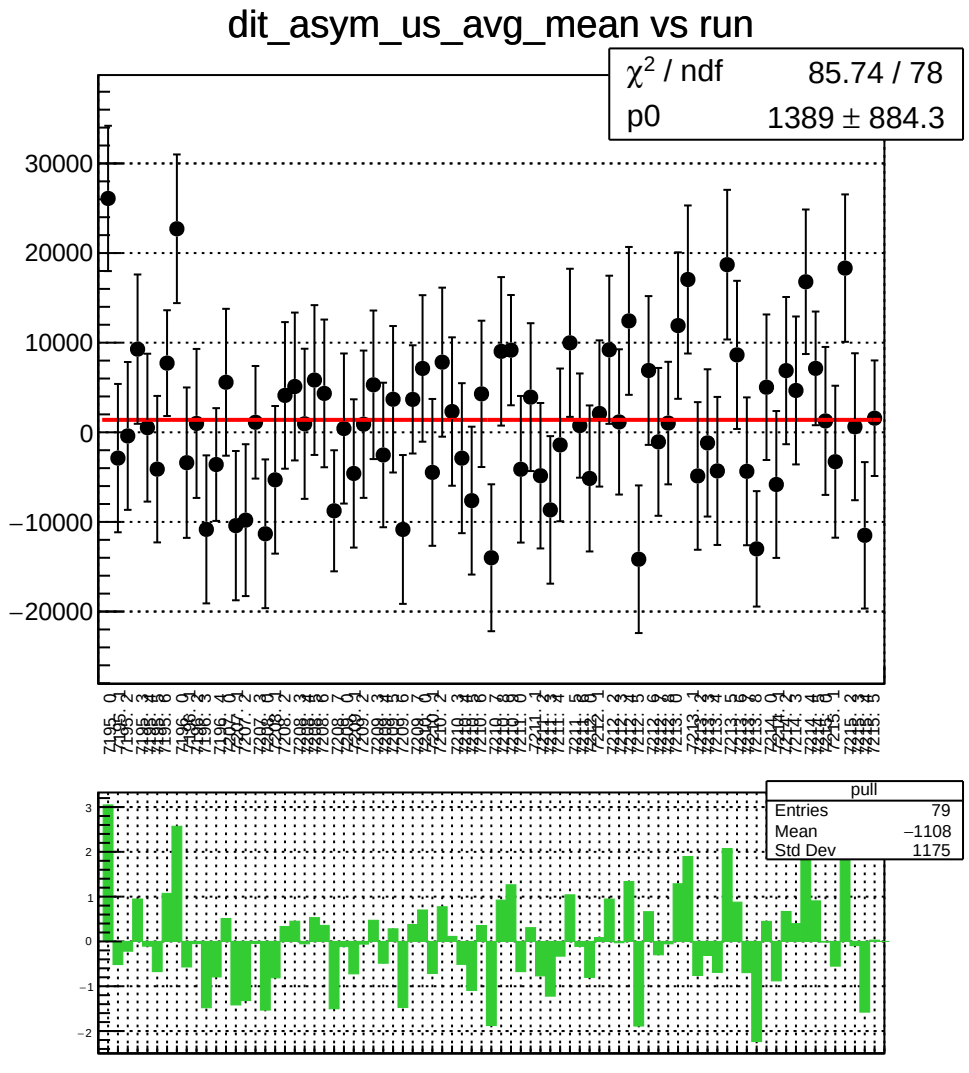
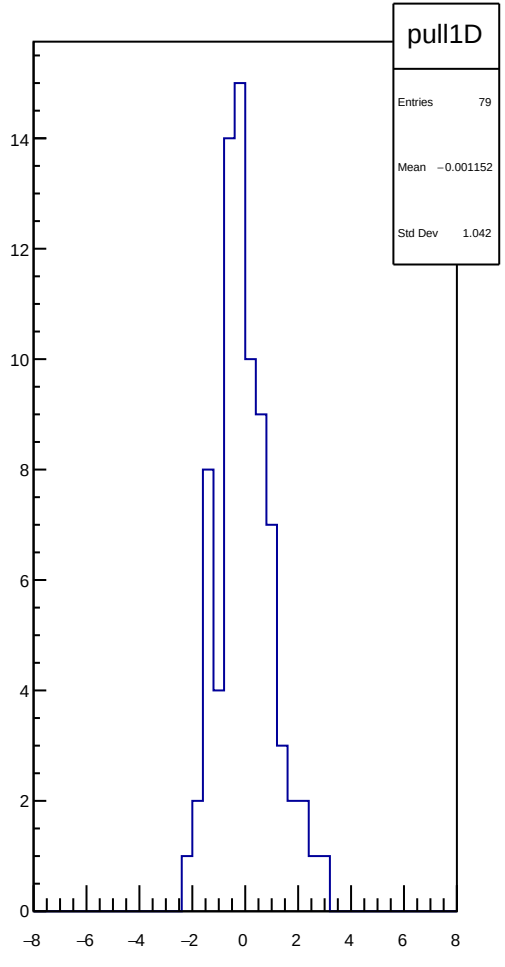
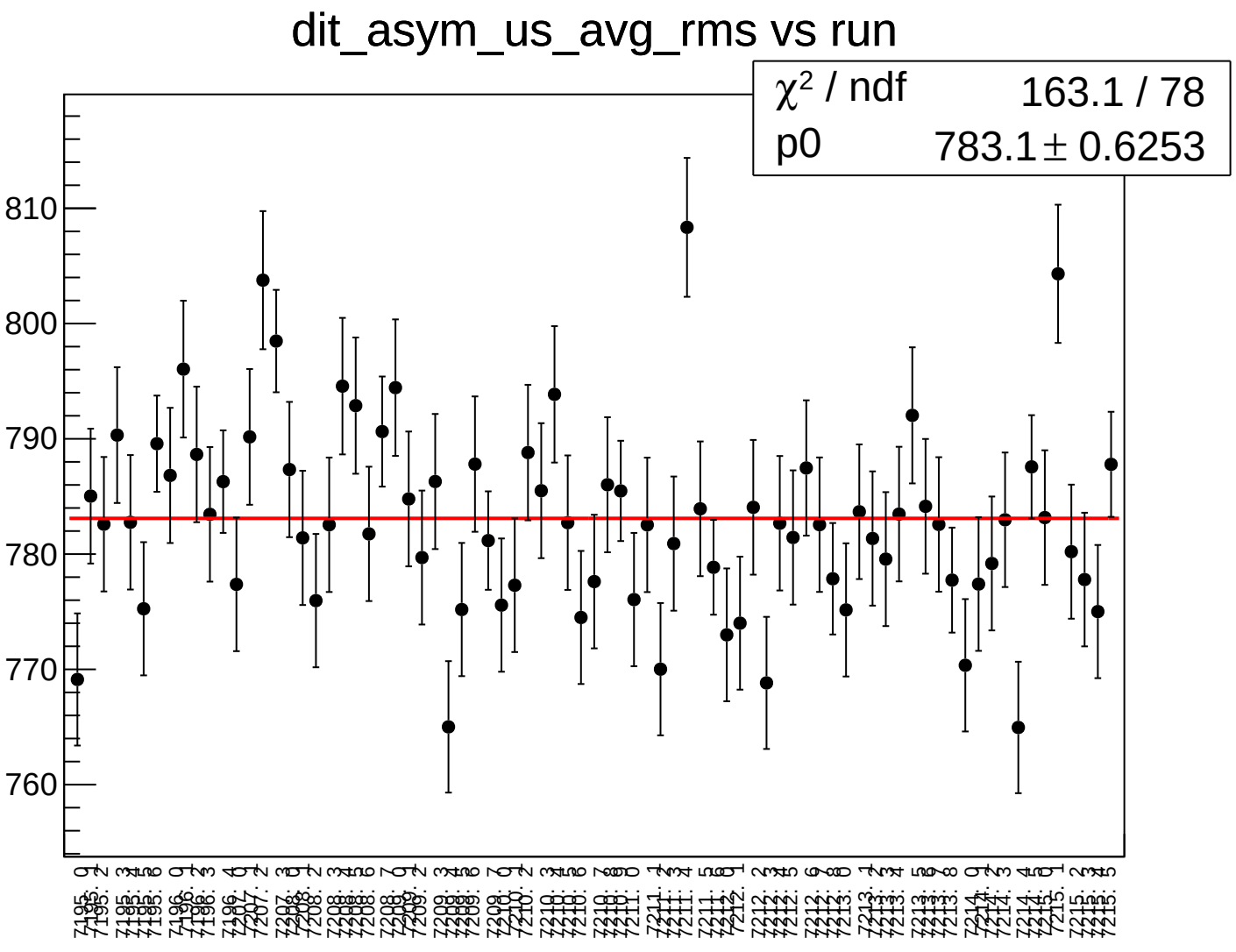
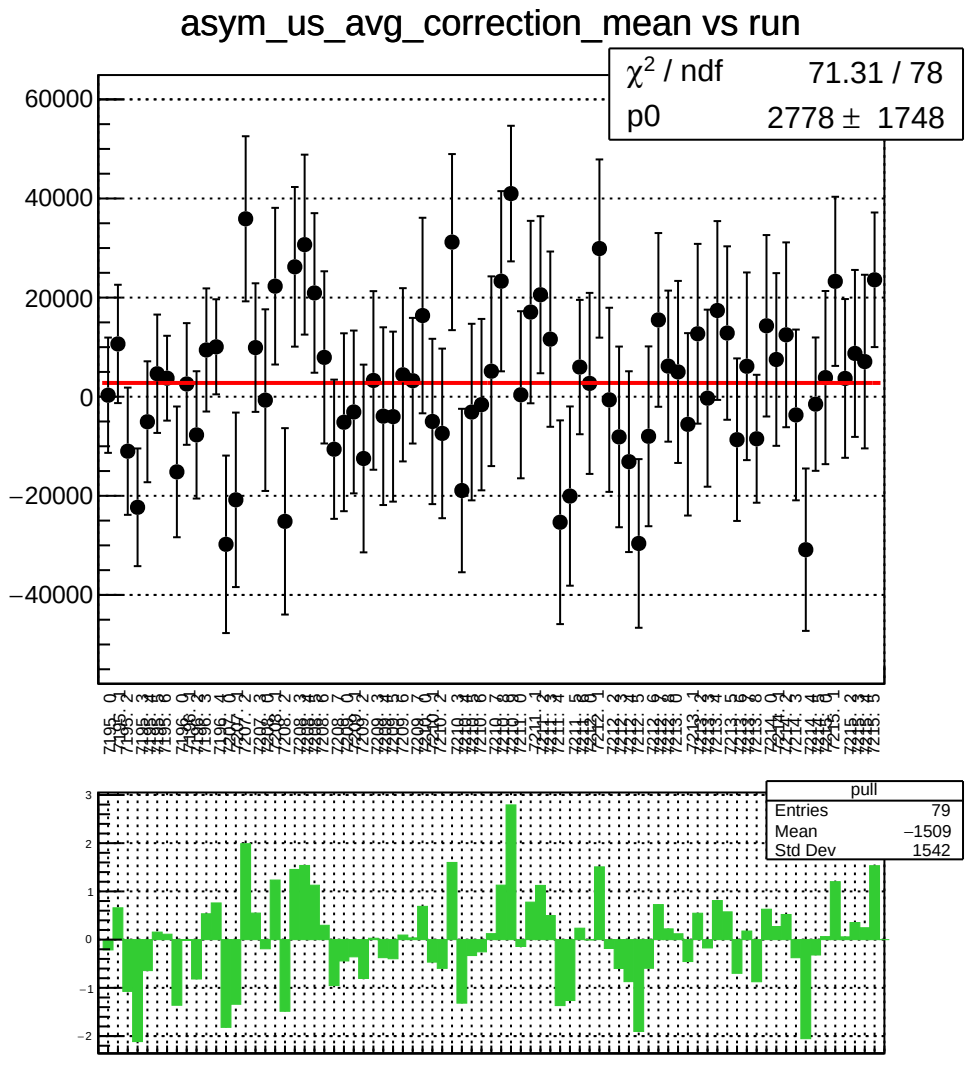
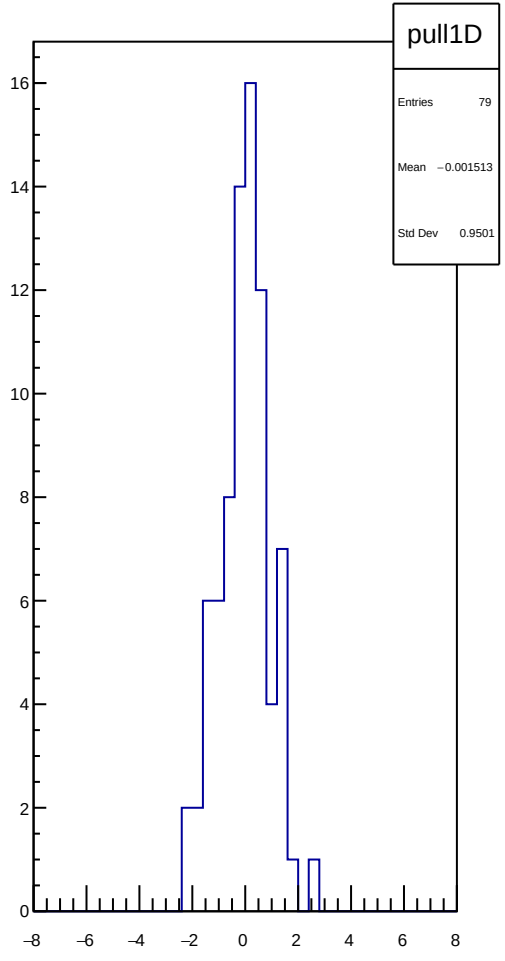
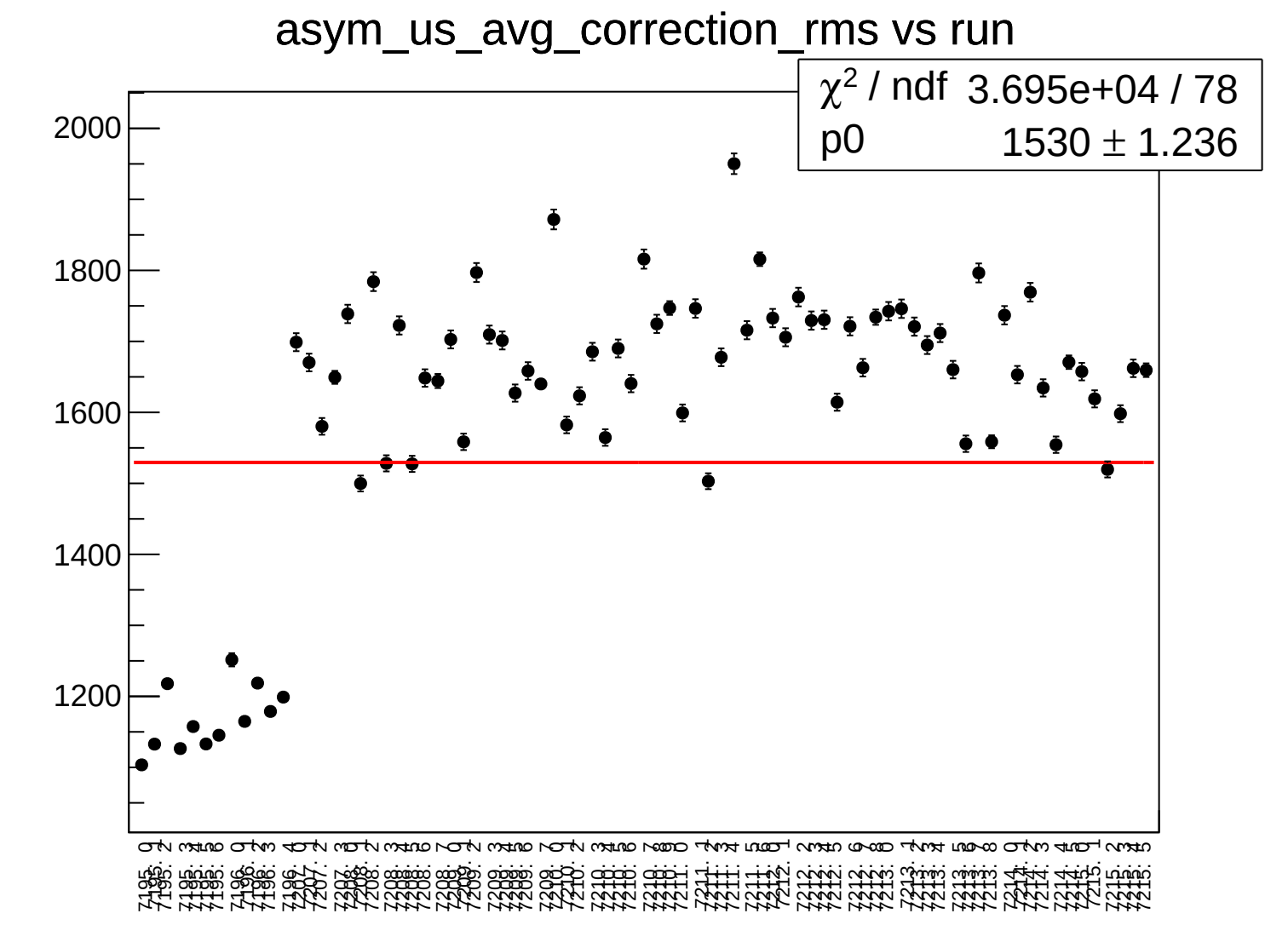

dit_asym_us_avg_mean vs run
χ² / ndf 85.74 / 78
p0 1389 ± 884.3
30000
20000
10000
0
−10000
−20000
pull
Entries 79
Mean −1108
Std Dev 1175
3
2
1
0
−1
−2

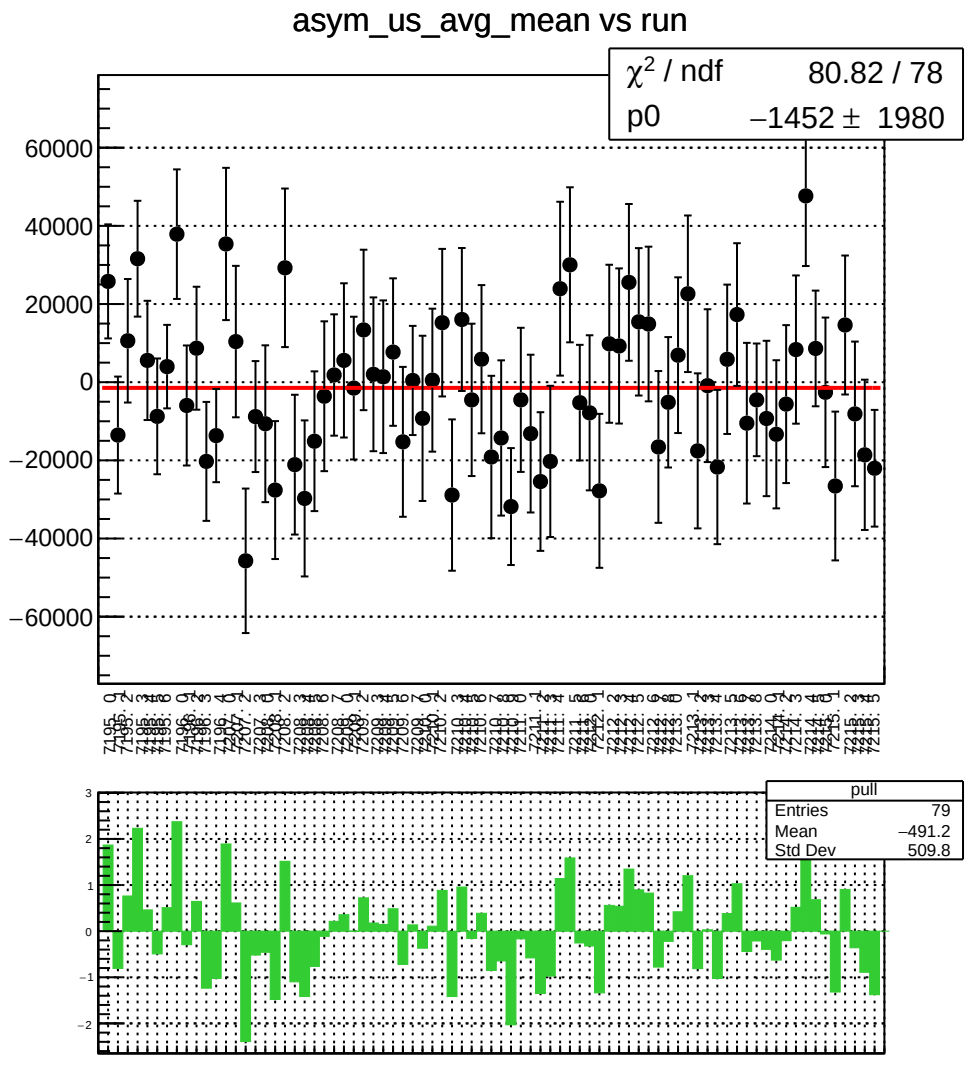

pull1D
Entries 79
Mean −0.001152
Std Dev 1.042
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

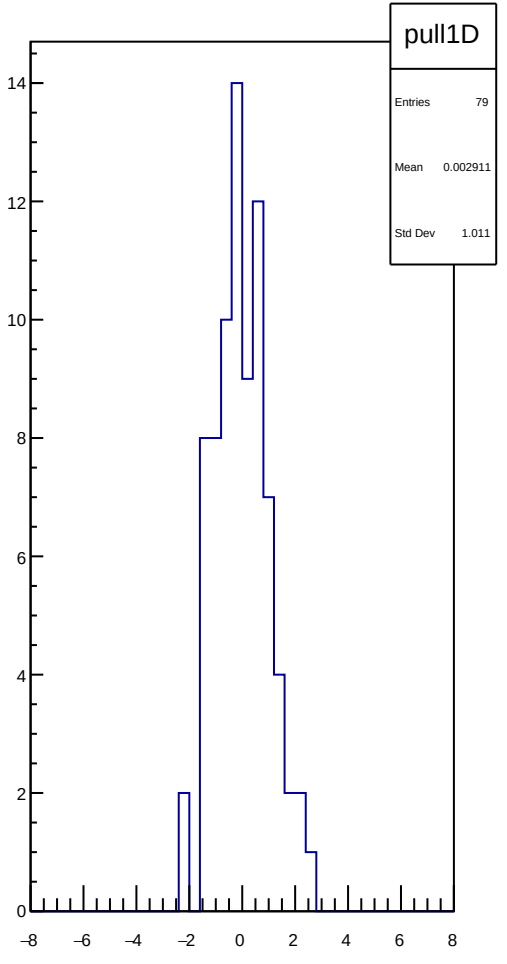

dit_asym_us_avg_rms vs run
χ² / ndf 163.1 / 78
p0 783.1 ± 0.6253
810
800
790
780
770
760

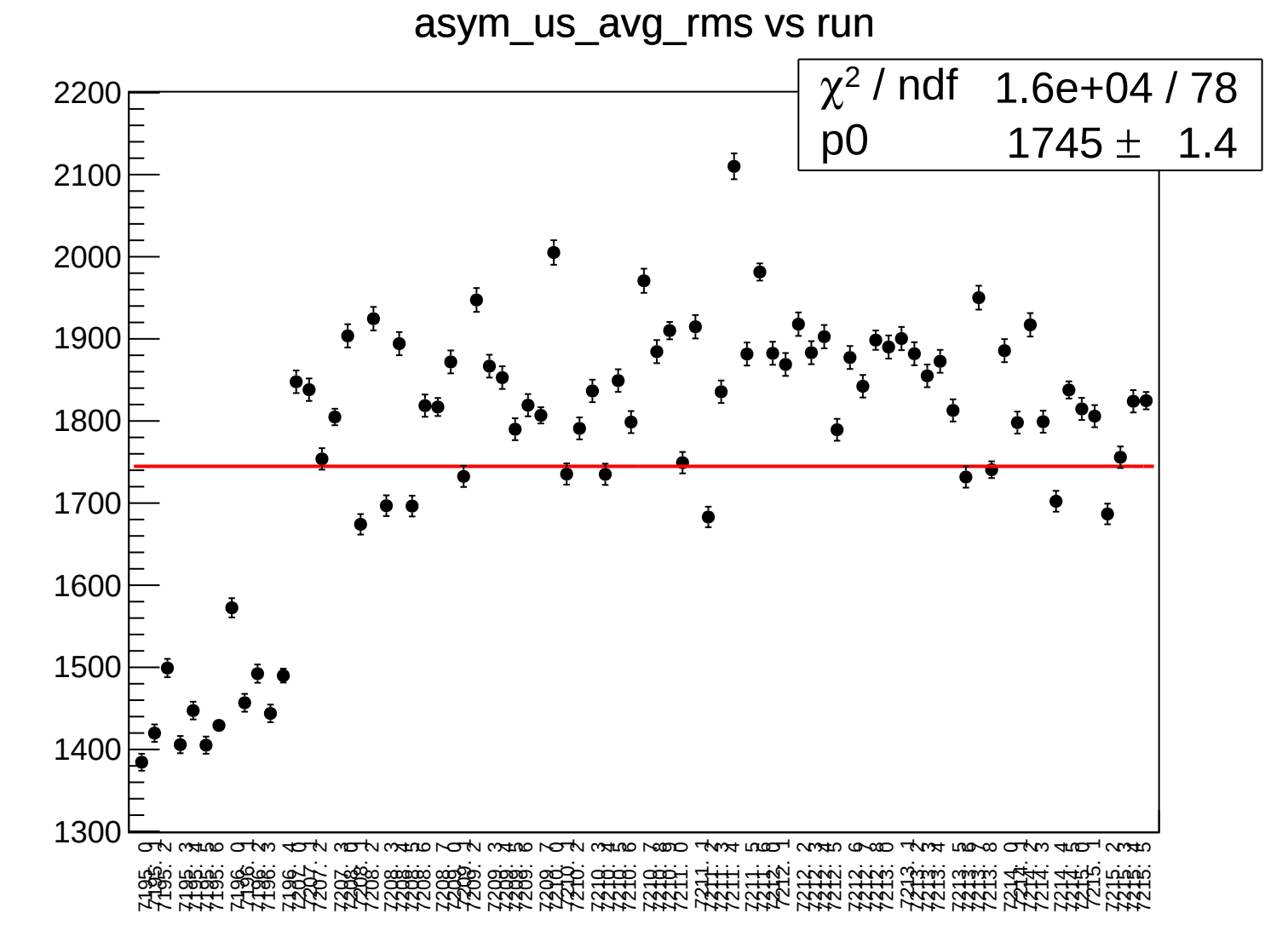

asym_us_avg_correction_mean vs run
χ² / ndf 71.31 / 78
p0 2778 ± 1748
60000
40000
20000
0
−20000
−40000
pull
Entries 79
Mean −1509
Std Dev 1542
3
2
1
0
−1
−2

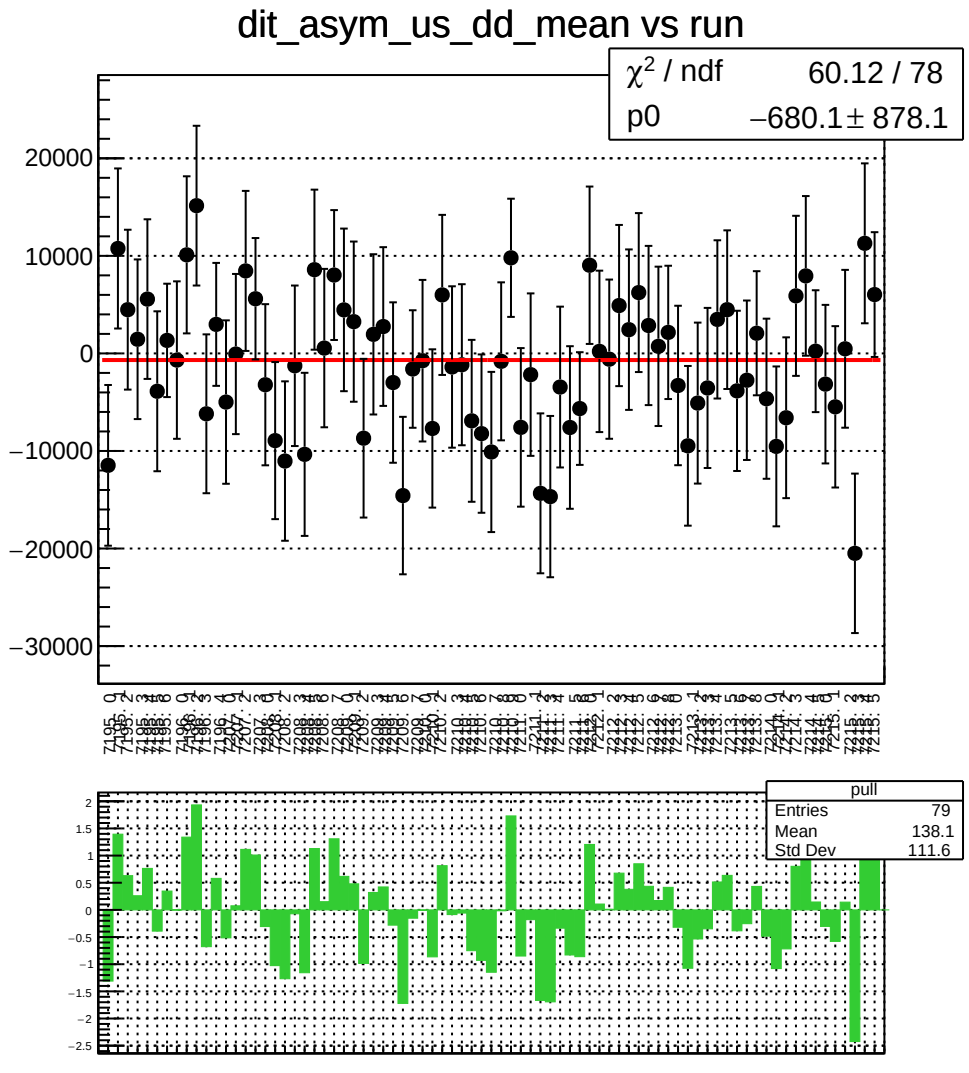

pull1D
Entries 79
Mean −0.001513
Std Dev 0.9501
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

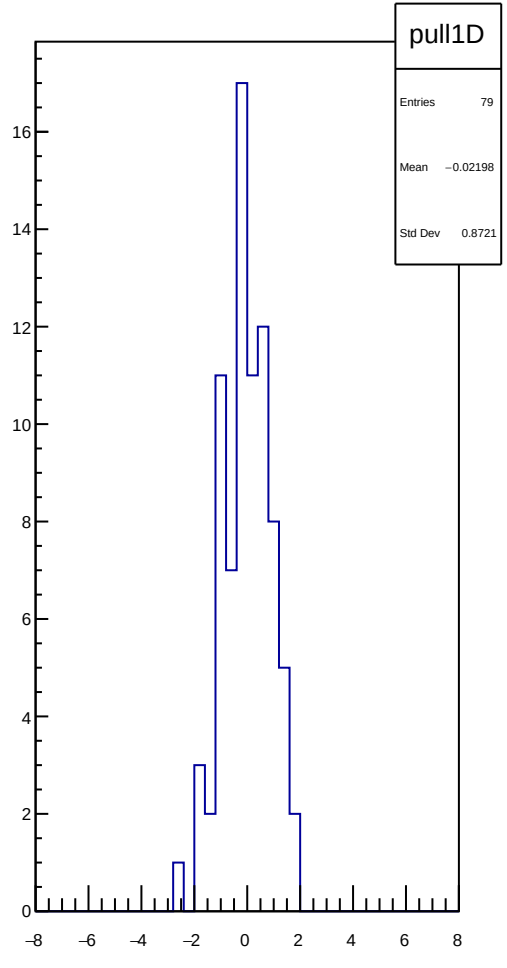

asym_us_avg_correction_rms vs run
χ² / ndf 3.695e+04 / 78
p0 1530 ± 1.236
2000
1800
1600
1400
1200

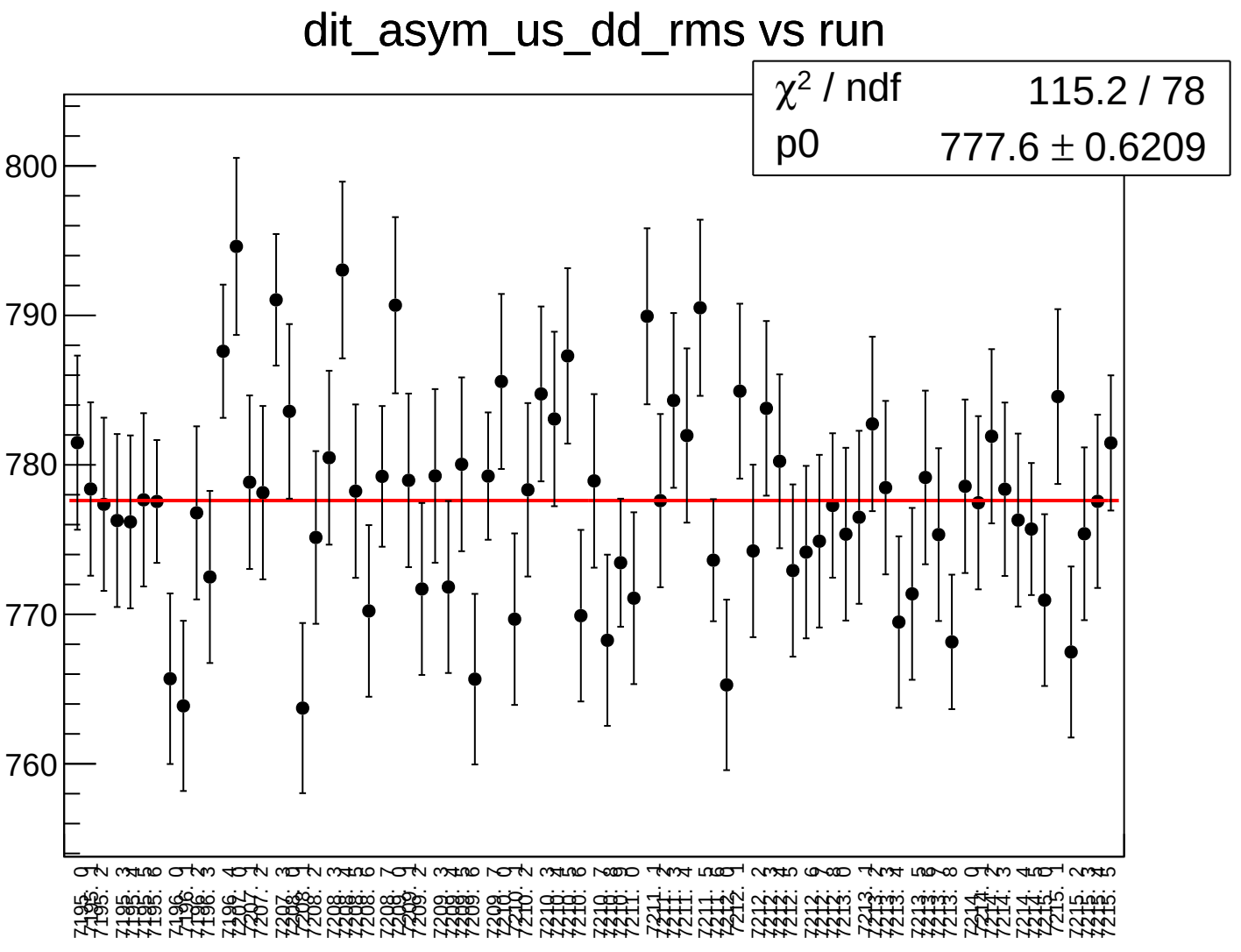

asym_us_avg_mean vs run
χ² / ndf 80.82 / 78
p0 −1452 ± 1980
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 79
Mean −491.2
Std Dev 509.8
3
2
1
0
−1
−2

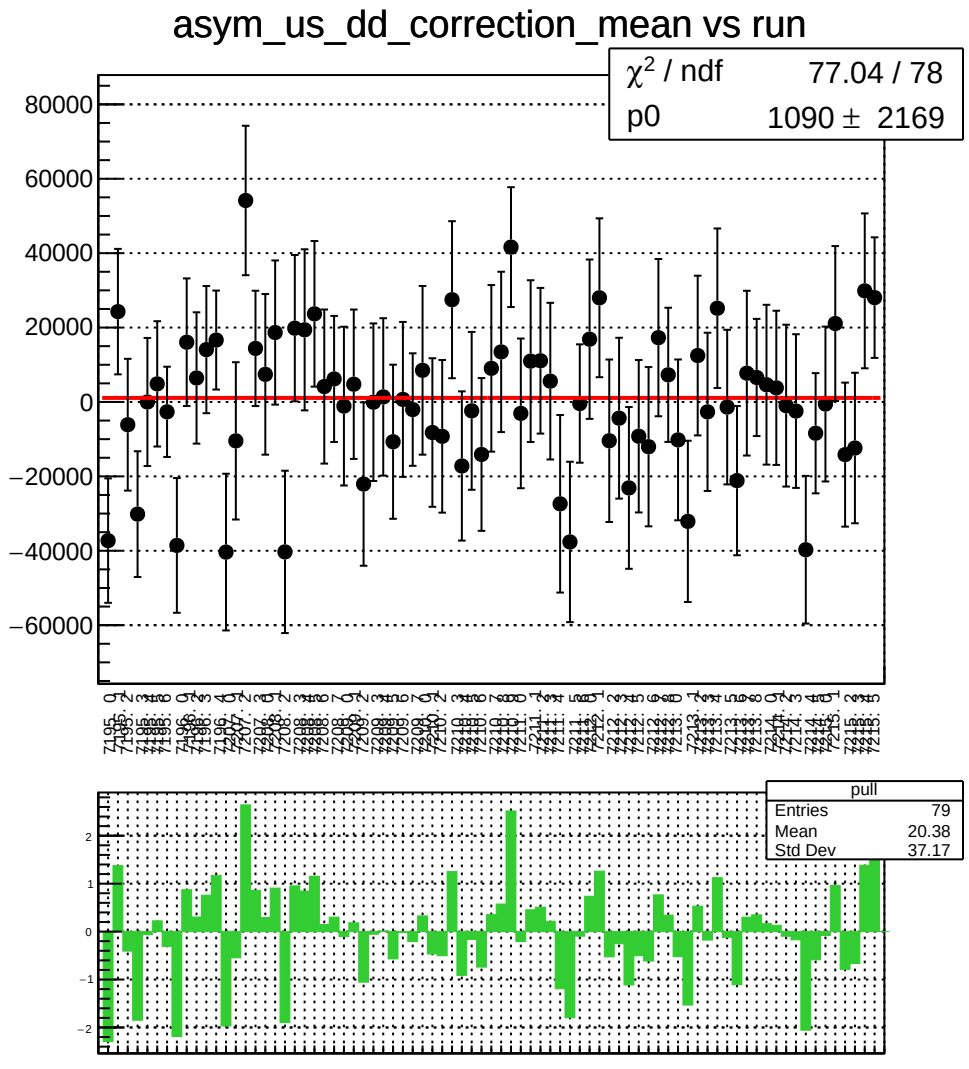

pull1D
Entries 79
Mean 0.002911
Std Dev 1.011
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

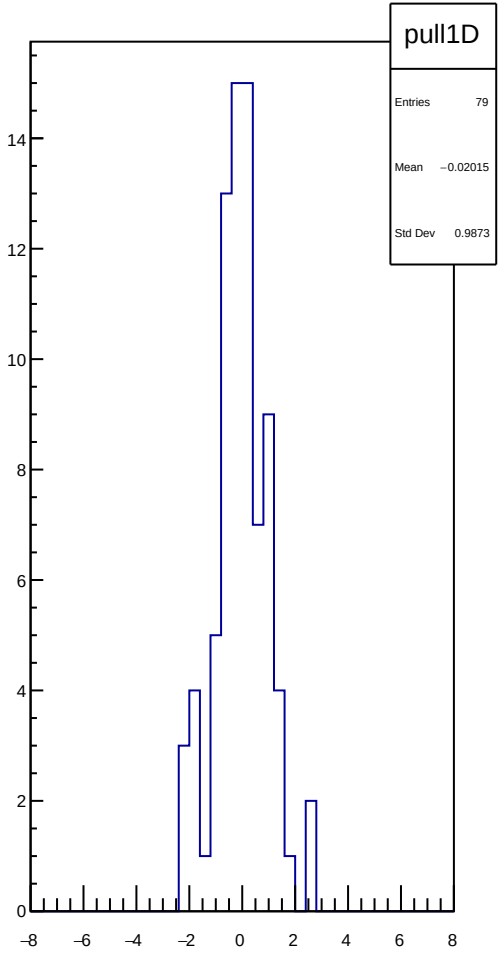

asym_us_avg_rms vs run
χ² / ndf 1.6e+04 / 78
p0 1745 ± 1.4
2200
2100
2000
1900
1800
1700
1600
1500
1400
1300

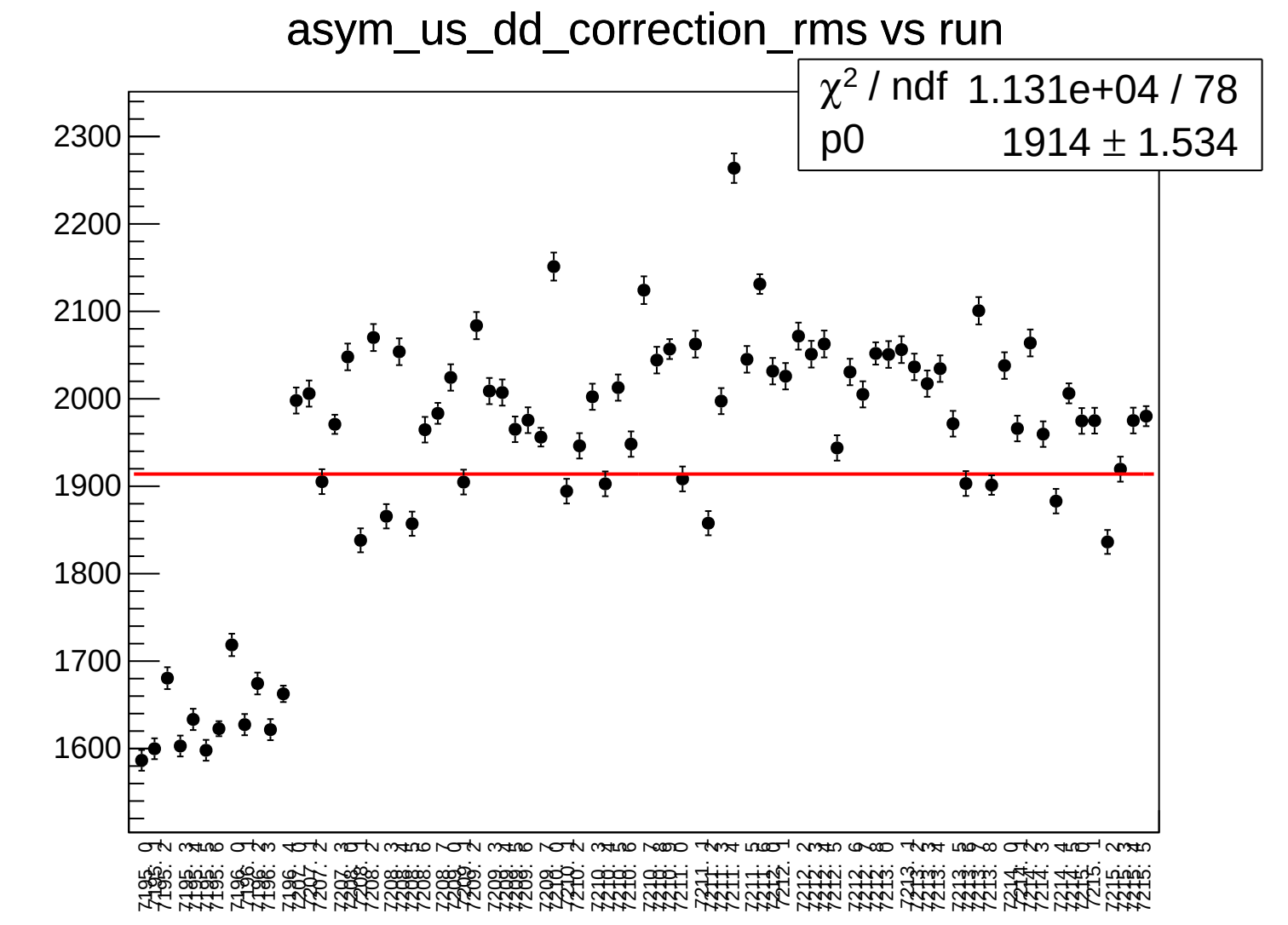

dit_asym_us_dd_mean vs run
χ² / ndf 60.12 / 78
p0 −680.1 ± 878.1
20000
10000
0
−10000
−20000
−30000
pull
Entries 79
Mean 138.1
Std Dev 111.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

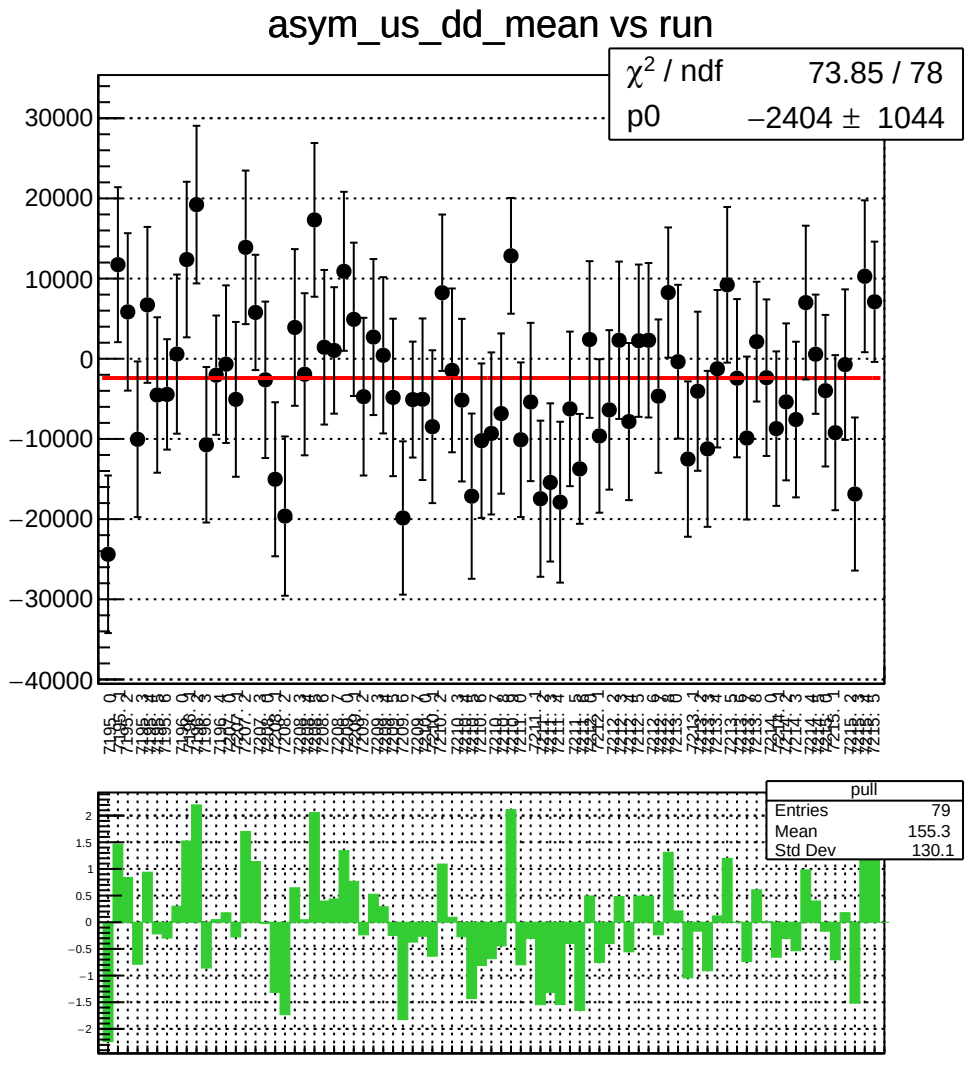

pull1D
Entries 79
Mean −0.02198
Std Dev 0.8721
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

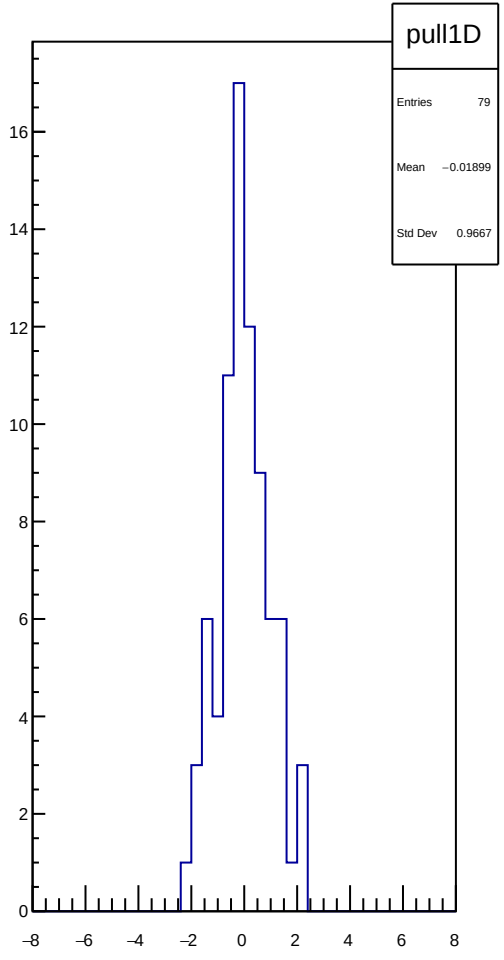

dit_asym_us_dd_rms vs run
χ² / ndf 115.2 / 78
p0 777.6 ± 0.6209
800
790
780
770
760

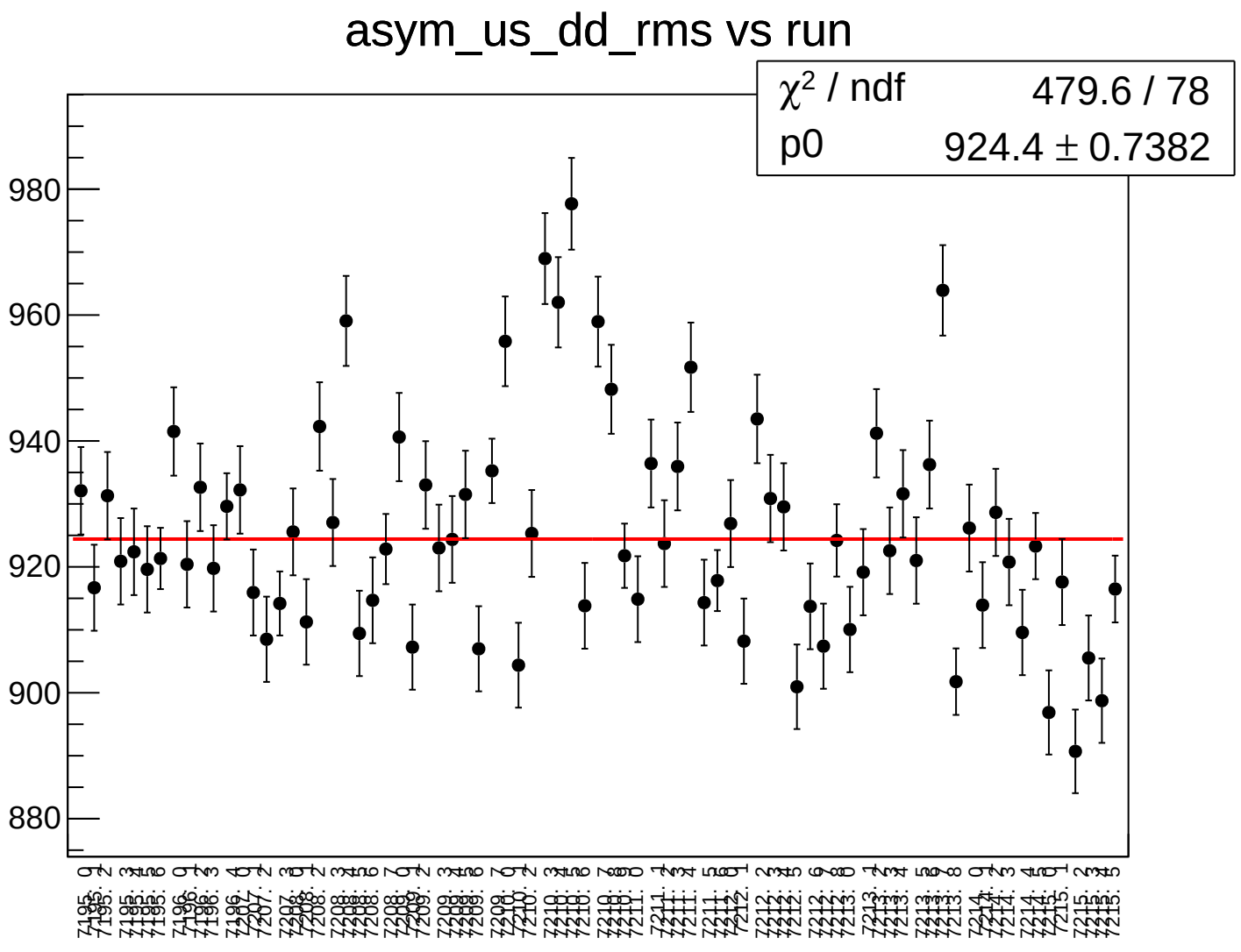

asym_us_dd_correction_mean vs run
χ² / ndf 77.04 / 78
p0 1090 ± 2169
pull
Entries 79
Mean 20.38
Std Dev 37.17

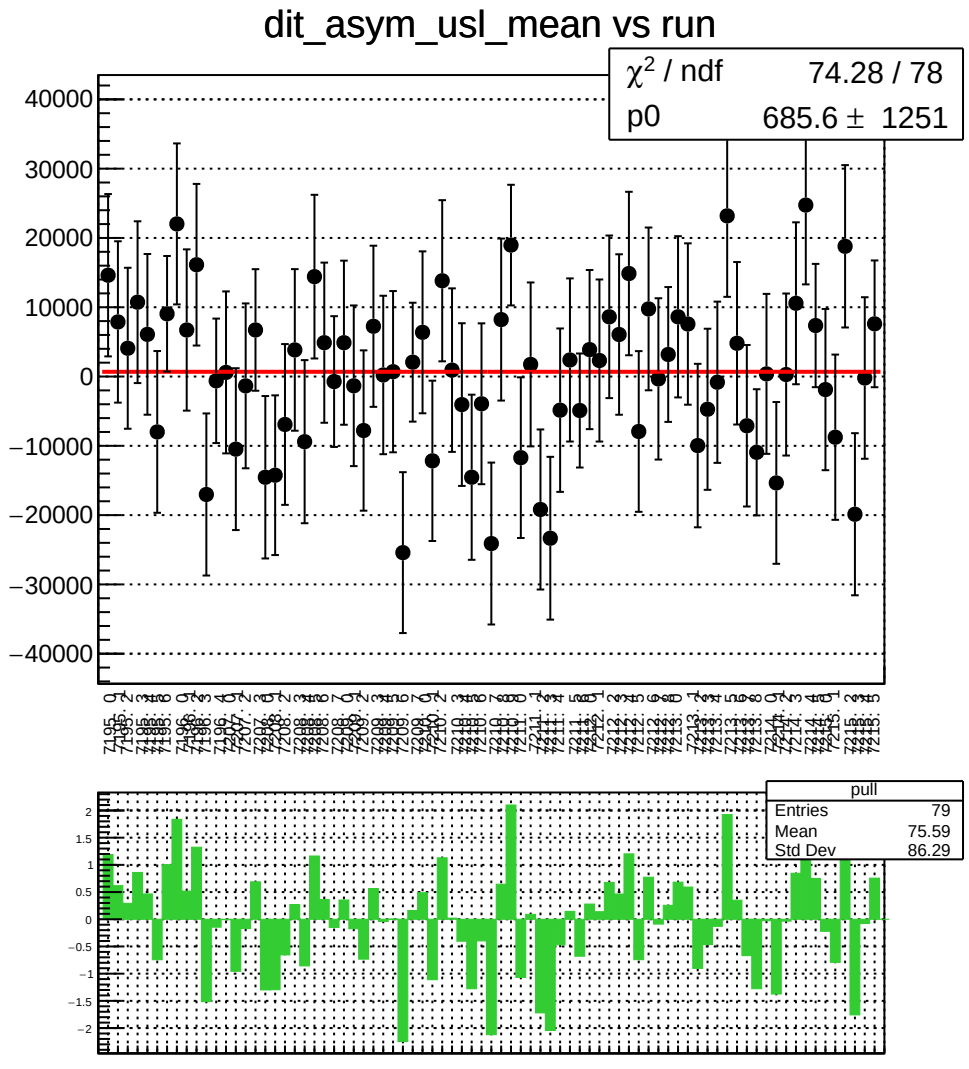

pull1D
Entries 79
Mean −0.02015
Std Dev 0.9873

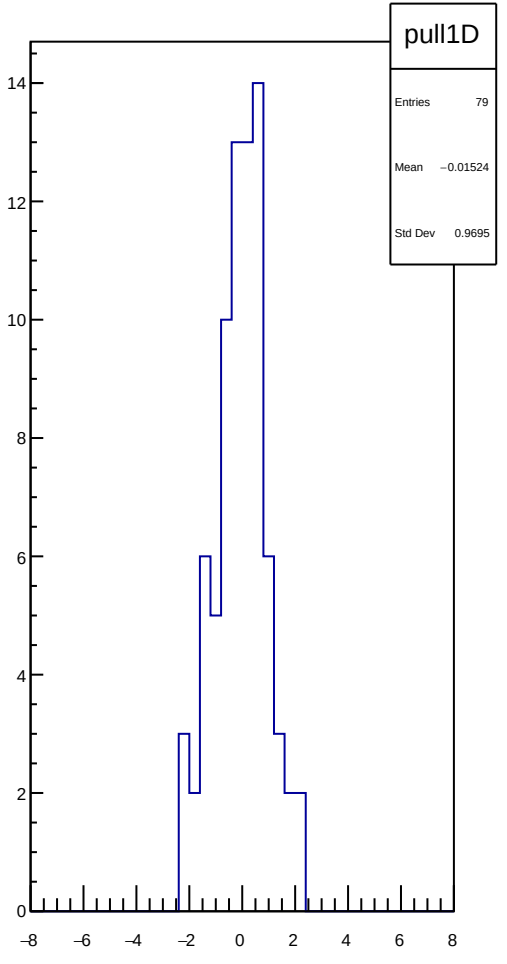

asym_us_dd_correction_rms vs run
χ² / ndf 1.131e+04 / 78
p0 1914 ± 1.534
2300
2200
2100
2000
1900
1800
1700
1600

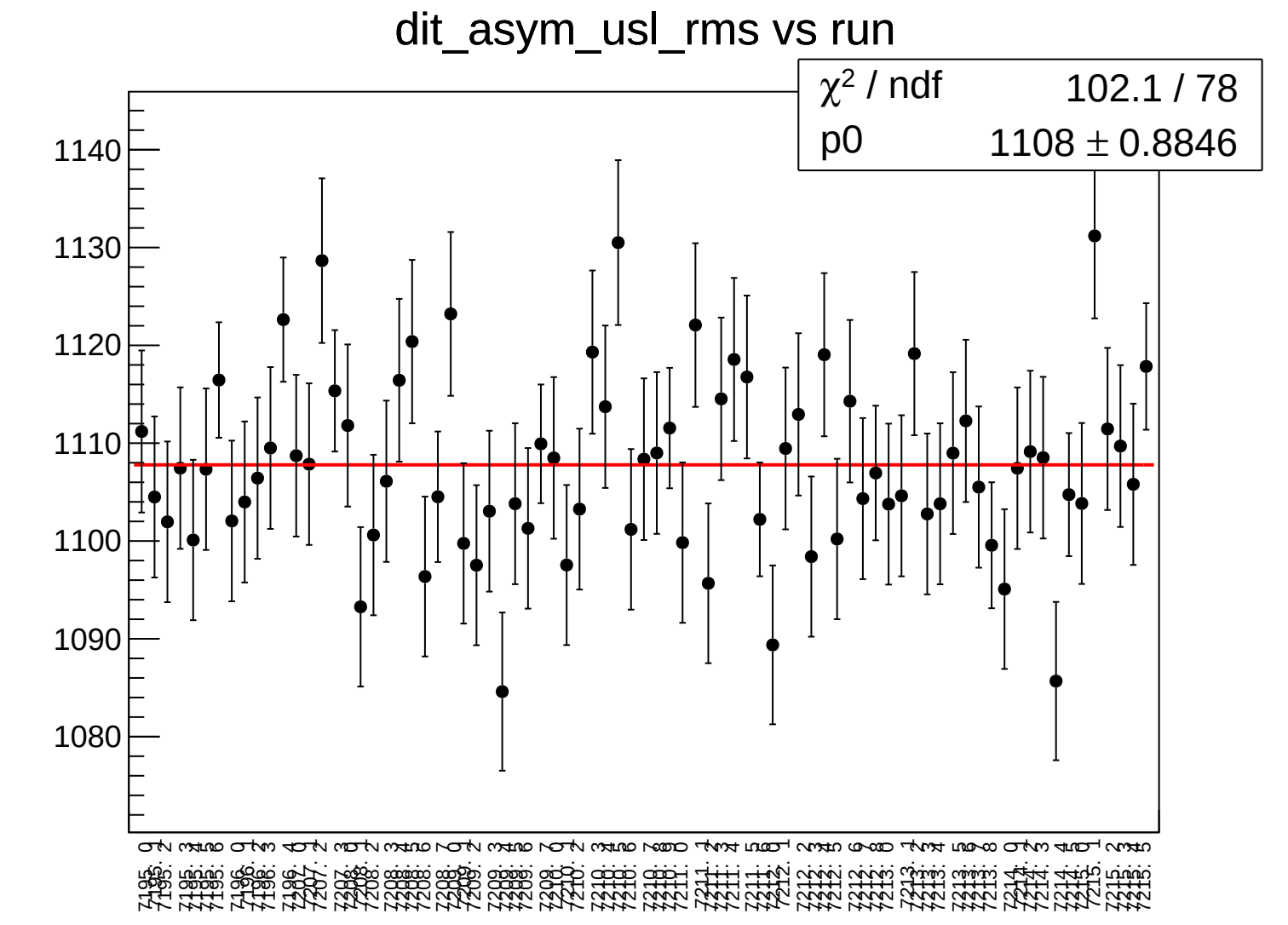

asym_us_dd_mean vs run
χ² / ndf 73.85 / 78
p0 −2404 ± 1044
pull
Entries 79
Mean 155.3
Std Dev 130.1

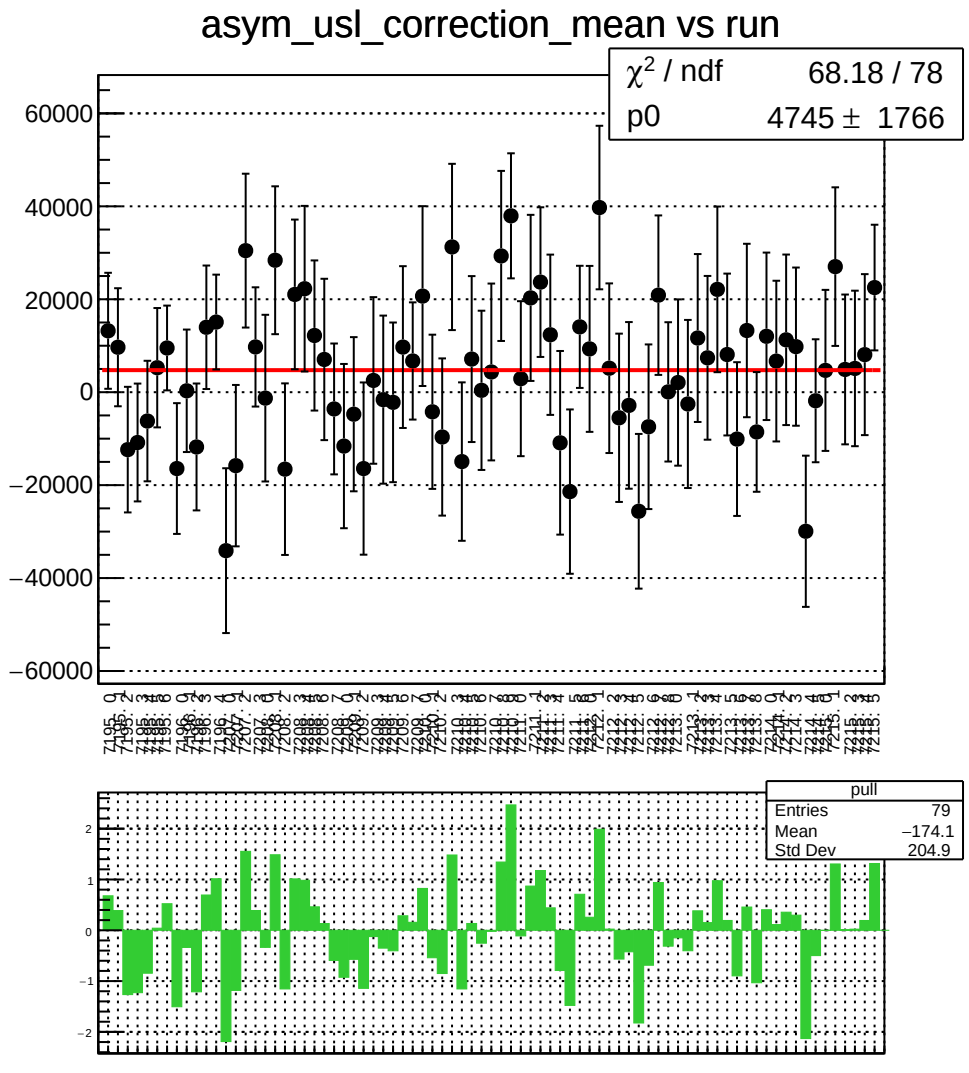

pull1D
Entries 79
Mean −0.01899
Std Dev 0.9667

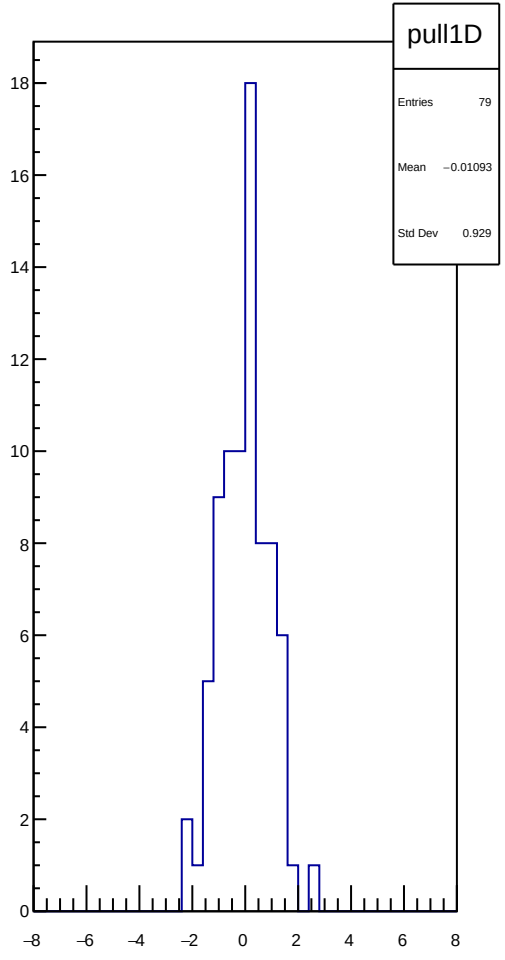

asym_us_dd_rms vs run
χ^2 / ndf 479.6 / 78
p0 924.4 ± 0.7382
980
960
940
920
900
880

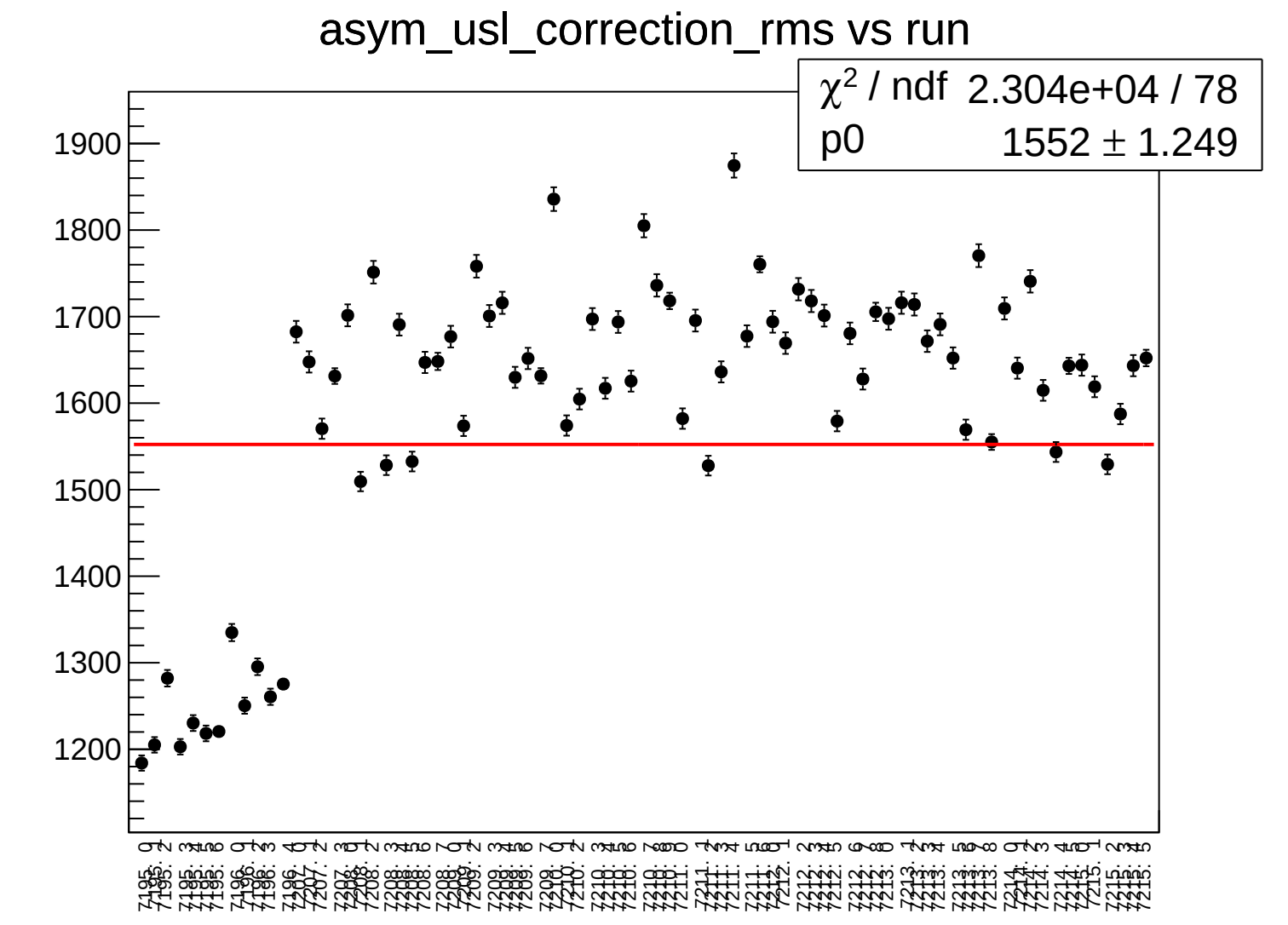

dit_asym_usl_mean vs run
χ² / ndf 74.28 / 78
p0 685.6 ± 1251
pull
Entries 79
Mean 75.59
Std Dev 86.29

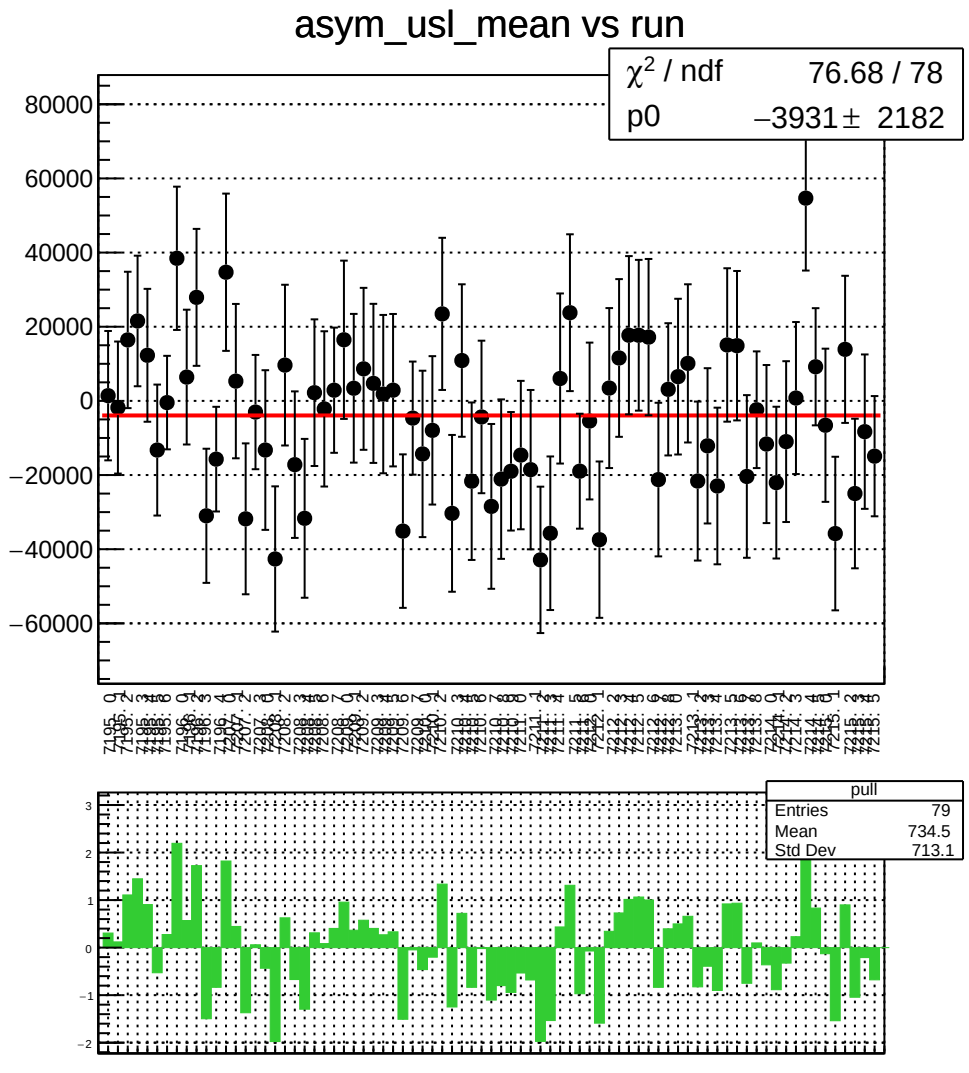

pull1D
Entries 79
Mean −0.01524
Std Dev 0.9695

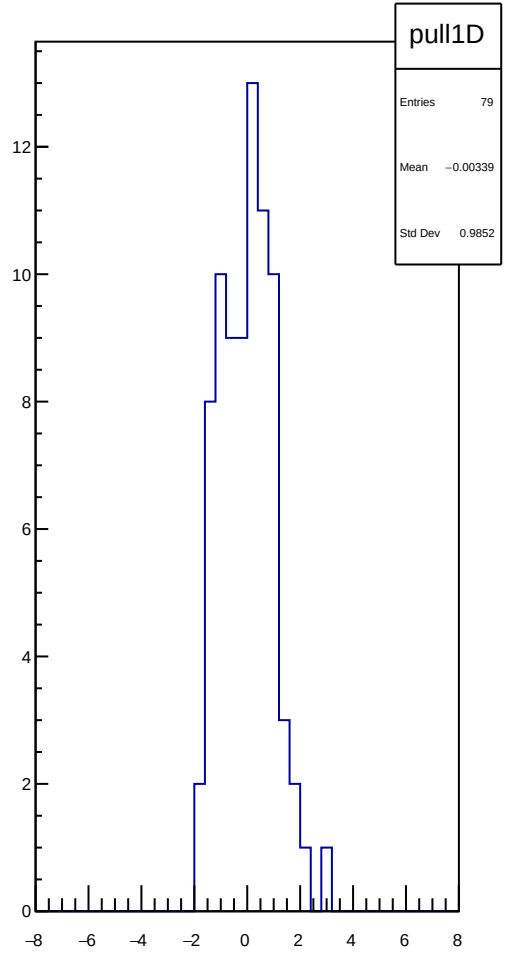

dit_asym_usl_rms vs run
χ² / ndf 102.1 / 78
p0 1108 ± 0.8846
1140
1130
1120
1110
1100
1090
1080

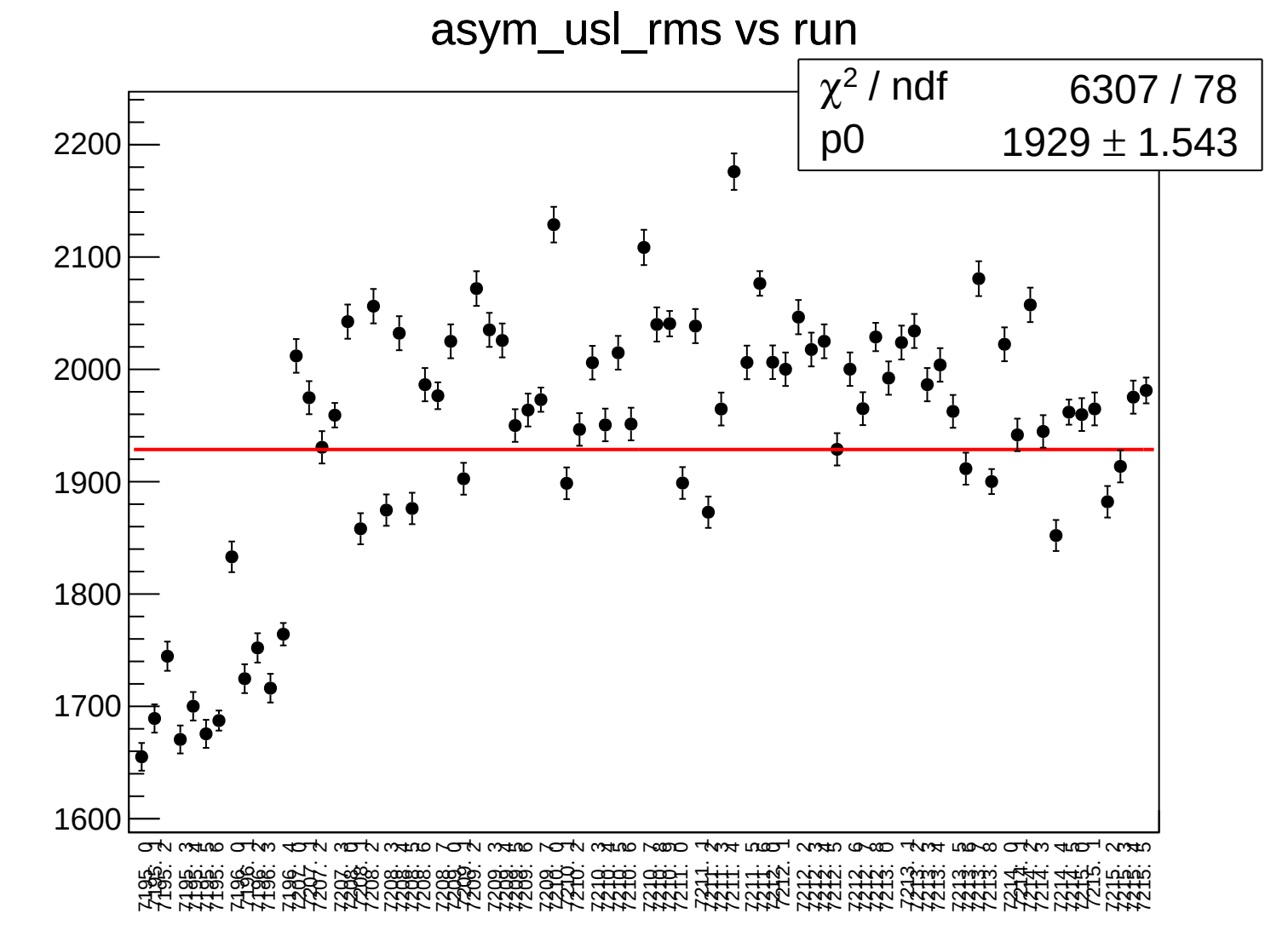

asym_usl_correction_mean vs run
χ² / ndf 68.18 / 78
p0 4745 ± 1766
pull
Entries 79
Mean −174.1
Std Dev 204.9

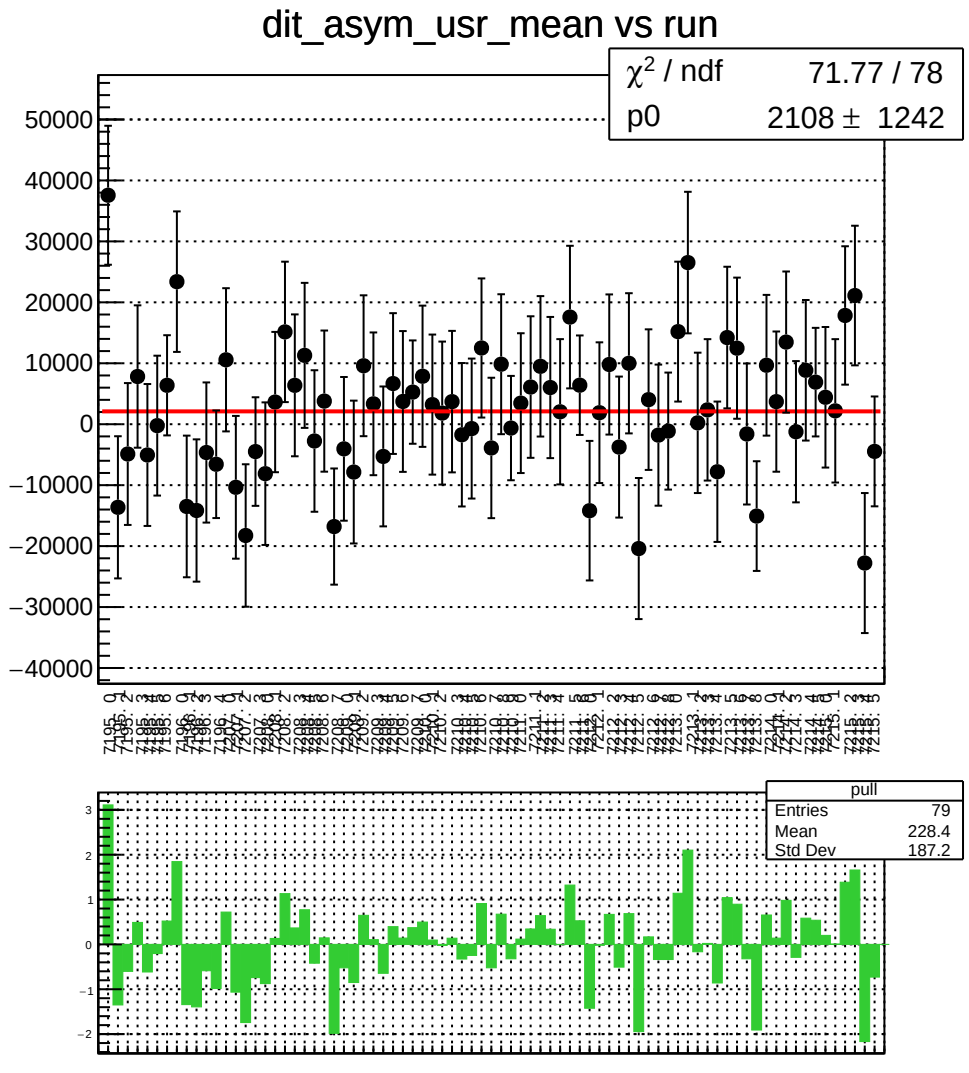

pull1D
Entries 79
Mean −0.01093
Std Dev 0.929

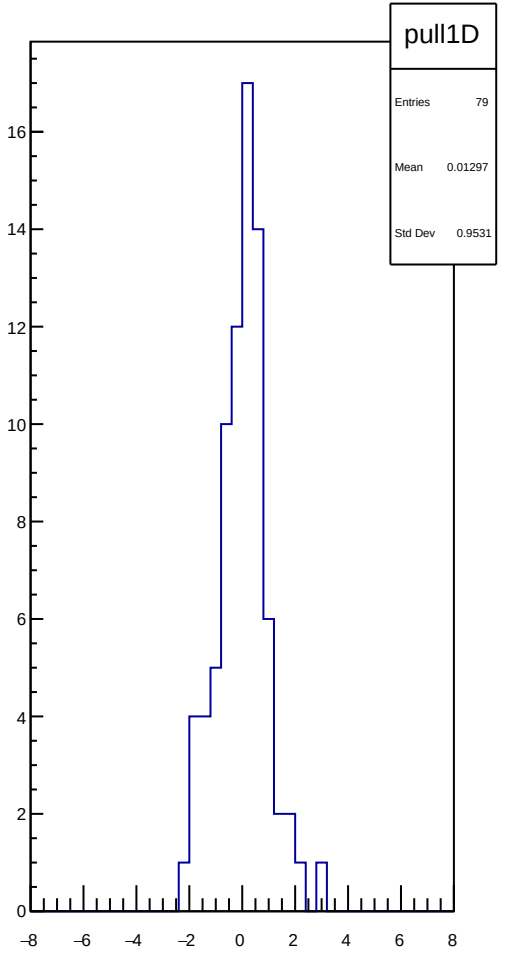

asym_usl_correction_rms vs run
χ² / ndf 2.304e+04 / 78
p0 1552 ± 1.249
1900
1800
1700
1600
1500
1400
1300
1200

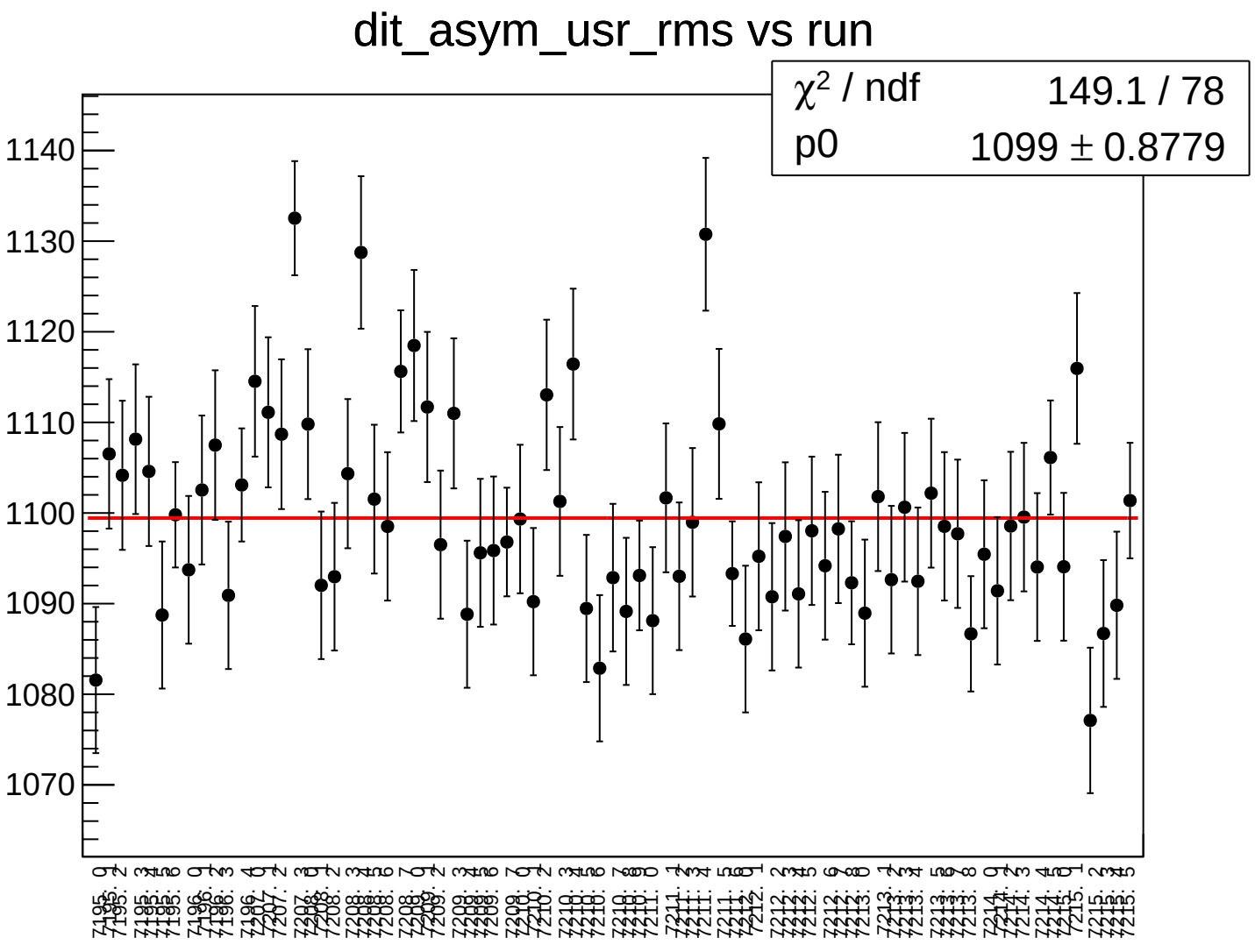

asym_usl_mean vs run
χ² / ndf 76.68 / 78
p0 −3931 ± 2182
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 79
Mean 734.5
Std Dev 713.1
3
2
1
0
−1
−2

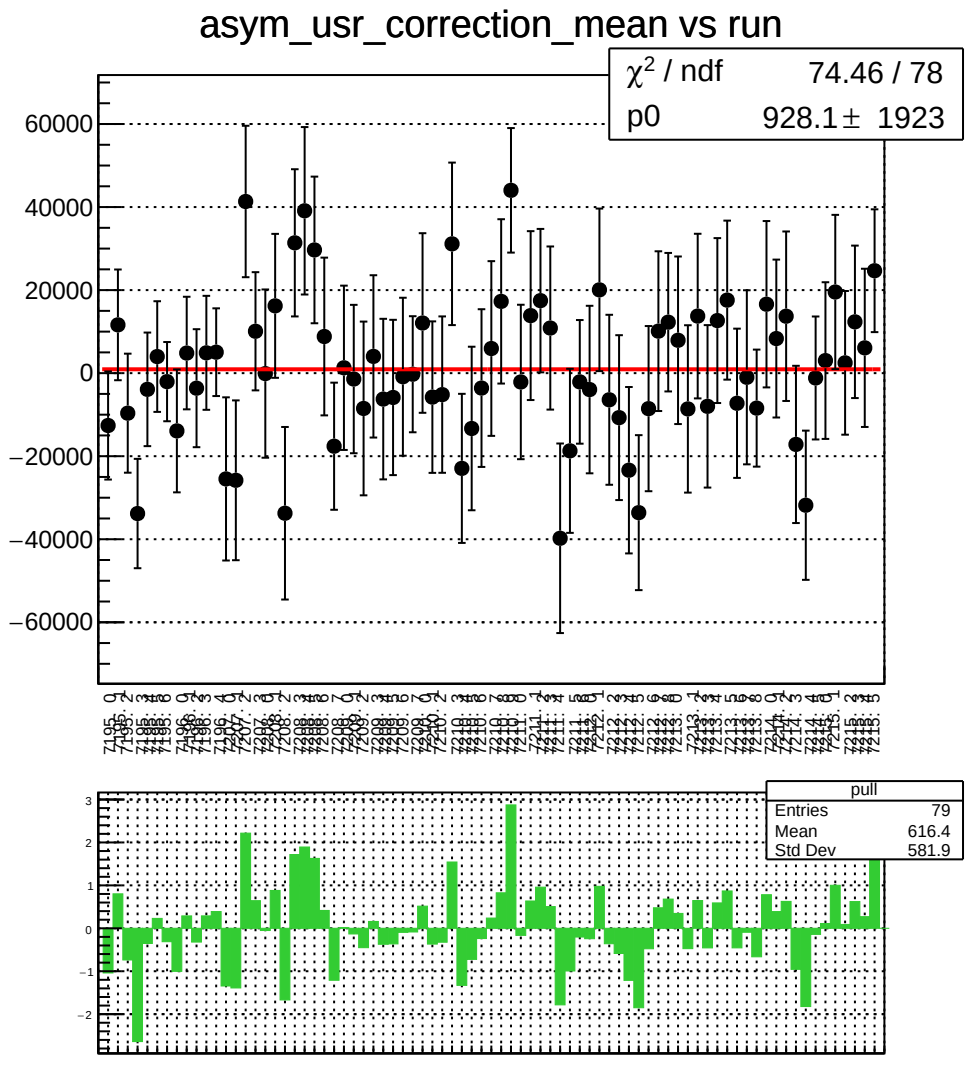

pull1D
Entries 79
Mean −0.00339
Std Dev 0.9852
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

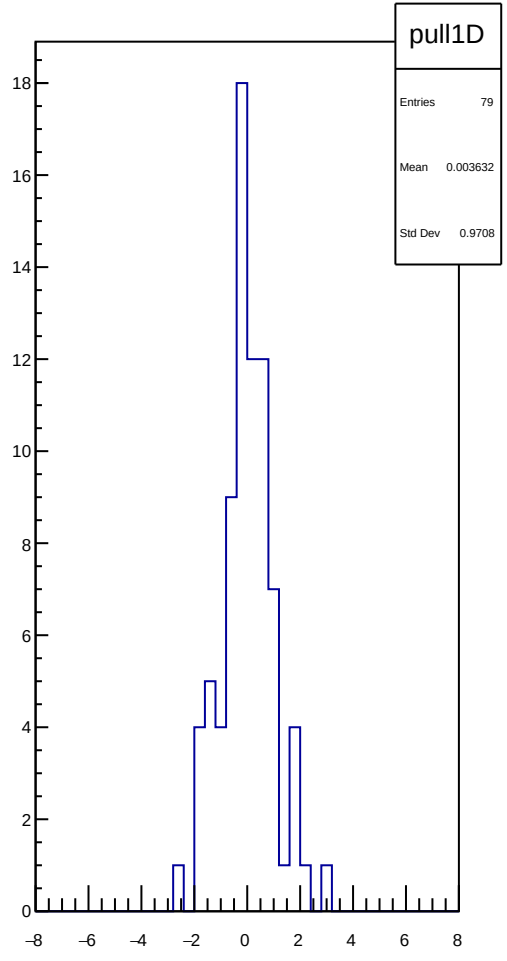

asym_usl_rms vs run
χ^2 / ndf 6307 / 78
p0 1929 ± 1.543
2200
2100
2000
1900
1800
1700
1600

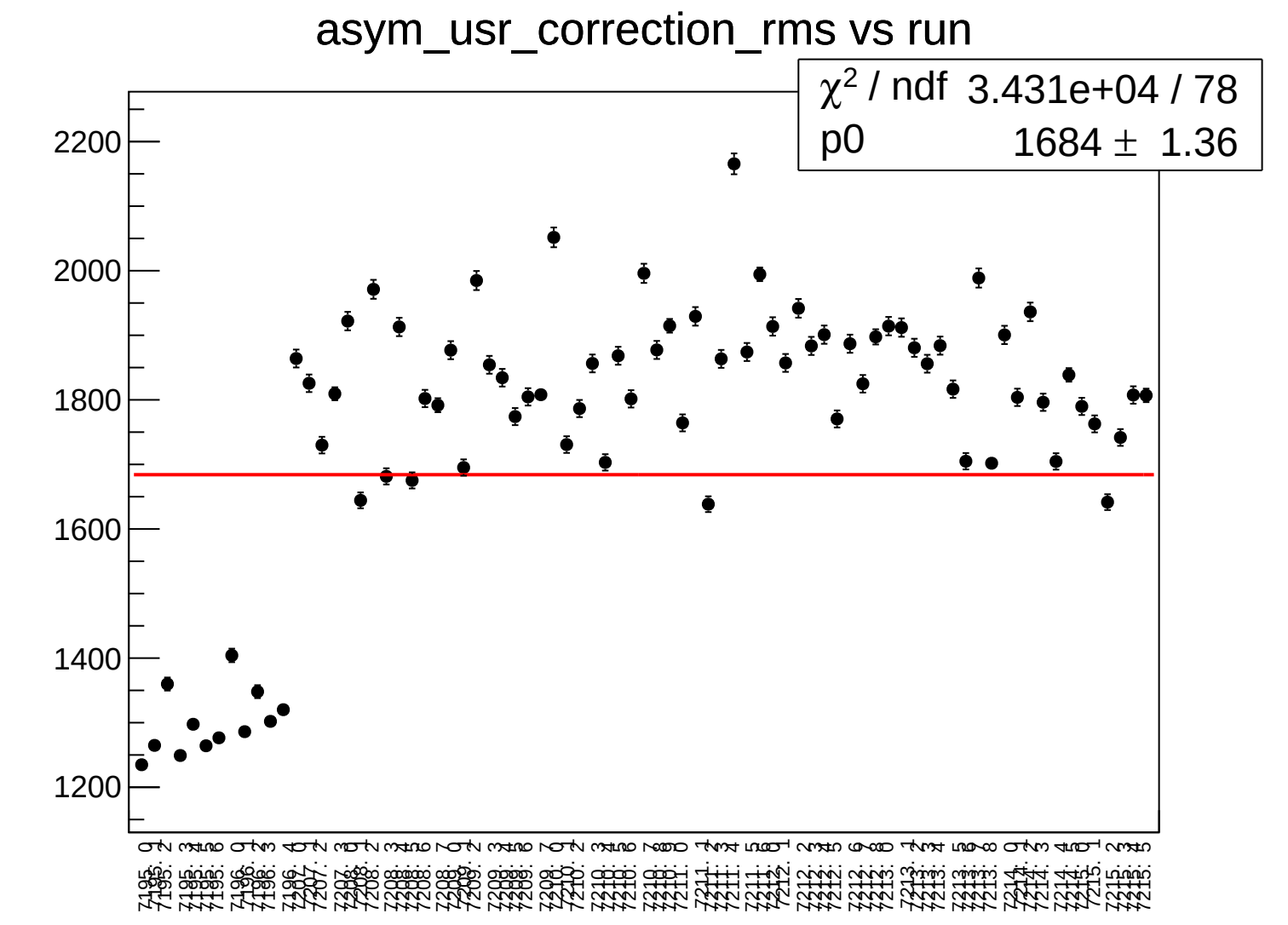

dit_asym_usr_mean vs run
χ² / ndf 71.77 / 78
p0 2108 ± 1242
pull
Entries 79
Mean 228.4
Std Dev 187.2

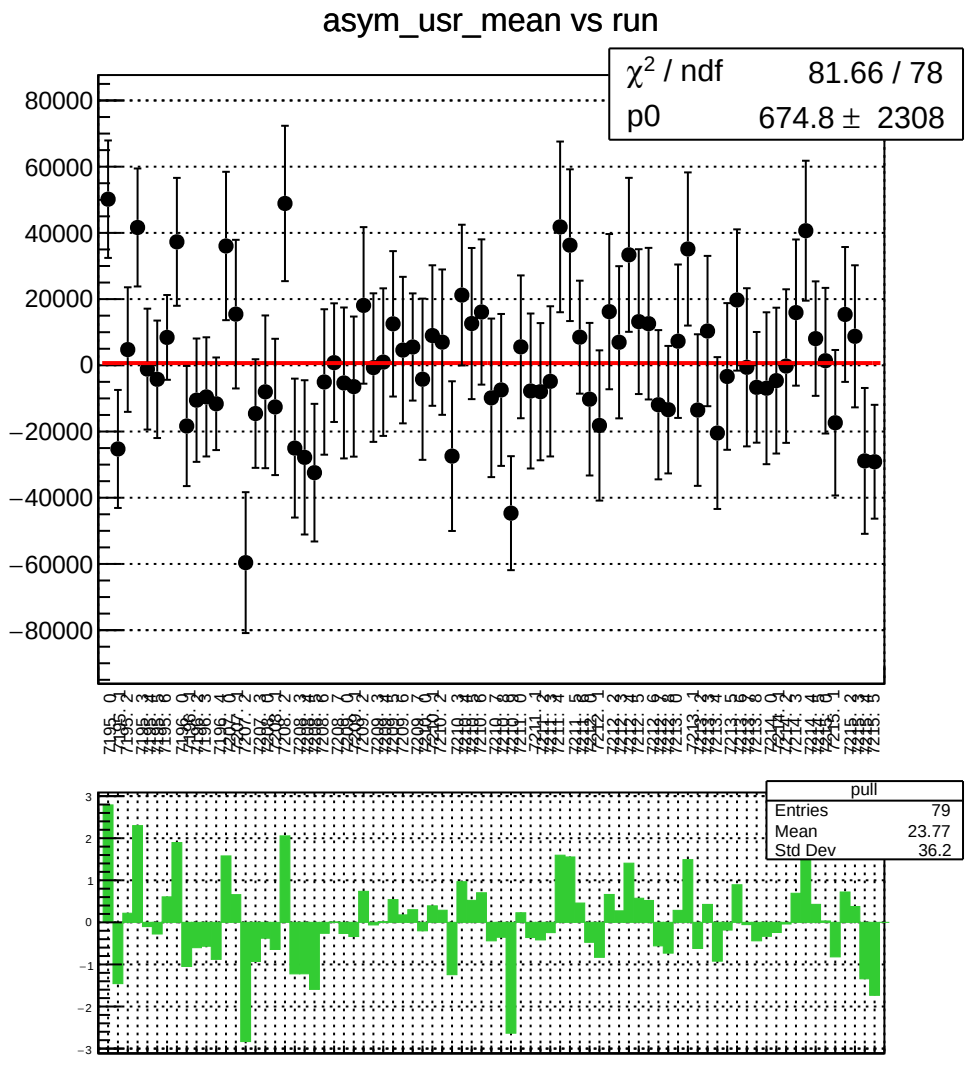

pull1D
Entries 79
Mean 0.01297
Std Dev 0.9531

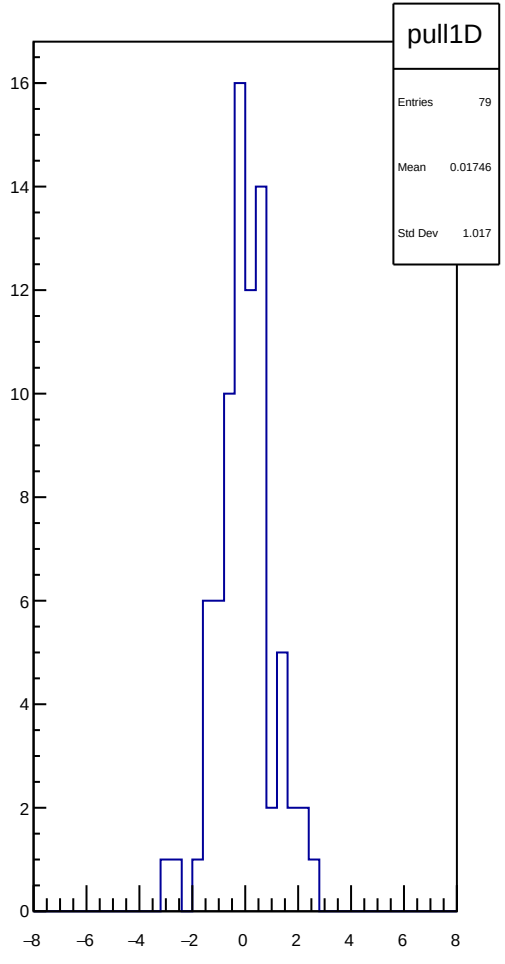

dit_asym_usr_rms vs run
χ² / ndf 149.1 / 78
p0 1099 ± 0.8779
1140
1130
1120
1110
1100
1090
1080
1070

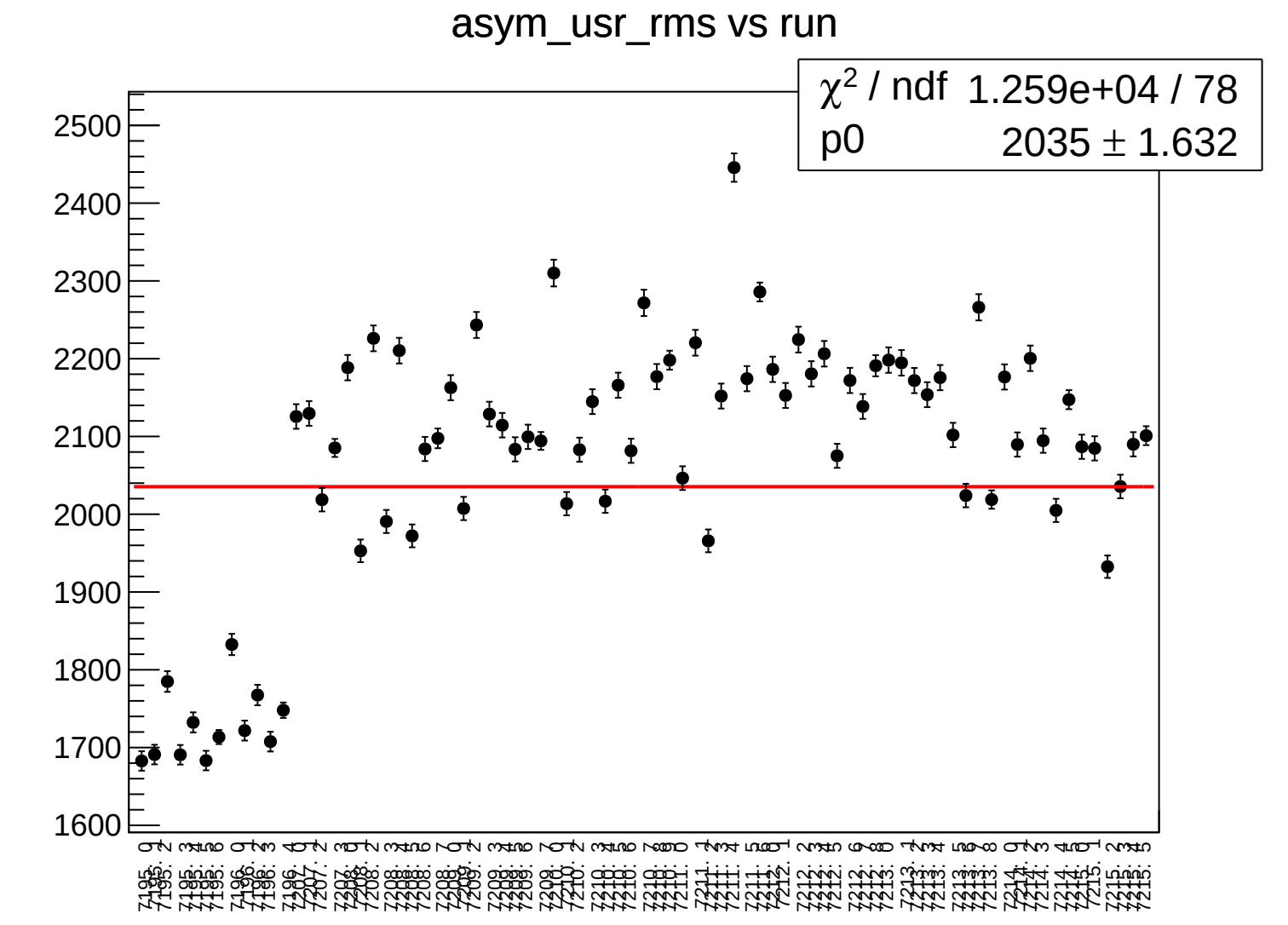

asym_usr_correction_mean vs run
χ² / ndf 74.46 / 78
p0 928.1 ± 1923
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 79
Mean 616.4
Std Dev 581.9
3
2
1
0
−1
−2

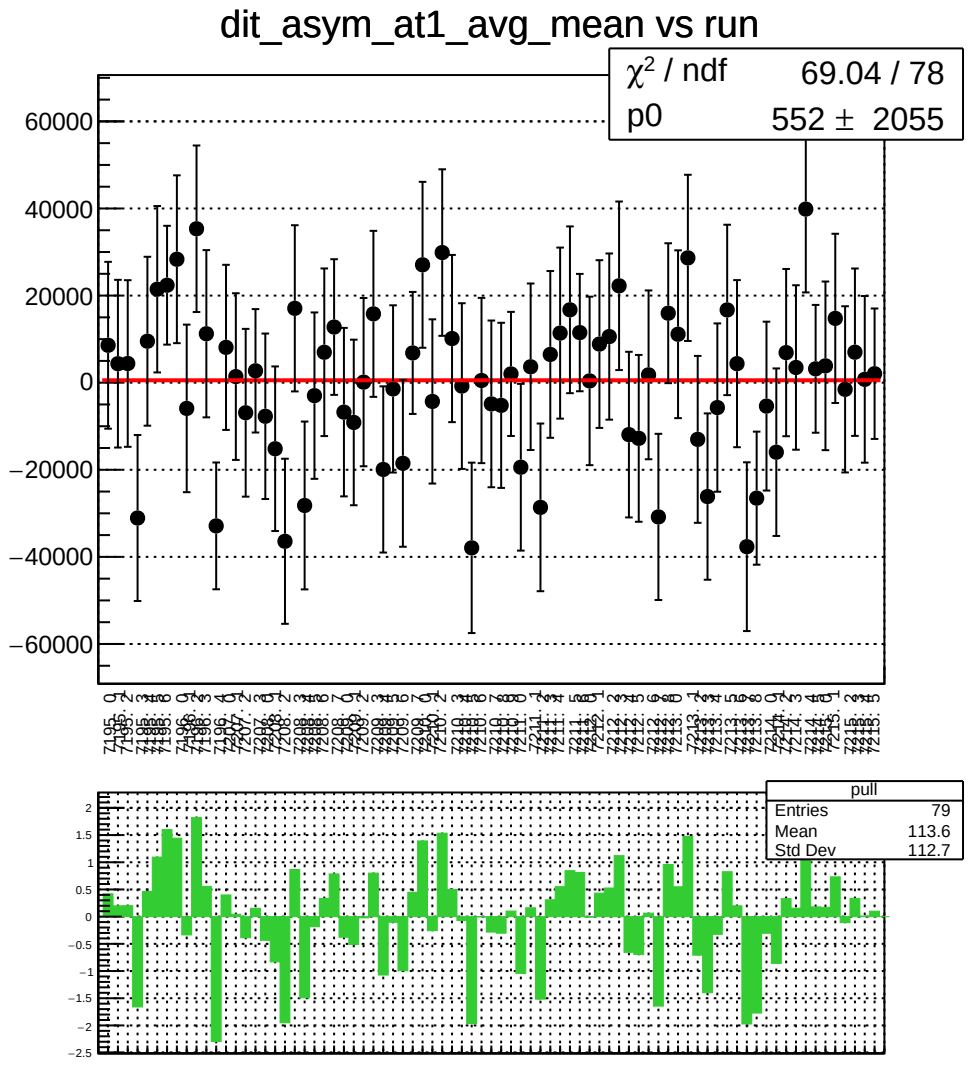

pull1D
Entries 79
Mean 0.003632
Std Dev 0.9708
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

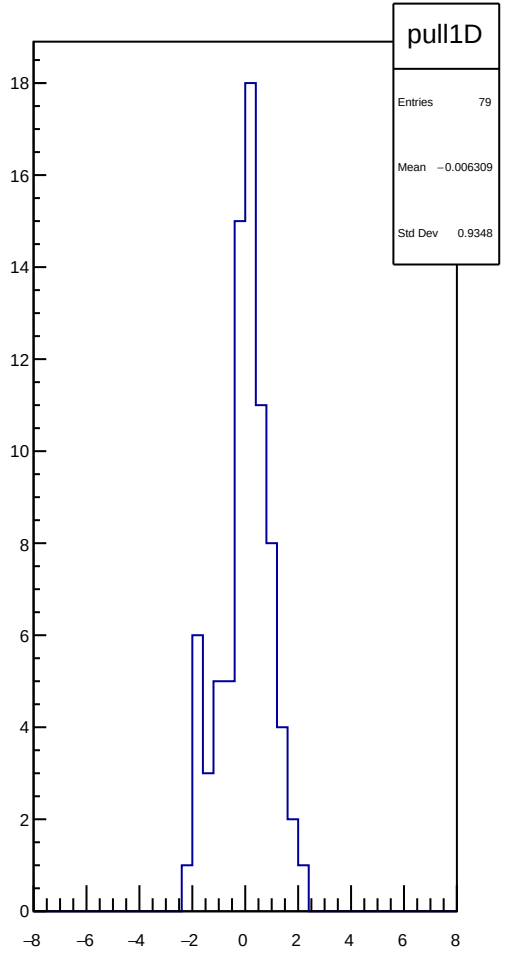

asym_usr_correction_rms vs run
χ² / ndf 3.431e+04 / 78
p0 1684 ± 1.36
2200
2000
1800
1600
1400
1200

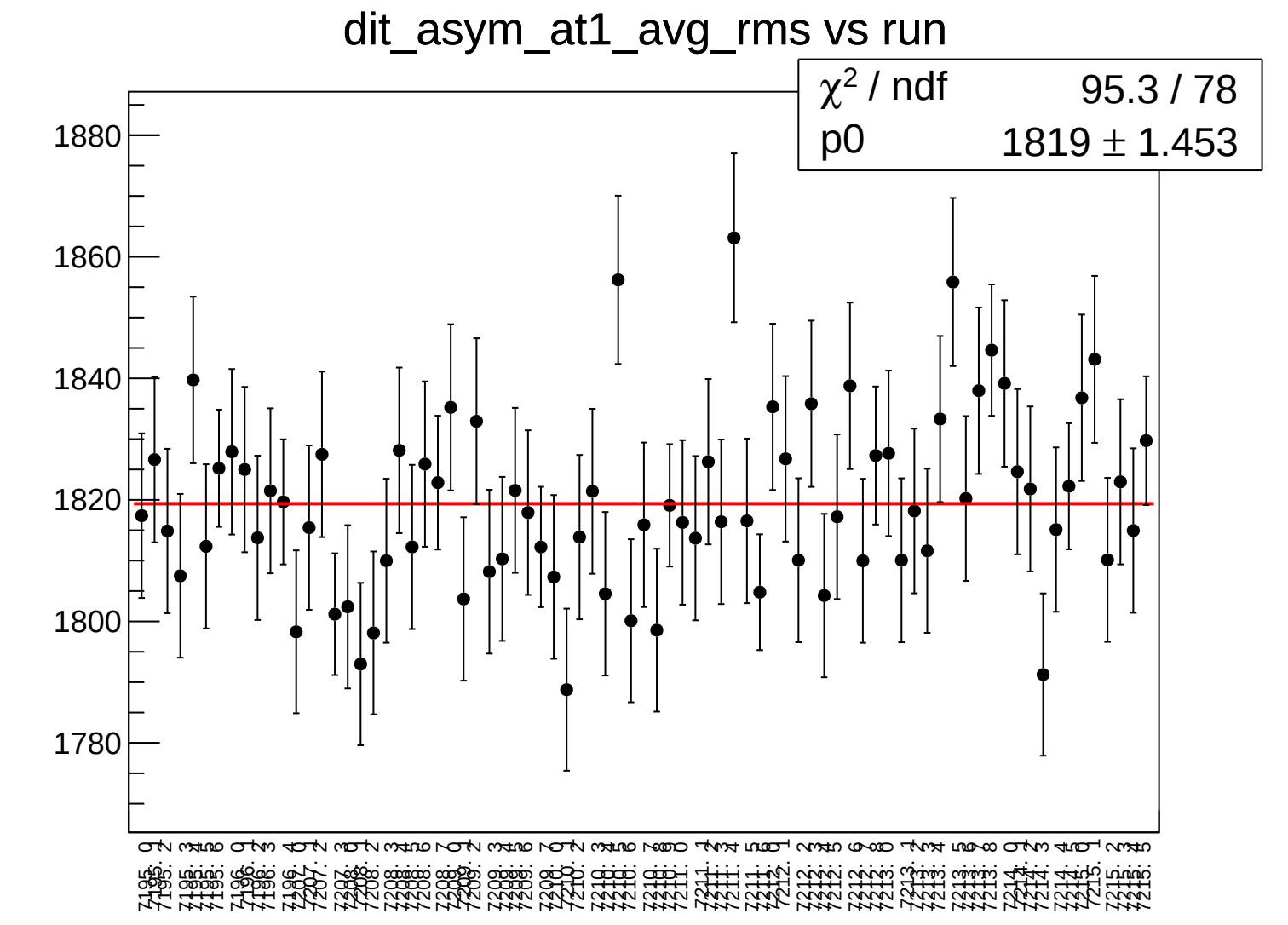

asym_usr_mean vs run
χ² / ndf 81.66 / 78
p0 674.8 ± 2308
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 79
Mean 23.77
Std Dev 36.2
3
2
1
0
−1
−2
−3

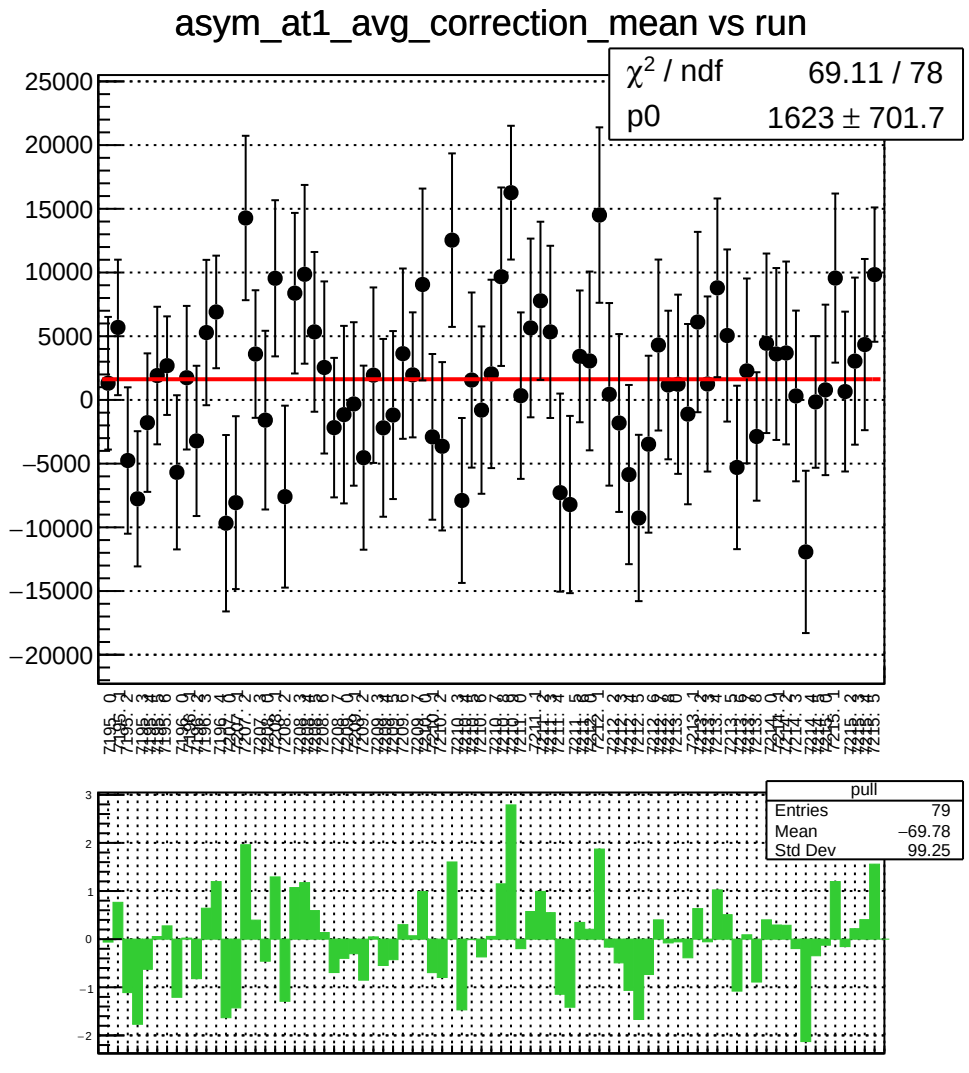

pull1D
Entries 79
Mean 0.01746
Std Dev 1.017
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

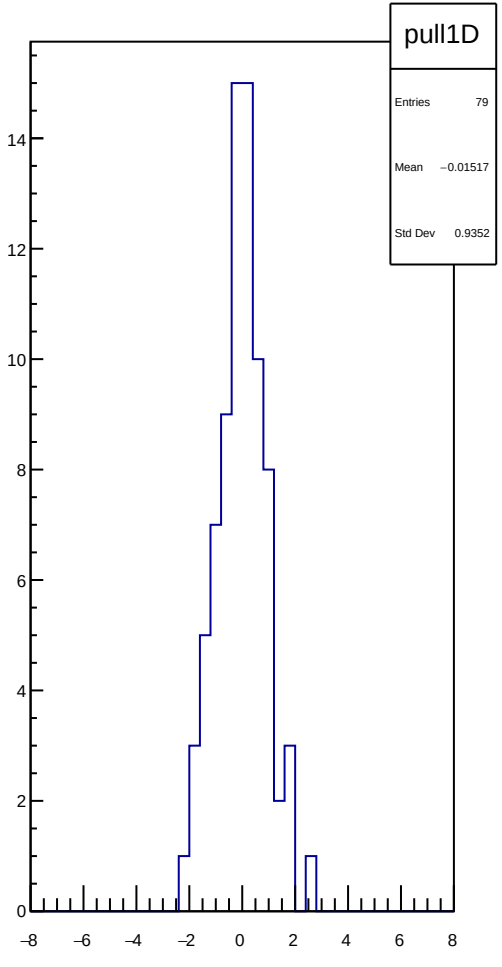

asym_usr_rms vs run
χ² / ndf 1.259e+04 / 78
p0 2035 ± 1.632
2500
2400
2300
2200
2100
2000
1900
1800
1700
1600

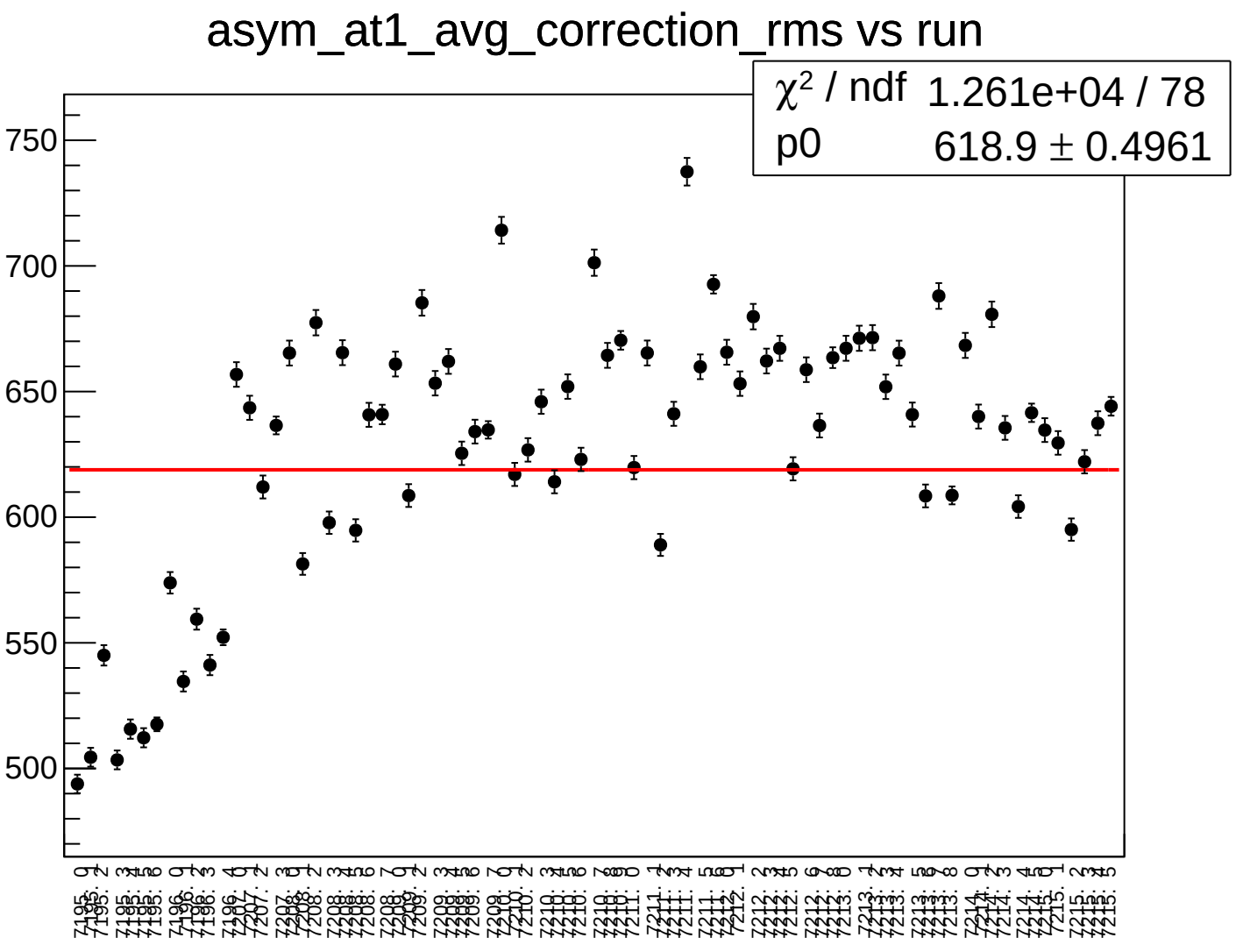

dit_asym_at1_avg_mean vs run
χ² / ndf 69.04 / 78
p0 552 ± 2055
pull
Entries 79
Mean 113.6
Std Dev 112.7

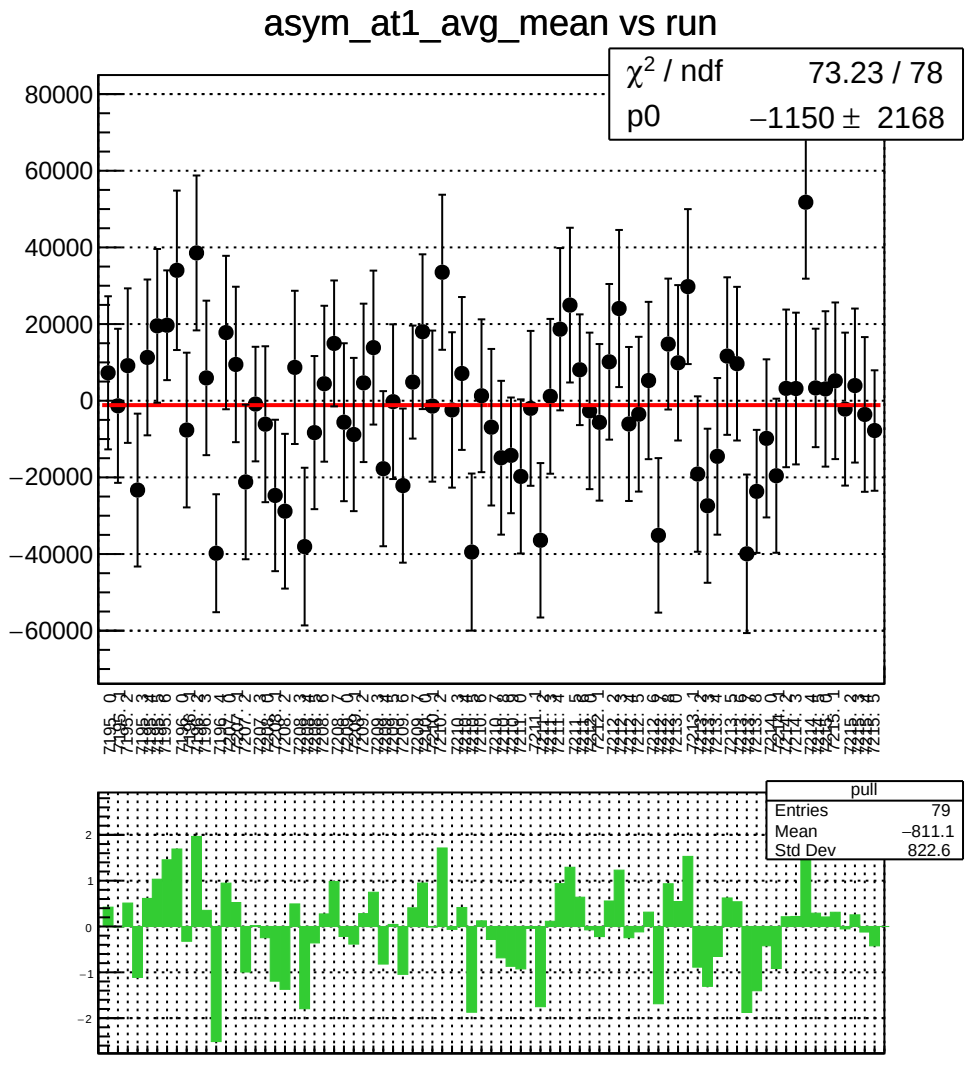

pull1D
Entries 79
Mean −0.006309
Std Dev 0.9348

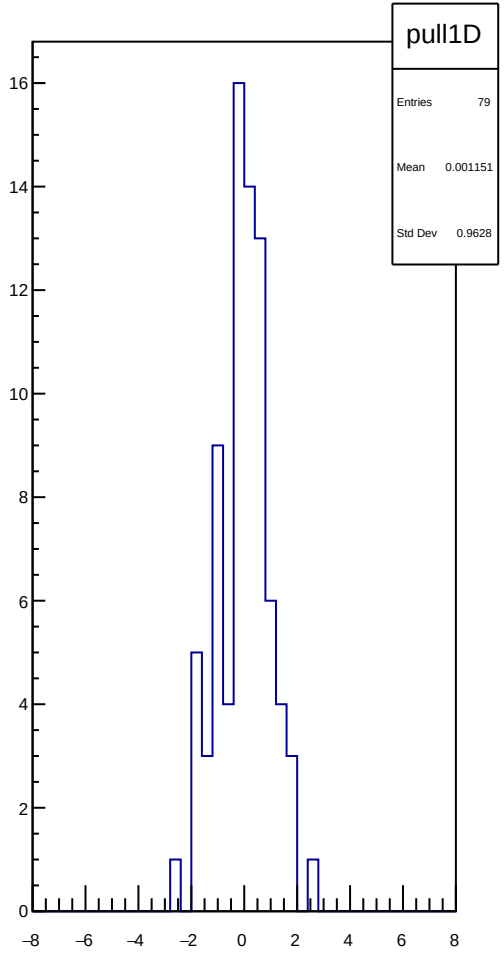

dit_asym_at1_avg_rms vs run
χ² / ndf 95.3 / 78
p0 1819 ± 1.453
1880
1860
1840
1820
1800
1780

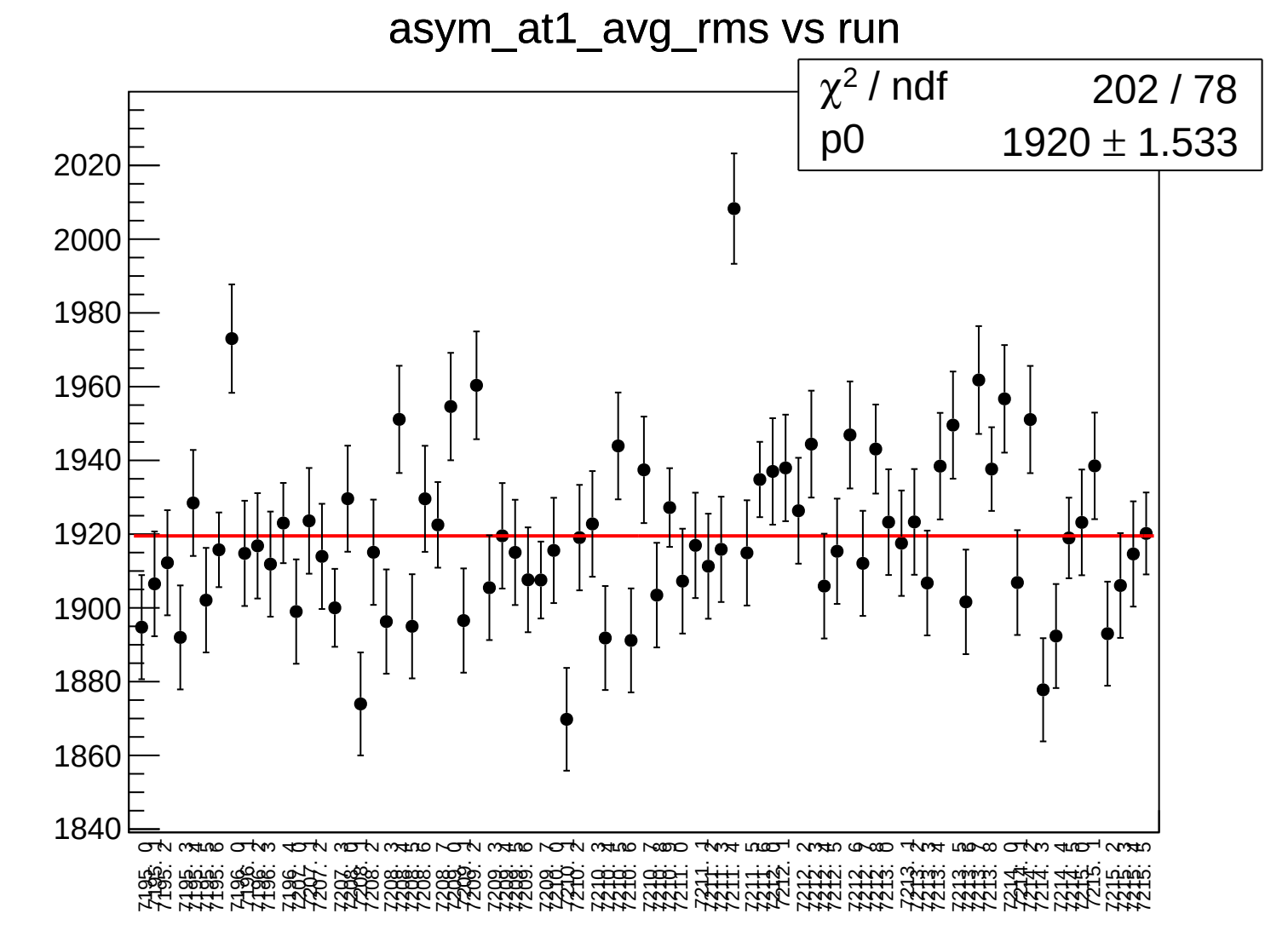

asym_at1_avg_correction_mean vs run
χ² / ndf 69.11 / 78
p0 1623 ± 701.7
pull
Entries 79
Mean −69.78
Std Dev 99.25

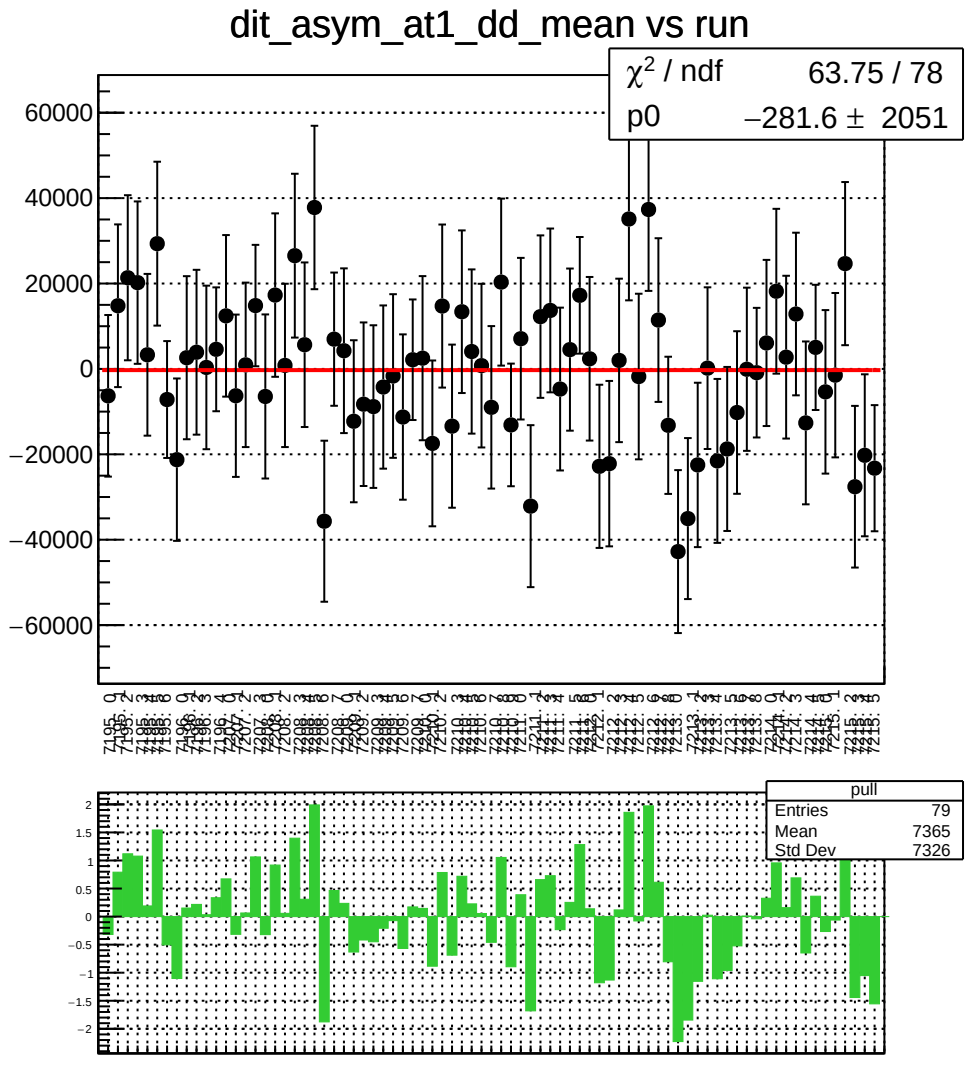

pull1D
Entries 79
Mean −0.01517
Std Dev 0.9352

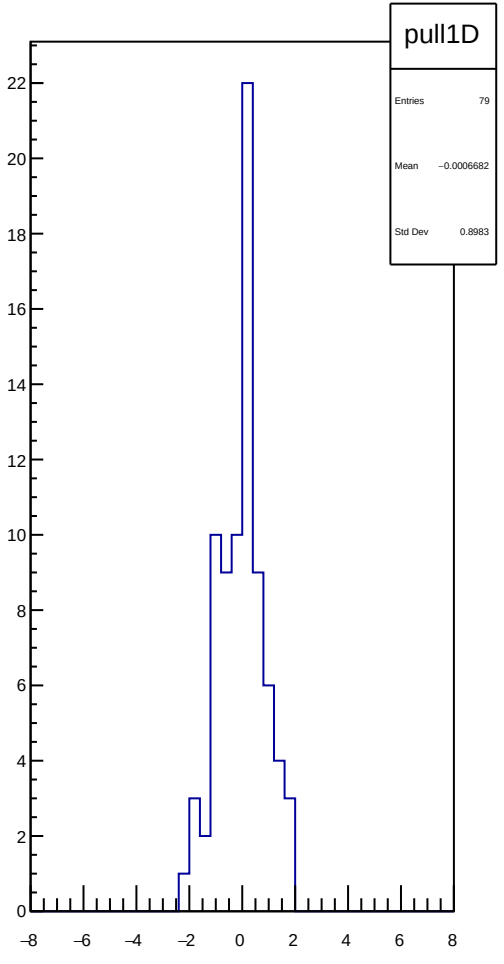

asym_at1_avg_correction_rms vs run
χ² / ndf 1.261e+04 / 78
p0 618.9 ± 0.4961
750
700
650
600
550
500

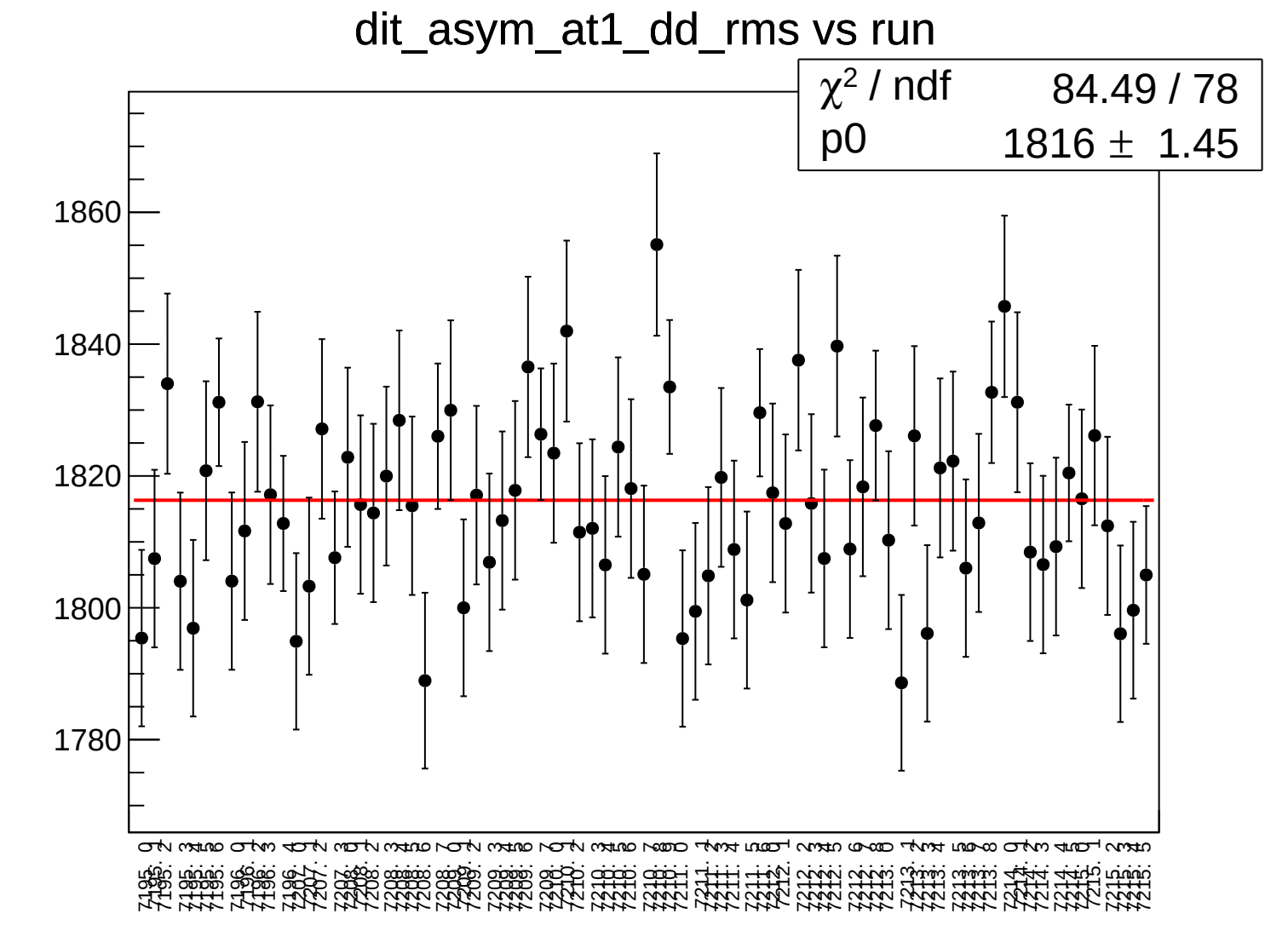

asym_at1_avg_mean vs run
χ² / ndf 73.23 / 78
p0 −1150 ± 2168
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 79
Mean −811.1
Std Dev 822.6
2
1
0
−1
−2

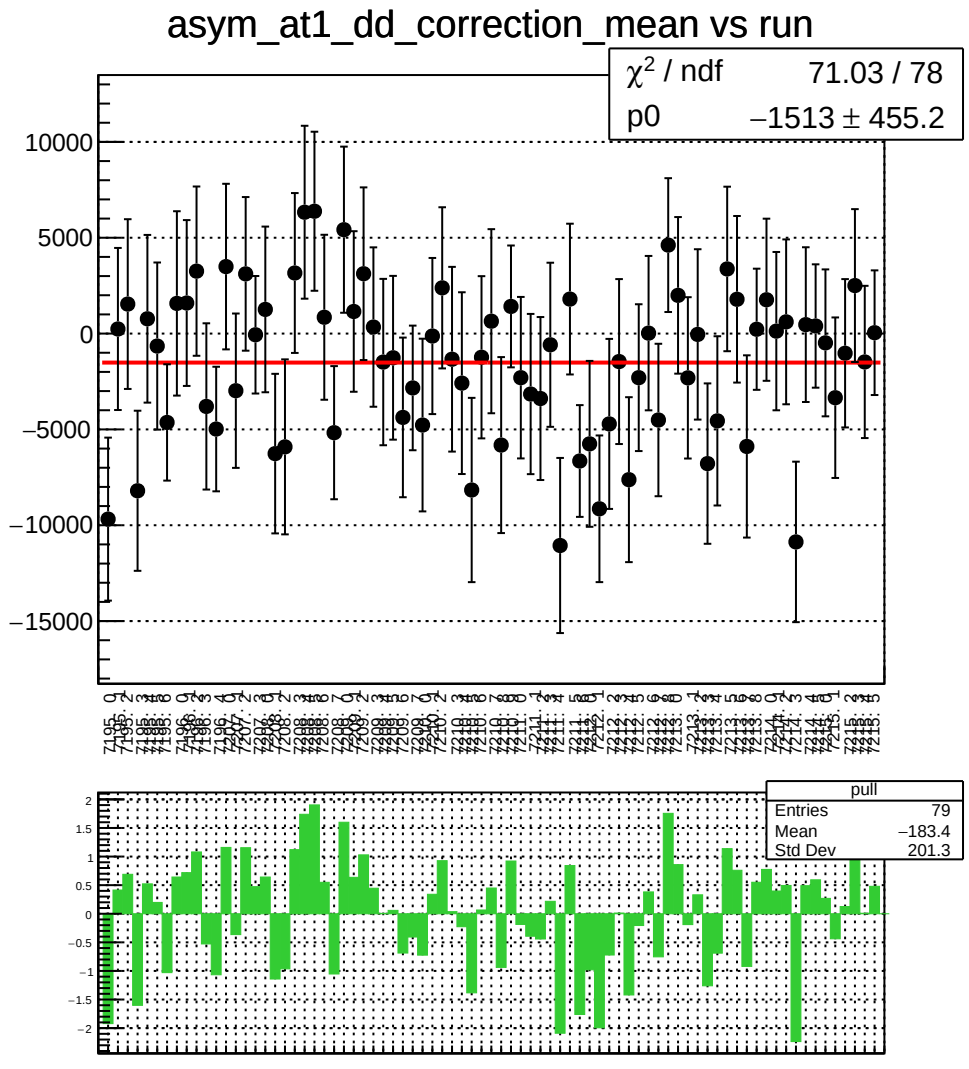

pull1D
Entries 79
Mean 0.001151
Std Dev 0.9628
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

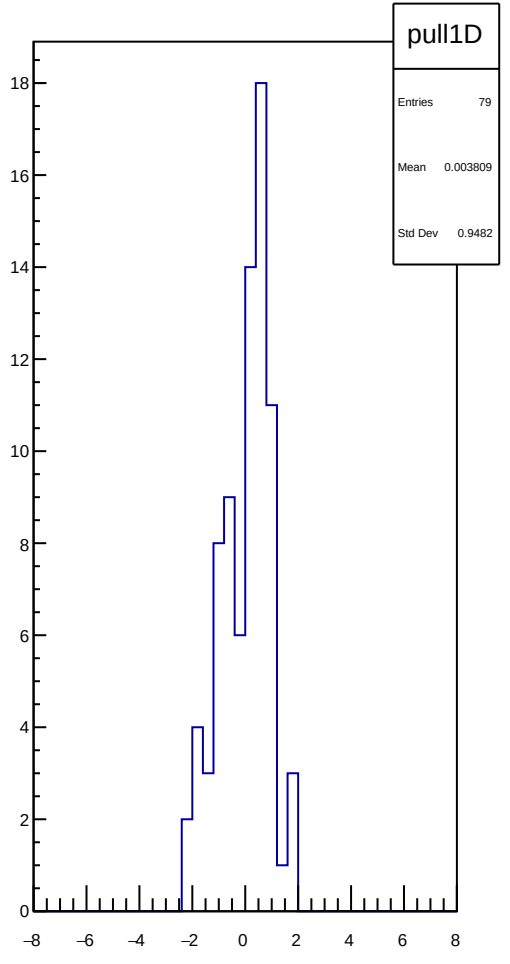

asym_at1_avg_rms vs run
χ² / ndf 202 / 78
p0 1920 ± 1.533
2020
2000
1980
1960
1940
1920
1900
1880
1860
1840

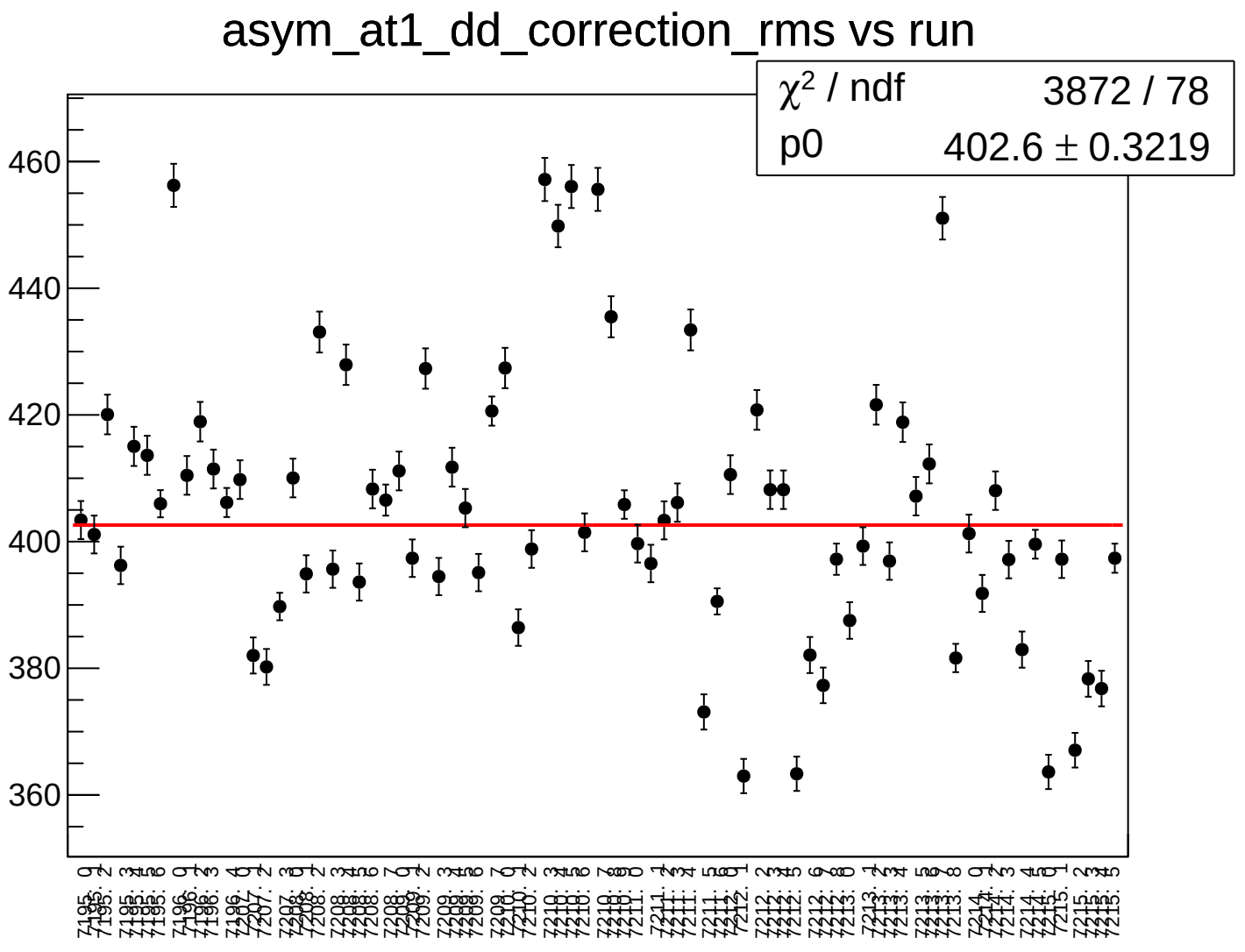

dit_asym_at1_dd_mean vs run
χ² / ndf 63.75 / 78
p0 −281.6 ± 2051
pull
Entries 79
Mean 7365
Std Dev 7326

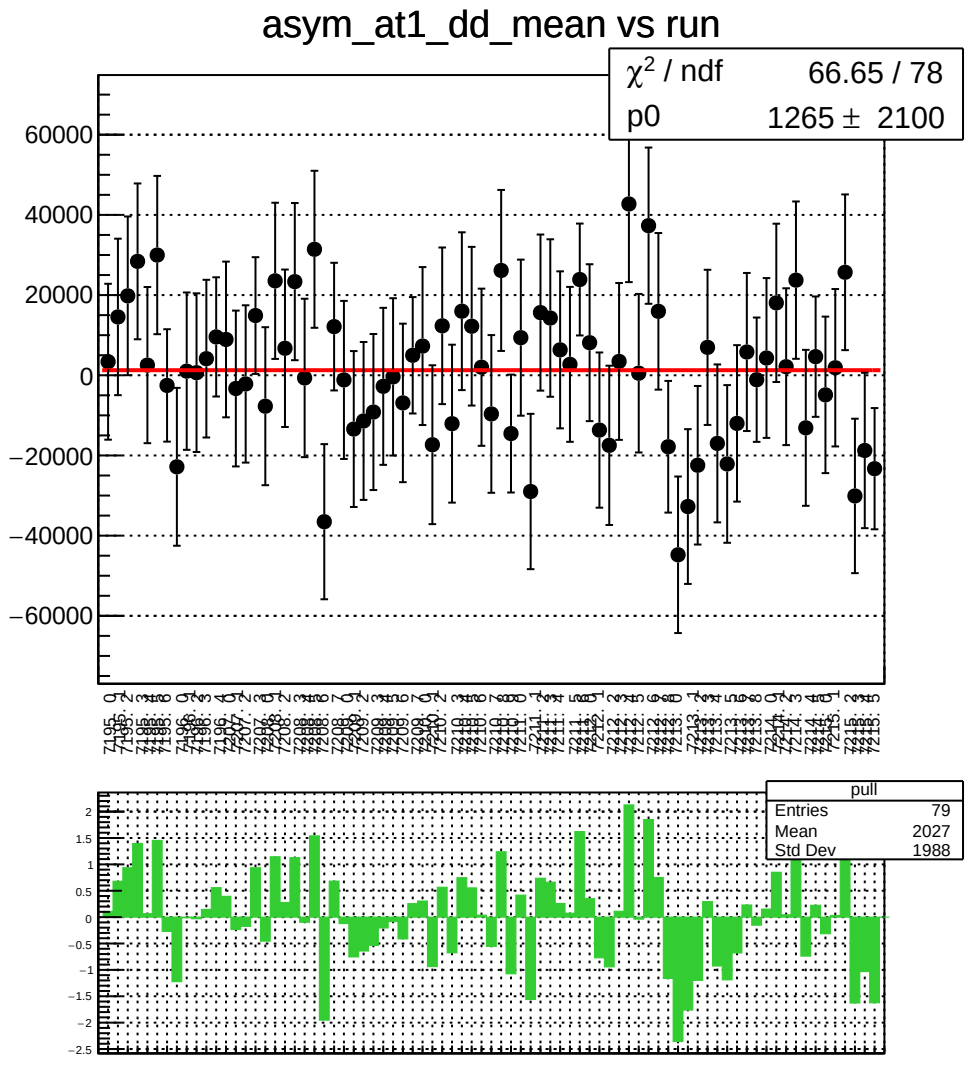

pull1D
Entries 79
Mean −0.0006682
Std Dev 0.8983

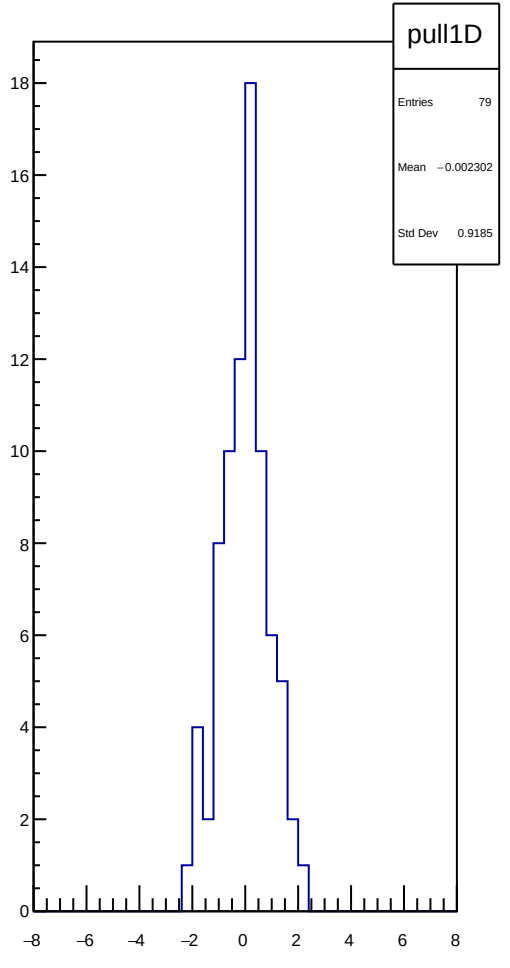

dit_asym_at1_dd_rms vs run
χ² / ndf 84.49 / 78
p0 1816 ± 1.45
1860
1840
1820
1800
1780

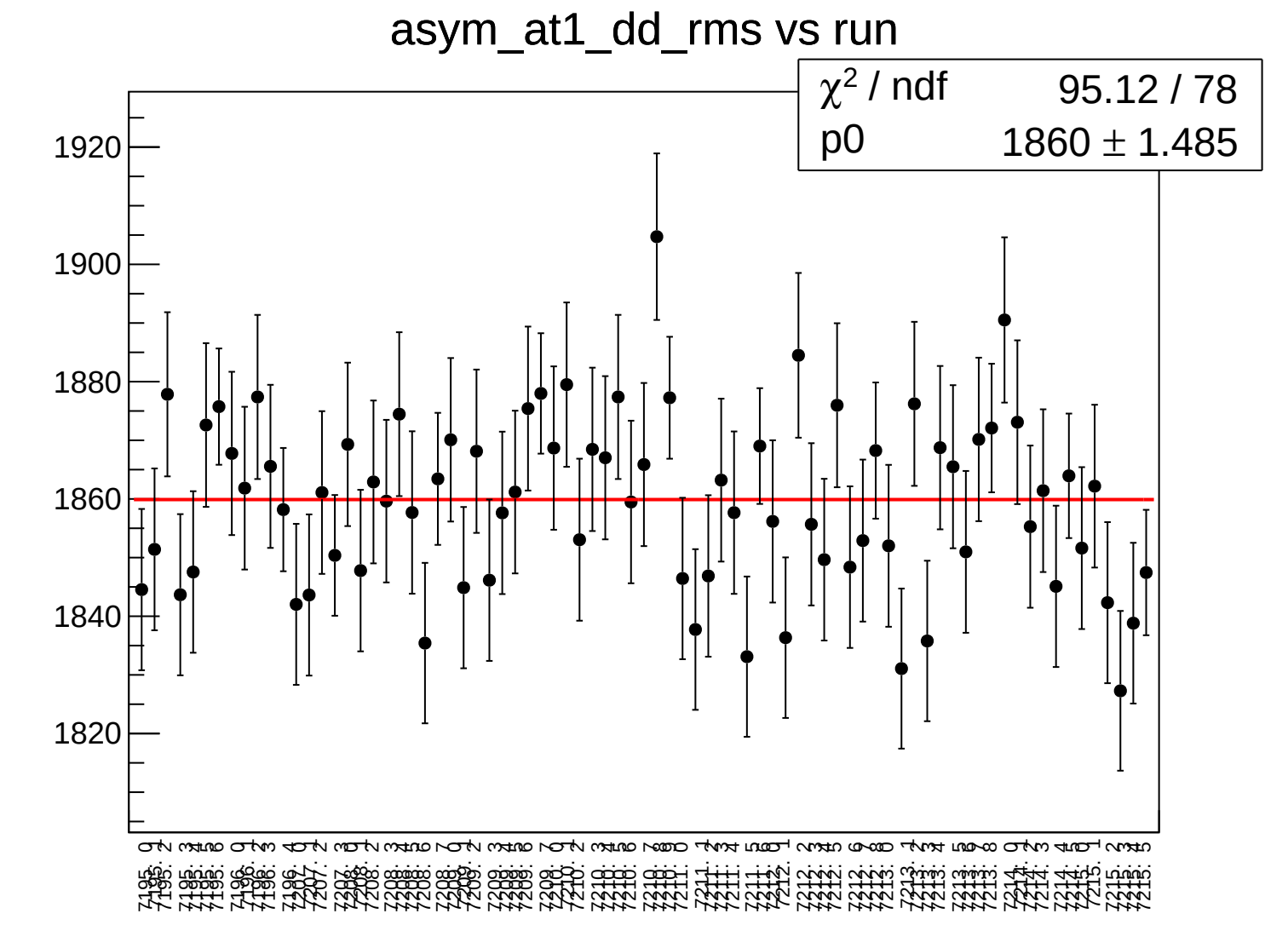

asym_at1_dd_correction_mean vs run
χ² / ndf 71.03 / 78
p0 −1513 ± 455.2
10000
5000
0
−5000
−10000
−15000
pull
Entries 79
Mean −183.4
Std Dev 201.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

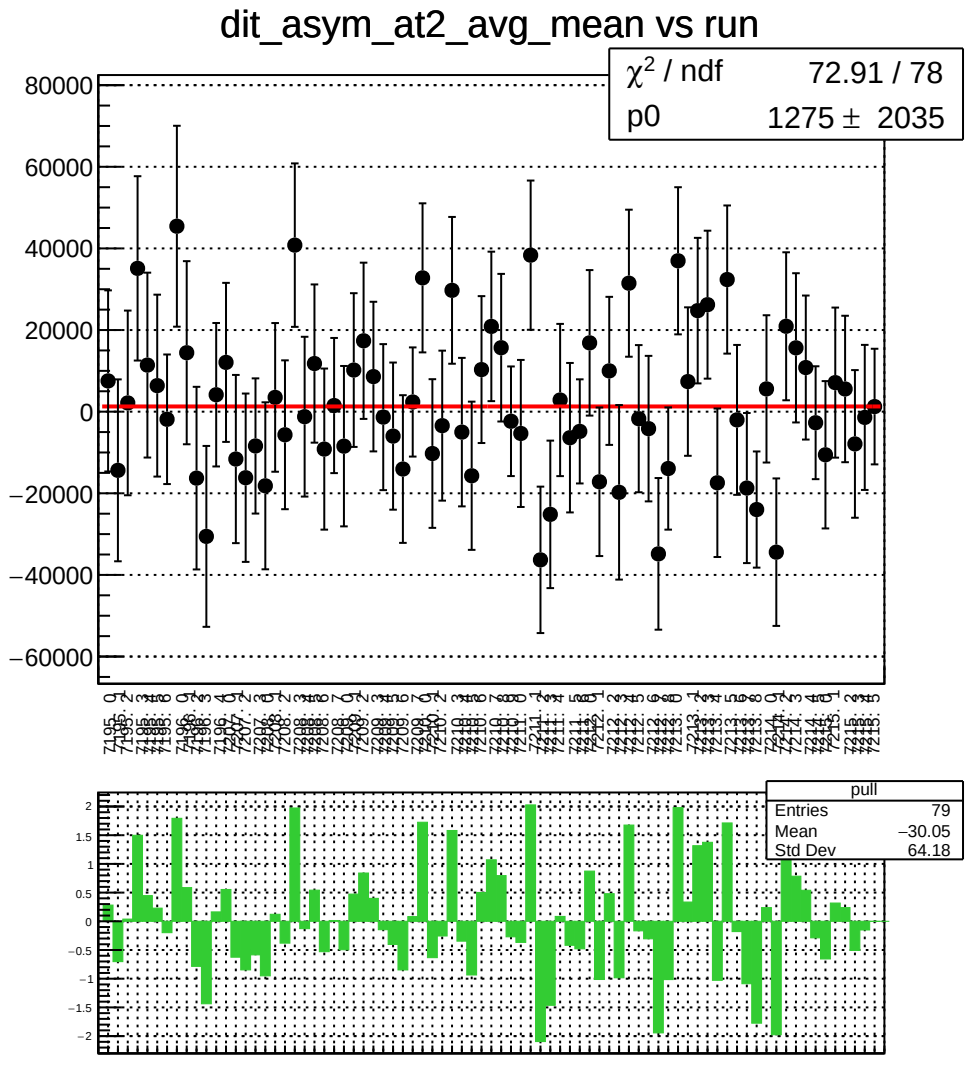

pull1D
Entries 79
Mean 0.003809
Std Dev 0.9482
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

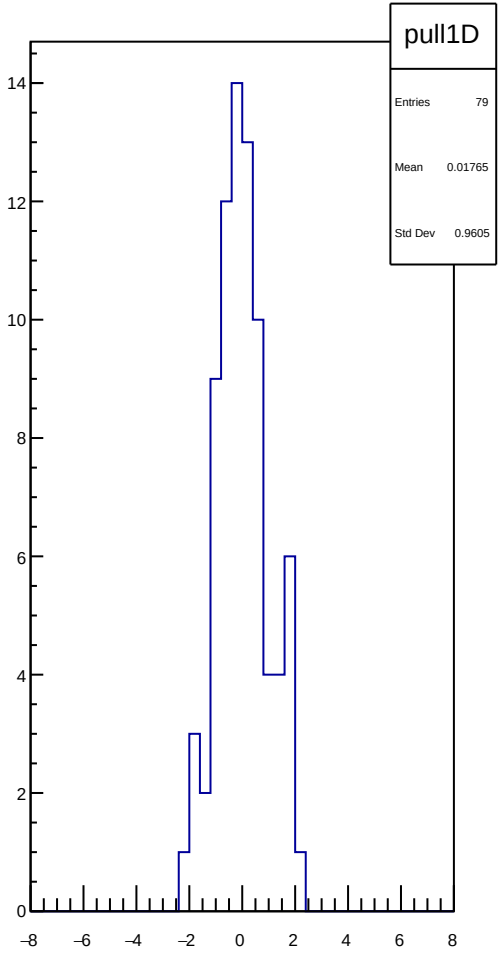

asym_at1_dd_correction_rms vs run
χ² / ndf 3872 / 78
p0 402.6 ± 0.3219
460
440
420
400
380
360

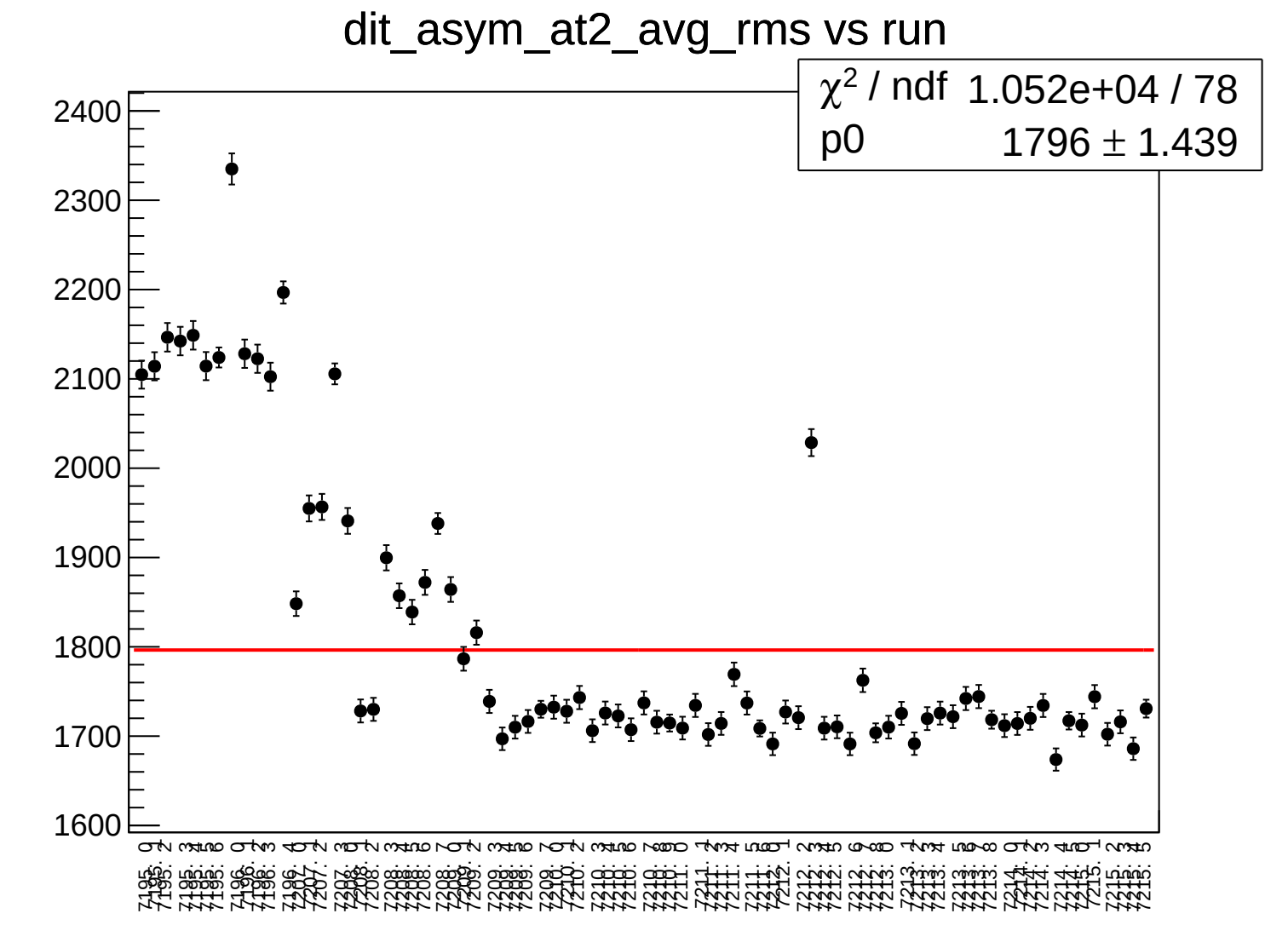

asym_at1_dd_mean vs run
χ² / ndf 66.65 / 78
p0 1265 ± 2100
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 79
Mean 2027
Std Dev 1988
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

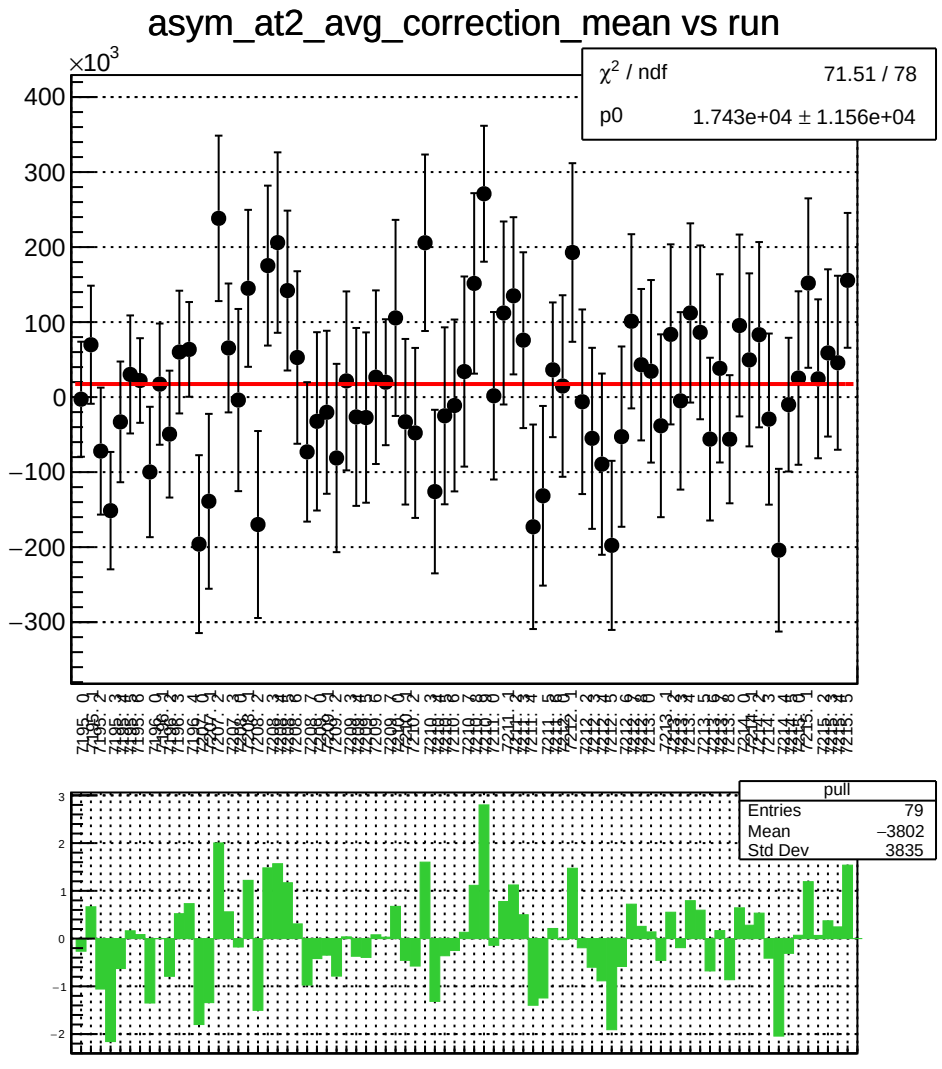

pull1D
Entries 79
Mean −0.002302
Std Dev 0.9185
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

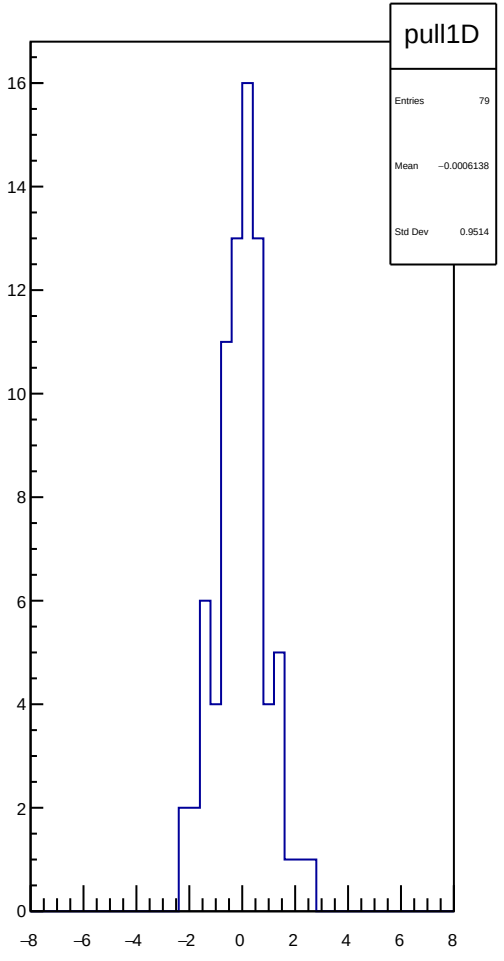

asym_at1_dd_rms vs run
χ² / ndf 95.12 / 78
p0 1860 ± 1.485
1920
1900
1880
1860
1840
1820

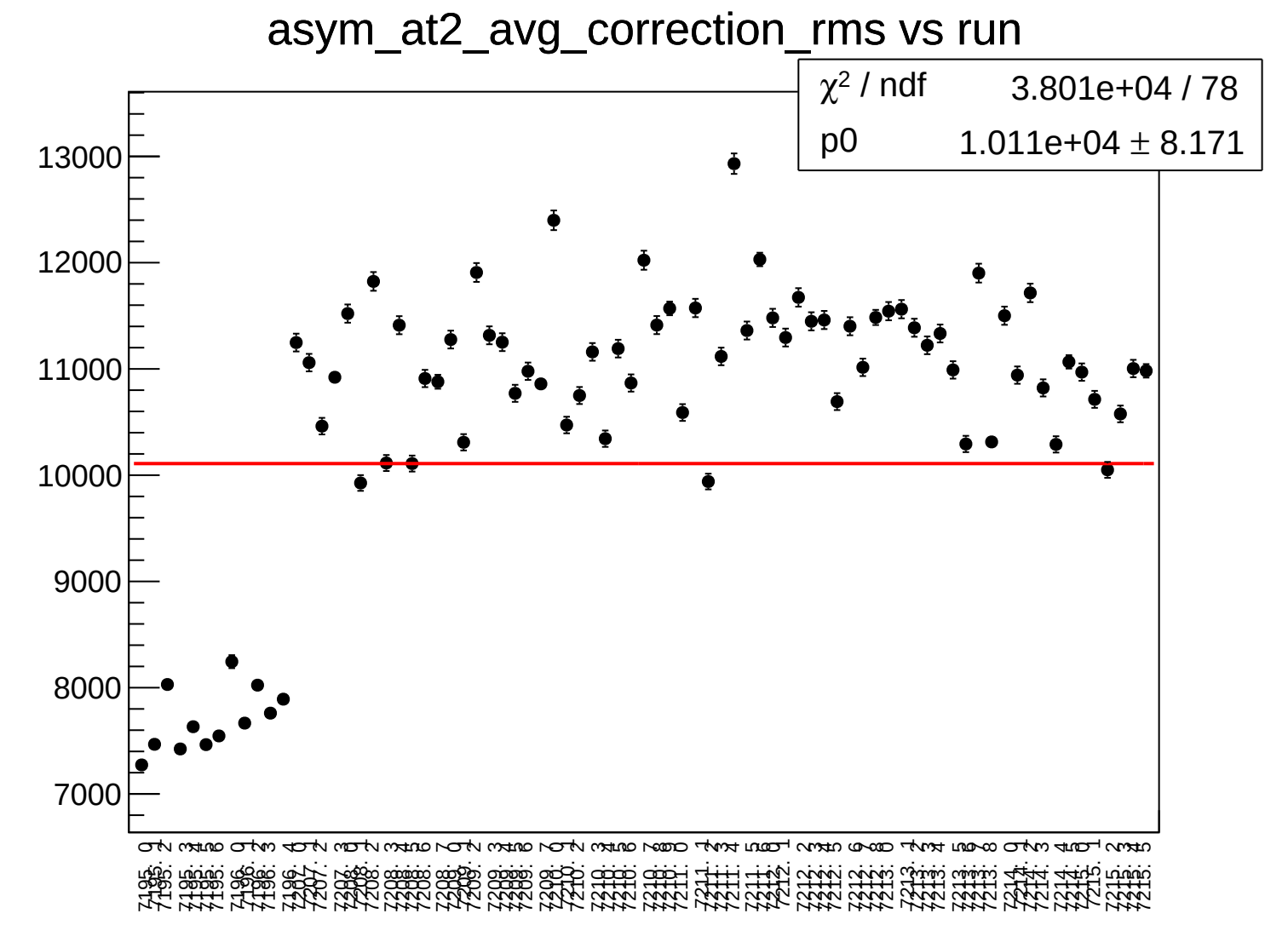

dit_asym_at2_avg_mean vs run
χ² / ndf 72.91 / 78
p0 1275 ± 2035
pull
Entries 79
Mean −30.05
Std Dev 64.18

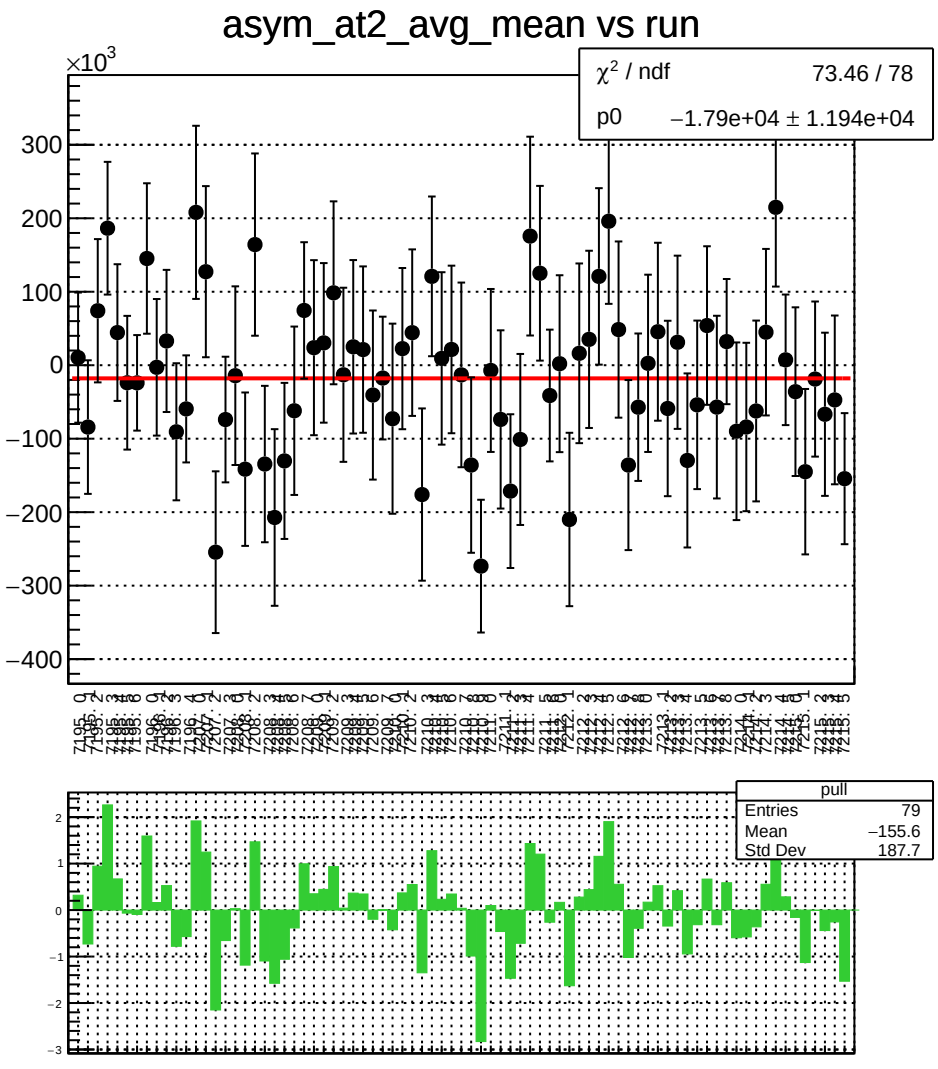

pull1D
Entries 79
Mean 0.01765
Std Dev 0.9605

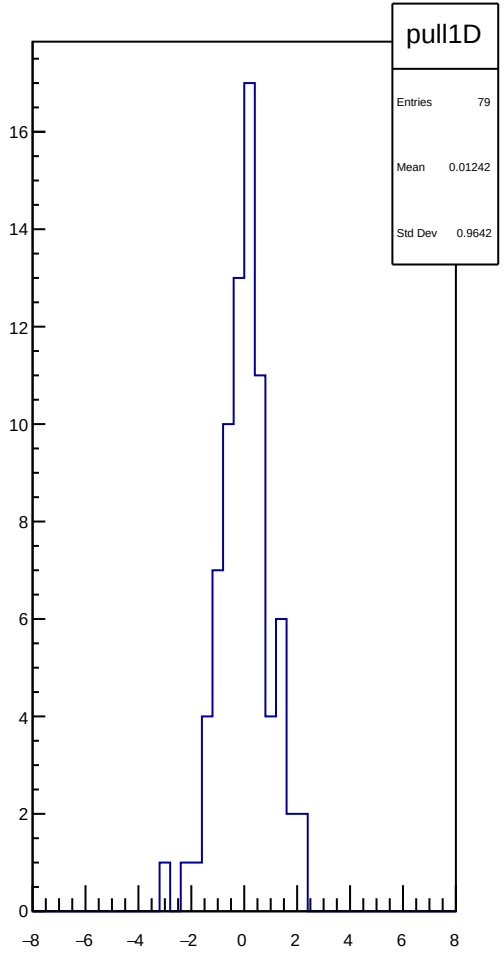

dit_asym_at2_avg_rms vs run
χ² / ndf 1.052e+04 / 78
p0 1796 ± 1.439
2400
2300
2200
2100
2000
1900
1800
1700
1600

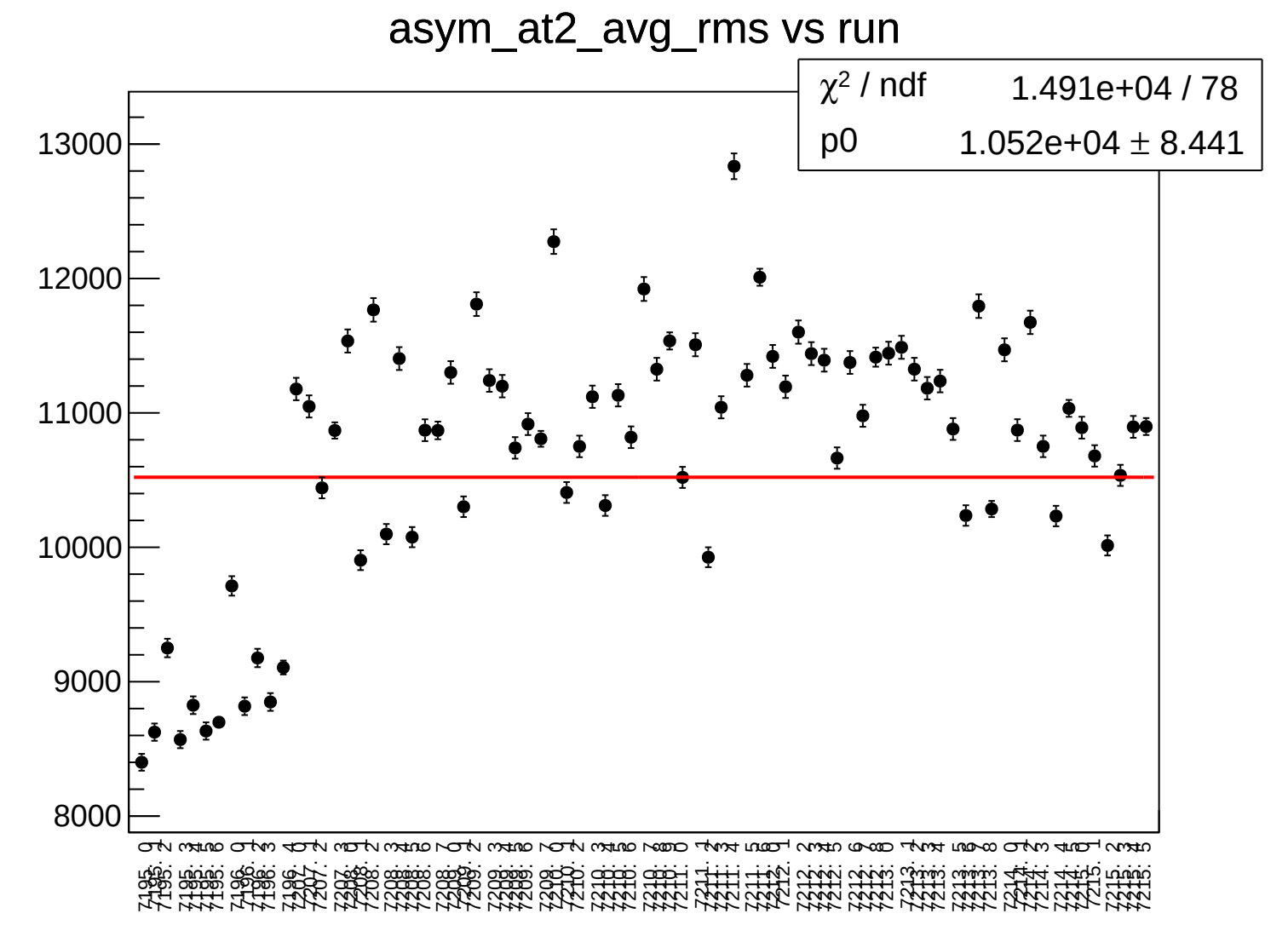

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 71.51 / 78
p0 1.743e+04 ± 1.156e+04
pull
Entries 79
Mean −3802
Std Dev 3835

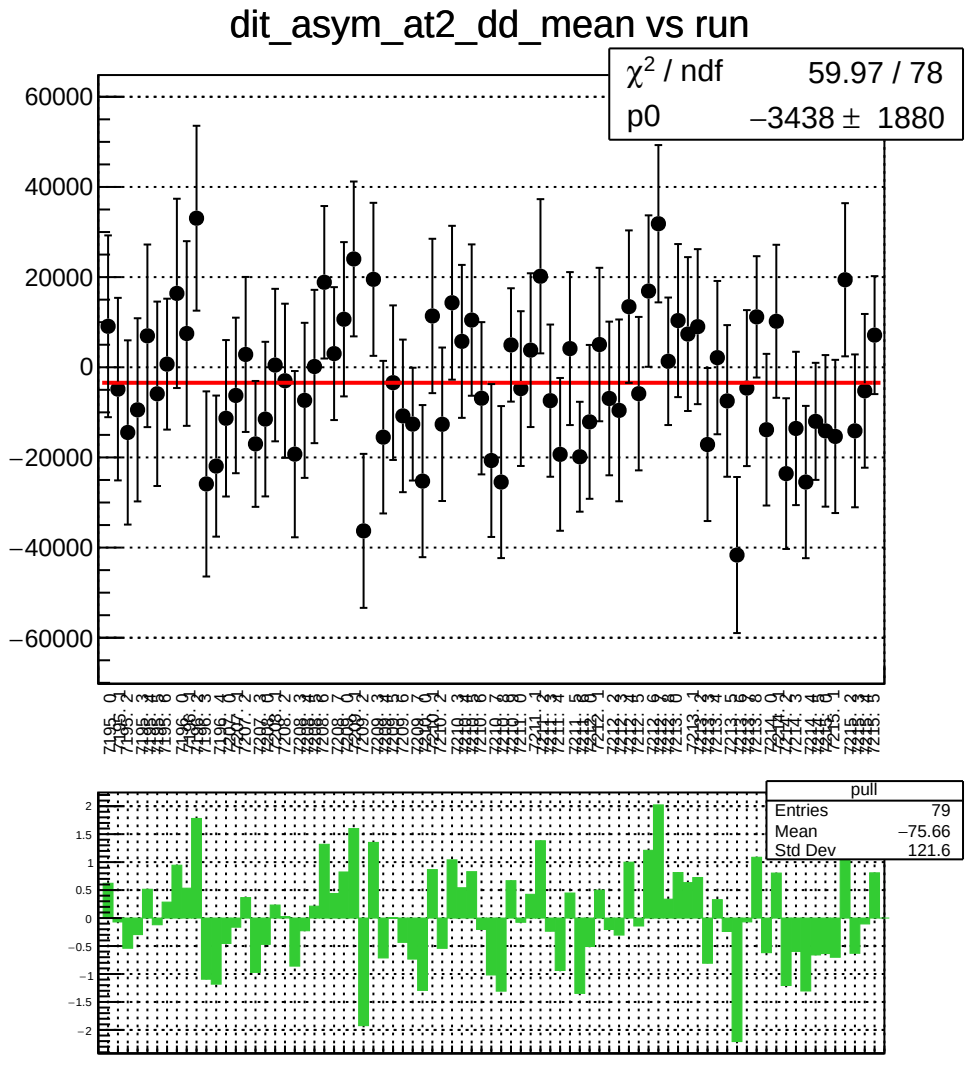

pull1D
Entries 79
Mean −0.0006138
Std Dev 0.9514

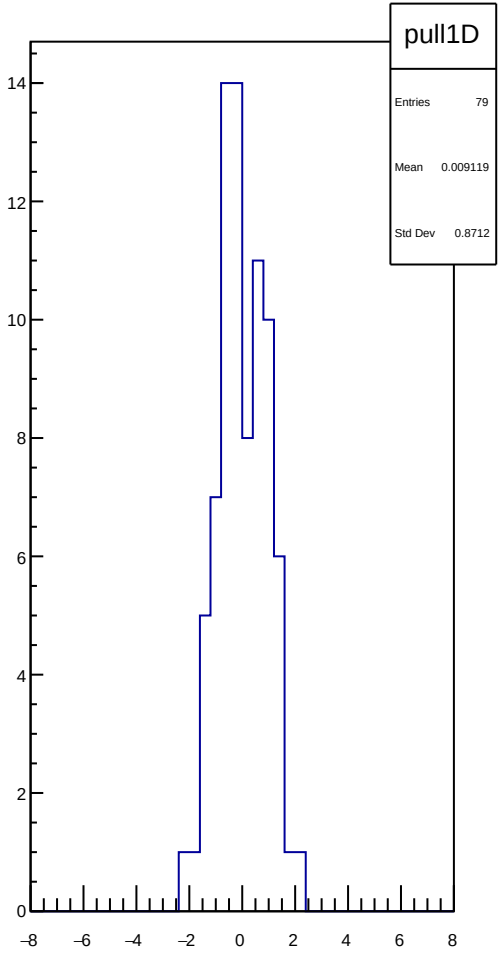

asym_at2_avg_correction_rms vs run
χ² / ndf 3.801e+04 / 78
p0 1.011e+04 ± 8.171
13000
12000
11000
10000
9000
8000
7000

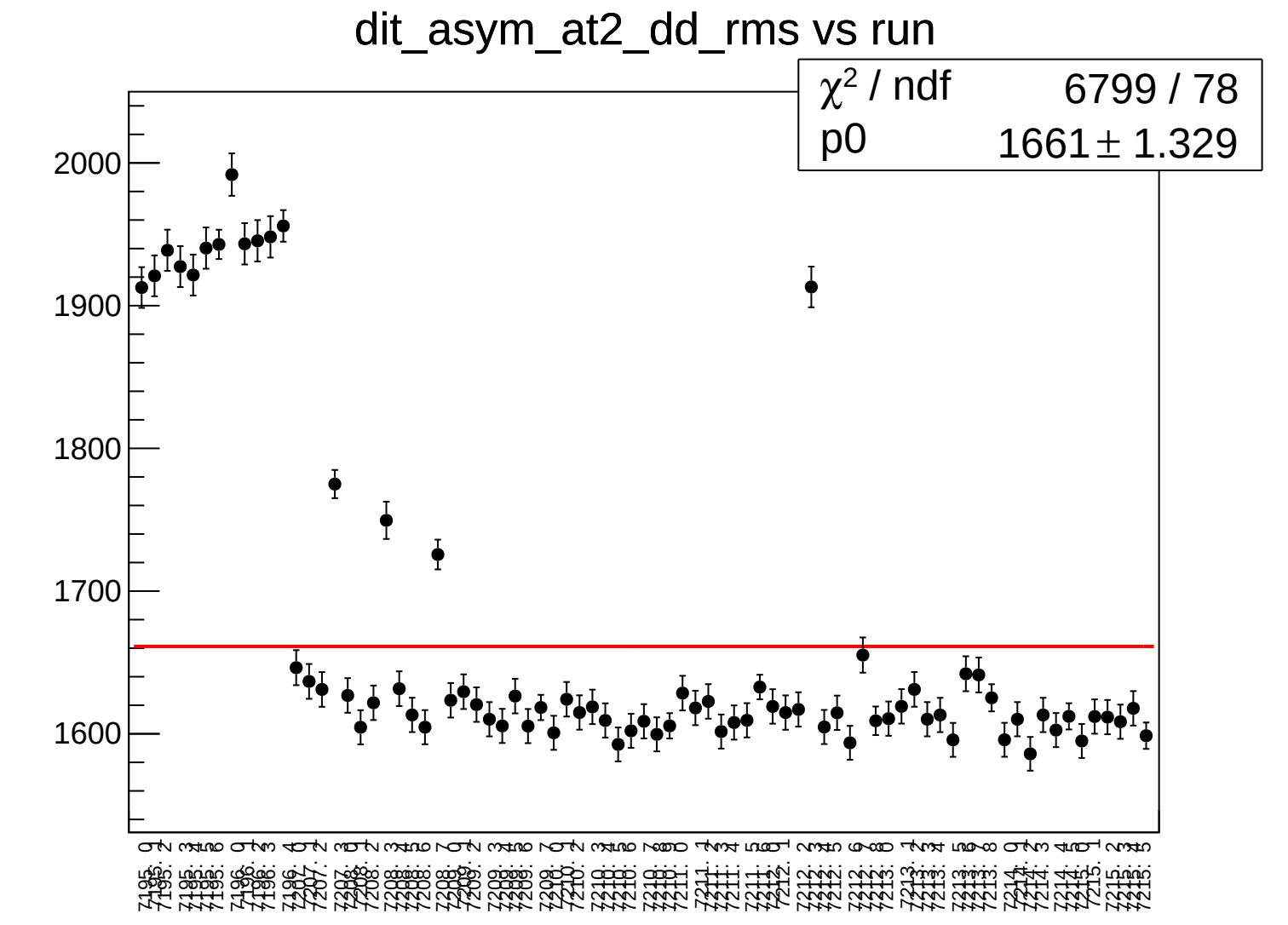

asym_at2_avg_mean vs run
×10^3
χ² / ndf 73.46 / 78
p0 −1.79e+04 ± 1.194e+04
pull
Entries 79
Mean −155.6
Std Dev 187.7

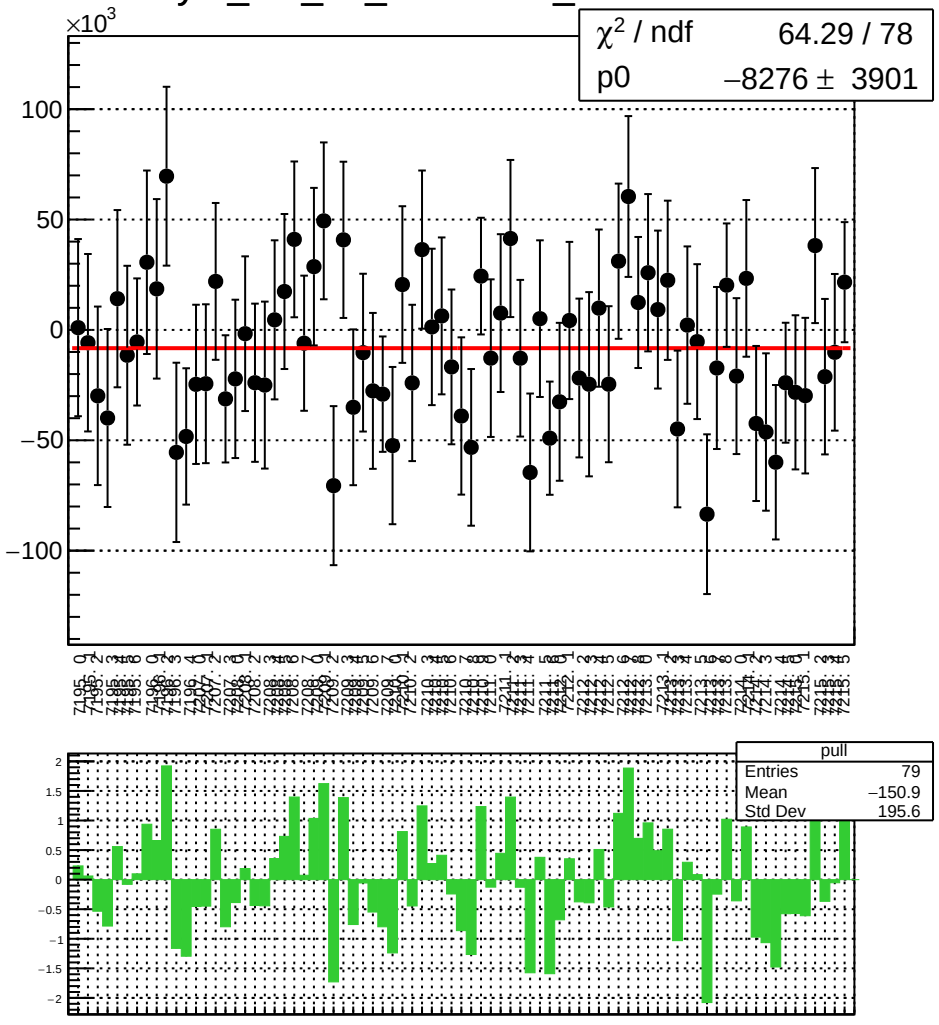

pull1D
Entries 79
Mean 0.01242
Std Dev 0.9642

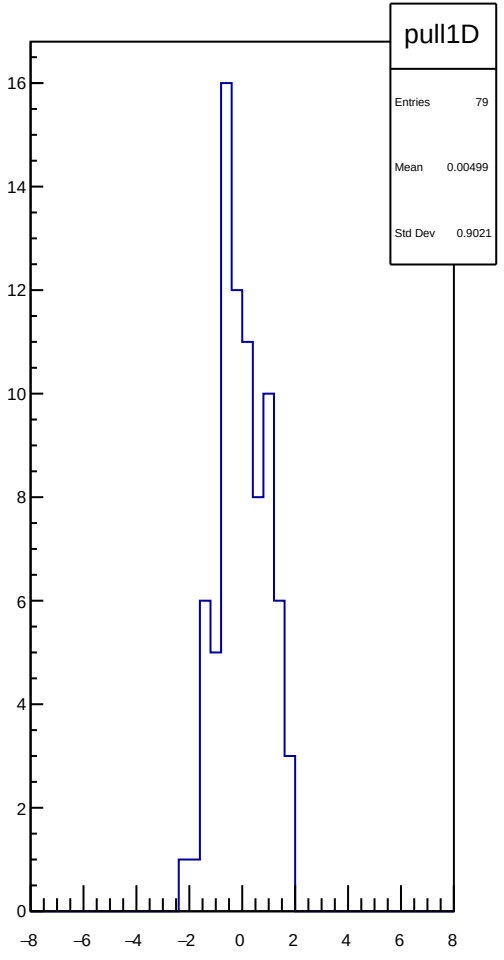

asym_at2_avg_rms vs run
χ² / ndf 1.491e+04 / 78
p0 1.052e+04 ± 8.441
13000
12000
11000
10000
9000
8000

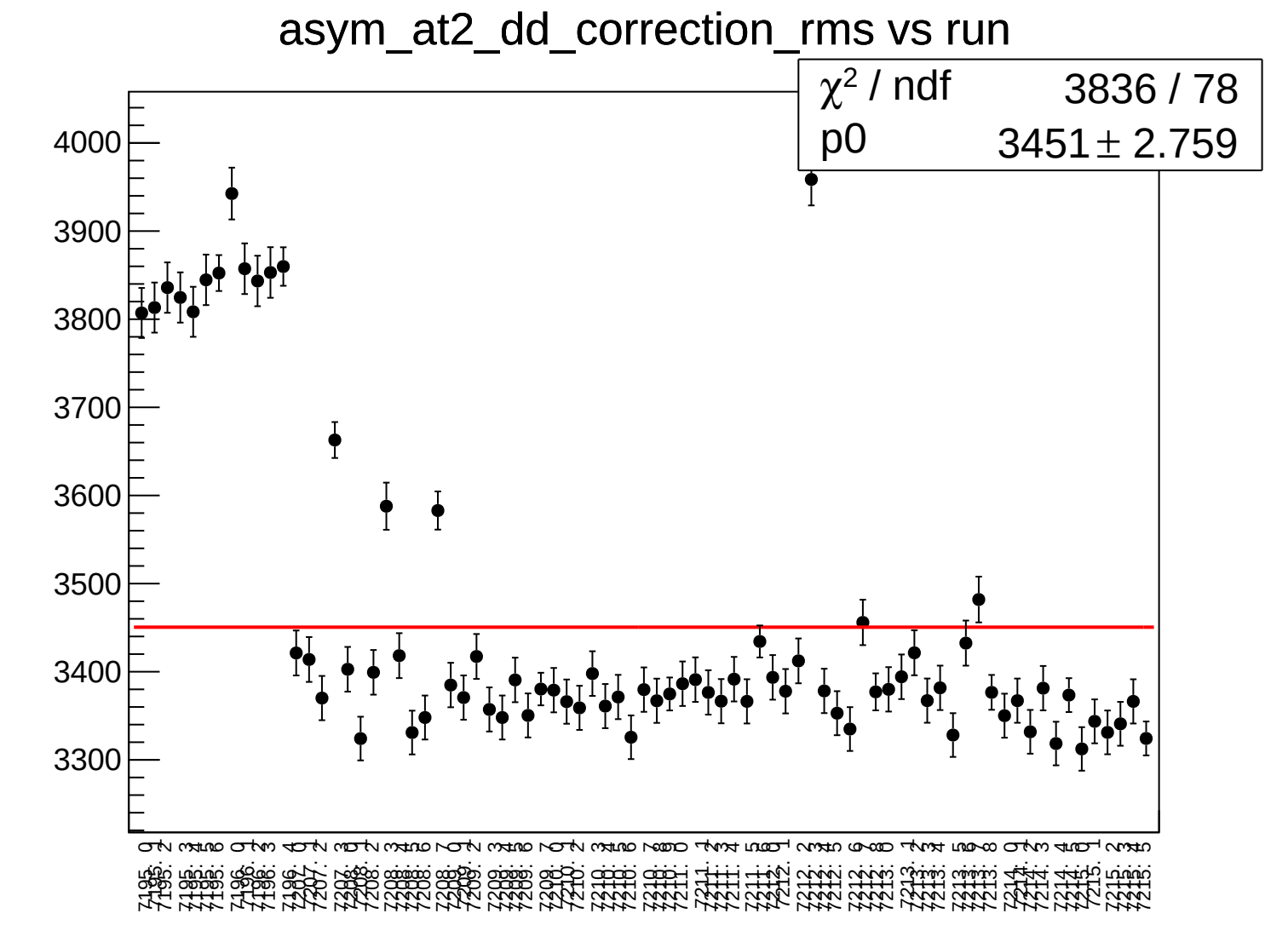

dit_asym_at2_dd_mean vs run
χ² / ndf 59.97 / 78
p0 −3438 ± 1880
pull
Entries 79
Mean −75.66
Std Dev 121.6

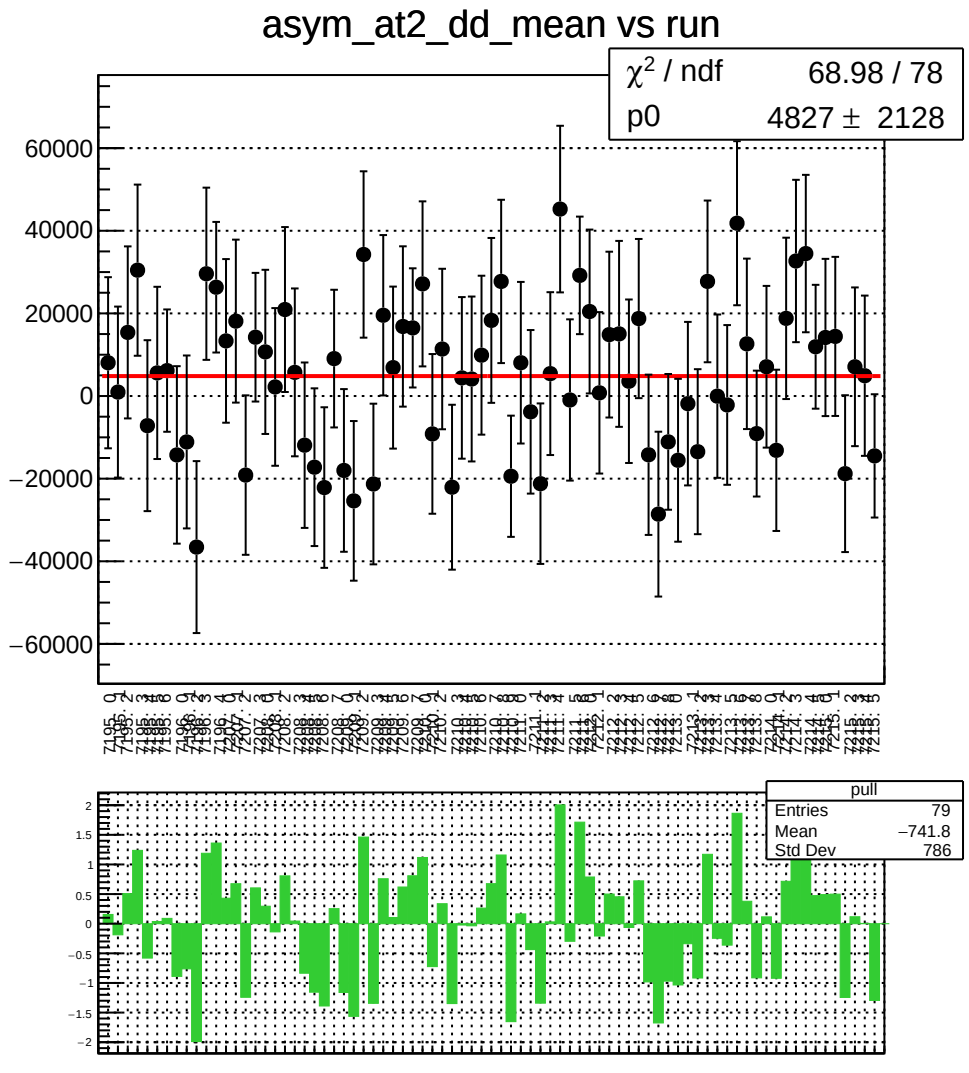

pull1D
Entries 79
Mean 0.009119
Std Dev 0.8712

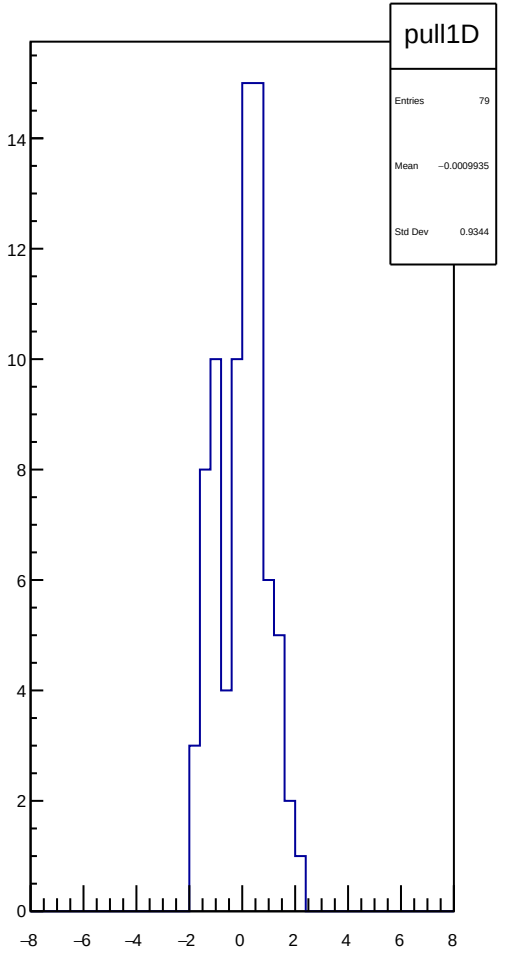

dit_asym_at2_dd_rms vs run
χ² / ndf 6799 / 78
p0 1661 ± 1.329
2000
1900
1800
1700
1600

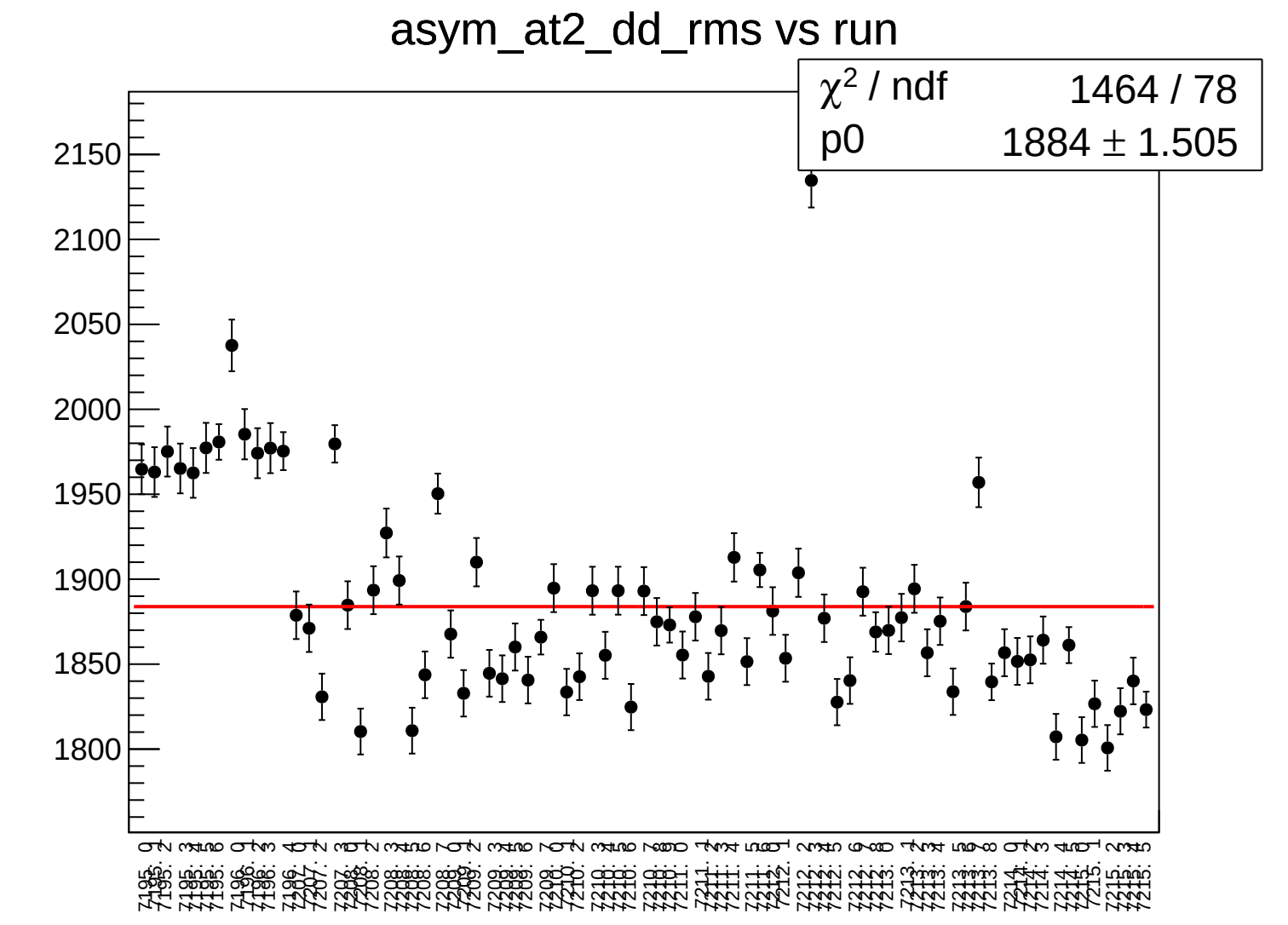

asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 64.29 / 78
p0 −8276 ± 3901
100
50
0
−50
−100
pull
Entries 79
Mean −150.9
Std Dev 195.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

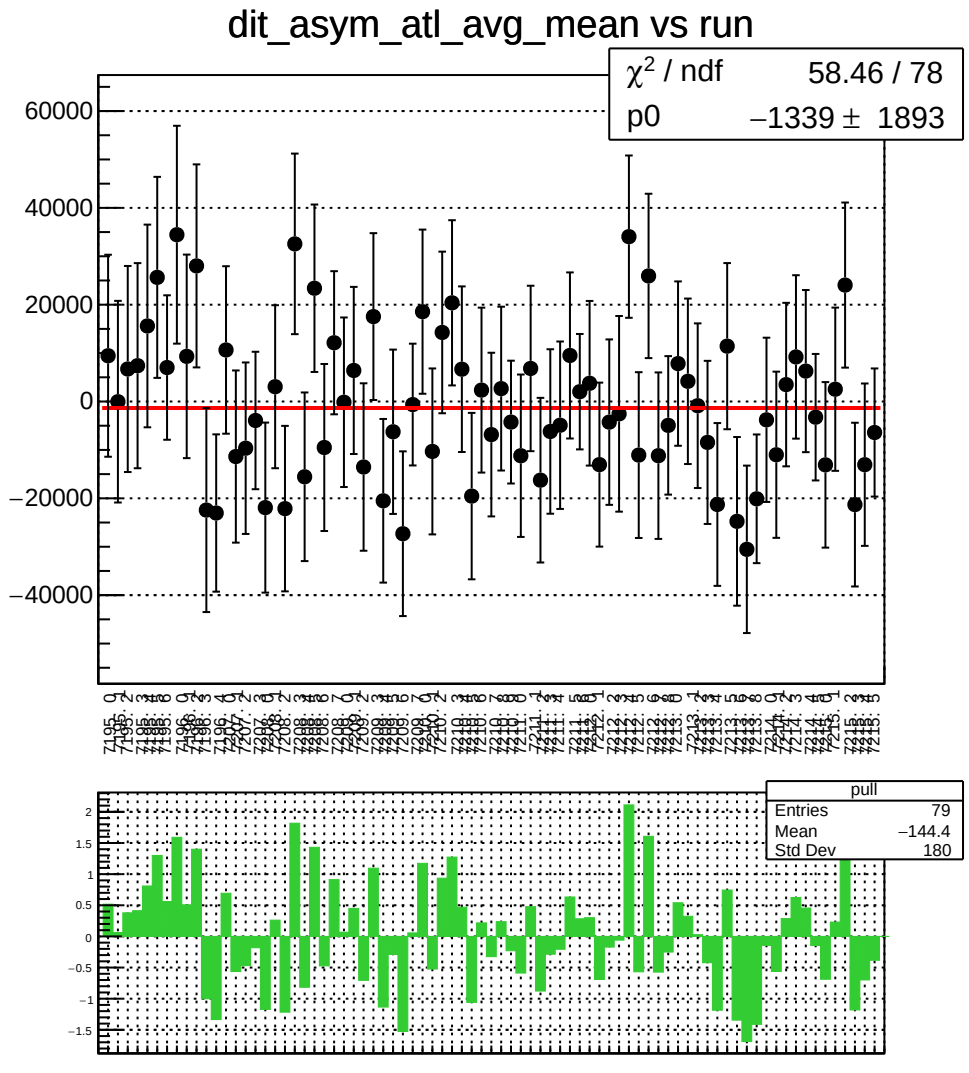

pull1D
Entries 79
Mean 0.00499
Std Dev 0.9021
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

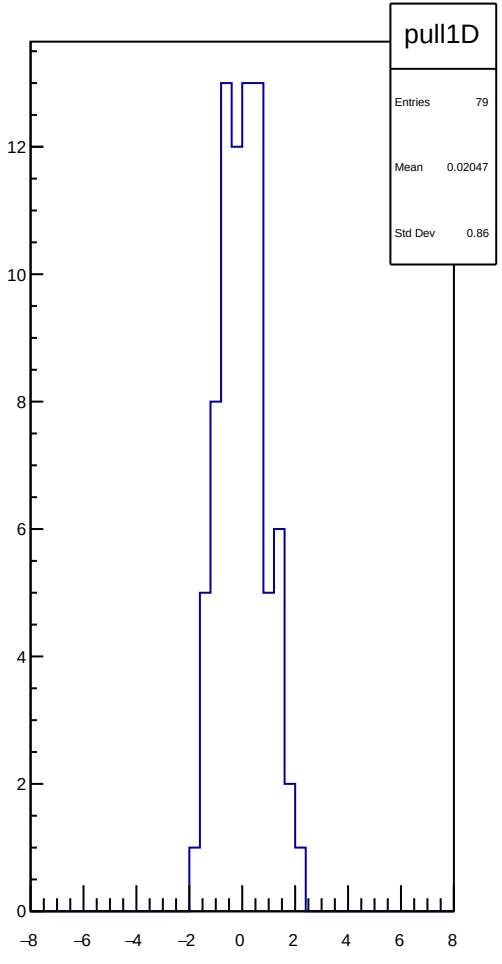

asym_at2_dd_correction_rms vs run
χ² / ndf 3836 / 78
p0 3451 ± 2.759
4000
3900
3800
3700
3600
3500
3400
3300

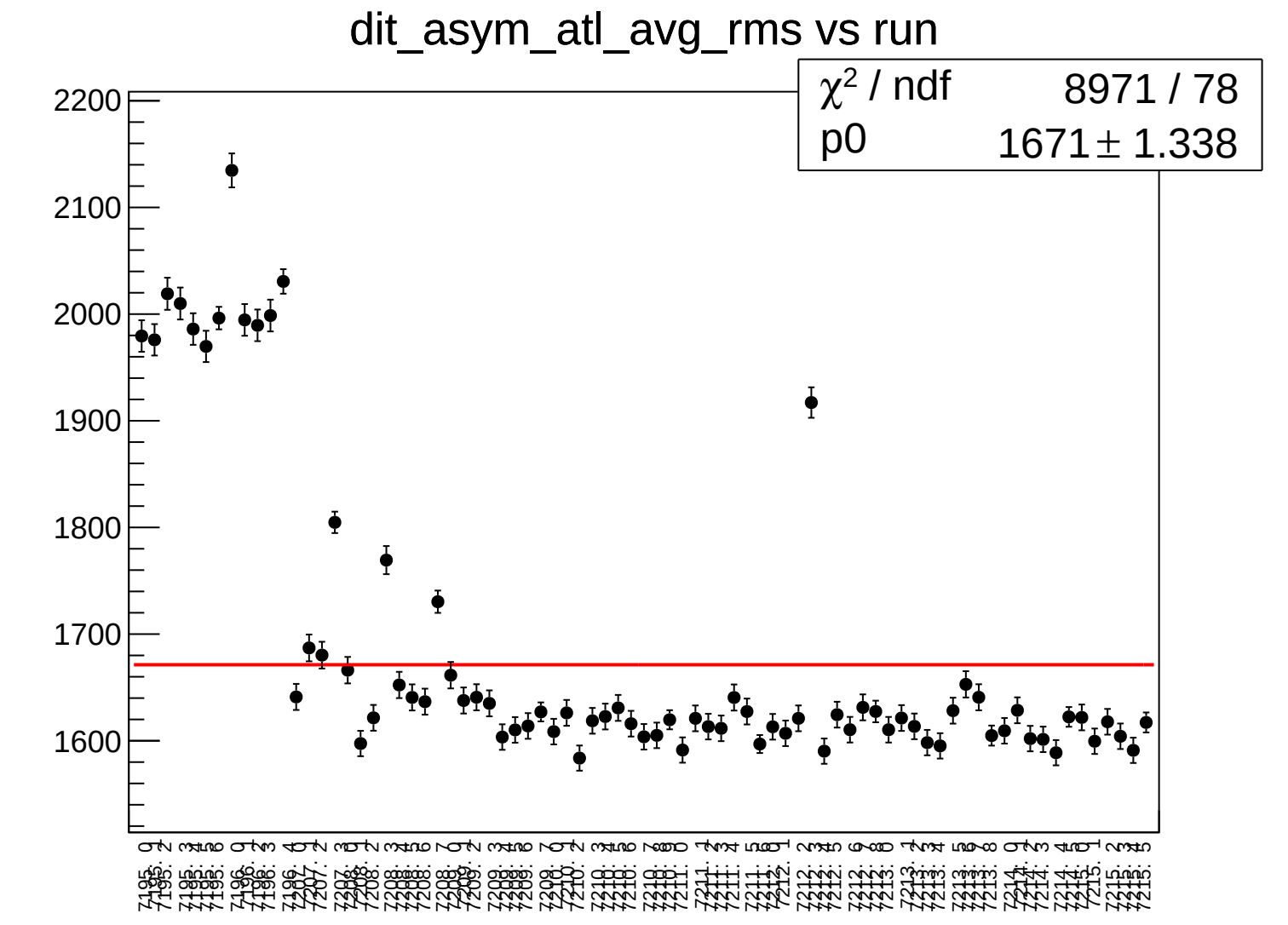

asym_at2_dd_mean vs run
χ² / ndf 68.98 / 78
p0 4827 ± 2128
pull
Entries 79
Mean −741.8
Std Dev 786

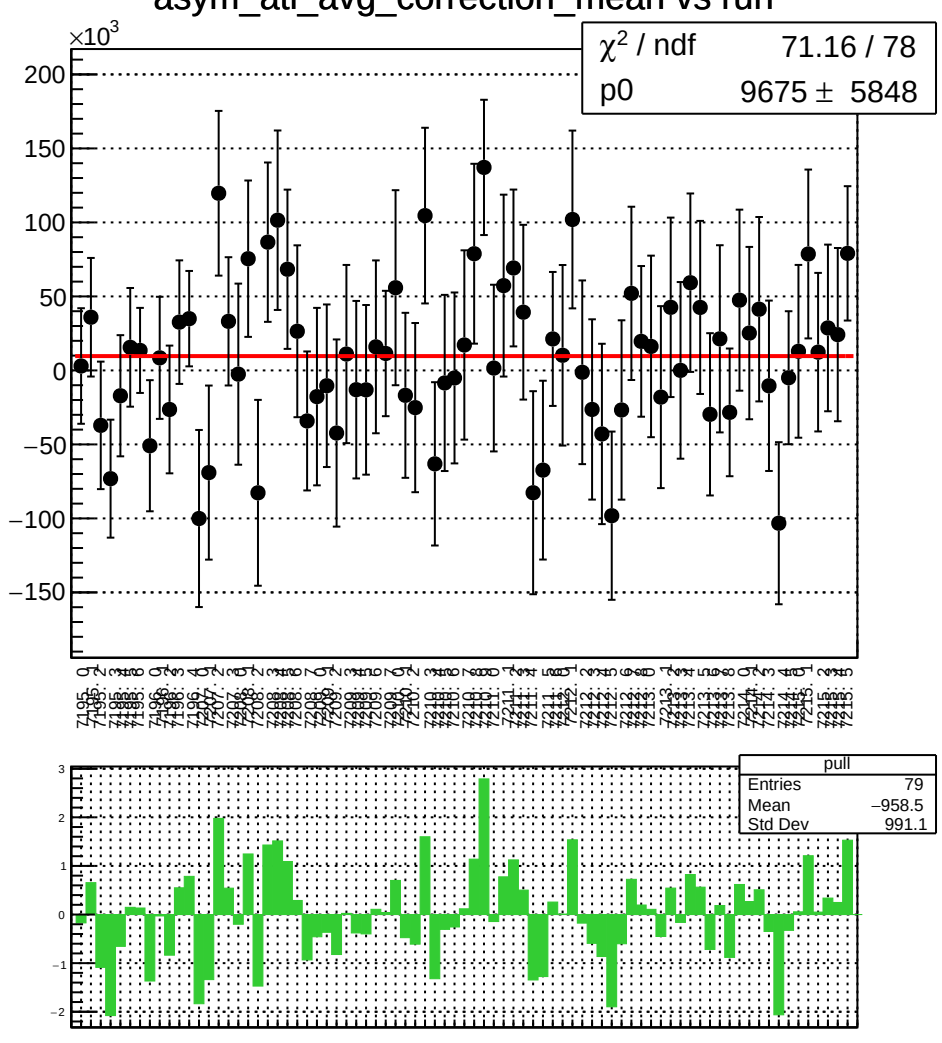

pull1D
Entries 79
Mean −0.0009935
Std Dev 0.9344

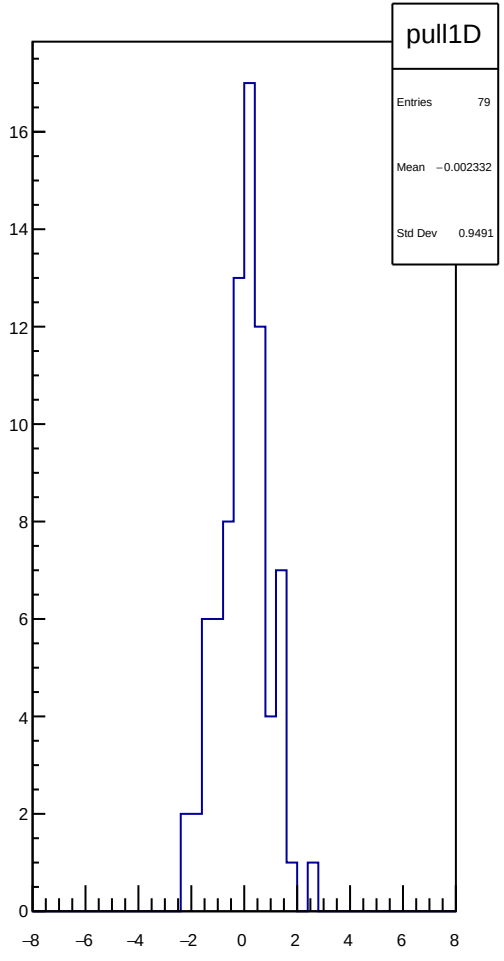

asym_at2_dd_rms vs run
χ² / ndf 1464 / 78
p0 1884 ± 1.505
2150
2100
2050
2000
1950
1900
1850
1800

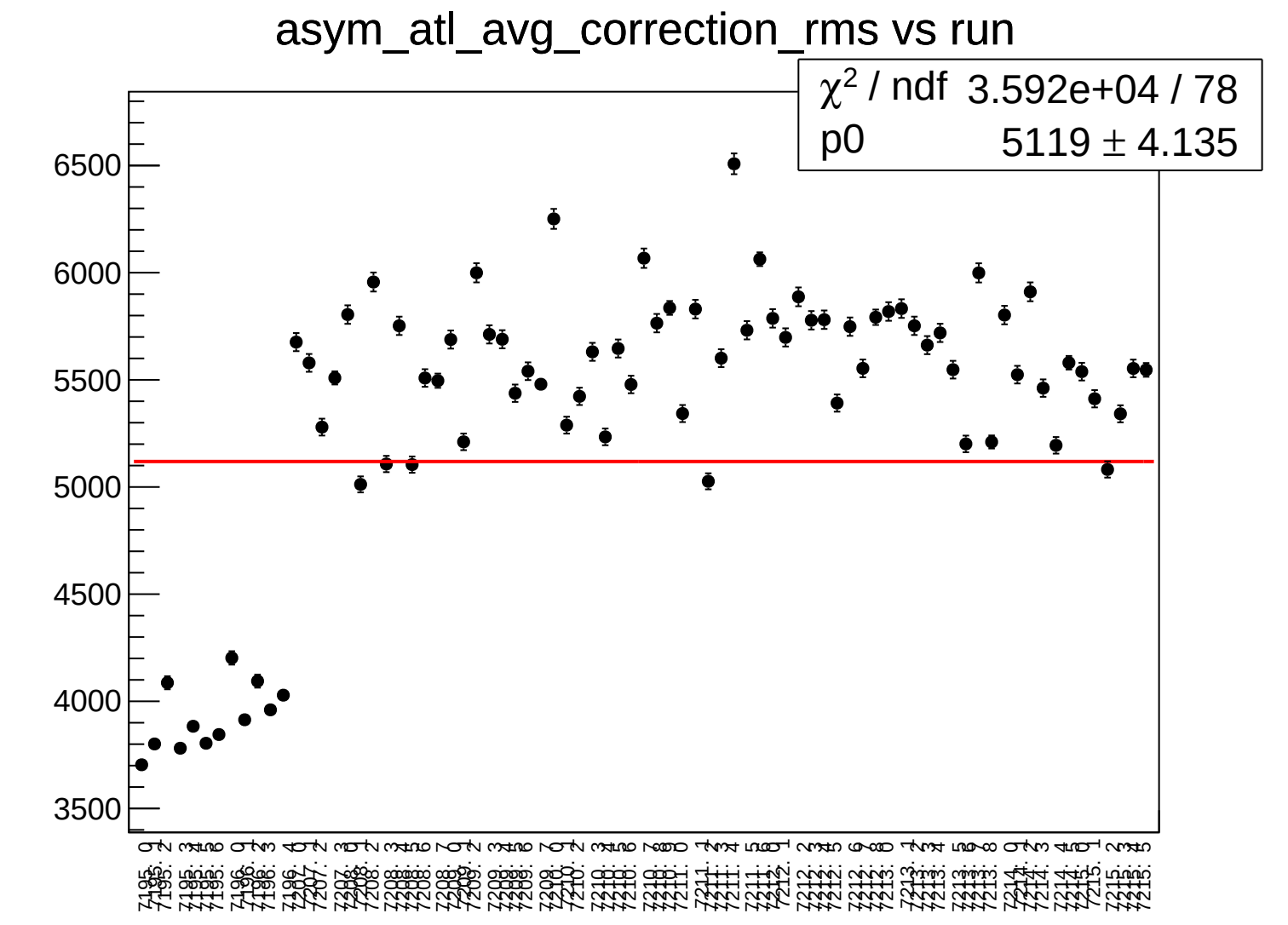

dit_asym_atl_avg_mean vs run
χ² / ndf 58.46 / 78
p0 −1339 ± 1893
60000
40000
20000
0
−20000
−40000
pull
Entries 79
Mean −144.4
Std Dev 180
2
1.5
1
0.5
0
−0.5
−1
−1.5

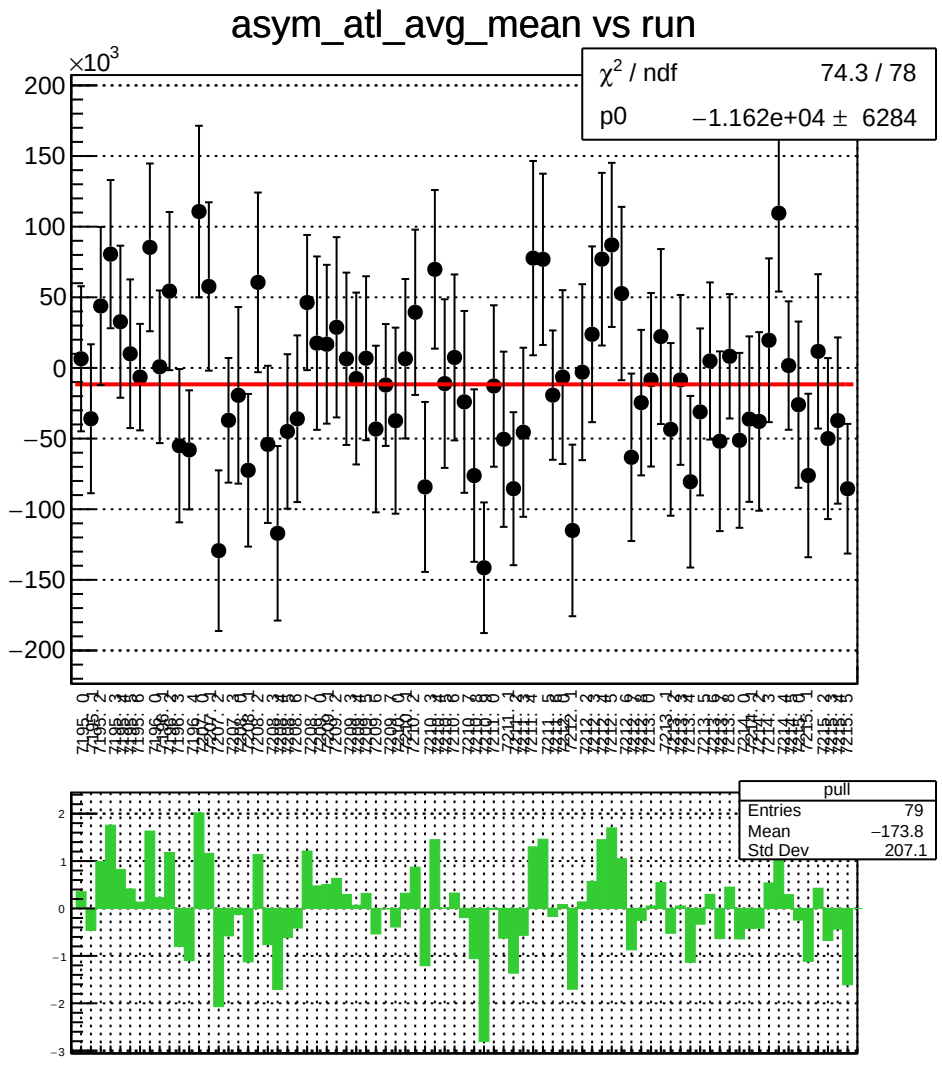

pull1D
Entries 79
Mean 0.02047
Std Dev 0.86
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

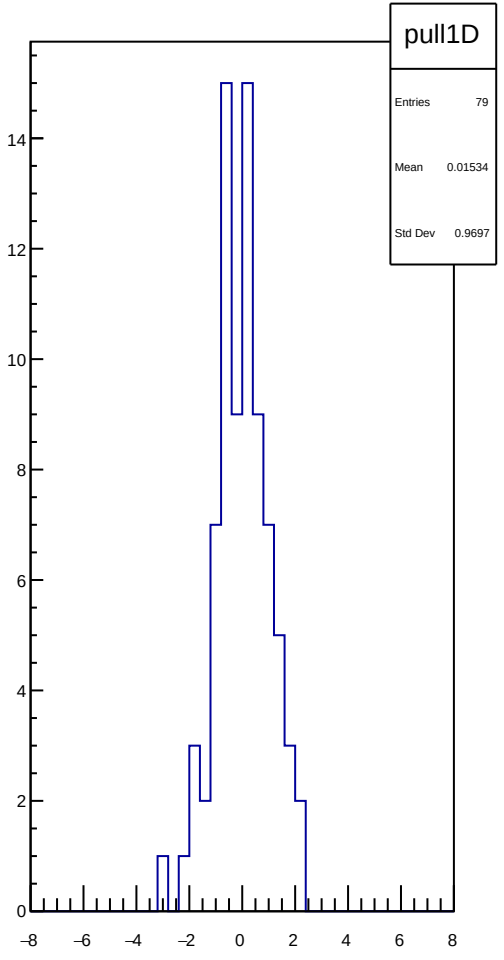

dit_asym_atl_avg_rms vs run
χ² / ndf 8971 / 78
p0 1671 ± 1.338
2200
2100
2000
1900
1800
1700
1600

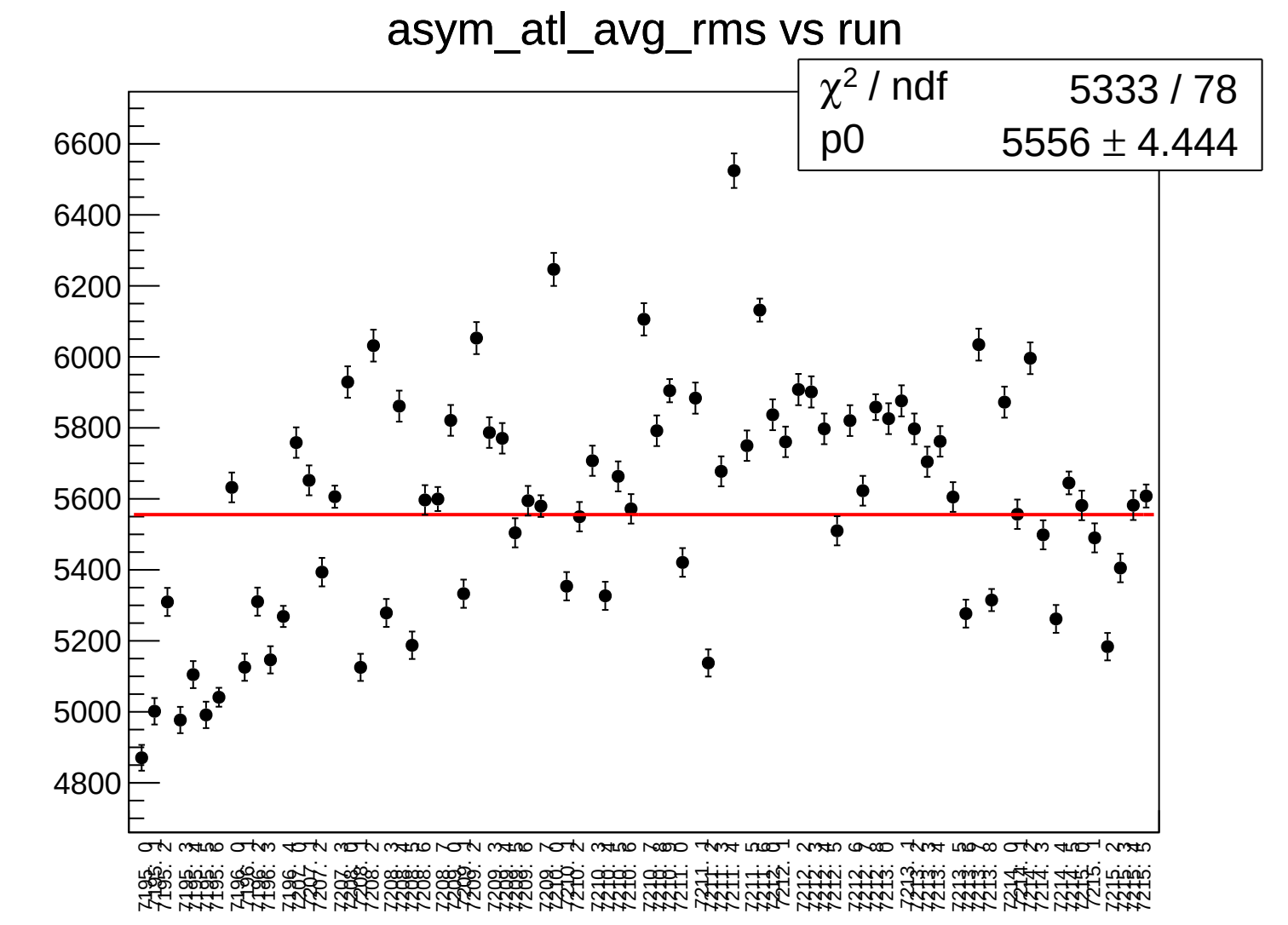

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 71.16 / 78
p0 9675 ± 5848
200
150
100
50
0
−50
−100
−150
pull
Entries 79
Mean −958.5
Std Dev 991.1
3
2
1
0
−1
−2

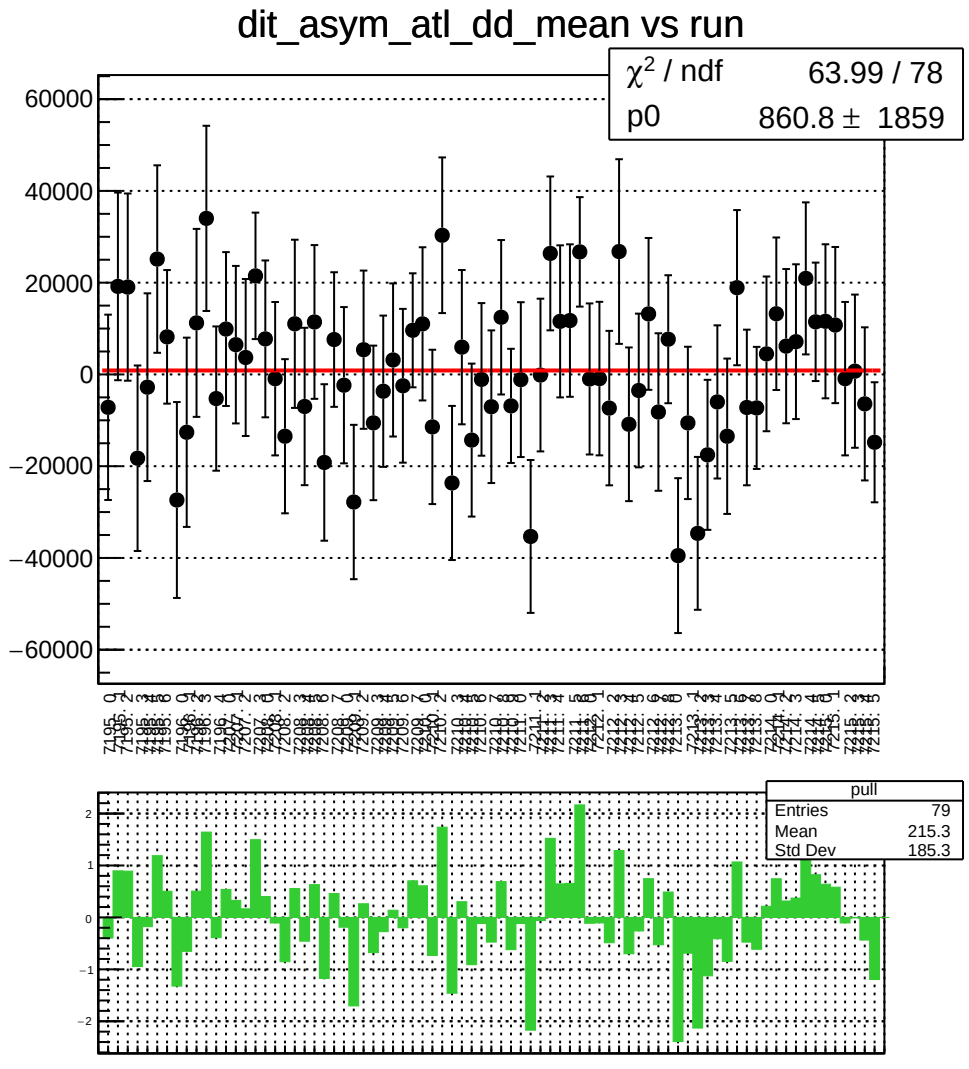

pull1D
Entries 79
Mean −0.002332
Std Dev 0.9491
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

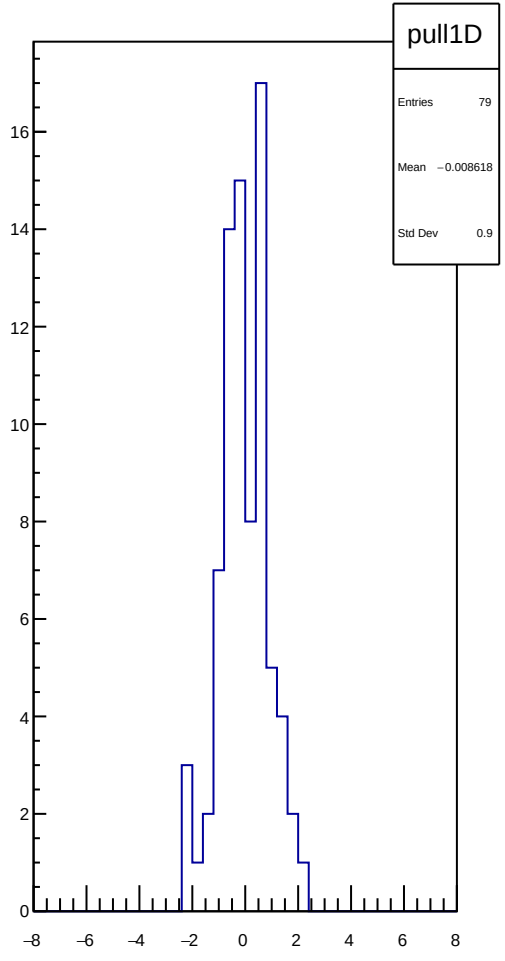

asym_atl_avg_correction_rms vs run
χ^2 / ndf 3.592e+04 / 78
p0 5119 ± 4.135
6500
6000
5500
5000
4500
4000
3500

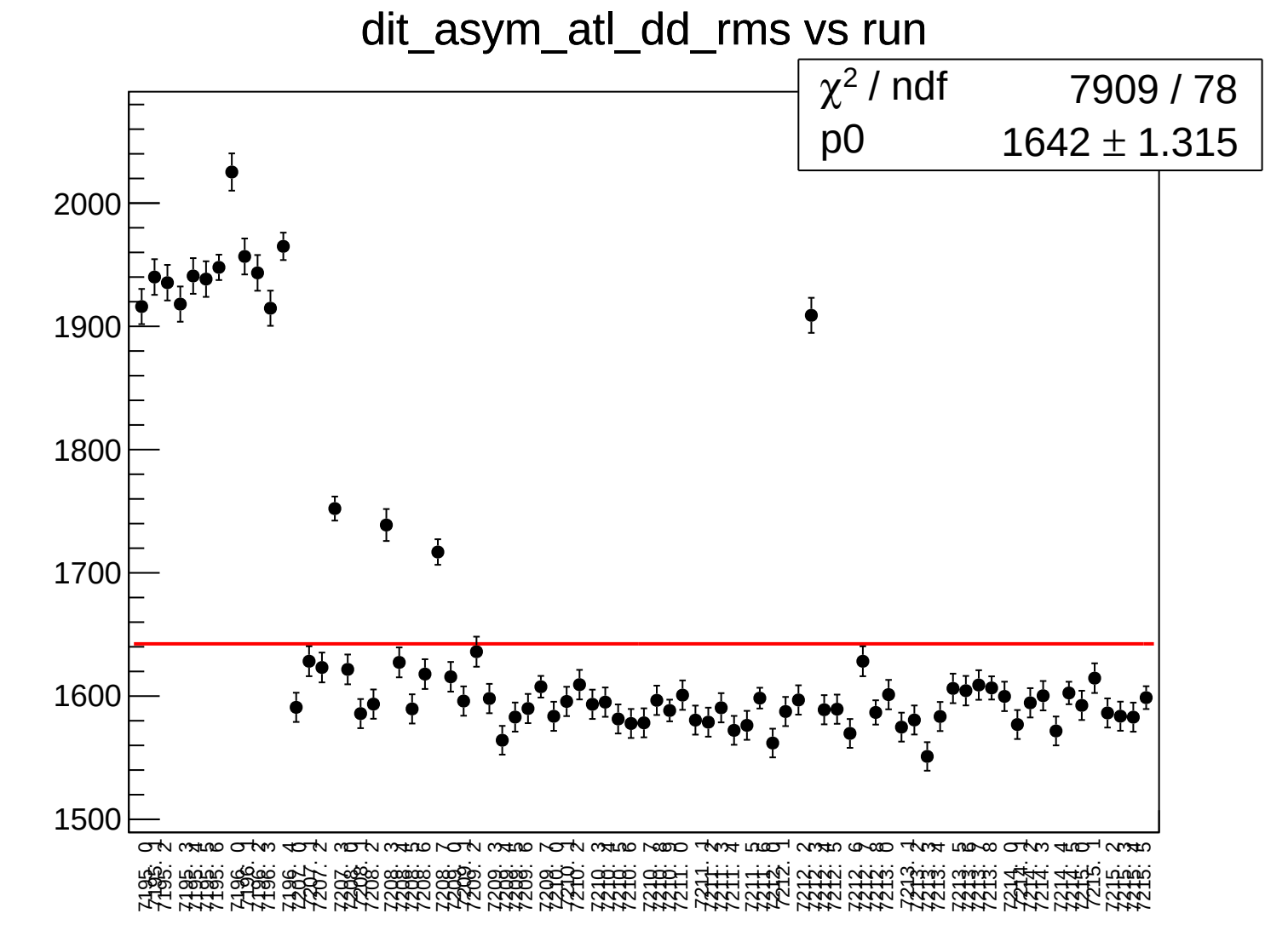

asym_atl_avg_mean vs run
×10^3
χ² / ndf 74.3 / 78
p0 −1.162e+04 ± 6284
pull
Entries 79
Mean −173.8
Std Dev 207.1

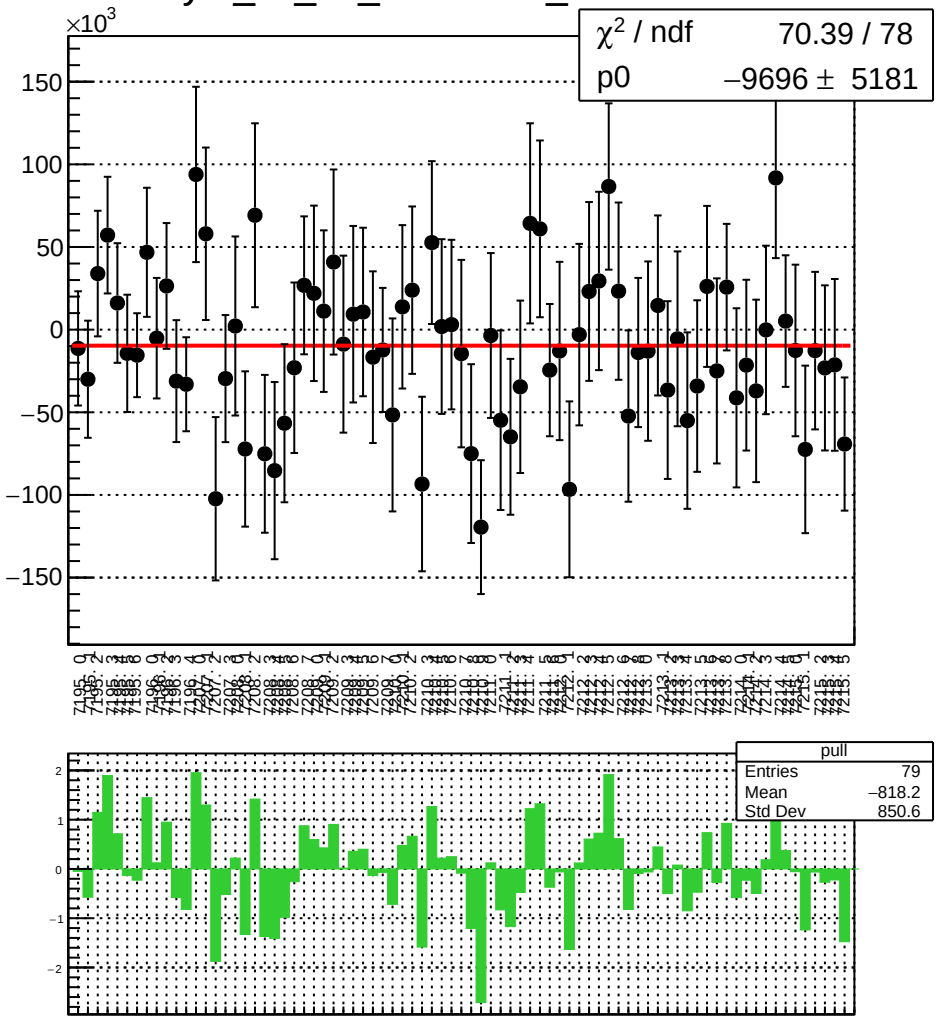

pull1D
Entries 79
Mean 0.01534
Std Dev 0.9697

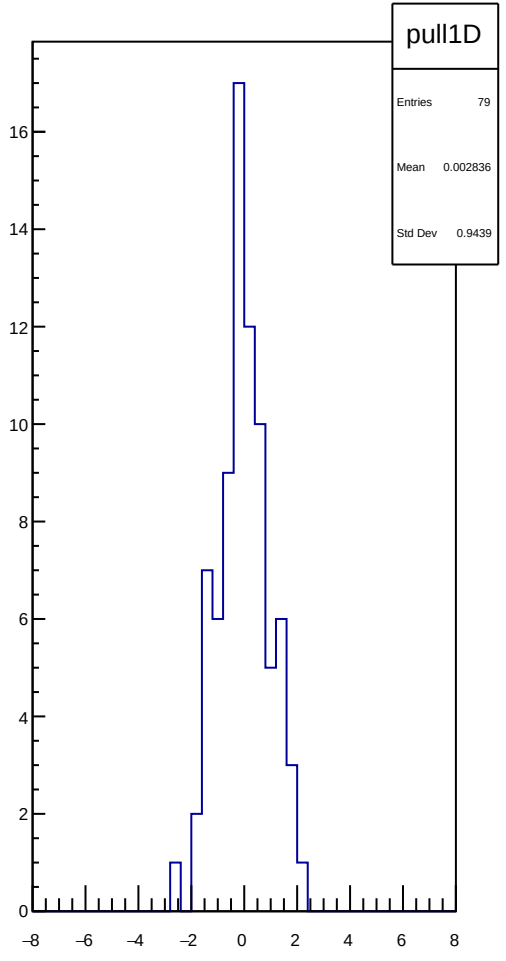

asym_atl_avg_rms vs run
χ² / ndf 5333 / 78
p0 5556 ± 4.444
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800

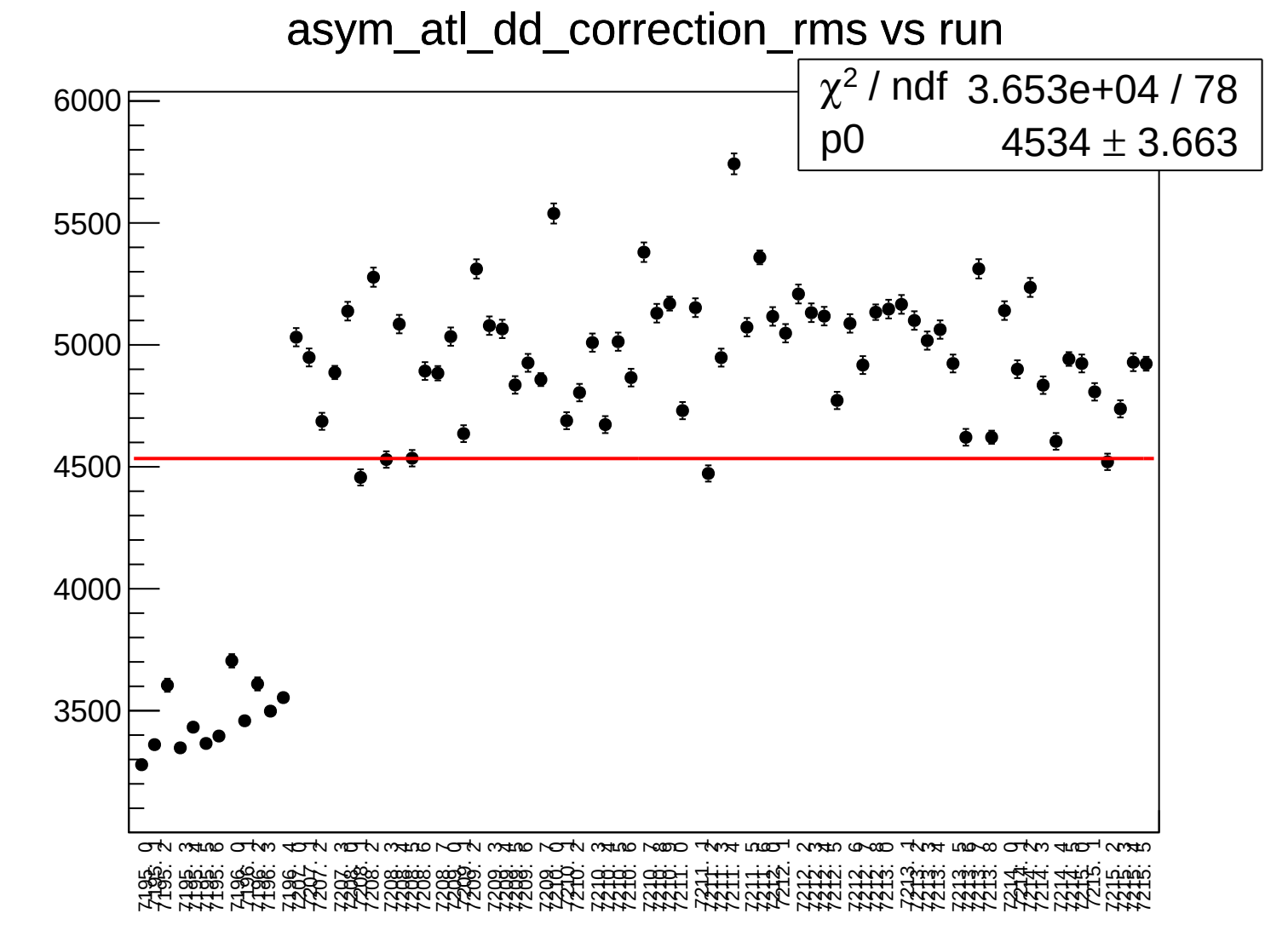

dit_asym_atl_dd_mean vs run
χ² / ndf 63.99 / 78
p0 860.8 ± 1859
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 79
Mean 215.3
Std Dev 185.3
2
1
0
−1
−2

