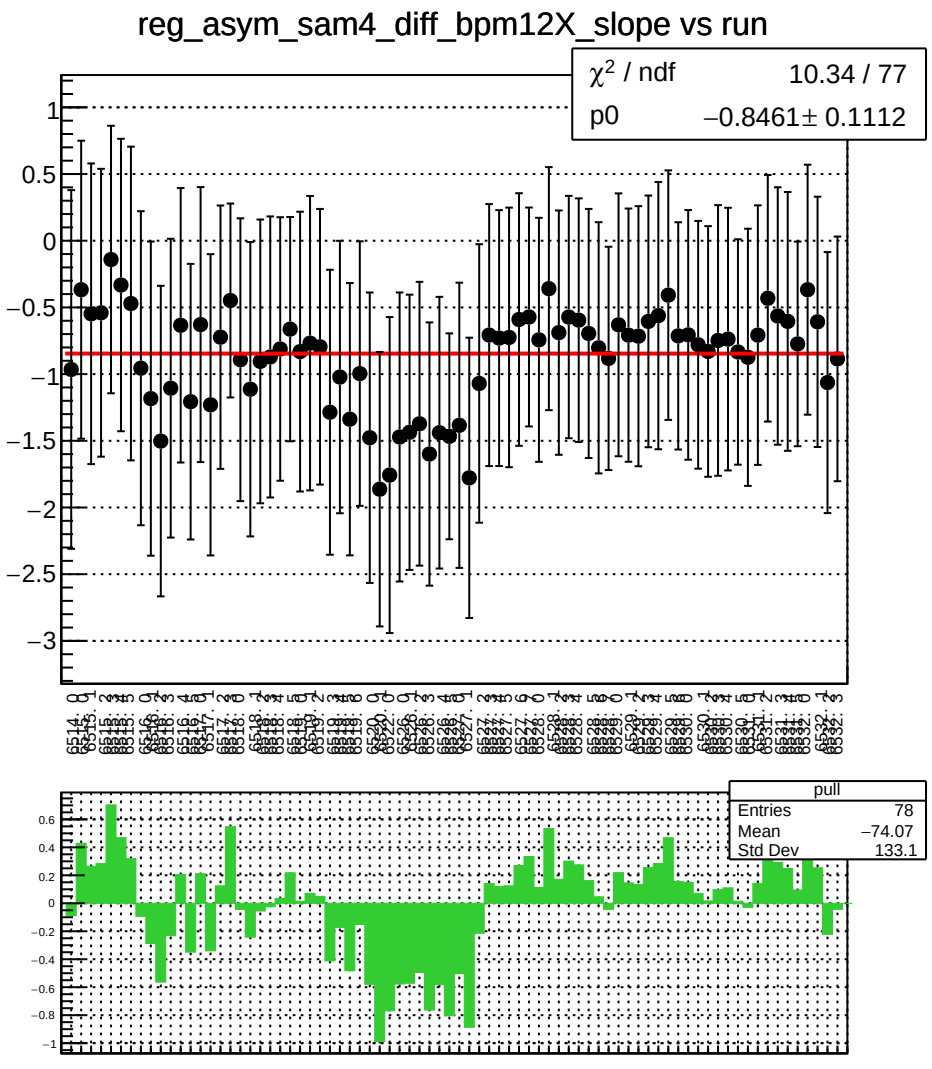

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 608.8 / 77
p0 69.81 ± 2.593
pull
Entries 78
Mean 87.81
Std Dev 44.68

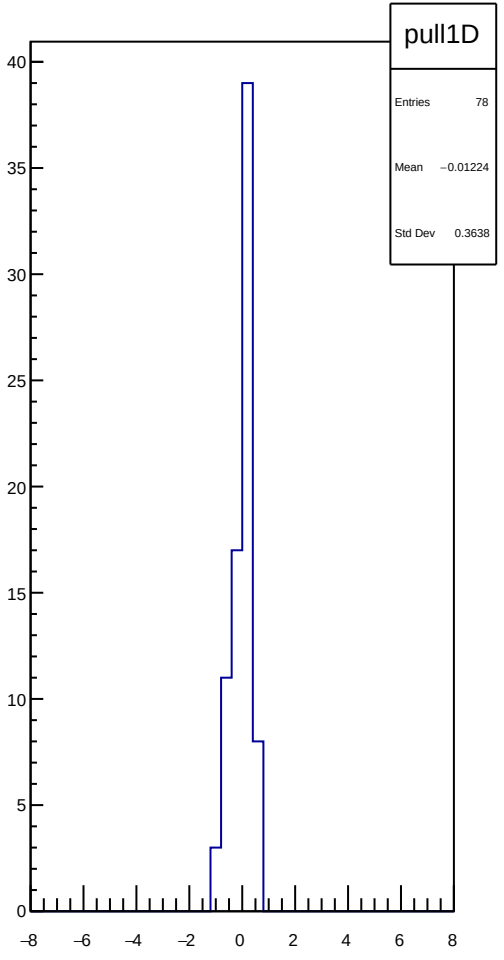

pull1D
Entries 78
Mean 0.9721
Std Dev 2.619

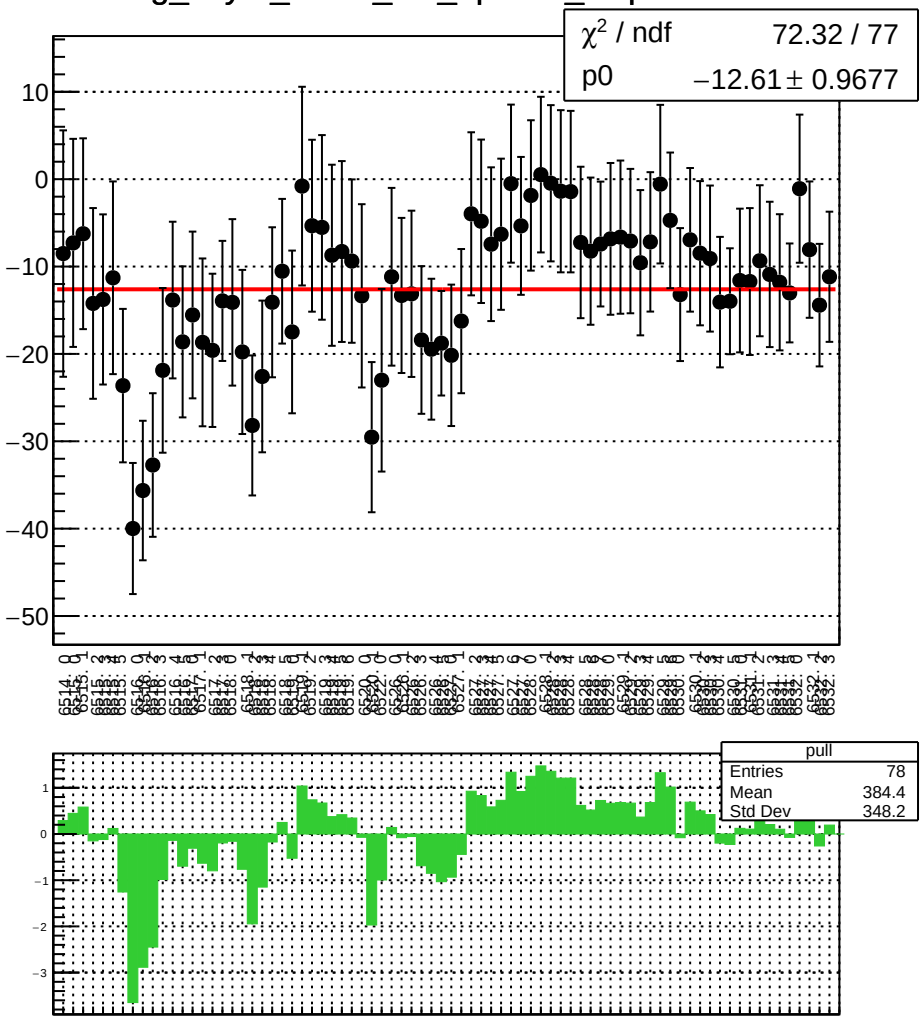

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 246.7 / 77
p0 −89.99 ± 2.823
pull
Entries 78
Mean 202.4
Std Dev 165.3

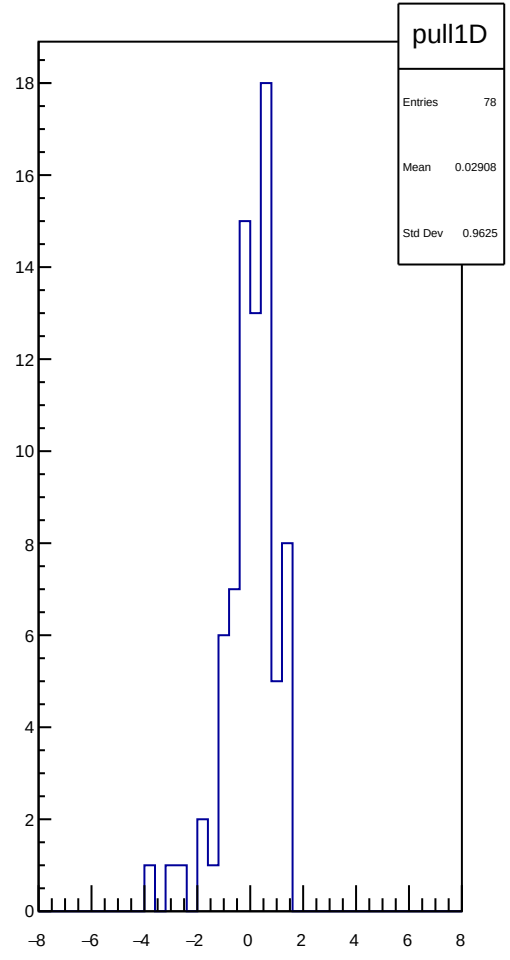

pull1D
Entries 78
Mean −0.1255
Std Dev 1.774

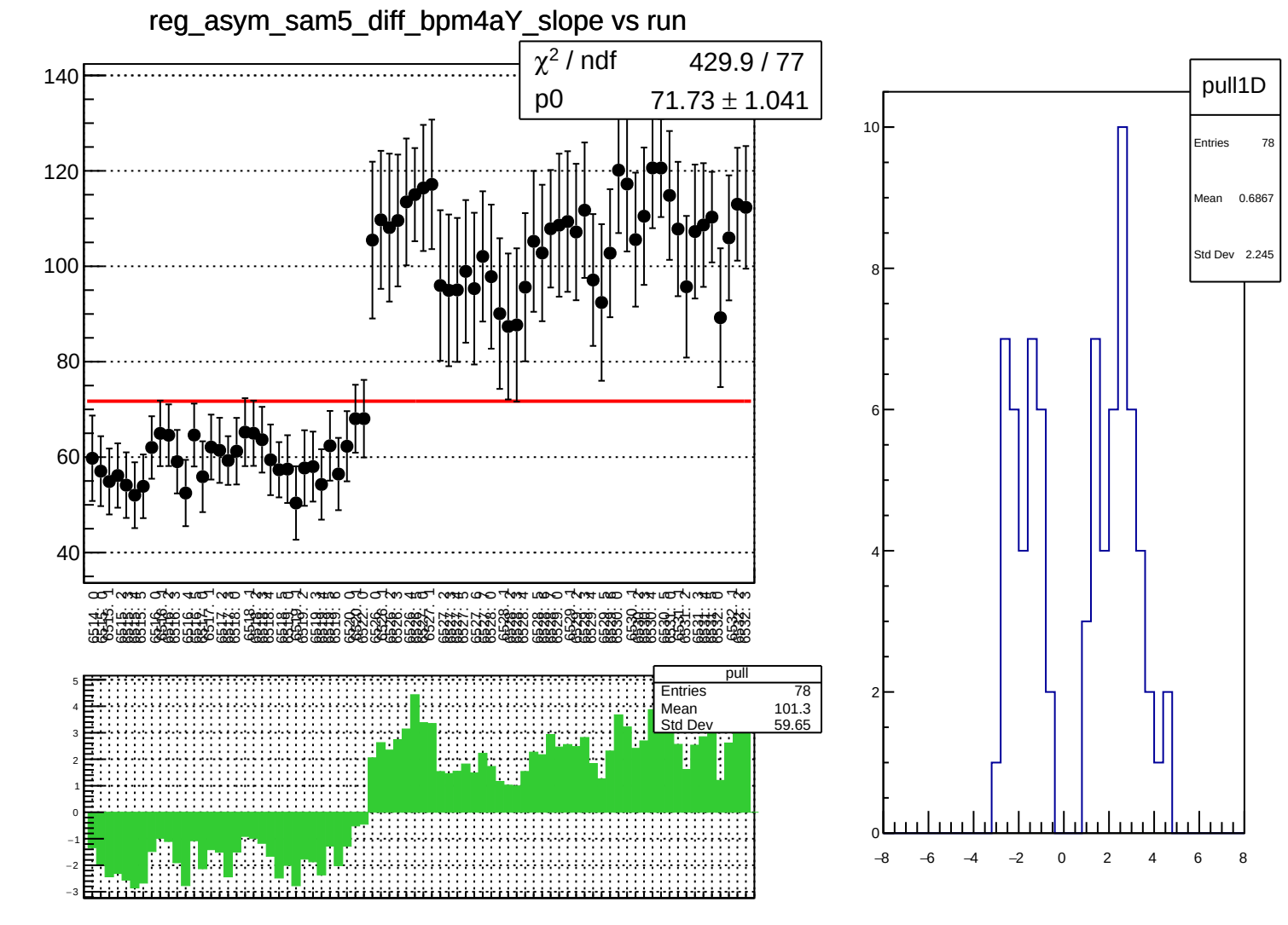

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 376.5 / 77
p0 165.5 ± 2.973
pull
Entries 78
Mean 106.7
Std Dev 65.14
pull1D
Entries 78
Mean −0.5484
Std Dev 2.127

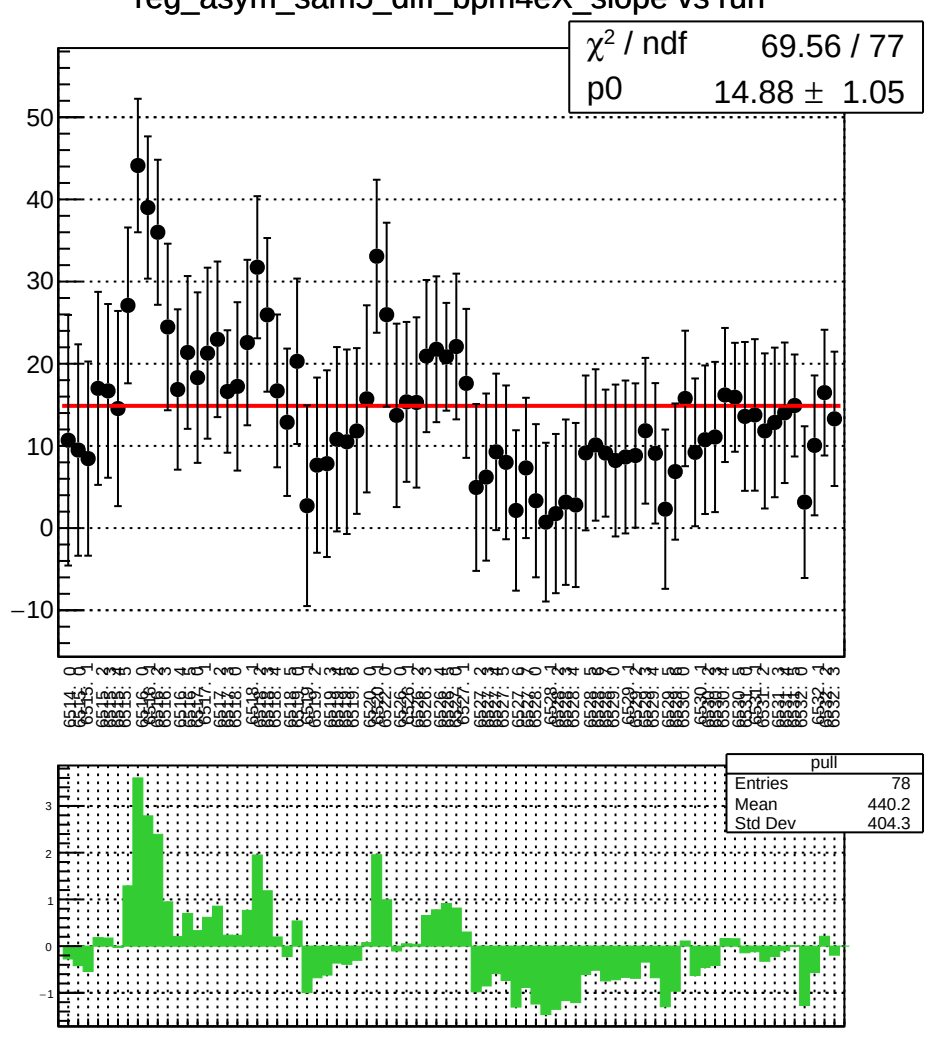

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 10.34 / 77
p0 −0.8461± 0.1112
pull
Entries 78
Mean −74.07
Std Dev 133.1

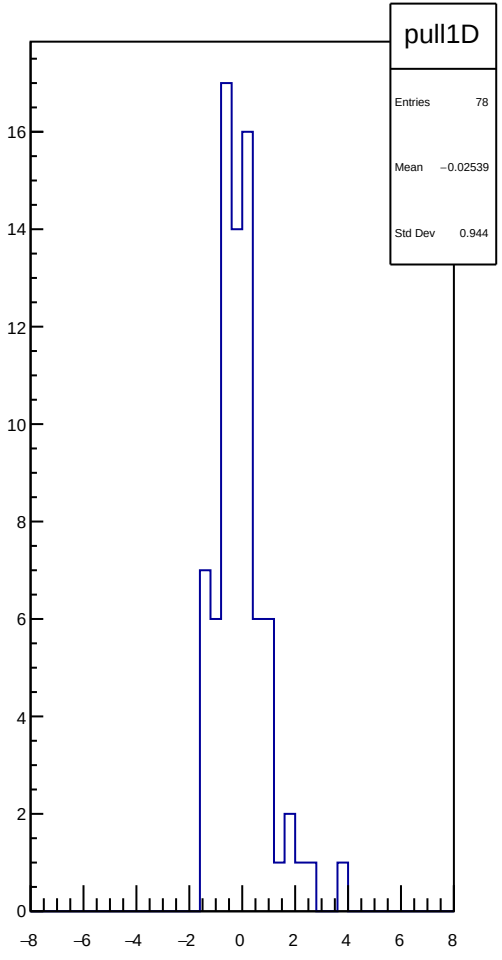

pull1D
Entries 78
Mean −0.01224
Std Dev 0.3638

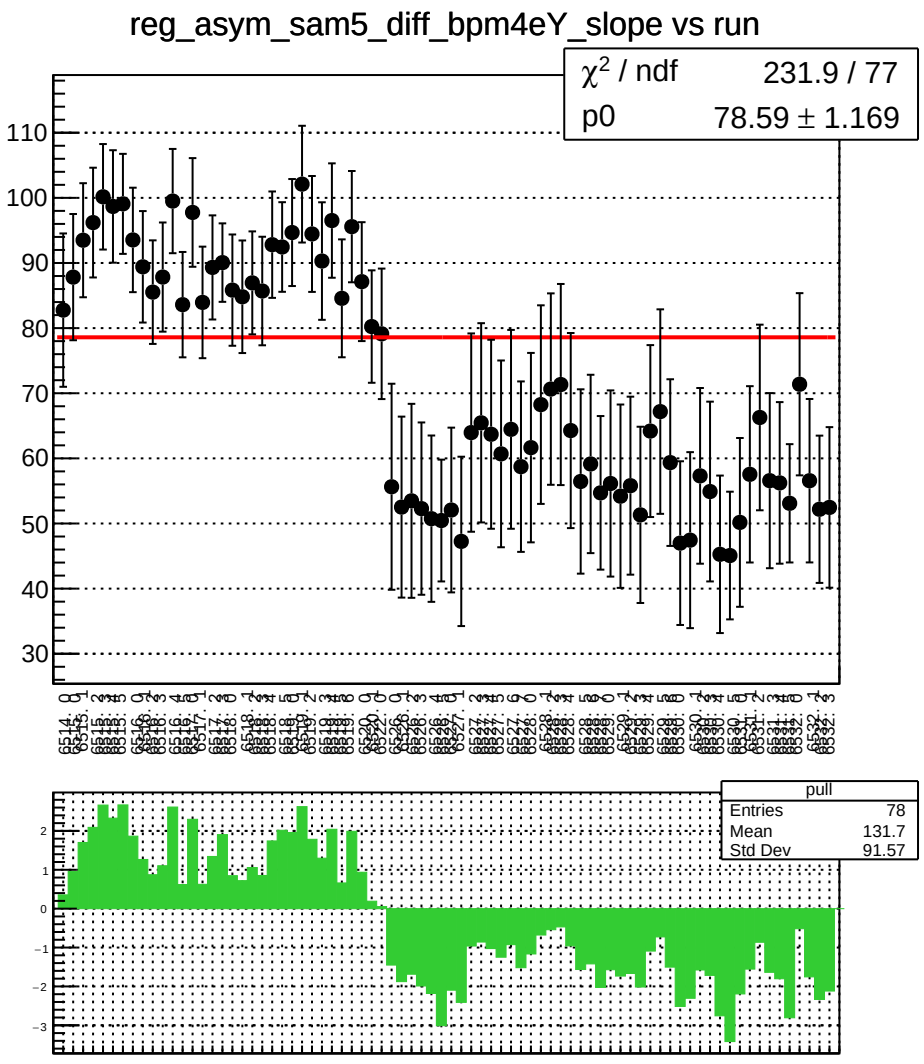

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 72.32 / 77
p0 −12.61 ± 0.9677
pull
Entries 78
Mean 384.4
Std Dev 348.2

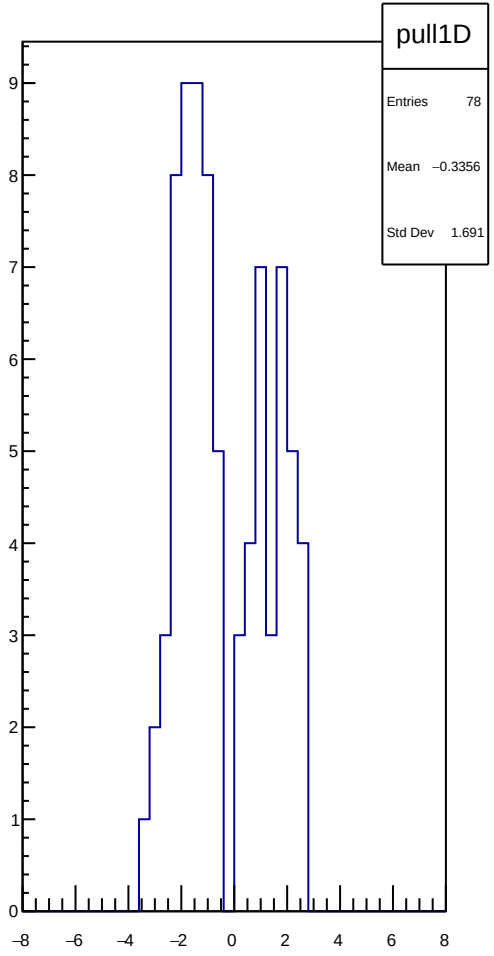

pull1D
Entries 78
Mean 0.02908
Std Dev 0.9625

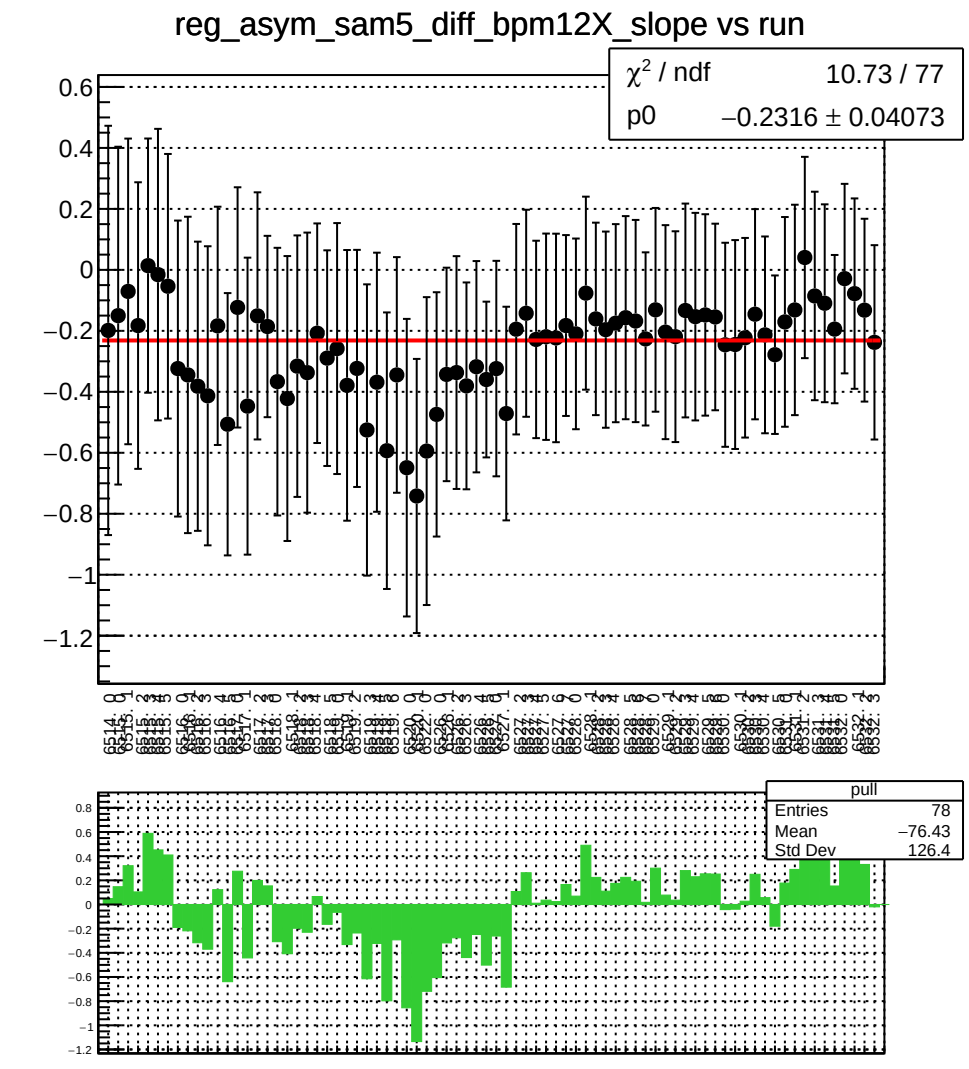

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 429.9 / 77
p0 71.73 ± 1.041
pull
Entries 78
Mean 101.3
Std Dev 59.65
pull1D
Entries 78
Mean 0.6867
Std Dev 2.245

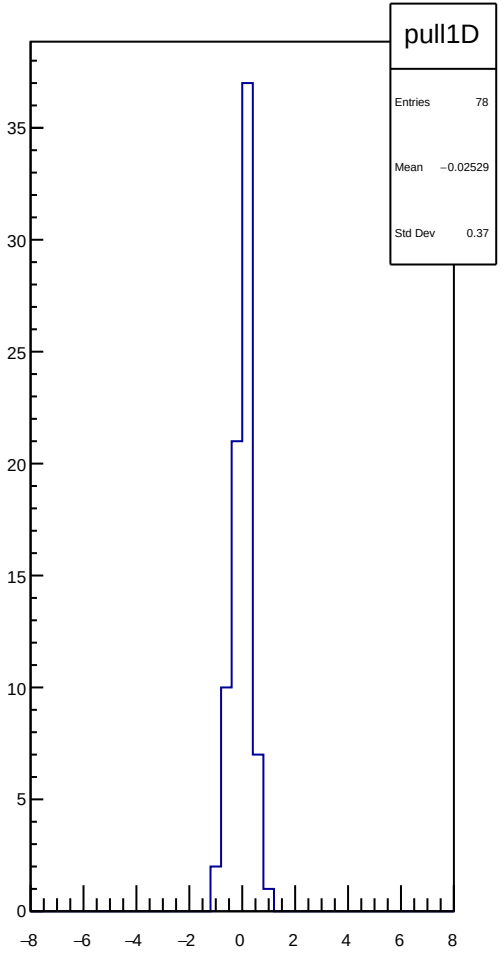

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 69.56 / 77
p0 14.88 ± 1.05
pull
Entries 78
Mean 440.2
Std Dev 404.3

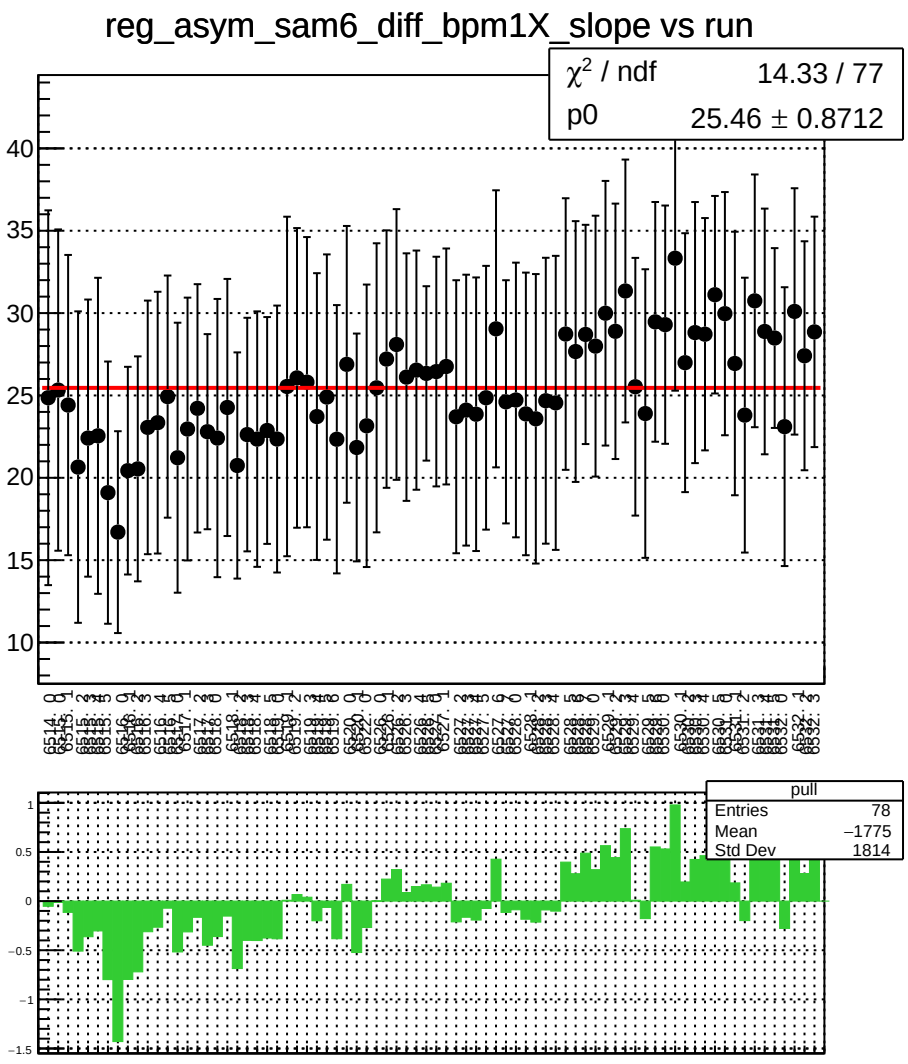

pull1D
Entries 78
Mean −0.02539
Std Dev 0.944

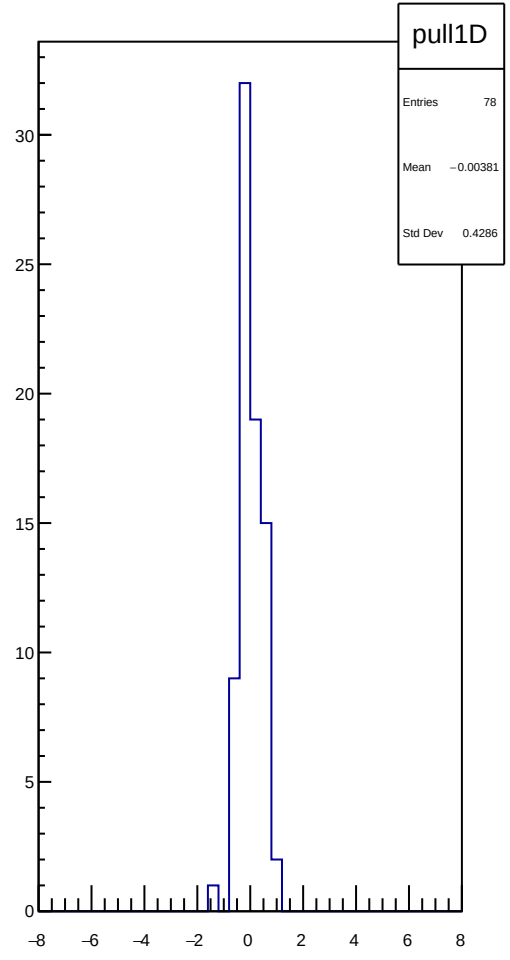

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 231.9 / 77
p0 78.59 ± 1.169
pull
Entries 78
Mean 131.7
Std Dev 91.57

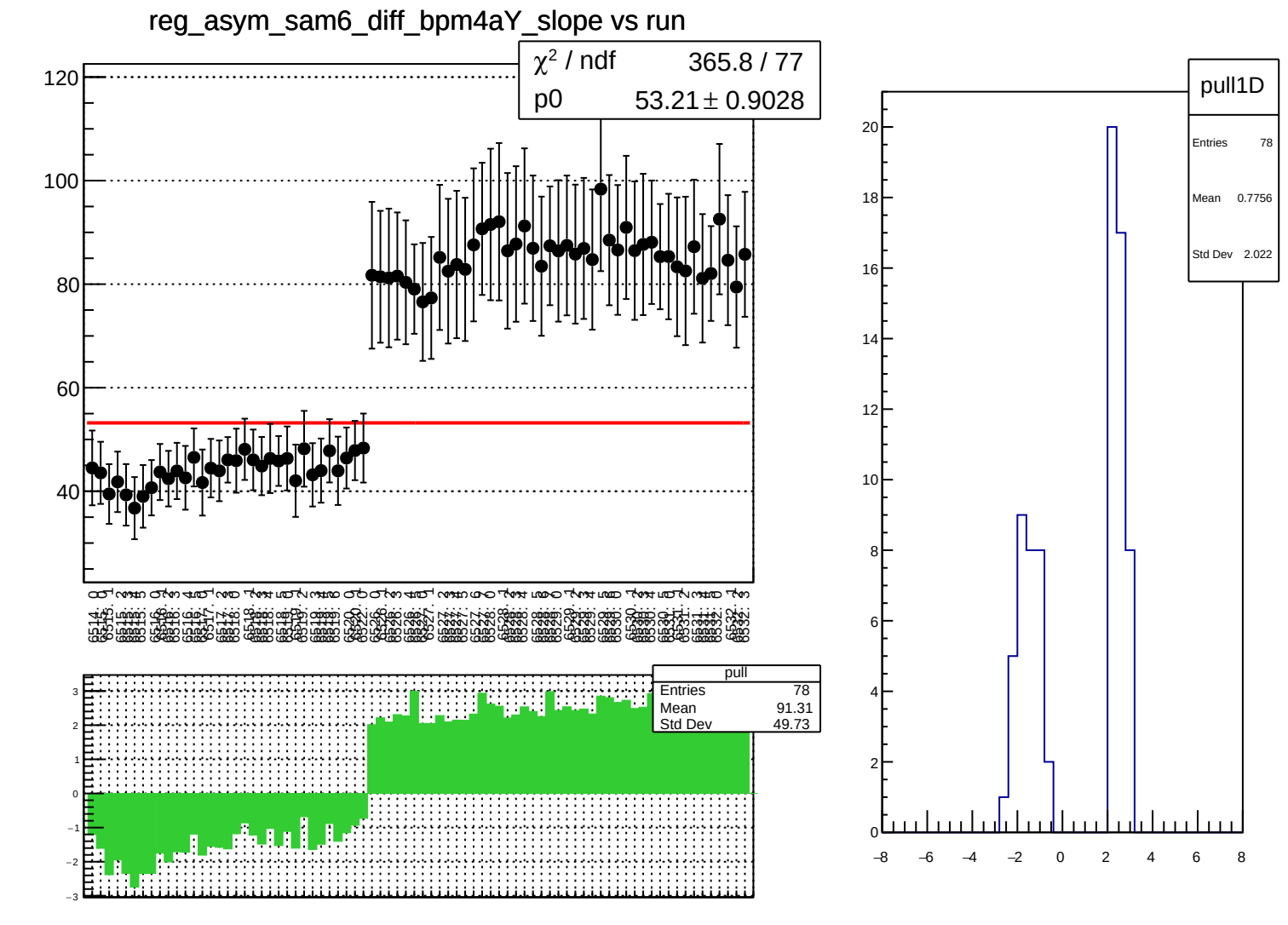

pull1D
Entries 78
Mean −0.3356
Std Dev 1.691

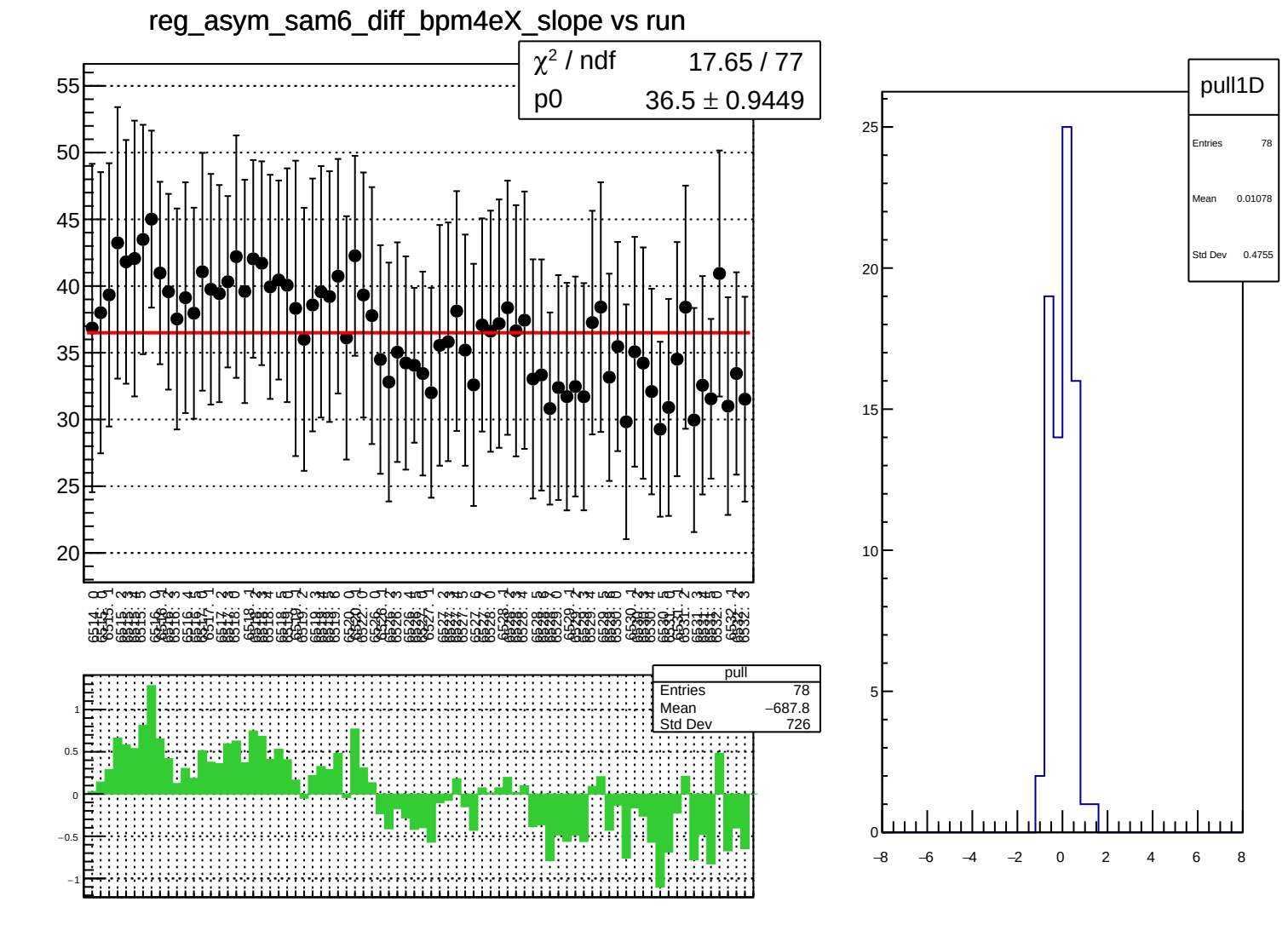

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 10.73 / 77
p0 −0.2316 ± 0.04073
pull
Entries 78
Mean −76.43
Std Dev 126.4

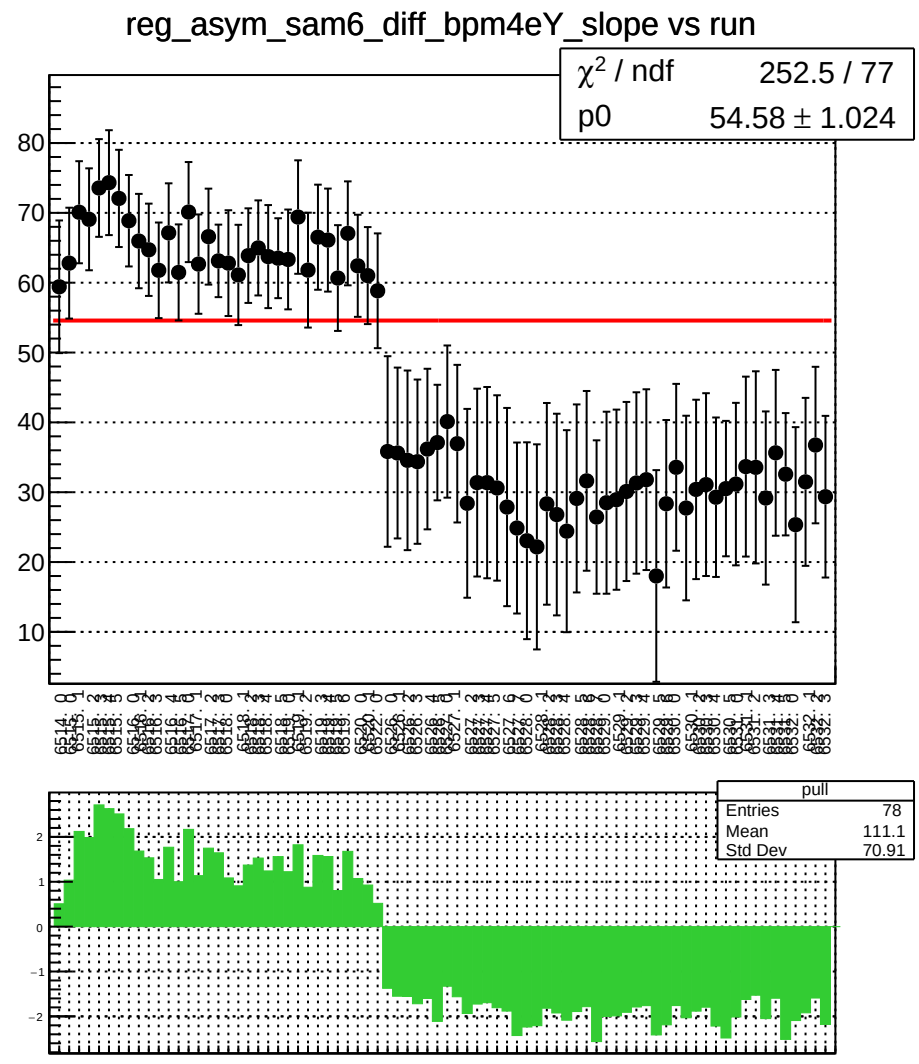

pull1D
Entries 78
Mean −0.02529
Std Dev 0.37

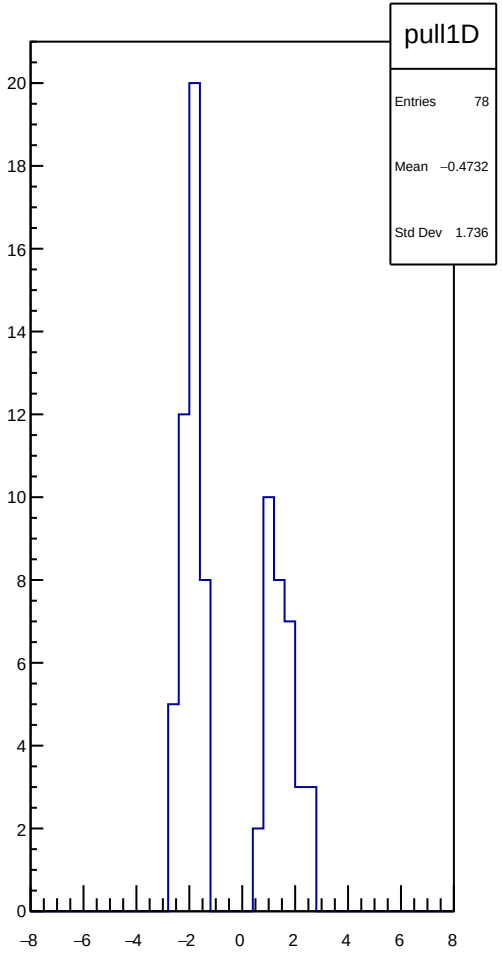

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 14.33 / 77
p0 25.46 ± 0.8712
pull
Entries 78
Mean −1775
Std Dev 1814

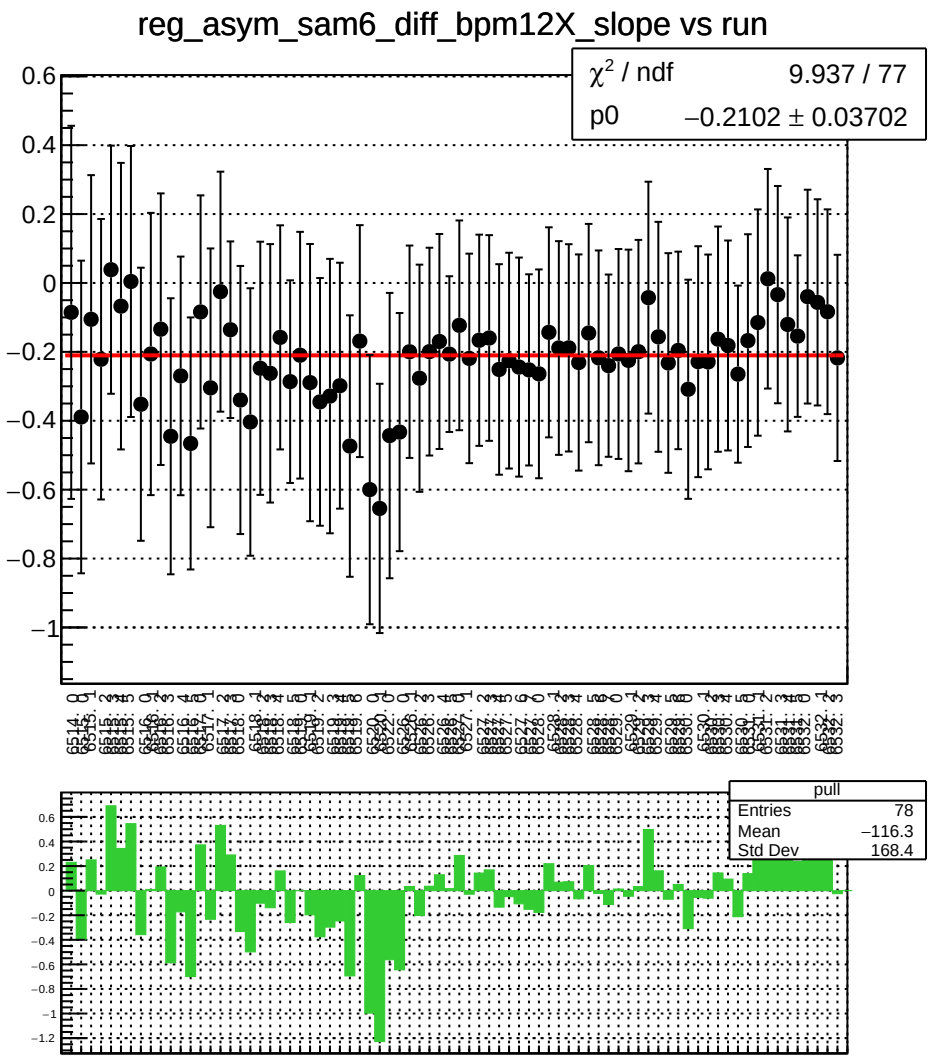

pull1D
Entries 78
Mean −0.00381
Std Dev 0.4286

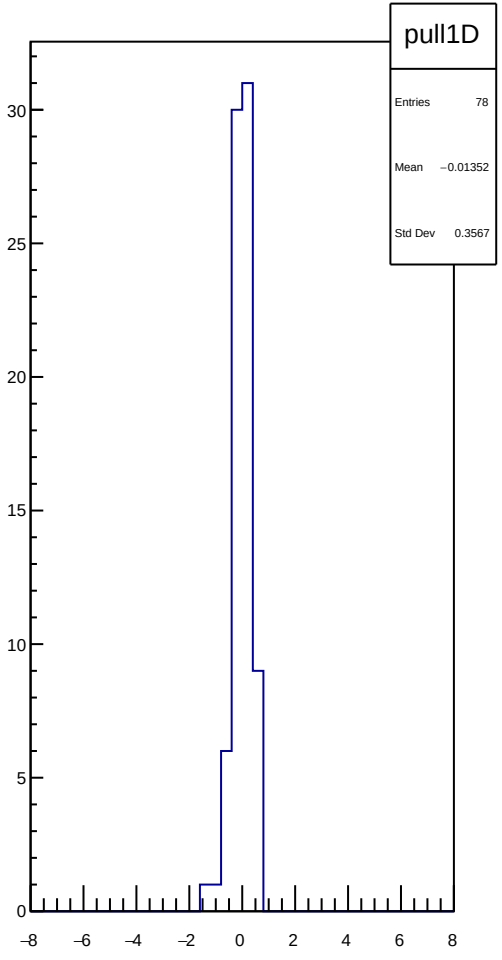

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 365.8 / 77
p0 53.21 ± 0.9028
pull
Entries 78
Mean 91.31
Std Dev 49.73
pull1D
Entries 78
Mean 0.7756
Std Dev 2.022

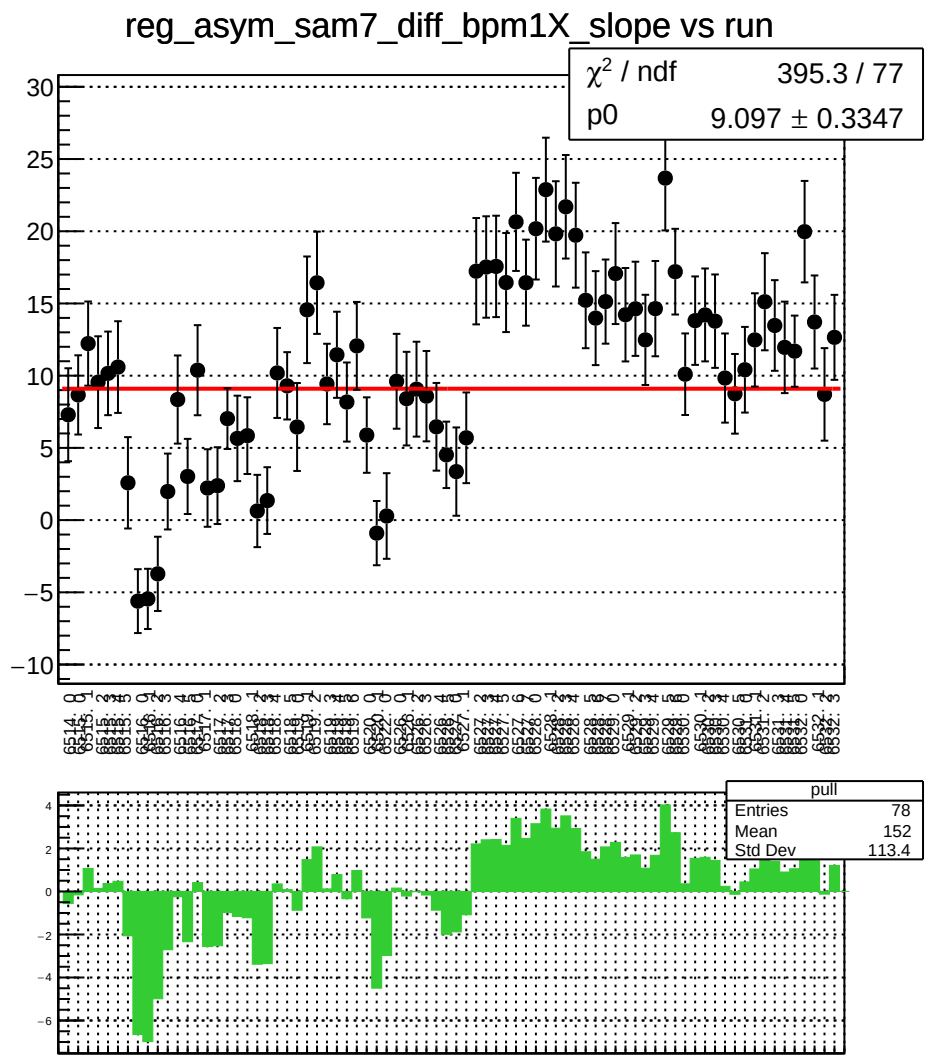

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 17.65 / 77
p0 36.5 ± 0.9449
pull
Entries 78
Mean −687.8
Std Dev 726
pull1D
Entries 78
Mean 0.01078
Std Dev 0.4755

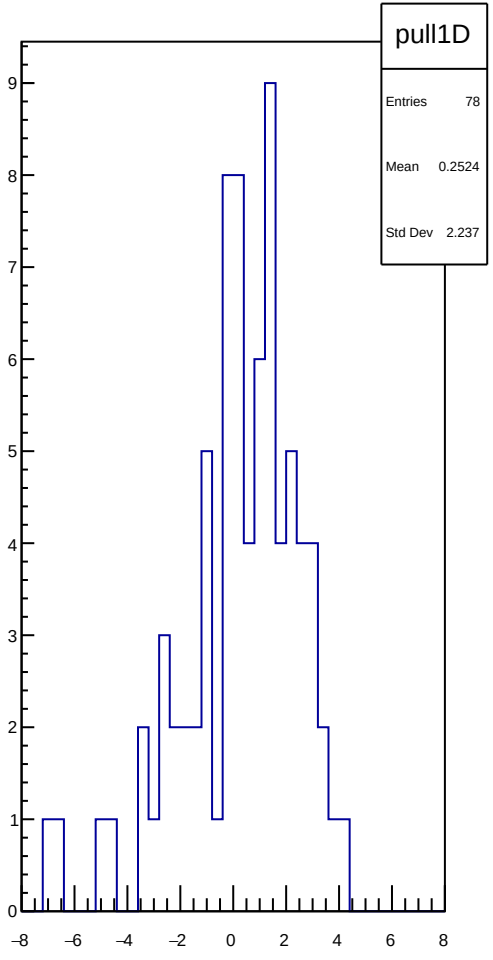

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 252.5 / 77
p0 54.58 ± 1.024
pull
Entries 78
Mean 111.1
Std Dev 70.91

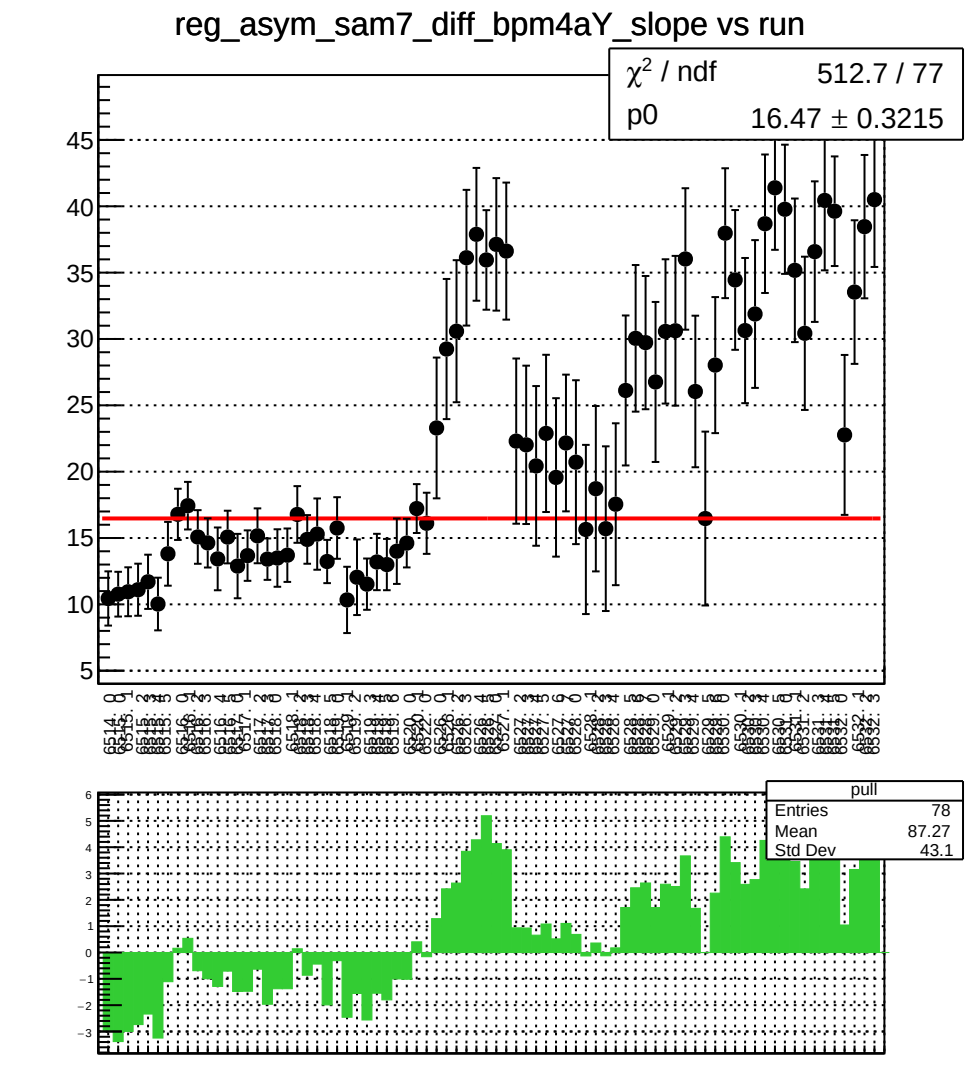

pull1D
Entries 78
Mean −0.4732
Std Dev 1.736

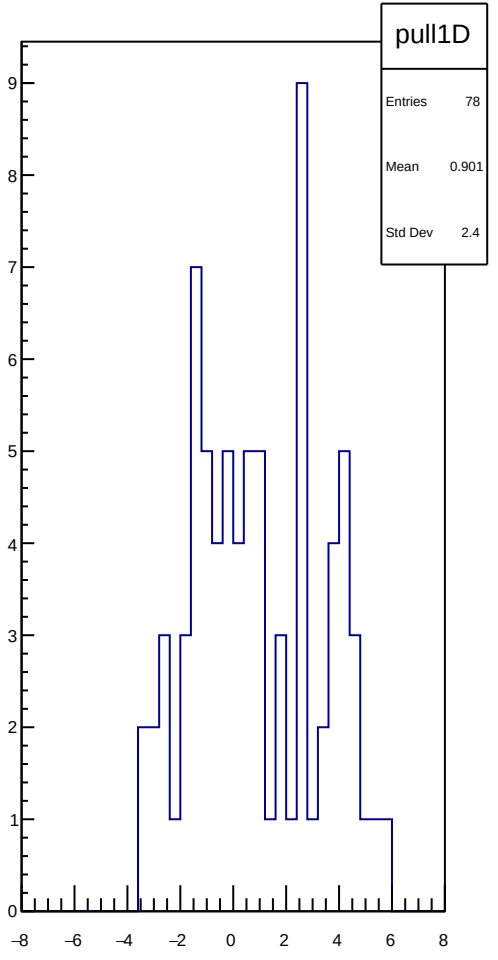

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 9.937 / 77
p0 −0.2102 ± 0.03702
pull
Entries 78
Mean −116.3
Std Dev 168.4

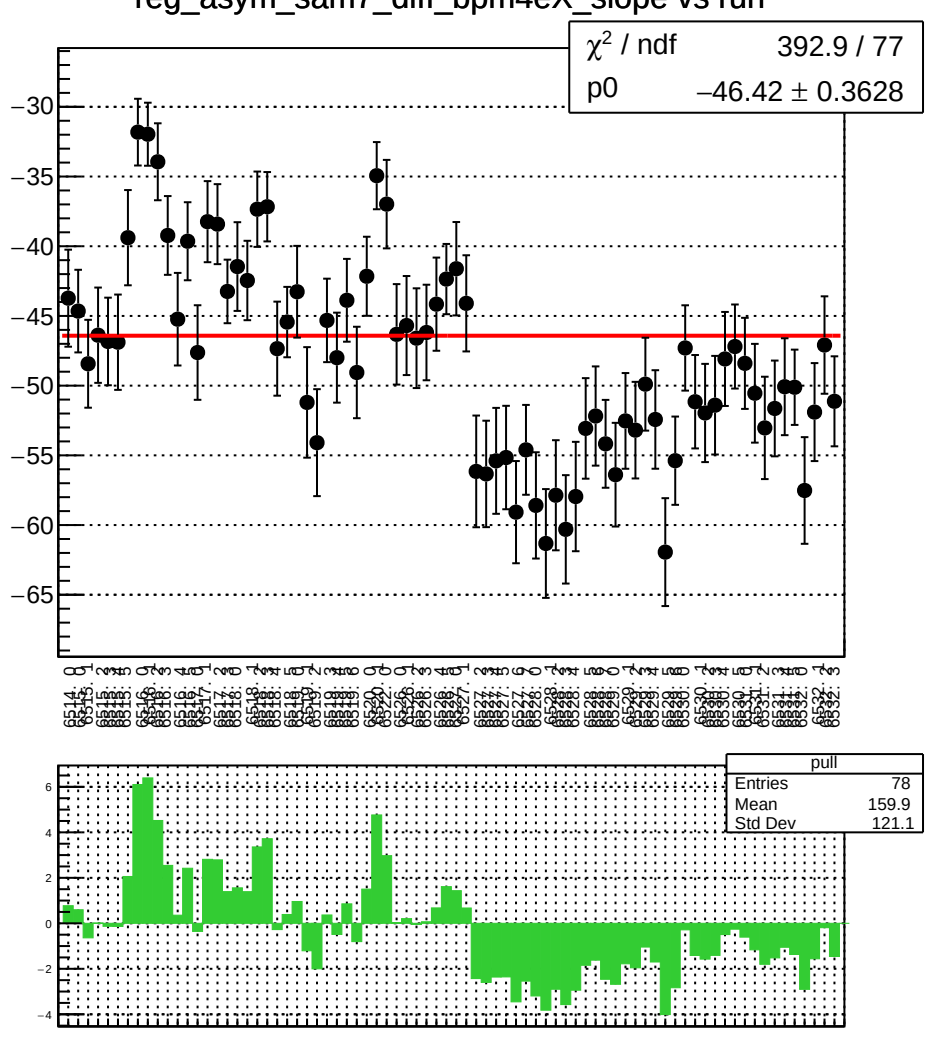

pull1D
Entries 78
Mean −0.01352
Std Dev 0.3567

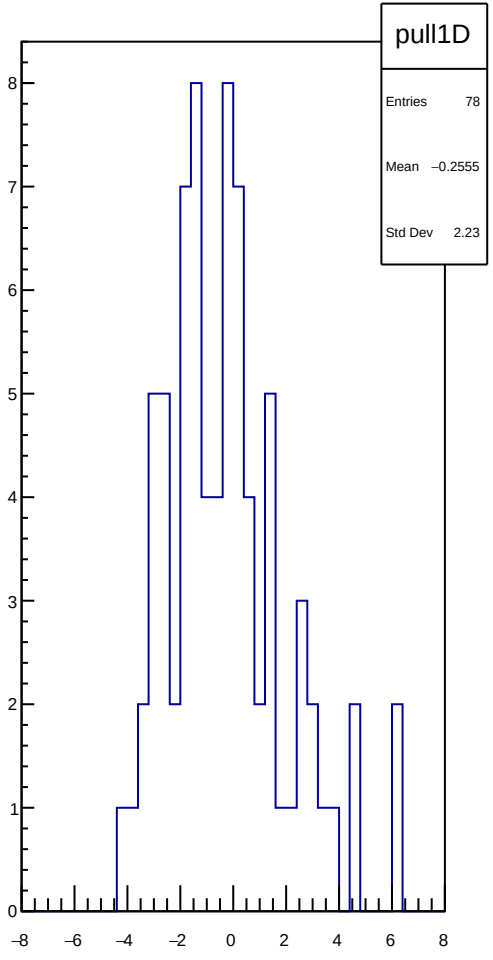

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 395.3 / 77
p0 9.097 ± 0.3347
pull
Entries 78
Mean 152
Std Dev 113.4

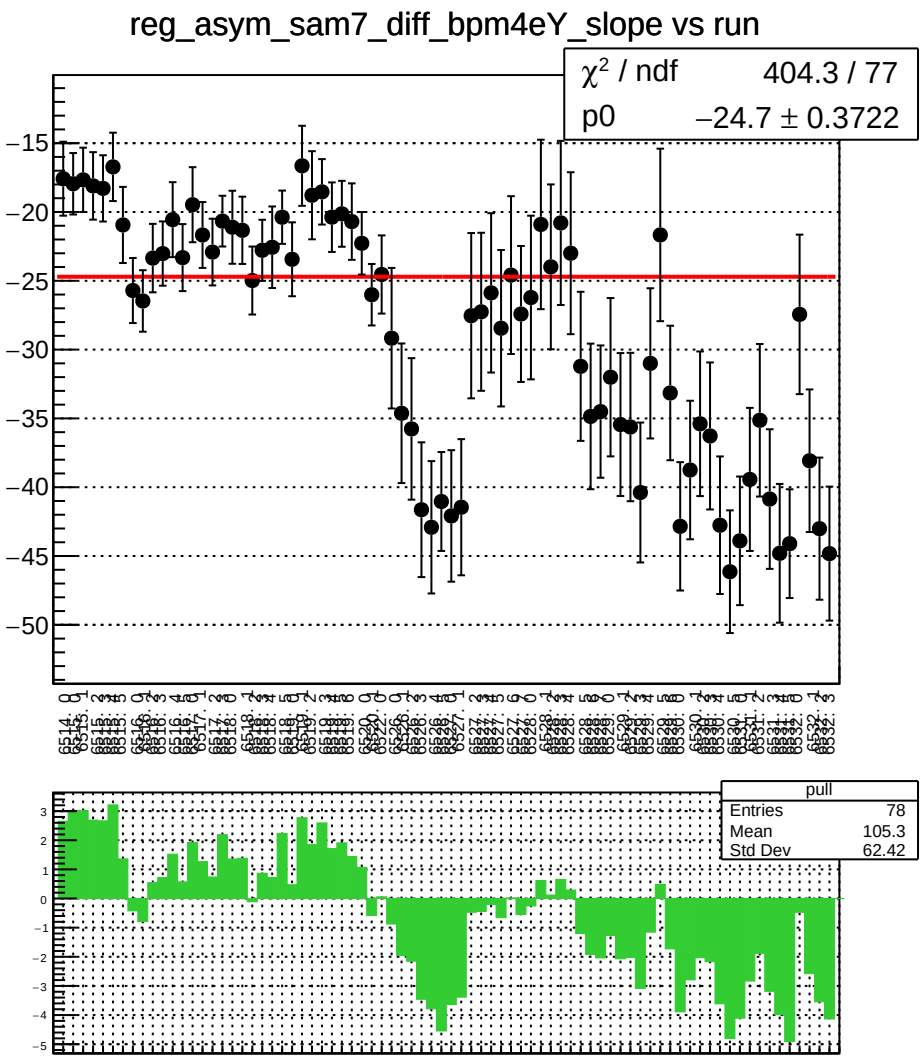

pull1D
Entries 78
Mean 0.2524
Std Dev 2.237

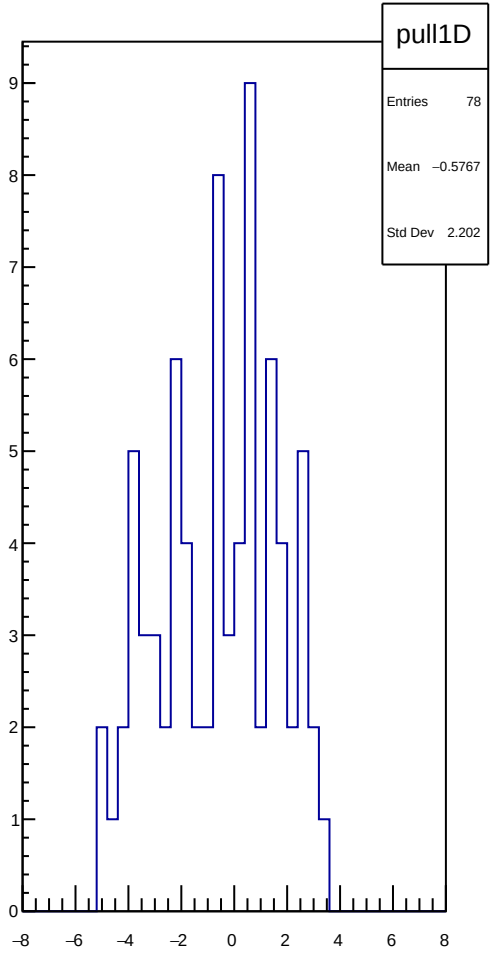

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 512.7 / 77
p0 16.47 ± 0.3215
pull
Entries 78
Mean 87.27
Std Dev 43.1

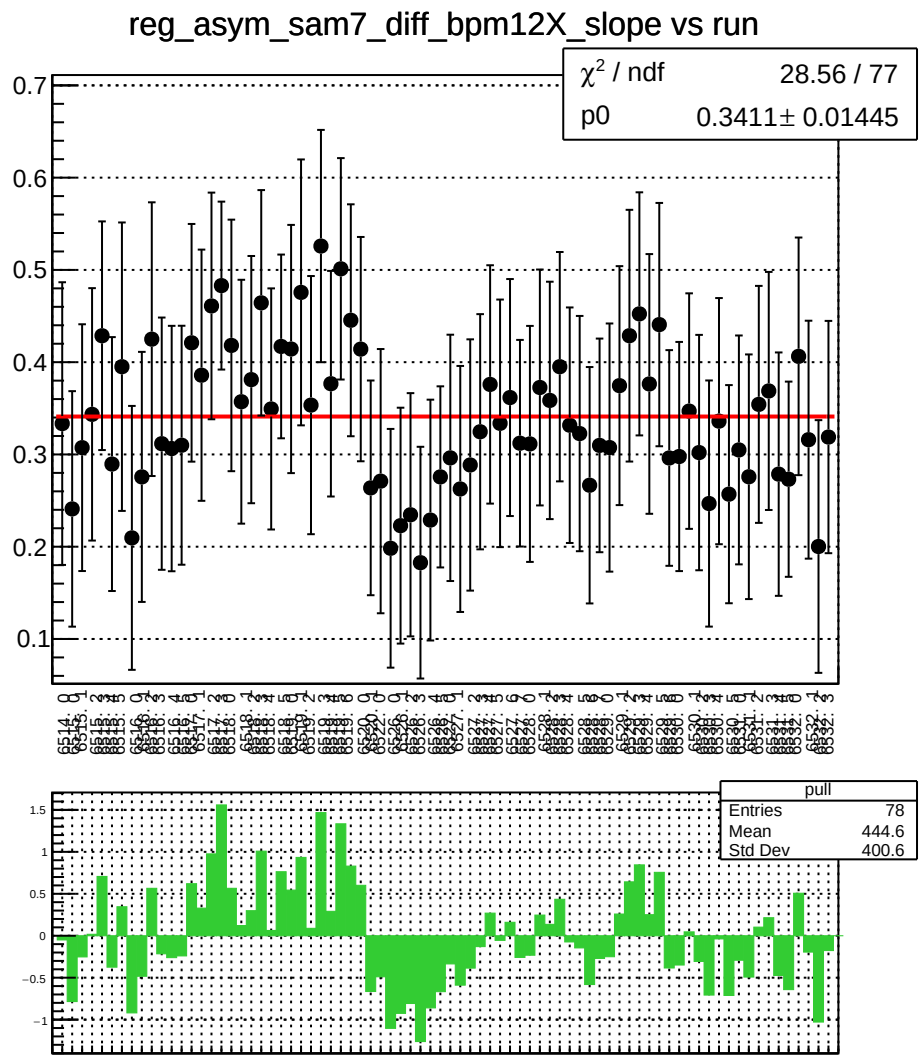

pull1D
Entries 78
Mean 0.901
Std Dev 2.4

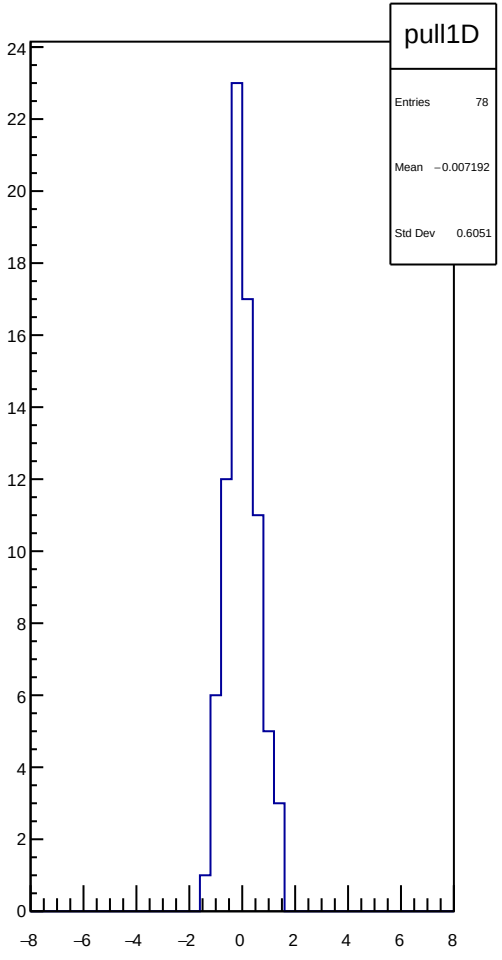

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 392.9 / 77
p0 −46.42 ± 0.3628
pull
Entries 78
Mean 159.9
Std Dev 121.1

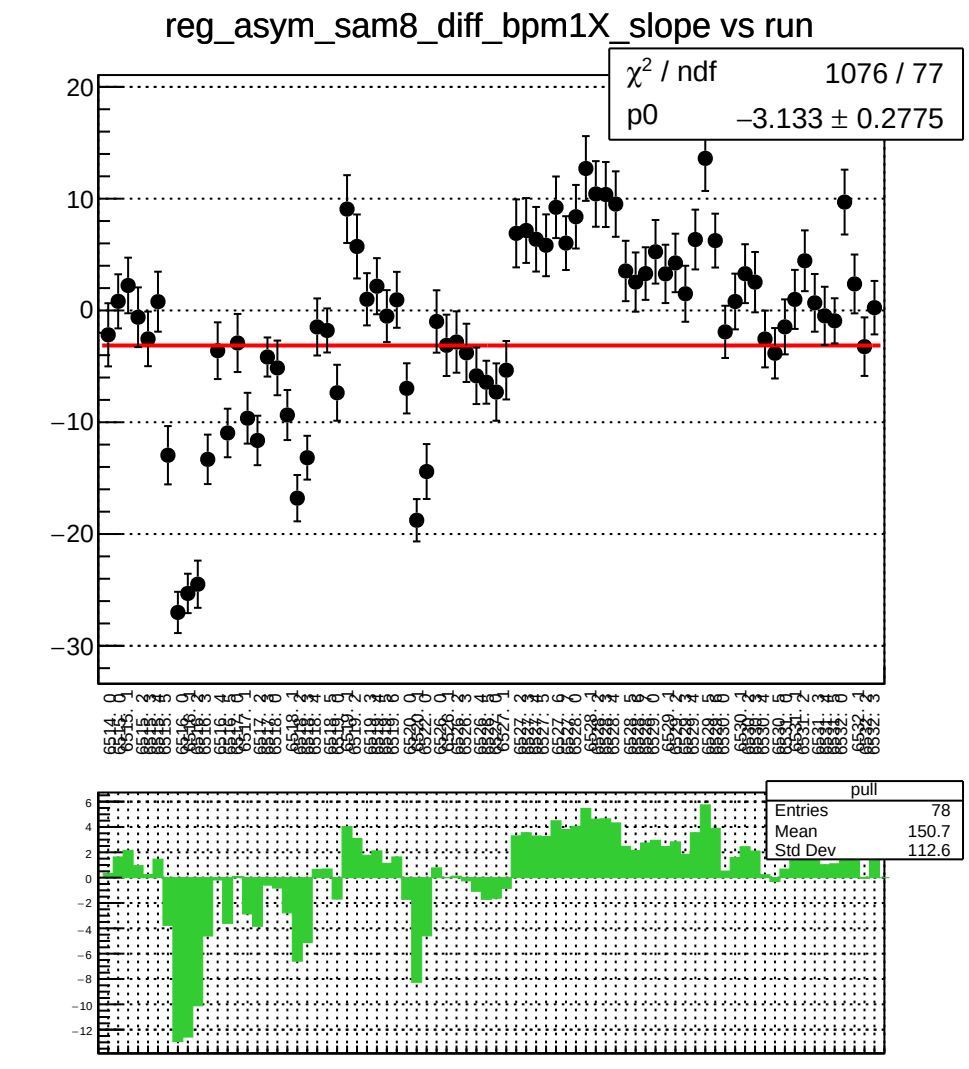

pull1D
Entries 78
Mean −0.2555
Std Dev 2.23

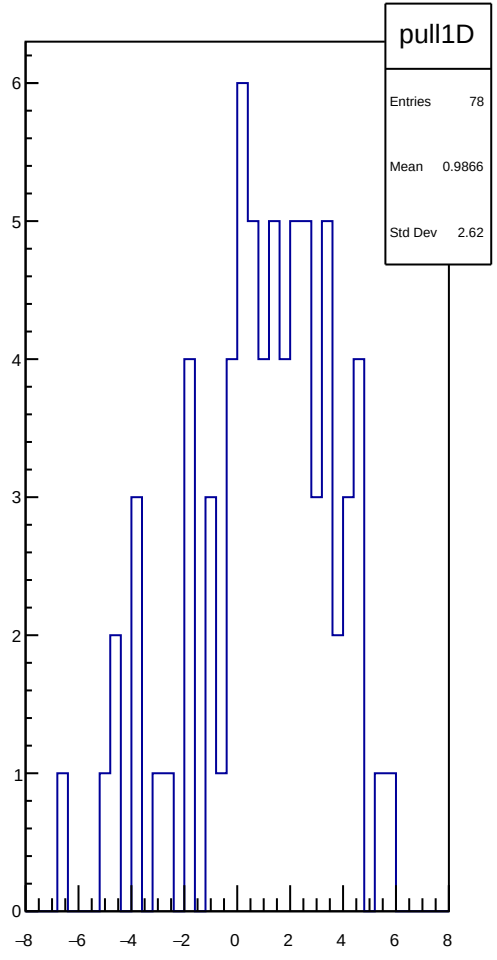

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 404.3 / 77
p0 −24.7 ± 0.3722
pull
Entries 78
Mean 105.3
Std Dev 62.42

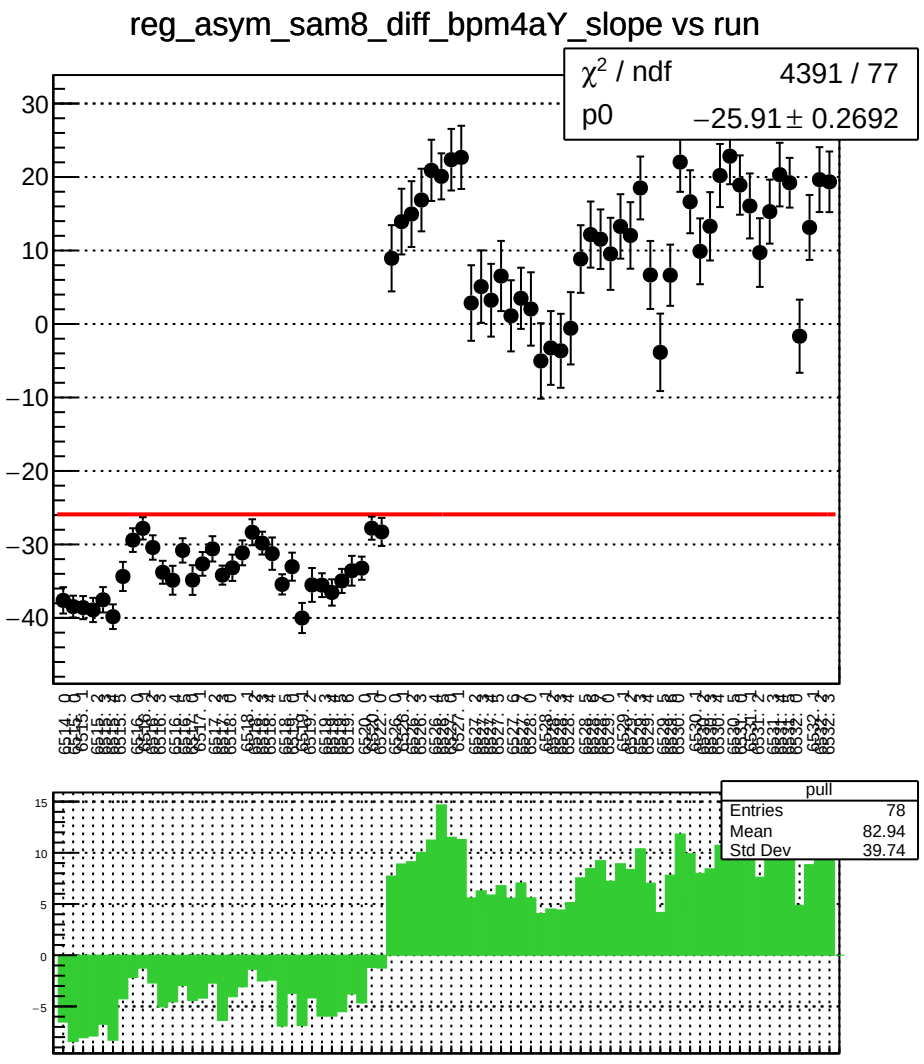

pull1D
Entries 78
Mean −0.5767
Std Dev 2.202

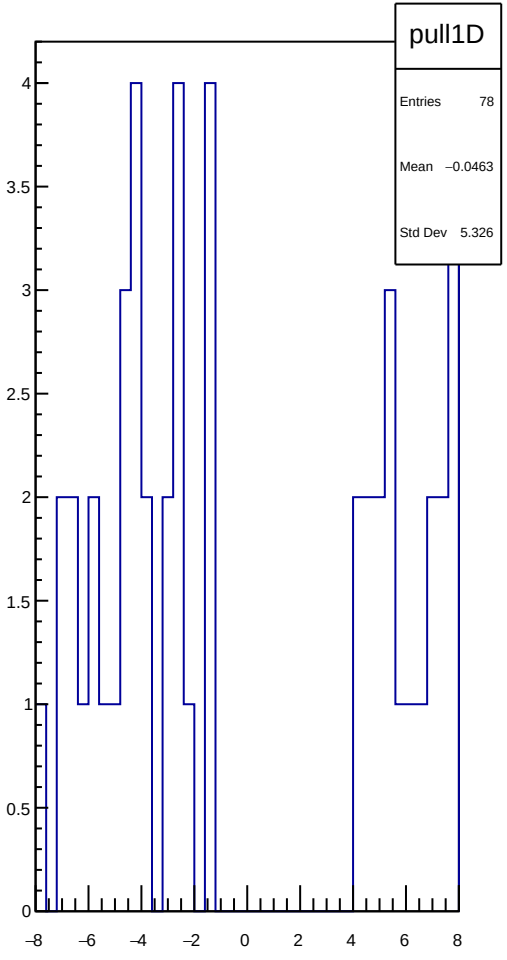

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 28.56 / 77
p0 0.3411± 0.01445
pull
Entries 78
Mean 444.6
Std Dev 400.6

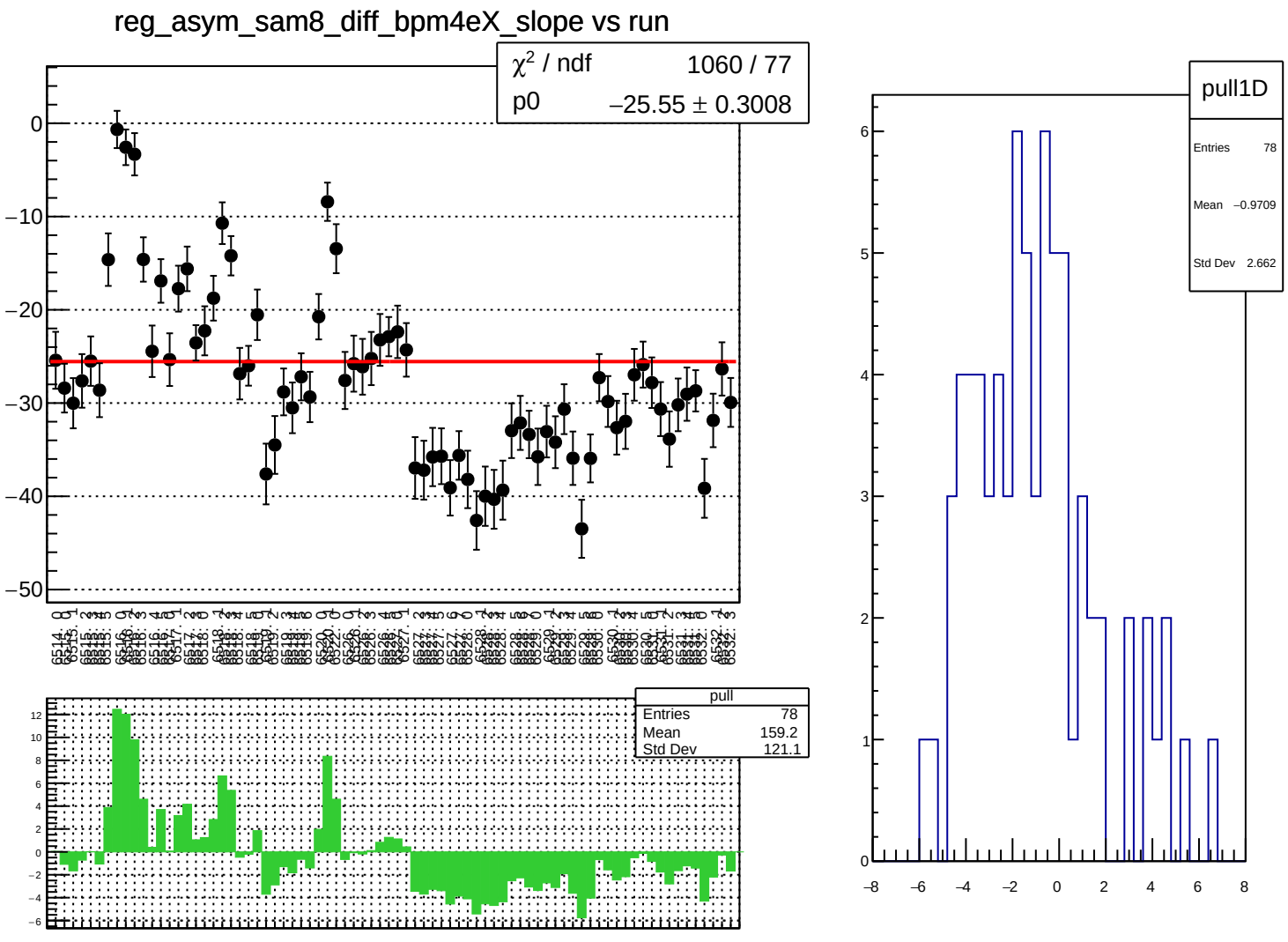

pull1D
Entries 78
Mean −0.007192
Std Dev 0.6051

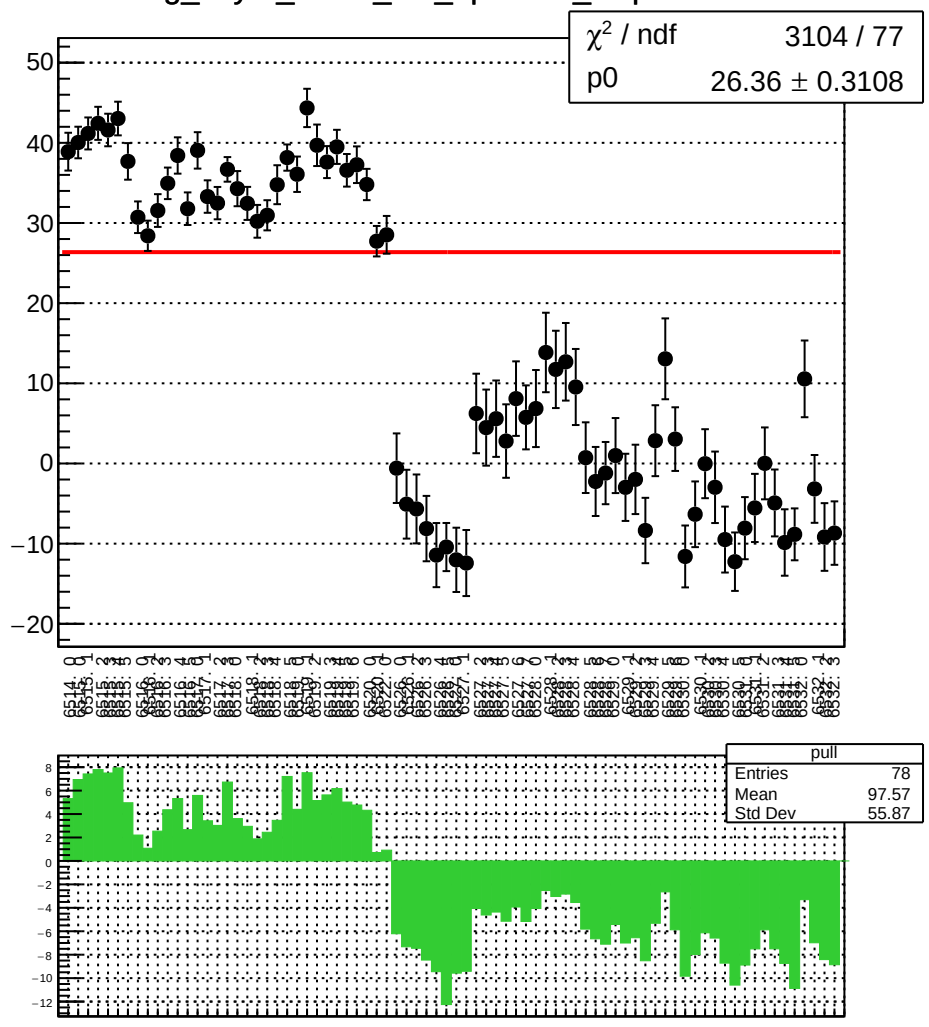

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 1076 / 77
p0 −3.133 ± 0.2775
pull
Entries 78
Mean 150.7
Std Dev 112.6

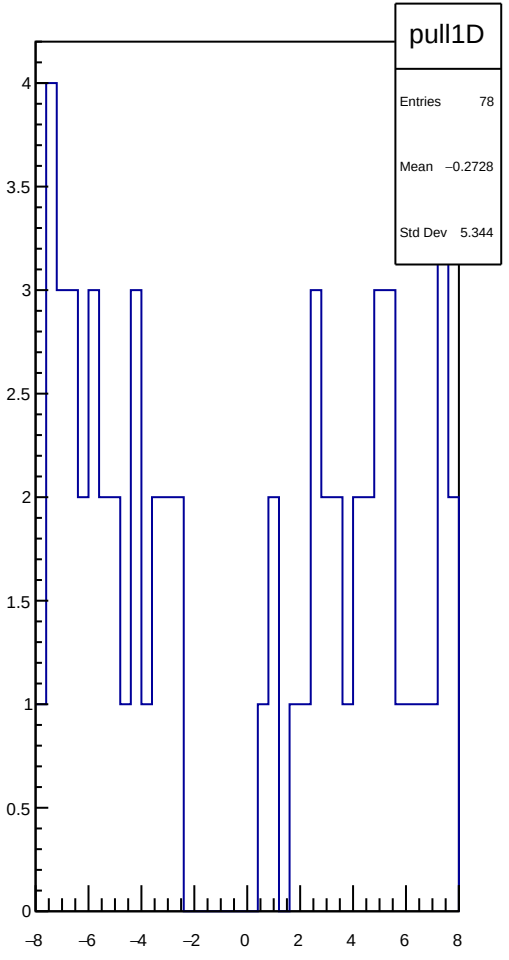

pull1D
Entries 78
Mean 0.9866
Std Dev 2.62

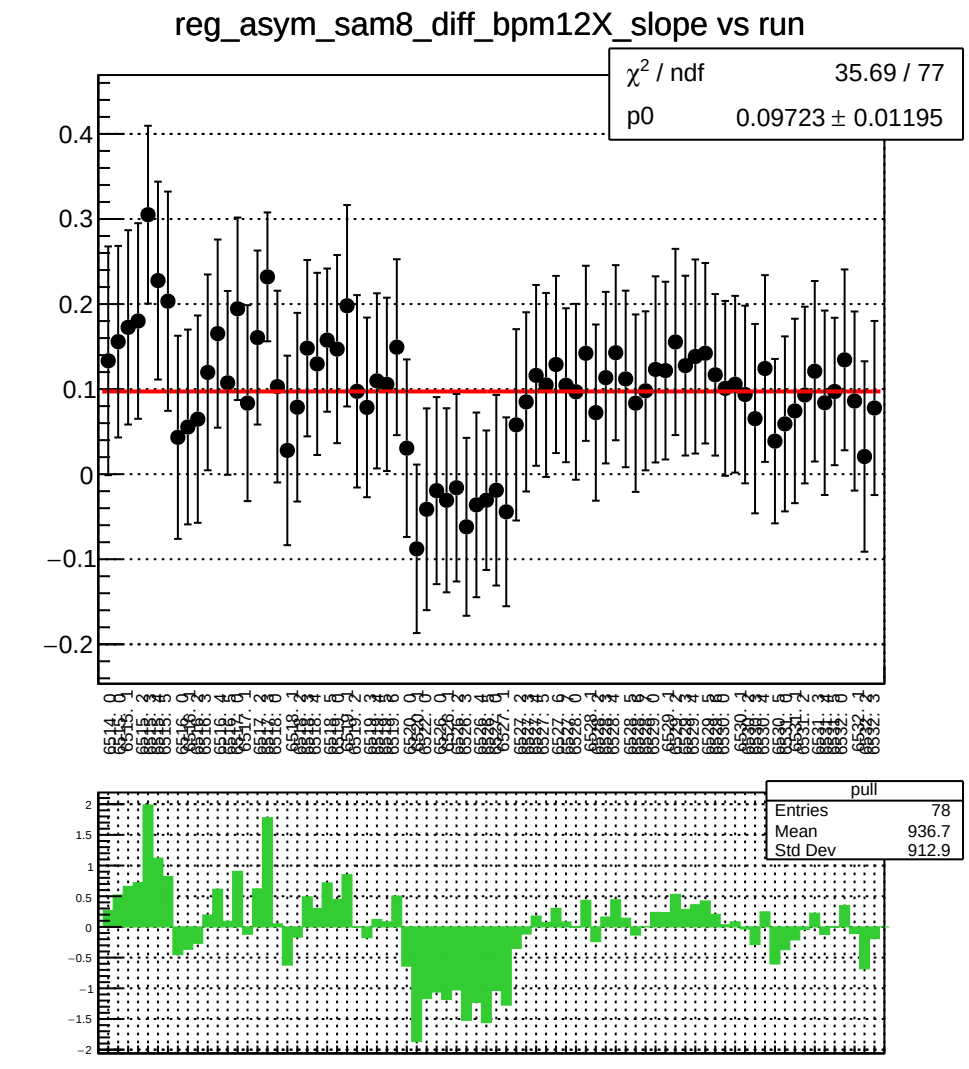

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 4391 / 77
p0 −25.91 ± 0.2692
pull
Entries 78
Mean 82.94
Std Dev 39.74

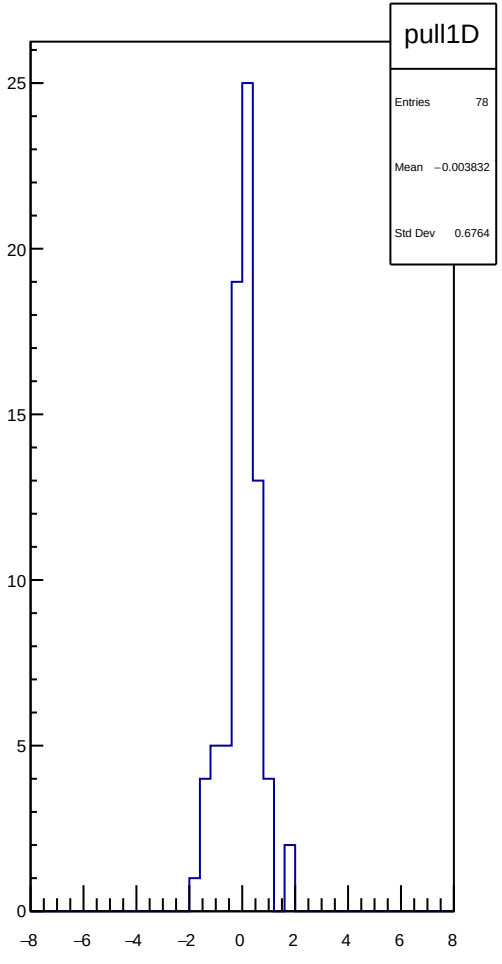

pull1D
Entries 78
Mean −0.0463
Std Dev 5.326

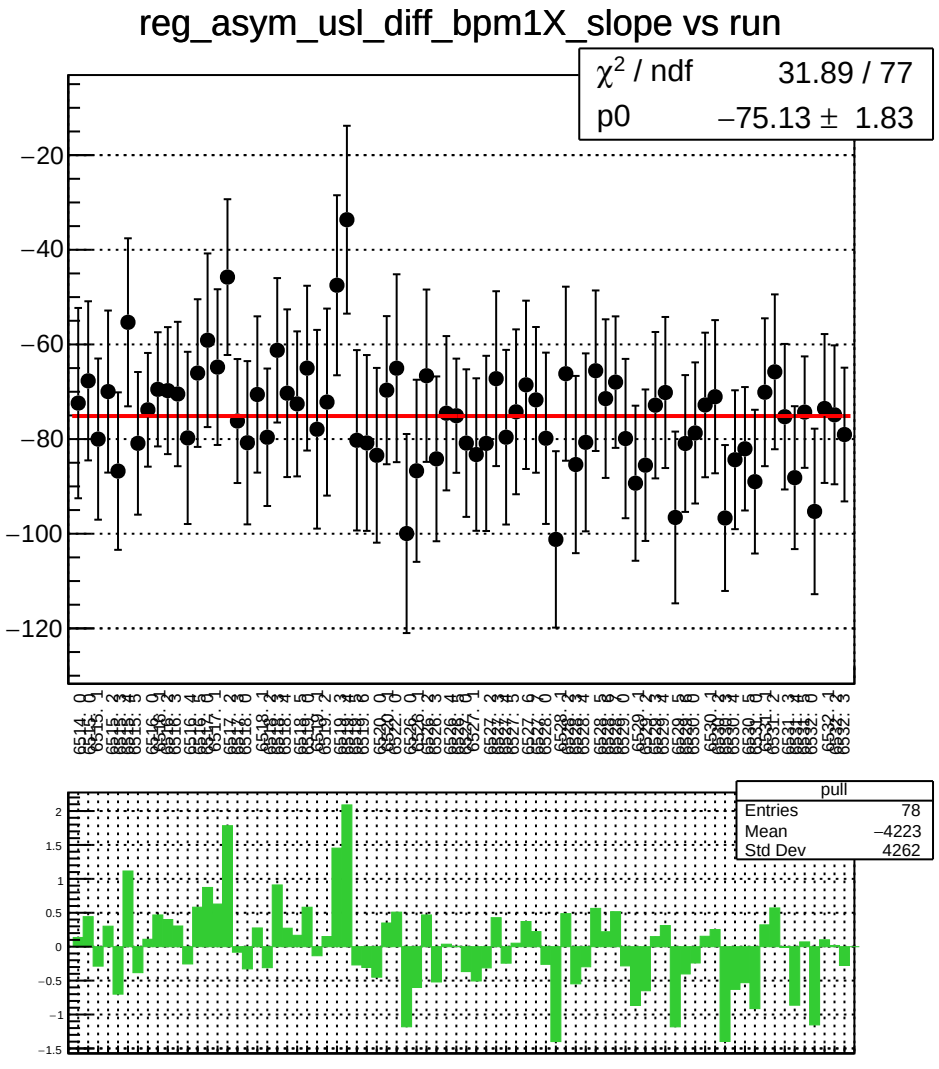

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 1060 / 77
p0 −25.55 ± 0.3008
pull
Entries 78
Mean 159.2
Std Dev 121.1
pull1D
Entries 78
Mean −0.9709
Std Dev 2.662

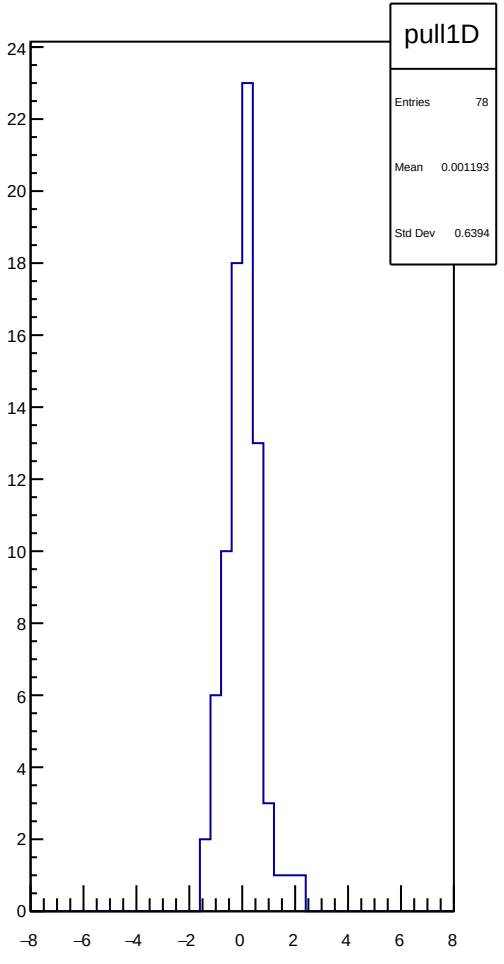

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 3104 / 77
p0 26.36 ± 0.3108
pull
Entries 78
Mean 97.57
Std Dev 55.87

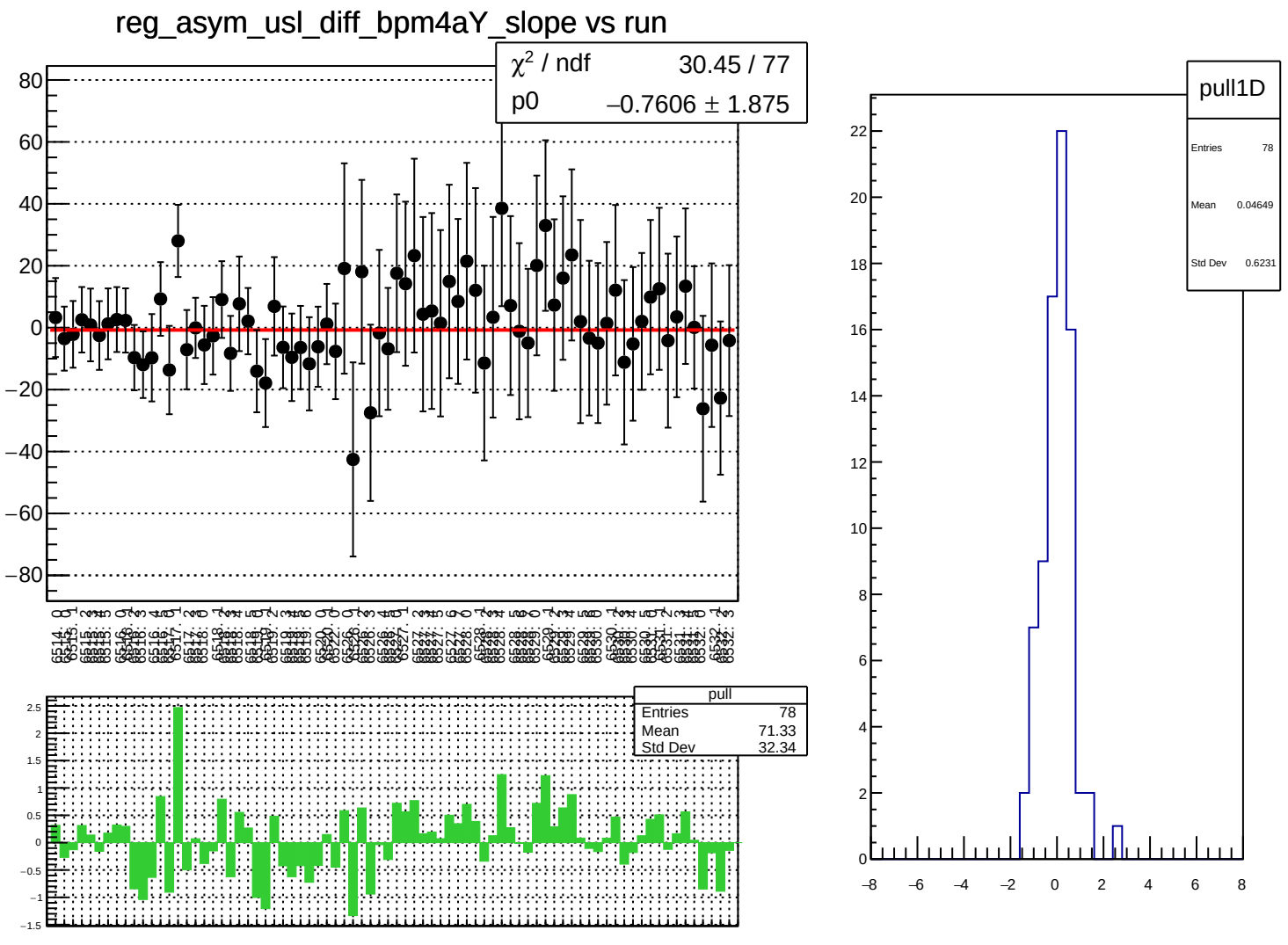

pull1D
Entries 78
Mean −0.2728
Std Dev 5.344

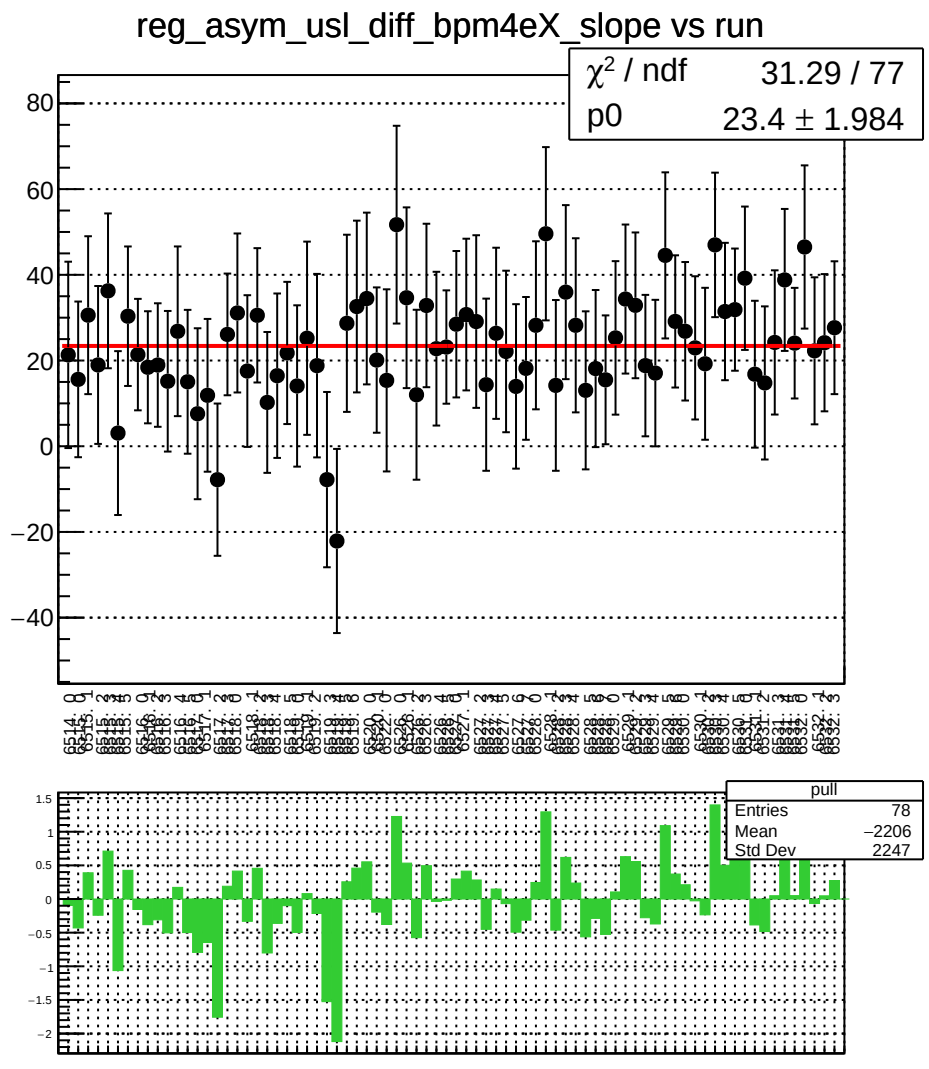

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 35.69 / 77
p0 0.09723 ± 0.01195
pull
Entries 78
Mean 936.7
Std Dev 912.9

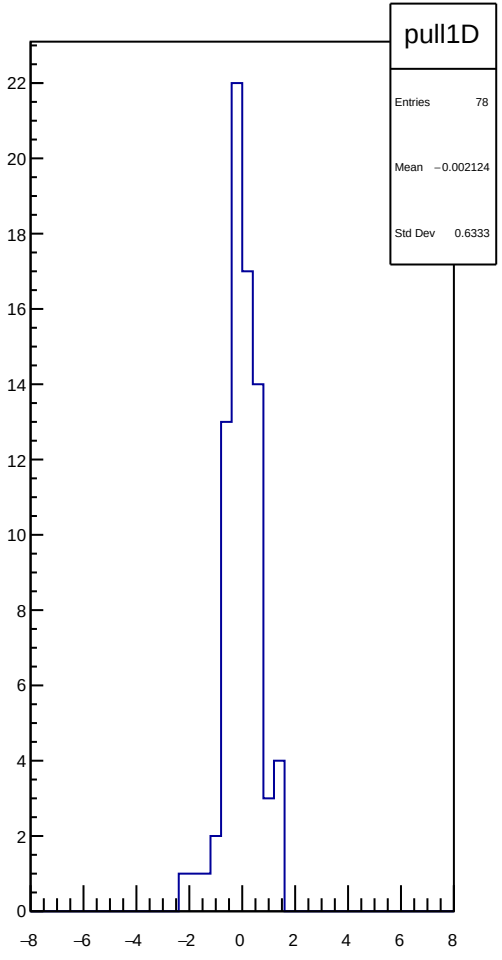

pull1D
Entries 78
Mean −0.003832
Std Dev 0.6764

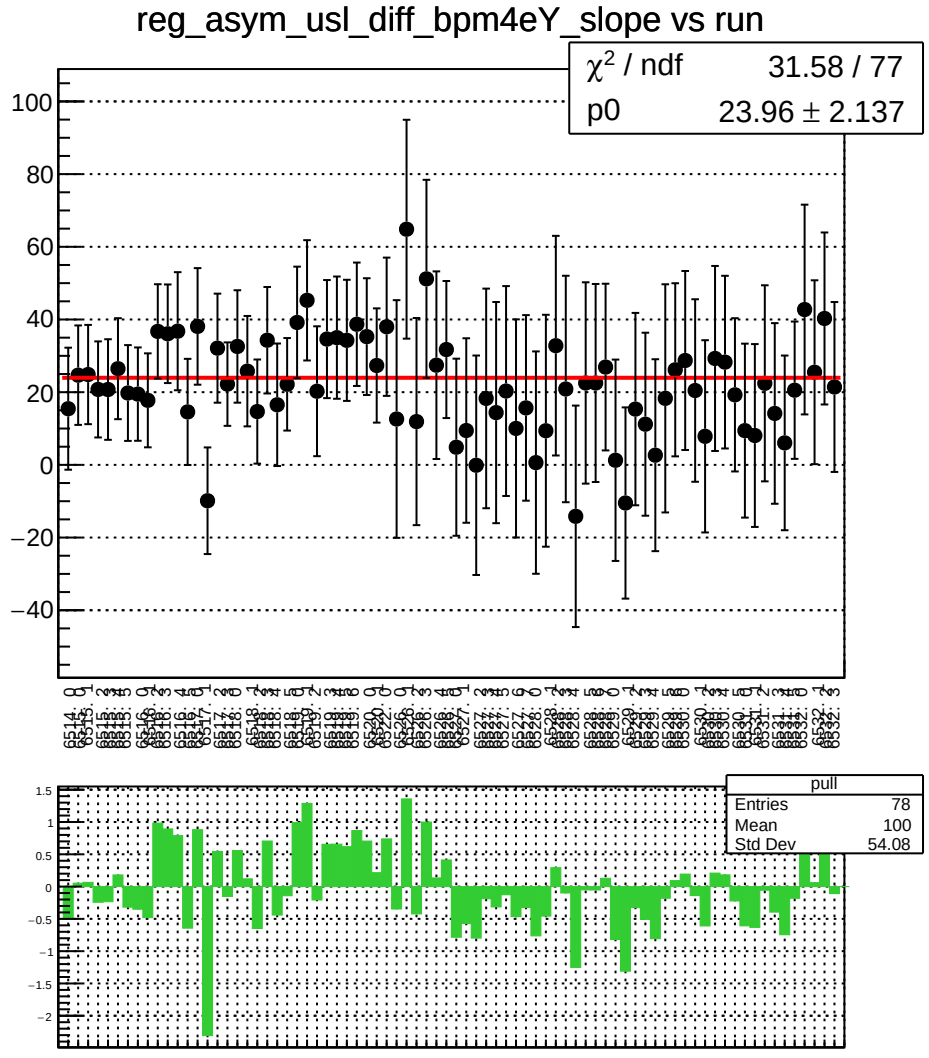

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 31.89 / 77
p0 −75.13 ± 1.83
pull
Entries 78
Mean −4223
Std Dev 4262

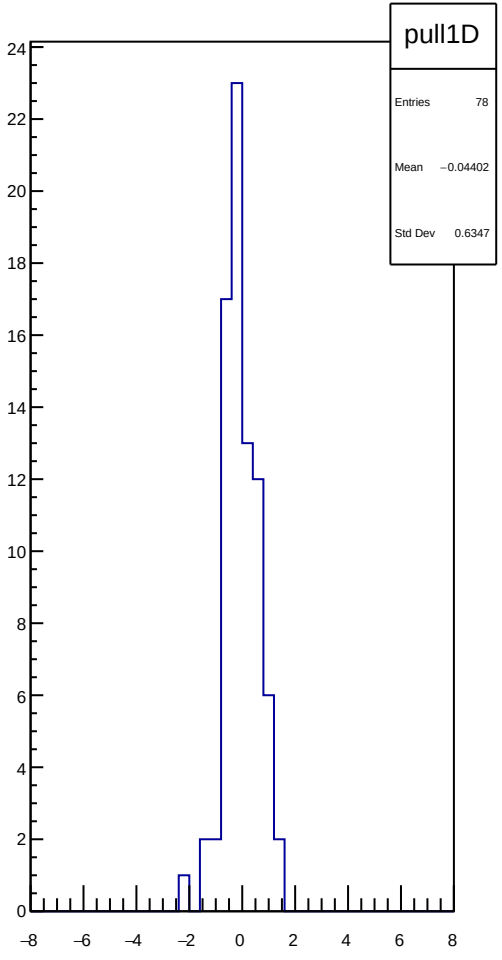

pull1D
Entries 78
Mean 0.001193
Std Dev 0.6394

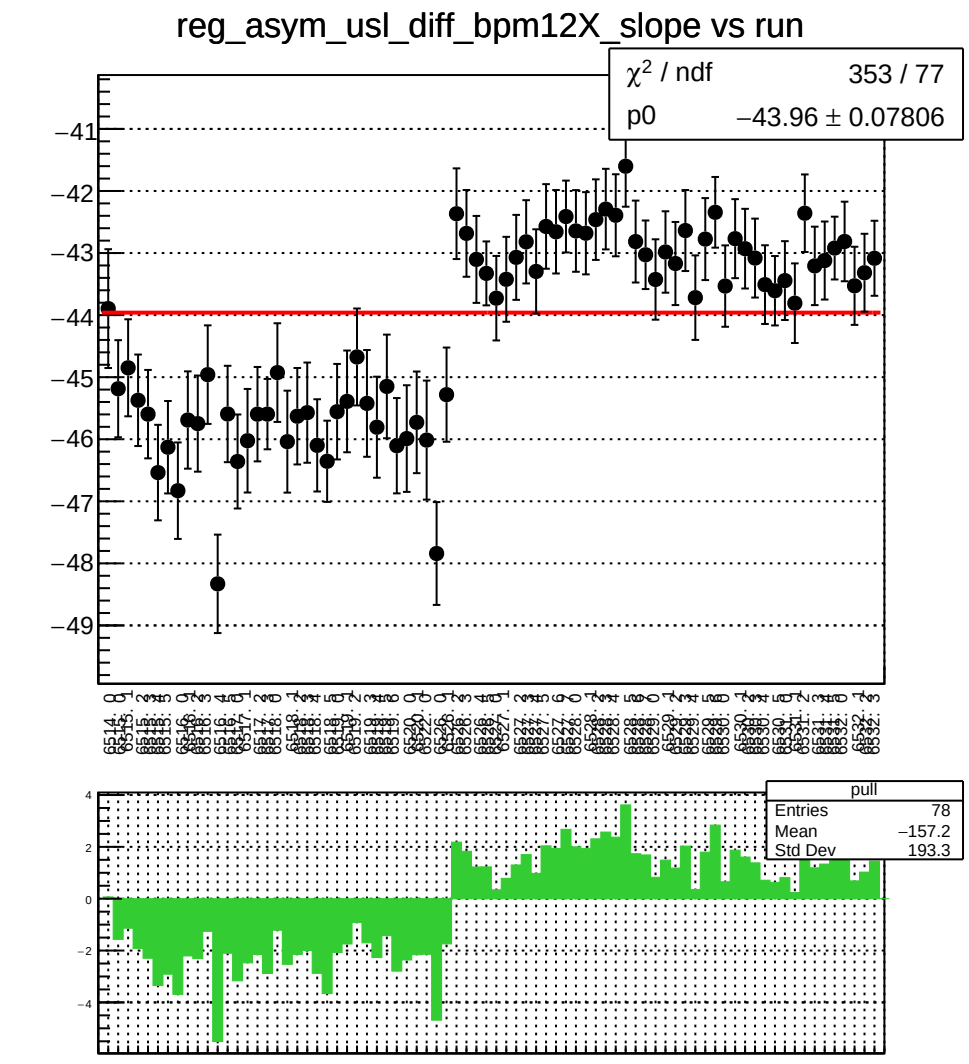

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 30.45 / 77
p0 −0.7606 ± 1.875
pull
Entries 78
Mean 71.33
Std Dev 32.34
pull1D
Entries 78
Mean 0.04649
Std Dev 0.6231

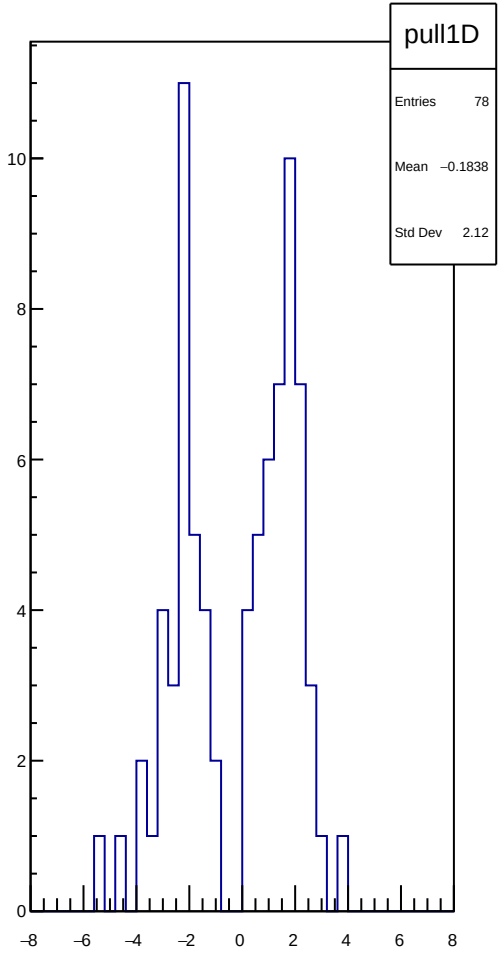

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 31.29 / 77
p0 23.4 ± 1.984
pull
Entries 78
Mean −2206
Std Dev 2247

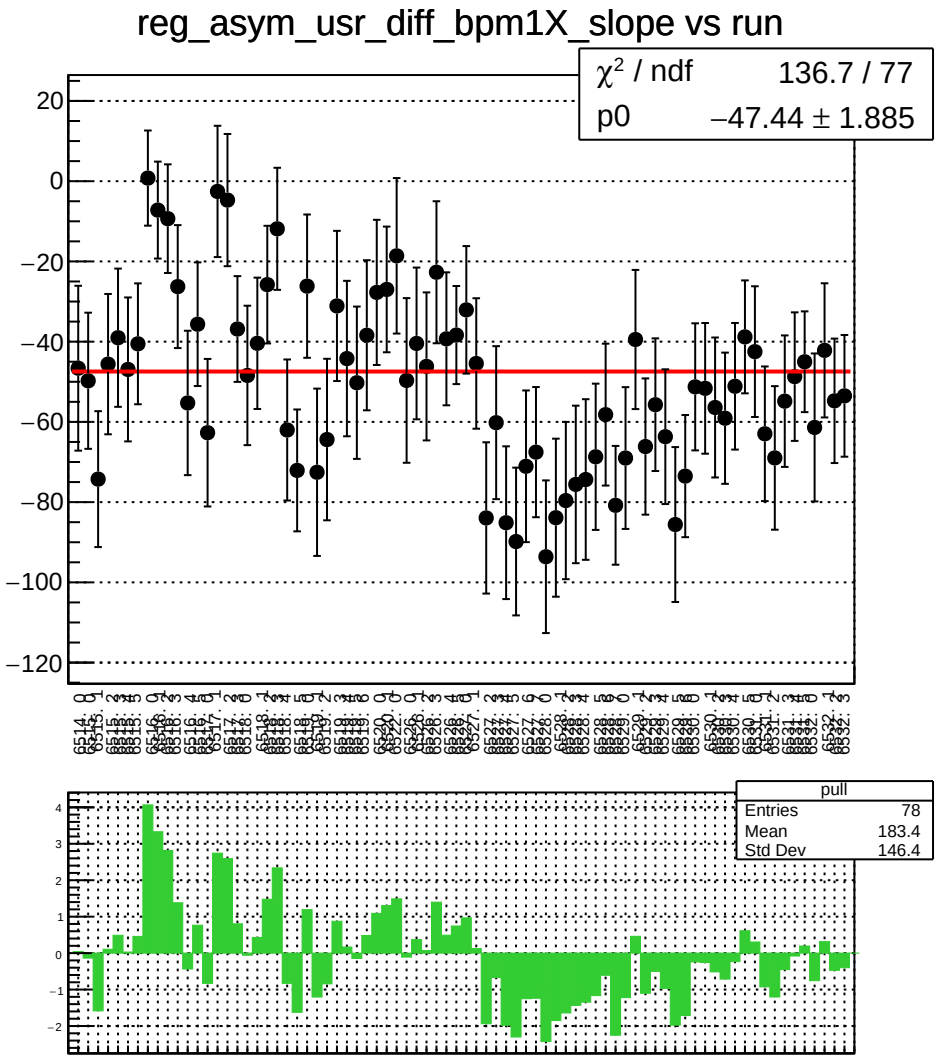

pull1D
Entries 78
Mean −0.002124
Std Dev 0.6333

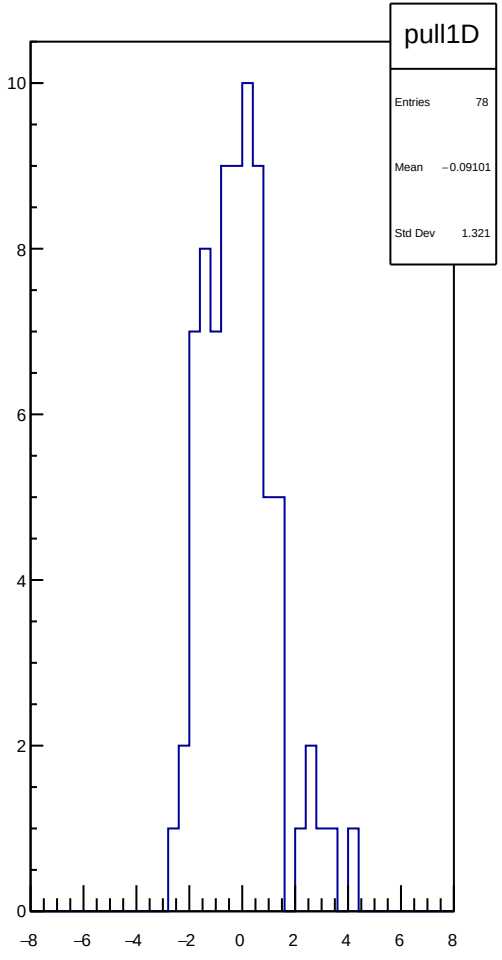

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 31.58 / 77
p0 23.96 ± 2.137
pull
Entries 78
Mean 100
Std Dev 54.08

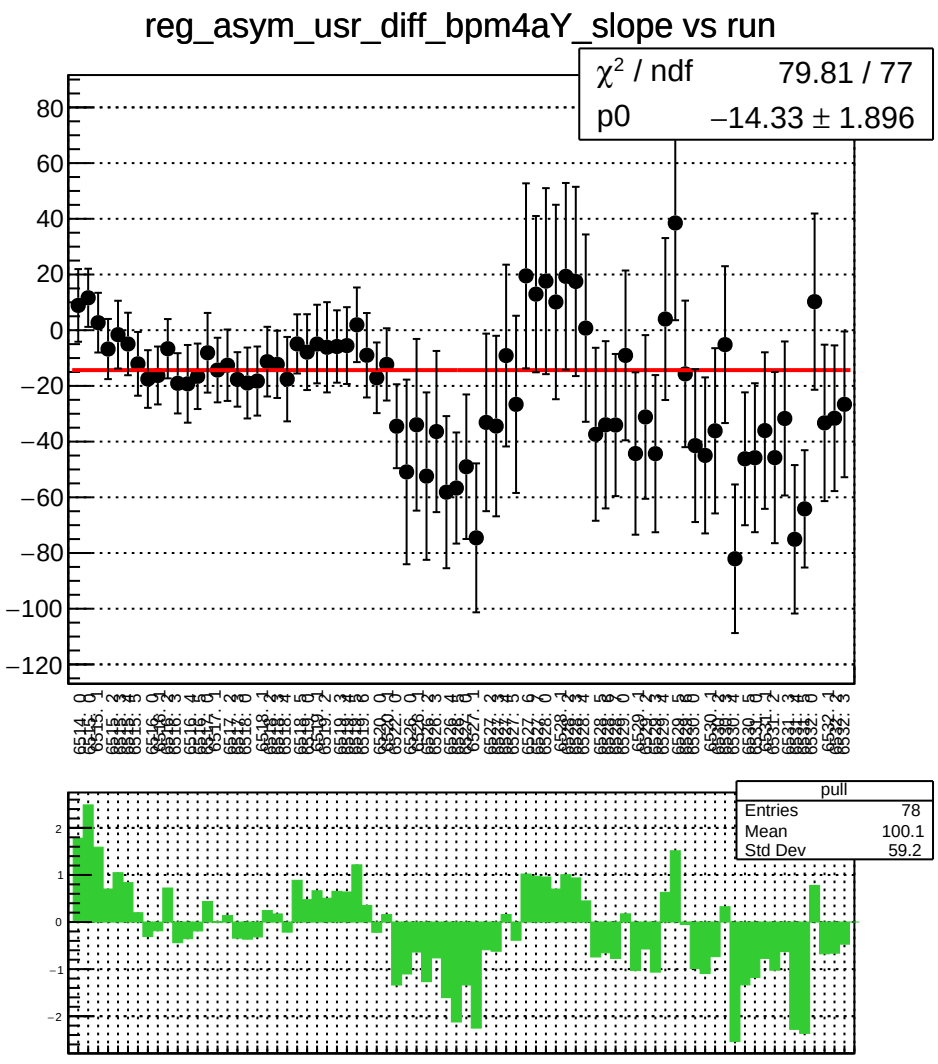

pull1D
Entries 78
Mean −0.04402
Std Dev 0.6347

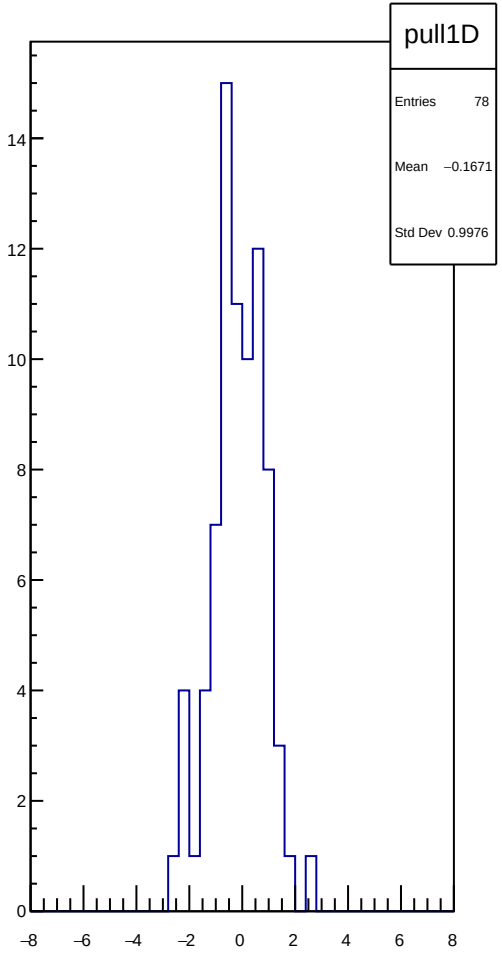

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 353 / 77
p0 −43.96 ± 0.07806
pull
Entries 78
Mean −157.2
Std Dev 193.3

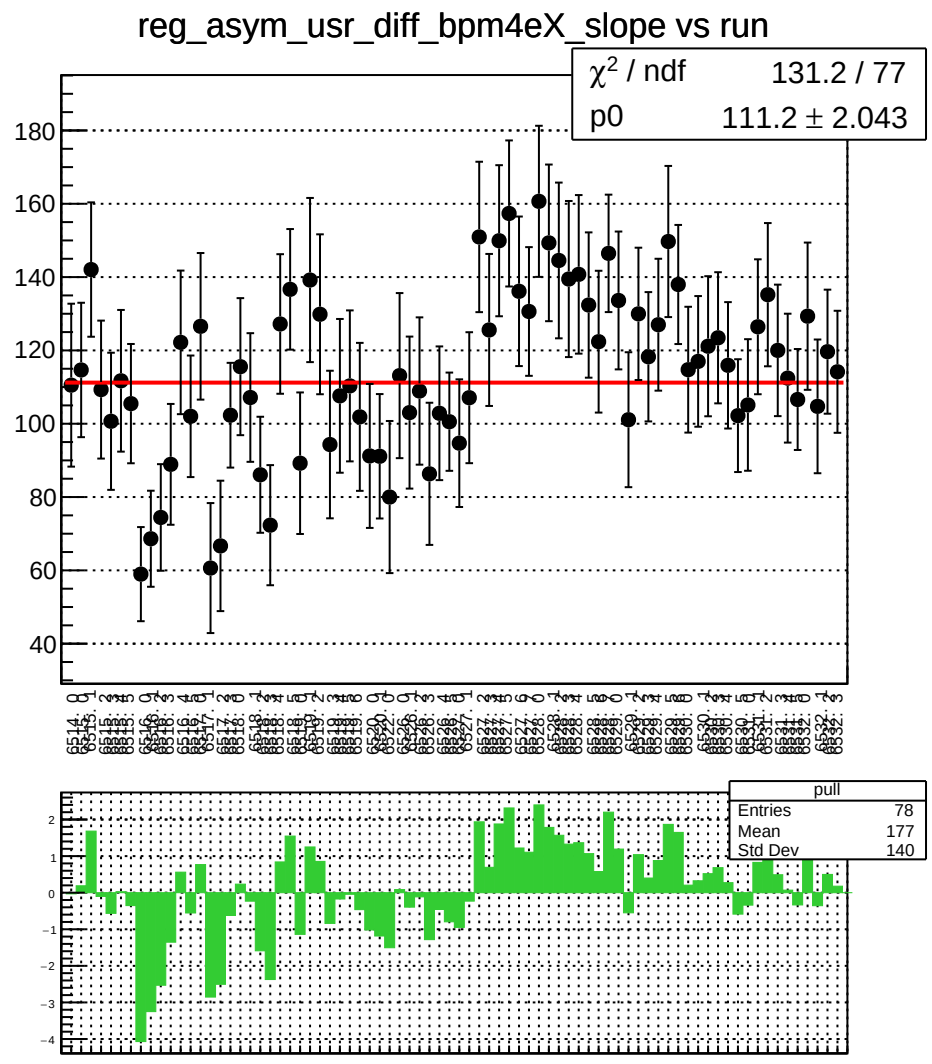

pull1D
Entries 78
Mean −0.1838
Std Dev 2.12

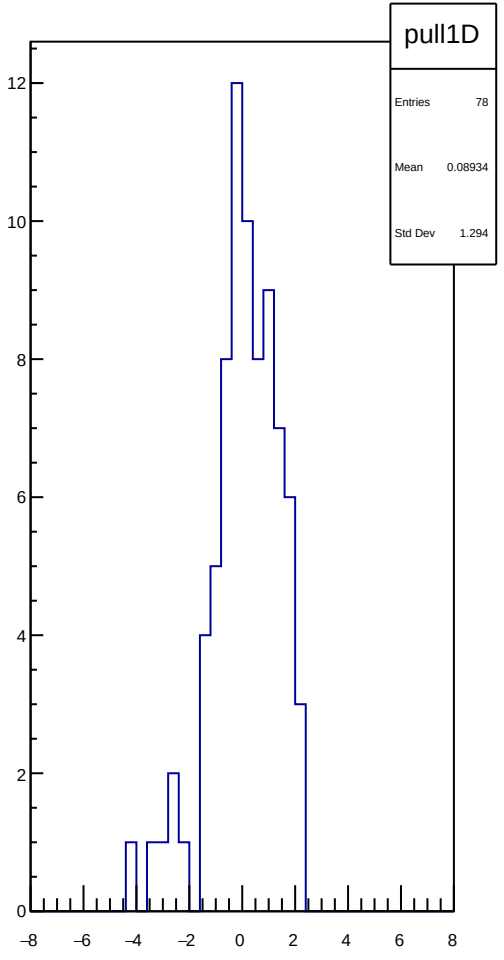

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 136.7 / 77
p0 −47.44 ± 1.885
pull
Entries 78
Mean 183.4
Std Dev 146.4

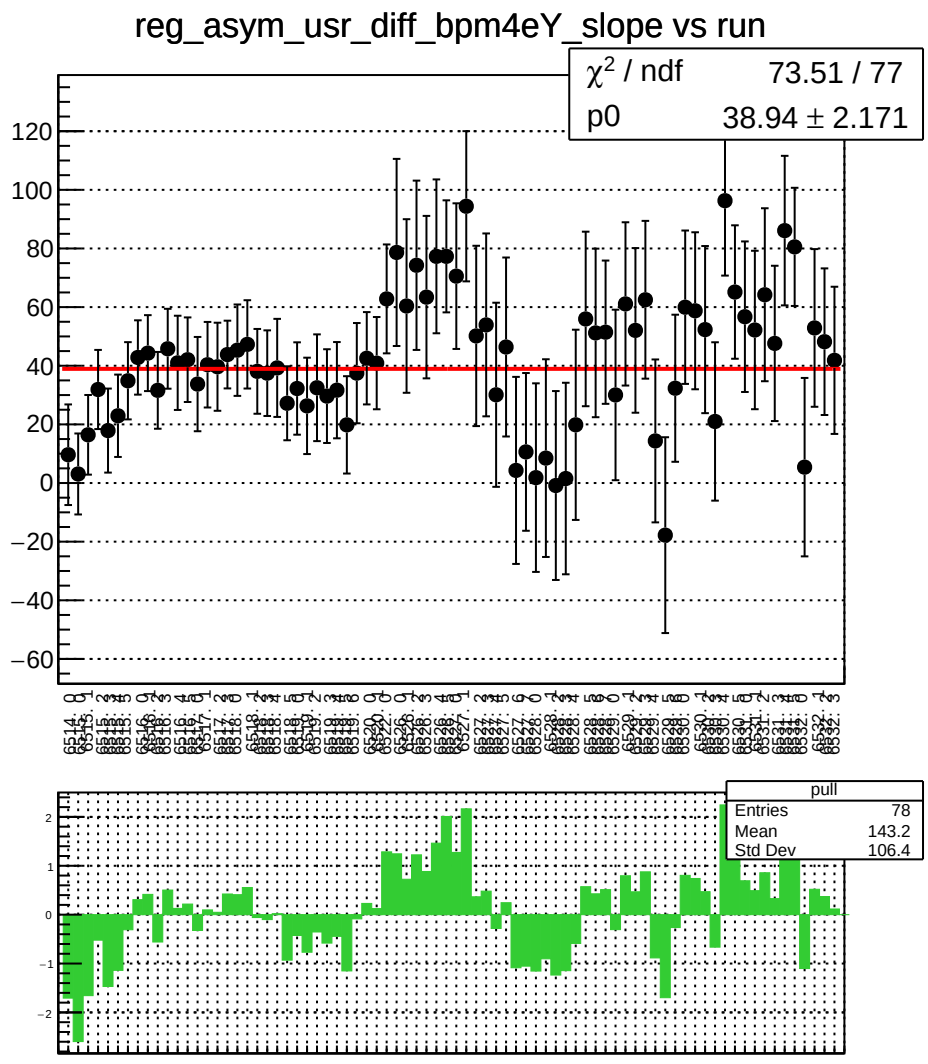

pull1D
Entries 78
Mean −0.09101
Std Dev 1.321

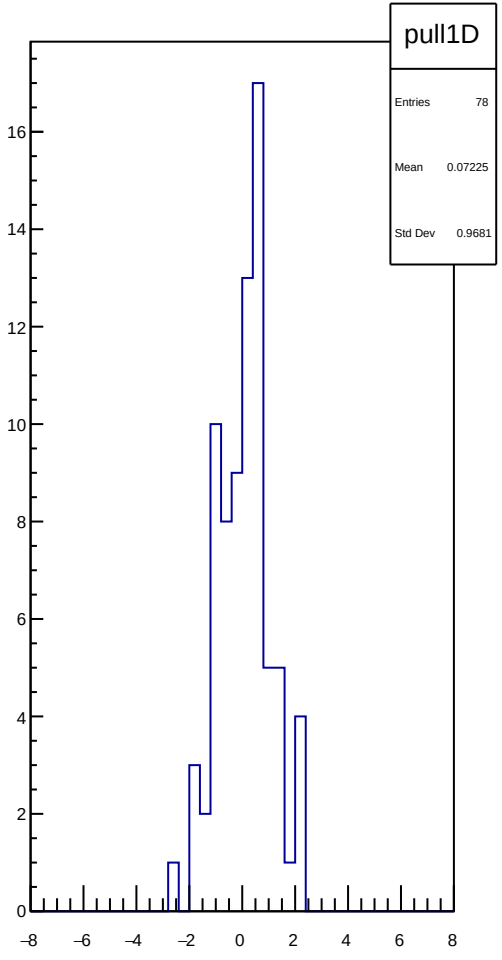

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 79.81 / 77
p0 −14.33 ± 1.896
pull
Entries 78
Mean 100.1
Std Dev 59.2

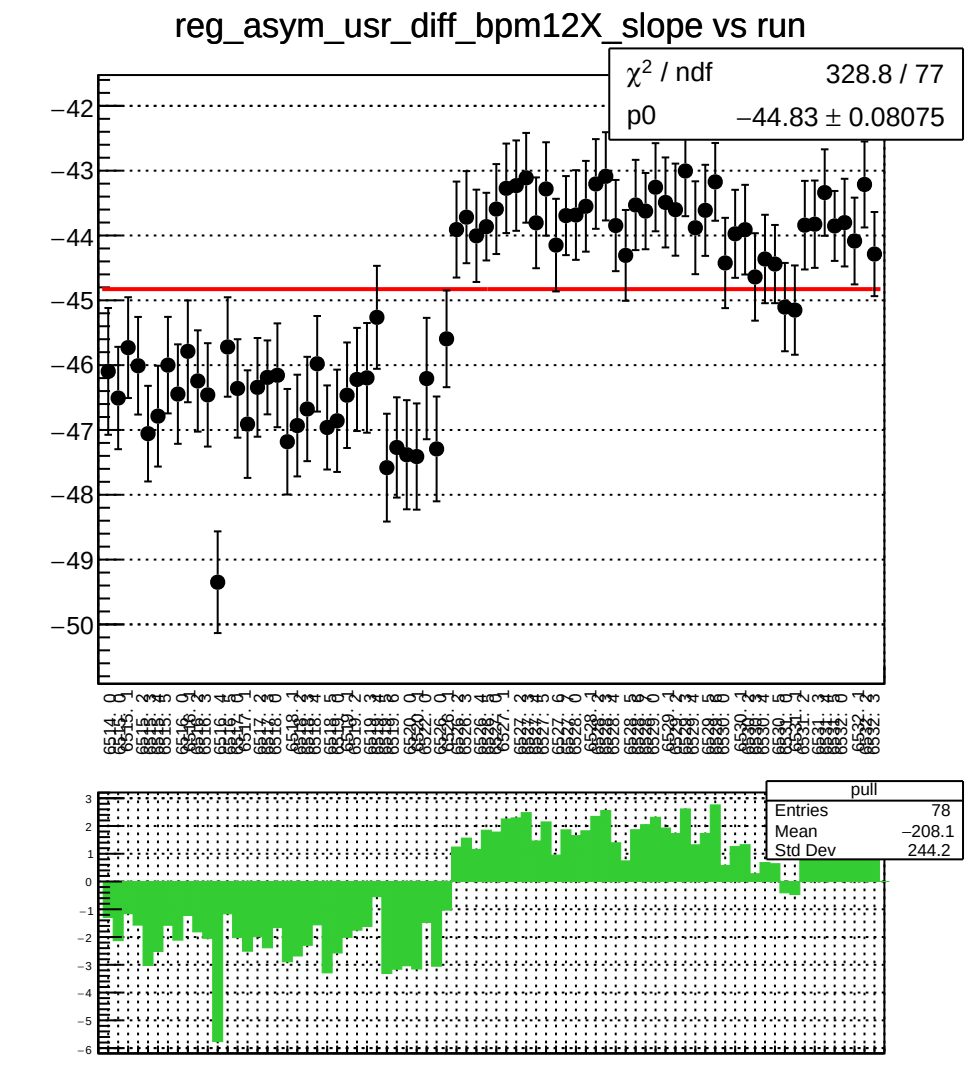

pull1D
Entries 78
Mean −0.1671
Std Dev 0.9976

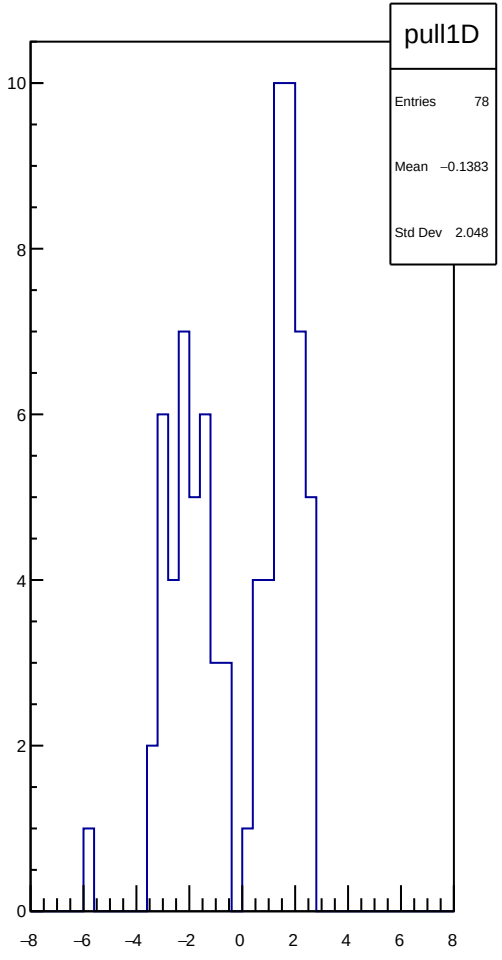

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 131.2 / 77
p0 111.2 ± 2.043
pull
Entries 78
Mean 177
Std Dev 140

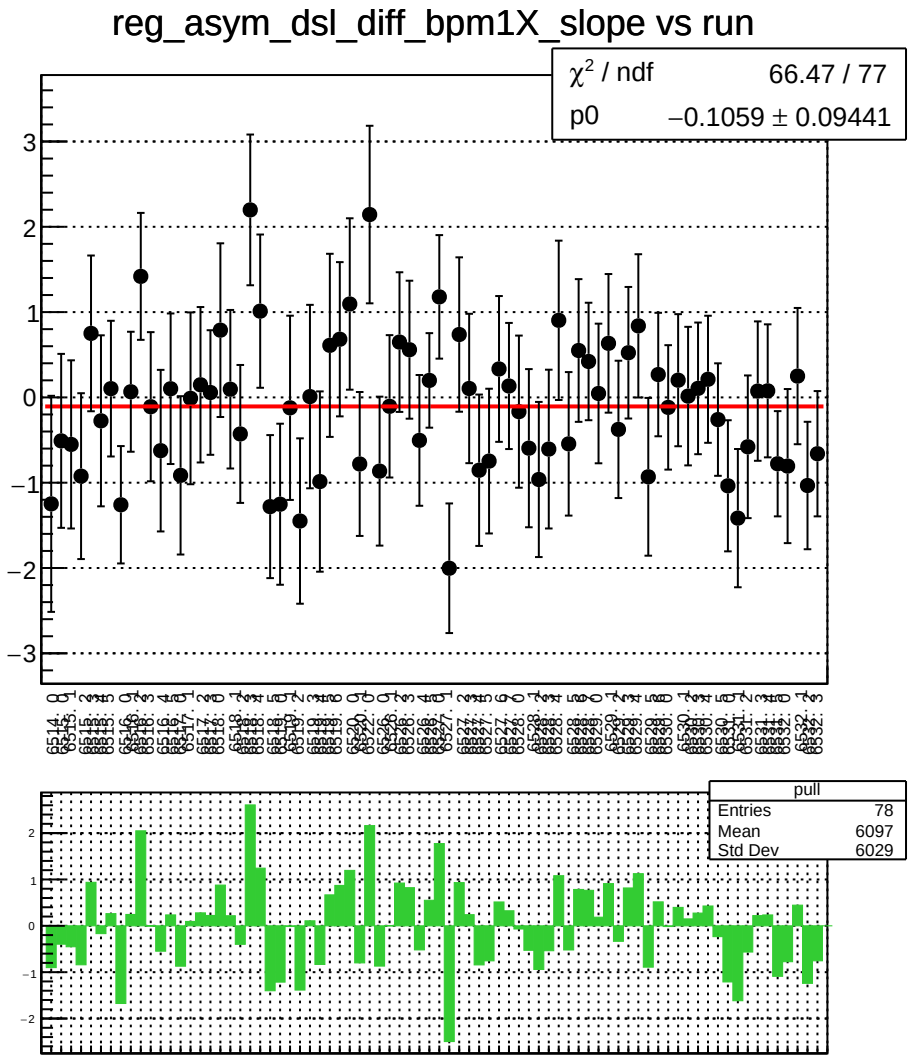

pull1D
Entries 78
Mean 0.08934
Std Dev 1.294

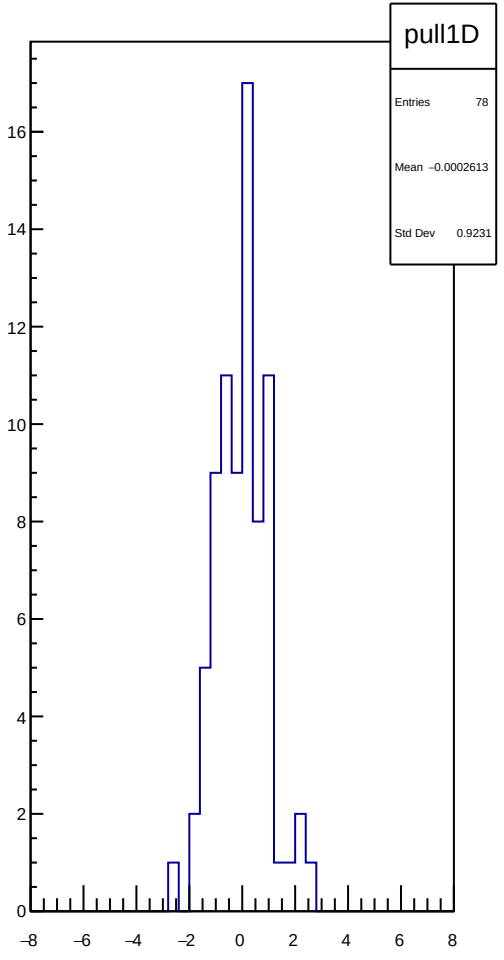

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 73.51 / 77
p0 38.94 ± 2.171
pull
Entries 78
Mean 143.2
Std Dev 106.4

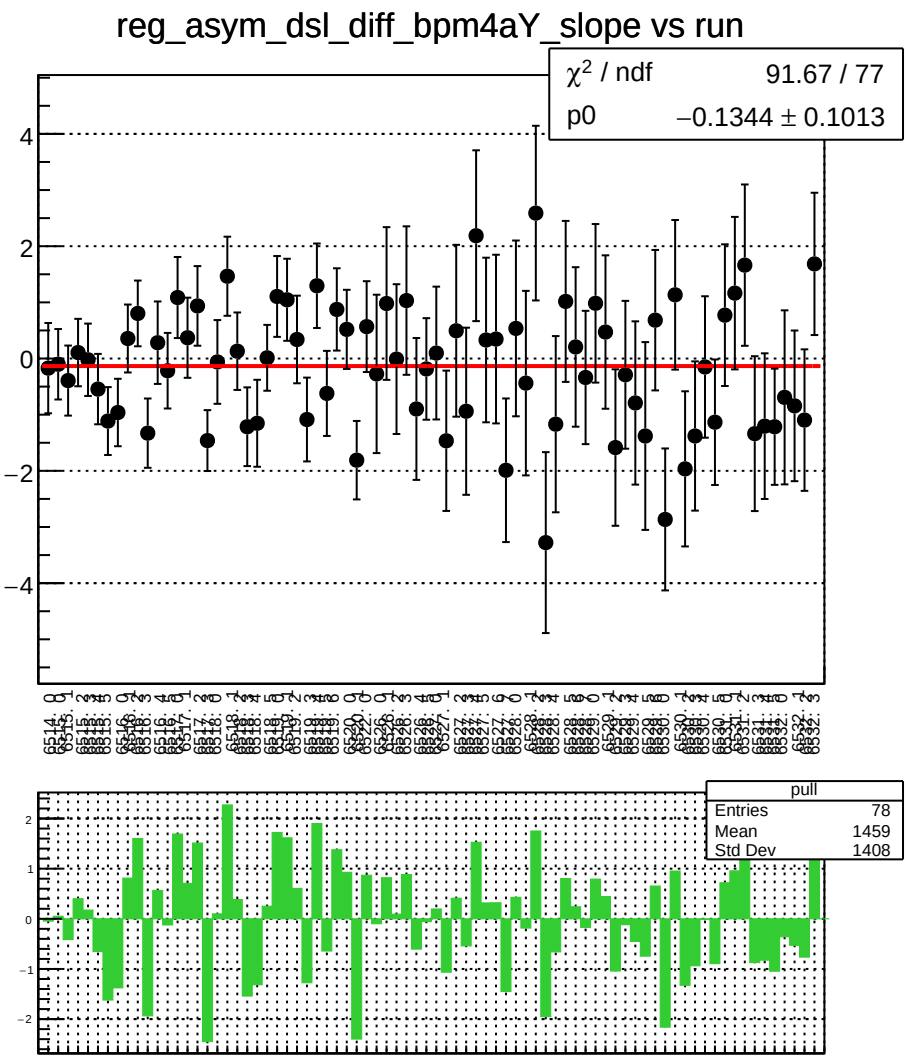

pull1D
Entries 78
Mean 0.07225
Std Dev 0.9681

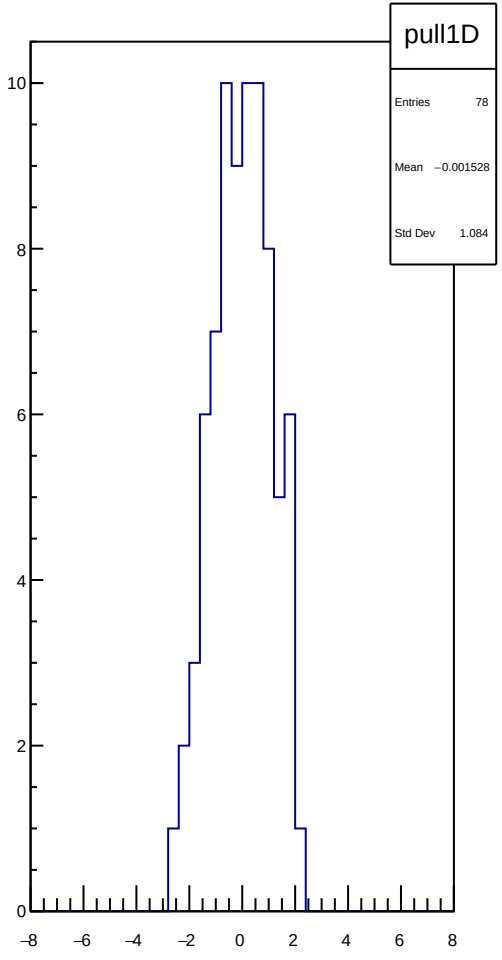

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 328.8 / 77
p0 −44.83 ± 0.08075
pull
Entries 78
Mean −208.1
Std Dev 244.2

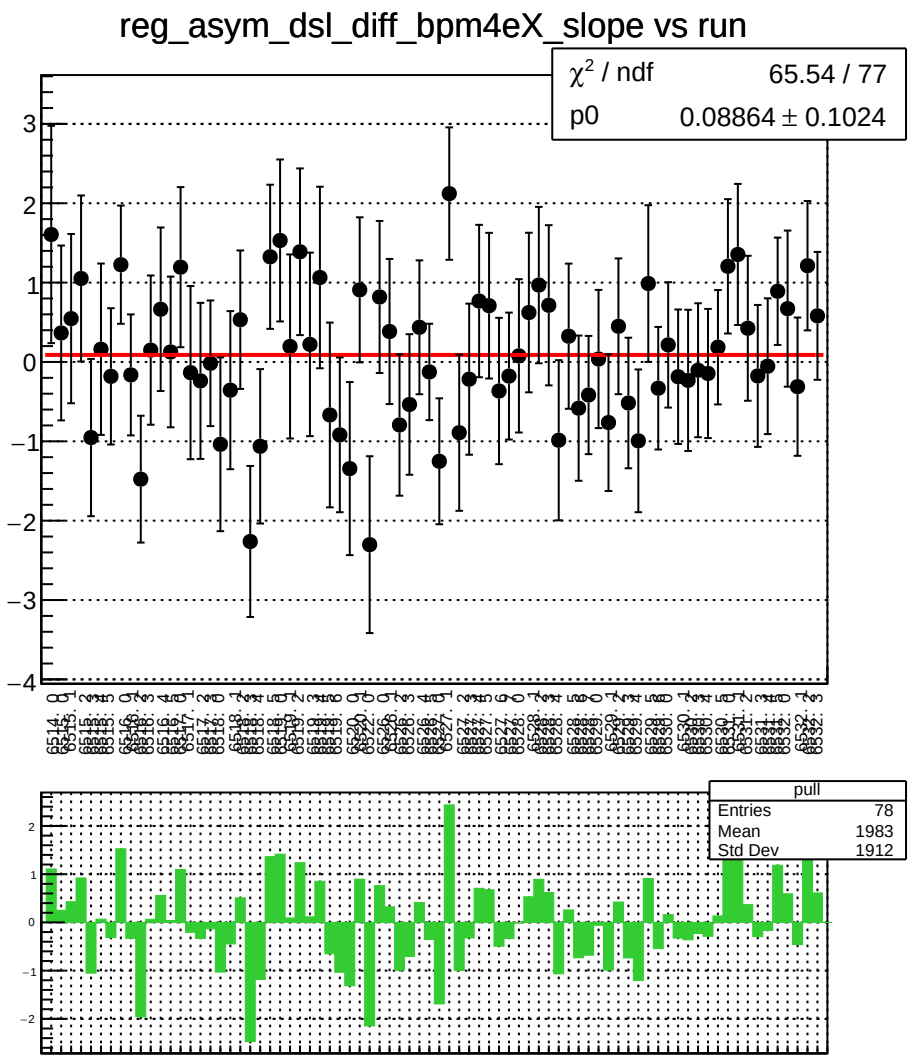

pull1D
Entries 78
Mean −0.1383
Std Dev 2.048

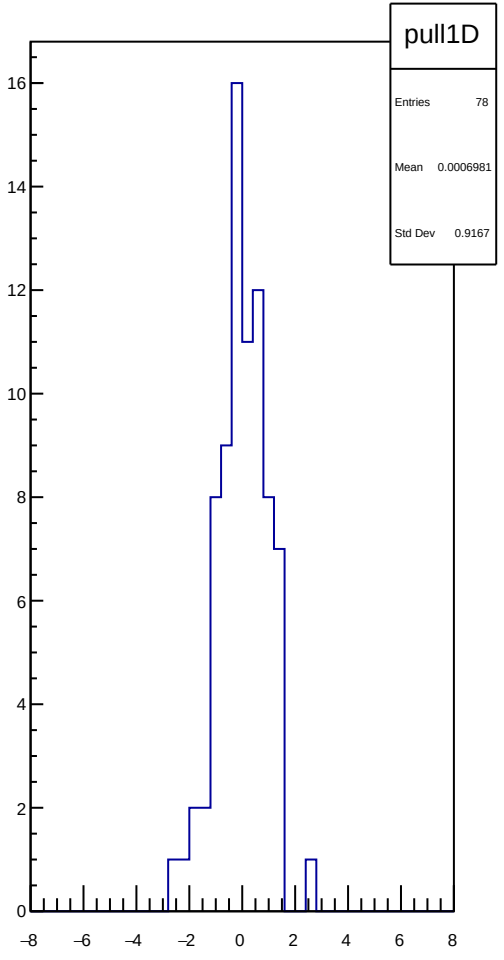

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 66.47 / 77
p0 −0.1059 ± 0.09441
pull
Entries 78
Mean 6097
Std Dev 6029

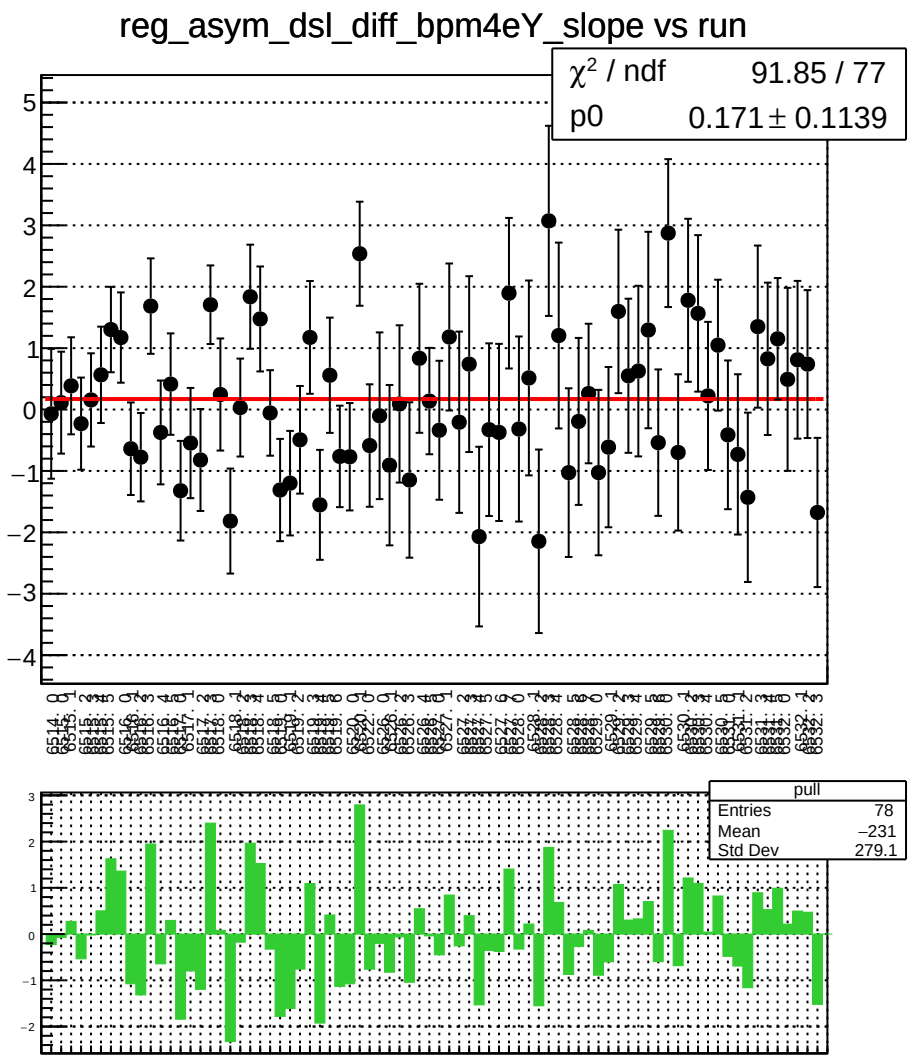

pull1D
Entries 78
Mean −0.0002613
Std Dev 0.9231

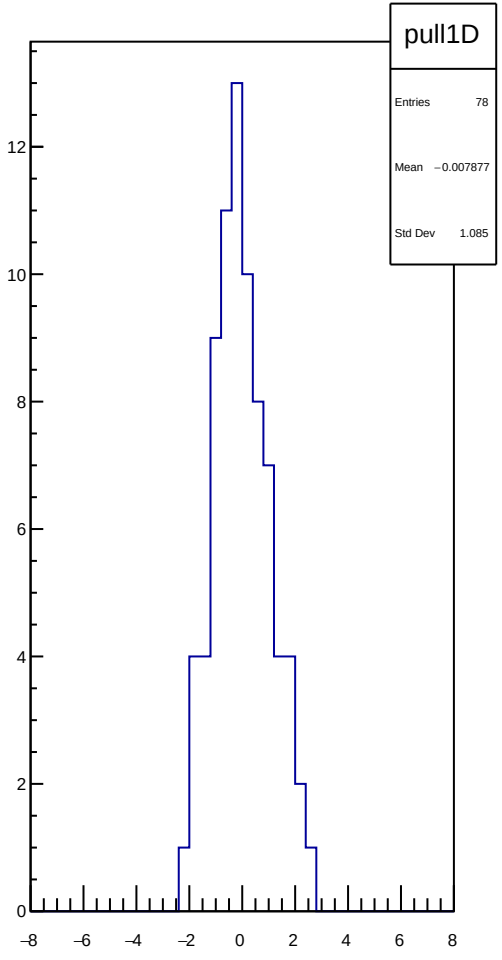

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 91.67 / 77
p0 −0.1344 ± 0.1013
pull
Entries 78
Mean 1459
Std Dev 1408

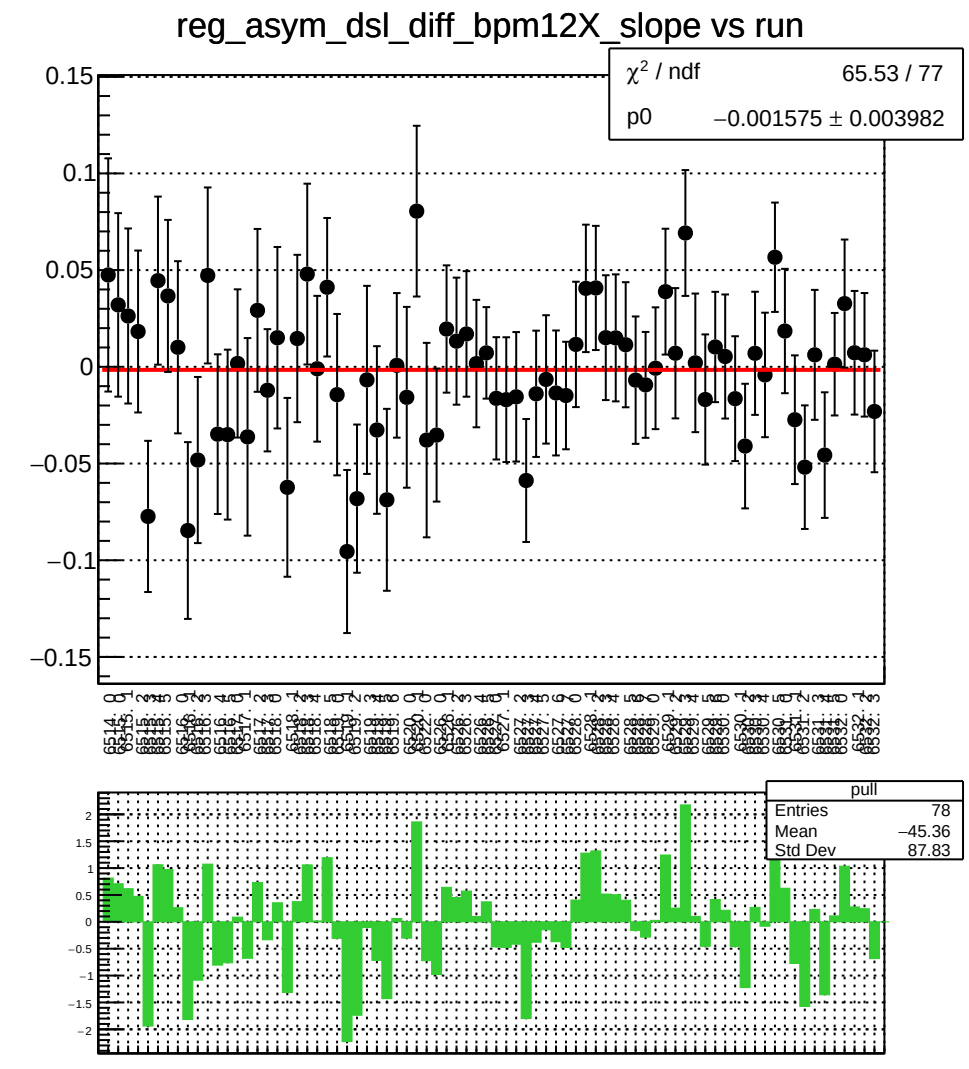

pull1D
Entries 78
Mean −0.001528
Std Dev 1.084

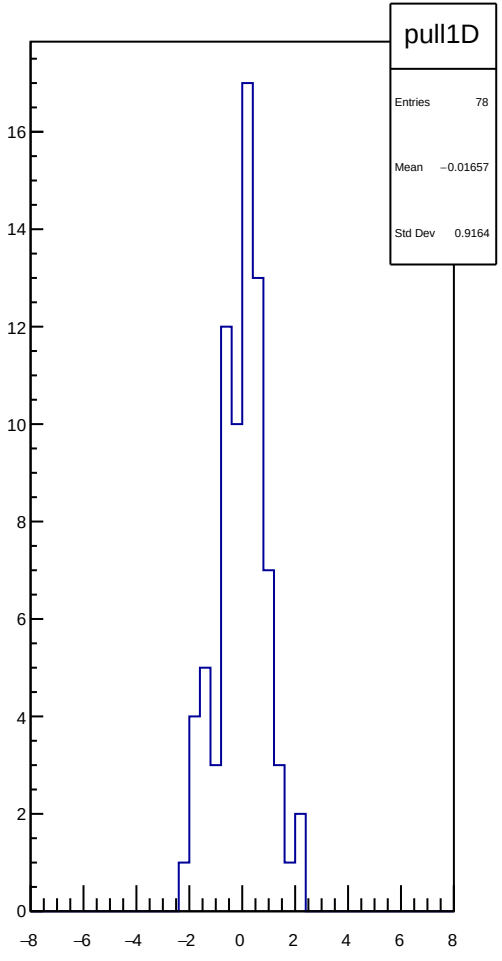

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 65.54 / 77
p0 0.08864 ± 0.1024
pull
Entries 78
Mean 1983
Std Dev 1912

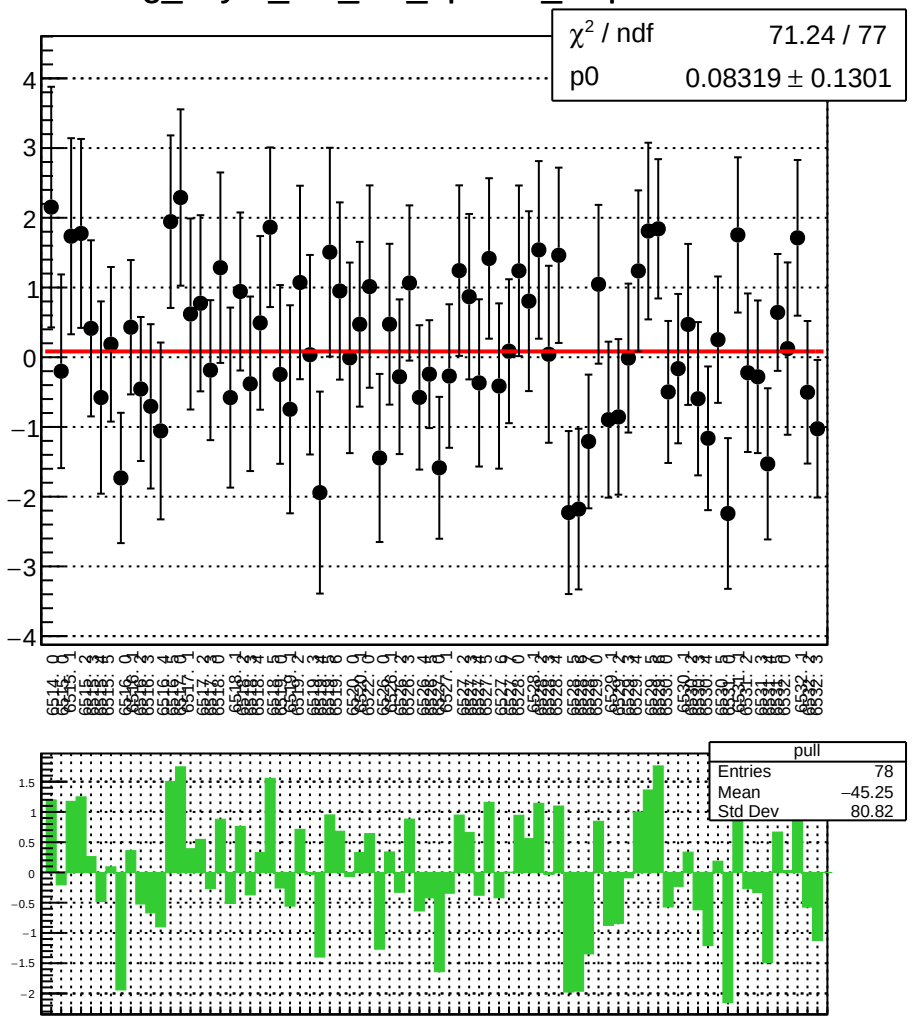

pull1D
Entries 78
Mean 0.0006981
Std Dev 0.9167

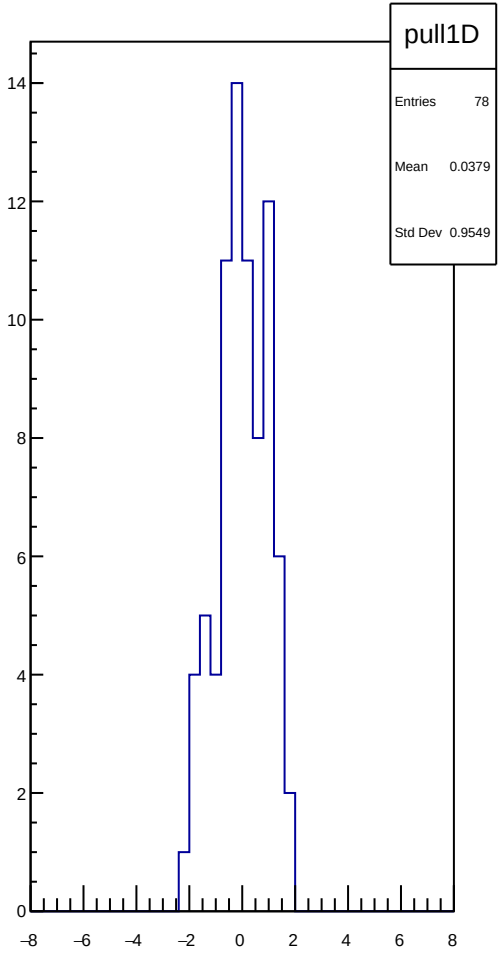

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 91.85 / 77
p0 0.171 ± 0.1139
pull
Entries 78
Mean −231
Std Dev 279.1

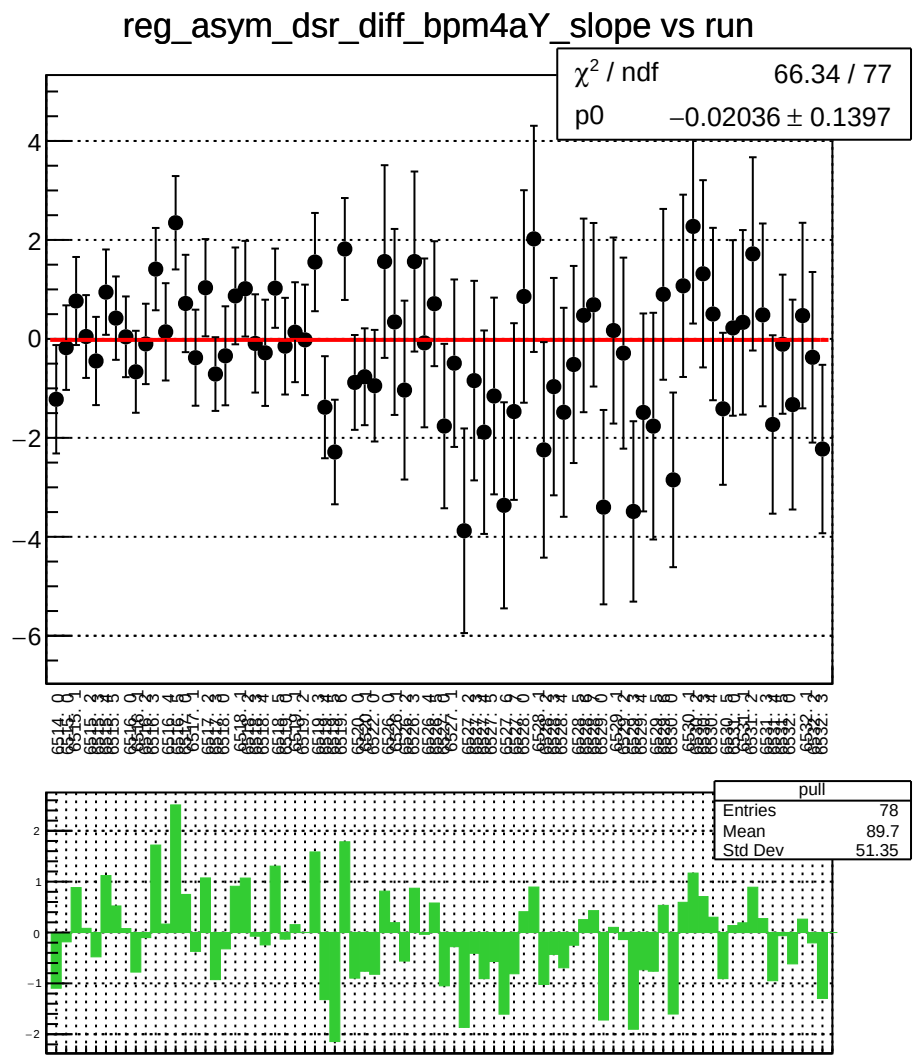

pull1D
Entries 78
Mean −0.007877
Std Dev 1.085

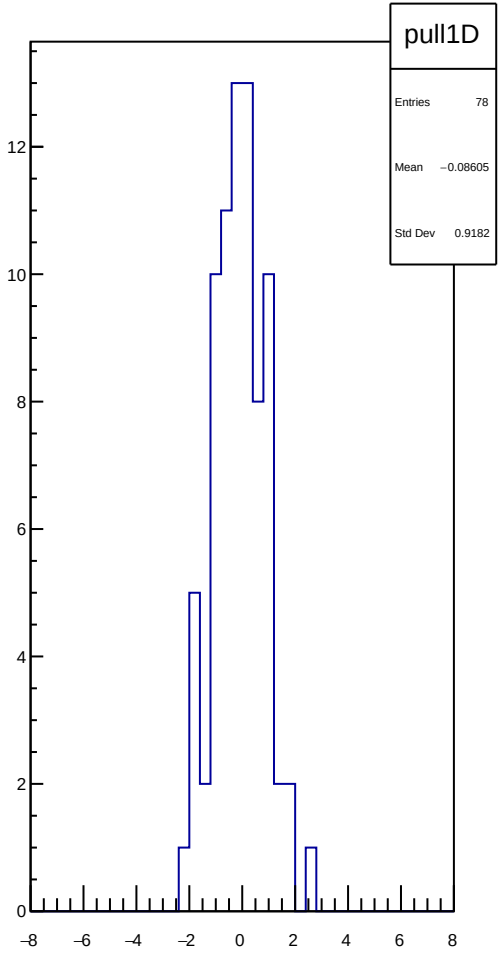

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 65.53 / 77
p0 −0.001575 ± 0.003982
pull
Entries 78
Mean −45.36
Std Dev 87.83

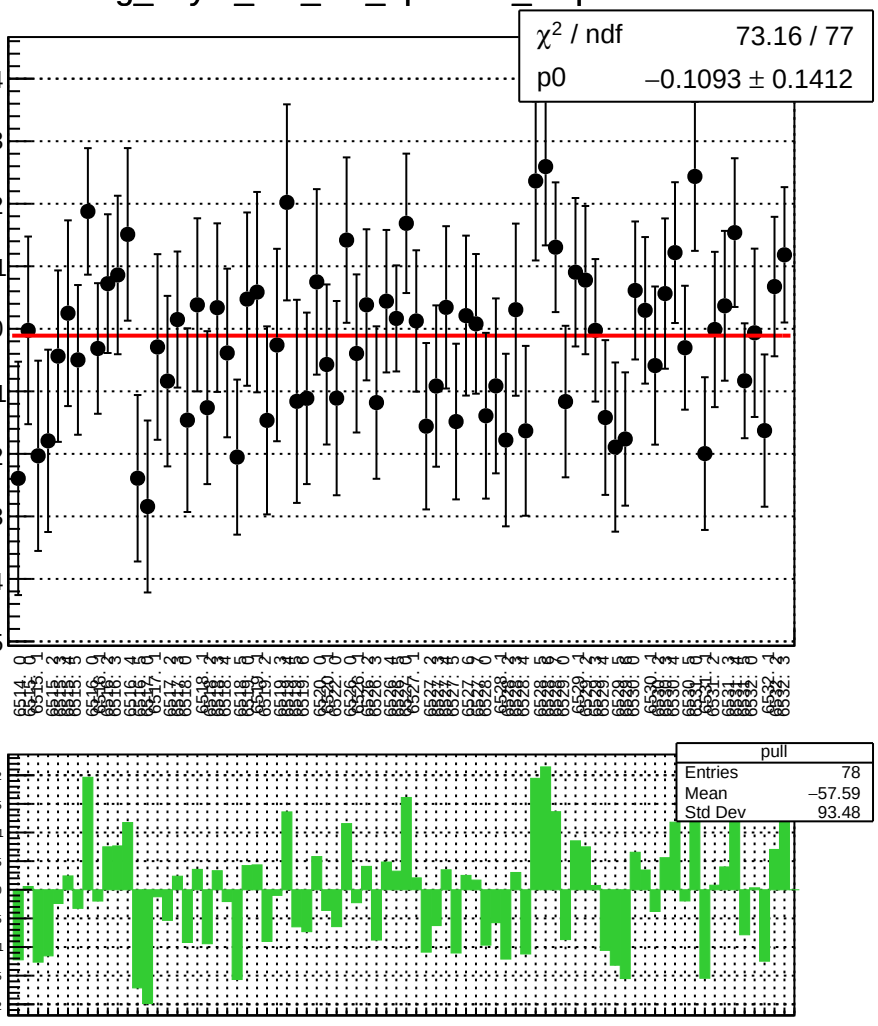

pull1D
Entries 78
Mean −0.01657
Std Dev 0.9164

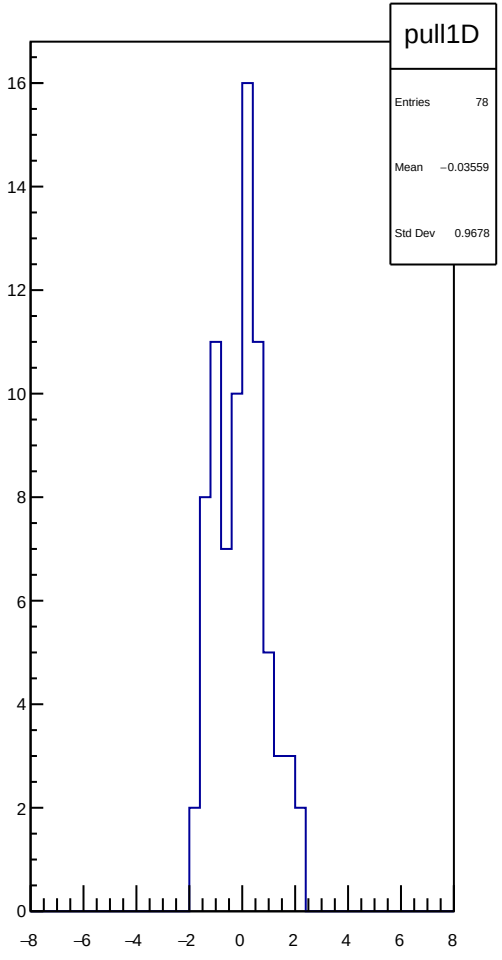

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 71.24 / 77
p0 0.08319 ± 0.1301
pull
Entries 78
Mean −45.25
Std Dev 80.82

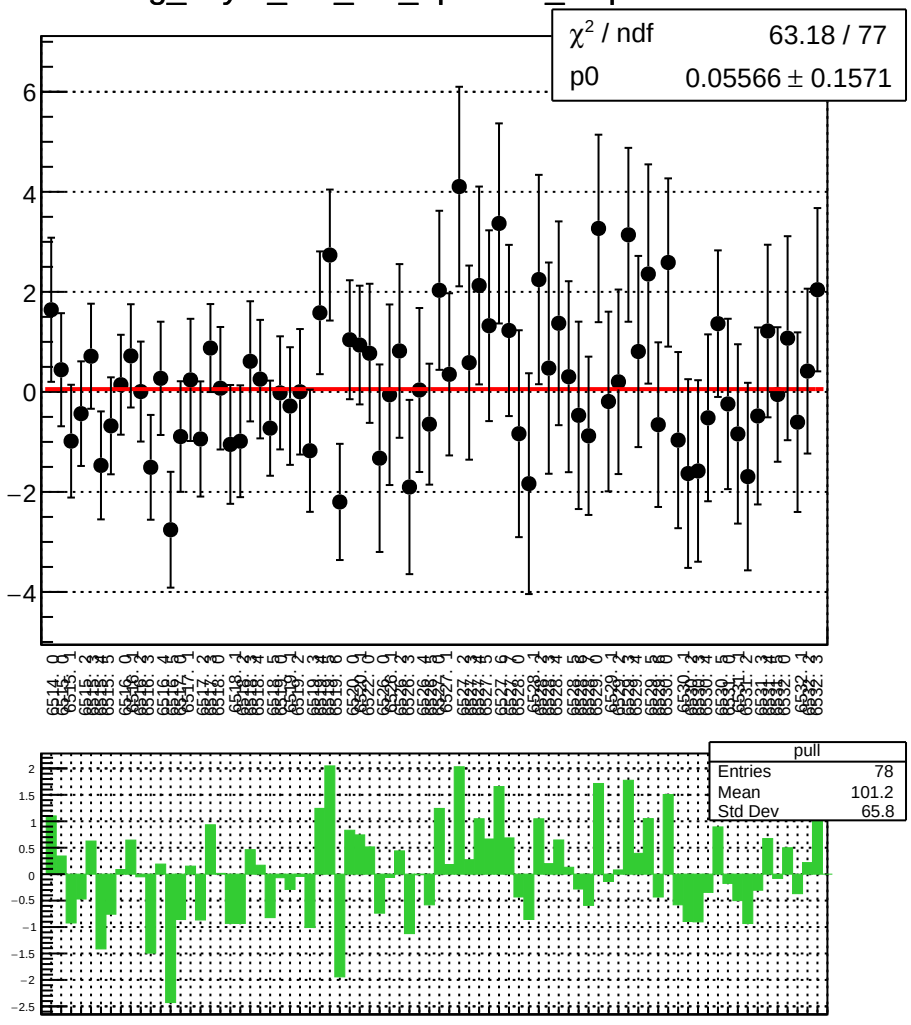

pull1D
Entries 78
Mean 0.0379
Std Dev 0.9549

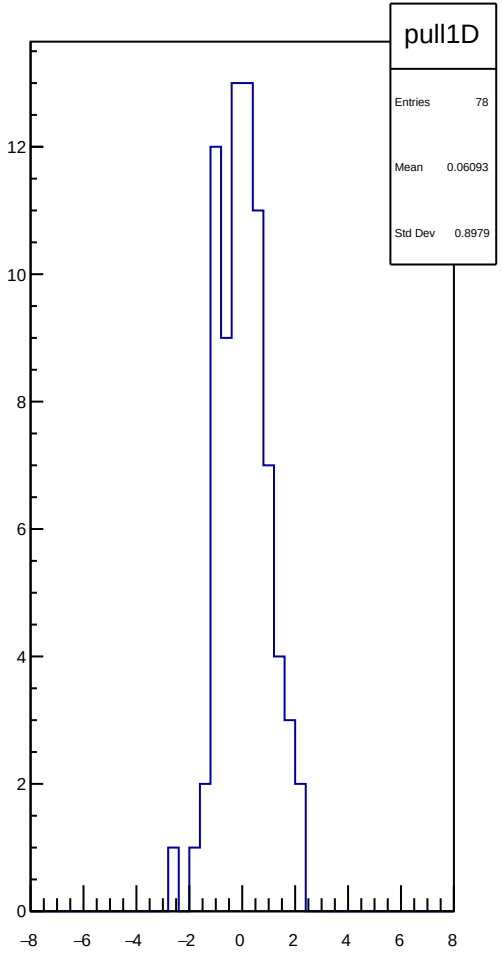

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 66.34 / 77
p0 −0.02036 ± 0.1397
pull
Entries 78
Mean 89.7
Std Dev 51.35

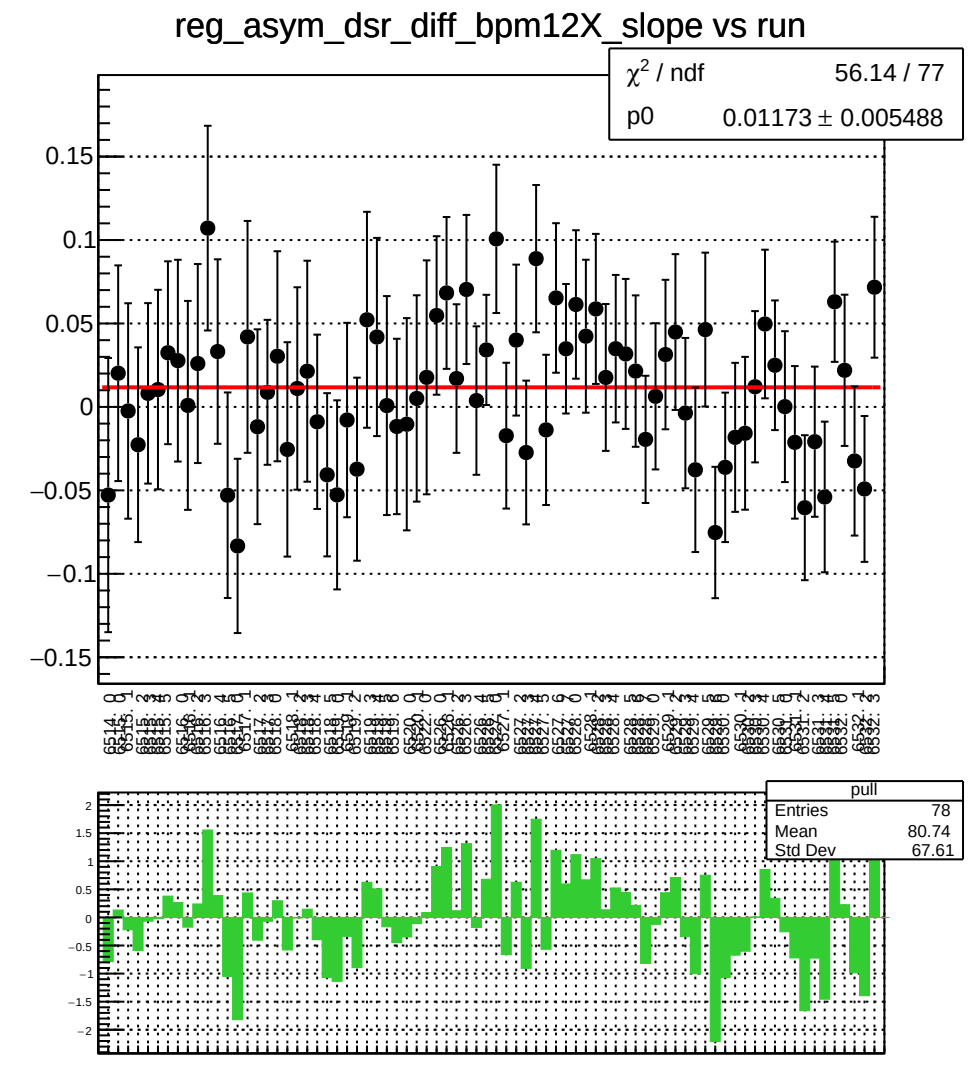

pull1D
Entries 78
Mean −0.08605
Std Dev 0.9182

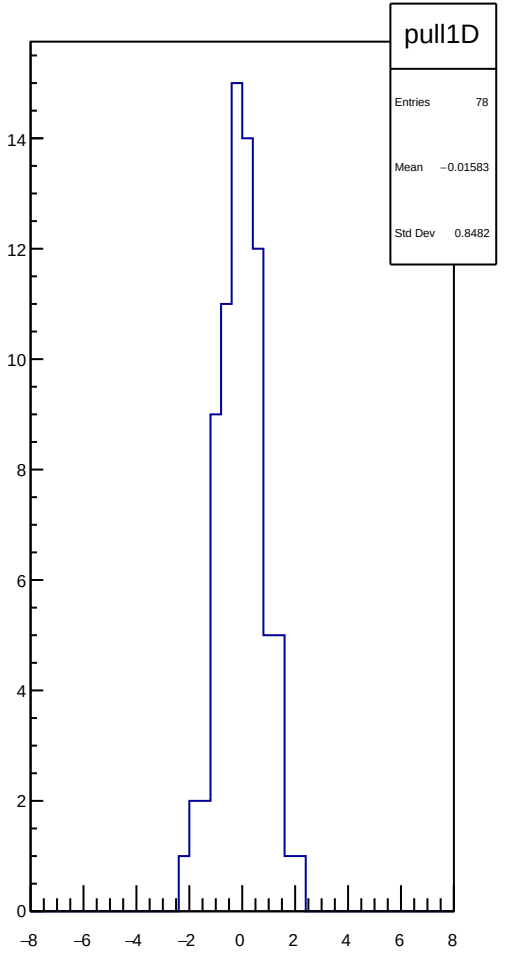

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 73.16 / 77
p0 −0.1093 ± 0.1412
pull
Entries 78
Mean −57.59
Std Dev 93.48

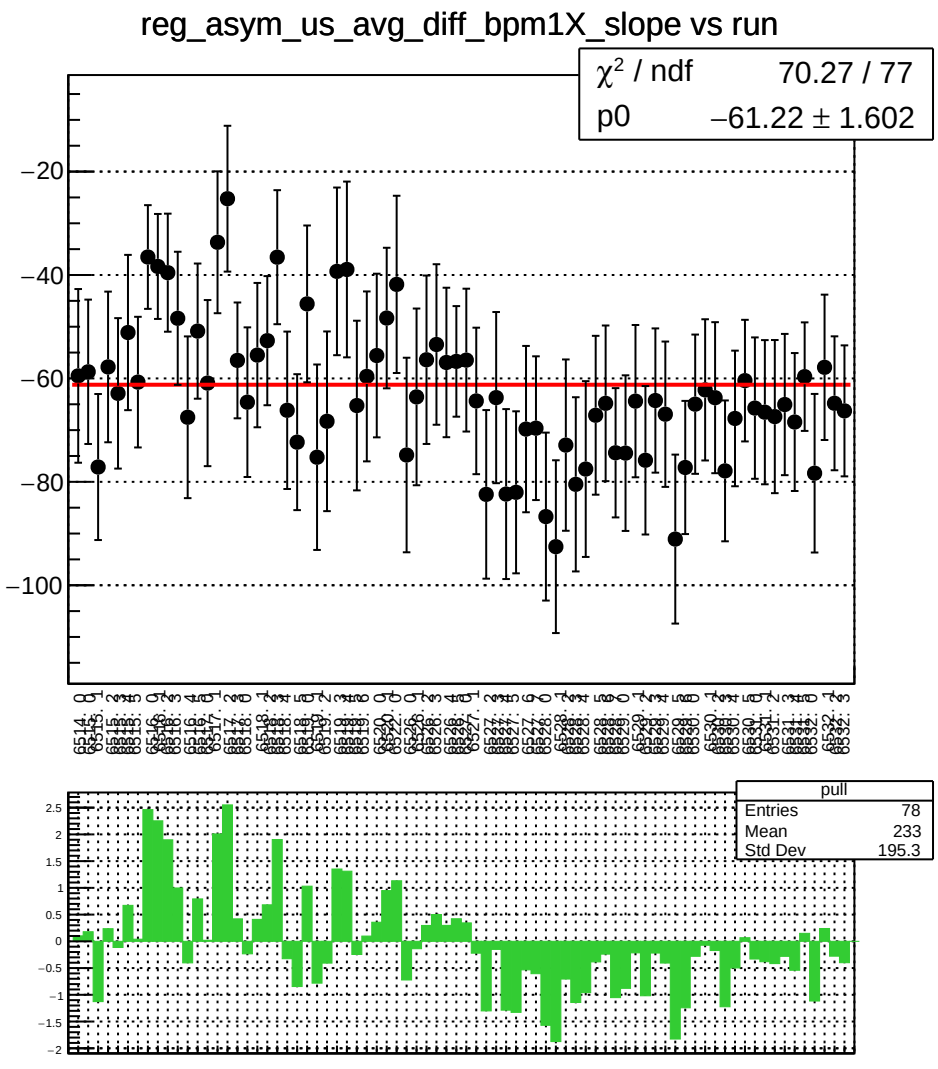

pull1D
Entries 78
Mean −0.03559
Std Dev 0.9678

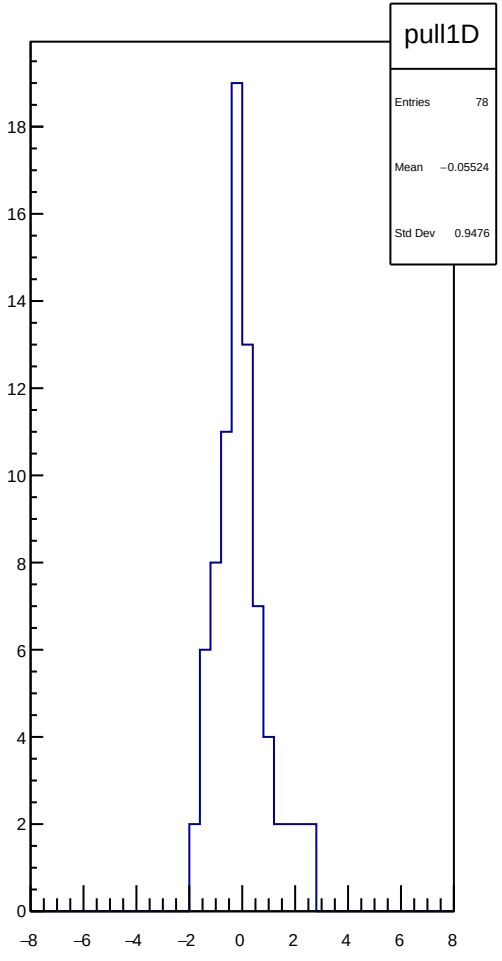

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 63.18 / 77
p0 0.05566 ± 0.1571
pull
Entries 78
Mean 101.2
Std Dev 65.8

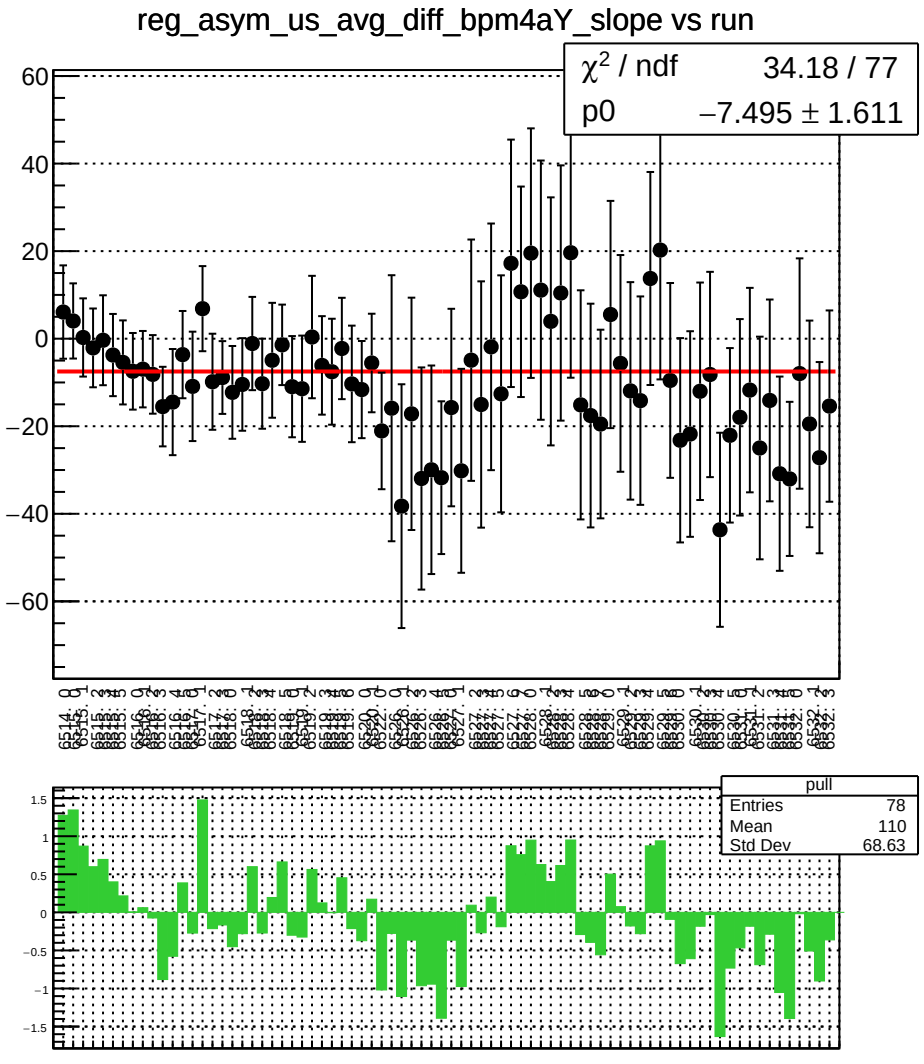

pull1D
Entries 78
Mean 0.06093
Std Dev 0.8979

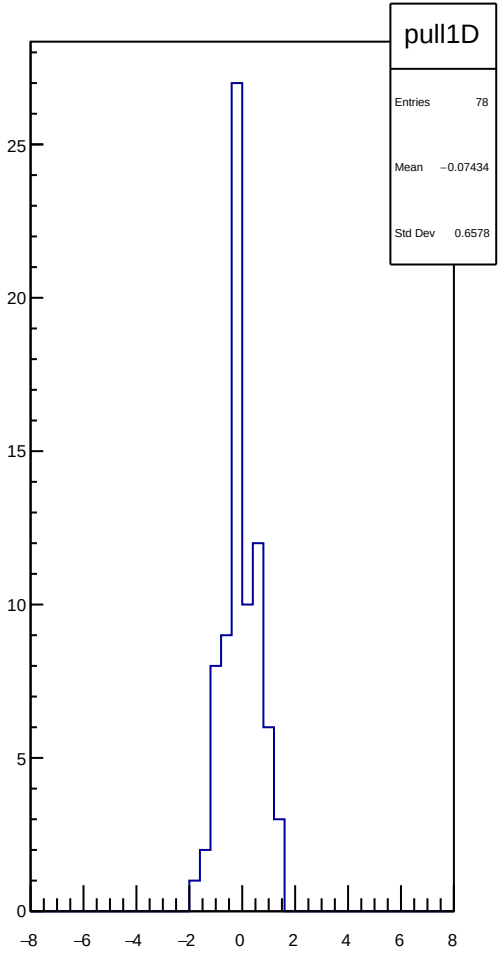

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 56.14 / 77
p0 0.01173 ± 0.005488
pull
Entries 78
Mean 80.74
Std Dev 67.61

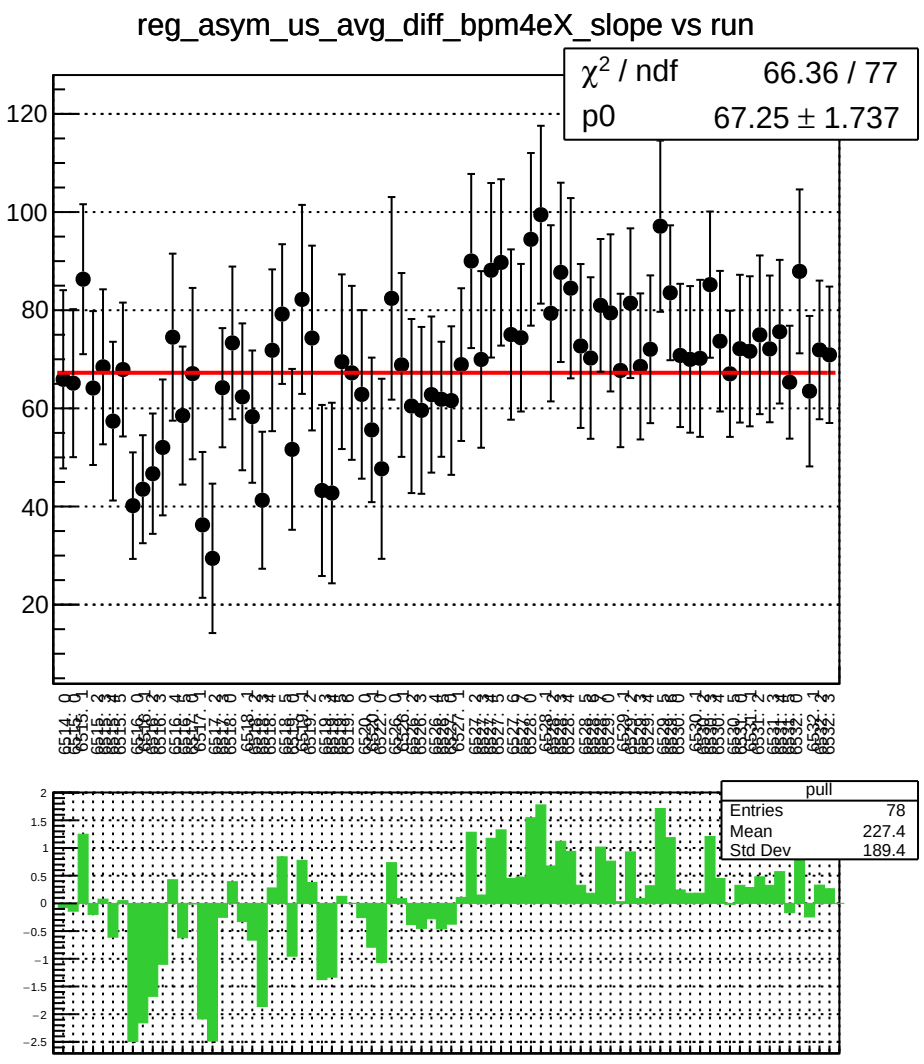

pull1D
Entries 78
Mean −0.01583
Std Dev 0.8482

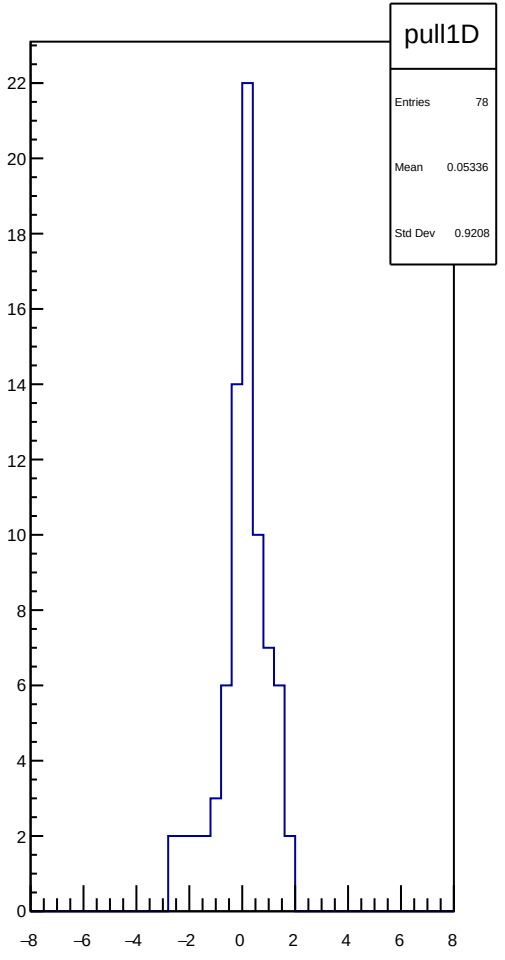

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 70.27 / 77
p0 −61.22 ± 1.602
pull
Entries 78
Mean 233
Std Dev 195.3

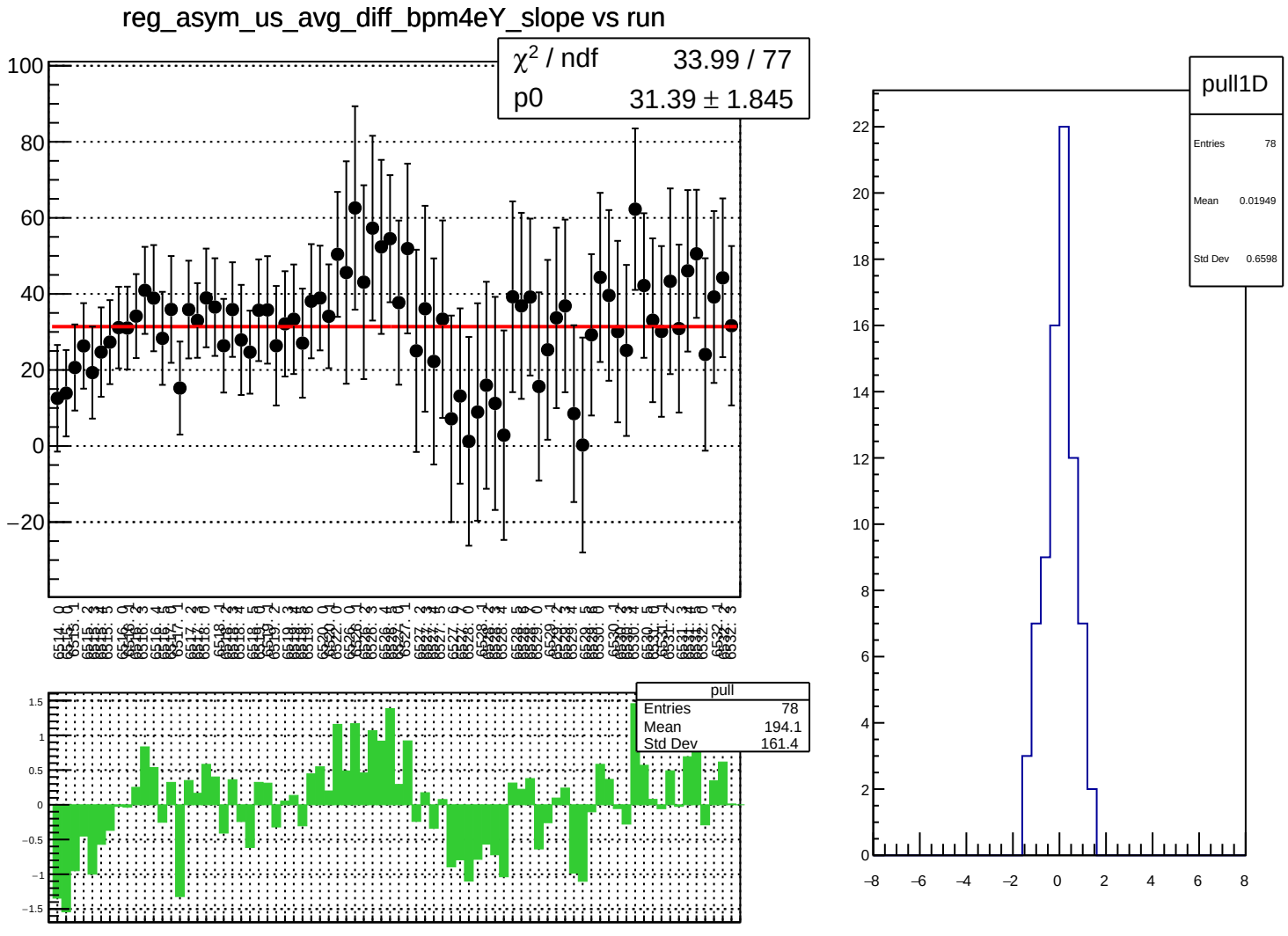

pull1D
Entries 78
Mean −0.05524
Std Dev 0.9476

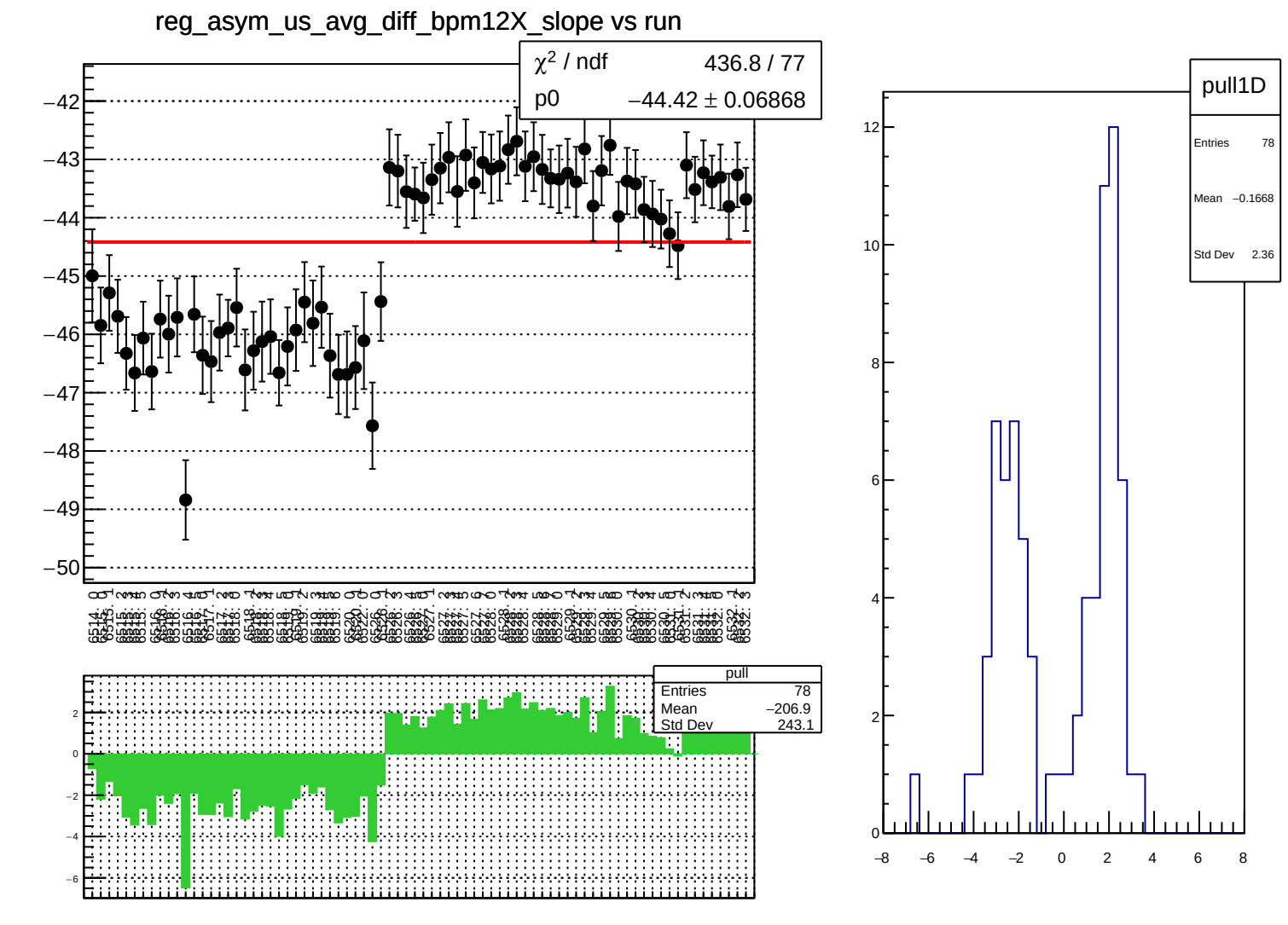

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 34.18 / 77
p0 −7.495 ± 1.611
pull
Entries 78
Mean 110
Std Dev 68.63

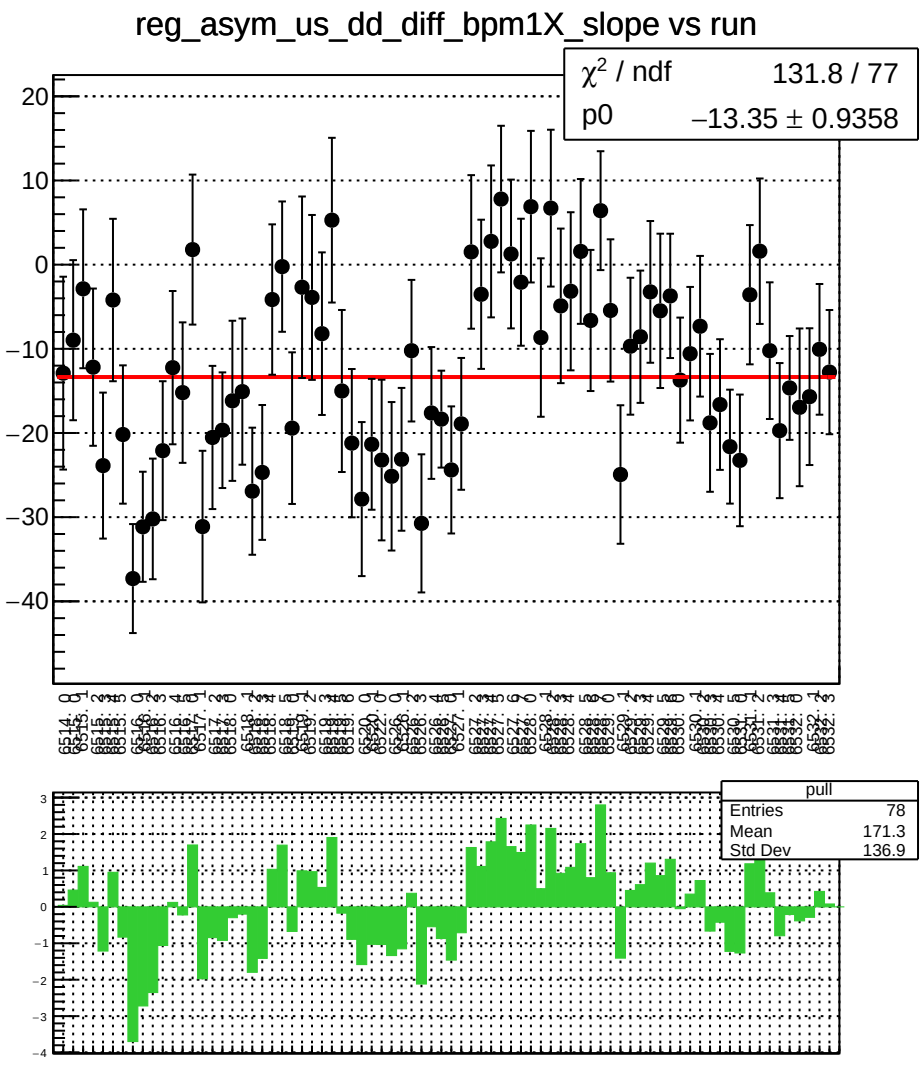

pull1D
Entries 78
Mean −0.07434
Std Dev 0.6578

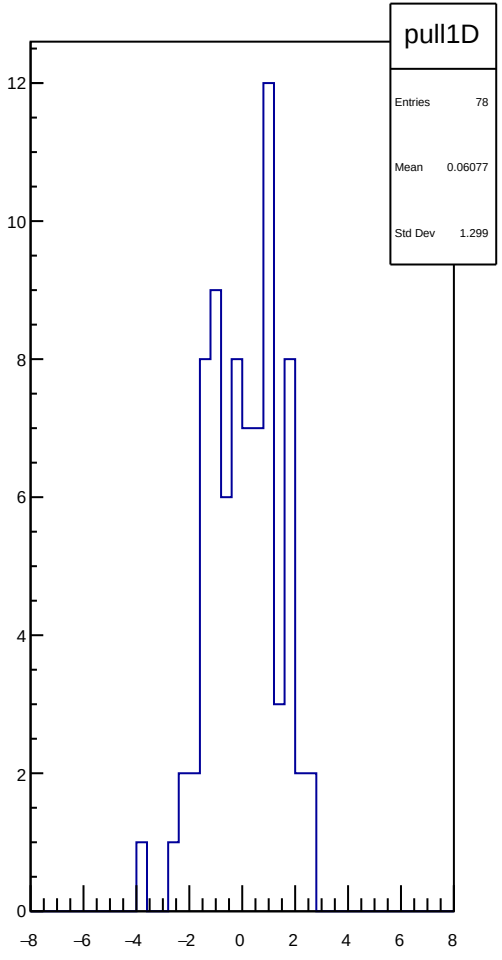

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 66.36 / 77
p0 67.25 ± 1.737
pull
Entries 78
Mean 227.4
Std Dev 189.4

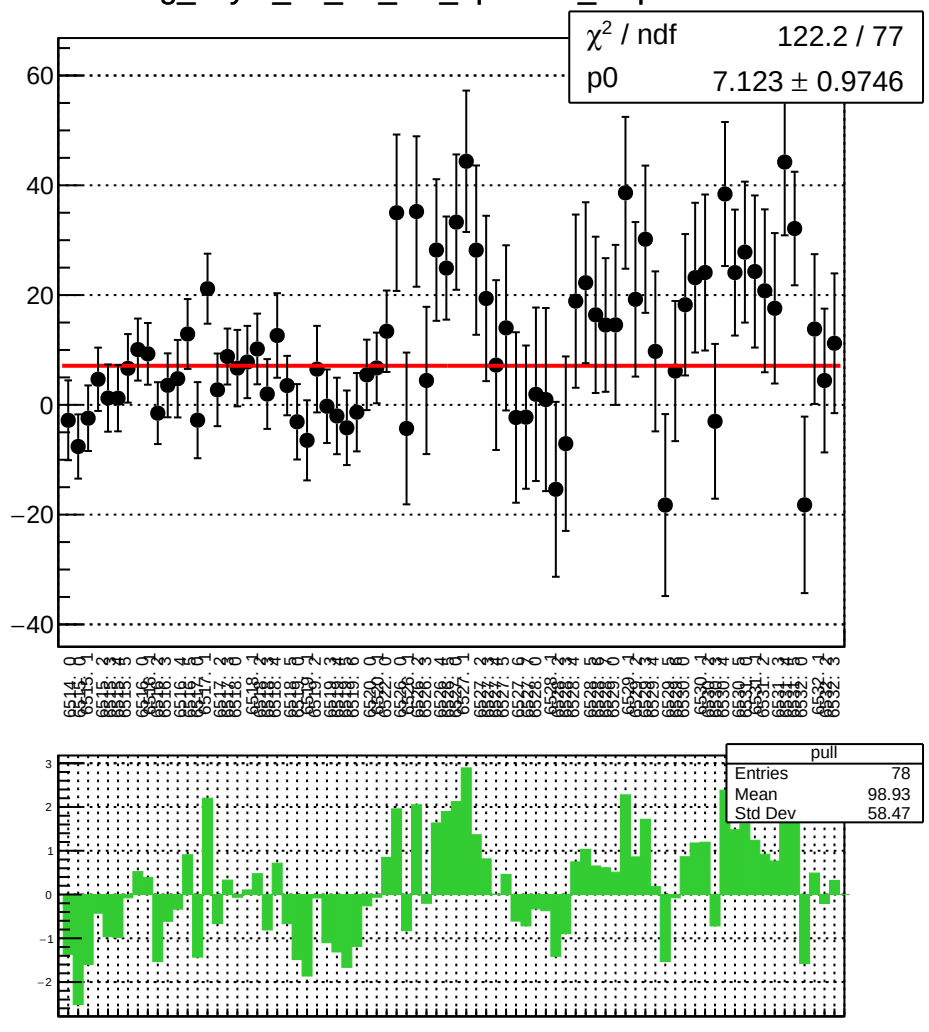

pull1D
Entries 78
Mean 0.05336
Std Dev 0.9208

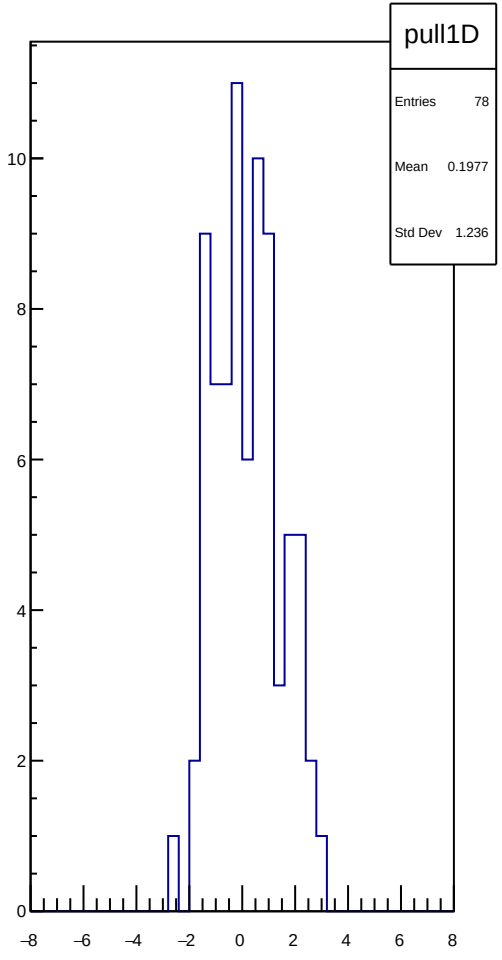

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 33.99 / 77
p0 31.39 ± 1.845
pull
Entries 78
Mean 194.1
Std Dev 161.4
pull1D
Entries 78
Mean 0.01949
Std Dev 0.6598

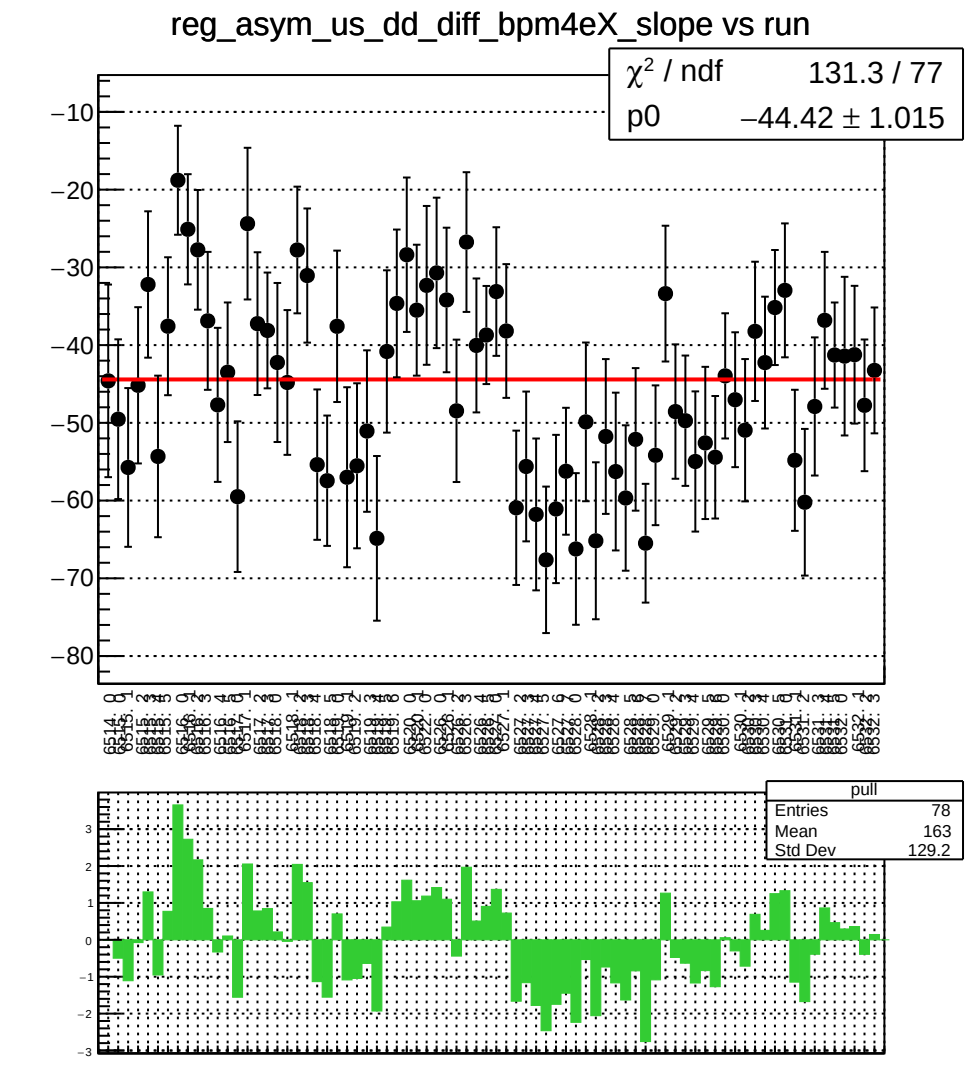

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 436.8 / 77
p0 −44.42 ± 0.06868
pull
Entries 78
Mean −206.9
Std Dev 243.1
pull1D
Entries 78
Mean −0.1668
Std Dev 2.36

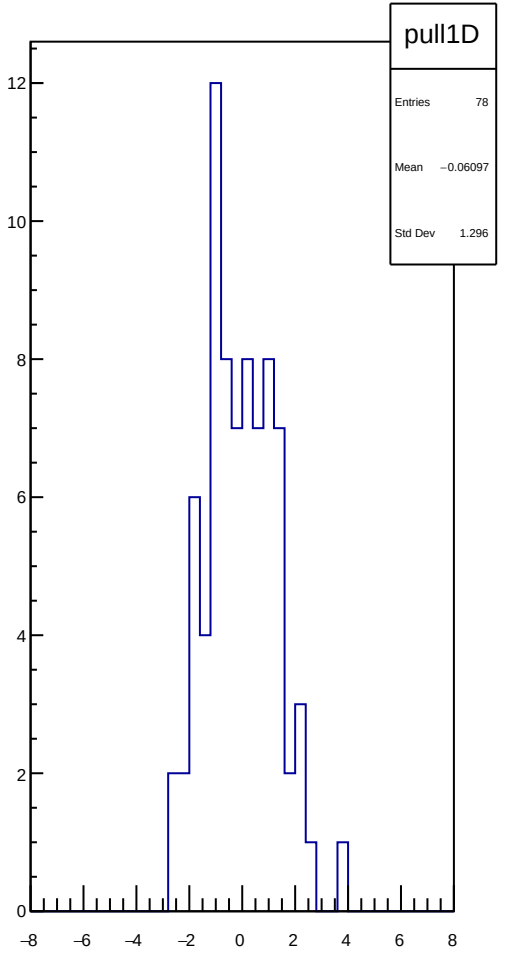

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 131.8 / 77
p0 −13.35 ± 0.9358
pull
Entries 78
Mean 171.3
Std Dev 136.9

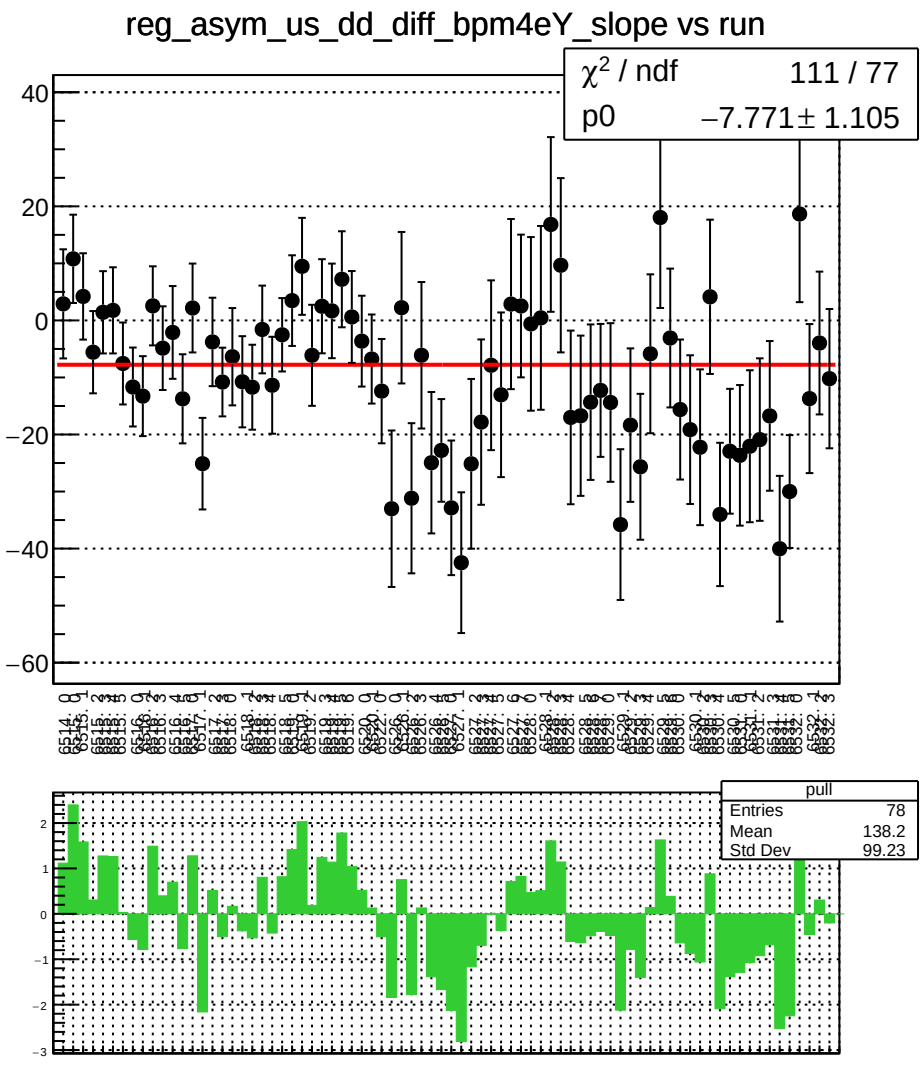

pull1D
Entries 78
Mean 0.06077
Std Dev 1.299

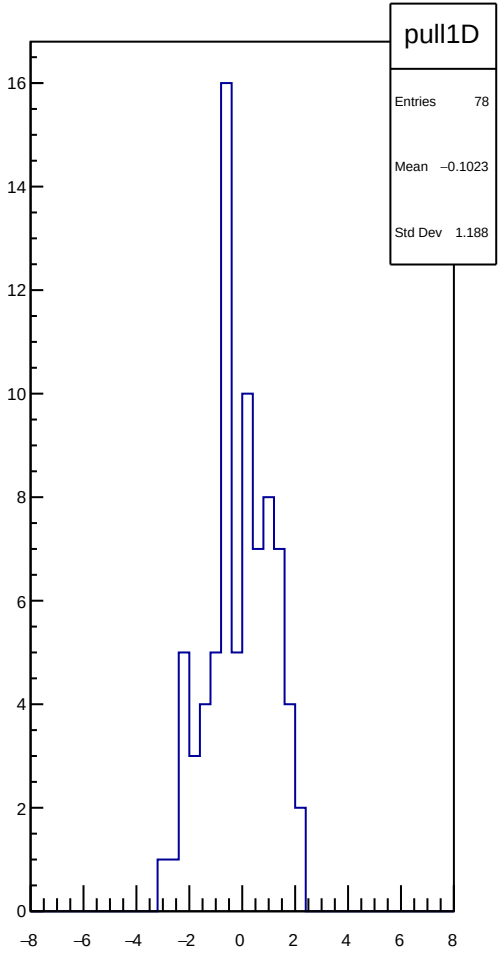

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 122.2 / 77
p0 7.123 ± 0.9746
pull
Entries 78
Mean 98.93
Std Dev 58.47

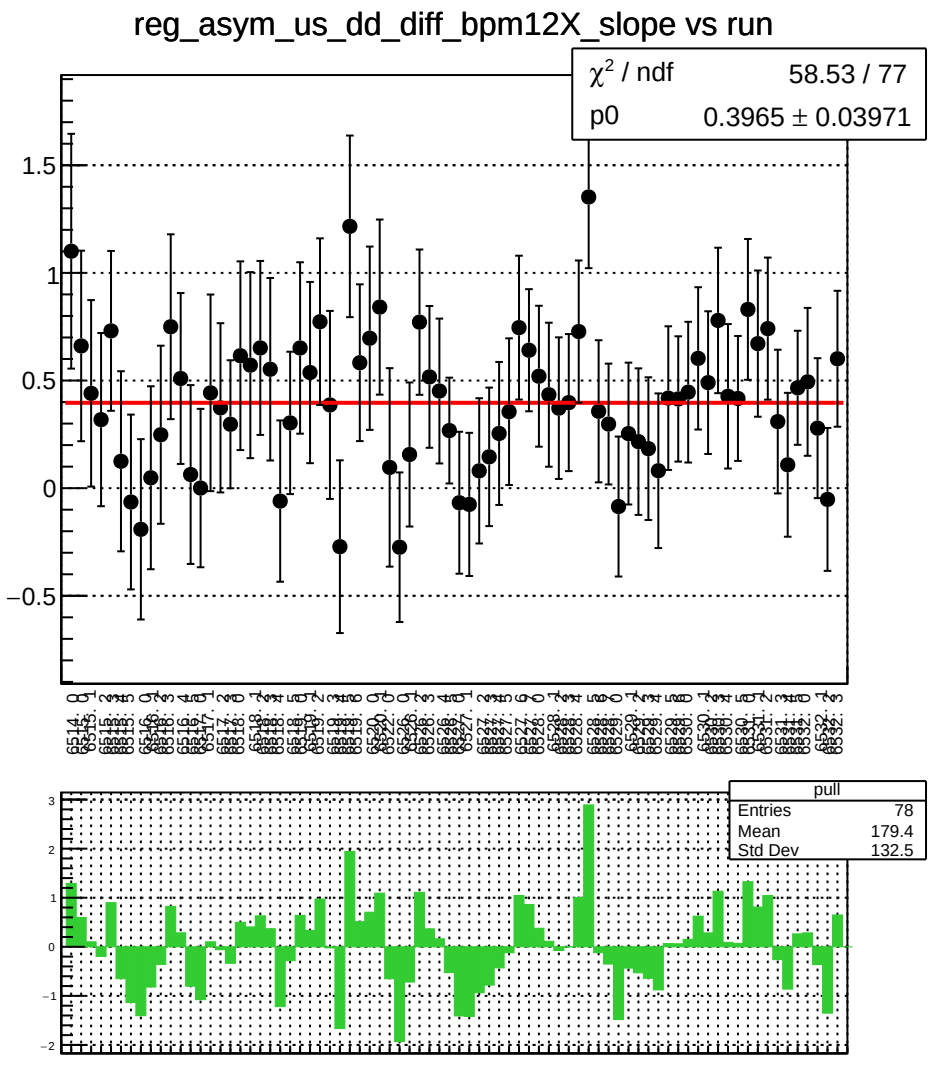

pull1D
Entries 78
Mean 0.1977
Std Dev 1.236

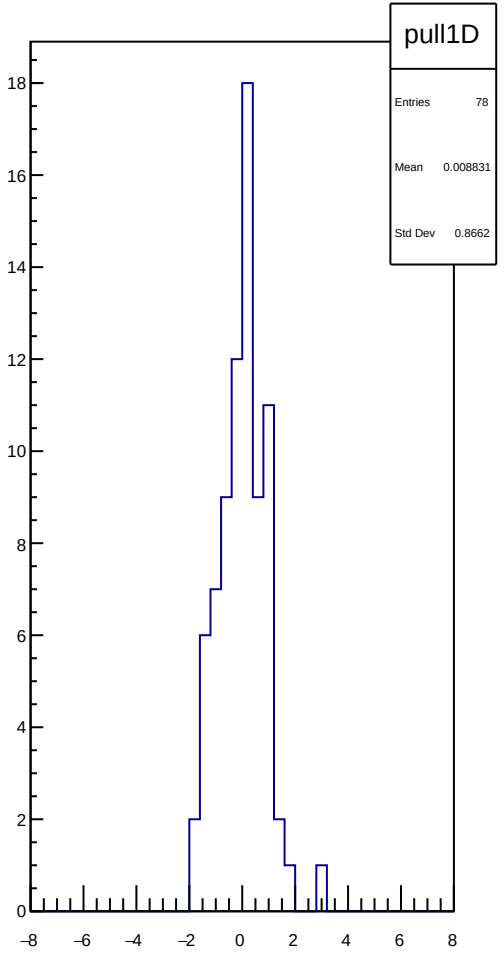

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 131.3 / 77
p0 −44.42 ± 1.015
pull
Entries 78
Mean 163
Std Dev 129.2

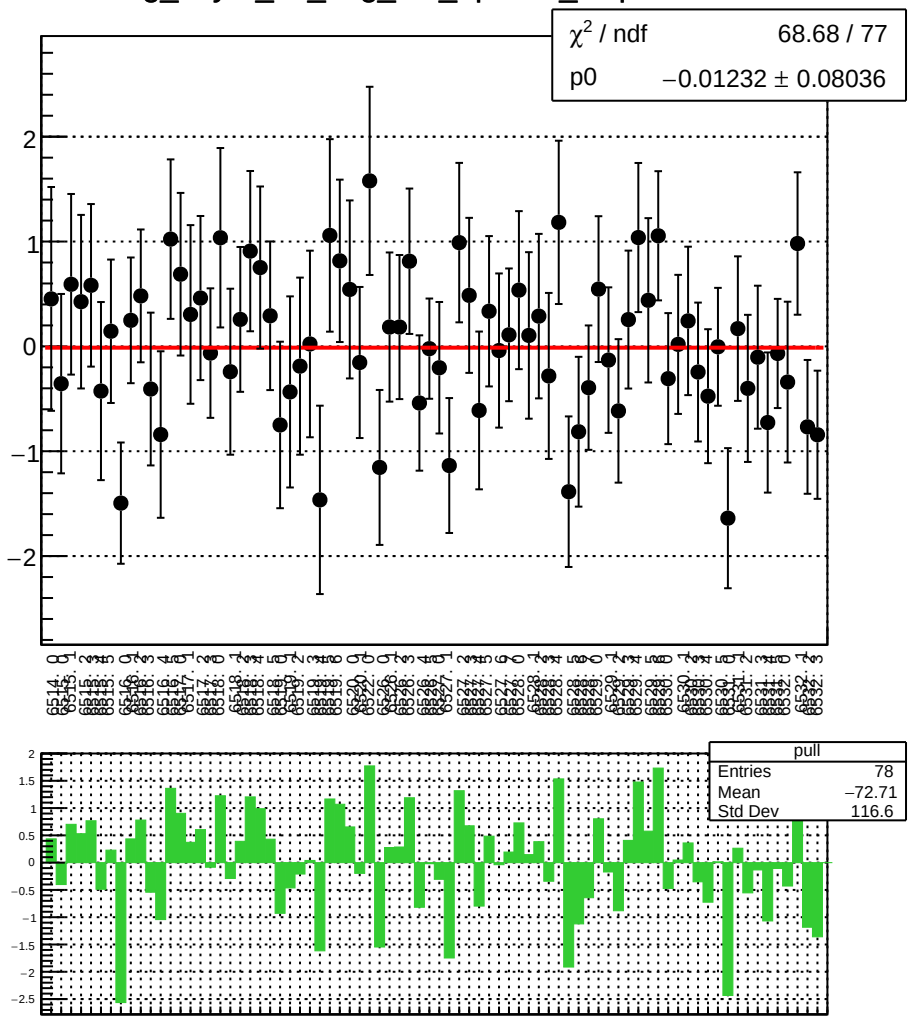

pull1D
Entries 78
Mean −0.06097
Std Dev 1.296

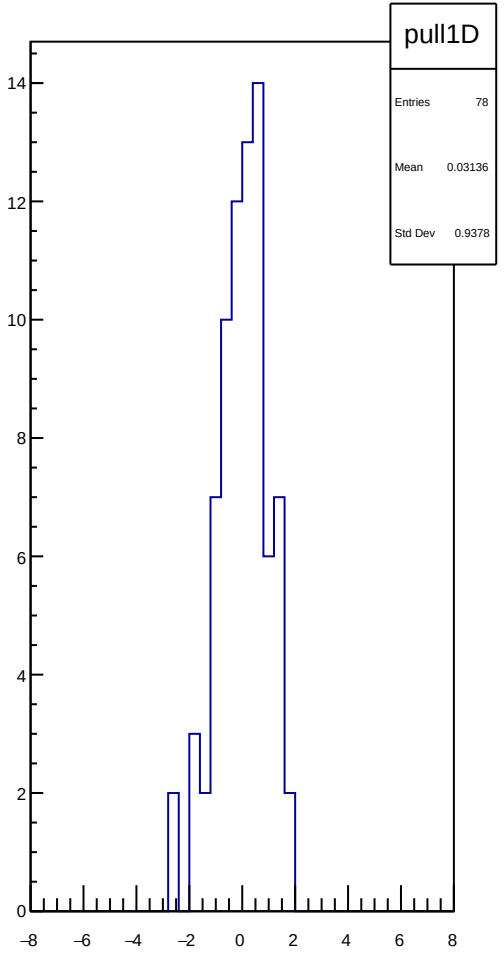

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 111 / 77
p0 −7.771± 1.105
pull
Entries 78
Mean 138.2
Std Dev 99.23

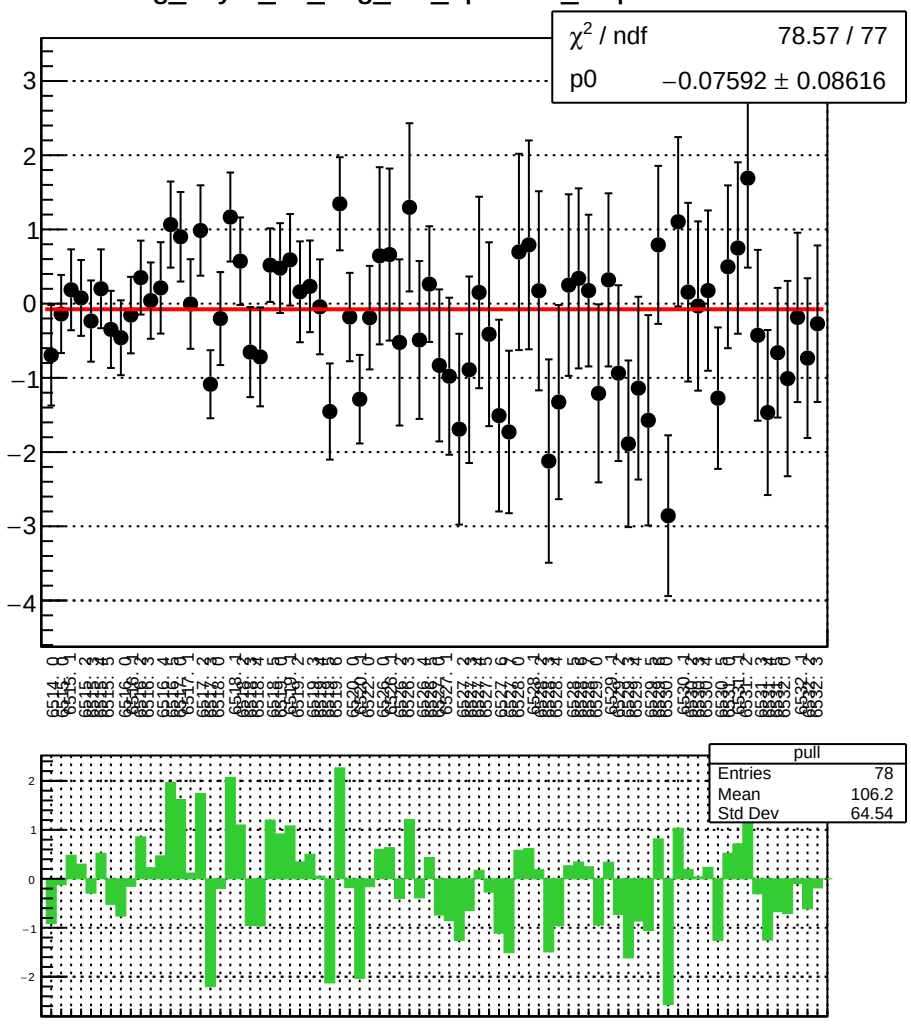

pull1D
Entries 78
Mean −0.1023
Std Dev 1.188

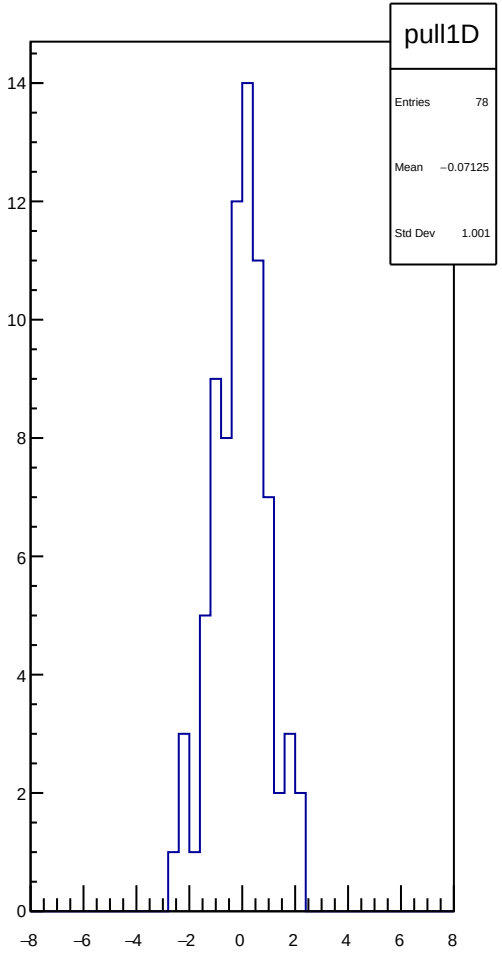

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 58.53 / 77
p0 0.3965 ± 0.03971
pull
Entries 78
Mean 179.4
Std Dev 132.5

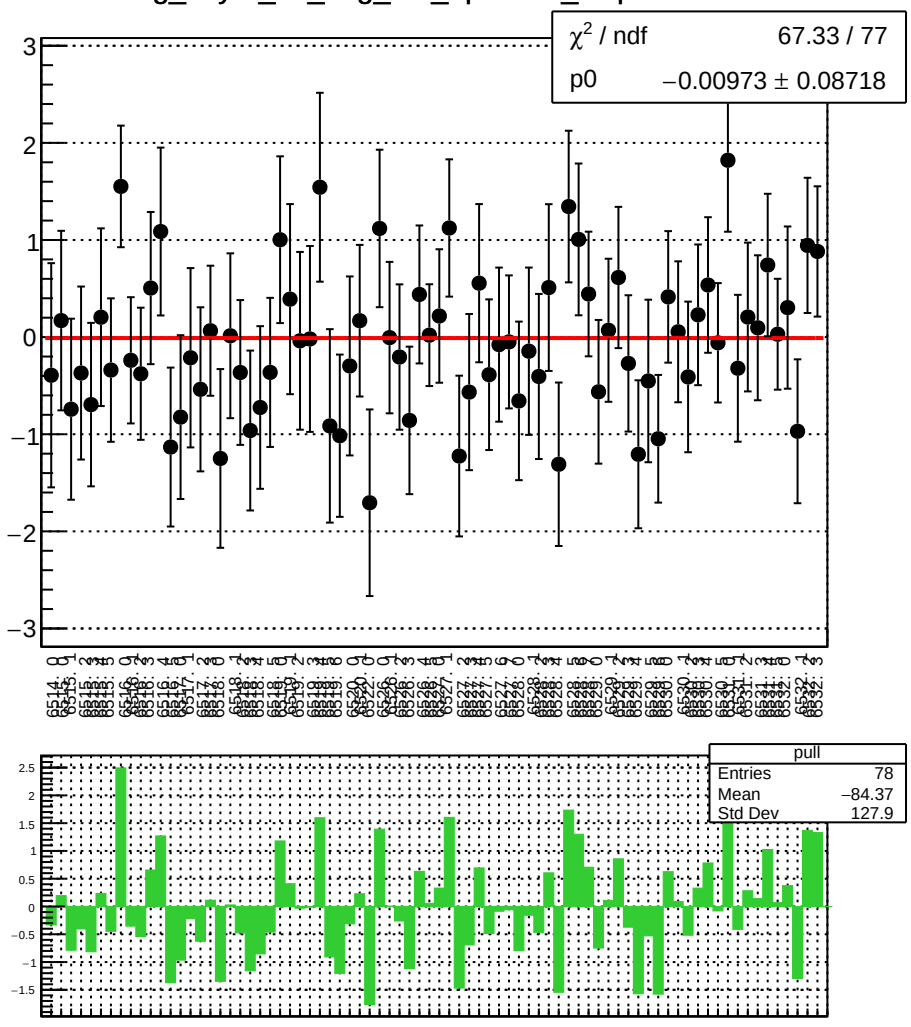

pull1D
Entries 78
Mean 0.008831
Std Dev 0.8662

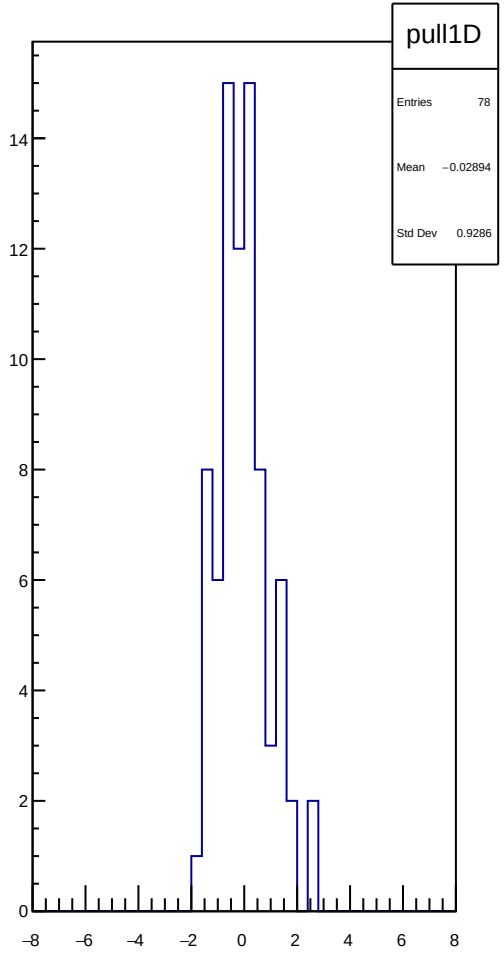

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 68.68 / 77
p0 −0.01232 ± 0.08036
pull
Entries 78
Mean −72.71
Std Dev 116.6

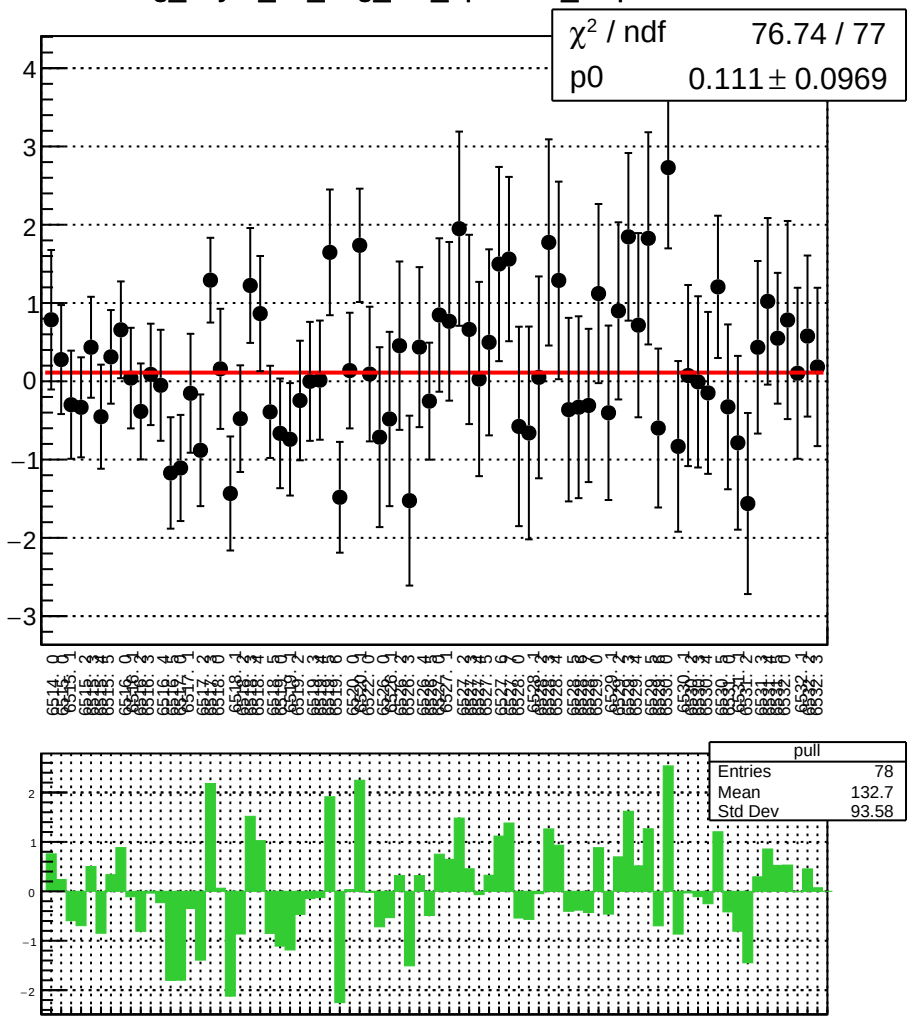

pull1D
Entries 78
Mean 0.03136
Std Dev 0.9378

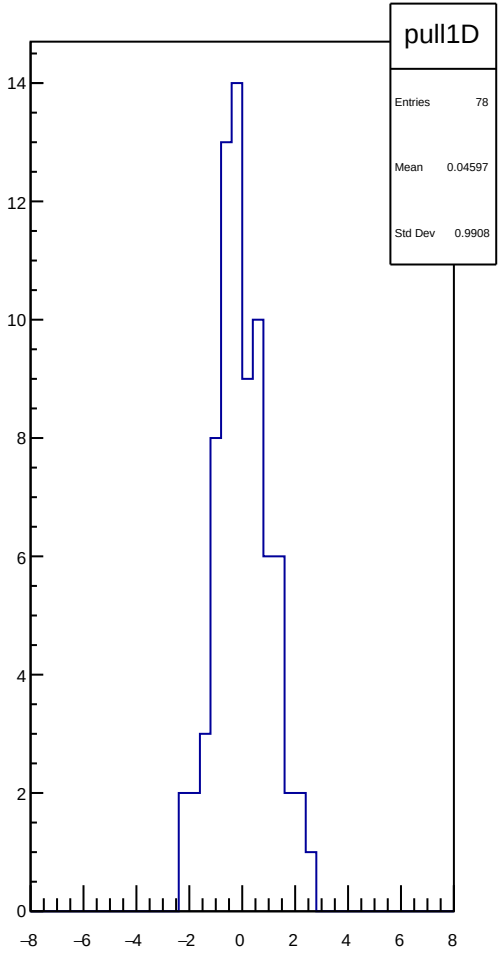

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 78.57 / 77
p0 −0.07592 ± 0.08616
pull
Entries 78
Mean 106.2
Std Dev 64.54

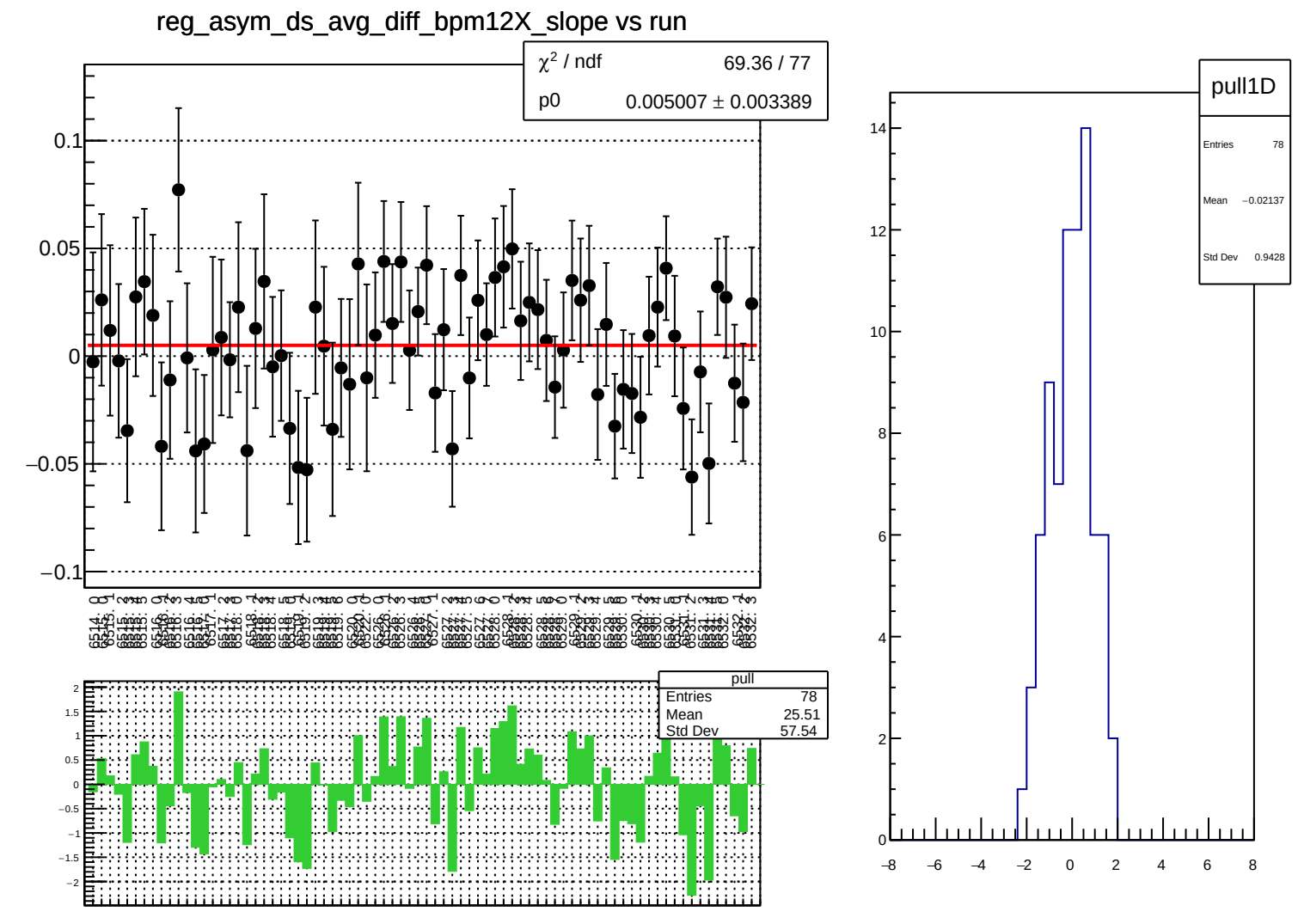

pull1D
Entries 78
Mean −0.07125
Std Dev 1.001

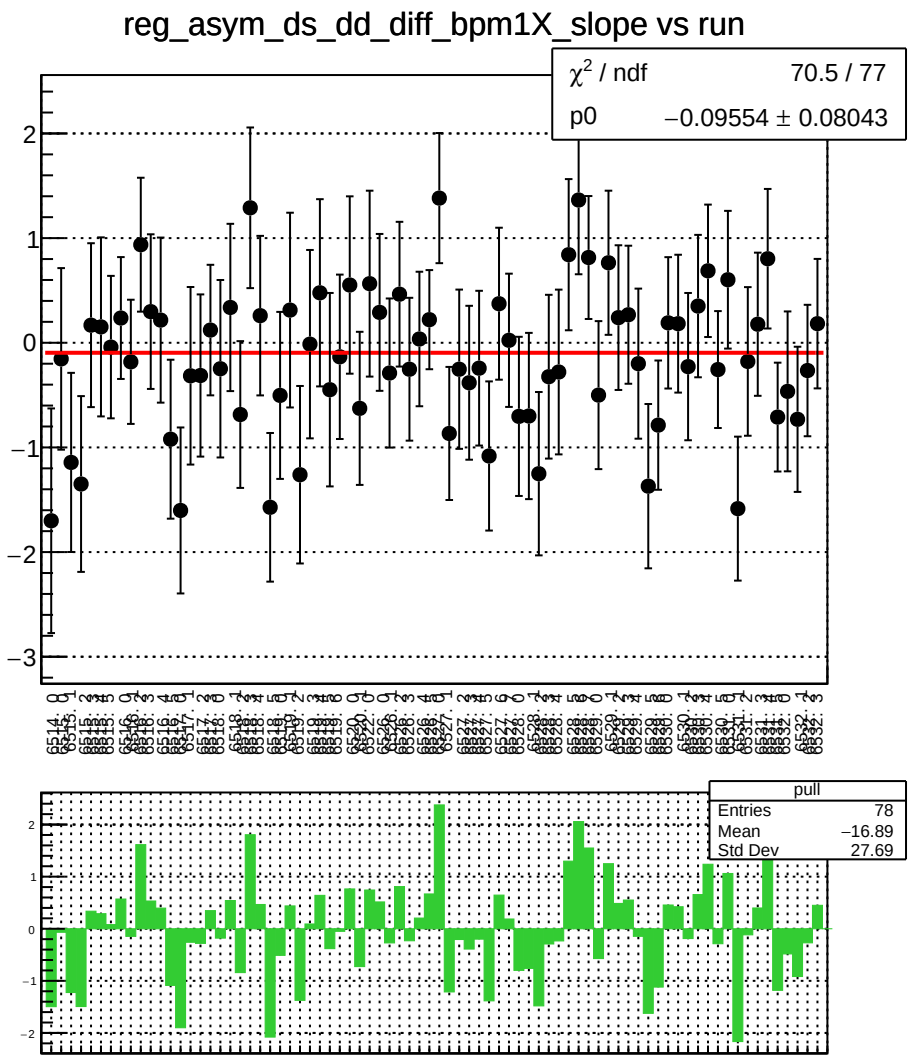

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 67.33 / 77
p0 −0.00973 ± 0.08718
pull
Entries 78
Mean −84.37
Std Dev 127.9

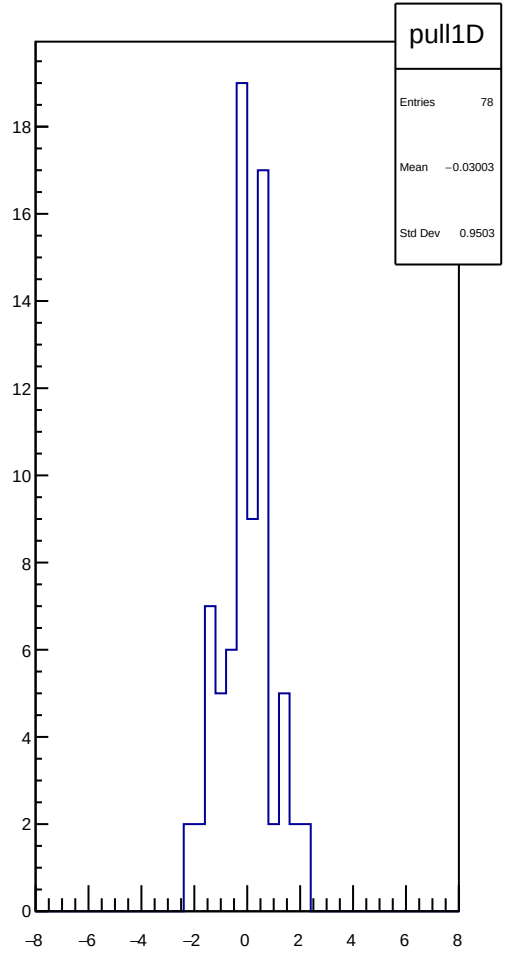

pull1D
Entries 78
Mean −0.02894
Std Dev 0.9286

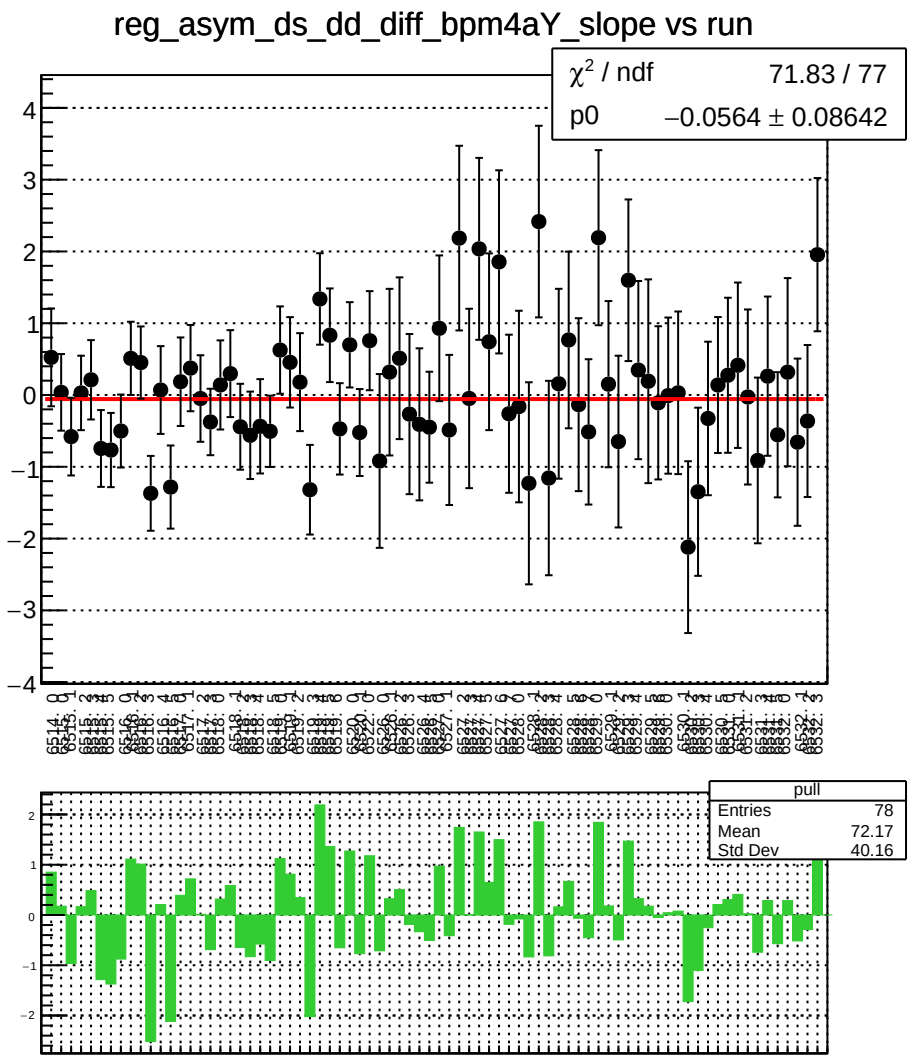

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 76.74 / 77
p0 0.111 ± 0.0969
pull
Entries 78
Mean 132.7
Std Dev 93.58

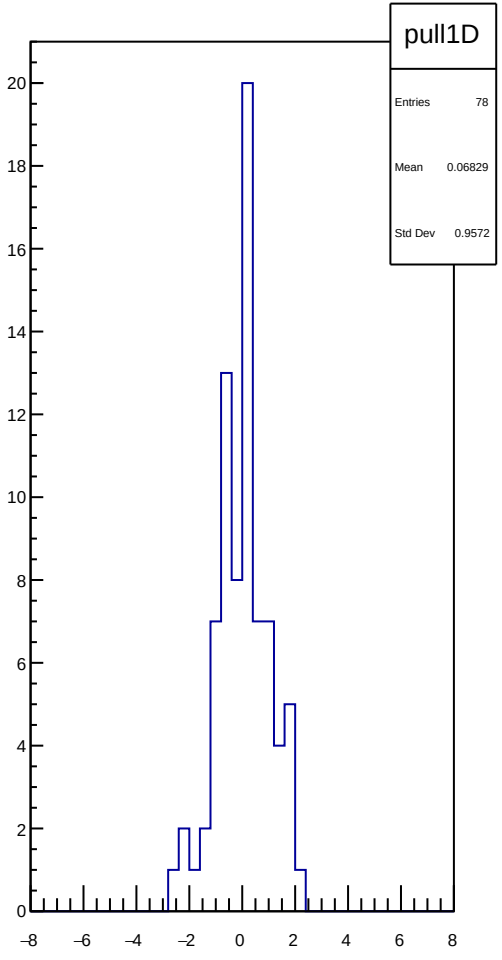

pull1D
Entries 78
Mean 0.04597
Std Dev 0.9908

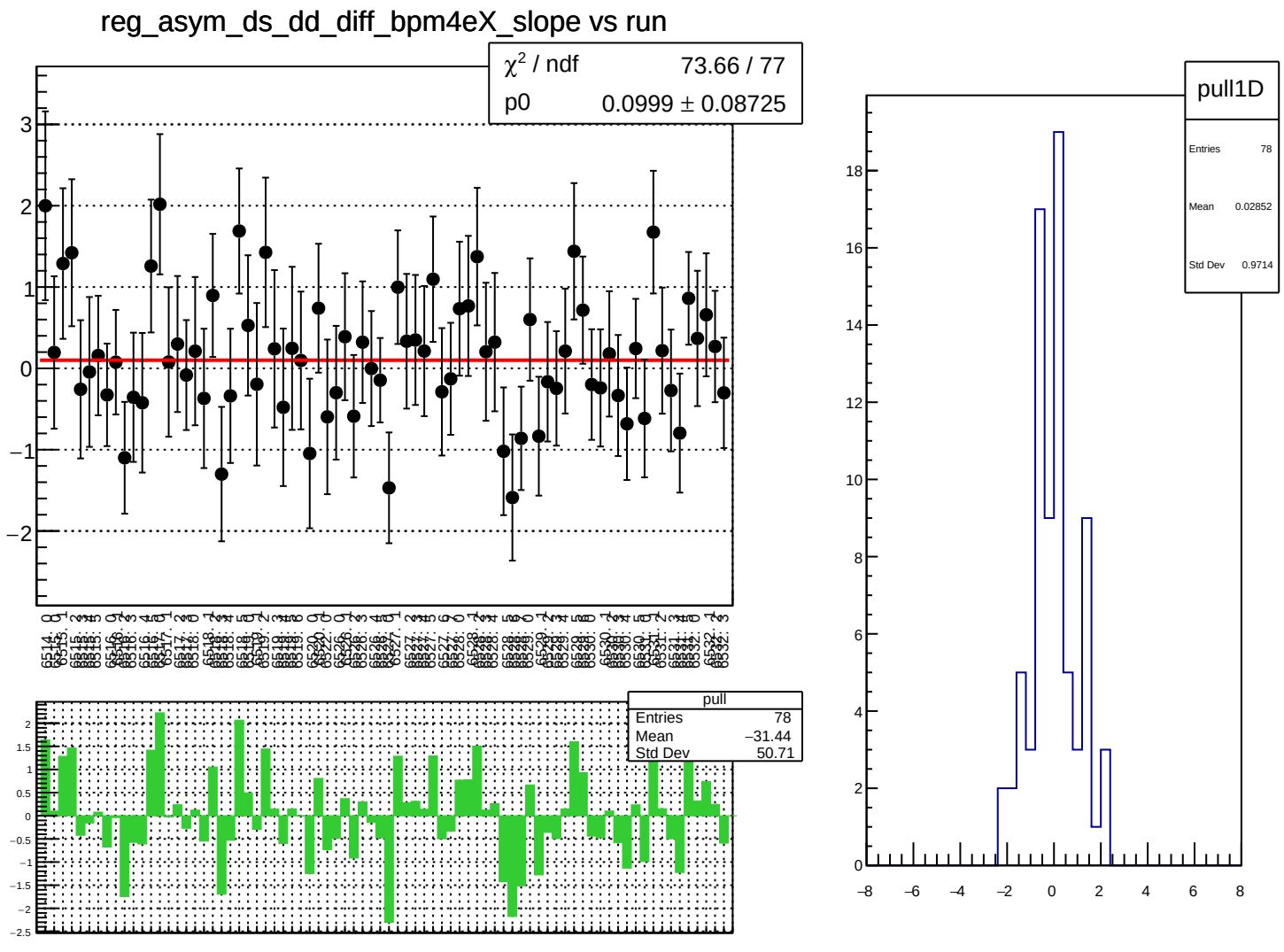

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 69.36 / 77
p0 0.005007 ± 0.003389
pull
Entries 78
Mean 25.51
Std Dev 57.54
pull1D
Entries 78
Mean −0.02137
Std Dev 0.9428

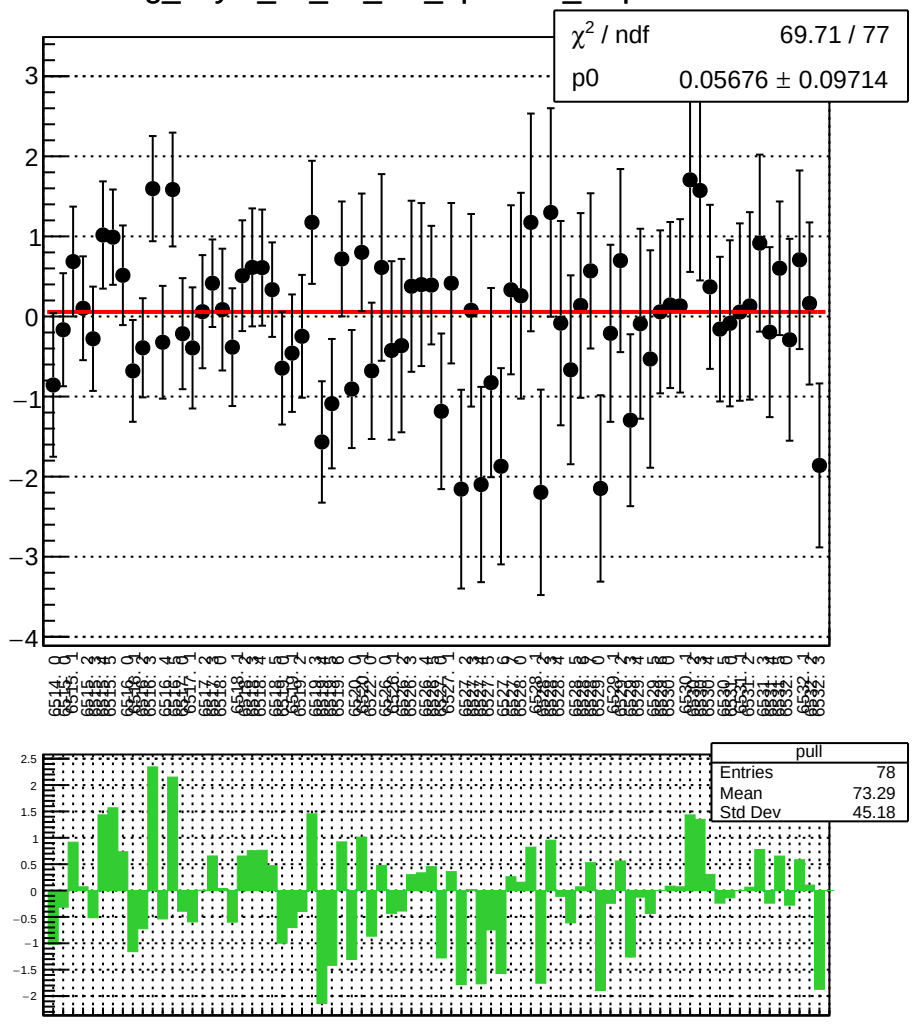

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 70.5 / 77
p0 −0.09554 ± 0.08043
pull
Entries 78
Mean −16.89
Std Dev 27.69

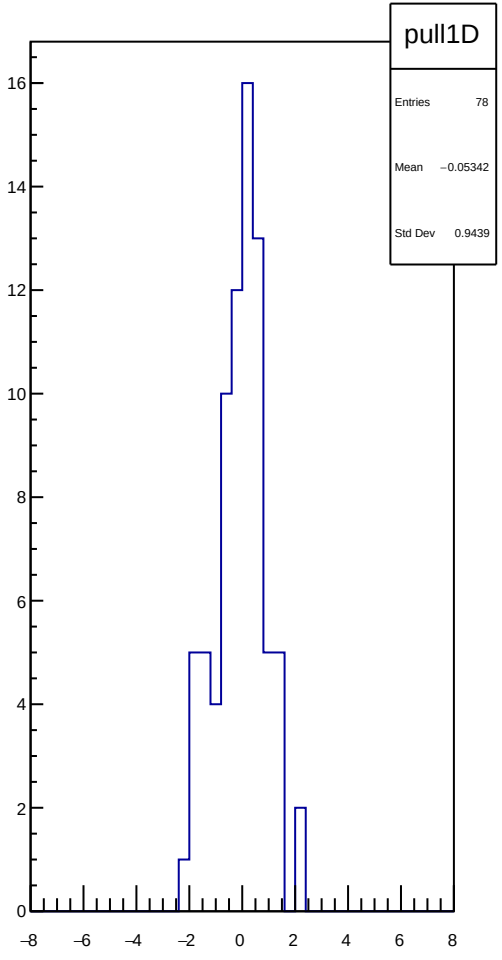

pull1D
Entries 78
Mean −0.03003
Std Dev 0.9503

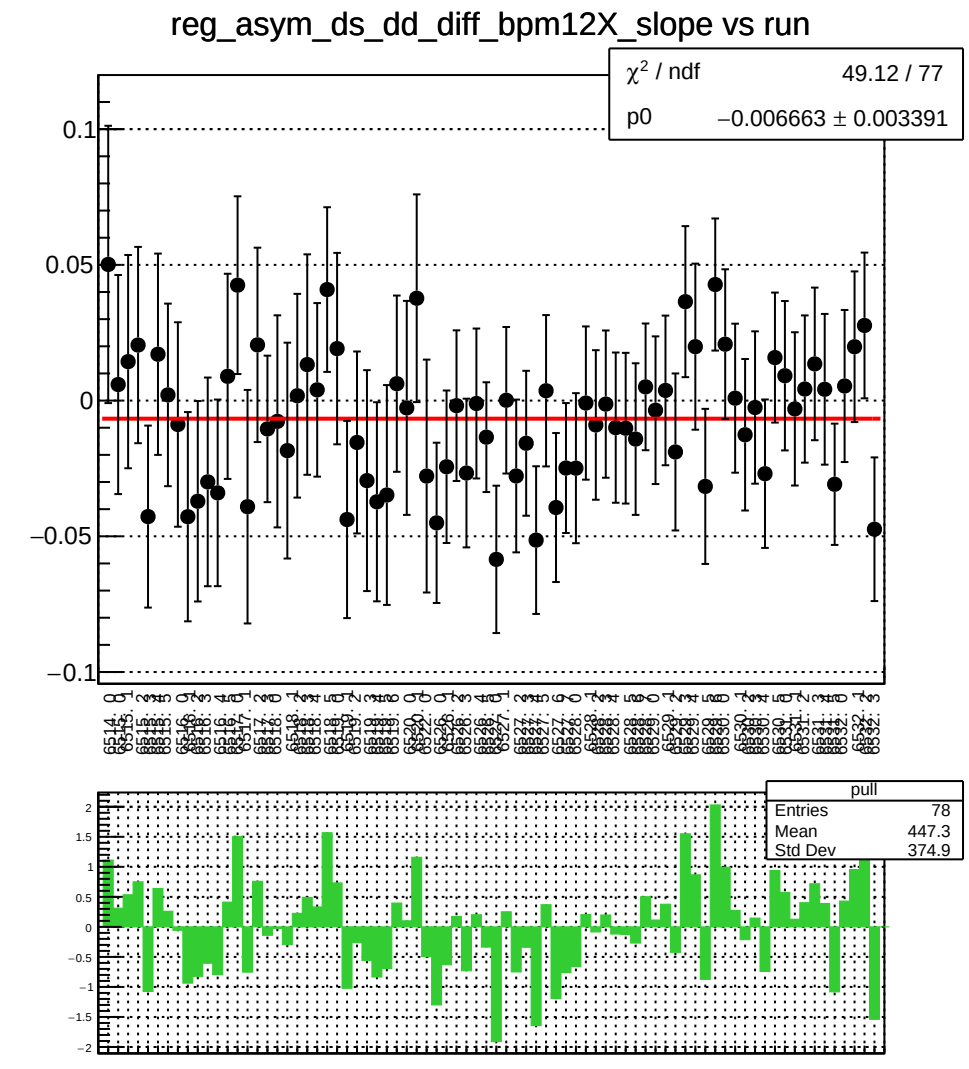

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 71.83 / 77
p0 −0.0564 ± 0.08642
pull
Entries 78
Mean 72.17
Std Dev 40.16

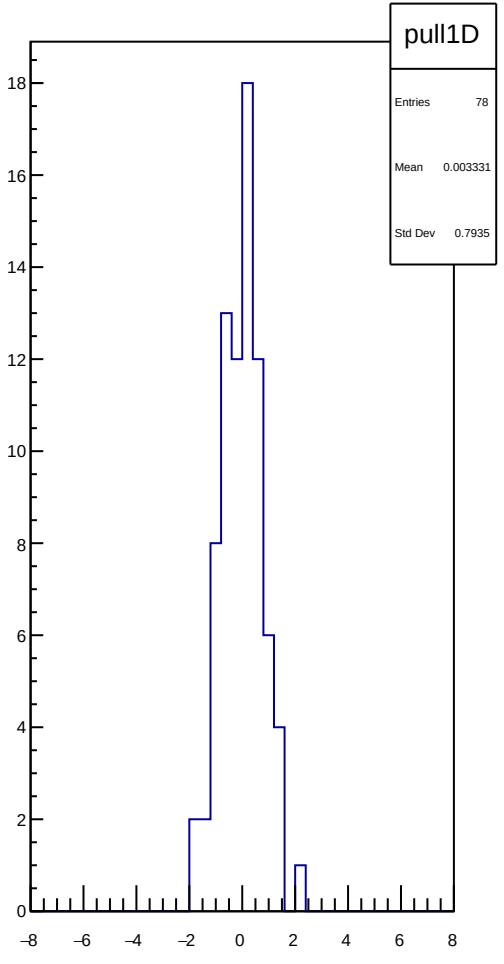

pull1D
Entries 78
Mean 0.06829
Std Dev 0.9572

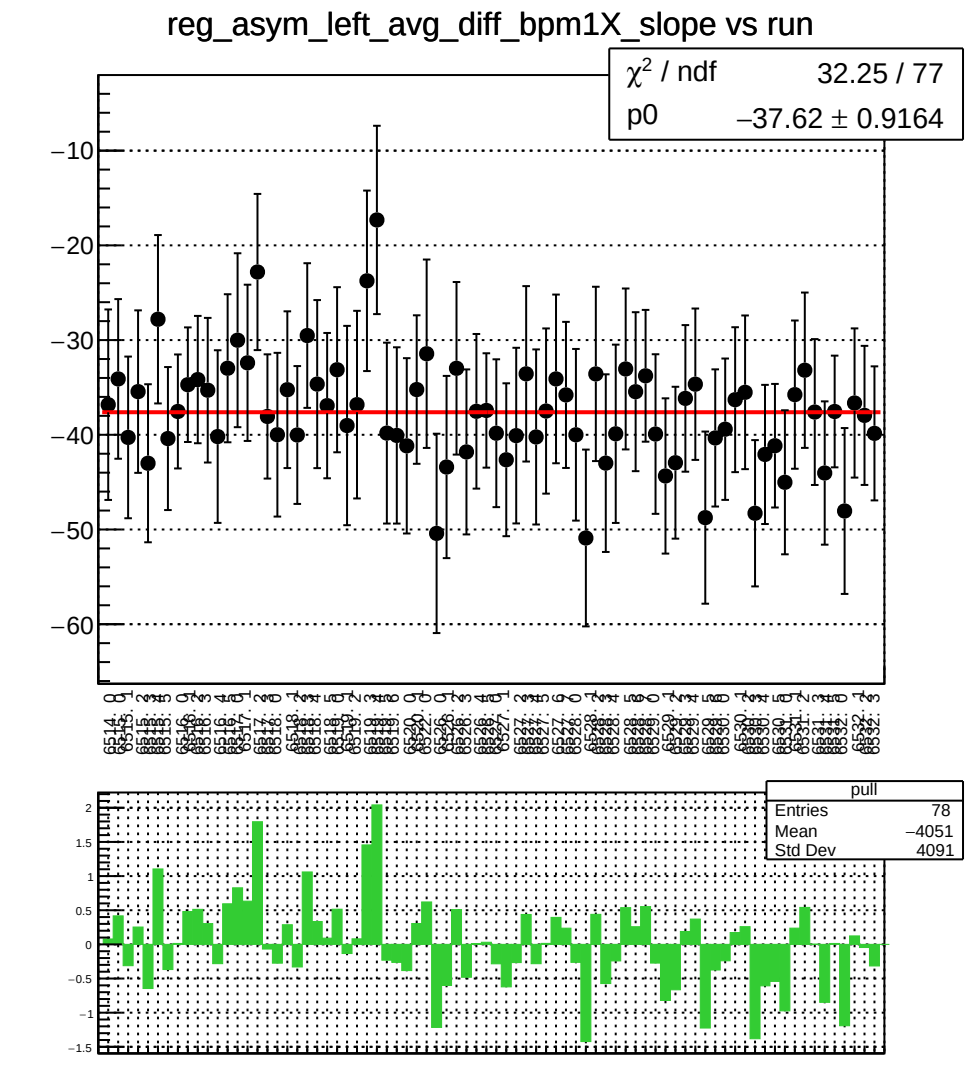

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 73.66 / 77
p0 0.0999 ± 0.08725
pull
Entries 78
Mean −31.44
Std Dev 50.71
pull1D
Entries 78
Mean 0.02852
Std Dev 0.9714

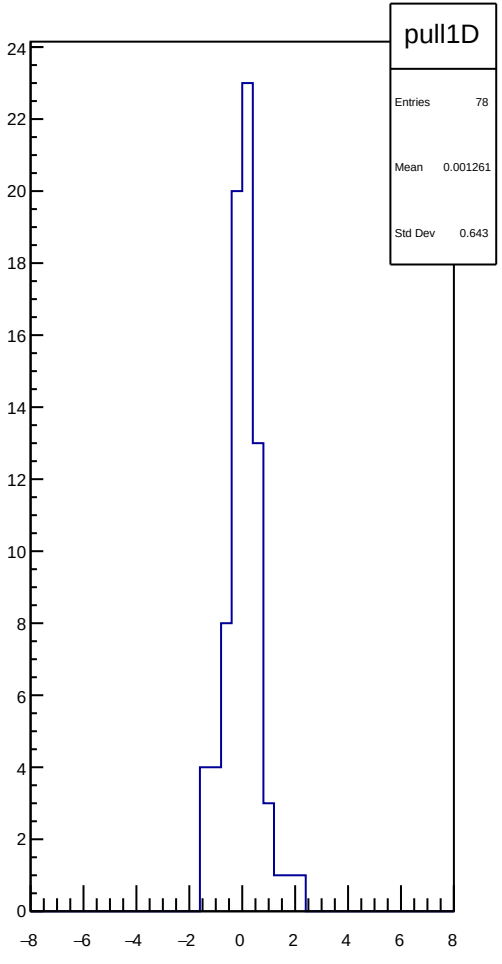

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 69.71 / 77
p0 0.05676 ± 0.09714
pull
Entries 78
Mean 73.29
Std Dev 45.18

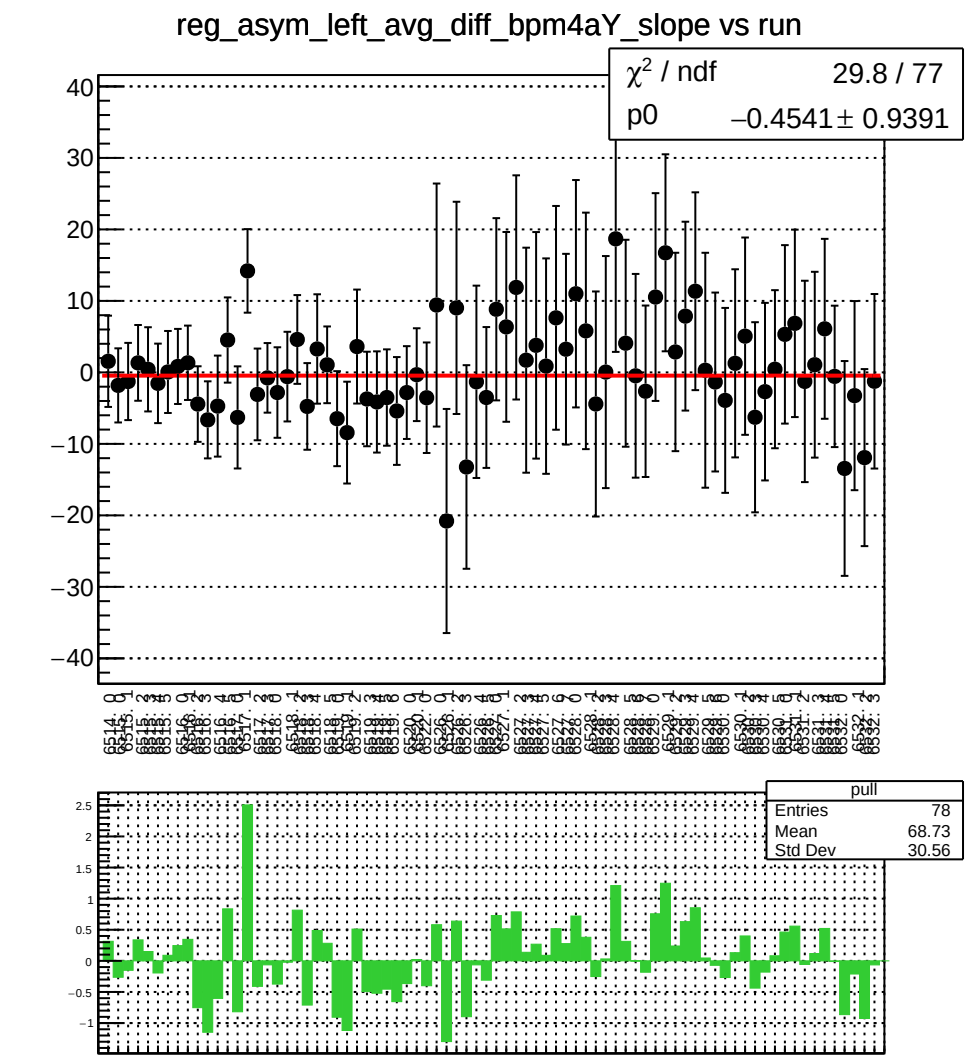

pull1D
Entries 78
Mean −0.05342
Std Dev 0.9439

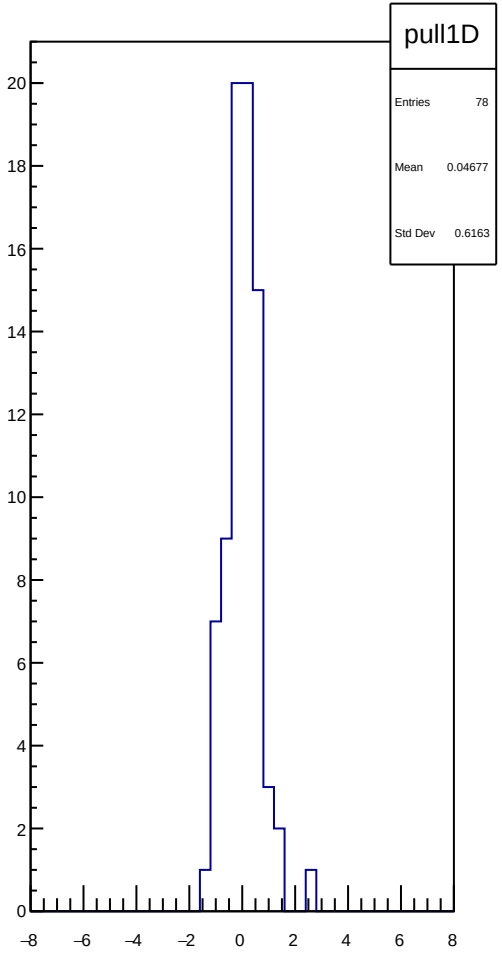

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 49.12 / 77
p0 −0.006663 ± 0.003391
pull
Entries 78
Mean 447.3
Std Dev 374.9

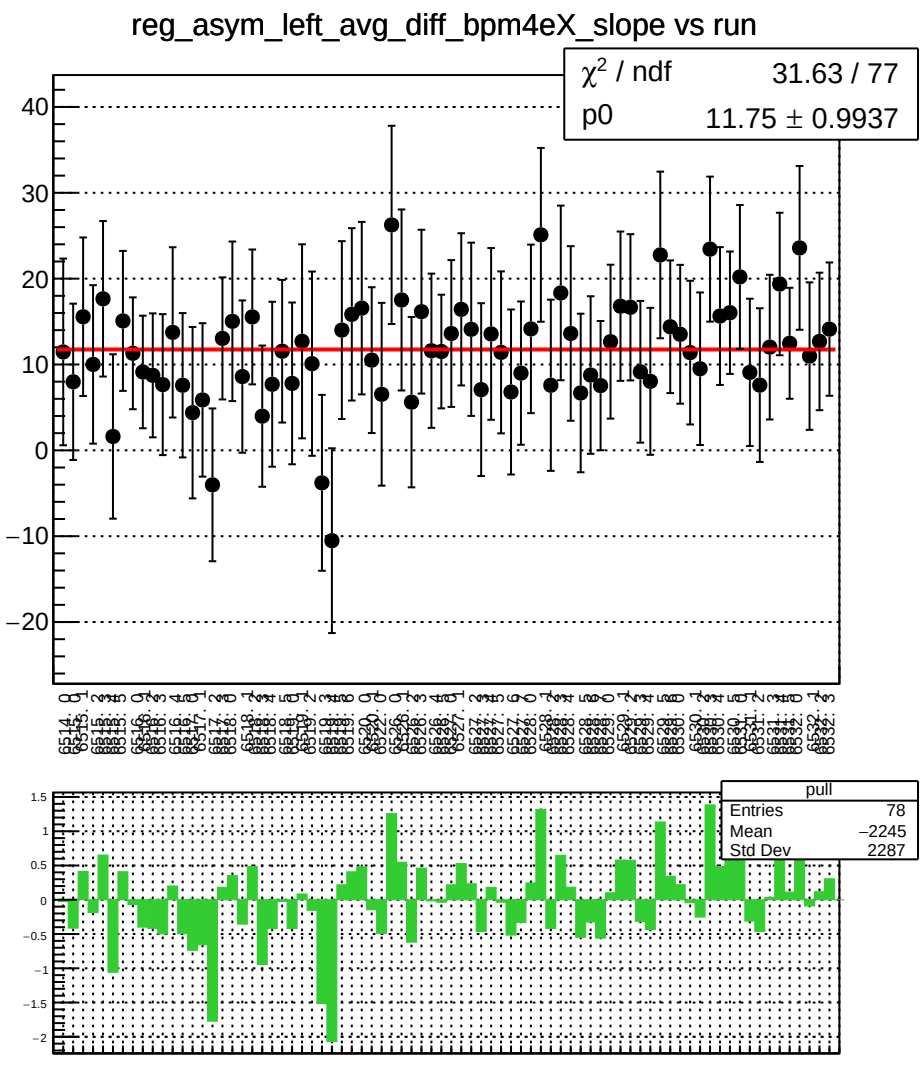

pull1D
Entries 78
Mean 0.003331
Std Dev 0.7935

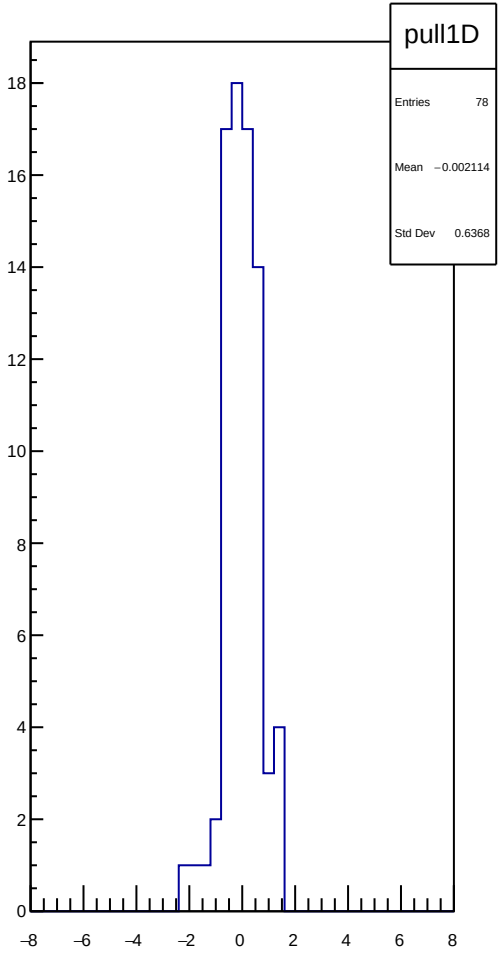

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 32.25 / 77
p0 −37.62 ± 0.9164
pull
Entries 78
Mean −4051
Std Dev 4091

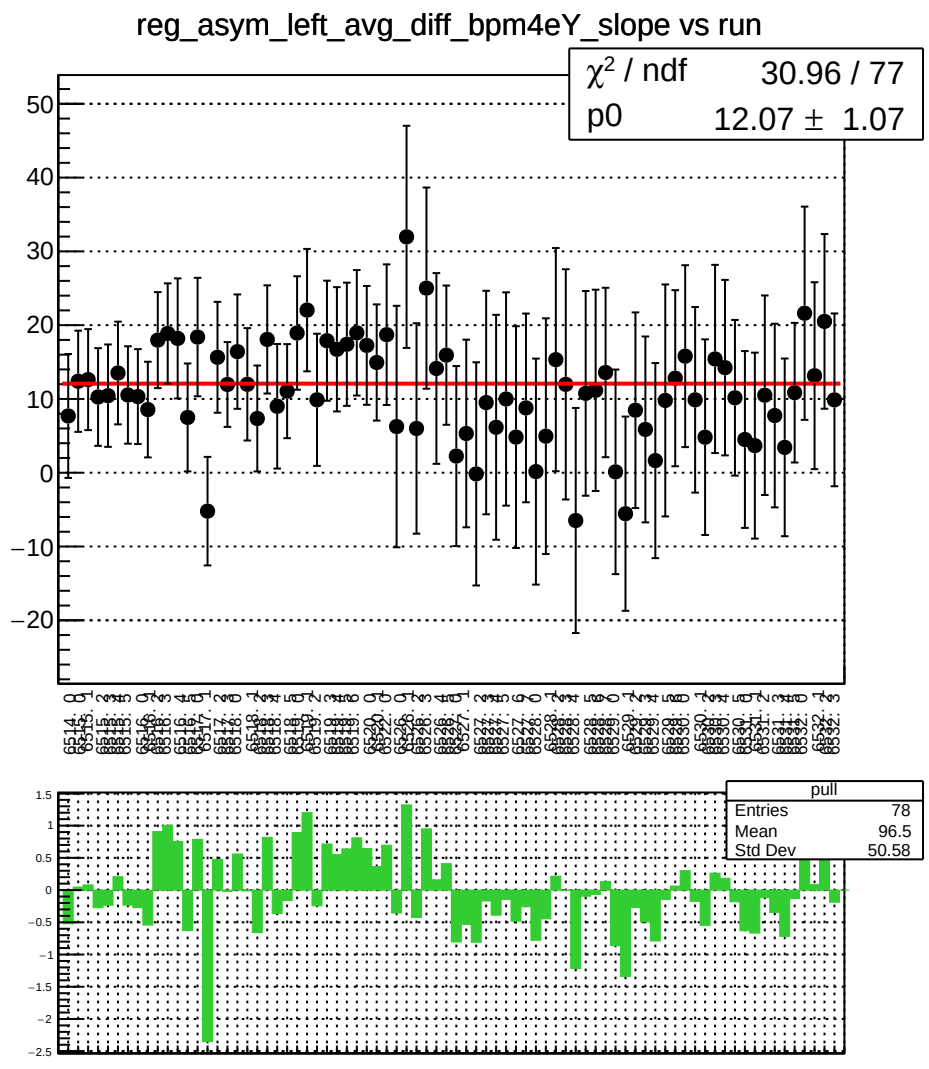

pull1D
Entries 78
Mean 0.001261
Std Dev 0.643

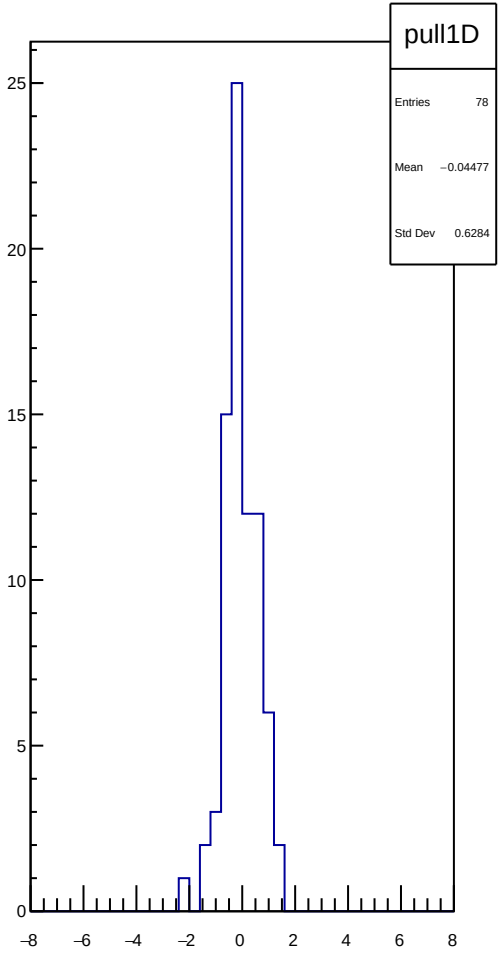

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 29.8 / 77
p0 −0.4541 ± 0.9391
pull
Entries 78
Mean 68.73
Std Dev 30.56

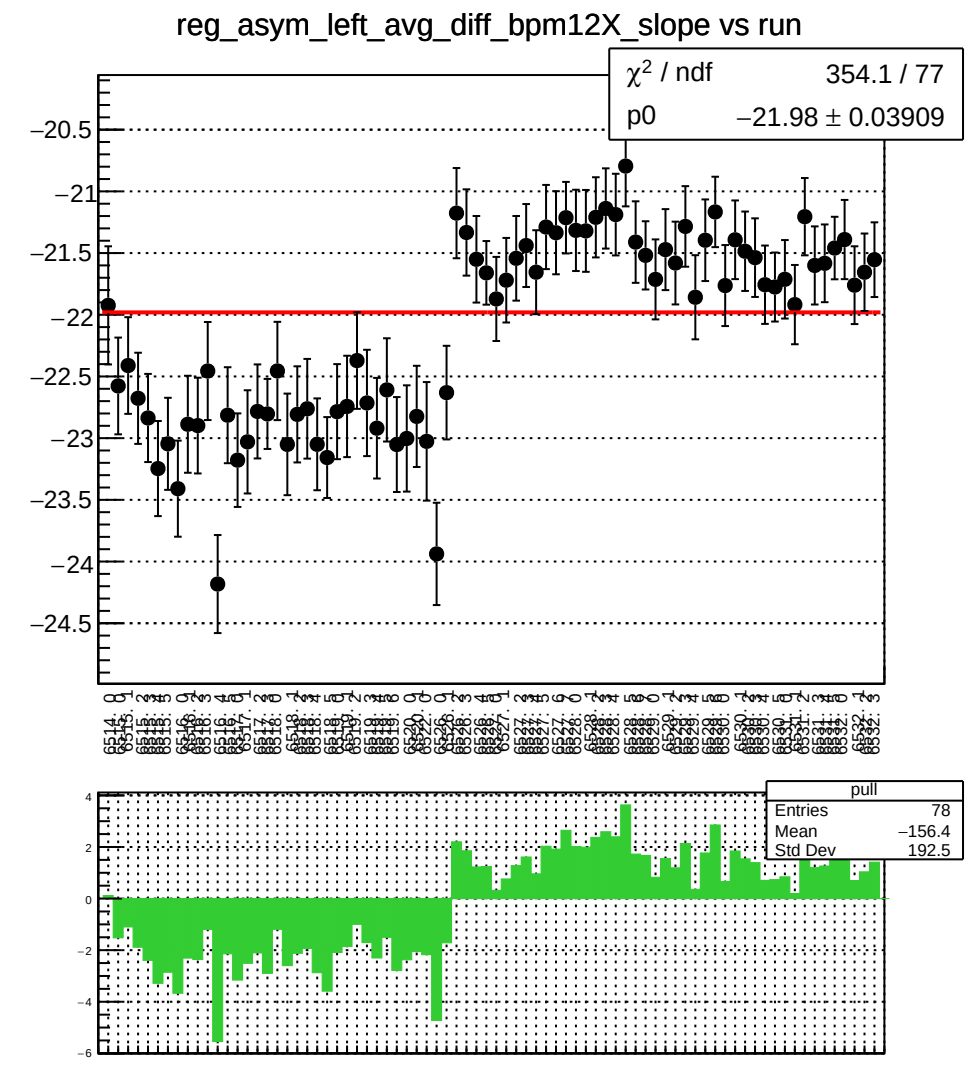

pull1D
Entries 78
Mean 0.04677
Std Dev 0.6163

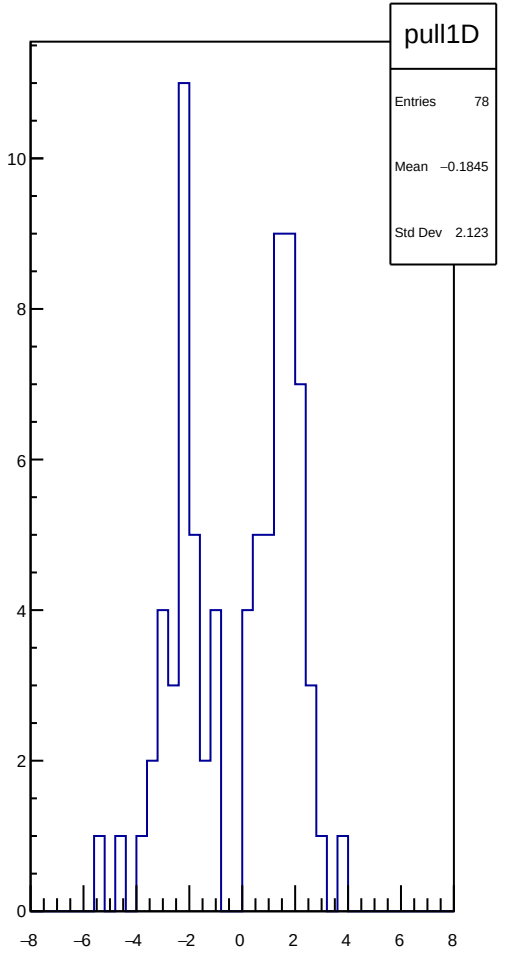

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 31.63 / 77
p0 11.75 ± 0.9937
pull
Entries 78
Mean −2245
Std Dev 2287

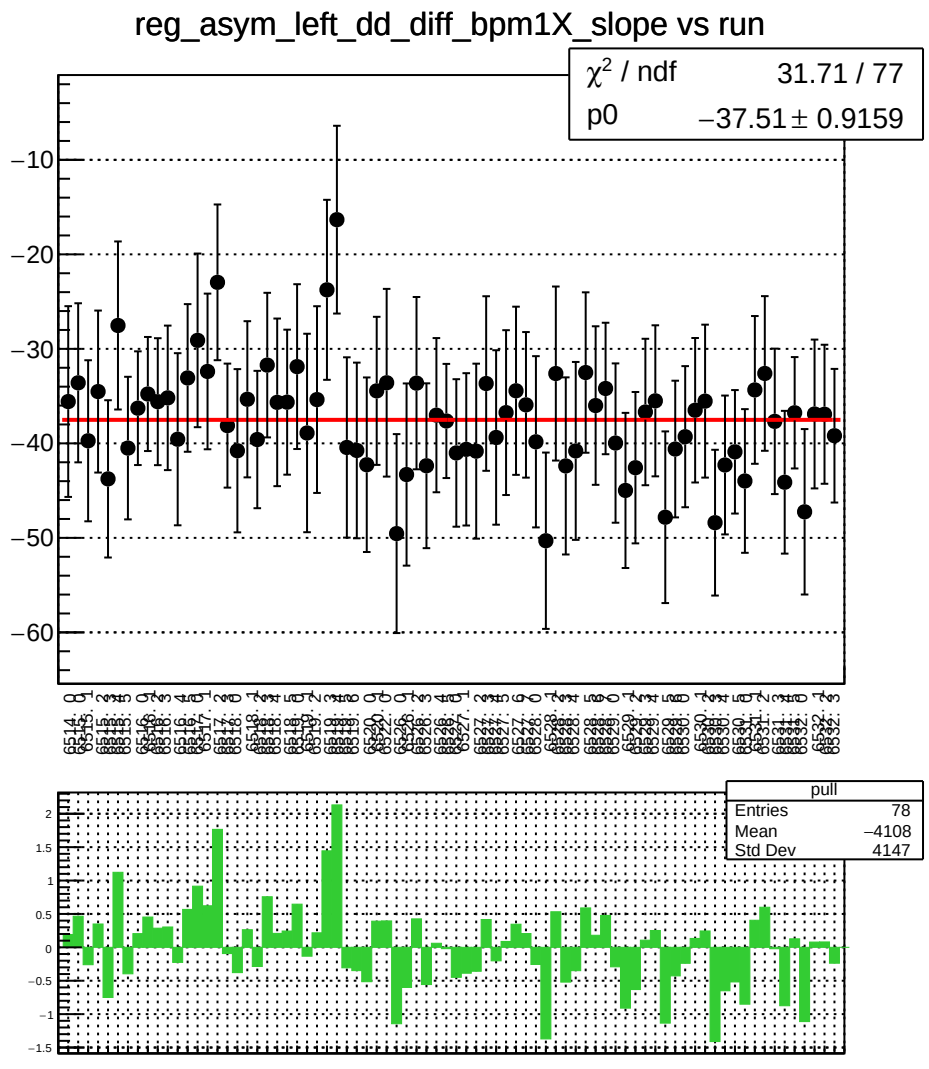

pull1D
Entries 78
Mean −0.002114
Std Dev 0.6368

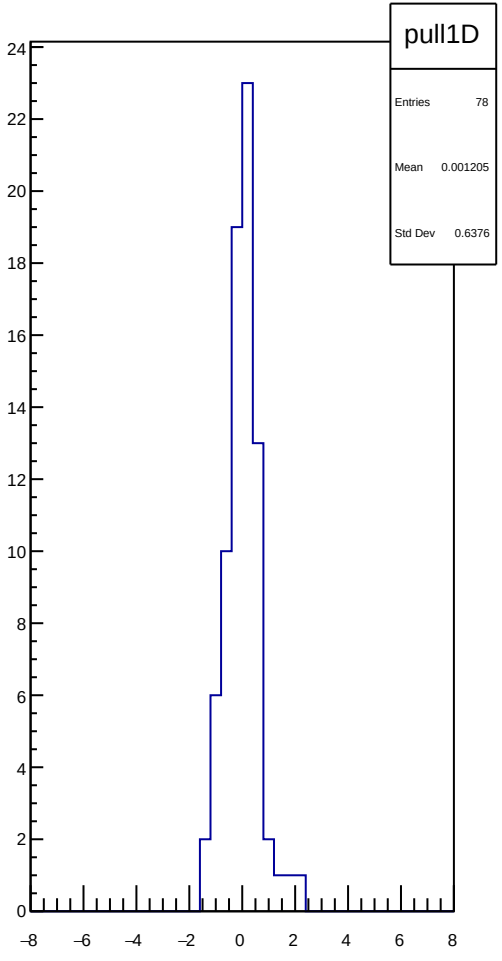

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 30.96 / 77
p0 12.07 ± 1.07
pull
Entries 78
Mean 96.5
Std Dev 50.58

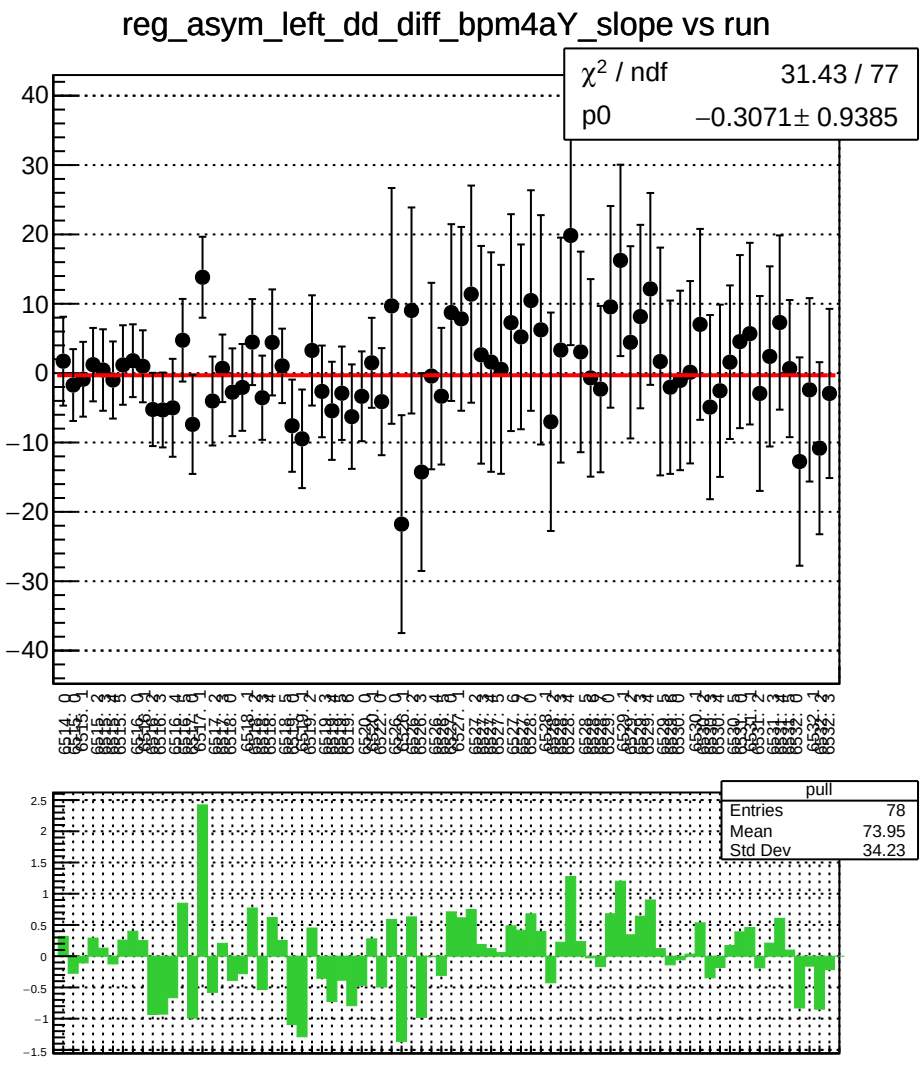

pull1D
Entries 78
Mean −0.04477
Std Dev 0.6284

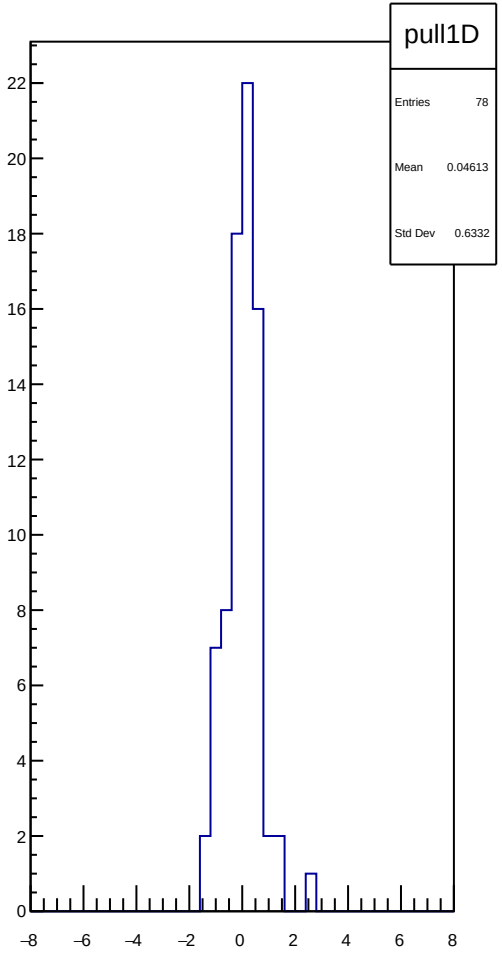

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 354.1 / 77
p0 −21.98 ± 0.03909
pull
Entries 78
Mean −156.4
Std Dev 192.5

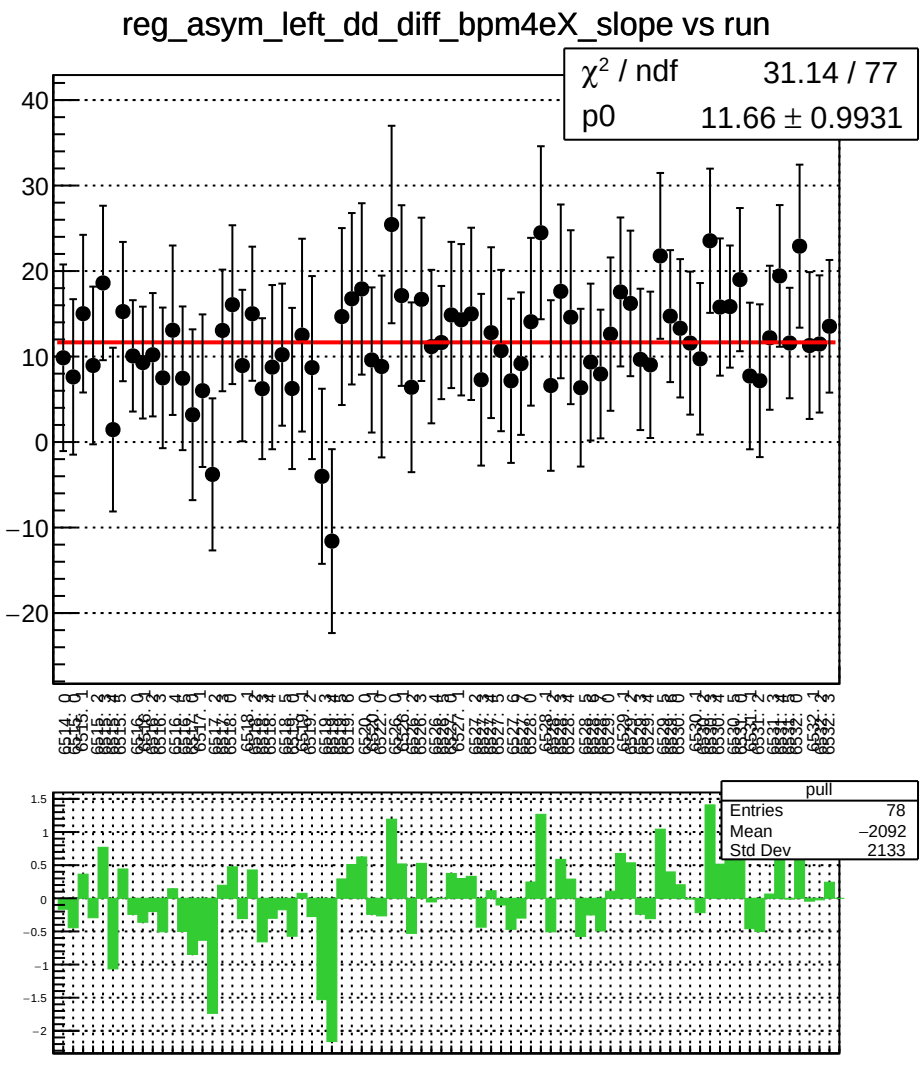

pull1D
Entries 78
Mean −0.1845
Std Dev 2.123

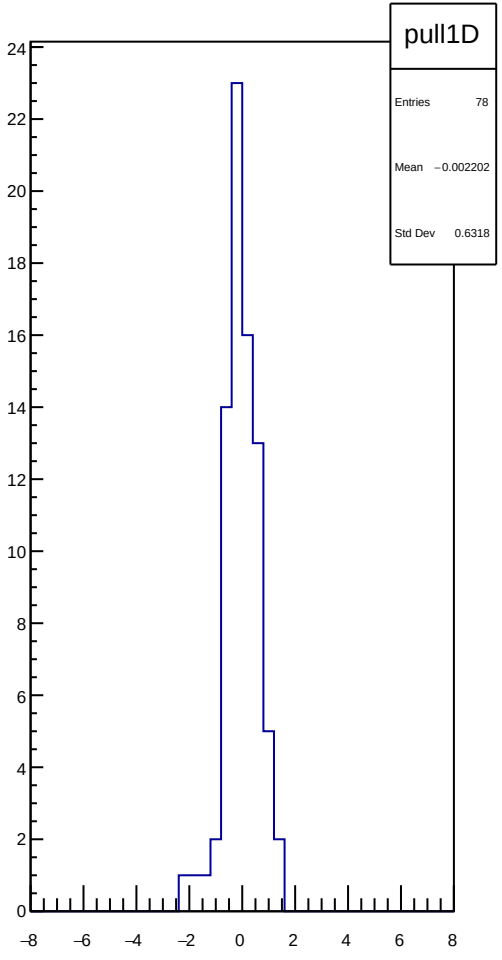

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 31.71 / 77
p0 −37.51 ± 0.9159
pull
Entries 78
Mean −4108
Std Dev 4147

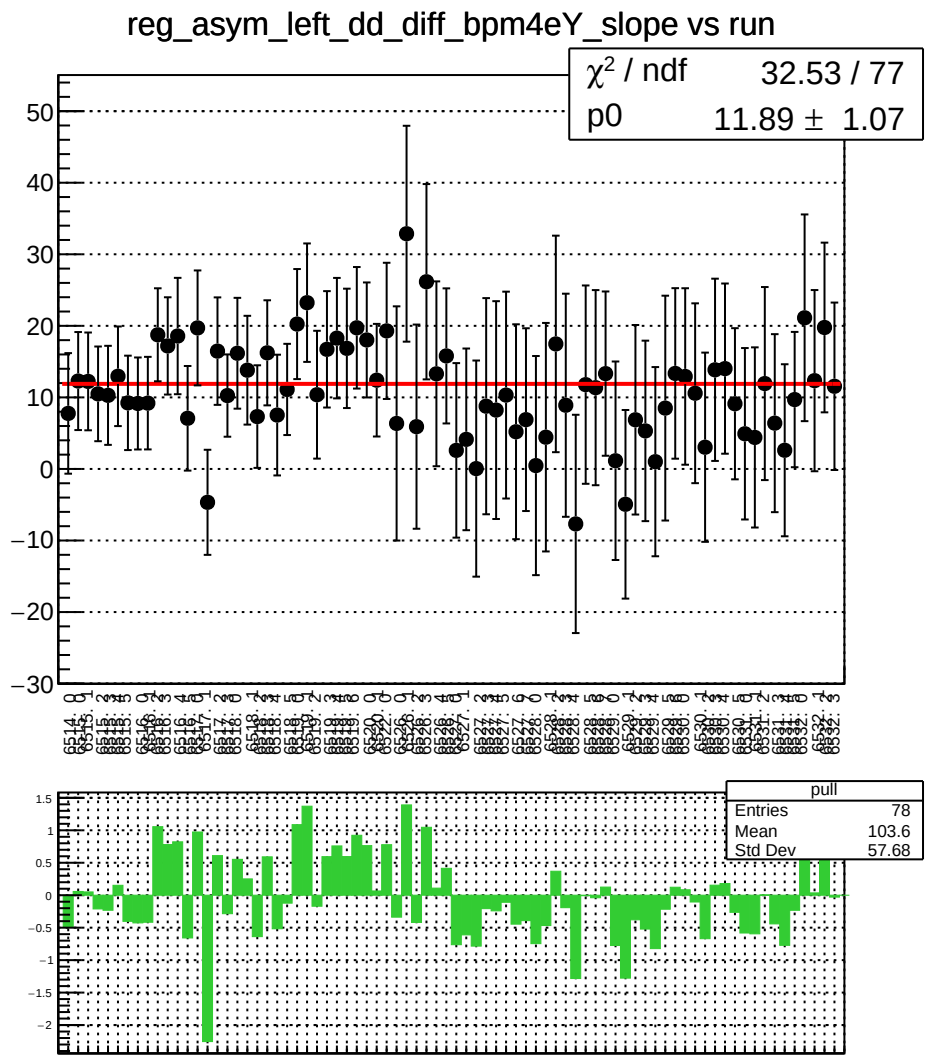

pull1D
Entries 78
Mean 0.001205
Std Dev 0.6376

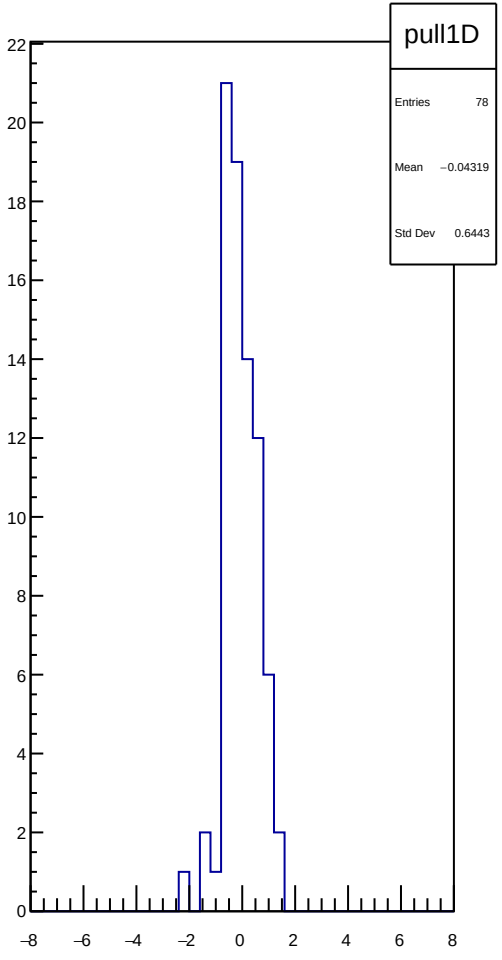

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 31.43 / 77
p0 −0.3071± 0.9385
pull
Entries 78
Mean 73.95
Std Dev 34.23

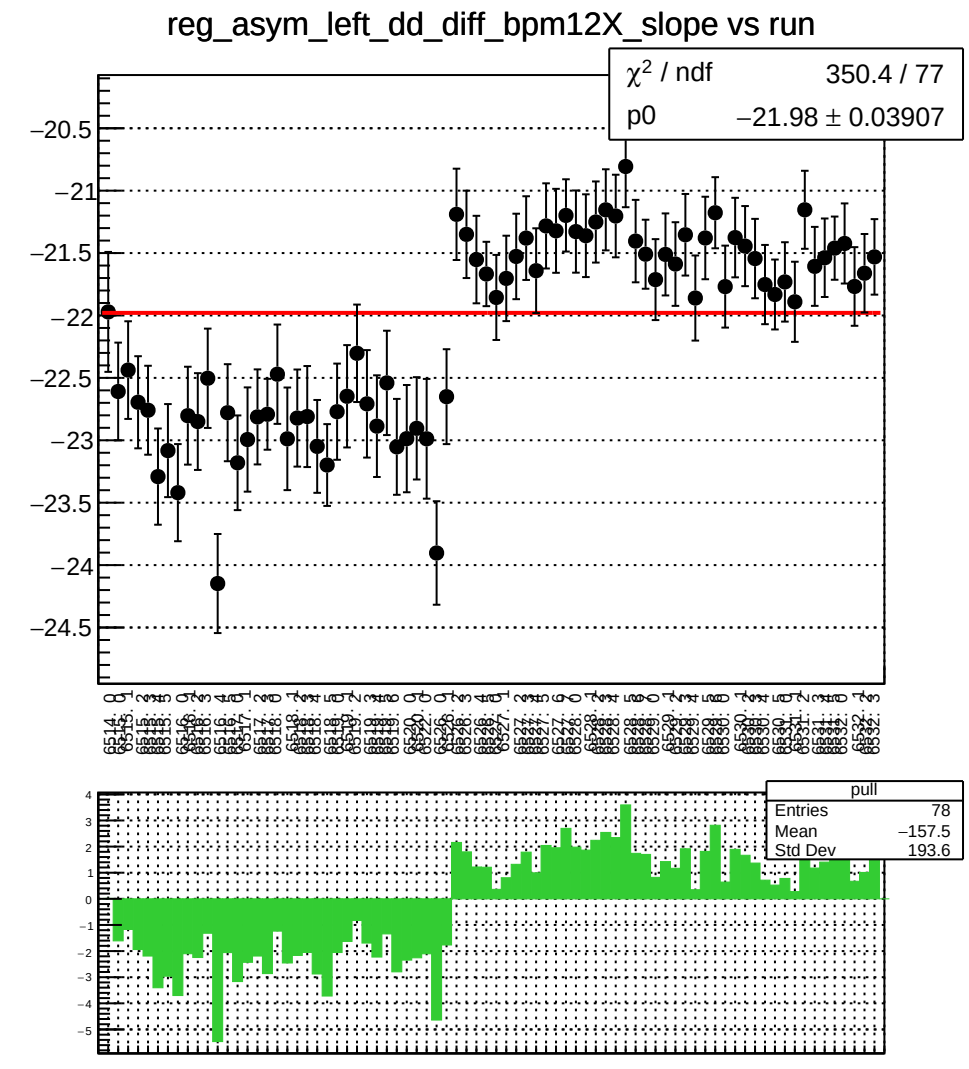

pull1D
Entries 78
Mean 0.04613
Std Dev 0.6332

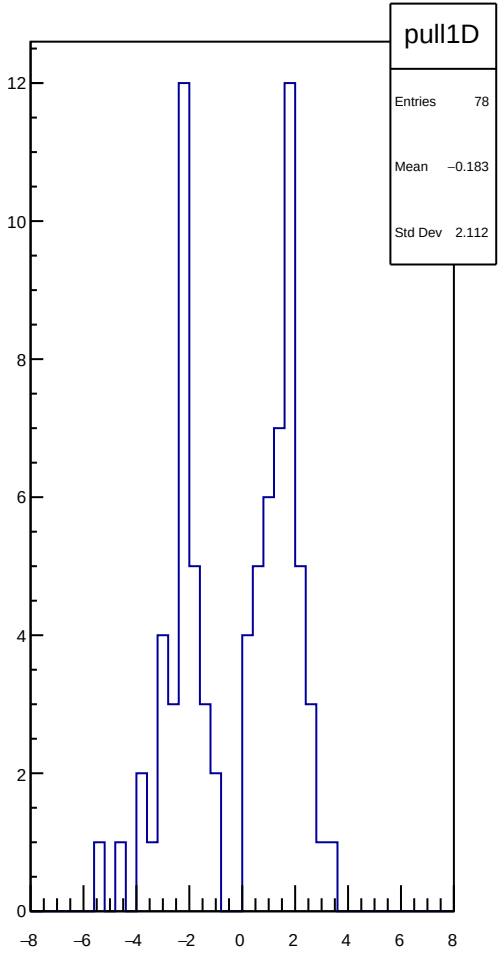

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 31.14 / 77
p0 11.66 ± 0.9931
pull
Entries 78
Mean −2092
Std Dev 2133

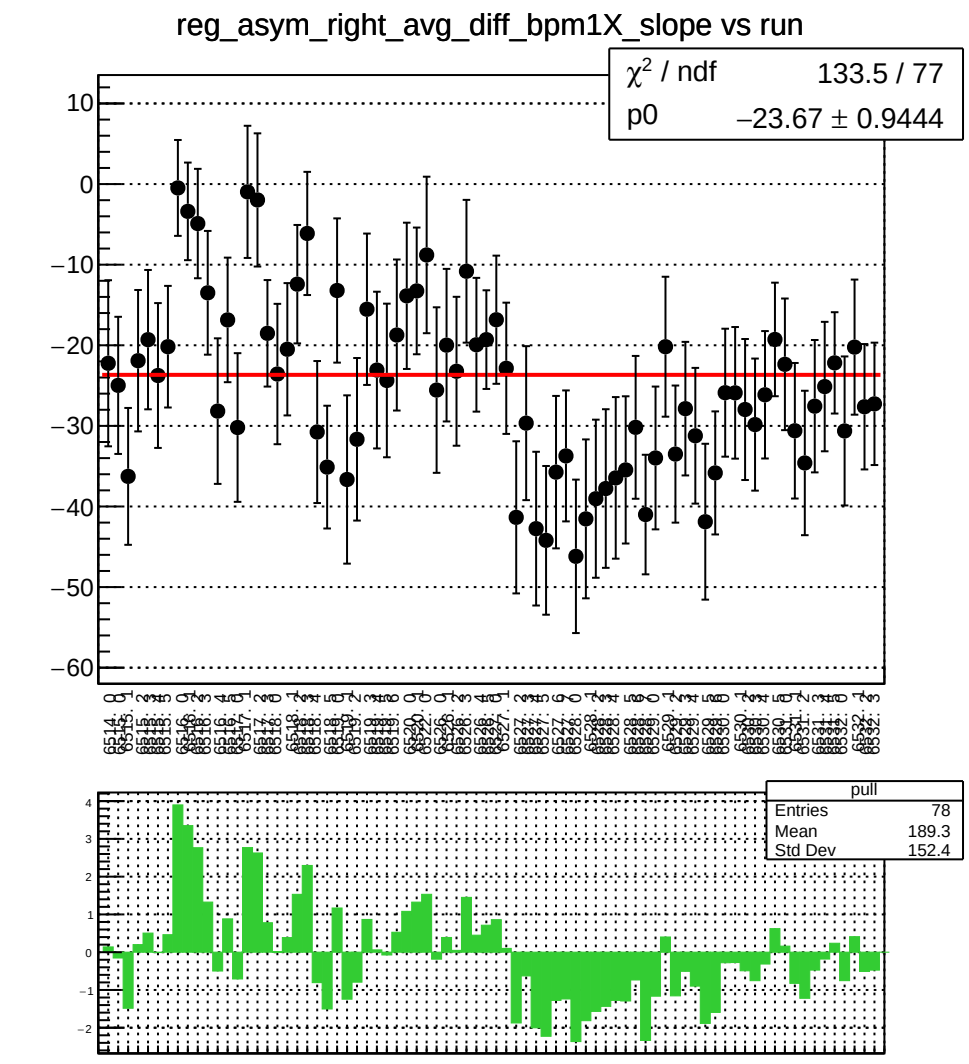

pull1D
Entries 78
Mean −0.002202
Std Dev 0.6318

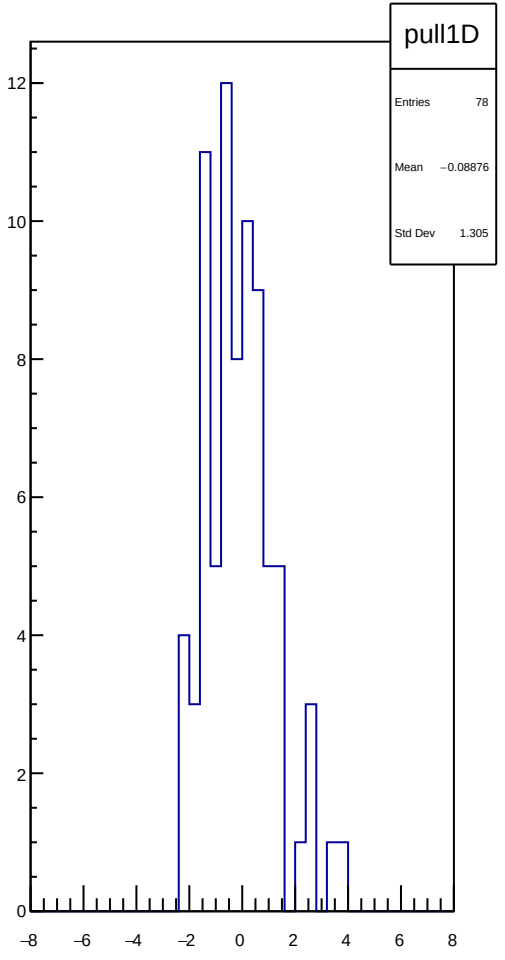

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 32.53 / 77
p0 11.89 ± 1.07
pull
Entries 78
Mean 103.6
Std Dev 57.68

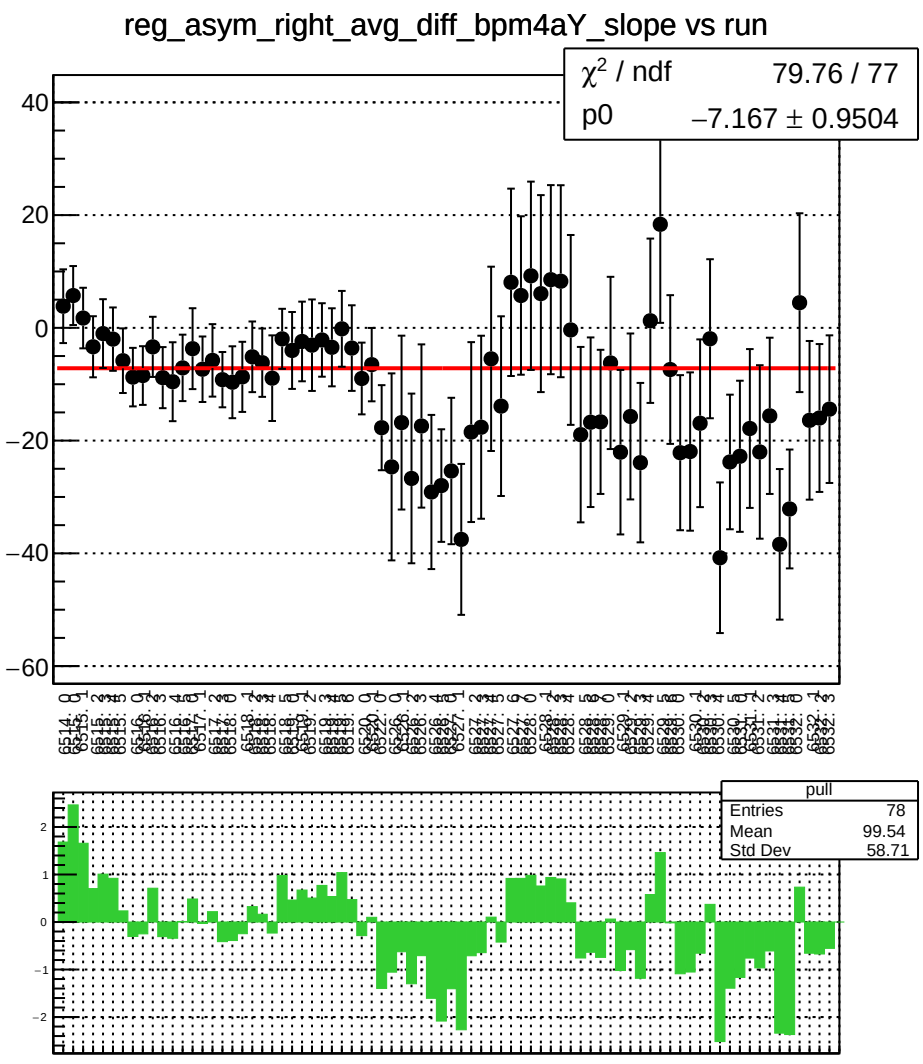

pull1D
Entries 78
Mean −0.04319
Std Dev 0.6443

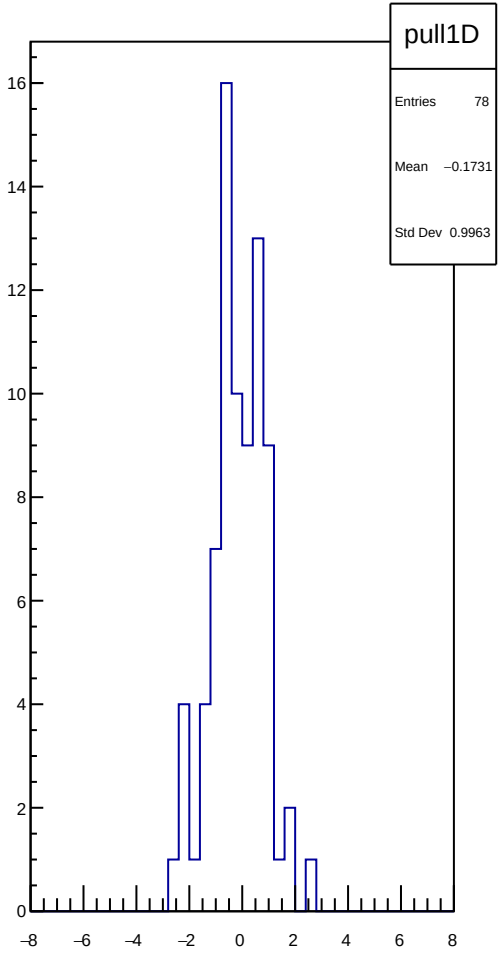

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 350.4 / 77
p0 −21.98 ± 0.03907
pull
Entries 78
Mean −157.5
Std Dev 193.6

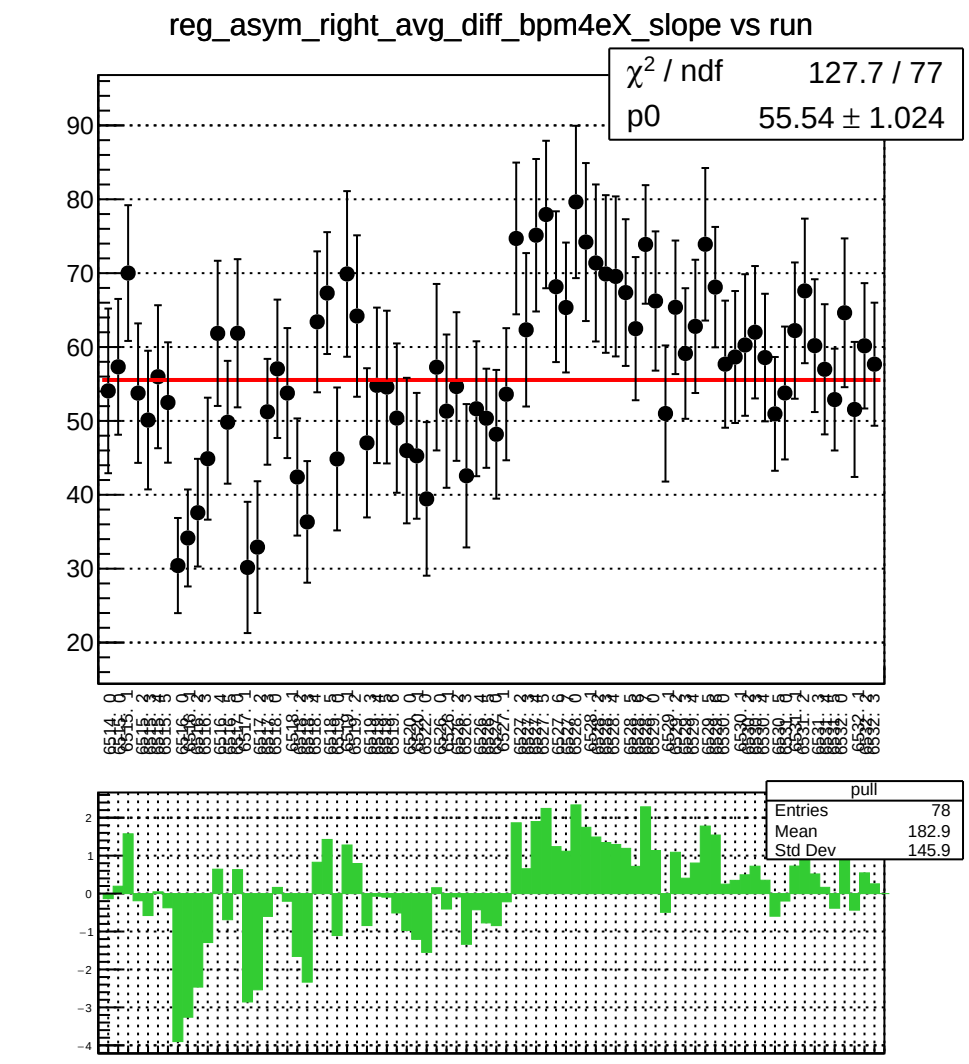

pull1D
Entries 78
Mean −0.183
Std Dev 2.112

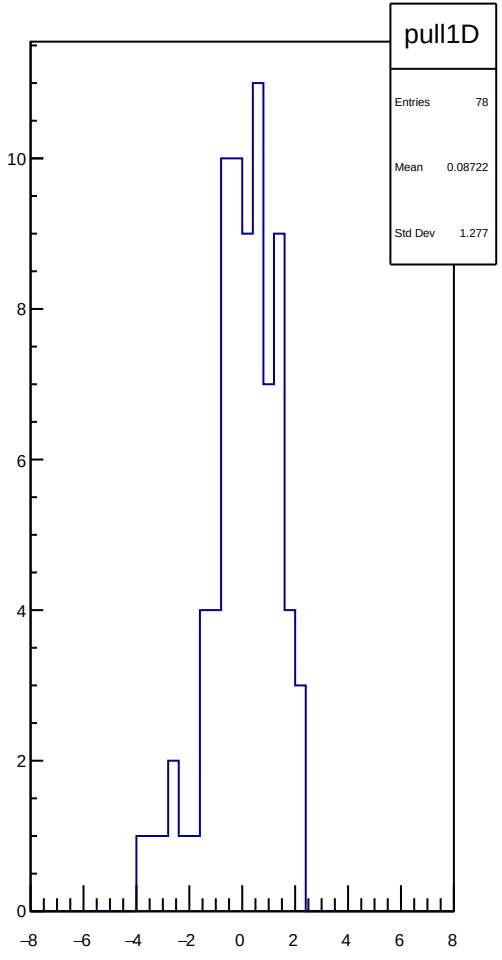

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 133.5 / 77
p0 −23.67 ± 0.9444
pull
Entries 78
Mean 189.3
Std Dev 152.4

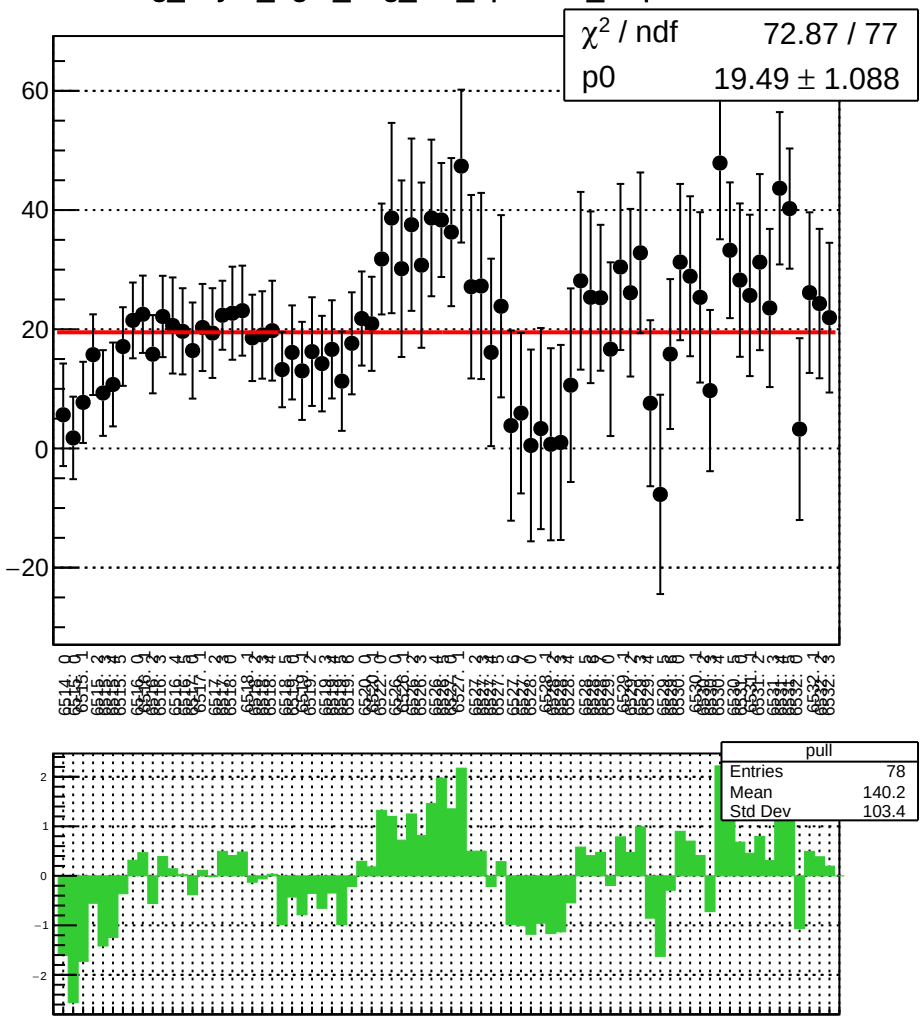

pull1D
Entries 78
Mean −0.08876
Std Dev 1.305

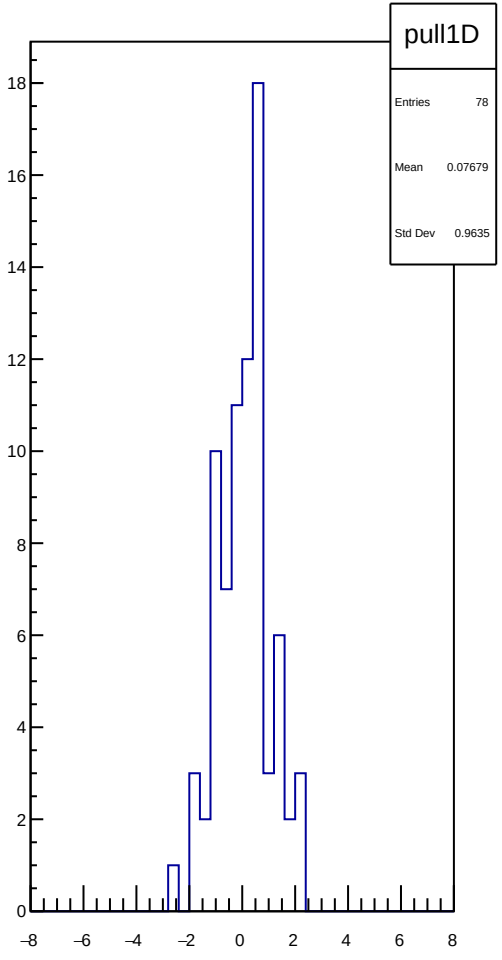

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 79.76 / 77
p0 −7.167 ± 0.9504
pull
Entries 78
Mean 99.54
Std Dev 58.71

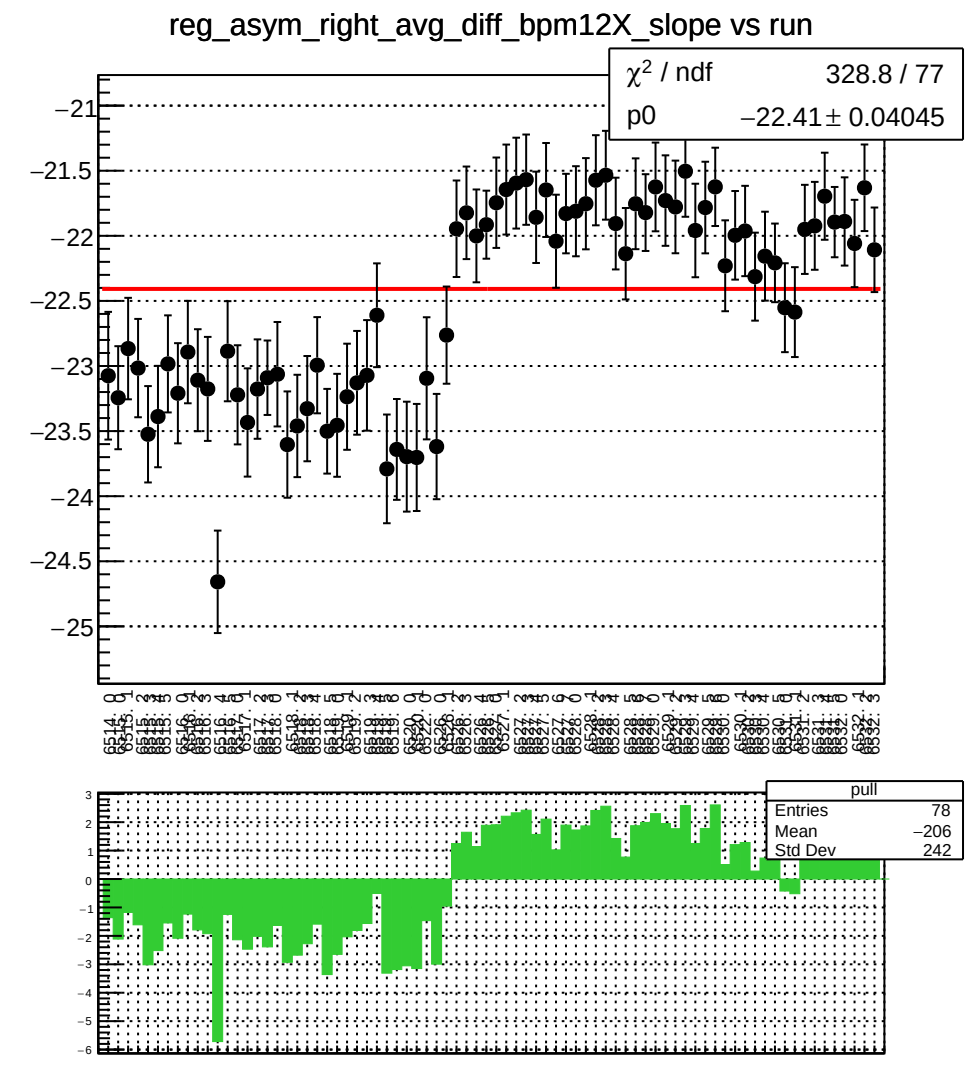

pull1D
Entries 78
Mean −0.1731
Std Dev 0.9963

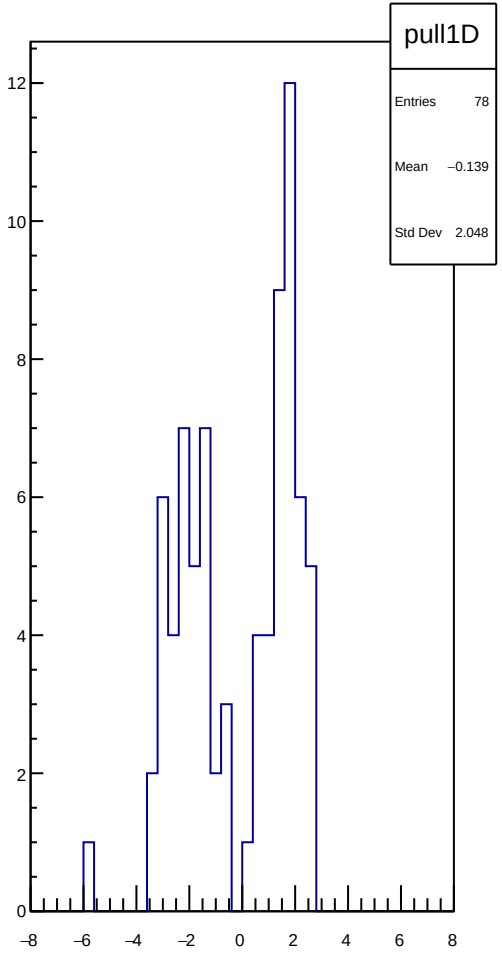

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 127.7 / 77
p0 55.54 ± 1.024
pull
Entries 78
Mean 182.9
Std Dev 145.9

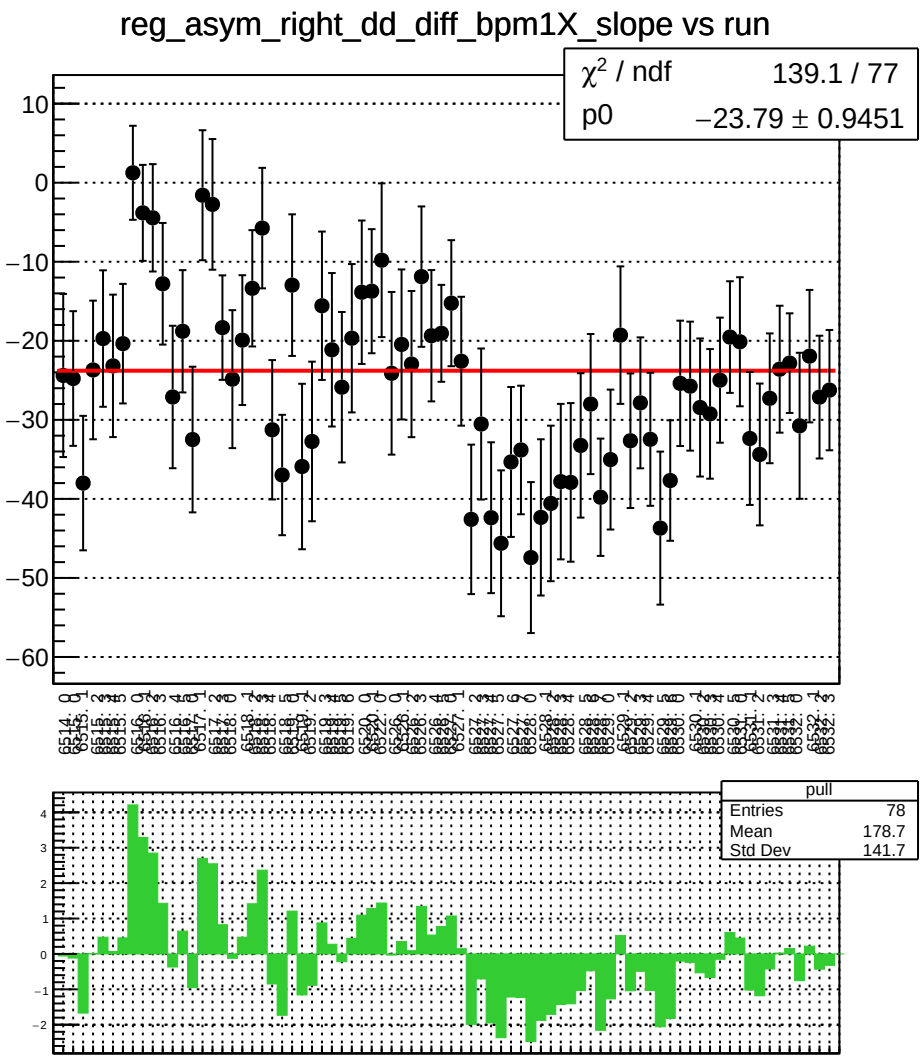

pull1D
Entries 78
Mean 0.08722
Std Dev 1.277

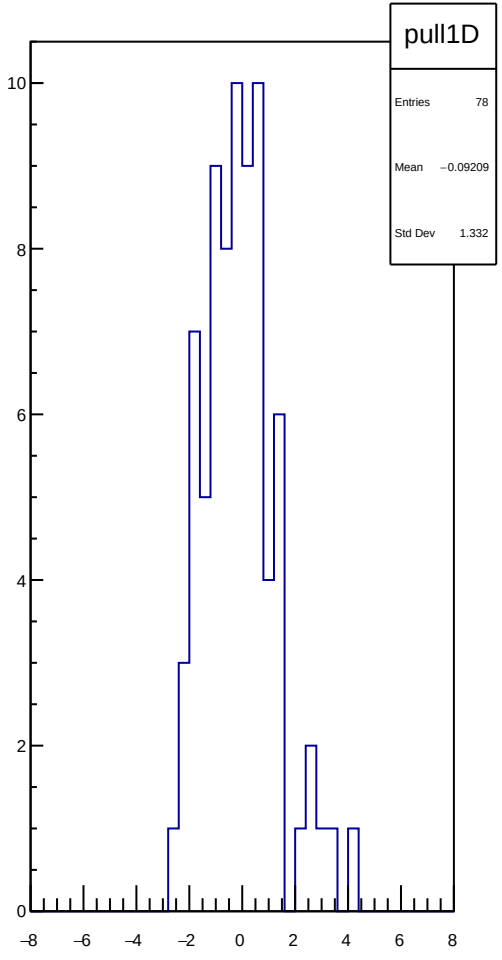

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 72.87 / 77
p0 19.49 ± 1.088
pull
Entries 78
Mean 140.2
Std Dev 103.4

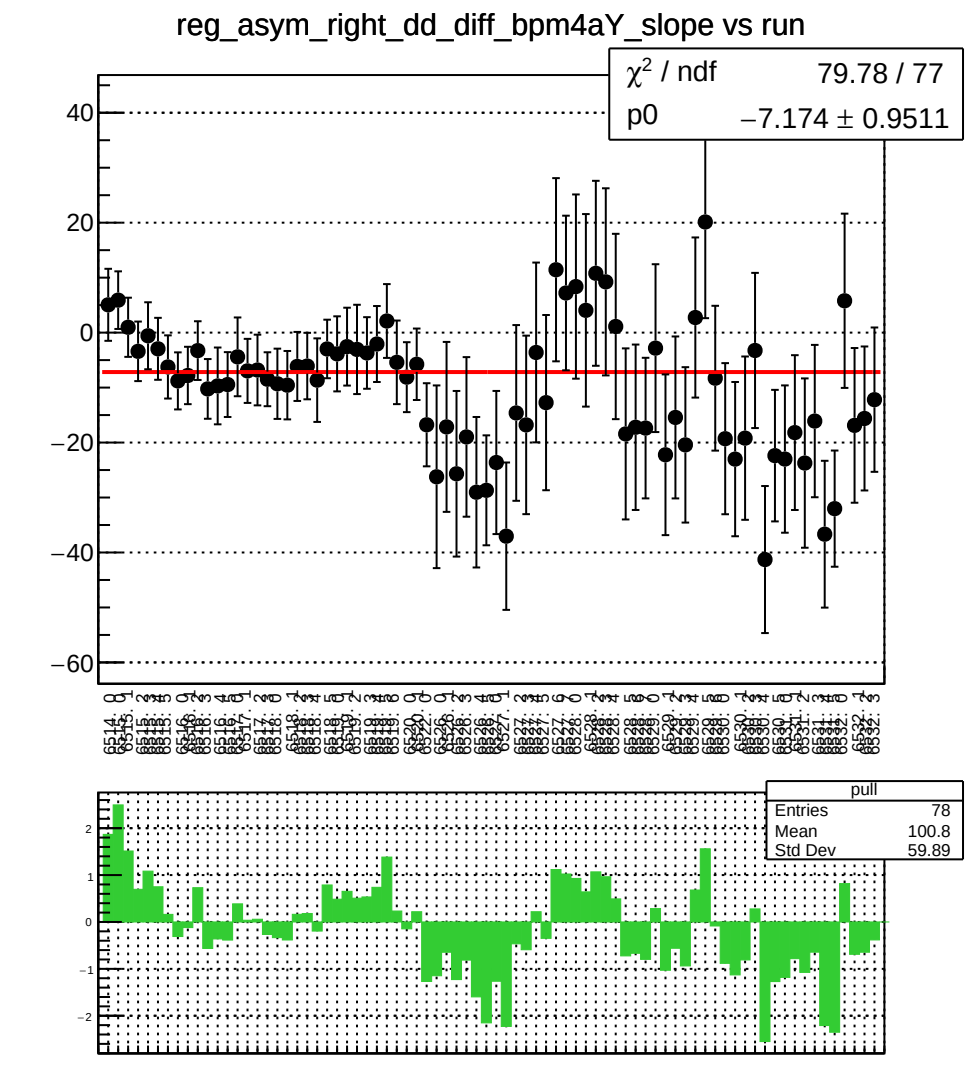

pull1D
Entries 78
Mean 0.07679
Std Dev 0.9635

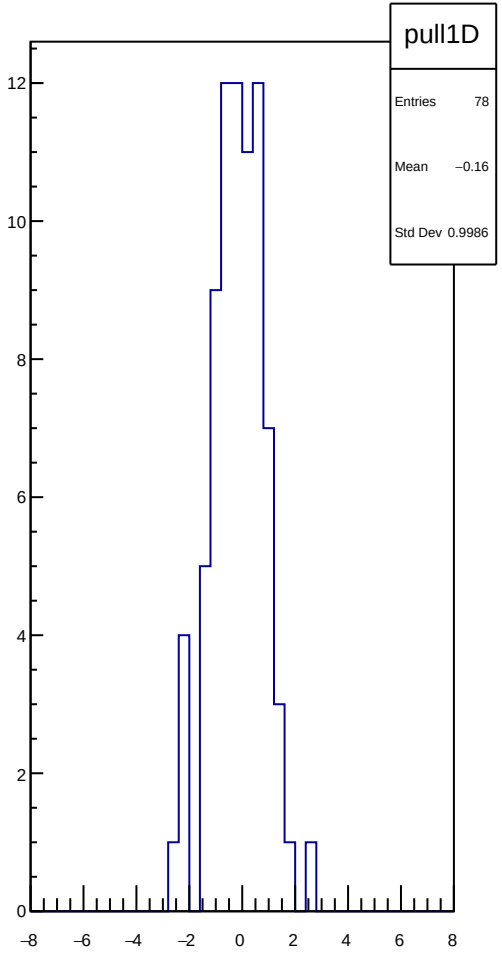

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 328.8 / 77
p0 −22.41 ± 0.04045
pull
Entries 78
Mean −206
Std Dev 242

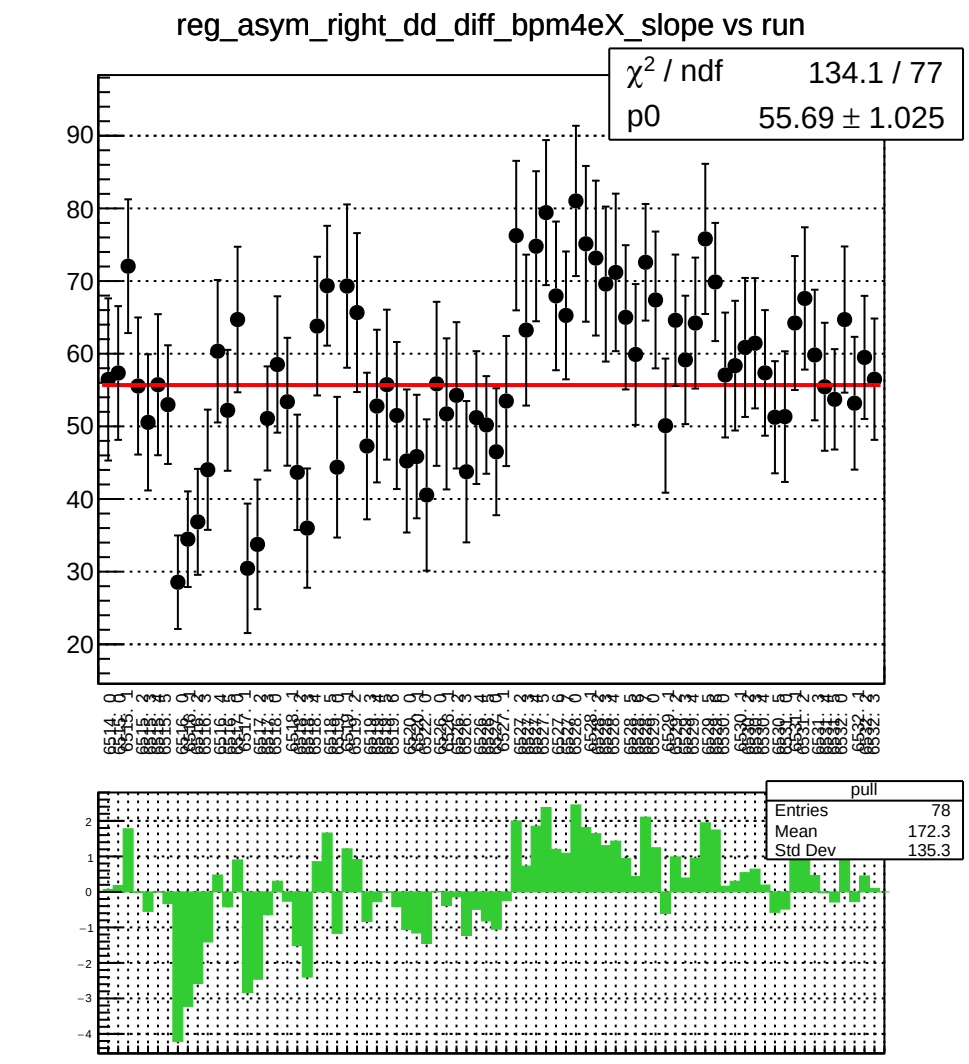

pull1D
Entries 78
Mean −0.139
Std Dev 2.048

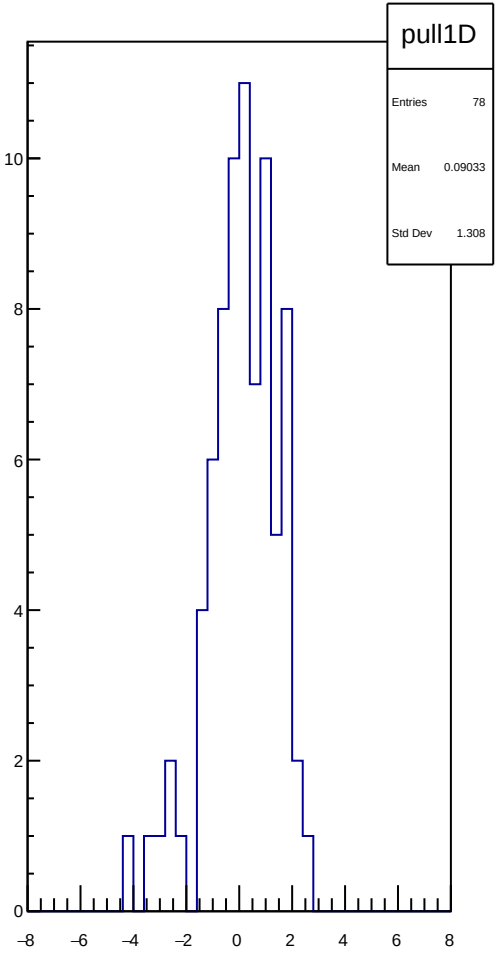

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 139.1 / 77
p0 −23.79 ± 0.9451
pull
Entries 78
Mean 178.7
Std Dev 141.7