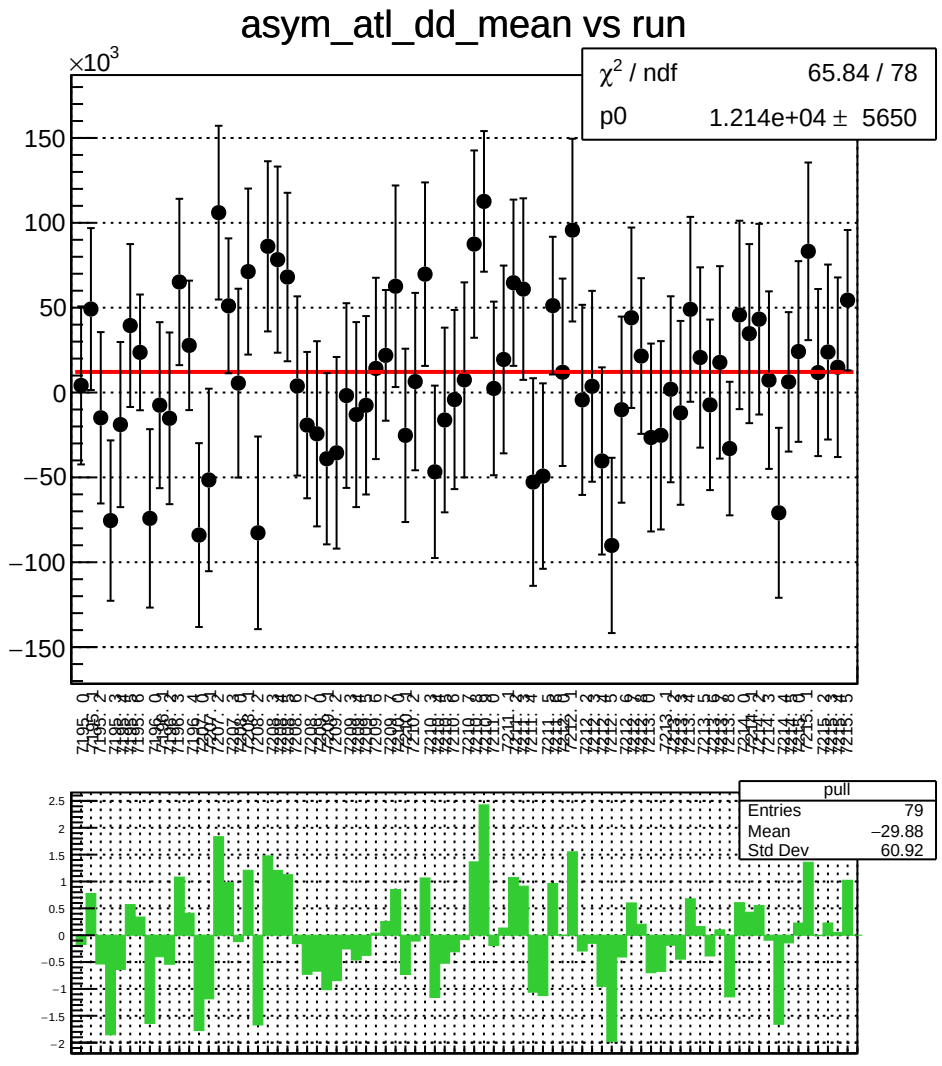

pull1D
Entries 79
Mean −0.008618
Std Dev 0.9
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

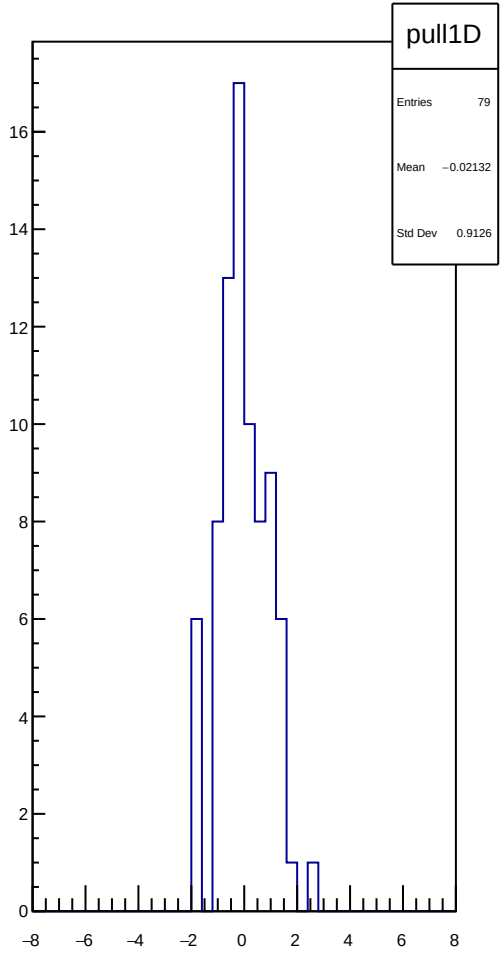

dit_asym_atl_dd_rms vs run
χ² / ndf 7909 / 78
p0 1642 ± 1.315
2000
1900
1800
1700
1600
1500

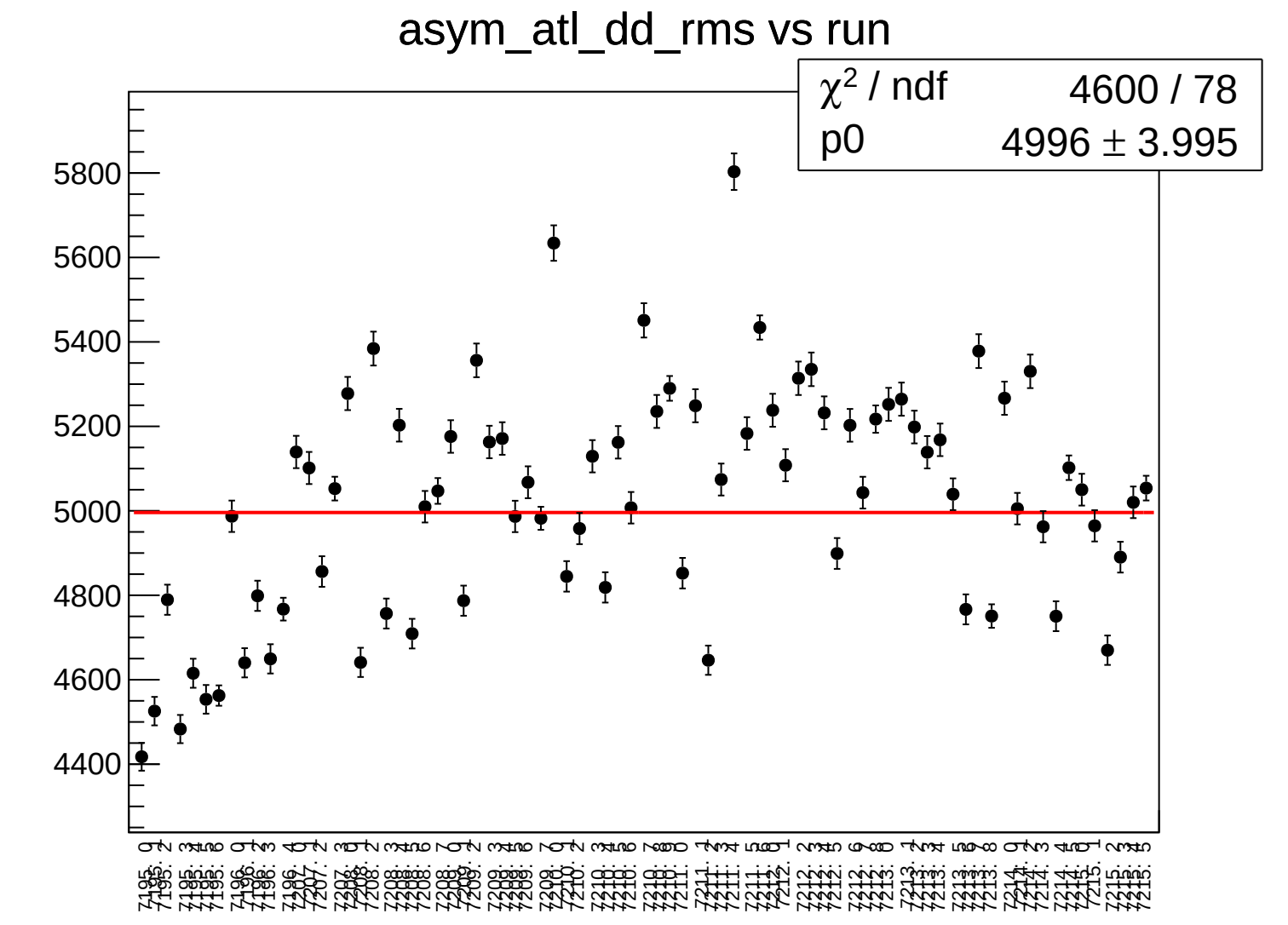

asym_atl_dd_correction_mean vs run
×10^3
χ² / ndf 70.39 / 78
p0 −9696 ± 5181
150
100
50
0
−50
−100
−150
pull
Entries 79
Mean −818.2
Std Dev 850.6
2
1
0
−1
−2

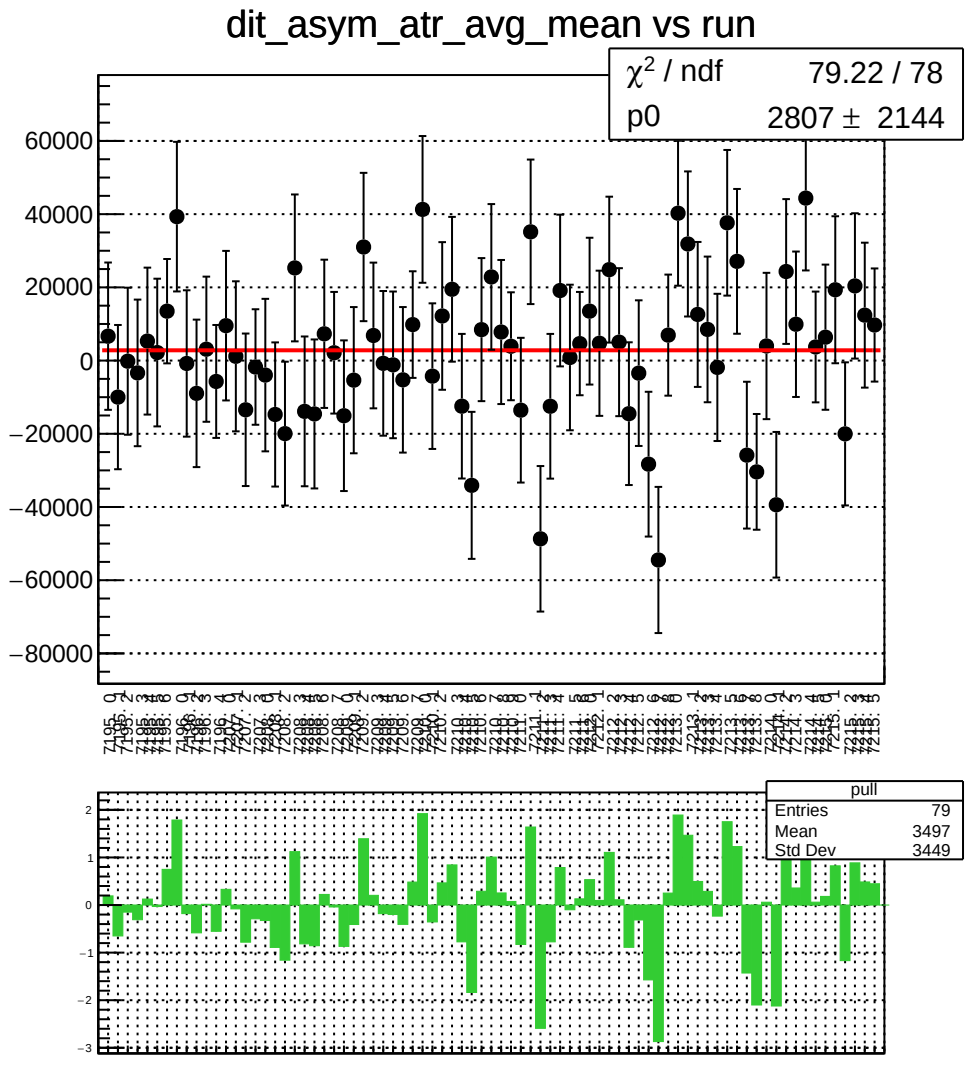

pull1D
Entries 79
Mean 0.002836
Std Dev 0.9439
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

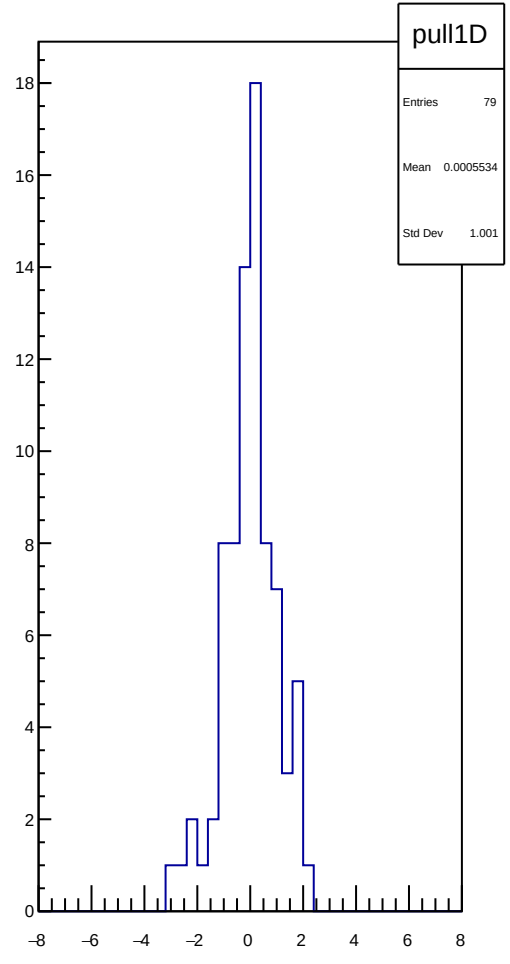

asym_atl_dd_correction_rms vs run
χ² / ndf 3.653e+04 / 78
p0 4534 ± 3.663
6000
5500
5000
4500
4000
3500

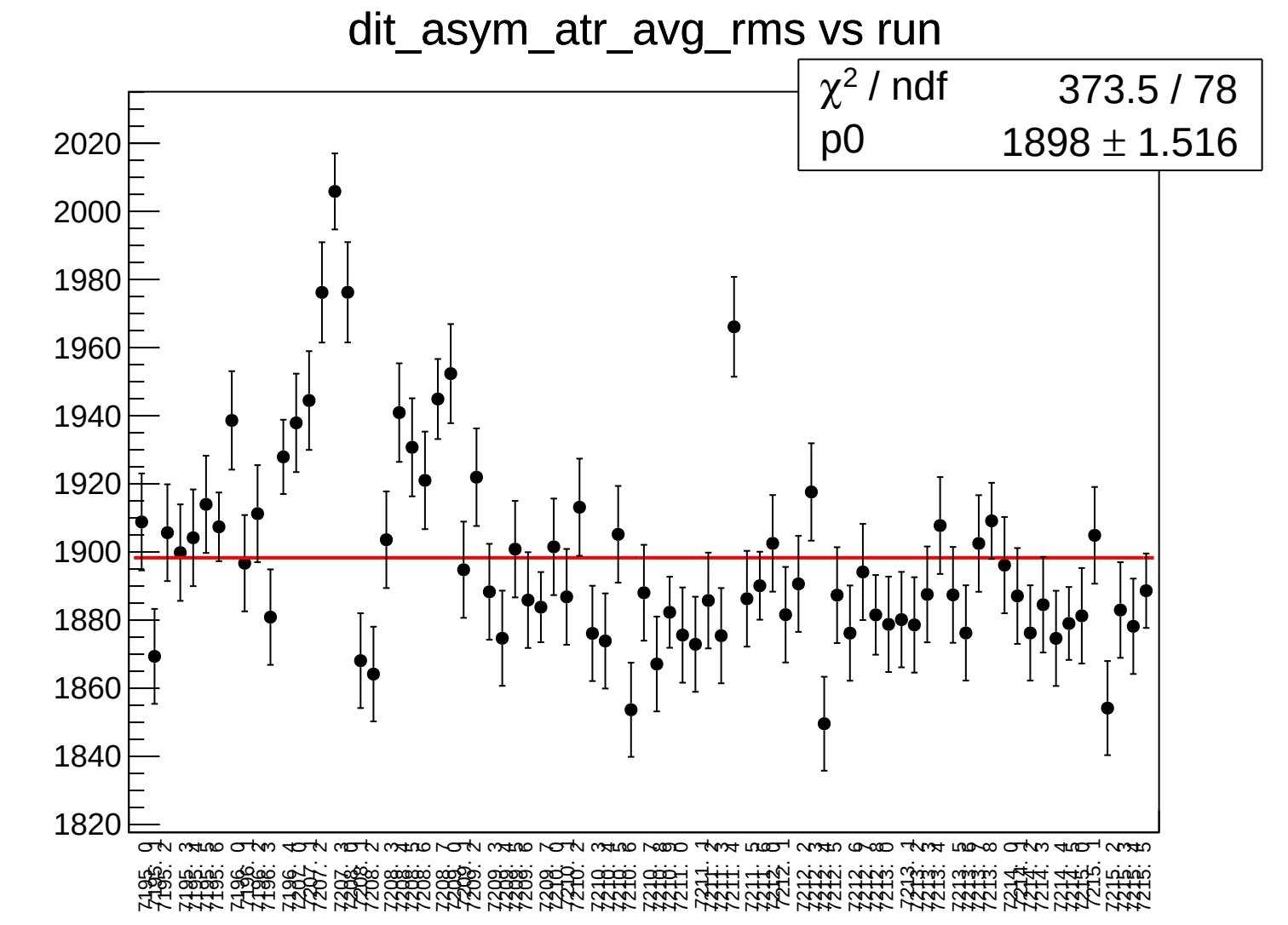

asym_atl_dd_mean vs run
×10^3
χ² / ndf 65.84 / 78
p0 1.214e+04 ± 5650
150
100
50
0
−50
−100
−150
pull
Entries 79
Mean −29.88
Std Dev 60.92
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

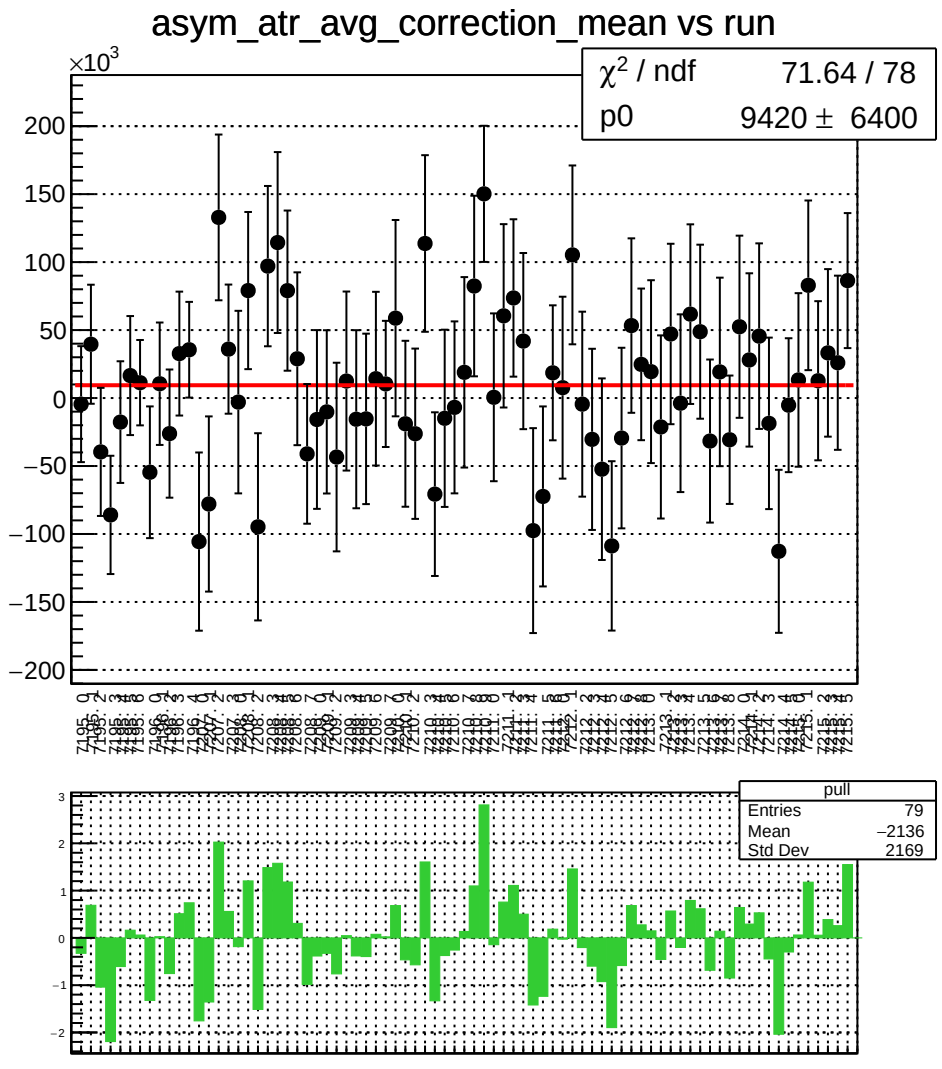

pull1D
Entries 79
Mean −0.02132
Std Dev 0.9126
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

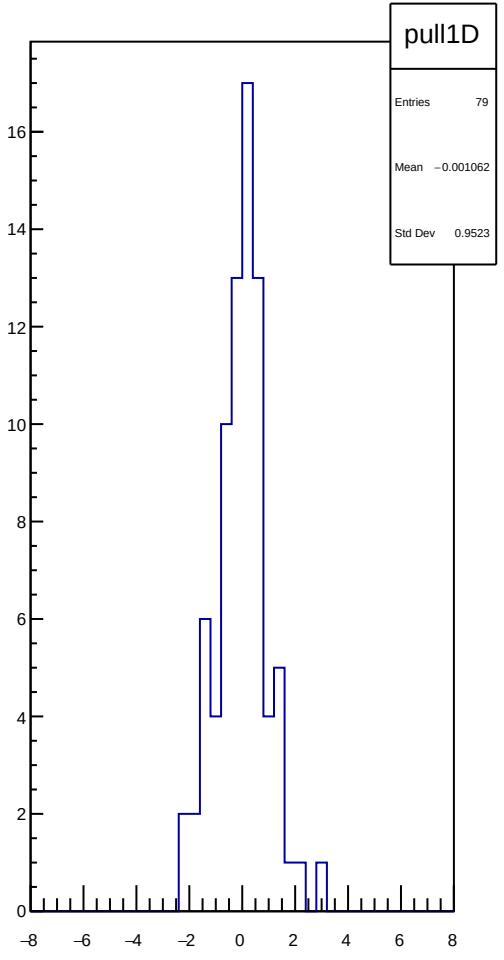

asym_atl_dd_rms vs run
χ² / ndf 4600 / 78
p0 4996 ± 3.995
5800
5600
5400
5200
5000
4800
4600
4400

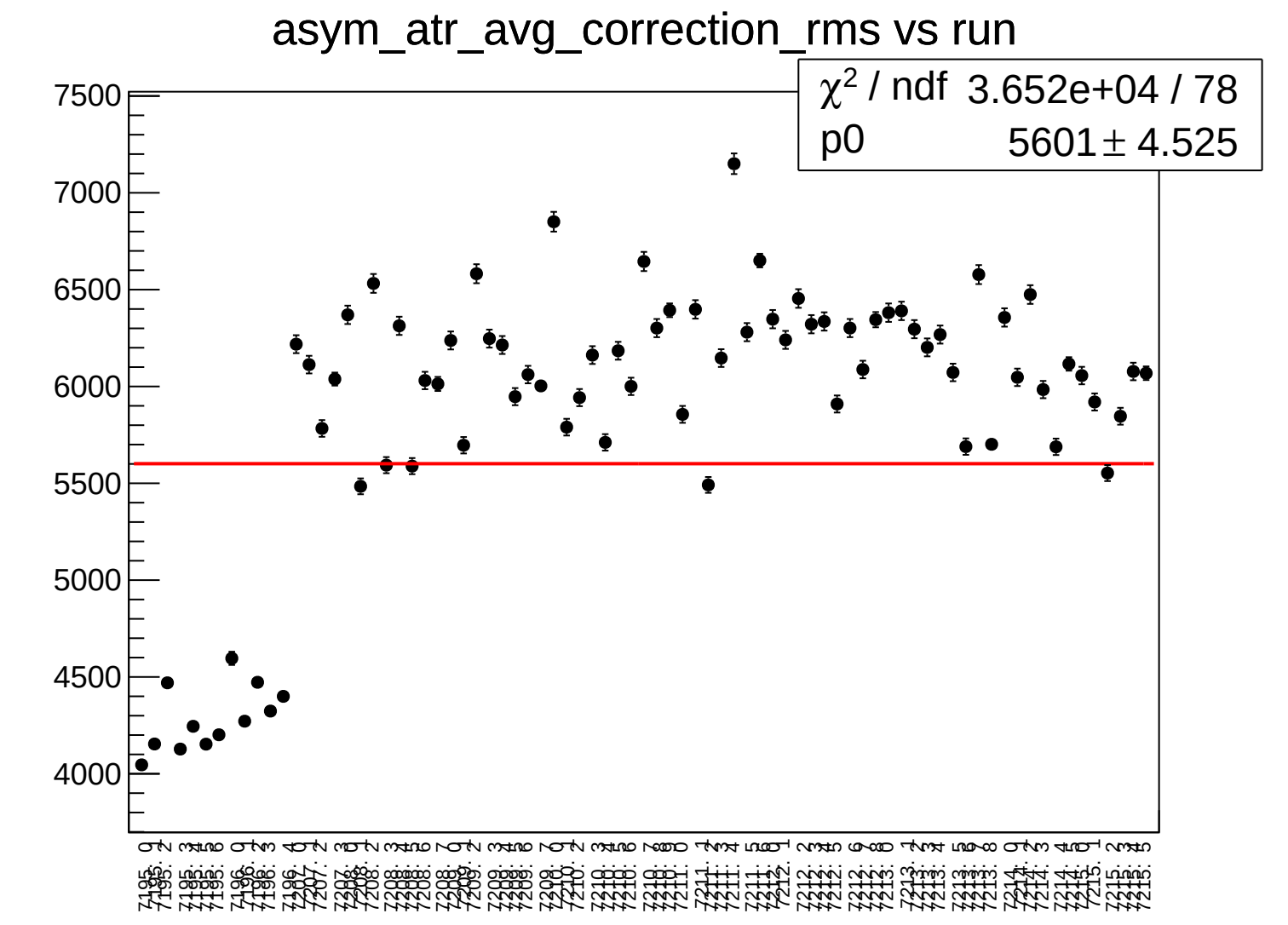

dit_asym_atr_avg_mean vs run
χ² / ndf 79.22 / 78
p0 2807 ± 2144
pull
Entries 79
Mean 3497
Std Dev 3449

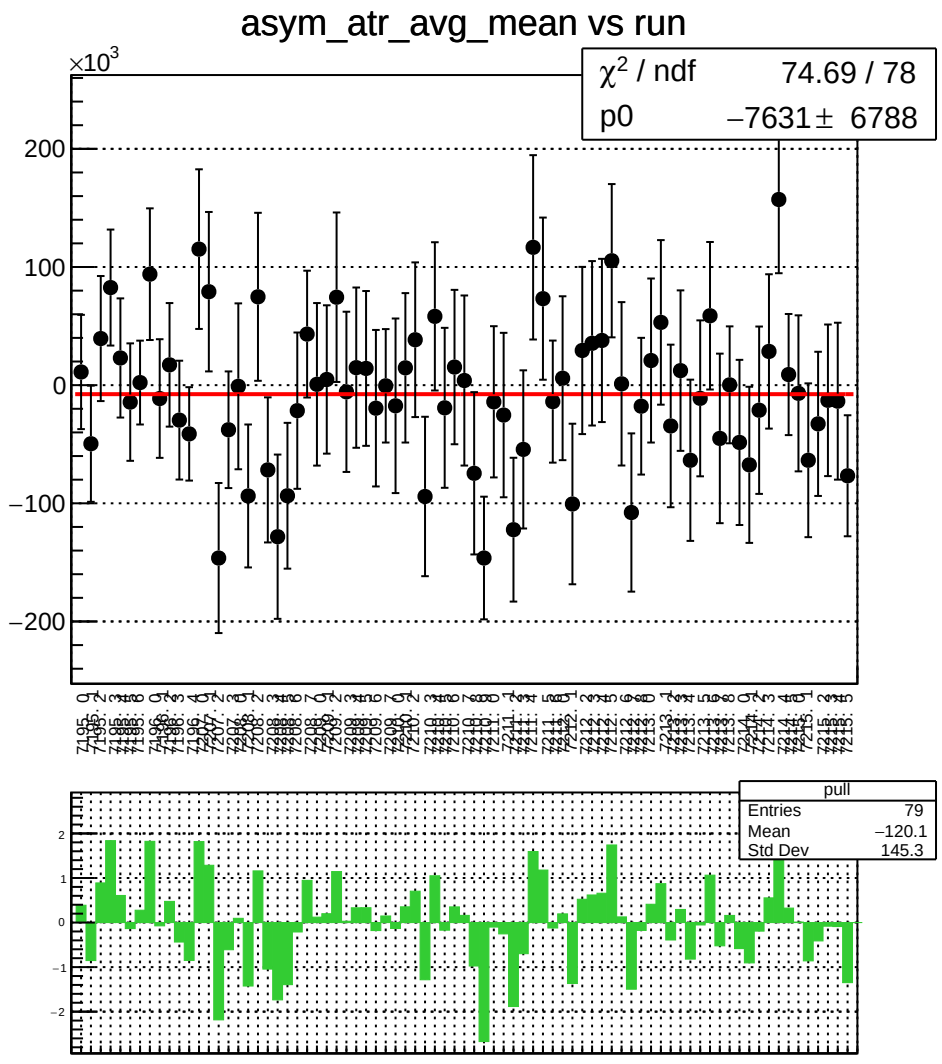

pull1D
Entries 79
Mean 0.0005534
Std Dev 1.001

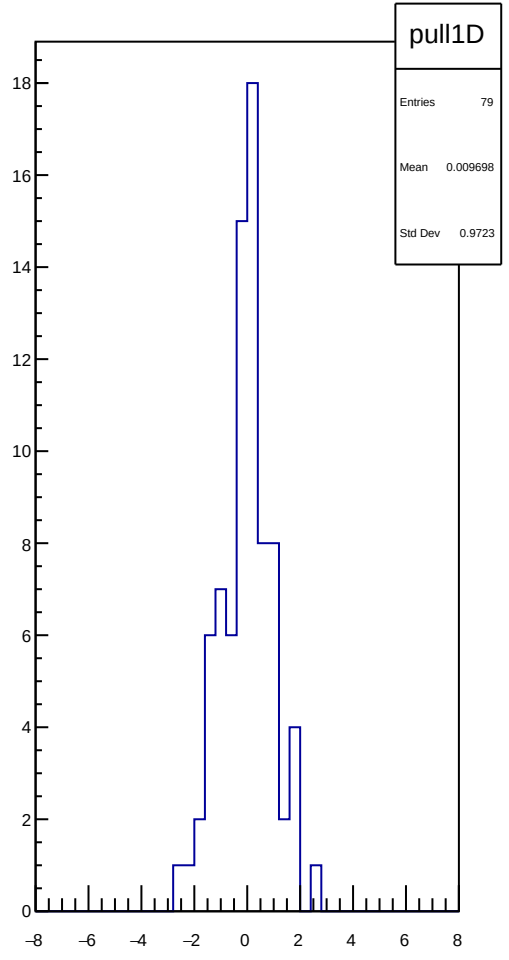

dit_asym_atr_avg_rms vs run
χ² / ndf 373.5 / 78
p0 1898 ± 1.516
2020
2000
1980
1960
1940
1920
1900
1880
1860
1840
1820

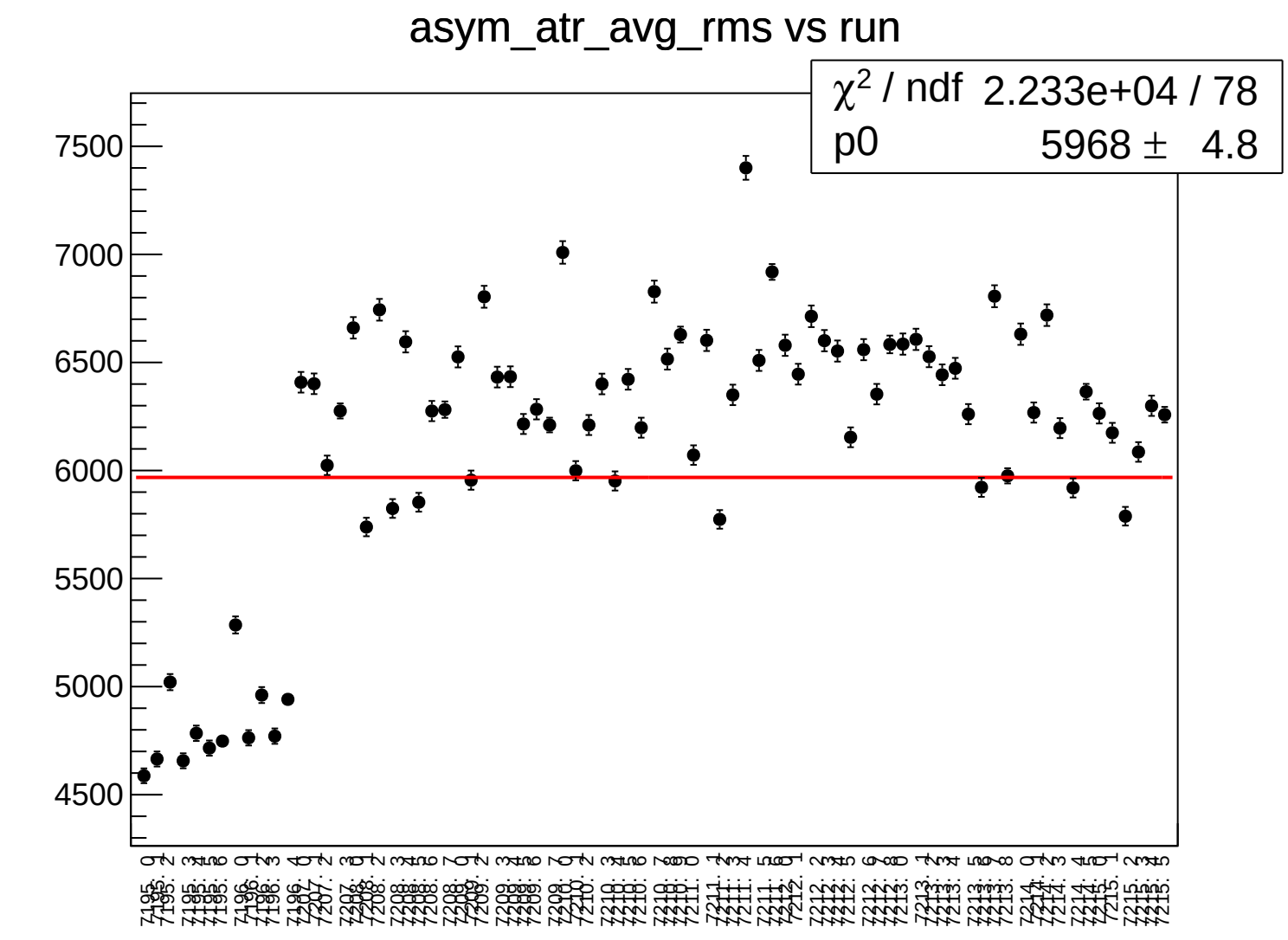

asym_atr_avg_correction_mean vs run
×10^3
χ^2 / ndf 71.64 / 78
p0 9420 ± 6400
pull
Entries 79
Mean −2136
Std Dev 2169

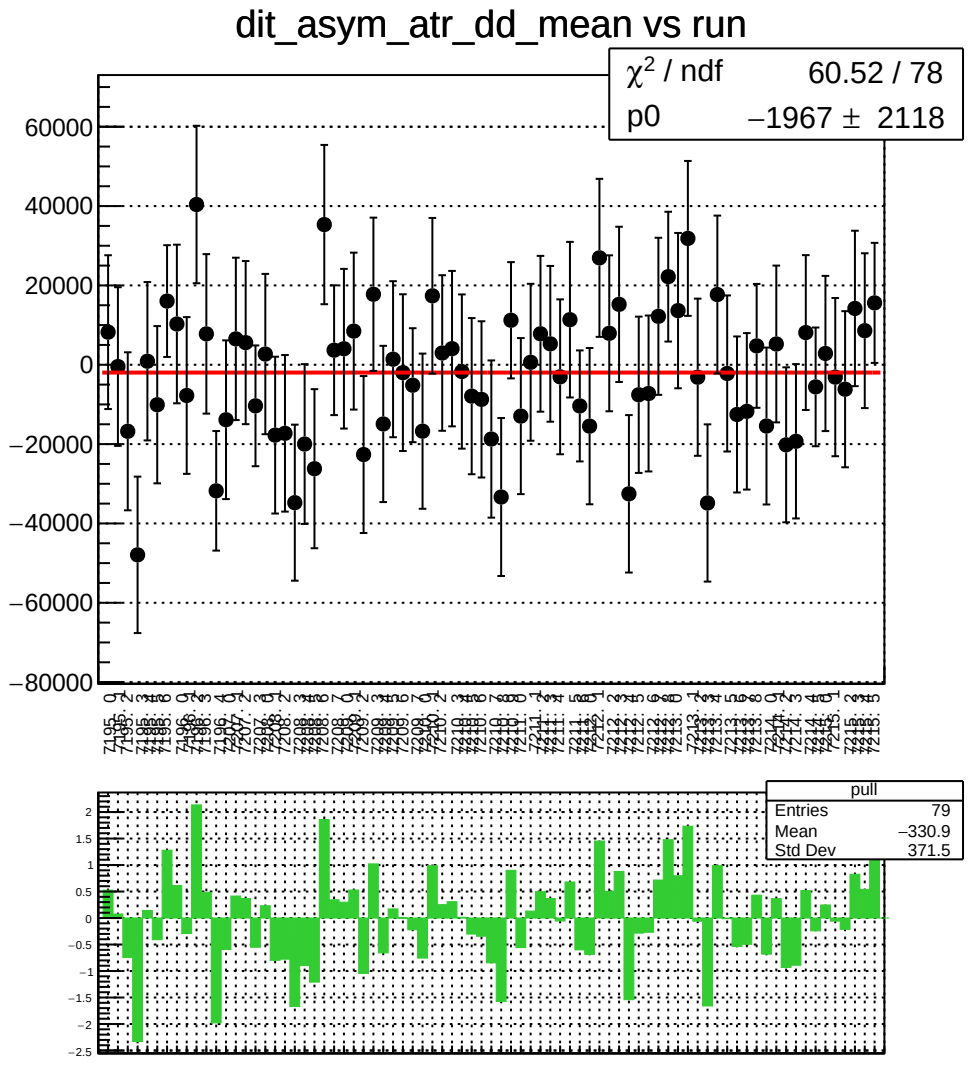

pull1D
Entries 79
Mean −0.001062
Std Dev 0.9523

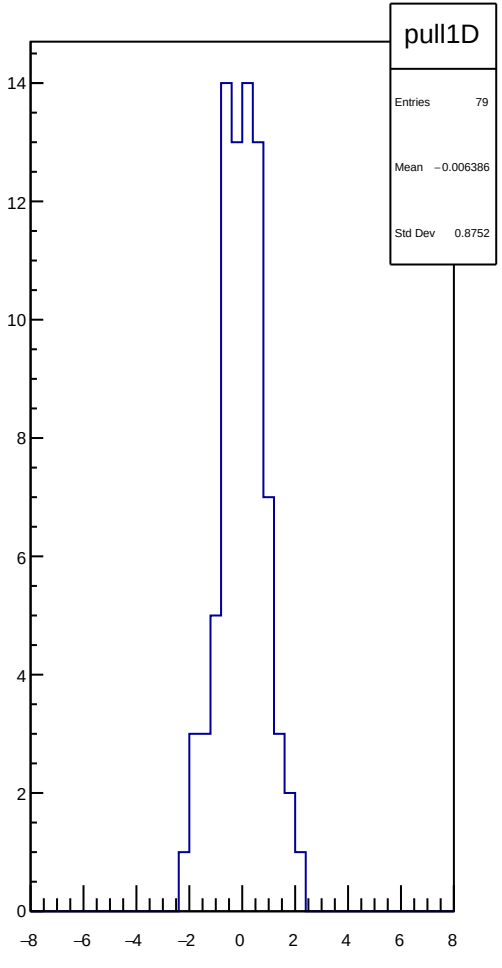

asym_atr_avg_correction_rms vs run
χ² / ndf 3.652e+04 / 78
p0 5601 ± 4.525
7500
7000
6500
6000
5500
5000
4500
4000

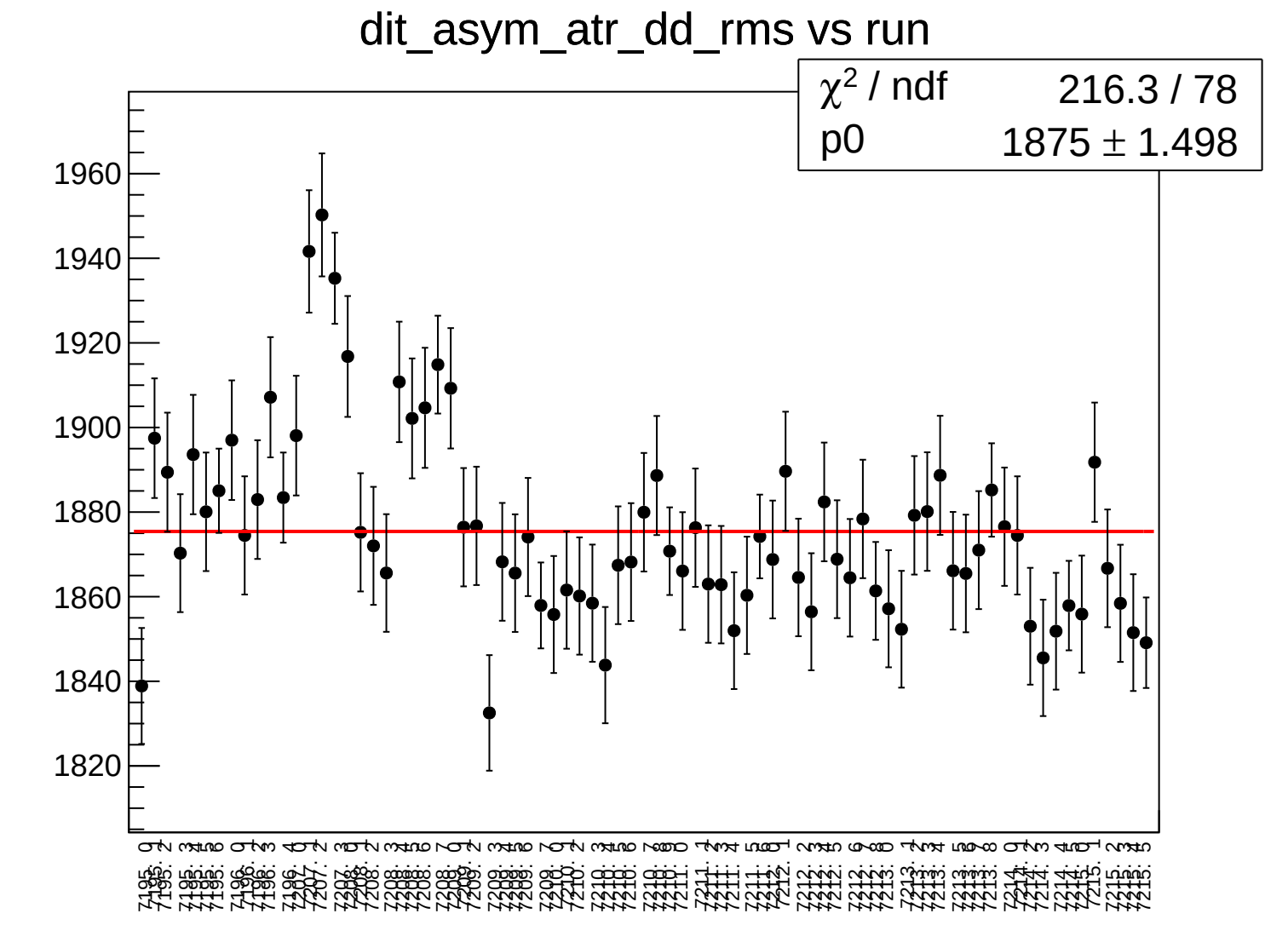

asym_atr_avg_mean vs run
×10^3
χ² / ndf 74.69 / 78
p0 −7631 ± 6788
200
100
0
−100
−200
pull
Entries 79
Mean −120.1
Std Dev 145.3
2
1
0
−1
−2

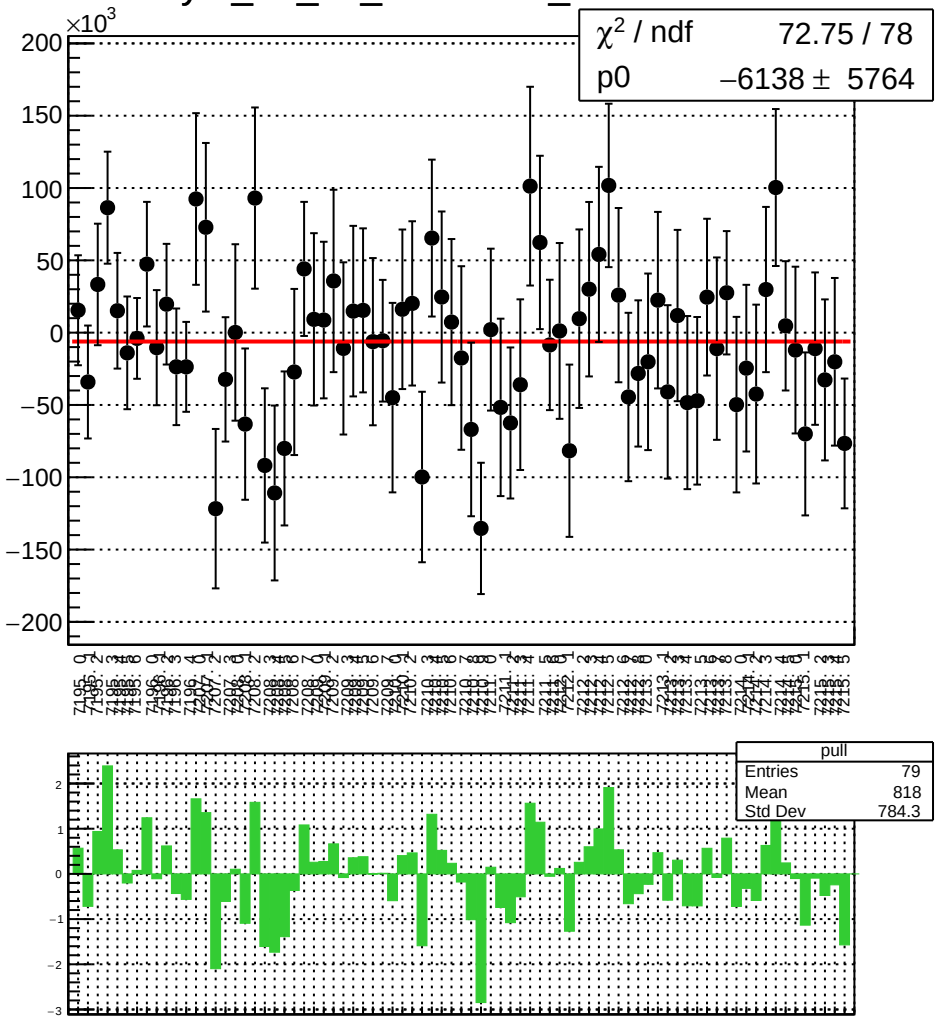

pull1D
Entries 79
Mean 0.009698
Std Dev 0.9723
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

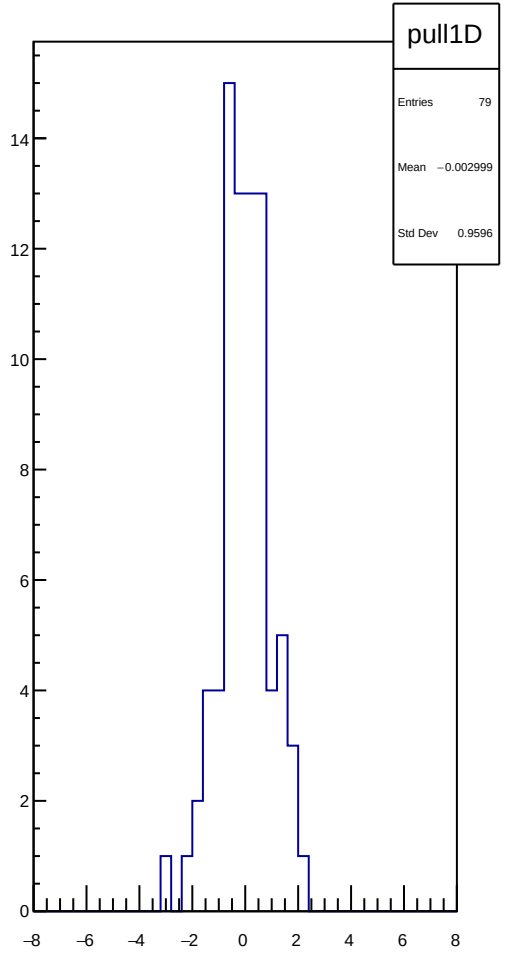

asym_atr_avg_rms vs run
χ^2 / ndf 2.233e+04 / 78
p0 5968 ± 4.8
7500
7000
6500
6000
5500
5000
4500

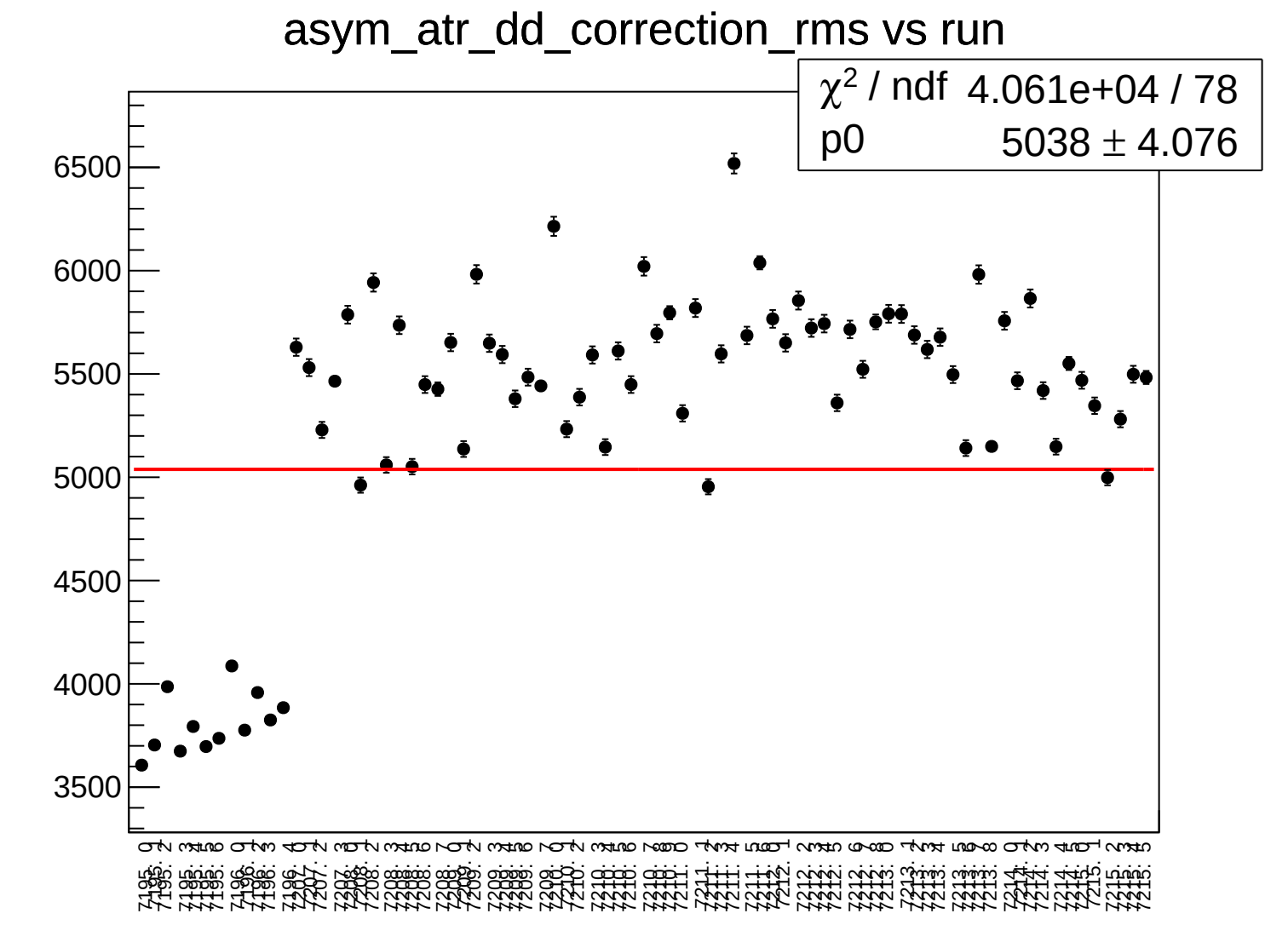

dit_asym_atr_dd_mean vs run
χ² / ndf 60.52 / 78
p0 −1967 ± 2118
pull
Entries 79
Mean −330.9
Std Dev 371.5

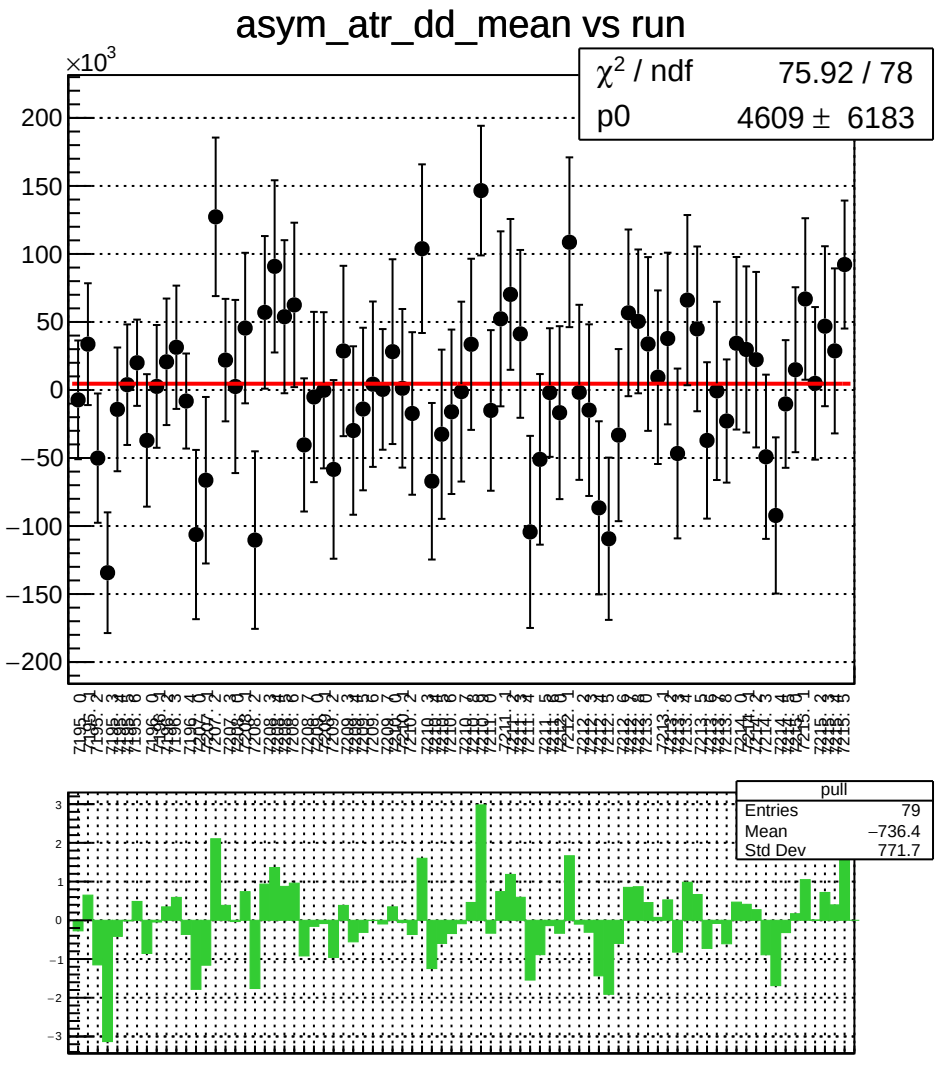

pull1D
Entries 79
Mean −0.006386
Std Dev 0.8752

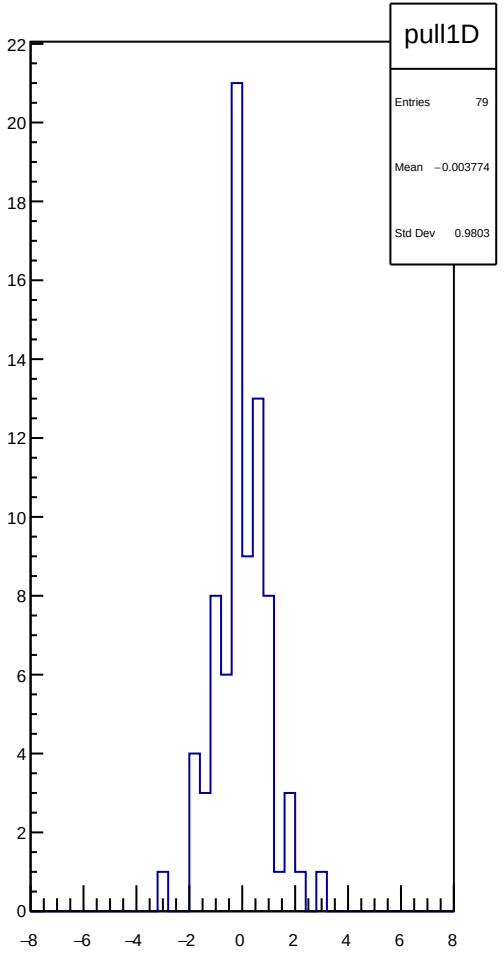

dit_asym_atr_dd_rms vs run
χ² / ndf 216.3 / 78
p0 1875 ± 1.498
1960
1940
1920
1900
1880
1860
1840
1820

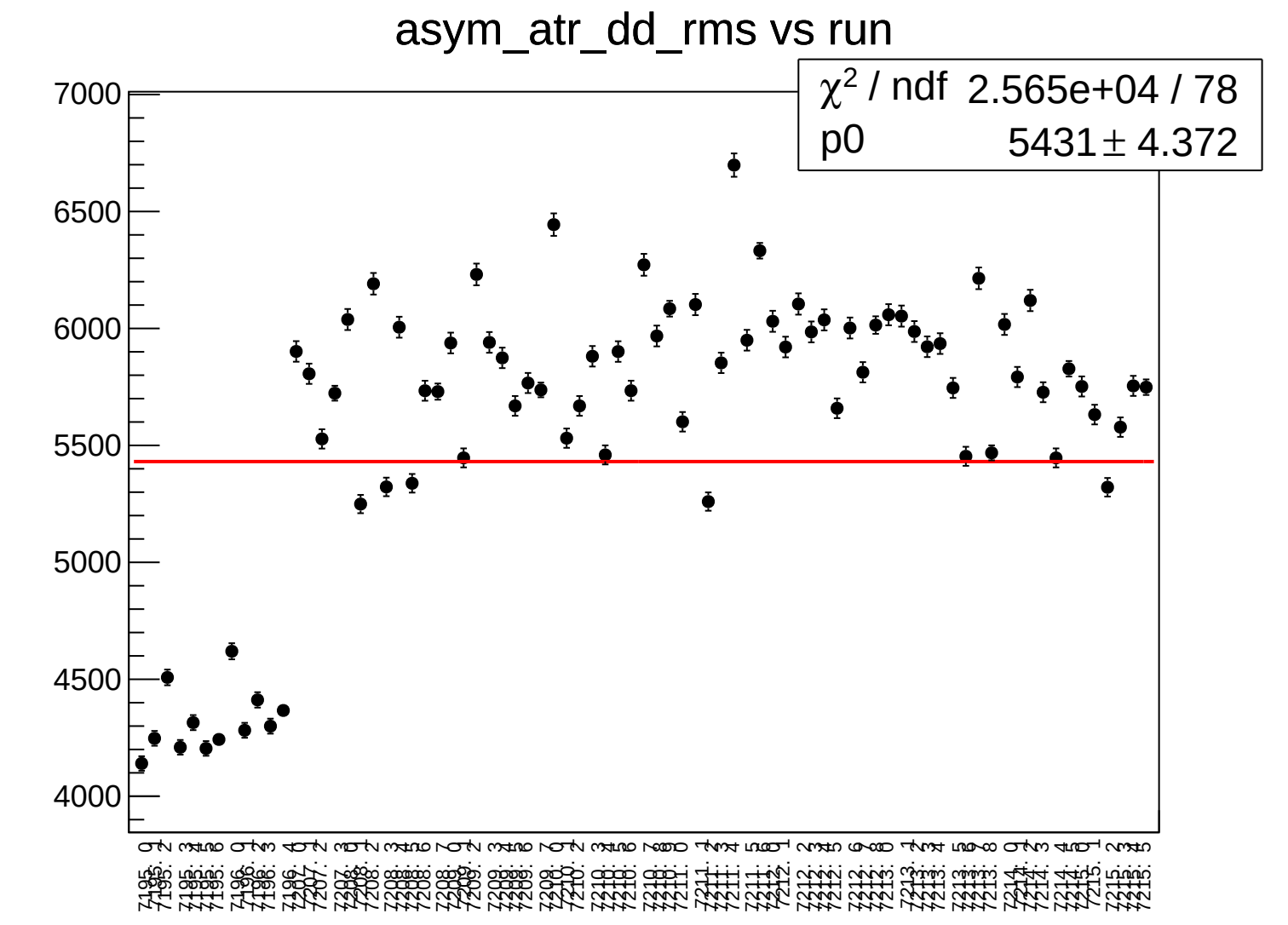

asym_atr_dd_correction_mean vs run
χ² / ndf 72.75 / 78
p0 −6138 ± 5764
pull
Entries 79
Mean 818
Std Dev 784.3

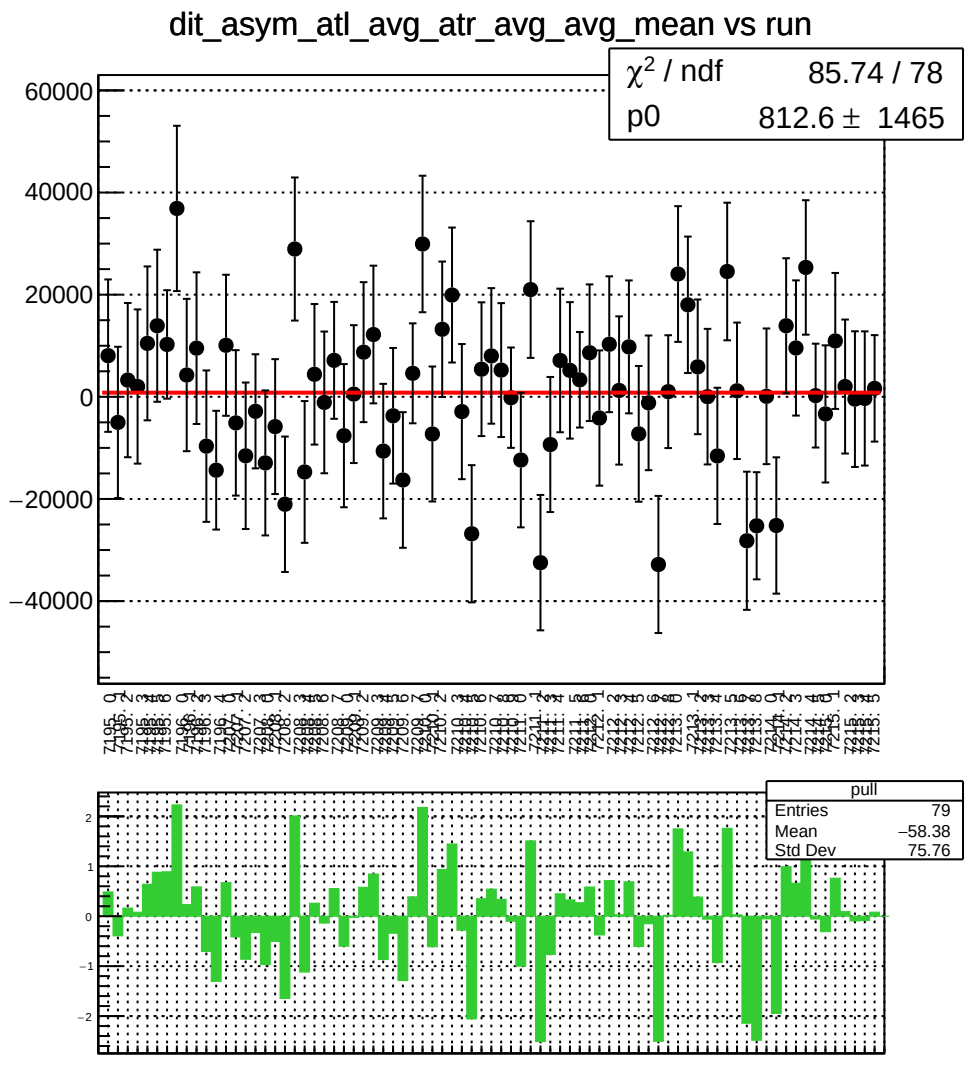

pull1D
Entries 79
Mean −0.002999
Std Dev 0.9596

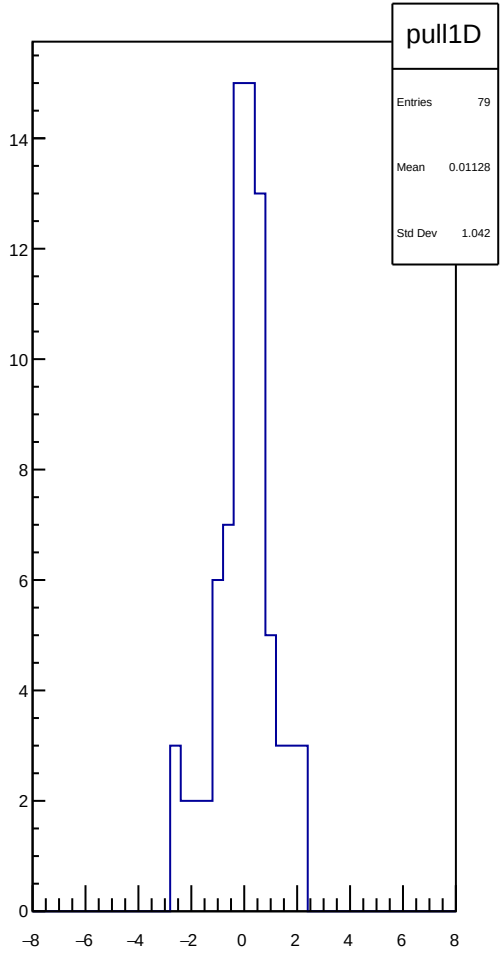

asym_atr_dd_correction_rms vs run
χ² / ndf 4.061e+04 / 78
p0 5038 ± 4.076
6500
6000
5500
5000
4500
4000
3500

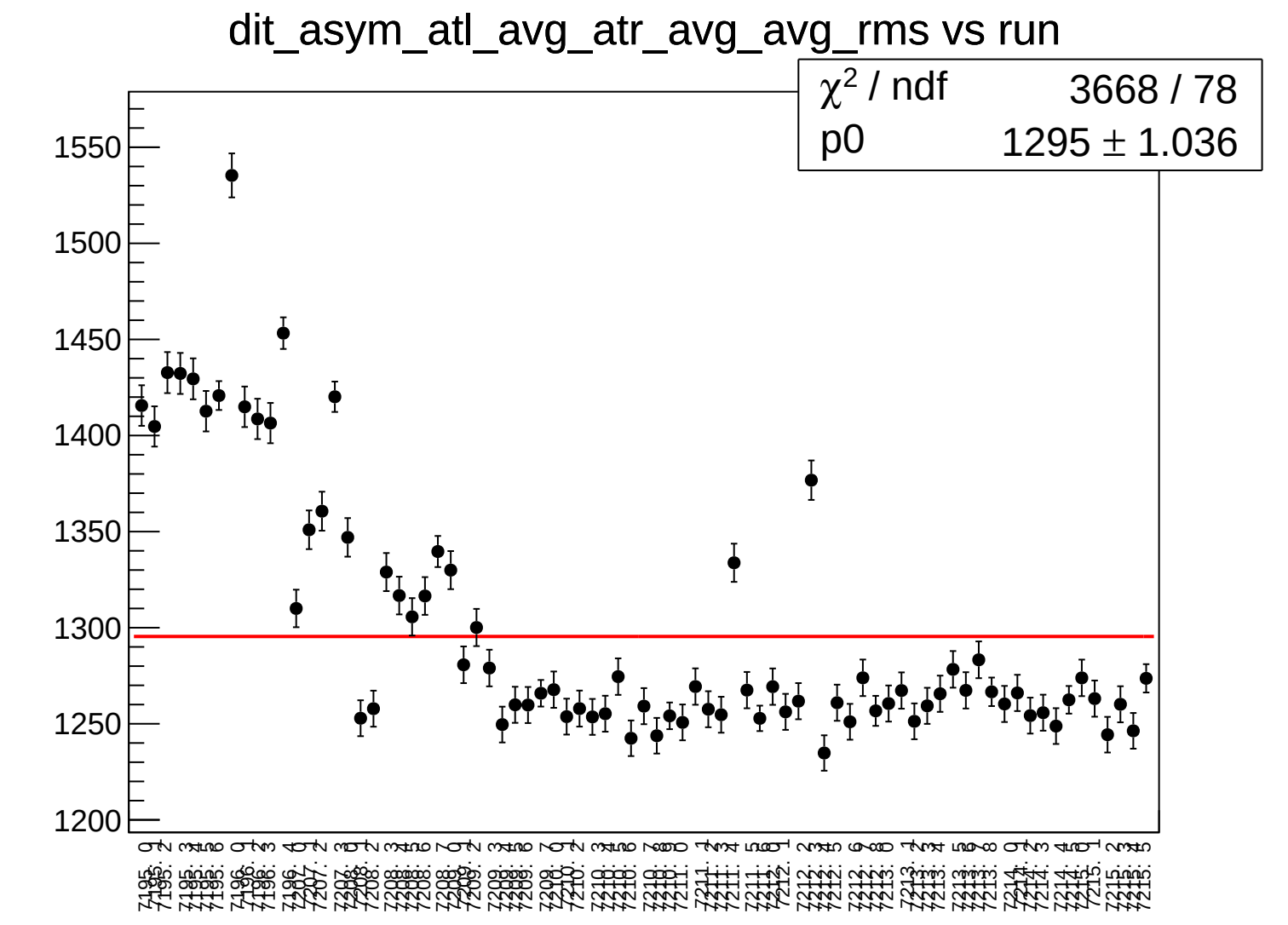

asym_atr_dd_mean vs run
×10^3
χ² / ndf 75.92 / 78
p0 4609 ± 6183
pull
Entries 79
Mean −736.4
Std Dev 771.7

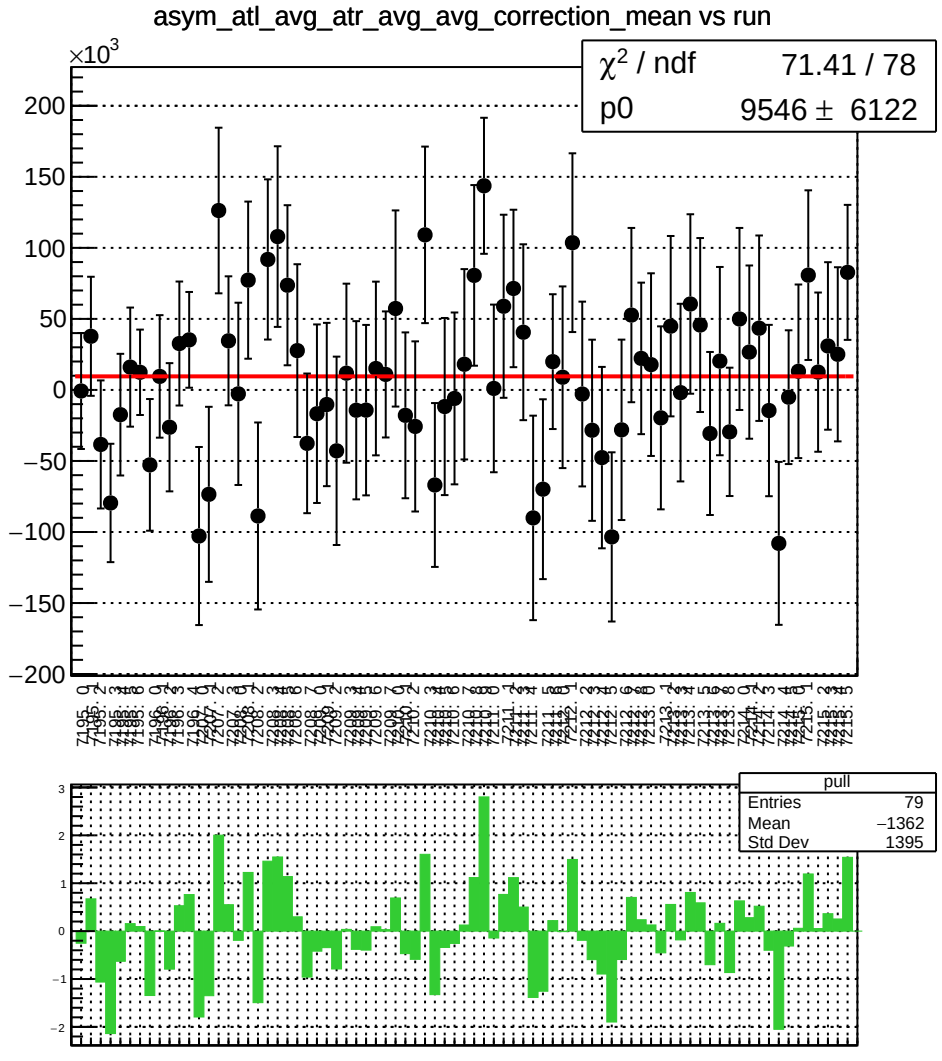

pull1D
Entries 79
Mean −0.003774
Std Dev 0.9803

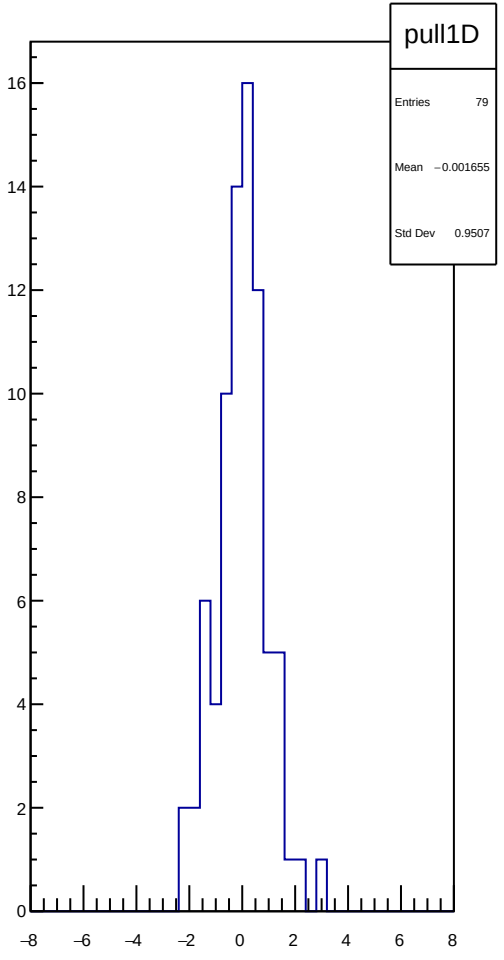

asym_atr_dd_rms vs run
χ^2 / ndf 2.565e+04 / 78
p0 5431 ± 4.372
7000
6500
6000
5500
5000
4500
4000

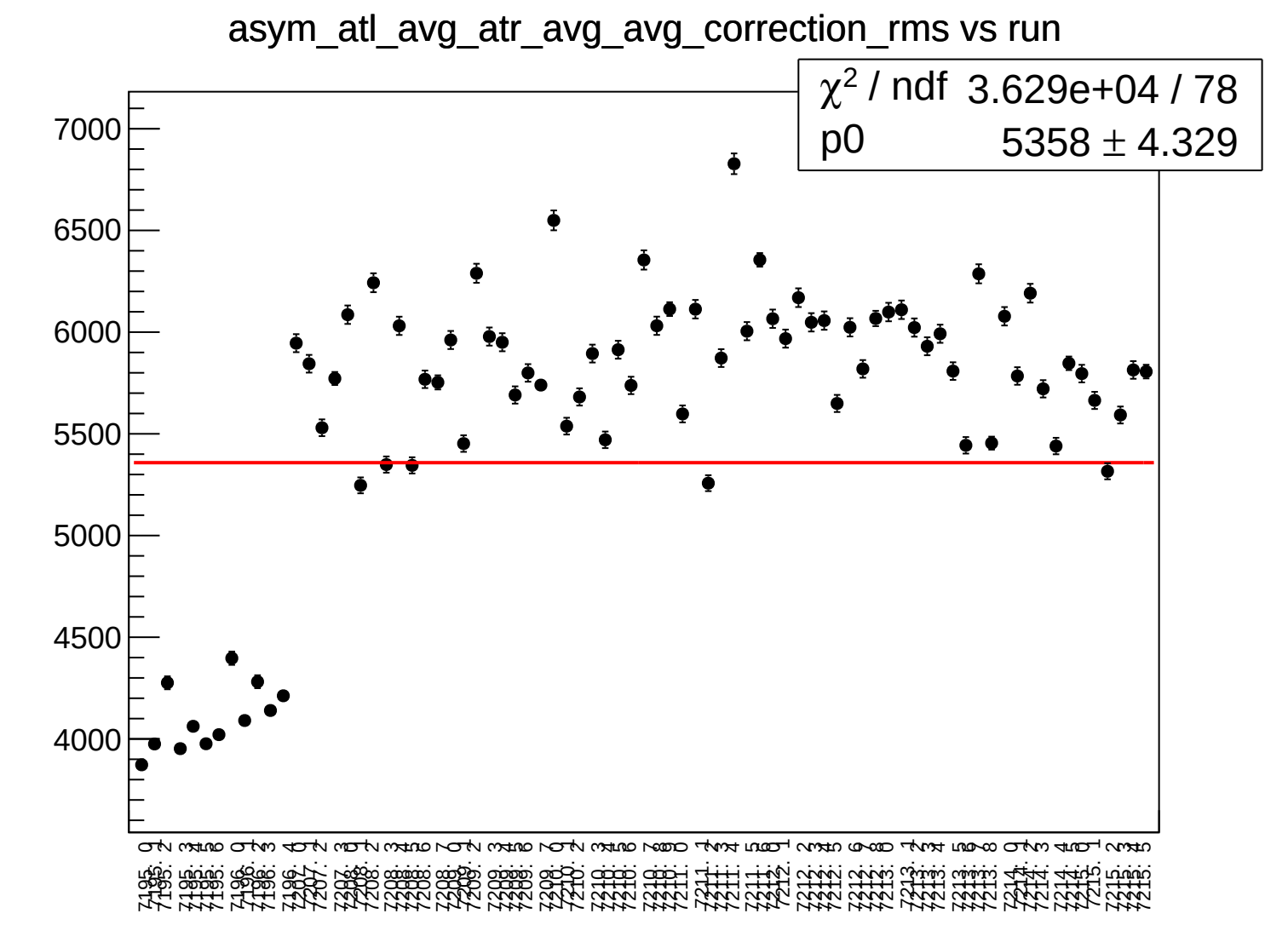

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 85.74 / 78
p0 812.6 ± 1465
60000
40000
20000
0
−20000
−40000
pull
Entries 79
Mean −58.38
Std Dev 75.76
2
1
0
−1
−2

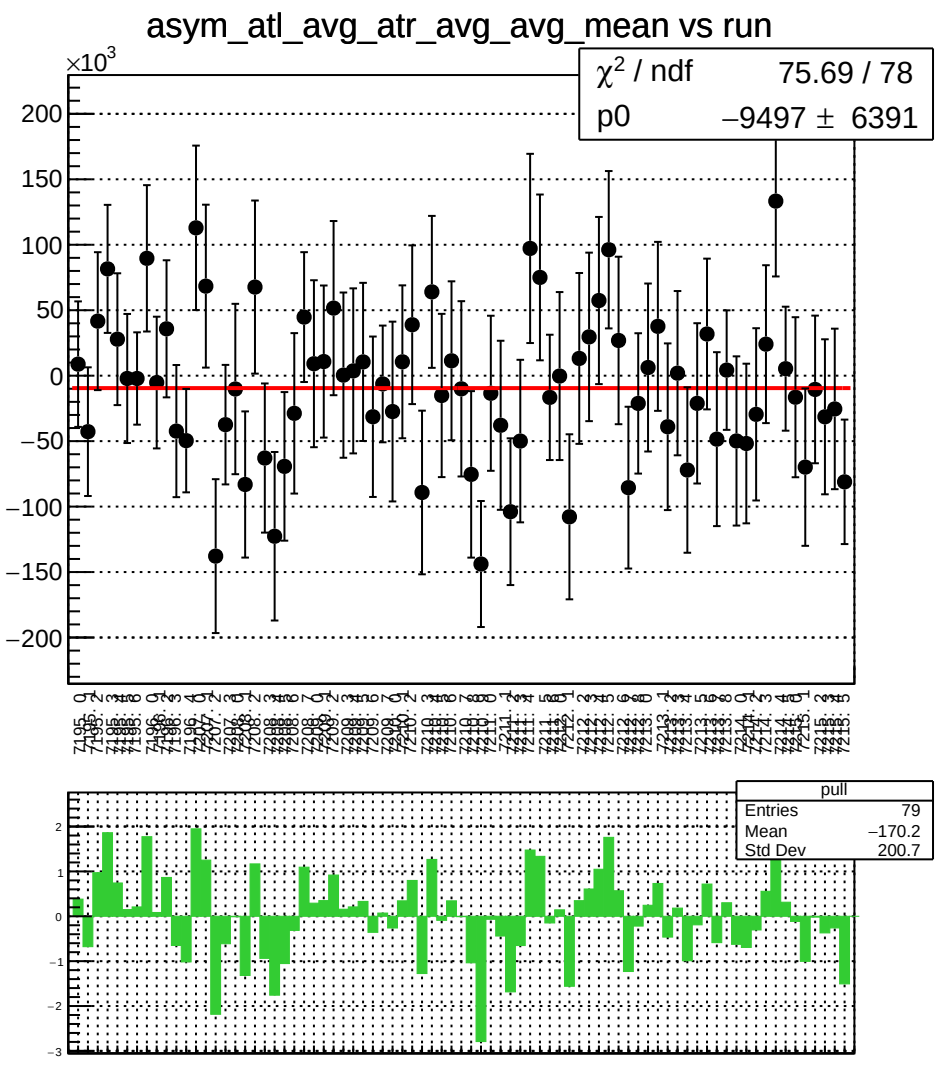

pull1D
Entries 79
Mean 0.01128
Std Dev 1.042
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

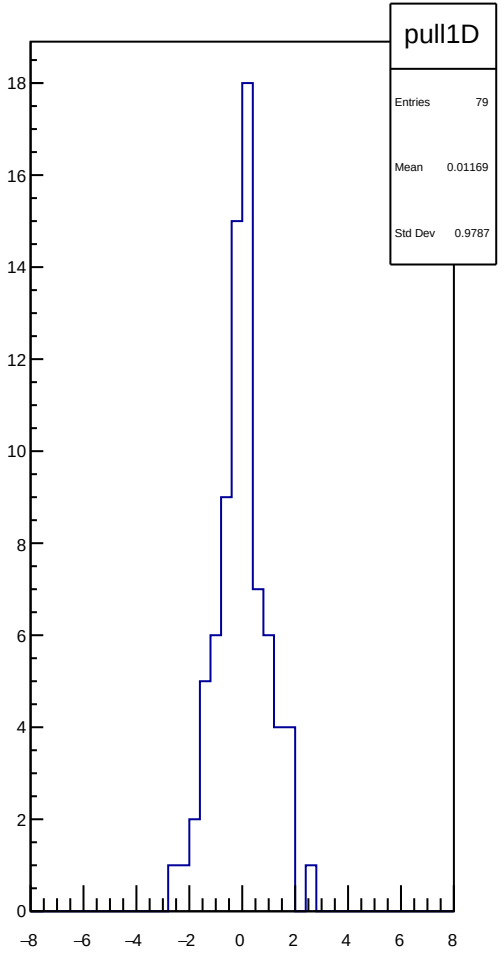

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 3668 / 78
p0 1295 ± 1.036
1550
1500
1450
1400
1350
1300
1250
1200

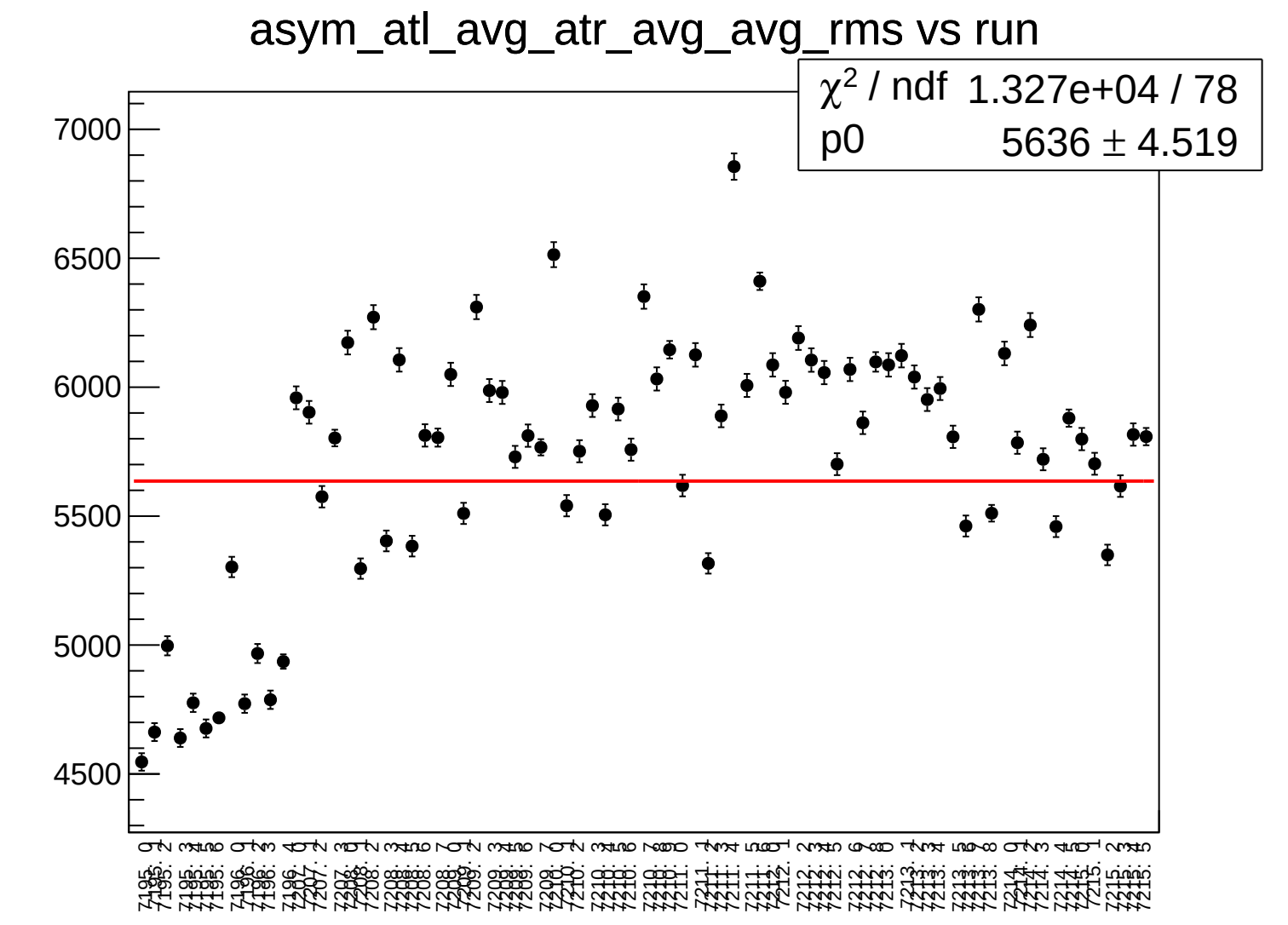

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 71.41 / 78
p0 9546 ± 6122
pull
Entries 79
Mean −1362
Std Dev 1395

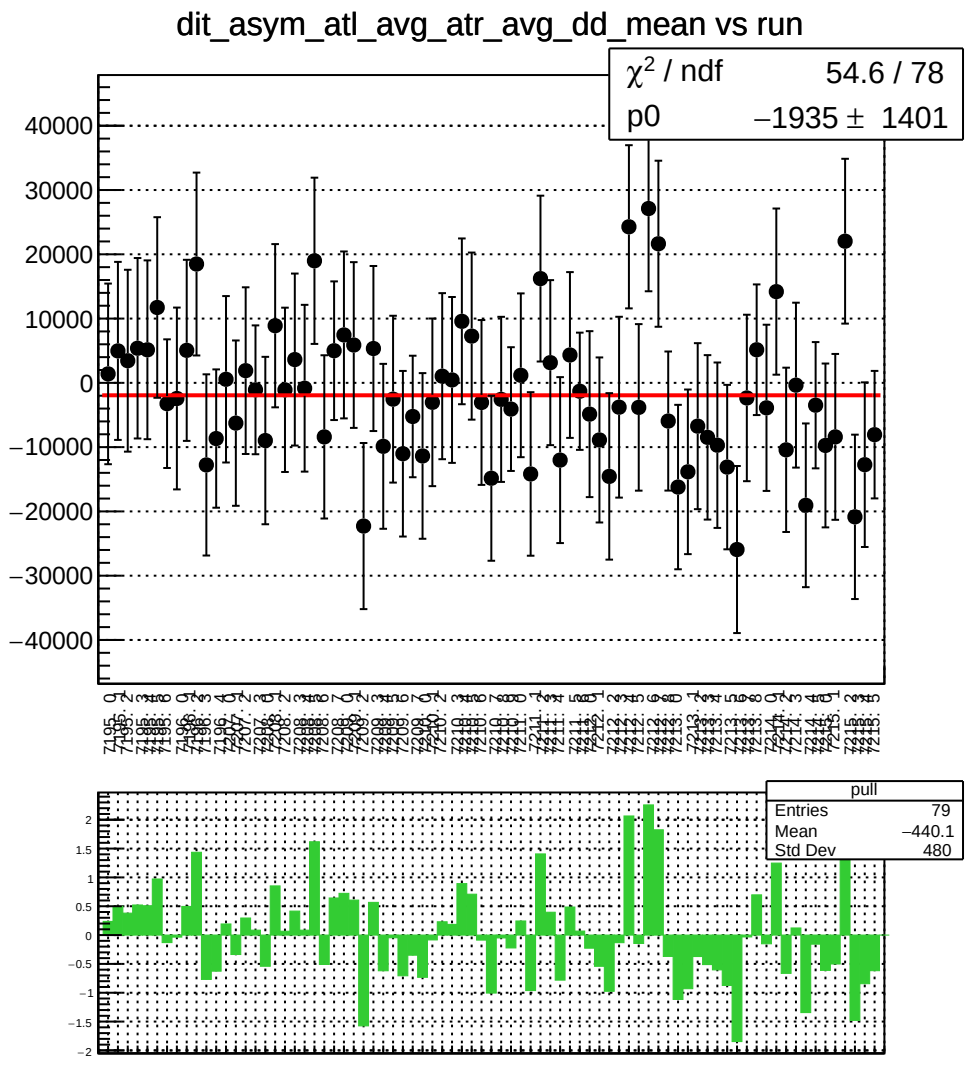

pull1D
Entries 79
Mean −0.001655
Std Dev 0.9507

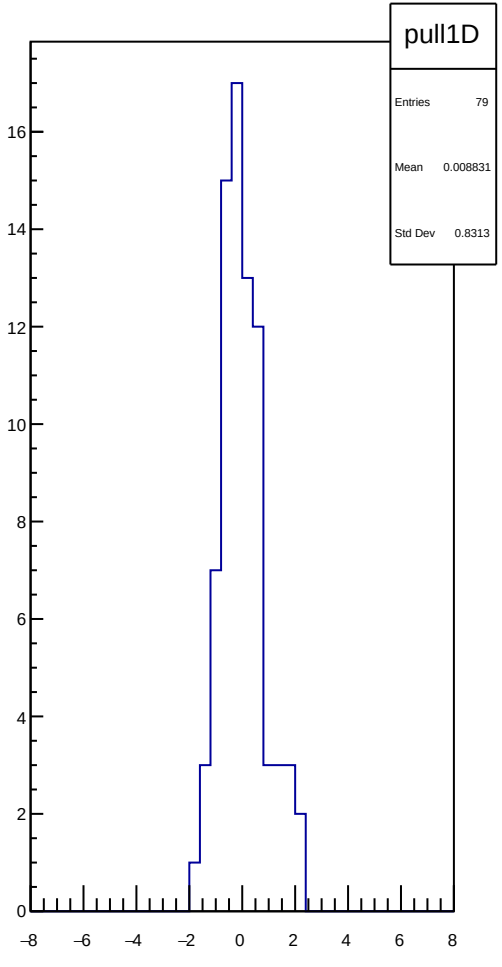

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 3.629e+04 / 78
p0 5358 ± 4.329
7000
6500
6000
5500
5000
4500
4000

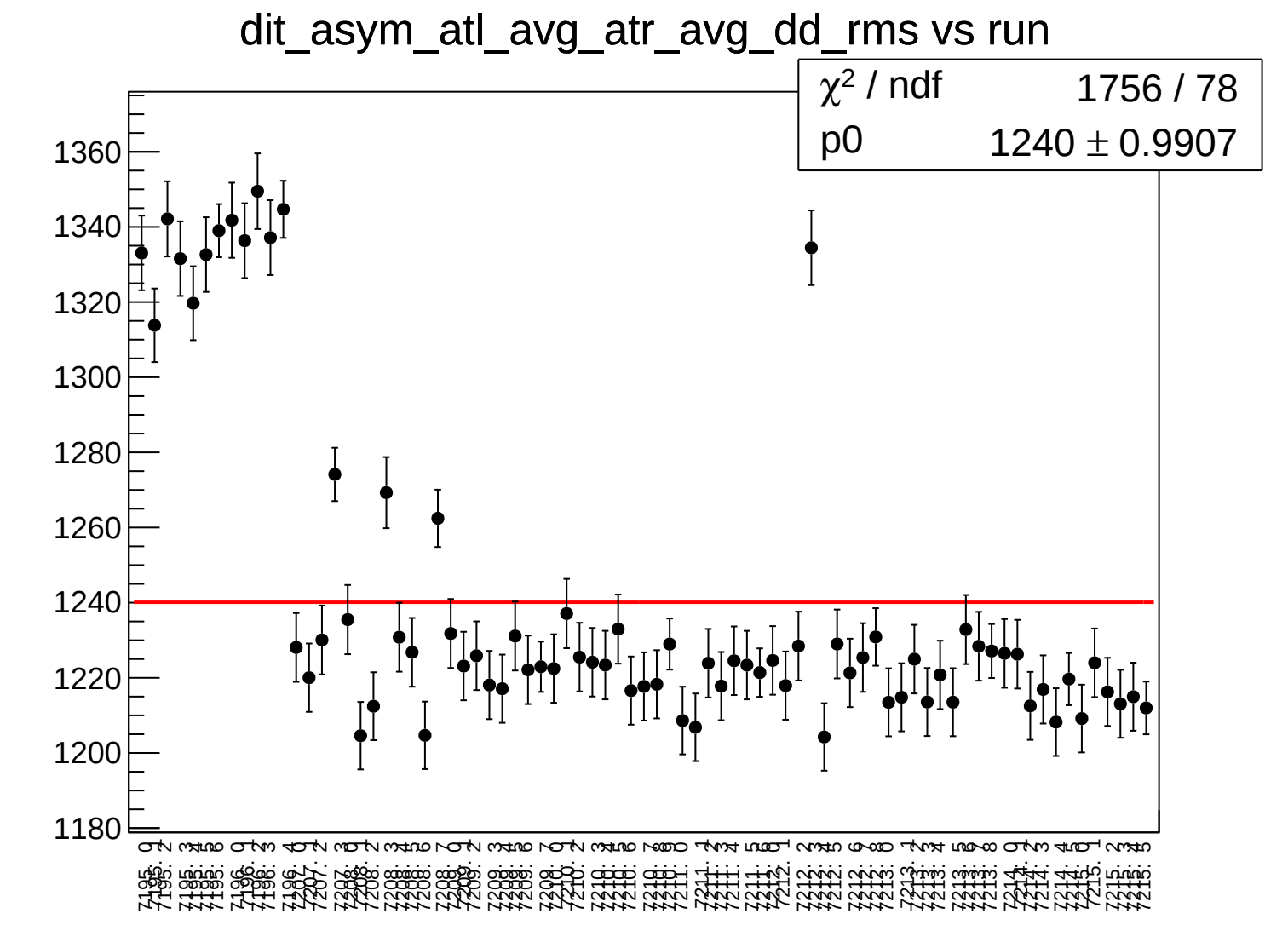

asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 75.69 / 78
p0 −9497 ± 6391
×10³
pull
Entries 79
Mean −170.2
Std Dev 200.7

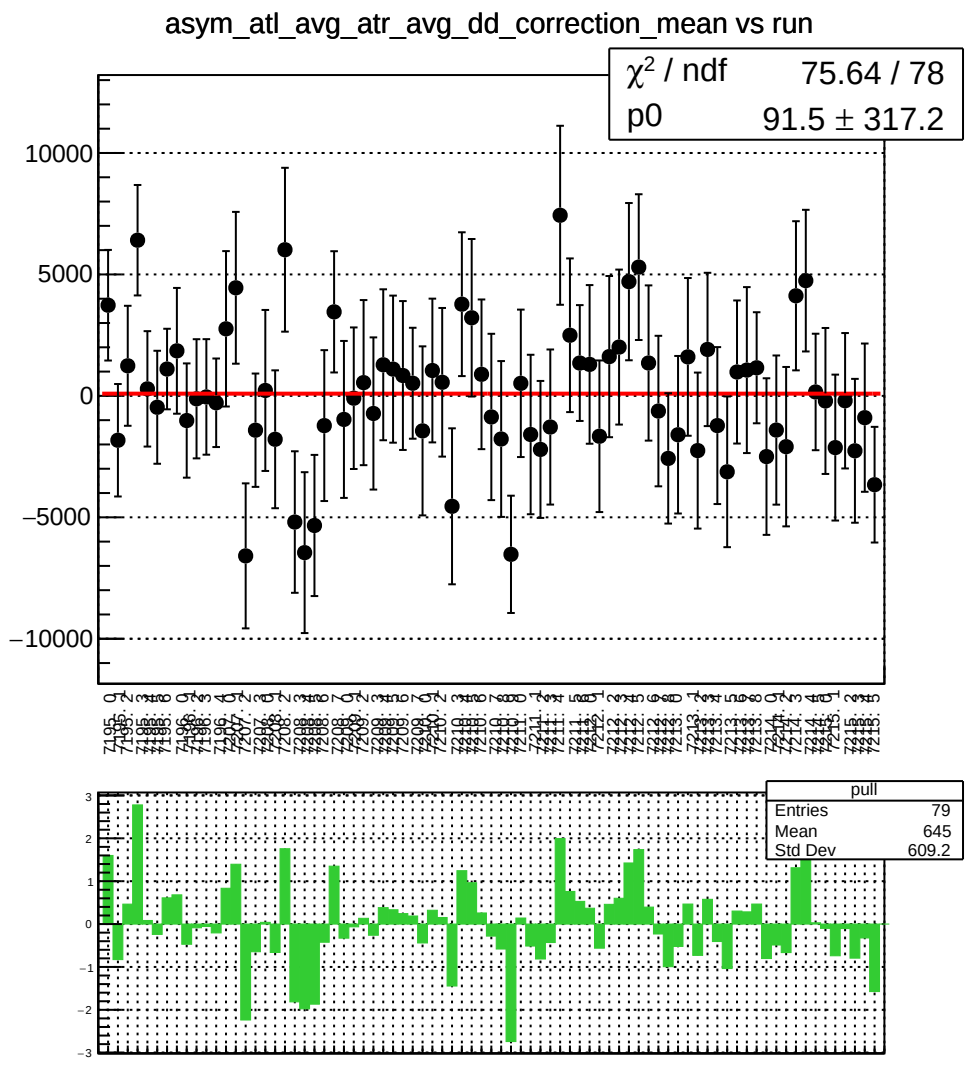

pull1D
Entries 79
Mean 0.01169
Std Dev 0.9787

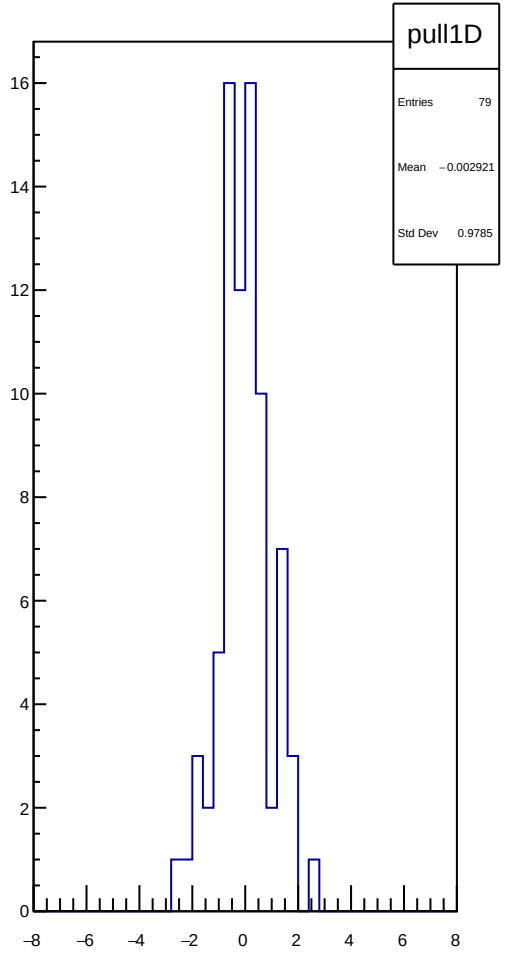

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 1.327e+04 / 78
p0 5636 ± 4.519
7000
6500
6000
5500
5000
4500

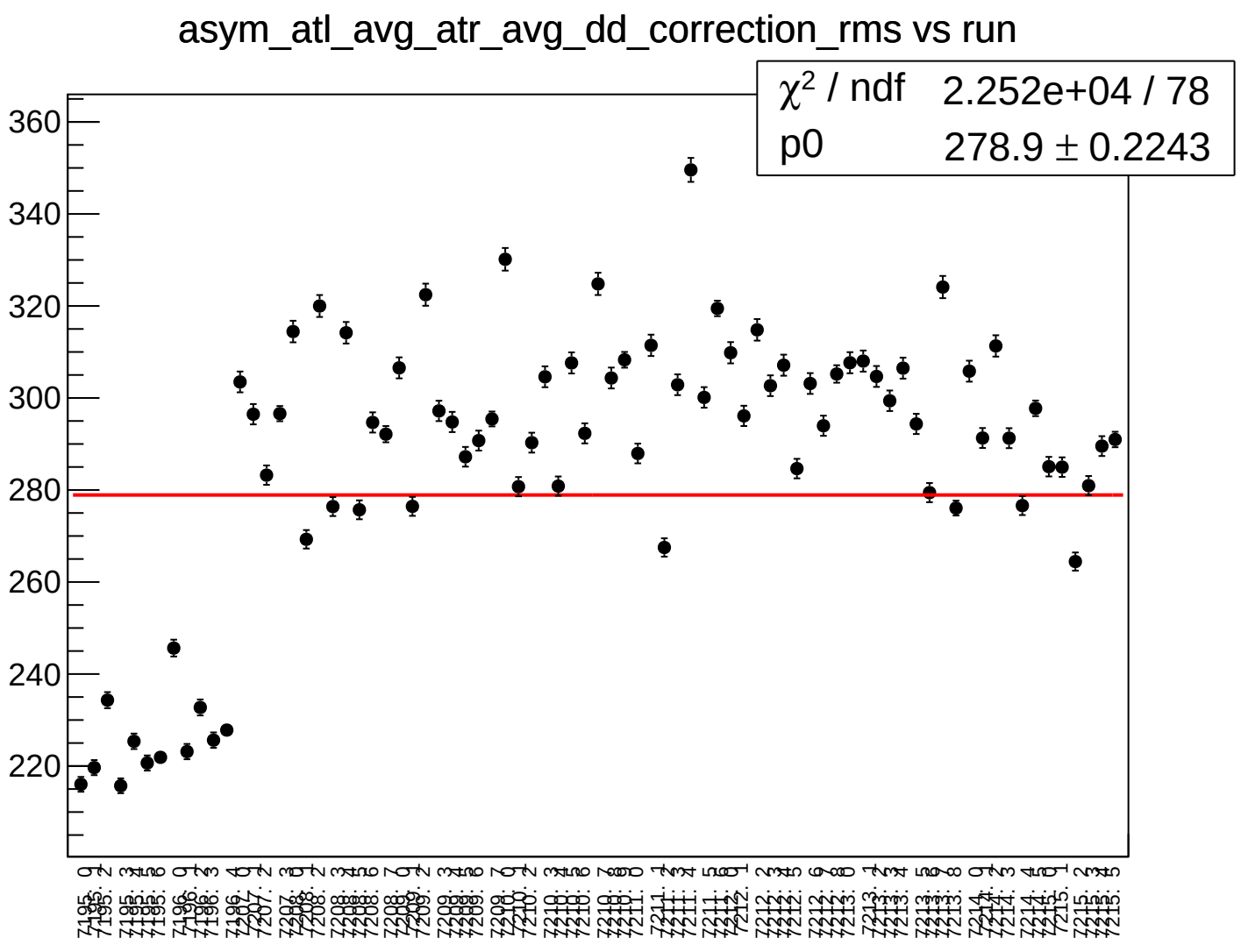

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 54.6 / 78
p0 −1935 ± 1401
pull
Entries 79
Mean −440.1
Std Dev 480

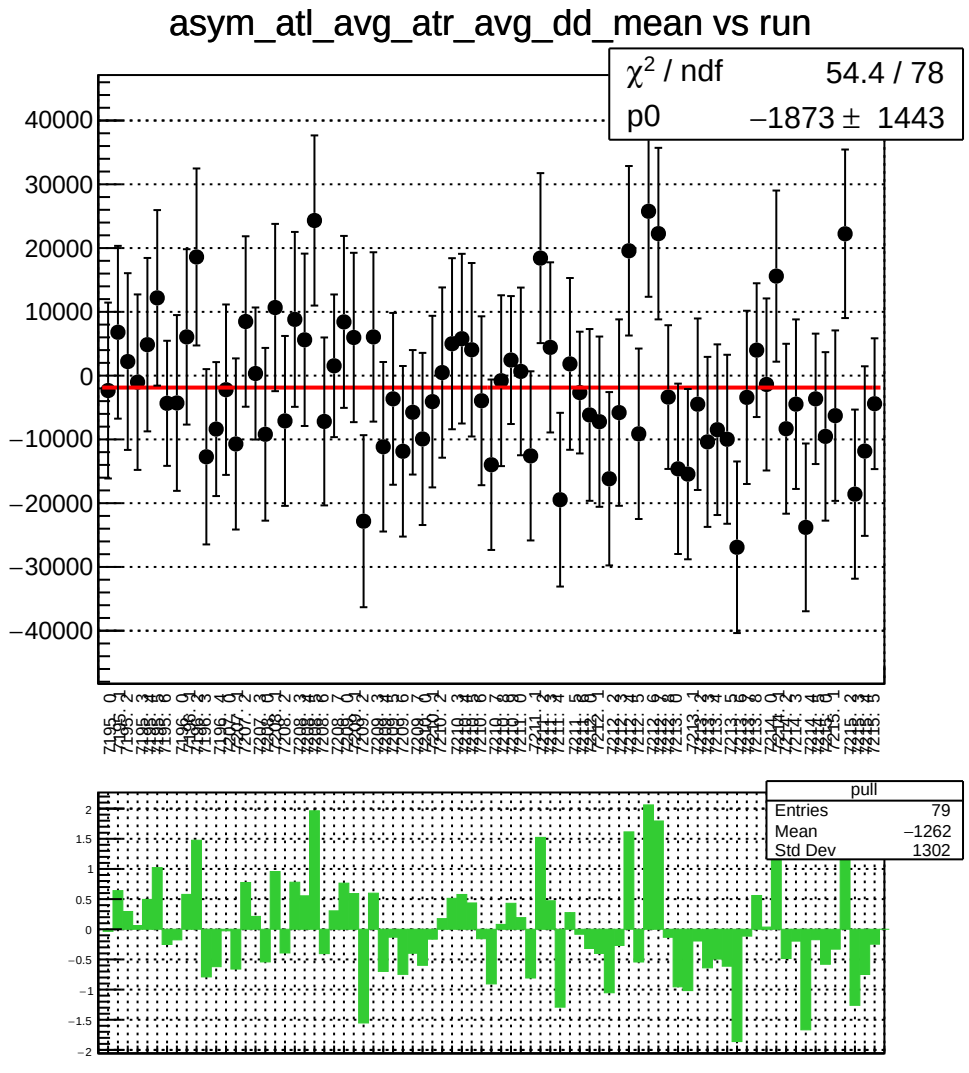

pull1D
Entries 79
Mean 0.008831
Std Dev 0.8313

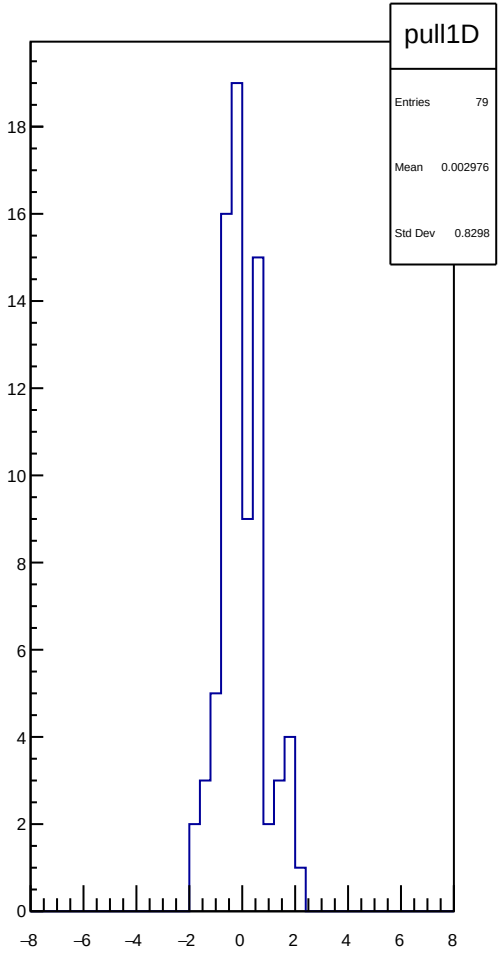

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1756 / 78
p0 1240 ± 0.9907
1360
1340
1320
1300
1280
1260
1240
1220
1200
1180

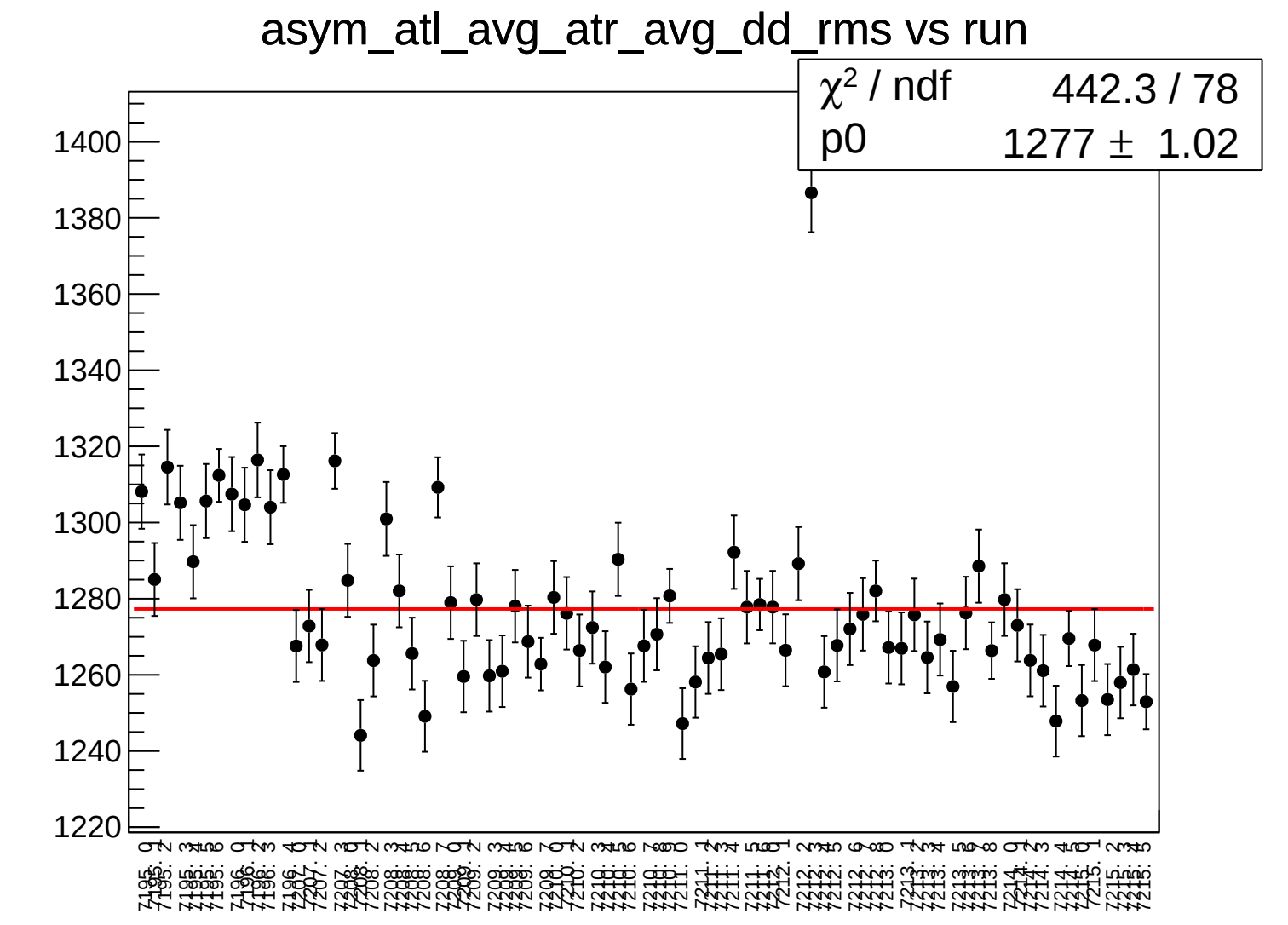

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 75.64 / 78
p0 91.5 ± 317.2
10000
5000
0
−5000
−10000
pull
Entries 79
Mean 645
Std Dev 609.2
3
2
1
0
−1
−2
−3

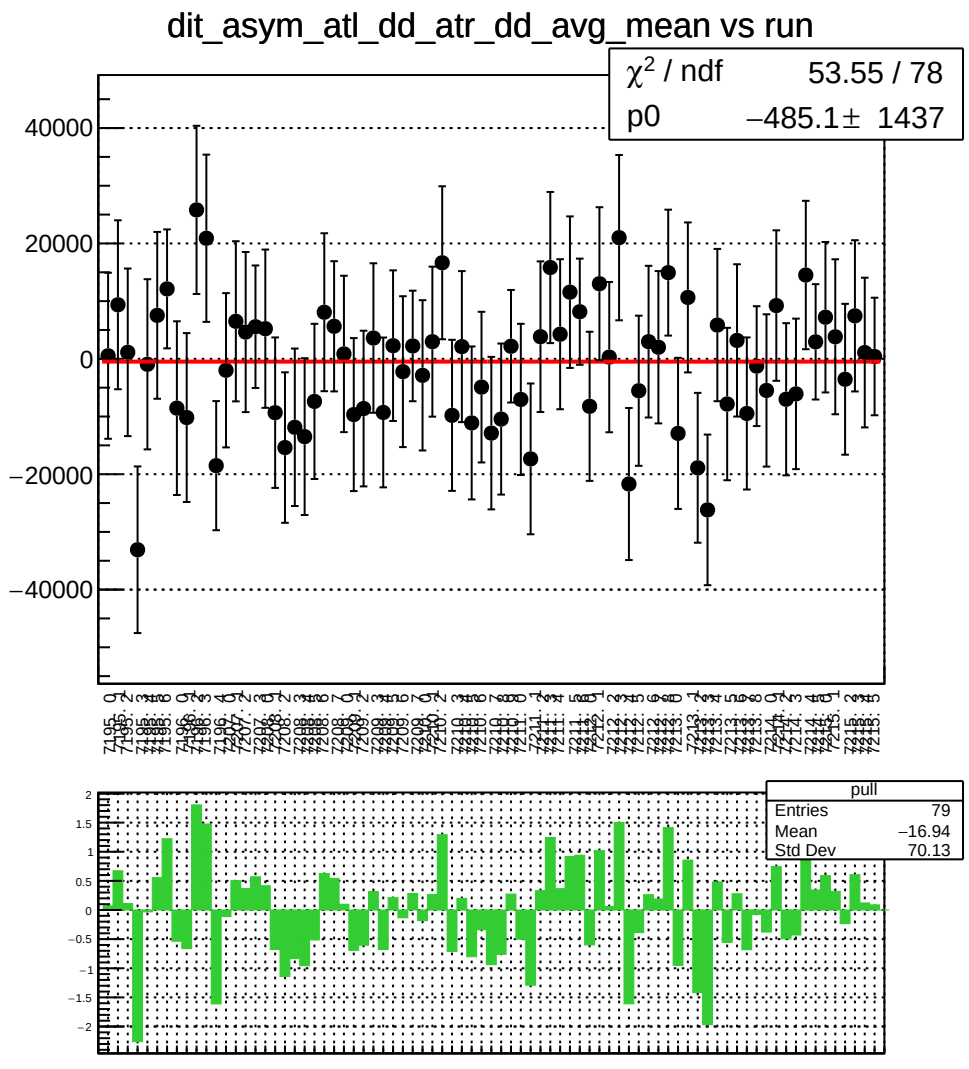

pull1D
Entries 79
Mean −0.002921
Std Dev 0.9785
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

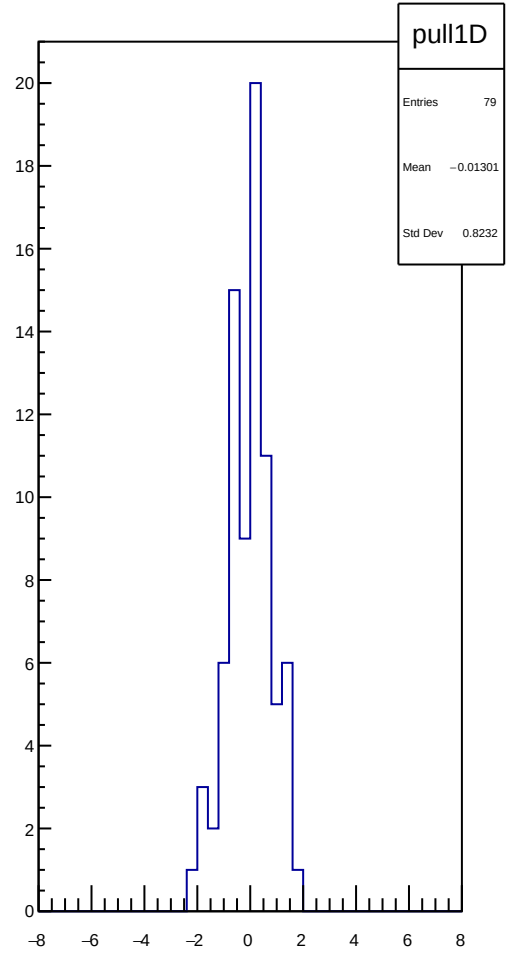

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 2.252e+04 / 78
p0 278.9 ± 0.2243
360
340
320
300
280
260
240
220

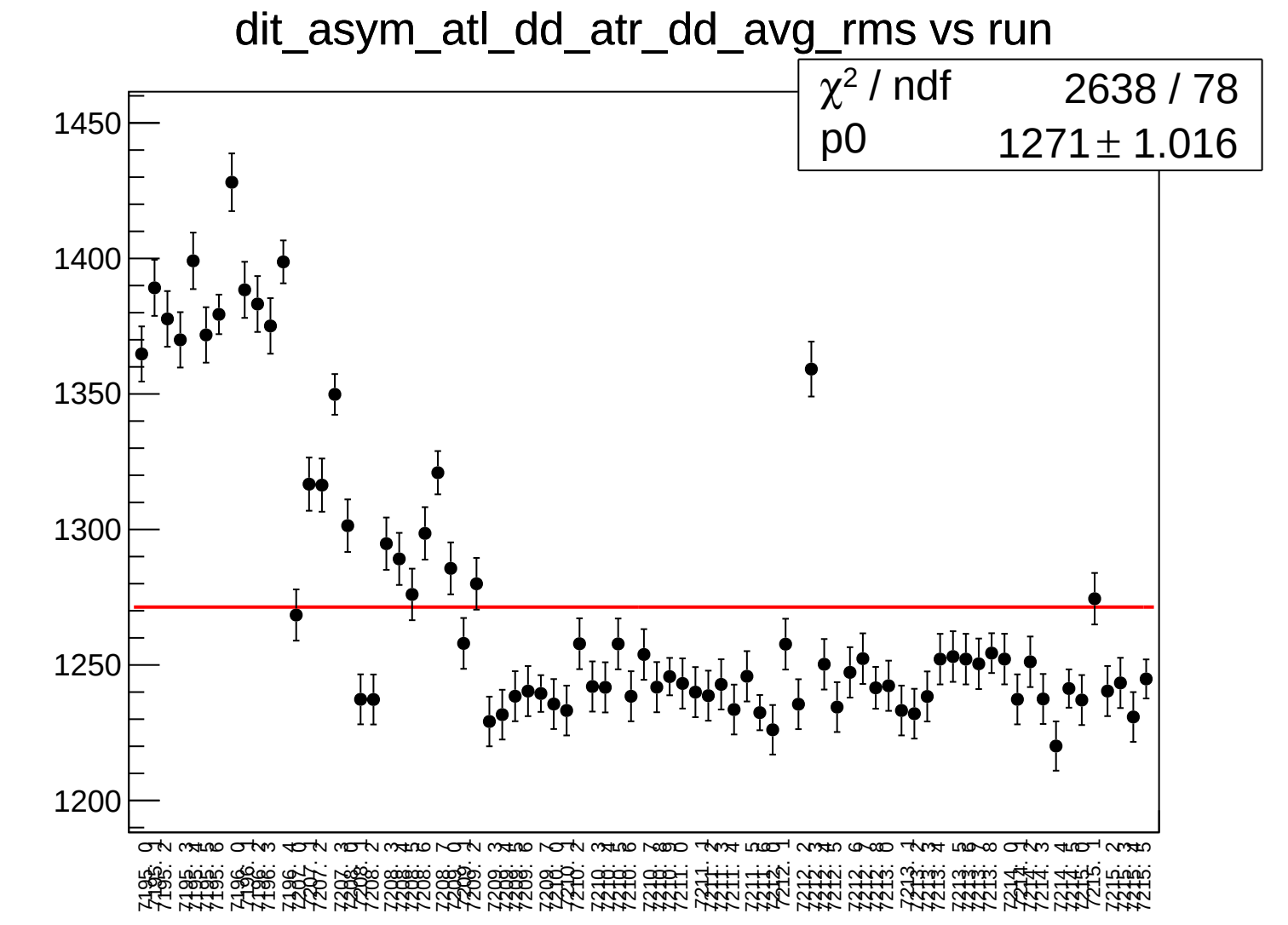

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 54.4 / 78
p0 −1873 ± 1443
pull
Entries 79
Mean −1262
Std Dev 1302

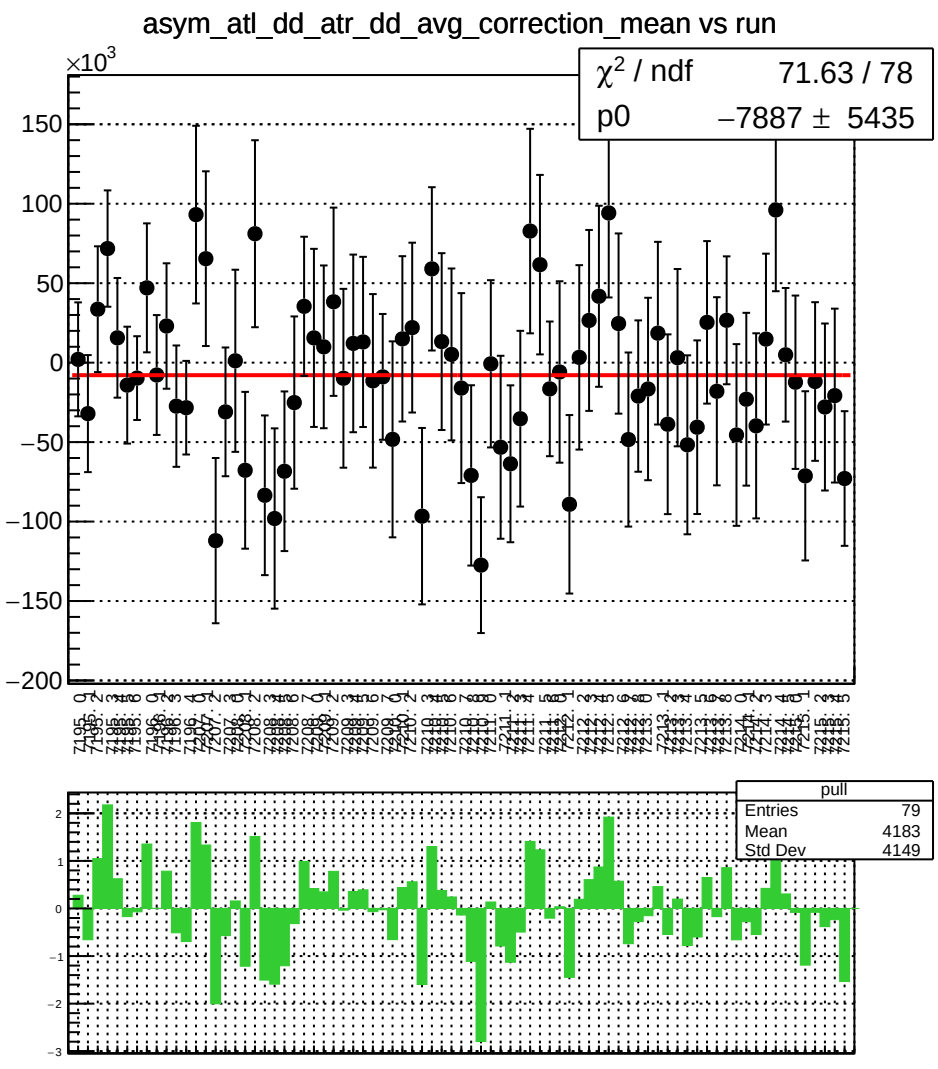

pull1D
Entries 79
Mean 0.002976
Std Dev 0.8298

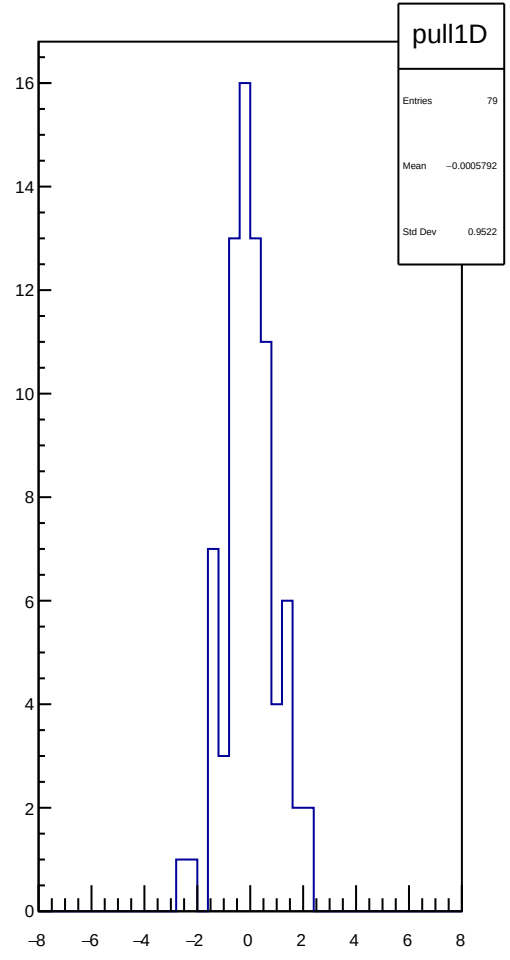

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 442.3 / 78
p0 1277 ± 1.02
1400
1380
1360
1340
1320
1300
1280
1260
1240
1220

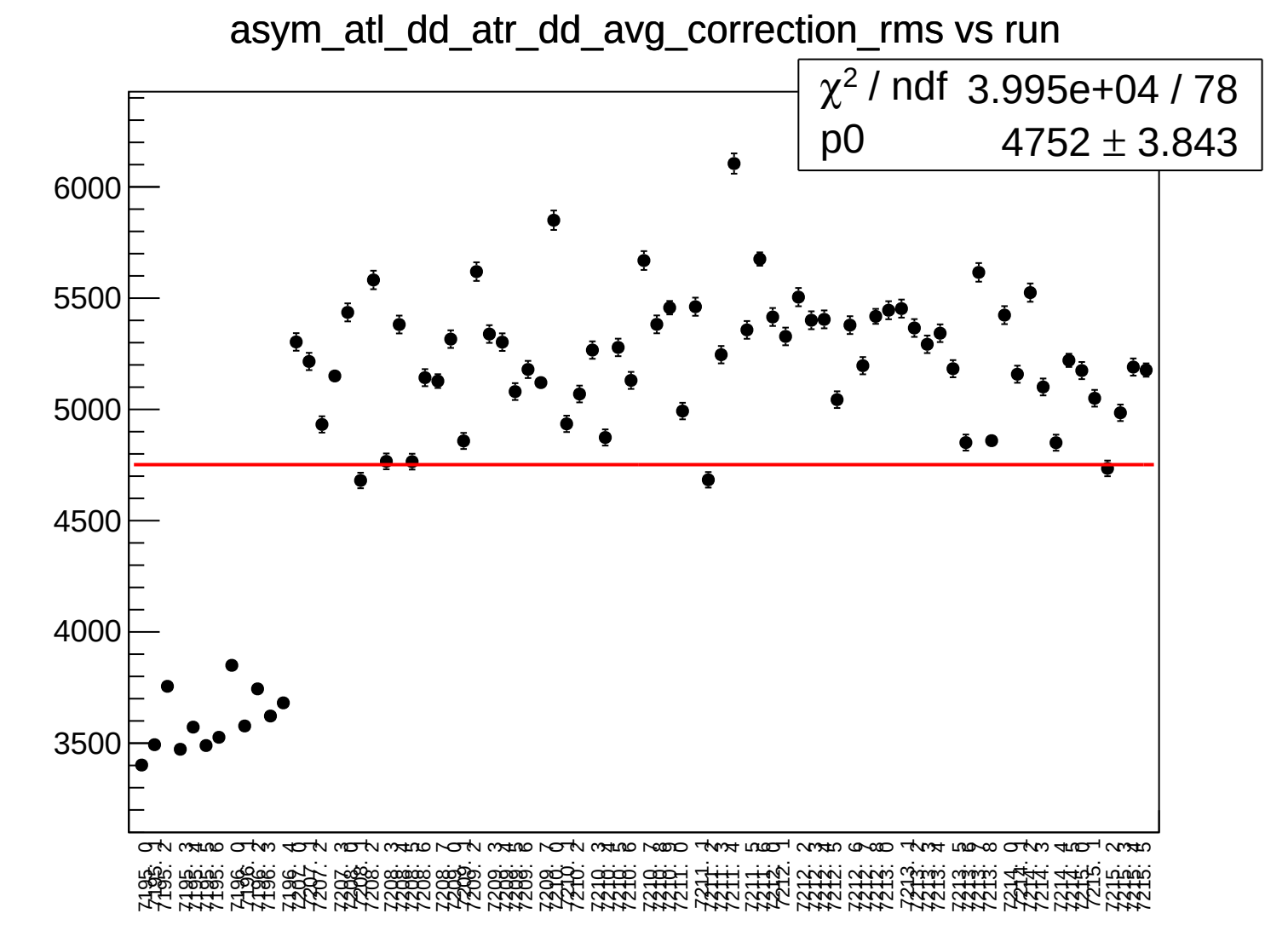

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 53.55 / 78
p0 −485.1± 1437
40000
20000
0
−20000
−40000
pull
Entries 79
Mean −16.94
Std Dev 70.13
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

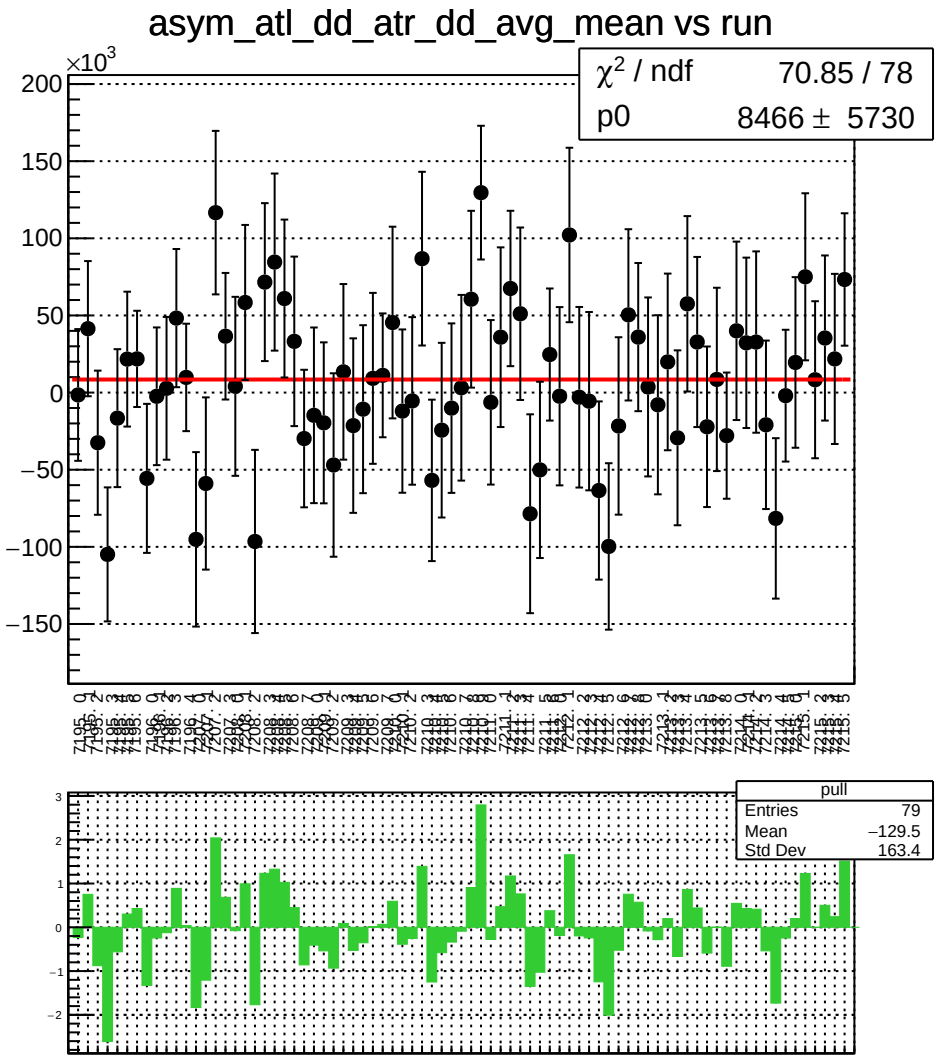

pull1D
Entries 79
Mean −0.01301
Std Dev 0.8232
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

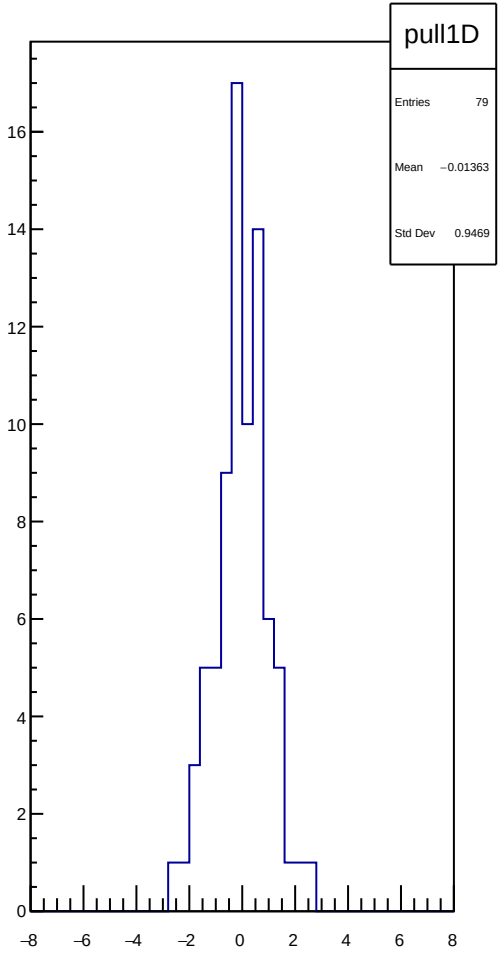

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 2638 / 78
p0 1271 ± 1.016
1450
1400
1350
1300
1250
1200

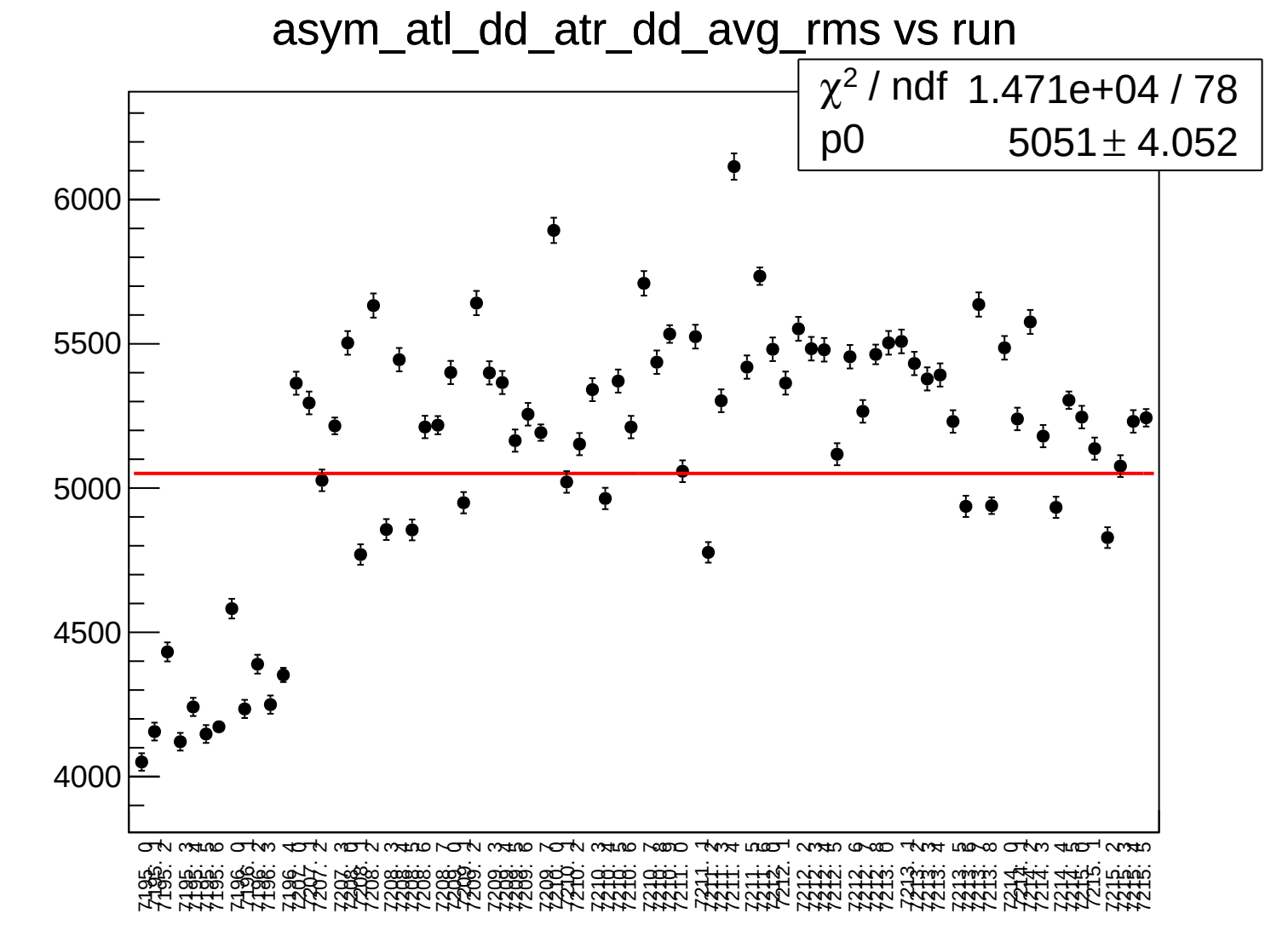

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 71.63 / 78
p0 −7887 ± 5435
150
100
50
0
−50
−100
−150
−200
pull
Entries 79
Mean 4183
Std Dev 4149
2
1
0
−1
−2
−3

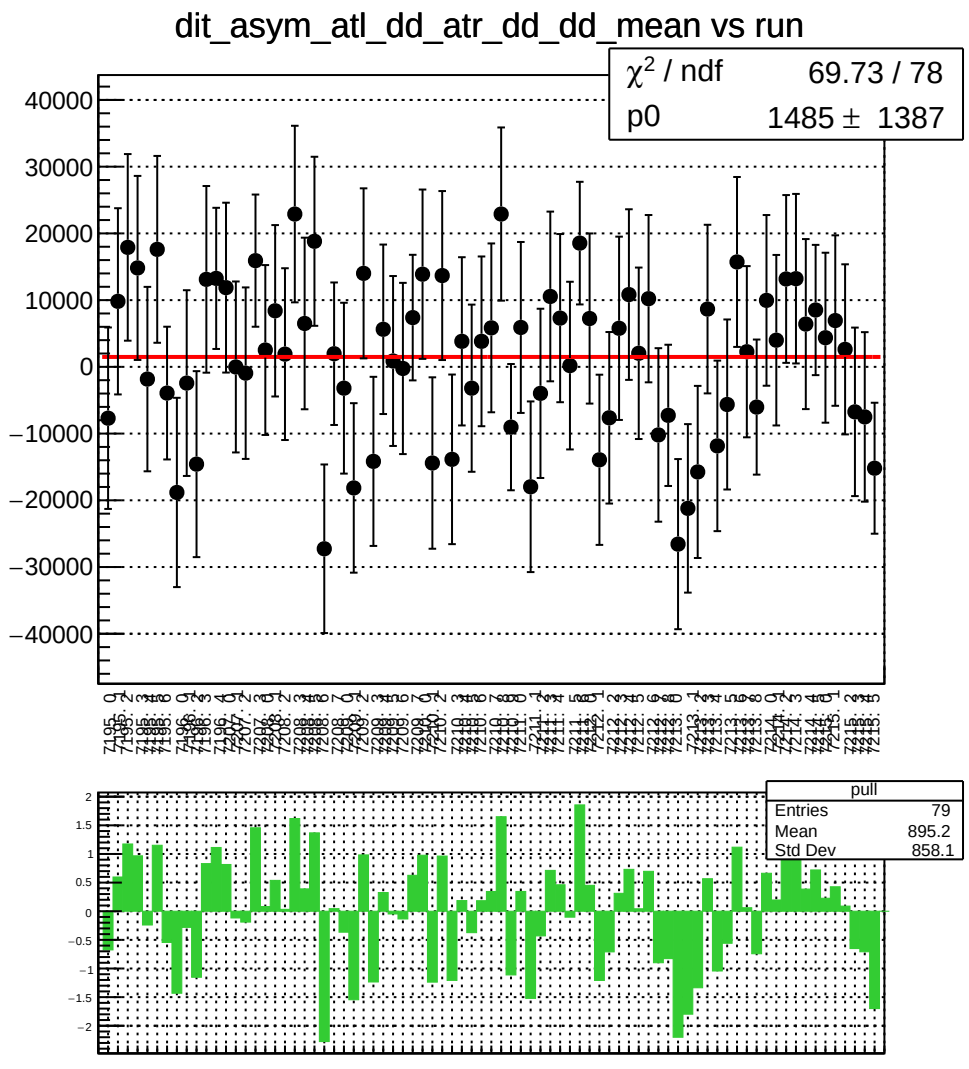

pull1D
Entries 79
Mean −0.0005792
Std Dev 0.9522
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

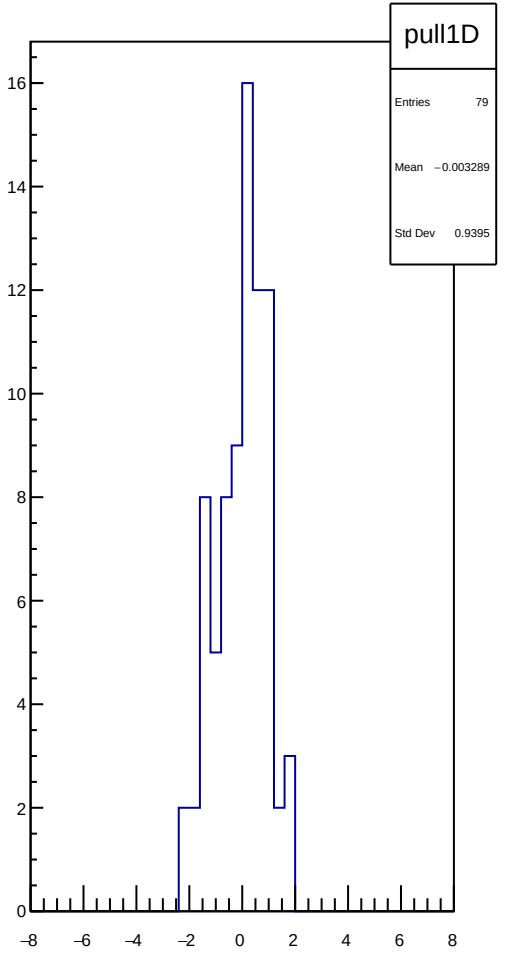

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 3.995e+04 / 78
p0 4752 ± 3.843
6000
5500
5000
4500
4000
3500

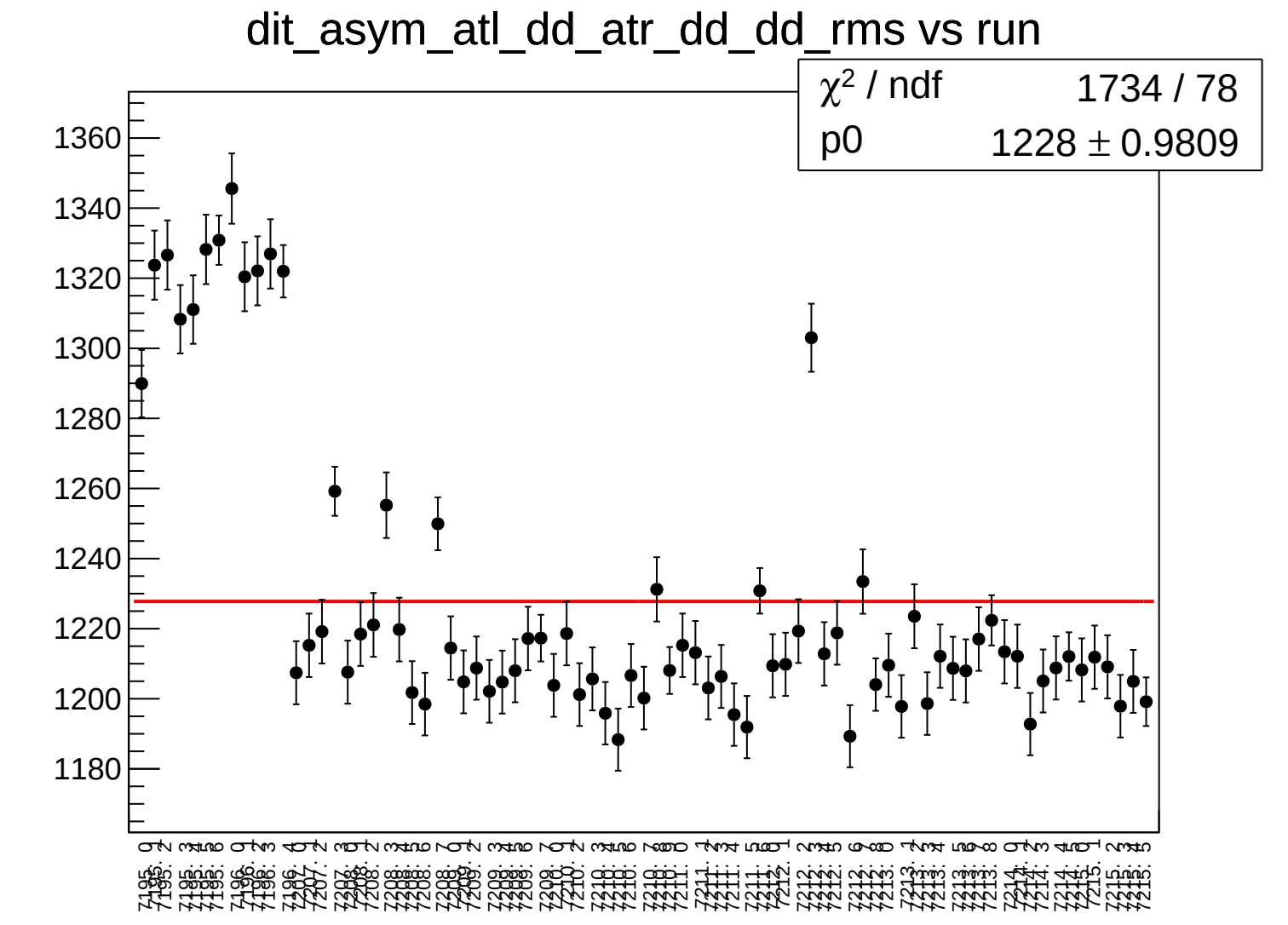

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 70.85 / 78
p0 8466 ± 5730
pull
Entries 79
Mean −129.5
Std Dev 163.4

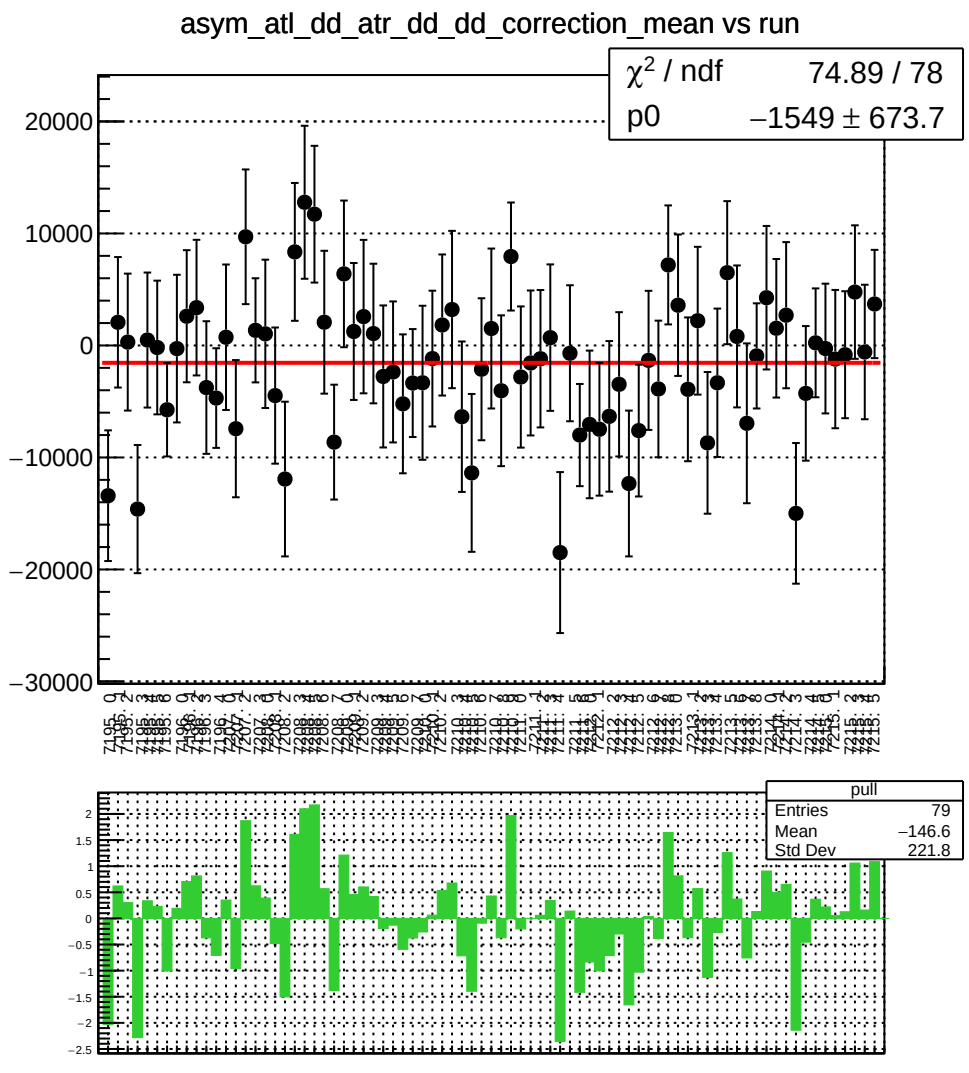

pull1D
Entries 79
Mean −0.01363
Std Dev 0.9469

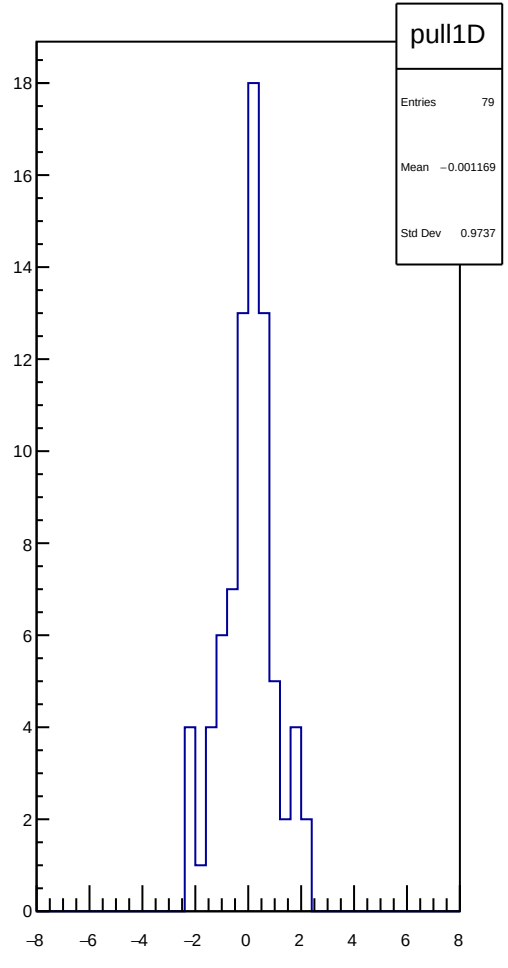

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 1.471e+04 / 78
p0 5051 ± 4.052
6000
5500
5000
4500
4000

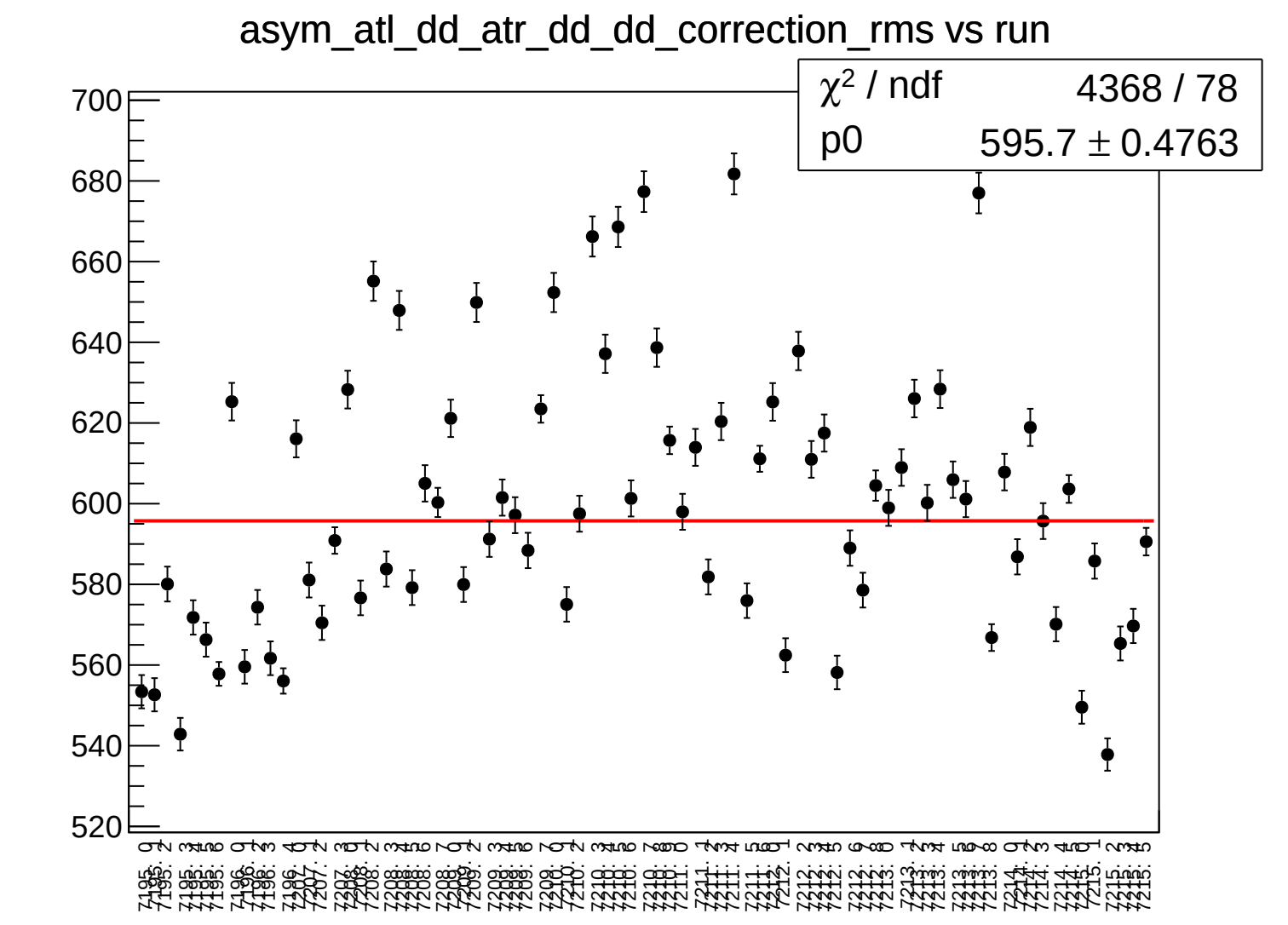

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ^2 / ndf 69.73 / 78
p0 1485 ± 1387
pull
Entries 79
Mean 895.2
Std Dev 858.1

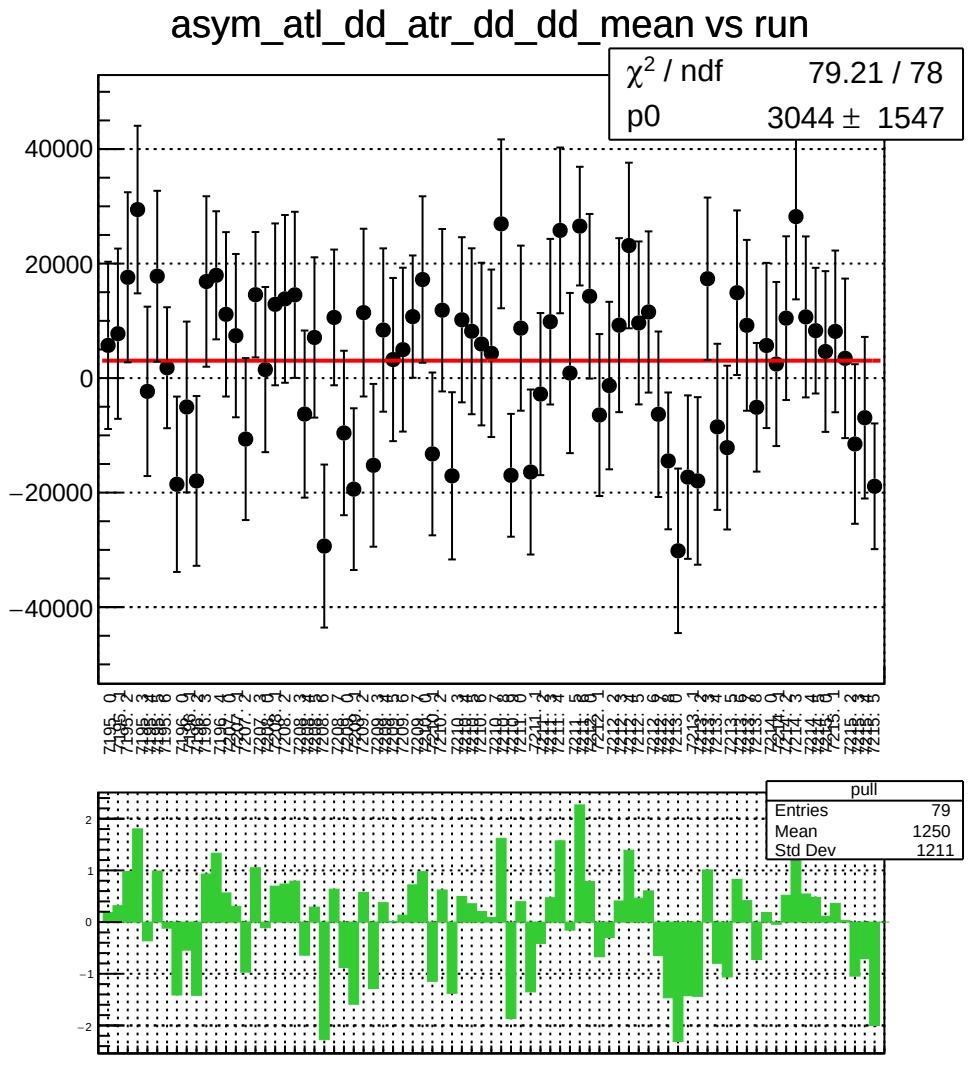

pull1D
Entries 79
Mean −0.003289
Std Dev 0.9395

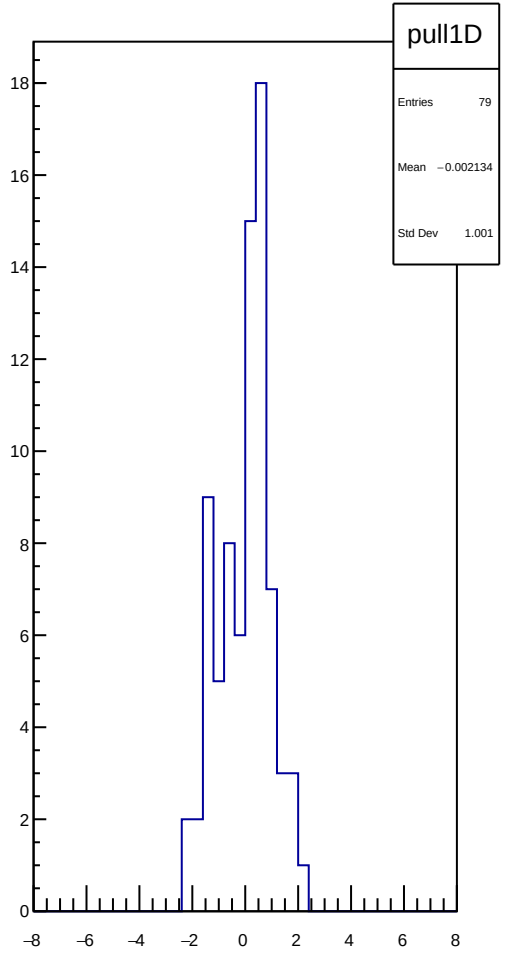

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1734 / 78
p0 1228 ± 0.9809
1360
1340
1320
1300
1280
1260
1240
1220
1200
1180

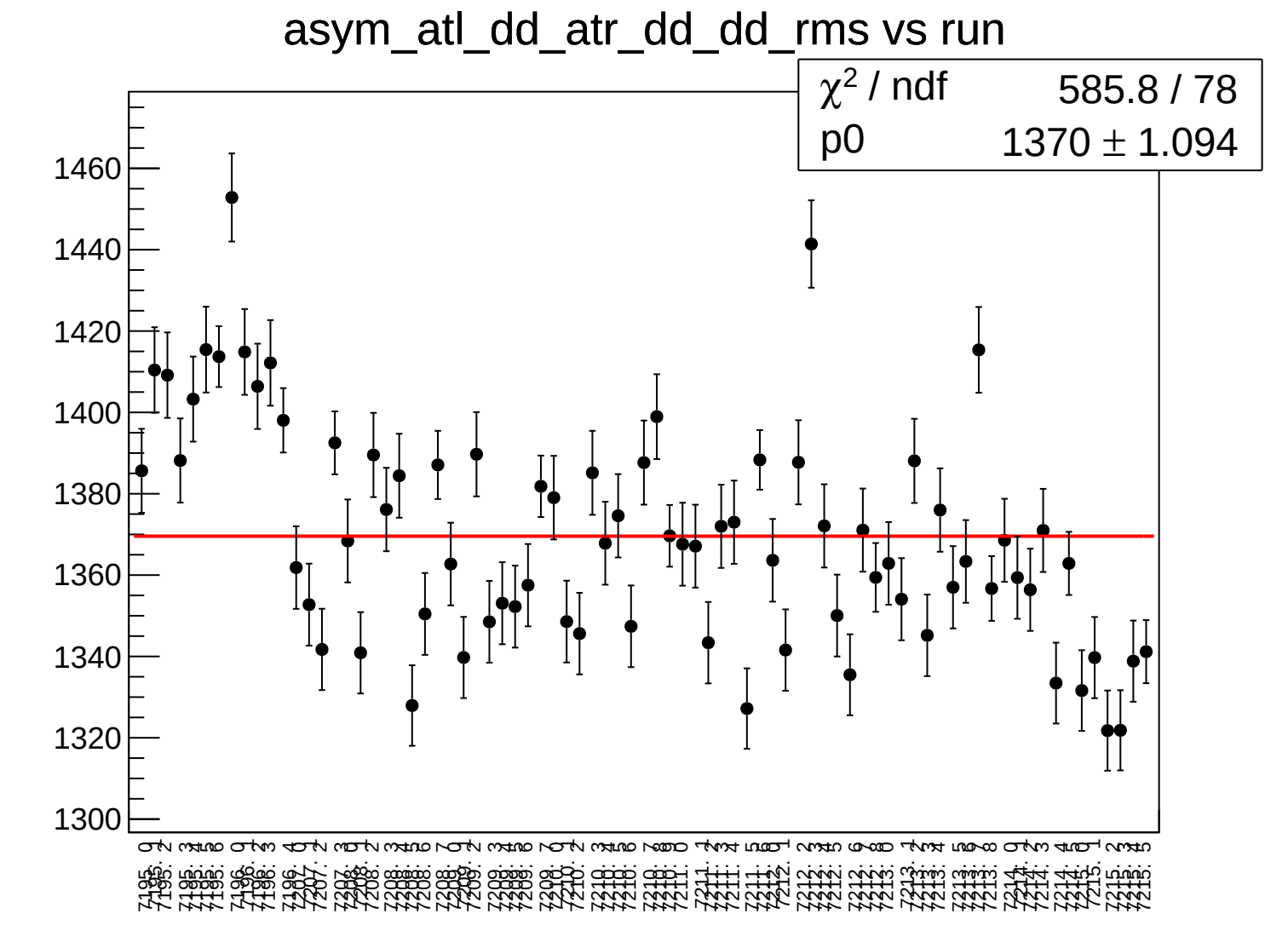

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 74.89 / 78
p0 −1549 ± 673.7
pull
Entries 79
Mean −146.6
Std Dev 221.8

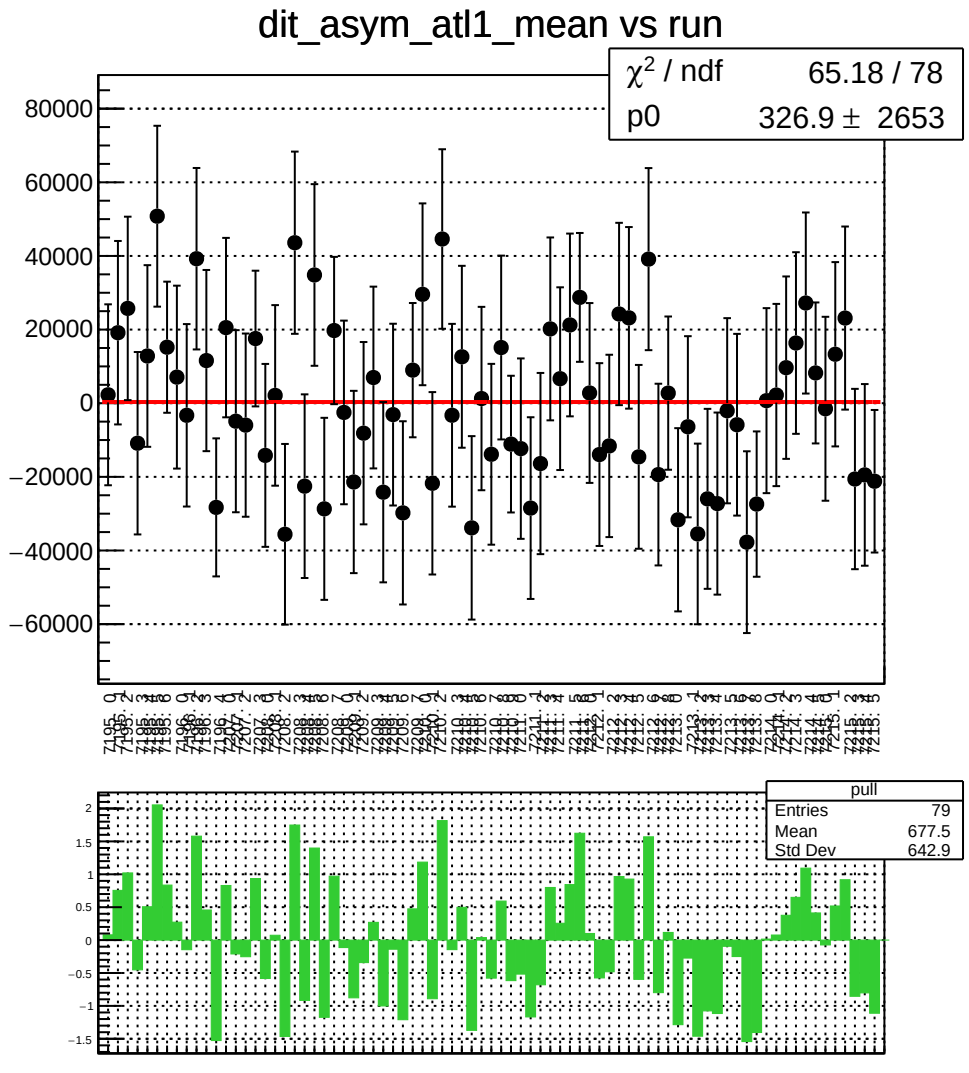

pull1D
Entries 79
Mean −0.001169
Std Dev 0.9737

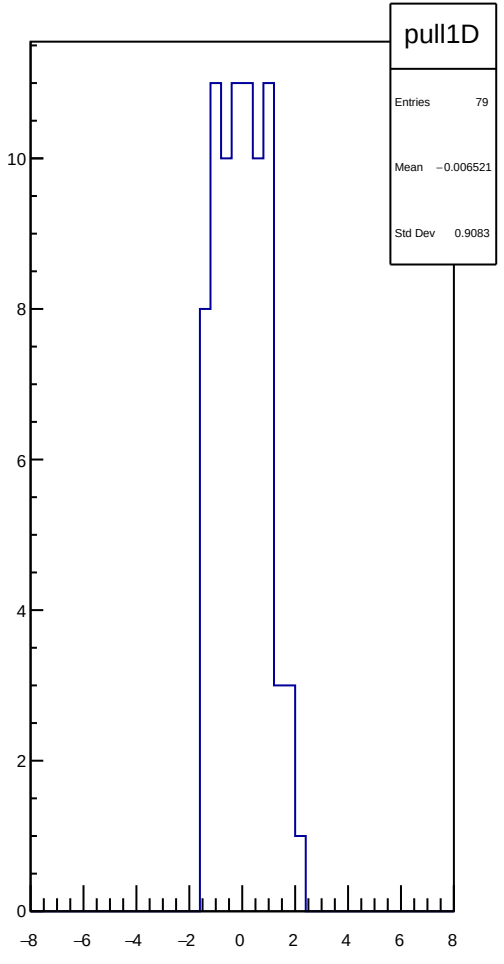

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 4368 / 78
p0 595.7 ± 0.4763
700
680
660
640
620
600
580
560
540
520

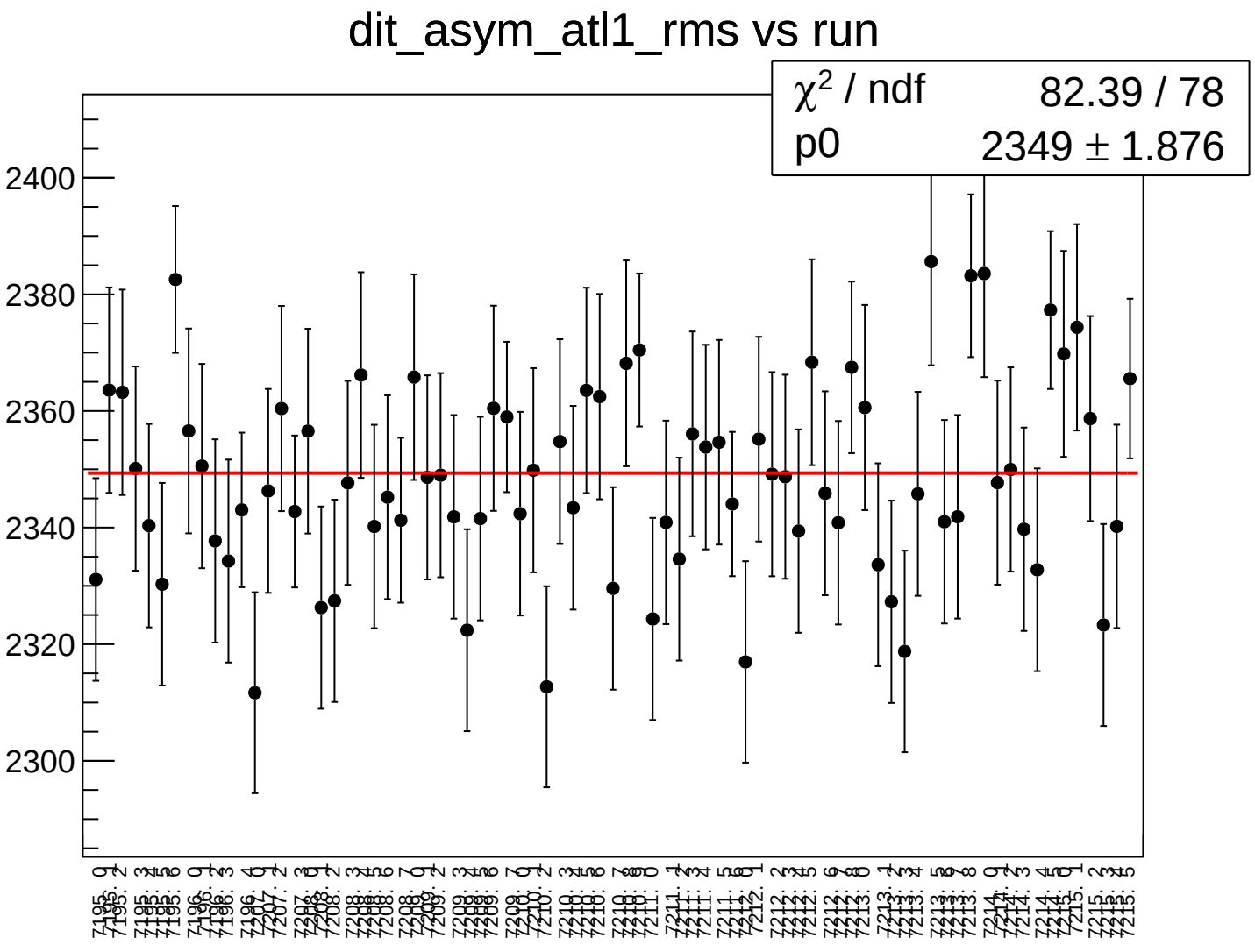

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 79.21 / 78
p0 3044 ± 1547
40000
20000
0
−20000
−40000
pull
Entries 79
Mean 1250
Std Dev 1211
2
1
0
−1
−2

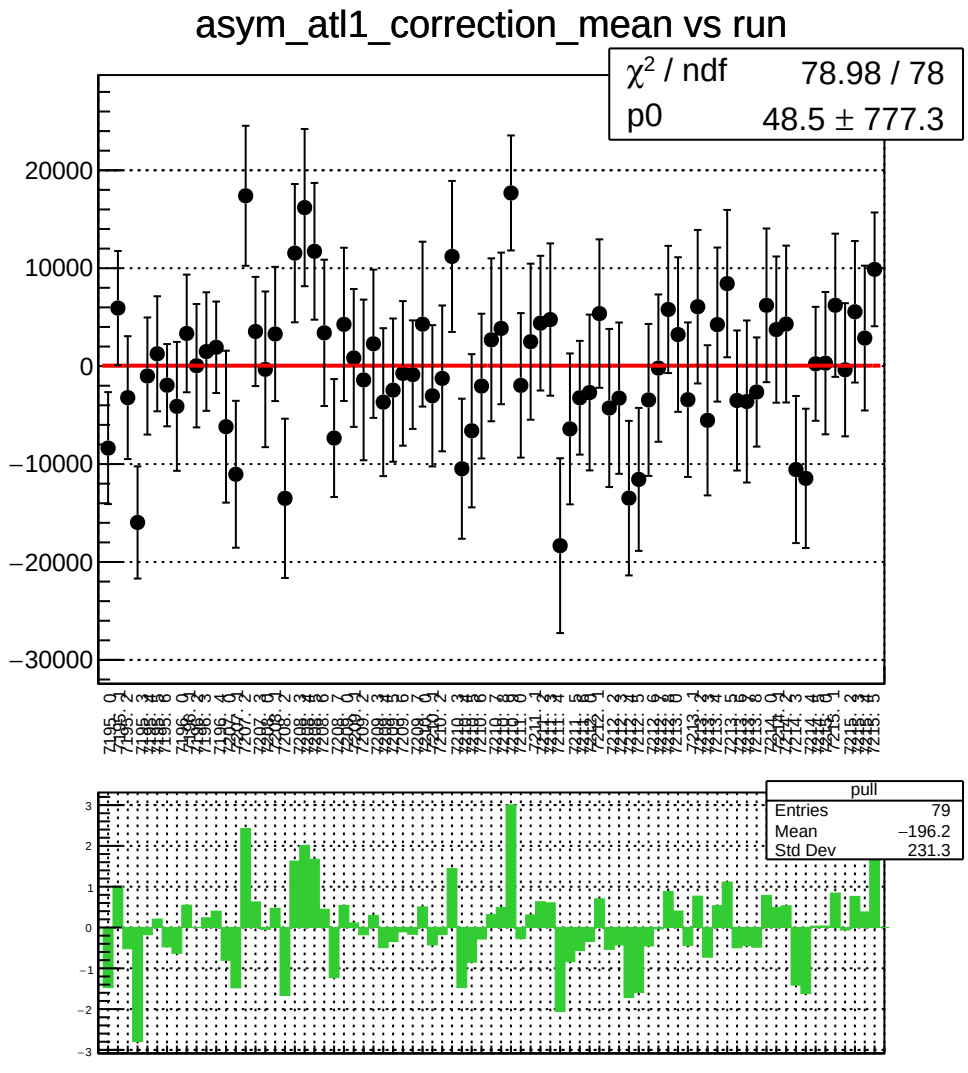

pull1D
Entries 79
Mean −0.002134
Std Dev 1.001
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

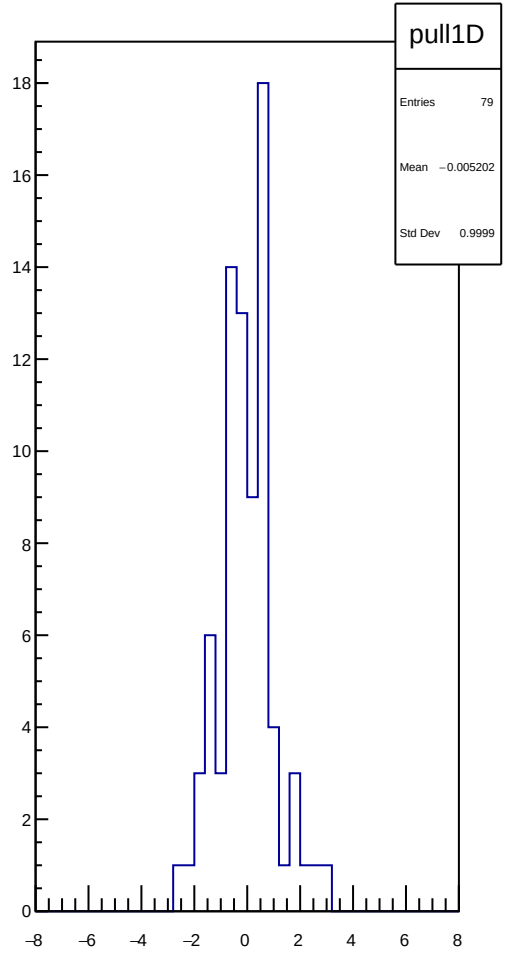

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 585.8 / 78
p0 1370 ± 1.094
1460
1440
1420
1400
1380
1360
1340
1320
1300

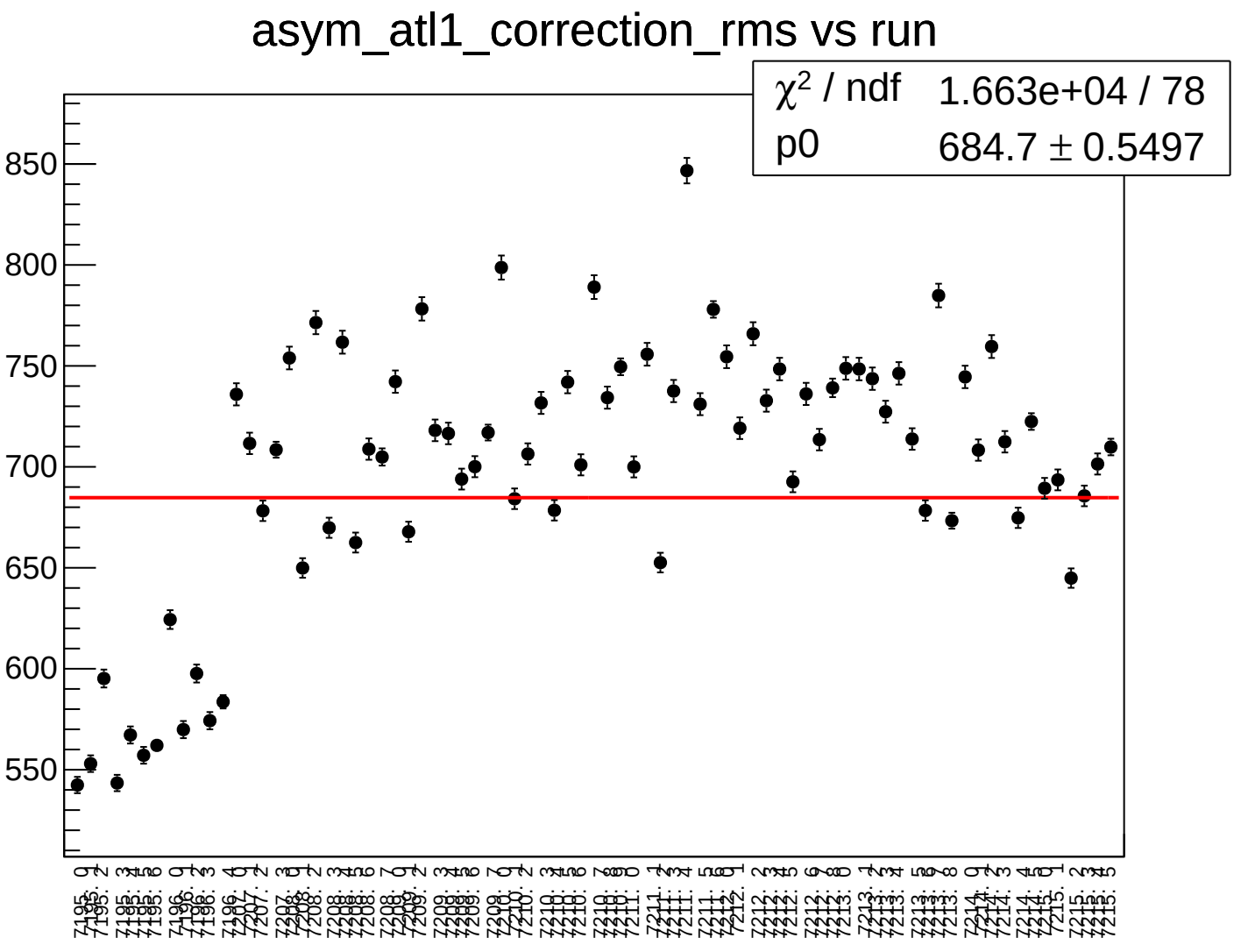

dit_asym_atl1_mean vs run
χ² / ndf 65.18 / 78
p0 326.9 ± 2653
pull
Entries 79
Mean 677.5
Std Dev 642.9

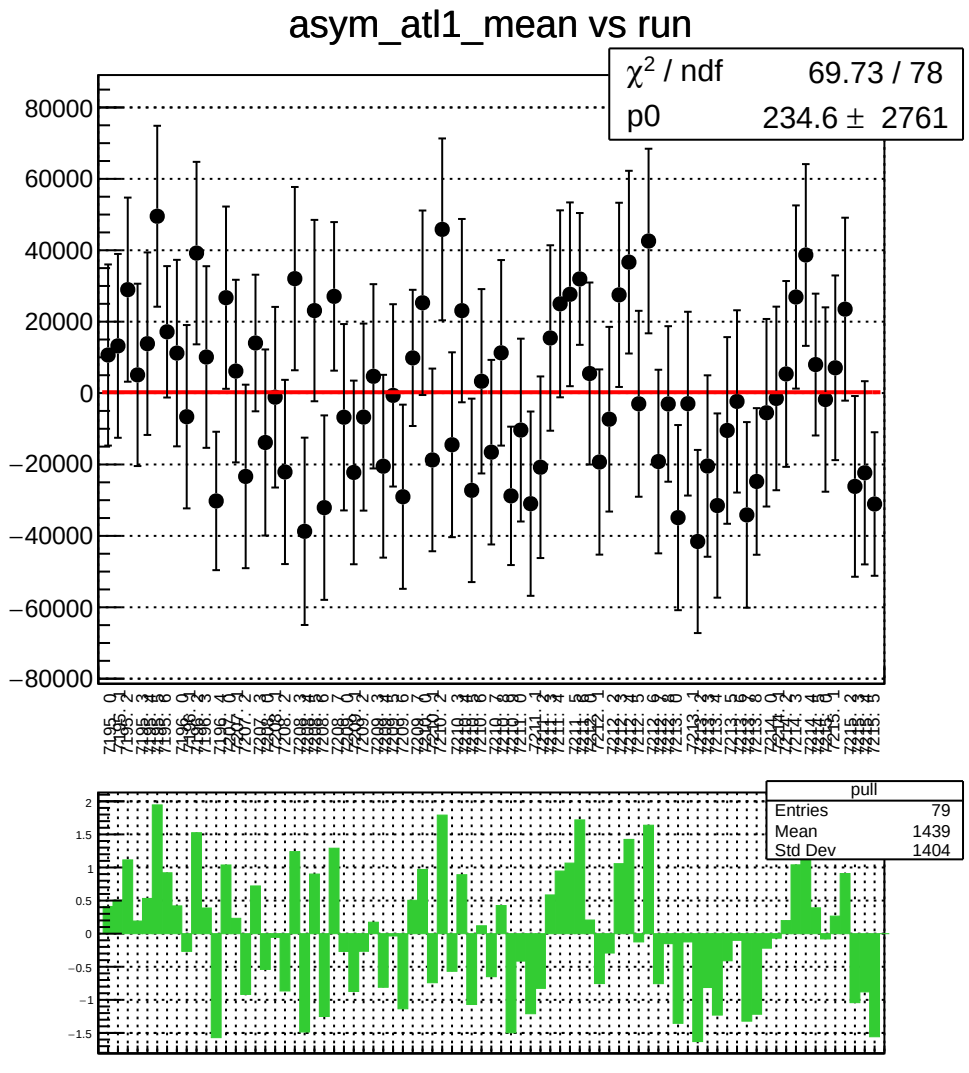

pull1D
Entries 79
Mean −0.006521
Std Dev 0.9083

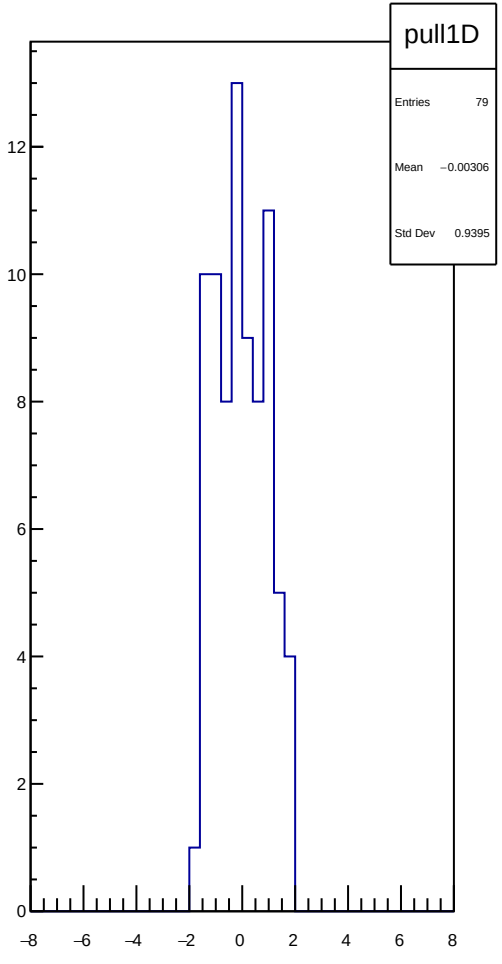

dit_asym_atl1_rms vs run
χ² / ndf 82.39 / 78
p0 2349 ± 1.876
2400
2380
2360
2340
2320
2300

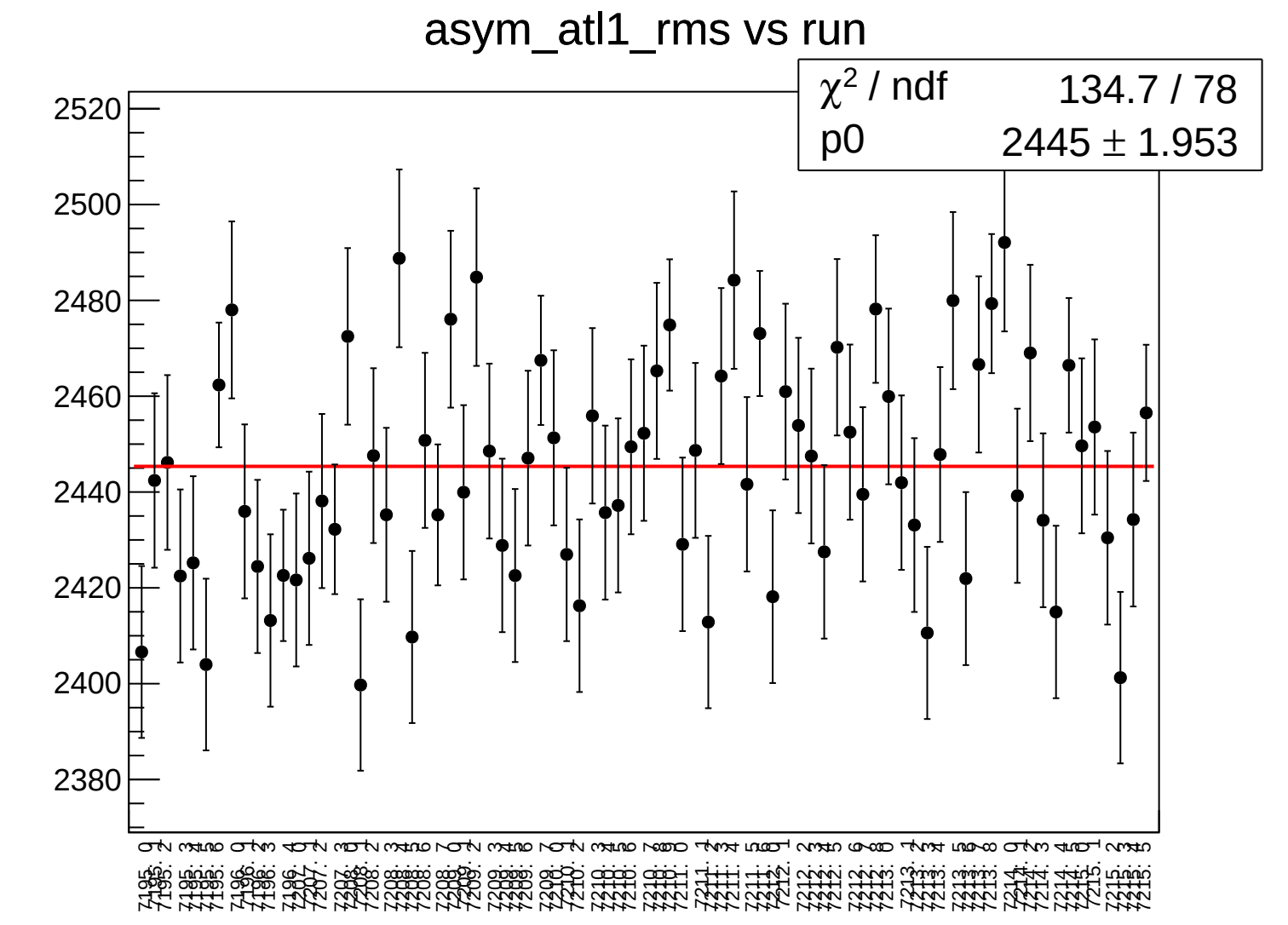

asym_atl1_correction_mean vs run
χ² / ndf 78.98 / 78
p0 48.5 ± 777.3
20000
10000
0
−10000
−20000
−30000
pull
Entries 79
Mean −196.2
Std Dev 231.3
3
2
1
0
−1
−2
−3

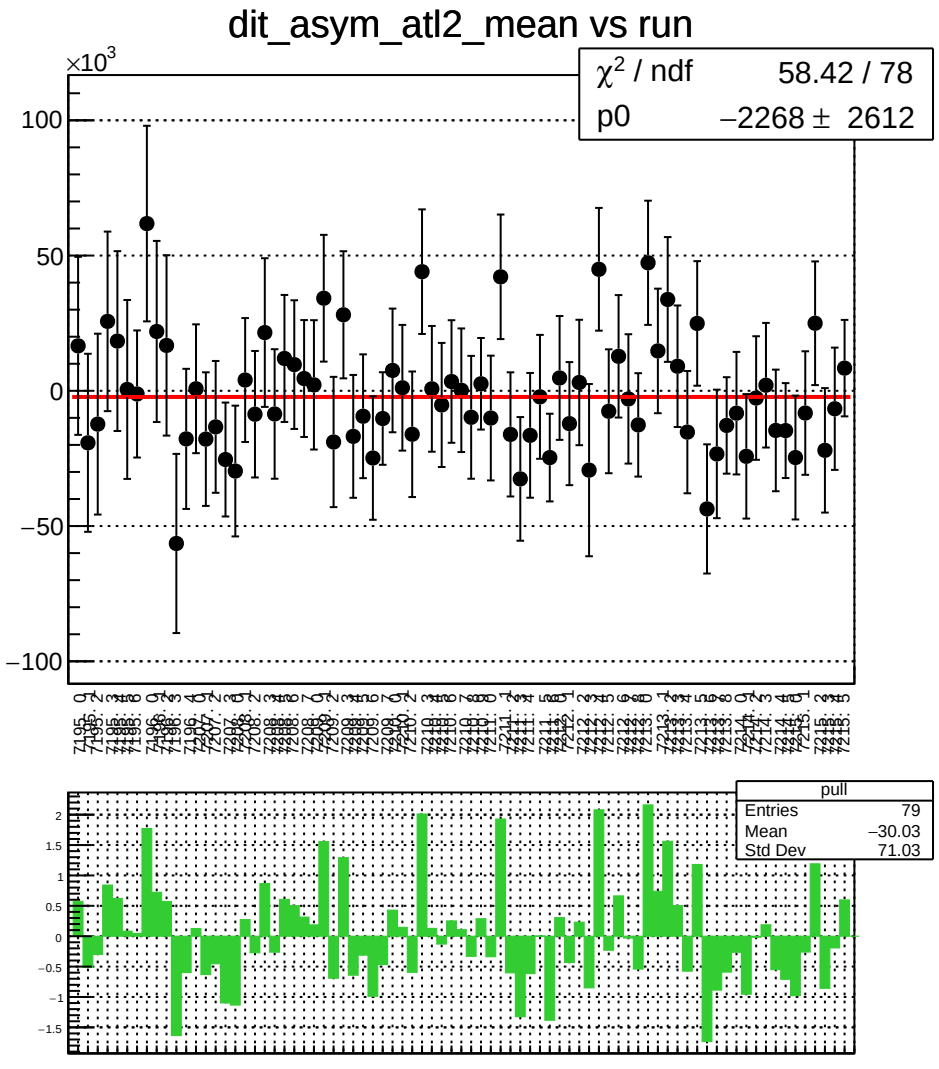

pull1D
Entries 79
Mean −0.005202
Std Dev 0.9999
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

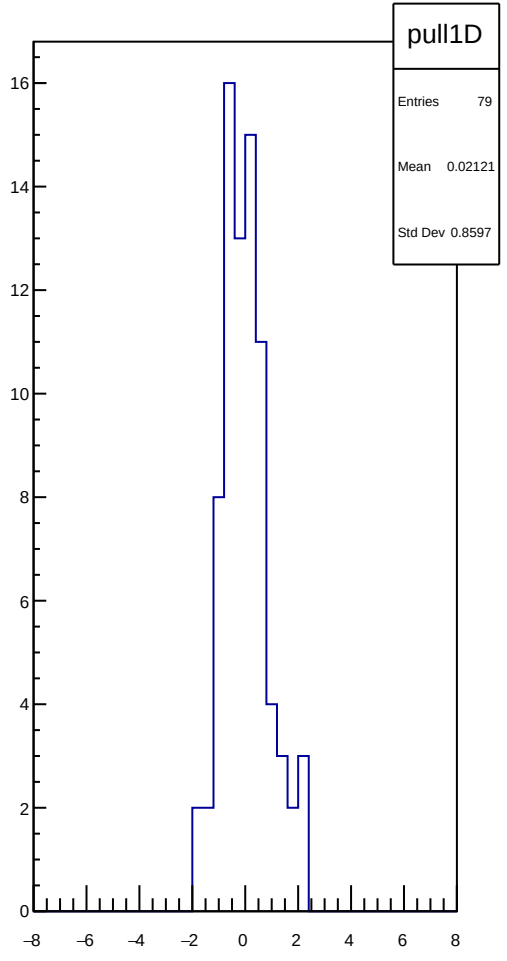

asym_atl1_correction_rms vs run
χ² / ndf 1.663e+04 / 78
p0 684.7 ± 0.5497
850
800
750
700
650
600
550

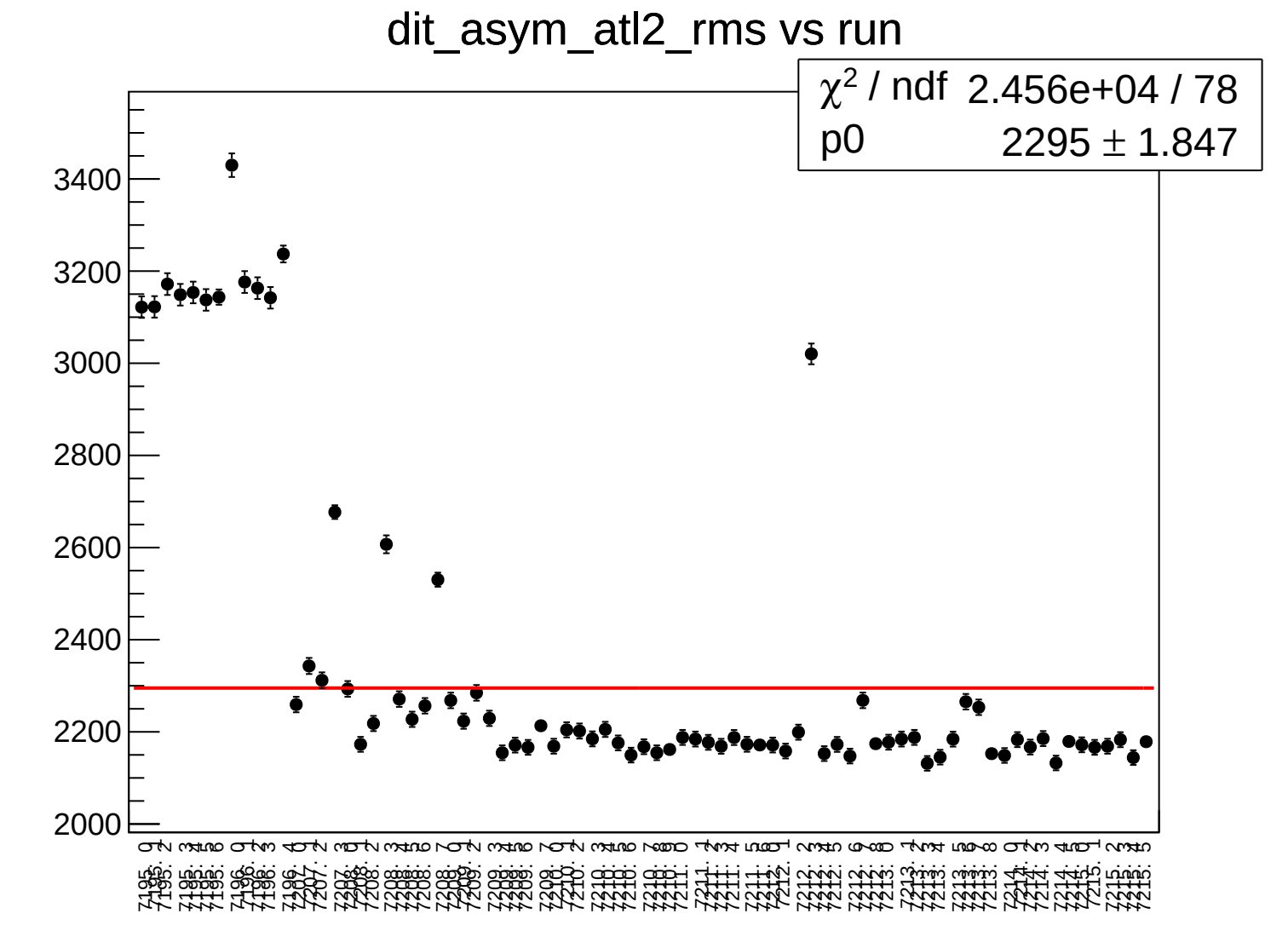

asym_atl1_mean vs run
χ² / ndf 69.73 / 78
p0 234.6 ± 2761
pull
Entries 79
Mean 1439
Std Dev 1404

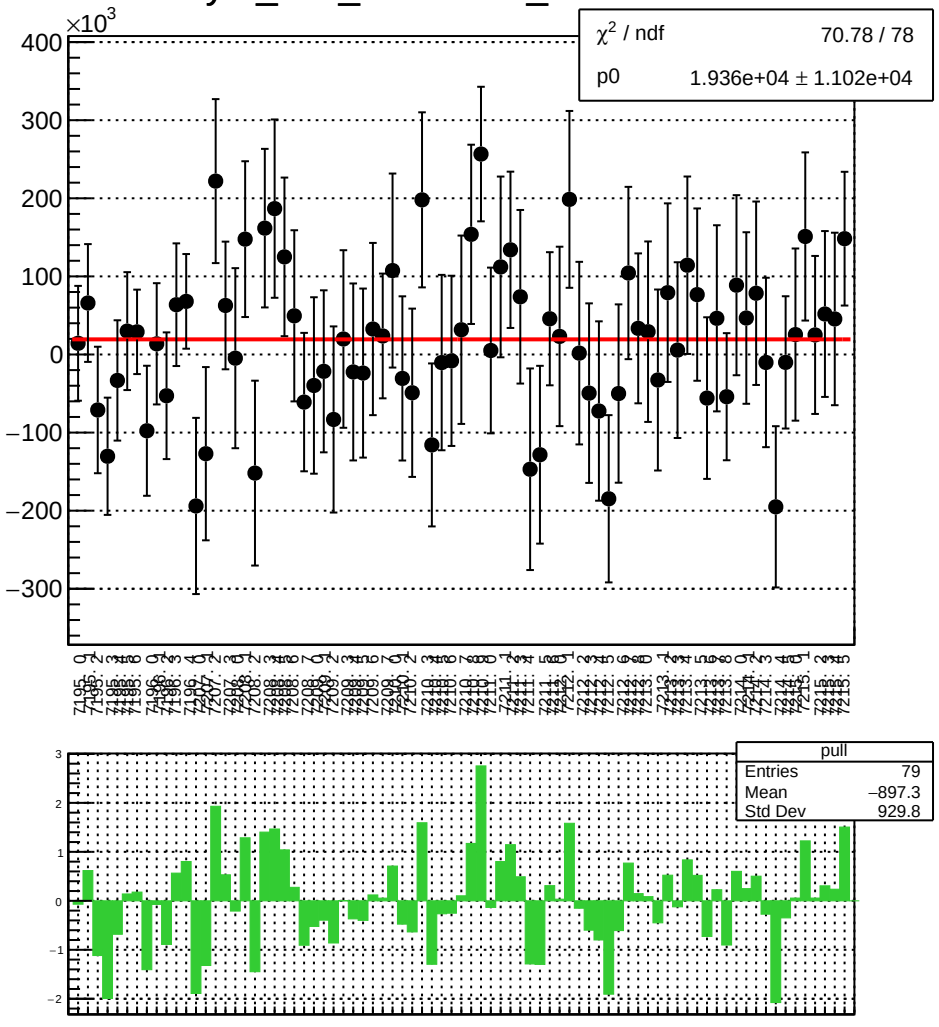

pull1D
Entries 79
Mean −0.00306
Std Dev 0.9395

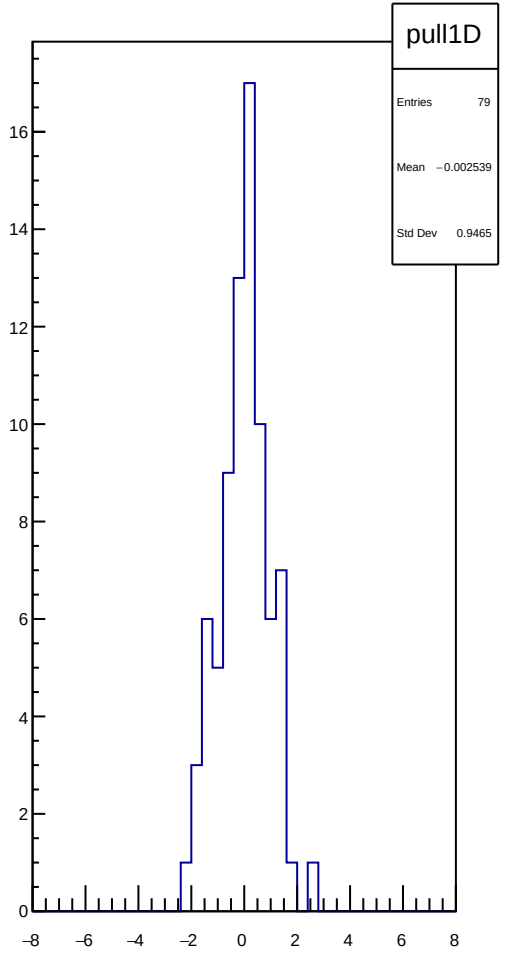

asym_atl1_rms vs run
χ^2 / ndf 134.7 / 78
p0 2445 ± 1.953
2520
2500
2480
2460
2440
2420
2400
2380

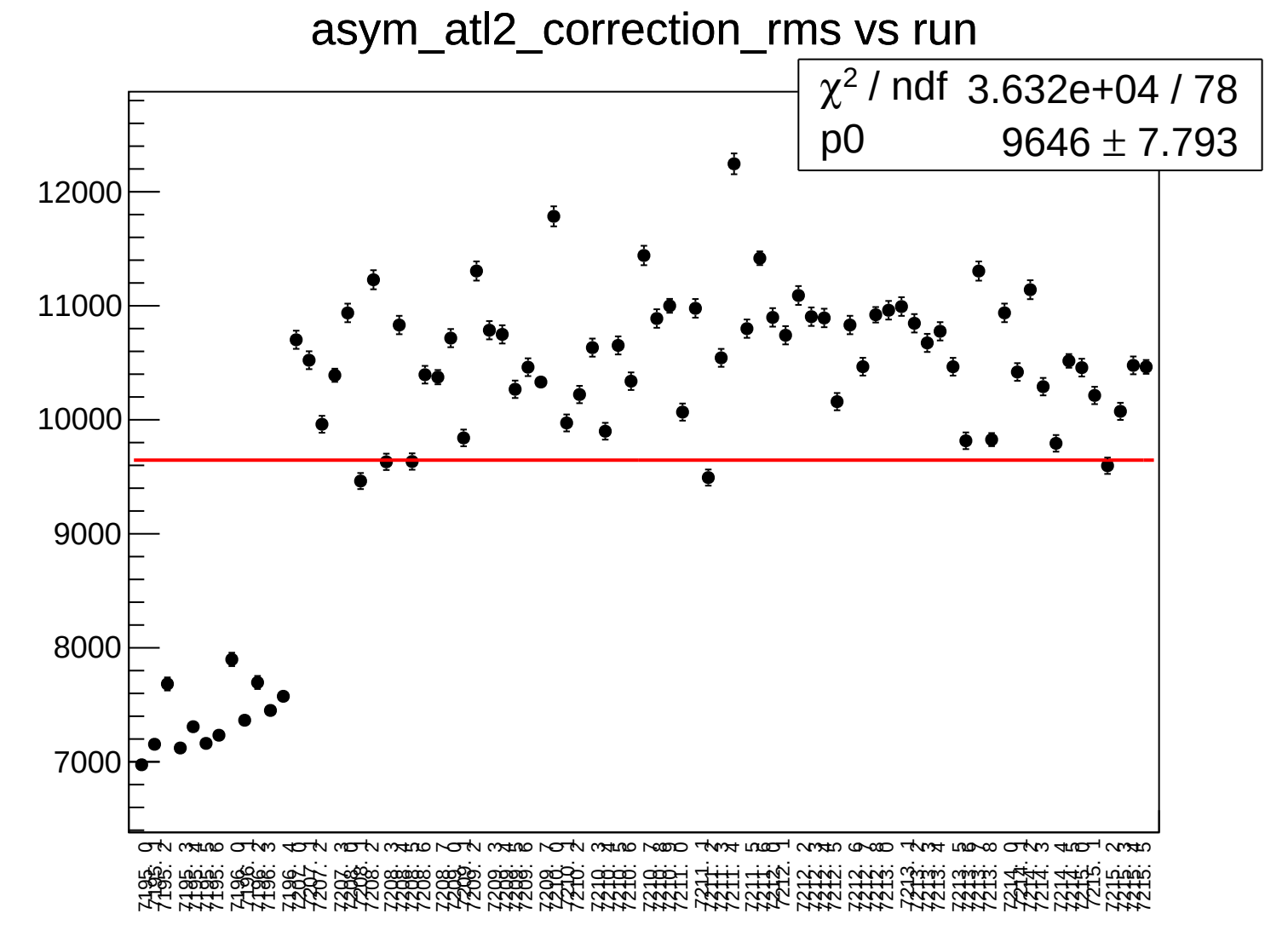

dit_asym_atl2_mean vs run
×10^3
χ² / ndf 58.42 / 78
p0 −2268 ± 2612
100
50
0
−50
−100
pull
Entries 79
Mean −30.03
Std Dev 71.03
2
1.5
1
0.5
0
−0.5
−1
−1.5

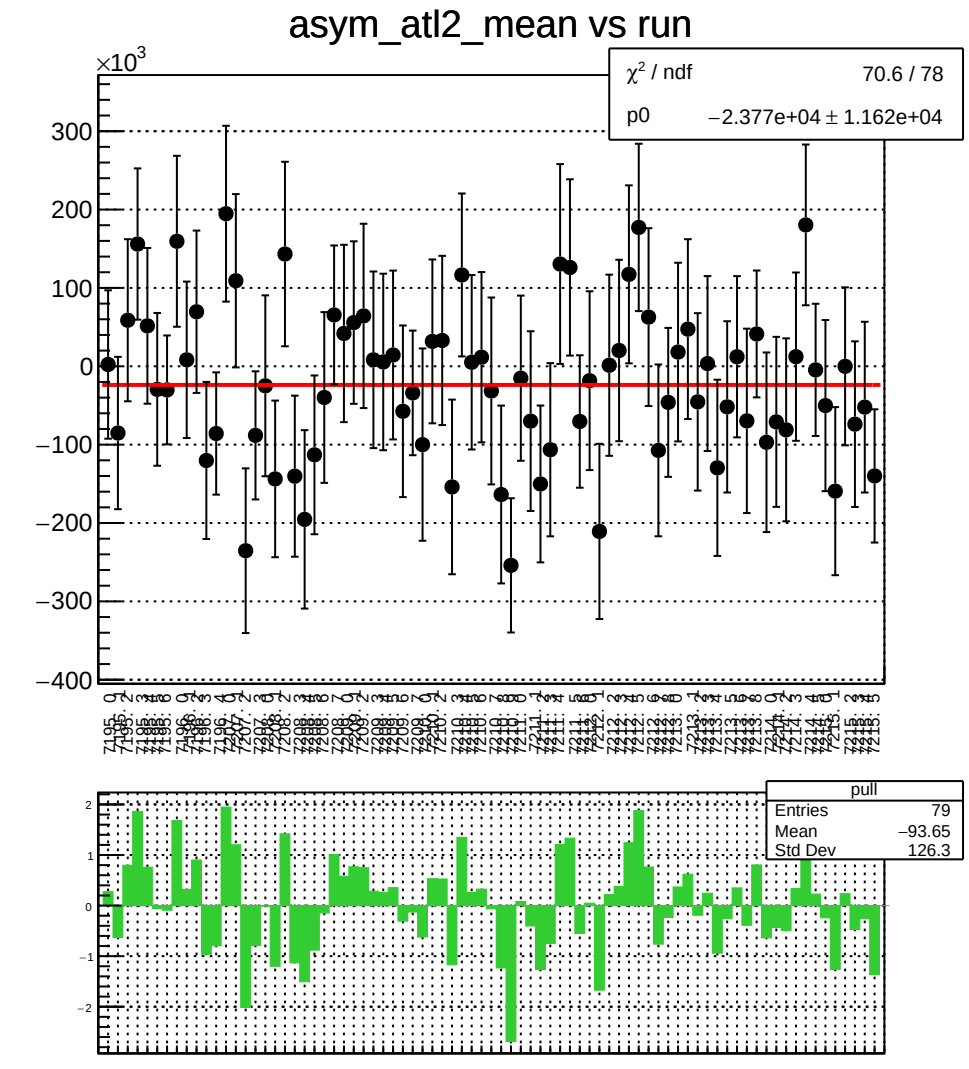

pull1D
Entries 79
Mean 0.02121
Std Dev 0.8597
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

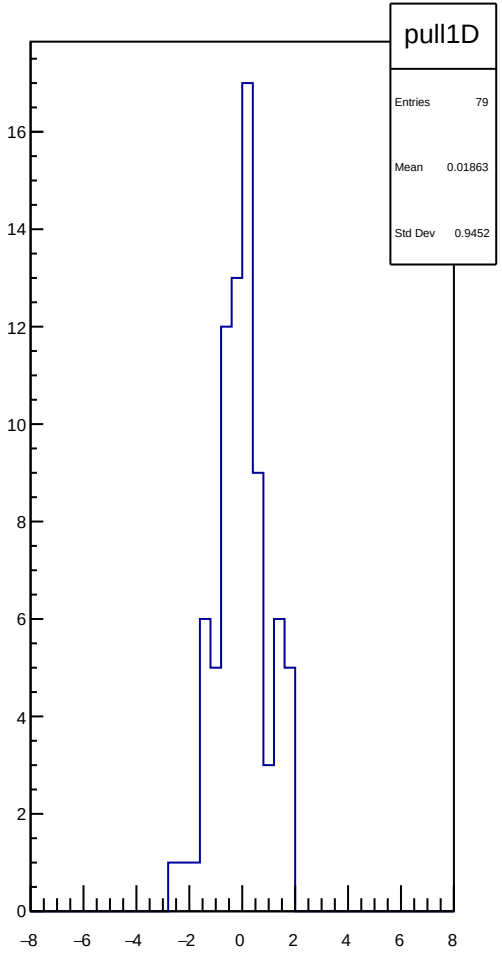

dit_asym_atl2_rms vs run
χ² / ndf 2.456e+04 / 78
p0 2295 ± 1.847
3400
3200
3000
2800
2600
2400
2200
2000

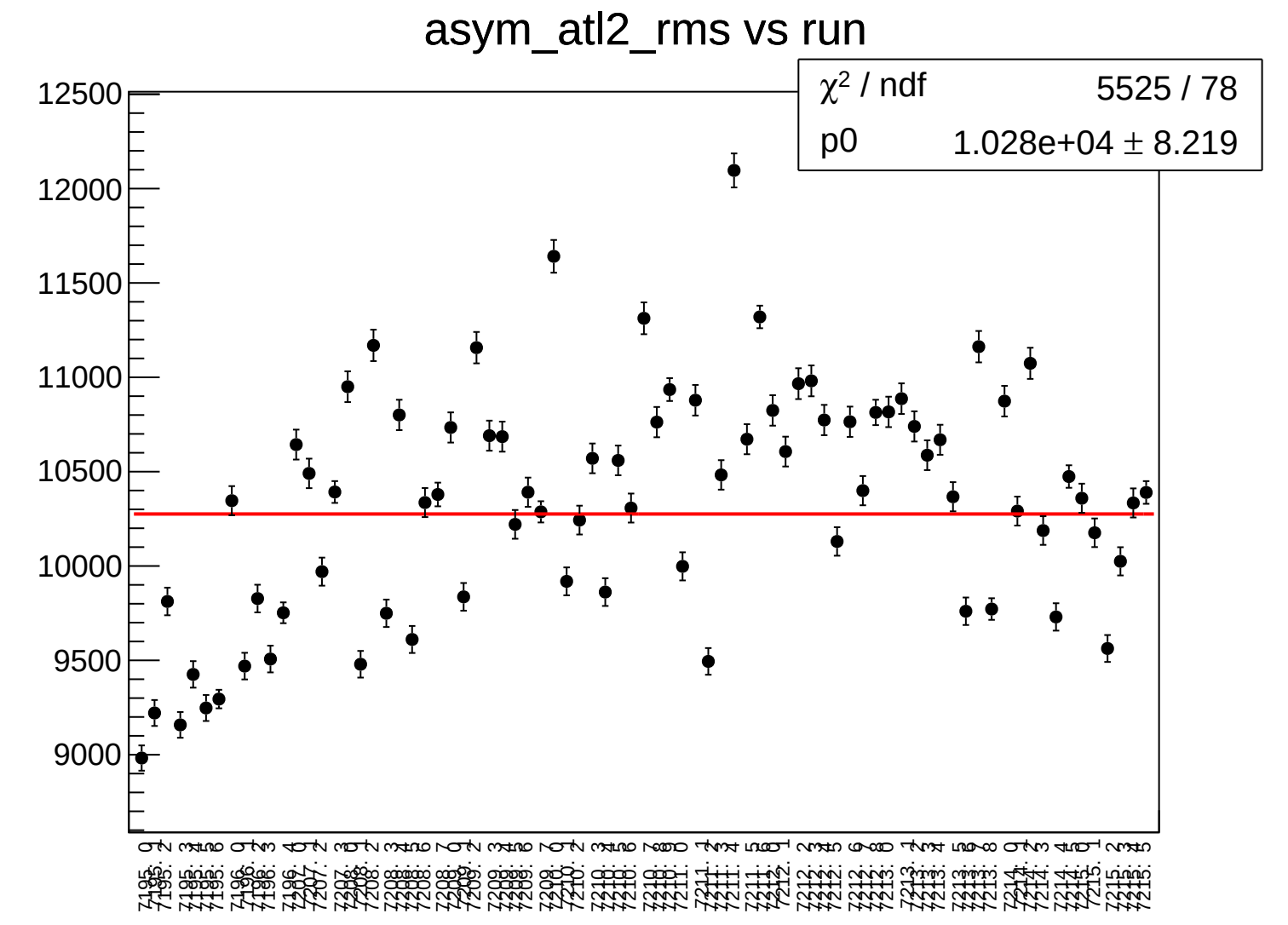

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 70.78 / 78
p0 1.936e+04 ± 1.102e+04
pull
Entries 79
Mean −897.3
Std Dev 929.8

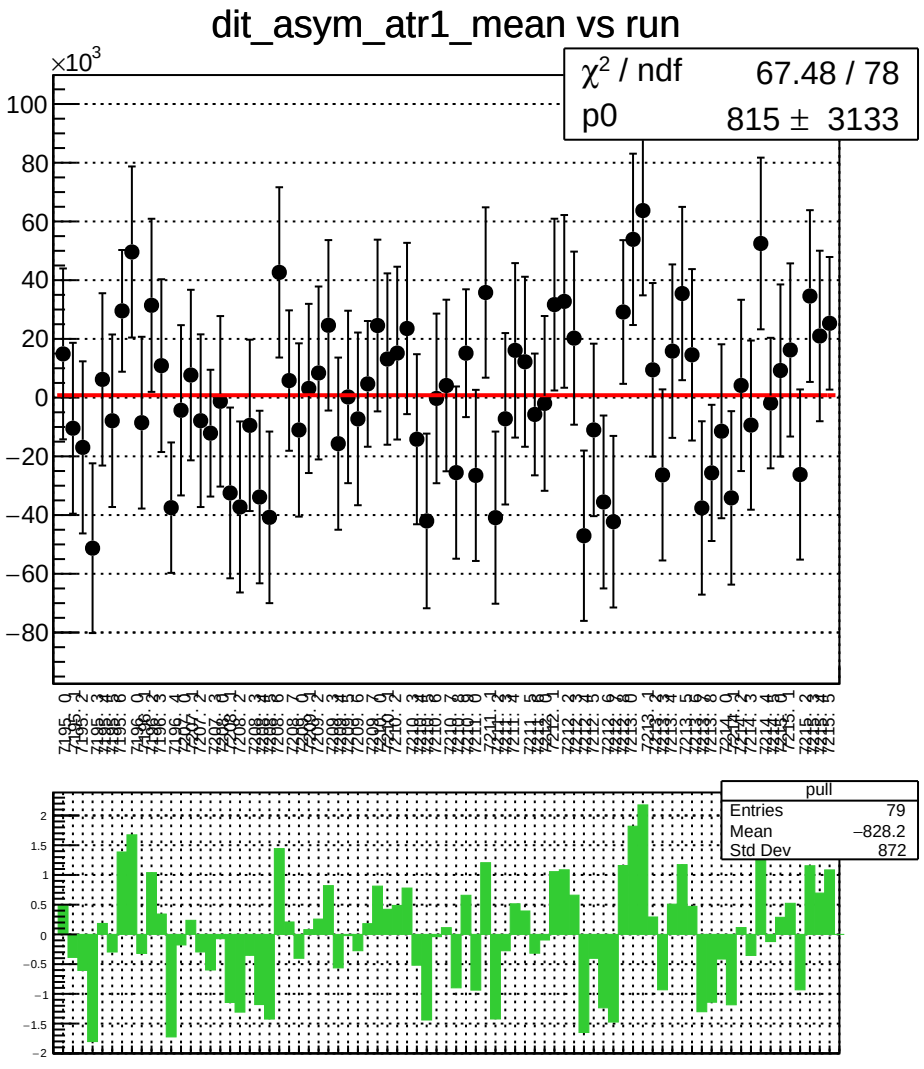

pull1D
Entries 79
Mean −0.002539
Std Dev 0.9465

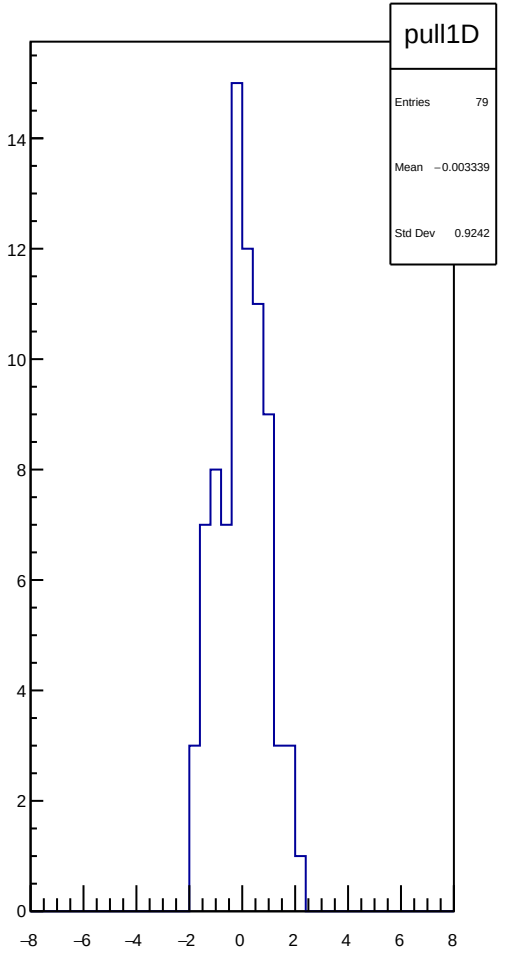

asym_atl2_correction_rms vs run
χ² / ndf 3.632e+04 / 78
p0 9646 ± 7.793
12000
11000
10000
9000
8000
7000

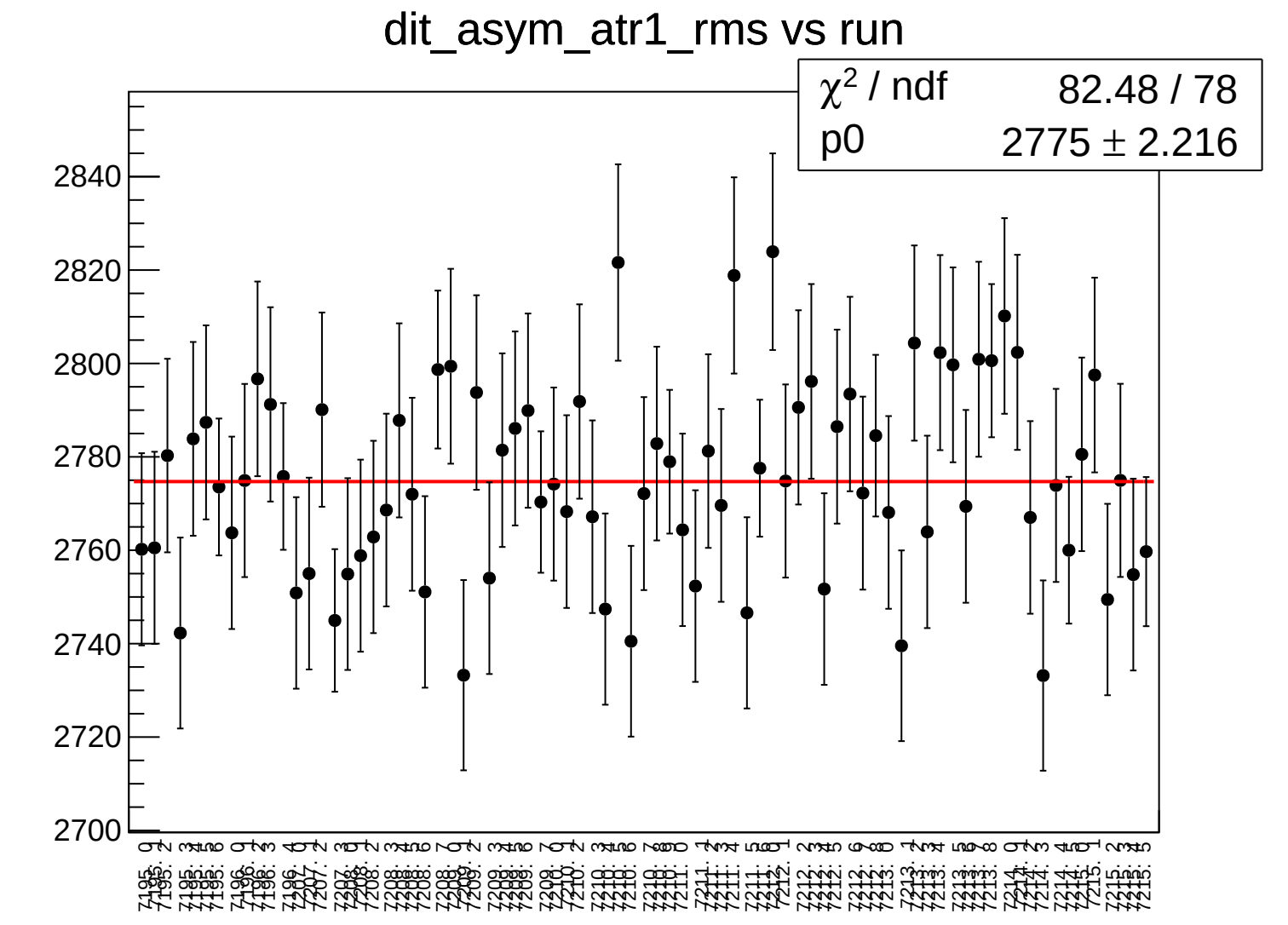

asym_atl2_mean vs run
×10^3
χ² / ndf 70.6 / 78
p0 −2.377e+04 ± 1.162e+04
pull
Entries 79
Mean −93.65
Std Dev 126.3

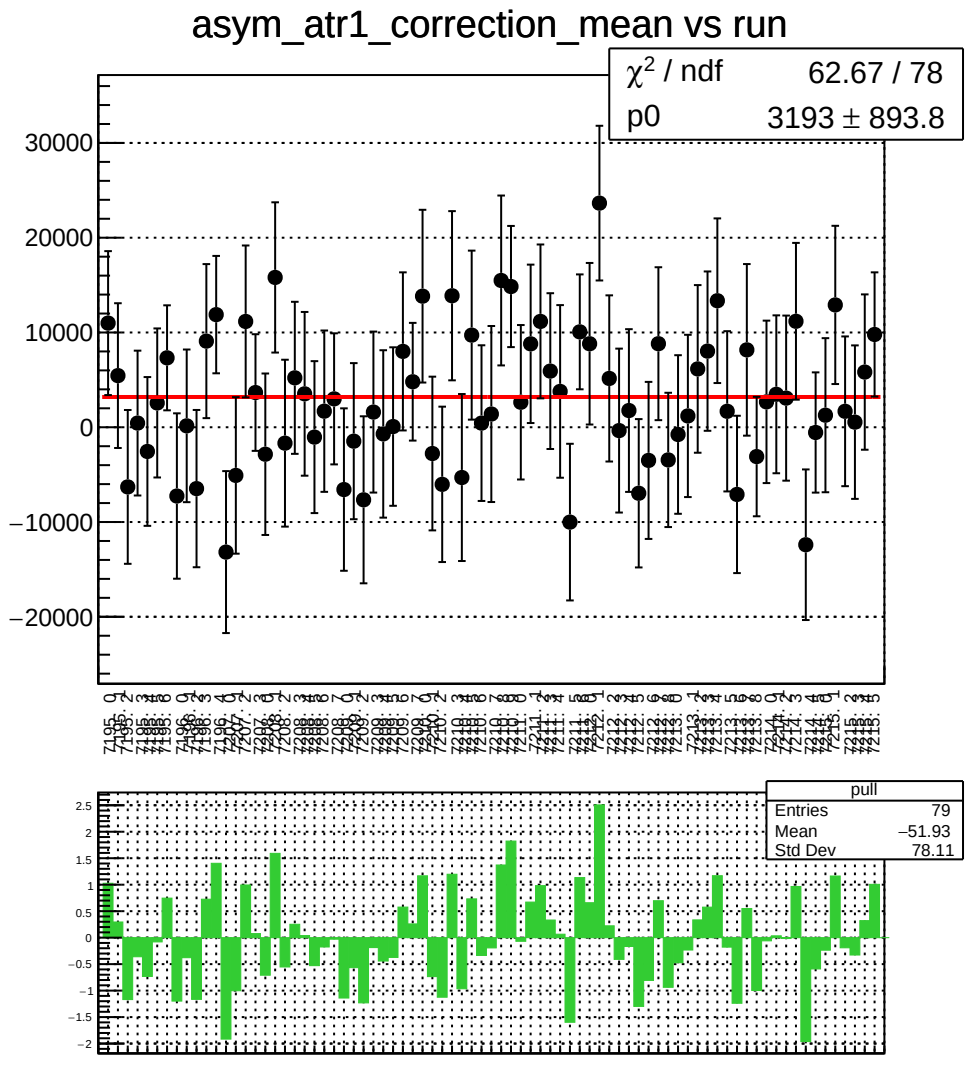

pull1D
Entries 79
Mean 0.01863
Std Dev 0.9452

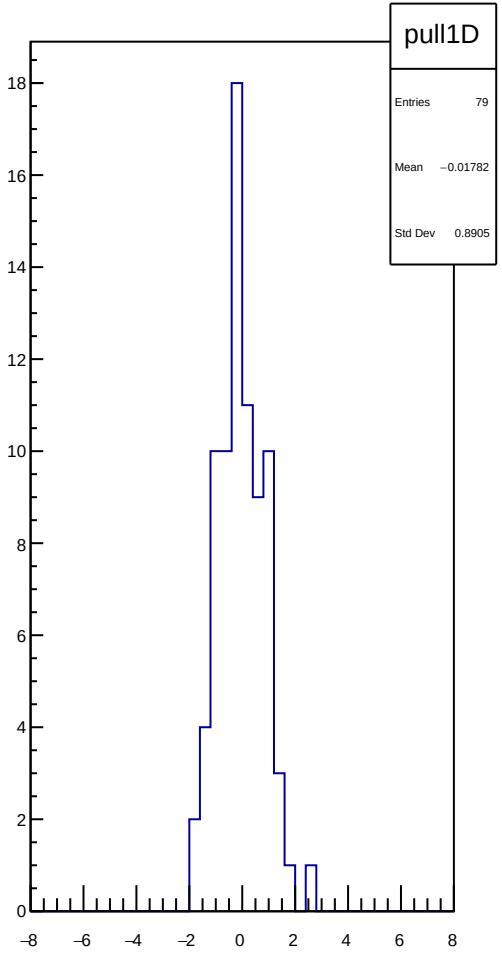

asym_atl2_rms vs run
χ² / ndf 5525 / 78
p0 1.028e+04 ± 8.219
12500
12000
11500
11000
10500
10000
9500
9000

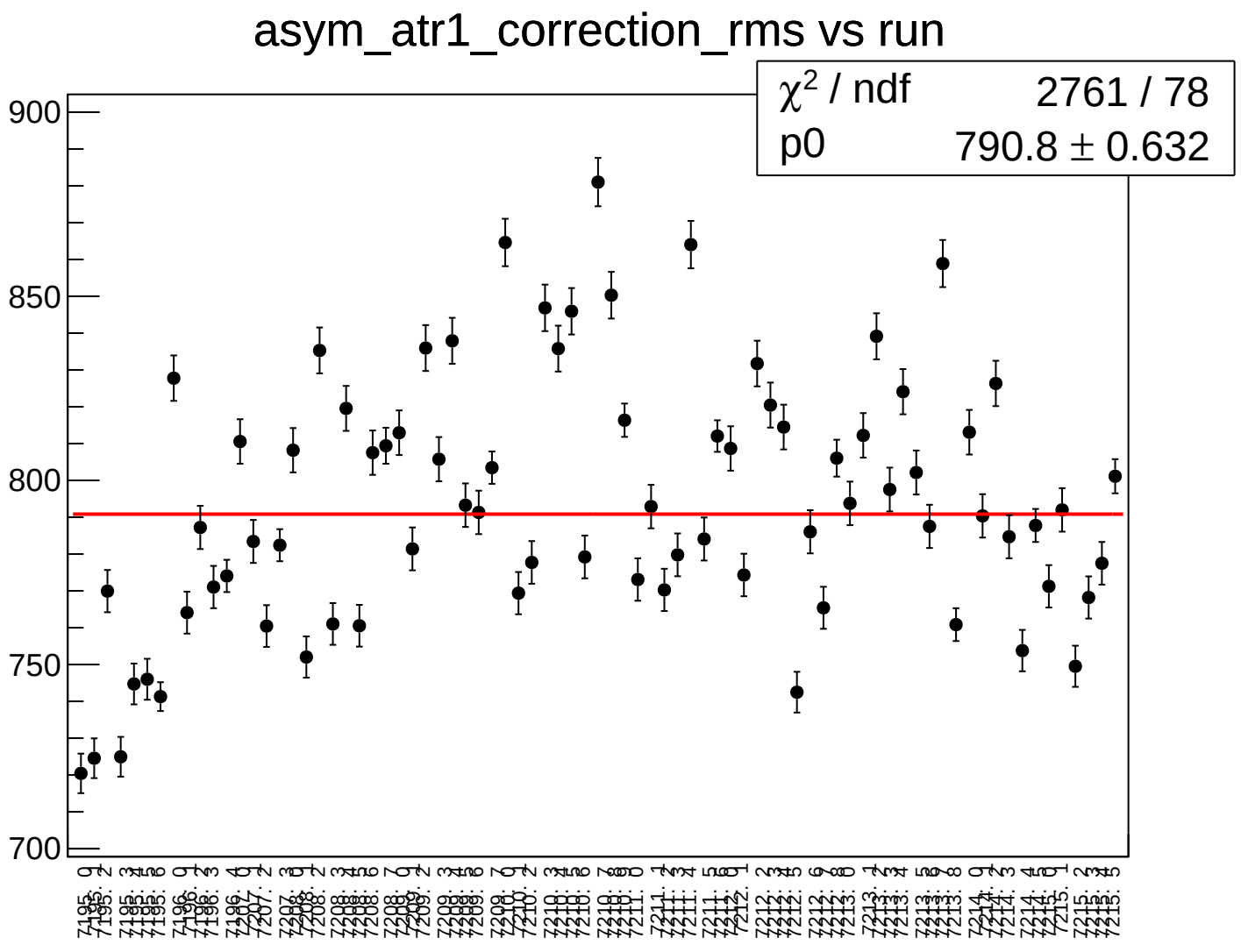

dit_asym_atr1_mean vs run
×10^3
χ² / ndf 67.48 / 78
p0 815 ± 3133
pull
Entries 79
Mean −828.2
Std Dev 872

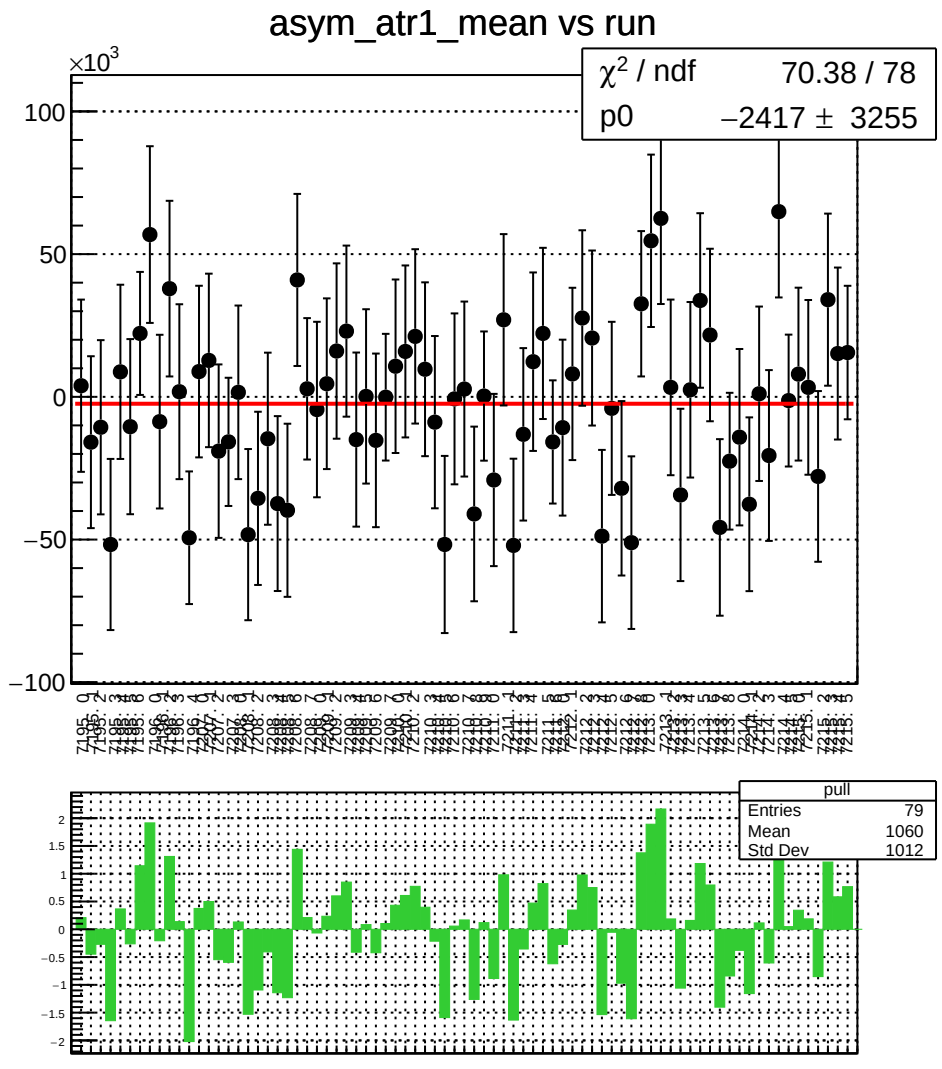

pull1D
Entries 79
Mean −0.003339
Std Dev 0.9242

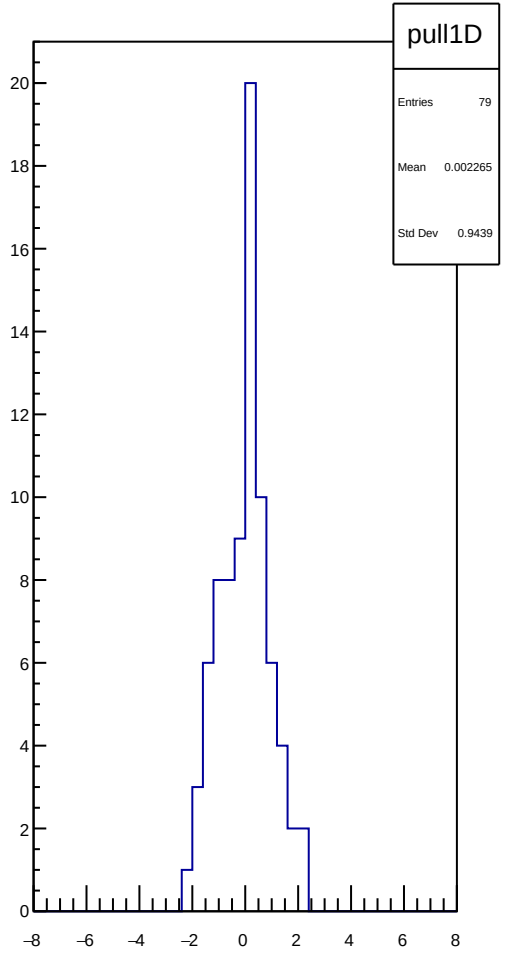

dit_asym_atr1_rms vs run
χ^2 / ndf 82.48 / 78
p0 2775 ± 2.216
2840
2820
2800
2780
2760
2740
2720
2700

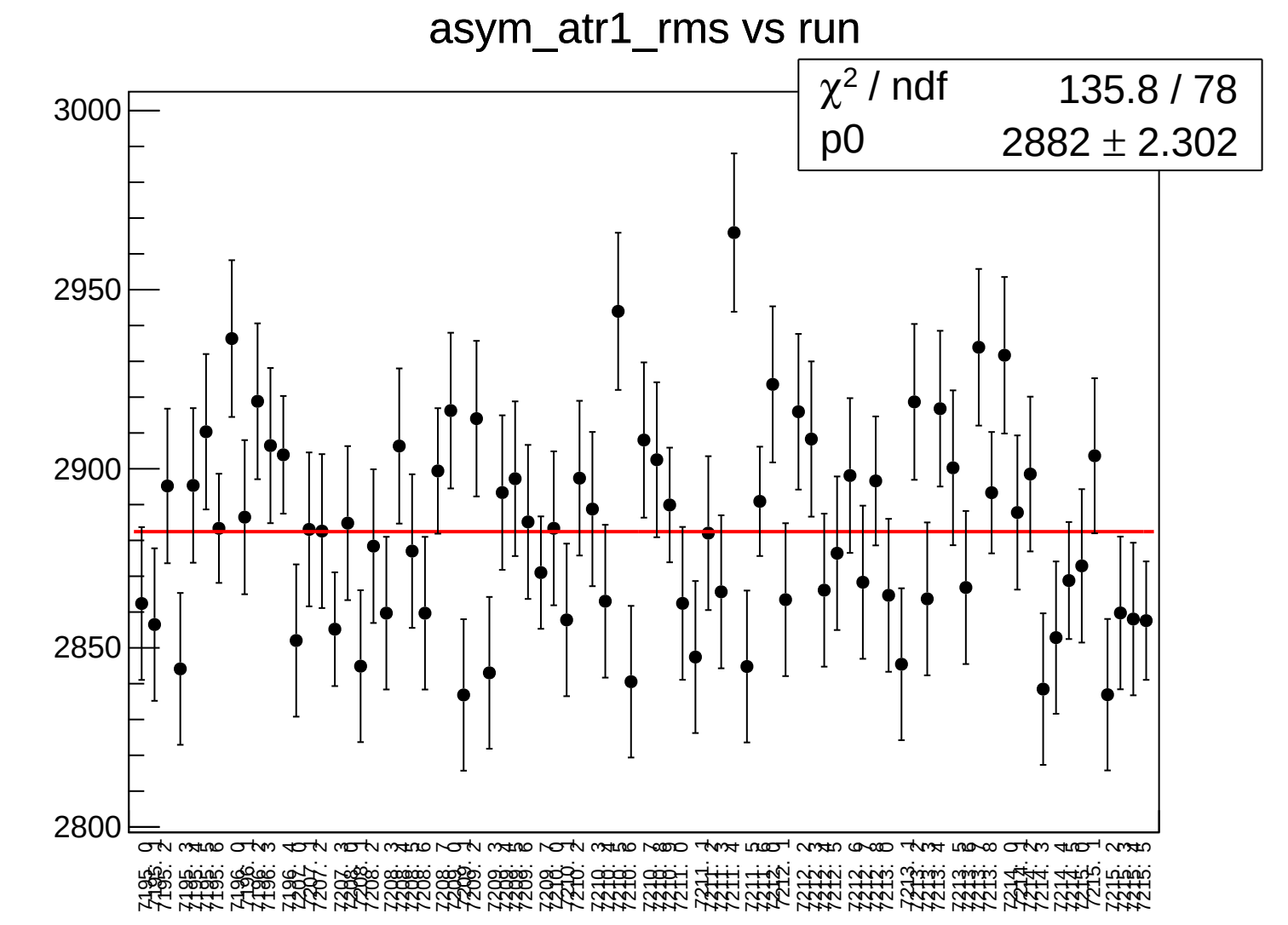

asym_atr1_correction_mean vs run
χ² / ndf 62.67 / 78
p0 3193 ± 893.8
30000
20000
10000
0
−10000
−20000
pull
Entries 79
Mean −51.93
Std Dev 78.11
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

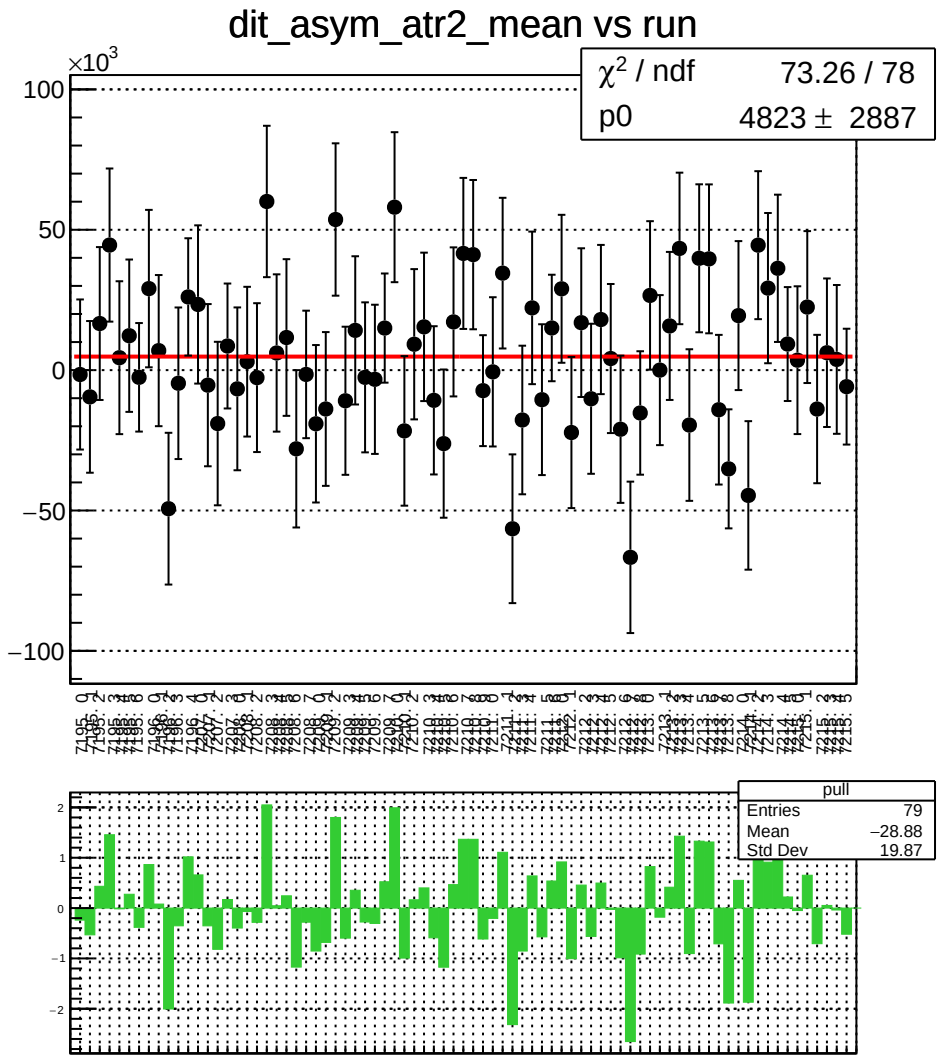

pull1D
Entries 79
Mean −0.01782
Std Dev 0.8905
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

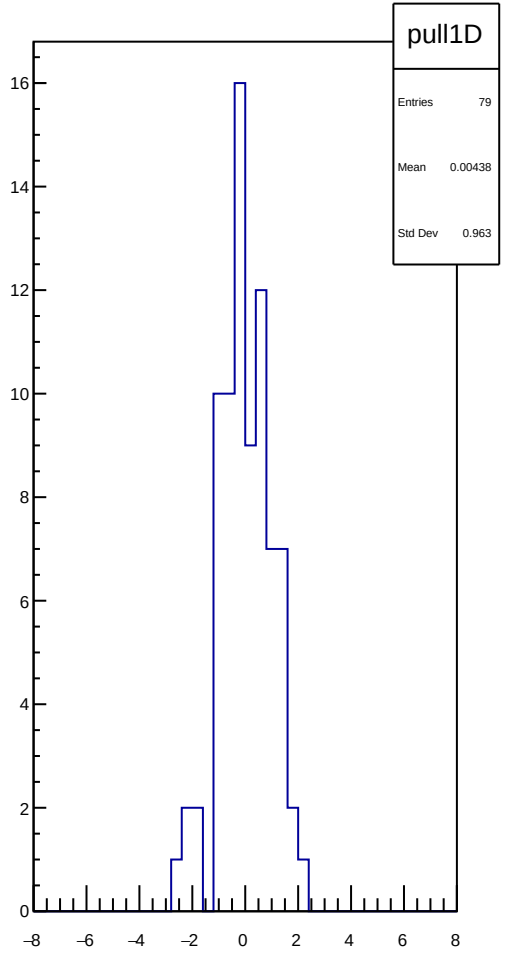

asym_atr1_correction_rms vs run
χ² / ndf 2761 / 78
p0 790.8 ± 0.632
900
850
800
750
700

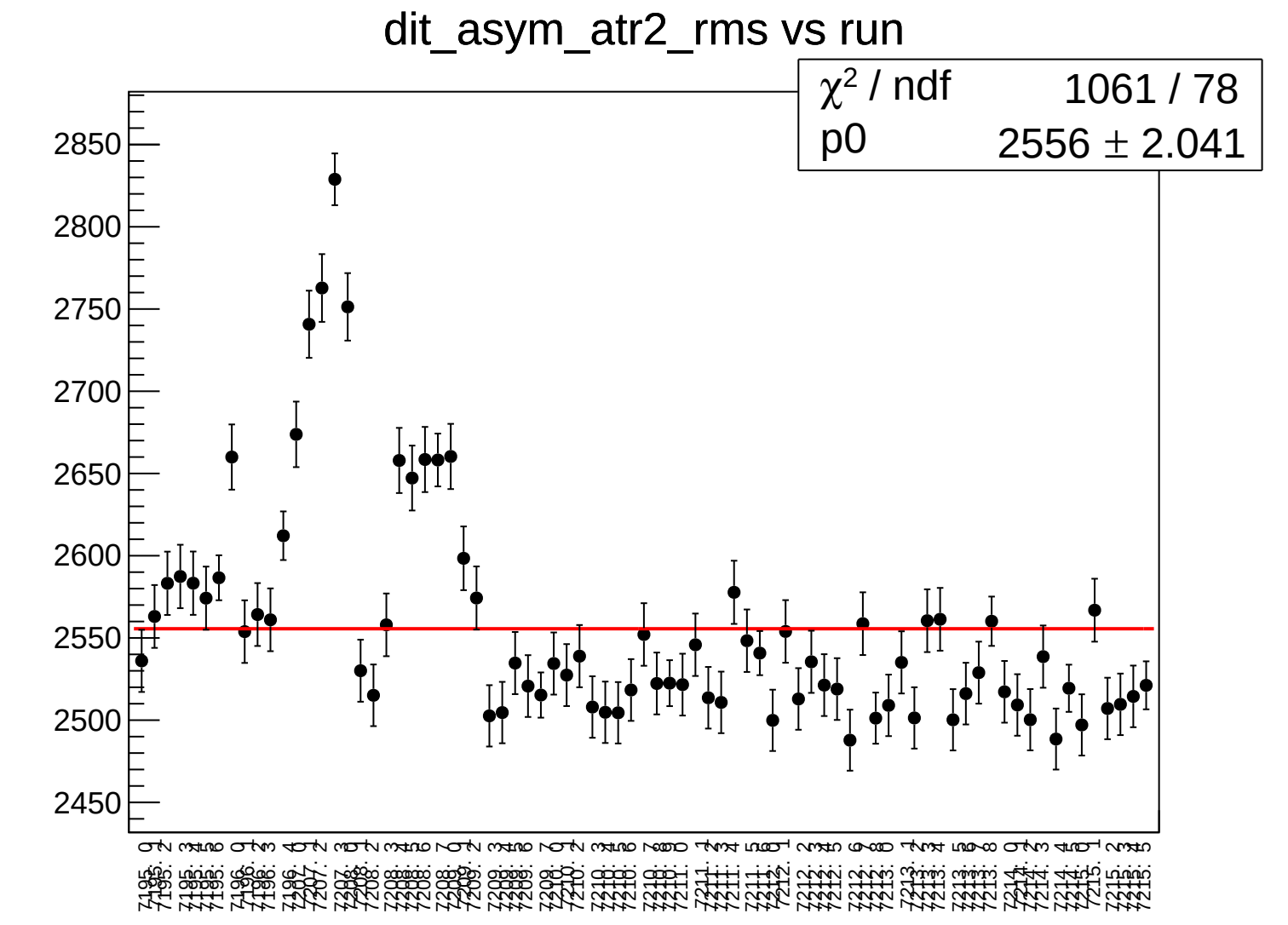

asym_atr1_mean vs run
×10^3
χ² / ndf 70.38 / 78
p0 −2417 ± 3255
100
50
0
−50
−100
pull
Entries 79
Mean 1060
Std Dev 1012
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

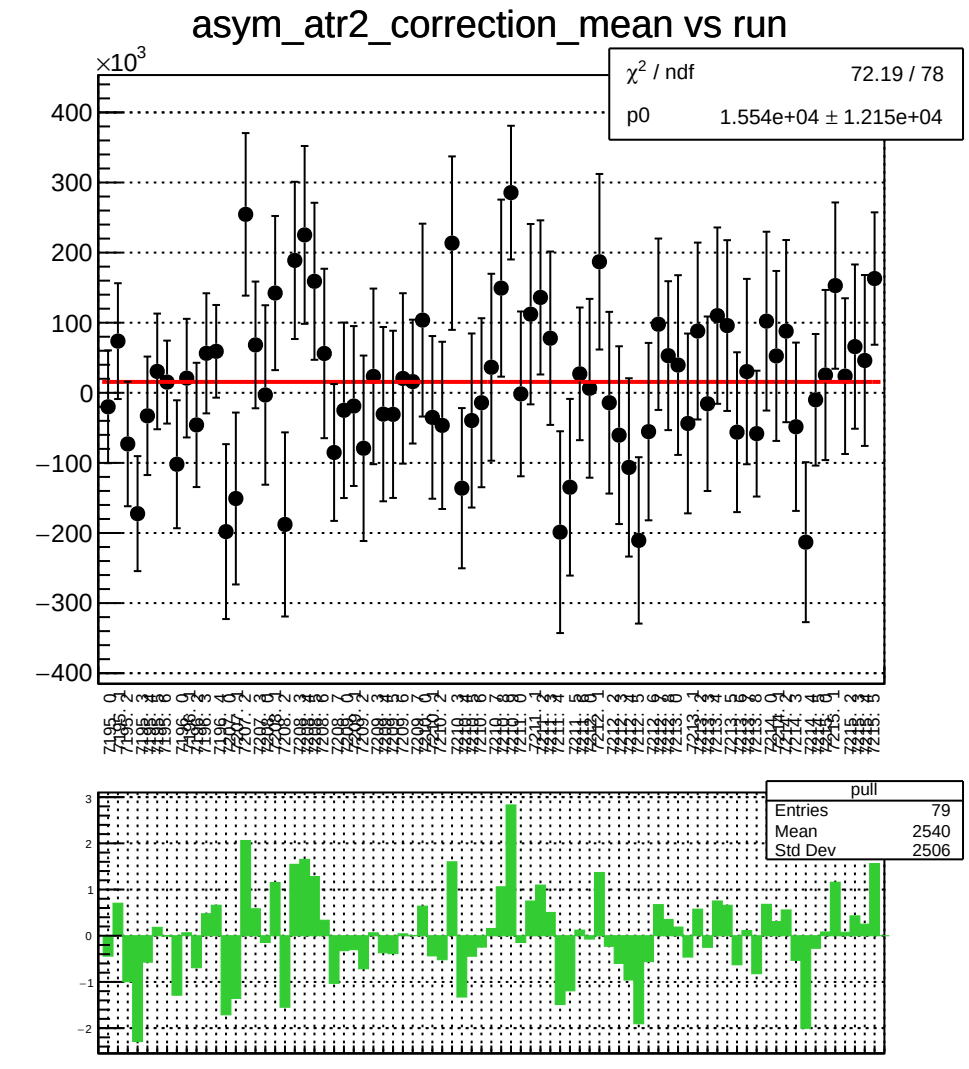

pull1D
Entries 79
Mean 0.002265
Std Dev 0.9439
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