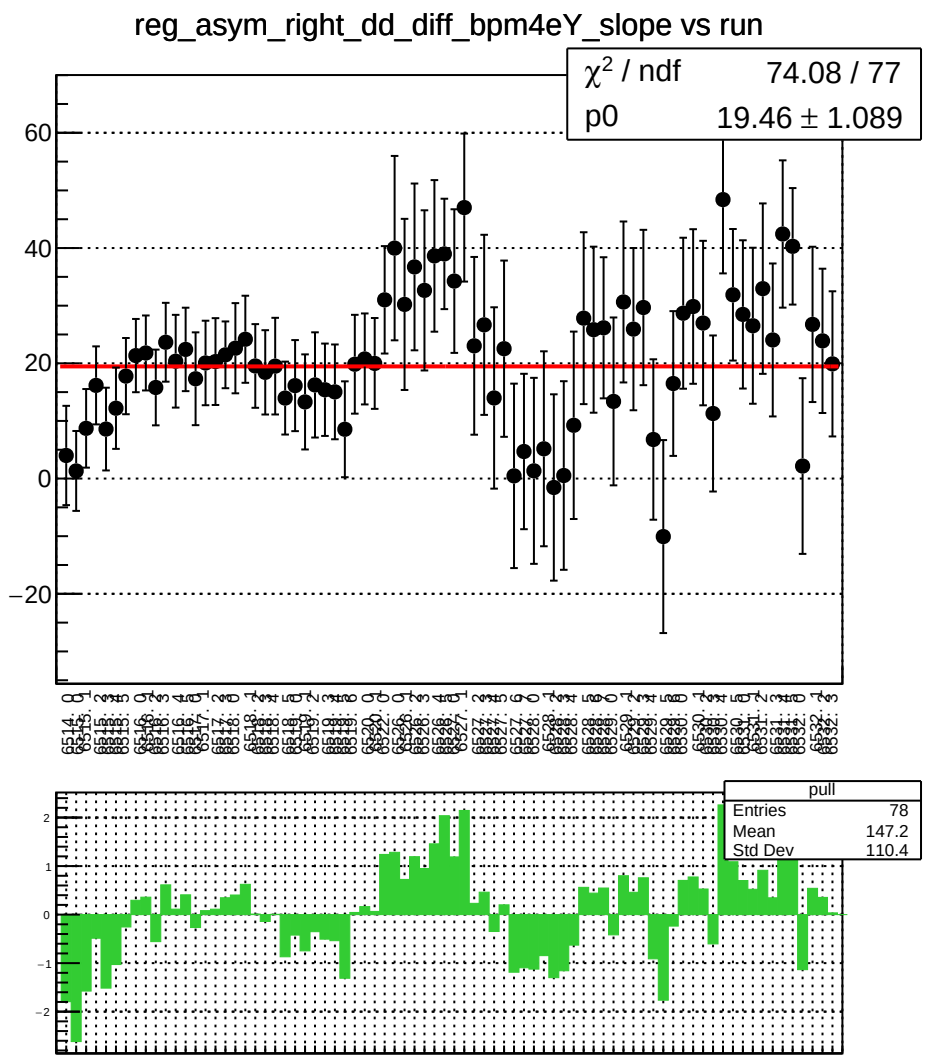

pull1D
Entries 78
Mean −0.09209
Std Dev 1.332

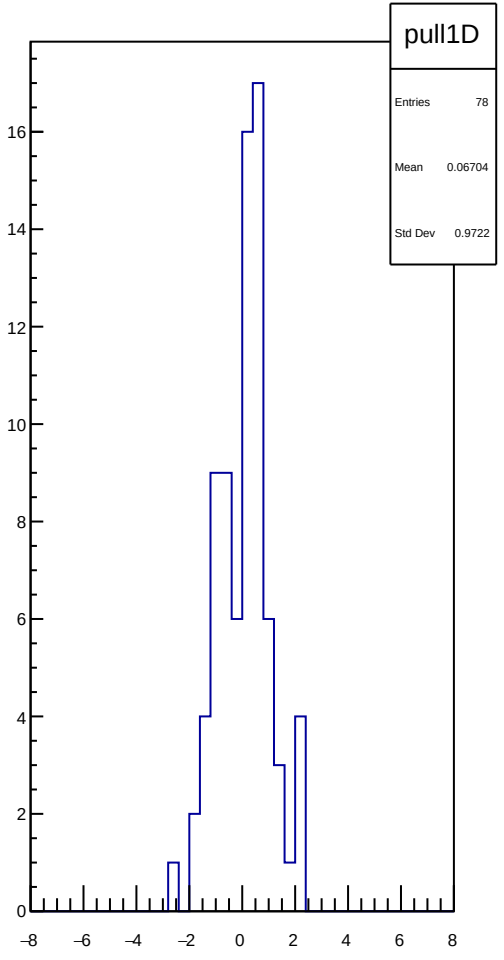

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 79.78 / 77
p0 −7.174 ± 0.9511
pull
Entries 78
Mean 100.8
Std Dev 59.89

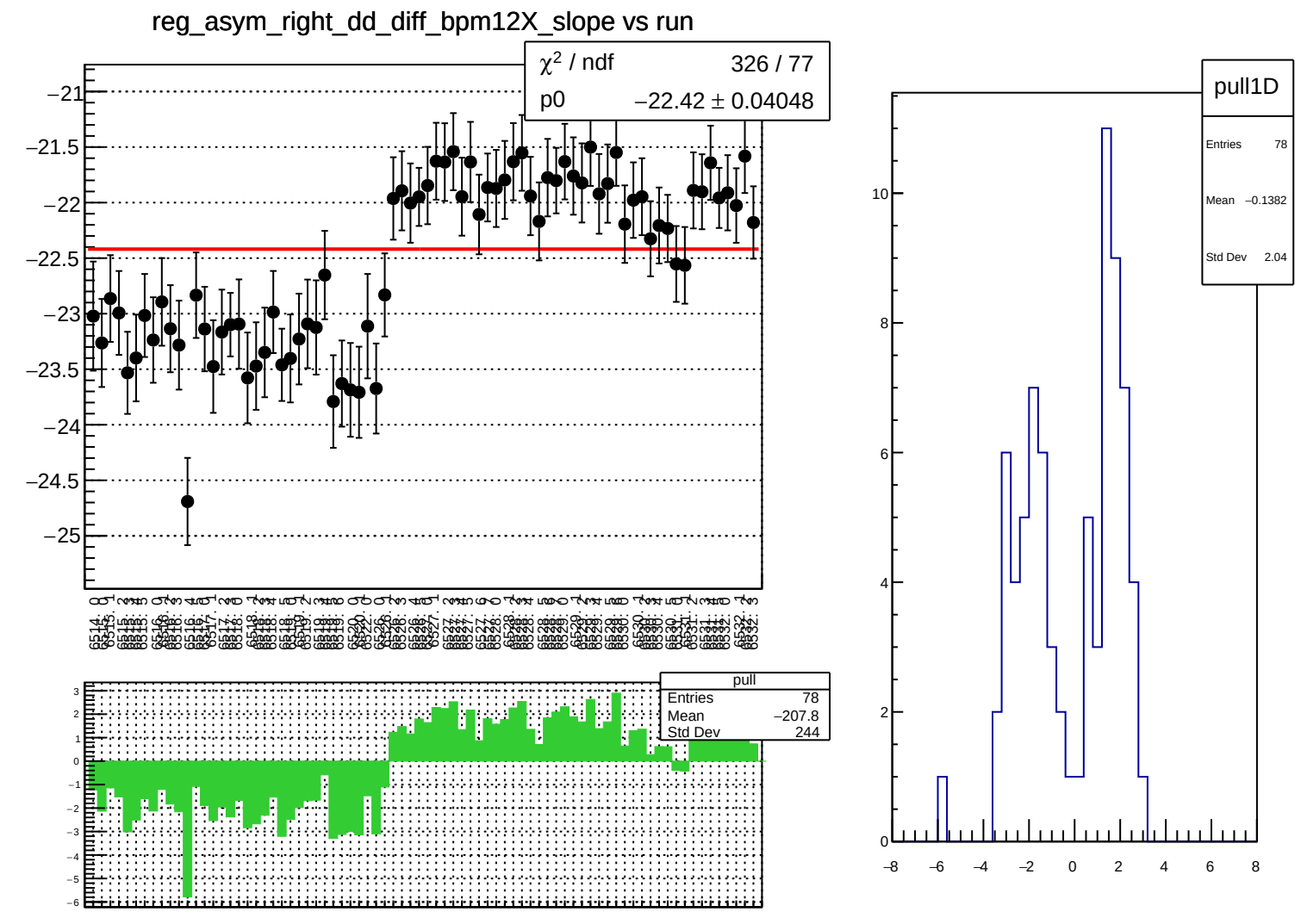

pull1D
Entries 78
Mean −0.16
Std Dev 0.9986

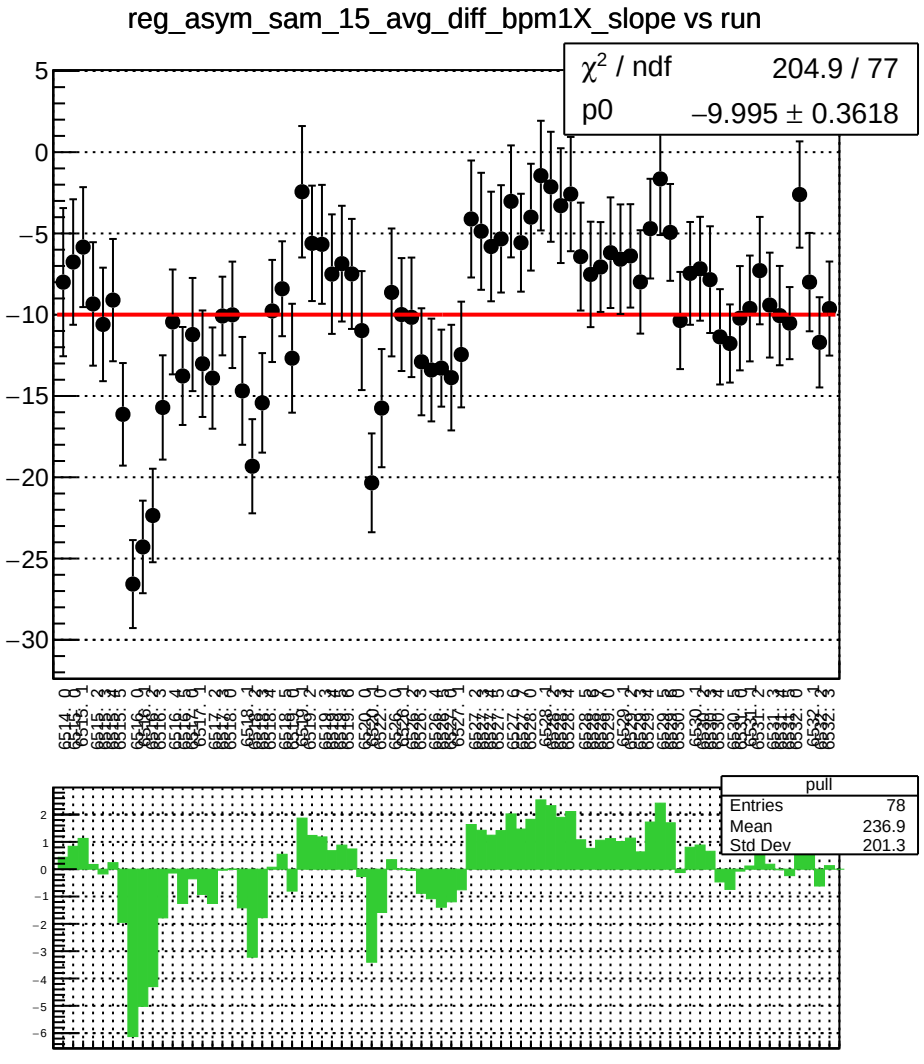

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 134.1 / 77
p0 55.69 ± 1.025
pull
Entries 78
Mean 172.3
Std Dev 135.3

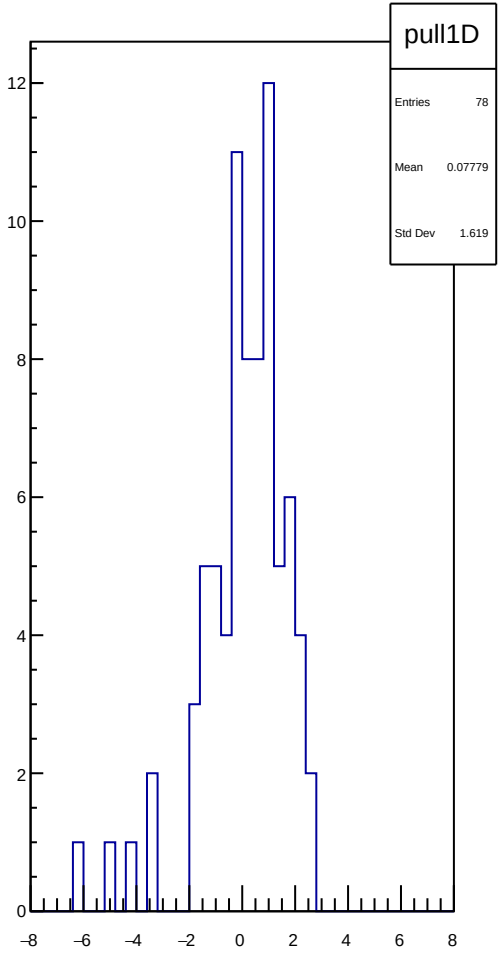

pull1D
Entries 78
Mean 0.09033
Std Dev 1.308

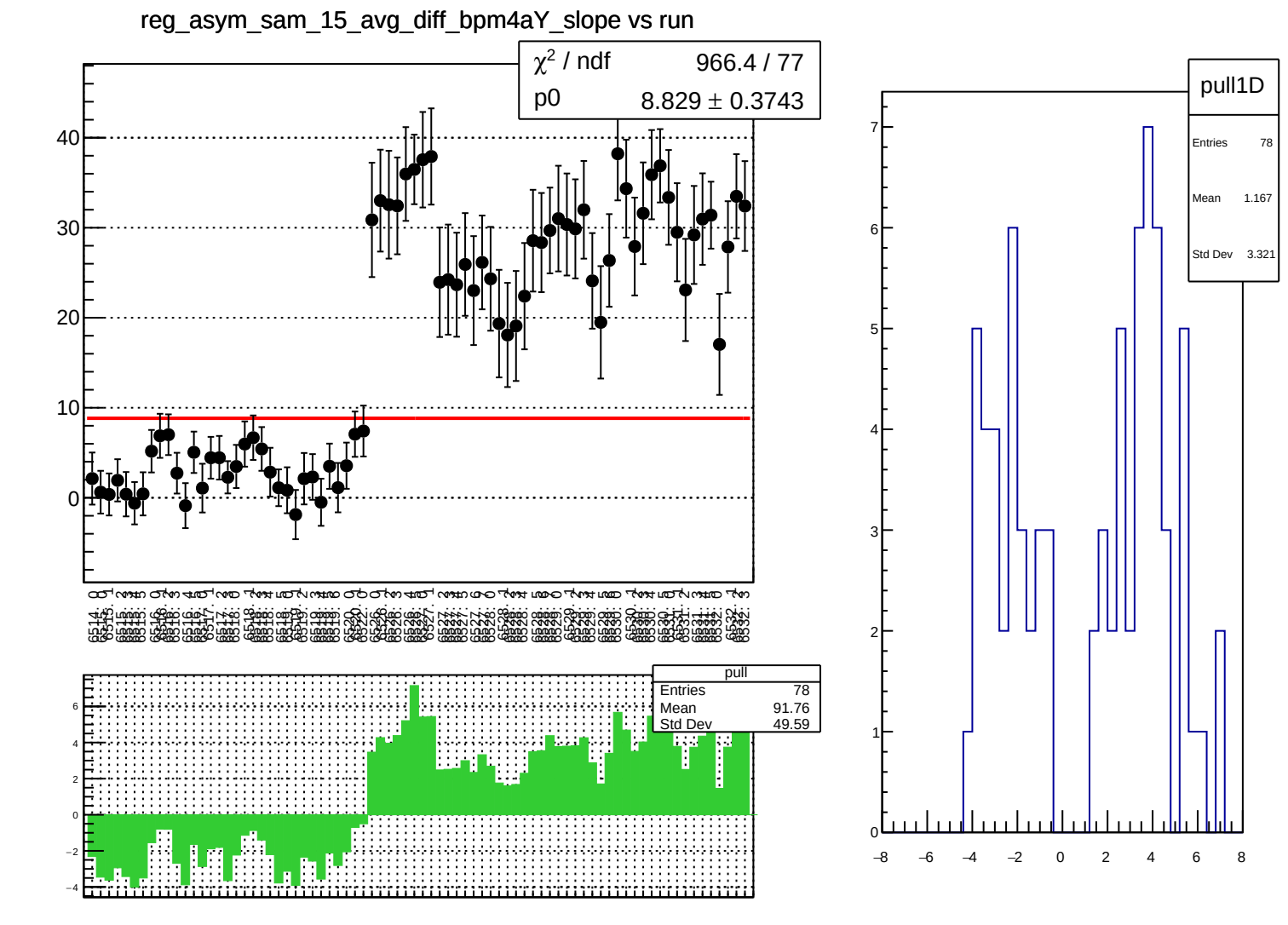

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 74.08 / 77
p0 19.46 ± 1.089
pull
Entries 78
Mean 147.2
Std Dev 110.4

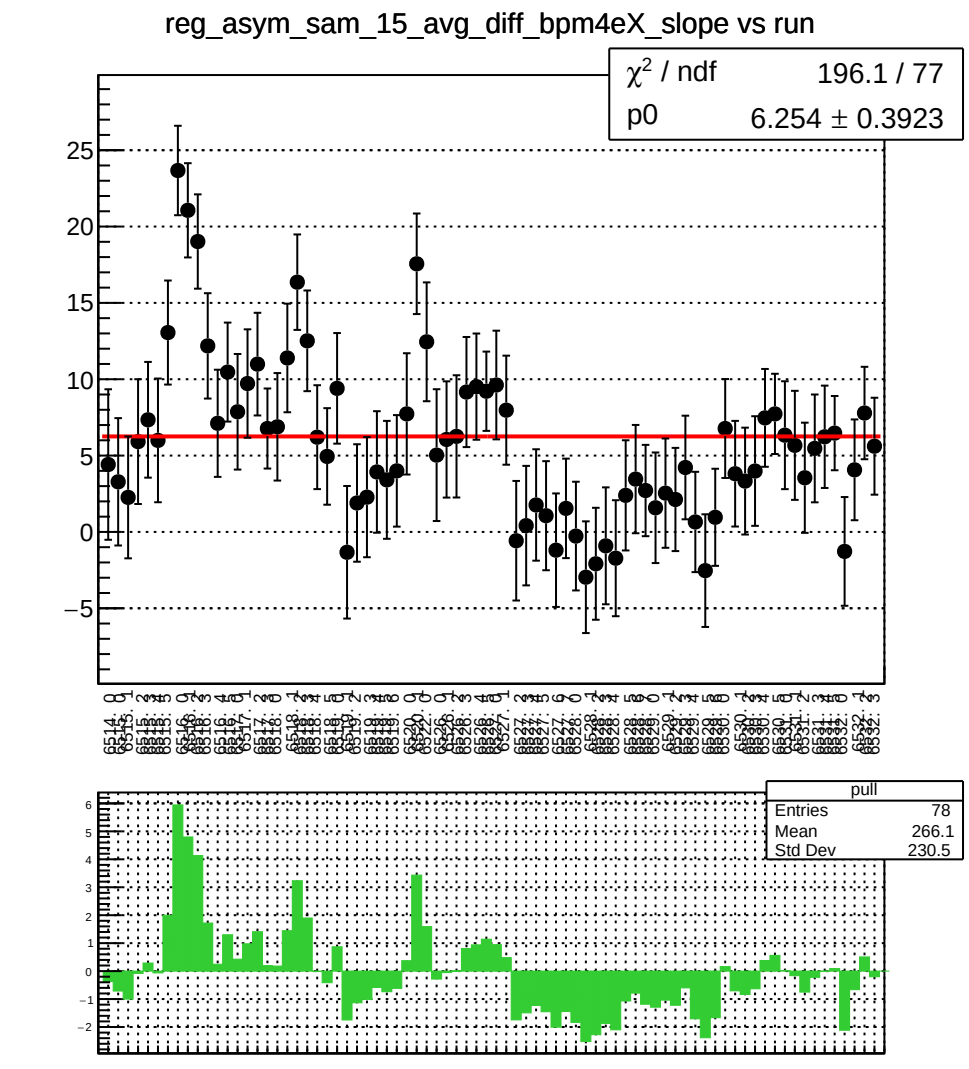

pull1D
Entries 78
Mean 0.06704
Std Dev 0.9722

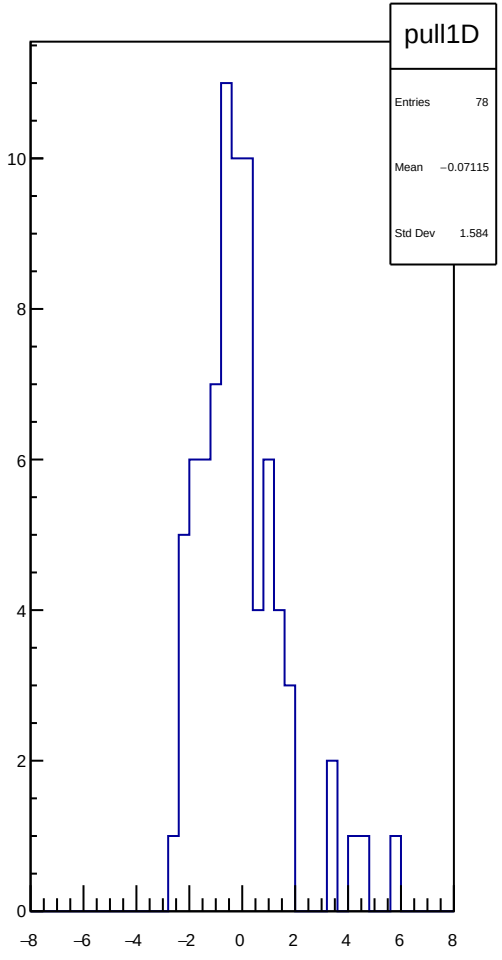

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 326 / 77
p0 −22.42 ± 0.04048
pull
Entries 78
Mean −207.8
Std Dev 244
pull1D
Entries 78
Mean −0.1382
Std Dev 2.04

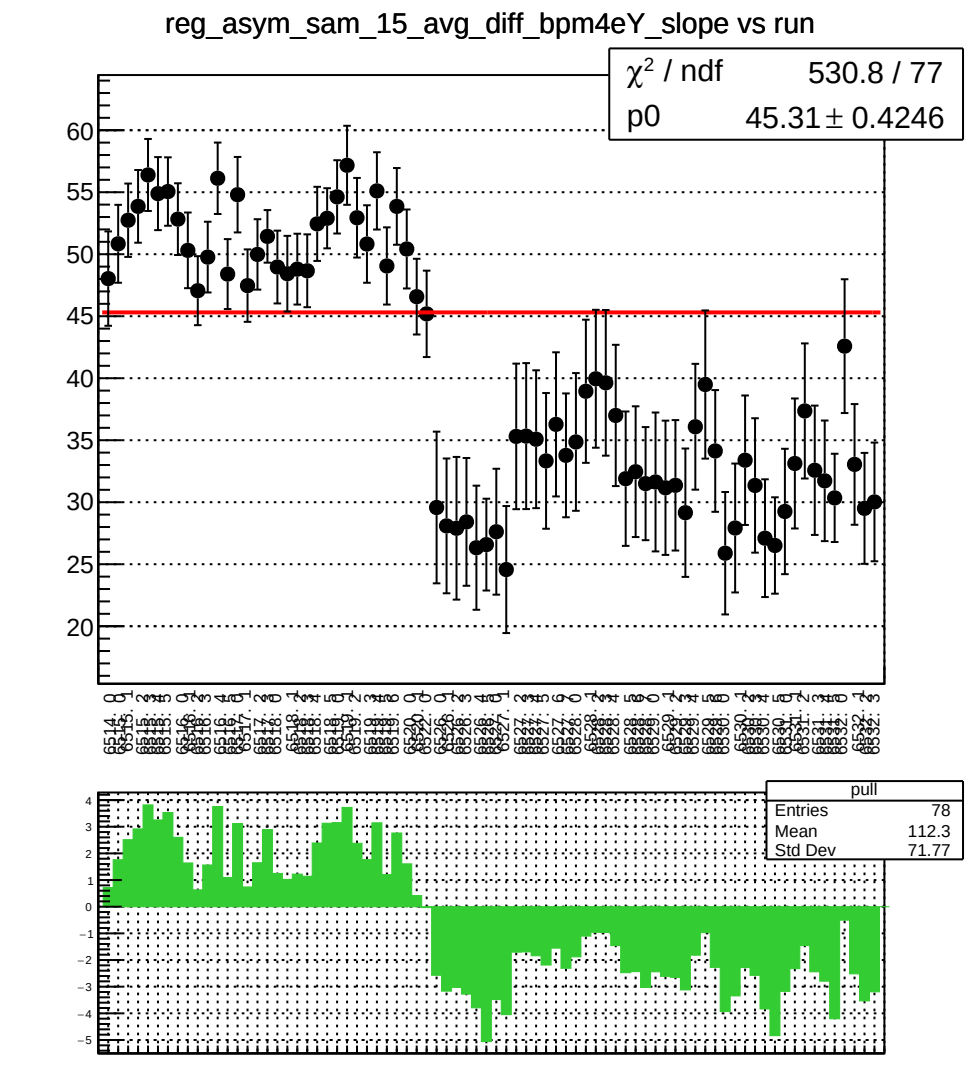

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 204.9 / 77
p0 −9.995 ± 0.3618
pull
Entries 78
Mean 236.9
Std Dev 201.3

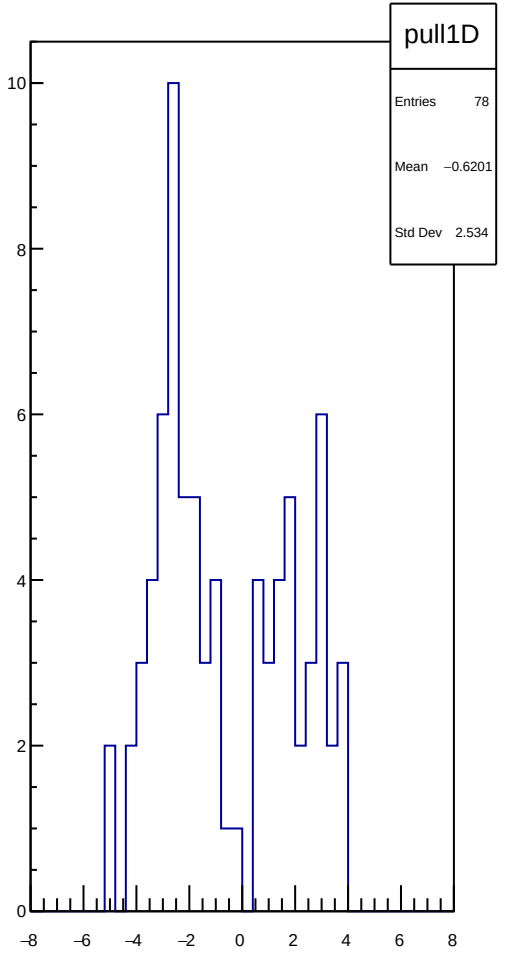

pull1D
Entries 78
Mean 0.07779
Std Dev 1.619

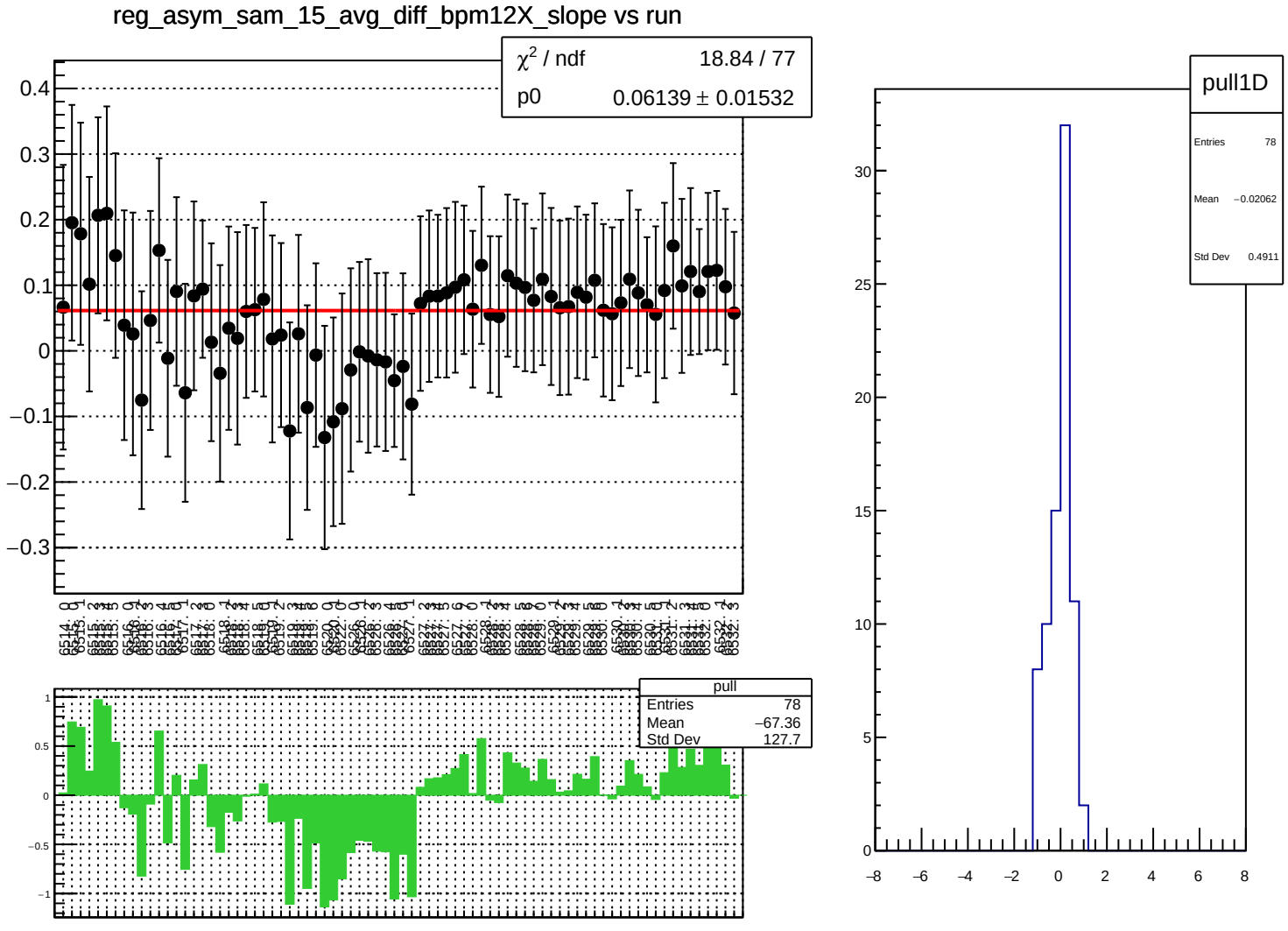

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 966.4 / 77
p0 8.829 ± 0.3743
pull
Entries 78
Mean 91.76
Std Dev 49.59
pull1D
Entries 78
Mean 1.167
Std Dev 3.321

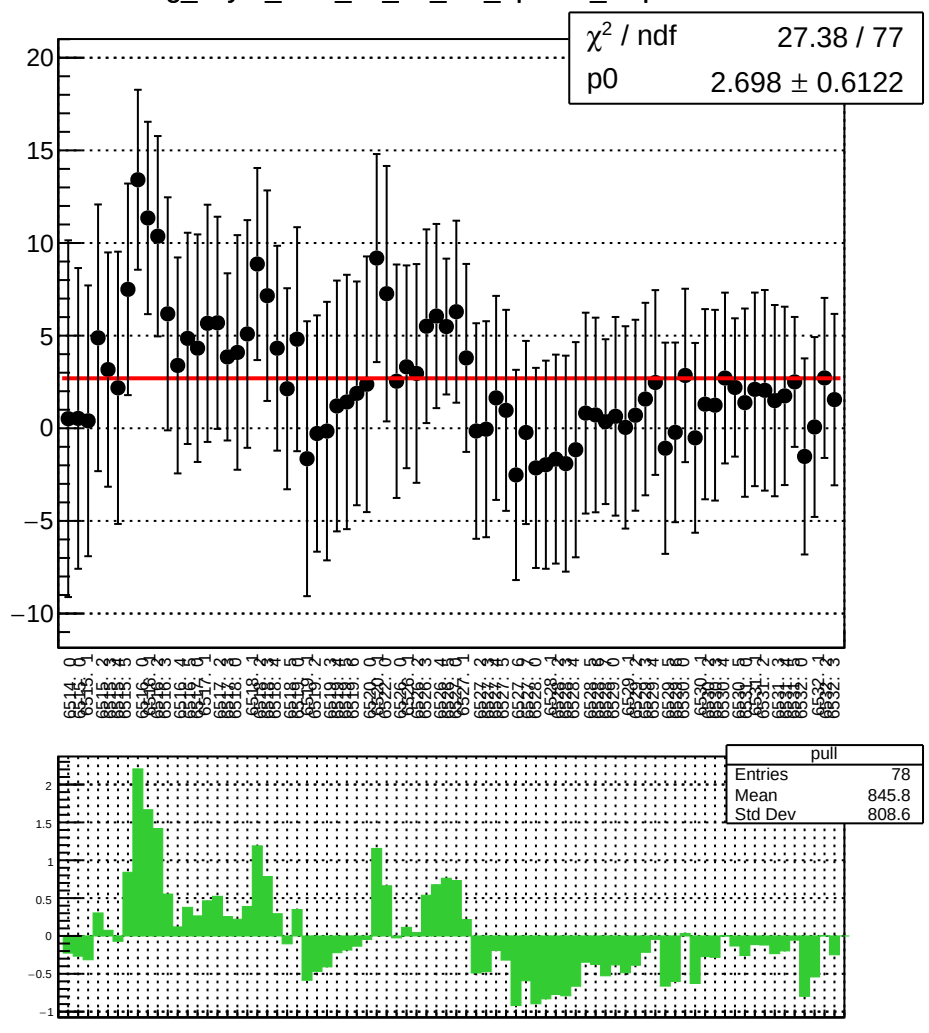

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 196.1 / 77
p0 6.254 ± 0.3923
pull
Entries 78
Mean 266.1
Std Dev 230.5

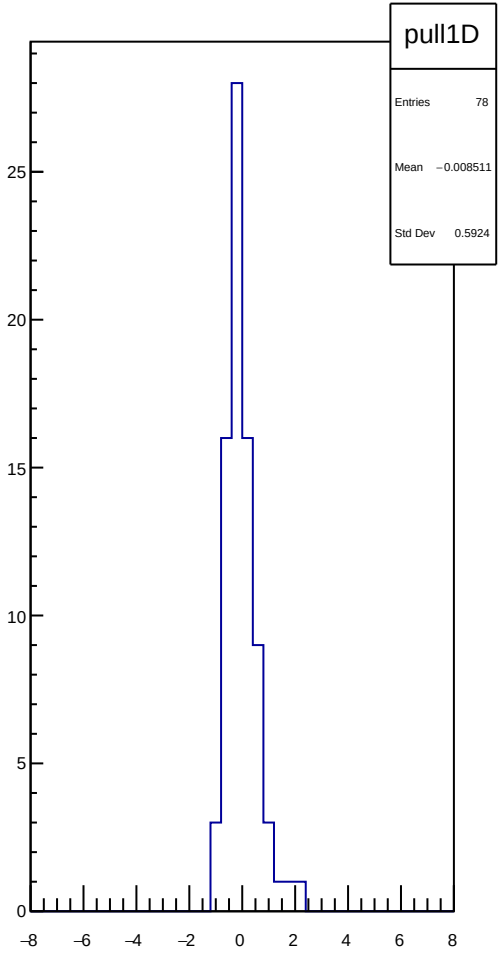

pull1D
Entries 78
Mean −0.07115
Std Dev 1.584

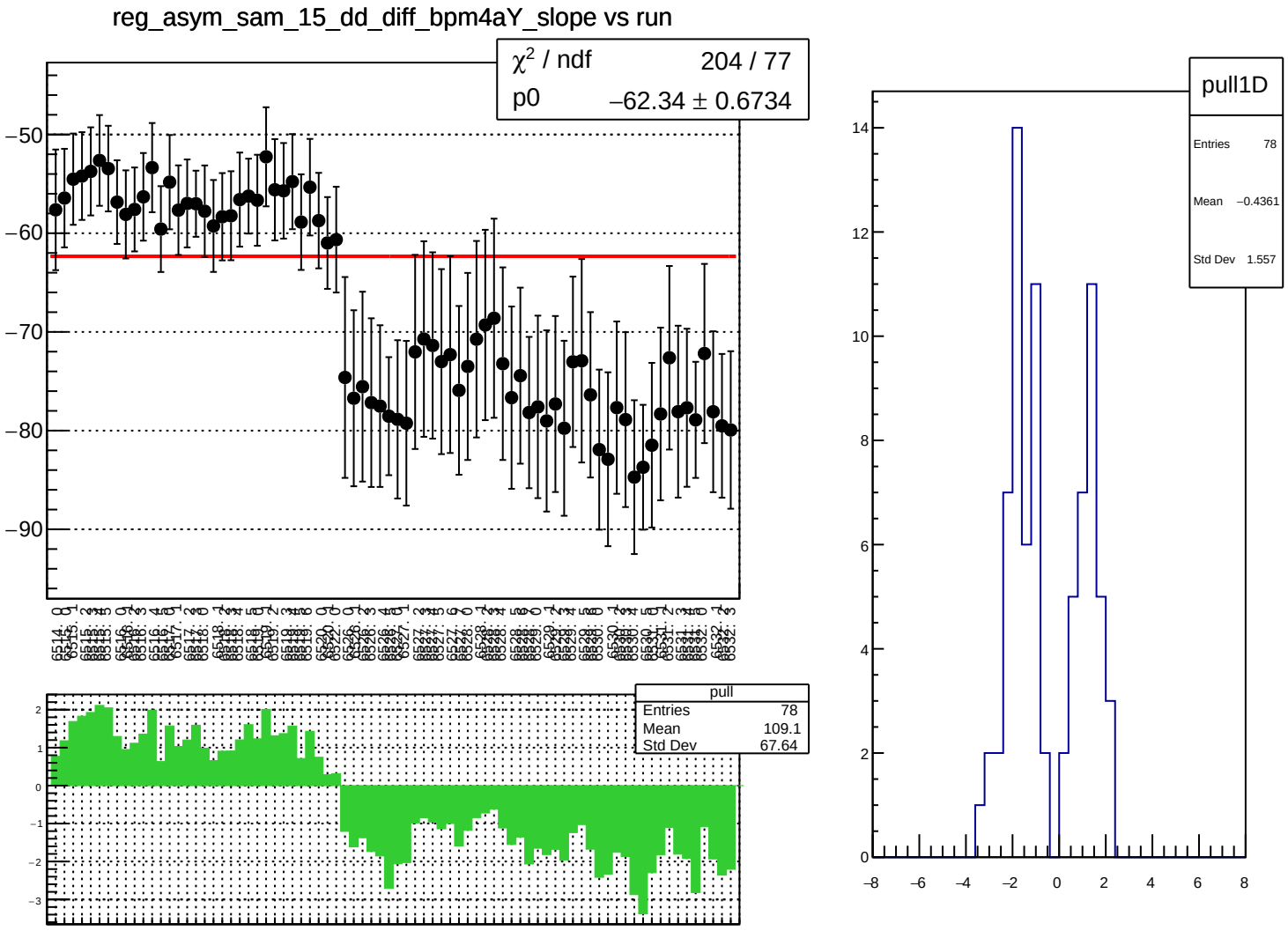

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 530.8 / 77
p0 45.31 ± 0.4246
pull
Entries 78
Mean 112.3
Std Dev 71.77

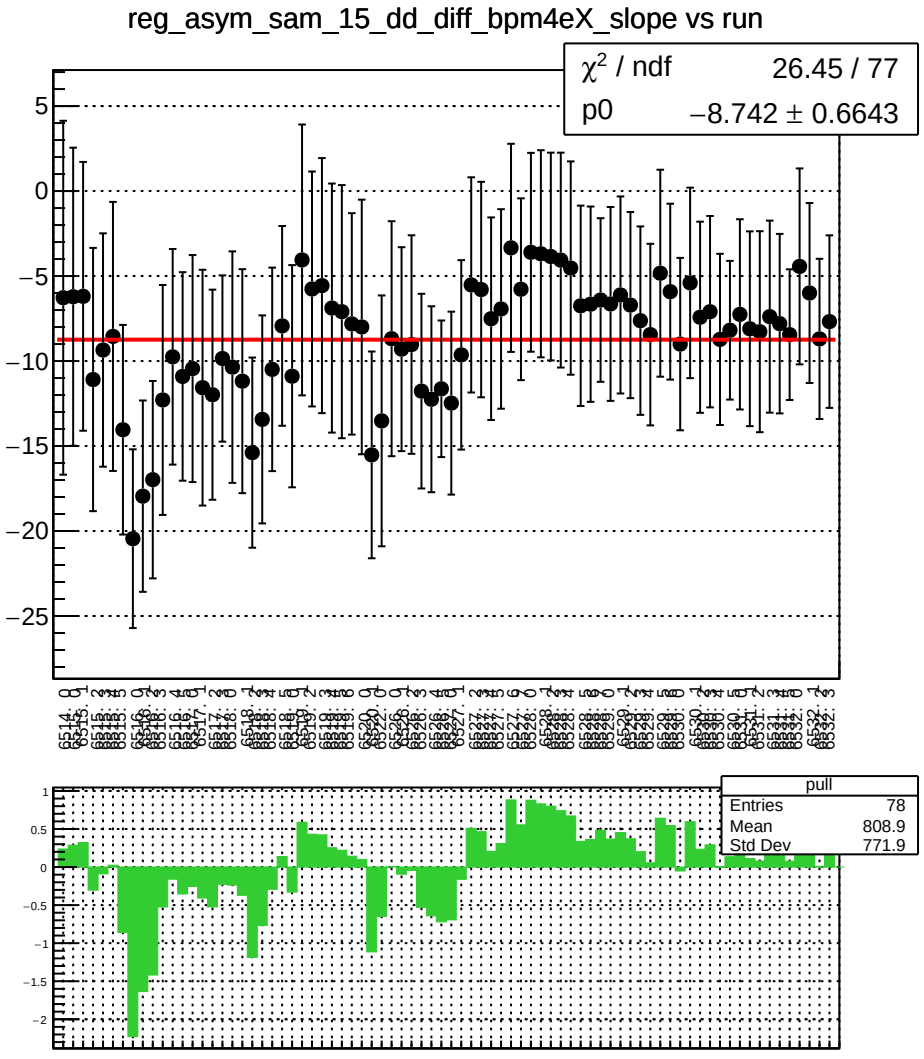

pull1D
Entries 78
Mean −0.6201
Std Dev 2.534

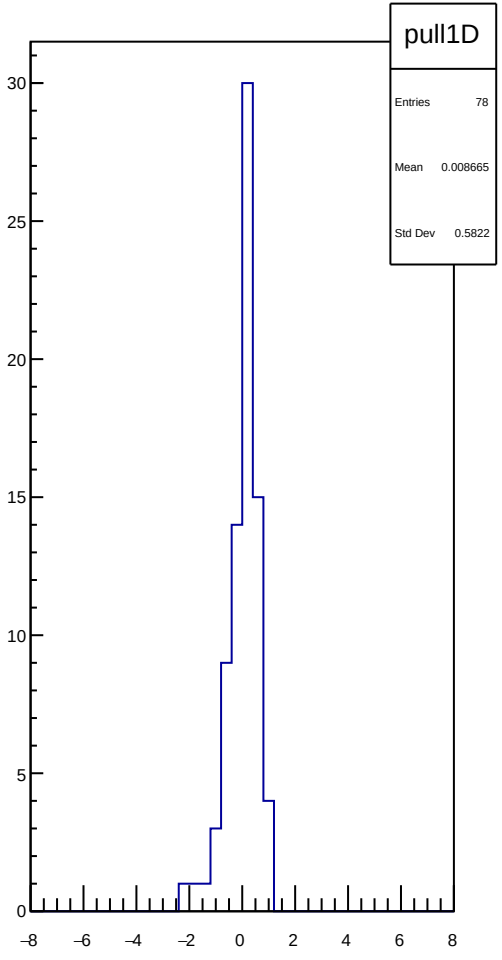

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 18.84 / 77
p0 0.06139 ± 0.01532
pull
Entries 78
Mean −67.36
Std Dev 127.7
pull1D
Entries 78
Mean −0.02062
Std Dev 0.4911

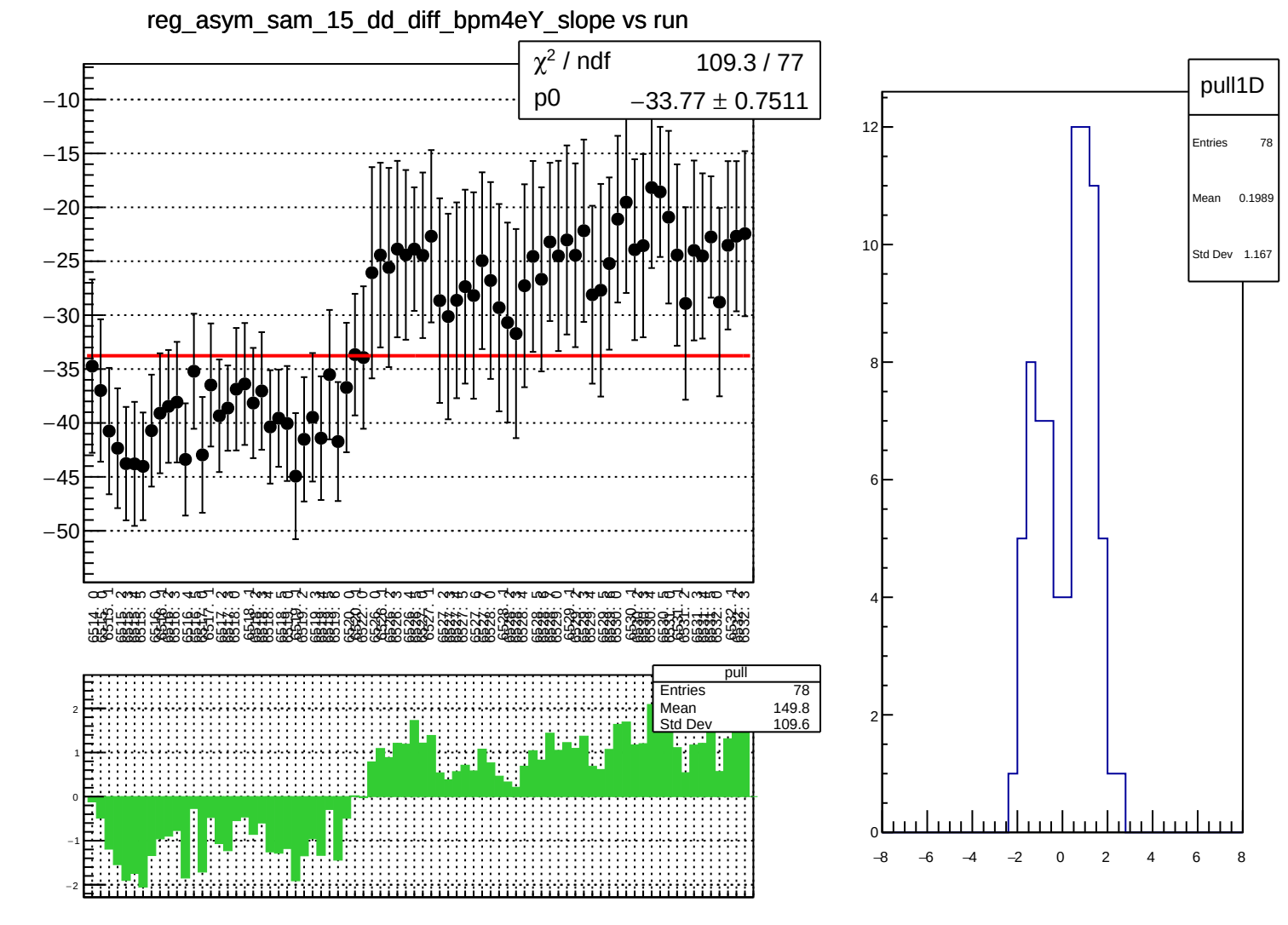

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 27.38 / 77
p0 2.698 ± 0.6122
pull
Entries 78
Mean 845.8
Std Dev 808.6

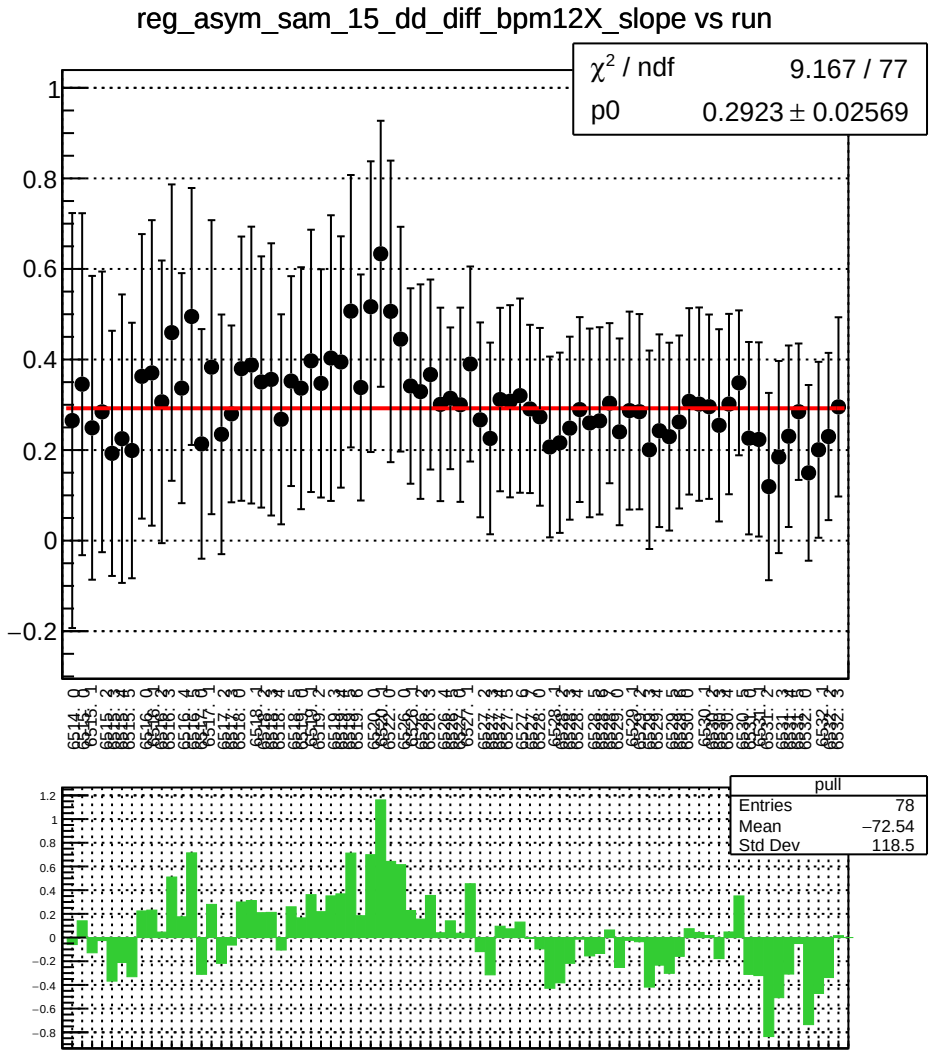

pull1D
Entries 78
Mean −0.008511
Std Dev 0.5924

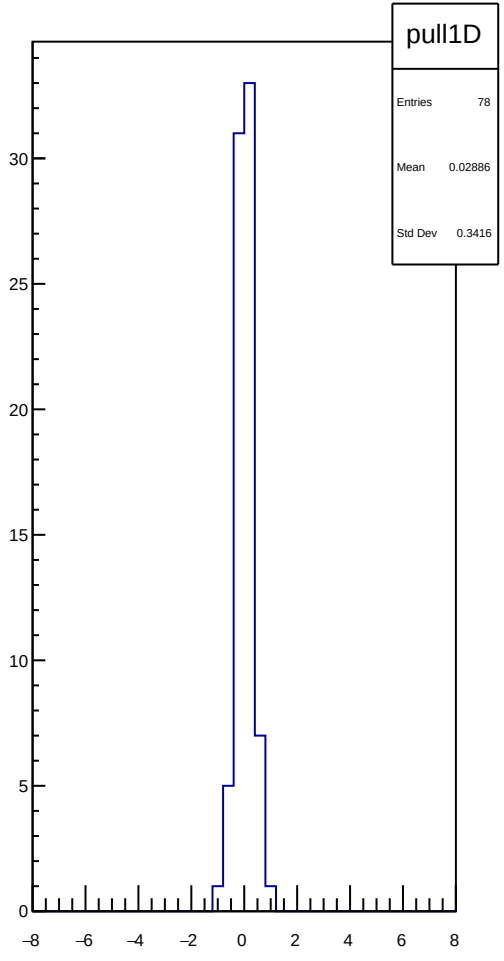

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 204 / 77
p0 −62.34 ± 0.6734
pull
Entries 78
Mean 109.1
Std Dev 67.64
pull1D
Entries 78
Mean −0.4361
Std Dev 1.557

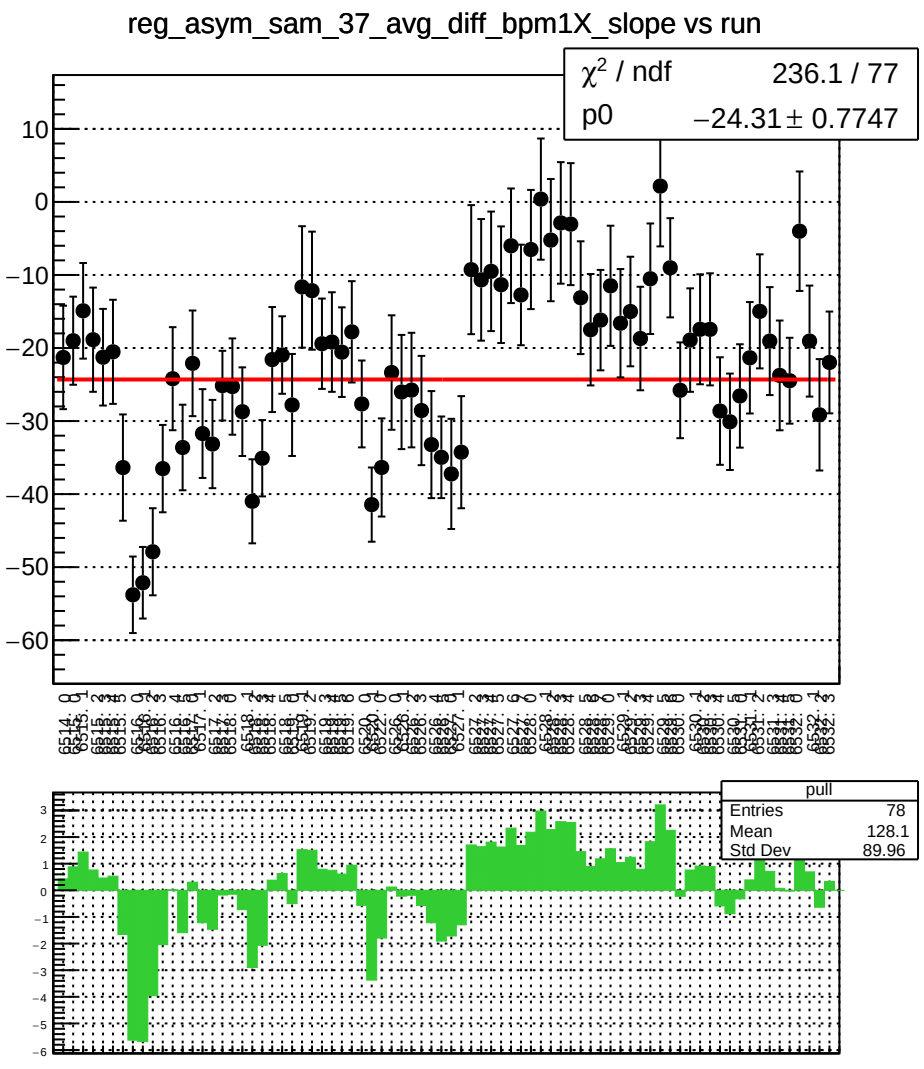

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 26.45 / 77
p0 −8.742 ± 0.6643
pull
Entries 78
Mean 808.9
Std Dev 771.9

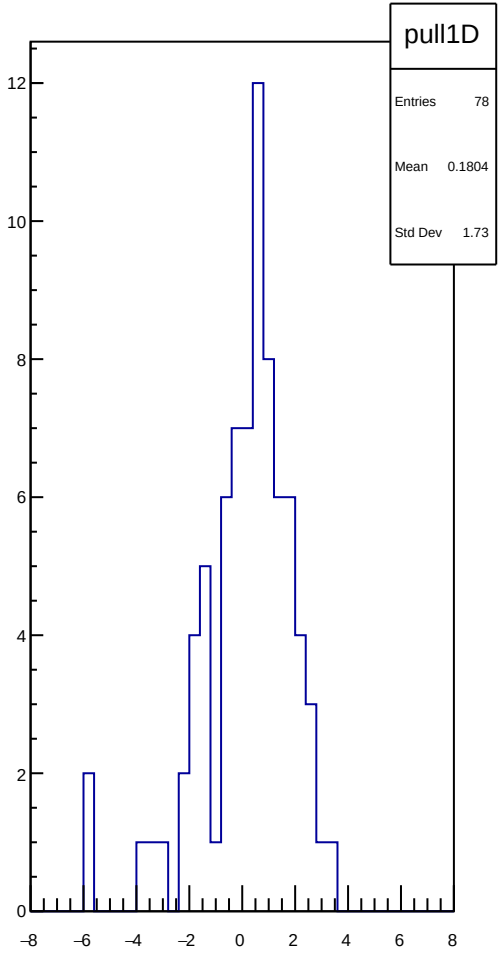

pull1D
Entries 78
Mean 0.008665
Std Dev 0.5822

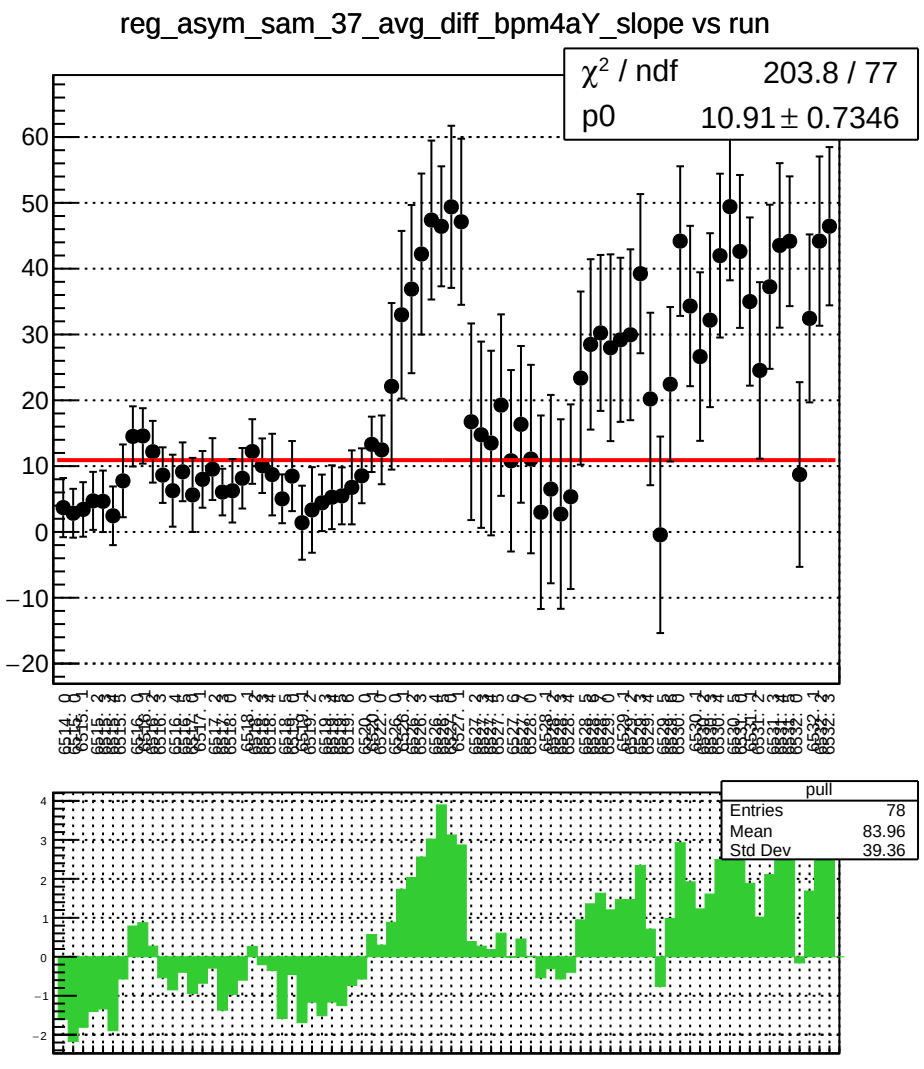

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 109.3 / 77
p0 −33.77 ± 0.7511
pull
Entries 78
Mean 149.8
Std Dev 109.6
pull1D
Entries 78
Mean 0.1989
Std Dev 1.167

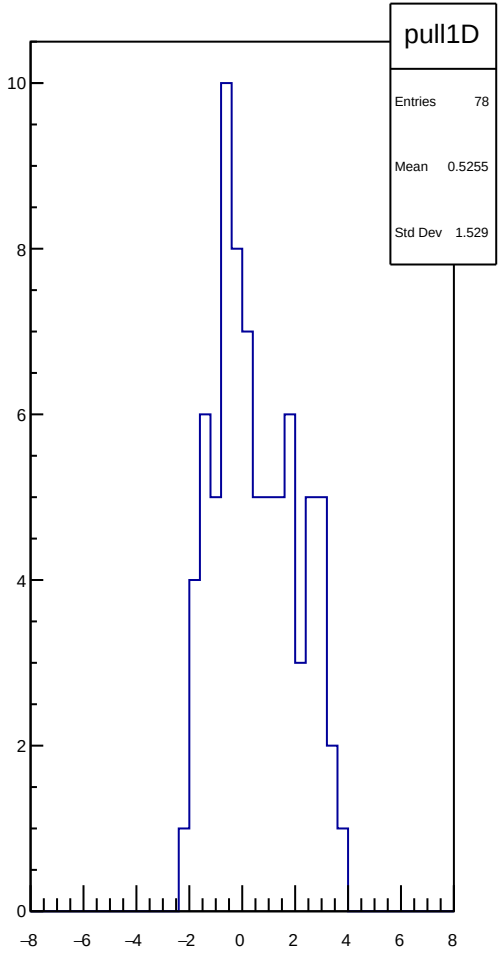

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 9.167 / 77
p0 0.2923 ± 0.02569
pull
Entries 78
Mean −72.54
Std Dev 118.5

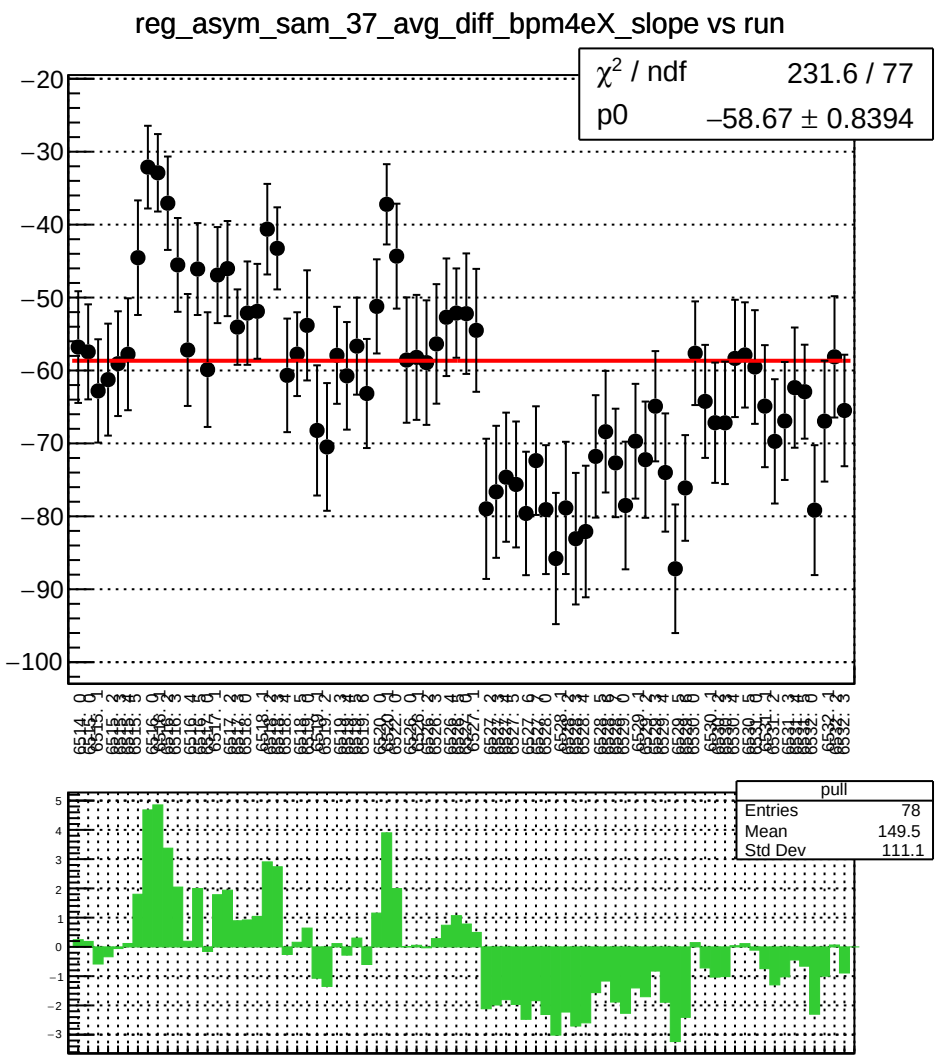

pull1D
Entries 78
Mean 0.02886
Std Dev 0.3416

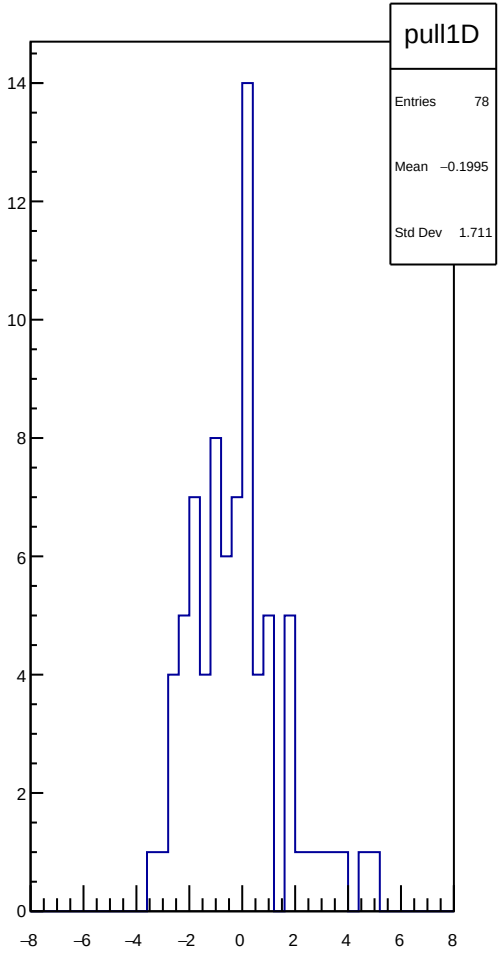

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 236.1 / 77
p0 −24.31 ± 0.7747
pull
Entries 78
Mean 128.1
Std Dev 89.96

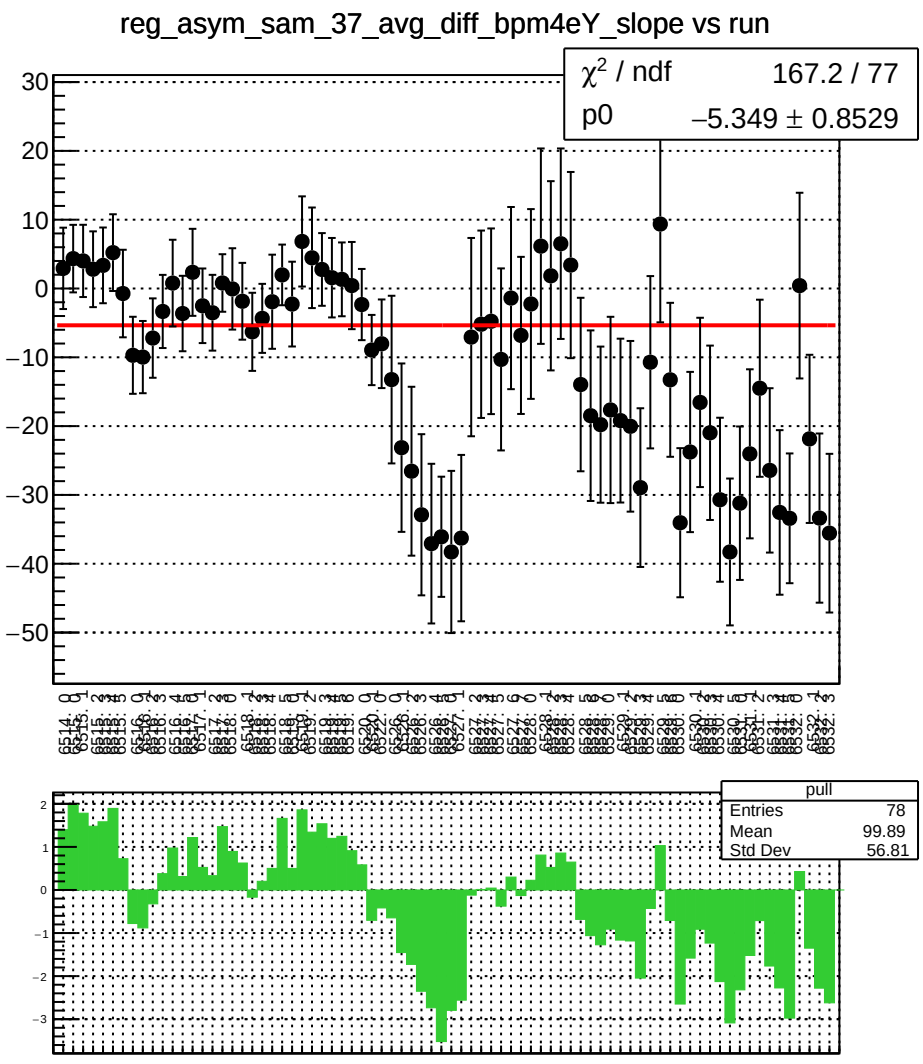

pull1D
Entries 78
Mean 0.1804
Std Dev 1.73

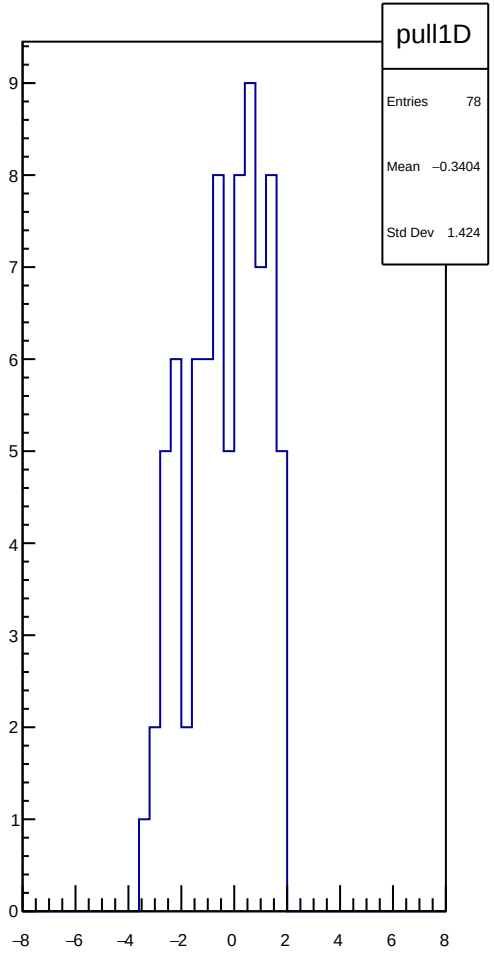

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 203.8 / 77
p0 10.91 ± 0.7346
pull
Entries 78
Mean 83.96
Std Dev 39.36

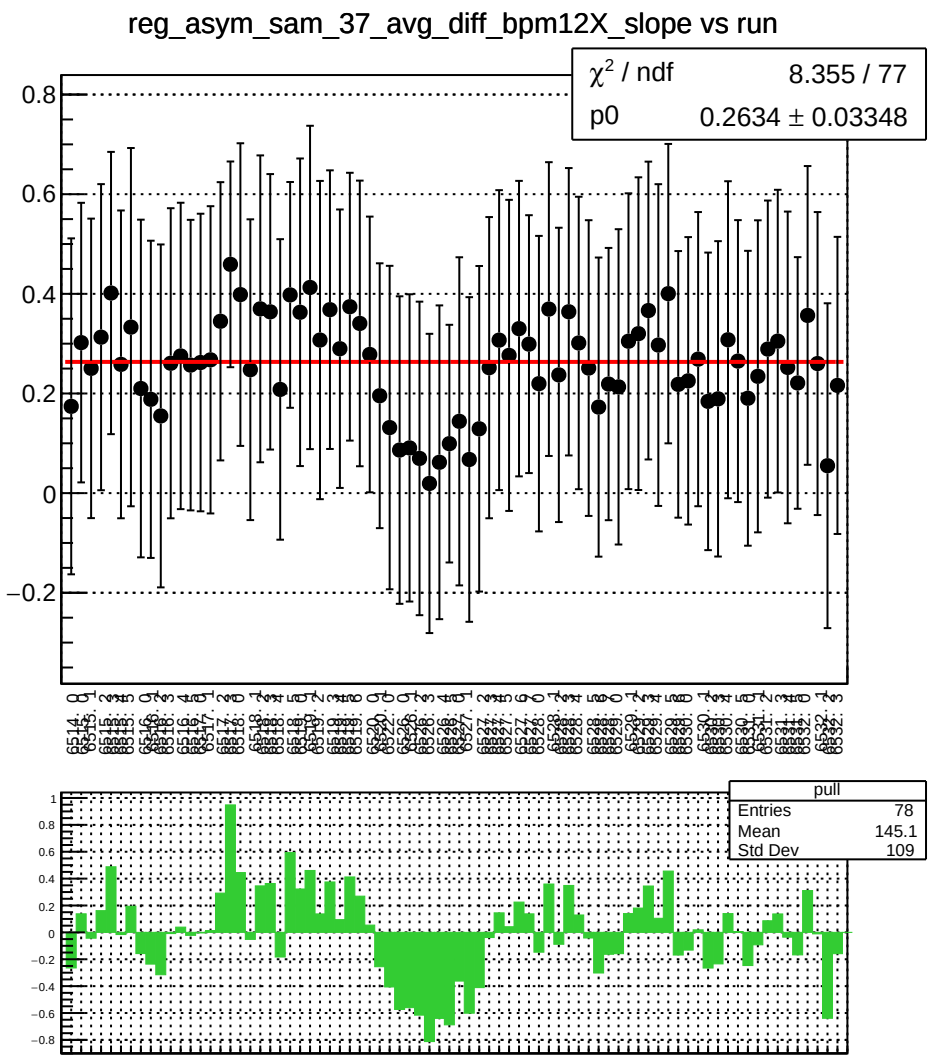

pull1D
Entries 78
Mean 0.5255
Std Dev 1.529

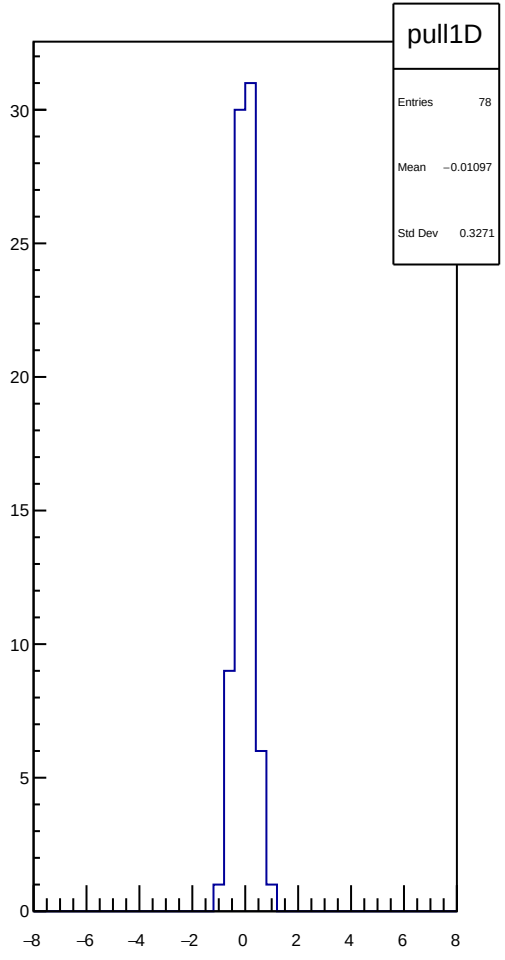

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 231.6 / 77
p0 −58.67 ± 0.8394
pull
Entries 78
Mean 149.5
Std Dev 111.1

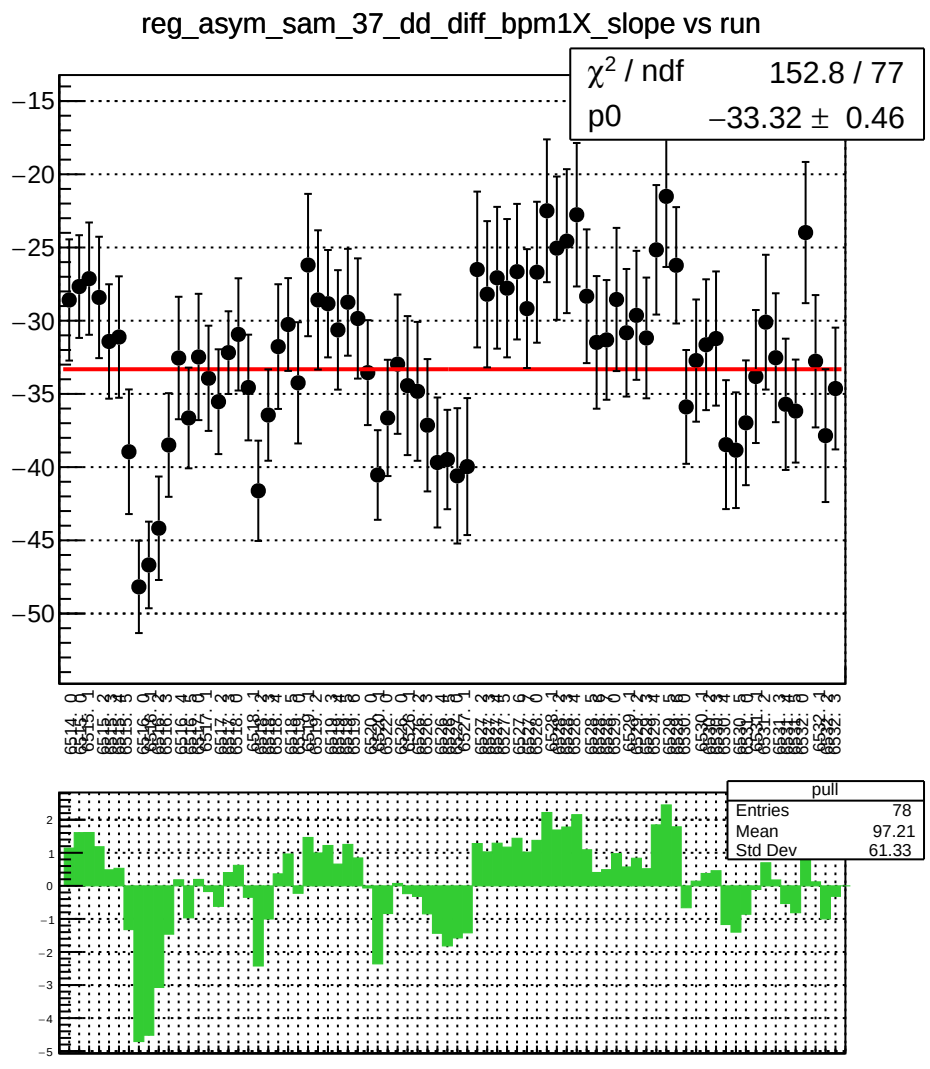

pull1D
Entries 78
Mean −0.1995
Std Dev 1.711

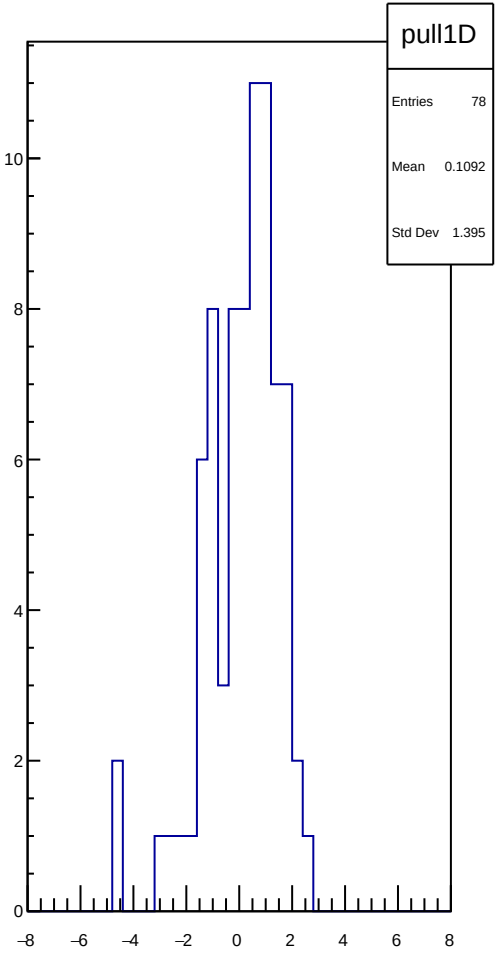

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 167.2 / 77
p0 −5.349 ± 0.8529
pull
Entries 78
Mean 99.89
Std Dev 56.81

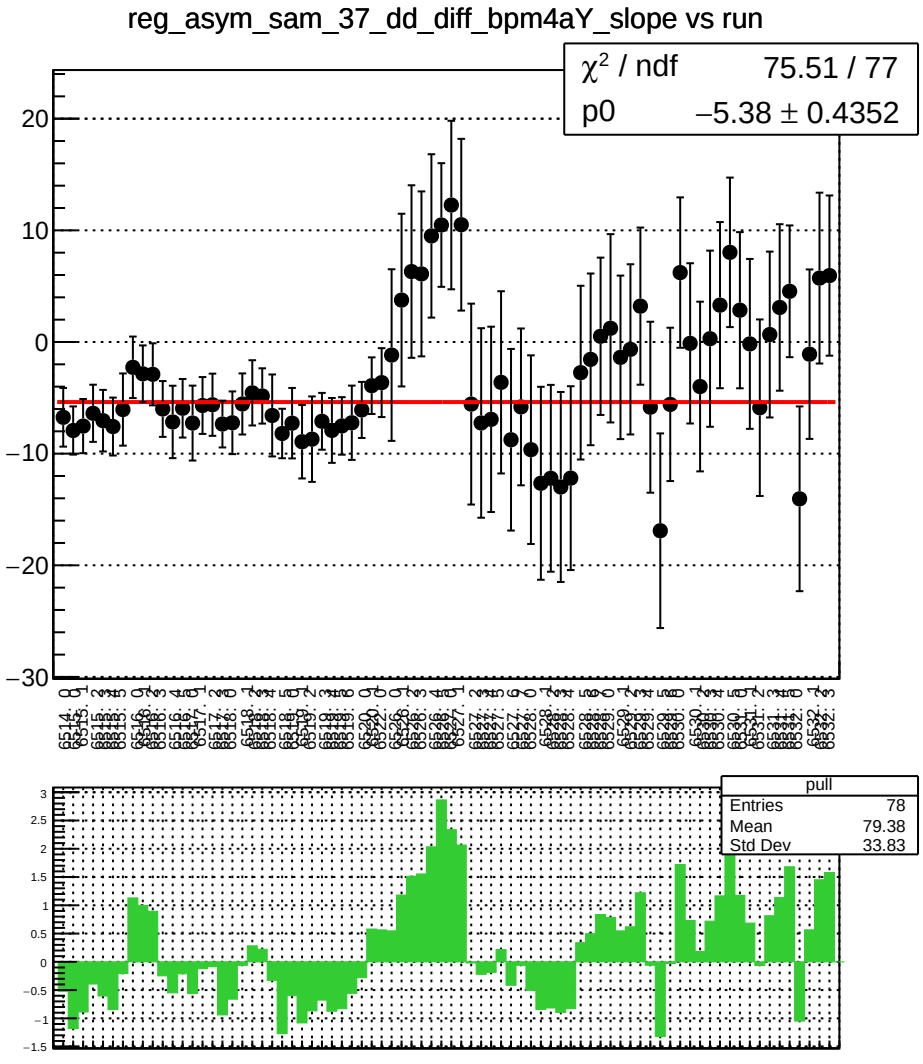

pull1D
Entries 78
Mean −0.3404
Std Dev 1.424

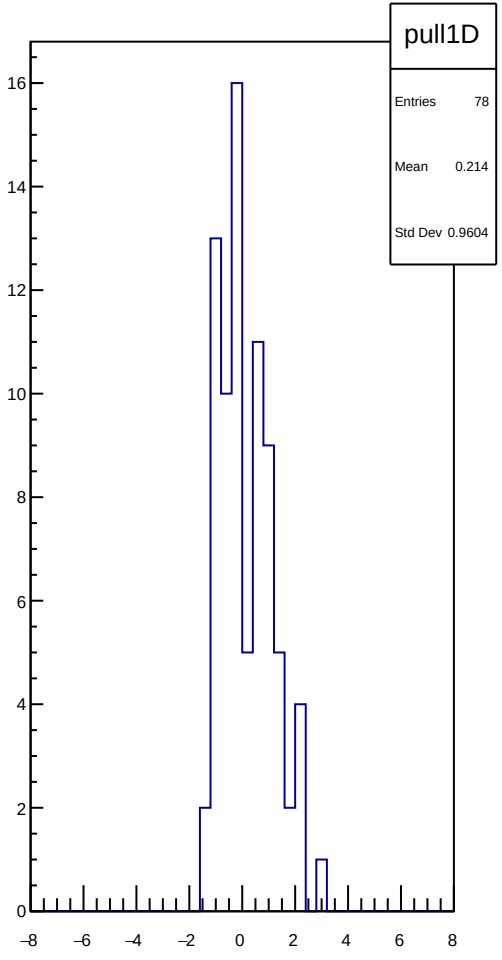

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 8.355 / 77
p0 0.2634 ± 0.03348
pull
Entries 78
Mean 145.1
Std Dev 109

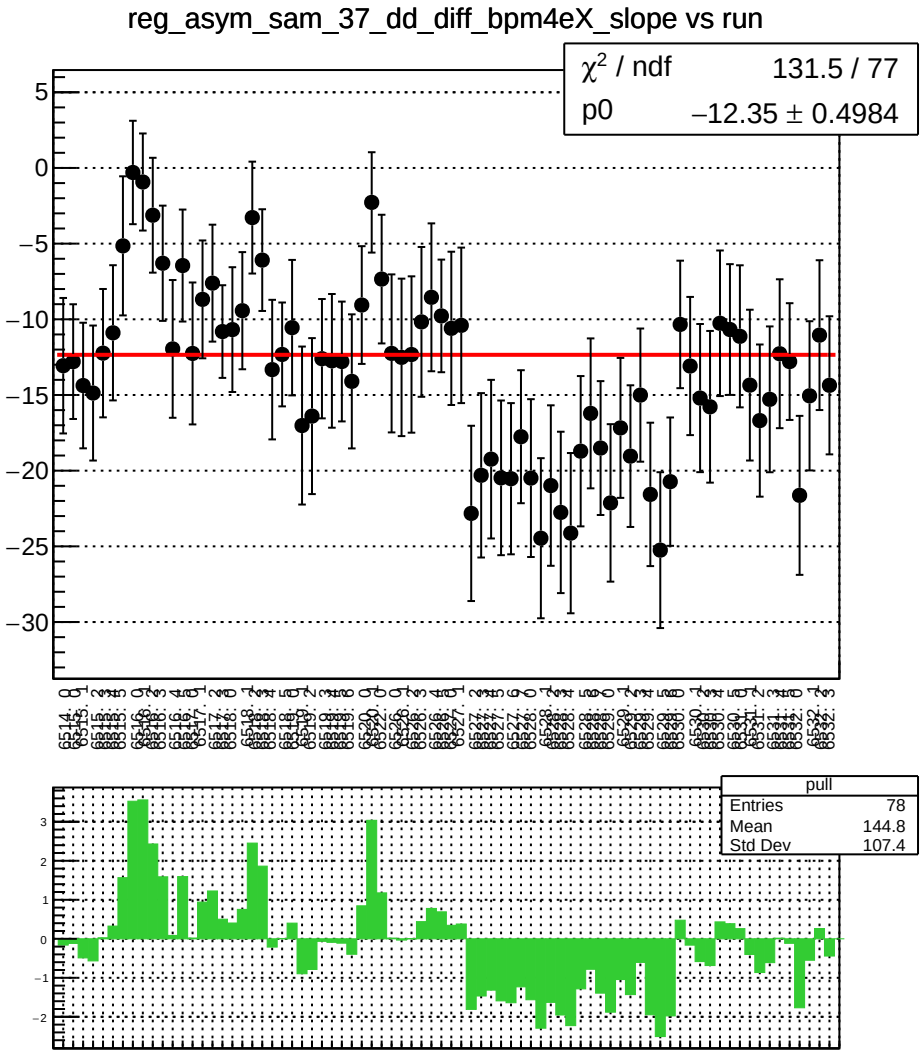

pull1D
Entries 78
Mean −0.01097
Std Dev 0.3271

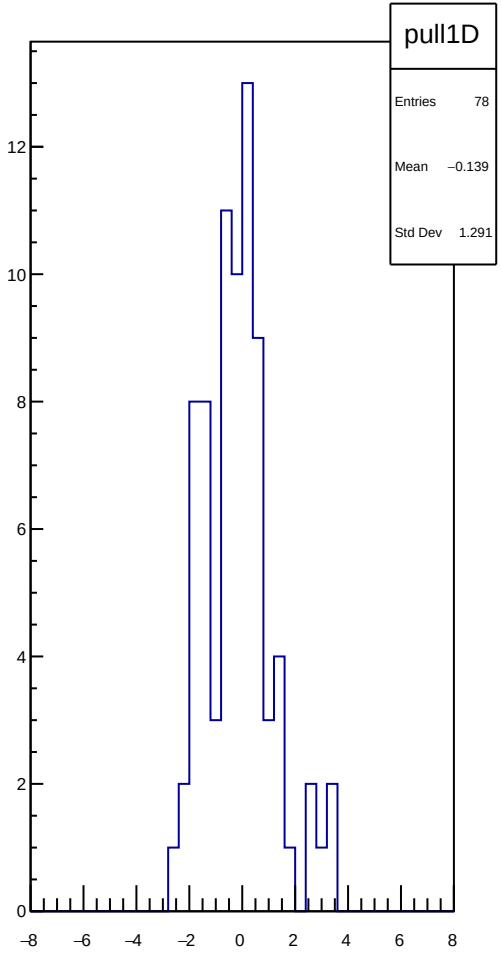

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 152.8 / 77
p0 −33.32 ± 0.46
pull
Entries 78
Mean 97.21
Std Dev 61.33

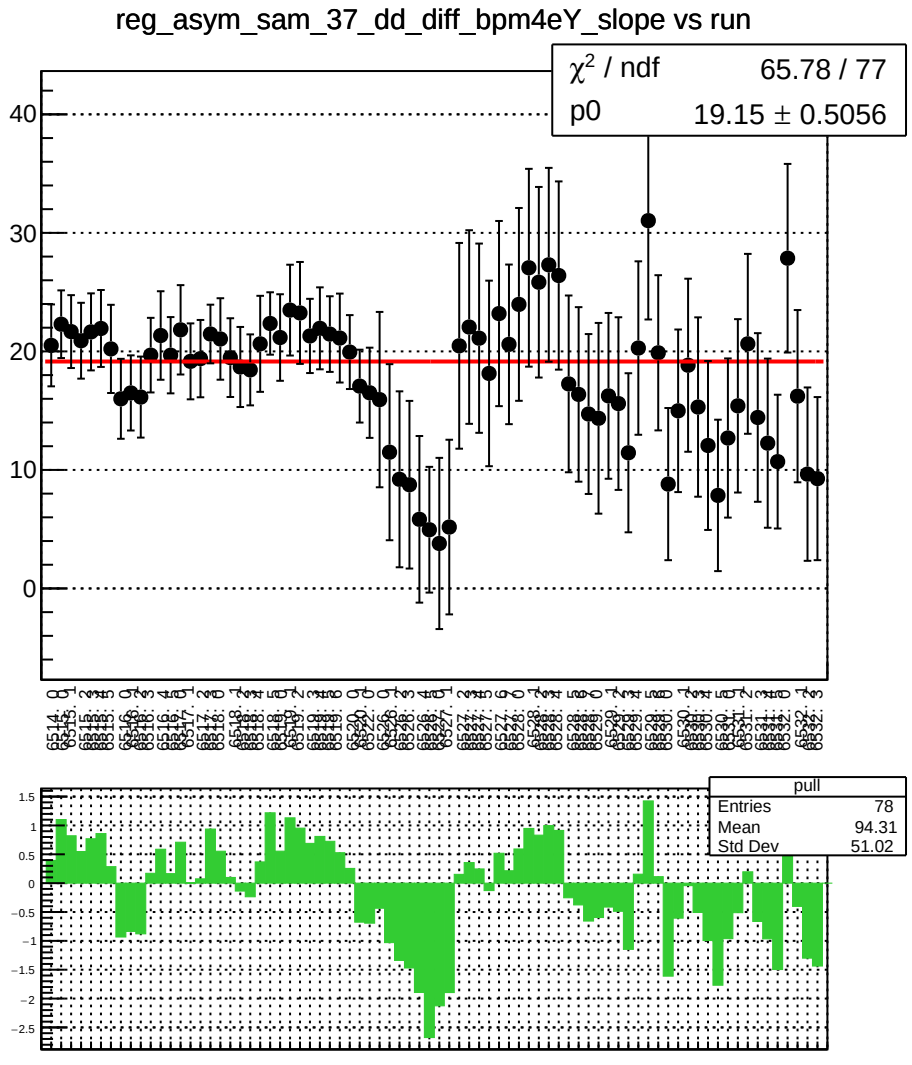

pull1D
Entries 78
Mean 0.1092
Std Dev 1.395

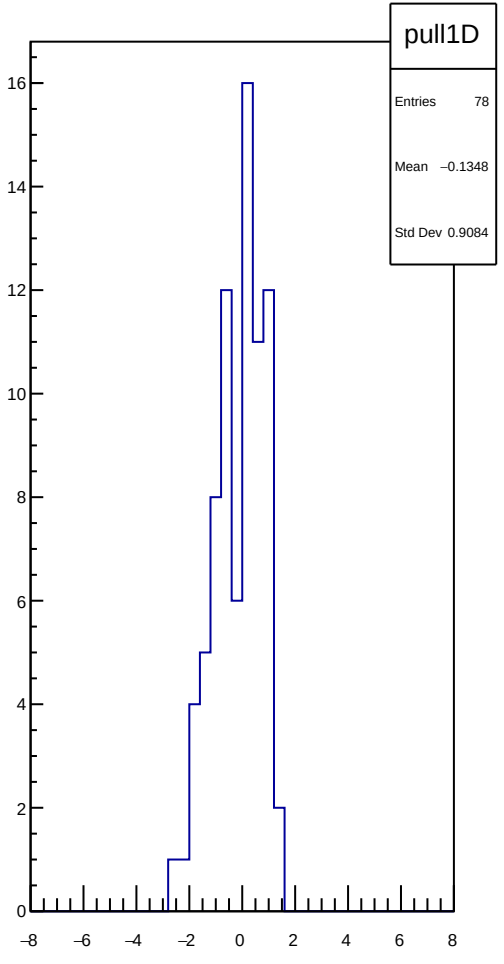

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 75.51 / 77
p0 −5.38 ± 0.4352
pull
Entries 78
Mean 79.38
Std Dev 33.83

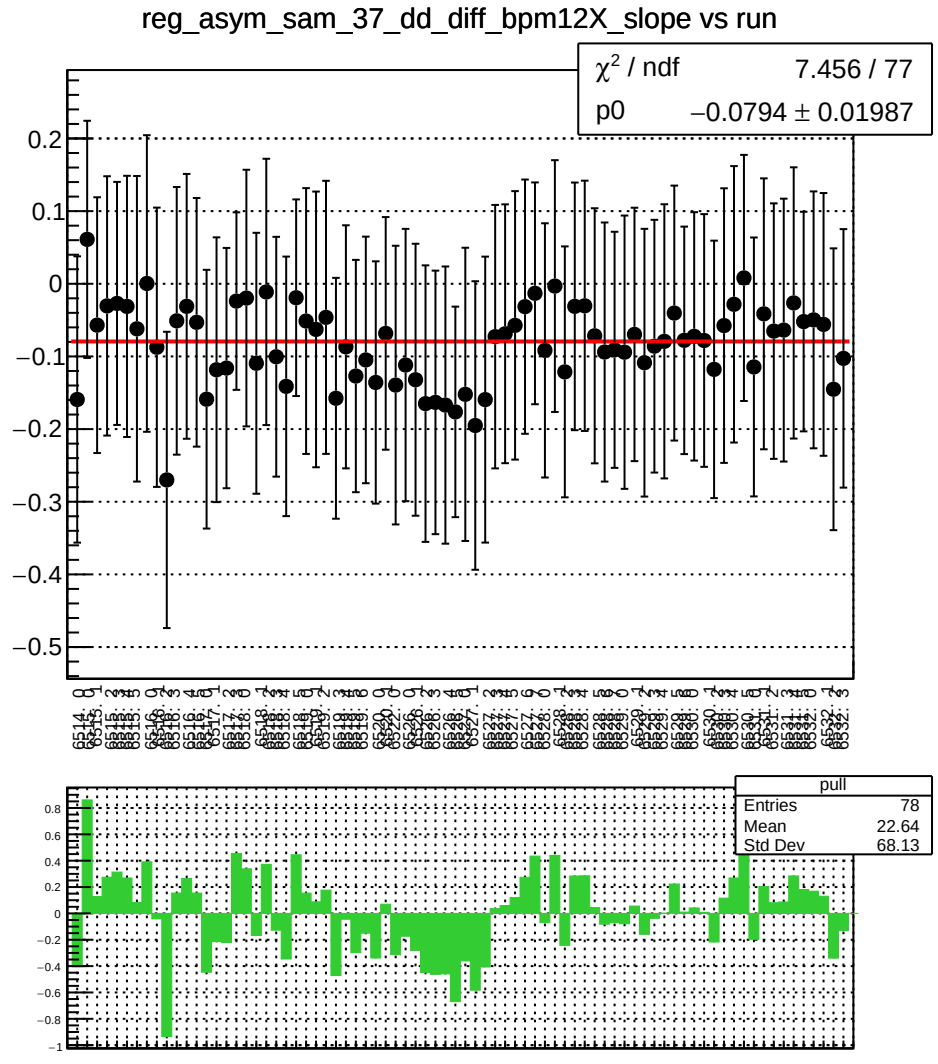

pull1D
Entries 78
Mean 0.214
Std Dev 0.9604

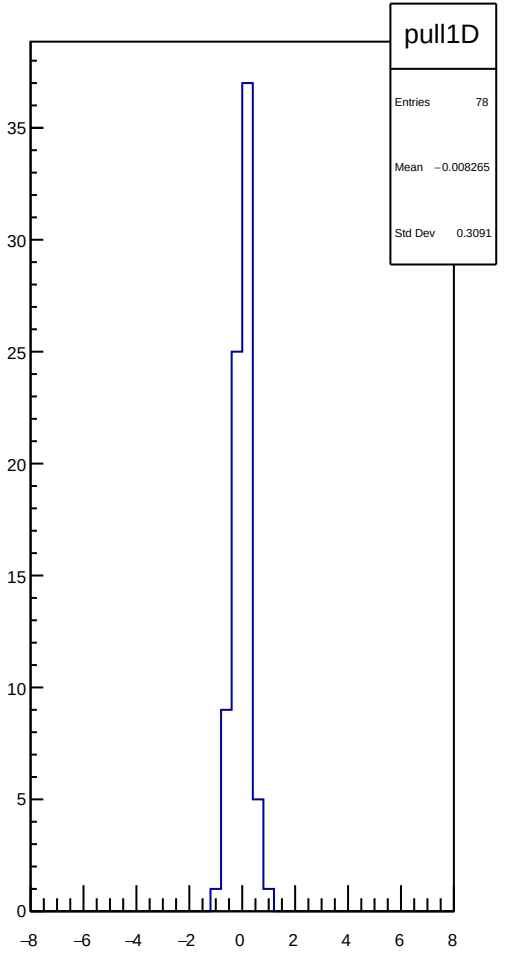

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 131.5 / 77
p0 −12.35 ± 0.4984
pull
Entries 78
Mean 144.8
Std Dev 107.4

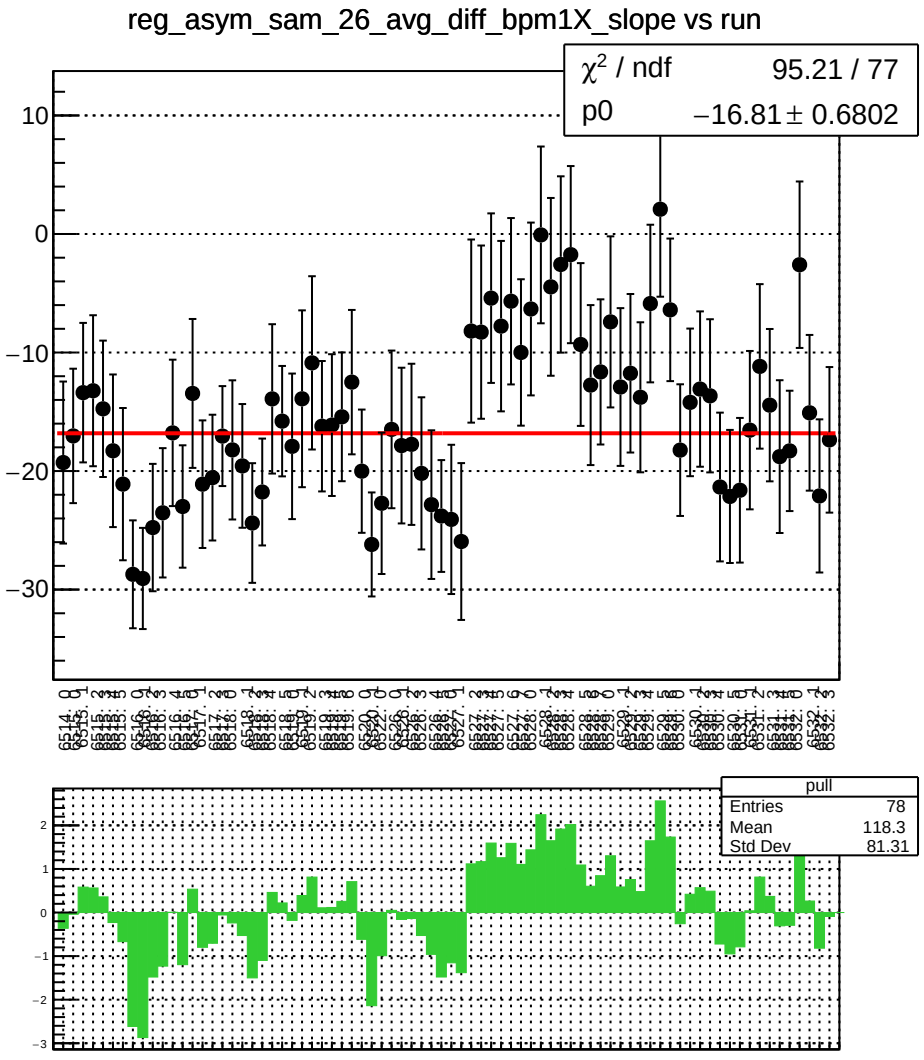

pull1D
Entries 78
Mean −0.139
Std Dev 1.291

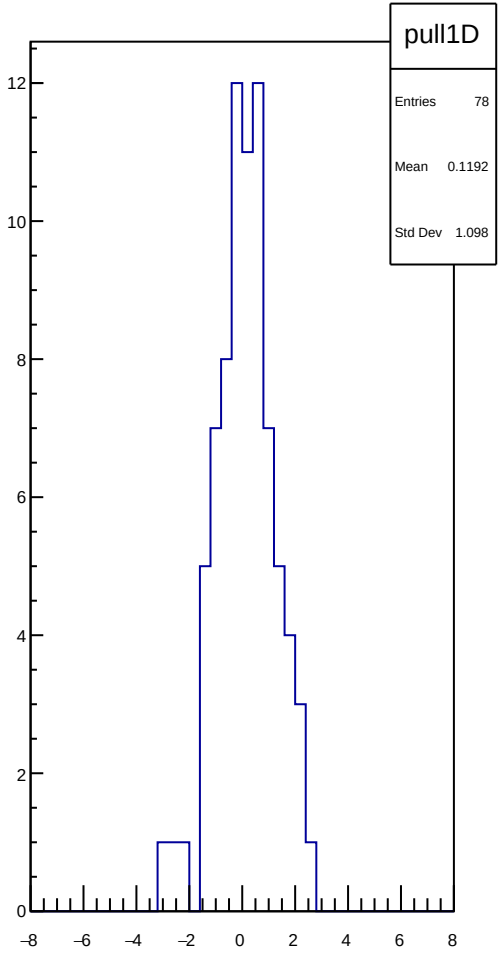

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 65.78 / 77
p0 19.15 ± 0.5056
pull
Entries 78
Mean 94.31
Std Dev 51.02

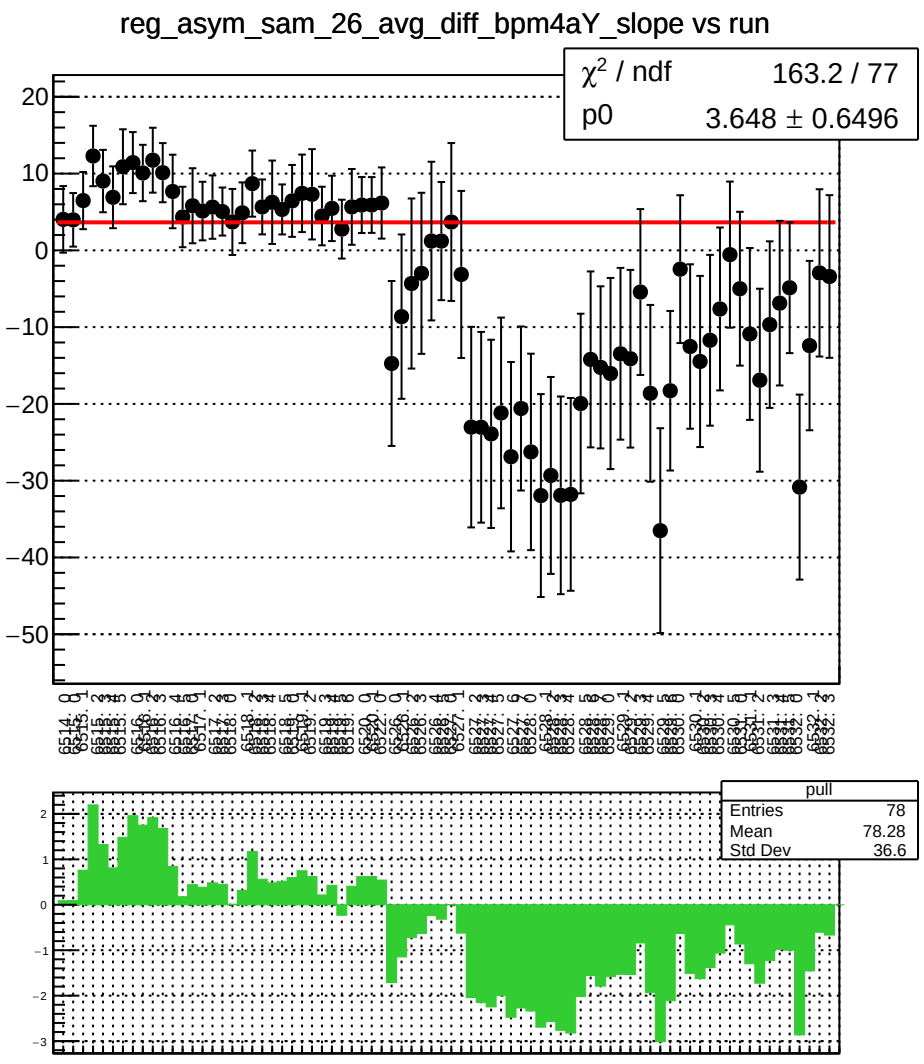

pull1D
Entries 78
Mean −0.1348
Std Dev 0.9084

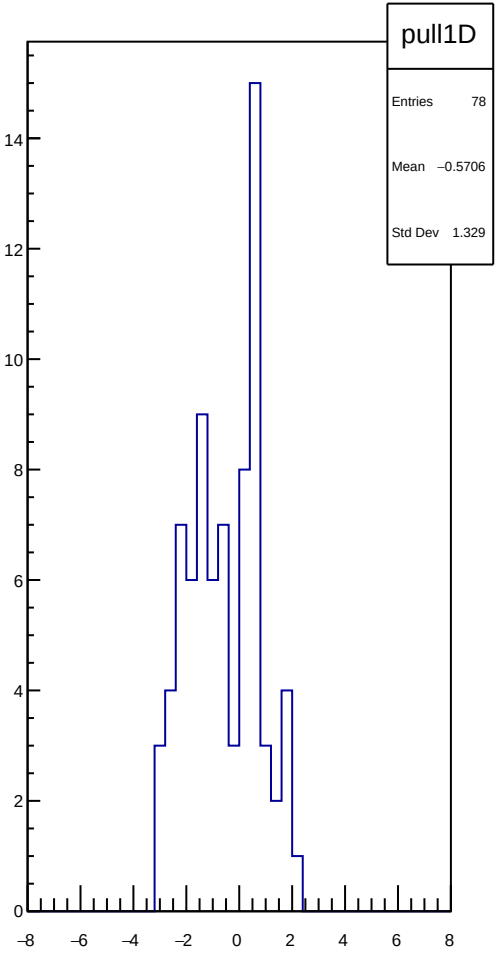

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 7.456 / 77
p0 −0.0794 ± 0.01987
pull
Entries 78
Mean 22.64
Std Dev 68.13

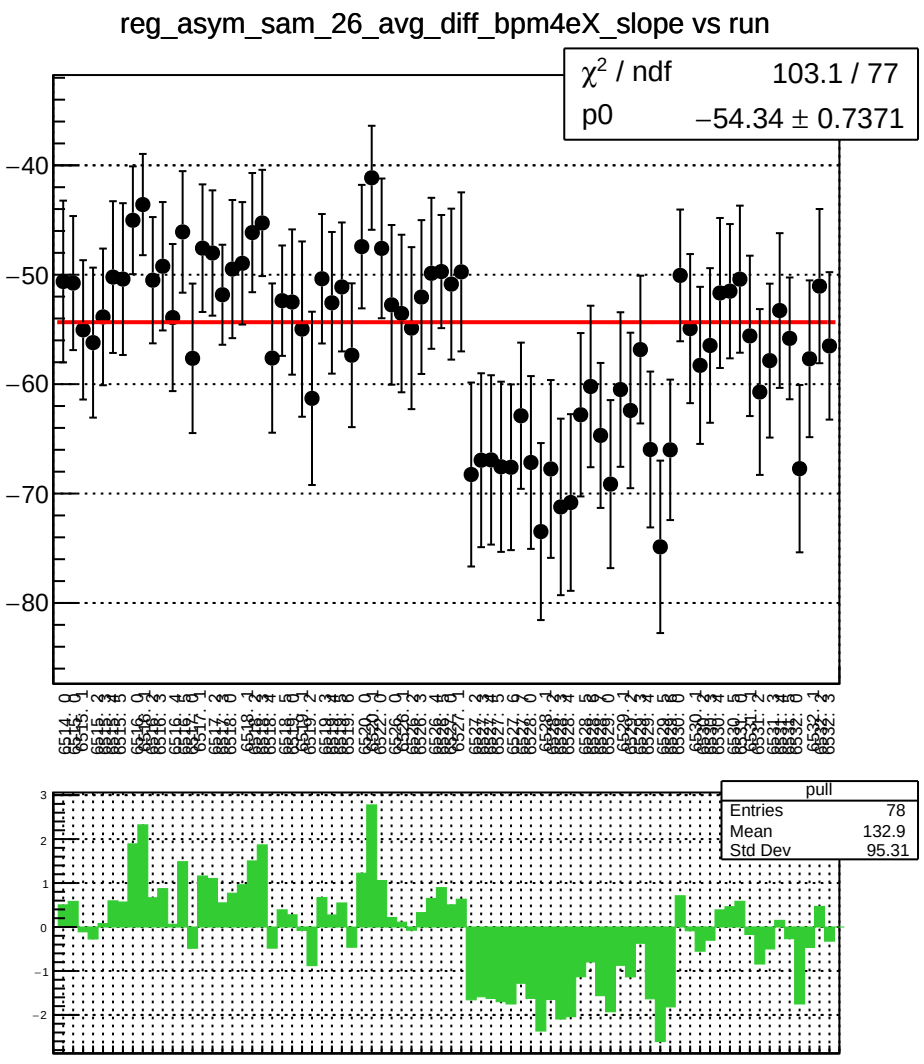

pull1D
Entries 78
Mean −0.008265
Std Dev 0.3091

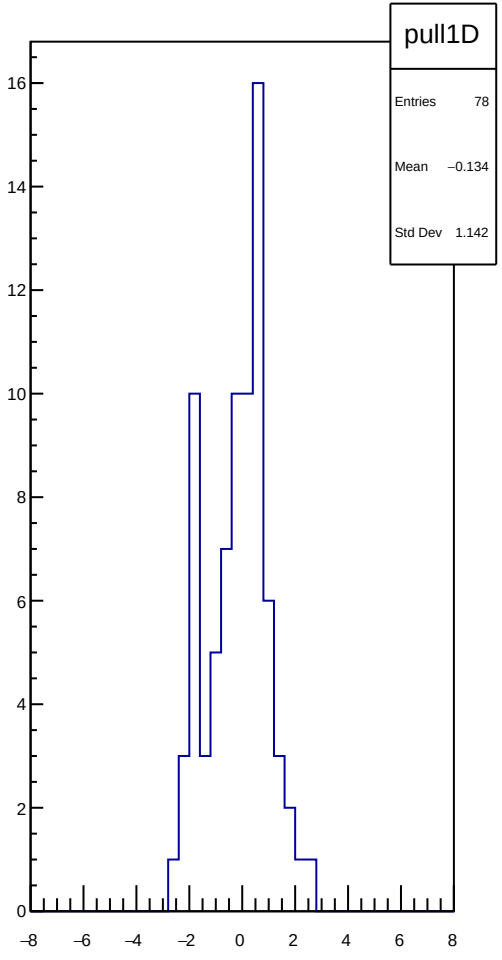

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 95.21 / 77
p0 −16.81 ± 0.6802
pull
Entries 78
Mean 118.3
Std Dev 81.31

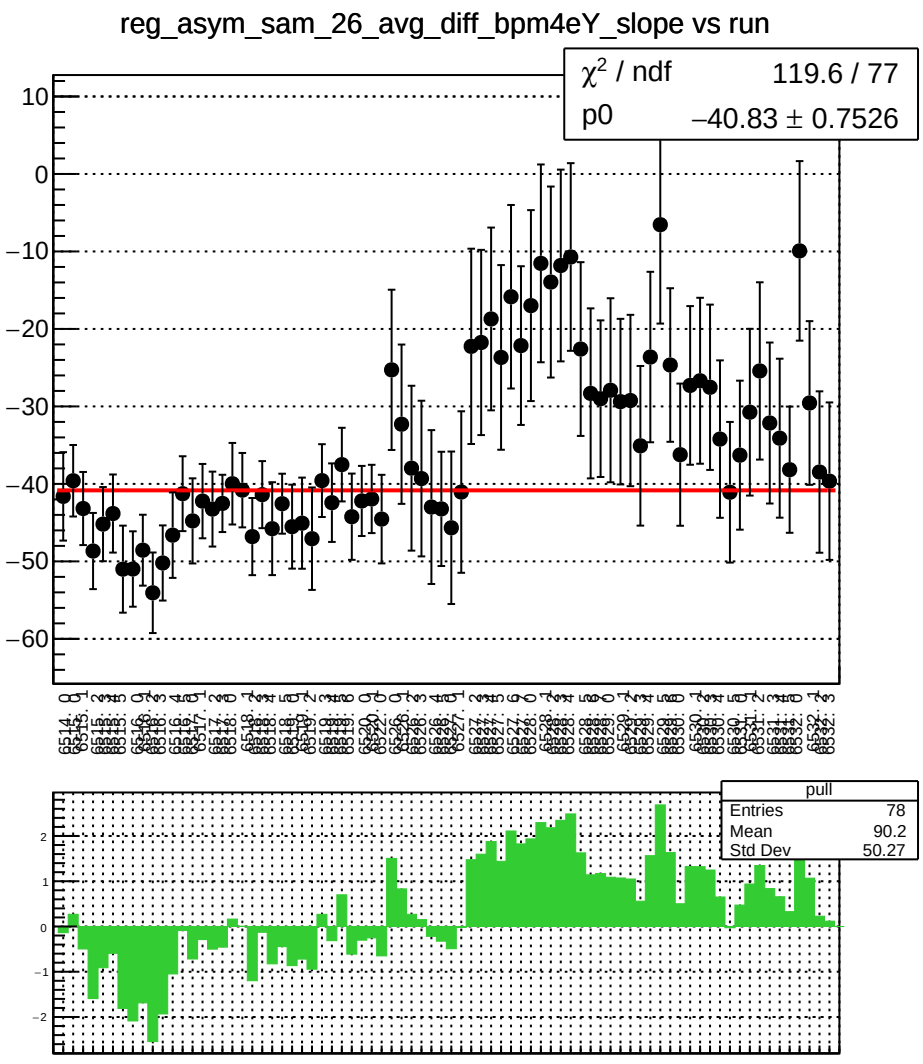

pull1D
Entries 78
Mean 0.1192
Std Dev 1.098

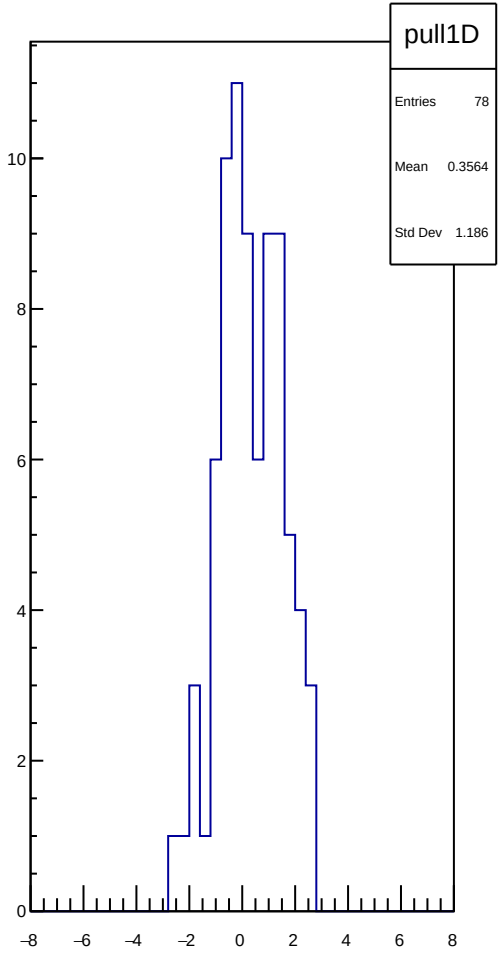

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 163.2 / 77
p0 3.648 ± 0.6496
pull
Entries 78
Mean 78.28
Std Dev 36.6

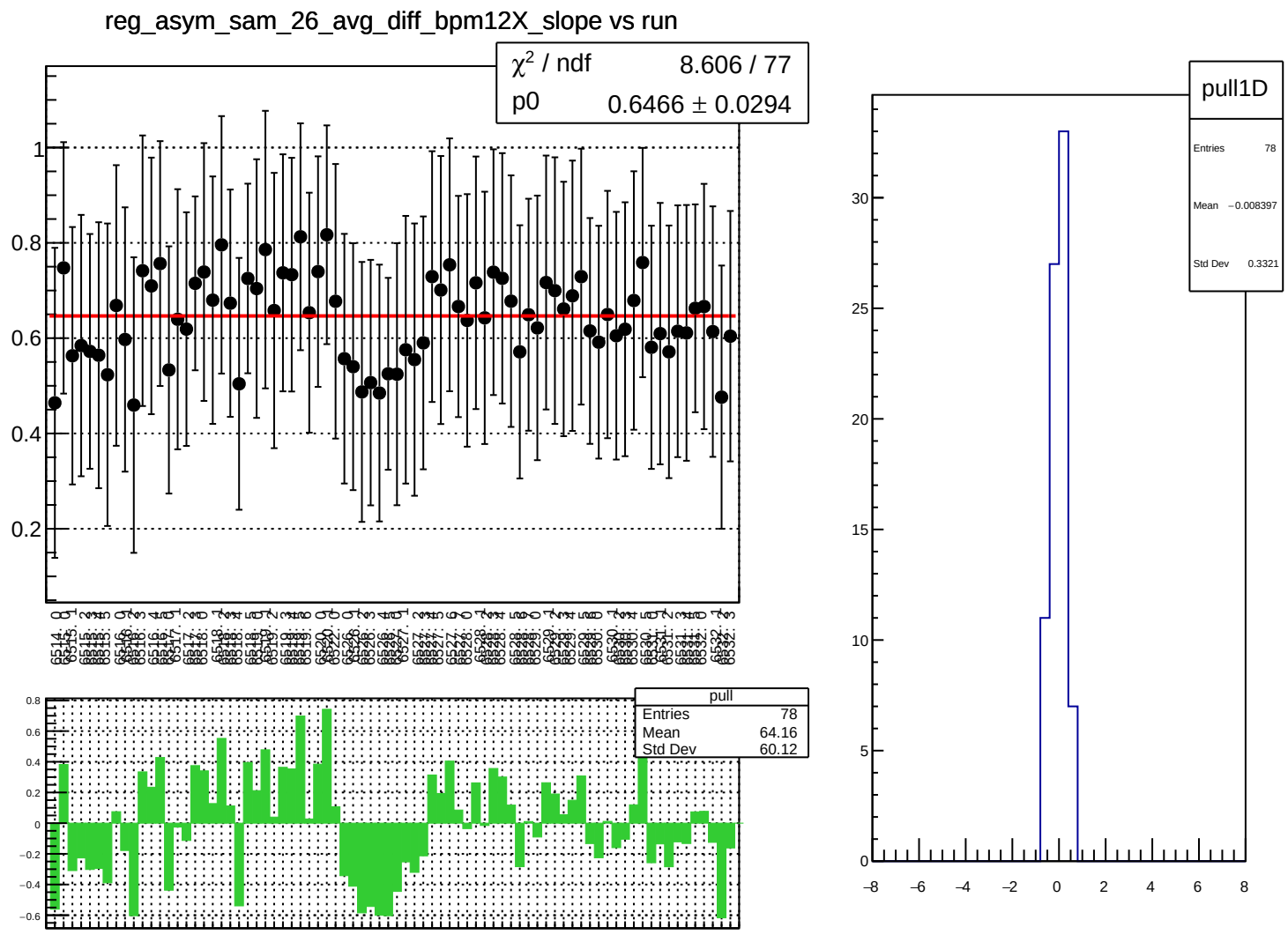

pull1D
Entries 78
Mean −0.5706
Std Dev 1.329

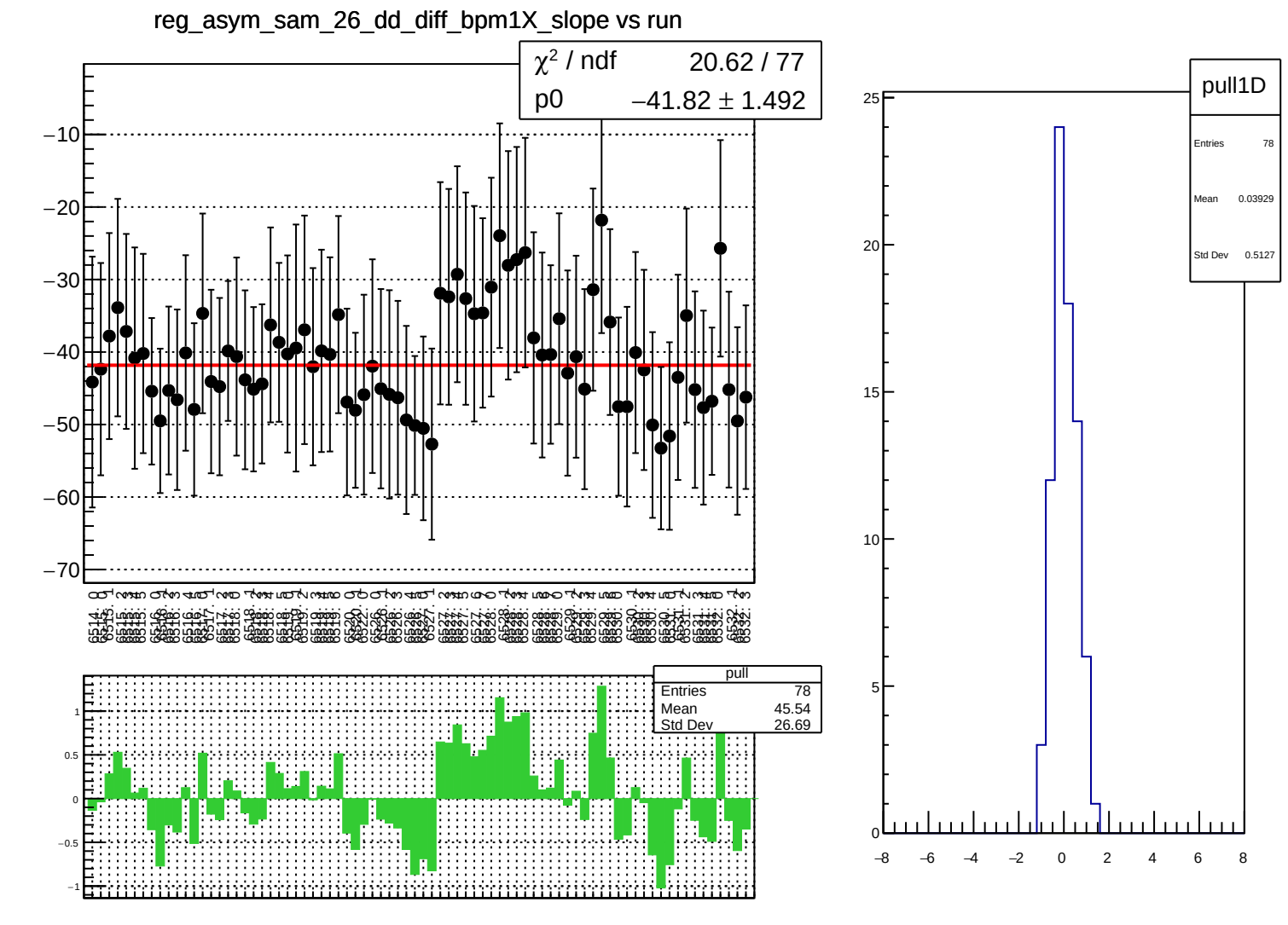

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 103.1 / 77
p0 −54.34 ± 0.7371
pull
Entries 78
Mean 132.9
Std Dev 95.31

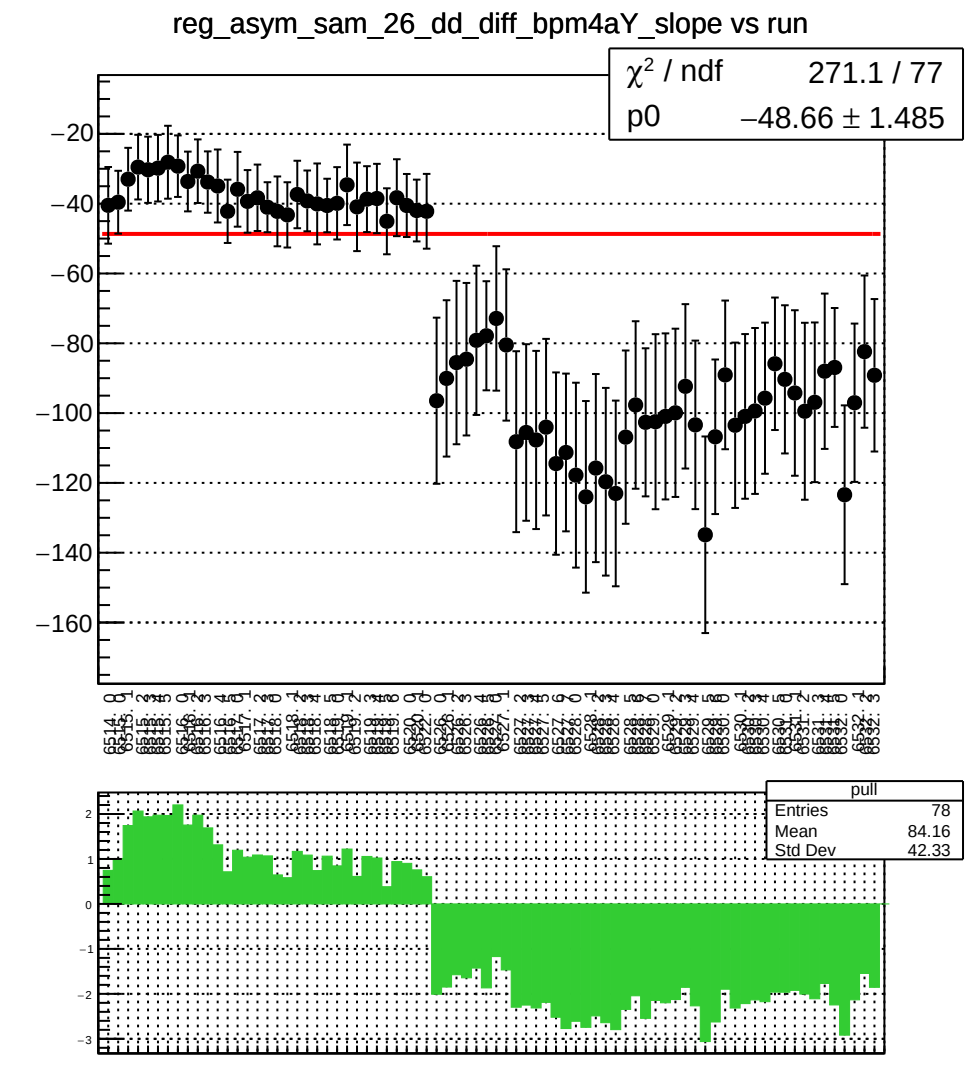

pull1D
Entries 78
Mean −0.134
Std Dev 1.142

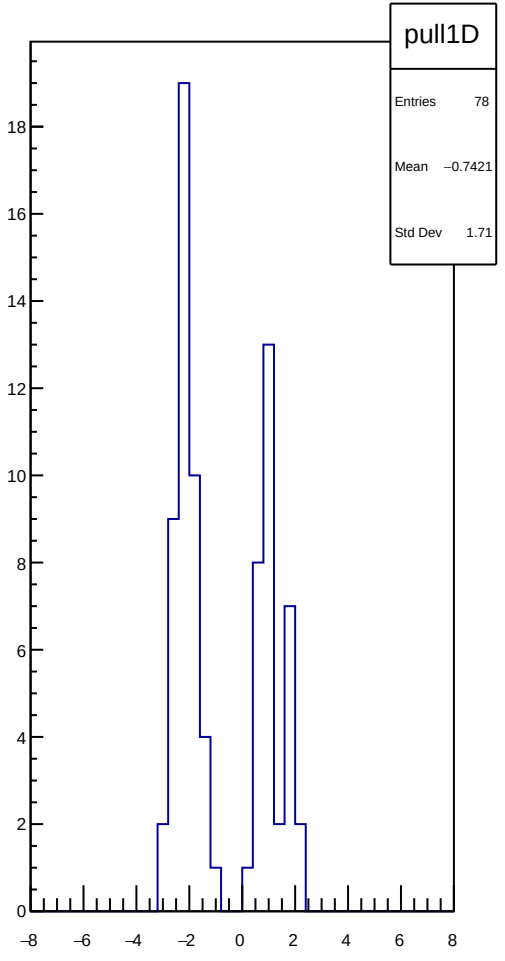

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 119.6 / 77
p0 −40.83 ± 0.7526
pull
Entries 78
Mean 90.2
Std Dev 50.27

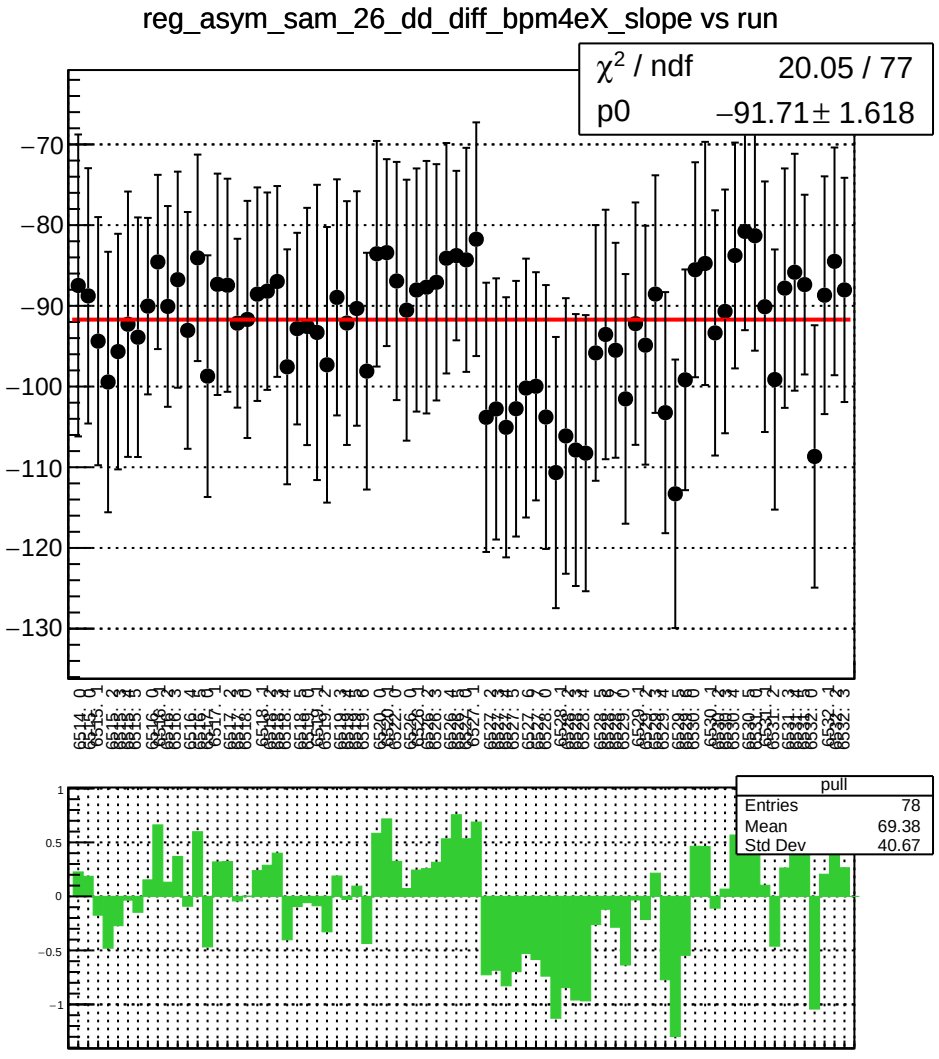

pull1D
Entries 78
Mean 0.3564
Std Dev 1.186

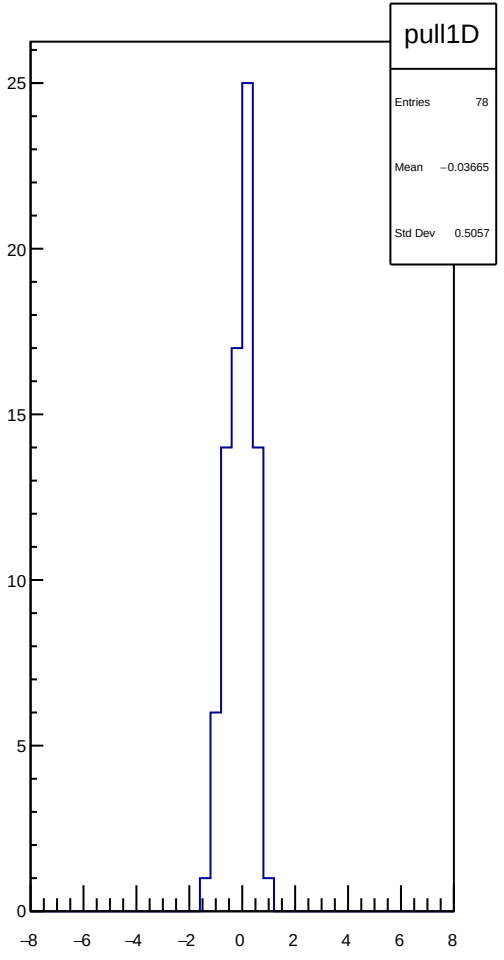

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 8.606 / 77
p0 0.6466 ± 0.0294
pull
Entries 78
Mean 64.16
Std Dev 60.12
pull1D
Entries 78
Mean −0.008397
Std Dev 0.3321

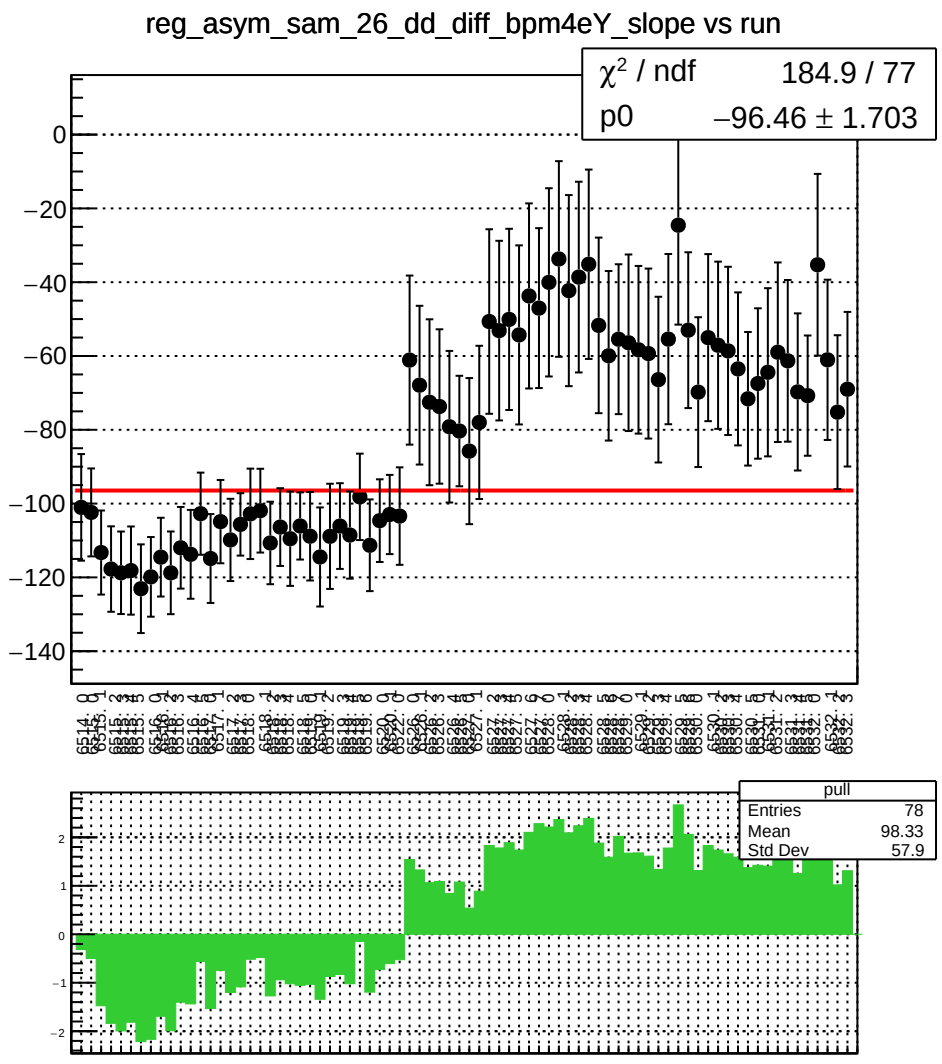

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 20.62 / 77
p0 −41.82 ± 1.492
pull
Entries 78
Mean 45.54
Std Dev 26.69
pull1D
Entries 78
Mean 0.03929
Std Dev 0.5127

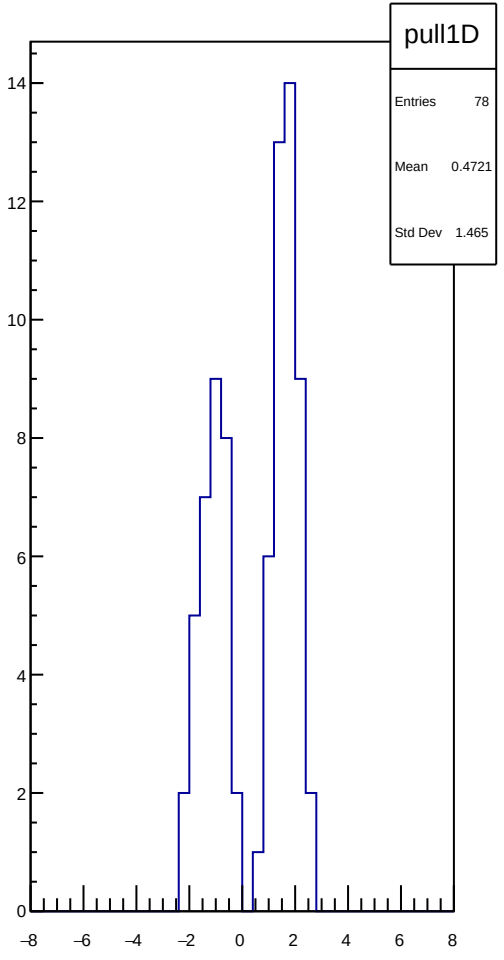

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 271.1 / 77
p0 −48.66 ± 1.485
pull
Entries 78
Mean 84.16
Std Dev 42.33

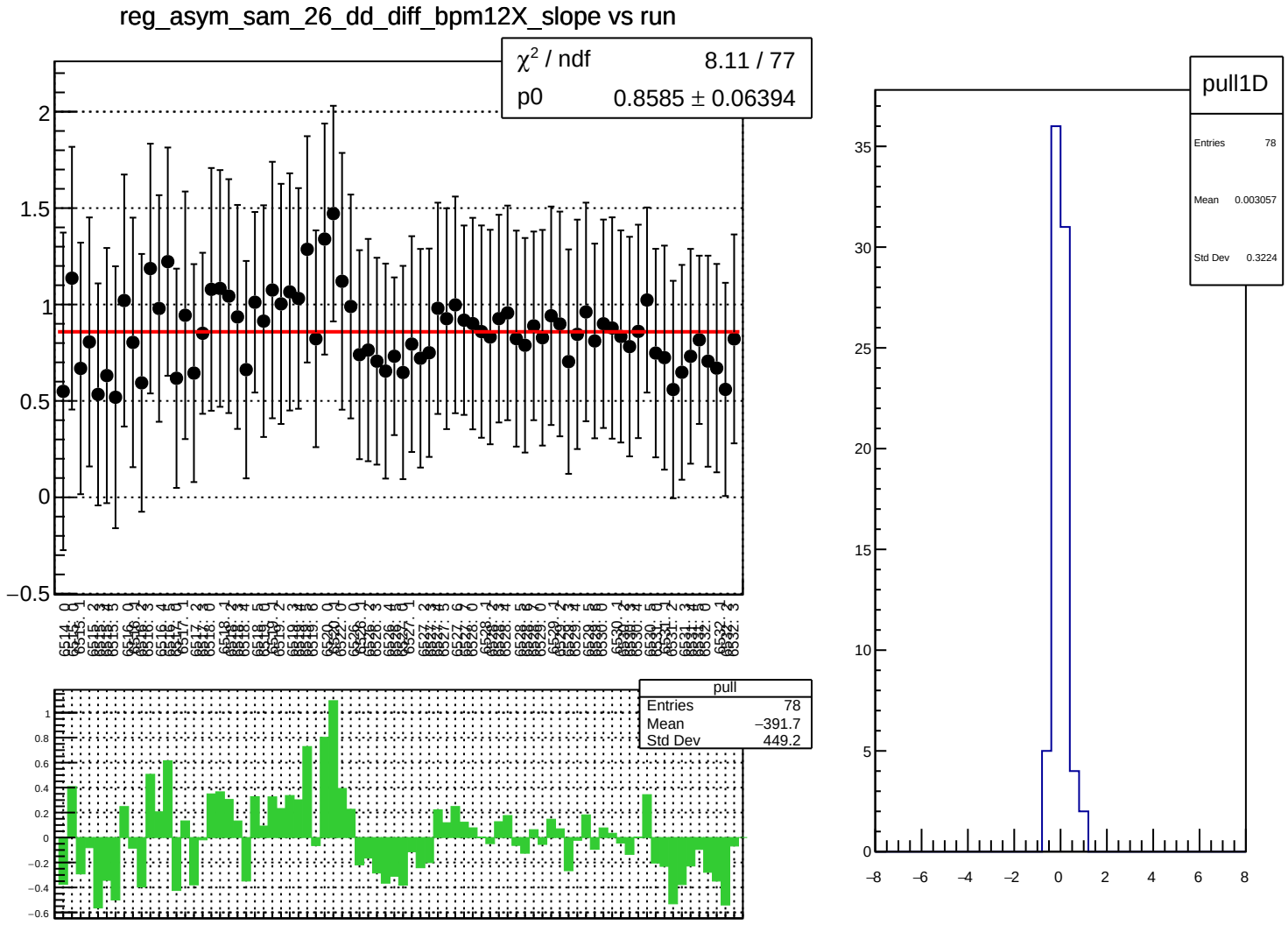

pull1D
Entries 78
Mean −0.7421
Std Dev 1.71

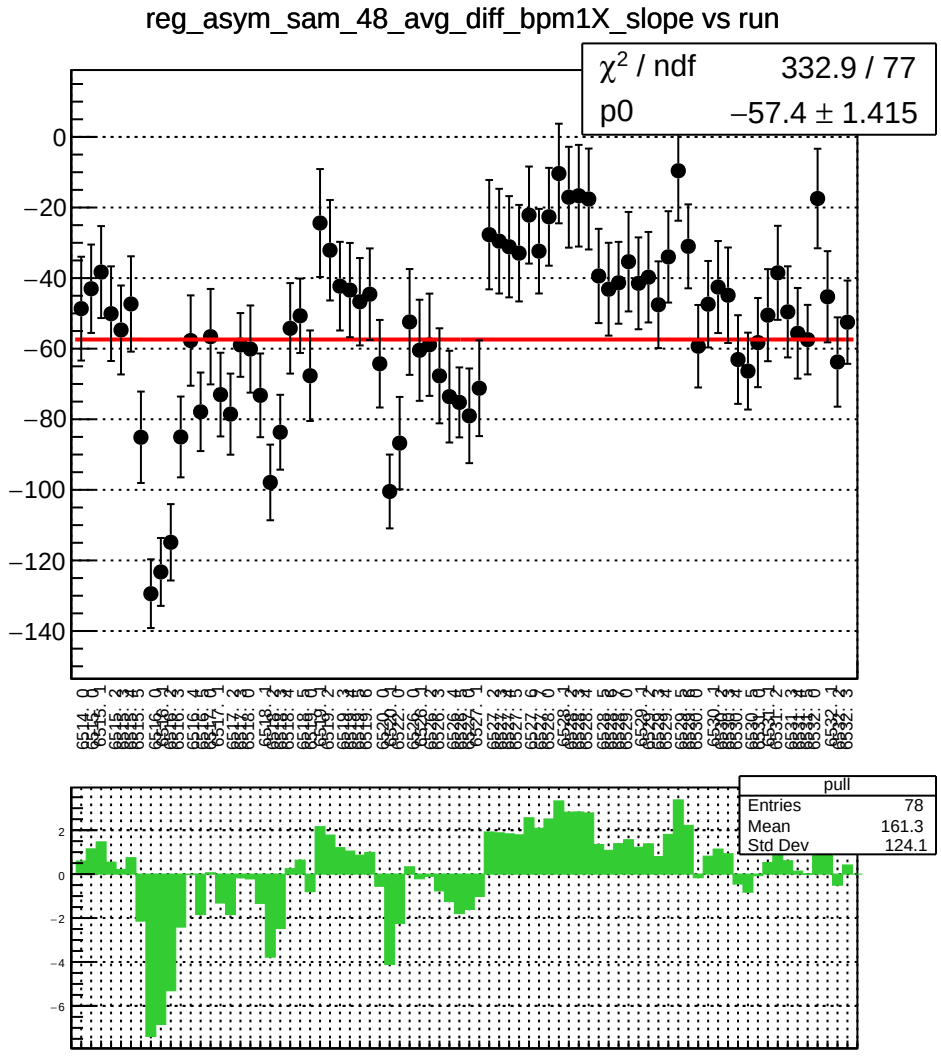

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 20.05 / 77
p0 −91.71 ± 1.618
pull
Entries 78
Mean 69.38
Std Dev 40.67

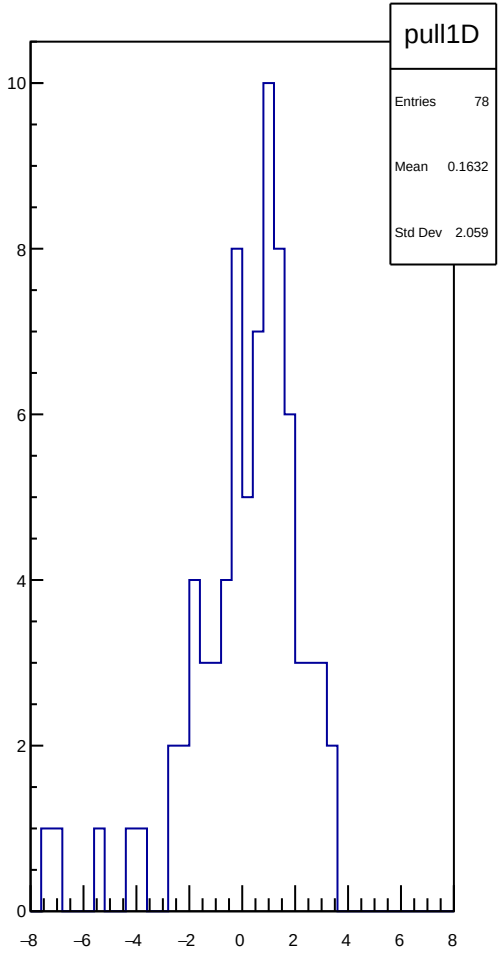

pull1D
Entries 78
Mean −0.03665
Std Dev 0.5057

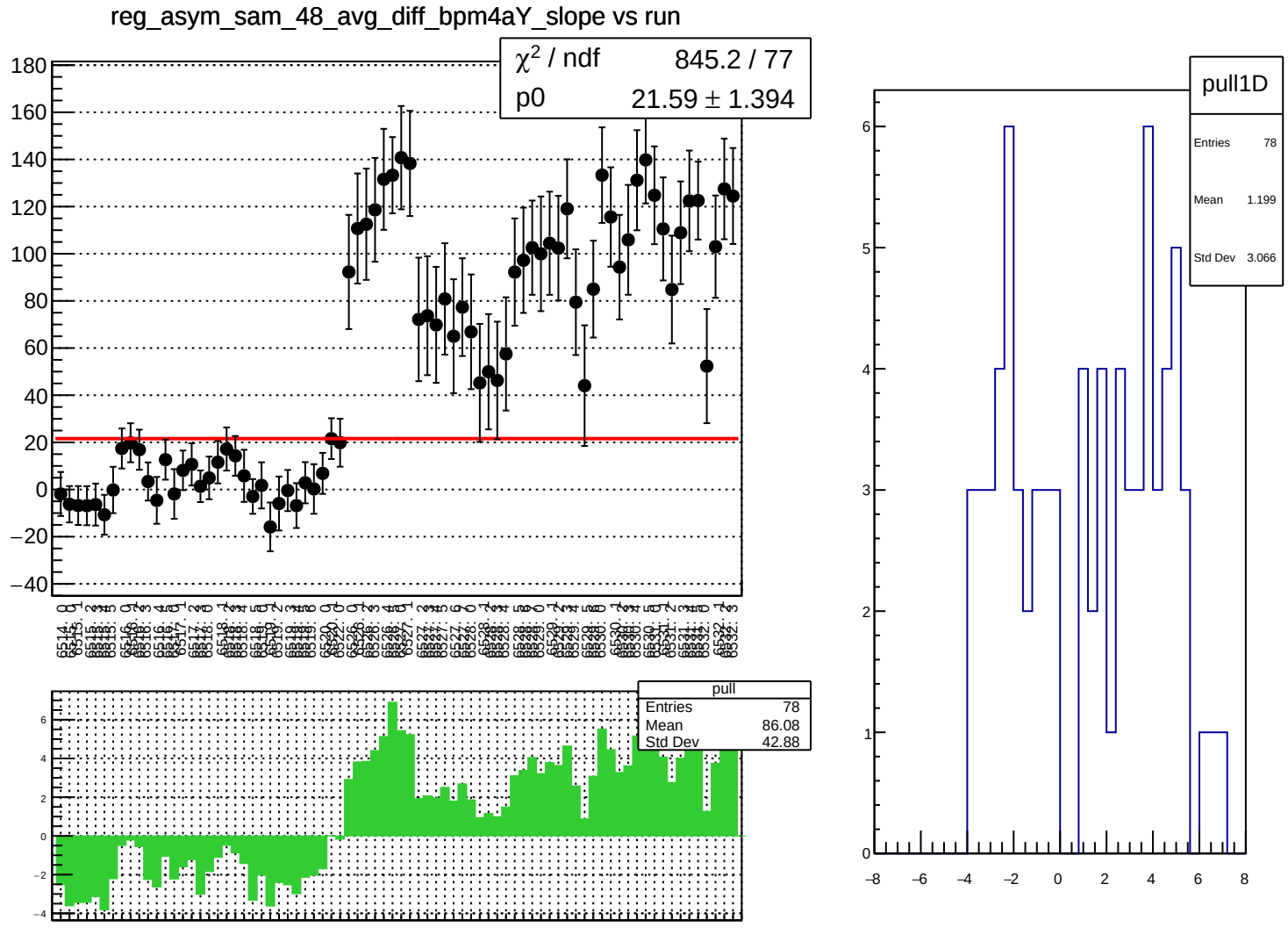

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 184.9 / 77
p0 −96.46 ± 1.703
pull
Entries 78
Mean 98.33
Std Dev 57.9

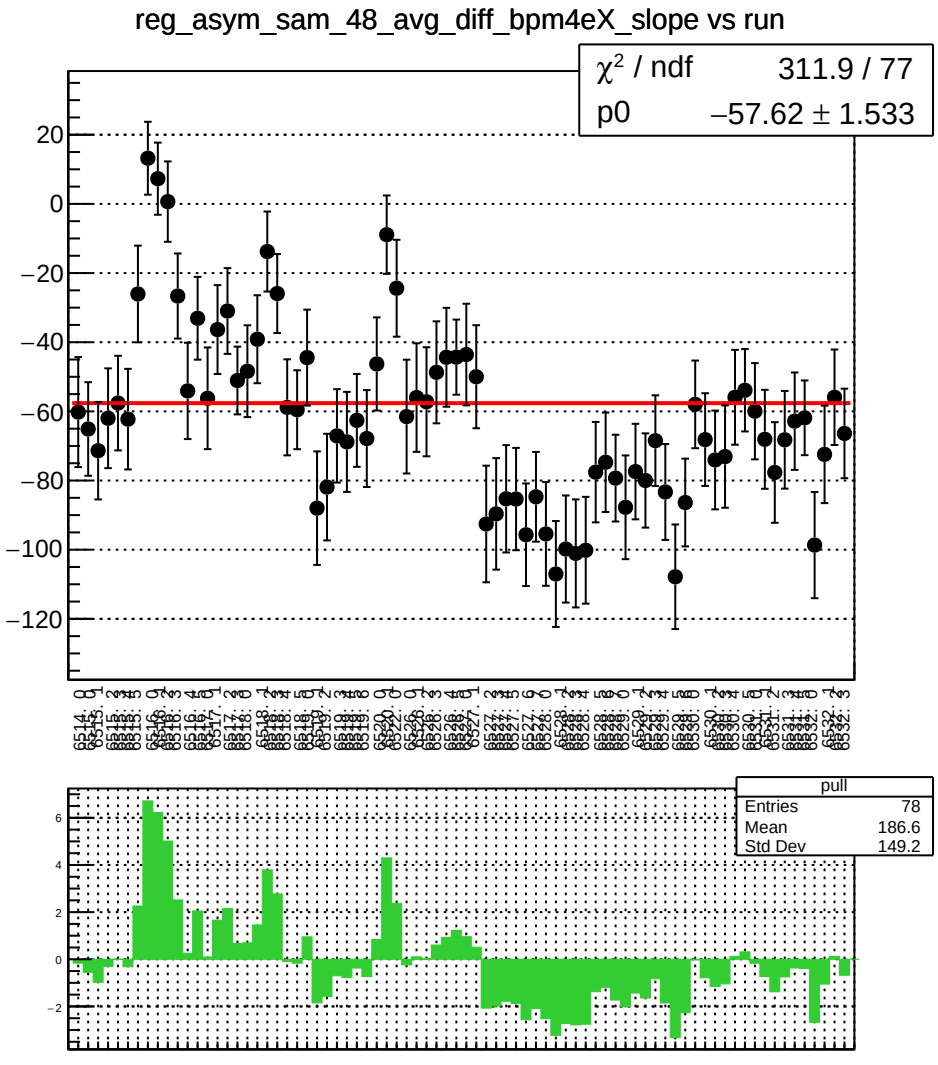

pull1D
Entries 78
Mean 0.4721
Std Dev 1.465

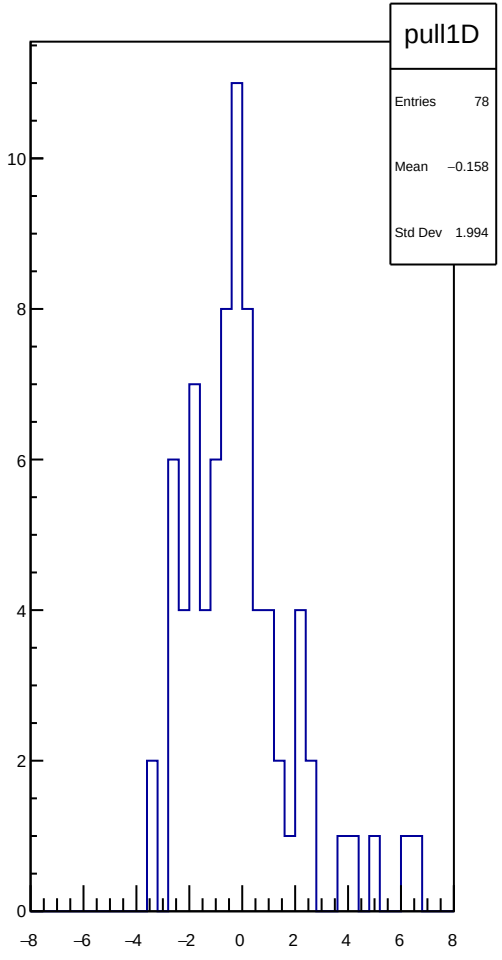

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 8.11 / 77
p0 0.8585 ± 0.06394
pull
Entries 78
Mean −391.7
Std Dev 449.2
pull1D
Entries 78
Mean 0.003057
Std Dev 0.3224

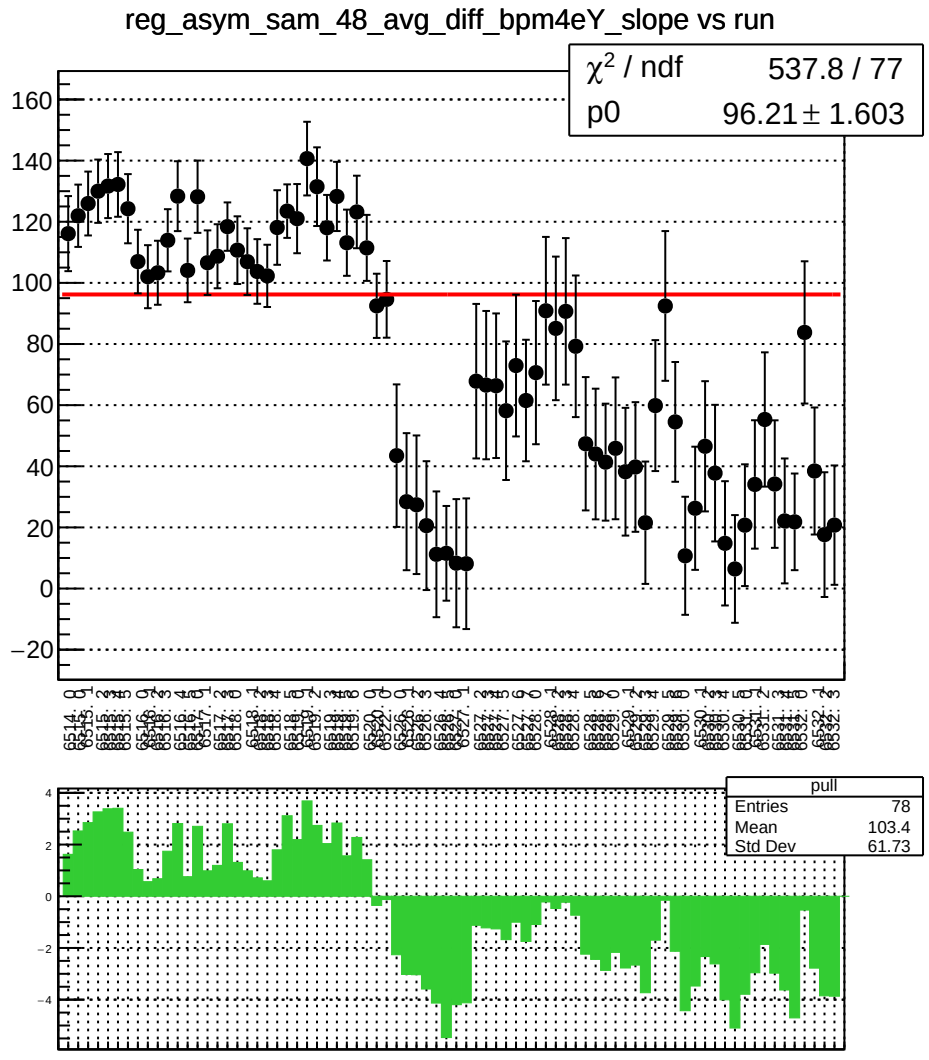

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 332.9 / 77
p0 −57.4 ± 1.415
pull
Entries 78
Mean 161.3
Std Dev 124.1

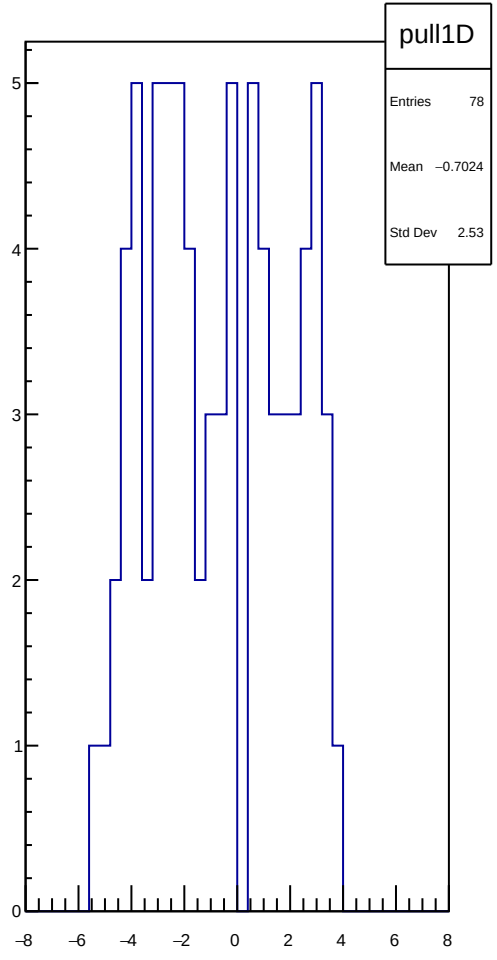

pull1D
Entries 78
Mean 0.1632
Std Dev 2.059

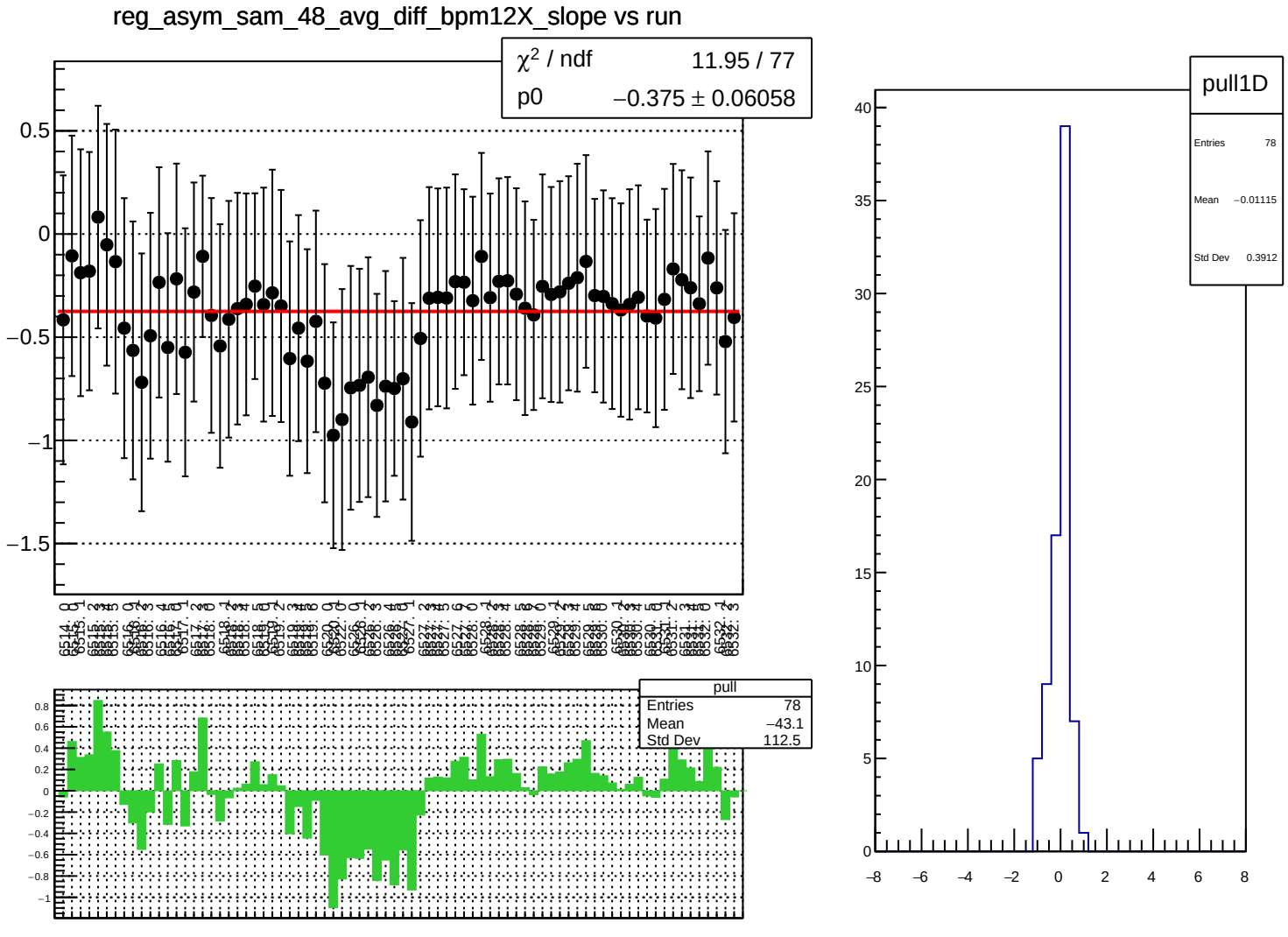

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 845.2 / 77
p0 21.59 ± 1.394
pull
Entries 78
Mean 86.08
Std Dev 42.88
pull1D
Entries 78
Mean 1.199
Std Dev 3.066

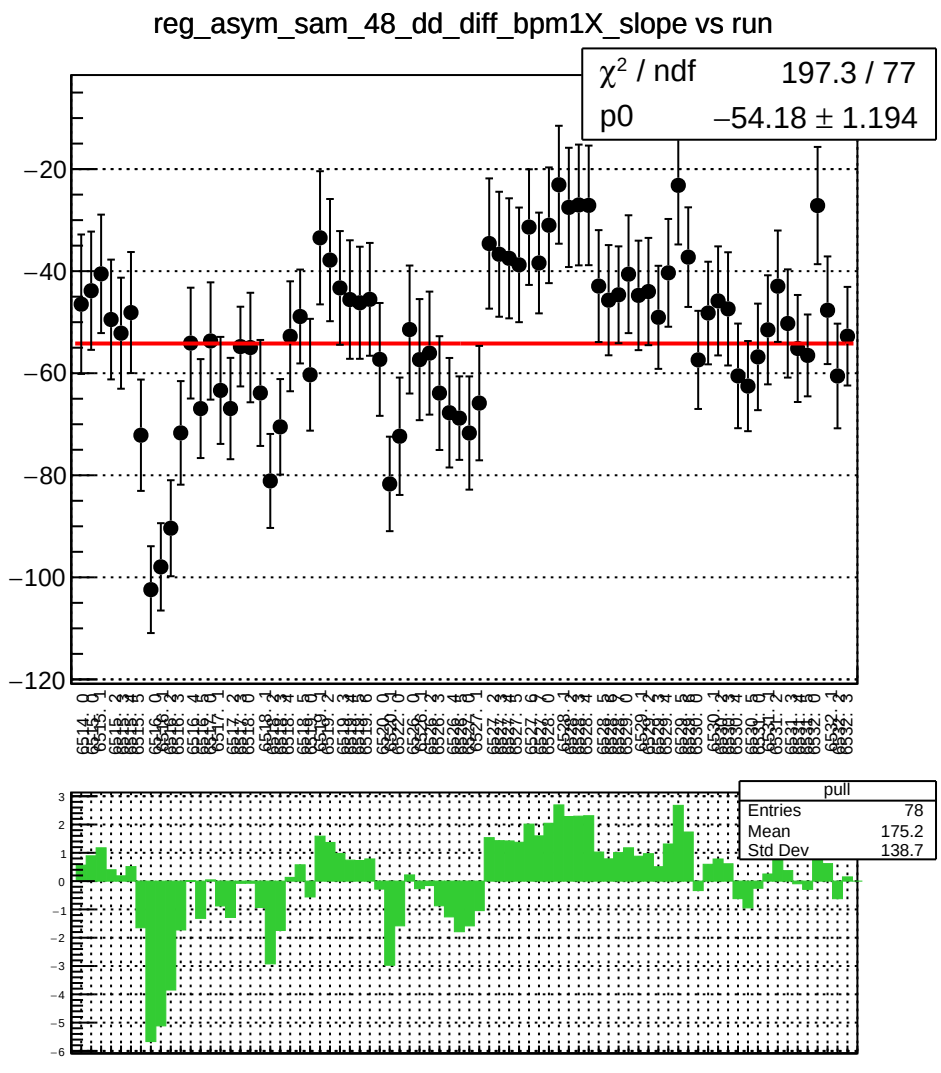

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 311.9 / 77
p0 −57.62 ± 1.533
pull
Entries 78
Mean 186.6
Std Dev 149.2

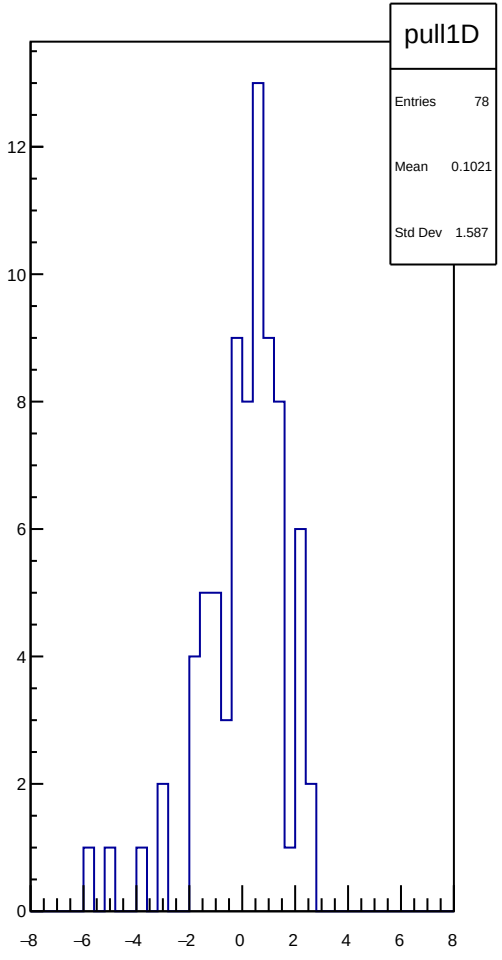

pull1D
Entries 78
Mean −0.158
Std Dev 1.994

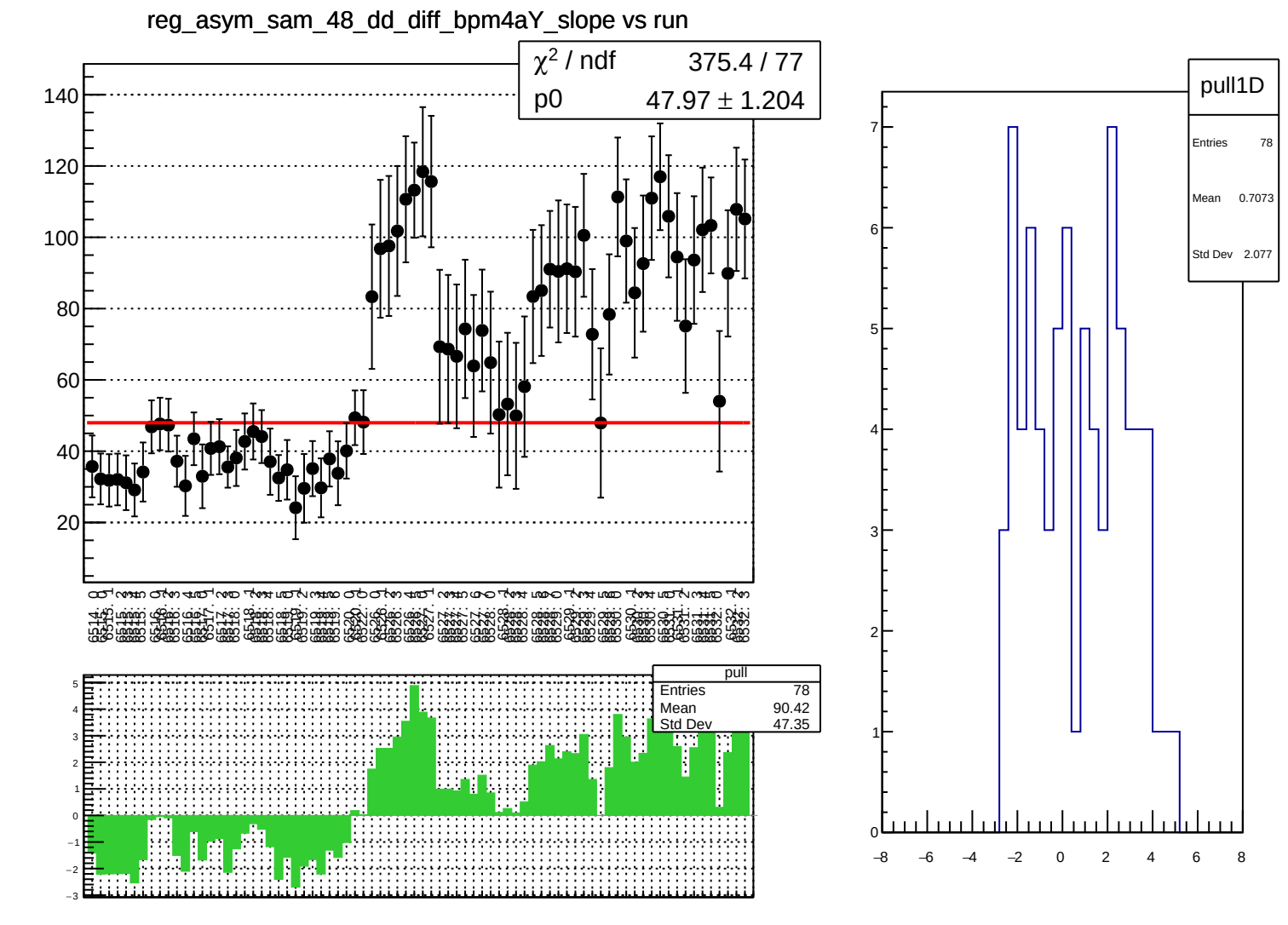

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 537.8 / 77
p0 96.21 ± 1.603
pull
Entries 78
Mean 103.4
Std Dev 61.73

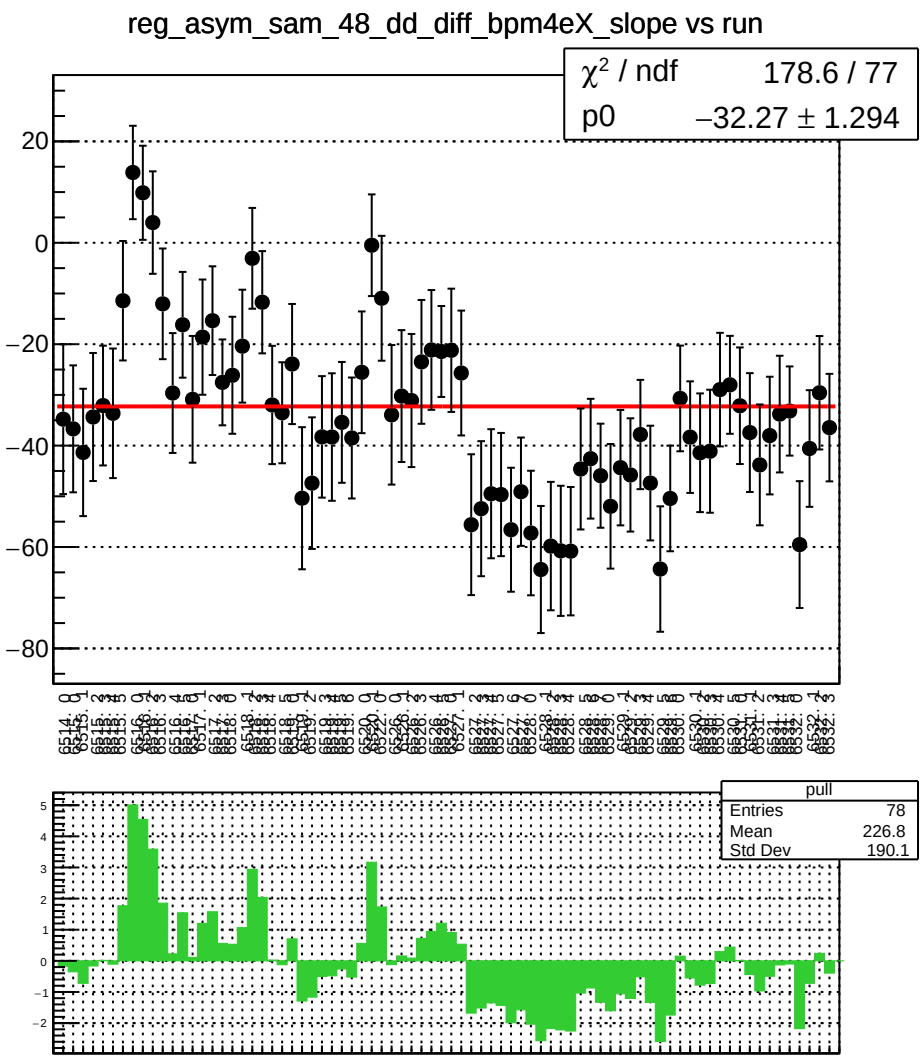

pull1D
Entries 78
Mean −0.7024
Std Dev 2.53

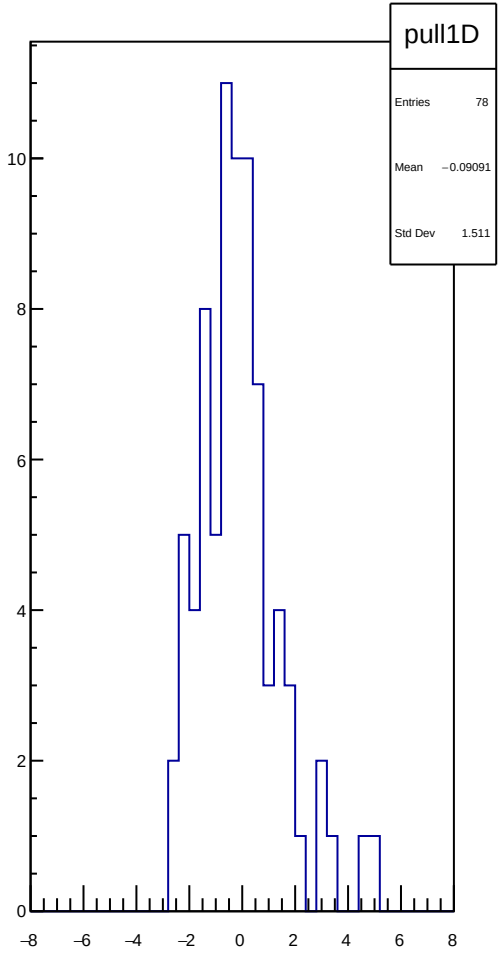

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 11.95 / 77
p0 −0.375 ± 0.06058
pull
Entries 78
Mean −43.1
Std Dev 112.5
pull1D
Entries 78
Mean −0.01115
Std Dev 0.3912

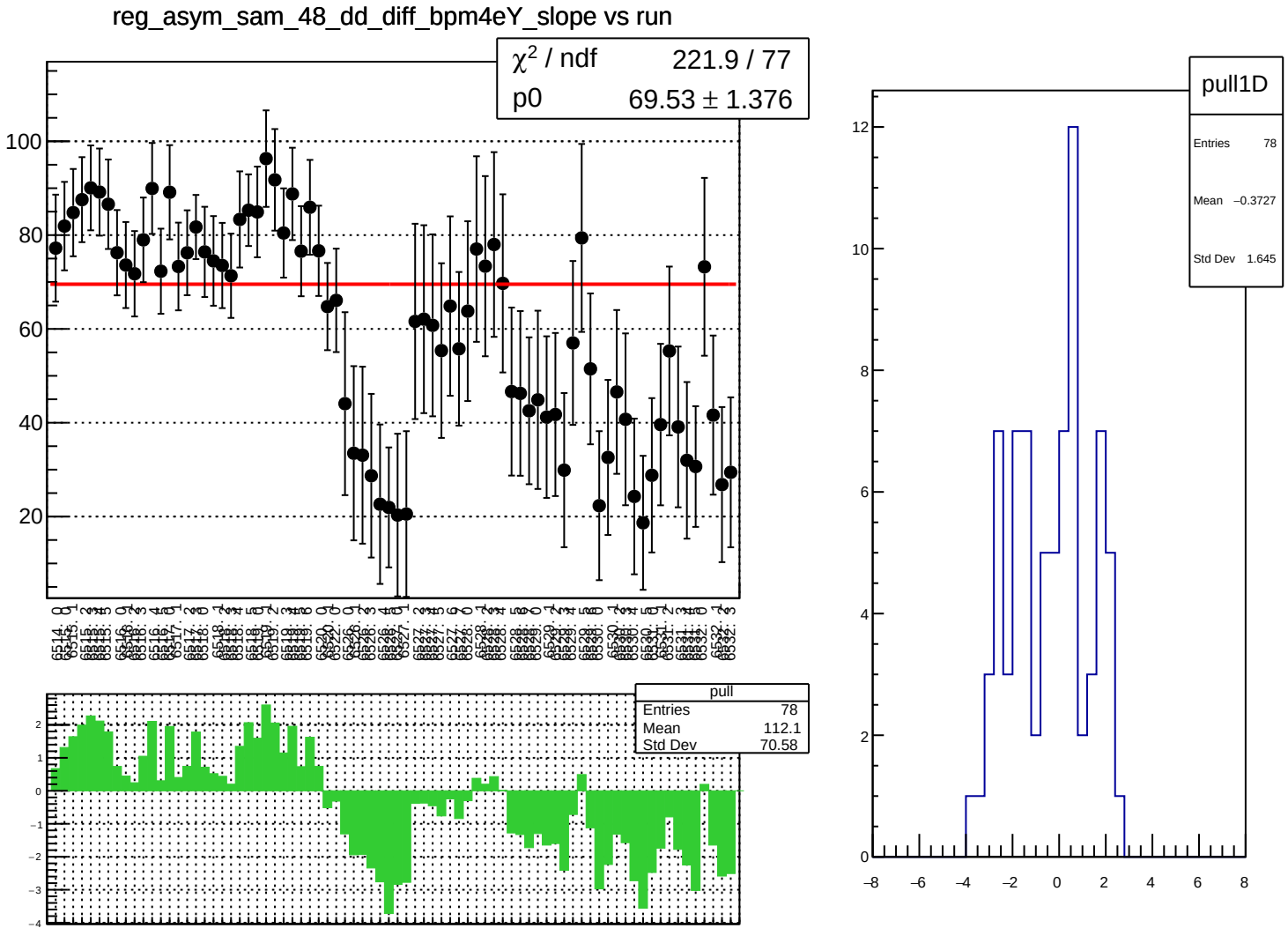

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 197.3 / 77
p0 −54.18 ± 1.194
pull
Entries 78
Mean 175.2
Std Dev 138.7

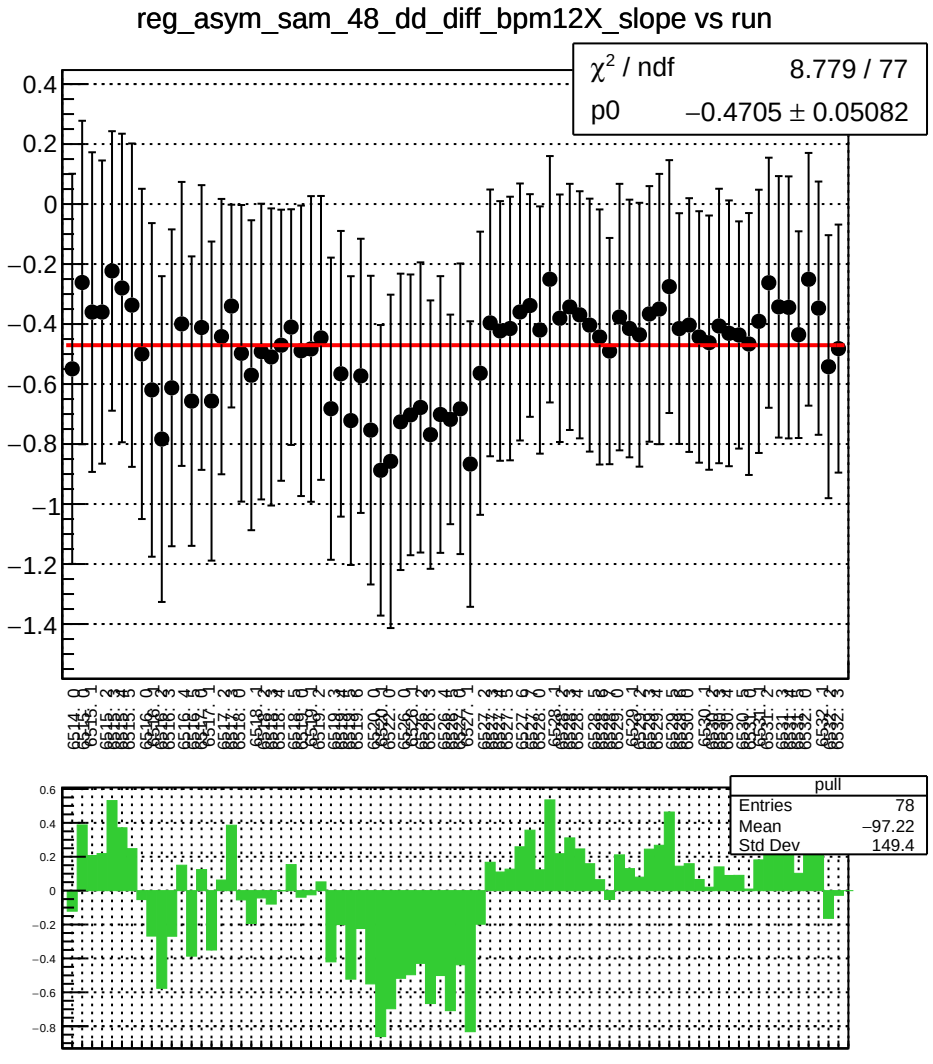

pull1D
Entries 78
Mean 0.1021
Std Dev 1.587

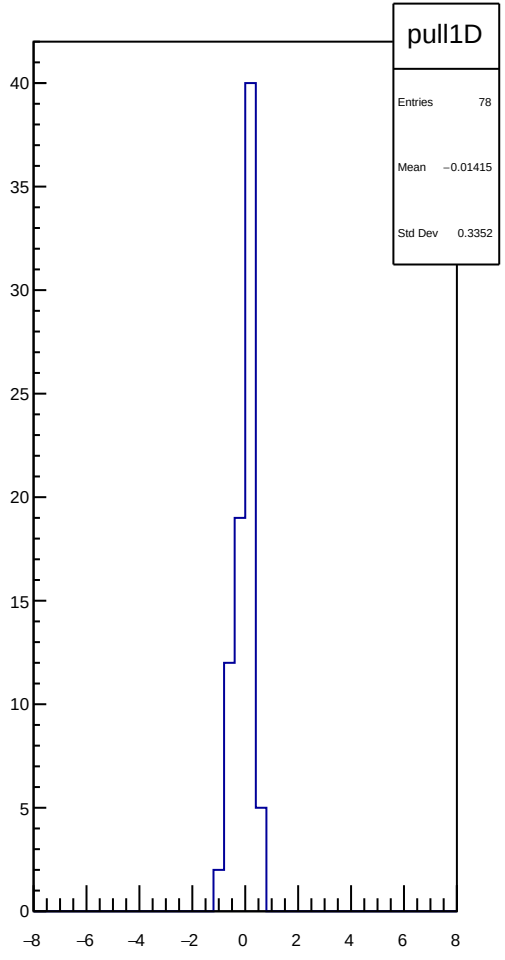

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 375.4 / 77
p0 47.97 ± 1.204
pull
Entries 78
Mean 90.42
Std Dev 47.35
pull1D
Entries 78
Mean 0.7073
Std Dev 2.077

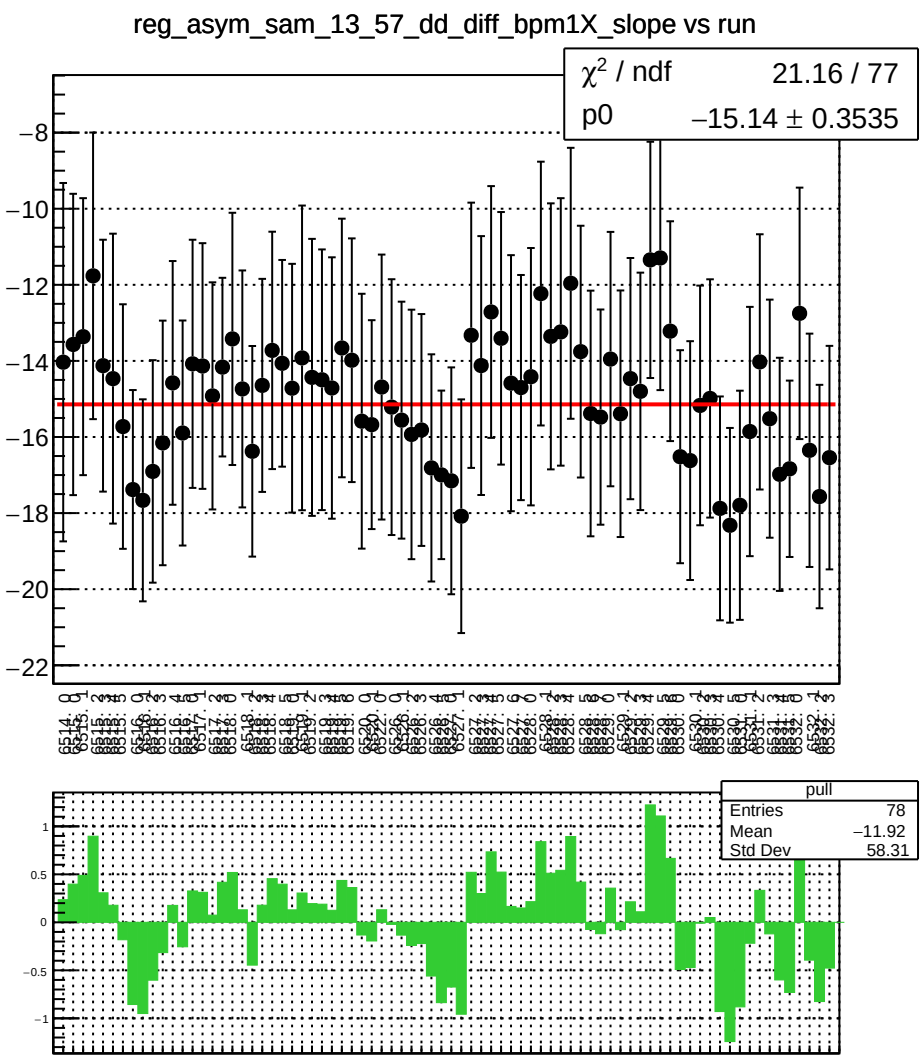

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 178.6 / 77
p0 −32.27 ± 1.294
pull
Entries 78
Mean 226.8
Std Dev 190.1

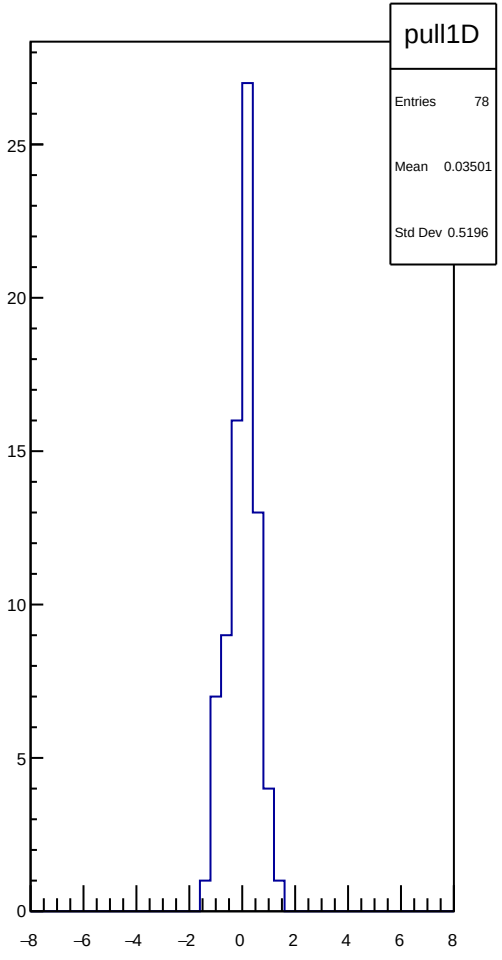

pull1D
Entries 78
Mean −0.09091
Std Dev 1.511

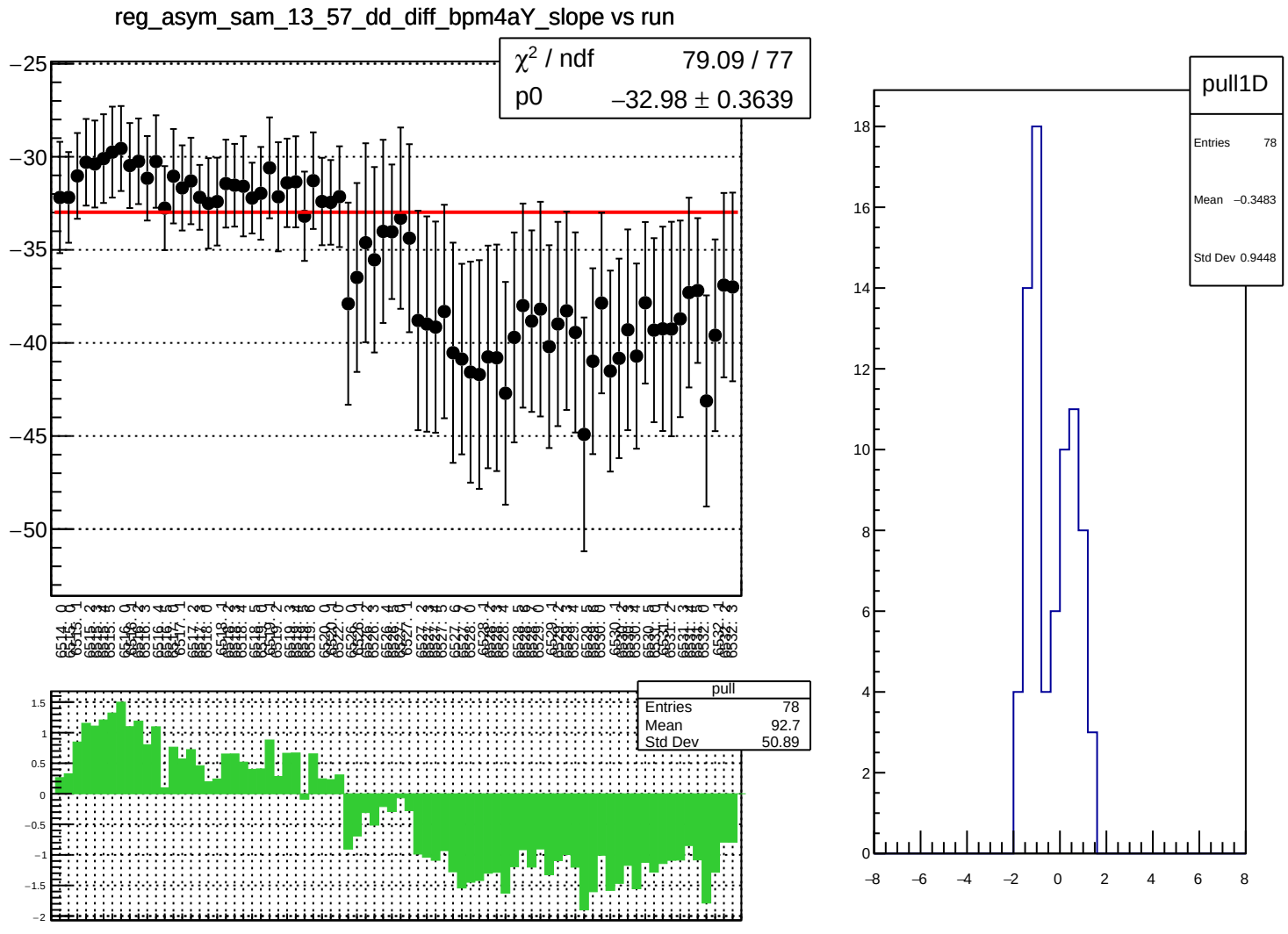

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 221.9 / 77
p0 69.53 ± 1.376
pull
Entries 78
Mean 112.1
Std Dev 70.58
pull1D
Entries 78
Mean −0.3727
Std Dev 1.645

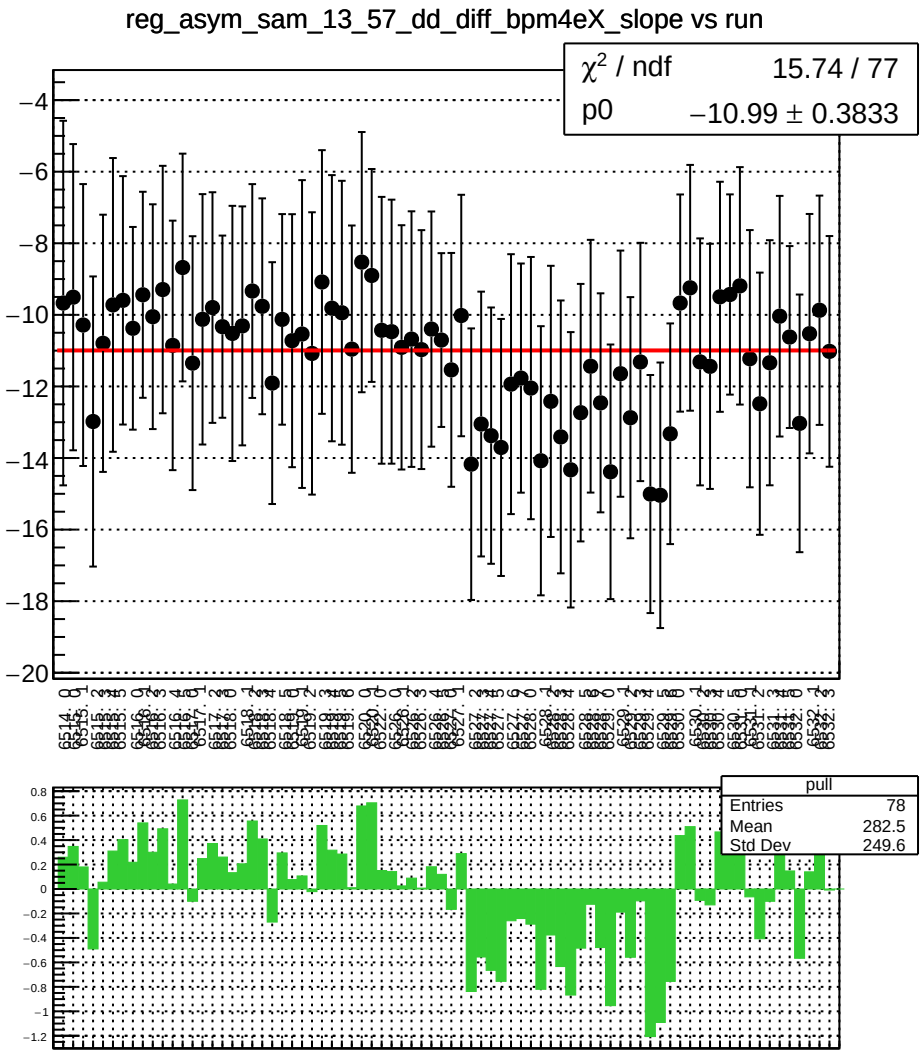

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 8.779 / 77
p0 −0.4705 ± 0.05082
pull
Entries 78
Mean −97.22
Std Dev 149.4

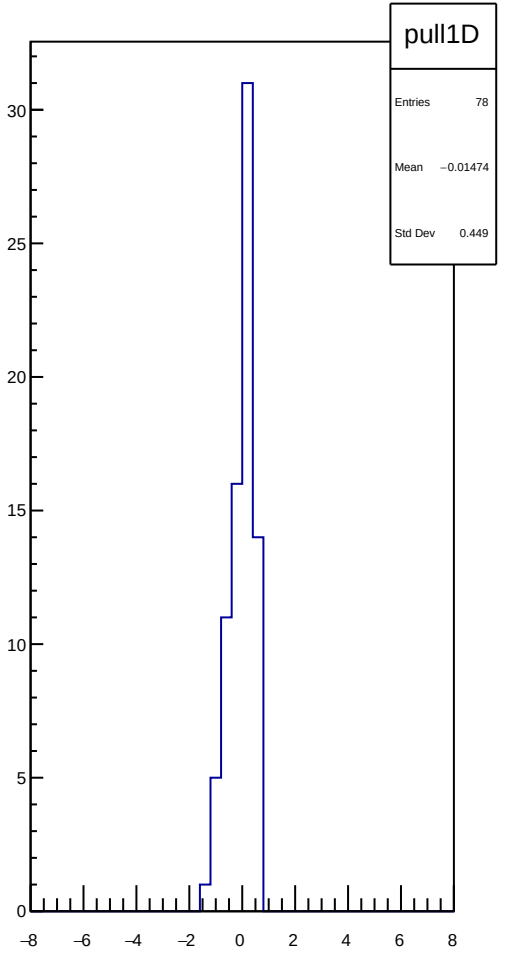

pull1D
Entries 78
Mean −0.01415
Std Dev 0.3352

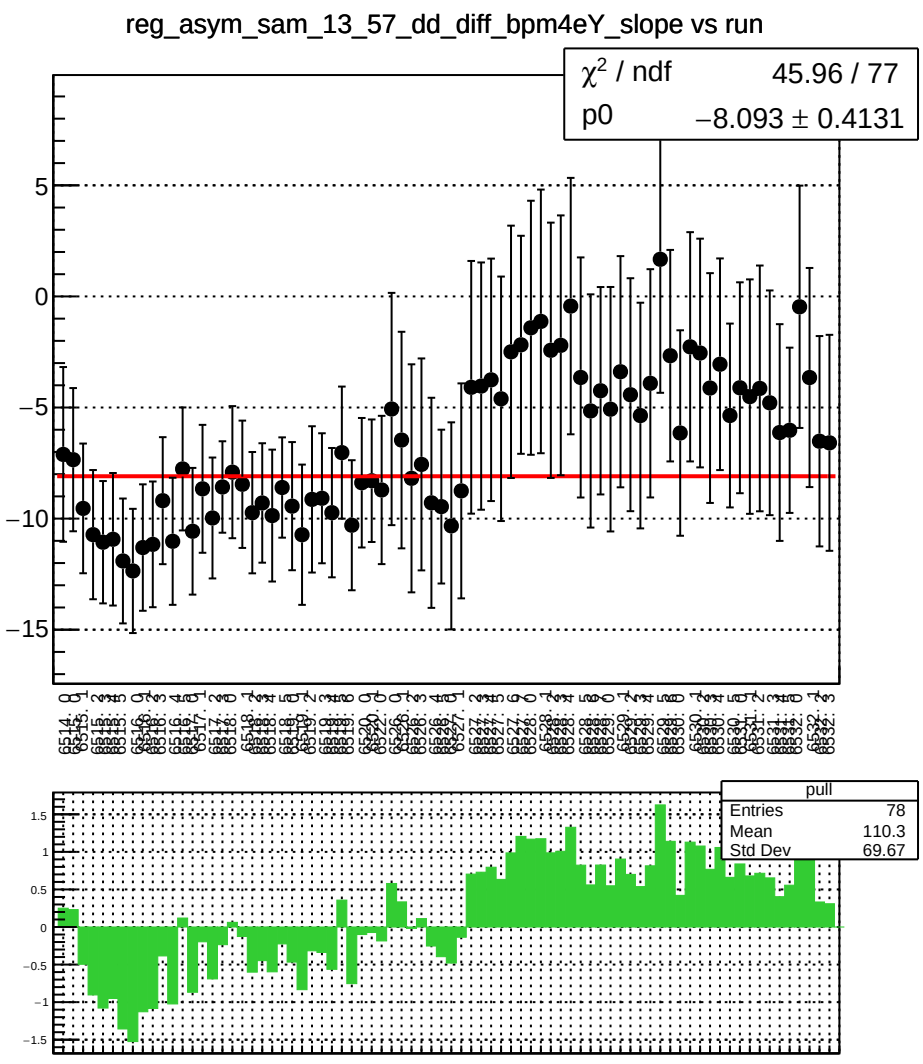

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 21.16 / 77
p0 −15.14 ± 0.3535
pull
Entries 78
Mean −11.92
Std Dev 58.31

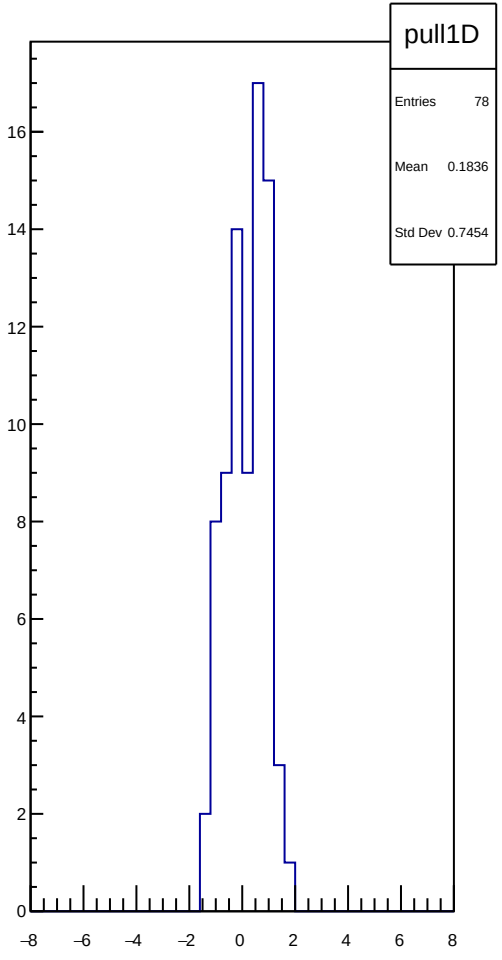

pull1D
Entries 78
Mean 0.03501
Std Dev 0.5196

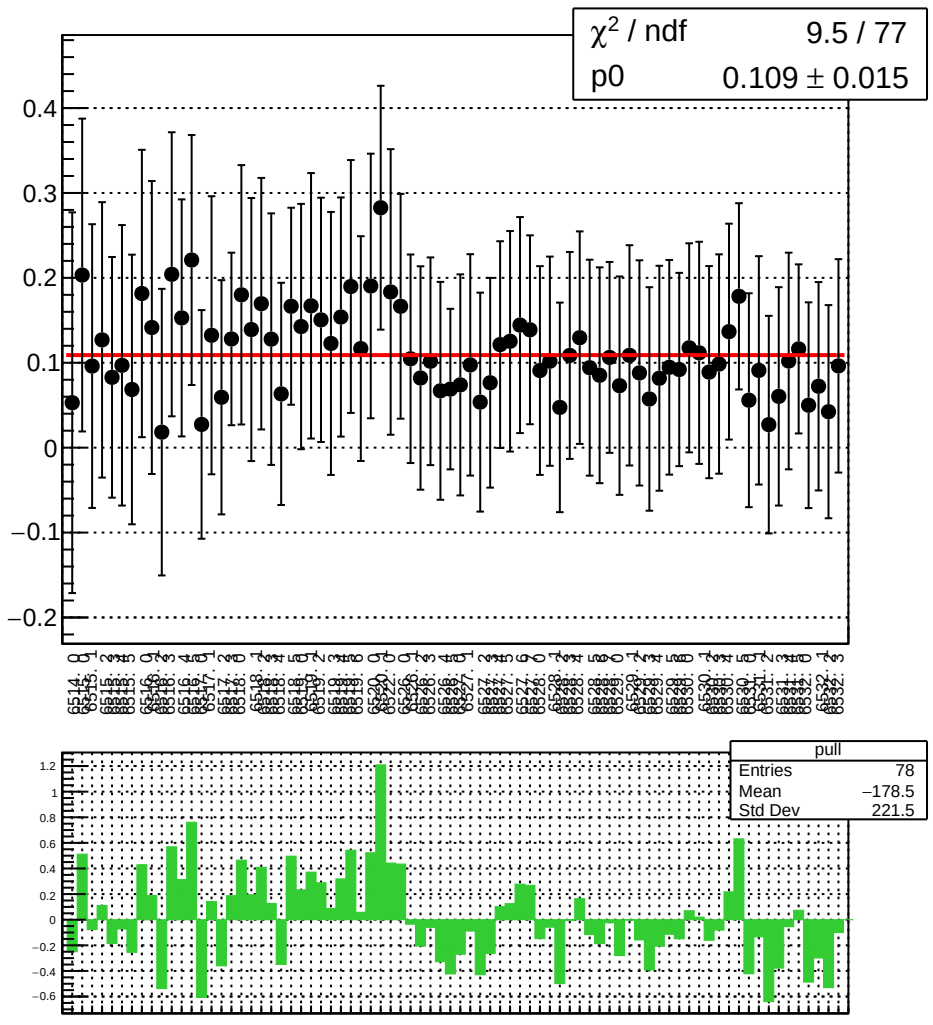

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 79.09 / 77
p0 −32.98 ± 0.3639
pull
Entries 78
Mean 92.7
Std Dev 50.89
pull1D
Entries 78
Mean −0.3483
Std Dev 0.9448

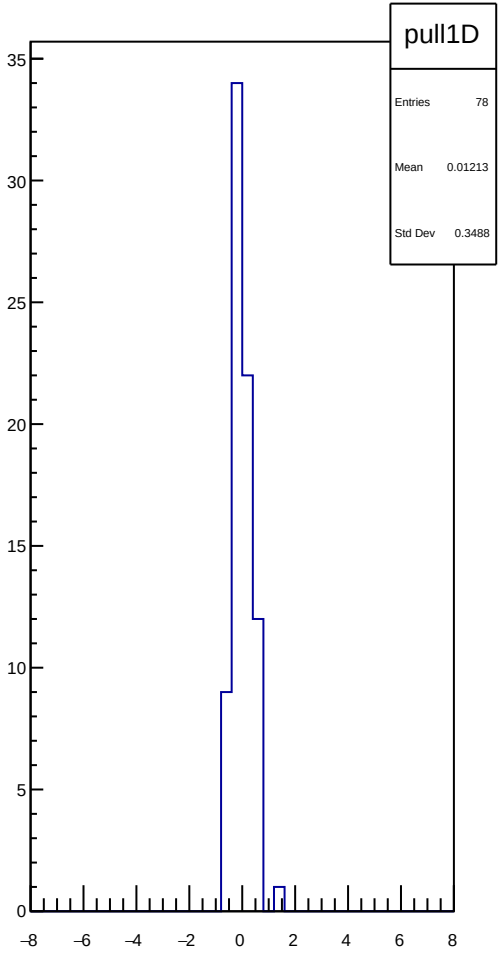

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 15.74 / 77
p0 −10.99 ± 0.3833
pull
Entries 78
Mean 282.5
Std Dev 249.6

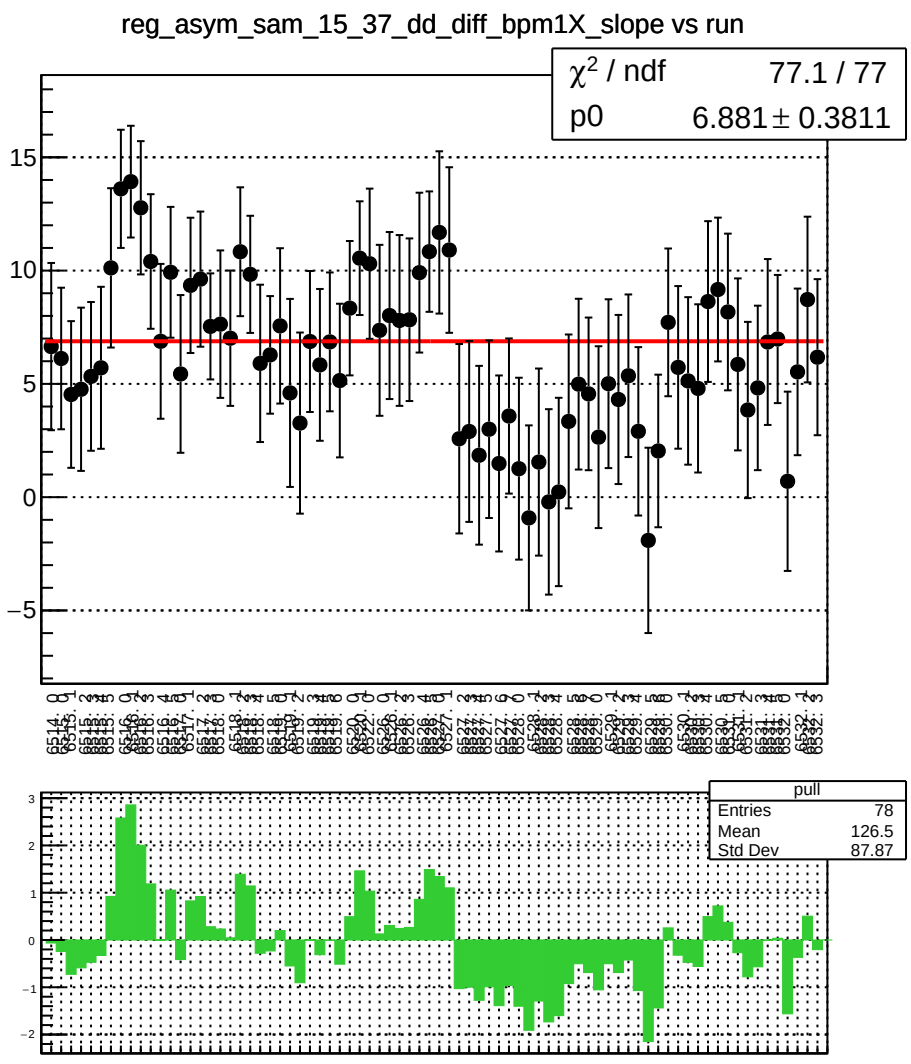

pull1D
Entries 78
Mean −0.01474
Std Dev 0.449

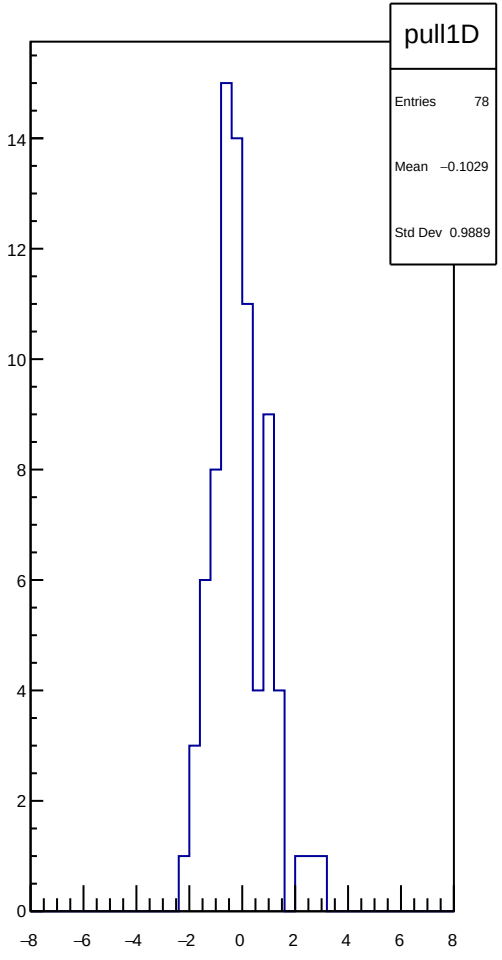

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 45.96 / 77
p0 −8.093 ± 0.4131
pull
Entries 78
Mean 110.3
Std Dev 69.67

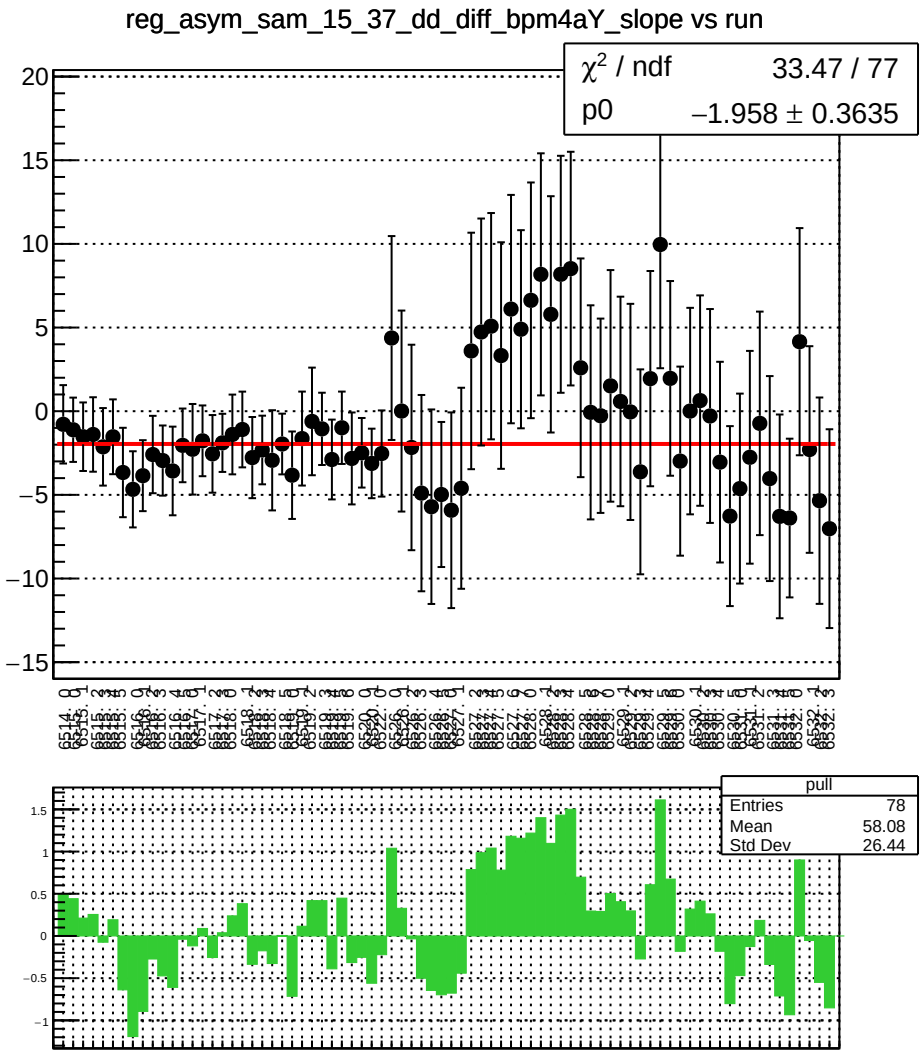

pull1D
Entries 78
Mean 0.1836
Std Dev 0.7454

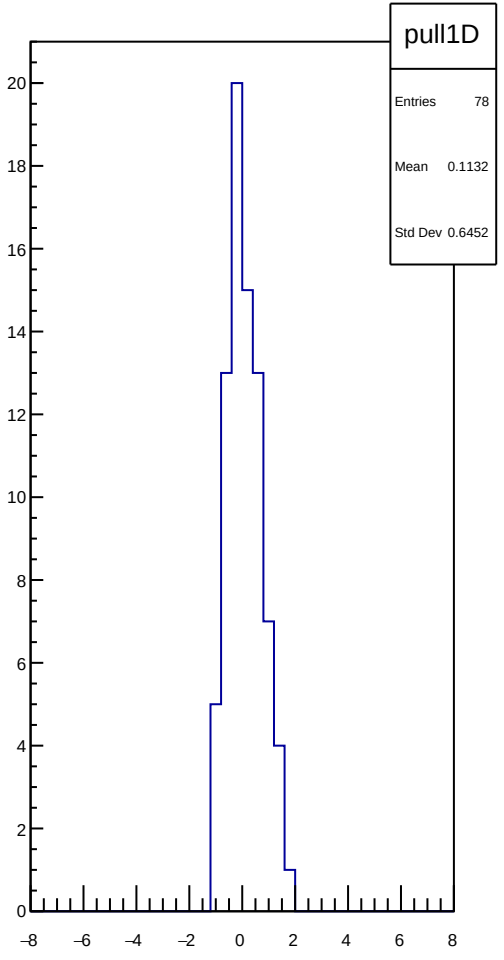

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 9.5 / 77
p0 0.109 ± 0.015
pull
Entries 78
Mean −178.5
Std Dev 221.5

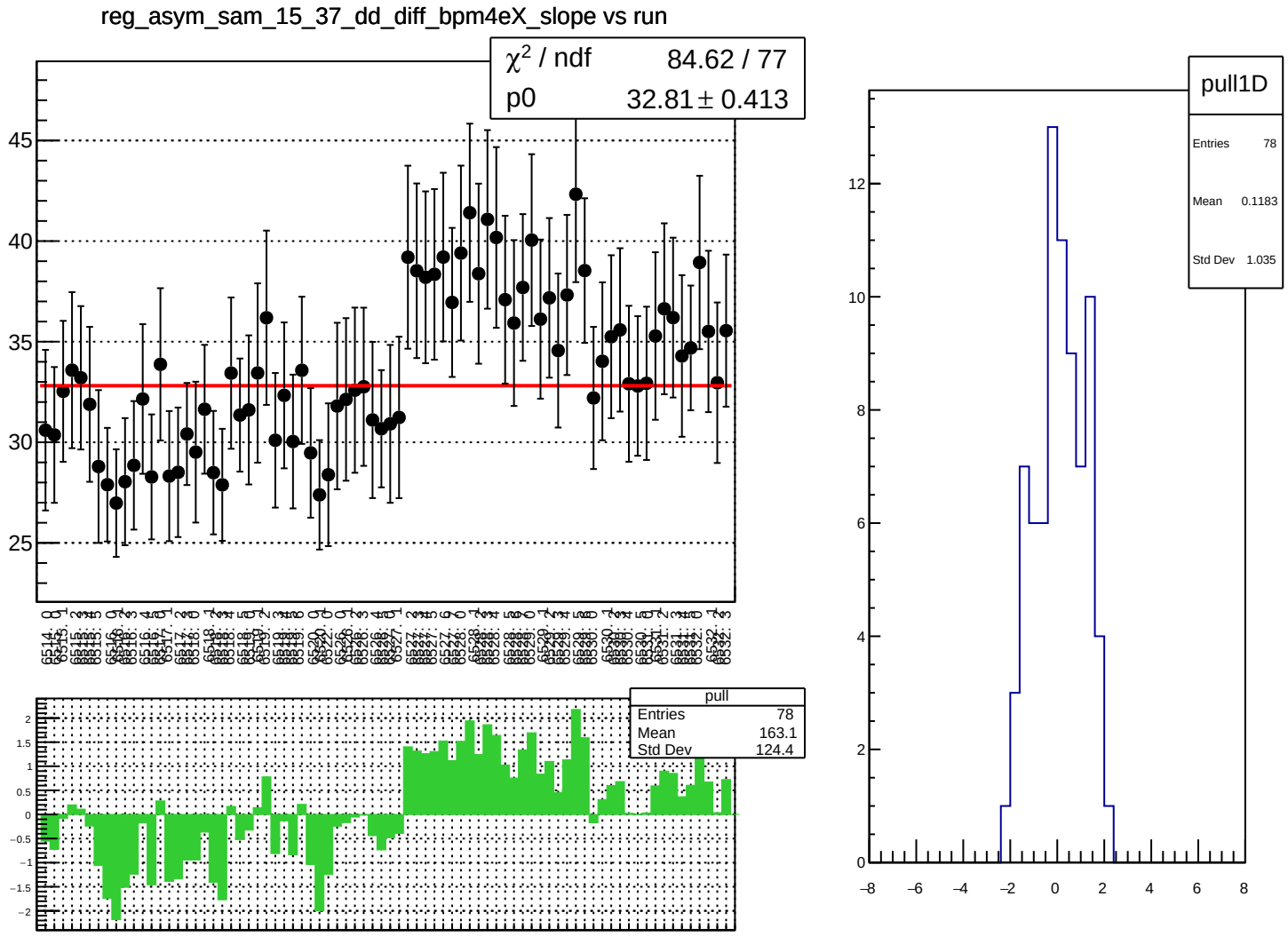

pull1D
Entries 78
Mean 0.01213
Std Dev 0.3488

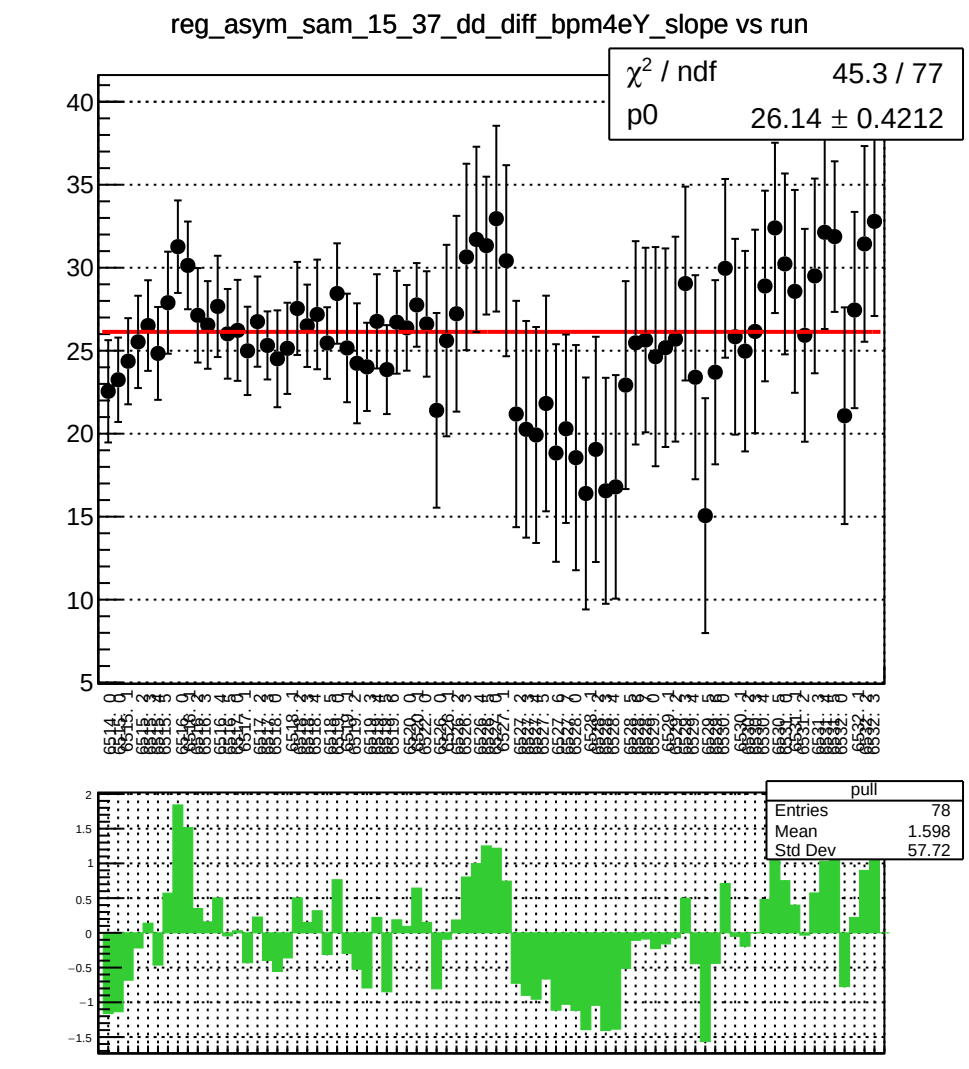

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 77.1 / 77
p0 6.881 ± 0.3811
pull
Entries 78
Mean 126.5
Std Dev 87.87

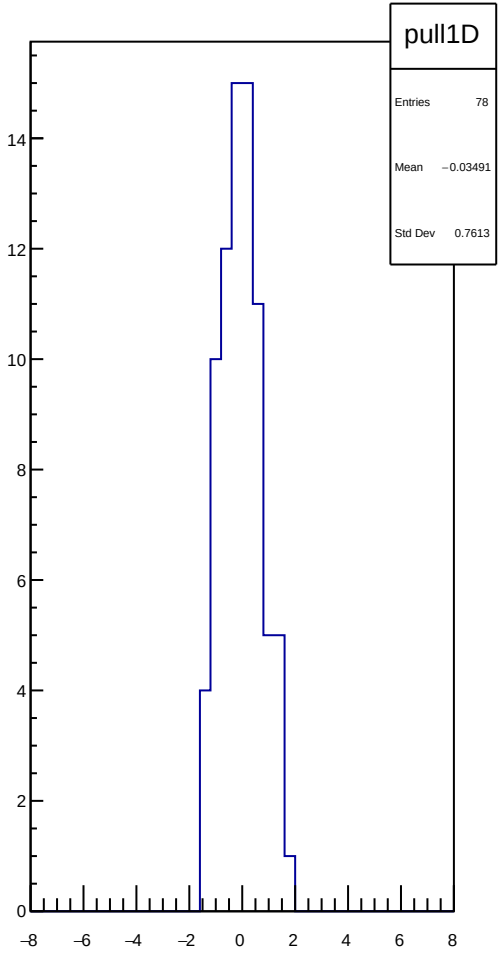

pull1D
Entries 78
Mean −0.1029
Std Dev 0.9889

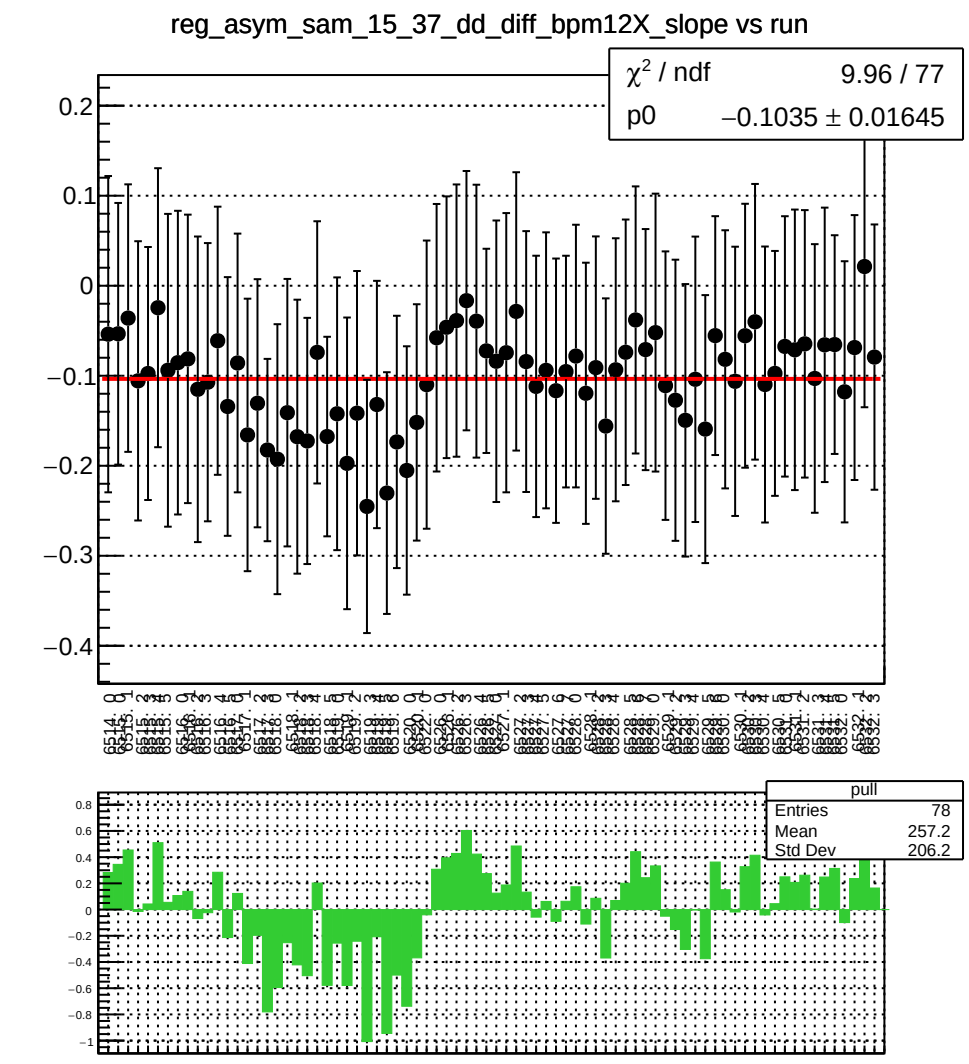

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 33.47 / 77
p0 −1.958 ± 0.3635
pull
Entries 78
Mean 58.08
Std Dev 26.44

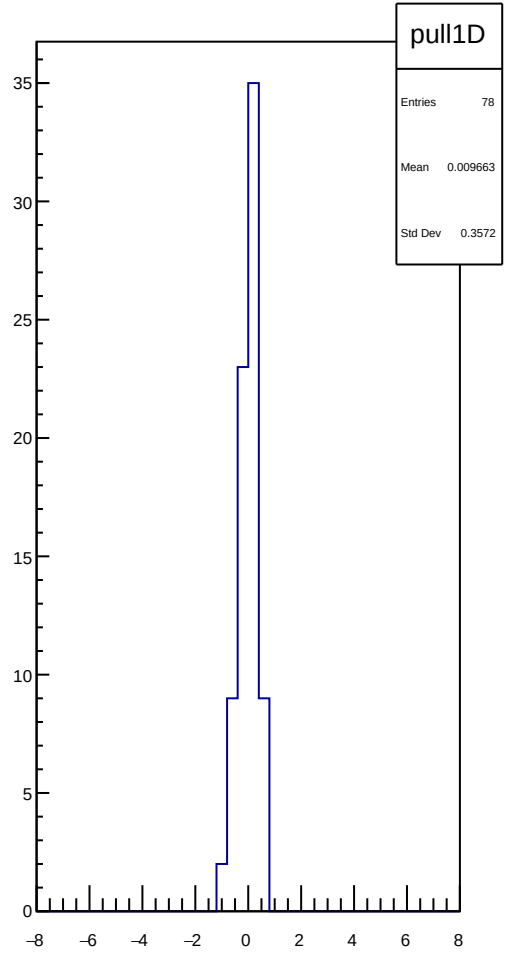

pull1D
Entries 78
Mean 0.1132
Std Dev 0.6452

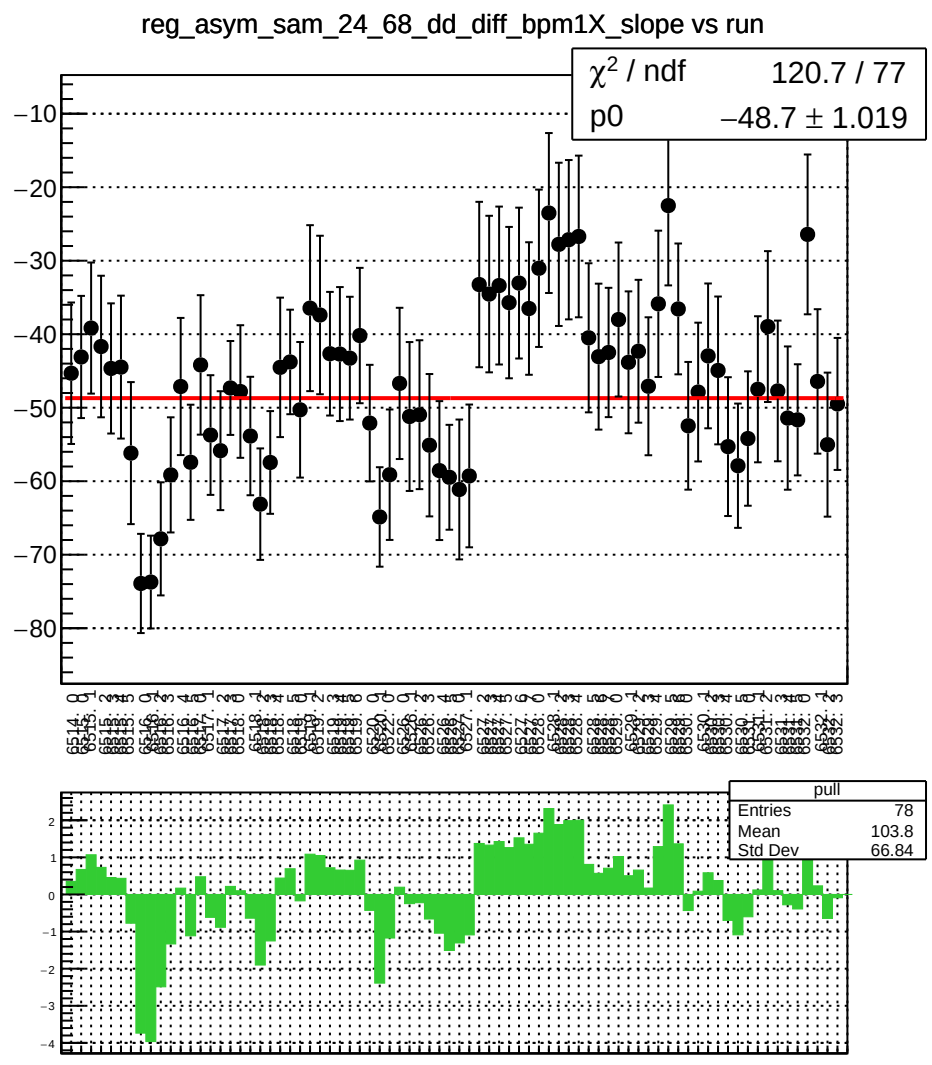

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 84.62 / 77
p0 32.81 ± 0.413
pull
Entries 78
Mean 163.1
Std Dev 124.4
pull1D
Entries 78
Mean 0.1183
Std Dev 1.035

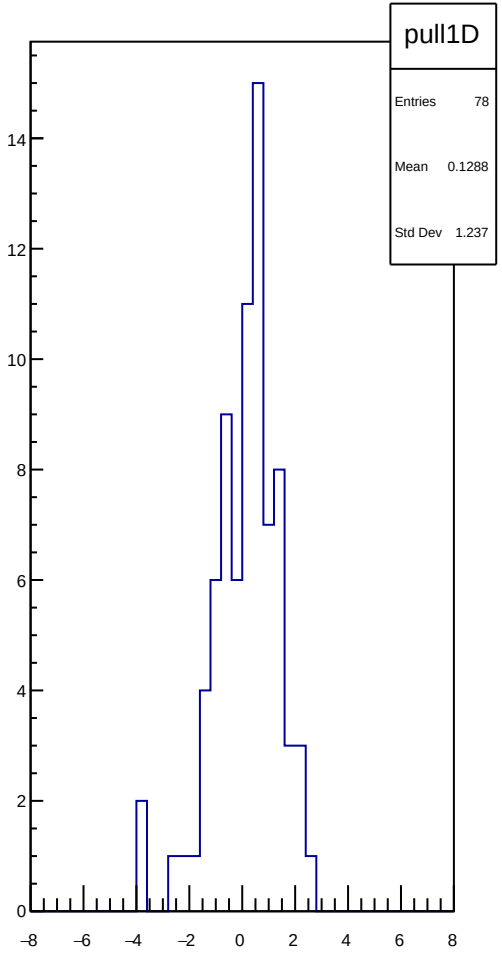

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 45.3 / 77
p0 26.14 ± 0.4212
pull
Entries 78
Mean 1.598
Std Dev 57.72

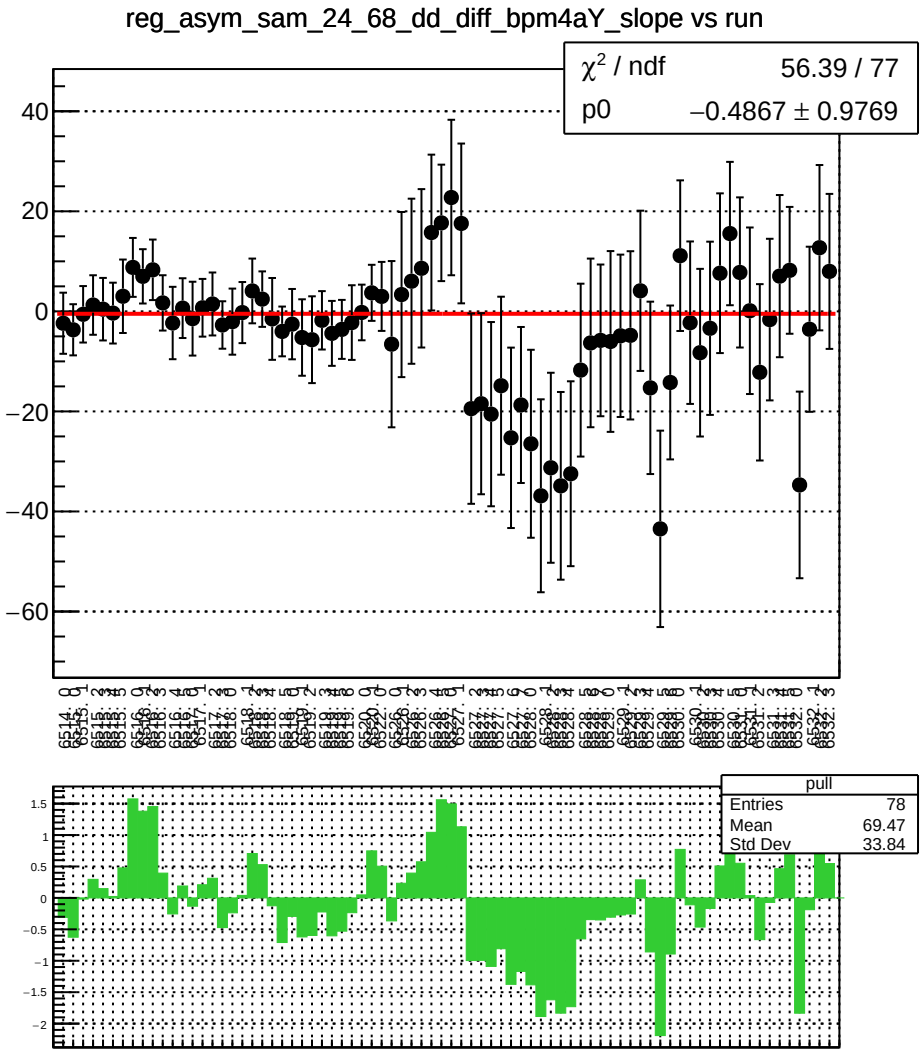

pull1D
Entries 78
Mean −0.03491
Std Dev 0.7613

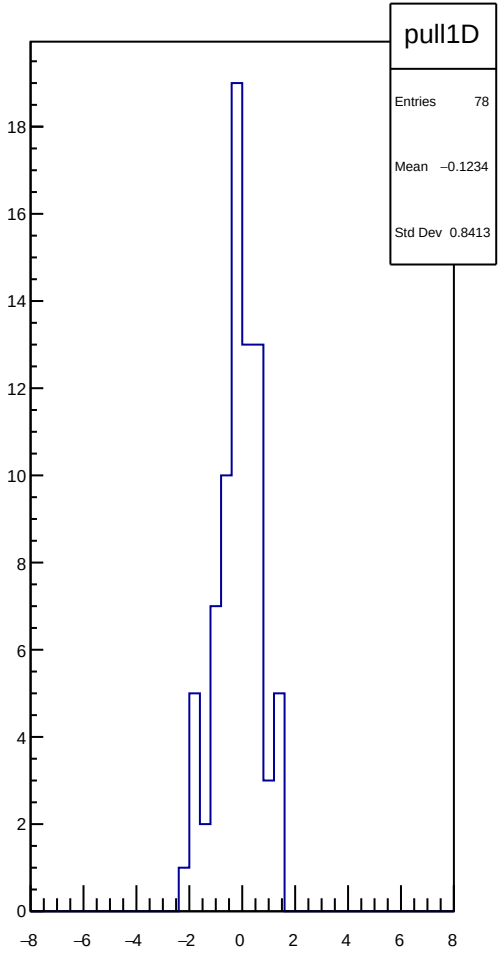

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 9.96 / 77
p0 −0.1035 ± 0.01645
pull
Entries 78
Mean 257.2
Std Dev 206.2

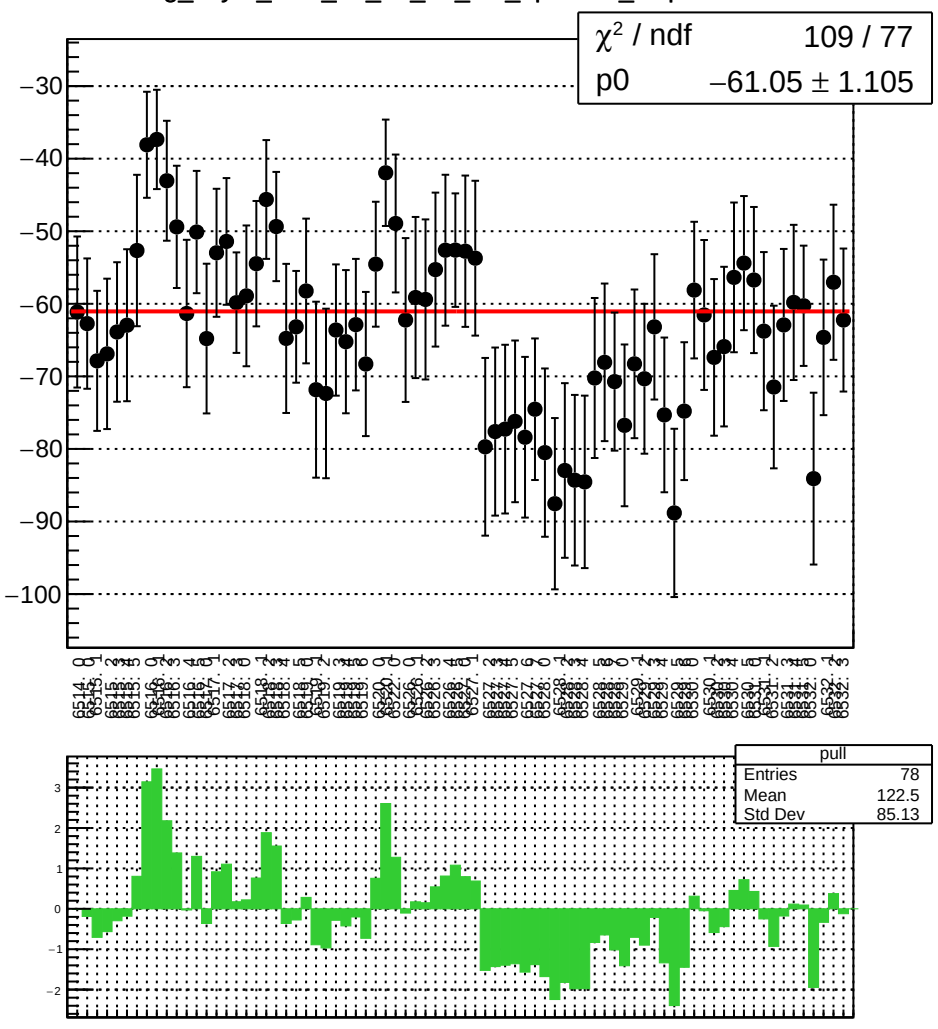

pull1D
Entries 78
Mean 0.009663
Std Dev 0.3572

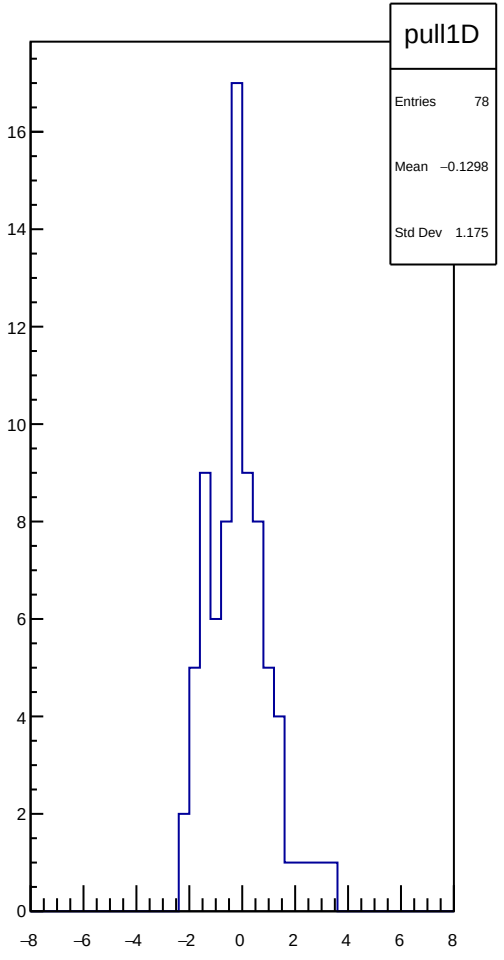

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 120.7 / 77
p0 −48.7 ± 1.019
pull
Entries 78
Mean 103.8
Std Dev 66.84

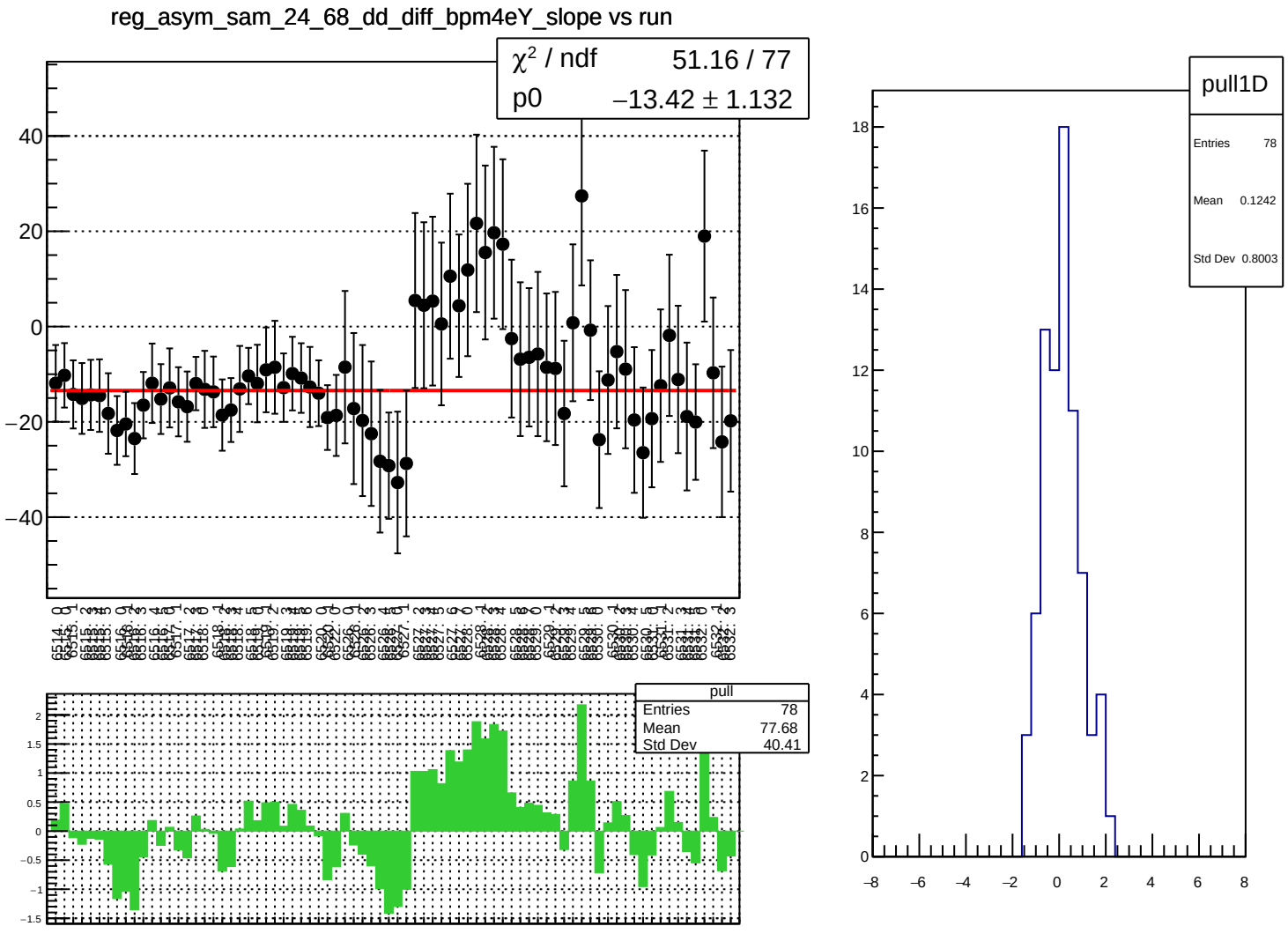

pull1D
Entries 78
Mean 0.1288
Std Dev 1.237

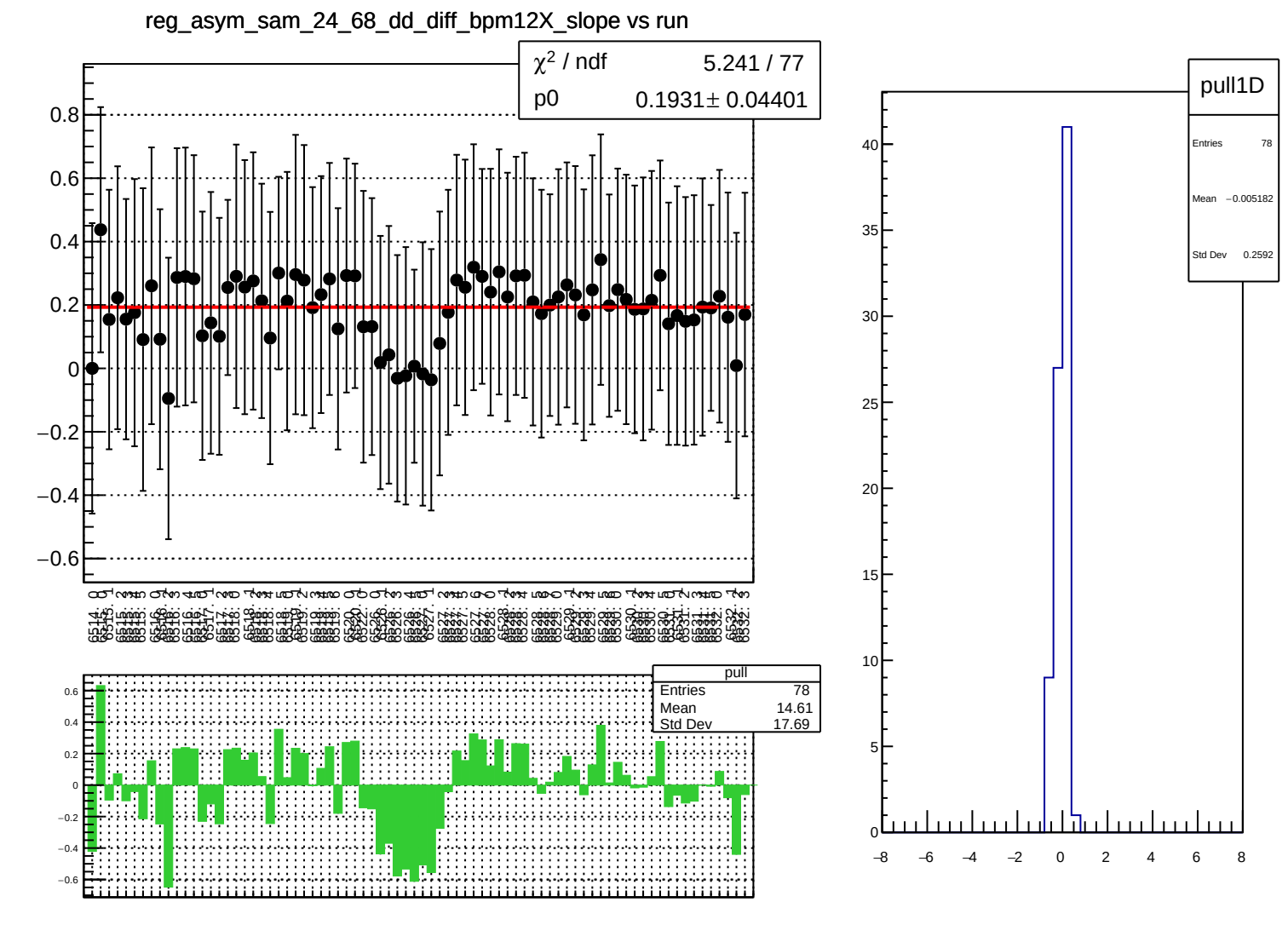

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 56.39 / 77
p0 −0.4867 ± 0.9769
pull
Entries 78
Mean 69.47
Std Dev 33.84

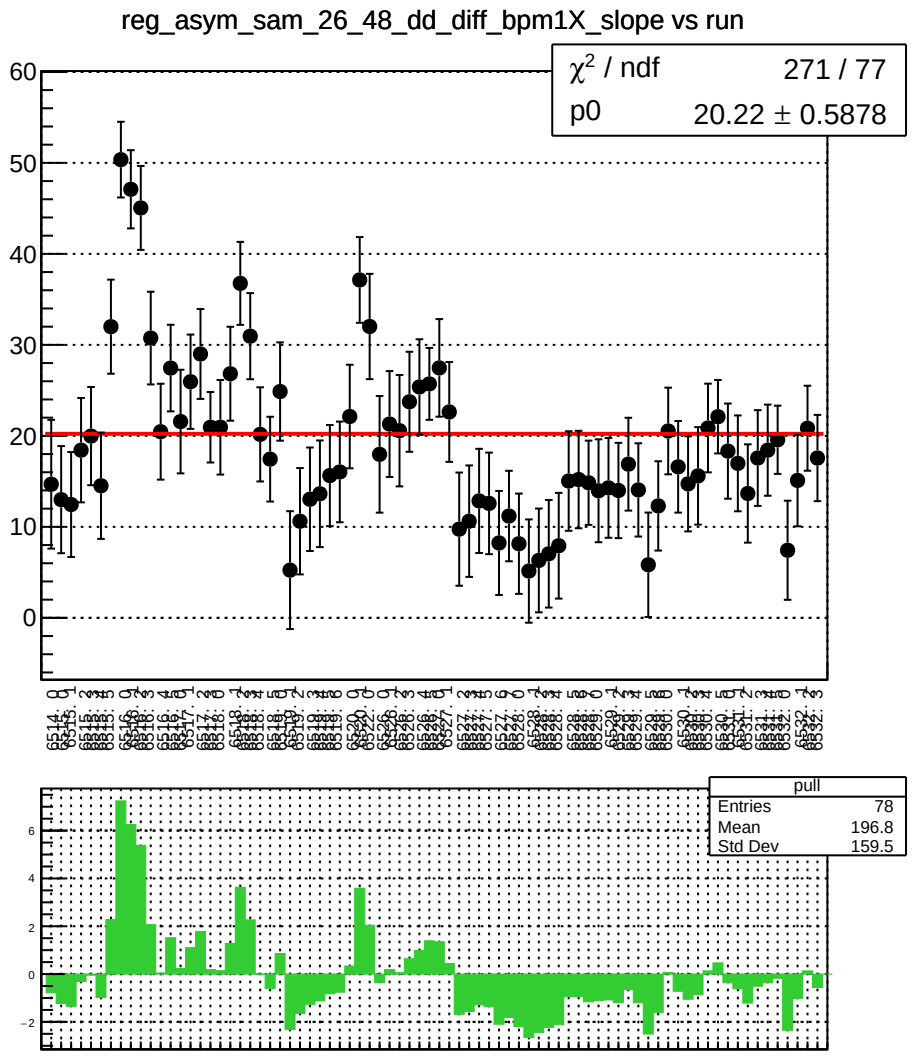

pull1D
Entries 78
Mean −0.1234
Std Dev 0.8413

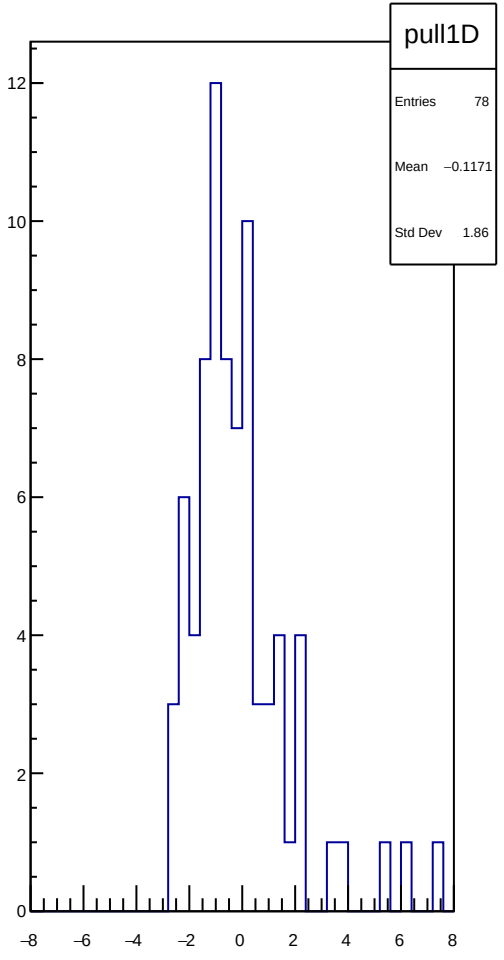

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 109 / 77
p0 −61.05 ± 1.105
pull
Entries 78
Mean 122.5
Std Dev 85.13

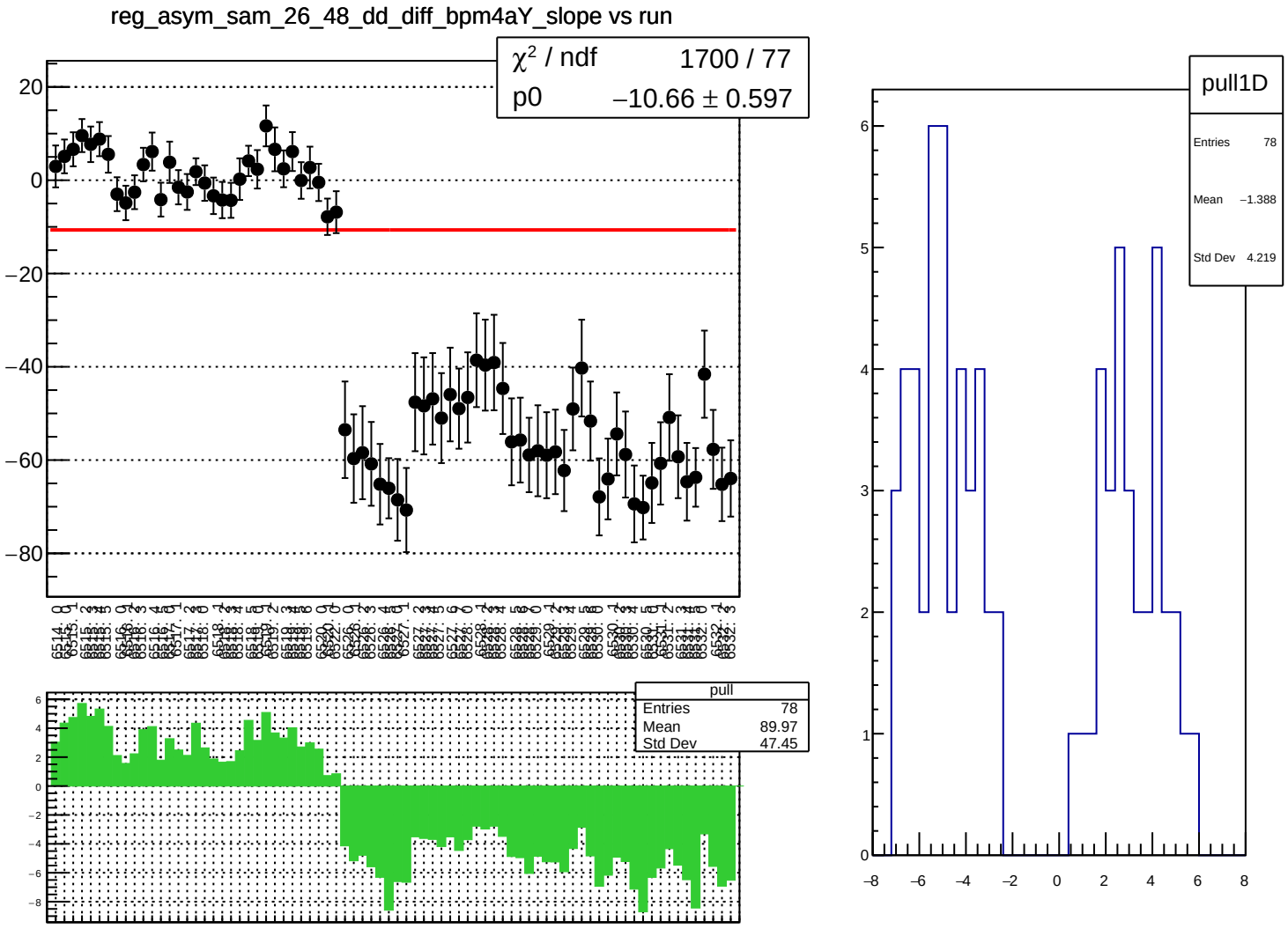

pull1D
Entries 78
Mean −0.1298
Std Dev 1.175

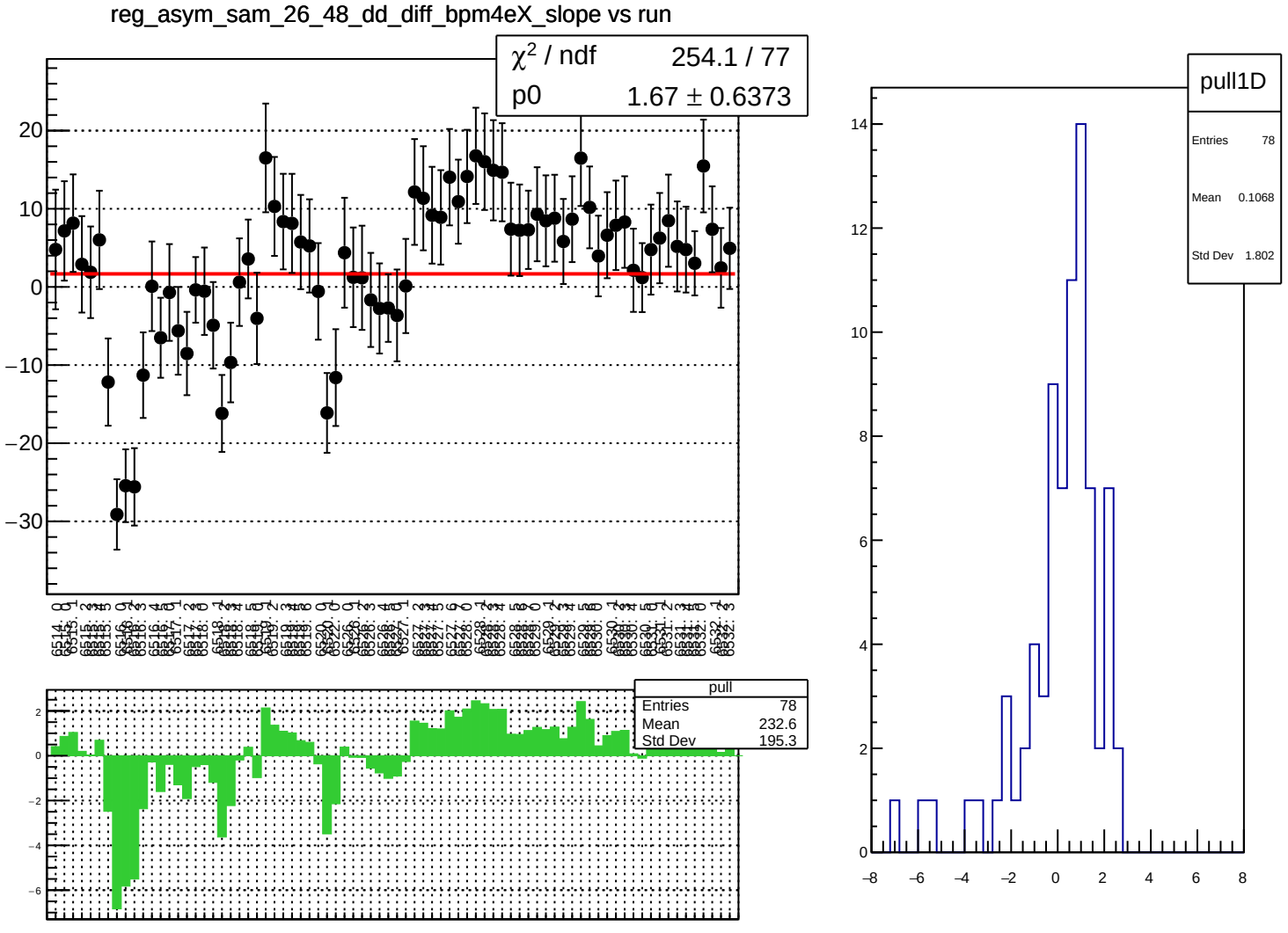

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 51.16 / 77
p0 −13.42 ± 1.132
pull
Entries 78
Mean 77.68
Std Dev 40.41
pull1D
Entries 78
Mean 0.1242
Std Dev 0.8003

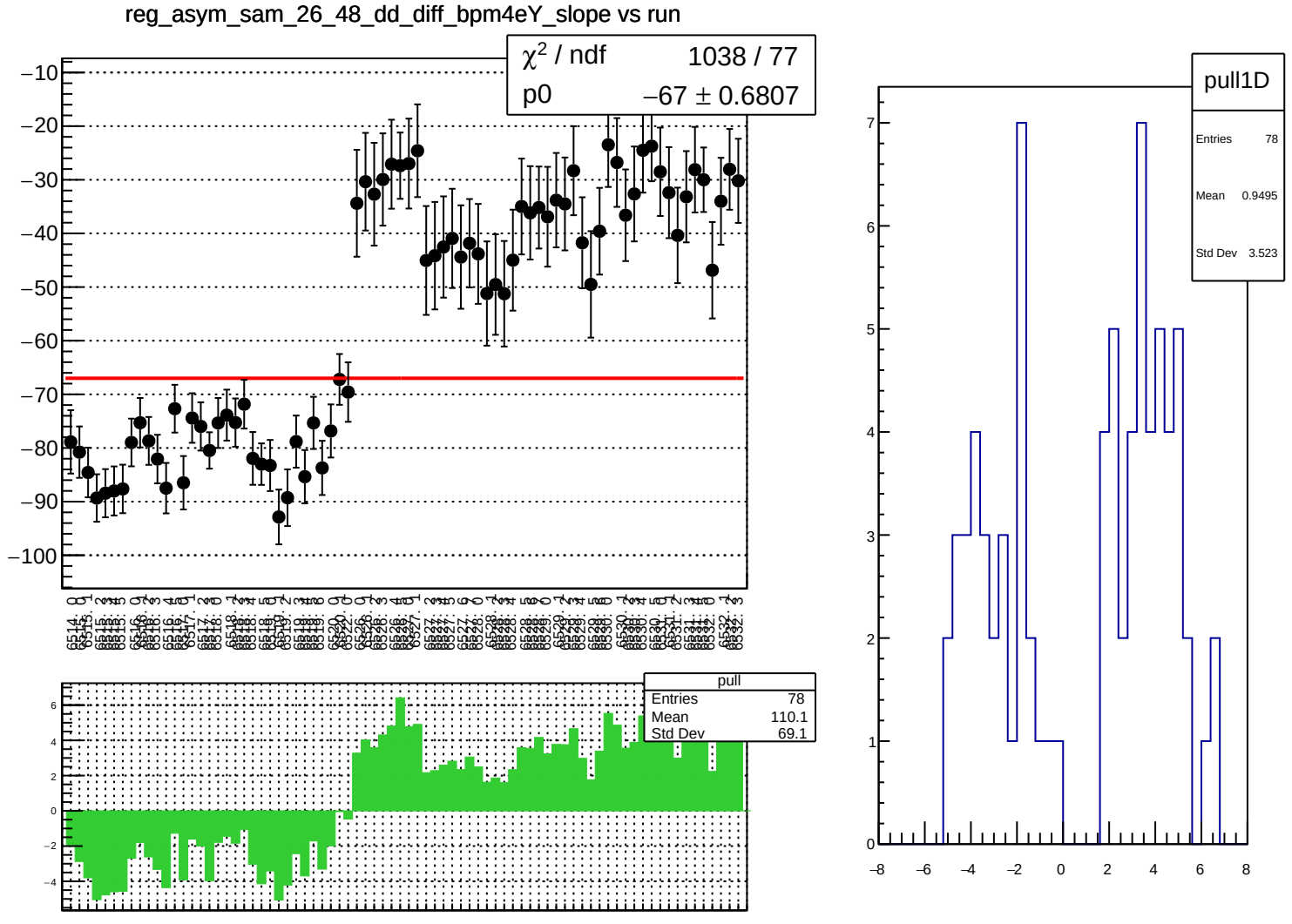

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 5.241 / 77
p0 0.1931± 0.04401
pull
Entries 78
Mean 14.61
Std Dev 17.69
pull1D
Entries 78
Mean −0.005182
Std Dev 0.2592

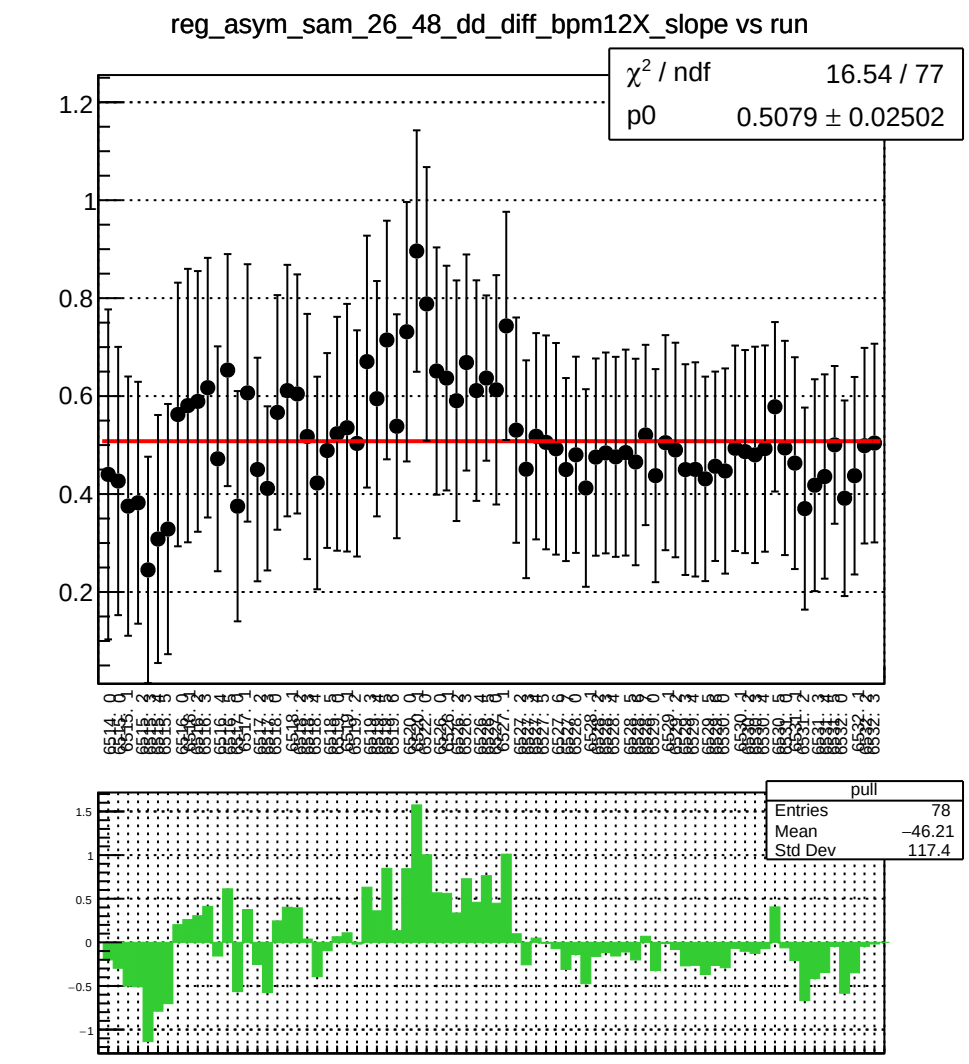

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 271 / 77
p0 20.22 ± 0.5878
pull
Entries 78
Mean 196.8
Std Dev 159.5

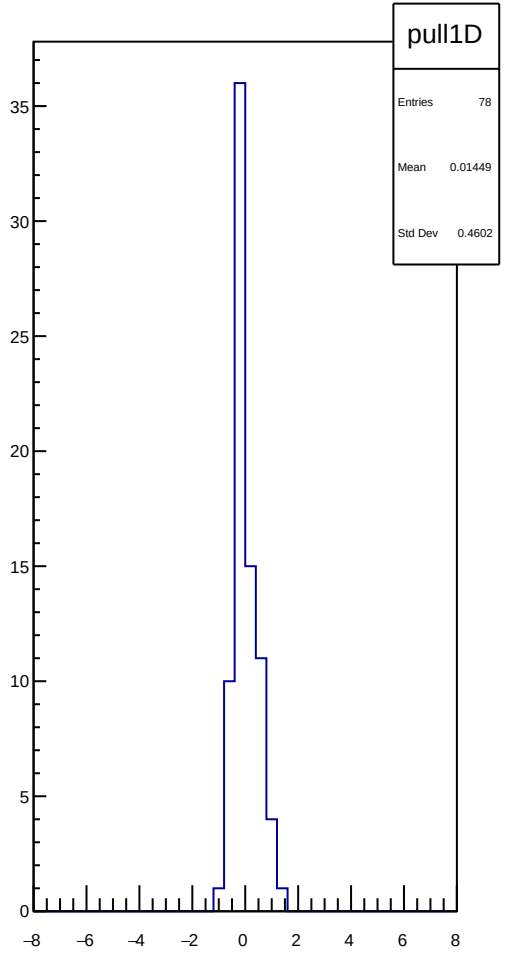

pull1D
Entries 78
Mean −0.1171
Std Dev 1.86

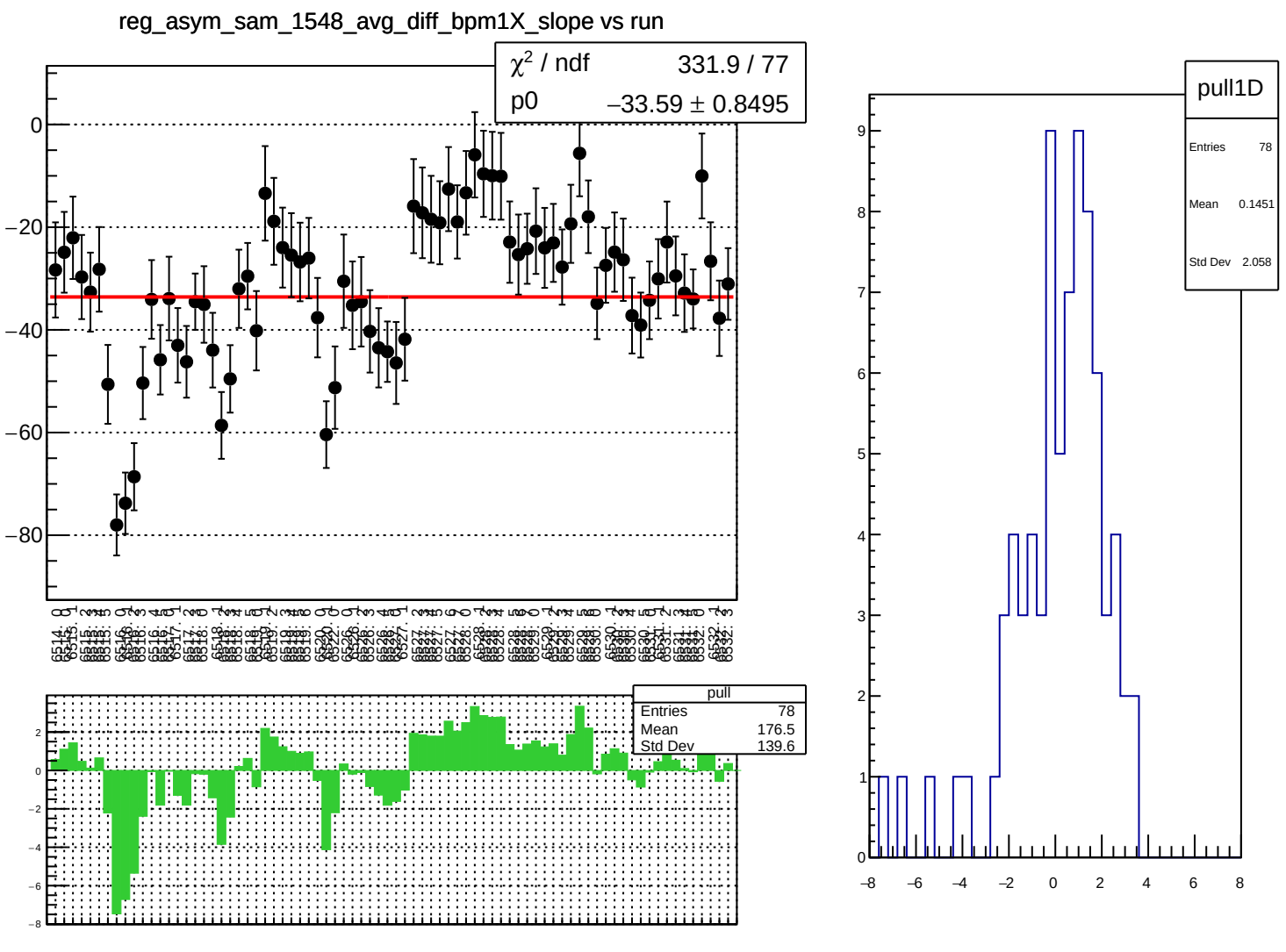

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 1700 / 77
p0 −10.66 ± 0.597
pull
Entries 78
Mean 89.97
Std Dev 47.45
pull1D
Entries 78
Mean −1.388
Std Dev 4.219

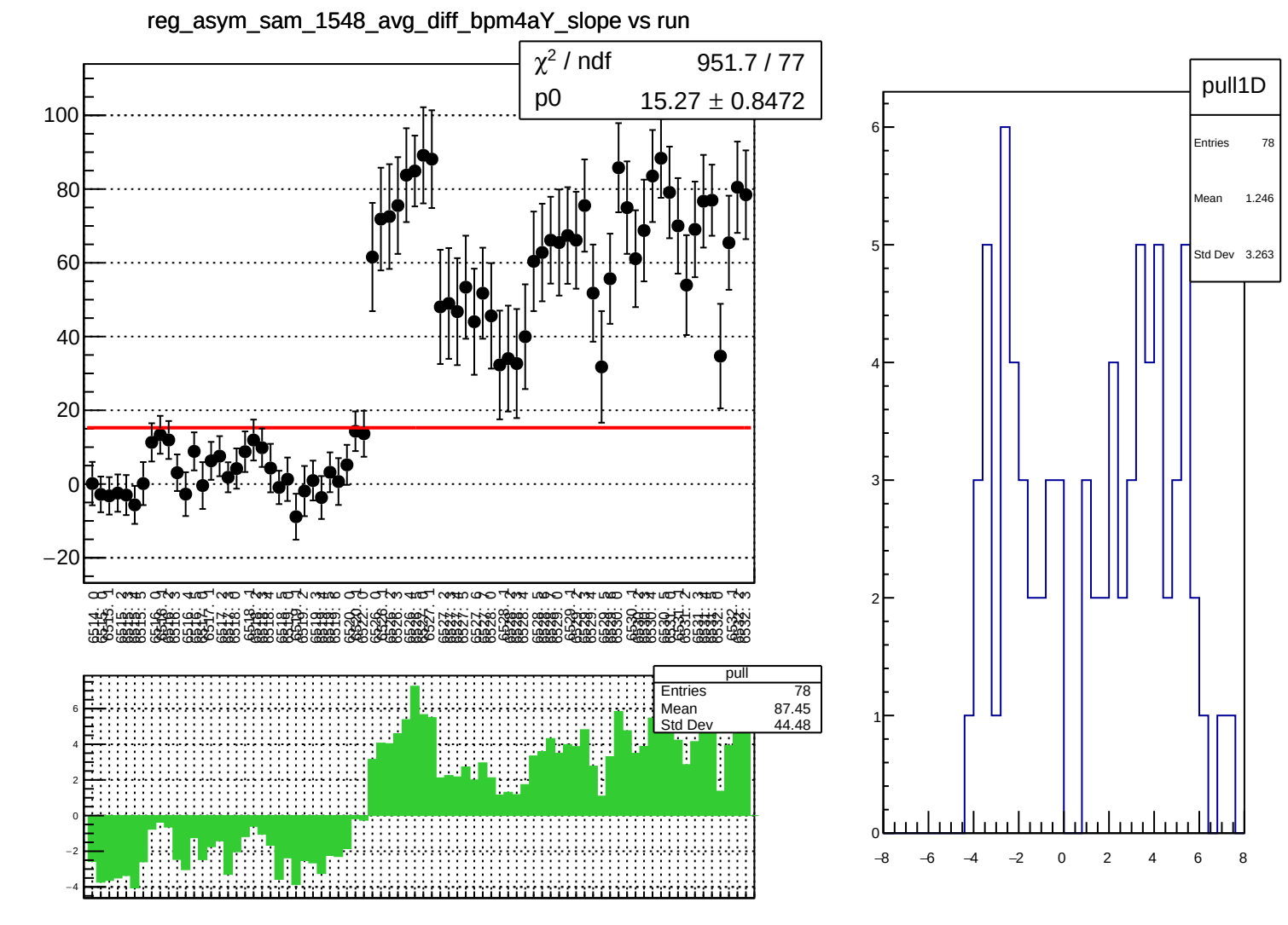

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 254.1 / 77
p0 1.67 ± 0.6373
pull
Entries 78
Mean 232.6
Std Dev 195.3
pull1D
Entries 78
Mean 0.1068
Std Dev 1.802

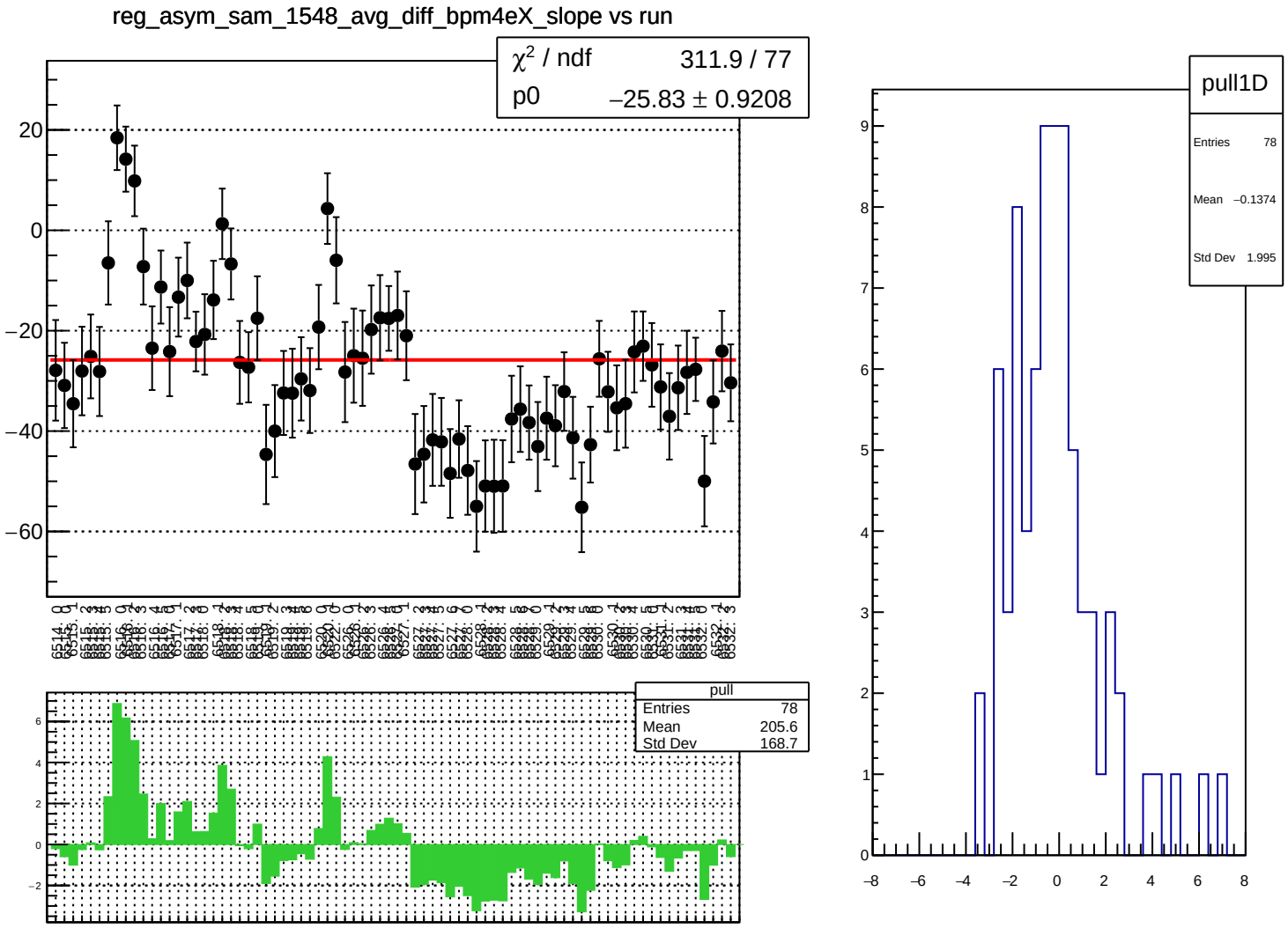

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 1038 / 77
p0 −67 ± 0.6807
pull
Entries 78
Mean 110.1
Std Dev 69.1
pull1D
Entries 78
Mean 0.9495
Std Dev 3.523

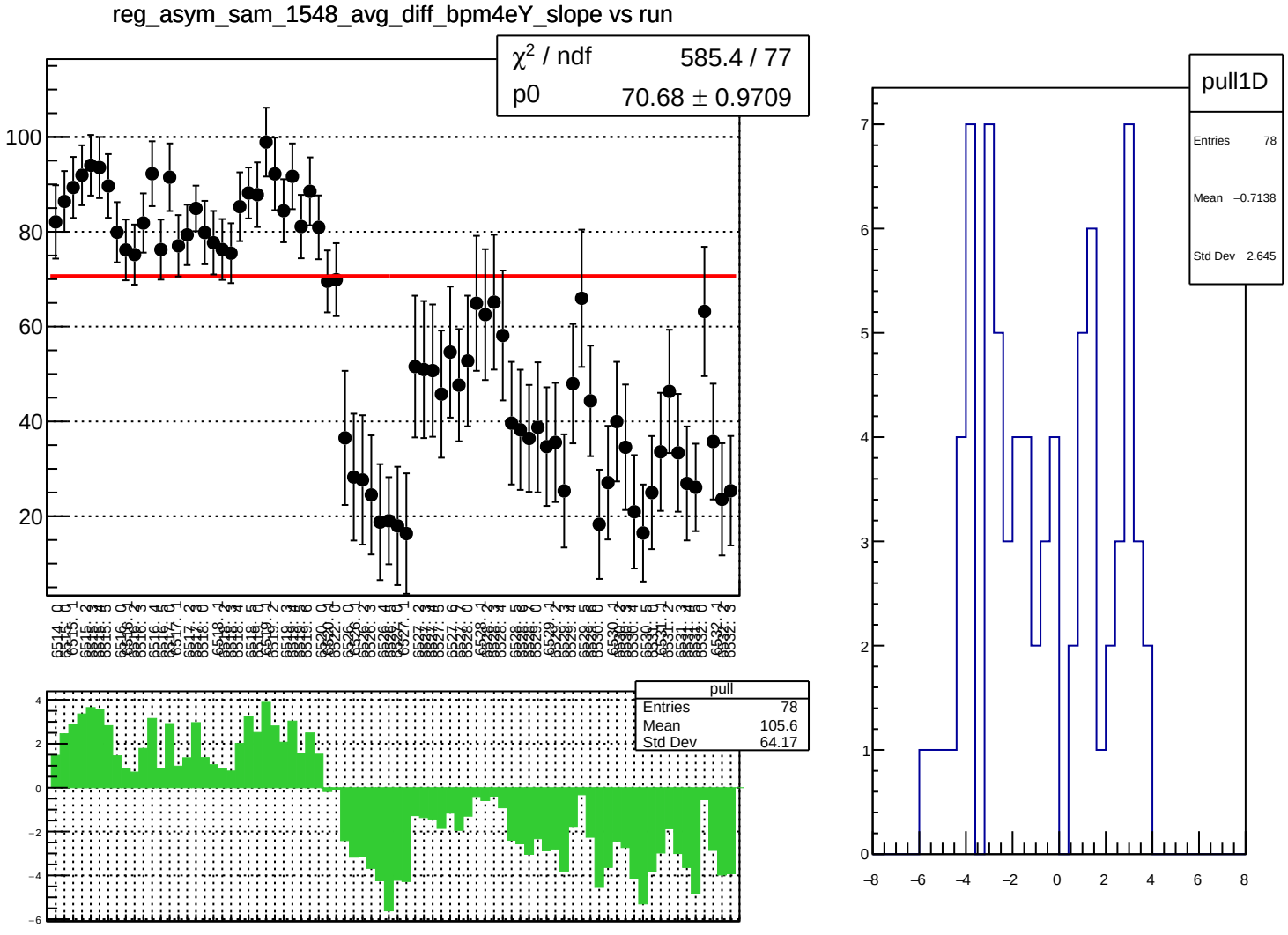

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 16.54 / 77
p0 0.5079 ± 0.02502
pull
Entries 78
Mean −46.21
Std Dev 117.4

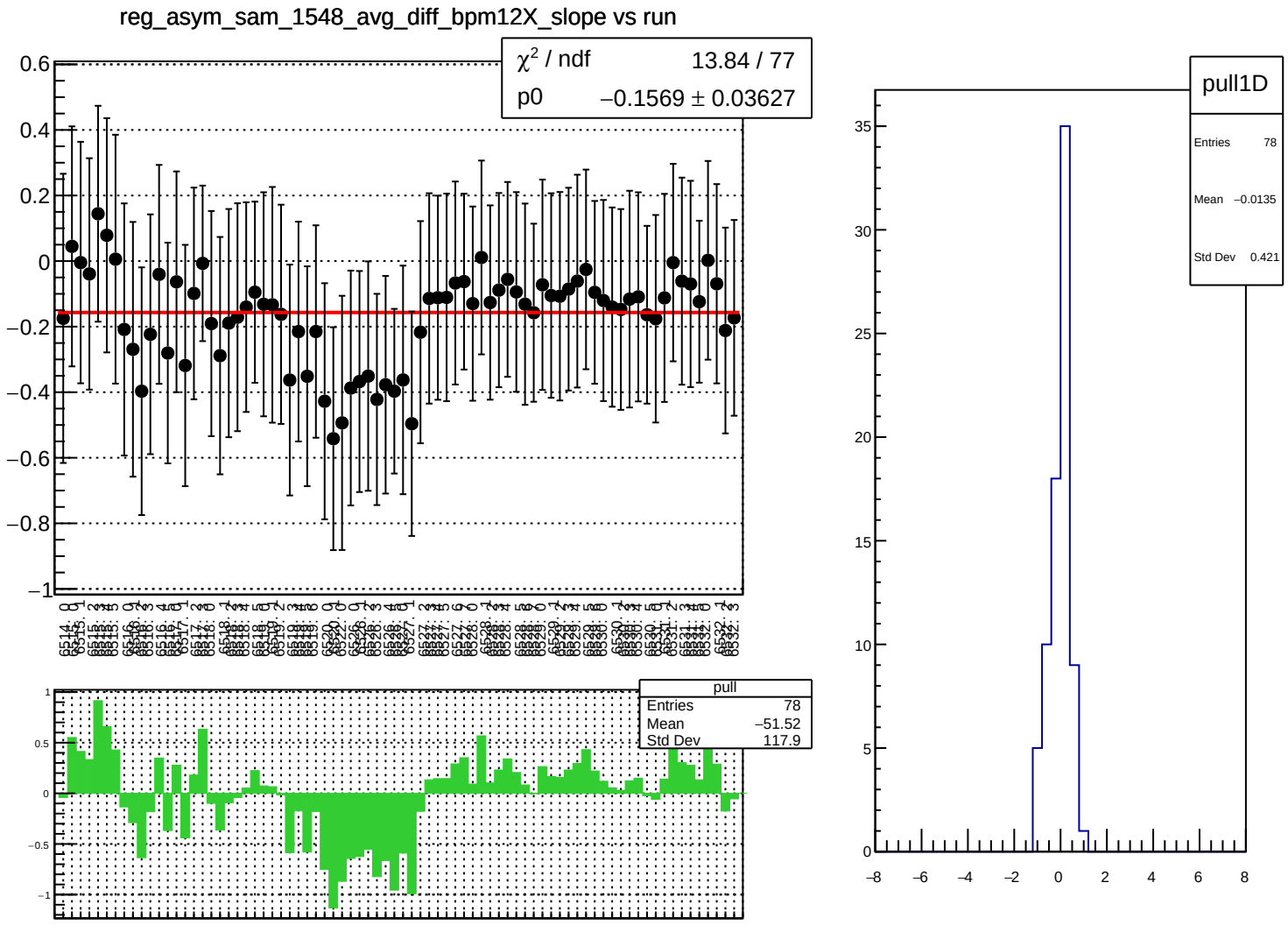

pull1D
Entries 78
Mean 0.01449
Std Dev 0.4602

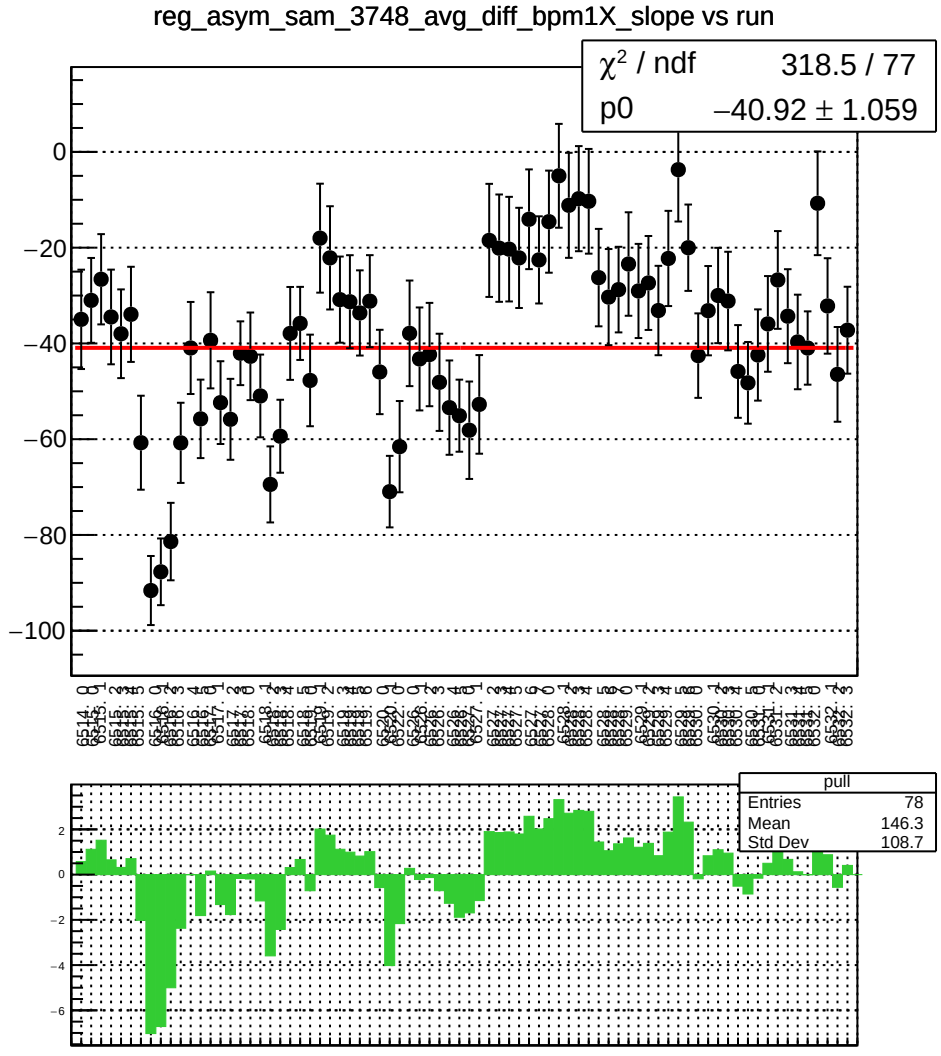

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 331.9 / 77
p0 −33.59 ± 0.8495
pull
Entries 78
Mean 176.5
Std Dev 139.6
pull1D
Entries 78
Mean 0.1451
Std Dev 2.058

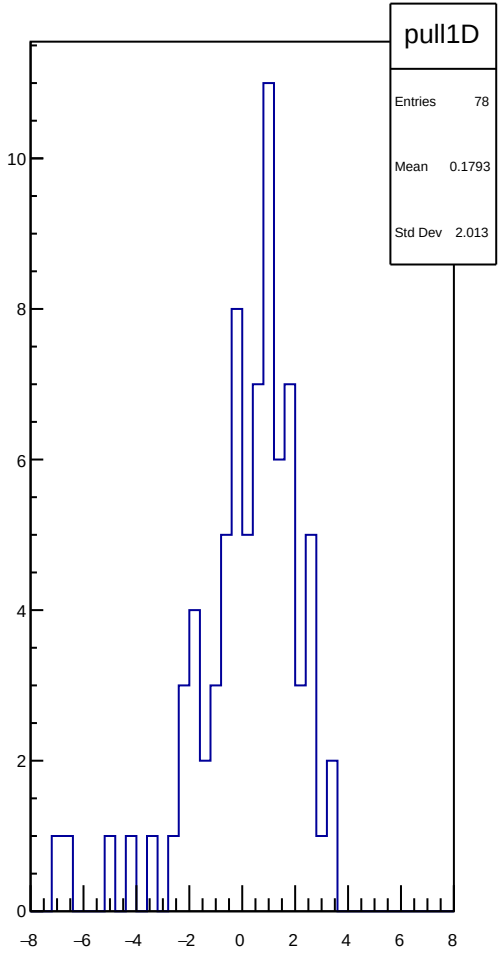

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 951.7 / 77
p0 15.27 ± 0.8472
pull
Entries 78
Mean 87.45
Std Dev 44.48
pull1D
Entries 78
Mean 1.246
Std Dev 3.263

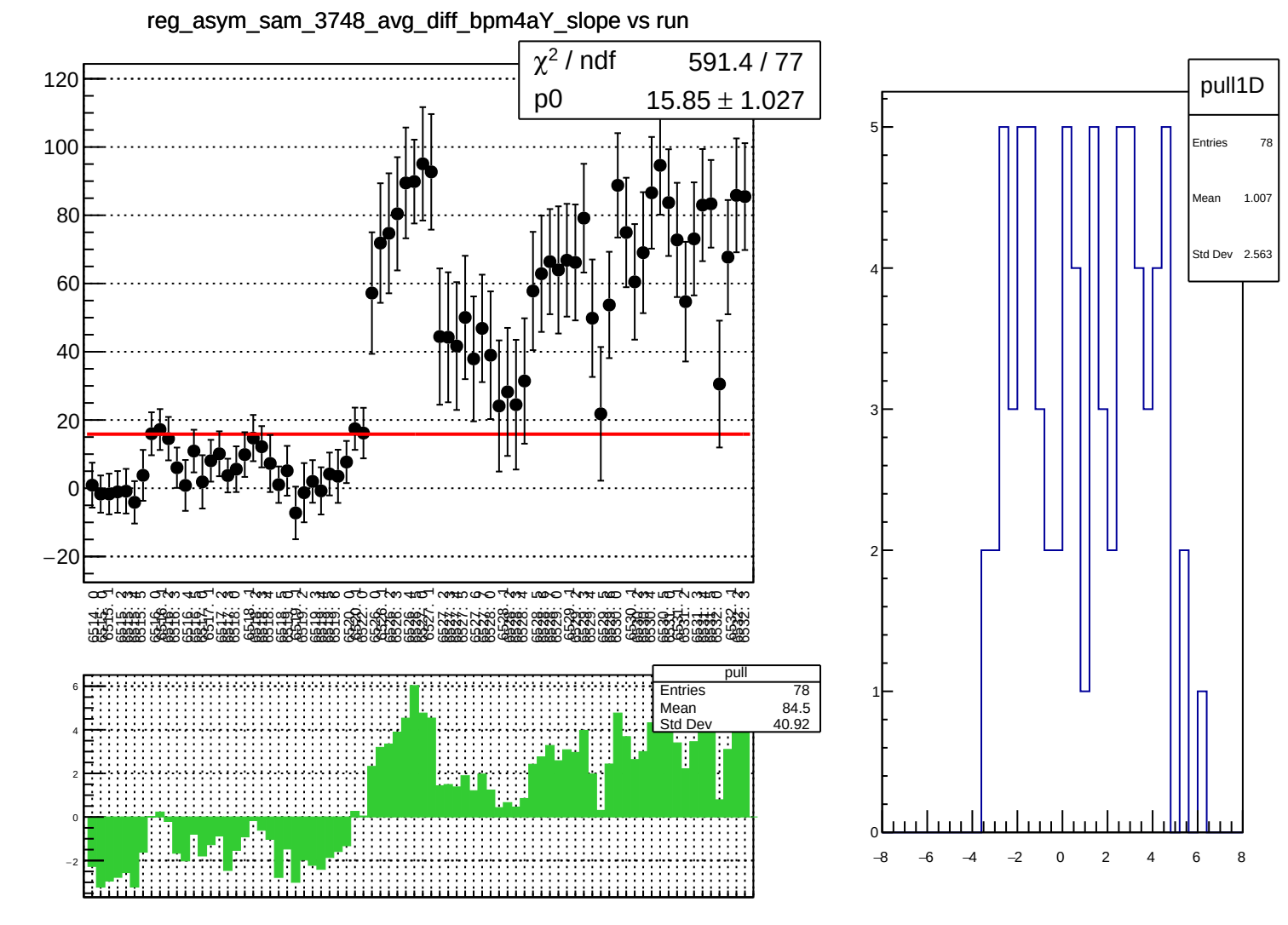

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 311.9 / 77
p0 −25.83 ± 0.9208
pull
Entries 78
Mean 205.6
Std Dev 168.7
pull1D
Entries 78
Mean −0.1374
Std Dev 1.995

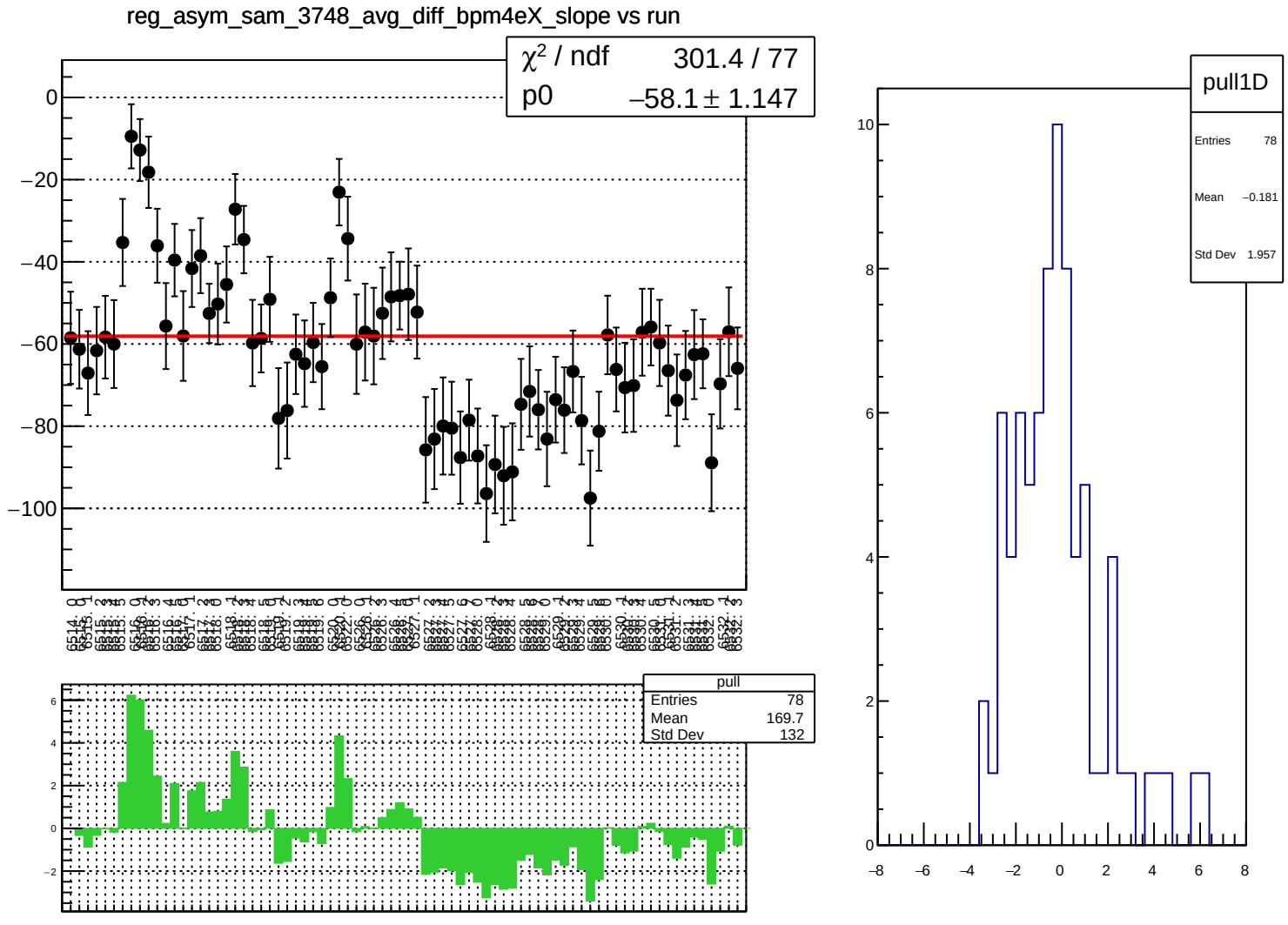

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 585.4 / 77
p0 70.68 ± 0.9709
pull
Entries 78
Mean 105.6
Std Dev 64.17
pull1D
Entries 78
Mean −0.7138
Std Dev 2.645

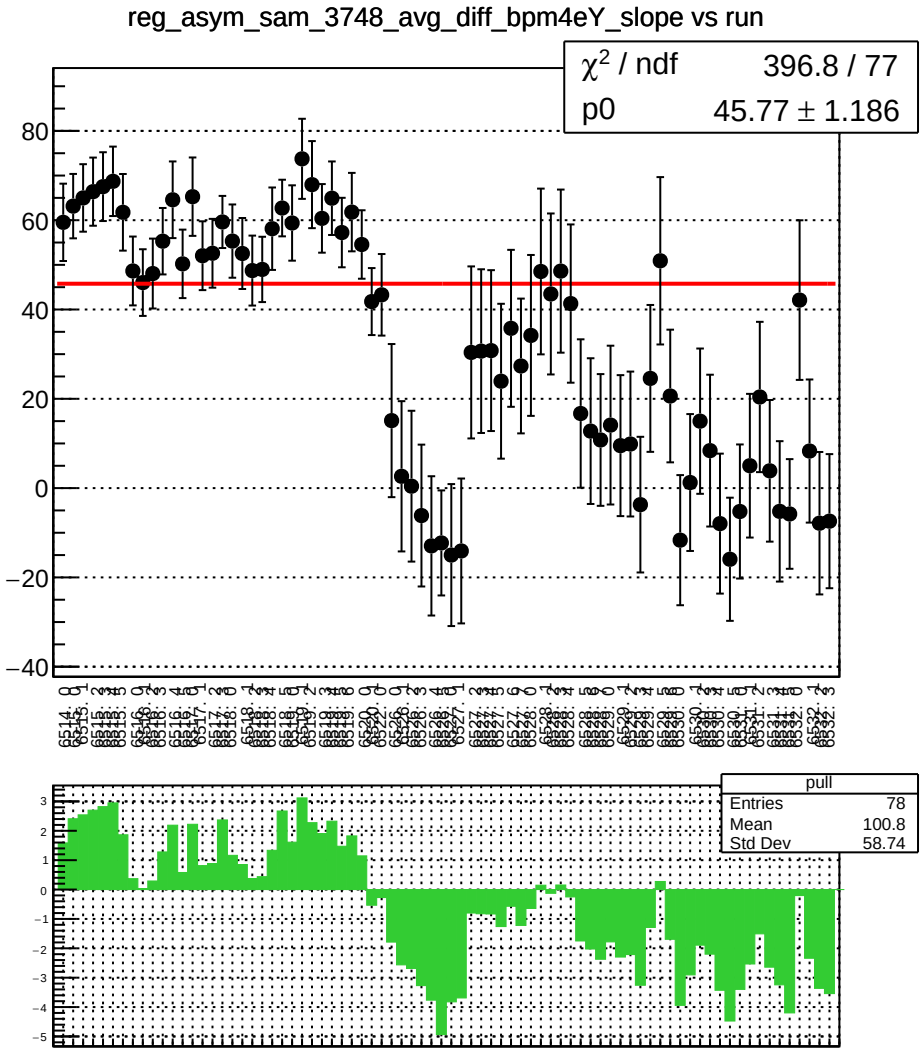

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 13.84 / 77
p0 −0.1569 ± 0.03627
pull
Entries 78
Mean −51.52
Std Dev 117.9
pull1D
Entries 78
Mean −0.0135
Std Dev 0.421

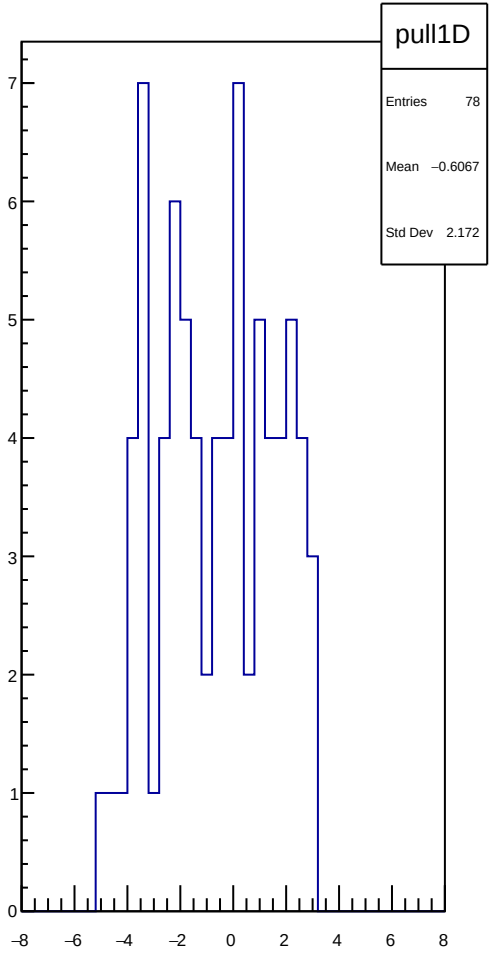

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 318.5 / 77
p0 −40.92 ± 1.059
pull
Entries 78
Mean 146.3
Std Dev 108.7

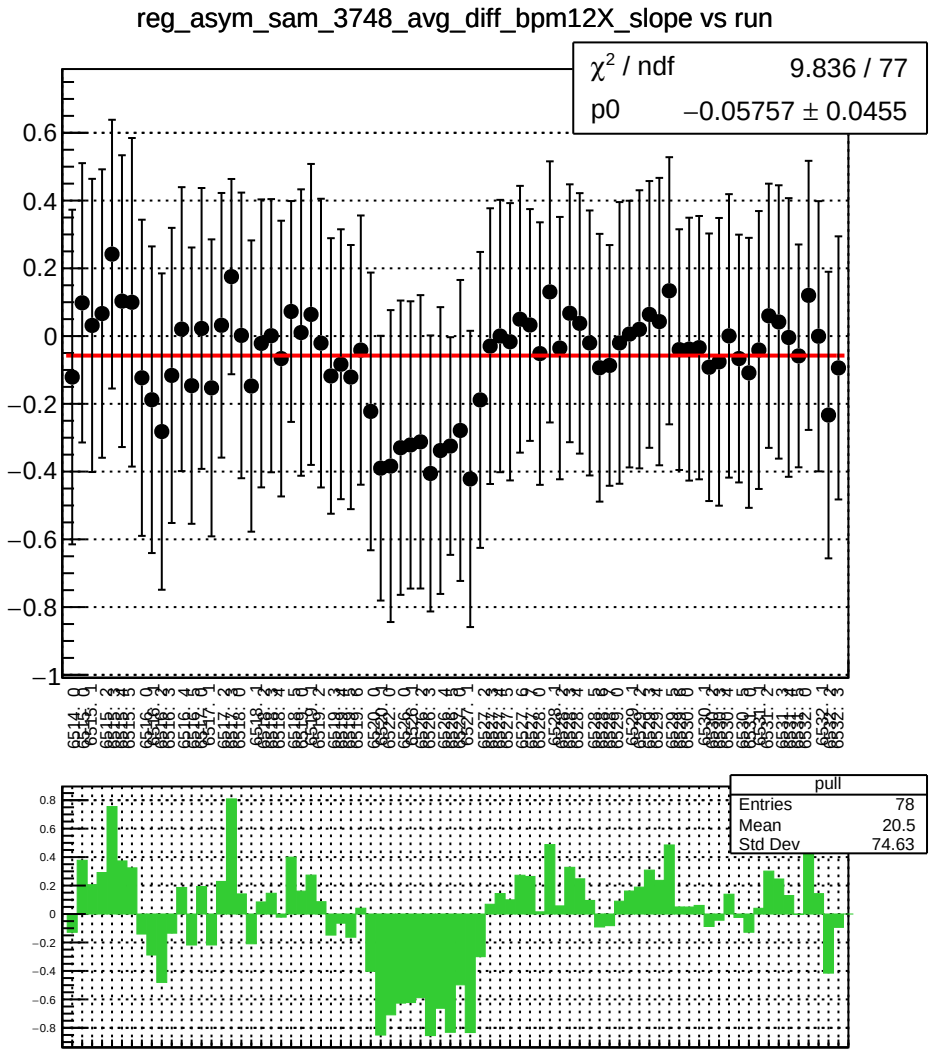

pull1D
Entries 78
Mean 0.1793
Std Dev 2.013

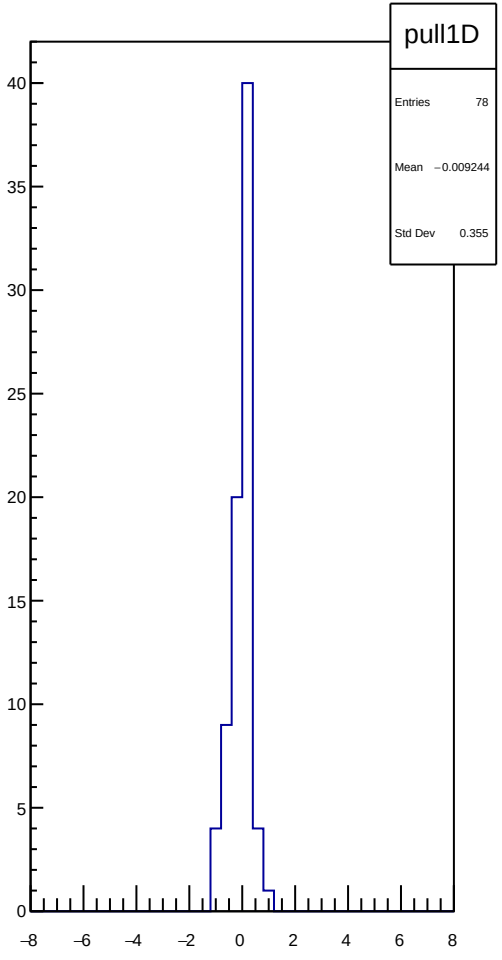

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 591.4 / 77
p0 15.85 ± 1.027
pull
Entries 78
Mean 84.5
Std Dev 40.92
pull1D
Entries 78
Mean 1.007
Std Dev 2.563

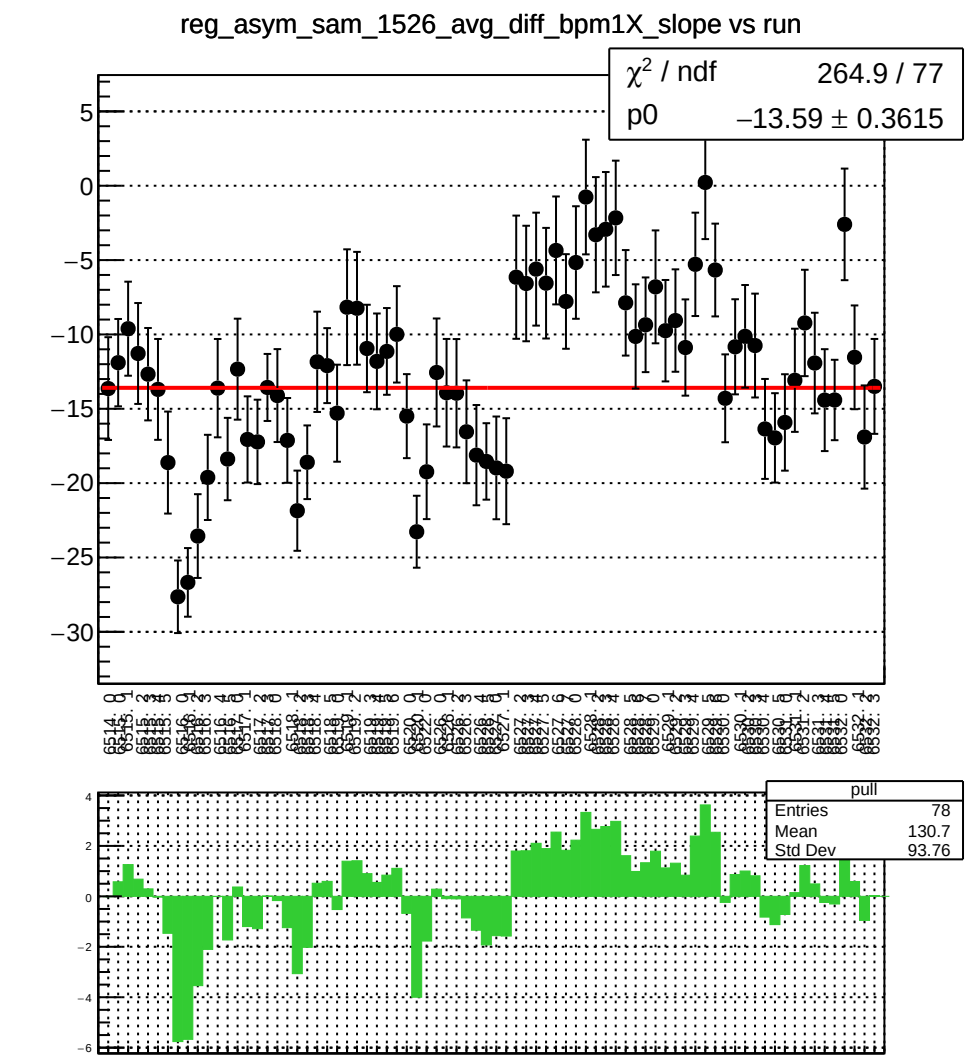

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 301.4 / 77
p0 −58.1 ± 1.147
pull
Entries 78
Mean 169.7
Std Dev 132
pull1D
Entries 78
Mean −0.181
Std Dev 1.957

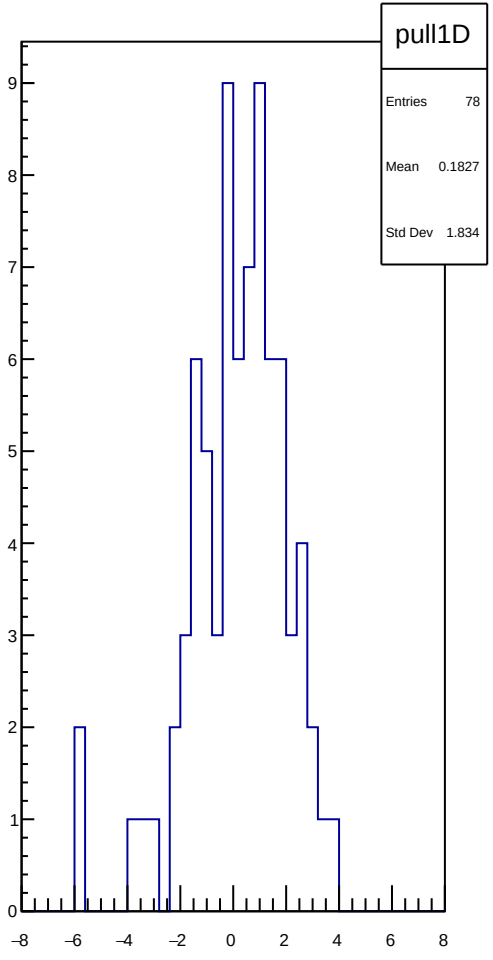

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 396.8 / 77
p0 45.77 ± 1.186
pull
Entries 78
Mean 100.8
Std Dev 58.74

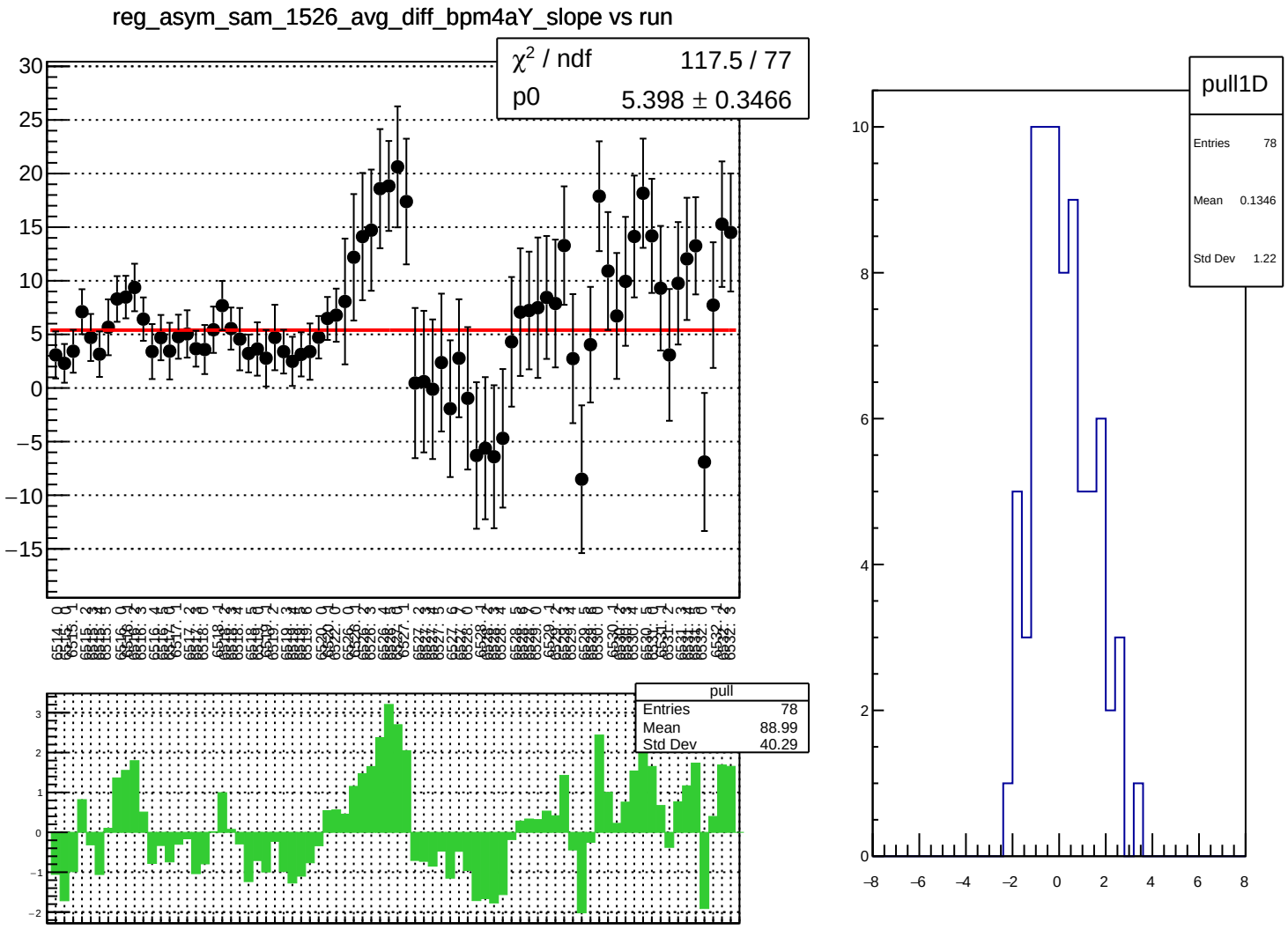

pull1D
Entries 78
Mean −0.6067
Std Dev 2.172

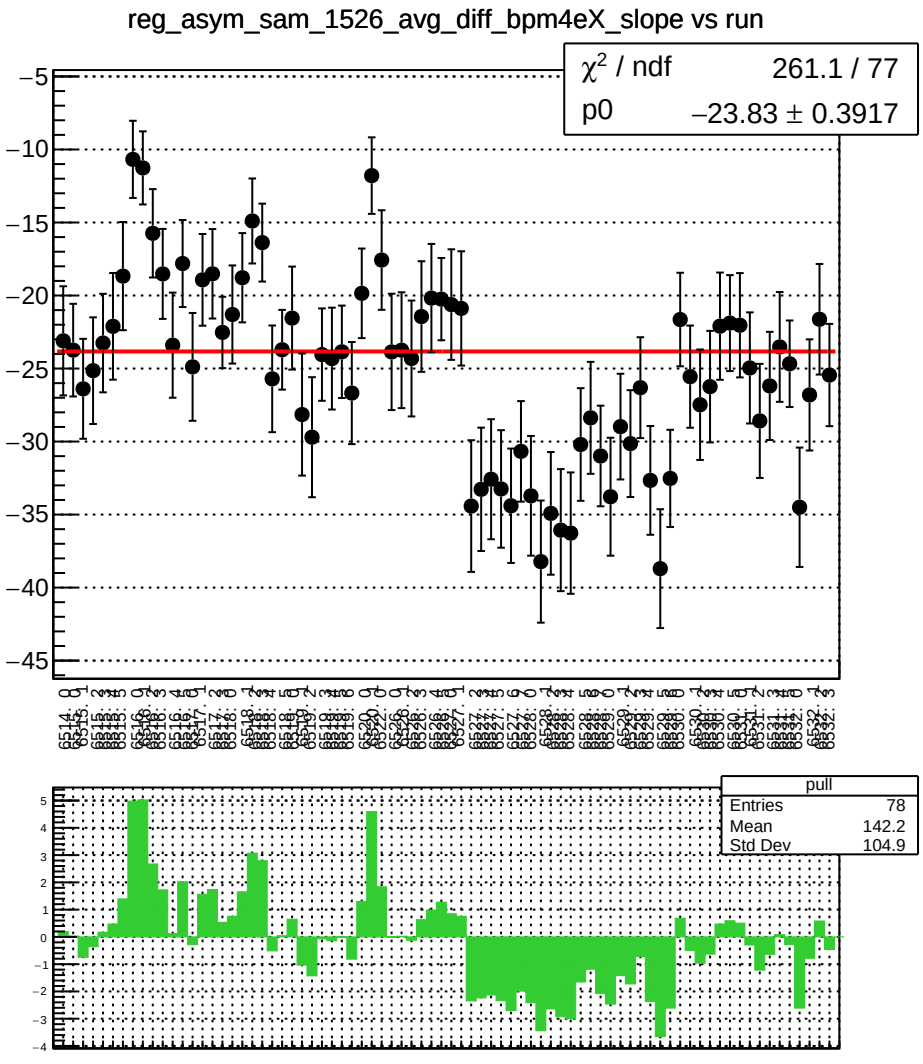

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 9.836 / 77
p0 −0.05757 ± 0.0455
pull
Entries 78
Mean 20.5
Std Dev 74.63

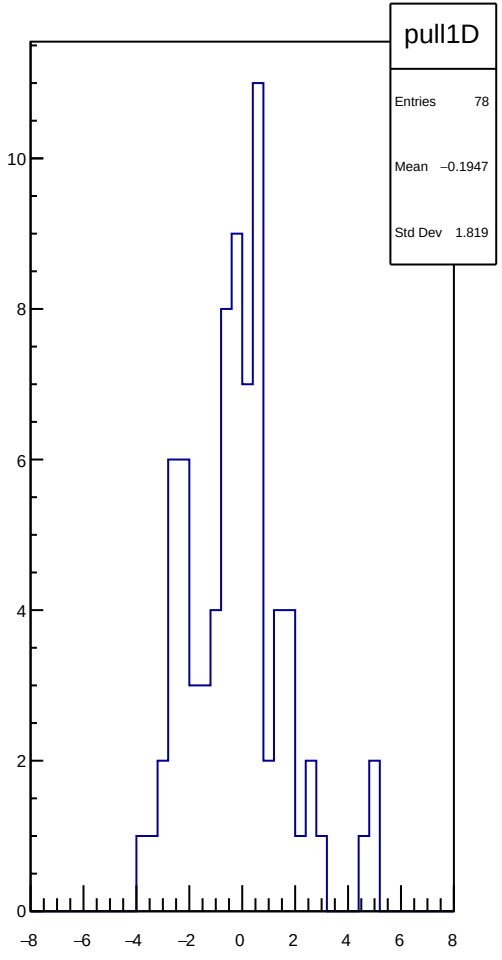

pull1D
Entries 78
Mean −0.009244
Std Dev 0.355

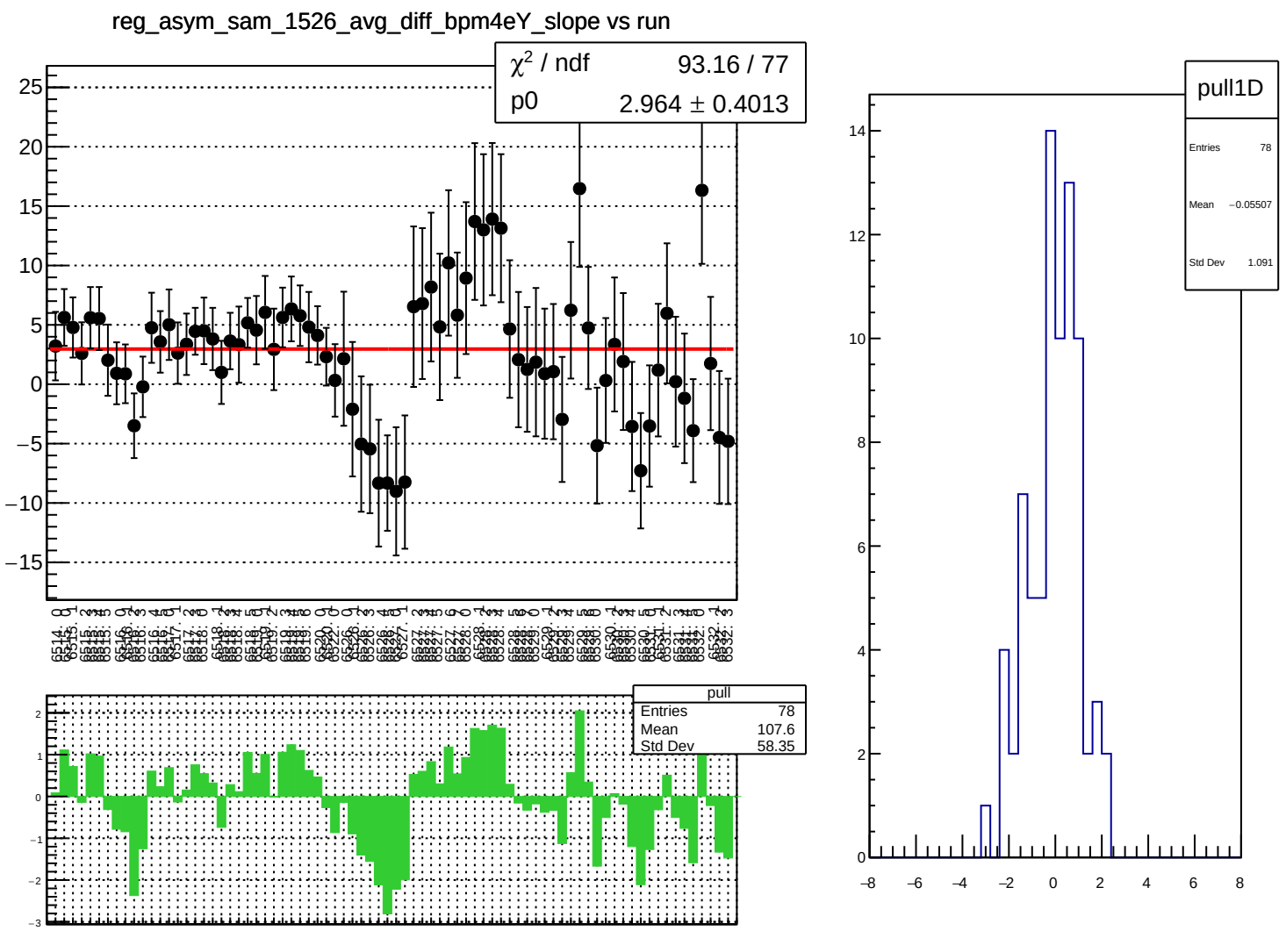

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 264.9 / 77
p0 −13.59 ± 0.3615
pull
Entries 78
Mean 130.7
Std Dev 93.76

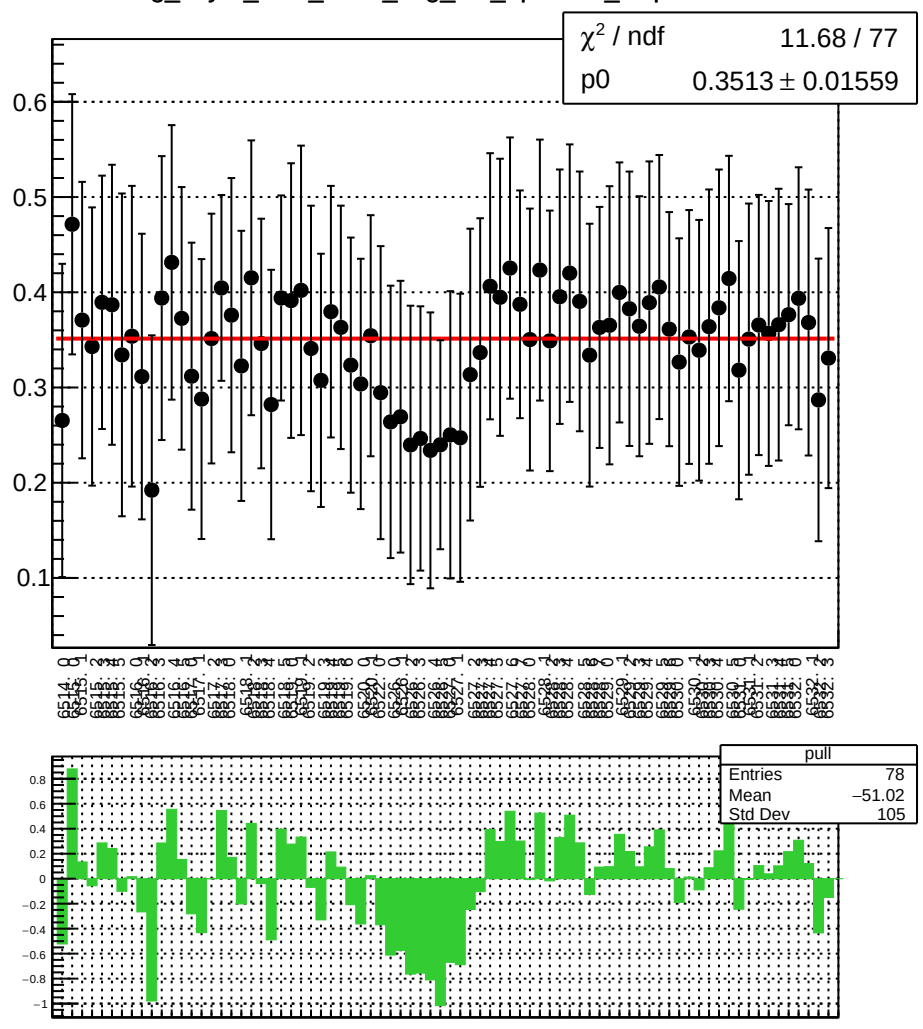

pull1D
Entries 78
Mean 0.1827
Std Dev 1.834

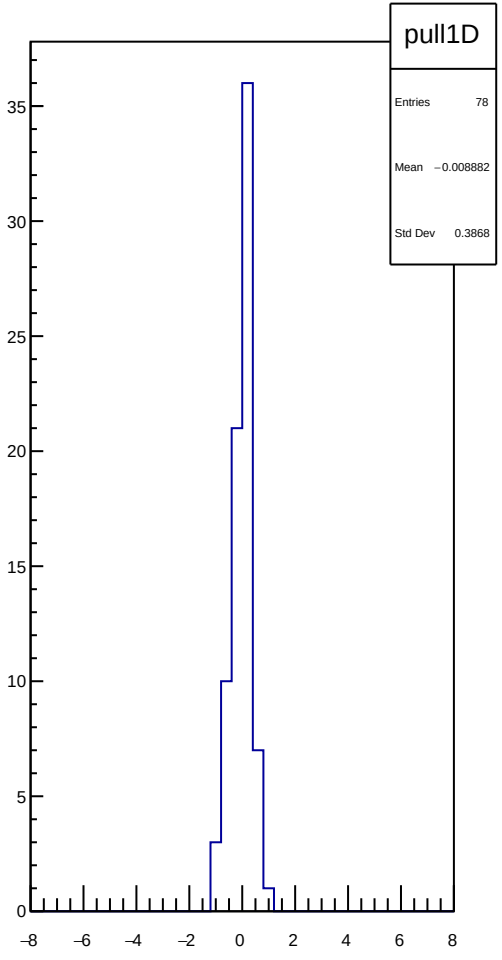

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 117.5 / 77
p0 5.398 ± 0.3466
pull
Entries 78
Mean 88.99
Std Dev 40.29
pull1D
Entries 78
Mean 0.1346
Std Dev 1.22

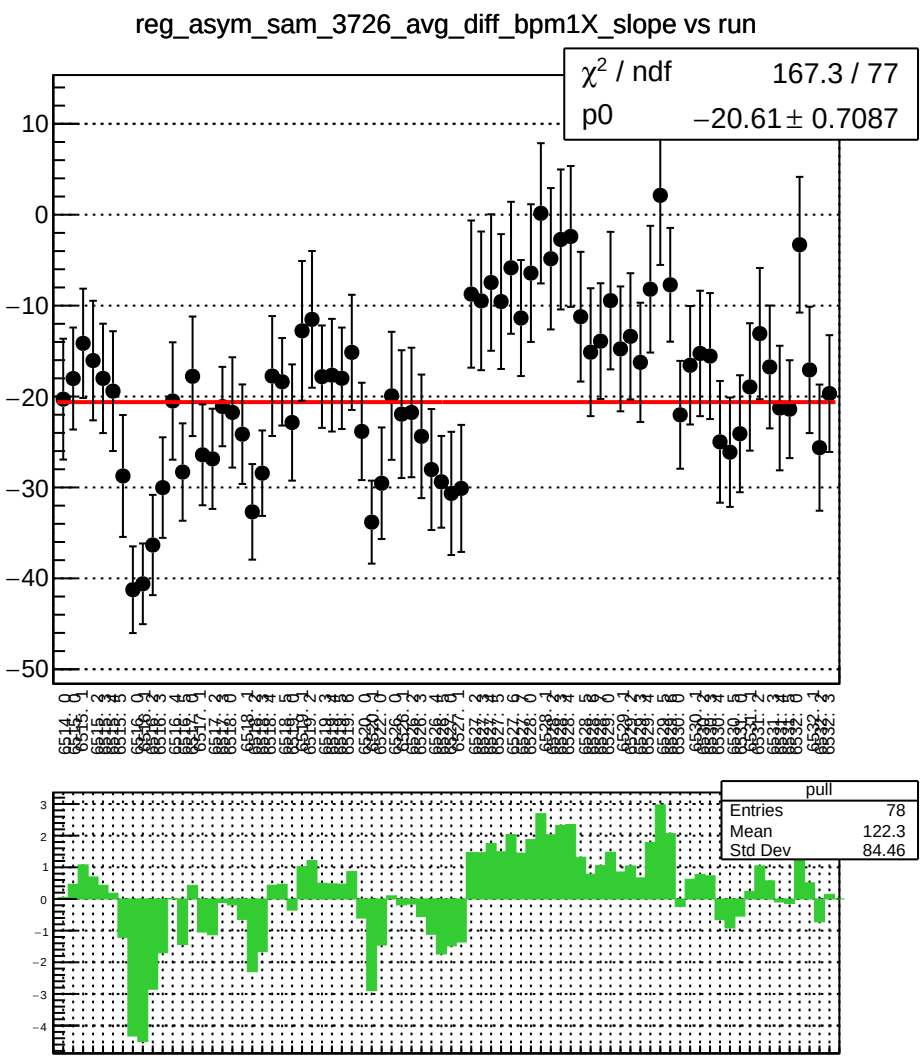

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 261.1 / 77
p0 −23.83 ± 0.3917
pull
Entries 78
Mean 142.2
Std Dev 104.9

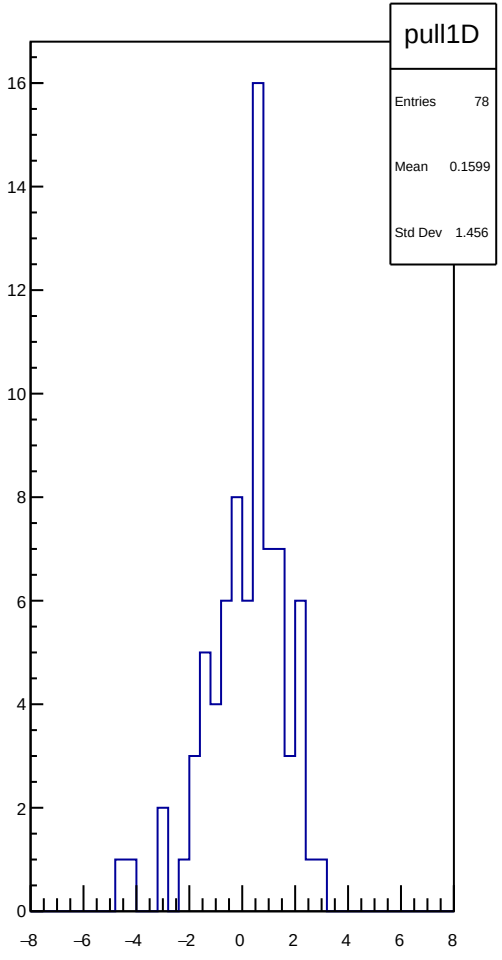

pull1D
Entries 78
Mean −0.1947
Std Dev 1.819

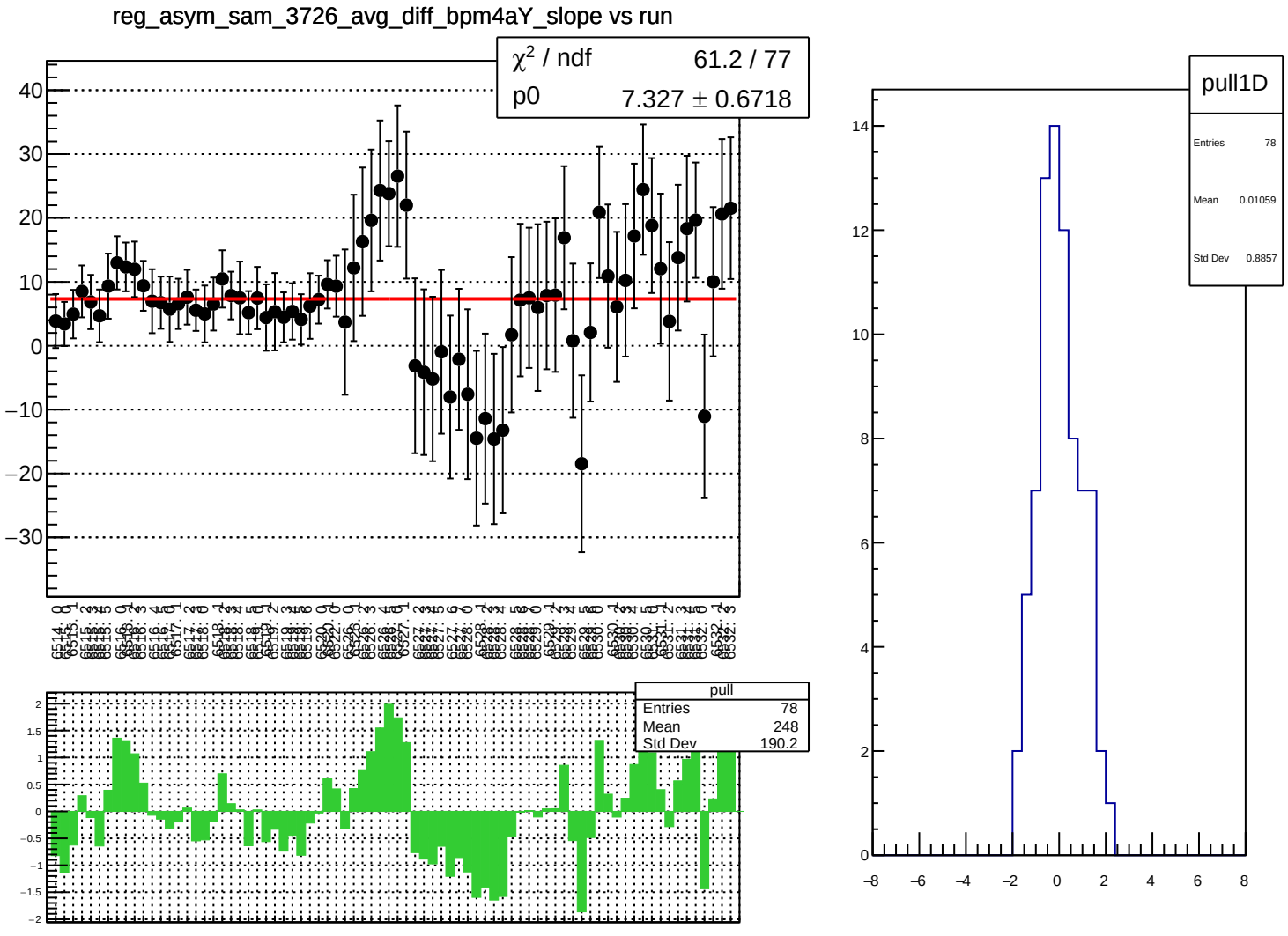

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 93.16 / 77
p0 2.964 ± 0.4013
pull
Entries 78
Mean 107.6
Std Dev 58.35
pull1D
Entries 78
Mean −0.05507
Std Dev 1.091

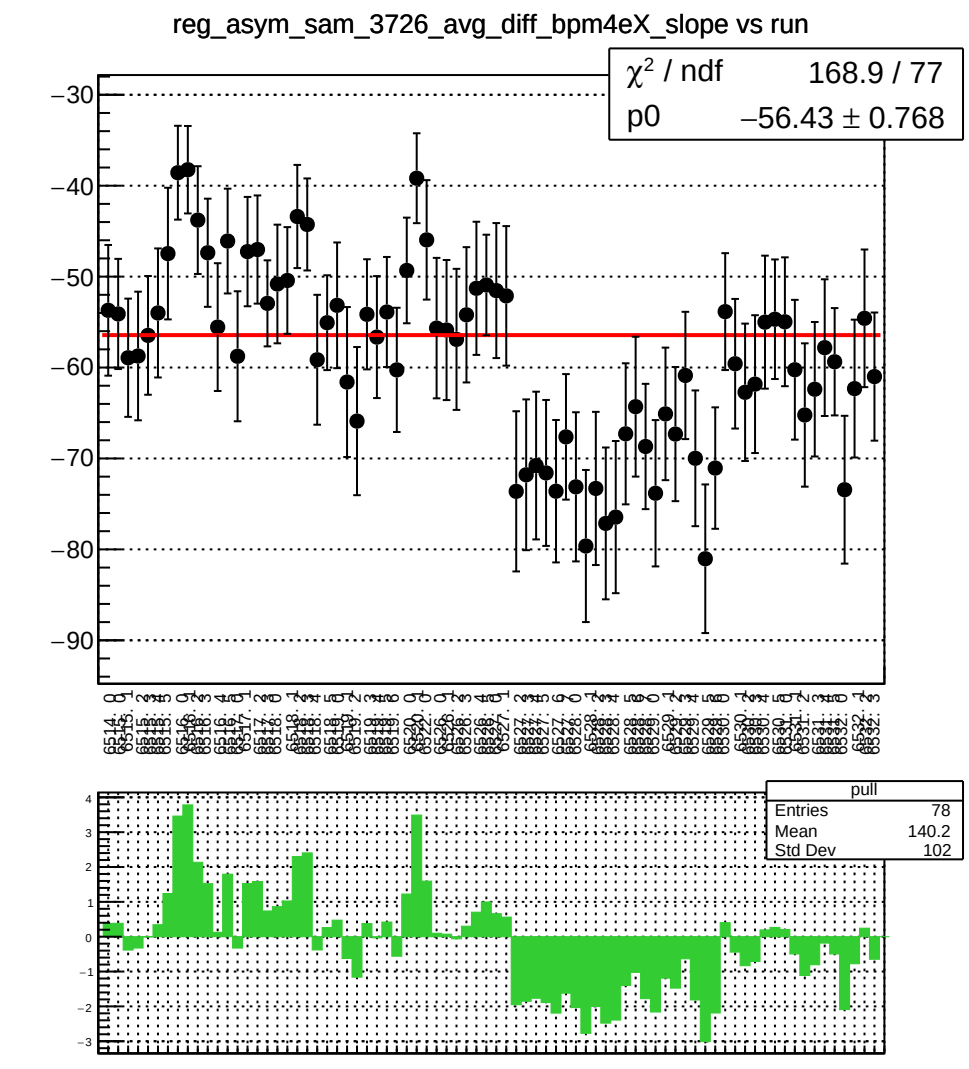

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 11.68 / 77
p0 0.3513 ± 0.01559
pull
Entries 78
Mean −51.02
Std Dev 105

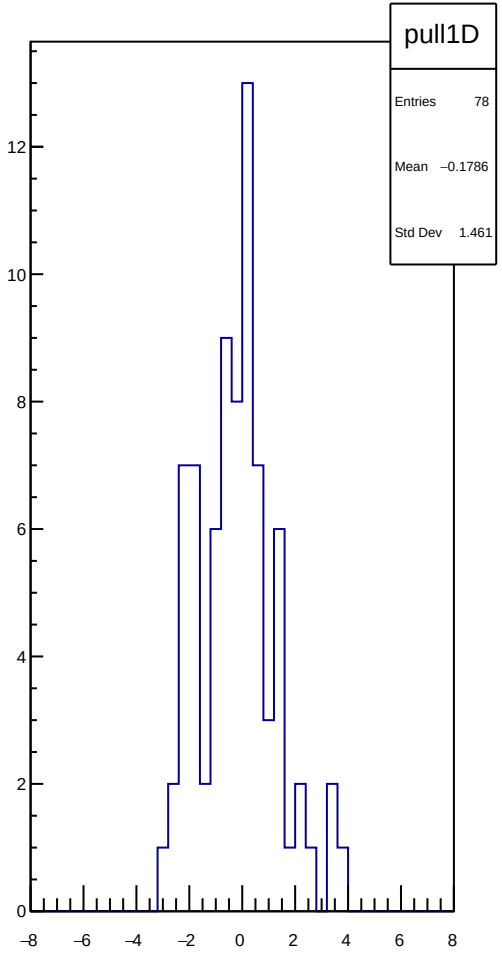

pull1D
Entries 78
Mean −0.008882
Std Dev 0.3868

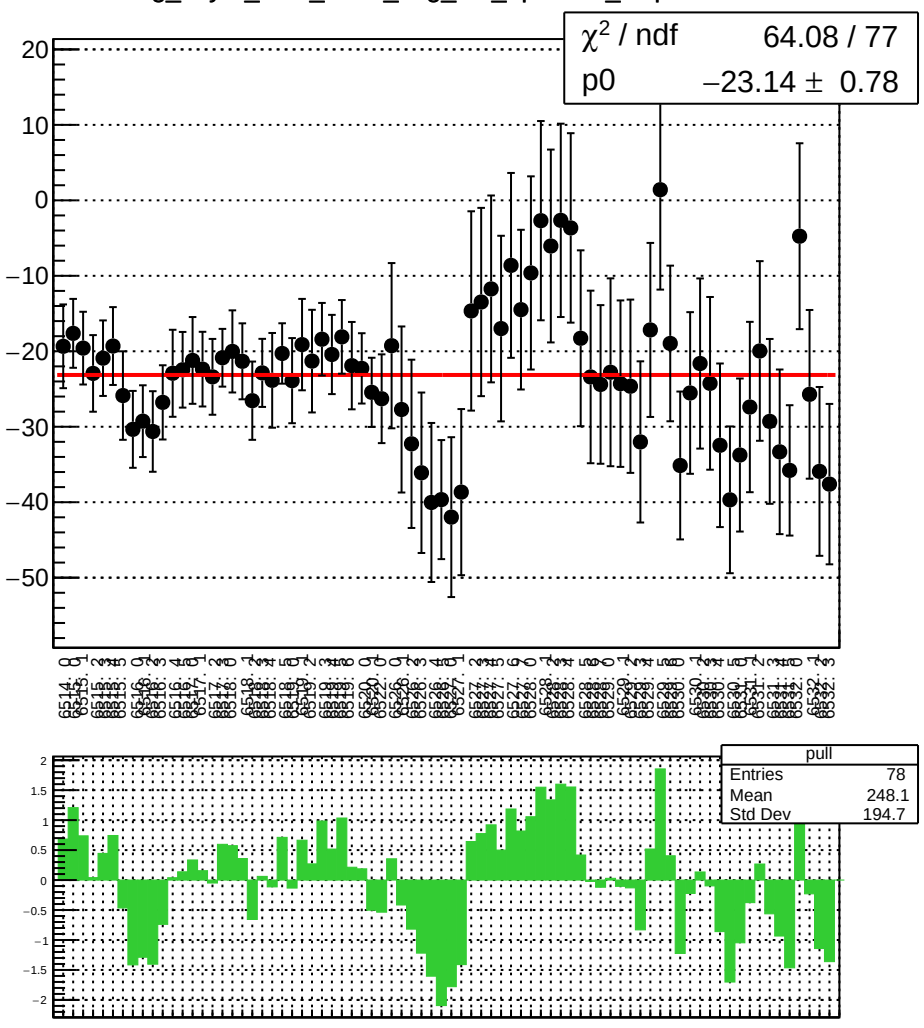

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 167.3 / 77
p0 −20.61 ± 0.7087
pull
Entries 78
Mean 122.3
Std Dev 84.46

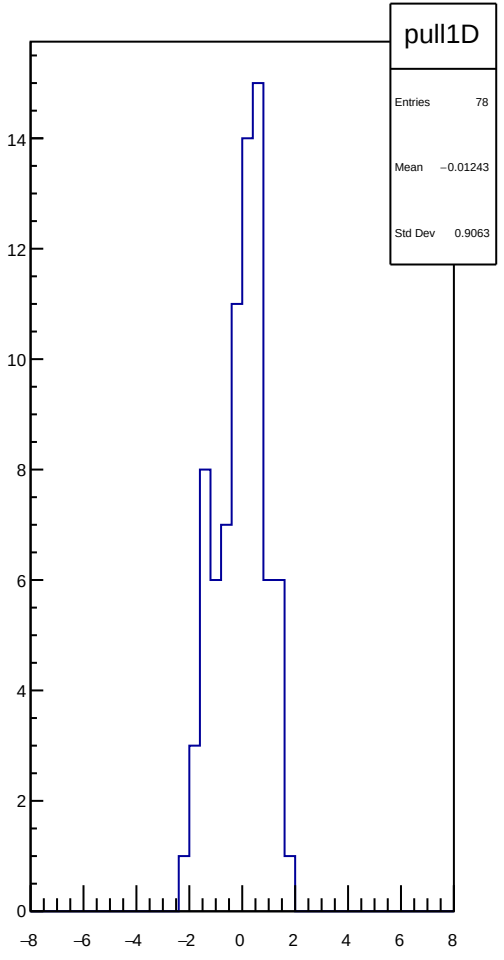

pull1D
Entries 78
Mean 0.1599
Std Dev 1.456

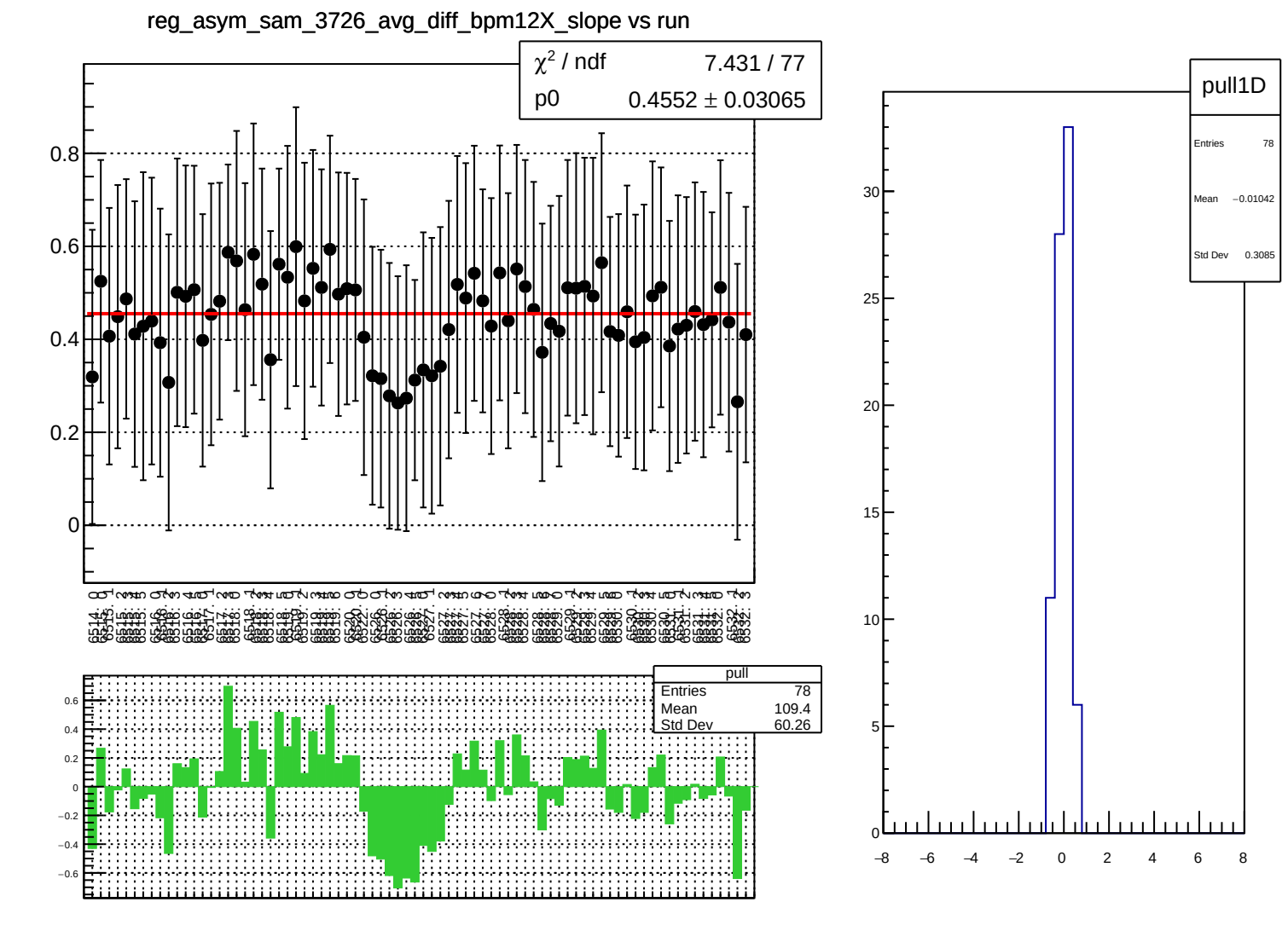

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 61.2 / 77
p0 7.327 ± 0.6718
pull
Entries 78
Mean 248
Std Dev 190.2
pull1D
Entries 78
Mean 0.01059
Std Dev 0.8857