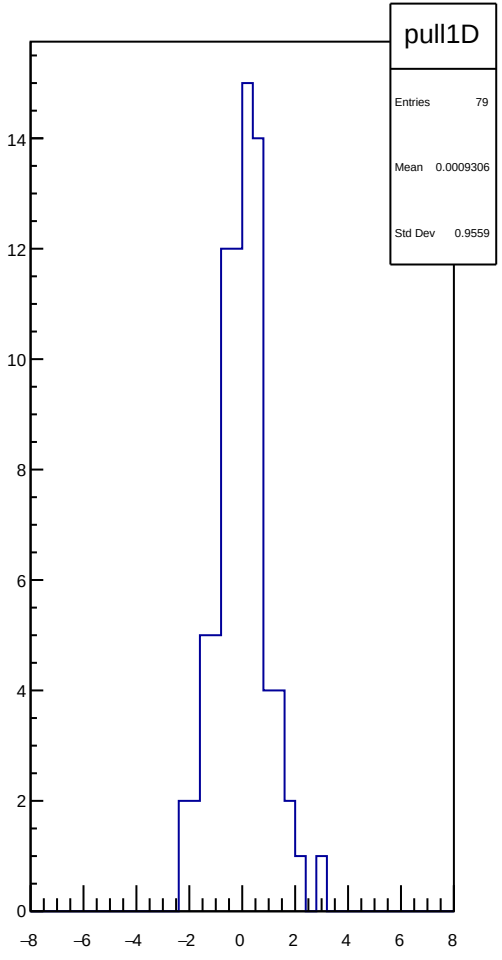

asym_atr1_rms vs run
χ² / ndf 135.8 / 78
p0 2882 ± 2.302
3000
2950
2900
2850
2800

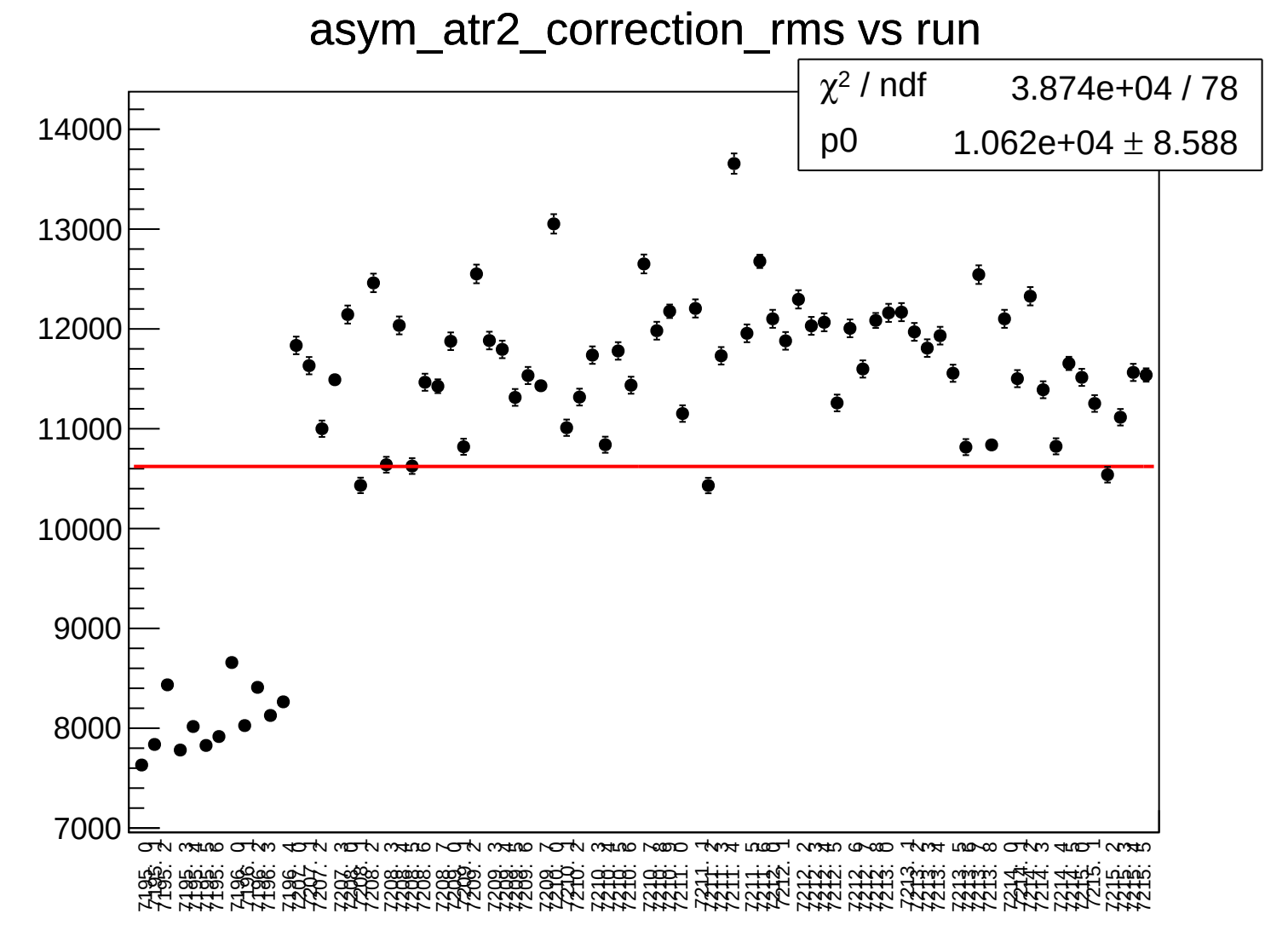

dit_asym_atr2_mean vs run
×10^3
χ² / ndf 73.26 / 78
p0 4823 ± 2887
100
50
0
−50
−100
pull
Entries 79
Mean −28.88
Std Dev 19.87
2
1
0
−1
−2

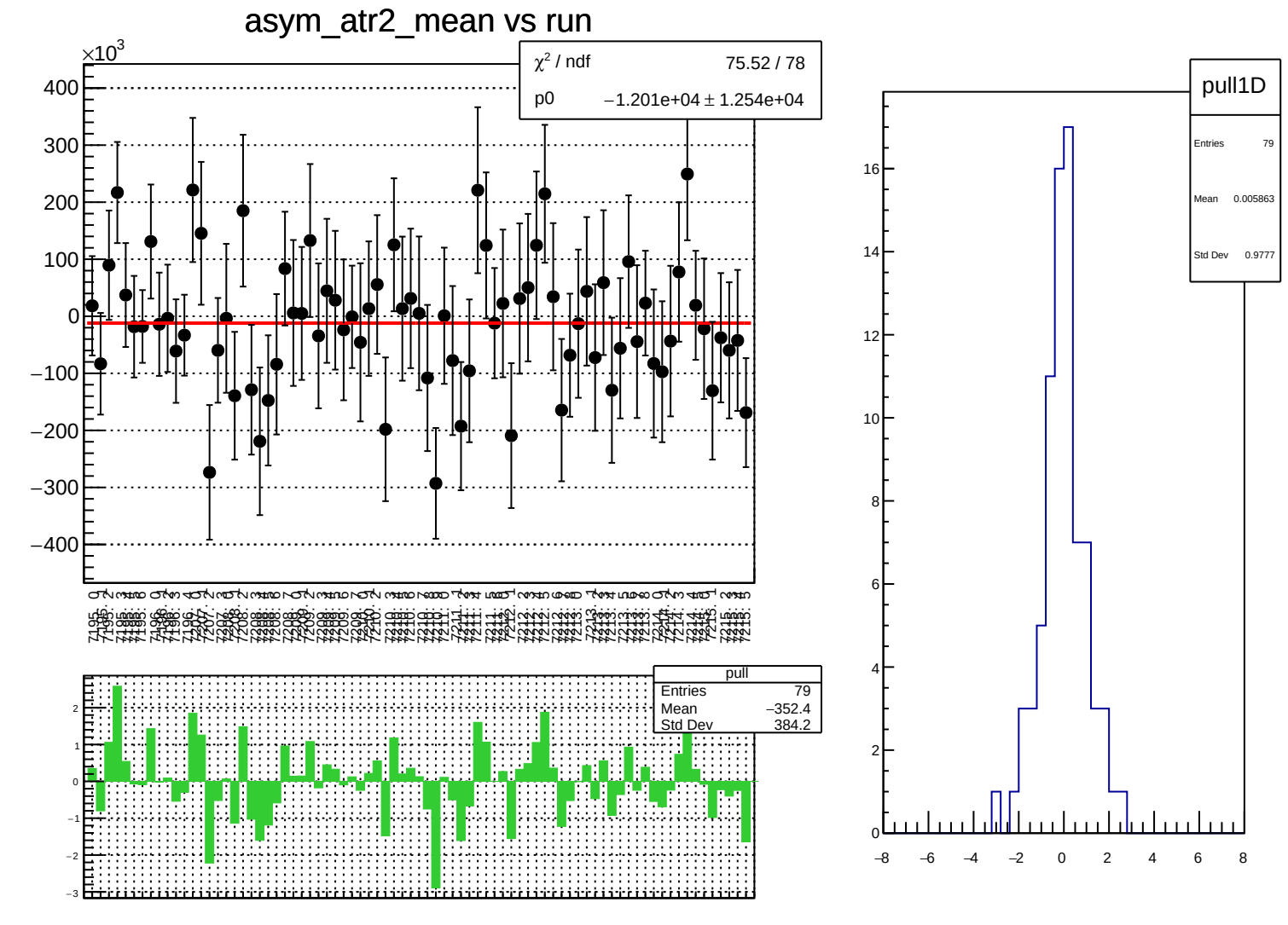

pull1D
Entries 79
Mean 0.00438
Std Dev 0.963
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

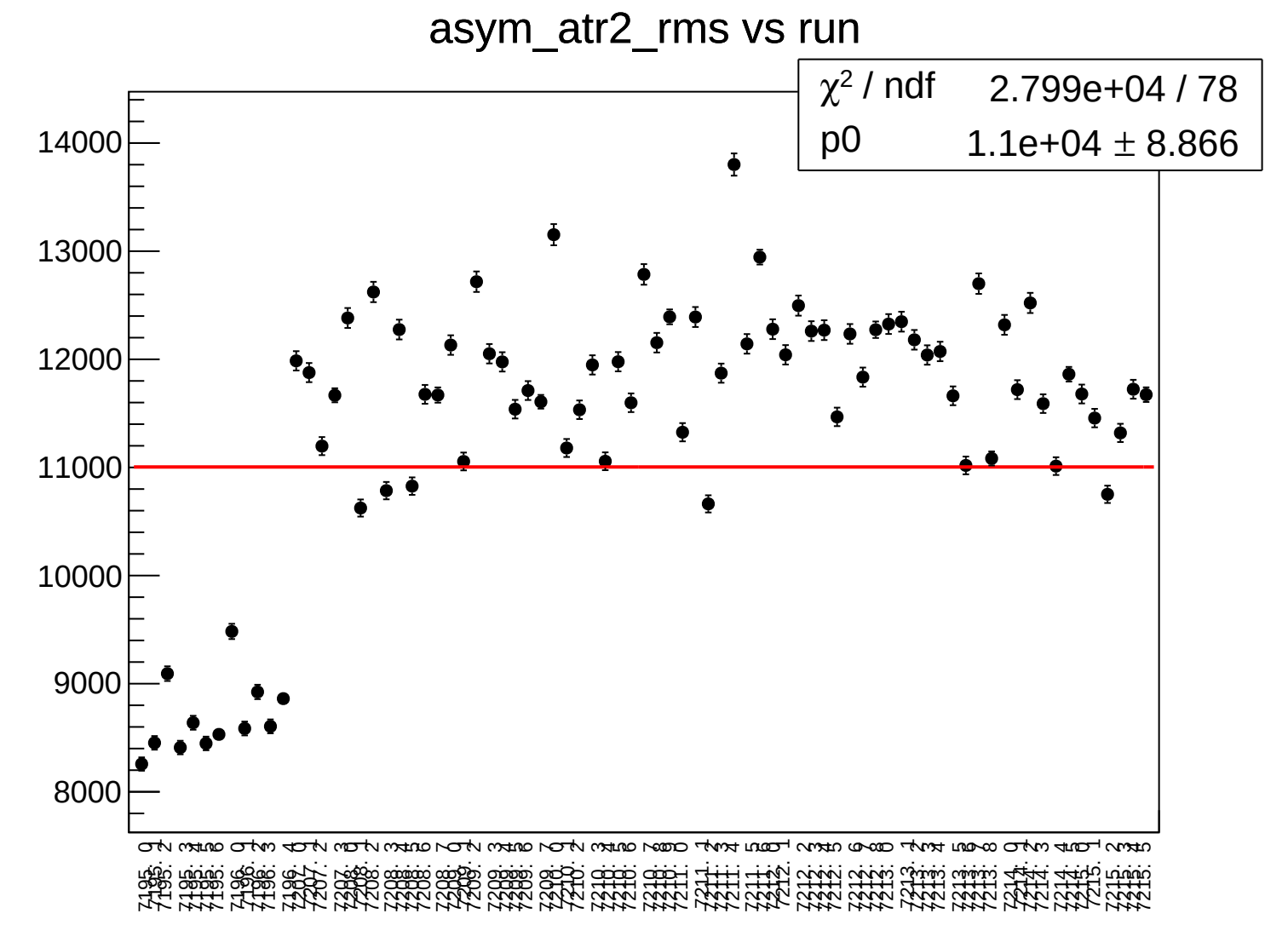

dit_asym_atr2_rms vs run
χ² / ndf 1061 / 78
p0 2556 ± 2.041
2850
2800
2750
2700
2650
2600
2550
2500
2450

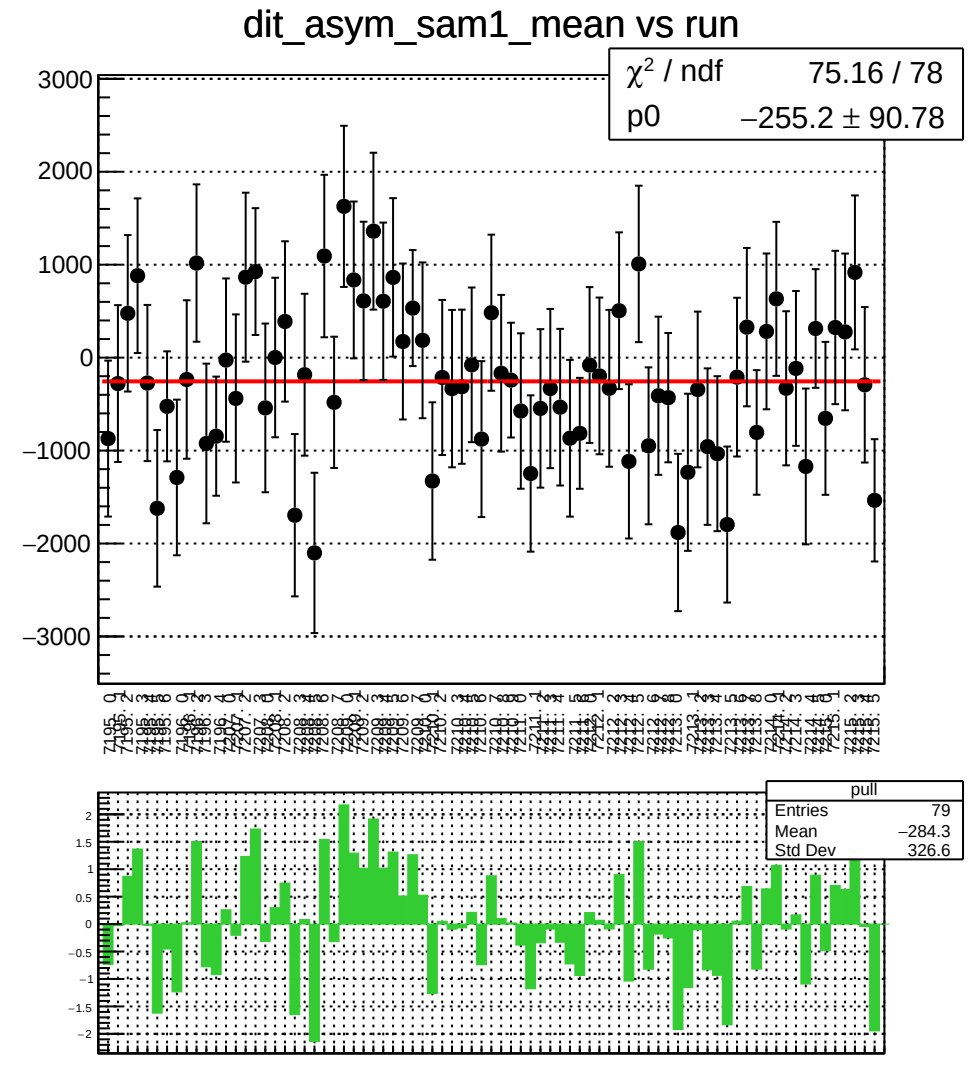

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 72.19 / 78
p0 1.554e+04 ± 1.215e+04
pull
Entries 79
Mean 2540
Std Dev 2506

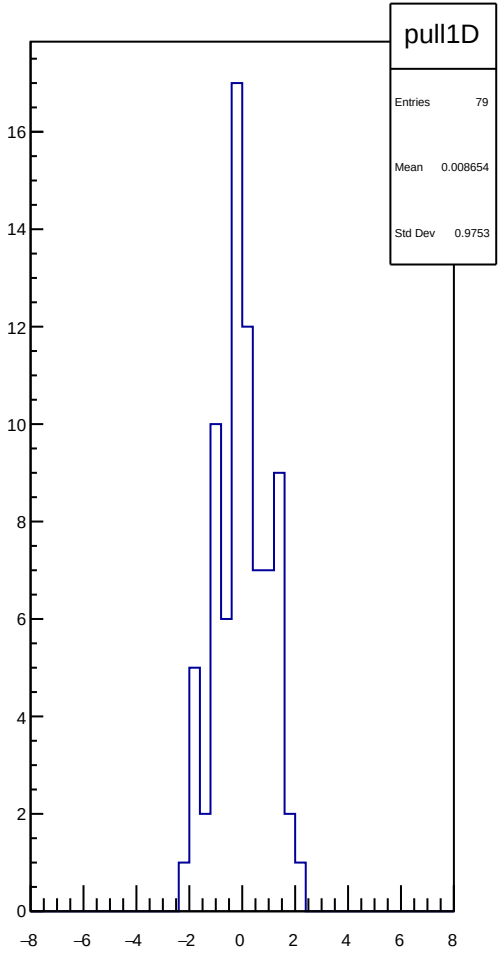

pull1D
Entries 79
Mean 0.0009306
Std Dev 0.9559

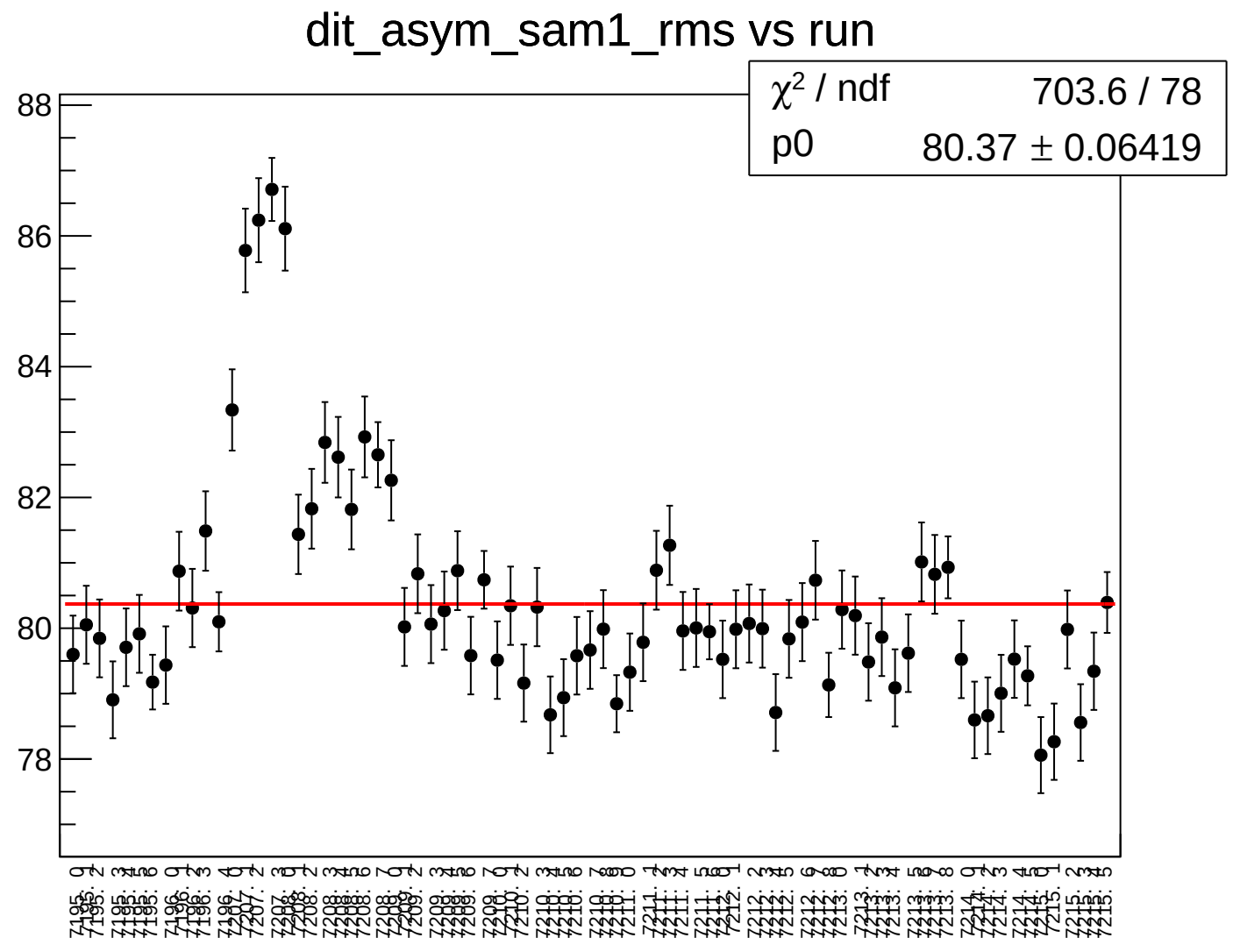

asym_atr2_correction_rms vs run
χ² / ndf 3.874e+04 / 78
p0 1.062e+04 ± 8.588
14000
13000
12000
11000
10000
9000
8000
7000

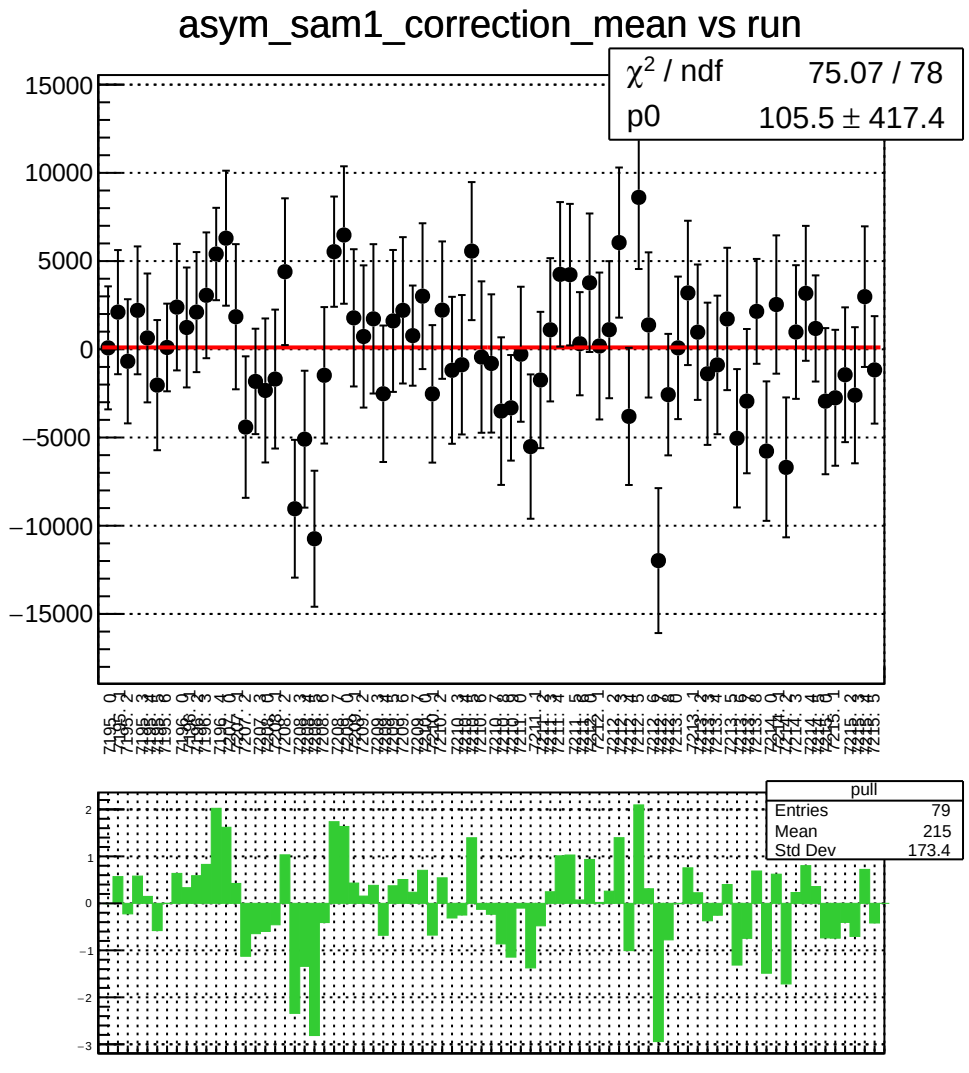

asym_atr2_mean vs run
×10^3
χ² / ndf 75.52 / 78
p0 −1.201e+04 ± 1.254e+04
pull
Entries 79
Mean −352.4
Std Dev 384.2
pull1D
Entries 79
Mean 0.005863
Std Dev 0.9777

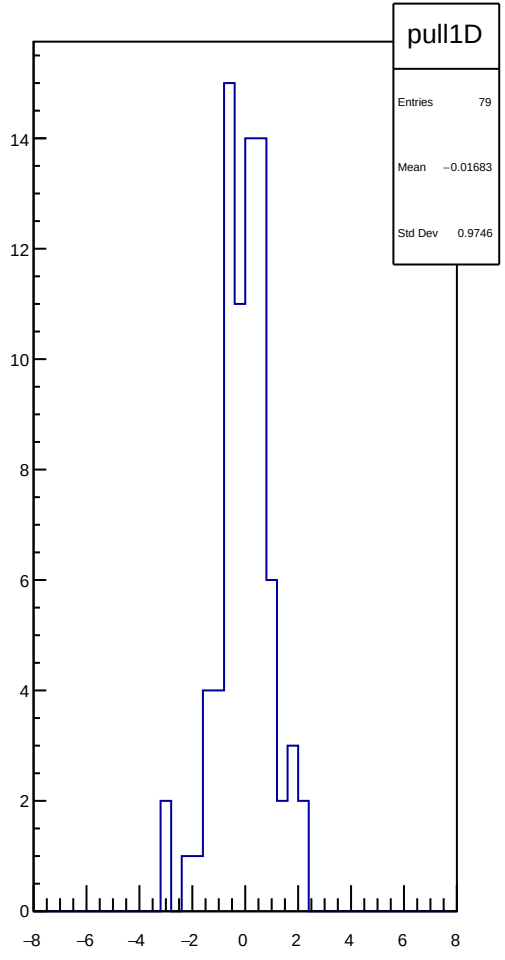

asym_atr2_rms vs run
χ² / ndf 2.799e+04 / 78
p0 1.1e+04 ± 8.866
14000
13000
12000
11000
10000
9000
8000

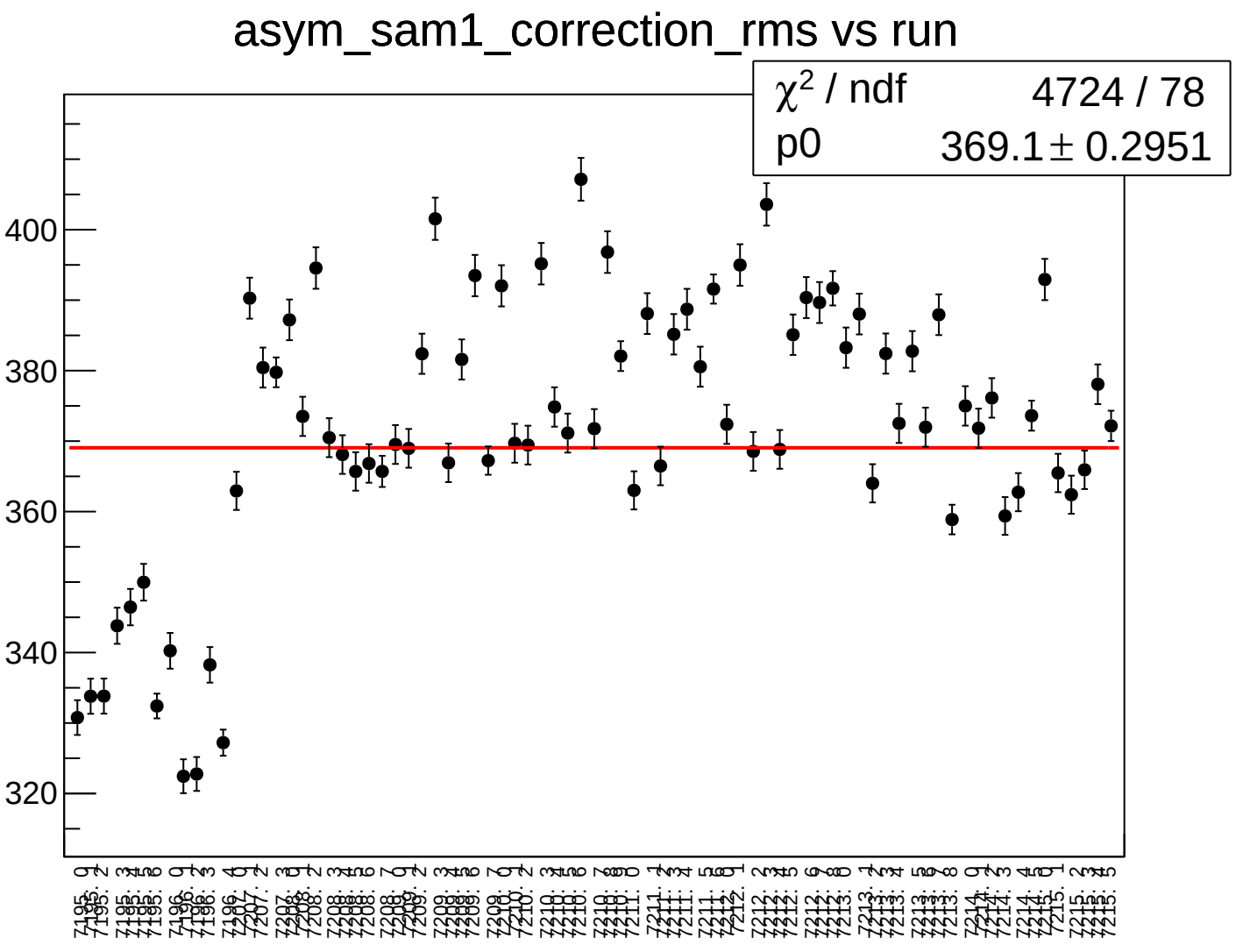

dit_asym_sam1_mean vs run
χ² / ndf 75.16 / 78
p0 −255.2 ± 90.78
pull
Entries 79
Mean −284.3
Std Dev 326.6

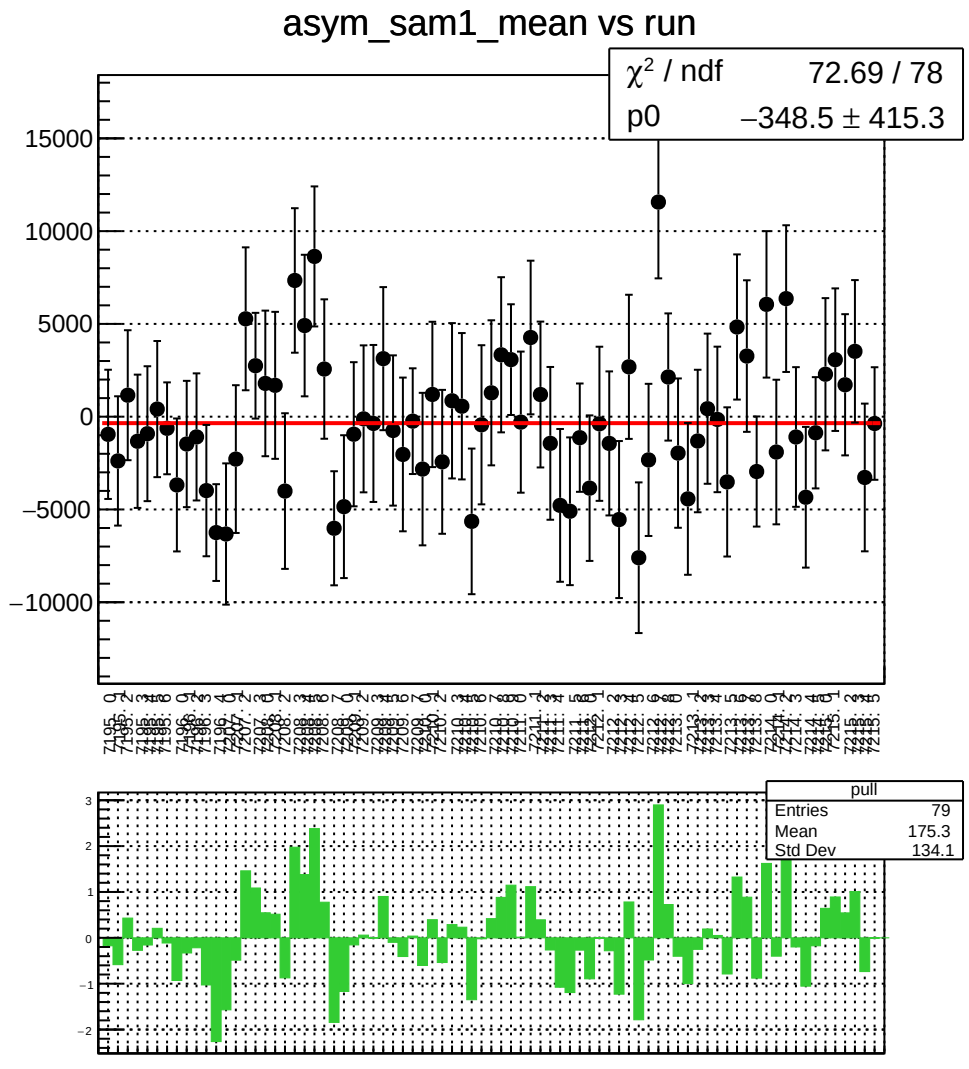

pull1D
Entries 79
Mean 0.008654
Std Dev 0.9753

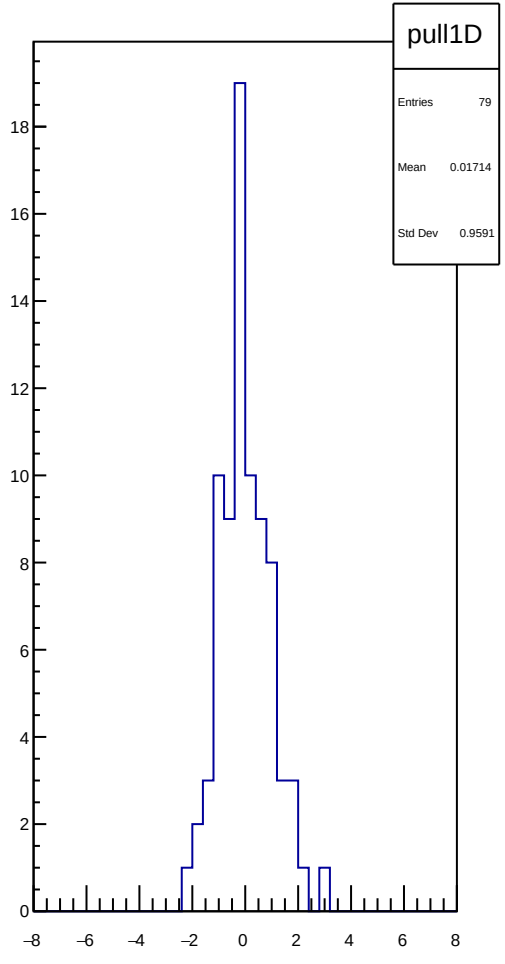

dit_asym_sam1_rms vs run
χ² / ndf 703.6 / 78
p0 80.37 ± 0.06419
88
86
84
82
80
78

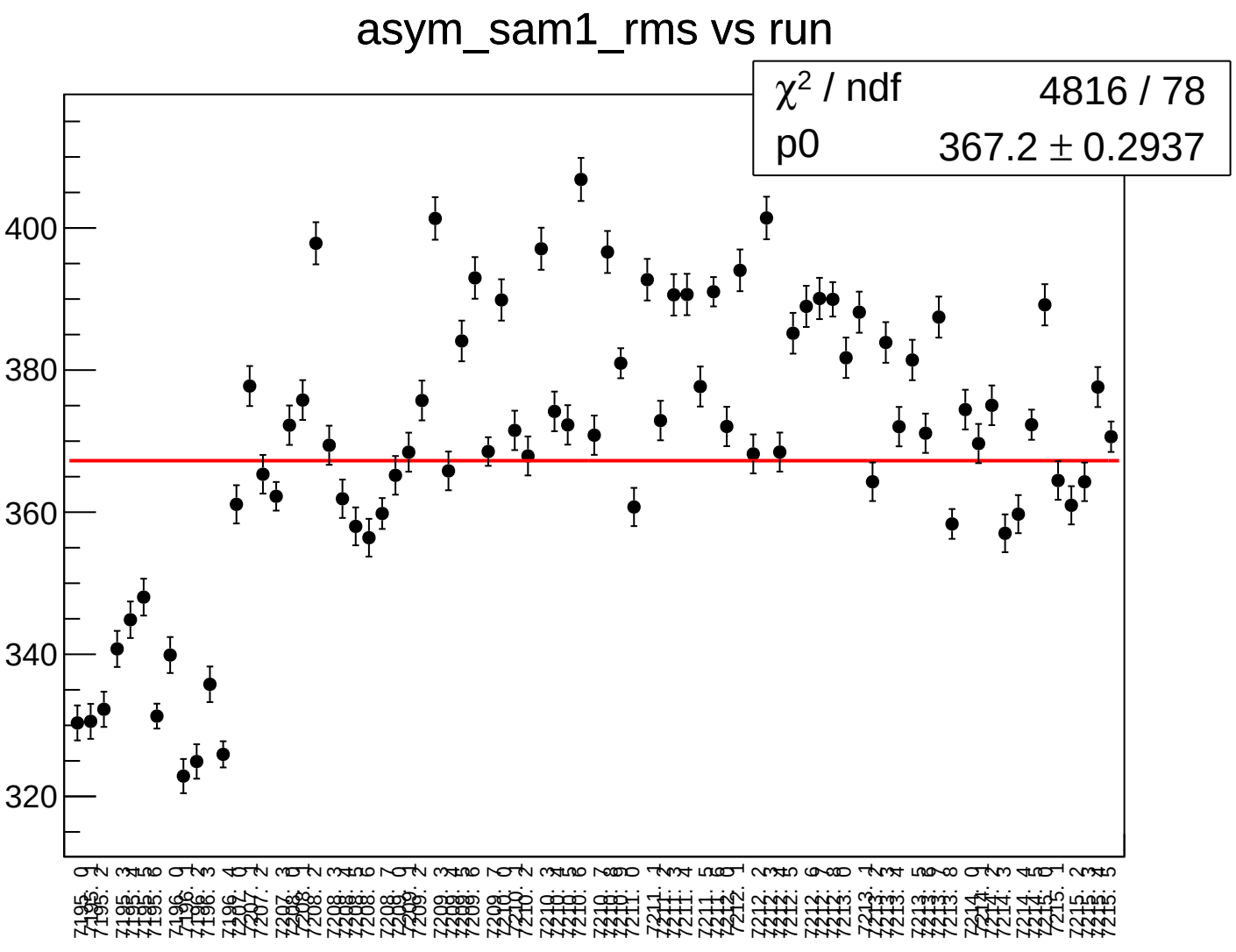

asym_sam1_correction_mean vs run
χ² / ndf 75.07 / 78
p0 105.5 ± 417.4
pull
Entries 79
Mean 215
Std Dev 173.4

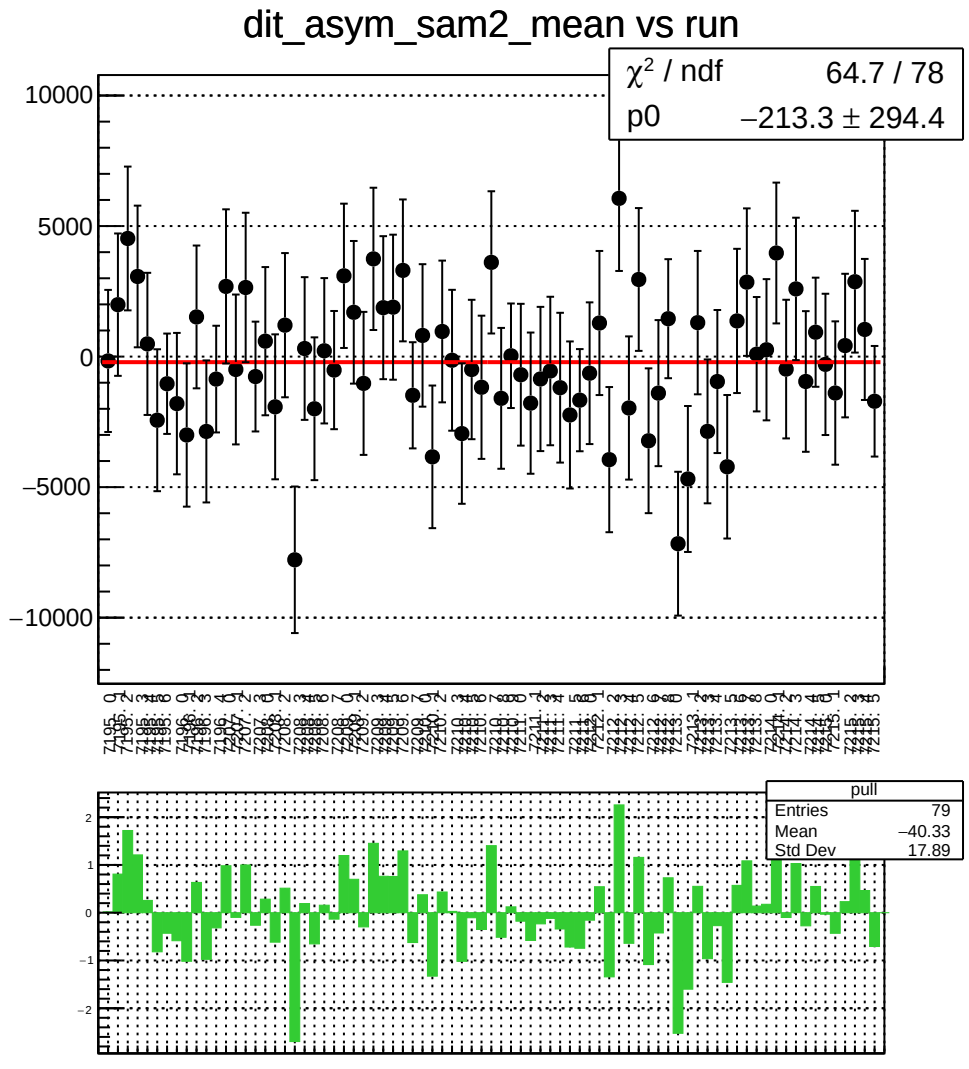

pull1D
Entries 79
Mean −0.01683
Std Dev 0.9746

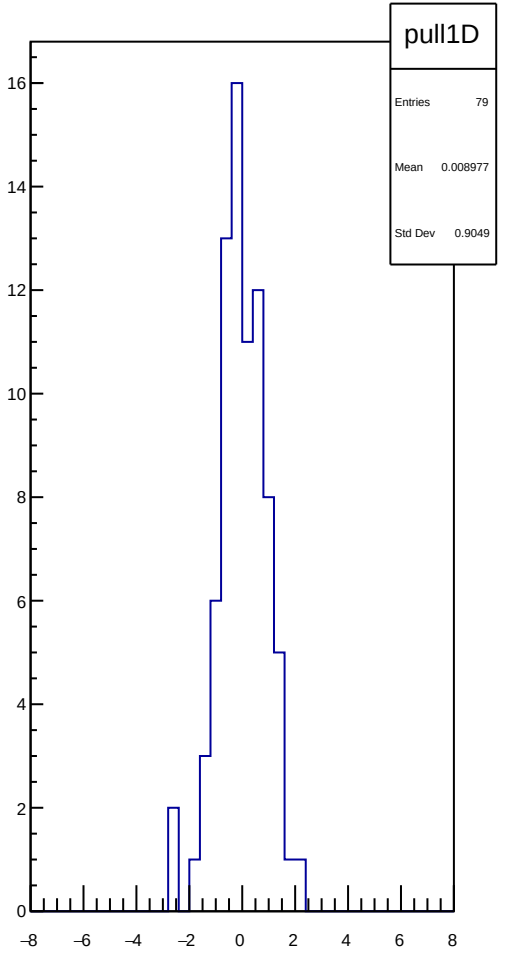

asym_sam1_correction_rms vs run
χ² / ndf 4724 / 78
p0 369.1 ± 0.2951
400
380
360
340
320

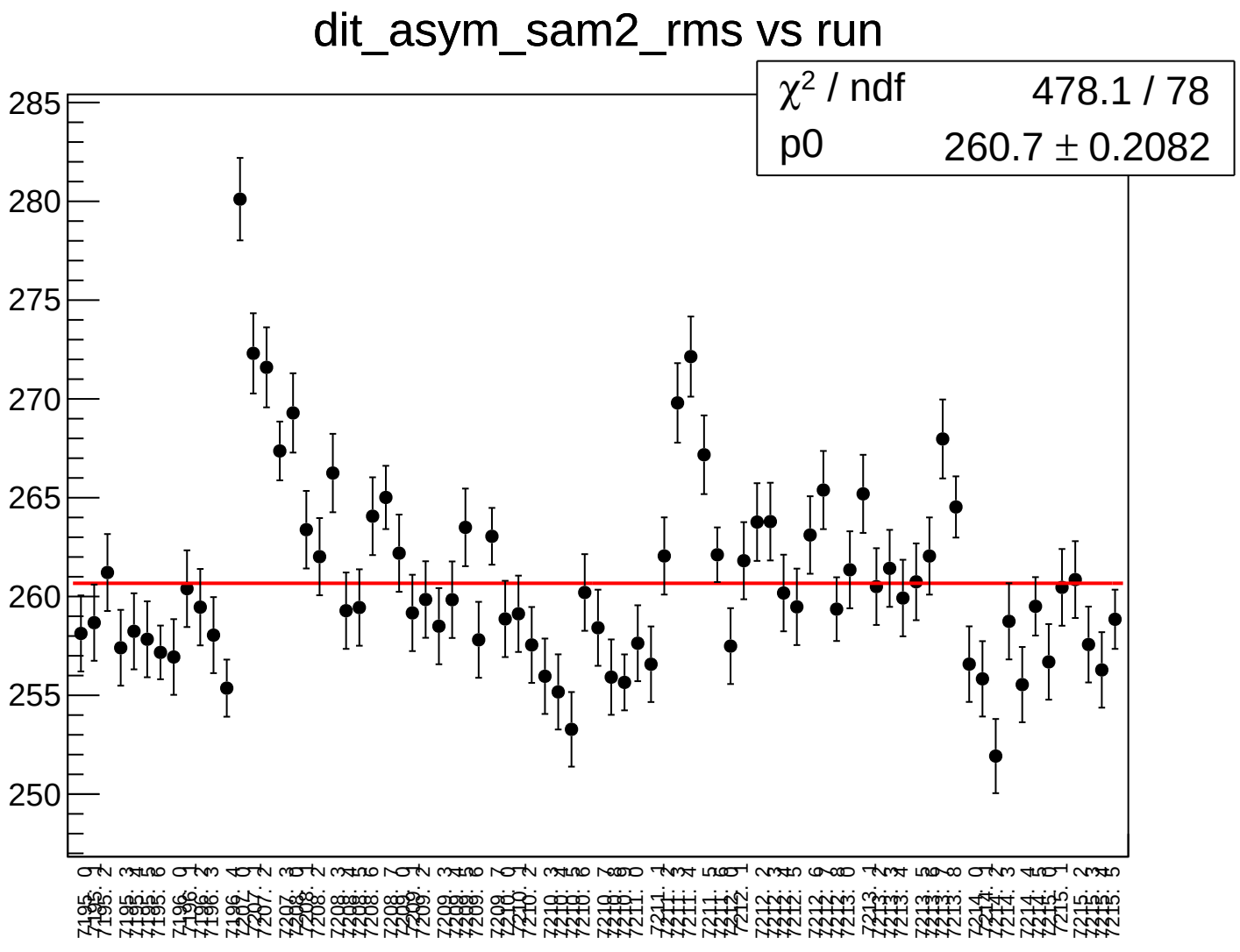

asym_sam1_mean vs run
χ² / ndf 72.69 / 78
p0 −348.5 ± 415.3
15000
10000
5000
0
−5000
−10000
pull
Entries 79
Mean 175.3
Std Dev 134.1
3
2
1
0
−1
−2

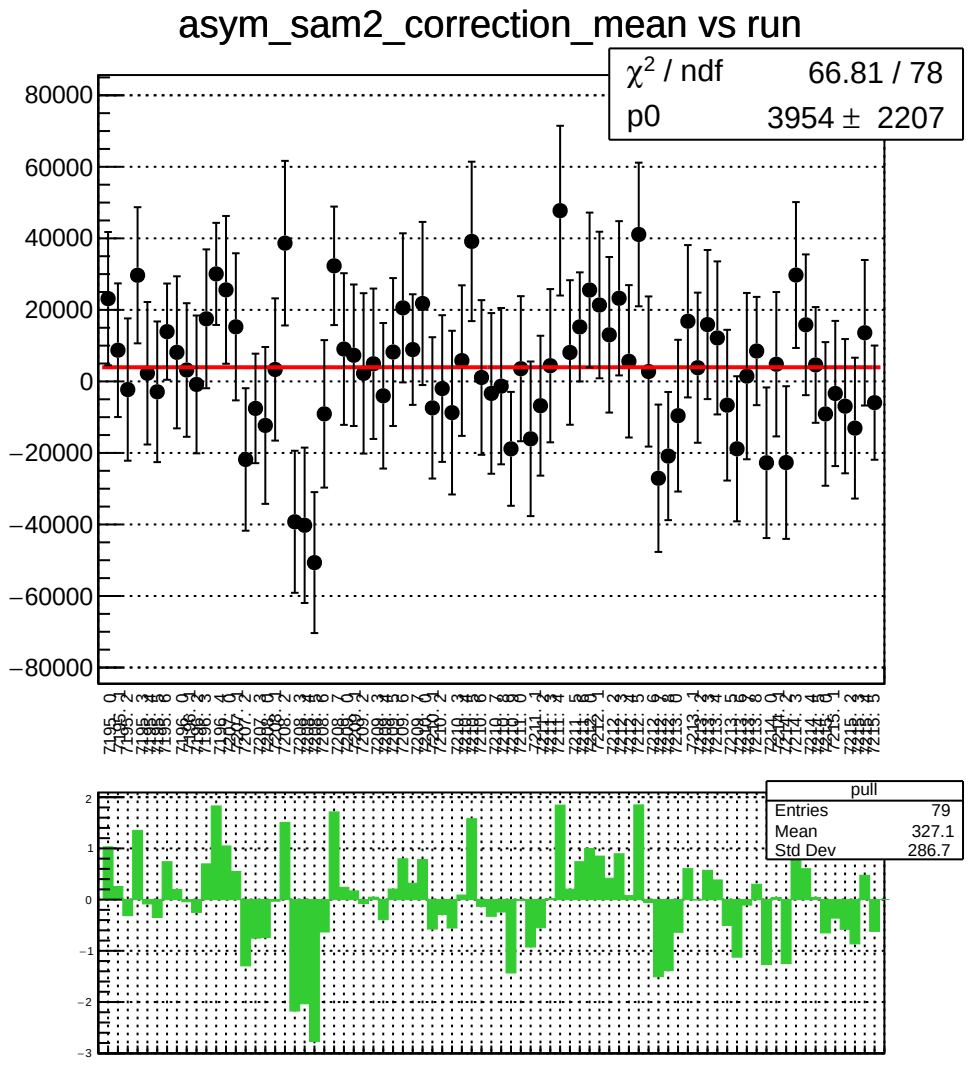

pull1D
Entries 79
Mean 0.01714
Std Dev 0.9591
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

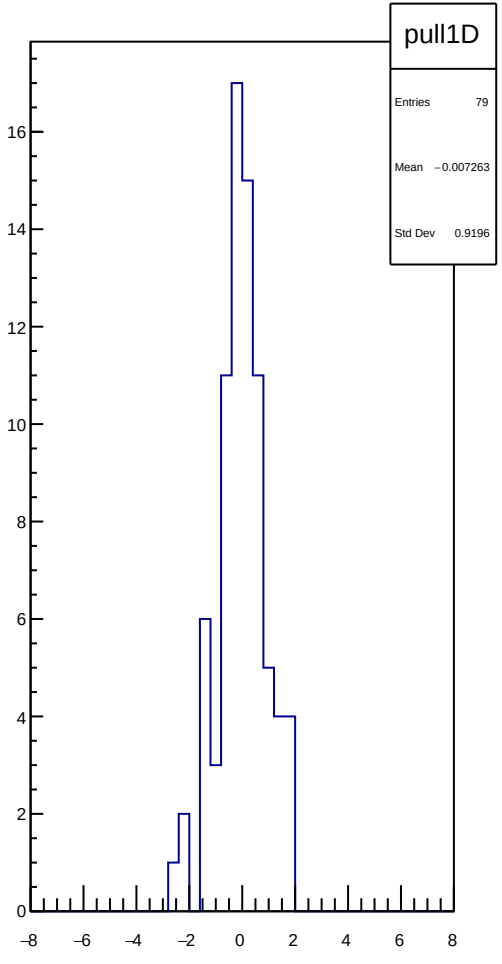

asym_sam1_rms vs run
χ² / ndf 4816 / 78
p0 367.2 ± 0.2937
400
380
360
340
320

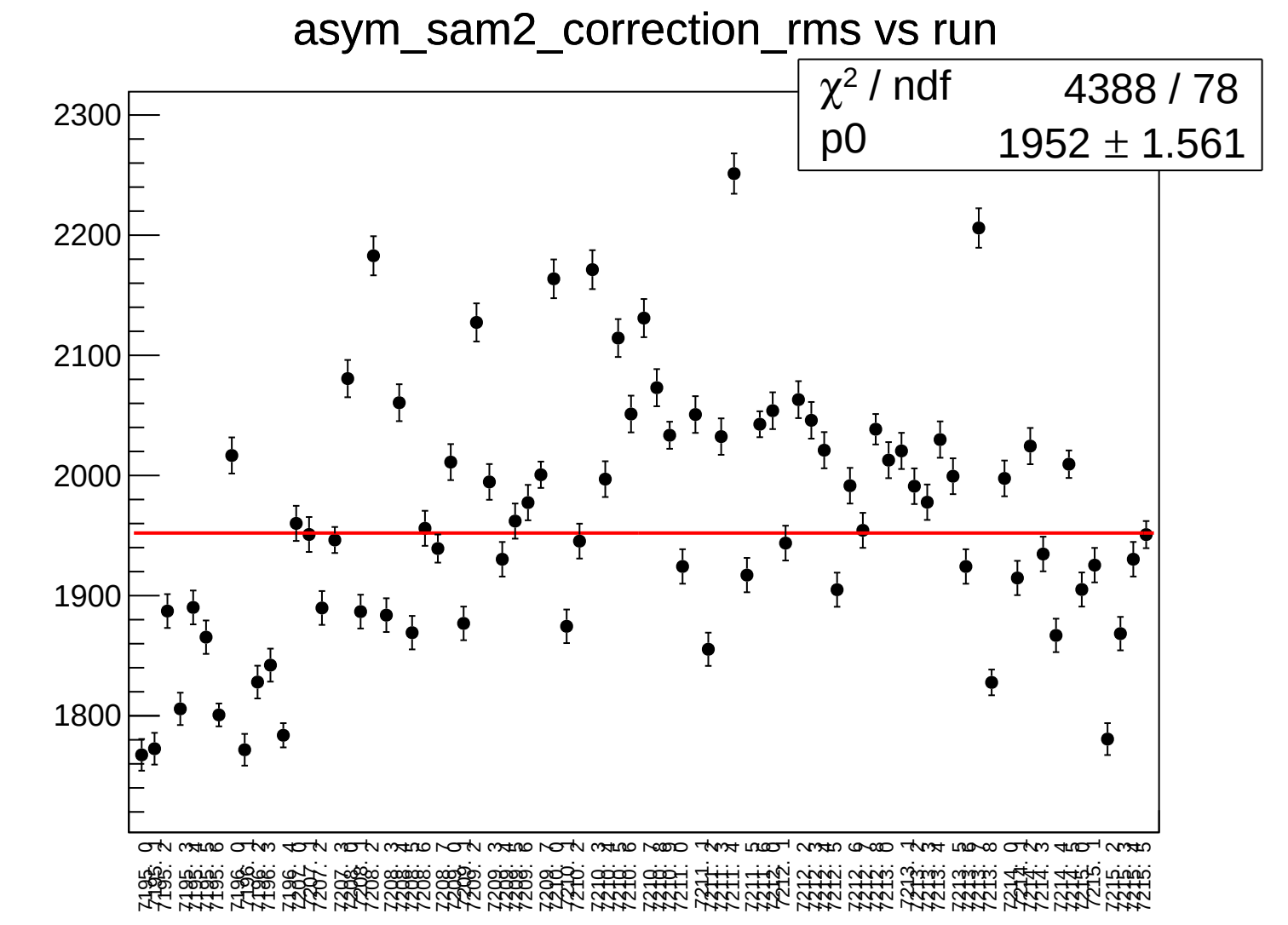

dit_asym_sam2_mean vs run
χ² / ndf 64.7 / 78
p0 −213.3 ± 294.4
10000
5000
0
−5000
−10000
pull
Entries 79
Mean −40.33
Std Dev 17.89
2
1
0
−1
−2

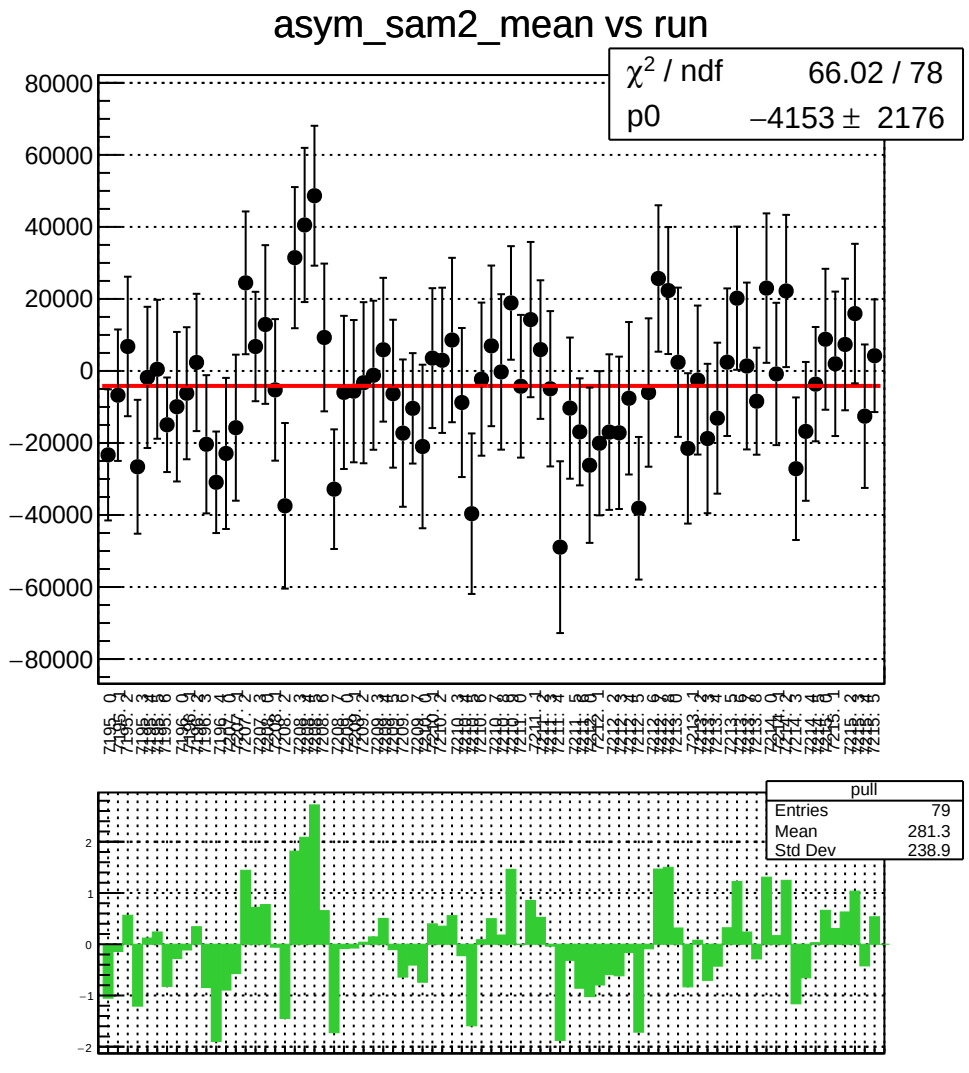

pull1D
Entries 79
Mean 0.008977
Std Dev 0.9049
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

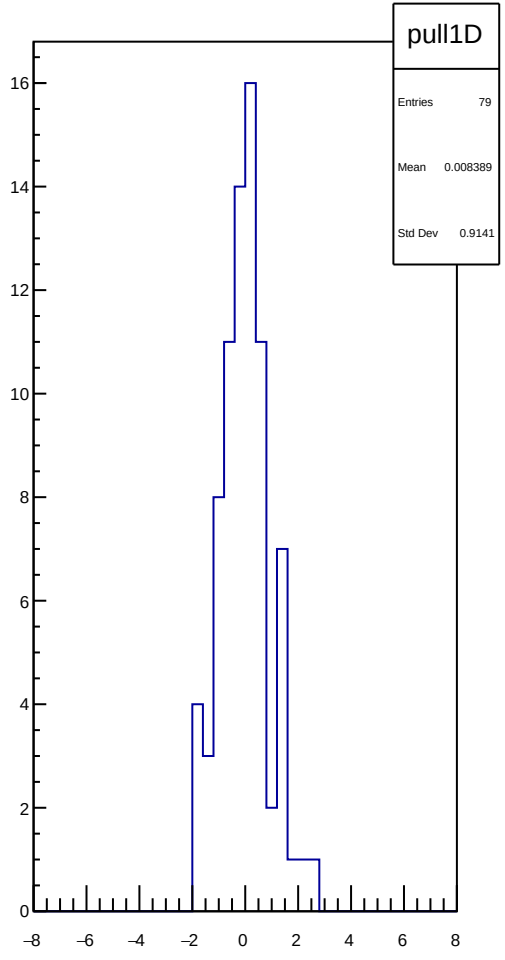

dit_asym_sam2_rms vs run
χ² / ndf 478.1 / 78
p0 260.7 ± 0.2082
285
280
275
270
265
260
255
250

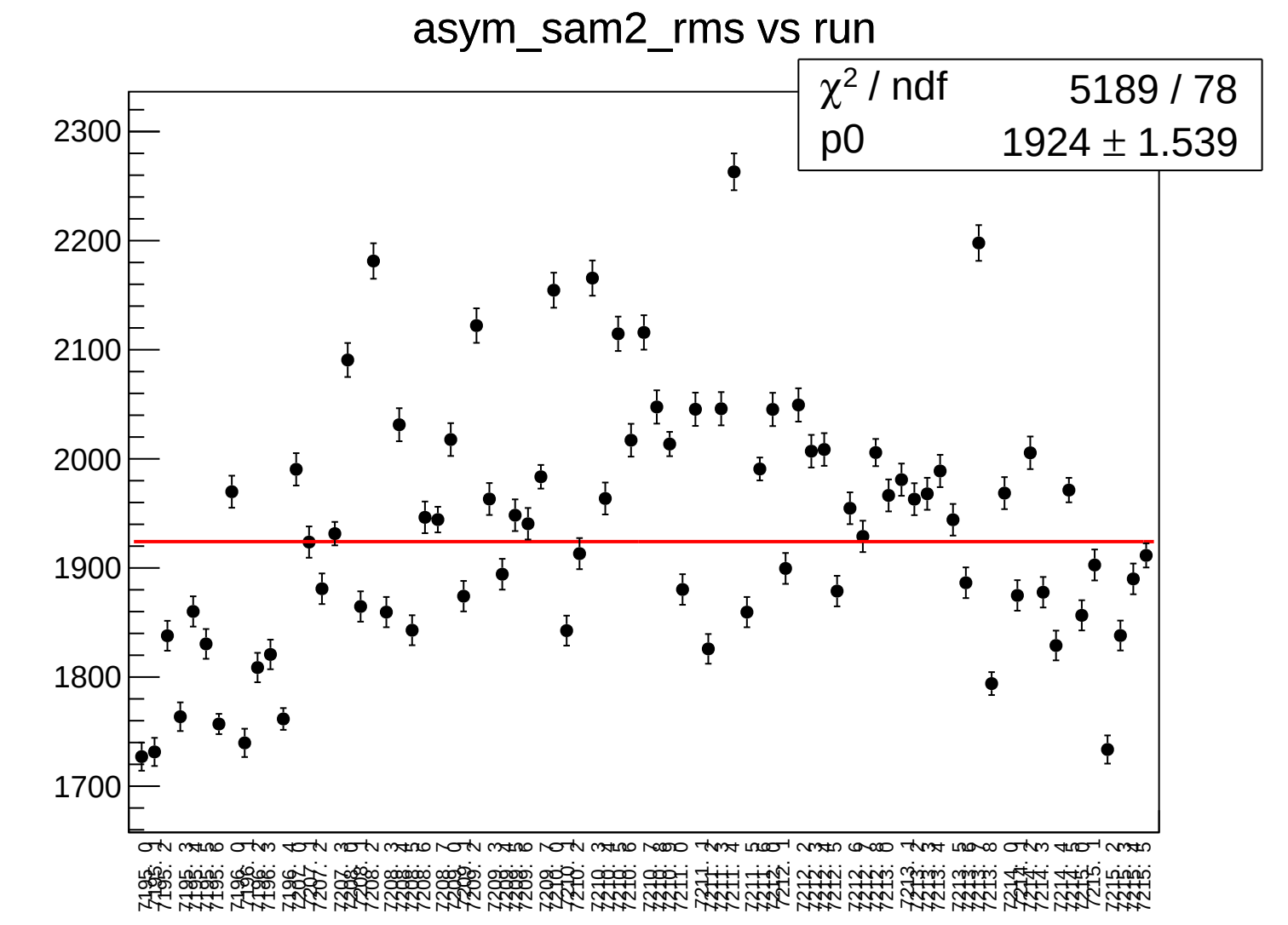

asym_sam2_correction_mean vs run
χ² / ndf 66.81 / 78
p0 3954 ± 2207
pull
Entries 79
Mean 327.1
Std Dev 286.7

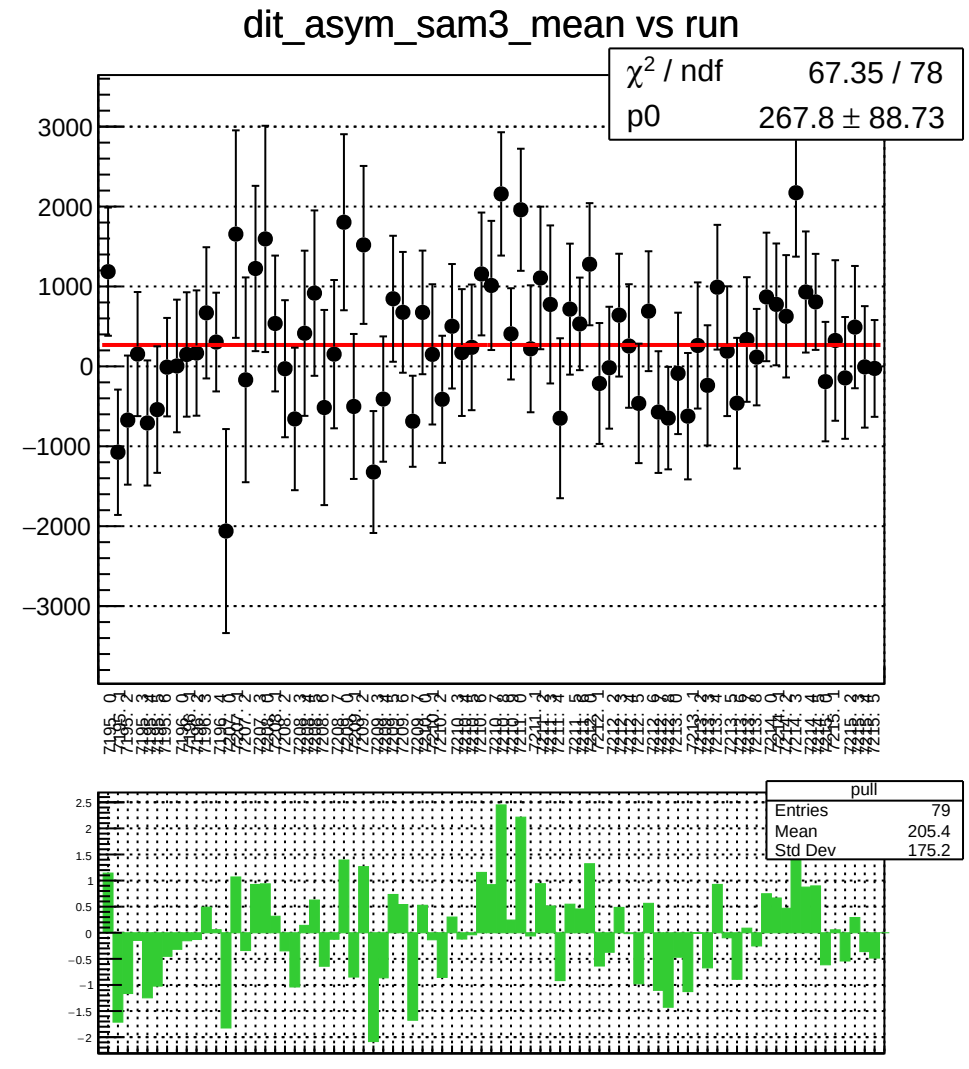

pull1D
Entries 79
Mean −0.007263
Std Dev 0.9196

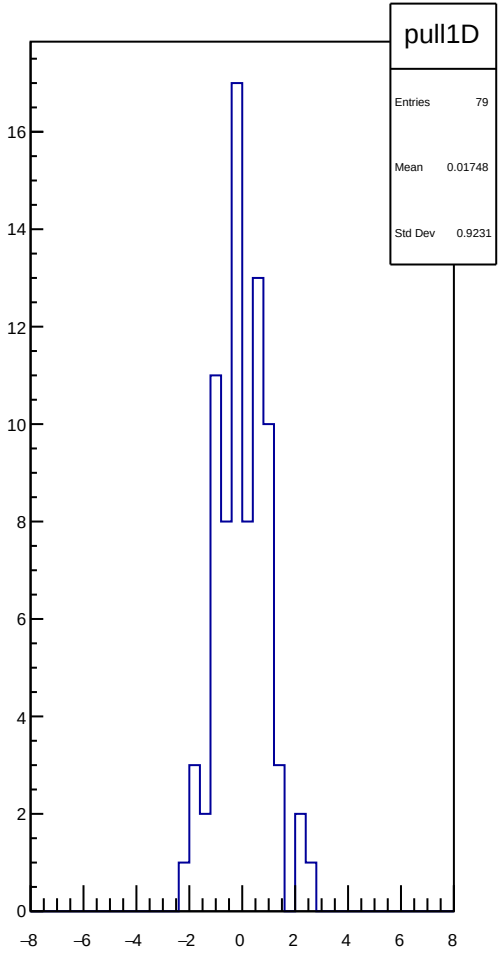

asym_sam2_correction_rms vs run
χ² / ndf 4388 / 78
p0 1952 ± 1.561
2300
2200
2100
2000
1900
1800

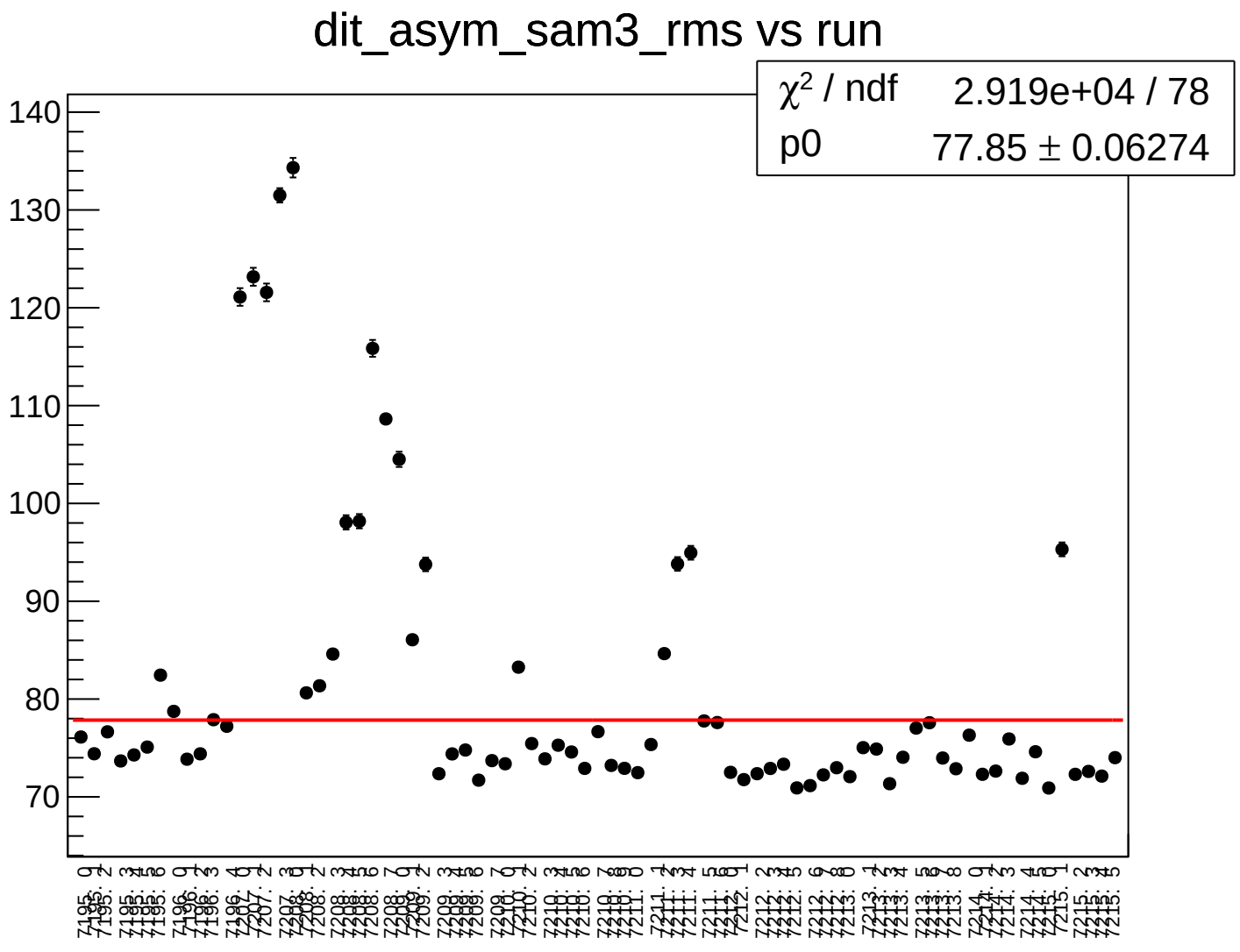

asym_sam2_mean vs run
χ² / ndf 66.02 / 78
p0 −4153 ± 2176
pull
Entries 79
Mean 281.3
Std Dev 238.9

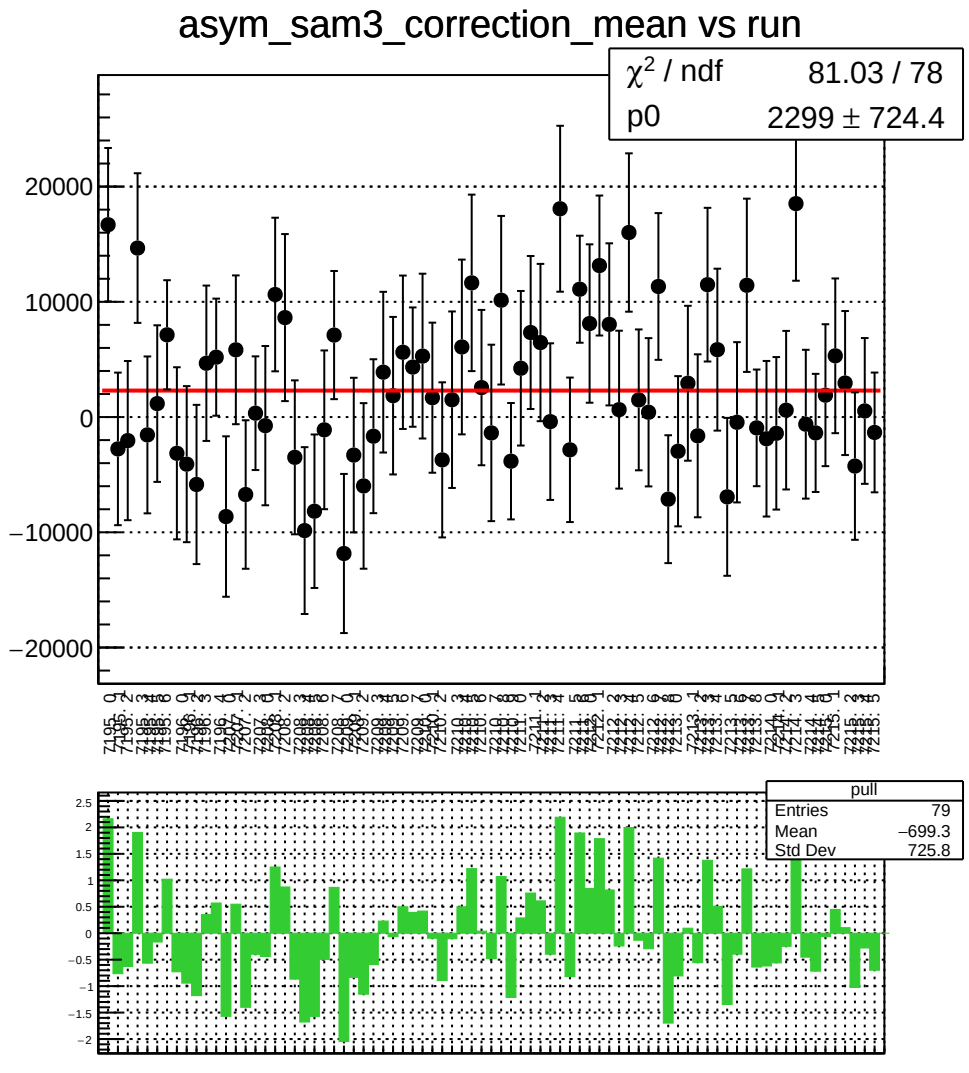

pull1D
Entries 79
Mean 0.008389
Std Dev 0.9141

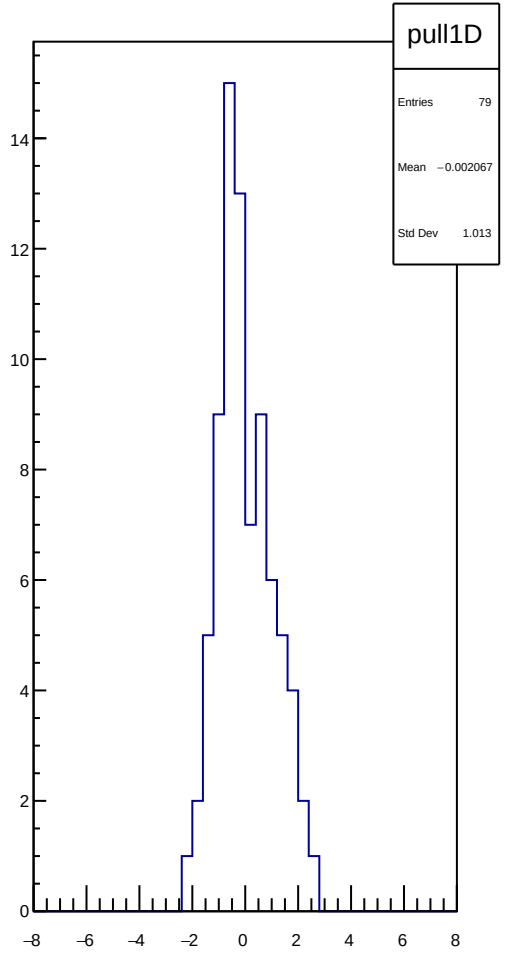

asym_sam2_rms vs run
χ² / ndf 5189 / 78
p0 1924 ± 1.539
2300
2200
2100
2000
1900
1800
1700

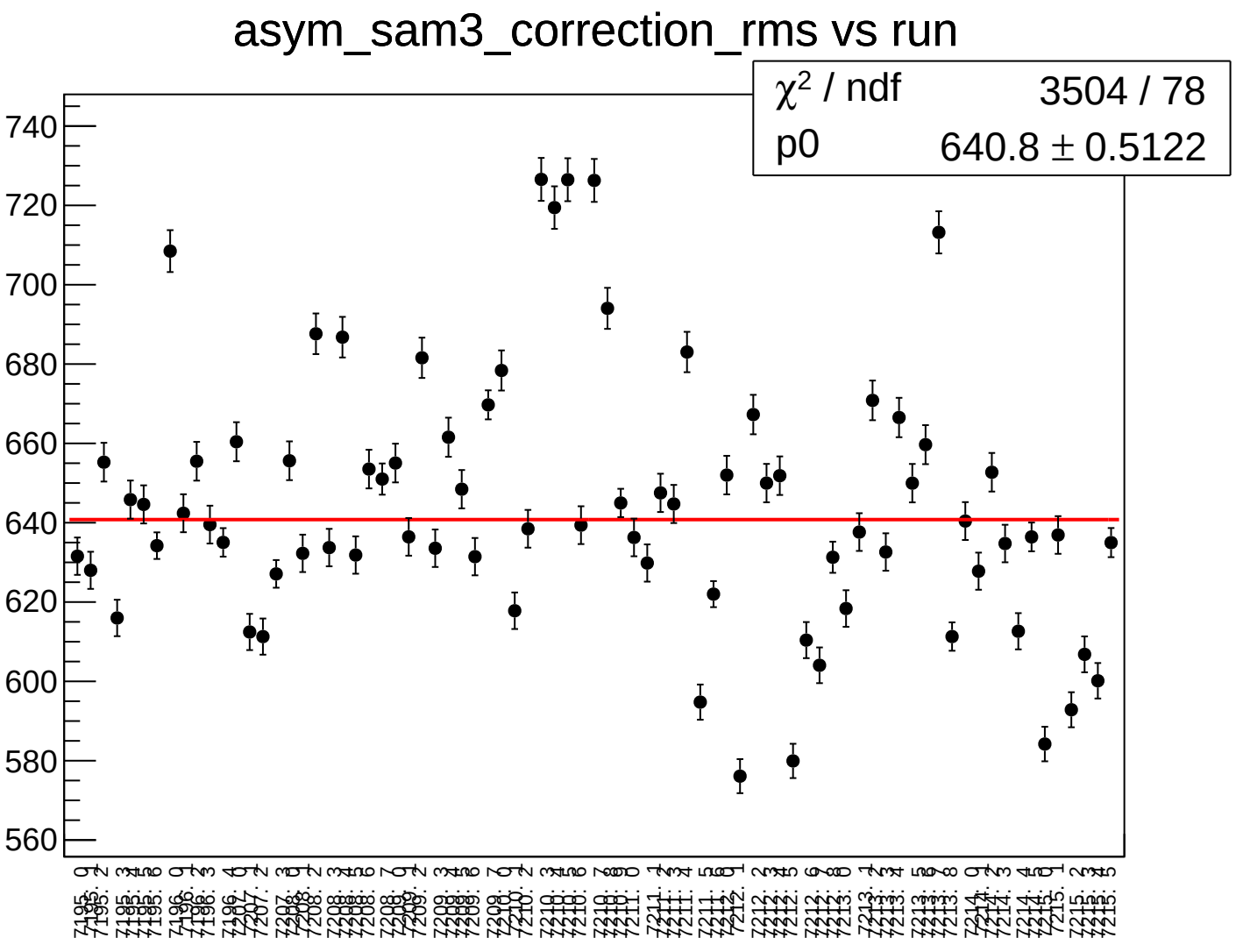

dit_asym_sam3_mean vs run
χ² / ndf 67.35 / 78
p0 267.8 ± 88.73
pull
Entries 79
Mean 205.4
Std Dev 175.2

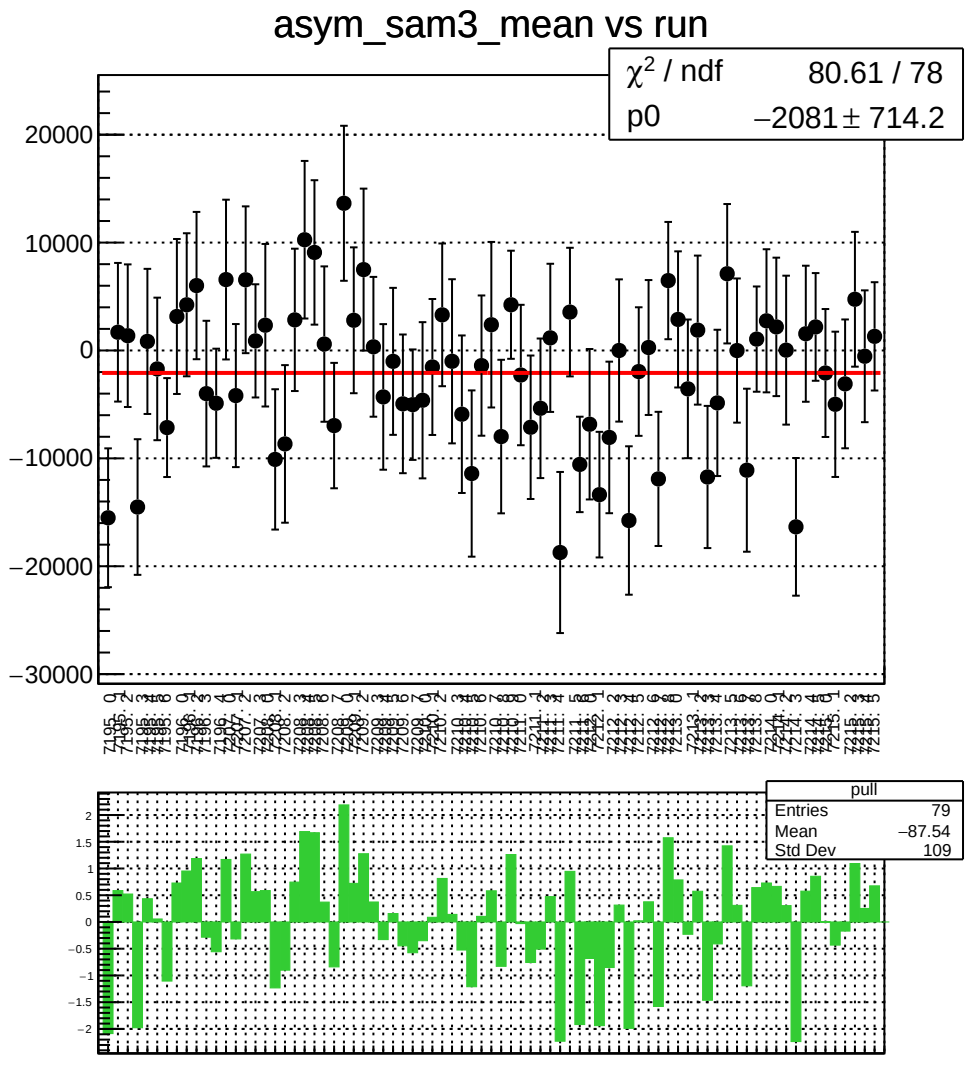

pull1D
Entries 79
Mean 0.01748
Std Dev 0.9231

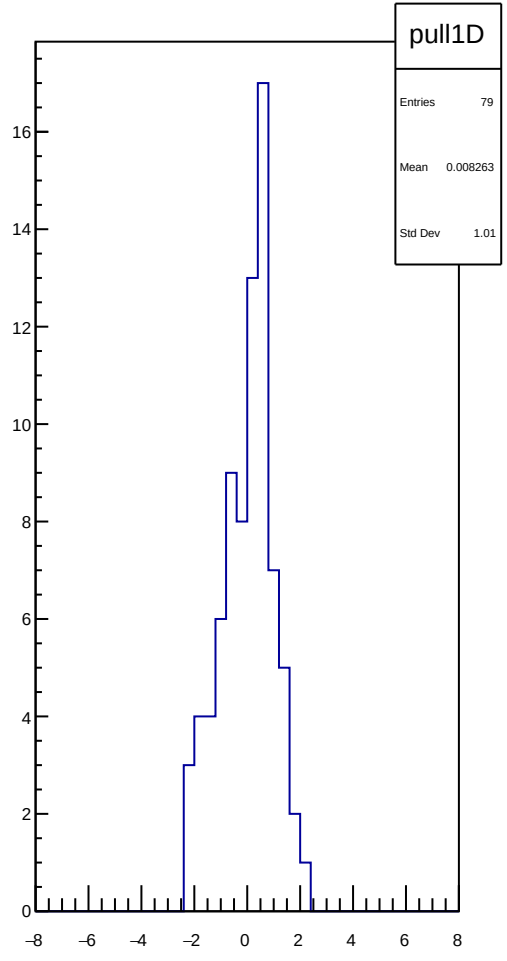

dit_asym_sam3_rms vs run
χ² / ndf 2.919e+04 / 78
p0 77.85 ± 0.06274
140
130
120
110
100
90
80
70

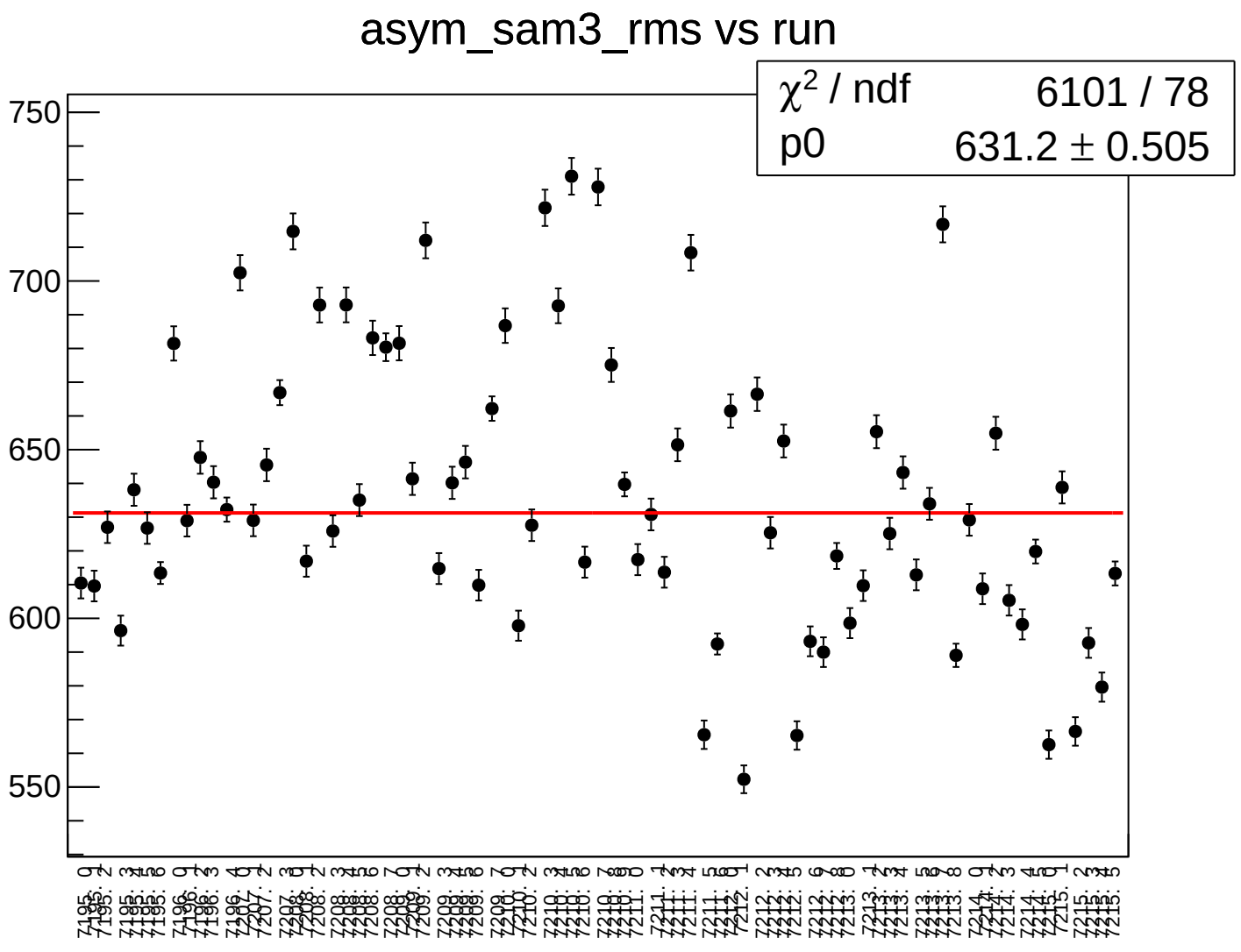

asym_sam3_correction_mean vs run
χ² / ndf 81.03 / 78
p0 2299 ± 724.4
20000
10000
0
−10000
−20000
pull
Entries 79
Mean −699.3
Std Dev 725.8
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

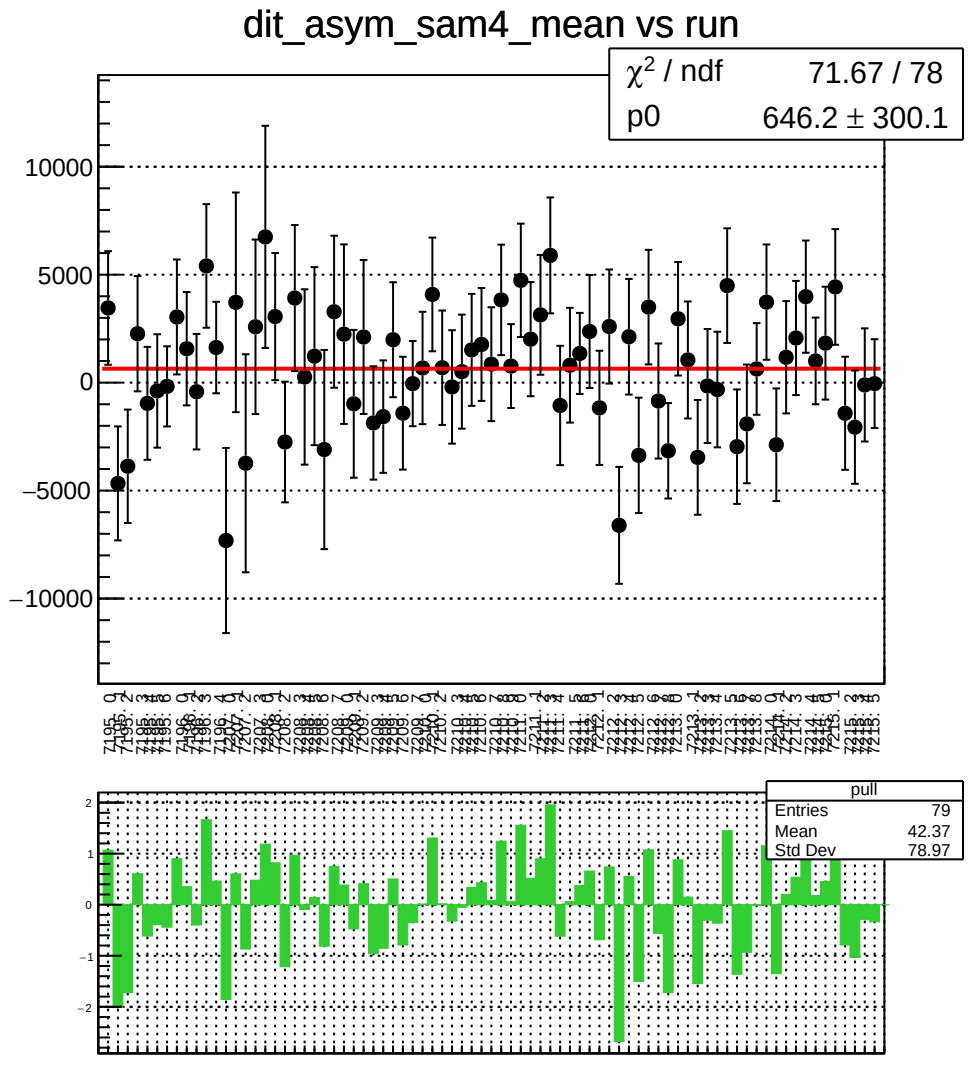

pull1D
Entries 79
Mean −0.002067
Std Dev 1.013
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

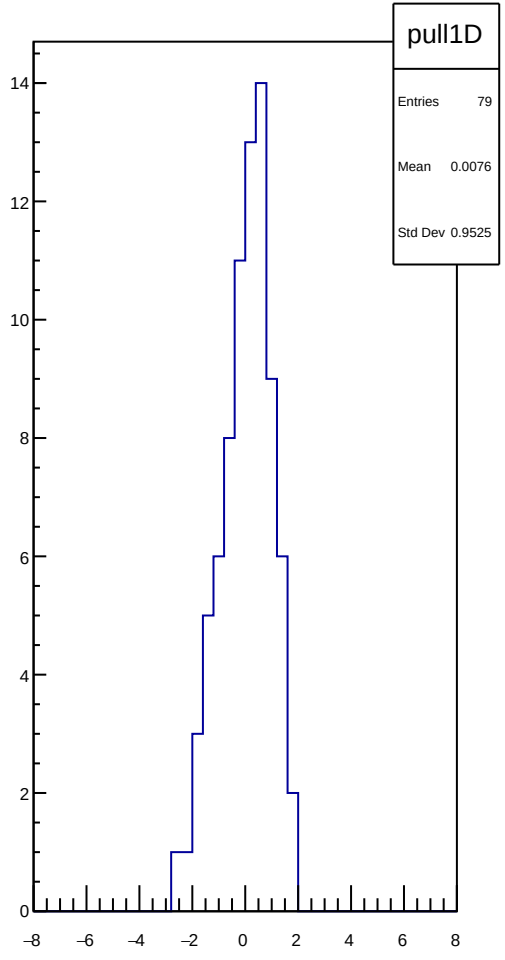

asym_sam3_correction_rms vs run
χ² / ndf 3504 / 78
p0 640.8 ± 0.5122
740
720
700
680
660
640
620
600
580
560

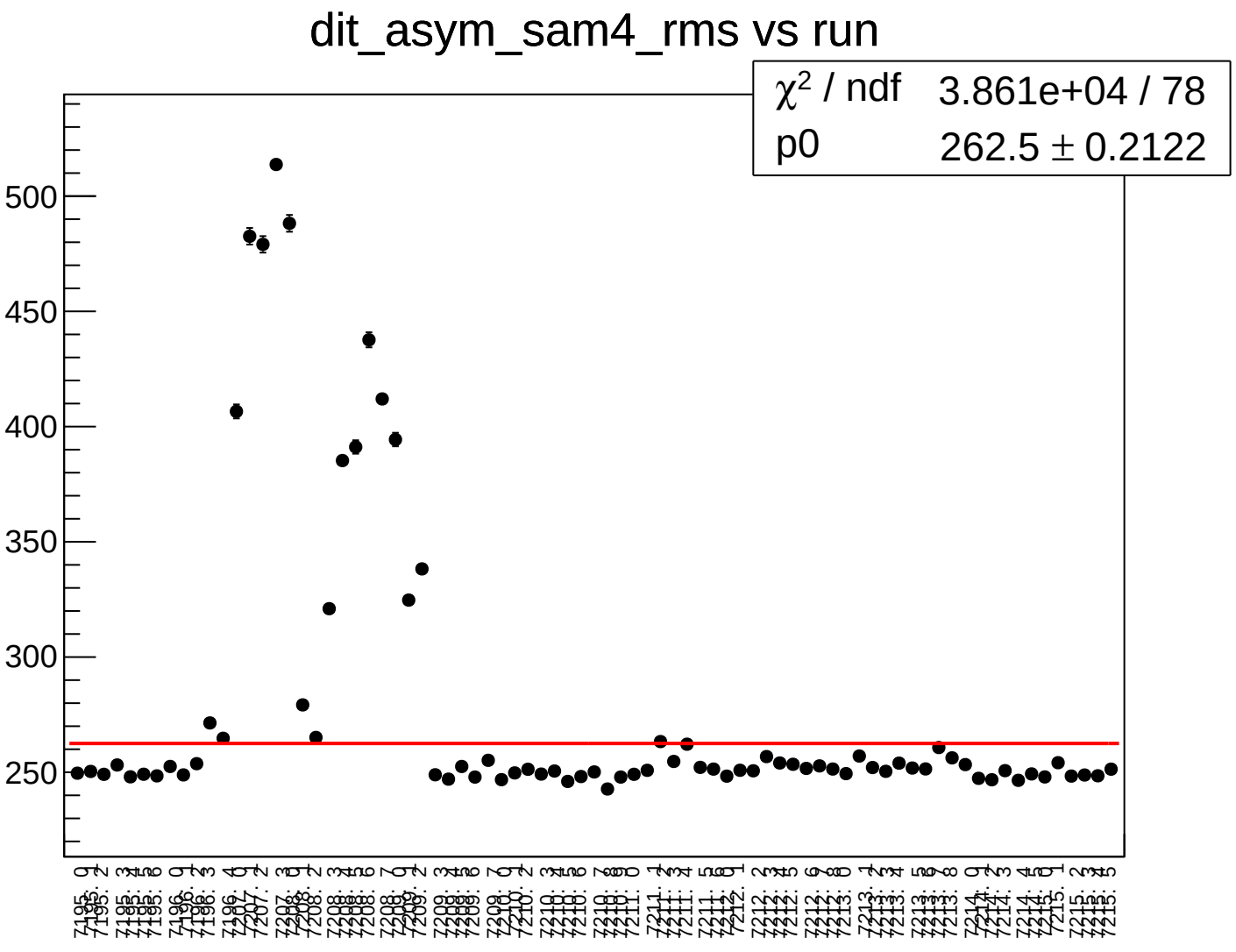

asym_sam3_mean vs run
χ² / ndf 80.61 / 78
p0 −2081 ± 714.2
20000
10000
0
−10000
−20000
−30000
pull
Entries 79
Mean −87.54
Std Dev 109
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

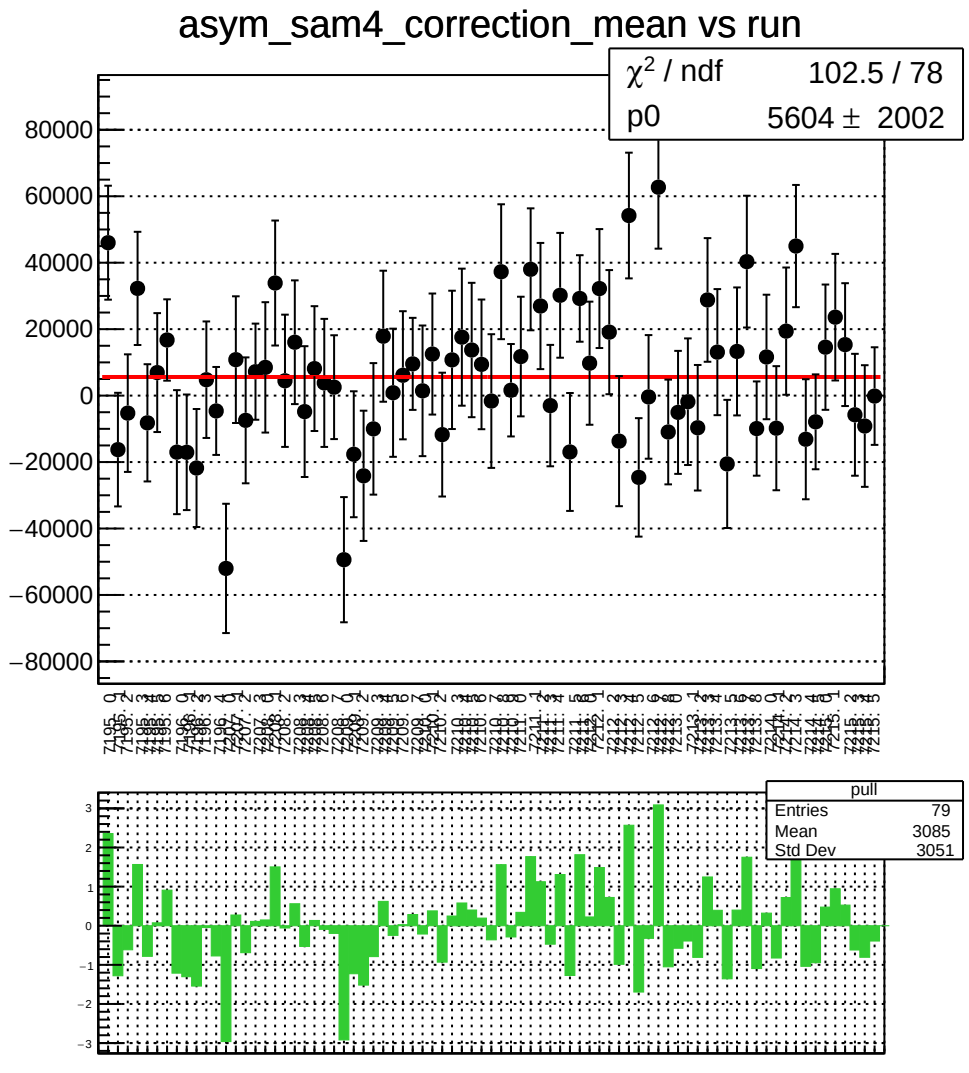

pull1D
Entries 79
Mean 0.008263
Std Dev 1.01
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

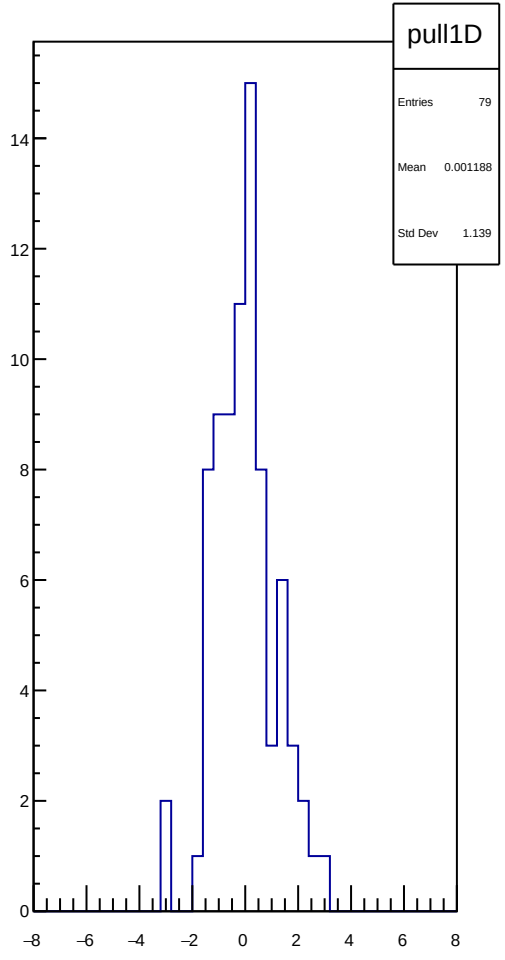

asym_sam3_rms vs run
χ² / ndf 6101 / 78
p0 631.2 ± 0.505
750
700
650
600
550

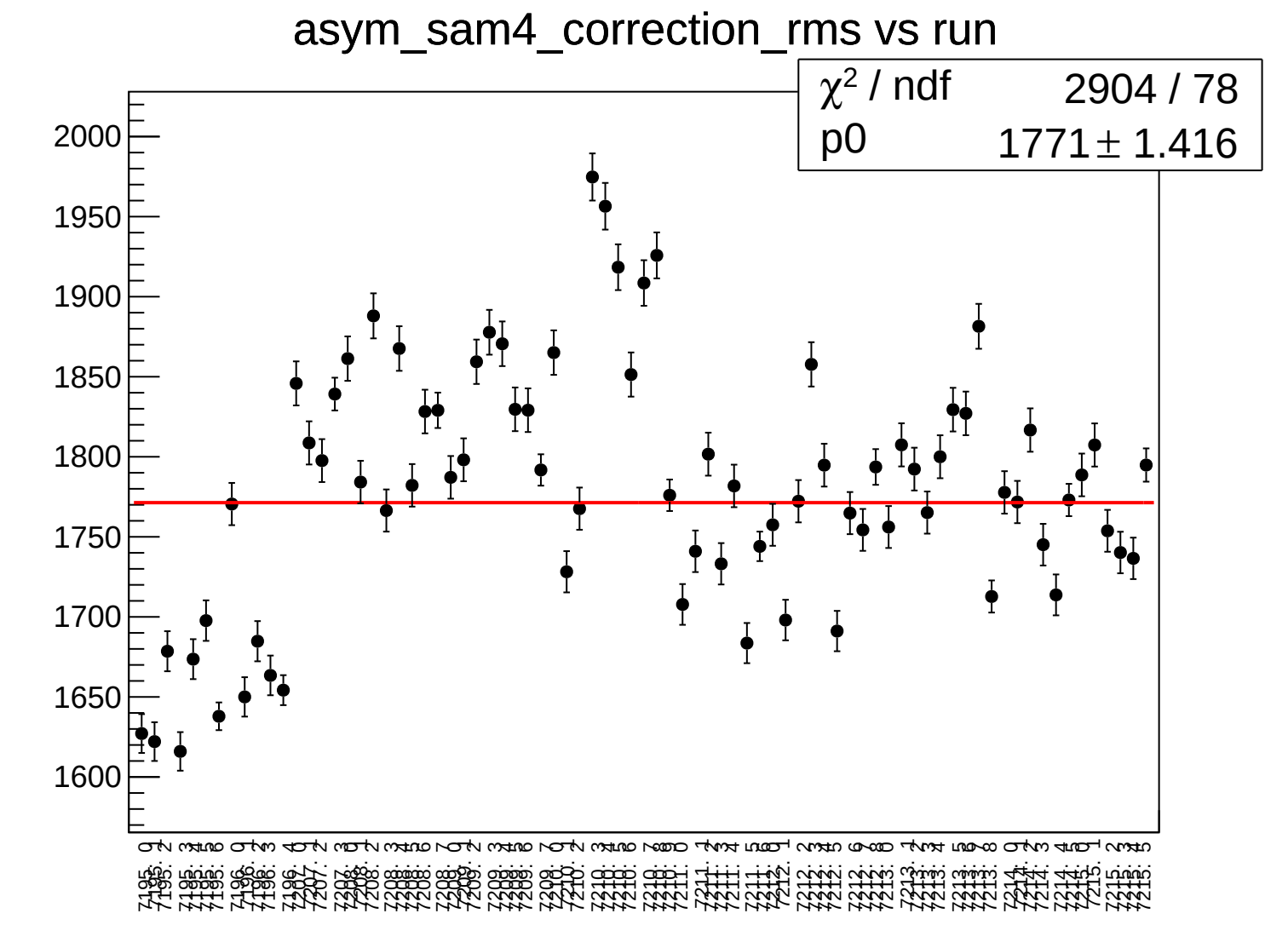

dit_asym_sam4_mean vs run
χ^2 / ndf 71.67 / 78
p0 646.2 ± 300.1
10000
5000
0
−5000
−10000
pull
Entries 79
Mean 42.37
Std Dev 78.97
2
1
0
−1
−2

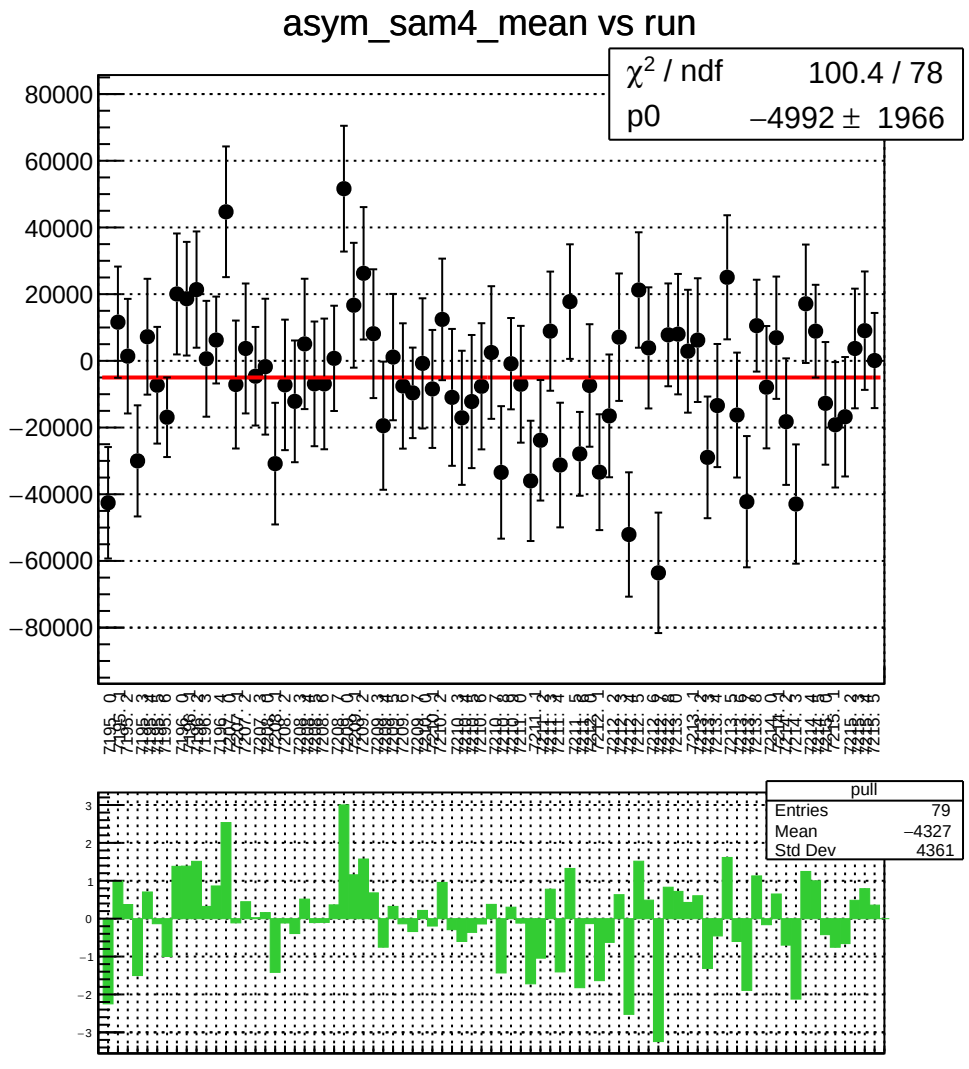

pull1D
Entries 79
Mean 0.0076
Std Dev 0.9525
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

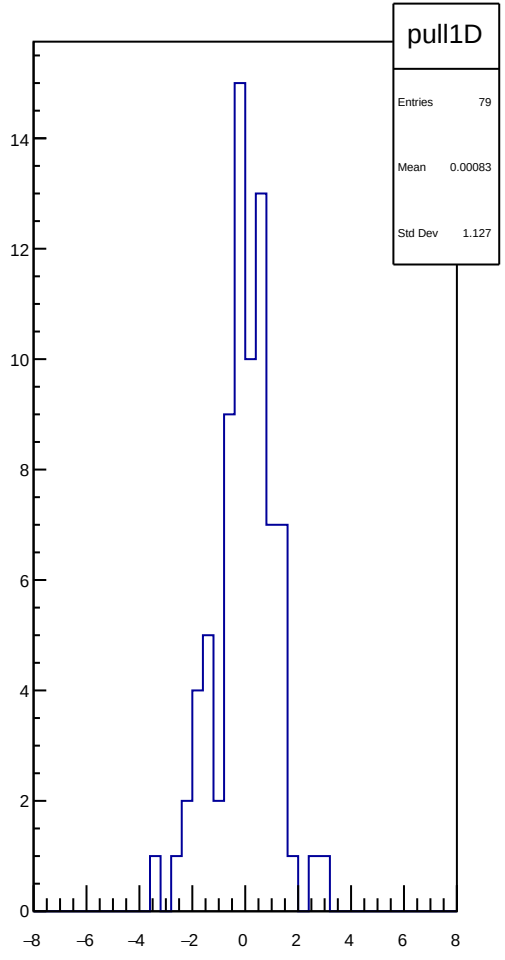

dit_asym_sam4_rms vs run
χ² / ndf 3.861e+04 / 78
p0 262.5 ± 0.2122
500
450
400
350
300
250

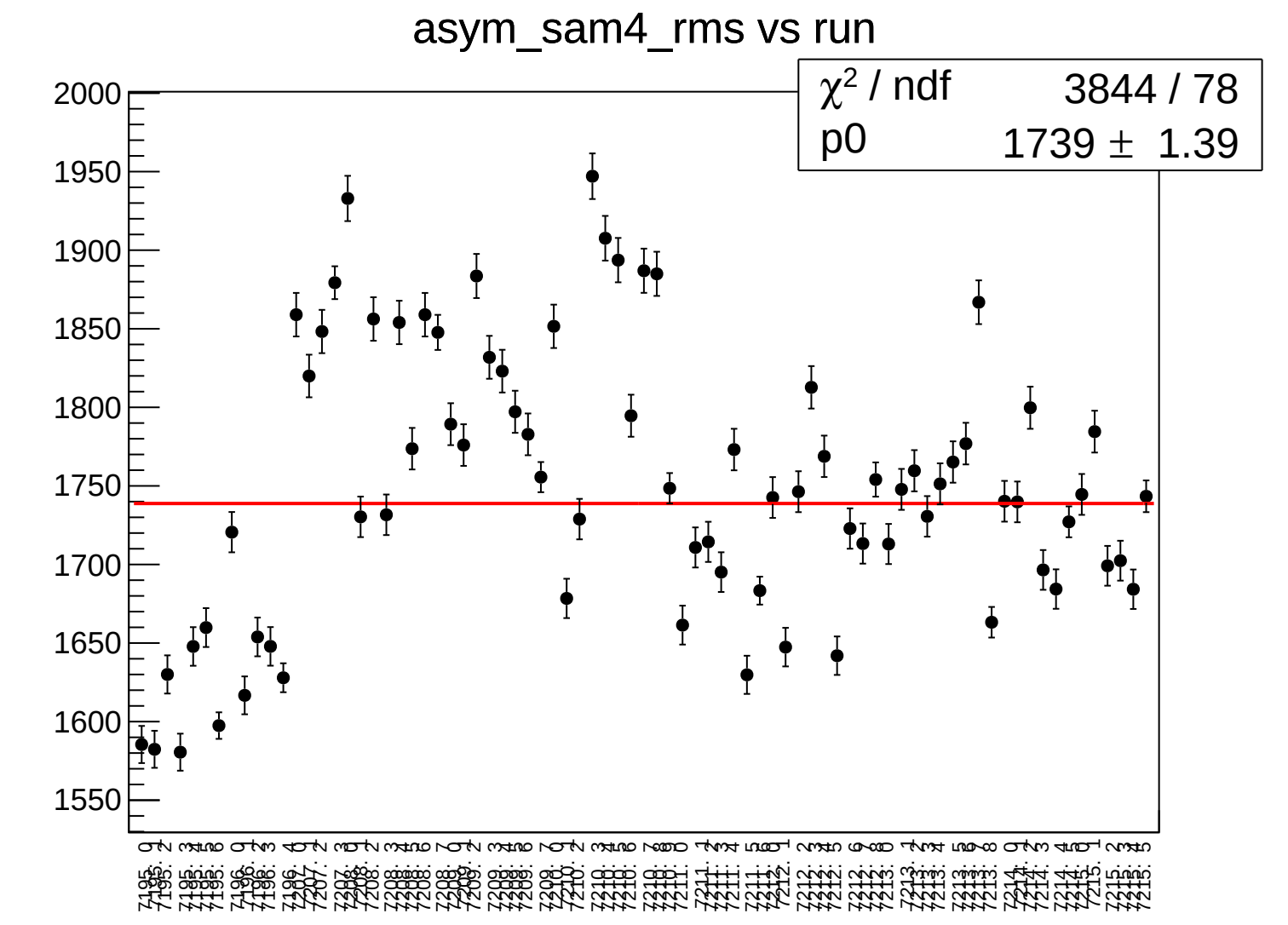

asym_sam4_correction_mean vs run
χ² / ndf 102.5 / 78
p0 5604 ± 2002
pull
Entries 79
Mean 3085
Std Dev 3051

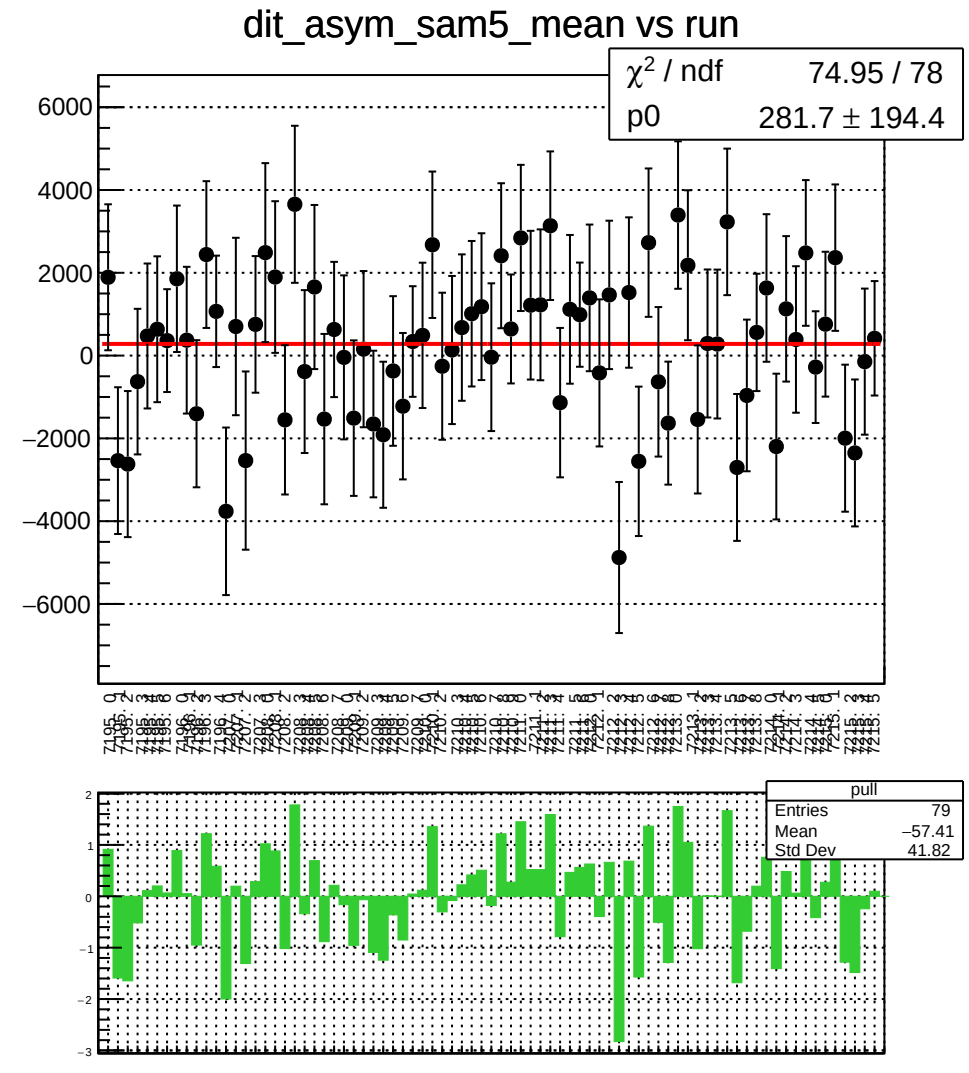

pull1D
Entries 79
Mean 0.001188
Std Dev 1.139

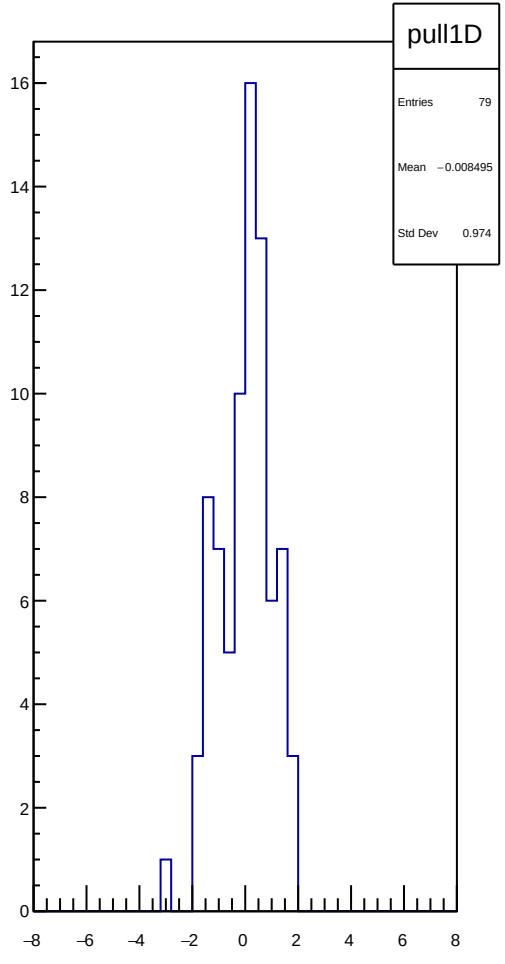

asym_sam4_correction_rms vs run
χ² / ndf 2904 / 78
p0 1771 ± 1.416
2000
1950
1900
1850
1800
1750
1700
1650
1600

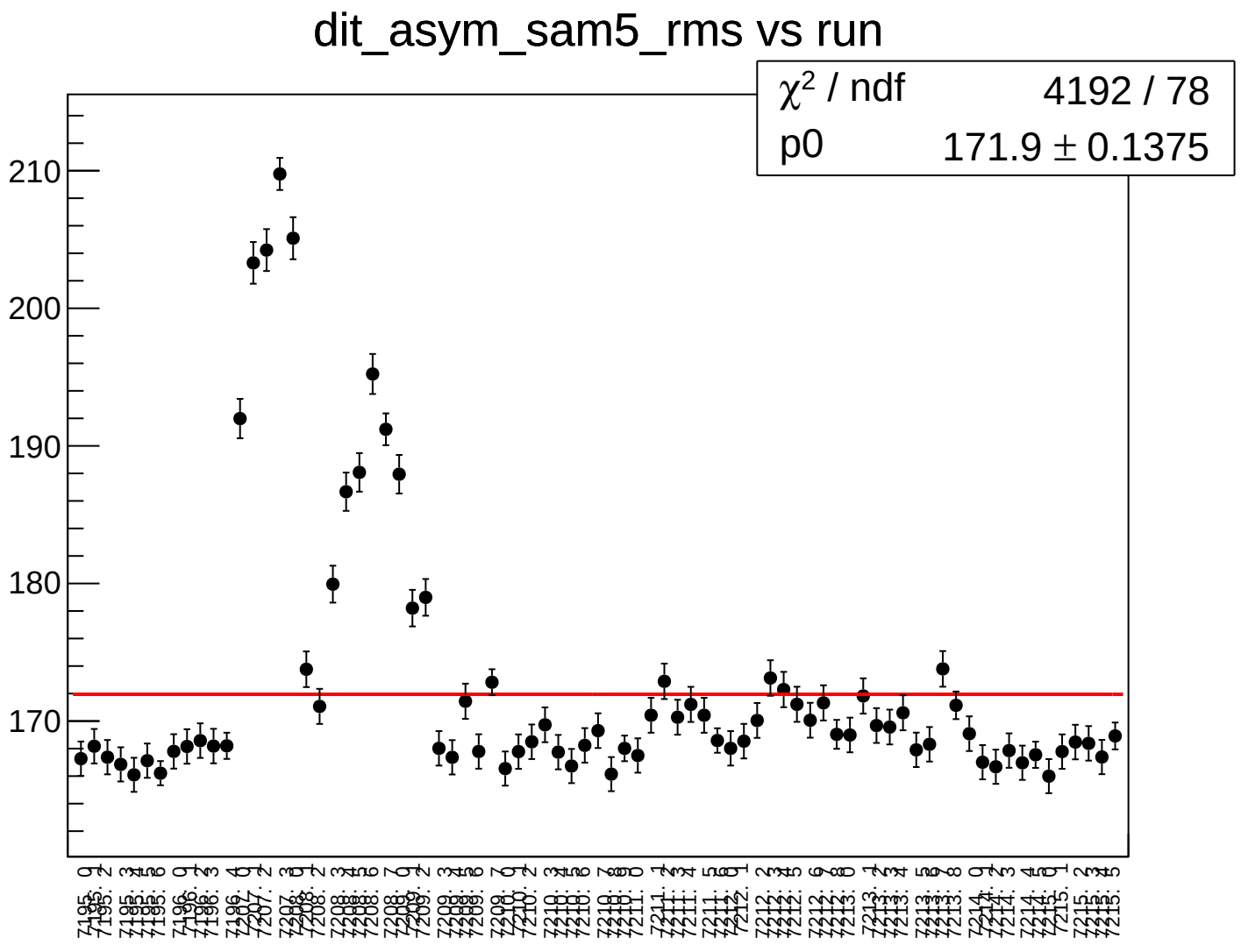

asym_sam4_mean vs run
χ² / ndf 100.4 / 78
p0 −4992 ± 1966
pull
Entries 79
Mean −4327
Std Dev 4361

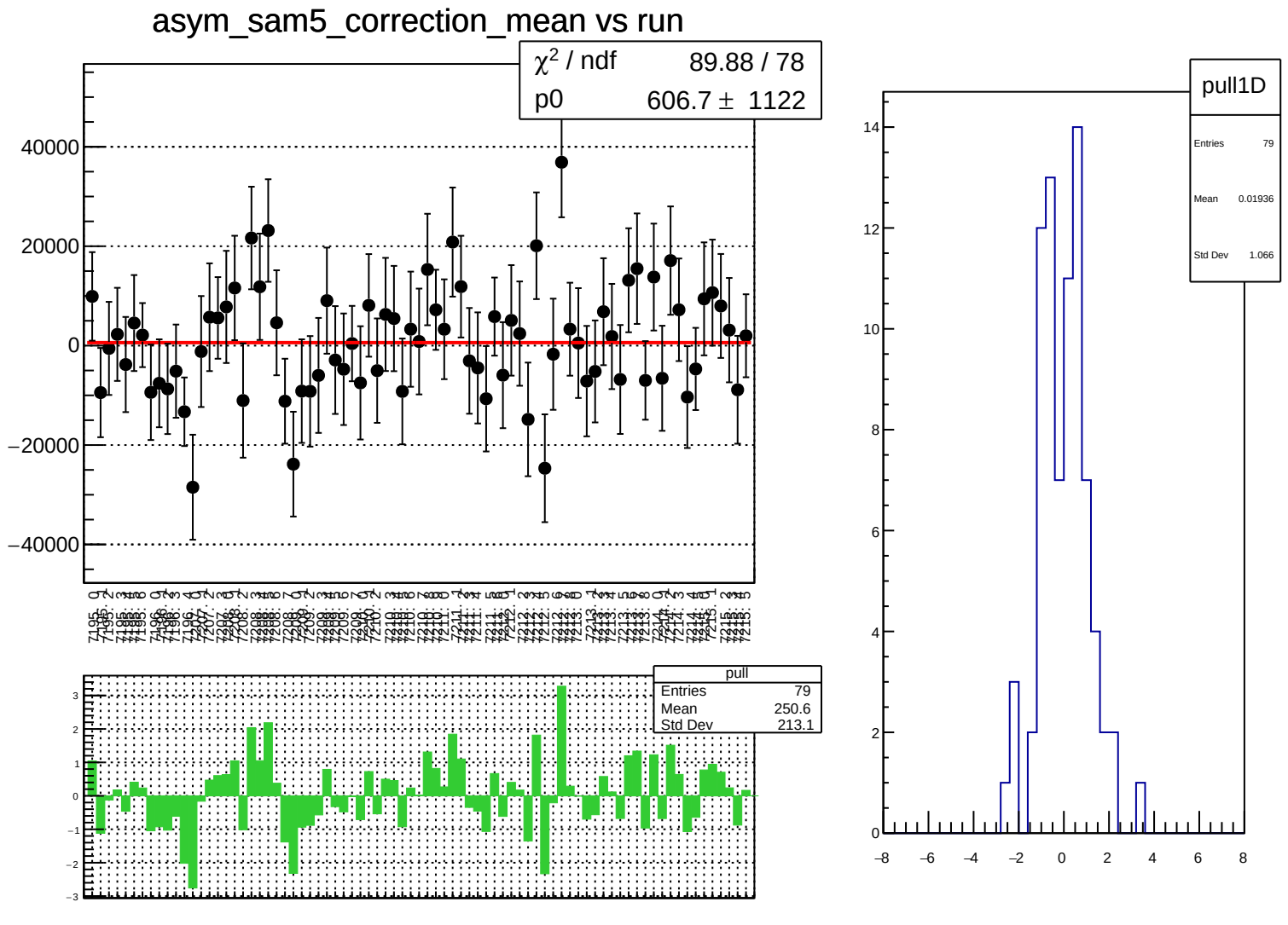

pull1D
Entries 79
Mean 0.00083
Std Dev 1.127

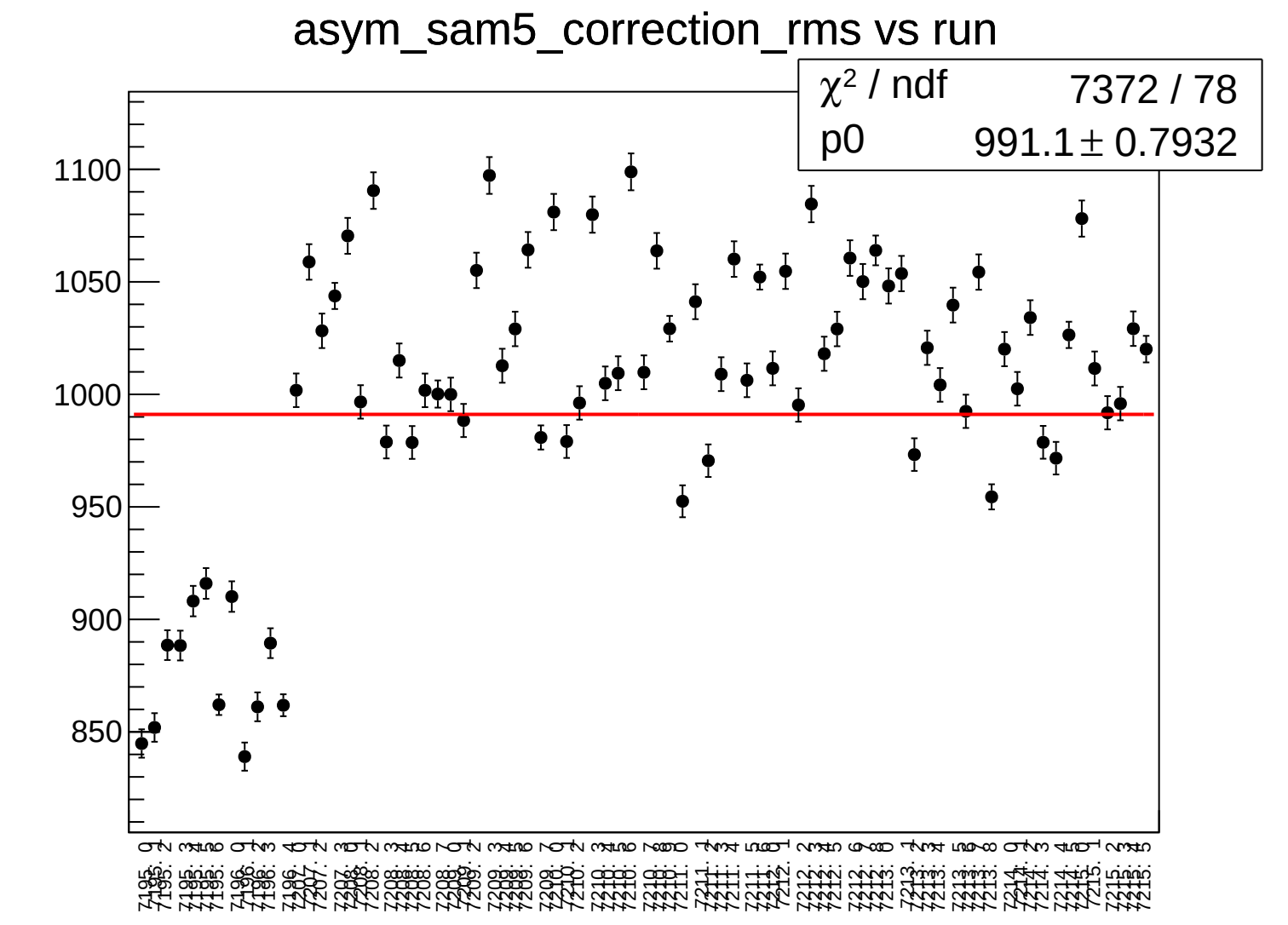

asym_sam4_rms vs run
χ² / ndf 3844 / 78
p0 1739 ± 1.39
2000
1950
1900
1850
1800
1750
1700
1650
1600
1550

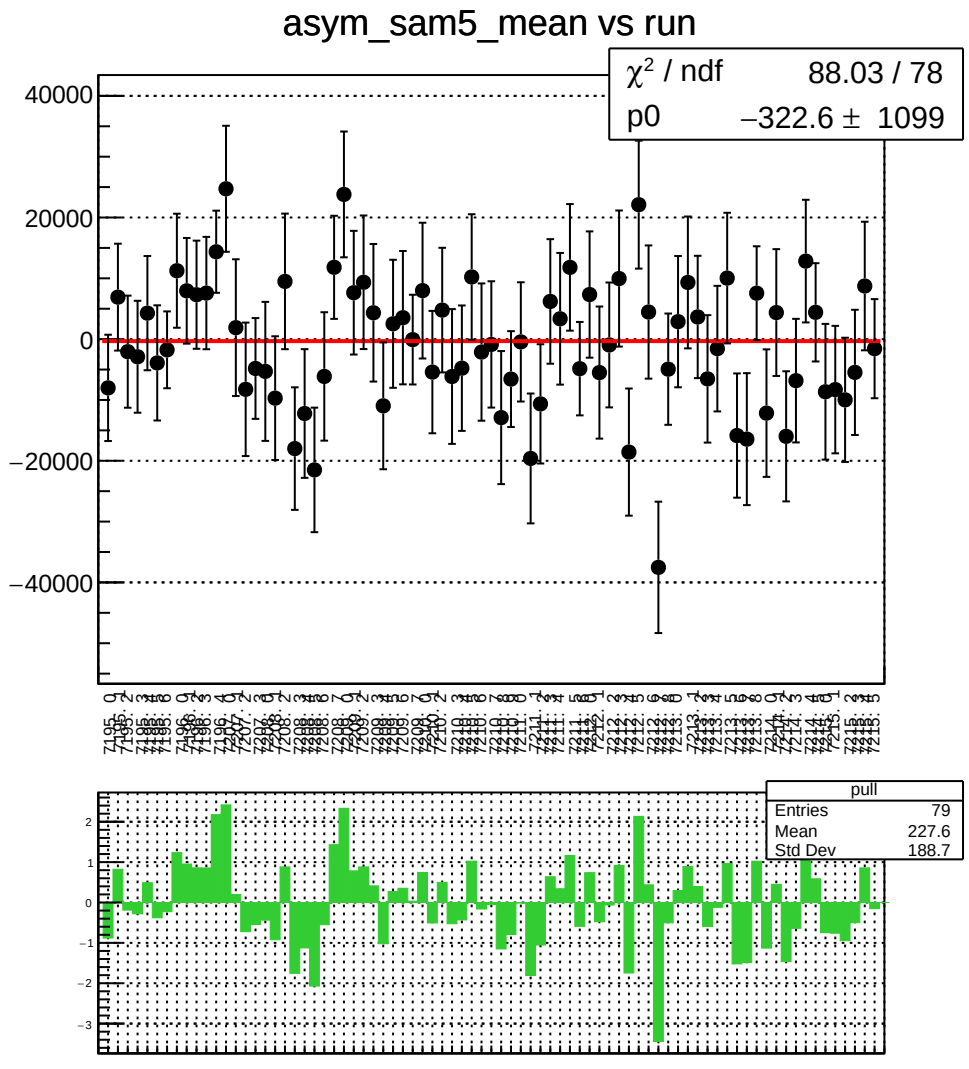

dit_asym_sam5_mean vs run
χ² / ndf 74.95 / 78
p0 281.7 ± 194.4
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 79
Mean −57.41
Std Dev 41.82
2
1
0
−1
−2
−3

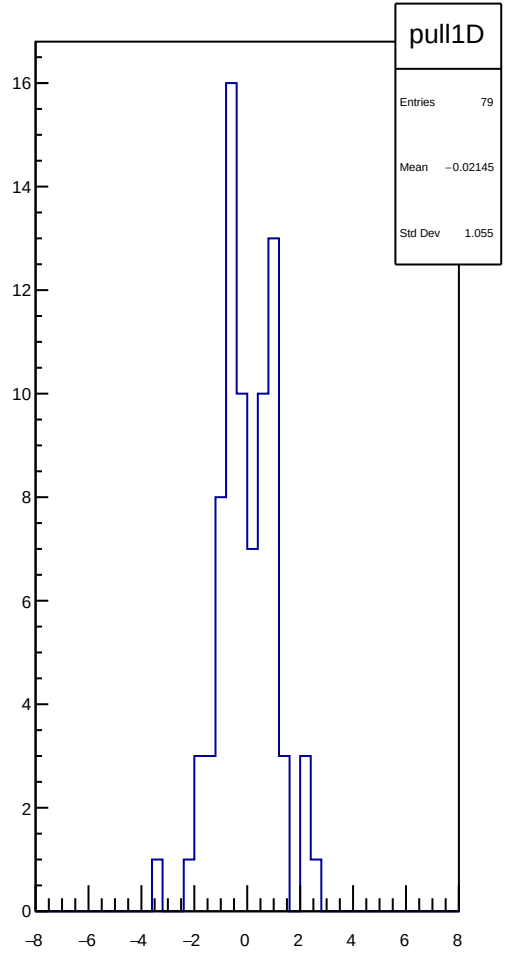

pull1D
Entries 79
Mean −0.008495
Std Dev 0.974
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

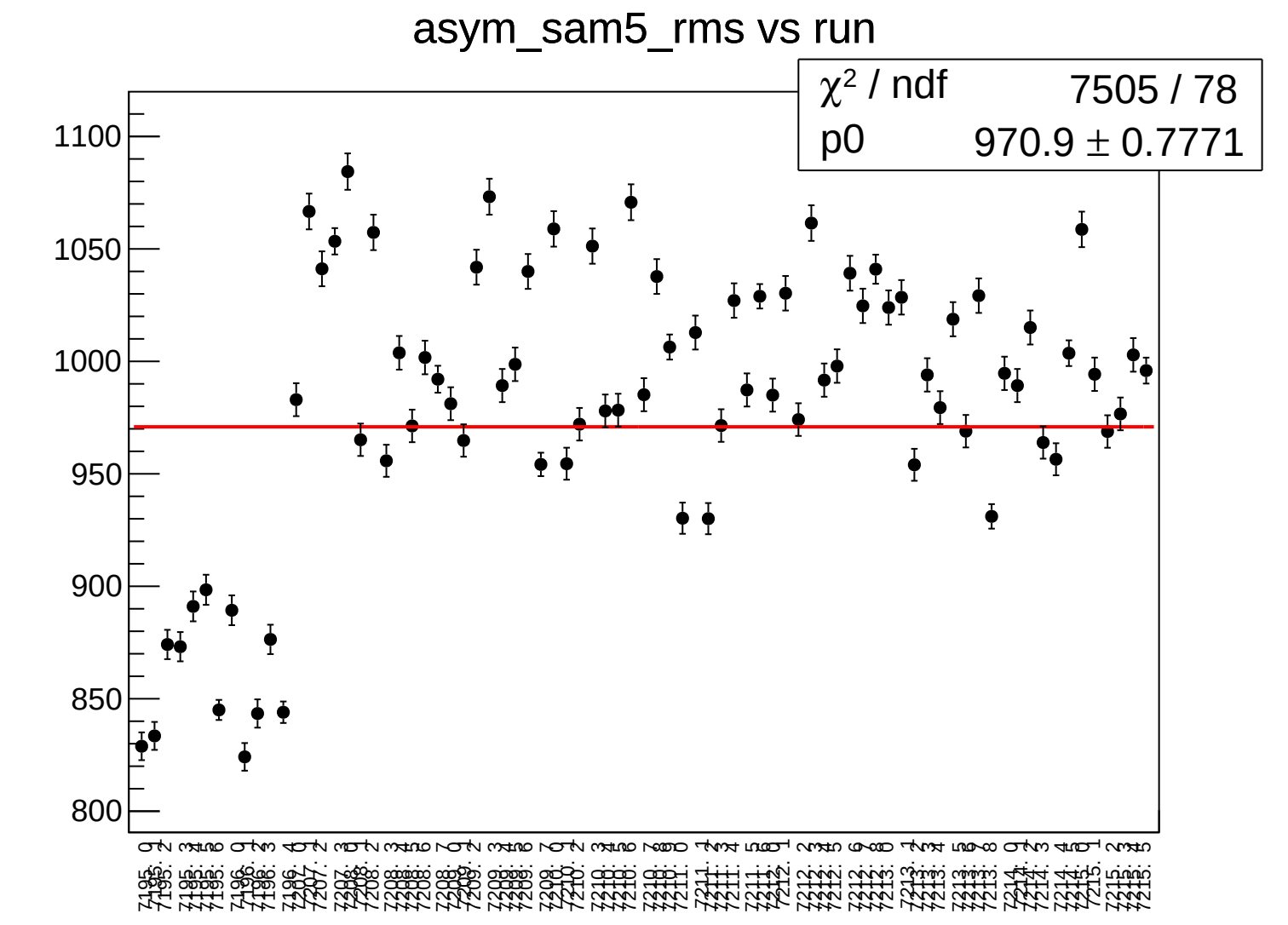

dit_asym_sam5_rms vs run
χ² / ndf 4192 / 78
p0 171.9 ± 0.1375
210
200
190
180
170

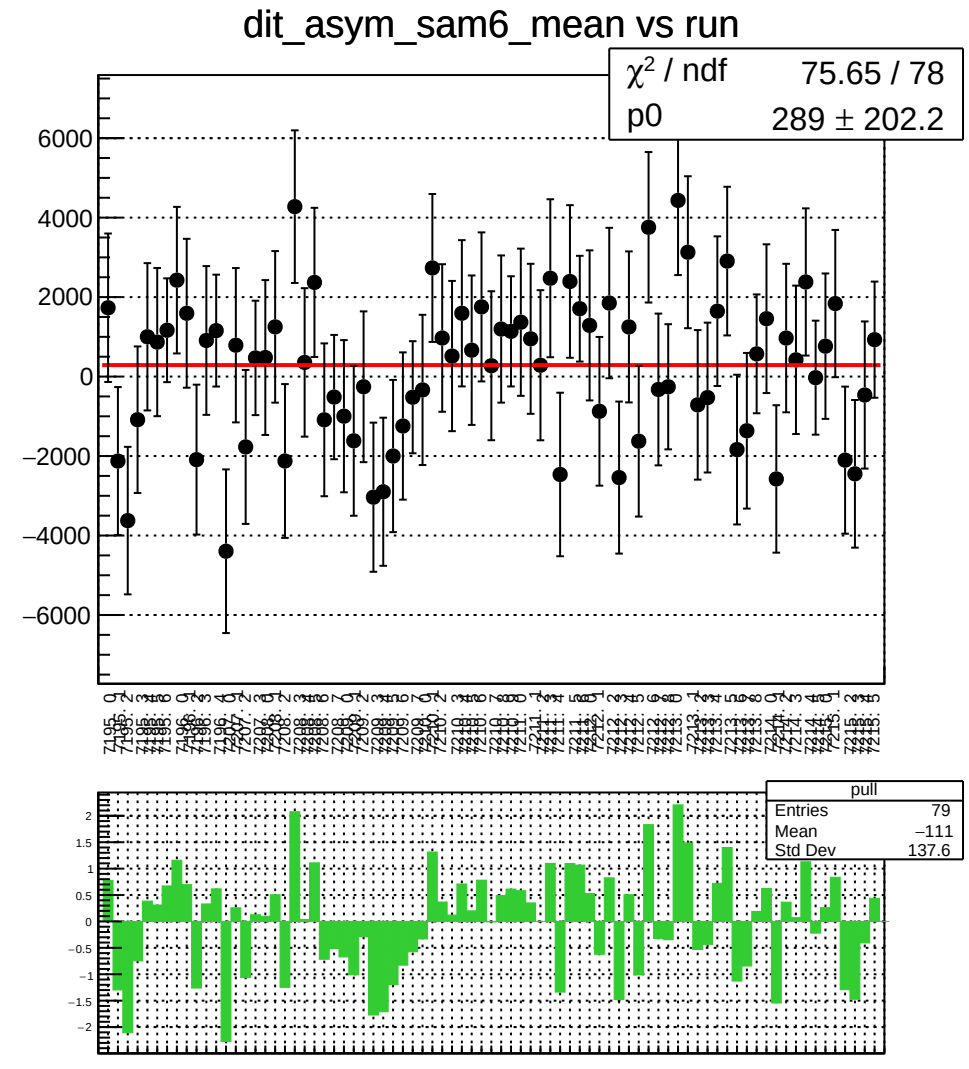

asym_sam5_correction_mean vs run
χ² / ndf 89.88 / 78
p0 606.7 ± 1122
40000
20000
0
−20000
−40000
pull
Entries 79
Mean 250.6
Std Dev 213.1
3
2
1
0
−1
−2
−3
pull1D
Entries 79
Mean 0.01936
Std Dev 1.066
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

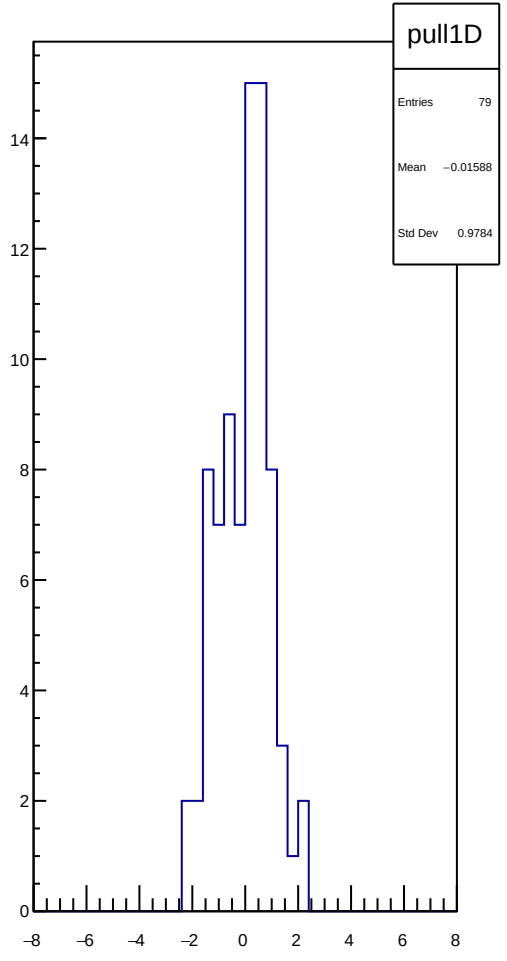

asym_sam5_correction_rms vs run
χ² / ndf 7372 / 78
p0 991.1 ± 0.7932
1100
1050
1000
950
900
850

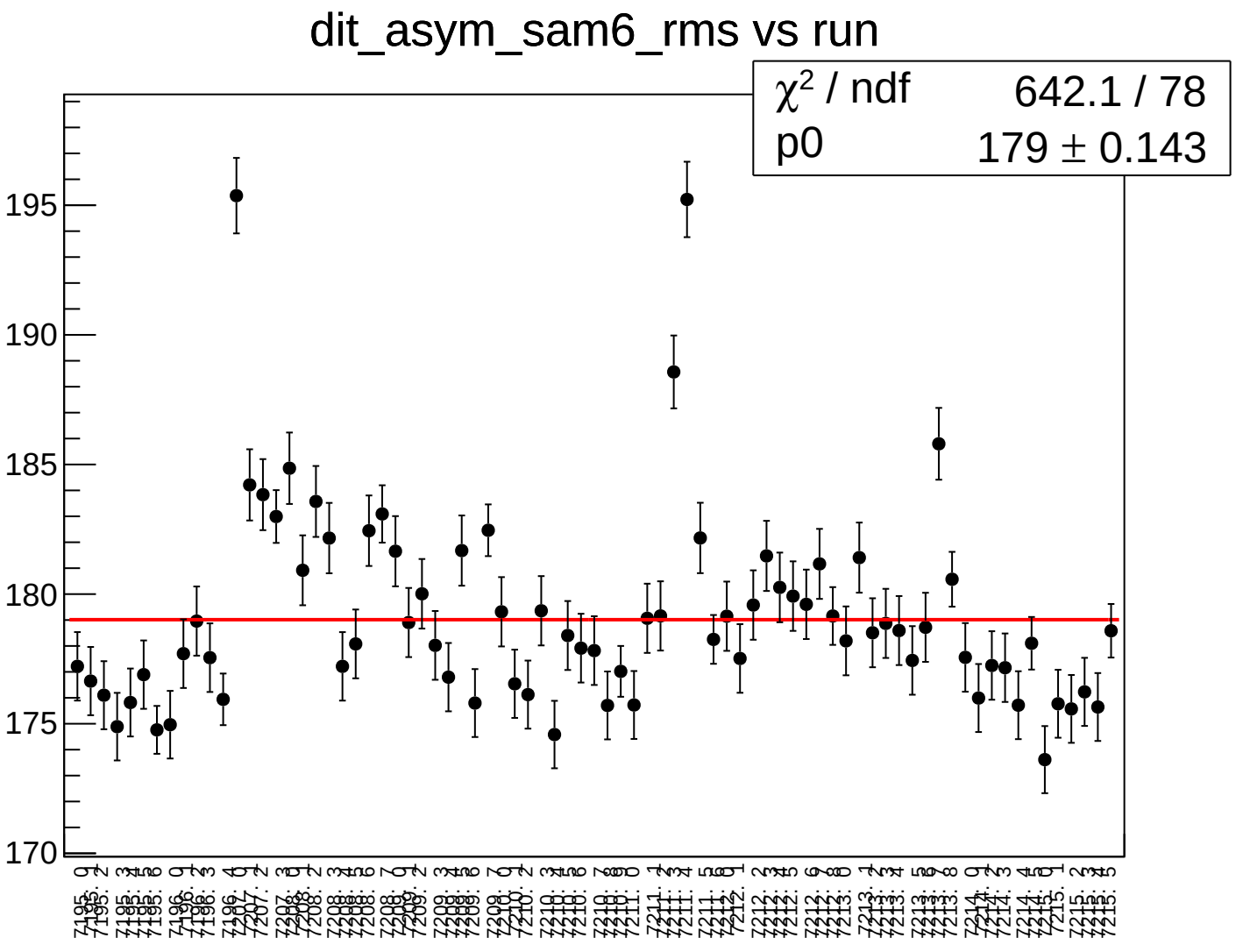

asym_sam5_mean vs run
χ² / ndf 88.03 / 78
p0 −322.6 ± 1099
40000
20000
0
−20000
−40000
pull
Entries 79
Mean 227.6
Std Dev 188.7
2
1
0
−1
−2
−3

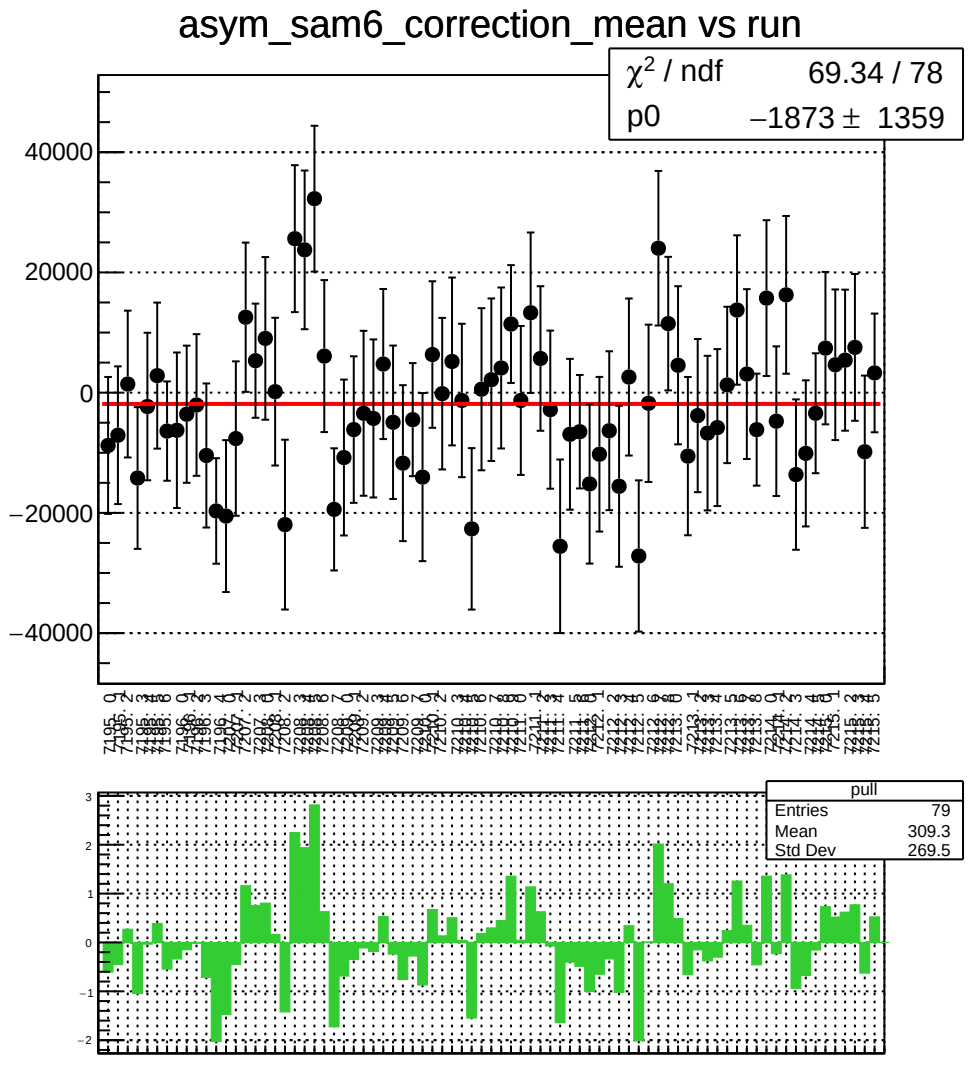

pull1D
Entries 79
Mean −0.02145
Std Dev 1.055
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

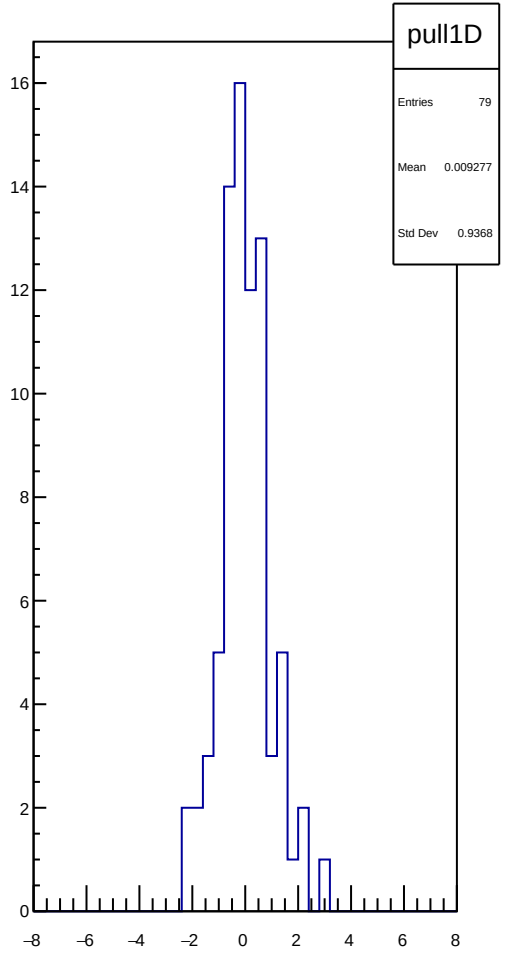

asym_sam5_rms vs run
χ² / ndf 7505 / 78
p0 970.9 ± 0.7771
1100
1050
1000
950
900
850
800

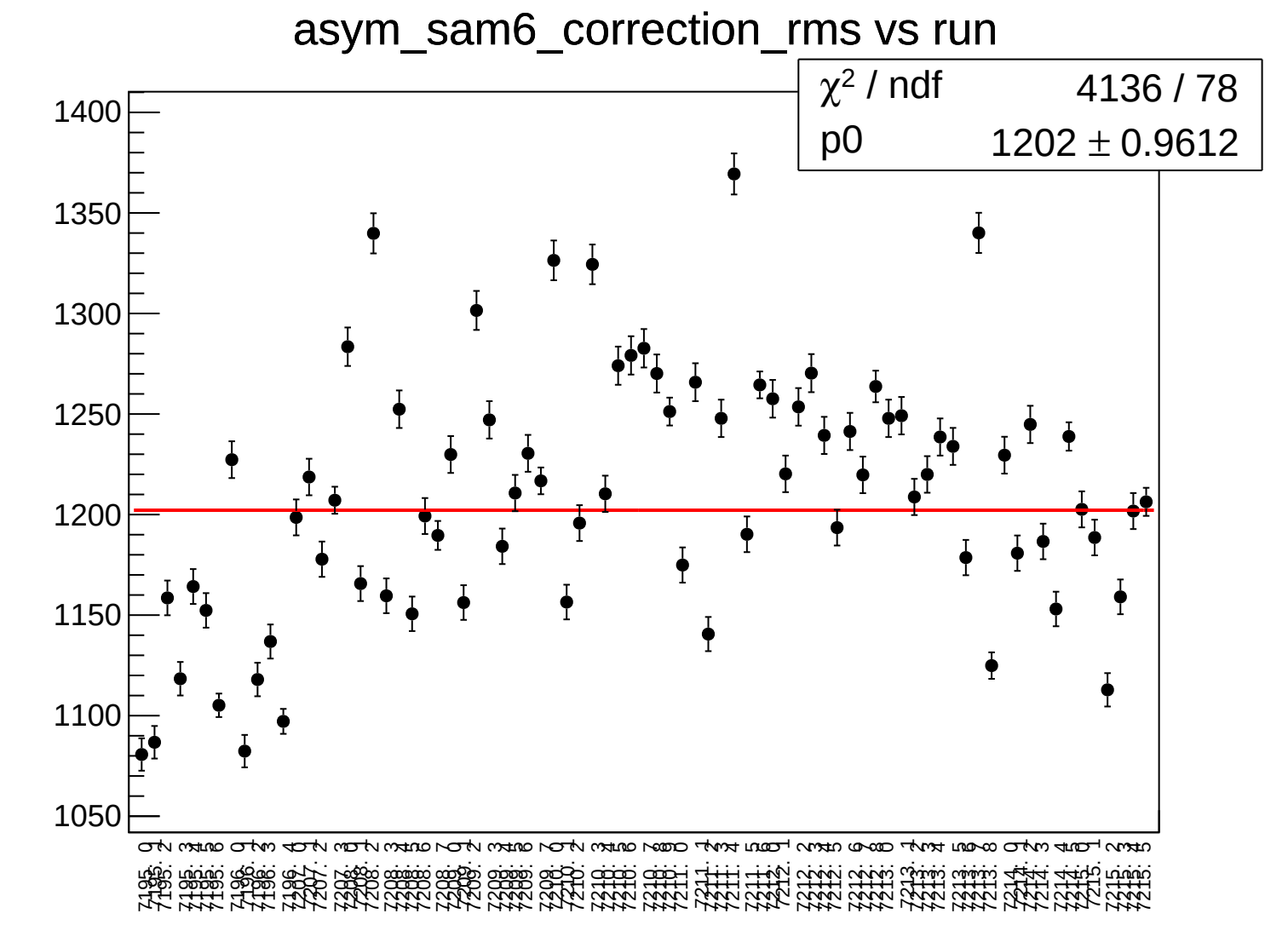

dit_asym_sam6_mean vs run
χ² / ndf 75.65 / 78
p0 289 ± 202.2
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 79
Mean −111
Std Dev 137.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

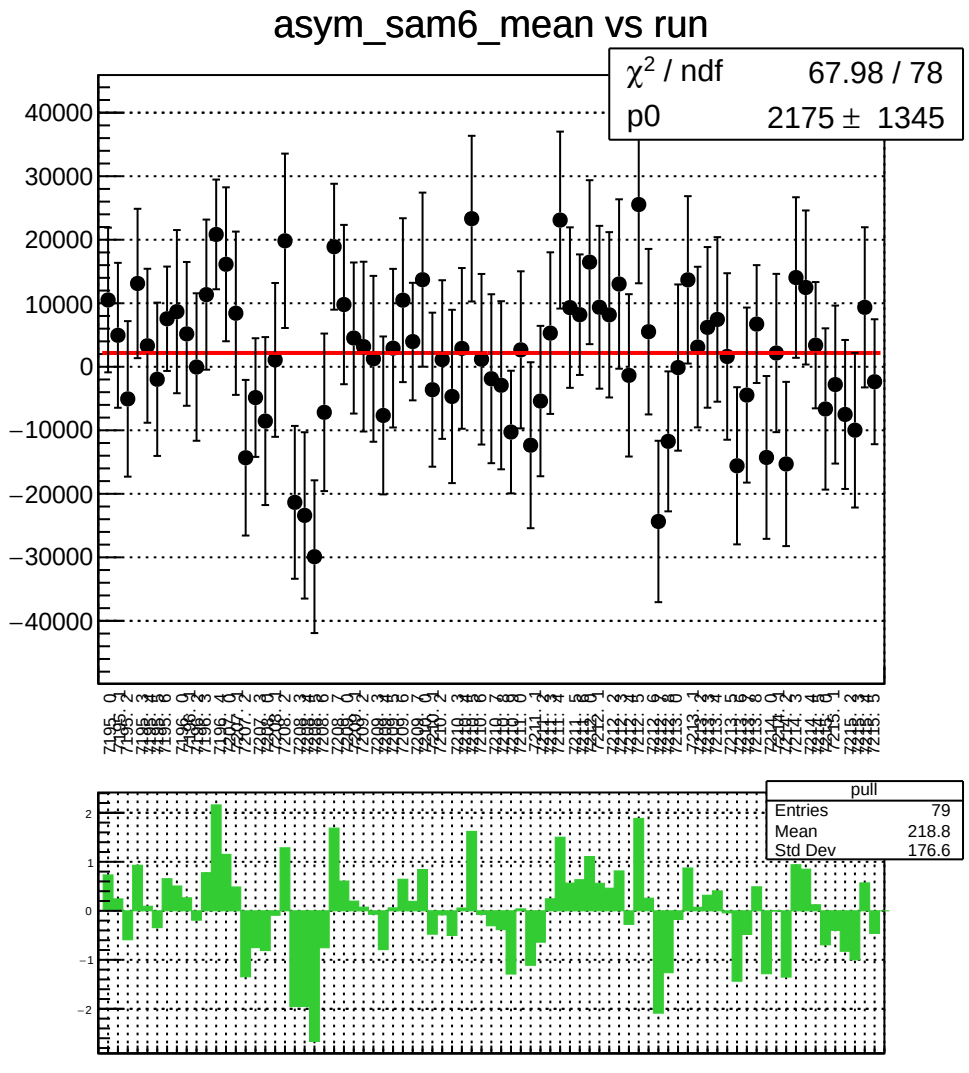

pull1D
Entries 79
Mean −0.01588
Std Dev 0.9784
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

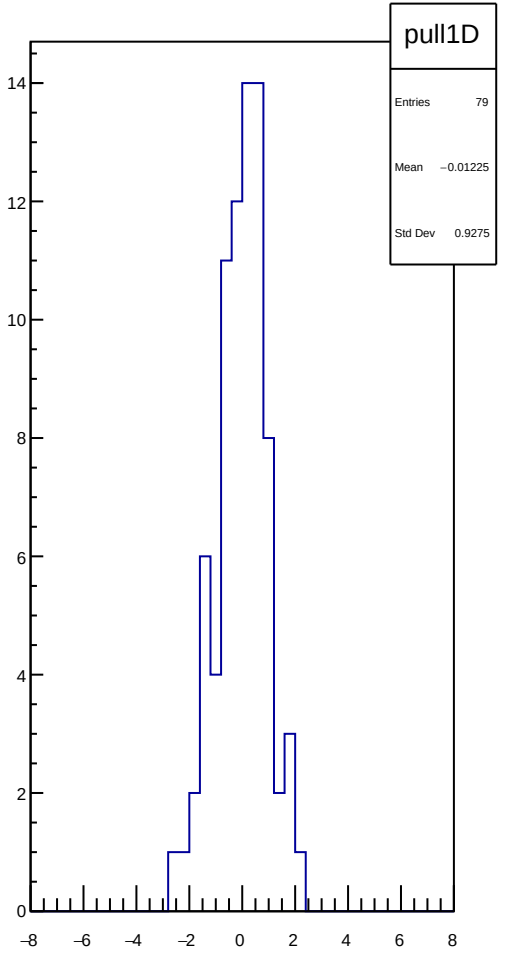

dit_asym_sam6_rms vs run
χ² / ndf 642.1 / 78
p0 179 ± 0.143
195
190
185
180
175
170

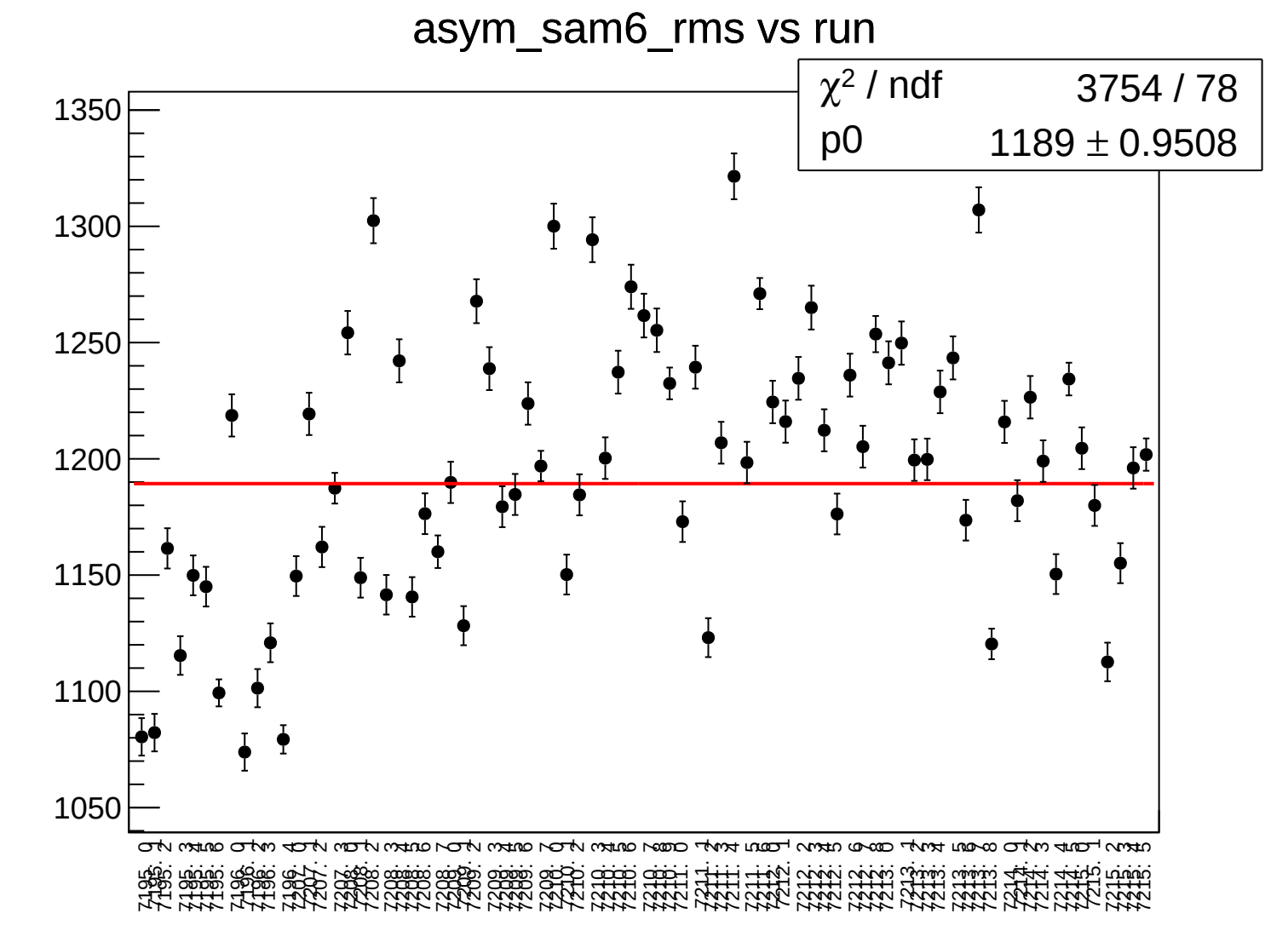

asym_sam6_correction_mean vs run
χ² / ndf 69.34 / 78
p0 −1873 ± 1359
40000
20000
0
−20000
−40000
pull
Entries 79
Mean 309.3
Std Dev 269.5
3
2
1
0
−1
−2

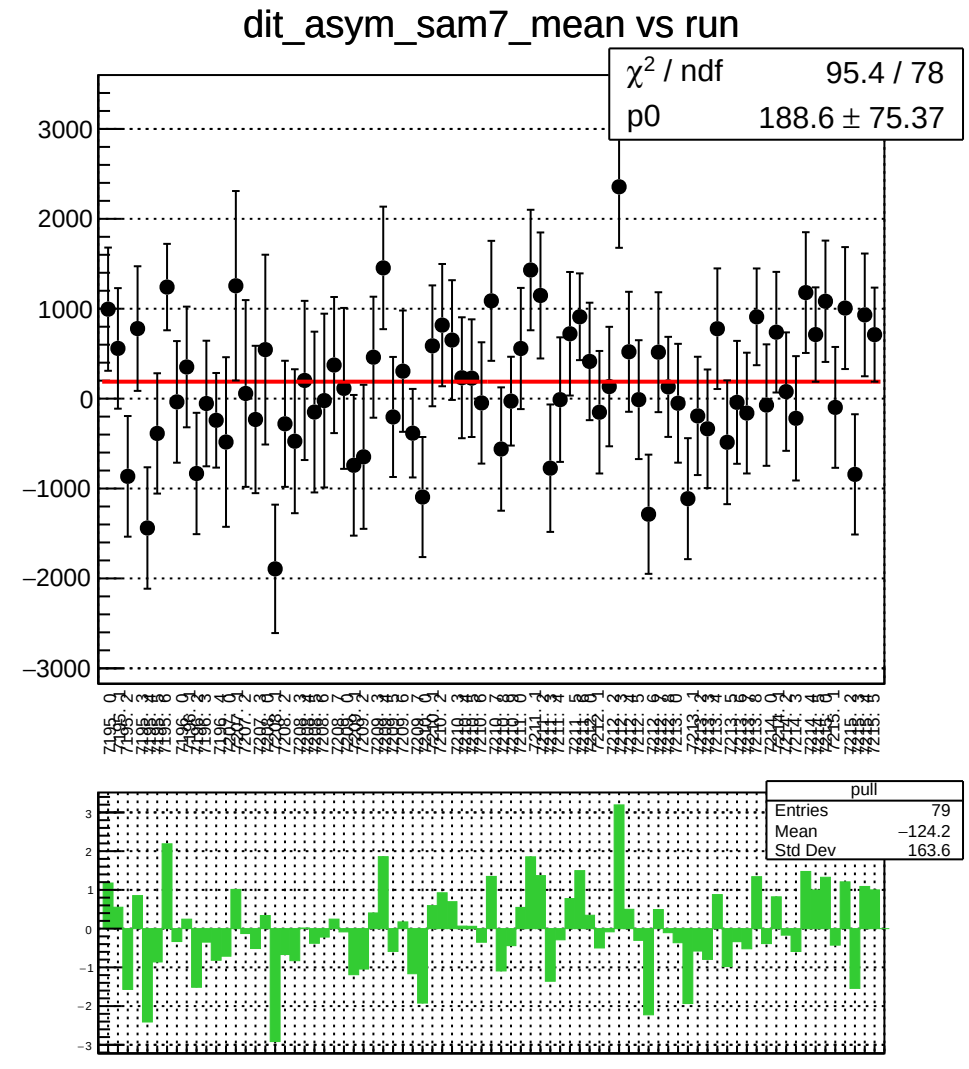

pull1D
Entries 79
Mean 0.009277
Std Dev 0.9368
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

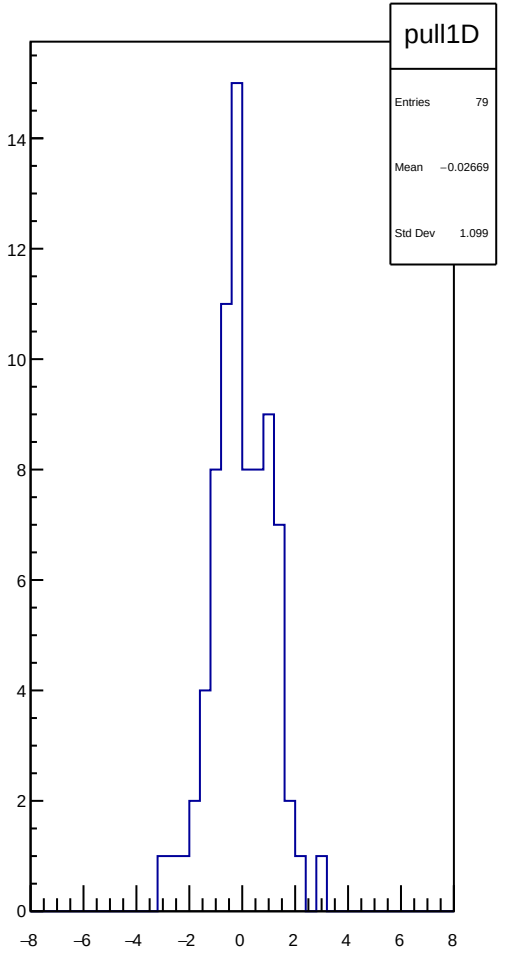

asym_sam6_correction_rms vs run
χ² / ndf 4136 / 78
p0 1202 ± 0.9612
1400
1350
1300
1250
1200
1150
1100
1050

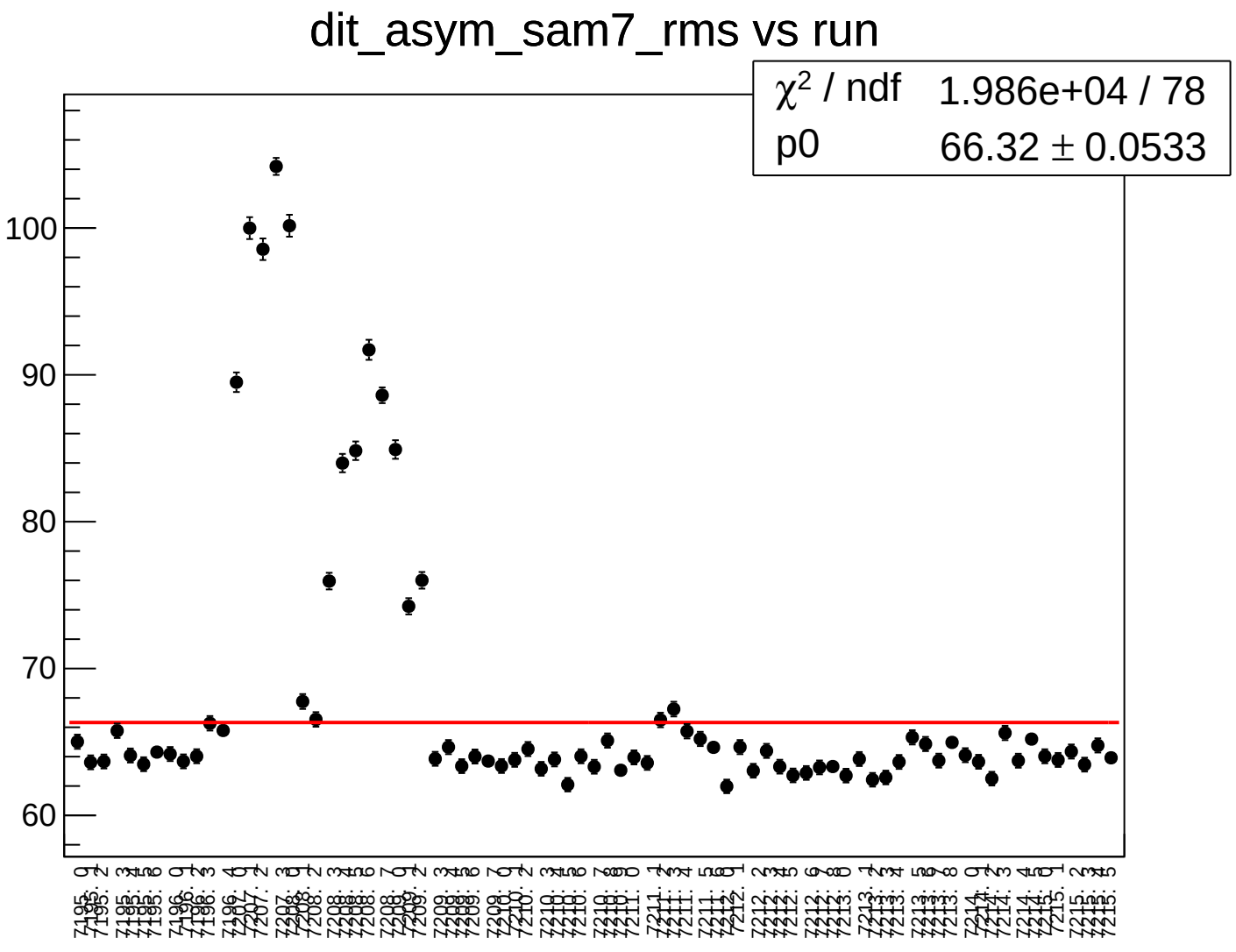

asym_sam6_mean vs run
χ² / ndf 67.98 / 78
p0 2175 ± 1345
pull
Entries 79
Mean 218.8
Std Dev 176.6

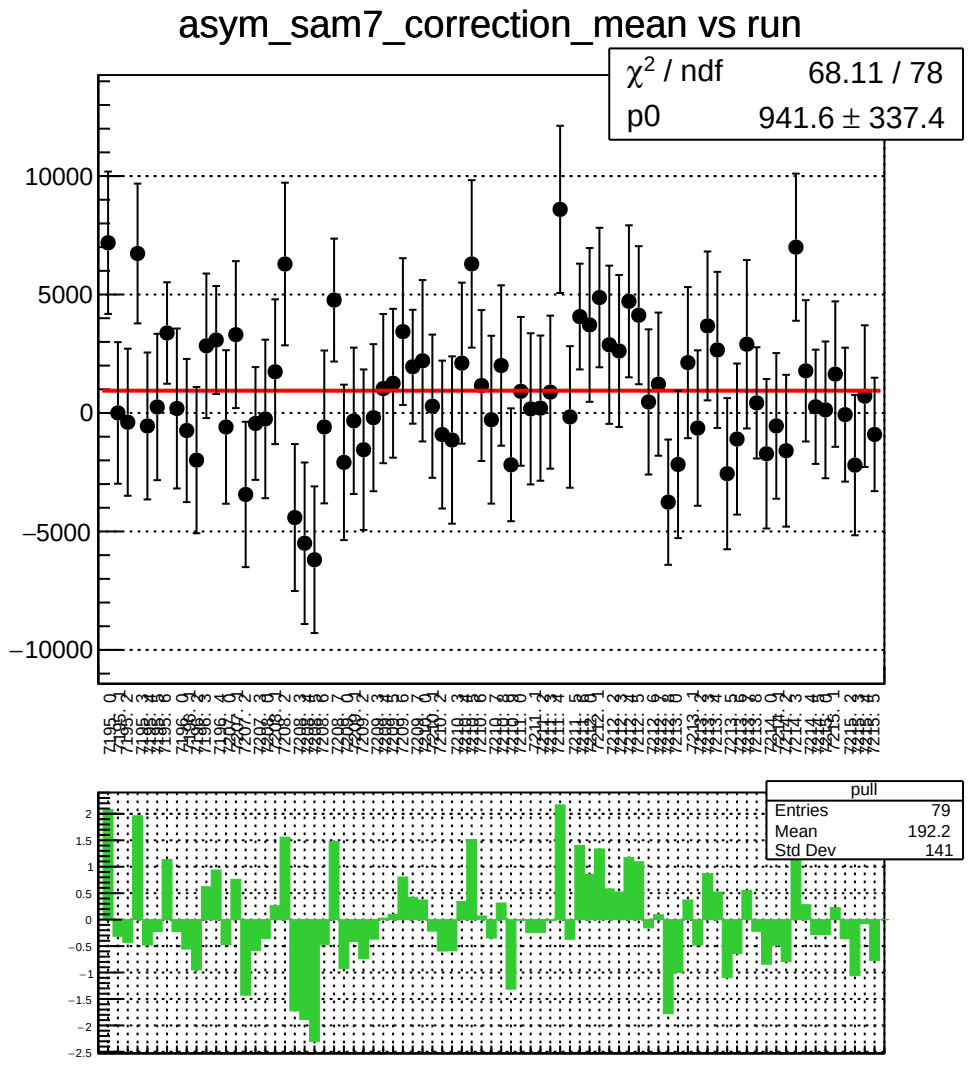

pull1D
Entries 79
Mean −0.01225
Std Dev 0.9275

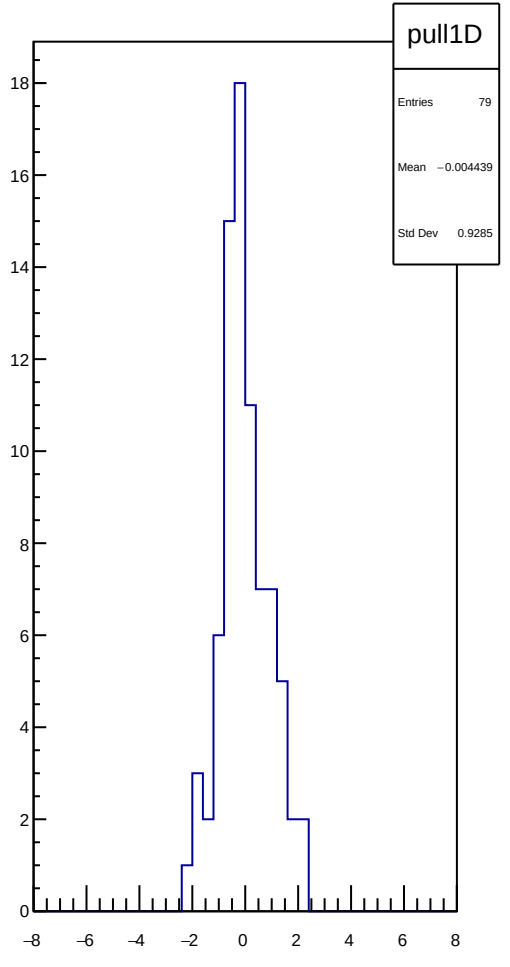

asym_sam6_rms vs run
χ² / ndf 3754 / 78
p0 1189 ± 0.9508
1350
1300
1250
1200
1150
1100
1050

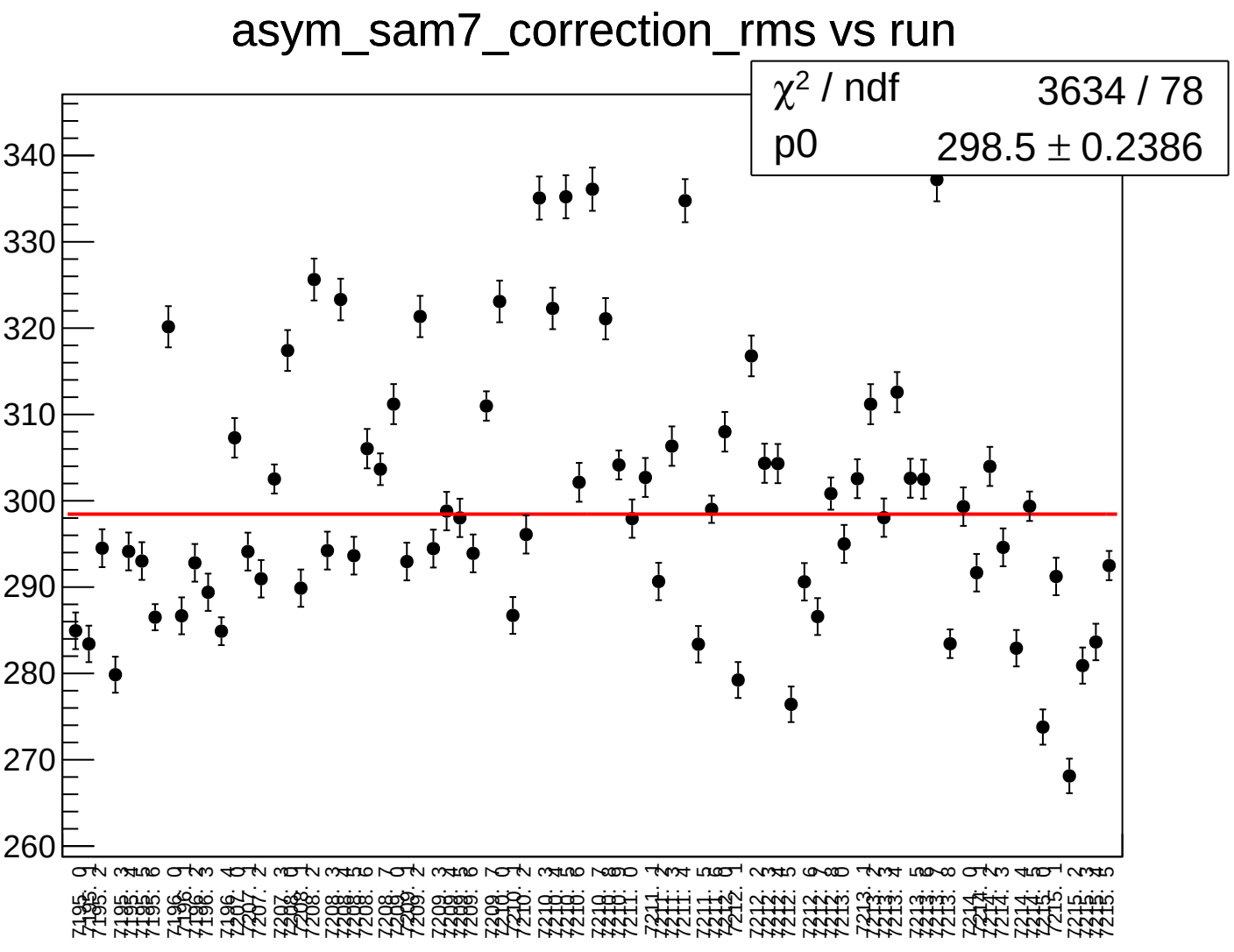

dit_asym_sam7_mean vs run
χ² / ndf 95.4 / 78
p0 188.6 ± 75.37
pull
Entries 79
Mean −124.2
Std Dev 163.6

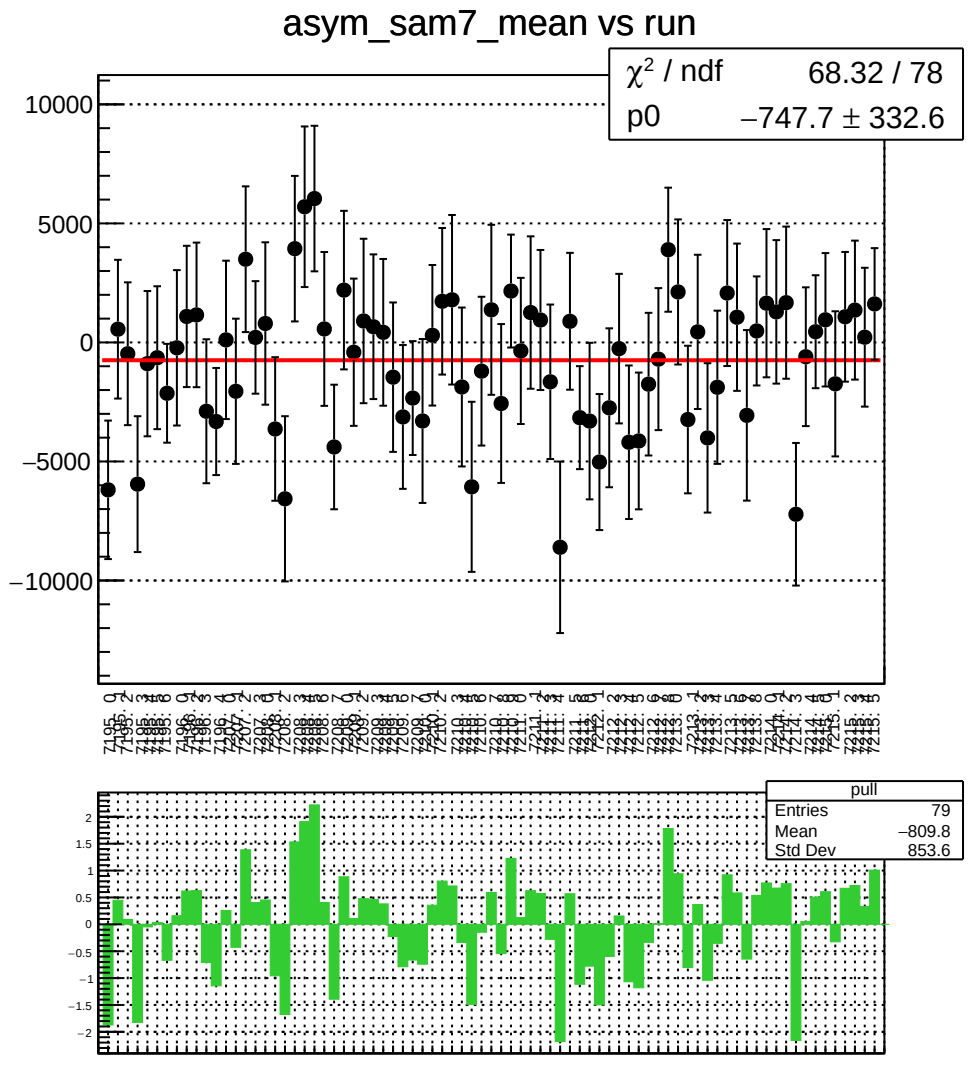

pull1D
Entries 79
Mean −0.02669
Std Dev 1.099

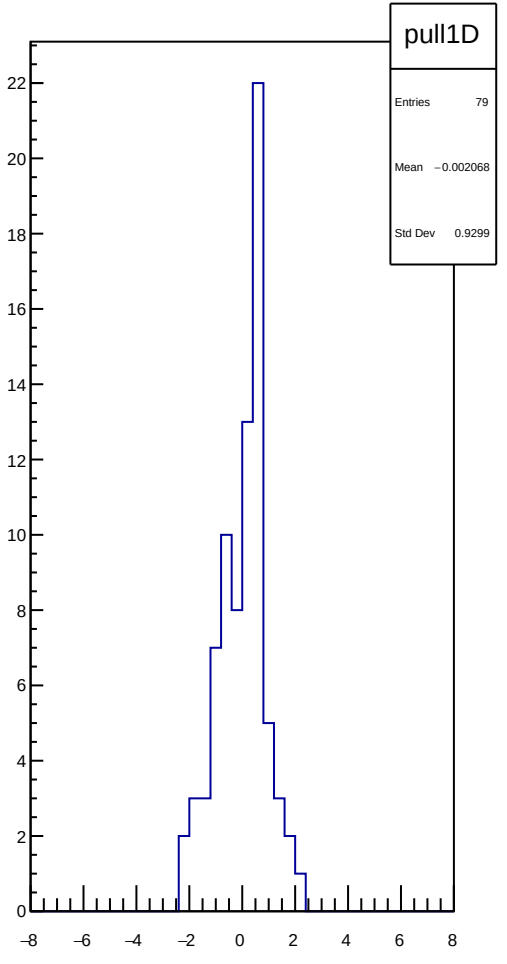

dit_asym_sam7_rms vs run
χ^2 / ndf 1.986e+04 / 78
p0 66.32 ± 0.0533
100
90
80
70
60

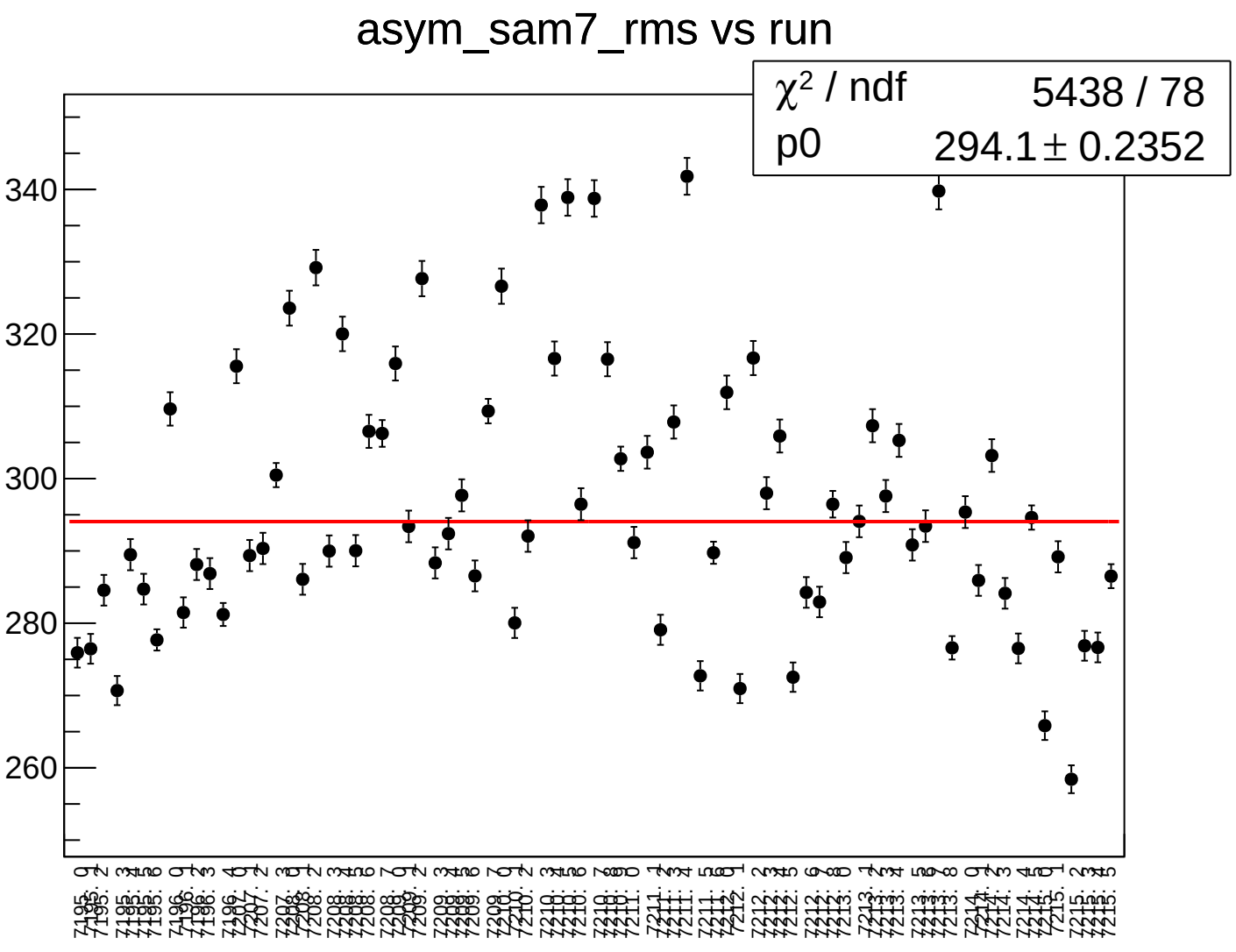

asym_sam7_correction_mean vs run
χ² / ndf 68.11 / 78
p0 941.6 ± 337.4
10000
5000
0
−5000
−10000
pull
Entries 79
Mean 192.2
Std Dev 141
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

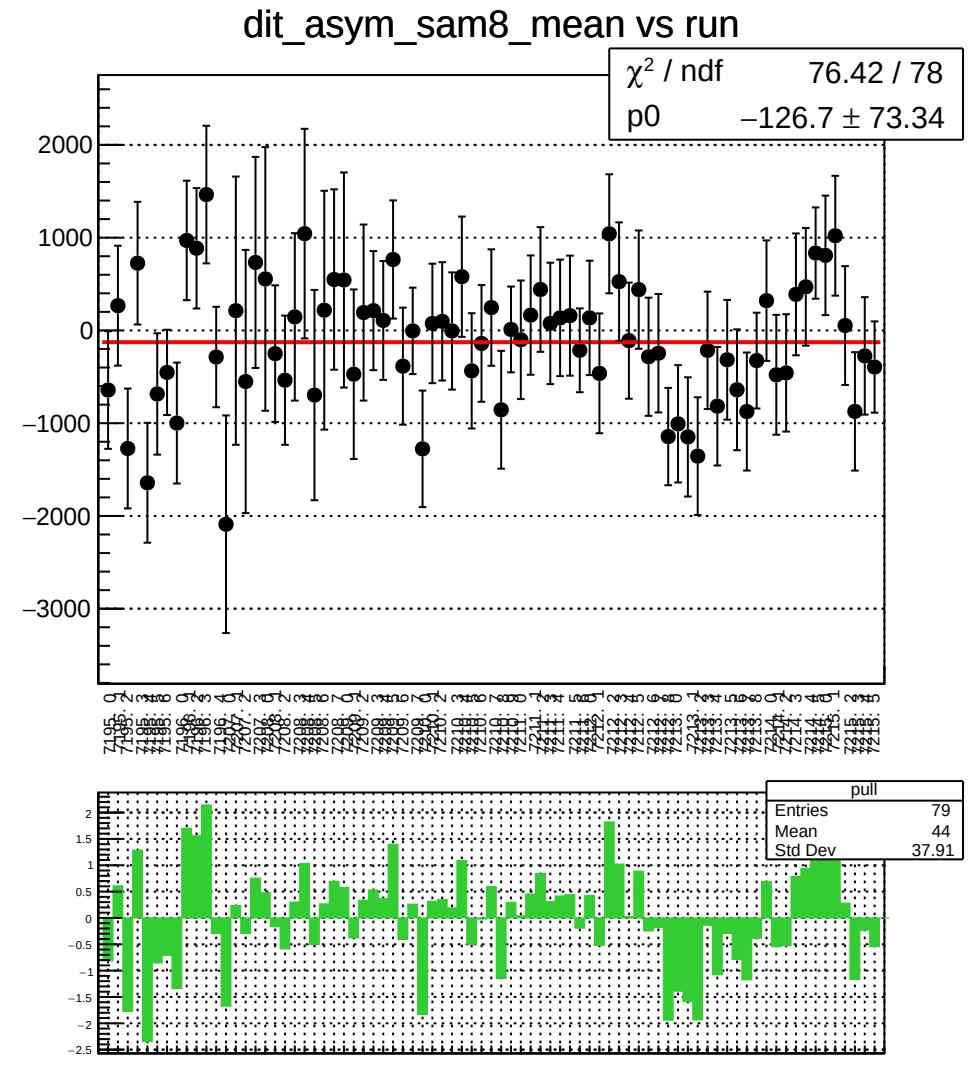

pull1D
Entries 79
Mean −0.004439
Std Dev 0.9285
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

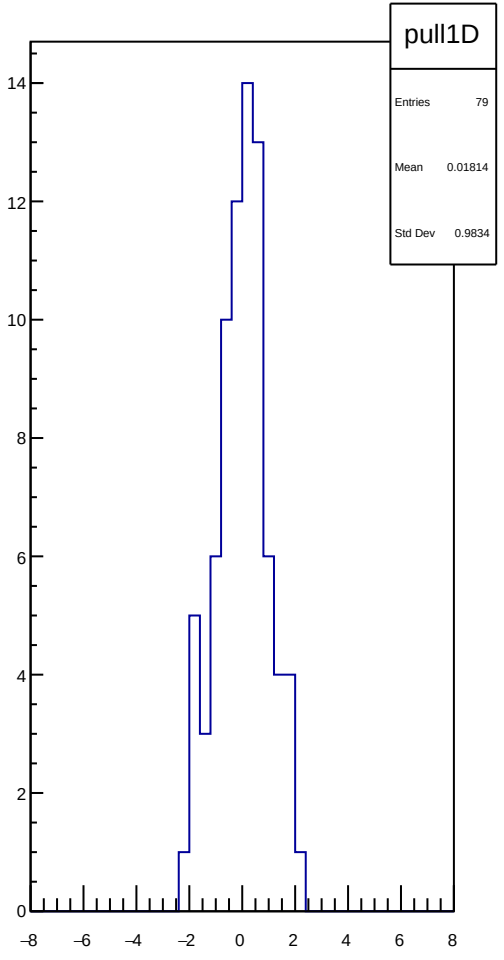

asym_sam7_correction_rms vs run
χ² / ndf 3634 / 78
p0 298.5 ± 0.2386
340
330
320
310
300
290
280
270
260

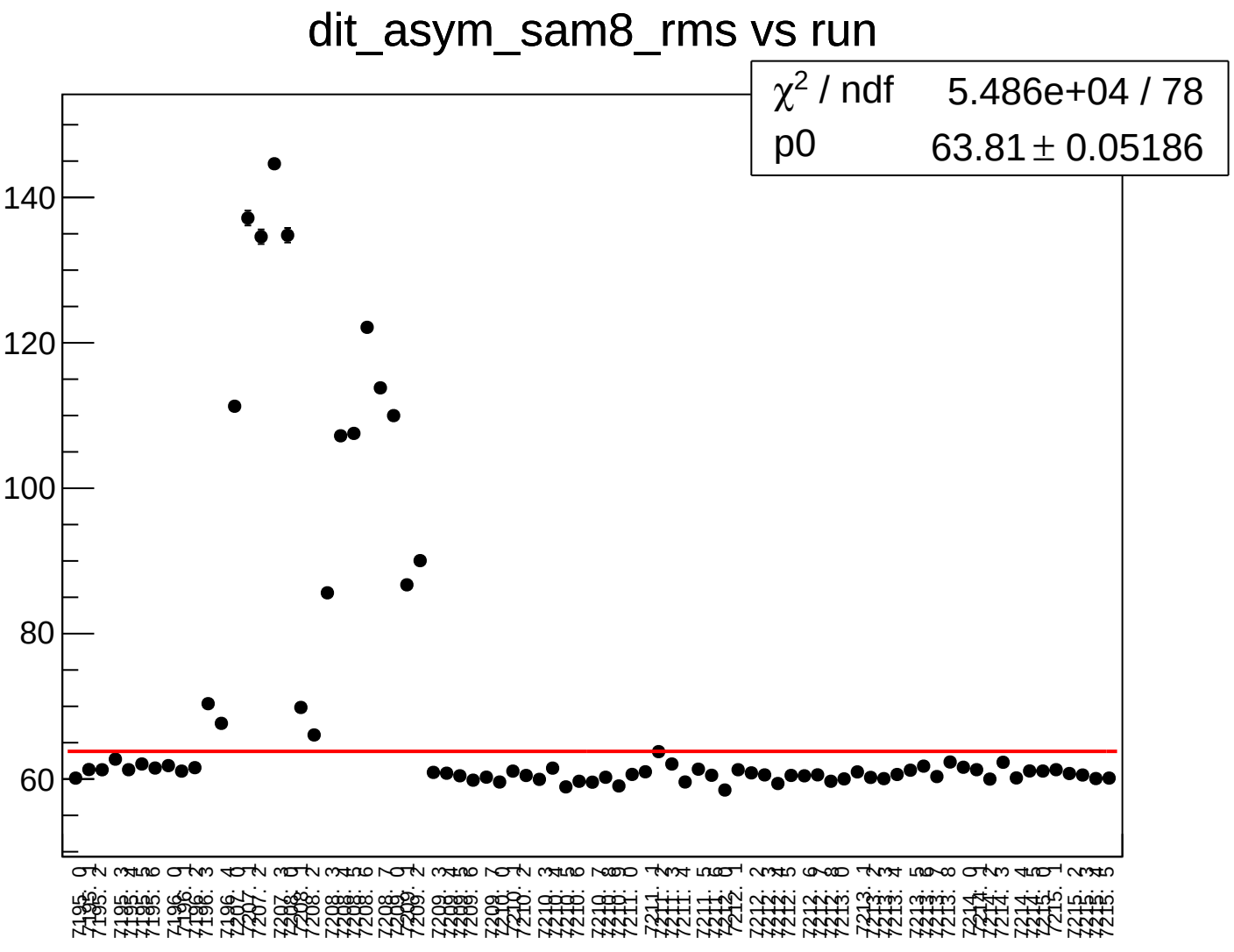

asym_sam7_mean vs run
χ² / ndf 68.32 / 78
p0 −747.7 ± 332.6
10000
5000
0
−5000
−10000
pull
Entries 79
Mean −809.8
Std Dev 853.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

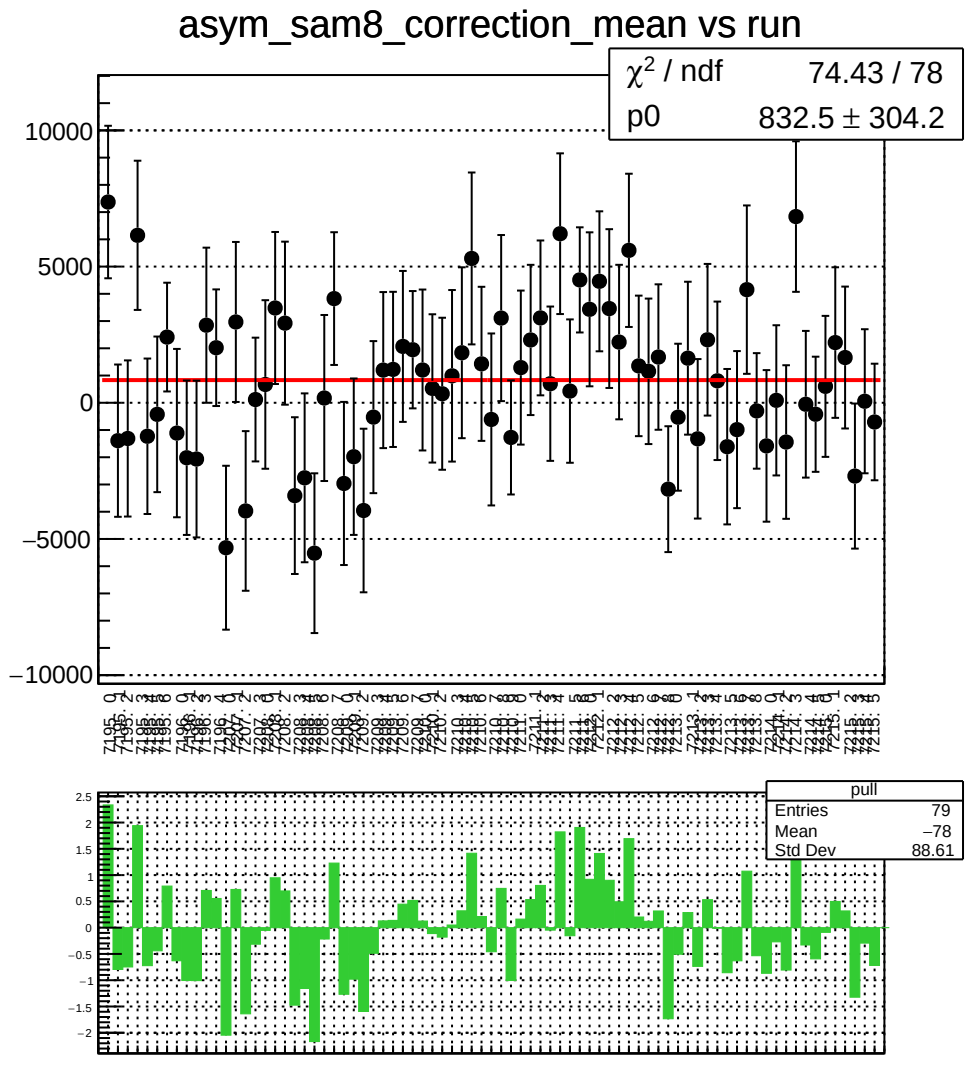

pull1D
Entries 79
Mean −0.002068
Std Dev 0.9299
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

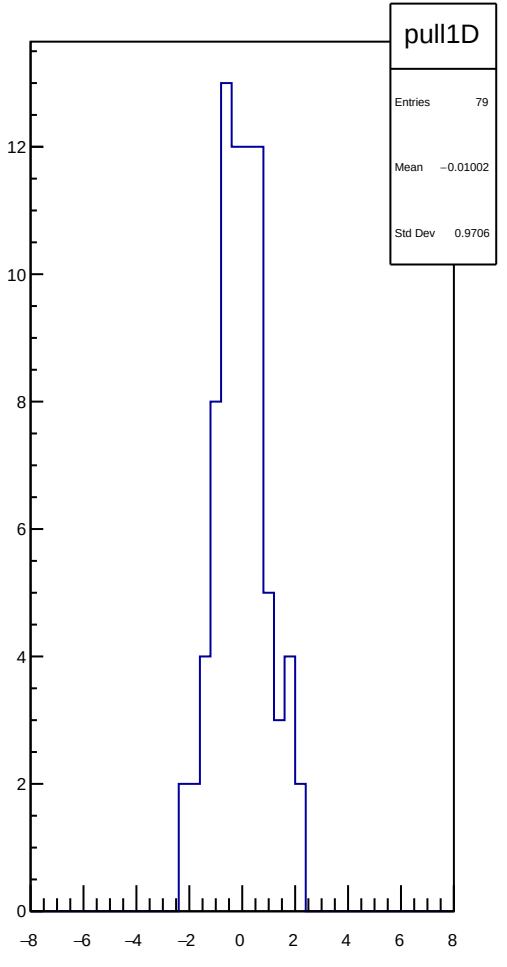

asym_sam7_rms vs run
χ² / ndf 5438 / 78
p0 294.1 ± 0.2352
340
320
300
280
260

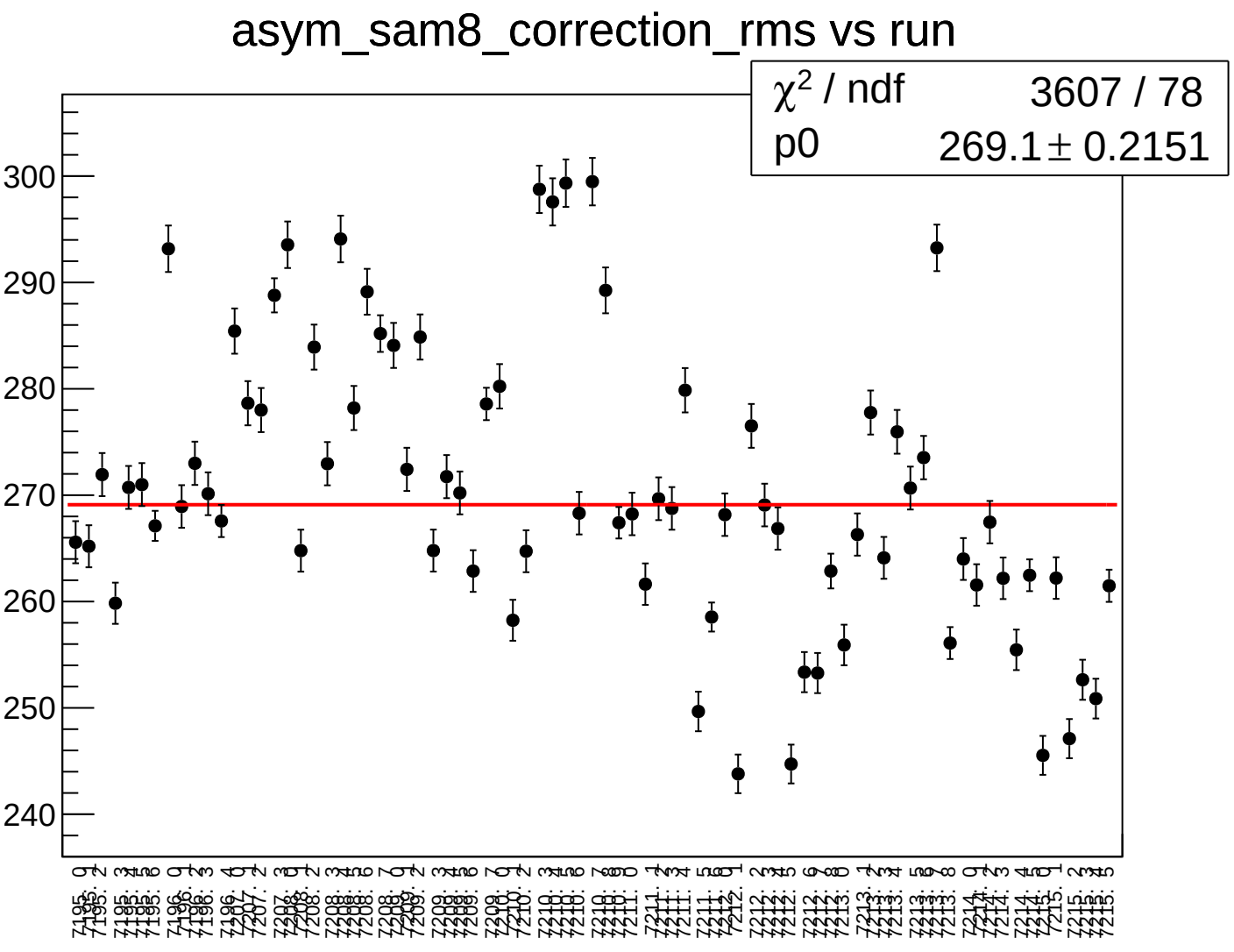

dit_asym_sam8_mean vs run
χ² / ndf 76.42 / 78
p0 −126.7 ± 73.34
pull
Entries 79
Mean 44
Std Dev 37.91

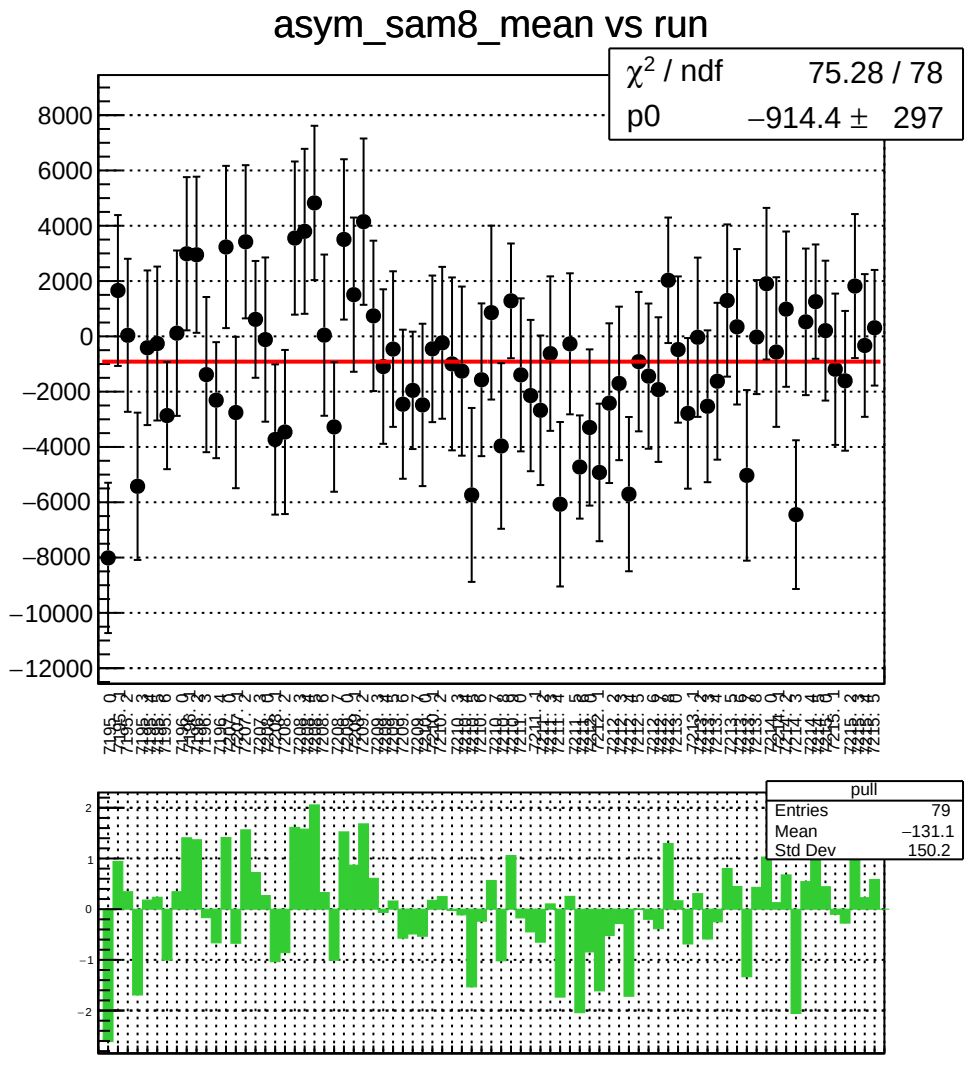

pull1D
Entries 79
Mean 0.01814
Std Dev 0.9834

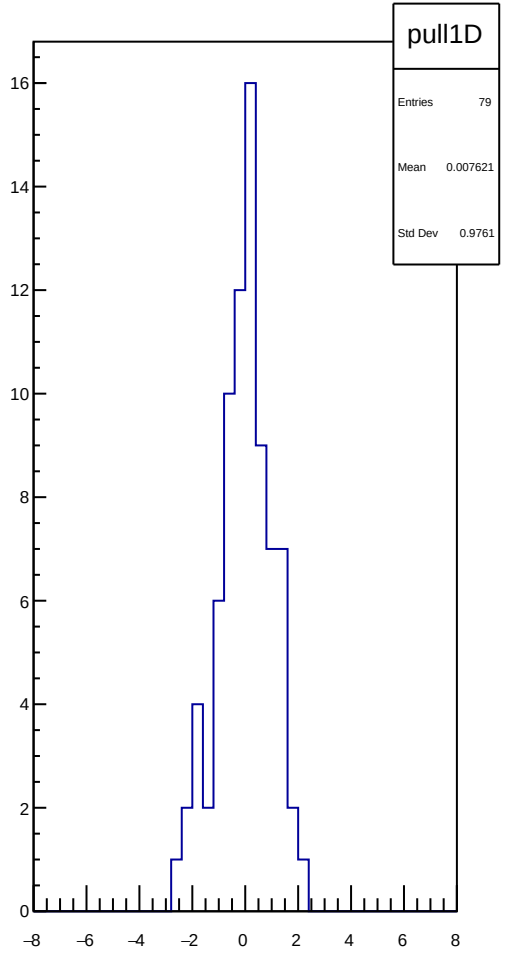

dit_asym_sam8_rms vs run
χ^2 / ndf 5.486e+04 / 78
p0 63.81 ± 0.05186
140
120
100
80
60

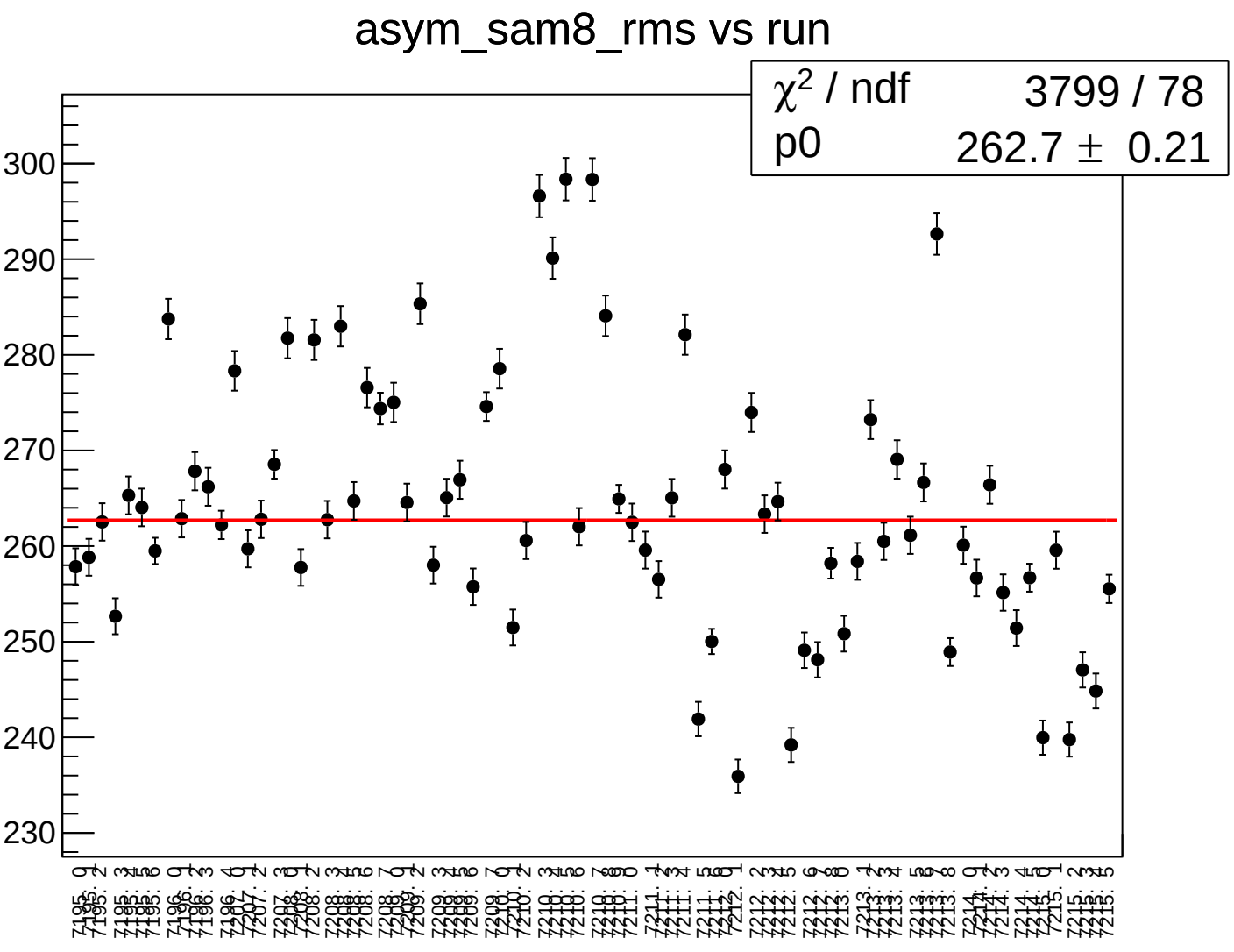

asym_sam8_correction_mean vs run
χ² / ndf 74.43 / 78
p0 832.5 ± 304.2
10000
5000
0
−5000
−10000
pull
Entries 79
Mean −78
Std Dev 88.61
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

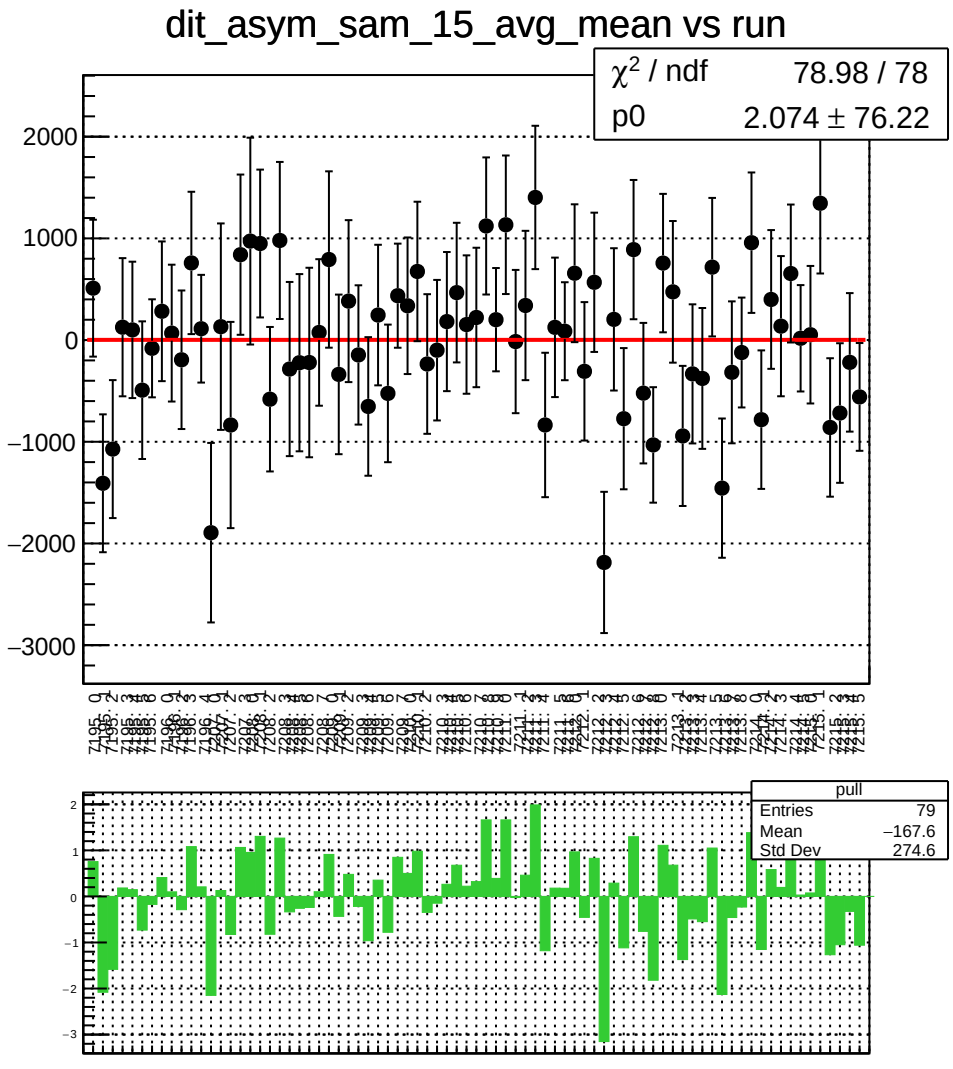

pull1D
Entries 79
Mean −0.01002
Std Dev 0.9706
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

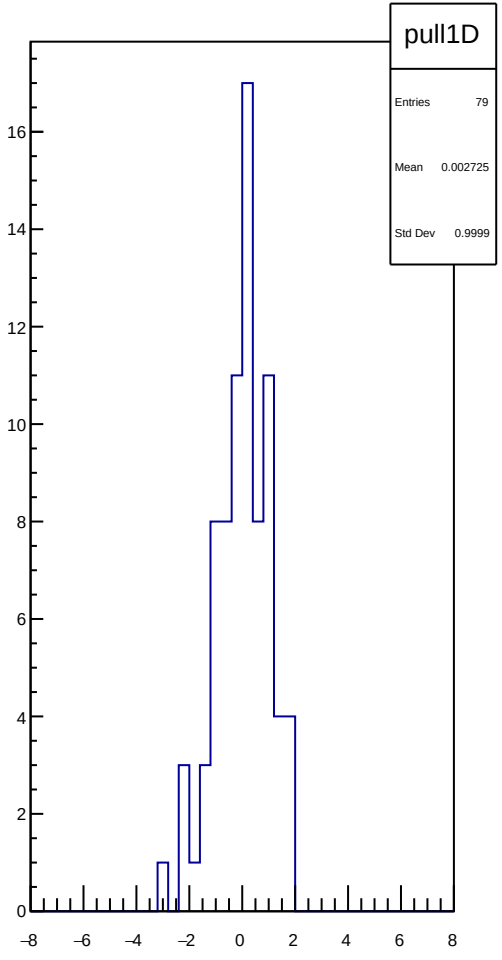

asym_sam8_correction_rms vs run
χ² / ndf 3607 / 78
p0 269.1 ± 0.2151
300
290
280
270
260
250
240

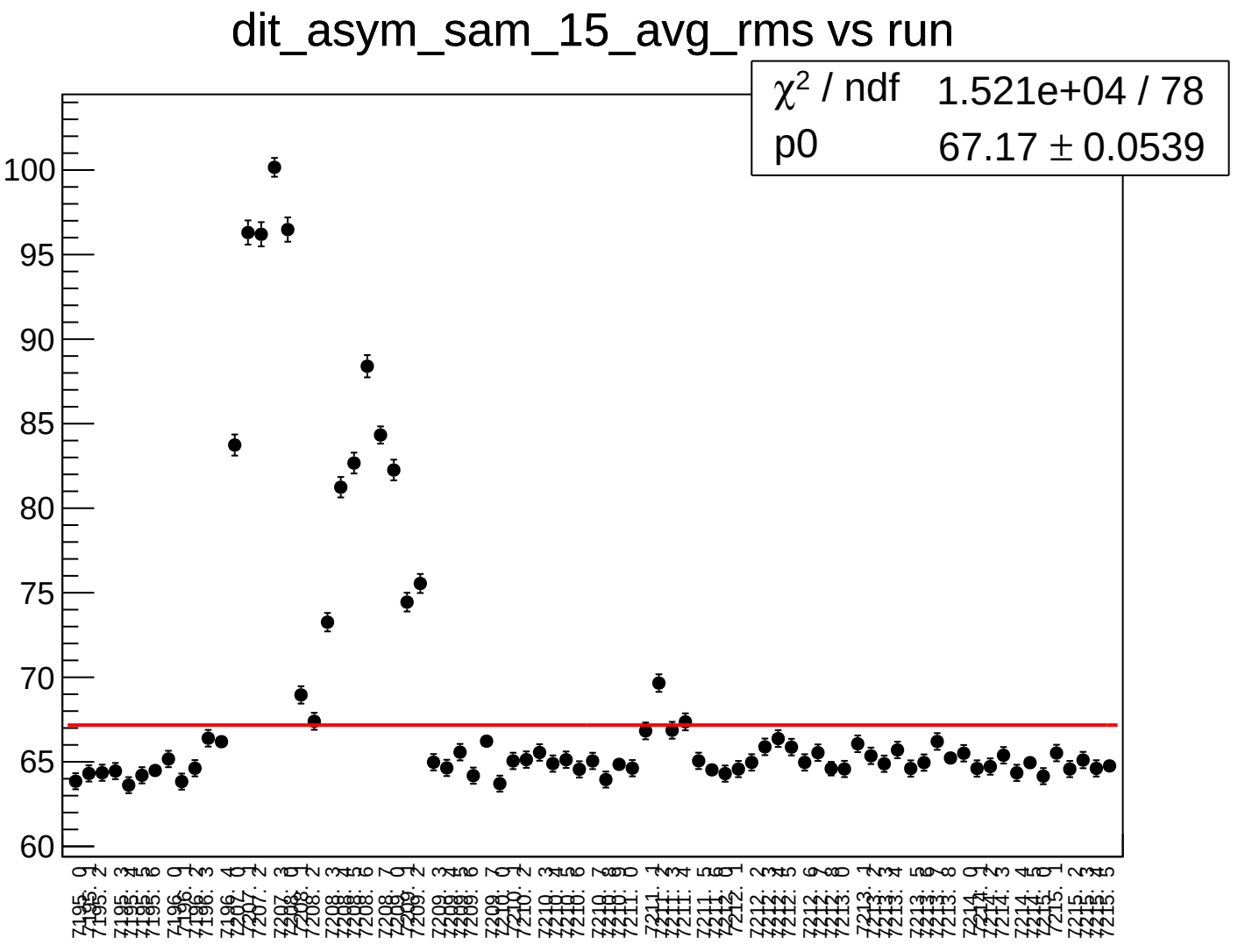

asym_sam8_mean vs run
χ² / ndf 75.28 / 78
p0 −914.4 ± 297
pull
Entries 79
Mean −131.1
Std Dev 150.2

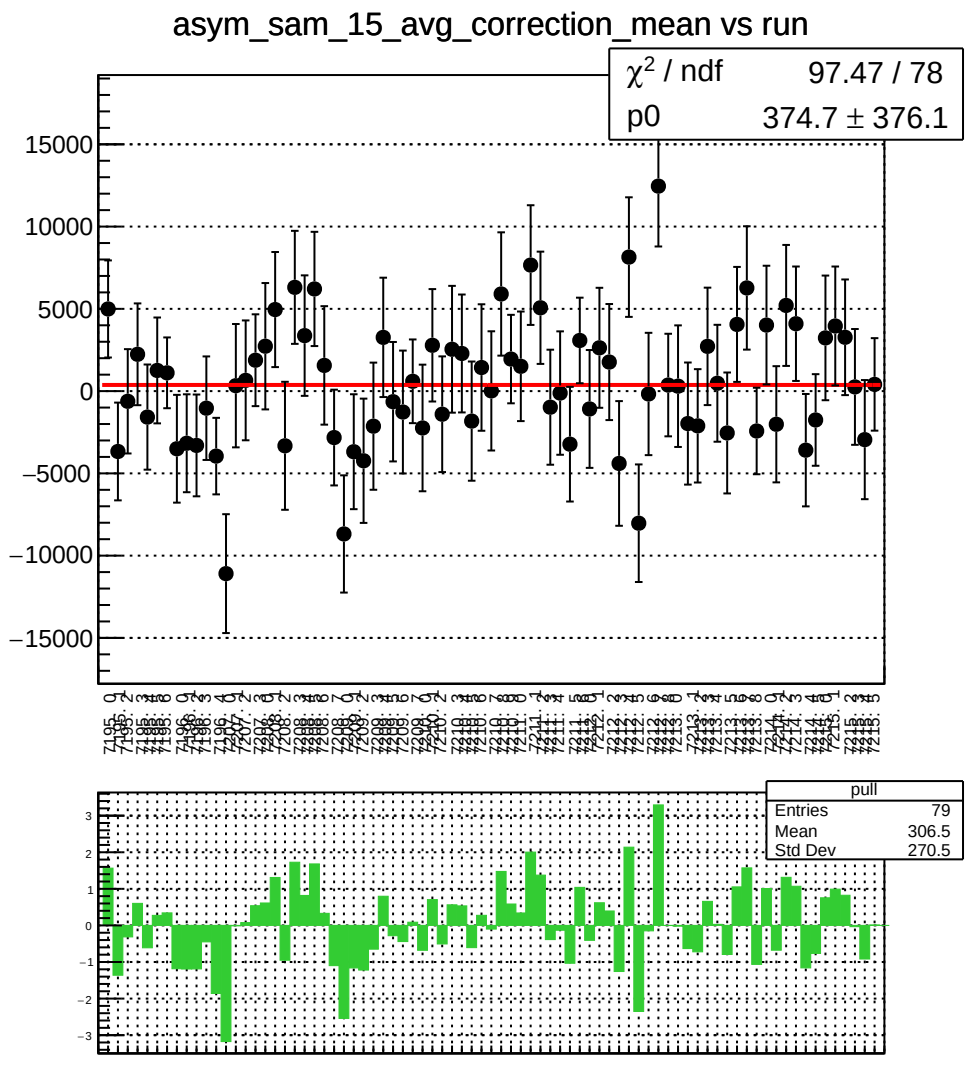

pull1D
Entries 79
Mean 0.007621
Std Dev 0.9761

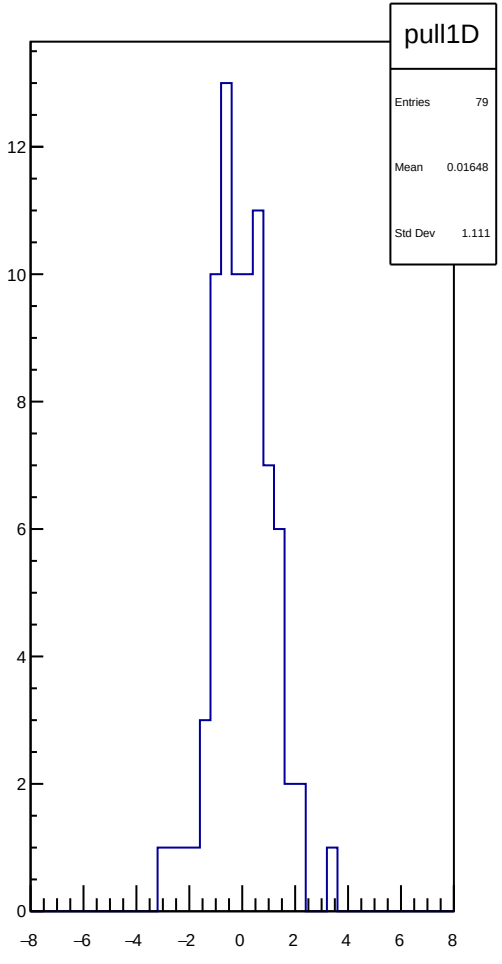

asym_sam8_rms vs run
χ² / ndf 3799 / 78
p0 262.7 ± 0.21
300
290
280
270
260
250
240
230

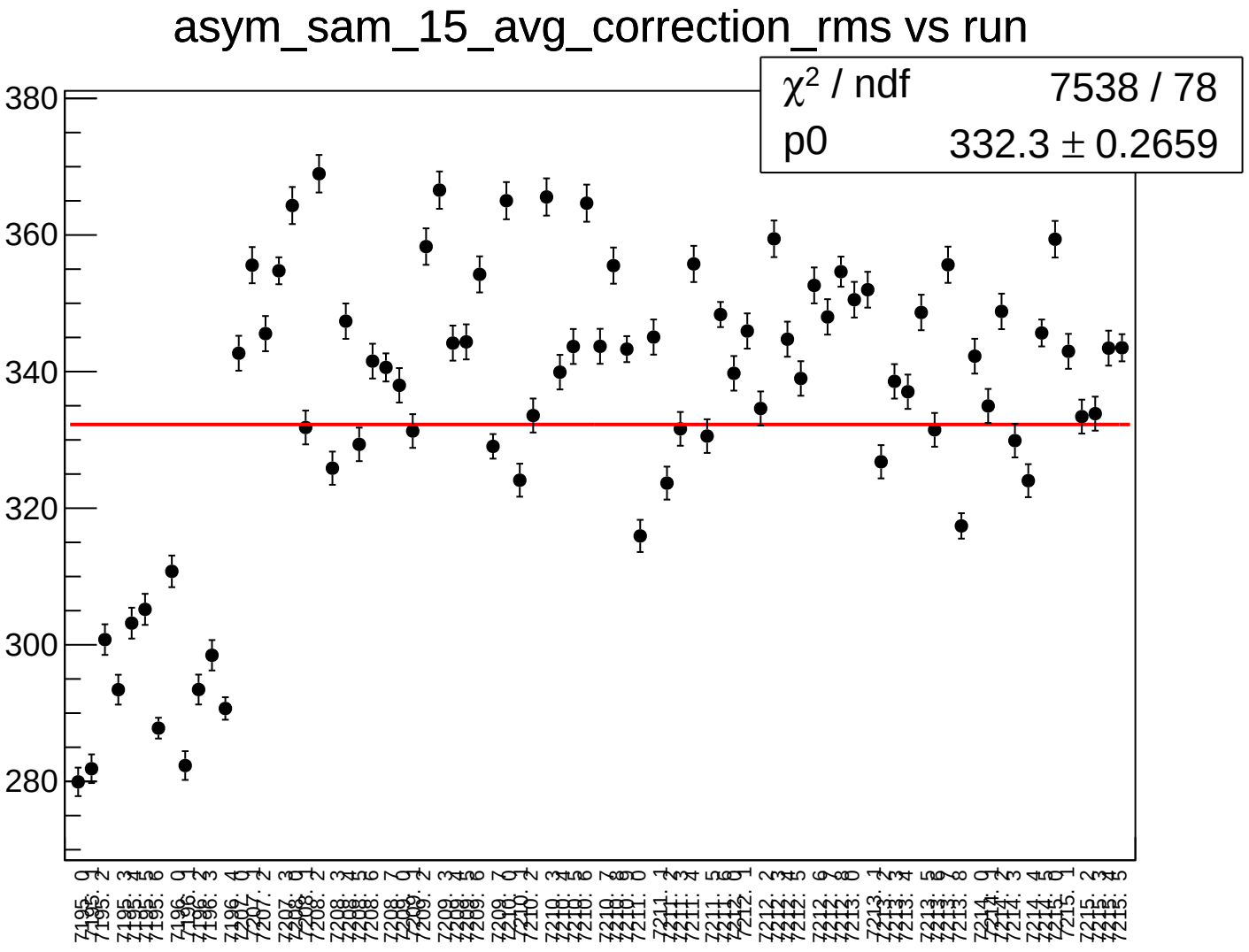

dit_asym_sam_15_avg_mean vs run
χ² / ndf 78.98 / 78
p0 2.074 ± 76.22
pull
Entries 79
Mean −167.6
Std Dev 274.6

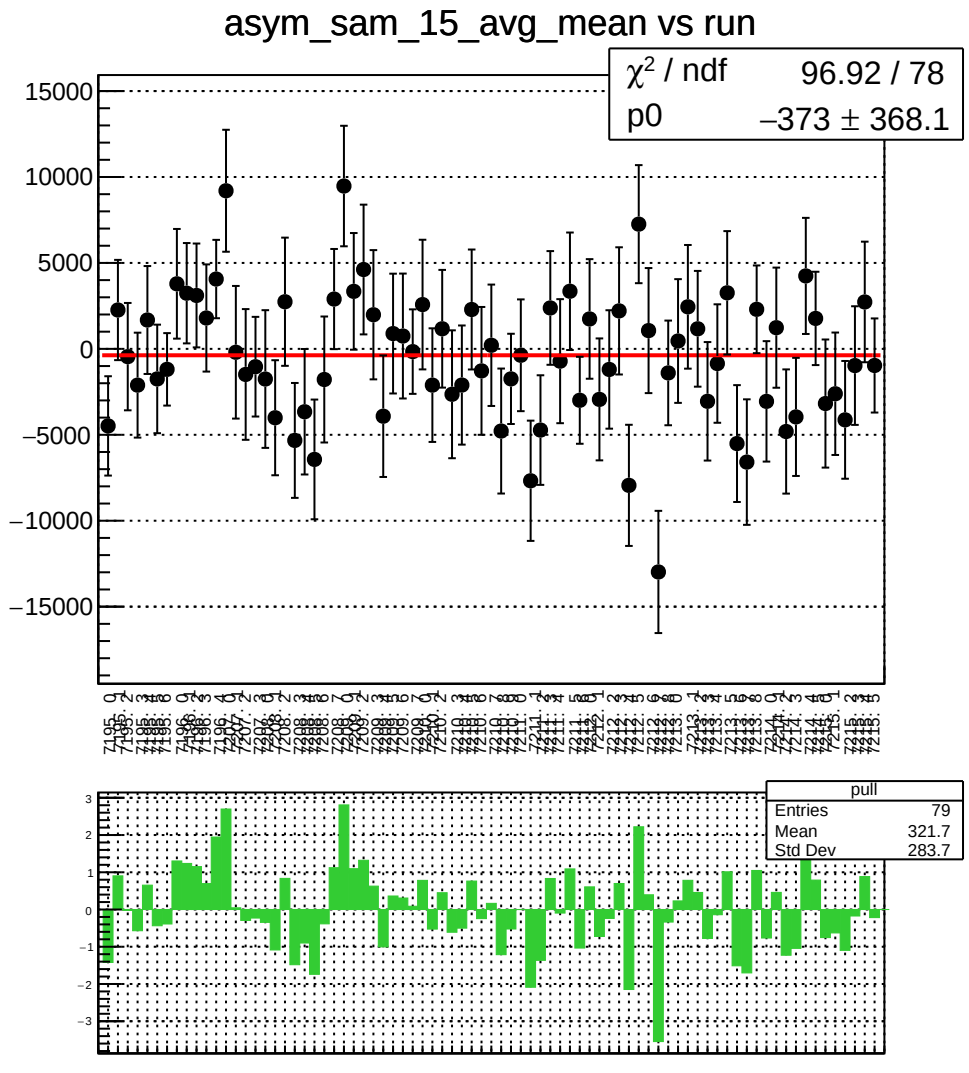

pull1D
Entries 79
Mean 0.002725
Std Dev 0.9999

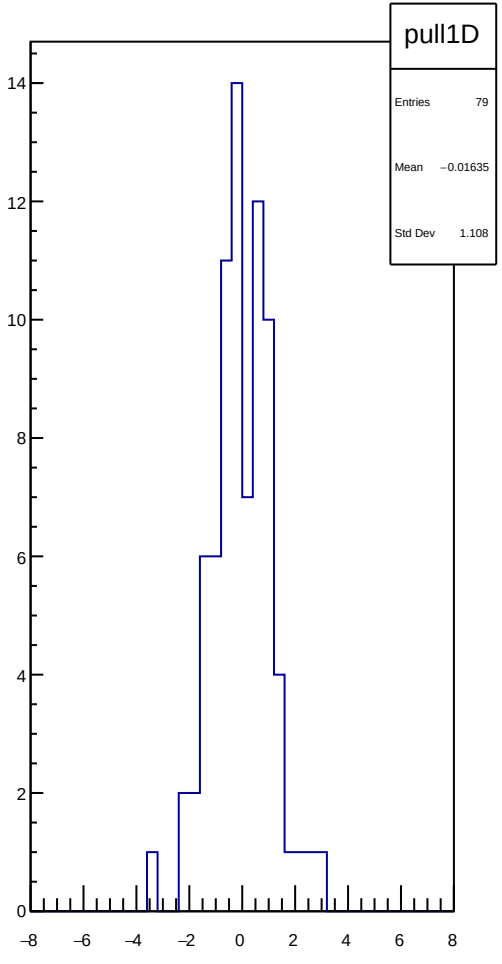

dit_asym_sam_15_avg_rms vs run
χ^2 / ndf 1.521e+04 / 78
p0 67.17 ± 0.0539
100
95
90
85
80
75
70
65
60

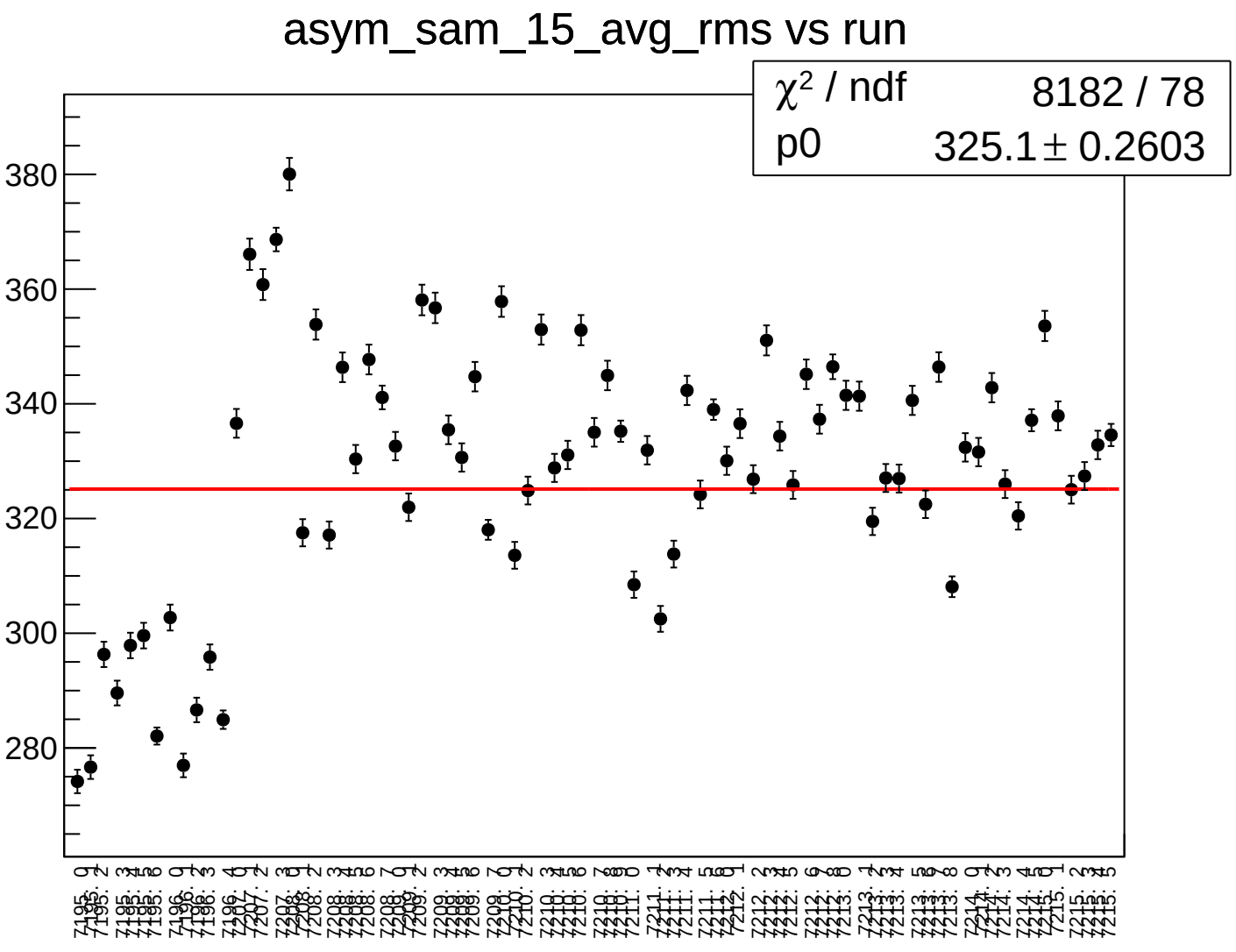

asym_sam_15_avg_correction_mean vs run
χ² / ndf 97.47 / 78
p0 374.7 ± 376.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 79
Mean 306.5
Std Dev 270.5
3
2
1
0
−1
−2
−3

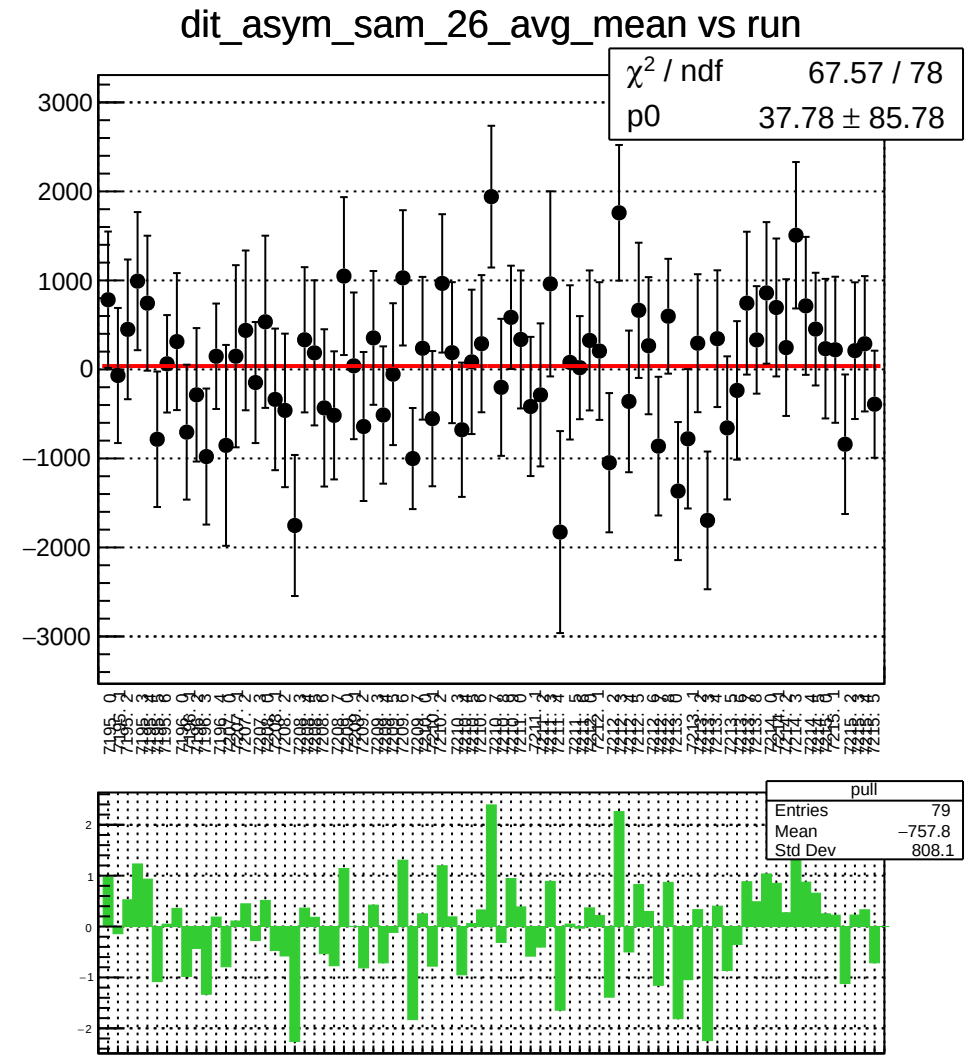

pull1D
Entries 79
Mean 0.01648
Std Dev 1.111
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

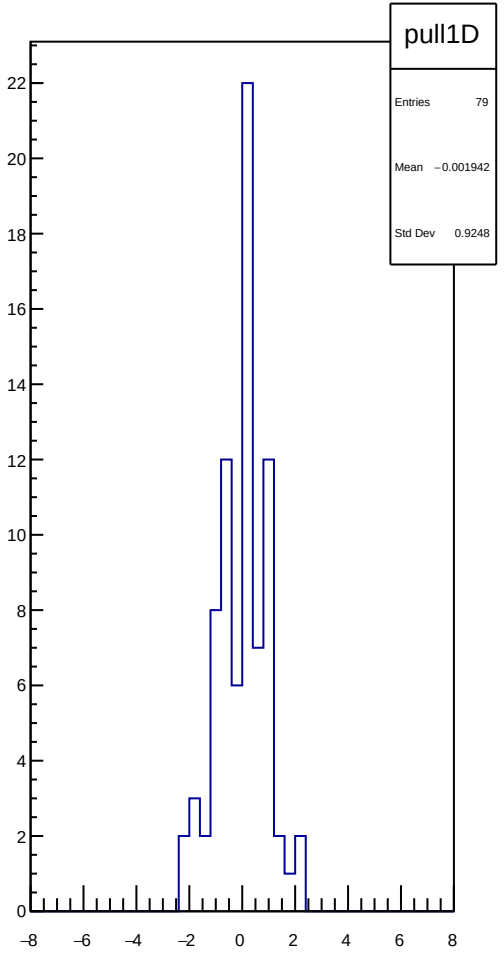

asym_sam_15_avg_correction_rms vs run
χ² / ndf 7538 / 78
p0 332.3 ± 0.2659
380
360
340
320
300
280

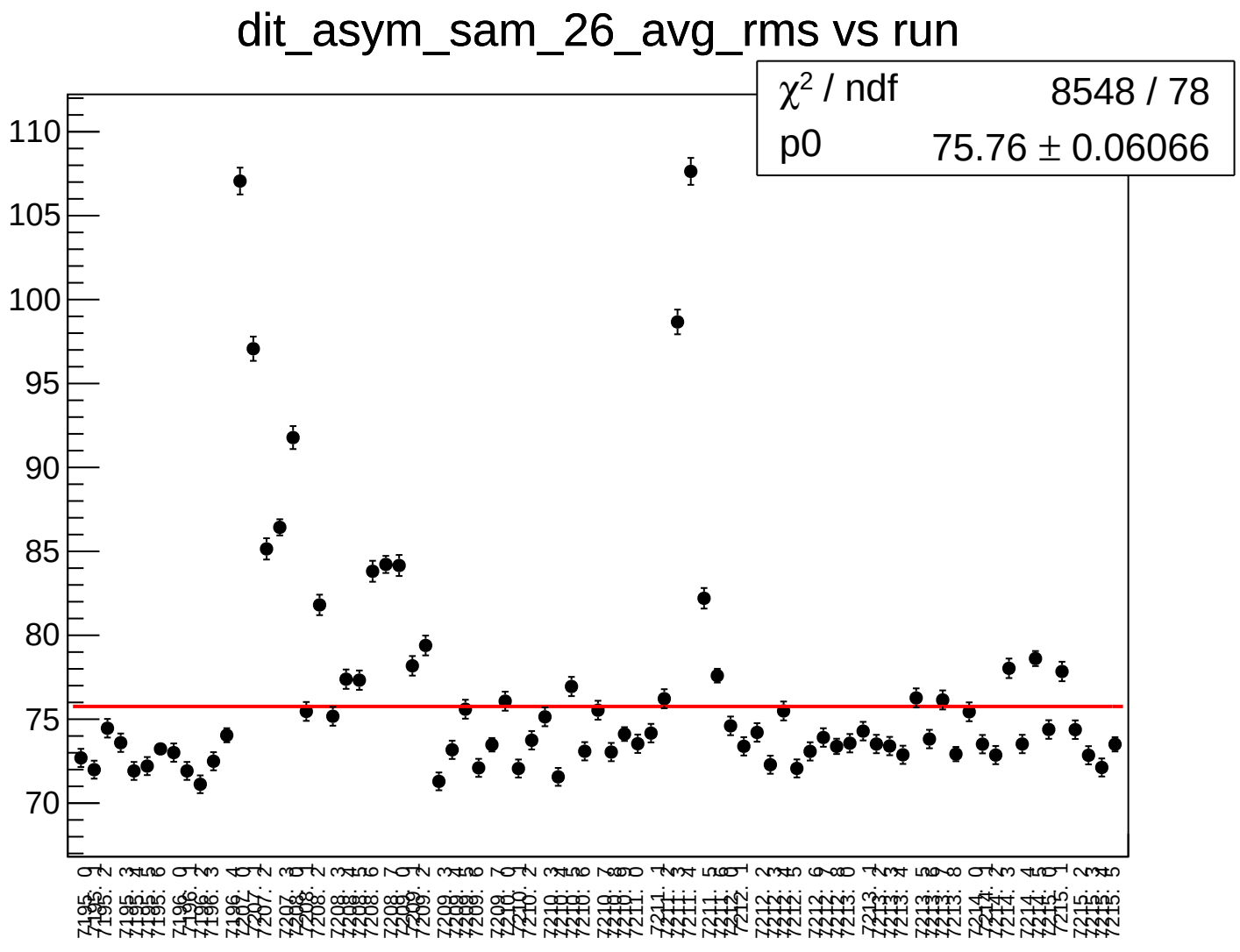

asym_sam_15_avg_mean vs run
χ² / ndf 96.92 / 78
p0 −373 ± 368.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 79
Mean 321.7
Std Dev 283.7
3
2
1
0
−1
−2
−3

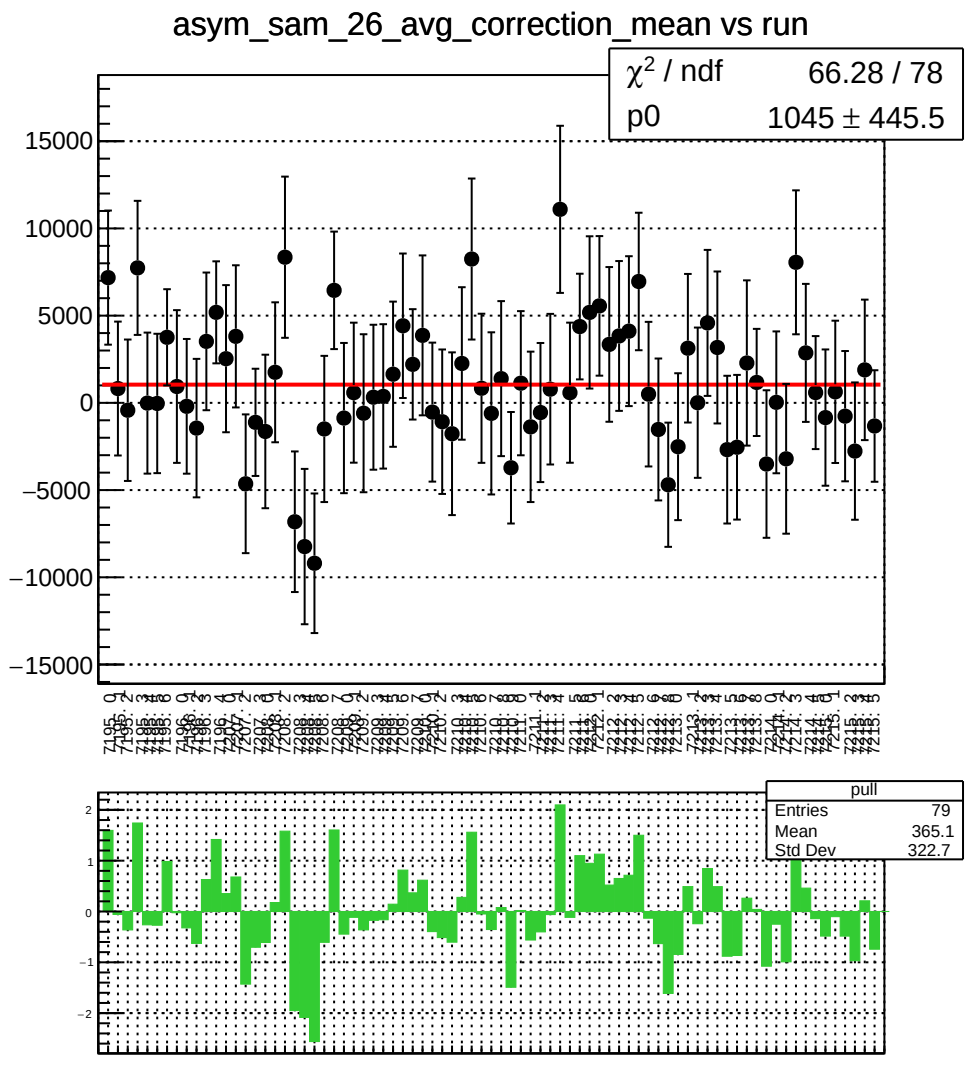

pull1D
Entries 79
Mean −0.01635
Std Dev 1.108
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

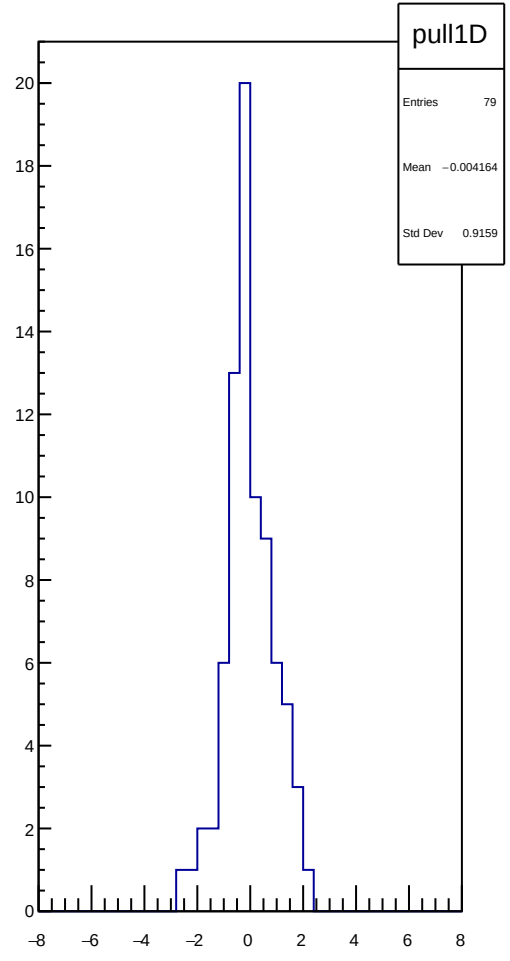

asym_sam_15_avg_rms vs run
χ² / ndf 8182 / 78
p0 325.1 ± 0.2603
380
360
340
320
300
280

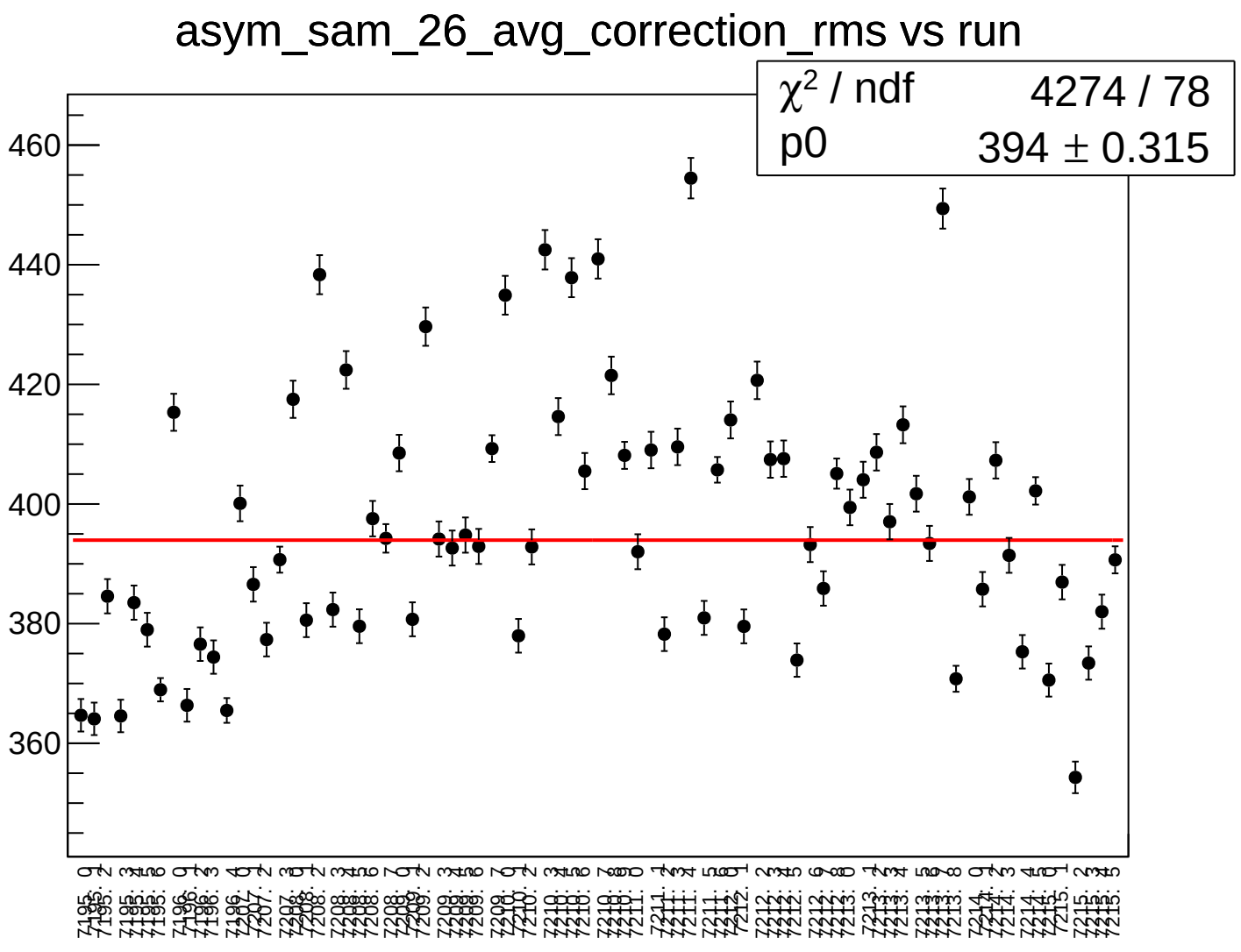

dit_asym_sam_26_avg_mean vs run
χ² / ndf 67.57 / 78
p0 37.78 ± 85.78
pull
Entries 79
Mean −757.8
Std Dev 808.1

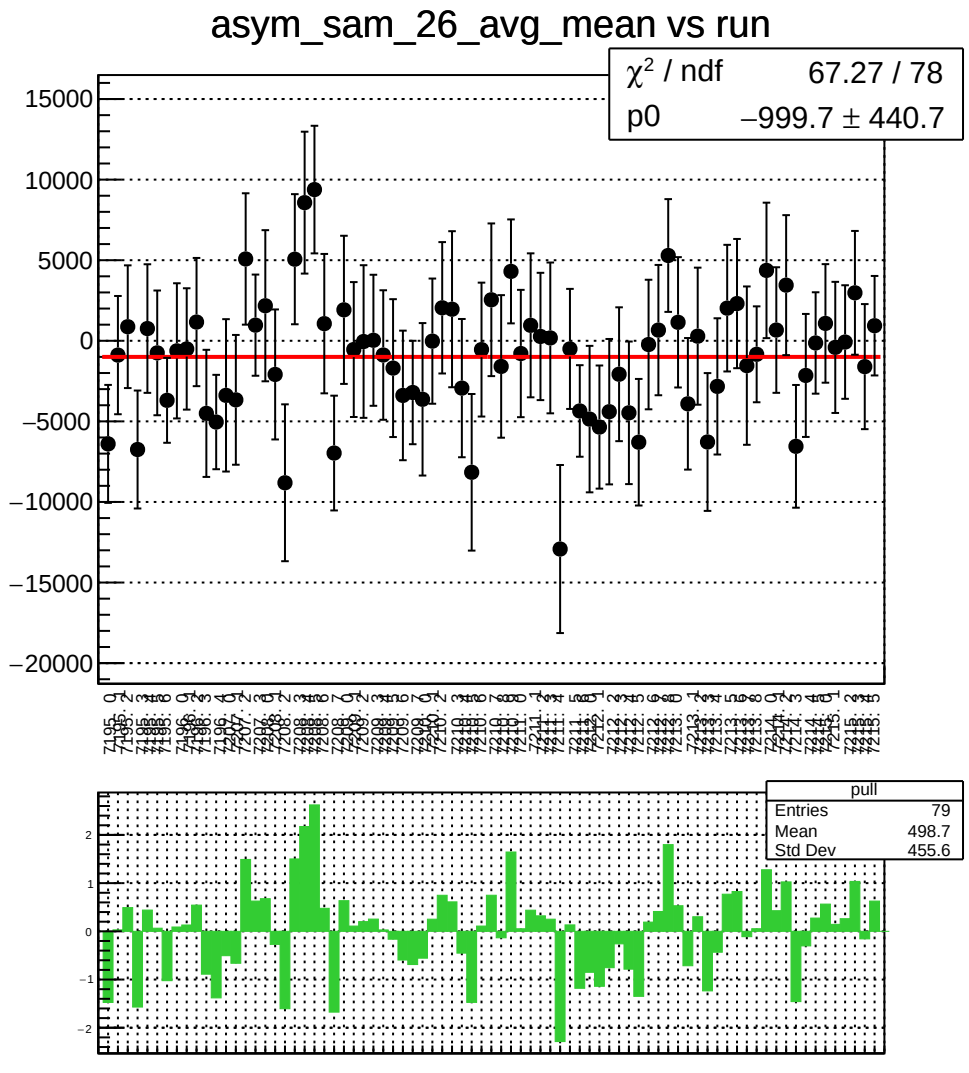

pull1D
Entries 79
Mean −0.001942
Std Dev 0.9248

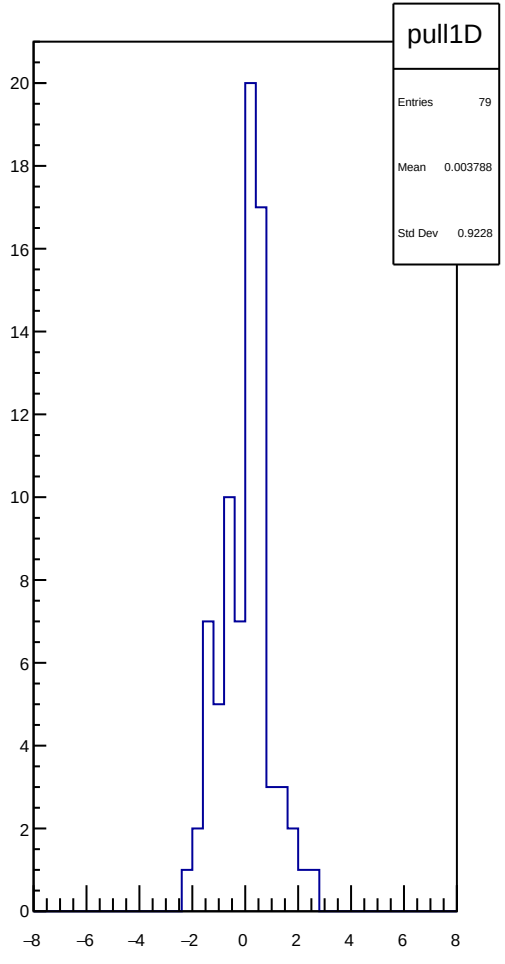

dit_asym_sam_26_avg_rms vs run
χ^2 / ndf 8548 / 78
p0 75.76 ± 0.06066
110
105
100
95
90
85
80
75
70

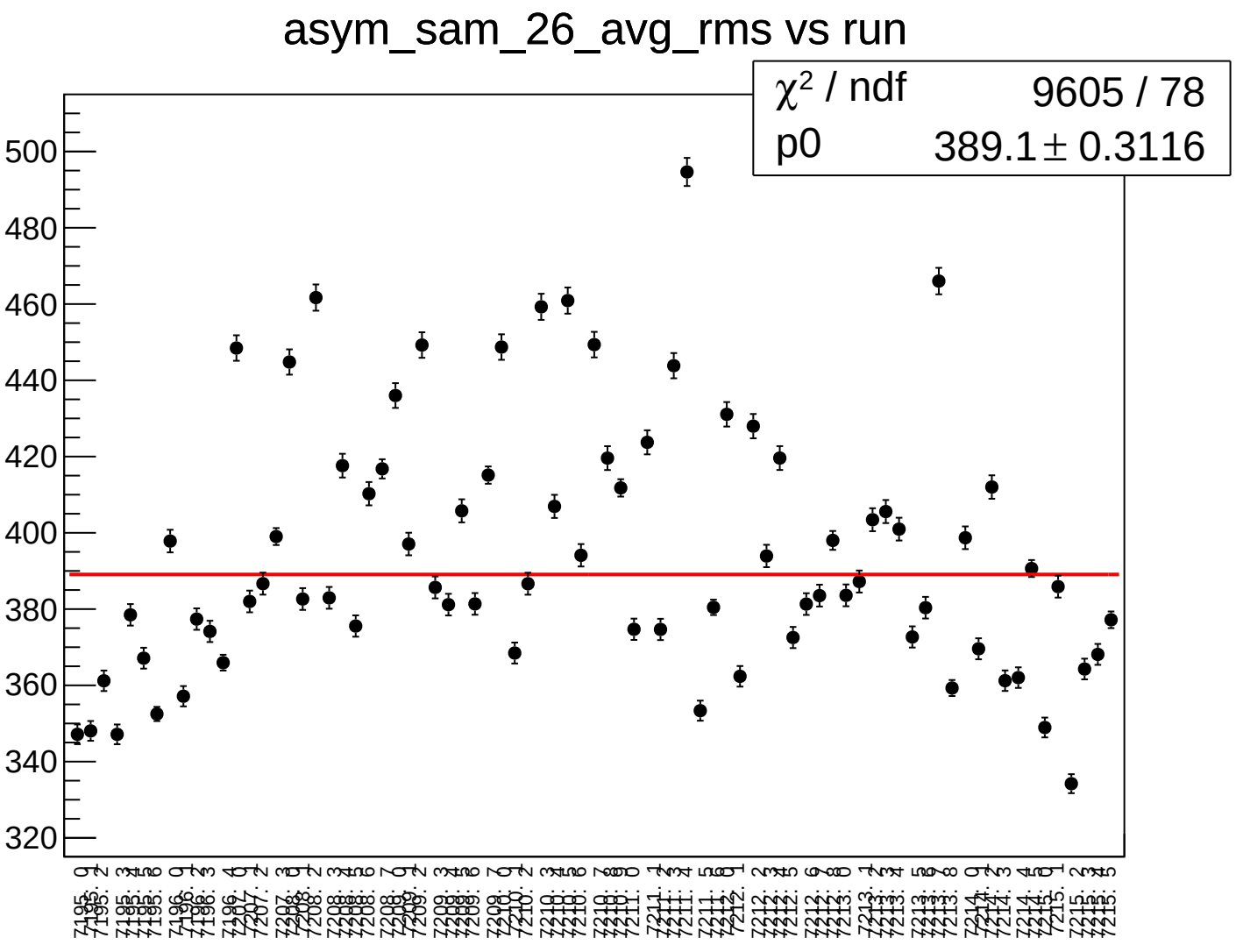

asym_sam_26_avg_correction_mean vs run
χ² / ndf 66.28 / 78
p0 1045 ± 445.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 79
Mean 365.1
Std Dev 322.7
2
1
0
−1
−2

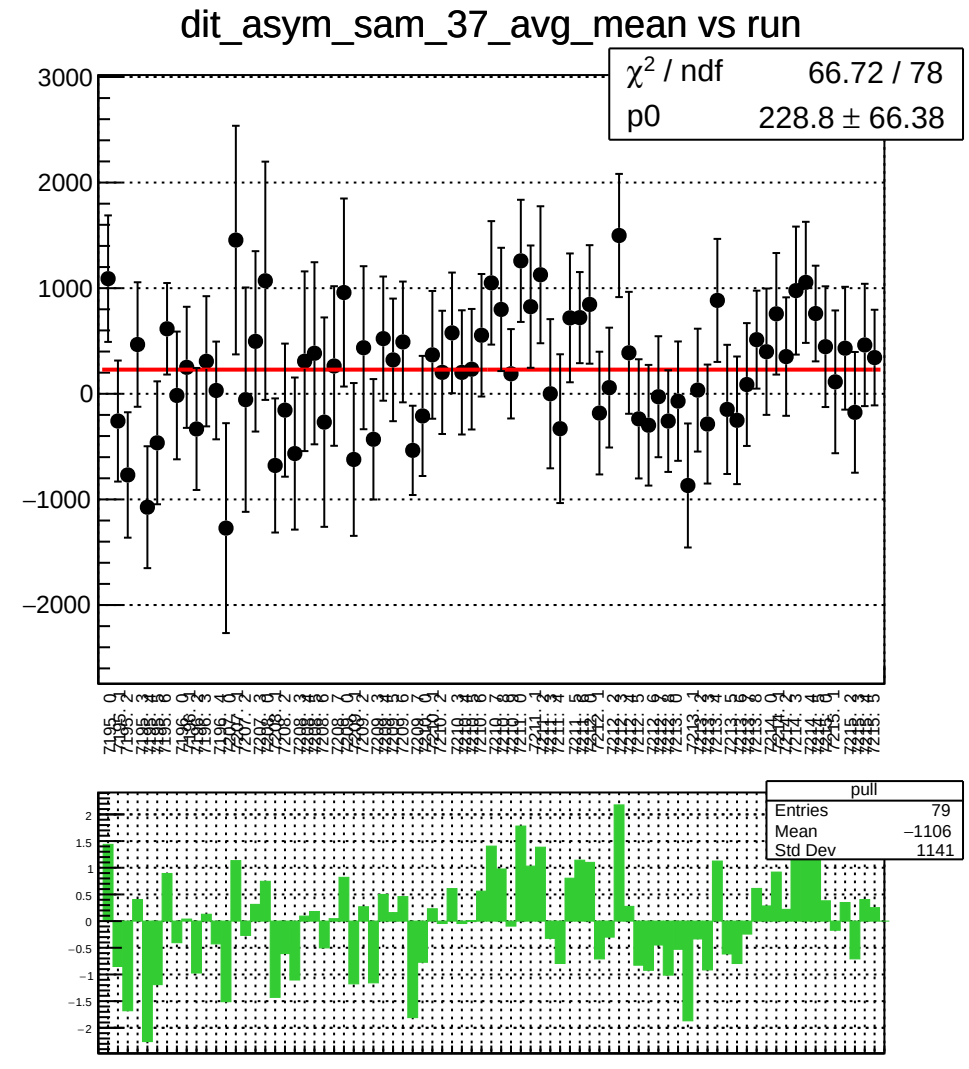

pull1D
Entries 79
Mean −0.004164
Std Dev 0.9159
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

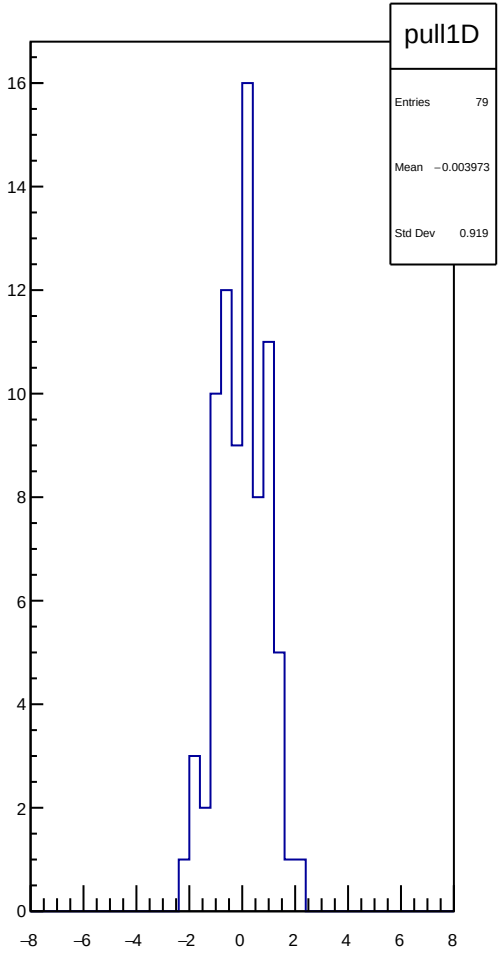

asym_sam_26_avg_correction_rms vs run
χ² / ndf 4274 / 78
p0 394 ± 0.315
460
440
420
400
380
360

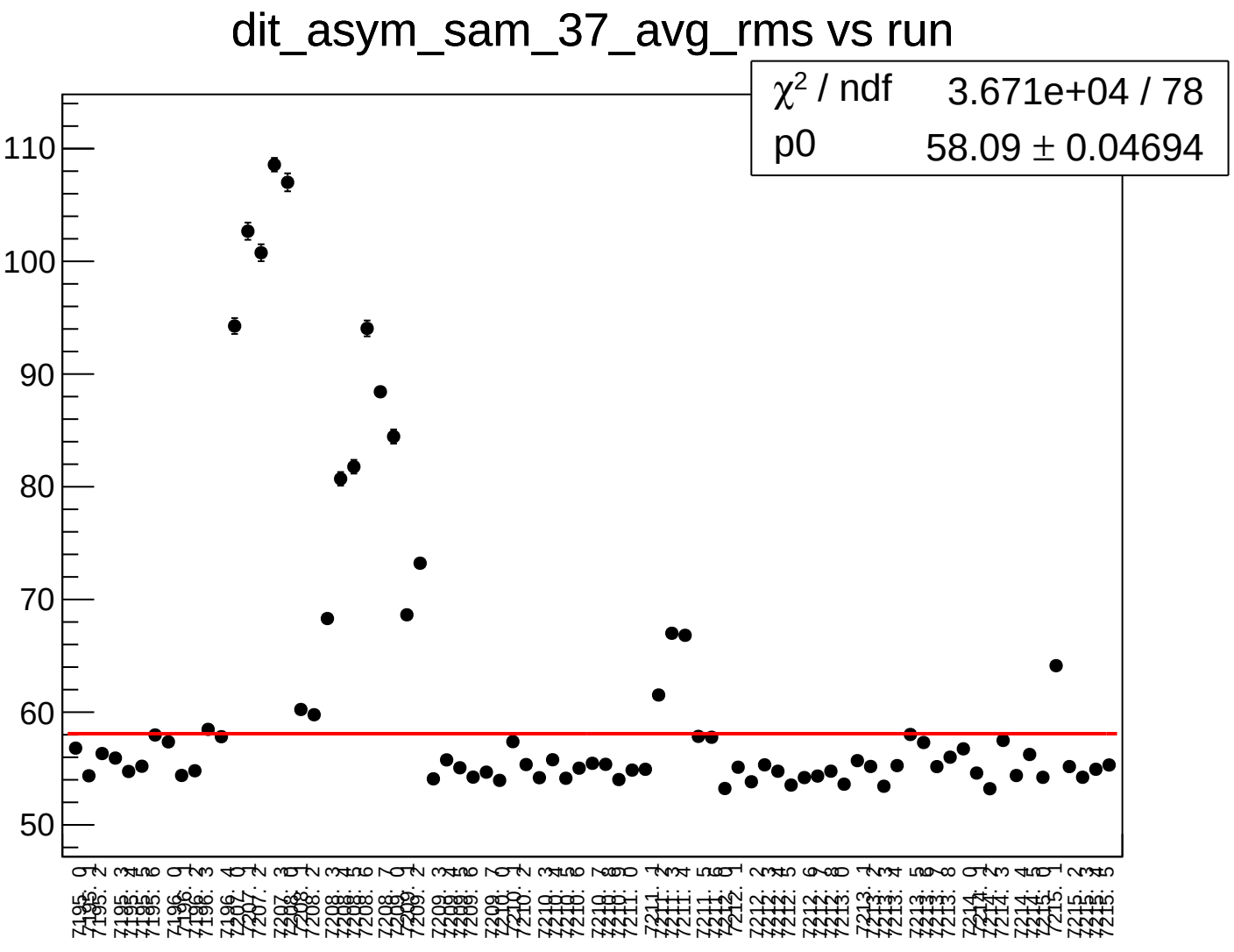

asym_sam_26_avg_mean vs run
χ² / ndf 67.27 / 78
p0 −999.7 ± 440.7
pull
Entries 79
Mean 498.7
Std Dev 455.6

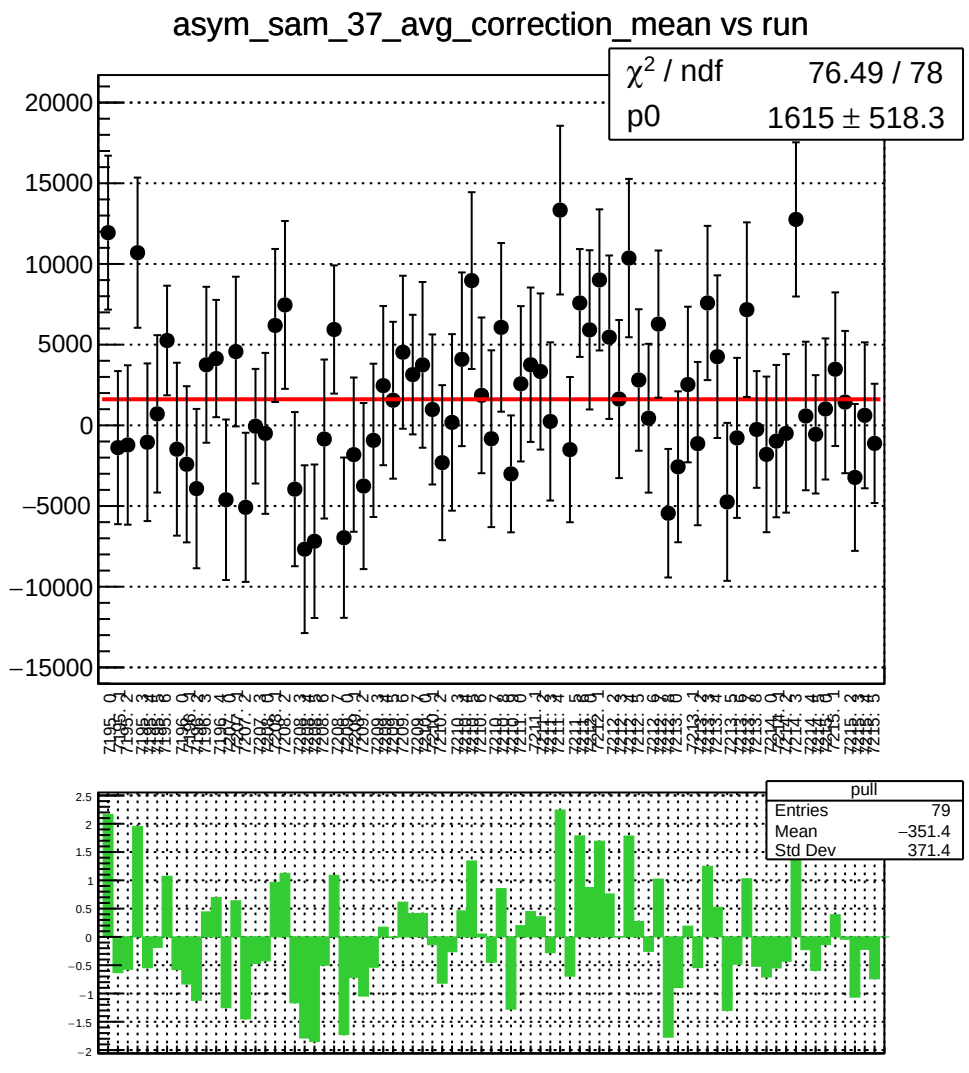

pull1D
Entries 79
Mean 0.003788
Std Dev 0.9228

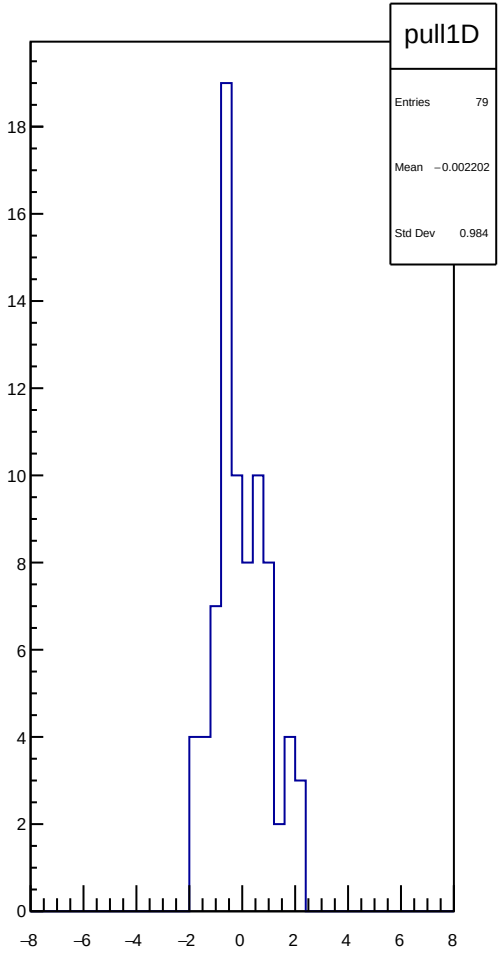

asym_sam_26_avg_rms vs run
χ² / ndf 9605 / 78
p0 389.1 ± 0.3116
500
480
460
440
420
400
380
360
340
320

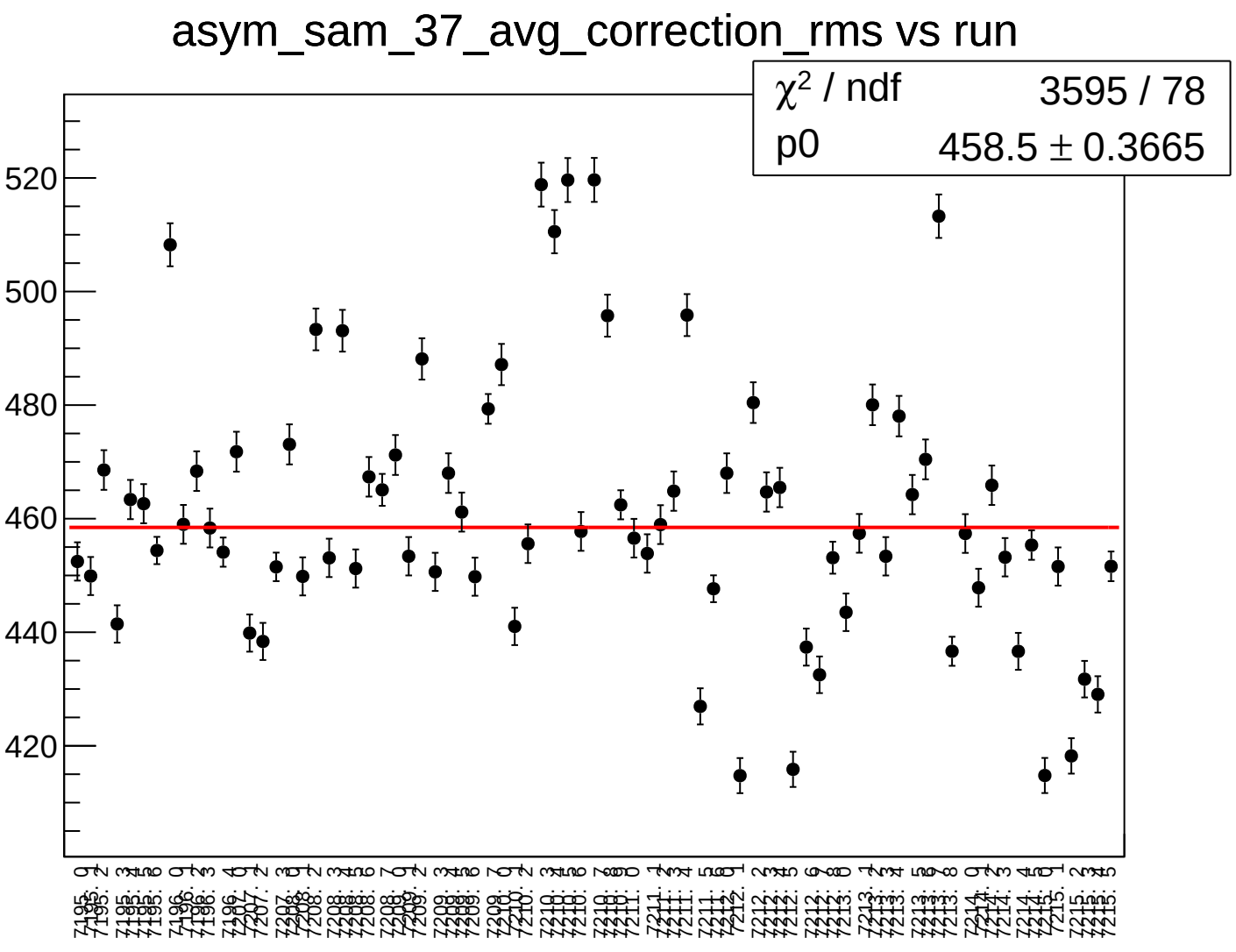

dit_asym_sam_37_avg_mean vs run
χ² / ndf 66.72 / 78
p0 228.8 ± 66.38
pull
Entries 79
Mean −1106
Std Dev 1141

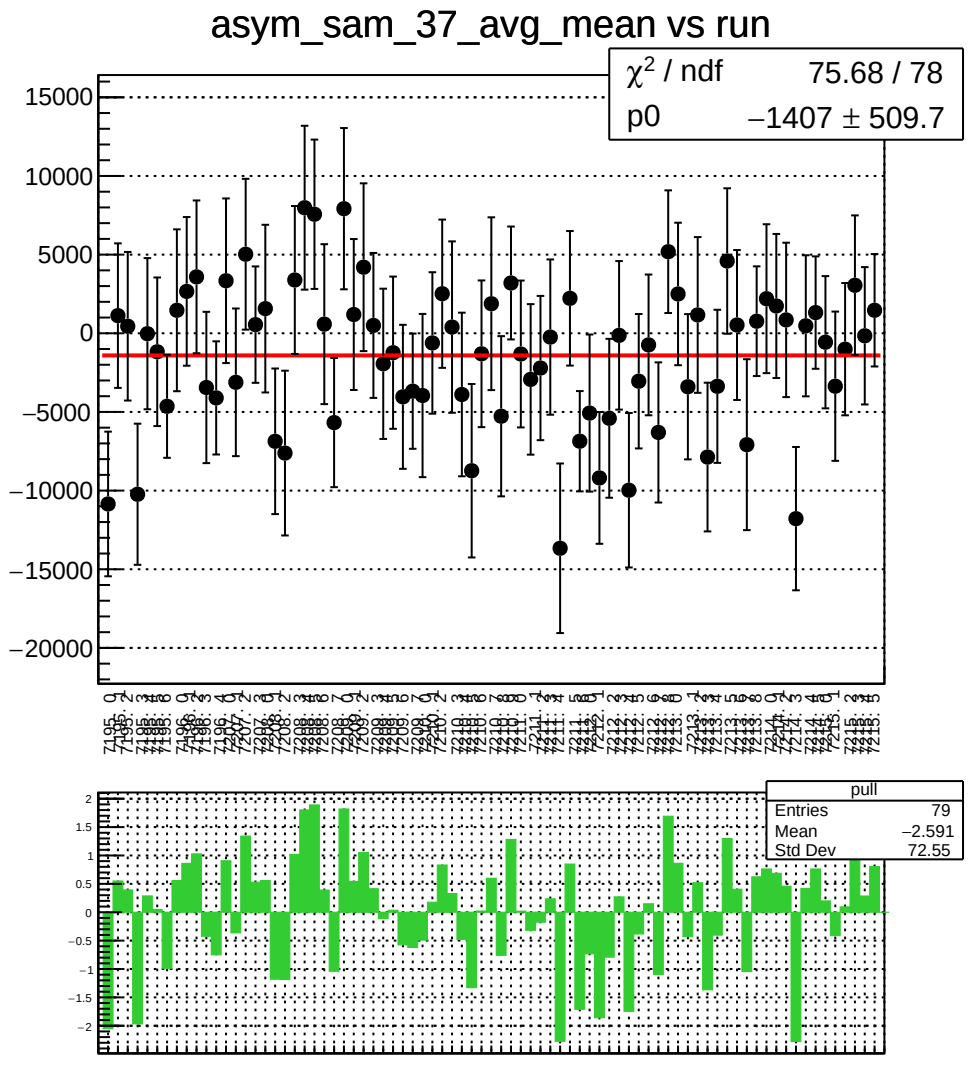

pull1D
Entries 79
Mean −0.003973
Std Dev 0.919

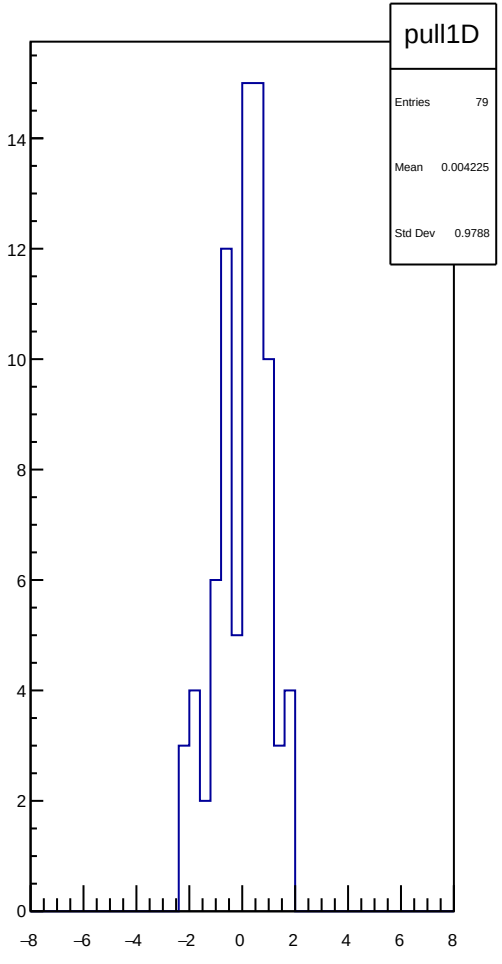

dit_asym_sam_37_avg_rms vs run
χ^2 / ndf 3.671e+04 / 78
p0 58.09 ± 0.04694
110
100
90
80
70
60
50

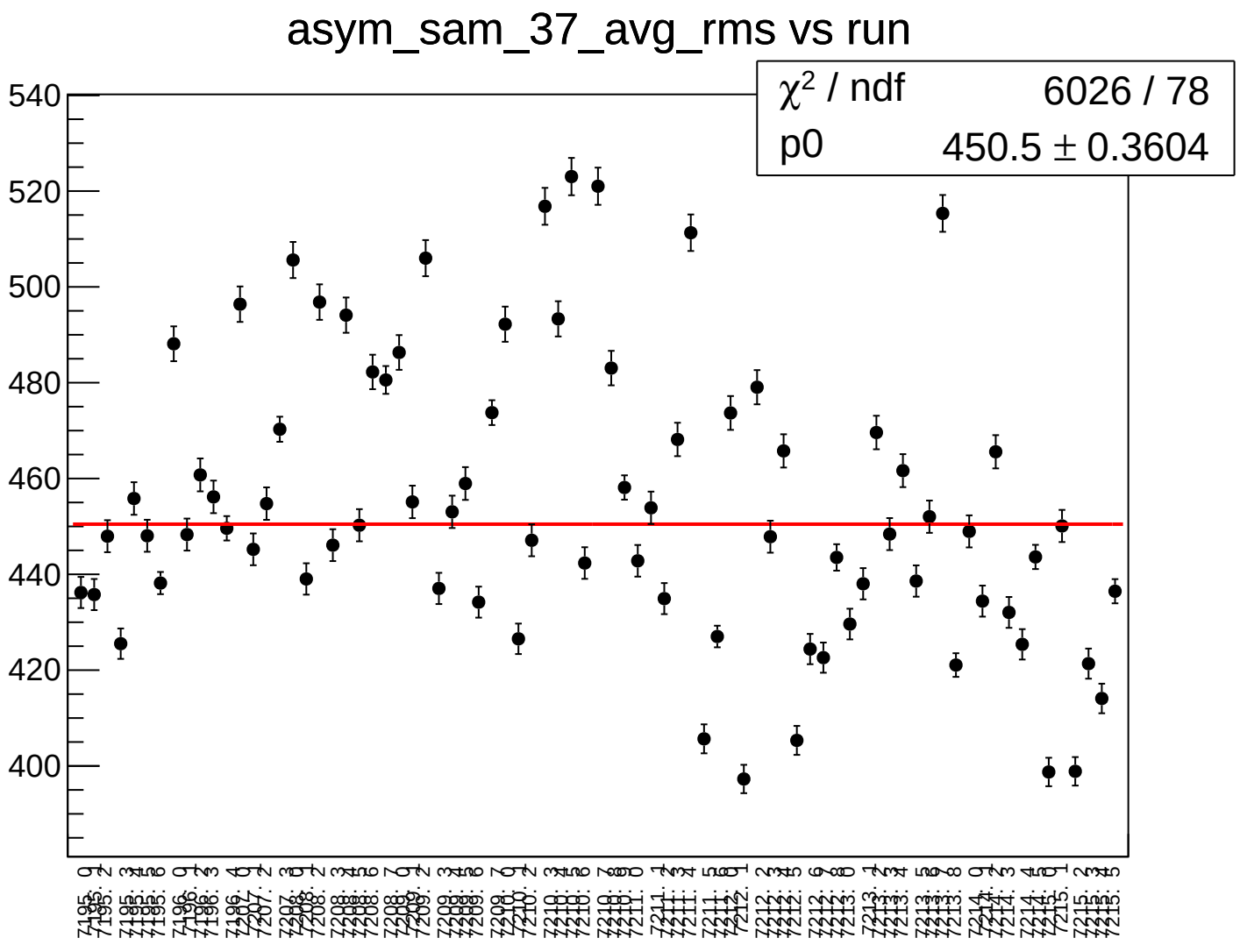

asym_sam_37_avg_correction_mean vs run
χ² / ndf 76.49 / 78
p0 1615 ± 518.3
pull
Entries 79
Mean −351.4
Std Dev 371.4

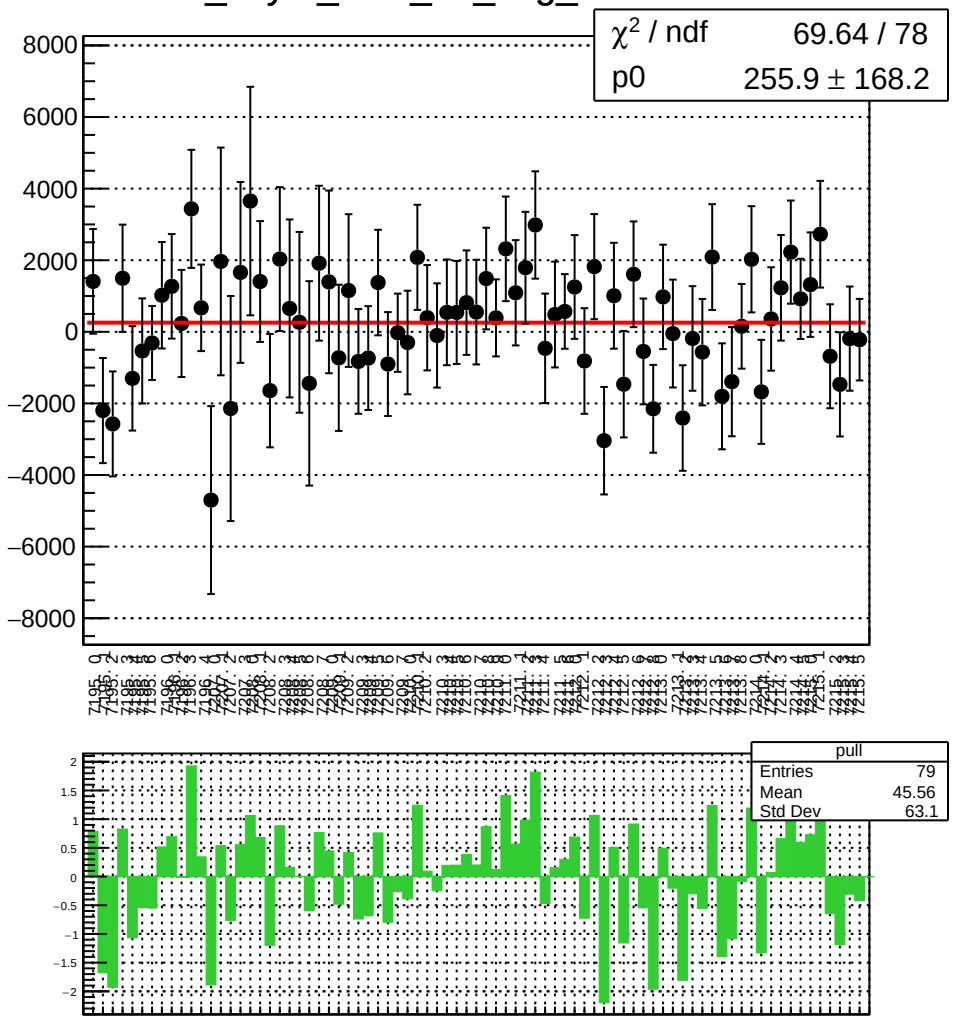

pull1D
Entries 79
Mean −0.002202
Std Dev 0.984

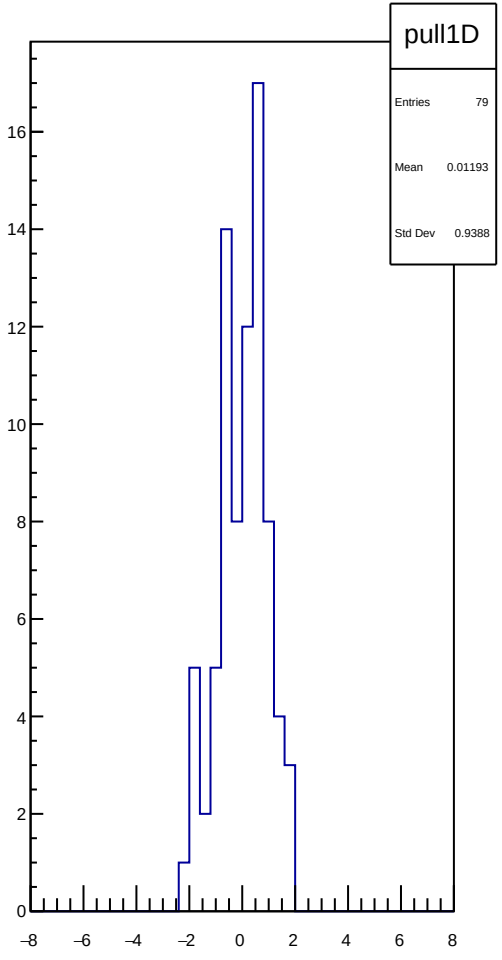

asym_sam_37_avg_correction_rms vs run
χ² / ndf 3595 / 78
p0 458.5 ± 0.3665
520
500
480
460
440
420

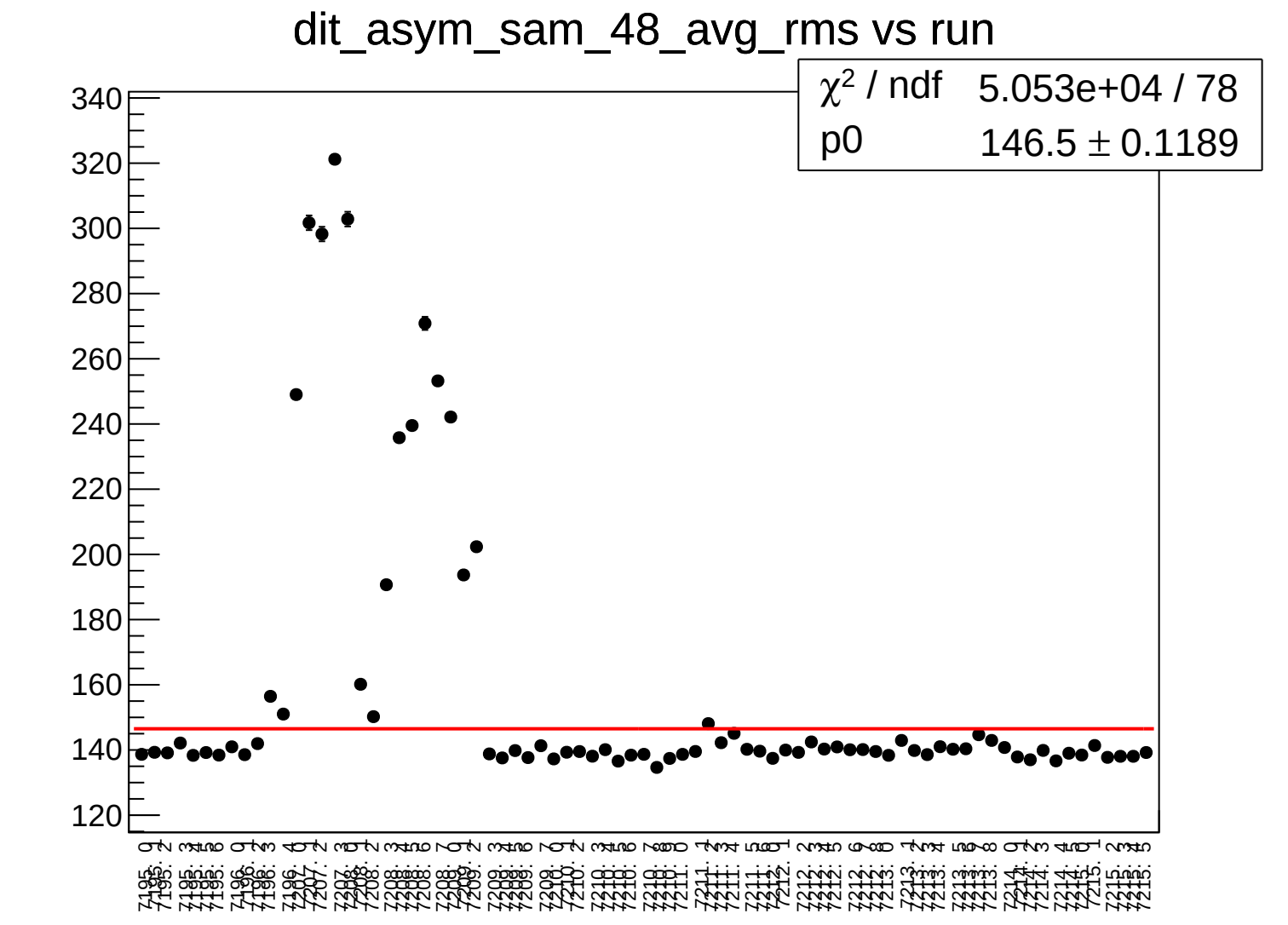

asym_sam_37_avg_mean vs run
χ² / ndf 75.68 / 78
p0 −1407 ± 509.7
pull
Entries 79
Mean −2.591
Std Dev 72.55

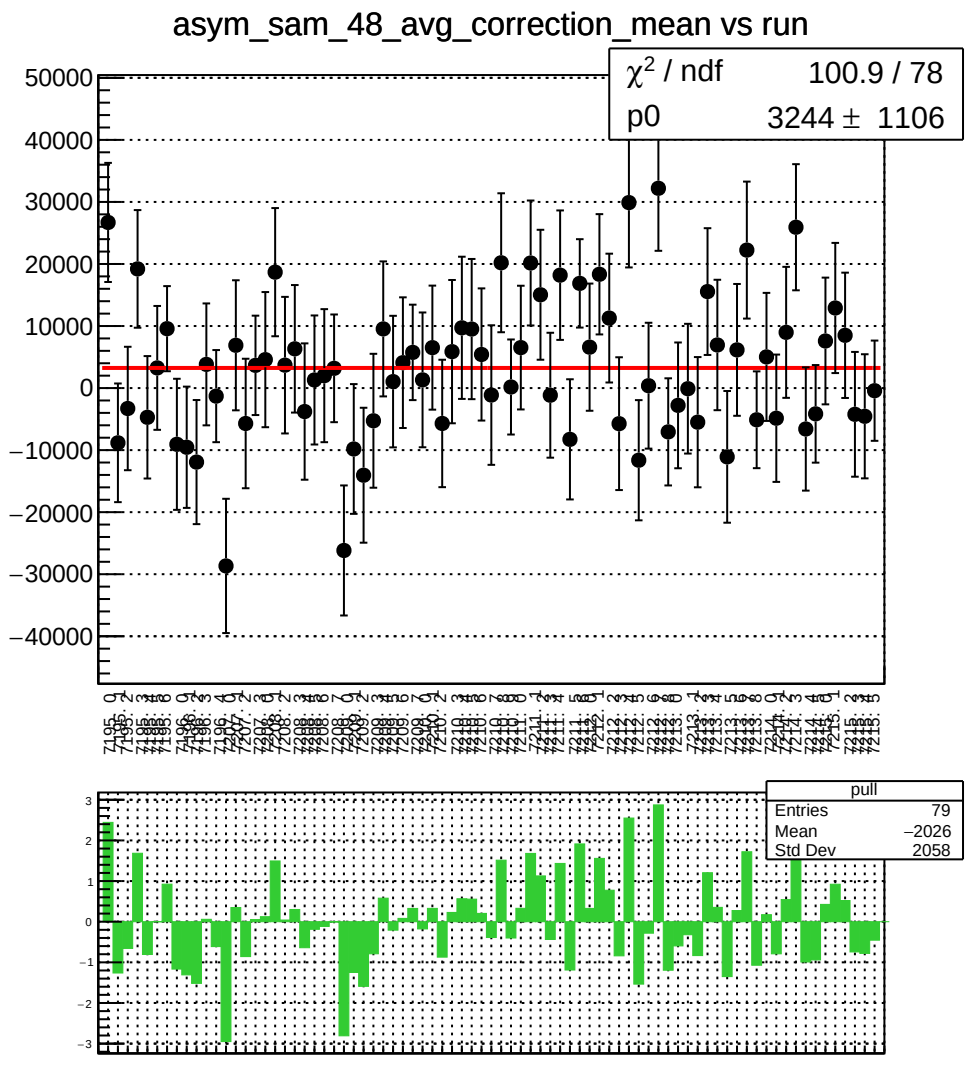

pull1D
Entries 79
Mean 0.004225
Std Dev 0.9788

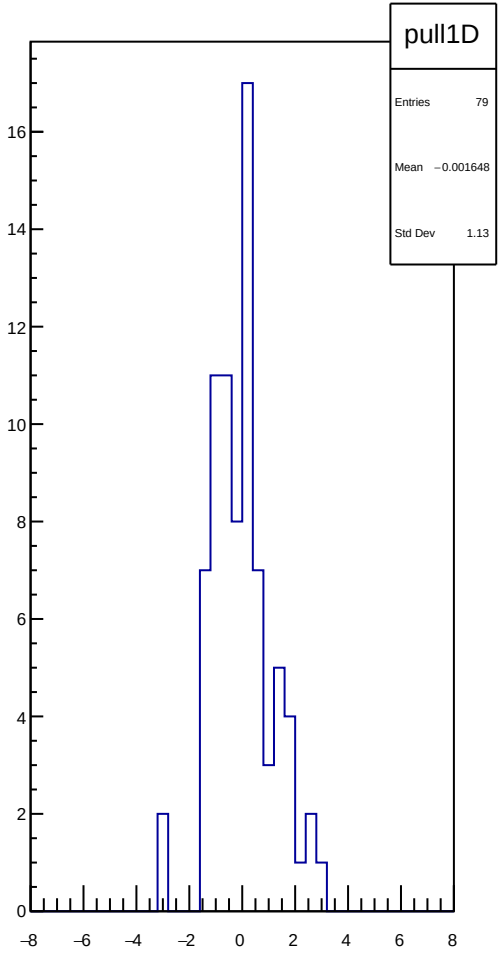

asym_sam_37_avg_rms vs run
χ^2 / ndf 6026 / 78
p0 450.5 ± 0.3604
540
520
500
480
460
440
420
400

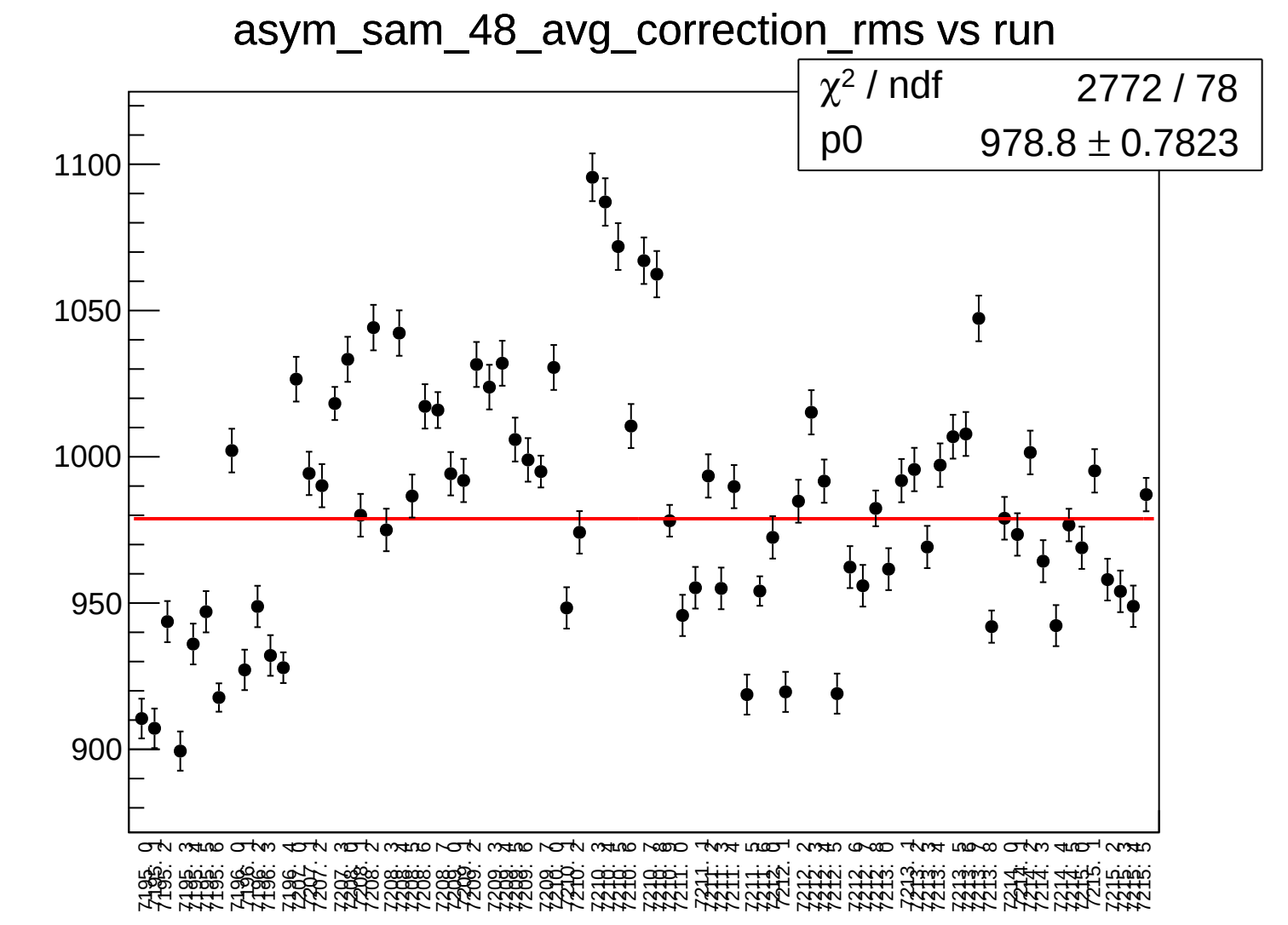

dit_asym_sam_48_avg_mean vs run
χ² / ndf 69.64 / 78
p0 255.9 ± 168.2
pull
Entries 79
Mean 45.56
Std Dev 63.1

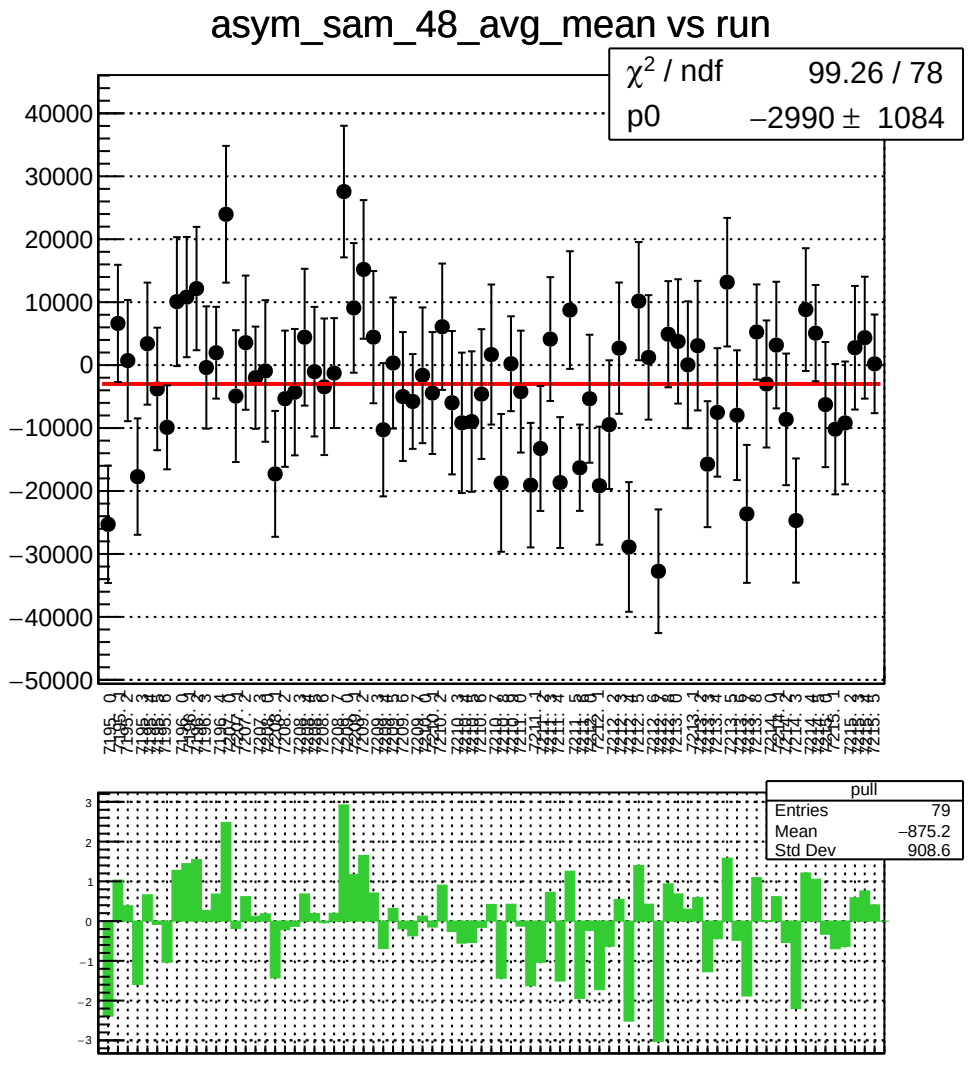

pull1D
Entries 79
Mean 0.01193
Std Dev 0.9388

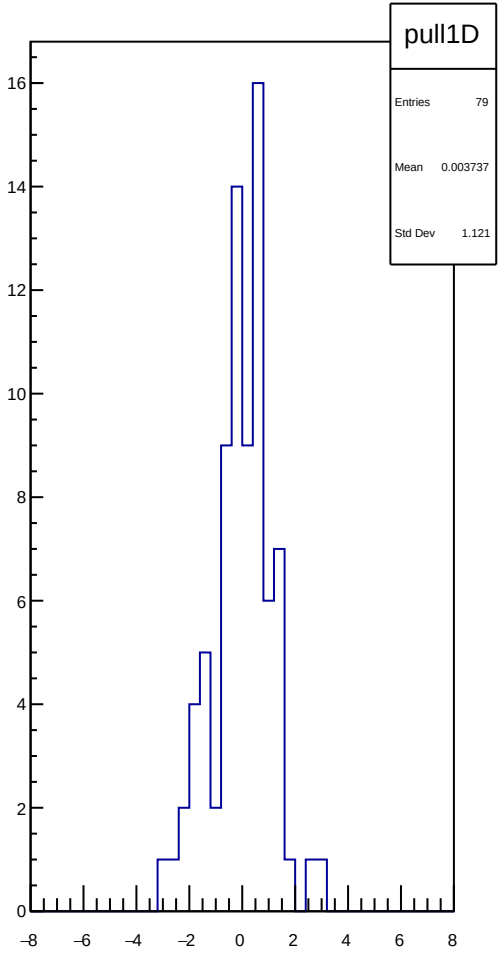

dit_asym_sam_48_avg_rms vs run
χ^2 / ndf 5.053e+04 / 78
p0 146.5 ± 0.1189
340
320
300
280
260
240
220
200
180
160
140
120

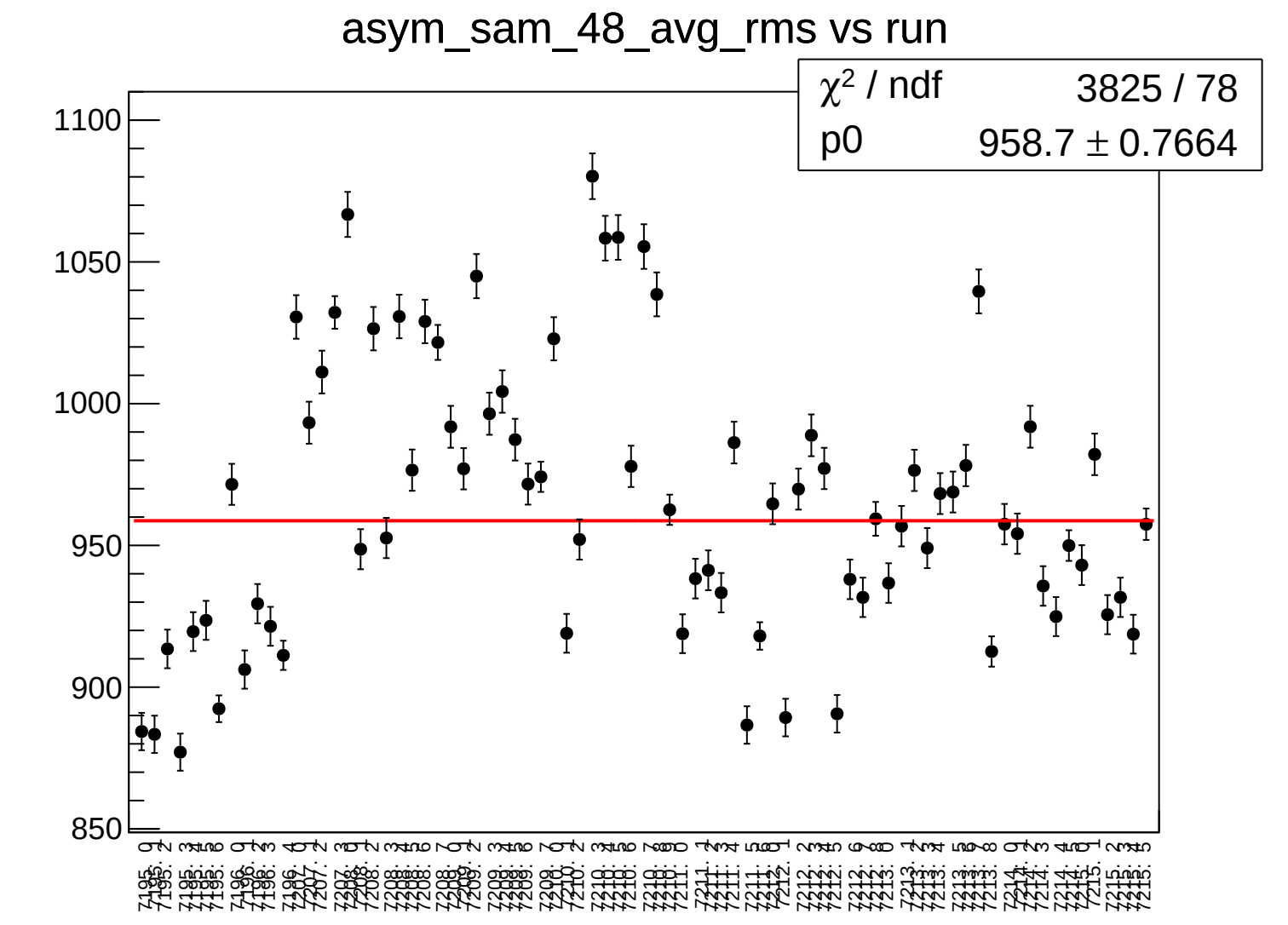

asym_sam_48_avg_correction_mean vs run
χ² / ndf 100.9 / 78
p0 3244 ± 1106
pull
Entries 79
Mean −2026
Std Dev 2058

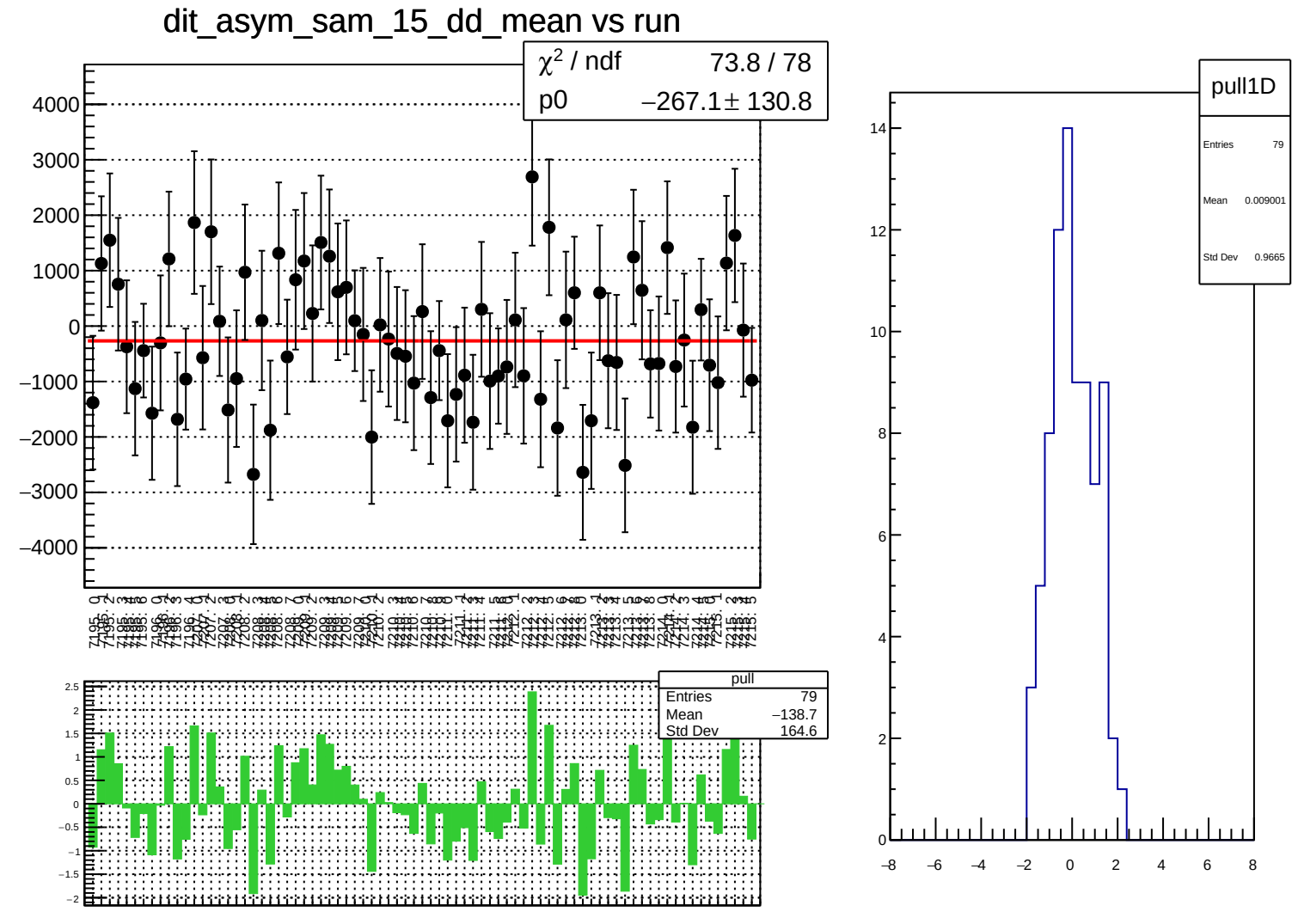

pull1D
Entries 79
Mean −0.001648
Std Dev 1.13

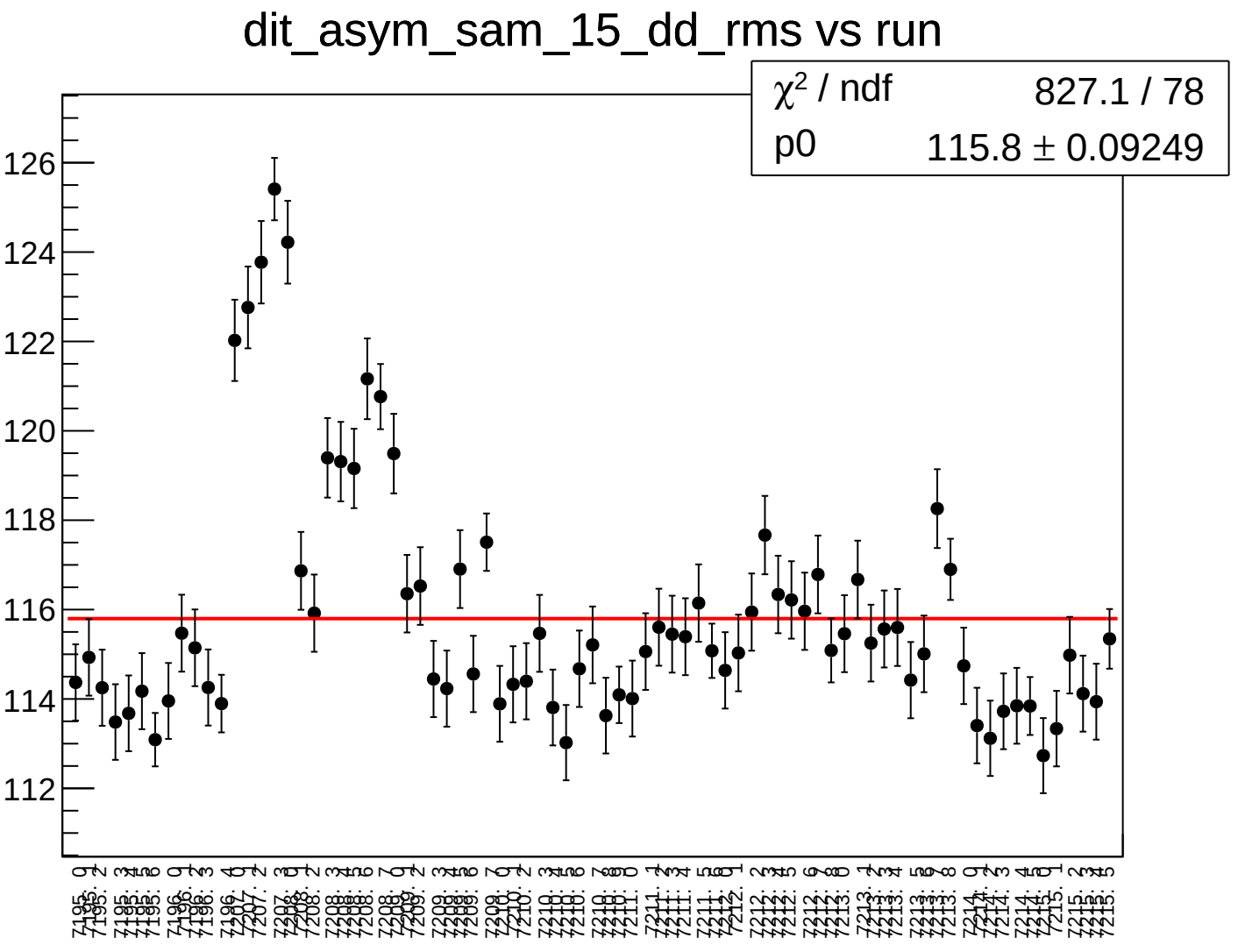

asym_sam_48_avg_correction_rms vs run
χ² / ndf 2772 / 78
p0 978.8 ± 0.7823
1100
1050
1000
950
900

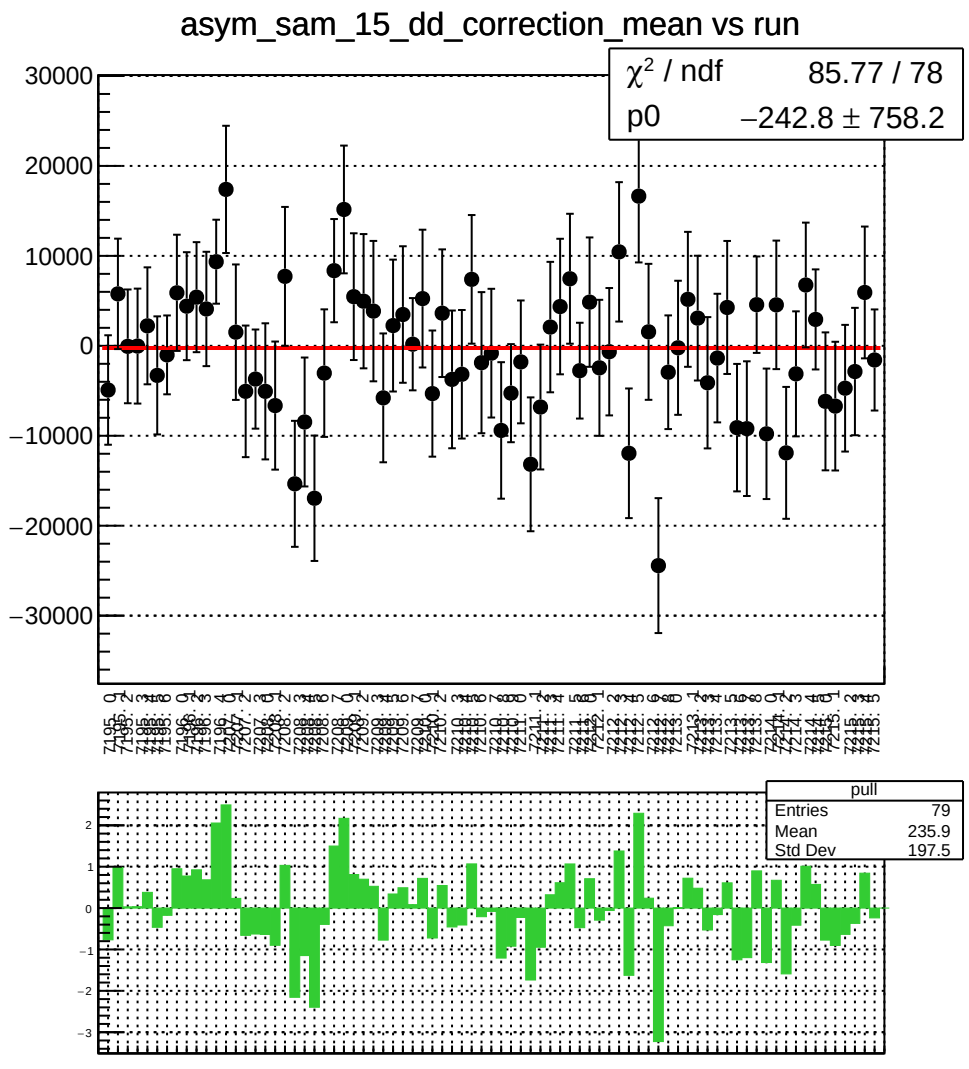

asym_sam_48_avg_mean vs run
χ² / ndf 99.26 / 78
p0 −2990 ± 1084
pull
Entries 79
Mean −875.2
Std Dev 908.6

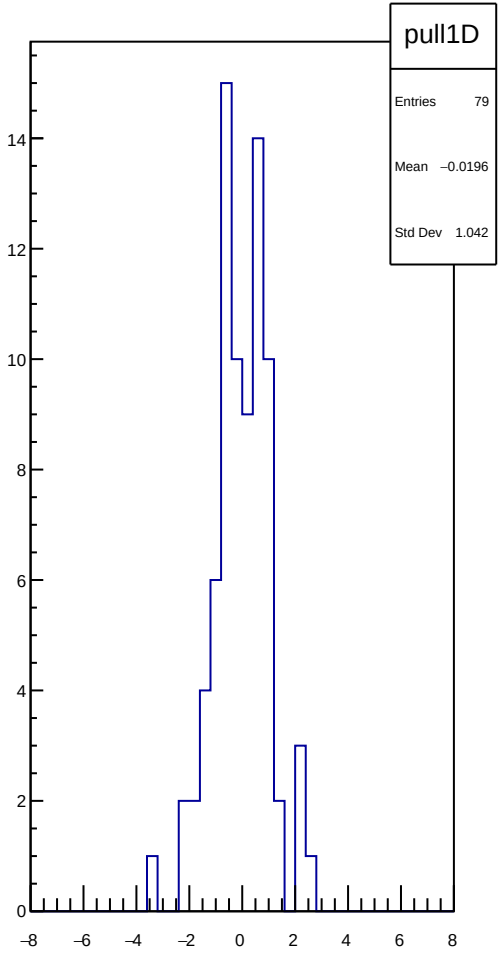

pull1D
Entries 79
Mean 0.003737
Std Dev 1.121

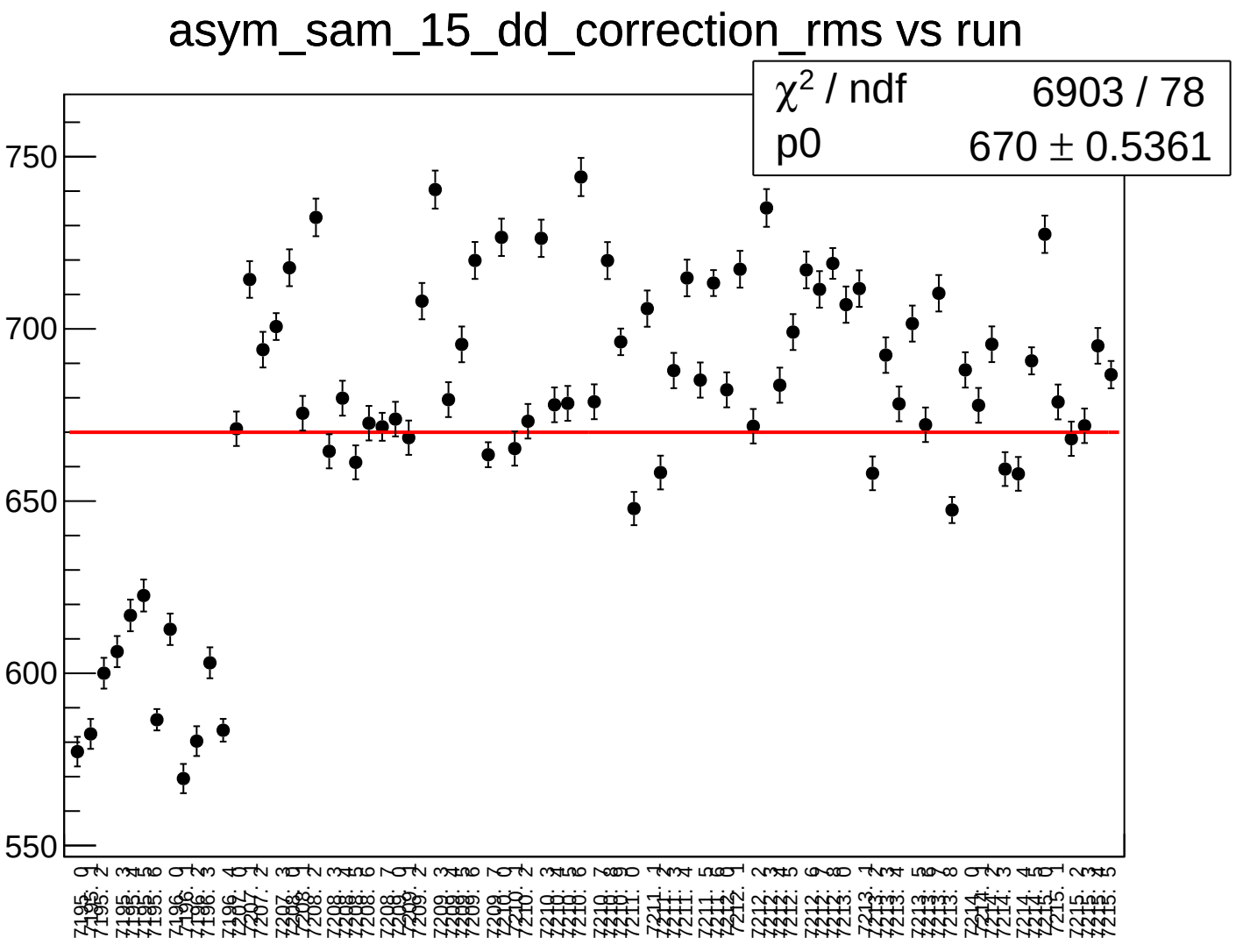

asym_sam_48_avg_rms vs run
χ² / ndf 3825 / 78
p0 958.7 ± 0.7664
1100
1050
1000
950
900
850

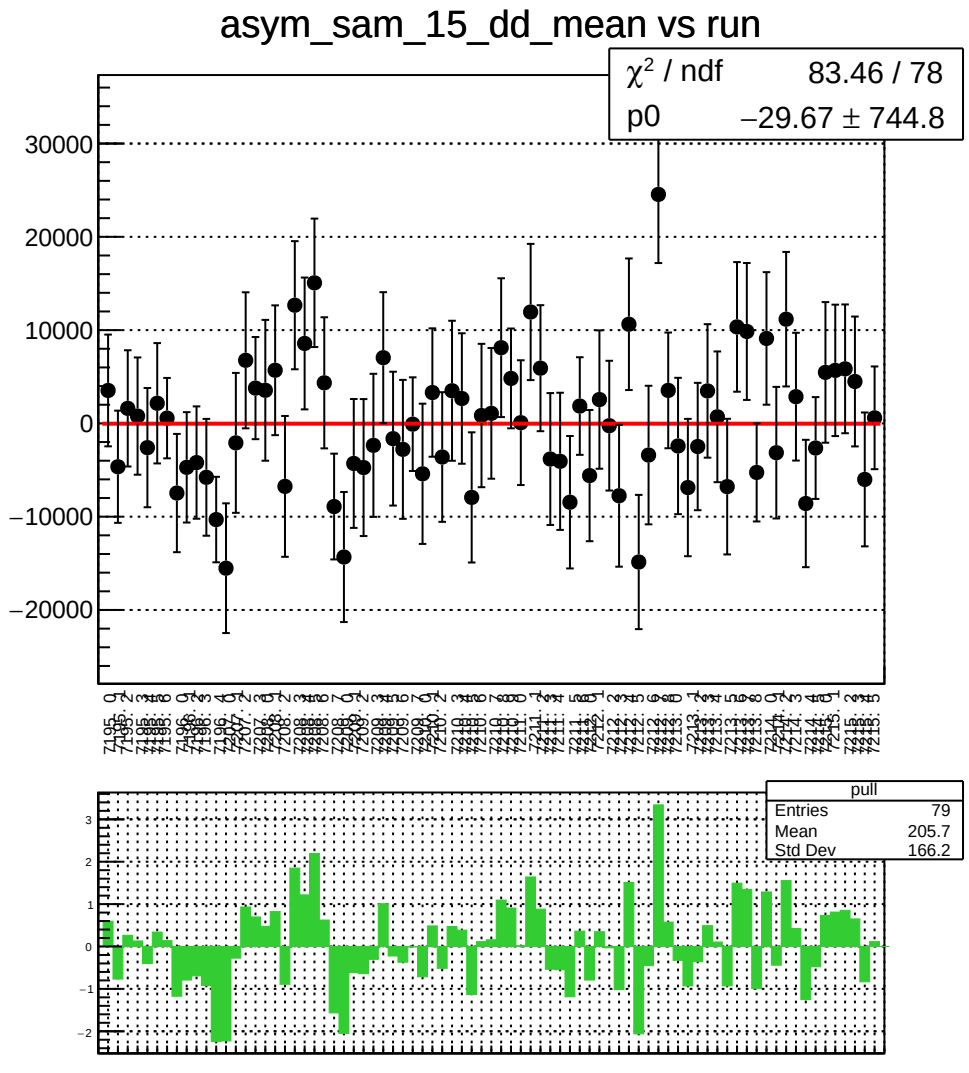

dit_asym_sam_15_dd_mean vs run
χ² / ndf 73.8 / 78
p0 −267.1± 130.8
pull
Entries 79
Mean −138.7
Std Dev 164.6
pull1D
Entries 79
Mean 0.009001
Std Dev 0.9665

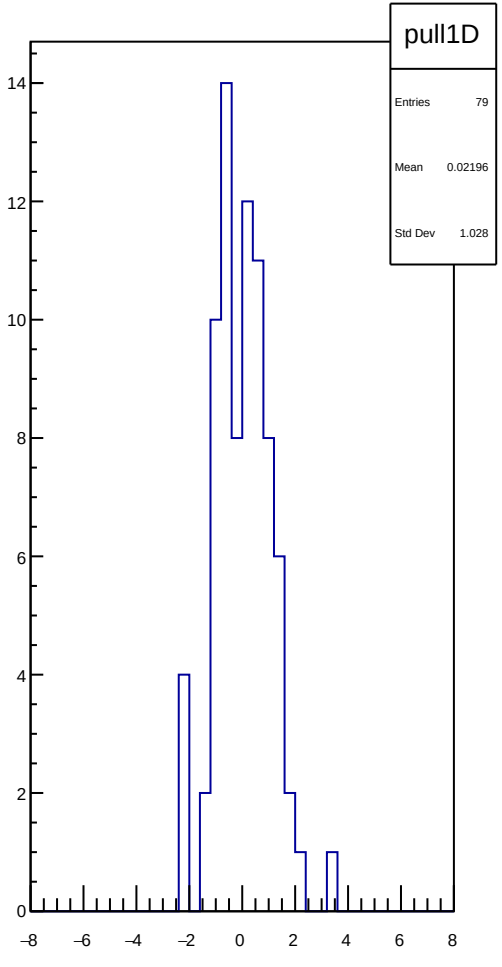

dit_asym_sam_15_dd_rms vs run
χ^2 / ndf 827.1 / 78
p0 115.8 ± 0.09249
126
124
122
120
118
116
114
112

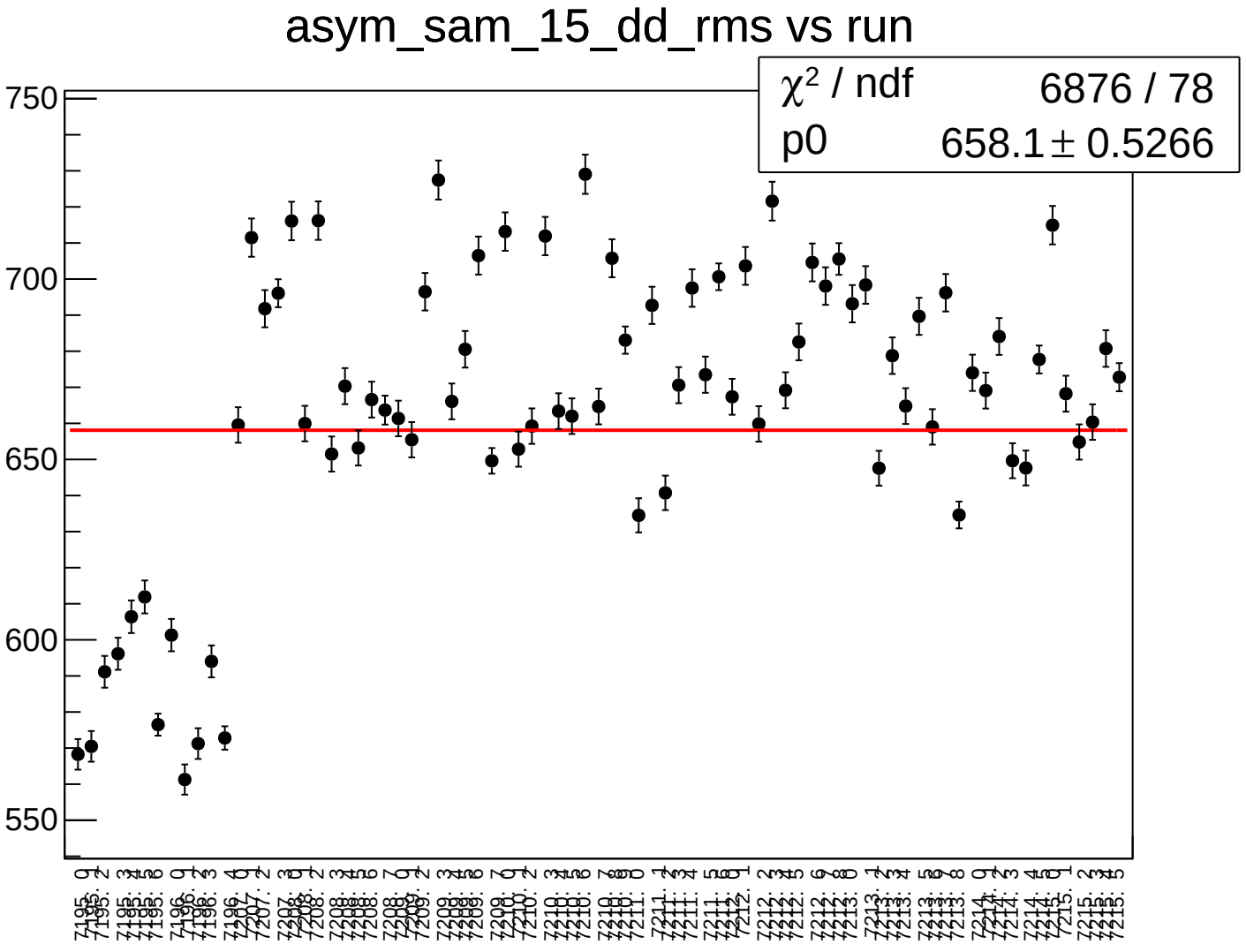

asym_sam_15_dd_correction_mean vs run
χ² / ndf 85.77 / 78
p0 −242.8 ± 758.2
pull
Entries 79
Mean 235.9
Std Dev 197.5

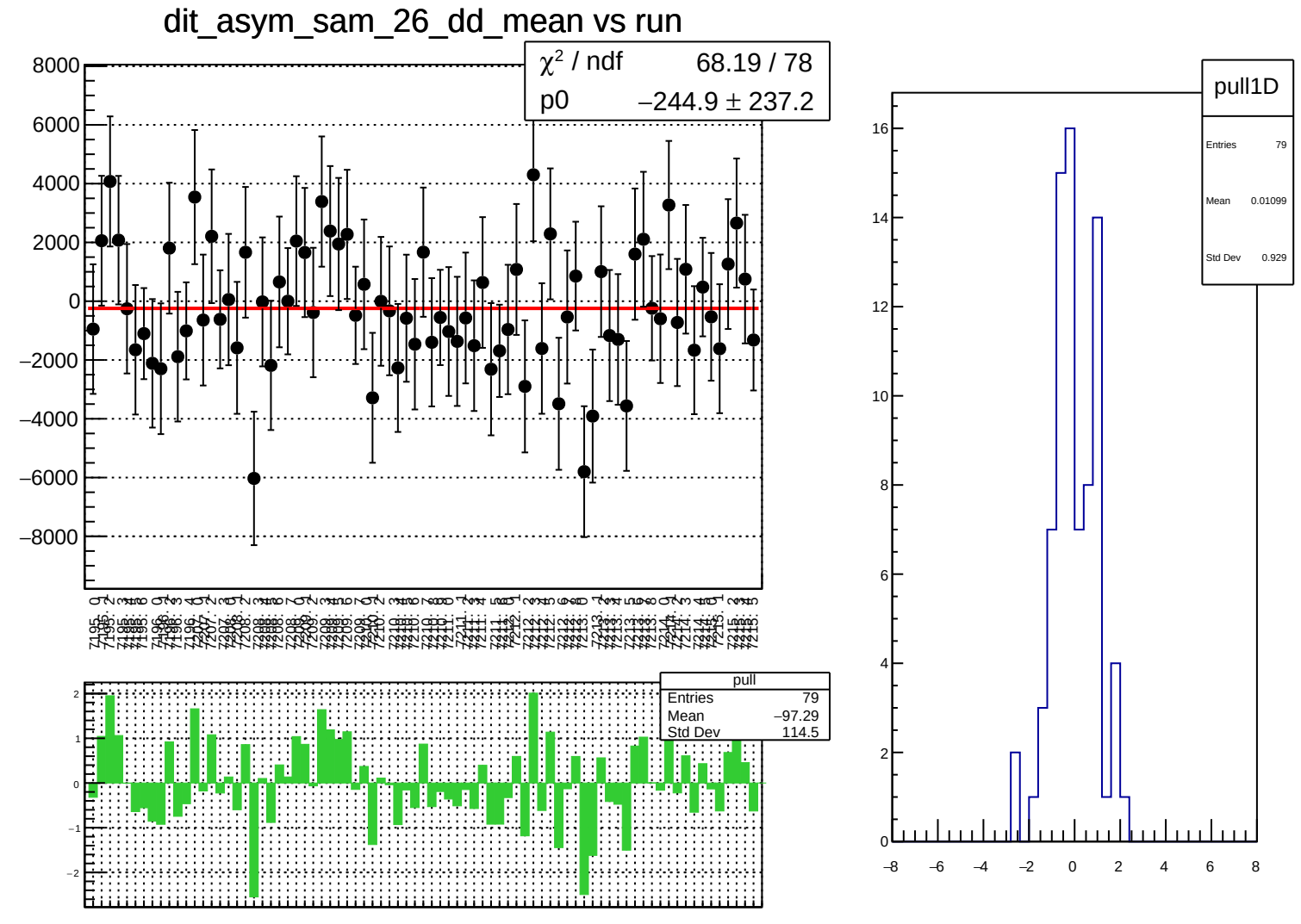

pull1D
Entries 79
Mean −0.0196
Std Dev 1.042

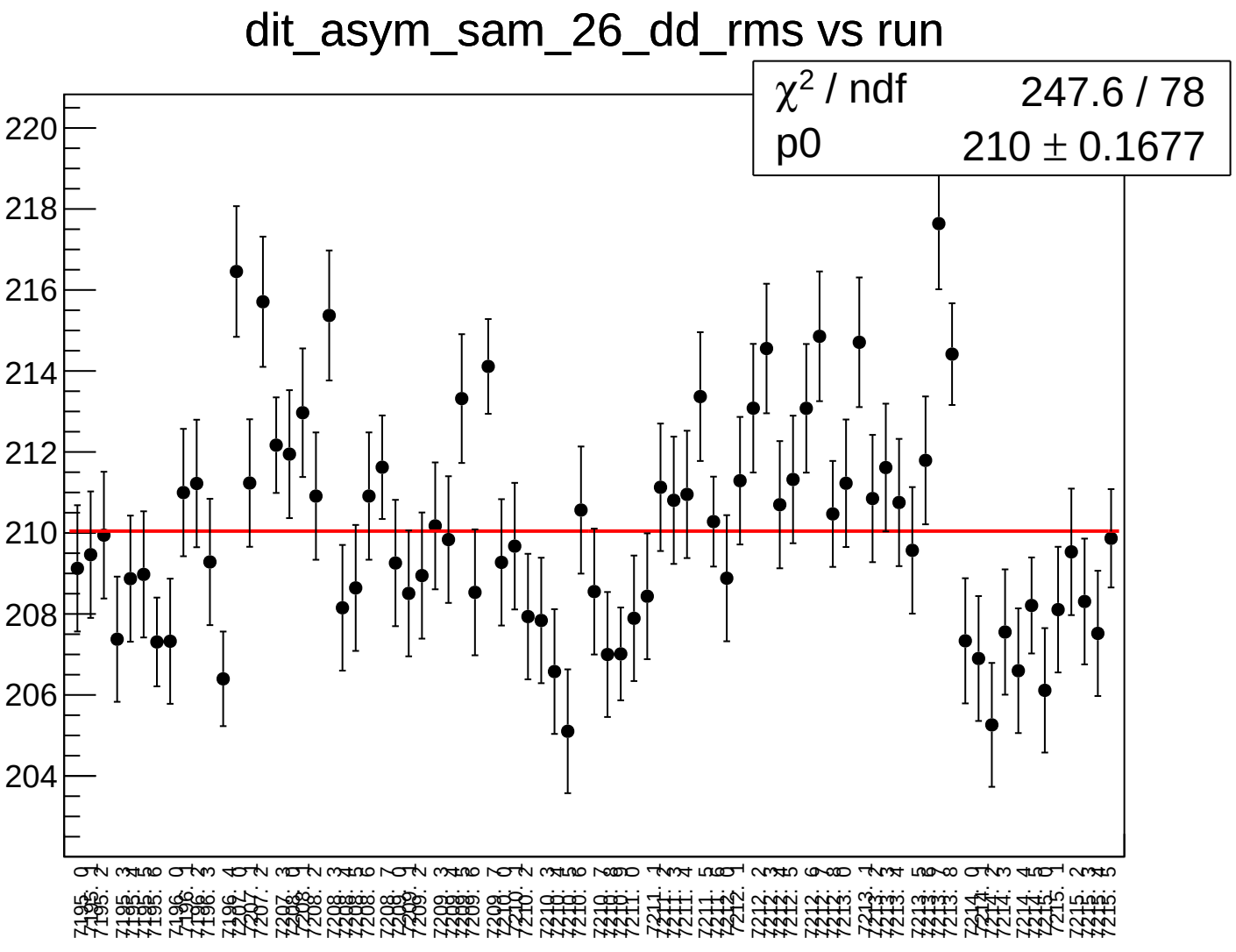

asym_sam_15_dd_correction_rms vs run
χ² / ndf 6903 / 78
p0 670 ± 0.5361
750
700
650
600
550

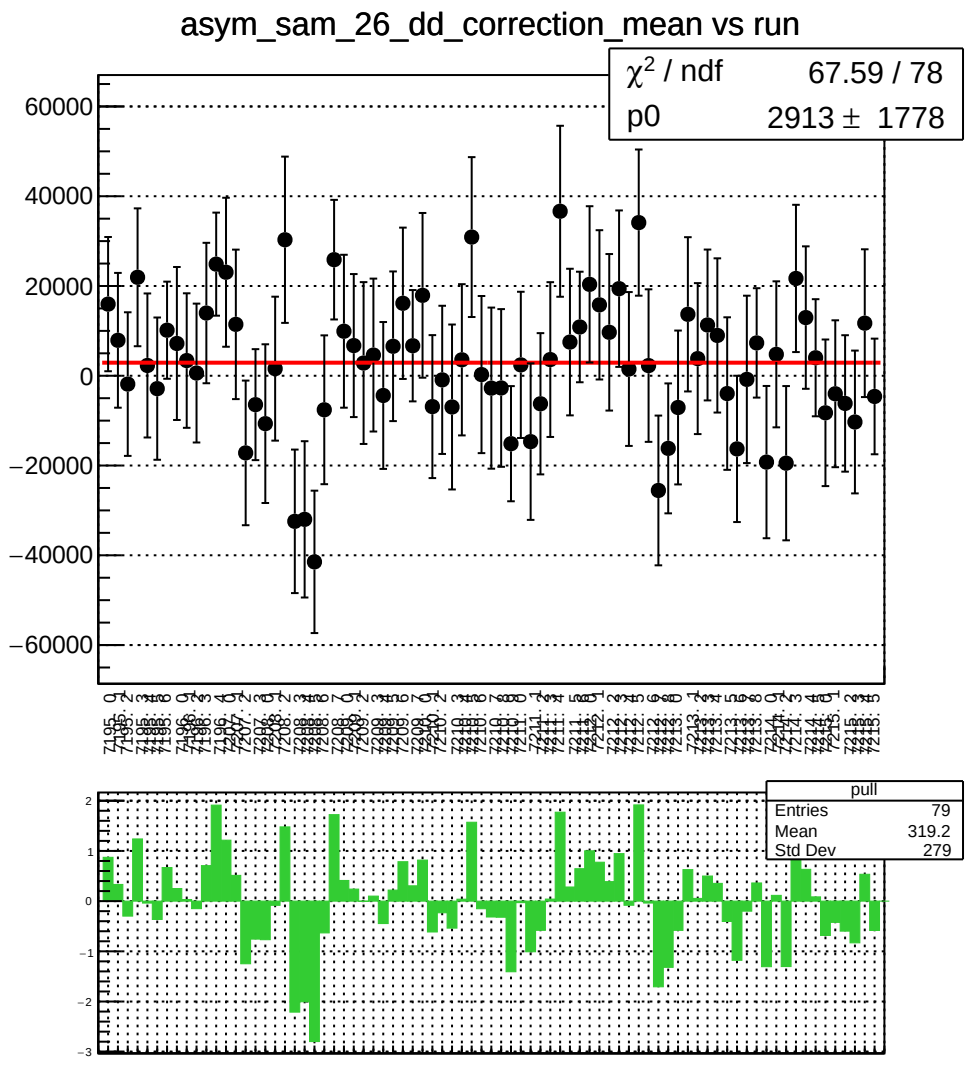

asym_sam_15_dd_mean vs run
χ² / ndf 83.46 / 78
p0 −29.67 ± 744.8
30000
20000
10000
0
−10000
−20000
pull
Entries 79
Mean 205.7
Std Dev 166.2
3
2
1
0
−1
−2

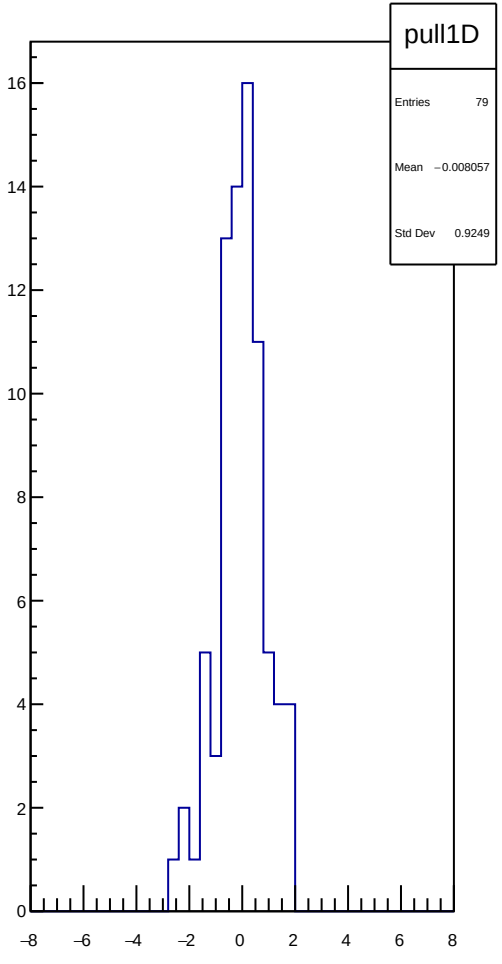

pull1D
Entries 79
Mean 0.02196
Std Dev 1.028
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

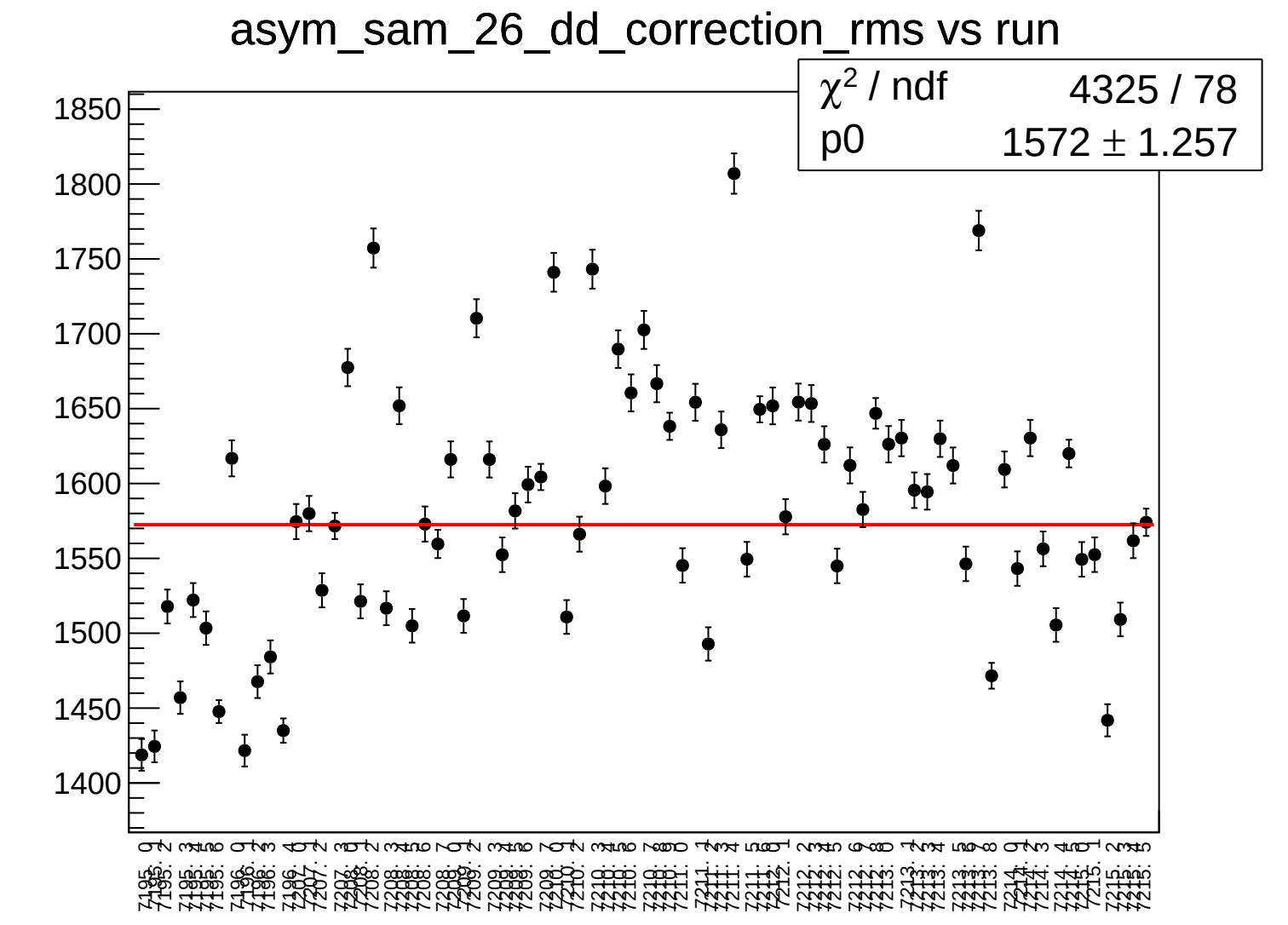

asym_sam_15_dd_rms vs run
χ² / ndf 6876 / 78
p0 658.1 ± 0.5266
750
700
650
600
550

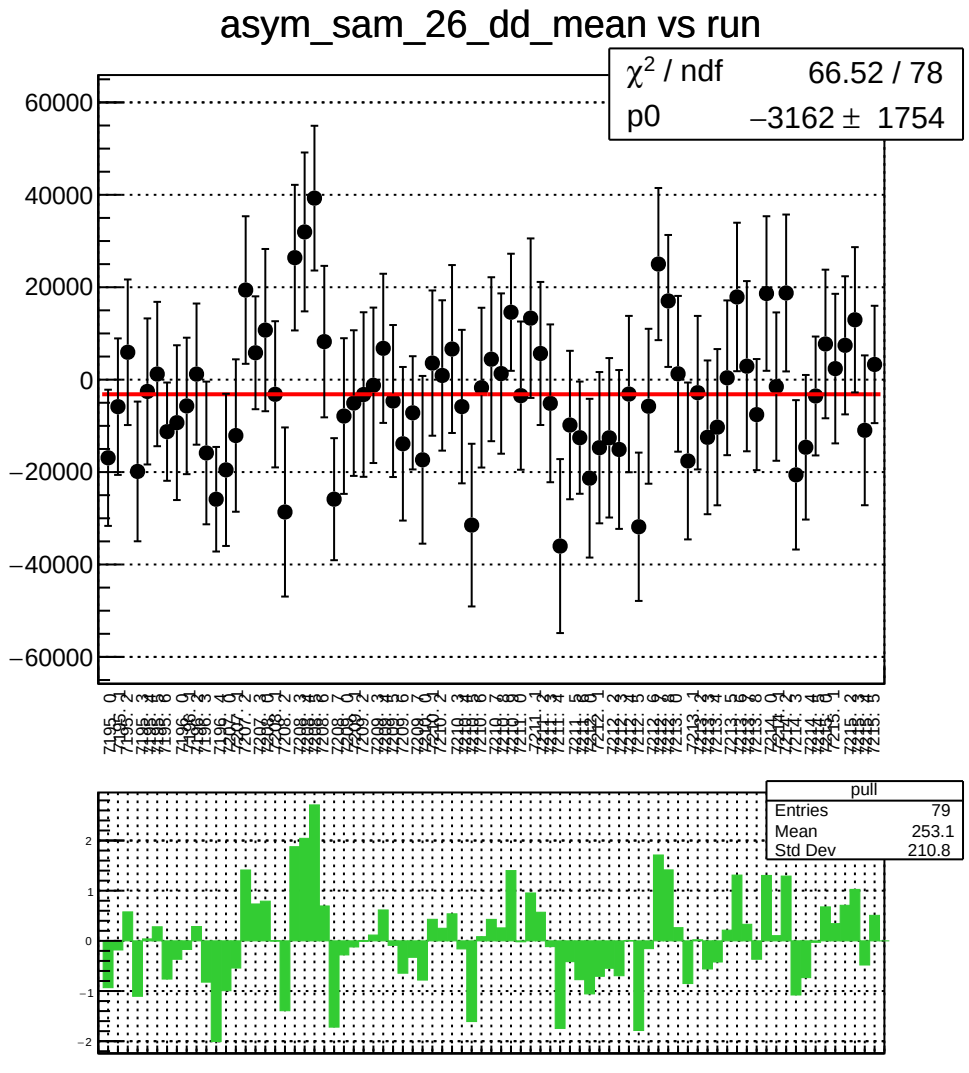

dit_asym_sam_26_dd_mean vs run
χ² / ndf 68.19 / 78
p0 −244.9 ± 237.2
pull
Entries 79
Mean −97.29
Std Dev 114.5
pull1D
Entries 79
Mean 0.01099
Std Dev 0.929

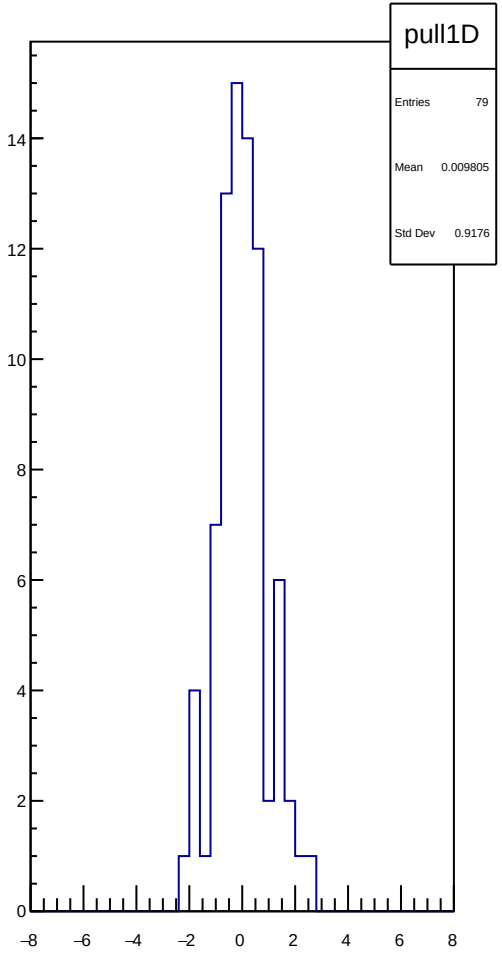

dit_asym_sam_26_dd_rms vs run
χ^2 / ndf 247.6 / 78
p0 210 ± 0.1677
220
218
216
214
212
210
208
206
204

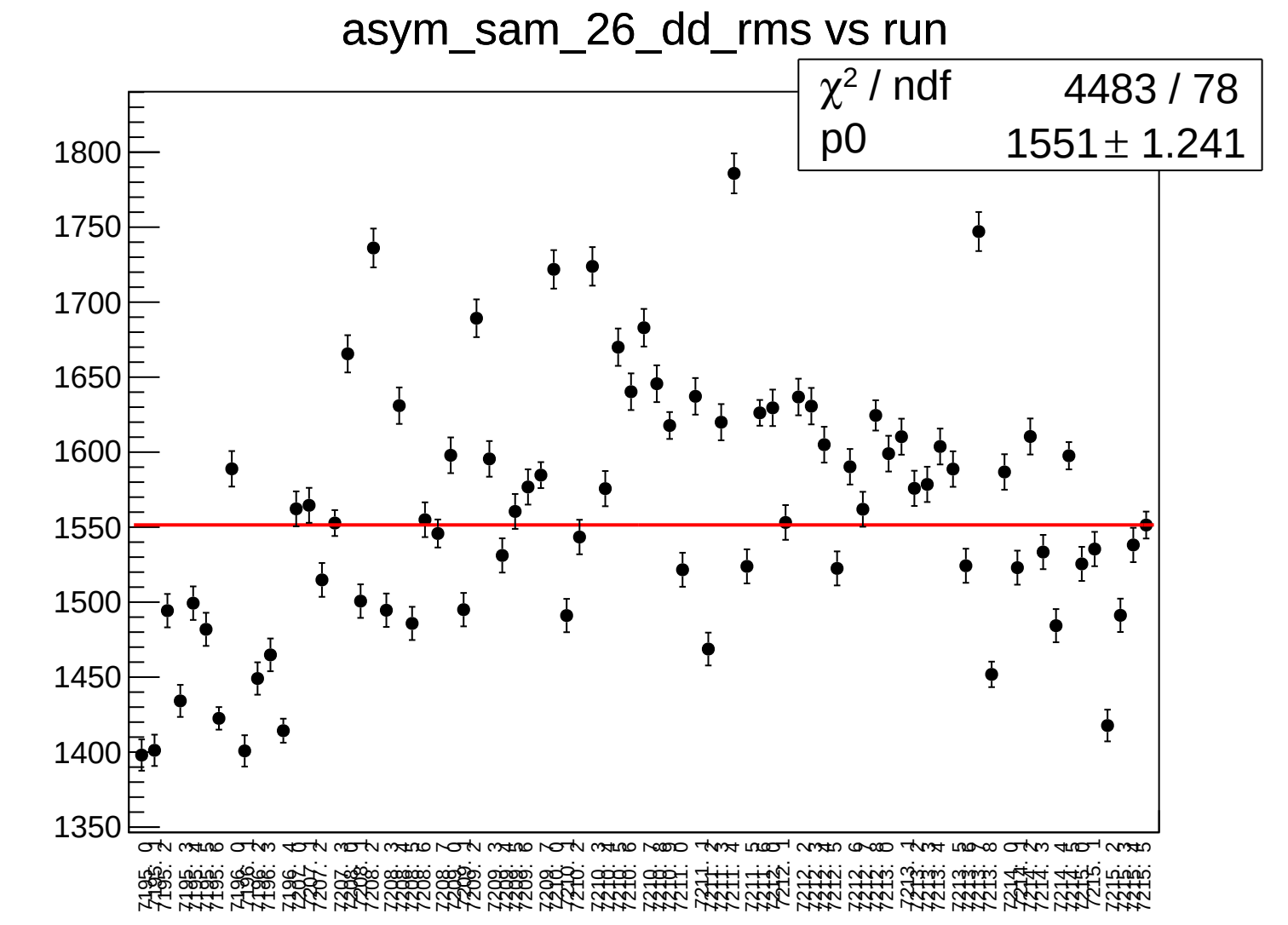

asym_sam_26_dd_correction_mean vs run
χ² / ndf 67.59 / 78
p0 2913 ± 1778
pull
Entries 79
Mean 319.2
Std Dev 279

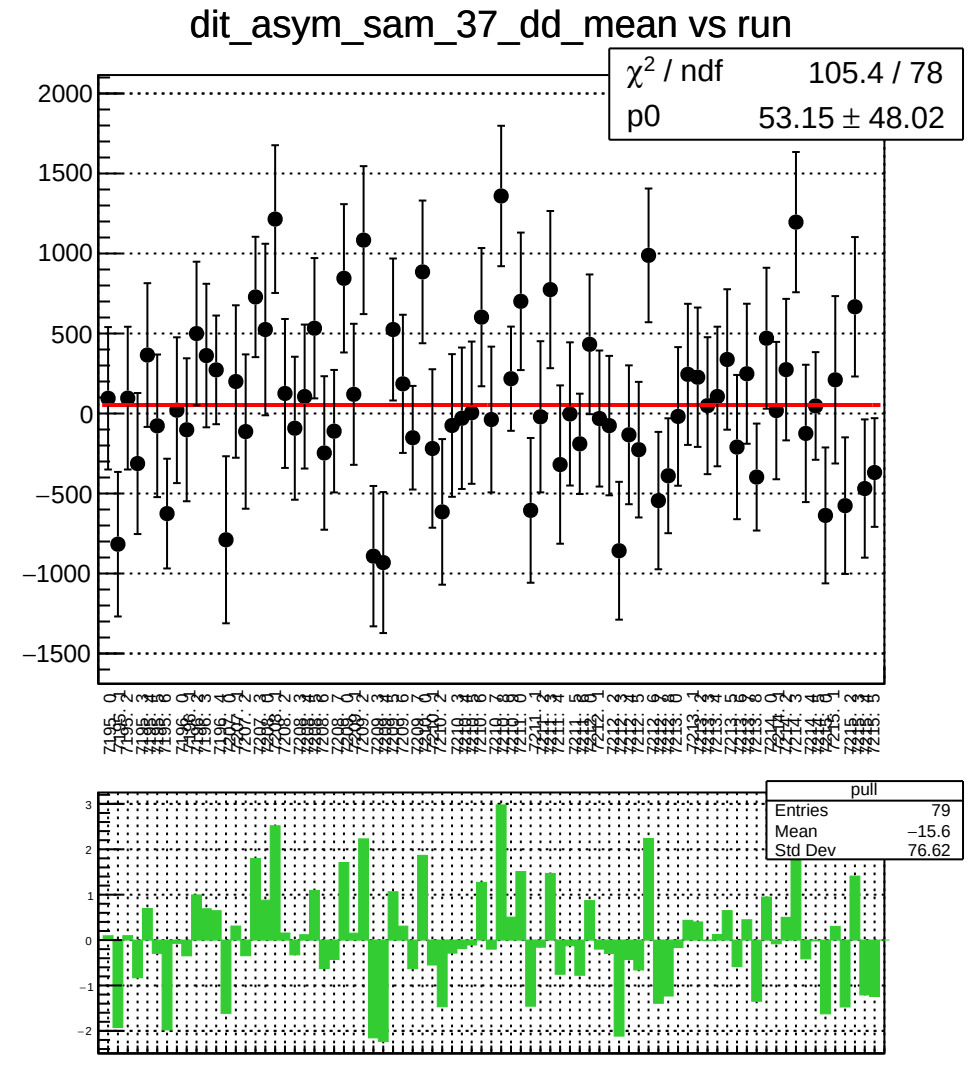

pull1D
Entries 79
Mean −0.008057
Std Dev 0.9249

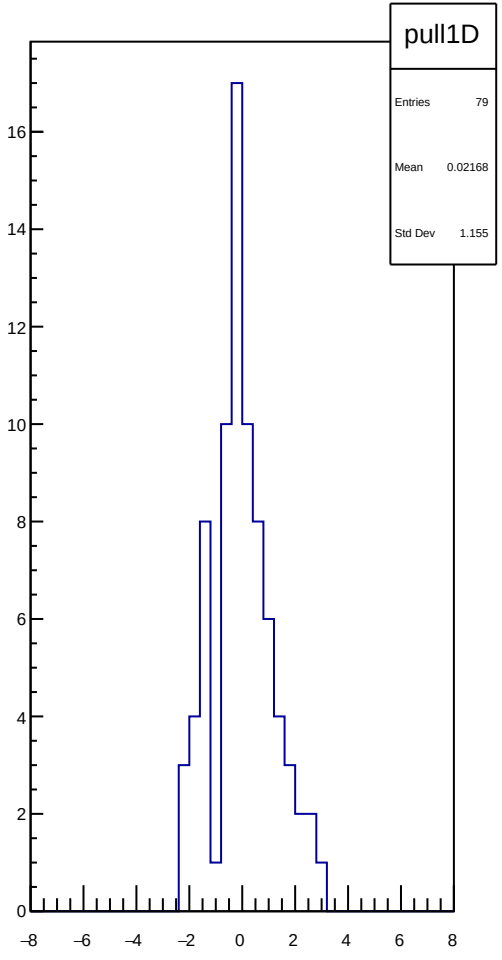

asym_sam_26_dd_correction_rms vs run
χ² / ndf 4325 / 78
p0 1572 ± 1.257
1850
1800
1750
1700
1650
1600
1550
1500
1450
1400

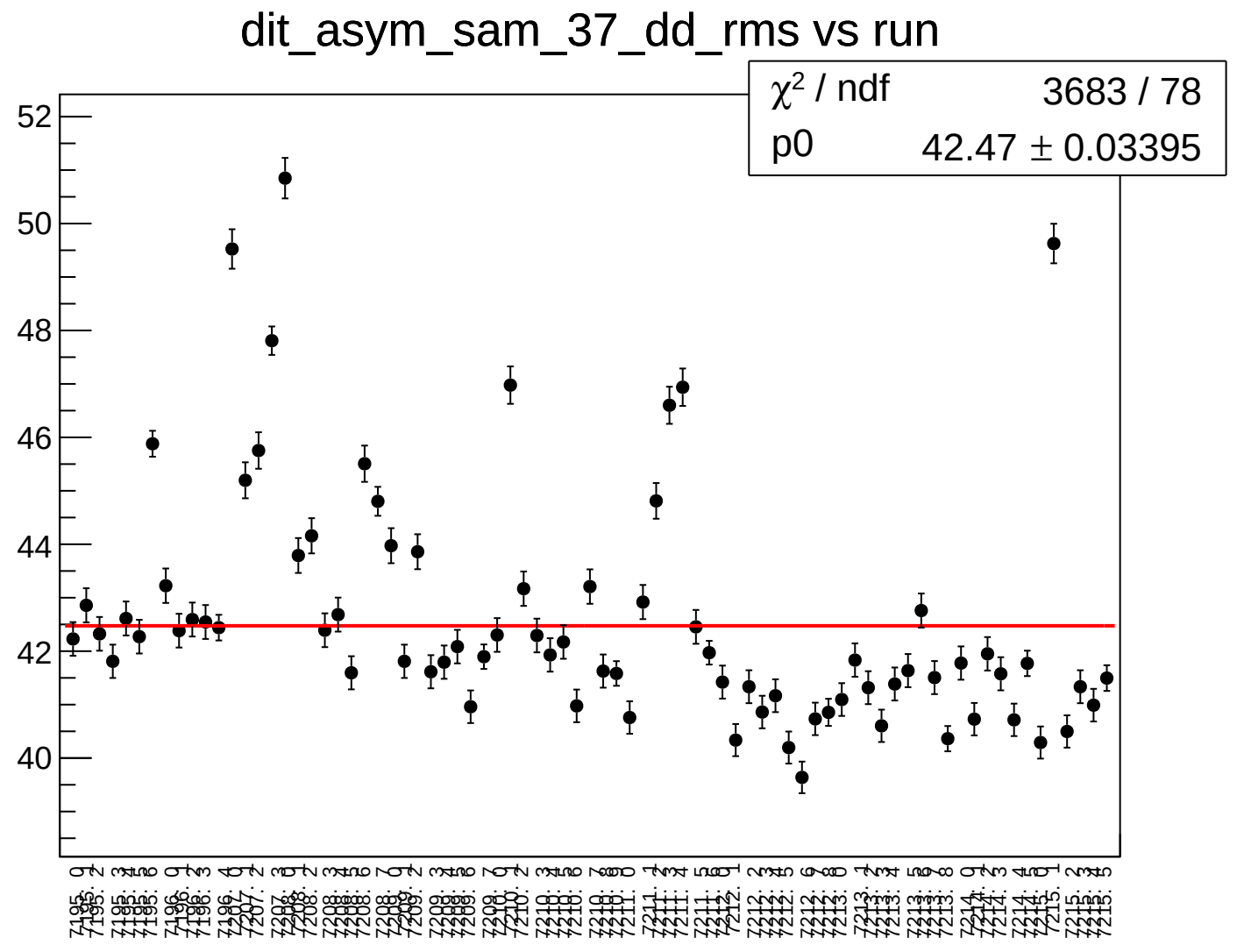

asym_sam_26_dd_mean vs run
χ² / ndf 66.52 / 78
p0 −3162 ± 1754
pull
Entries 79
Mean 253.1
Std Dev 210.8

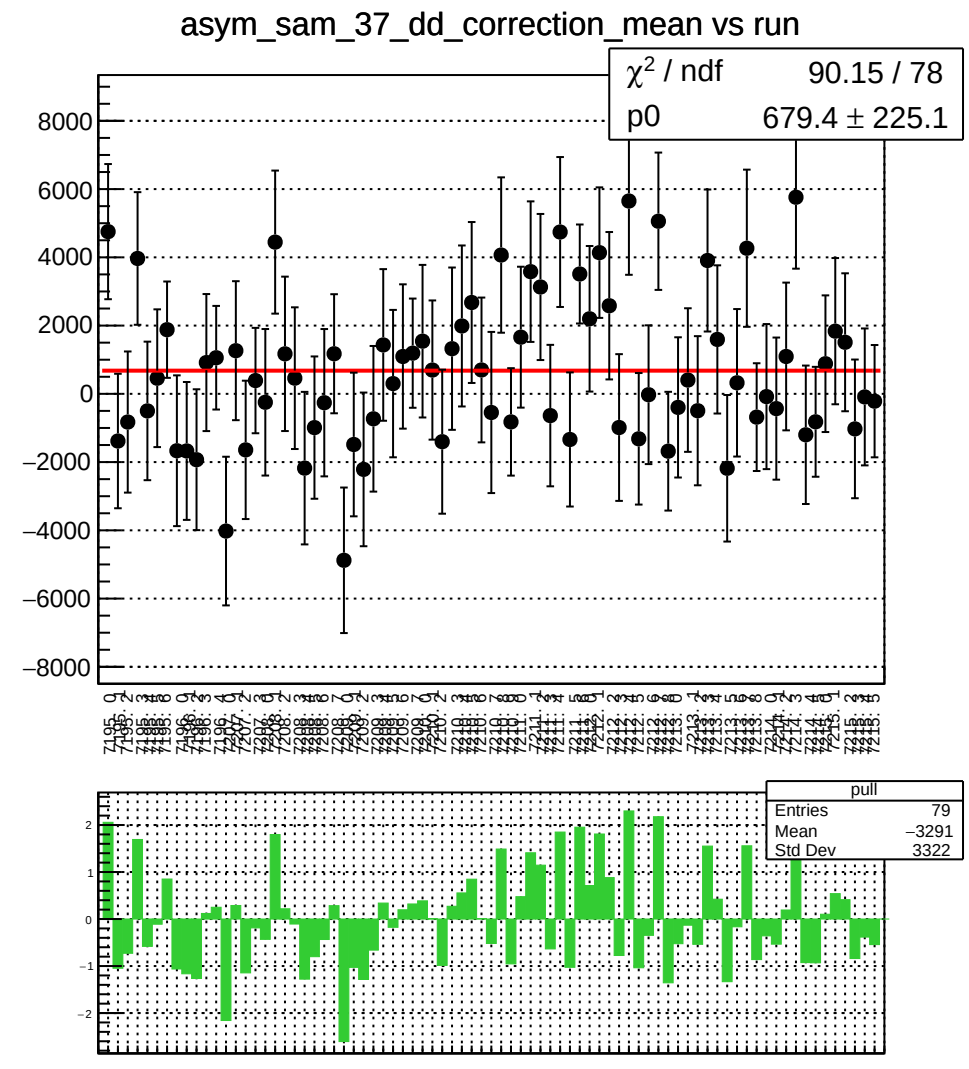

pull1D
Entries 79
Mean 0.009805
Std Dev 0.9176

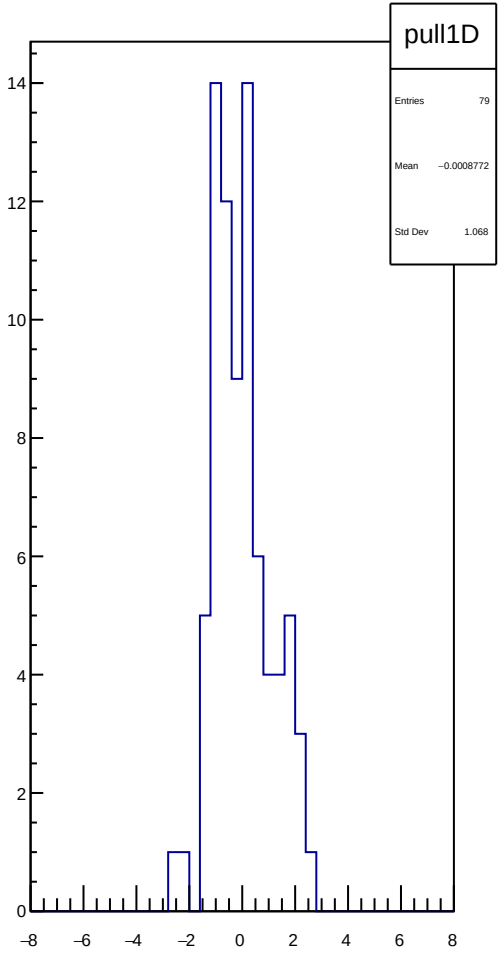

asym_sam_26_dd_rms vs run
χ² / ndf 4483 / 78
p0 1551 ± 1.241
1800
1750
1700
1650
1600
1550
1500
1450
1400
1350

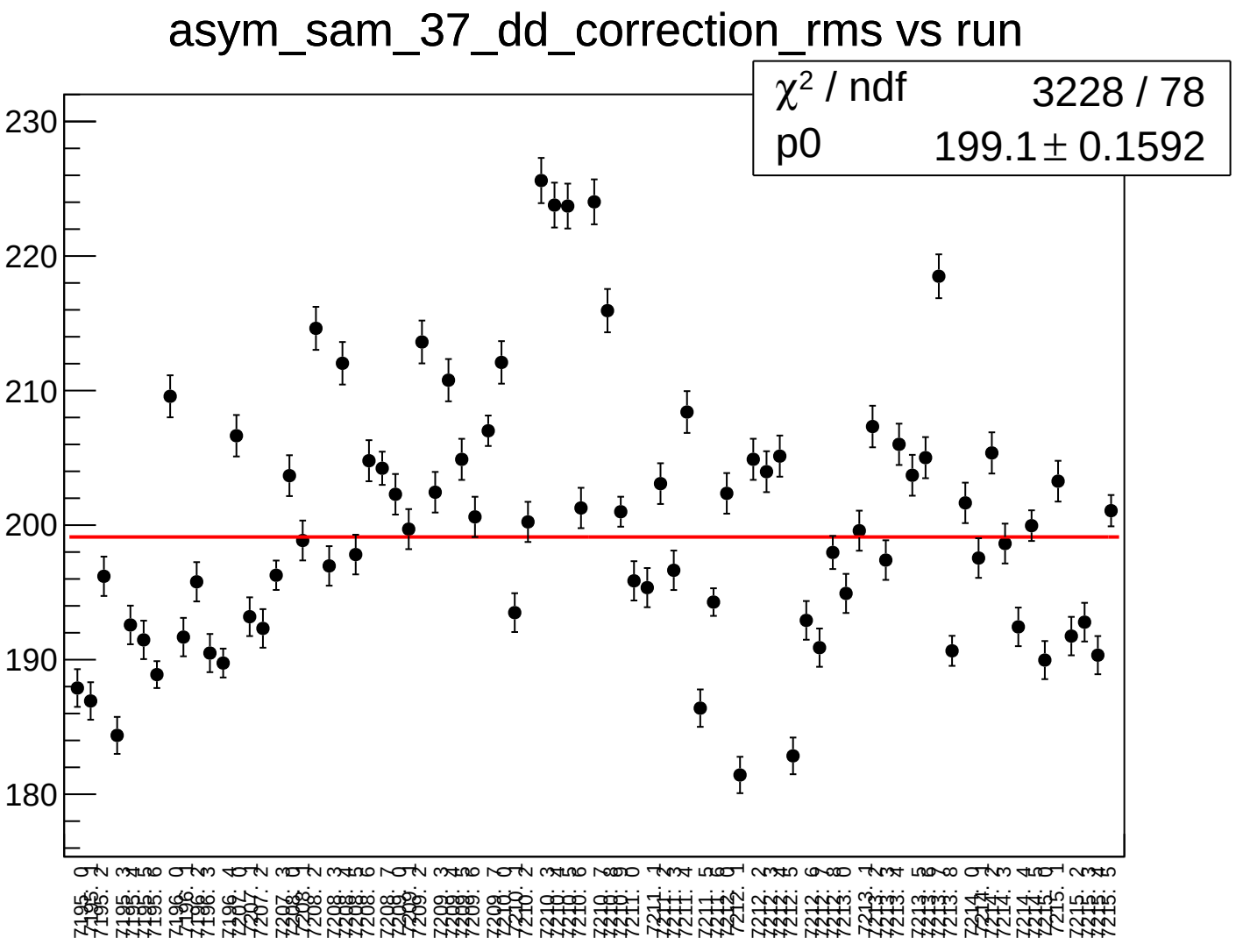

dit_asym_sam_37_dd_mean vs run
χ² / ndf 105.4 / 78
p0 53.15 ± 48.02
pull
Entries 79
Mean −15.6
Std Dev 76.62

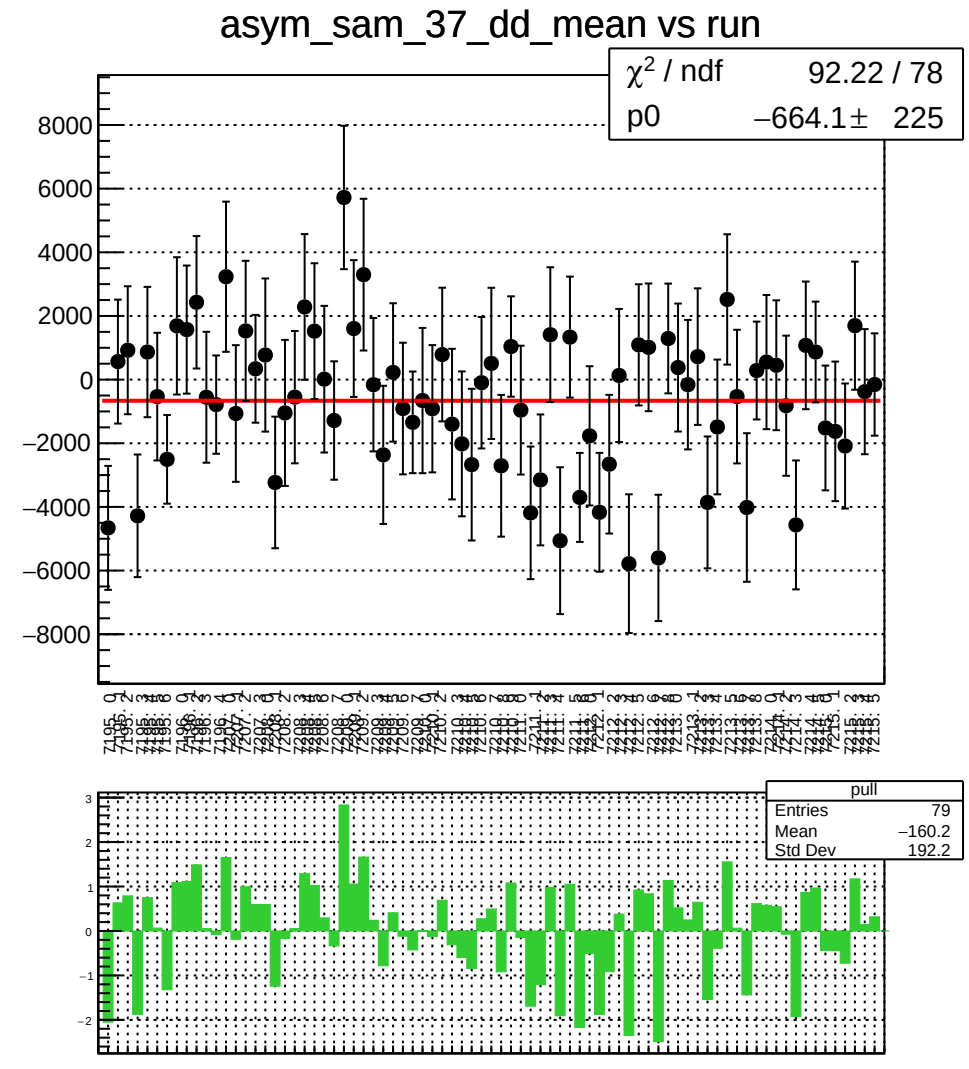

pull1D
Entries 79
Mean 0.02168
Std Dev 1.155

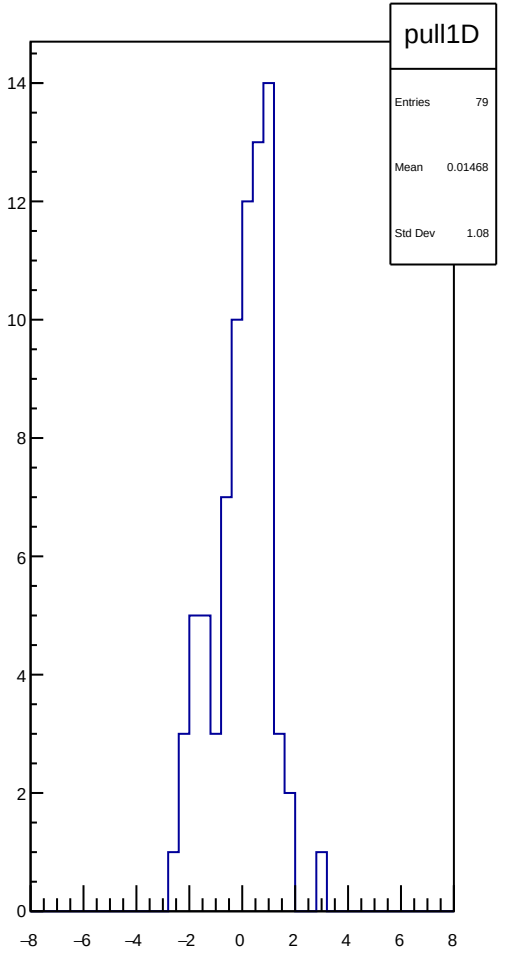

dit_asym_sam_37_dd_rms vs run
χ² / ndf 3683 / 78
p0 42.47 ± 0.03395
52
50
48
46
44
42
40

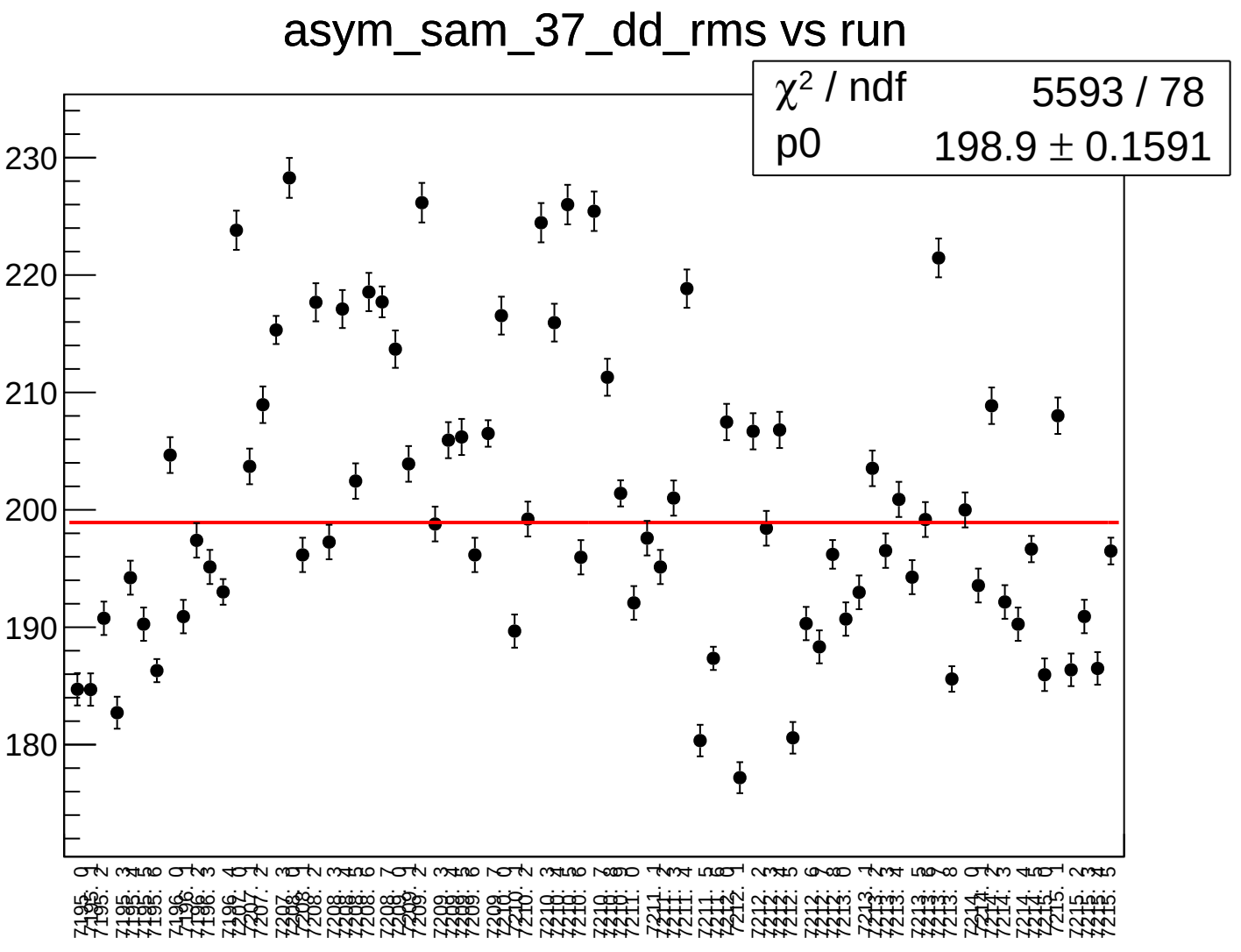

asym_sam_37_dd_correction_mean vs run
χ² / ndf 90.15 / 78
p0 679.4 ± 225.1
pull
Entries 79
Mean −3291
Std Dev 3322

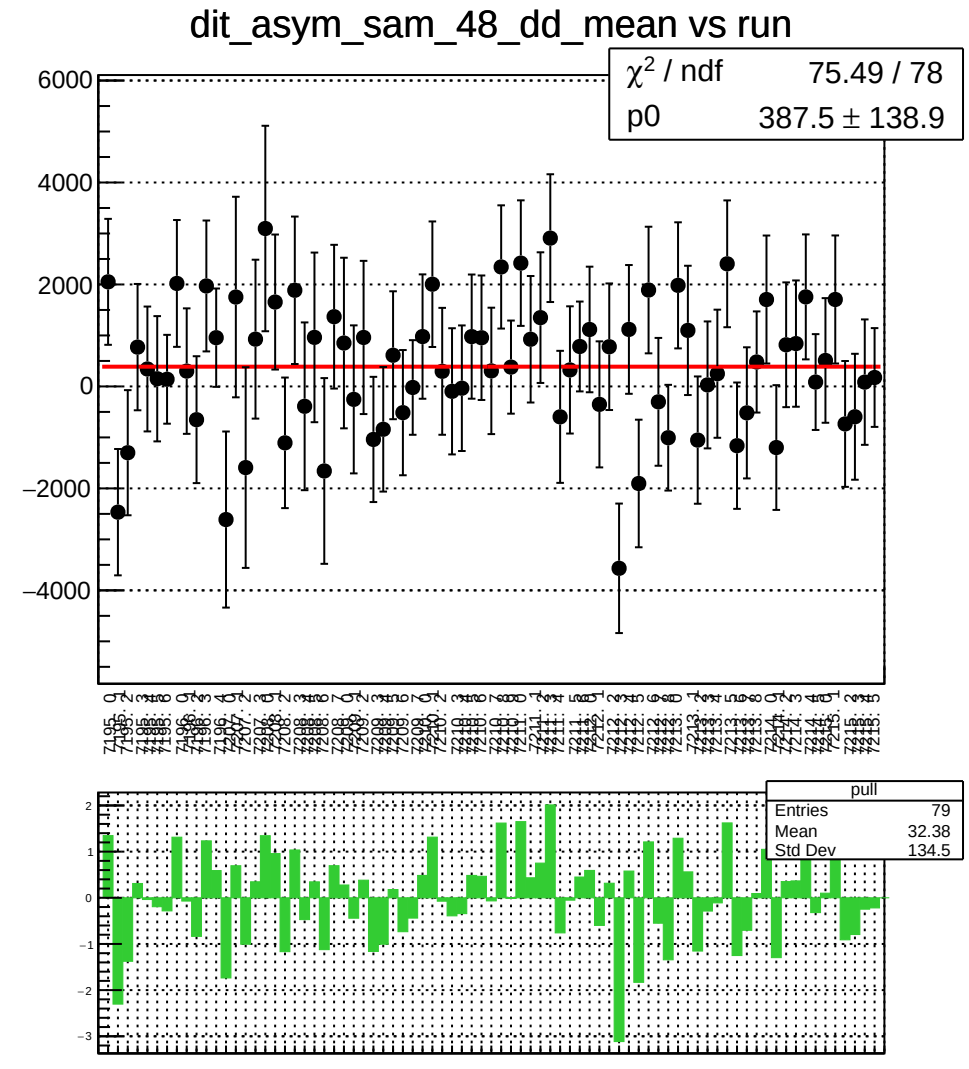

pull1D
Entries 79
Mean −0.0008772
Std Dev 1.068

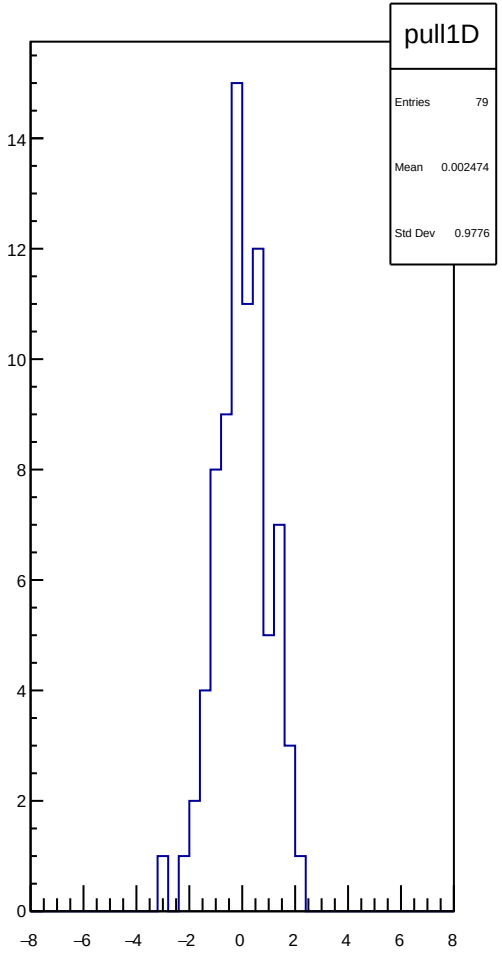

asym_sam_37_dd_correction_rms vs run
χ² / ndf 3228 / 78
p0 199.1 ± 0.1592
230
220
210
200
190
180

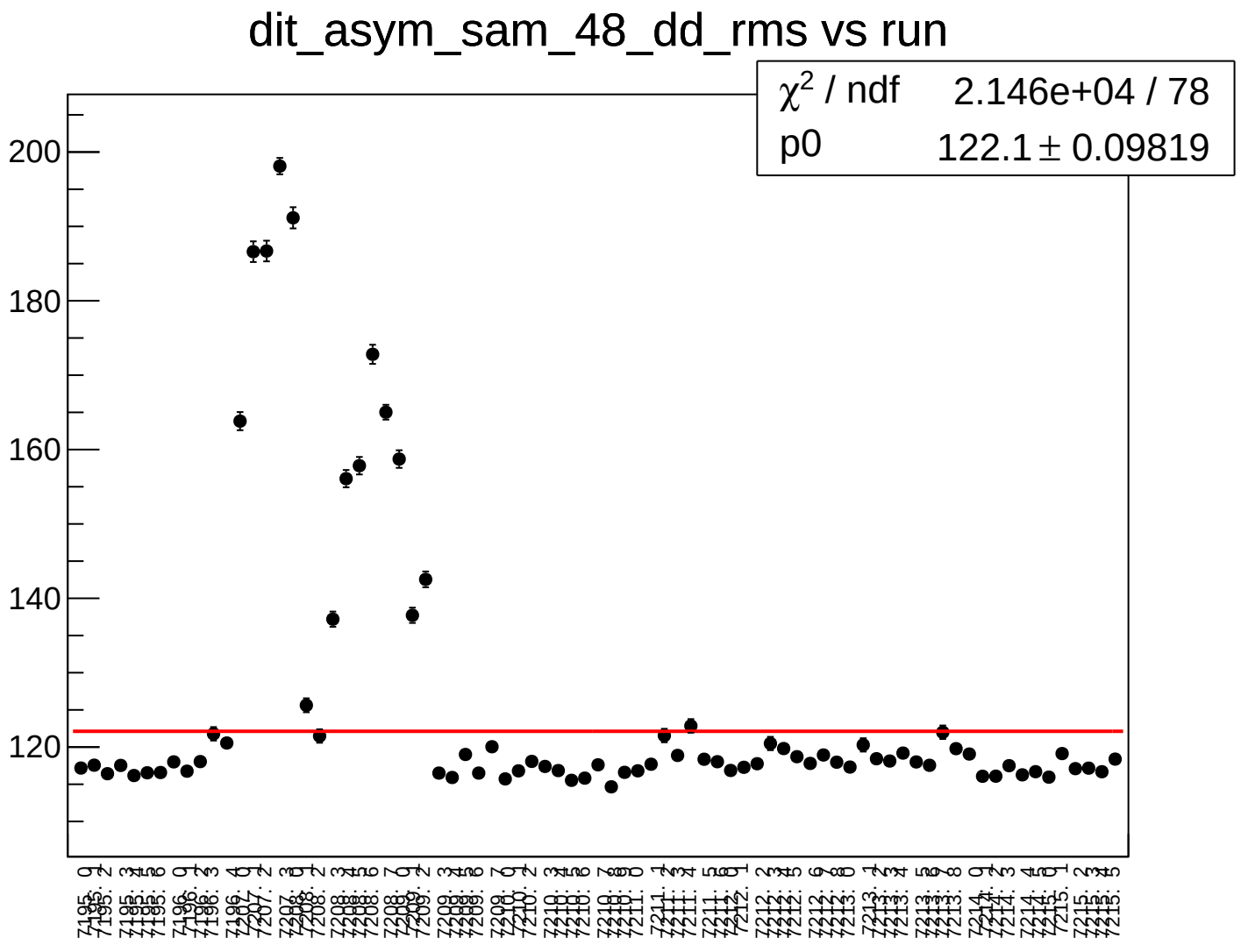

asym_sam_37_dd_mean vs run
χ² / ndf 92.22 / 78
p0 −664.1± 225
pull
Entries 79
Mean −160.2
Std Dev 192.2

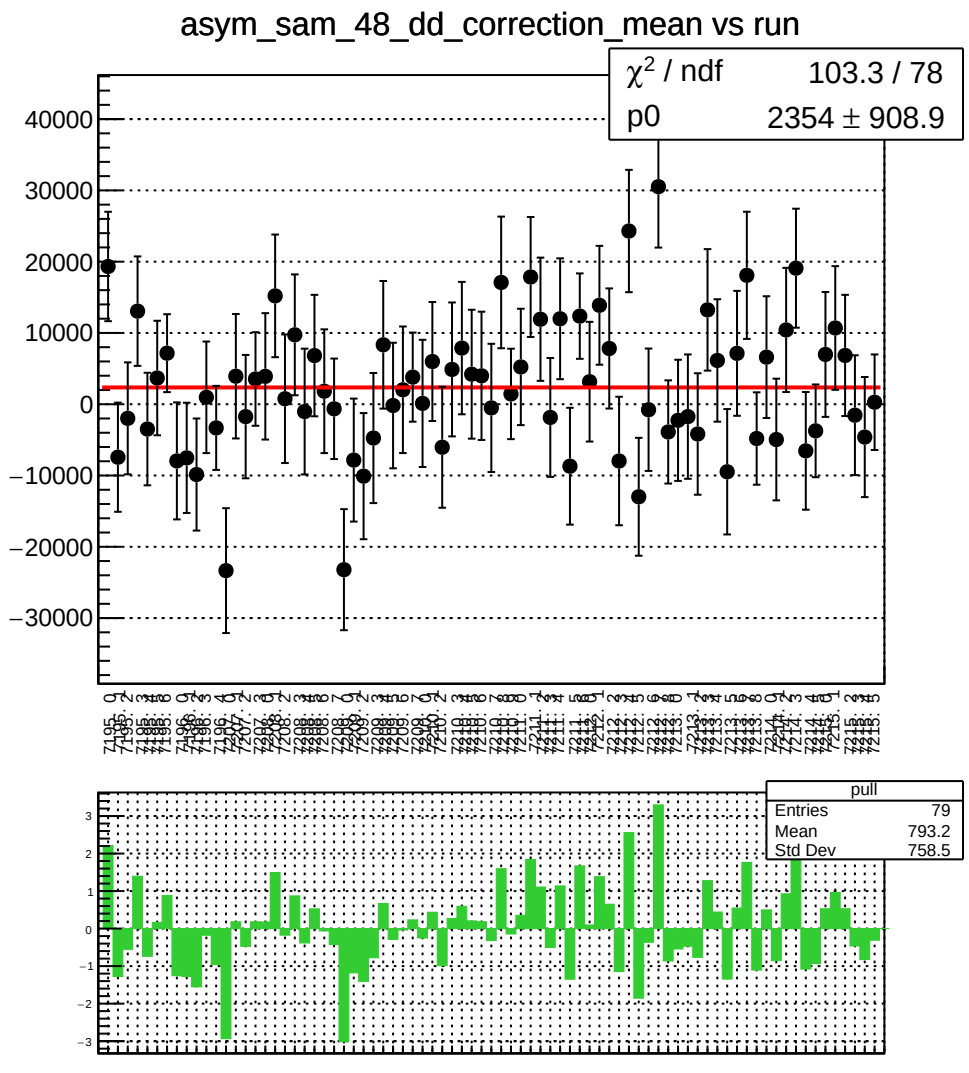

pull1D
Entries 79
Mean 0.01468
Std Dev 1.08

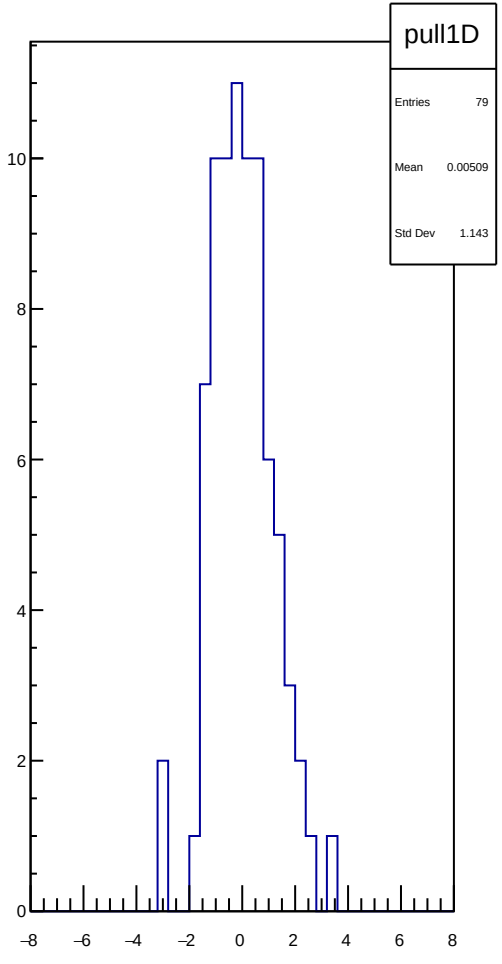

asym_sam_37_dd_rms vs run
χ² / ndf 5593 / 78
p0 198.9 ± 0.1591
230
220
210
200
190
180

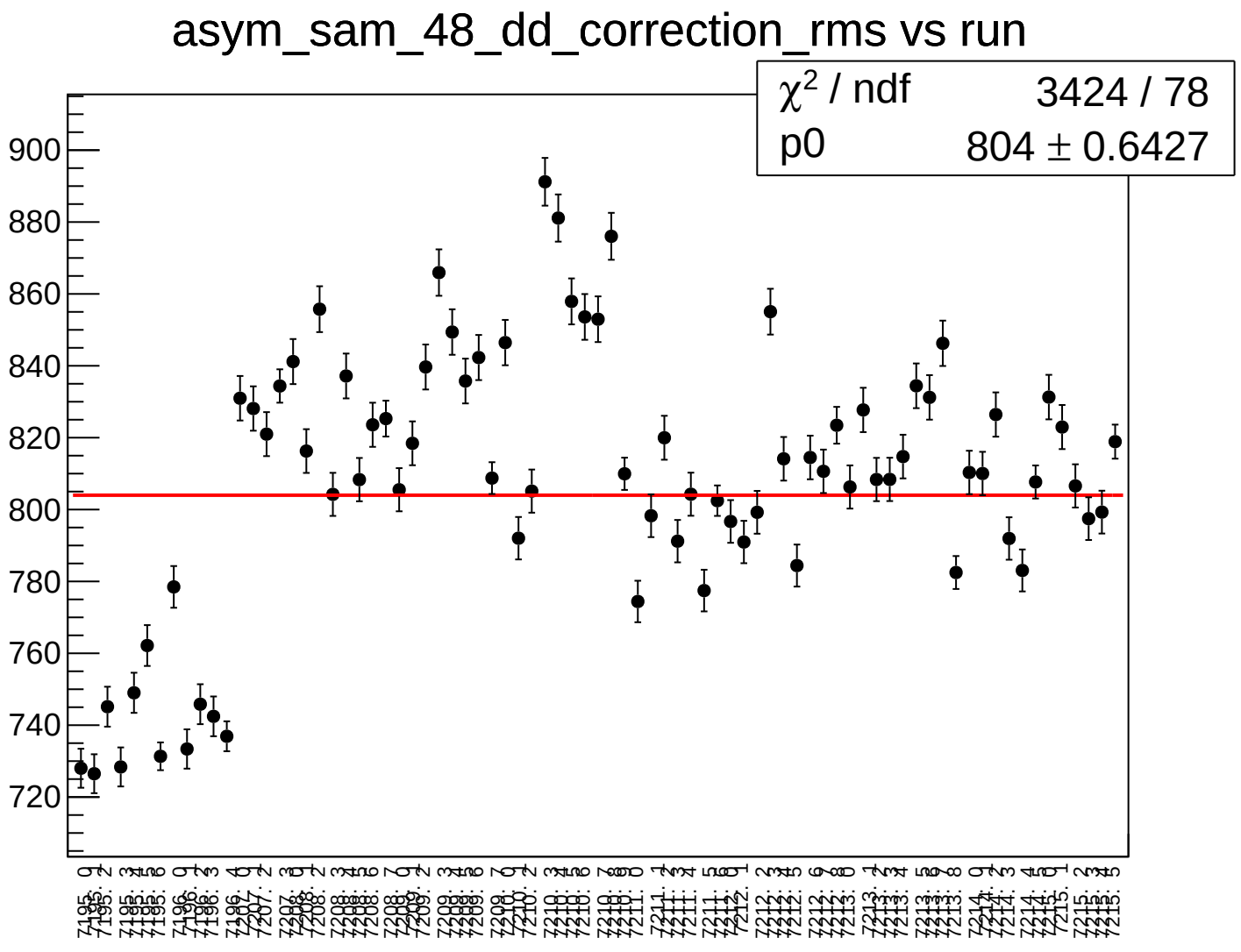

dit_asym_sam_48_dd_mean vs run
χ² / ndf 75.49 / 78
p0 387.5 ± 138.9
pull
Entries 79
Mean 32.38
Std Dev 134.5

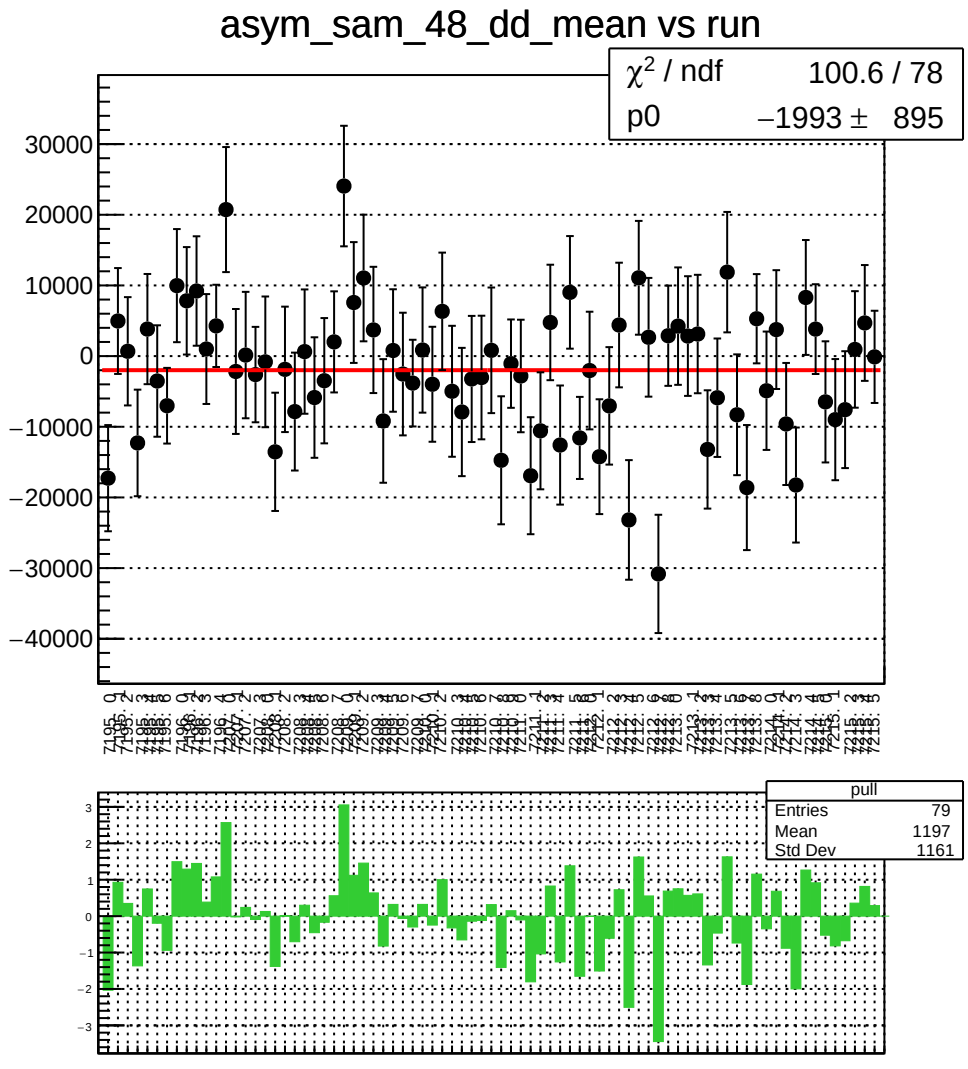

pull1D
Entries 79
Mean 0.002474
Std Dev 0.9776

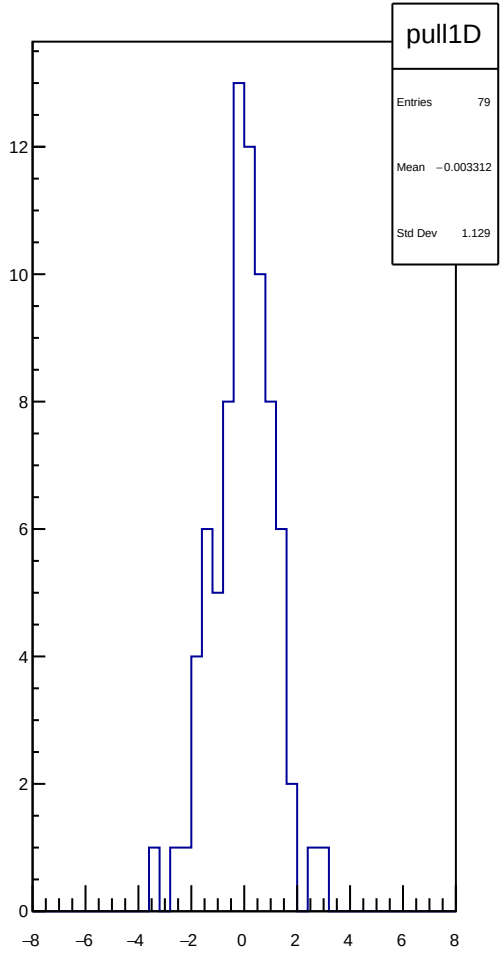

dit_asym_sam_48_dd_rms vs run
χ^2 / ndf 2.146e+04 / 78
p0 122.1 ± 0.09819
200
180
160
140
120

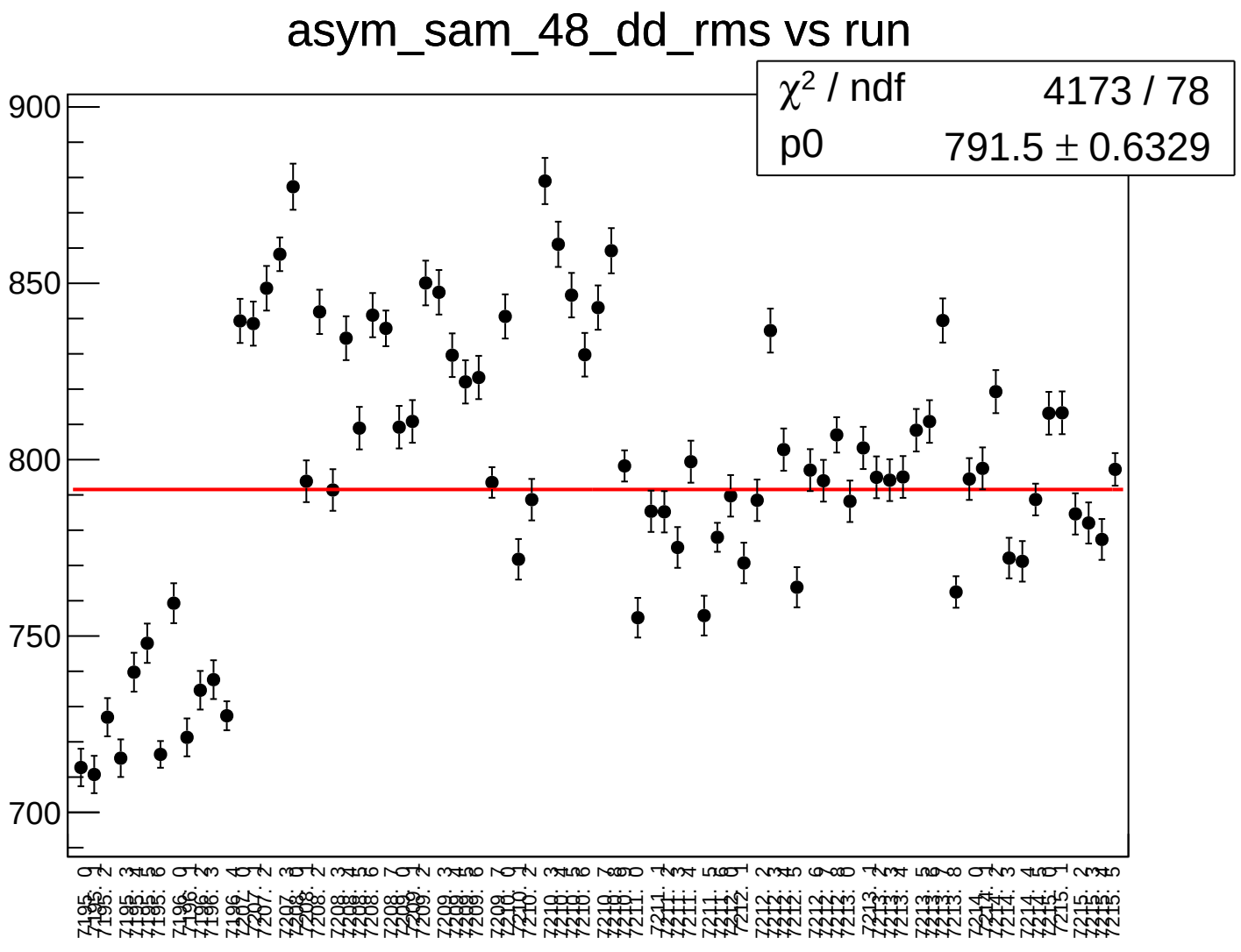

asym_sam_48_dd_correction_mean vs run
χ² / ndf 103.3 / 78
p0 2354 ± 908.9
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 79
Mean 793.2
Std Dev 758.5
3
2
1
0
−1
−2
−3

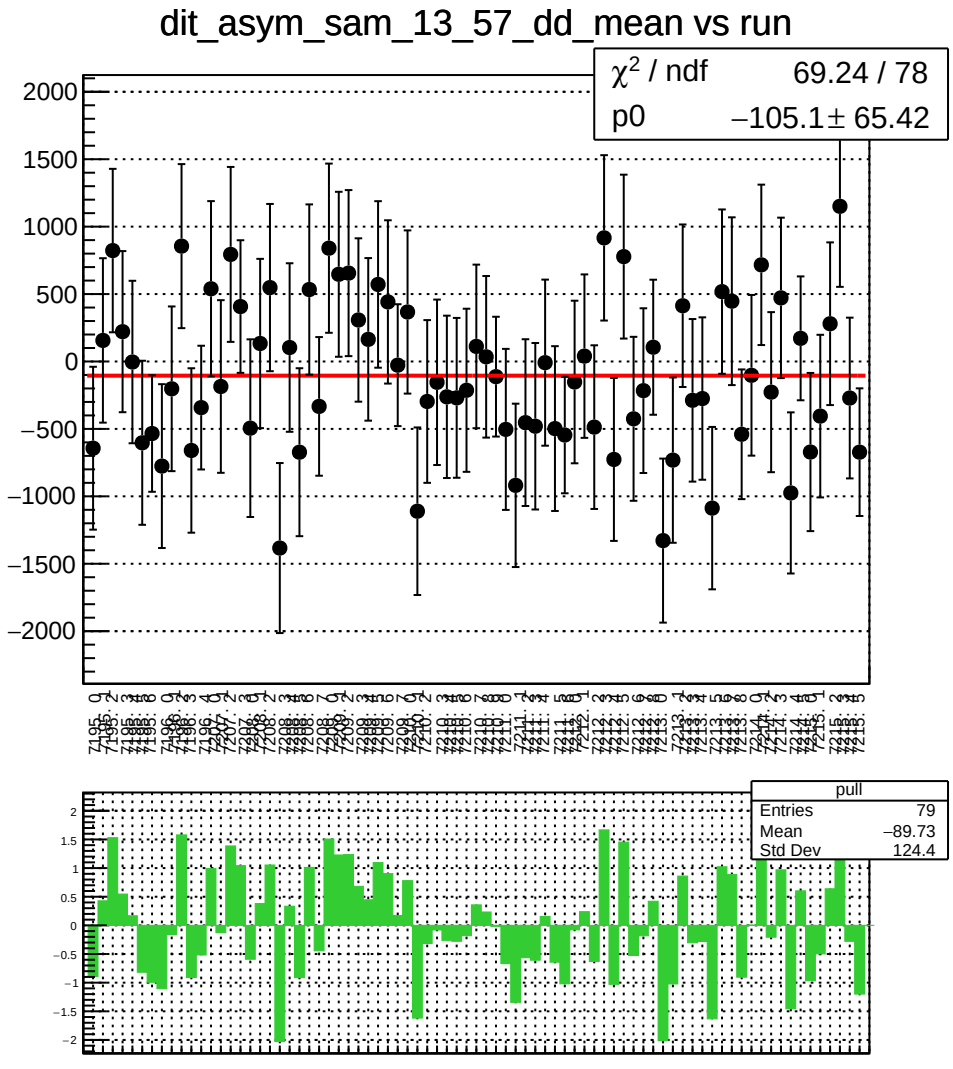

pull1D
Entries 79
Mean 0.00509
Std Dev 1.143
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

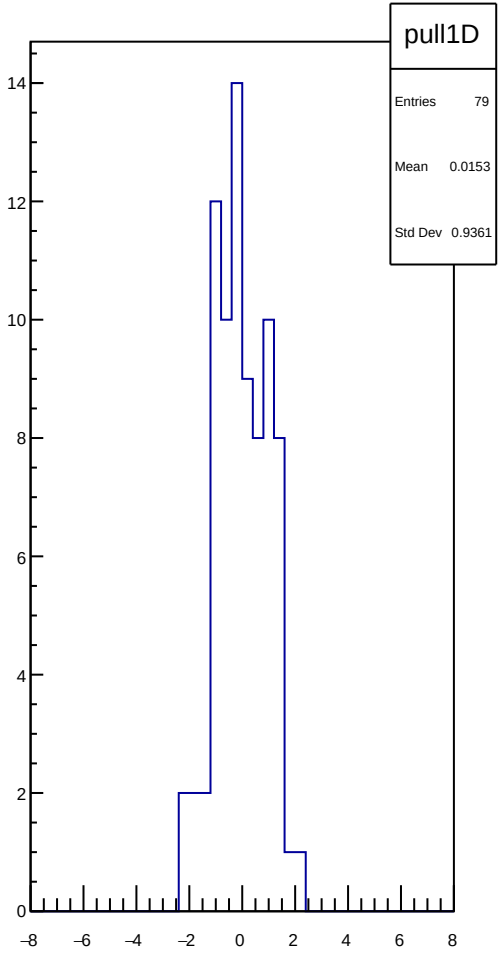

asym_sam_48_dd_correction_rms vs run
χ² / ndf 3424 / 78
p0 804 ± 0.6427
900
880
860
840
820
800
780
760
740
720

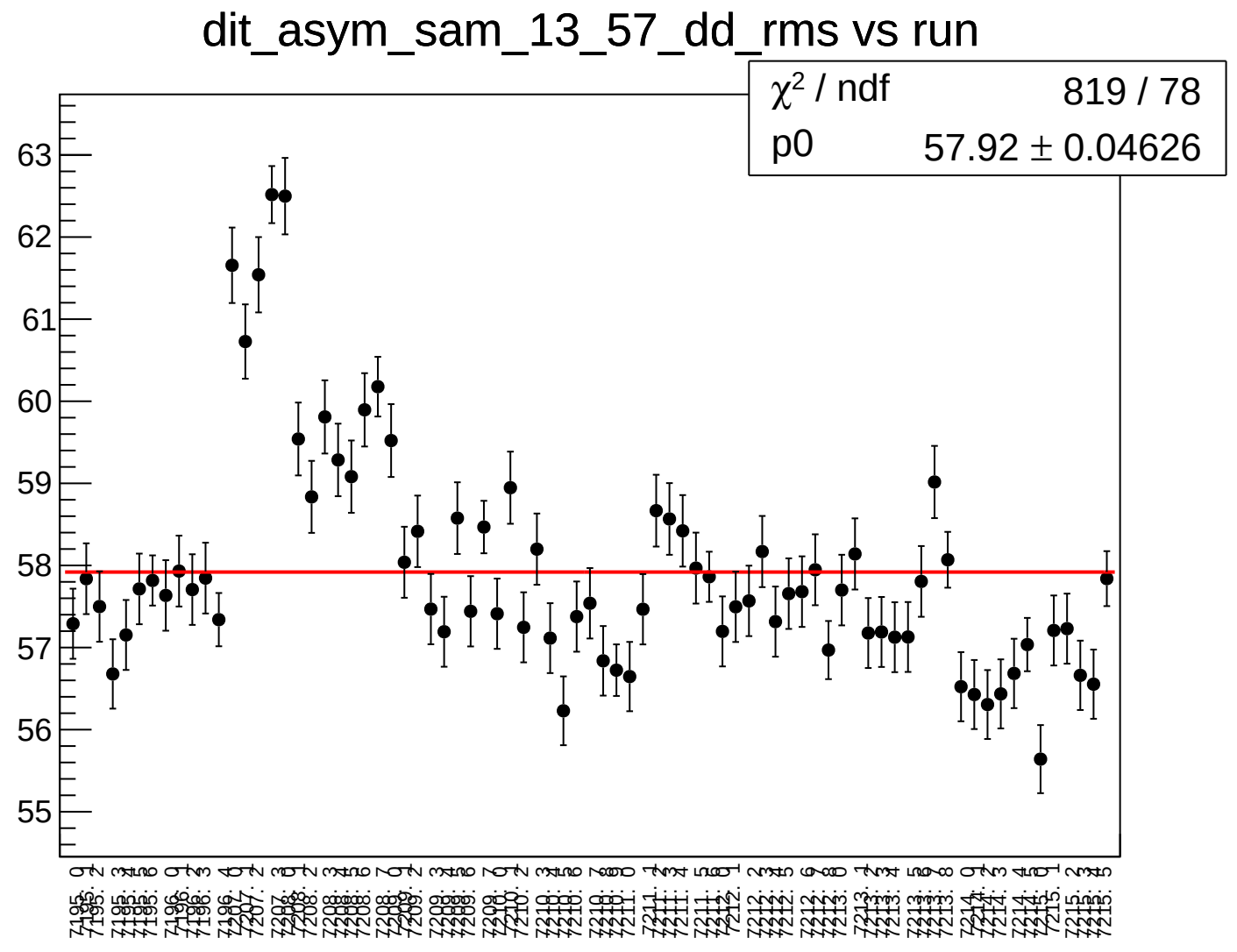

asym_sam_48_dd_mean vs run
χ² / ndf 100.6 / 78
p0 −1993 ± 895
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 79
Mean 1197
Std Dev 1161
3
2
1
0
−1
−2
−3

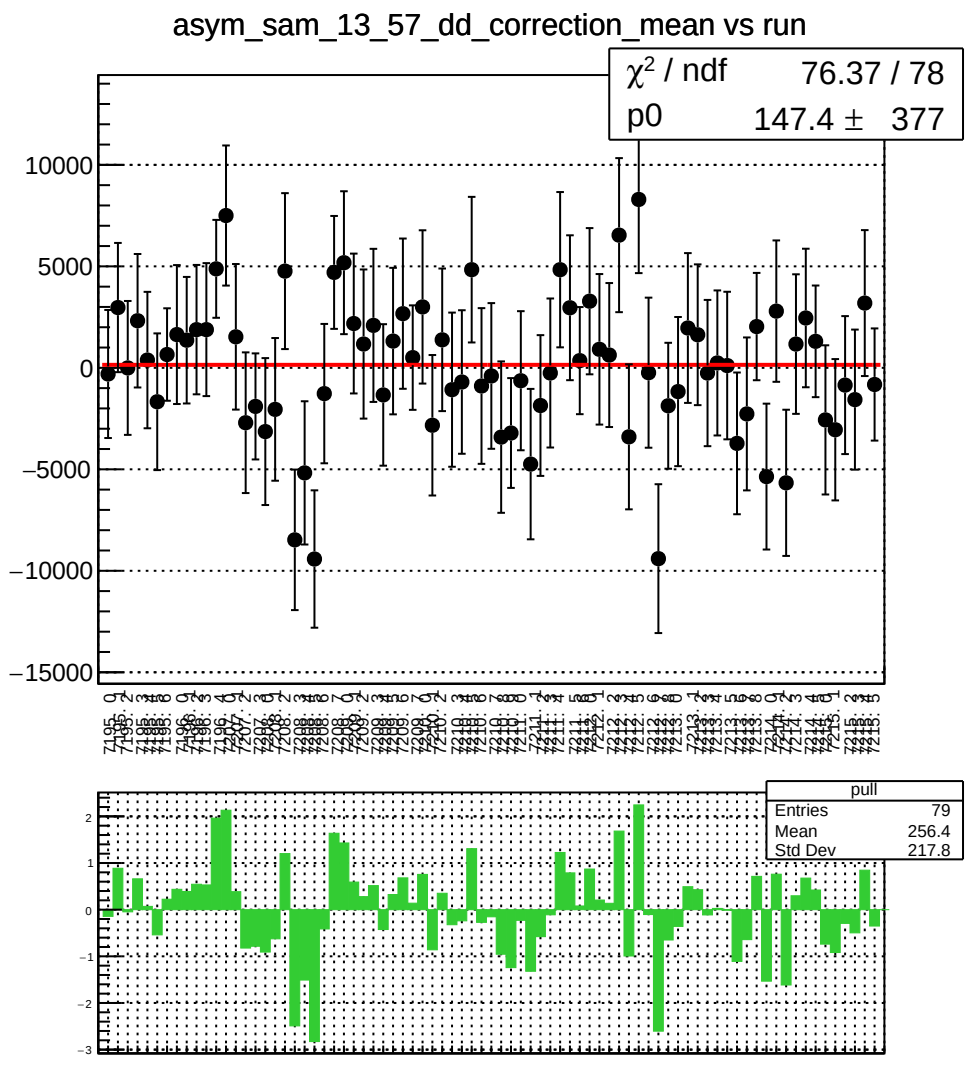

pull1D
Entries 79
Mean −0.003312
Std Dev 1.129
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

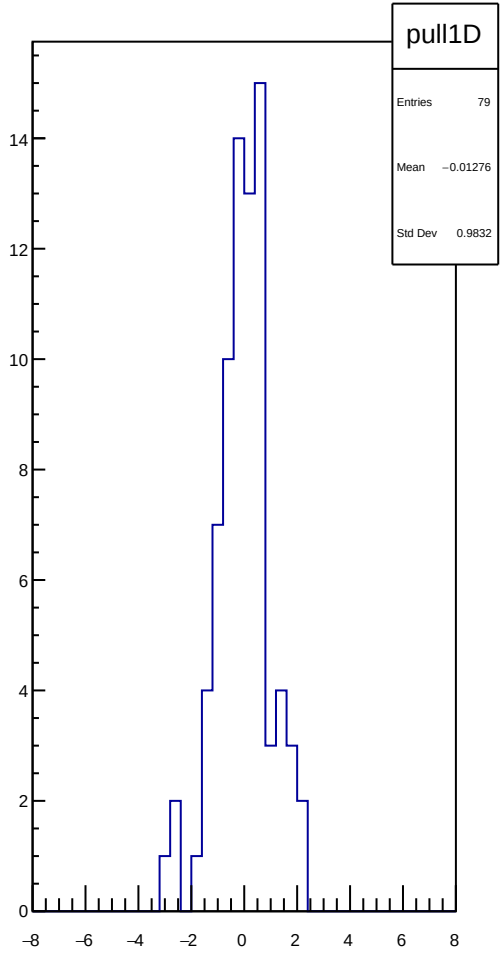

asym_sam_48_dd_rms vs run
χ² / ndf 4173 / 78
p0 791.5 ± 0.6329
900
850
800
750
700

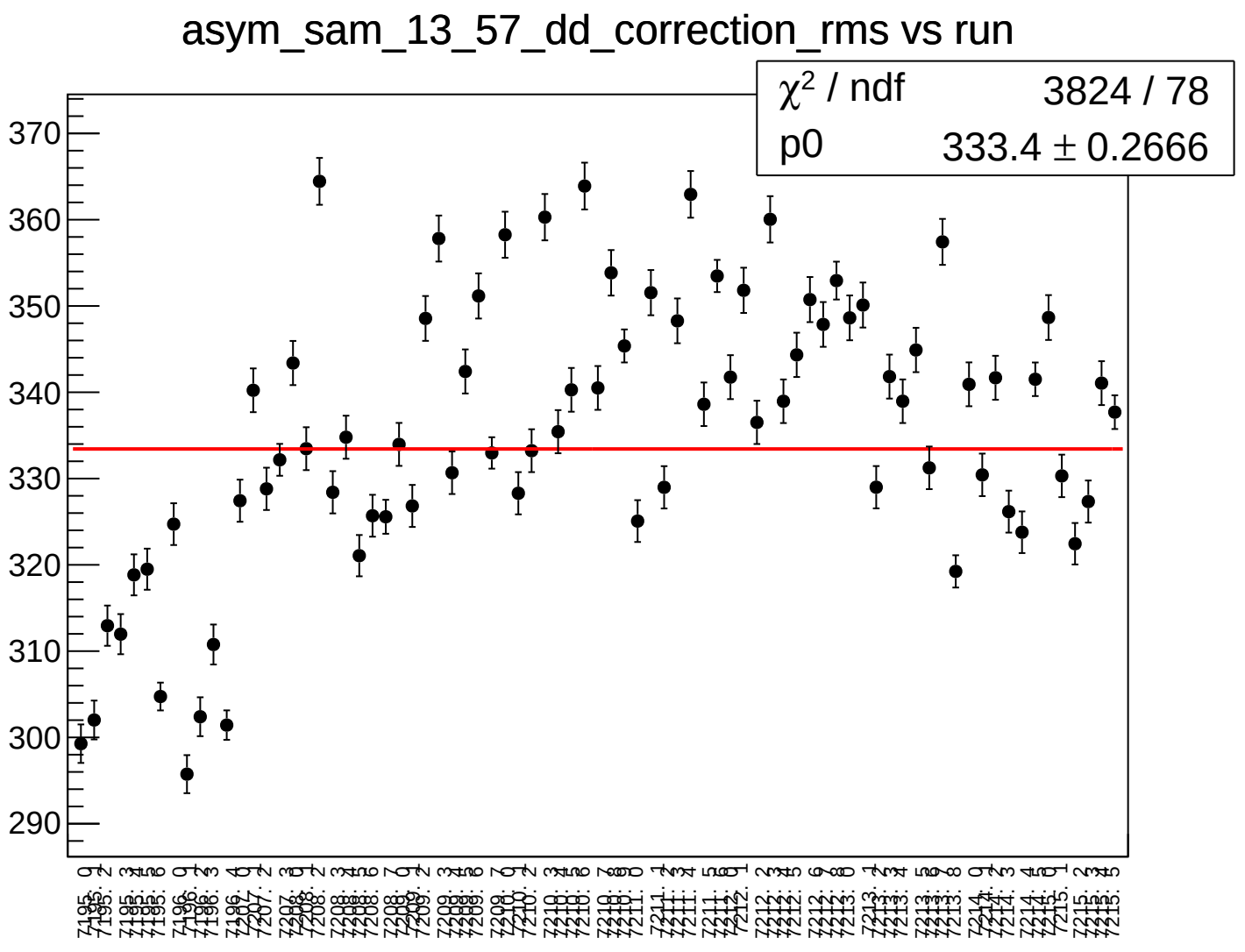

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 69.24 / 78
p0 −105.1± 65.42
pull
Entries 79
Mean −89.73
Std Dev 124.4

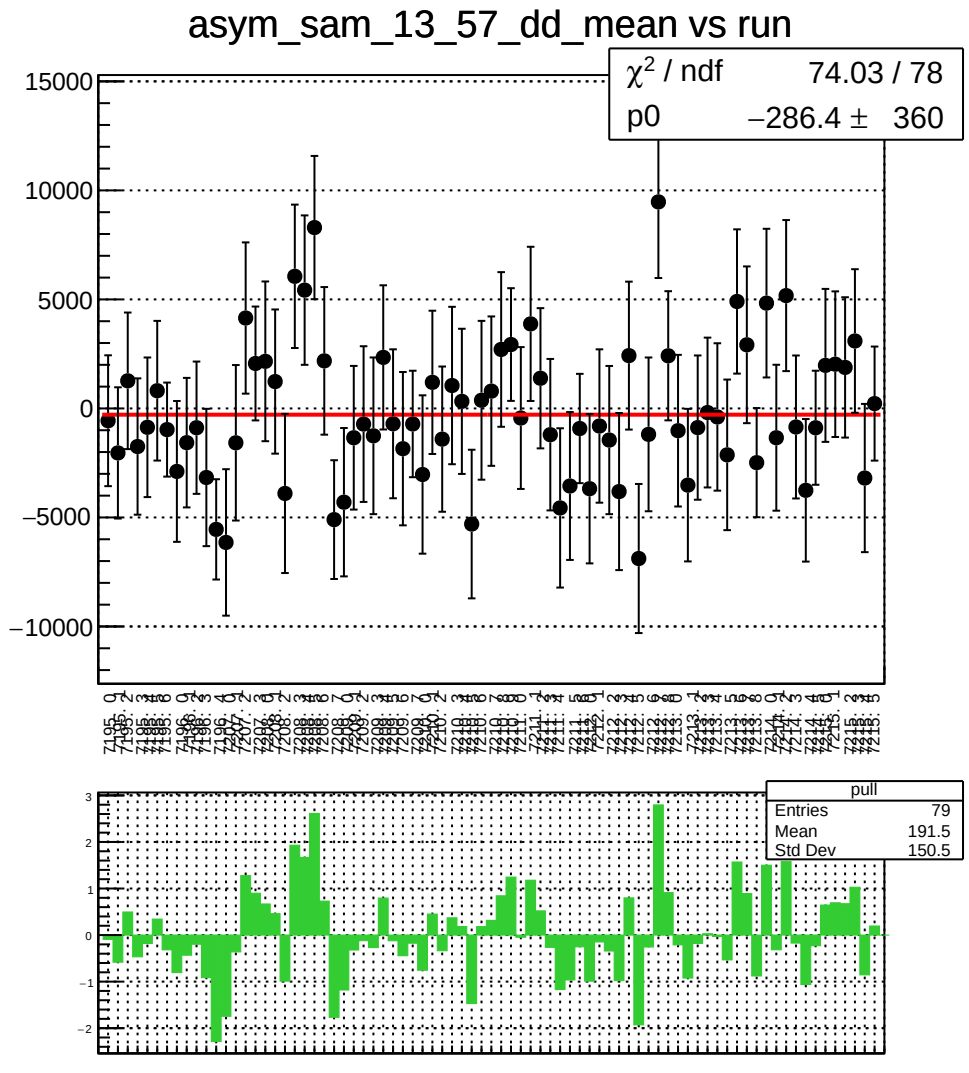

pull1D
Entries 79
Mean 0.0153
Std Dev 0.9361

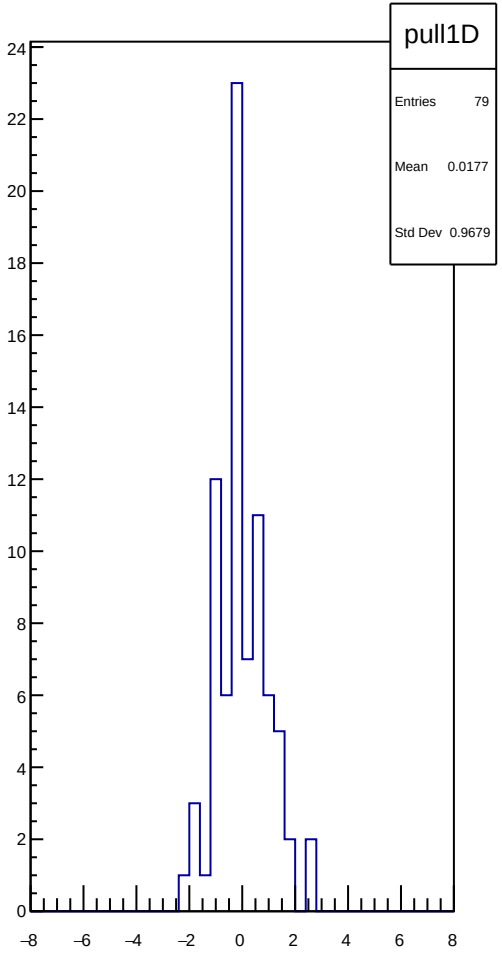

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 819 / 78
p0 57.92 ± 0.04626
63
62
61
60
59
58
57
56
55

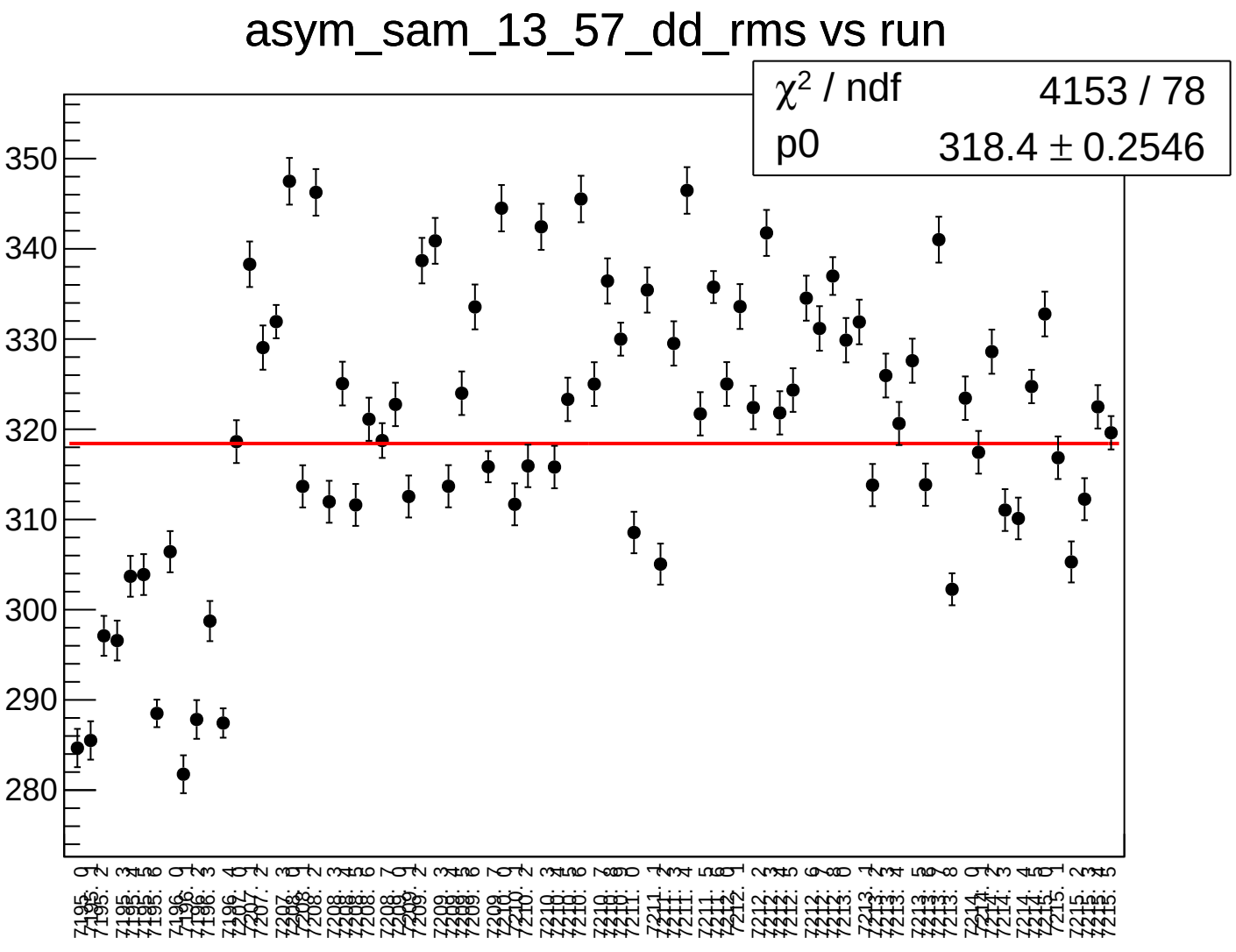

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 76.37 / 78
p0 147.4 ± 377
pull
Entries 79
Mean 256.4
Std Dev 217.8

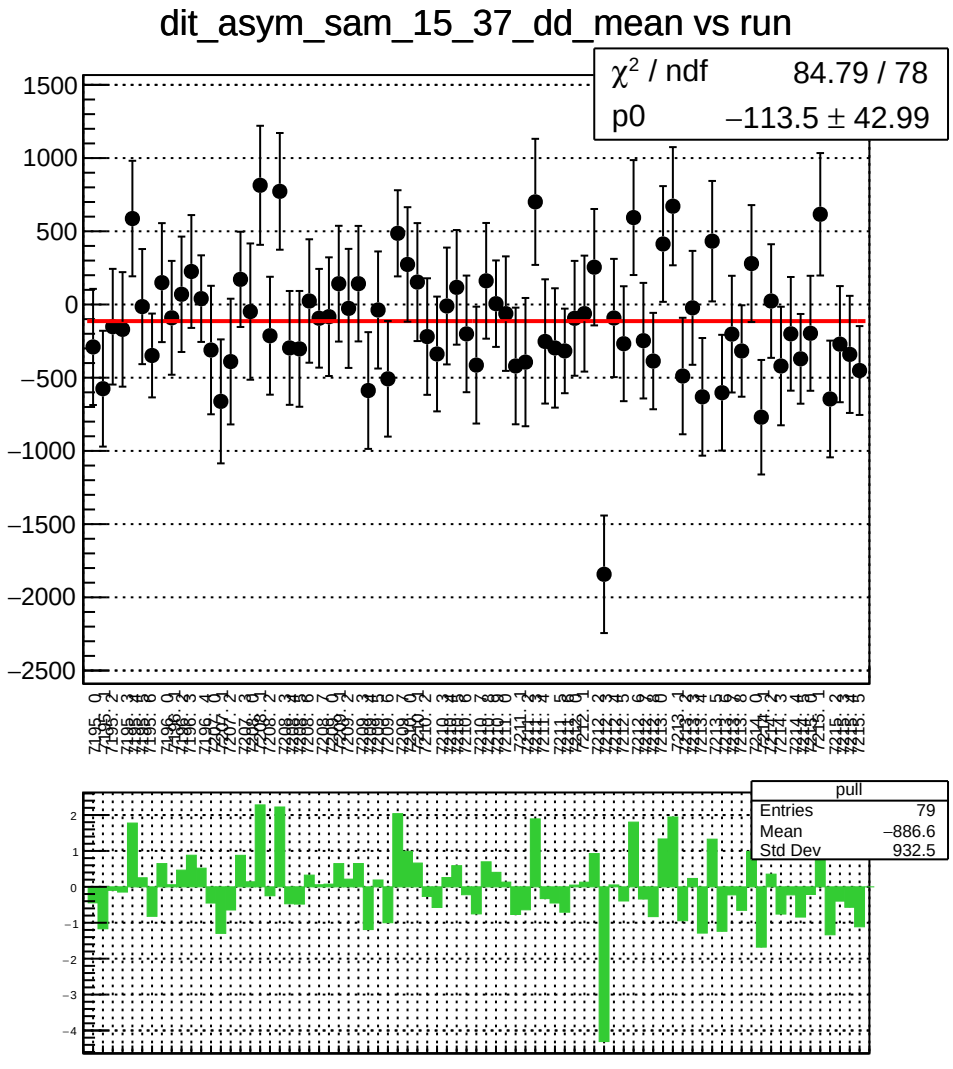

pull1D
Entries 79
Mean −0.01276
Std Dev 0.9832

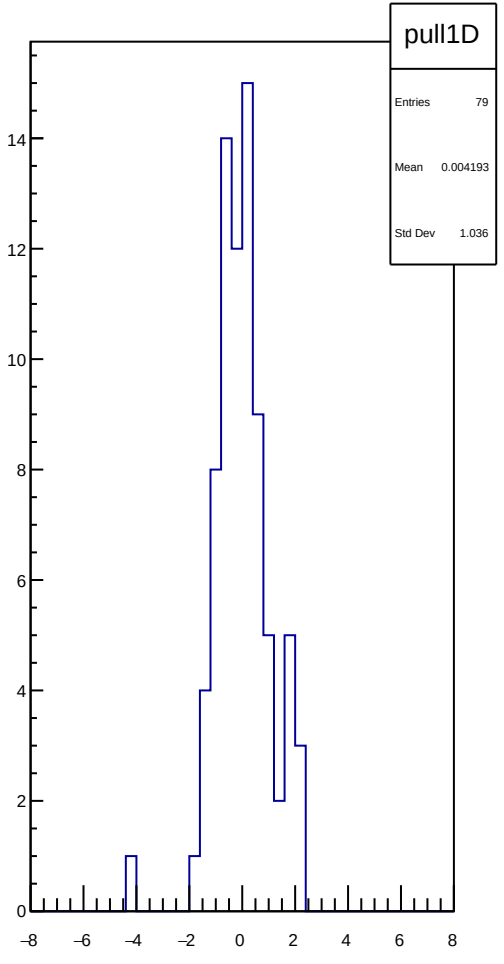

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 3824 / 78
p0 333.4 ± 0.2666
370
360
350
340
330
320
310
300
290

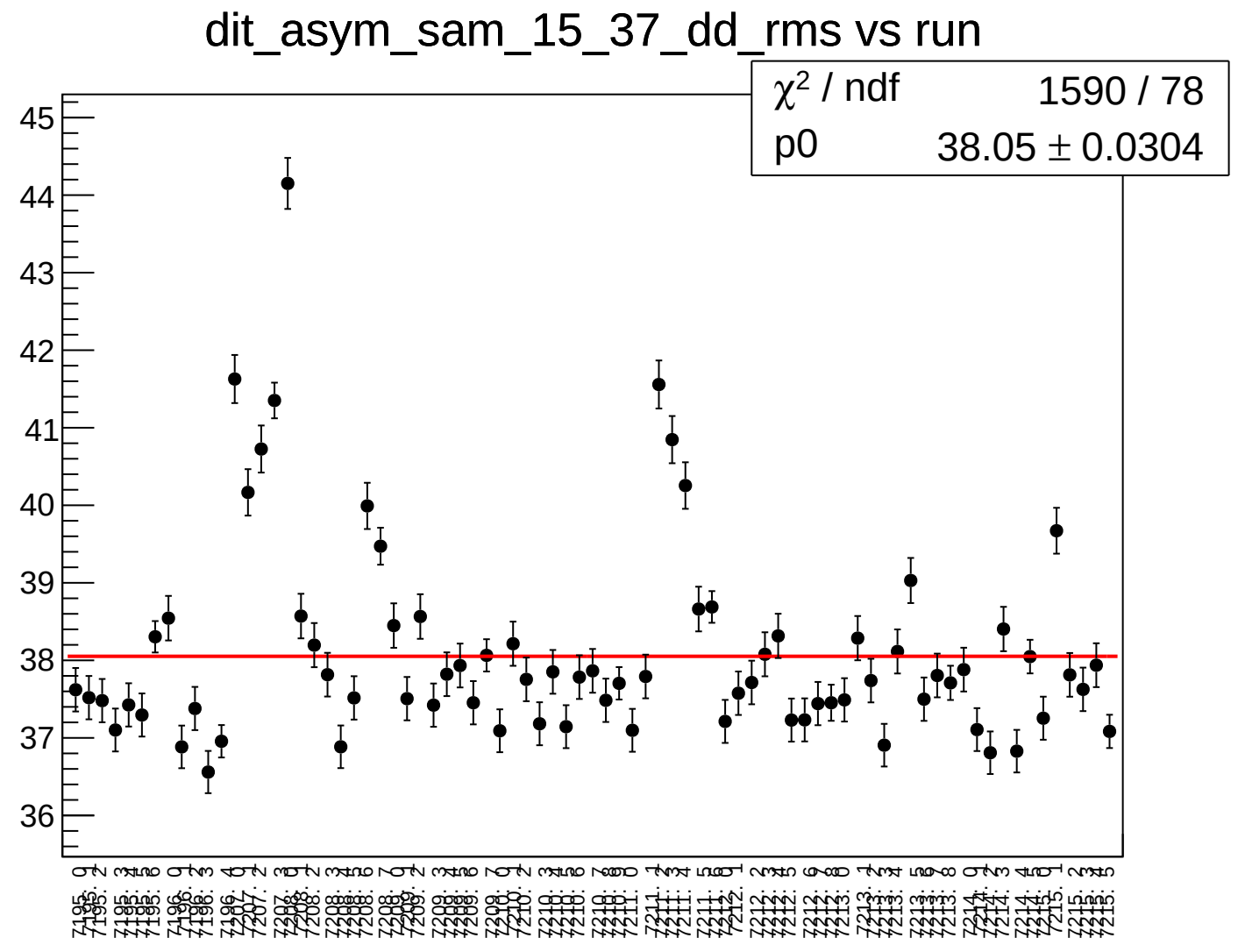

asym_sam_13_57_dd_mean vs run
χ² / ndf 74.03 / 78
p0 −286.4 ± 360
15000
10000
5000
0
−5000
−10000
pull
Entries 79
Mean 191.5
Std Dev 150.5
3
2
1
0
−1
−2

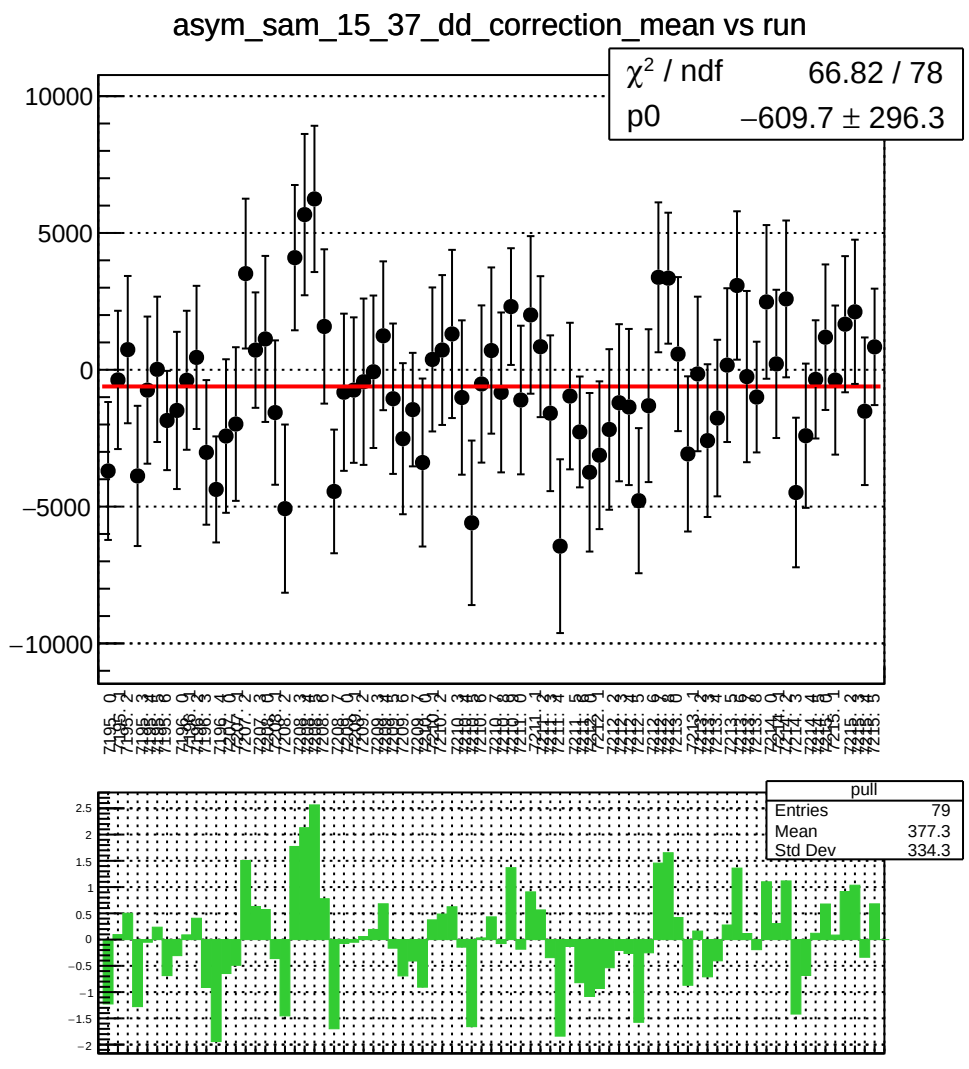

pull1D
Entries 79
Mean 0.0177
Std Dev 0.9679
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

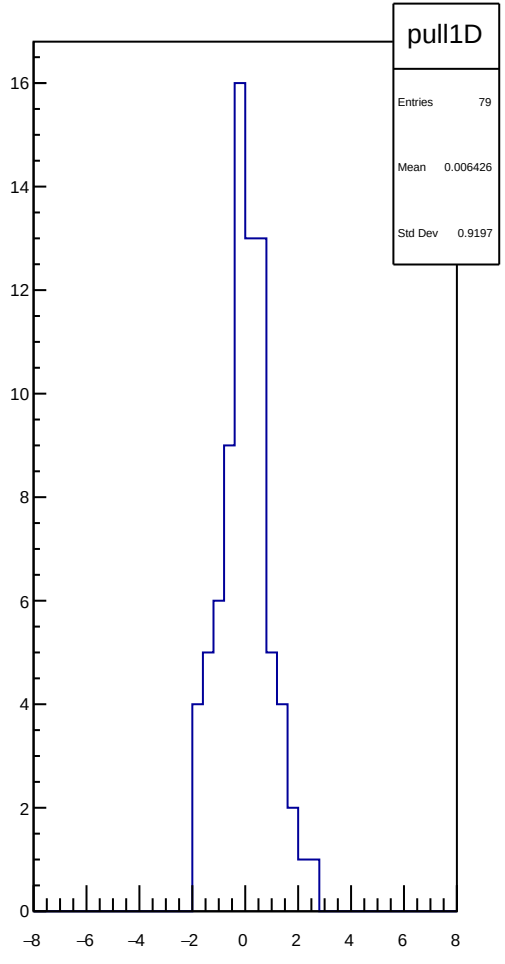

asym_sam_13_57_dd_rms vs run
χ² / ndf 4153 / 78
p0 318.4 ± 0.2546
350
340
330
320
310
300
290
280

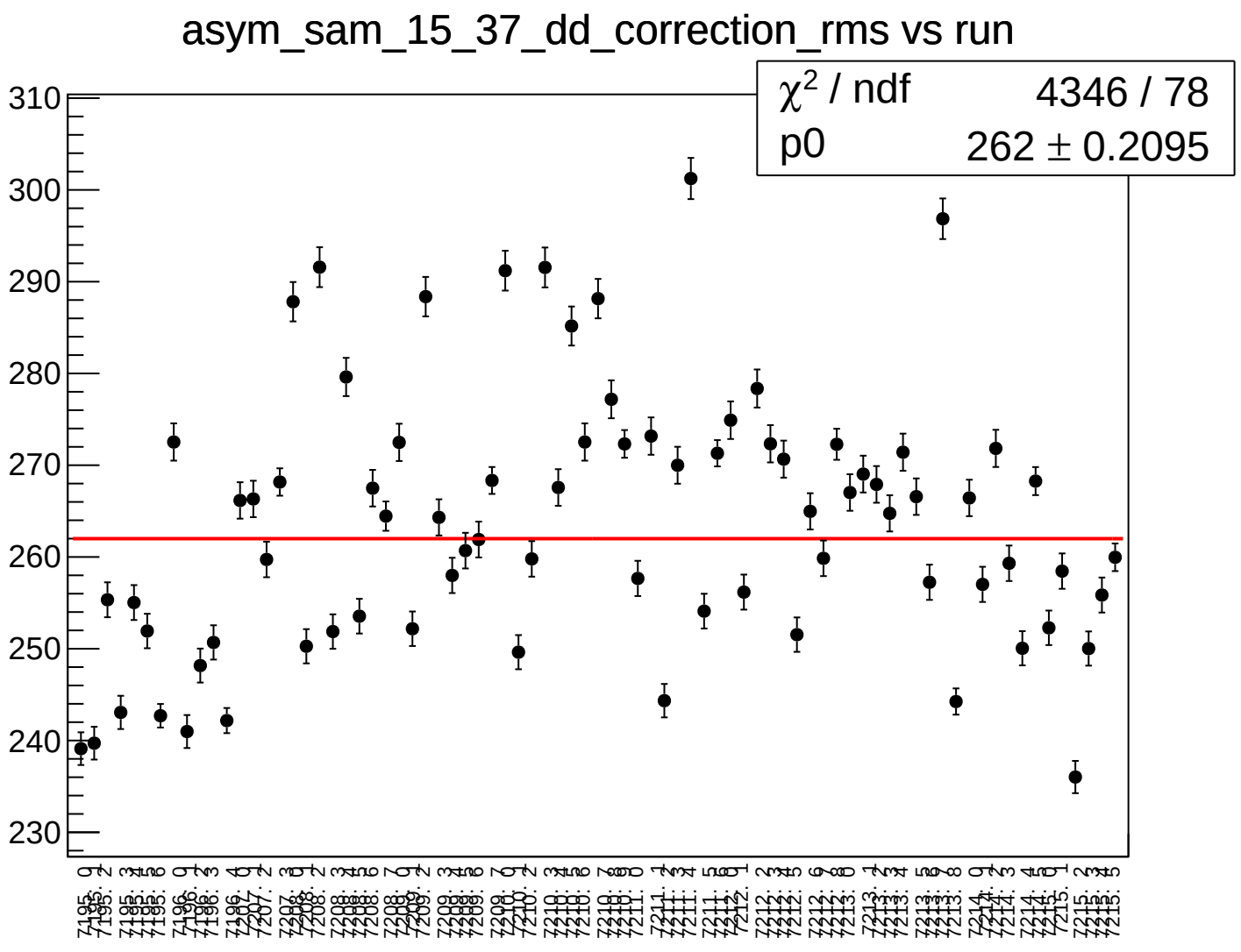

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 84.79 / 78
p0 −113.5 ± 42.99
pull
Entries 79
Mean −886.6
Std Dev 932.5

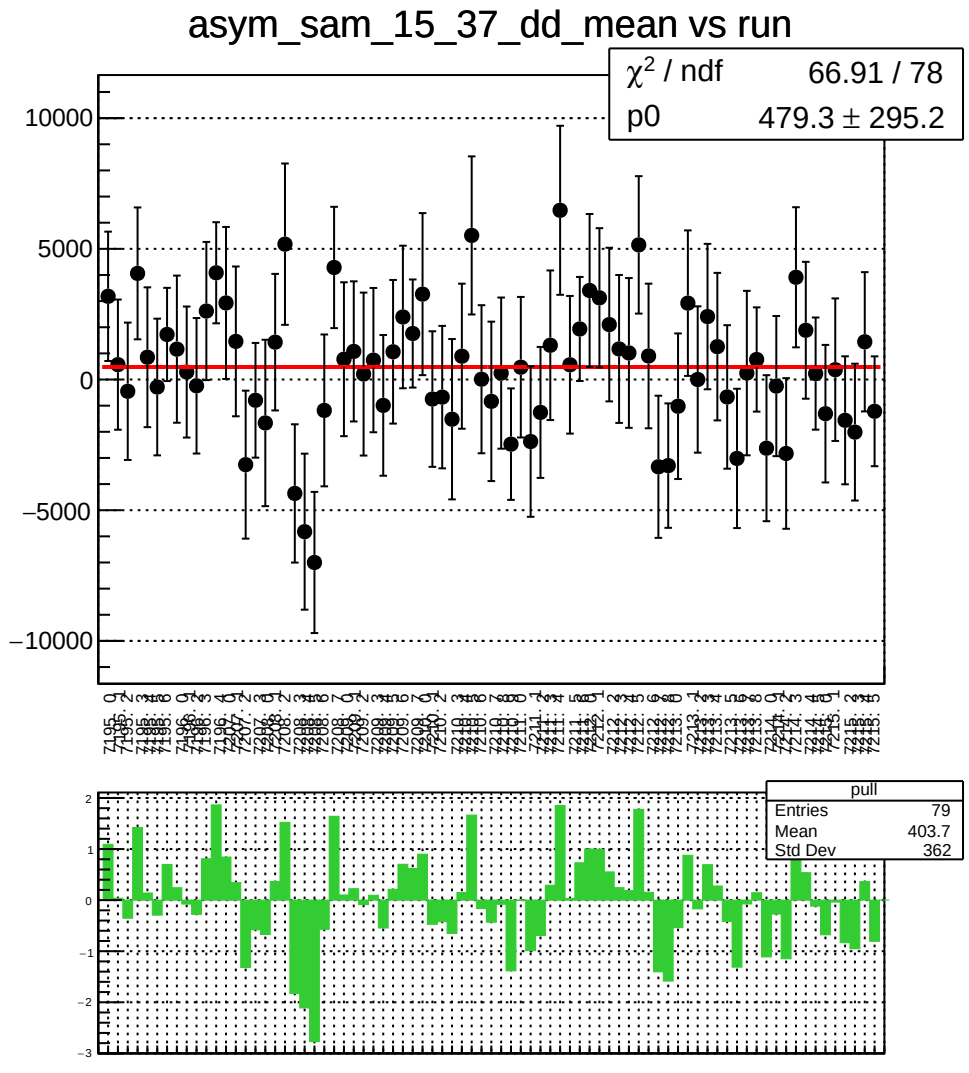

pull1D
Entries 79
Mean 0.004193
Std Dev 1.036

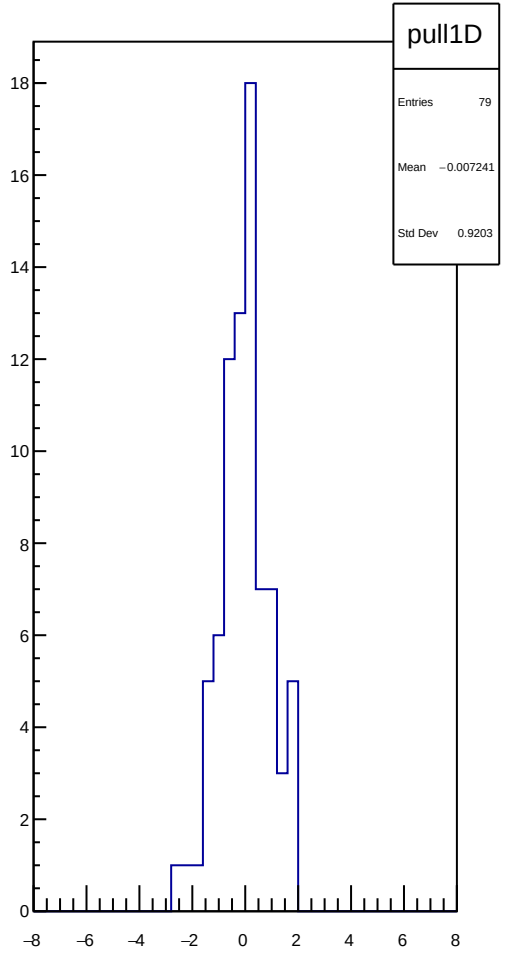

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 1590 / 78
p0 38.05 ± 0.0304
45
44
43
42
41
40
39
38
37
36

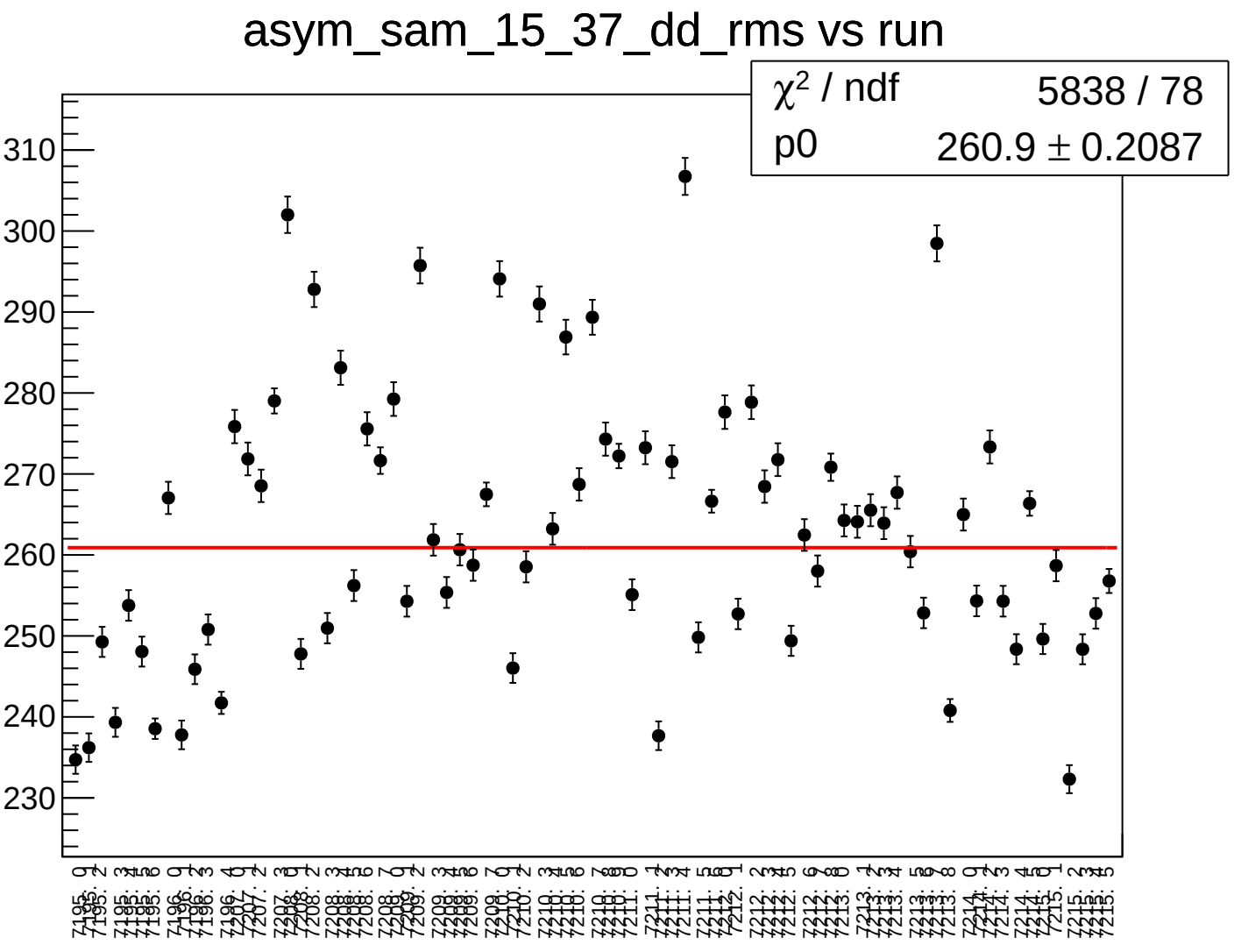

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 66.82 / 78
p0 −609.7 ± 296.3
10000
5000
0
−5000
−10000
pull
Entries 79
Mean 377.3
Std Dev 334.3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

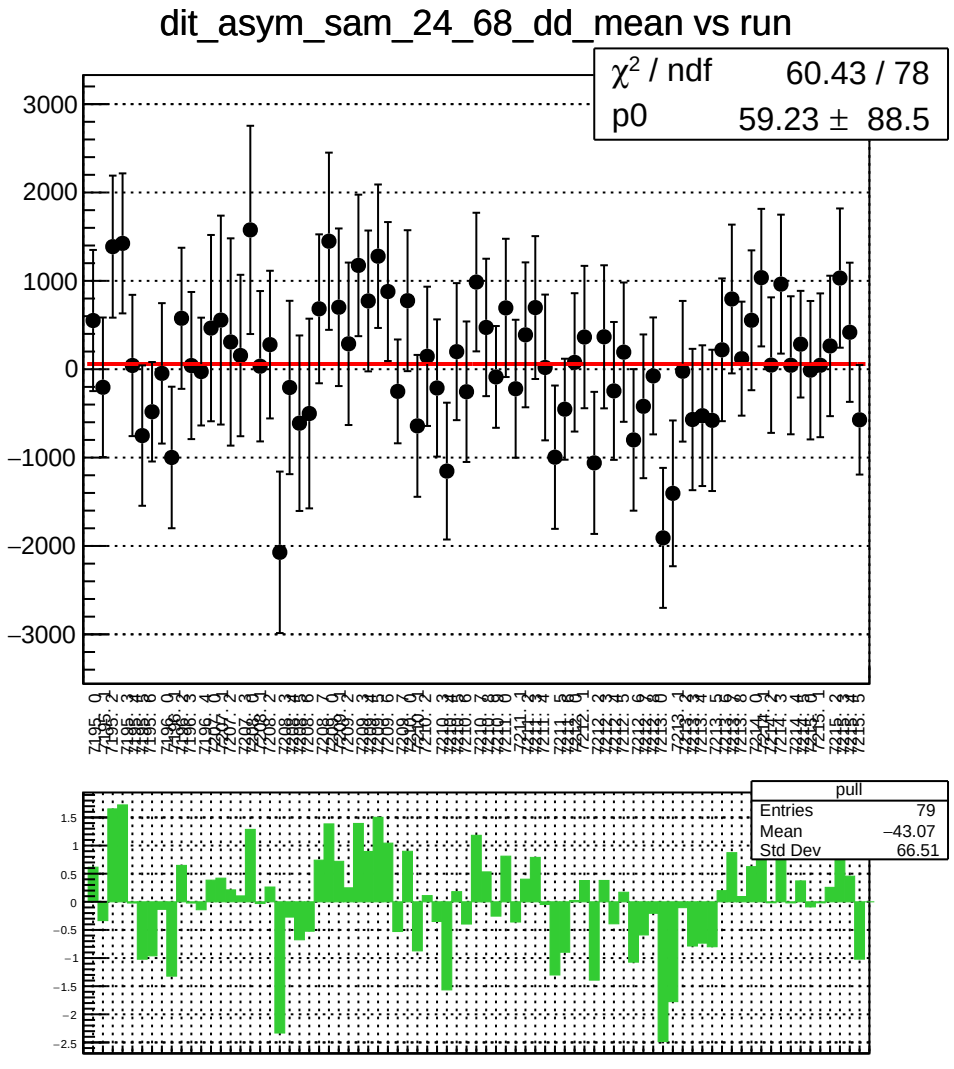

pull1D
Entries 79
Mean 0.006426
Std Dev 0.9197
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

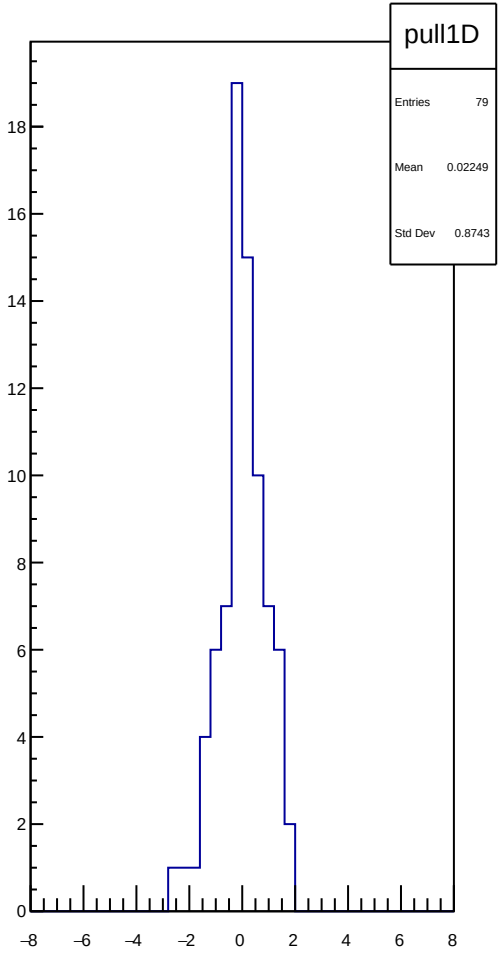

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 4346 / 78
p0 262 ± 0.2095
310
300
290
280
270
260
250
240
230

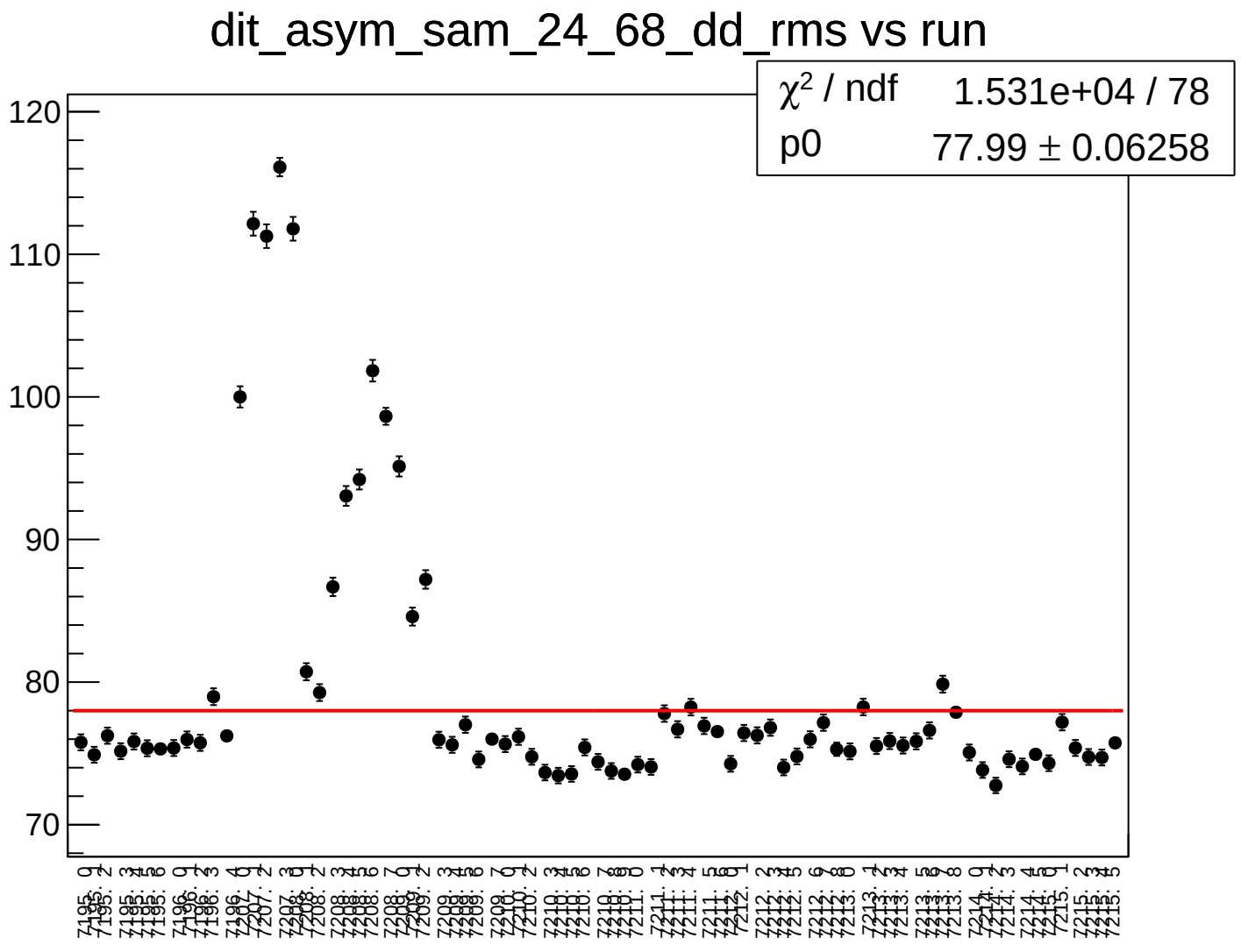

asym_sam_15_37_dd_mean vs run
χ² / ndf 66.91 / 78
p0 479.3 ± 295.2
10000
5000
0
−5000
−10000
pull
Entries 79
Mean 403.7
Std Dev 362
2
1
0
−1
−2
−3

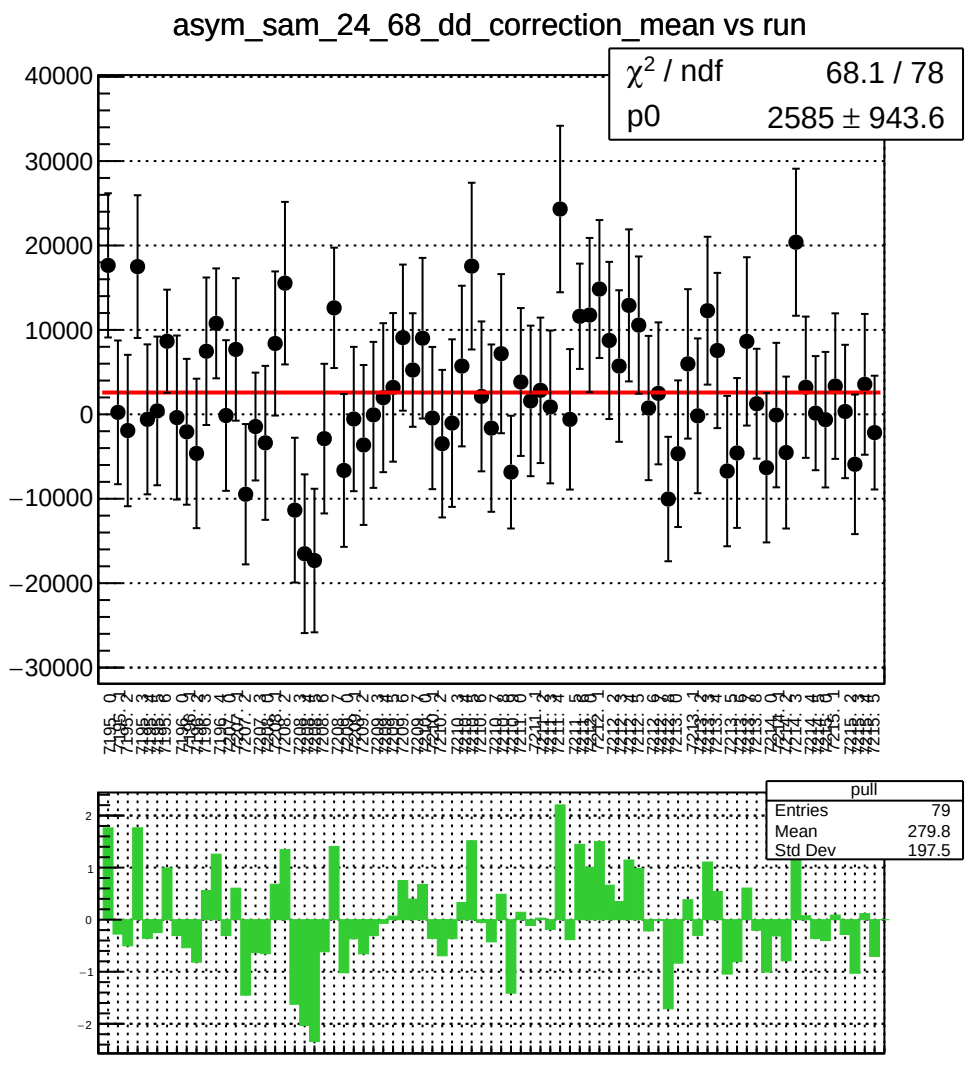

pull1D
Entries 79
Mean −0.007241
Std Dev 0.9203
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

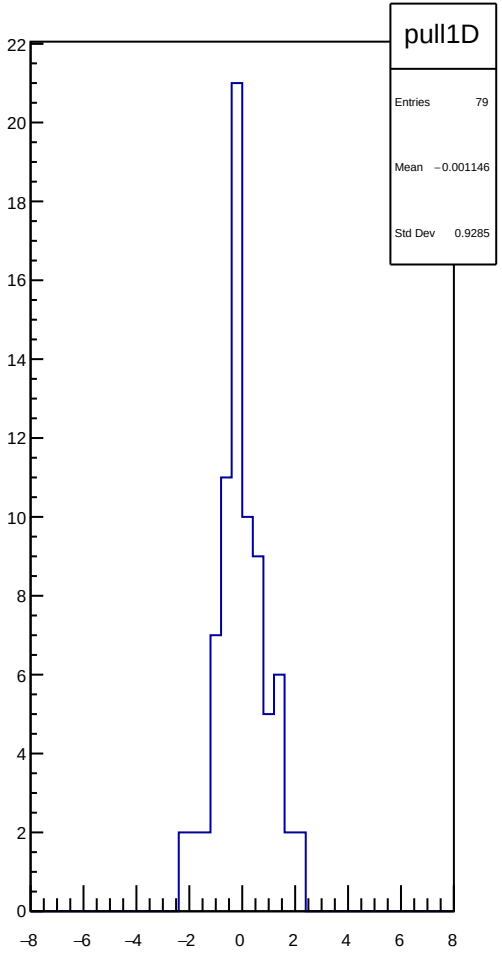

asym_sam_15_37_dd_rms vs run
χ^2 / ndf 5838 / 78
p0 260.9 ± 0.2087
310
300
290
280
270
260
250
240
230

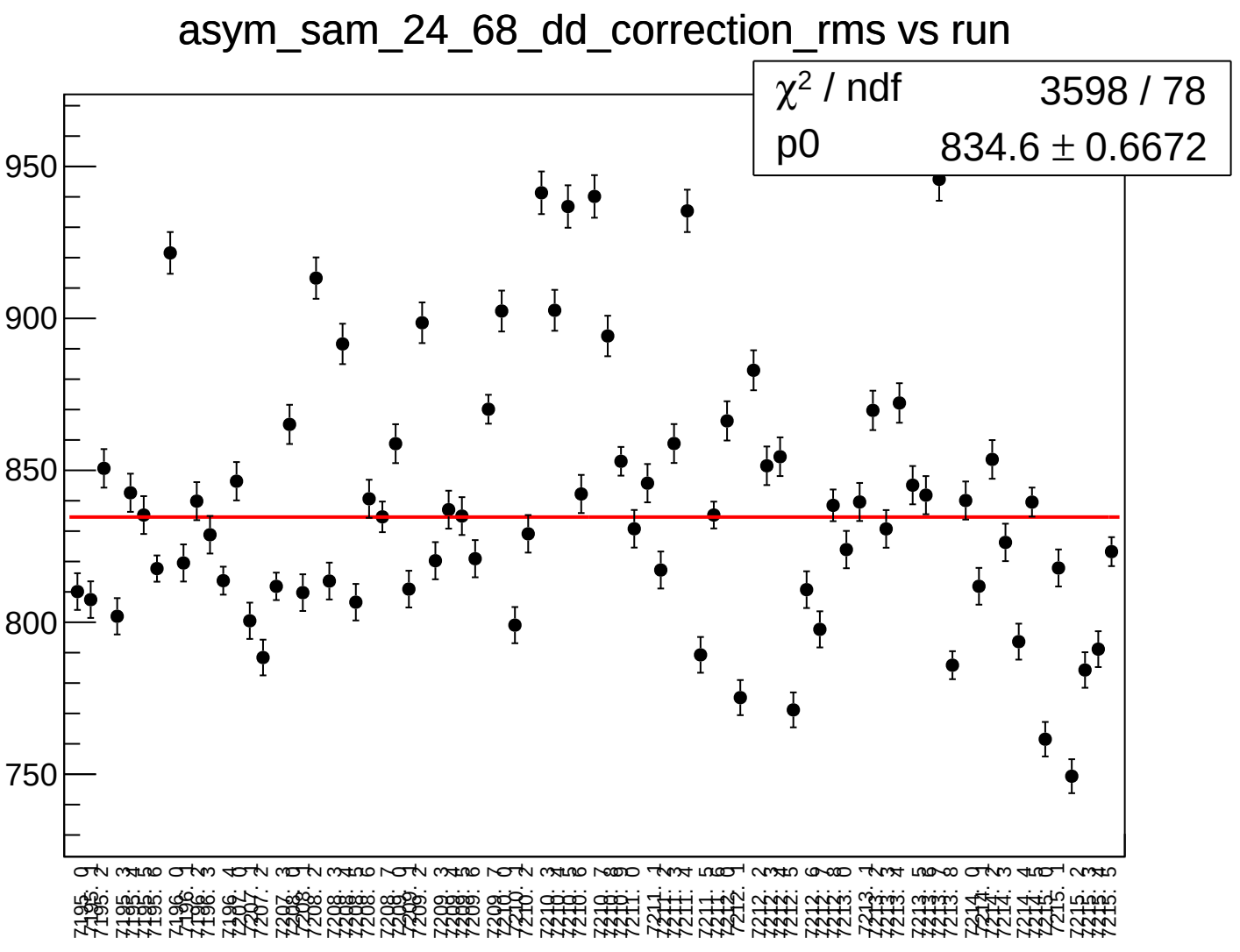

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 60.43 / 78
p0 59.23 ± 88.5
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 79
Mean −43.07
Std Dev 66.51
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

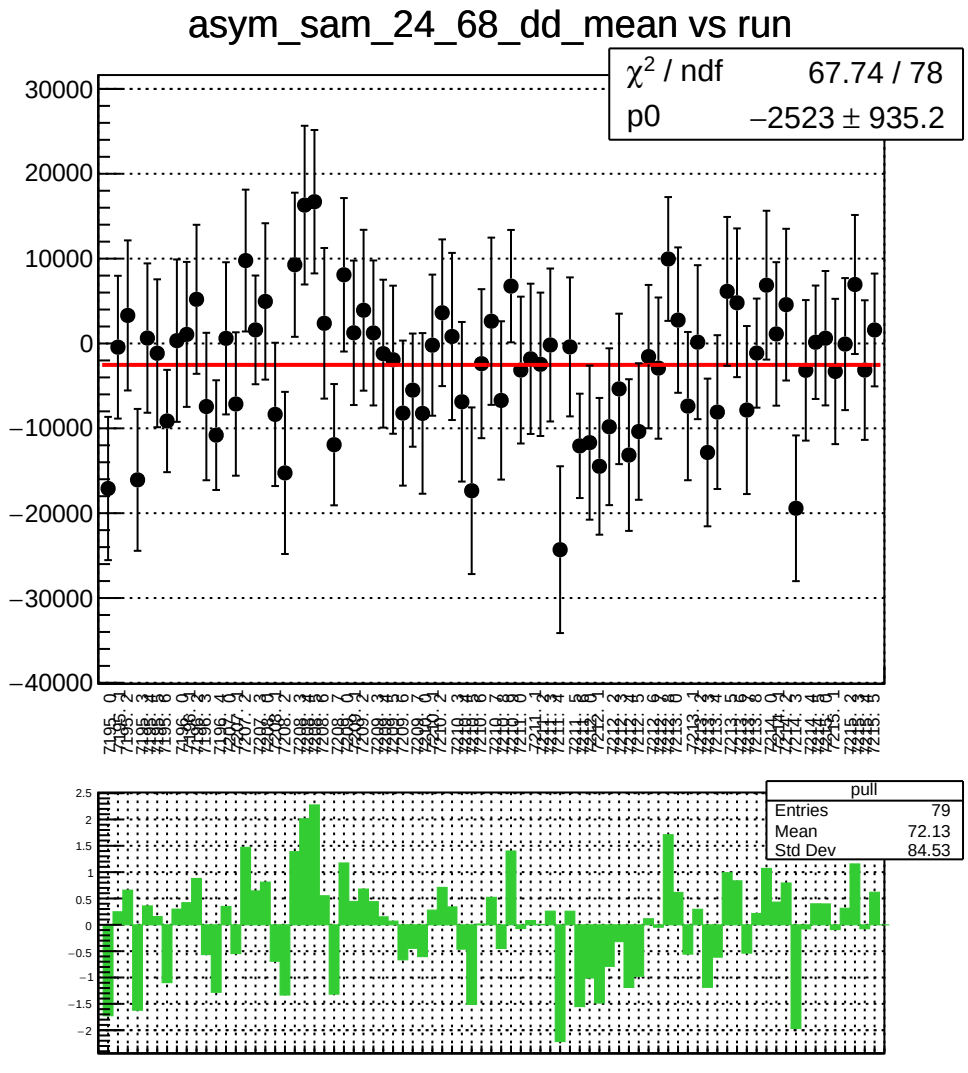

pull1D
Entries 79
Mean 0.02249
Std Dev 0.8743
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

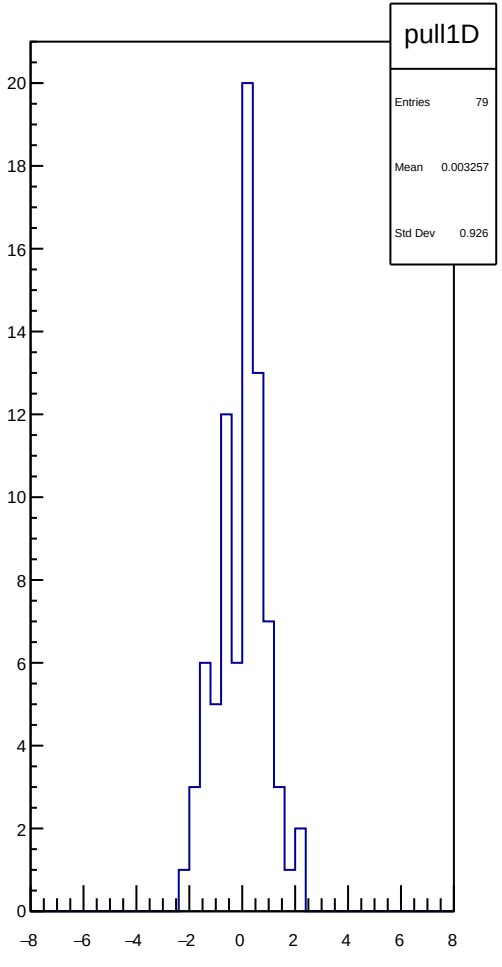

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 1.531e+04 / 78
p0 77.99 ± 0.06258
120
110
100
90
80
70

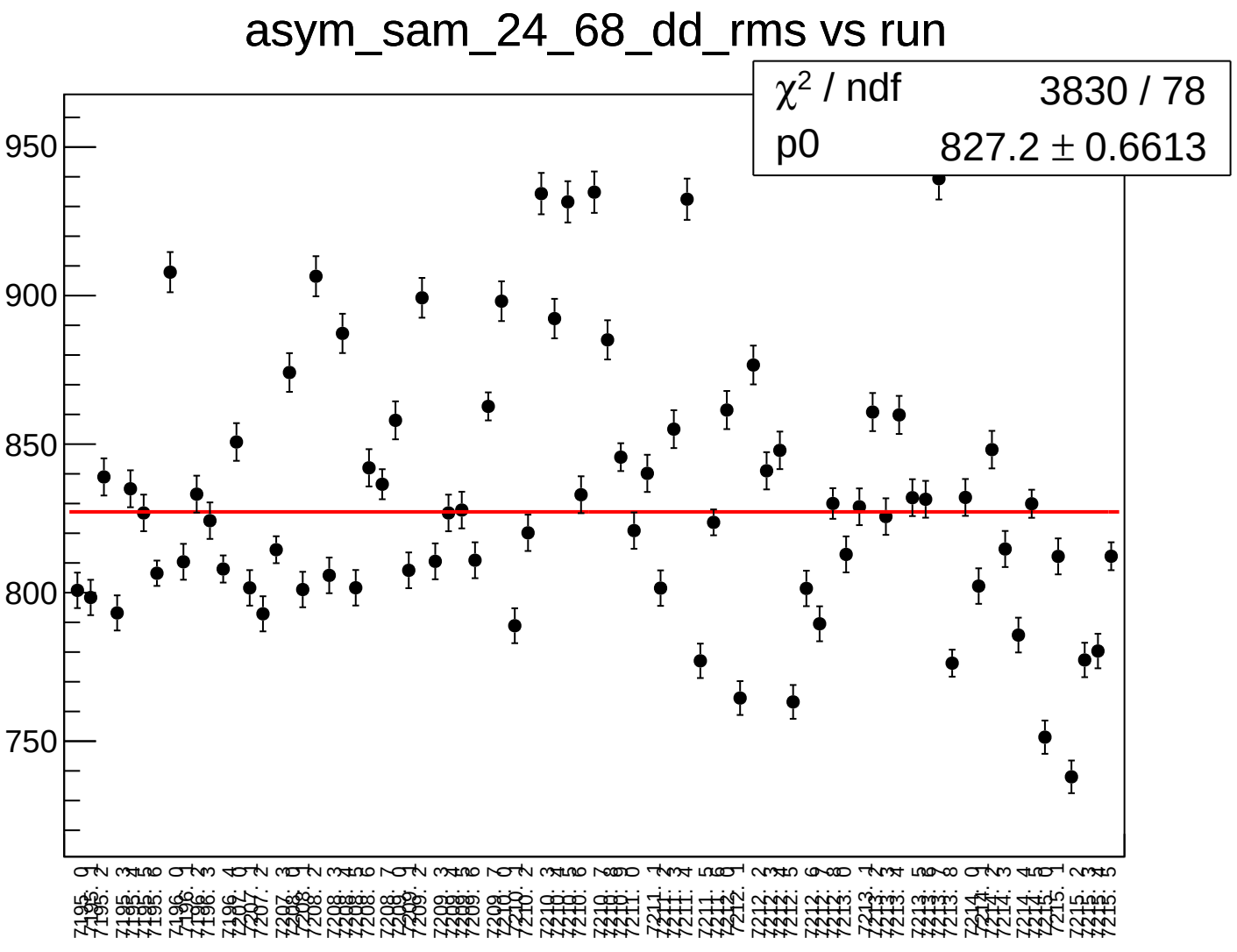

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 68.1 / 78
p0 2585 ± 943.6
pull
Entries 79
Mean 279.8
Std Dev 197.5