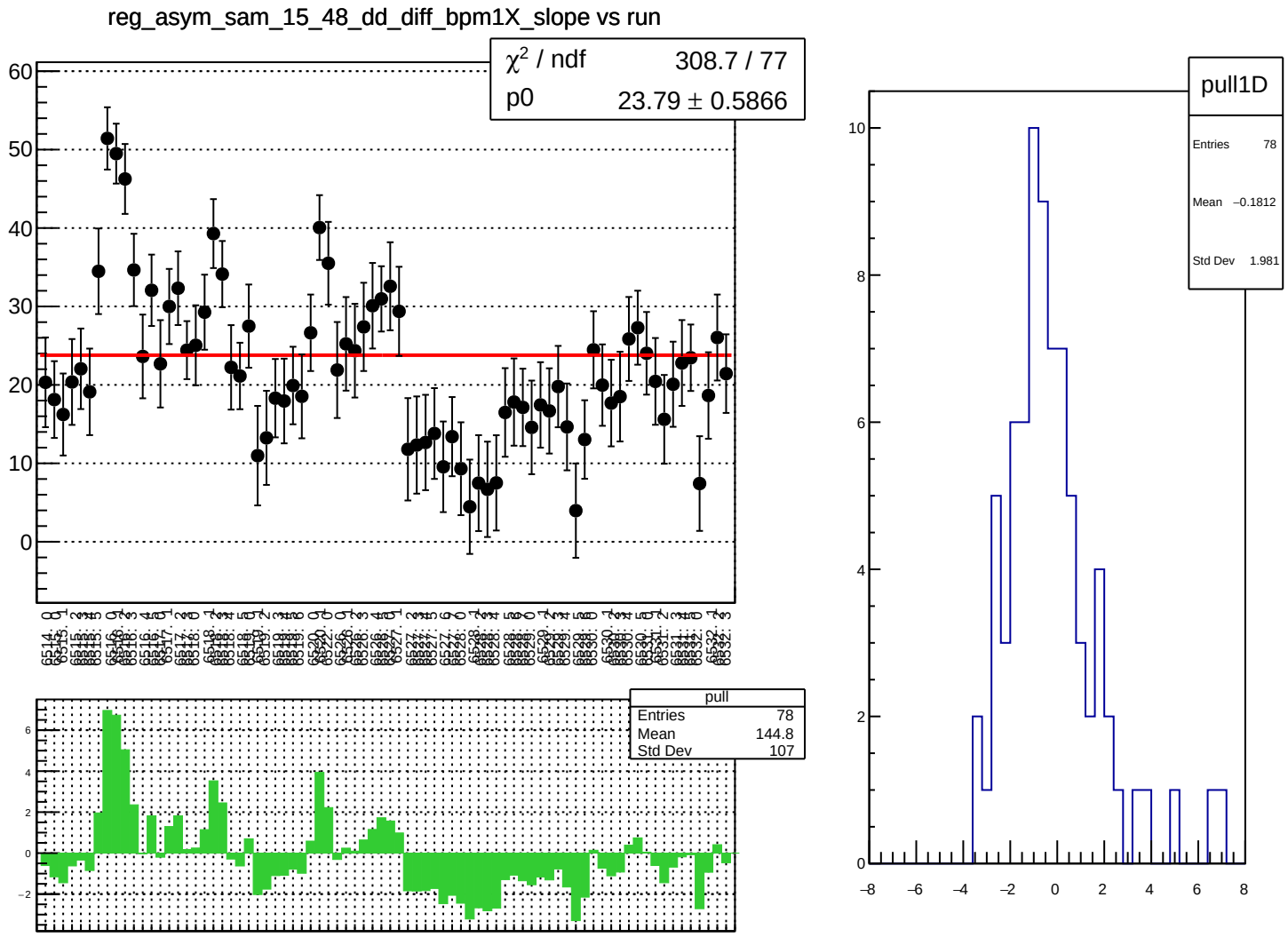

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 168.9 / 77
p0 −56.43 ± 0.768
pull
Entries 78
Mean 140.2
Std Dev 102

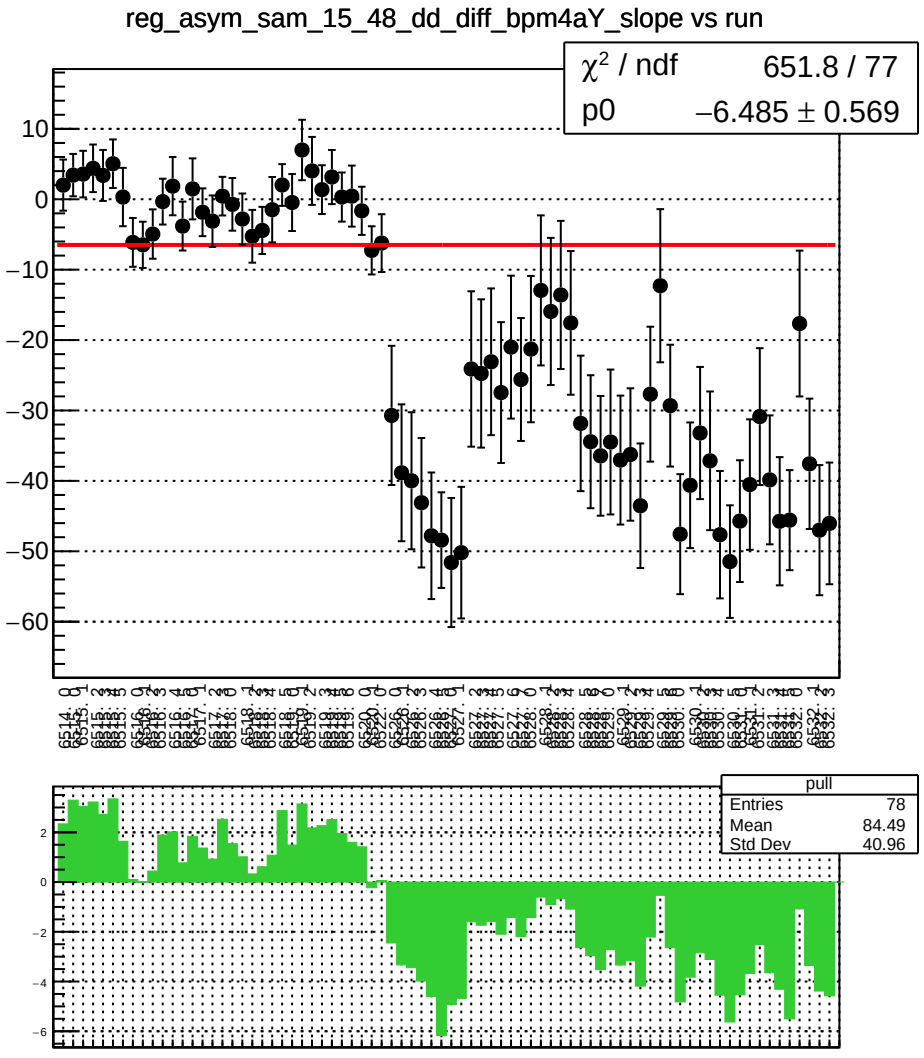

pull1D
Entries 78
Mean −0.1786
Std Dev 1.461

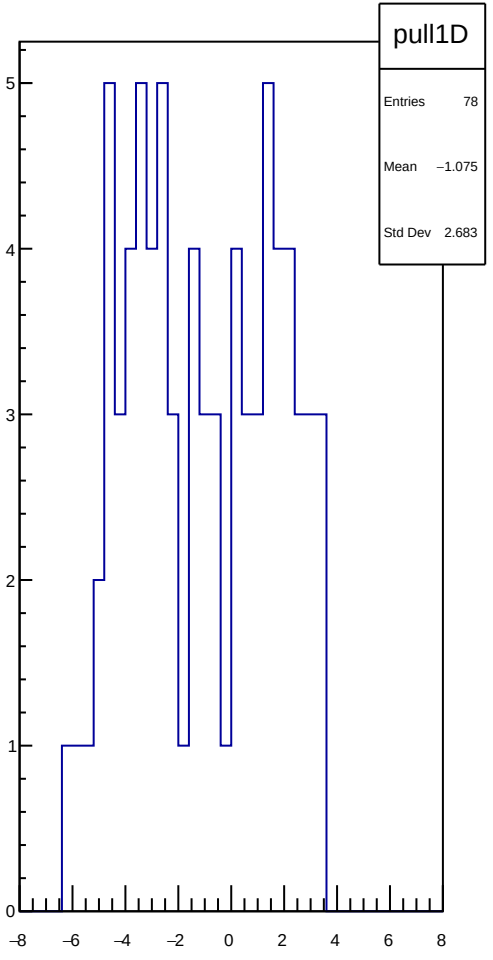

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 64.08 / 77
p0 −23.14 ± 0.78
pull
Entries 78
Mean 248.1
Std Dev 194.7

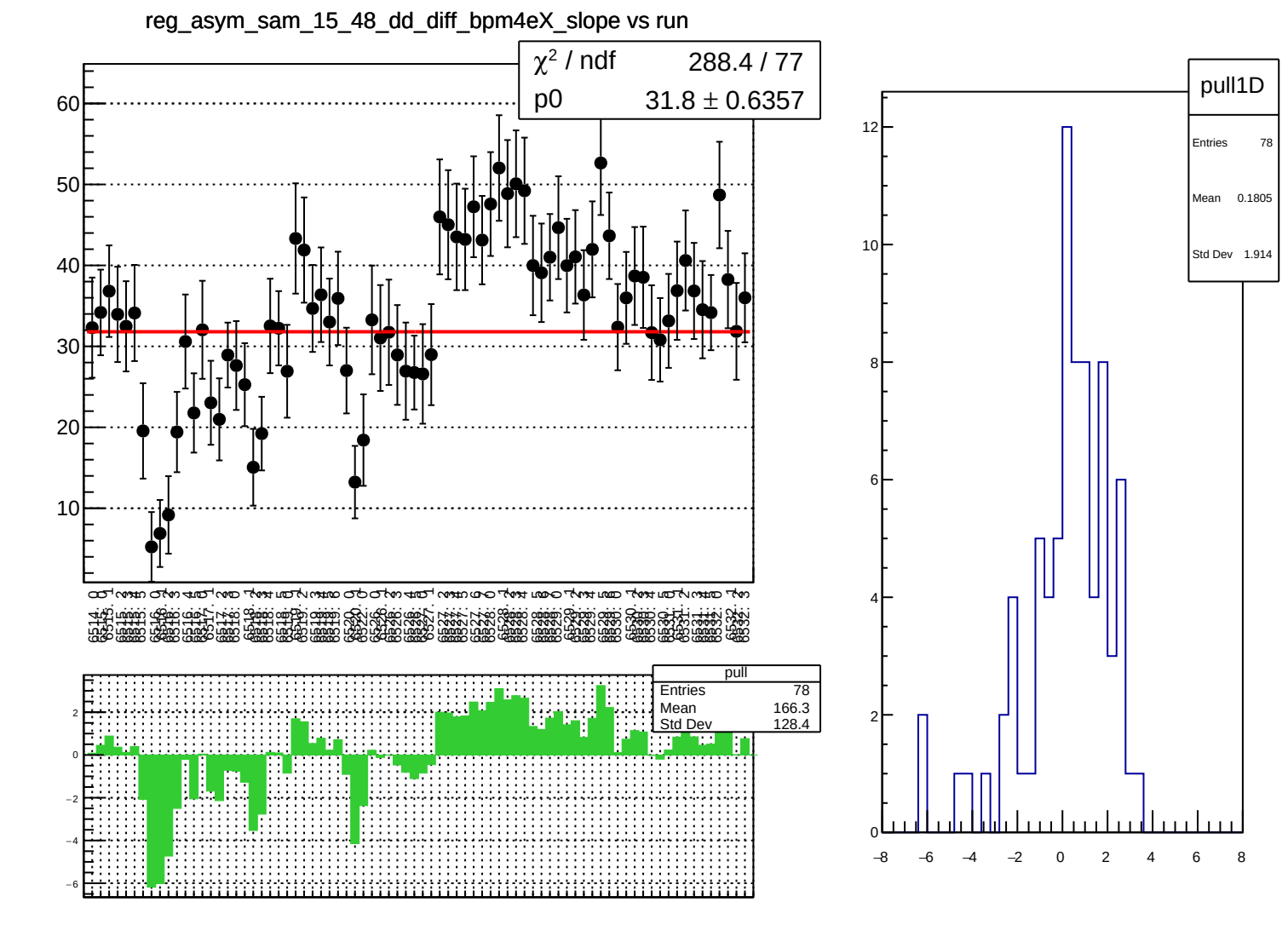

pull1D
Entries 78
Mean −0.01243
Std Dev 0.9063

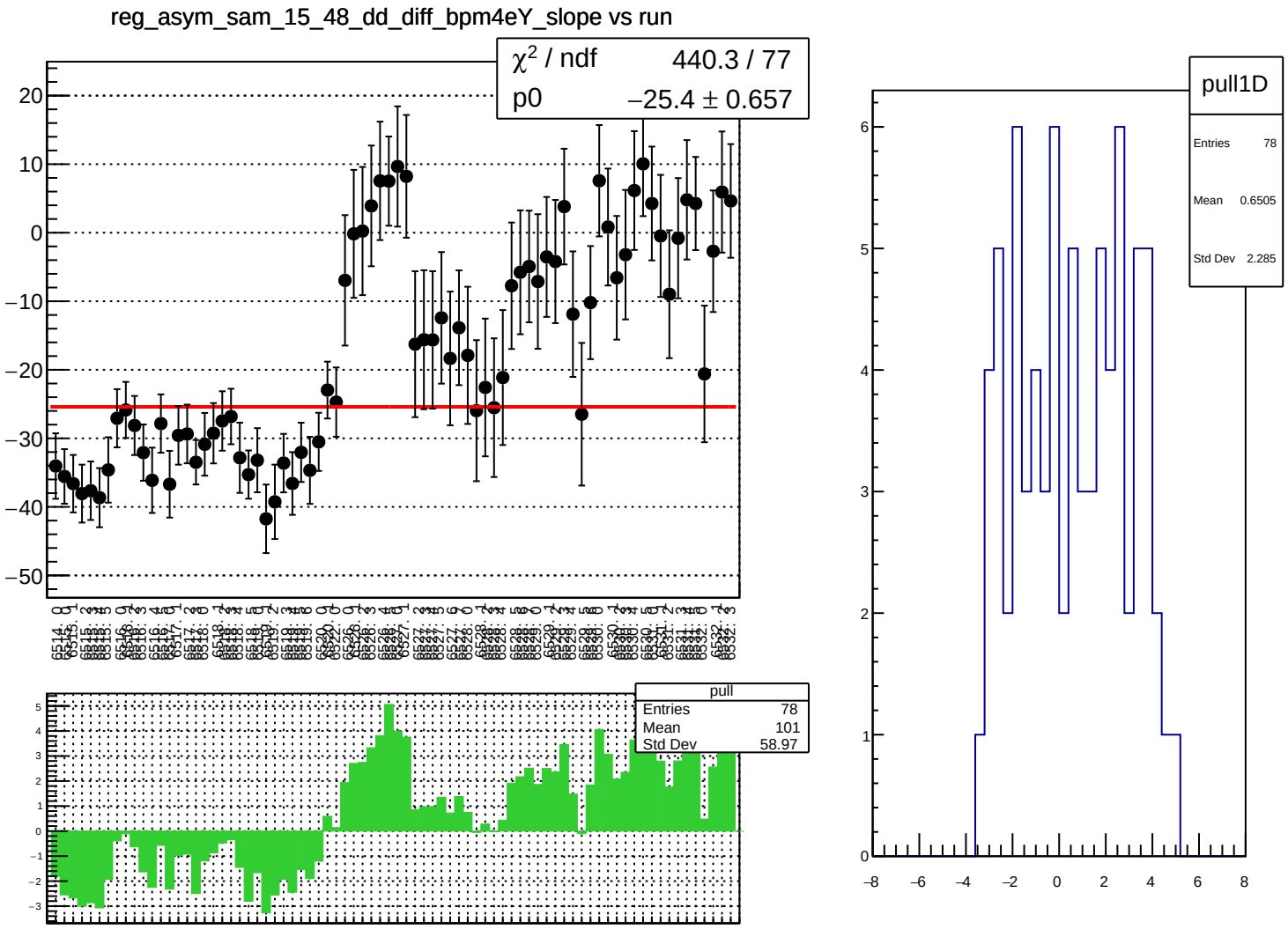

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 7.431 / 77
p0 0.4552 ± 0.03065
pull
Entries 78
Mean 109.4
Std Dev 60.26
pull1D
Entries 78
Mean −0.01042
Std Dev 0.3085

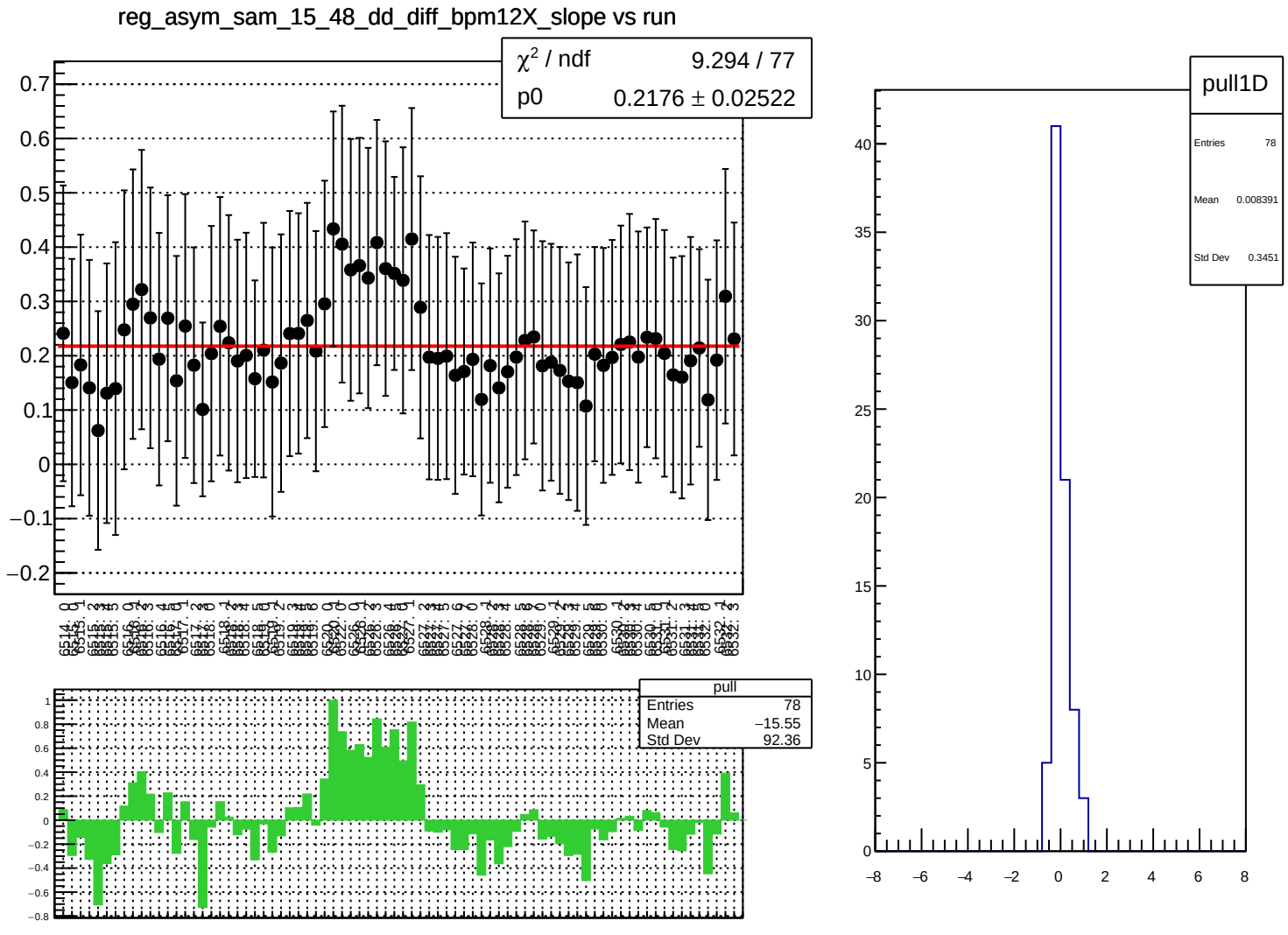

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 308.7 / 77
p0 23.79 ± 0.5866
pull
Entries 78
Mean 144.8
Std Dev 107
pull1D
Entries 78
Mean −0.1812
Std Dev 1.981

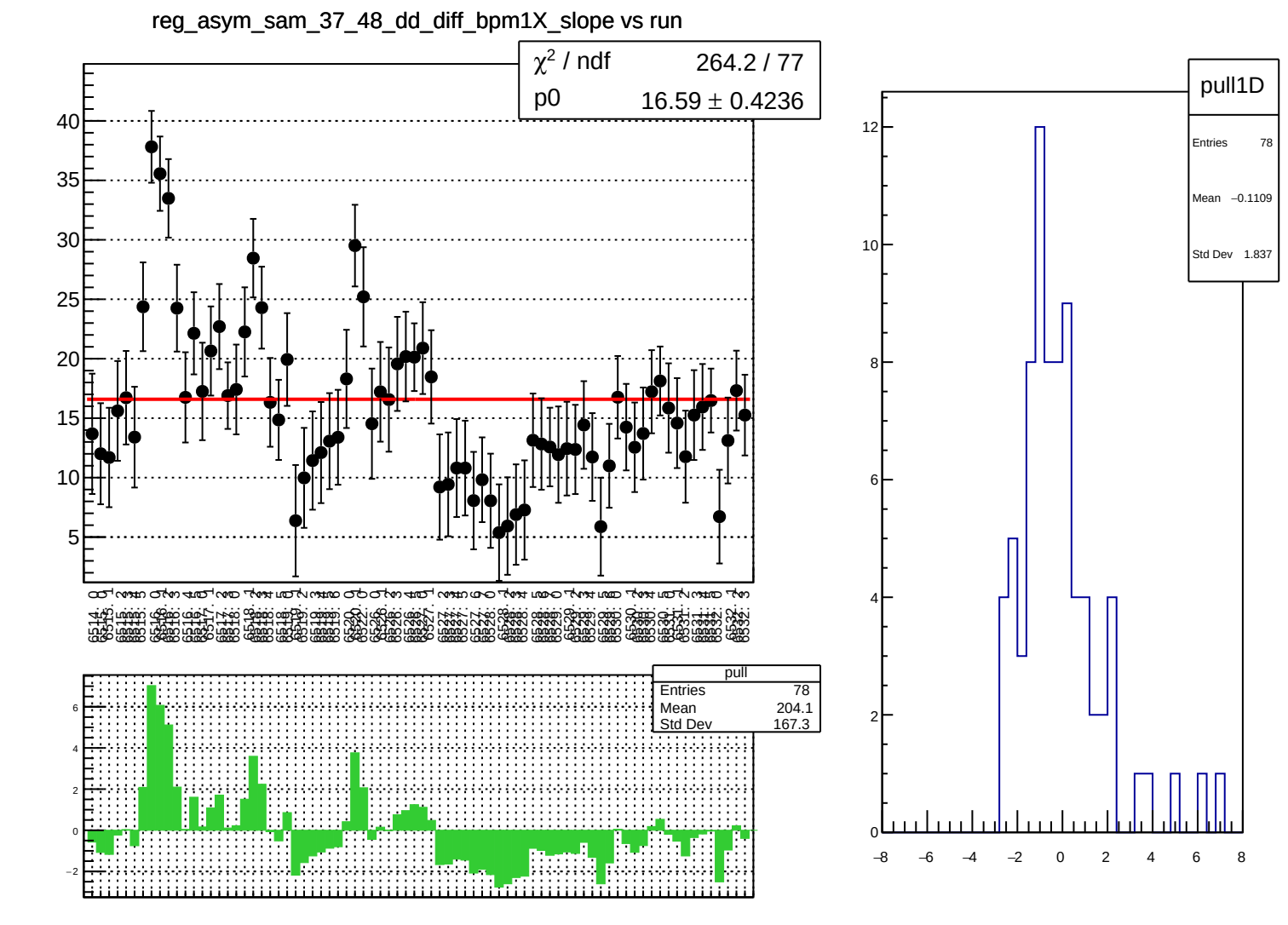

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 651.8 / 77
p0 −6.485 ± 0.569
pull
Entries 78
Mean 84.49
Std Dev 40.96

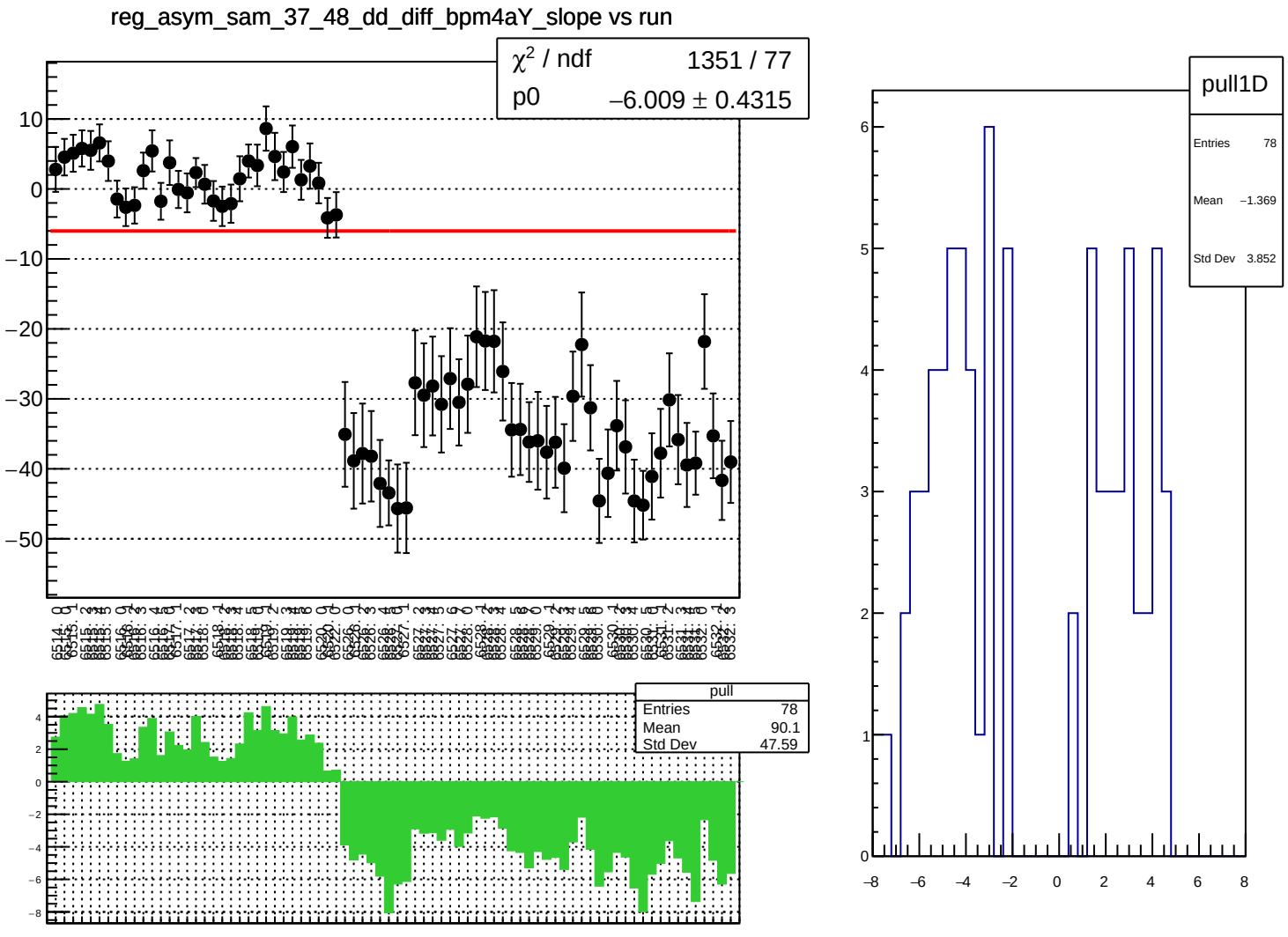

pull1D
Entries 78
Mean −1.075
Std Dev 2.683

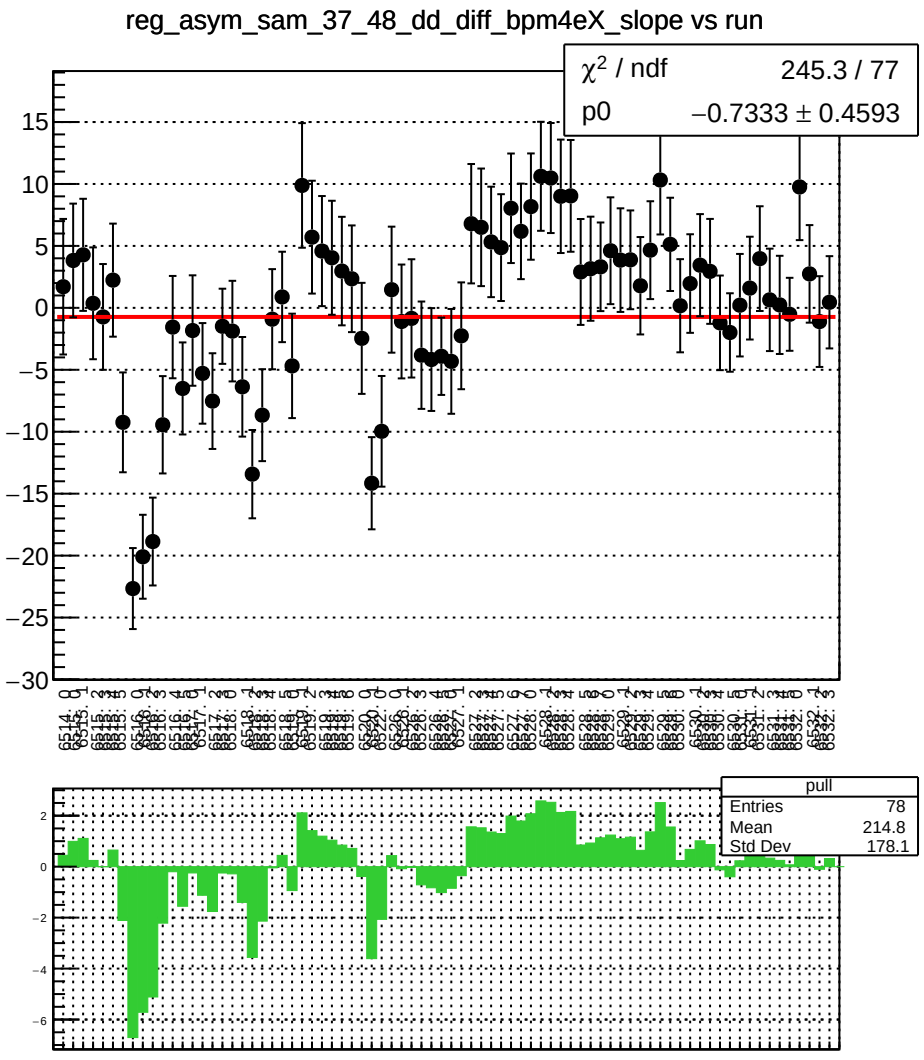

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 288.4 / 77
p0 31.8 ± 0.6357
pull
Entries 78
Mean 166.3
Std Dev 128.4
pull1D
Entries 78
Mean 0.1805
Std Dev 1.914

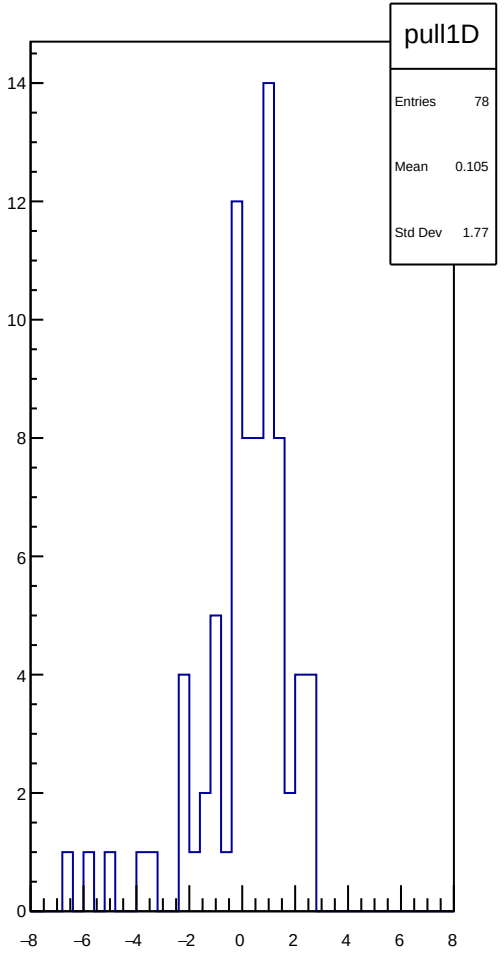

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 440.3 / 77
p0 −25.4 ± 0.657
pull
Entries 78
Mean 101
Std Dev 58.97
pull1D
Entries 78
Mean 0.6505
Std Dev 2.285

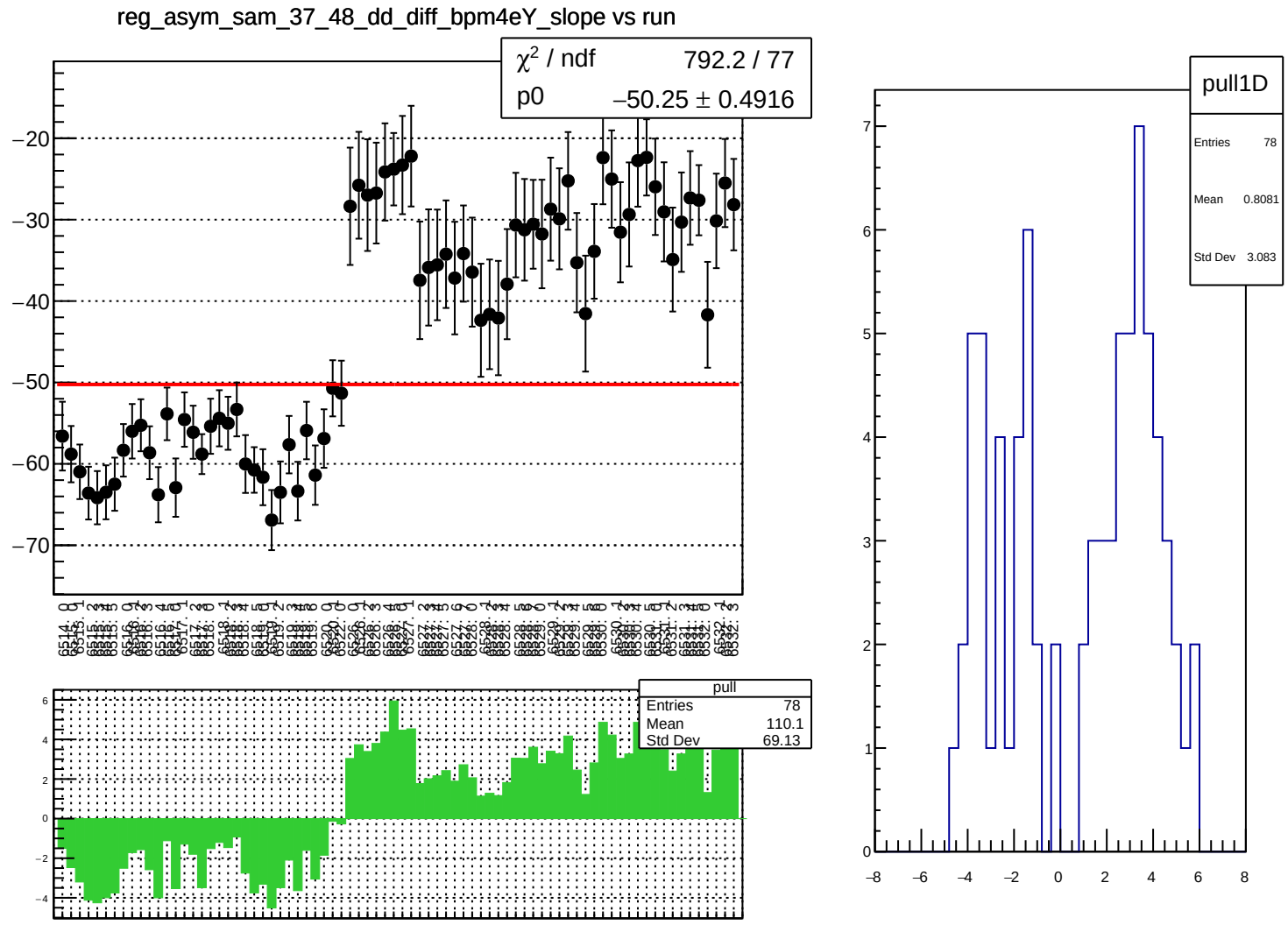

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 9.294 / 77
p0 0.2176 ± 0.02522
pull
Entries 78
Mean −15.55
Std Dev 92.36
pull1D
Entries 78
Mean 0.008391
Std Dev 0.3451

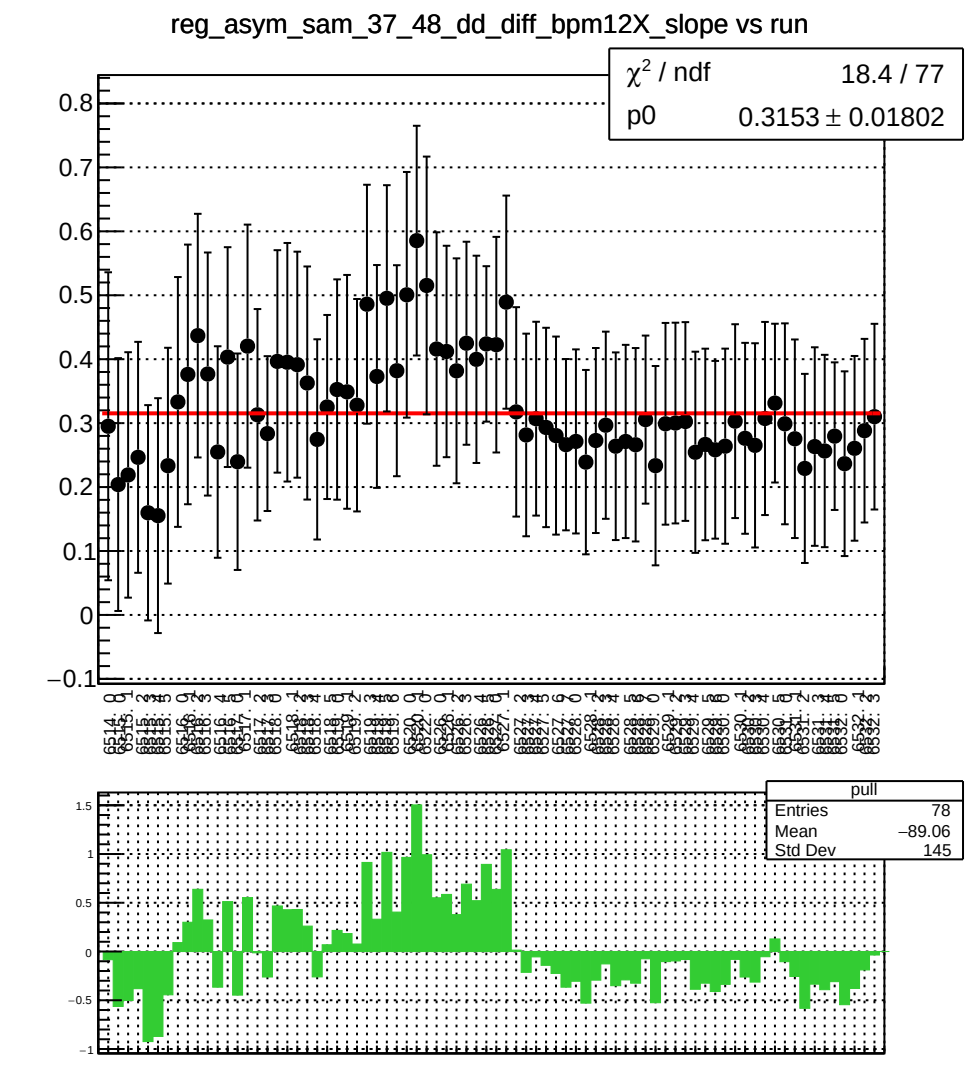

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 264.2 / 77
p0 16.59 ± 0.4236
pull
Entries 78
Mean 204.1
Std Dev 167.3
pull1D
Entries 78
Mean −0.1109
Std Dev 1.837

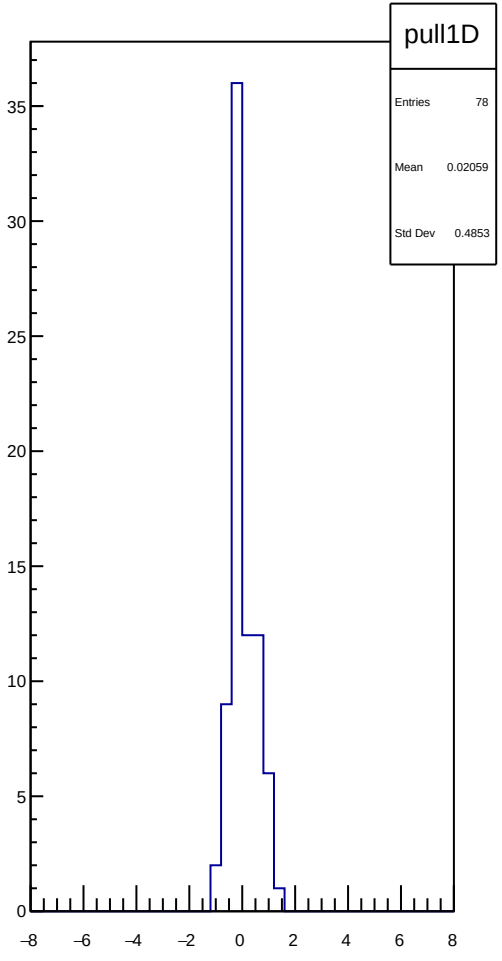

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 1351 / 77
p0 −6.009 ± 0.4315
pull
Entries 78
Mean 90.1
Std Dev 47.59
pull1D
Entries 78
Mean −1.369
Std Dev 3.852

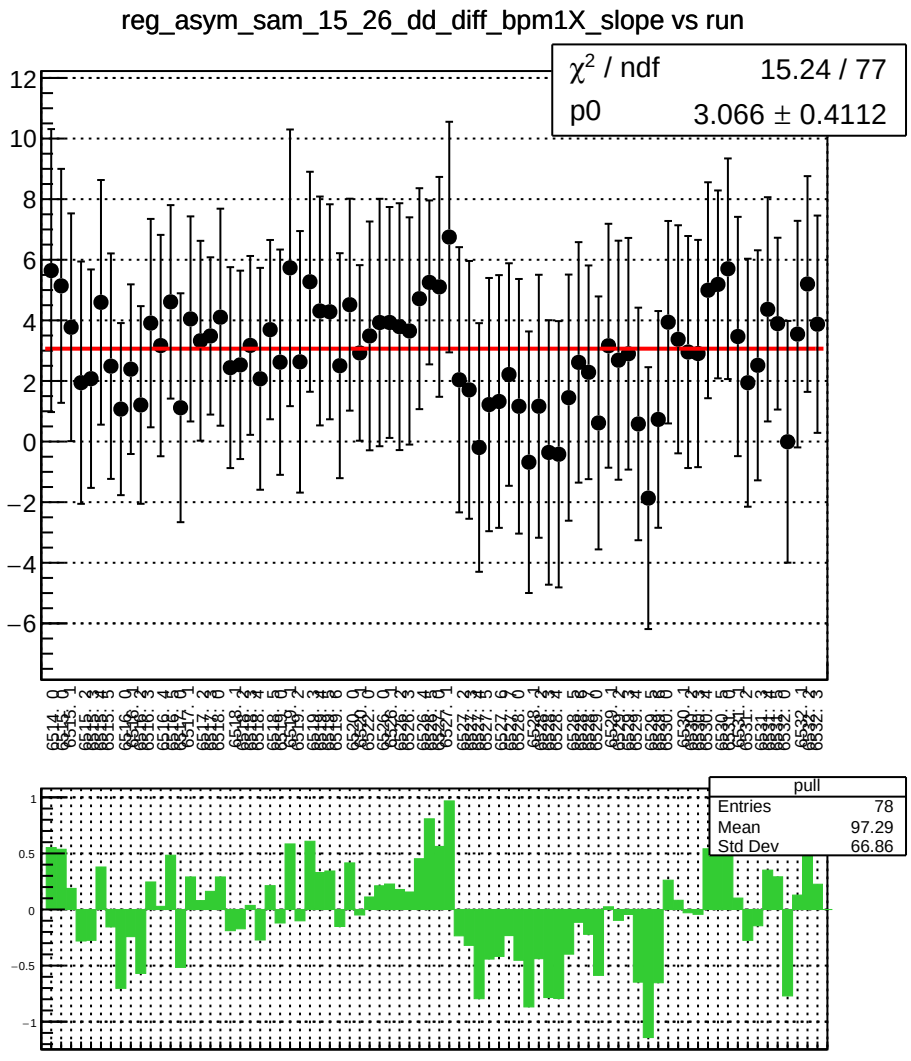

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 245.3 / 77
p0 −0.7333 ± 0.4593
pull
Entries 78
Mean 214.8
Std Dev 178.1

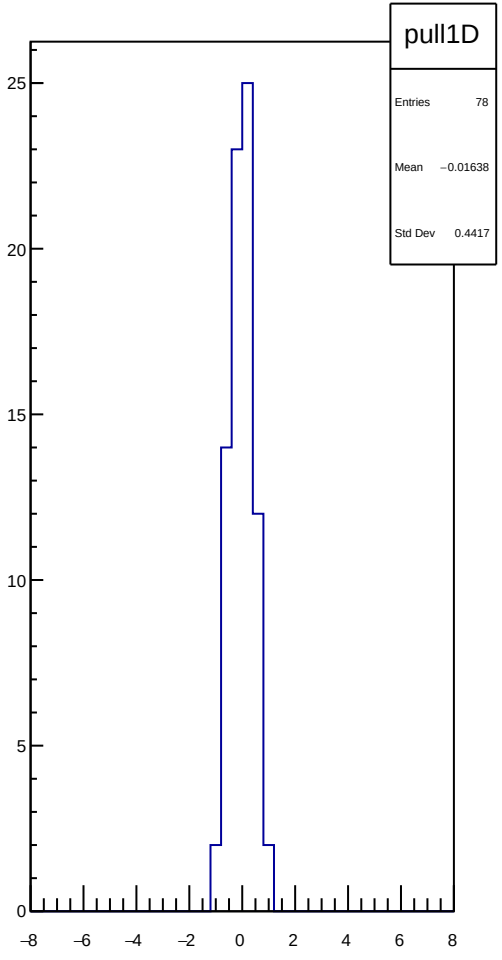

pull1D
Entries 78
Mean 0.105
Std Dev 1.77

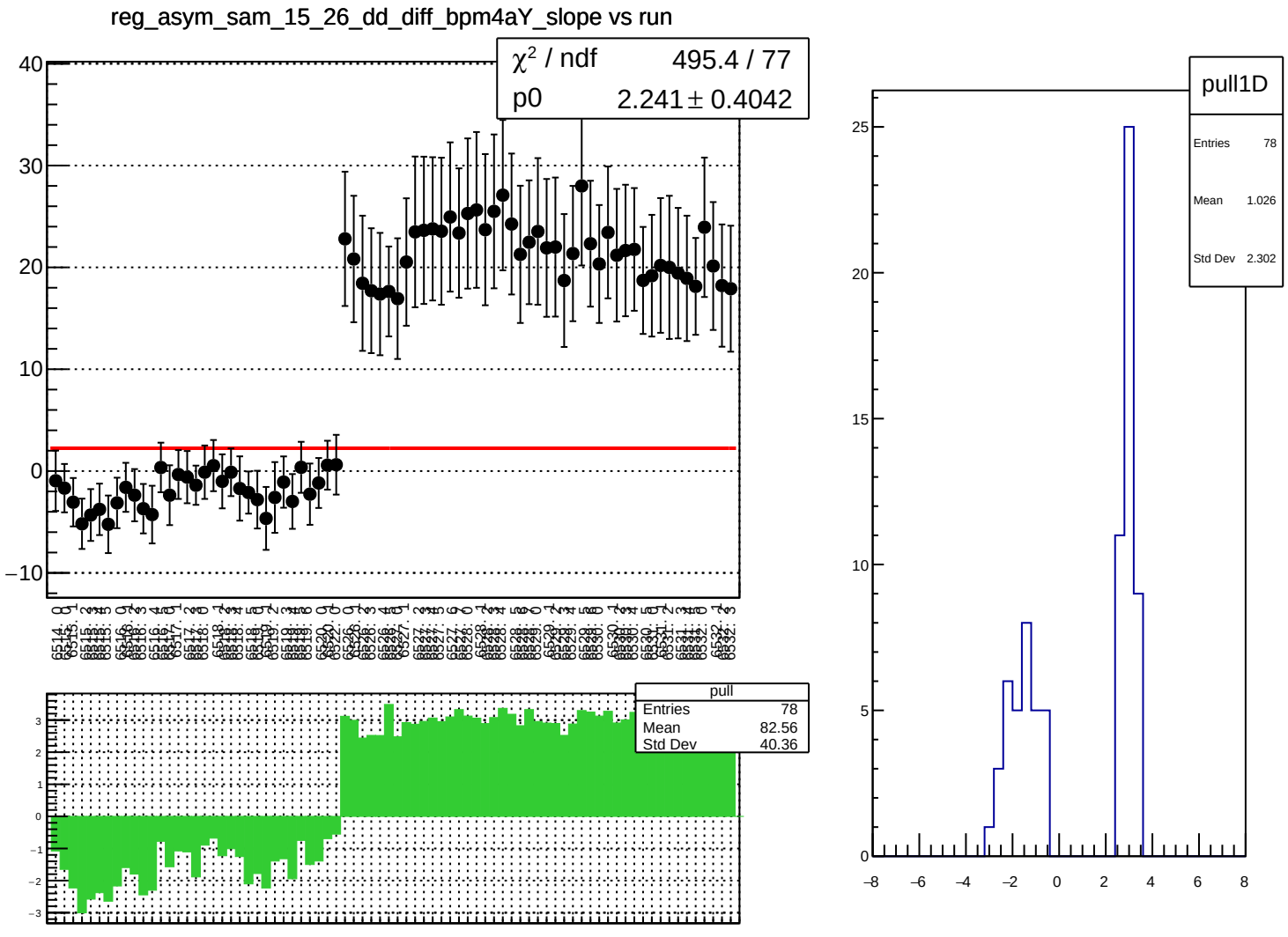

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 792.2 / 77
p0 −50.25 ± 0.4916
−20
−30
−40
−50
−60
−70
pull
Entries 78
Mean 110.1
Std Dev 69.13
pull1D
Entries 78
Mean 0.8081
Std Dev 3.083

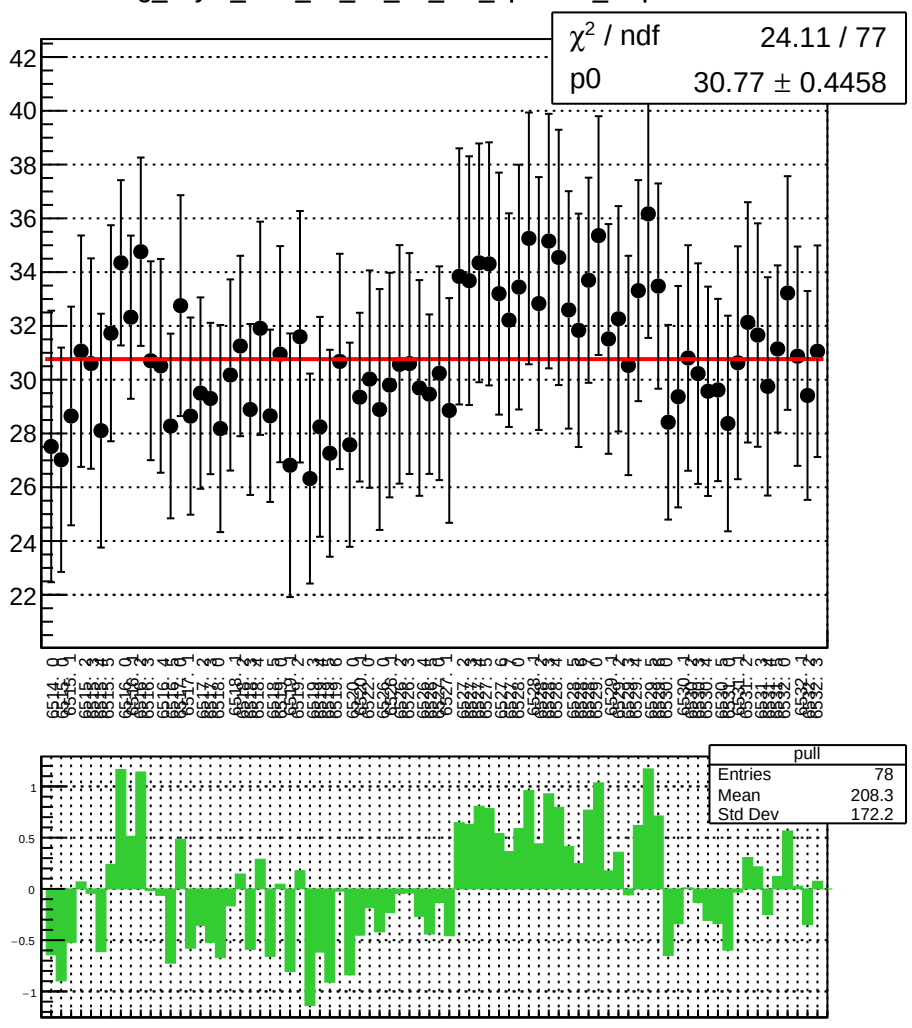

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 18.4 / 77
p0 0.3153 ± 0.01802
pull
Entries 78
Mean −89.06
Std Dev 145

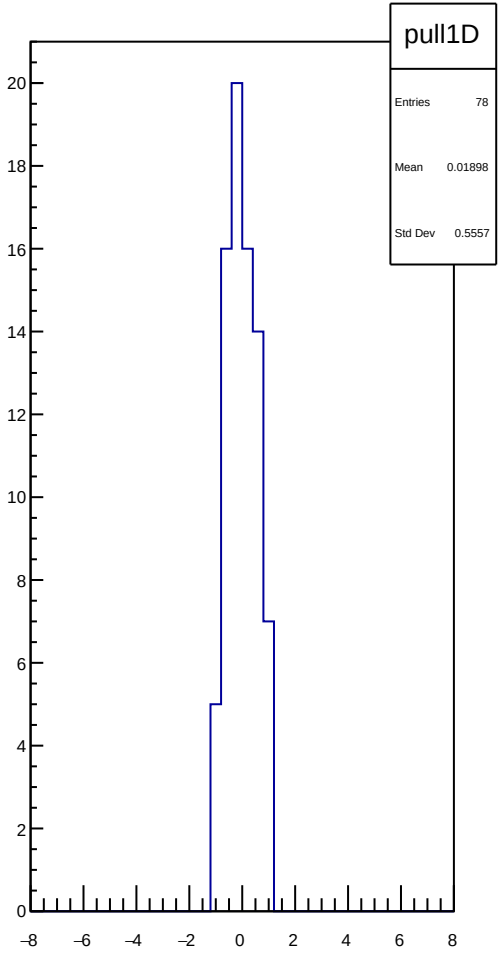

pull1D
Entries 78
Mean 0.02059
Std Dev 0.4853

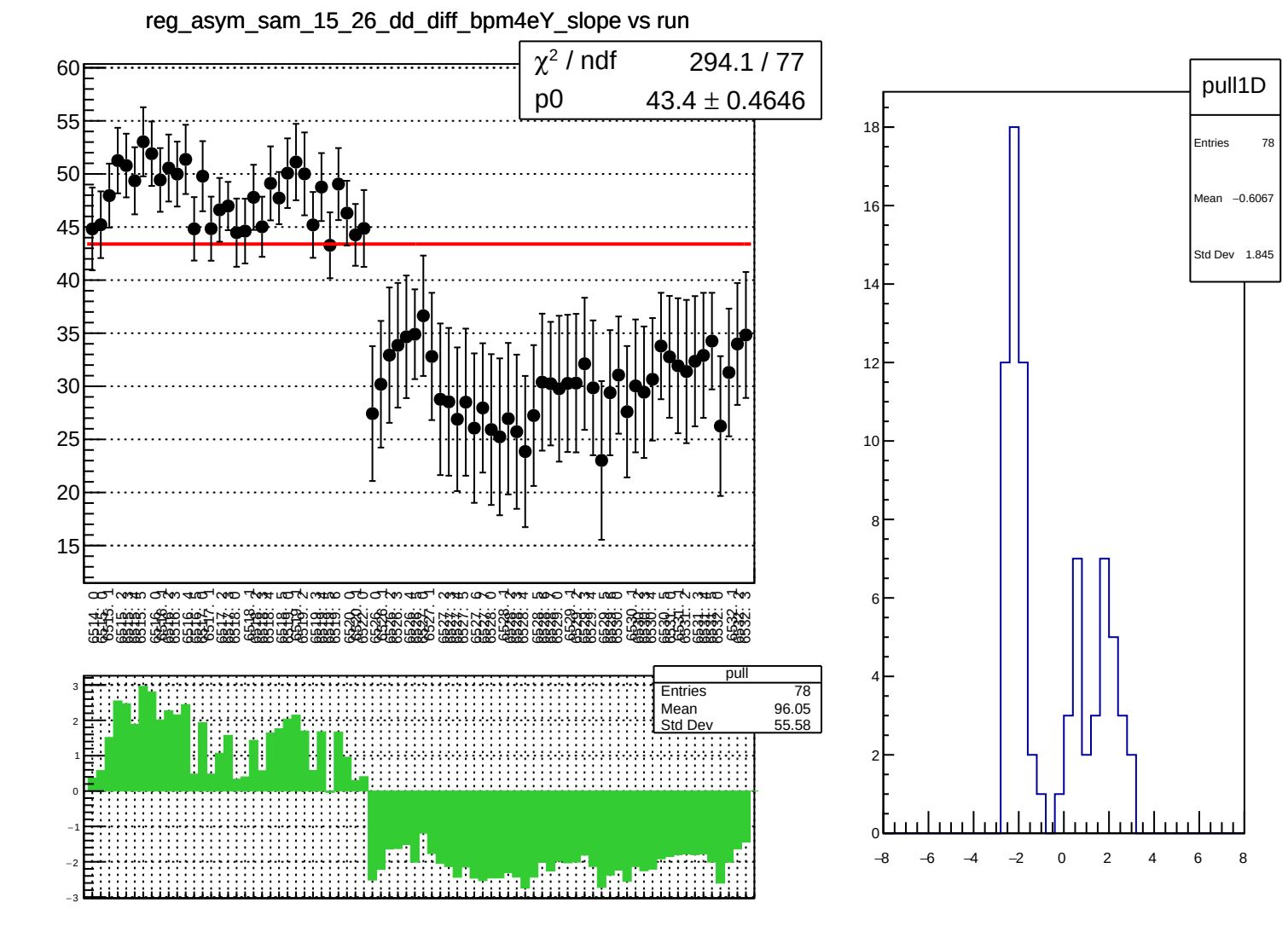

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 15.24 / 77
p0 3.066 ± 0.4112
pull
Entries 78
Mean 97.29
Std Dev 66.86

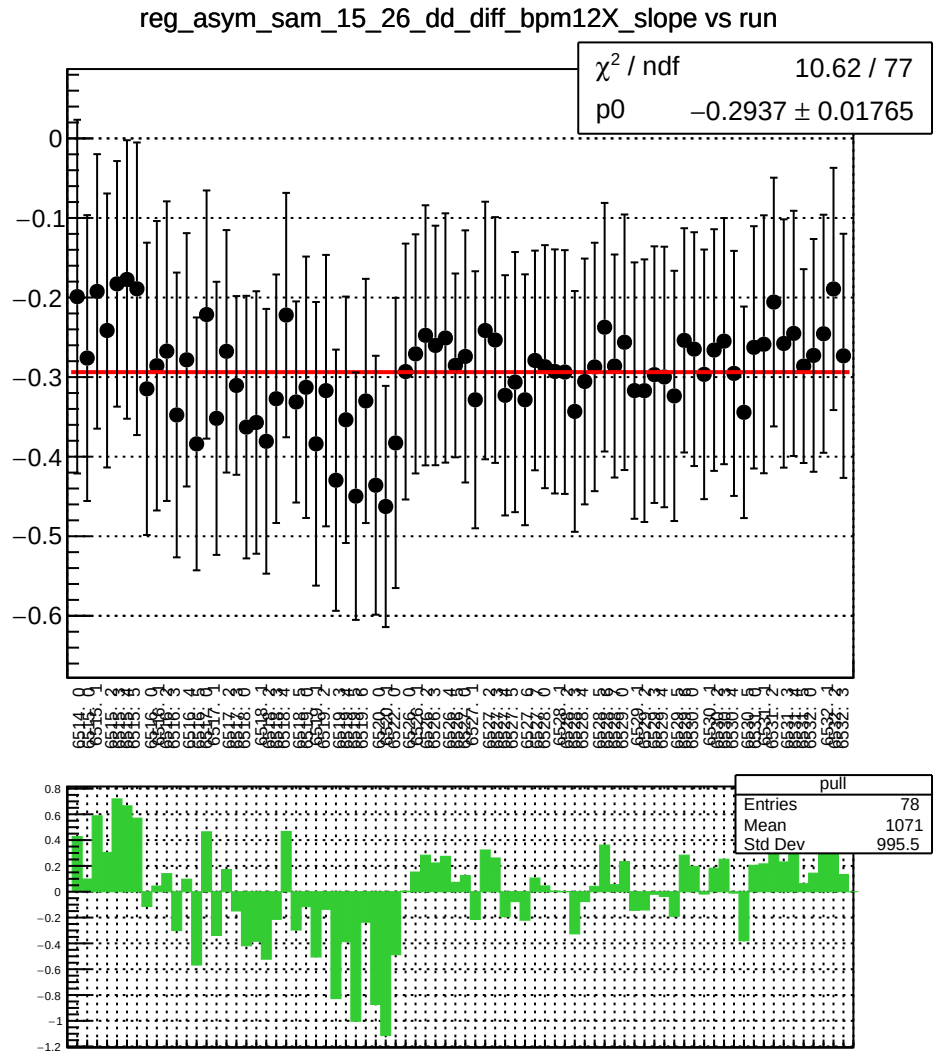

pull1D
Entries 78
Mean −0.01638
Std Dev 0.4417

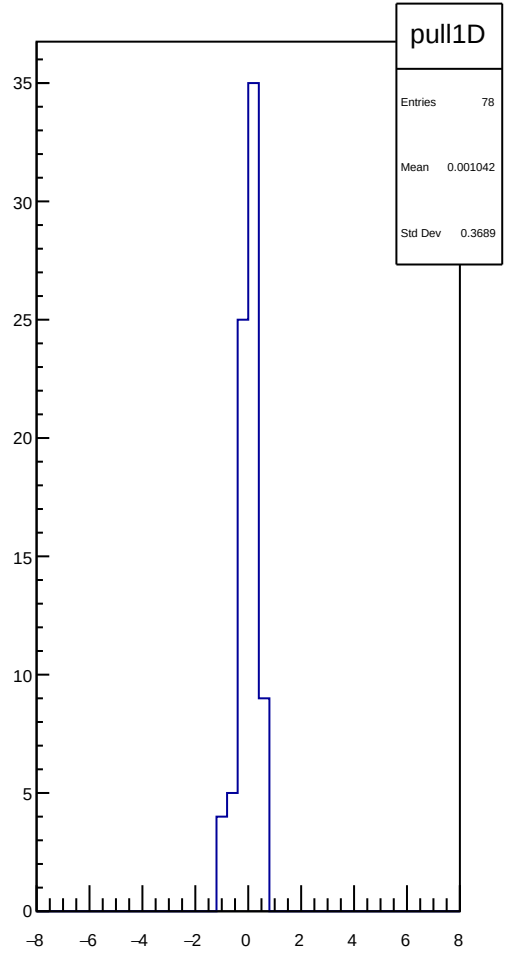

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 495.4 / 77
p0 2.241 ± 0.4042
pull
Entries 78
Mean 82.56
Std Dev 40.36
pull1D
Entries 78
Mean 1.026
Std Dev 2.302

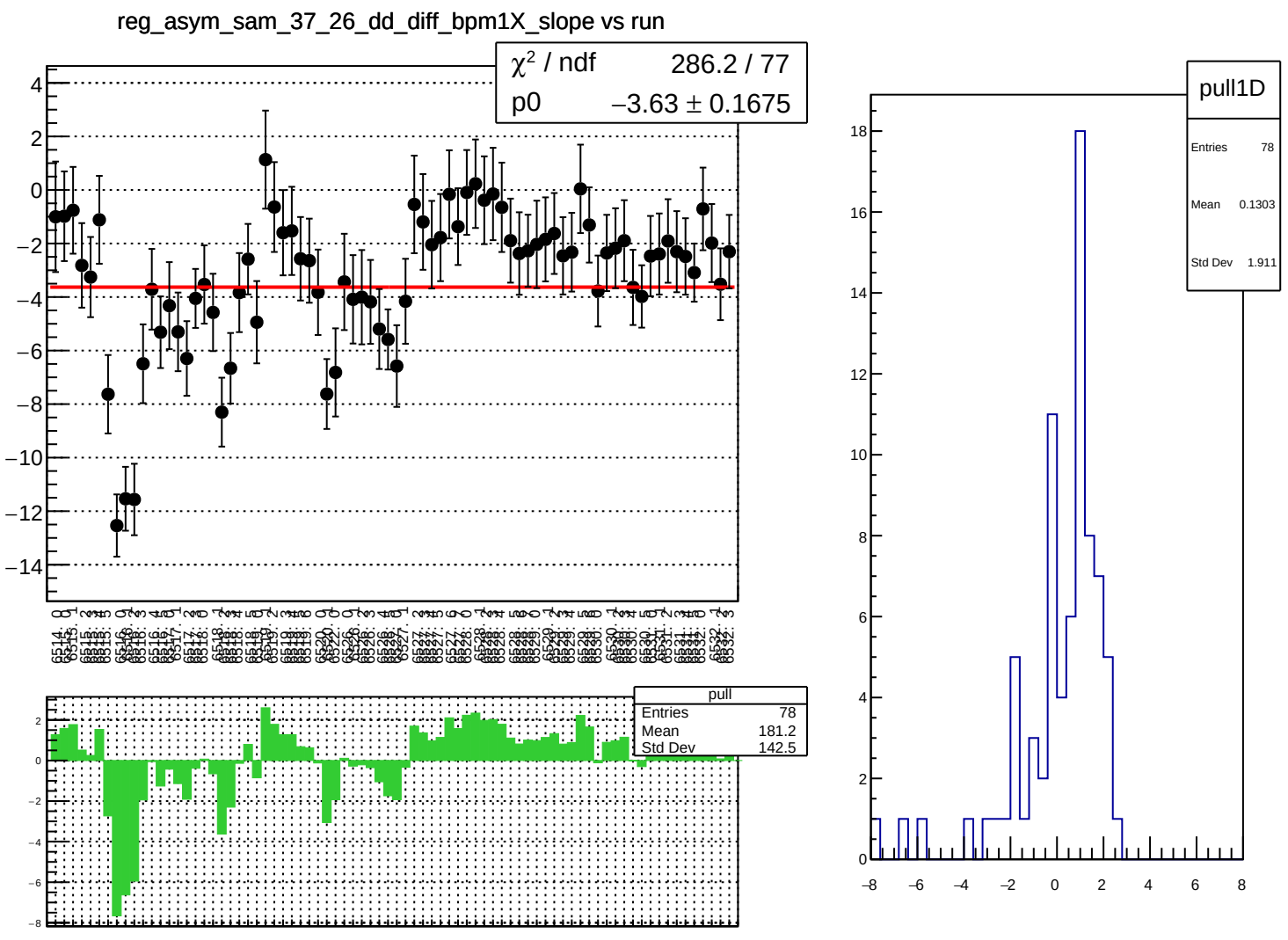

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 24.11 / 77
p0 30.77 ± 0.4458
pull
Entries 78
Mean 208.3
Std Dev 172.2

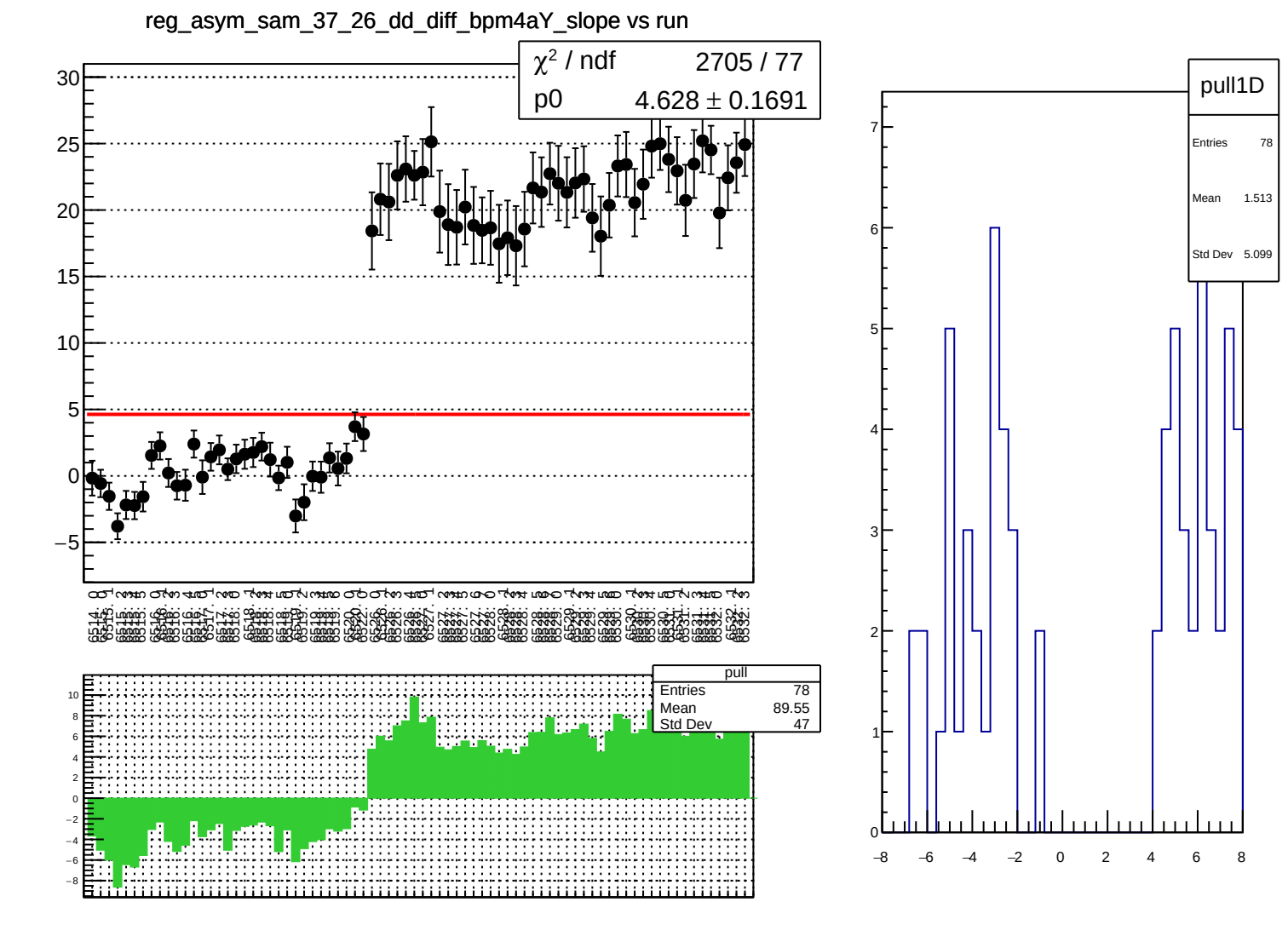

pull1D
Entries 78
Mean 0.01898
Std Dev 0.5557

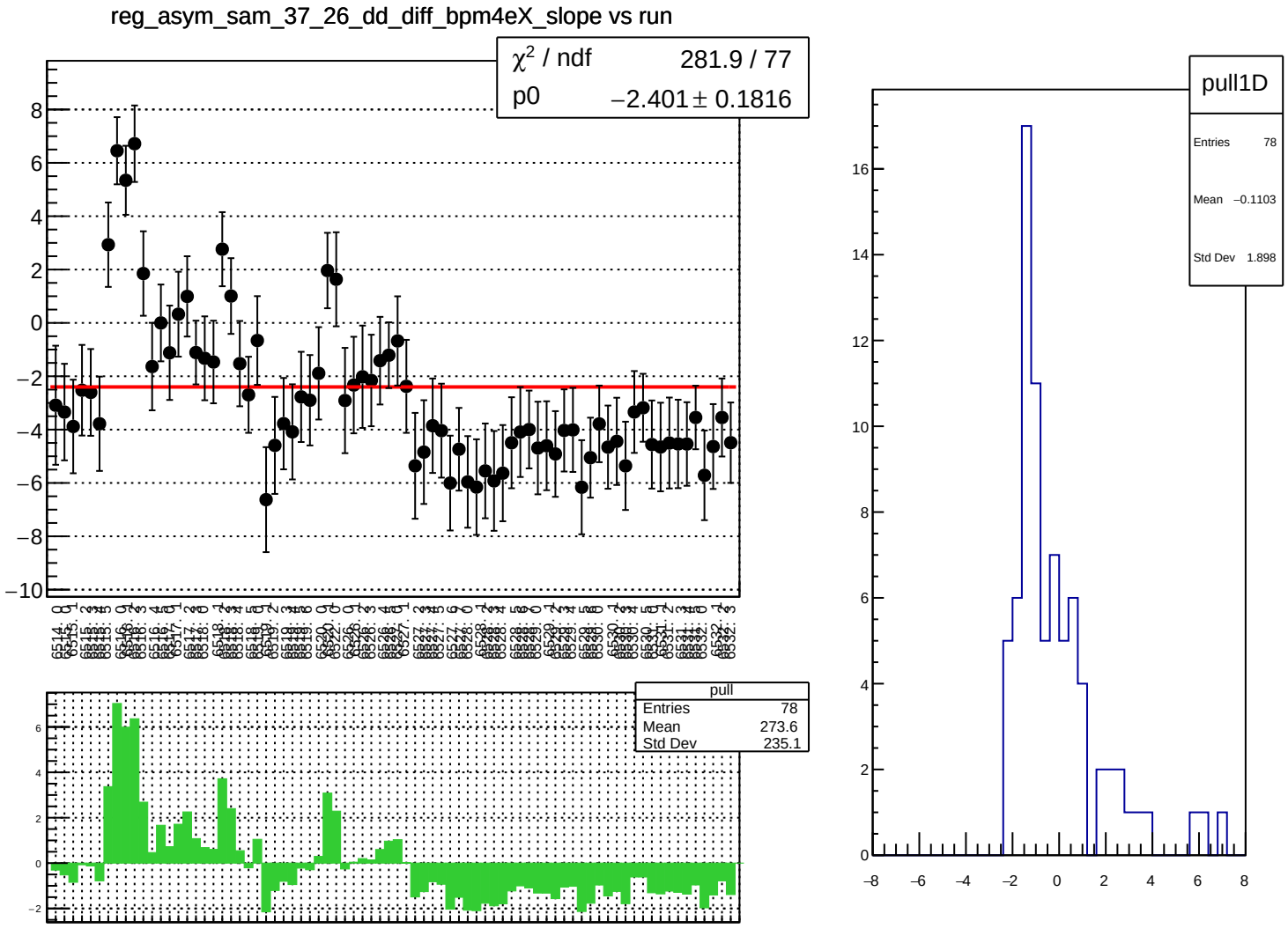

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 294.1 / 77
p0 43.4 ± 0.4646
pull
Entries 78
Mean 96.05
Std Dev 55.58
pull1D
Entries 78
Mean −0.6067
Std Dev 1.845

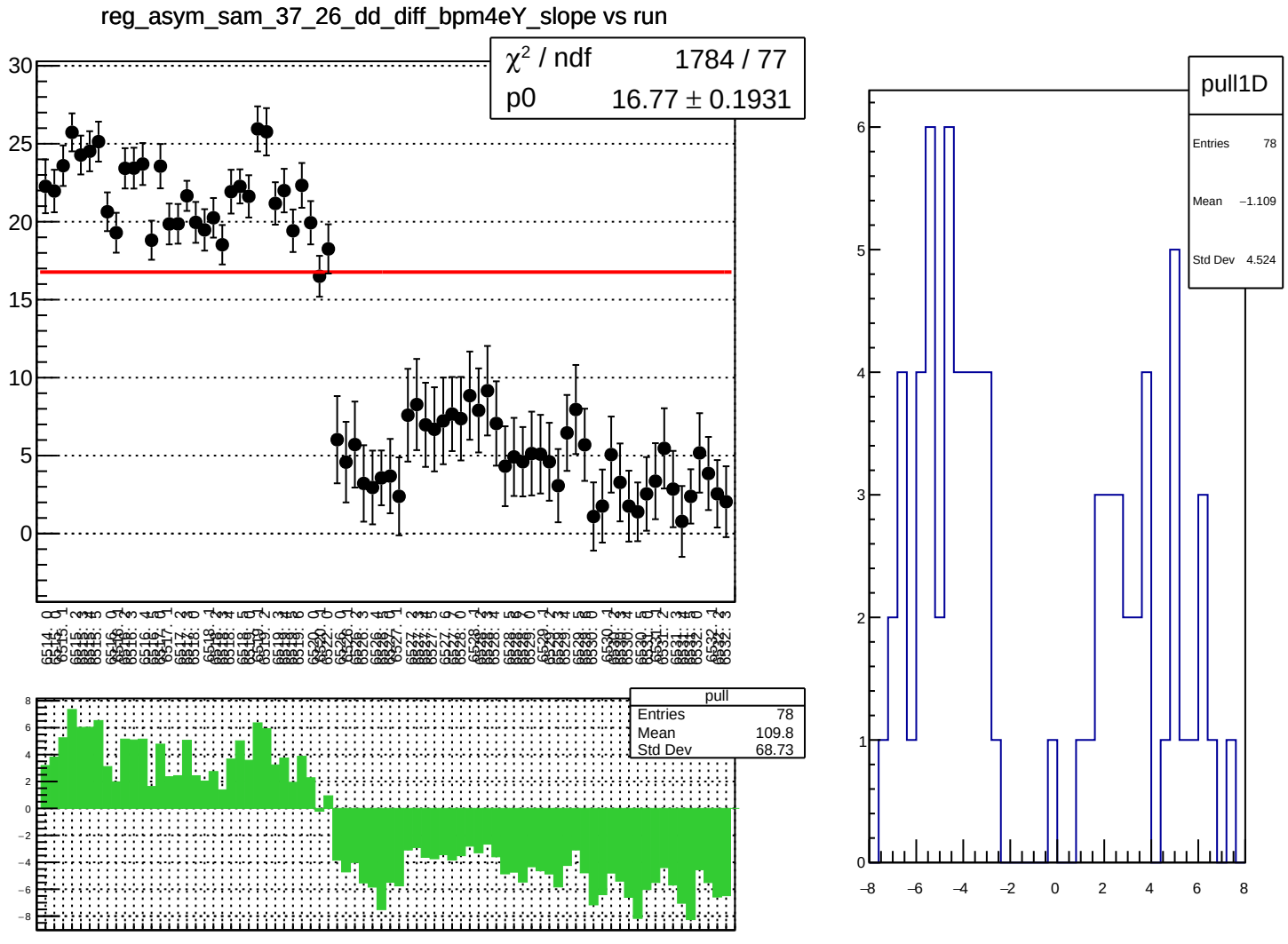

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 10.62 / 77
p0 −0.2937 ± 0.01765
pull
Entries 78
Mean 1071
Std Dev 995.5

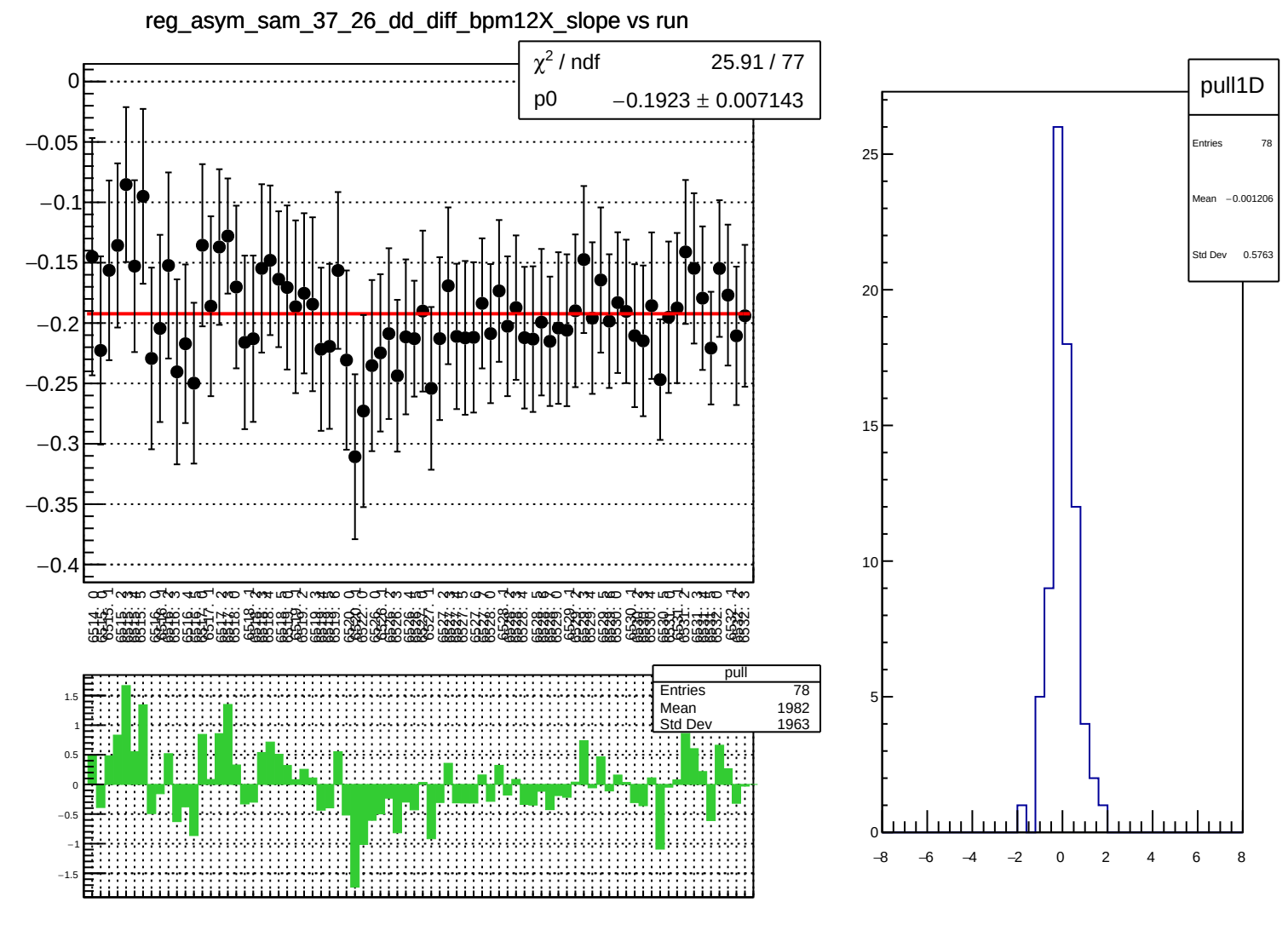

pull1D
Entries 78
Mean 0.001042
Std Dev 0.3689

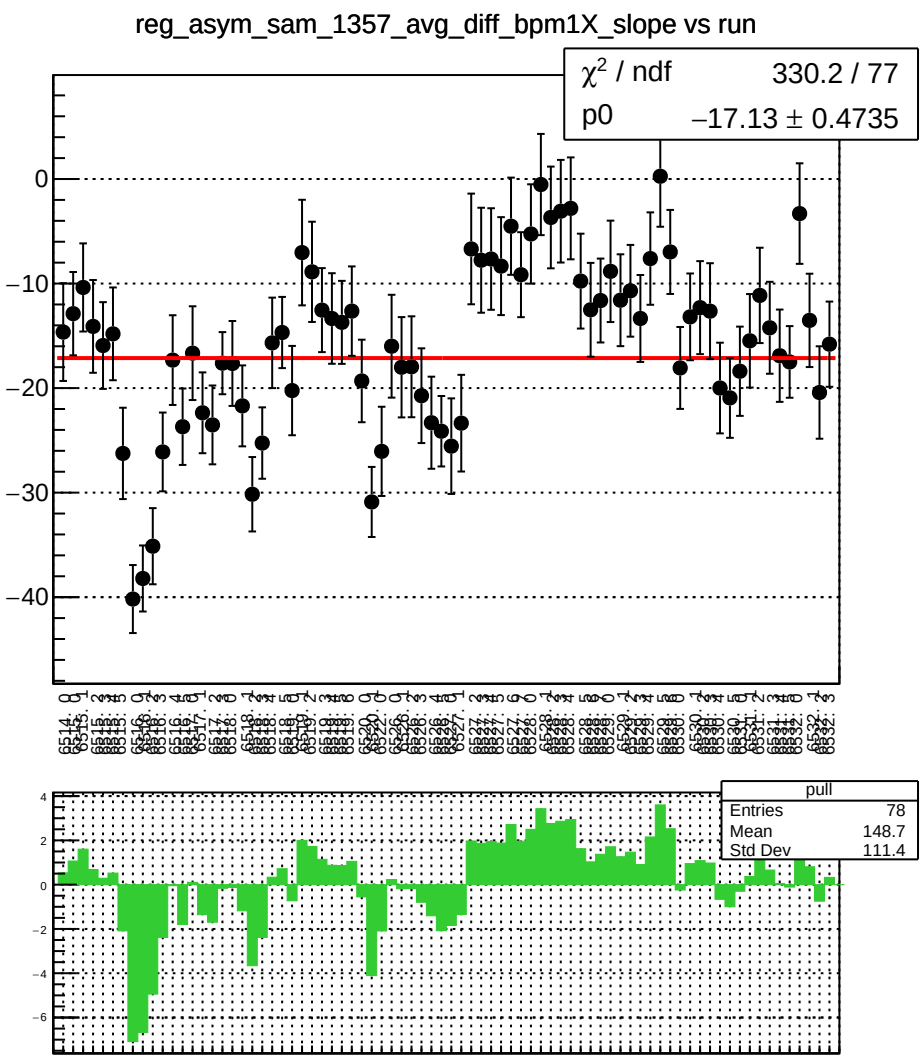

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 286.2 / 77
p0 −3.63 ± 0.1675
pull
Entries 78
Mean 181.2
Std Dev 142.5
pull1D
Entries 78
Mean 0.1303
Std Dev 1.911

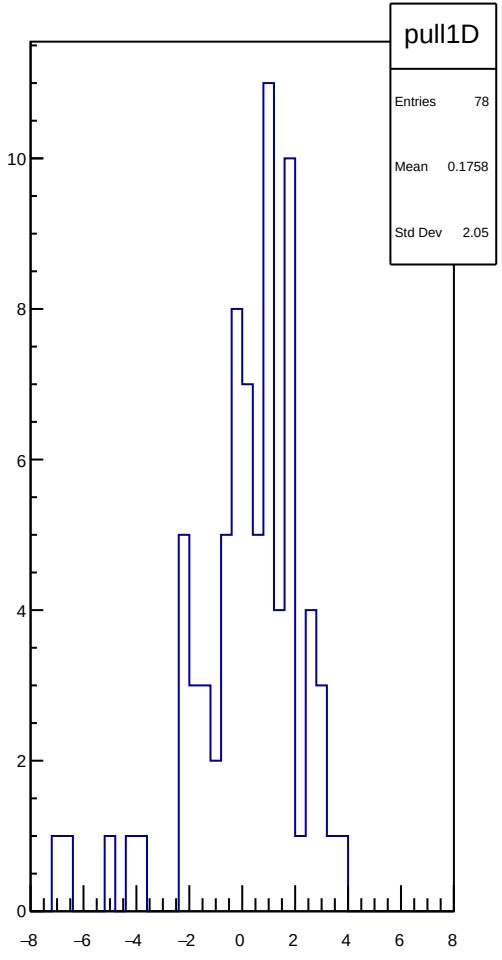

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 2705 / 77
p0 4.628 ± 0.1691
pull
Entries 78
Mean 89.55
Std Dev 47
pull1D
Entries 78
Mean 1.513
Std Dev 5.099

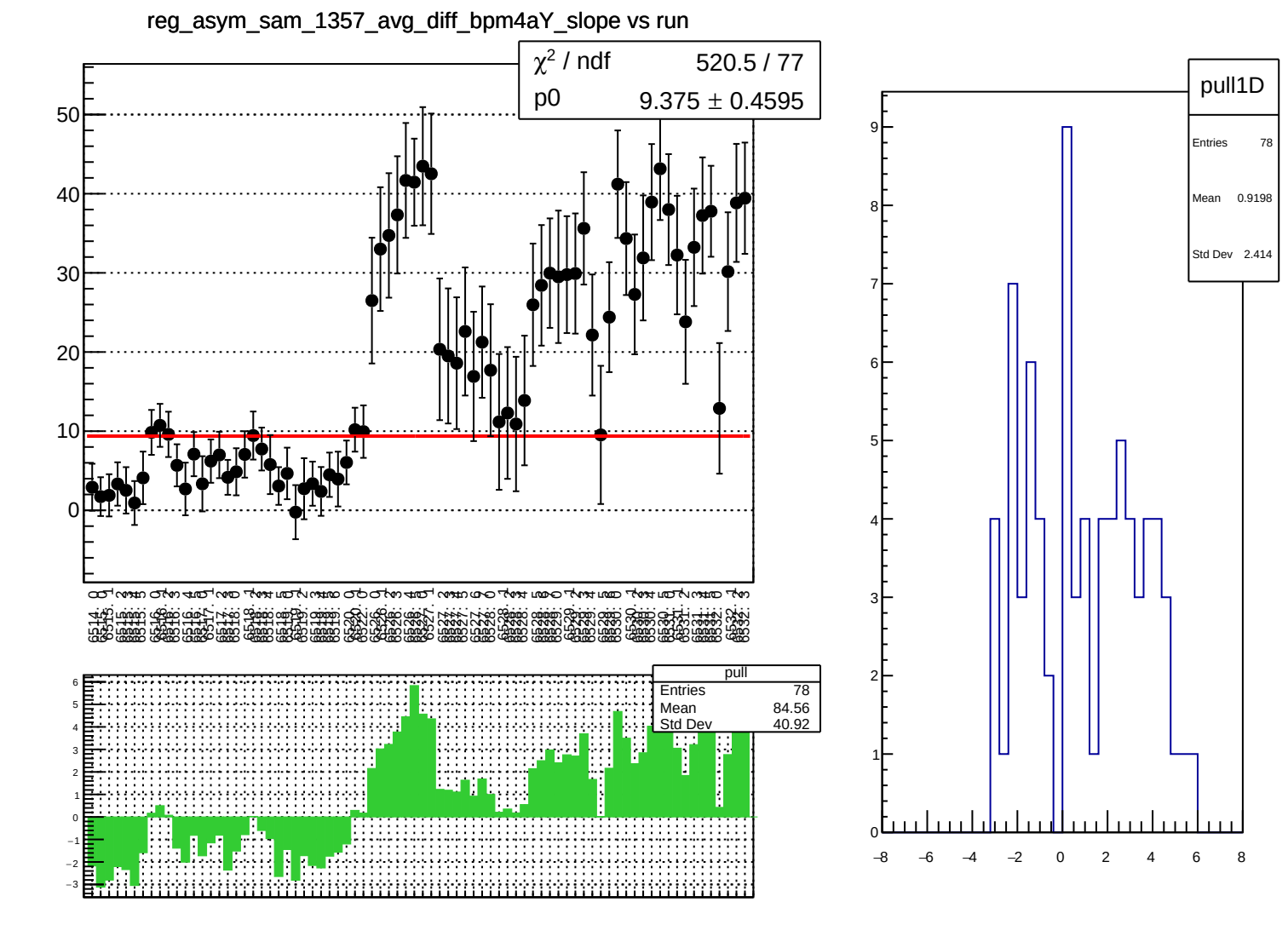

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 281.9 / 77
p0 −2.401 ± 0.1816
pull
Entries 78
Mean 273.6
Std Dev 235.1
pull1D
Entries 78
Mean −0.1103
Std Dev 1.898

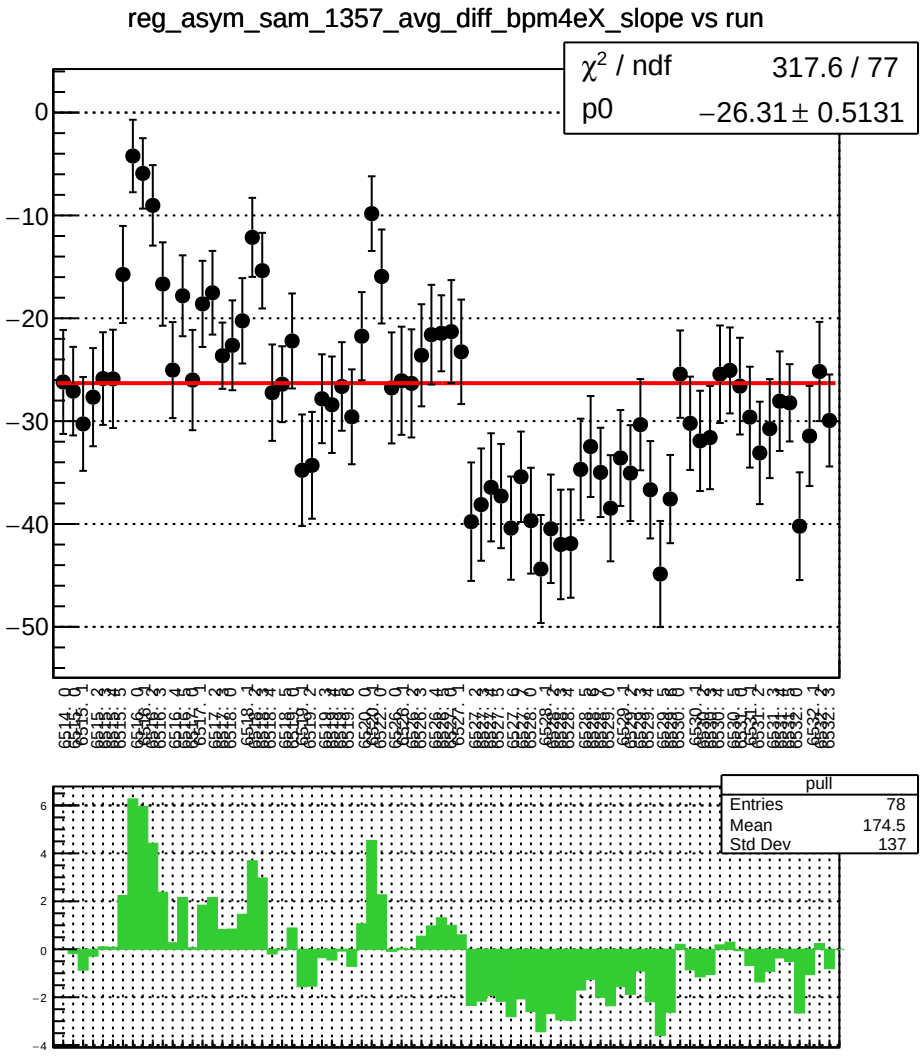

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 1784 / 77
p0 16.77 ± 0.1931
pull
Entries 78
Mean 109.8
Std Dev 68.73
pull1D
Entries 78
Mean −1.109
Std Dev 4.524

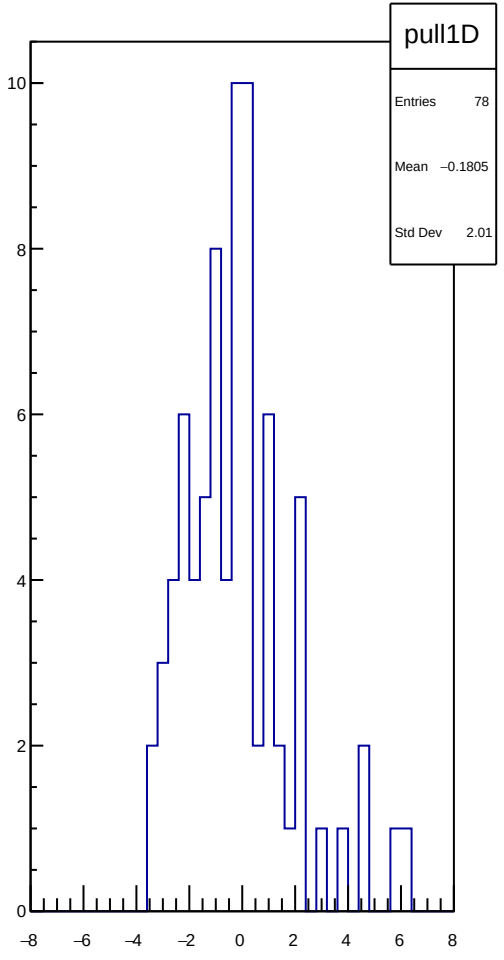

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 25.91 / 77
p0 −0.1923 ± 0.007143
pull
Entries 78
Mean 1982
Std Dev 1963
pull1D
Entries 78
Mean −0.001206
Std Dev 0.5763

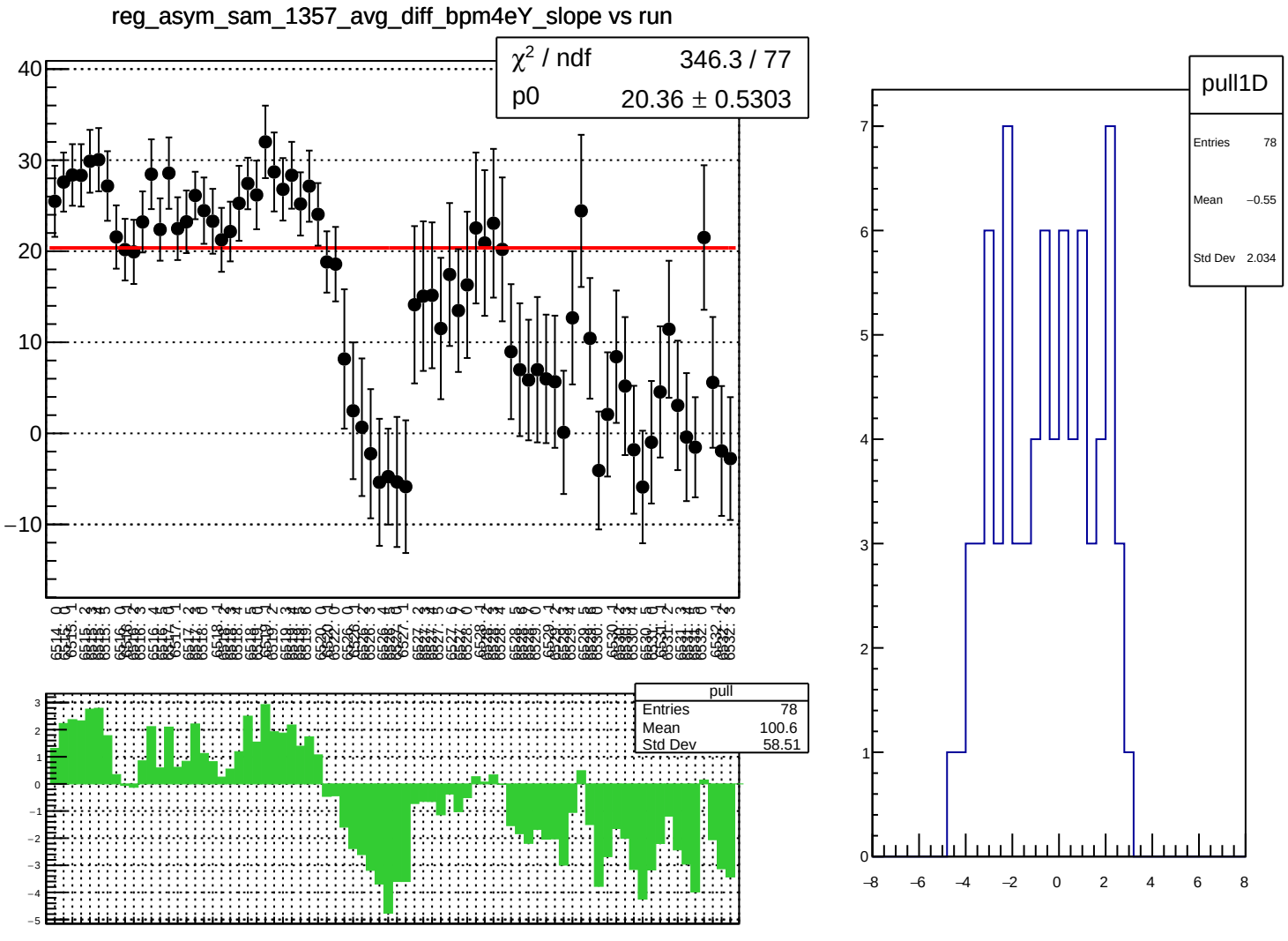

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 330.2 / 77
p0 −17.13 ± 0.4735
pull
Entries 78
Mean 148.7
Std Dev 111.4

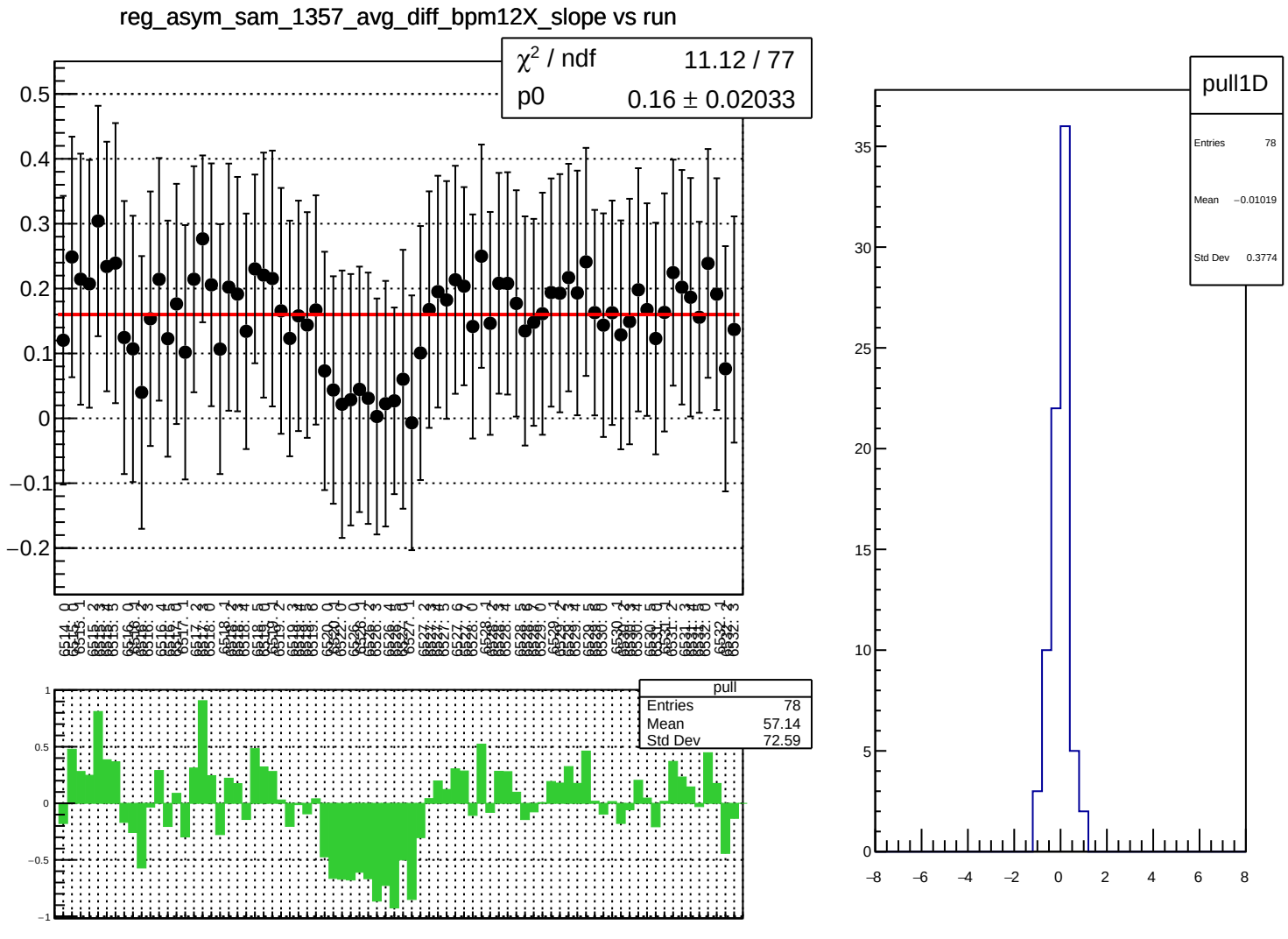

pull1D
Entries 78
Mean 0.1758
Std Dev 2.05

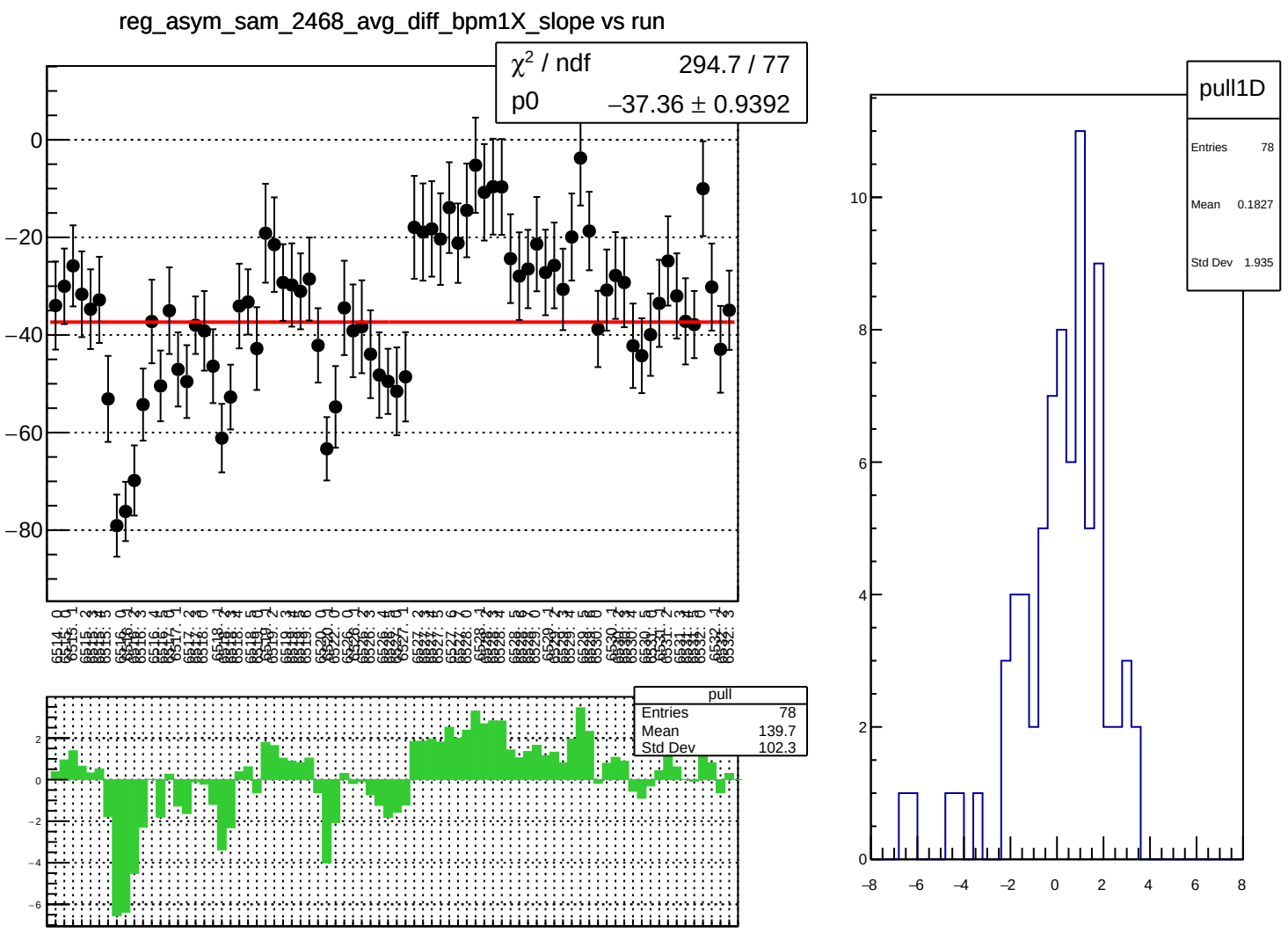

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 520.5 / 77
p0 9.375 ± 0.4595
pull
Entries 78
Mean 84.56
Std Dev 40.92
pull1D
Entries 78
Mean 0.9198
Std Dev 2.414

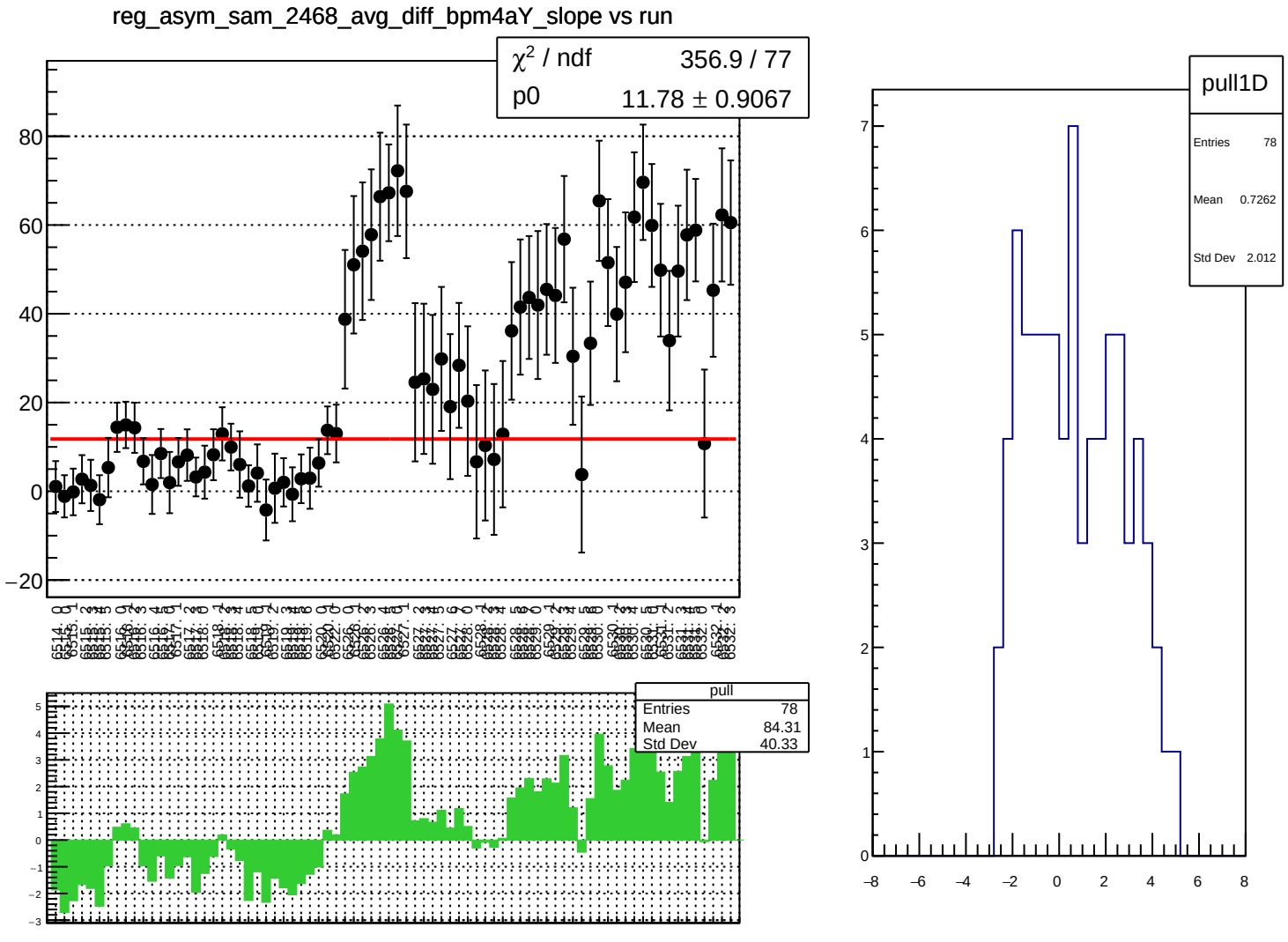

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 317.6 / 77
p0 −26.31 ± 0.5131
pull
Entries 78
Mean 174.5
Std Dev 137

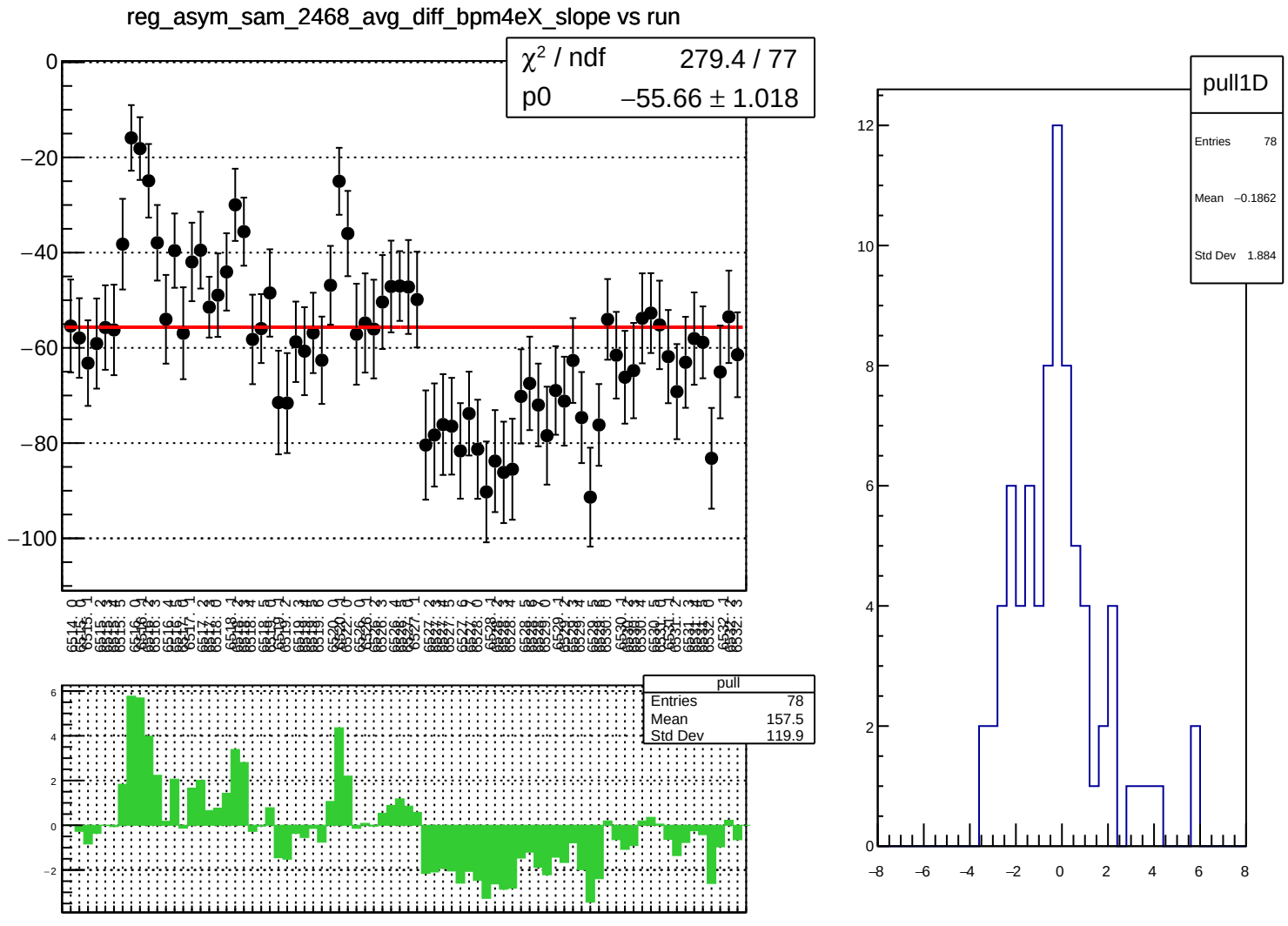

pull1D
Entries 78
Mean −0.1805
Std Dev 2.01

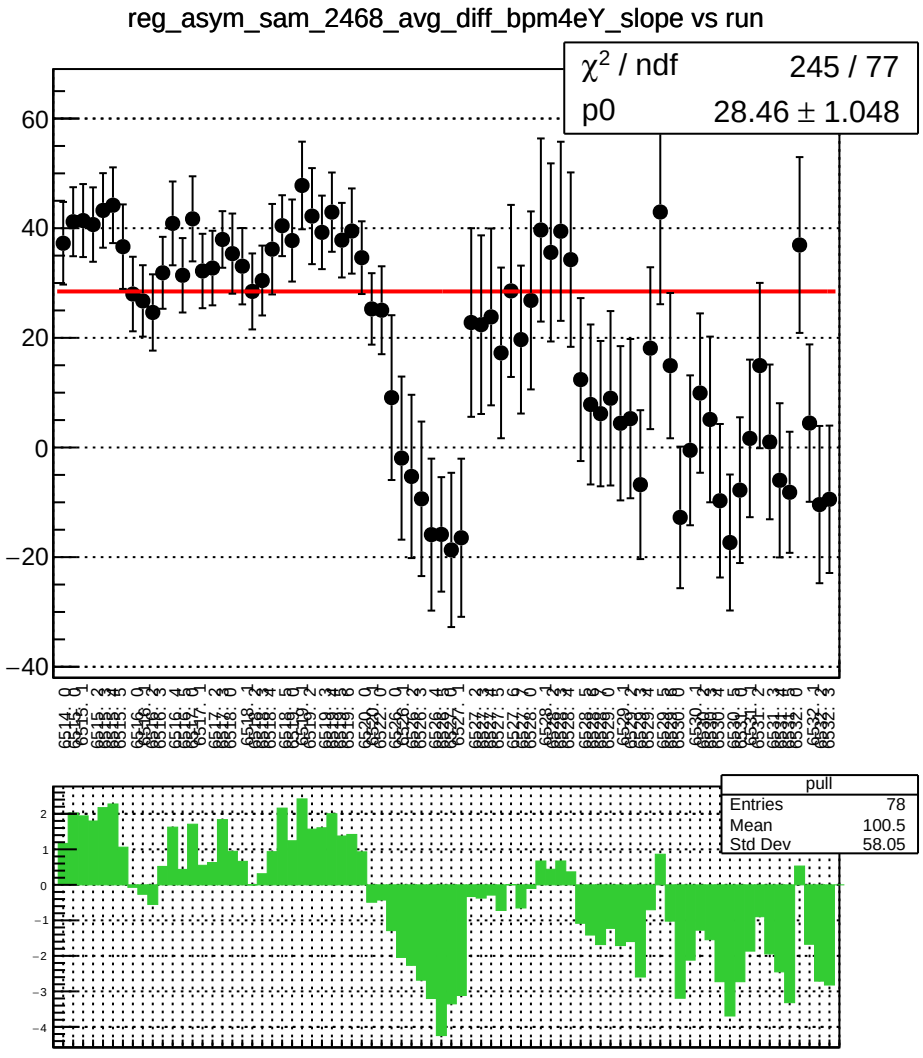

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 346.3 / 77
p0 20.36 ± 0.5303
pull
Entries 78
Mean 100.6
Std Dev 58.51
pull1D
Entries 78
Mean −0.55
Std Dev 2.034

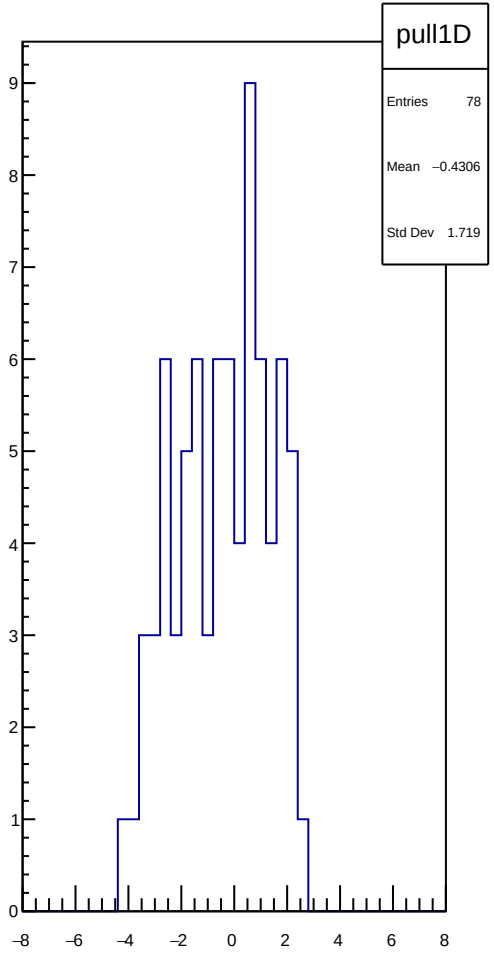

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 11.12 / 77
p0 0.16 ± 0.02033
pull
Entries 78
Mean 57.14
Std Dev 72.59
pull1D
Entries 78
Mean −0.01019
Std Dev 0.3774

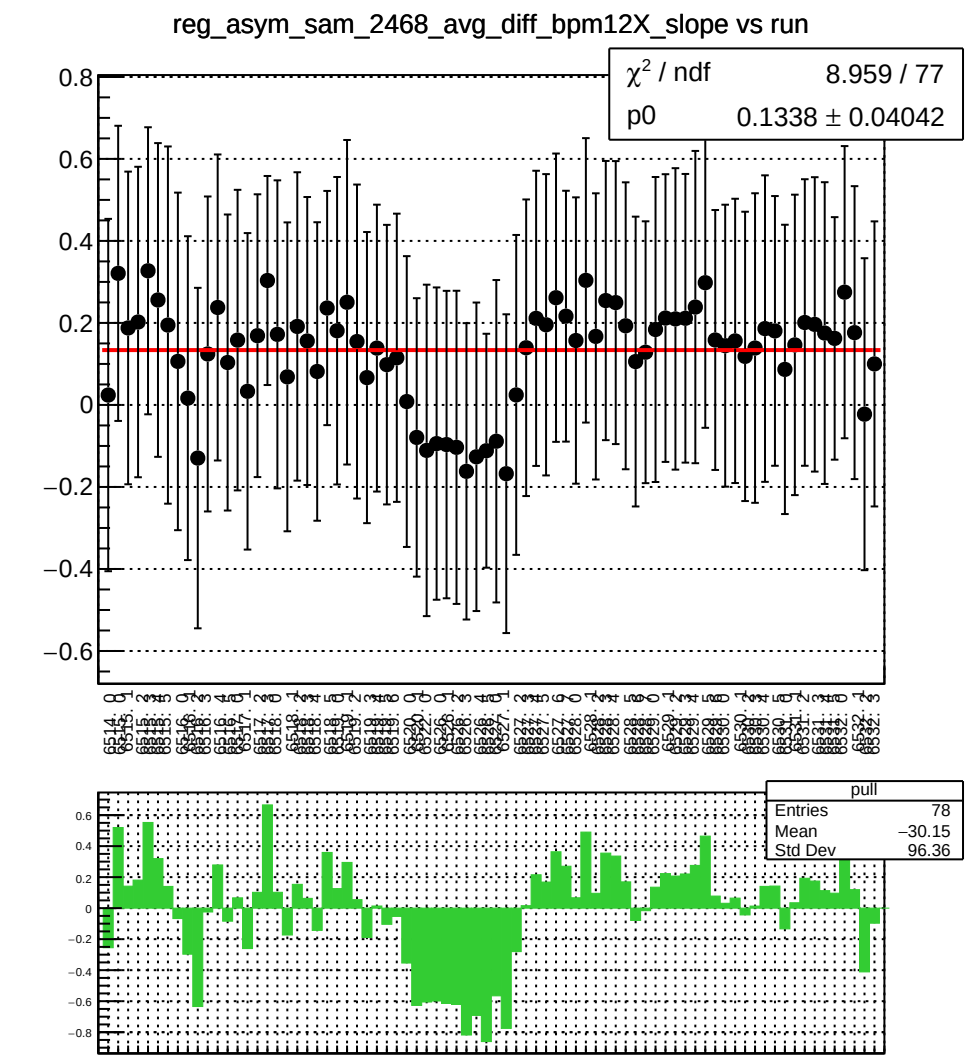

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 294.7 / 77
p0 −37.36 ± 0.9392
pull
Entries 78
Mean 139.7
Std Dev 102.3
pull1D
Entries 78
Mean 0.1827
Std Dev 1.935

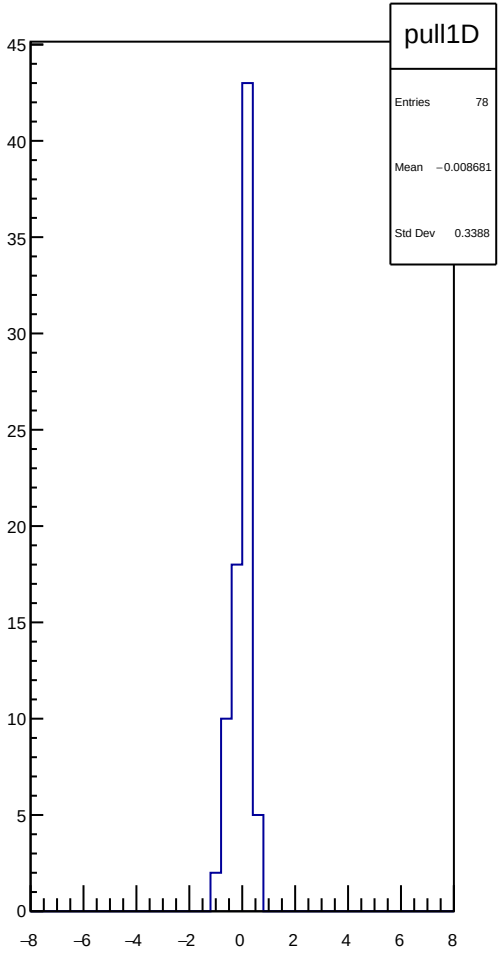

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 356.9 / 77
p0 11.78 ± 0.9067
pull
Entries 78
Mean 84.31
Std Dev 40.33
pull1D
Entries 78
Mean 0.7262
Std Dev 2.012

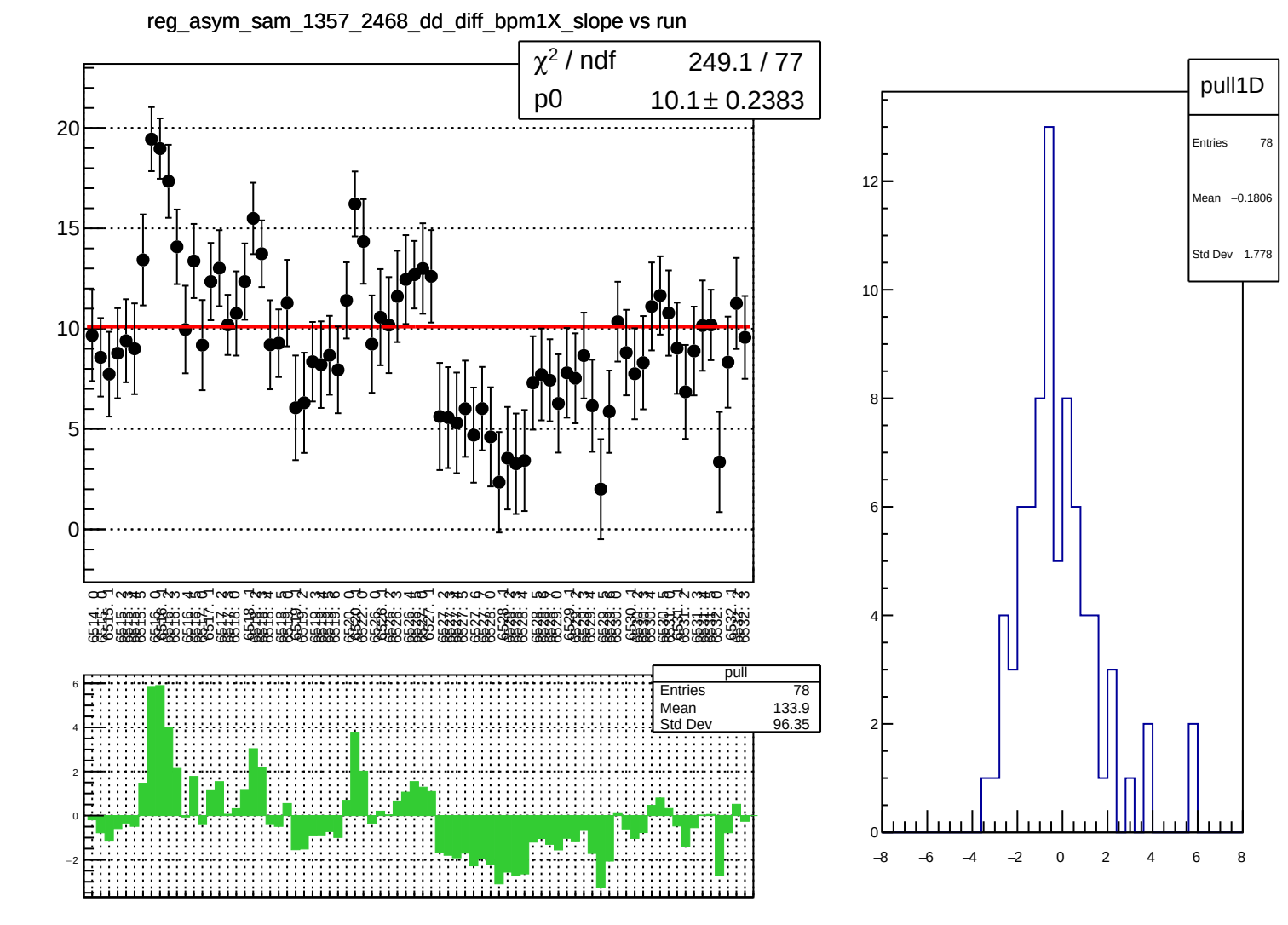

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 279.4 / 77
p0 −55.66 ± 1.018
pull
Entries 78
Mean 157.5
Std Dev 119.9
pull1D
Entries 78
Mean −0.1862
Std Dev 1.884

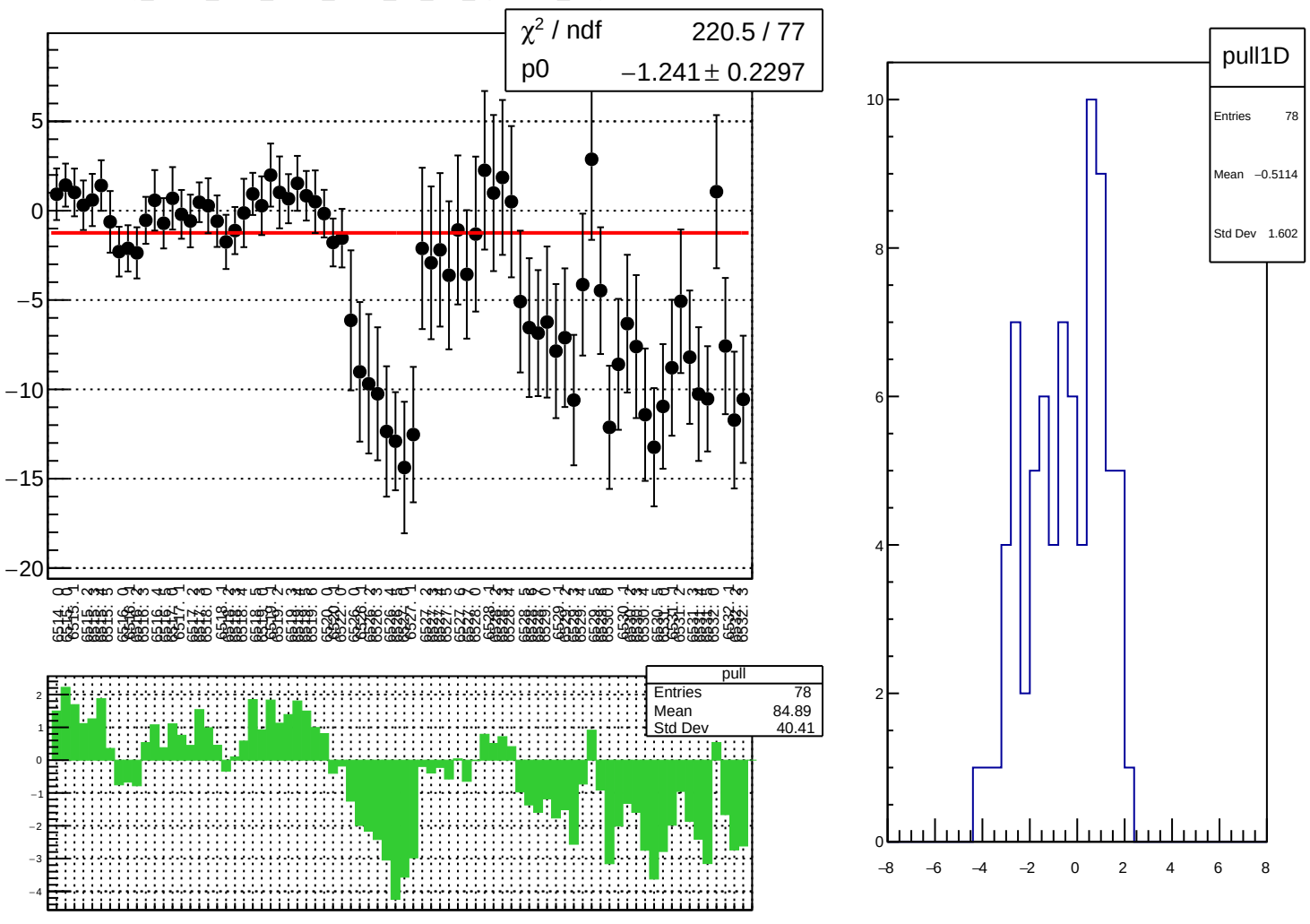

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 245 / 77
p0 28.46 ± 1.048
pull
Entries 78
Mean 100.5
Std Dev 58.05

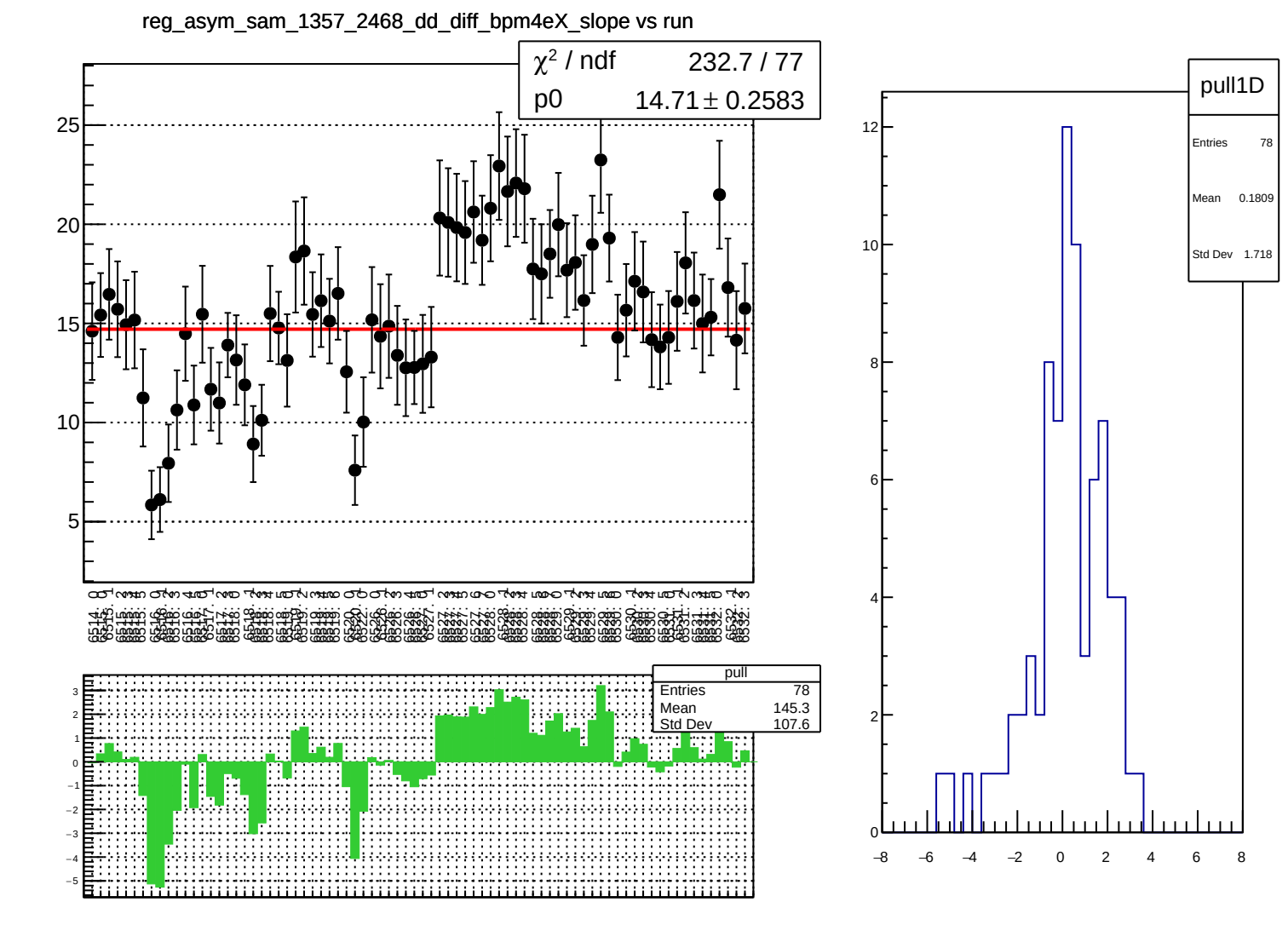

pull1D
Entries 78
Mean −0.4306
Std Dev 1.719

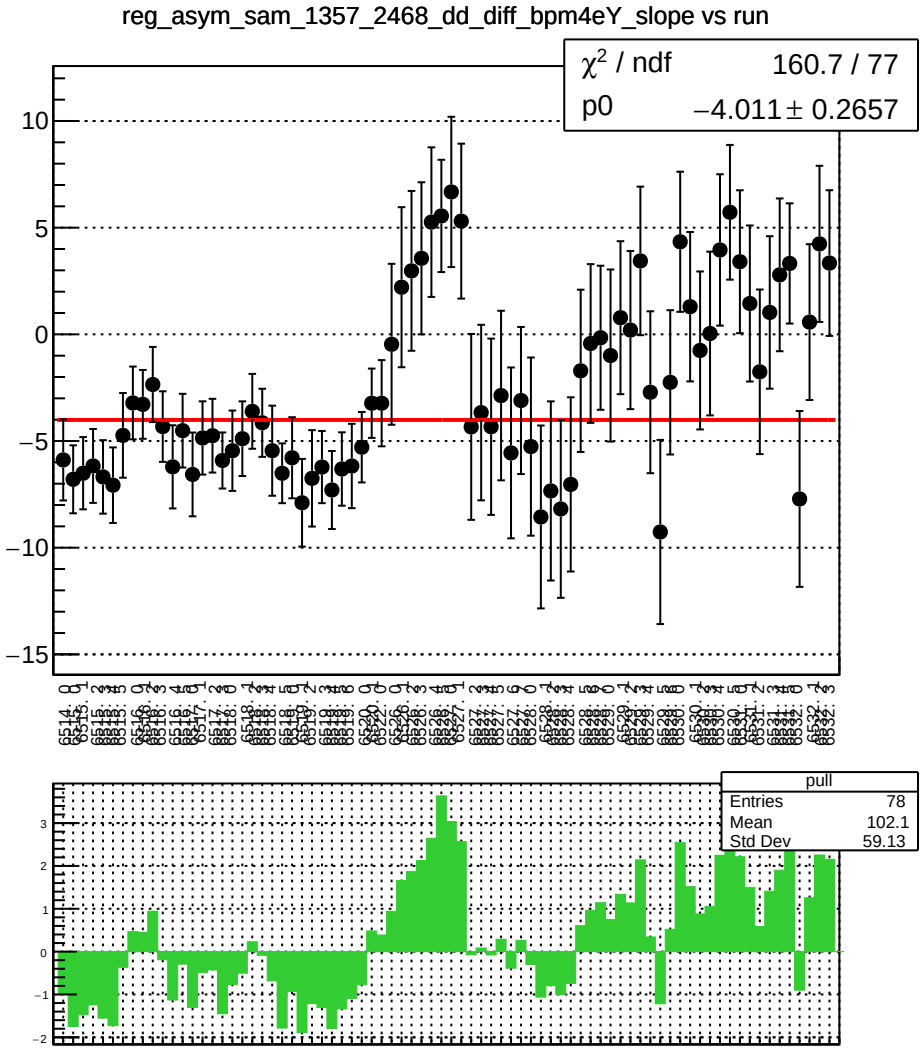

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 8.959 / 77
p0 0.1338 ± 0.04042
pull
Entries 78
Mean −30.15
Std Dev 96.36

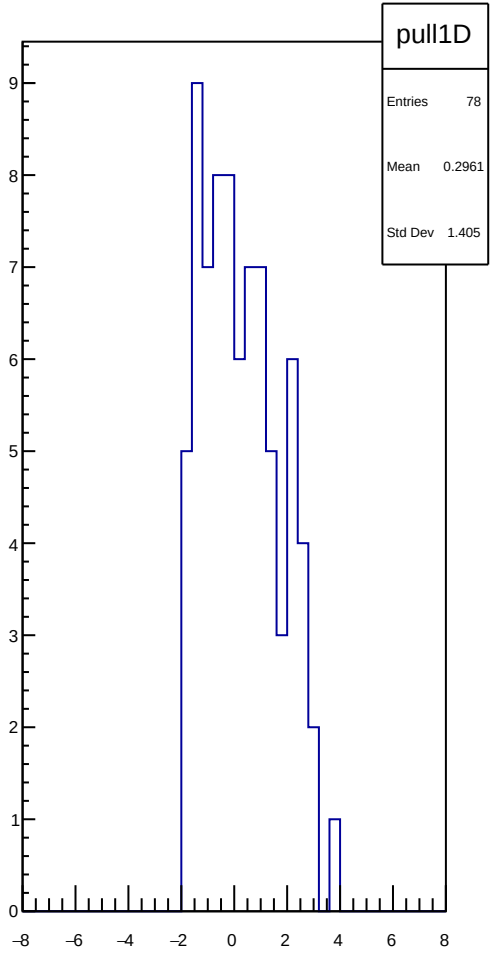

pull1D
Entries 78
Mean −0.008681
Std Dev 0.3388

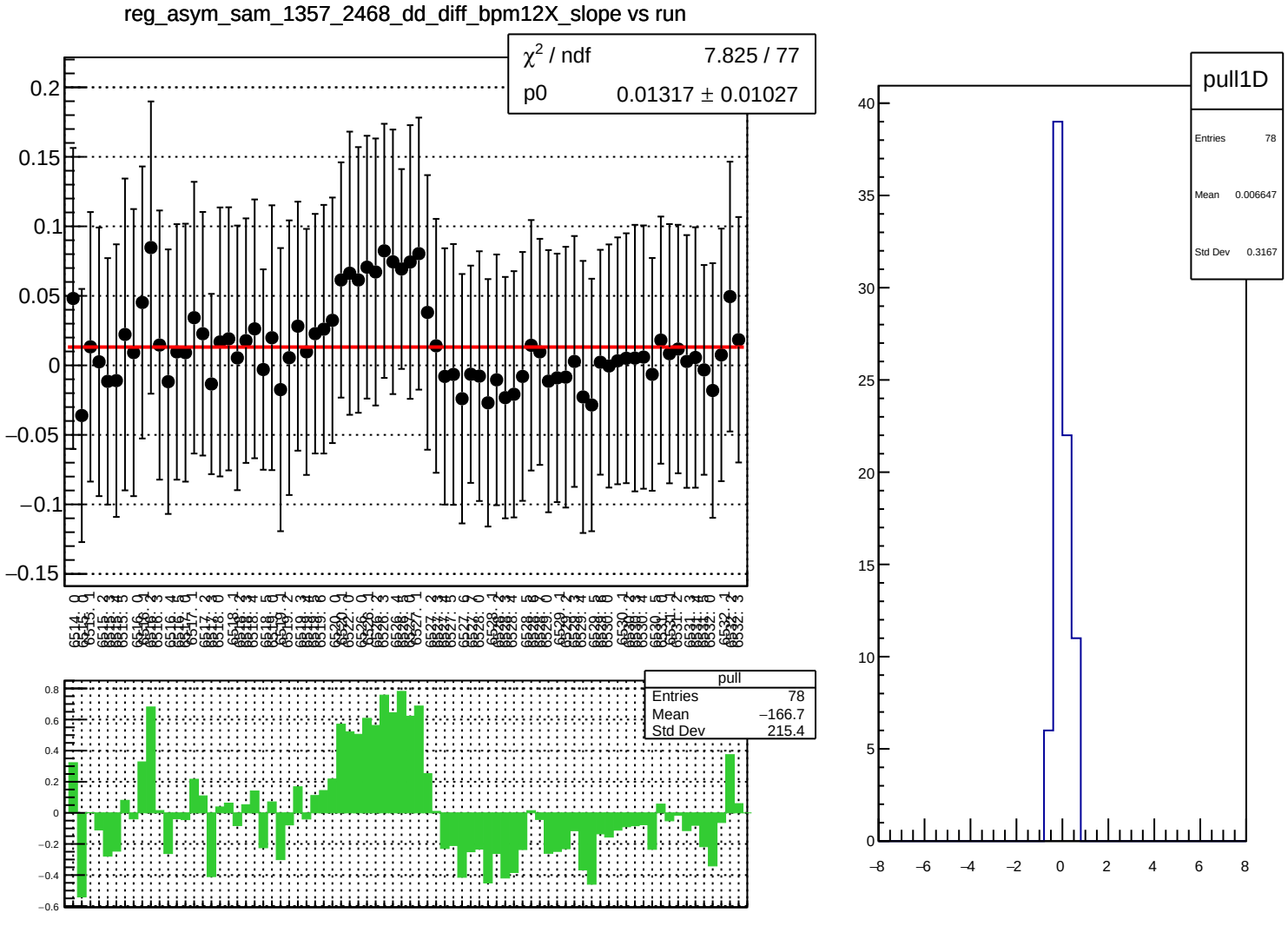

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 249.1 / 77
p0 10.1 ± 0.2383
pull
Entries 78
Mean 133.9
Std Dev 96.35
pull1D
Entries 78
Mean −0.1806
Std Dev 1.778

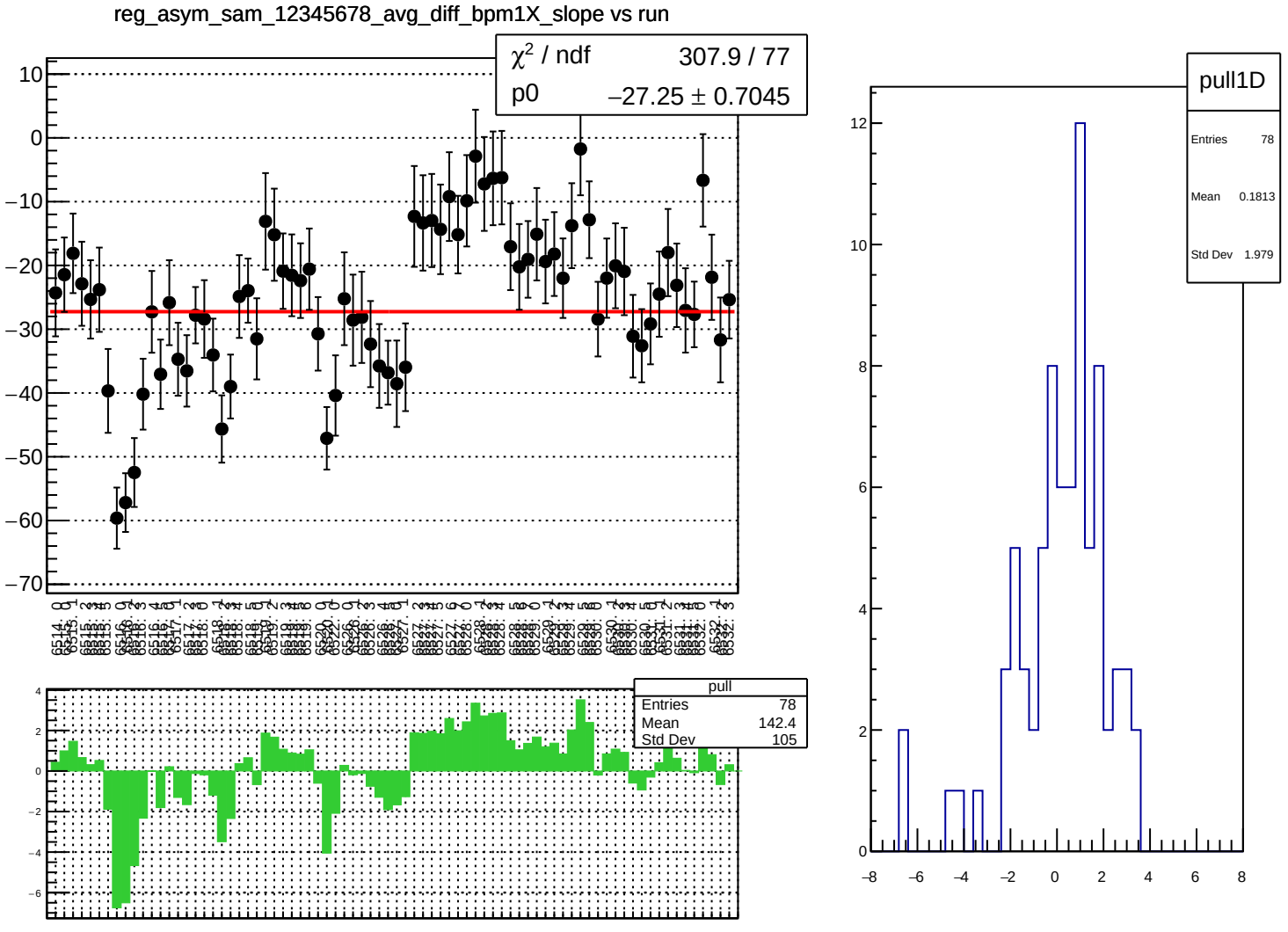

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 220.5 / 77
p0 −1.241 ± 0.2297
pull
Entries 78
Mean 84.89
Std Dev 40.41
pull1D
Entries 78
Mean −0.5114
Std Dev 1.602

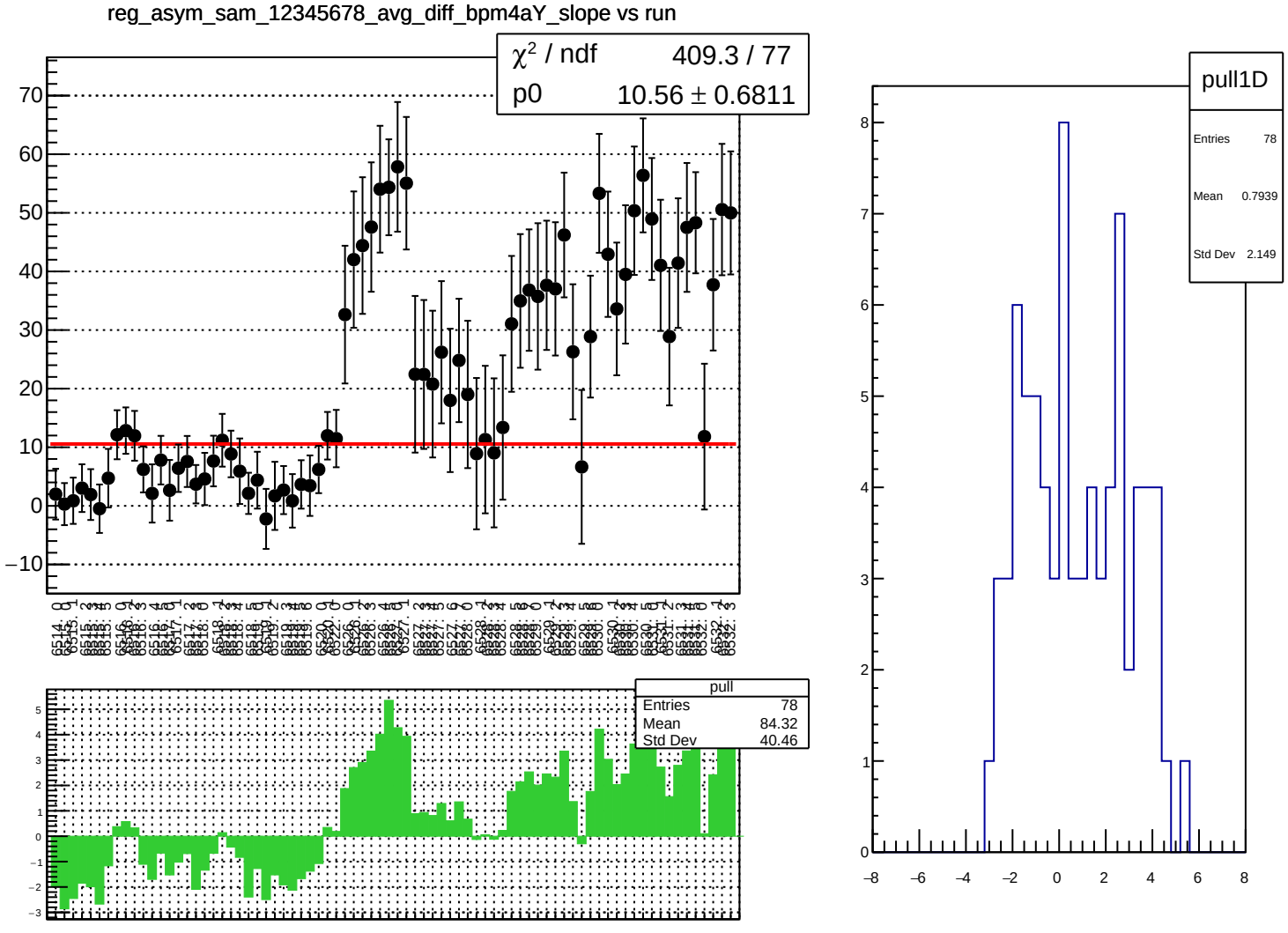

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 232.7 / 77
p0 14.71 ± 0.2583
pull
Entries 78
Mean 145.3
Std Dev 107.6
pull1D
Entries 78
Mean 0.1809
Std Dev 1.718

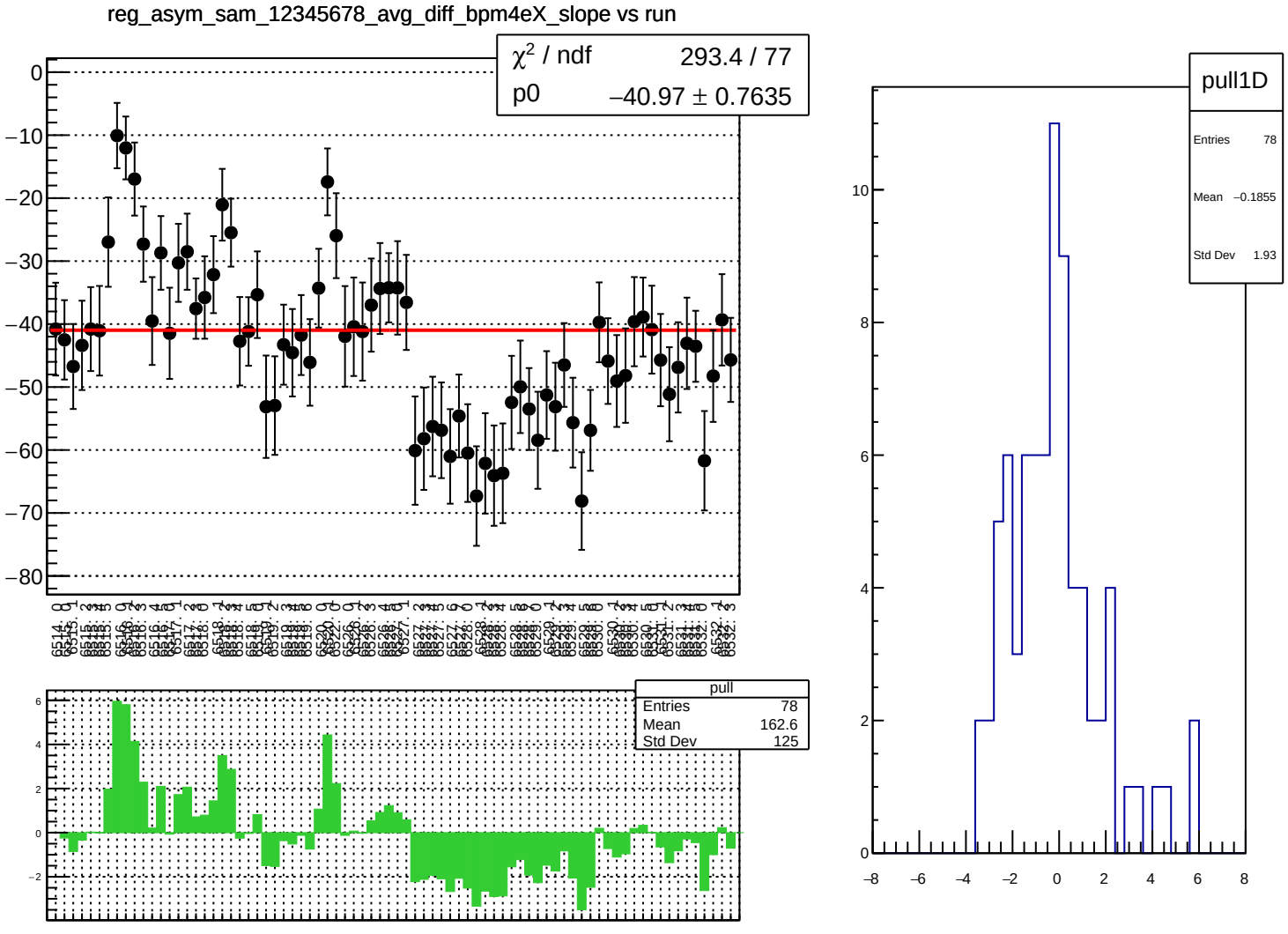

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 160.7 / 77
p0 −4.011 ± 0.2657
pull
Entries 78
Mean 102.1
Std Dev 59.13

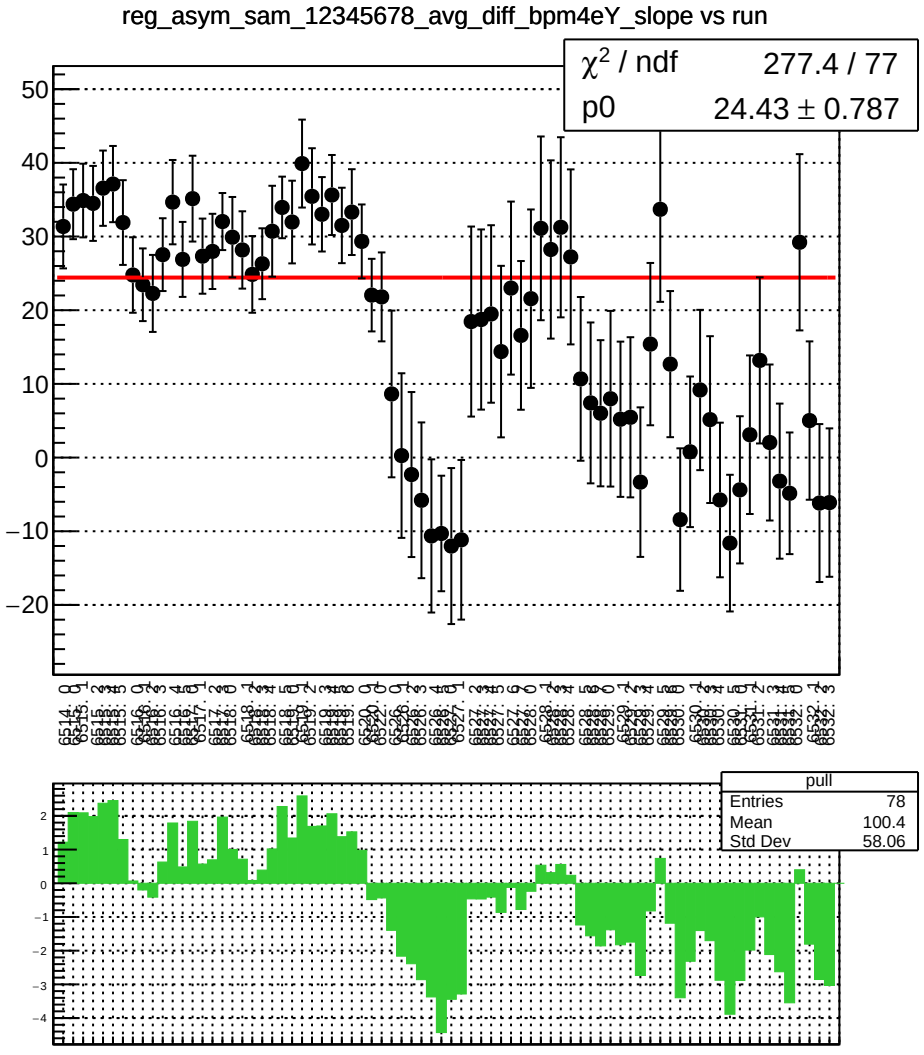

pull1D
Entries 78
Mean 0.2961
Std Dev 1.405

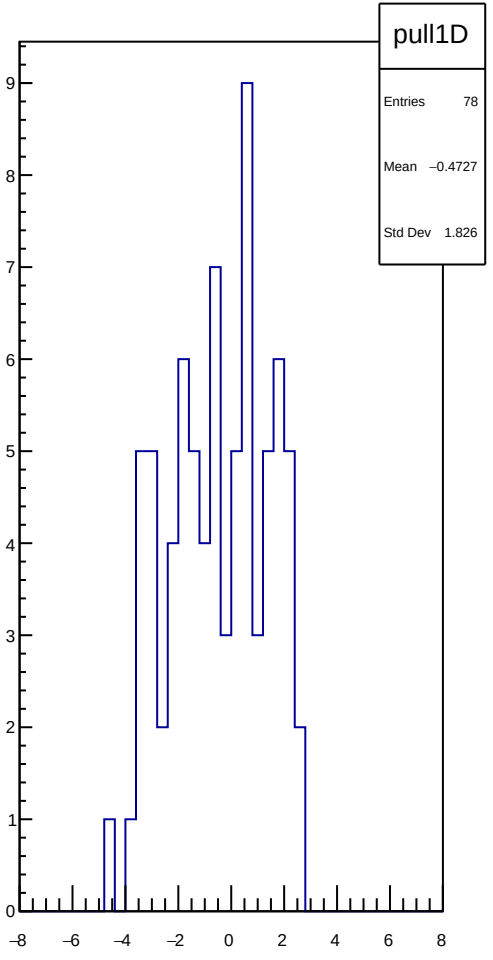

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 7.825 / 77
p0 0.01317 ± 0.01027
pull
Entries 78
Mean −166.7
Std Dev 215.4
pull1D
Entries 78
Mean 0.006647
Std Dev 0.3167

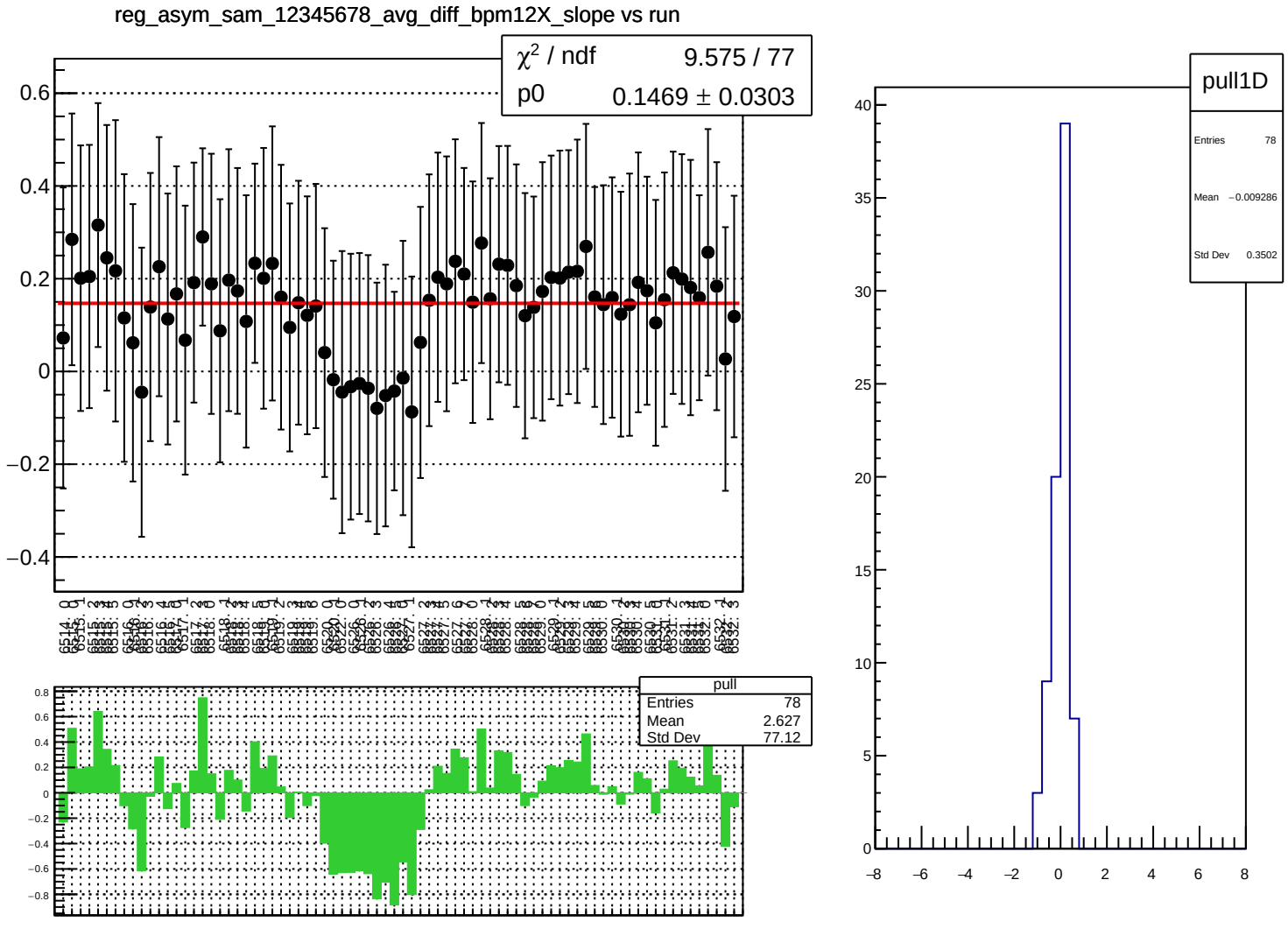

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 307.9 / 77
p0 −27.25 ± 0.7045
pull
Entries 78
Mean 142.4
Std Dev 105
pull1D
Entries 78
Mean 0.1813
Std Dev 1.979

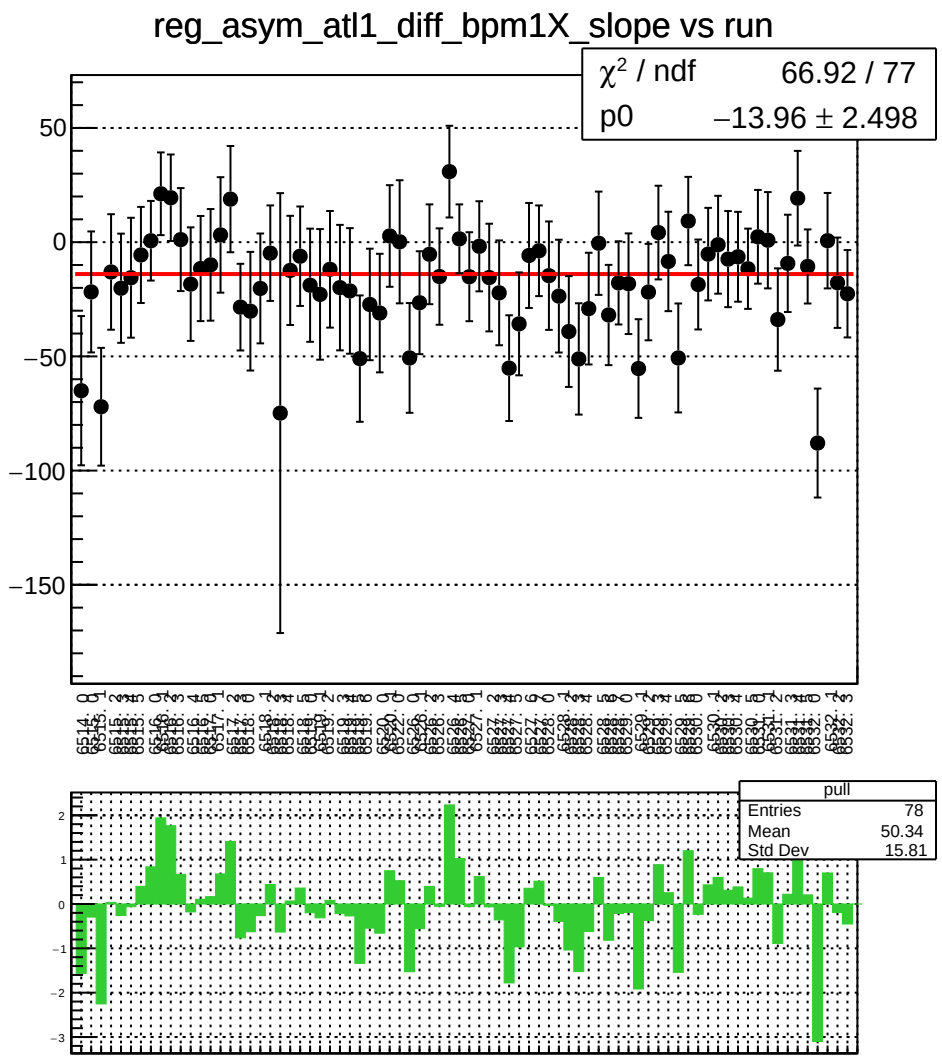

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 409.3 / 77
p0 10.56 ± 0.6811
pull
Entries 78
Mean 84.32
Std Dev 40.46
pull1D
Entries 78
Mean 0.7939
Std Dev 2.149

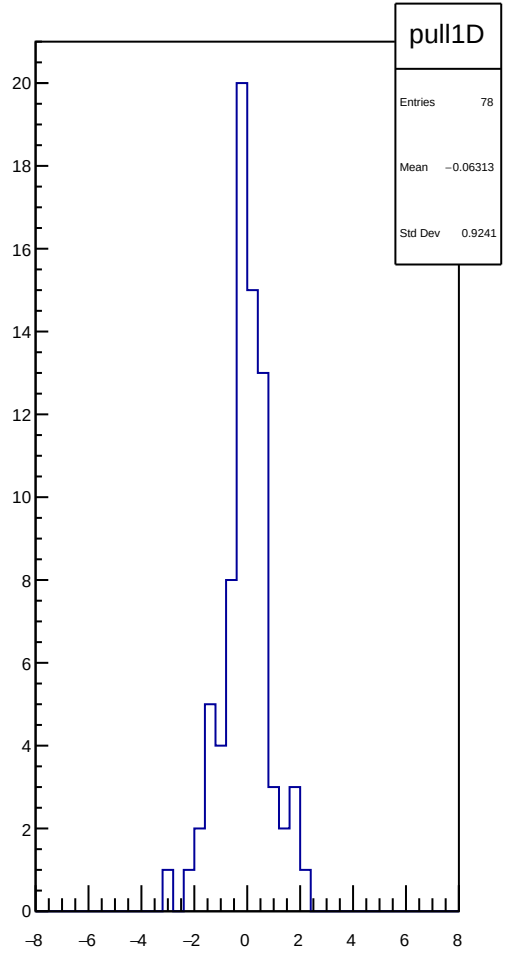

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 293.4 / 77
p0 −40.97 ± 0.7635
pull
Entries 78
Mean 162.6
Std Dev 125
pull1D
Entries 78
Mean −0.1855
Std Dev 1.93

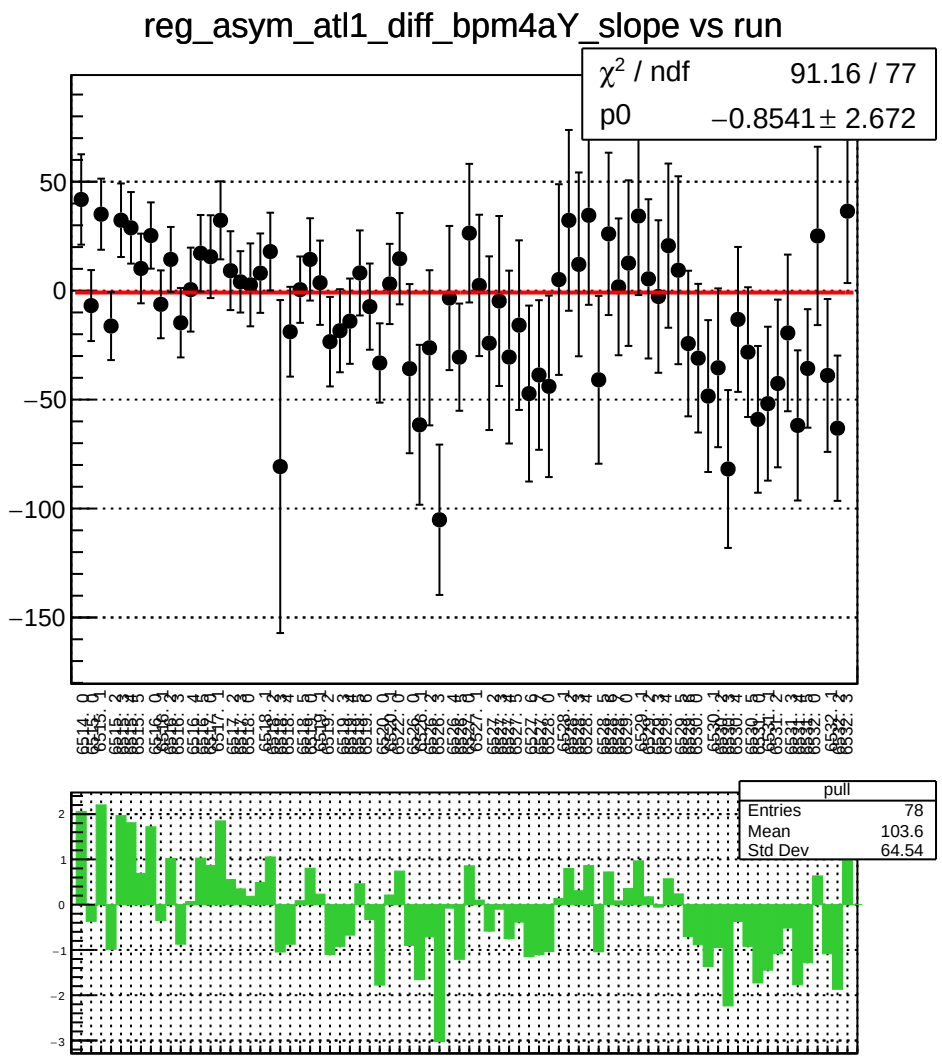

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 277.4 / 77
p0 24.43 ± 0.787
pull
Entries 78
Mean 100.4
Std Dev 58.06

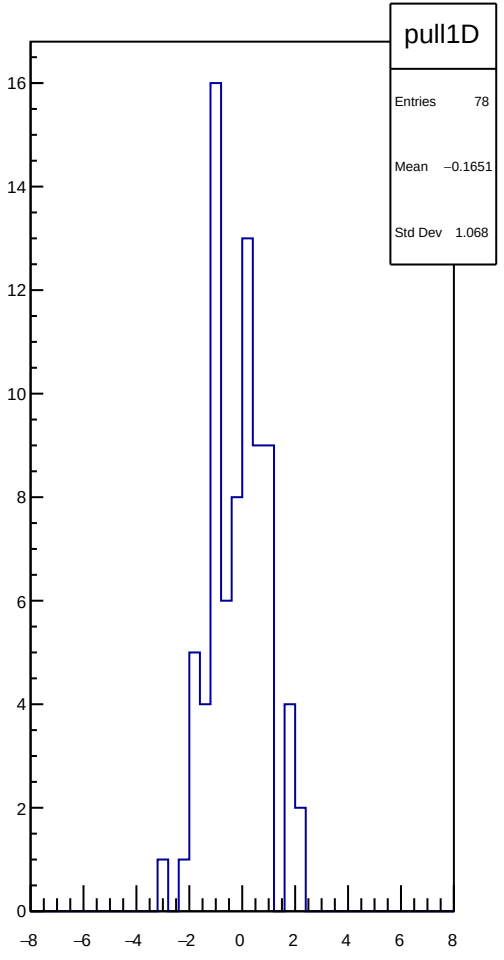

pull1D
Entries 78
Mean −0.4727
Std Dev 1.826

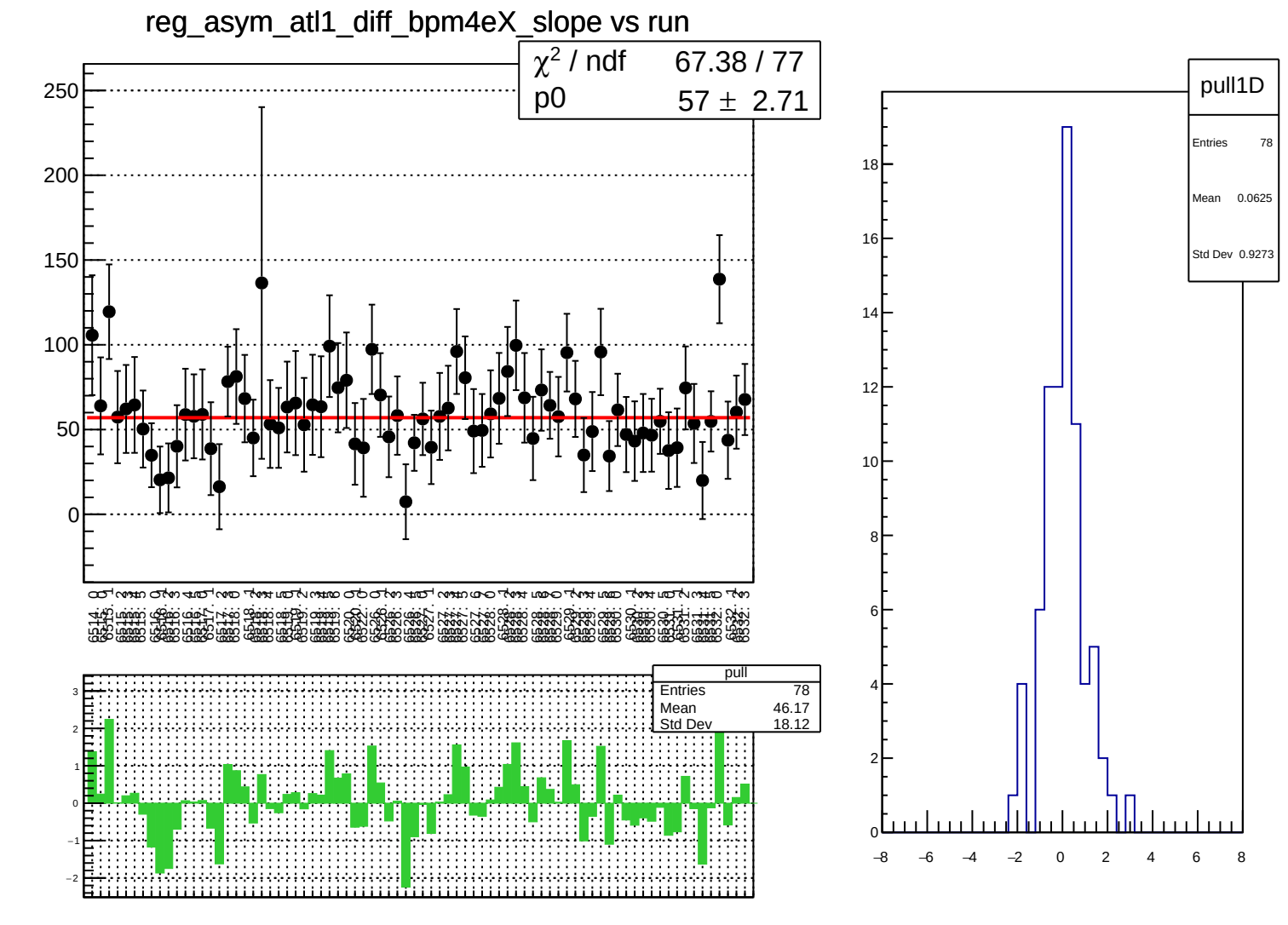

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 9.575 / 77
p0 0.1469 ± 0.0303
pull
Entries 78
Mean 2.627
Std Dev 77.12
pull1D
Entries 78
Mean −0.009286
Std Dev 0.3502

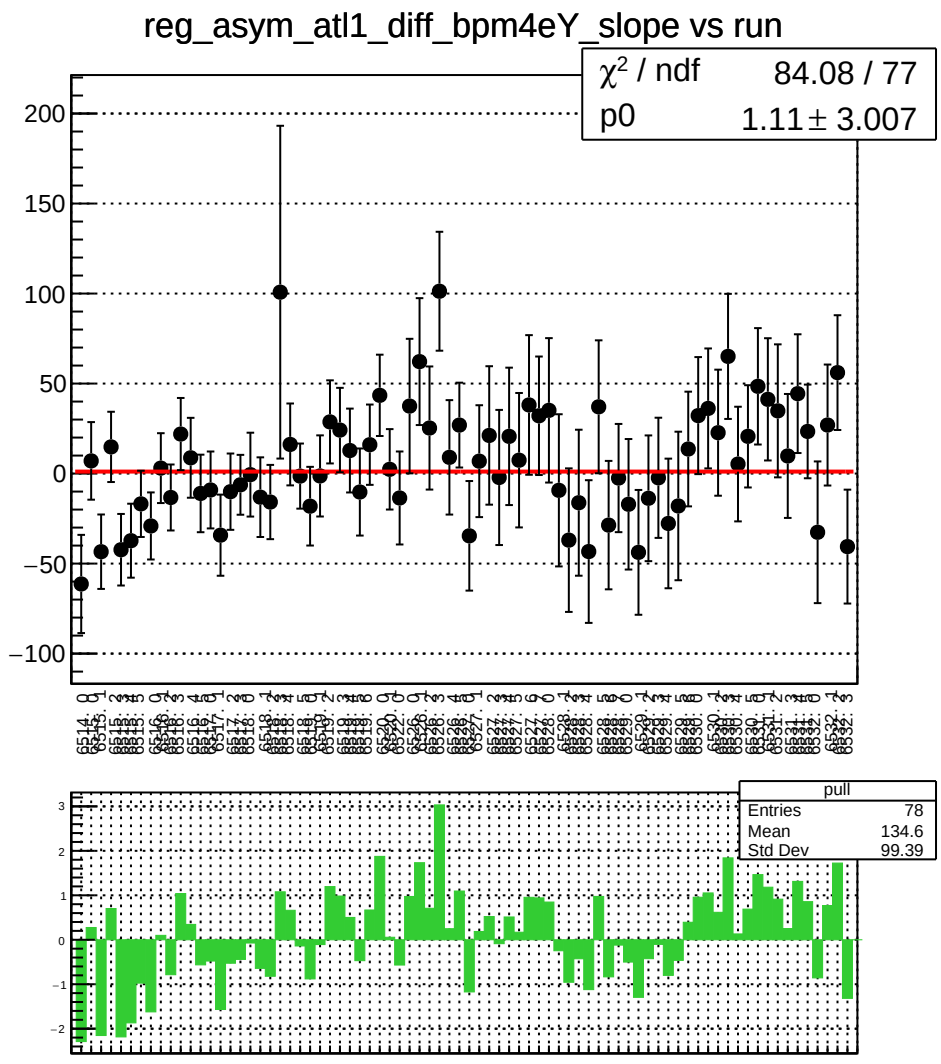

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 66.92 / 77
p0 −13.96 ± 2.498
50
0
−50
−100
−150
pull
Entries 78
Mean 50.34
Std Dev 15.81
2
1
0
−1
−2
−3

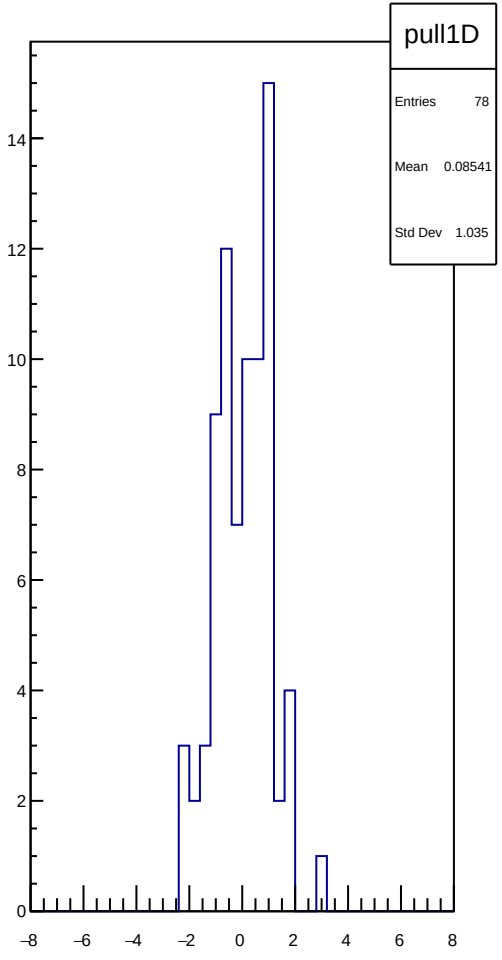

pull1D
Entries 78
Mean −0.06313
Std Dev 0.9241
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