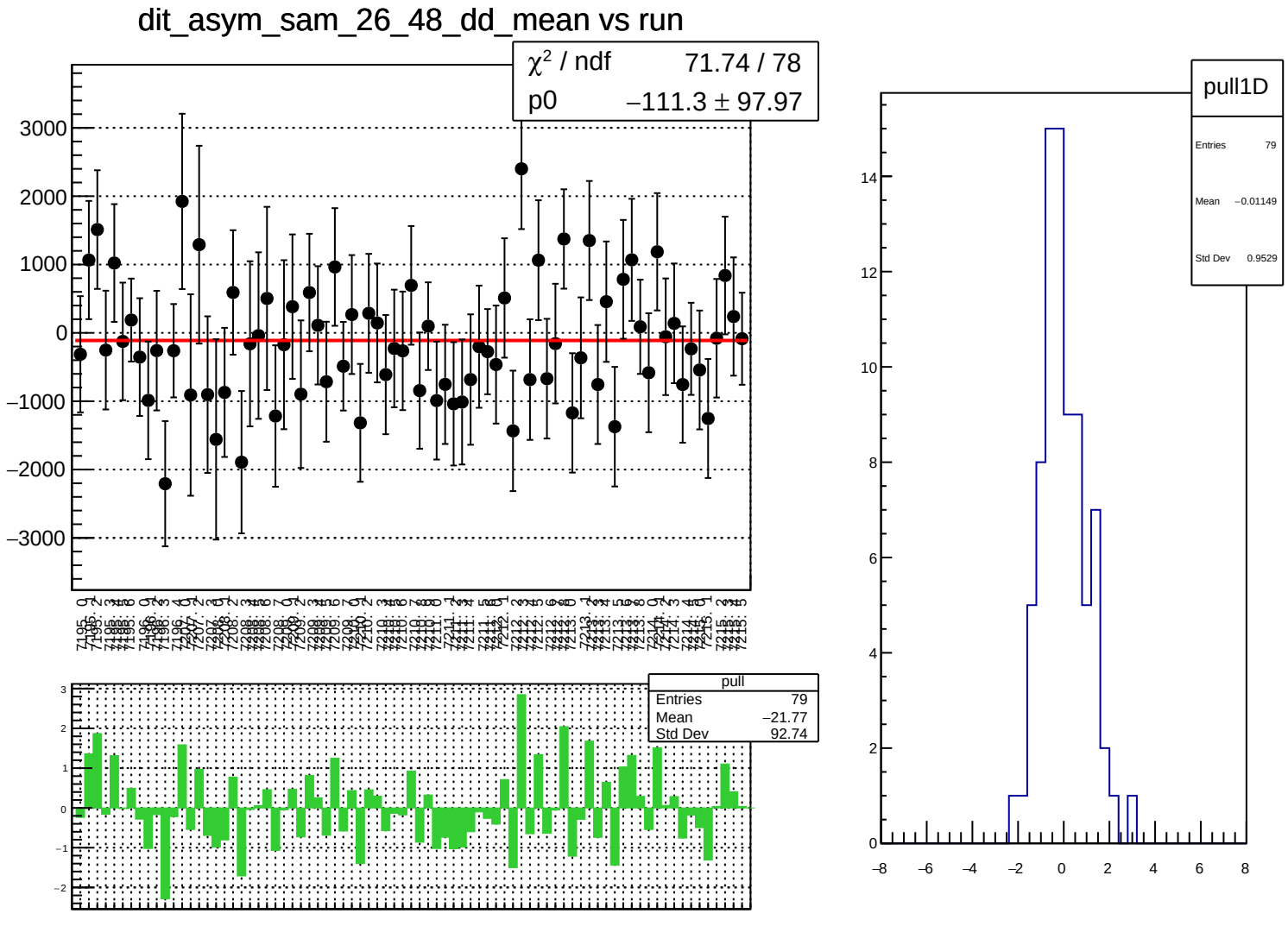

pull1D
Entries 79
Mean −0.001146
Std Dev 0.9285

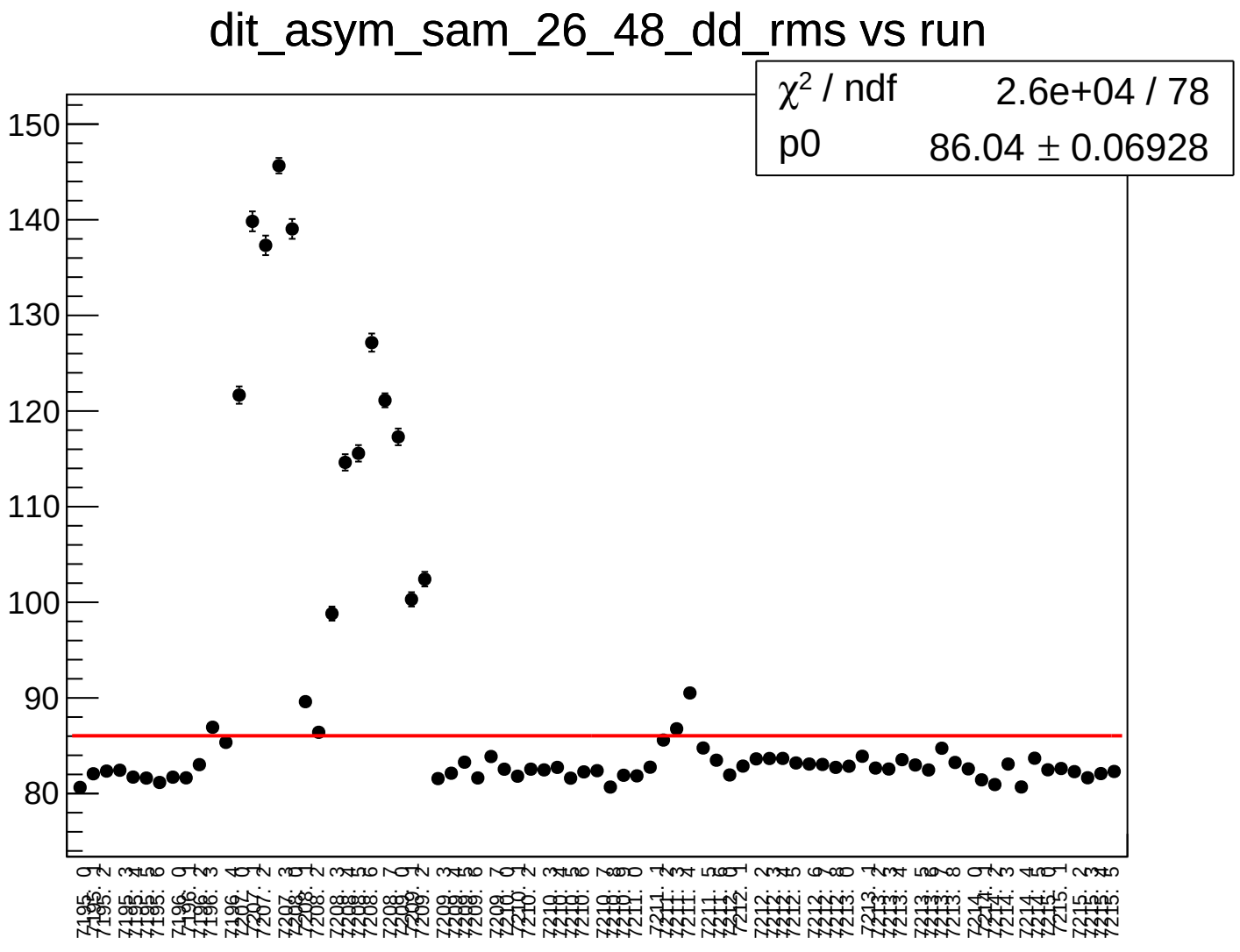

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 3598 / 78
p0 834.6 ± 0.6672
950
900
850
800
750

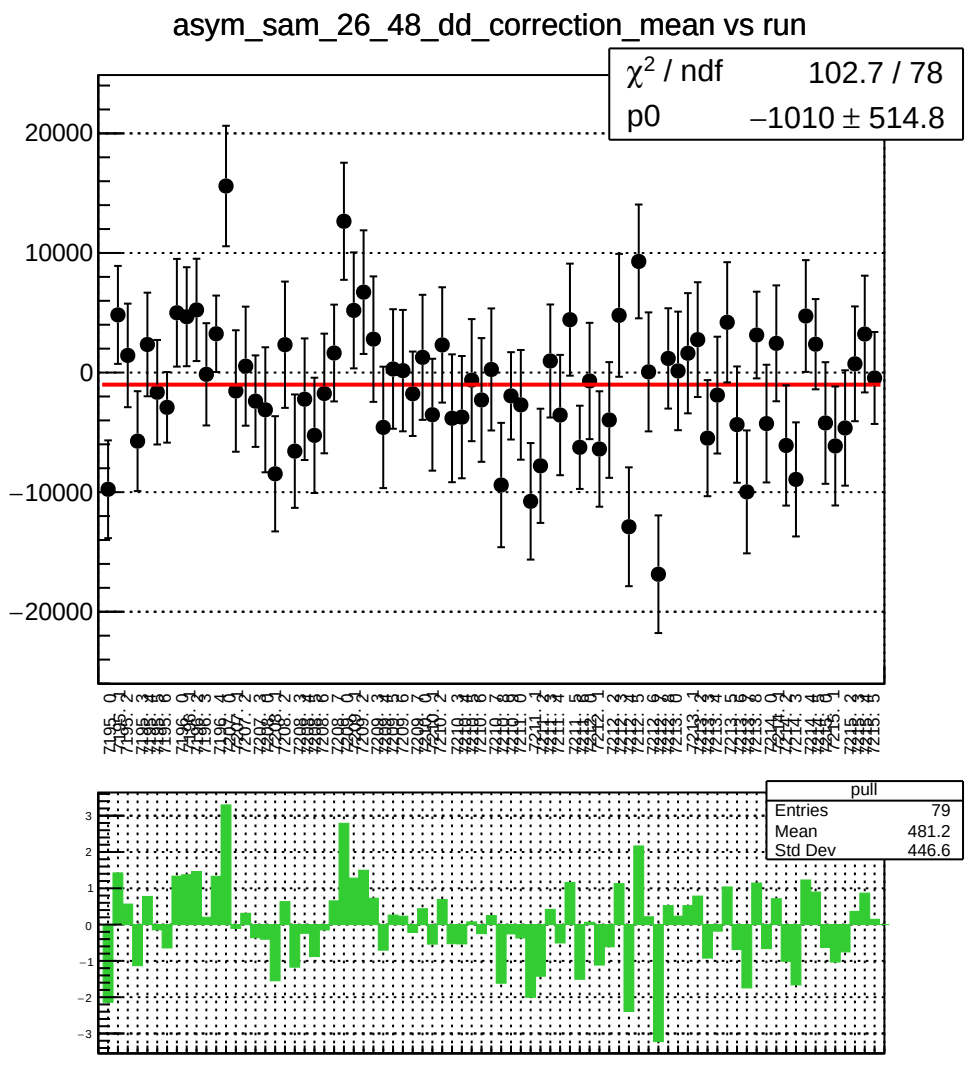

asym_sam_24_68_dd_mean vs run
χ² / ndf 67.74 / 78
p0 −2523 ± 935.2
pull
Entries 79
Mean 72.13
Std Dev 84.53

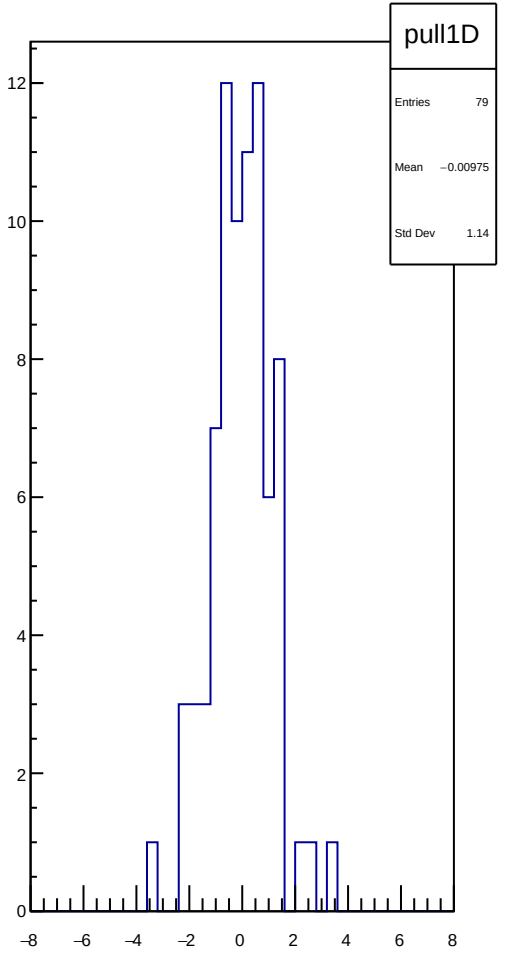

pull1D
Entries 79
Mean 0.003257
Std Dev 0.926

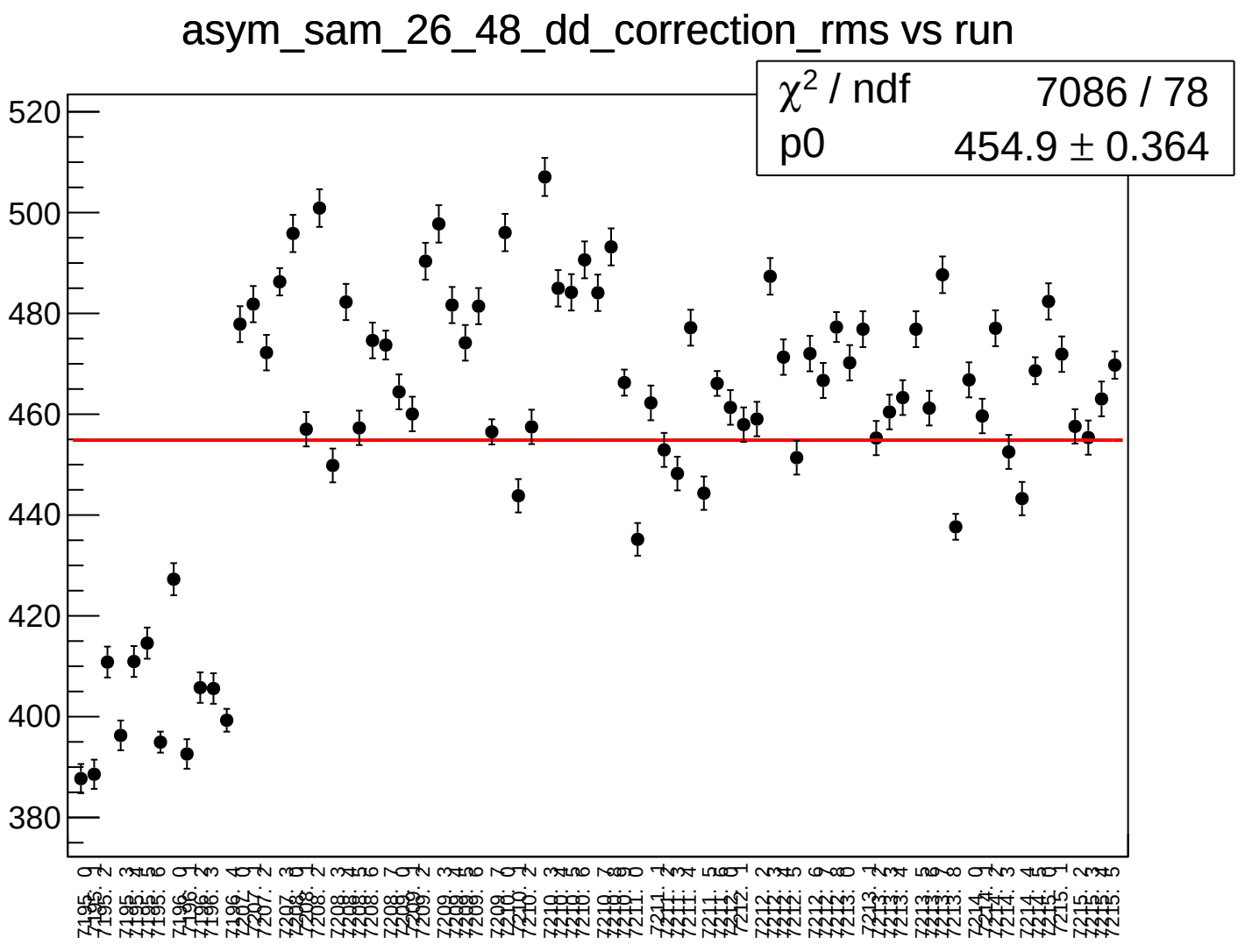

asym_sam_24_68_dd_rms vs run
χ² / ndf 3830 / 78
p0 827.2 ± 0.6613
950
900
850
800
750

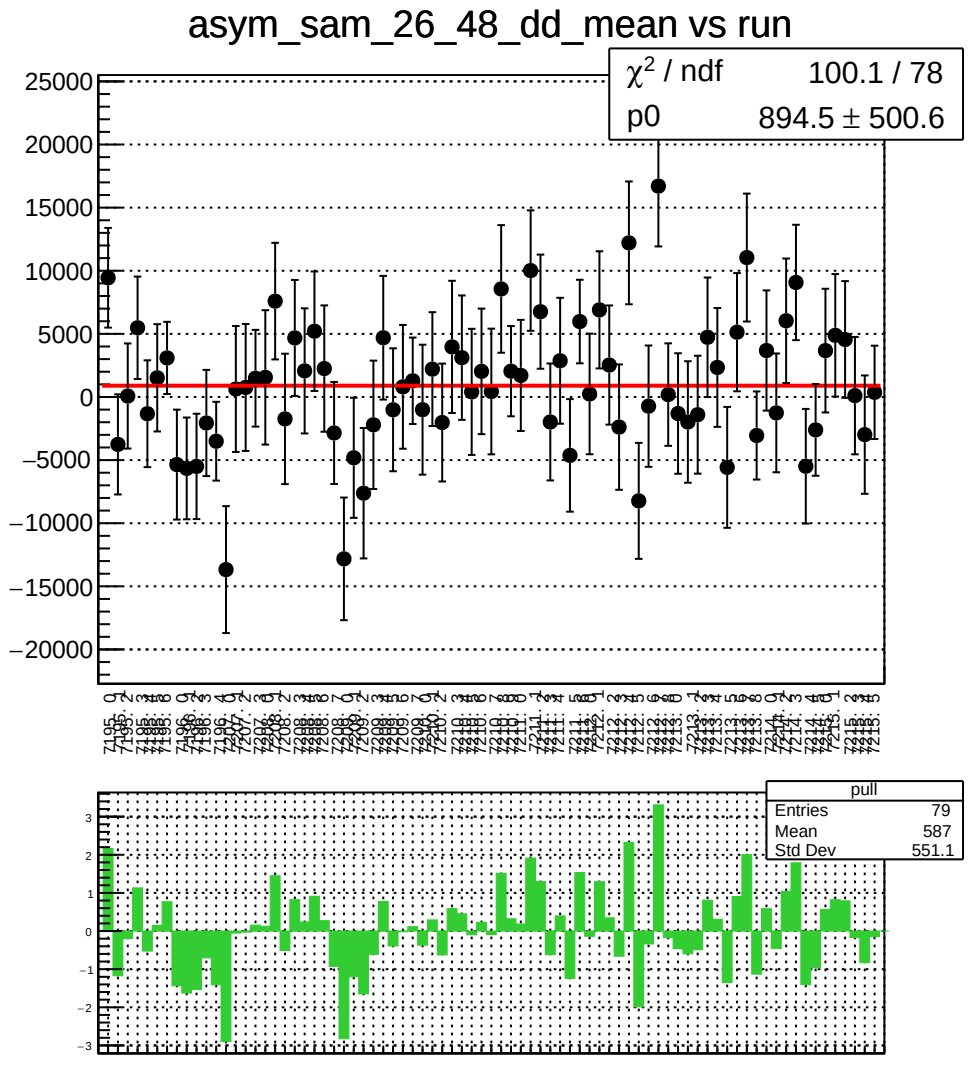

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 71.74 / 78
p0 −111.3 ± 97.97
pull
Entries 79
Mean −21.77
Std Dev 92.74
pull1D
Entries 79
Mean −0.01149
Std Dev 0.9529

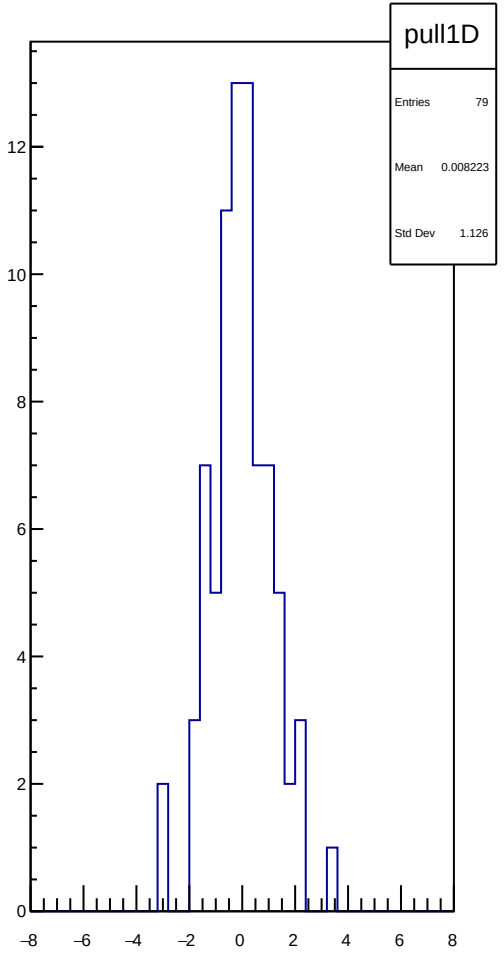

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 2.6e+04 / 78
p0 86.04 ± 0.06928
150
140
130
120
110
100
90
80

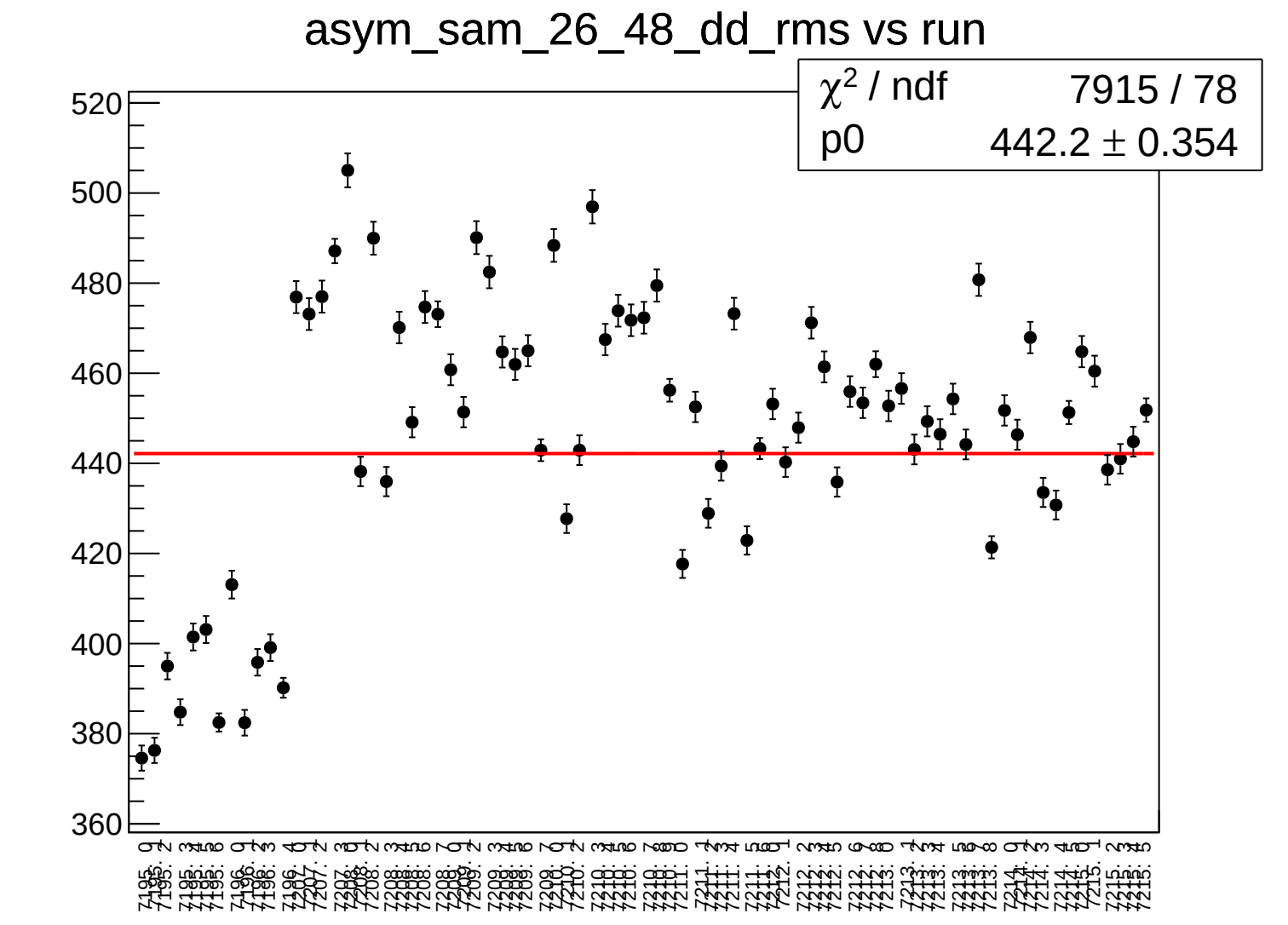

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 102.7 / 78
p0 −1010 ± 514.8
20000
10000
0
−10000
−20000
pull
Entries 79
Mean 481.2
Std Dev 446.6
3
2
1
0
−1
−2
−3

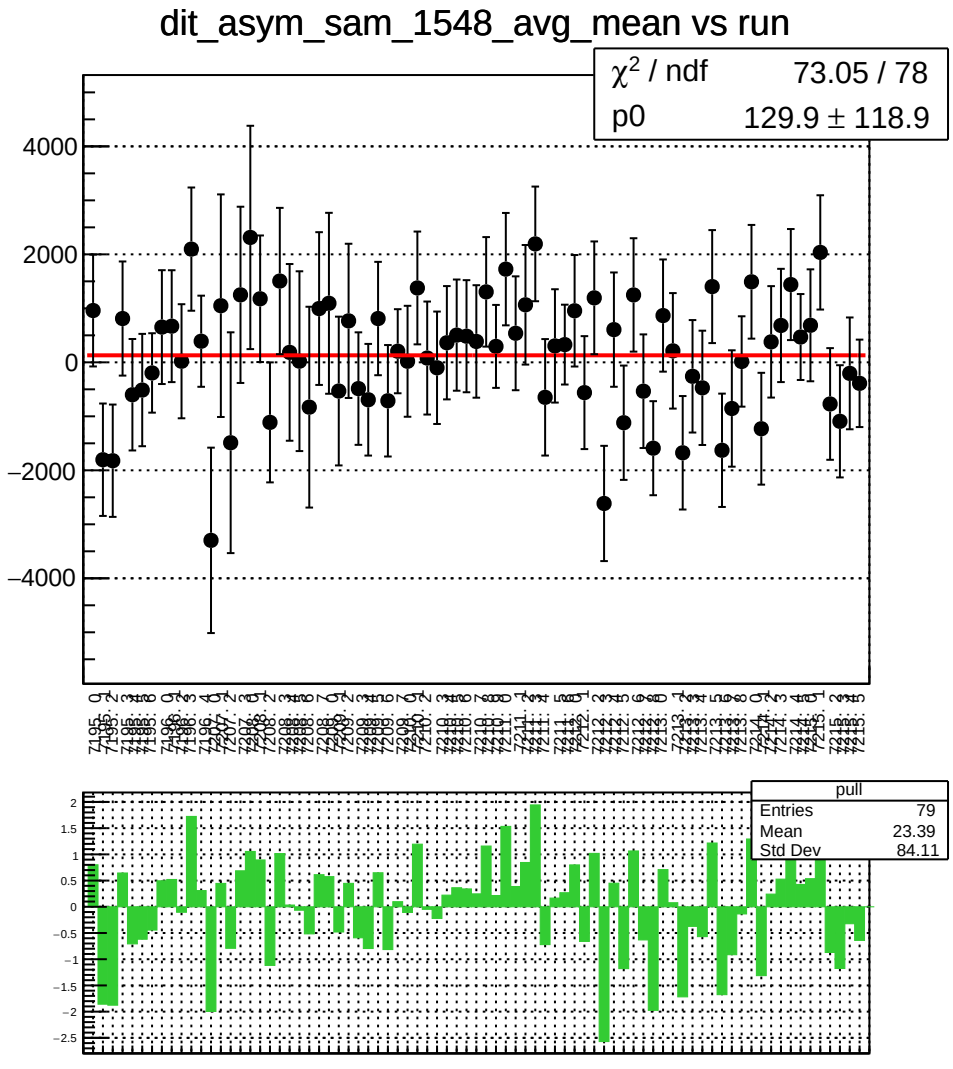

pull1D
Entries 79
Mean −0.00975
Std Dev 1.14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

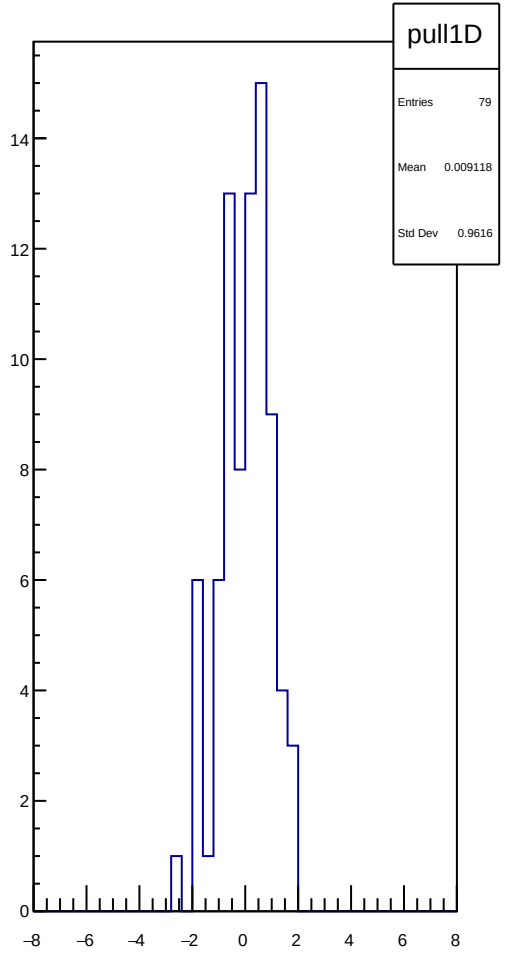

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 7086 / 78
p0 454.9 ± 0.364
520
500
480
460
440
420
400
380

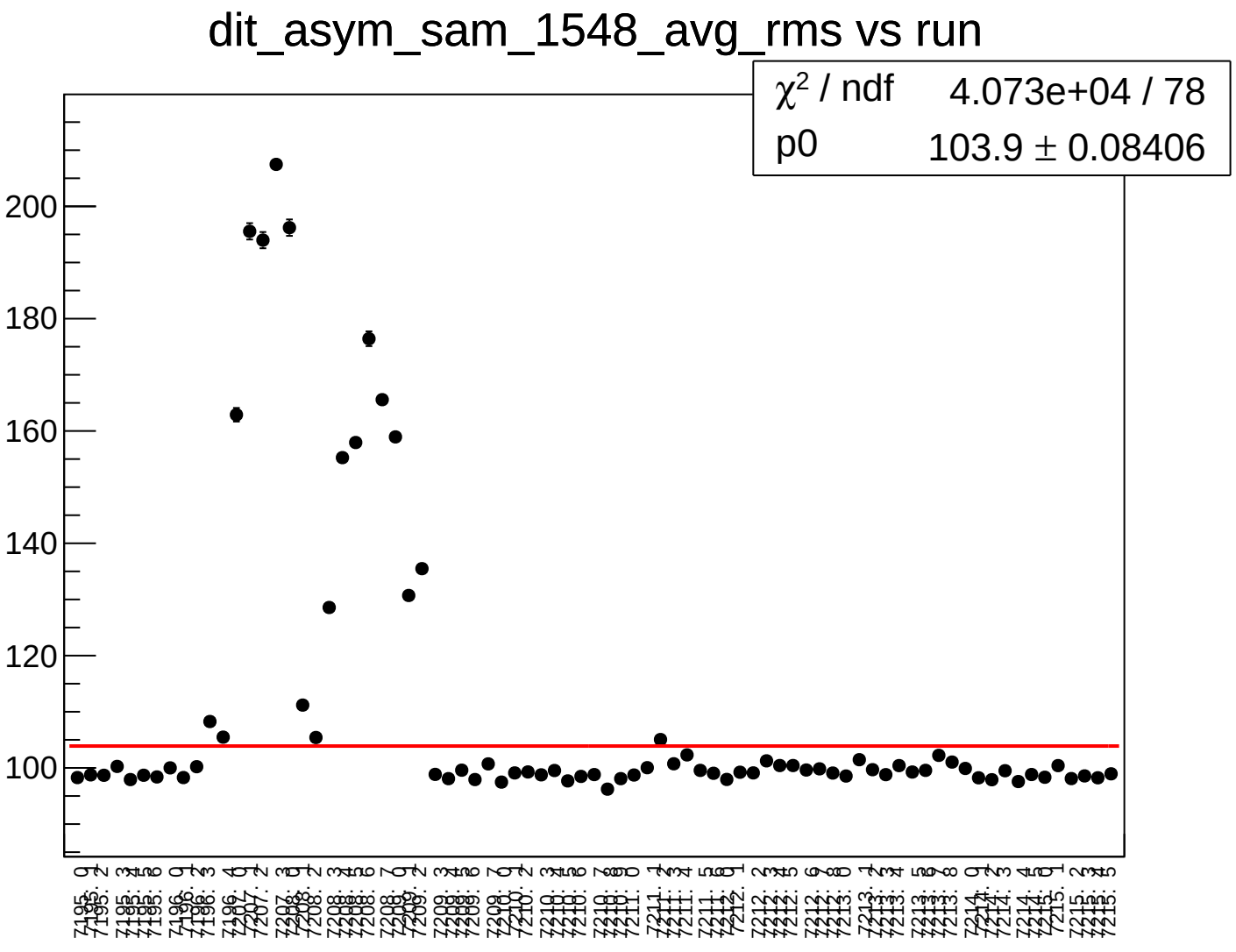

asym_sam_26_48_dd_mean vs run
χ² / ndf 100.1 / 78
p0 894.5 ± 500.6
pull
Entries 79
Mean 587
Std Dev 551.1

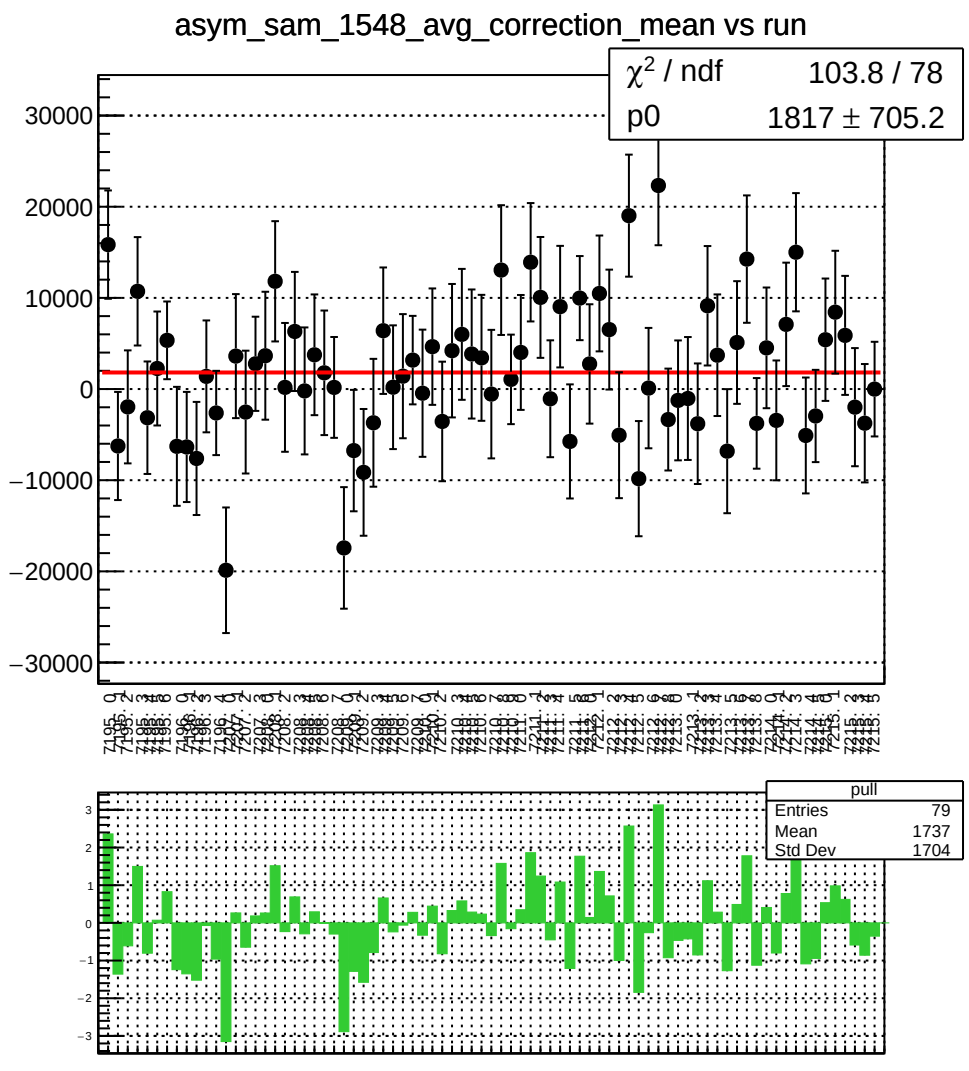

pull1D
Entries 79
Mean 0.008223
Std Dev 1.126

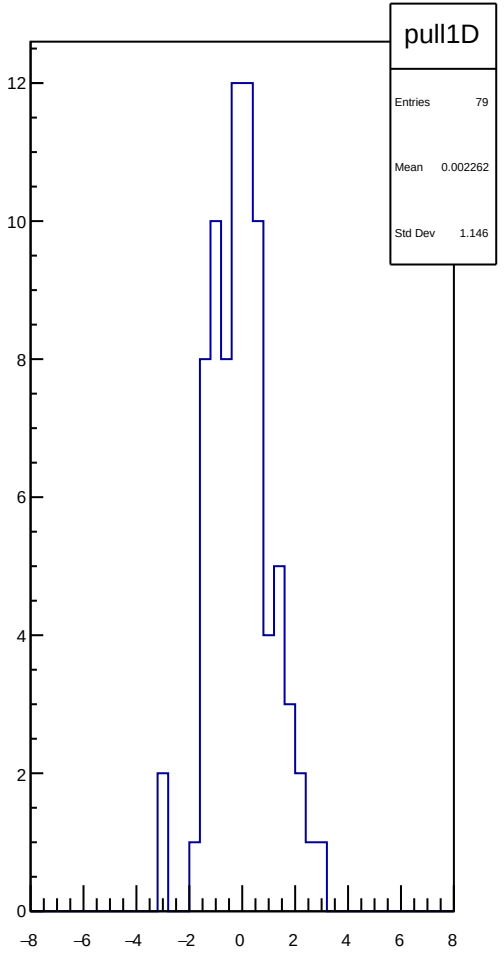

asym_sam_26_48_dd_rms vs run
χ² / ndf 7915 / 78
p0 442.2 ± 0.354
520
500
480
460
440
420
400
380
360

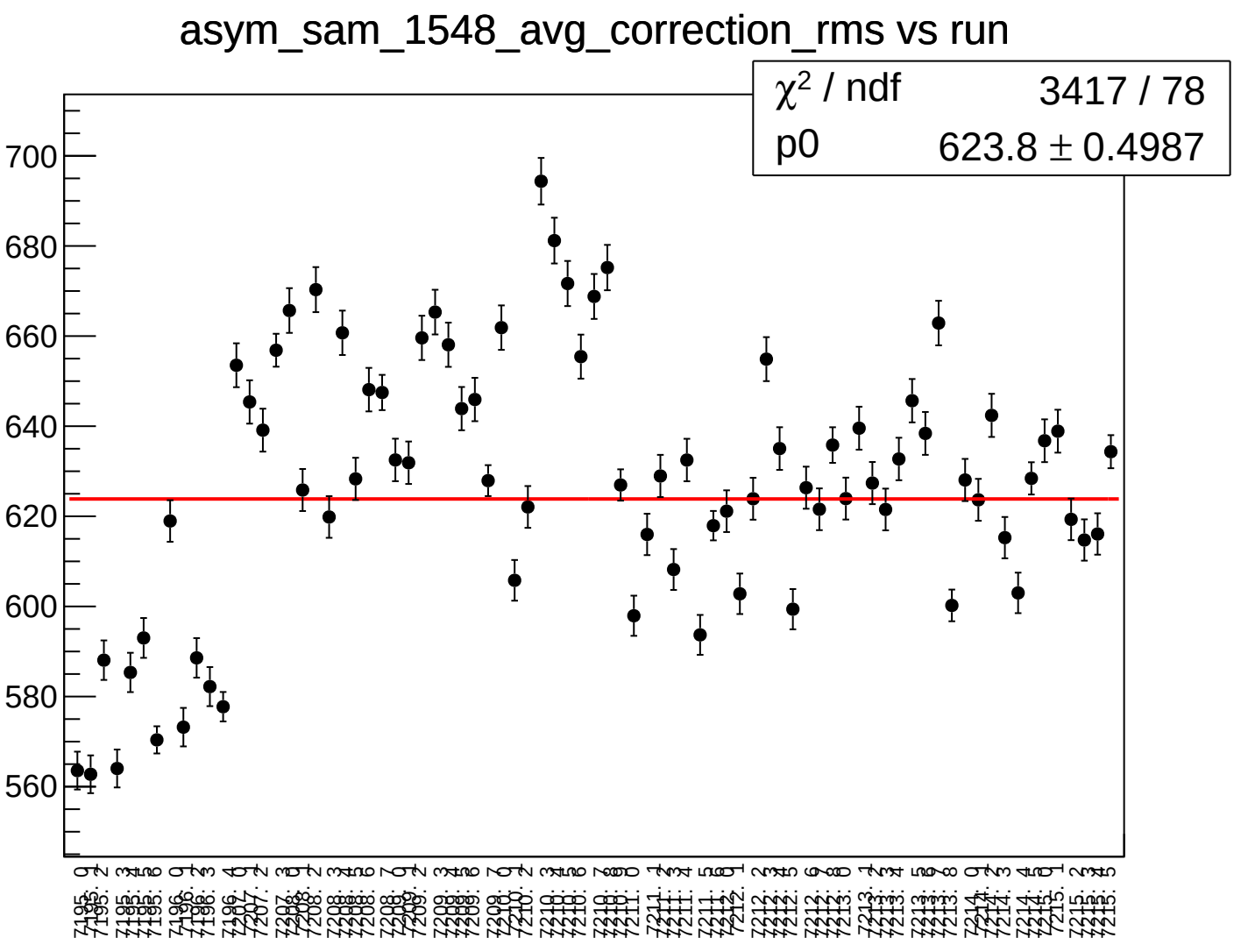

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 73.05 / 78
p0 129.9 ± 118.9
4000
2000
0
−2000
−4000
pull
Entries 79
Mean 23.39
Std Dev 84.11
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

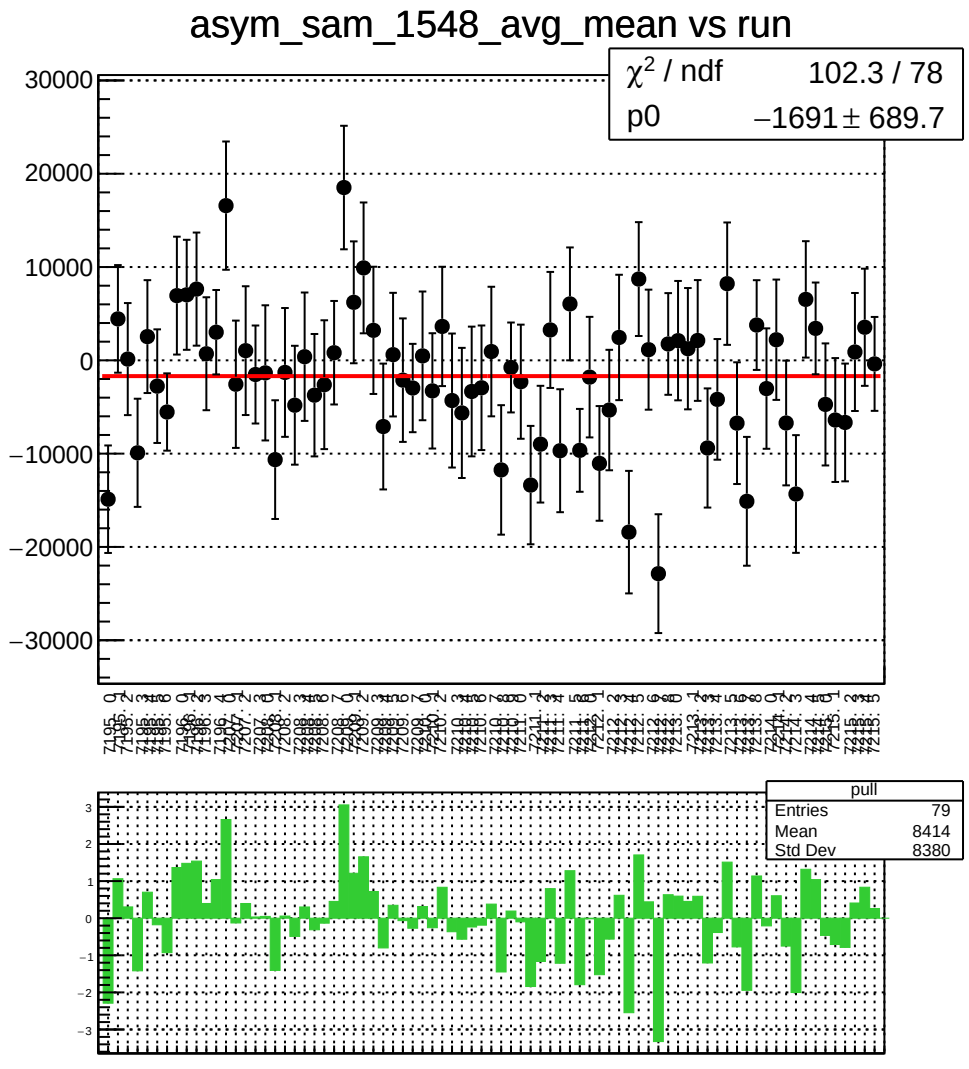

pull1D
Entries 79
Mean 0.009118
Std Dev 0.9616
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

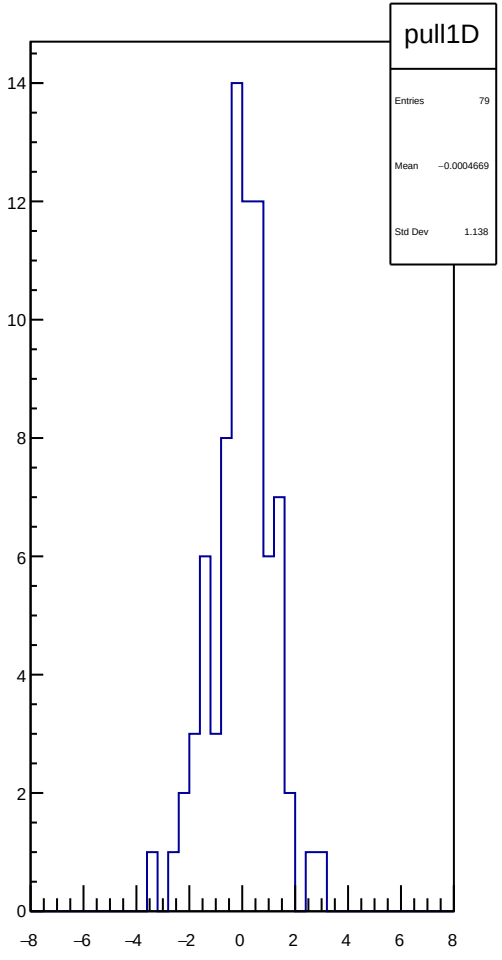

dit_asym_sam_1548_avg_rms vs run
χ^2 / ndf 4.073e+04 / 78
p0 103.9 ± 0.08406
200
180
160
140
120
100

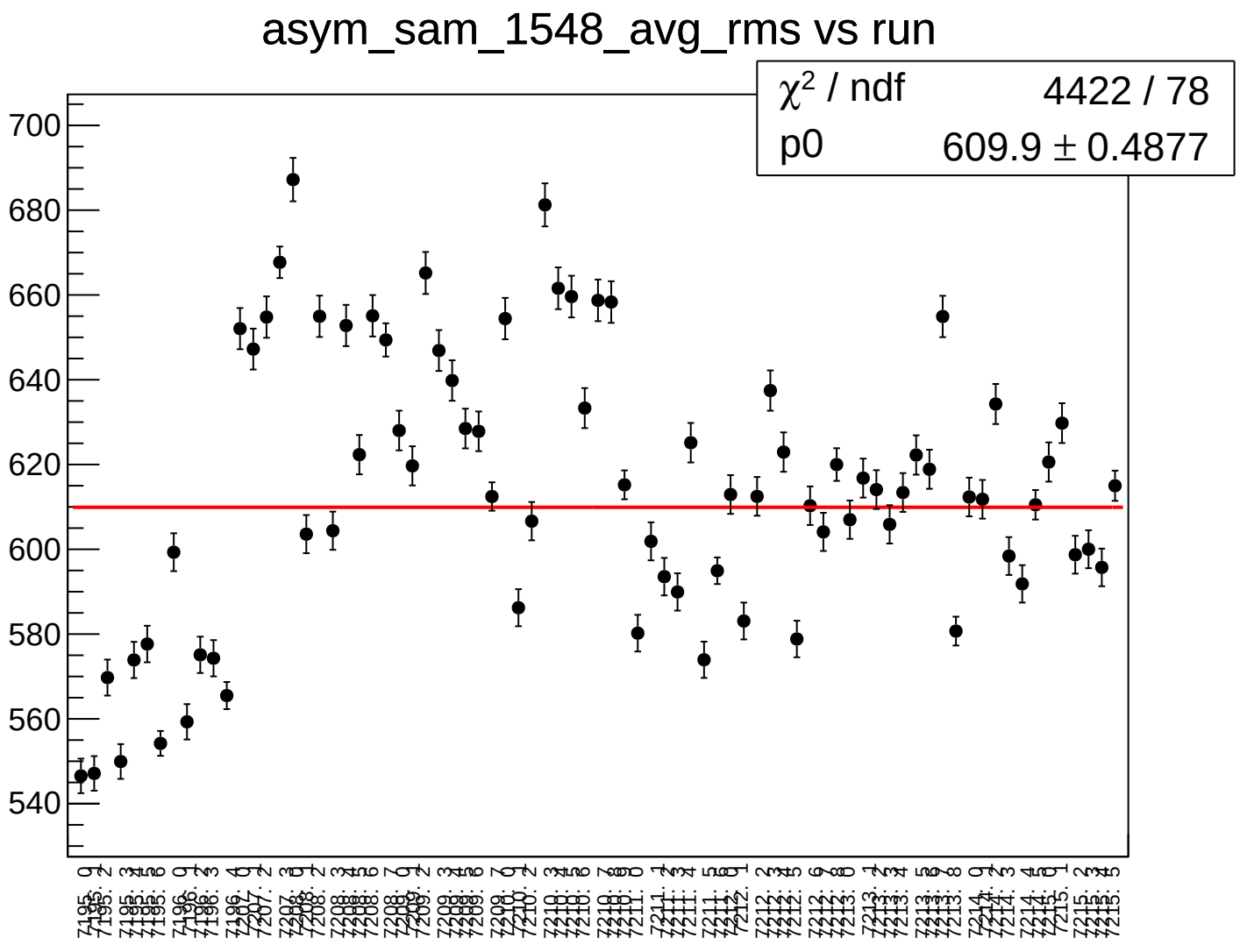

asym_sam_1548_avg_correction_mean vs run
χ^2 / ndf 103.8 / 78
p0 1817 ± 705.2
pull
Entries 79
Mean 1737
Std Dev 1704

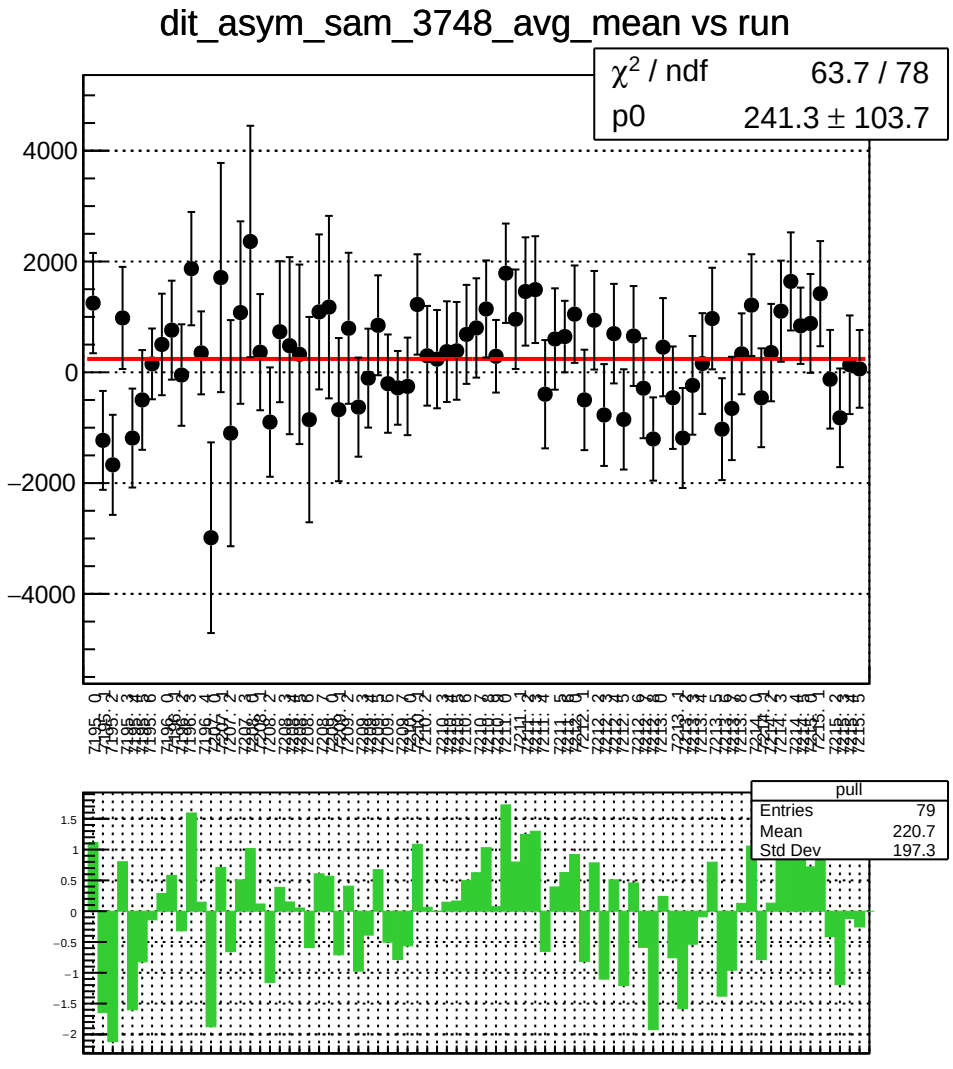

pull1D
Entries 79
Mean 0.002262
Std Dev 1.146

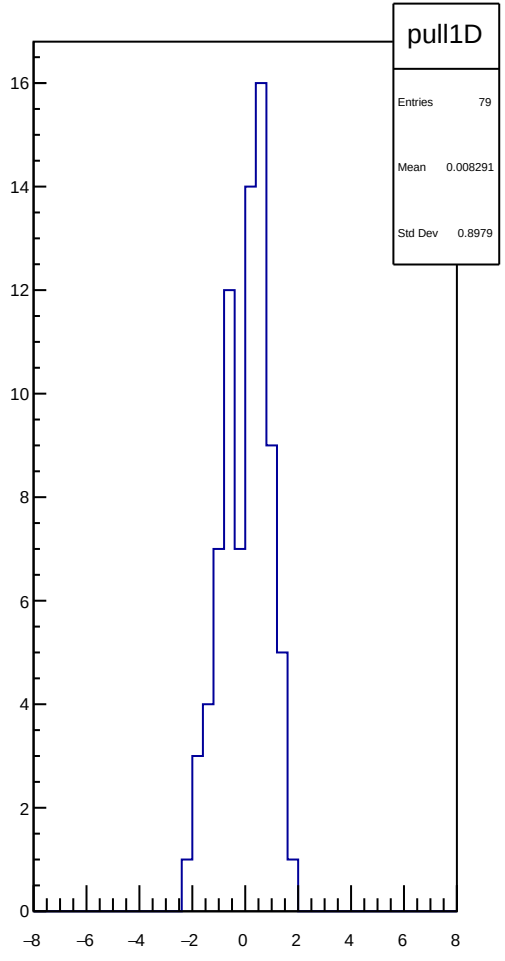

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 3417 / 78
p0 623.8 ± 0.4987
700
680
660
640
620
600
580
560

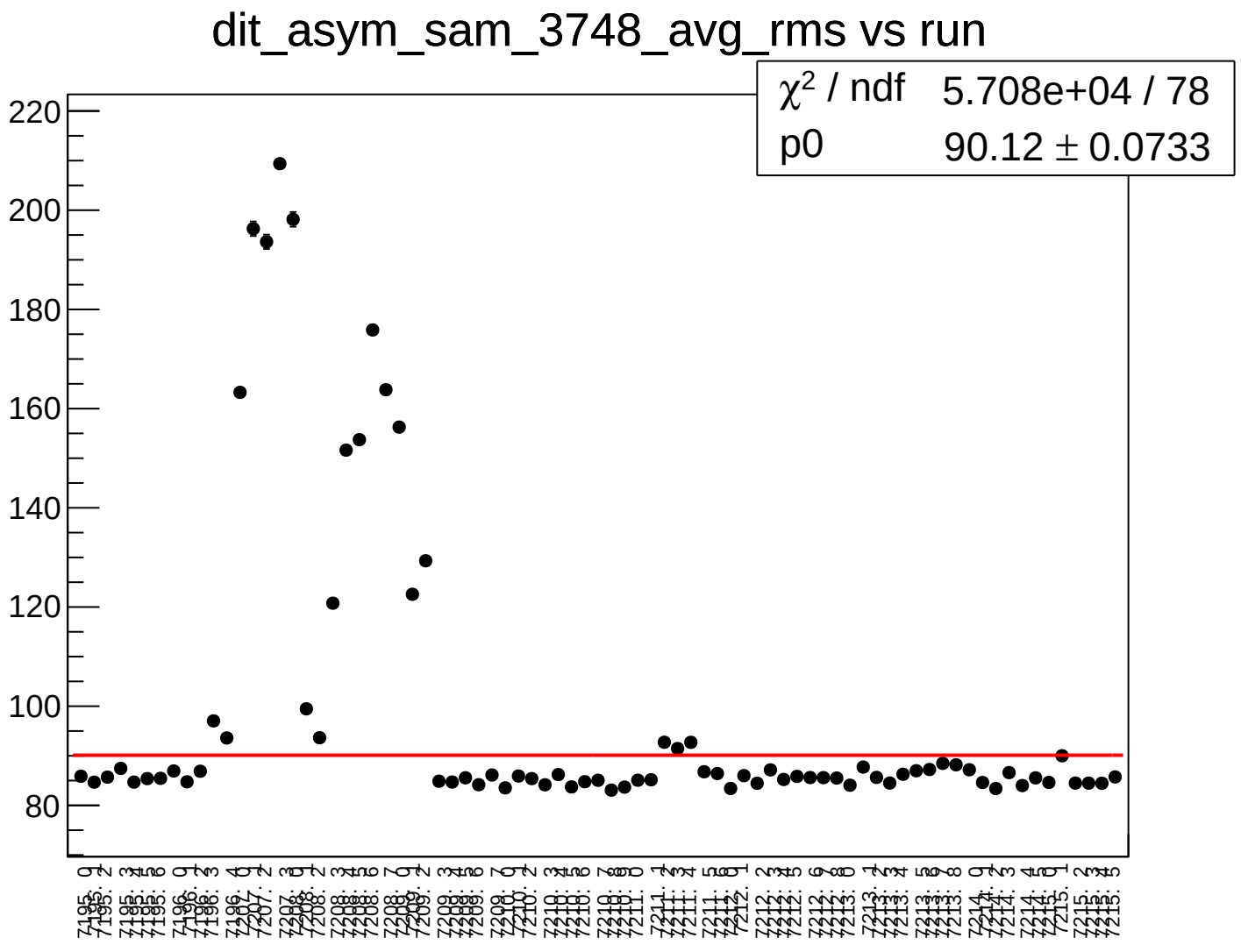

asym_sam_1548_avg_mean vs run
χ² / ndf 102.3 / 78
p0 −1691 ± 689.7
pull
Entries 79
Mean 8414
Std Dev 8380

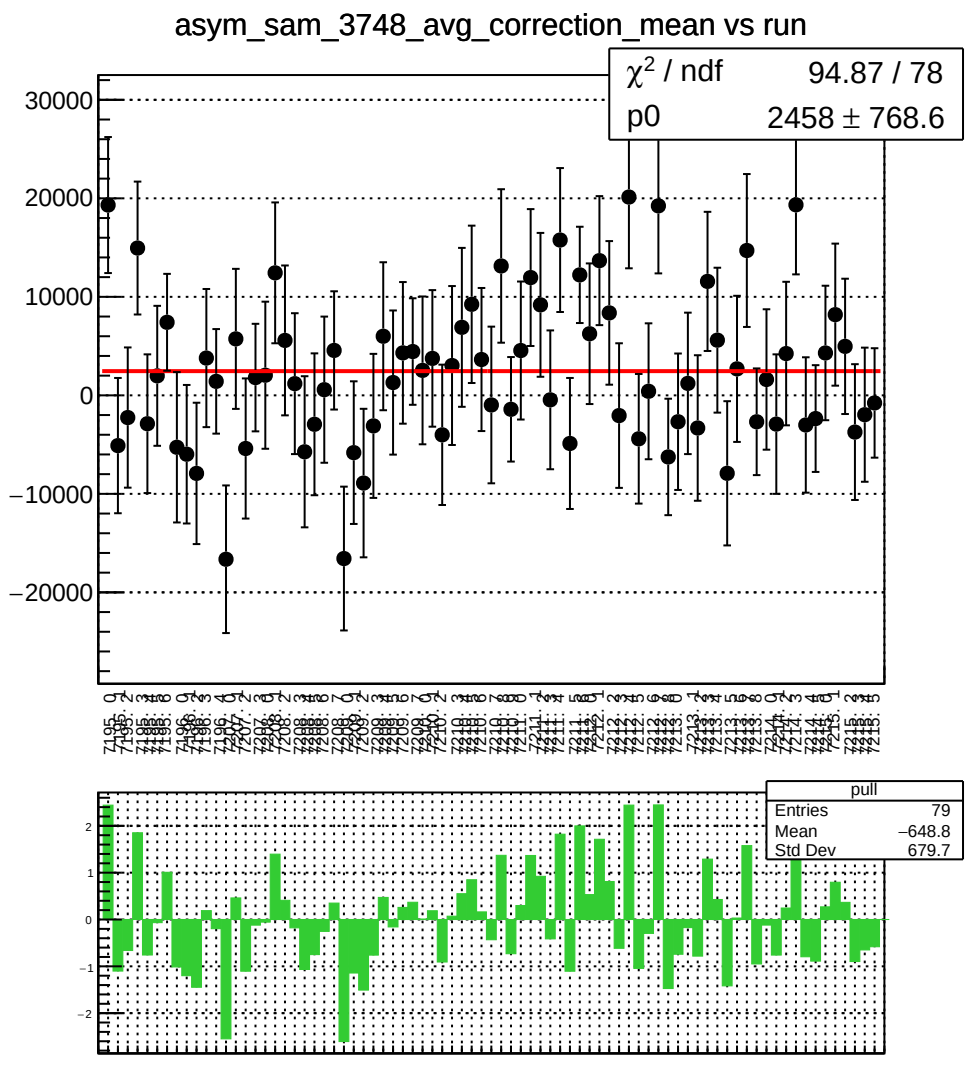

pull1D
Entries 79
Mean −0.0004669
Std Dev 1.138

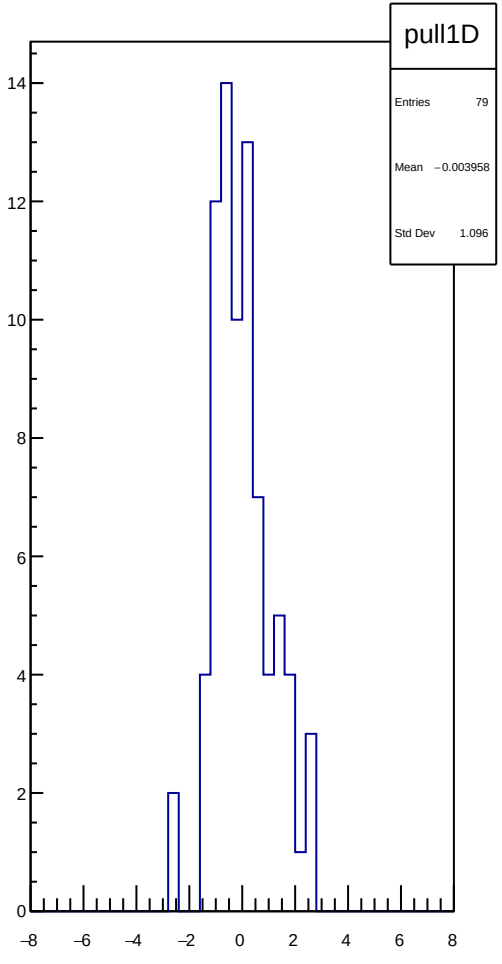

asym_sam_1548_avg_rms vs run
χ² / ndf 4422 / 78
p0 609.9 ± 0.4877
700
680
660
640
620
600
580
560
540

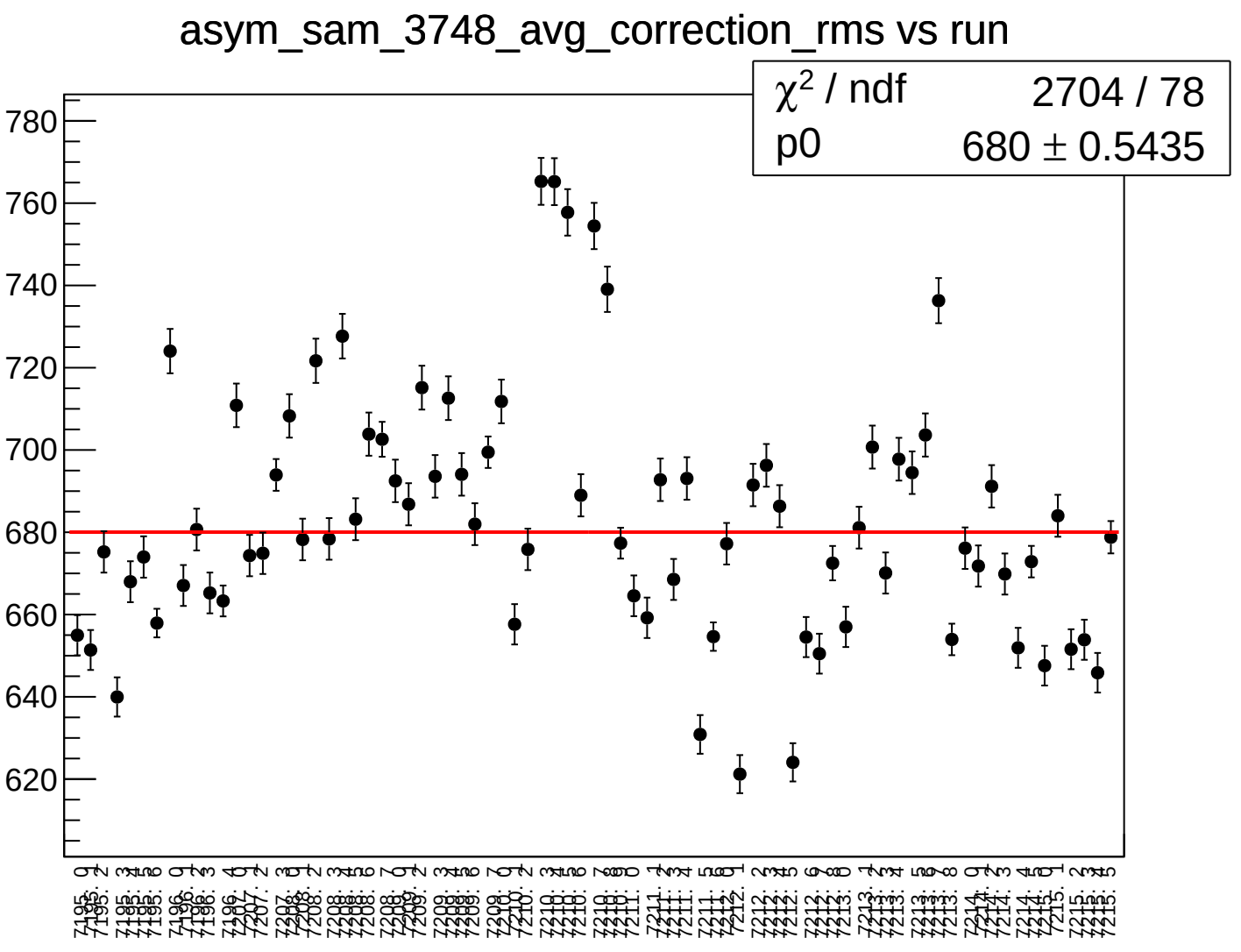

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 63.7 / 78
p0 241.3 ± 103.7
4000
2000
0
−2000
−4000
pull
Entries 79
Mean 220.7
Std Dev 197.3
1.5
1
0.5
0
−0.5
−1
−1.5
−2

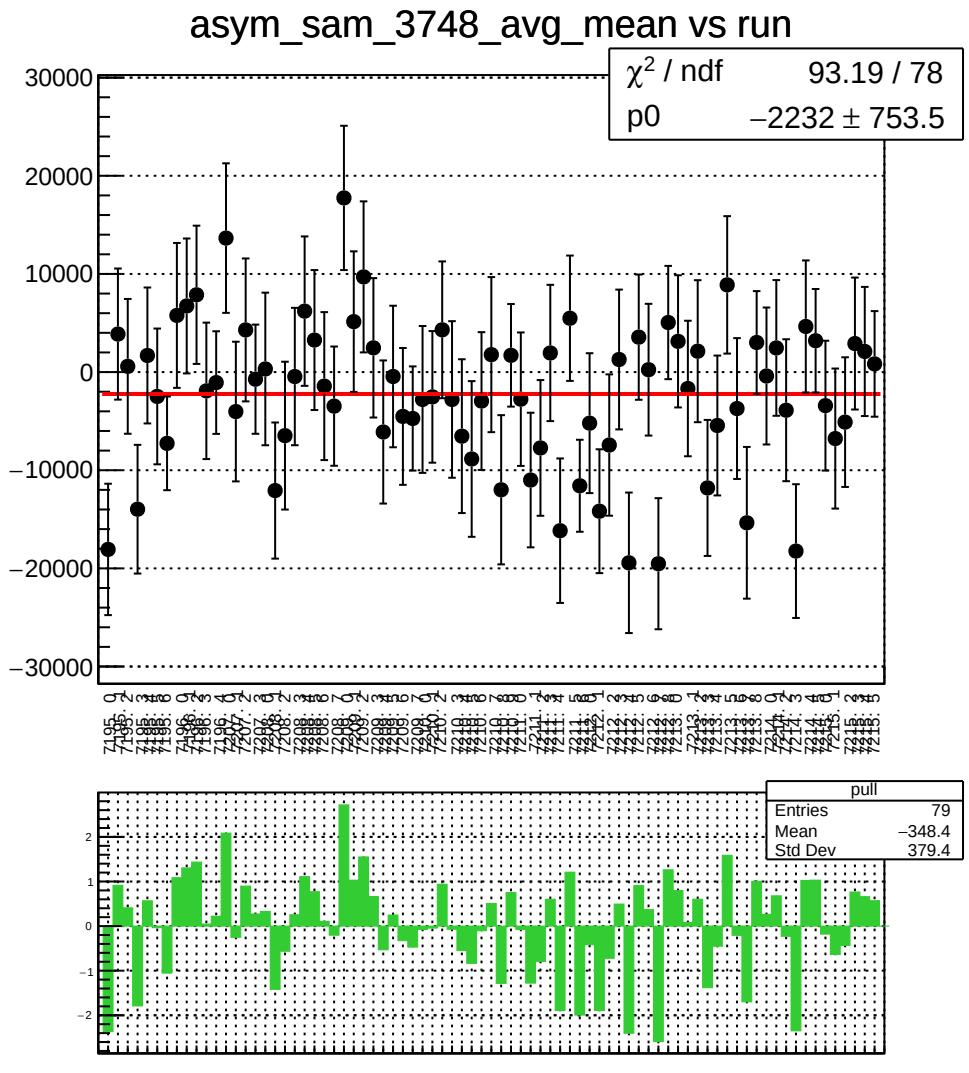

pull1D
Entries 79
Mean 0.008291
Std Dev 0.8979
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

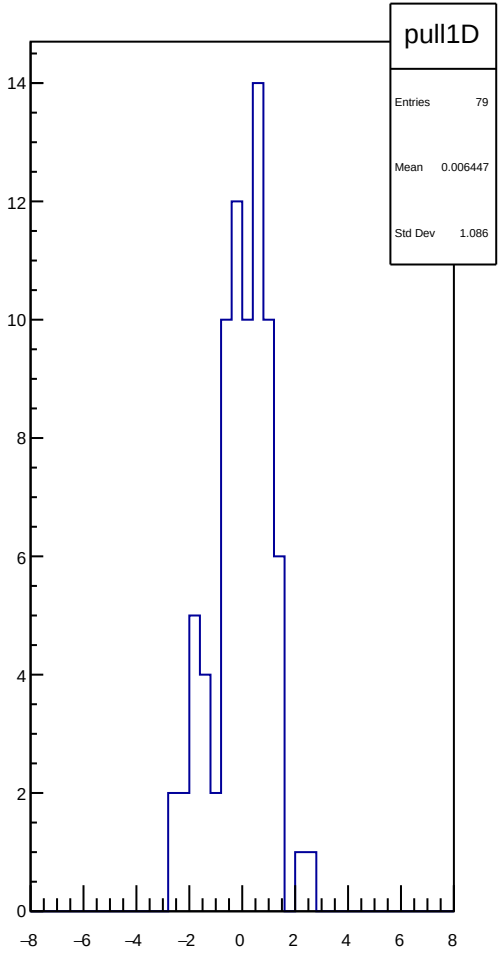

dit_asym_sam_3748_avg_rms vs run
χ^2 / ndf 5.708e+04 / 78
p0 90.12 ± 0.0733
220
200
180
160
140
120
100
80

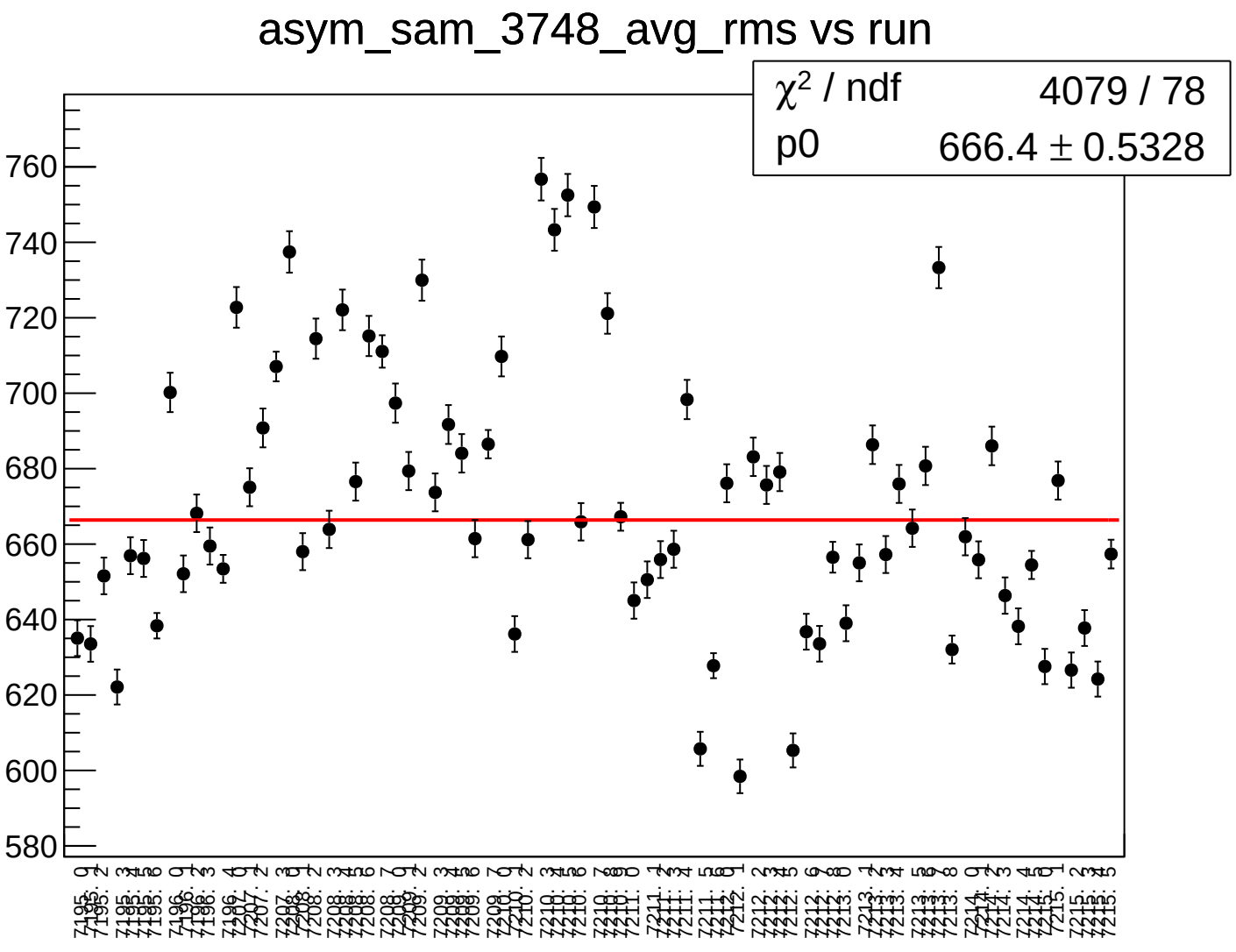

asym_sam_3748_avg_correction_mean vs run
χ² / ndf 94.87 / 78
p0 2458 ± 768.6
30000
20000
10000
0
−10000
−20000
pull
Entries 79
Mean −648.8
Std Dev 679.7
2
1
0
−1
−2

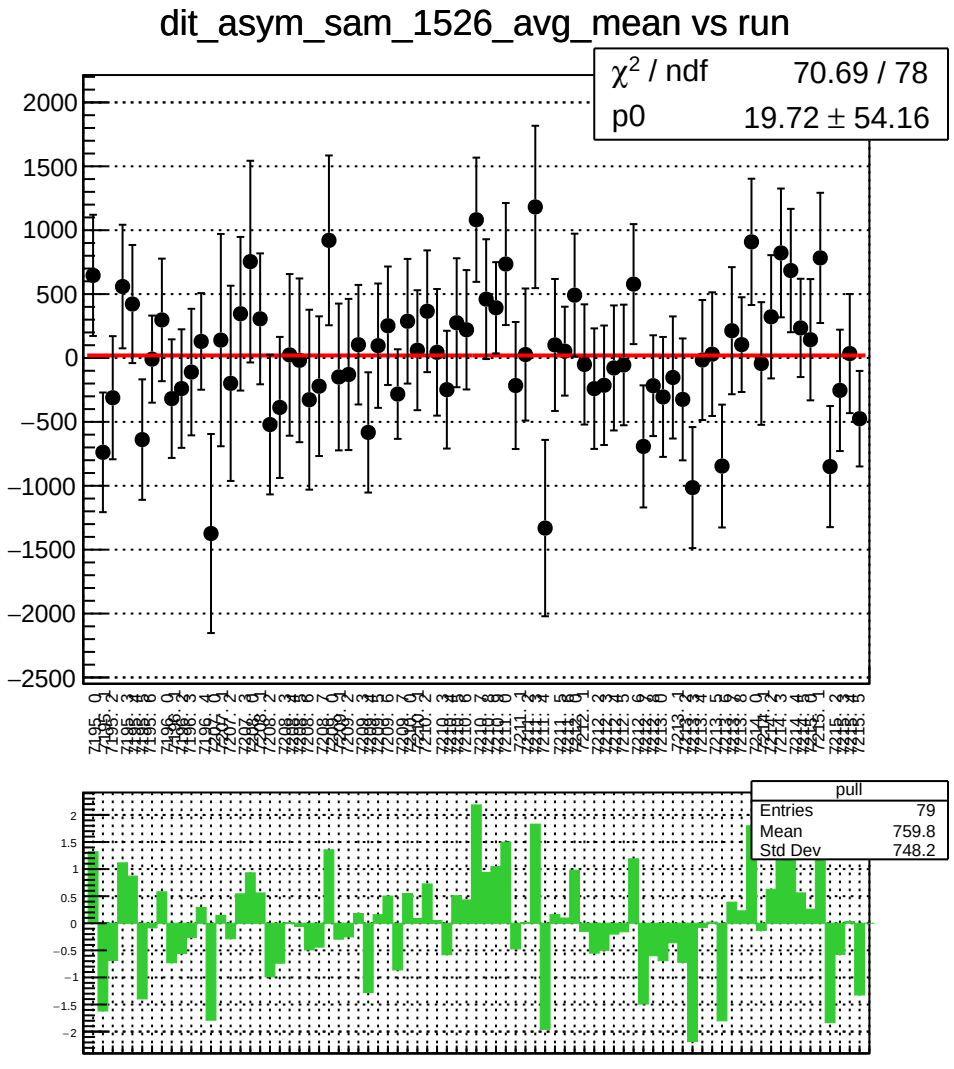

pull1D
Entries 79
Mean −0.003958
Std Dev 1.096
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

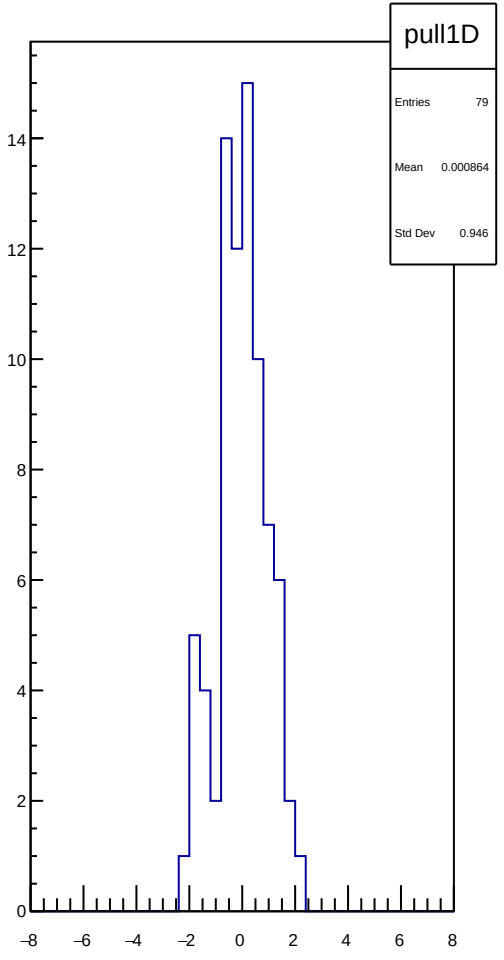

asym_sam_3748_avg_correction_rms vs run
χ^2 / ndf 2704 / 78
p0 680 ± 0.5435
780
760
740
720
700
680
660
640
620

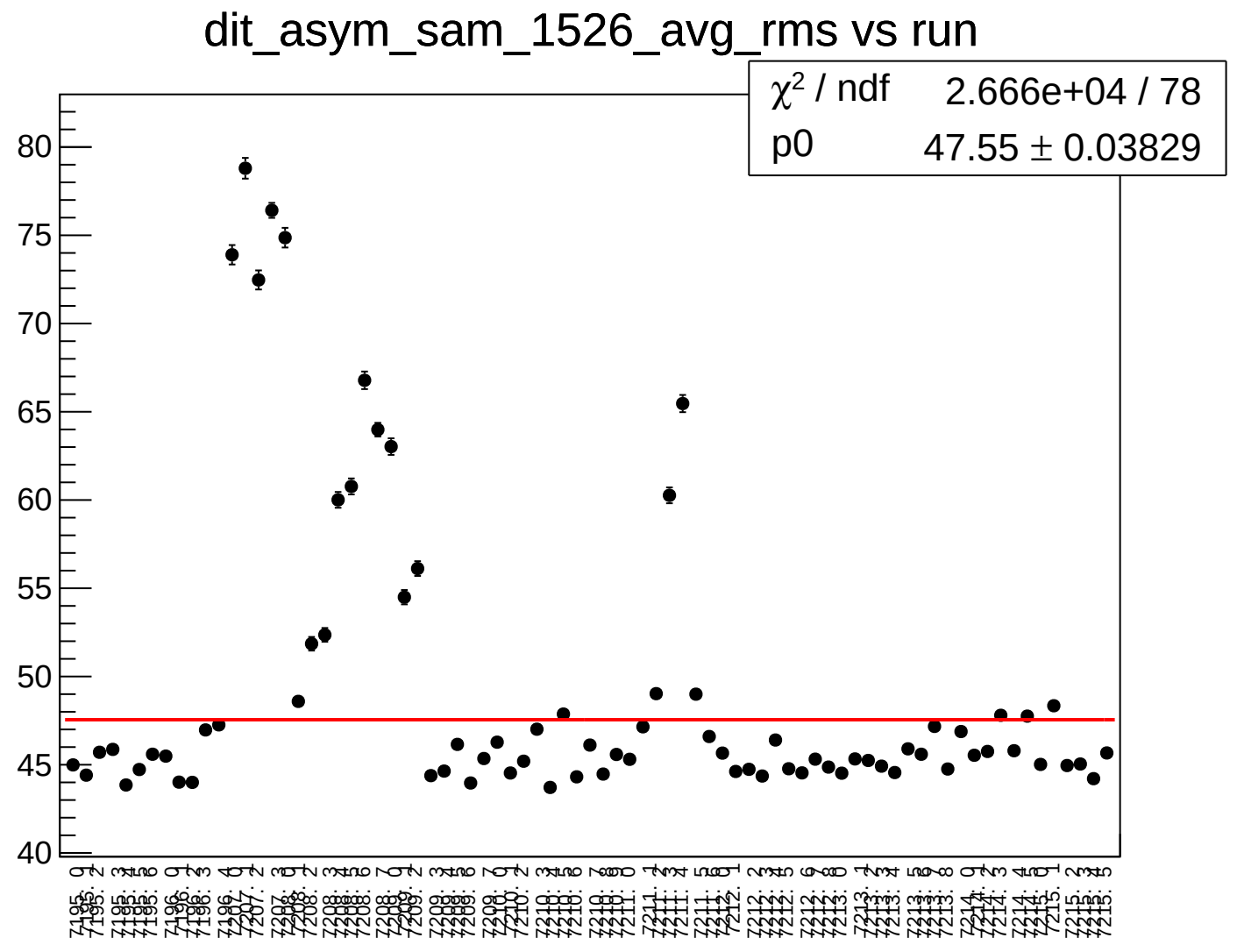

asym_sam_3748_avg_mean vs run
χ² / ndf 93.19 / 78
p0 −2232 ± 753.5
pull
Entries 79
Mean −348.4
Std Dev 379.4

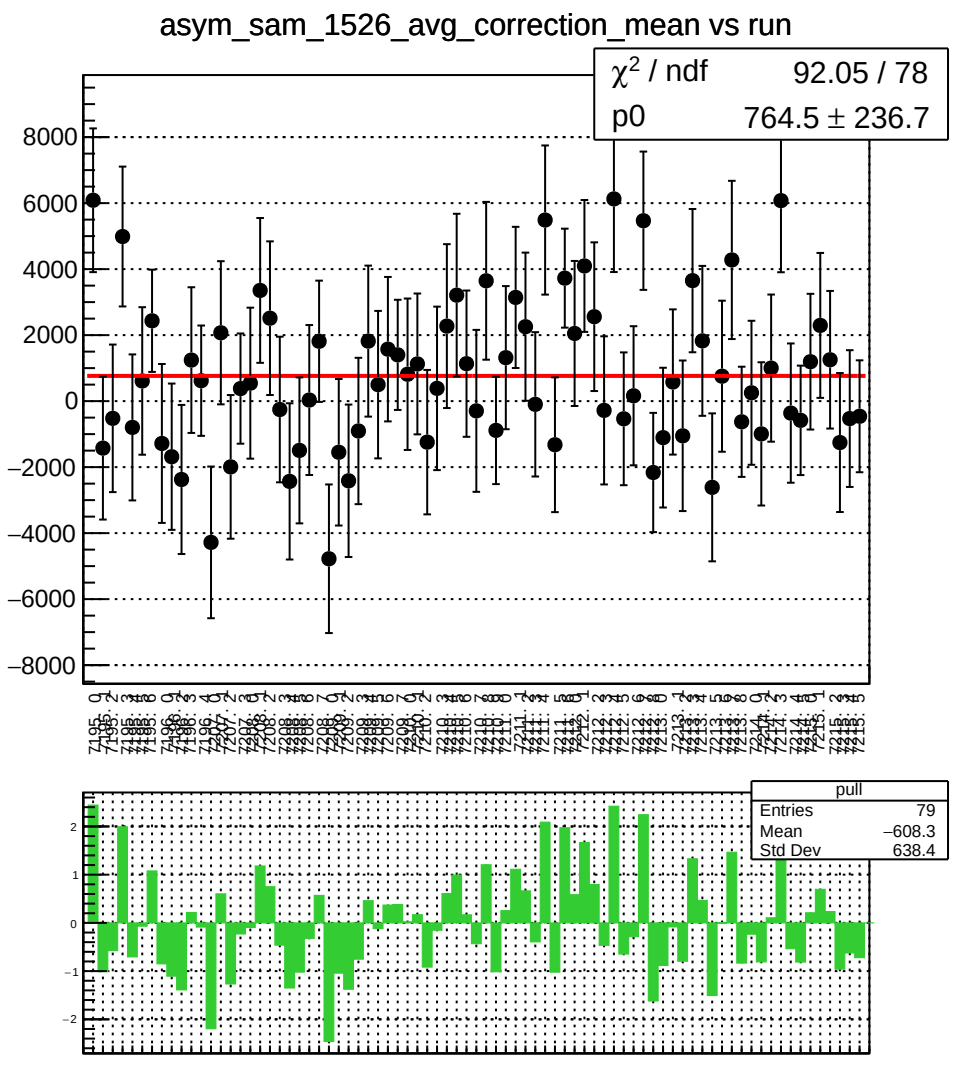

pull1D
Entries 79
Mean 0.006447
Std Dev 1.086

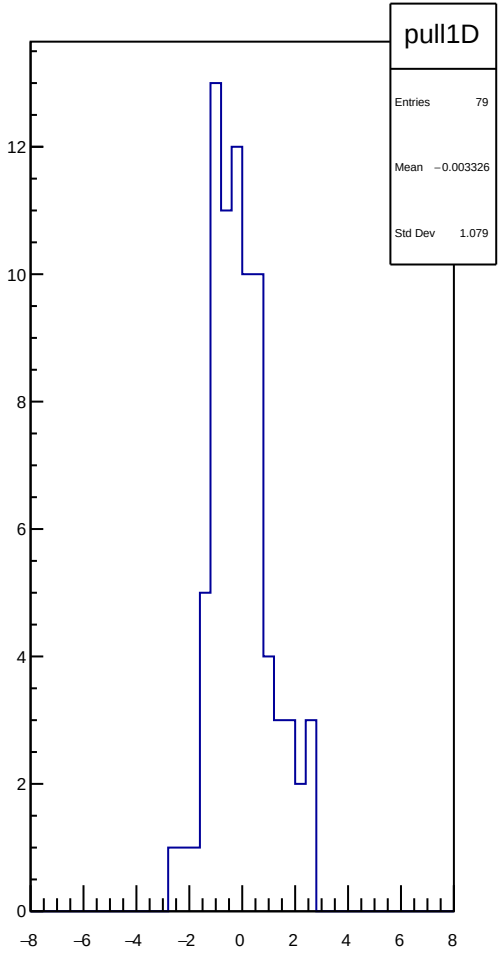

asym_sam_3748_avg_rms vs run
χ² / ndf 4079 / 78
p0 666.4 ± 0.5328
760
740
720
700
680
660
640
620
600
580

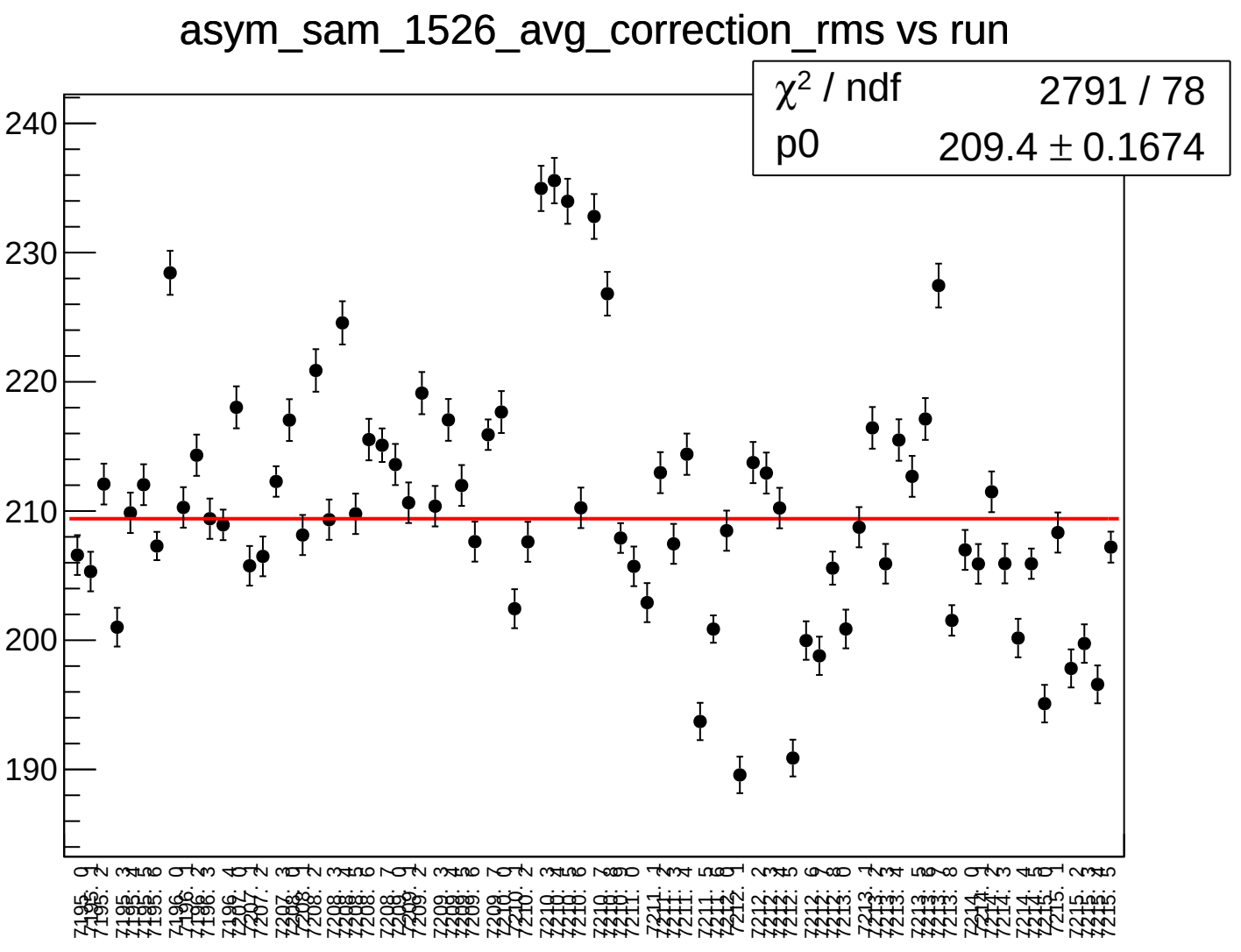

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 70.69 / 78
p0 19.72 ± 54.16
pull
Entries 79
Mean 759.8
Std Dev 748.2

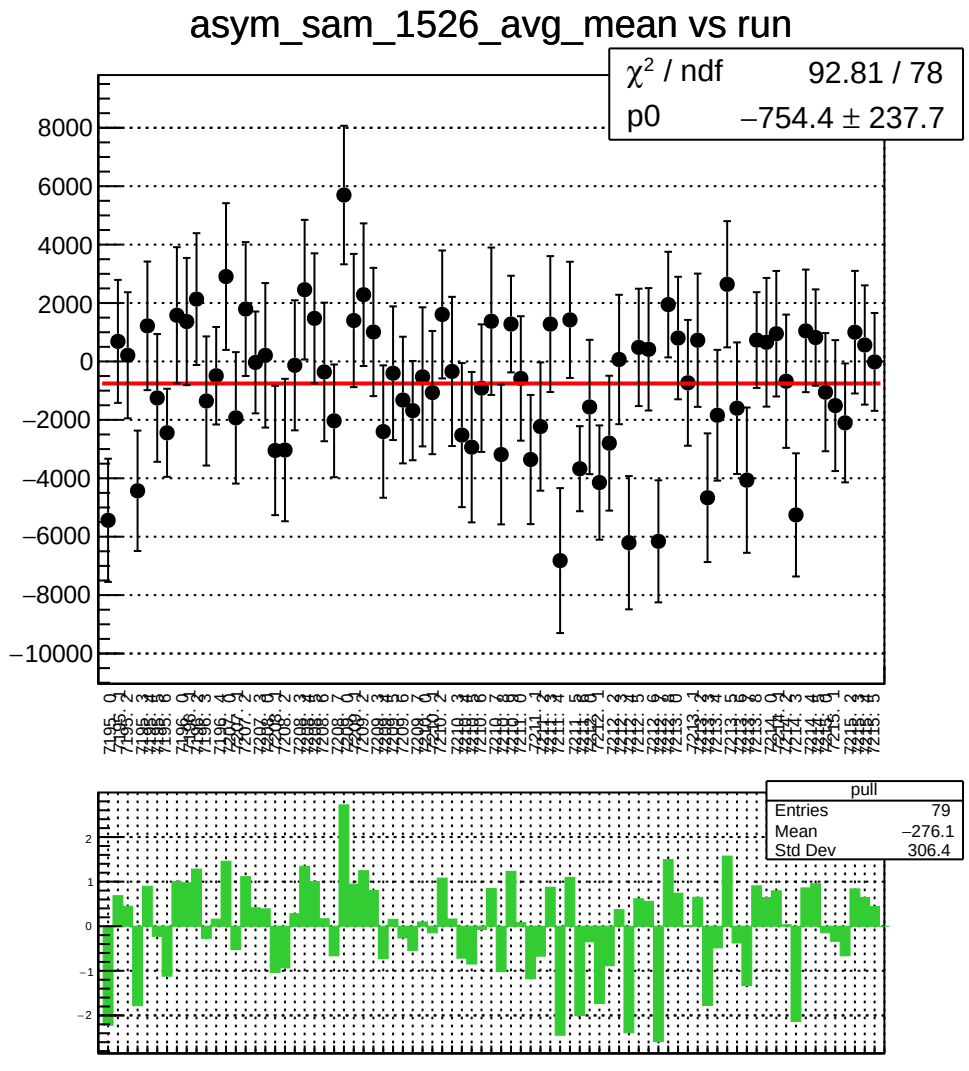

pull1D
Entries 79
Mean 0.000864
Std Dev 0.946

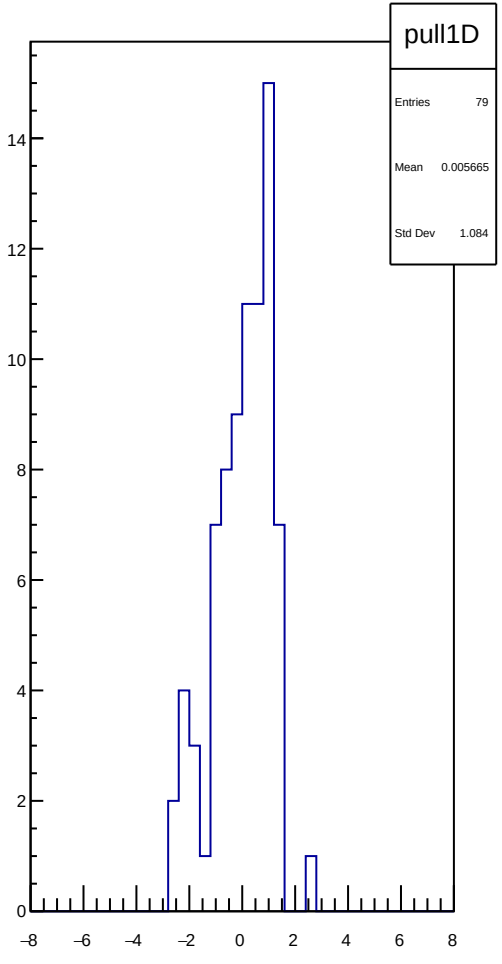

dit_asym_sam_1526_avg_rms vs run
χ² / ndf 2.666e+04 / 78
p0 47.55 ± 0.03829
80
75
70
65
60
55
50
45
40

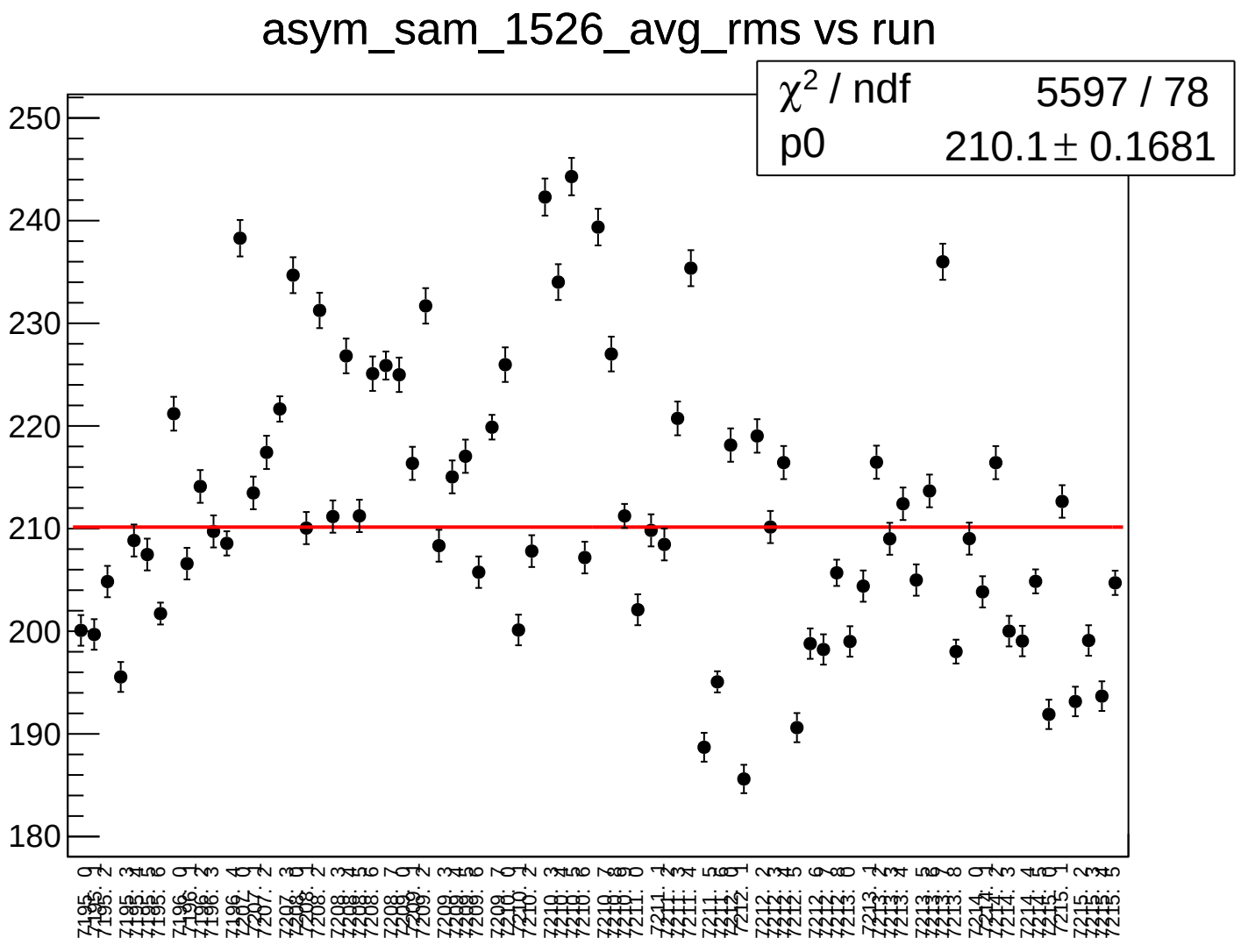

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 92.05 / 78
p0 764.5 ± 236.7
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 79
Mean −608.3
Std Dev 638.4
2
1
0
−1
−2

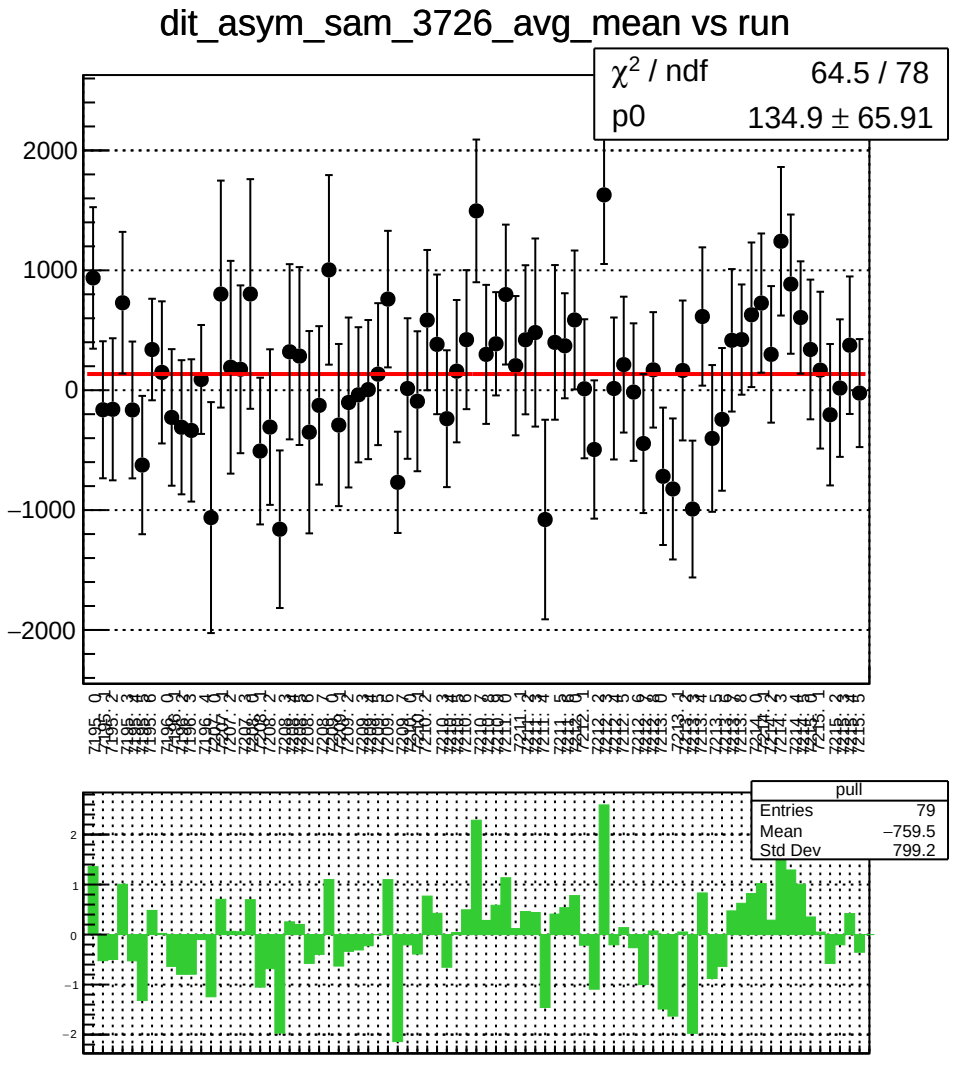

pull1D
Entries 79
Mean −0.003326
Std Dev 1.079
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

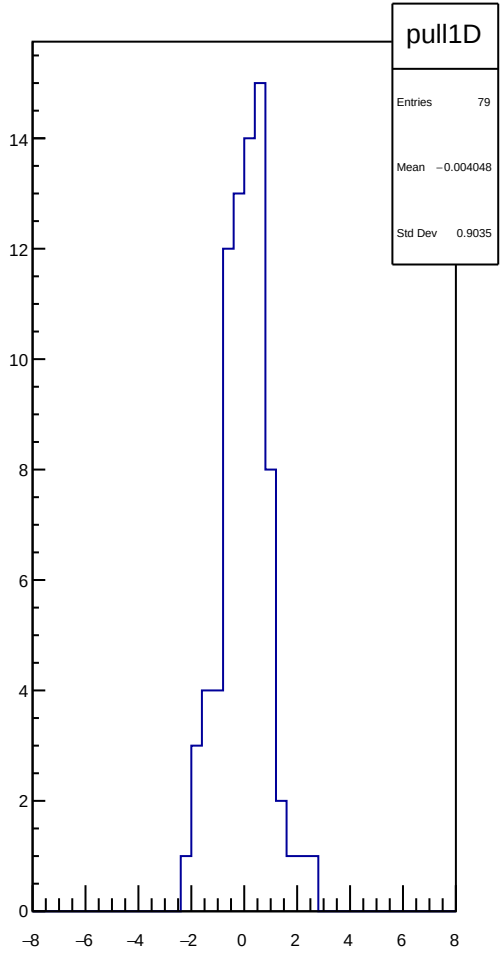

asym_sam_1526_avg_correction_rms vs run
χ² / ndf 2791 / 78
p0 209.4 ± 0.1674
240
230
220
210
200
190

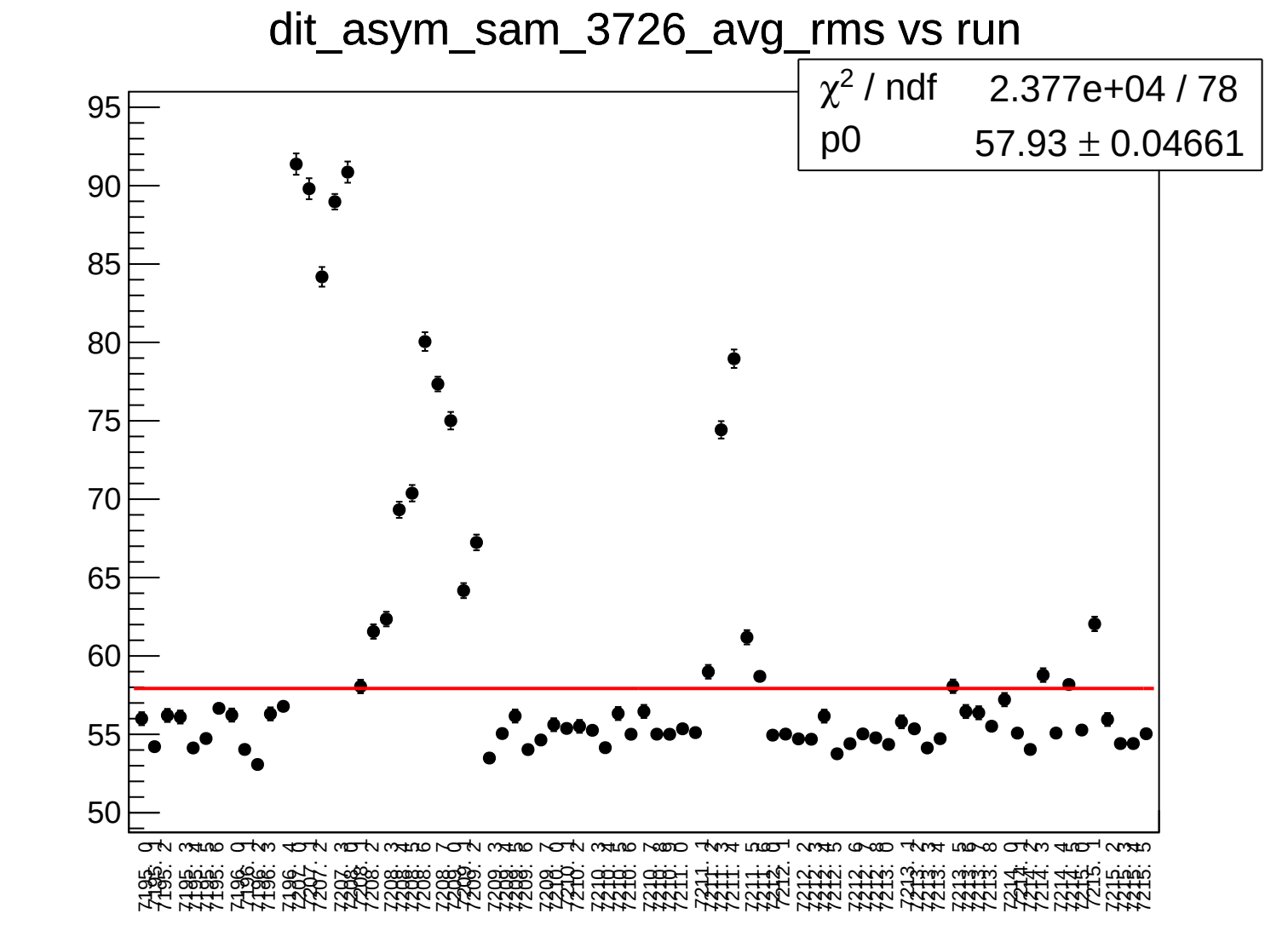

asym_sam_1526_avg_mean vs run
χ² / ndf 92.81 / 78
p0 −754.4 ± 237.7
pull
Entries 79
Mean −276.1
Std Dev 306.4

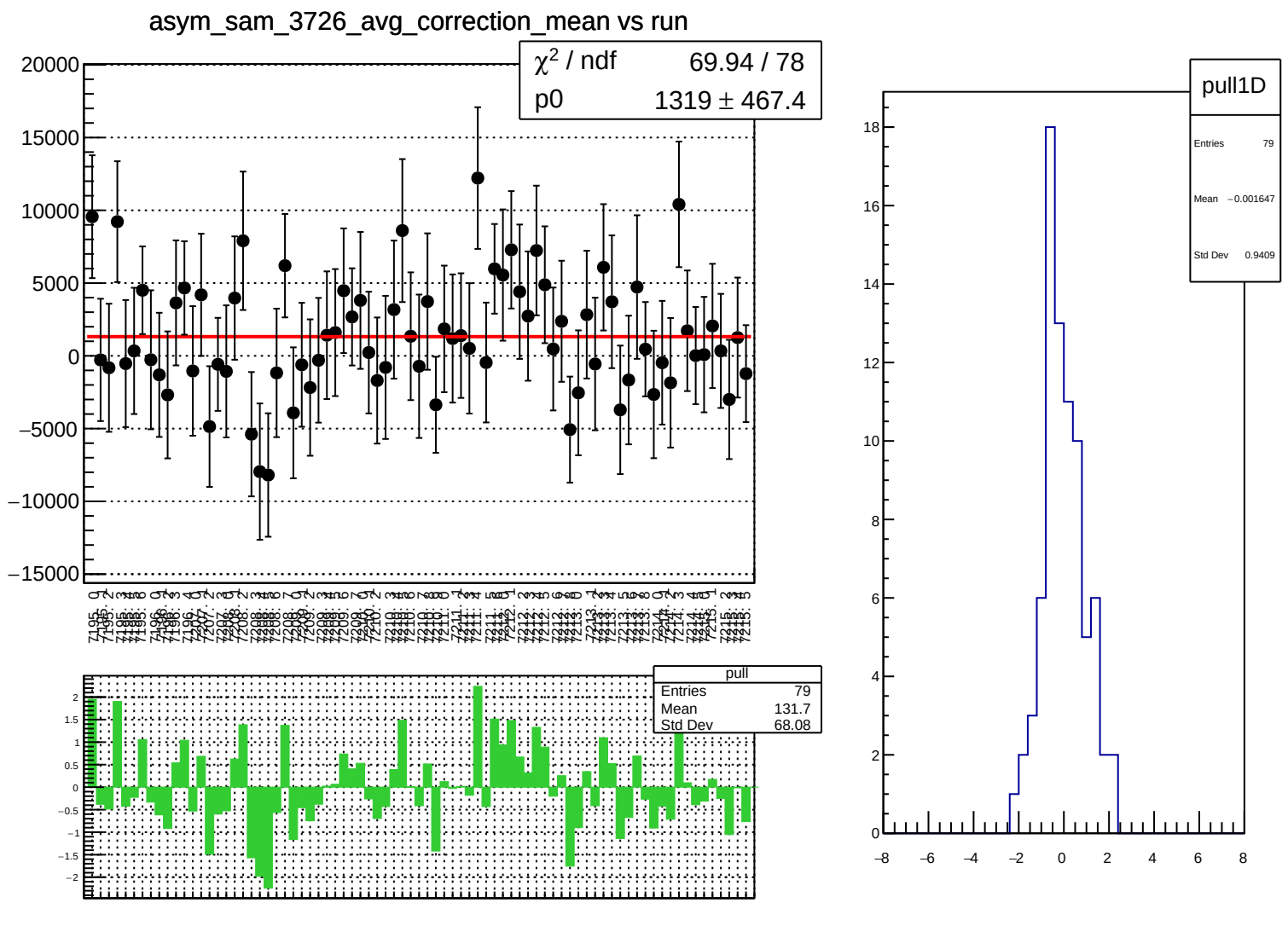

pull1D
Entries 79
Mean 0.005665
Std Dev 1.084

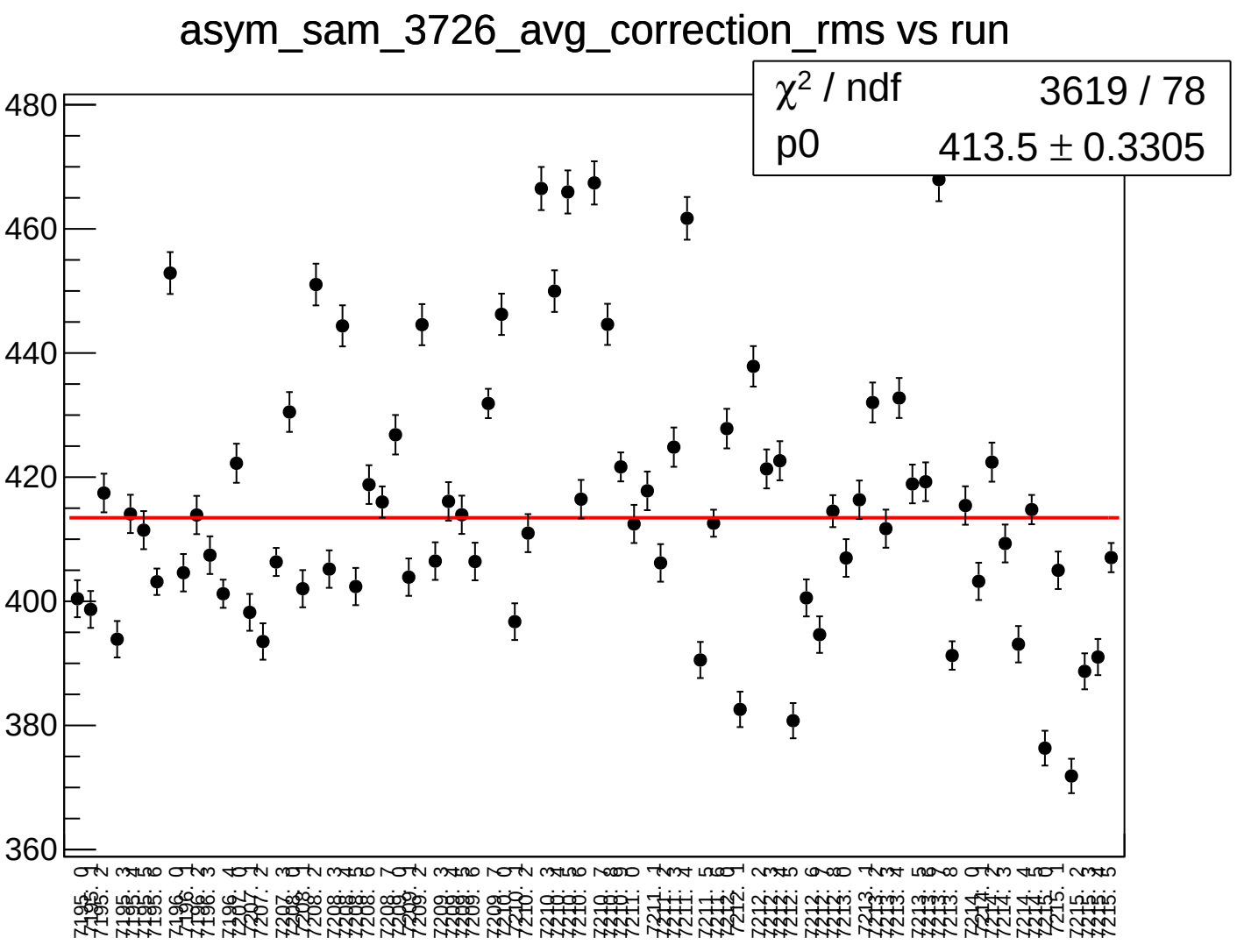

asym_sam_1526_avg_rms vs run
χ² / ndf 5597 / 78
p0 210.1 ± 0.1681
250
240
230
220
210
200
190
180

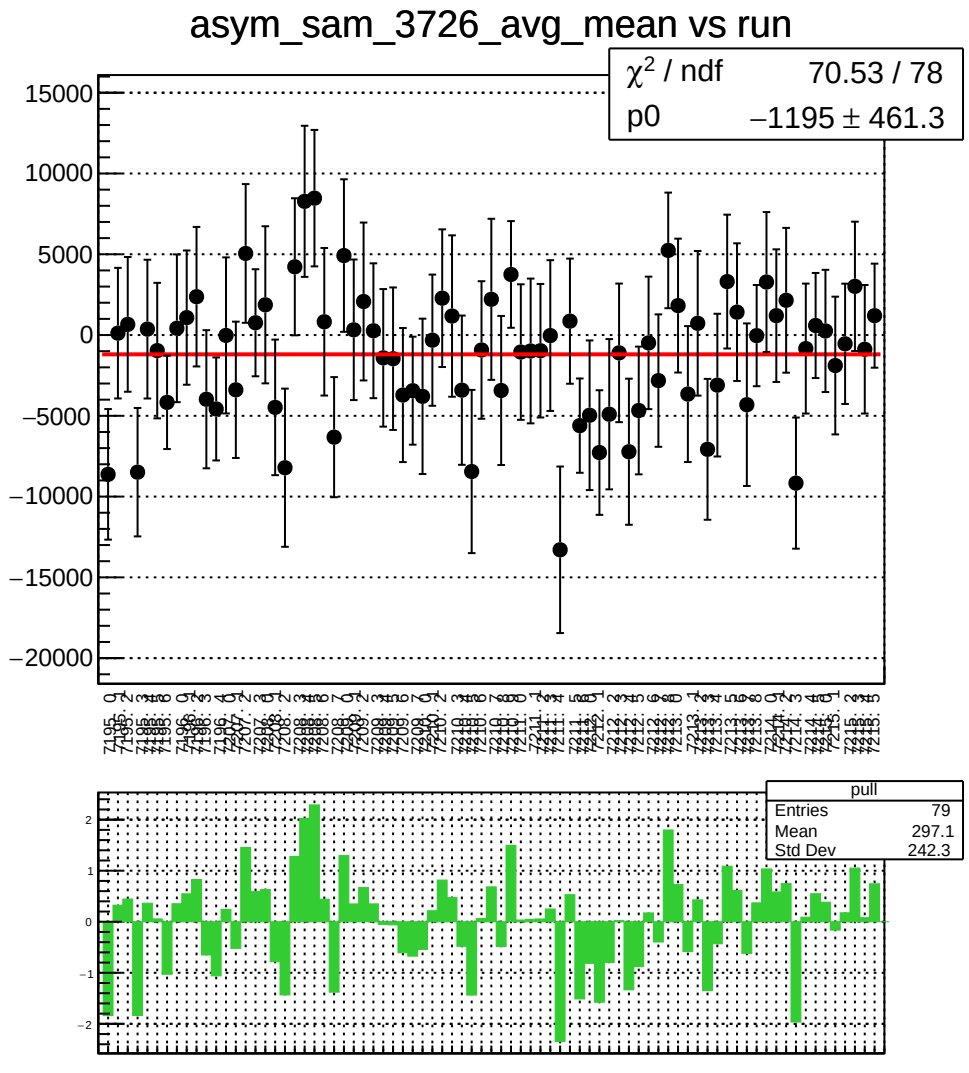

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 64.5 / 78
p0 134.9 ± 65.91
2000
1000
0
−1000
−2000
pull
Entries 79
Mean −759.5
Std Dev 799.2
2
1
0
−1
−2

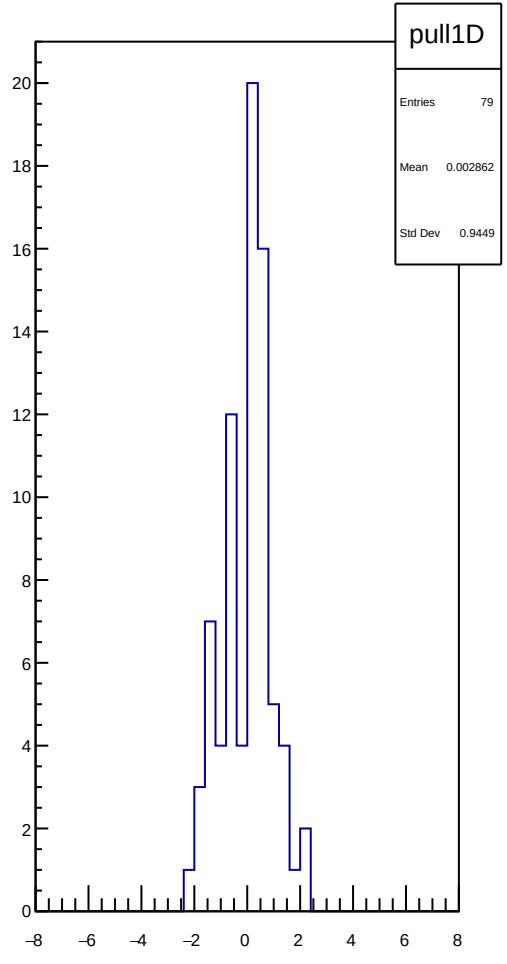

pull1D
Entries 79
Mean −0.004048
Std Dev 0.9035
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

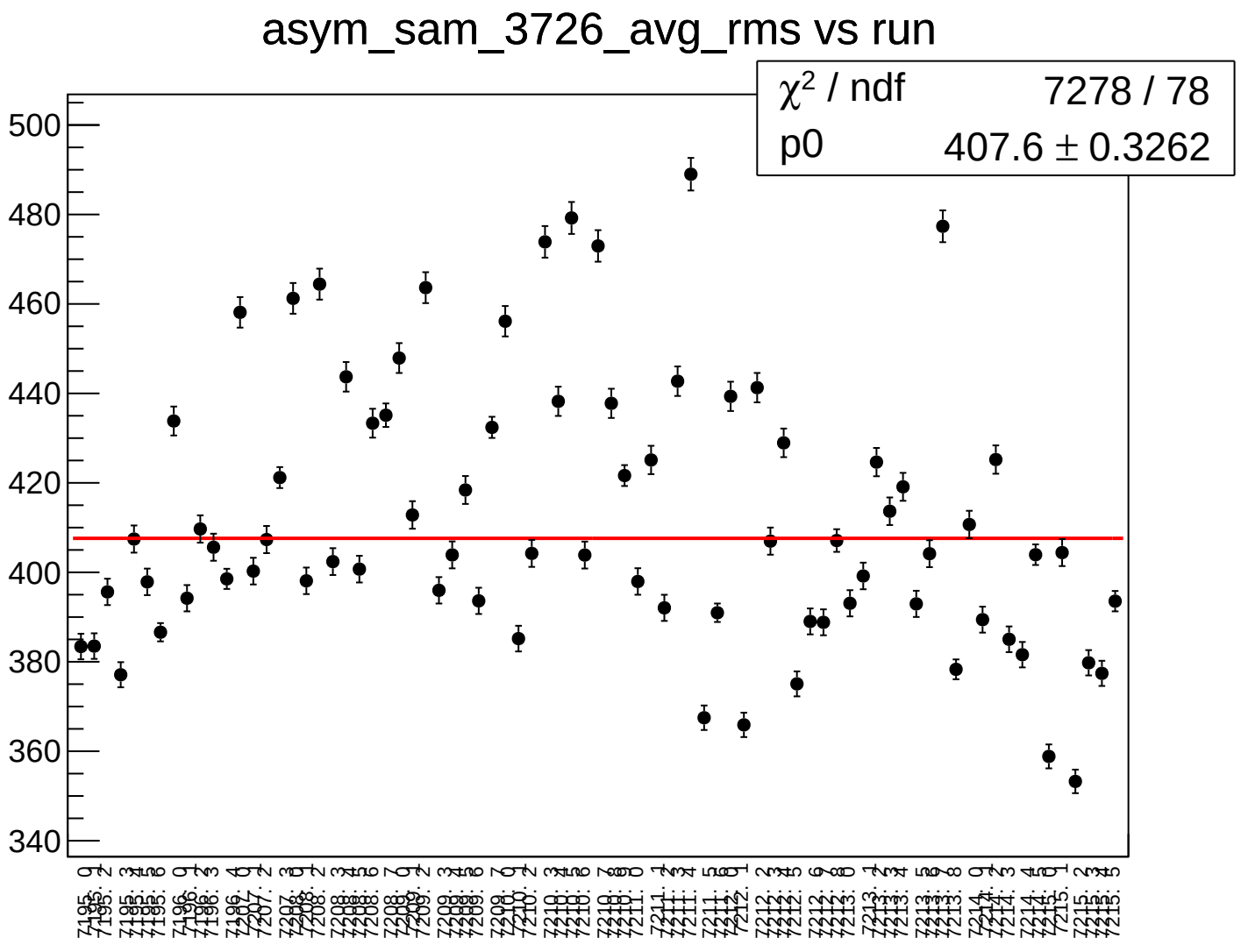

dit_asym_sam_3726_avg_rms vs run
χ^2 / ndf 2.377e+04 / 78
p0 57.93 ± 0.04661
95
90
85
80
75
70
65
60
55
50

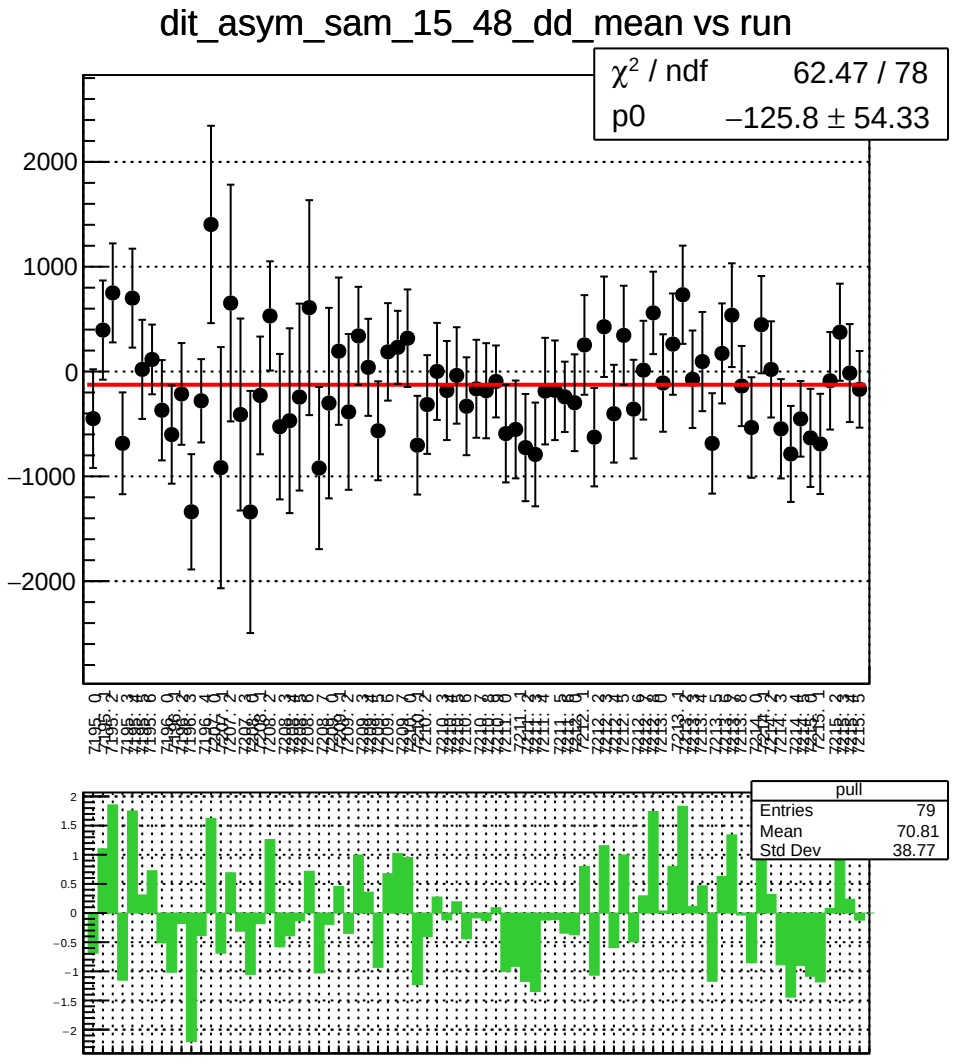

asym_sam_3726_avg_correction_mean vs run
χ^2 / ndf 69.94 / 78
p0 1319 ± 467.4
pull
Entries 79
Mean 131.7
Std Dev 68.08
pull1D
Entries 79
Mean −0.001647
Std Dev 0.9409

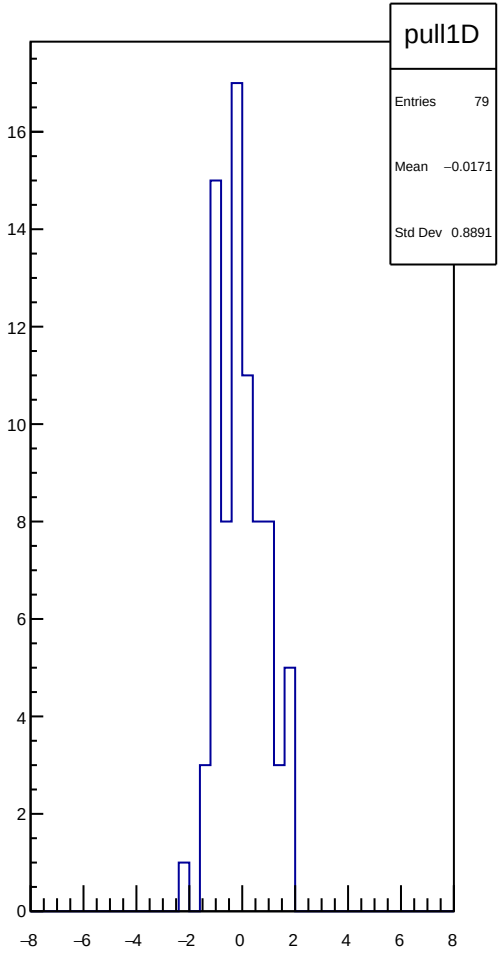

asym_sam_3726_avg_correction_rms vs run
χ² / ndf 3619 / 78
p0 413.5 ± 0.3305
480
460
440
420
400
380
360

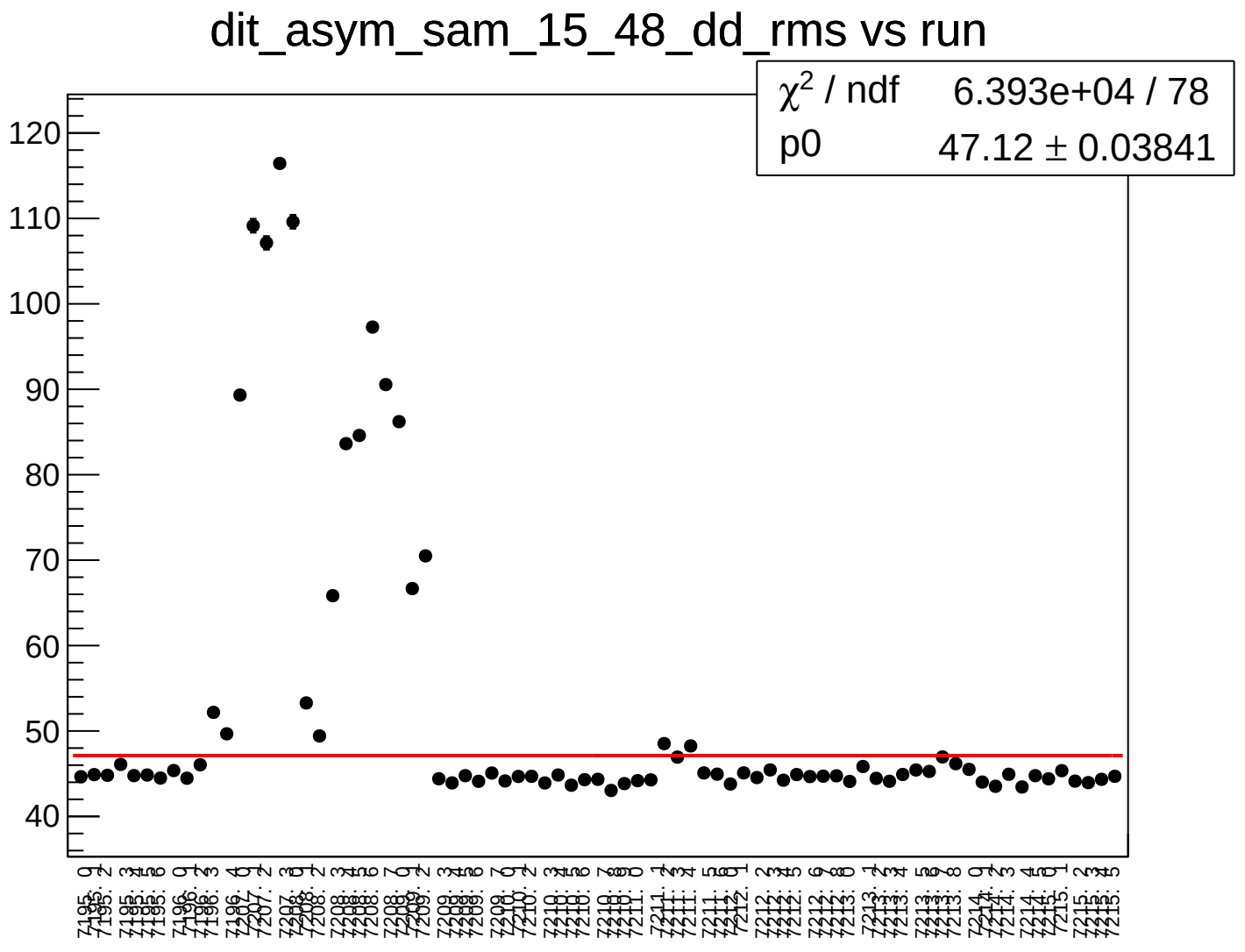

asym_sam_3726_avg_mean vs run
χ² / ndf 70.53 / 78
p0 −1195 ± 461.3
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 79
Mean 297.1
Std Dev 242.3
2
1
0
−1
−2

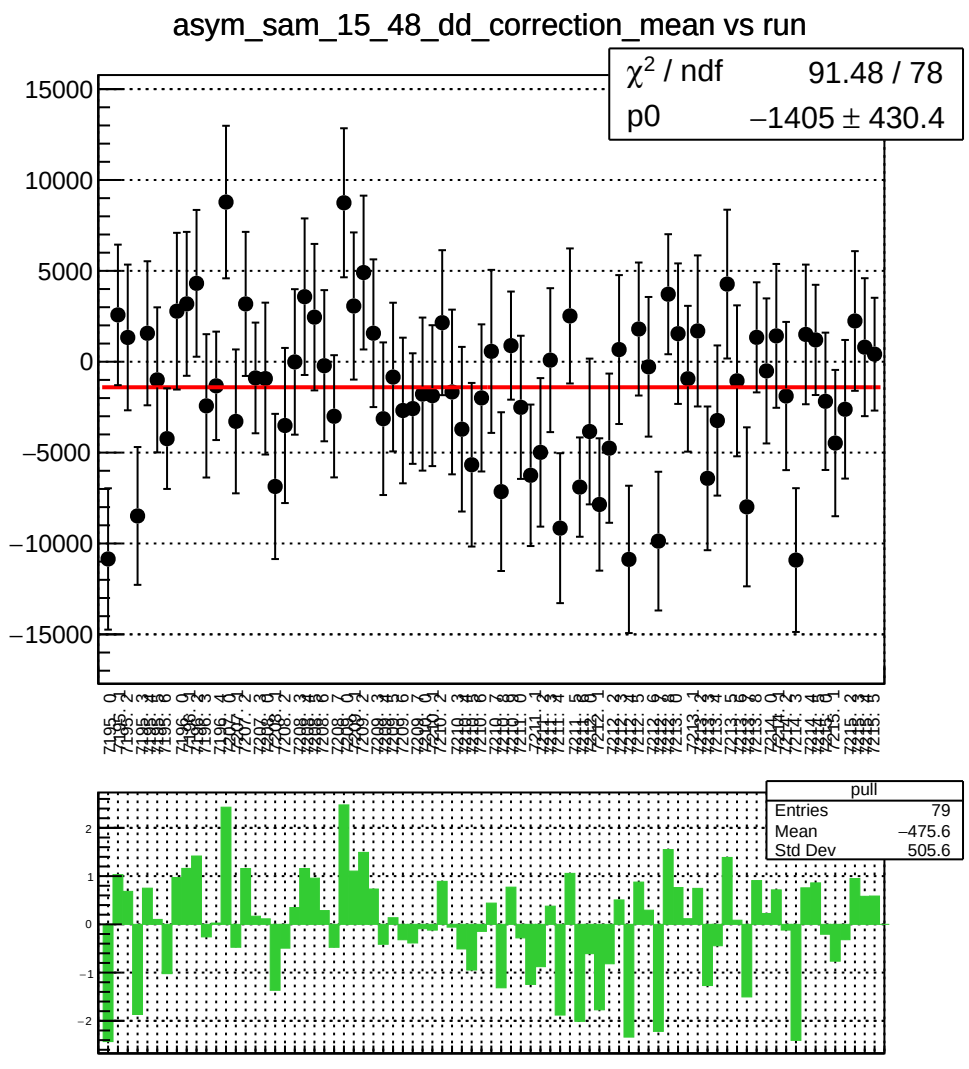

pull1D
Entries 79
Mean 0.002862
Std Dev 0.9449
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

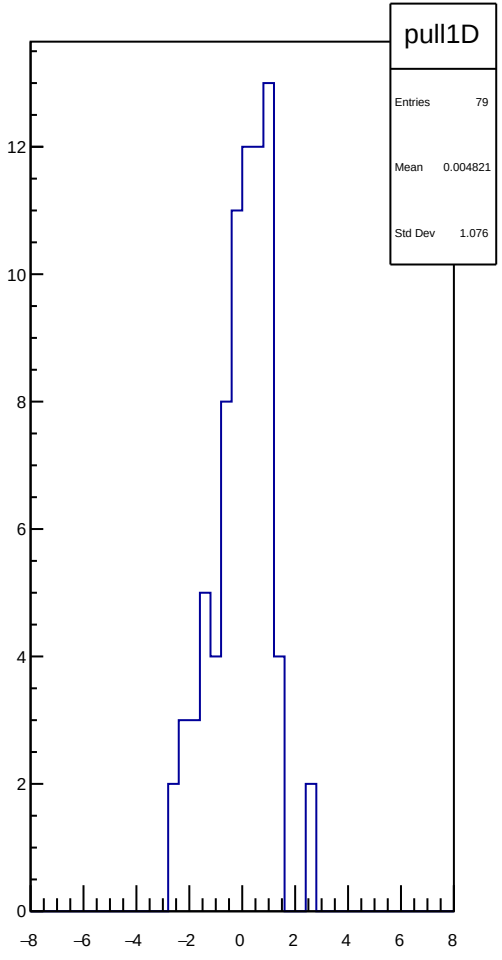

asym_sam_3726_avg_rms vs run
χ² / ndf 7278 / 78
p0 407.6 ± 0.3262
500
480
460
440
420
400
380
360
340

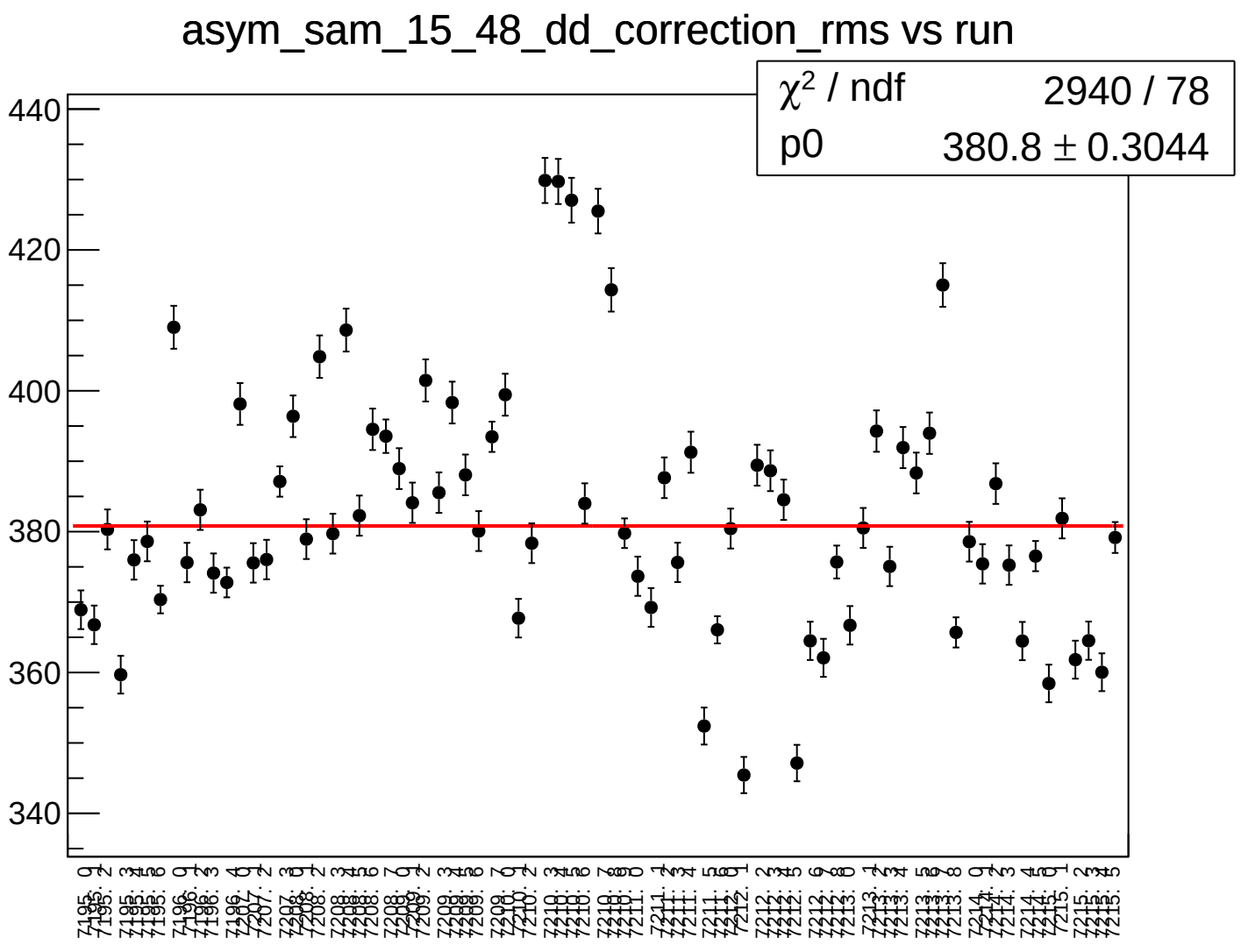

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 62.47 / 78
p0 −125.8 ± 54.33
pull
Entries 79
Mean 70.81
Std Dev 38.77

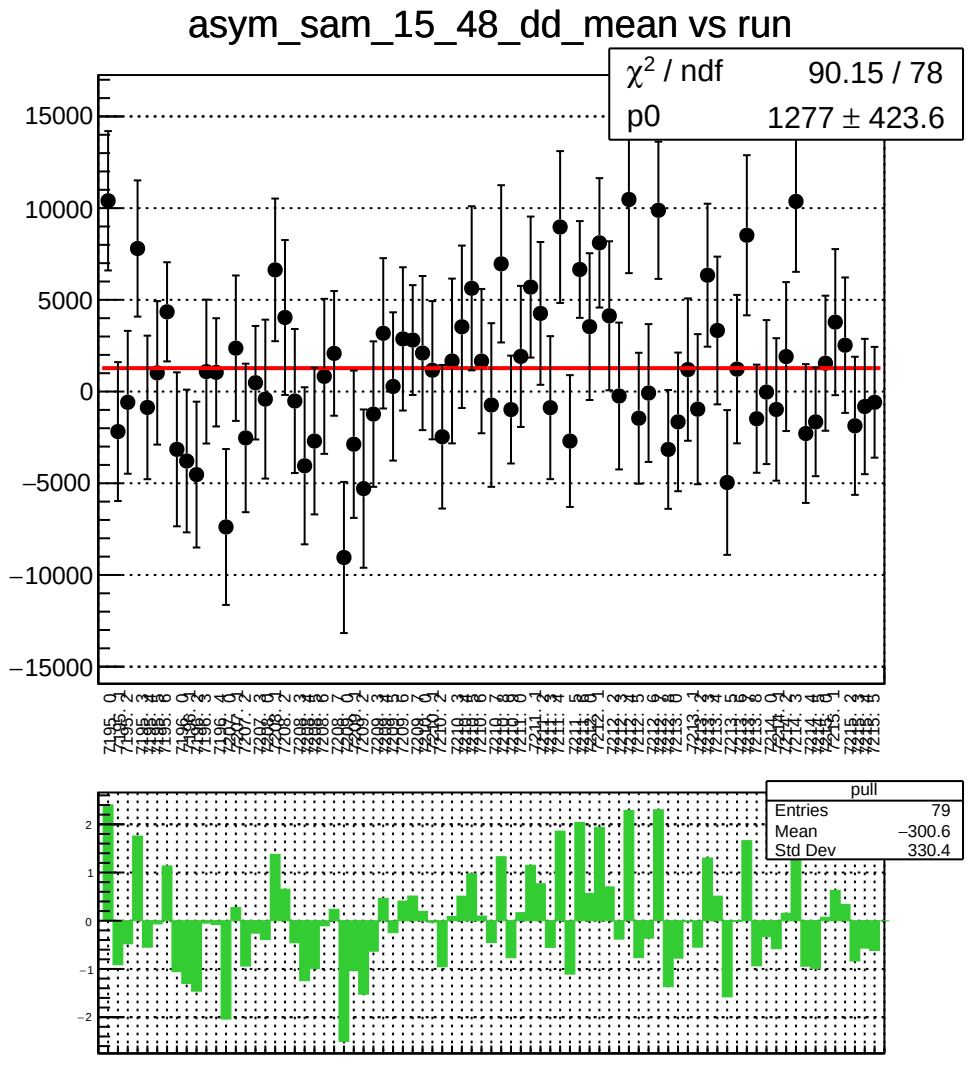

pull1D
Entries 79
Mean −0.0171
Std Dev 0.8891

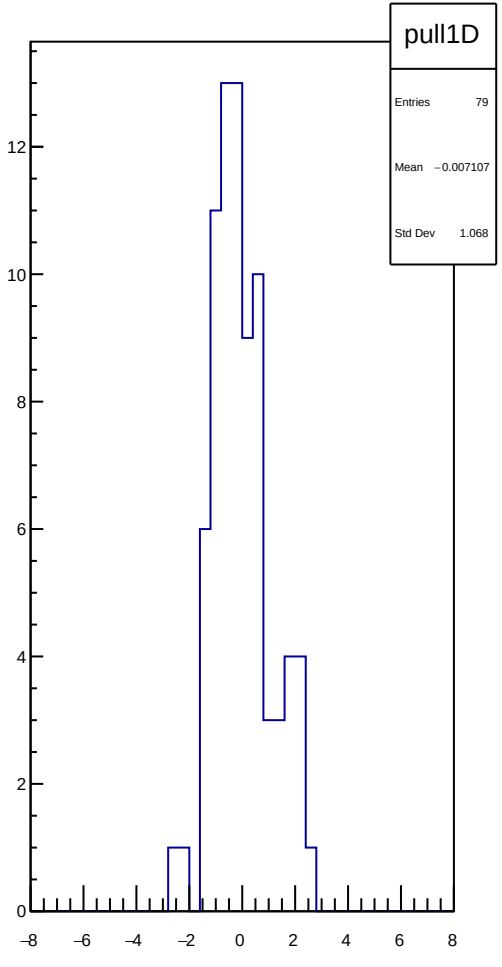

dit_asym_sam_15_48_dd_rms vs run
χ^2 / ndf 6.393e+04 / 78
p0 47.12 ± 0.03841
120
110
100
90
80
70
60
50
40

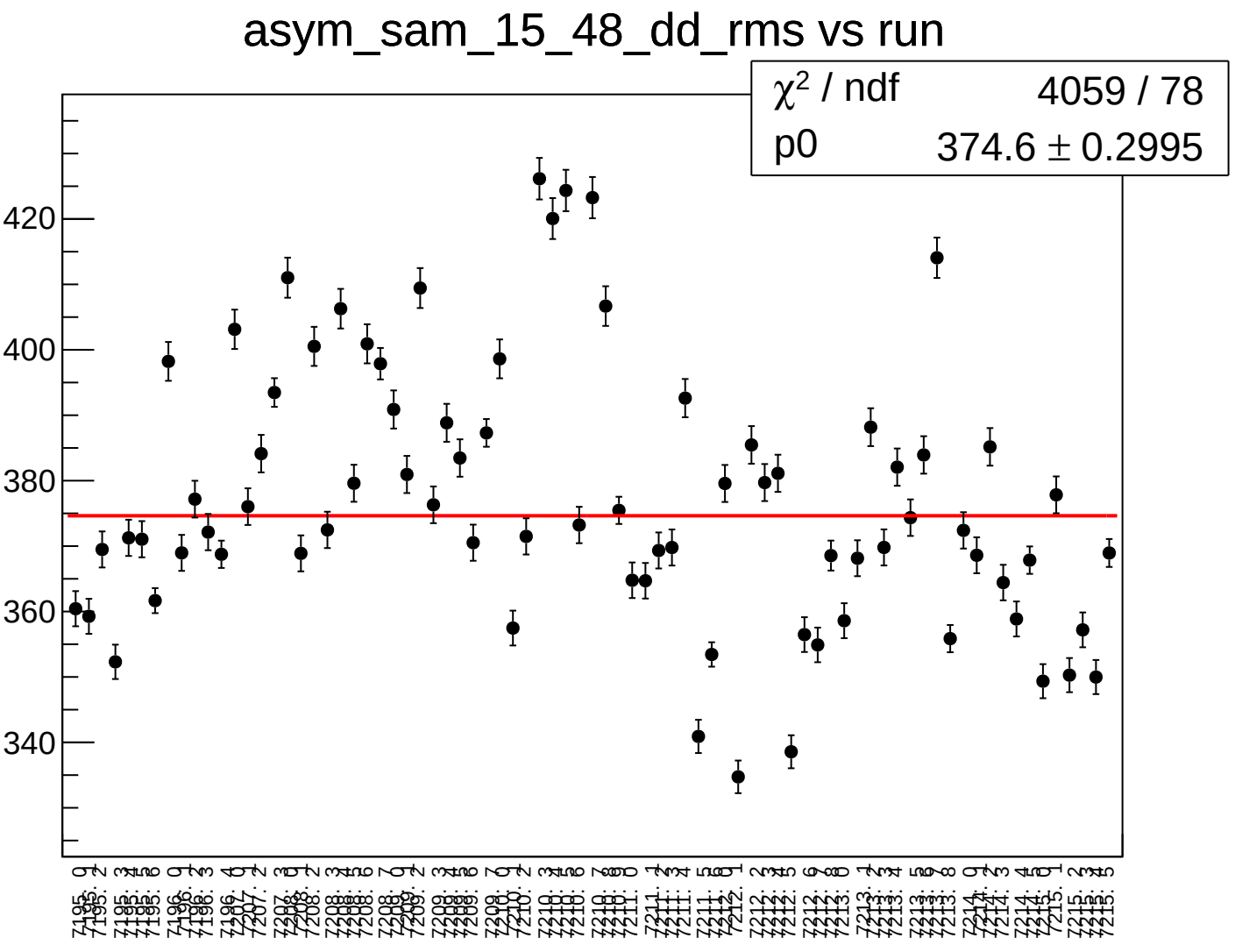

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 91.48 / 78
p0 −1405 ± 430.4
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 79
Mean −475.6
Std Dev 505.6
2
1
0
−1
−2

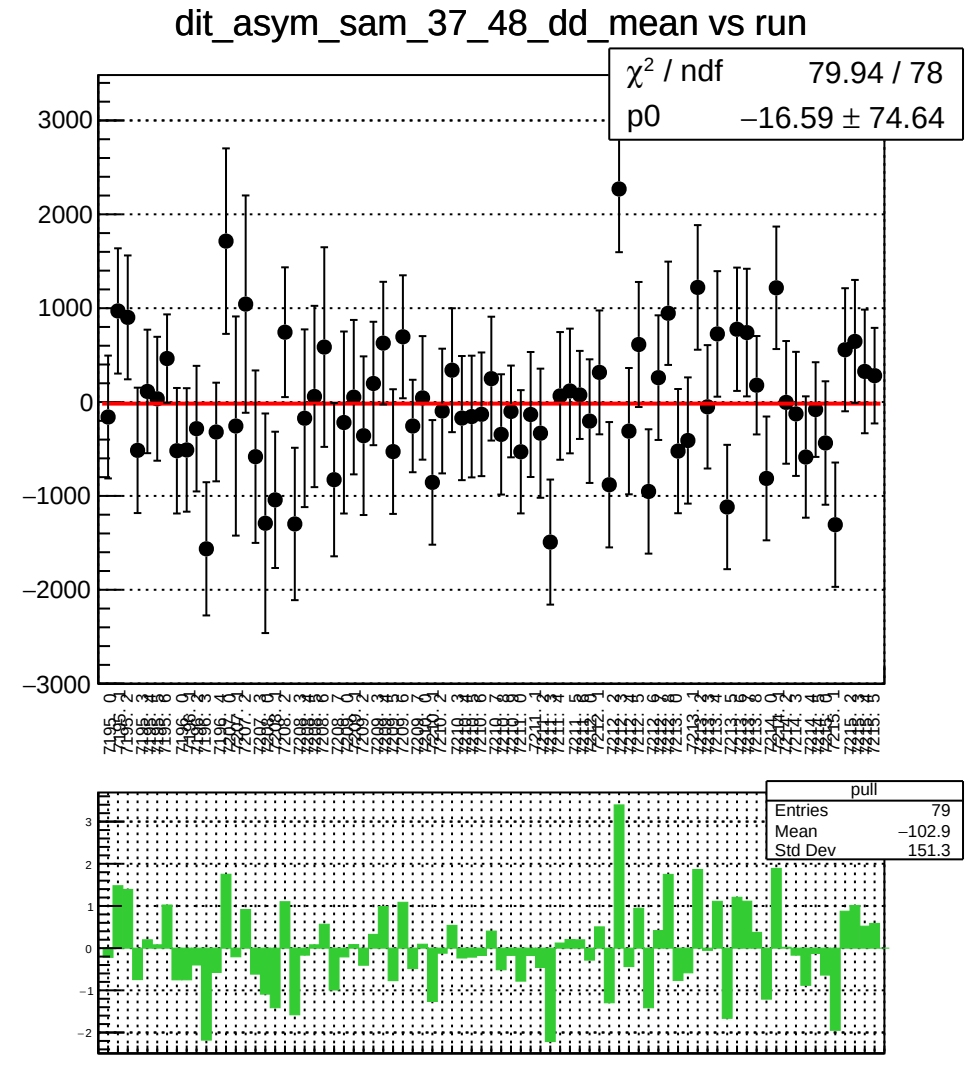

pull1D
Entries 79
Mean 0.004821
Std Dev 1.076
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

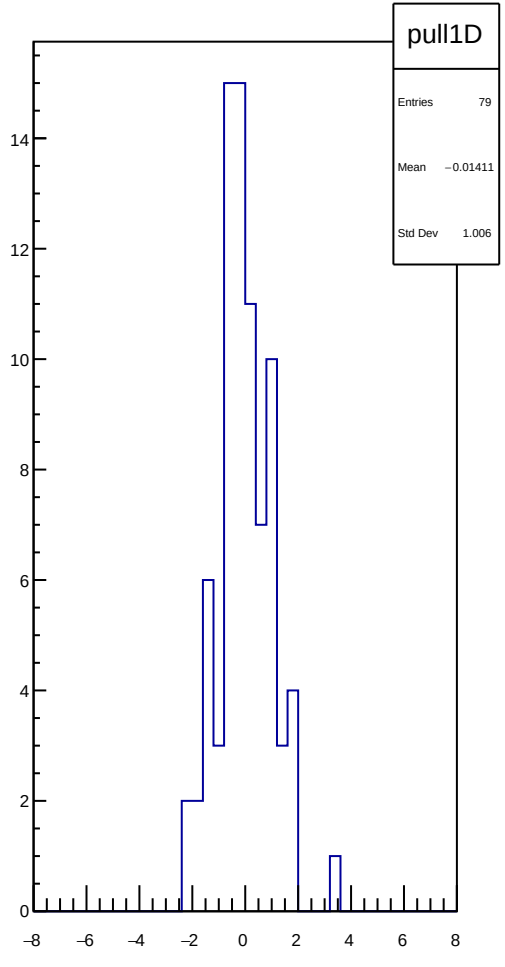

asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 2940 / 78
p0 380.8 ± 0.3044
440
420
400
380
360
340

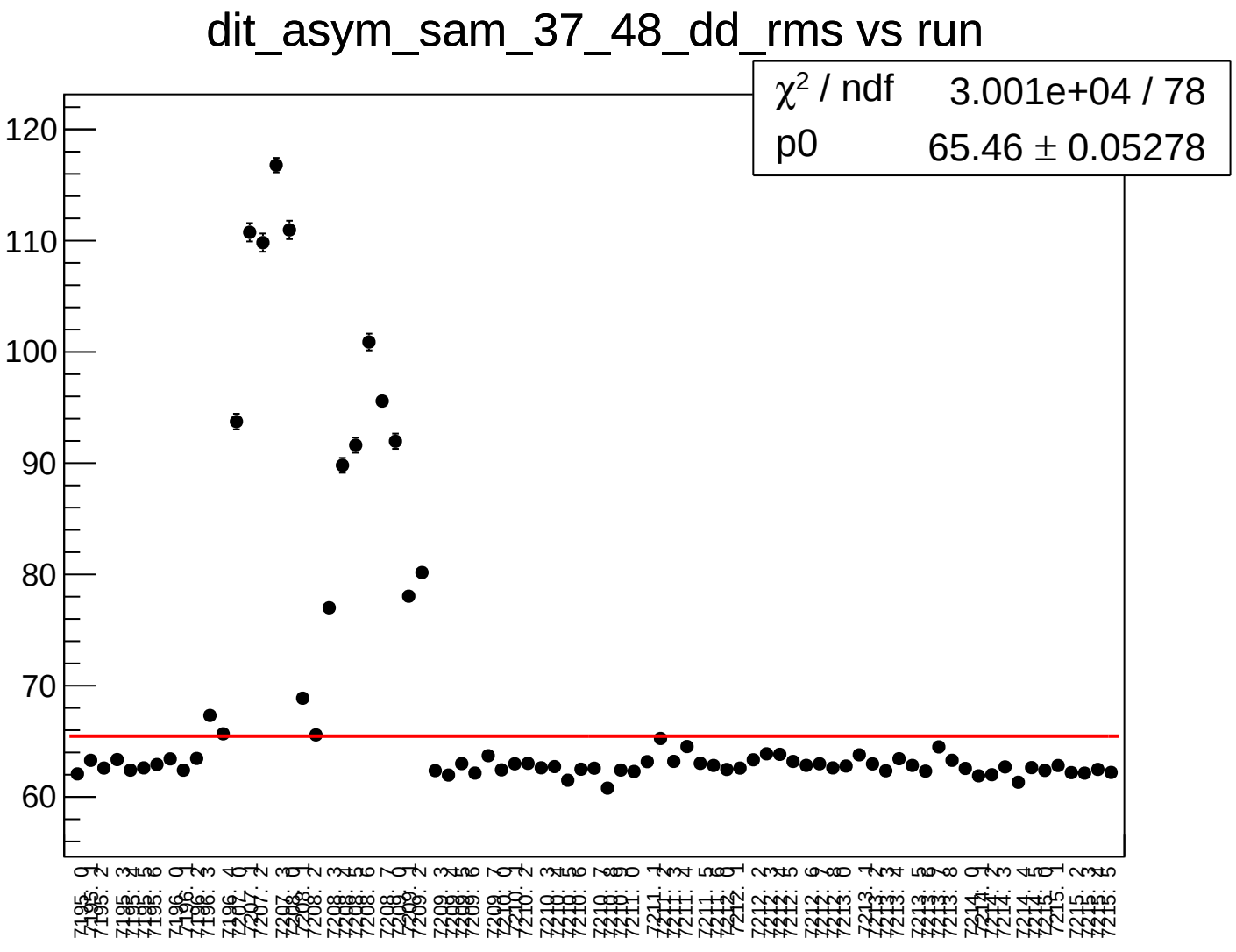

asym_sam_15_48_dd_mean vs run
χ² / ndf 90.15 / 78
p0 1277 ± 423.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 79
Mean −300.6
Std Dev 330.4
2
1
0
−1
−2

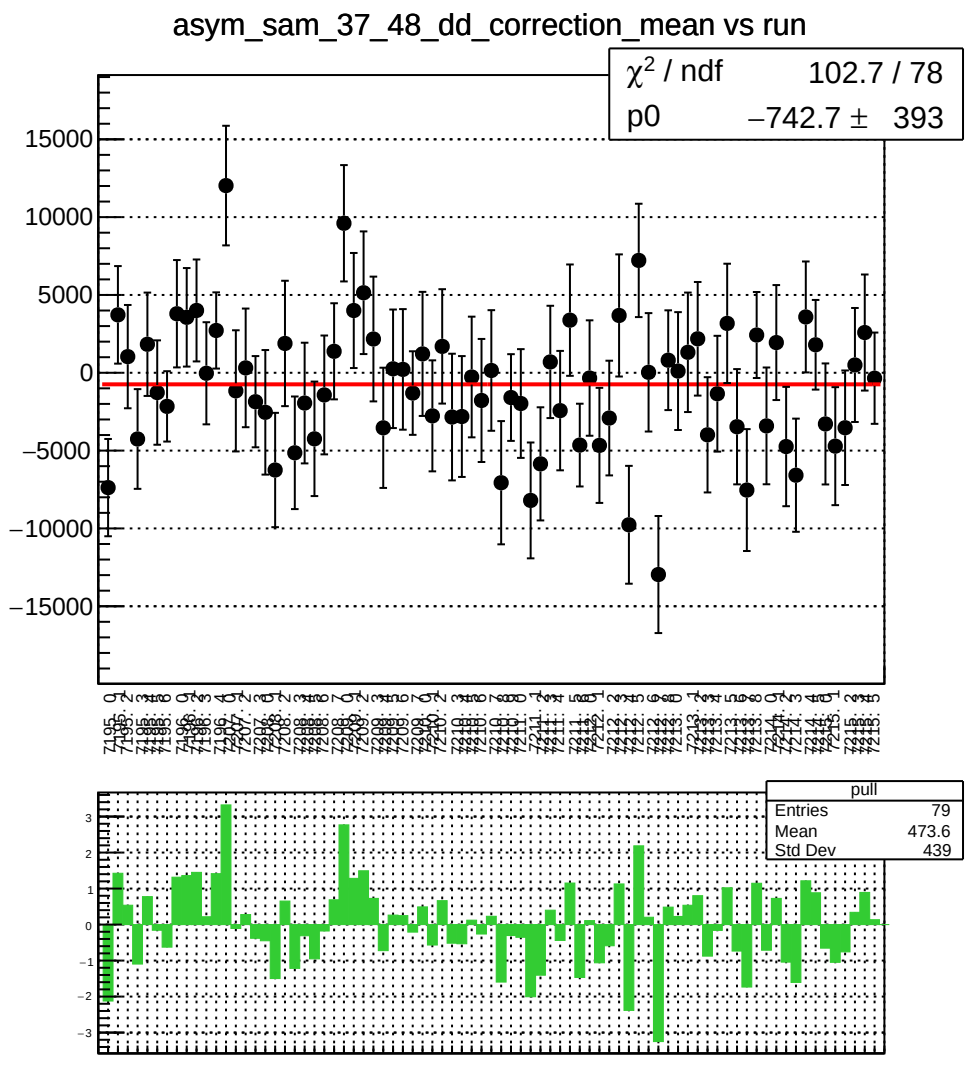

pull1D
Entries 79
Mean −0.007107
Std Dev 1.068
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

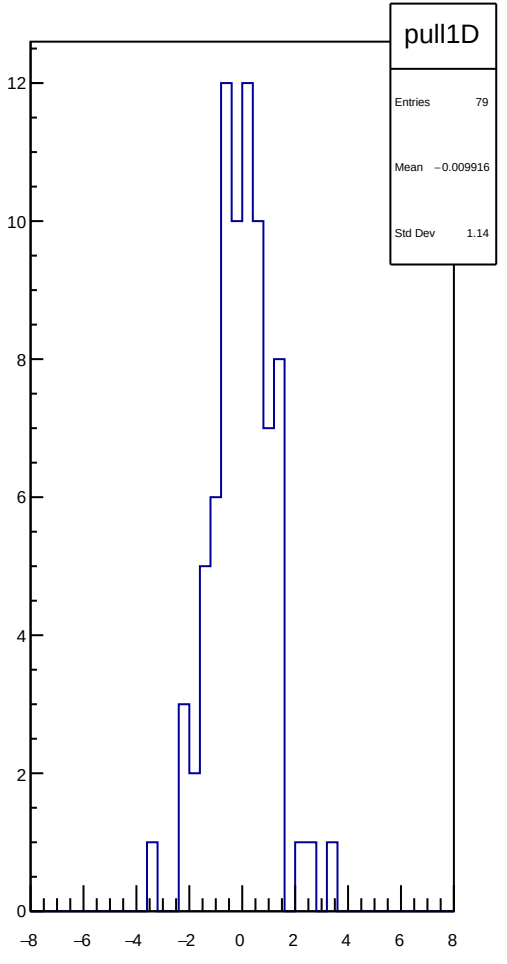

asym_sam_15_48_dd_rms vs run
χ² / ndf 4059 / 78
p0 374.6 ± 0.2995
420
400
380
360
340

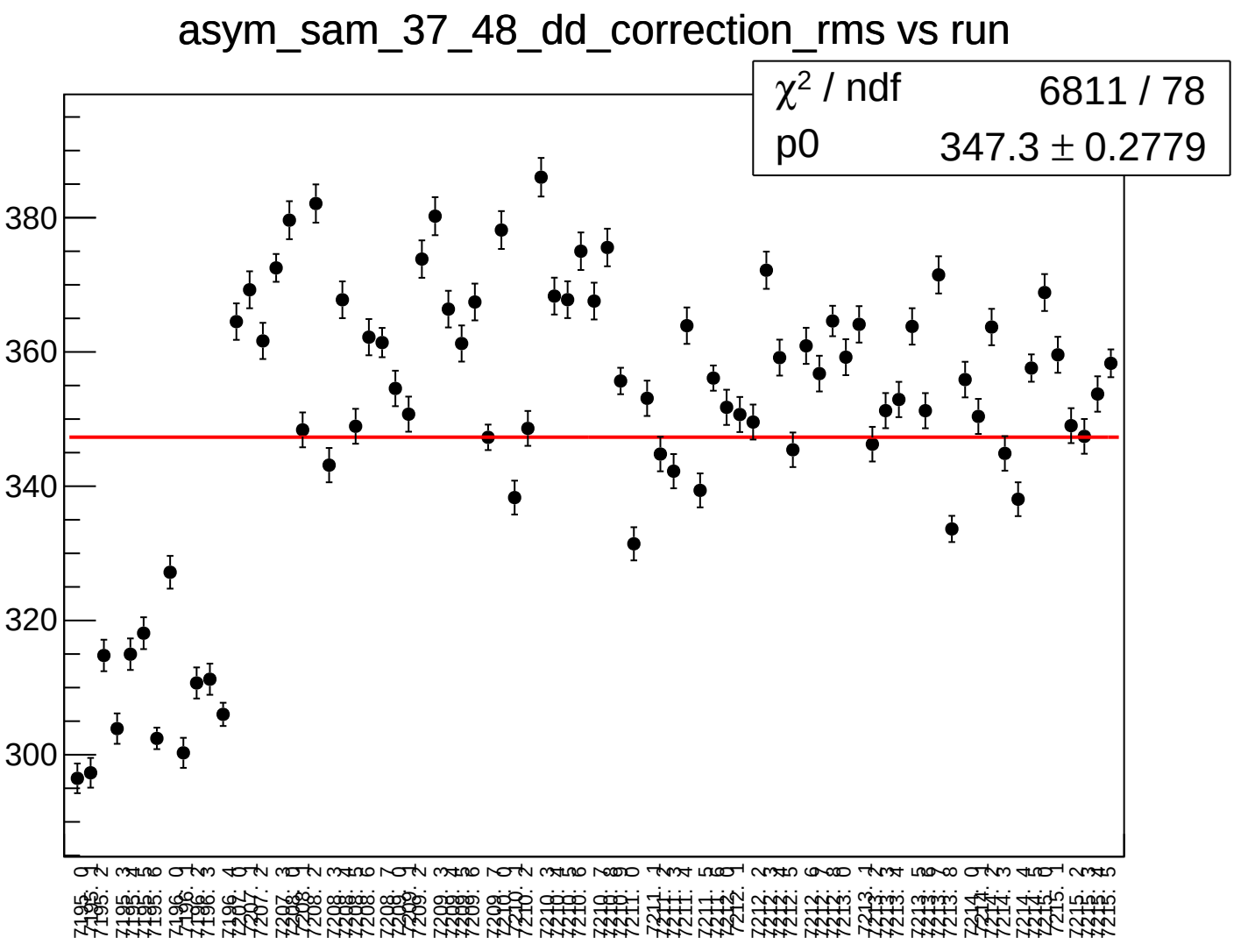

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 79.94 / 78
p0 −16.59 ± 74.64
pull
Entries 79
Mean −102.9
Std Dev 151.3

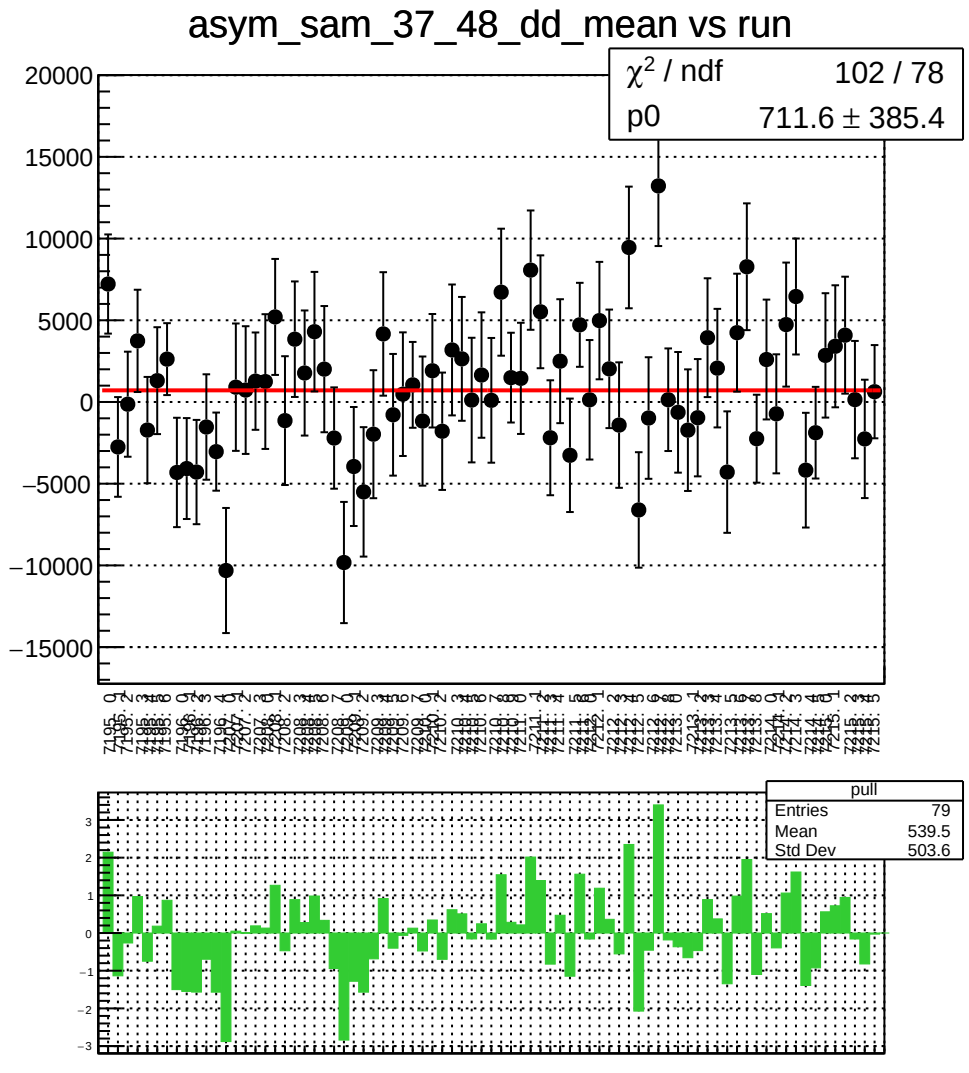

pull1D
Entries 79
Mean −0.01411
Std Dev 1.006

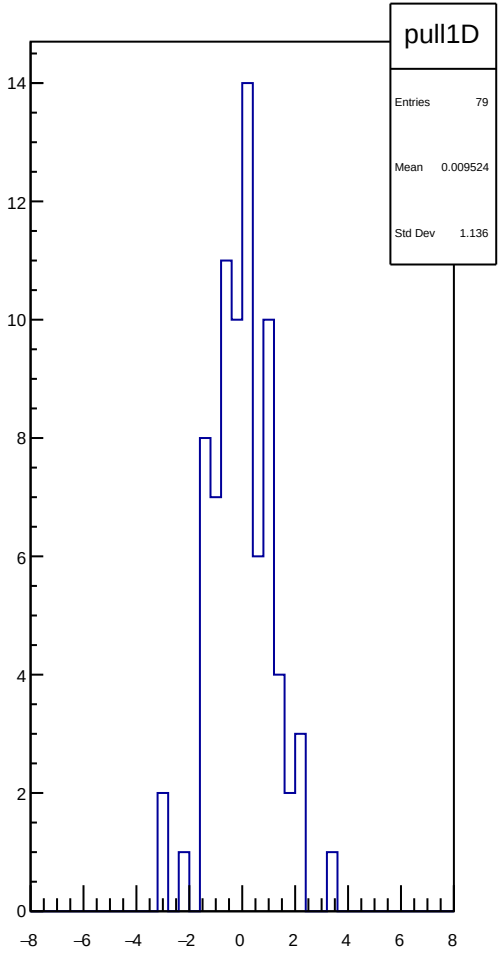

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 3.001e+04 / 78
p0 65.46 ± 0.05278
120
110
100
90
80
70
60

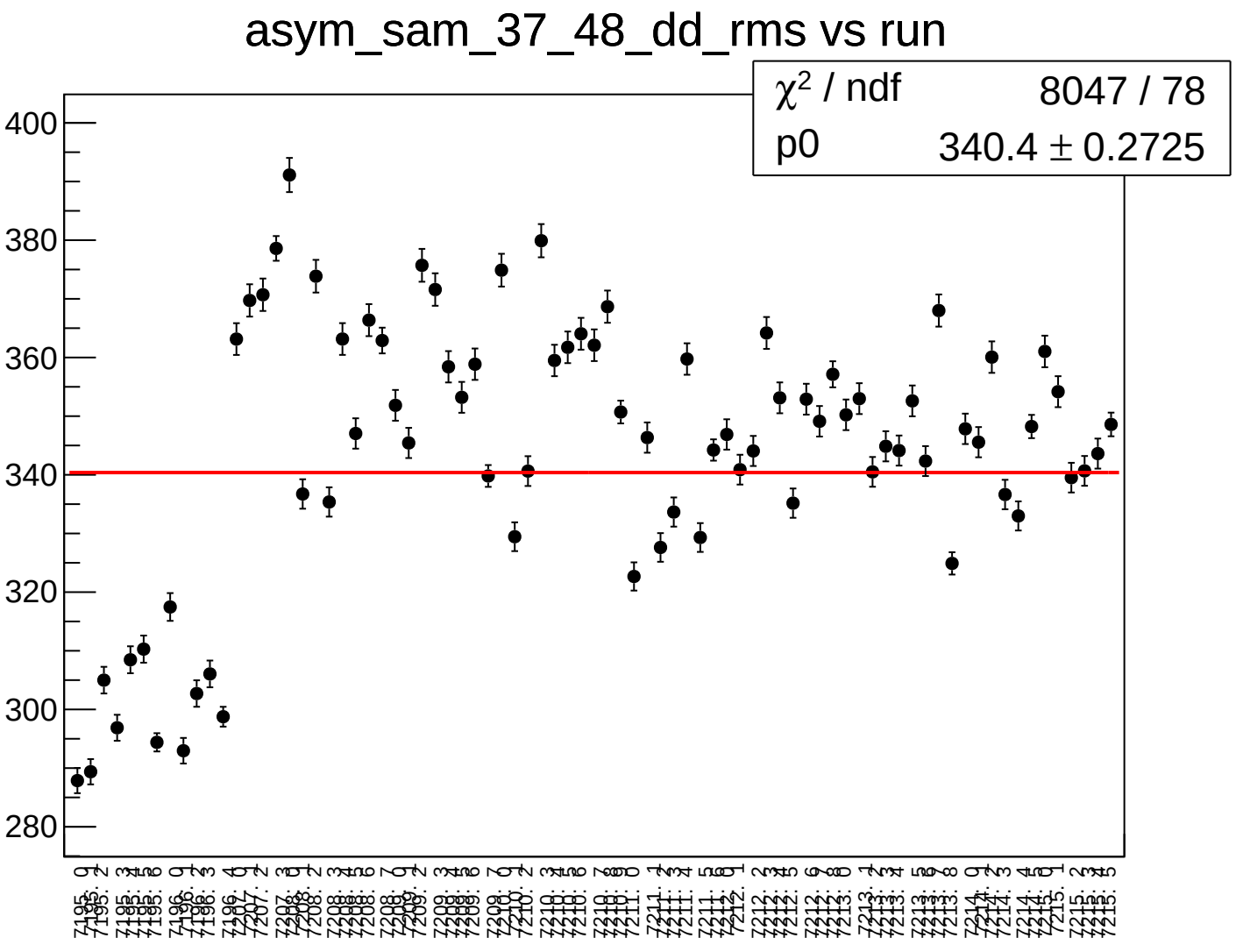

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 102.7 / 78
p0 −742.7 ± 393
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 79
Mean 473.6
Std Dev 439
3
2
1
0
−1
−2
−3

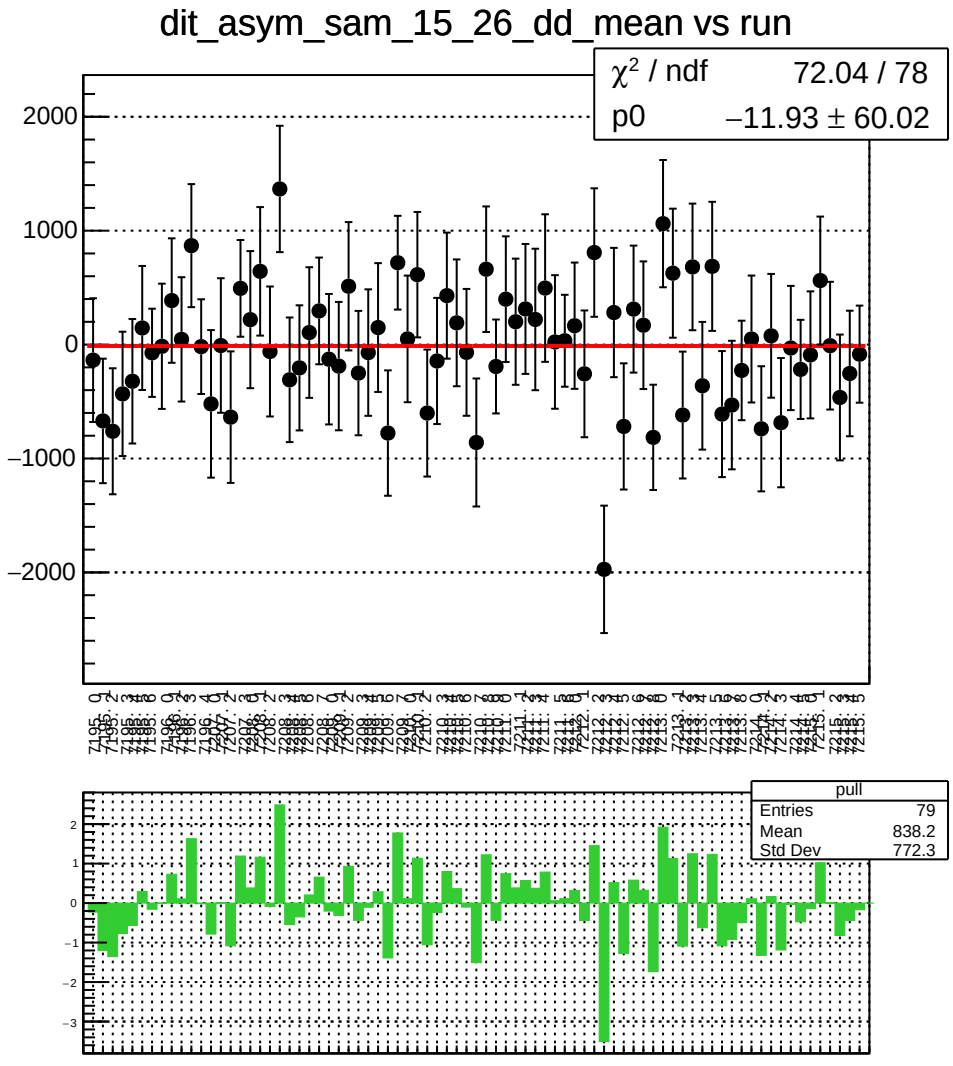

pull1D
Entries 79
Mean −0.009916
Std Dev 1.14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

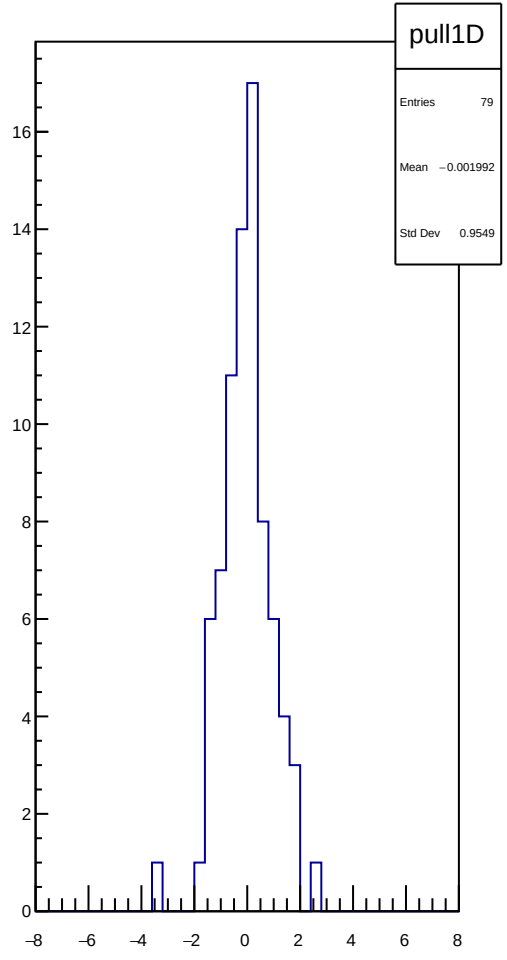

asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 6811 / 78
p0 347.3 ± 0.2779
380
360
340
320
300

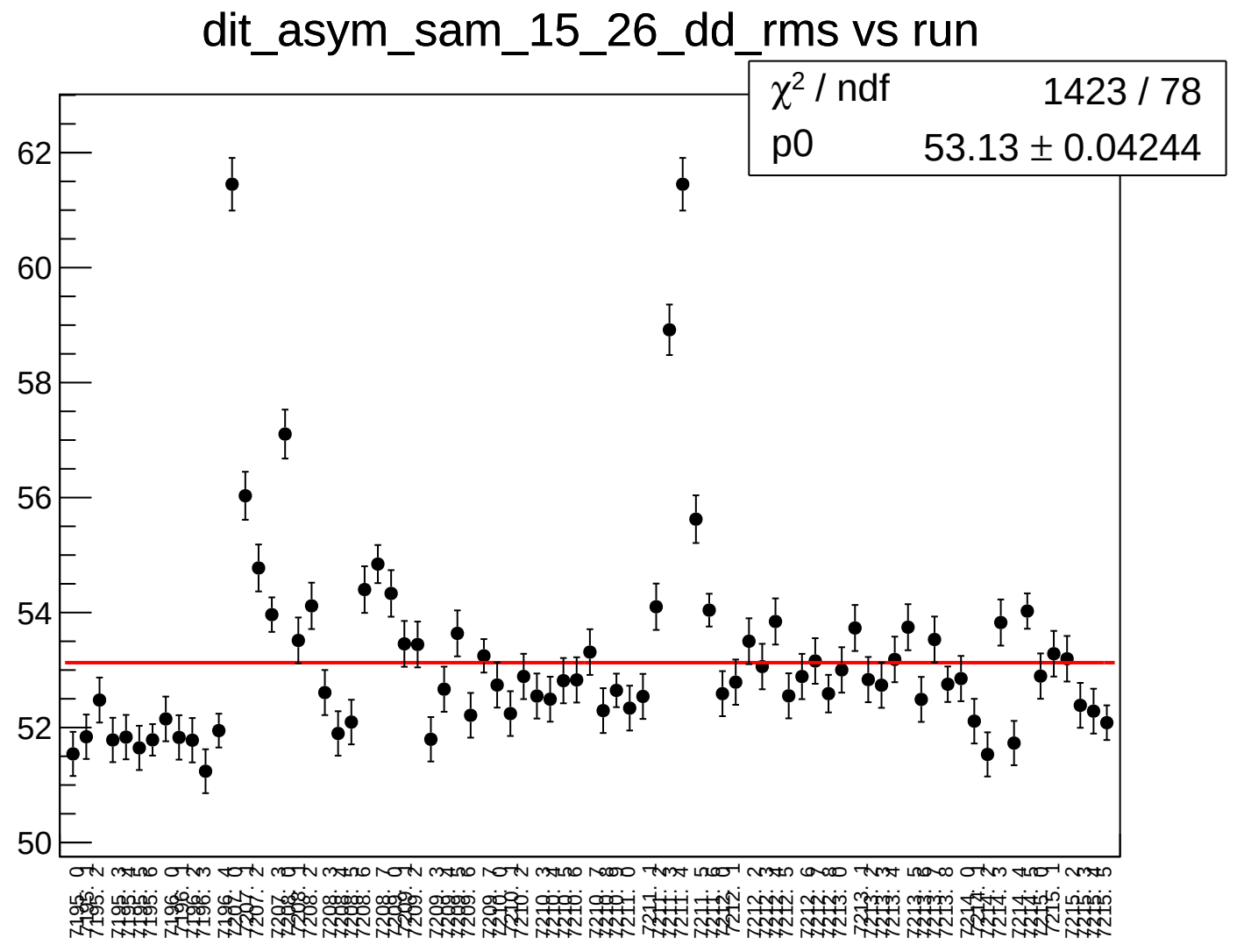

asym_sam_37_48_dd_mean vs run
χ² / ndf 102 / 78
p0 711.6 ± 385.4
pull
Entries 79
Mean 539.5
Std Dev 503.6

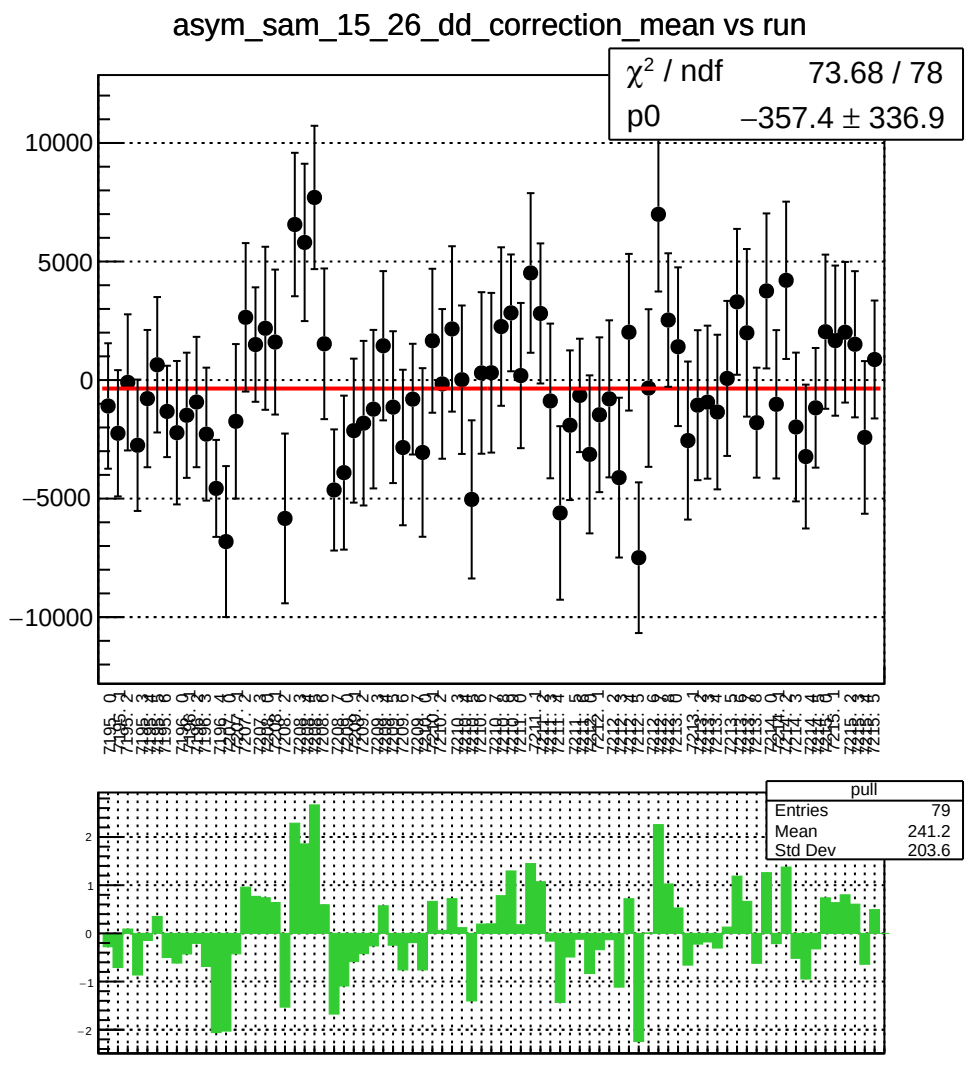

pull1D
Entries 79
Mean 0.009524
Std Dev 1.136

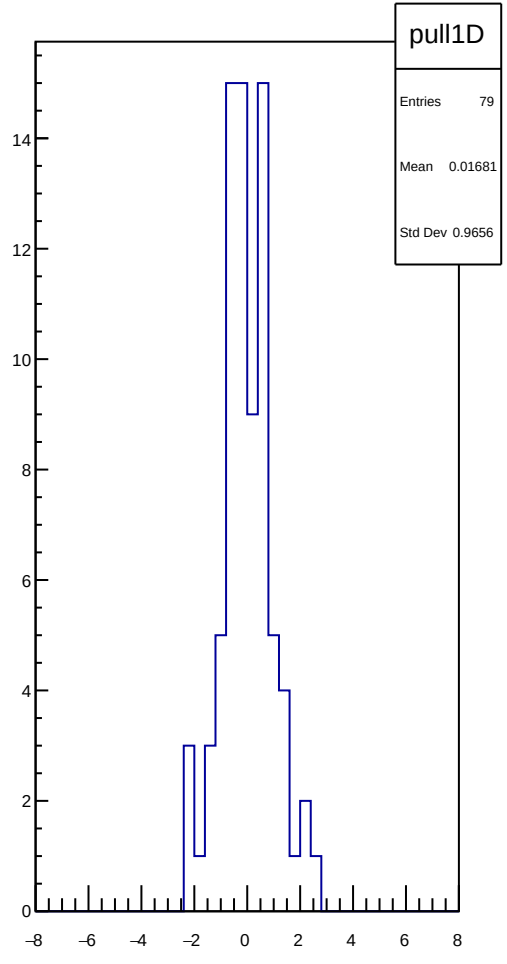

asym_sam_37_48_dd_rms vs run
χ² / ndf 8047 / 78
p0 340.4 ± 0.2725
400
380
360
340
320
300
280

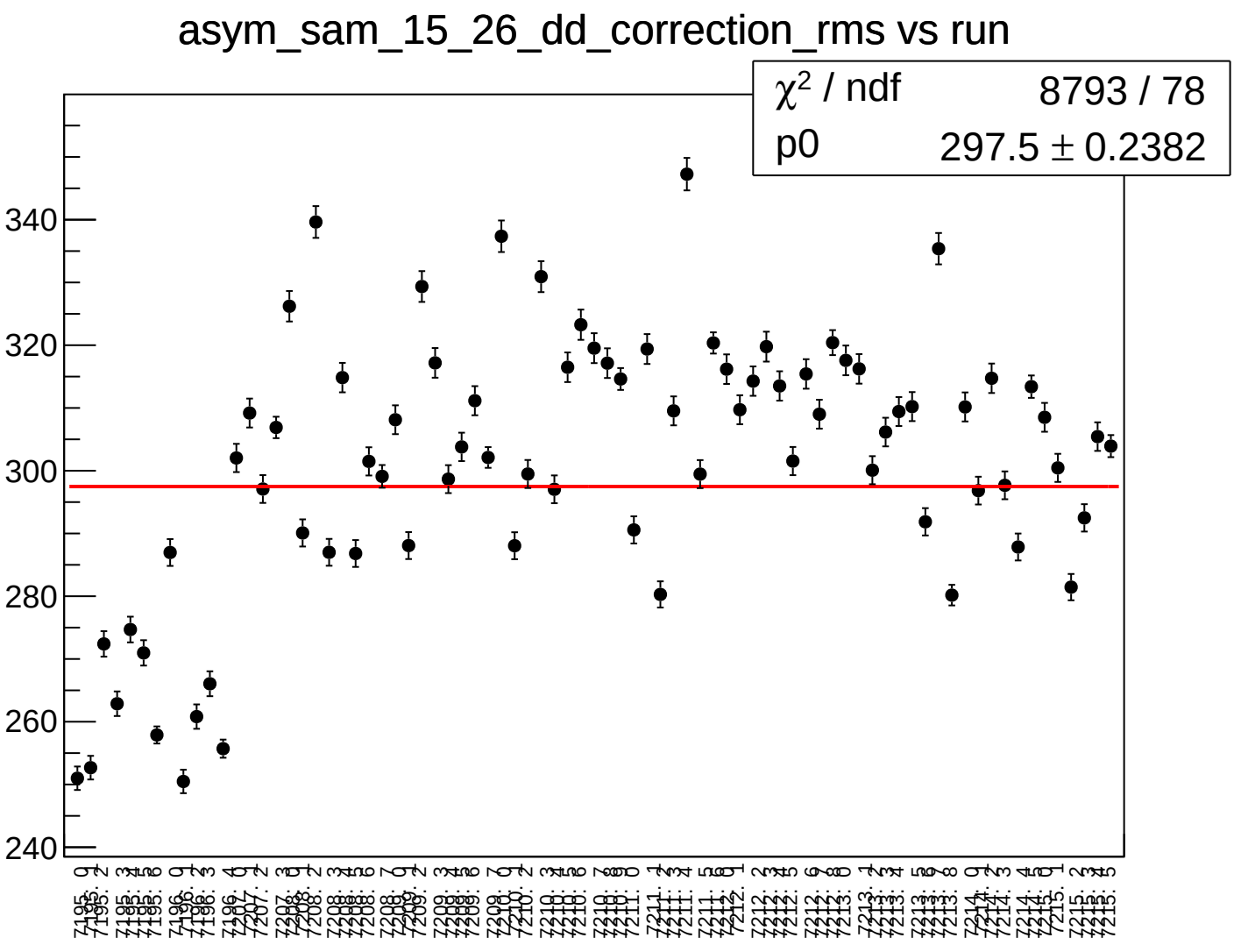

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 72.04 / 78
p0 −11.93 ± 60.02
2000
1000
0
−1000
−2000
pull
Entries 79
Mean 838.2
Std Dev 772.3
2
1
0
−1
−2
−3

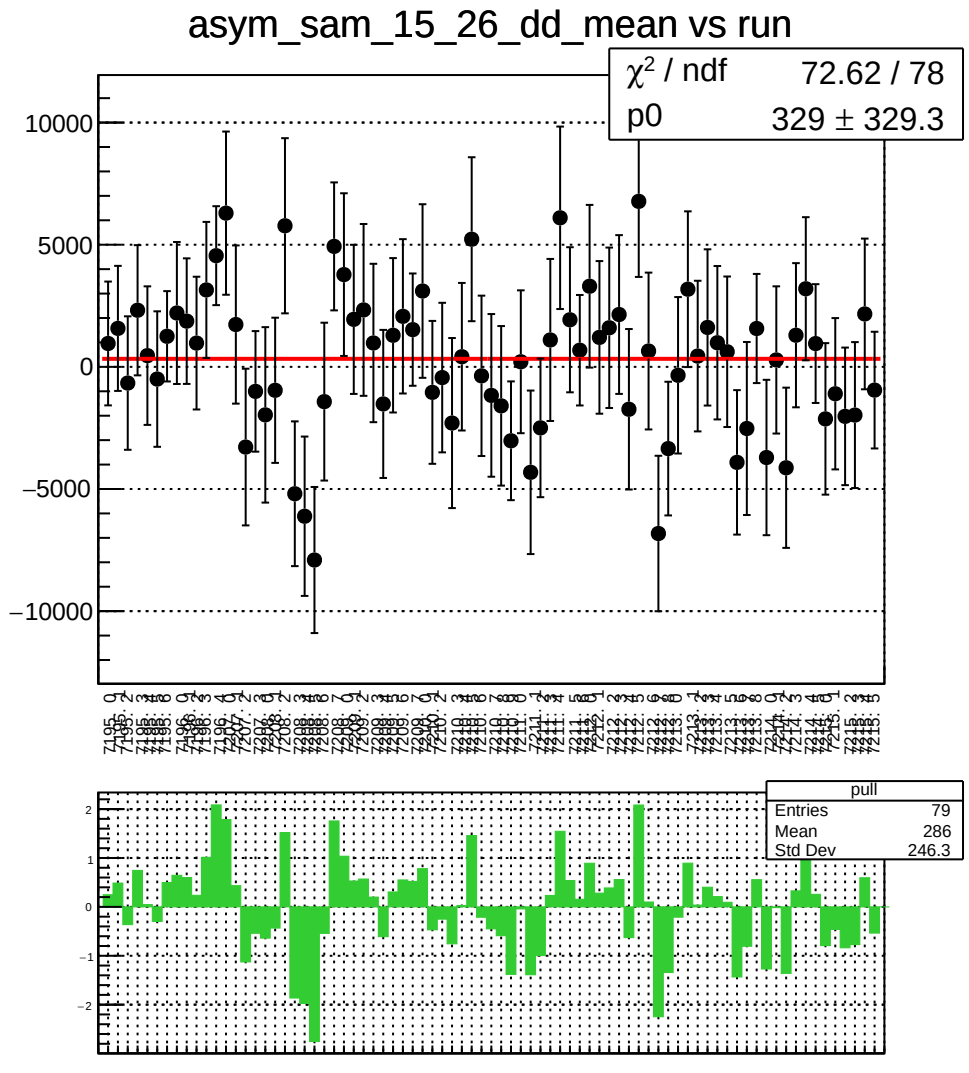

pull1D
Entries 79
Mean −0.001992
Std Dev 0.9549
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

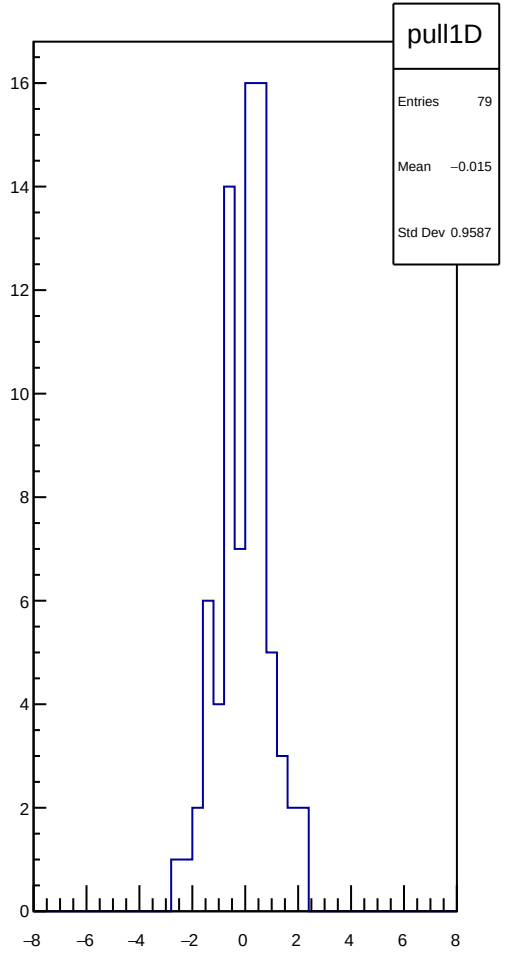

dit_asym_sam_15_26_dd_rms vs run
χ^2 / ndf 1423 / 78
p0 53.13 ± 0.04244
62
60
58
56
54
52
50

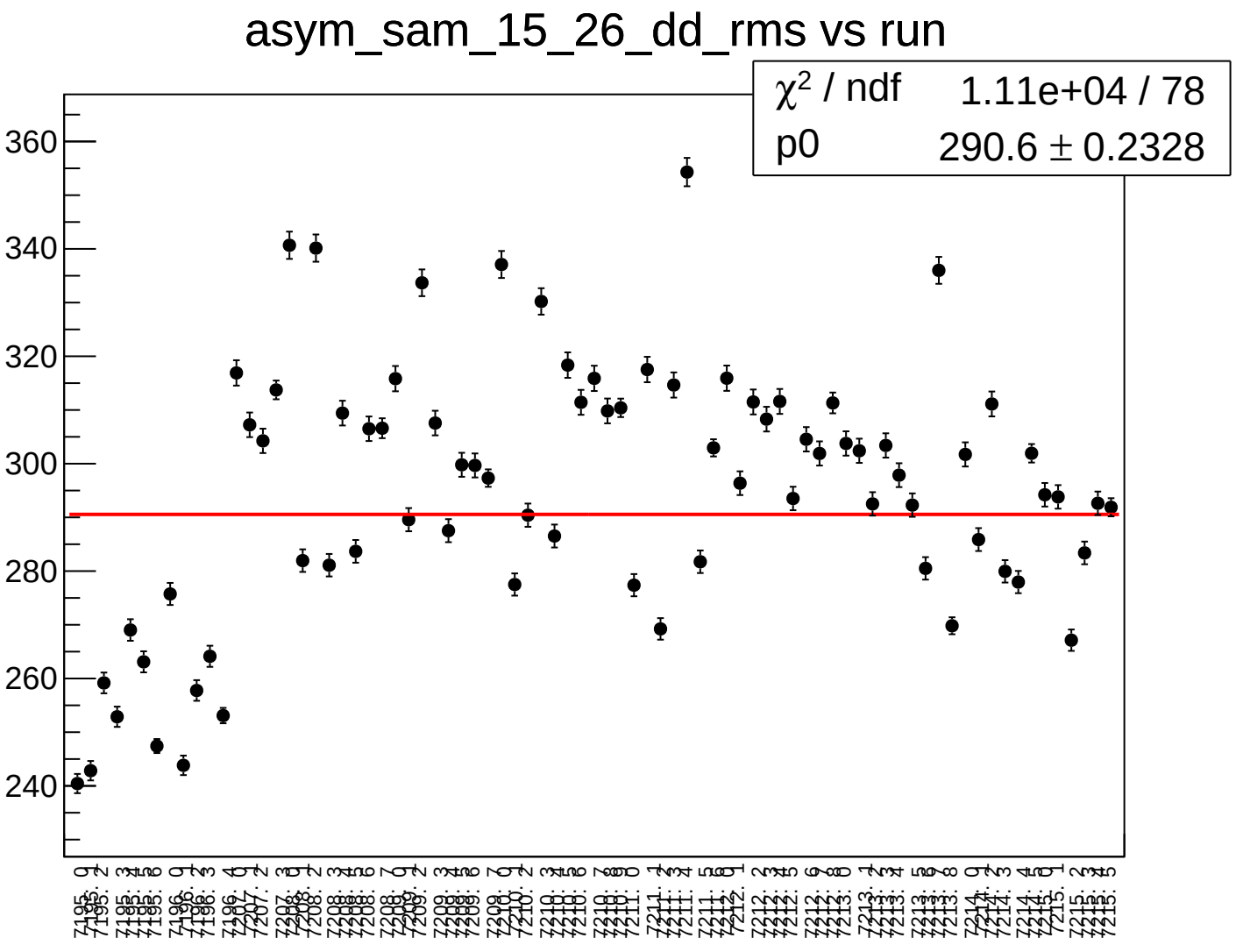

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 73.68 / 78
p0 −357.4 ± 336.9
10000
5000
0
−5000
−10000
pull
Entries 79
Mean 241.2
Std Dev 203.6
2
1
0
−1
−2

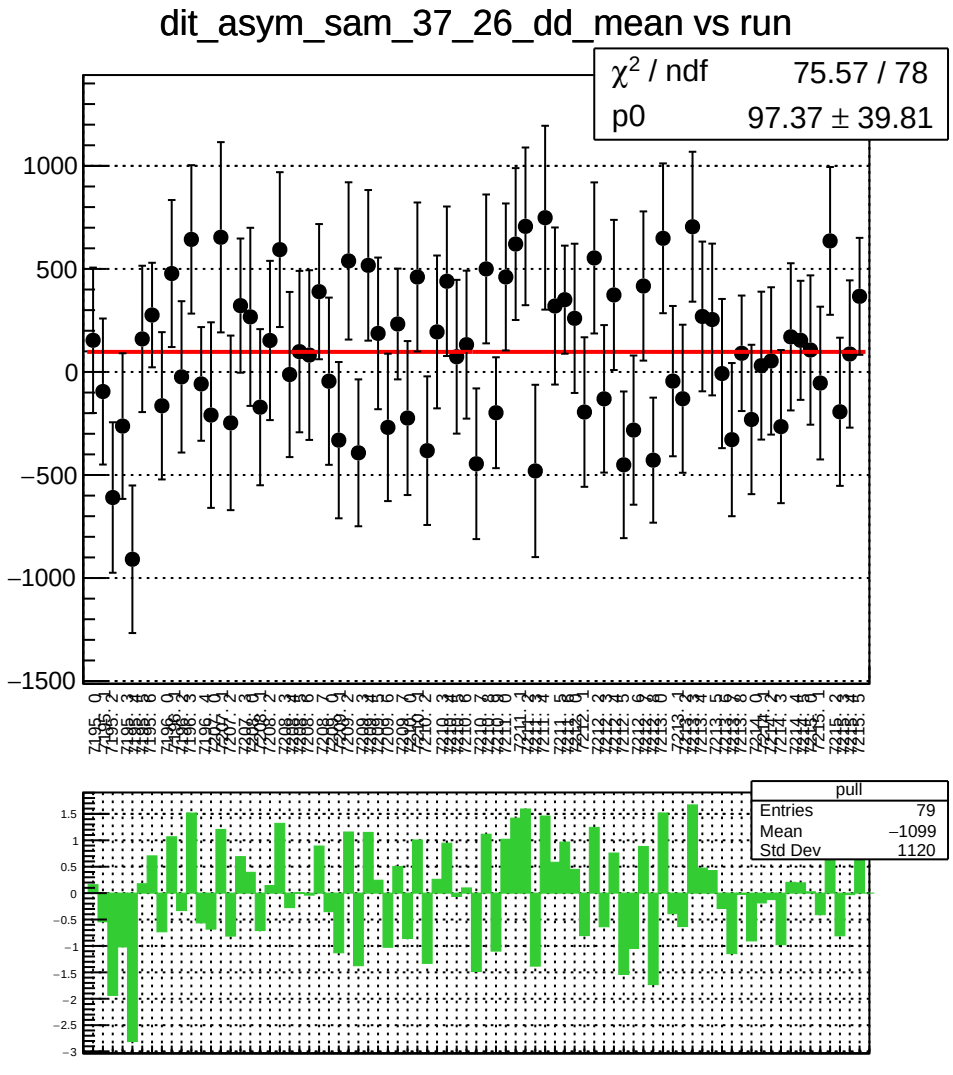

pull1D
Entries 79
Mean 0.01681
Std Dev 0.9656
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

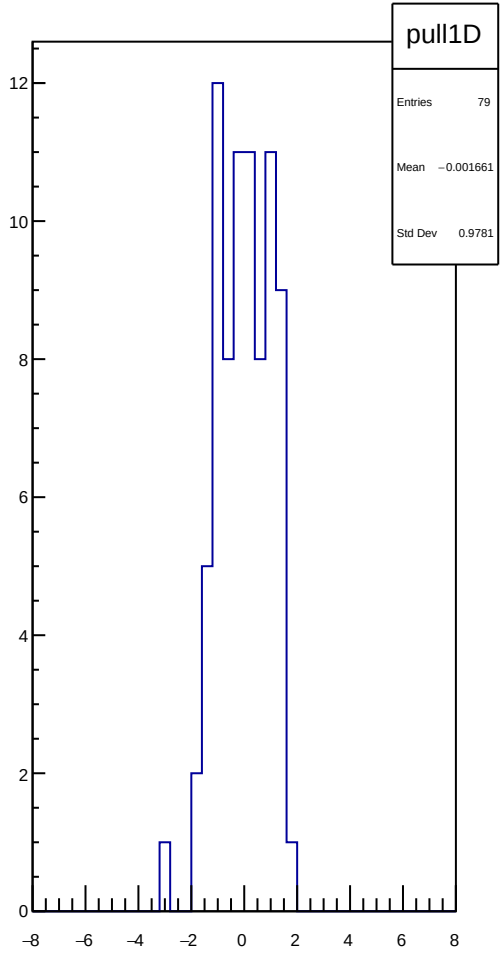

asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 8793 / 78
p0 297.5 ± 0.2382
340
320
300
280
260
240

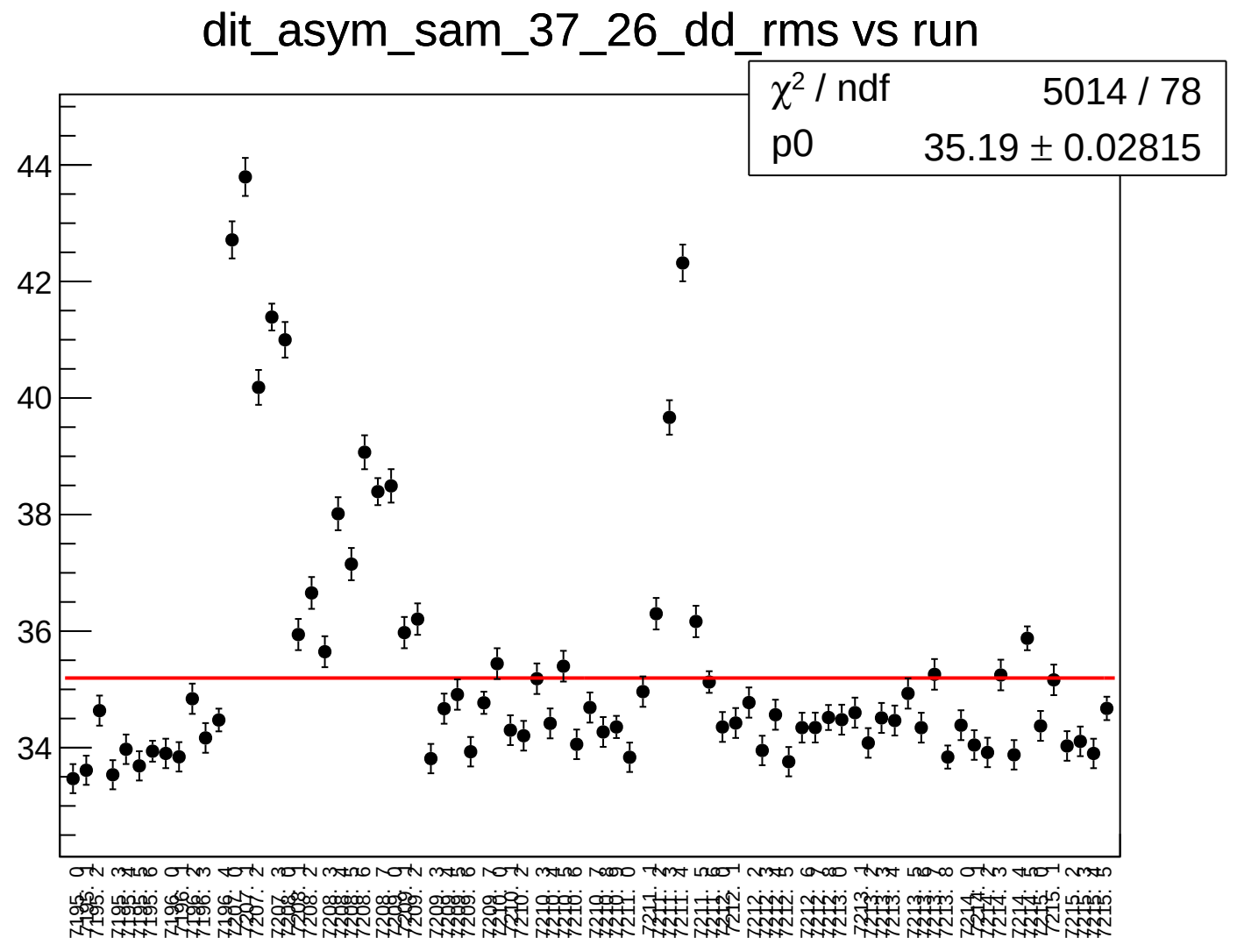

asym_sam_15_26_dd_mean vs run
χ² / ndf 72.62 / 78
p0 329 ± 329.3
10000
5000
0
−5000
−10000
pull
Entries 79
Mean 286
Std Dev 246.3
2
1
0
−1
−2

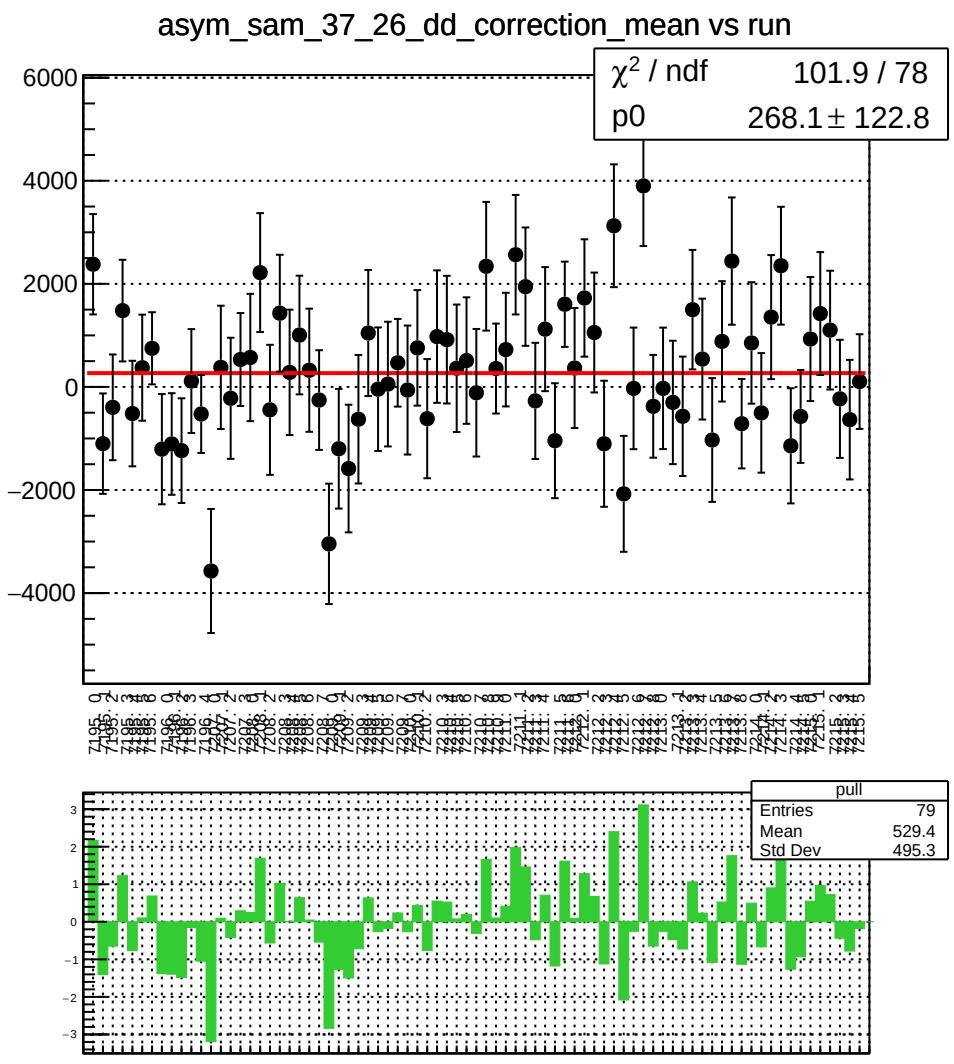

pull1D
Entries 79
Mean −0.015
Std Dev 0.9587
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

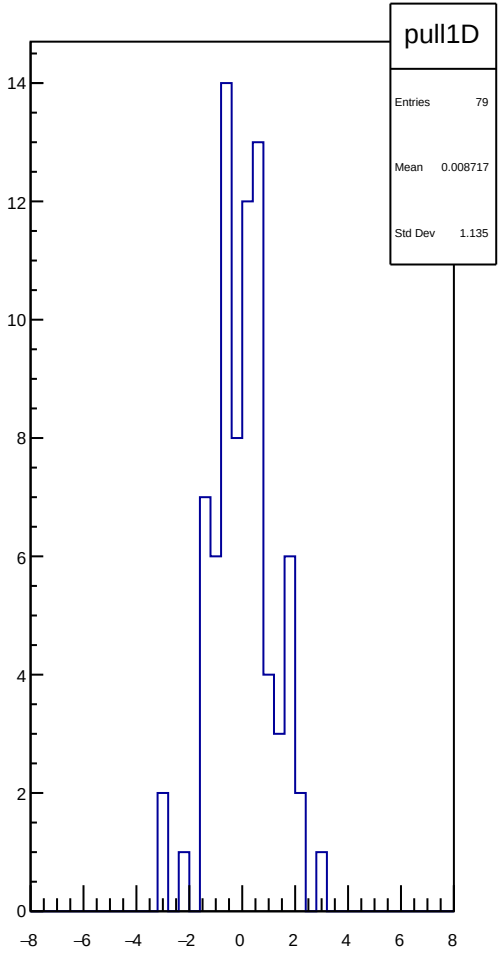

asym_sam_15_26_dd_rms vs run
χ² / ndf 1.11e+04 / 78
p0 290.6 ± 0.2328
360
340
320
300
280
260
240

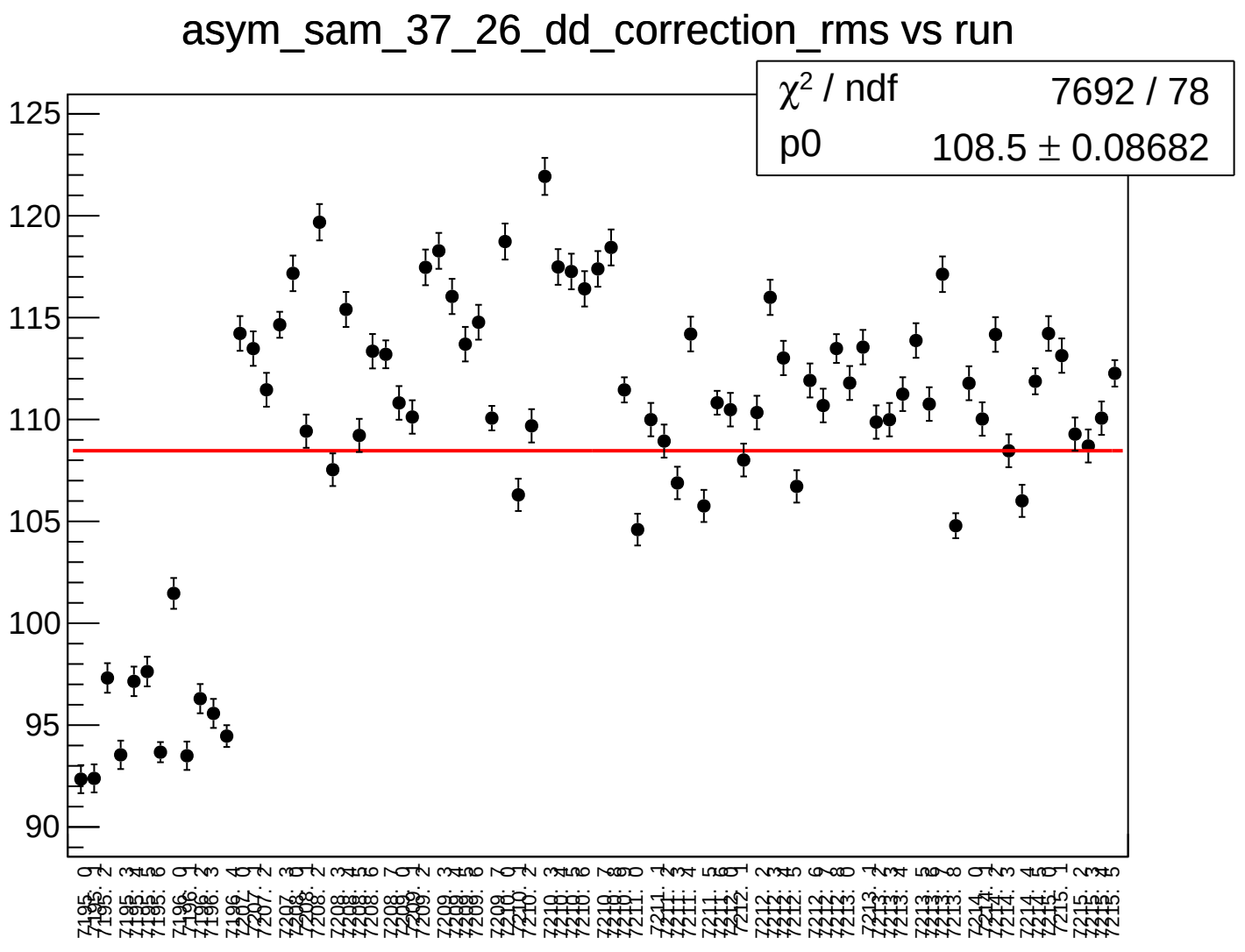

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 75.57 / 78
p0 97.37 ± 39.81
1000
500
0
−500
−1000
−1500
pull
Entries 79
Mean −1099
Std Dev 1120
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

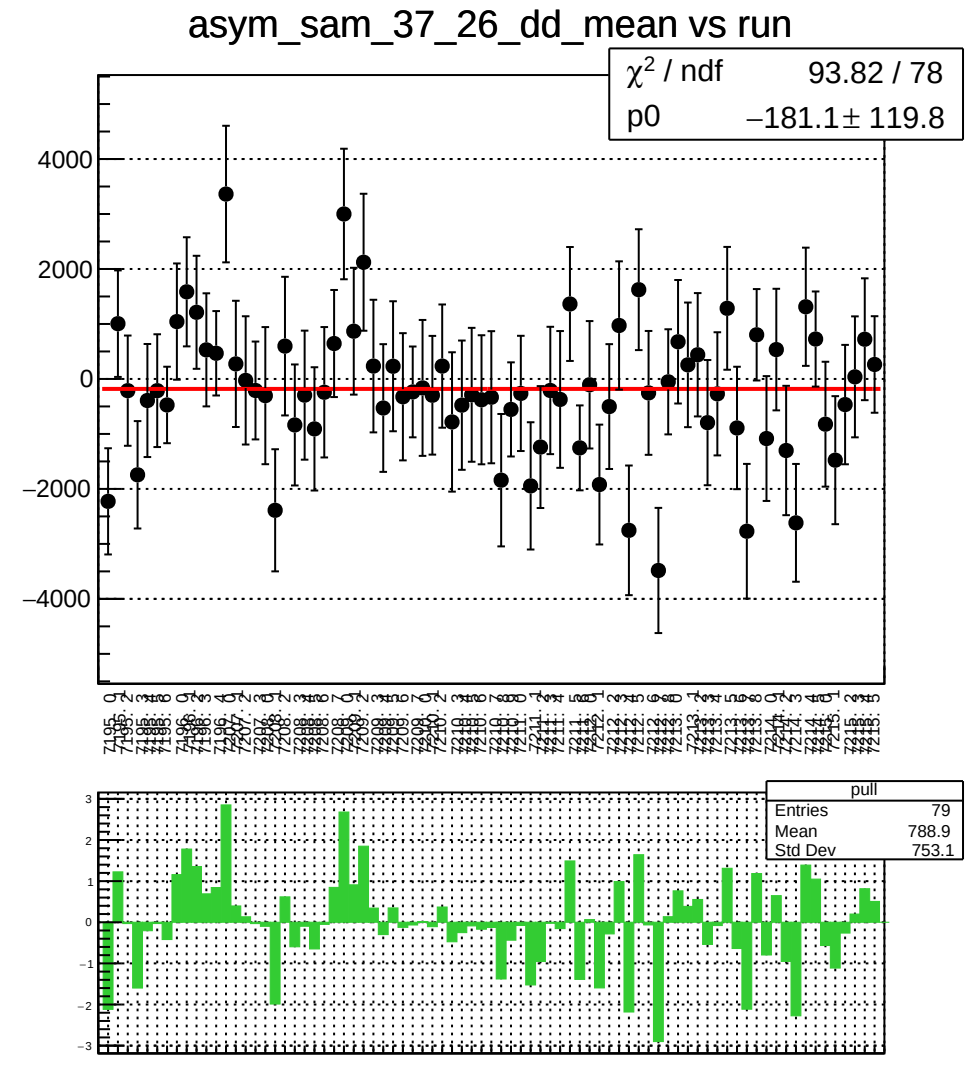

pull1D
Entries 79
Mean −0.001661
Std Dev 0.9781
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

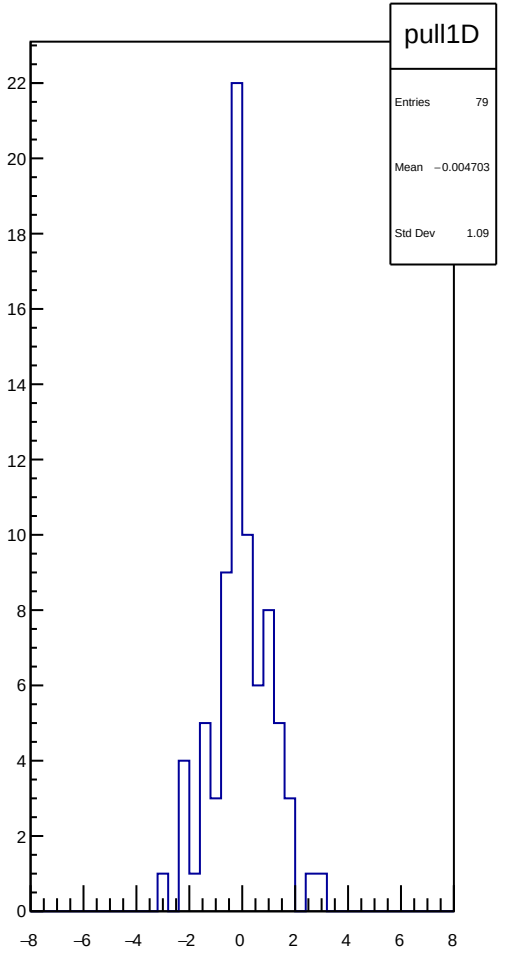

dit_asym_sam_37_26_dd_rms vs run
χ^2 / ndf 5014 / 78
p0 35.19 ± 0.02815
44
42
40
38
36
34

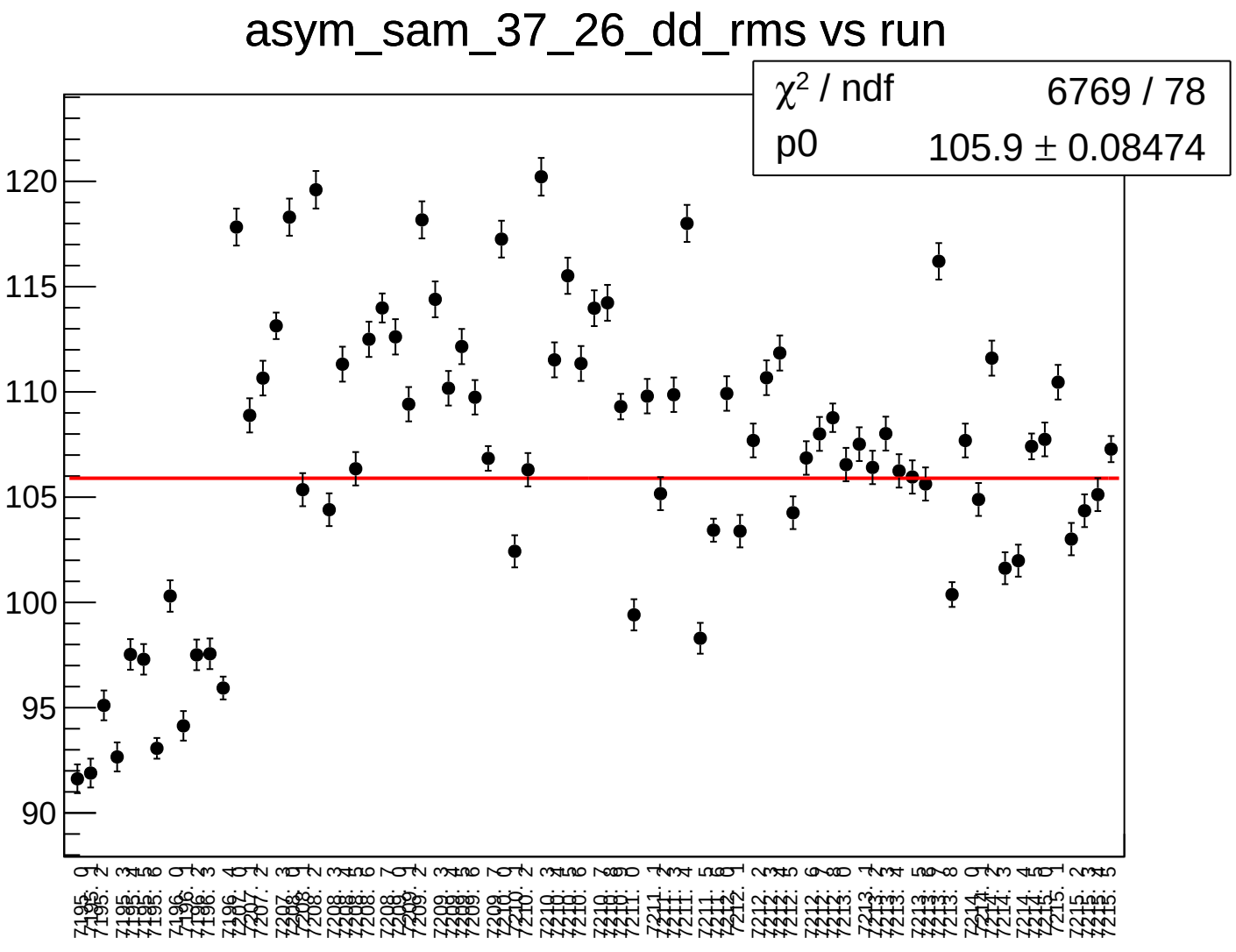

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 101.9 / 78
p0 268.1 ± 122.8
pull
Entries 79
Mean 529.4
Std Dev 495.3

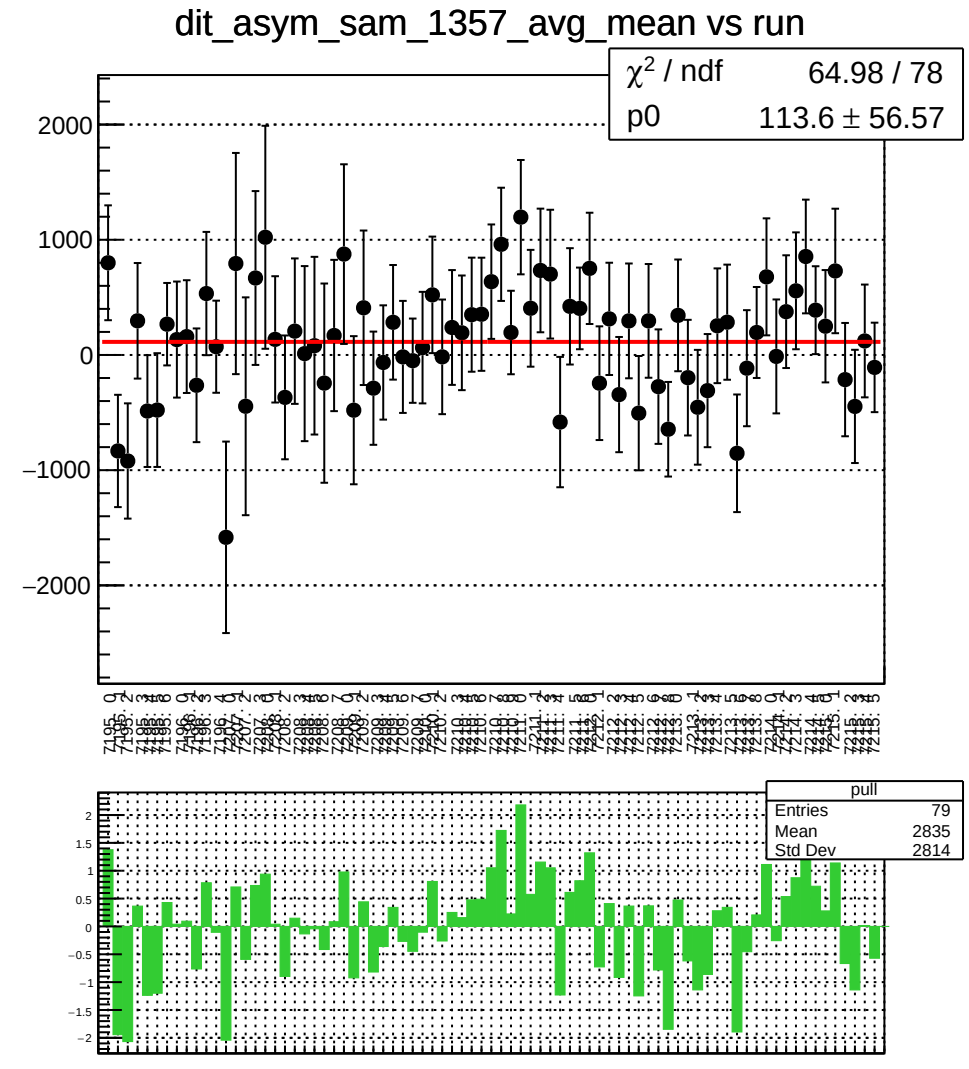

pull1D
Entries 79
Mean 0.008717
Std Dev 1.135

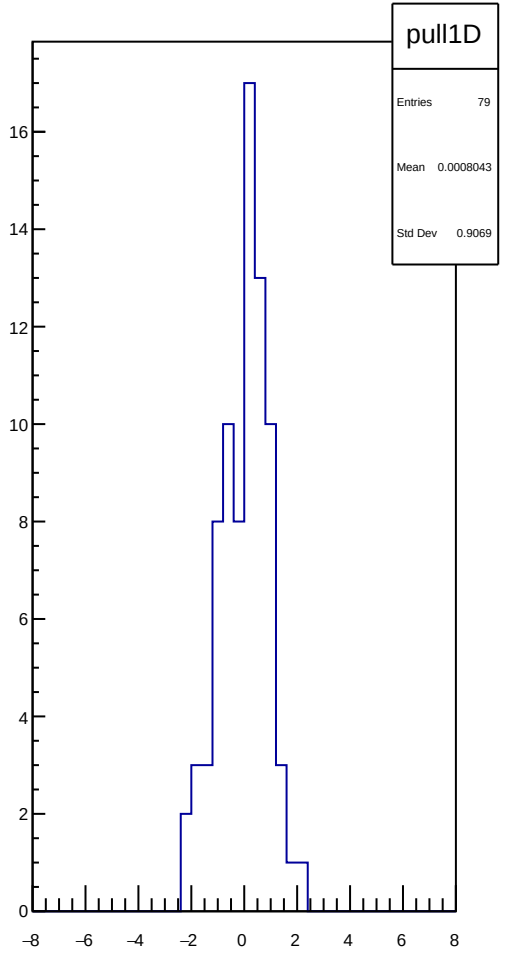

asym_sam_37_26_dd_correction_rms vs run
χ² / ndf 7692 / 78
p0 108.5 ± 0.08682
125
120
115
110
105
100
95
90

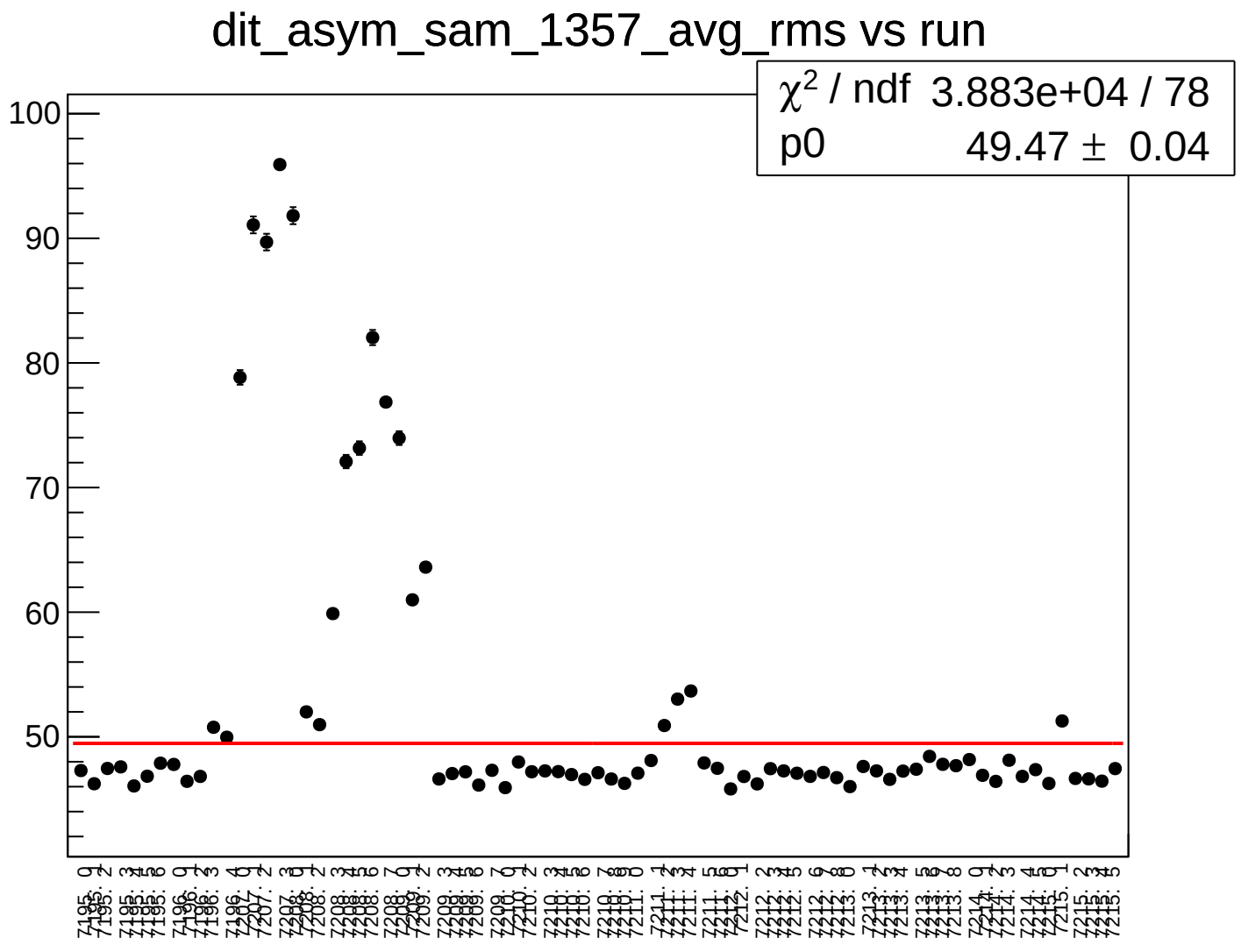

asym_sam_37_26_dd_mean vs run
χ² / ndf 93.82 / 78
p0 −181.1± 119.8
4000
2000
0
−2000
−4000
pull
Entries 79
Mean 788.9
Std Dev 753.1
3
2
1
0
−1
−2
−3

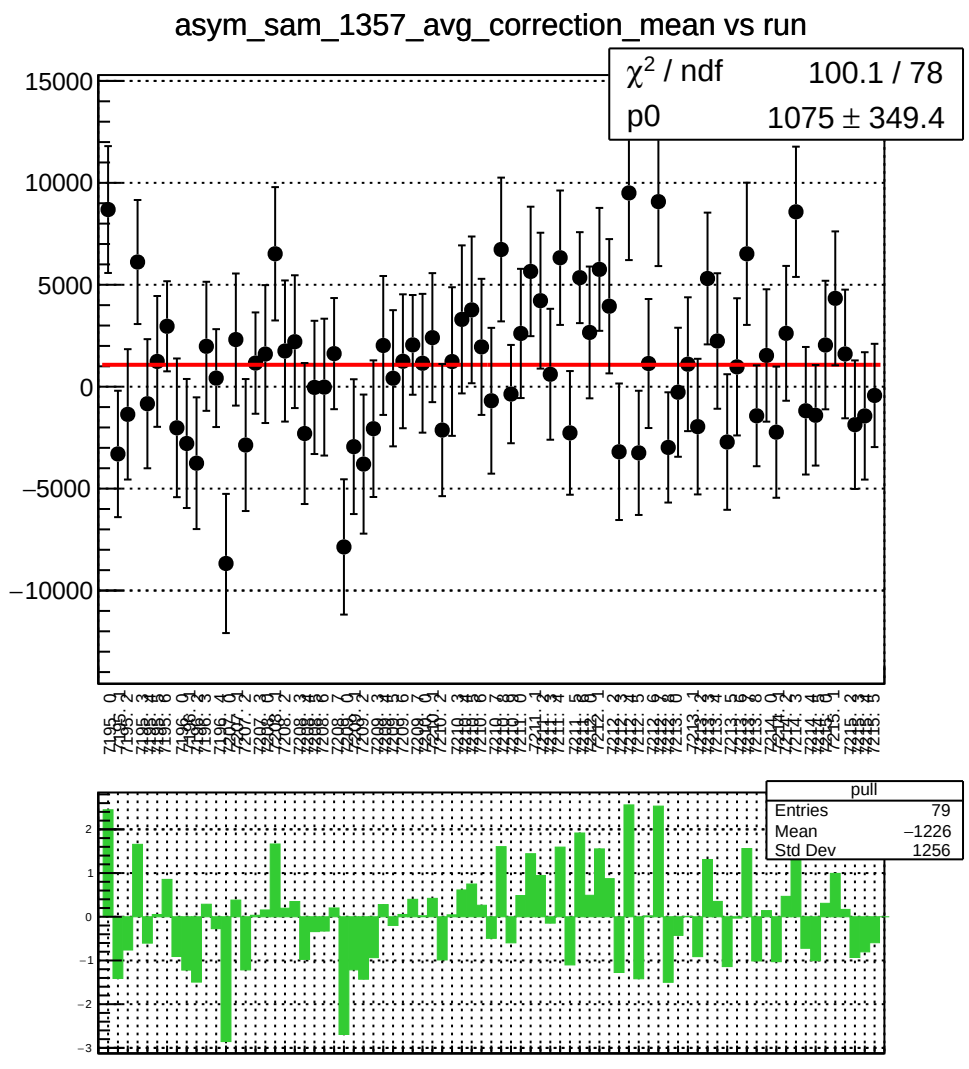

pull1D
Entries 79
Mean −0.004703
Std Dev 1.09
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

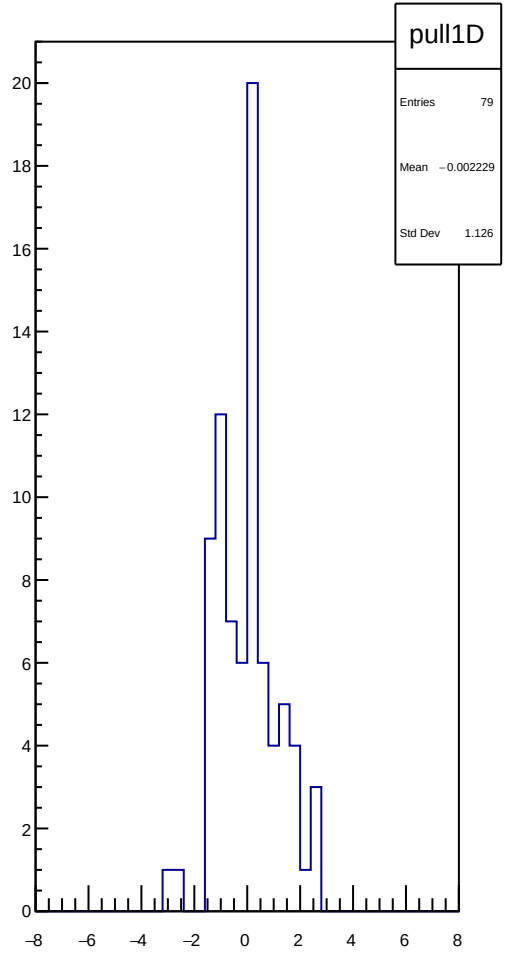

asym_sam_37_26_dd_rms vs run
χ² / ndf 6769 / 78
p0 105.9 ± 0.08474
120
115
110
105
100
95
90

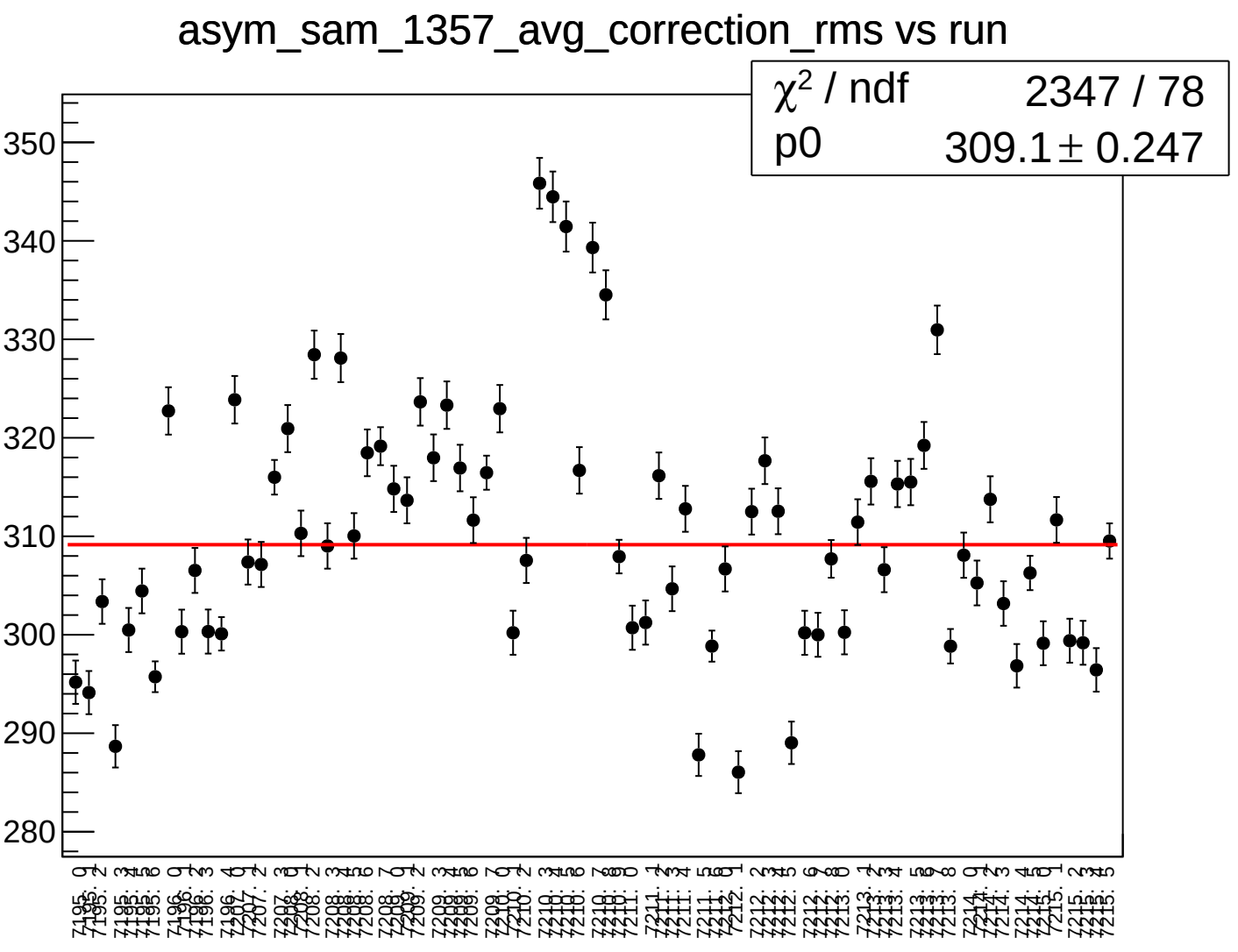

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 64.98 / 78
p0 113.6 ± 56.57
2000
1000
0
−1000
−2000
pull
Entries 79
Mean 2835
Std Dev 2814
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

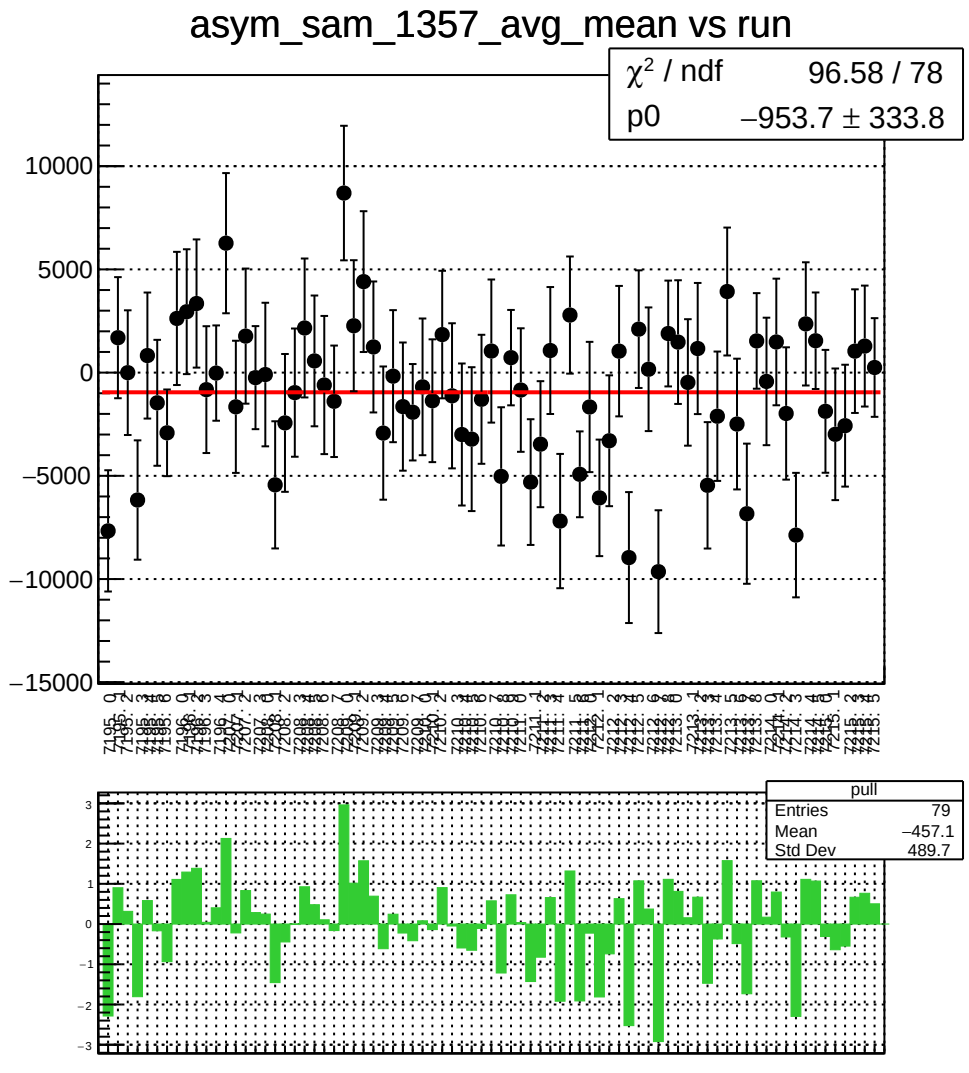

pull1D
Entries 79
Mean 0.0008043
Std Dev 0.9069
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

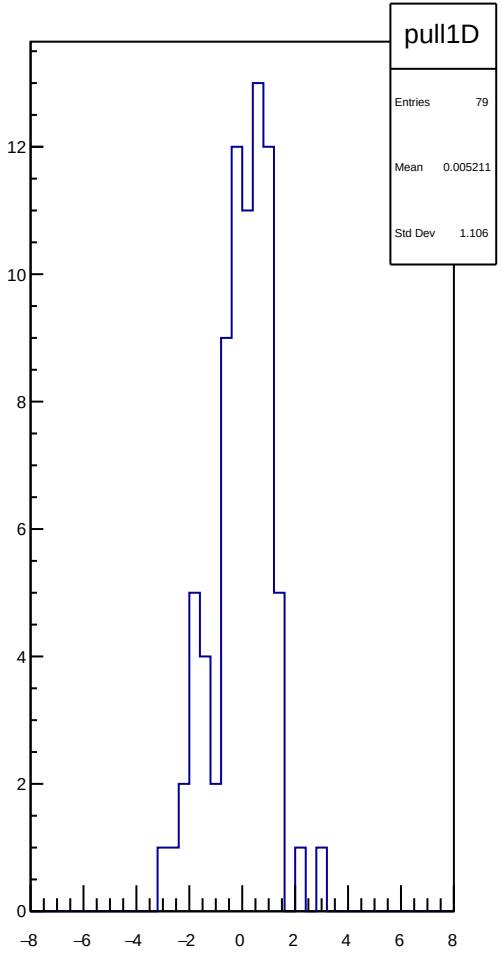

dit_asym_sam_1357_avg_rms vs run
χ² / ndf 3.883e+04 / 78
p0 49.47 ± 0.04
100
90
80
70
60
50

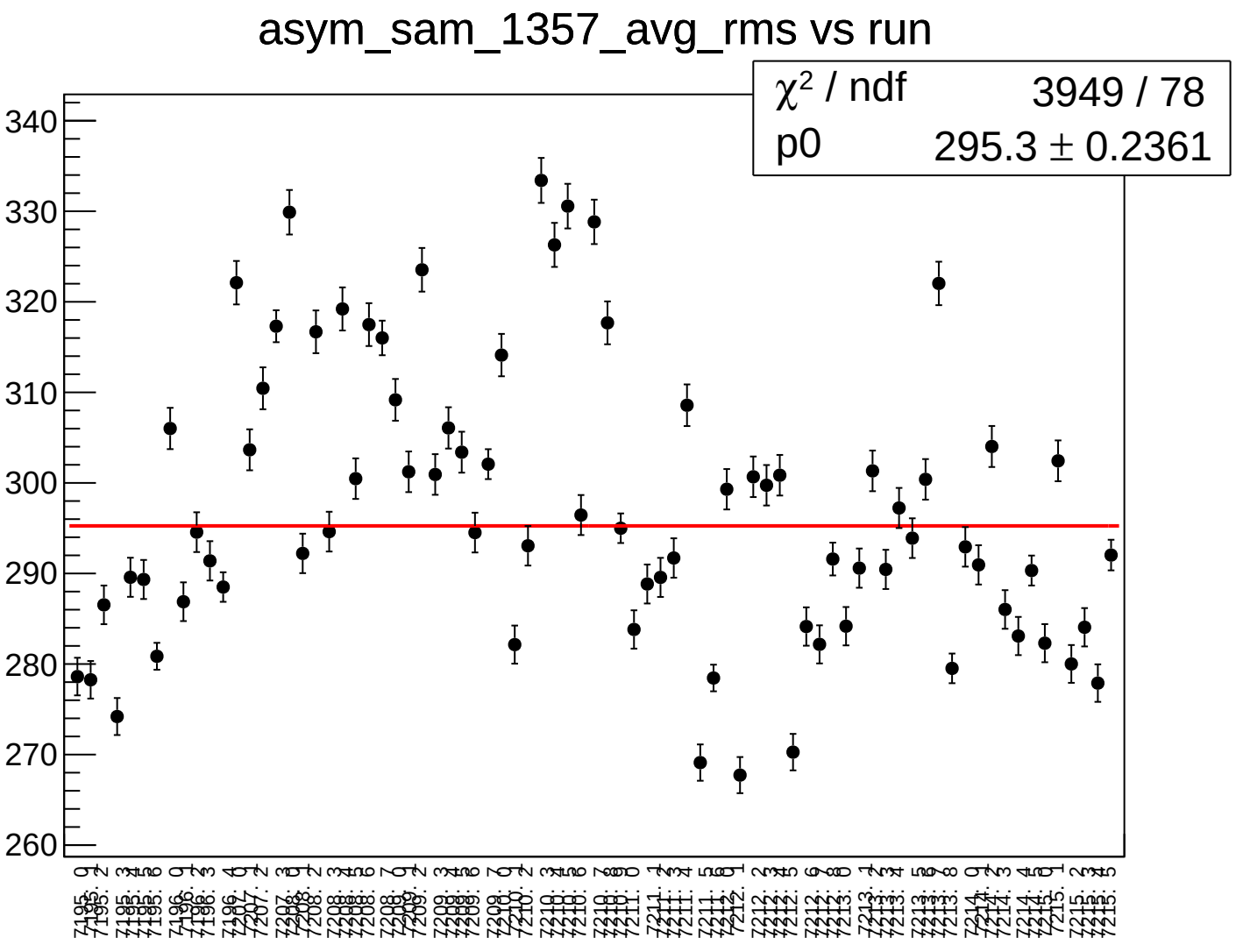

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 100.1 / 78
p0 1075 ± 349.4
15000
10000
5000
0
−5000
−10000
pull
Entries 79
Mean −1226
Std Dev 1256
2
1
0
−1
−2
−3

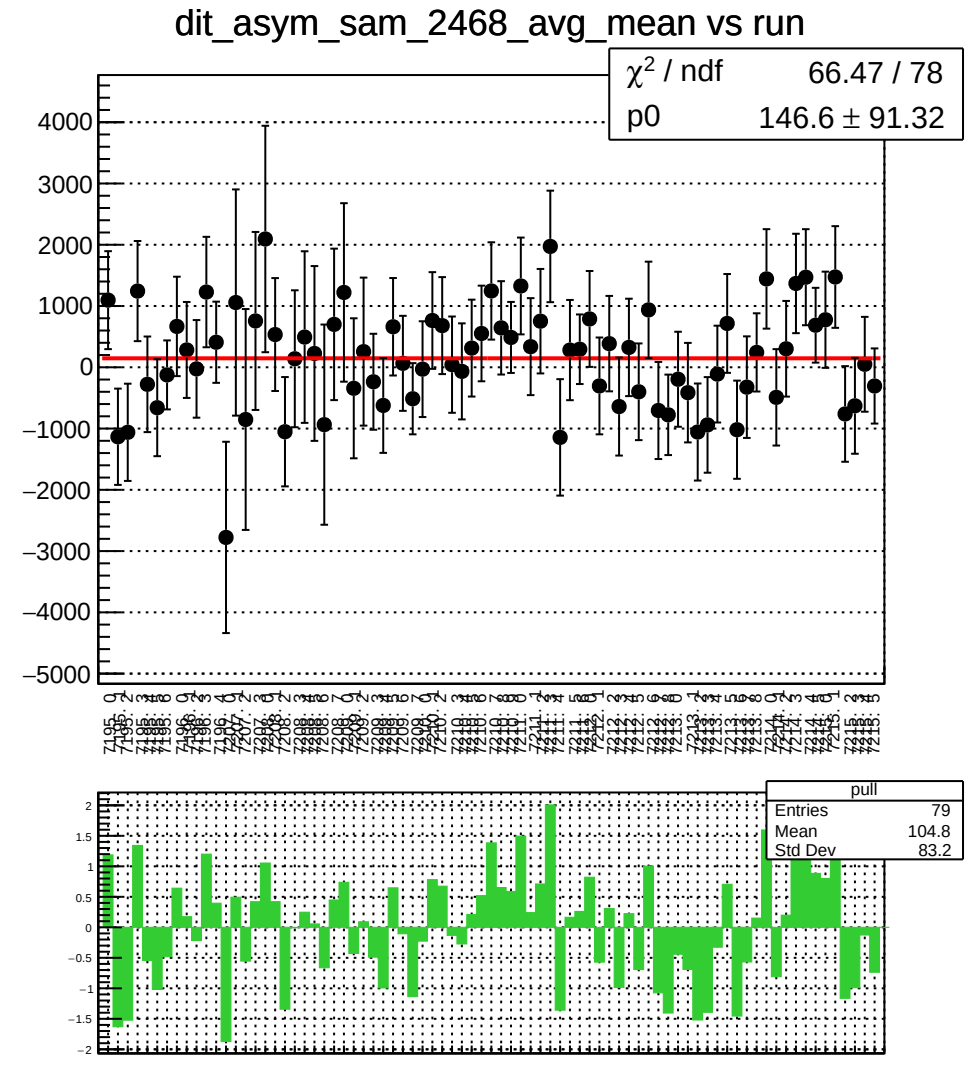

pull1D
Entries 79
Mean −0.002229
Std Dev 1.126
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

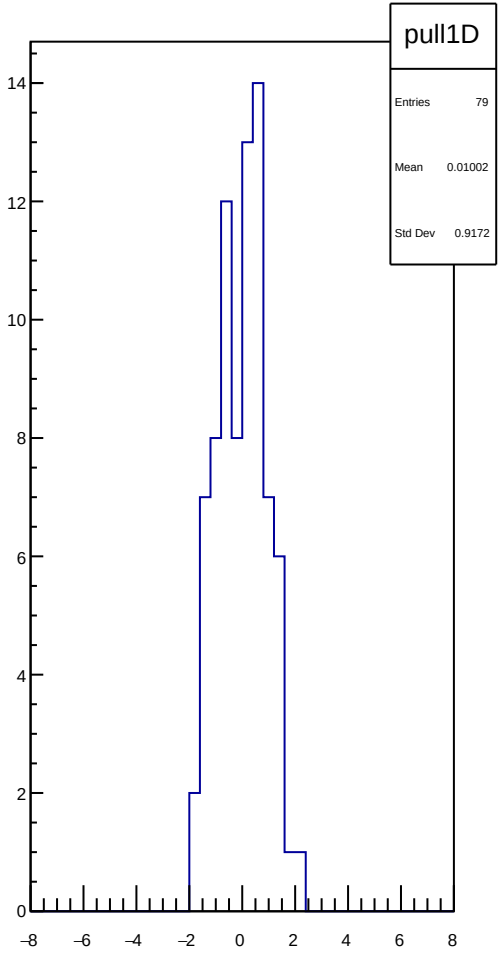

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 2347 / 78
p0 309.1 ± 0.247
350
340
330
320
310
300
290
280

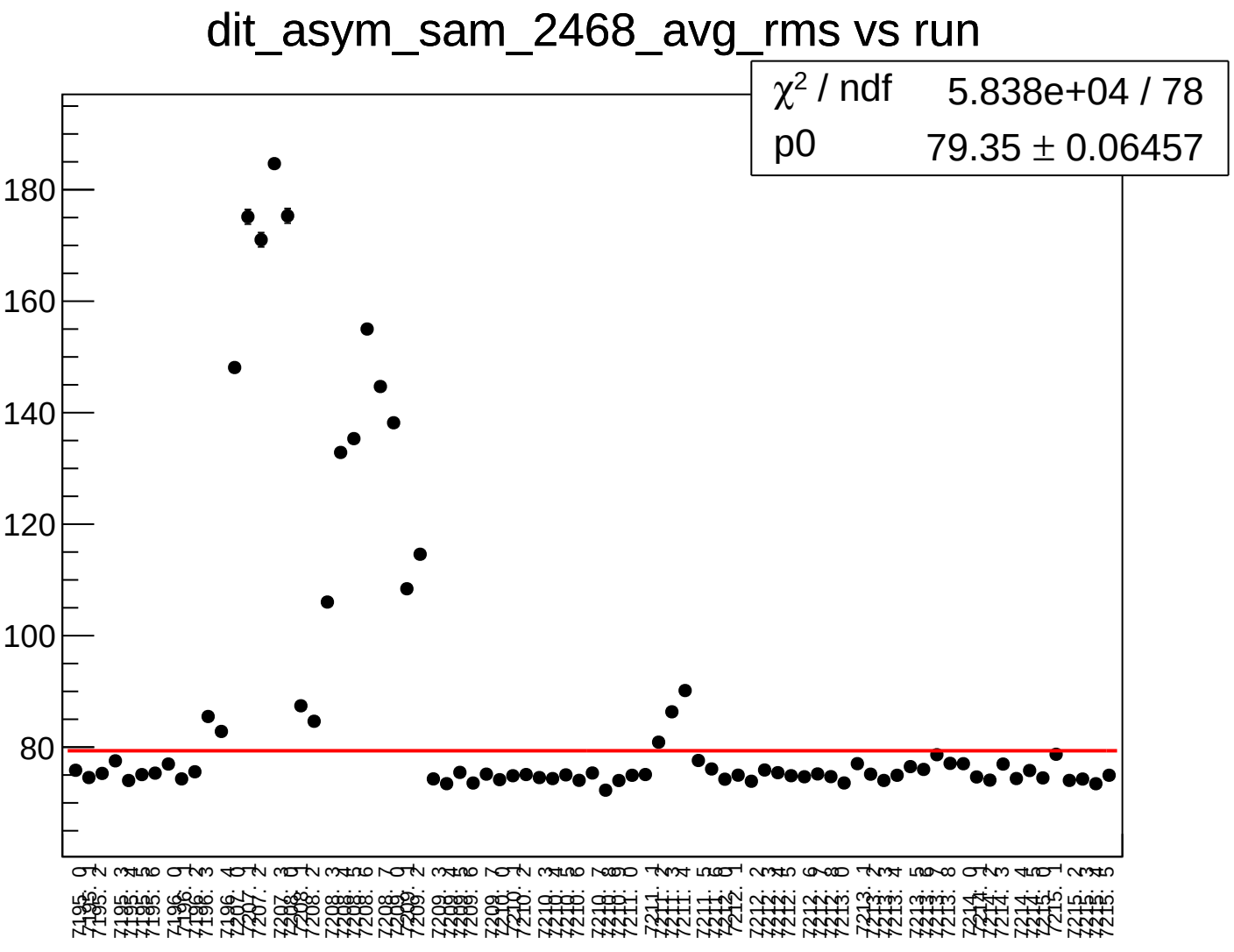

asym_sam_1357_avg_mean vs run
χ² / ndf 96.58 / 78
p0 −953.7 ± 333.8
10000
5000
0
−5000
−10000
−15000
pull
Entries 79
Mean −457.1
Std Dev 489.7
3
2
1
0
−1
−2
−3

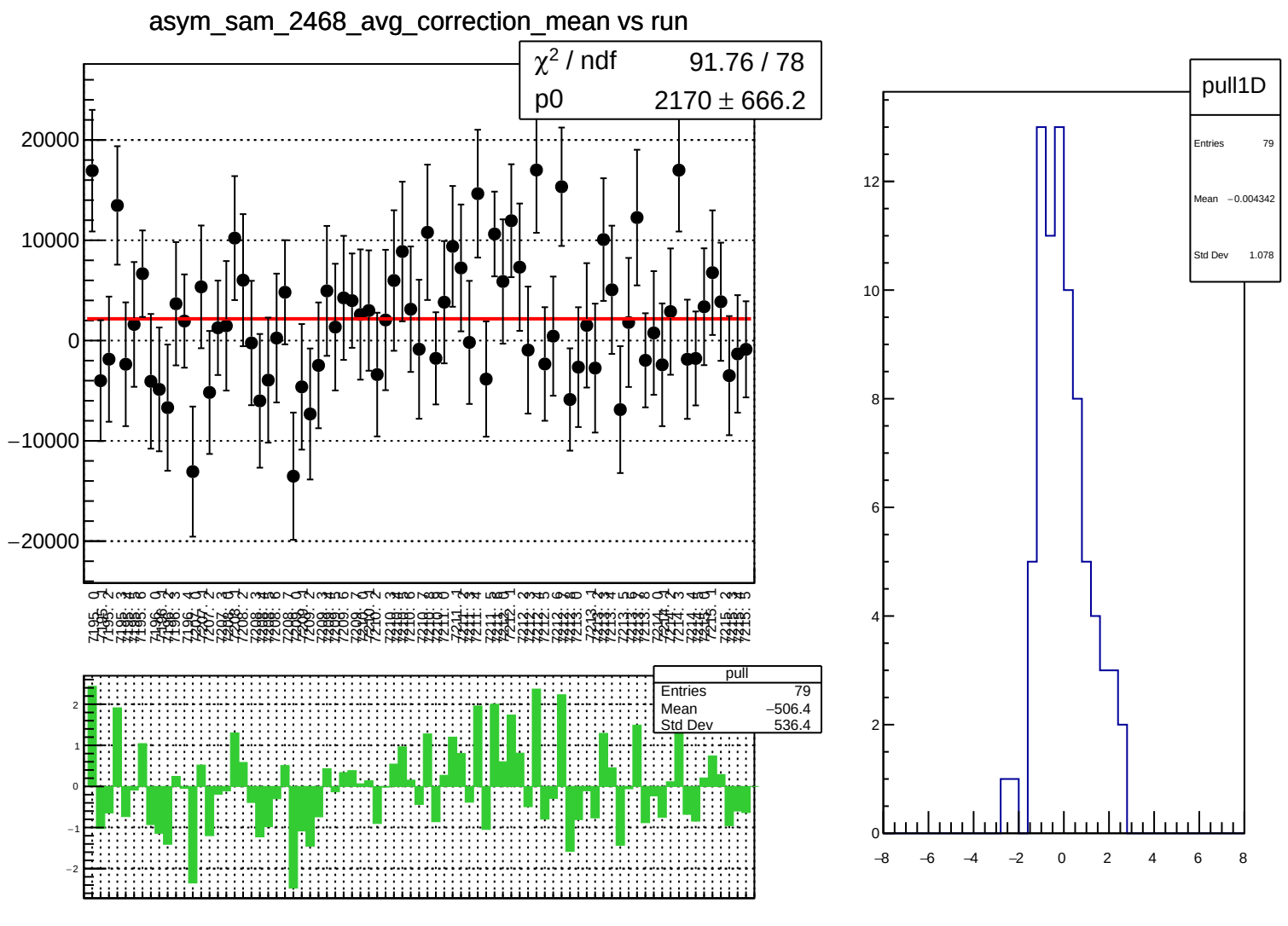

pull1D
Entries 79
Mean 0.005211
Std Dev 1.106
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

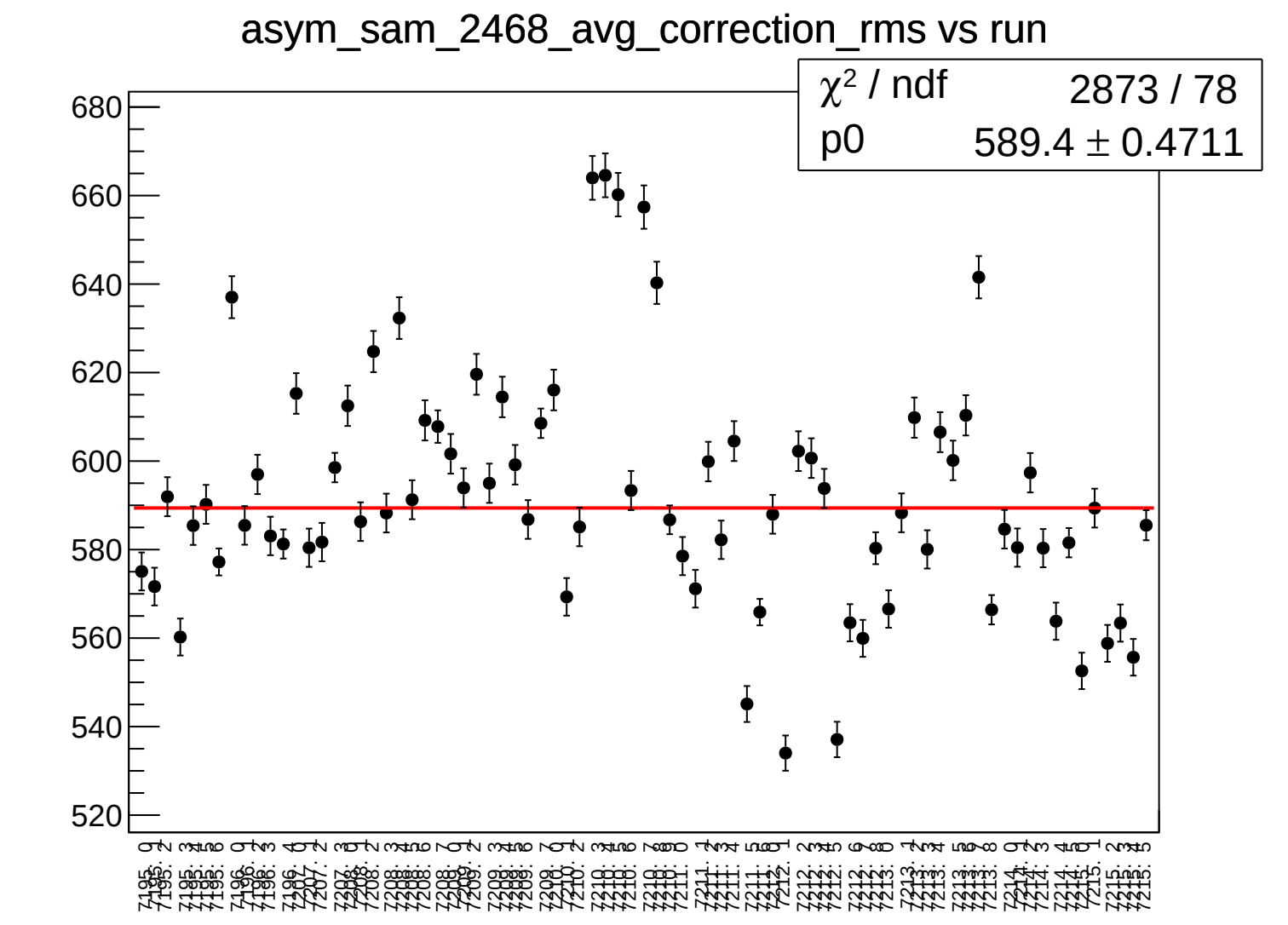

asym_sam_1357_avg_rms vs run
χ² / ndf 3949 / 78
p0 295.3 ± 0.2361
340
330
320
310
300
290
280
270
260

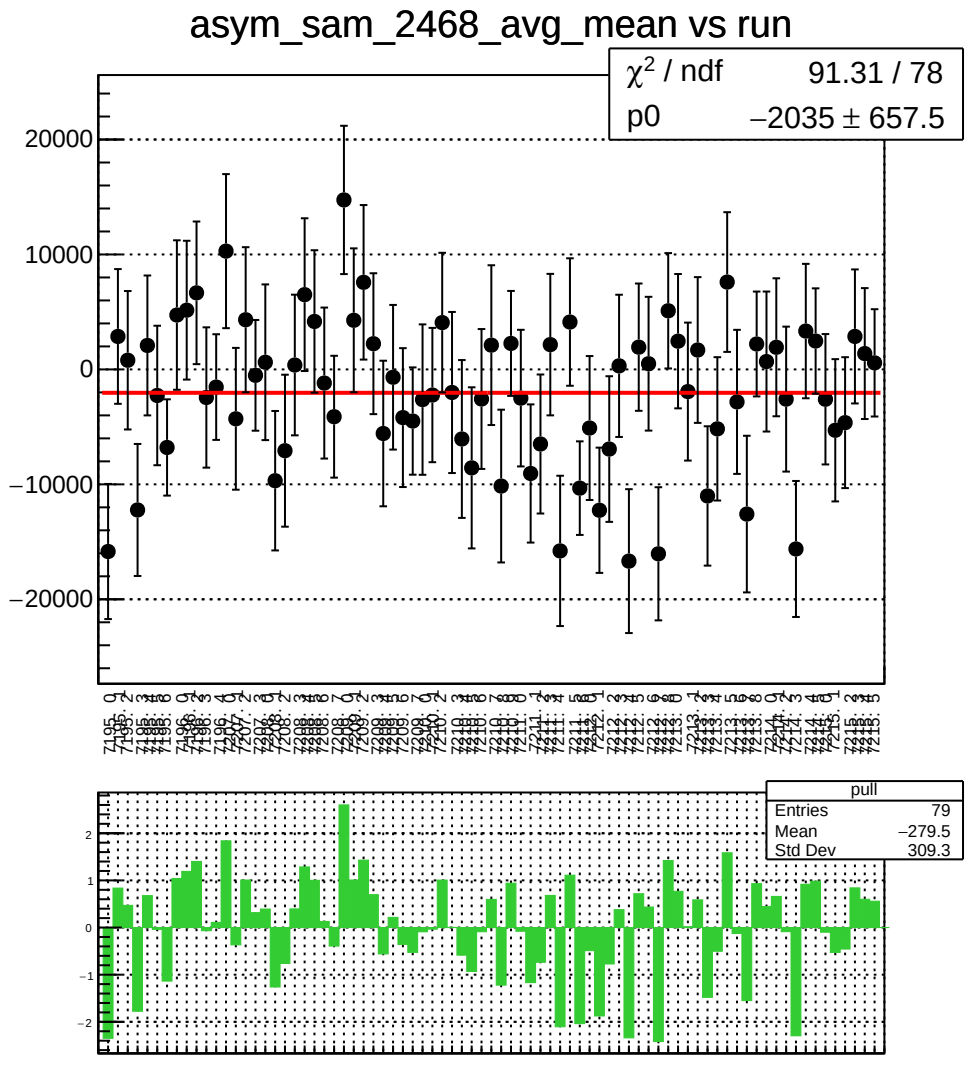

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 66.47 / 78
p0 146.6 ± 91.32
pull
Entries 79
Mean 104.8
Std Dev 83.2

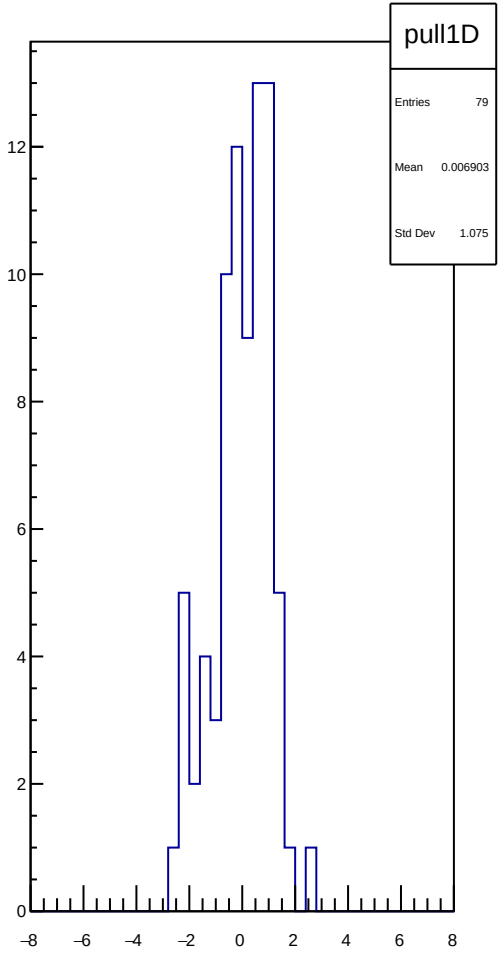

pull1D
Entries 79
Mean 0.01002
Std Dev 0.9172

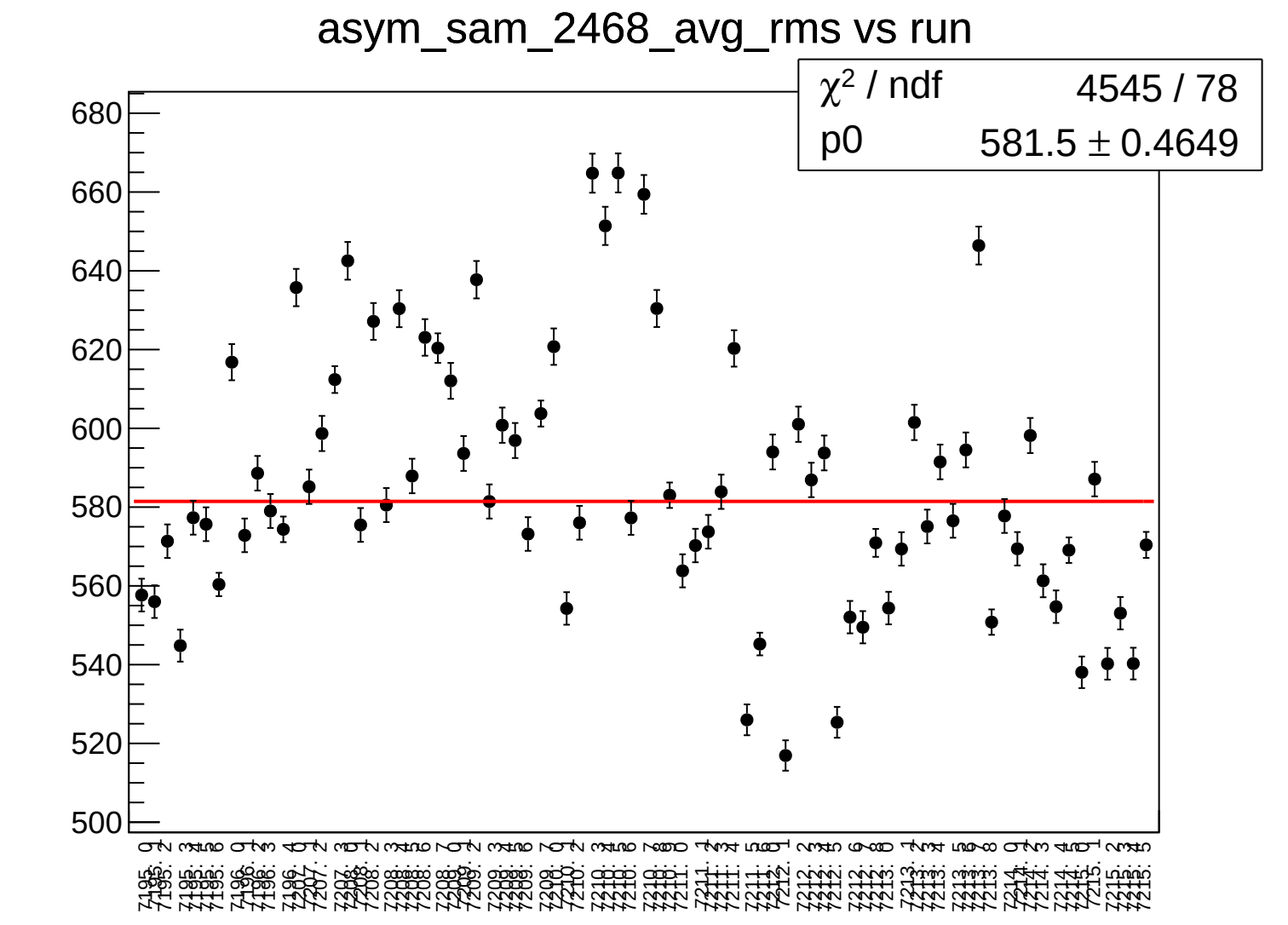

dit_asym_sam_2468_avg_rms vs run
χ^2 / ndf 5.838e+04 / 78
p0 79.35 ± 0.06457
180
160
140
120
100
80

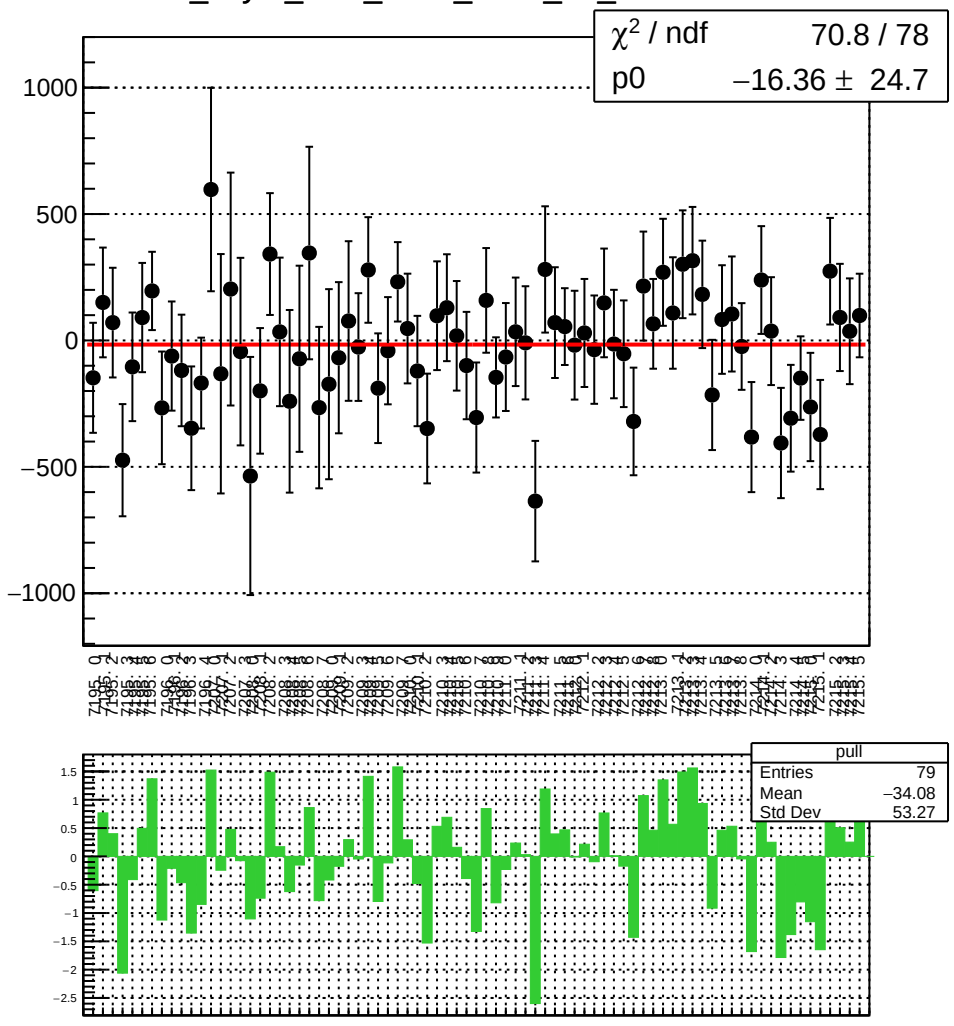

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 91.76 / 78
p0 2170 ± 666.2
20000
10000
0
−10000
−20000
pull
Entries 79
Mean −506.4
Std Dev 536.4
pull1D
Entries 79
Mean −0.004342
Std Dev 1.078

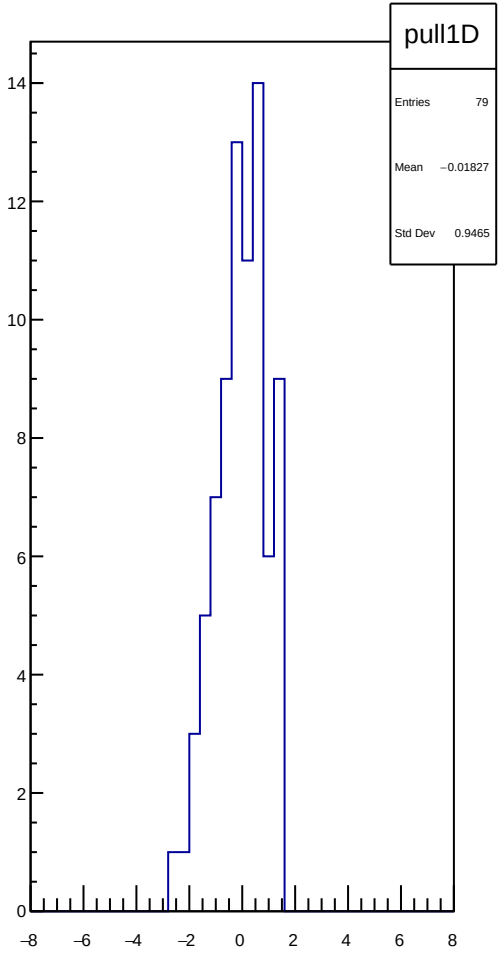

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 2873 / 78
p0 589.4 ± 0.4711
680
660
640
620
600
580
560
540
520

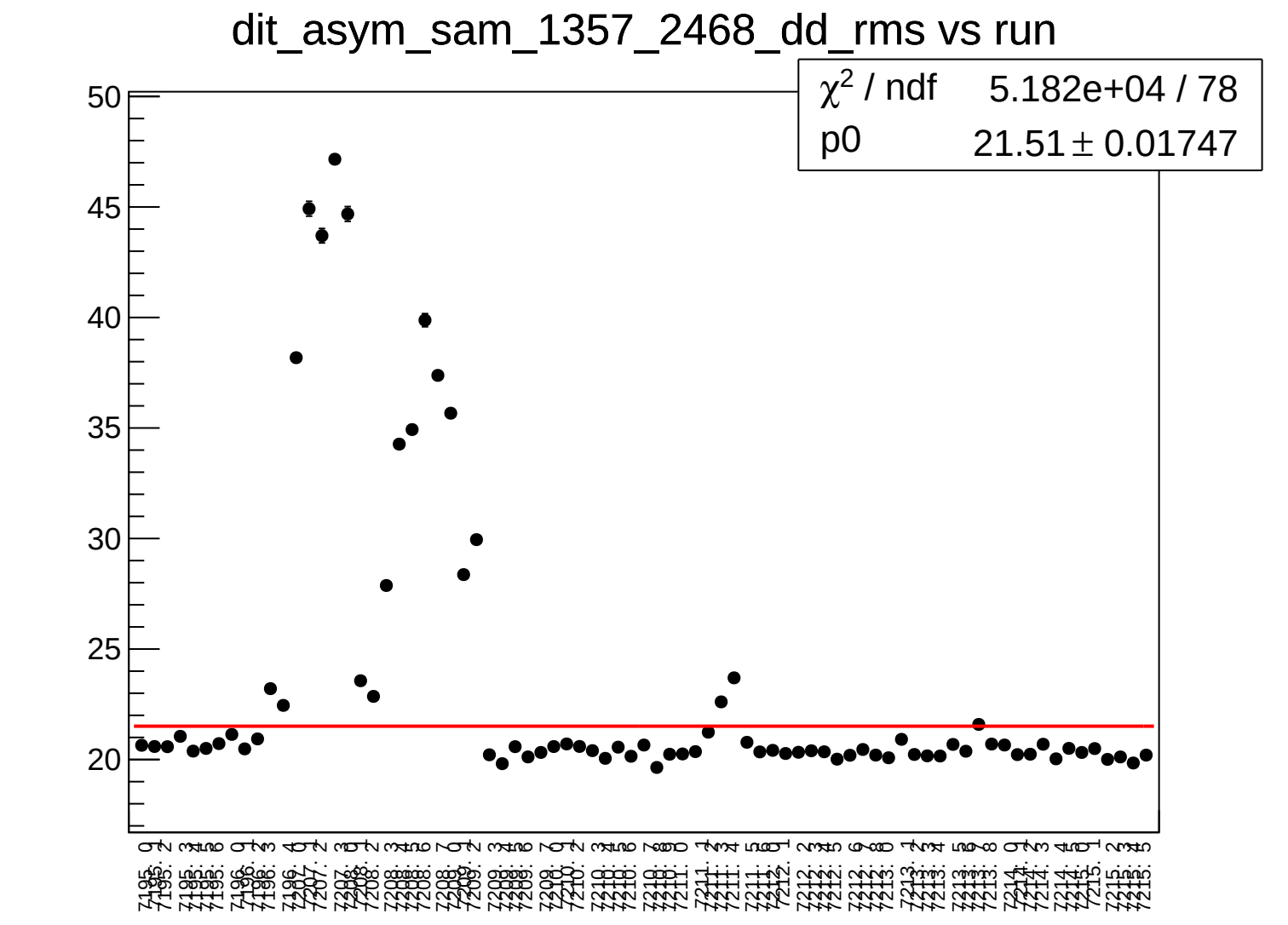

asym_sam_2468_avg_mean vs run
χ² / ndf 91.31 / 78
p0 −2035 ± 657.5
20000
10000
0
−10000
−20000
pull
Entries 79
Mean −279.5
Std Dev 309.3
2
1
0
−1
−2

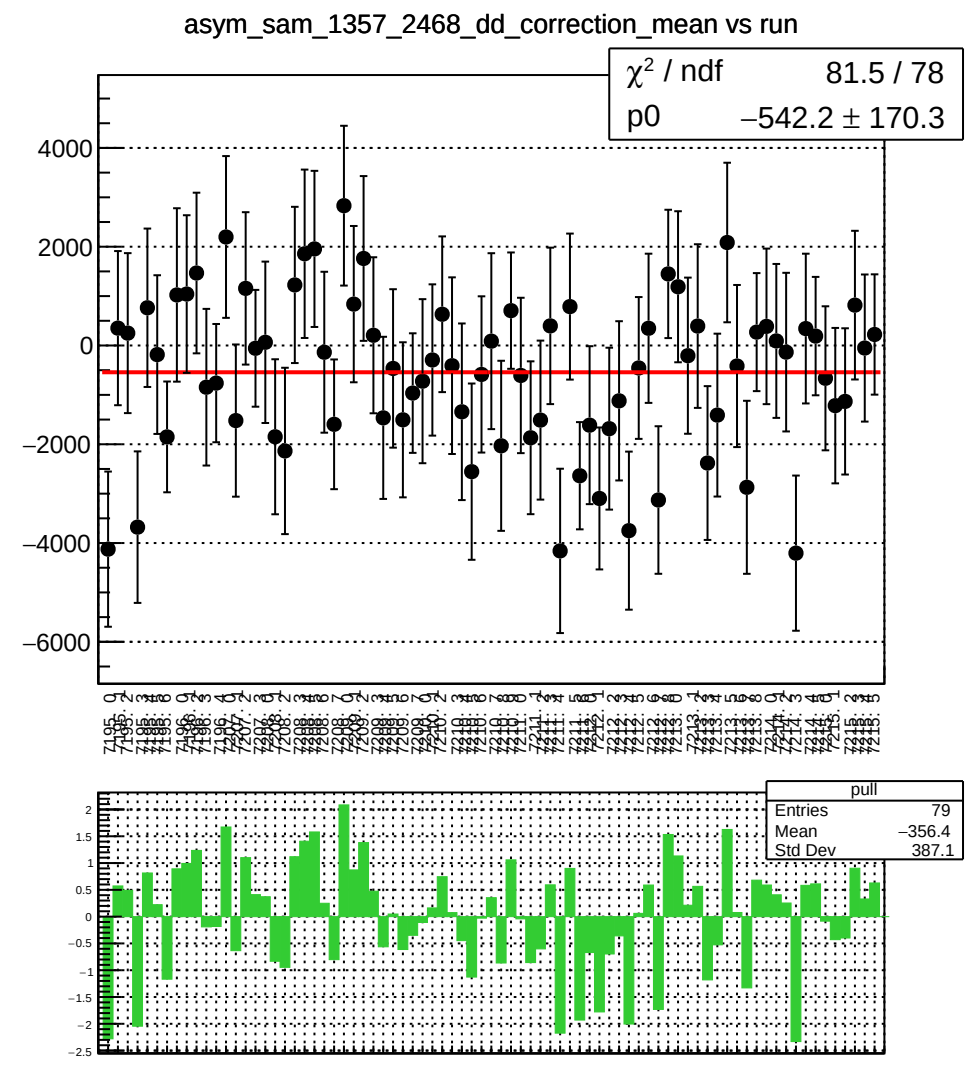

pull1D
Entries 79
Mean 0.006903
Std Dev 1.075
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

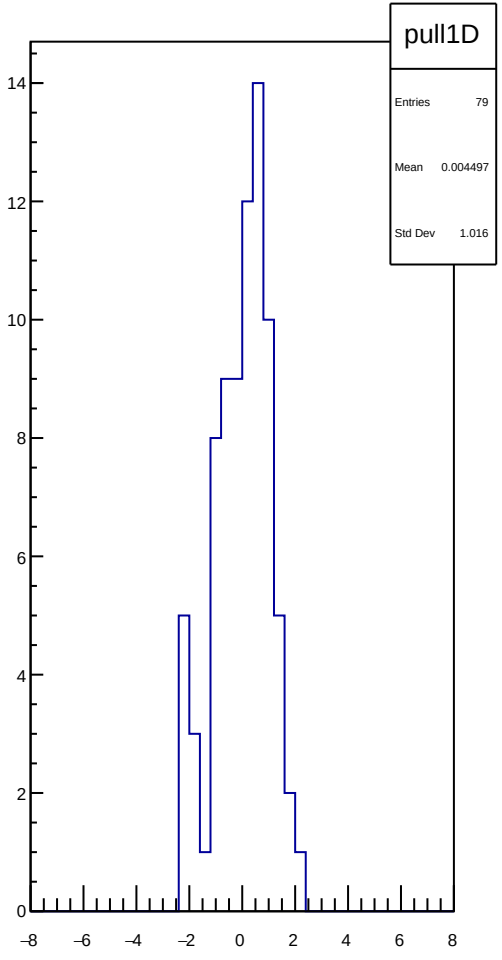

asym_sam_2468_avg_rms vs run
χ² / ndf 4545 / 78
p0 581.5 ± 0.4649
680
660
640
620
600
580
560
540
520
500

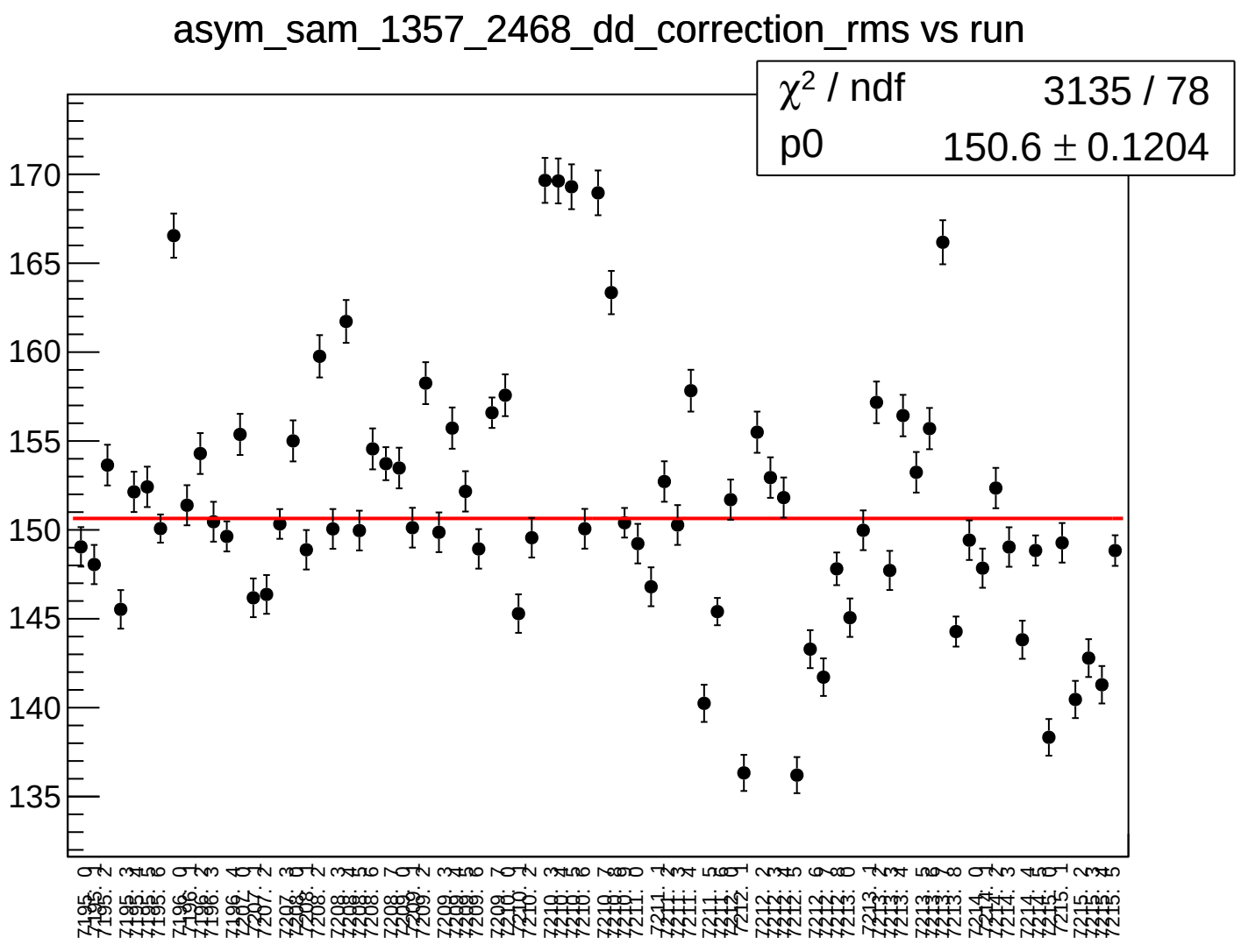

dit_asym_sam_1357_2468_dd_mean vs run
χ^2 / ndf 70.8 / 78
p0 −16.36 ± 24.7
1000
500
0
−500
−1000
pull
Entries 79
Mean −34.08
Std Dev 53.27
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

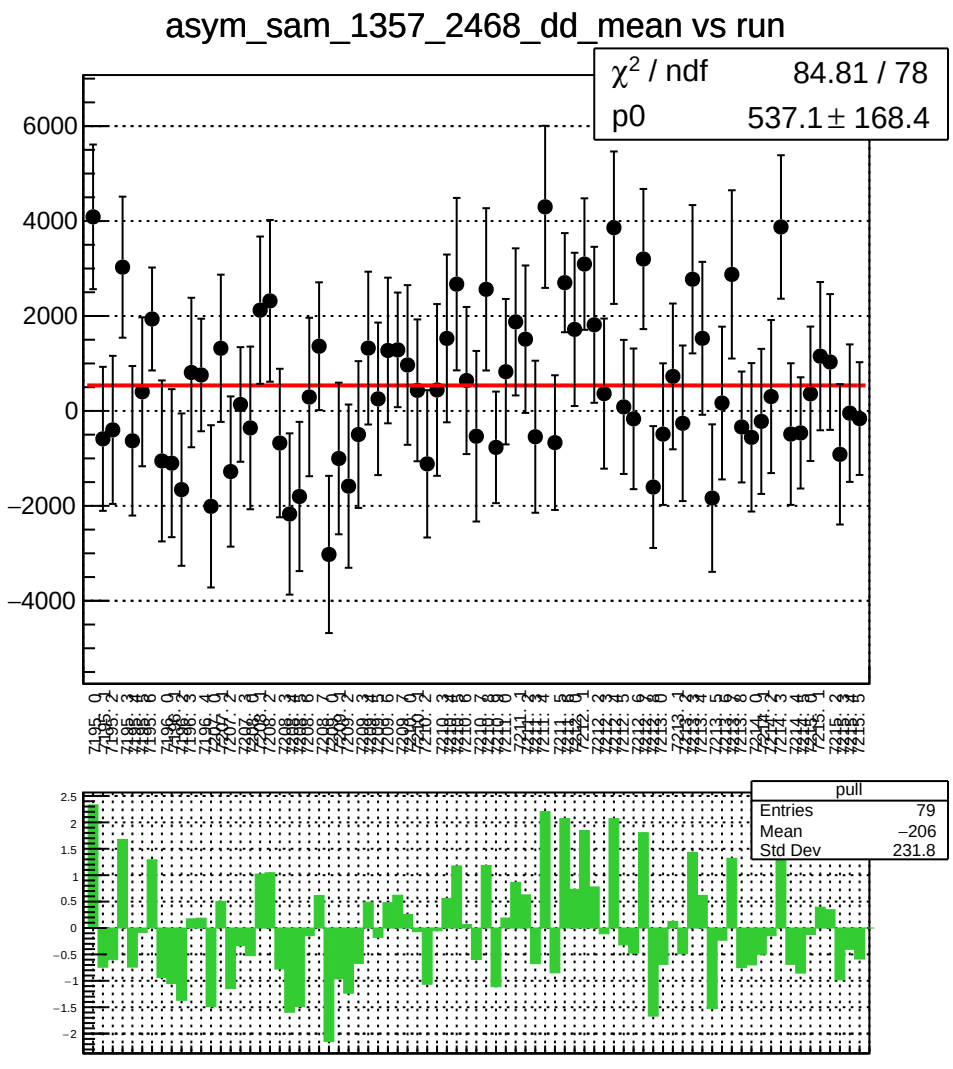

pull1D
Entries 79
Mean −0.01827
Std Dev 0.9465
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

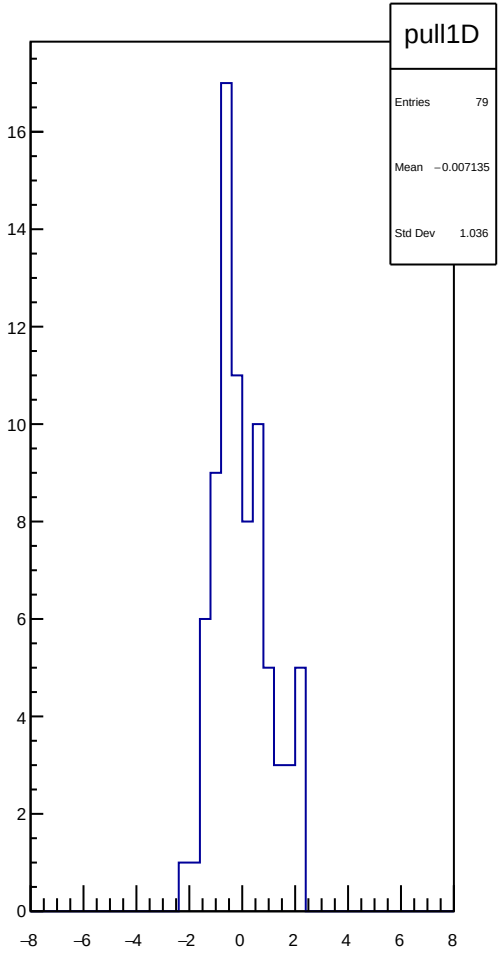

dit_asym_sam_1357_2468_dd_rms vs run
χ^2 / ndf 5.182e+04 / 78
p0 21.51 ± 0.01747
50
45
40
35
30
25
20

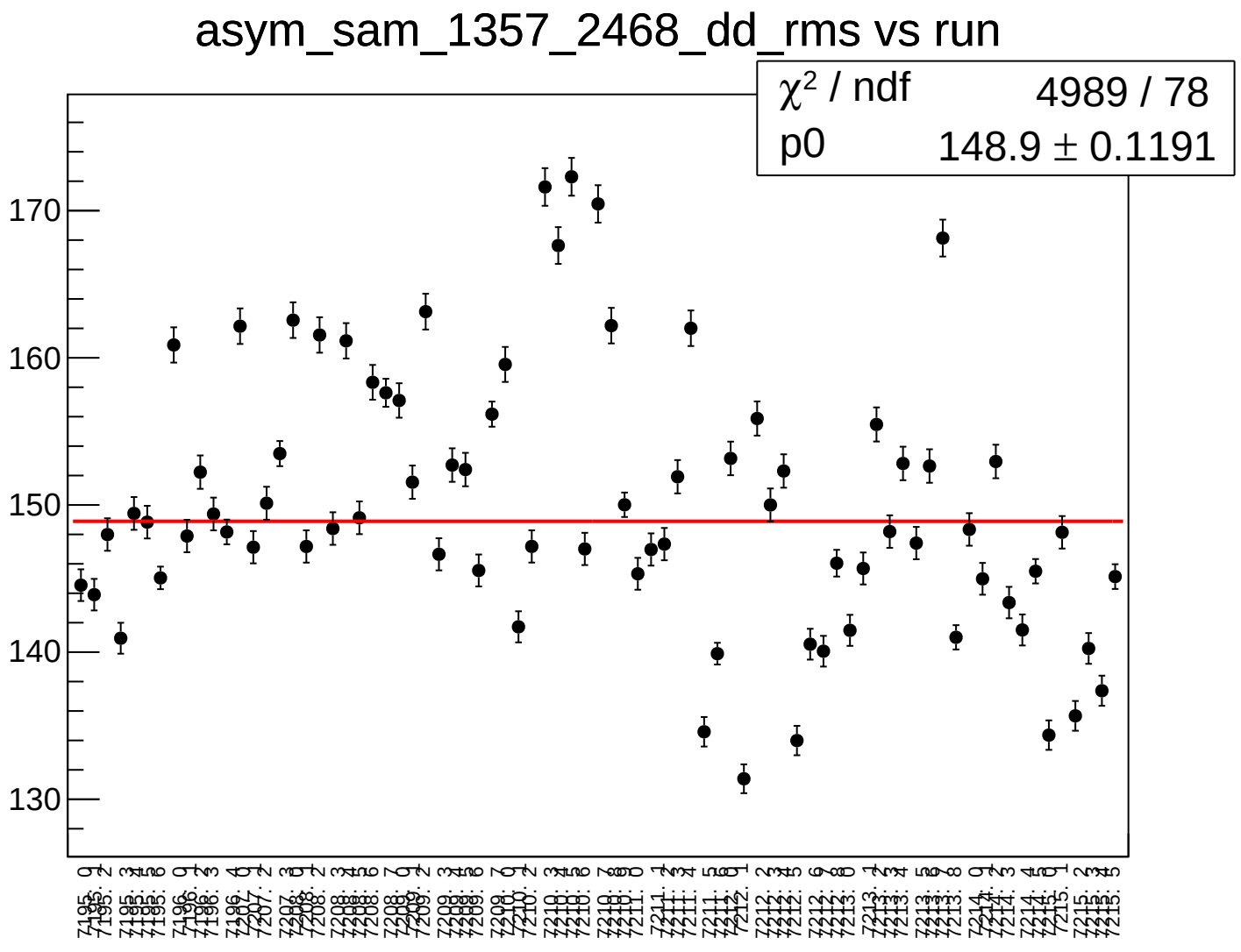

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 81.5 / 78
p0 −542.2 ± 170.3
pull
Entries 79
Mean −356.4
Std Dev 387.1

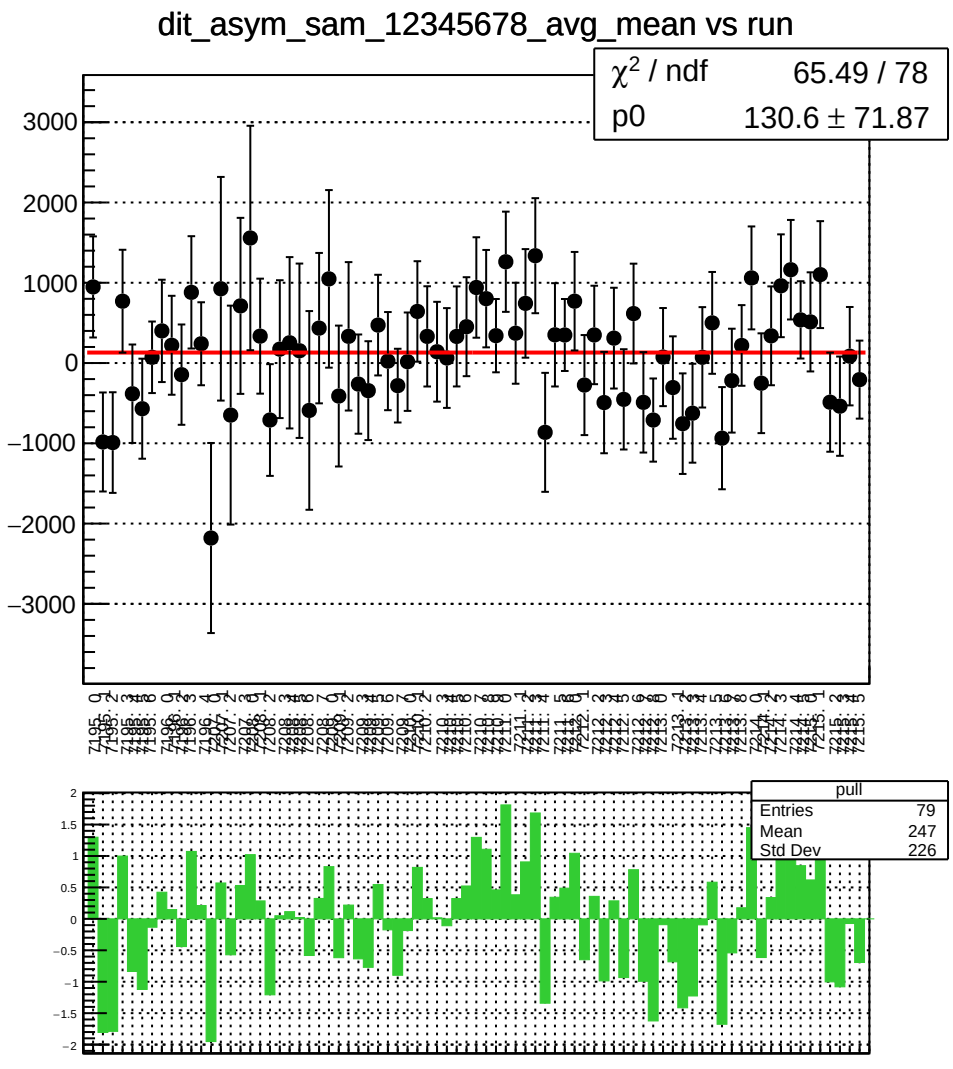

pull1D
Entries 79
Mean 0.004497
Std Dev 1.016

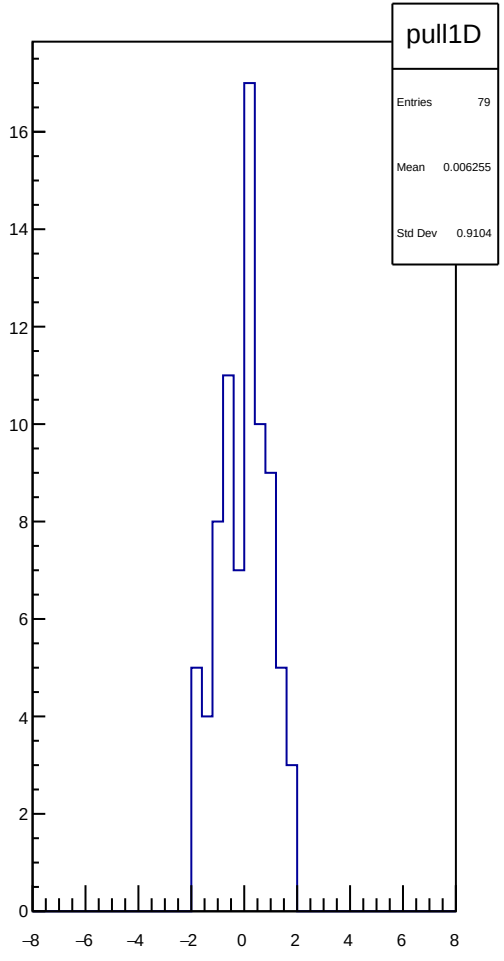

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 3135 / 78
p0 150.6 ± 0.1204
170
165
160
155
150
145
140
135

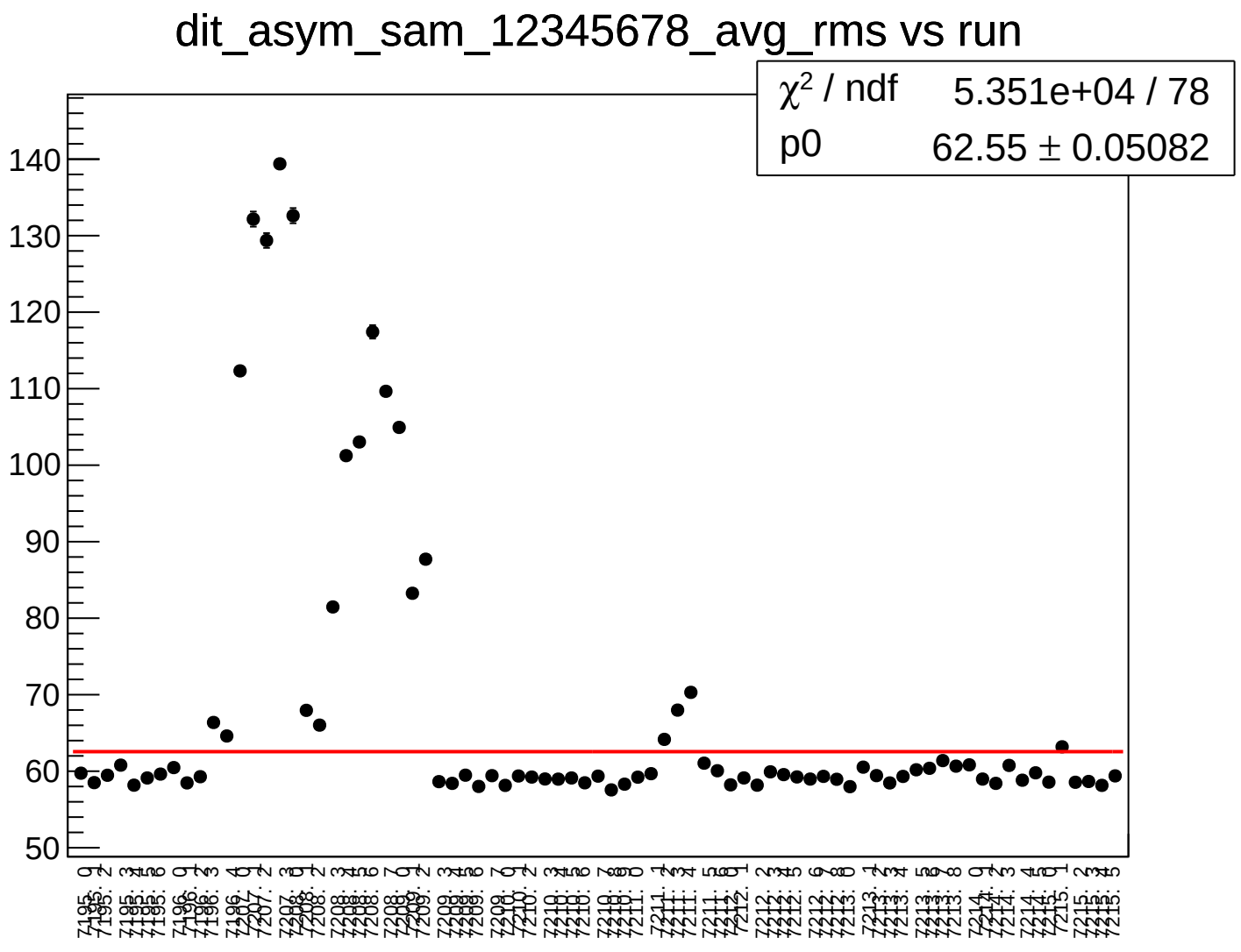

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 84.81 / 78
p0 537.1 ± 168.4
pull
Entries 79
Mean −206
Std Dev 231.8

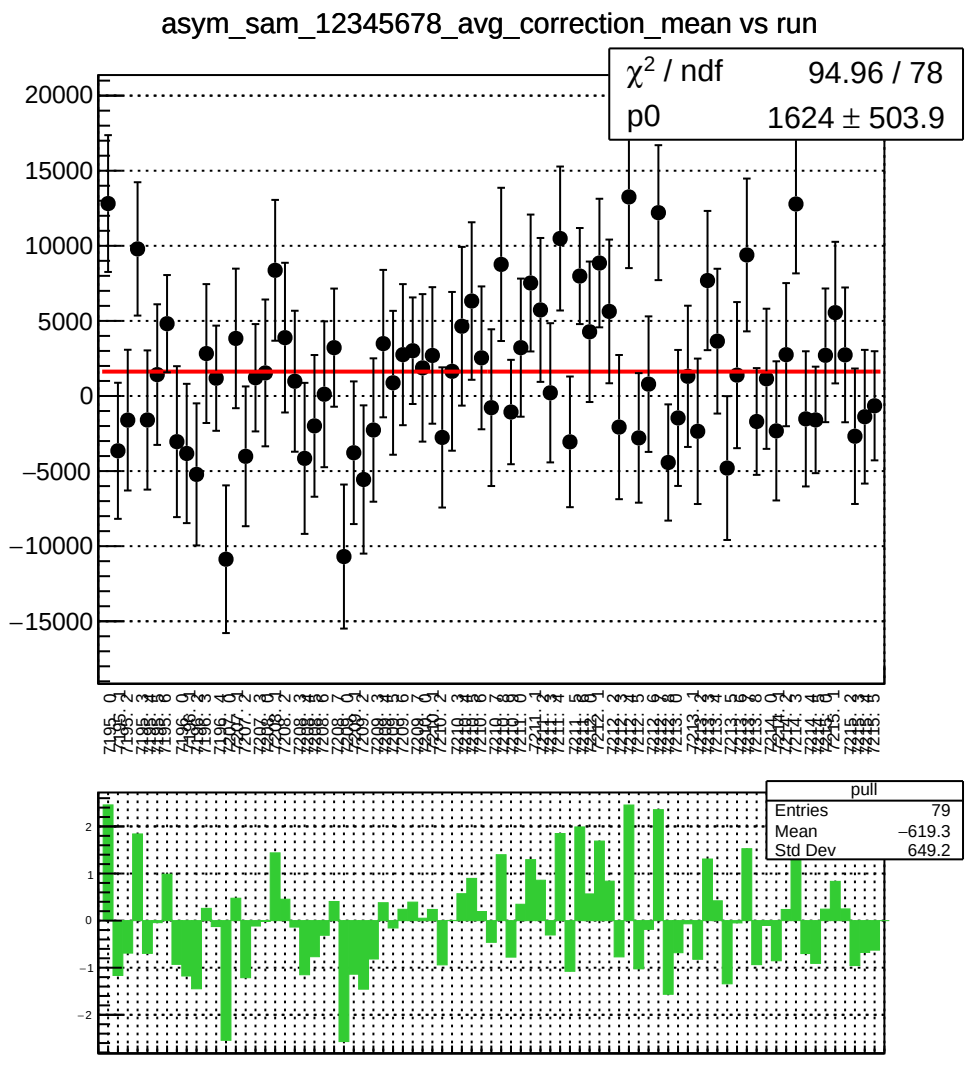

pull1D
Entries 79
Mean −0.007135
Std Dev 1.036

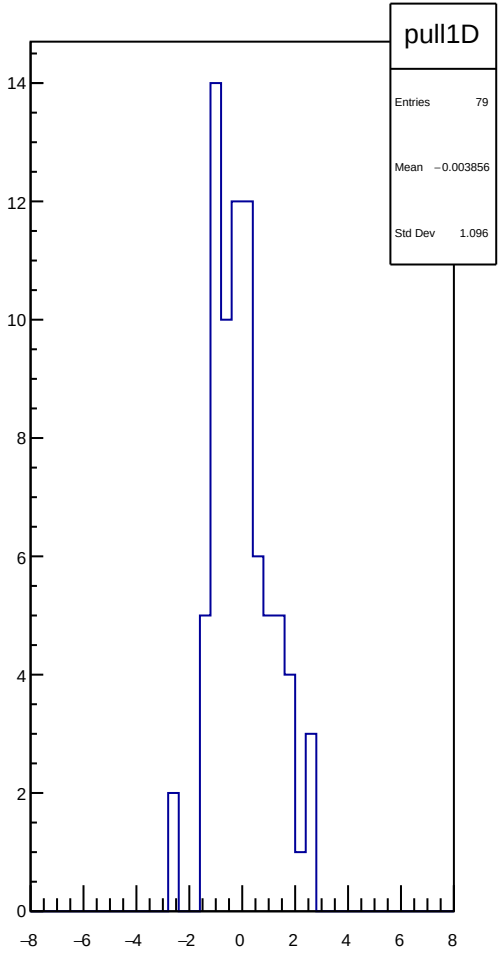

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 4989 / 78
p0 148.9 ± 0.1191
170
160
150
140
130

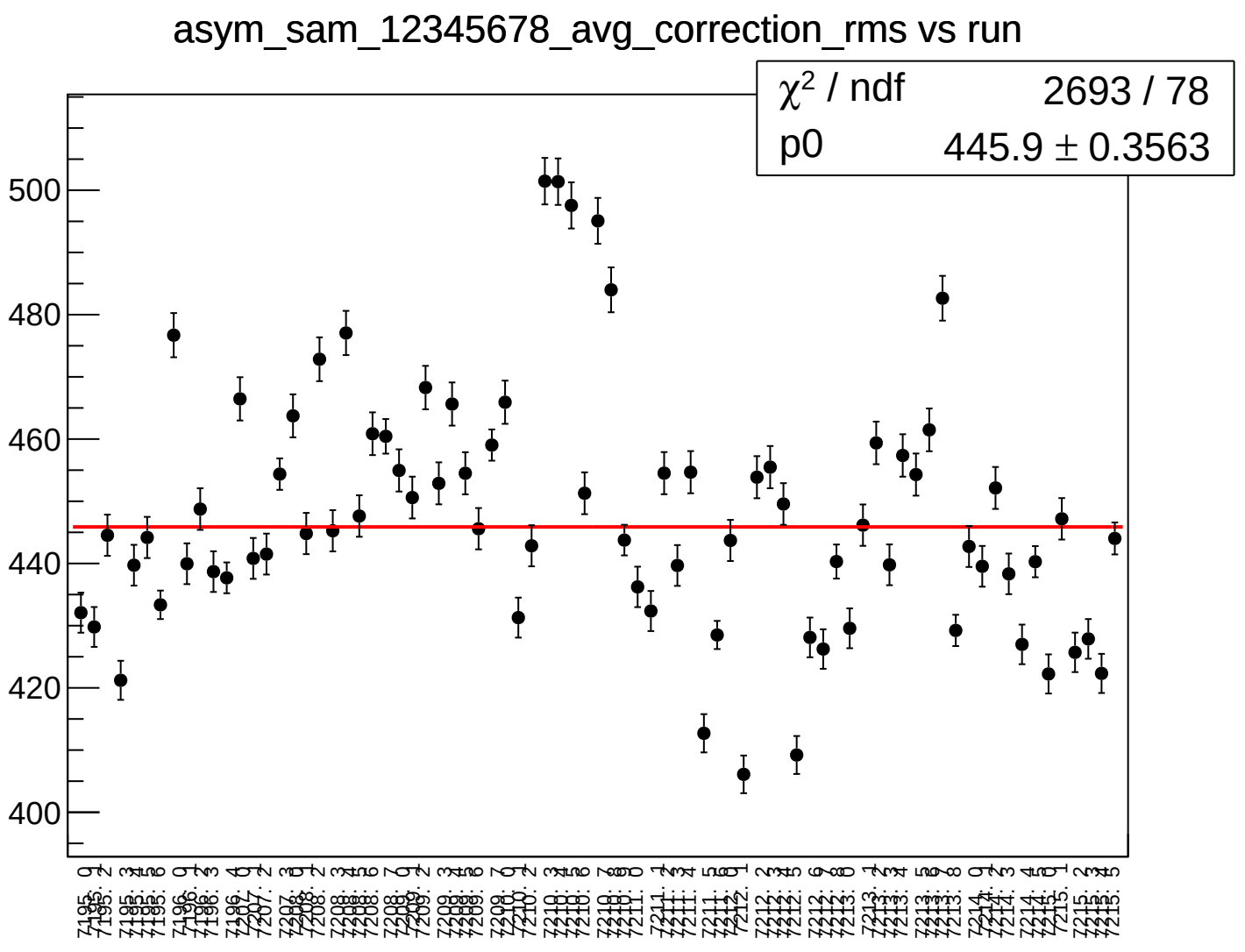

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 65.49 / 78
p0 130.6 ± 71.87
pull
Entries 79
Mean 247
Std Dev 226

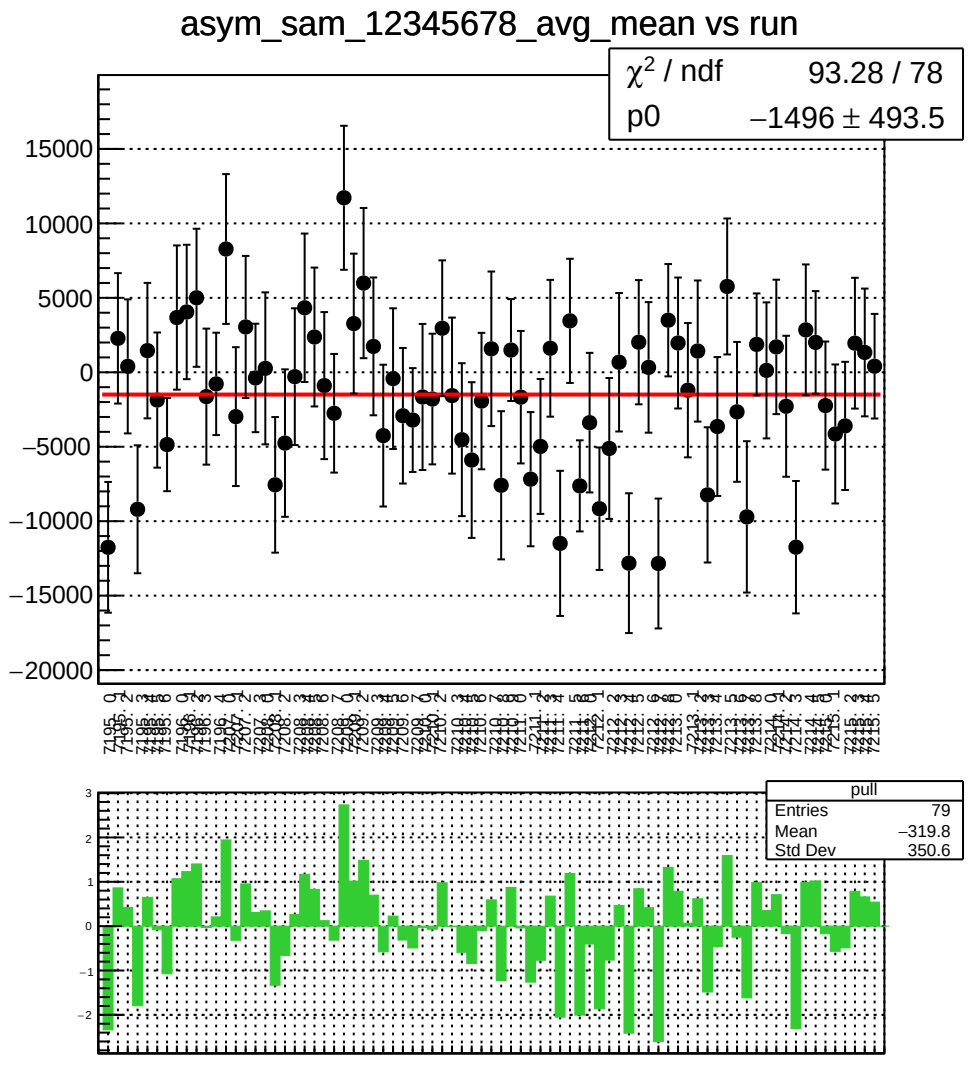

pull1D
Entries 79
Mean 0.006255
Std Dev 0.9104

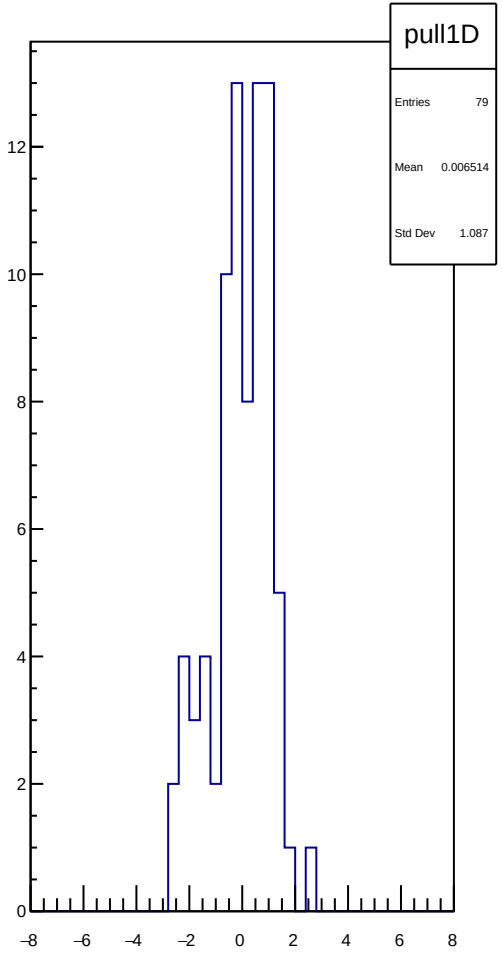

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 5.351e+04 / 78
p0 62.55 ± 0.05082
140
130
120
110
100
90
80
70
60
50

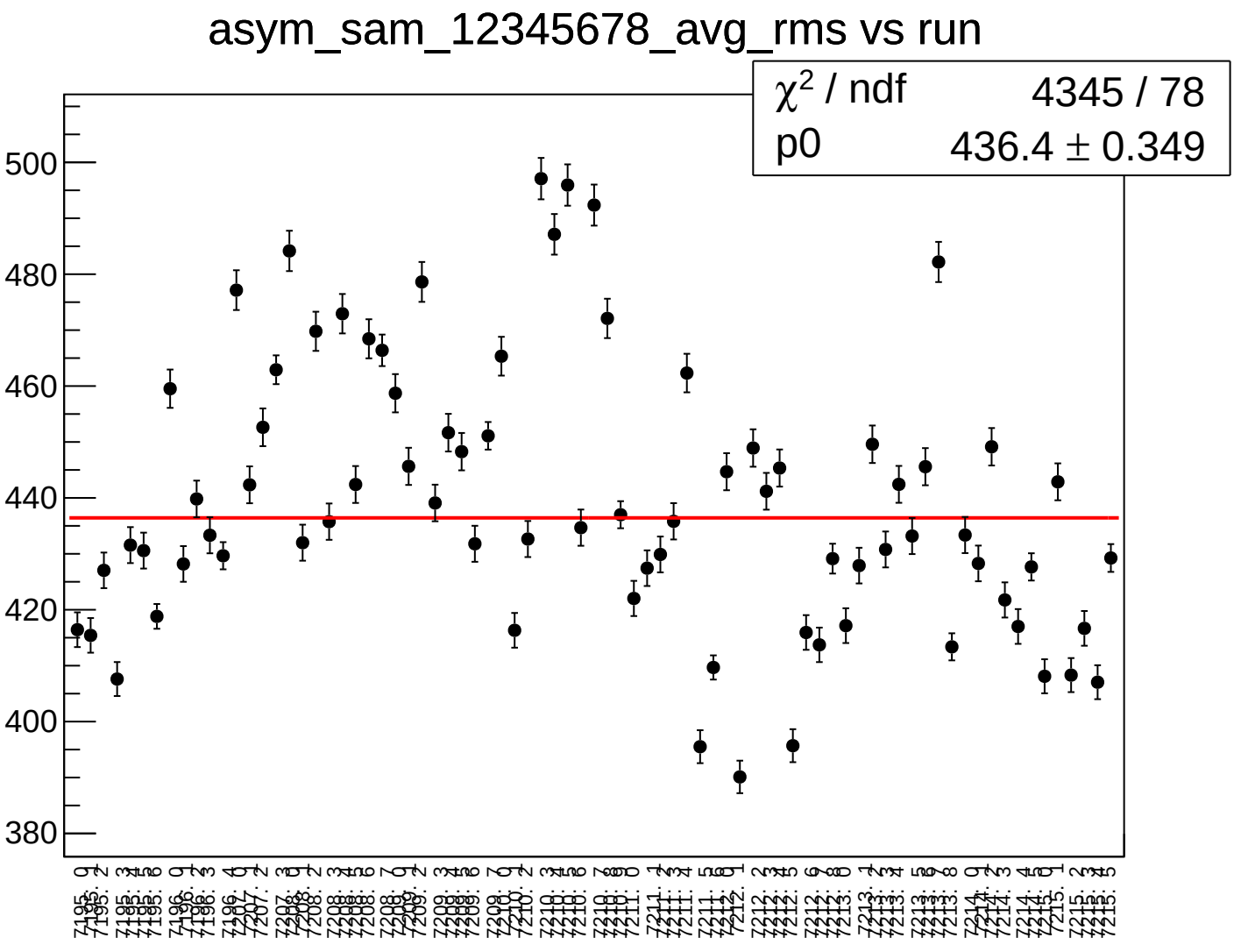

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 94.96 / 78
p0 1624 ± 503.9
pull
Entries 79
Mean −619.3
Std Dev 649.2

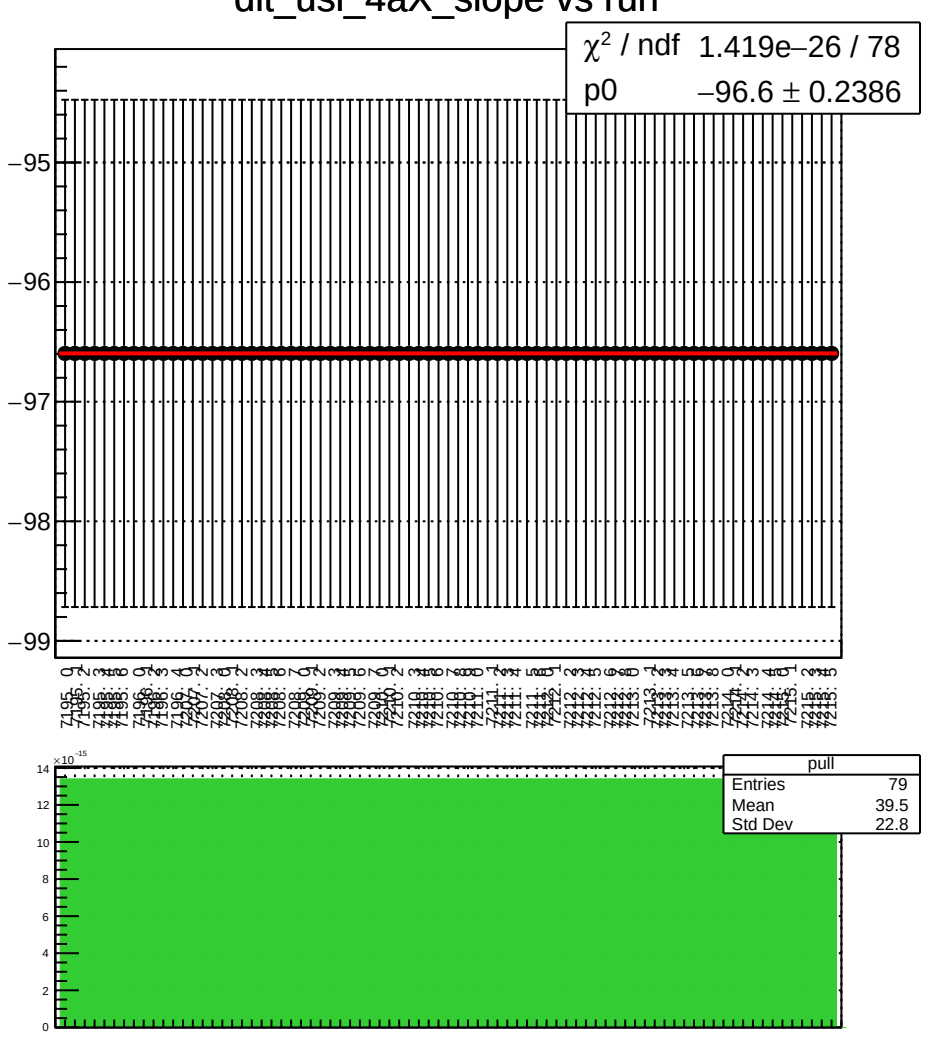

pull1D
Entries 79
Mean −0.003856
Std Dev 1.096

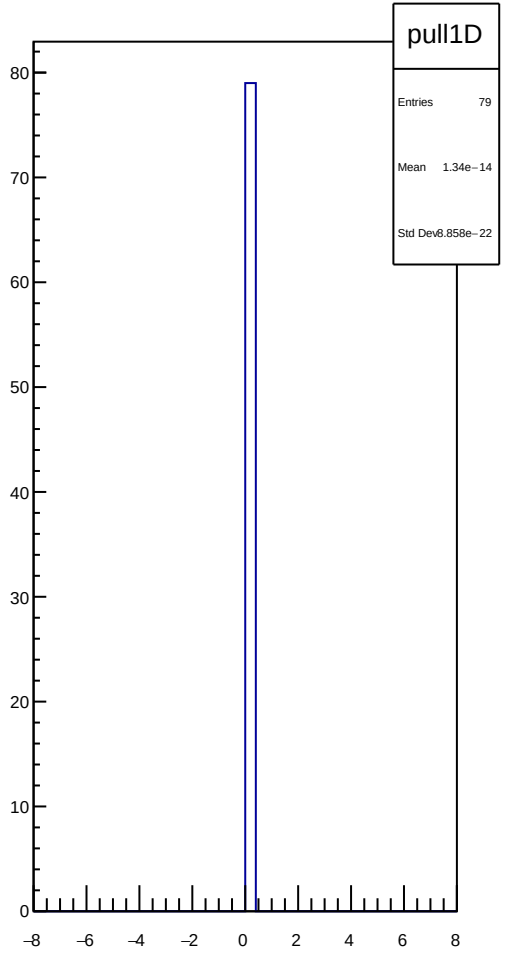

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 2693 / 78
p0 445.9 ± 0.3563
500
480
460
440
420
400

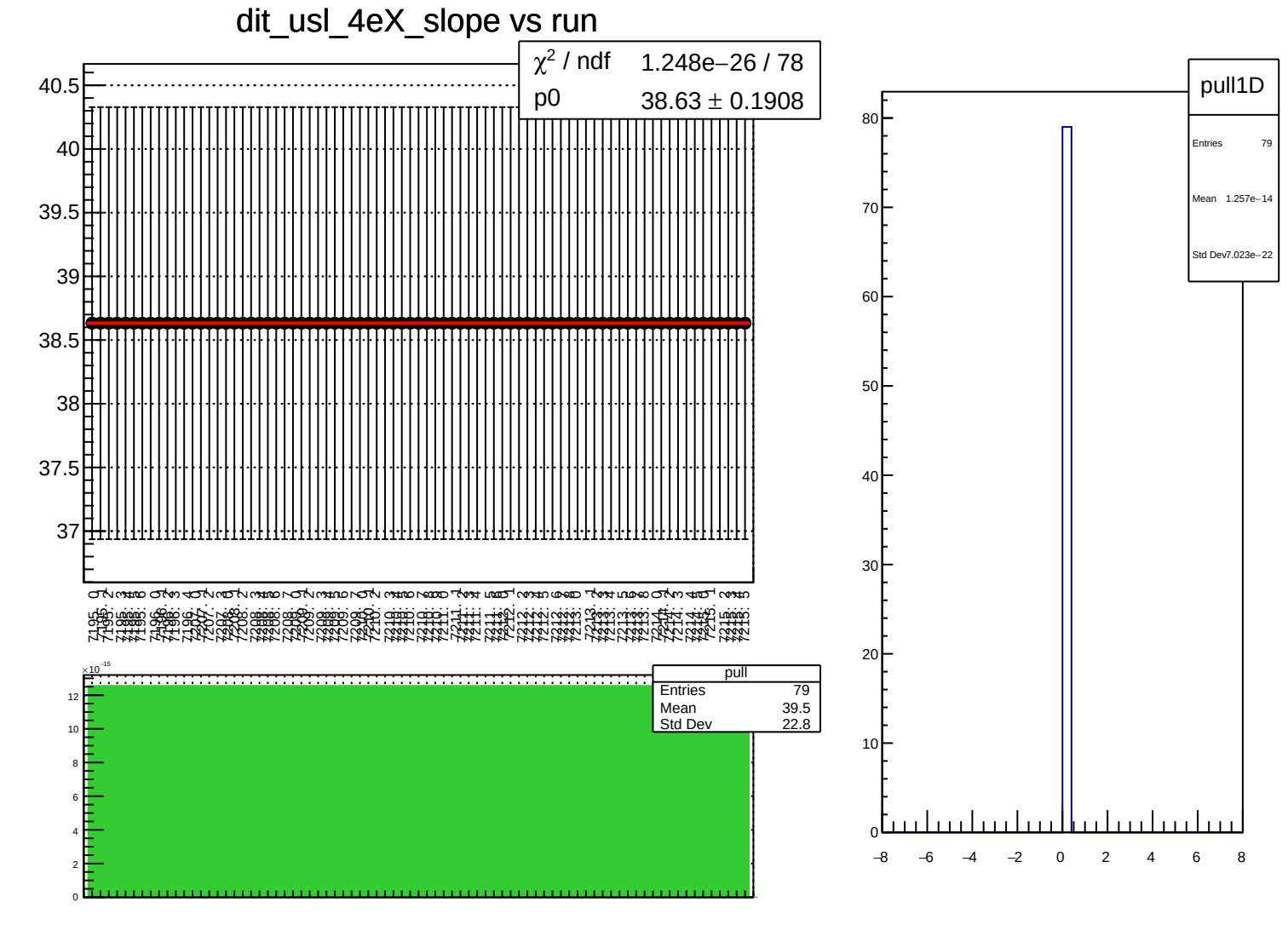

asym_sam_12345678_avg_mean vs run
χ² / ndf 93.28 / 78
p0 −1496 ± 493.5
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 79
Mean −319.8
Std Dev 350.6
3
2
1
0
−1
−2

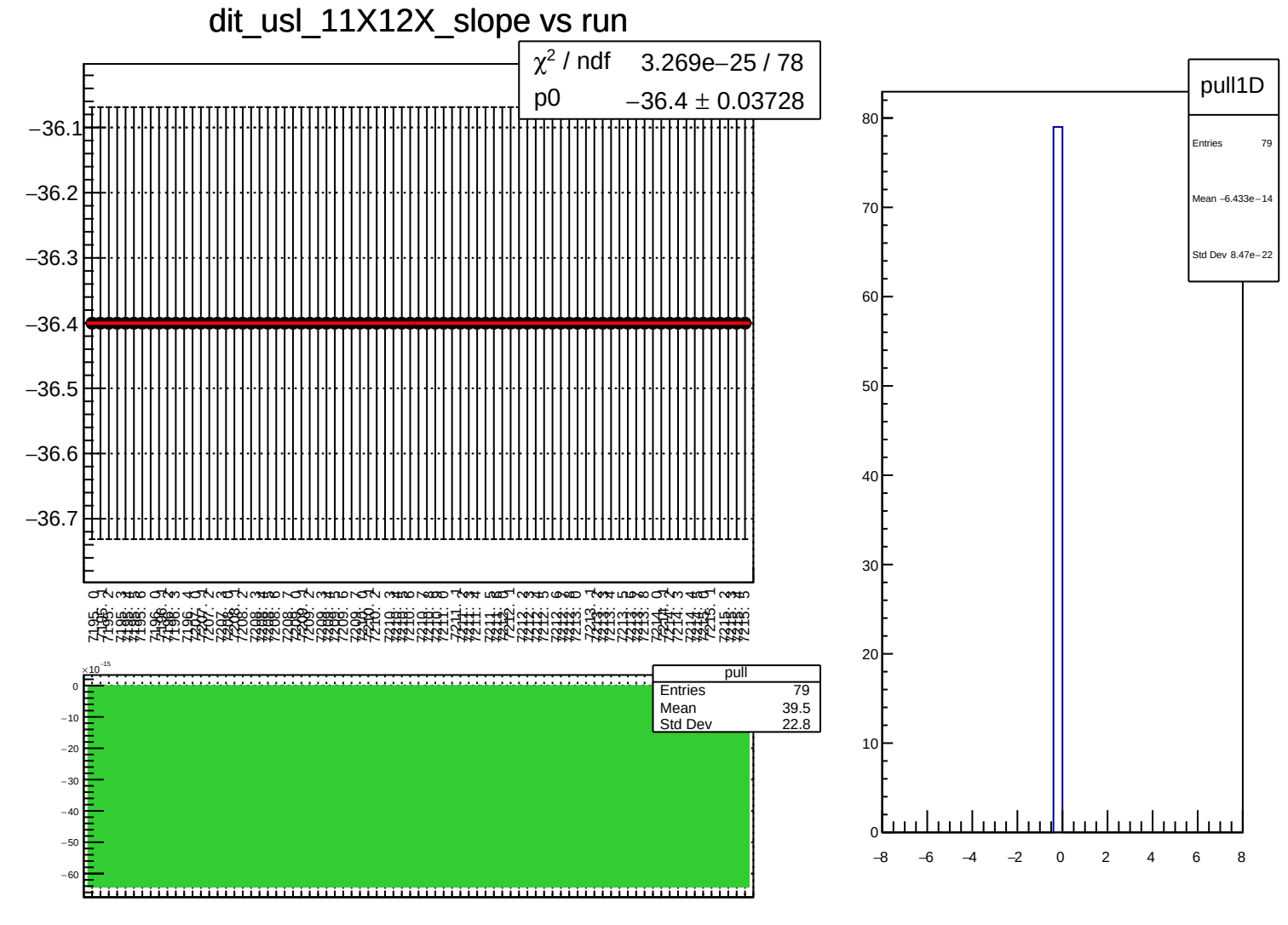

pull1D
Entries 79
Mean 0.006514
Std Dev 1.087
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

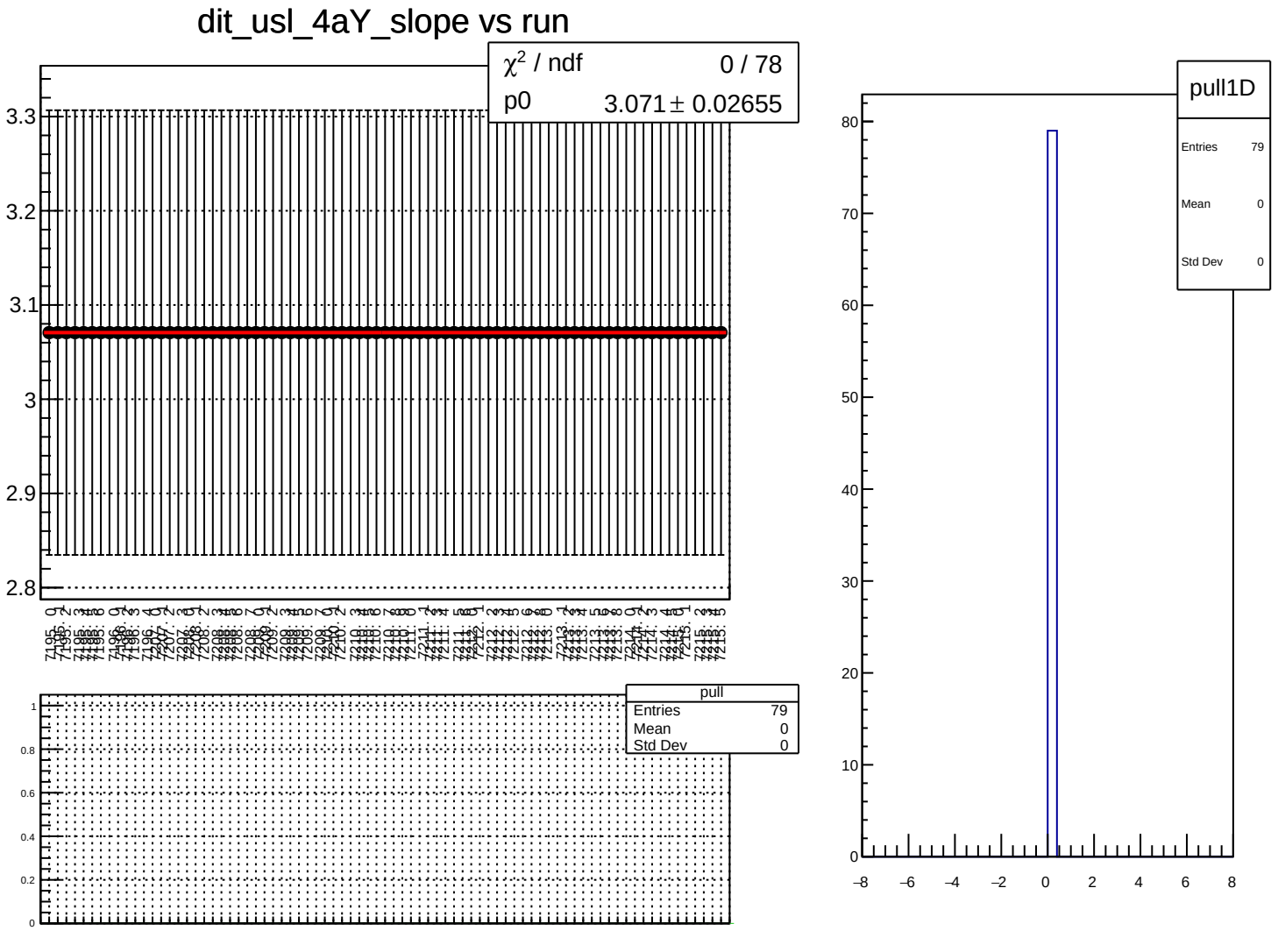

asym_sam_12345678_avg_rms vs run
χ² / ndf 4345 / 78
p0 436.4 ± 0.349
500
480
460
440
420
400
380

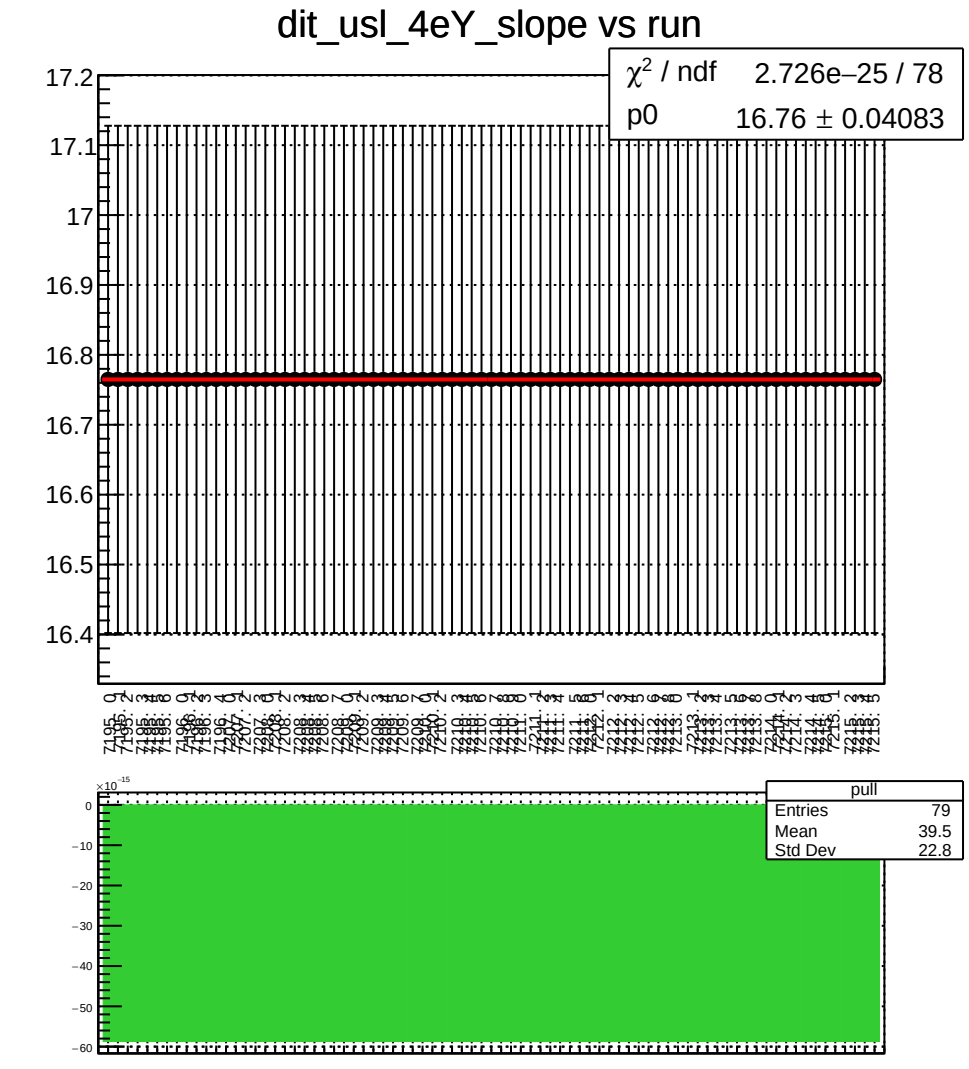

dit_usl_4aX_slope vs run
χ² / ndf 1.419e−26 / 78
p0 −96.6 ± 0.2386
−95
−96
−97
−98
−99
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹⁵
14
12
10
8
6
4
2
0

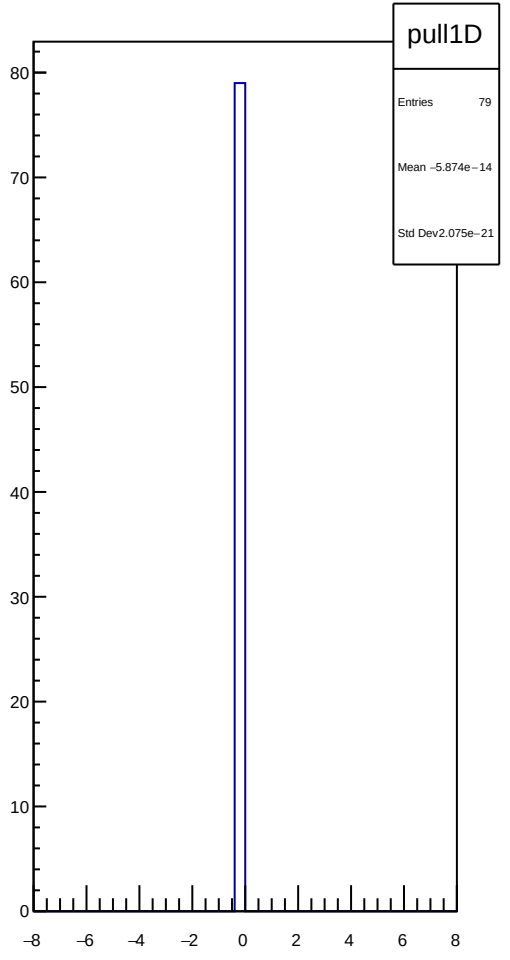

pull1D
Entries 79
Mean 1.34e−14
Std Dev 8.858e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

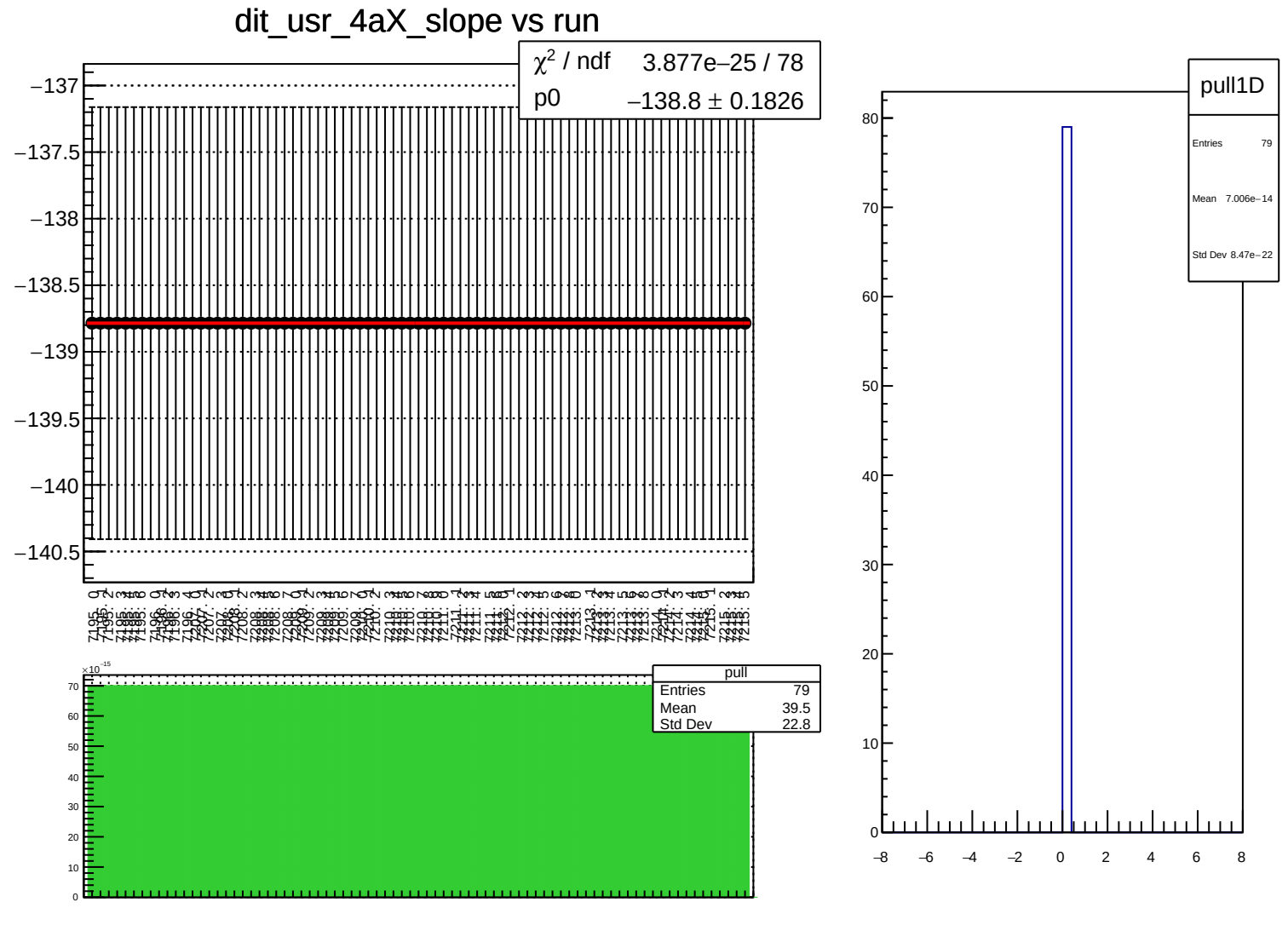

dit_usl_4eX_slope vs run
χ² / ndf 1.248e−26 / 78
p0 38.63 ± 0.1908
40.5
40
39.5
39
38.5
38
37.5
37
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹⁵
12
10
8
6
4
2
0
pull1D
Entries 79
Mean 1.257e−14
Std Dev7.023e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

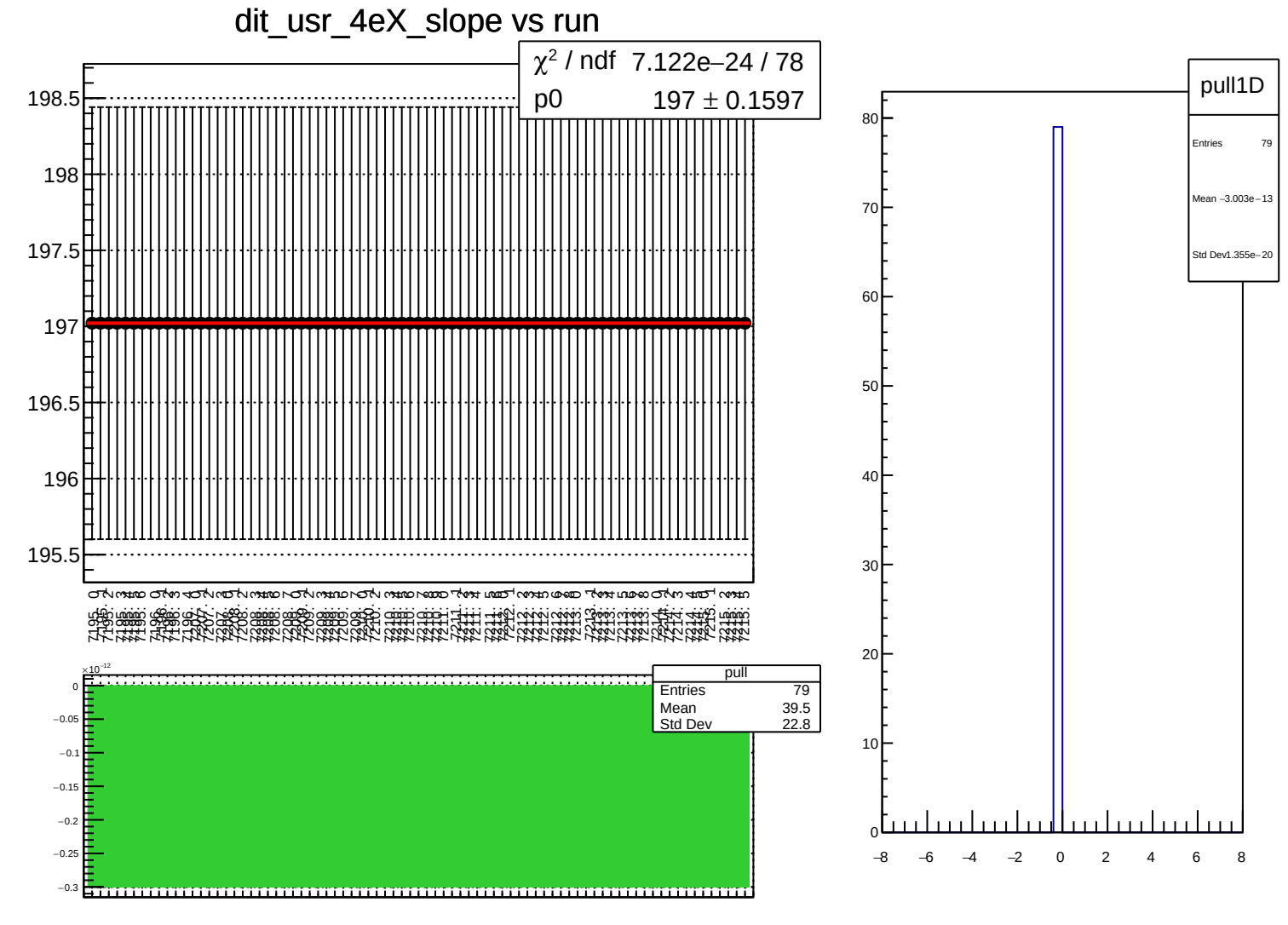

dit_usl_11X12X_slope vs run
χ² / ndf 3.269e−25 / 78
p0 −36.4 ± 0.03728
−36.1
−36.2
−36.3
−36.4
−36.5
−36.6
−36.7
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
pull1D
Entries 79
Mean −6.433e−14
Std Dev 8.47e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

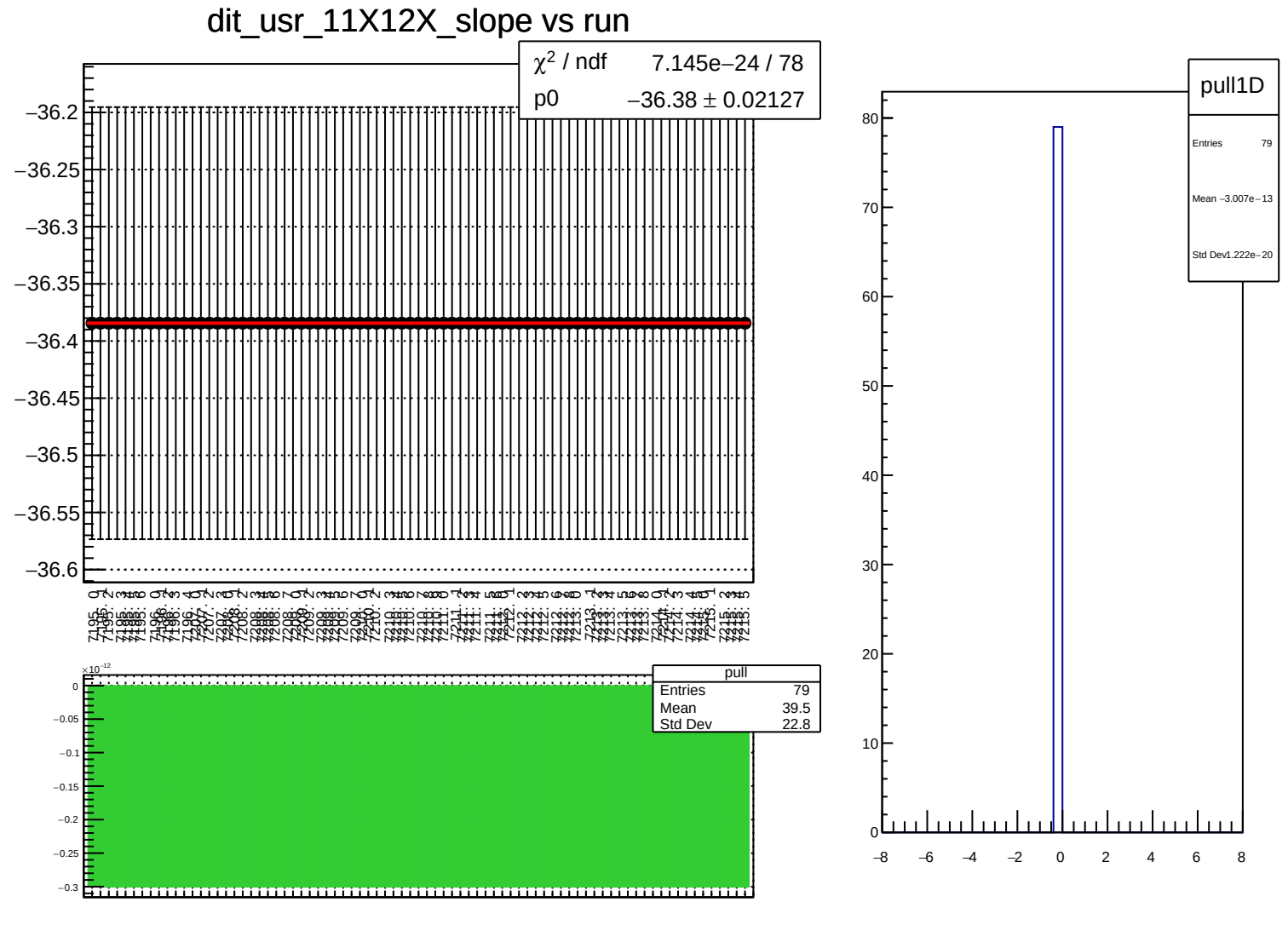

dit_usl_4aY_slope vs run
χ² / ndf 0 / 78
p0 3.071 ± 0.02655
pull
Entries 79
Mean 0
Std Dev 0
pull1D
Entries 79
Mean 0
Std Dev 0

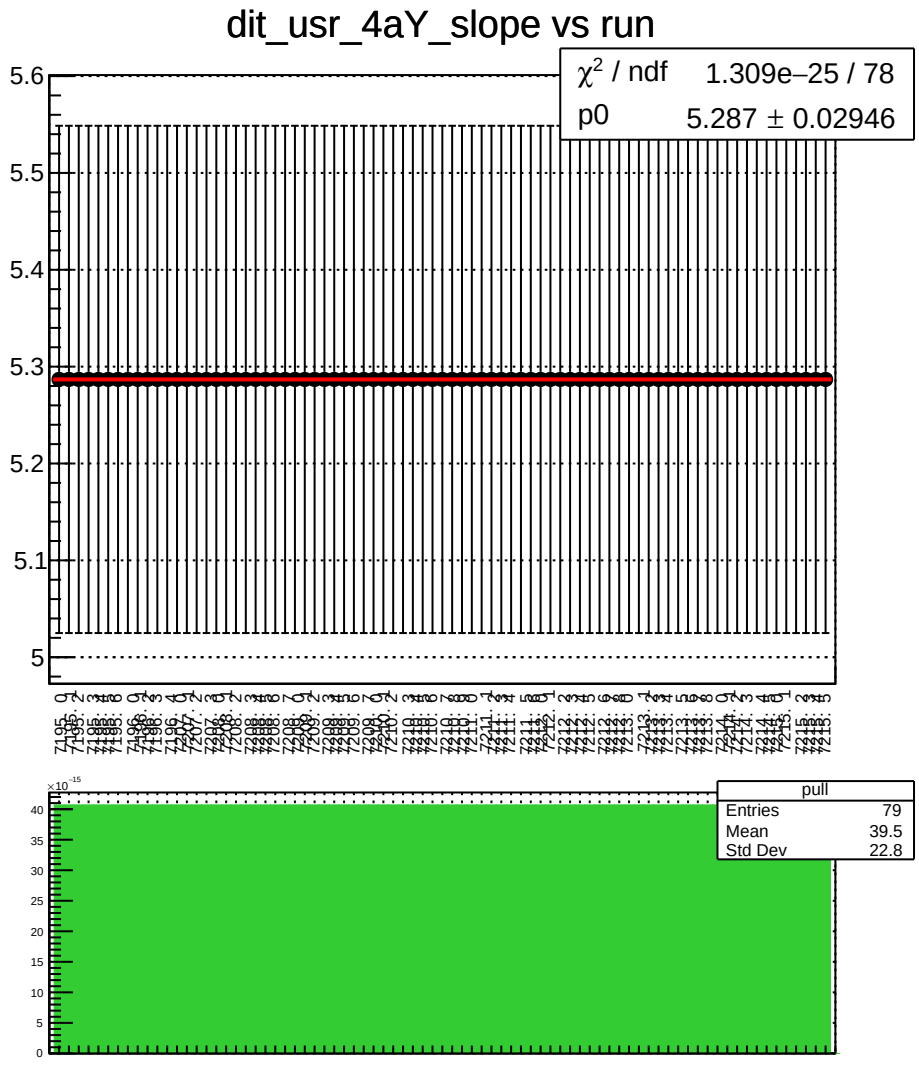

dit_usl_4eY_slope vs run
χ² / ndf 2.726e−25 / 78
p0 16.76 ± 0.04083
17.2
17.1
17
16.9
16.8
16.7
16.6
16.5
16.4
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60

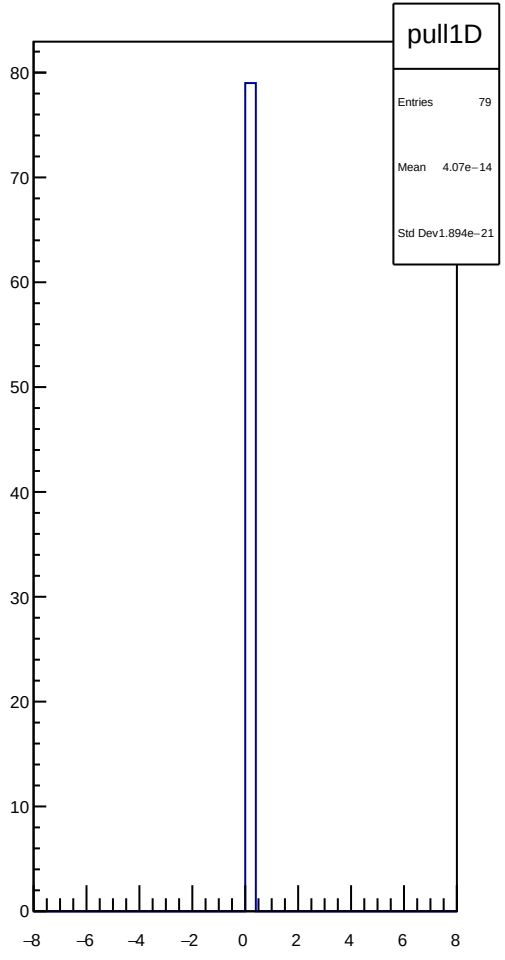

pull1D
Entries 79
Mean −5.874e−14
Std Dev2.075e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

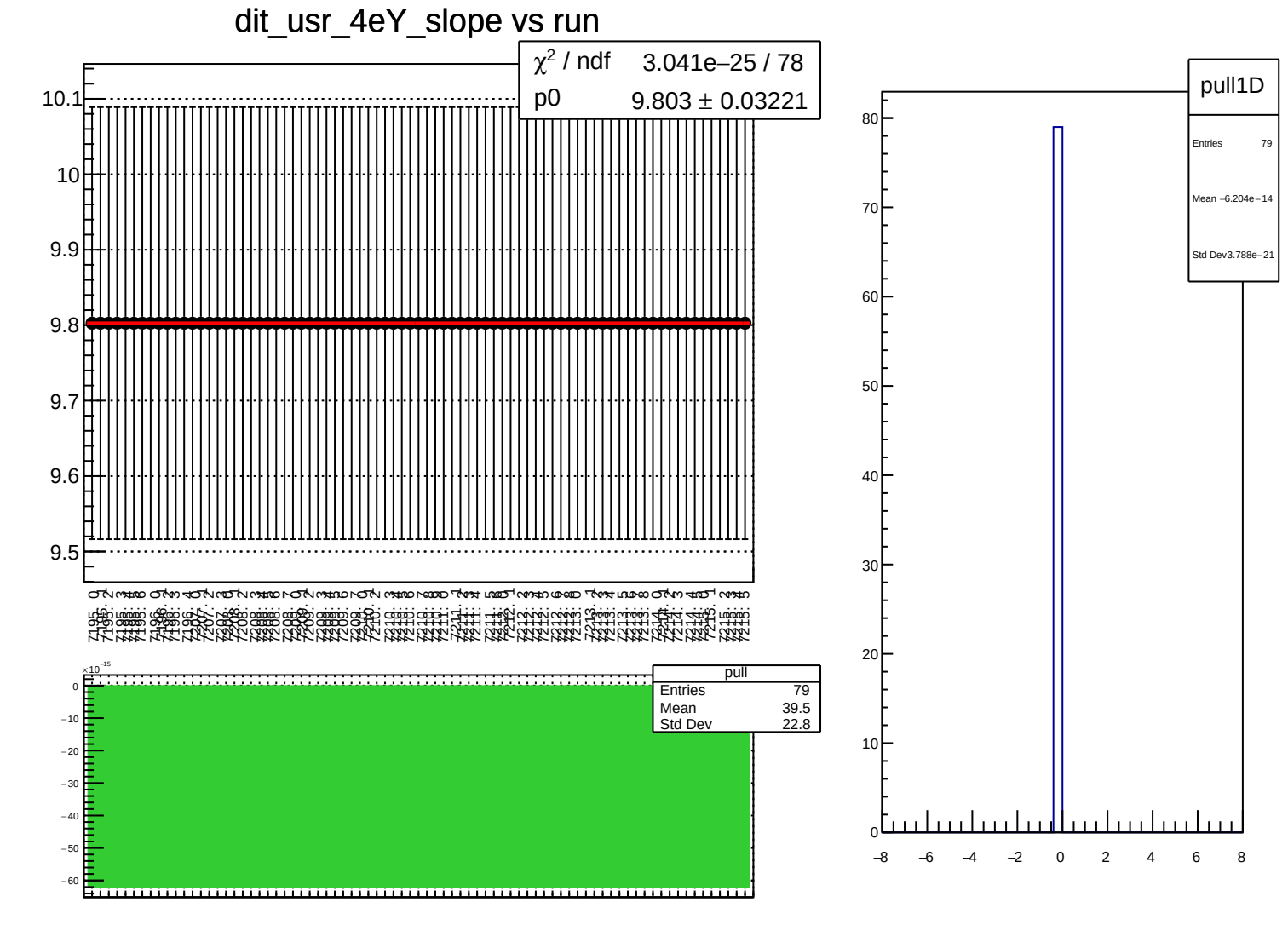

dit_usr_4aX_slope vs run
χ² / ndf 3.877e−25 / 78
p0 −138.8 ± 0.1826
−137
−137.5
−138
−138.5
−139
−139.5
−140
−140.5
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean 7.006e−14
Std Dev 8.47e−22

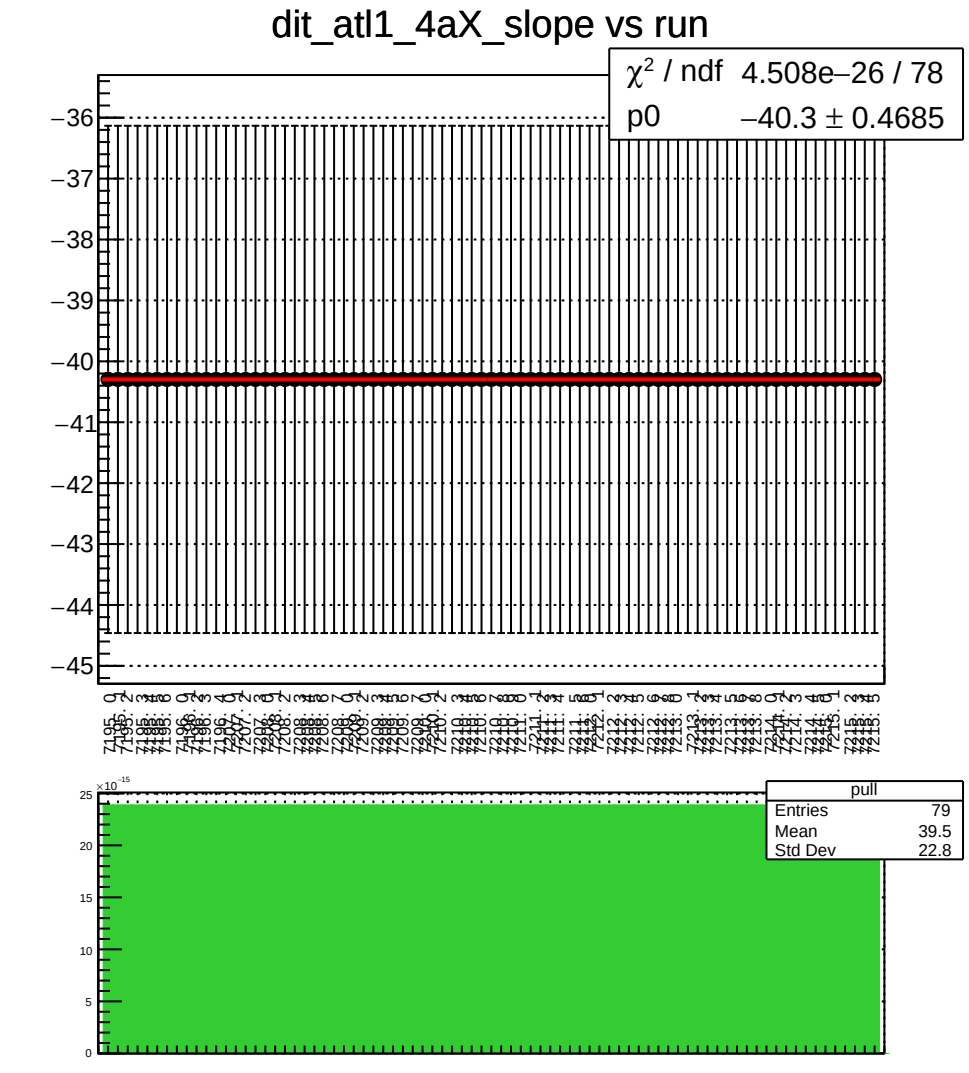

dit_usr_4eX_slope vs run
χ² / ndf 7.122e−24 / 78
p0 197 ± 0.1597
198.5
198
197.5
197
196.5
196
195.5
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
pull1D
Entries 79
Mean −3.003e−13
Std Dev1.355e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

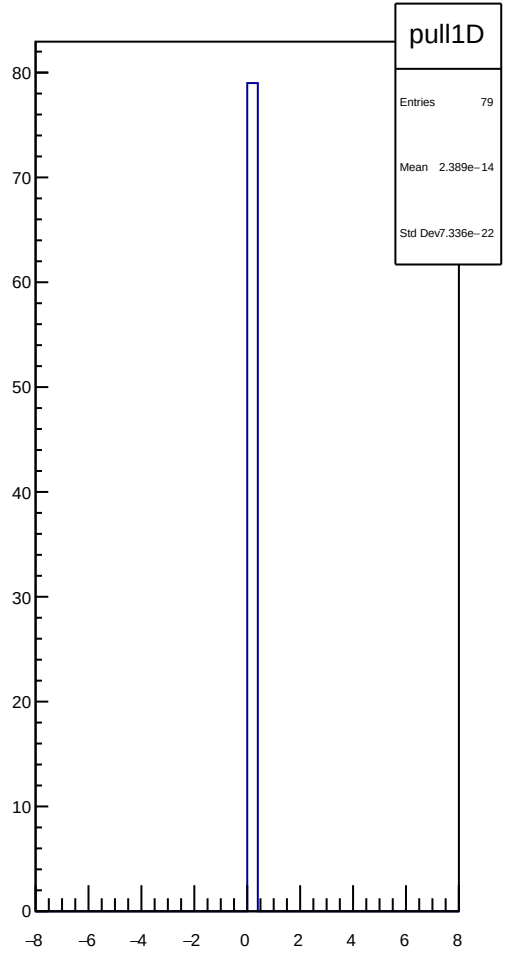

dit_usr_11X12X_slope vs run
χ² / ndf 7.145e−24 / 78
p0 −36.38 ± 0.02127
−36.2
−36.25
−36.3
−36.35
−36.4
−36.45
−36.5
−36.55
−36.6
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
pull1D
Entries 79
Mean −3.007e−13
Std Dev1.222e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

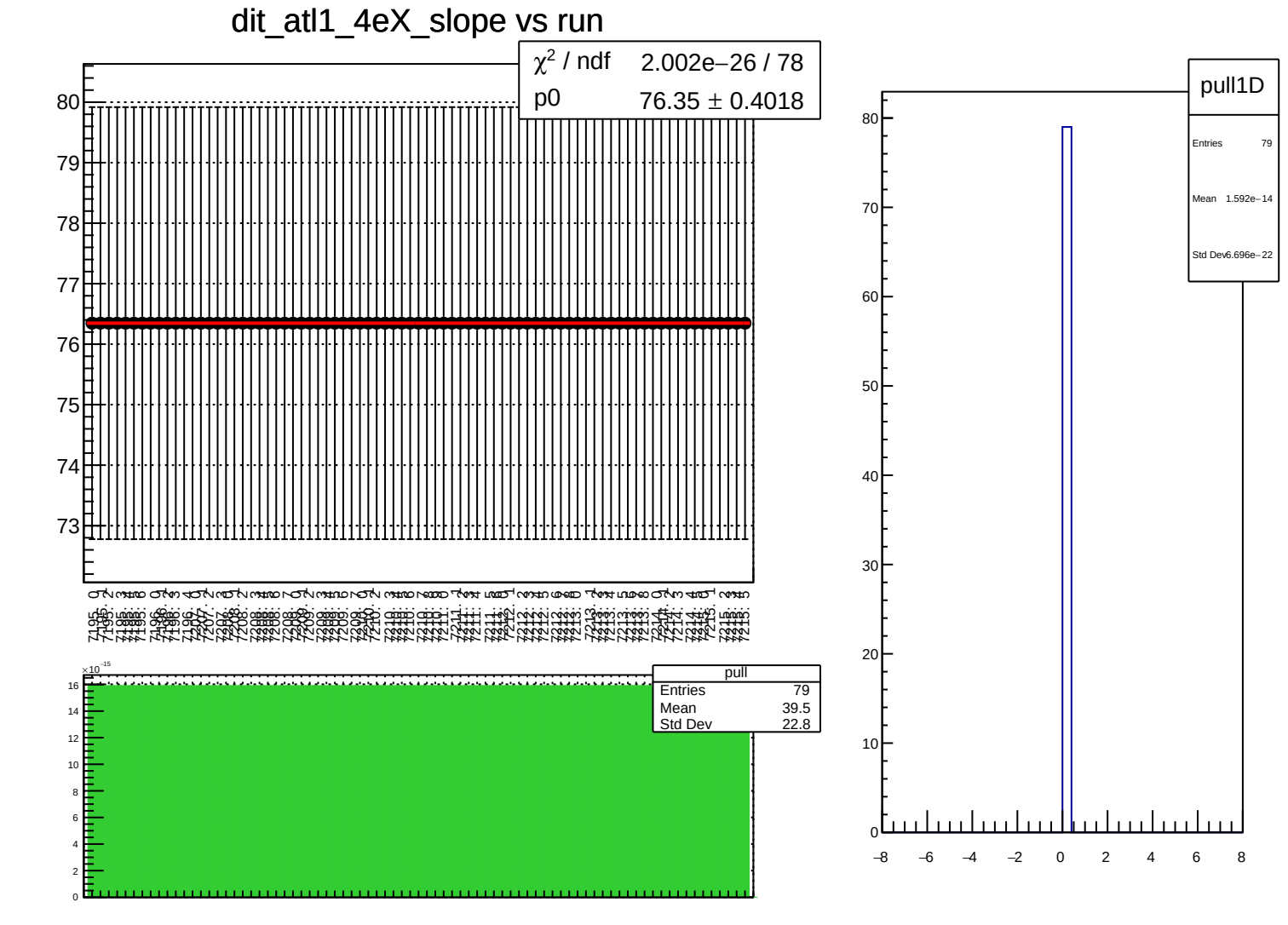

dit_usr_4aY_slope vs run
χ² / ndf 1.309e−25 / 78
p0 5.287 ± 0.02946
pull
Entries 79
Mean 39.5
Std Dev 22.8

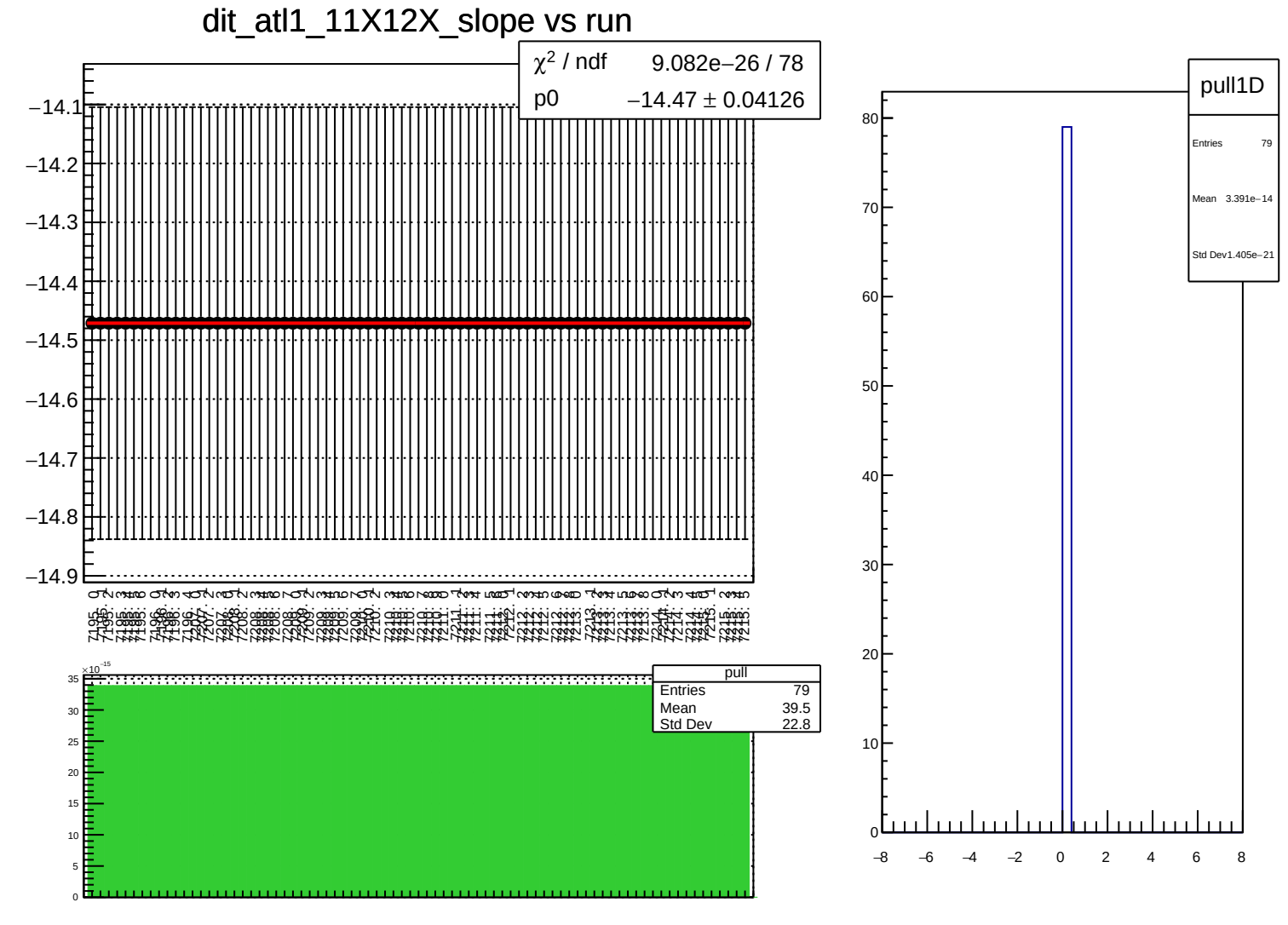

pull1D
Entries 79
Mean 4.07e−14
Std Dev 1.894e−21

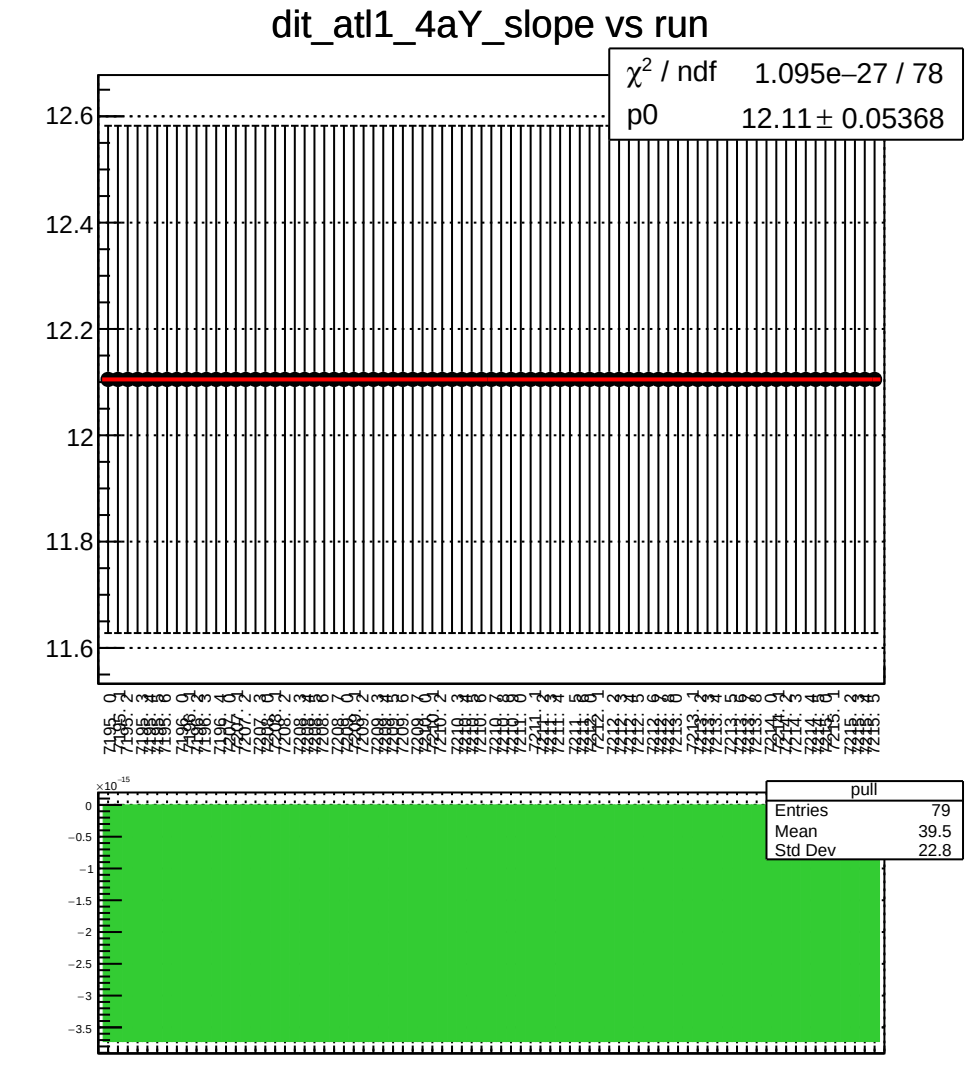

dit_usr_4eY_slope vs run
χ² / ndf 3.041e−25 / 78
p0 9.803 ± 0.03221
10.1
10
9.9
9.8
9.7
9.6
9.5
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
pull1D
Entries 79
Mean −6.204e−14
Std Dev 3.788e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

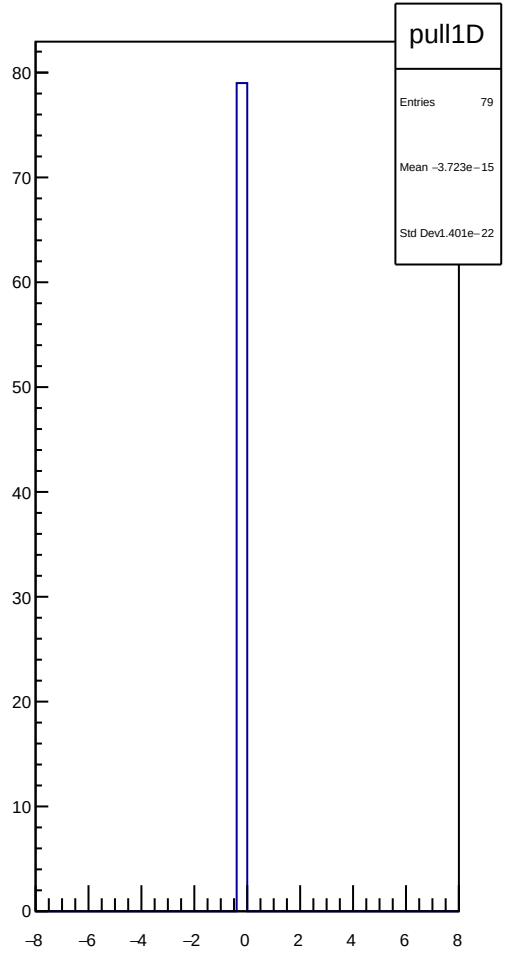

dit_atl1_4aX_slope vs run
χ² / ndf 4.508e−26 / 78
p0 −40.3 ± 0.4685
pull
Entries 79
Mean 39.5
Std Dev 22.8

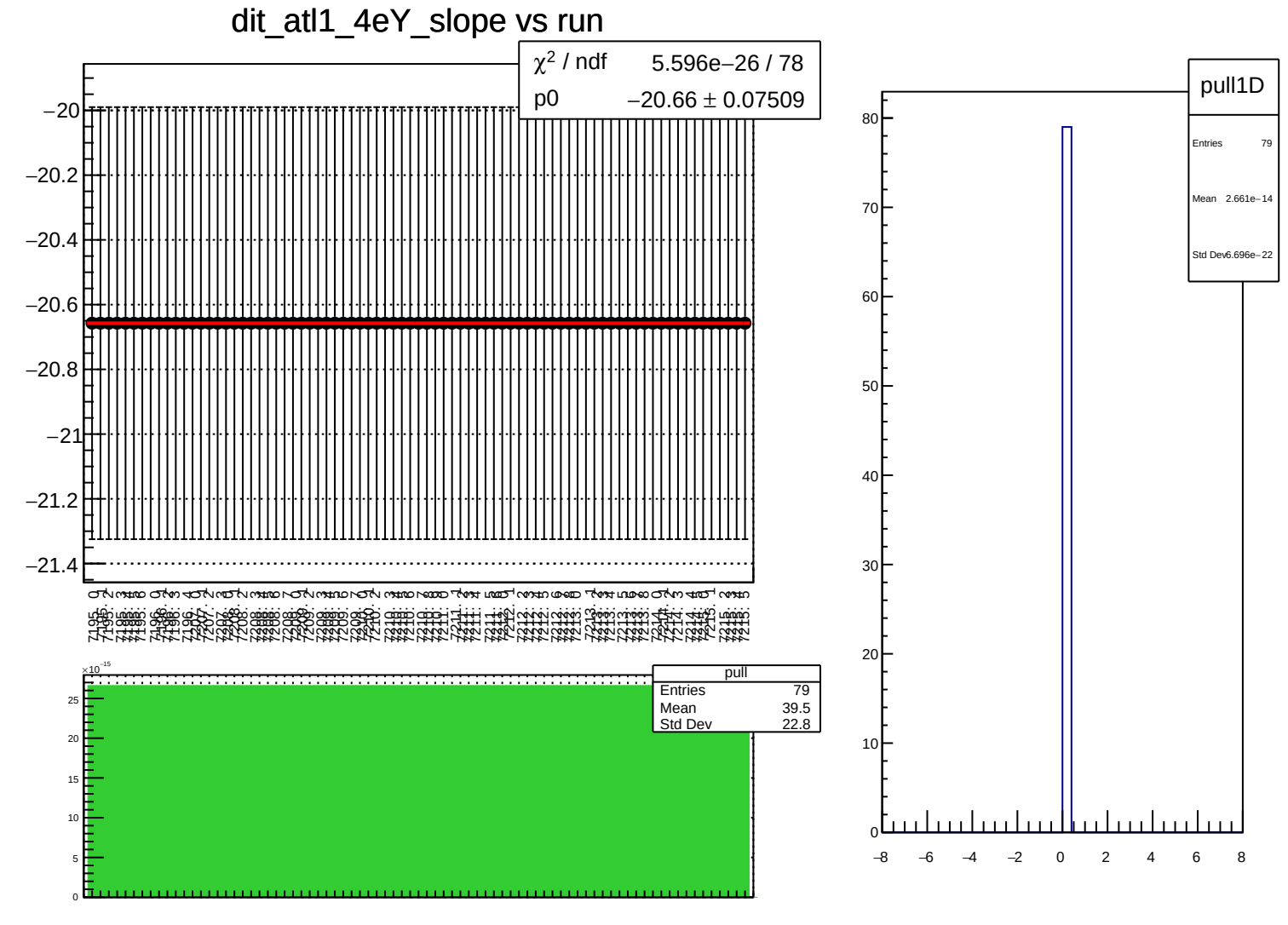

pull1D
Entries 79
Mean 2.389e−14
Std Dev7.336e−22

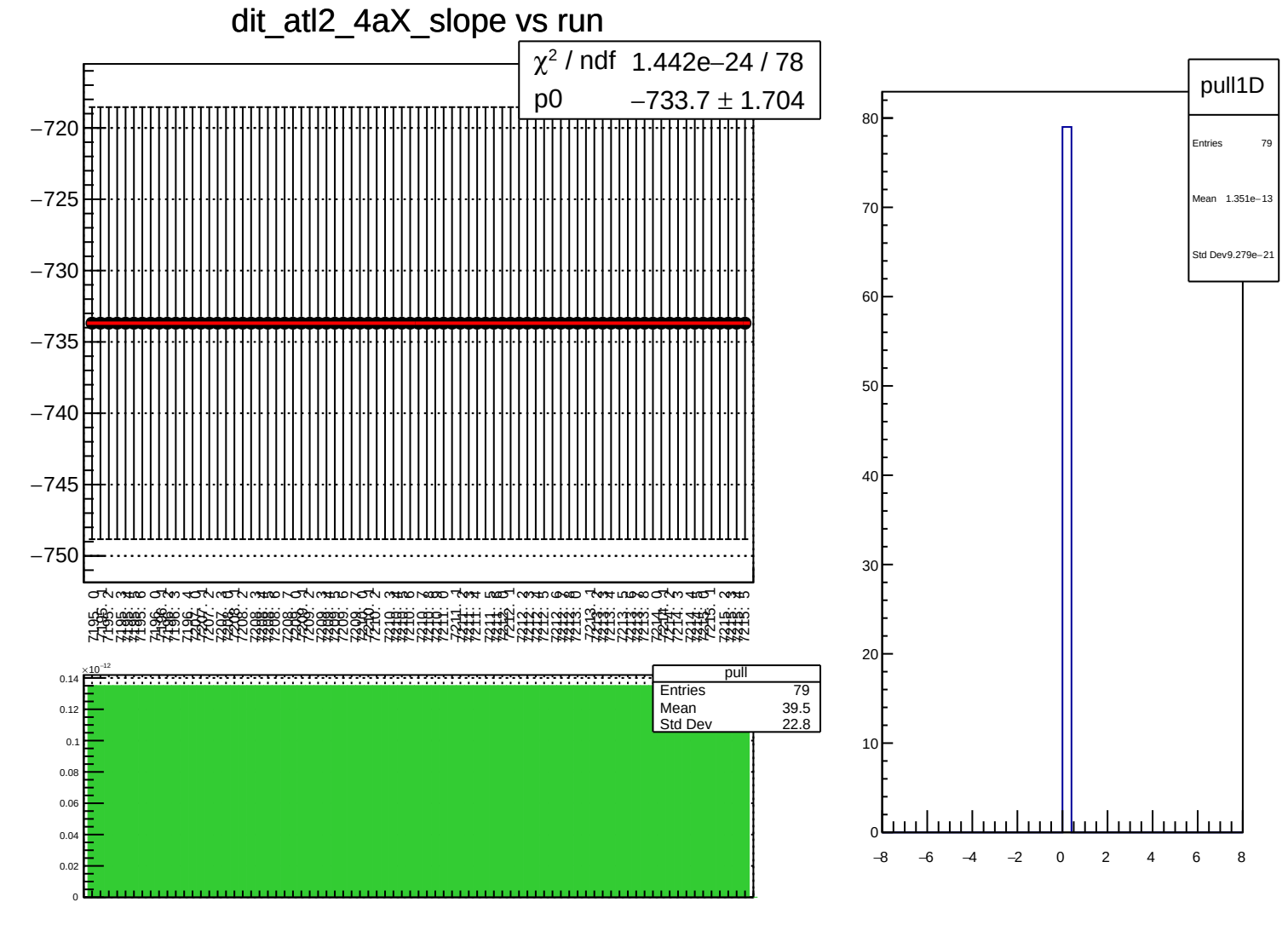

dit_atl1_4eX_slope vs run
χ² / ndf 2.002e−26 / 78
p0 76.35 ± 0.4018
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean 1.592e−14
Std Dev 6.696e−22

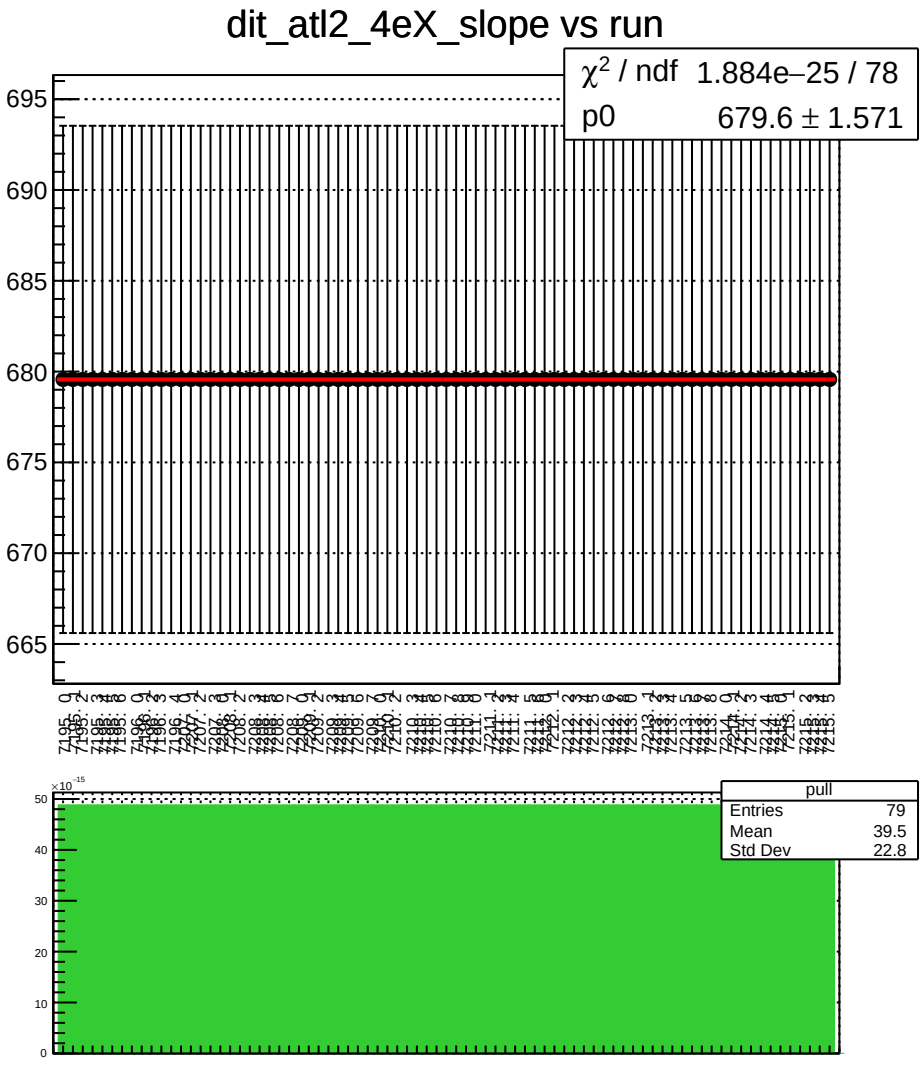

dit_atl1_11X12X_slope vs run
χ² / ndf 9.082e−26 / 78
p0 −14.47 ± 0.04126
−14.1
−14.2
−14.3
−14.4
−14.5
−14.6
−14.7
−14.8
−14.9
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹⁵
35
30
25
20
15
10
5
0
pull1D
Entries 79
Mean 3.391e−14
Std Dev1.405e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

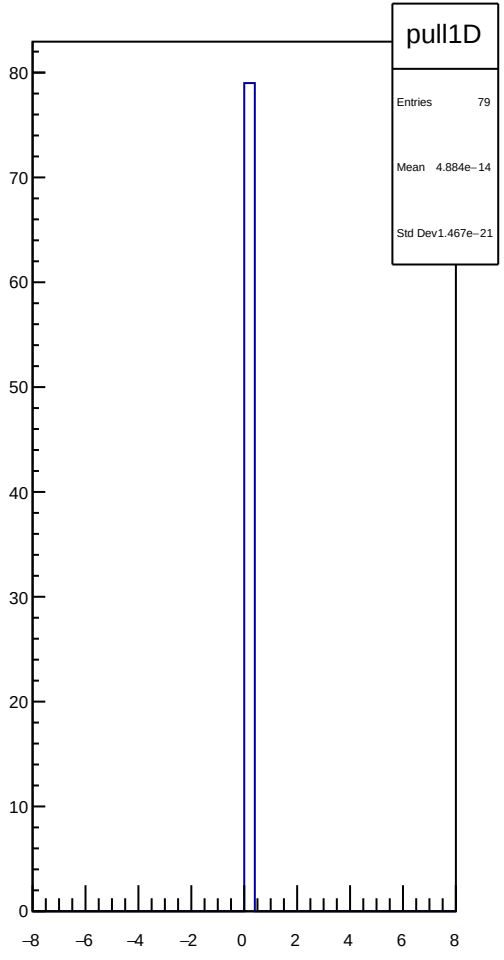

dit_atl1_4aY_slope vs run
χ² / ndf 1.095e−27 / 78
p0 12.11 ± 0.05368
12.6
12.4
12.2
12
11.8
11.6
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5

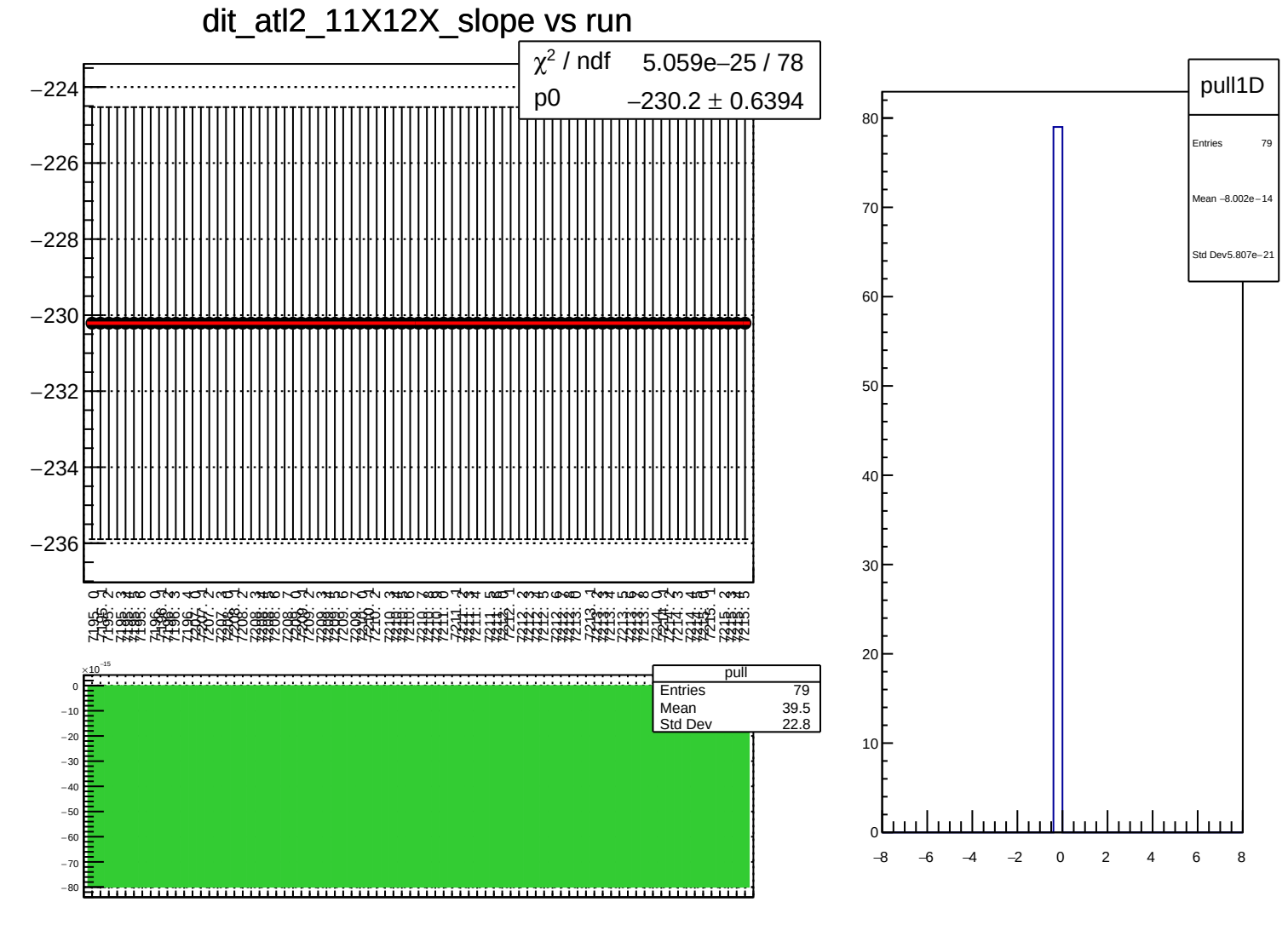

pull1D
Entries 79
Mean −3.723e−15
Std Dev1.401e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

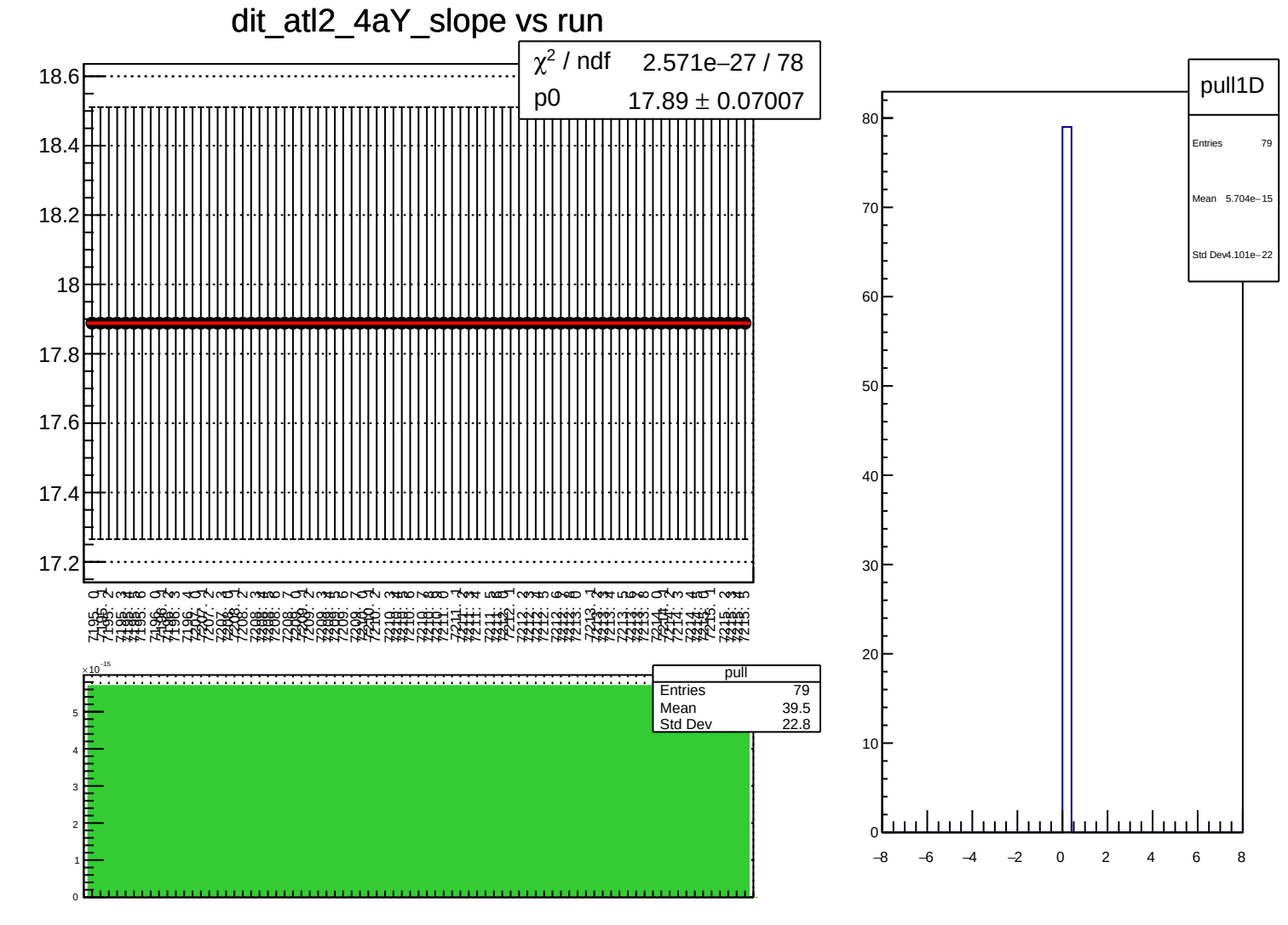

dit_atl1_4eY_slope vs run
χ² / ndf 5.596e−26 / 78
p0 −20.66 ± 0.07509
−20
−20.2
−20.4
−20.6
−20.8
−21
−21.2
−21.4
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹⁵
25
20
15
10
5
0
pull1D
Entries 79
Mean 2.661e−14
Std Dev 6.696e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

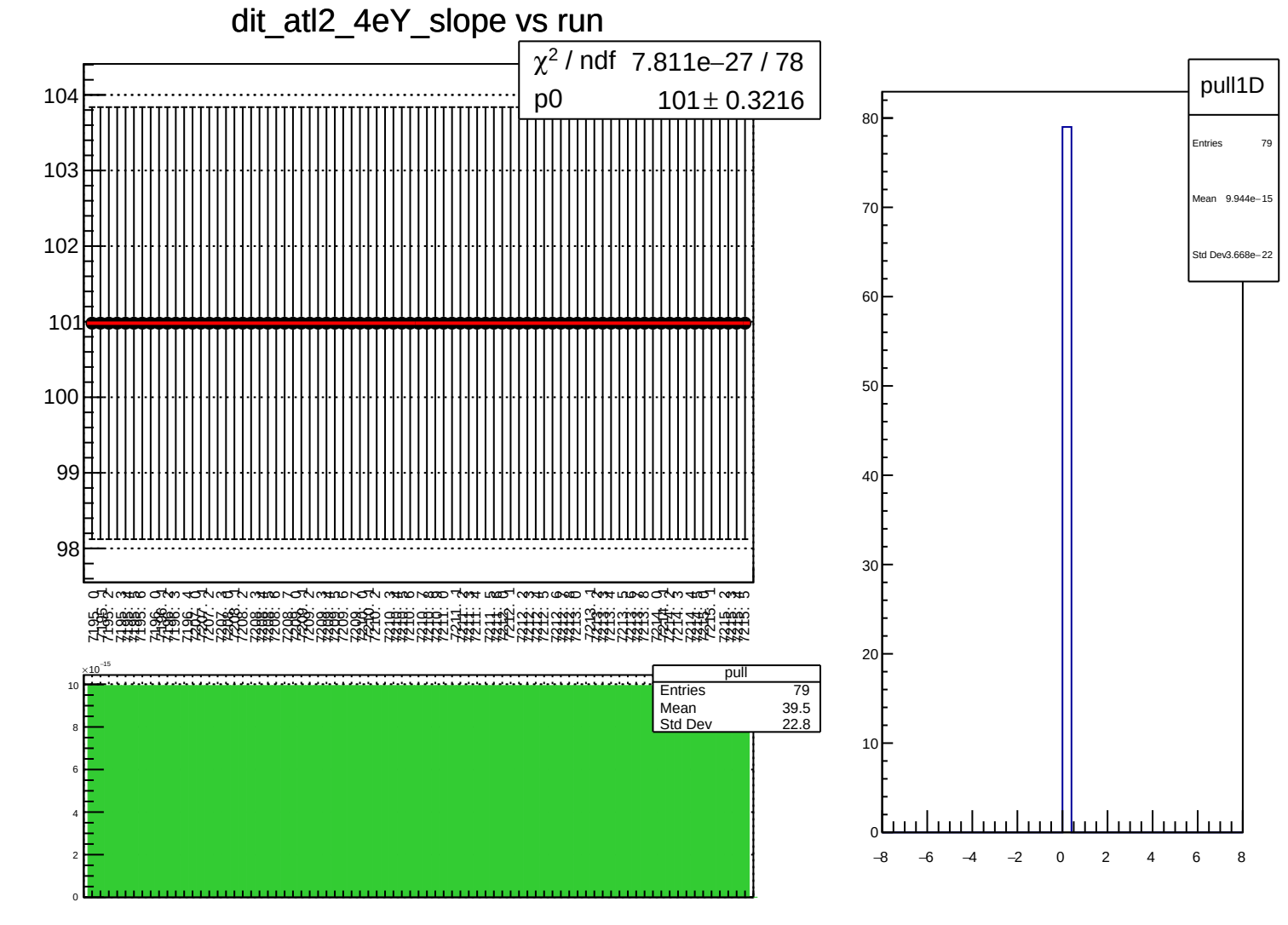

dit_atl2_4aX_slope vs run
χ² / ndf 1.442e−24 / 78
p0 −733.7 ± 1.704
−720
−725
−730
−735
−740
−745
−750
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹²
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 79
Mean 1.351e−13
Std Dev9.279e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

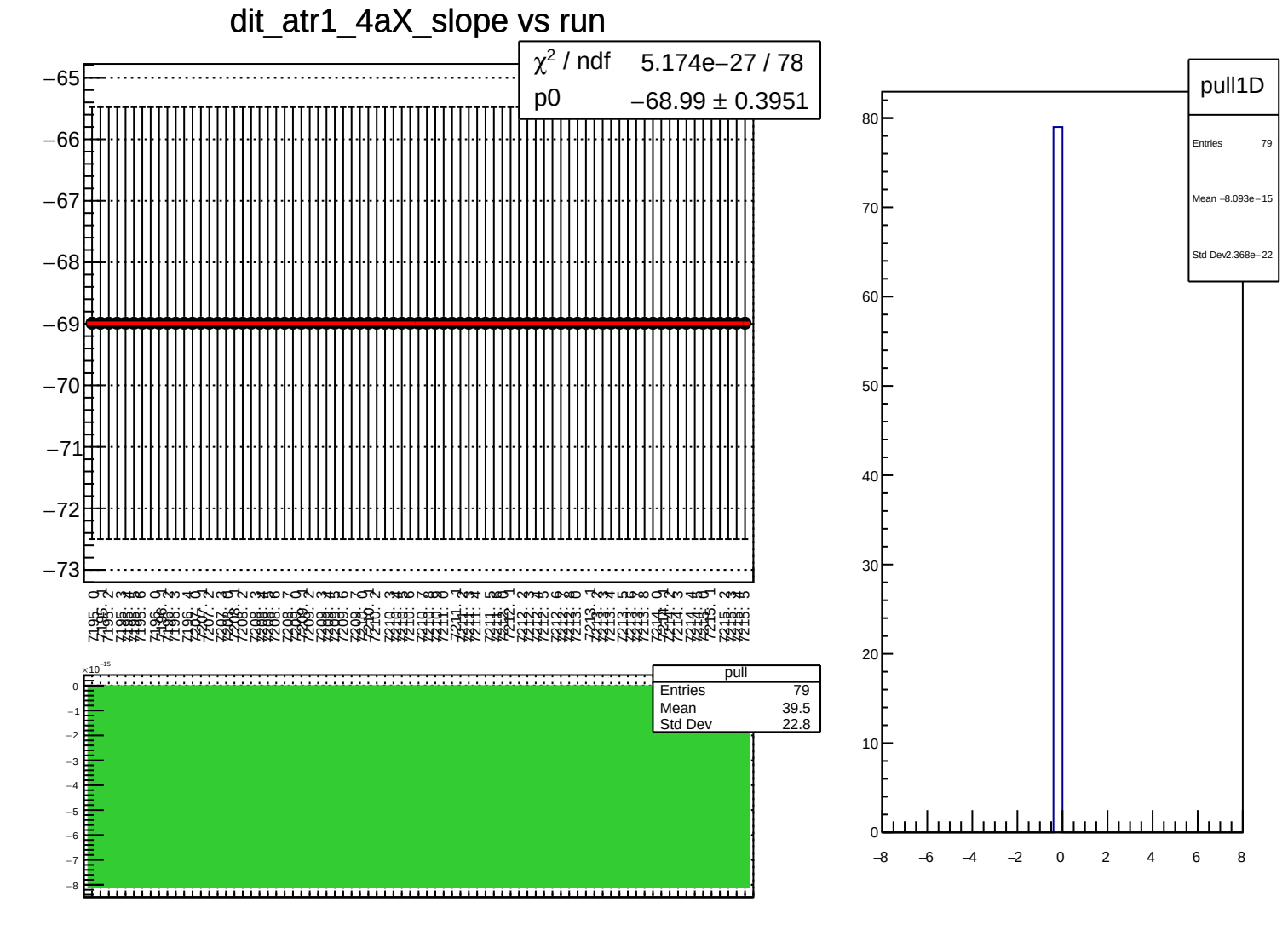

dit_atl2_4eX_slope vs run
χ^2 / ndf 1.884e−25 / 78
p0 679.6 ± 1.571
695
690
685
680
675
670
665
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10^-15
50
40
30
20
10
0

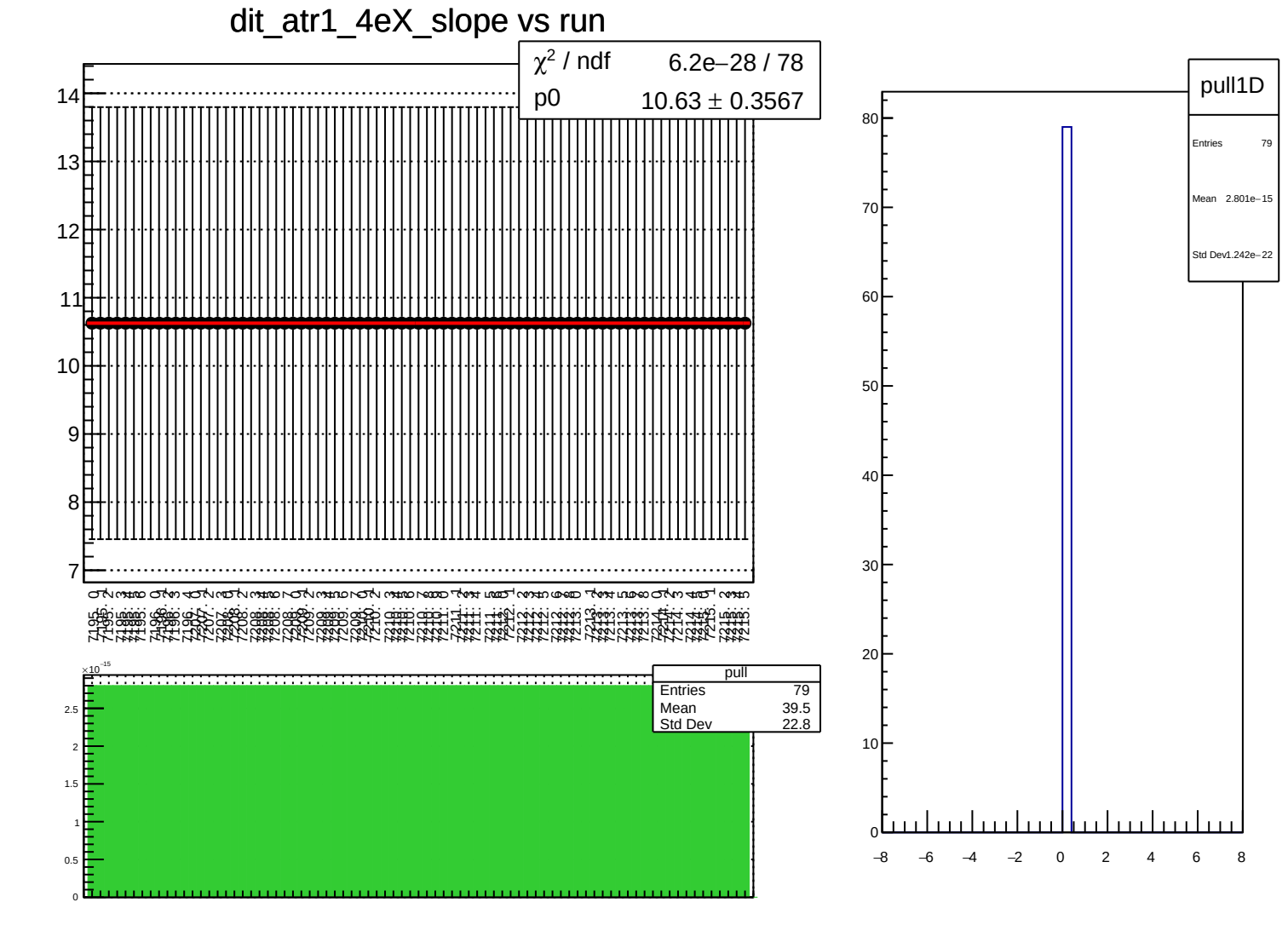

pull1D
Entries 79
Mean 4.884e−14
Std Dev 1.467e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

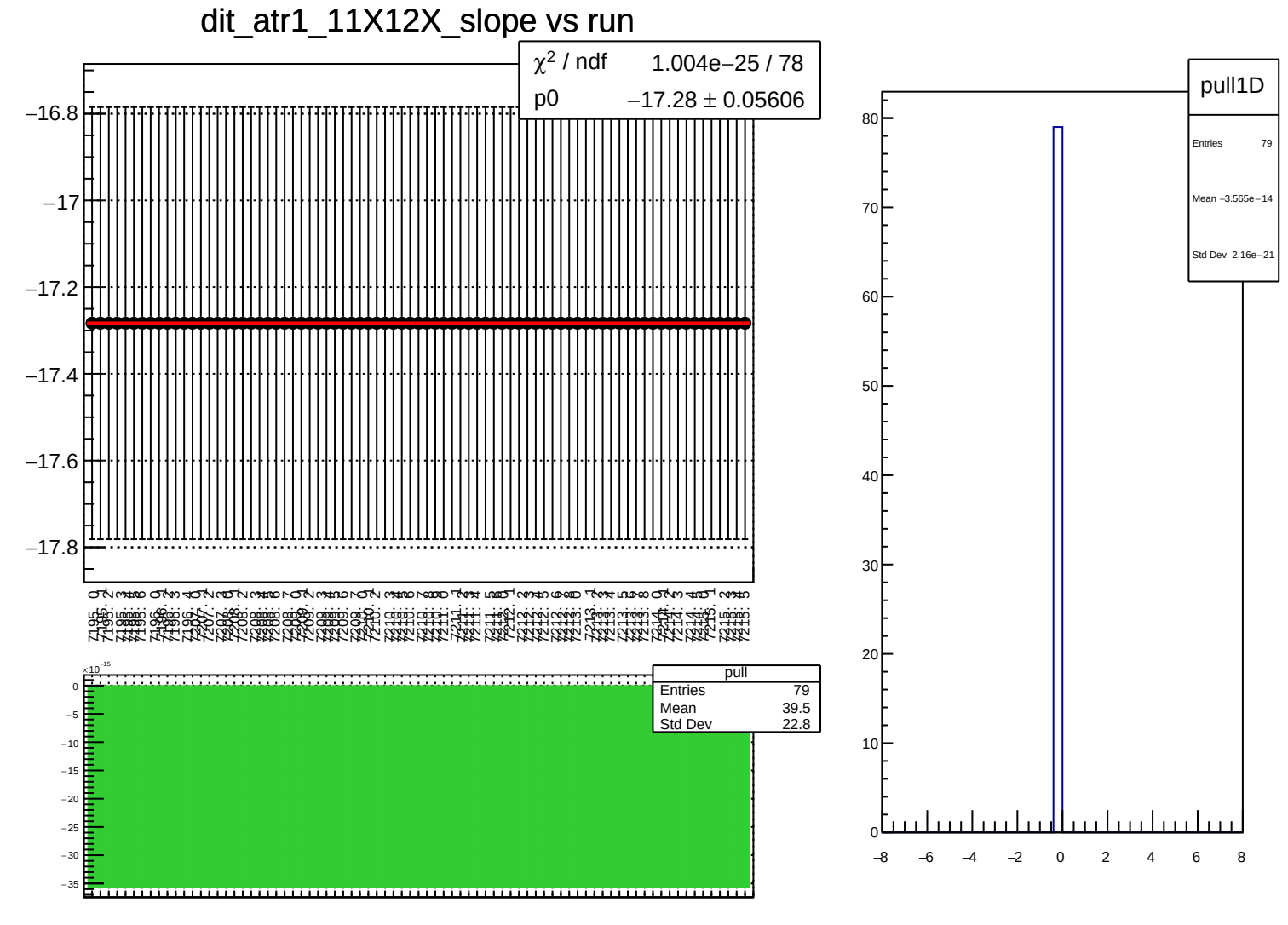

dit_atl2_11X12X_slope vs run
χ² / ndf 5.059e−25 / 78
p0 −230.2 ± 0.6394
−224
−226
−228
−230
−232
−234
−236
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80
pull1D
Entries 79
Mean −8.002e−14
Std Dev5.807e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

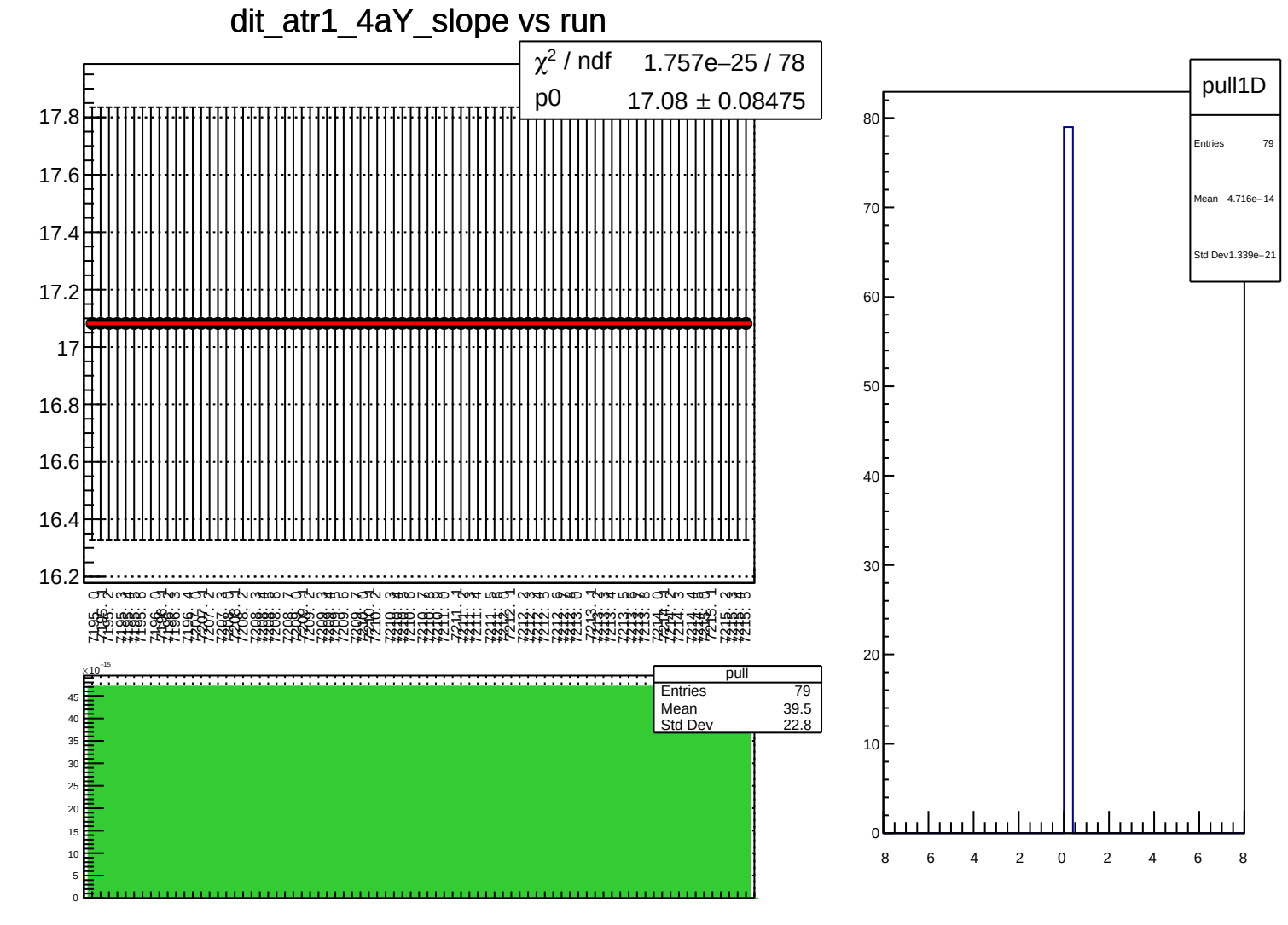

dit_atl2_4aY_slope vs run
χ² / ndf 2.571e−27 / 78
p0 17.89 ± 0.07007
18.6
18.4
18.2
18
17.8
17.6
17.4
17.2
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹⁵
pull1D
Entries 79
Mean 5.704e−15
Std Dev4.101e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

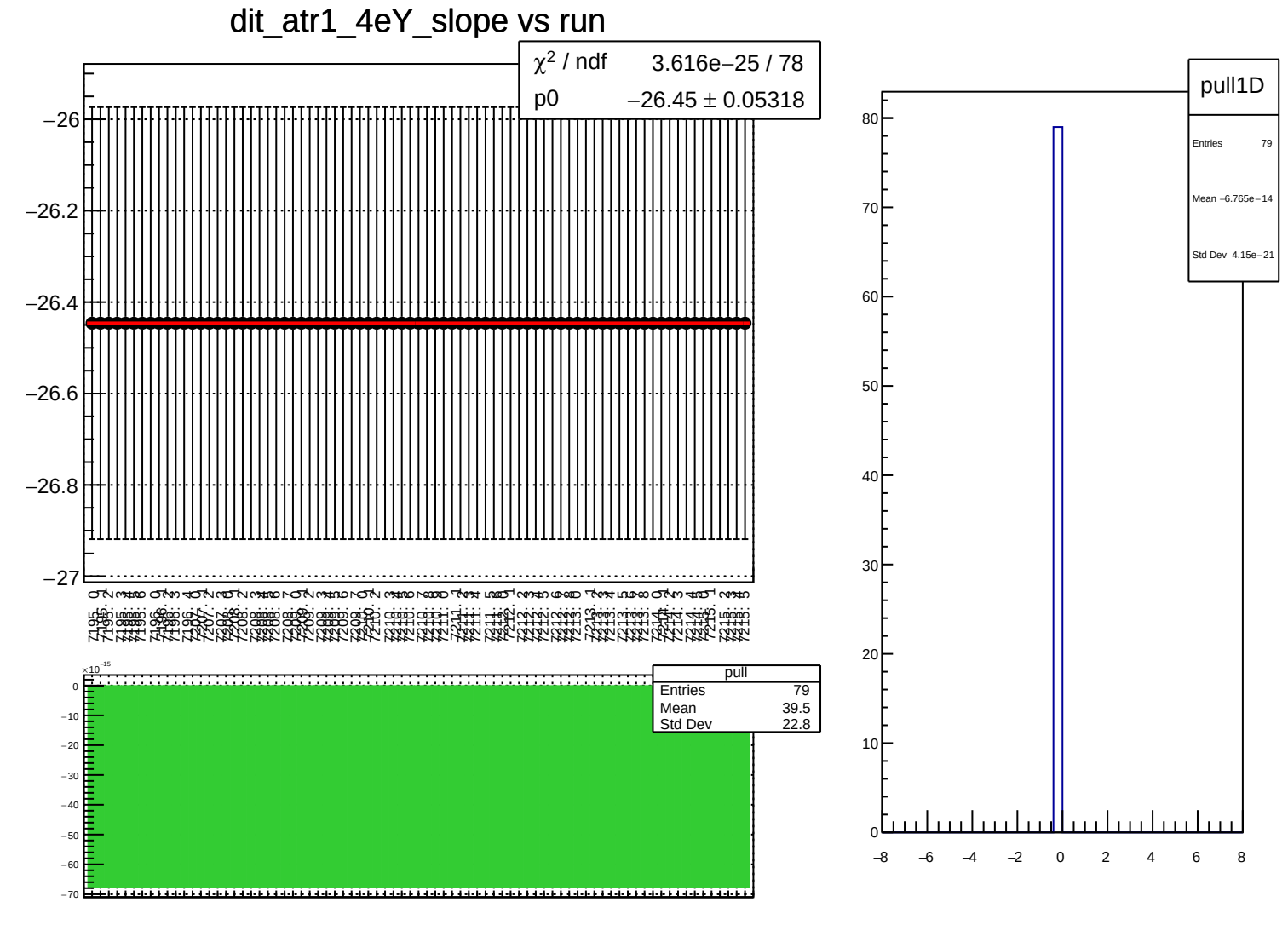

dit_atl2_4eY_slope vs run
χ² / ndf 7.811e−27 / 78
p0 101 ± 0.3216
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean 9.944e−15
Std Dev 3.668e−22

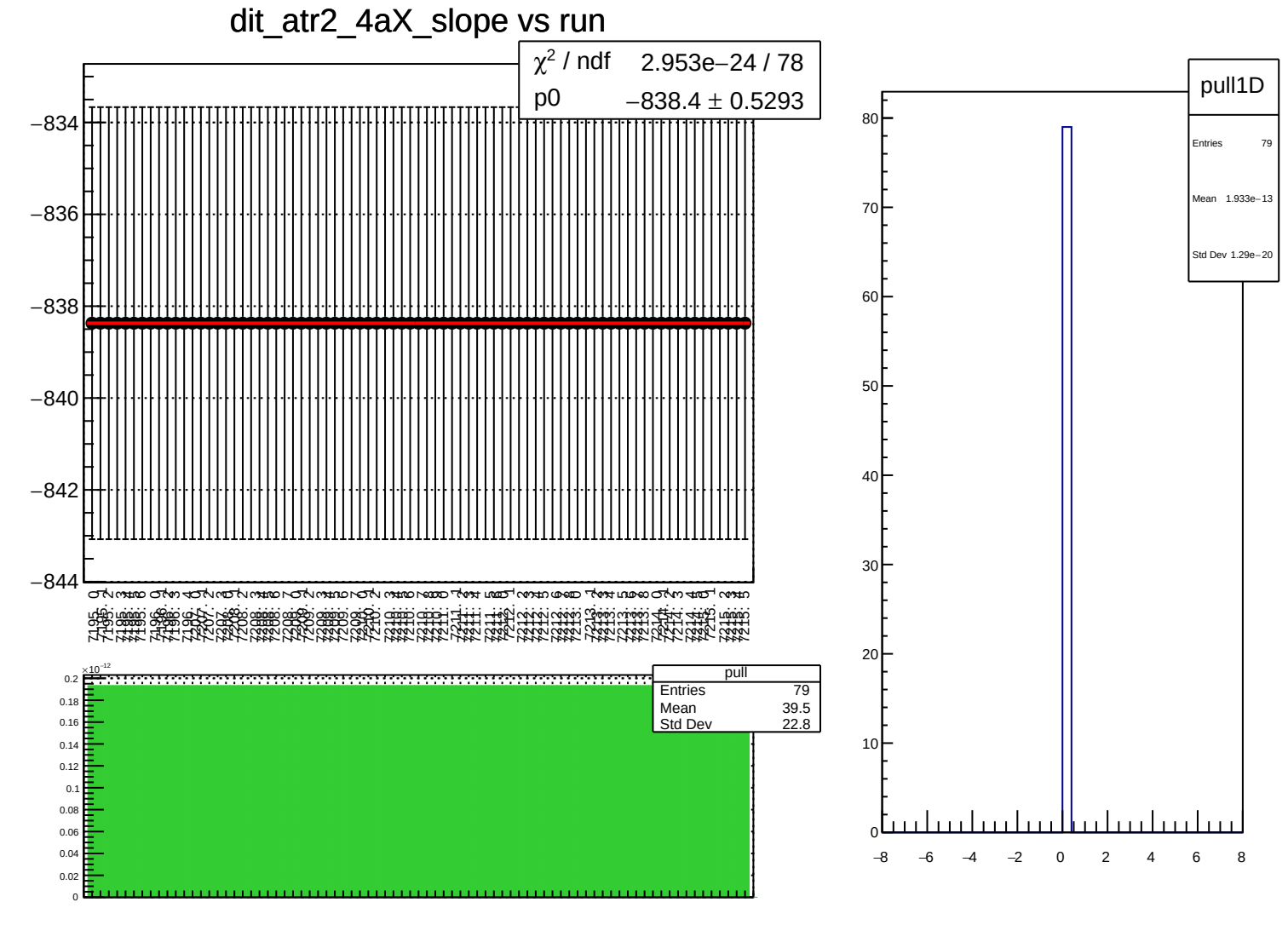

dit_atr1_4aX_slope vs run
χ² / ndf 5.174e−27 / 78
p0 −68.99 ± 0.3951
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean −8.093e−15
Std Dev 2.368e−22

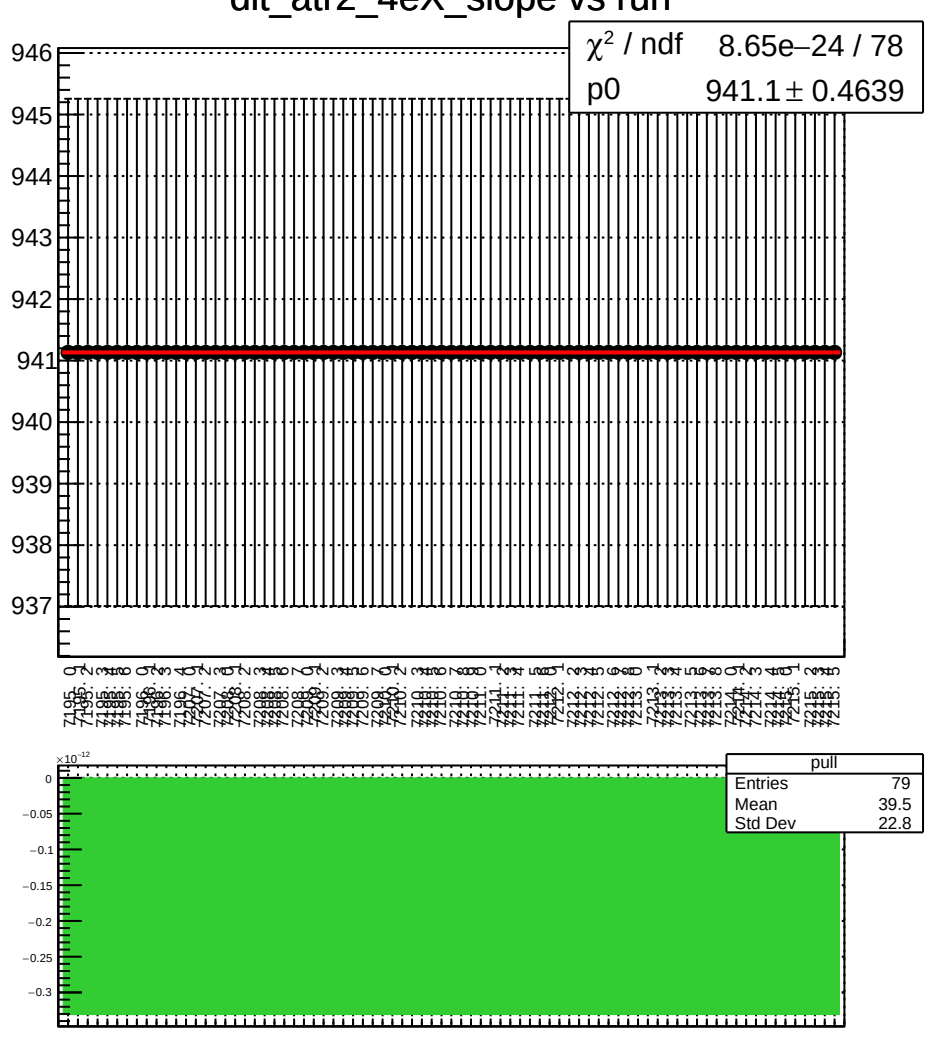

dit_atr1_4eX_slope vs run
χ² / ndf 6.2e−28 / 78
p0 10.63 ± 0.3567
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean 2.801e−15
Std Dev1.242e−22

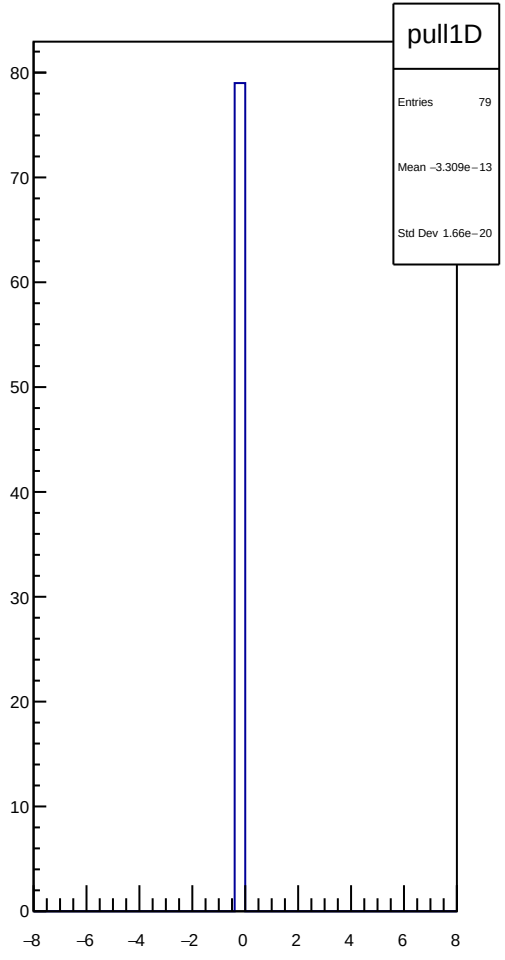

dit_atr1_11X12X_slope vs run
χ² / ndf 1.004e−25 / 78
p0 −17.28 ± 0.05606
−16.8
−17
−17.2
−17.4
−17.6
−17.8
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
pull1D
Entries 79
Mean −3.565e−14
Std Dev 2.16e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

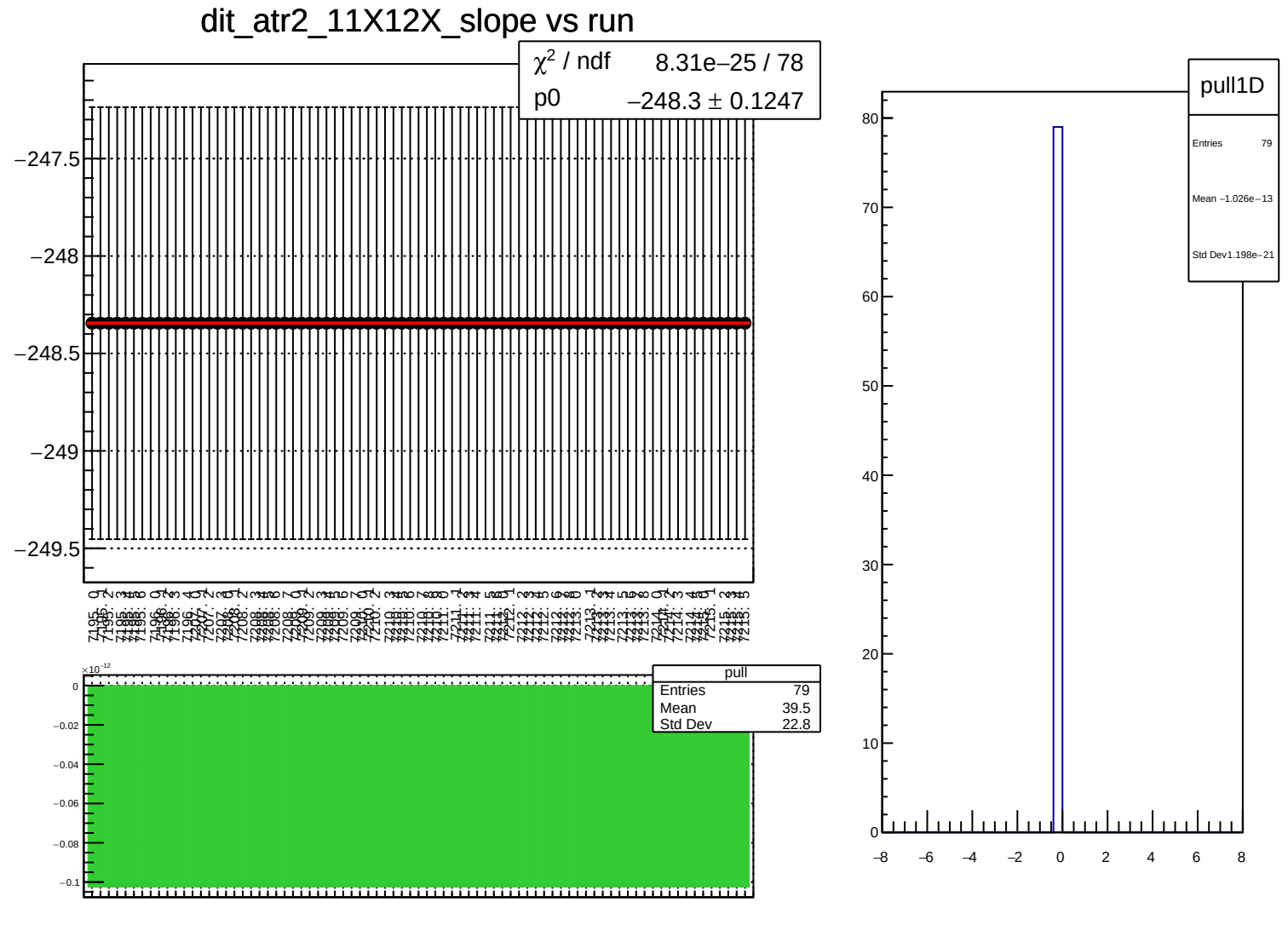

dit_atr1_4aY_slope vs run
χ² / ndf 1.757e−25 / 78
p0 17.08 ± 0.08475
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean 4.716e−14
Std Dev1.339e−21

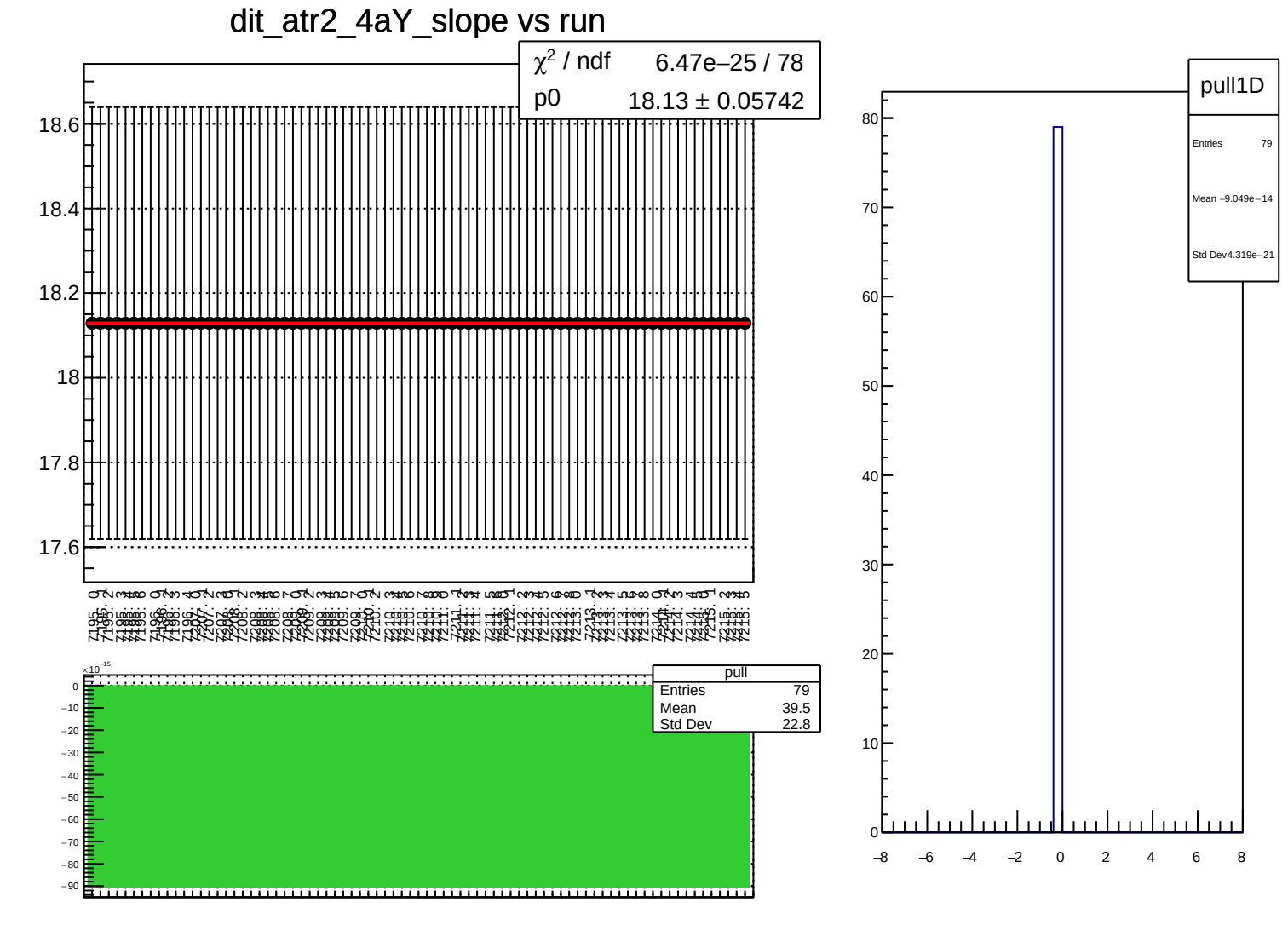

dit_atr1_4eY_slope vs run
χ² / ndf 3.616e−25 / 78
p0 −26.45 ± 0.05318
−26
−26.2
−26.4
−26.6
−26.8
−27
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
pull1D
Entries 79
Mean −6.765e−14
Std Dev 4.15e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

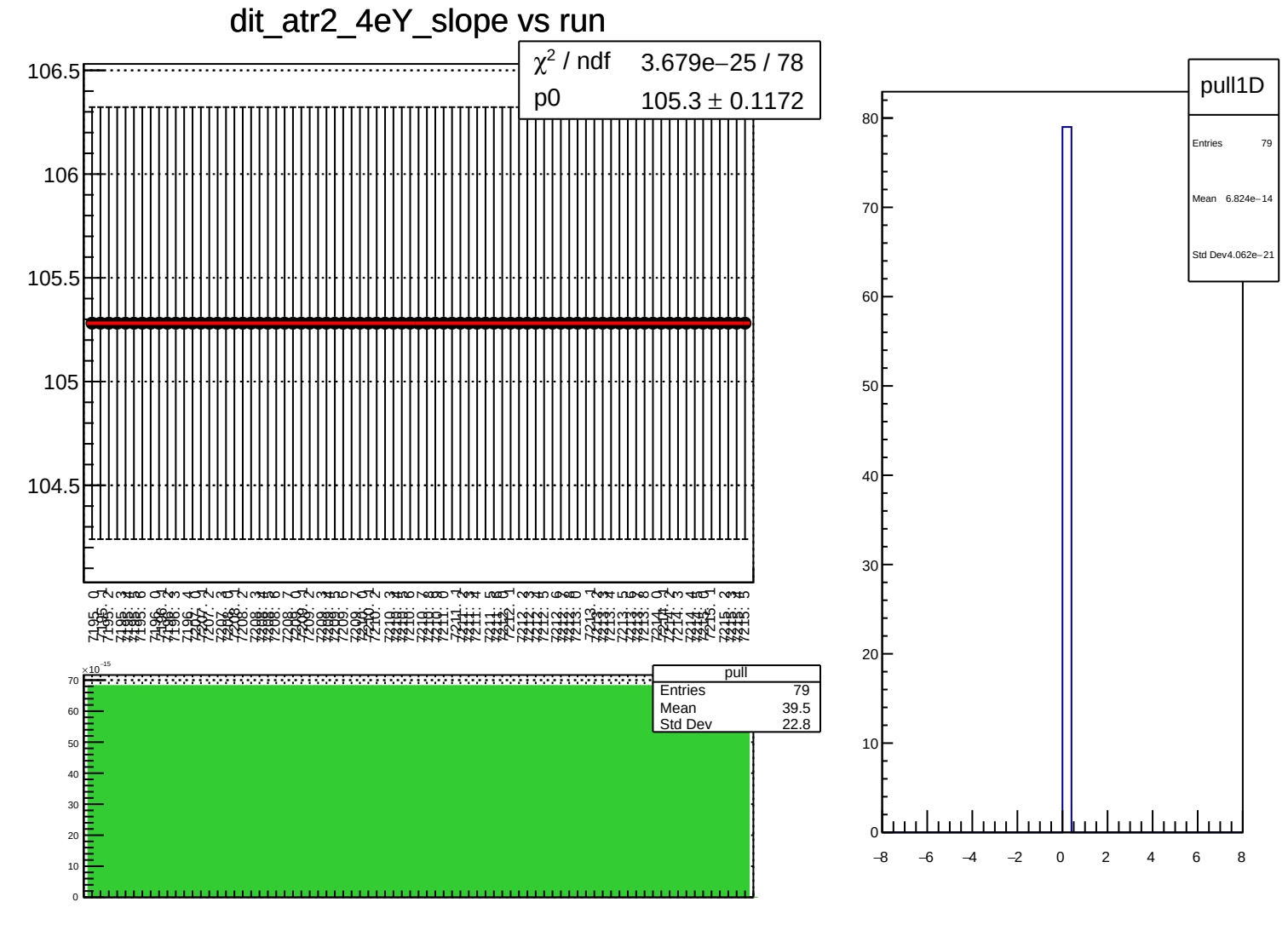

dit_atr2_4aX_slope vs run
χ^2 / ndf 2.953e−24 / 78
p0 −838.4 ± 0.5293
−834
−836
−838
−840
−842
−844
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹²
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 79
Mean 1.933e−13
Std Dev 1.29e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

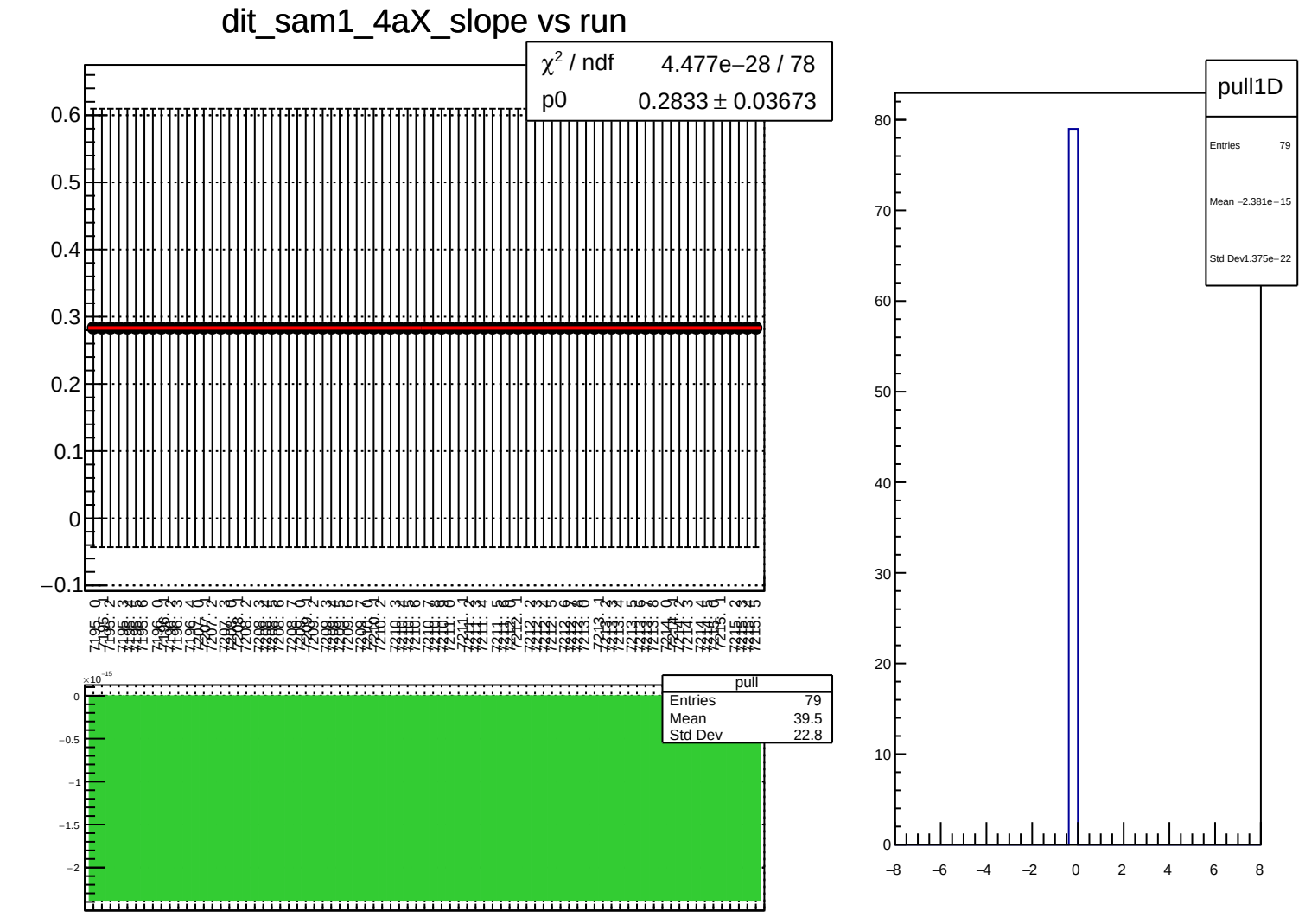

dit_atr2_4eX_slope vs run
χ² / ndf 8.65e−24 / 78
p0 941.1 ± 0.4639
946
945
944
943
942
941
940
939
938
937
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3

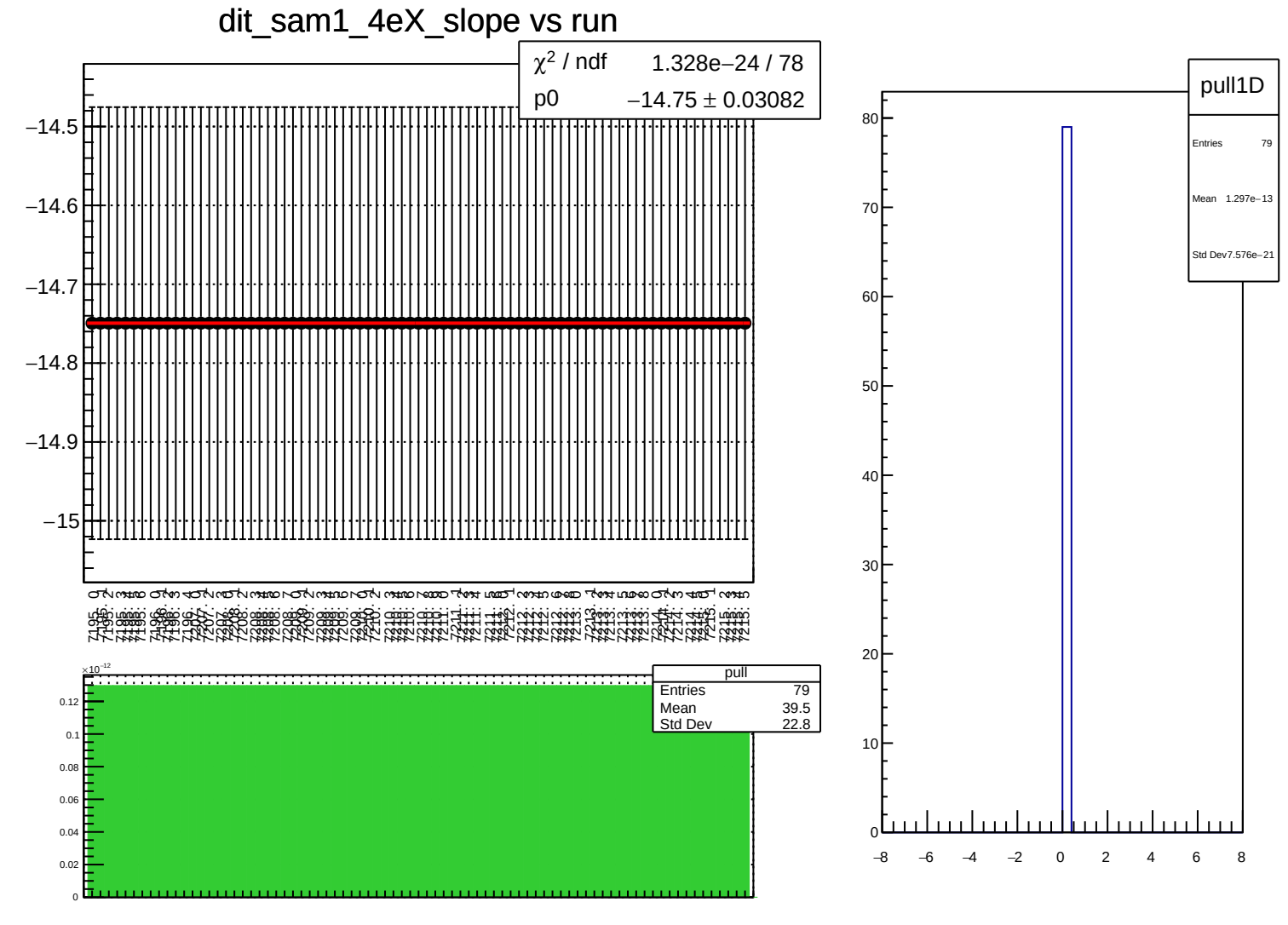

pull1D
Entries 79
Mean −3.309e−13
Std Dev 1.66e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

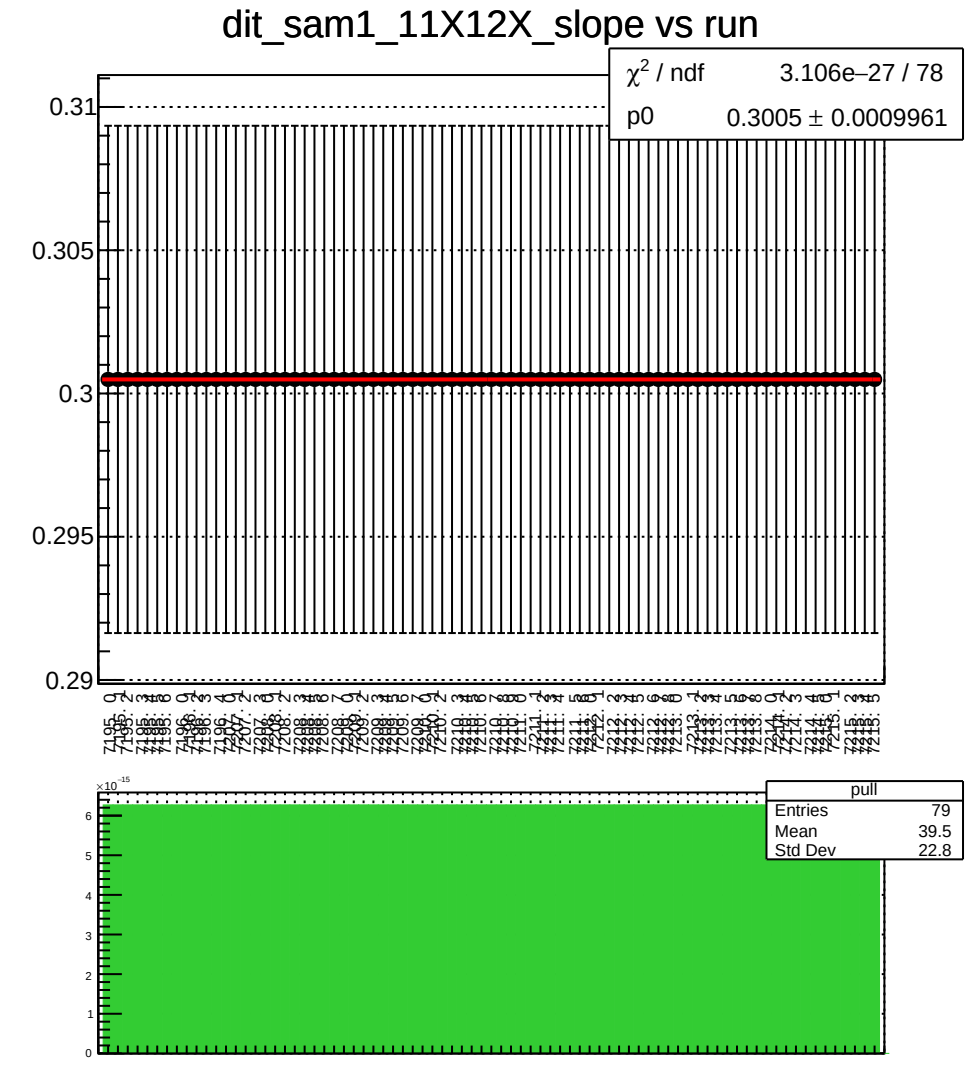

dit_atr2_11X12X_slope vs run
χ² / ndf 8.31e−25 / 78
p0 −248.3 ± 0.1247
−247.5
−248
−248.5
−249
−249.5
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull1D
Entries 79
Mean −1.026e−13
Std Dev1.198e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

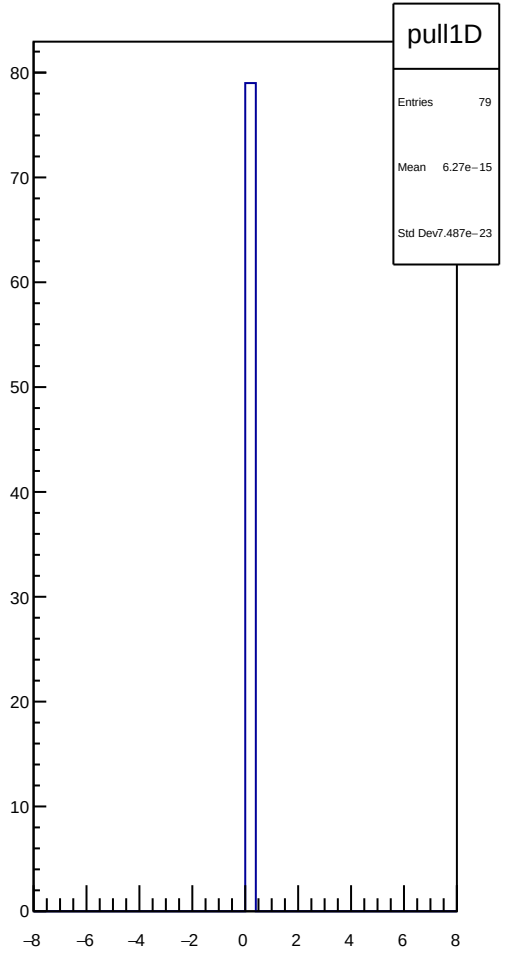

dit_atr2_4aY_slope vs run
χ² / ndf 6.47e−25 / 78
p0 18.13 ± 0.05742
18.6
18.4
18.2
18
17.8
17.6
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80
−90
pull1D
Entries 79
Mean −9.049e−14
Std Dev4.319e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

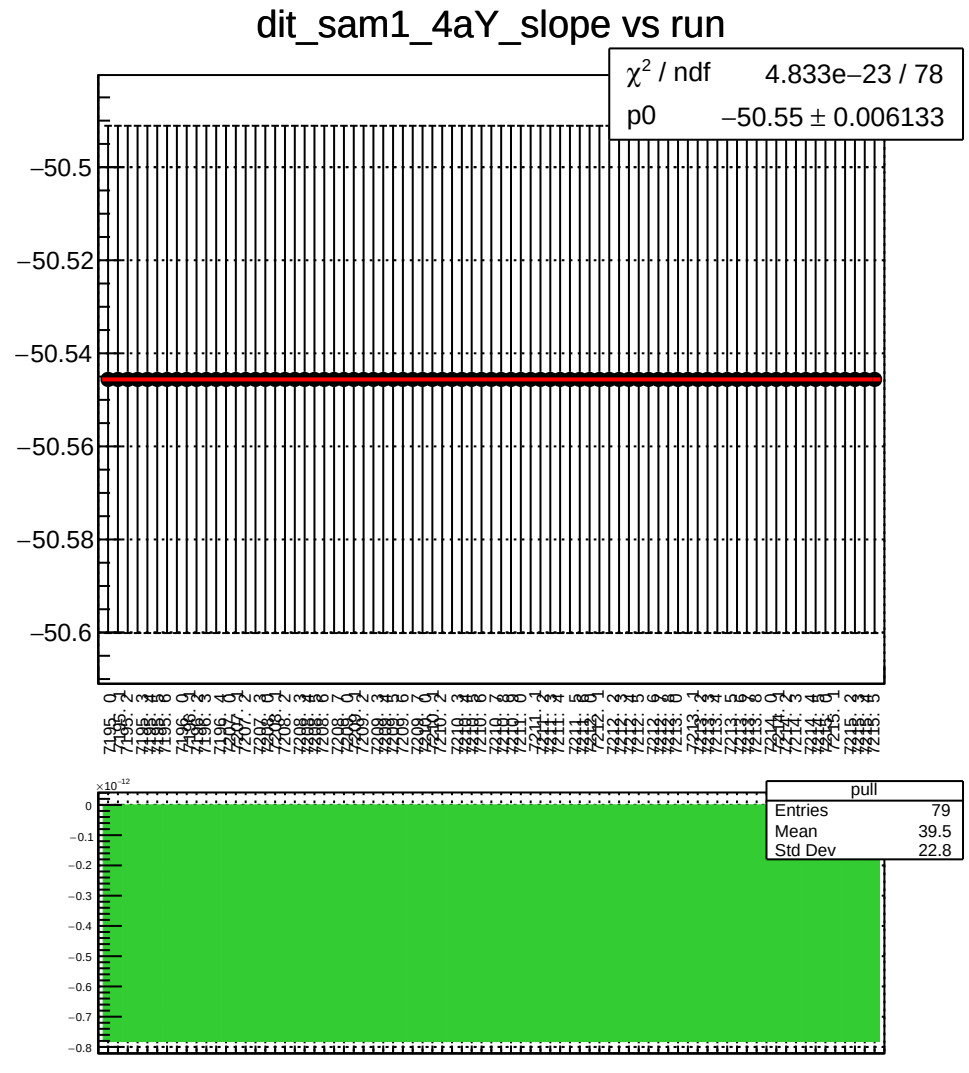

dit_atr2_4eY_slope vs run
χ² / ndf 3.679e−25 / 78
p0 105.3 ± 0.1172
106.5
106
105.5
105
104.5
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean 6.824e−14
Std Dev4.062e−21

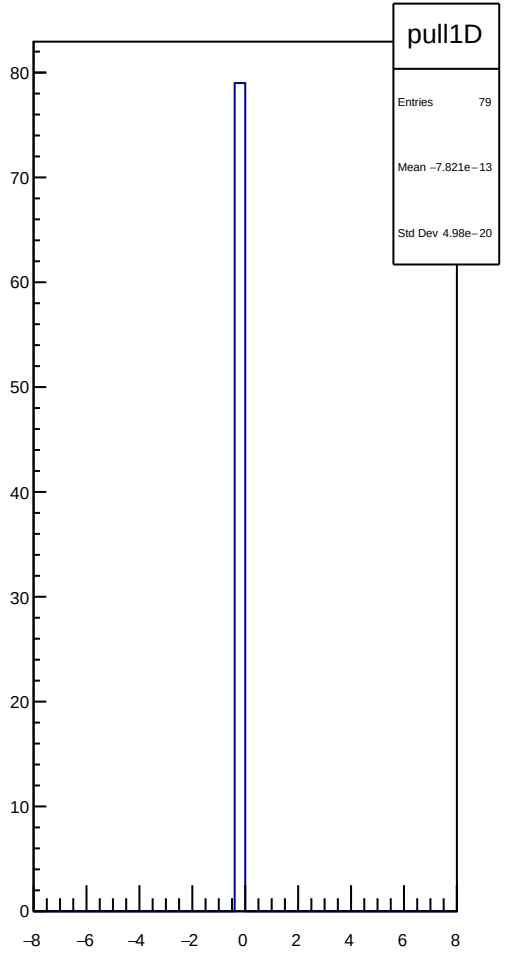

dit_sam1_4aX_slope vs run
χ² / ndf 4.477e−28 / 78
p0 0.2833 ± 0.03673
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean −2.381e−15
Std Dev1.375e−22

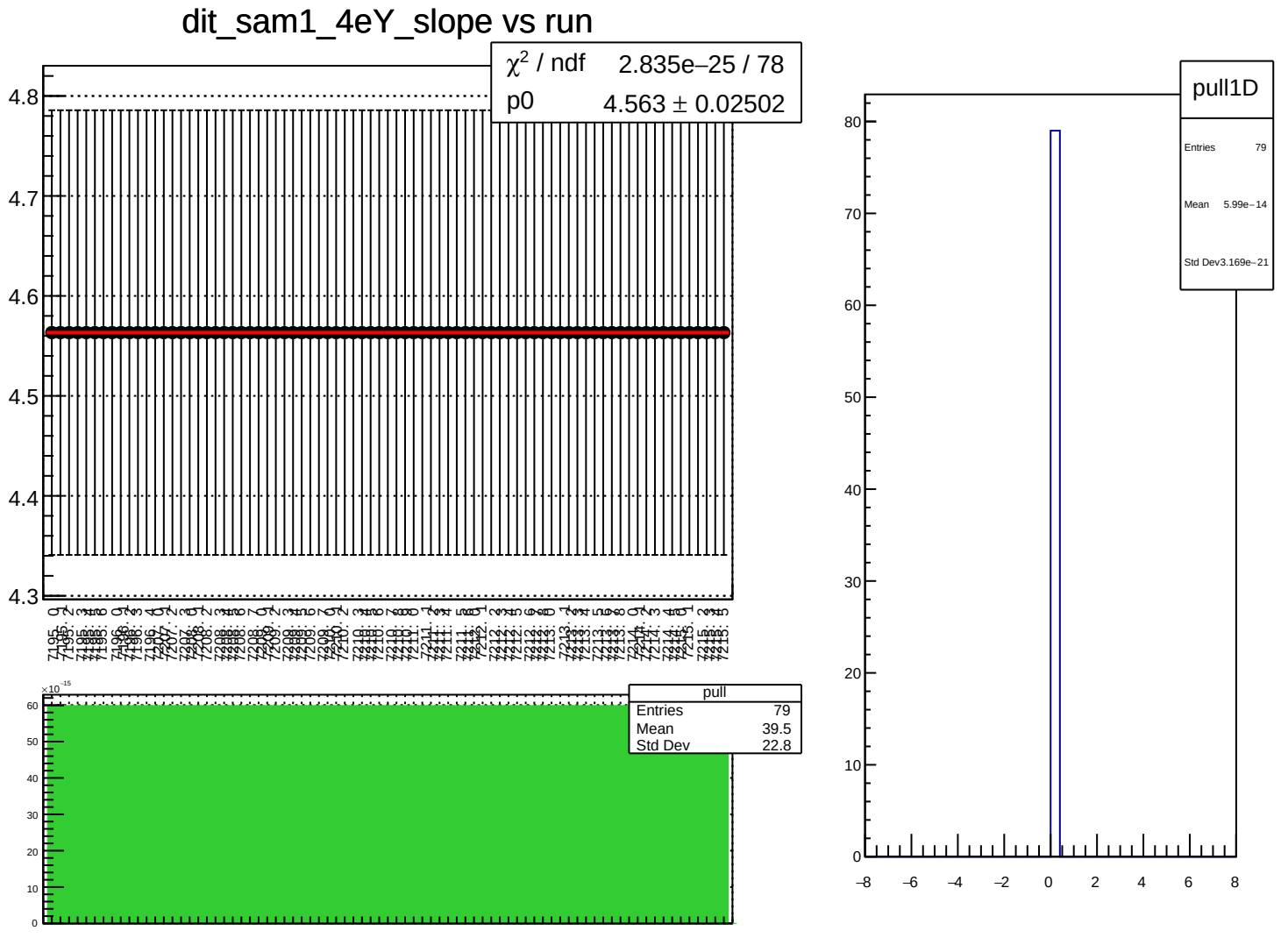

dit_sam1_4eX_slope vs run
χ² / ndf 1.328e−24 / 78
p0 −14.75 ± 0.03082
−14.5
−14.6
−14.7
−14.8
−14.9
−15
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹²
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 79
Mean 1.297e−13
Std Dev7.576e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

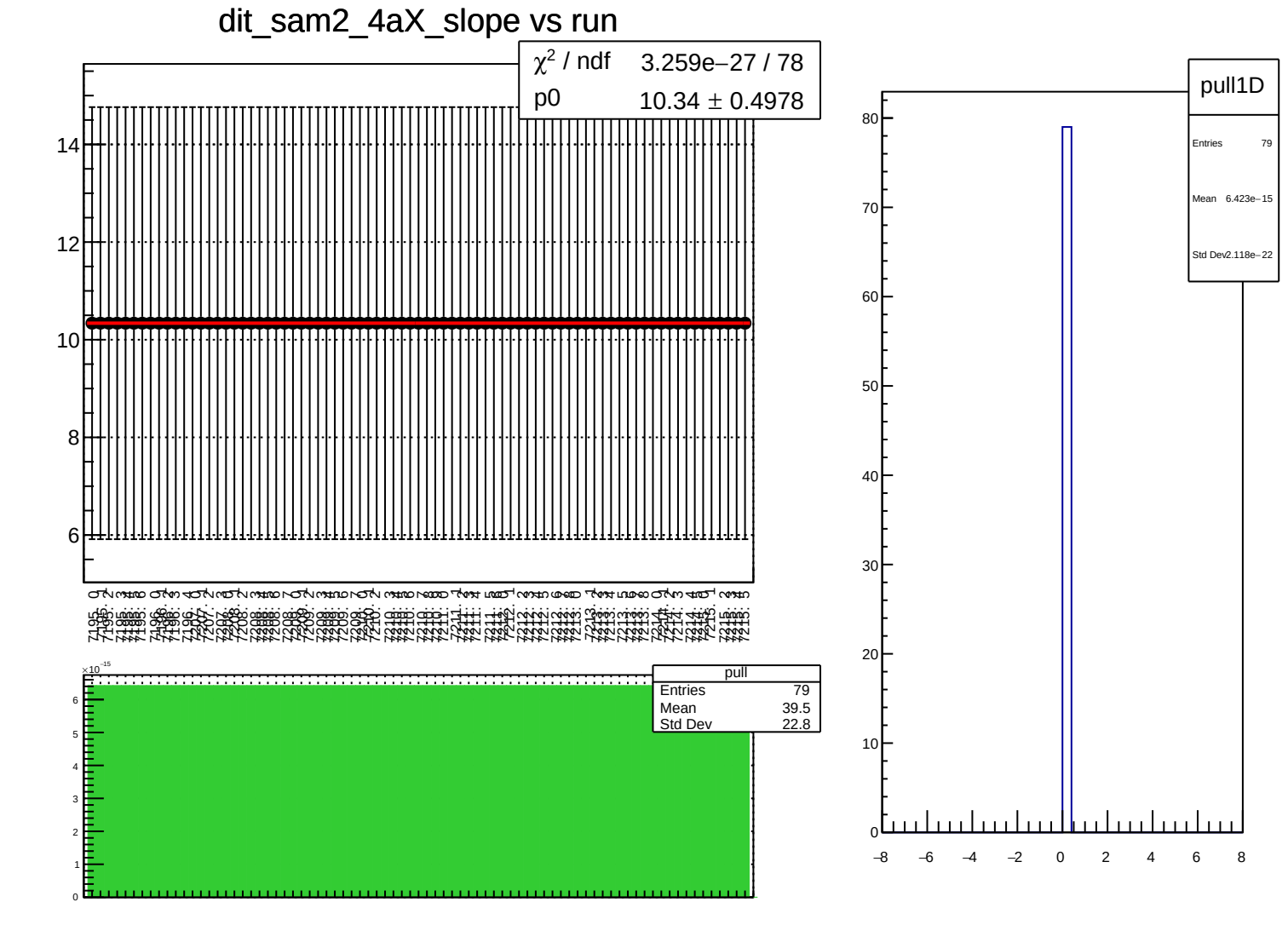

dit_sam1_11X12X_slope vs run
χ² / ndf 3.106e−27 / 78
p0 0.3005 ± 0.0009961
0.31
0.305
0.3
0.295
0.29
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹⁵

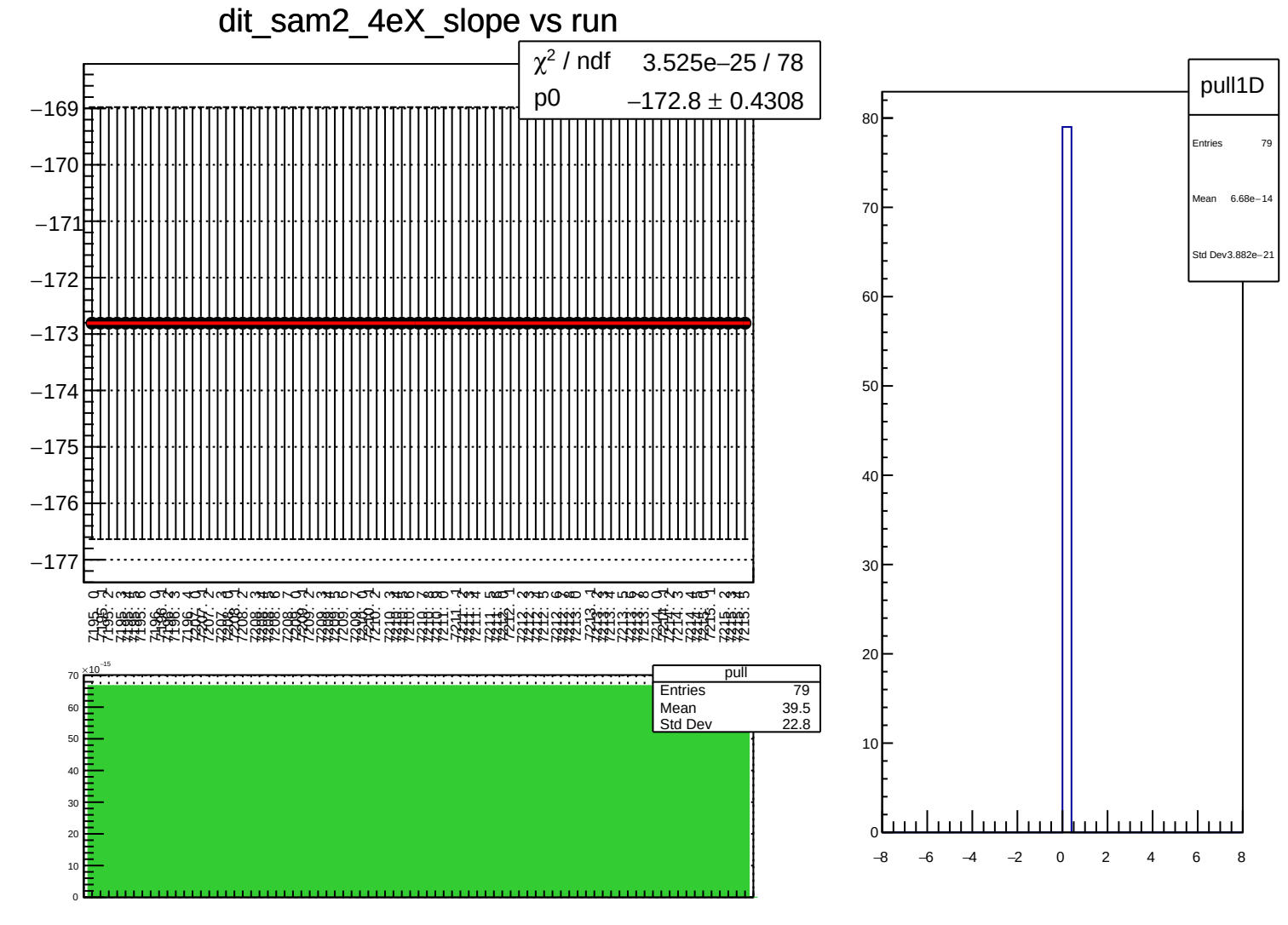

pull1D
Entries 79
Mean 6.27e−15
Std Dev7.487e−23

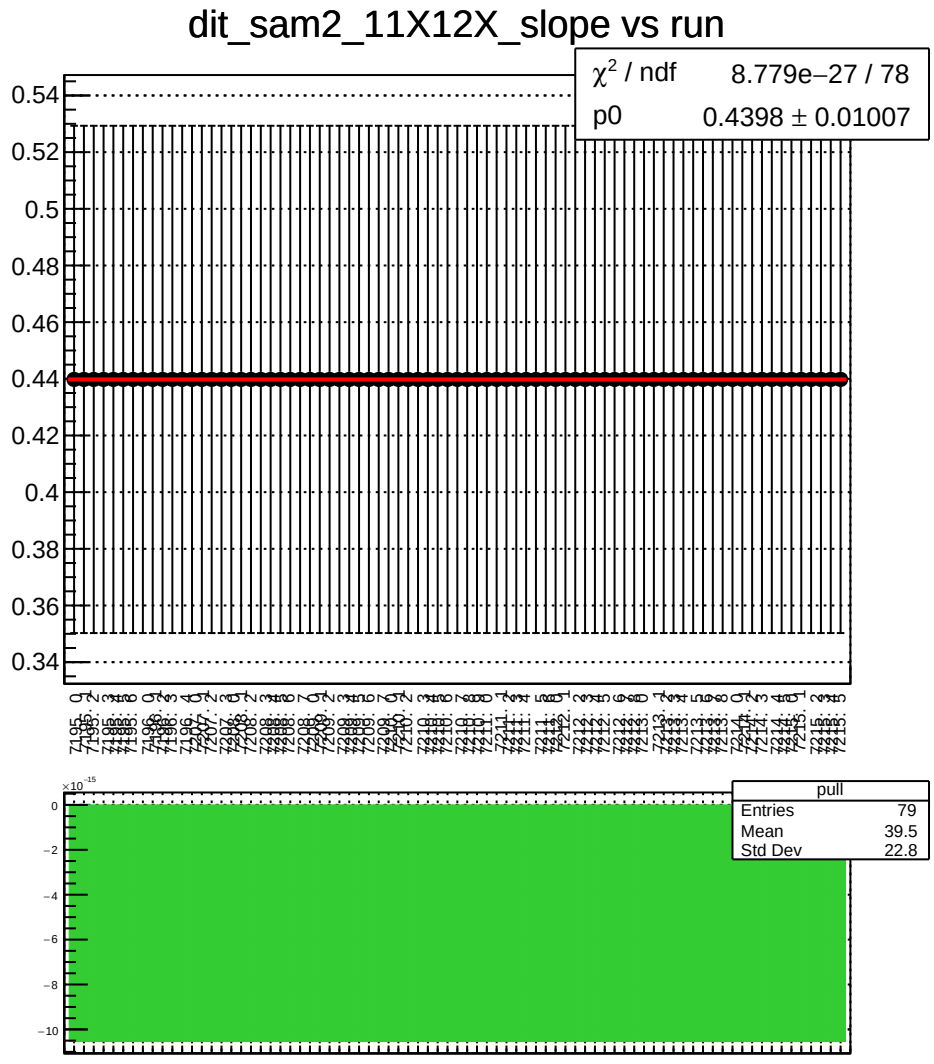

dit_sam1_4aY_slope vs run
χ² / ndf 4.833e−23 / 78
p0 −50.55 ± 0.006133
−50.5
−50.52
−50.54
−50.56
−50.58
−50.6
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
−0.8

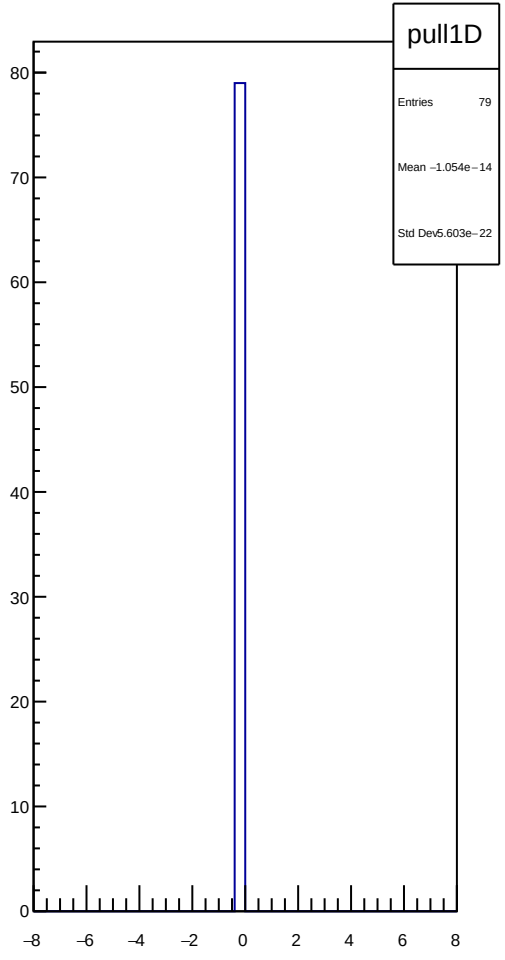

pull1D
Entries 79
Mean −7.821e−13
Std Dev 4.98e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

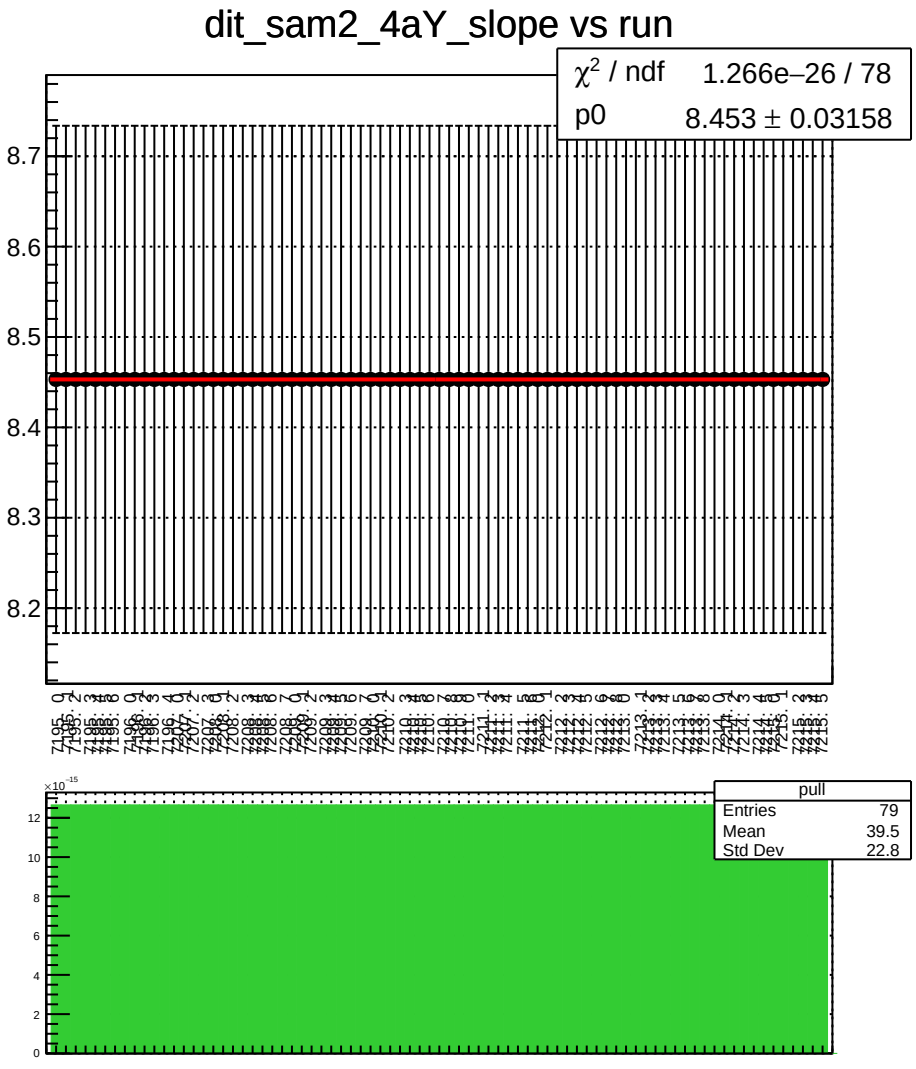

dit_sam1_4eY_slope vs run
χ² / ndf 2.835e−25 / 78
p0 4.563 ± 0.02502
4.8
4.7
4.6
4.5
4.4
4.3
×10⁻¹⁵
60
50
40
30
20
10
0
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean 5.99e−14
Std Dev3.169e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

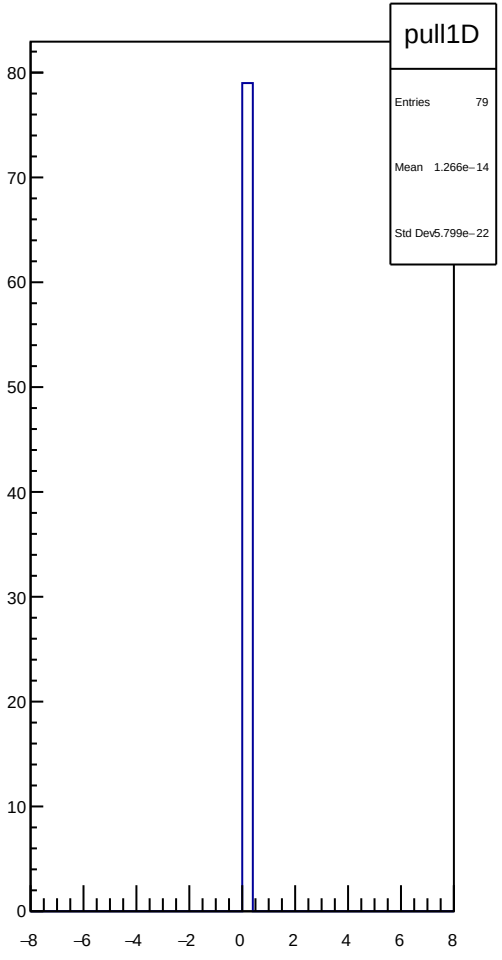

dit_sam2_4aX_slope vs run
χ² / ndf 3.259e−27 / 78
p0 10.34 ± 0.4978
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean 6.423e−15
Std Dev 2.118e−22

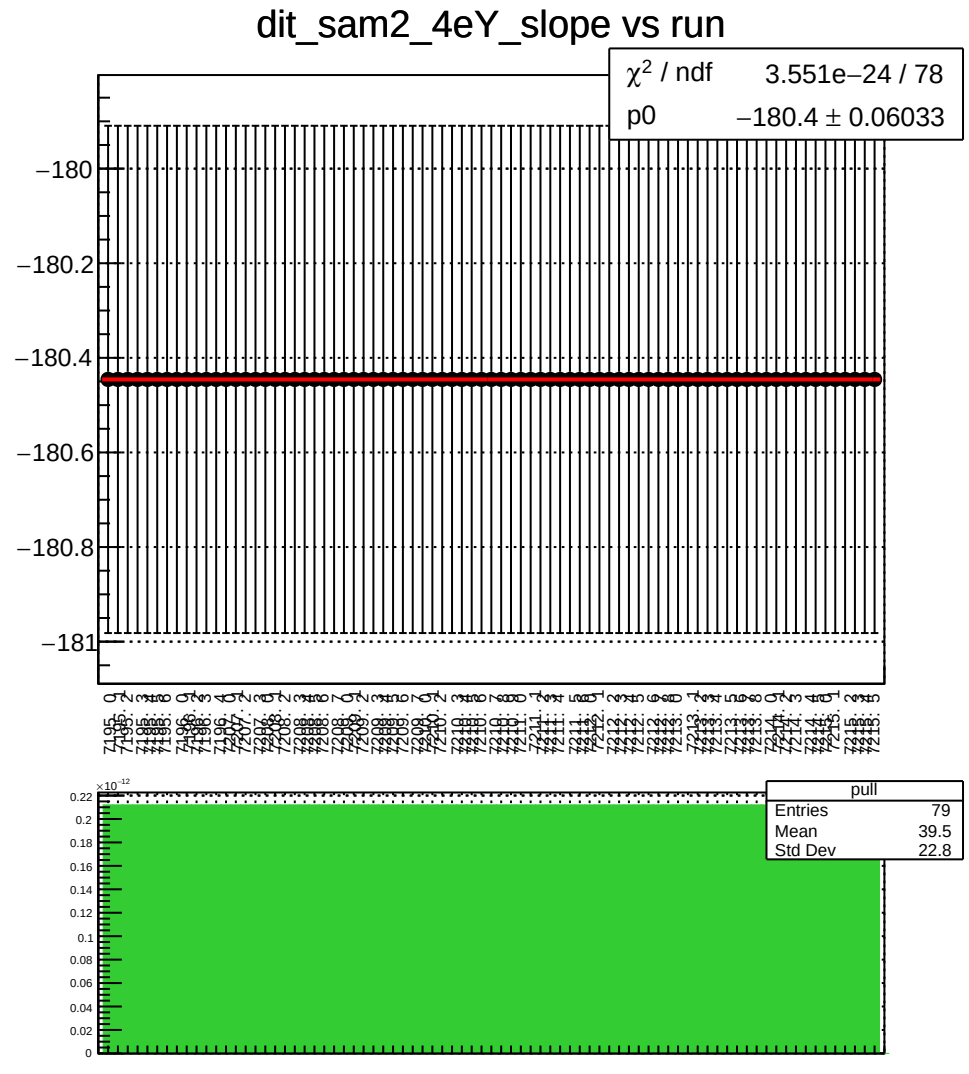

dit_sam2_4eX_slope vs run
χ² / ndf 3.525e−25 / 78
p0 −172.8 ± 0.4308
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean 6.68e−14
Std Dev 3.882e−21

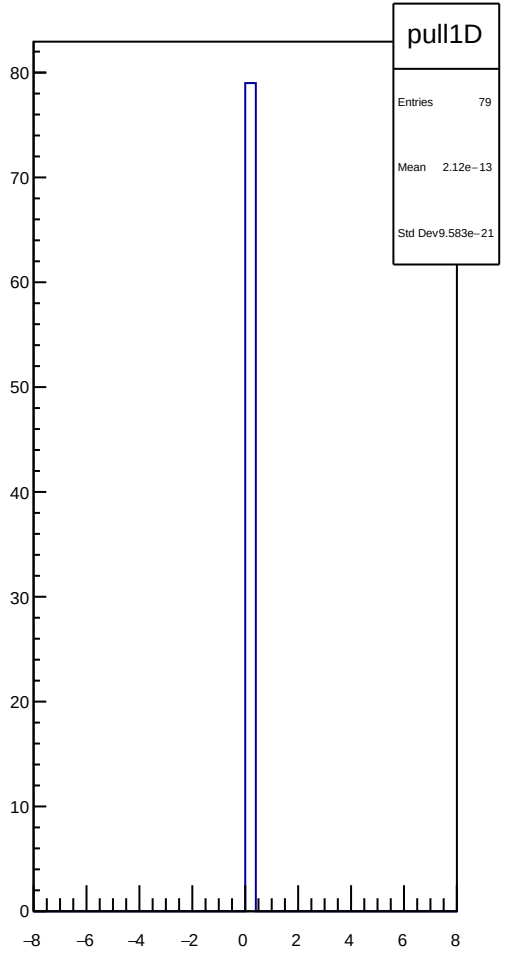

dit_sam2_11X12X_slope vs run
χ² / ndf 8.779e−27 / 78
p0 0.4398 ± 0.01007
pull
Entries 79
Mean 39.5
Std Dev 22.8