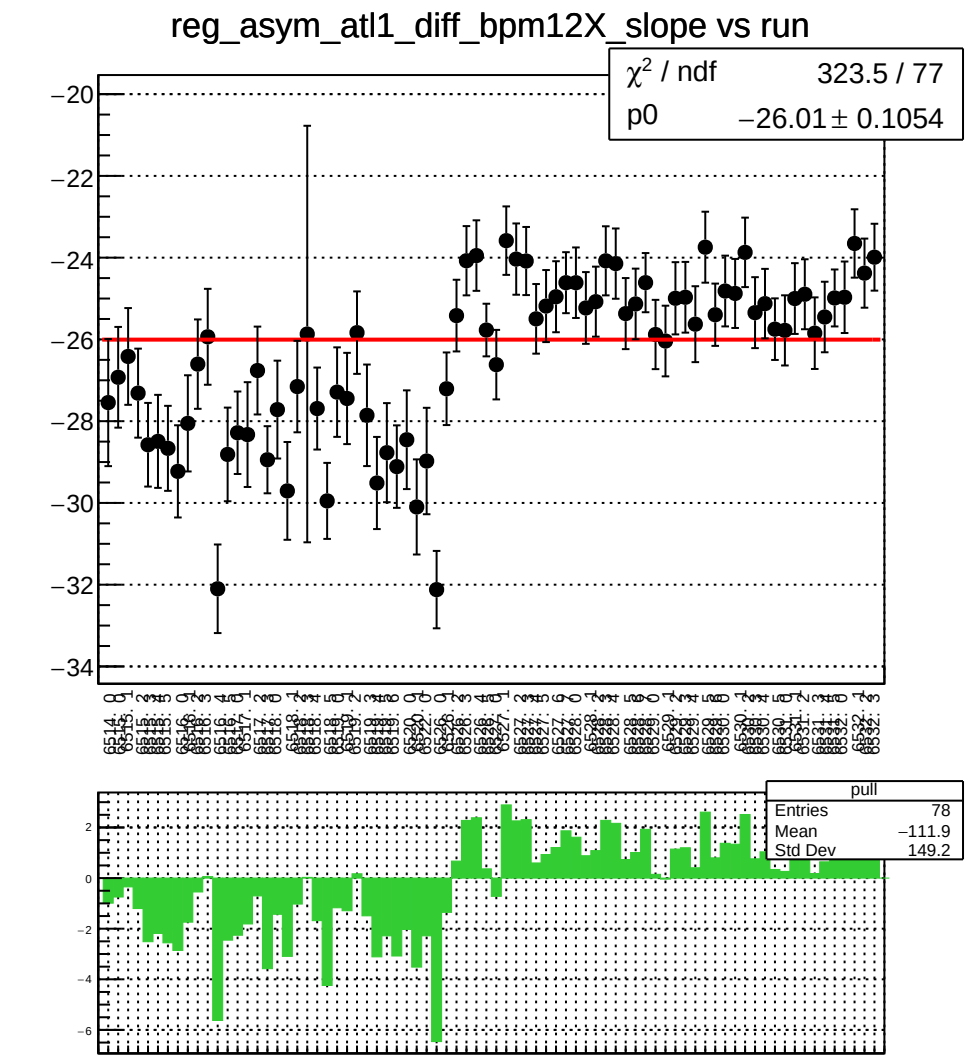

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 91.16 / 77
p0 −0.8541 ± 2.672
pull
Entries 78
Mean 103.6
Std Dev 64.54

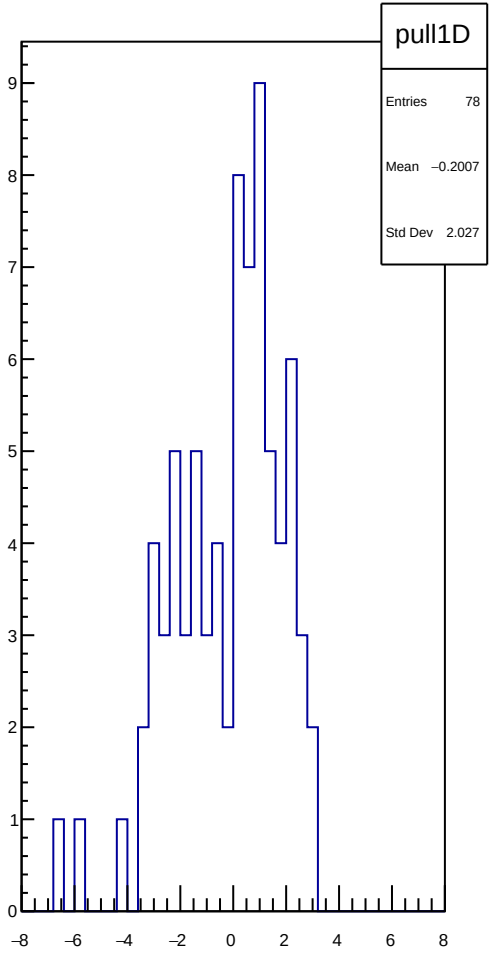

pull1D
Entries 78
Mean −0.1651
Std Dev 1.068

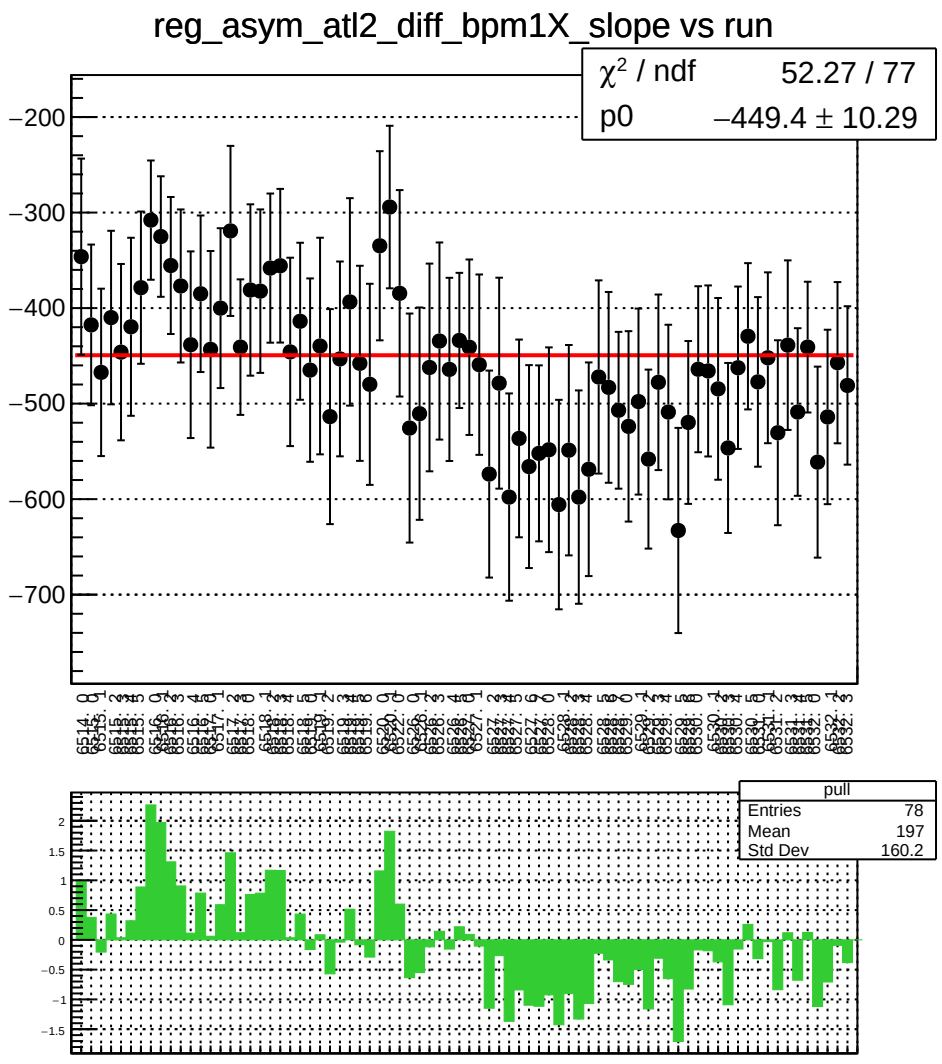

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 67.38 / 77
p0 57 ± 2.71
pull
Entries 78
Mean 46.17
Std Dev 18.12
pull1D
Entries 78
Mean 0.0625
Std Dev 0.9273

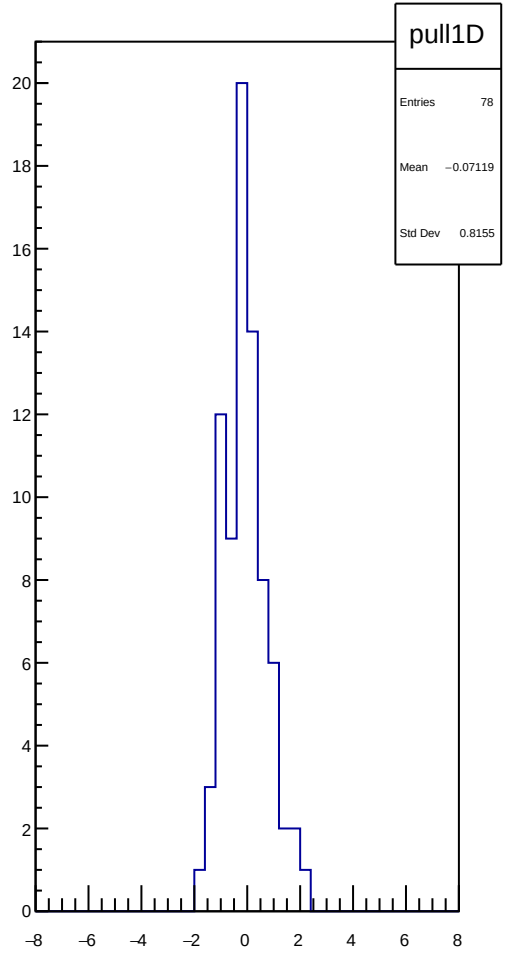

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 84.08 / 77
p0 1.11 ± 3.007
pull
Entries 78
Mean 134.6
Std Dev 99.39

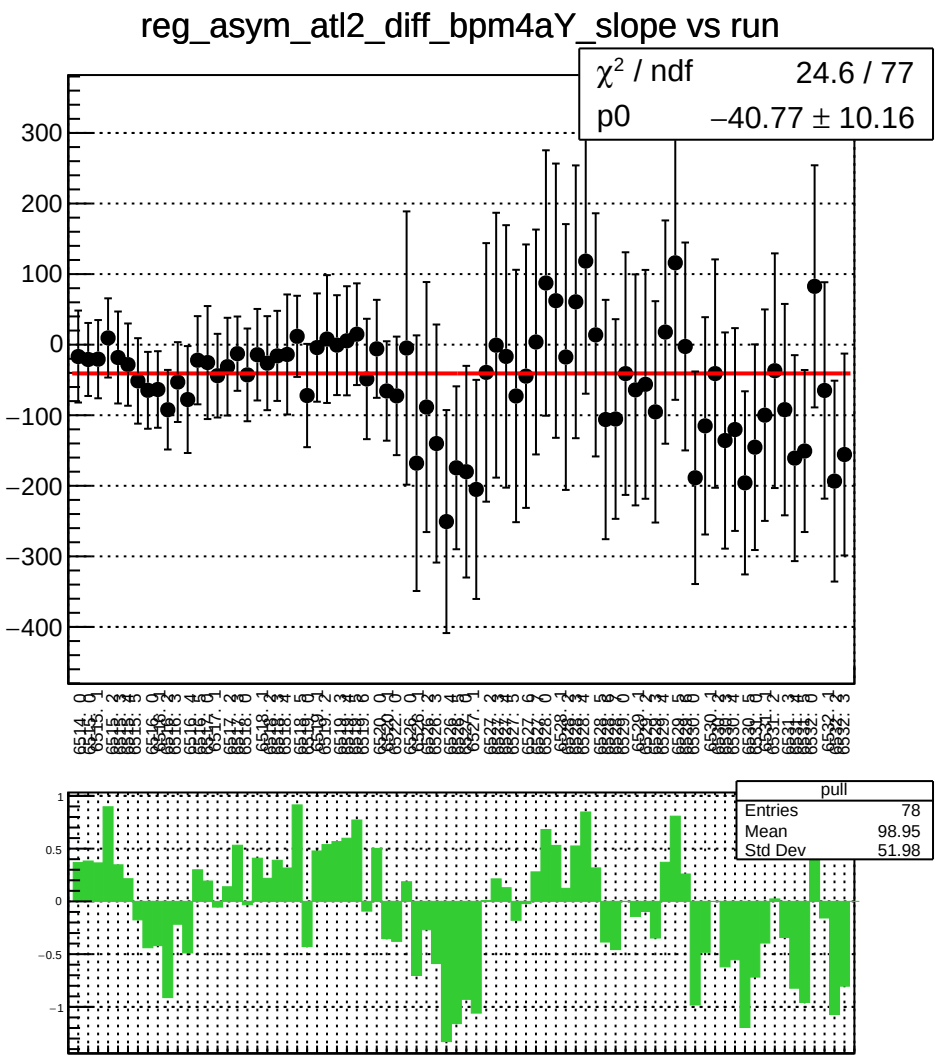

pull1D
Entries 78
Mean 0.08541
Std Dev 1.035

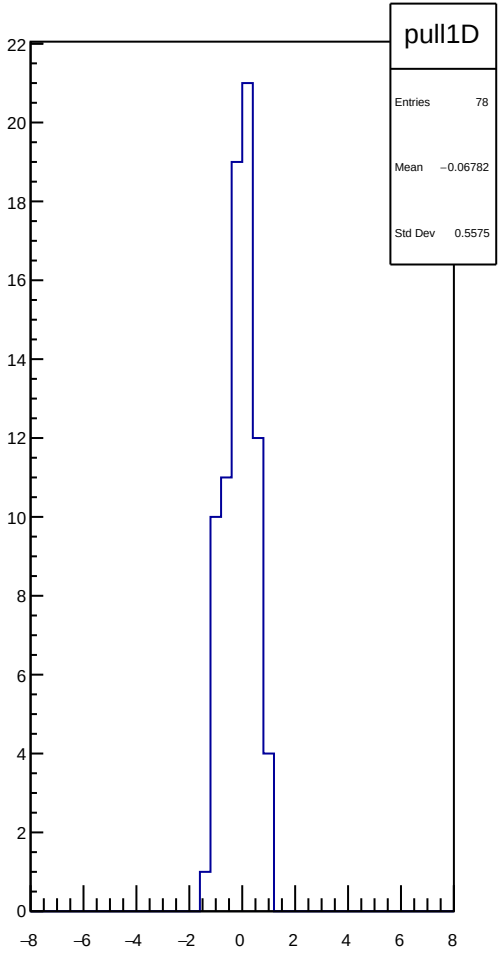

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 323.5 / 77
p0 −26.01 ± 0.1054
pull
Entries 78
Mean −111.9
Std Dev 149.2

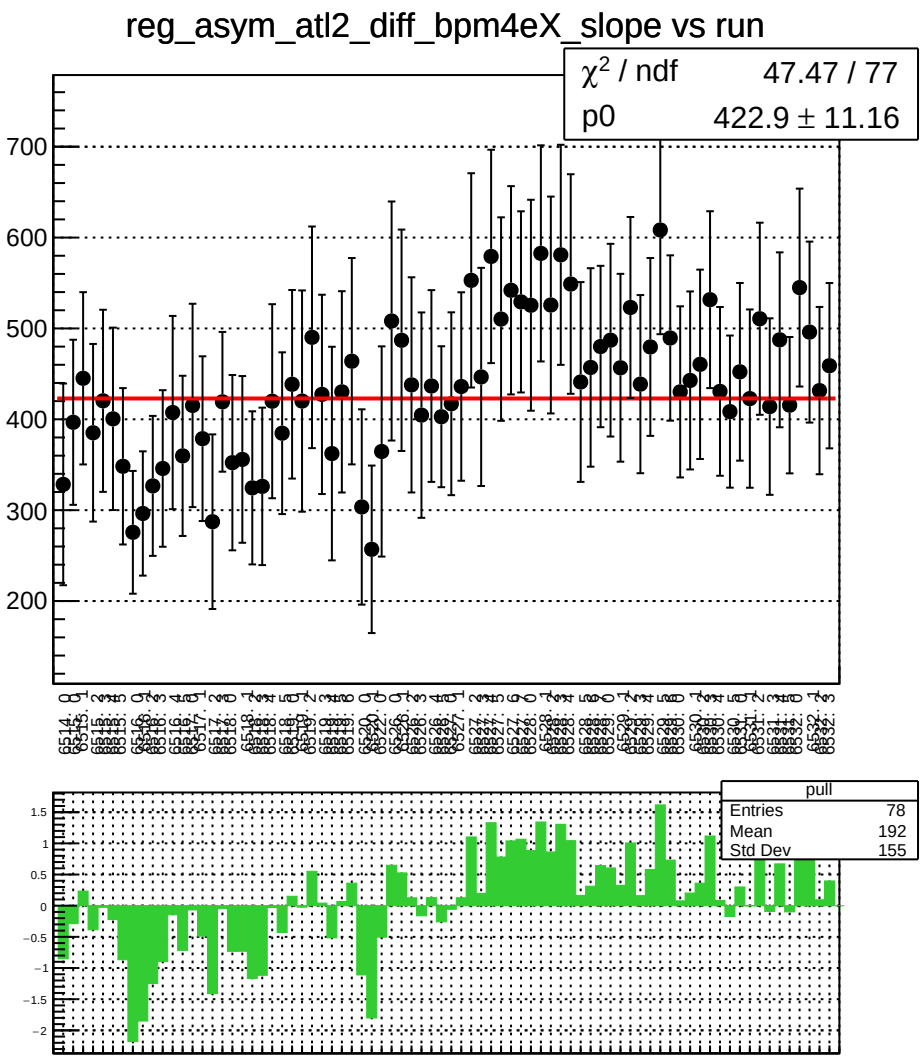

pull1D
Entries 78
Mean −0.2007
Std Dev 2.027

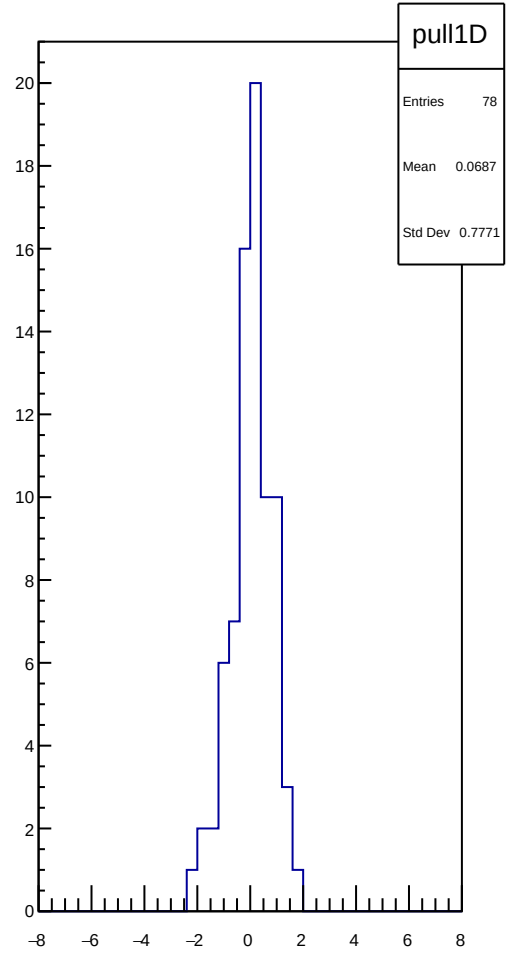

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 52.27 / 77
p0 −449.4 ± 10.29
pull
Entries 78
Mean 197
Std Dev 160.2

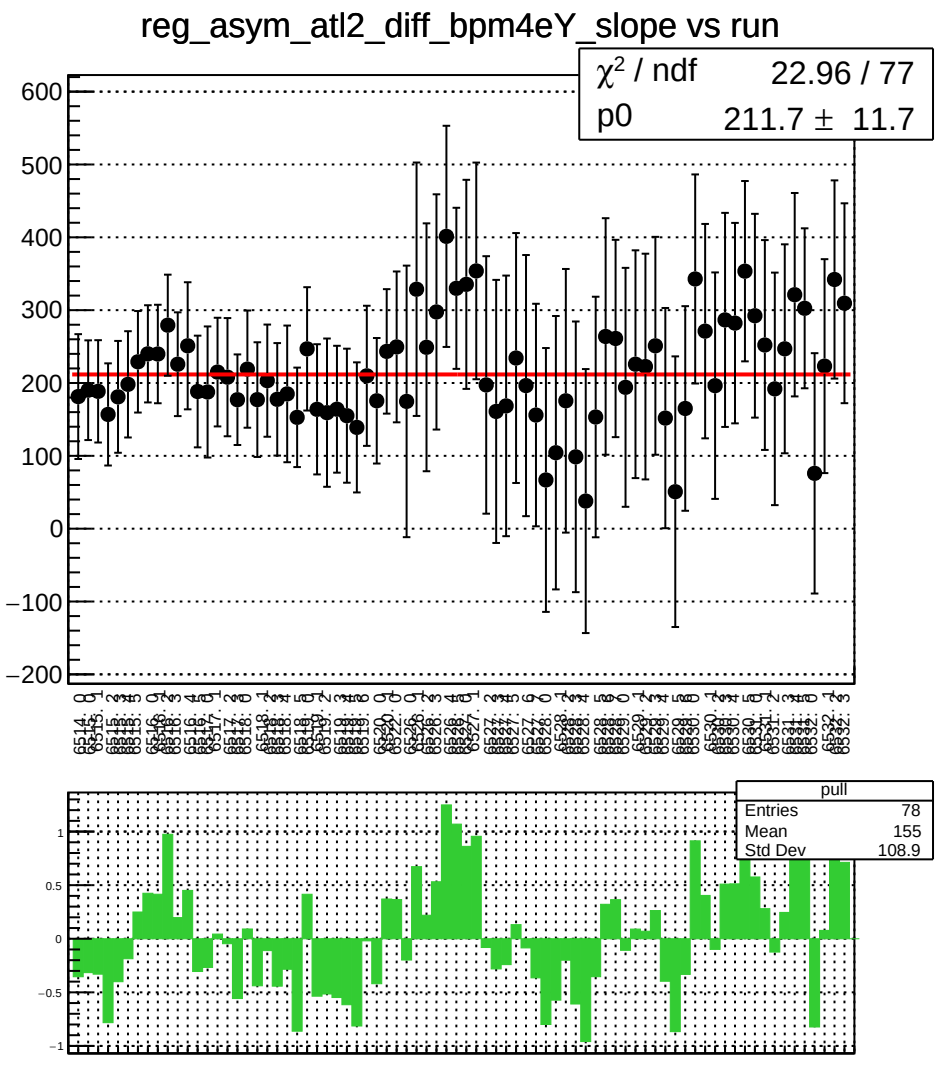

pull1D
Entries 78
Mean −0.07119
Std Dev 0.8155

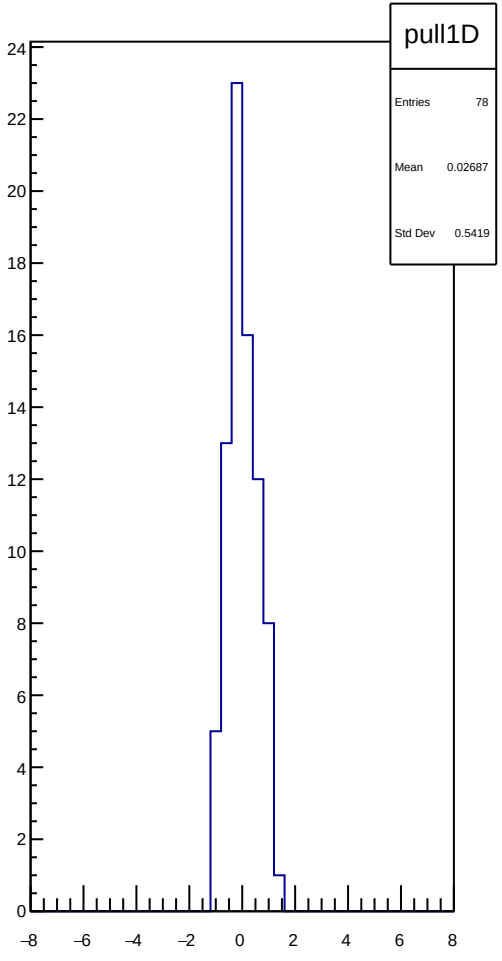

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 24.6 / 77
p0 −40.77 ± 10.16
pull
Entries 78
Mean 98.95
Std Dev 51.98

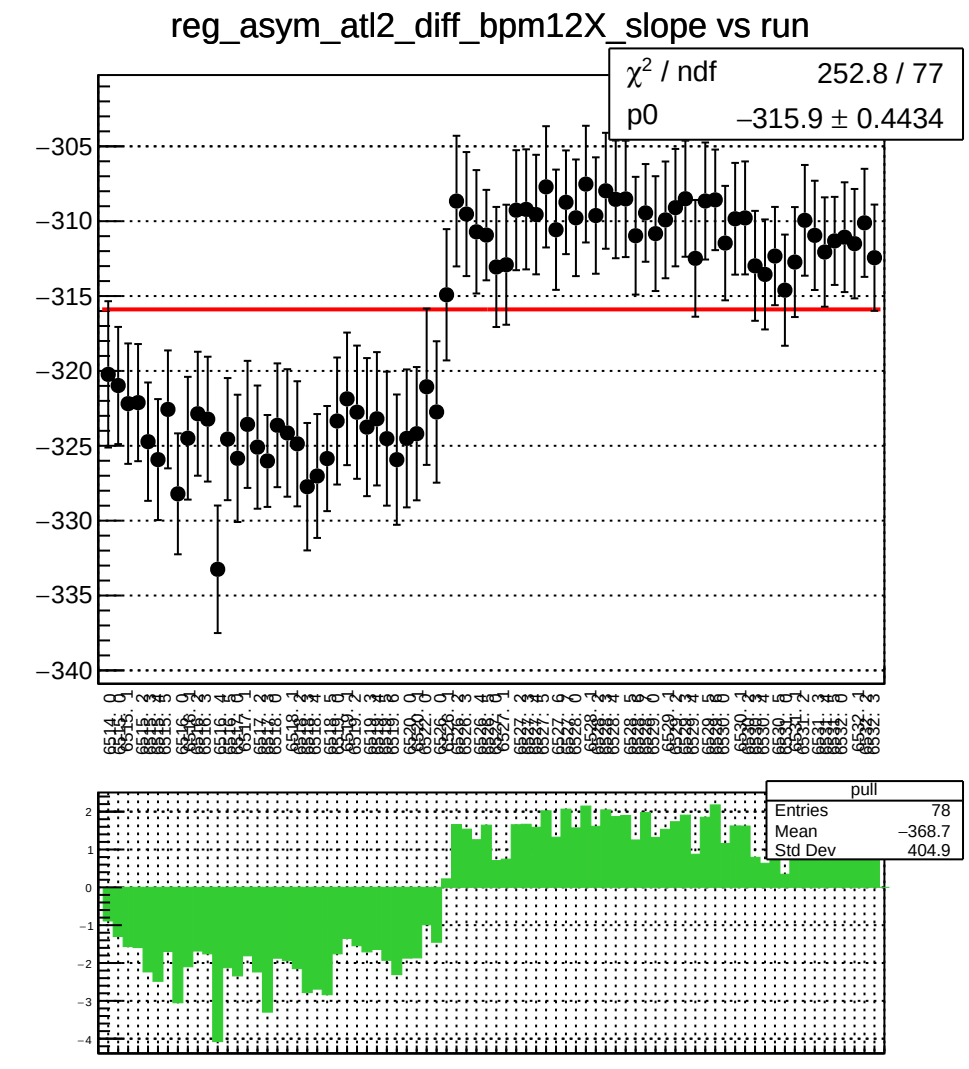

pull1D
Entries 78
Mean −0.06782
Std Dev 0.5575

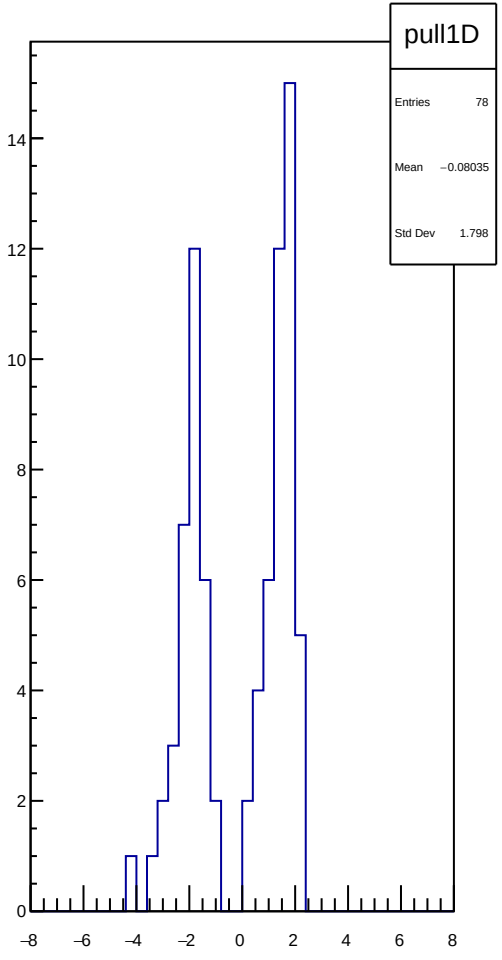

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 47.47 / 77
p0 422.9 ± 11.16
pull
Entries 78
Mean 192
Std Dev 155

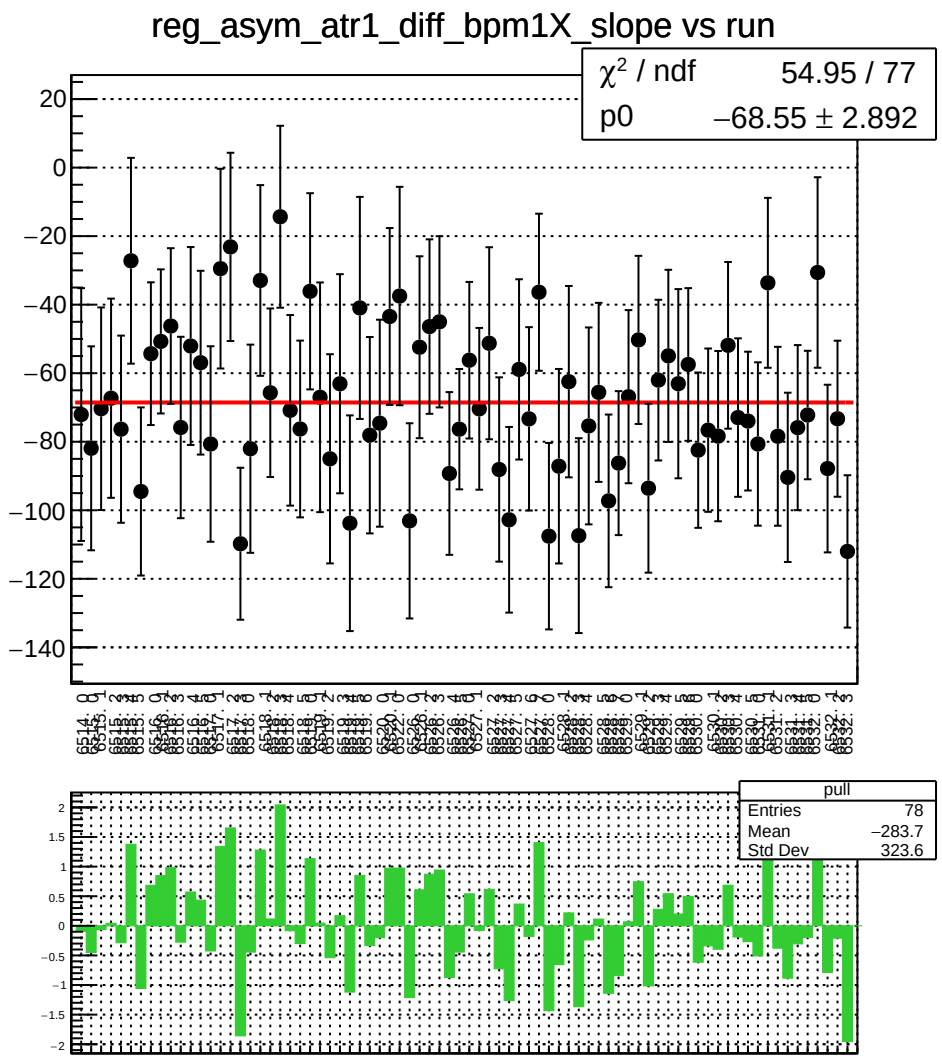

pull1D
Entries 78
Mean 0.0687
Std Dev 0.7771

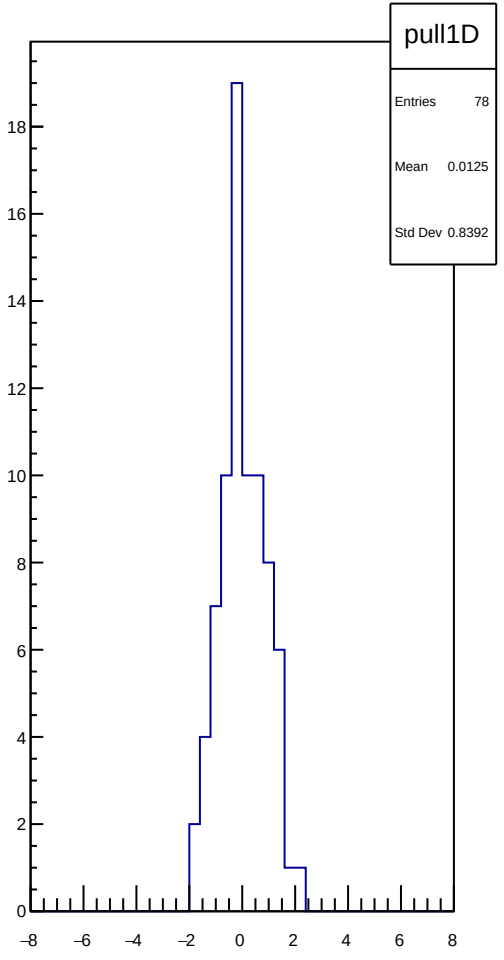

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 22.96 / 77
p0 211.7 ± 11.7
pull
Entries 78
Mean 155
Std Dev 108.9

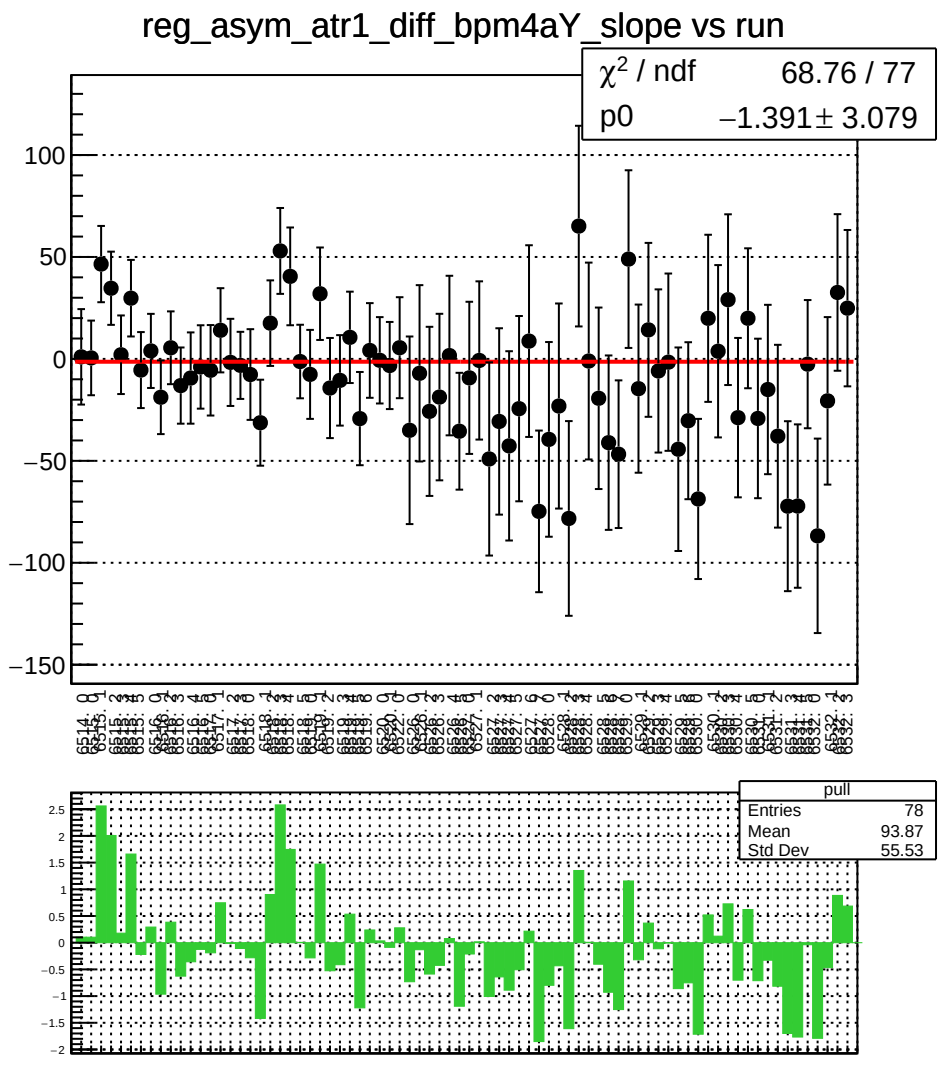

pull1D
Entries 78
Mean 0.02687
Std Dev 0.5419

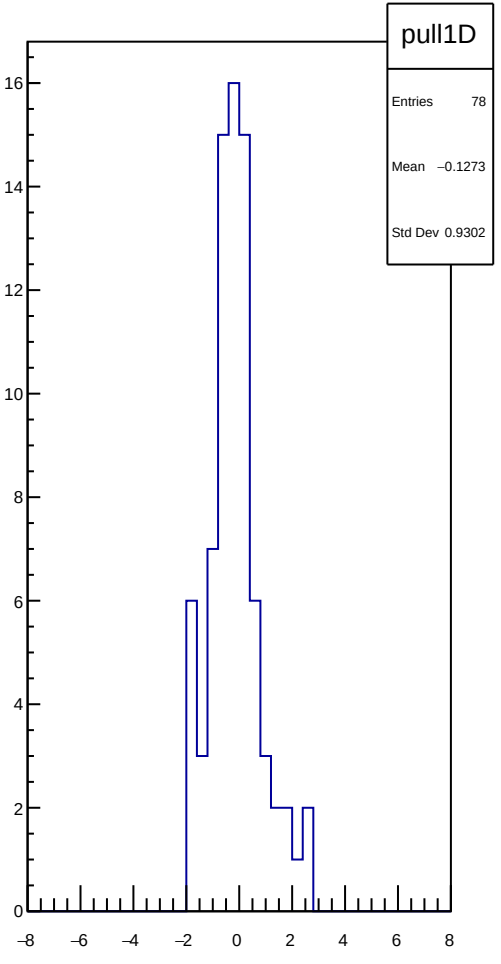

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 252.8 / 77
p0 −315.9 ± 0.4434
pull
Entries 78
Mean −368.7
Std Dev 404.9

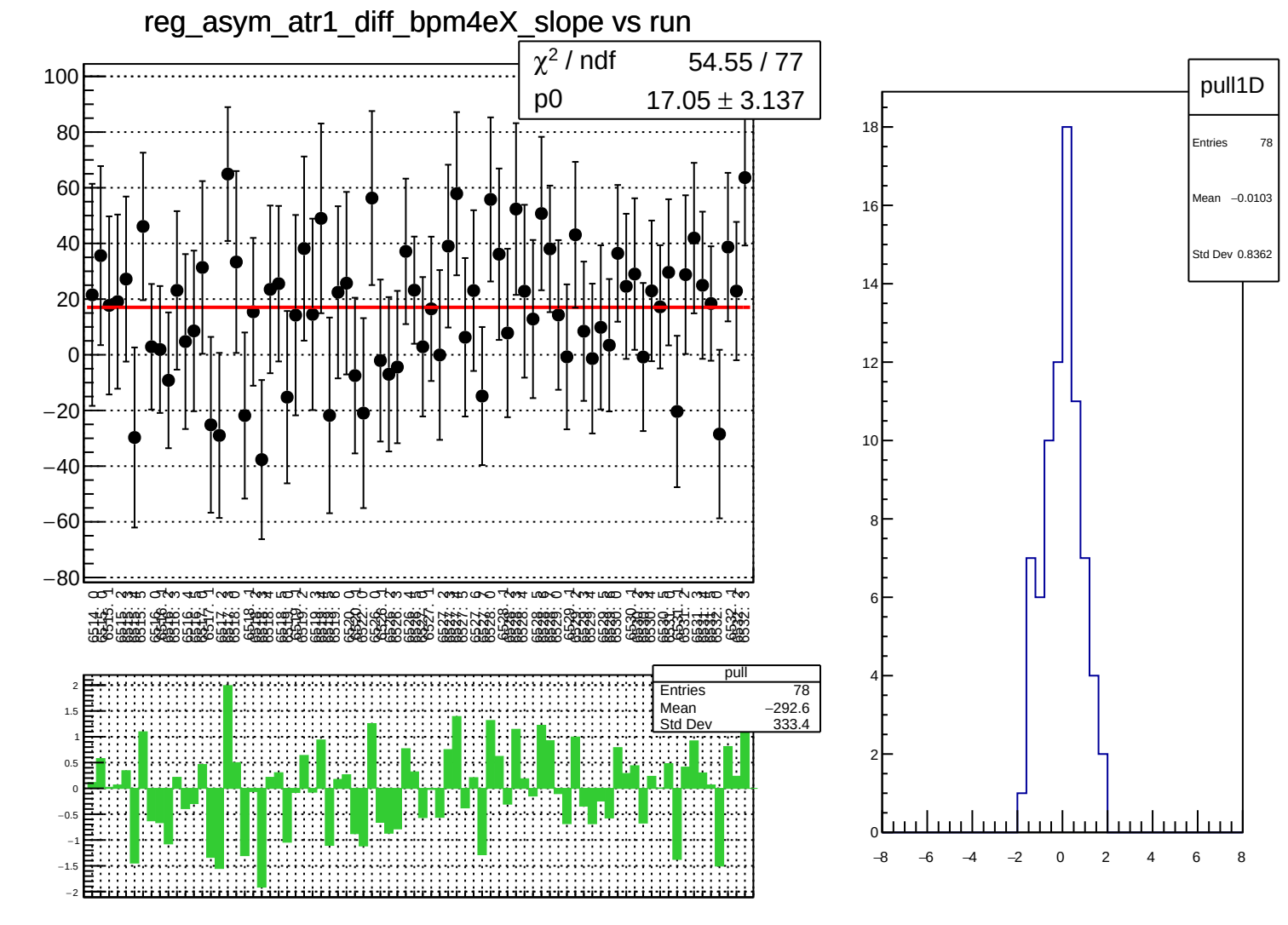

pull1D
Entries 78
Mean −0.08035
Std Dev 1.798

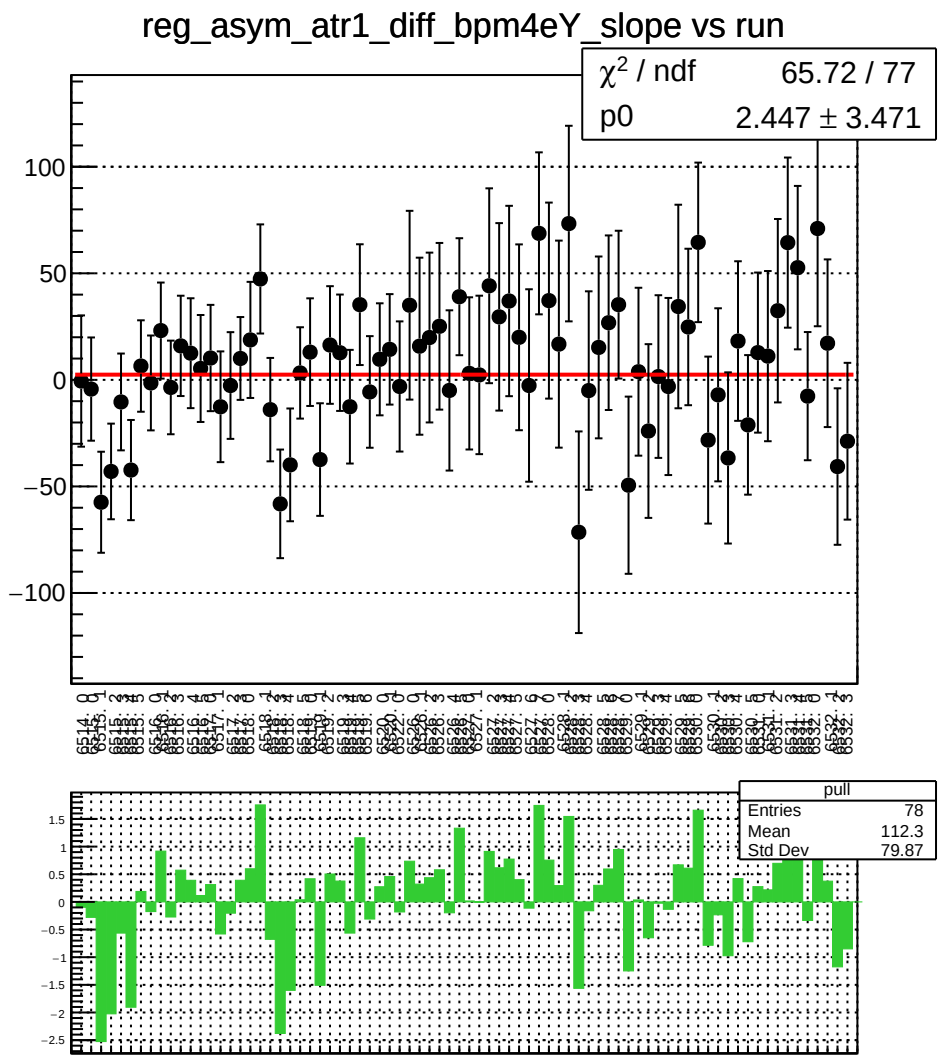

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 54.95 / 77
p0 −68.55 ± 2.892
pull
Entries 78
Mean −283.7
Std Dev 323.6

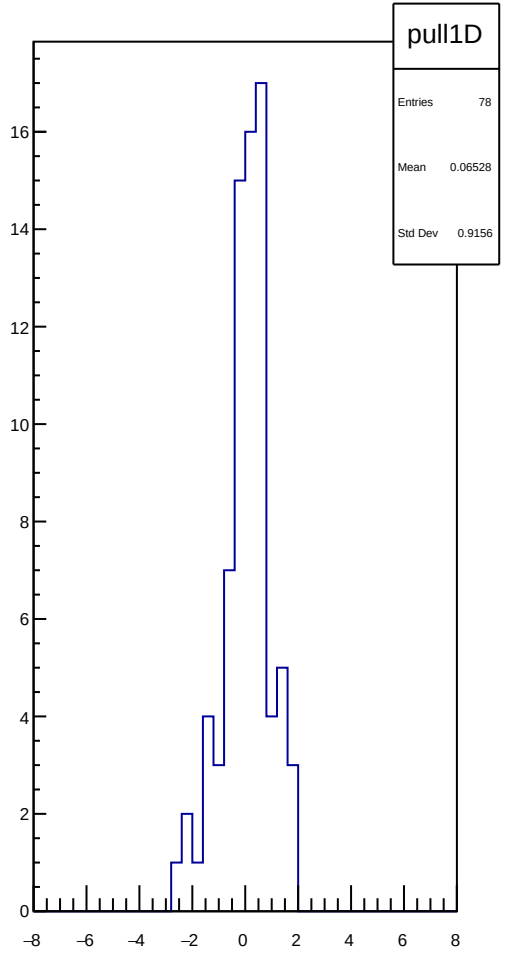

pull1D
Entries 78
Mean 0.0125
Std Dev 0.8392

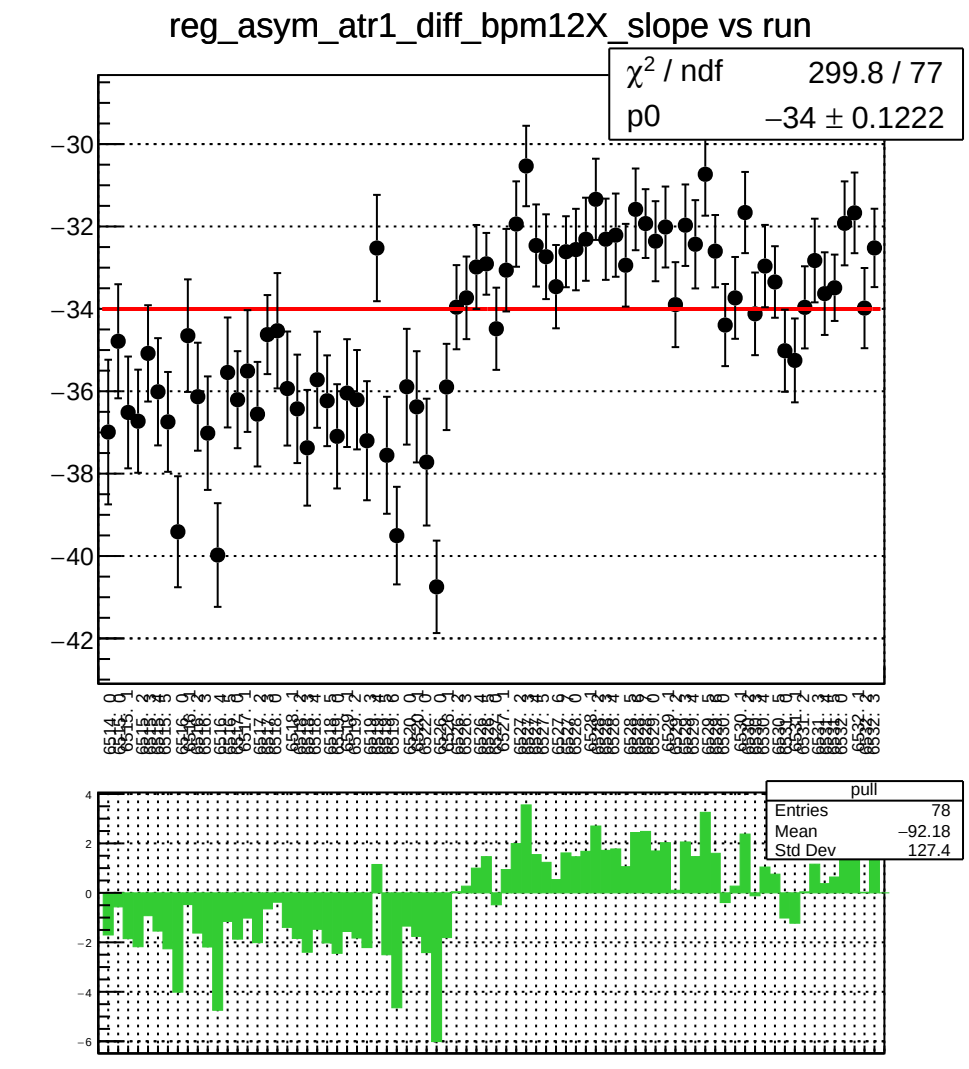

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 68.76 / 77
p0 −1.391 ± 3.079
pull
Entries 78
Mean 93.87
Std Dev 55.53

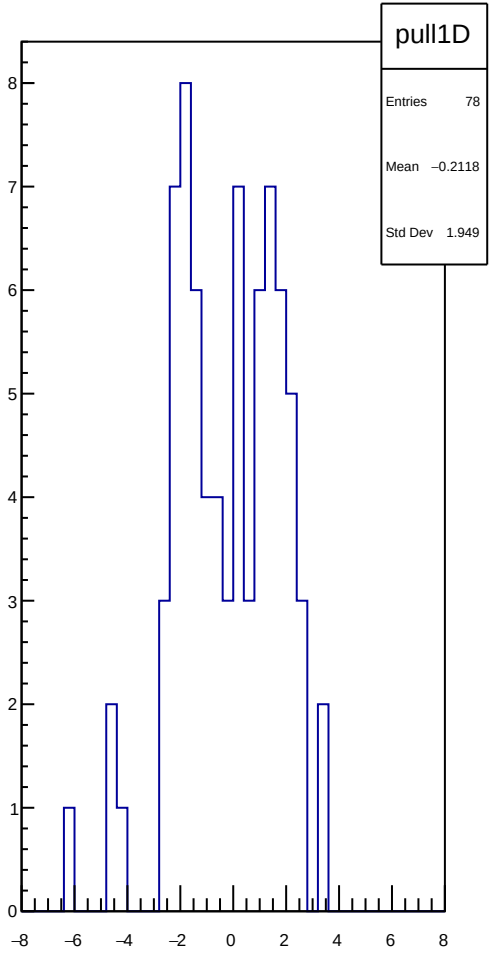

pull1D
Entries 78
Mean −0.1273
Std Dev 0.9302

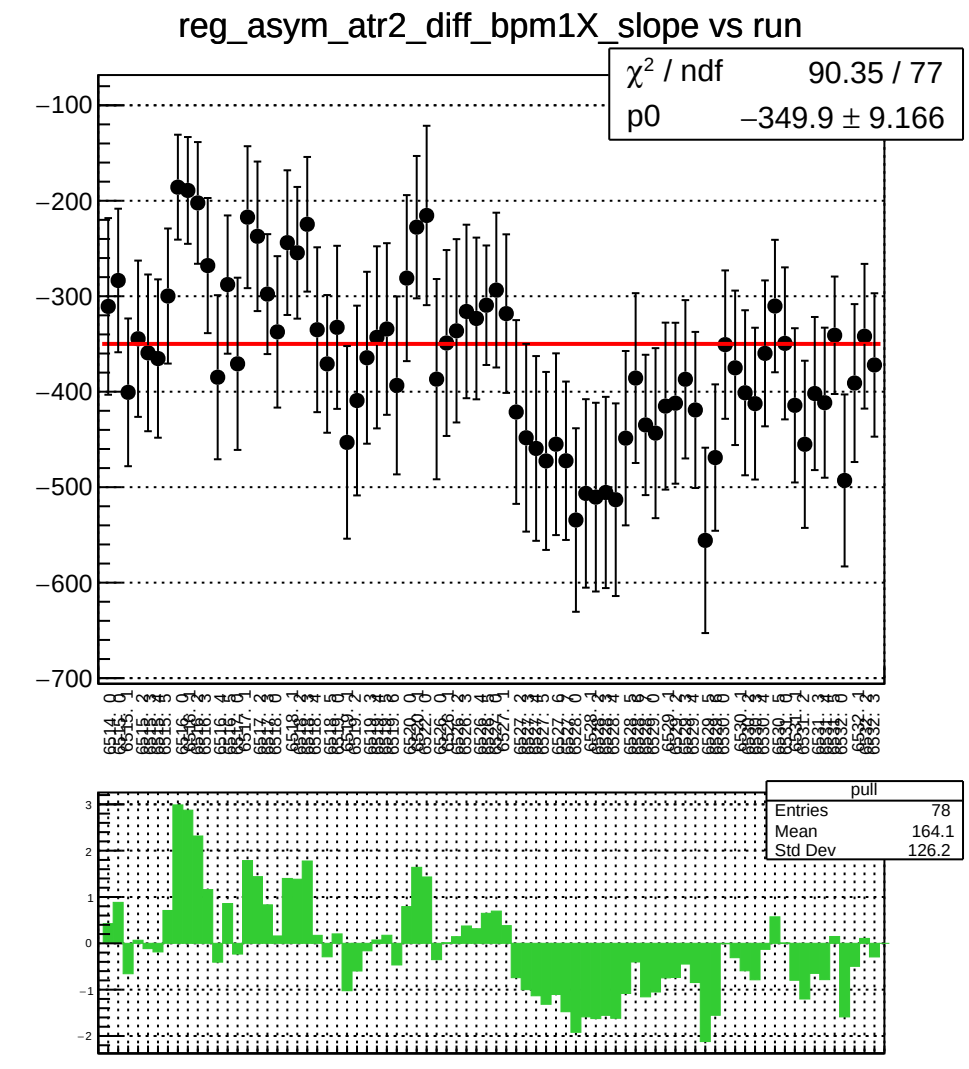

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 54.55 / 77
p0 17.05 ± 3.137
pull
Entries 78
Mean −292.6
Std Dev 333.4
pull1D
Entries 78
Mean −0.0103
Std Dev 0.8362

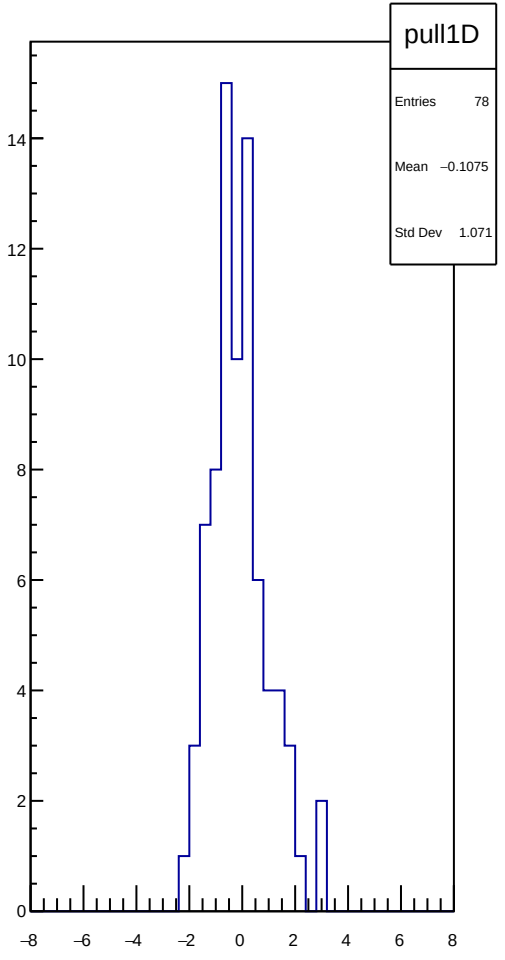

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 65.72 / 77
p0 2.447 ± 3.471
100
50
0
−50
−100
pull
Entries 78
Mean 112.3
Std Dev 79.87
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

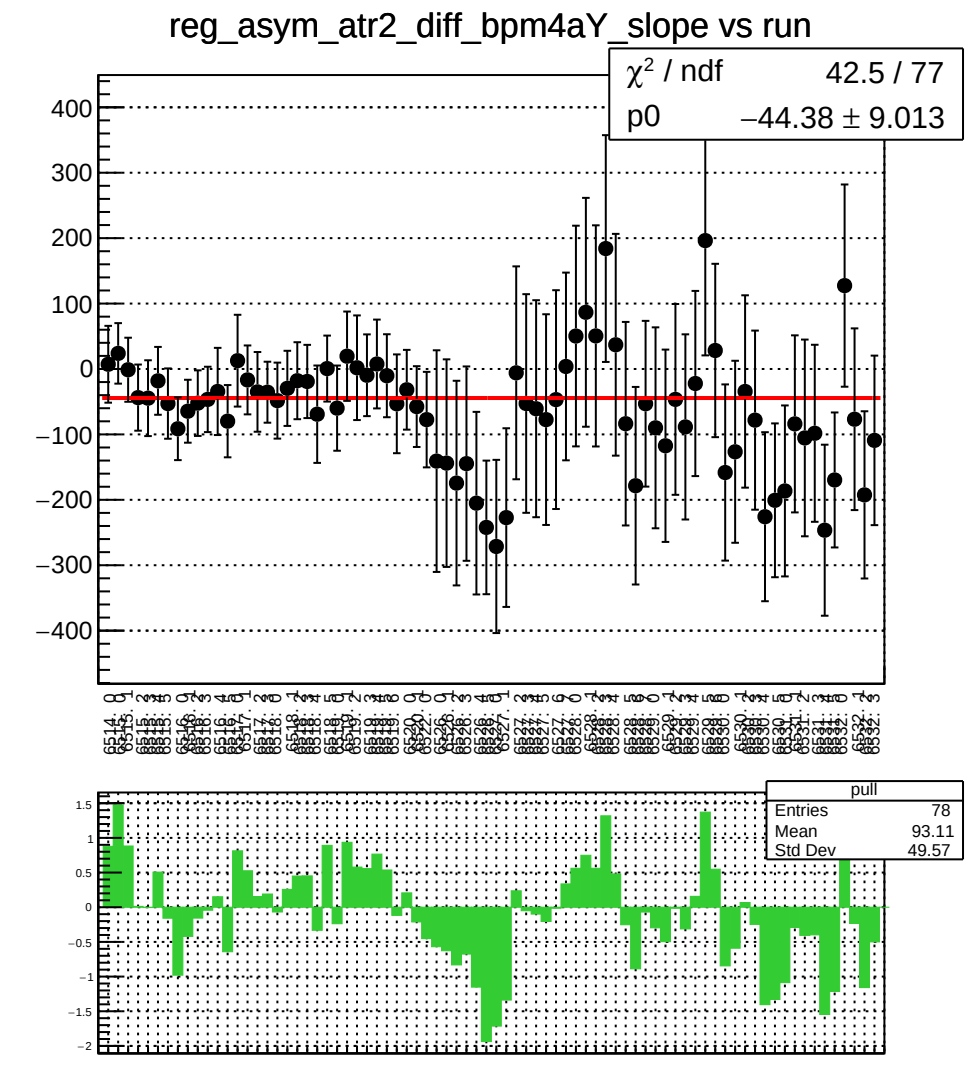

pull1D
Entries 78
Mean 0.06528
Std Dev 0.9156
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

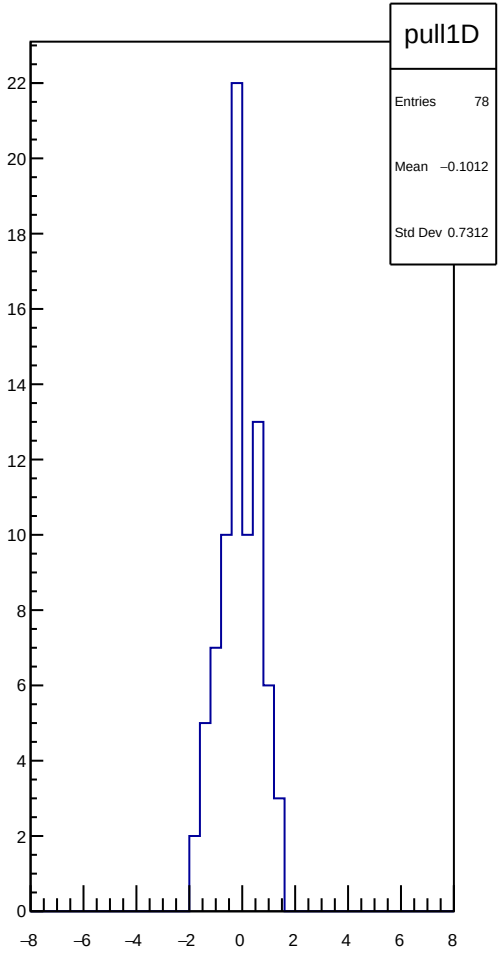

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 299.8 / 77
p0 −34 ± 0.1222
pull
Entries 78
Mean −92.18
Std Dev 127.4

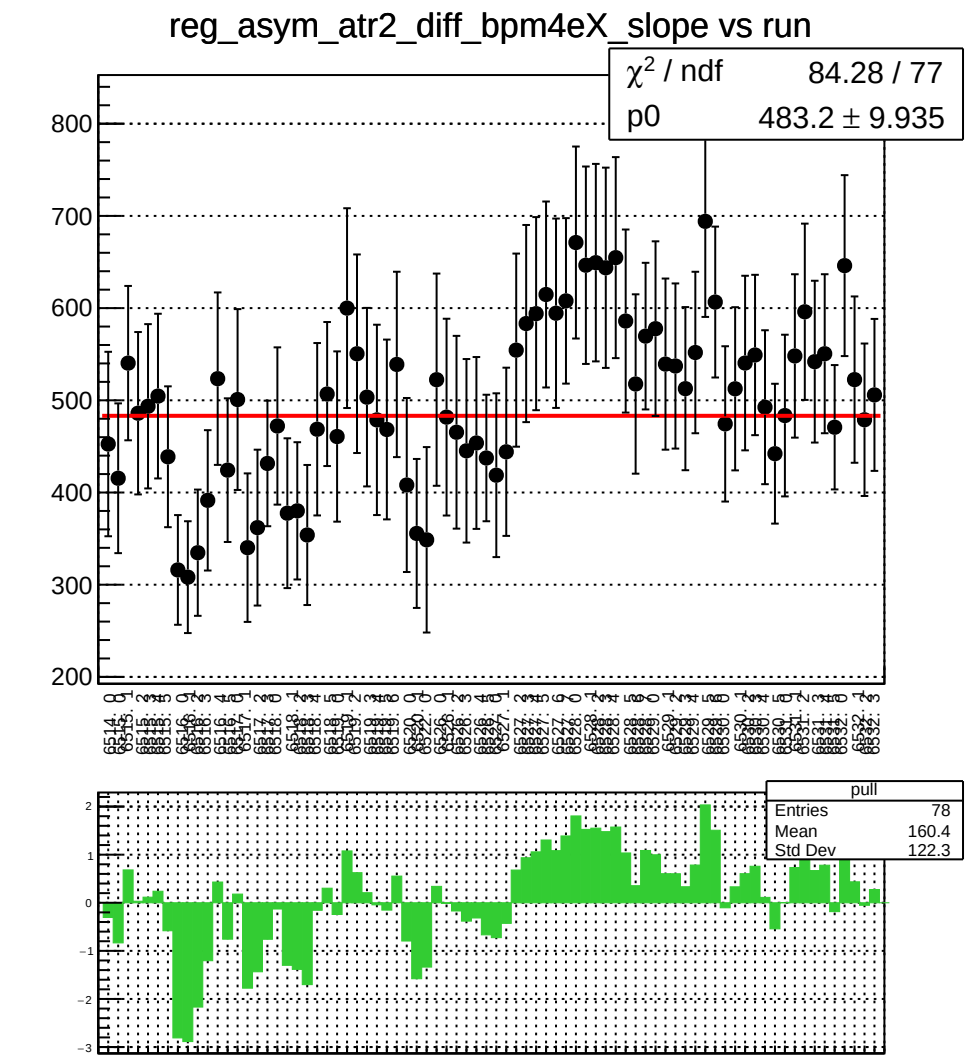

pull1D
Entries 78
Mean −0.2118
Std Dev 1.949

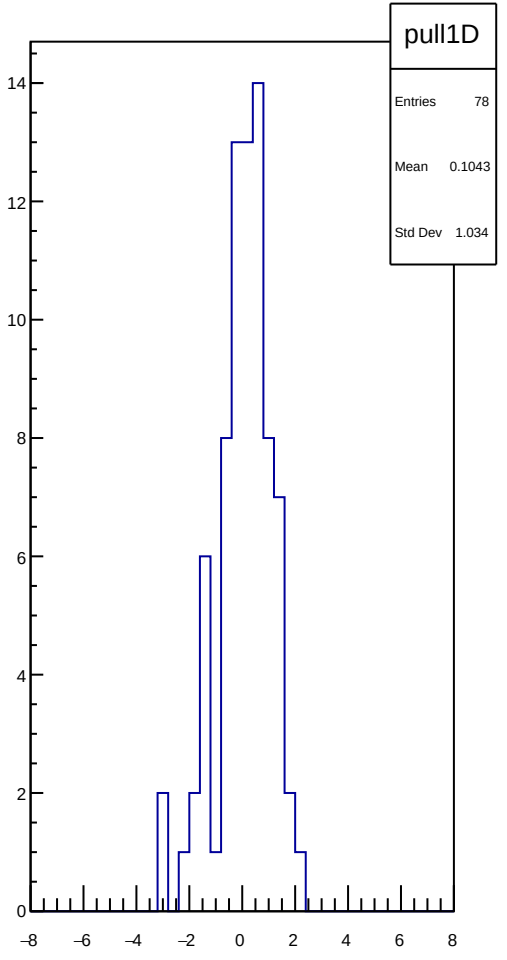

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 90.35 / 77
p0 −349.9 ± 9.166
pull
Entries 78
Mean 164.1
Std Dev 126.2

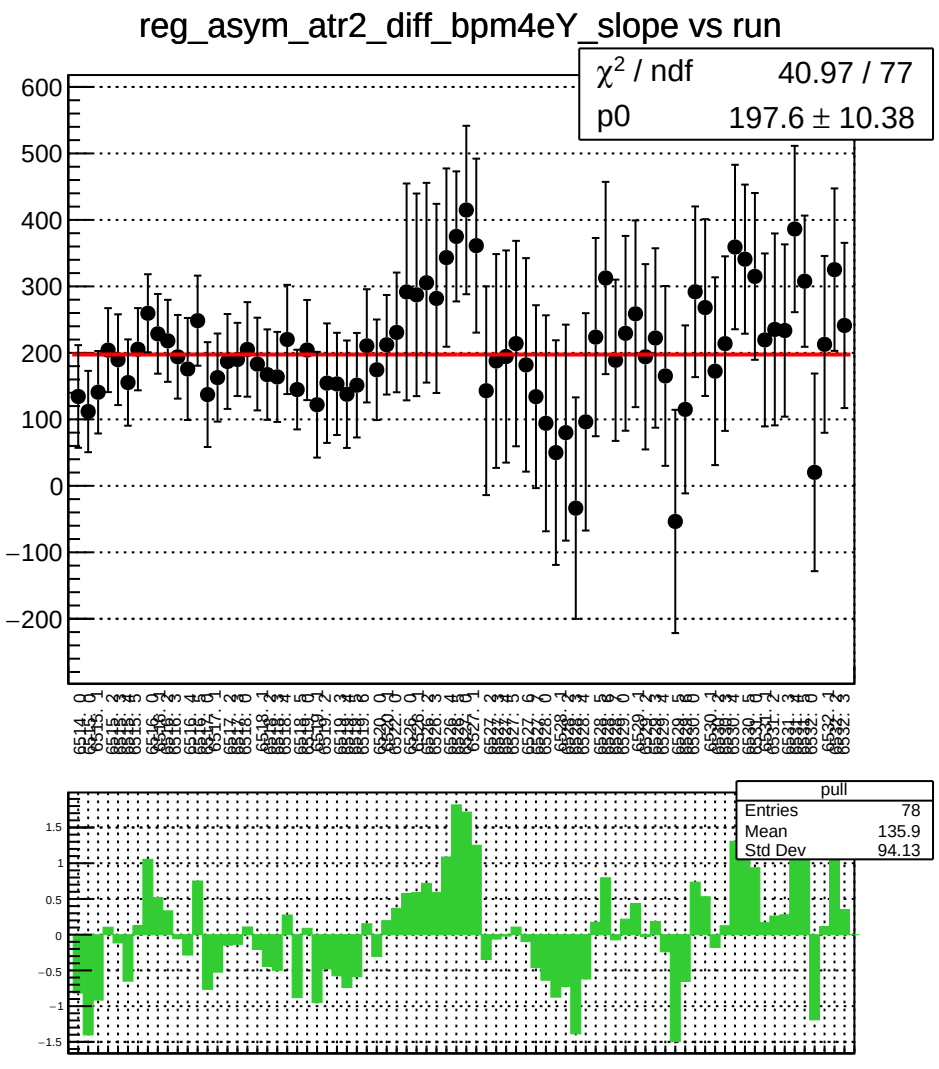

pull1D
Entries 78
Mean −0.1075
Std Dev 1.071

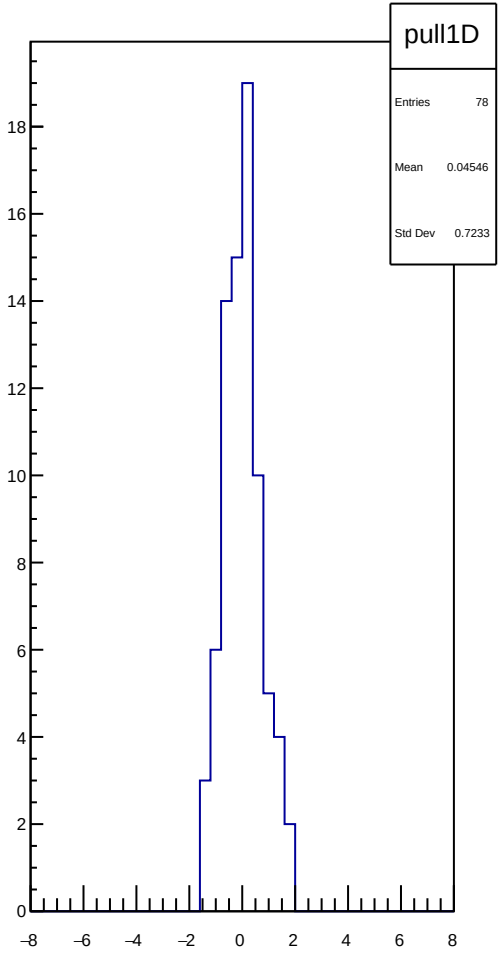

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 42.5 / 77
p0 −44.38 ± 9.013
pull
Entries 78
Mean 93.11
Std Dev 49.57

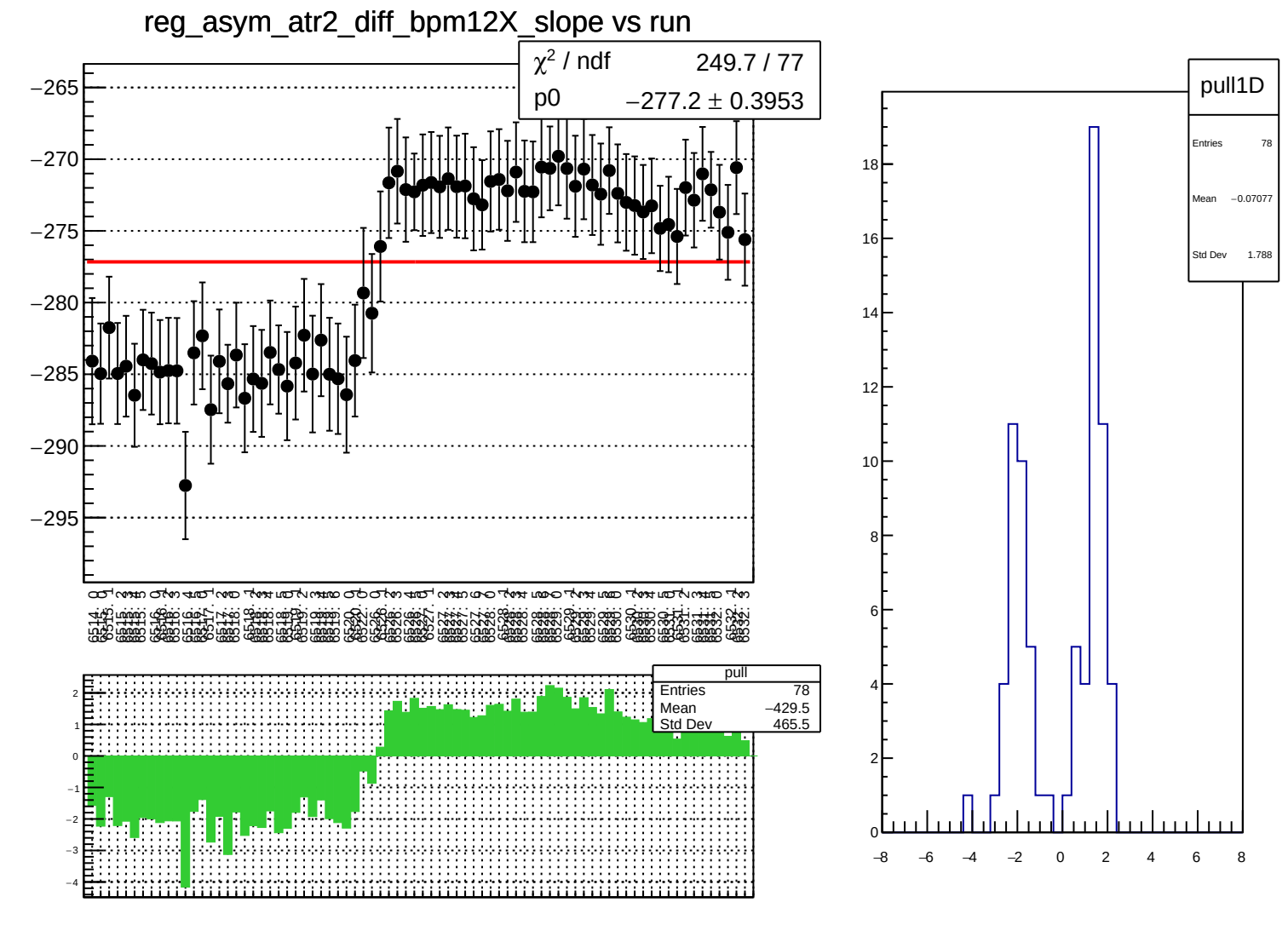

pull1D
Entries 78
Mean −0.1012
Std Dev 0.7312

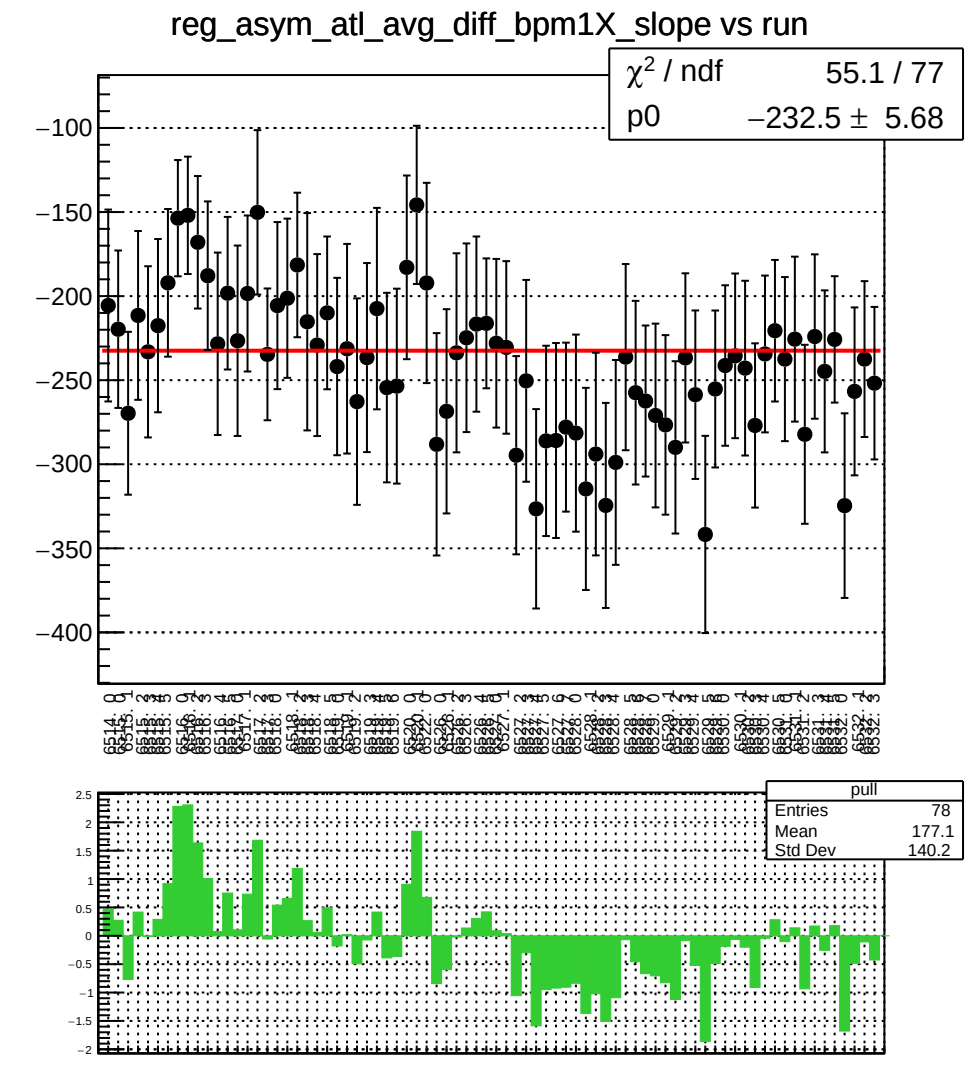

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 84.28 / 77
p0 483.2 ± 9.935
pull
Entries 78
Mean 160.4
Std Dev 122.3

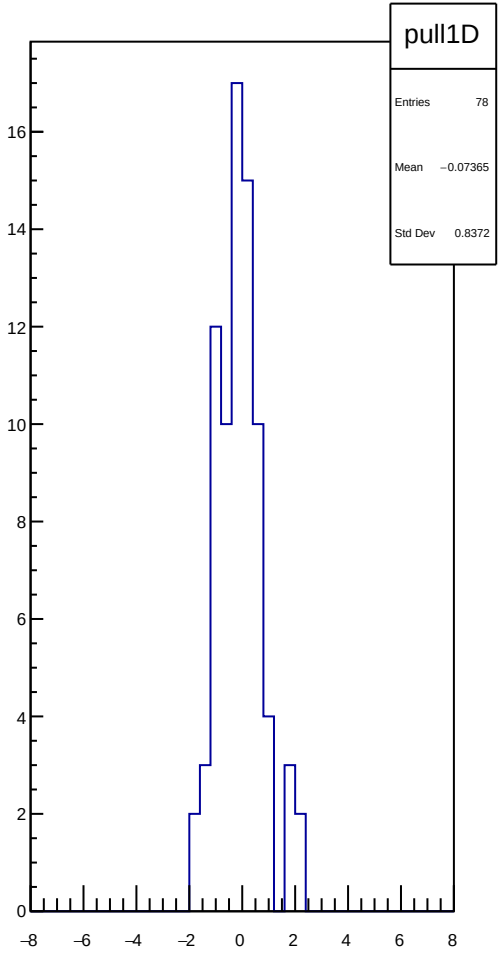

pull1D
Entries 78
Mean 0.1043
Std Dev 1.034

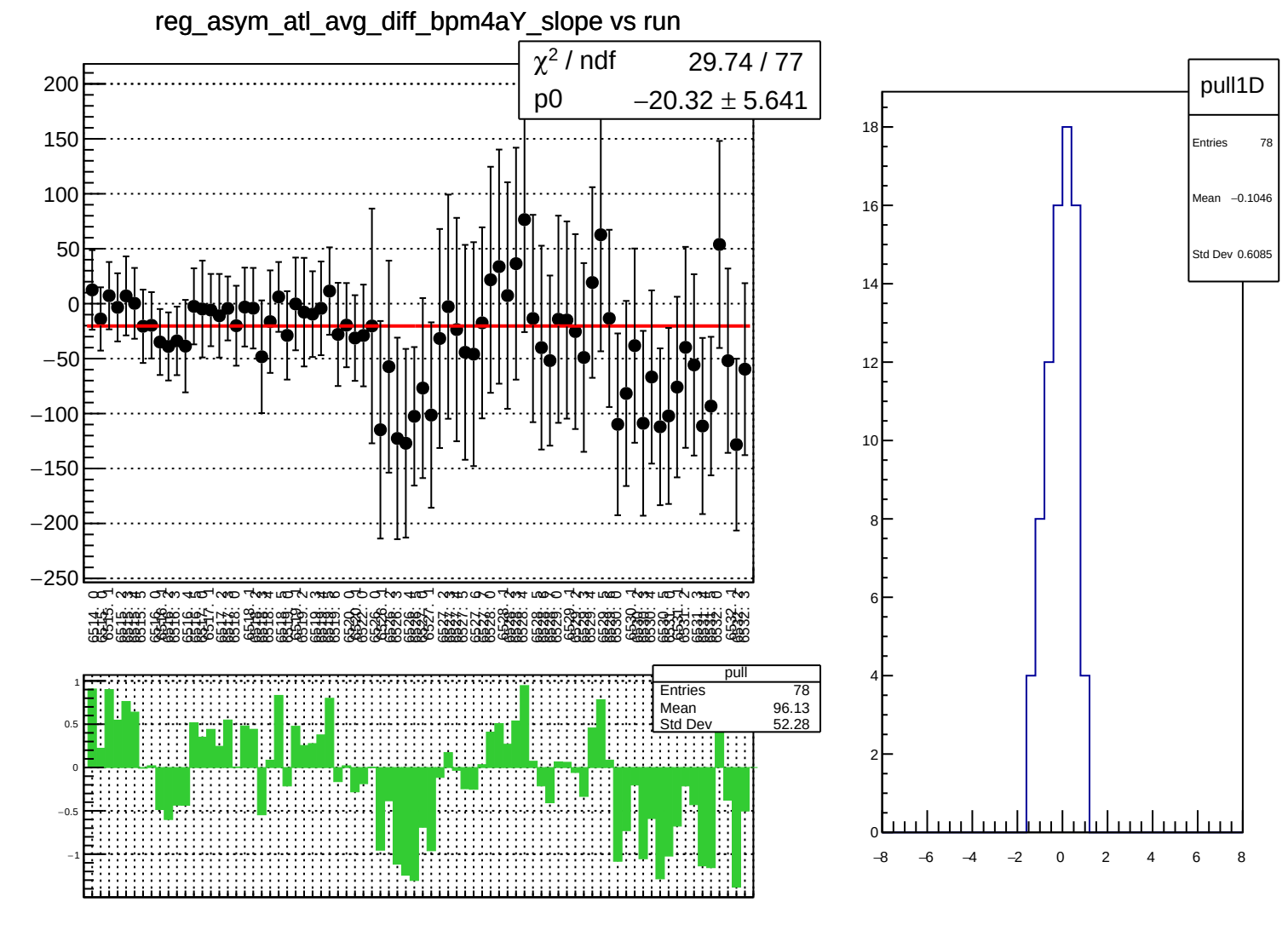

reg_asym_atr2_diff_bpm4eY_slope vs run
χ^2 / ndf 40.97 / 77
p0 197.6 ± 10.38
pull
Entries 78
Mean 135.9
Std Dev 94.13

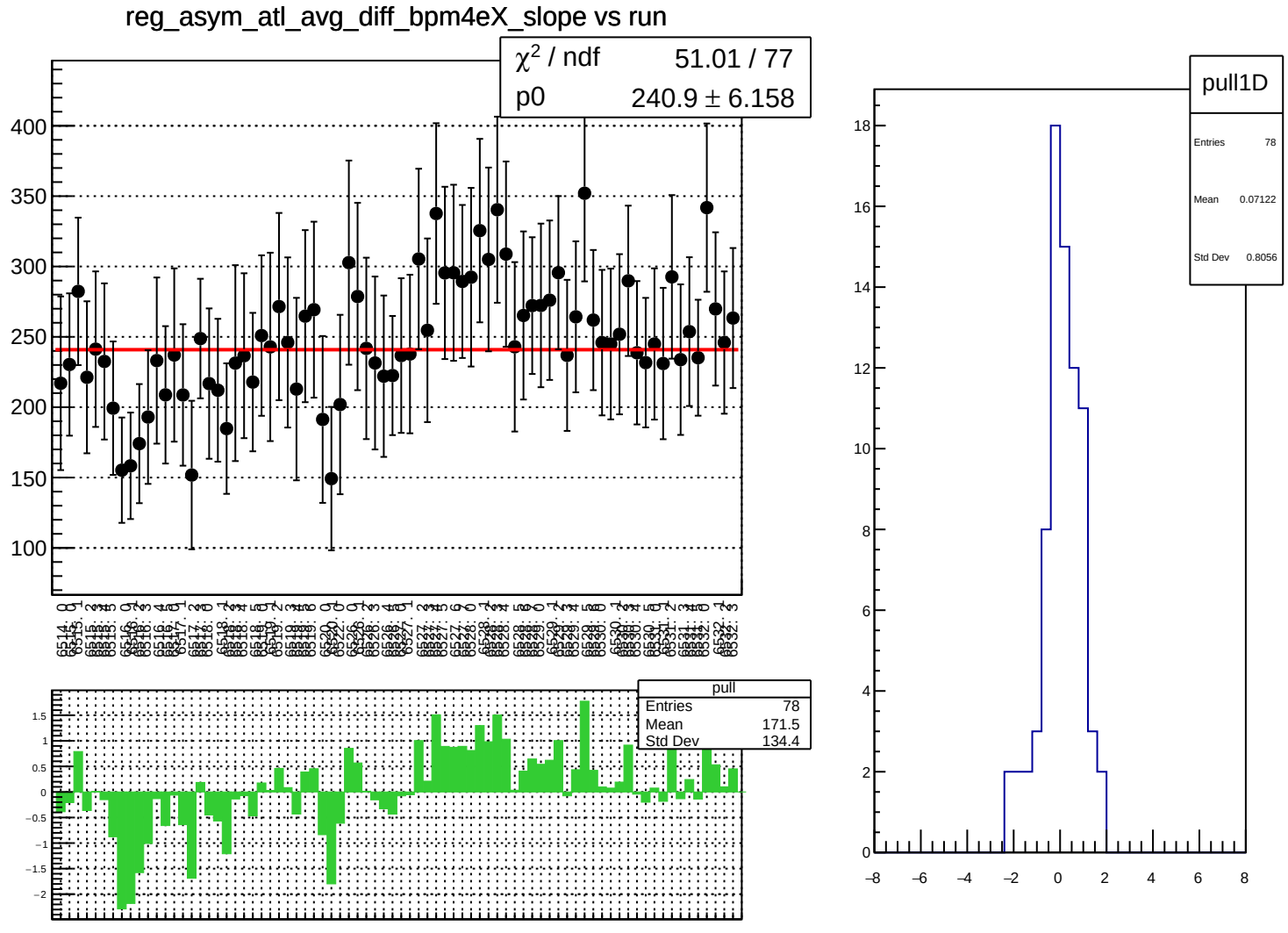

pull1D
Entries 78
Mean 0.04546
Std Dev 0.7233

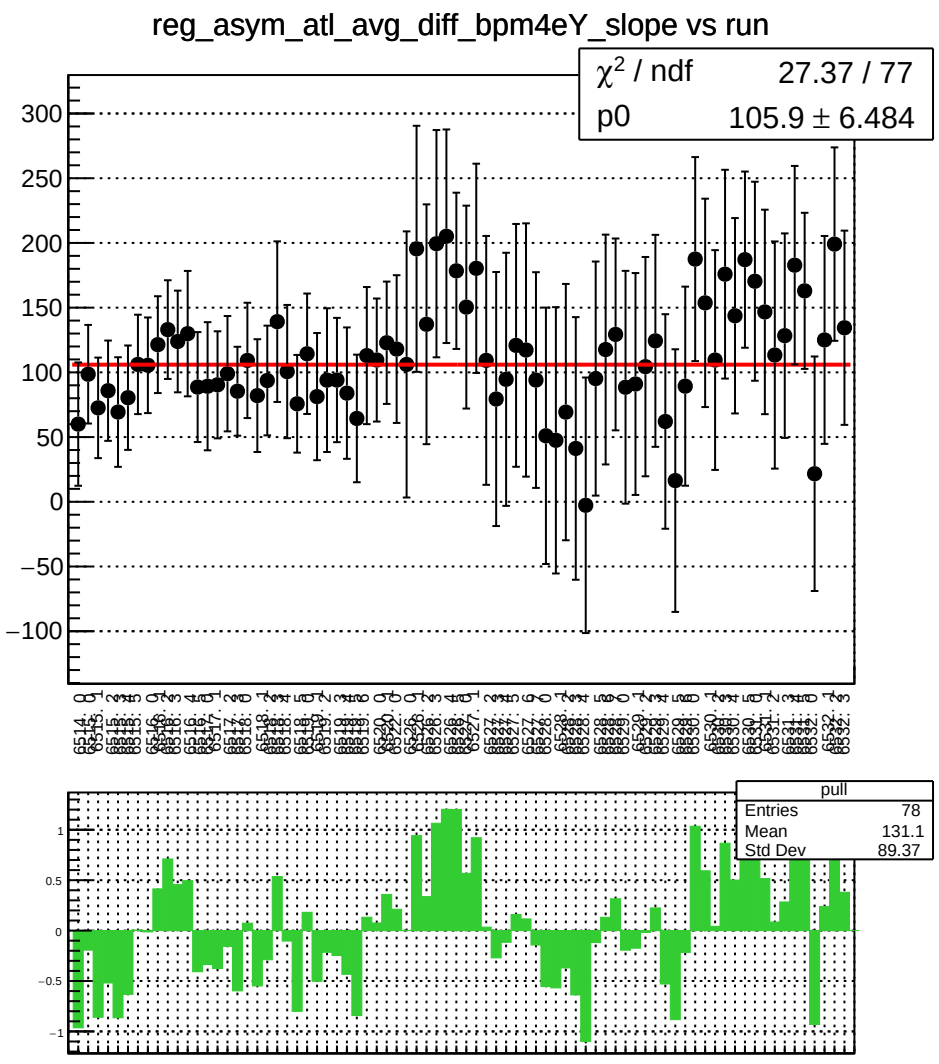

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 249.7 / 77
p0 −277.2 ± 0.3953
−265
−270
−275
−280
−285
−290
−295
pull
Entries 78
Mean −429.5
Std Dev 465.5
pull1D
Entries 78
Mean −0.07077
Std Dev 1.788

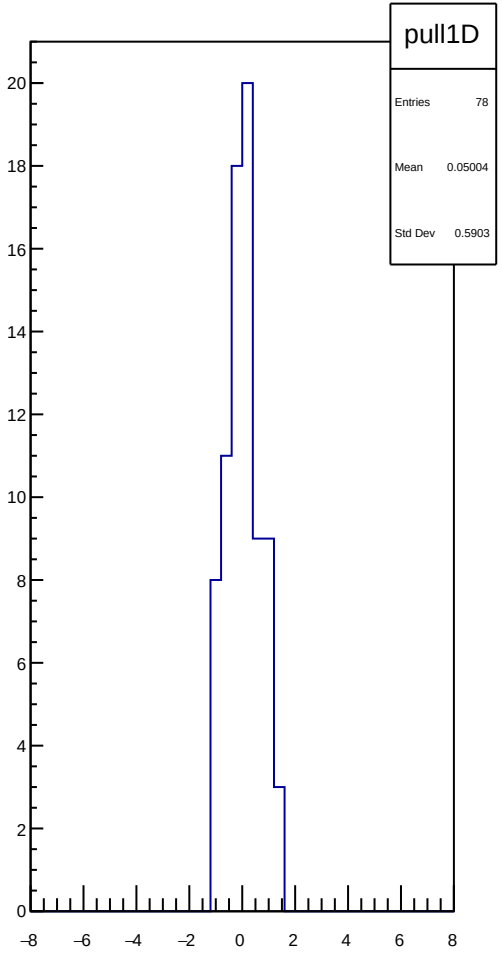

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 55.1 / 77
p0 −232.5 ± 5.68
pull
Entries 78
Mean 177.1
Std Dev 140.2

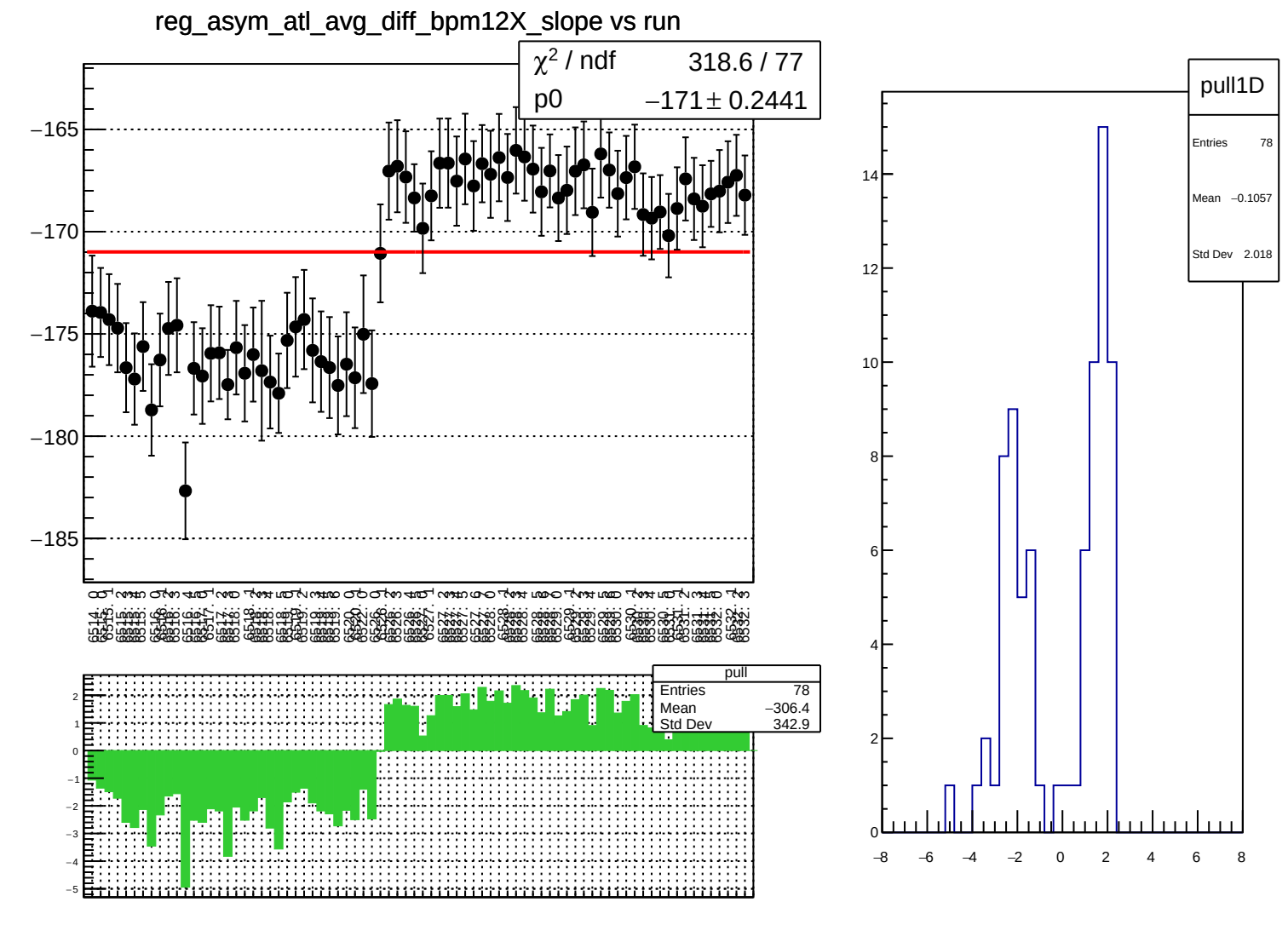

pull1D
Entries 78
Mean −0.07365
Std Dev 0.8372

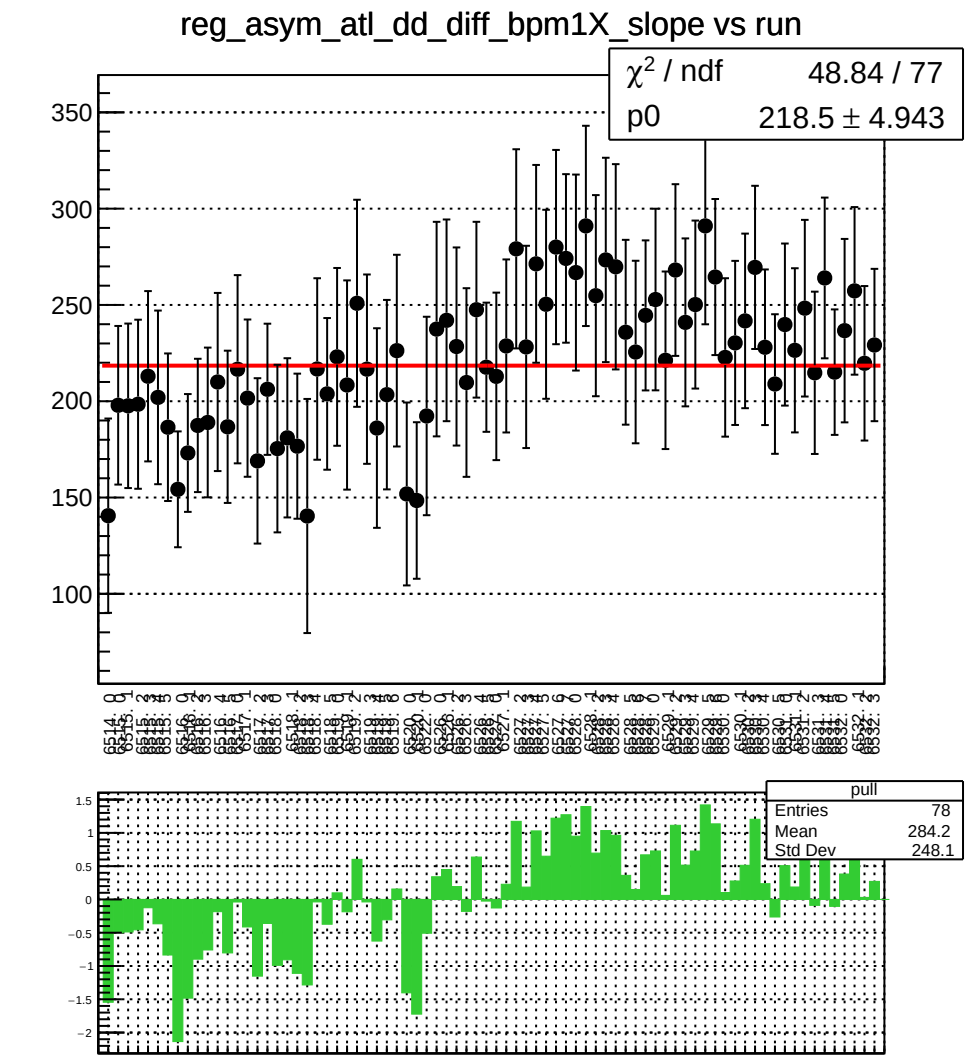

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 29.74 / 77
p0 −20.32 ± 5.641
pull
Entries 78
Mean 96.13
Std Dev 52.28
pull1D
Entries 78
Mean −0.1046
Std Dev 0.6085

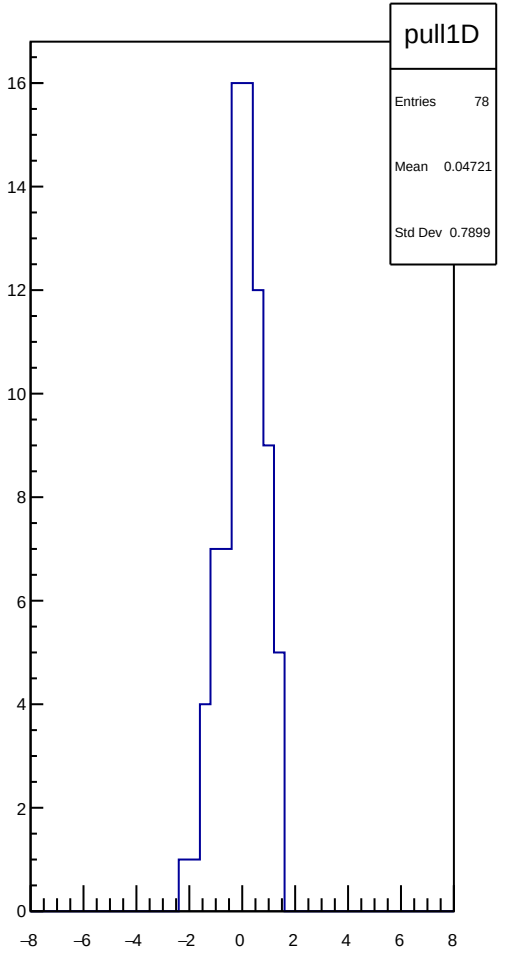

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 51.01 / 77
p0 240.9 ± 6.158
pull
Entries 78
Mean 171.5
Std Dev 134.4
pull1D
Entries 78
Mean 0.07122
Std Dev 0.8056

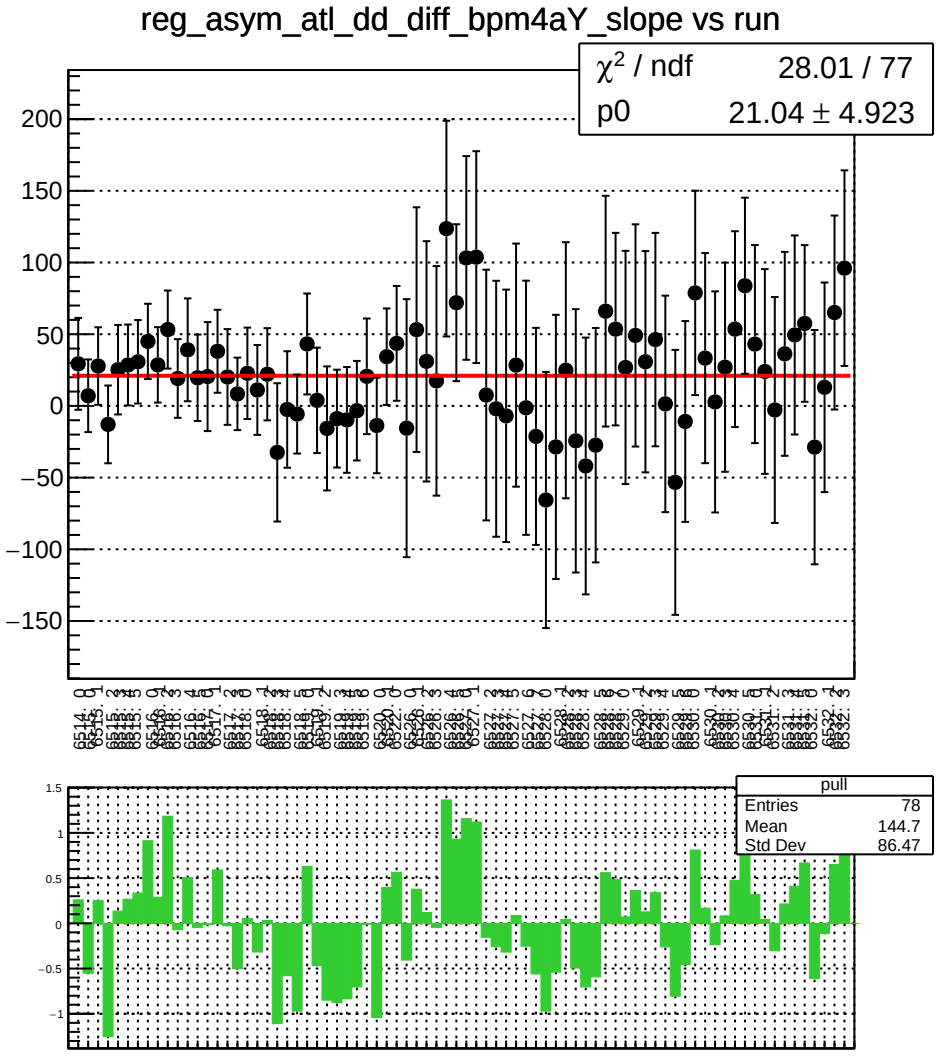

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 27.37 / 77
p0 105.9 ± 6.484
pull
Entries 78
Mean 131.1
Std Dev 89.37

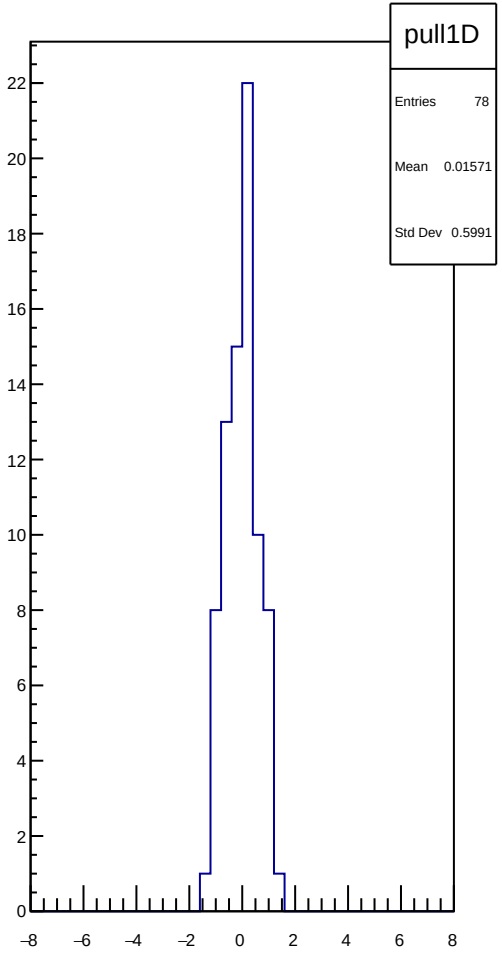

pull1D
Entries 78
Mean 0.05004
Std Dev 0.5903

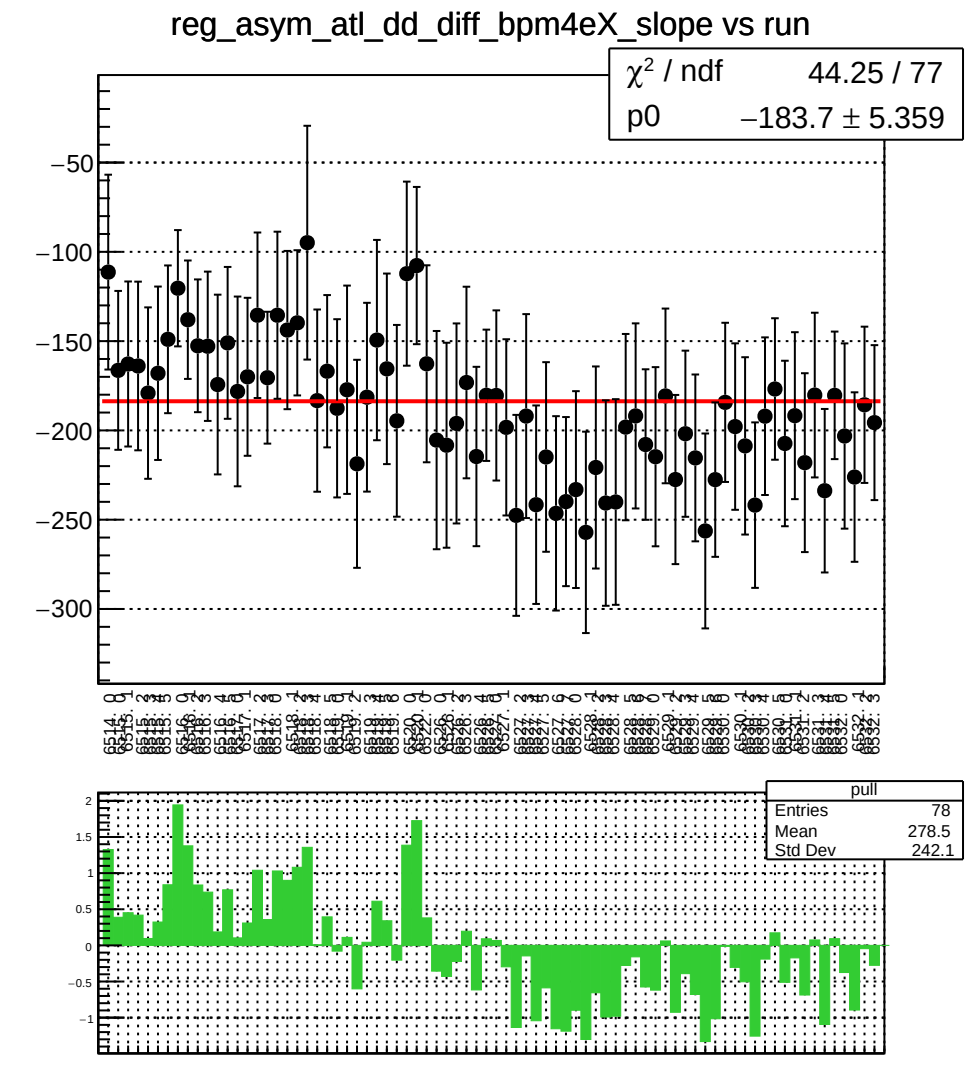

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 318.6 / 77
p0 −171 ± 0.2441
pull
Entries 78
Mean −306.4
Std Dev 342.9
pull1D
Entries 78
Mean −0.1057
Std Dev 2.018

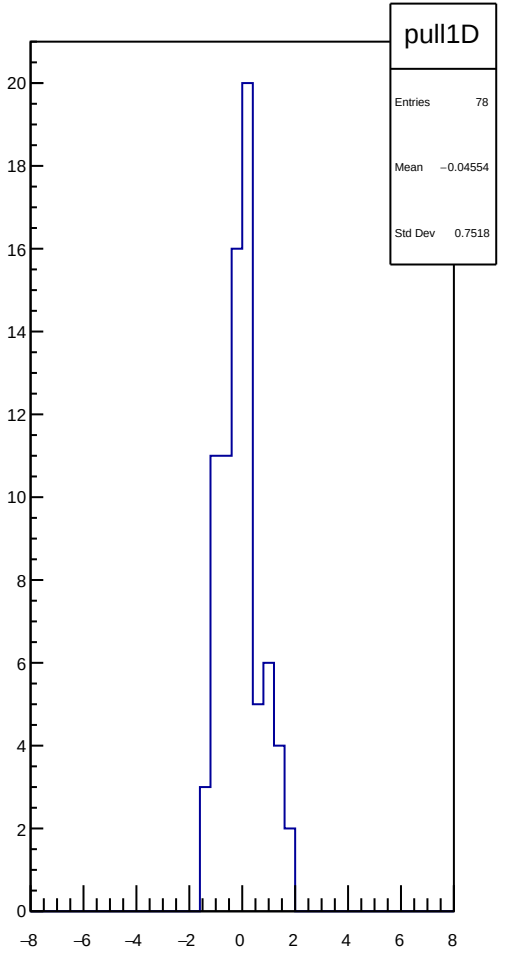

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 48.84 / 77
p0 218.5 ± 4.943
pull
Entries 78
Mean 284.2
Std Dev 248.1

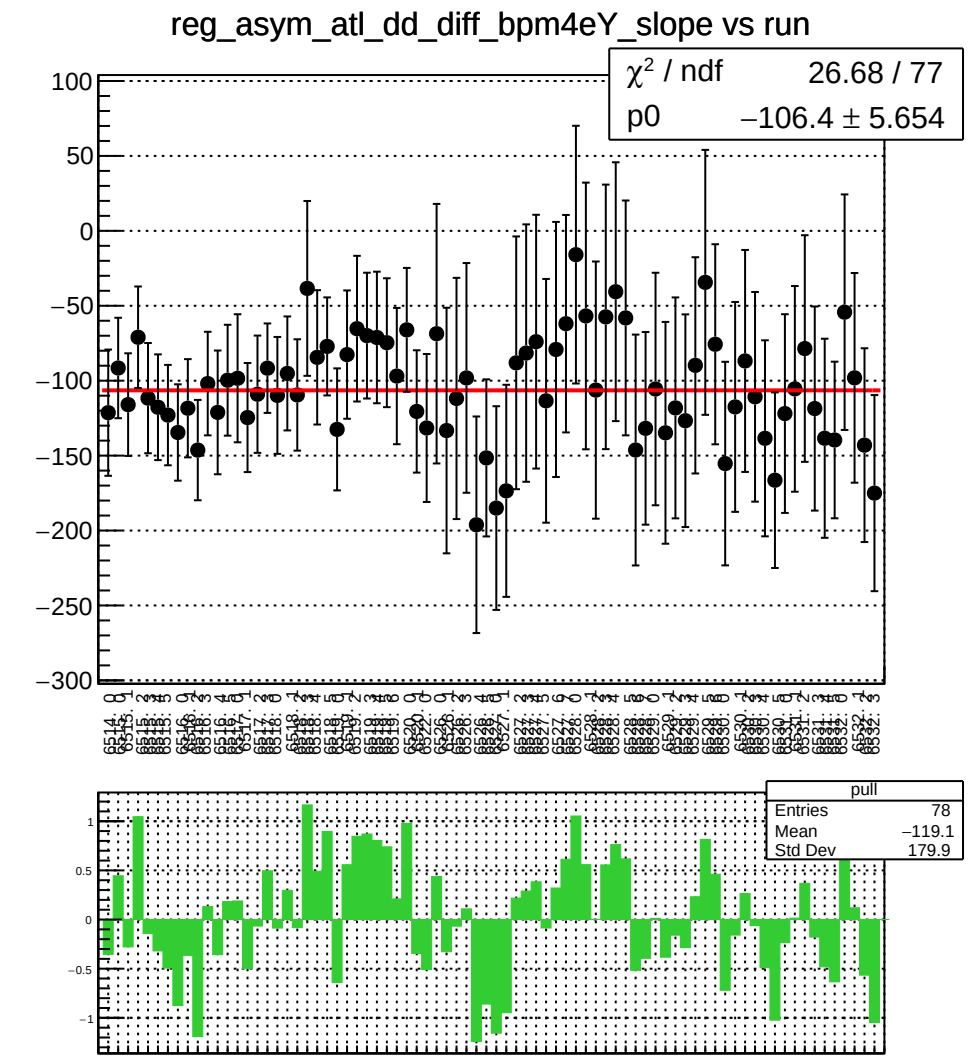

pull1D
Entries 78
Mean 0.04721
Std Dev 0.7899

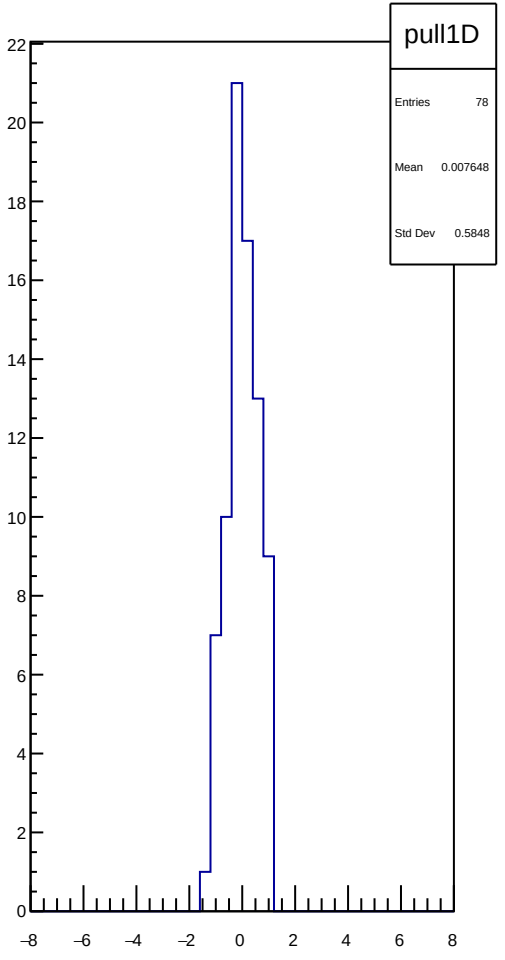

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 28.01 / 77
p0 21.04 ± 4.923
pull
Entries 78
Mean 144.7
Std Dev 86.47

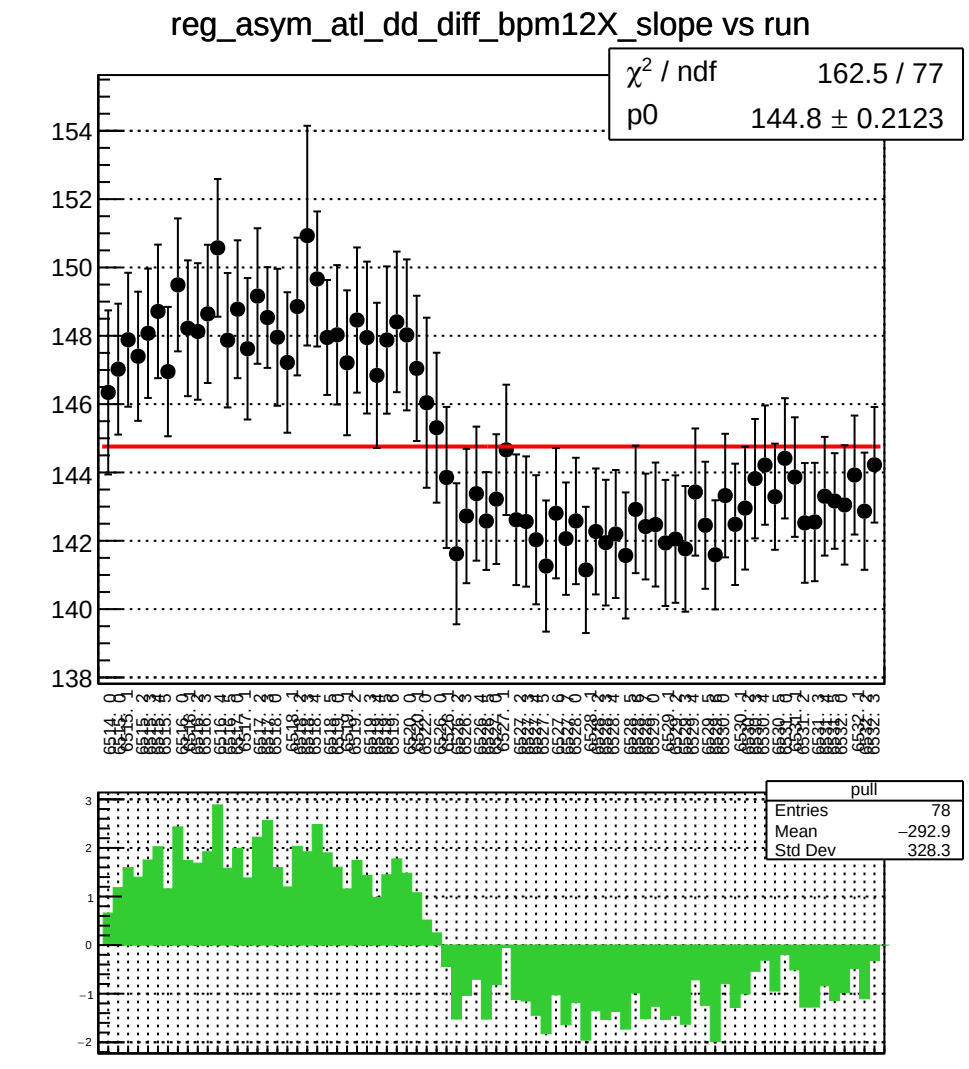

pull1D
Entries 78
Mean 0.01571
Std Dev 0.5991

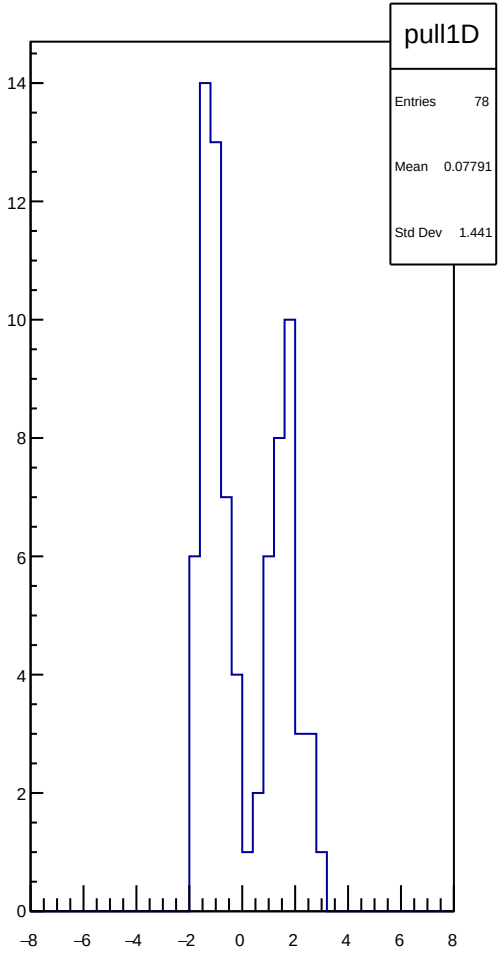

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 44.25 / 77
p0 −183.7 ± 5.359
pull
Entries 78
Mean 278.5
Std Dev 242.1

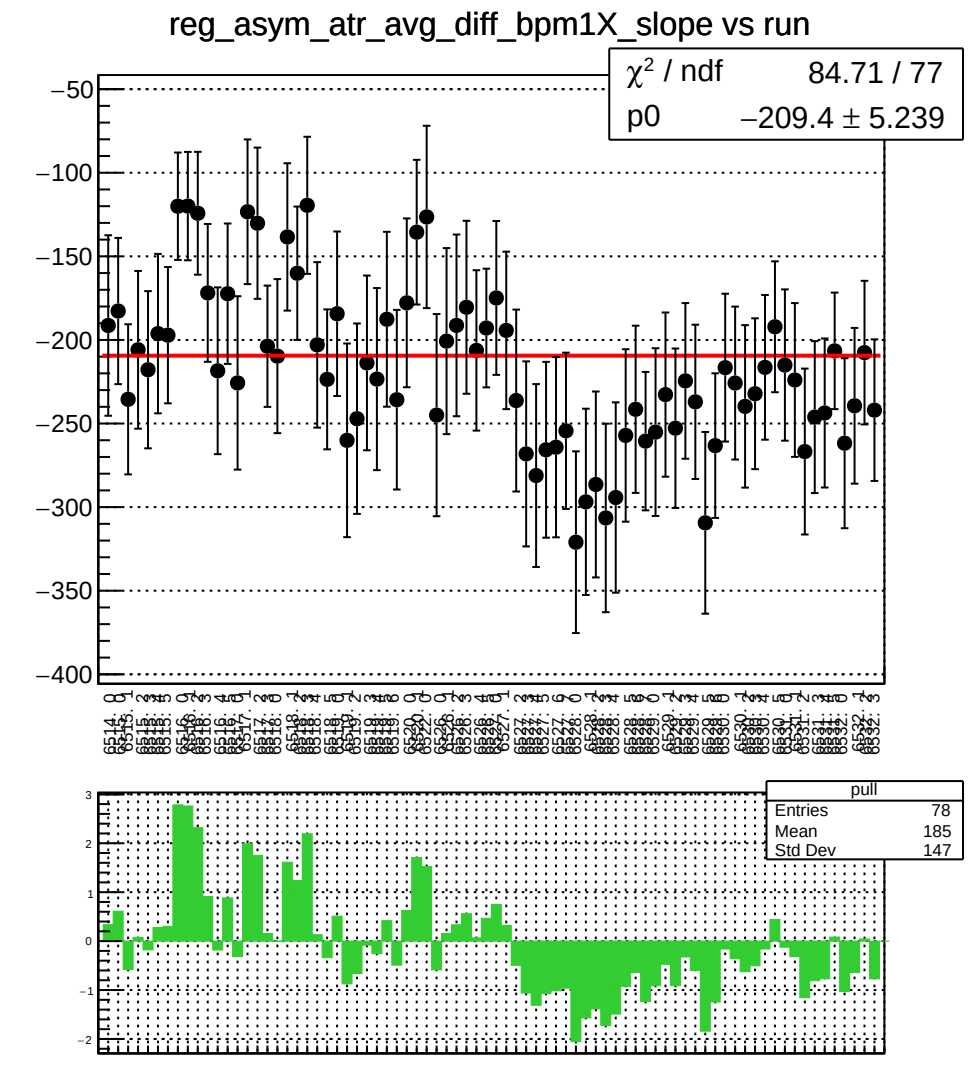

pull1D
Entries 78
Mean −0.04554
Std Dev 0.7518

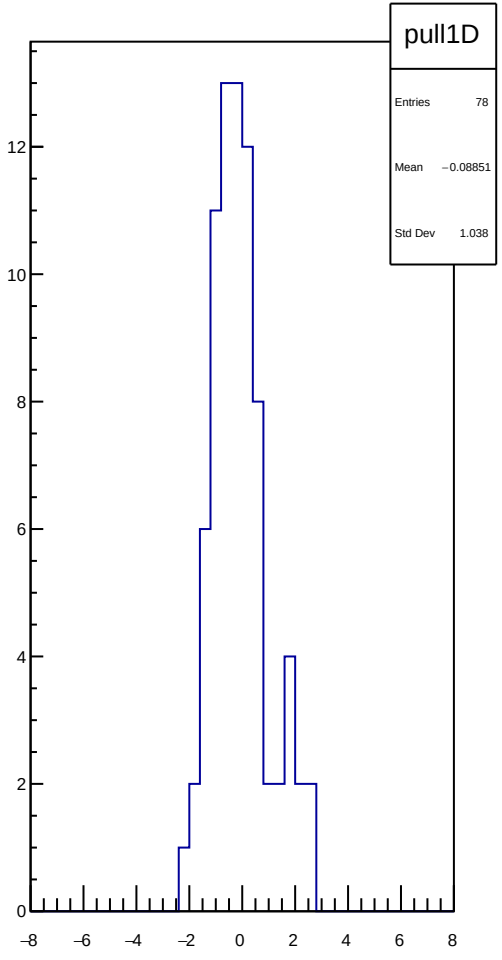

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 26.68 / 77
p0 −106.4 ± 5.654
pull
Entries 78
Mean −119.1
Std Dev 179.9

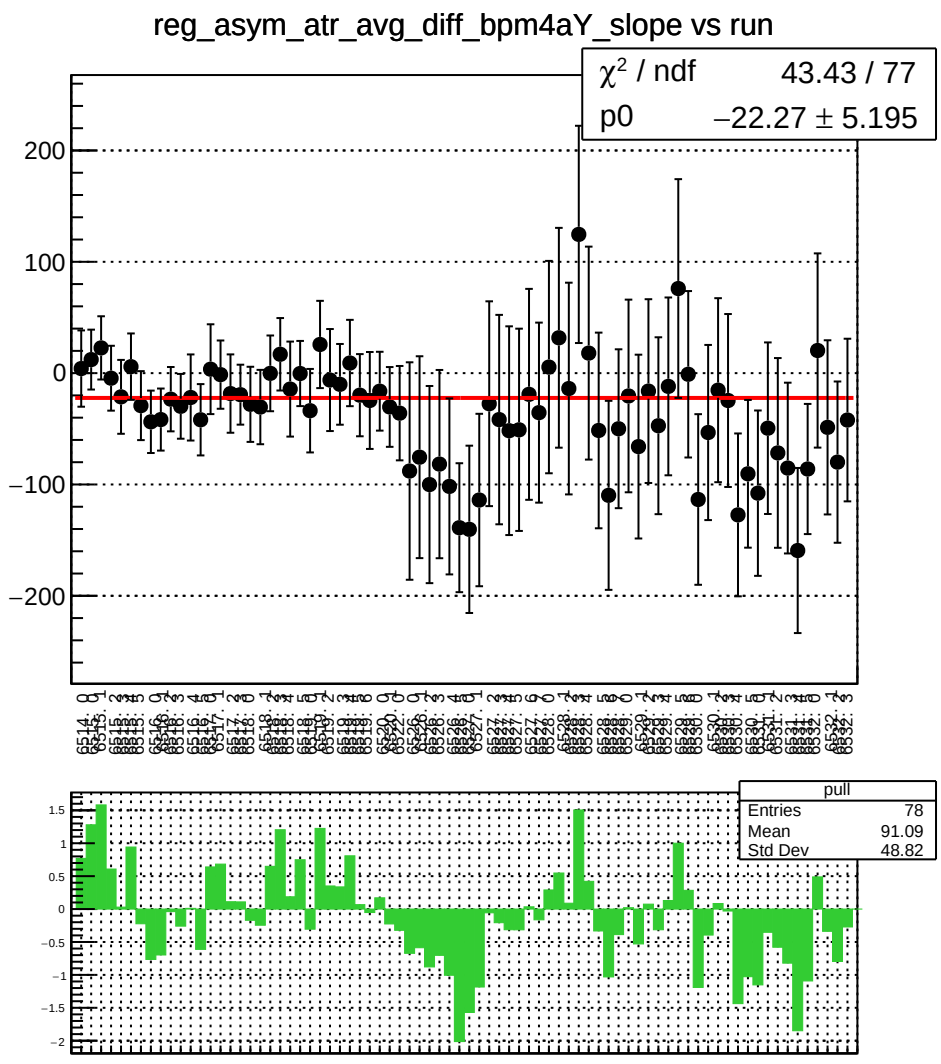

pull1D
Entries 78
Mean 0.007648
Std Dev 0.5848

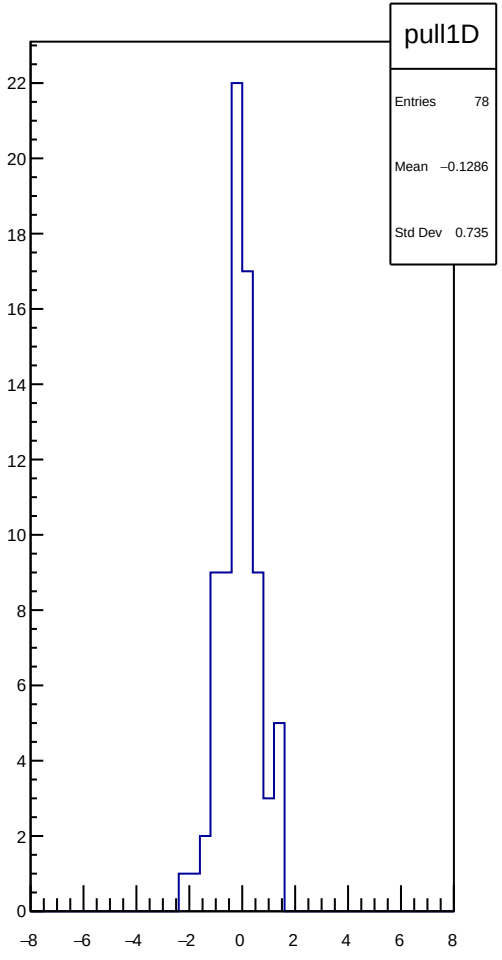

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 162.5 / 77
p0 144.8 ± 0.2123
pull
Entries 78
Mean −292.9
Std Dev 328.3

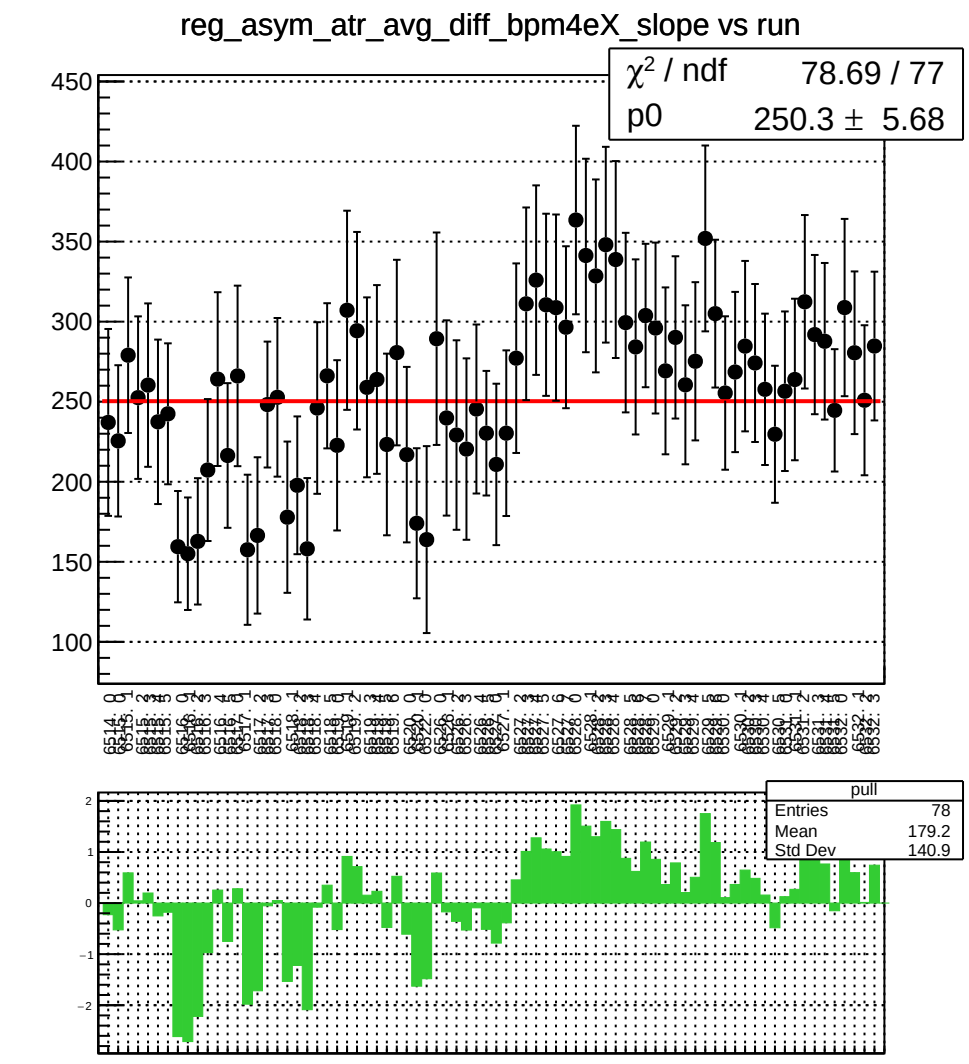

pull1D
Entries 78
Mean 0.07791
Std Dev 1.441

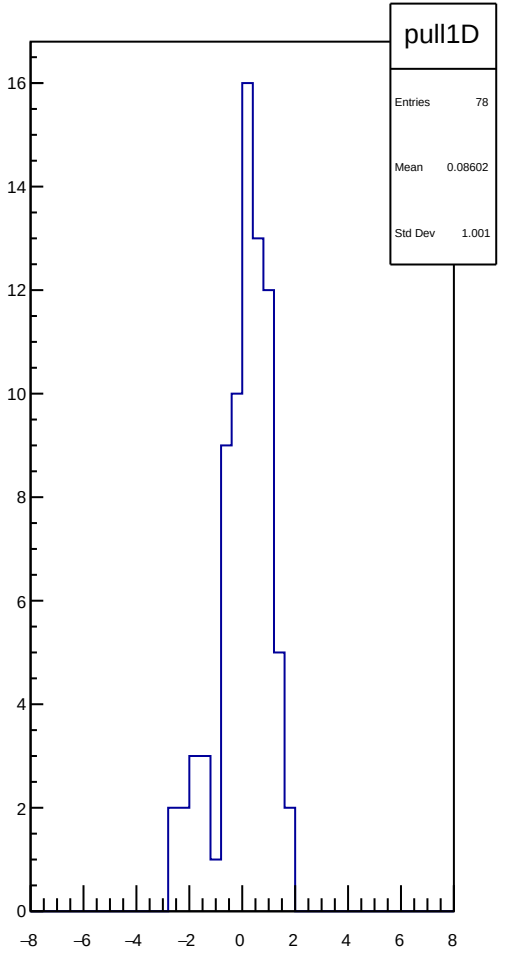

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 84.71 / 77
p0 −209.4 ± 5.239
pull
Entries 78
Mean 185
Std Dev 147

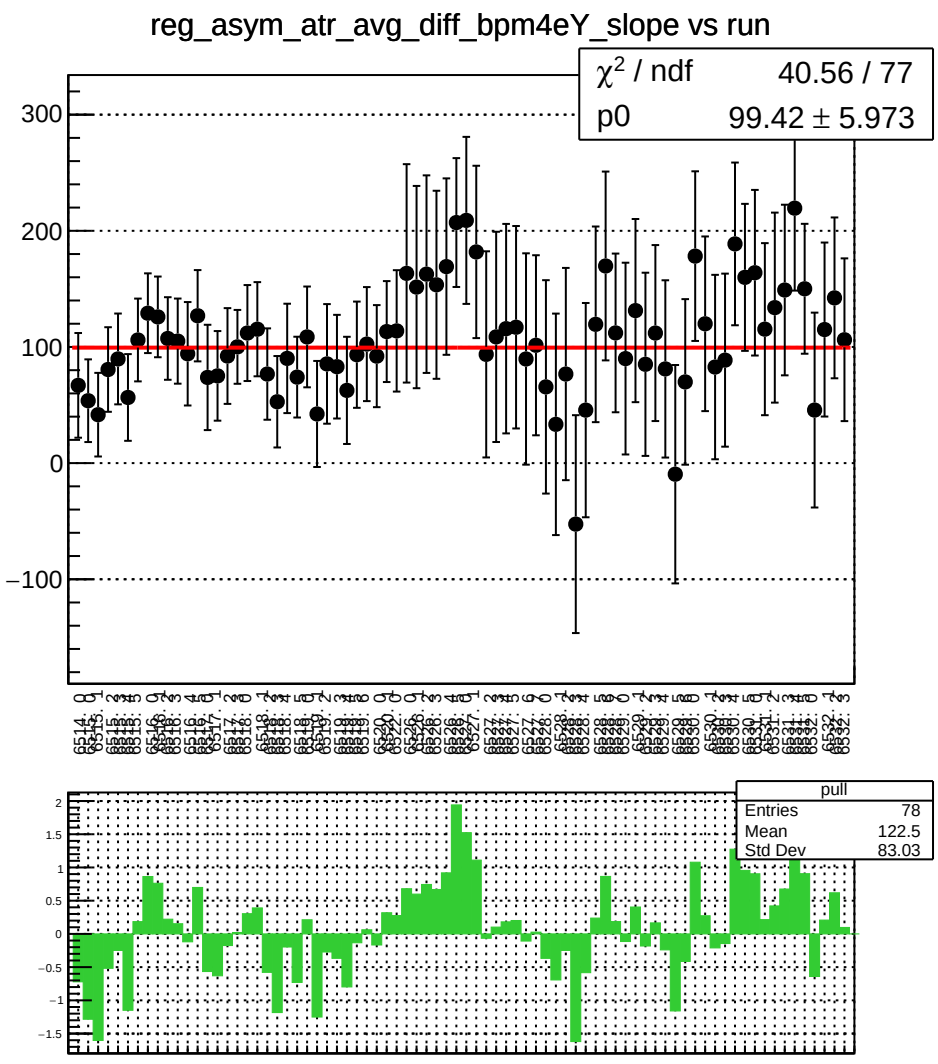

pull1D
Entries 78
Mean −0.08851
Std Dev 1.038

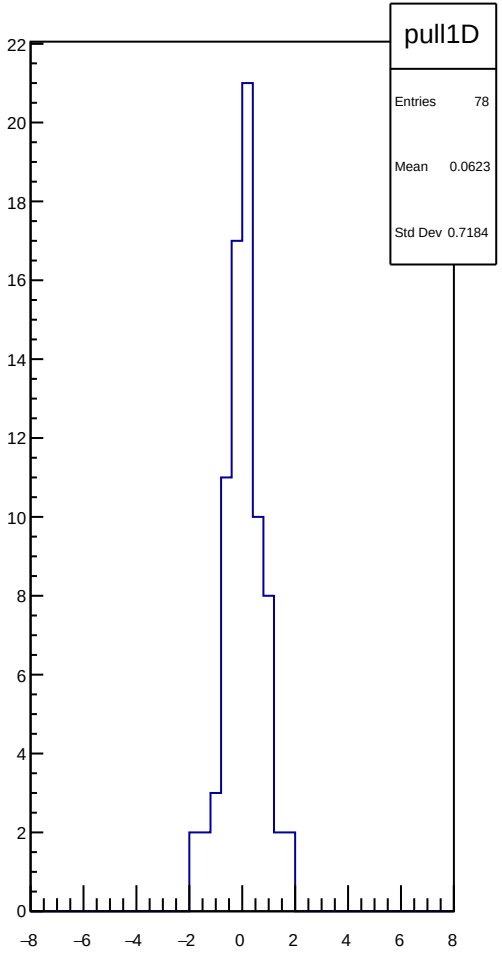

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 43.43 / 77
p0 −22.27 ± 5.195
pull
Entries 78
Mean 91.09
Std Dev 48.82

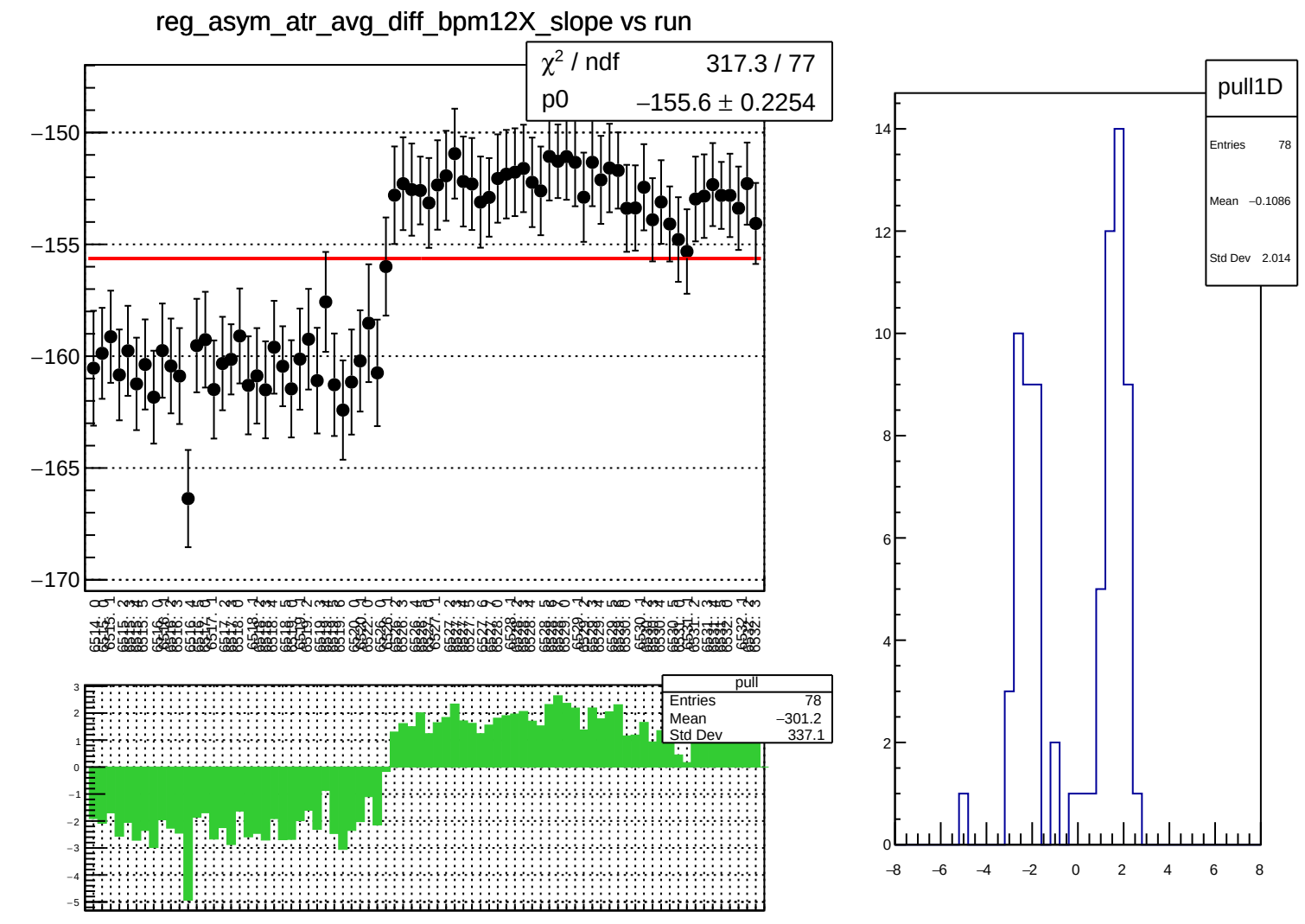

pull1D
Entries 78
Mean −0.1286
Std Dev 0.735

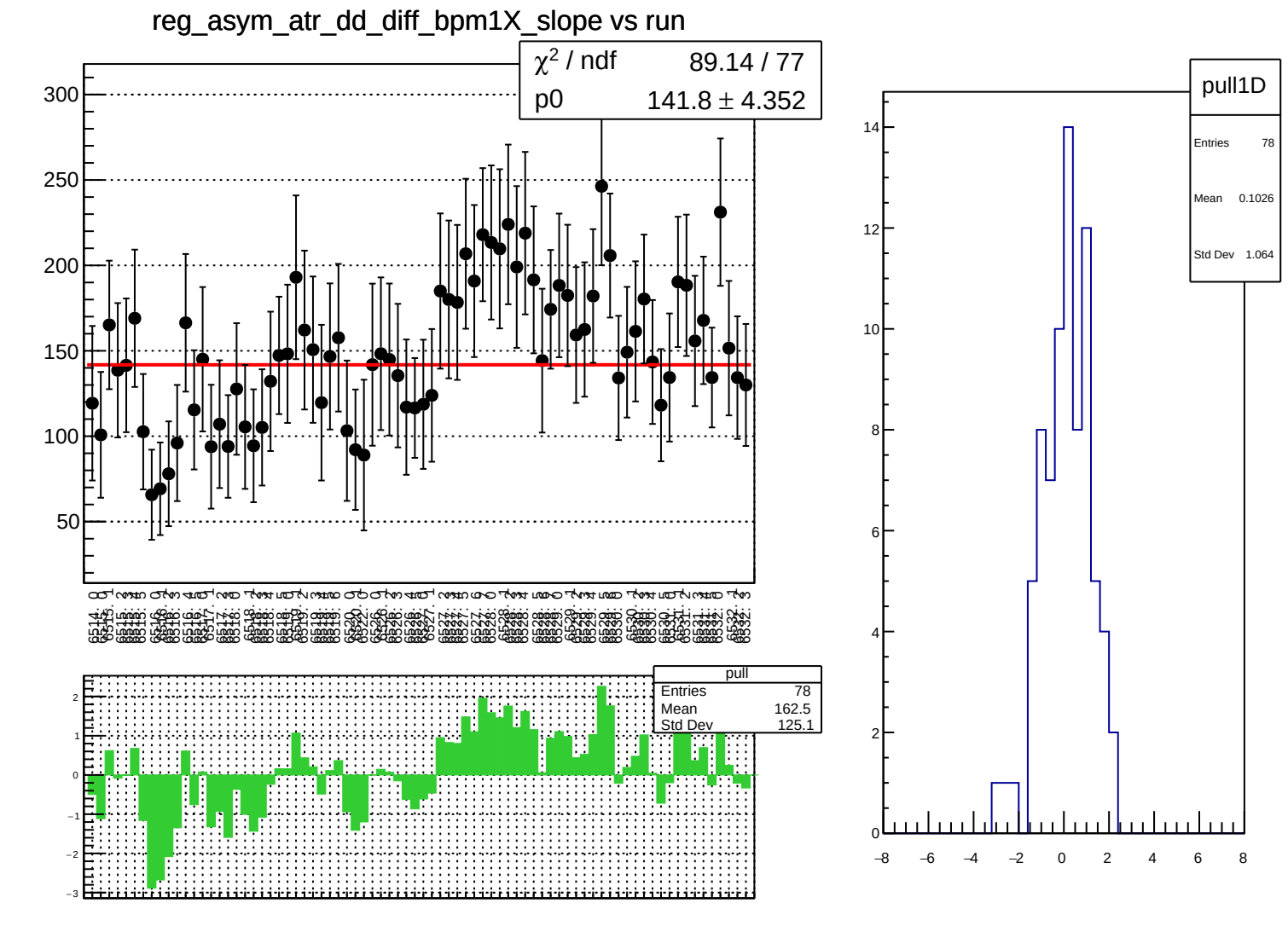

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 78.69 / 77
p0 250.3 ± 5.68
pull
Entries 78
Mean 179.2
Std Dev 140.9

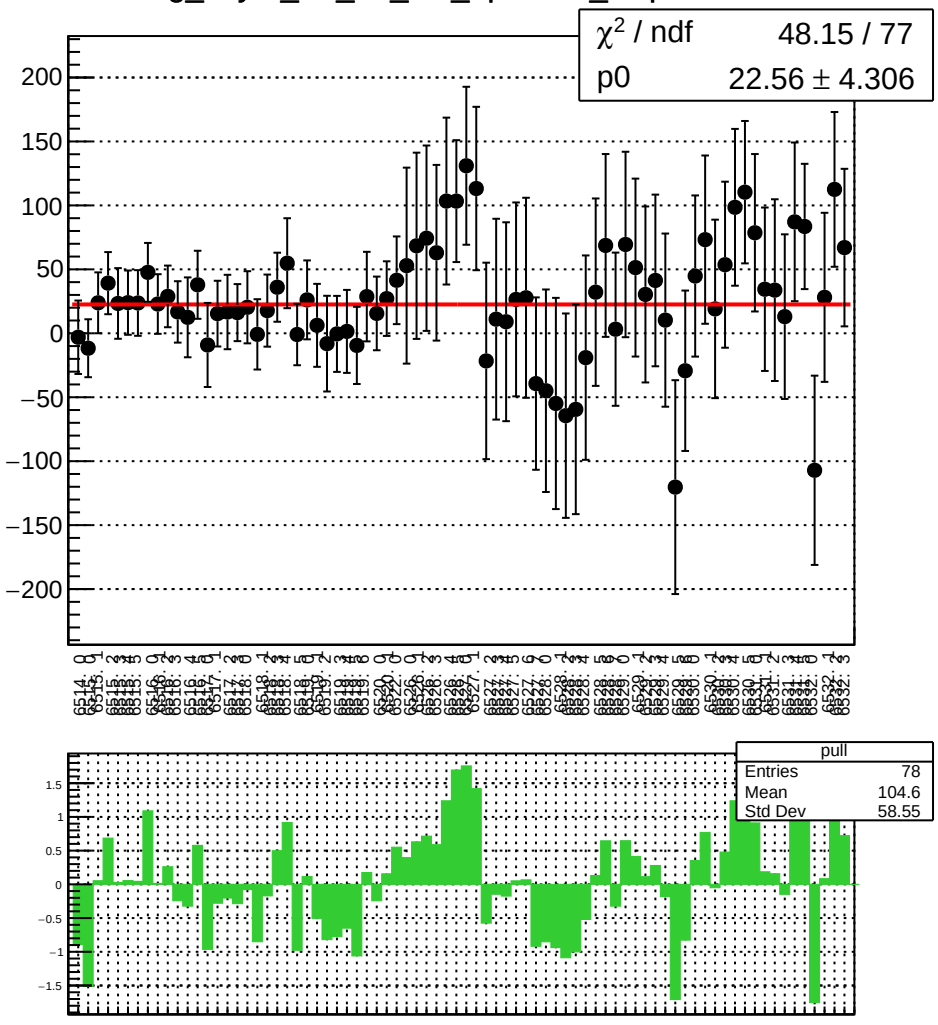

pull1D
Entries 78
Mean 0.08602
Std Dev 1.001

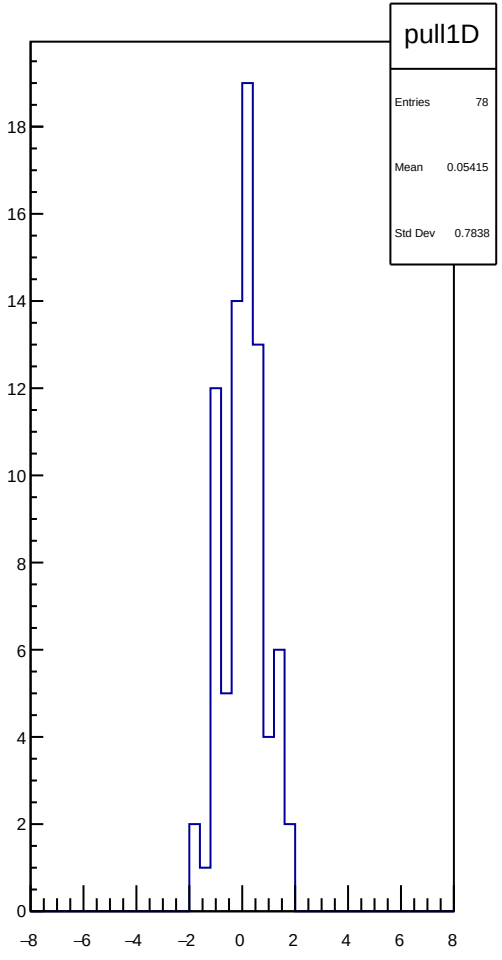

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 40.56 / 77
p0 99.42 ± 5.973
pull
Entries 78
Mean 122.5
Std Dev 83.03

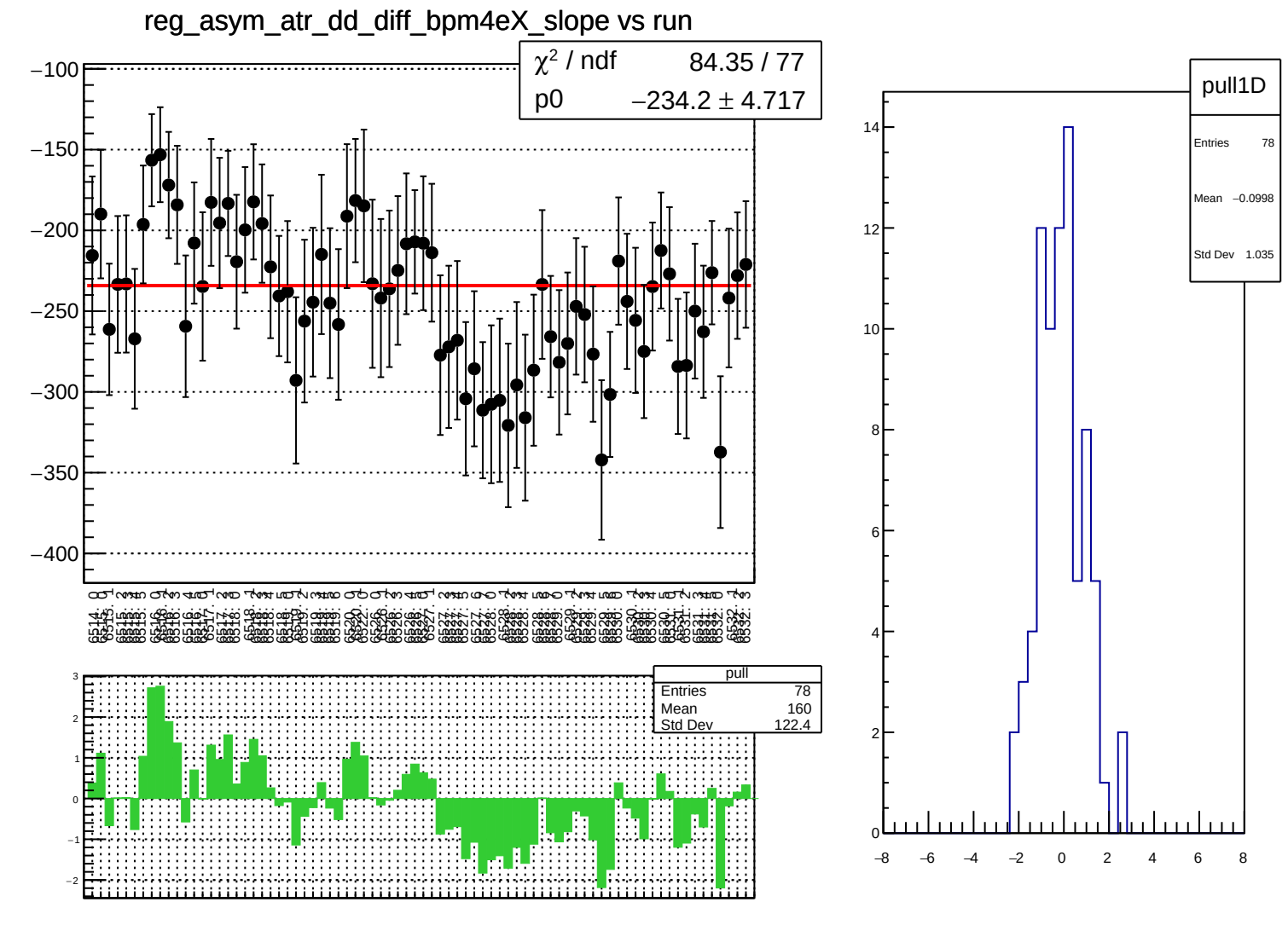

pull1D
Entries 78
Mean 0.0623
Std Dev 0.7184

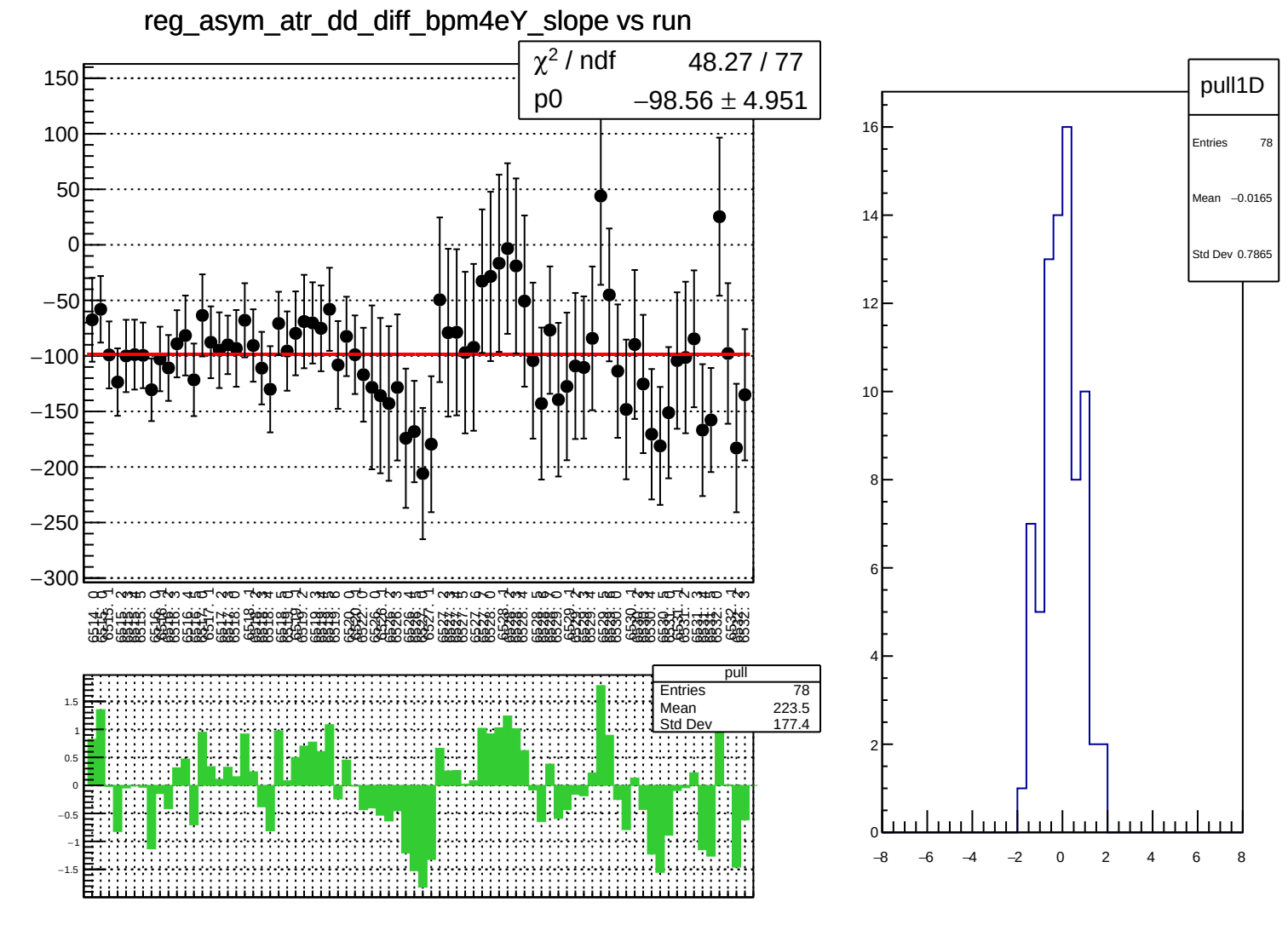

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 317.3 / 77
p0 −155.6 ± 0.2254
−150
−155
−160
−165
−170
pull
Entries 78
Mean −301.2
Std Dev 337.1
3
2
1
0
−1
−2
−3
−4
−5
pull1D
Entries 78
Mean −0.1086
Std Dev 2.014
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

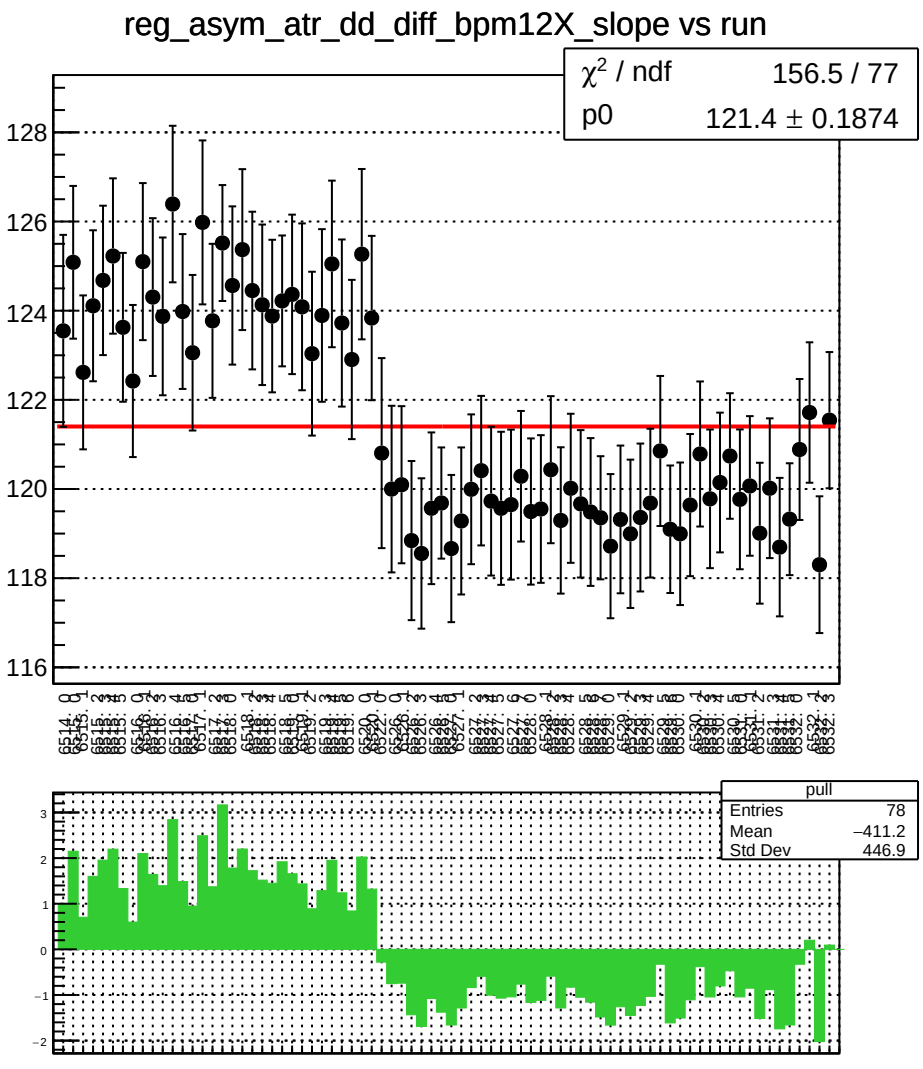

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 89.14 / 77
p0 141.8 ± 4.352
pull
Entries 78
Mean 162.5
Std Dev 125.1
pull1D
Entries 78
Mean 0.1026
Std Dev 1.064

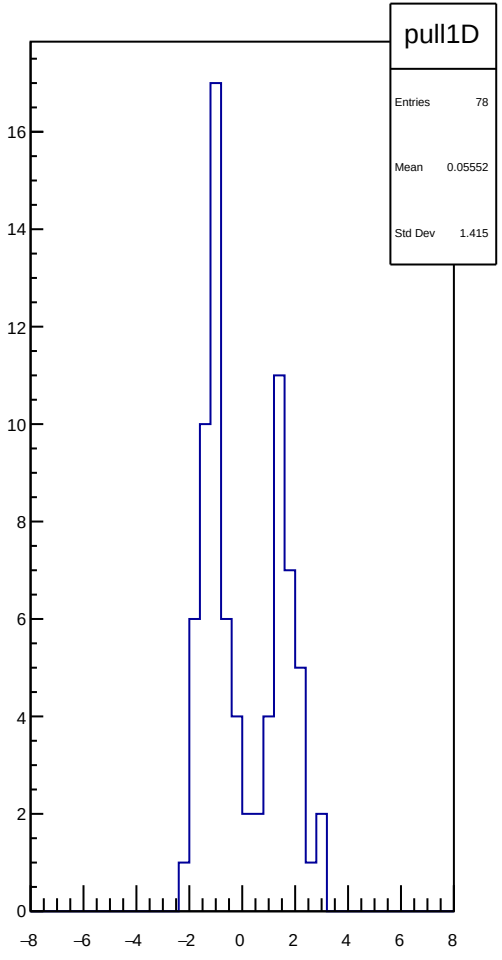

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 48.15 / 77
p0 22.56 ± 4.306
pull
Entries 78
Mean 104.6
Std Dev 58.55

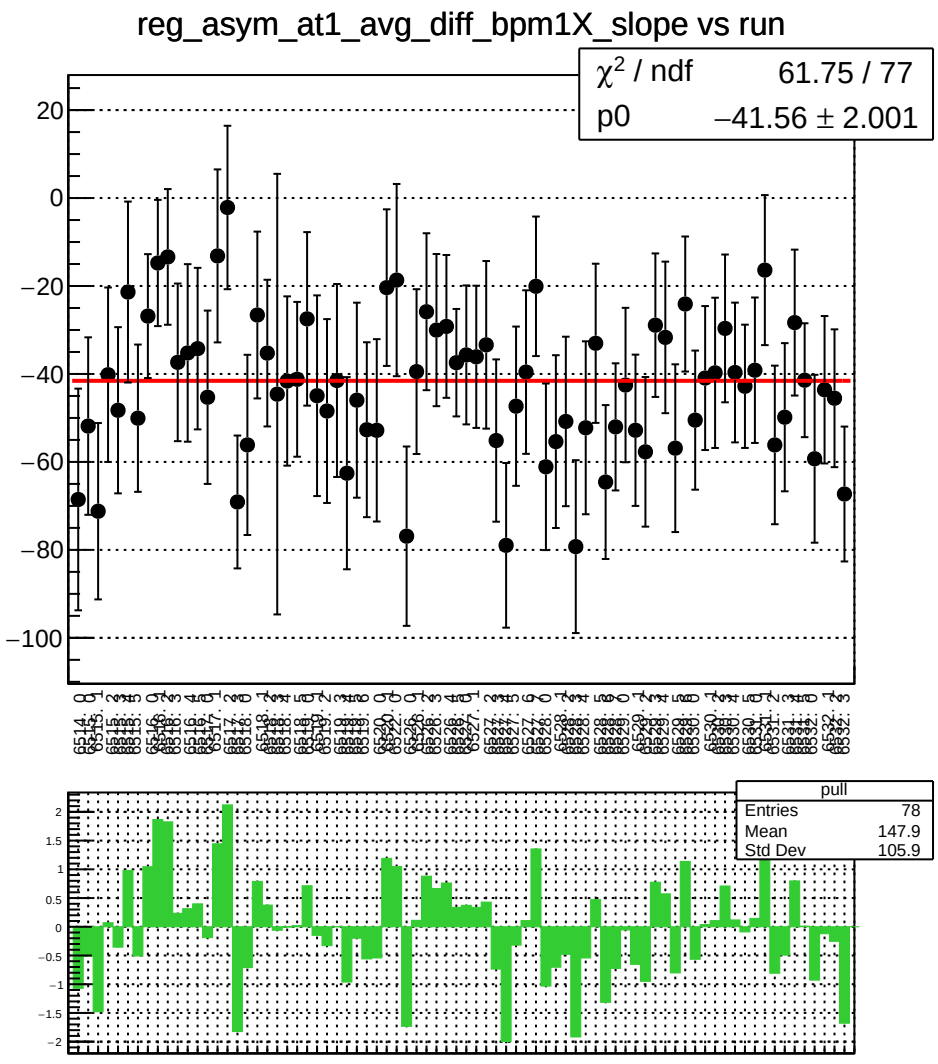

pull1D
Entries 78
Mean 0.05415
Std Dev 0.7838

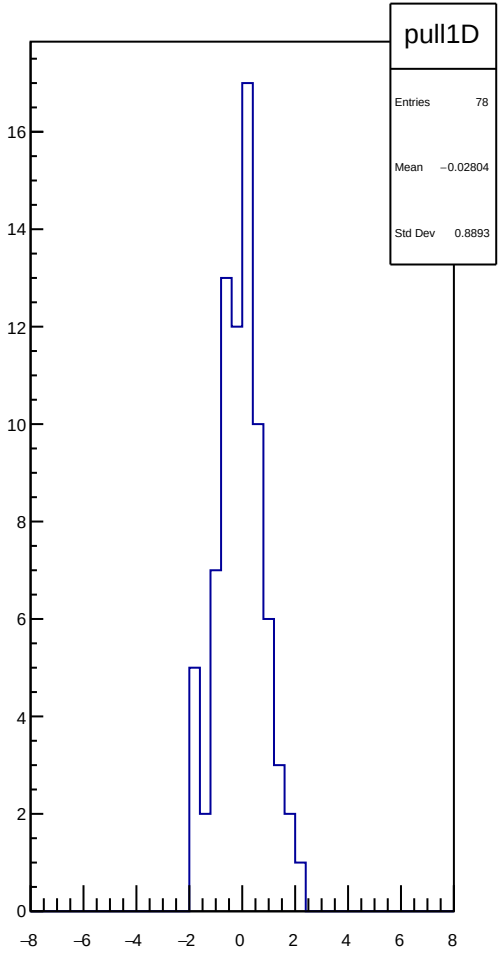

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 84.35 / 77
p0 −234.2 ± 4.717
pull
Entries 78
Mean 160
Std Dev 122.4
pull1D
Entries 78
Mean −0.0998
Std Dev 1.035

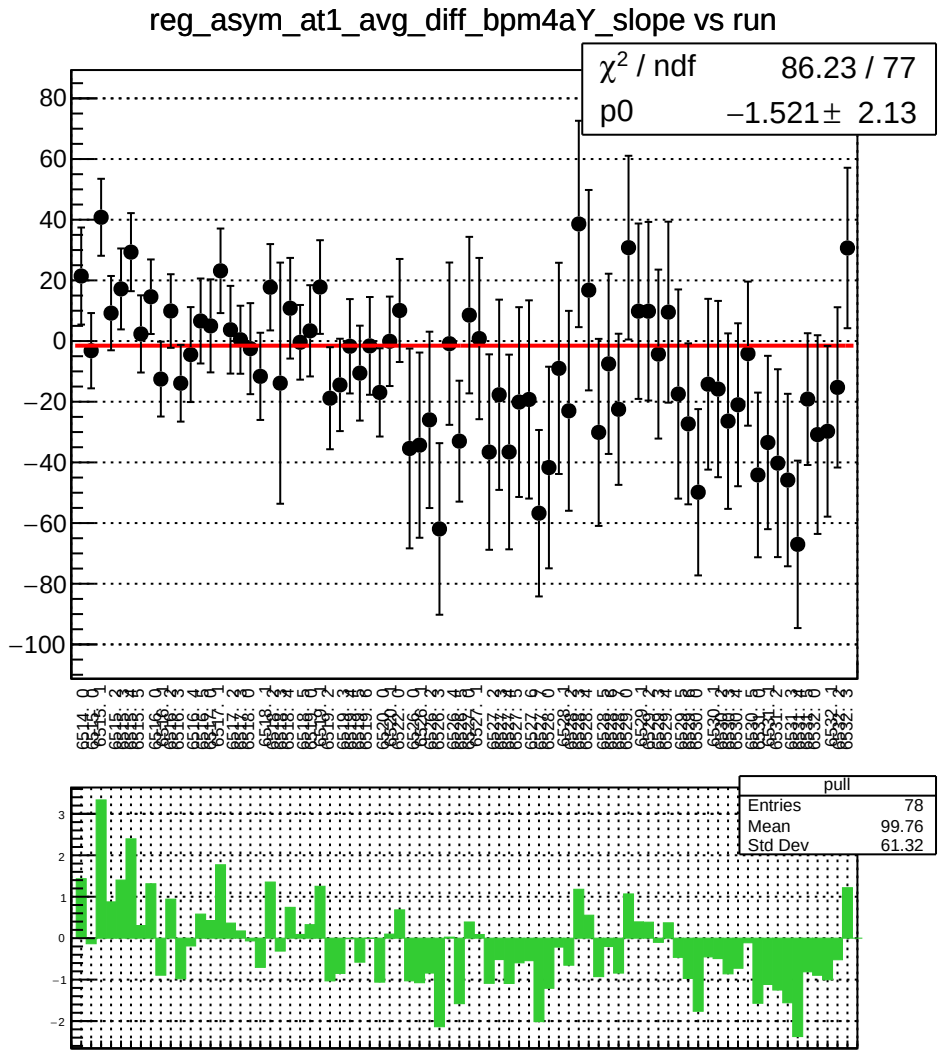

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 48.27 / 77
p0 −98.56 ± 4.951
pull
Entries 78
Mean 223.5
Std Dev 177.4
pull1D
Entries 78
Mean −0.0165
Std Dev 0.7865

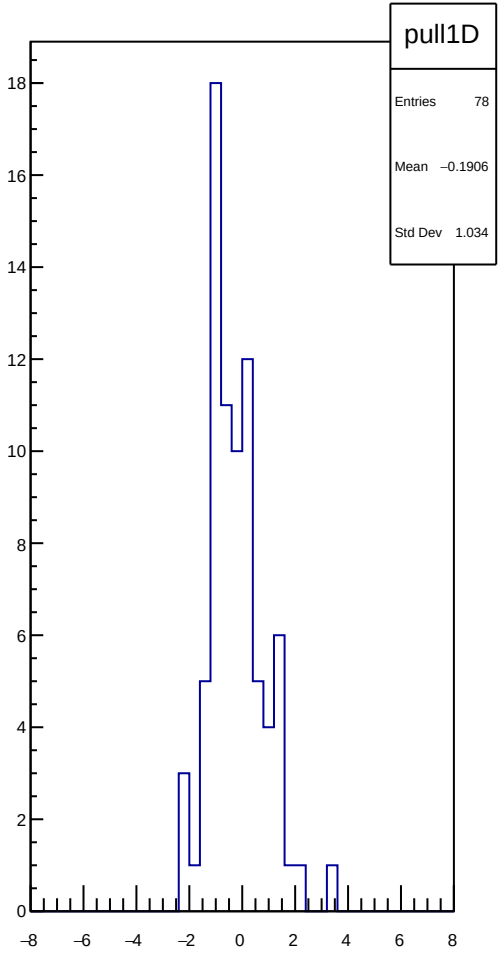

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 156.5 / 77
p0 121.4 ± 0.1874
pull
Entries 78
Mean −411.2
Std Dev 446.9

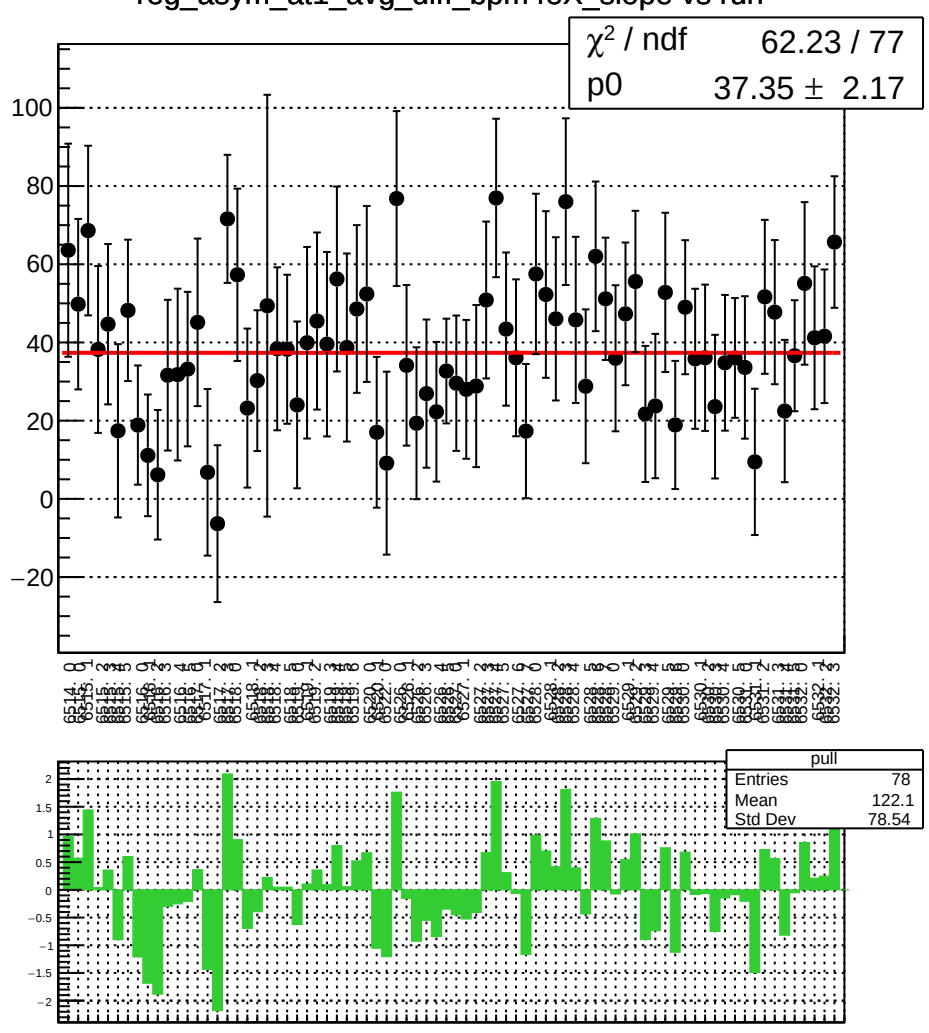

pull1D
Entries 78
Mean 0.05552
Std Dev 1.415

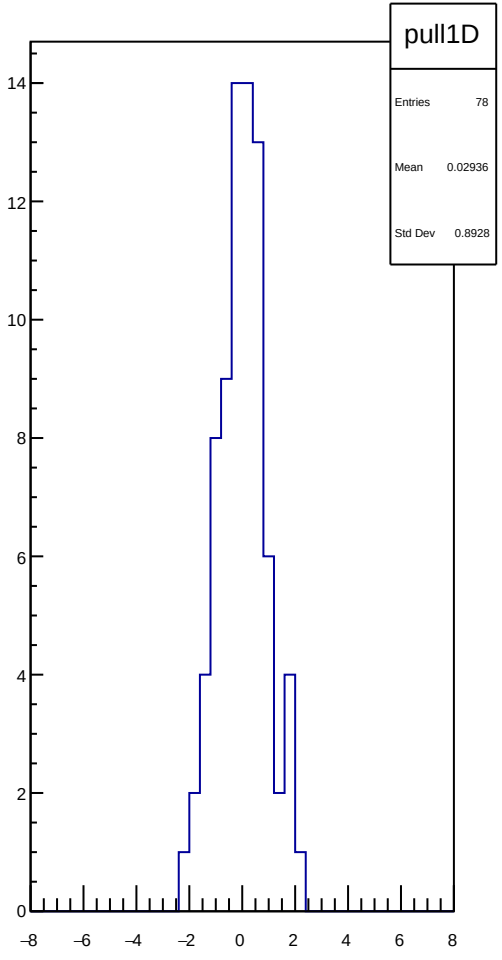

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 61.75 / 77
p0 −41.56 ± 2.001
pull
Entries 78
Mean 147.9
Std Dev 105.9

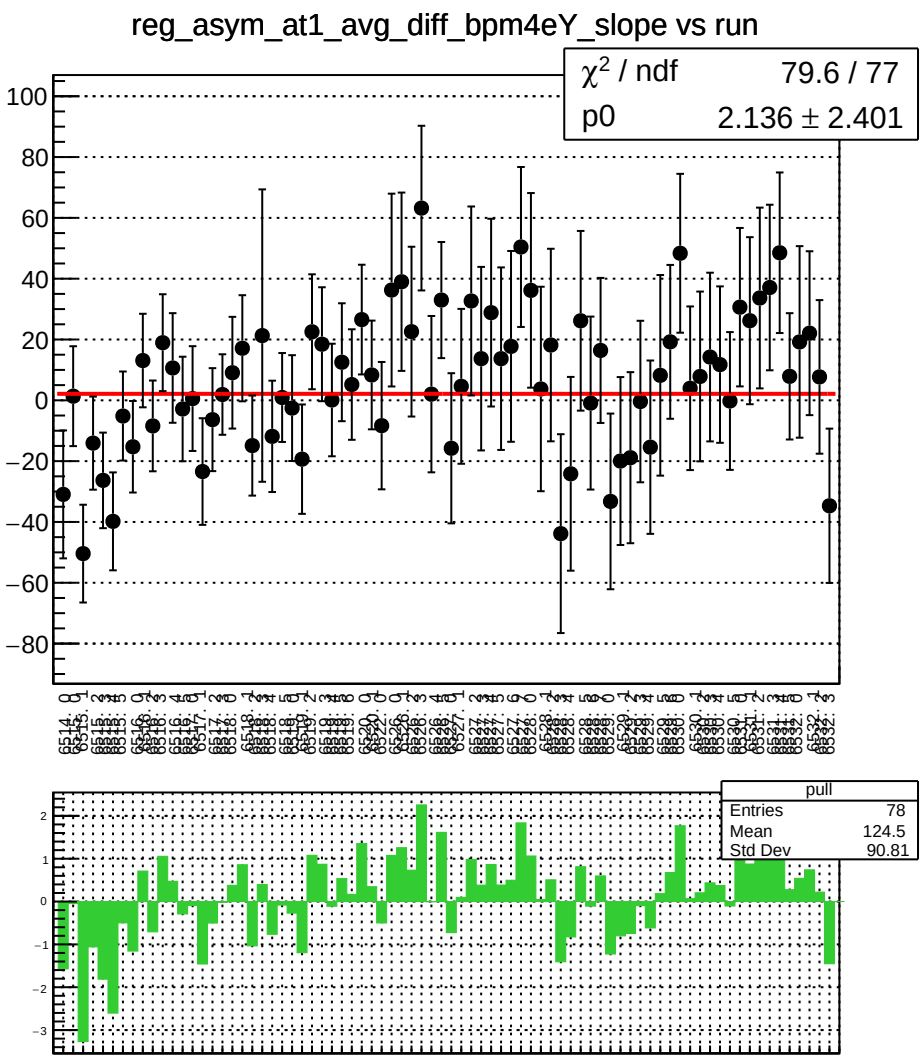

pull1D
Entries 78
Mean −0.02804
Std Dev 0.8893

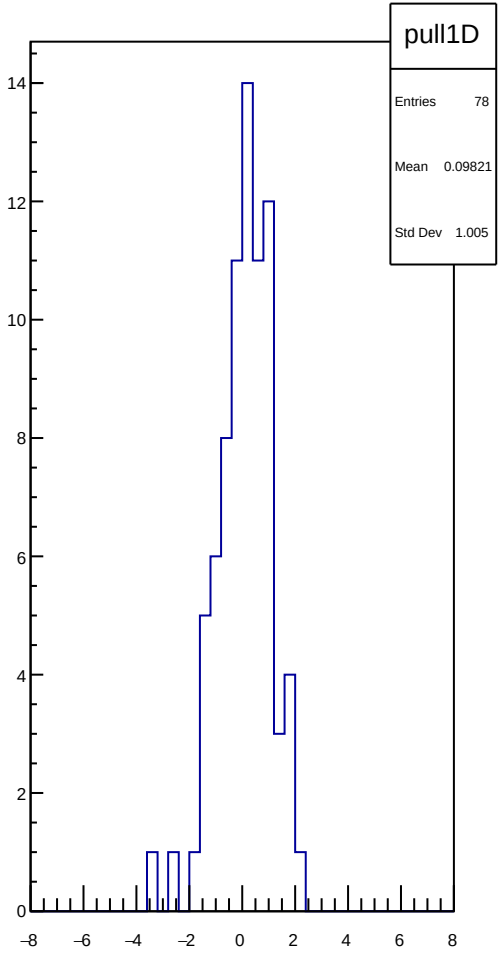

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 86.23 / 77
p0 −1.521 ± 2.13
pull
Entries 78
Mean 99.76
Std Dev 61.32

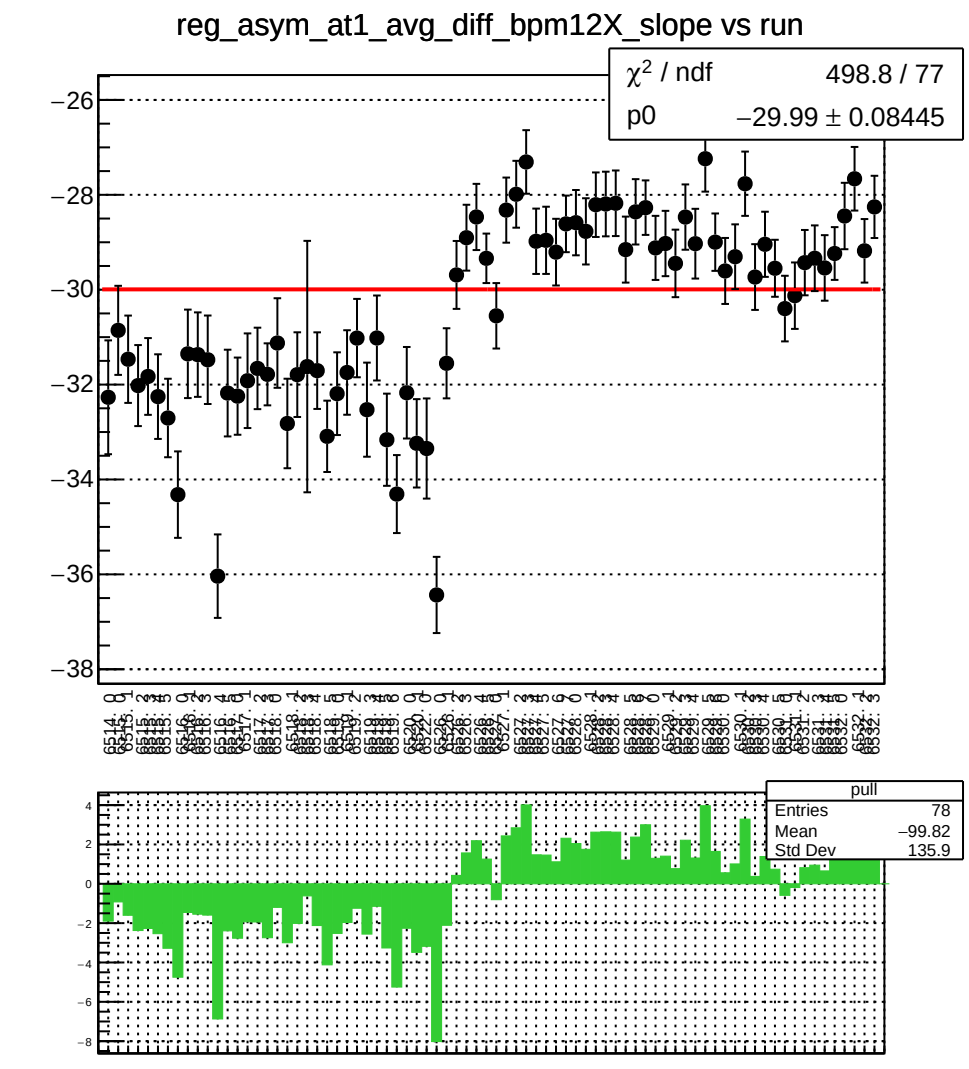

pull1D
Entries 78
Mean −0.1906
Std Dev 1.034

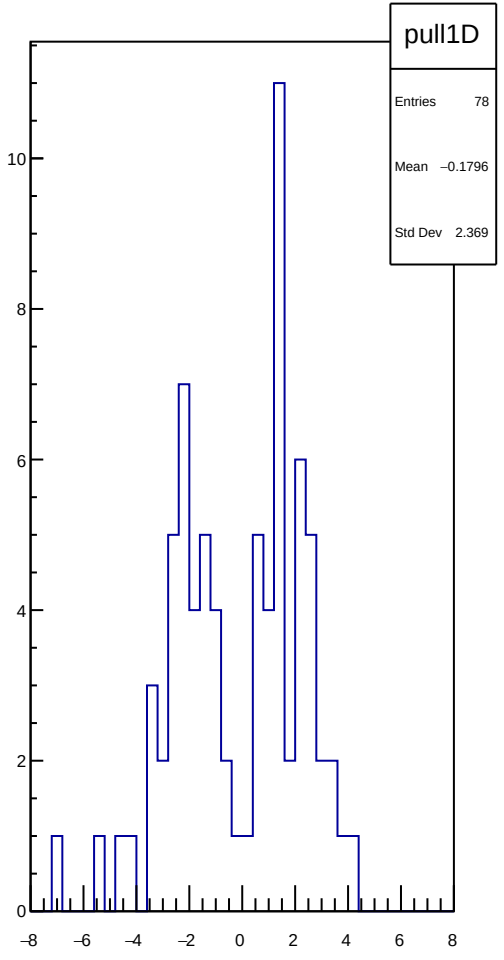

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 62.23 / 77
p0 37.35 ± 2.17
pull
Entries 78
Mean 122.1
Std Dev 78.54

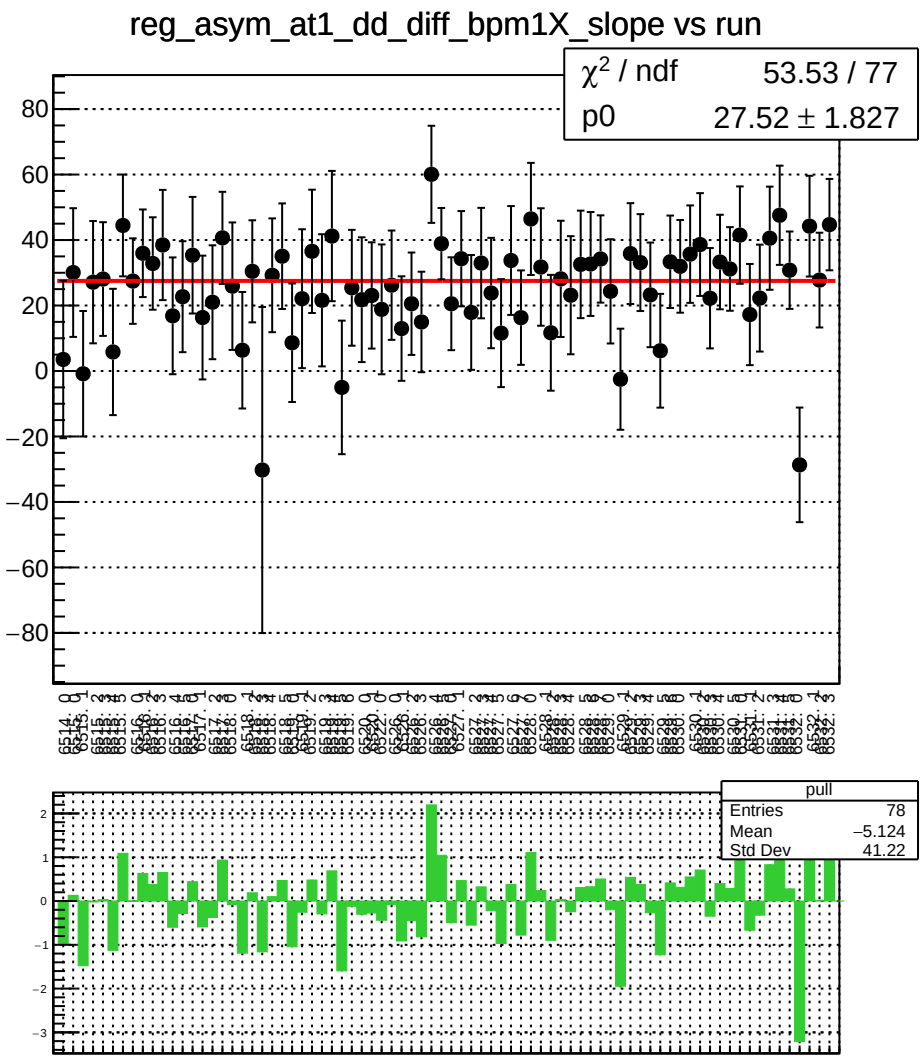

pull1D
Entries 78
Mean 0.02936
Std Dev 0.8928

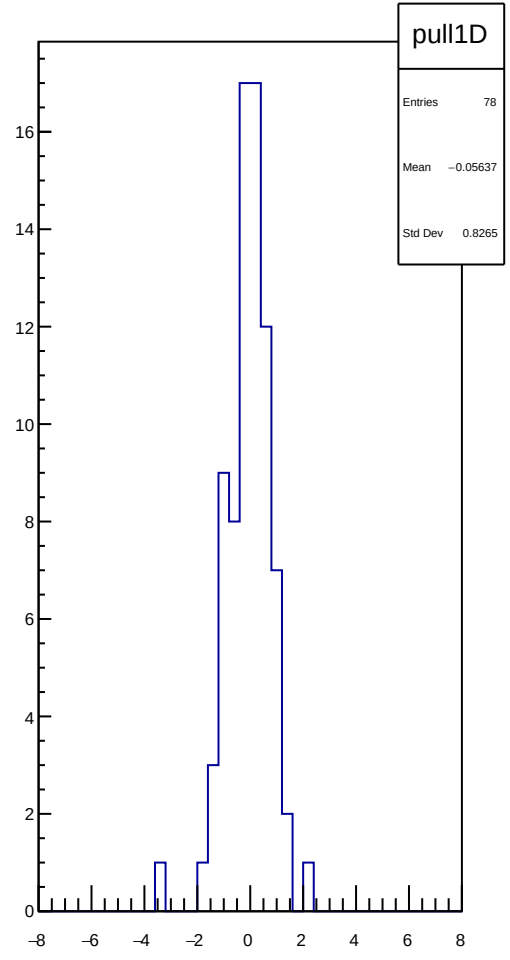

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 79.6 / 77
p0 2.136 ± 2.401
pull
Entries 78
Mean 124.5
Std Dev 90.81

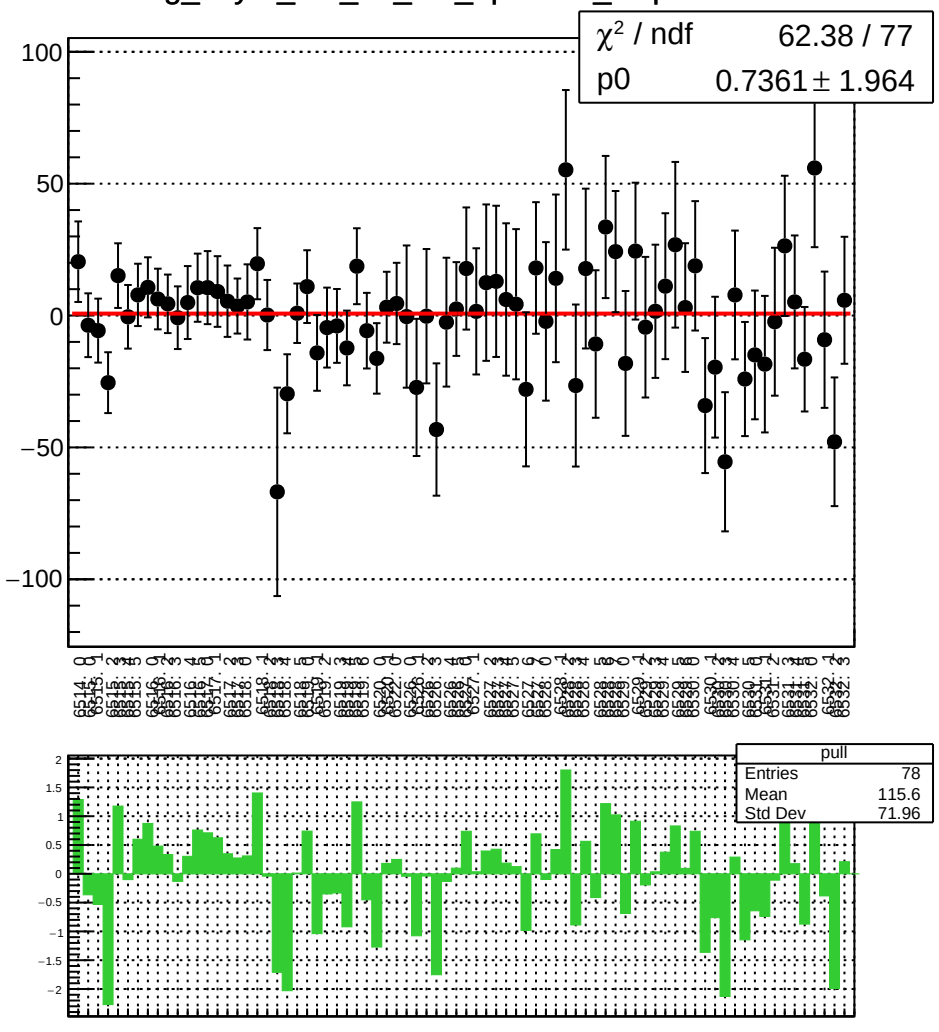

pull1D
Entries 78
Mean 0.09821
Std Dev 1.005

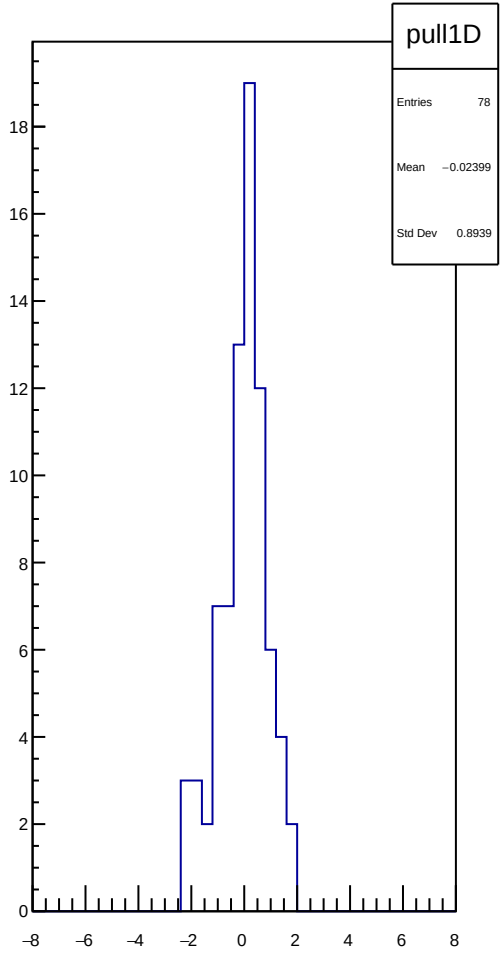

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 498.8 / 77
p0 −29.99 ± 0.08445
pull
Entries 78
Mean −99.82
Std Dev 135.9

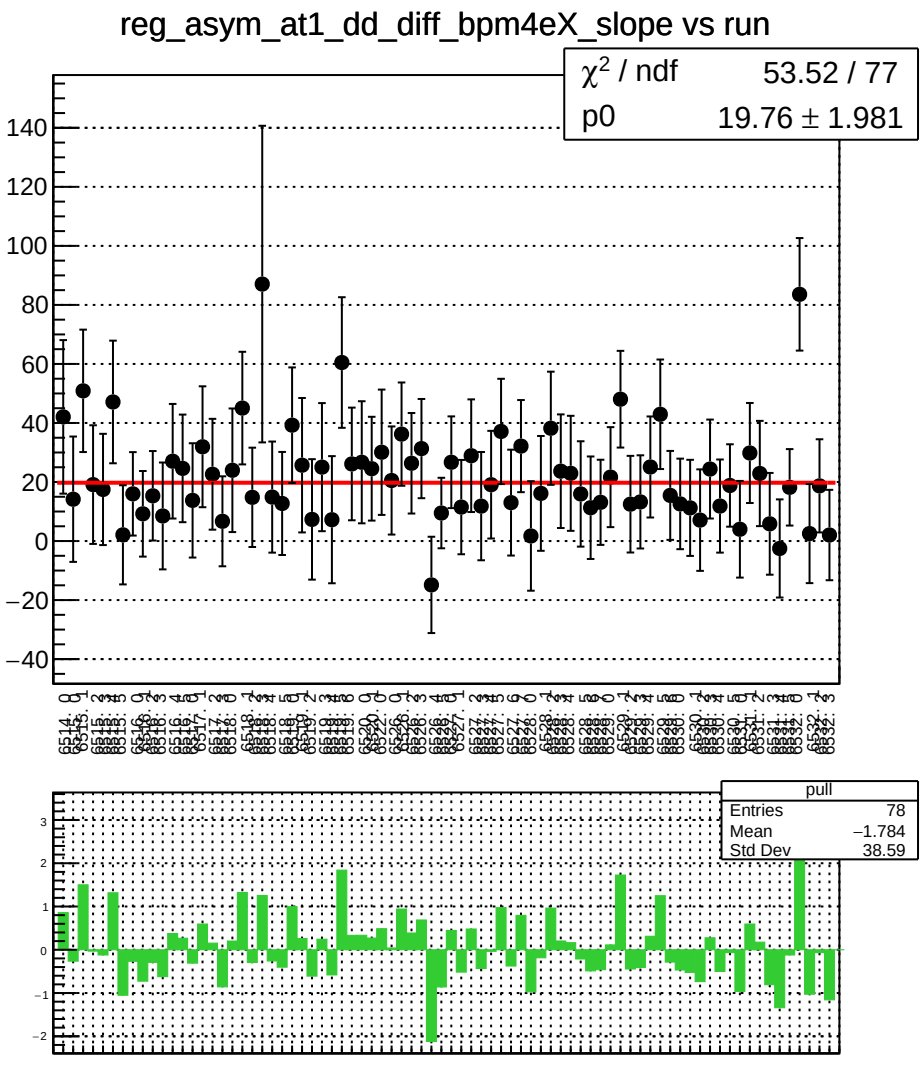

pull1D
Entries 78
Mean −0.1796
Std Dev 2.369

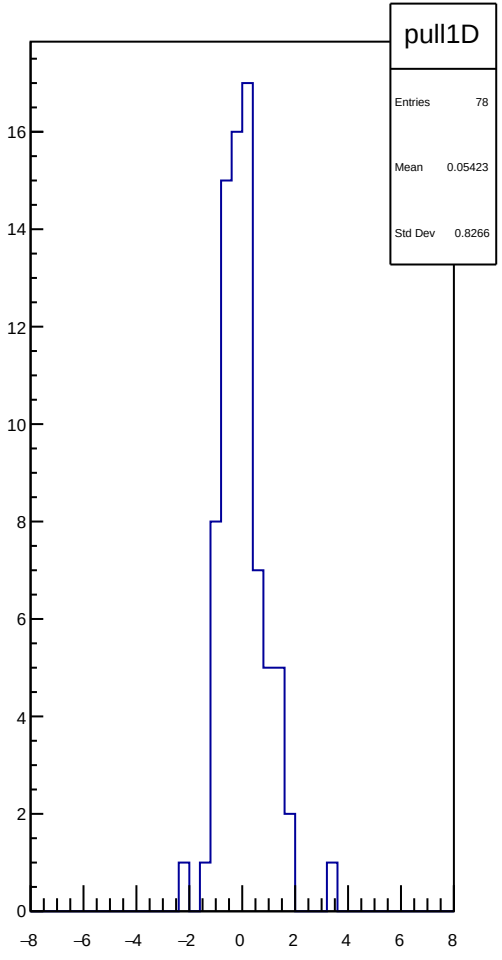

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 53.53 / 77
p0 27.52 ± 1.827
pull
Entries 78
Mean −5.124
Std Dev 41.22

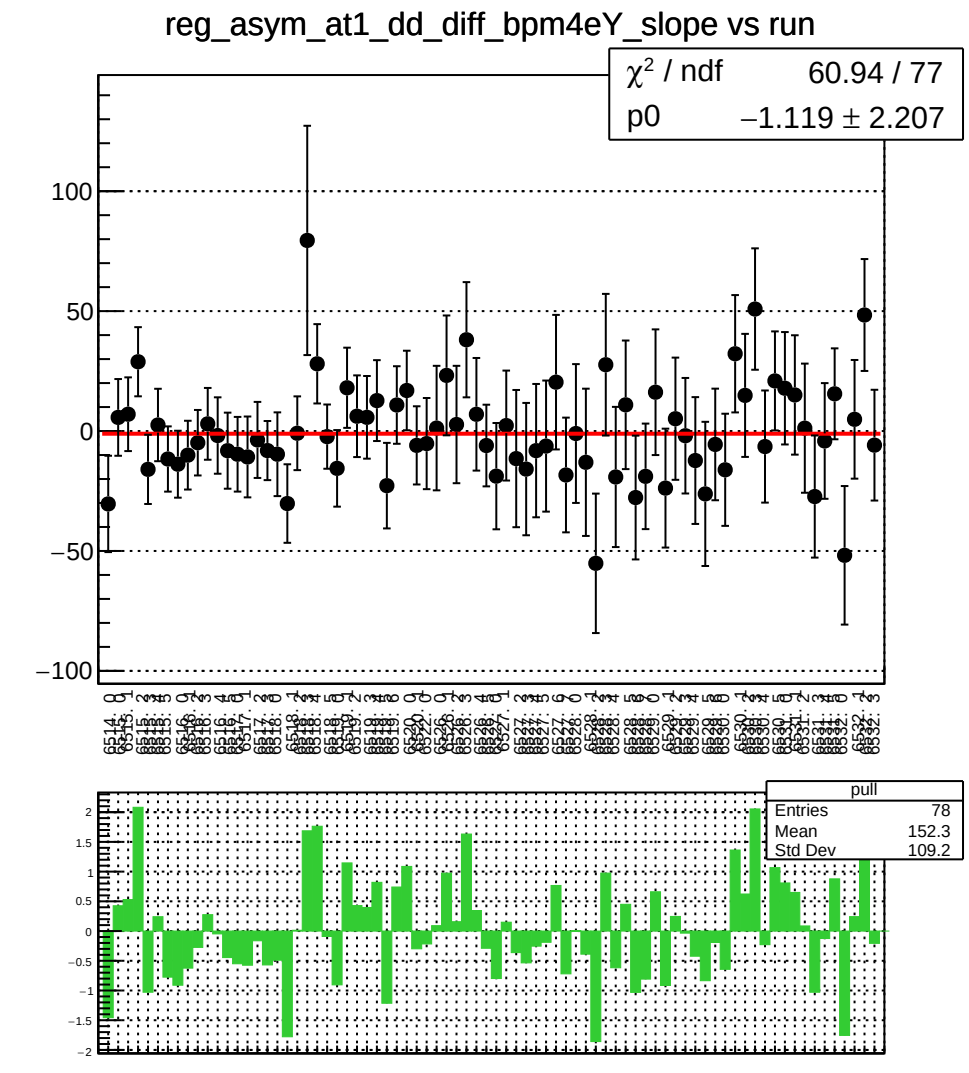

pull1D
Entries 78
Mean −0.05637
Std Dev 0.8265

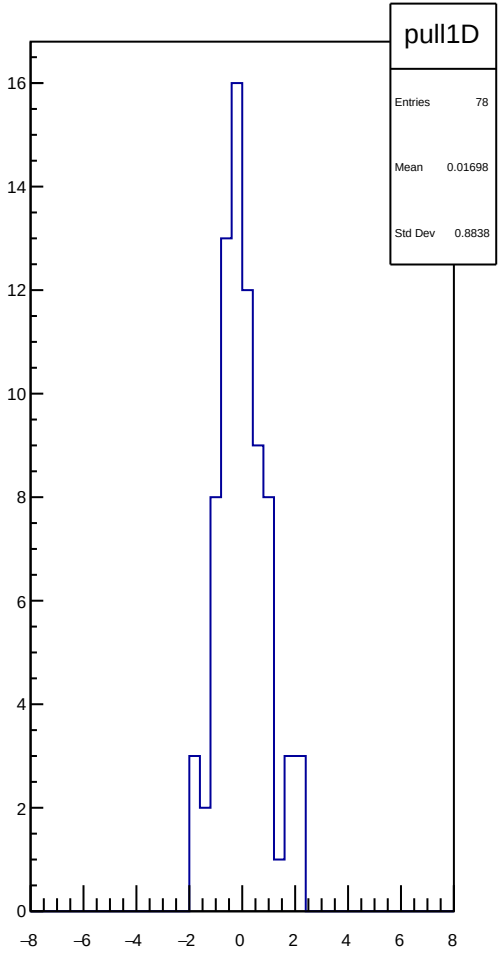

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 62.38 / 77
p0 0.7361 ± 1.964
pull
Entries 78
Mean 115.6
Std Dev 71.96

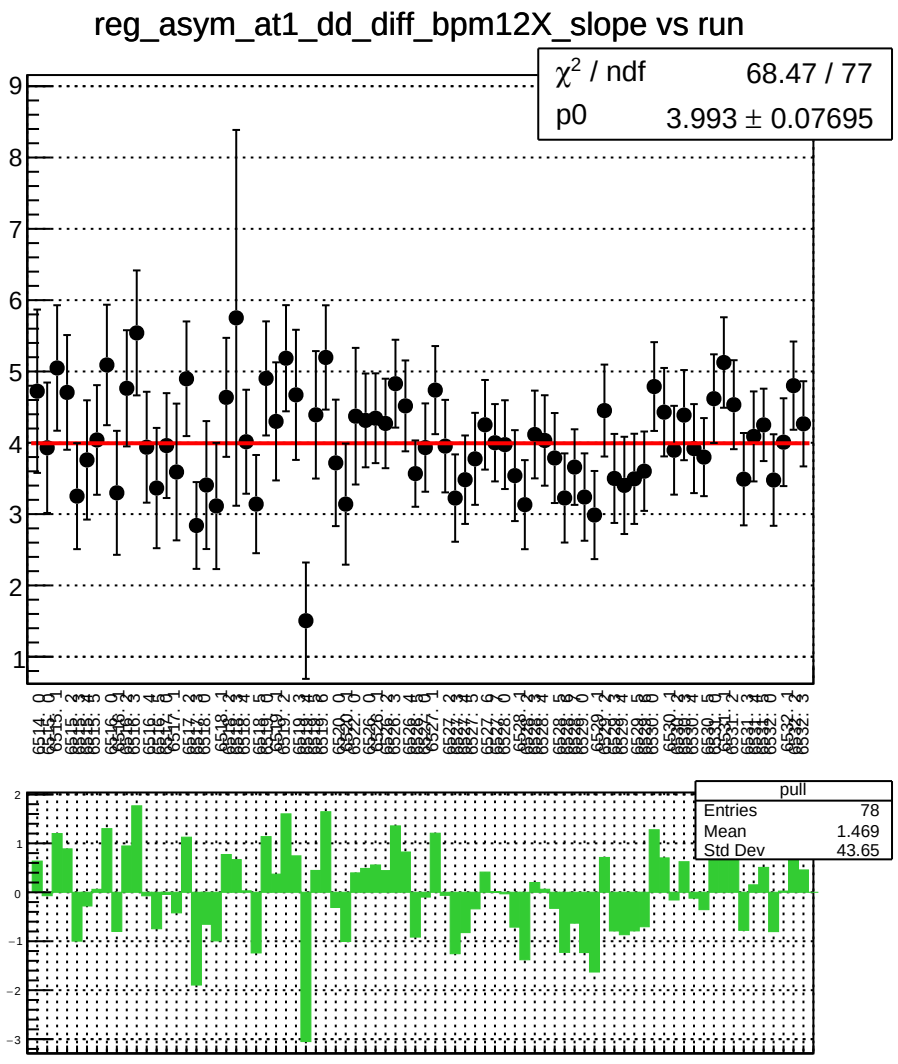

pull1D
Entries 78
Mean −0.02399
Std Dev 0.8939

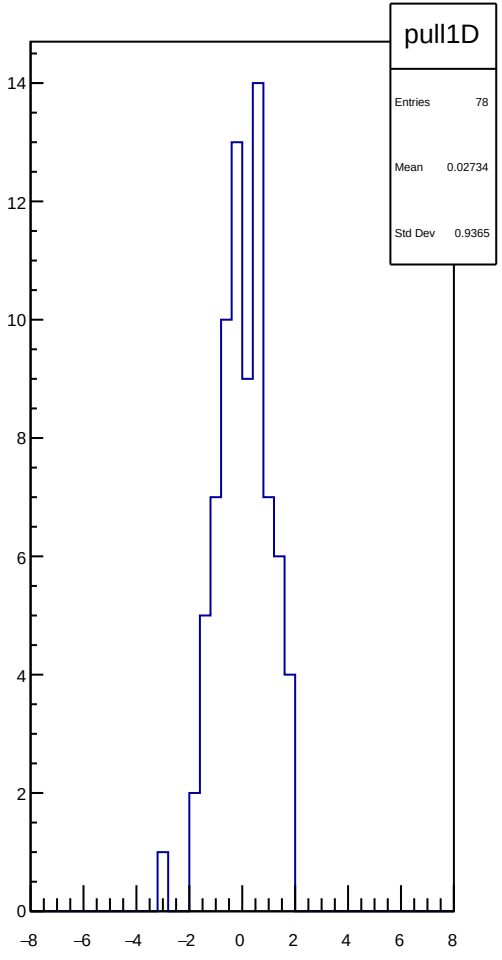

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 53.52 / 77
p0 19.76 ± 1.981
pull
Entries 78
Mean −1.784
Std Dev 38.59

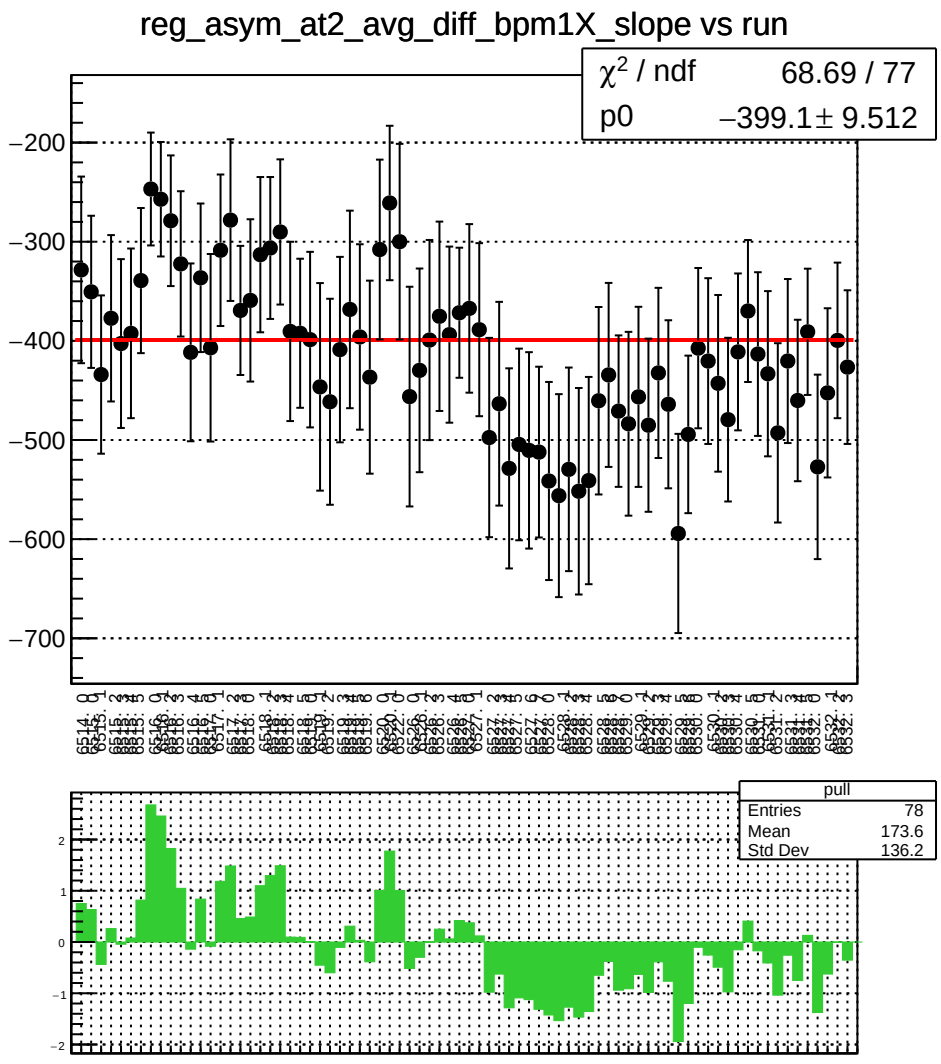

pull1D
Entries 78
Mean 0.05423
Std Dev 0.8266

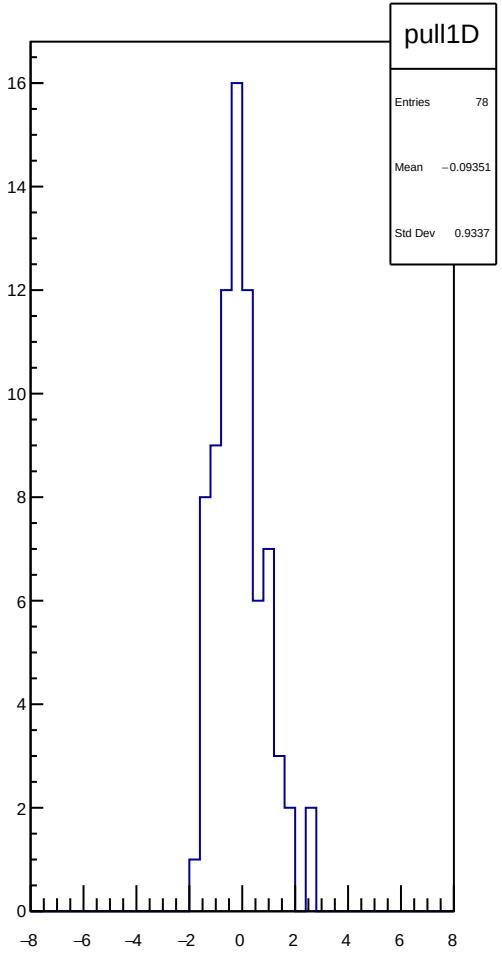

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 60.94 / 77
p0 −1.119 ± 2.207
100
50
0
−50
−100
pull
Entries 78
Mean 152.3
Std Dev 109.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

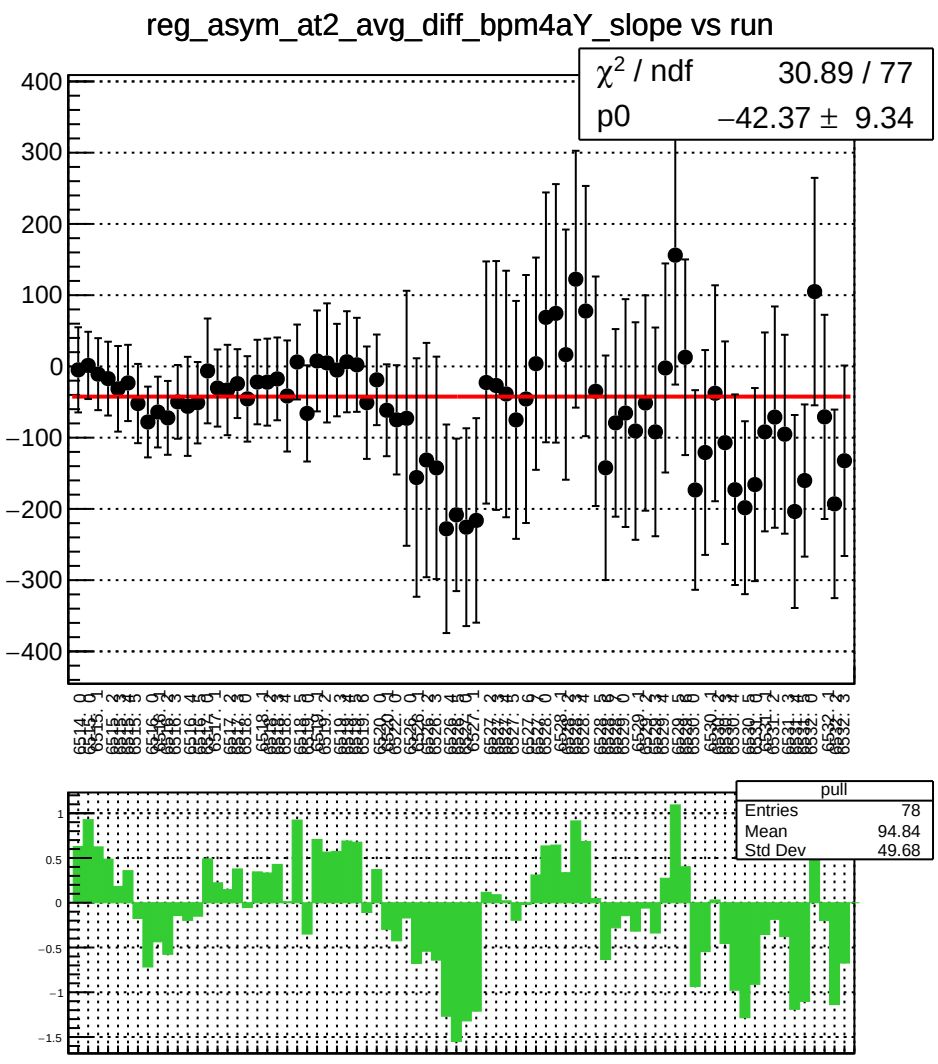

pull1D
Entries 78
Mean 0.01698
Std Dev 0.8838
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

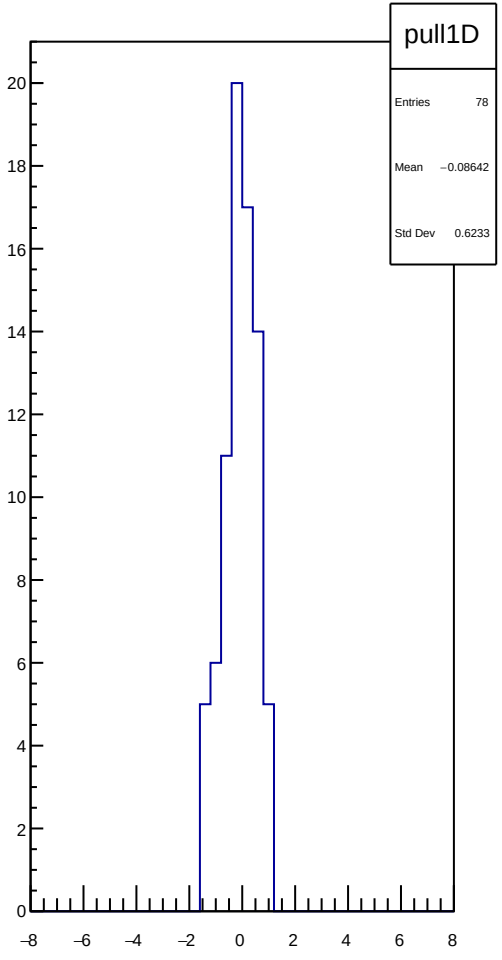

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 68.47 / 77
p0 3.993 ± 0.07695
pull
Entries 78
Mean 1.469
Std Dev 43.65

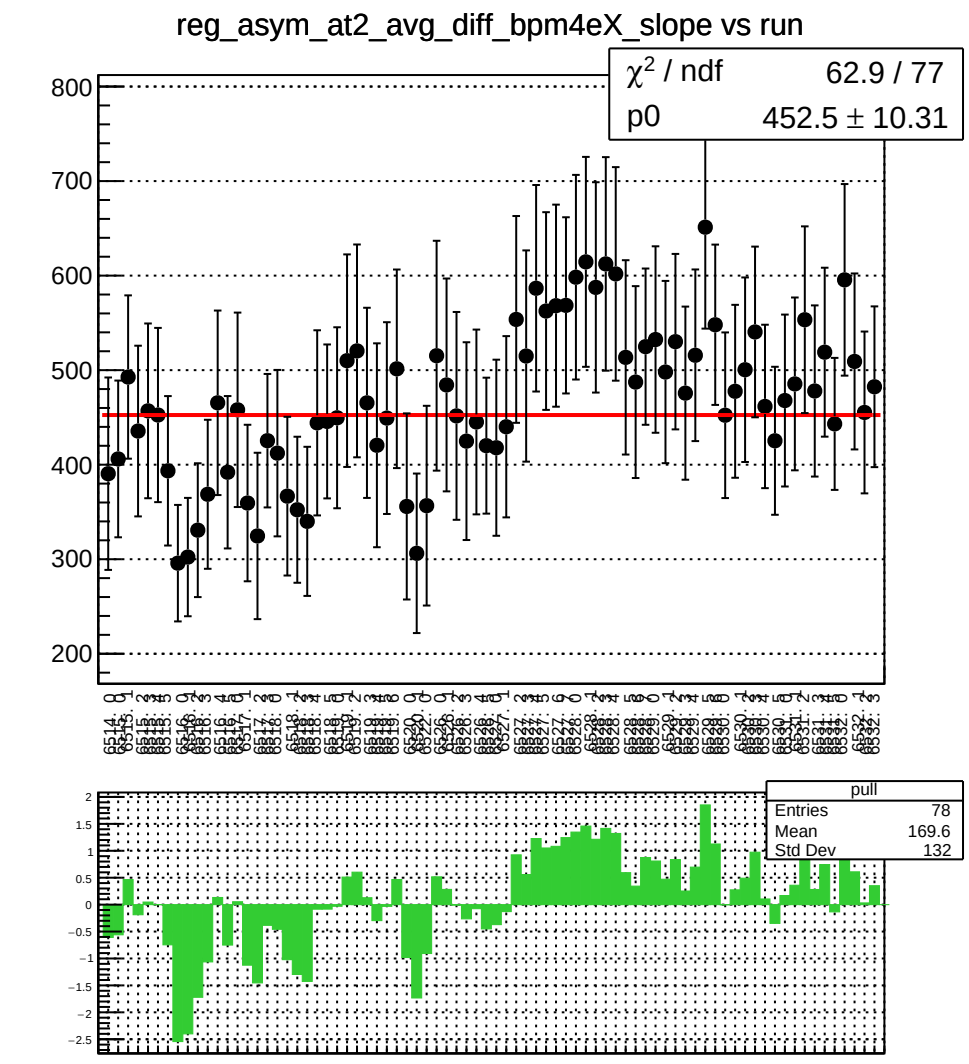

pull1D
Entries 78
Mean 0.02734
Std Dev 0.9365

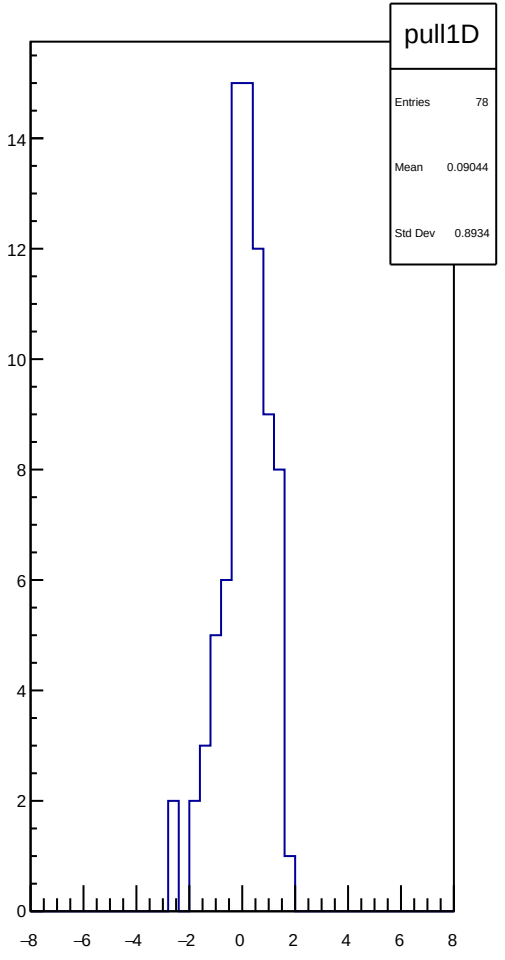

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 68.69 / 77
p0 −399.1± 9.512
pull
Entries 78
Mean 173.6
Std Dev 136.2

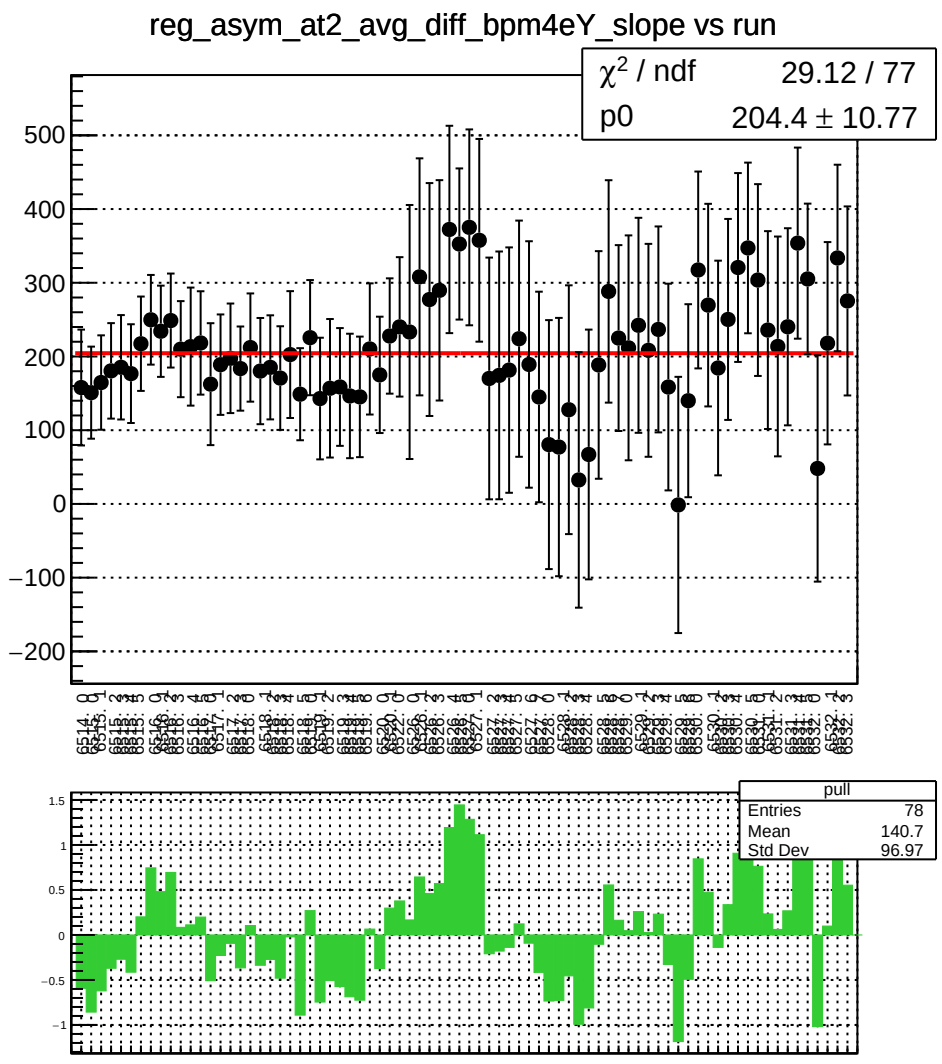

pull1D
Entries 78
Mean −0.09351
Std Dev 0.9337

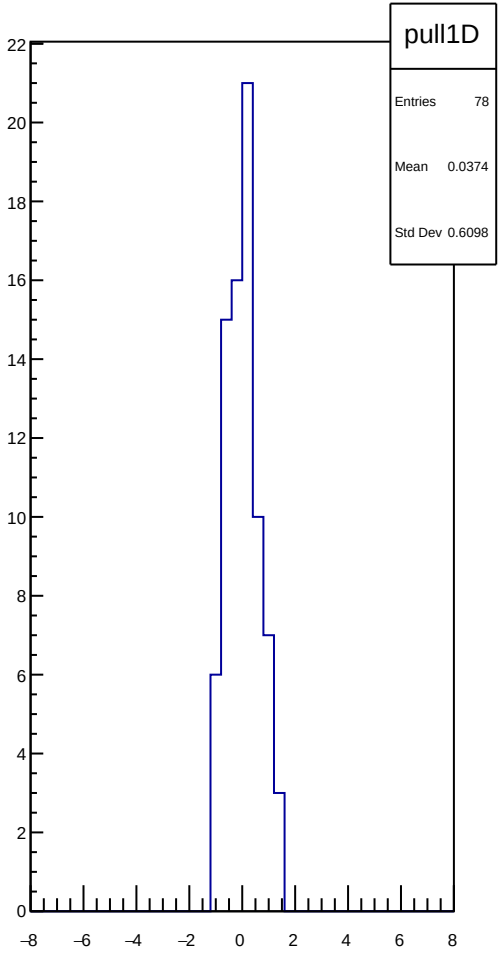

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 30.89 / 77
p0 −42.37 ± 9.34
pull
Entries 78
Mean 94.84
Std Dev 49.68

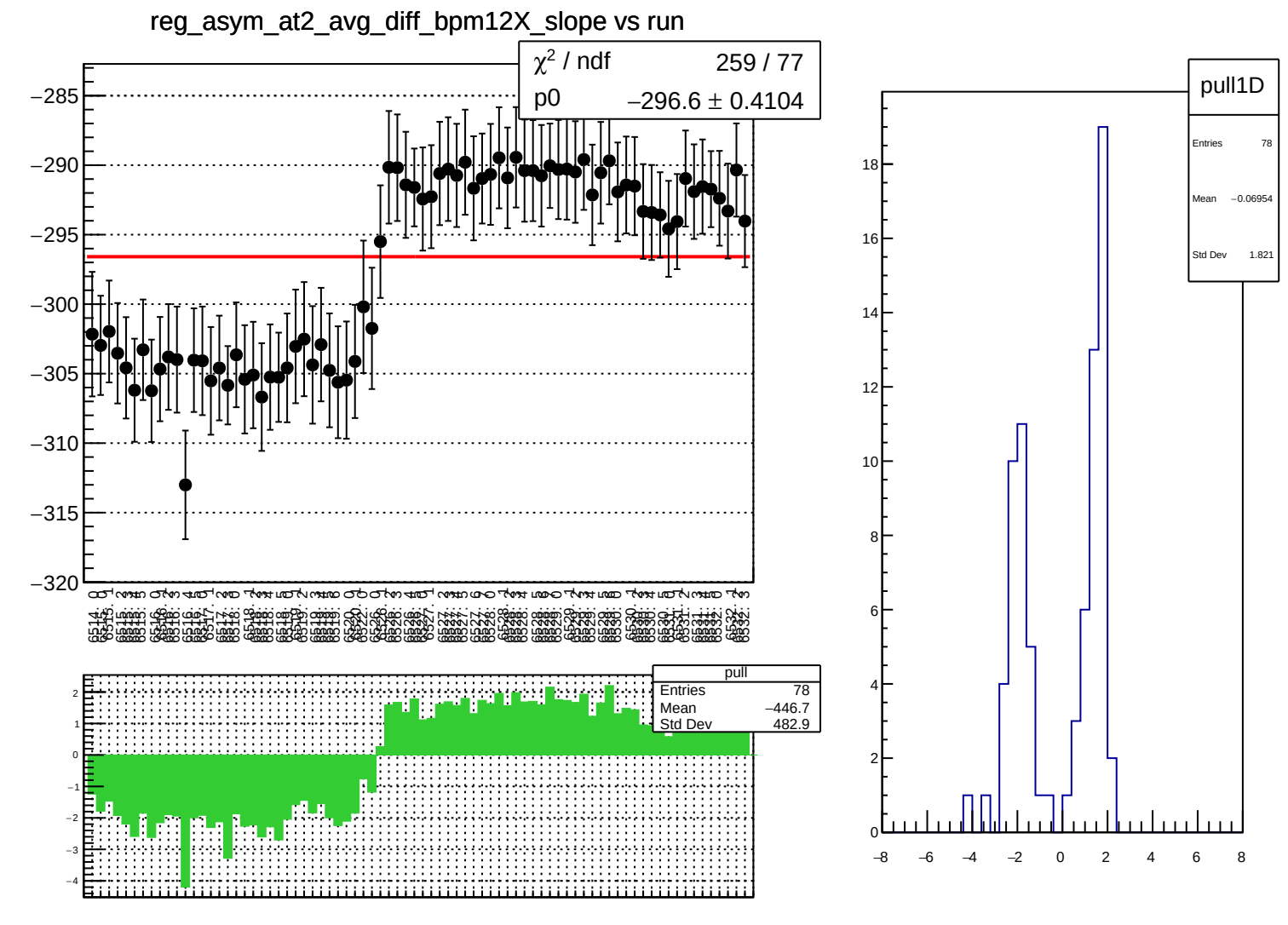

pull1D
Entries 78
Mean −0.08642
Std Dev 0.6233

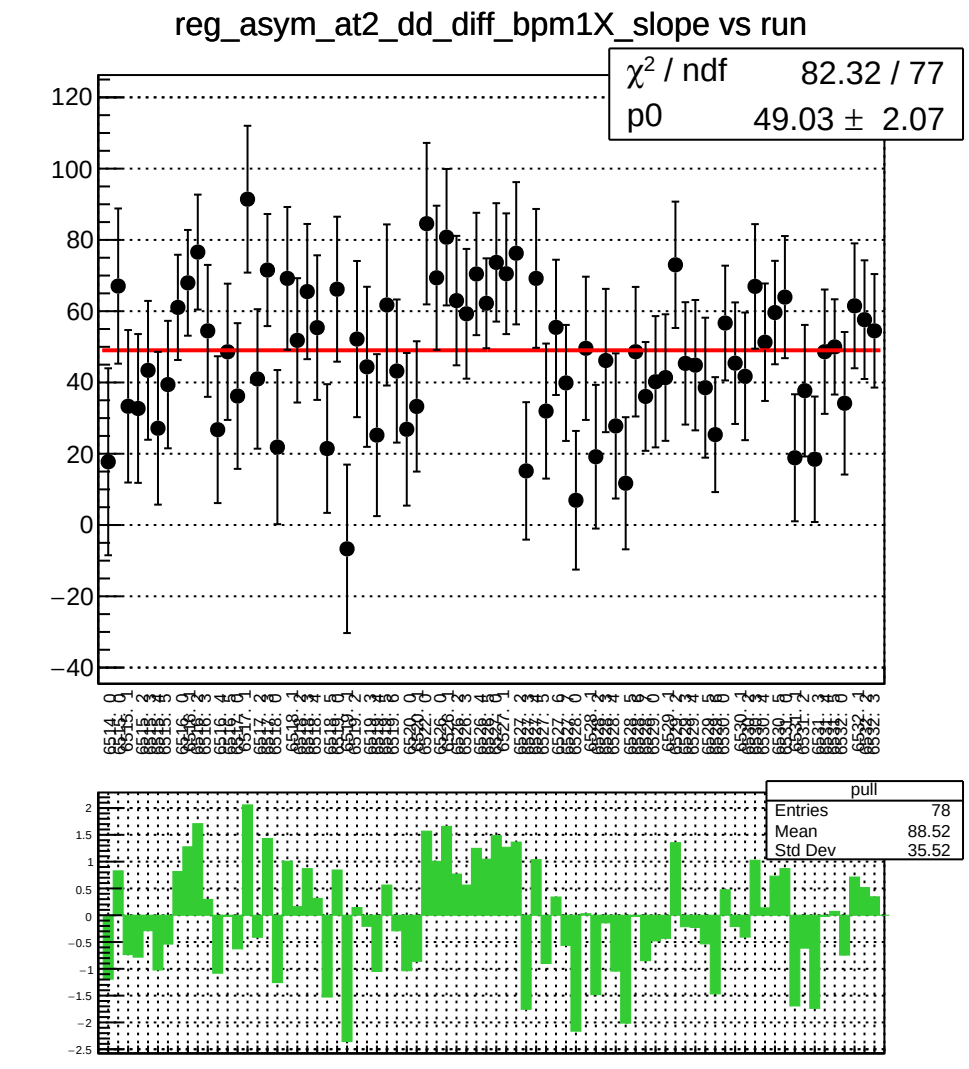

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 62.9 / 77
p0 452.5 ± 10.31
pull
Entries 78
Mean 169.6
Std Dev 132

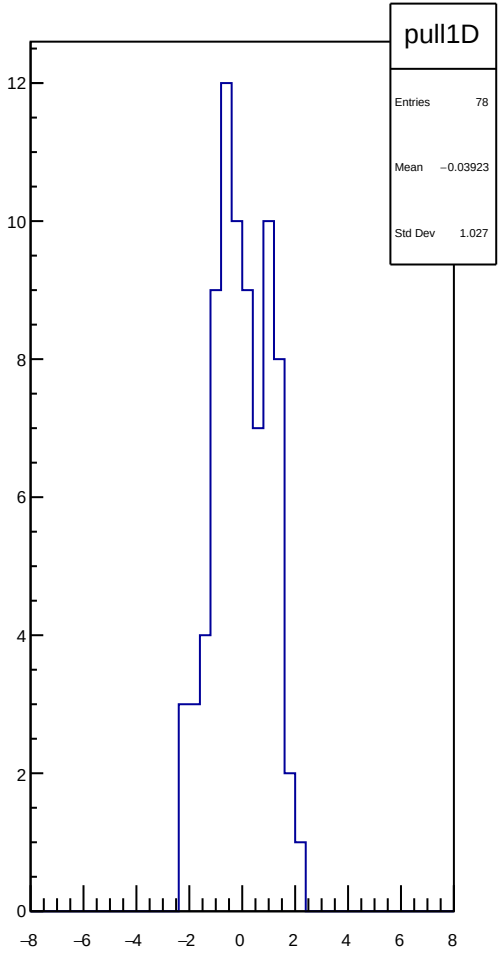

pull1D
Entries 78
Mean 0.09044
Std Dev 0.8934

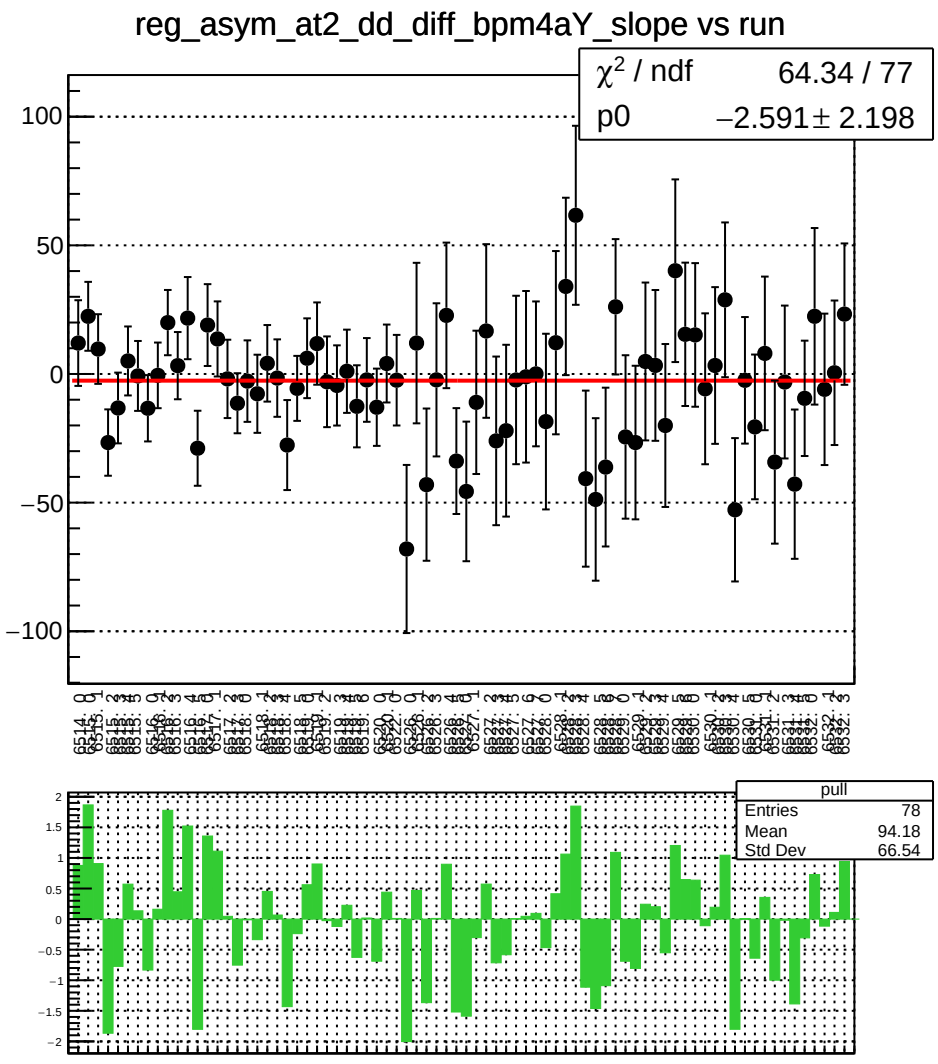

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 29.12 / 77
p0 204.4 ± 10.77
pull
Entries 78
Mean 140.7
Std Dev 96.97

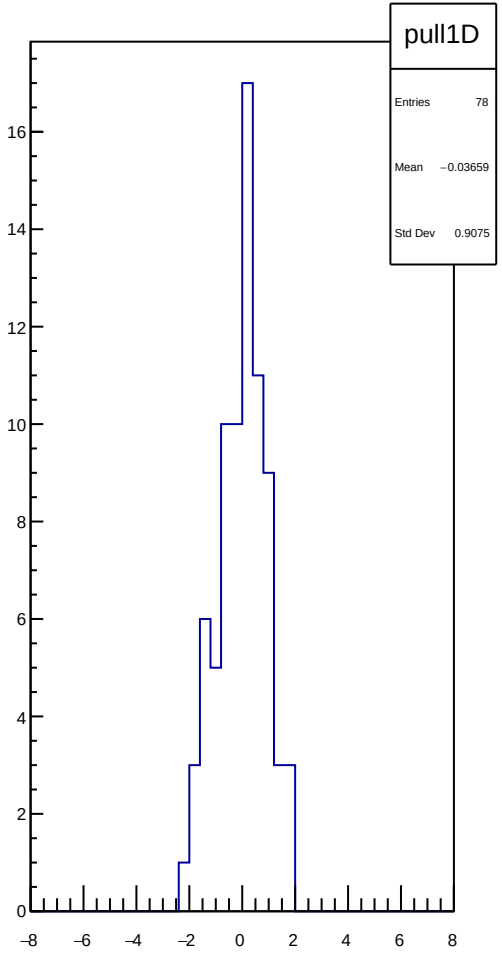

pull1D
Entries 78
Mean 0.0374
Std Dev 0.6098

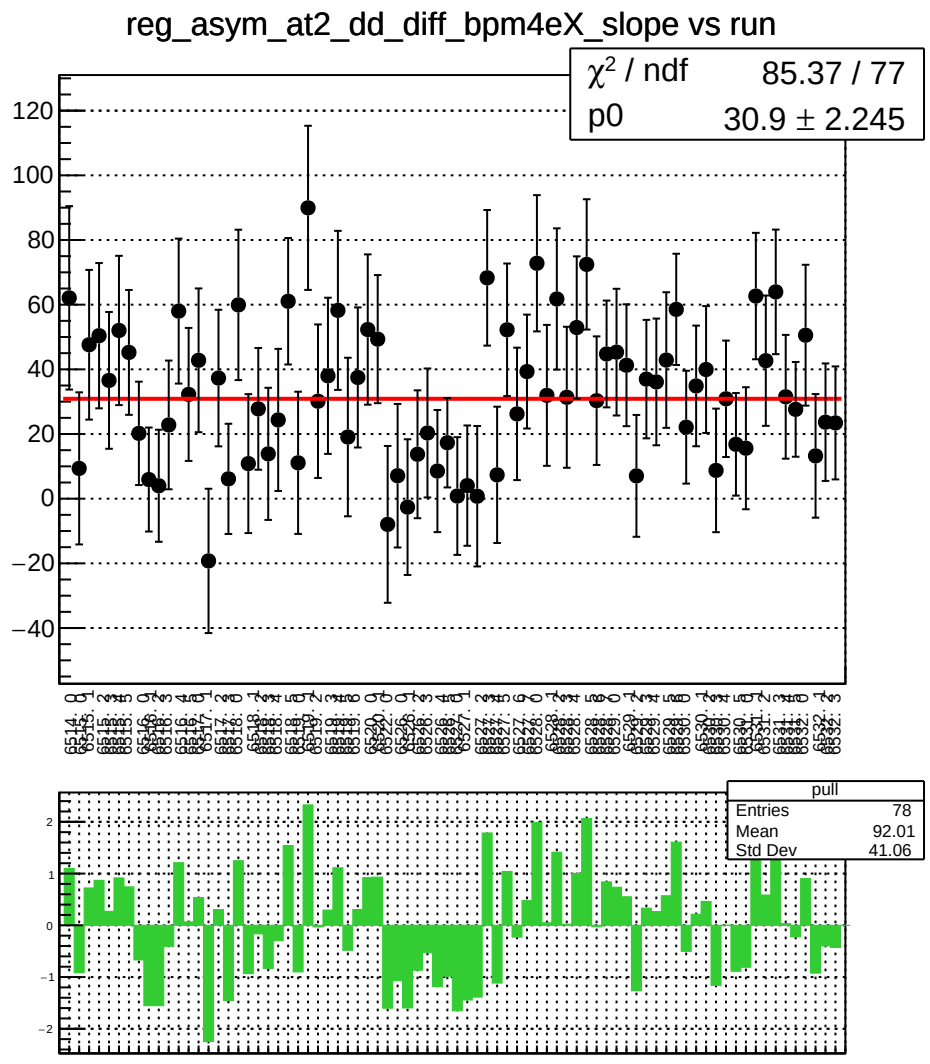

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 259 / 77
p0 −296.6 ± 0.4104
pull
Entries 78
Mean −446.7
Std Dev 482.9
pull1D
Entries 78
Mean −0.06954
Std Dev 1.821

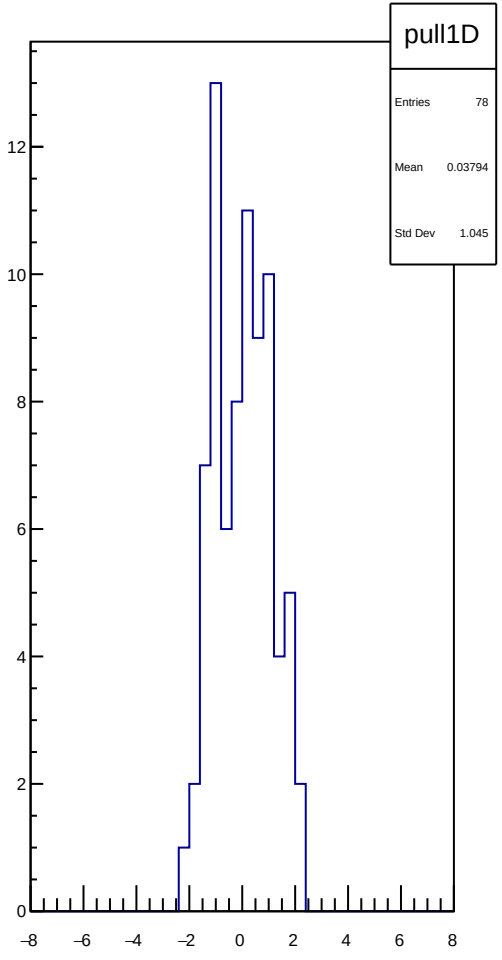

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 82.32 / 77
p0 49.03 ± 2.07
pull
Entries 78
Mean 88.52
Std Dev 35.52

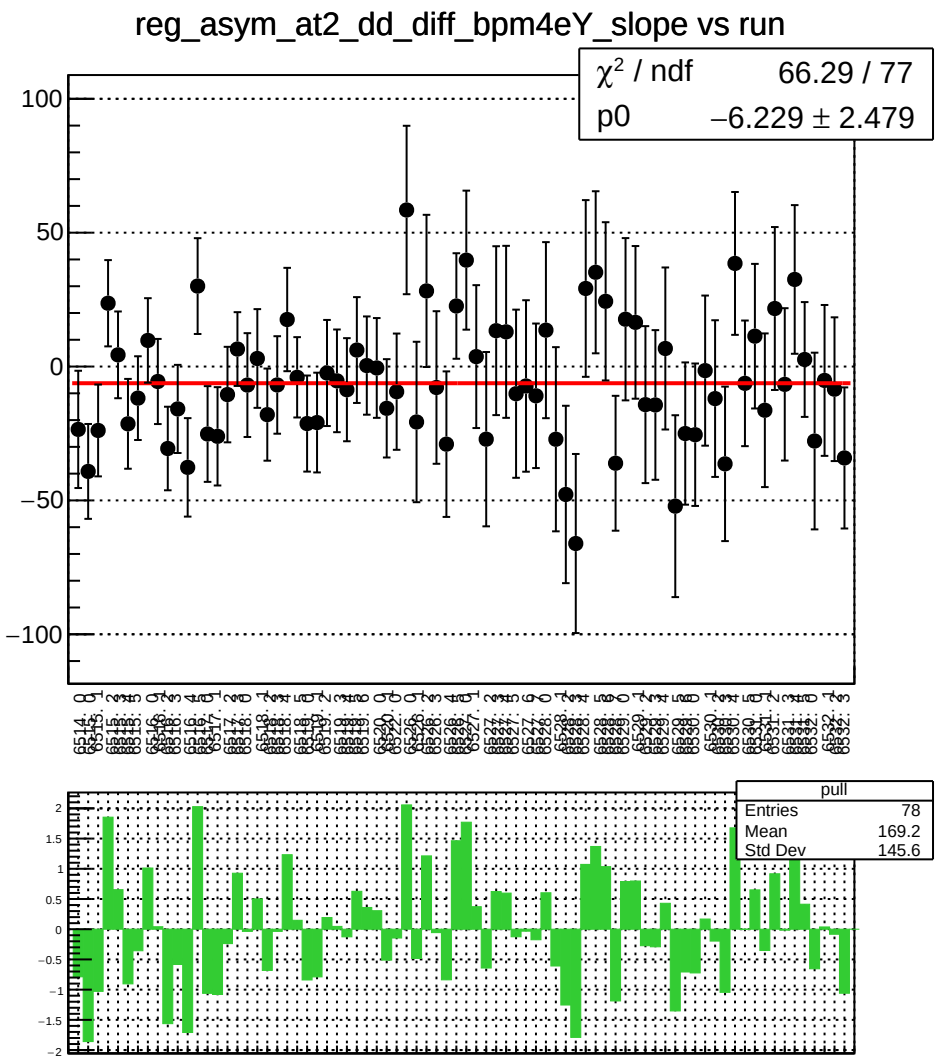

pull1D
Entries 78
Mean −0.03923
Std Dev 1.027

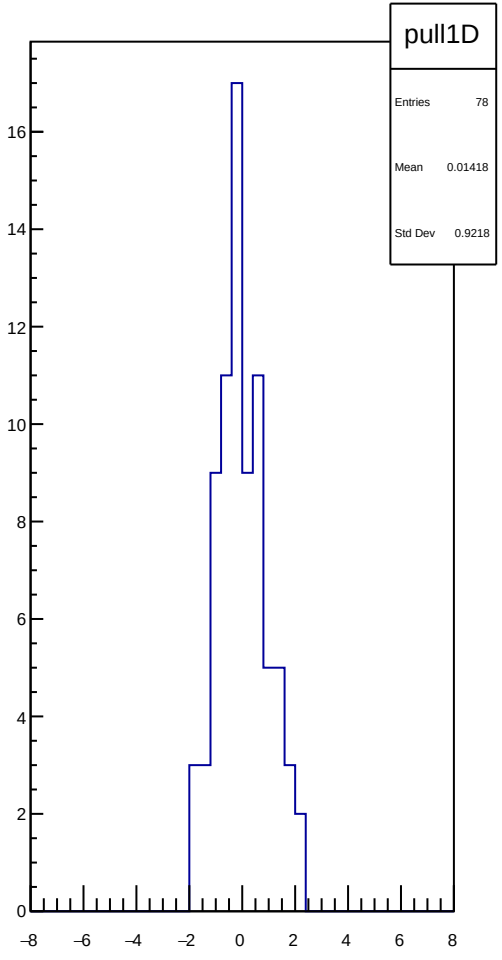

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 64.34 / 77
p0 −2.591 ± 2.198
pull
Entries 78
Mean 94.18
Std Dev 66.54

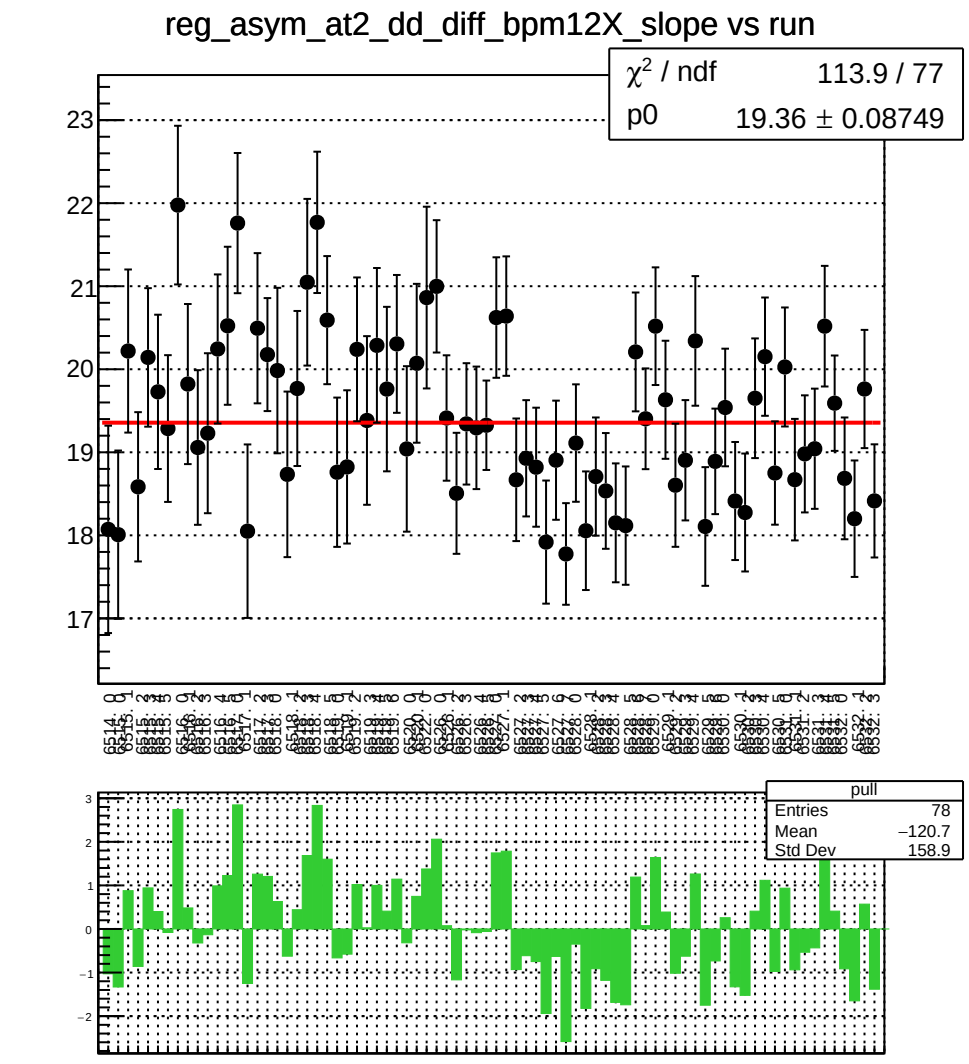

pull1D
Entries 78
Mean −0.03659
Std Dev 0.9075

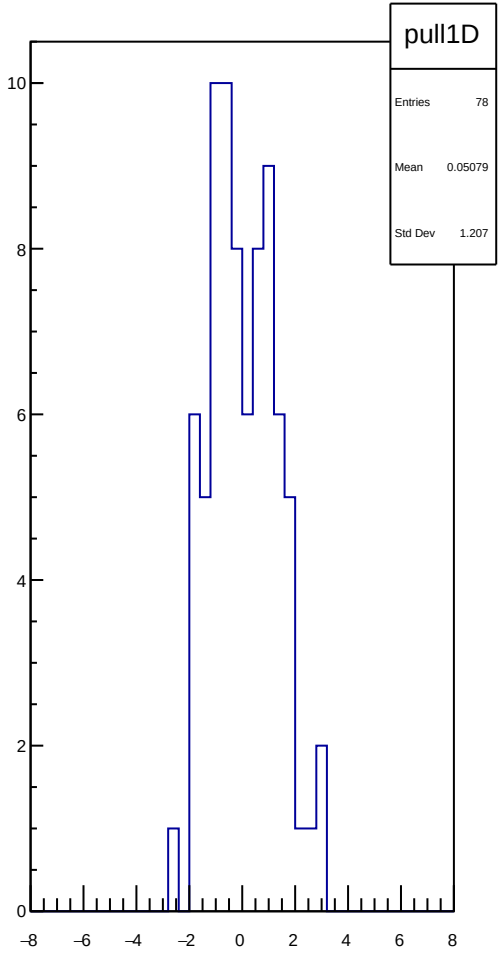

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 85.37 / 77
p0 30.9 ± 2.245
pull
Entries 78
Mean 92.01
Std Dev 41.06

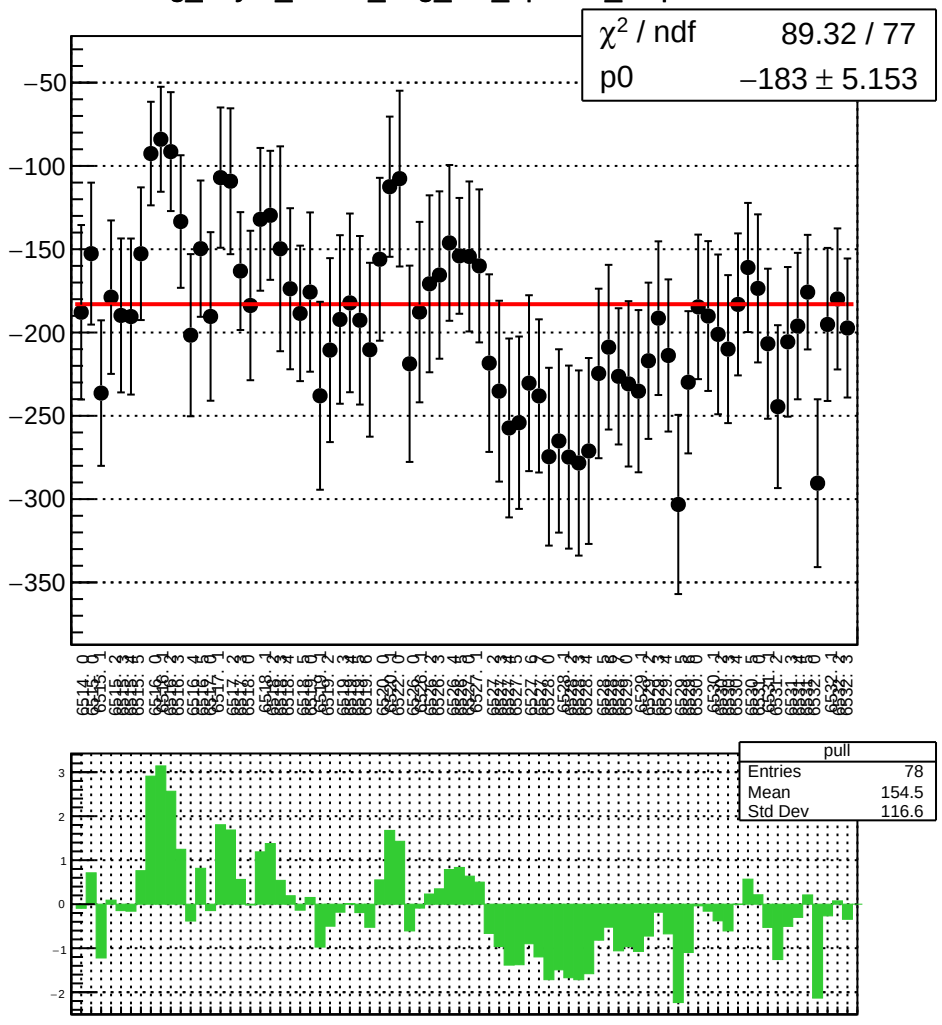

pull1D
Entries 78
Mean 0.03794
Std Dev 1.045

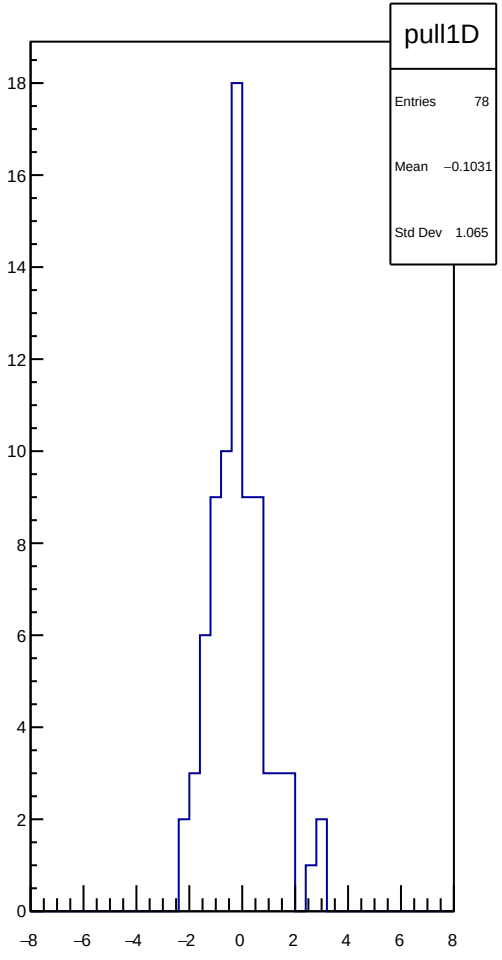

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 66.29 / 77
p0 −6.229 ± 2.479
pull
Entries 78
Mean 169.2
Std Dev 145.6

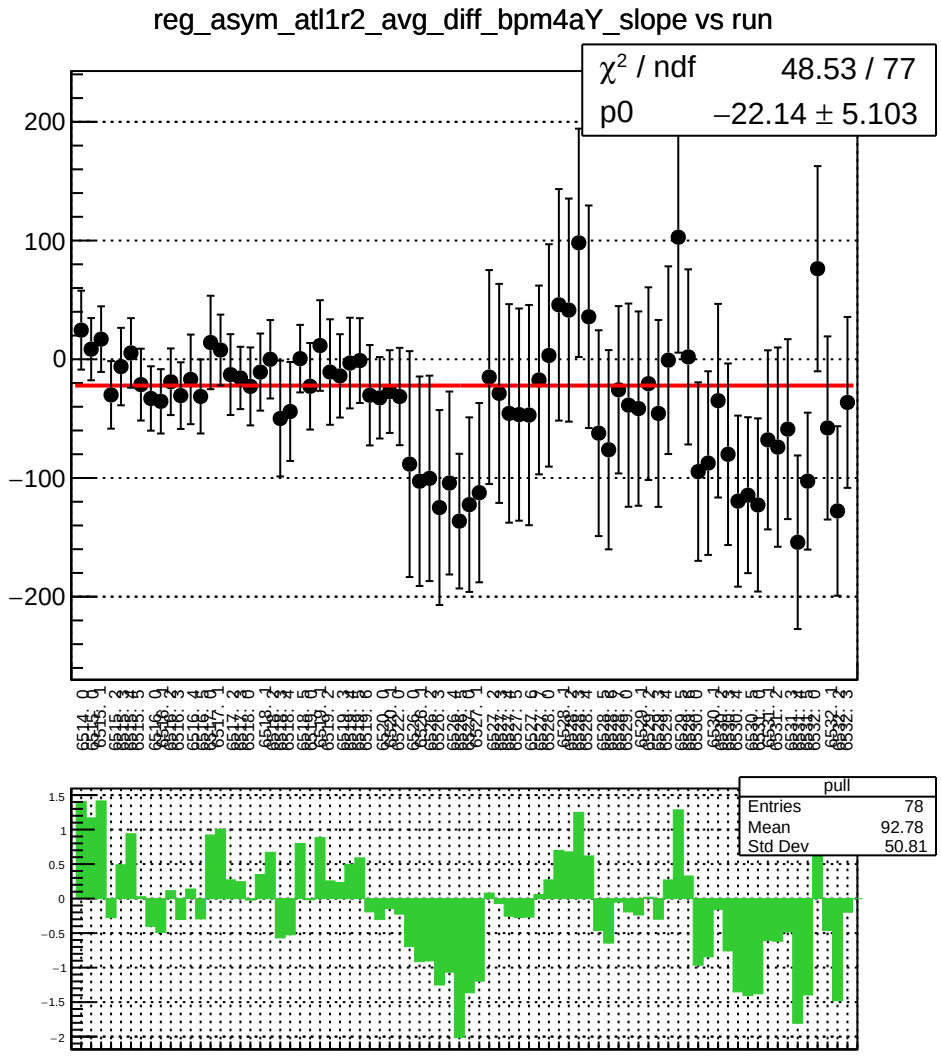

pull1D
Entries 78
Mean 0.01418
Std Dev 0.9218

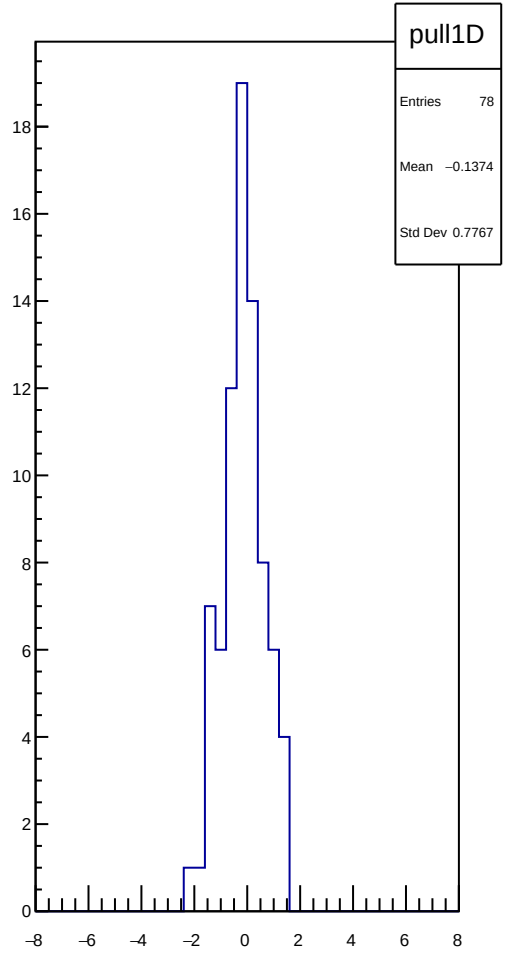

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 113.9 / 77
p0 19.36 ± 0.08749
pull
Entries 78
Mean −120.7
Std Dev 158.9

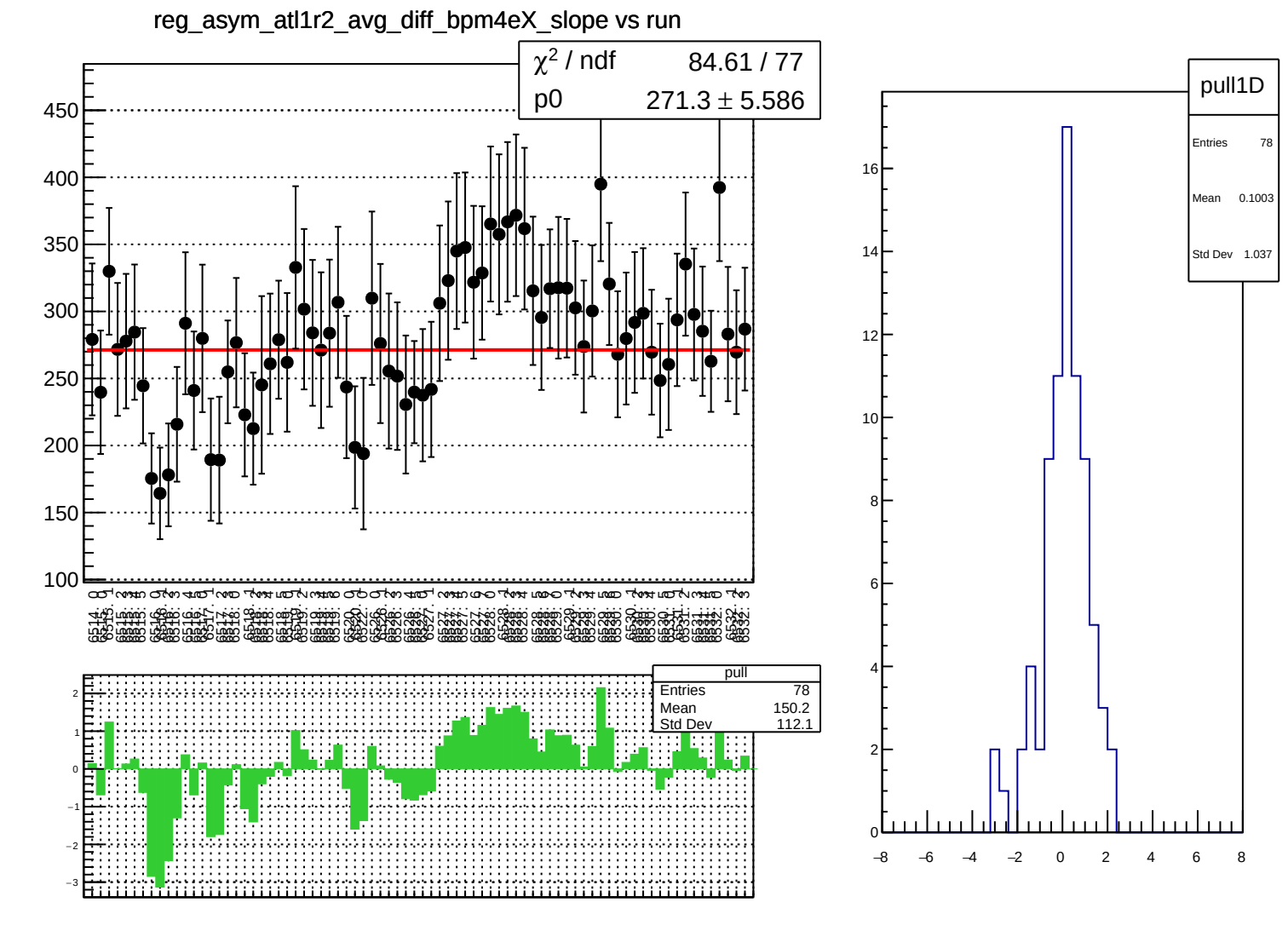

pull1D
Entries 78
Mean 0.05079
Std Dev 1.207

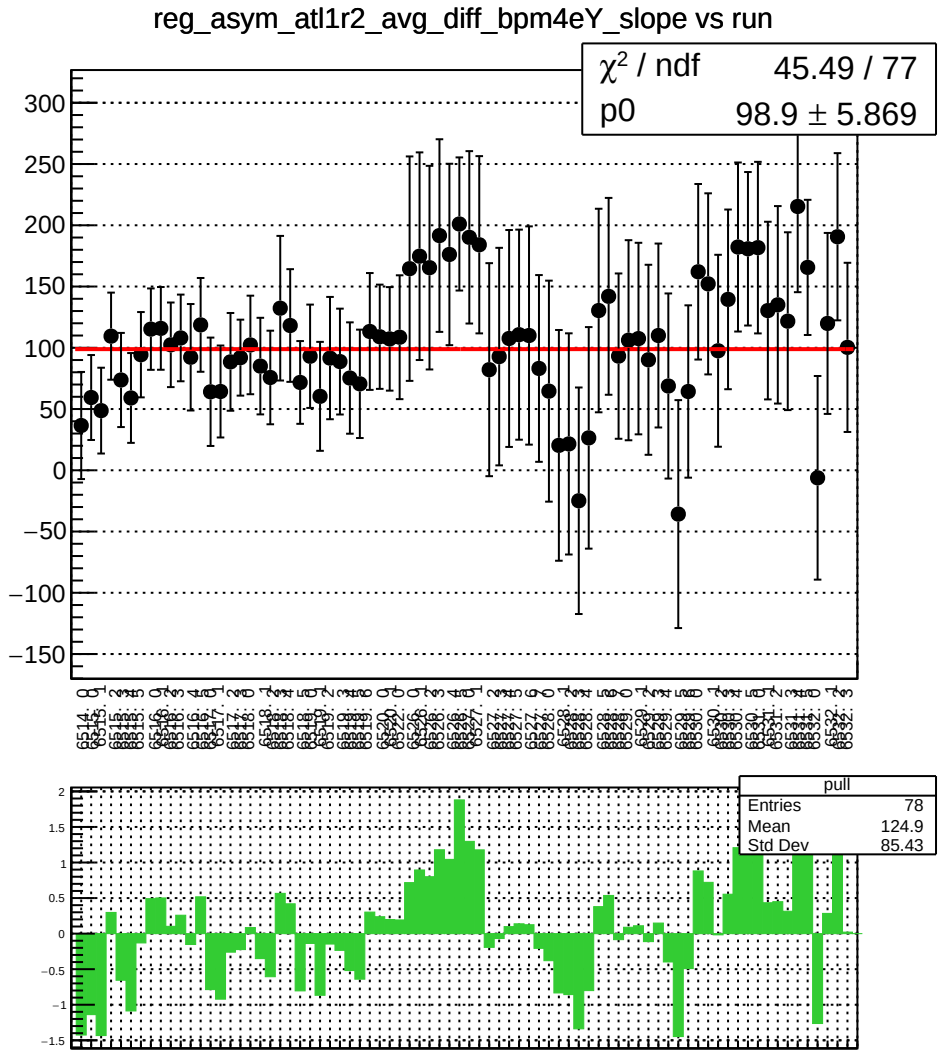

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 89.32 / 77
p0 −183 ± 5.153
pull
Entries 78
Mean 154.5
Std Dev 116.6

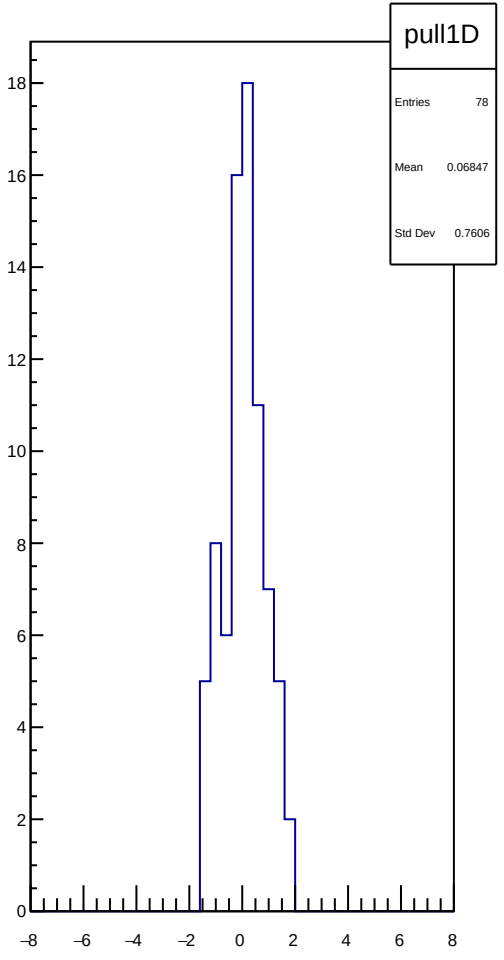

pull1D
Entries 78
Mean −0.1031
Std Dev 1.065

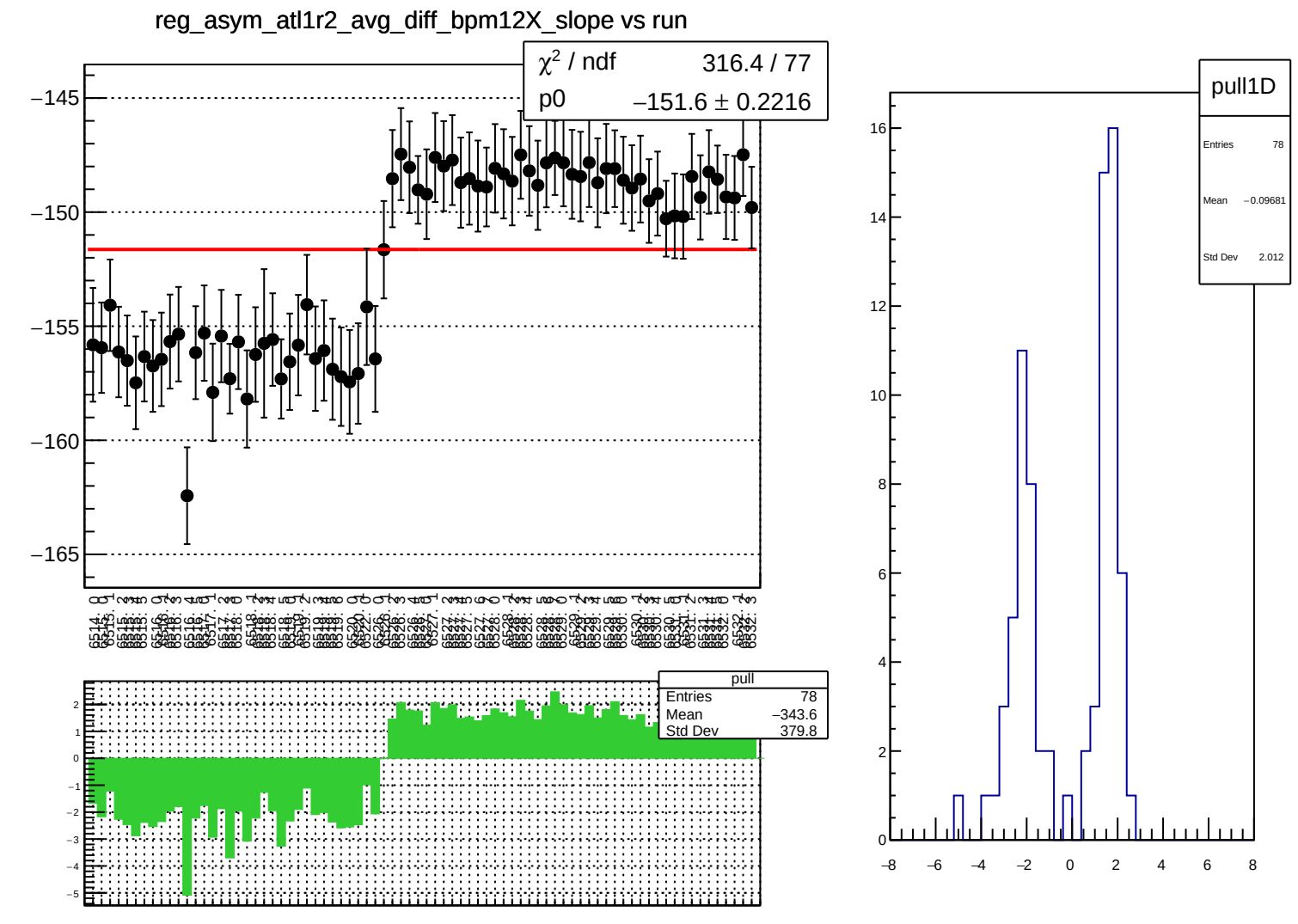

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 48.53 / 77
p0 −22.14 ± 5.103
pull
Entries 78
Mean 92.78
Std Dev 50.81

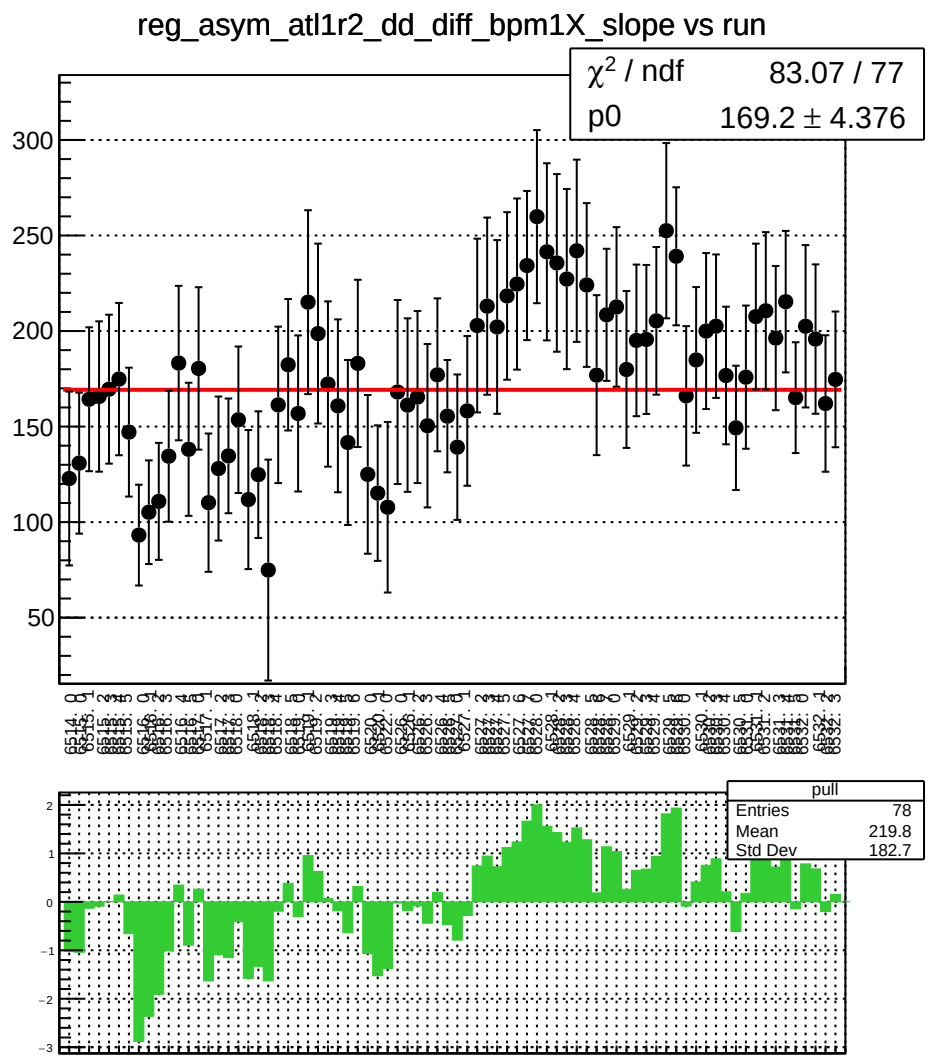

pull1D
Entries 78
Mean −0.1374
Std Dev 0.7767

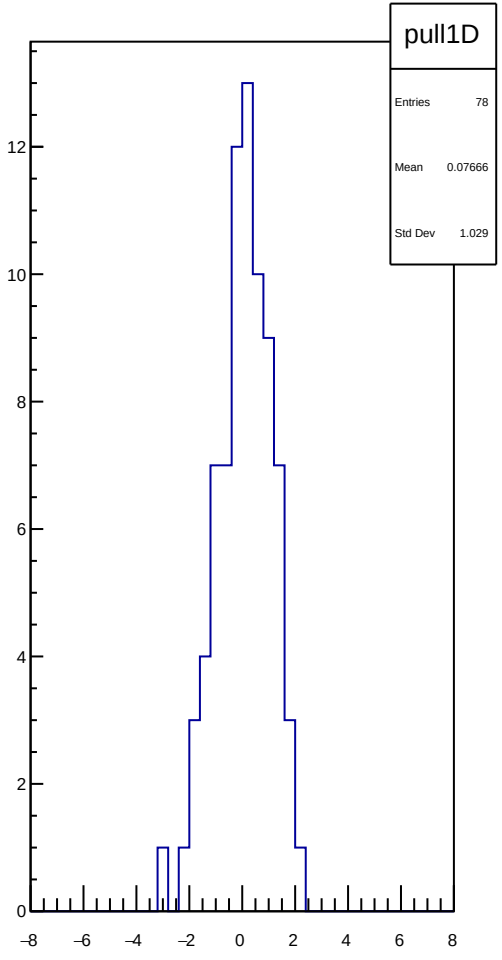

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 84.61 / 77
p0 271.3 ± 5.586
pull
Entries 78
Mean 150.2
Std Dev 112.1
pull1D
Entries 78
Mean 0.1003
Std Dev 1.037

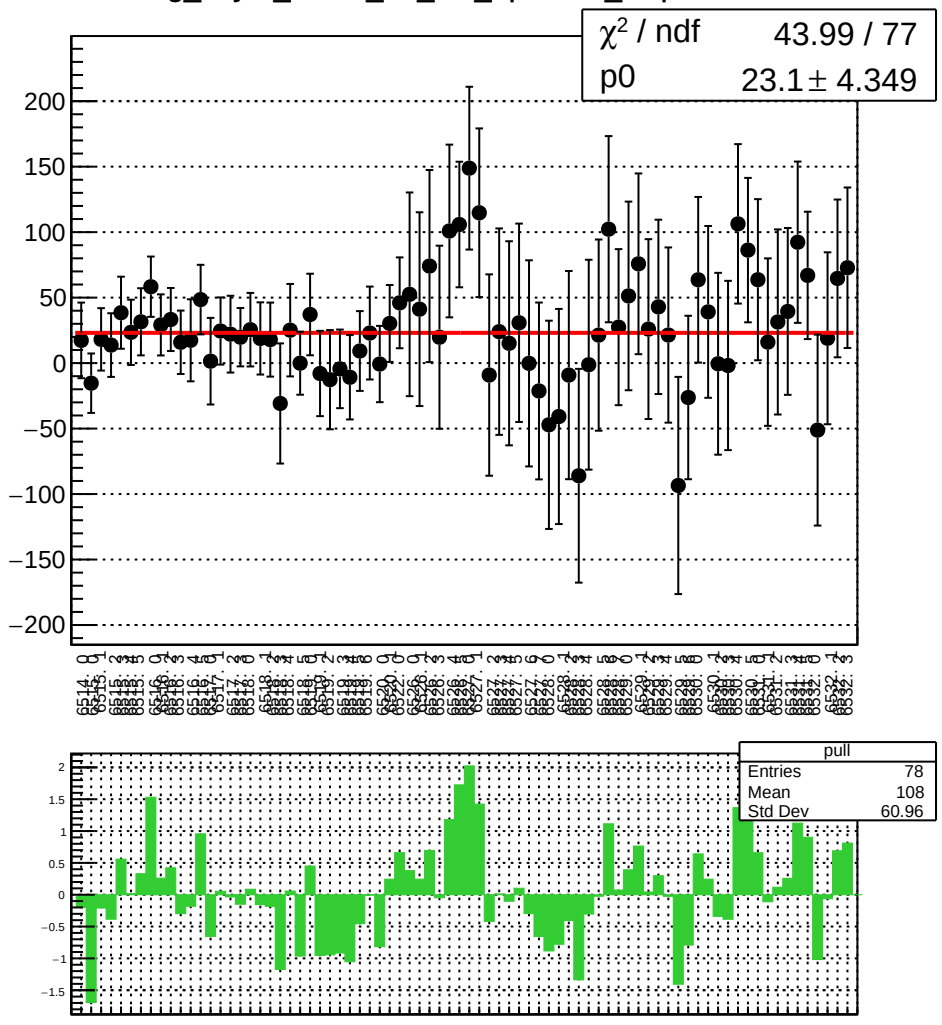

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 45.49 / 77
p0 98.9 ± 5.869
pull
Entries 78
Mean 124.9
Std Dev 85.43

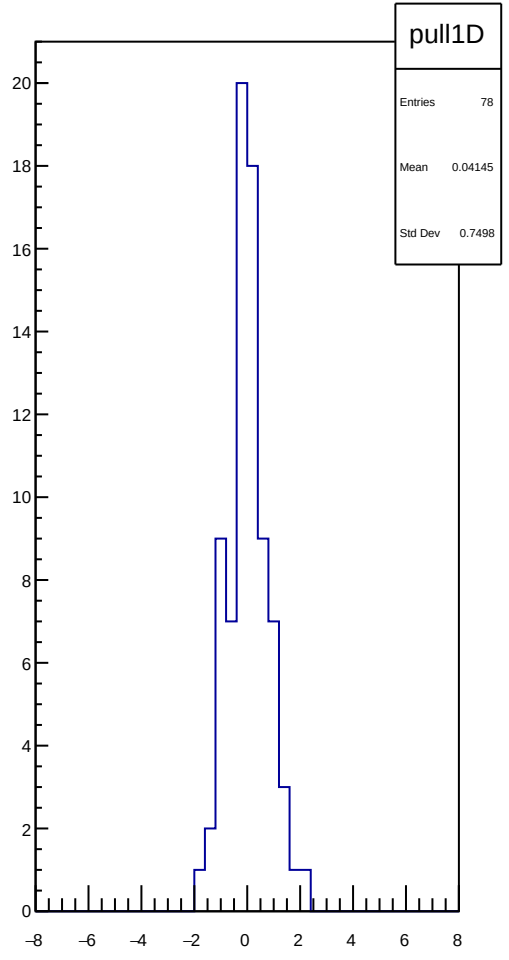

pull1D
Entries 78
Mean 0.06847
Std Dev 0.7606

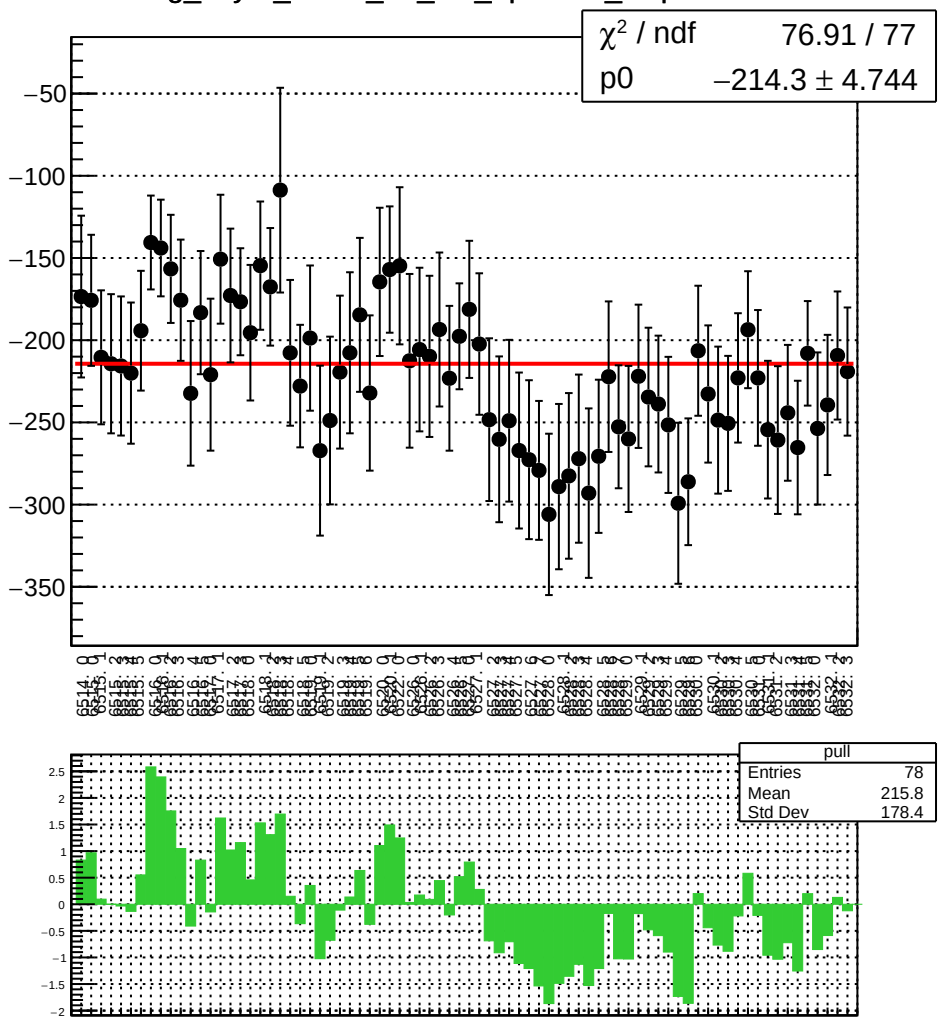

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 316.4 / 77
p0 −151.6 ± 0.2216
−145
−150
−155
−160
−165
pull
Entries 78
Mean −343.6
Std Dev 379.8
pull1D
Entries 78
Mean −0.09681
Std Dev 2.012

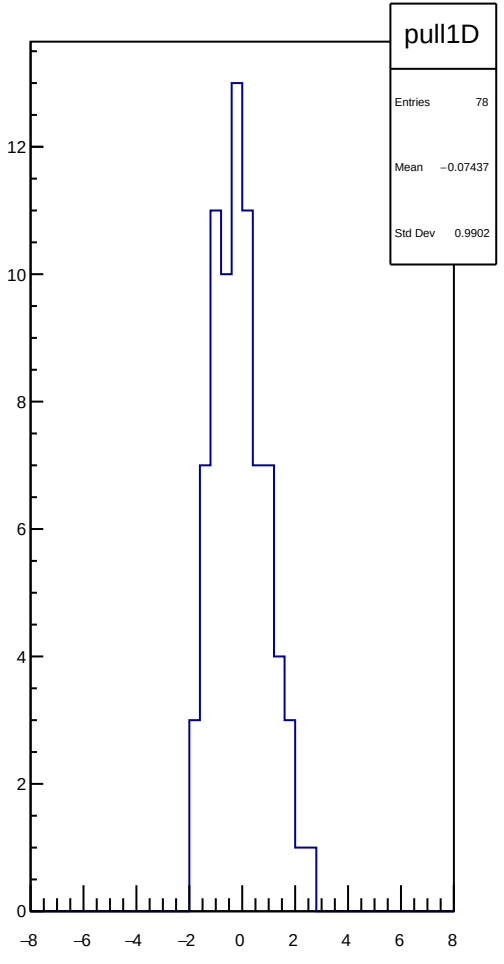

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 83.07 / 77
p0 169.2 ± 4.376
pull
Entries 78
Mean 219.8
Std Dev 182.7

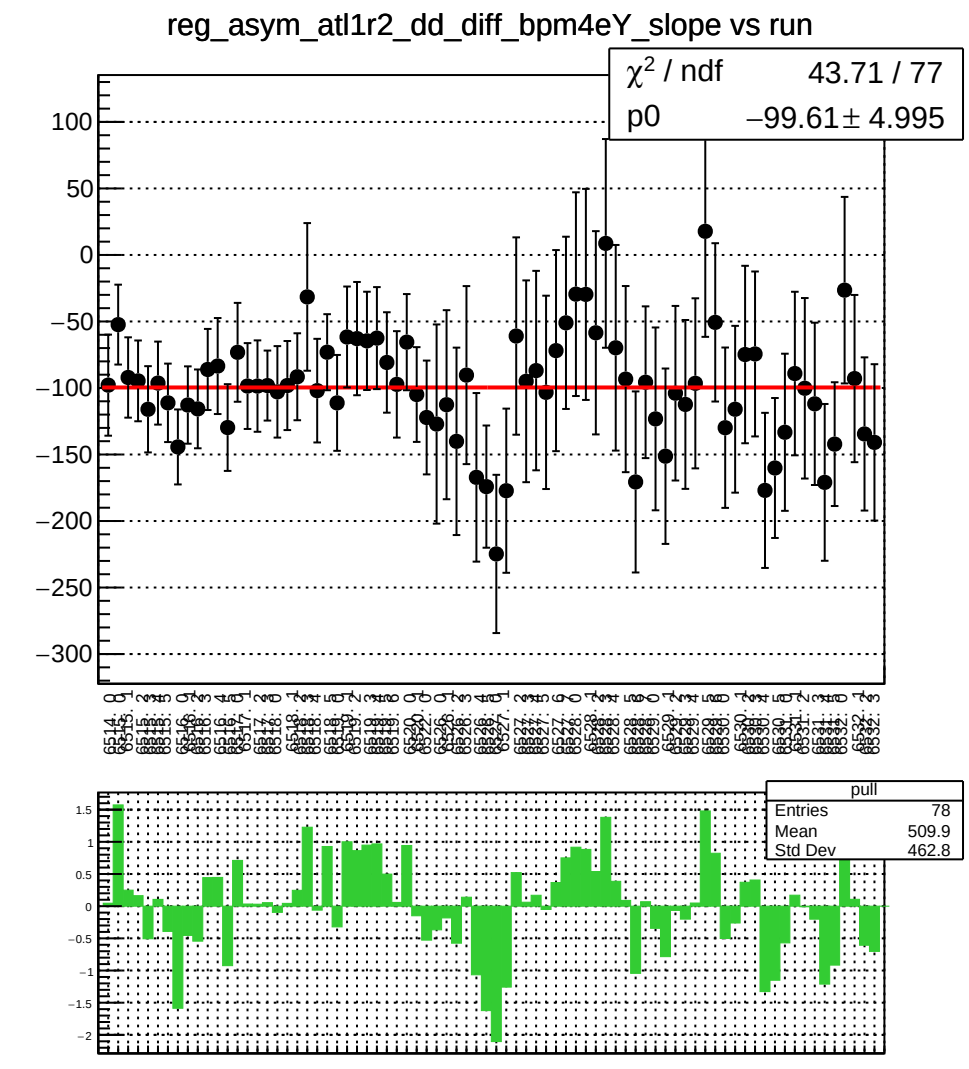

pull1D
Entries 78
Mean 0.07666
Std Dev 1.029

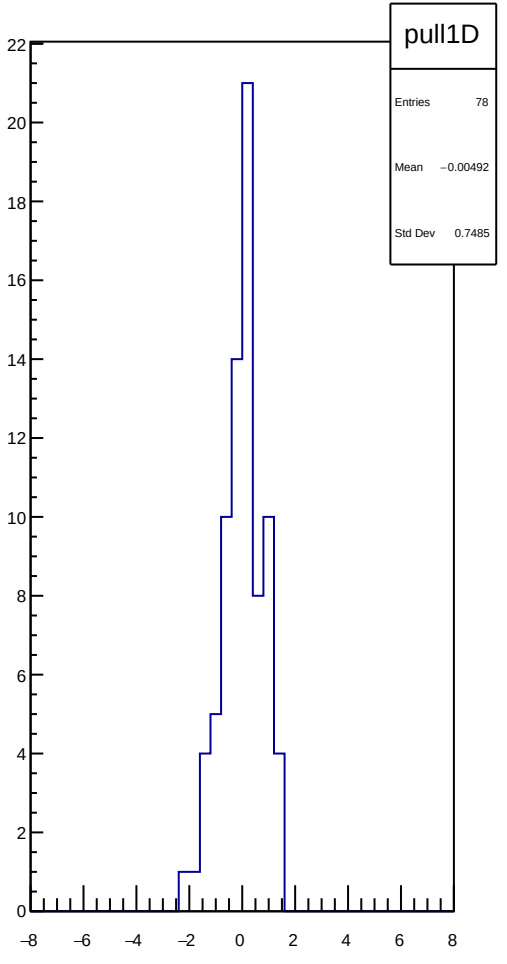

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 43.99 / 77
p0 23.1 ± 4.349
pull
Entries 78
Mean 108
Std Dev 60.96

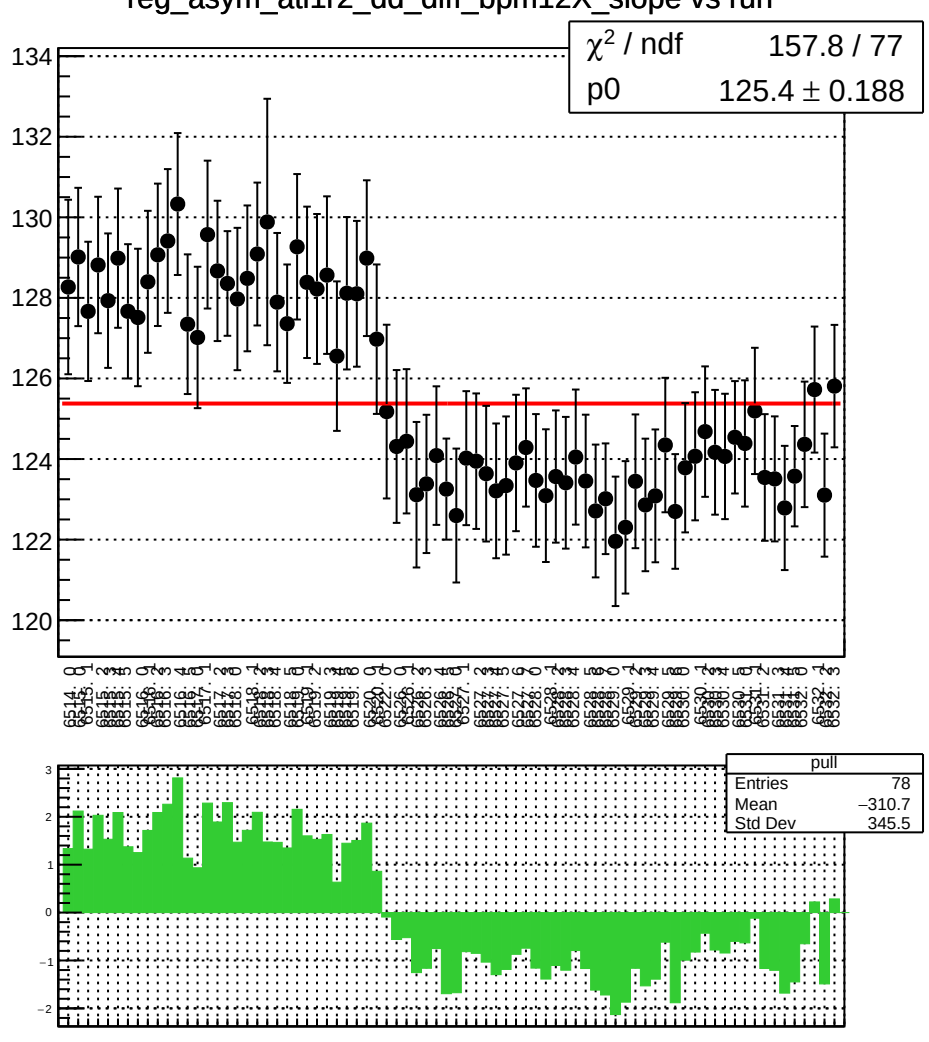

pull1D
Entries 78
Mean 0.04145
Std Dev 0.7498

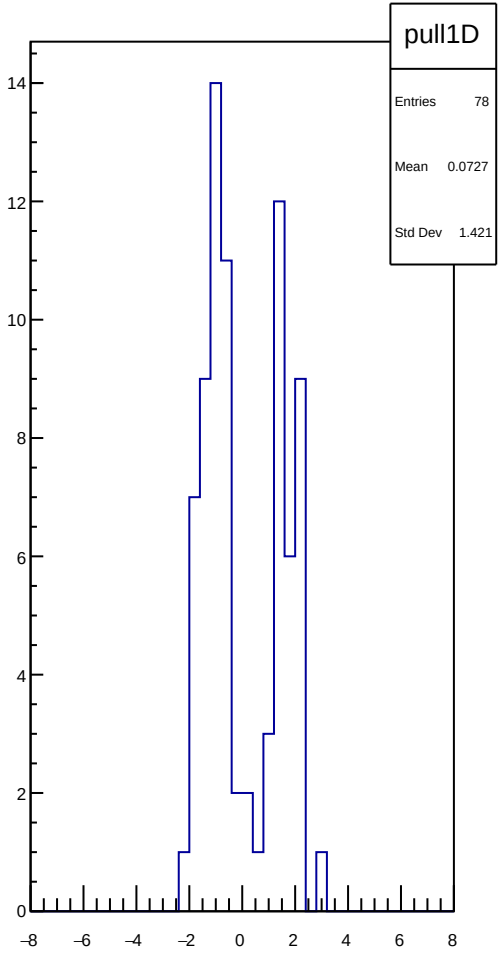

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 76.91 / 77
p0 −214.3 ± 4.744
pull
Entries 78
Mean 215.8
Std Dev 178.4

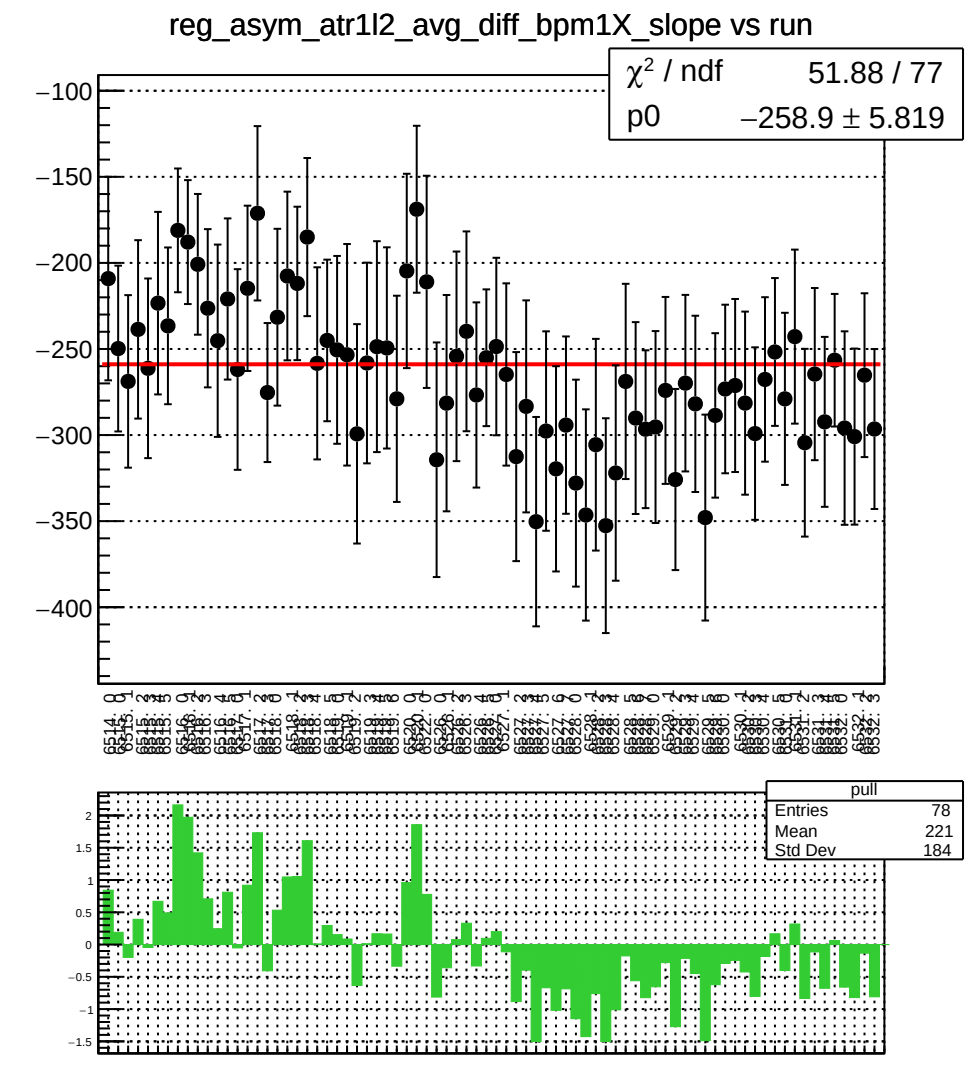

pull1D
Entries 78
Mean −0.07437
Std Dev 0.9902

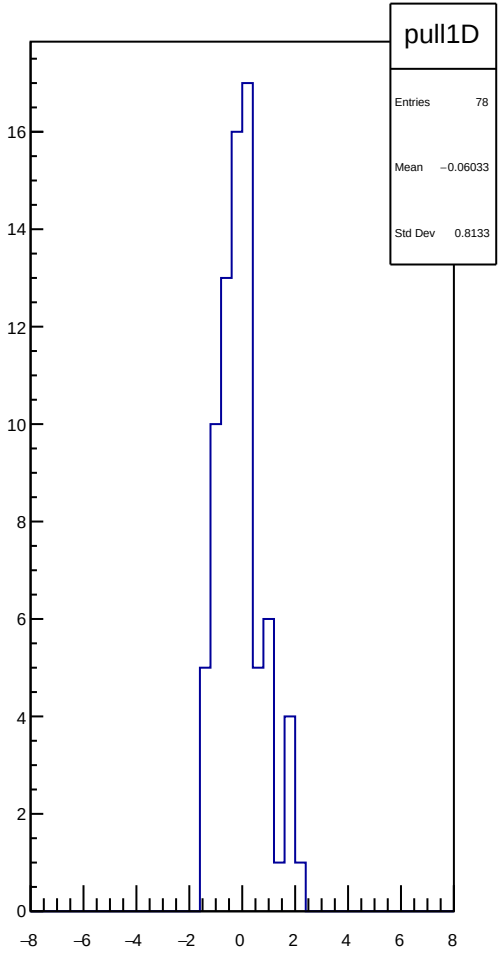

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 43.71 / 77
p0 −99.61 ± 4.995
pull
Entries 78
Mean 509.9
Std Dev 462.8

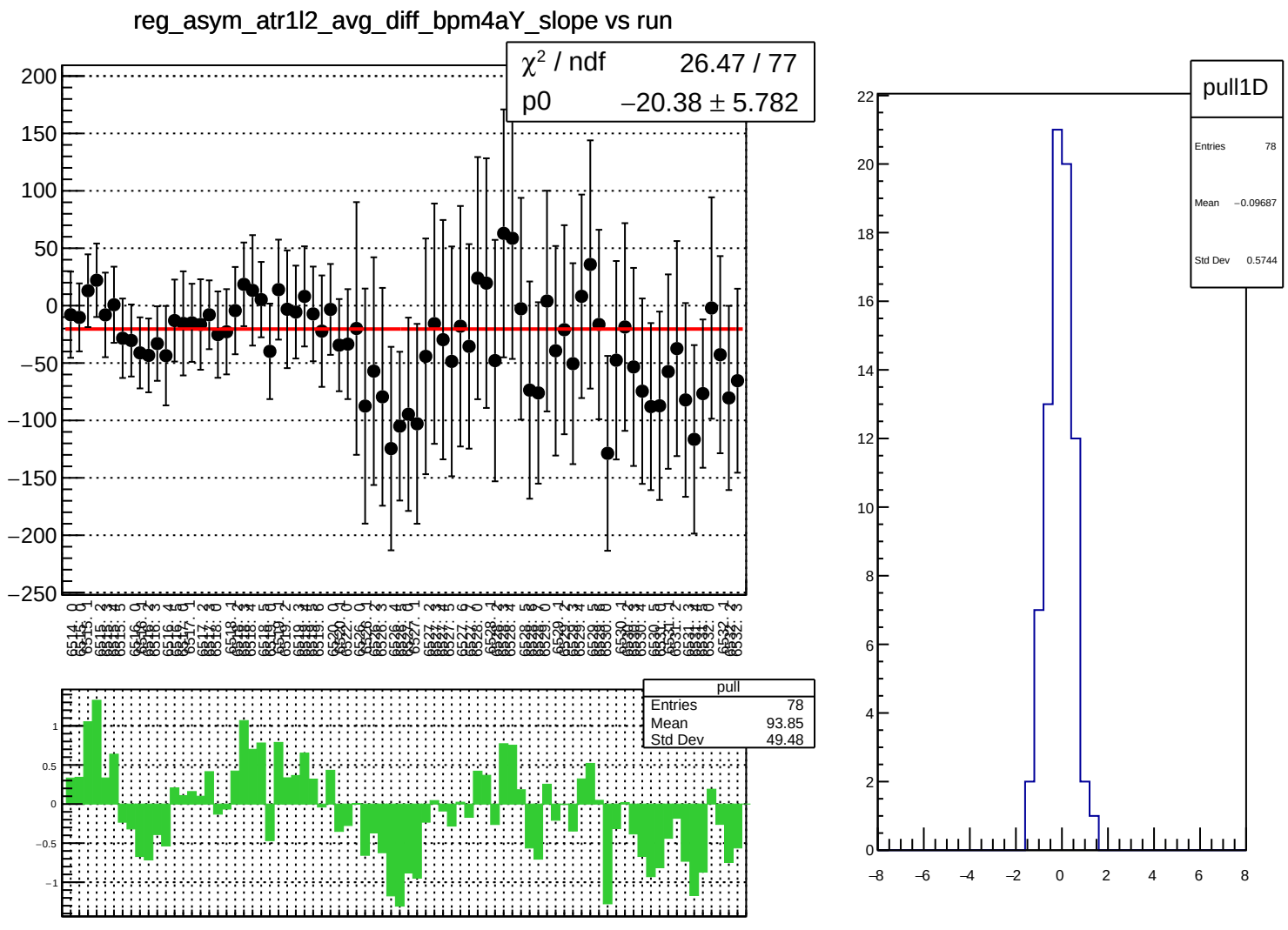

pull1D
Entries 78
Mean −0.00492
Std Dev 0.7485

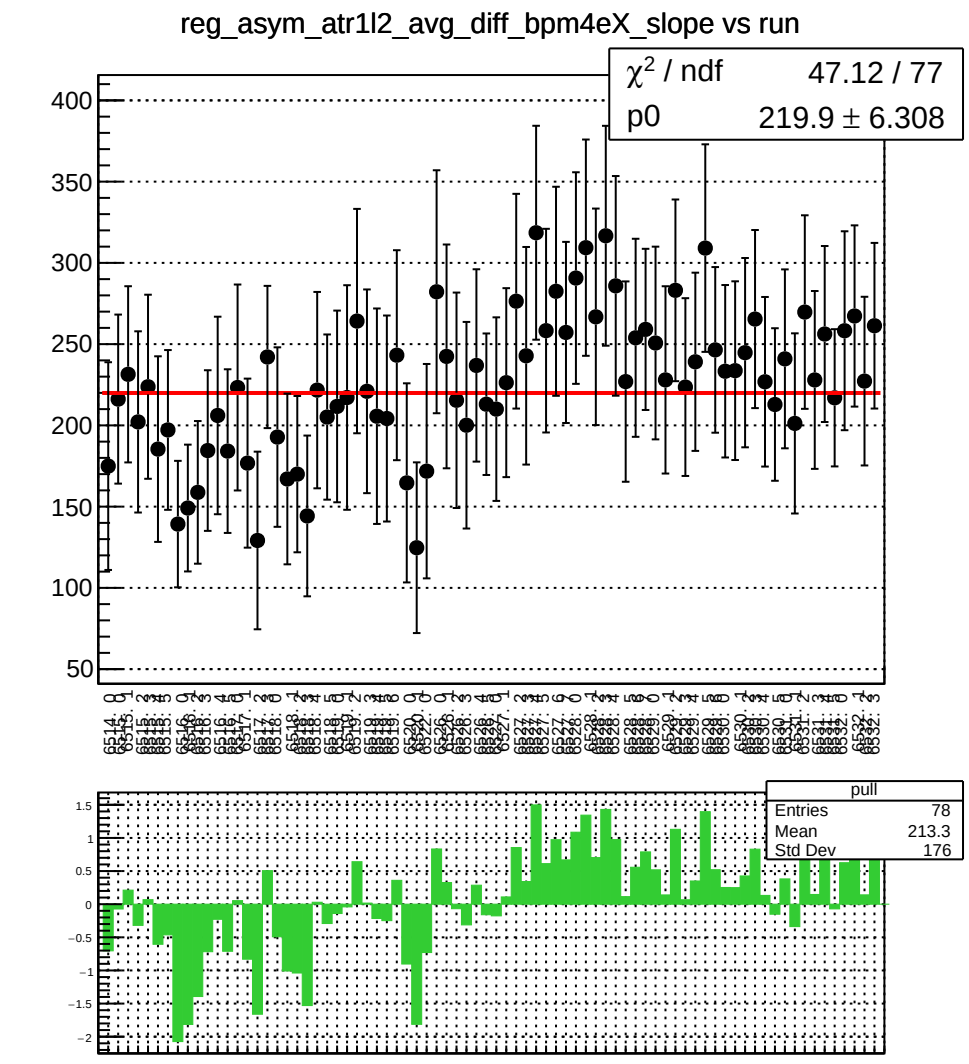

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 157.8 / 77
p0 125.4 ± 0.188
pull
Entries 78
Mean −310.7
Std Dev 345.5

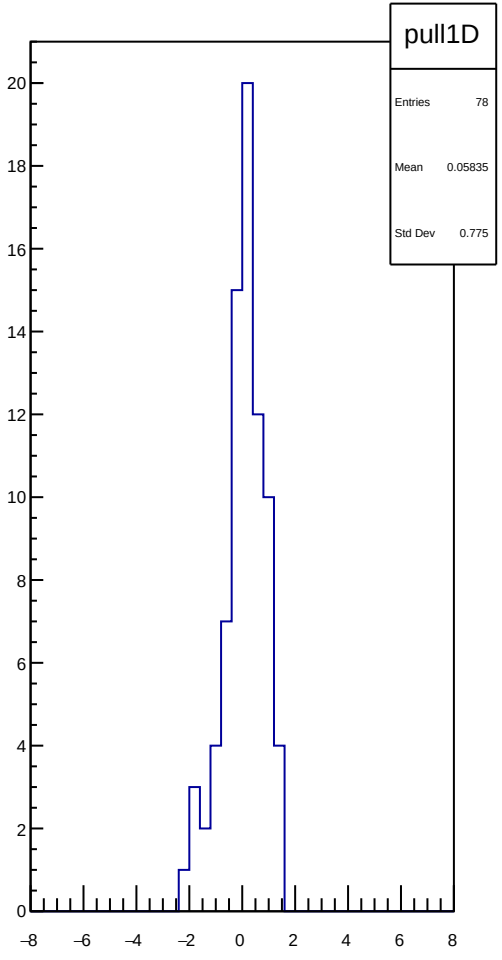

pull1D
Entries 78
Mean 0.0727
Std Dev 1.421

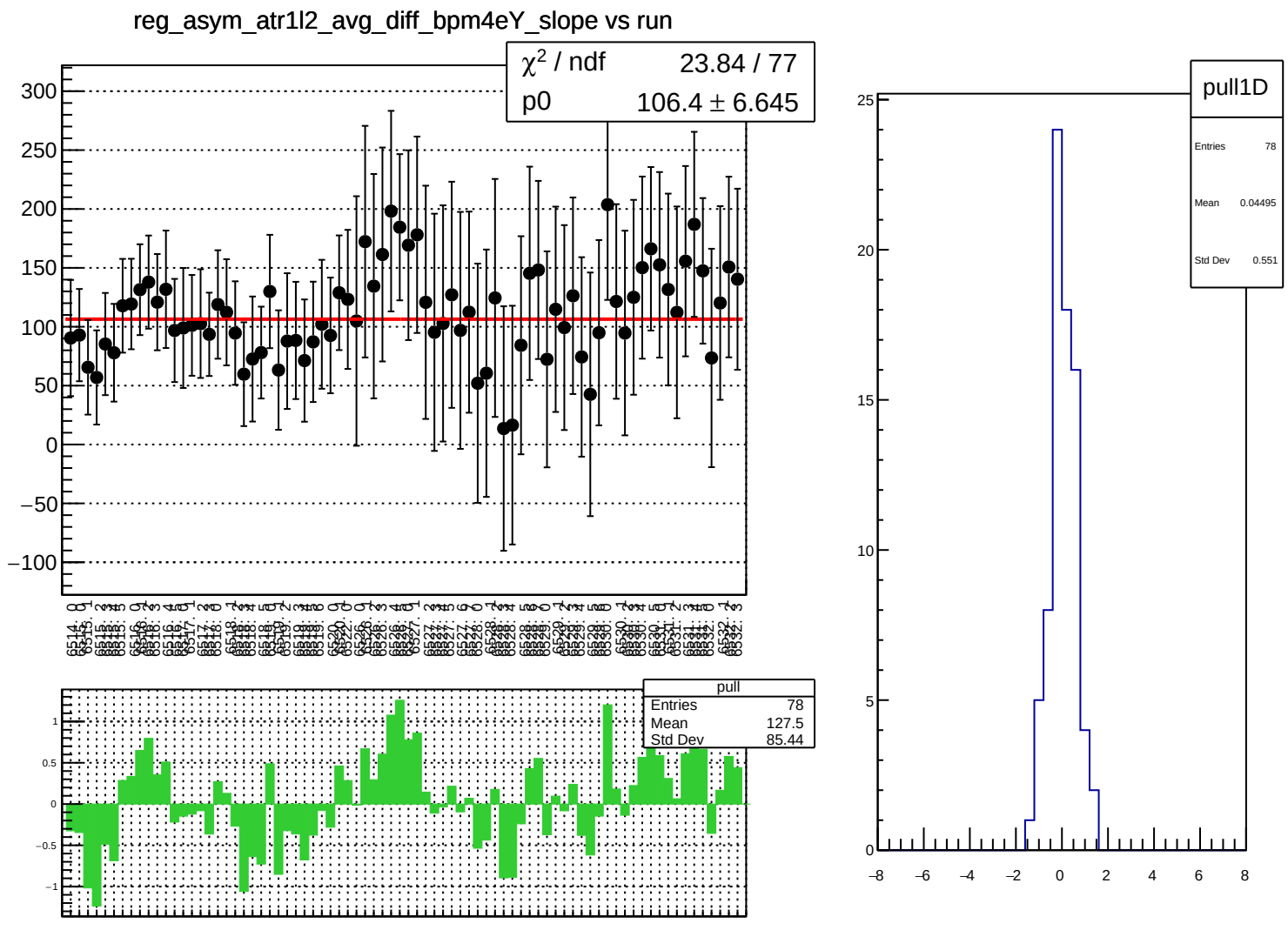

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 51.88 / 77
p0 −258.9 ± 5.819
pull
Entries 78
Mean 221
Std Dev 184

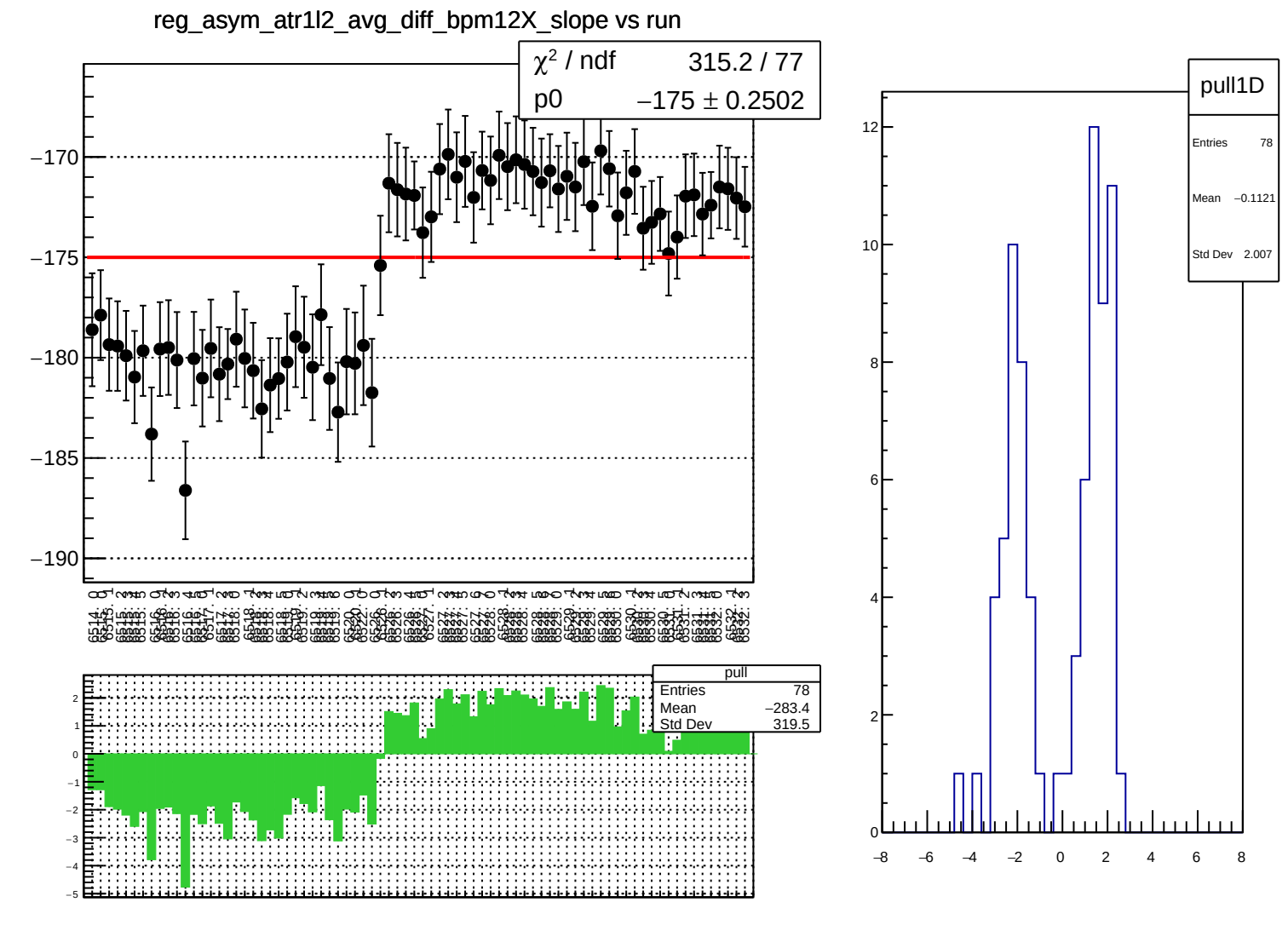

pull1D
Entries 78
Mean −0.06033
Std Dev 0.8133

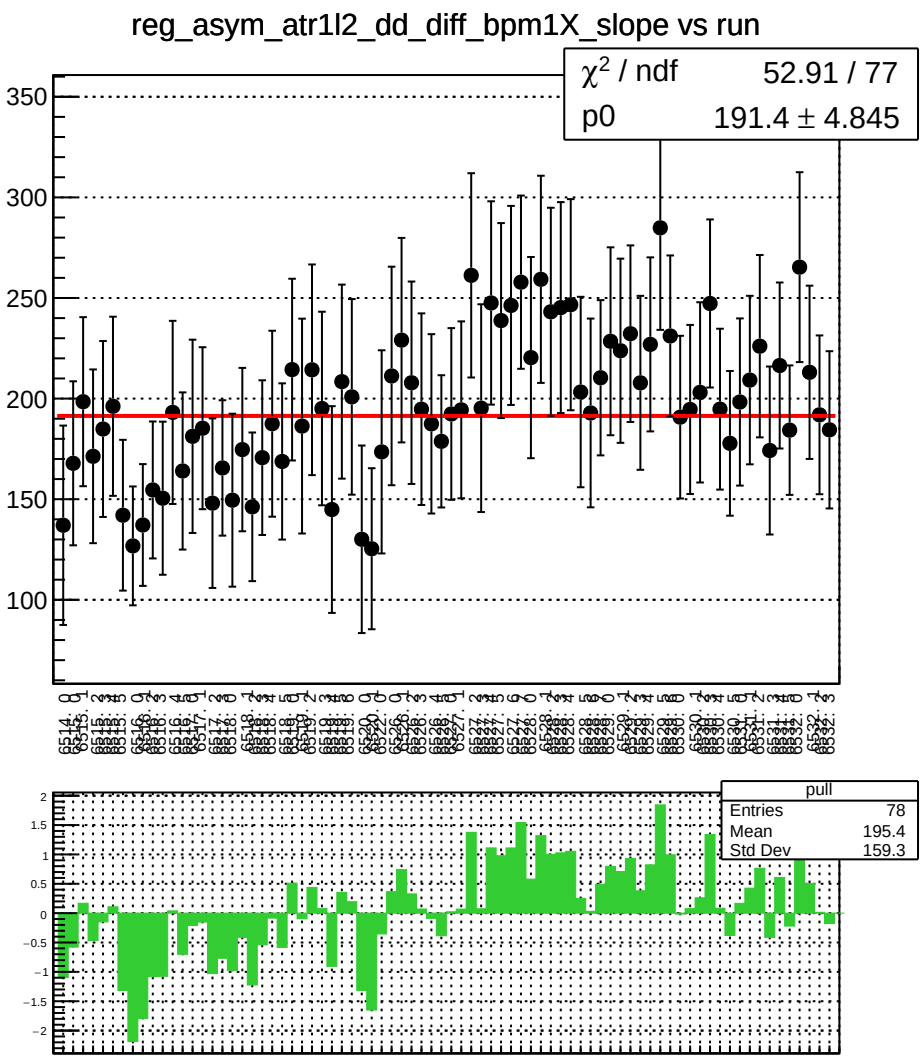

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 26.47 / 77
p0 −20.38 ± 5.782
pull
Entries 78
Mean 93.85
Std Dev 49.48
pull1D
Entries 78
Mean −0.09687
Std Dev 0.5744

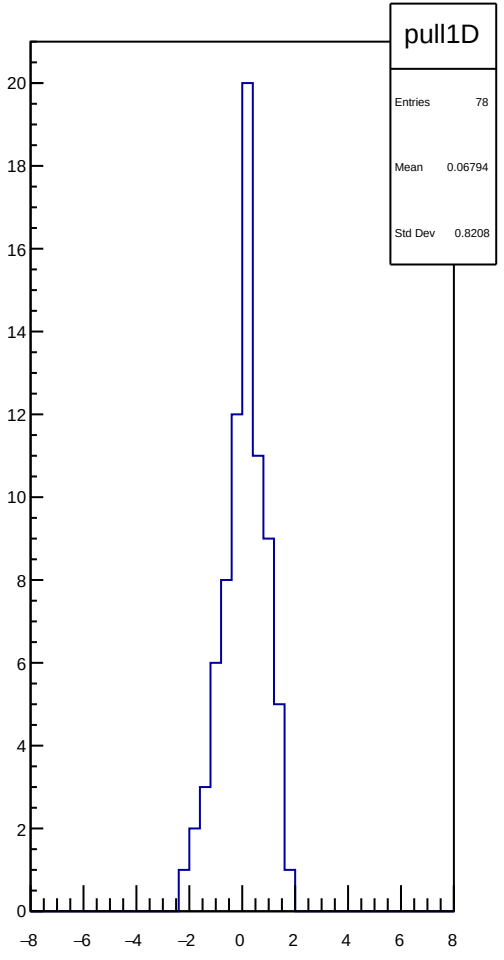

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 47.12 / 77
p0 219.9 ± 6.308
pull
Entries 78
Mean 213.3
Std Dev 176

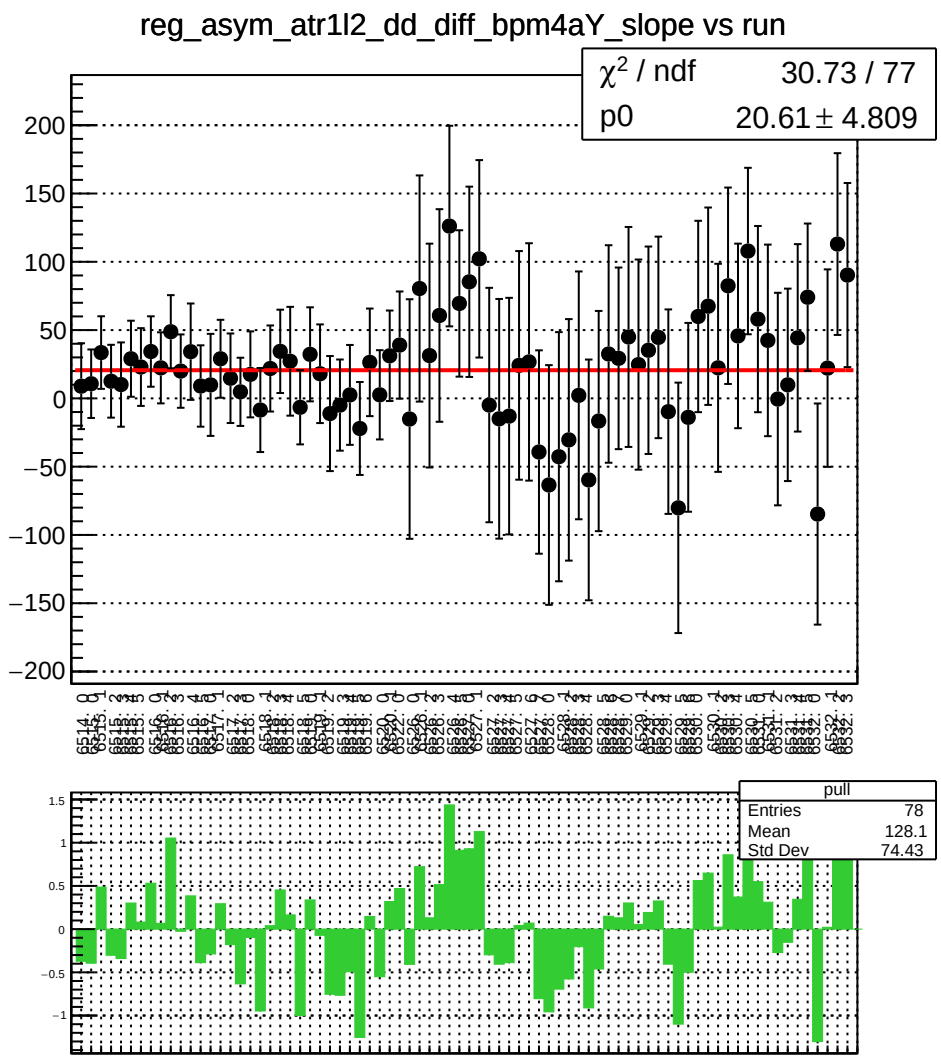

pull1D
Entries 78
Mean 0.05835
Std Dev 0.775

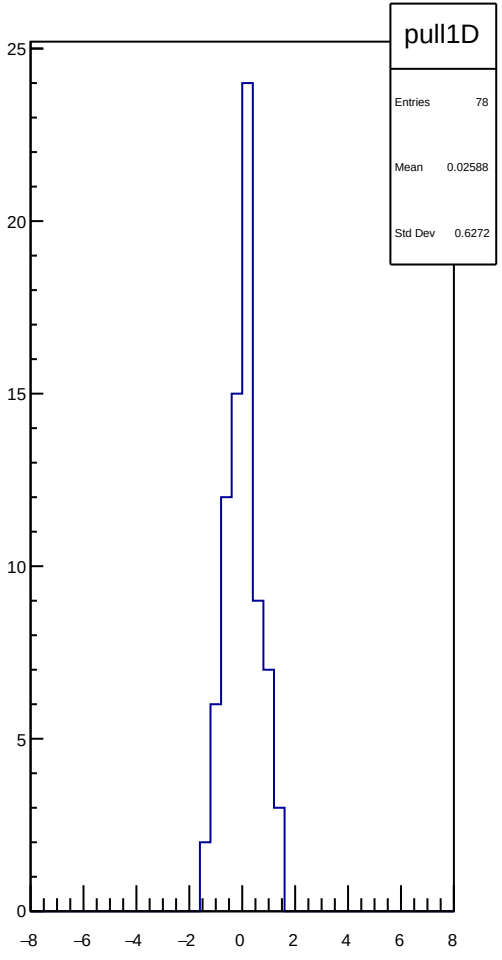

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 23.84 / 77
p0 106.4 ± 6.645
pull
Entries 78
Mean 127.5
Std Dev 85.44
pull1D
Entries 78
Mean 0.04495
Std Dev 0.551

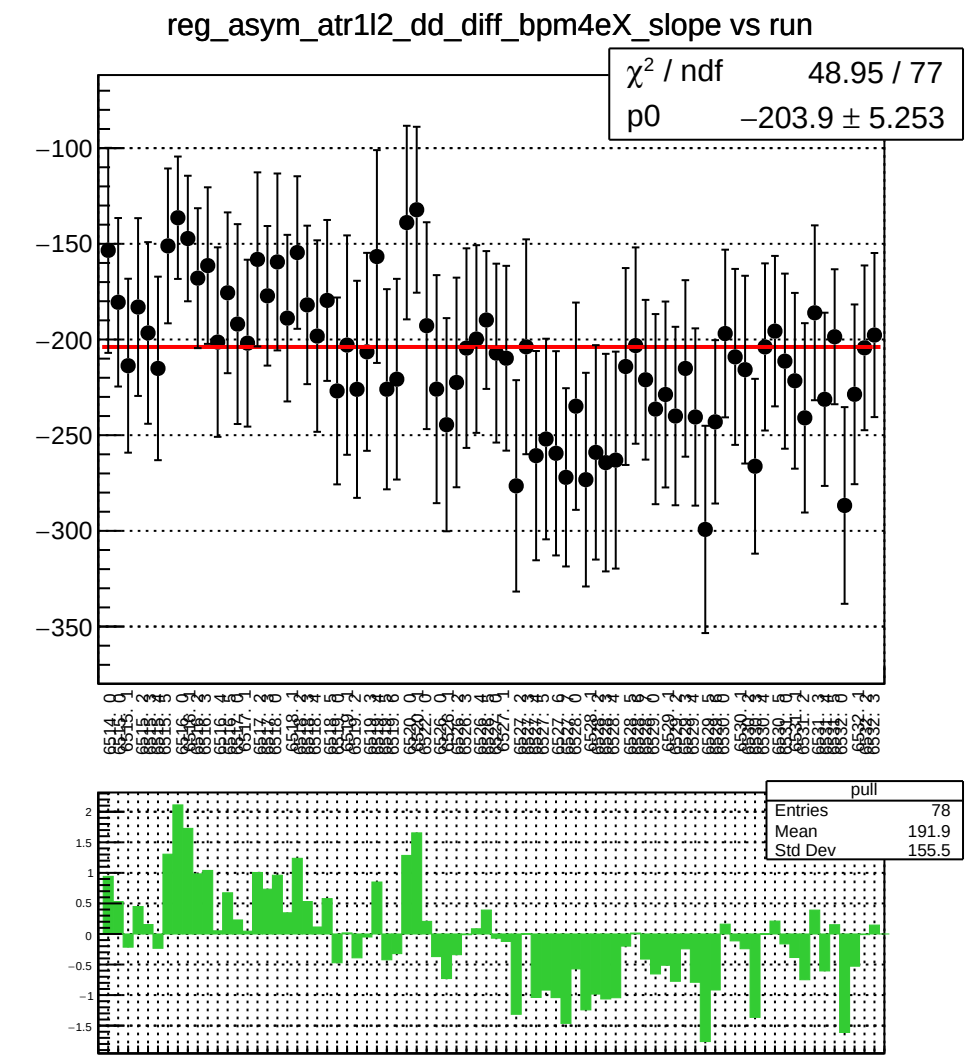

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 315.2 / 77
p0 −175 ± 0.2502
−170
−175
−180
−185
−190
pull
Entries 78
Mean −283.4
Std Dev 319.5
pull1D
Entries 78
Mean −0.1121
Std Dev 2.007

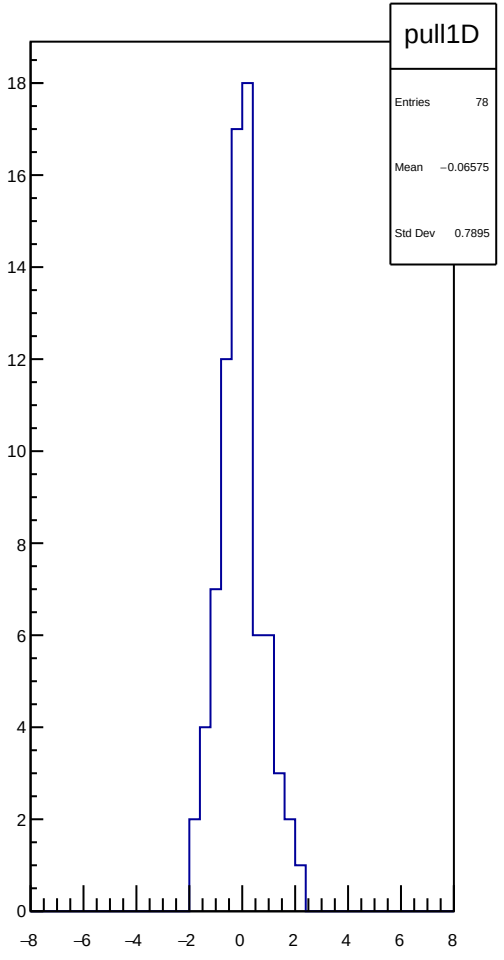

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 52.91 / 77
p0 191.4 ± 4.845
pull
Entries 78
Mean 195.4
Std Dev 159.3

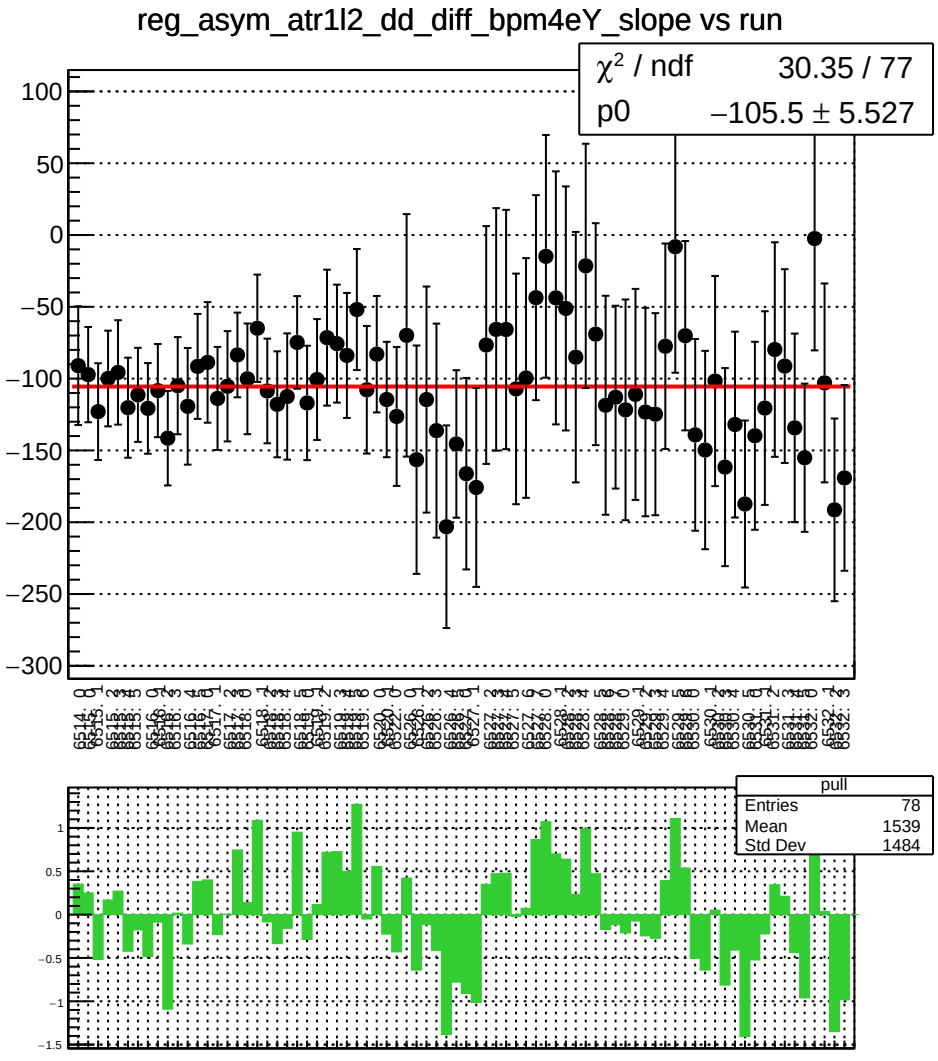

pull1D
Entries 78
Mean 0.06794
Std Dev 0.8208

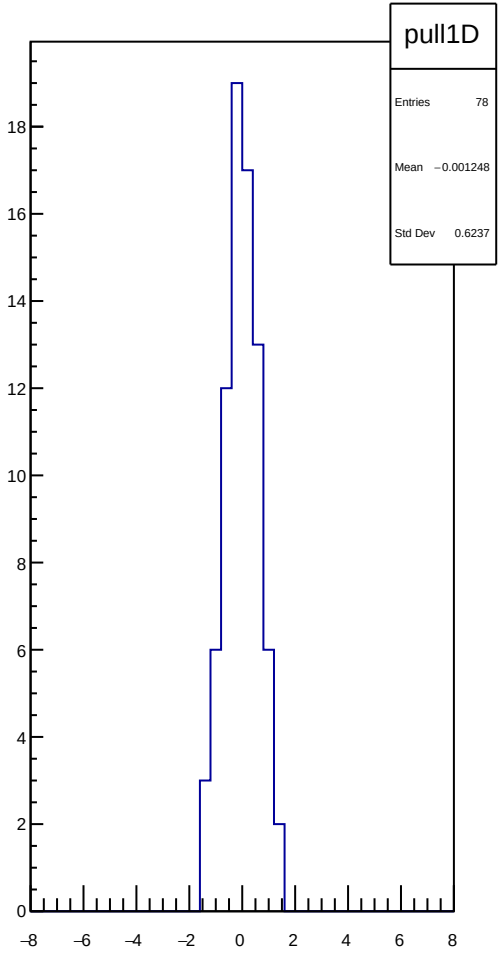

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 30.73 / 77
p0 20.61 ± 4.809
pull
Entries 78
Mean 128.1
Std Dev 74.43

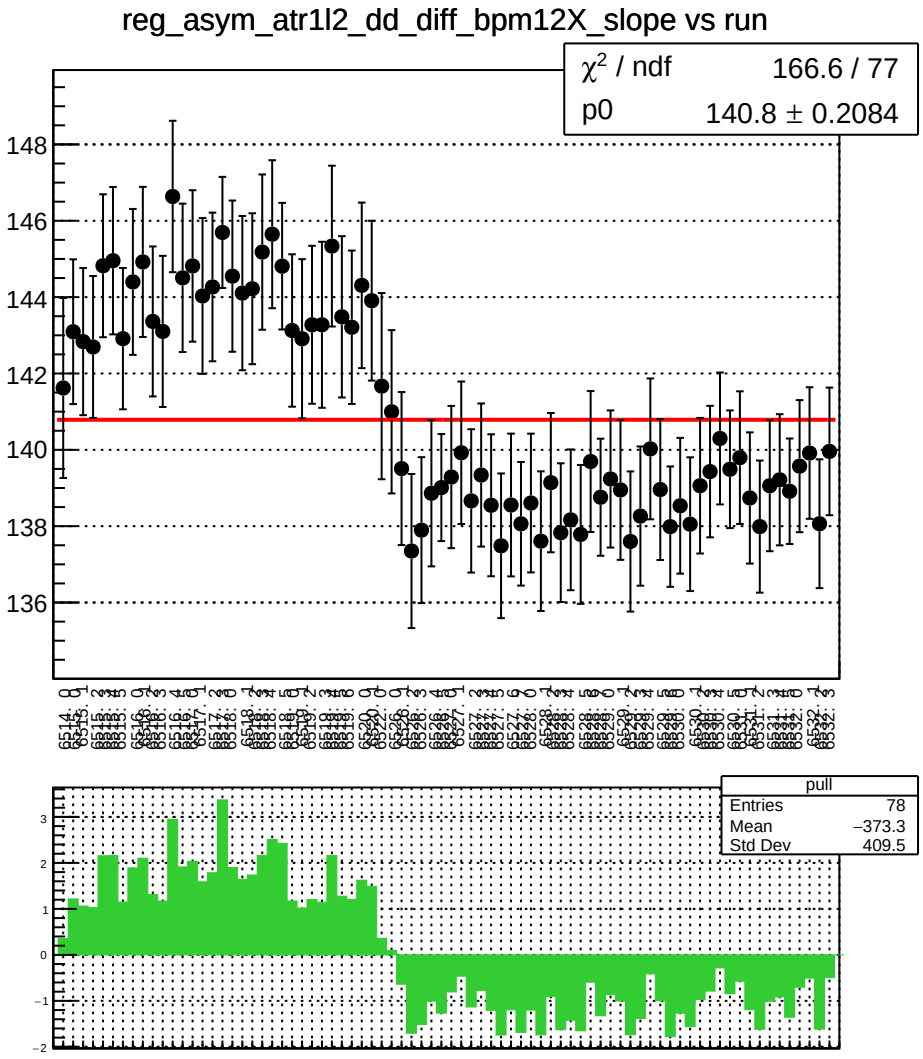

pull1D
Entries 78
Mean 0.02588
Std Dev 0.6272

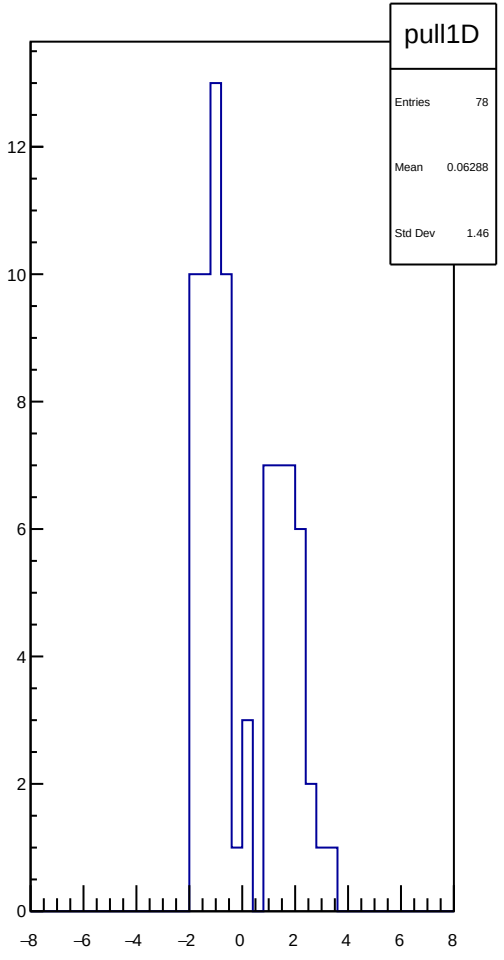

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 48.95 / 77
p0 −203.9 ± 5.253
pull
Entries 78
Mean 191.9
Std Dev 155.5

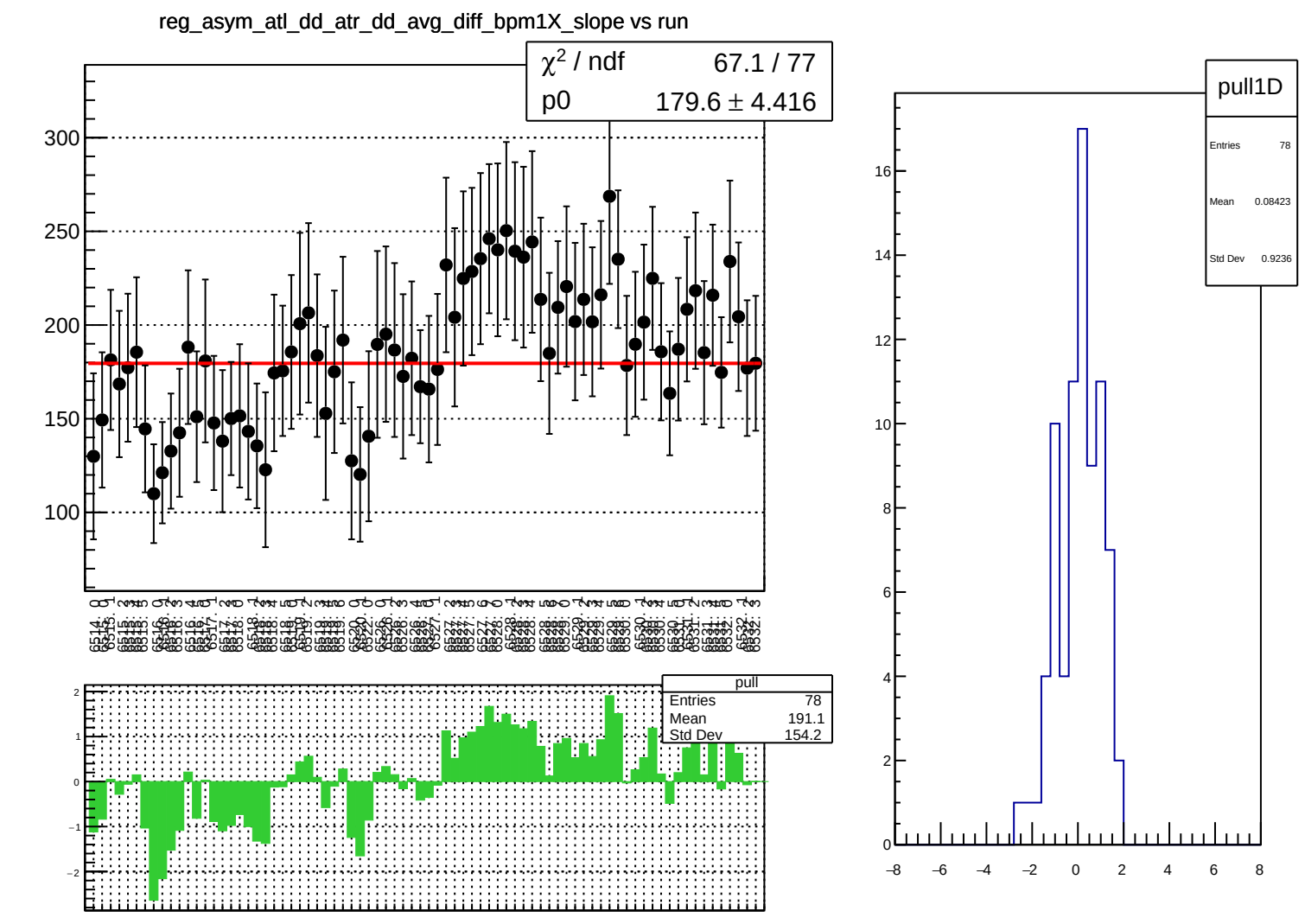

pull1D
Entries 78
Mean −0.06575
Std Dev 0.7895

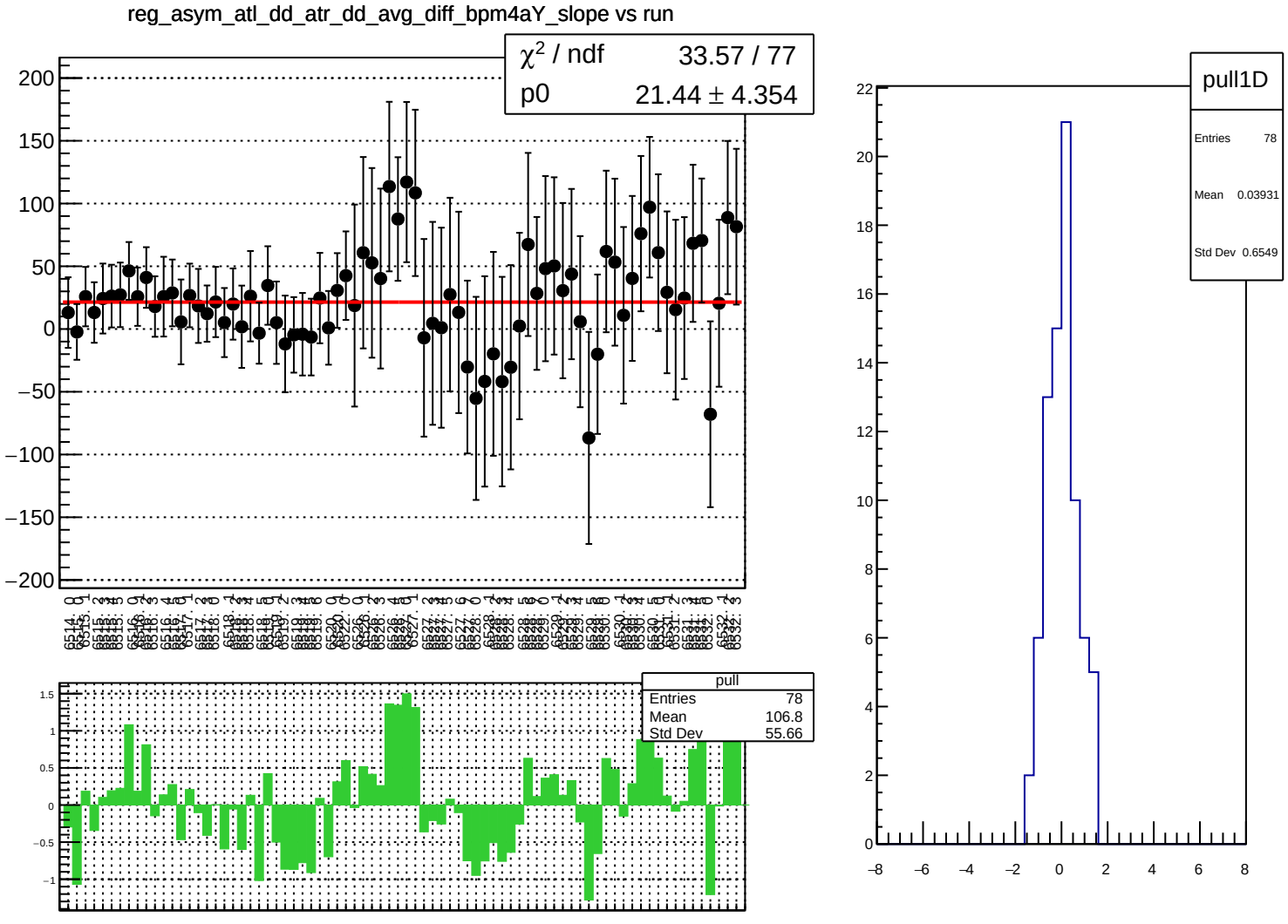

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 30.35 / 77
p0 −105.5 ± 5.527
pull
Entries 78
Mean 1539
Std Dev 1484

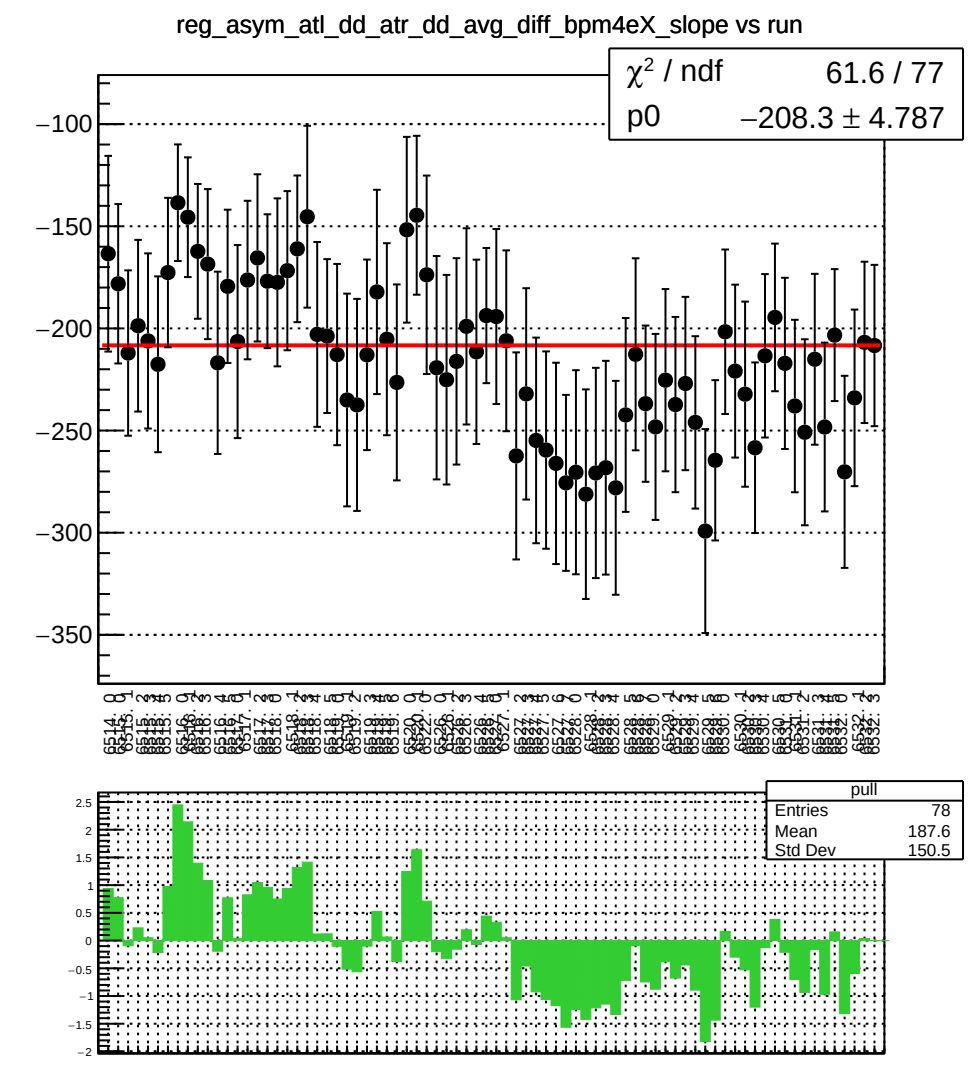

pull1D
Entries 78
Mean −0.001248
Std Dev 0.6237

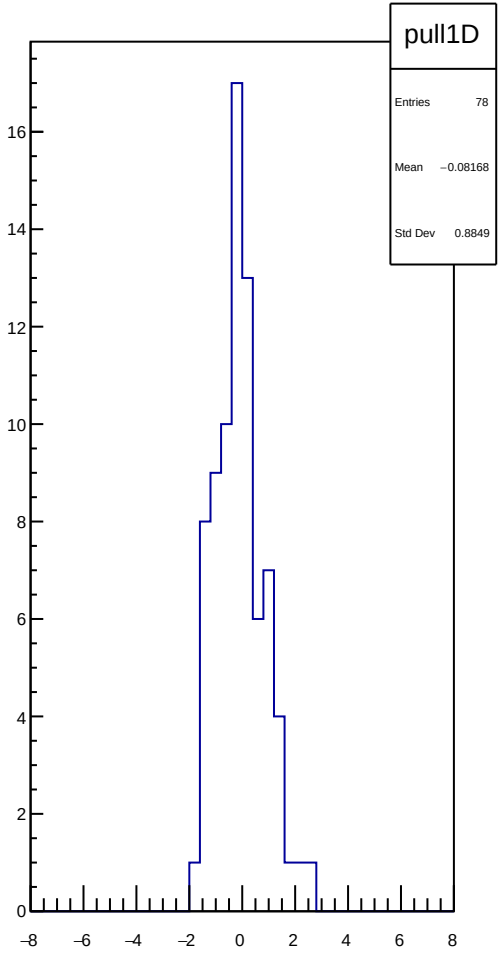

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 166.6 / 77
p0 140.8 ± 0.2084
148
146
144
142
140
138
136
pull
Entries 78
Mean −373.3
Std Dev 409.5
3
2
1
0
−1
−2

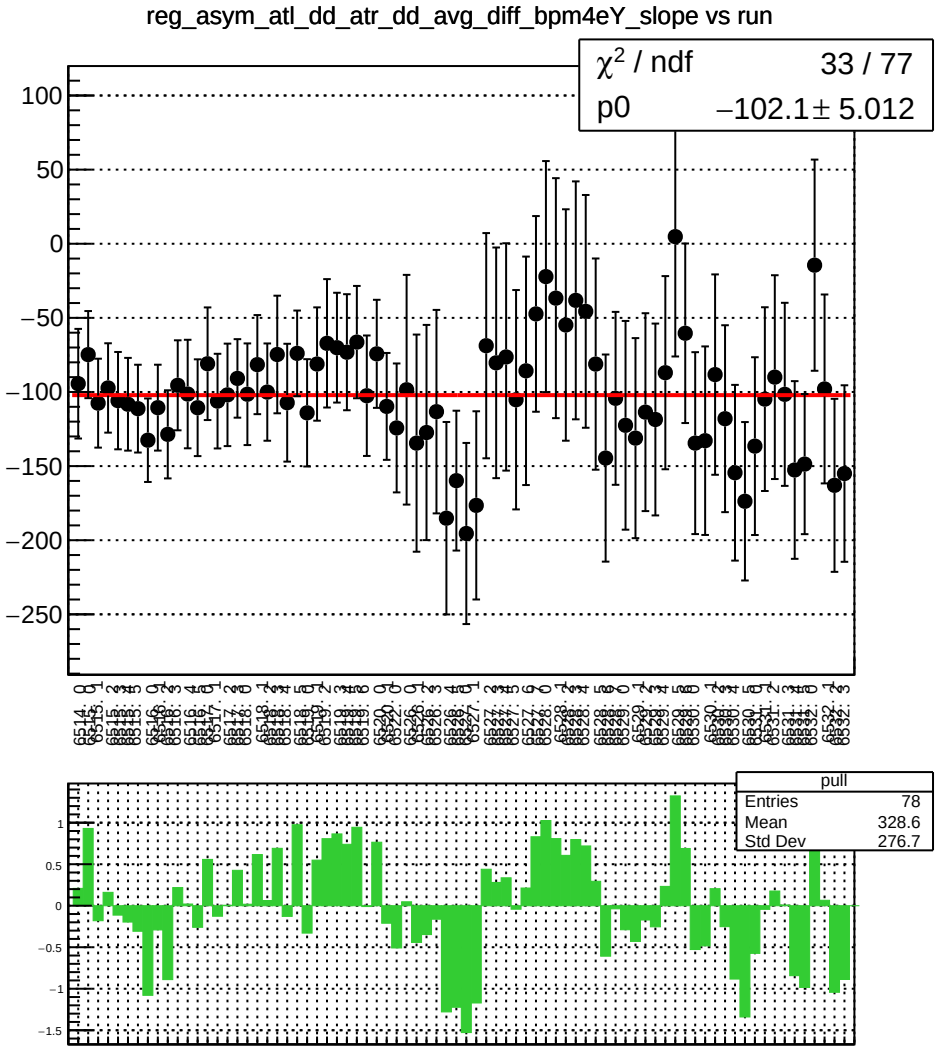

pull1D
Entries 78
Mean 0.06288
Std Dev 1.46
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