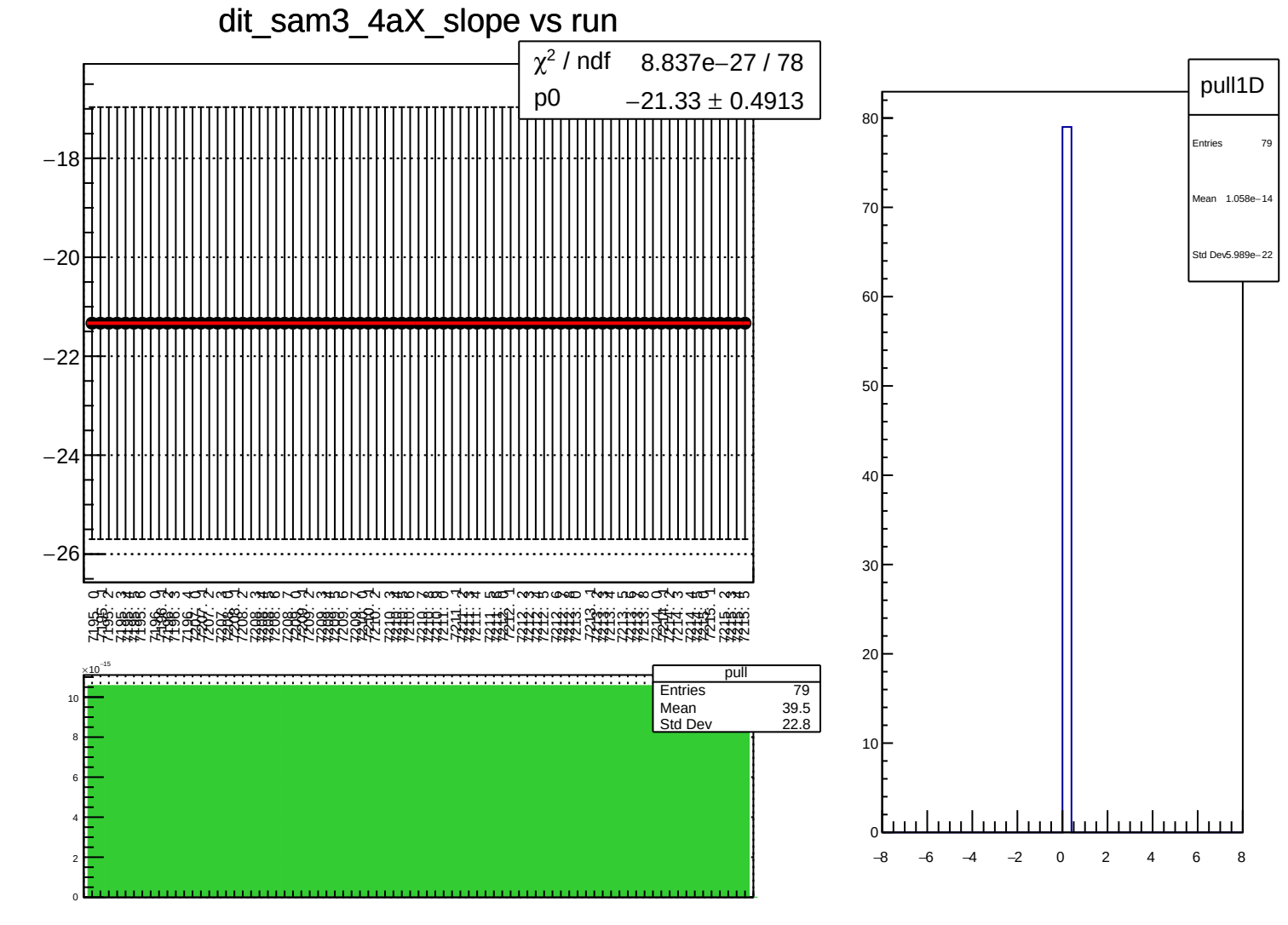

pull1D
Entries 79
Mean −1.054e−14
Std Dev5.603e−22

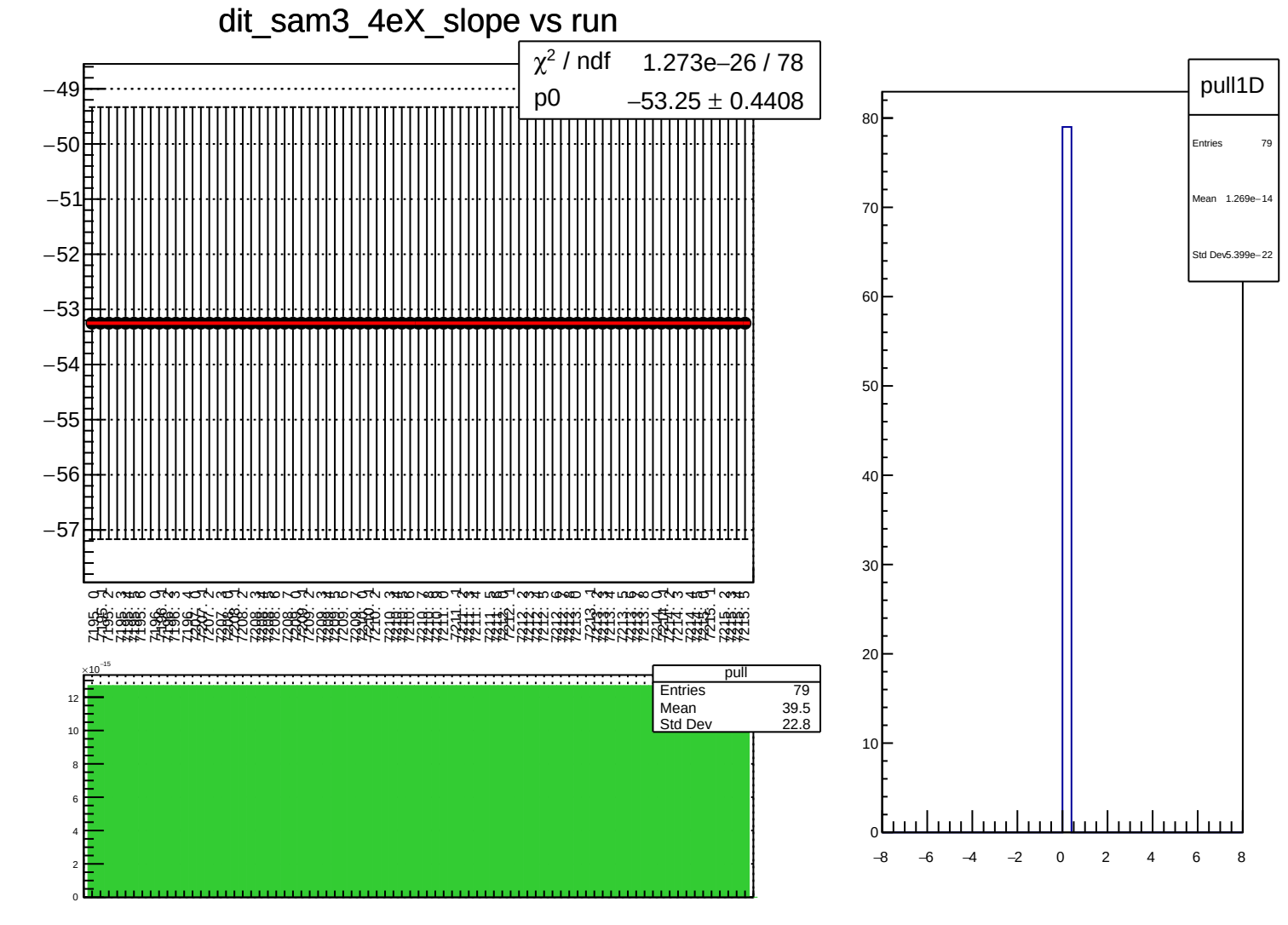

dit_sam2_4aY_slope vs run
χ² / ndf 1.266e−26 / 78
p0 8.453 ± 0.03158
8.7
8.6
8.5
8.4
8.3
8.2
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹⁵
12
10
8
6
4
2
0

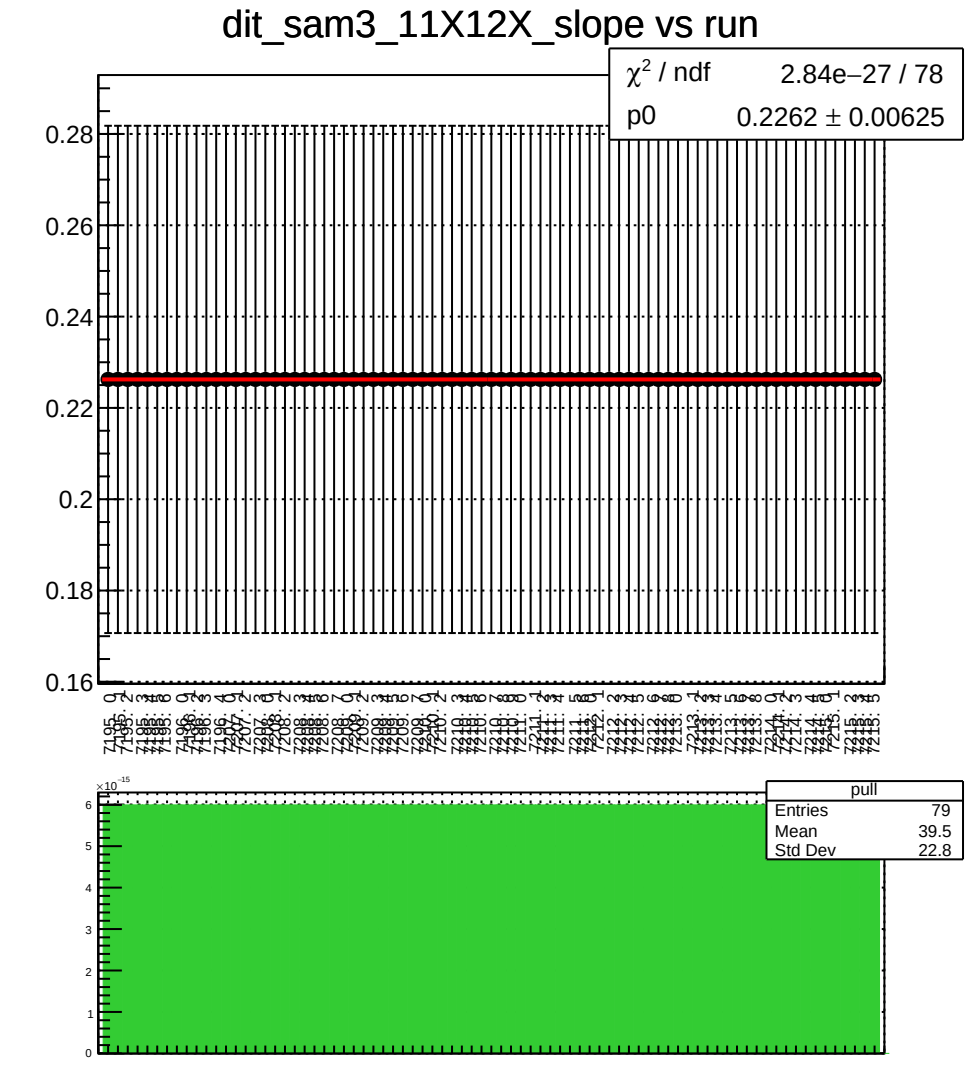

pull1D
Entries 79
Mean 1.266e−14
Std Dev 5.799e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

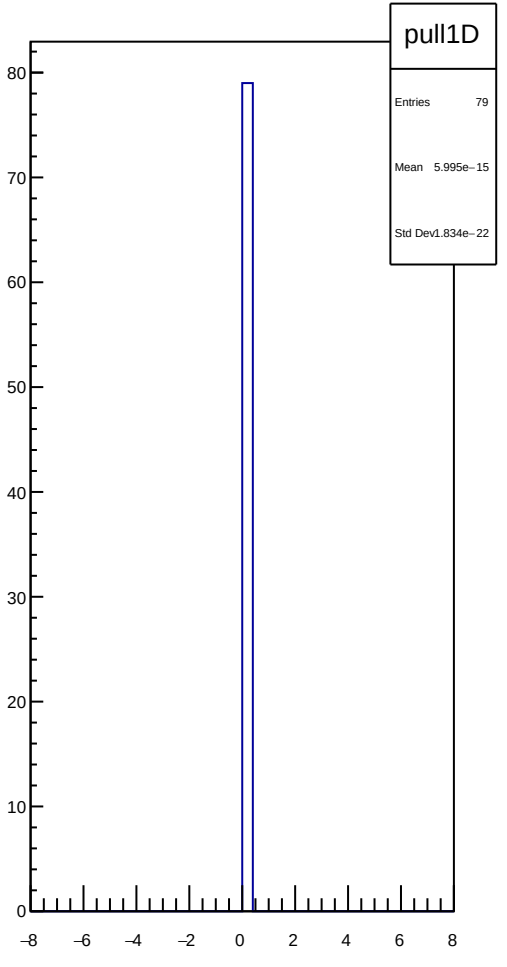

dit_sam2_4eY_slope vs run
χ² / ndf 3.551e−24 / 78
p0 −180.4 ± 0.06033
−180
−180.2
−180.4
−180.6
−180.8
−181
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹²
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

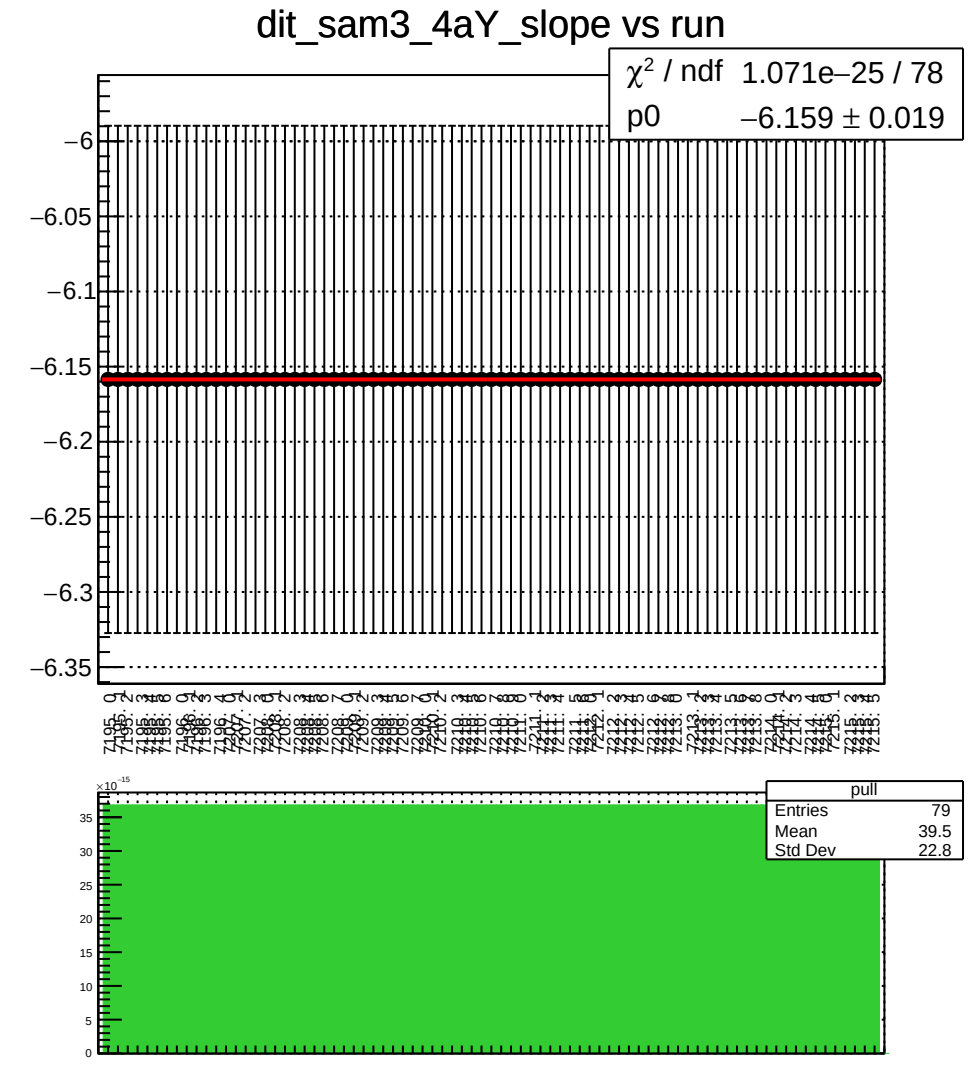

pull1D
Entries 79
Mean 2.12e−13
Std Dev 9.583e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

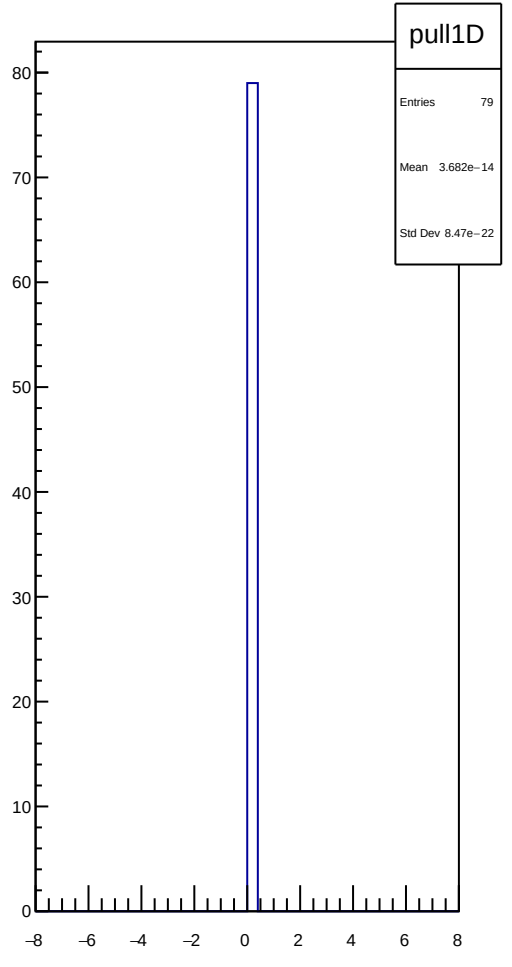

dit_sam3_4aX_slope vs run
χ² / ndf 8.837e−27 / 78
p0 −21.33 ± 0.4913
−18
−20
−22
−24
−26
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean 1.058e−14
Std Dev 5.989e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

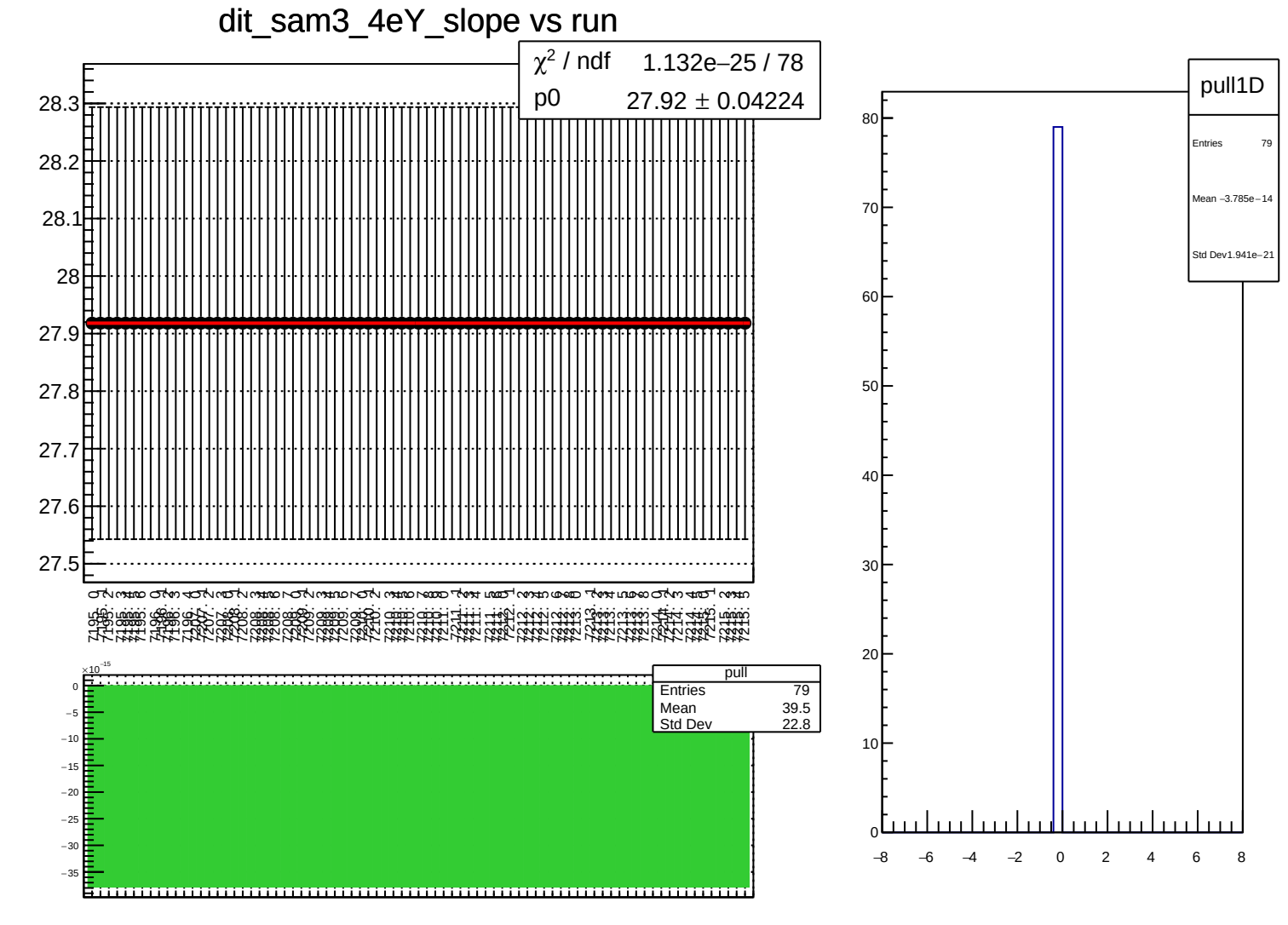

dit_sam3_4eX_slope vs run
χ² / ndf 1.273e−26 / 78
p0 −53.25 ± 0.4408
−49
−50
−51
−52
−53
−54
−55
−56
−57
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹⁵
12
10
8
6
4
2
0
pull1D
Entries 79
Mean 1.269e−14
Std Dev 5.399e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

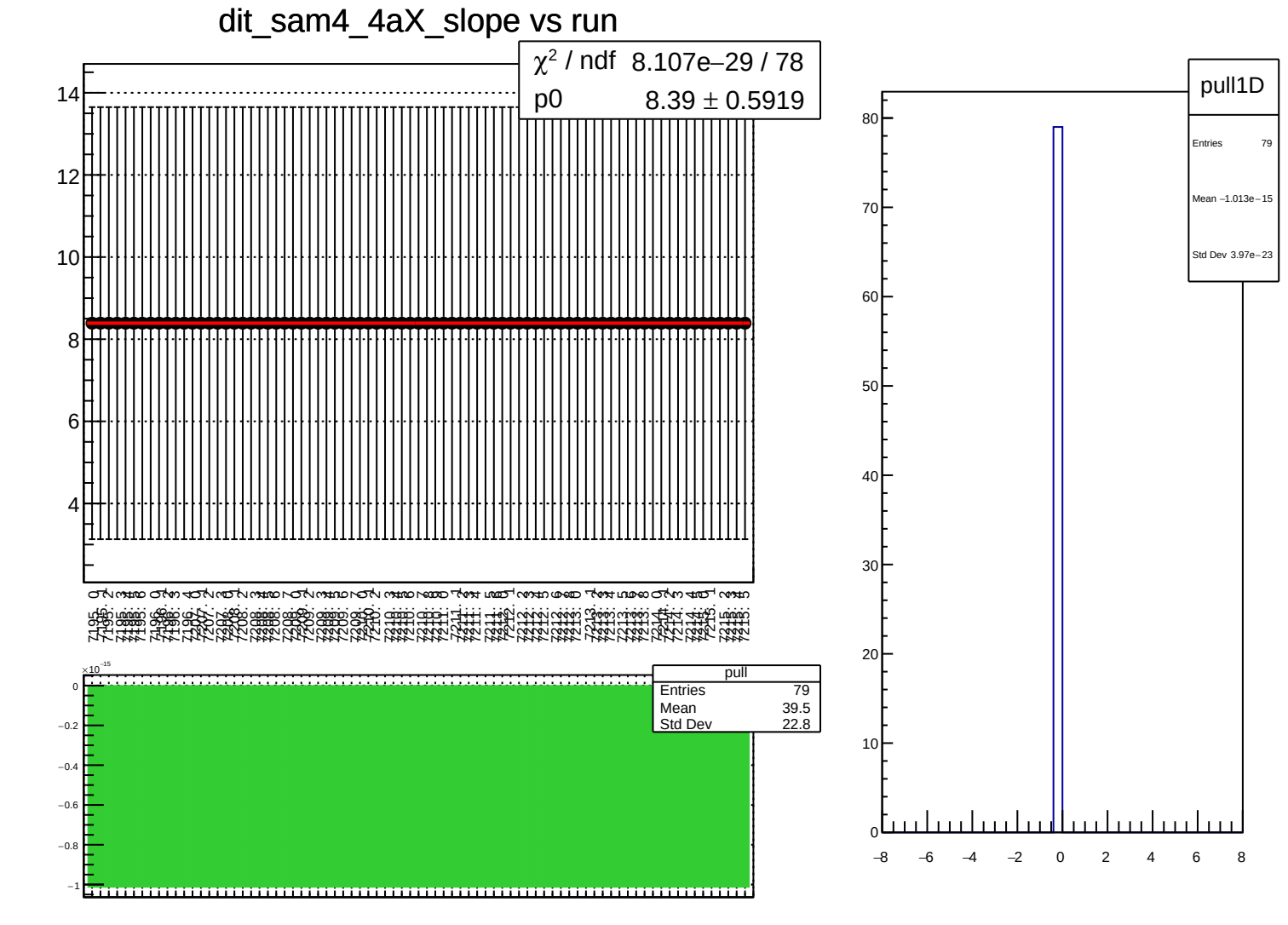

dit_sam3_11X12X_slope vs run
χ² / ndf 2.84e−27 / 78
p0 0.2262 ± 0.00625
0.28
0.26
0.24
0.22
0.2
0.18
0.16
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹⁵
6
5
4
3
2
1
0

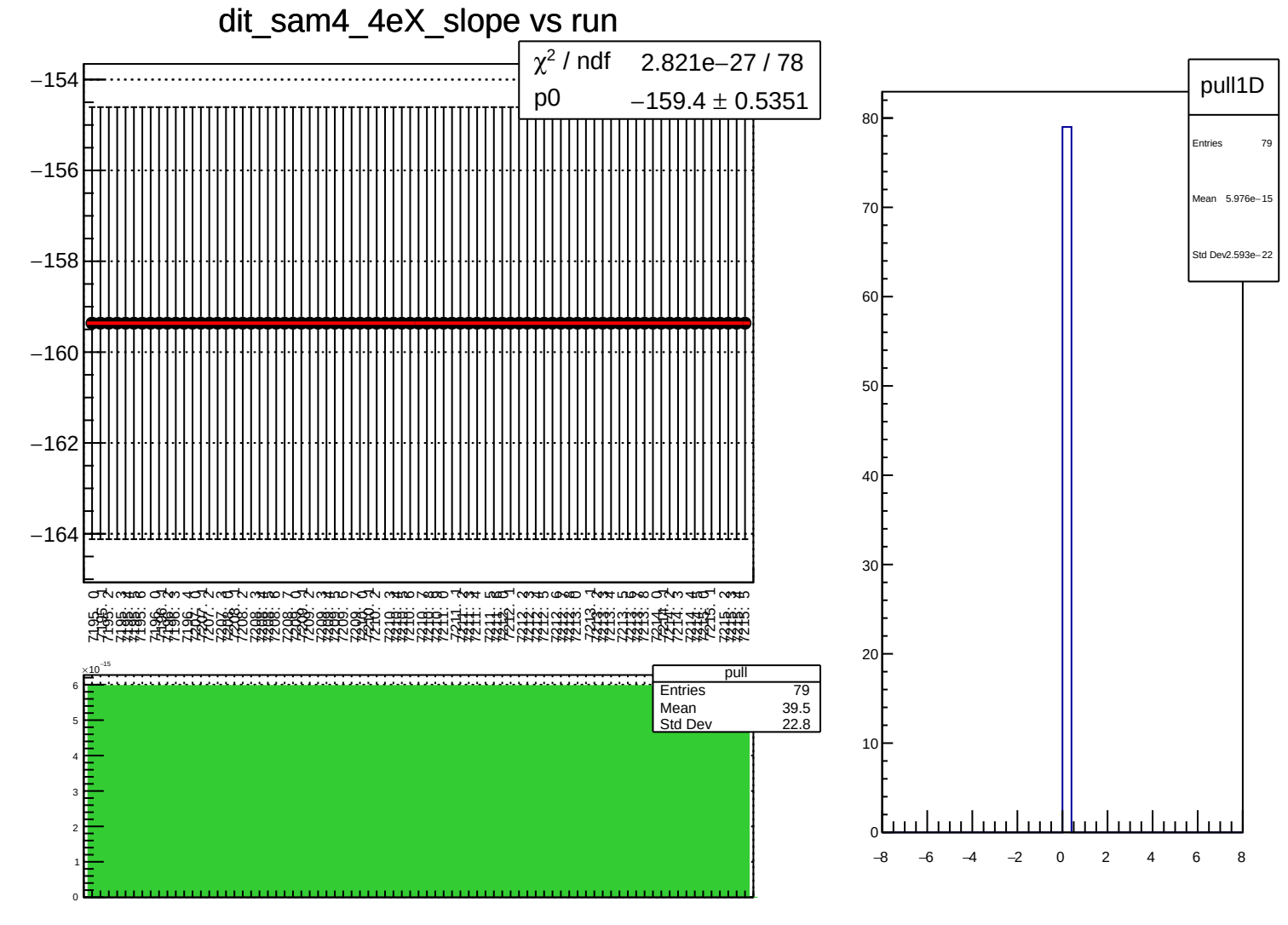

pull1D
Entries 79
Mean 5.995e−15
Std Dev1.834e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

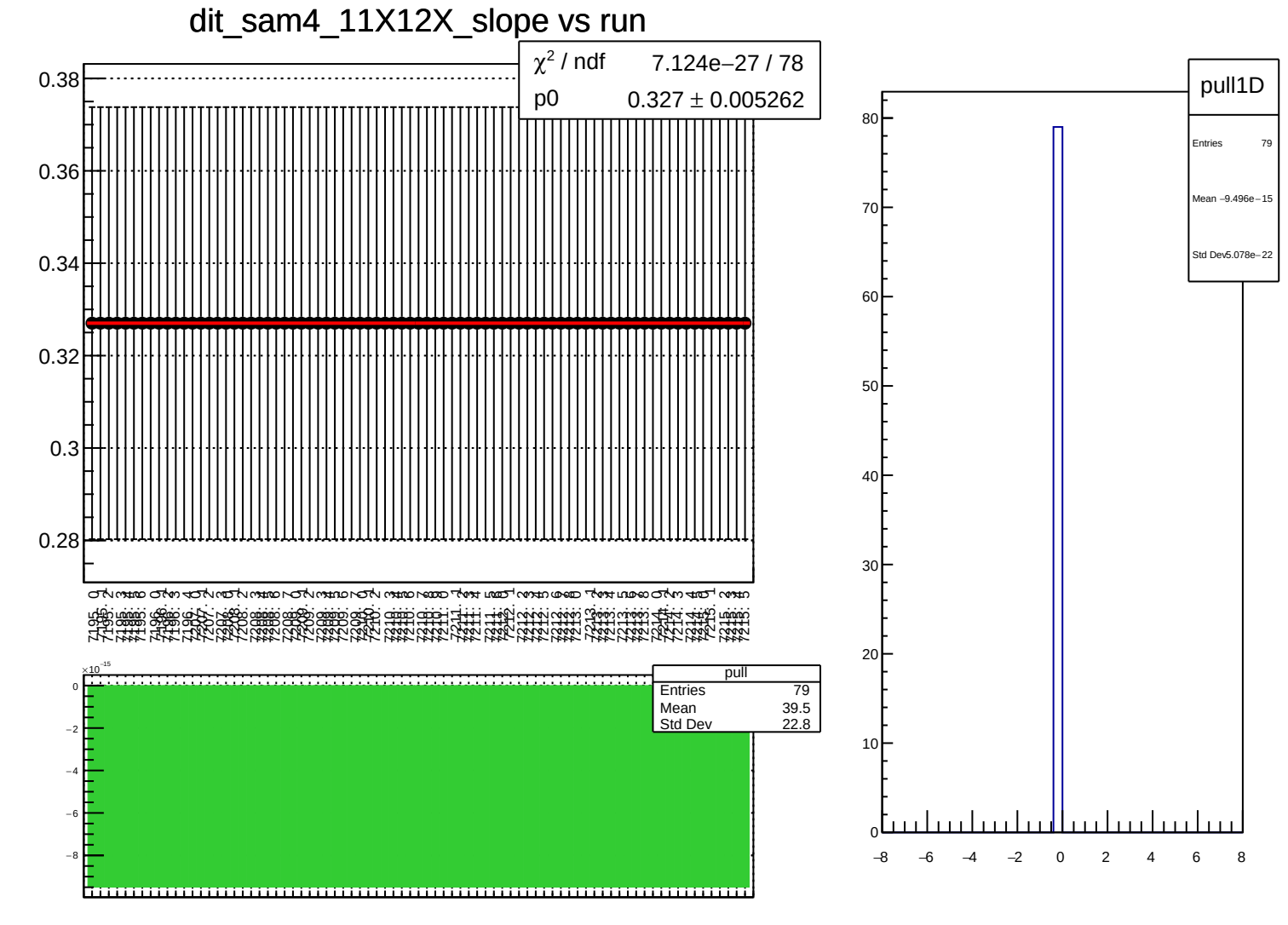

dit_sam3_4aY_slope vs run
χ² / ndf 1.071e−25 / 78
p0 −6.159 ± 0.019
−6
−6.05
−6.1
−6.15
−6.2
−6.25
−6.3
−6.35
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹⁵
35
30
25
20
15
10
5
0

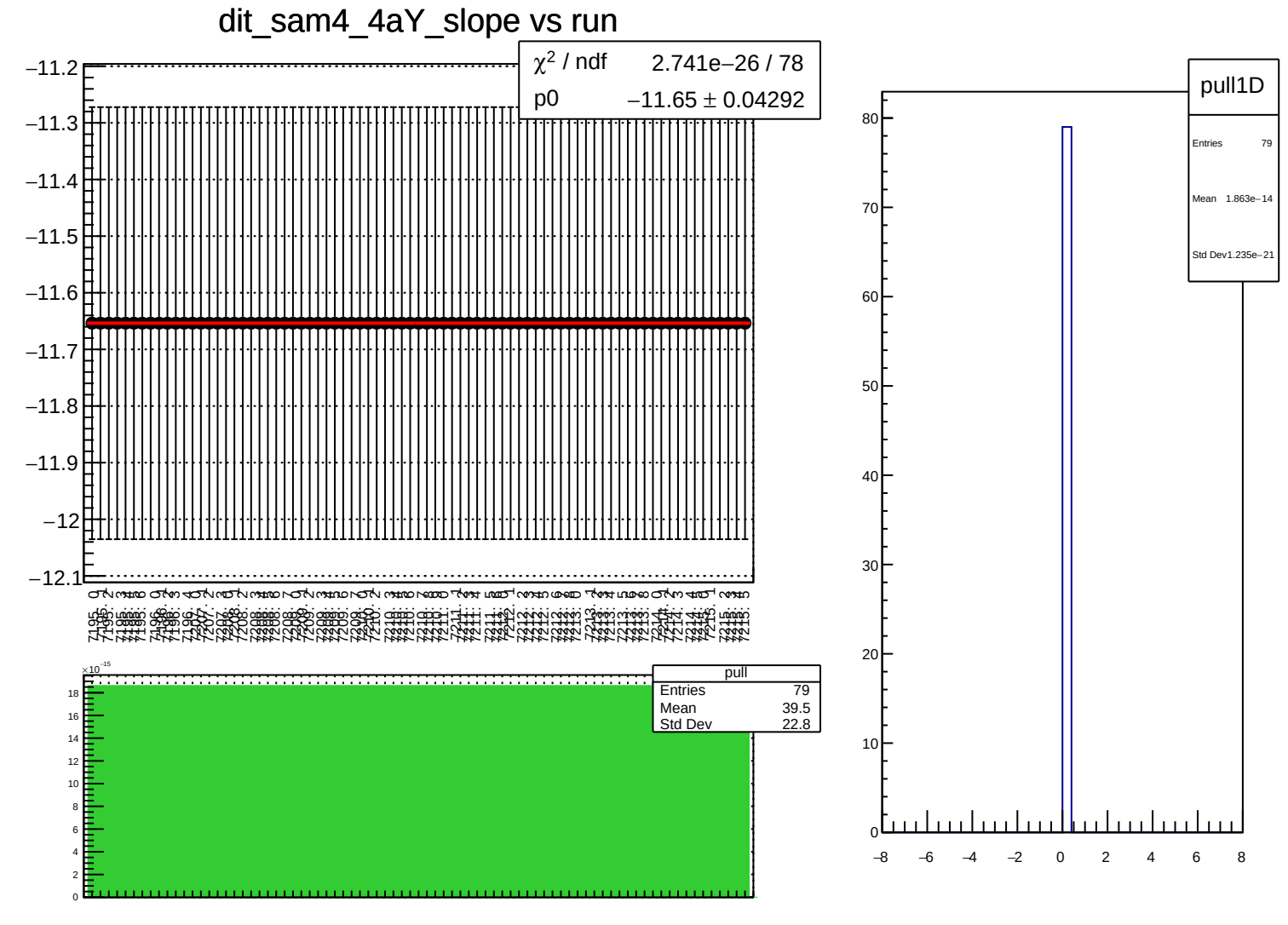

pull1D
Entries 79
Mean 3.682e−14
Std Dev 8.47e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

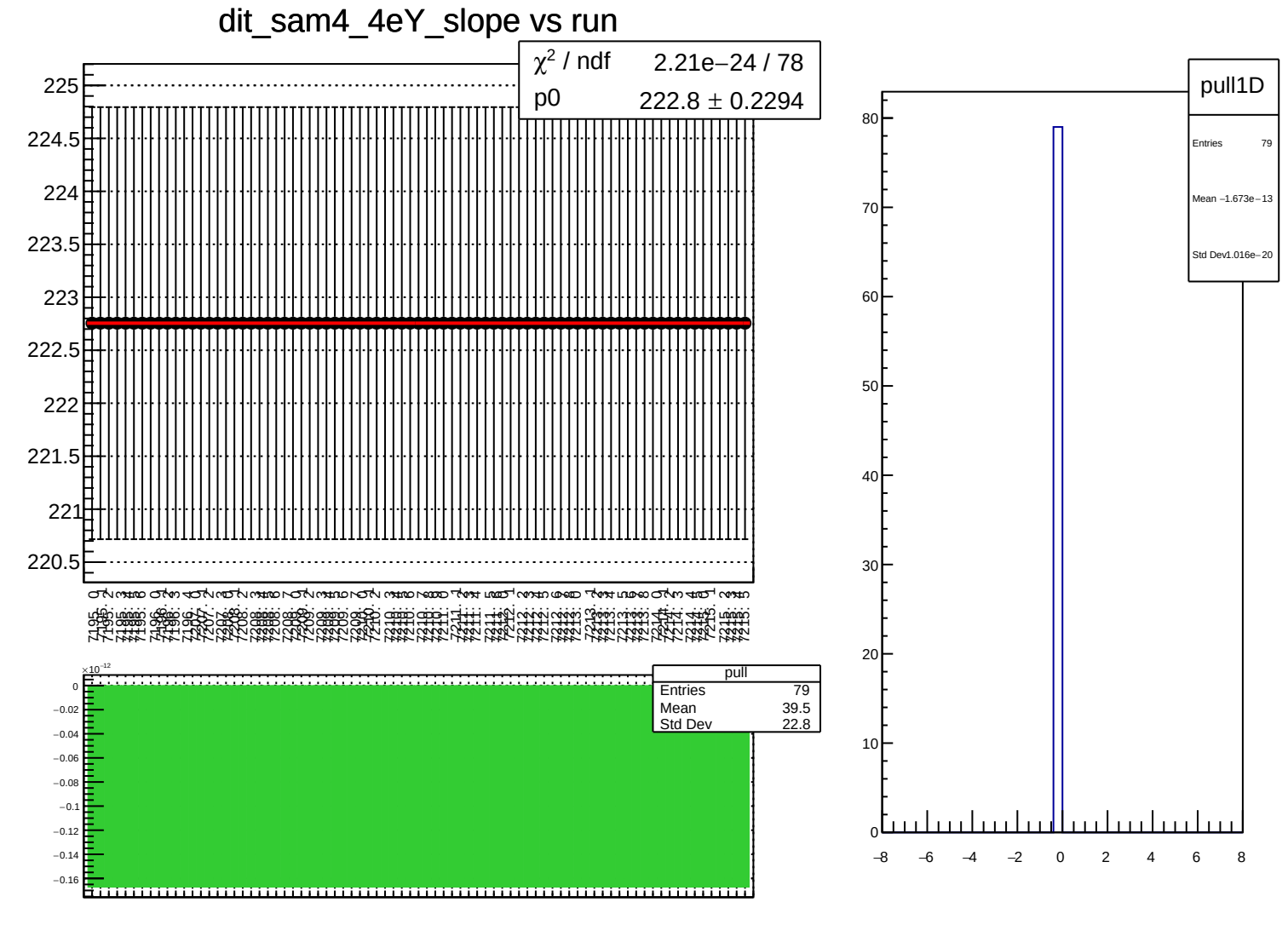

dit_sam3_4eY_slope vs run
χ² / ndf 1.132e−25 / 78
p0 27.92 ± 0.04224
28.3
28.2
28.1
28
27.9
27.8
27.7
27.6
27.5
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
pull1D
Entries 79
Mean −3.785e−14
Std Dev1.941e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

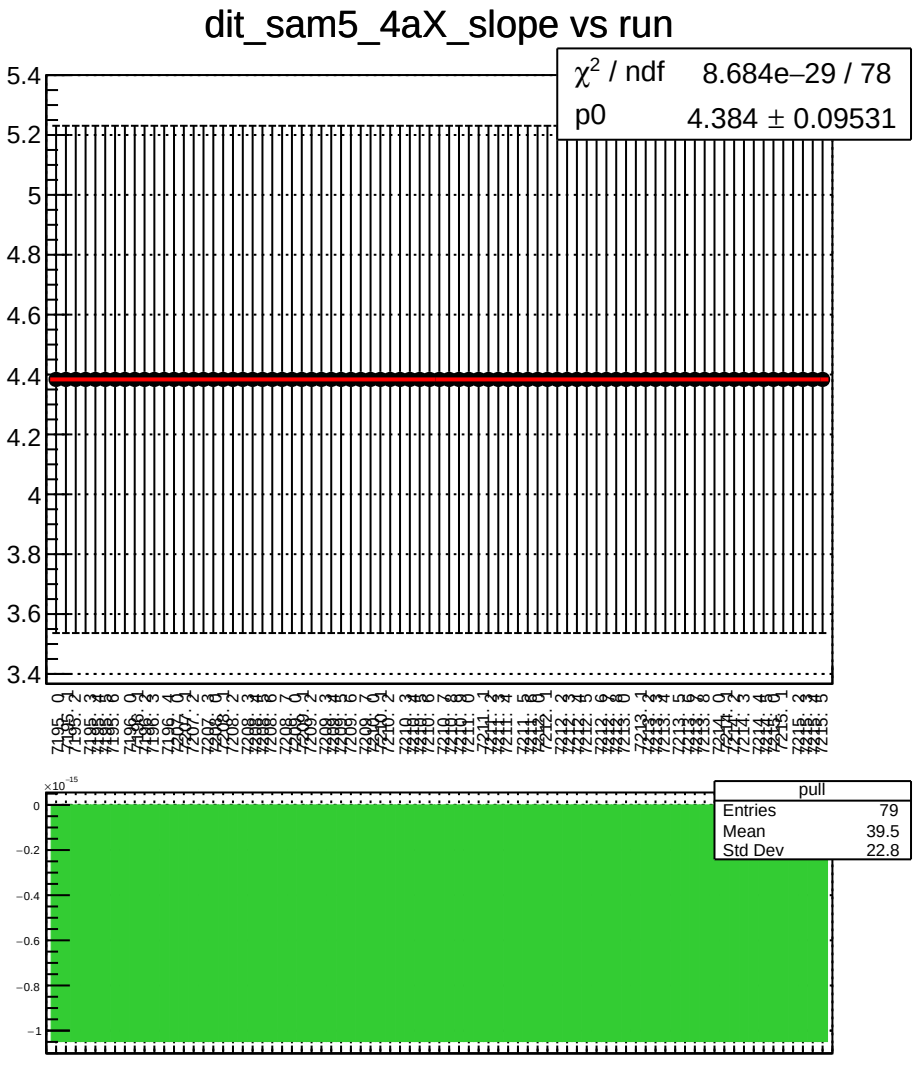

dit_sam4_4aX_slope vs run
χ² / ndf 8.107e−29 / 78
p0 8.39 ± 0.5919
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean −1.013e−15
Std Dev 3.97e−23

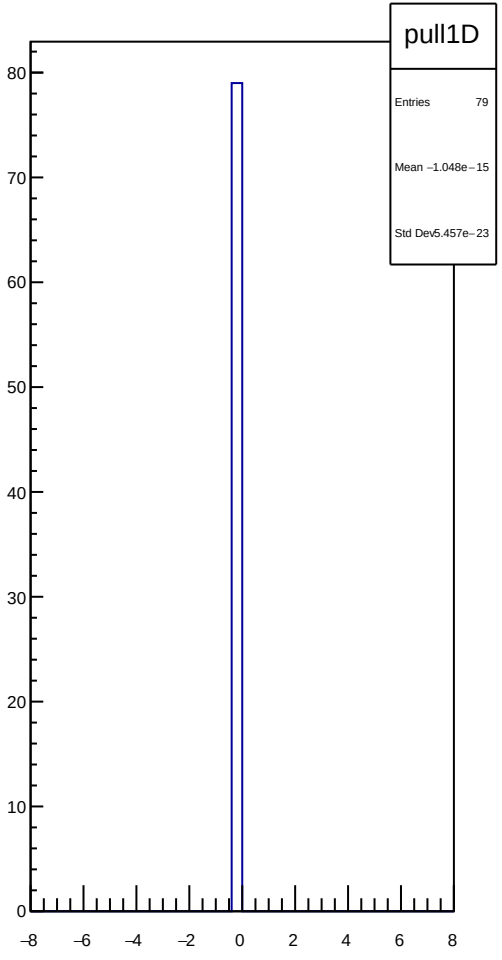

dit_sam4_4eX_slope vs run
χ² / ndf 2.821e−27 / 78
p0 −159.4 ± 0.5351
−154
−156
−158
−160
−162
−164
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹⁵
pull1D
Entries 79
Mean 5.976e−15
Std Dev 2.593e−22

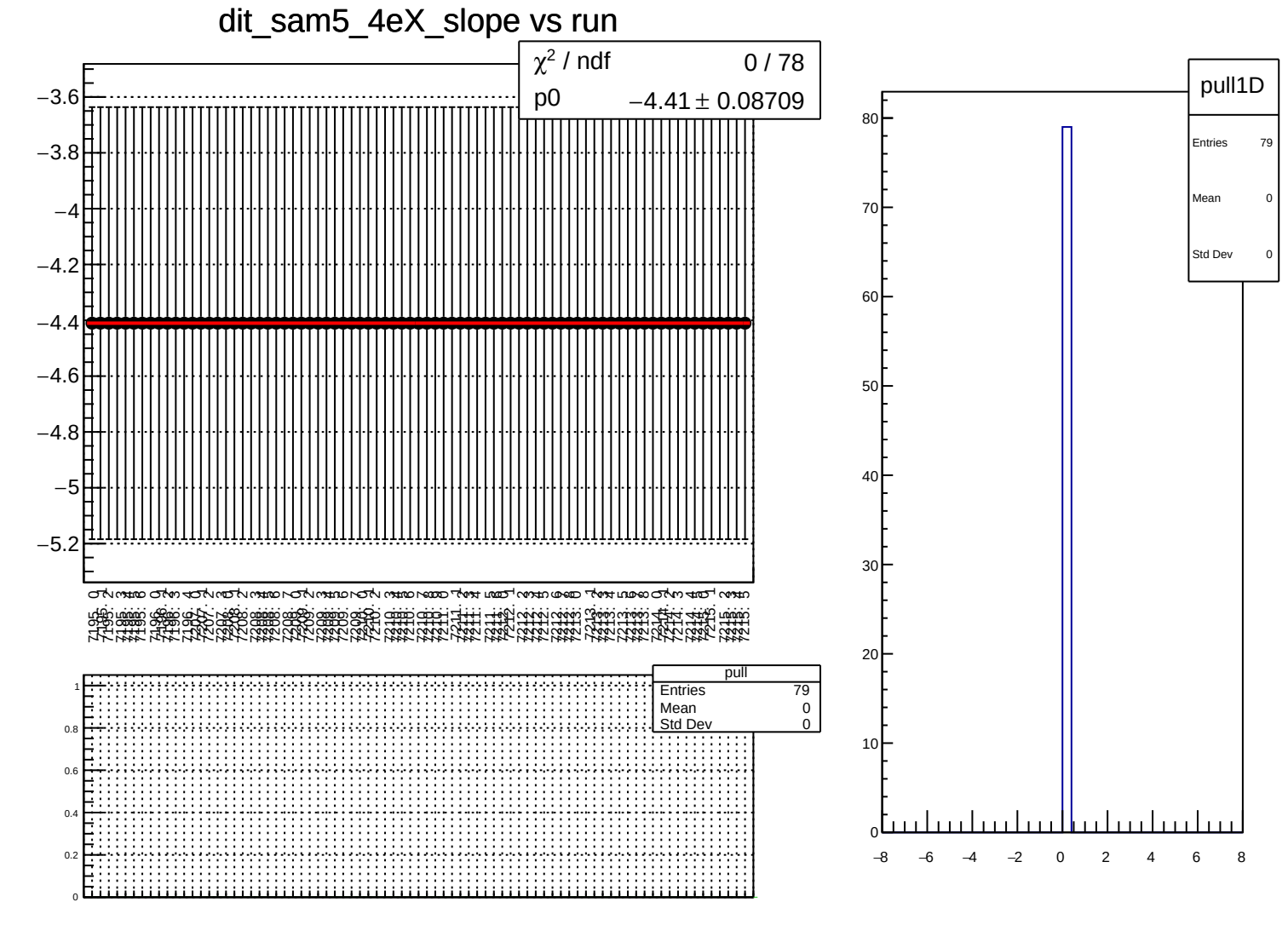

dit_sam4_11X12X_slope vs run
χ² / ndf 7.124e−27 / 78
p0 0.327 ± 0.005262
0.38
0.36
0.34
0.32
0.3
0.28
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹⁵
0
−2
−4
−6
−8
pull1D
Entries 79
Mean −9.496e−15
Std Dev 5.078e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

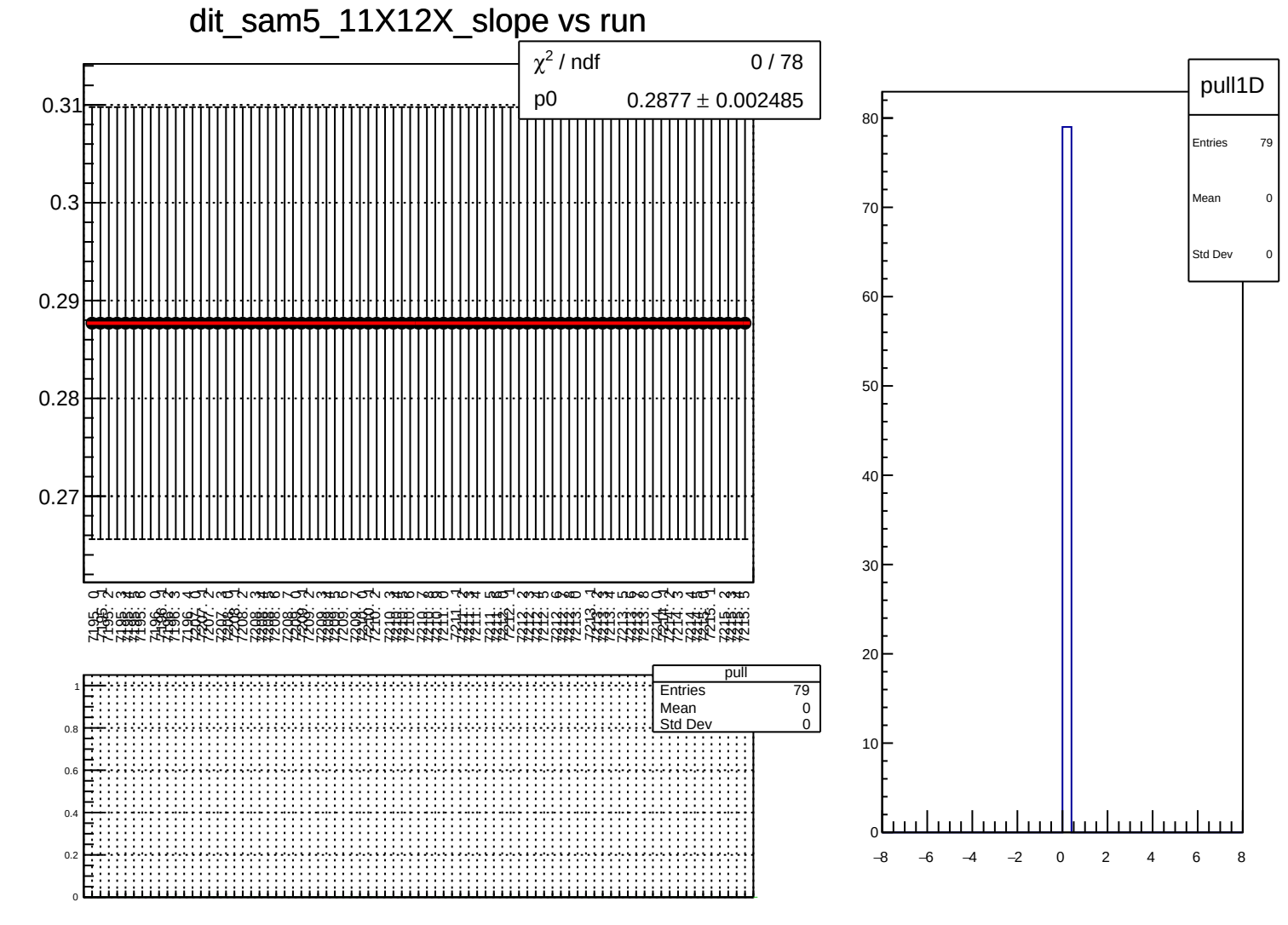

dit_sam4_4aY_slope vs run
χ² / ndf 2.741e−26 / 78
p0 −11.65 ± 0.04292
−11.2
−11.3
−11.4
−11.5
−11.6
−11.7
−11.8
−11.9
−12
−12.1
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹⁵
pull1D
Entries 79
Mean 1.863e−14
Std Dev1.235e−21

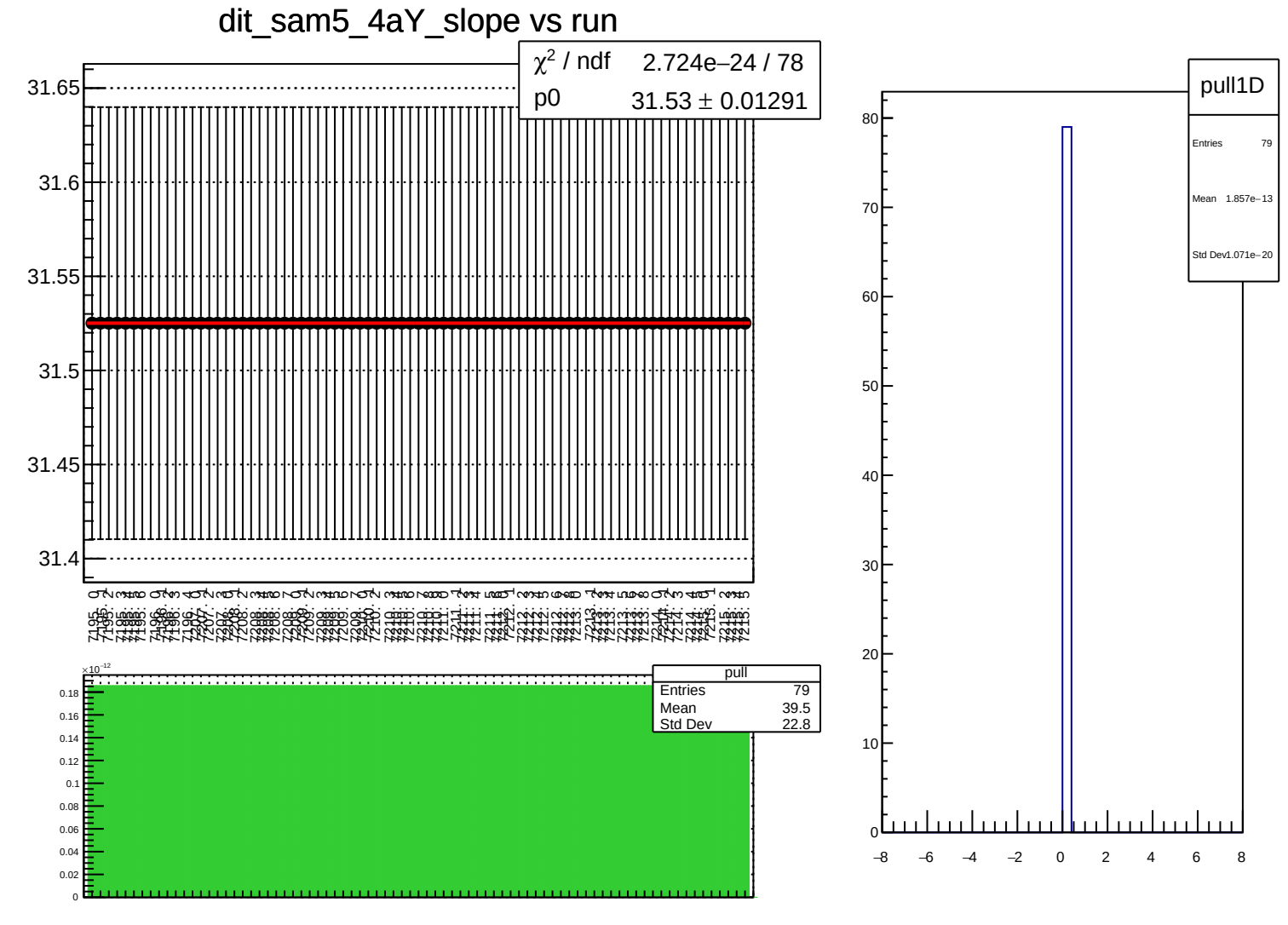

dit_sam4_4eY_slope vs run
χ² / ndf 2.21e−24 / 78
p0 222.8 ± 0.2294
225
224.5
224
223.5
223
222.5
222
221.5
221
220.5
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
pull1D
Entries 79
Mean −1.673e−13
Std Dev1.016e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

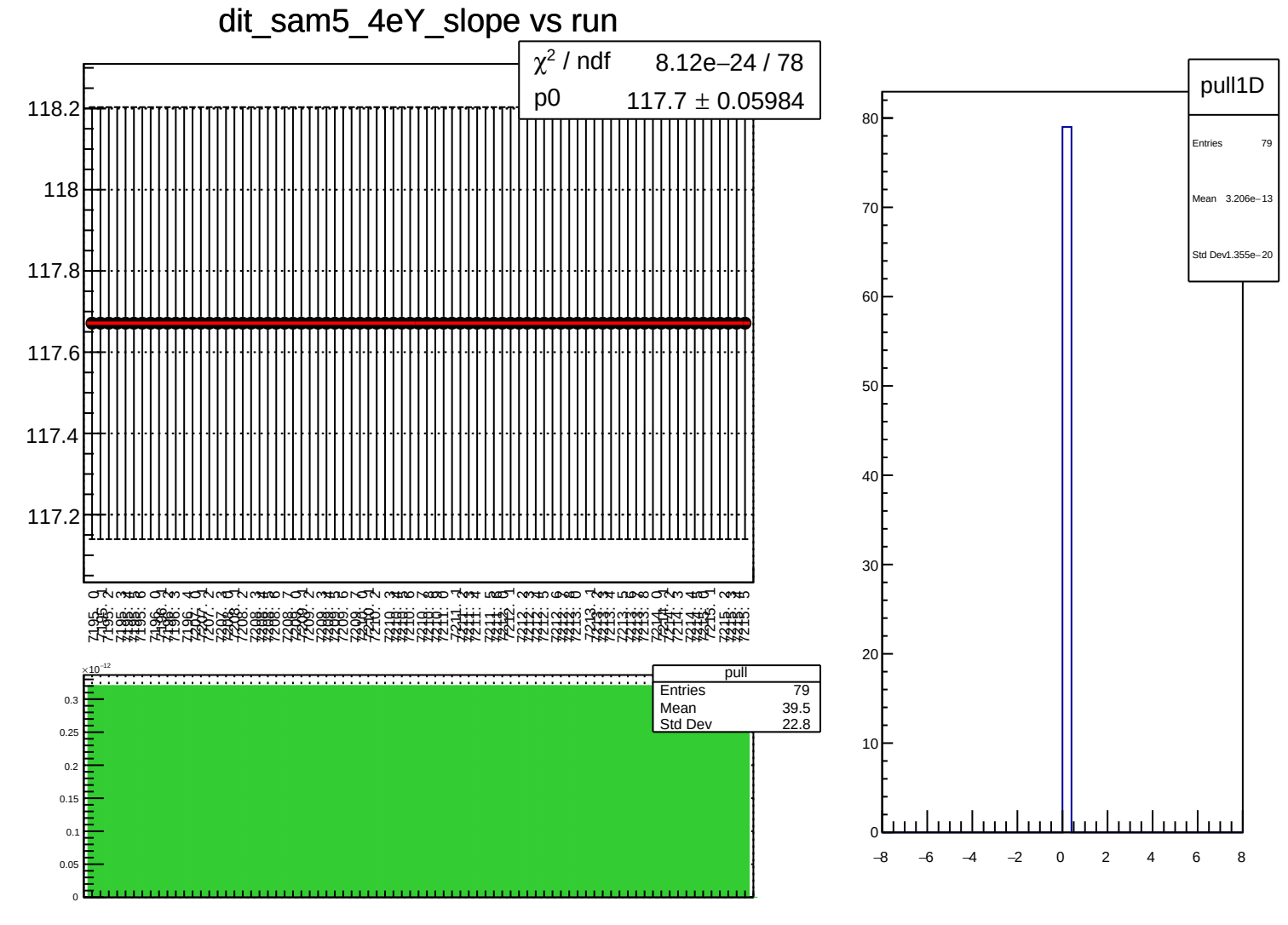

dit_sam5_4aX_slope vs run
χ² / ndf 8.684e−29 / 78
p0 4.384 ± 0.09531
pull
Entries 79
Mean 39.5
Std Dev 22.8

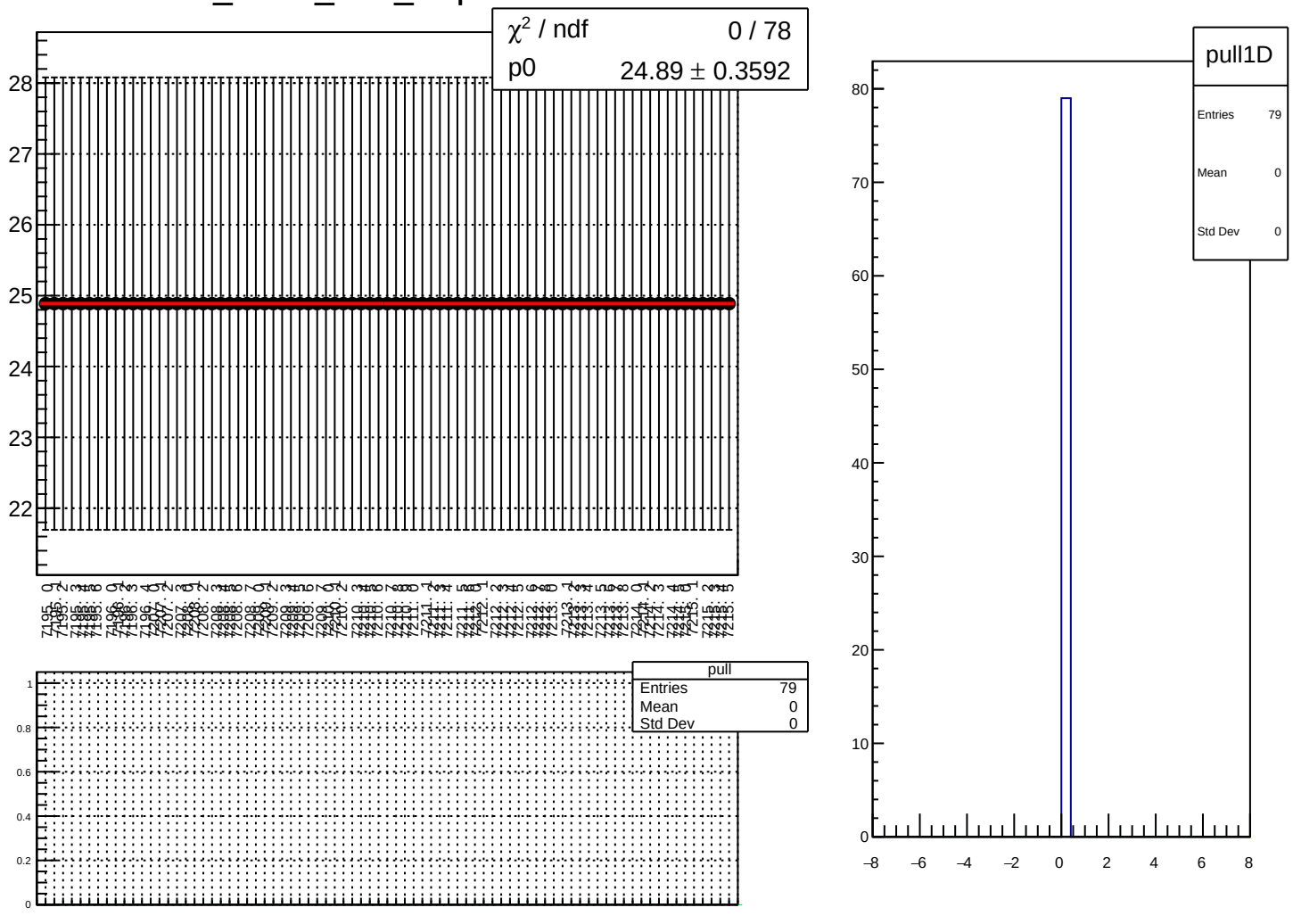

pull1D
Entries 79
Mean −1.048e−15
Std Dev 5.457e−23

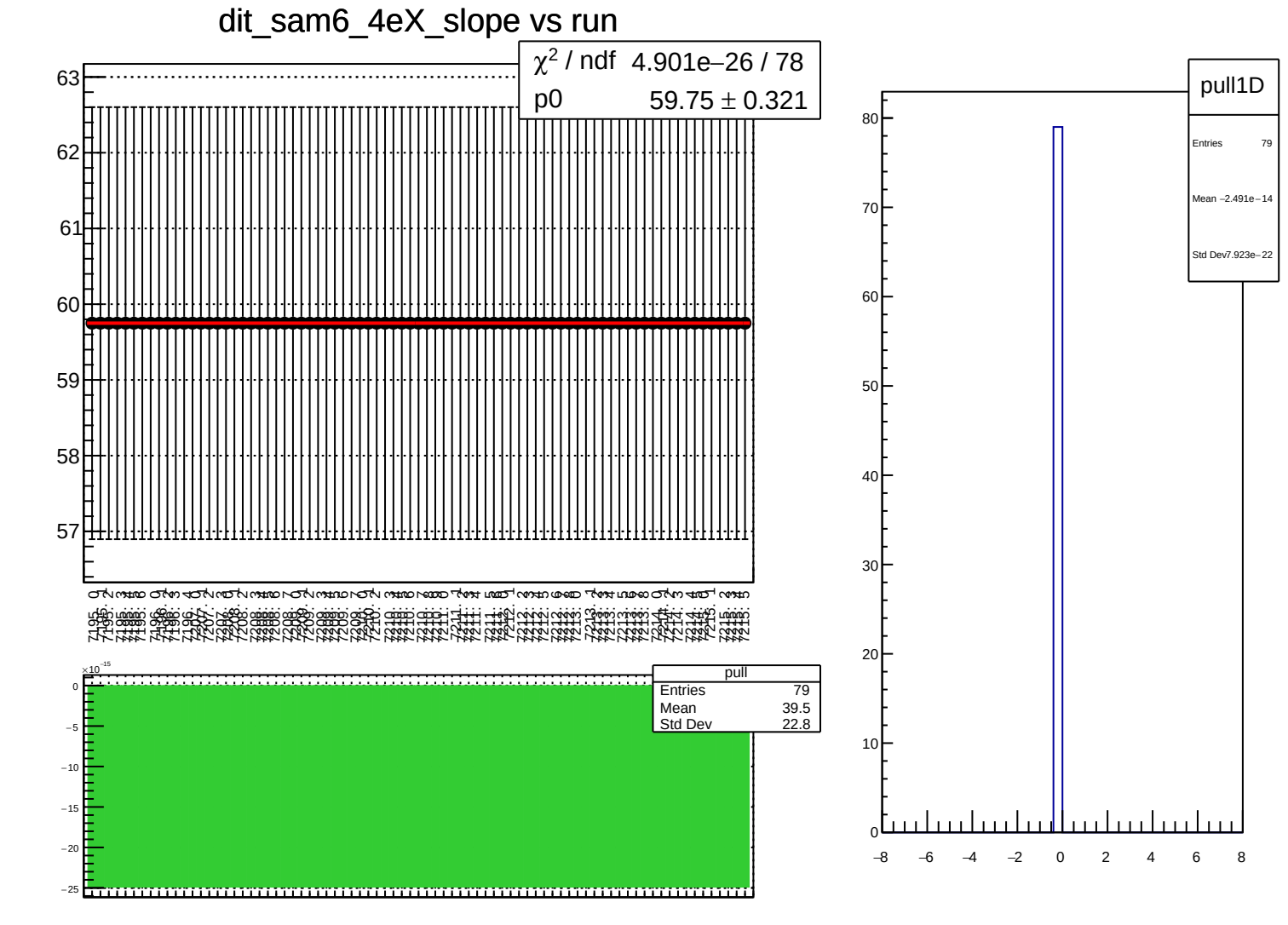

dit_sam5_4eX_slope vs run
χ² / ndf 0 / 78
p0 −4.41 ± 0.08709
pull
Entries 79
Mean 0
Std Dev 0
pull1D
Entries 79
Mean 0
Std Dev 0

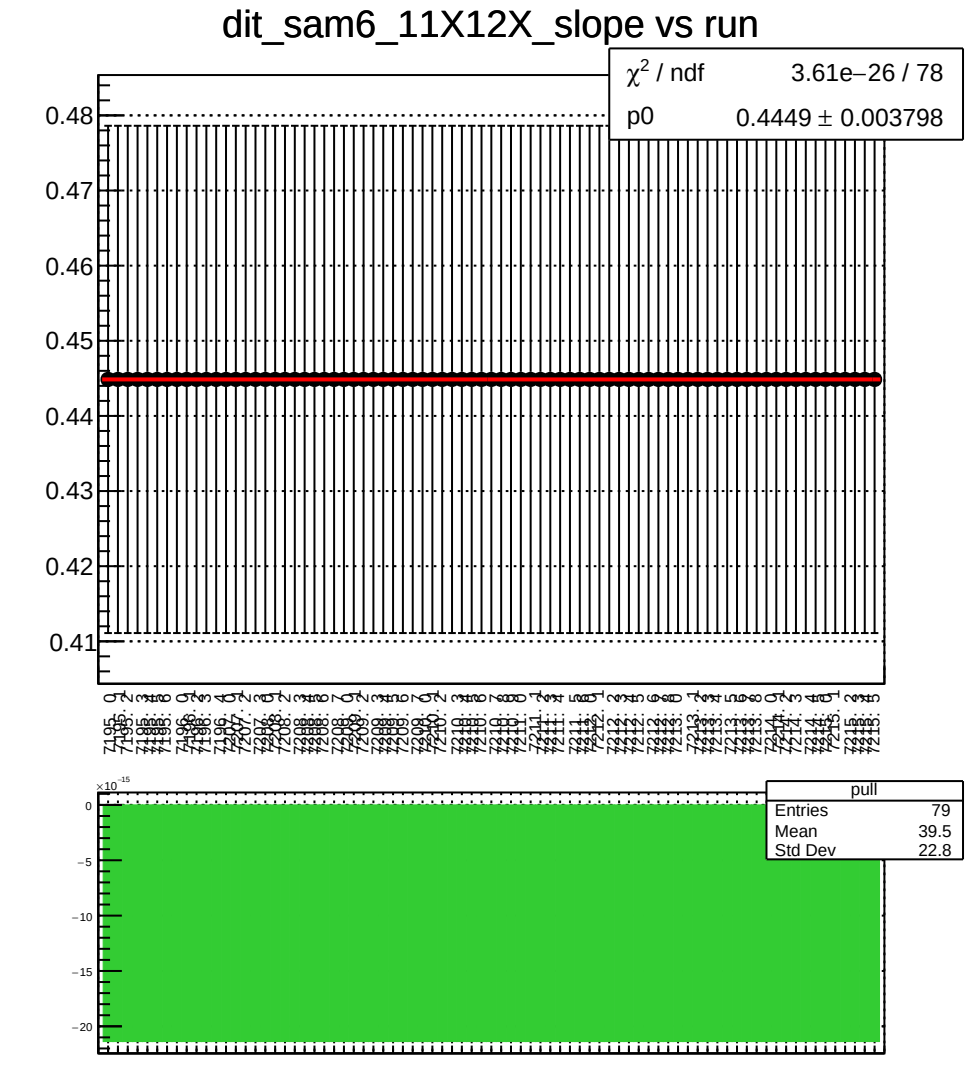

dit_sam5_11X12X_slope vs run
χ² / ndf 0 / 78
p0 0.2877 ± 0.002485
0.31
0.3
0.29
0.28
0.27
pull
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 79
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
–8
–6
–4
–2
0
2
4
6
8

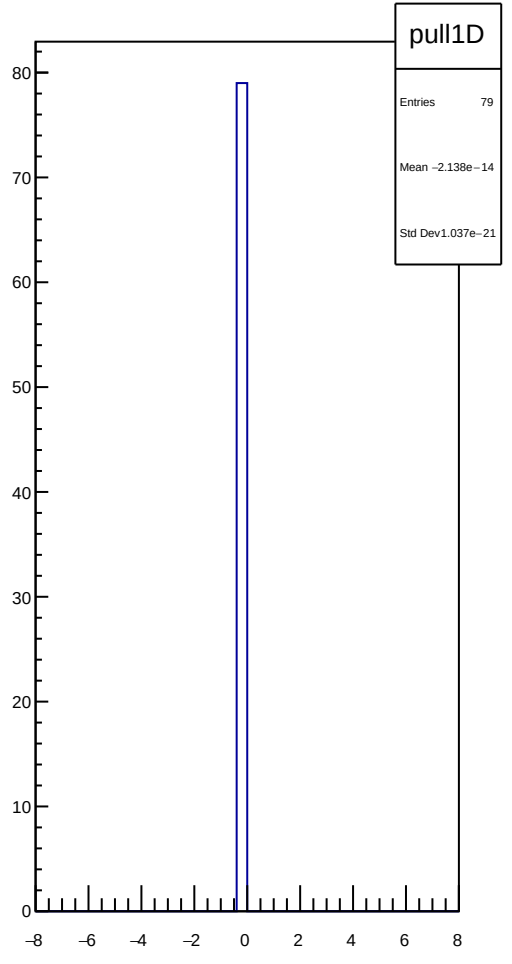

dit_sam5_4aY_slope vs run
χ² / ndf 2.724e−24 / 78
p0 31.53 ± 0.01291
31.65
31.6
31.55
31.5
31.45
31.4
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean 1.857e−13
Std Dev1.071e−20

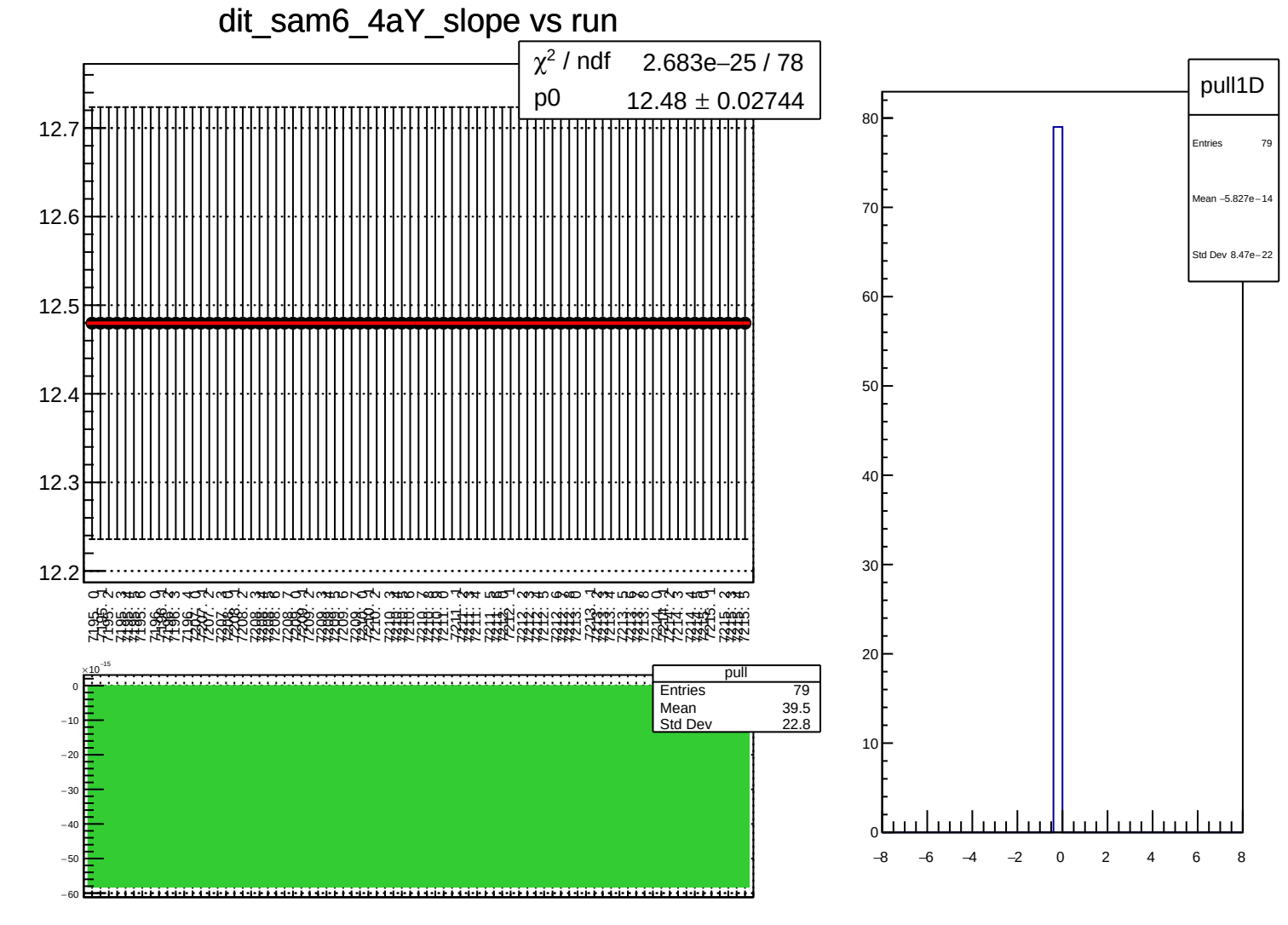

dit_sam5_4eY_slope vs run
χ² / ndf 8.12e−24 / 78
p0 117.7 ± 0.05984
118.2
118
117.8
117.6
117.4
117.2
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹²
0.3
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 79
Mean 3.206e−13
Std Dev1.355e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

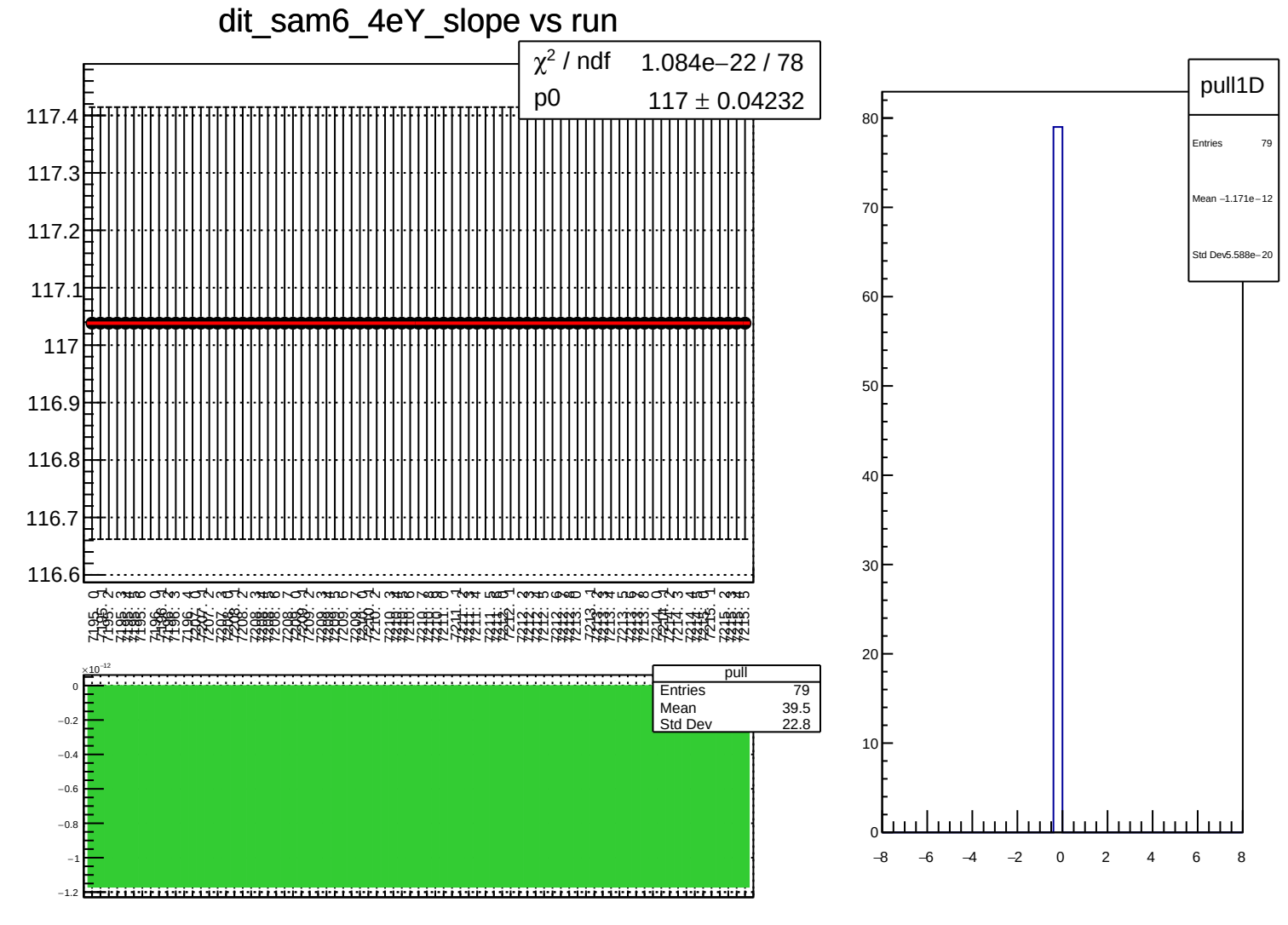

dit_sam6_4aX_slope vs run
χ² / ndf 0 / 78
p0 24.89 ± 0.3592
pull
Entries 79
Mean 0
Std Dev 0
pull1D
Entries 79
Mean 0
Std Dev 0

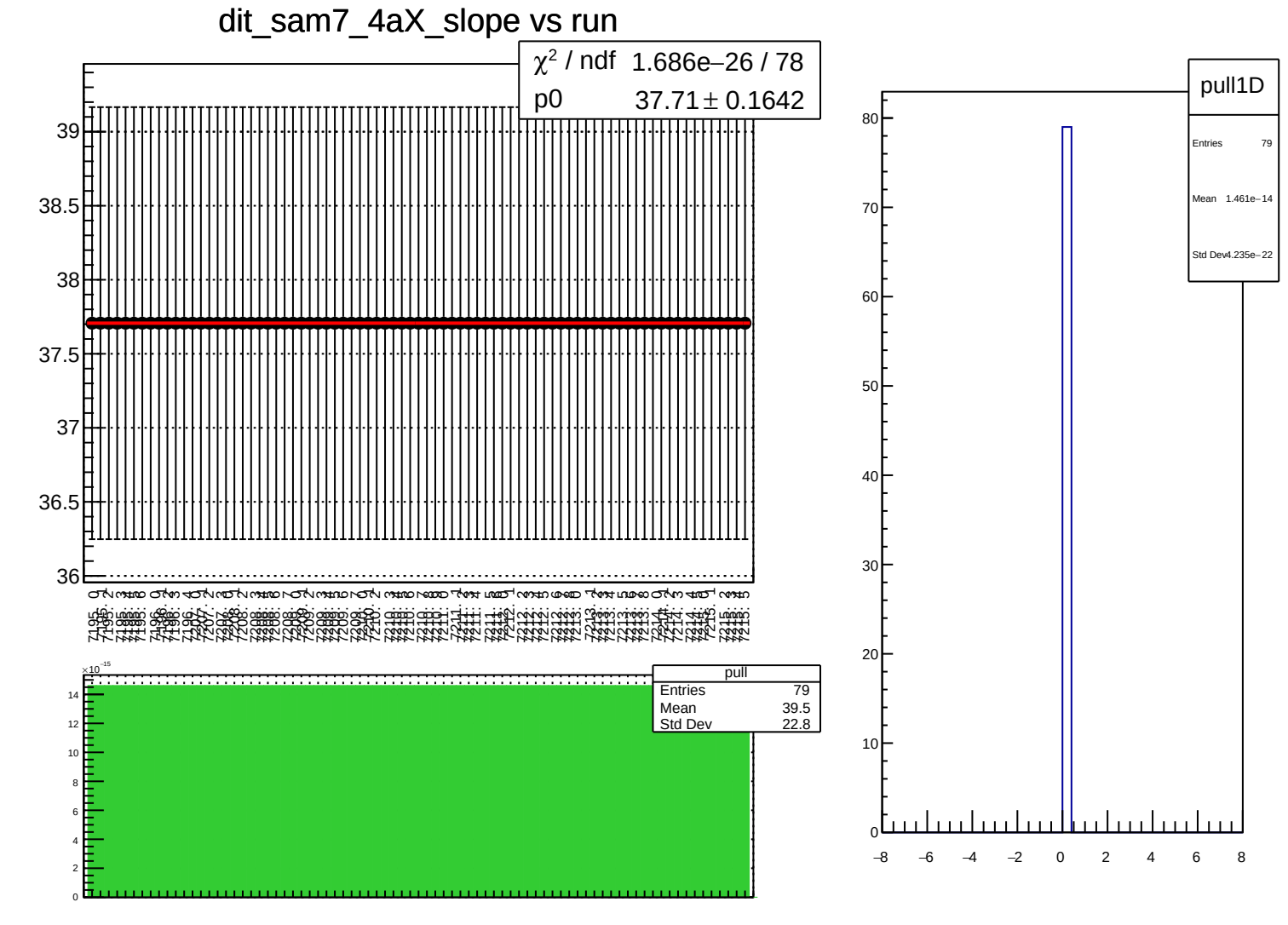

dit_sam6_4eX_slope vs run
χ² / ndf 4.901e−26 / 78
p0 59.75 ± 0.321
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean −2.491e−14
Std Dev7.923e−22

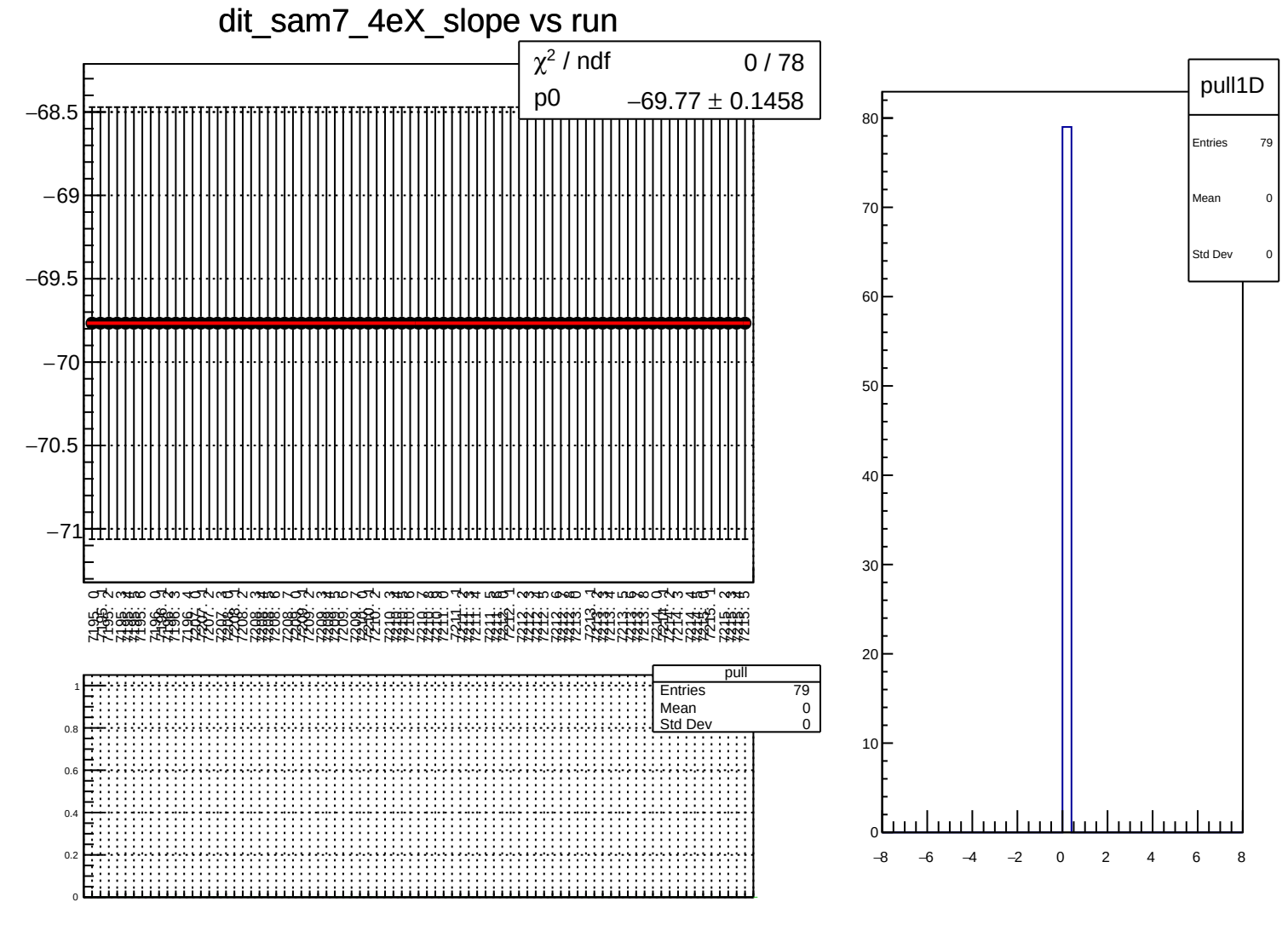

dit_sam6_11X12X_slope vs run
χ² / ndf 3.61e−26 / 78
p0 0.4449 ± 0.003798
0.48
0.47
0.46
0.45
0.44
0.43
0.42
0.41
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹⁵
0
−5
−10
−15
−20

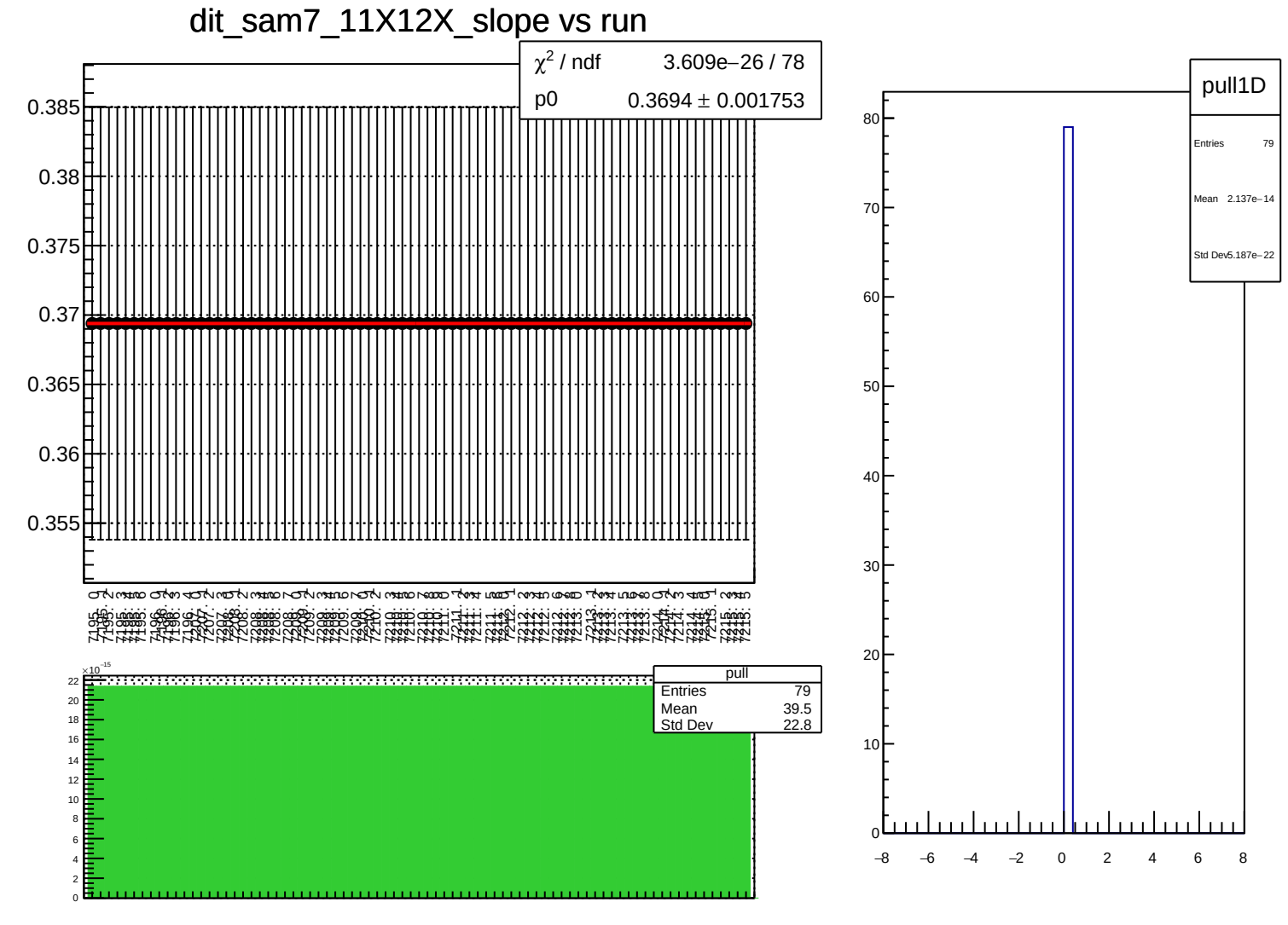

pull1D
Entries 79
Mean −2.138e−14
Std Dev1.037e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

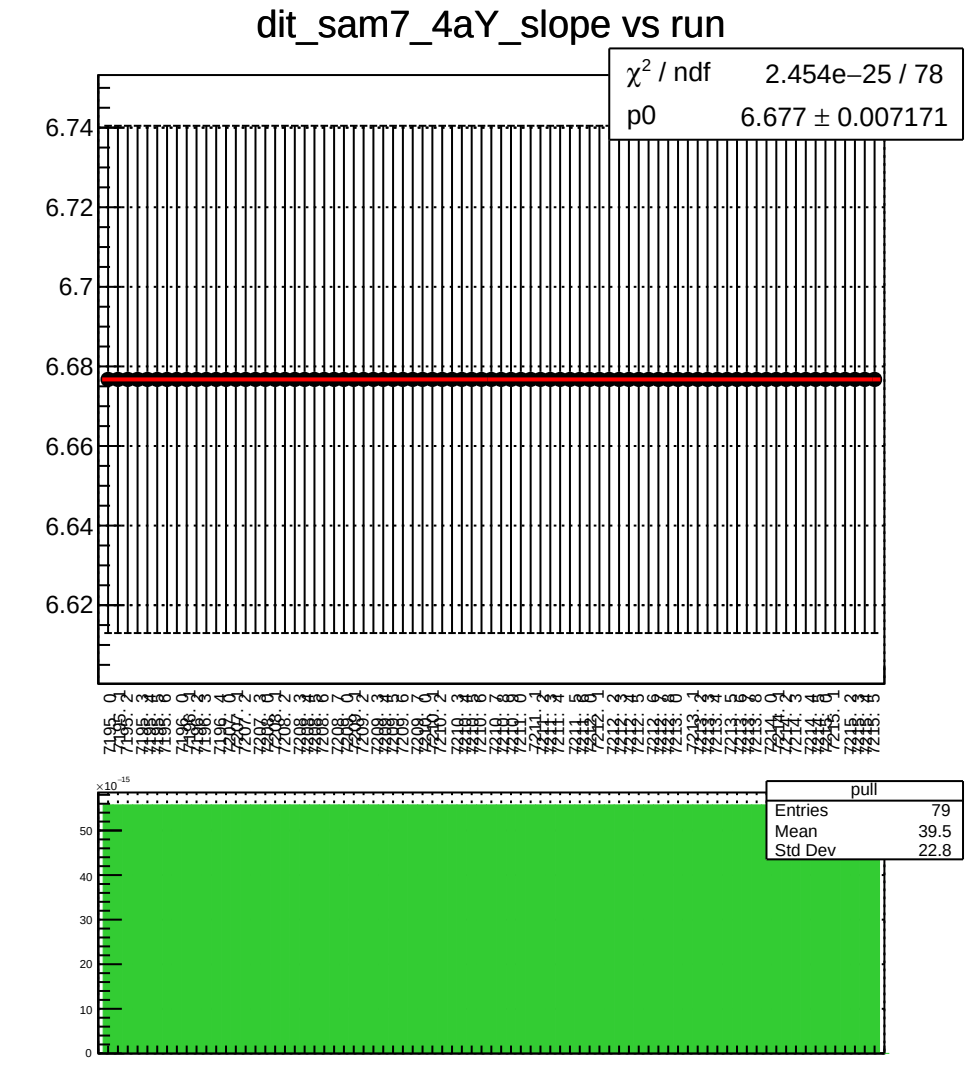

dit_sam6_4aY_slope vs run
χ² / ndf 2.683e−25 / 78
p0 12.48 ± 0.02744
12.7
12.6
12.5
12.4
12.3
12.2
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
pull1D
Entries 79
Mean −5.827e−14
Std Dev 8.47e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

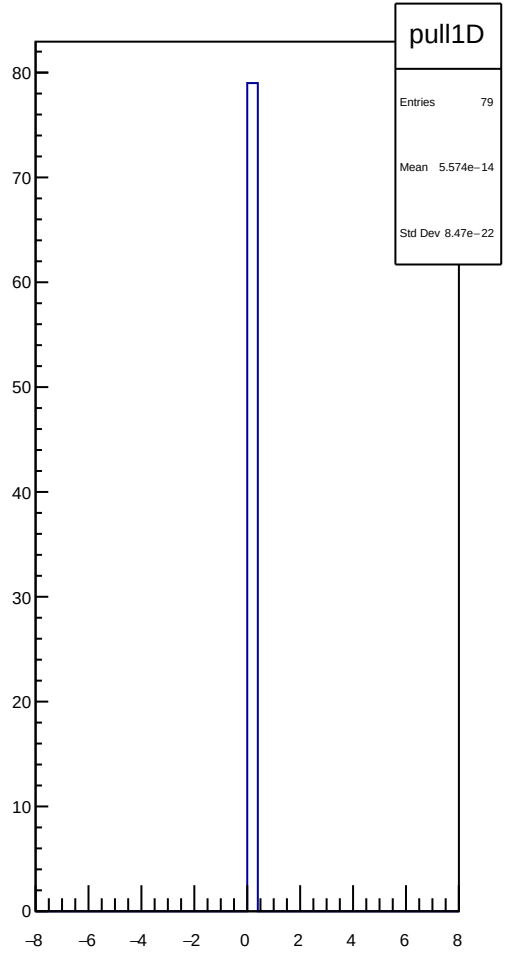

dit_sam6_4eY_slope vs run
χ² / ndf 1.084e−22 / 78
p0 117 ± 0.04232
117.4
117.3
117.2
117.1
117
116.9
116.8
116.7
116.6
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹²
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
pull1D
Entries 79
Mean −1.171e−12
Std Dev 5.588e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

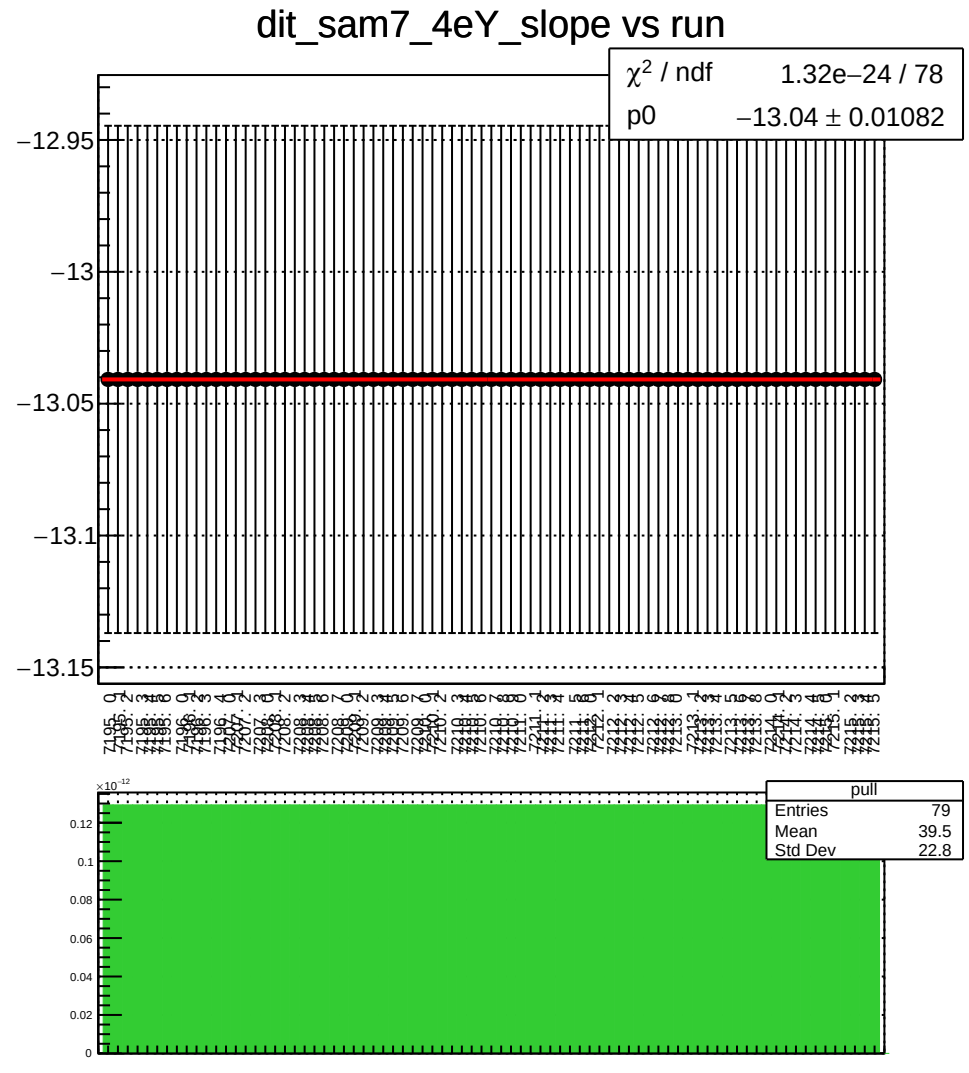

dit_sam7_4aX_slope vs run
χ² / ndf 1.686e−26 / 78
p0 37.71 ± 0.1642
39
38.5
38
37.5
37
36.5
36
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹⁵
14
12
10
8
6
4
2
0
pull1D
Entries 79
Mean 1.461e−14
Std Dev 4.235e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

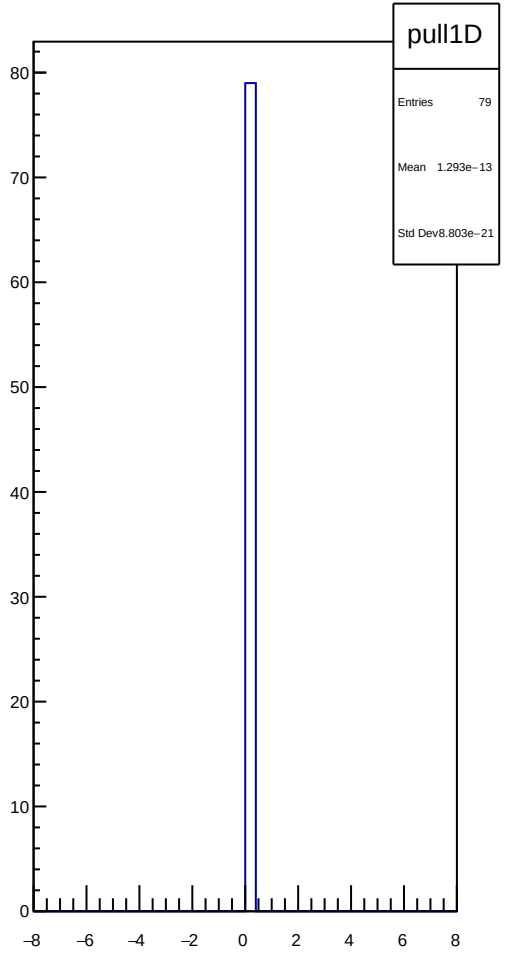

dit_sam7_4eX_slope vs run
χ² / ndf 0 / 78
p0 −69.77 ± 0.1458
−68.5
−69
−69.5
−70
−70.5
−71
pull
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 79
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

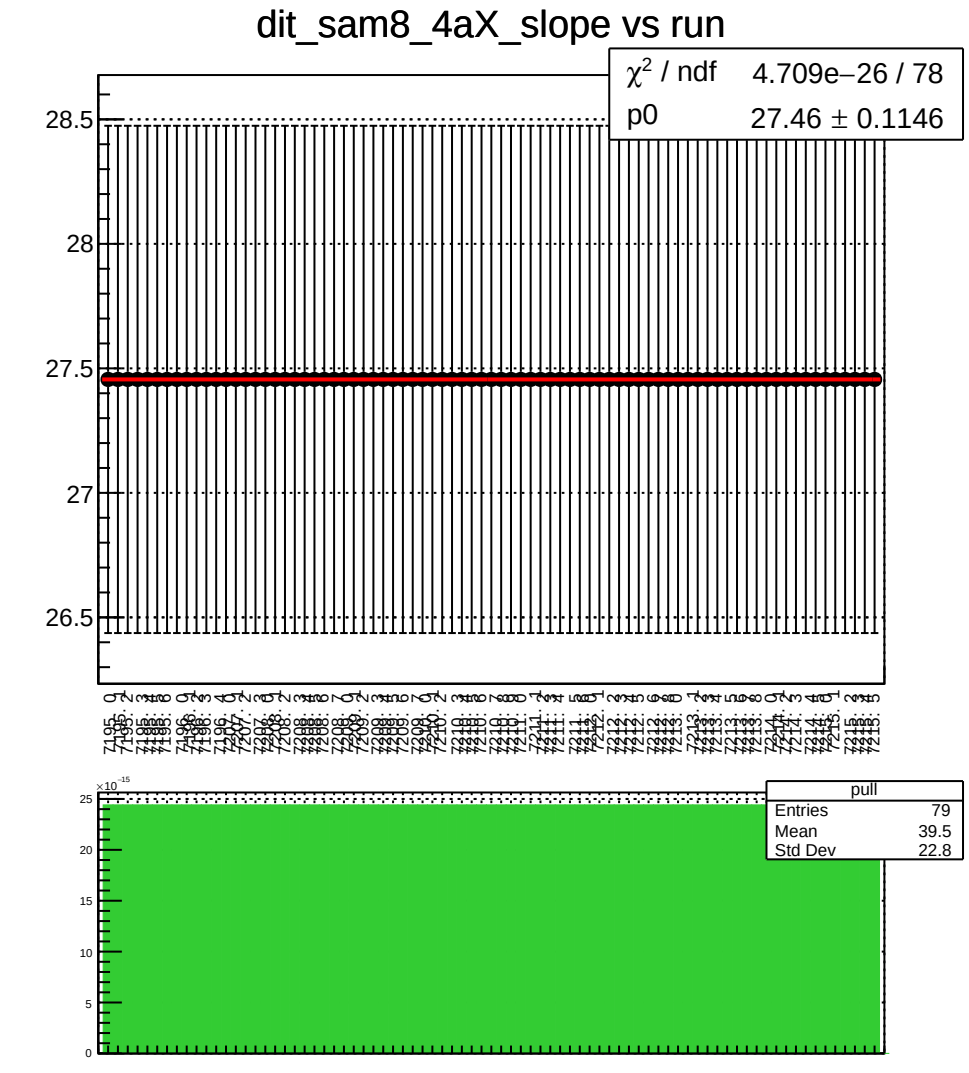

dit_sam7_11X12X_slope vs run
χ² / ndf 3.609e−26 / 78
p0 0.3694 ± 0.001753
0.385
0.38
0.375
0.37
0.365
0.36
0.355
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹⁵
pull1D
Entries 79
Mean 2.137e−14
Std Dev 5.187e−22

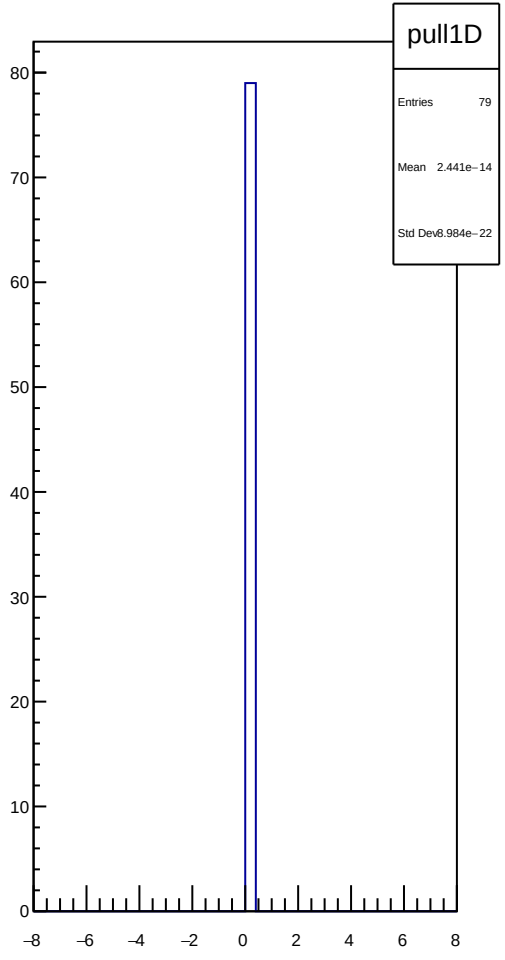

dit_sam7_4aY_slope vs run
χ² / ndf 2.454e−25 / 78
p0 6.677 ± 0.007171
6.74
6.72
6.7
6.68
6.66
6.64
6.62
×10⁻¹⁵
pull
Entries 79
Mean 39.5
Std Dev 22.8
50
40
30
20
10
0

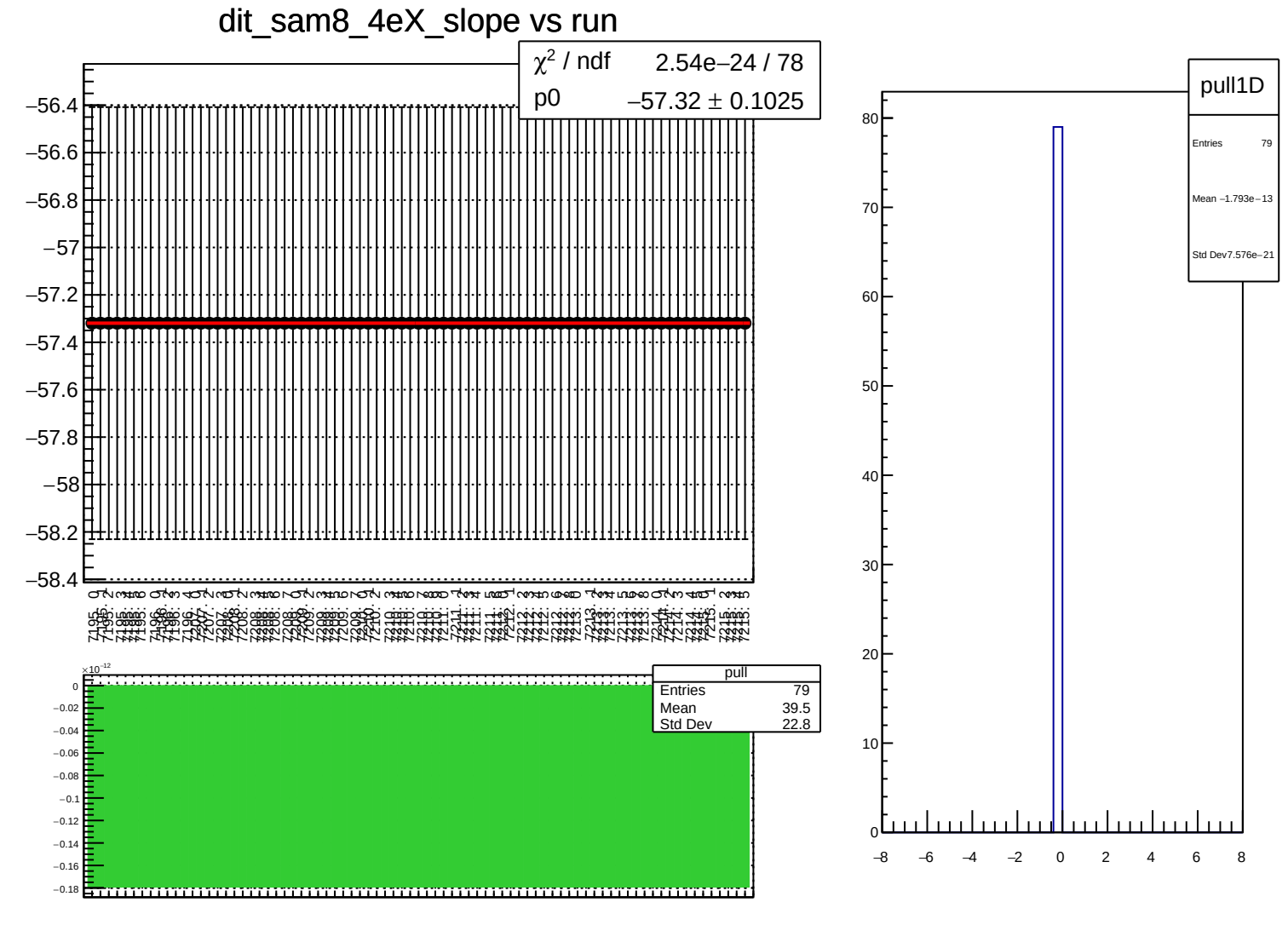

pull1D
Entries 79
Mean 5.574e−14
Std Dev 8.47e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

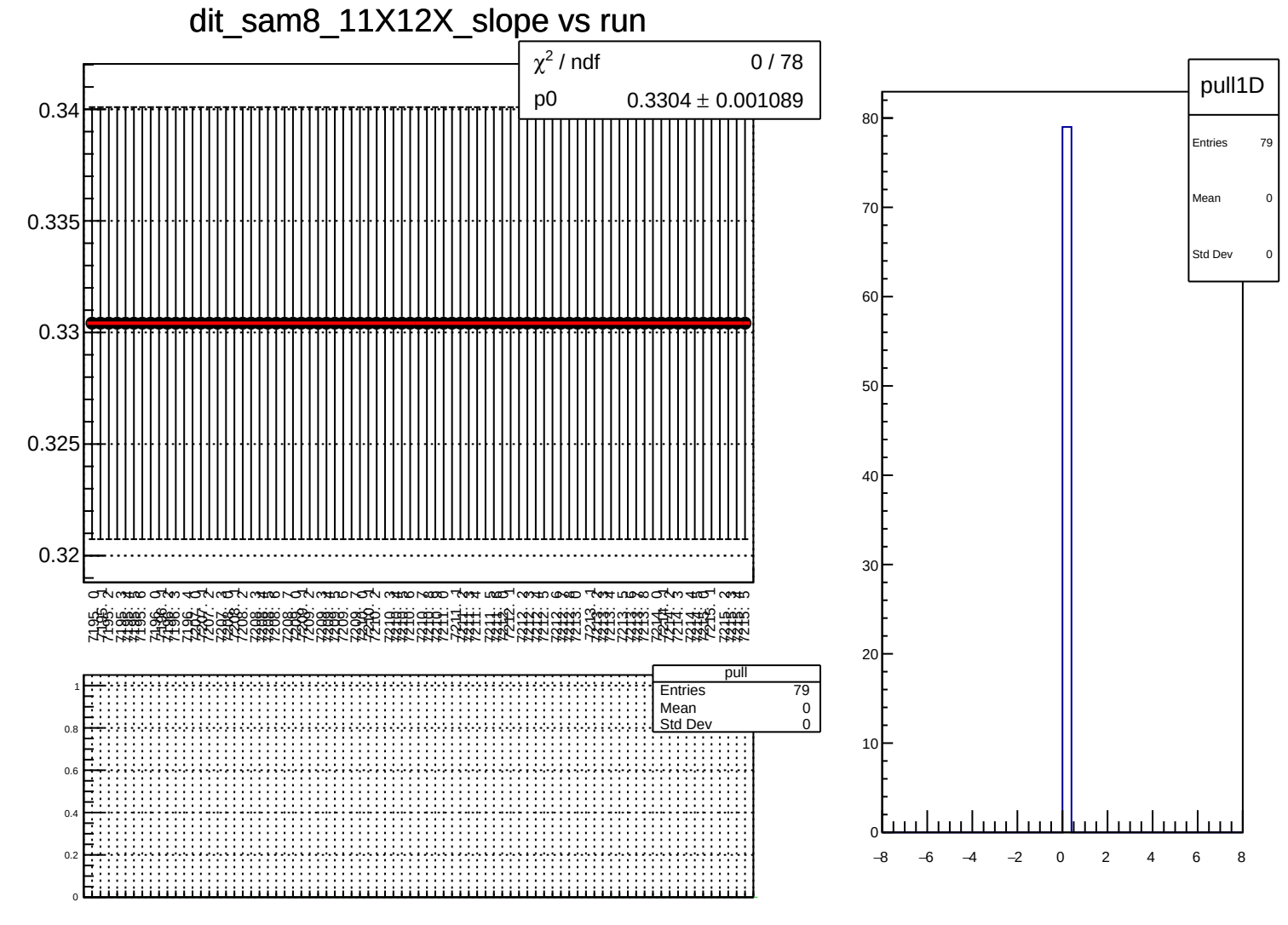

dit_sam7_4eY_slope vs run
χ² / ndf 1.32e−24 / 78
p0 −13.04 ± 0.01082
−12.95
−13
−13.05
−13.1
−13.15
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹²
0.12
0.1
0.08
0.06
0.04
0.02
0

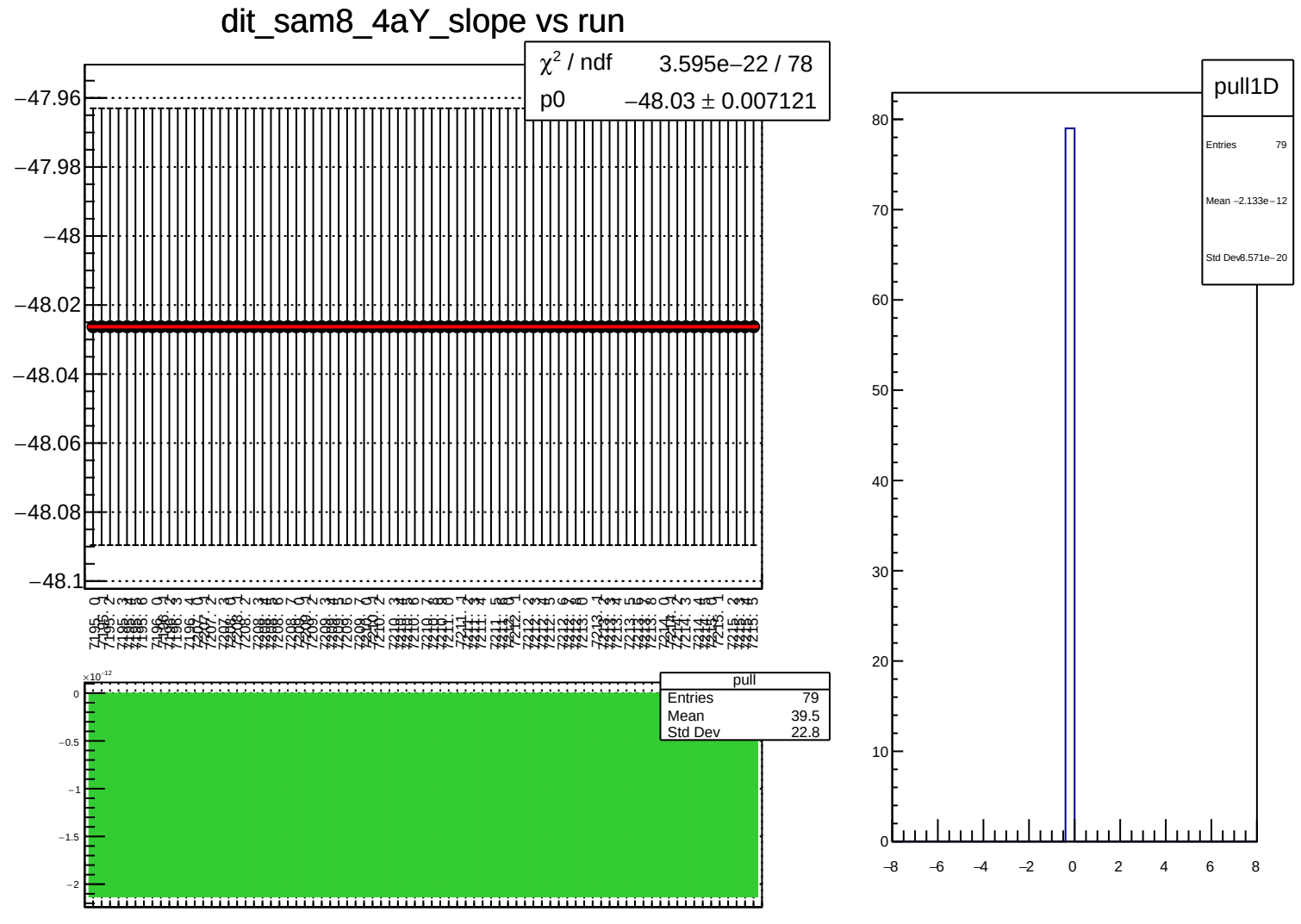

pull1D
Entries 79
Mean 1.293e−13
Std Dev8.803e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

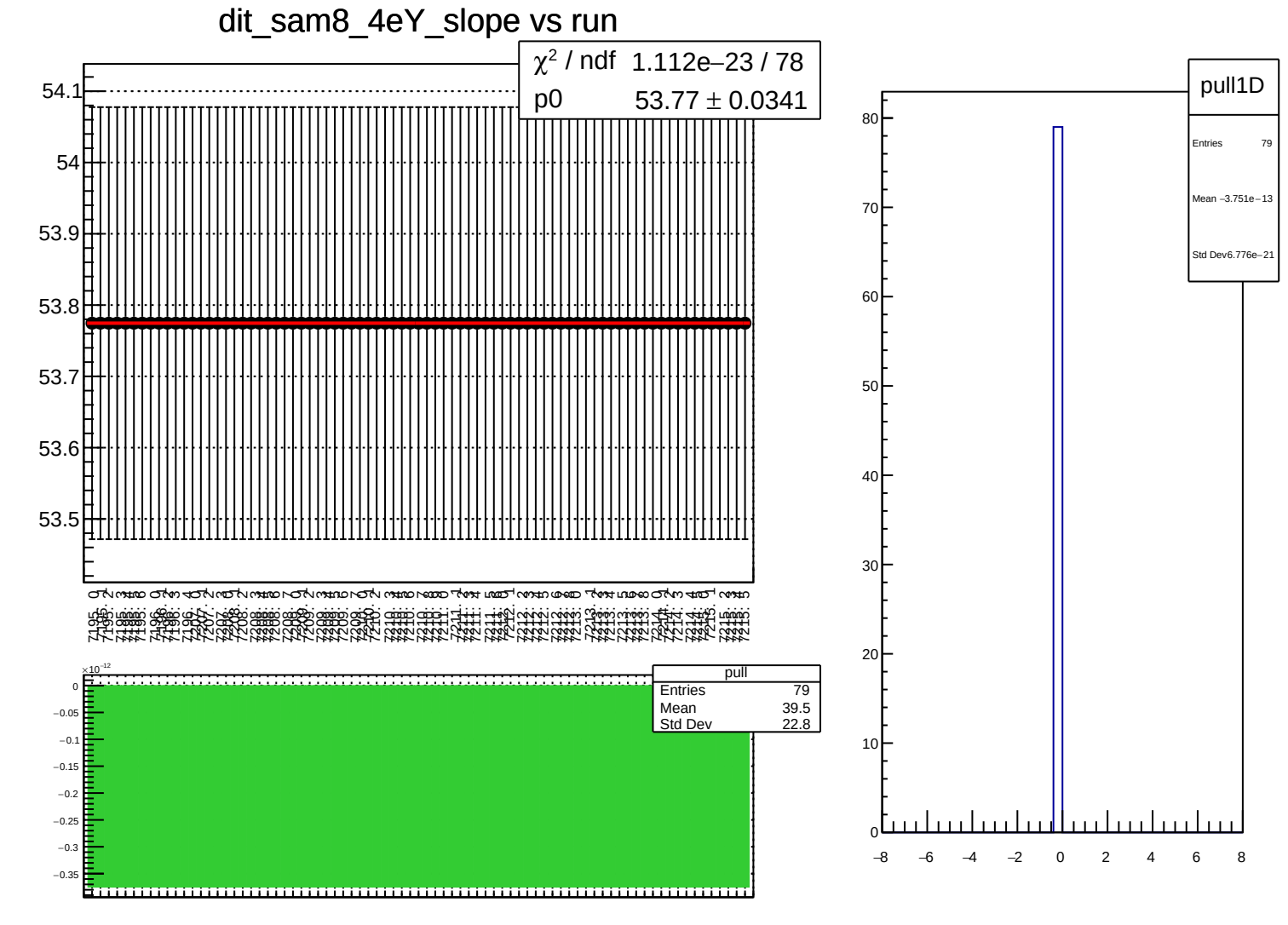

dit_sam8_4aX_slope vs run
χ² / ndf 4.709e−26 / 78
p0 27.46 ± 0.1146
28.5
28
27.5
27
26.5
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹⁵
25
20
15
10
5
0


pull1D
Entries 79
Mean 2.441e−14
Std Dev 8.984e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam8_4eX_slope vs run
χ² / ndf 2.54e−24 / 78
p0 −57.32 ± 0.1025
−56.4
−56.6
−56.8
−57
−57.2
−57.4
−57.6
−57.8
−58
−58.2
−58.4
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
−0.18
pull1D
Entries 79
Mean −1.793e−13
Std Dev7.576e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam8_11X12X_slope vs run
χ² / ndf 0 / 78
p0 0.3304 ± 0.001089
0.34
0.335
0.33
0.325
0.32
pull
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 79
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
–8
–6
–4
–2
0
2
4
6
8


dit_sam8_4aY_slope vs run
χ² / ndf 3.595e−22 / 78
p0 −48.03 ± 0.007121
−47.96
−47.98
−48
−48.02
−48.04
−48.06
−48.08
−48.1
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹²
0
−0.5
−1
−1.5
−2
pull1D
Entries 79
Mean −2.133e−12
Std Dev 8.571e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam8_4eY_slope vs run
χ² / ndf 1.112e−23 / 78
p0 53.77 ± 0.0341
54.1
54
53.9
53.8
53.7
53.6
53.5
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
pull1D
Entries 79
Mean −3.751e−13
Std Dev6.776e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
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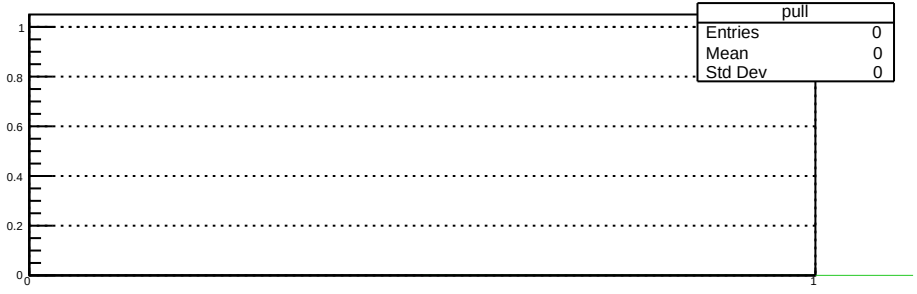
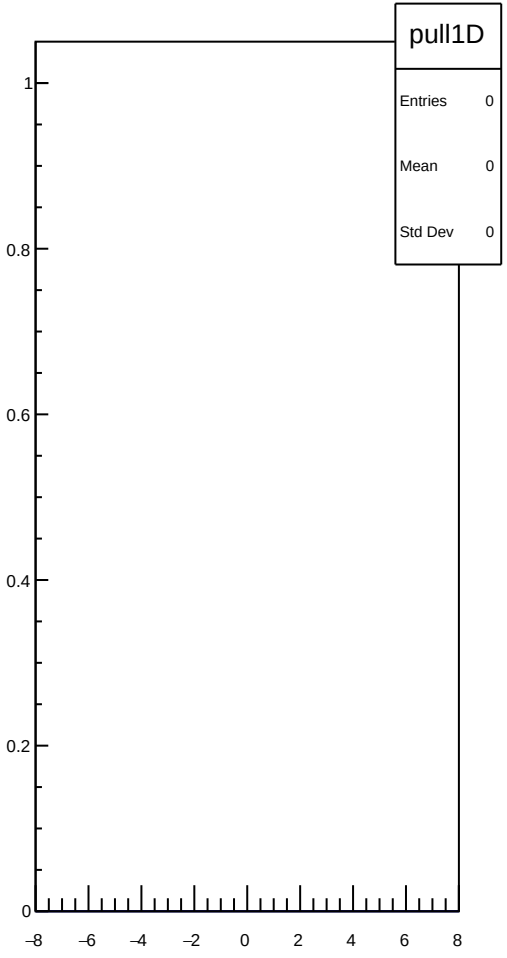
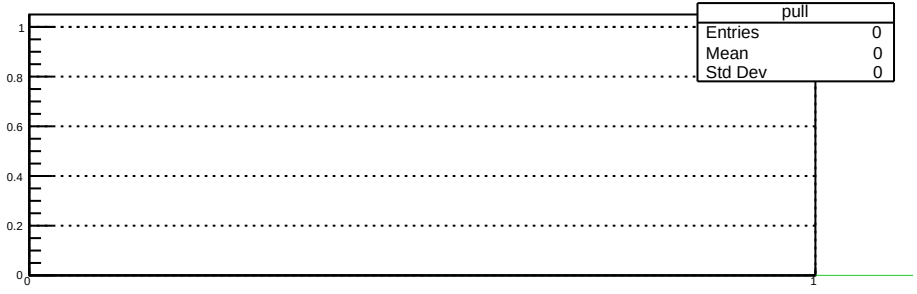
2
4
6
8


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


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


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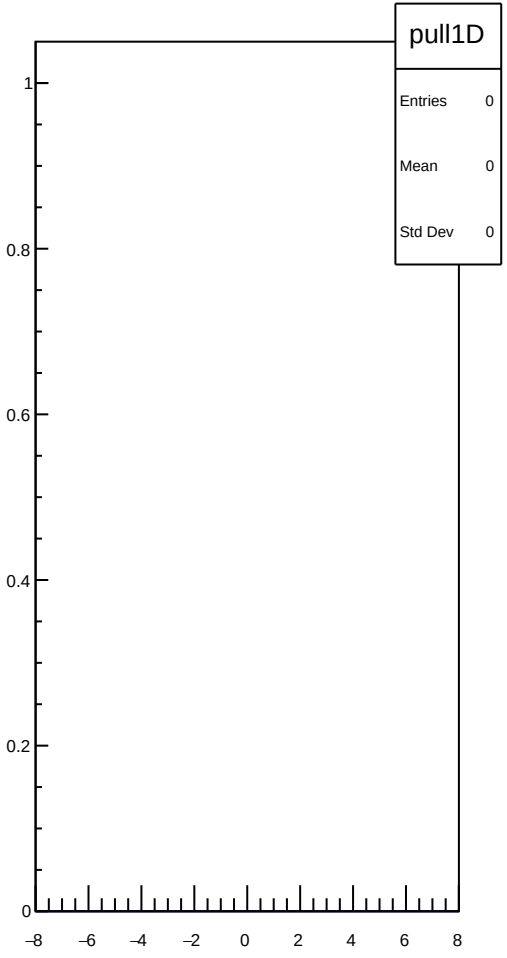
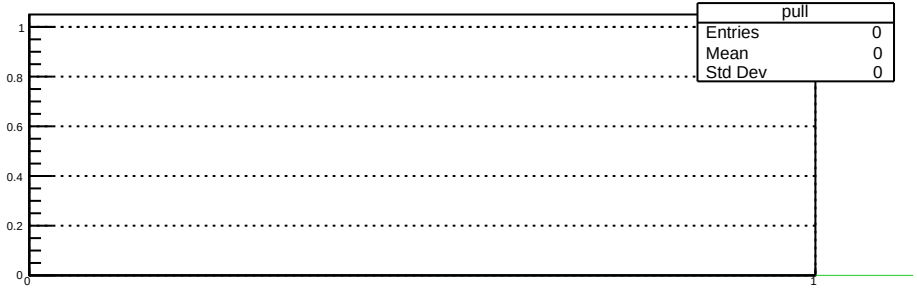
0.6
0.4
0.2
0
0
1


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
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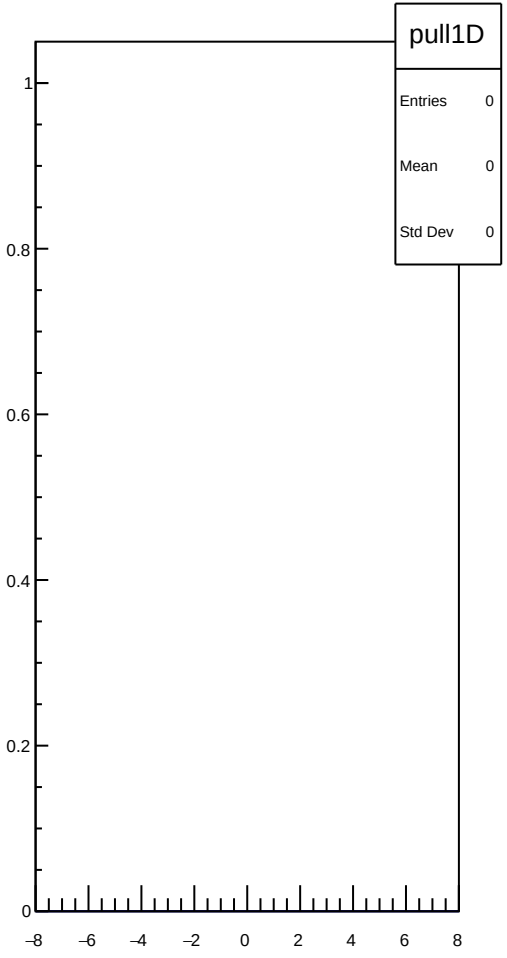
0.6
0.4
0.2
0
0
1


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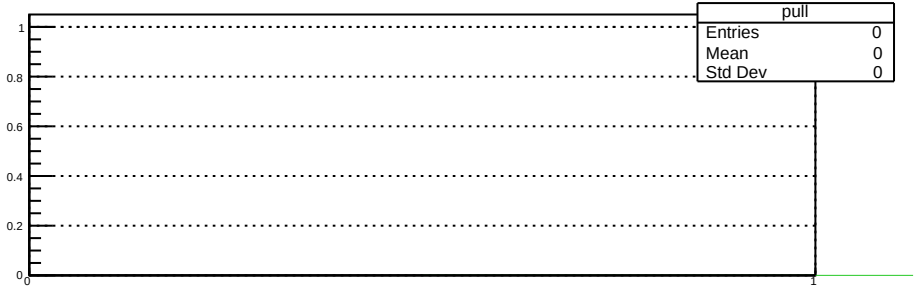
0
2
4
6
8


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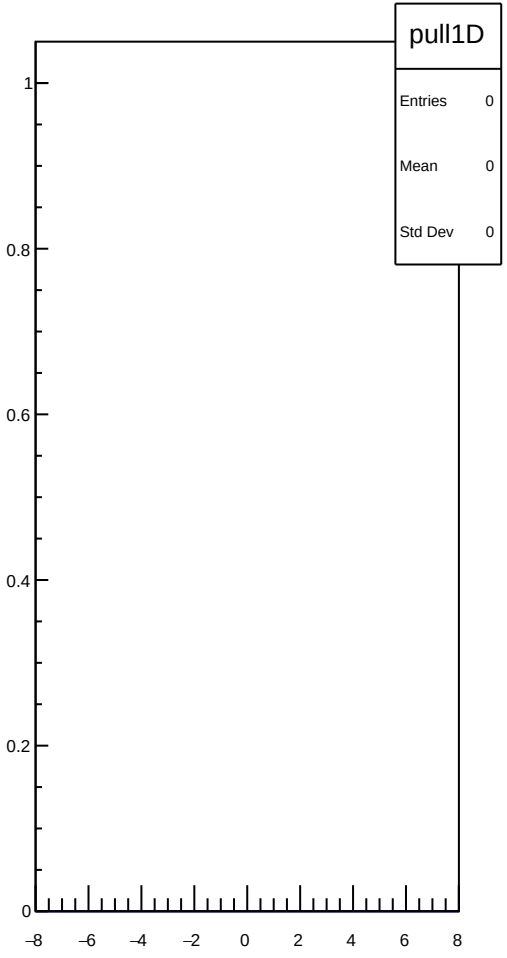
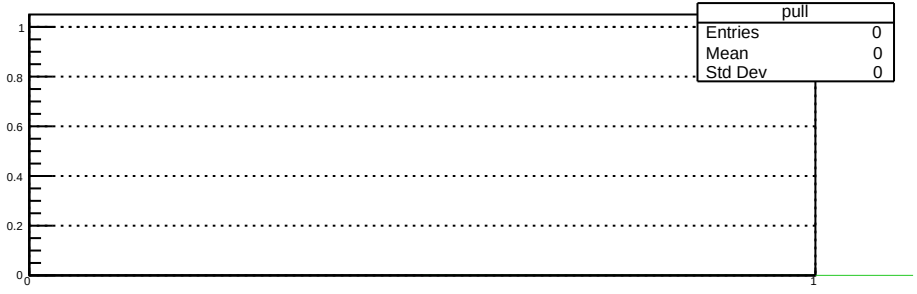
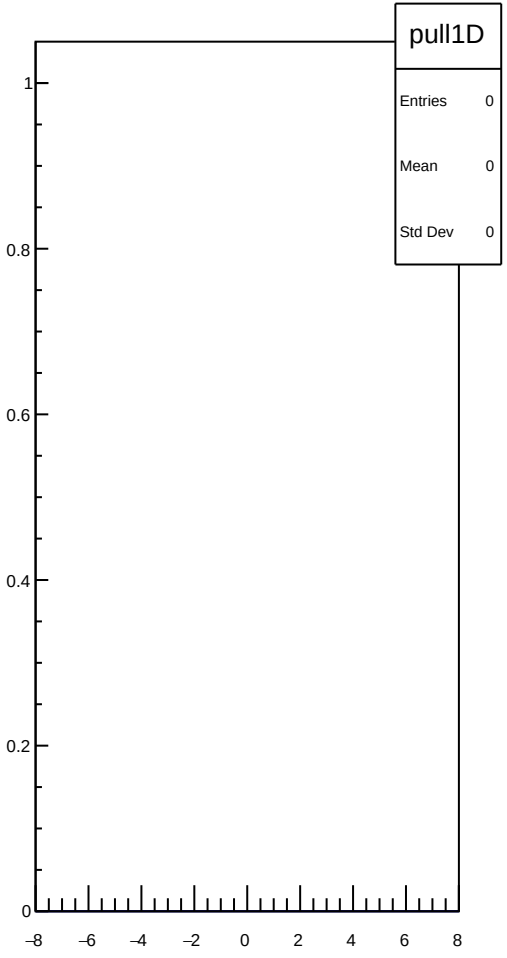
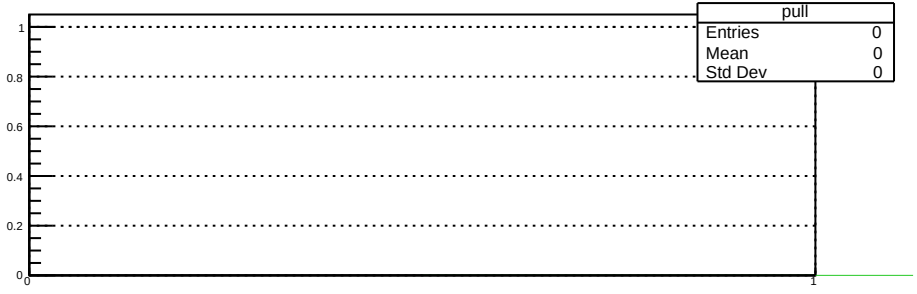
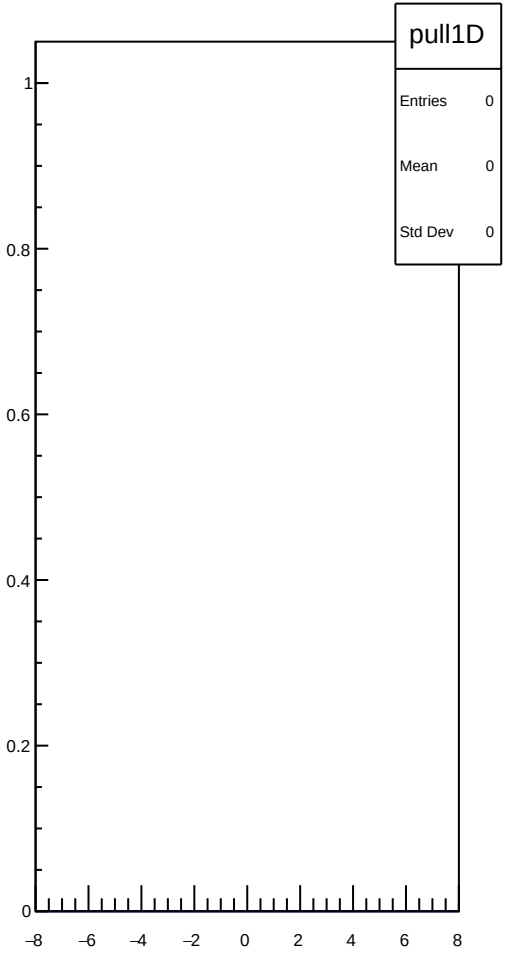
0
0
1


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


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


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


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


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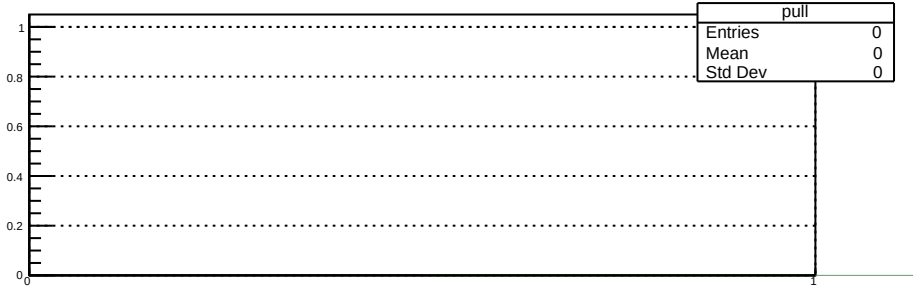
2
4
6
8