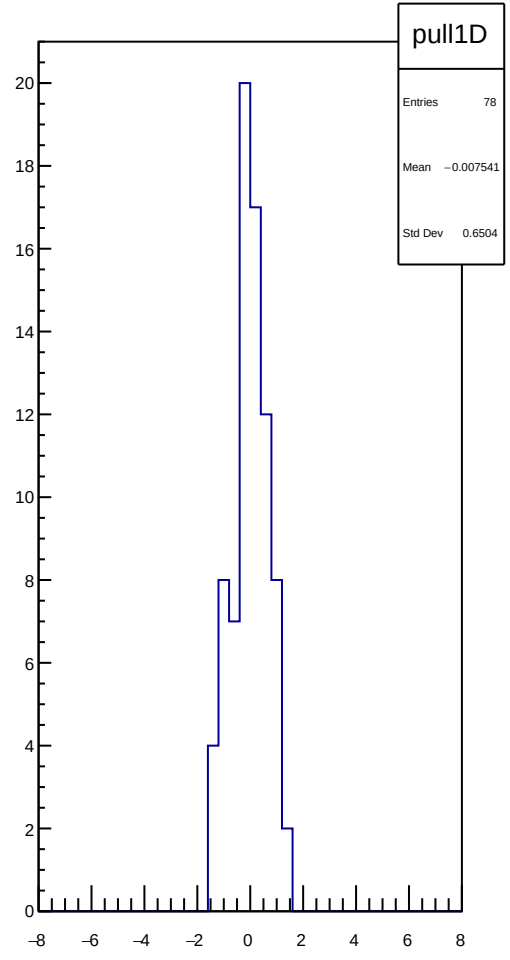

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 67.1 / 77
p0 179.6 ± 4.416
300
250
200
150
100
pull
Entries 78
Mean 191.1
Std Dev 154.2
2
1
0
−1
−2
pull1D
Entries 78
Mean 0.08423
Std Dev 0.9236
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

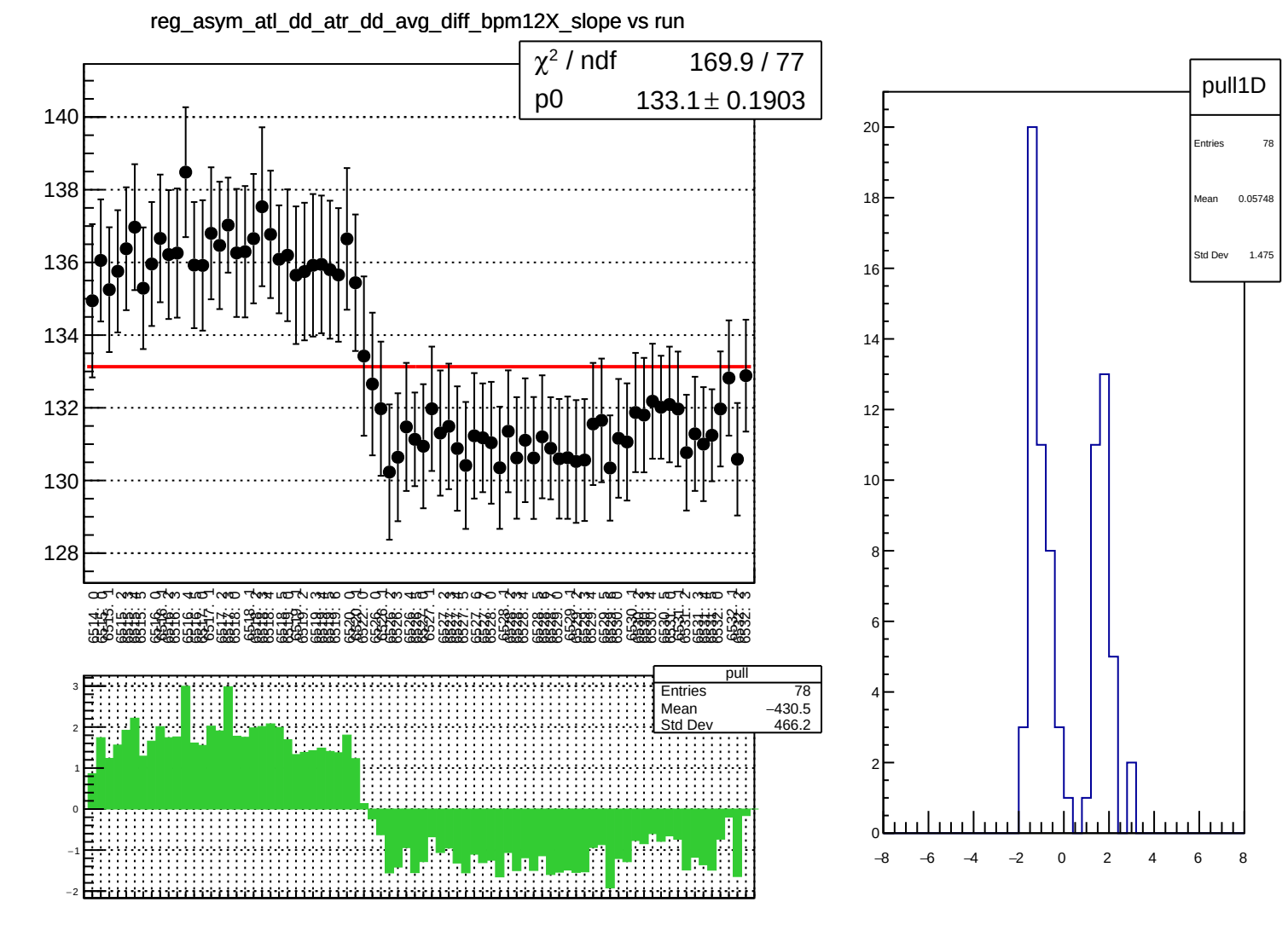

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 33.57 / 77
p0 21.44 ± 4.354
pull
Entries 78
Mean 106.8
Std Dev 55.66
pull1D
Entries 78
Mean 0.03931
Std Dev 0.6549

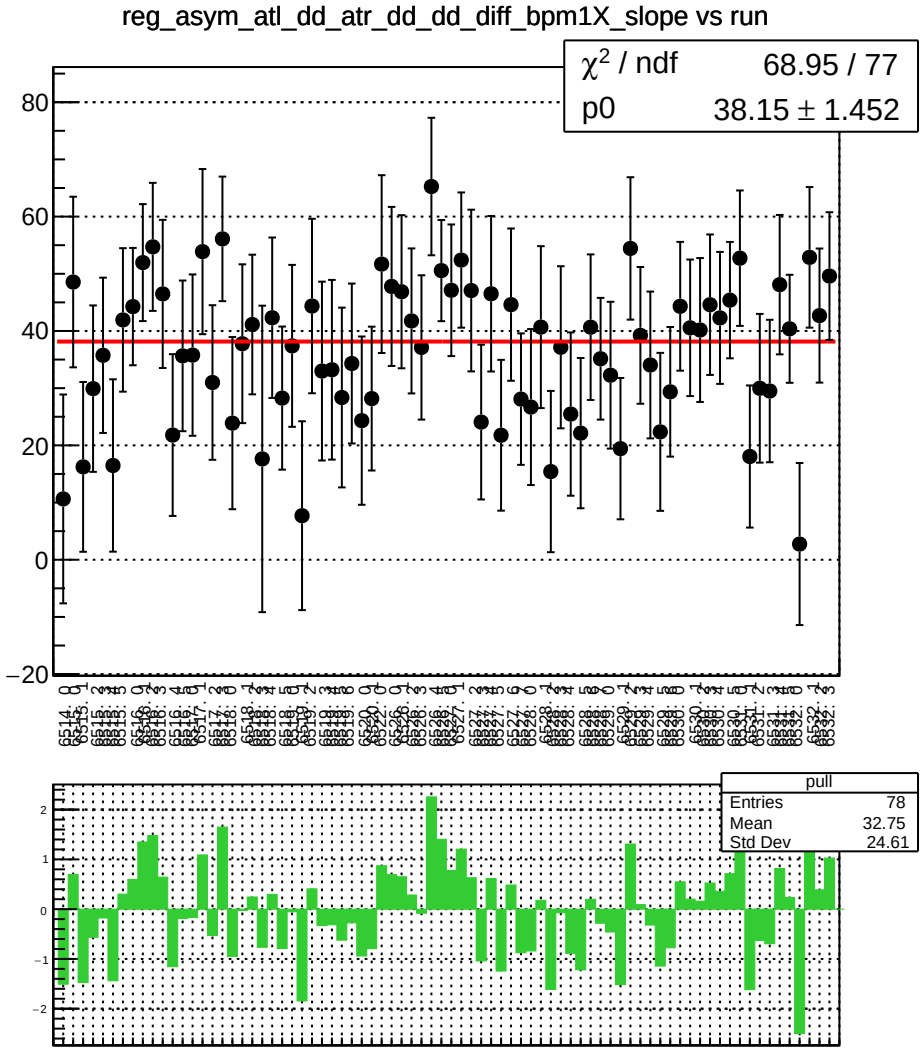

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 61.6 / 77
p0 −208.3 ± 4.787
pull
Entries 78
Mean 187.6
Std Dev 150.5

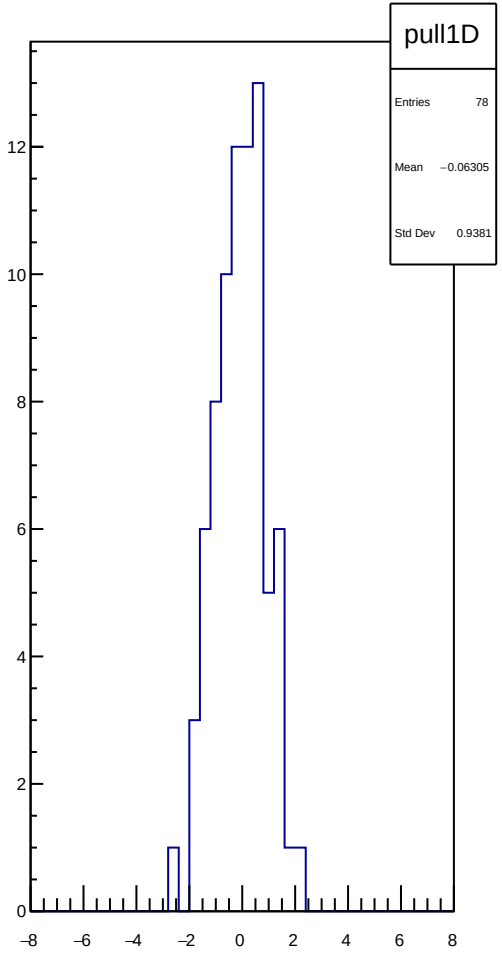

pull1D
Entries 78
Mean −0.08168
Std Dev 0.8849

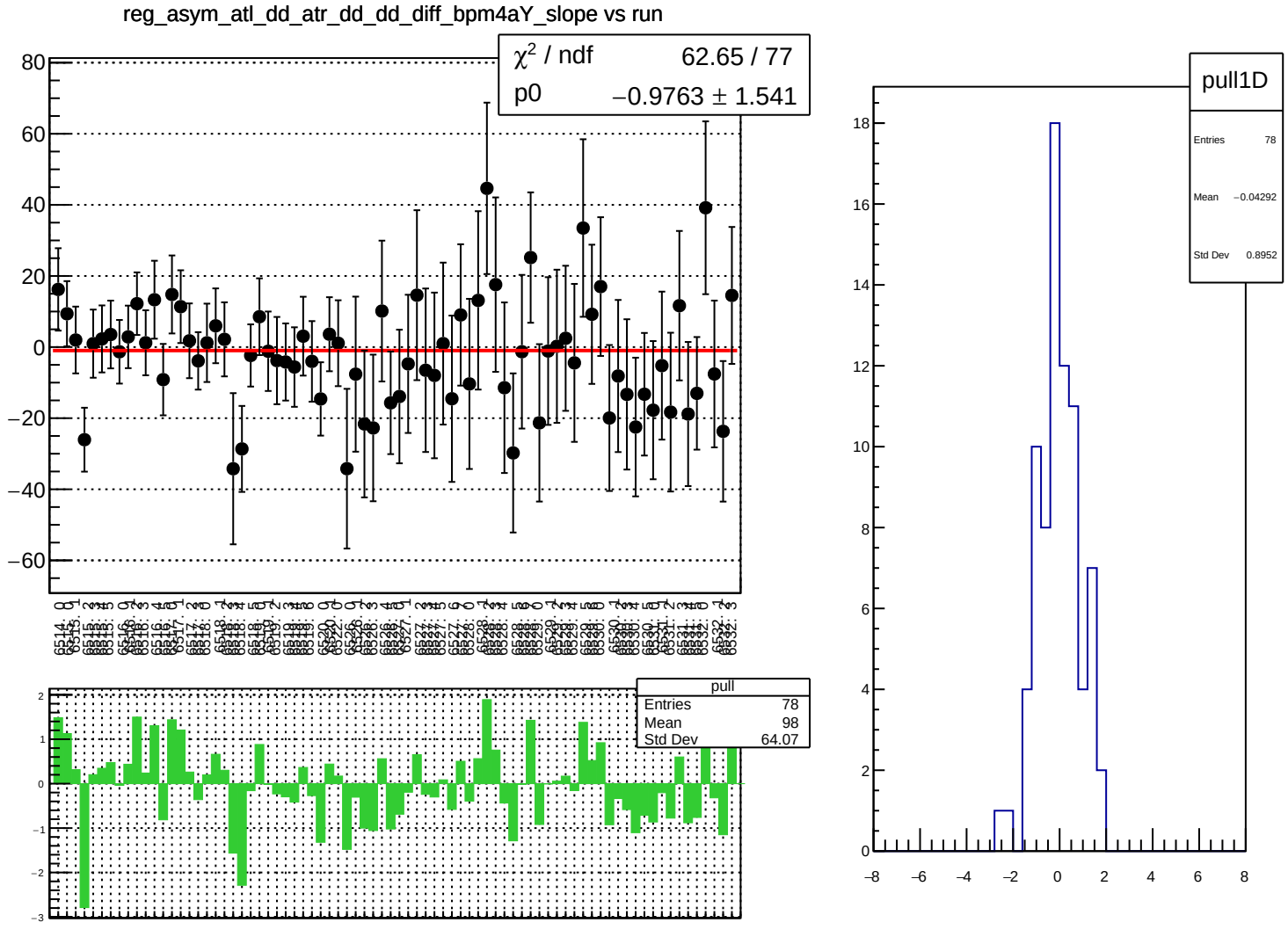

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 33 / 77
p0 −102.1 ± 5.012
pull
Entries 78
Mean 328.6
Std Dev 276.7

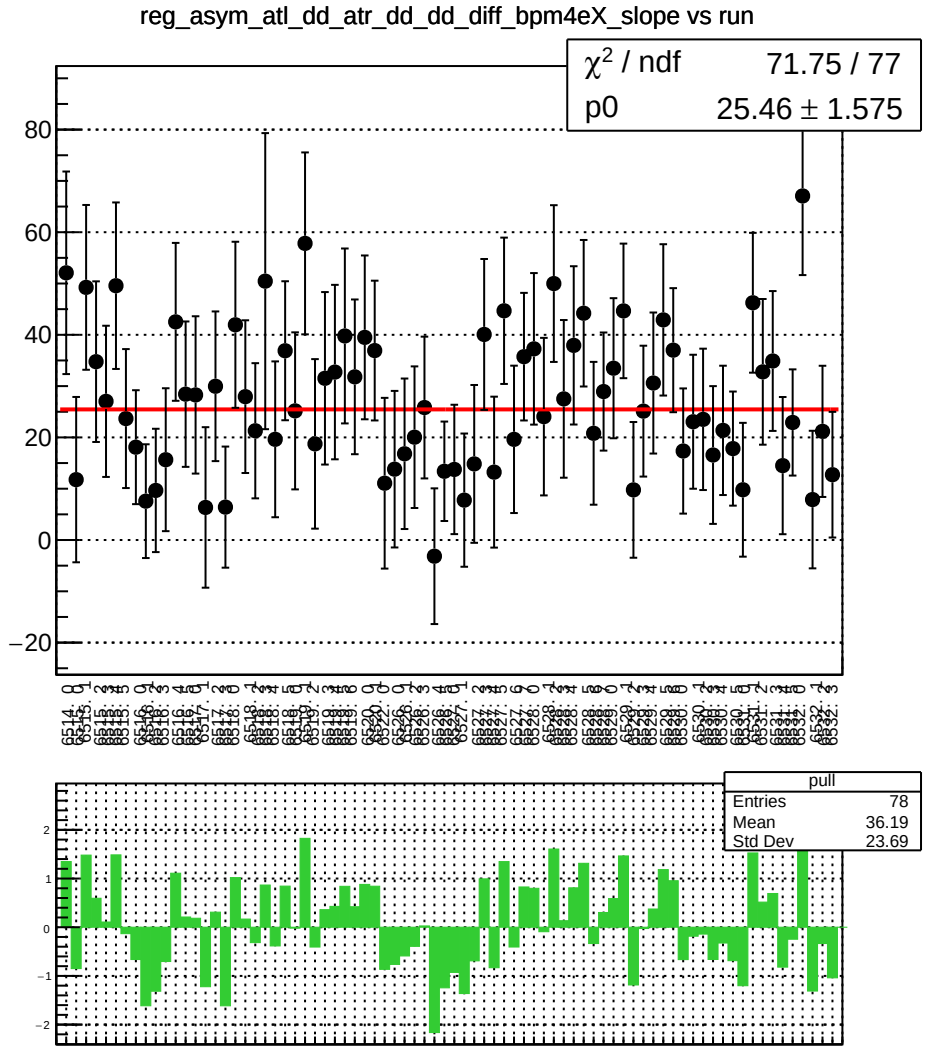

pull1D
Entries 78
Mean −0.007541
Std Dev 0.6504

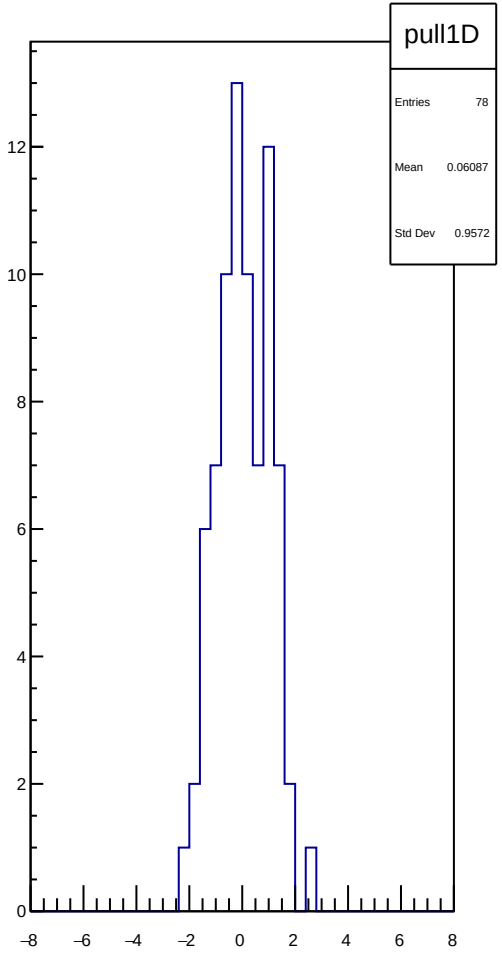

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 169.9 / 77
p0 133.1 ± 0.1903
pull
Entries 78
Mean −430.5
Std Dev 466.2
pull1D
Entries 78
Mean 0.05748
Std Dev 1.475

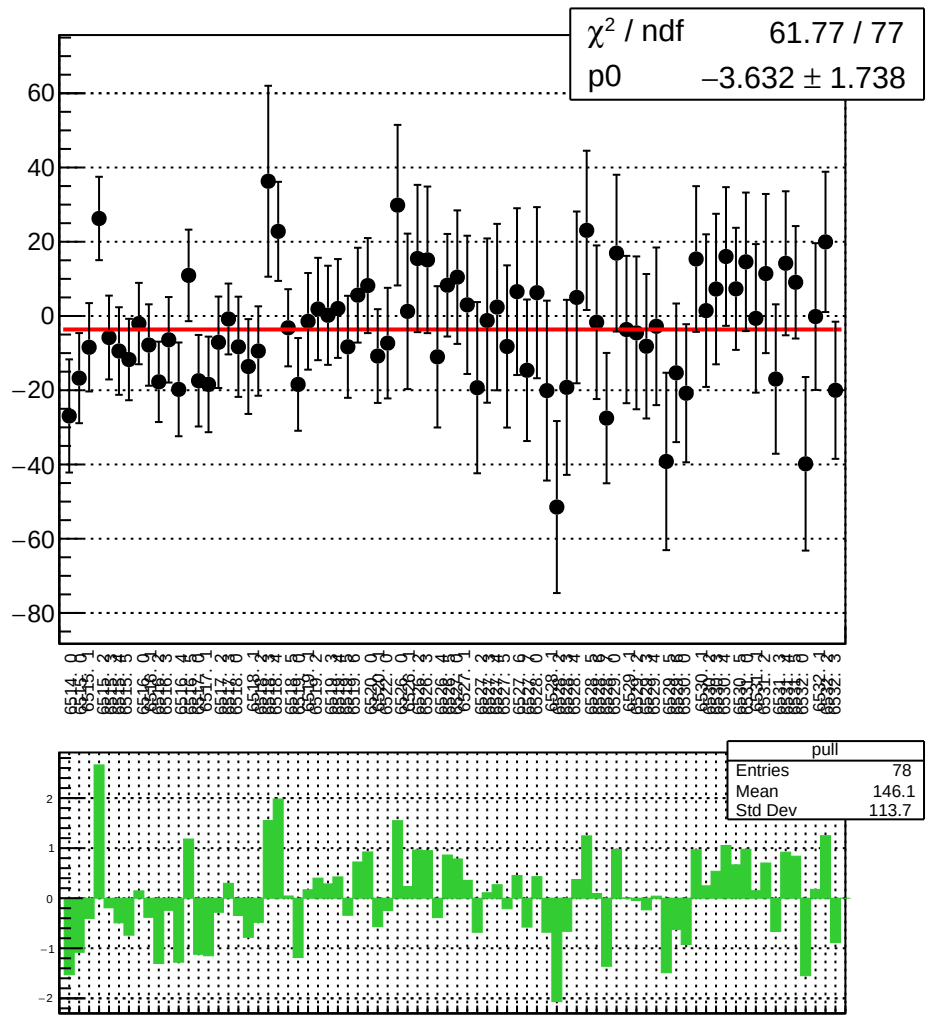

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 68.95 / 77
p0 38.15 ± 1.452
pull
Entries 78
Mean 32.75
Std Dev 24.61

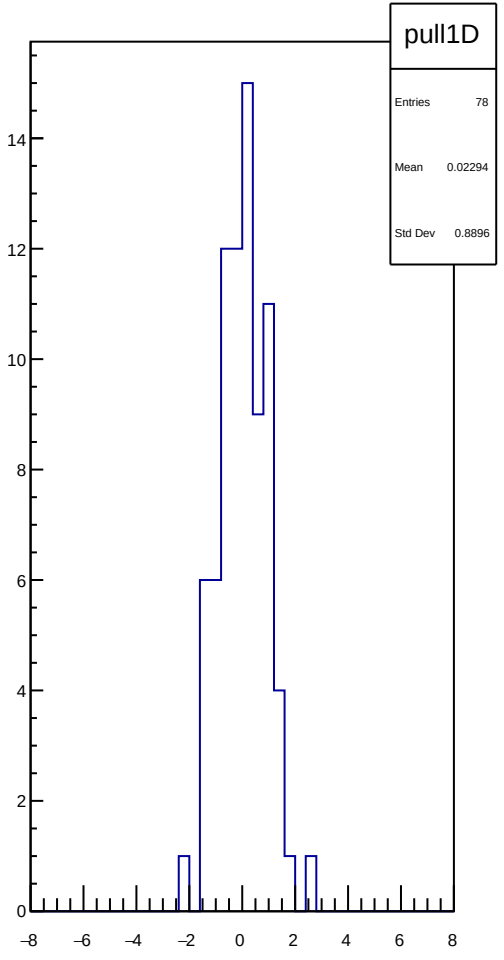

pull1D
Entries 78
Mean −0.06305
Std Dev 0.9381

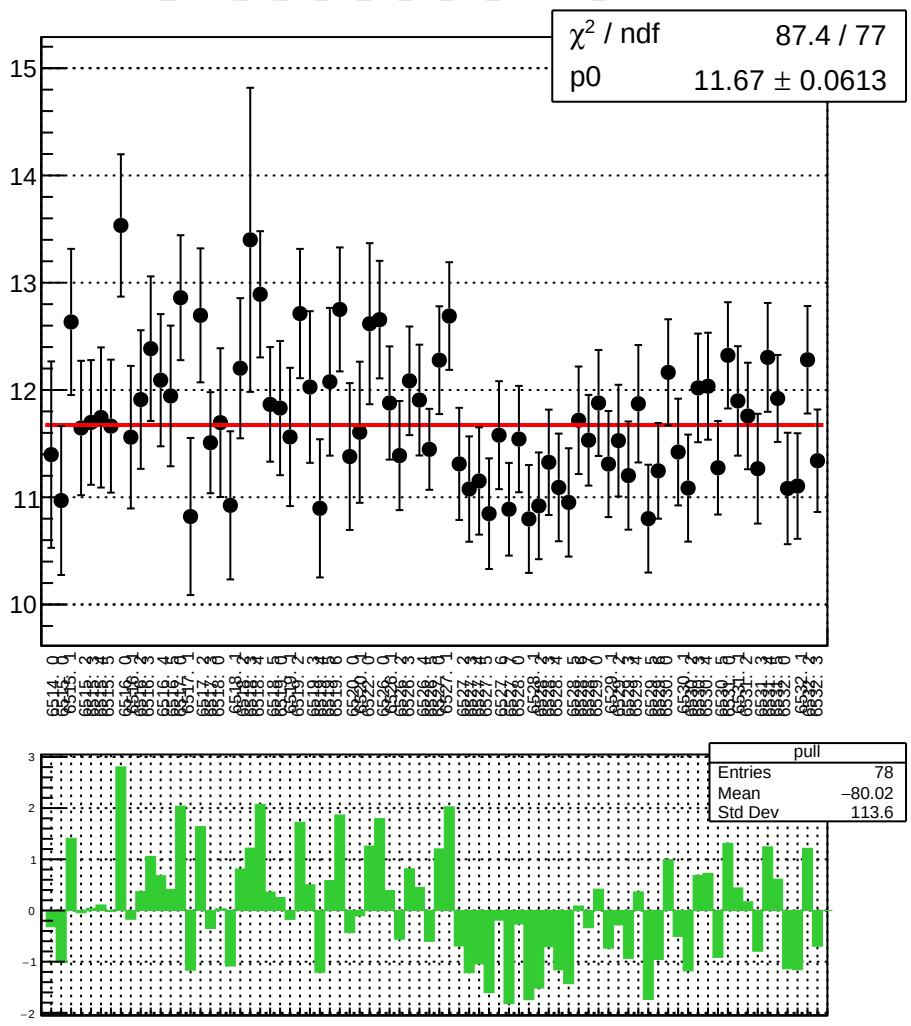

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 62.65 / 77
p0 −0.9763 ± 1.541
pull
Entries 78
Mean 98
Std Dev 64.07
pull1D
Entries 78
Mean −0.04292
Std Dev 0.8952

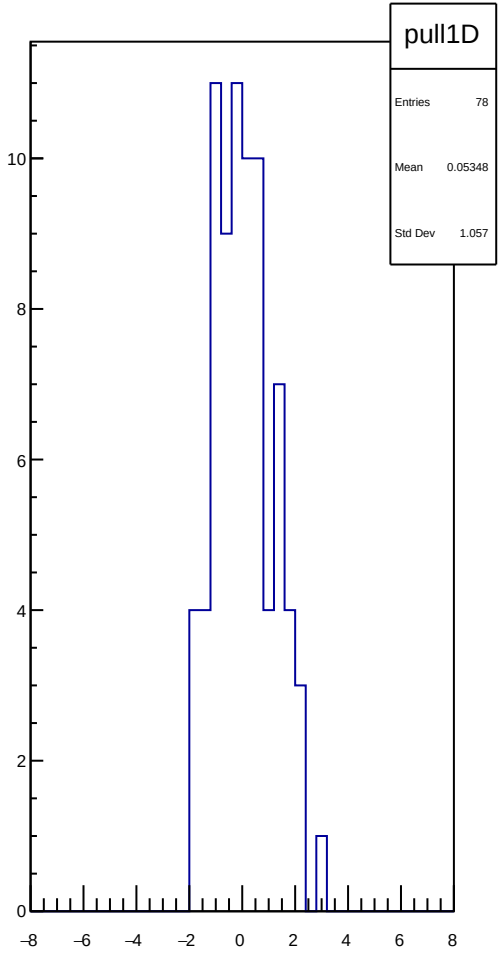

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 71.75 / 77
p0 25.46 ± 1.575
pull
Entries 78
Mean 36.19
Std Dev 23.69

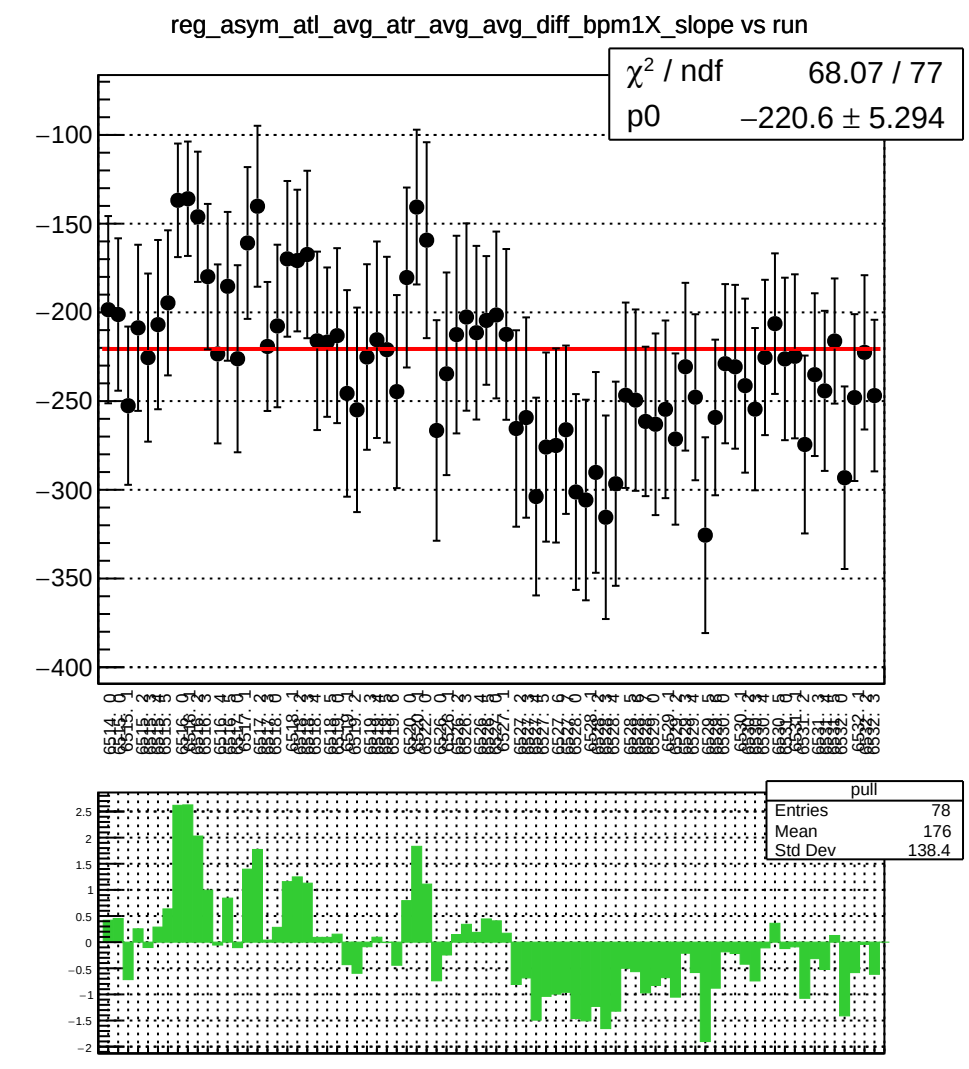

pull1D
Entries 78
Mean 0.06087
Std Dev 0.9572

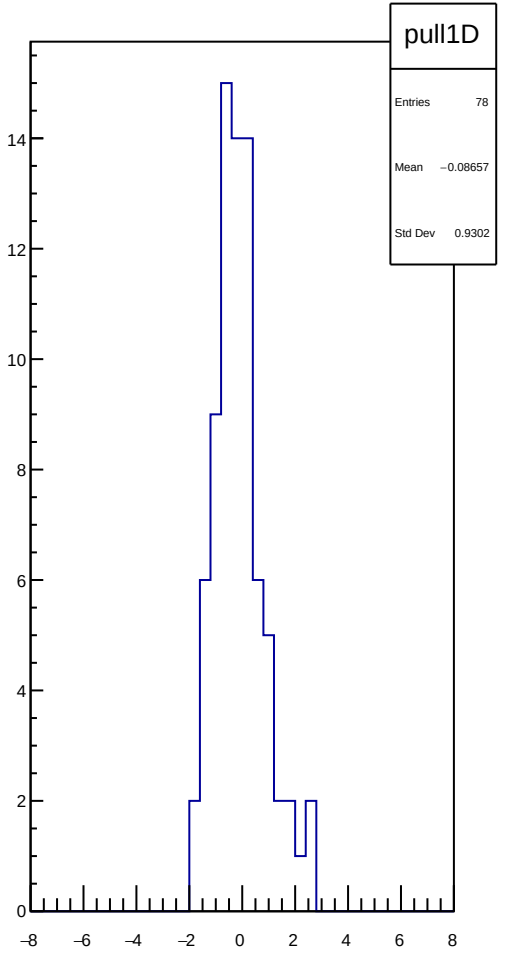

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 61.77 / 77
p0 −3.632 ± 1.738
pull
Entries 78
Mean 146.1
Std Dev 113.7

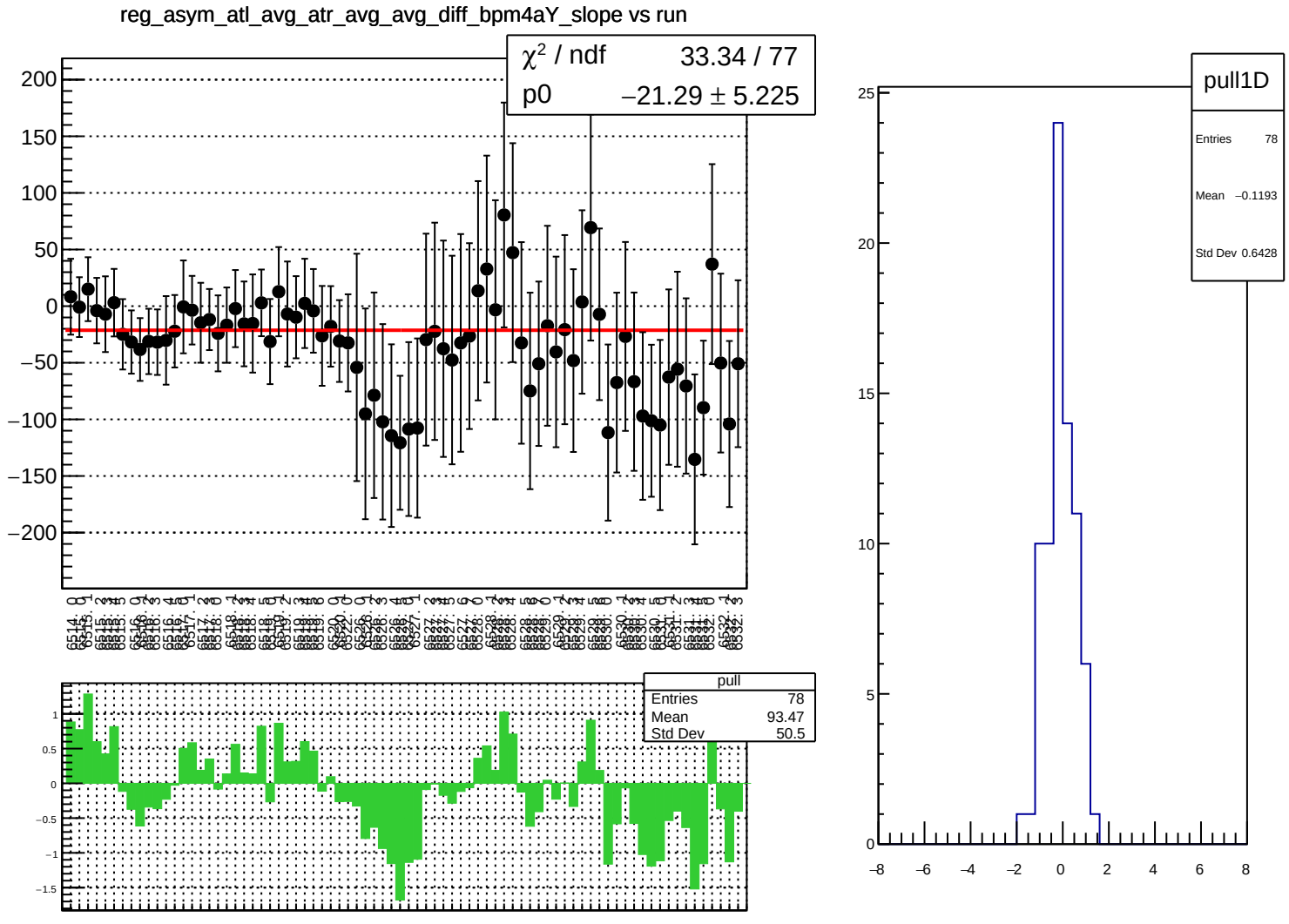

pull1D
Entries 78
Mean 0.02294
Std Dev 0.8896

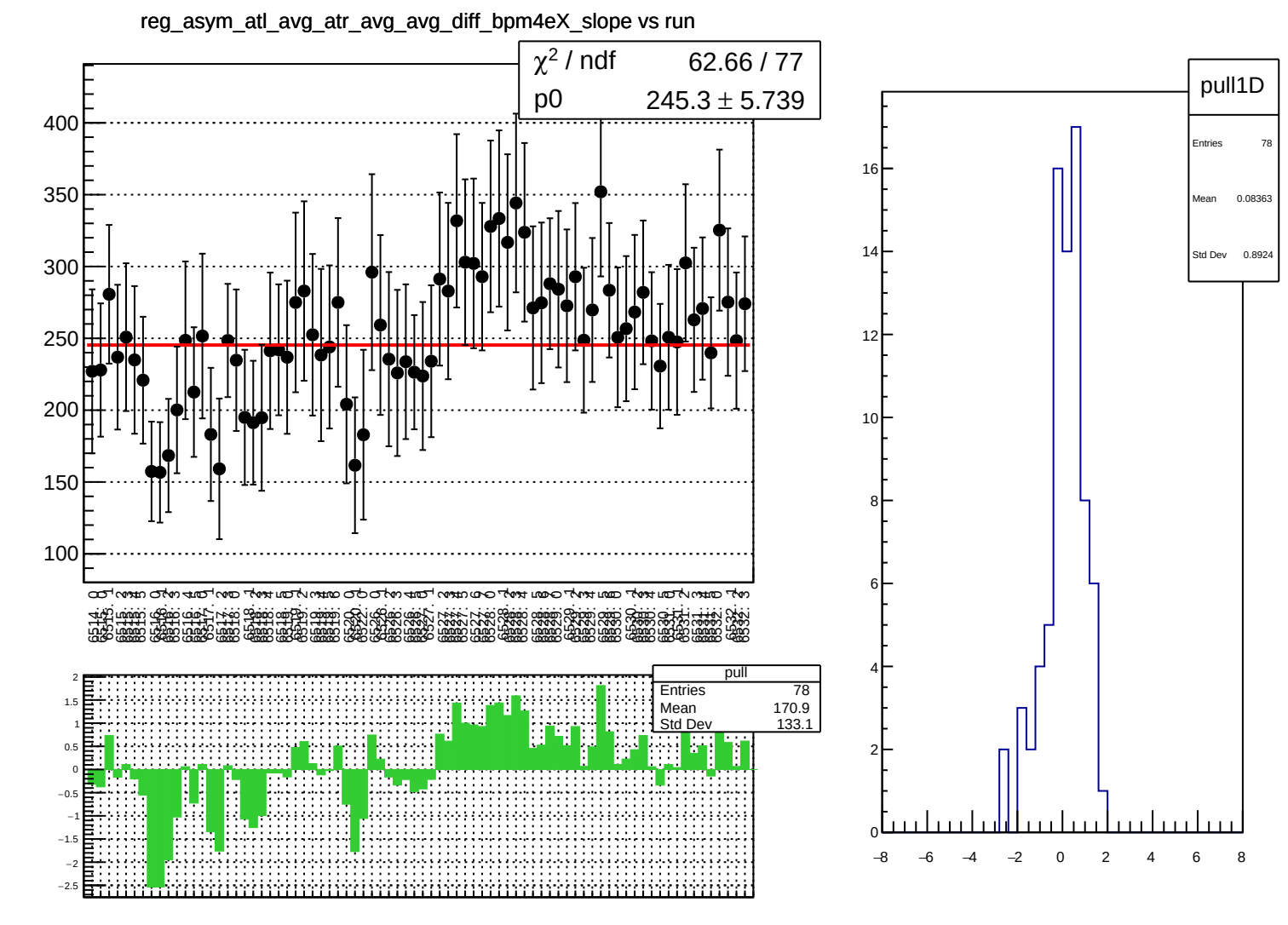

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 87.4 / 77
p0 11.67 ± 0.0613
pull
Entries 78
Mean −80.02
Std Dev 113.6

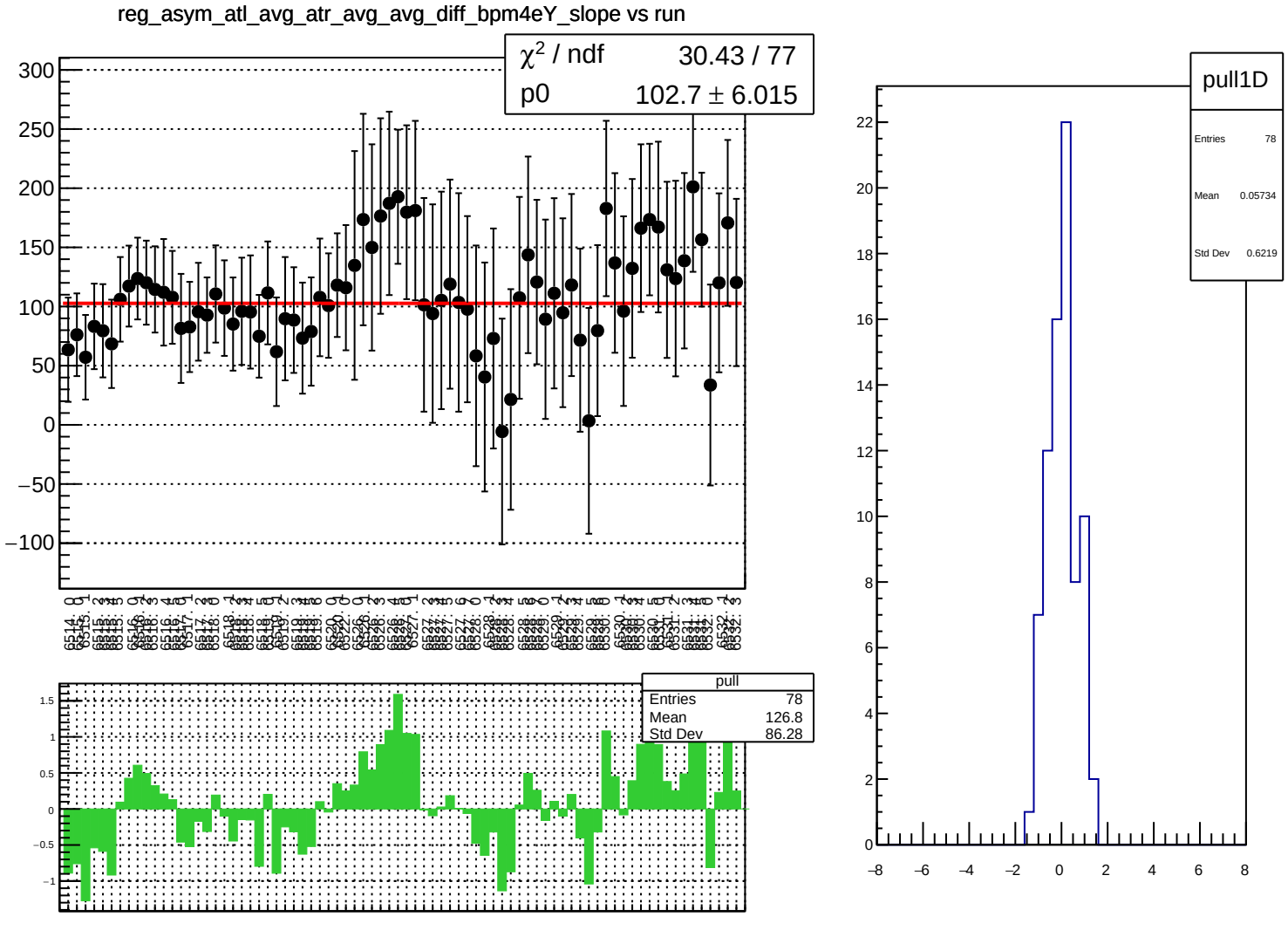

pull1D
Entries 78
Mean 0.05348
Std Dev 1.057

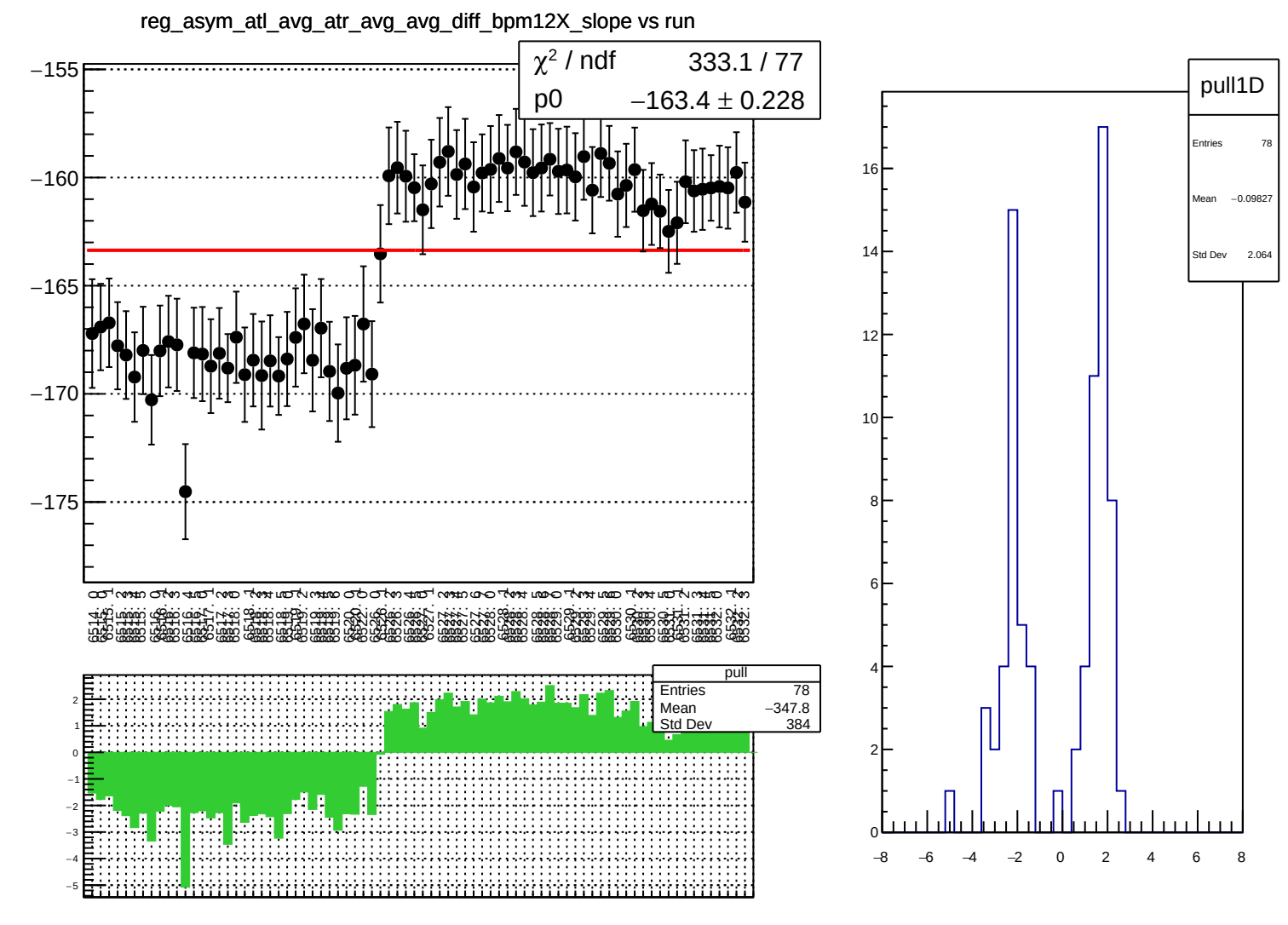

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 68.07 / 77
p0 −220.6 ± 5.294
pull
Entries 78
Mean 176
Std Dev 138.4

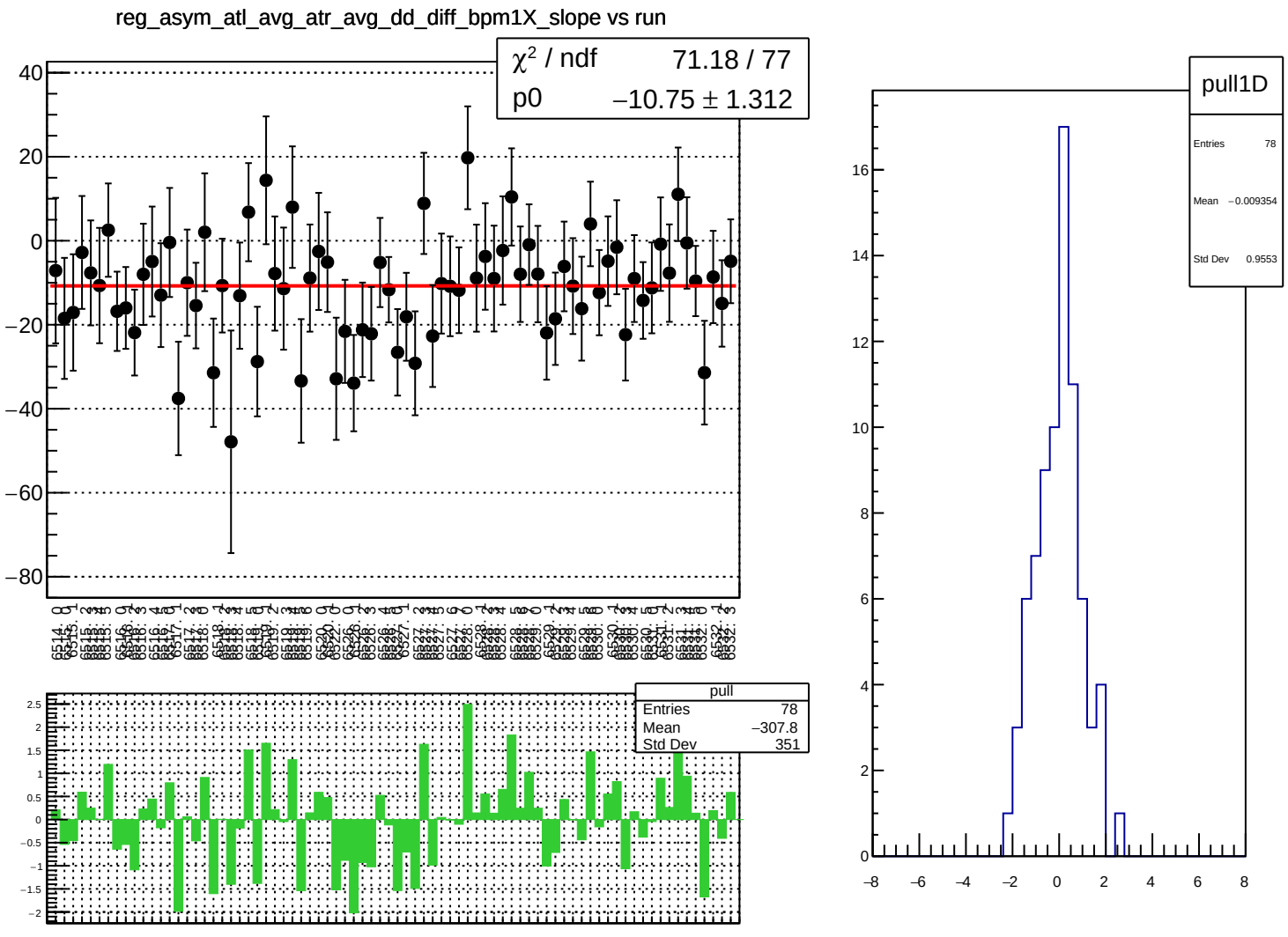

pull1D
Entries 78
Mean −0.08657
Std Dev 0.9302

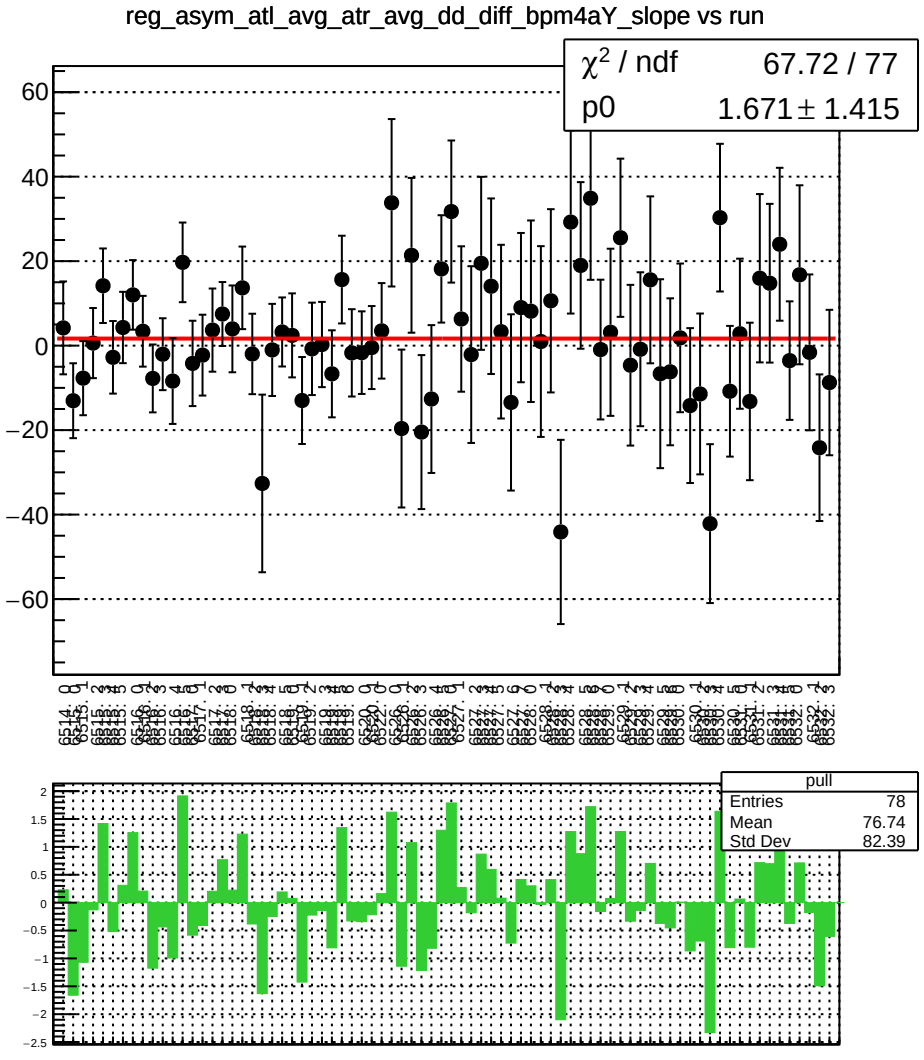

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 33.34 / 77
p0 −21.29 ± 5.225
pull
Entries 78
Mean 93.47
Std Dev 50.5
pull1D
Entries 78
Mean −0.1193
Std Dev 0.6428

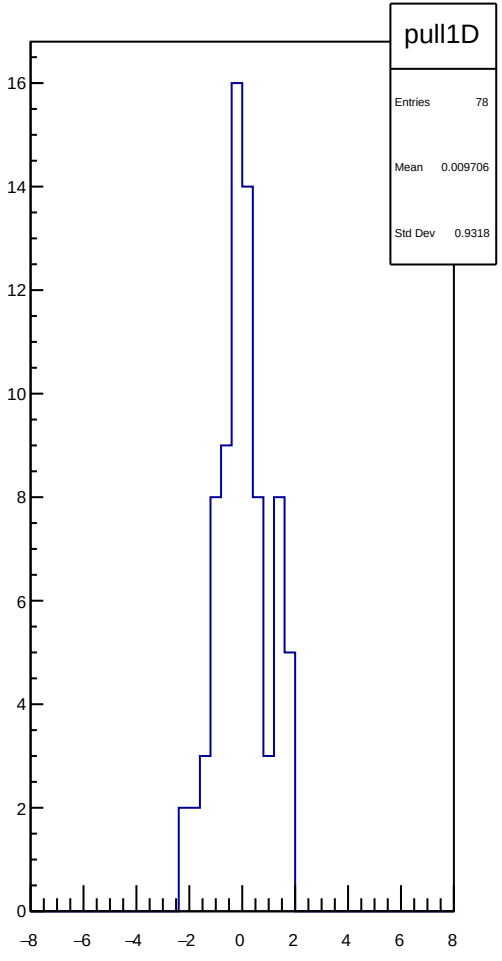

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 62.66 / 77
p0 245.3 ± 5.739
pull
Entries 78
Mean 170.9
Std Dev 133.1
pull1D
Entries 78
Mean 0.08363
Std Dev 0.8924

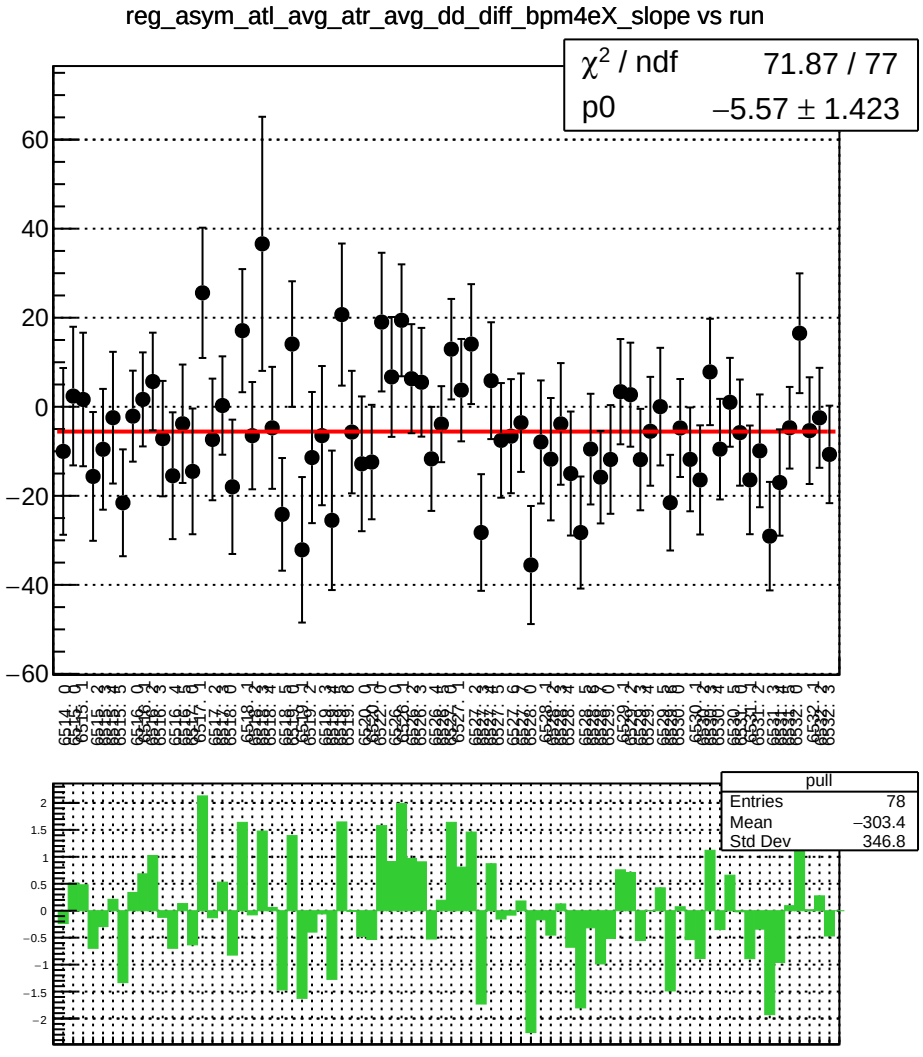

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 30.43 / 77
p0 102.7 ± 6.015
pull
Entries 78
Mean 126.8
Std Dev 86.28
pull1D
Entries 78
Mean 0.05734
Std Dev 0.6219

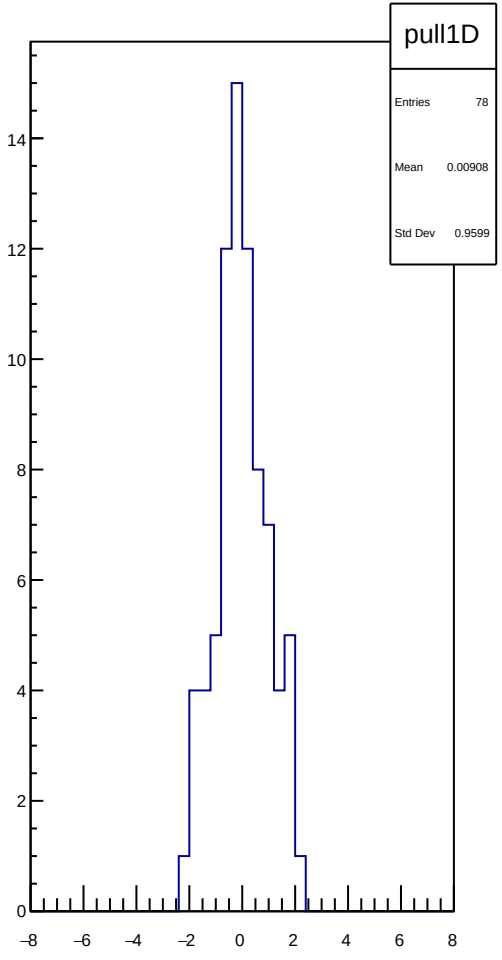

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 333.1 / 77
p0 −163.4 ± 0.228
pull
Entries 78
Mean −347.8
Std Dev 384
pull1D
Entries 78
Mean −0.09827
Std Dev 2.064

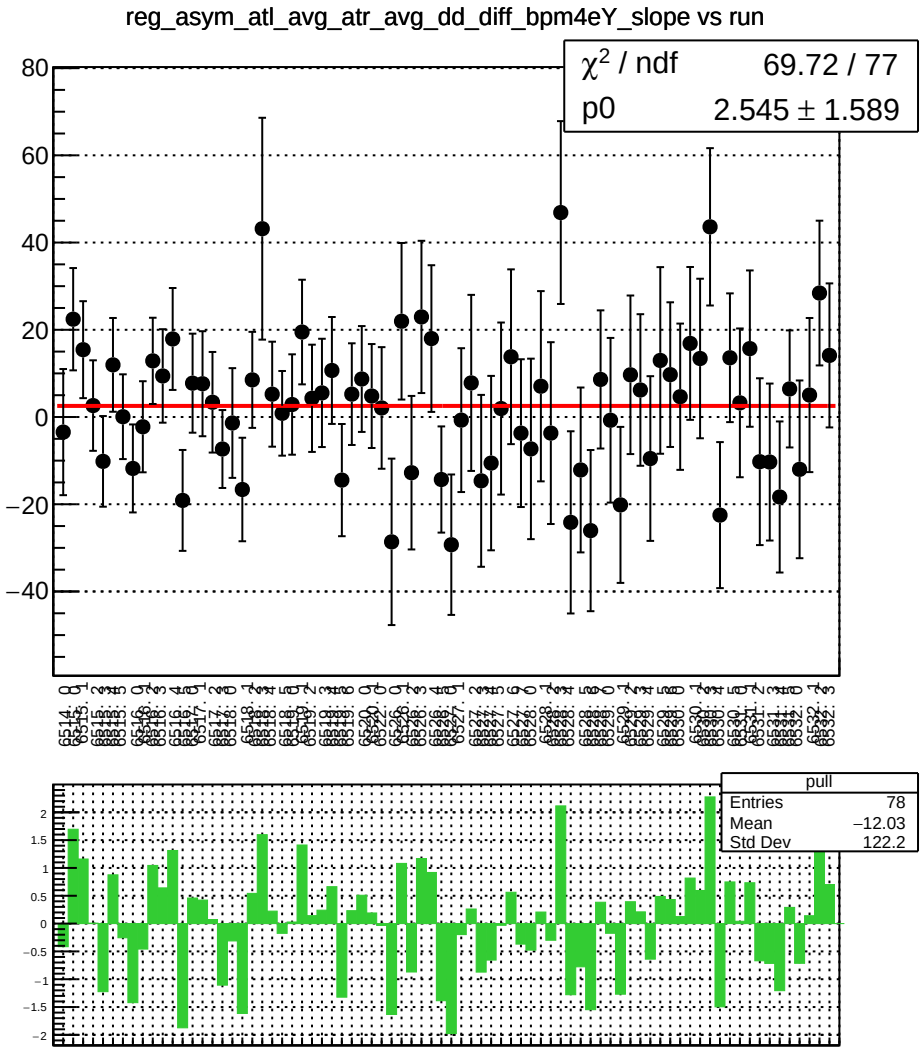

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 71.18 / 77
p0 −10.75 ± 1.312
pull
Entries 78
Mean −307.8
Std Dev 351
pull1D
Entries 78
Mean −0.009354
Std Dev 0.9553

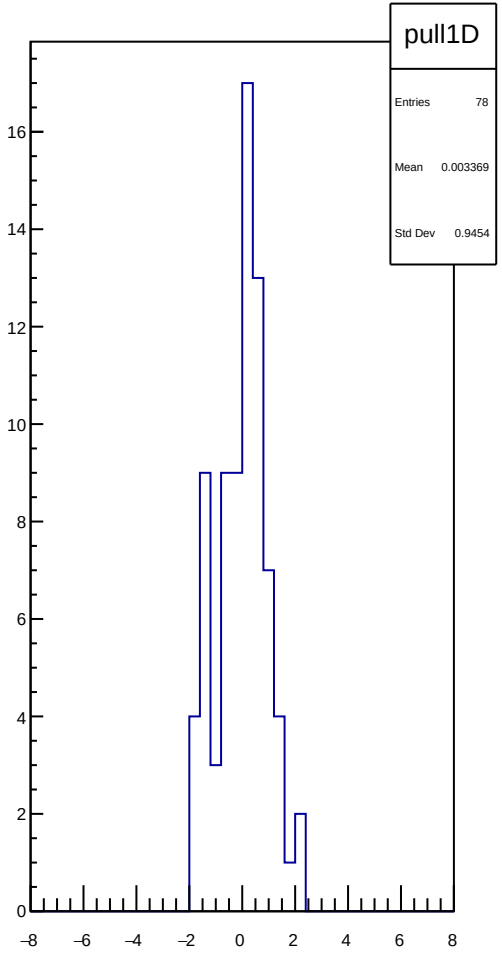

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 67.72 / 77
p0 1.671 ± 1.415
pull
Entries 78
Mean 76.74
Std Dev 82.39

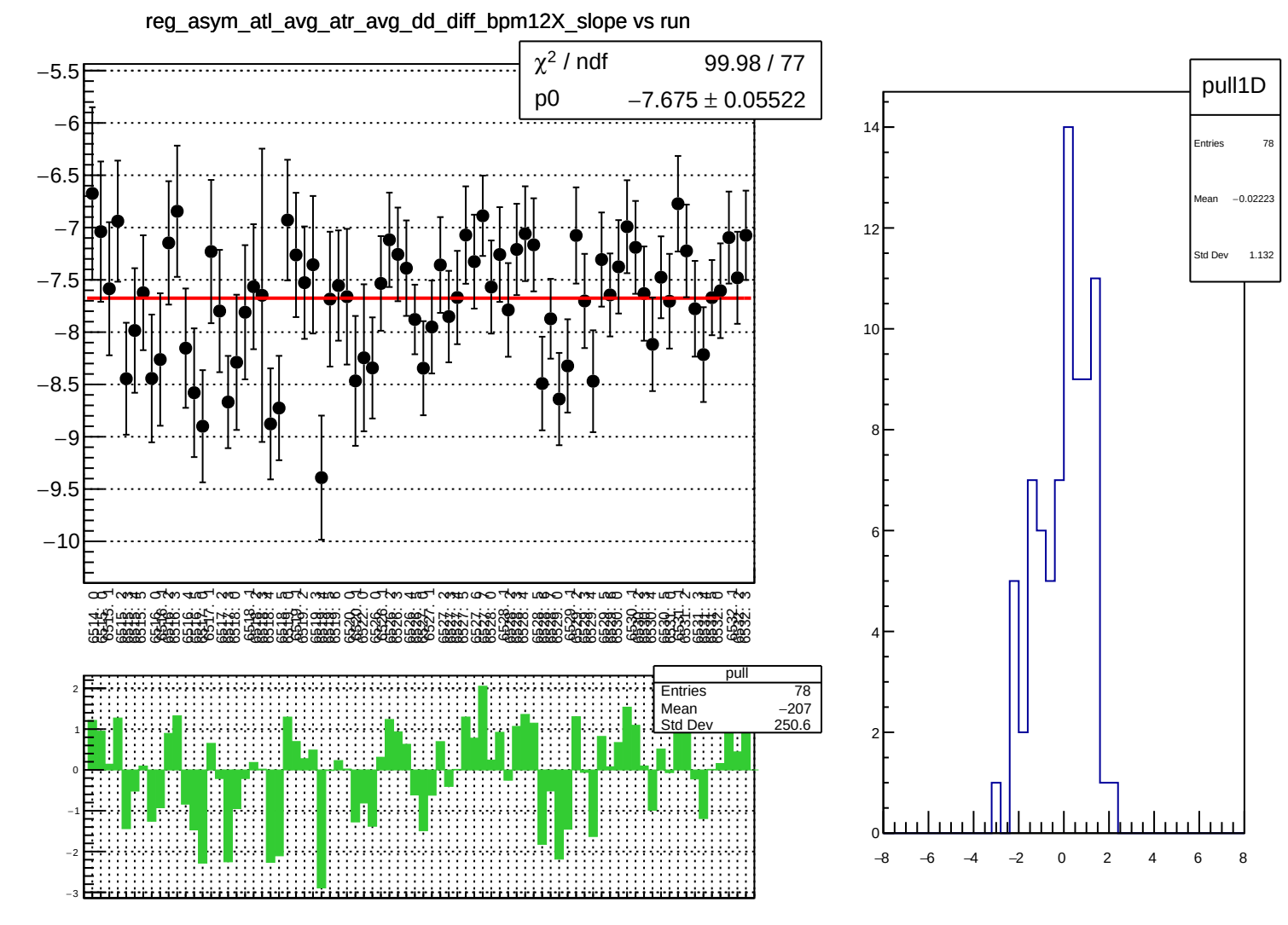

pull1D
Entries 78
Mean 0.009706
Std Dev 0.9318

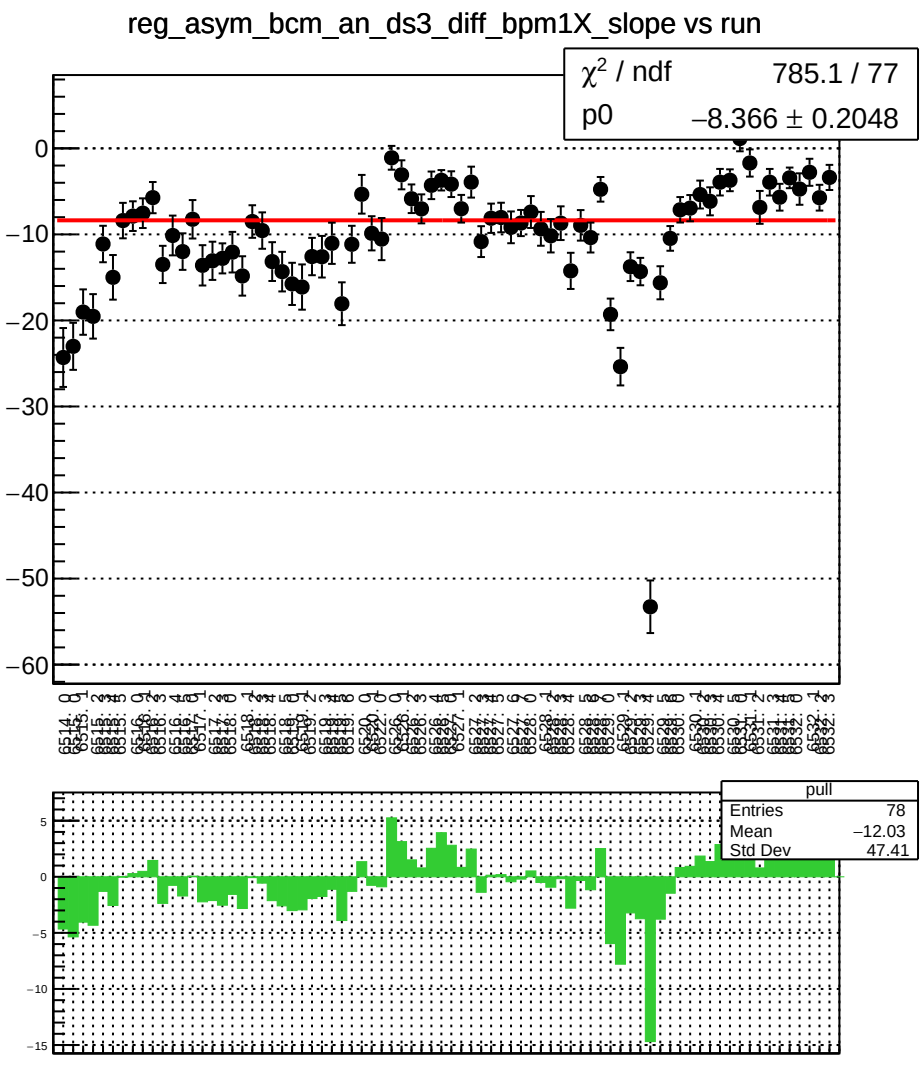

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 71.87 / 77
p0 −5.57 ± 1.423
pull
Entries 78
Mean −303.4
Std Dev 346.8

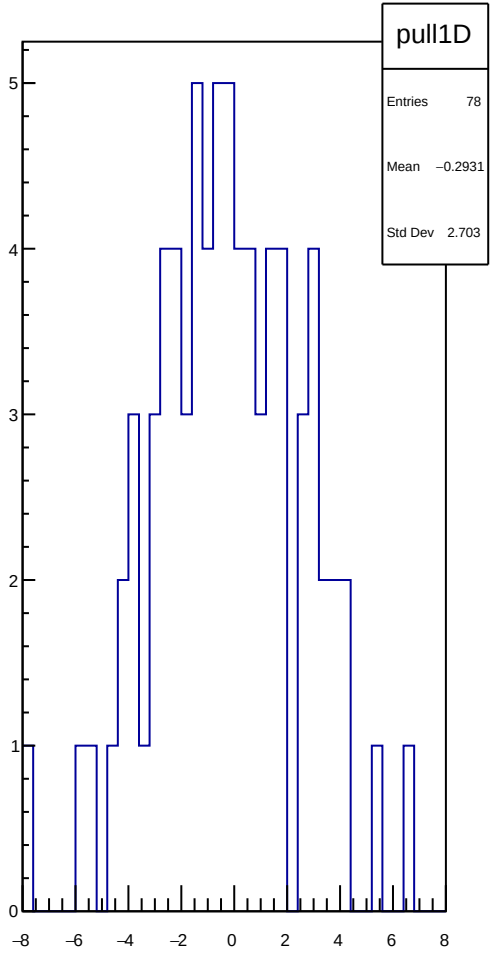

pull1D
Entries 78
Mean 0.00908
Std Dev 0.9599

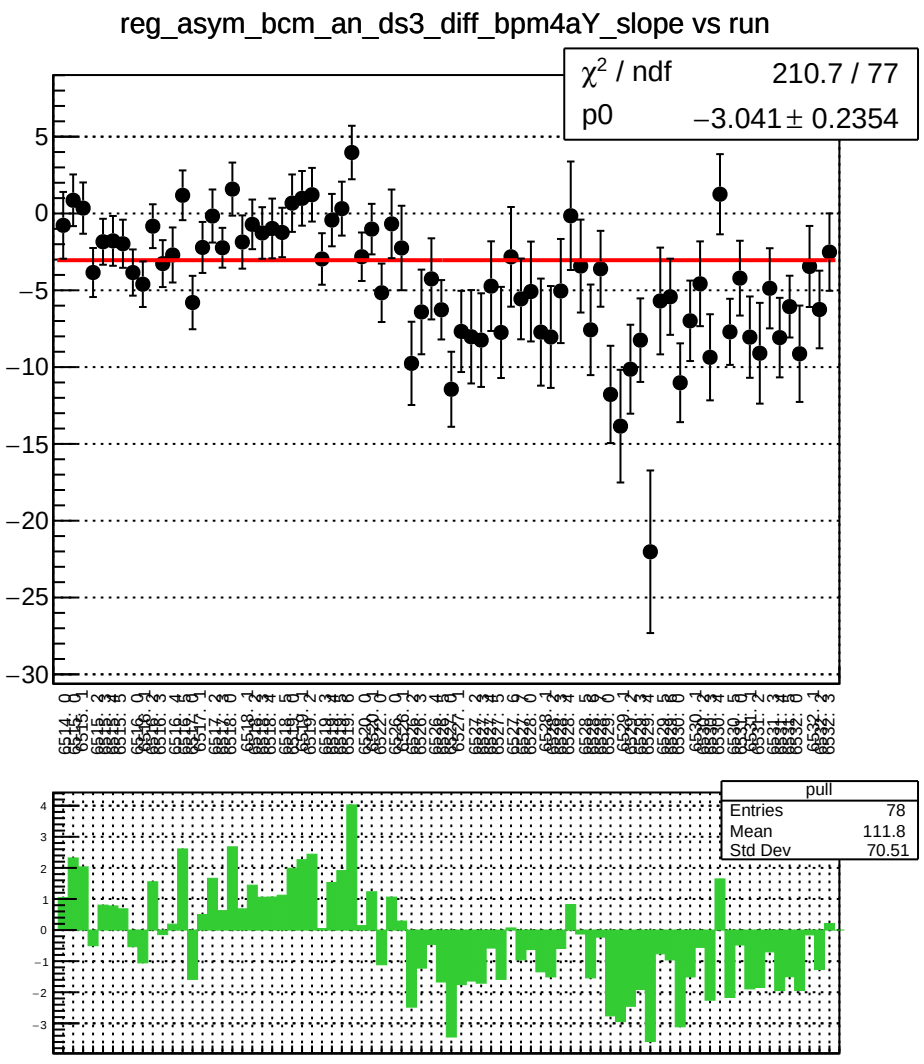

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 69.72 / 77
p0 2.545 ± 1.589
pull
Entries 78
Mean −12.03
Std Dev 122.2

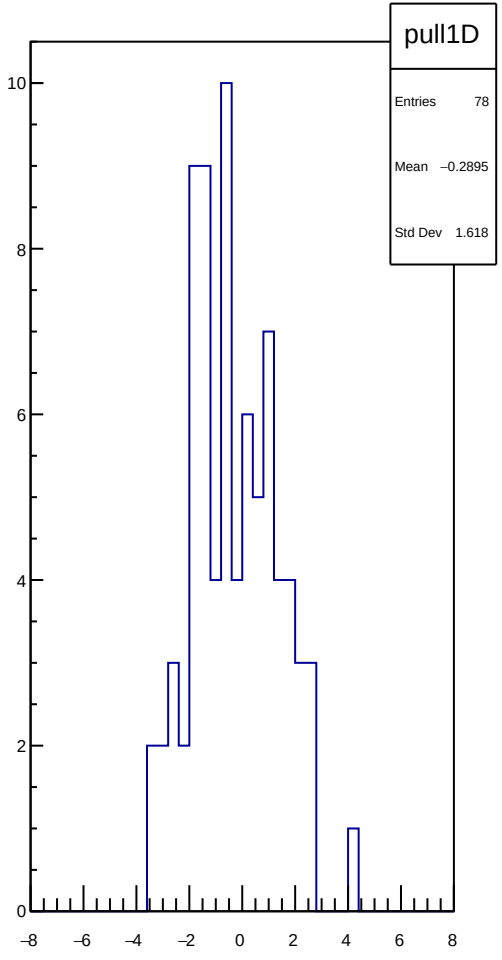

pull1D
Entries 78
Mean 0.003369
Std Dev 0.9454

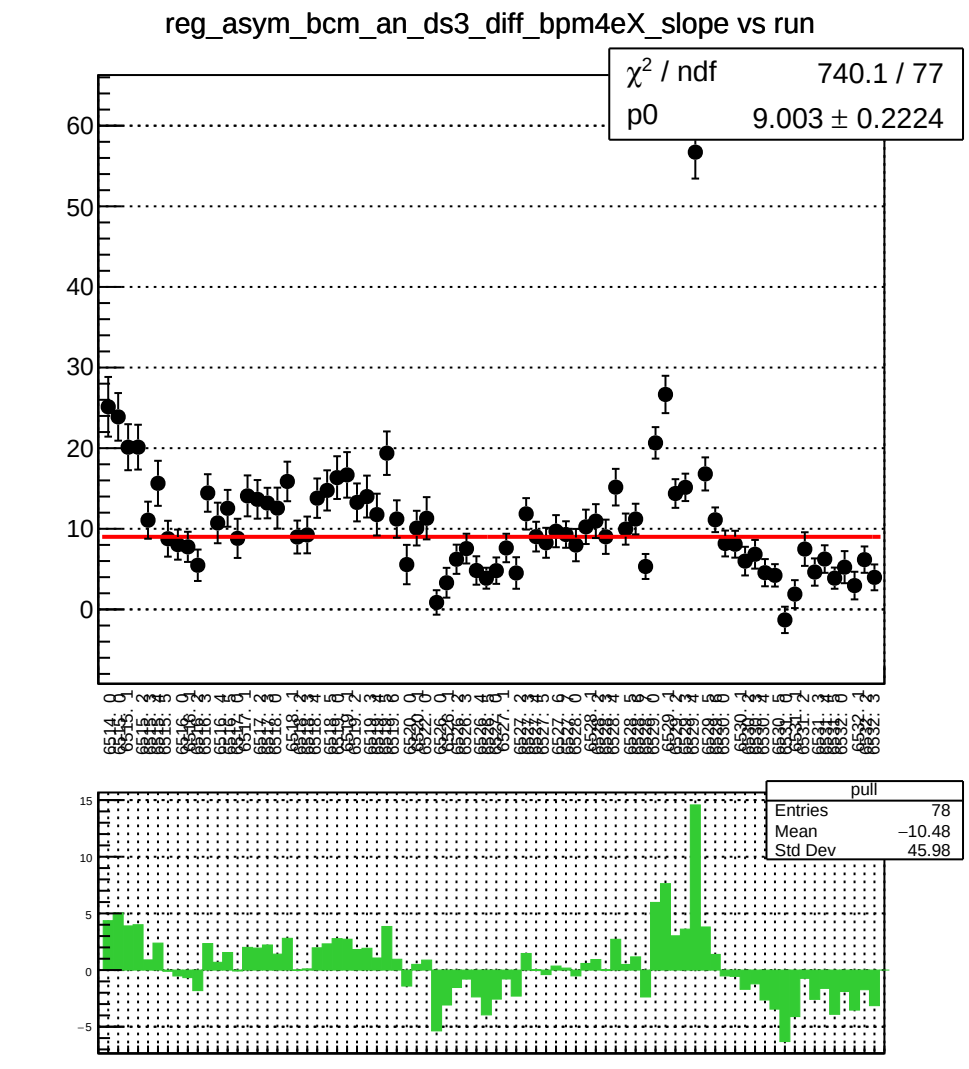

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 99.98 / 77
p0 −7.675 ± 0.05522
pull
Entries 78
Mean −207
Std Dev 250.6
pull1D
Entries 78
Mean −0.02223
Std Dev 1.132

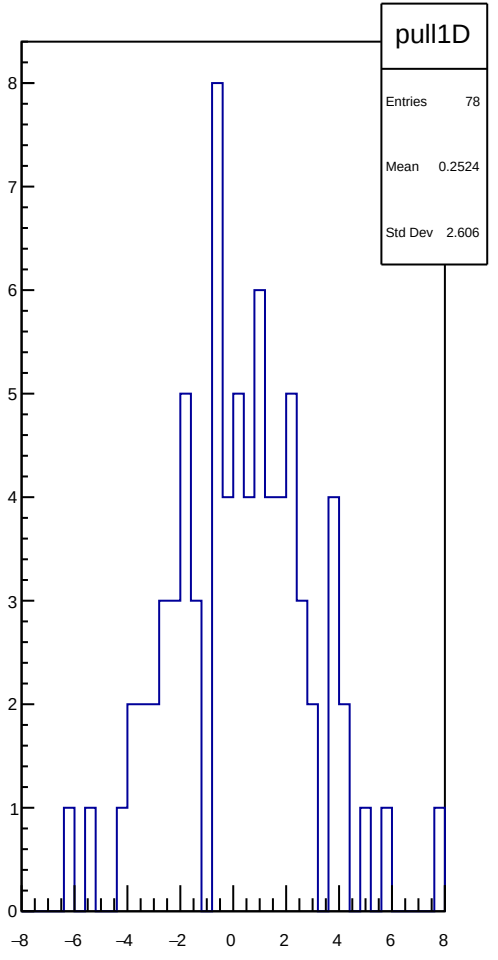

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 785.1 / 77
p0 −8.366 ± 0.2048
pull
Entries 78
Mean −12.03
Std Dev 47.41

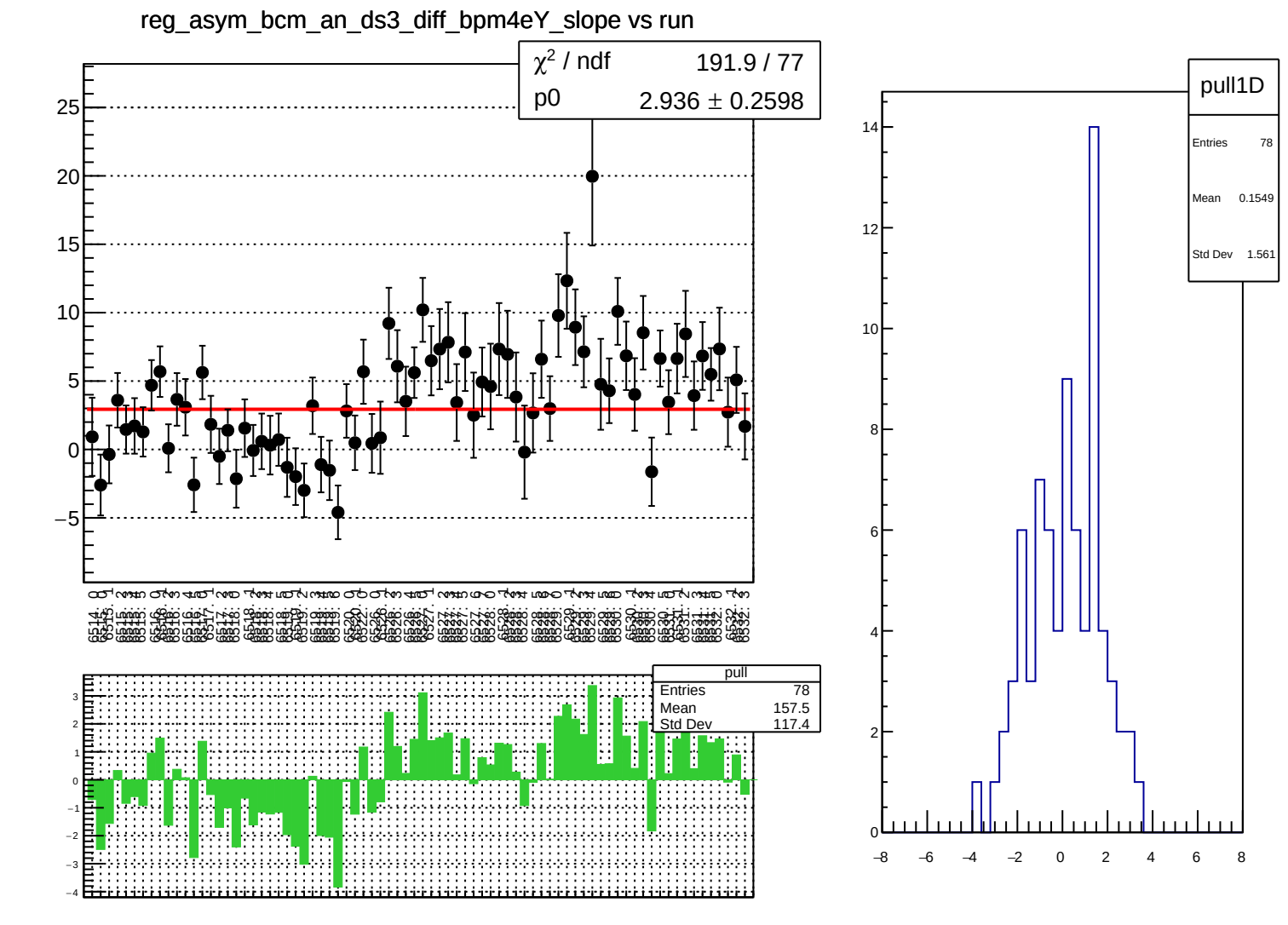

pull1D
Entries 78
Mean −0.2931
Std Dev 2.703

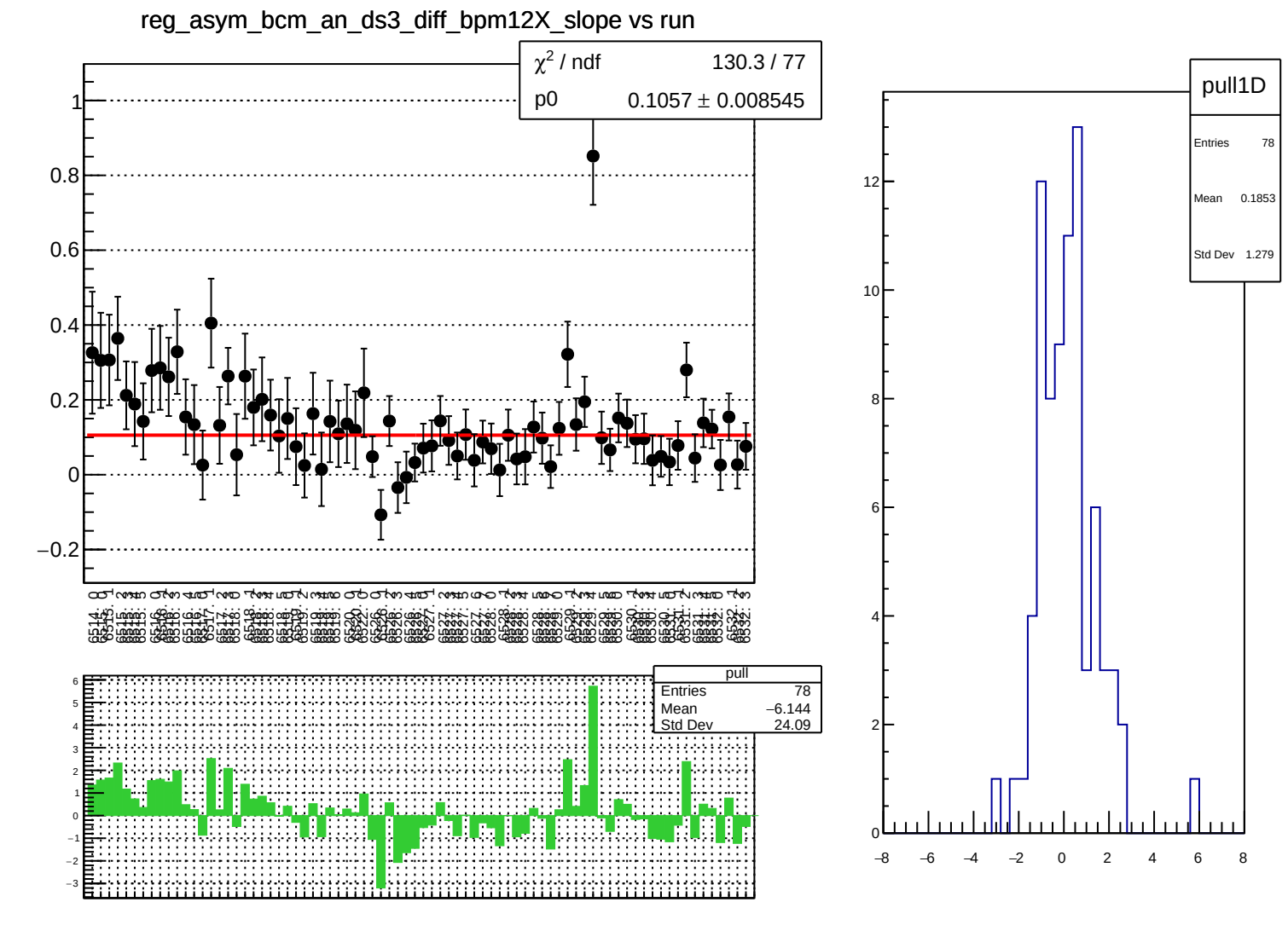

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 210.7 / 77
p0 −3.041 ± 0.2354
pull
Entries 78
Mean 111.8
Std Dev 70.51

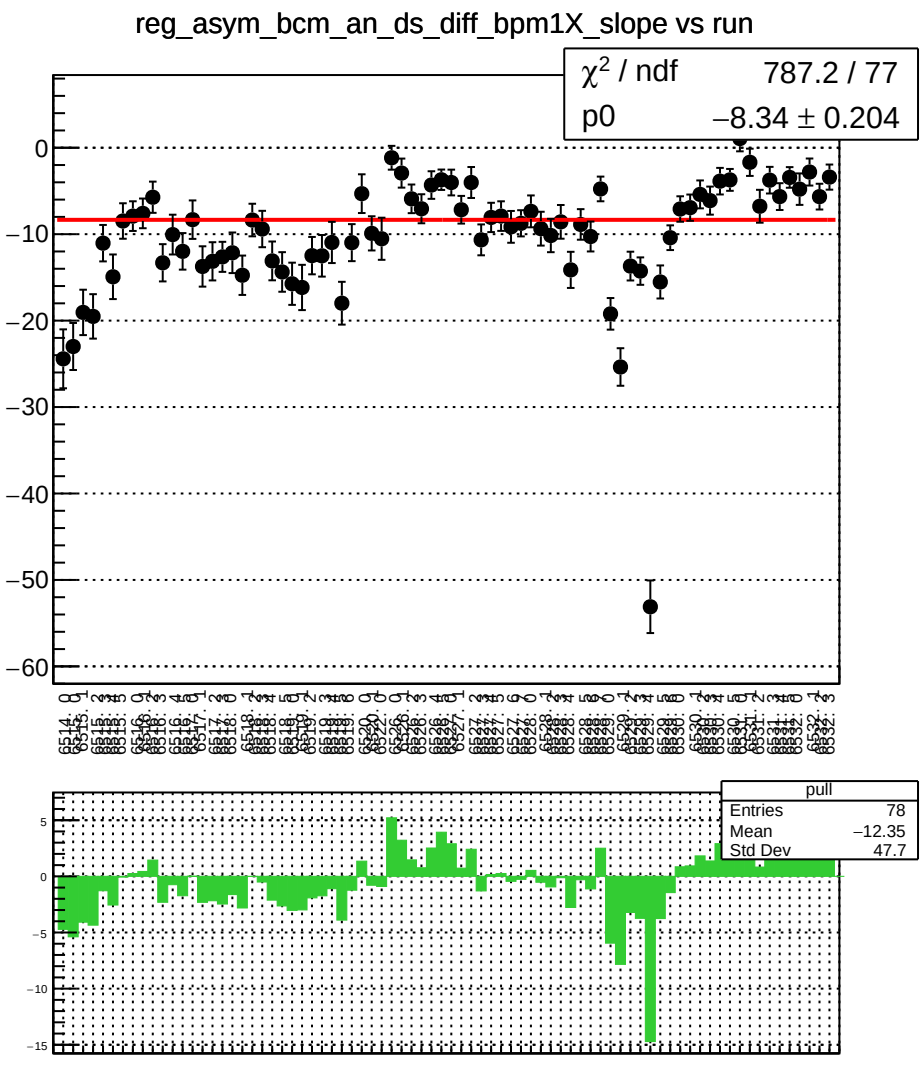

pull1D
Entries 78
Mean −0.2895
Std Dev 1.618

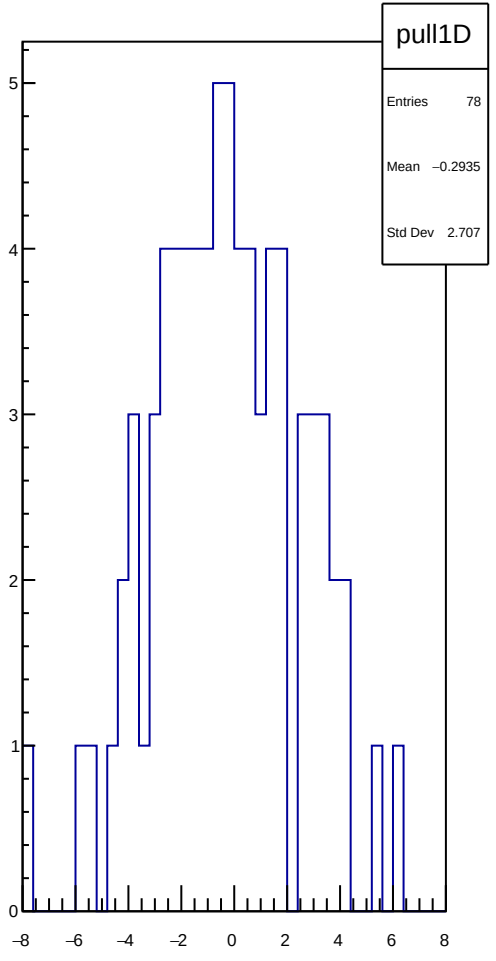

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 740.1 / 77
p0 9.003 ± 0.2224
pull
Entries 78
Mean −10.48
Std Dev 45.98

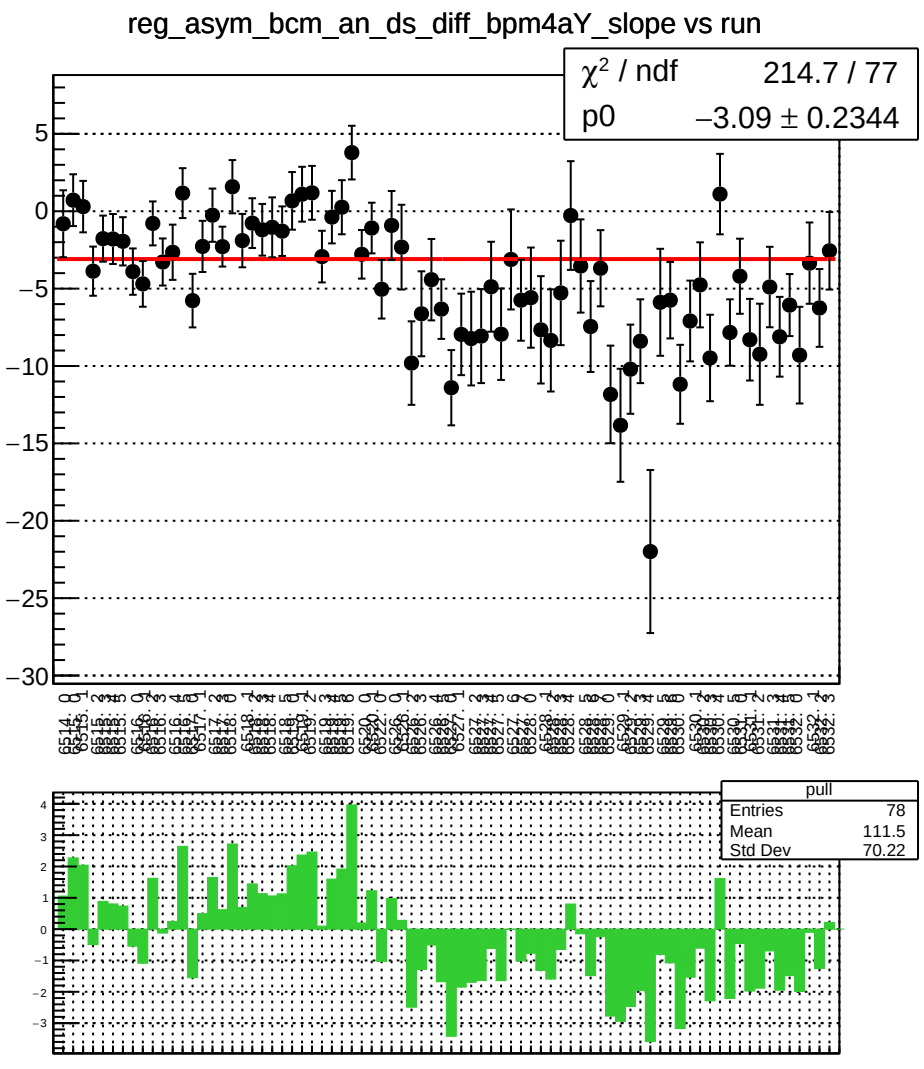

pull1D
Entries 78
Mean 0.2524
Std Dev 2.606

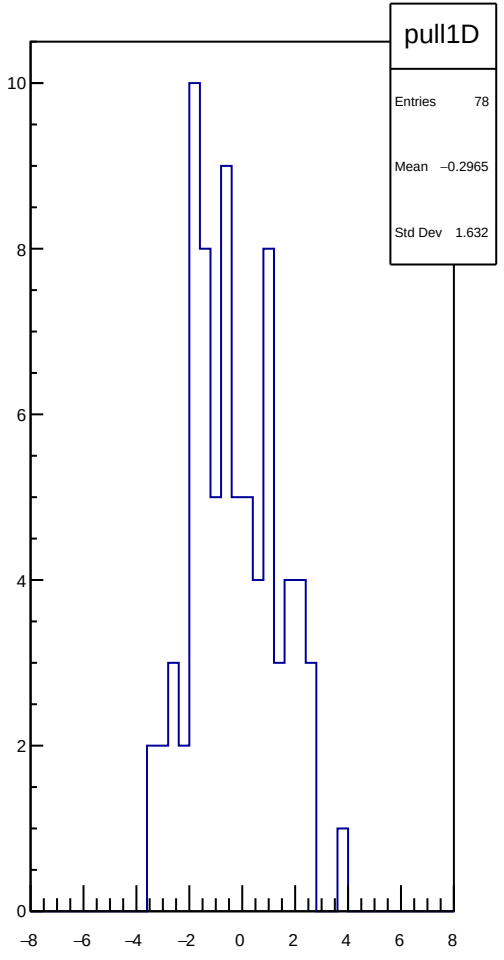

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 191.9 / 77
p0 2.936 ± 0.2598
pull
Entries 78
Mean 157.5
Std Dev 117.4
pull1D
Entries 78
Mean 0.1549
Std Dev 1.561

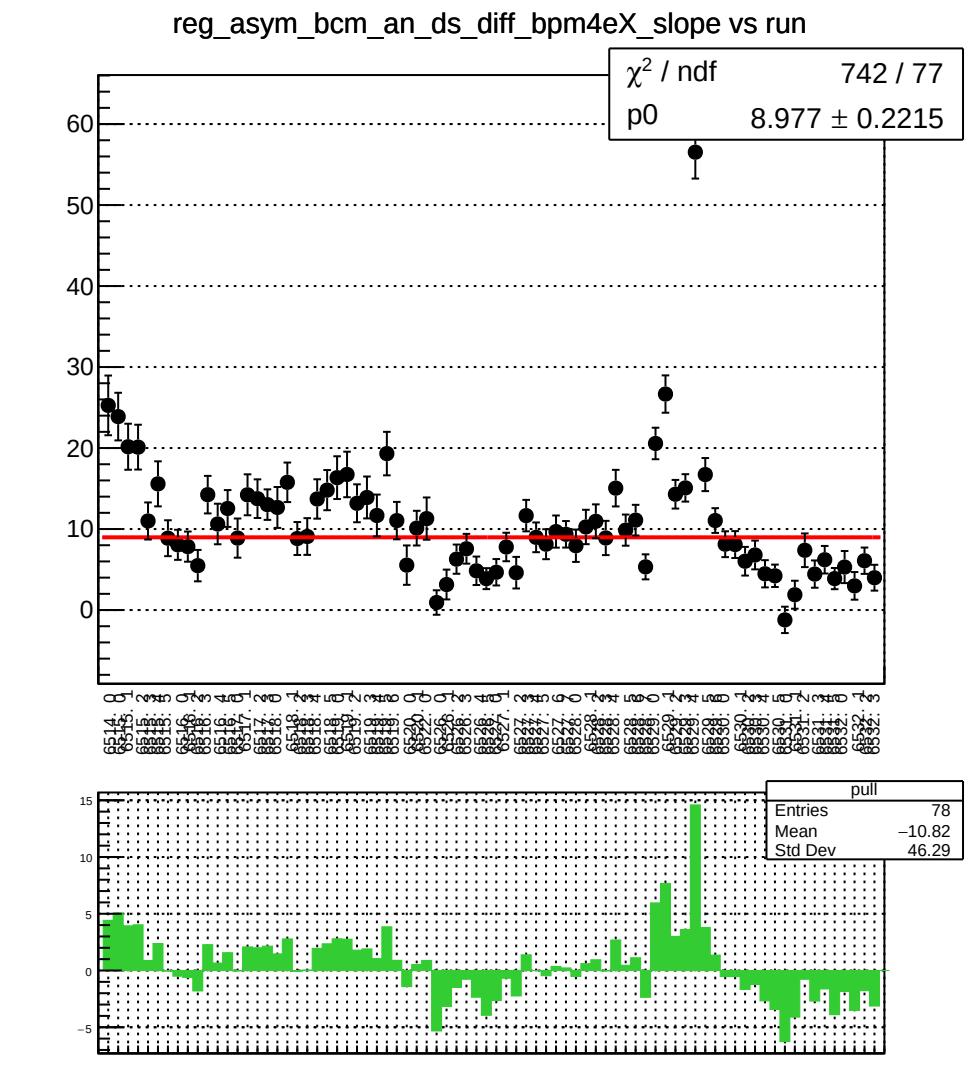

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 130.3 / 77
p0 0.1057 ± 0.008545
pull
Entries 78
Mean −6.144
Std Dev 24.09
pull1D
Entries 78
Mean 0.1853
Std Dev 1.279

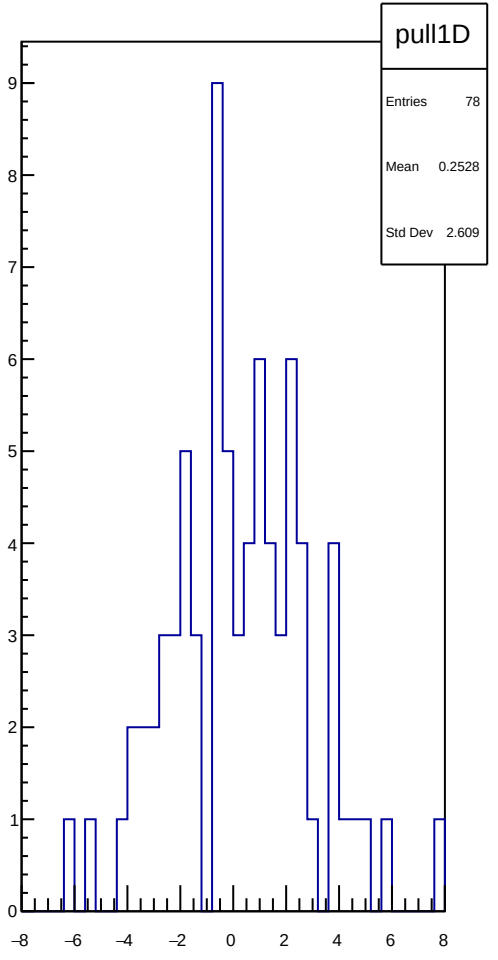

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 787.2 / 77
p0 −8.34 ± 0.204
pull
Entries 78
Mean −12.35
Std Dev 47.7

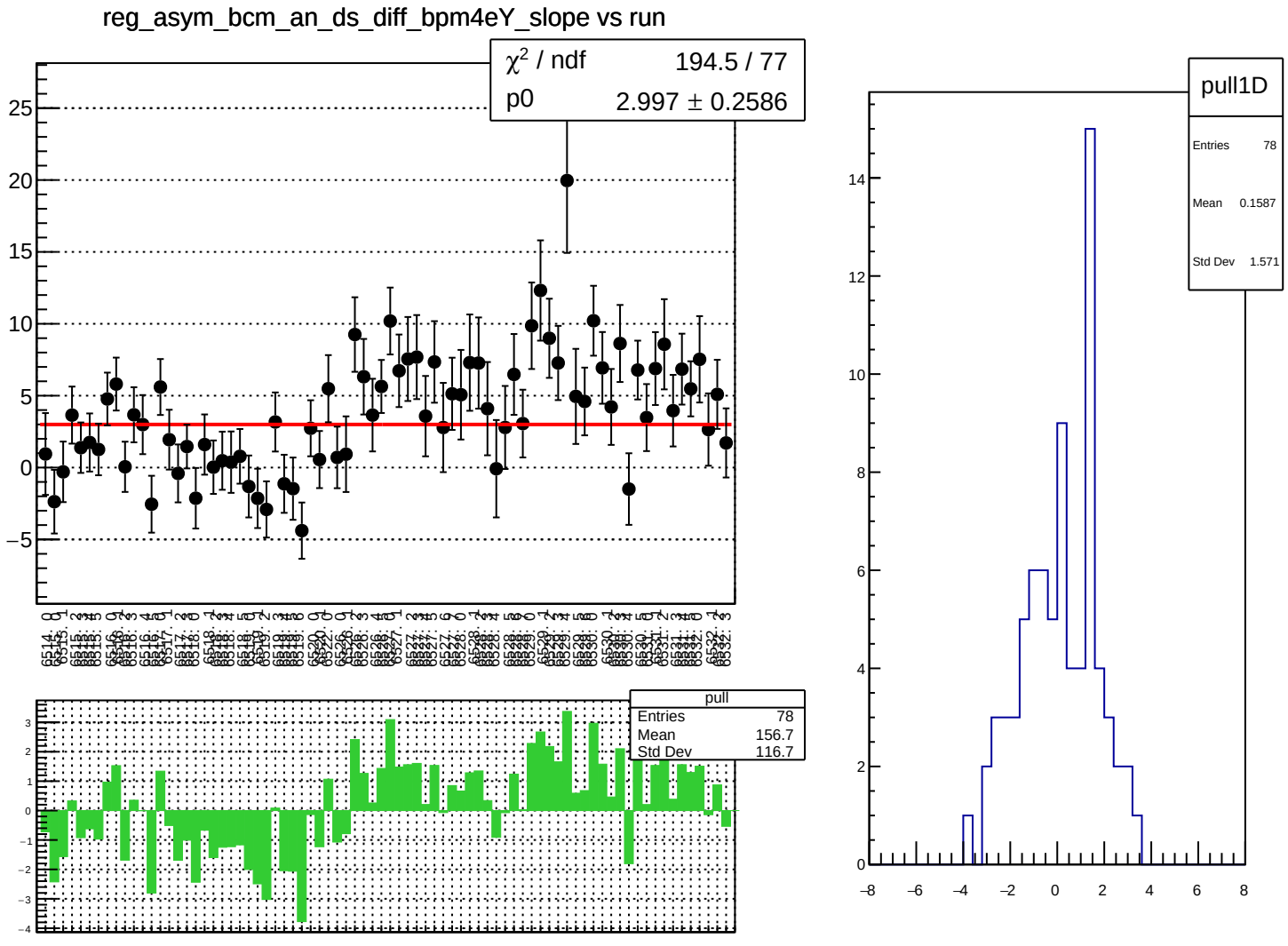

pull1D
Entries 78
Mean −0.2935
Std Dev 2.707

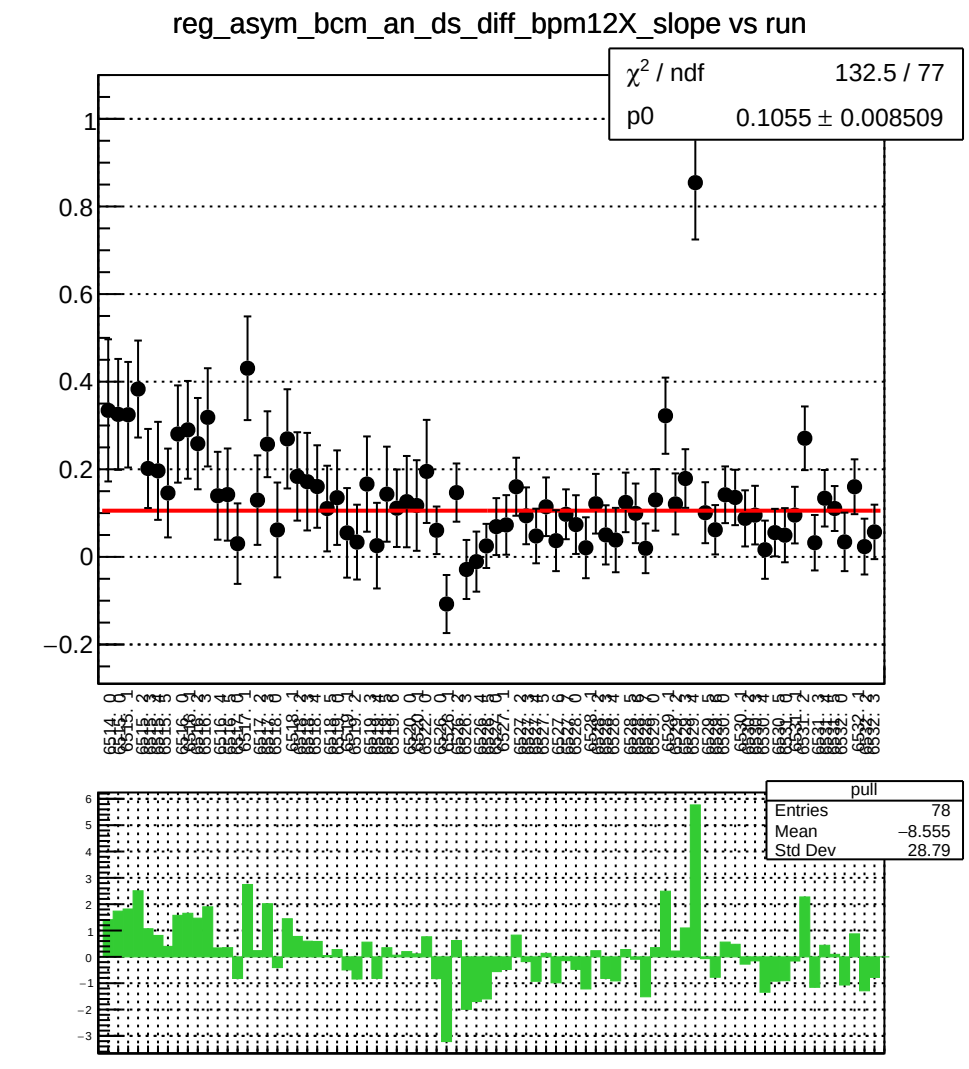

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 214.7 / 77
p0 −3.09 ± 0.2344
pull
Entries 78
Mean 111.5
Std Dev 70.22

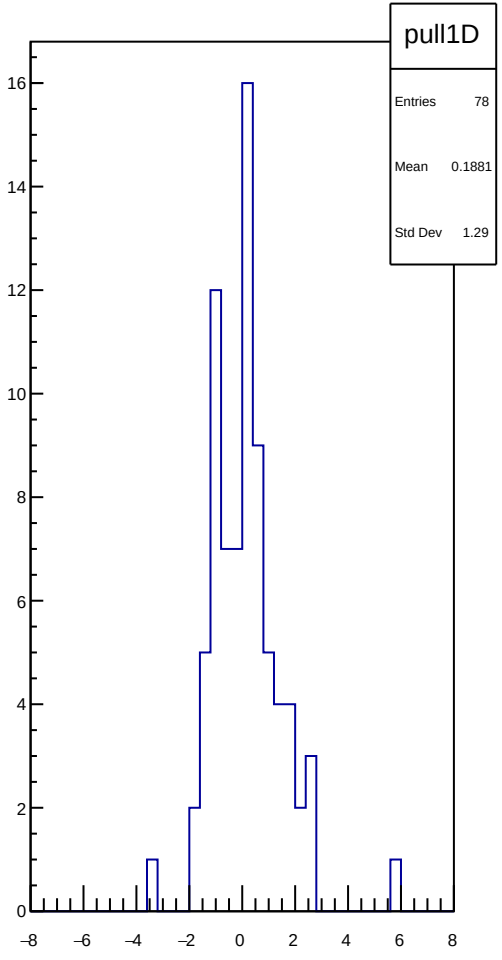

pull1D
Entries 78
Mean −0.2965
Std Dev 1.632

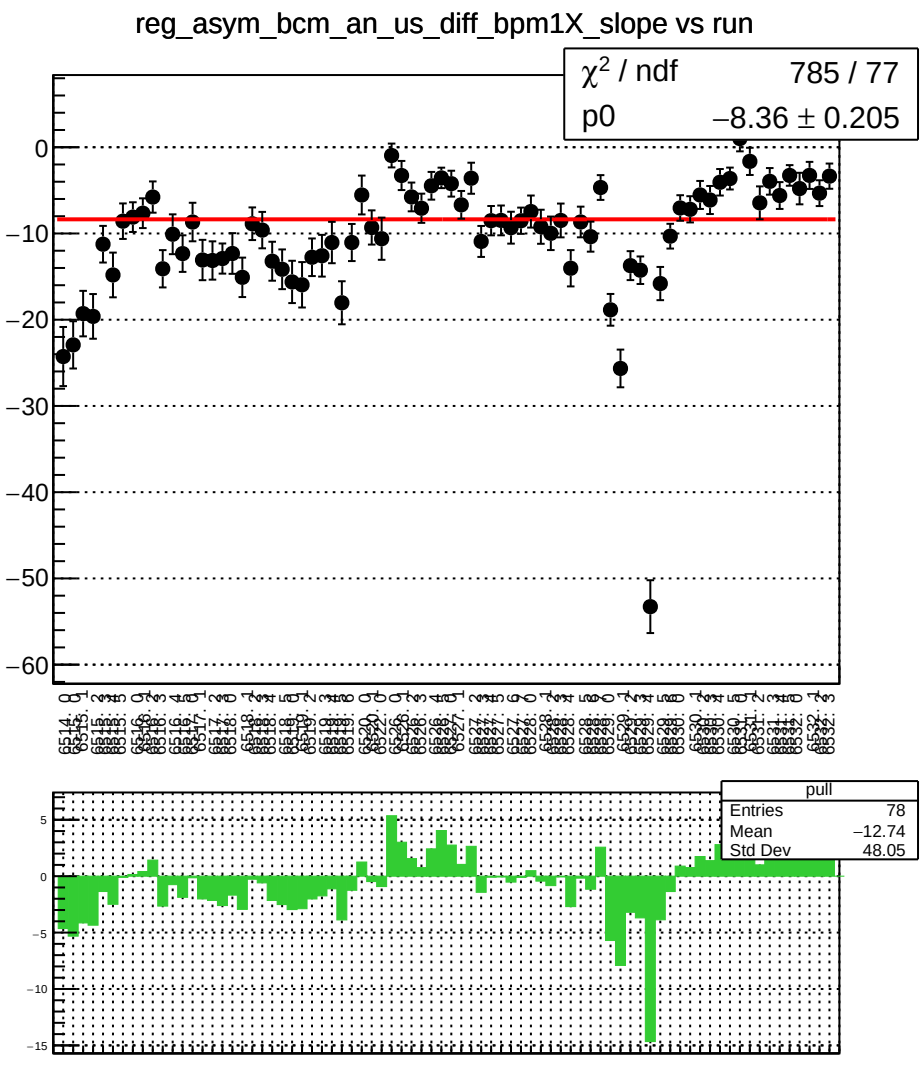

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 742 / 77
p0 8.977 ± 0.2215
pull
Entries 78
Mean −10.82
Std Dev 46.29

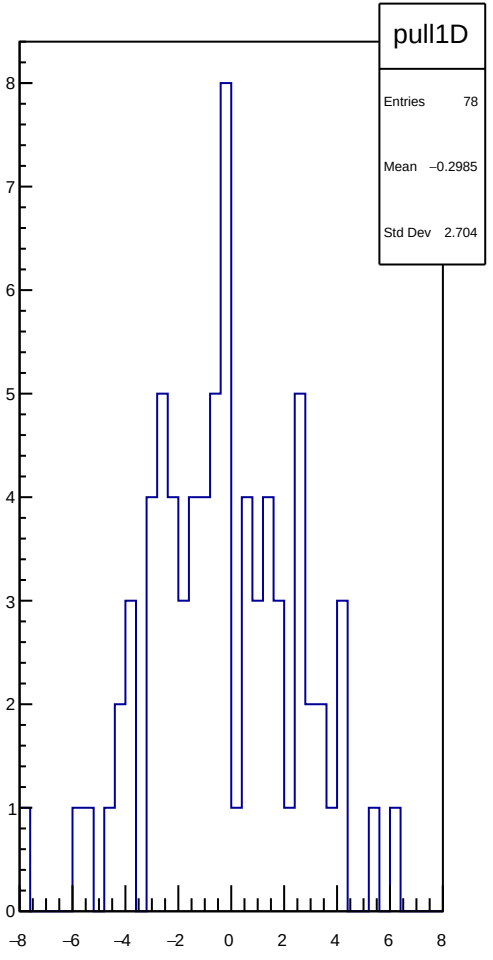

pull1D
Entries 78
Mean 0.2528
Std Dev 2.609

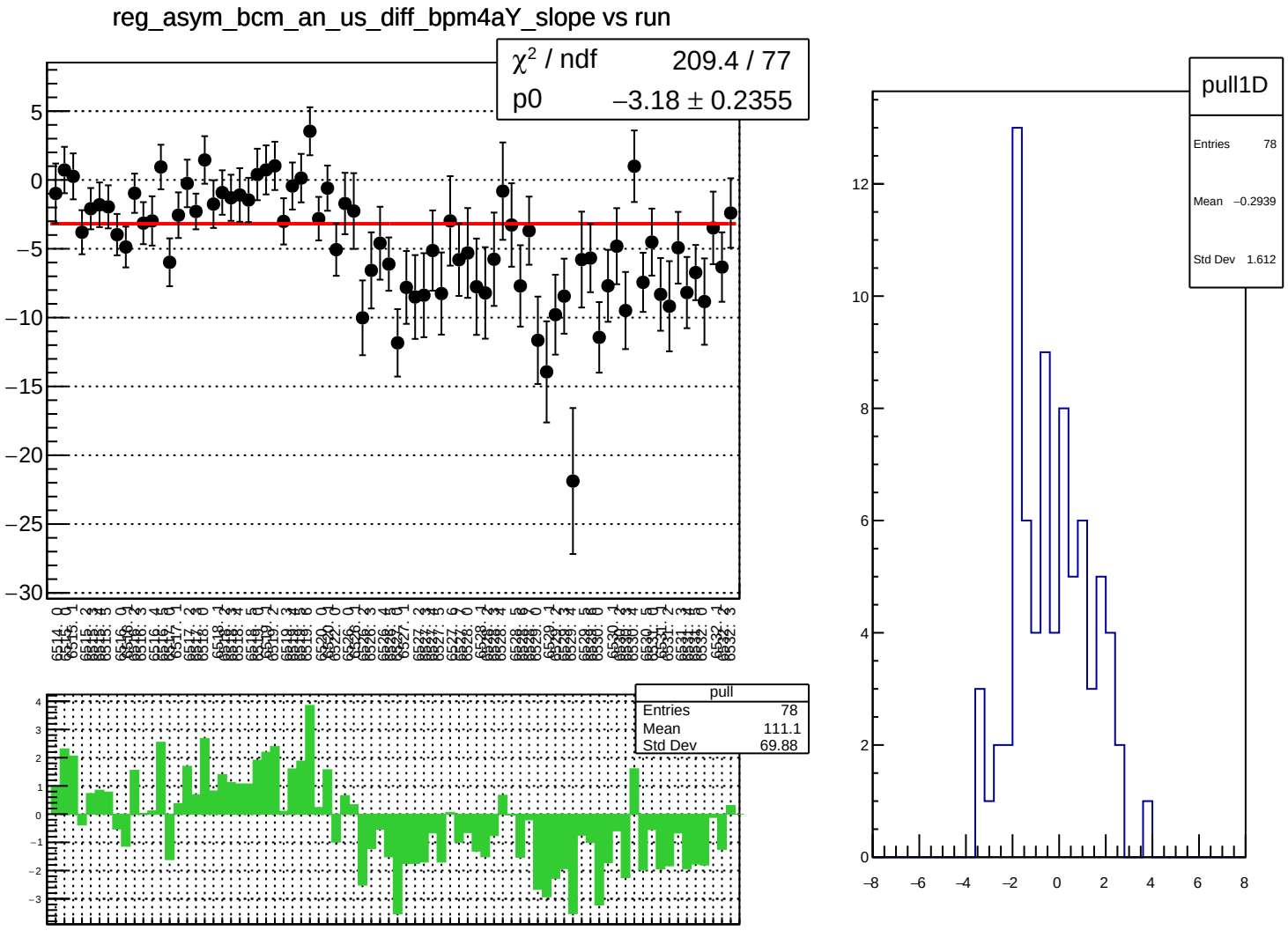

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 194.5 / 77
p0 2.997 ± 0.2586
pull
Entries 78
Mean 156.7
Std Dev 116.7
pull1D
Entries 78
Mean 0.1587
Std Dev 1.571

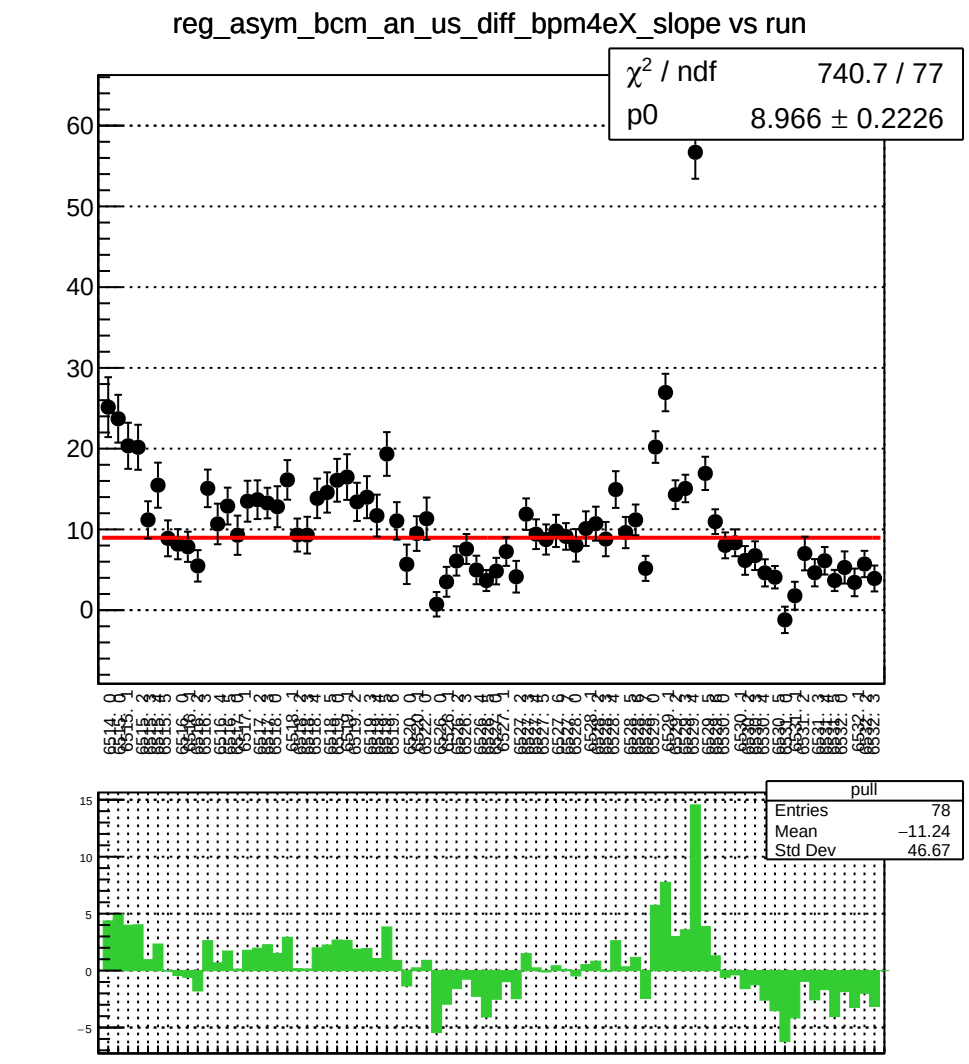

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 132.5 / 77
p0 0.1055 ± 0.008509
pull
Entries 78
Mean −8.555
Std Dev 28.79

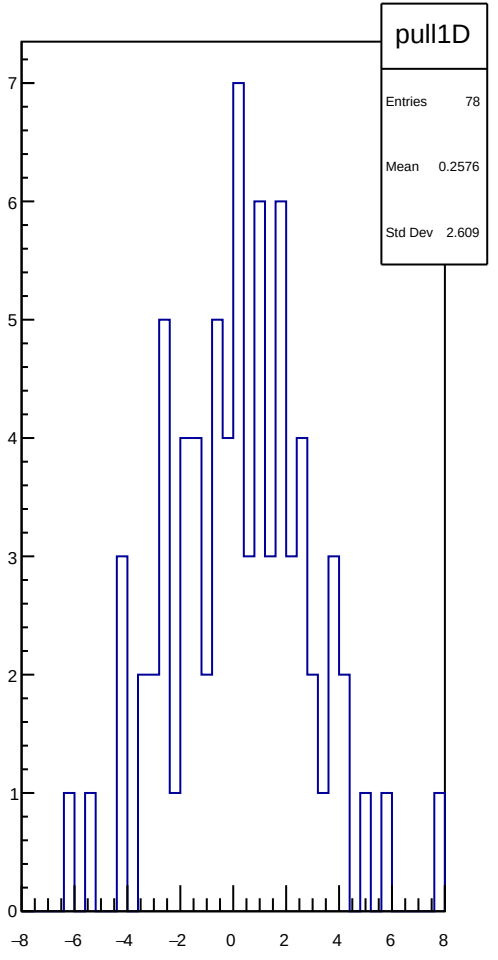

pull1D
Entries 78
Mean 0.1881
Std Dev 1.29

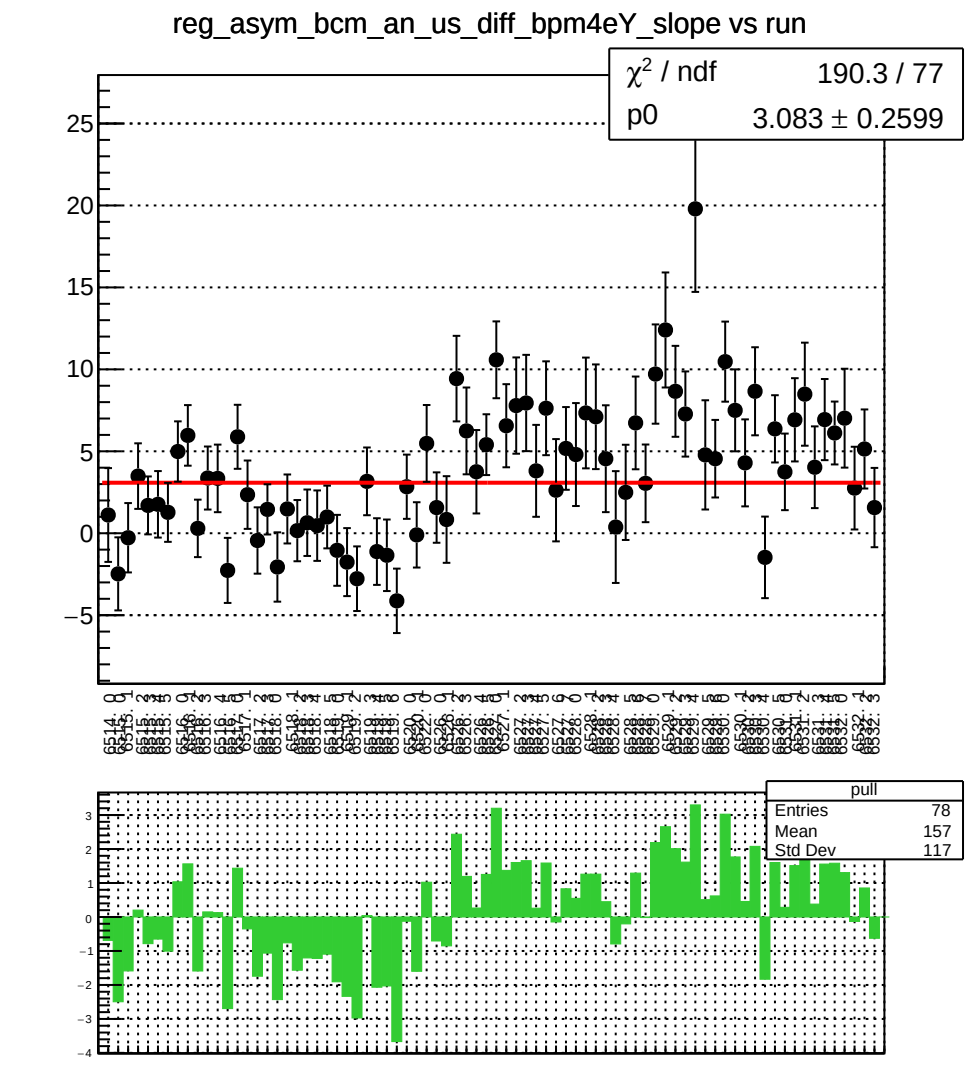

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 785 / 77
p0 −8.36 ± 0.205
pull
Entries 78
Mean −12.74
Std Dev 48.05

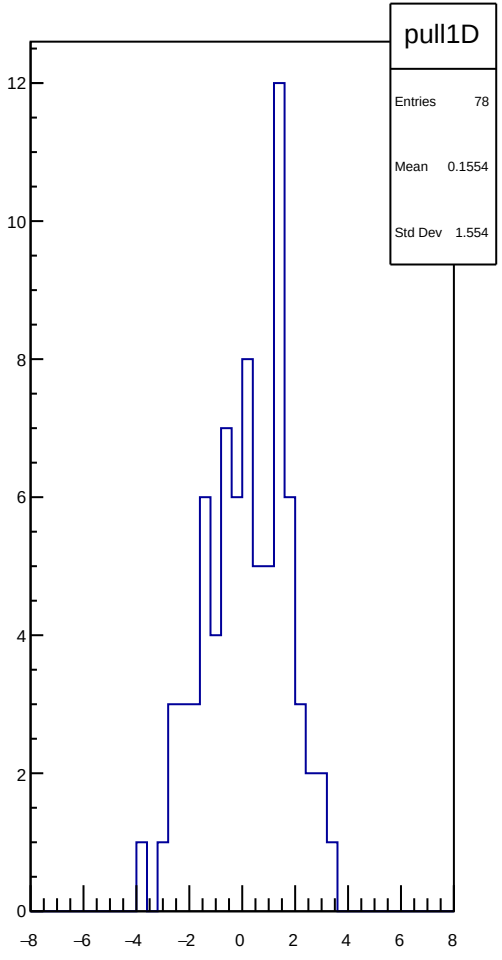

pull1D
Entries 78
Mean −0.2985
Std Dev 2.704

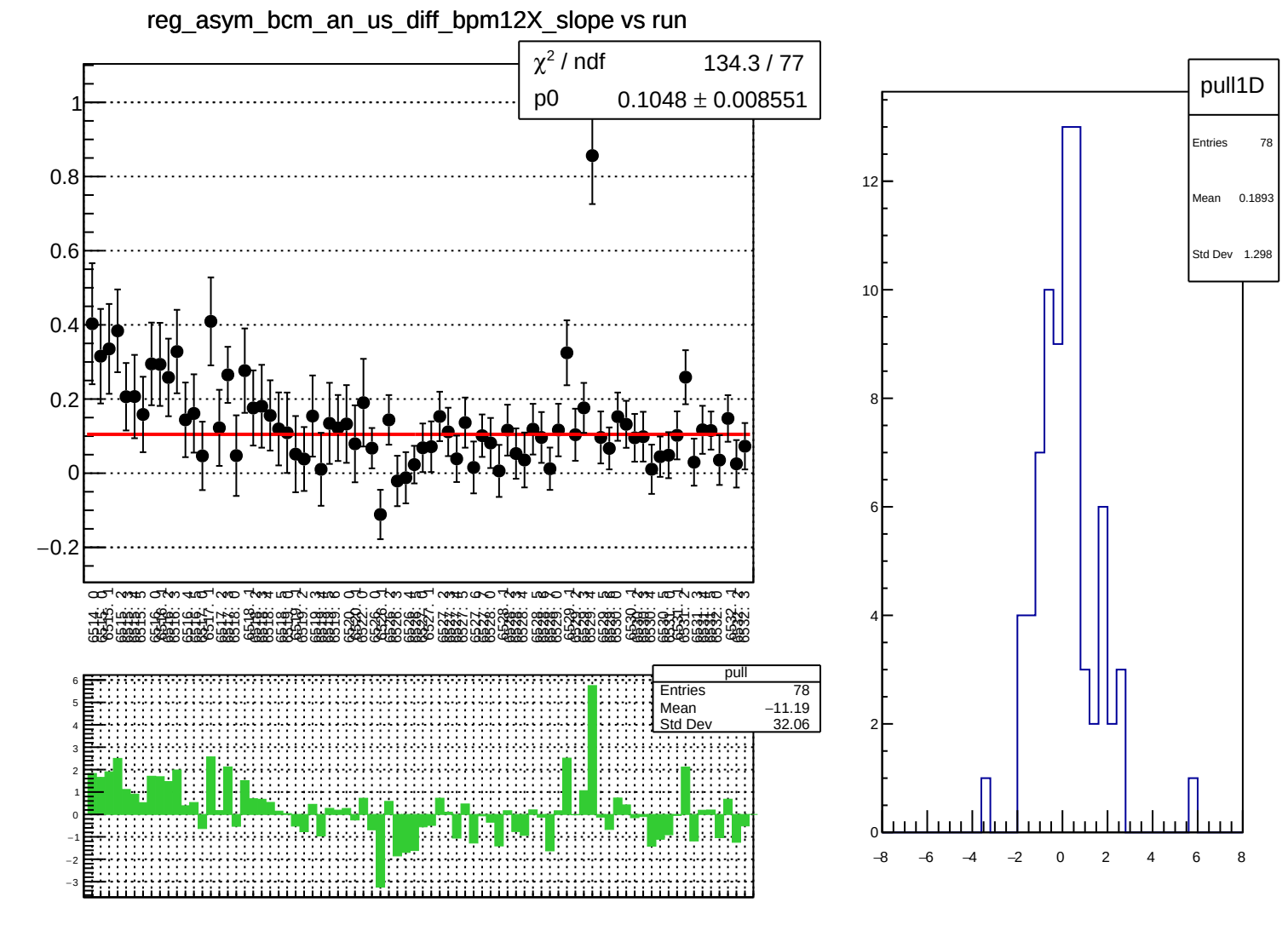

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 209.4 / 77
p0 −3.18 ± 0.2355
pull
Entries 78
Mean 111.1
Std Dev 69.88
pull1D
Entries 78
Mean −0.2939
Std Dev 1.612

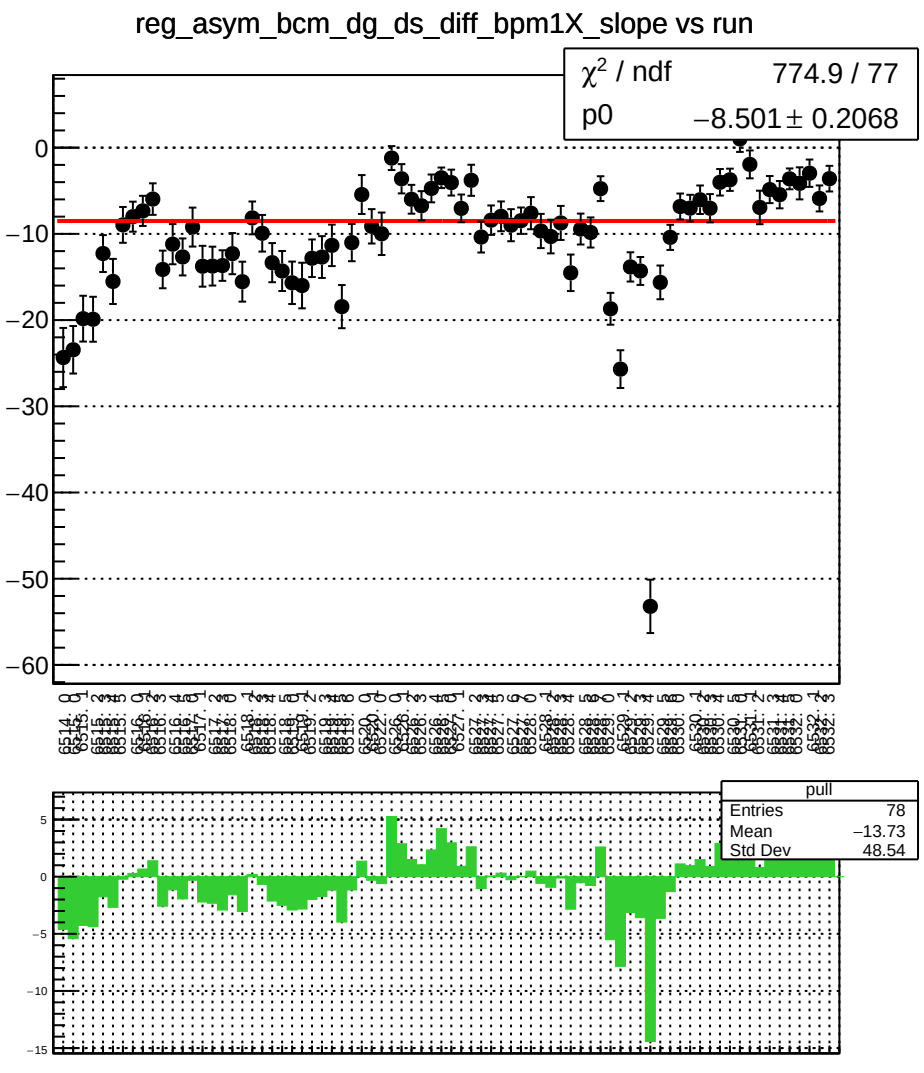

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 740.7 / 77
p0 8.966 ± 0.2226
pull
Entries 78
Mean −11.24
Std Dev 46.67

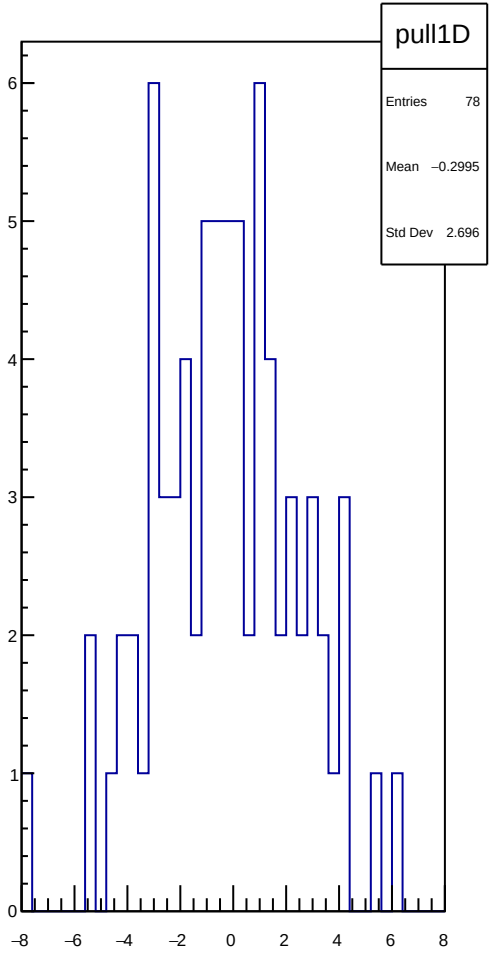

pull1D
Entries 78
Mean 0.2576
Std Dev 2.609

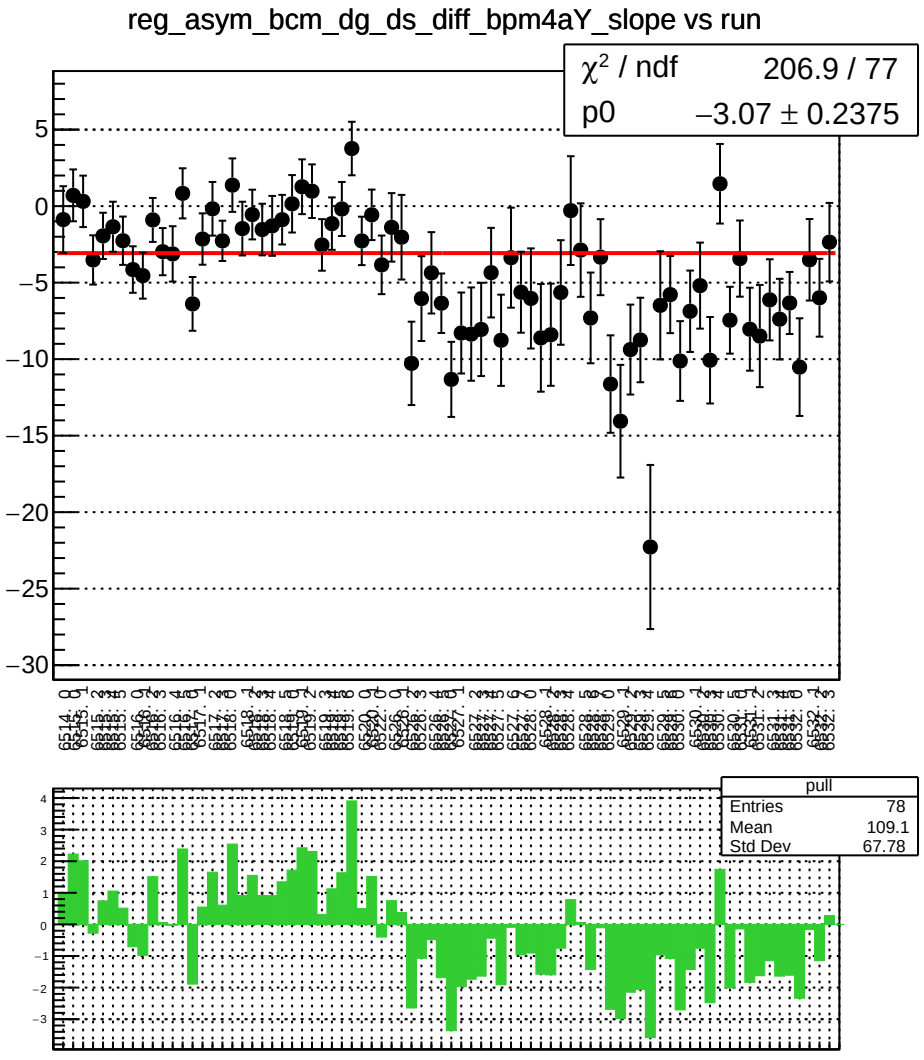

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 190.3 / 77
p0 3.083 ± 0.2599
pull
Entries 78
Mean 157
Std Dev 117

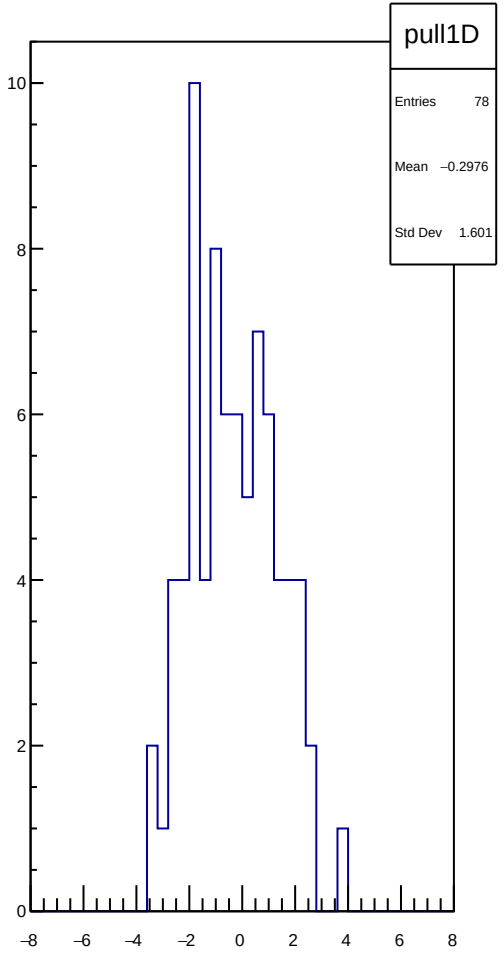

pull1D
Entries 78
Mean 0.1554
Std Dev 1.554

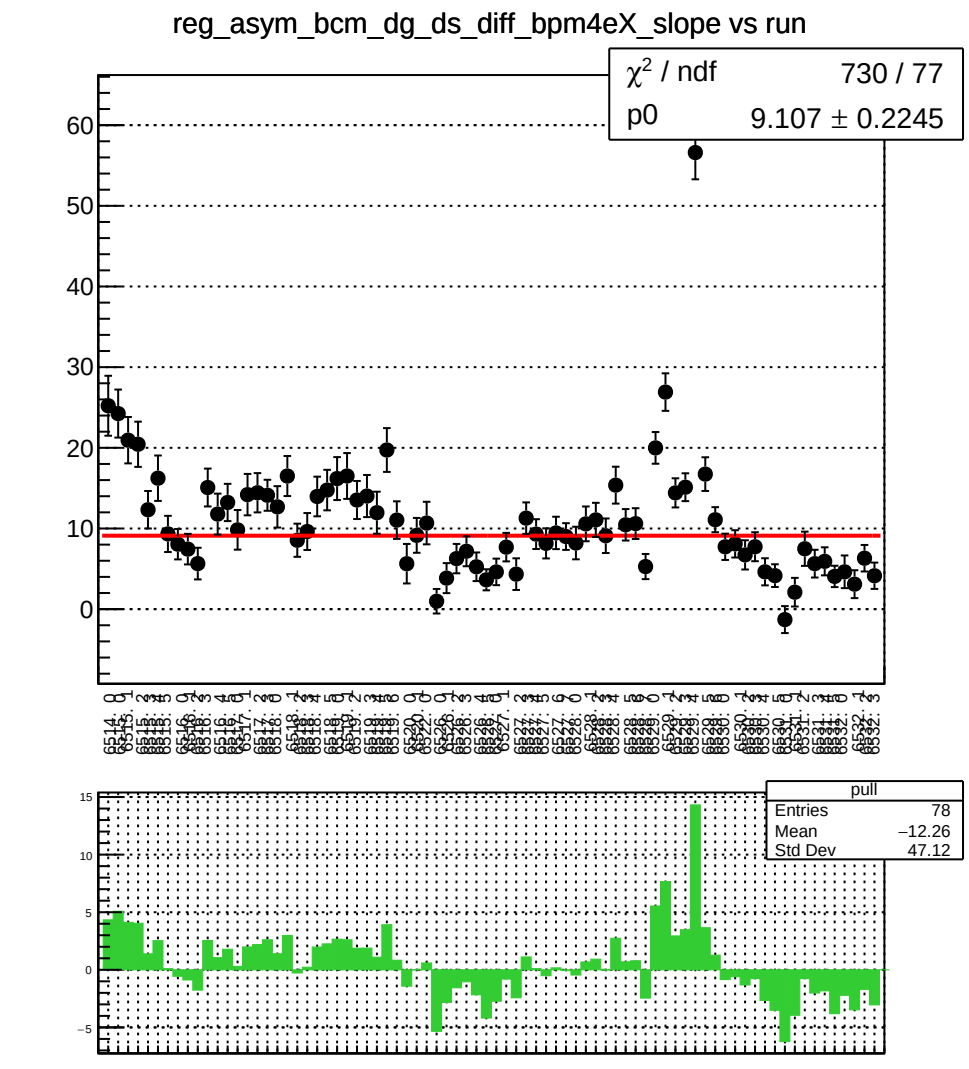

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 134.3 / 77
p0 0.1048 ± 0.008551
pull
Entries 78
Mean −11.19
Std Dev 32.06
pull1D
Entries 78
Mean 0.1893
Std Dev 1.298

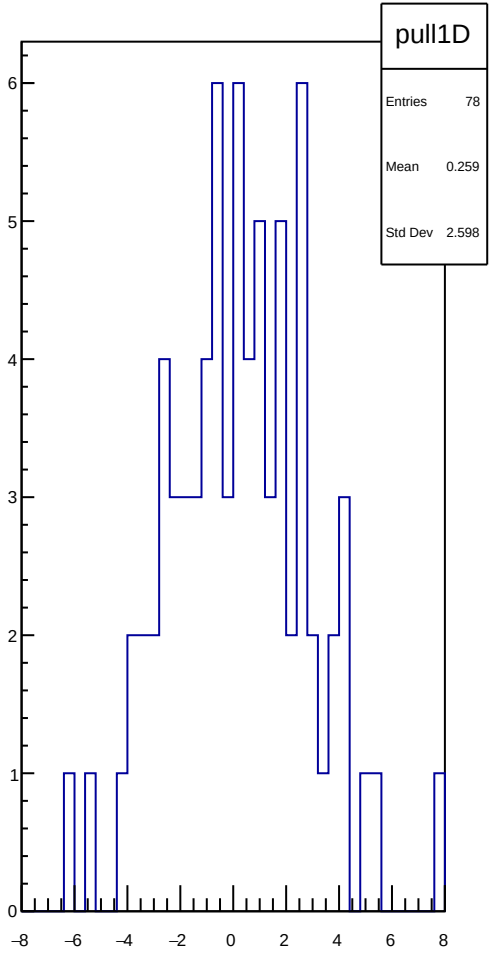

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 774.9 / 77
p0 −8.501 ± 0.2068
pull
Entries 78
Mean −13.73
Std Dev 48.54

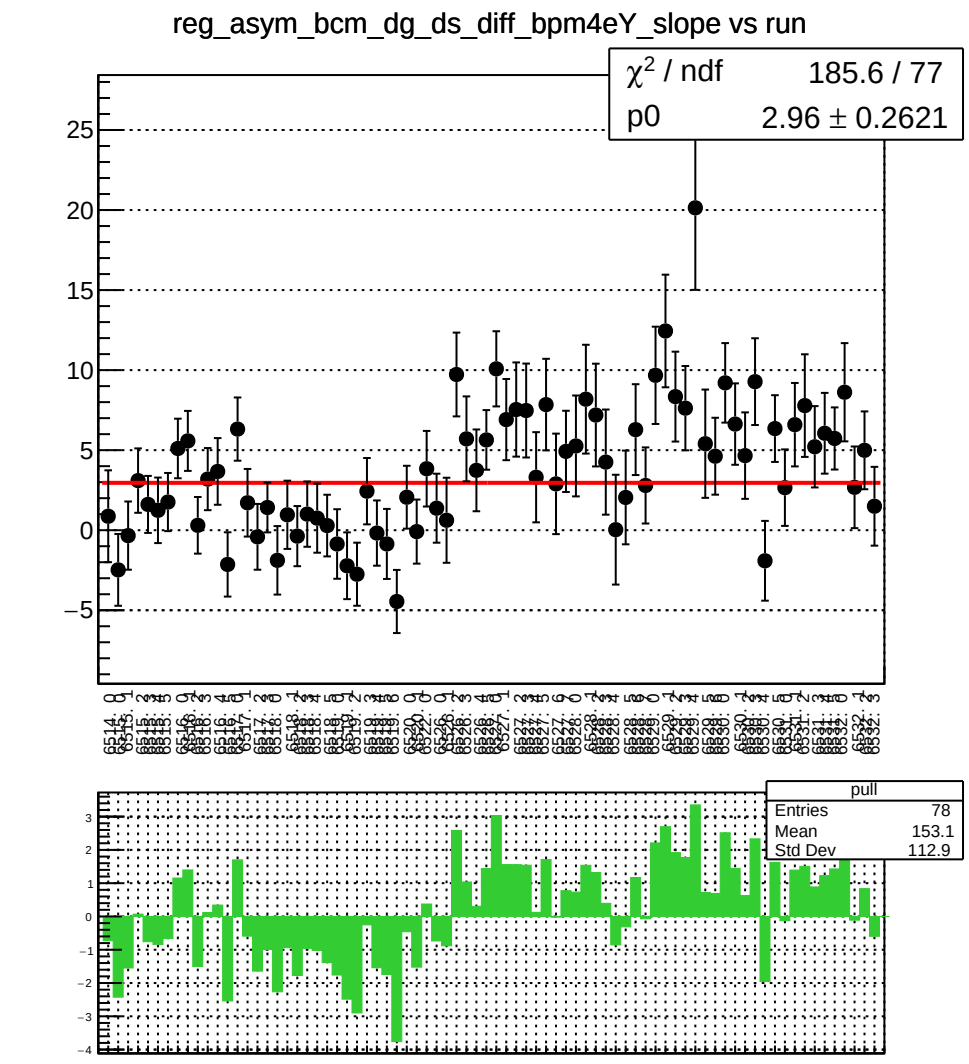

pull1D
Entries 78
Mean −0.2995
Std Dev 2.696

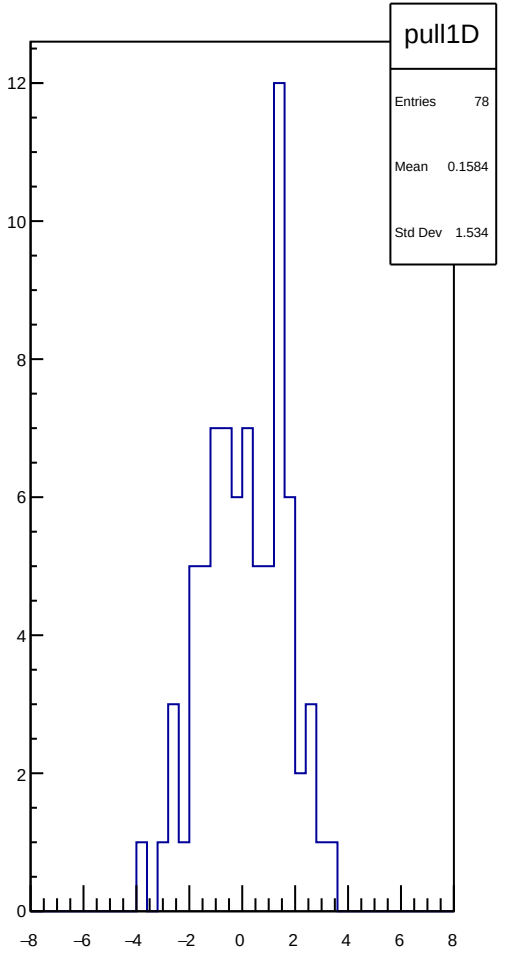

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 206.9 / 77
p0 −3.07 ± 0.2375
pull
Entries 78
Mean 109.1
Std Dev 67.78

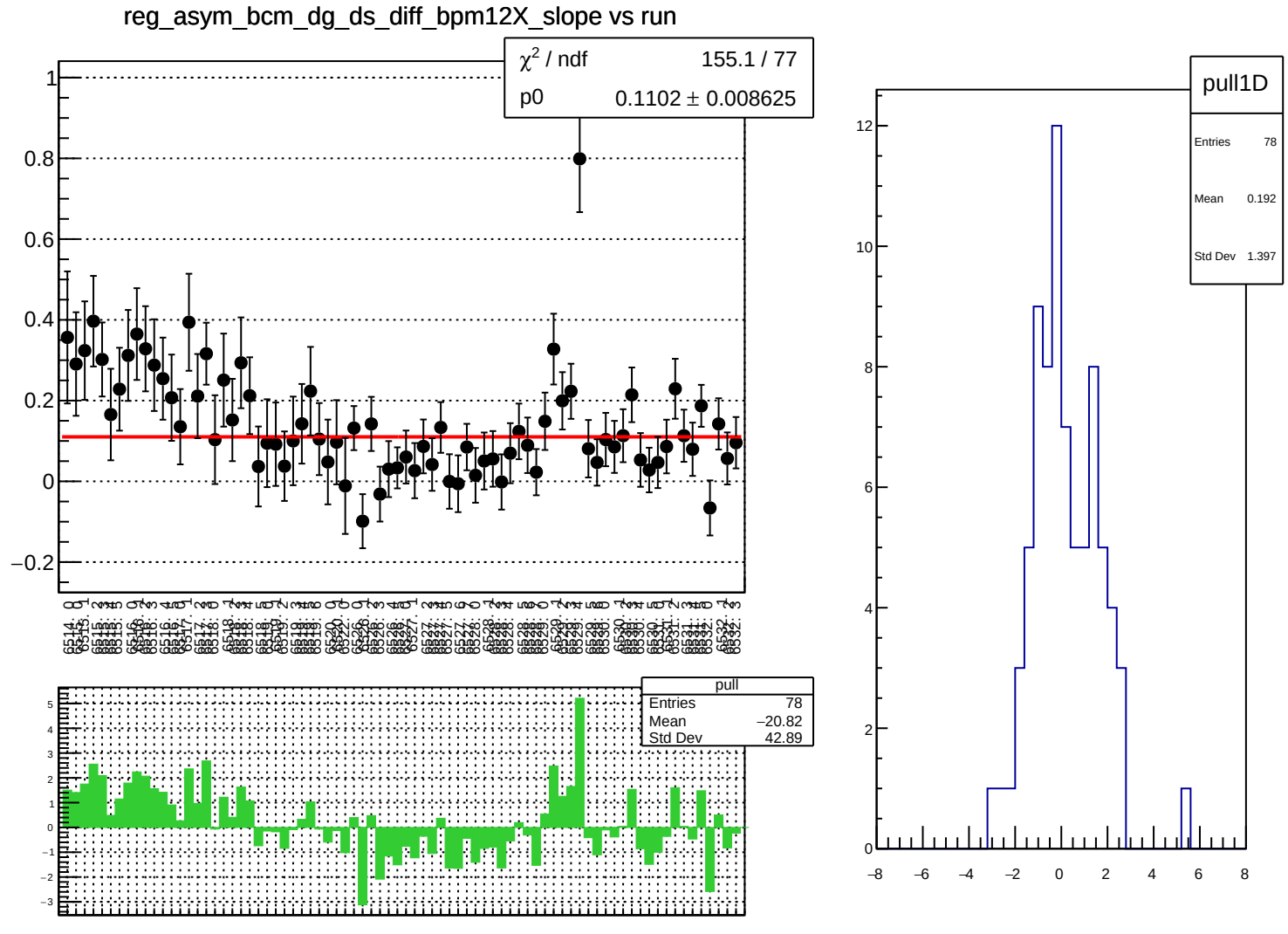

pull1D
Entries 78
Mean −0.2976
Std Dev 1.601

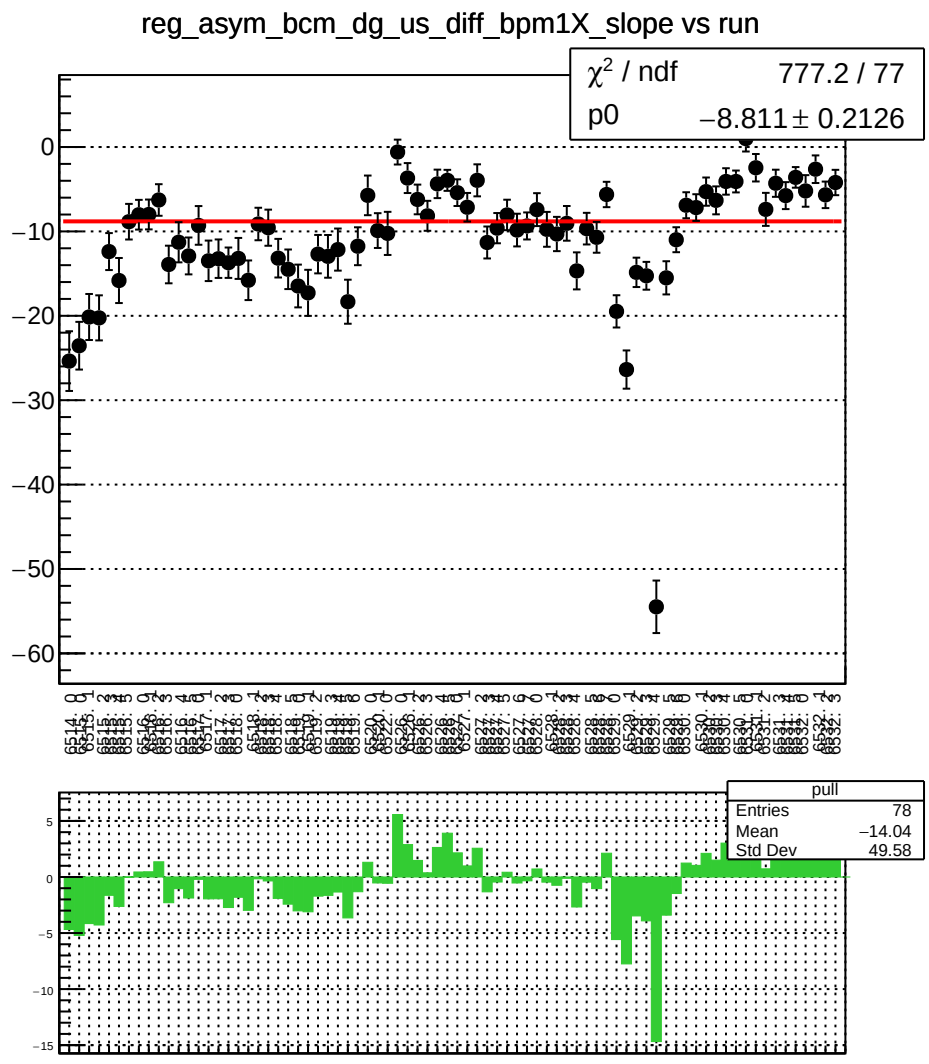

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 730 / 77
p0 9.107 ± 0.2245
pull
Entries 78
Mean −12.26
Std Dev 47.12

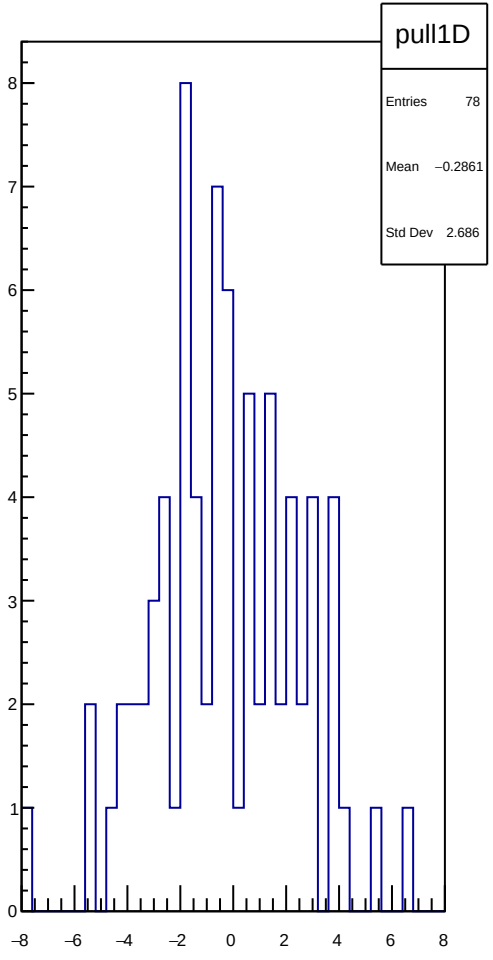

pull1D
Entries 78
Mean 0.259
Std Dev 2.598

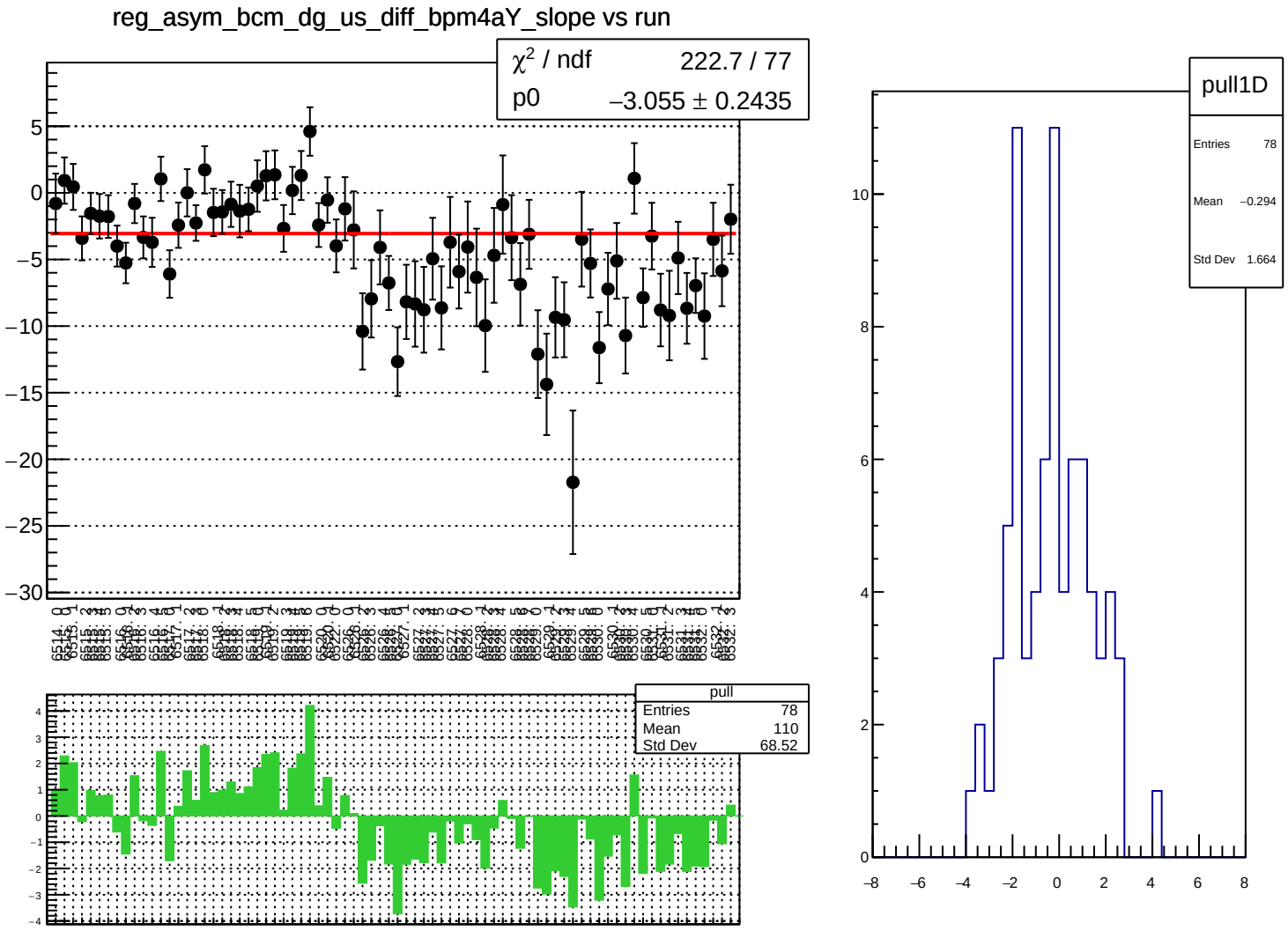

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 185.6 / 77
p0 2.96 ± 0.2621
pull
Entries 78
Mean 153.1
Std Dev 112.9

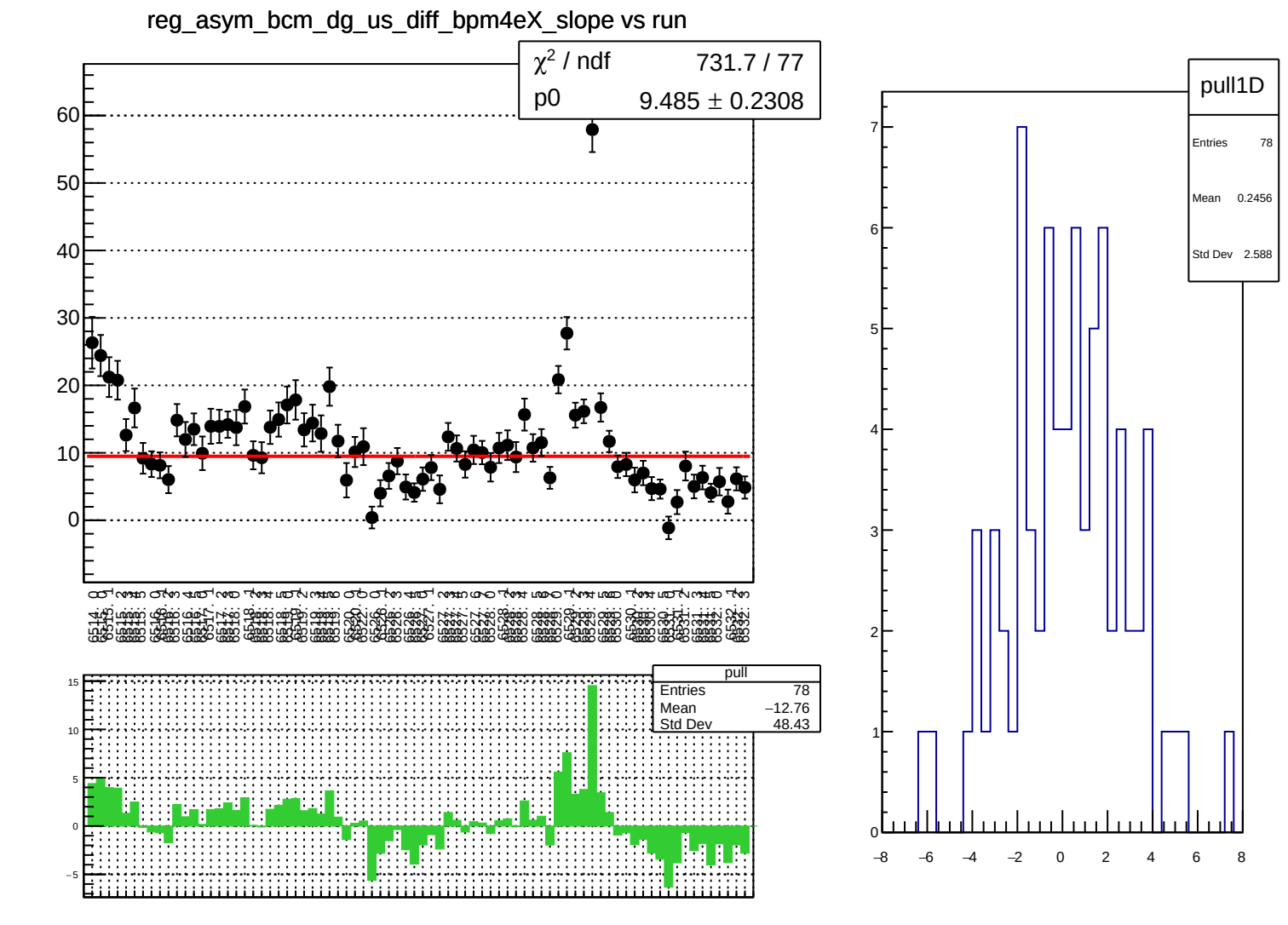

pull1D
Entries 78
Mean 0.1584
Std Dev 1.534

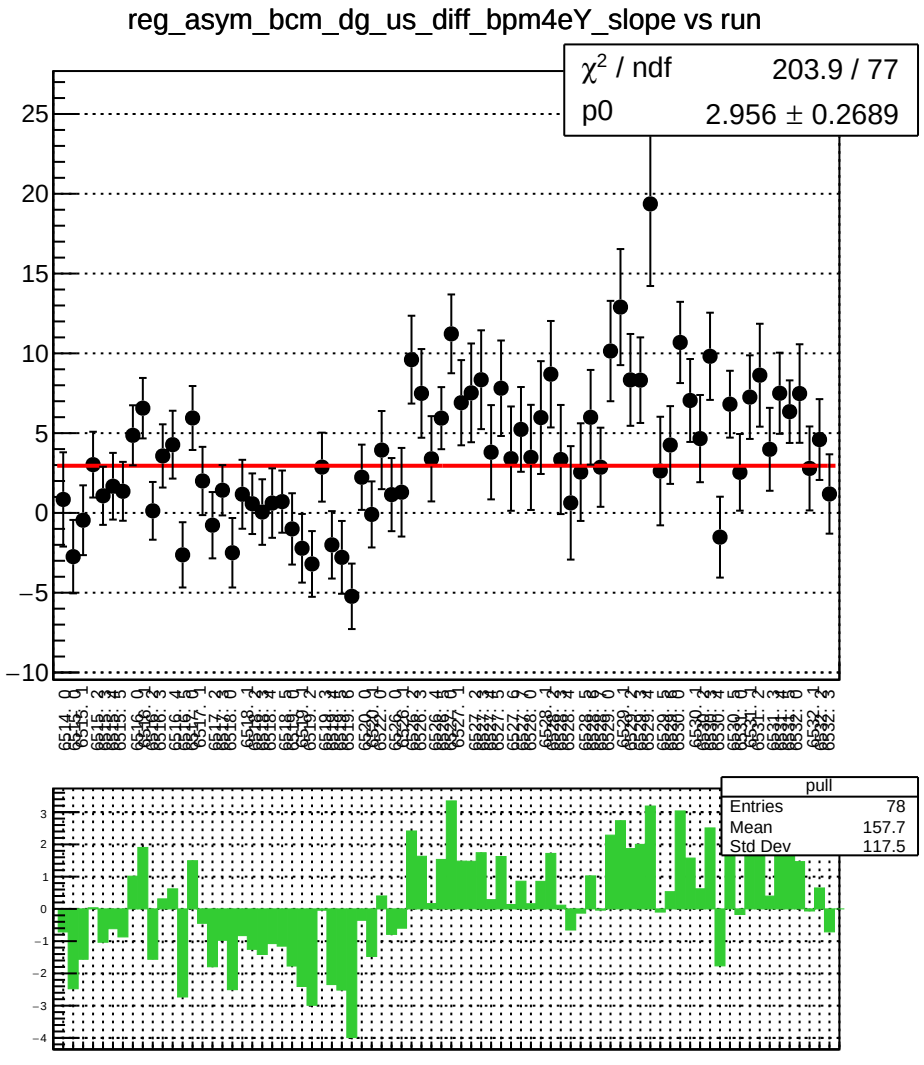

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 155.1 / 77
p0 0.1102 ± 0.008625
pull
Entries 78
Mean −20.82
Std Dev 42.89
pull1D
Entries 78
Mean 0.192
Std Dev 1.397

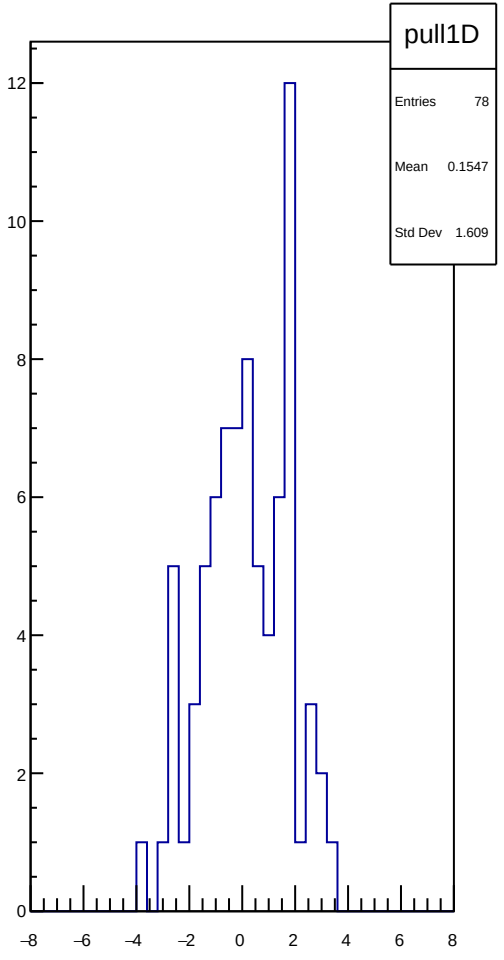

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 777.2 / 77
p0 −8.811 ± 0.2126
pull
Entries 78
Mean −14.04
Std Dev 49.58

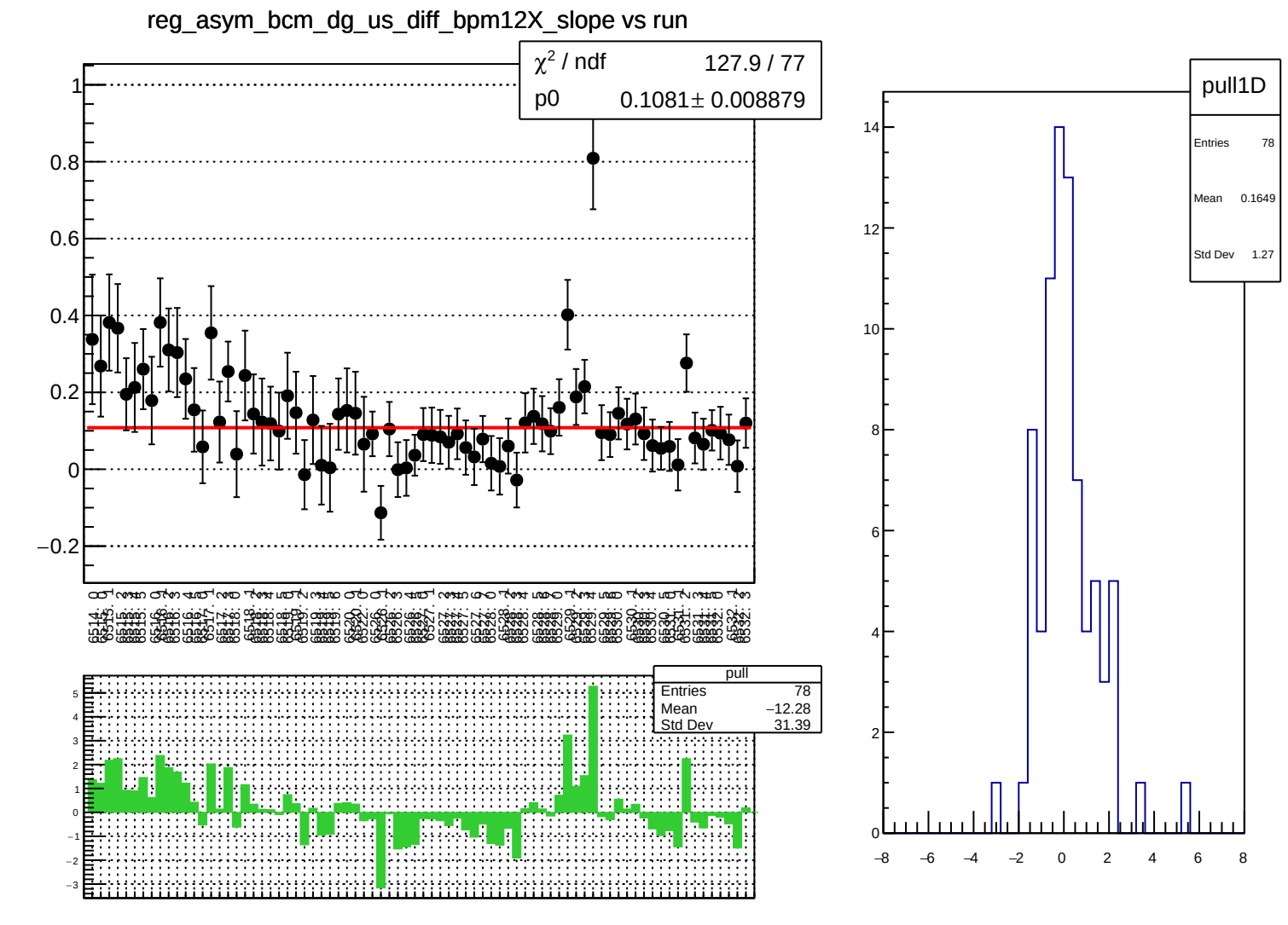

pull1D
Entries 78
Mean −0.2861
Std Dev 2.686


reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 222.7 / 77
p0 −3.055 ± 0.2435
pull
Entries 78
Mean 110
Std Dev 68.52
pull1D
Entries 78
Mean −0.294
Std Dev 1.664


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 731.7 / 77
p0 9.485 ± 0.2308
pull
Entries 78
Mean −12.76
Std Dev 48.43
pull1D
Entries 78
Mean 0.2456
Std Dev 2.588


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 203.9 / 77
p0 2.956 ± 0.2689
pull
Entries 78
Mean 157.7
Std Dev 117.5


pull1D
Entries 78
Mean 0.1547
Std Dev 1.609


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 127.9 / 77
p0 0.1081 ± 0.008879
pull
Entries 78
Mean −12.28
Std Dev 31.39
pull1D
Entries 78
Mean 0.1649
Std Dev 1.27