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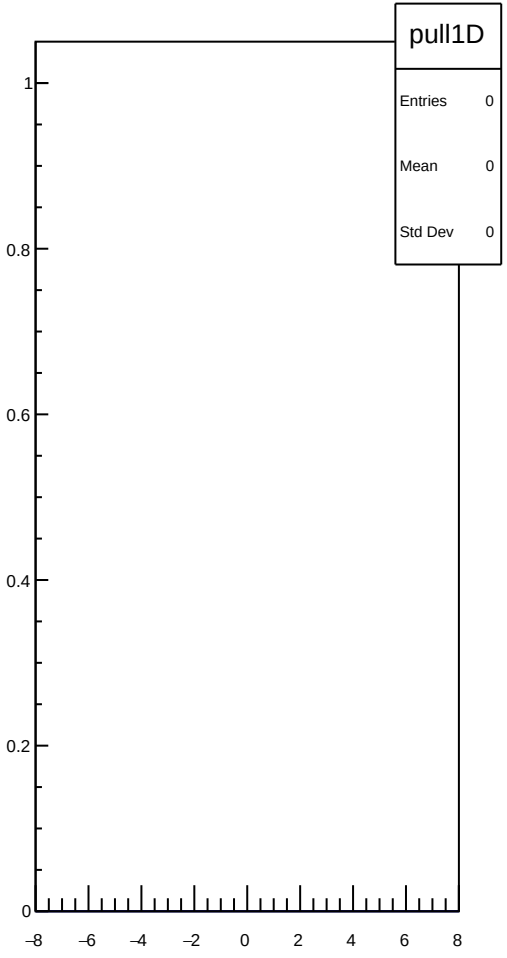
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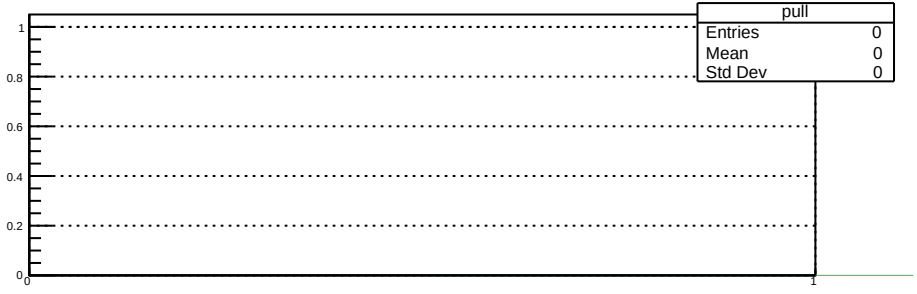
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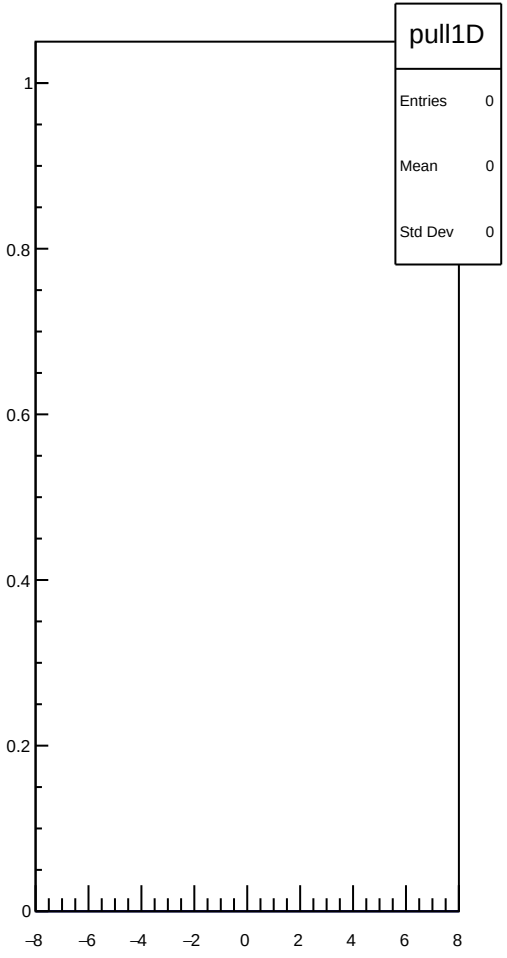
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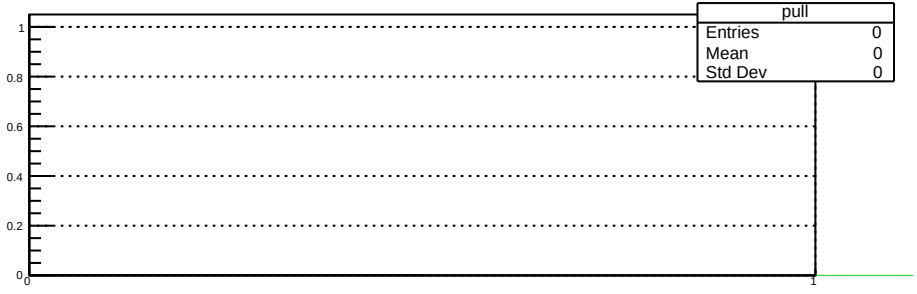
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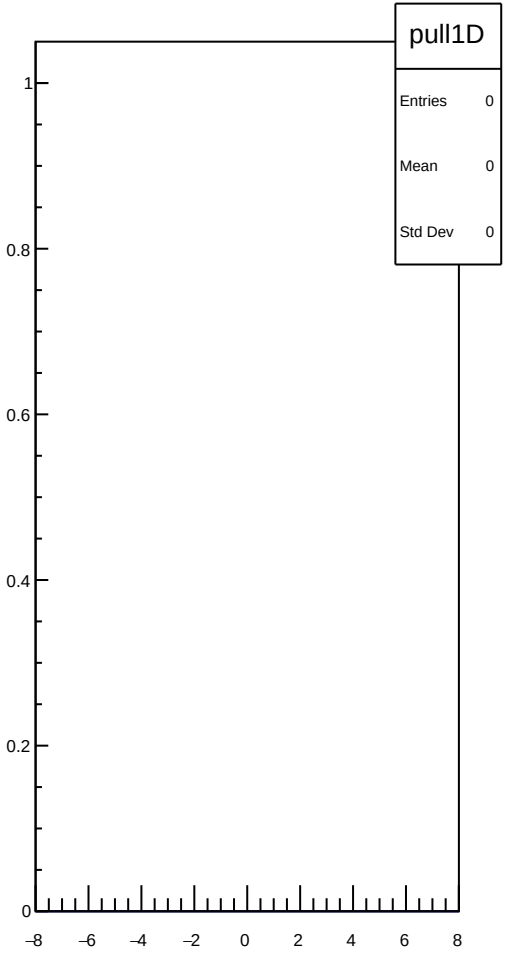
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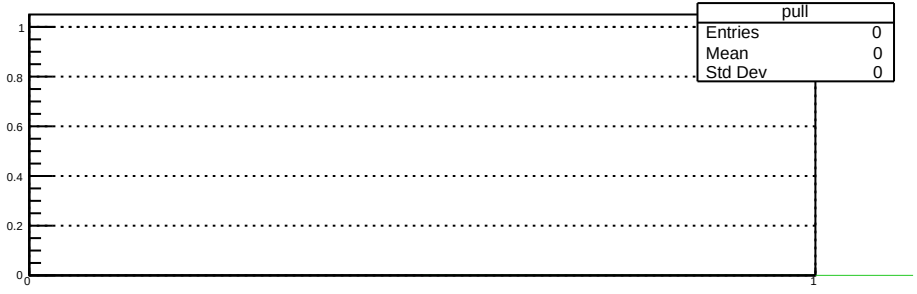
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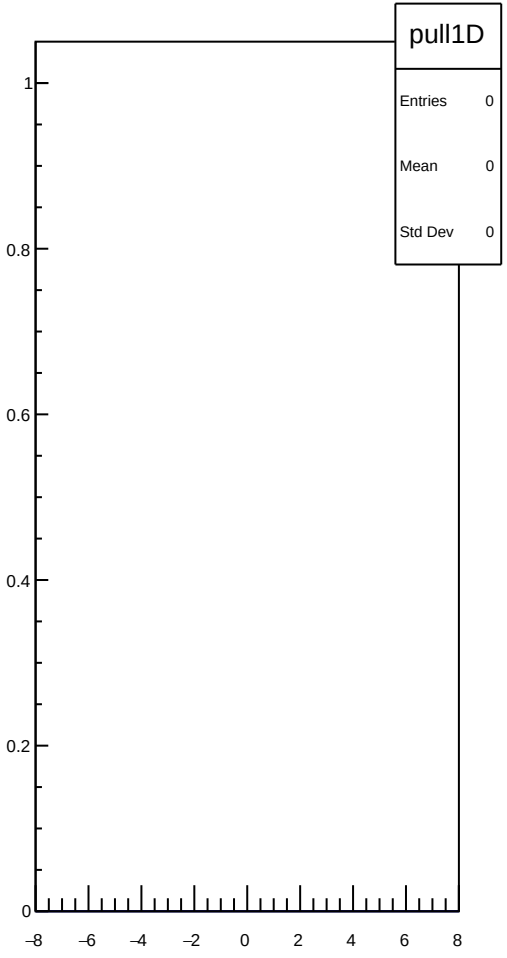
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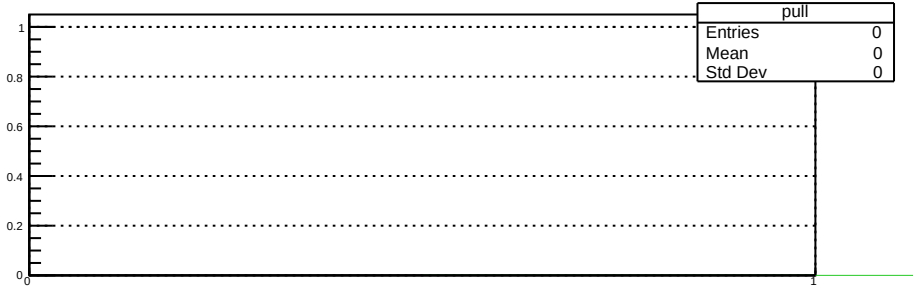
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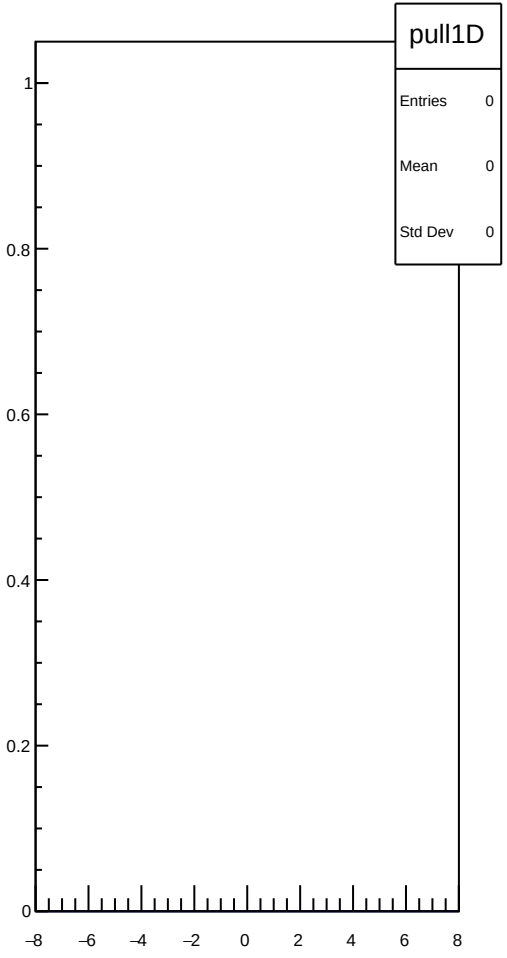
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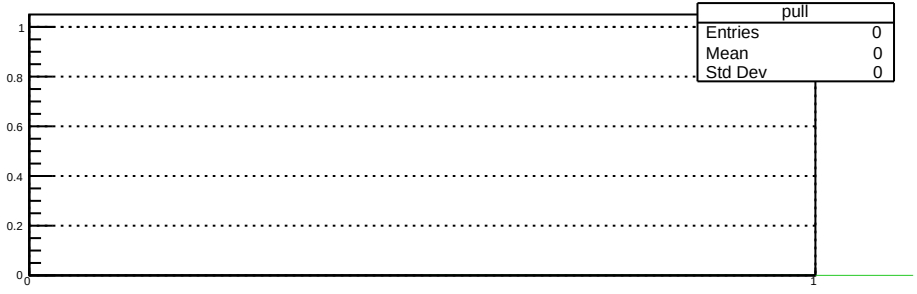
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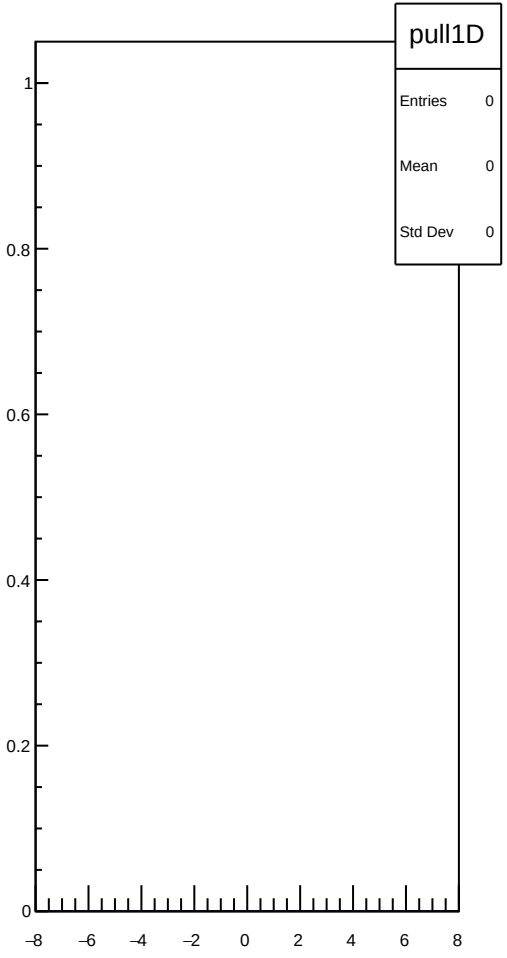
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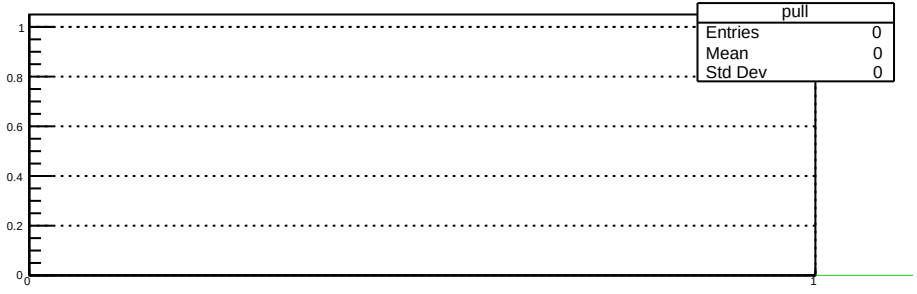
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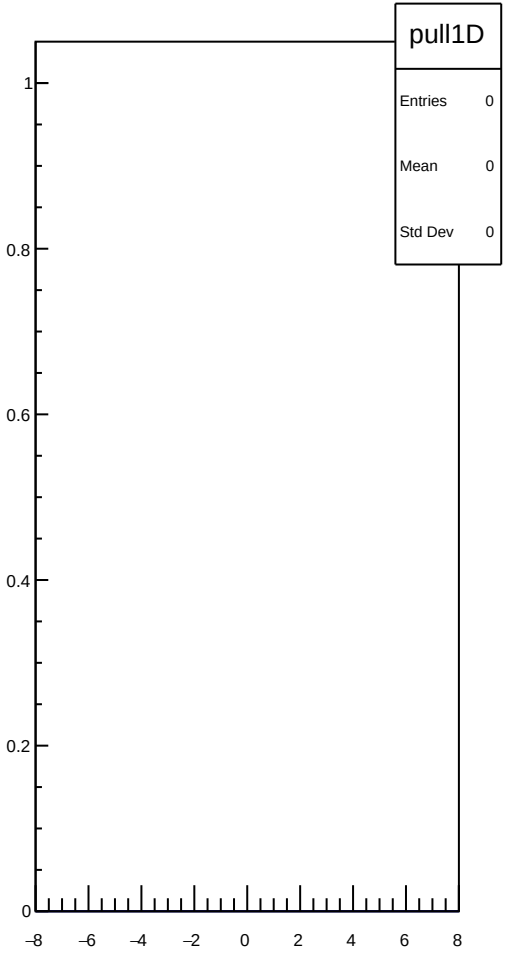
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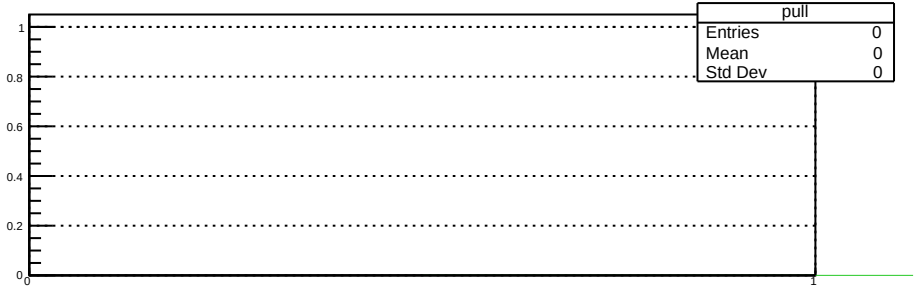
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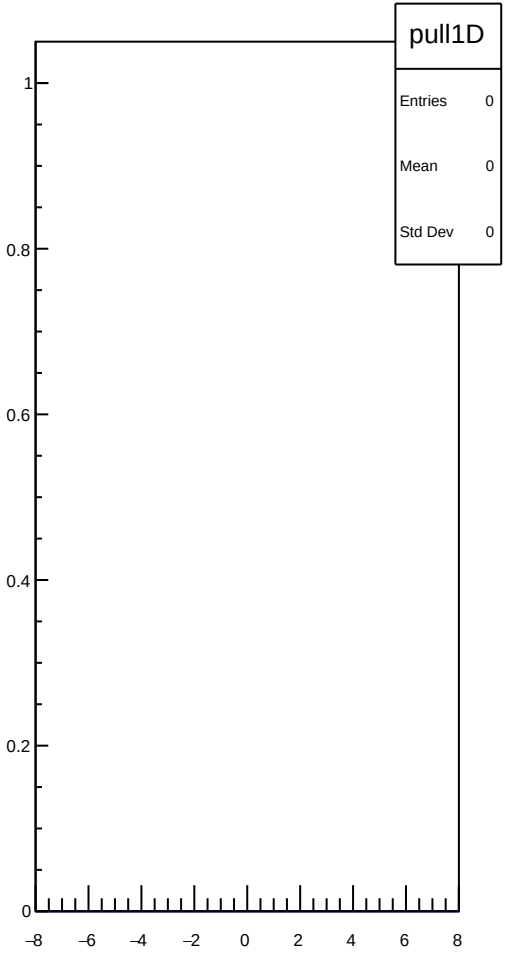
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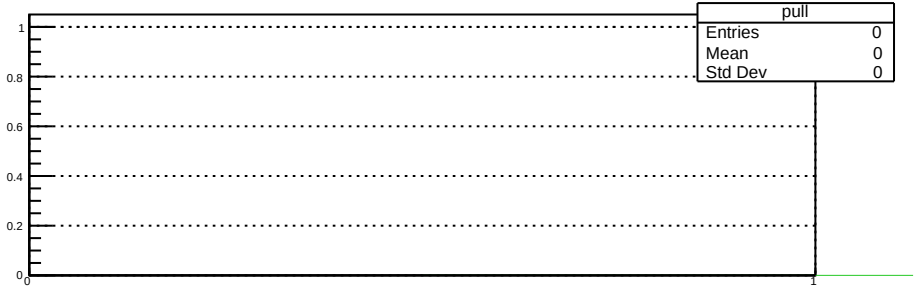
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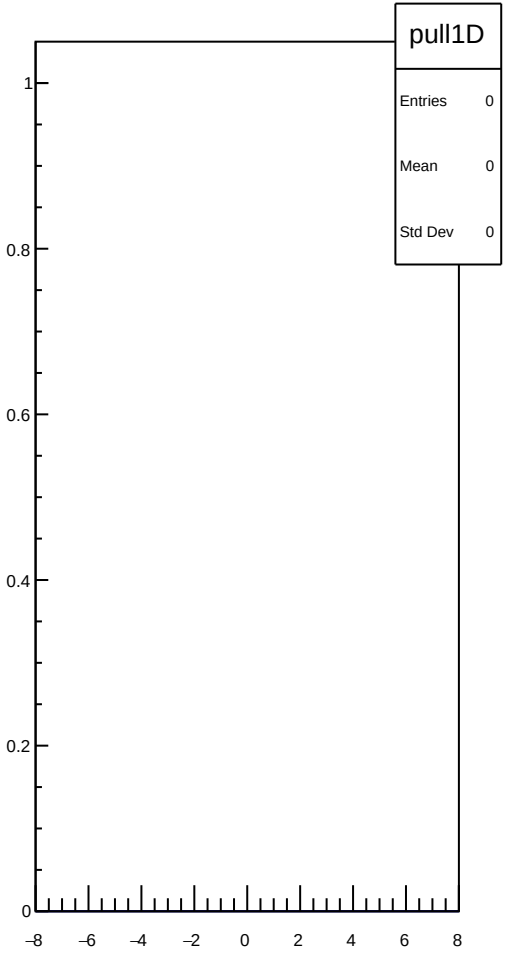
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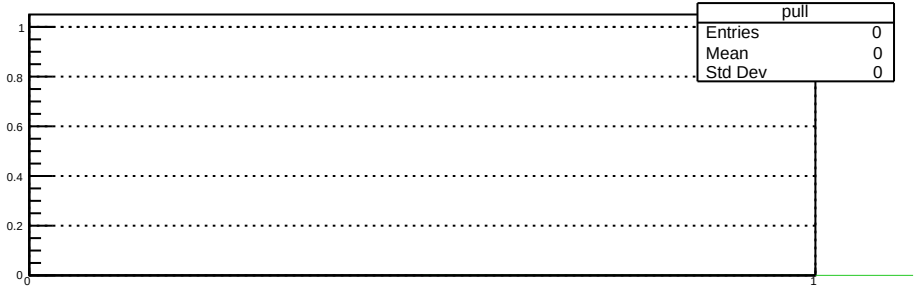
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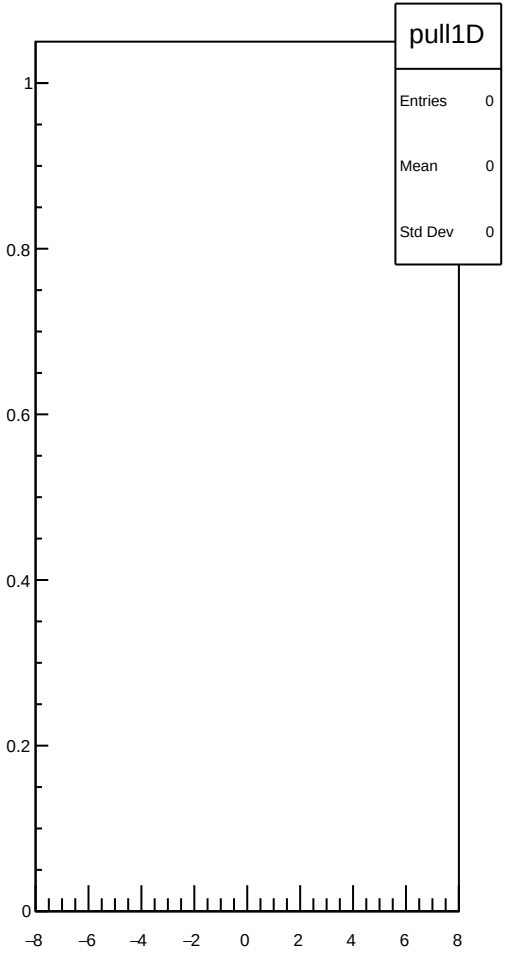
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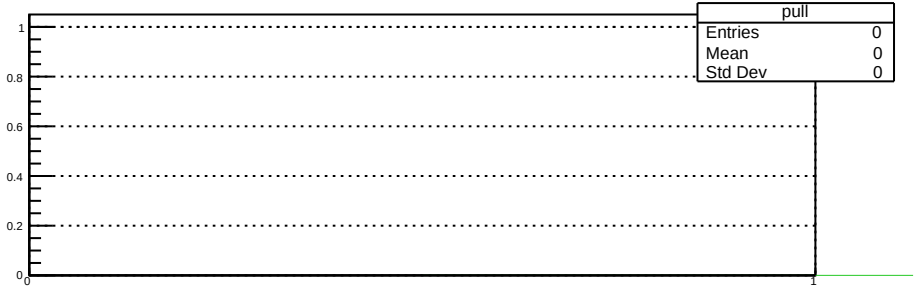
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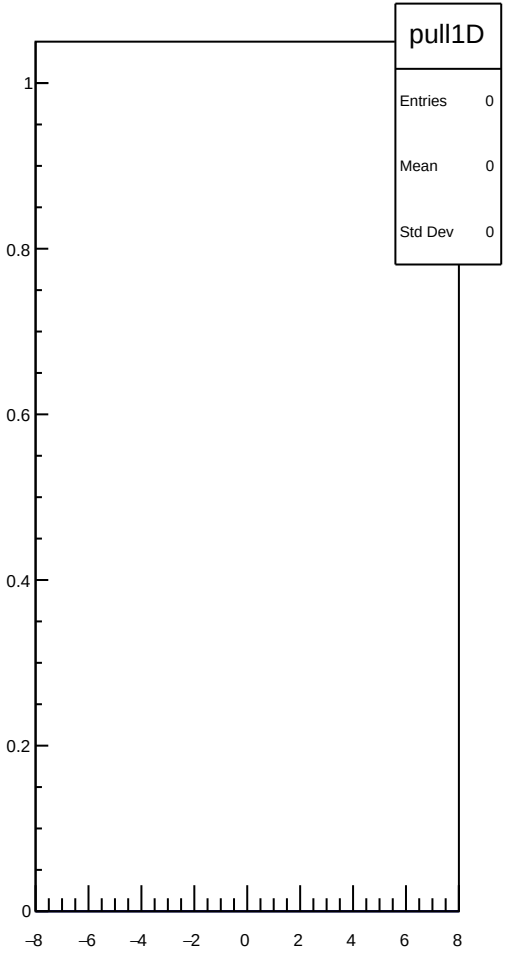
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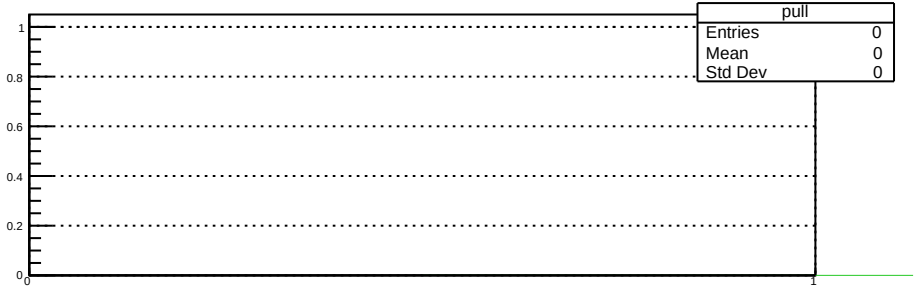
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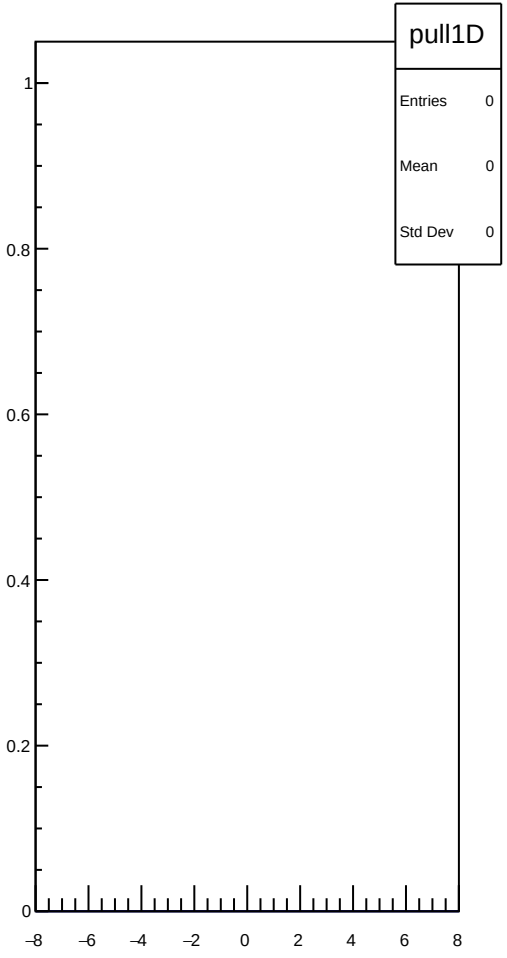
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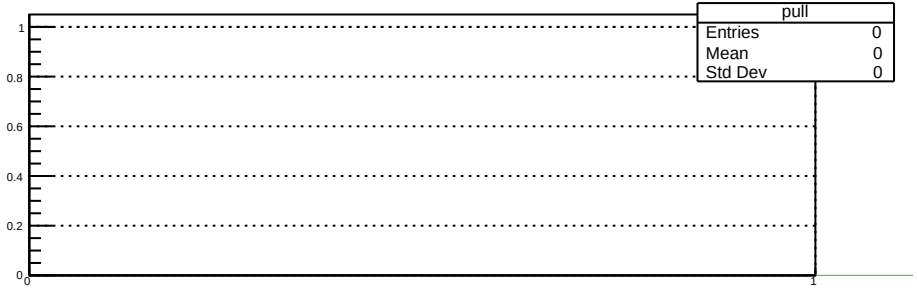
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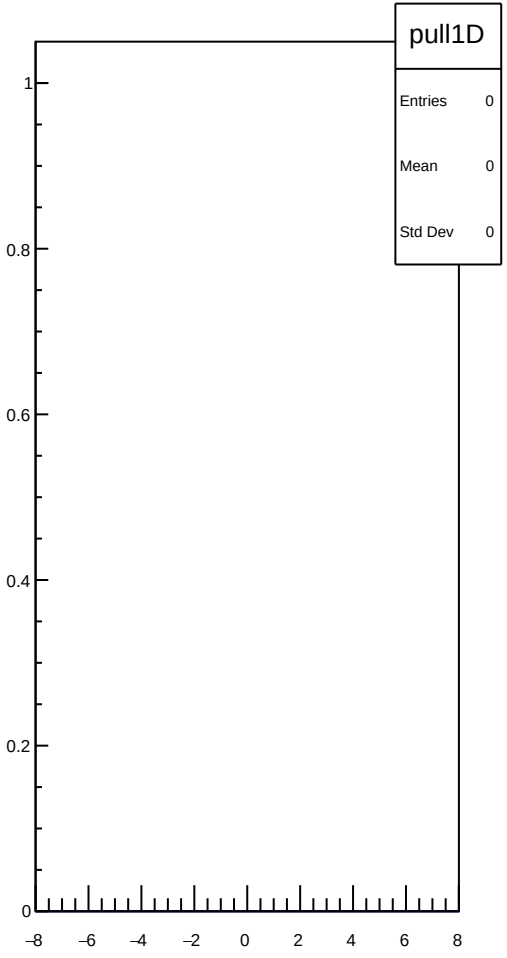
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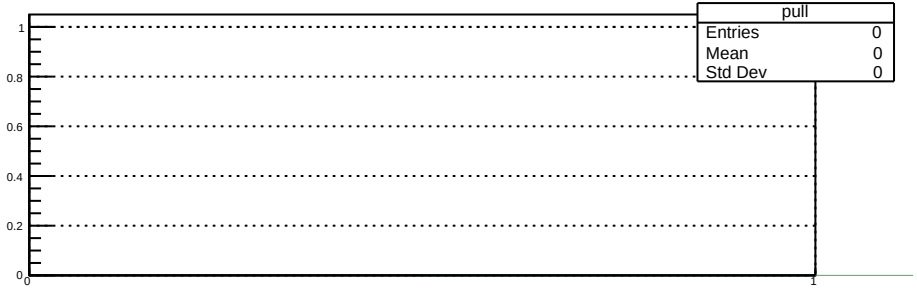
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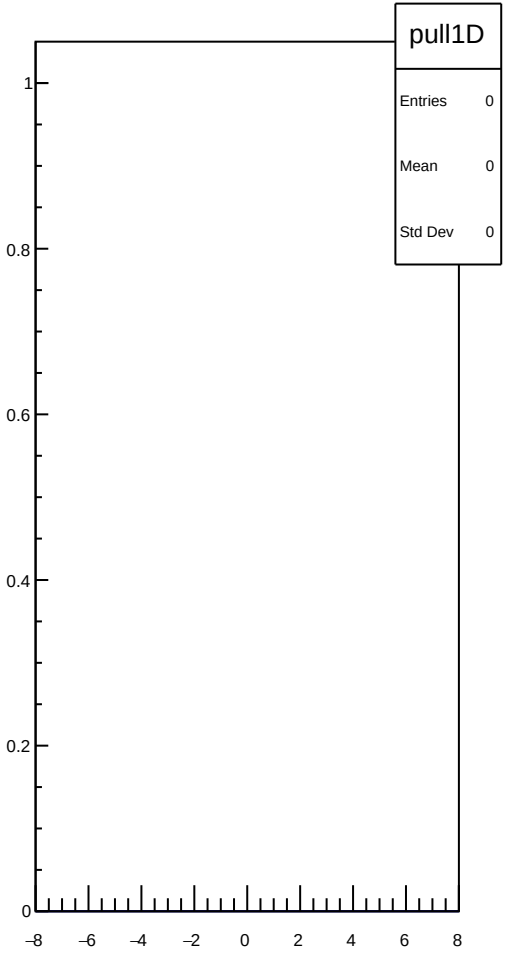
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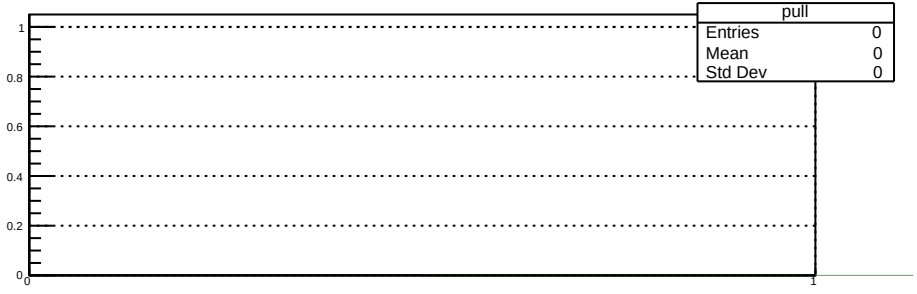
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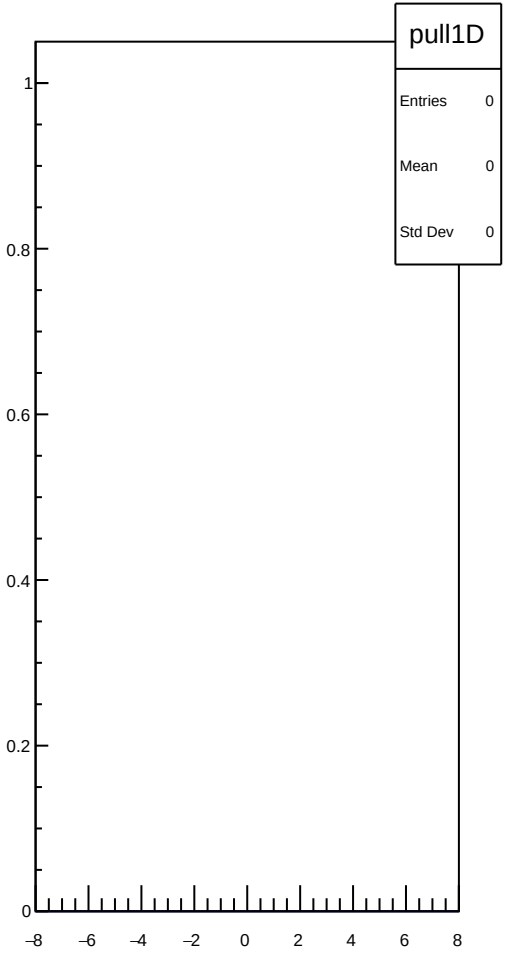
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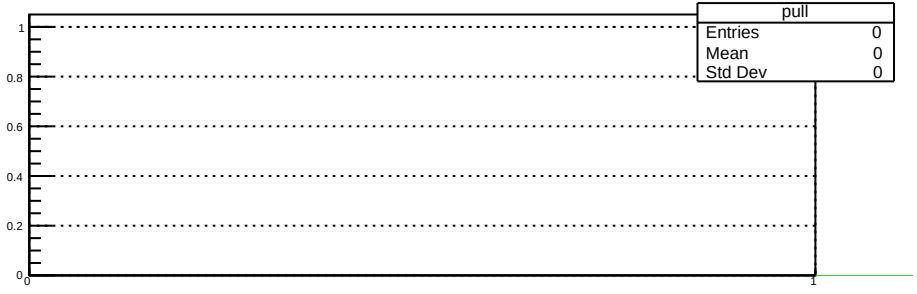
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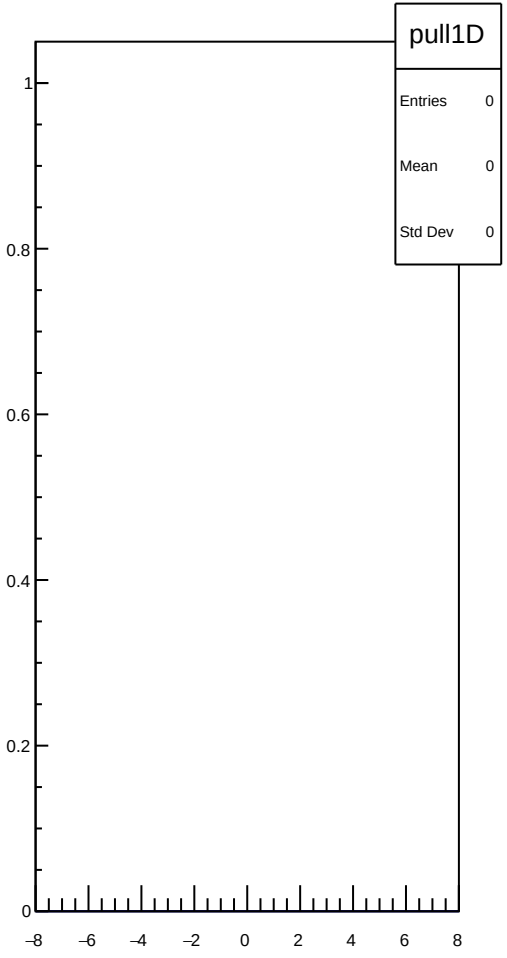
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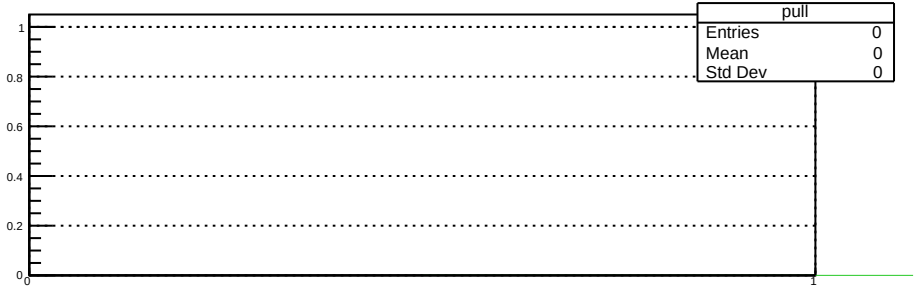
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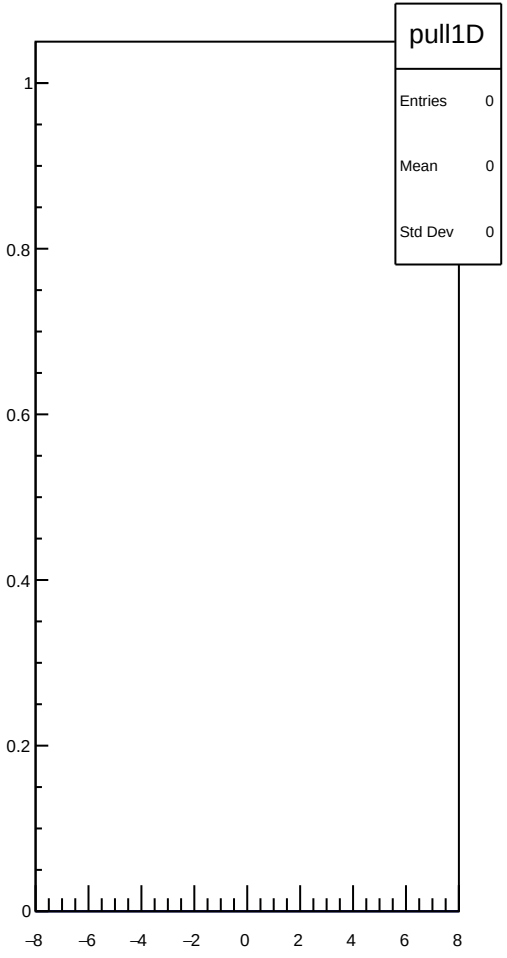
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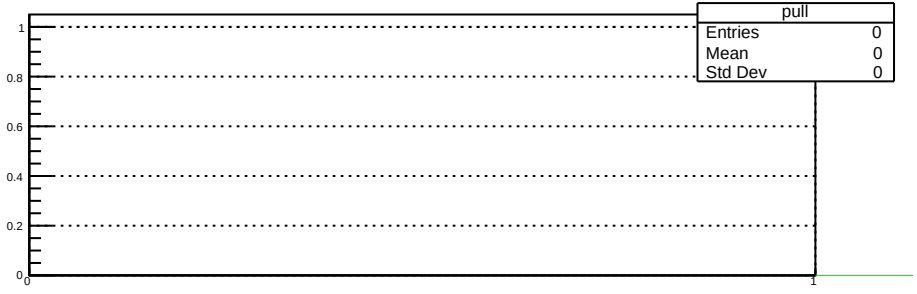
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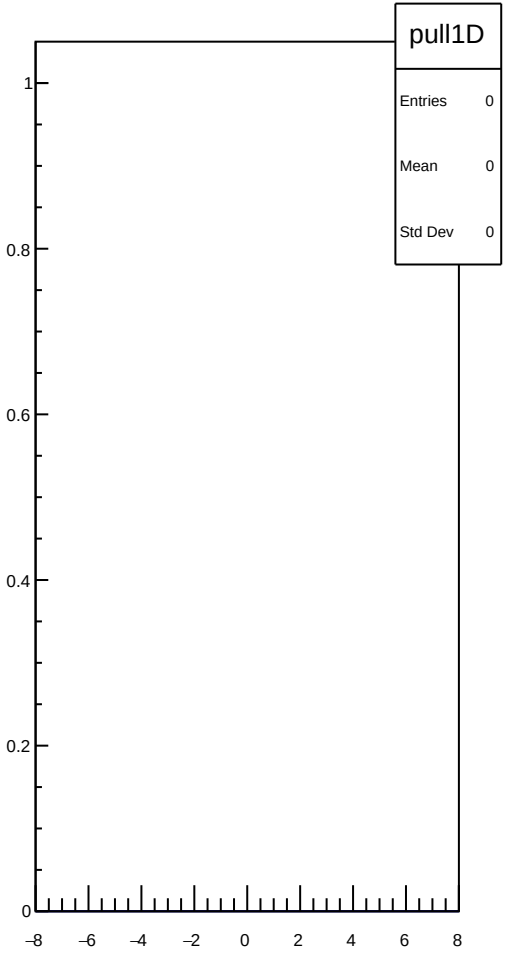
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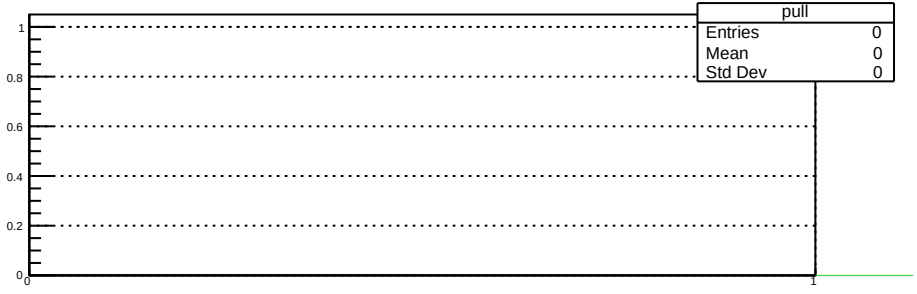
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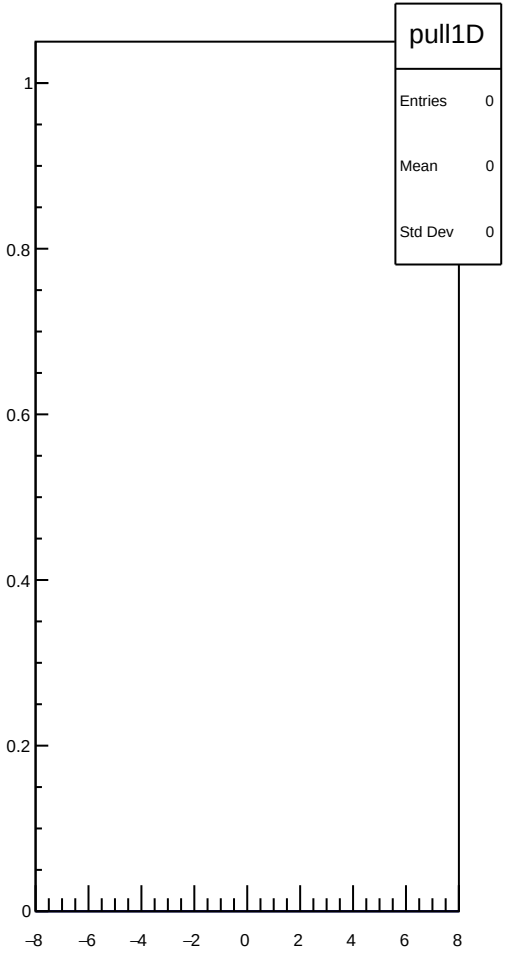
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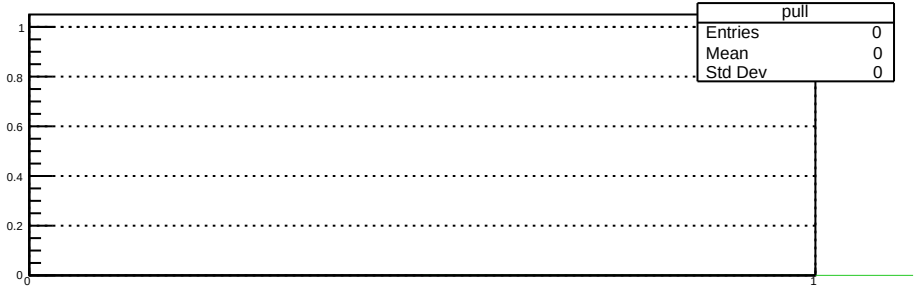
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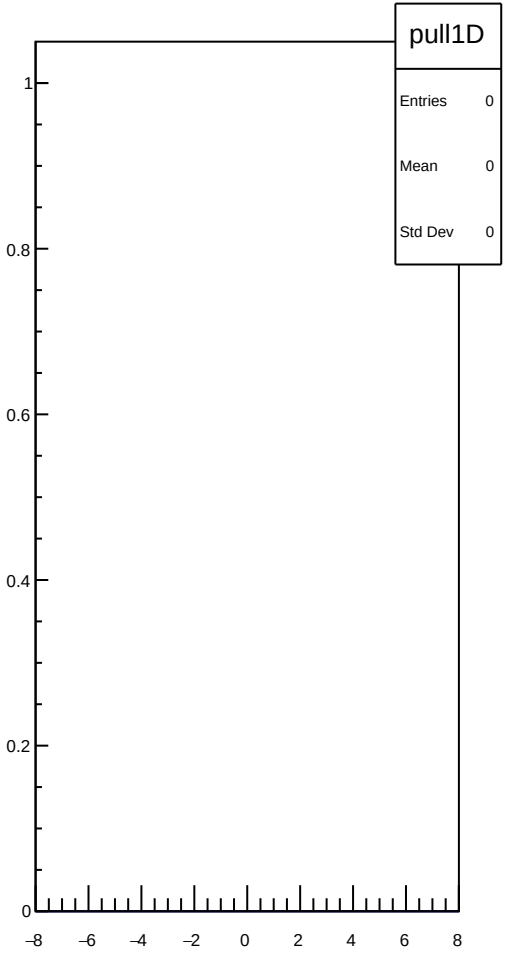
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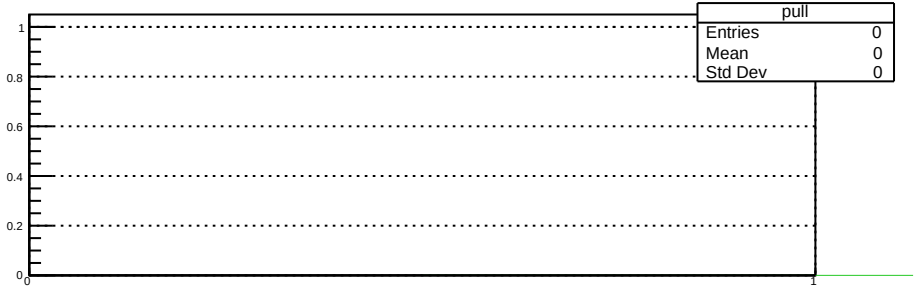
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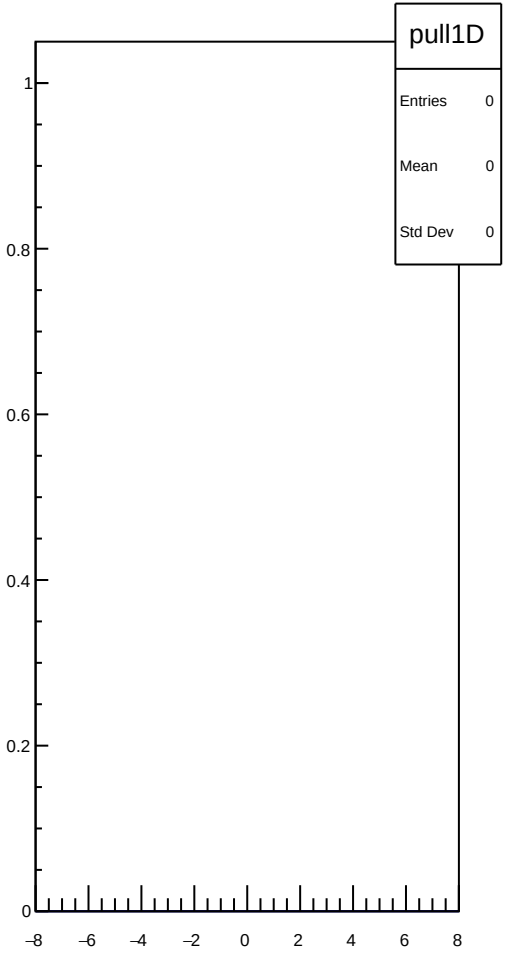
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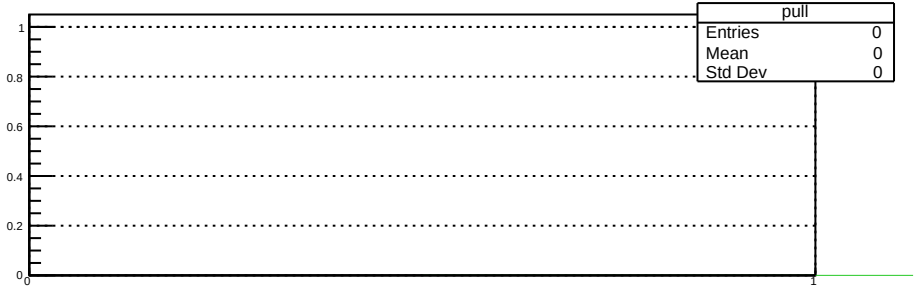
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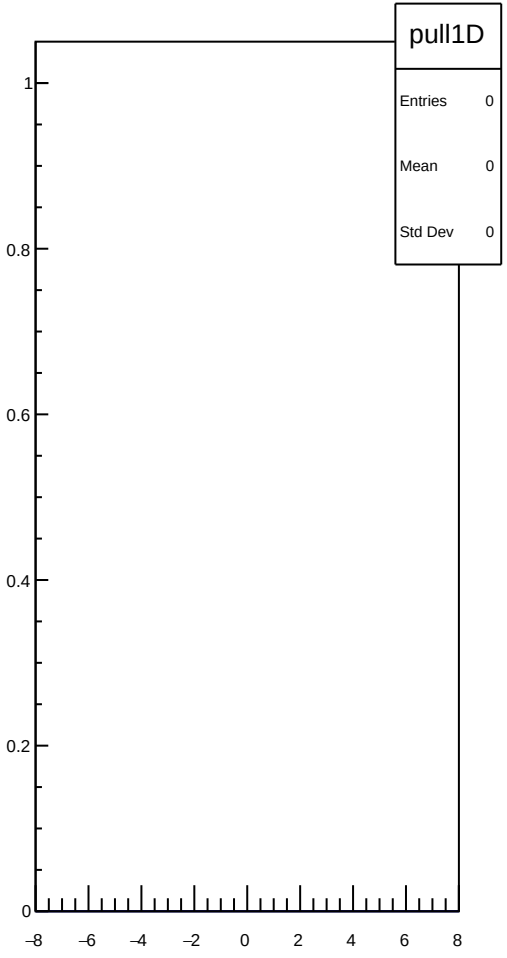
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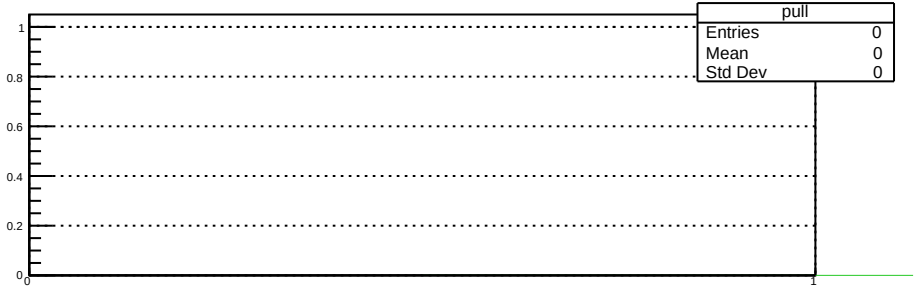
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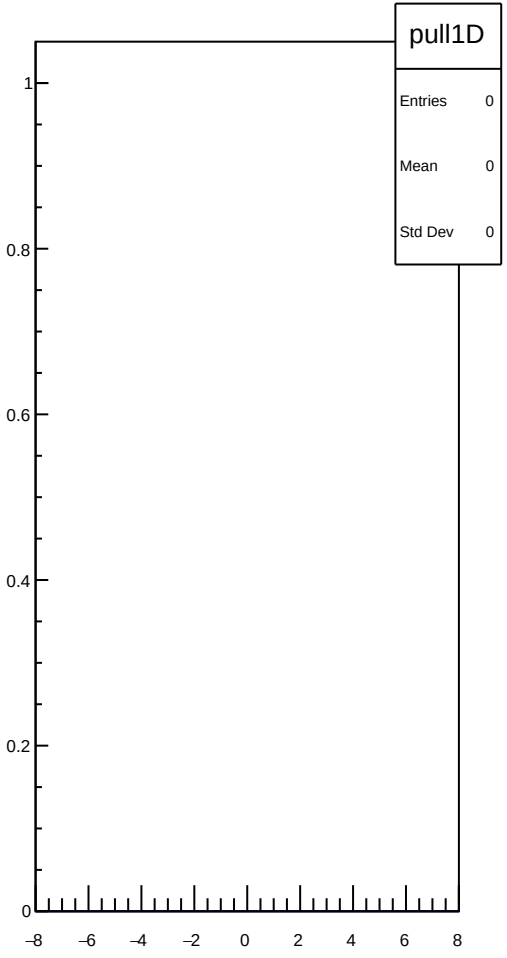
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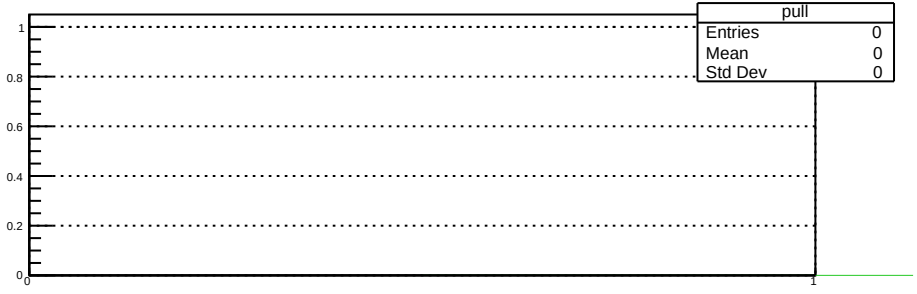
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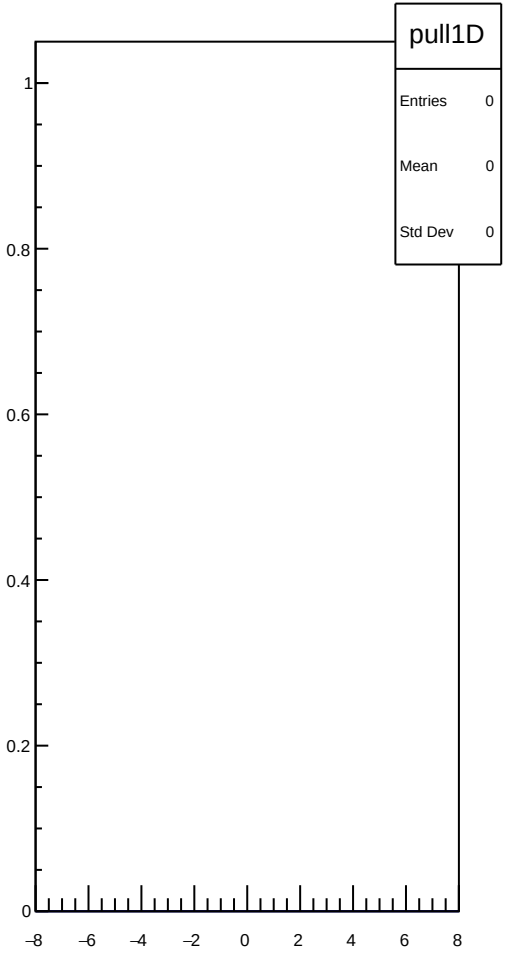
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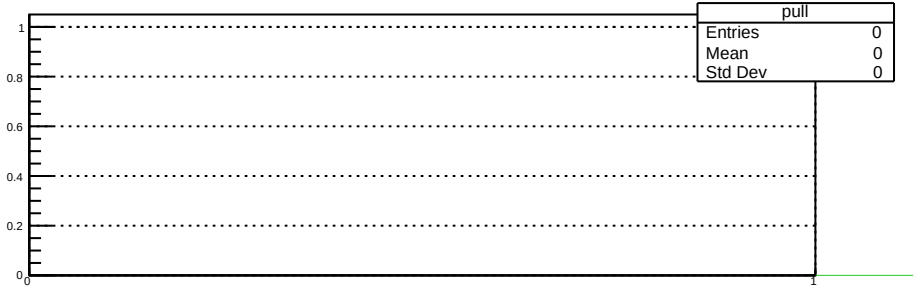
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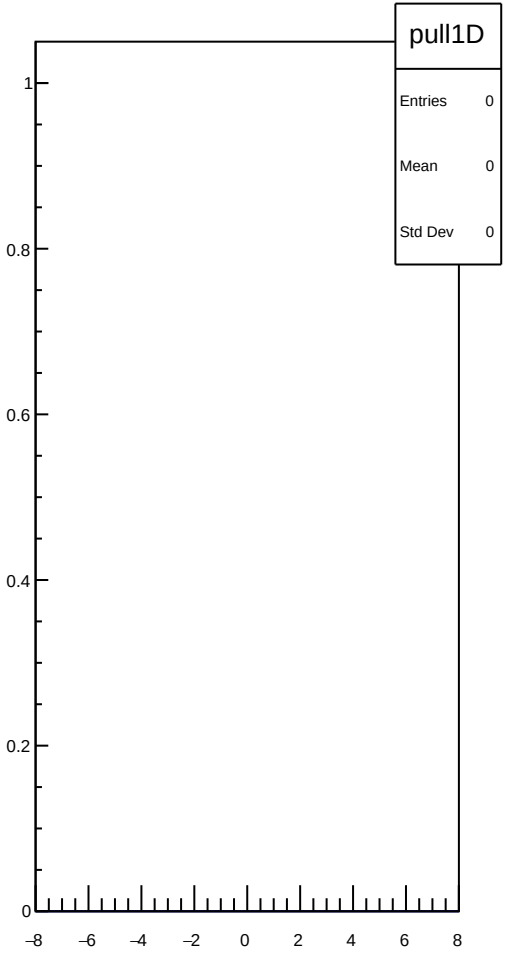
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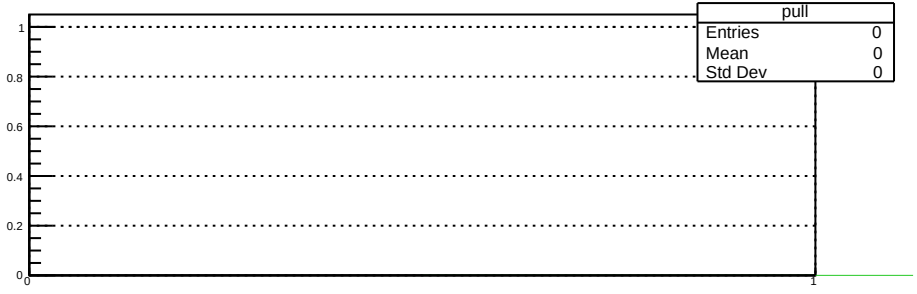
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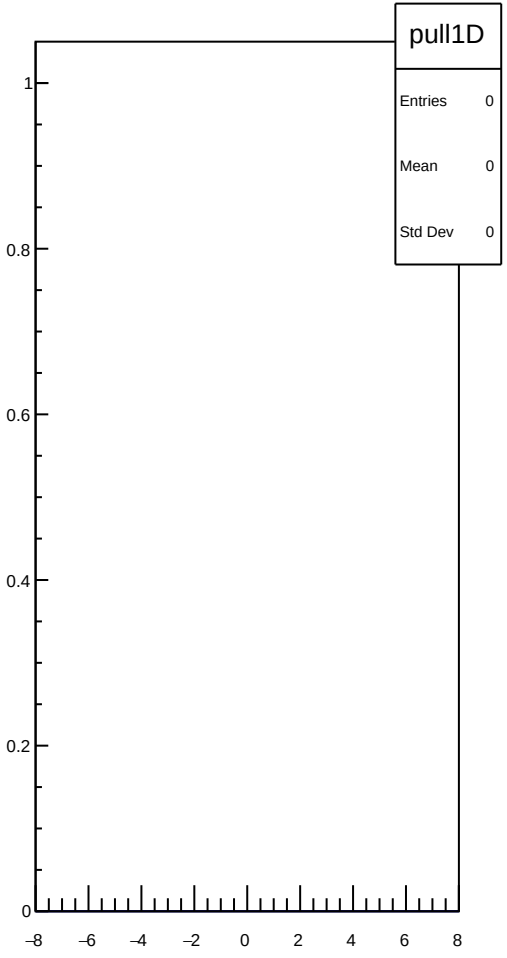
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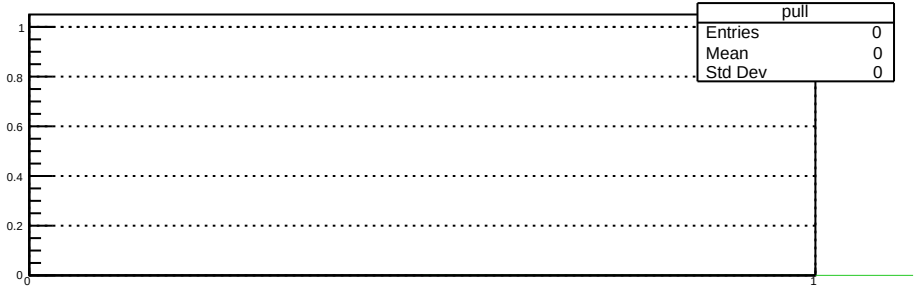
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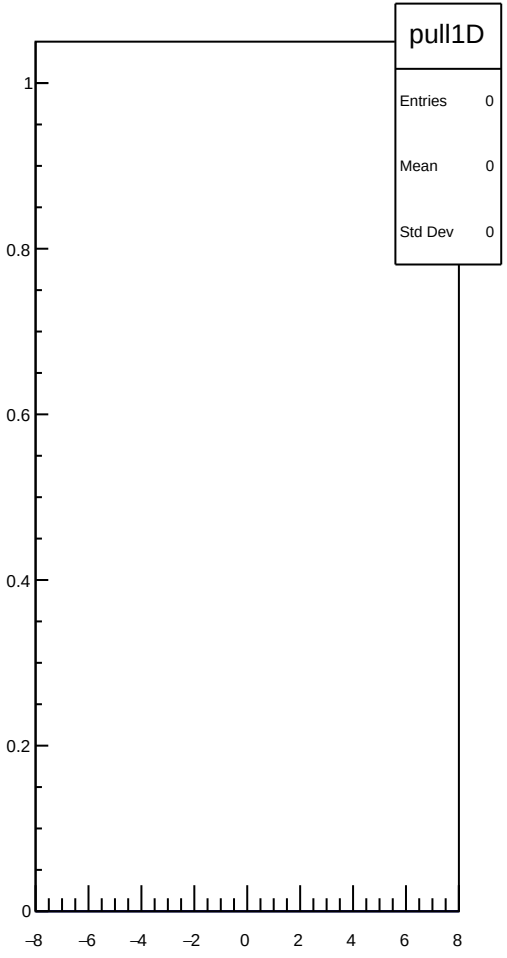
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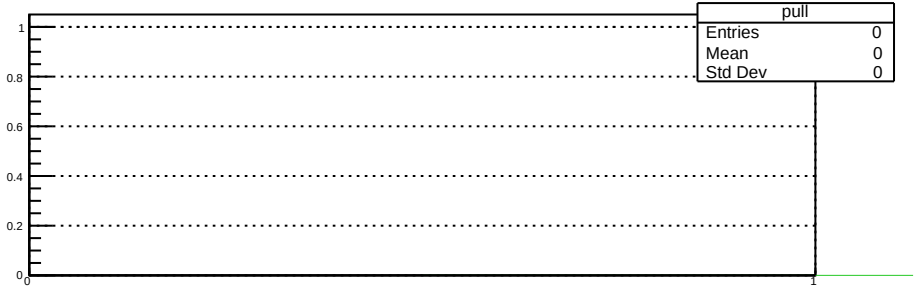
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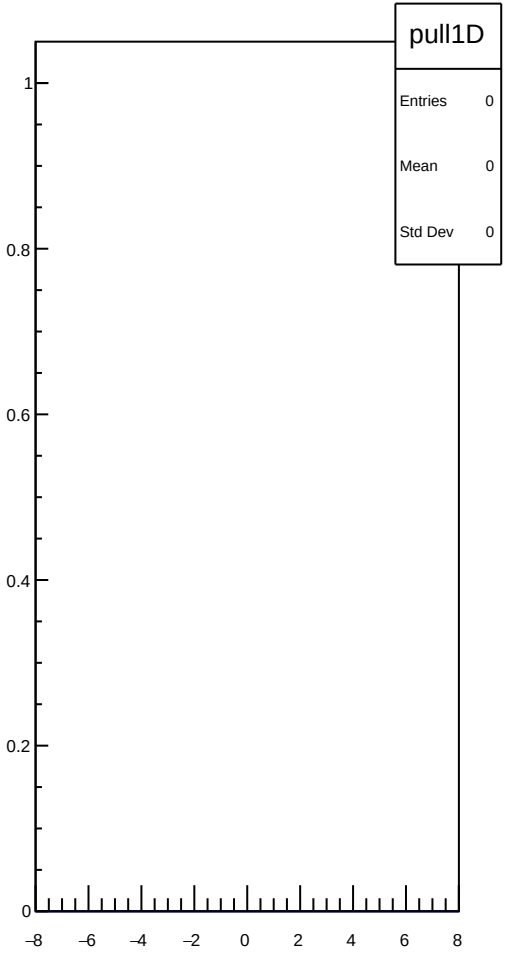
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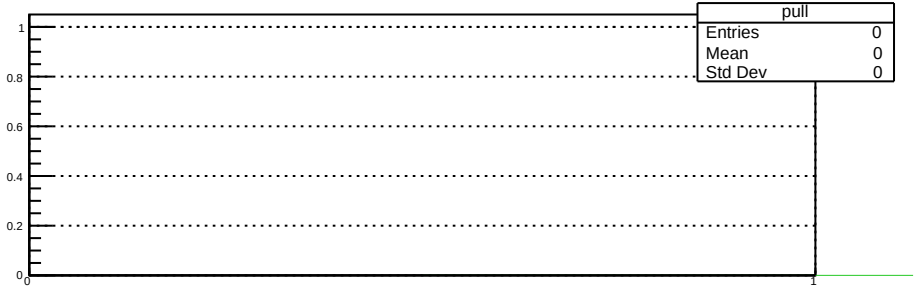
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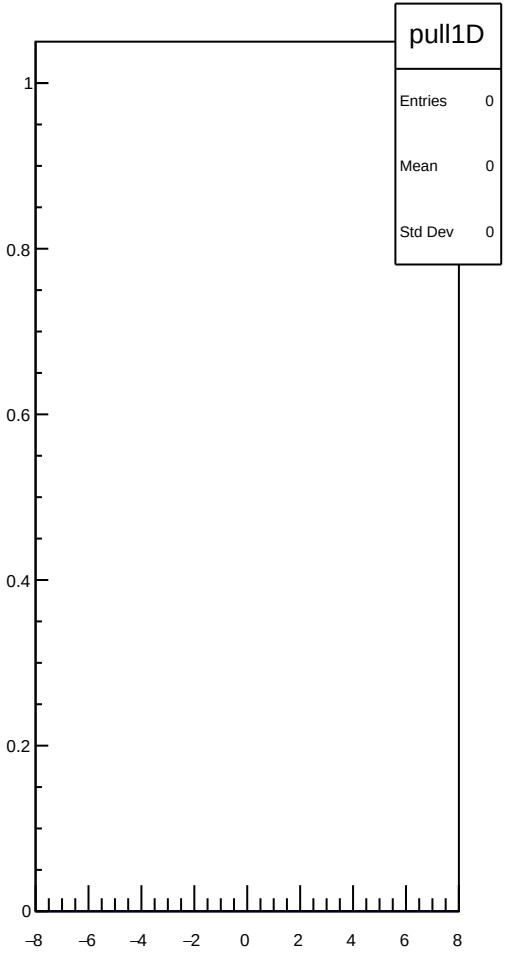
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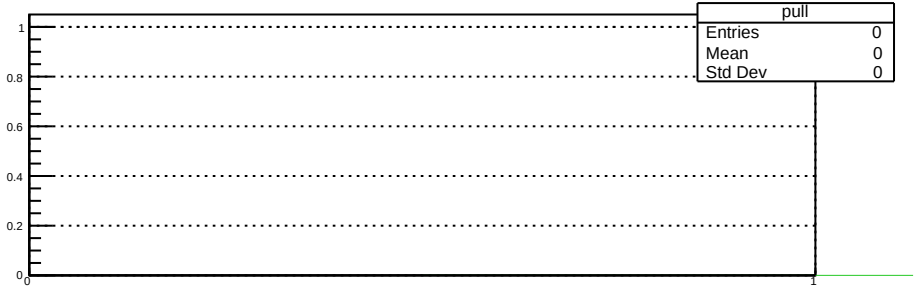
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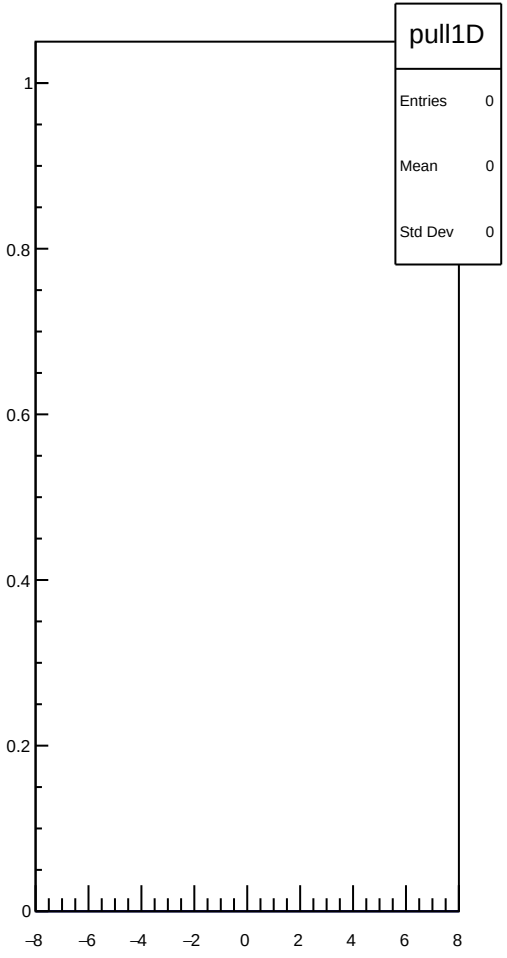
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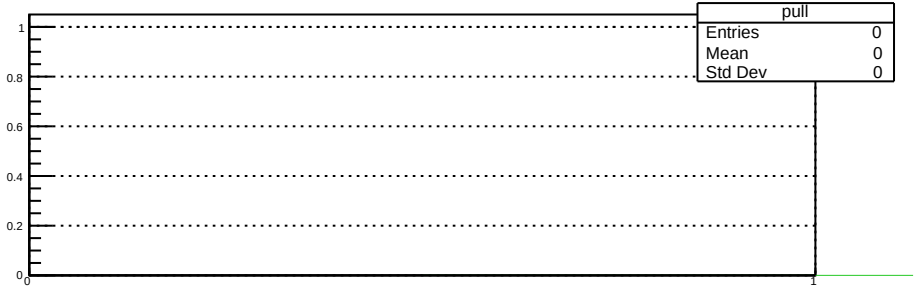
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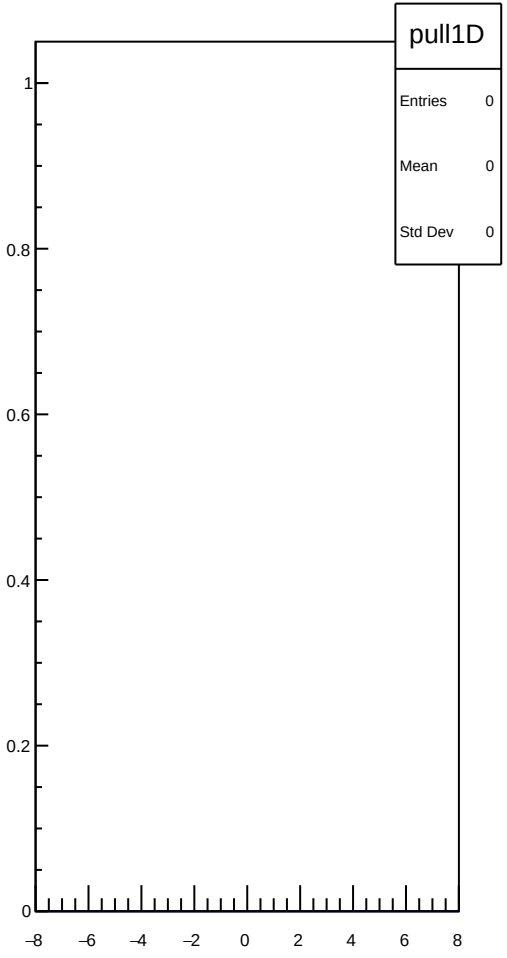
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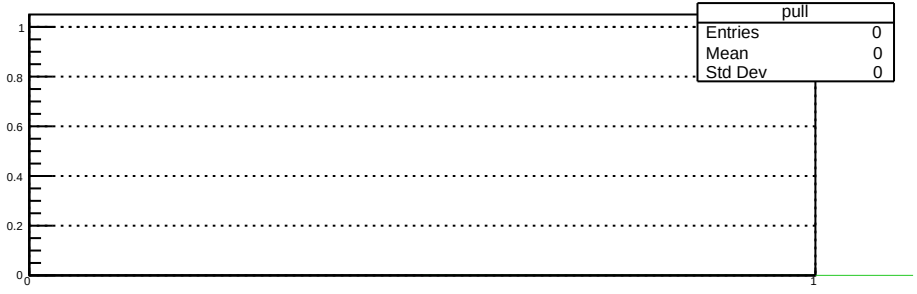
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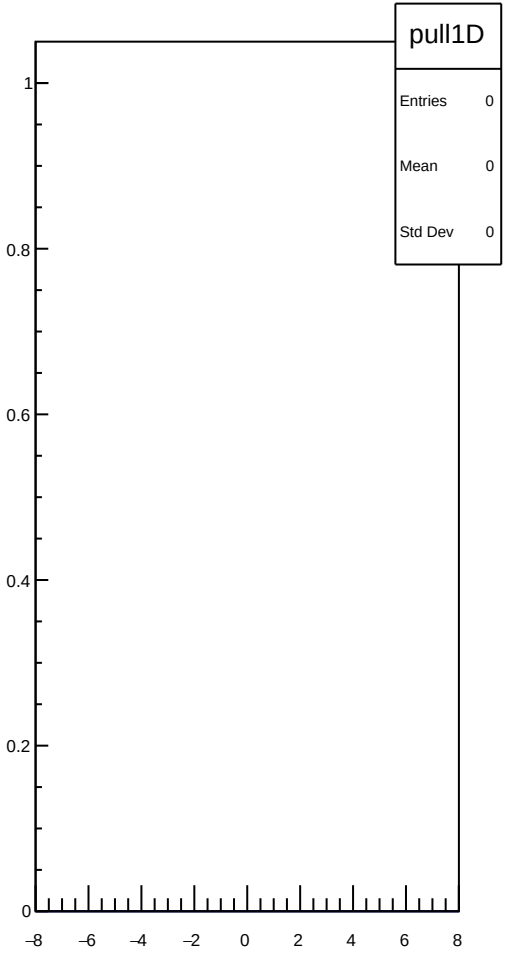
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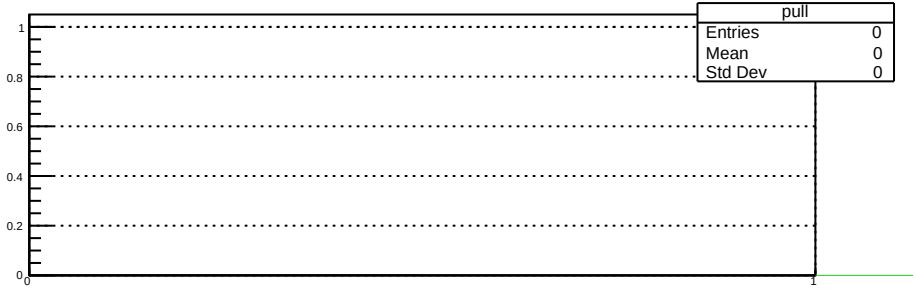
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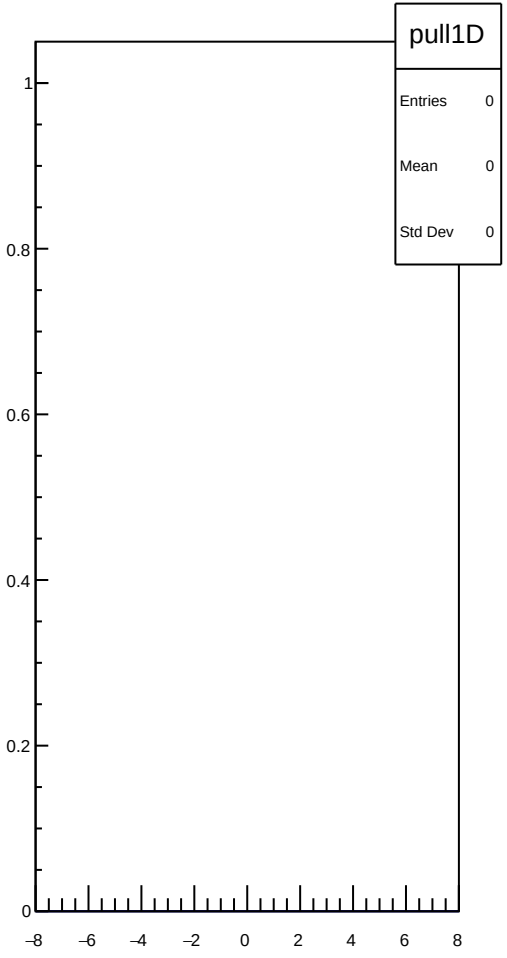
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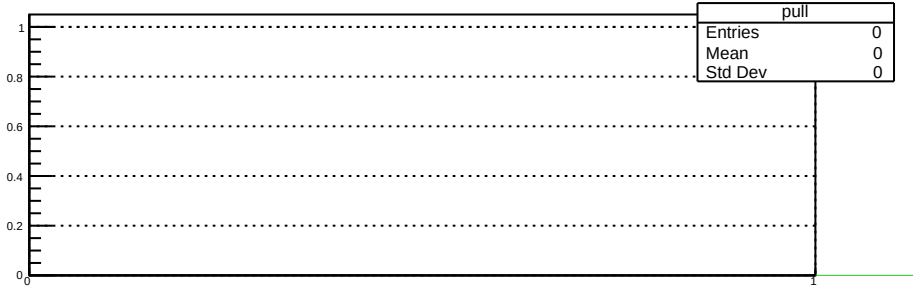
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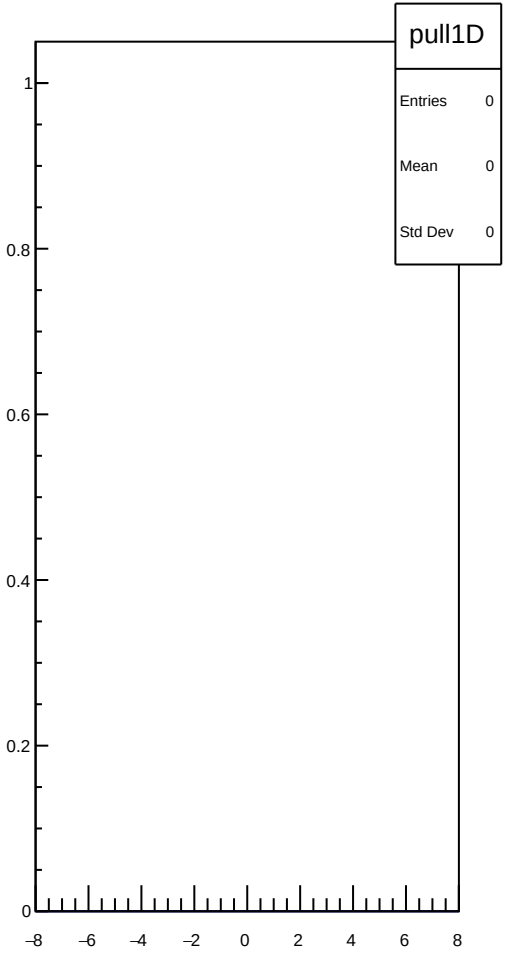
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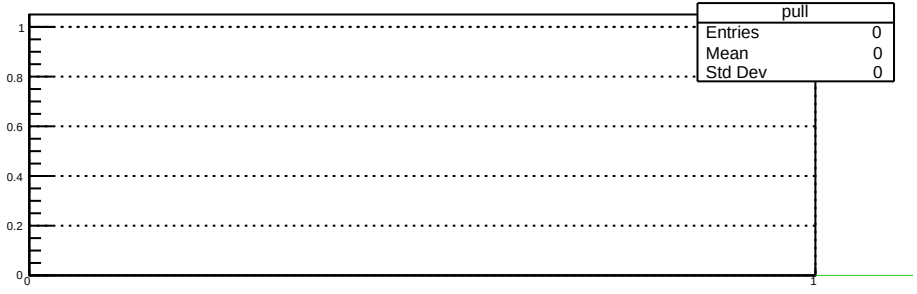
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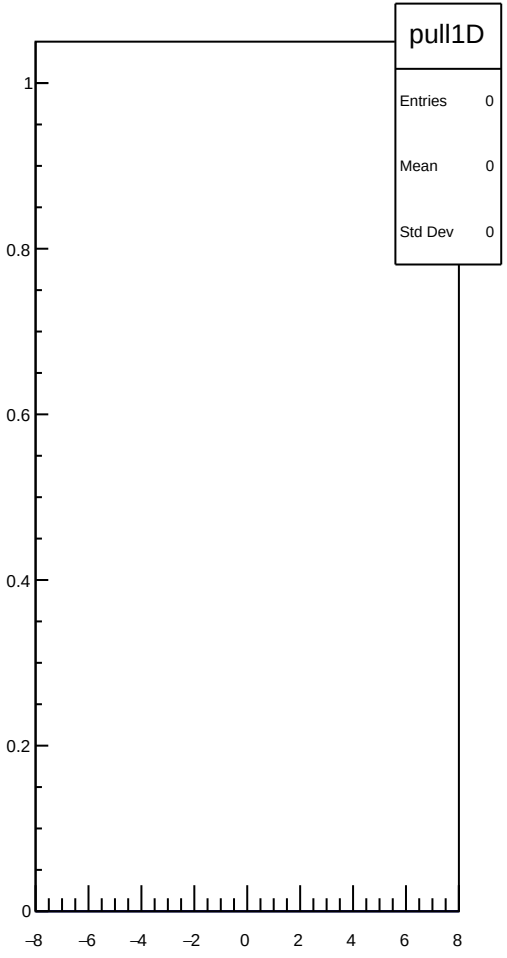
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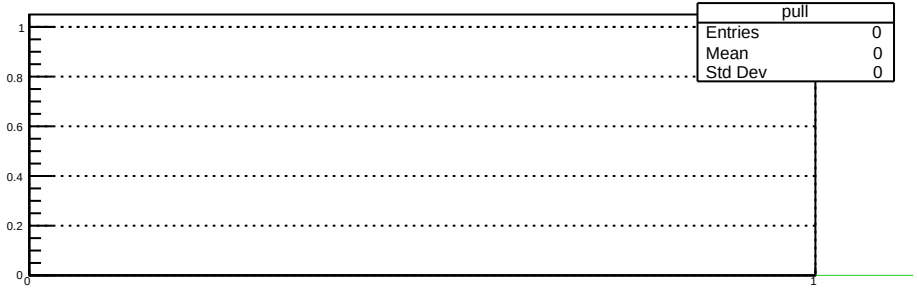
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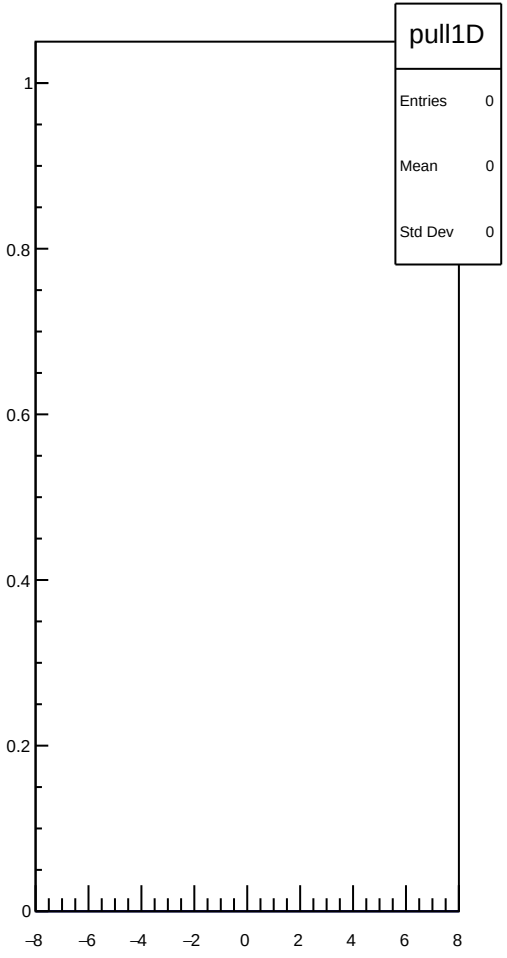
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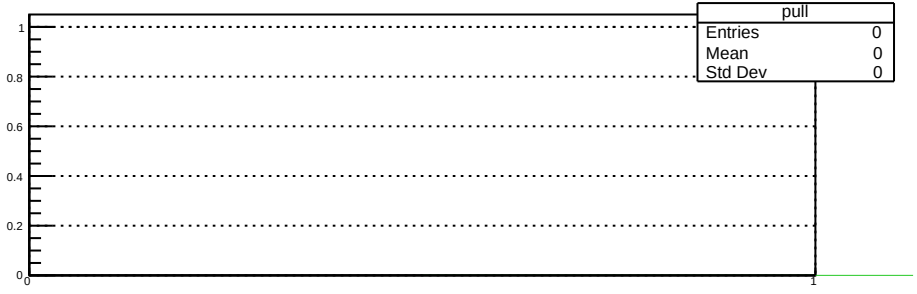
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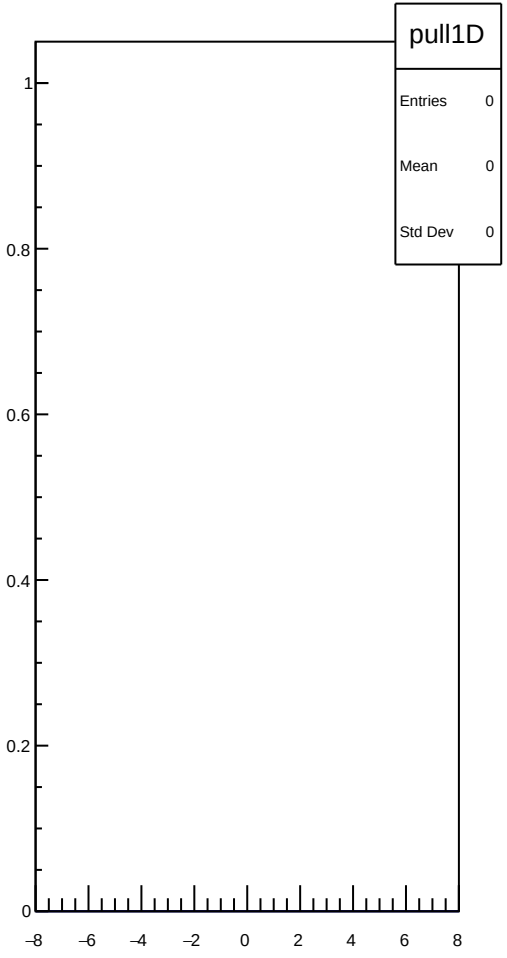
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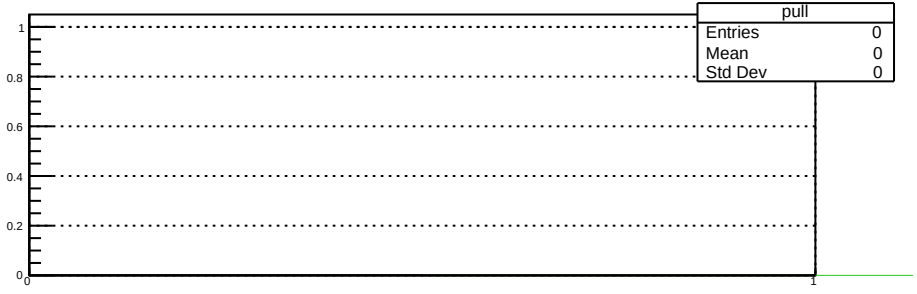
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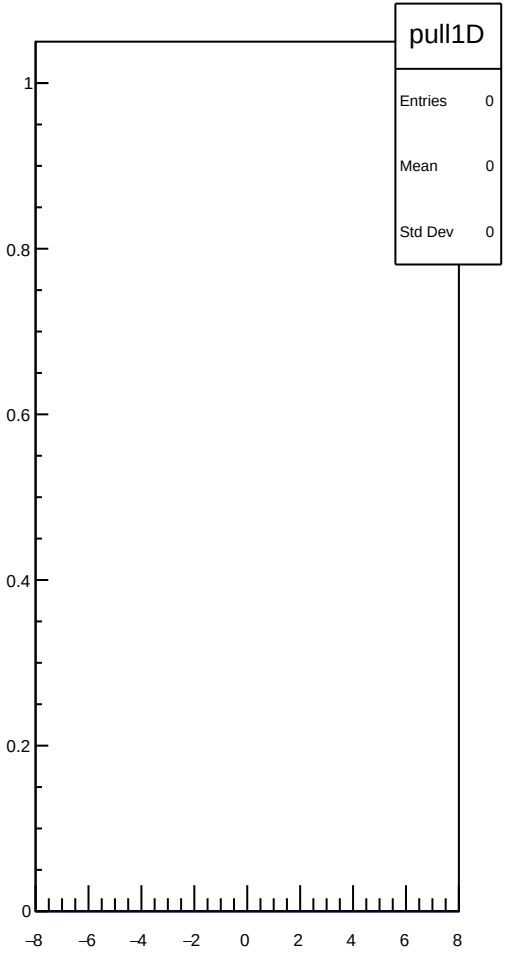
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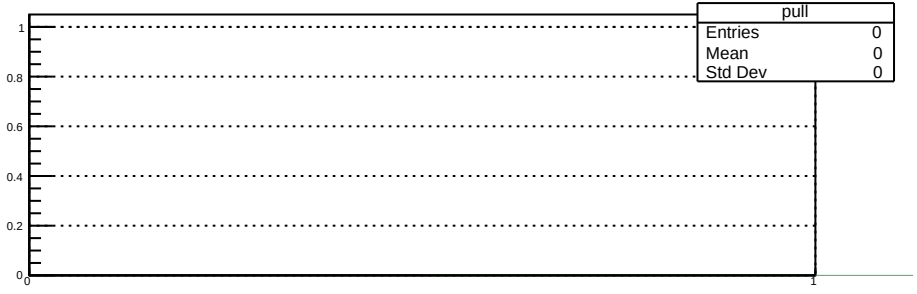
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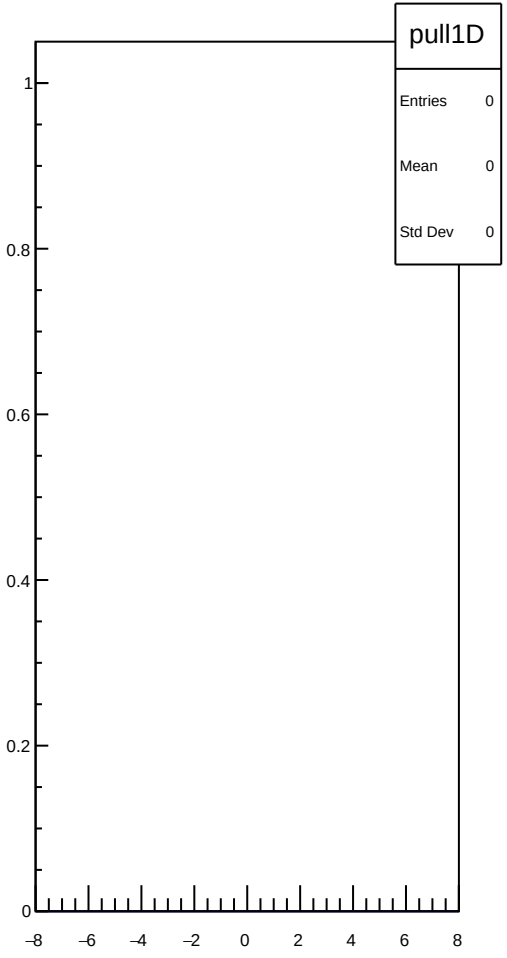
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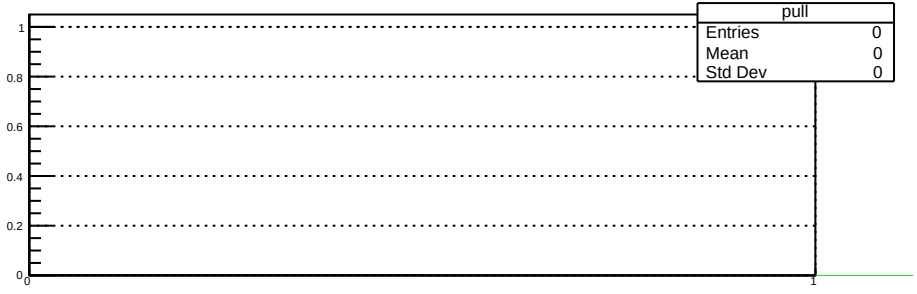
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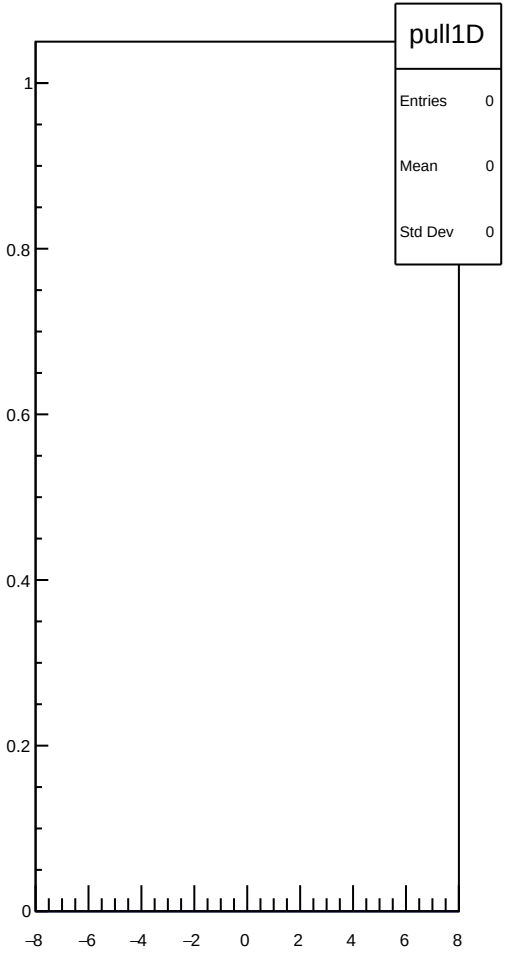
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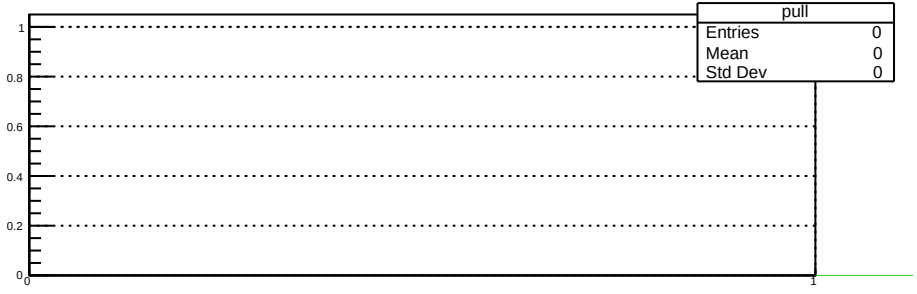
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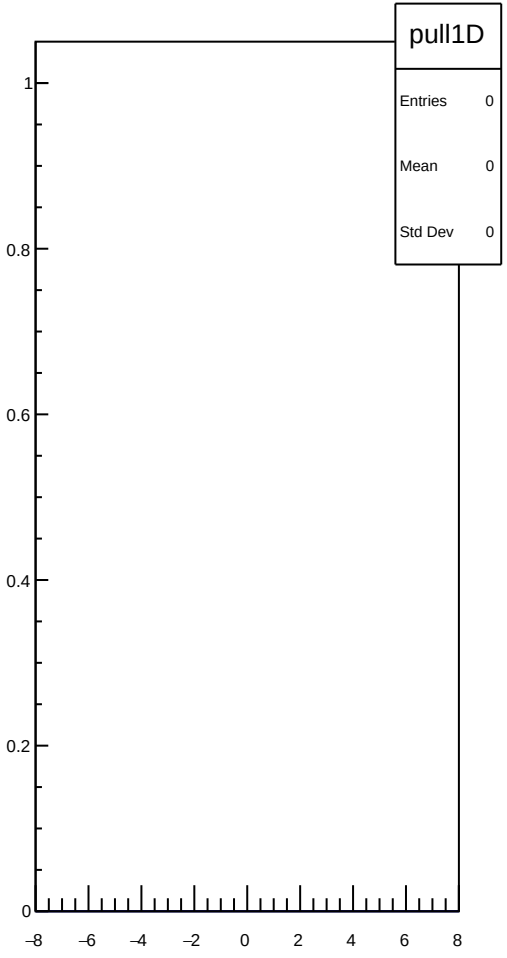
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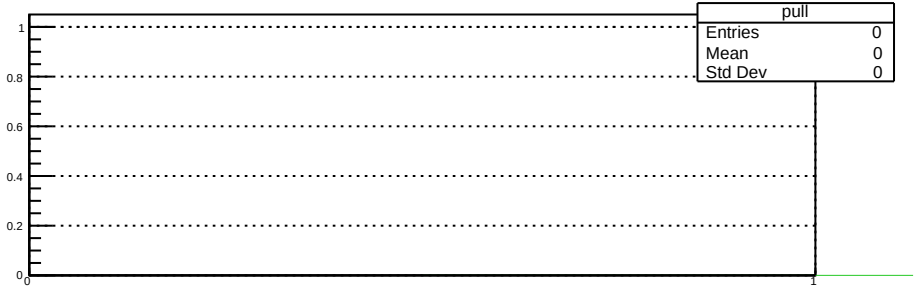
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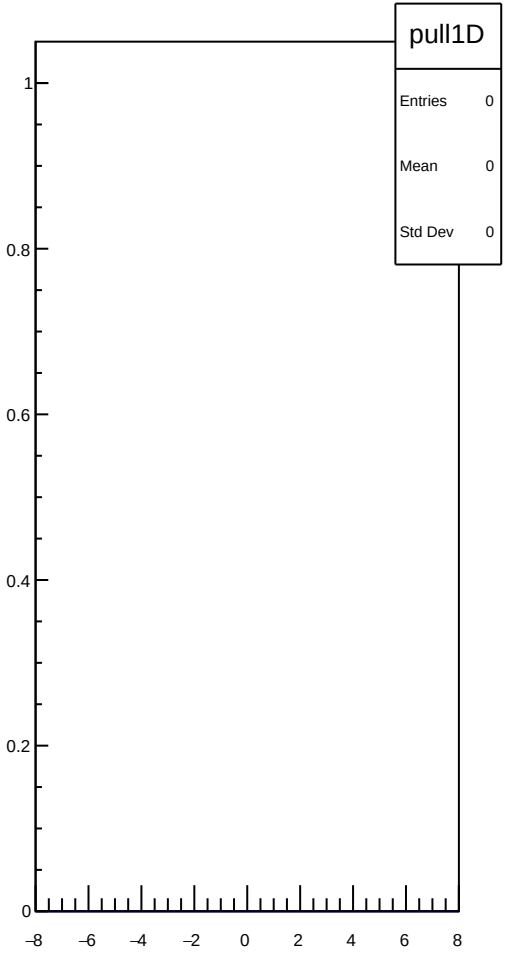
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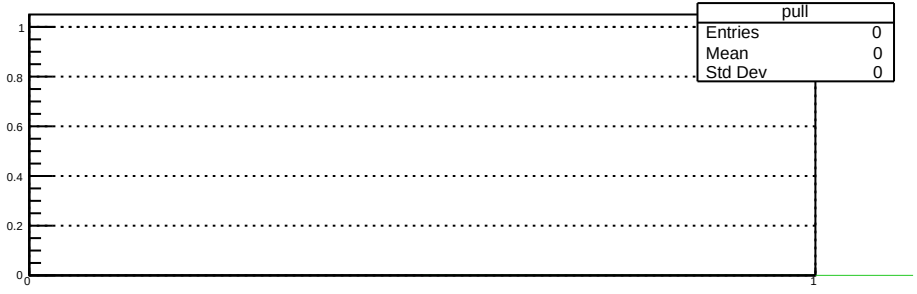
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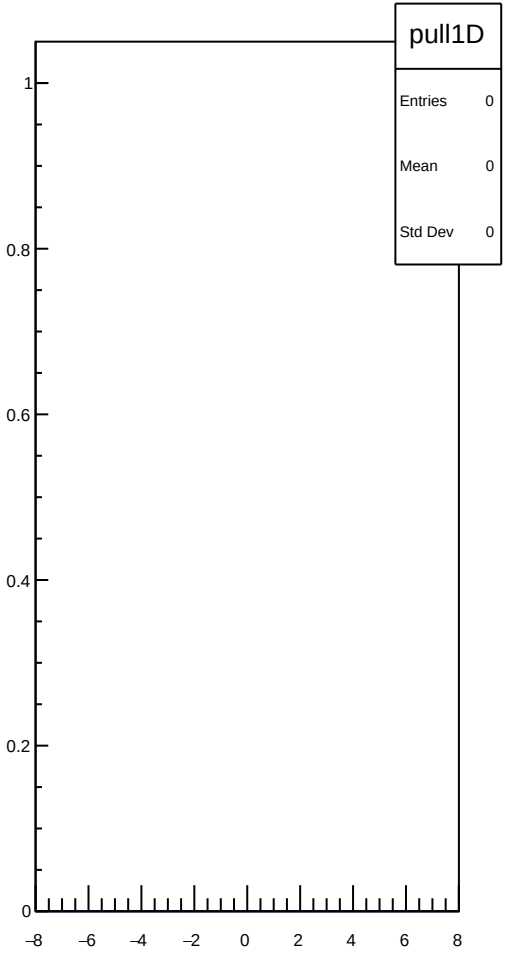
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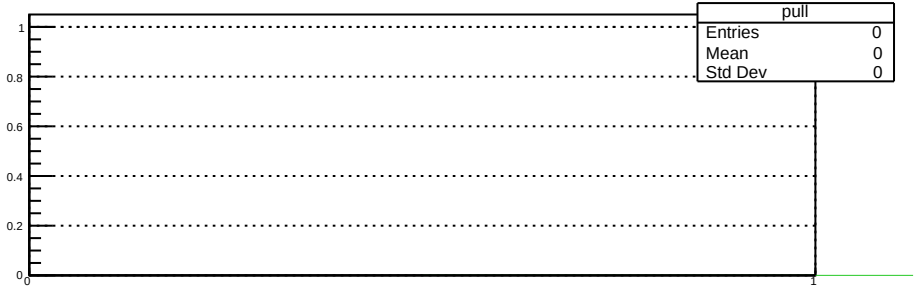
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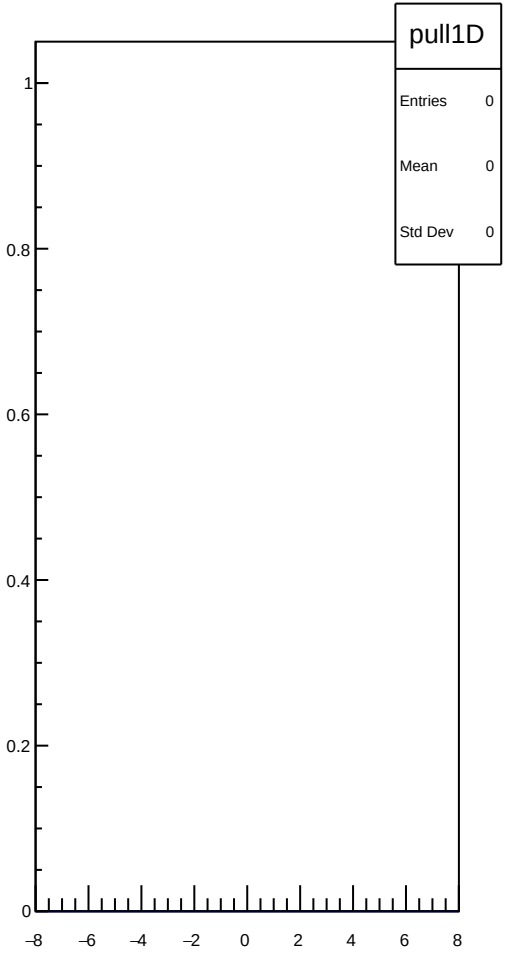
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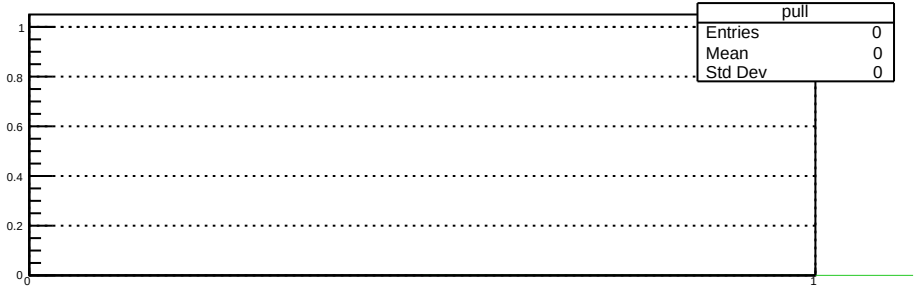
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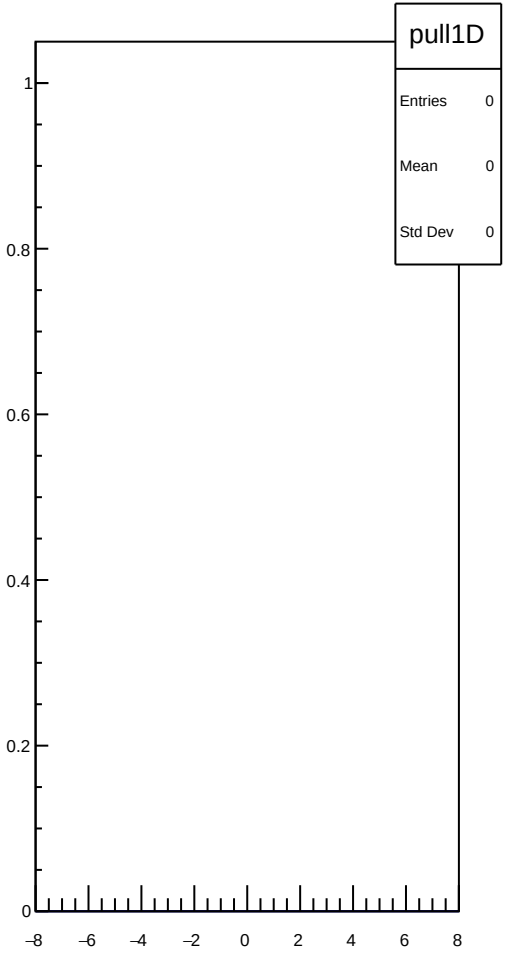
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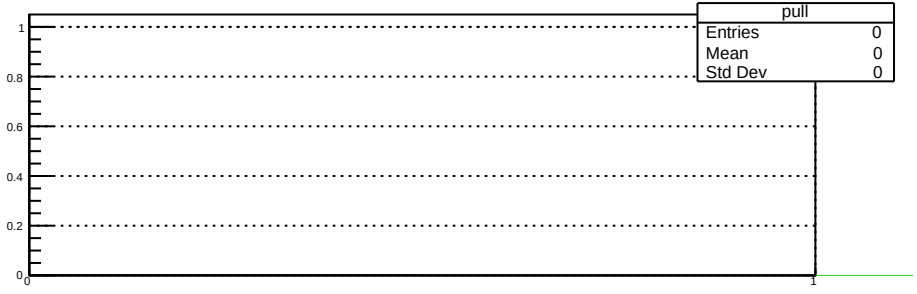
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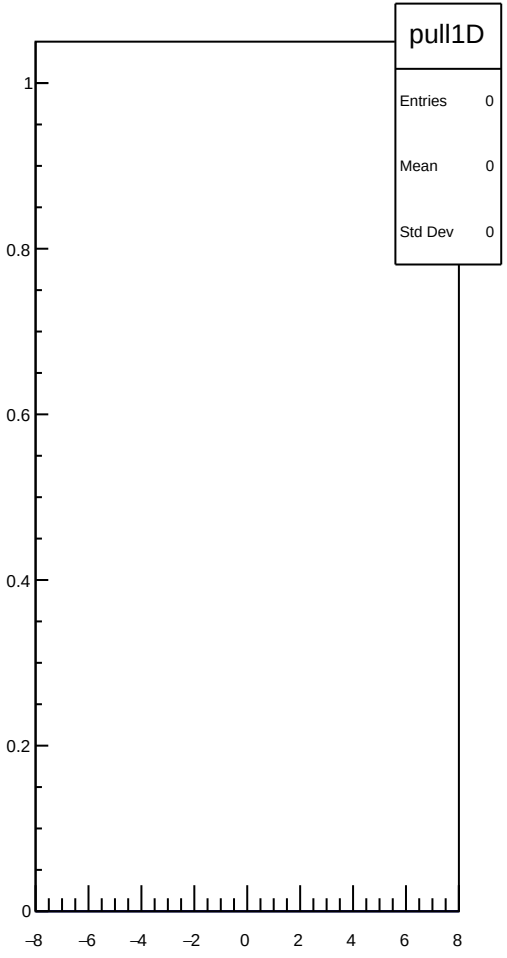
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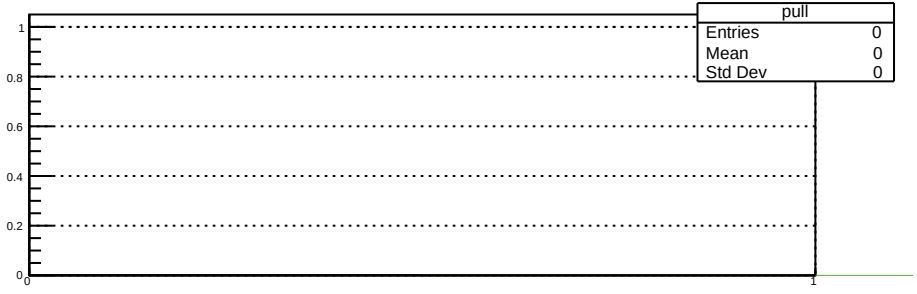
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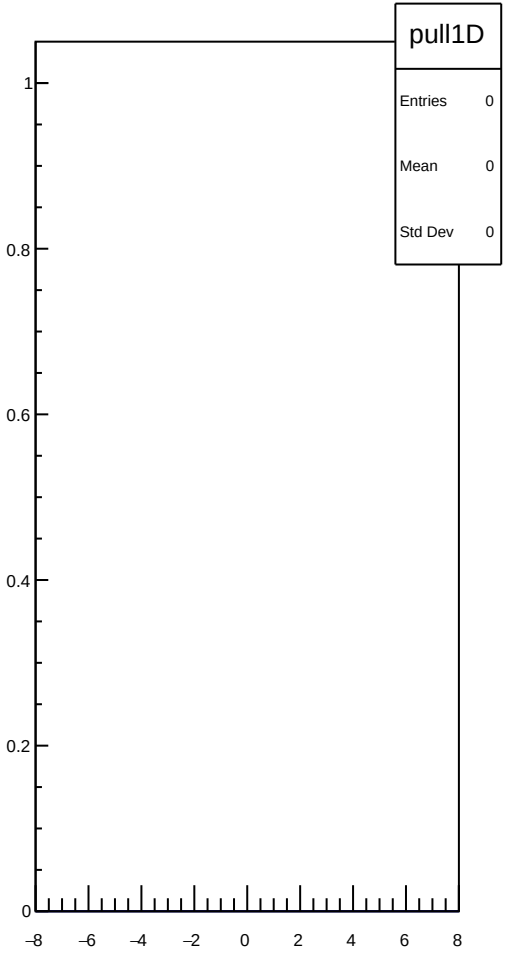
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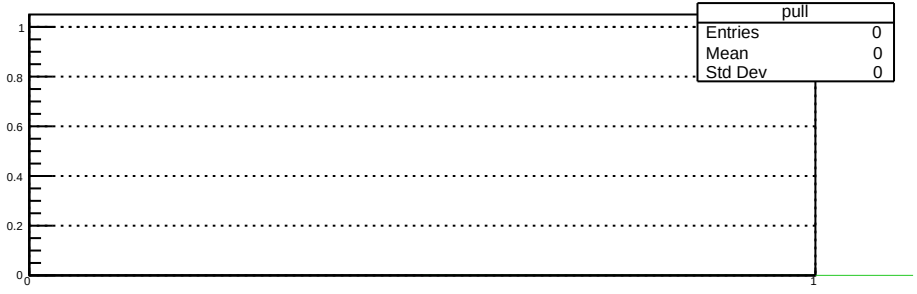
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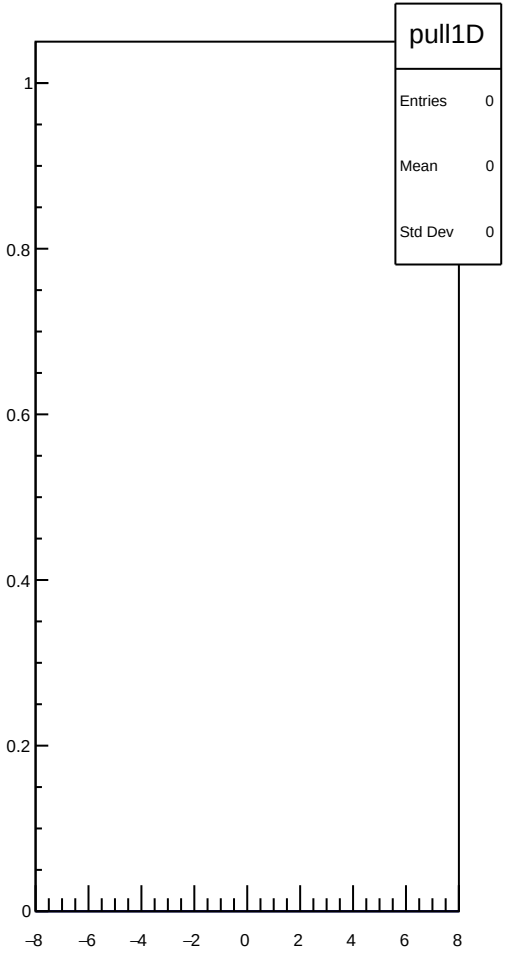
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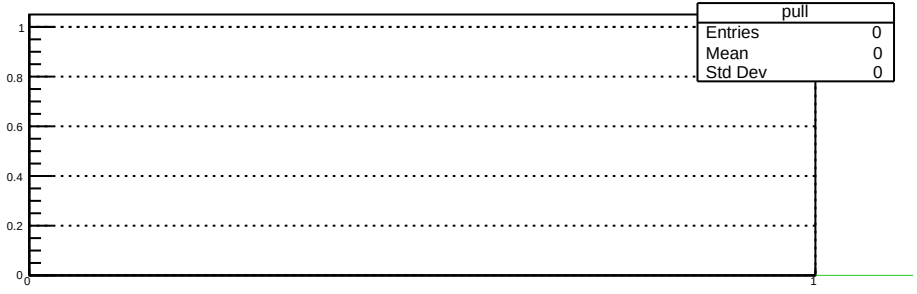
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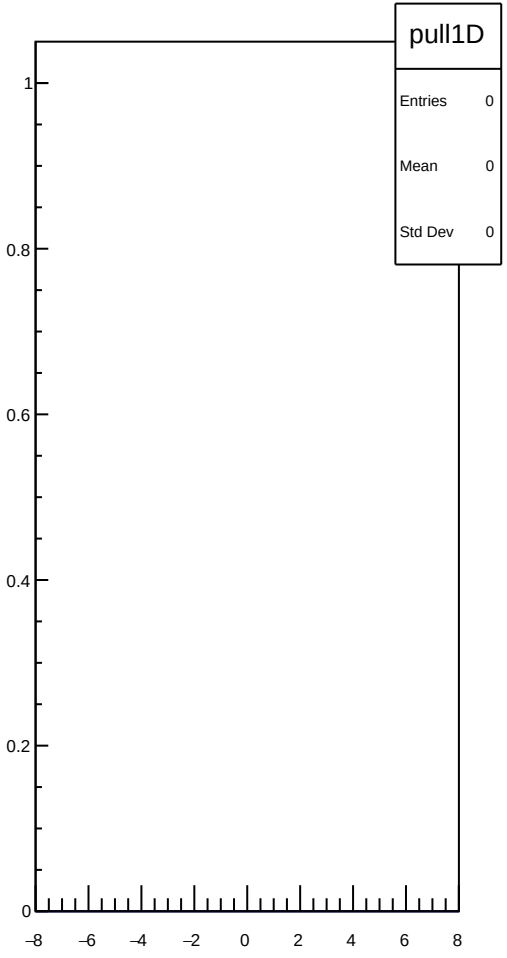
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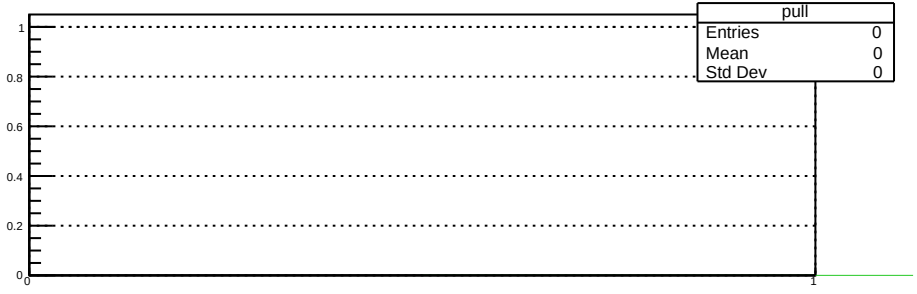
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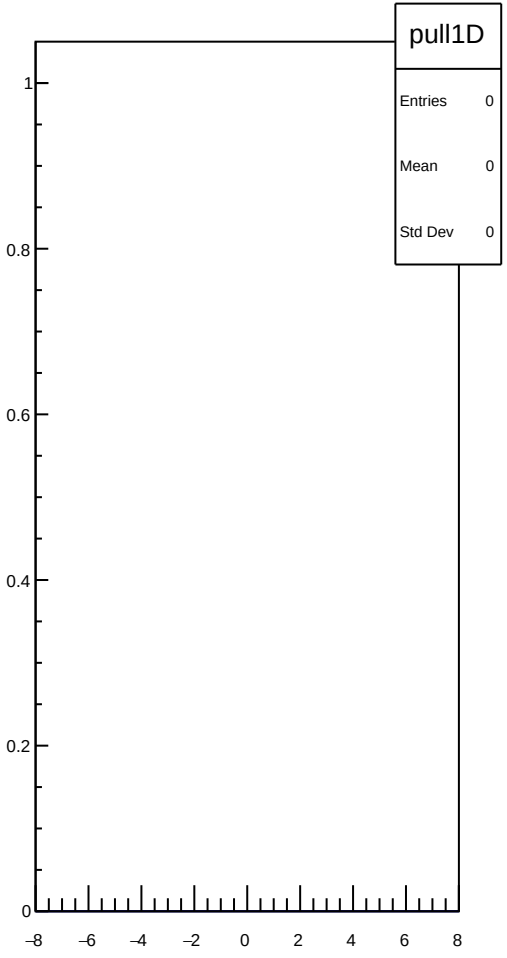
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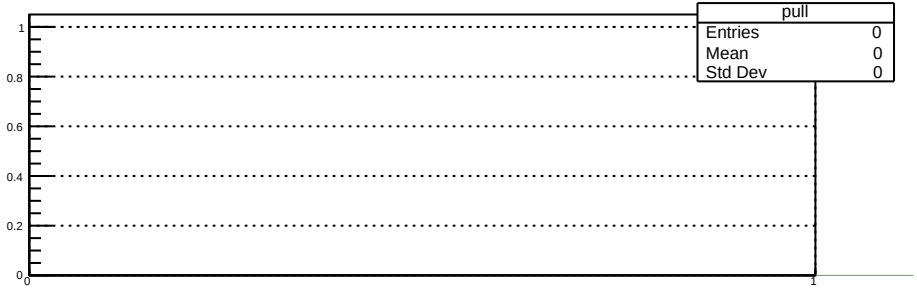
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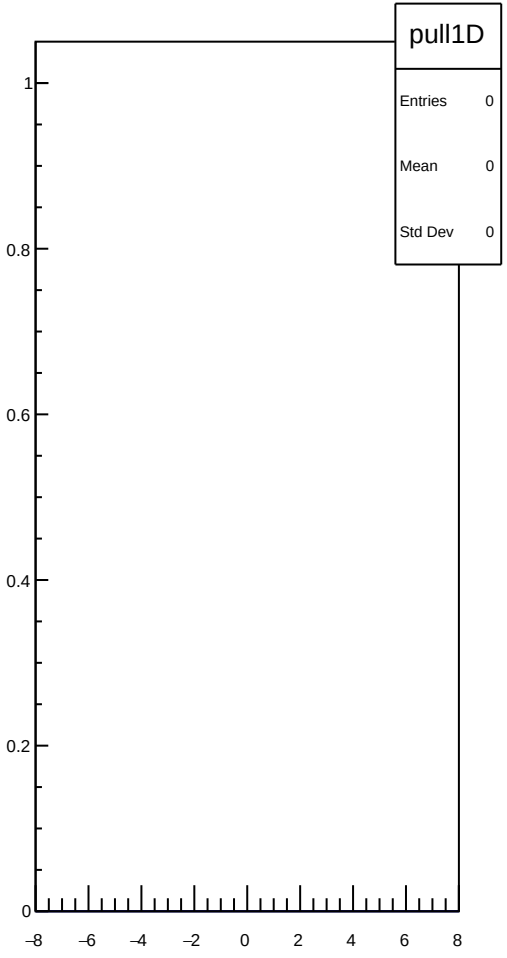
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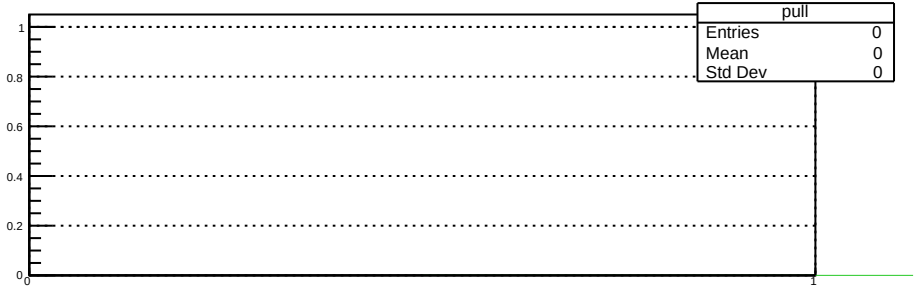
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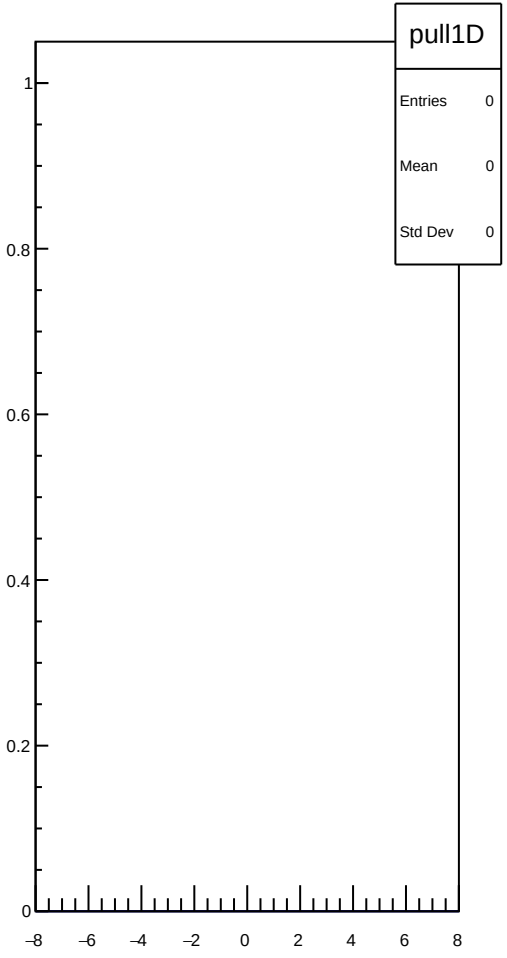
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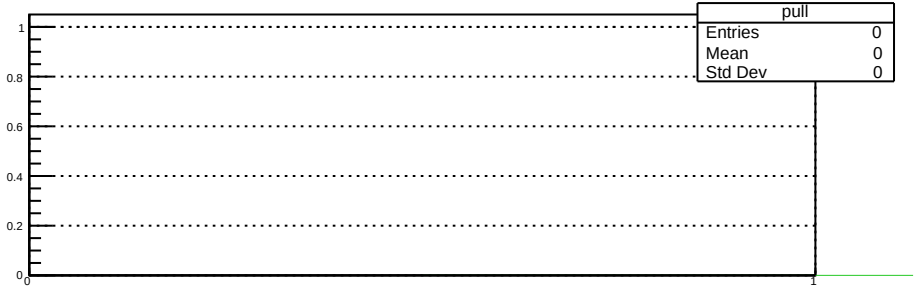
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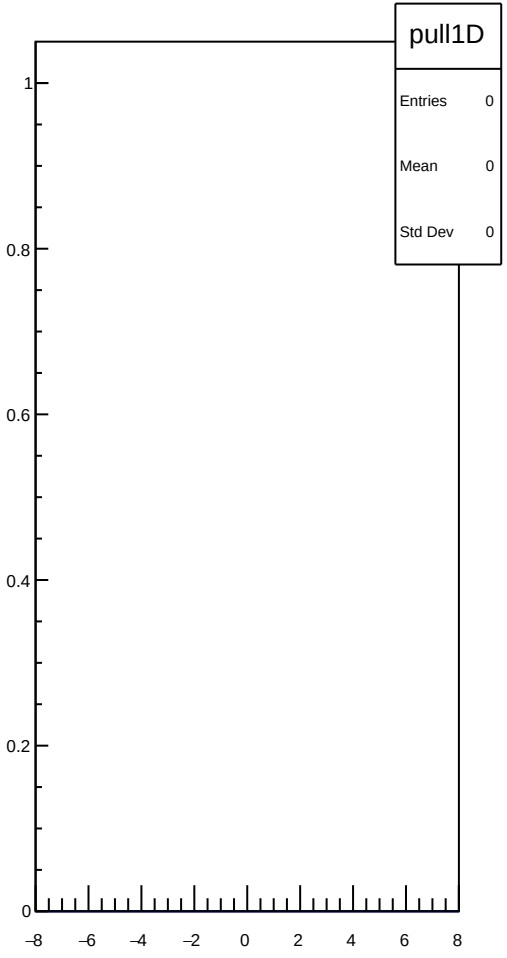
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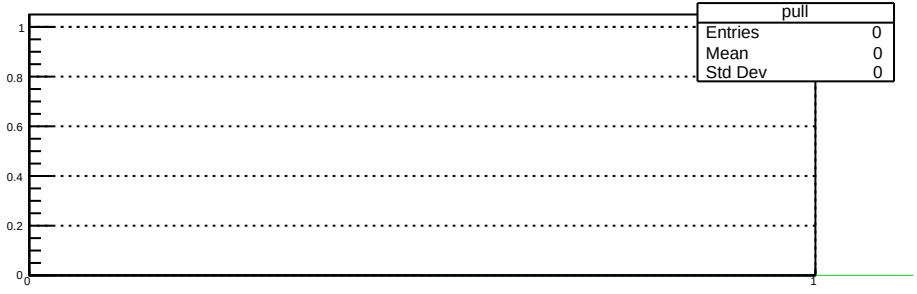
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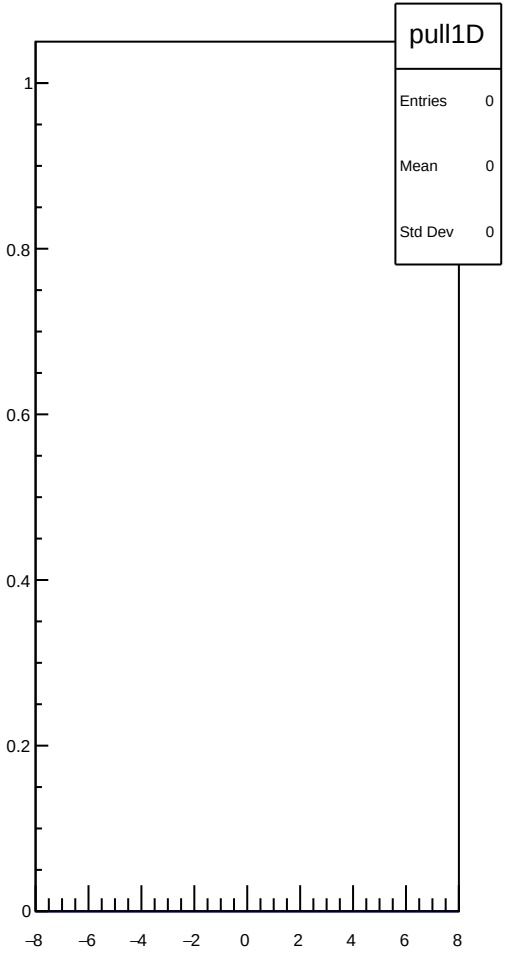
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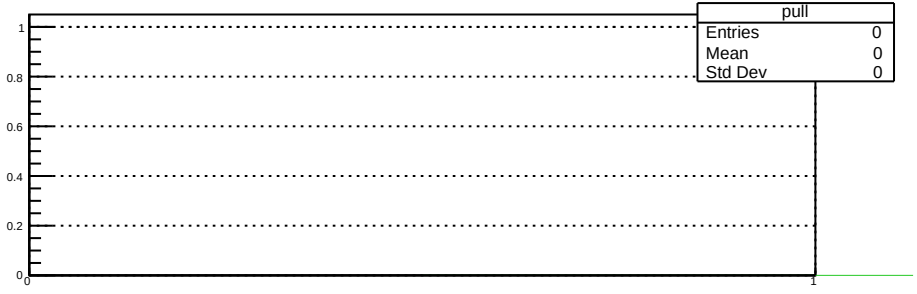
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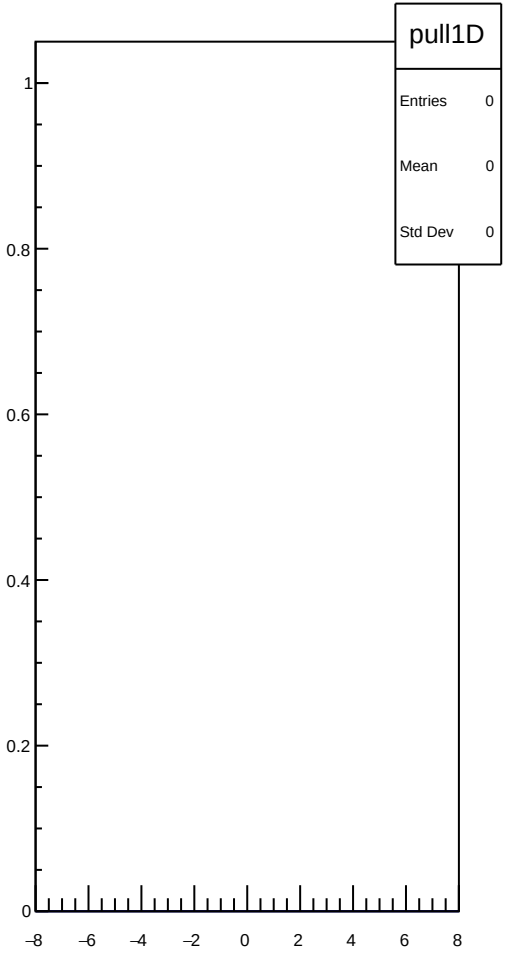
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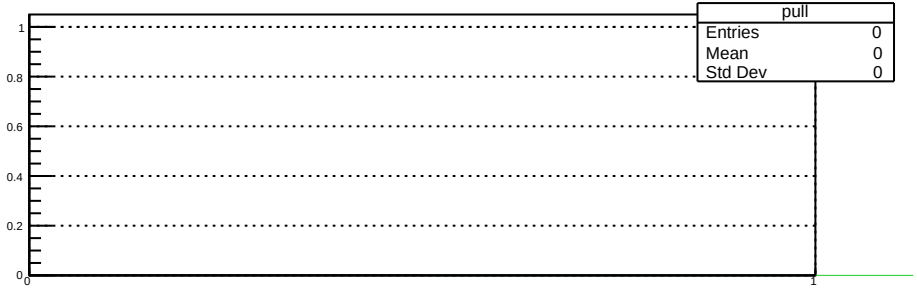
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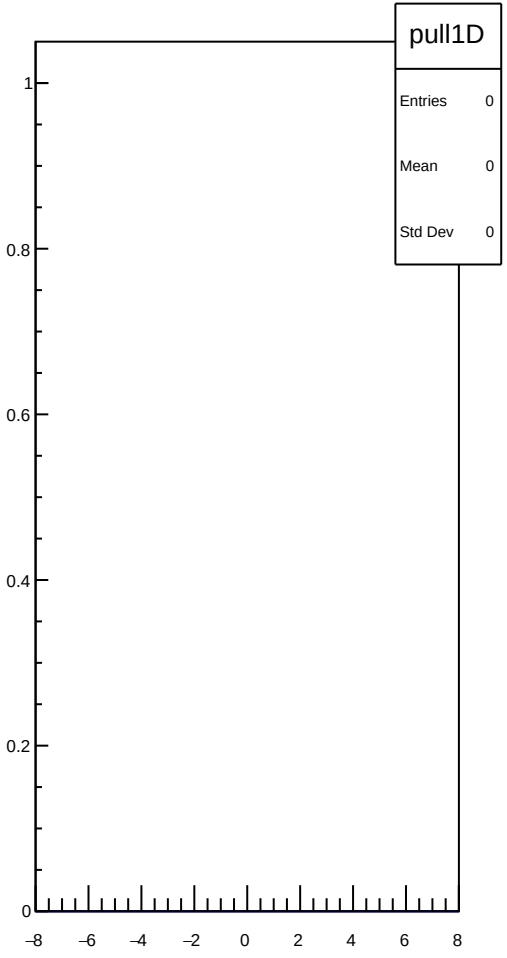
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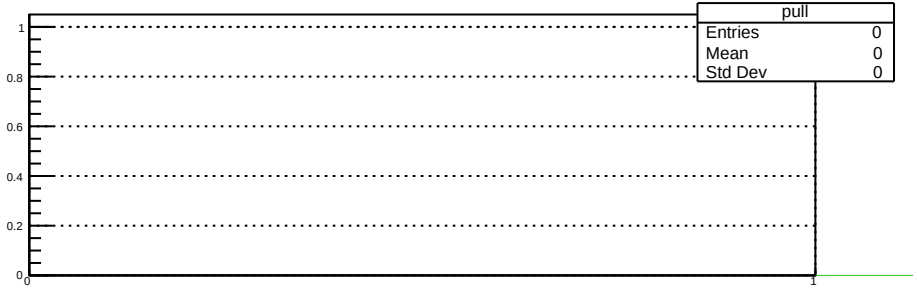
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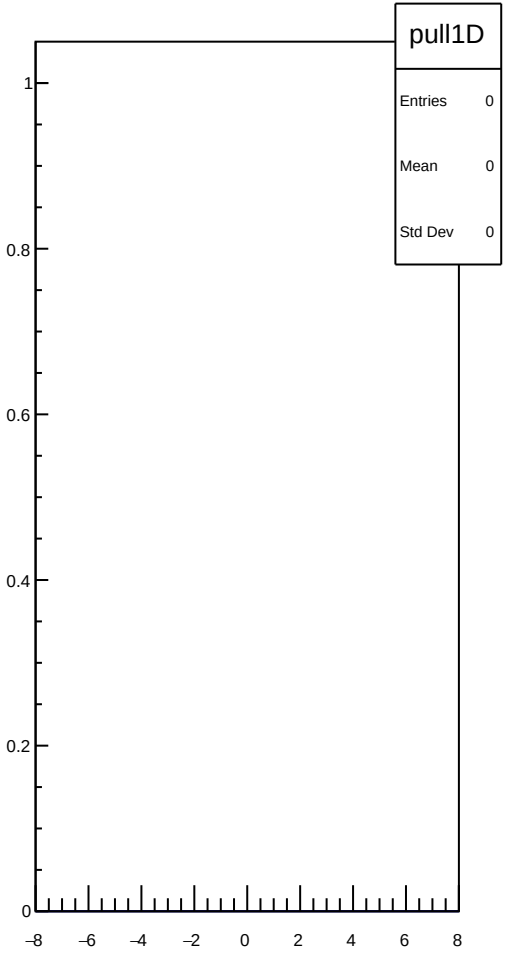
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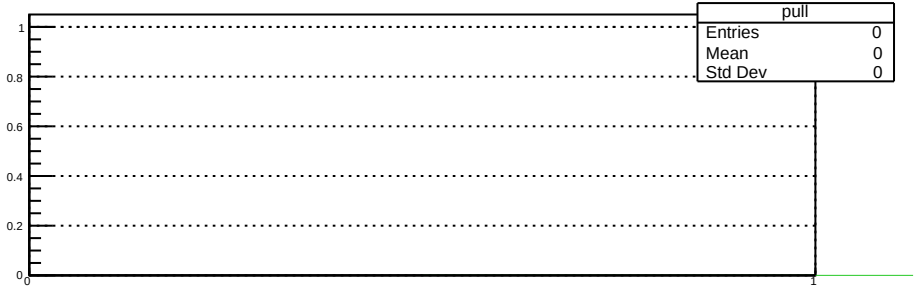
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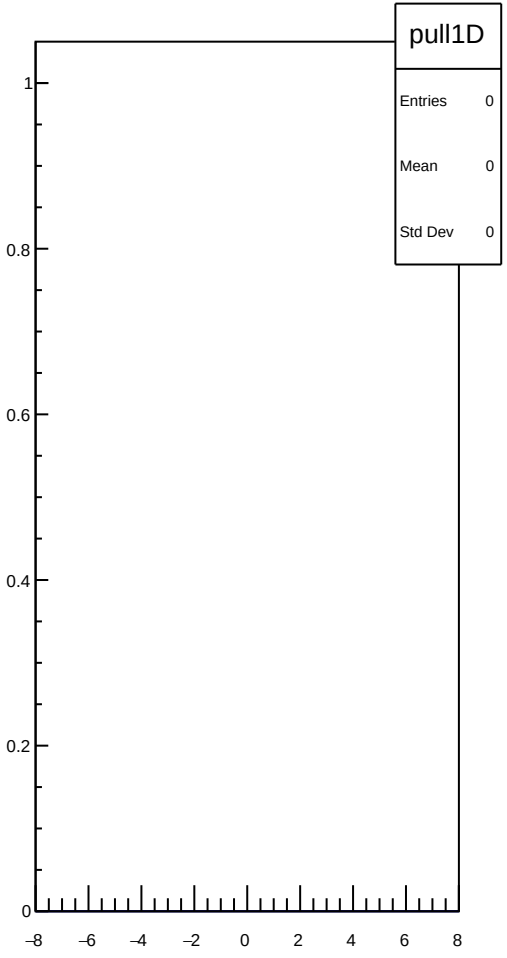
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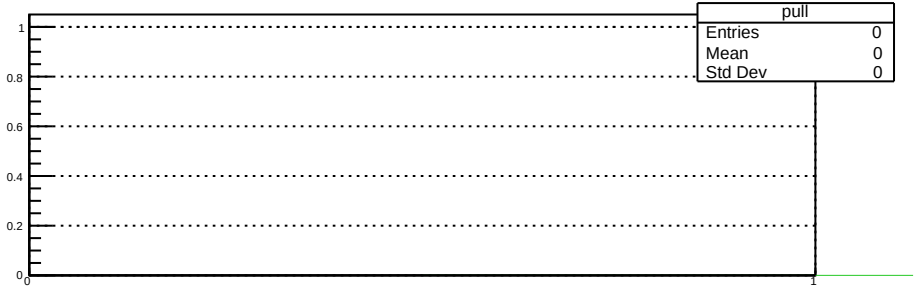
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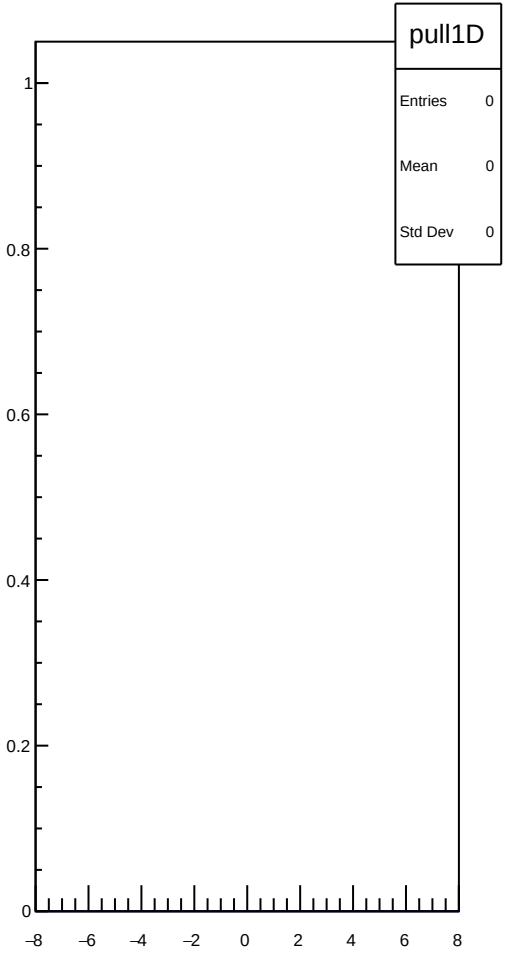
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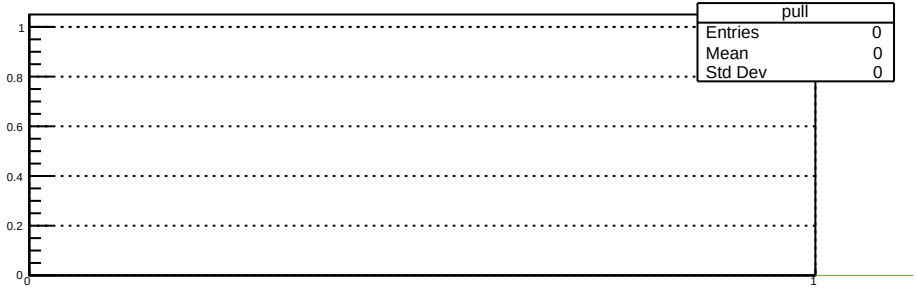
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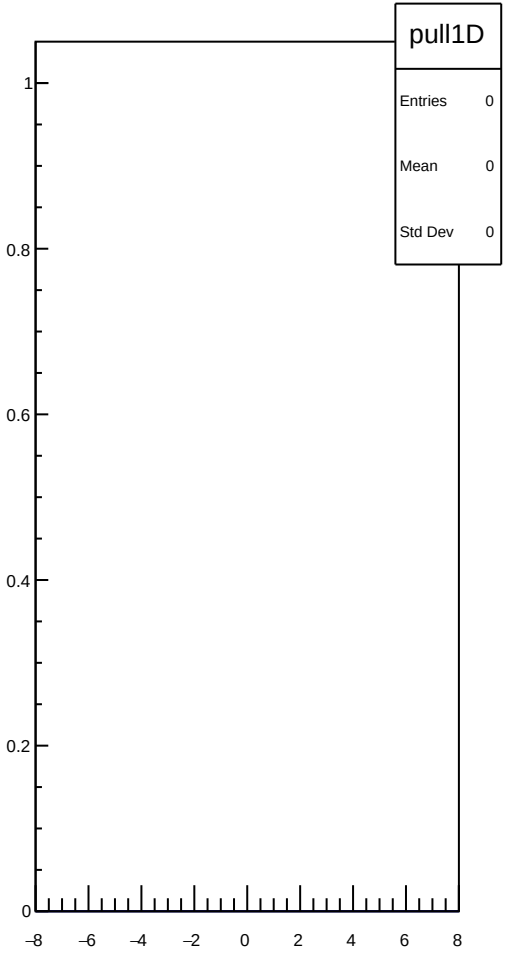
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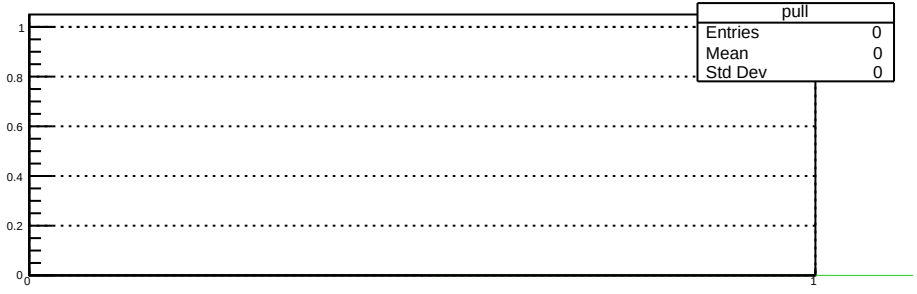
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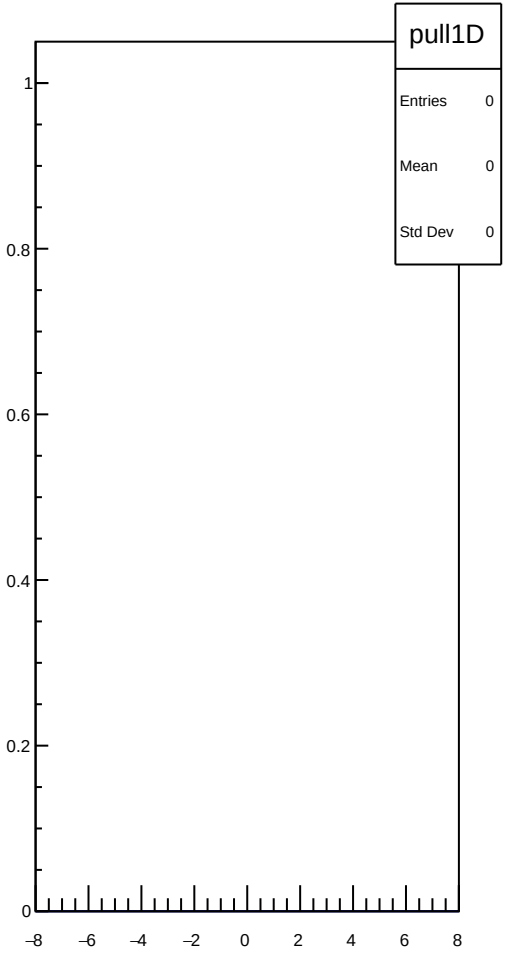
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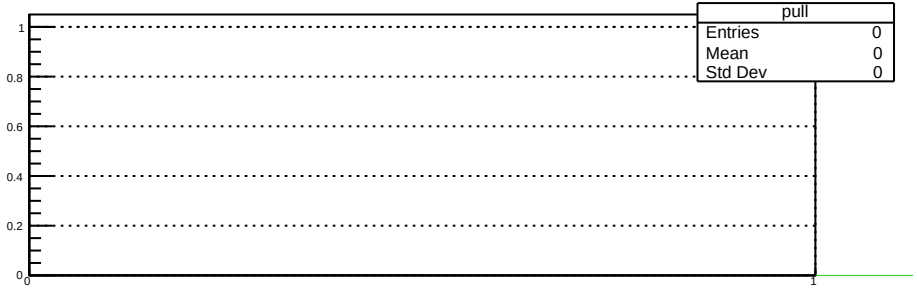
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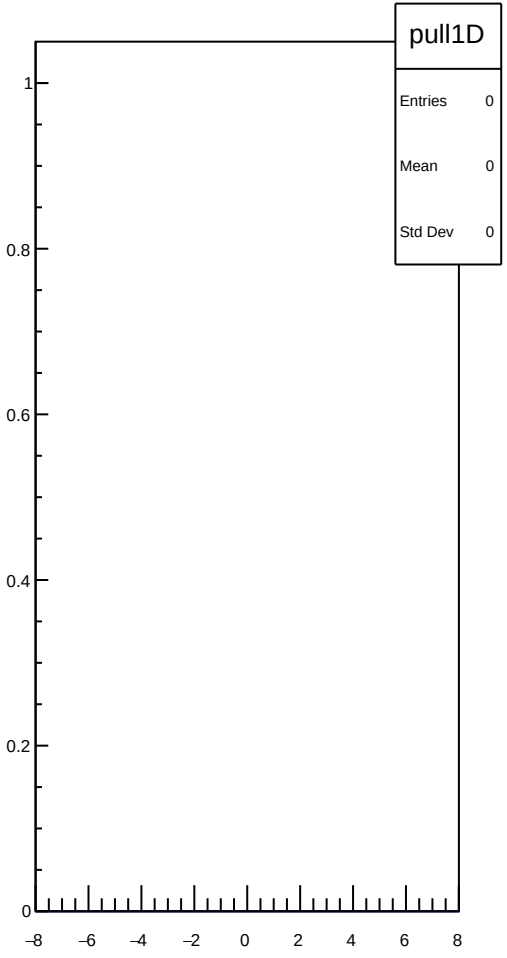
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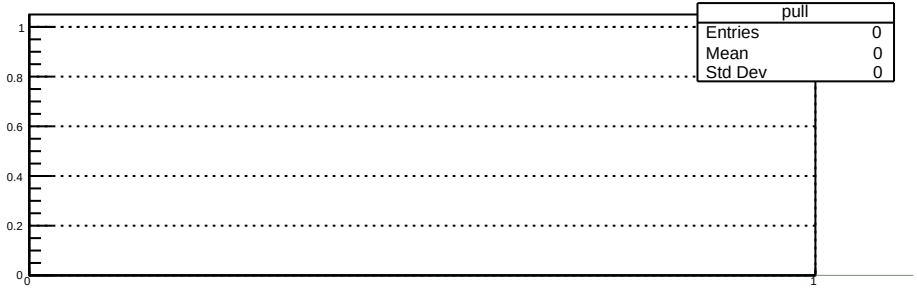
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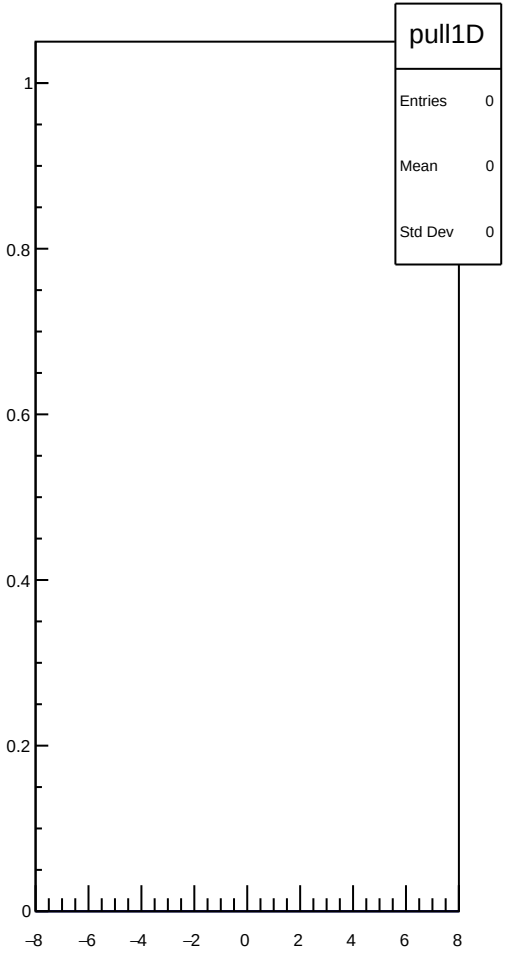
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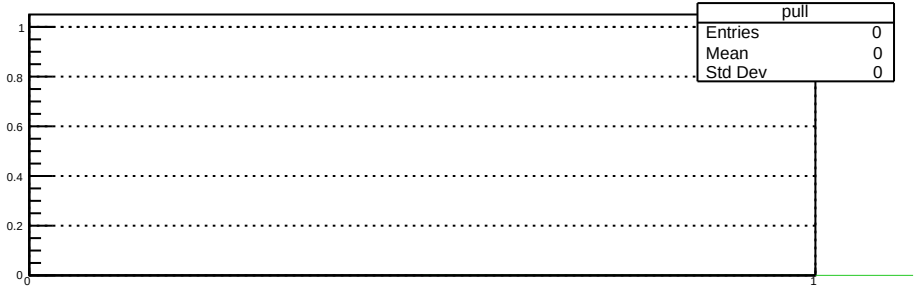
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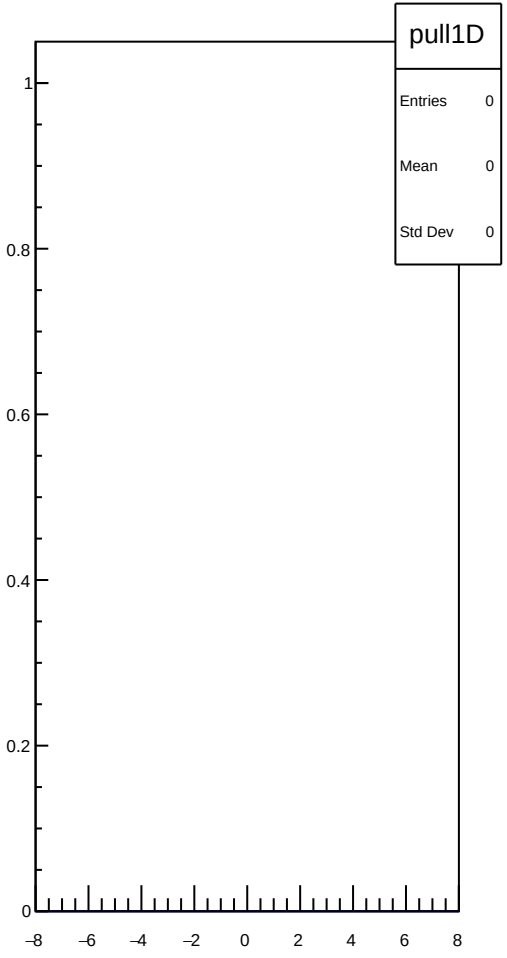
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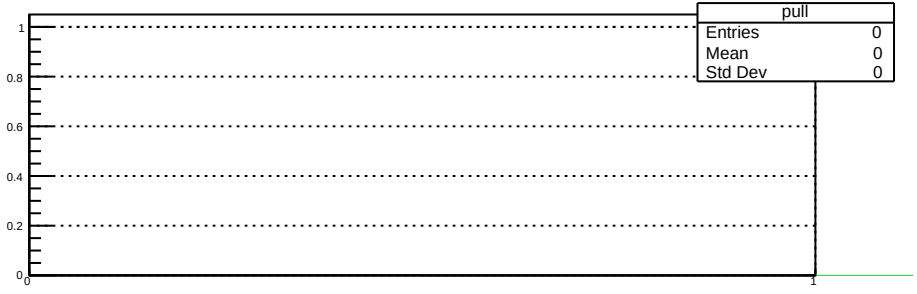
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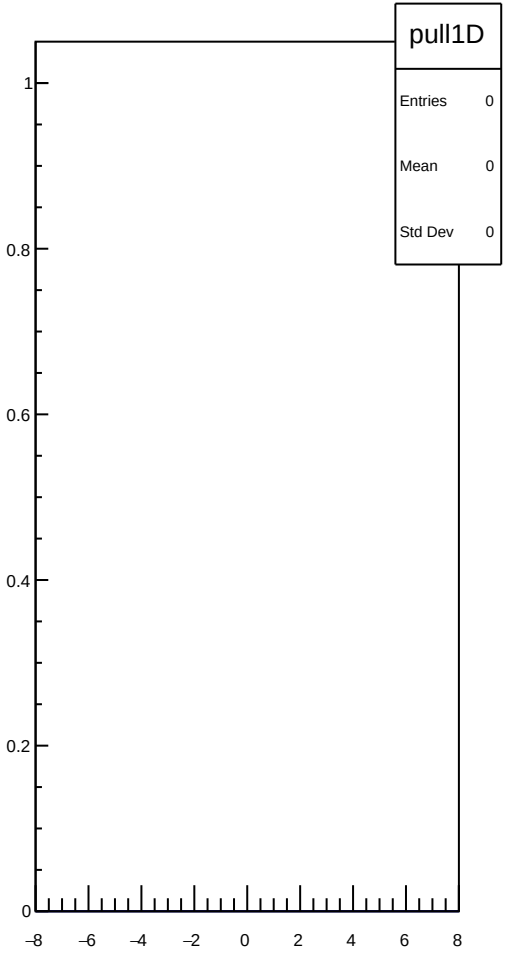
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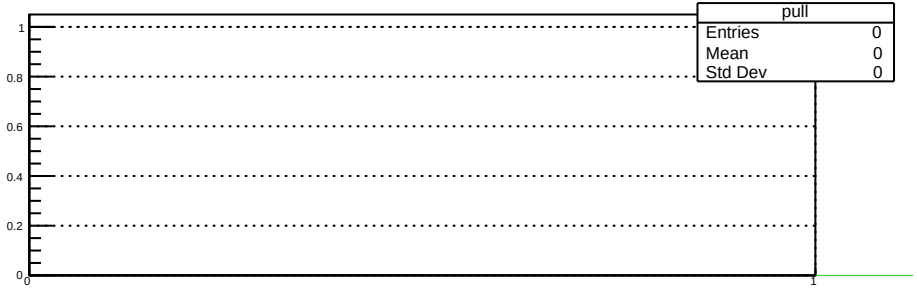
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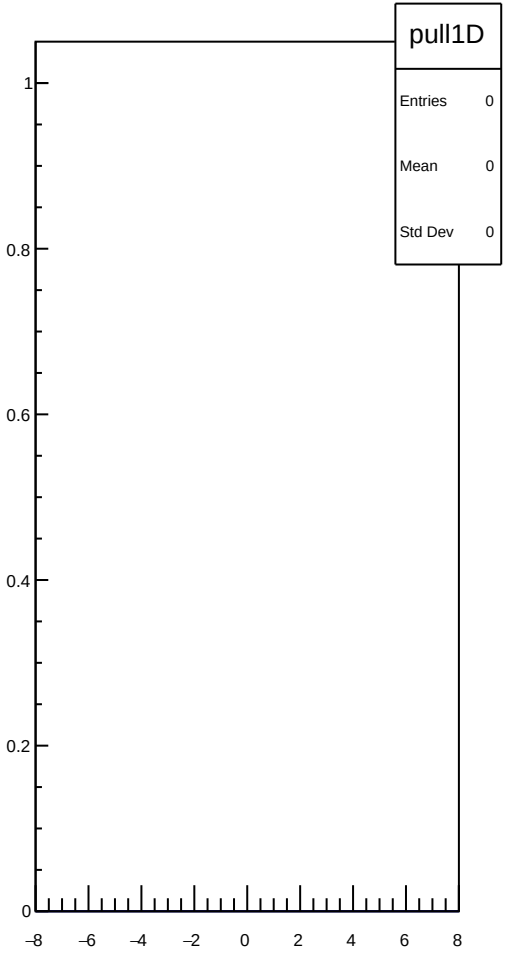
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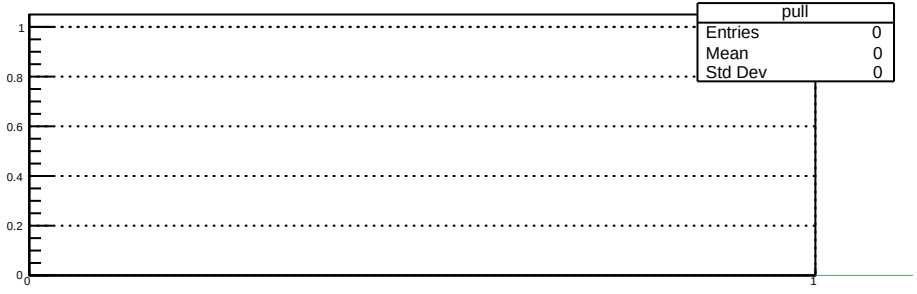
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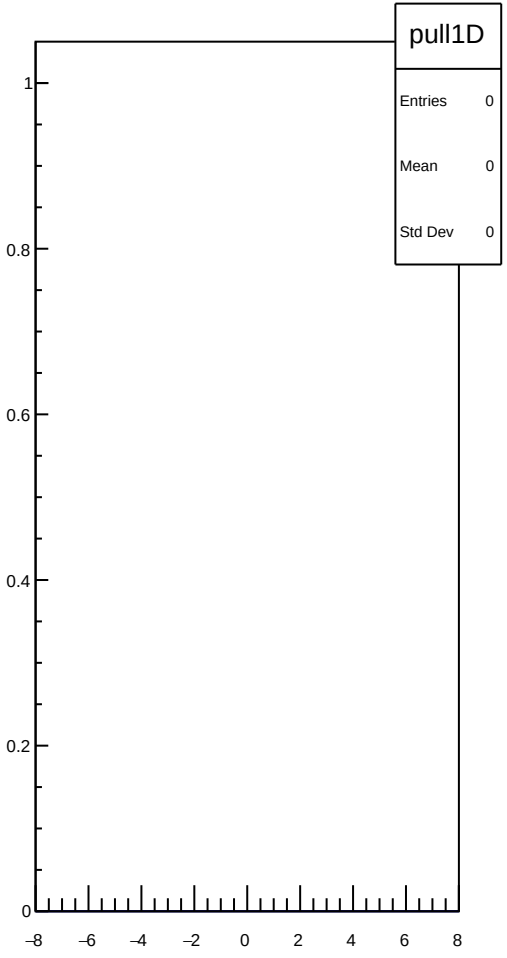
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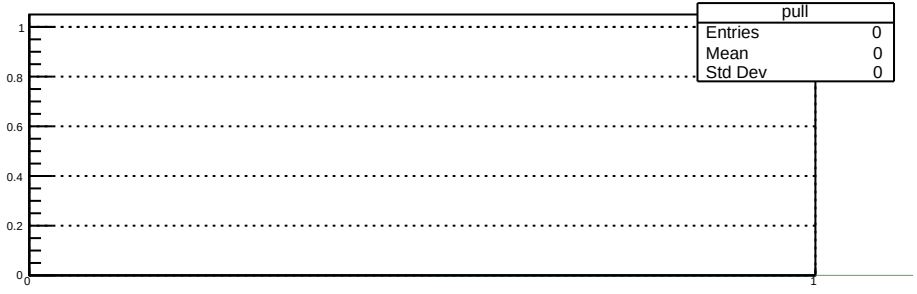
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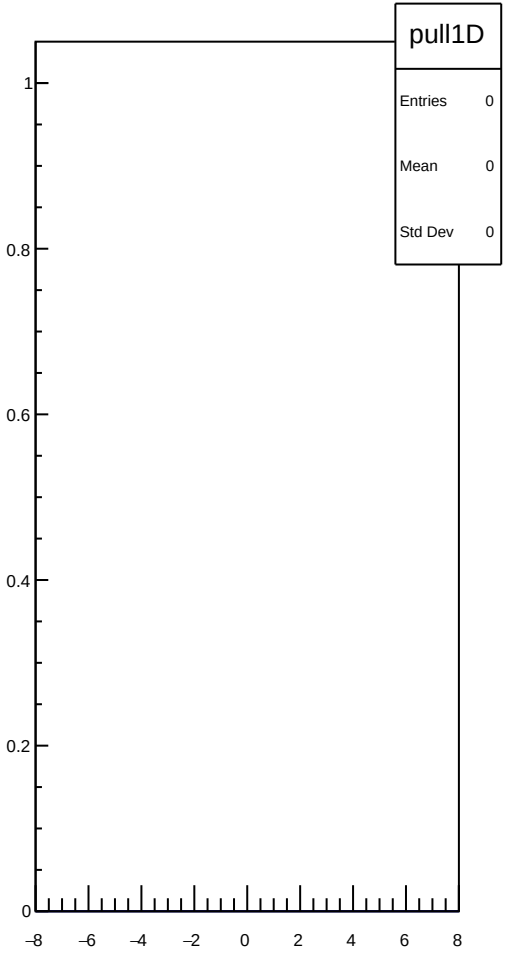
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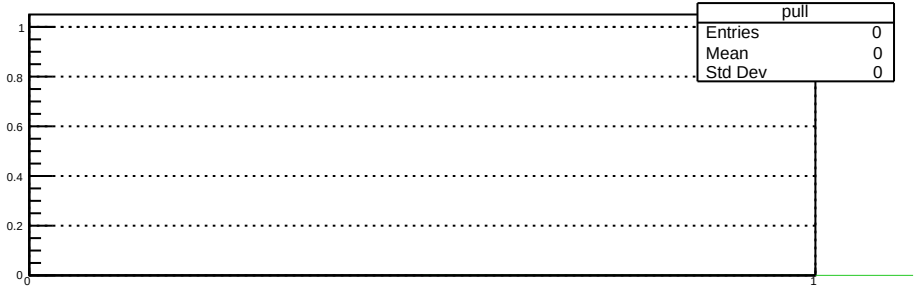
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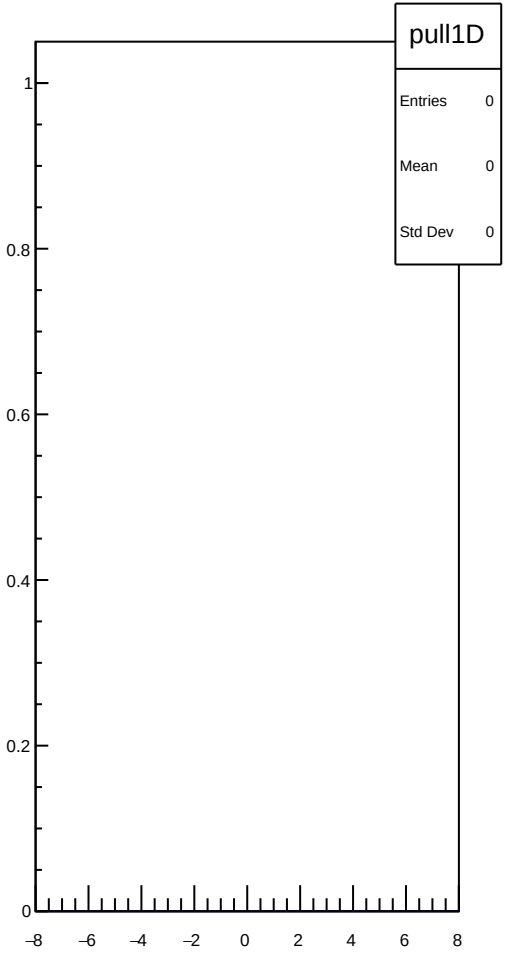
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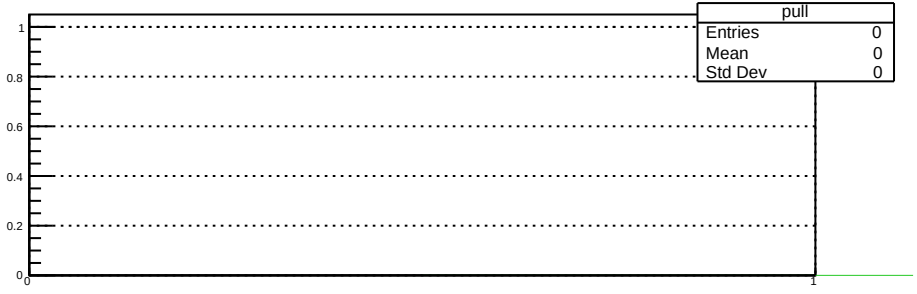
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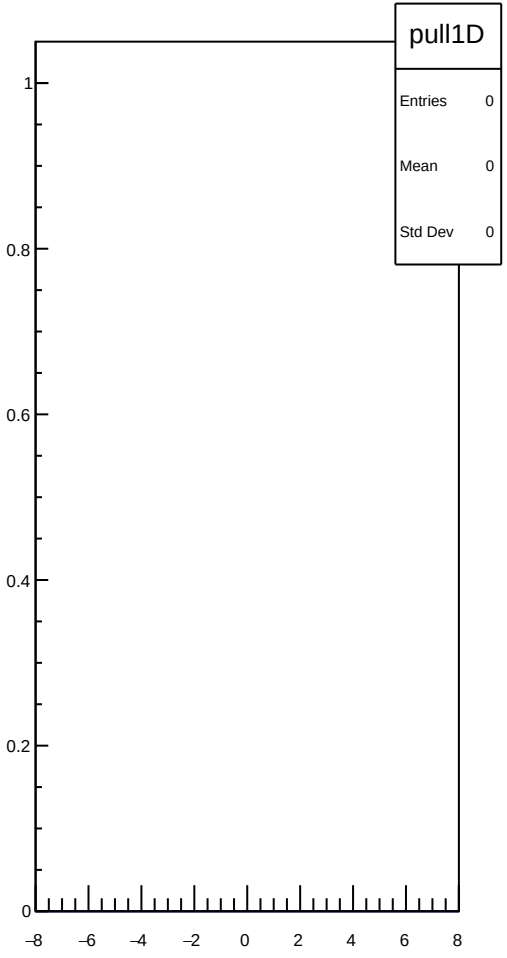
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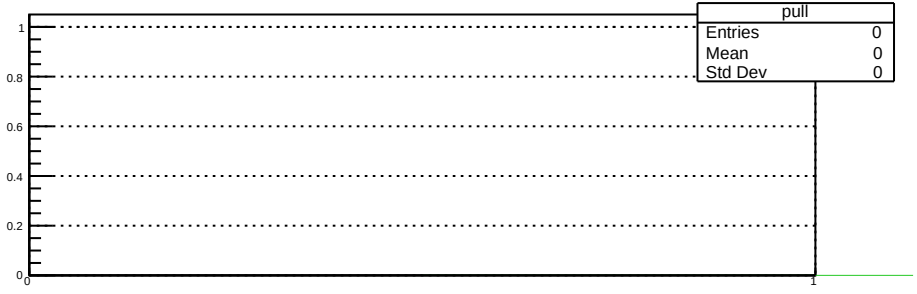
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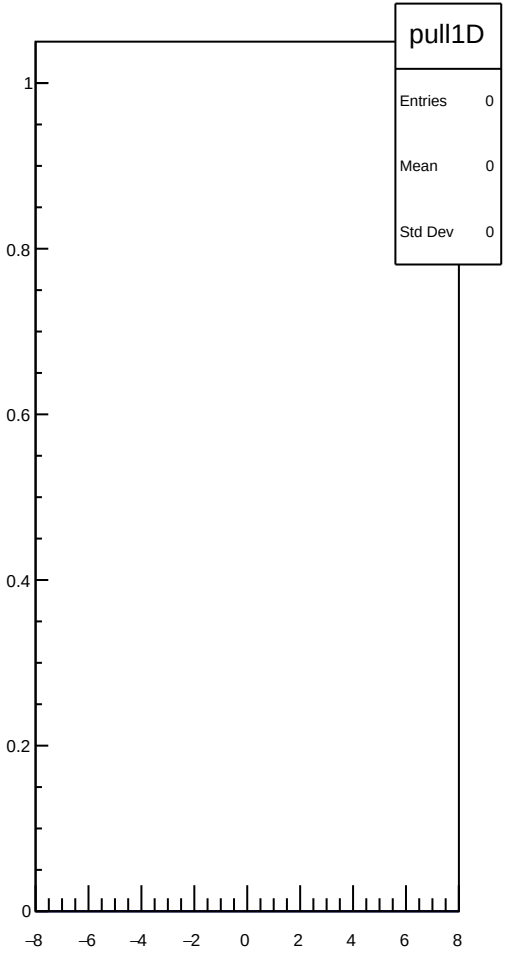
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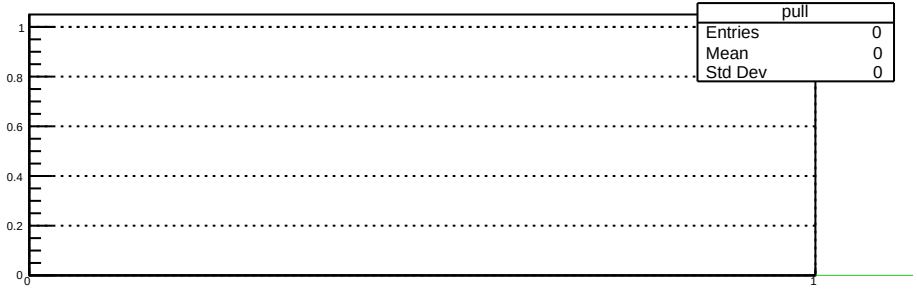
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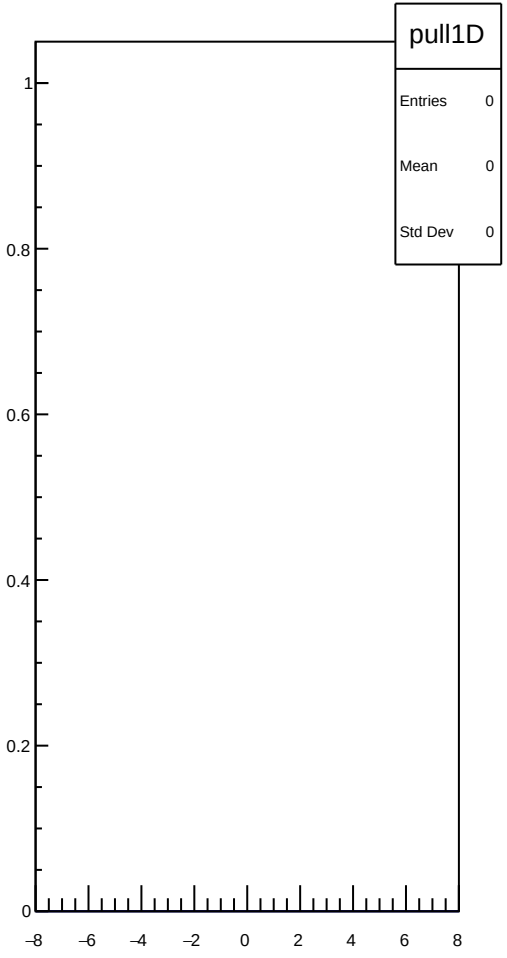
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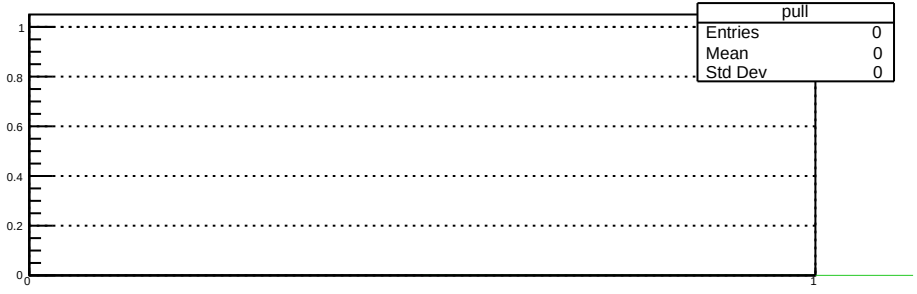
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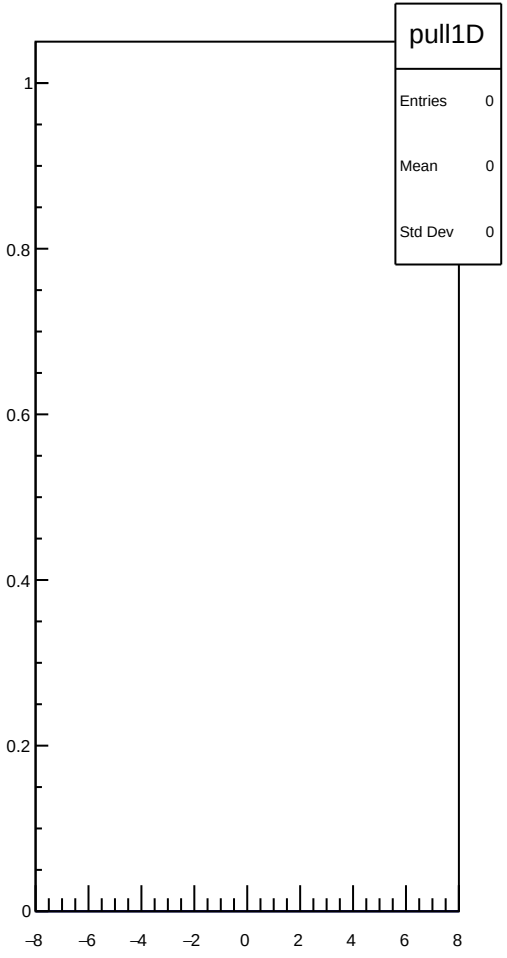
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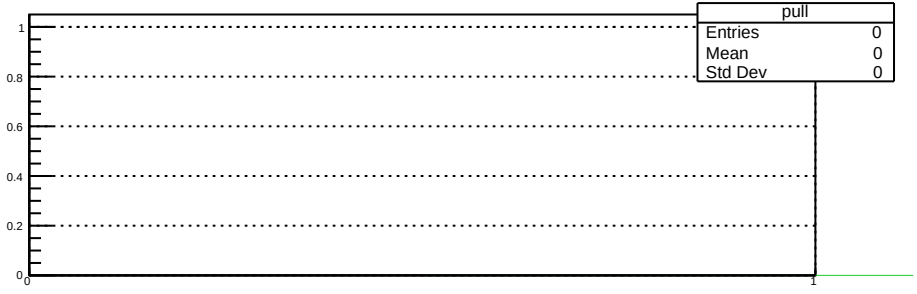
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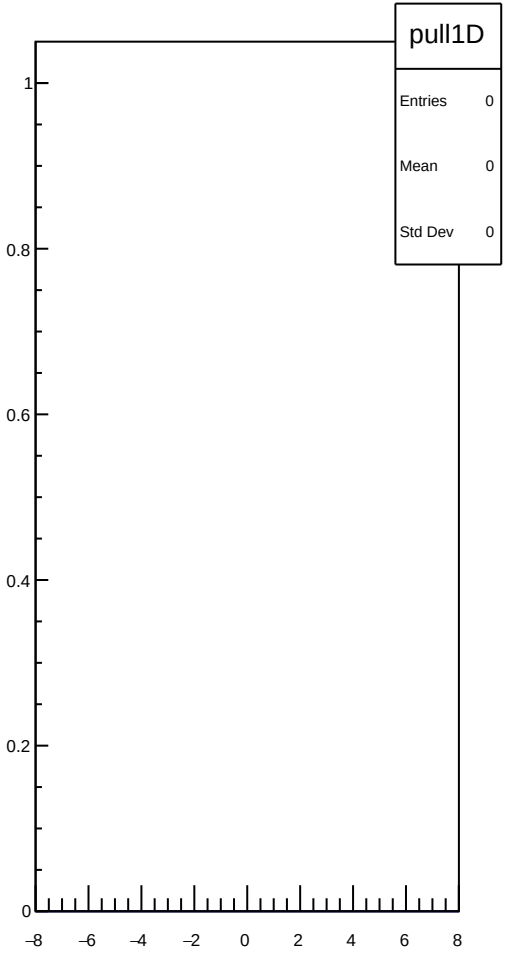
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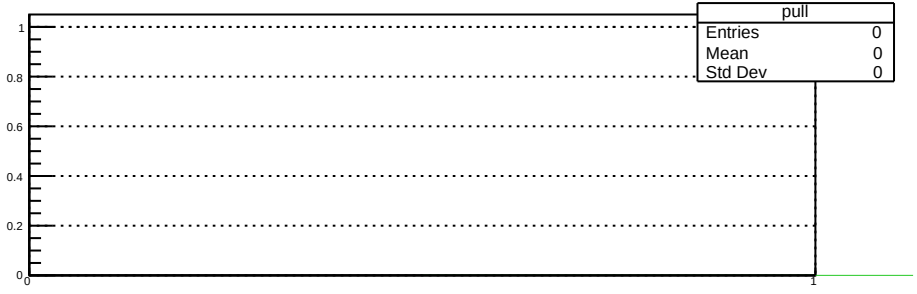
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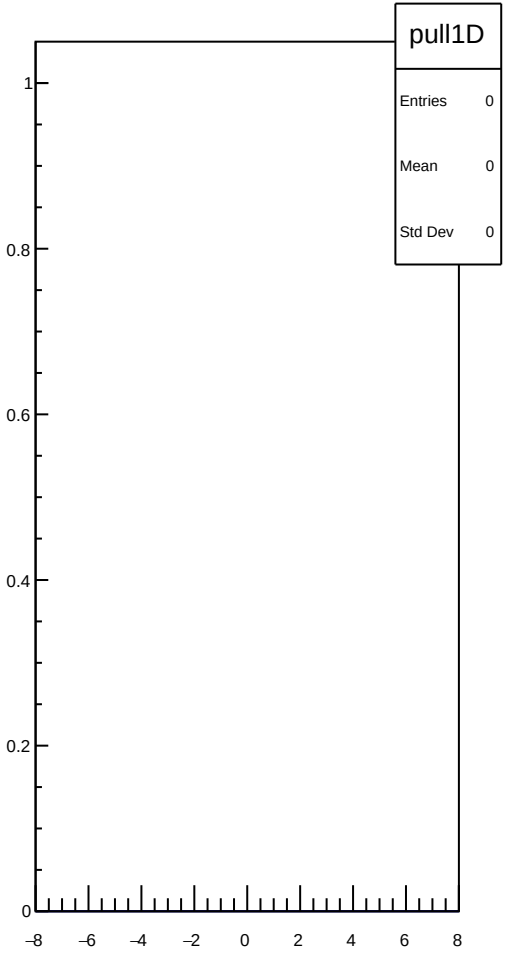
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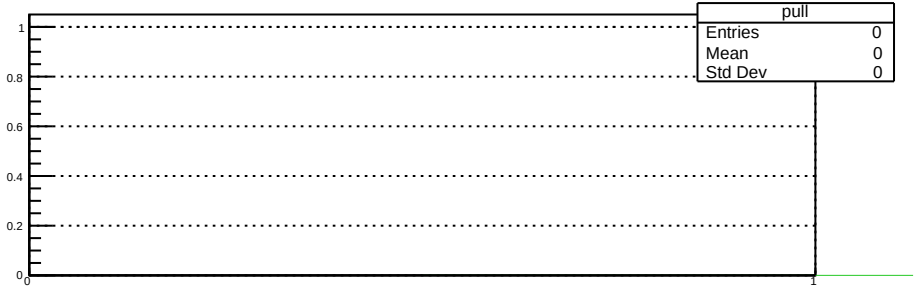
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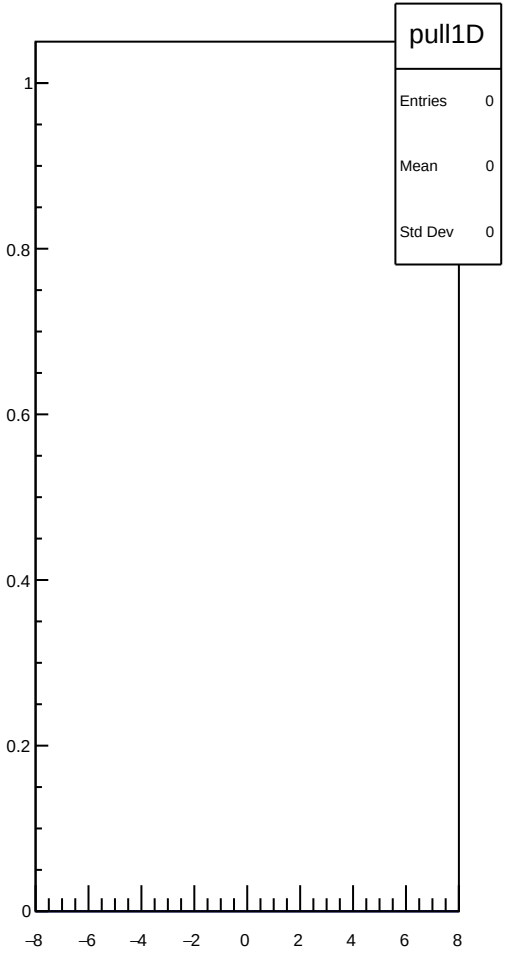
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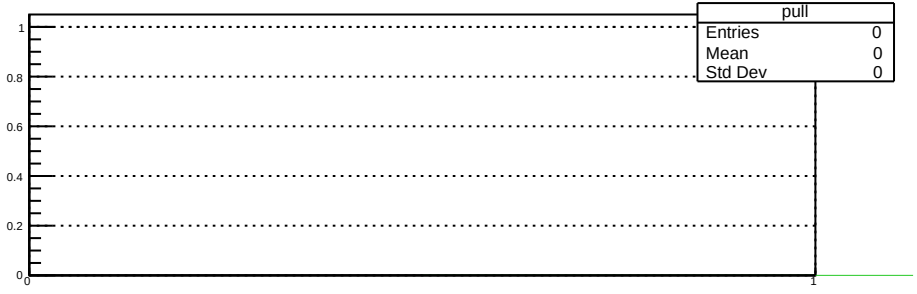
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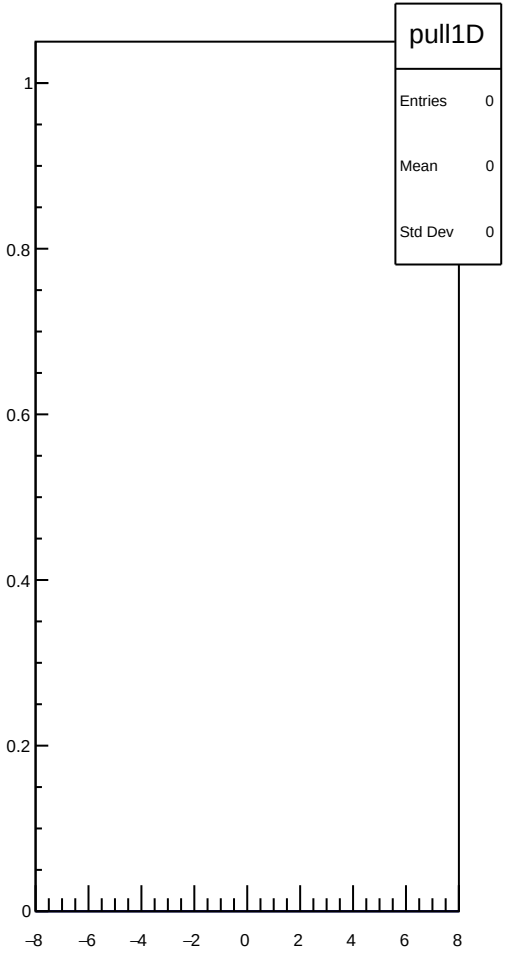
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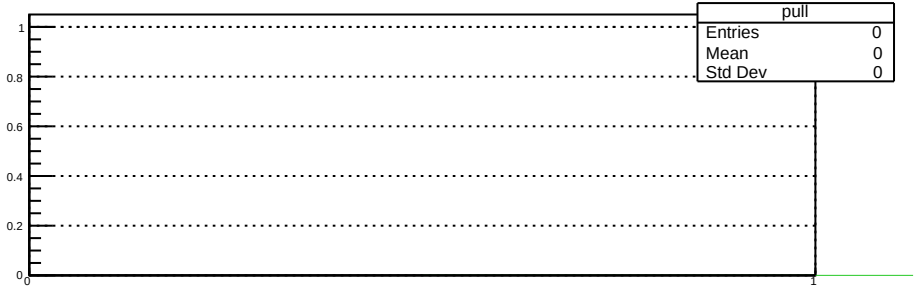
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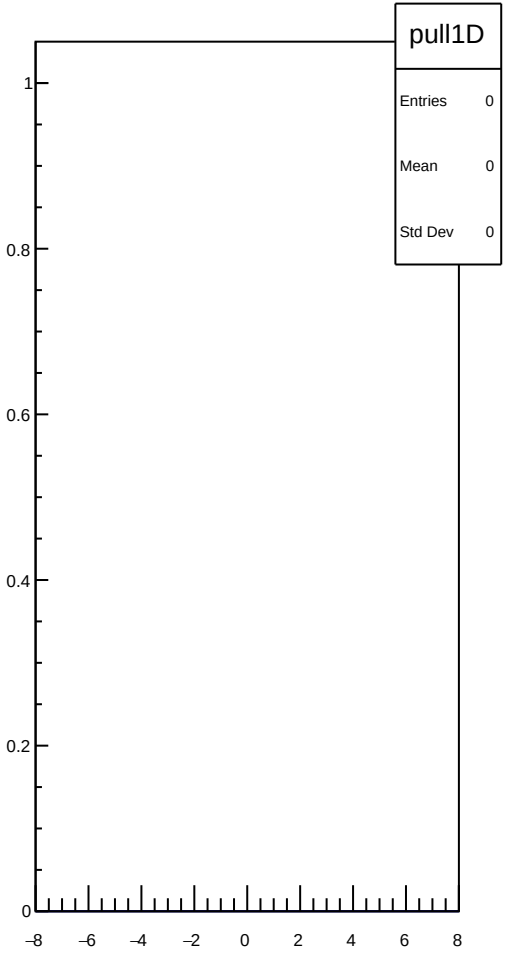
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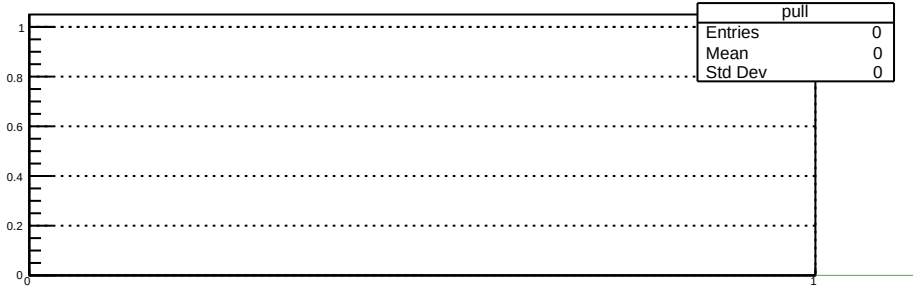
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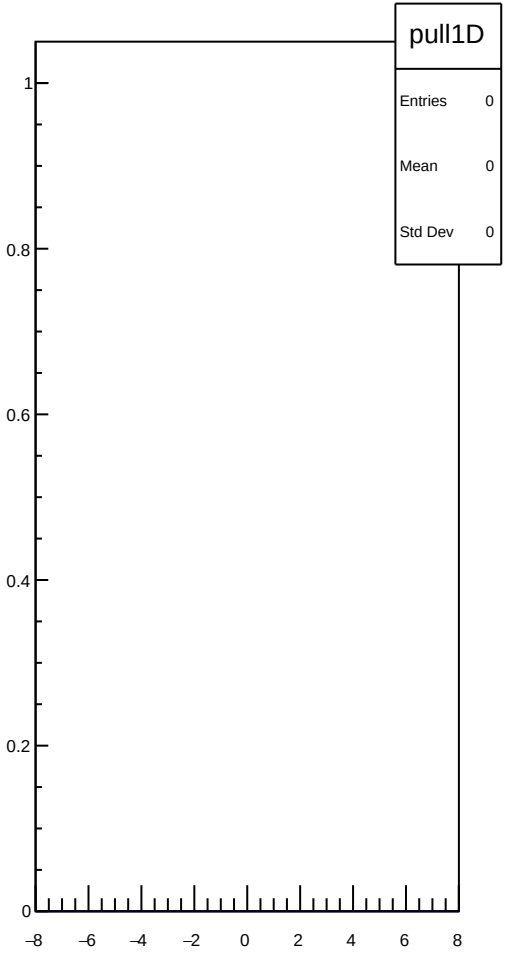
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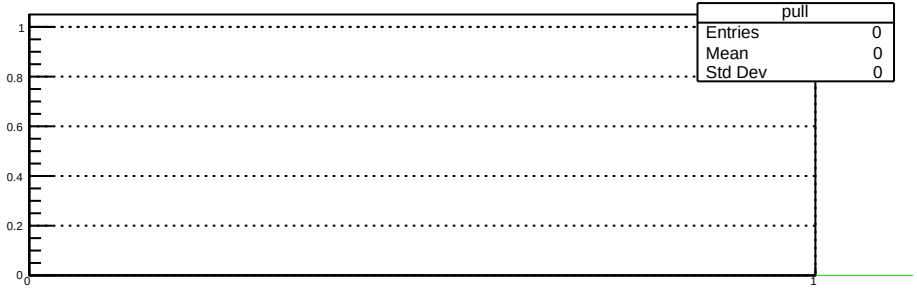
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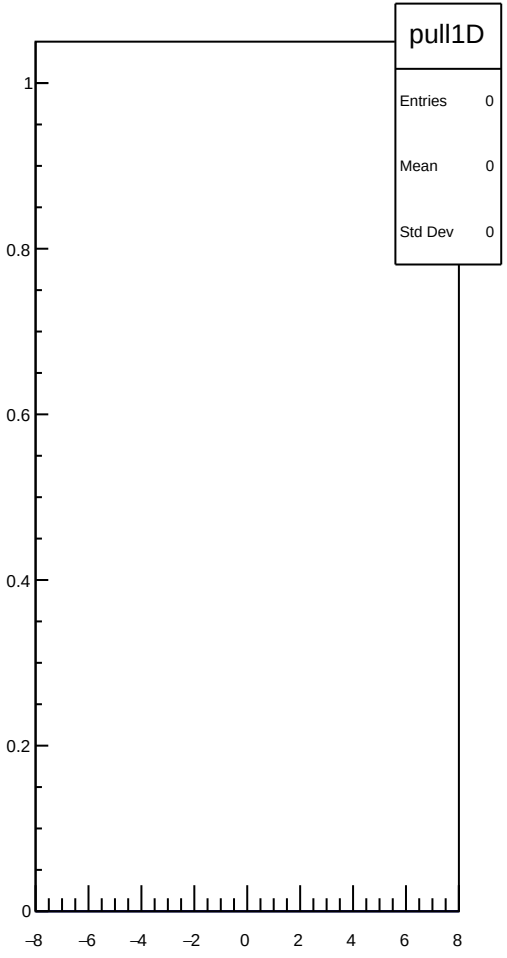
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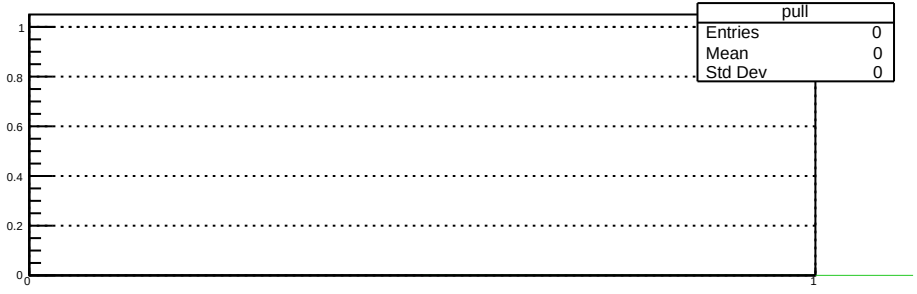
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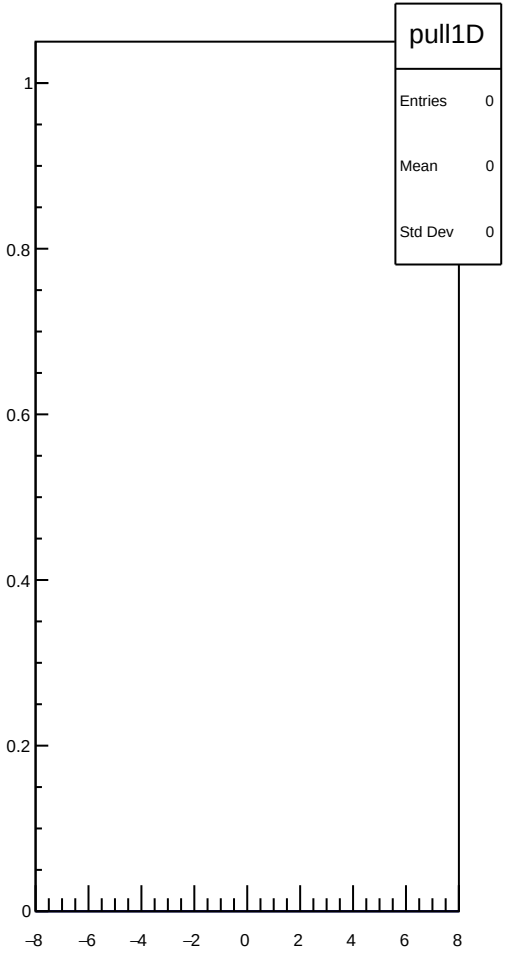
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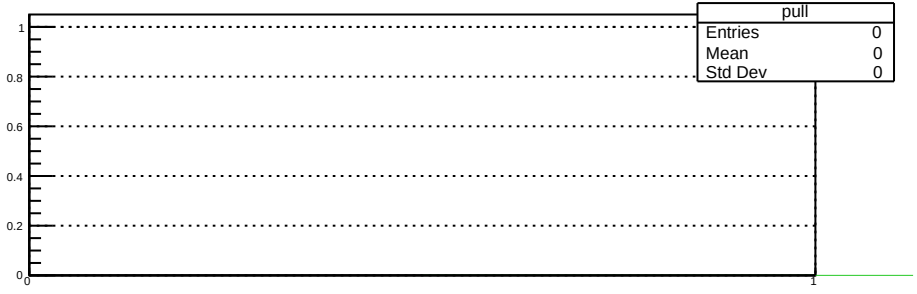
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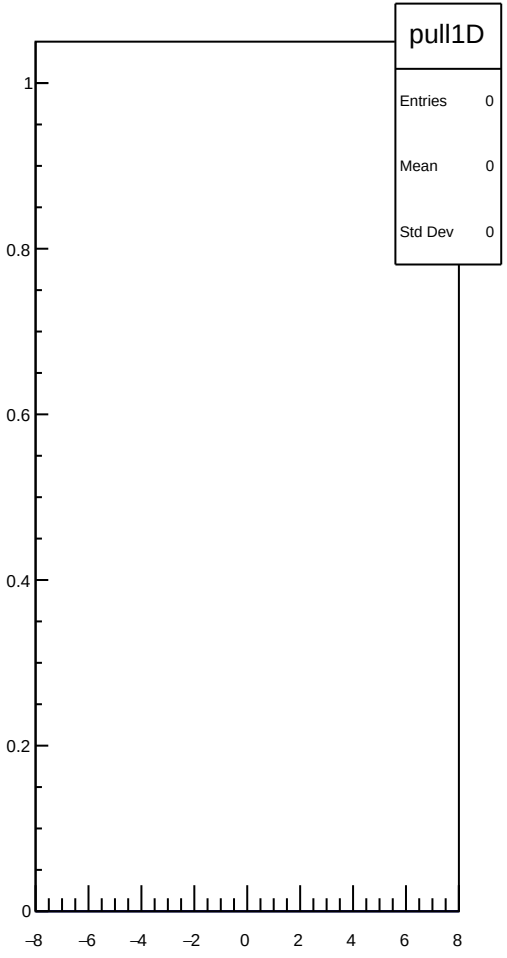
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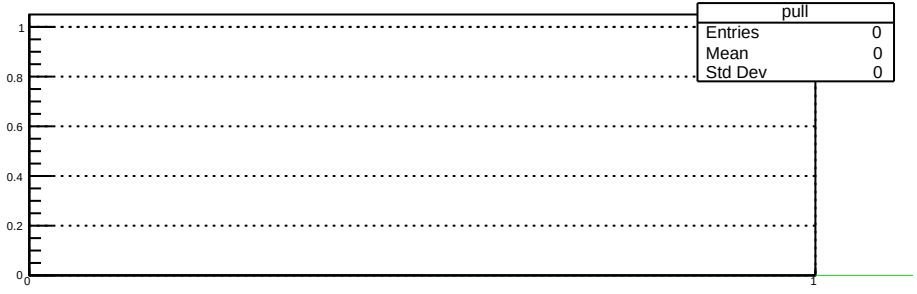
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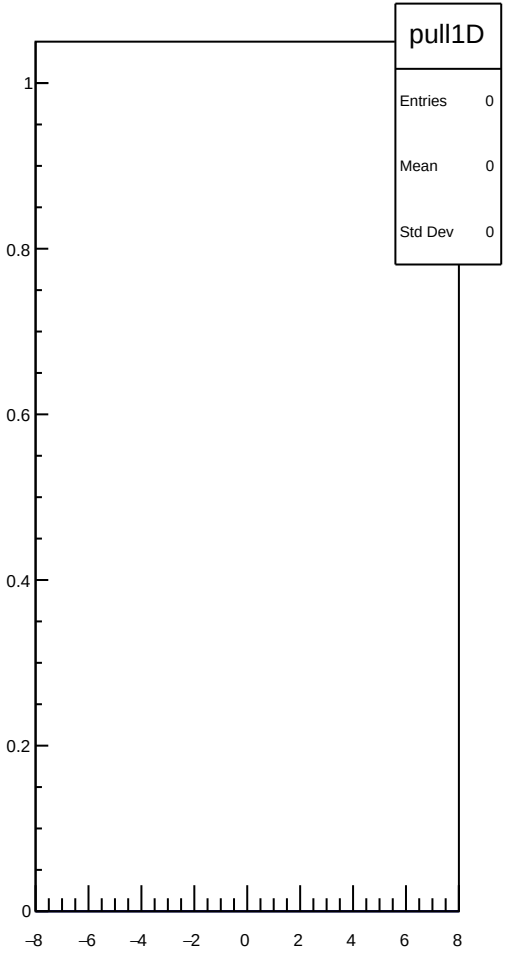
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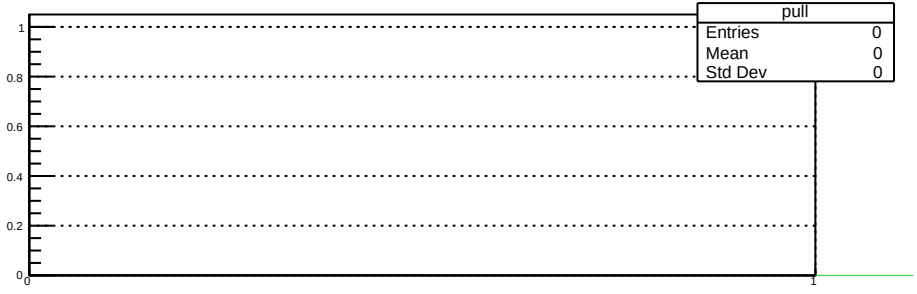
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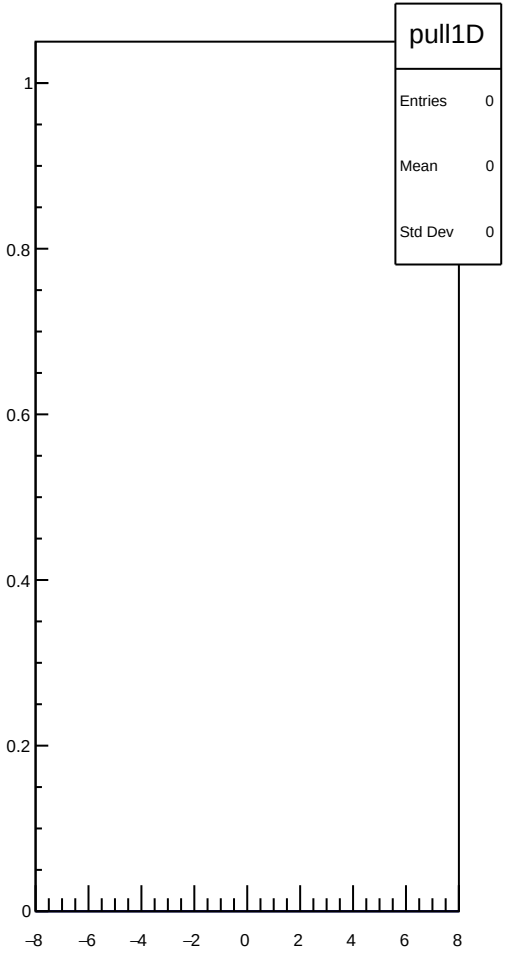
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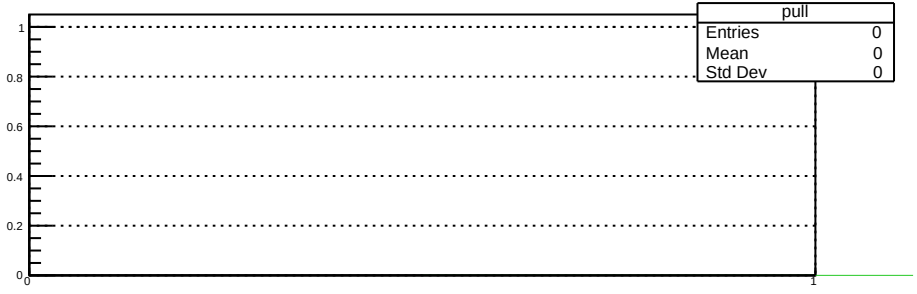
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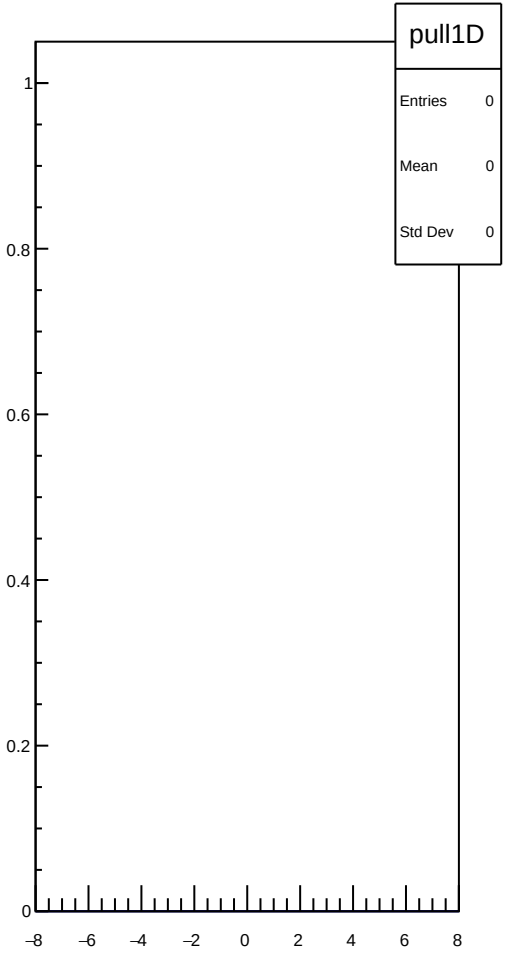
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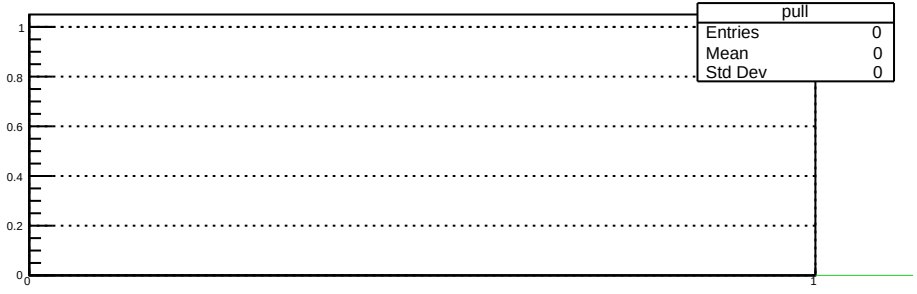
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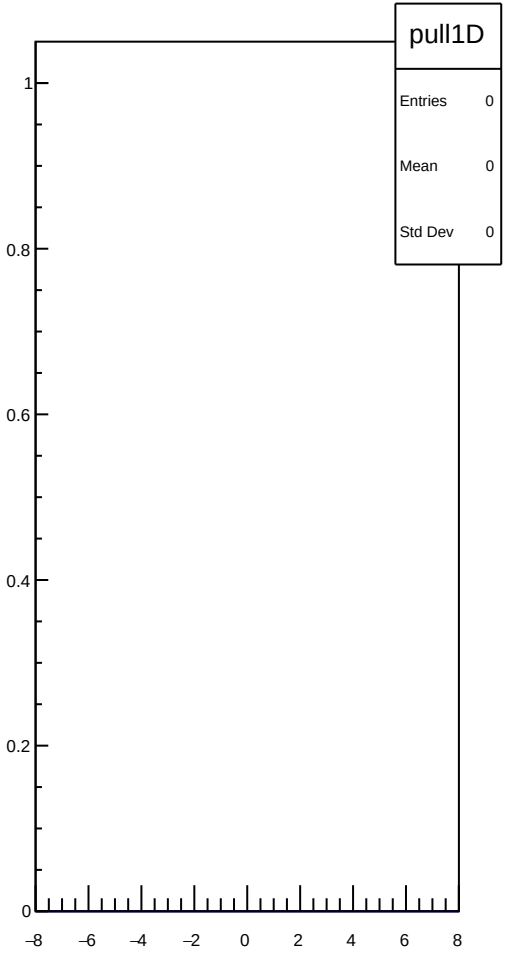
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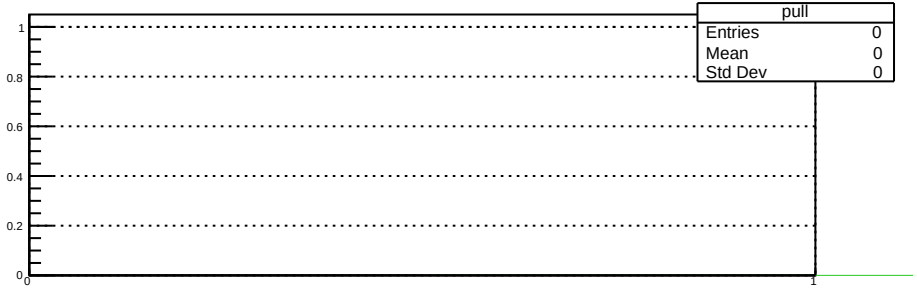
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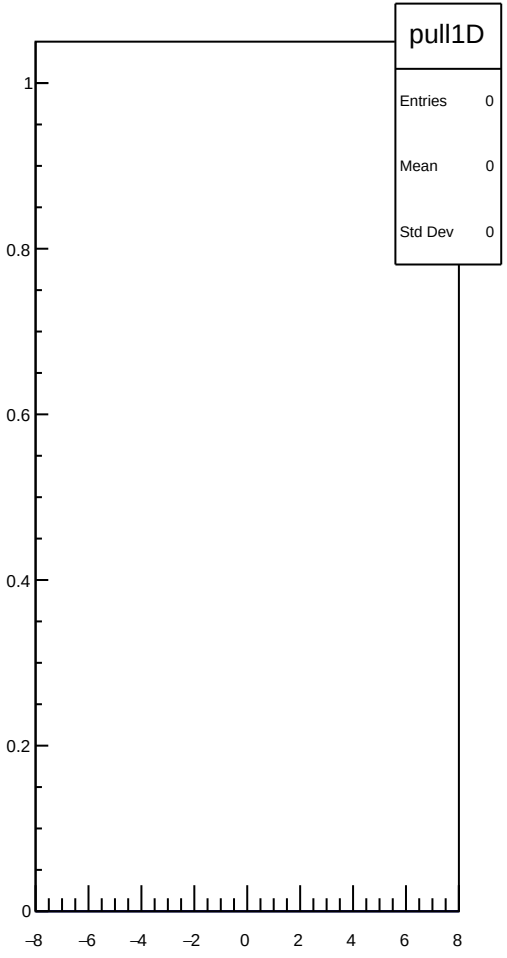
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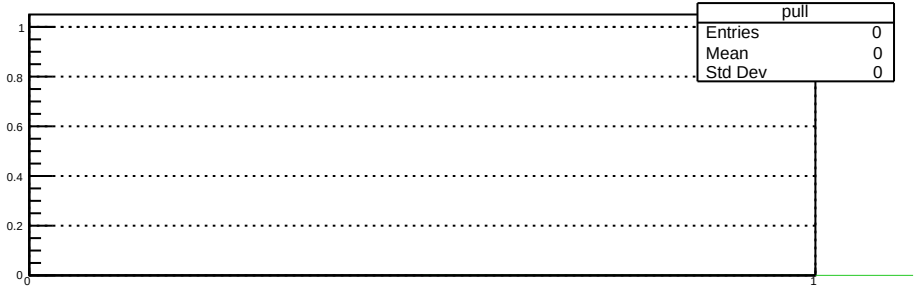
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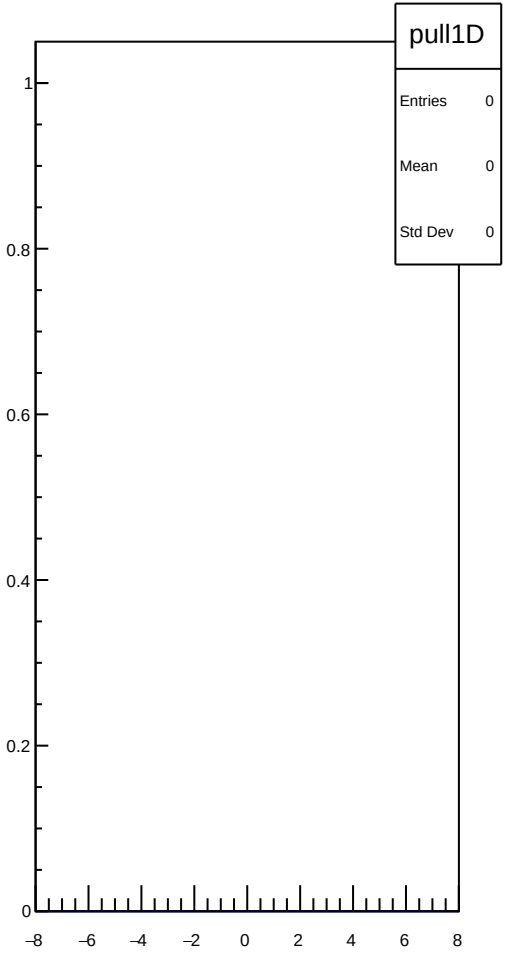
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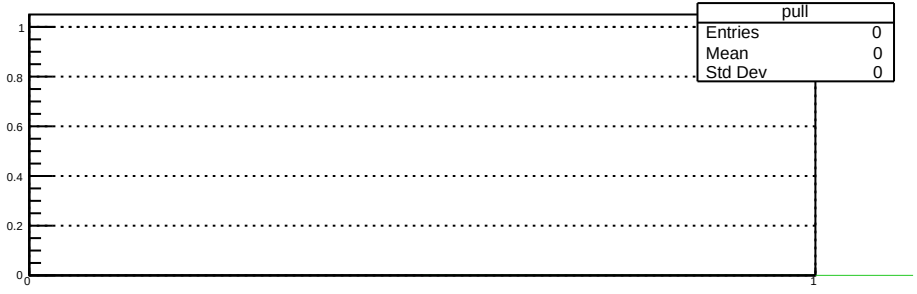
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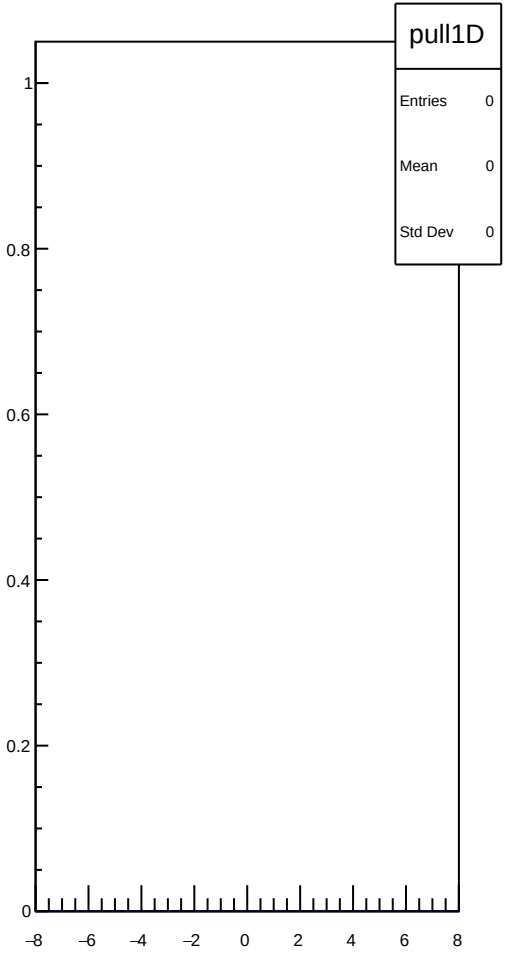
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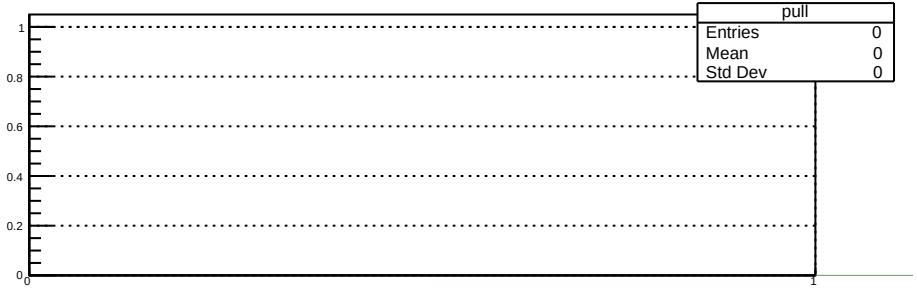
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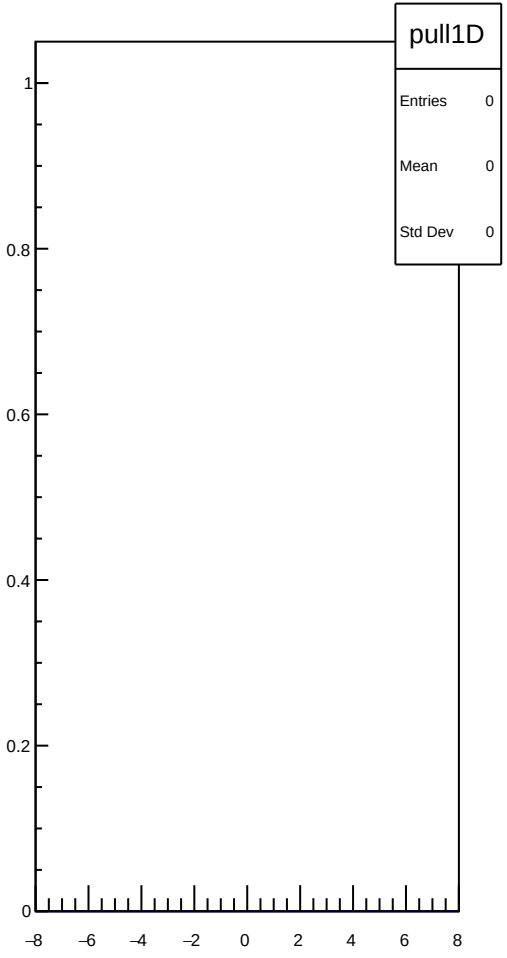
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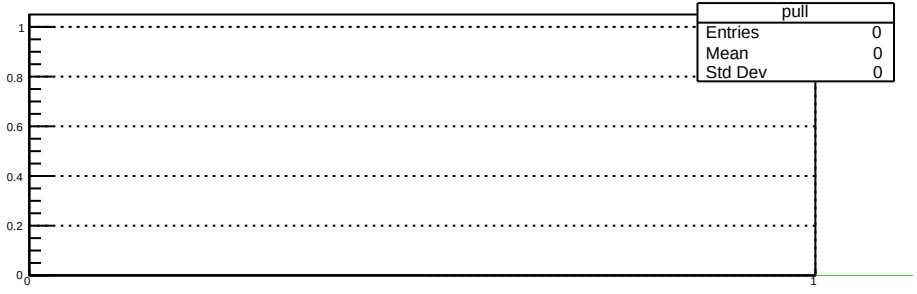
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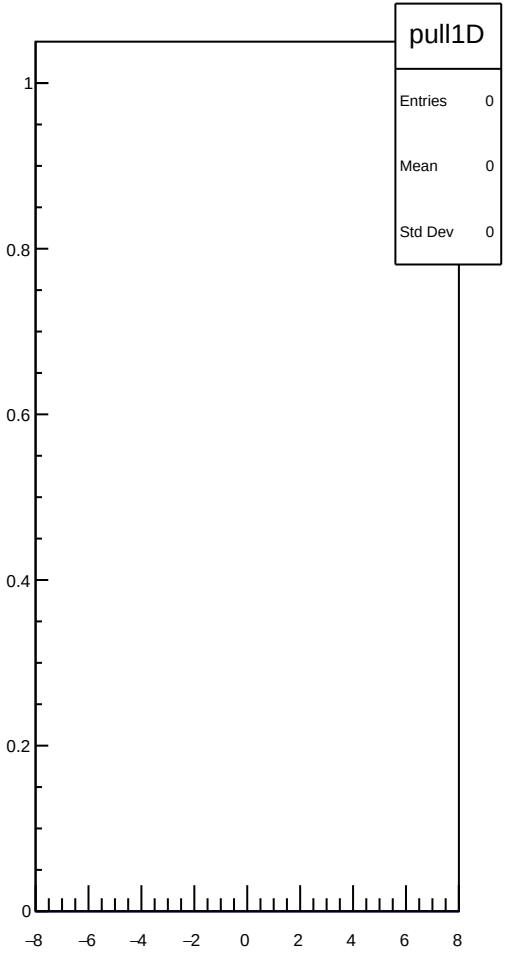
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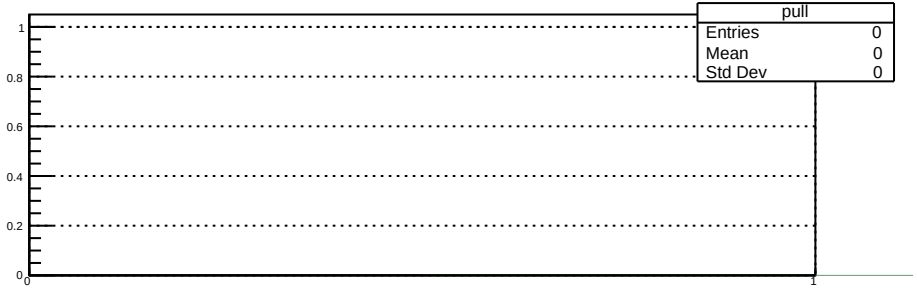
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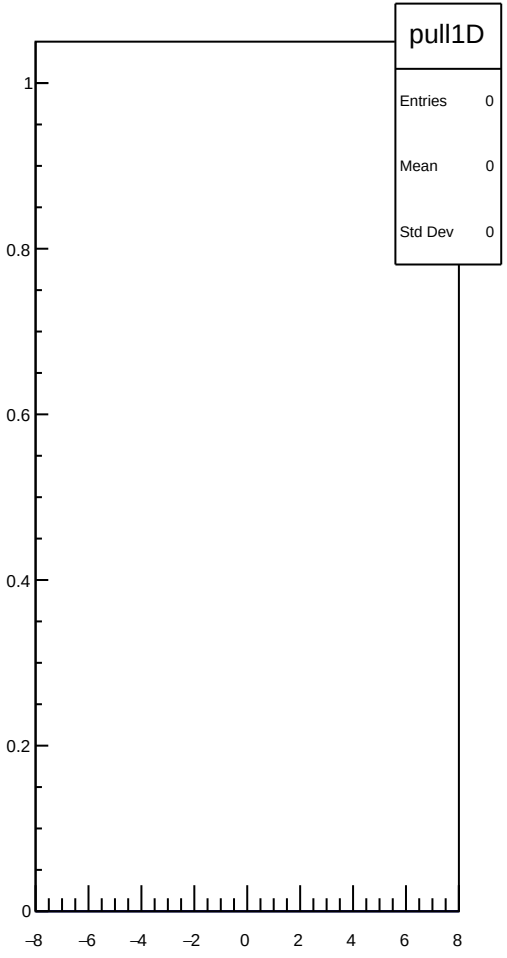
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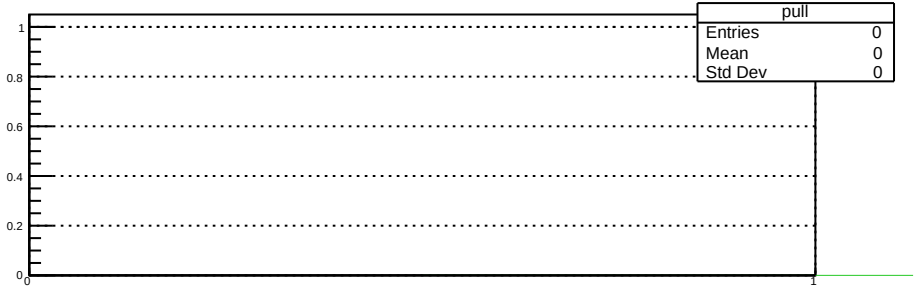
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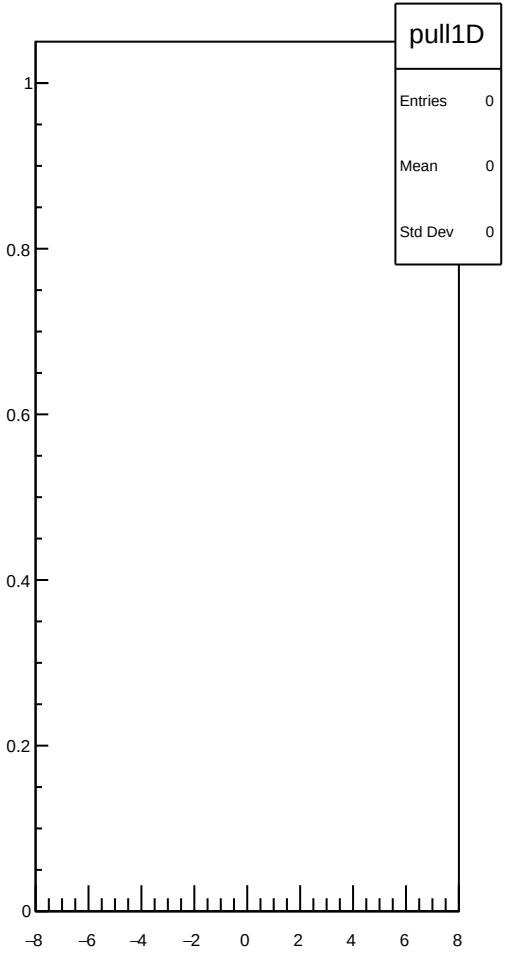
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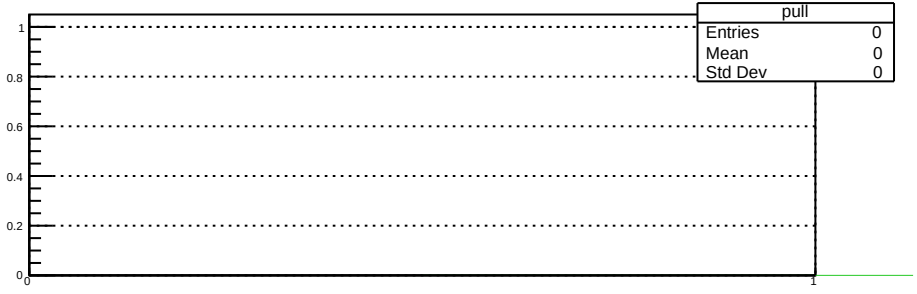
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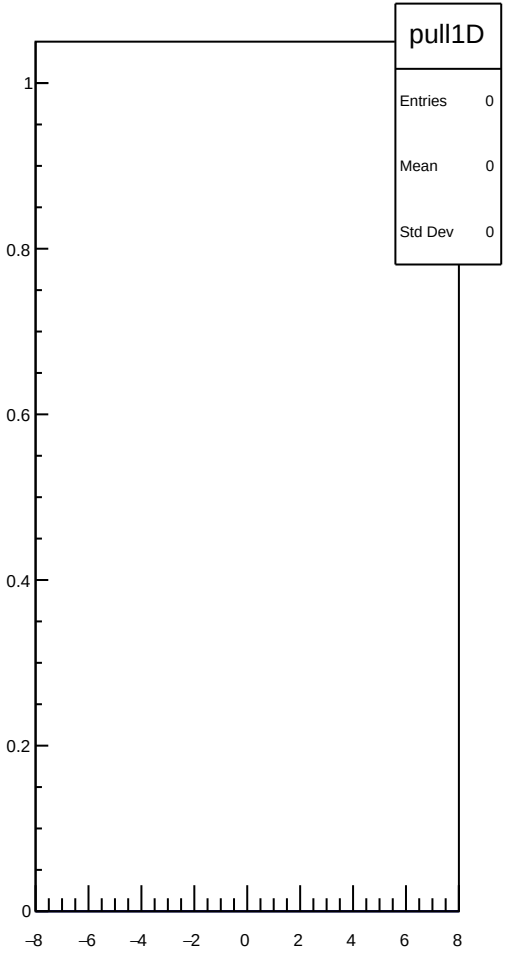
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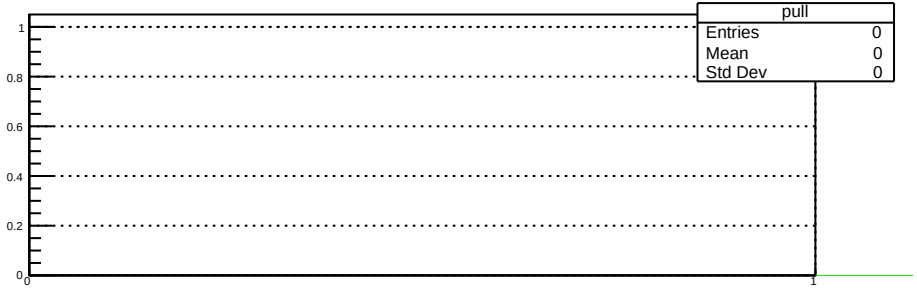
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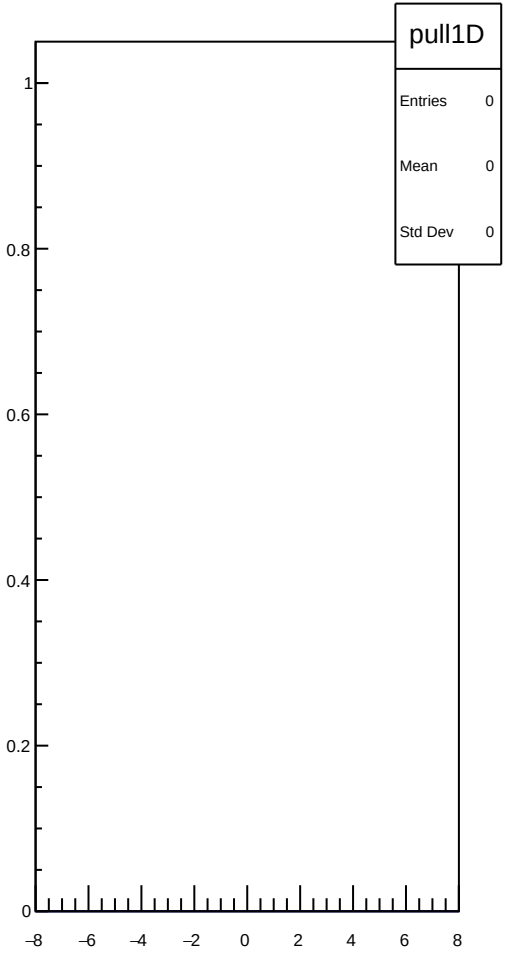
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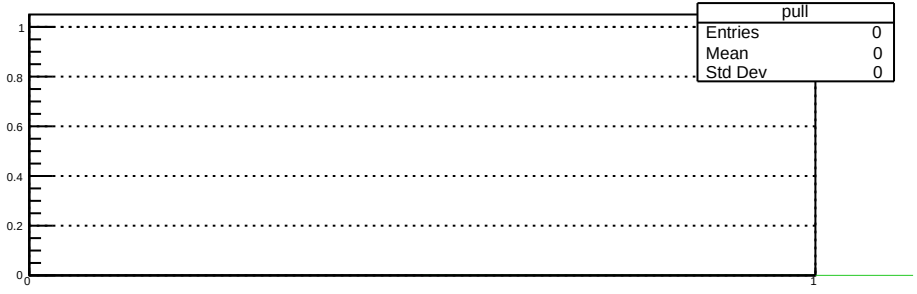
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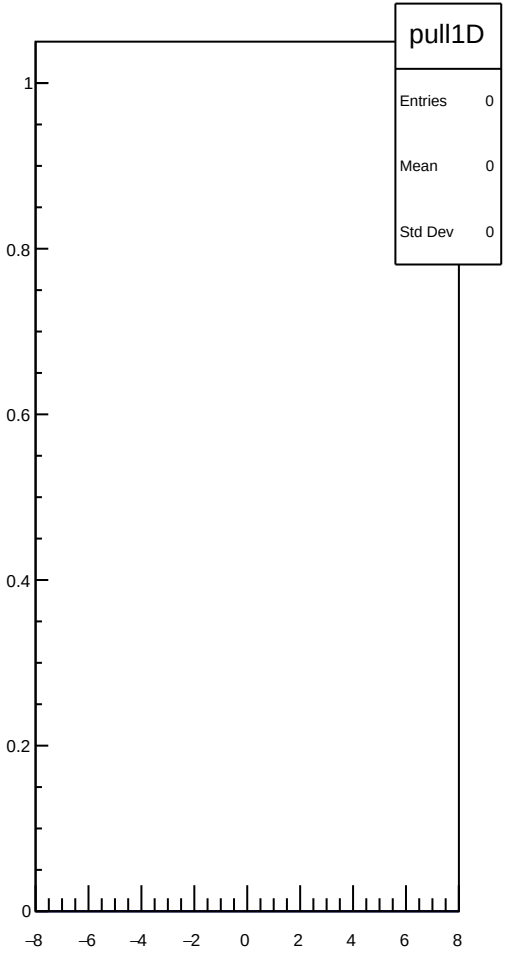
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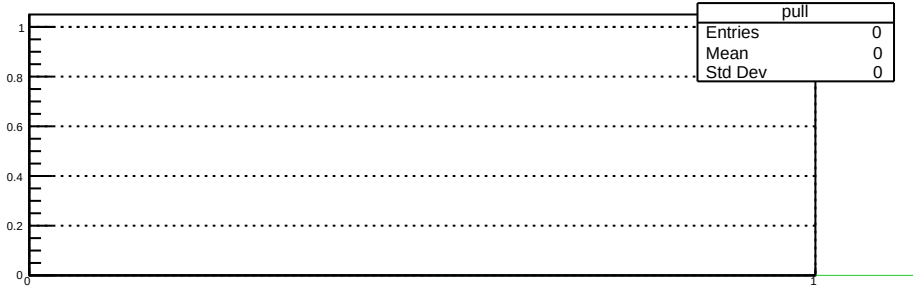
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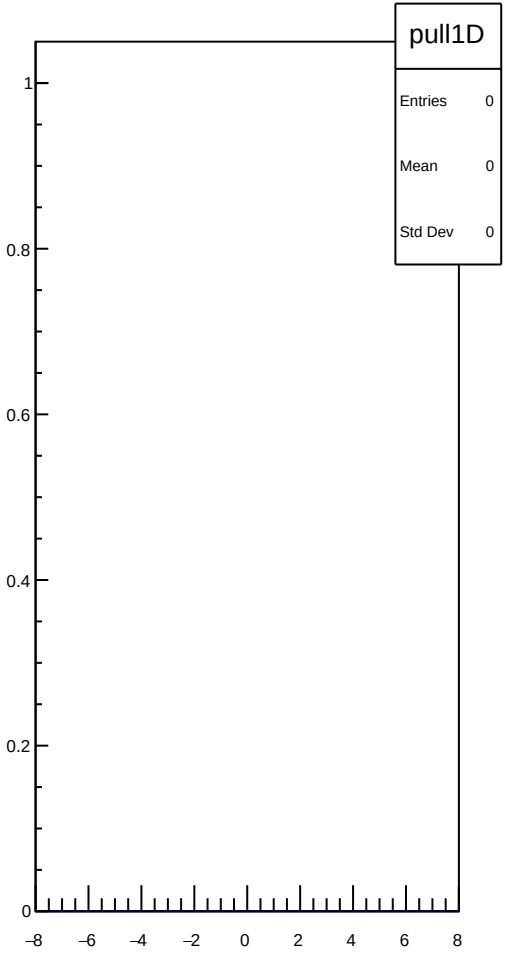
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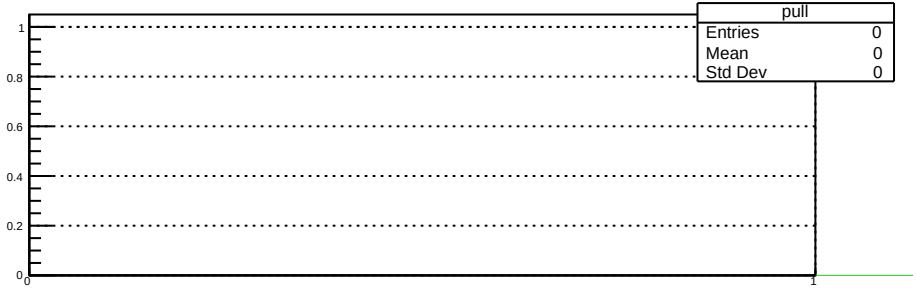
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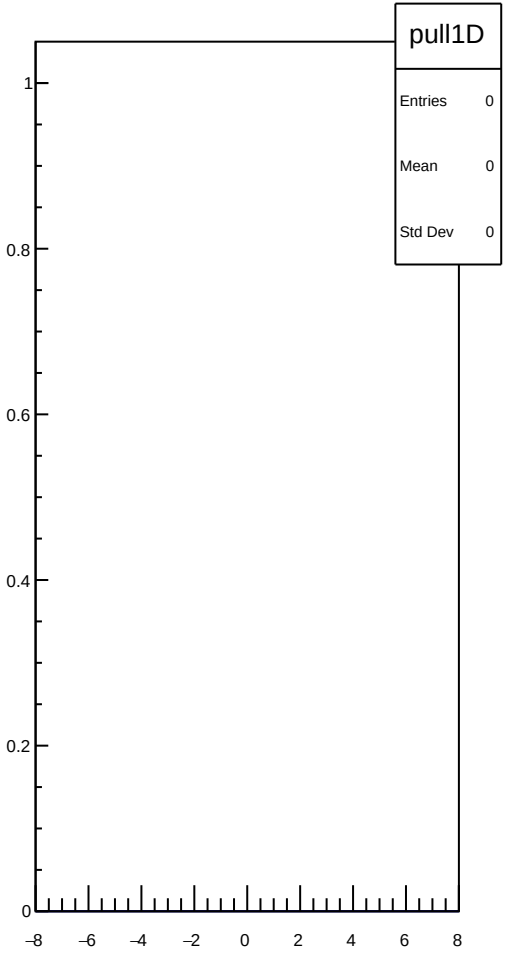
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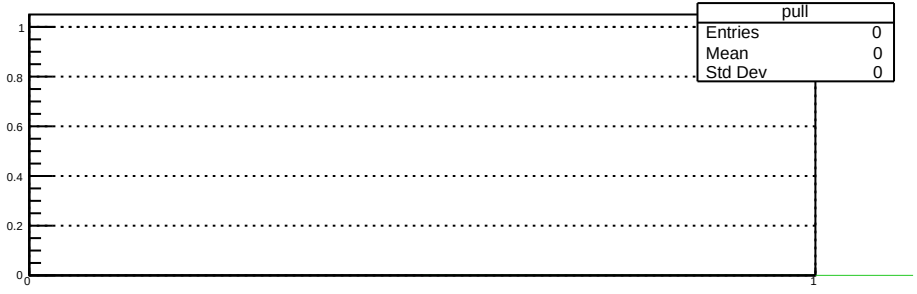
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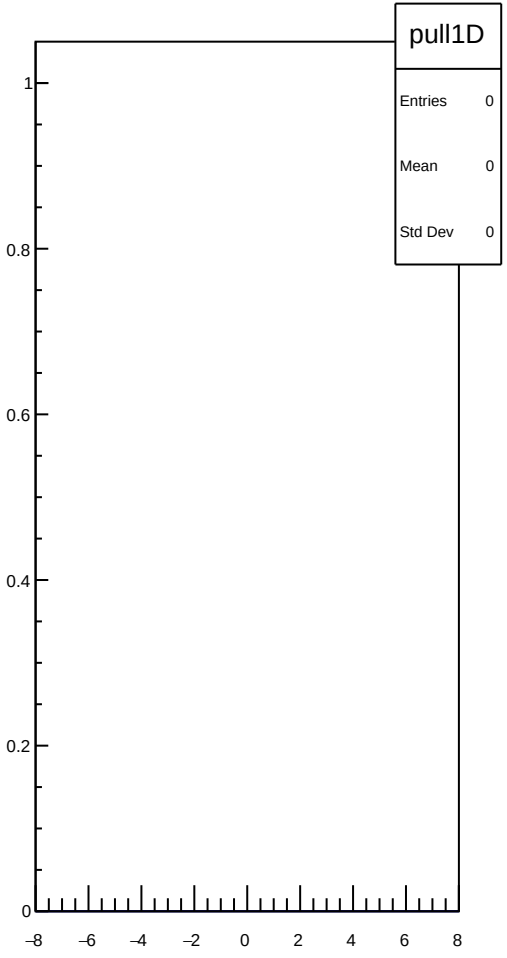
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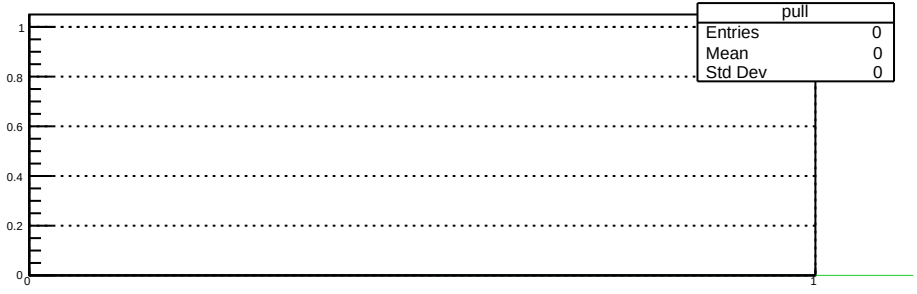
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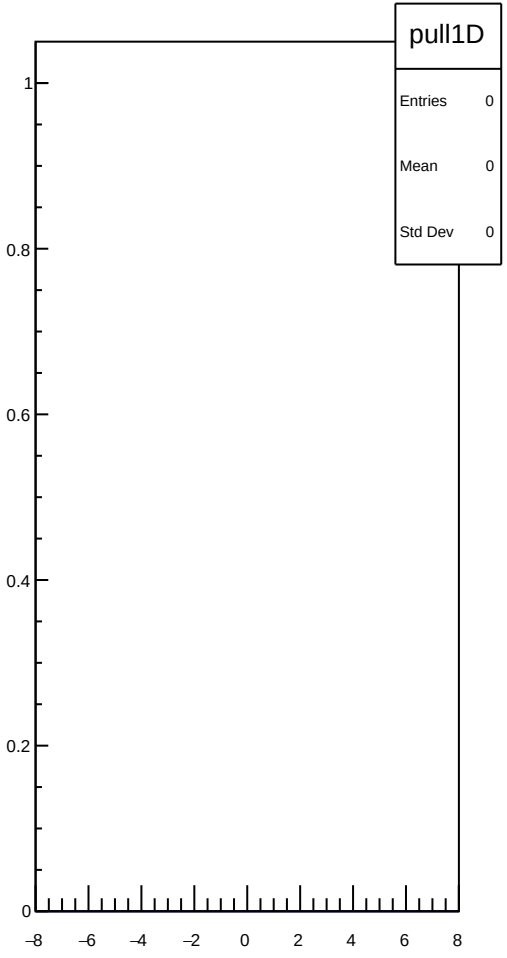
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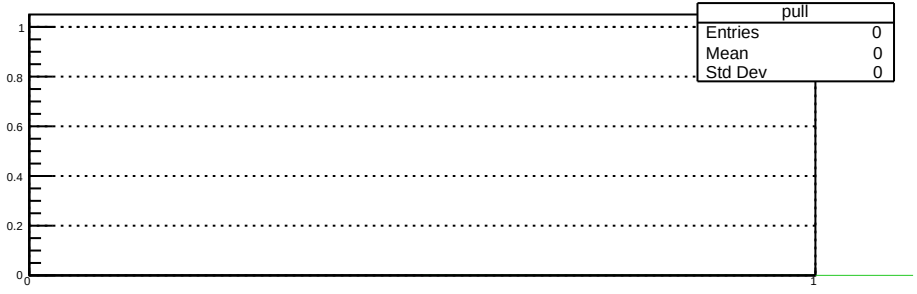
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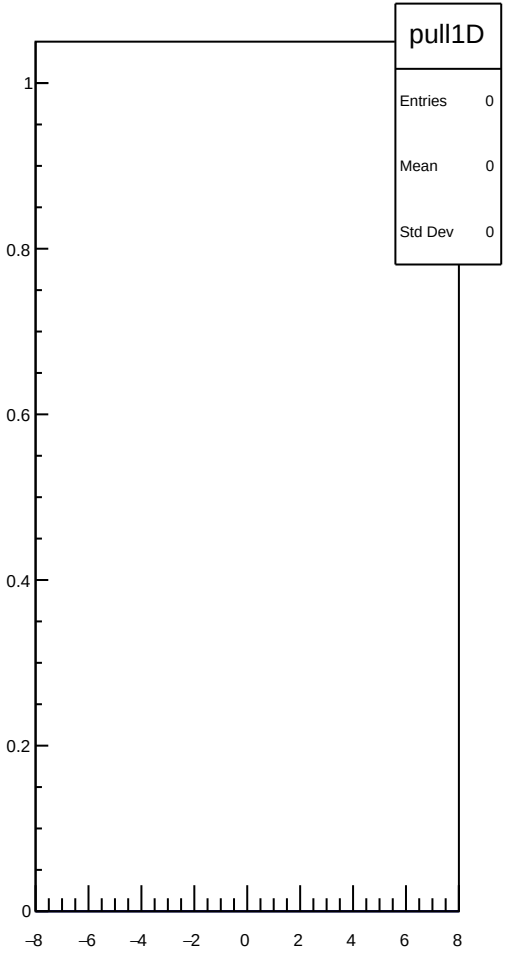
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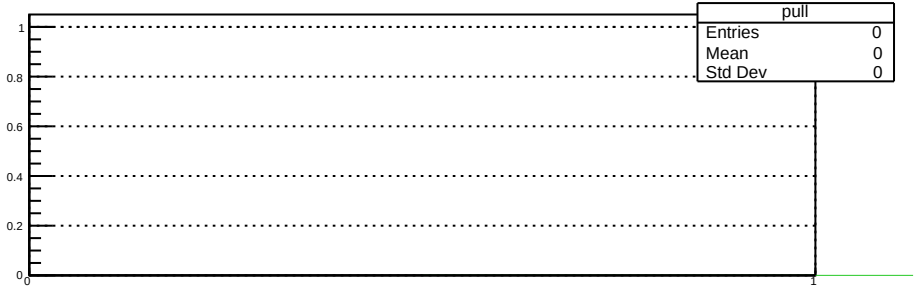
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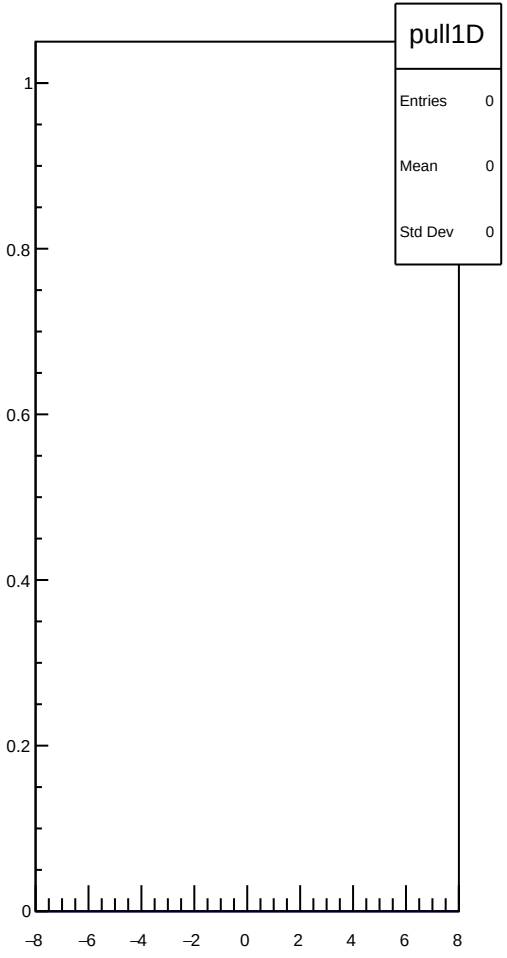
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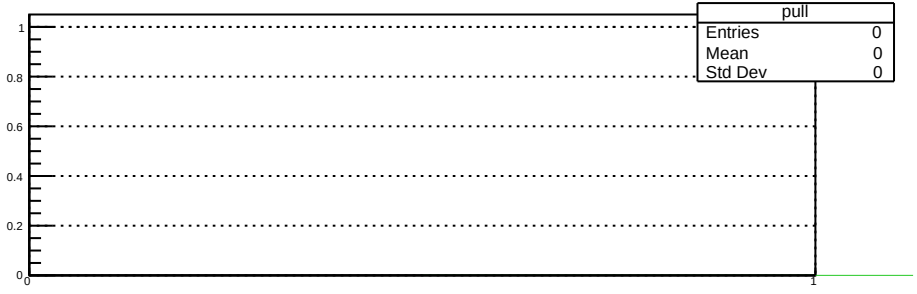
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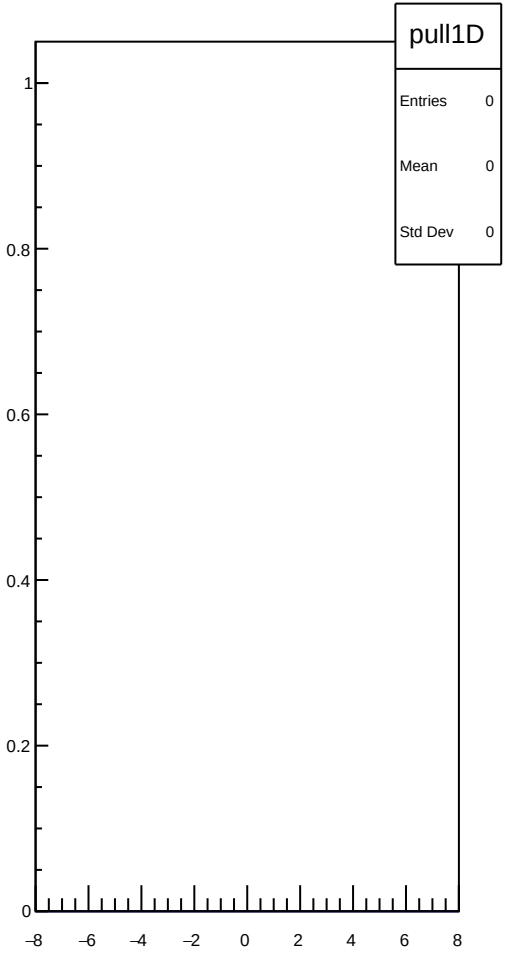
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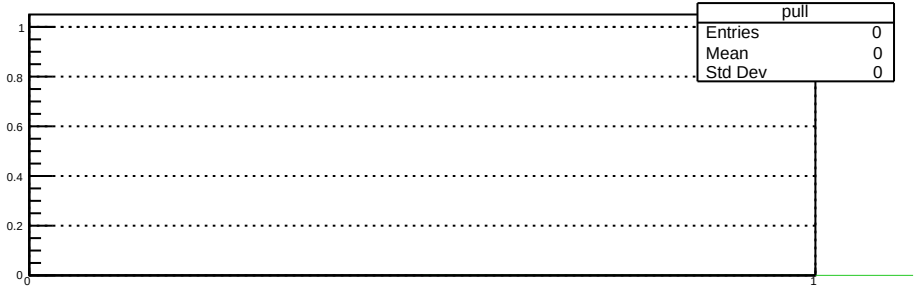
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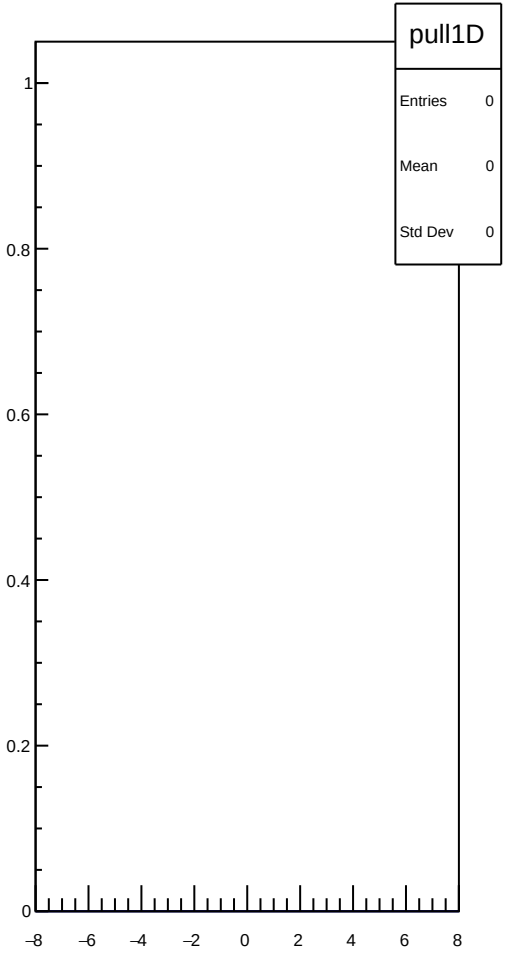
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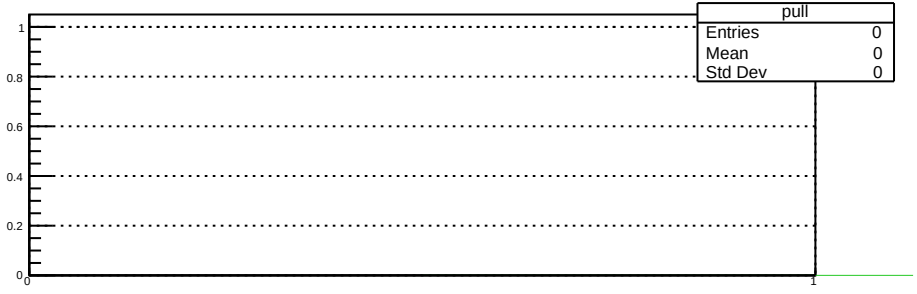
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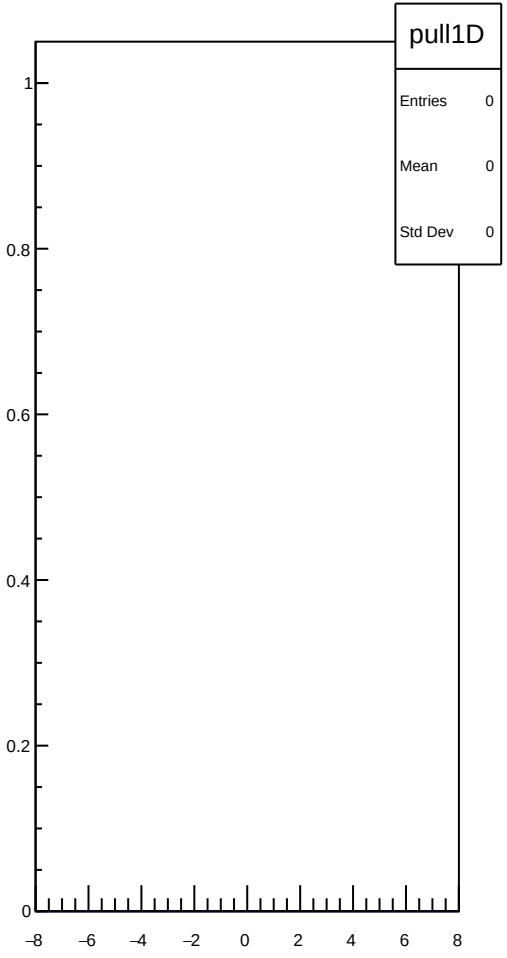
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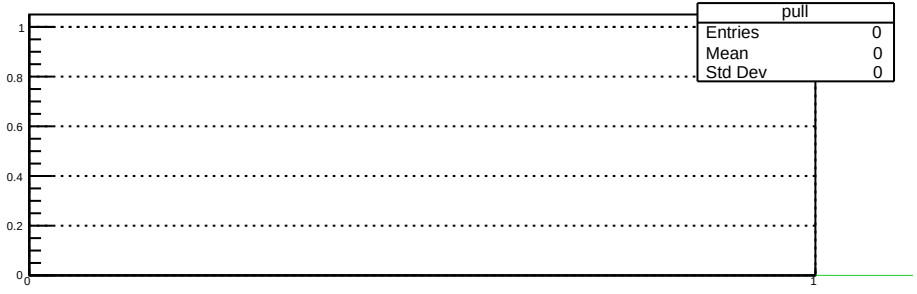
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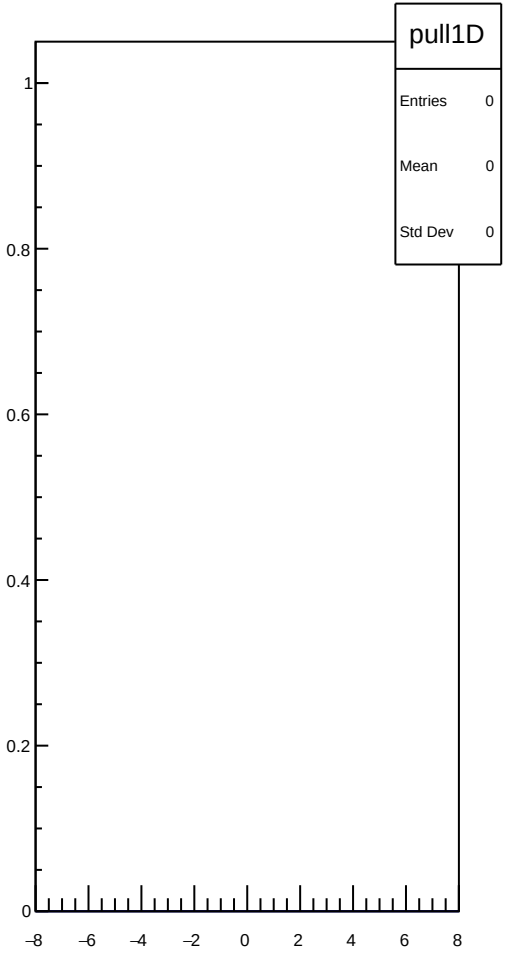
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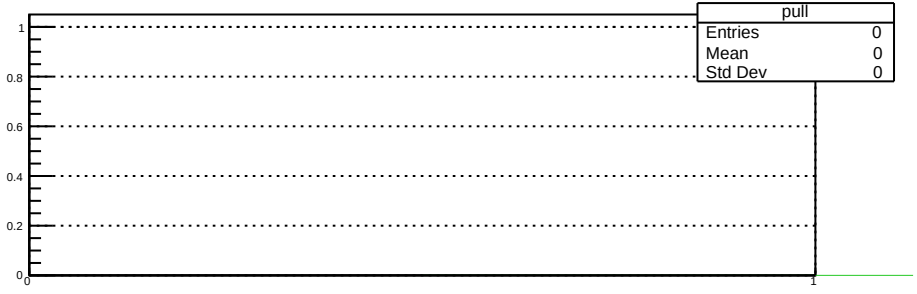
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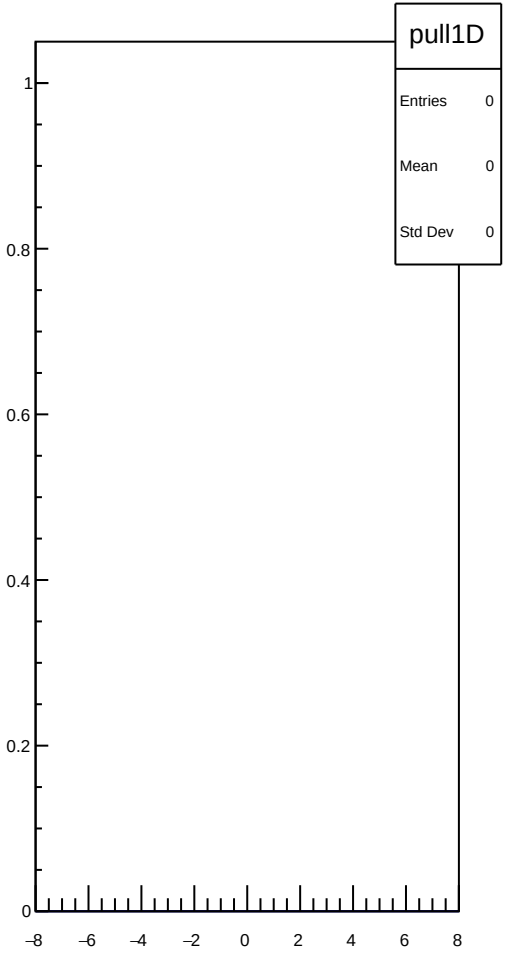
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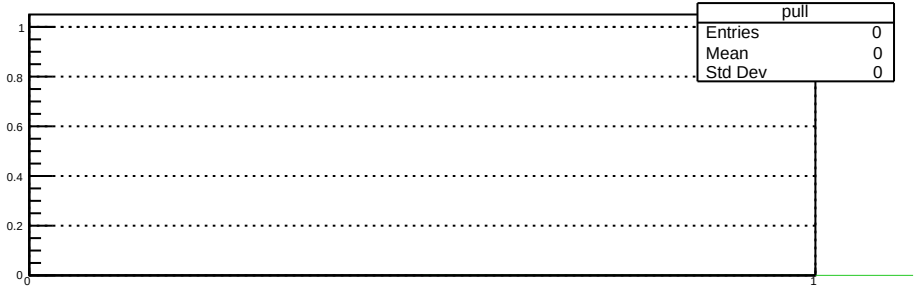
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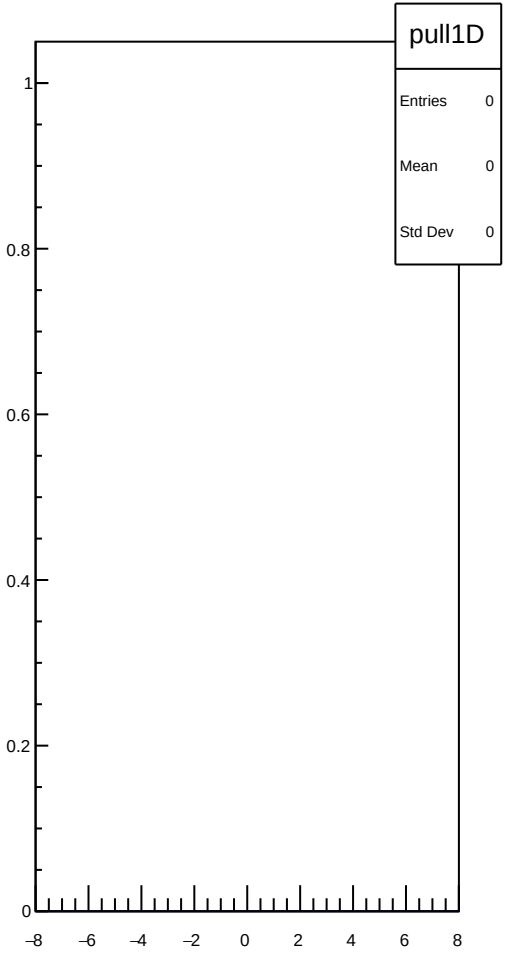
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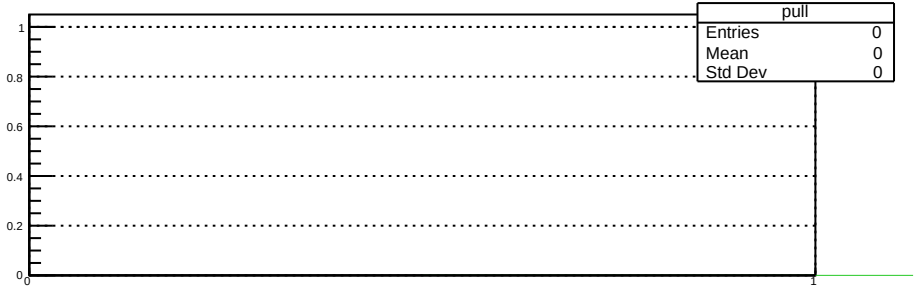
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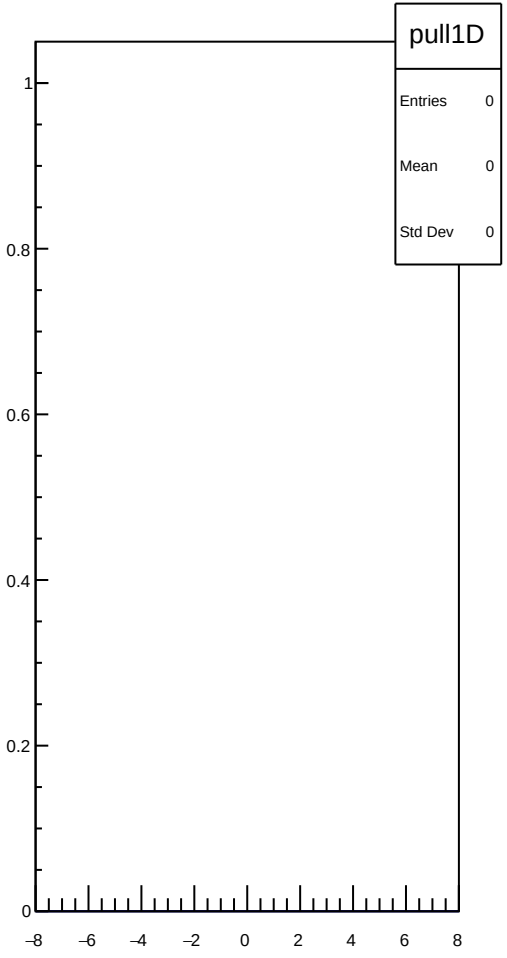
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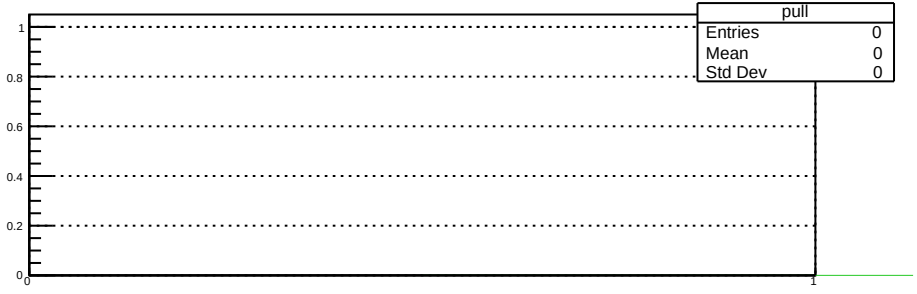
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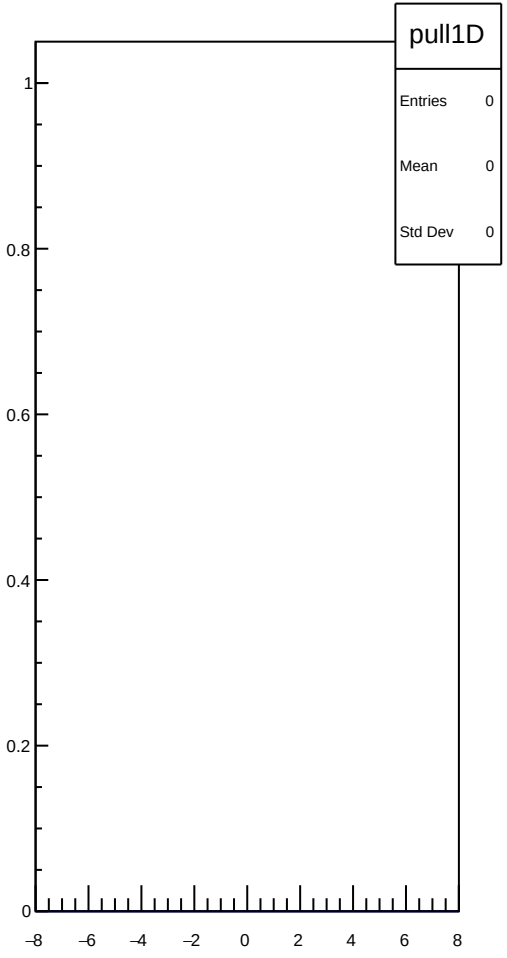
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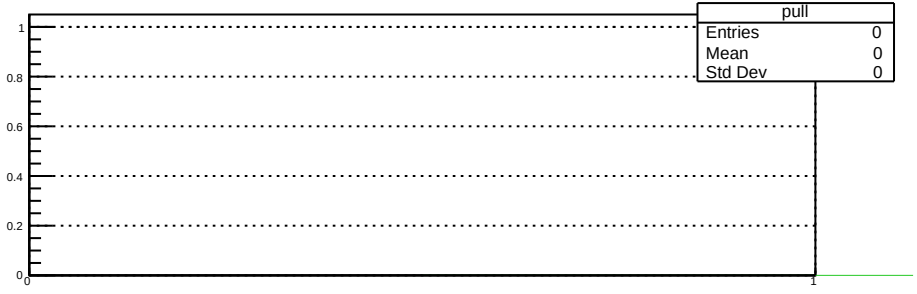
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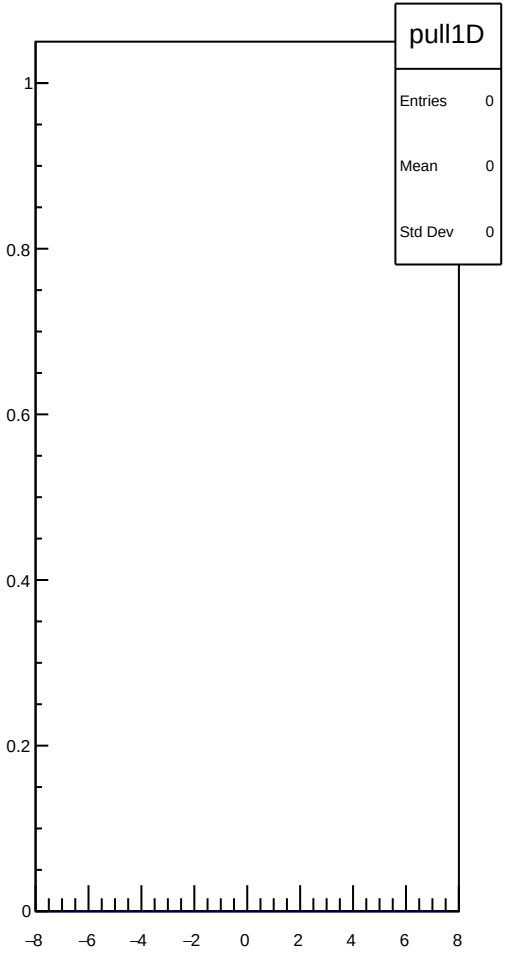
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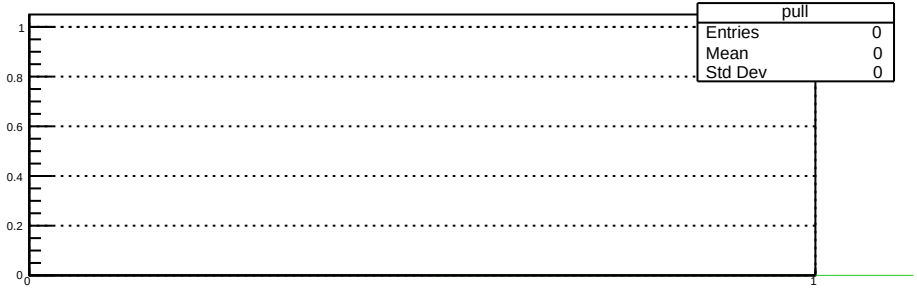
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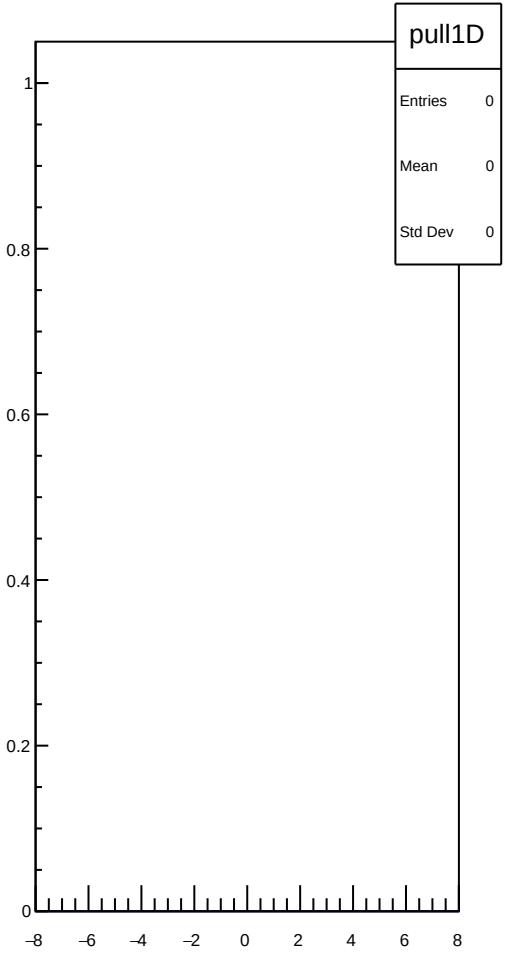
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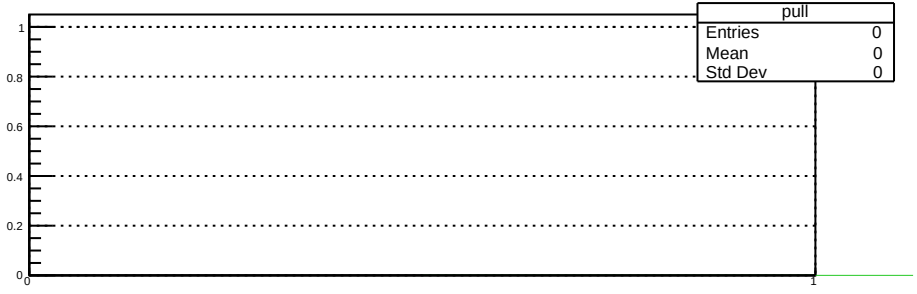
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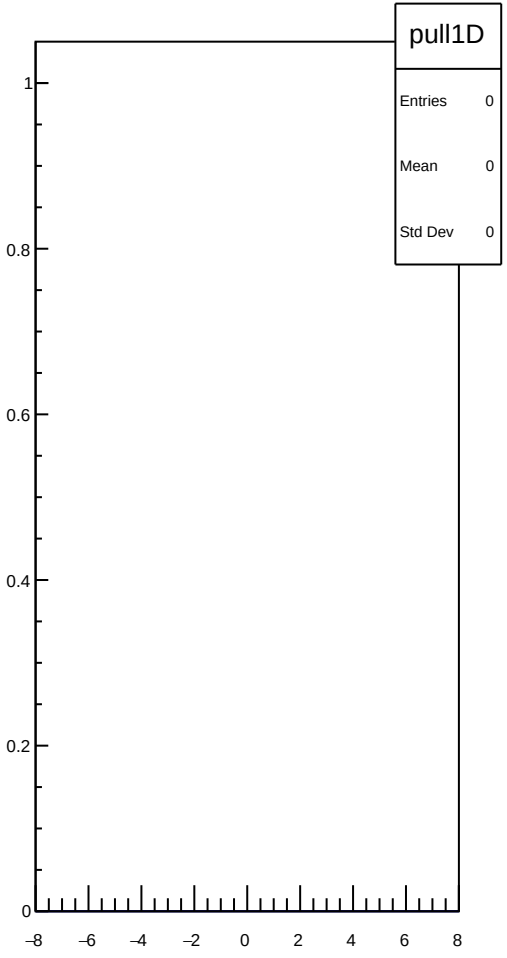
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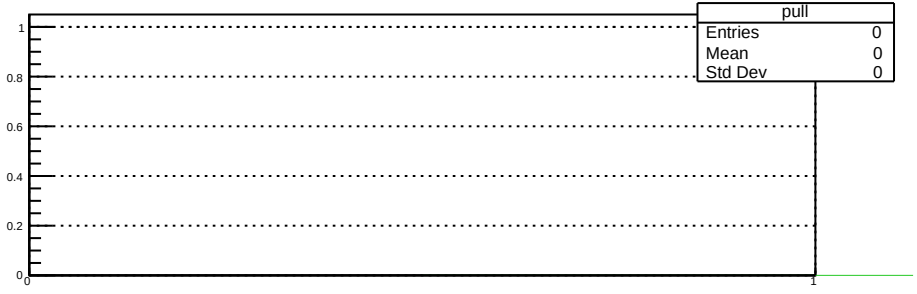
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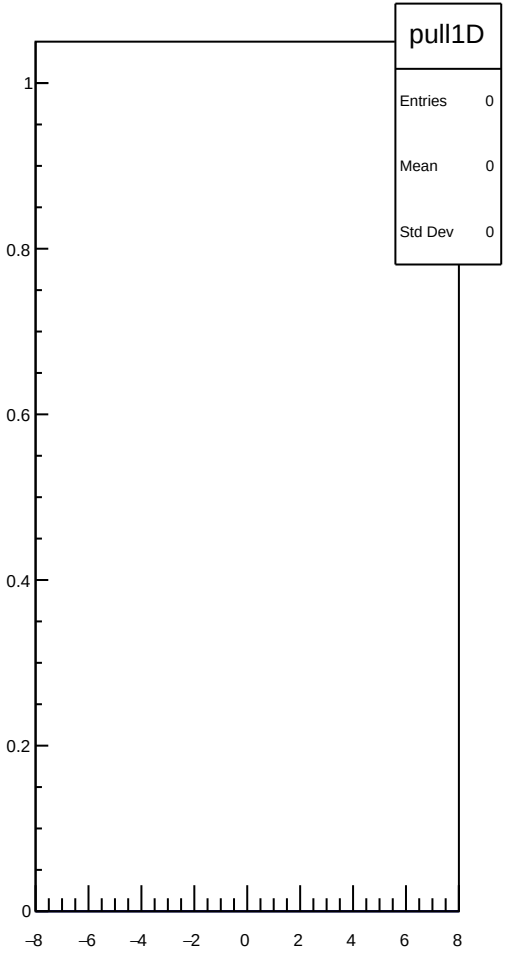
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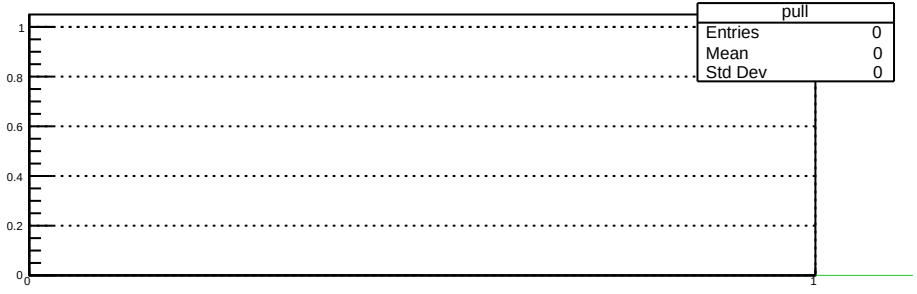
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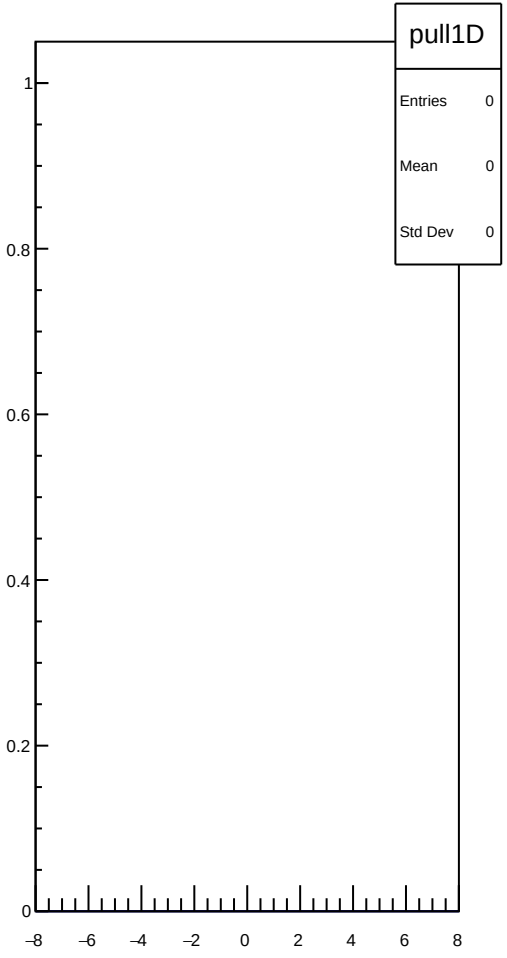
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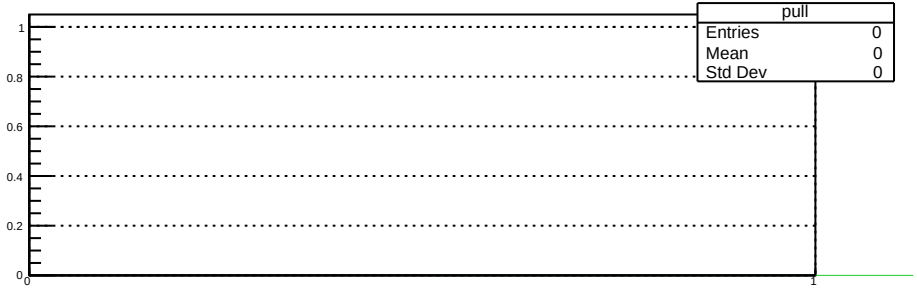
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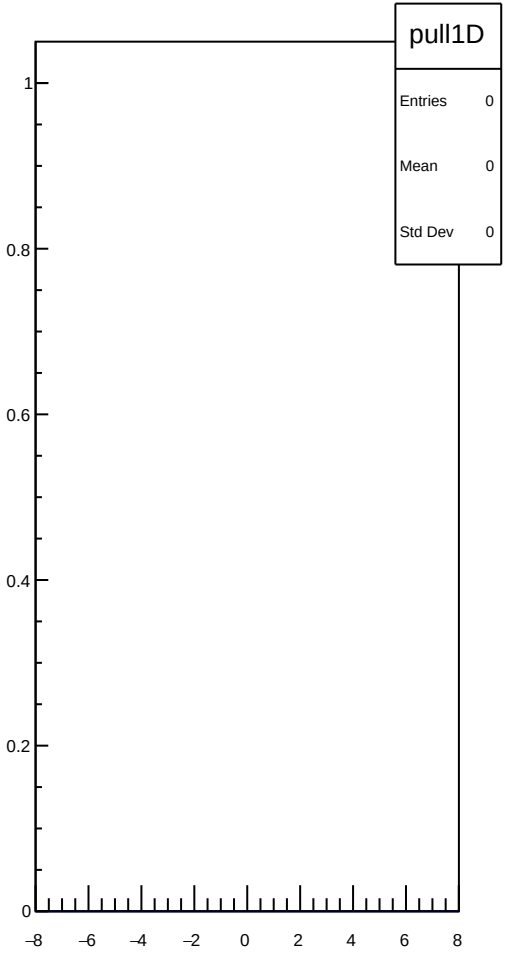
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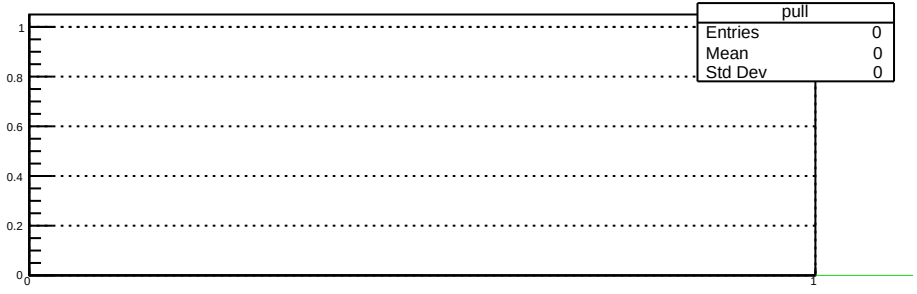
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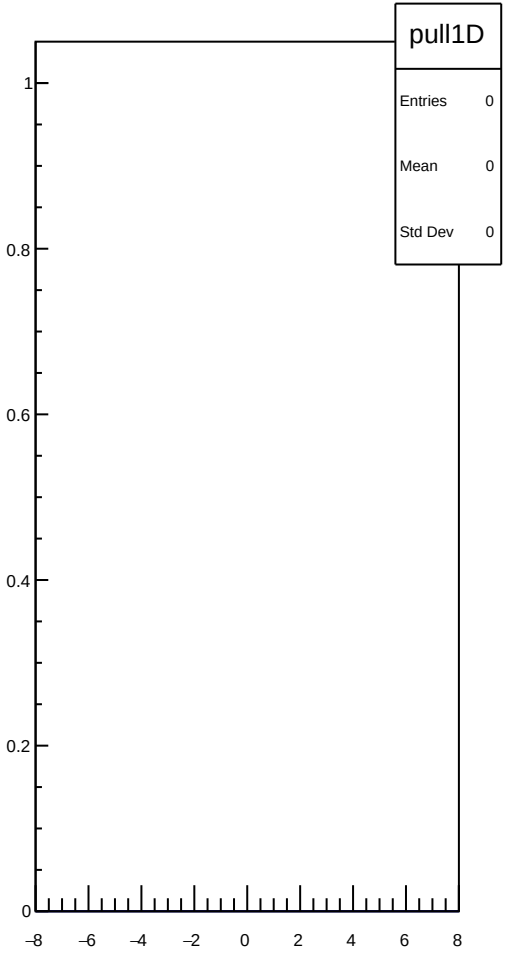
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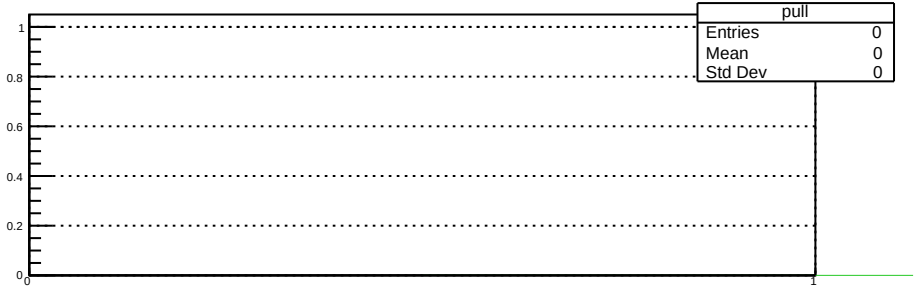
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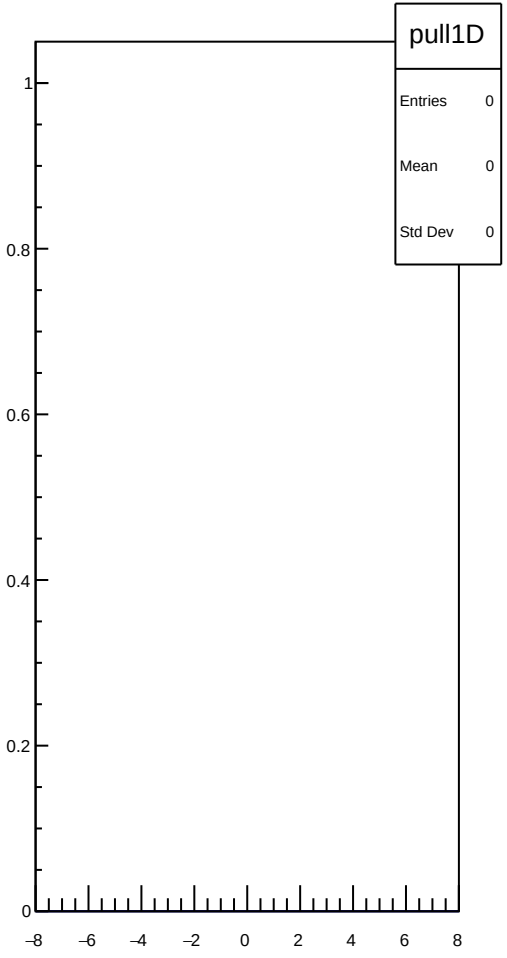
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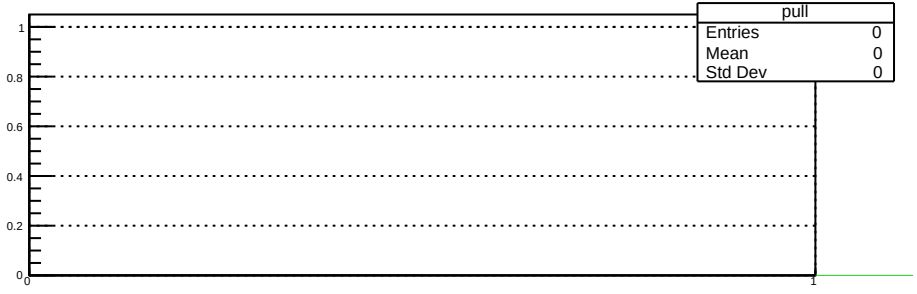
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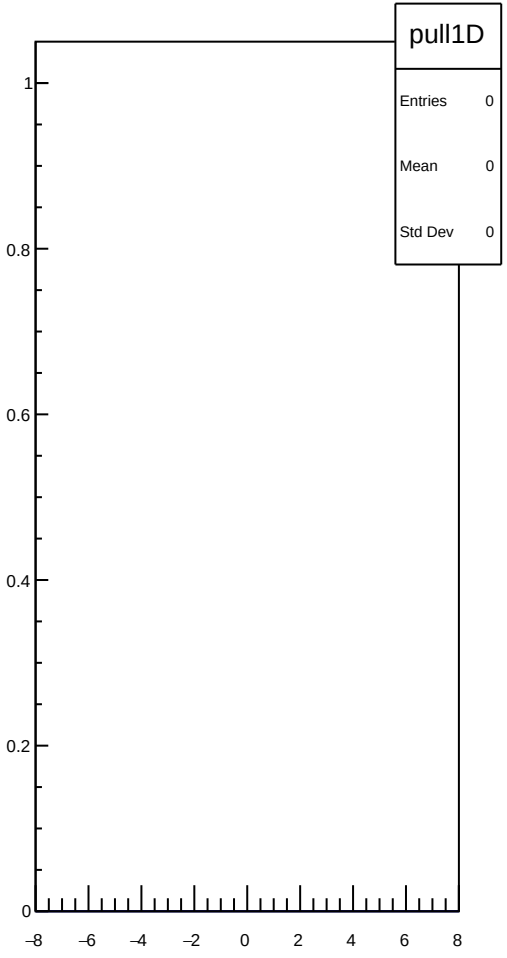
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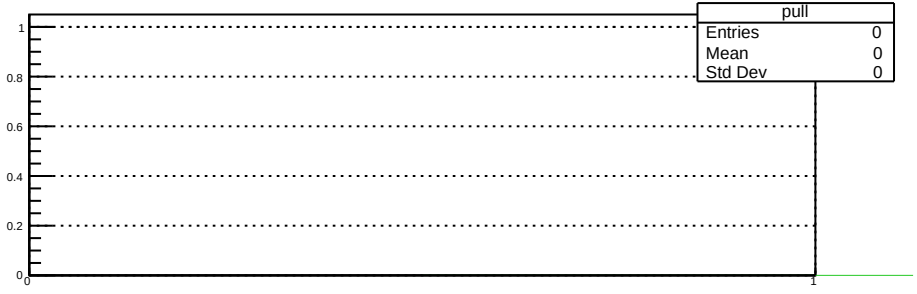
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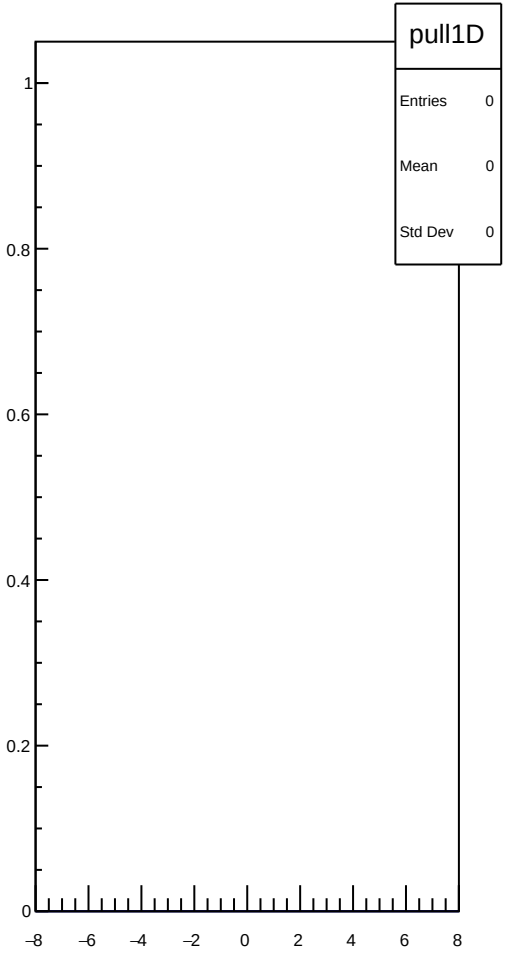
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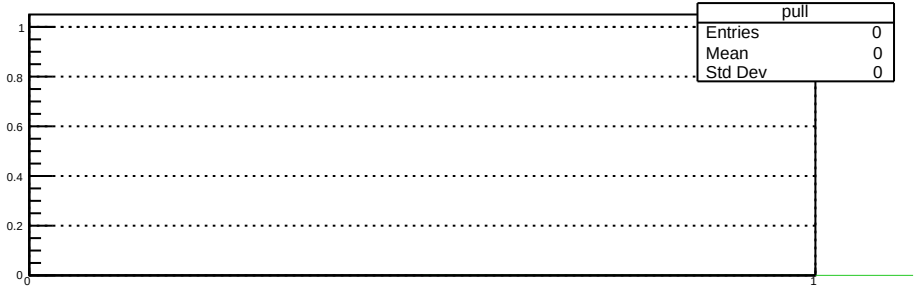
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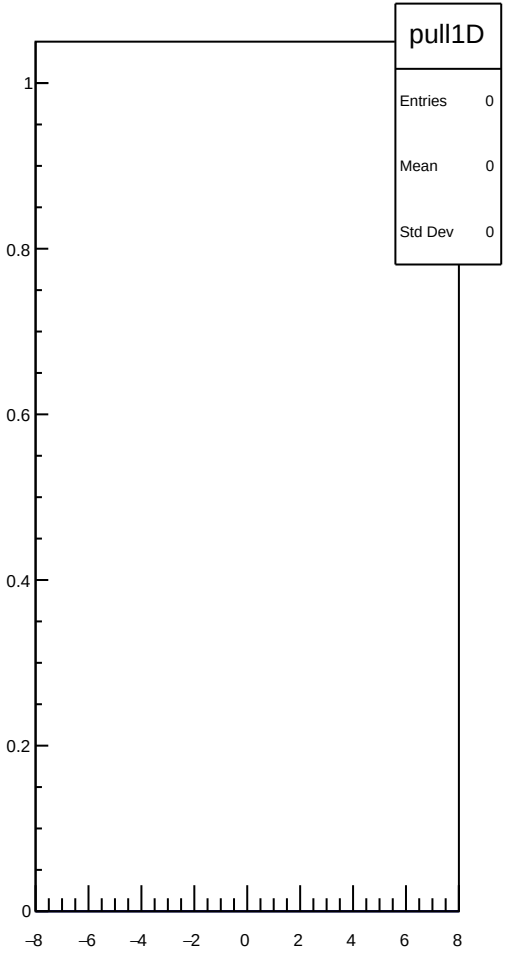
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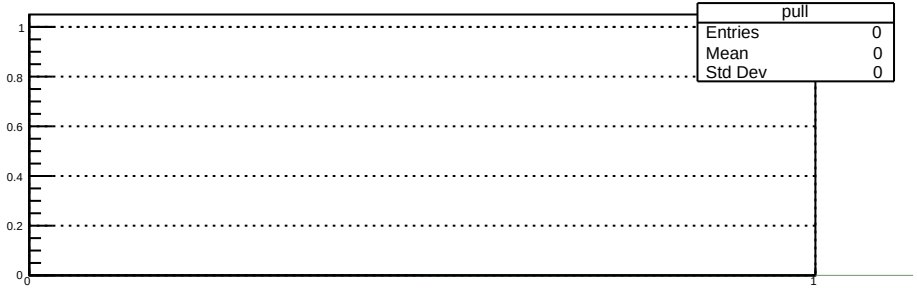
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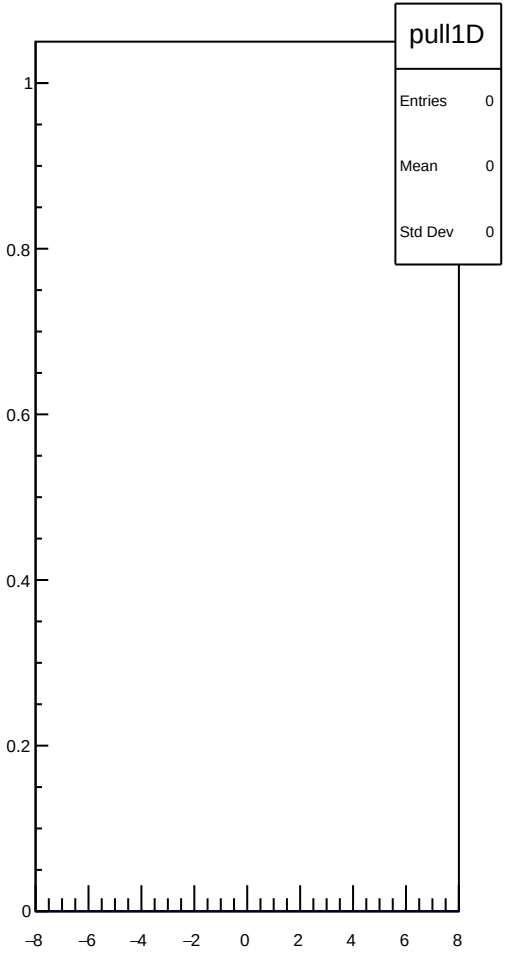
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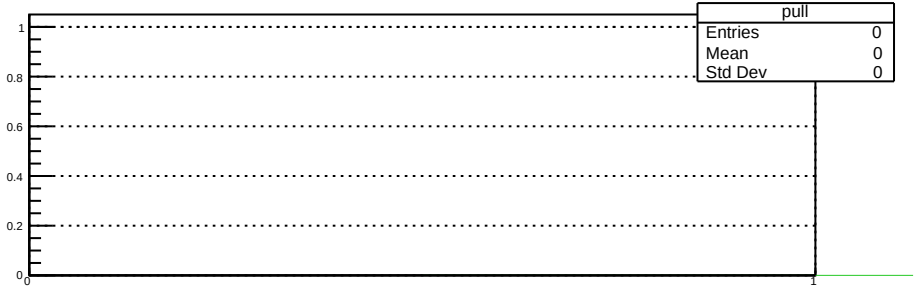
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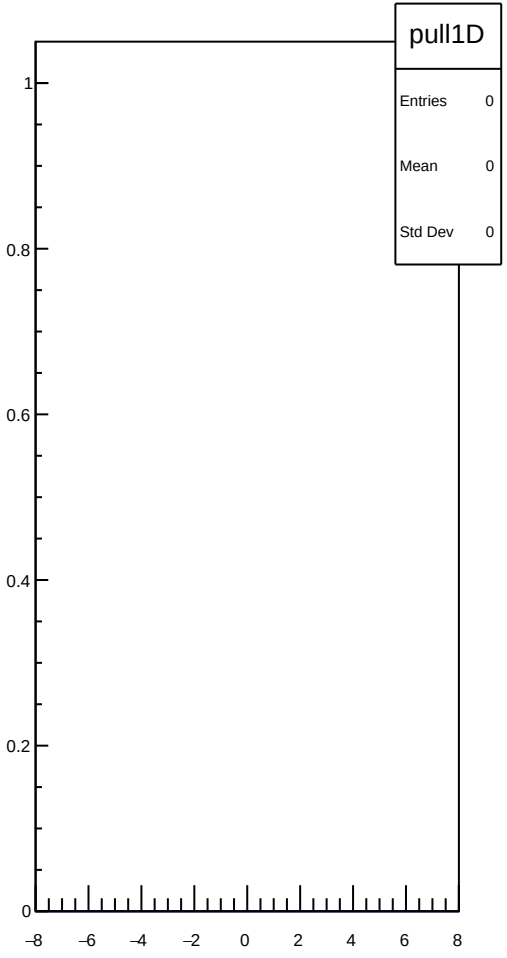
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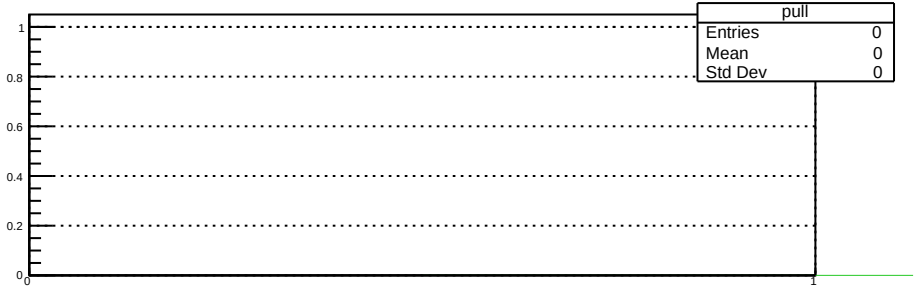
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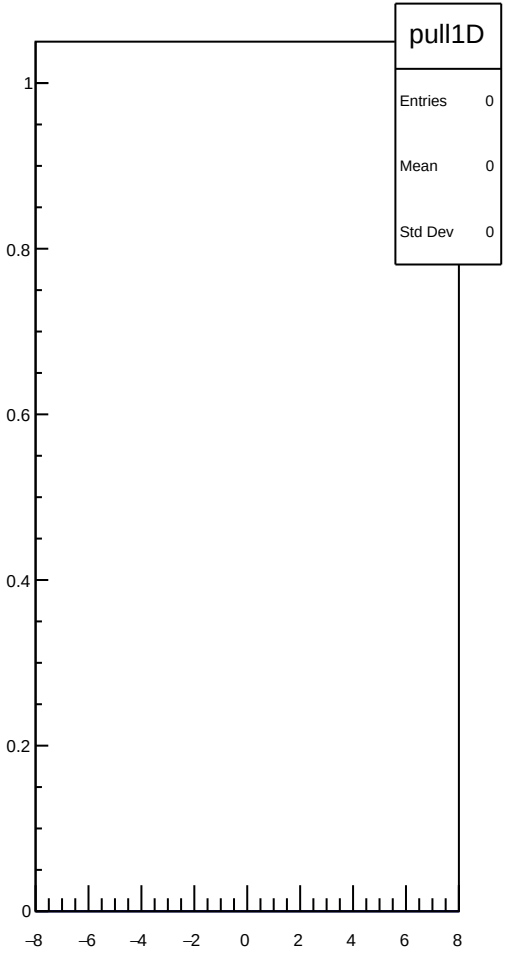
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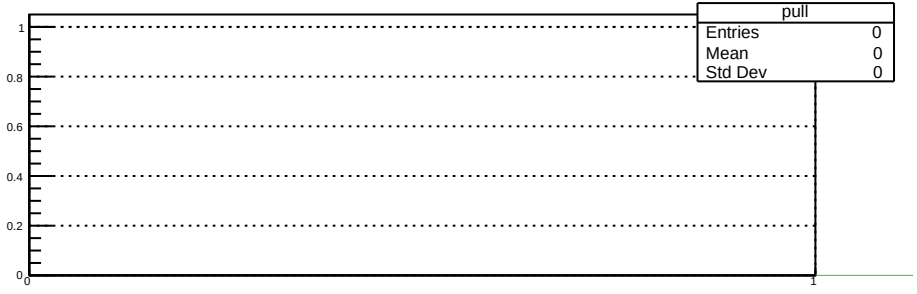
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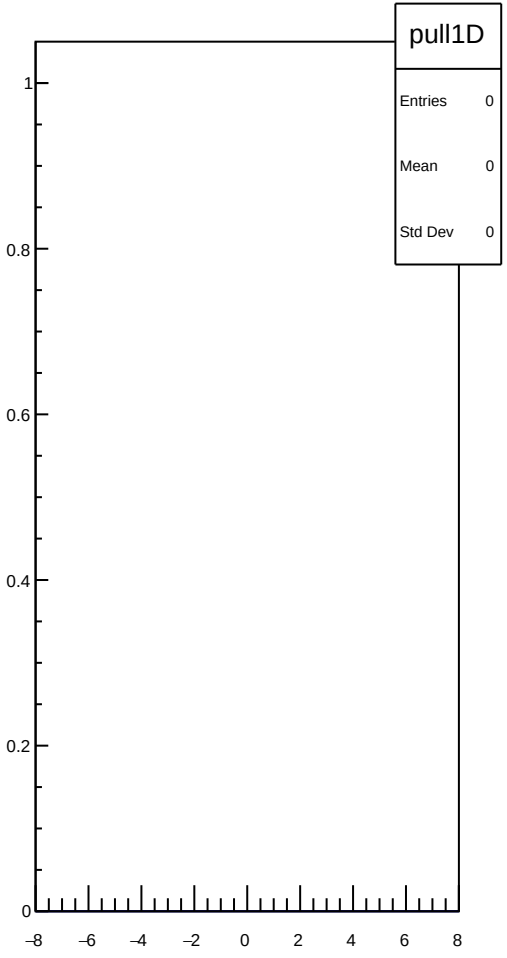
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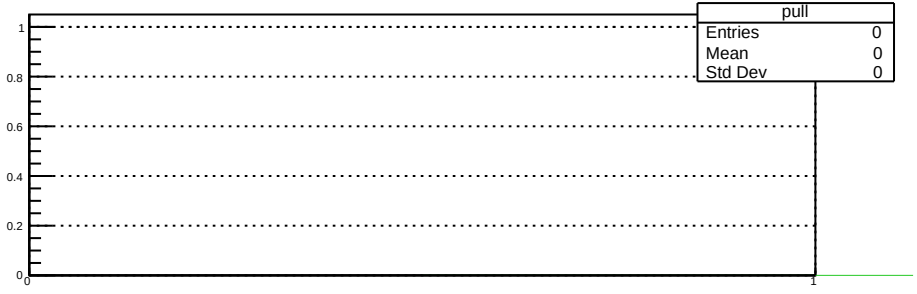
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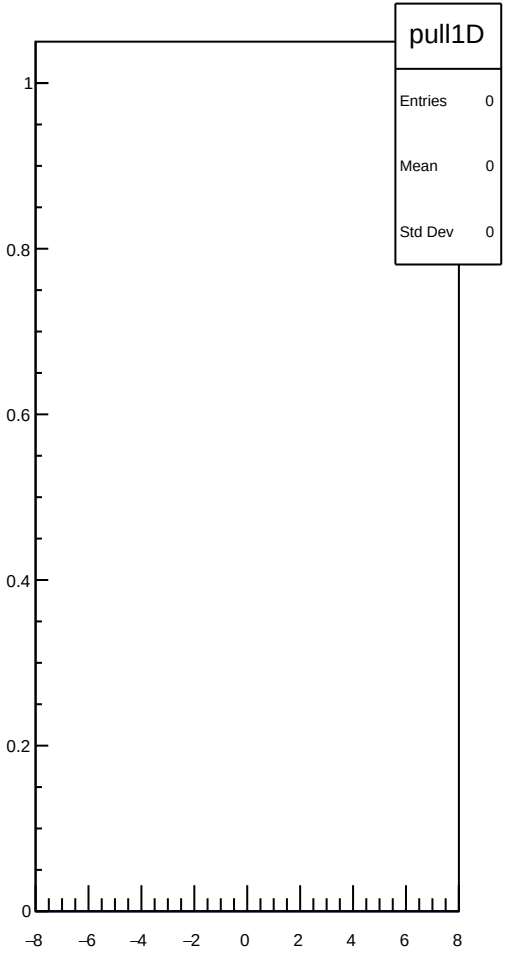
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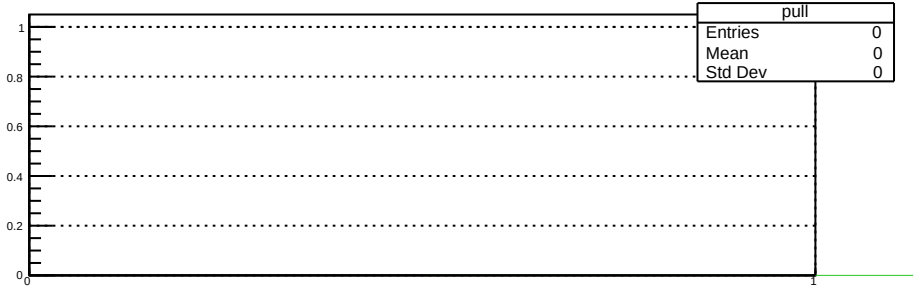
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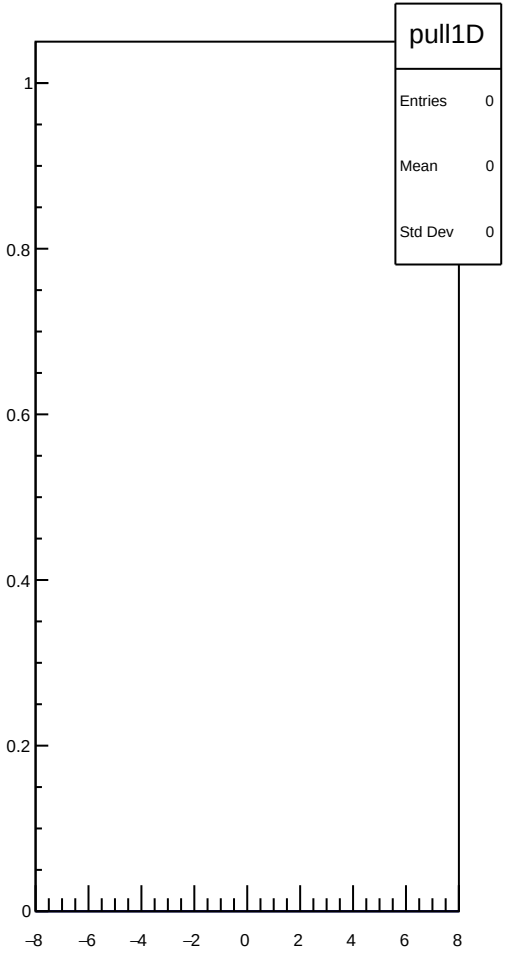
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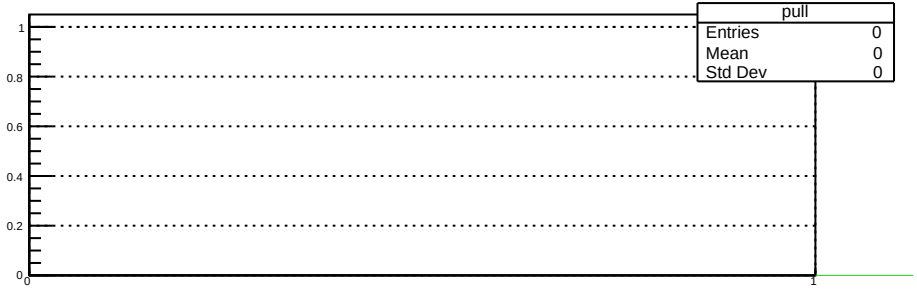
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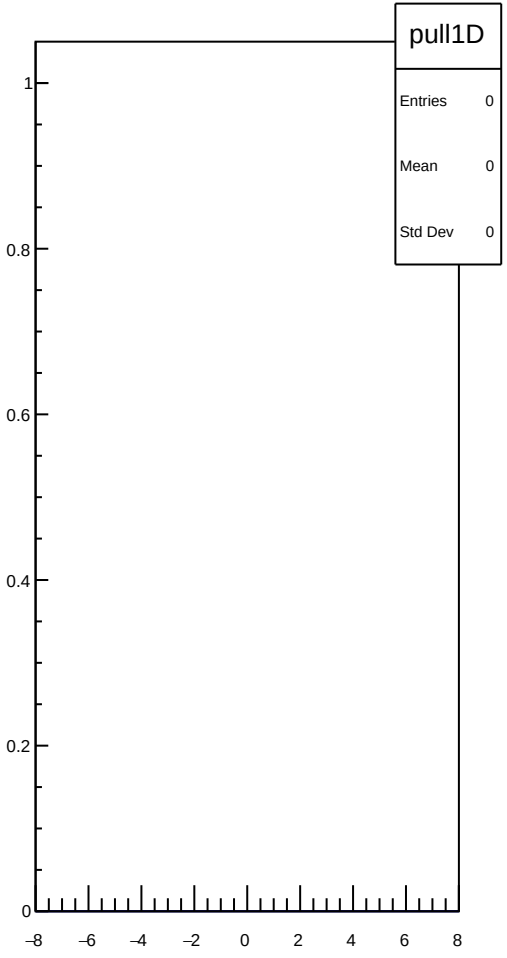
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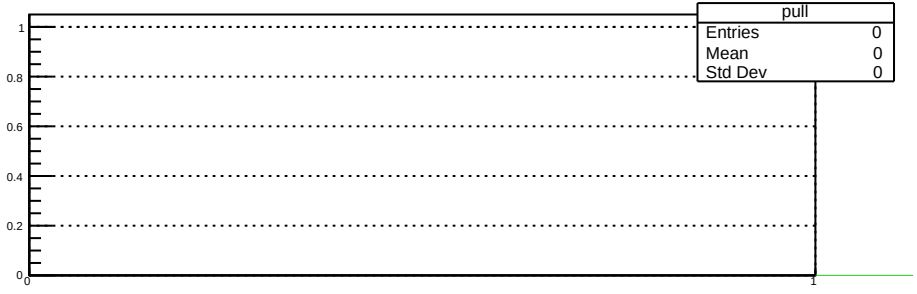
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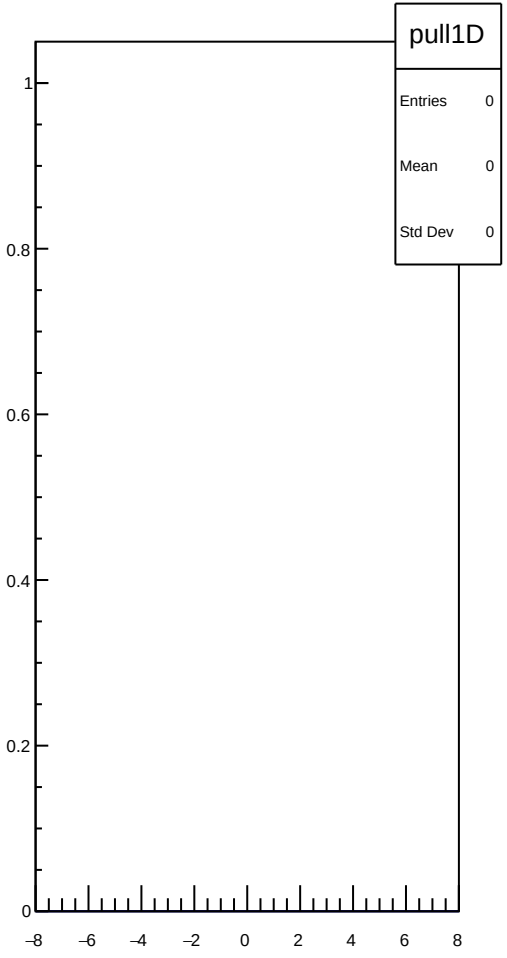
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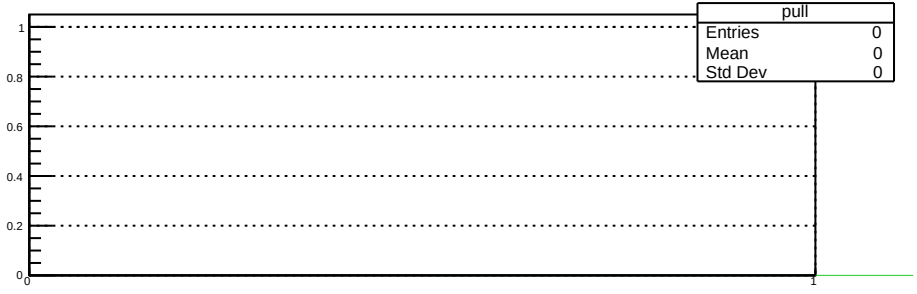
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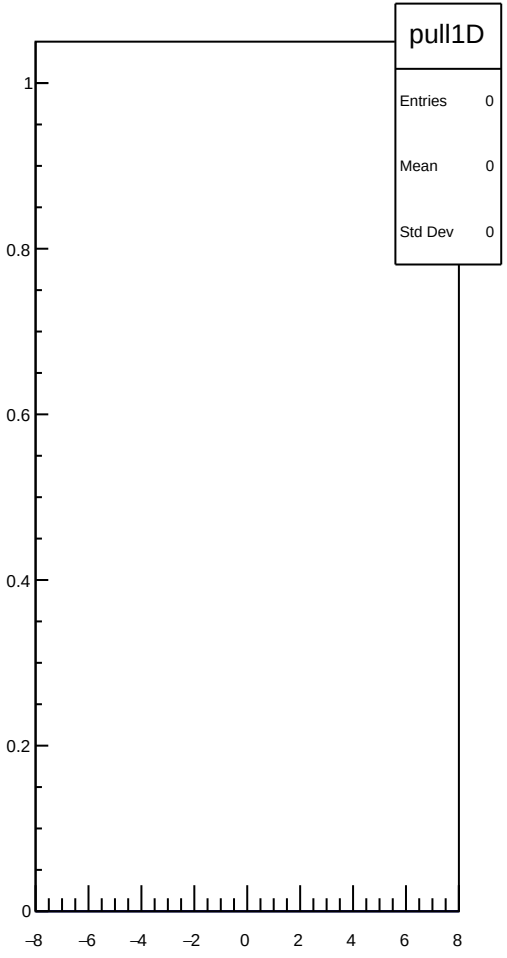
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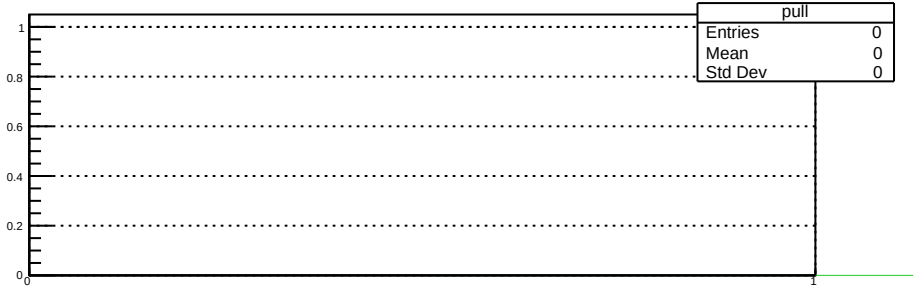
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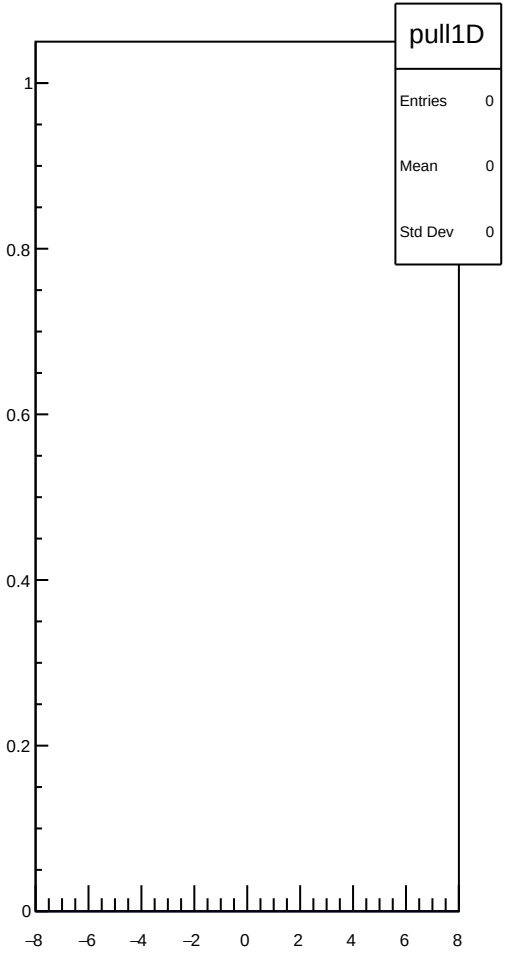
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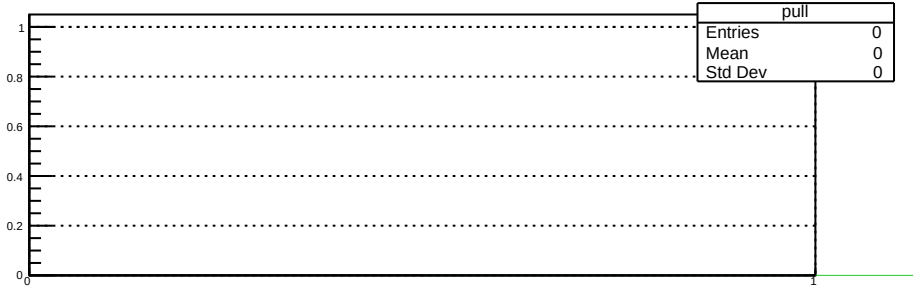
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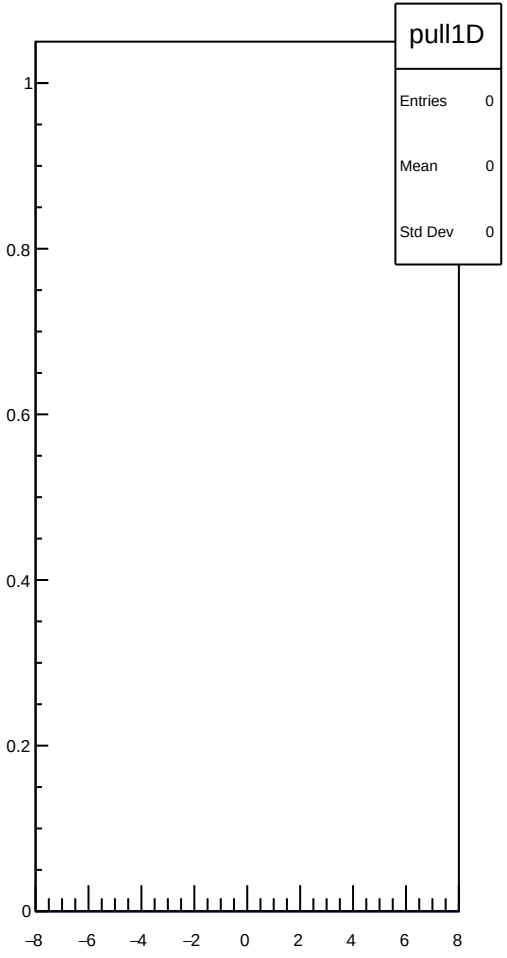
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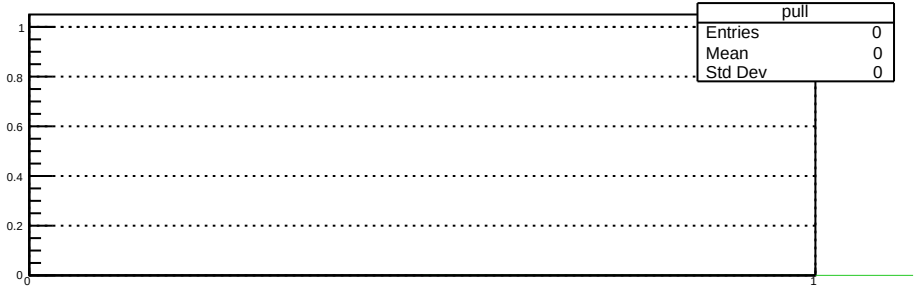
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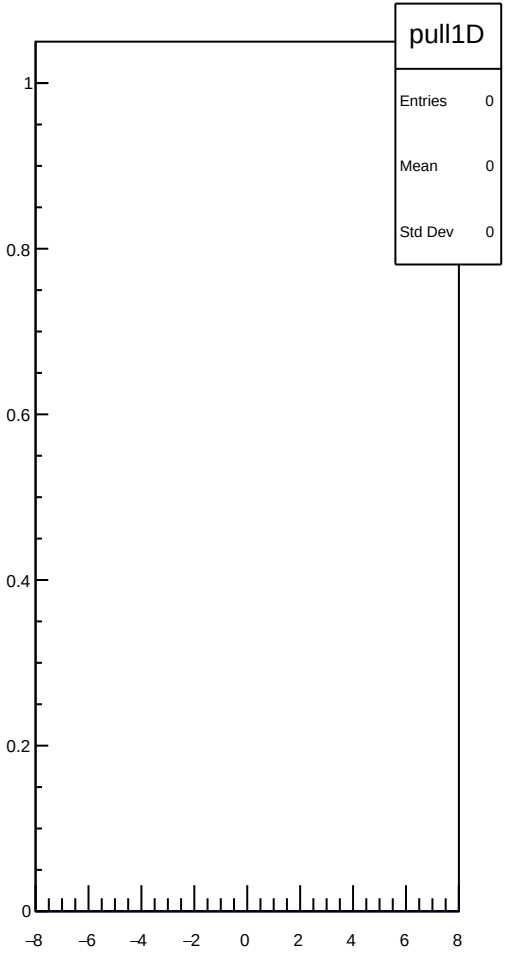
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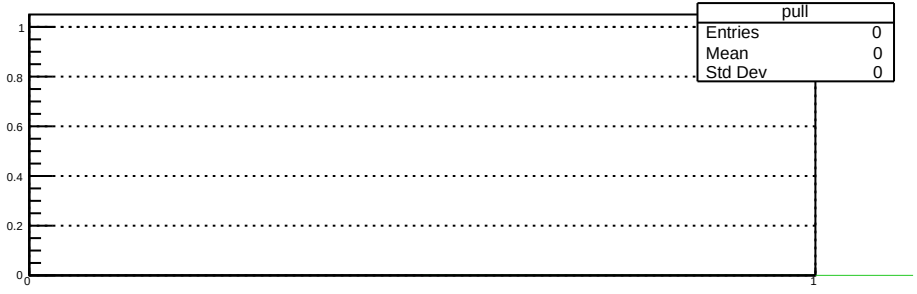
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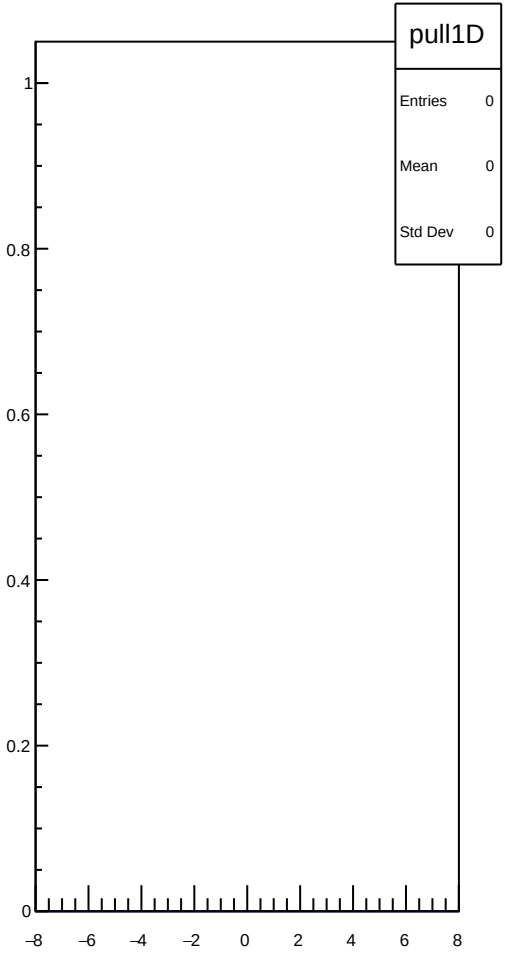
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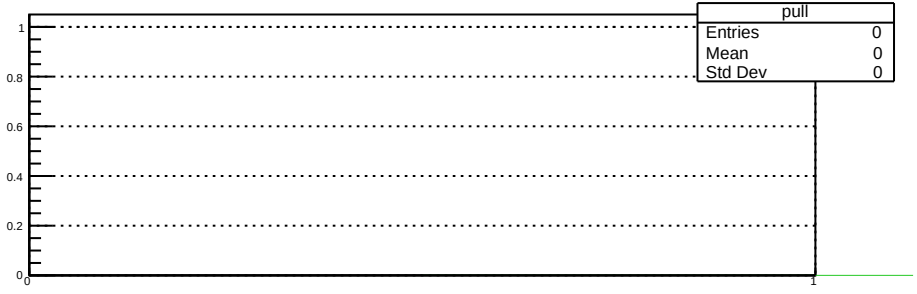
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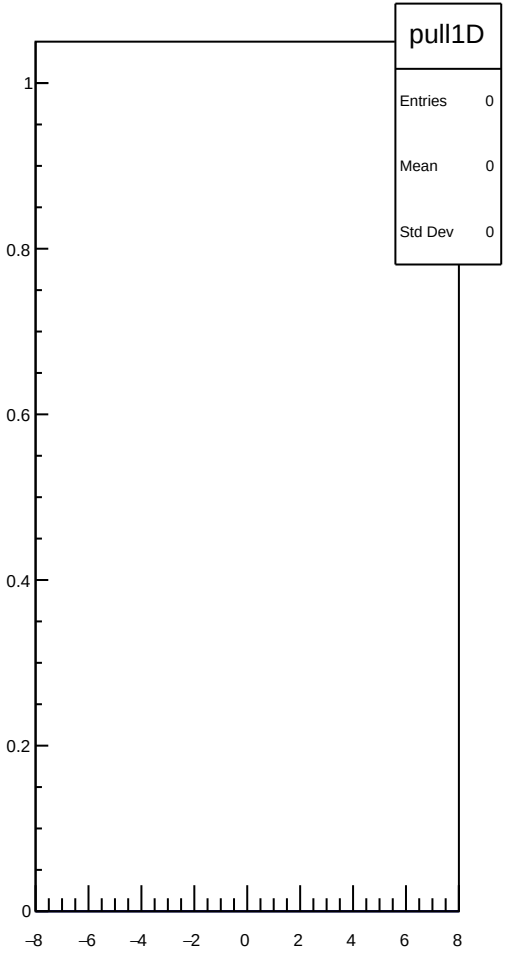
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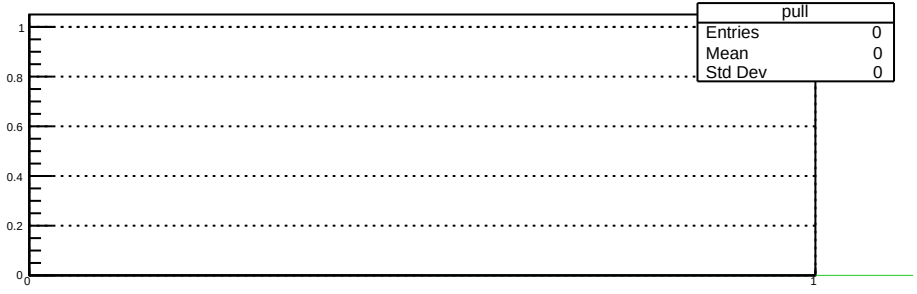
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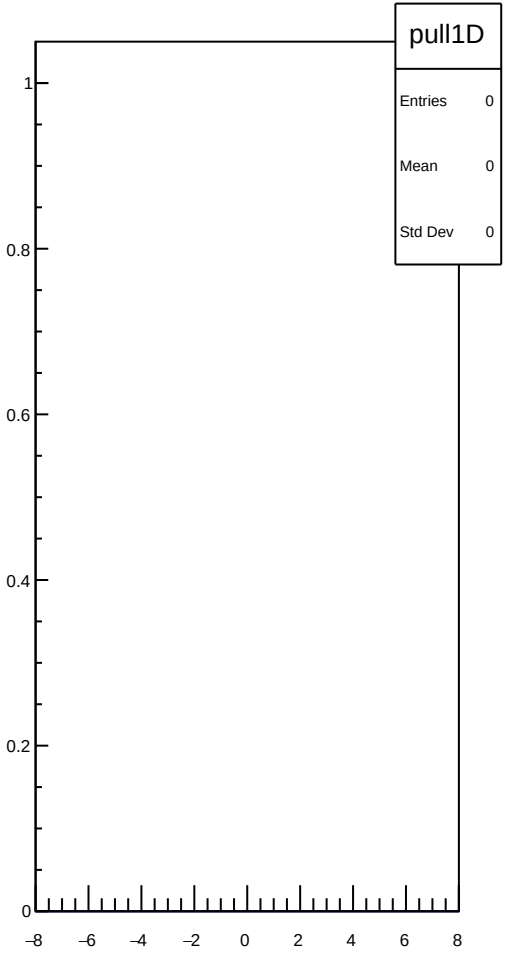
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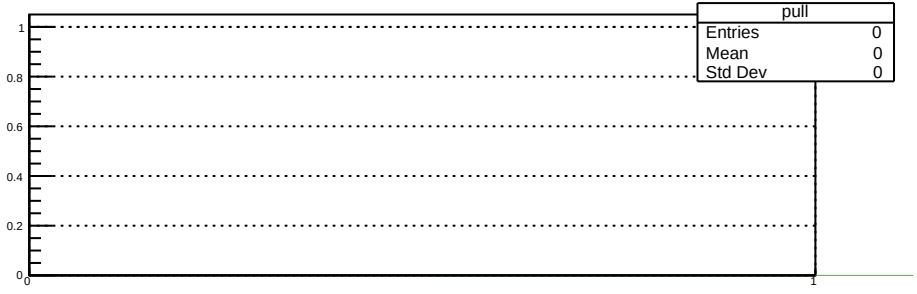
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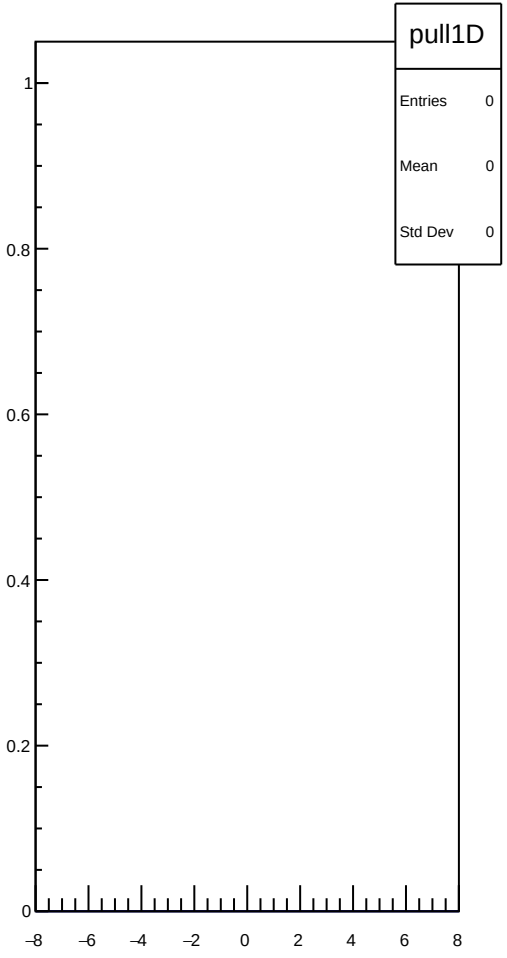
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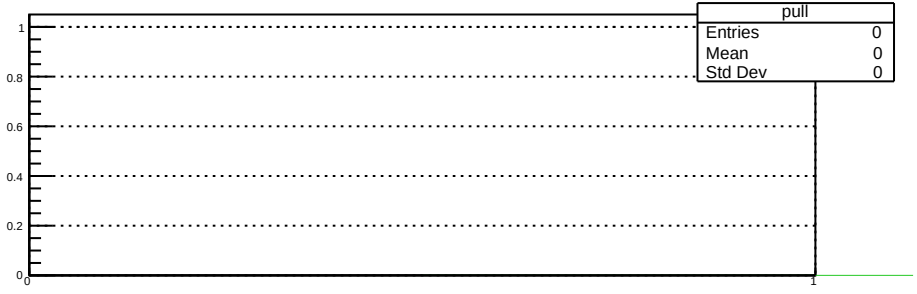
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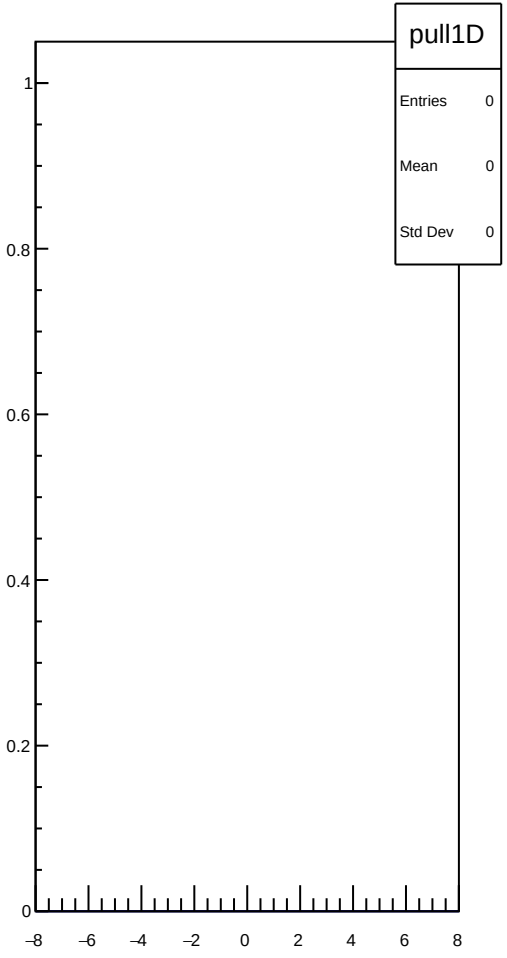
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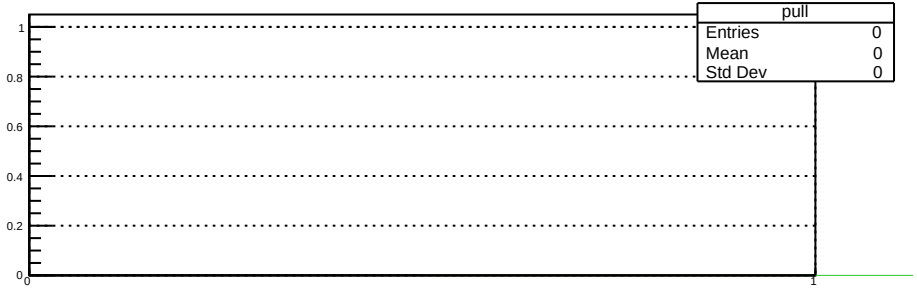
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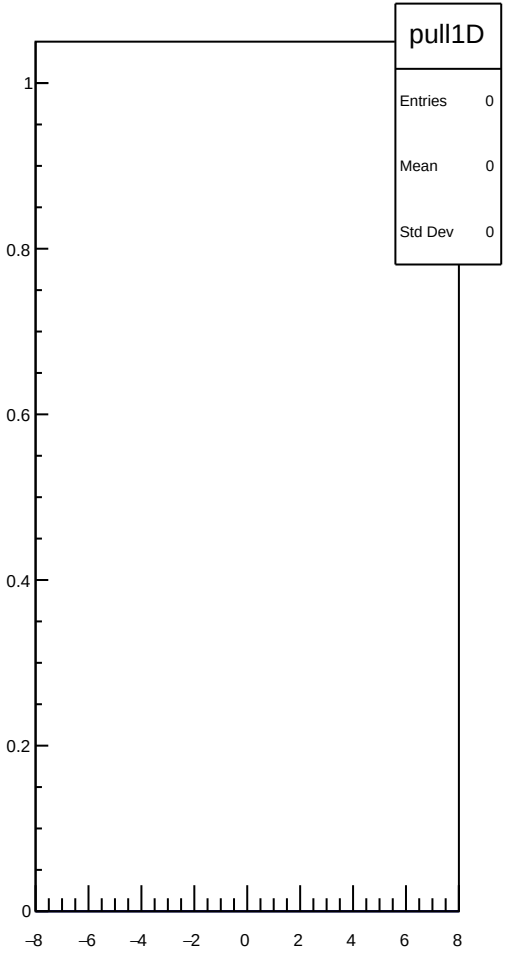
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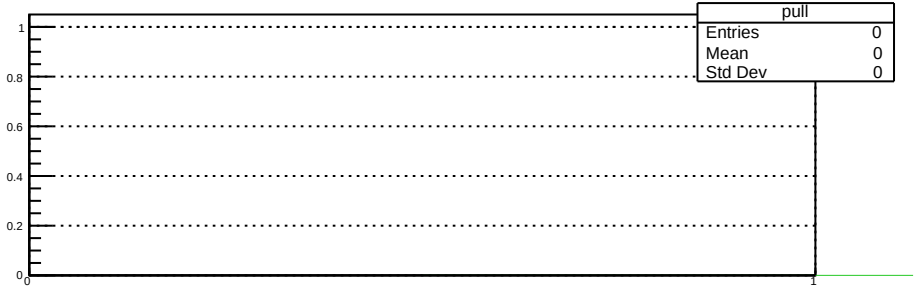
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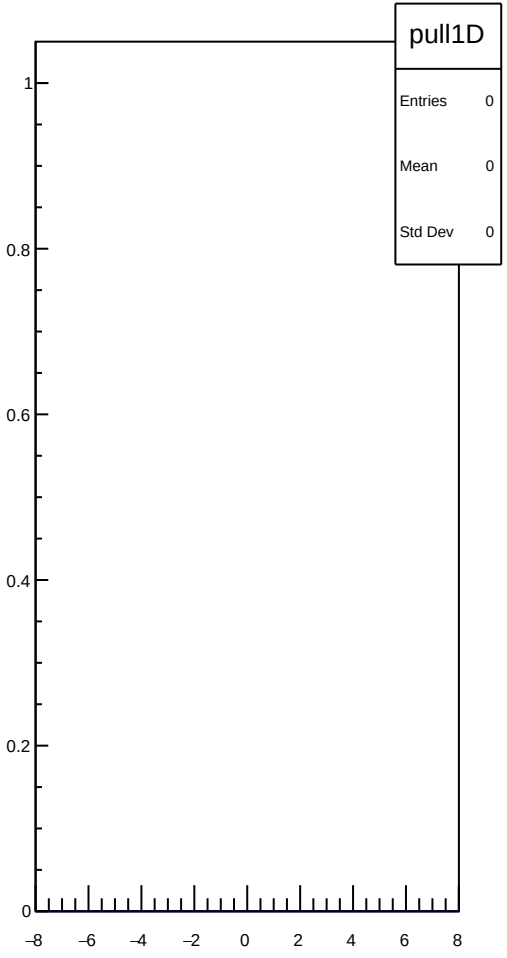
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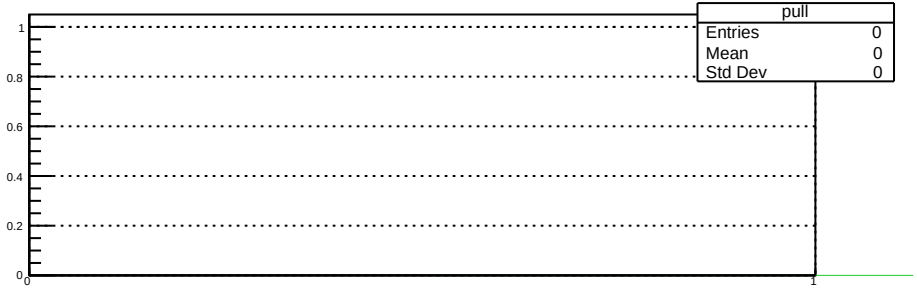
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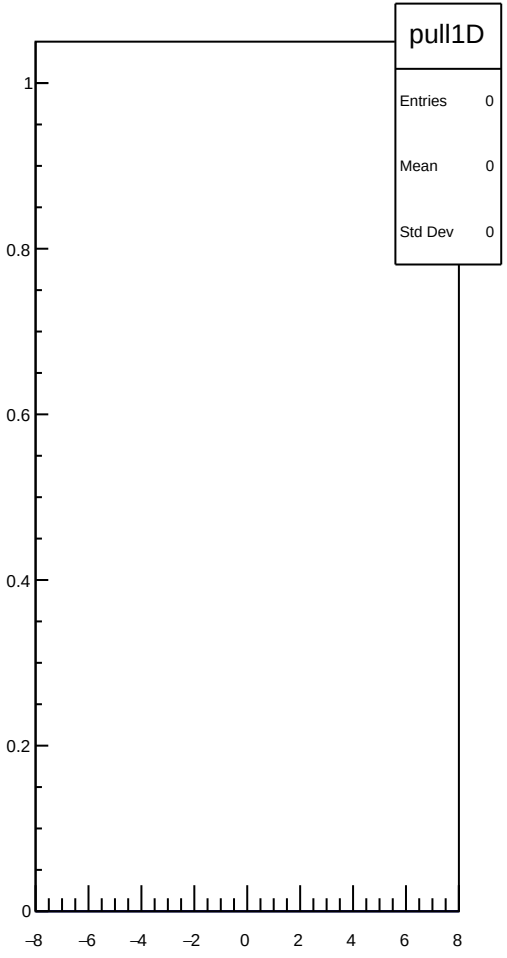
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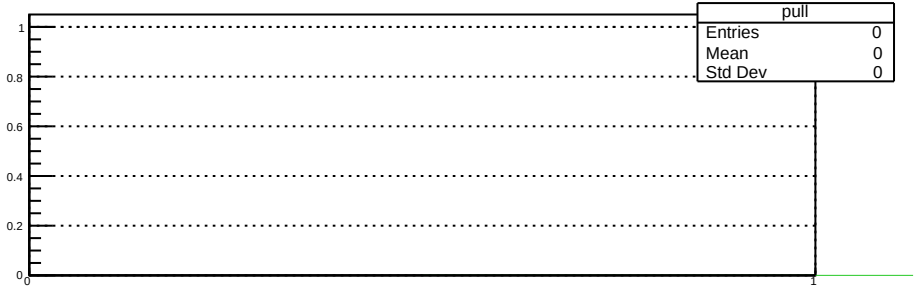
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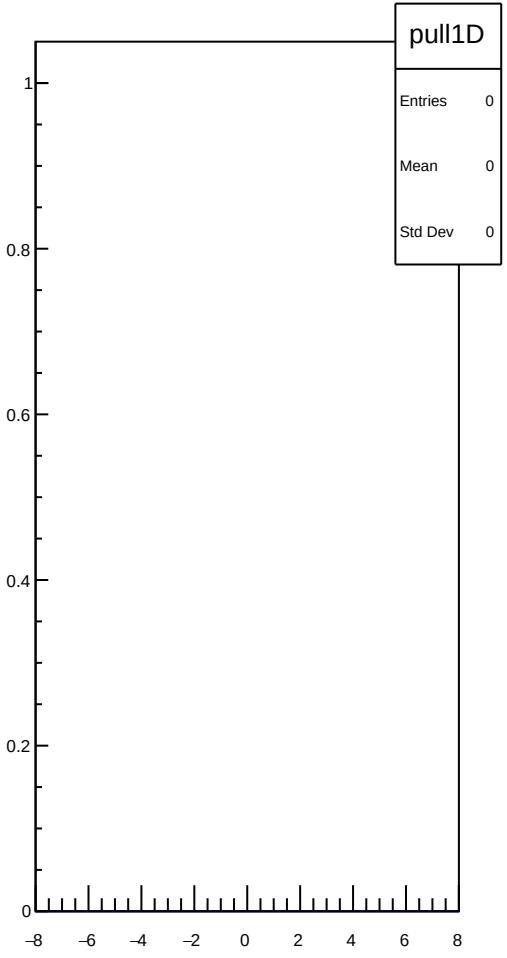
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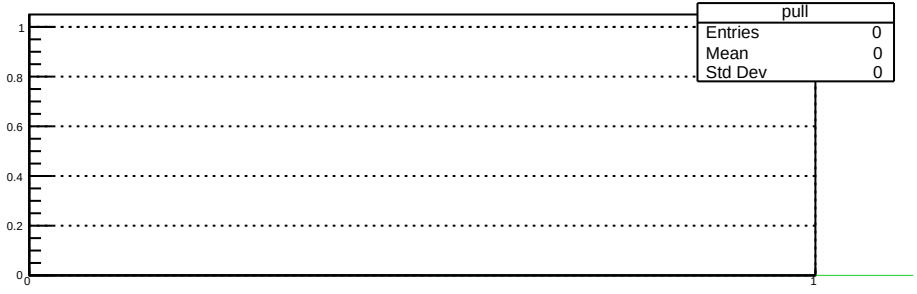
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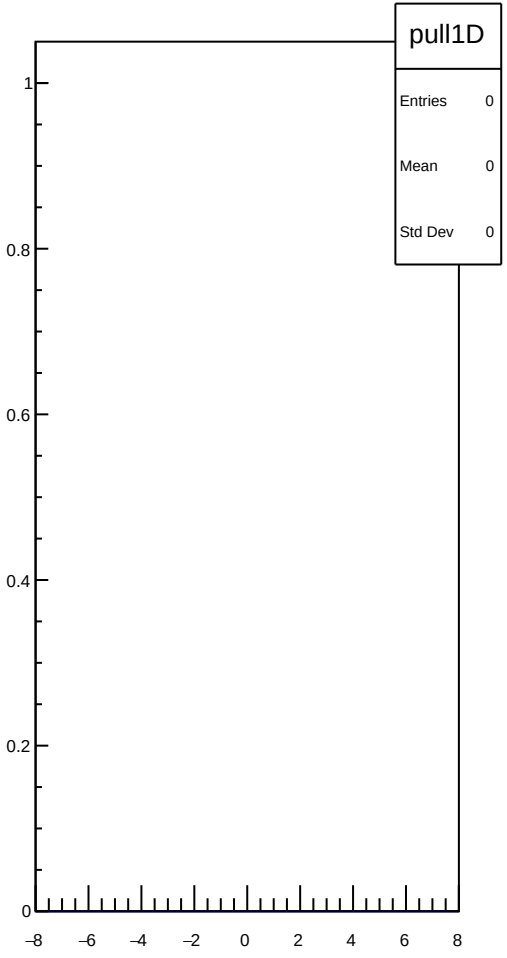
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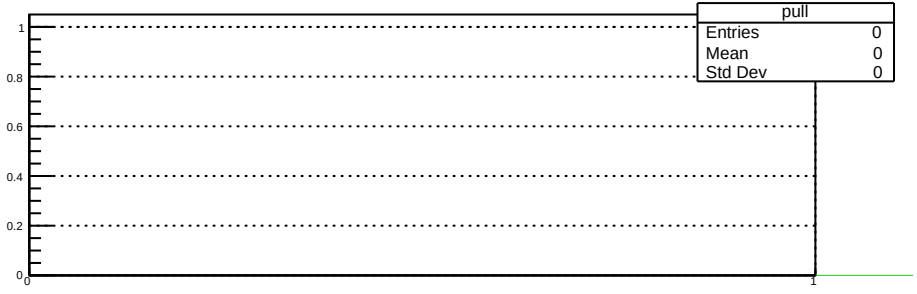
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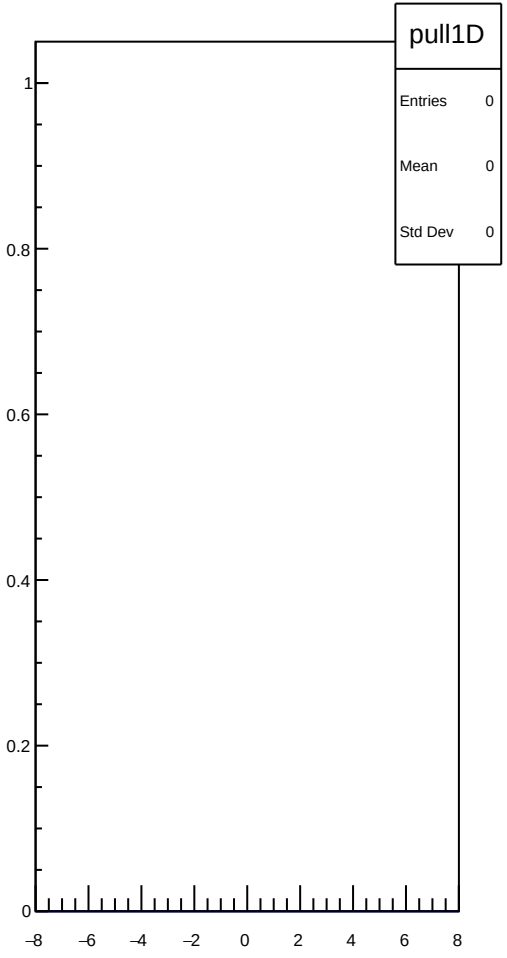
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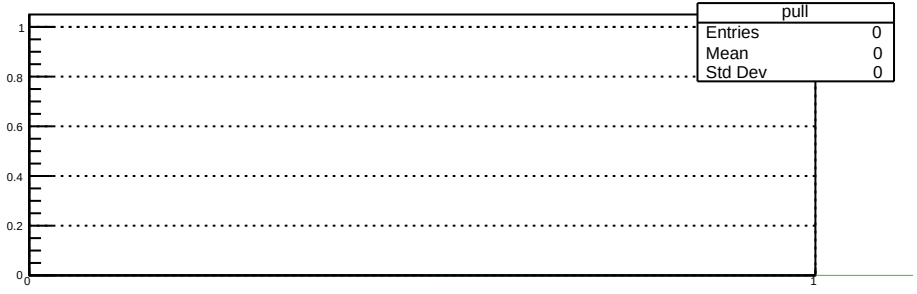
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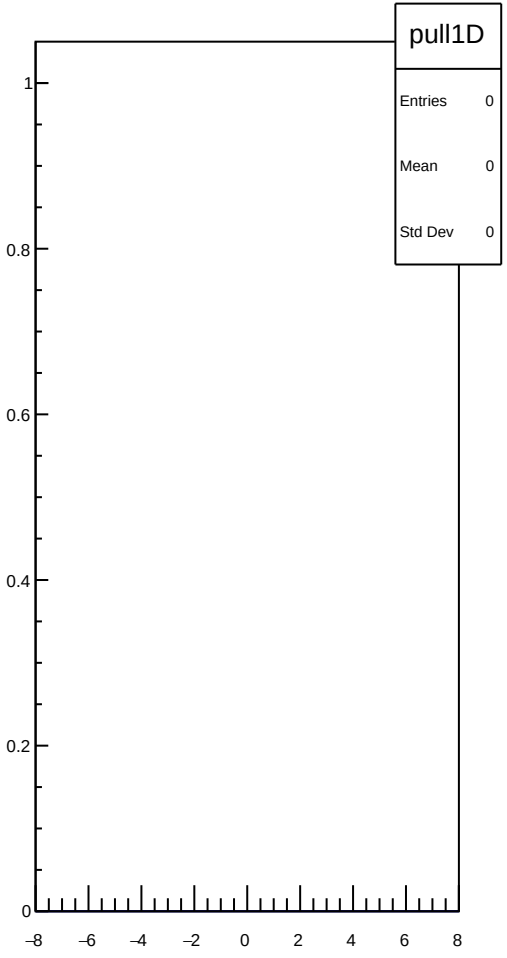
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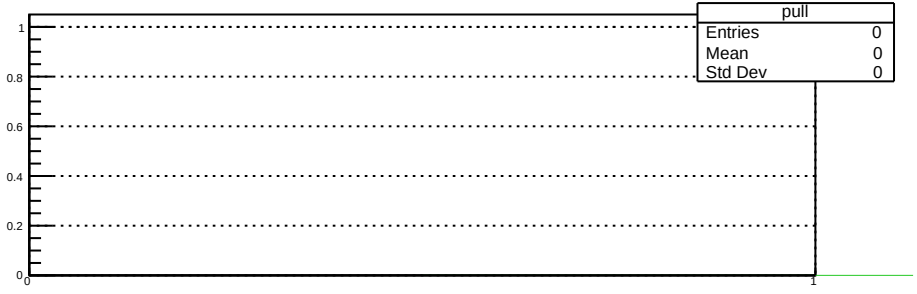
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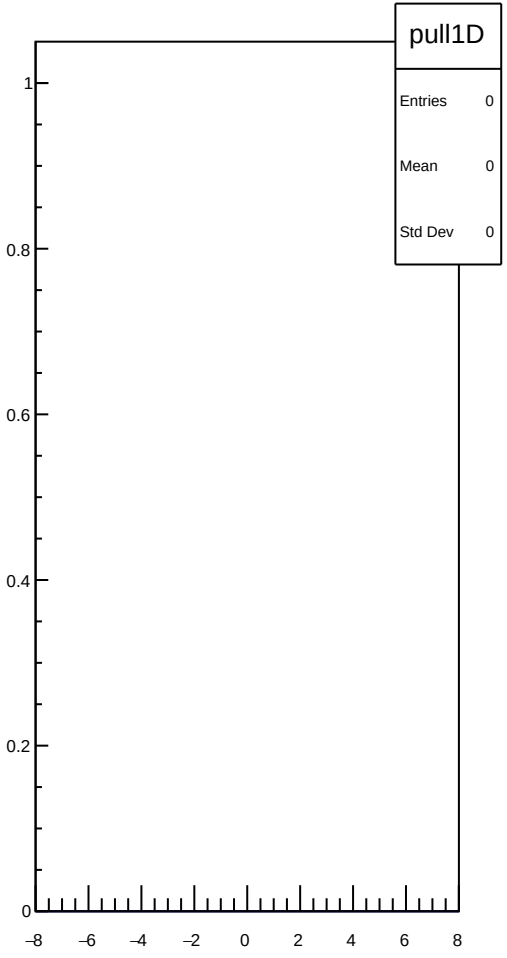
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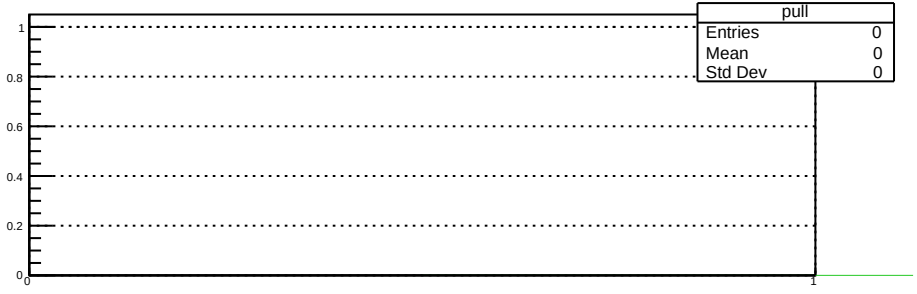
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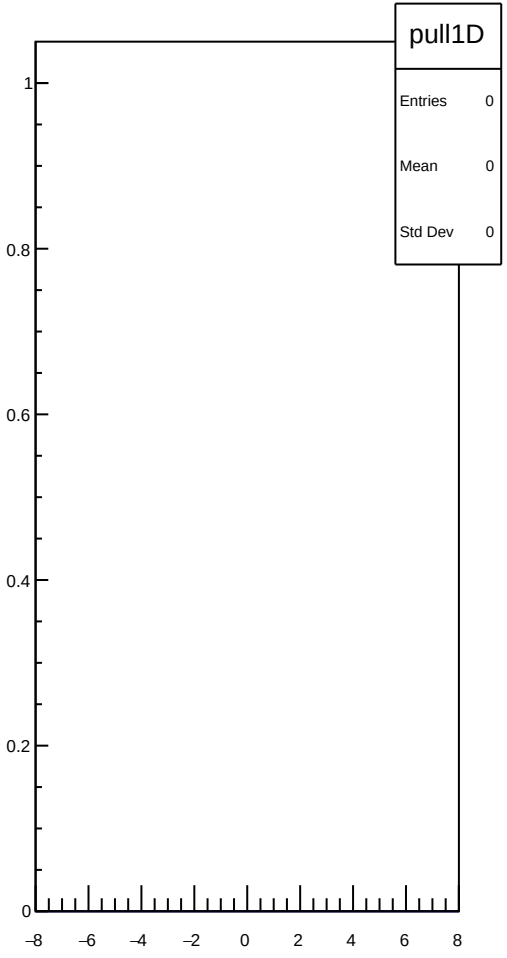
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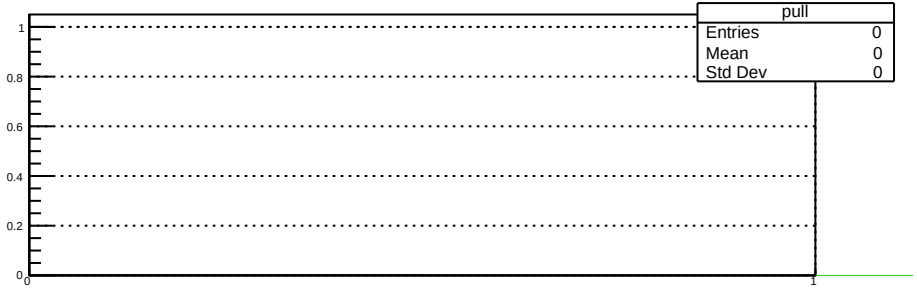
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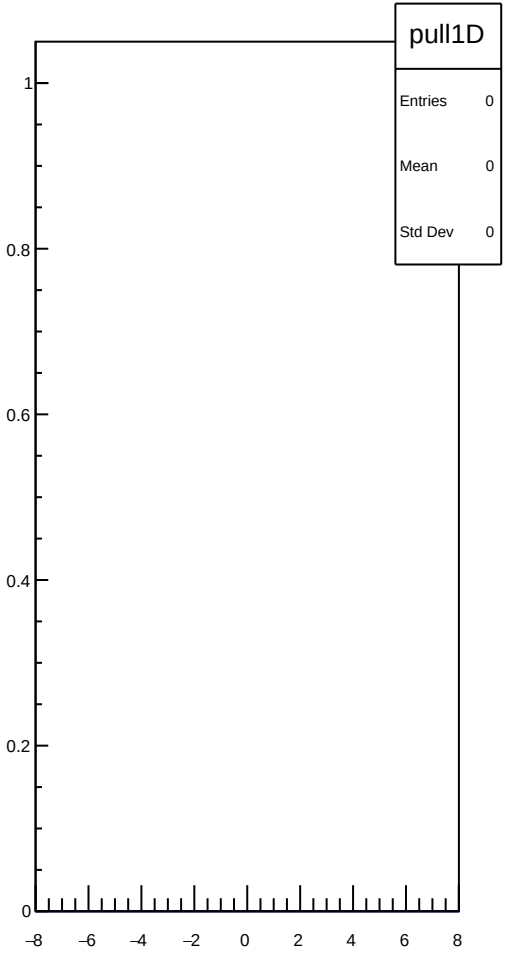
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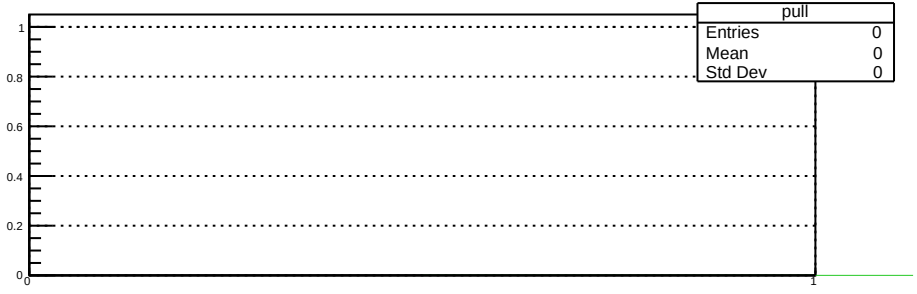
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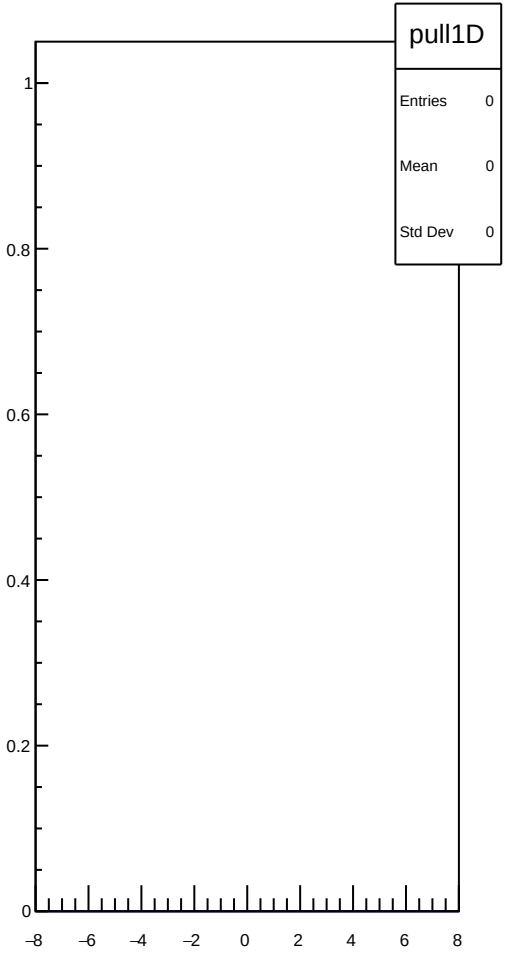
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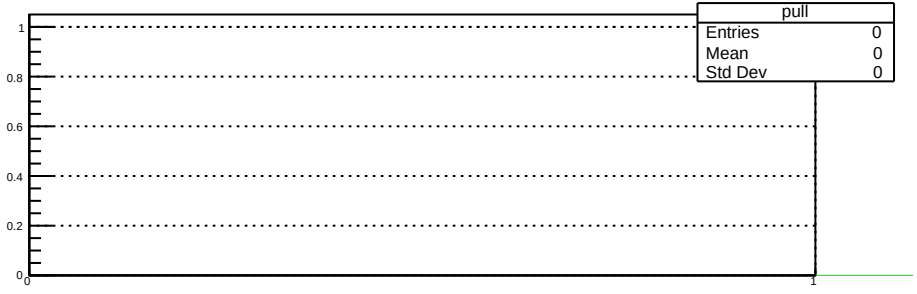
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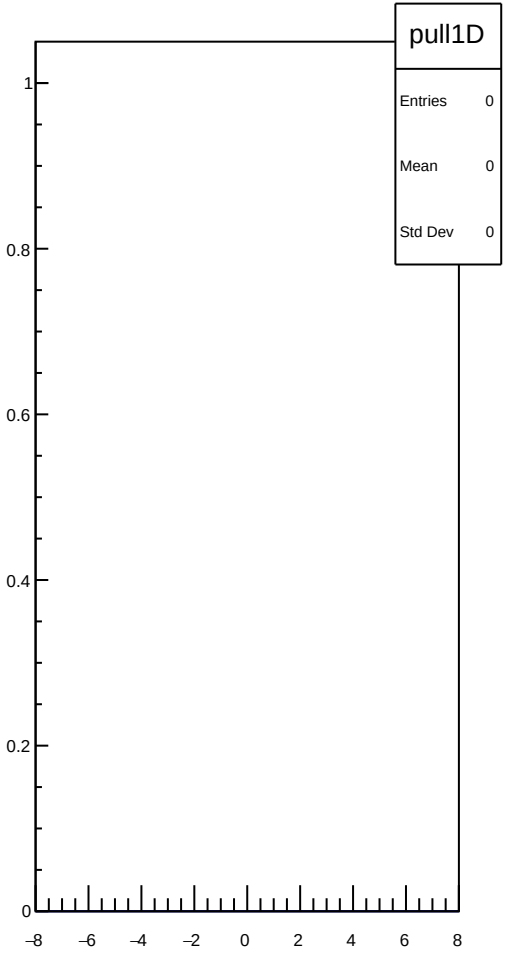
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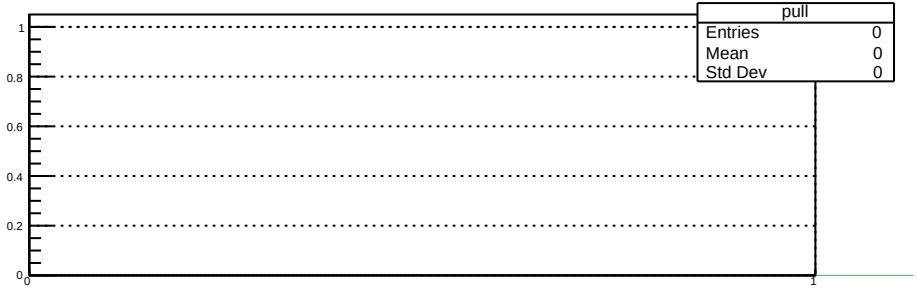
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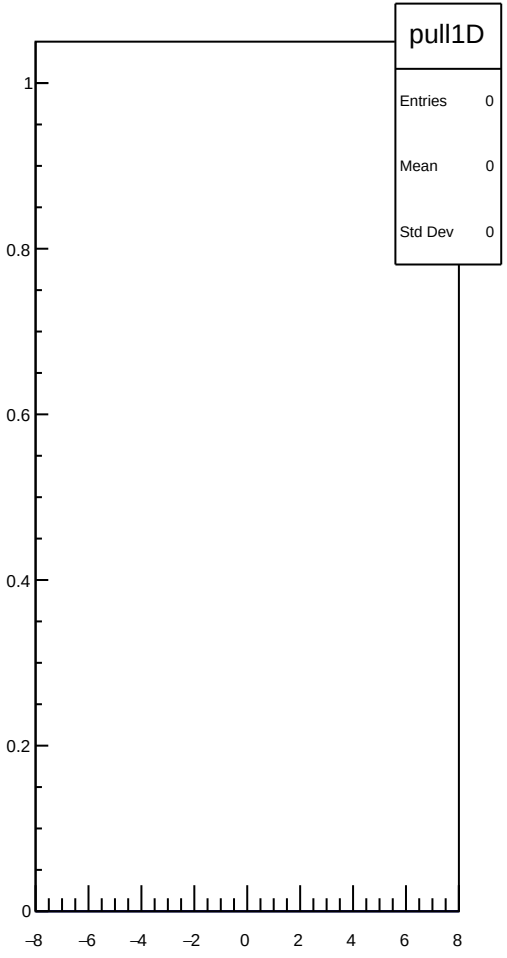
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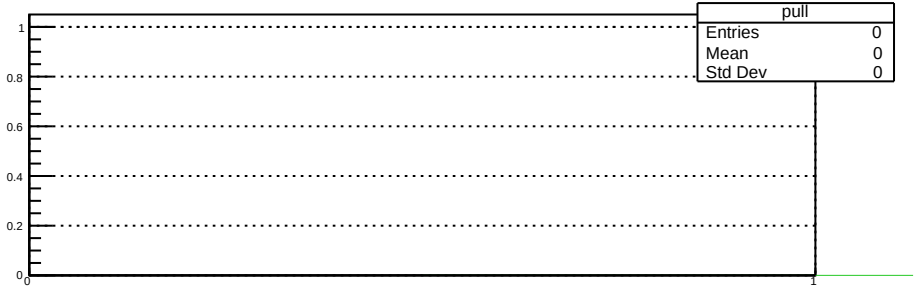
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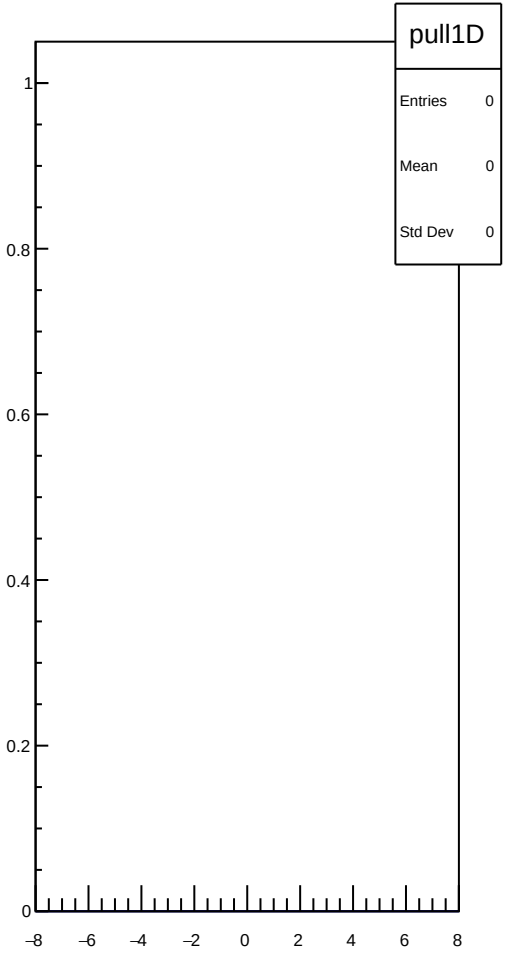
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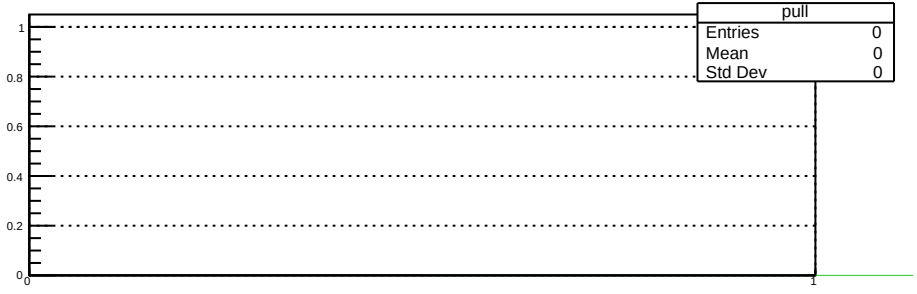
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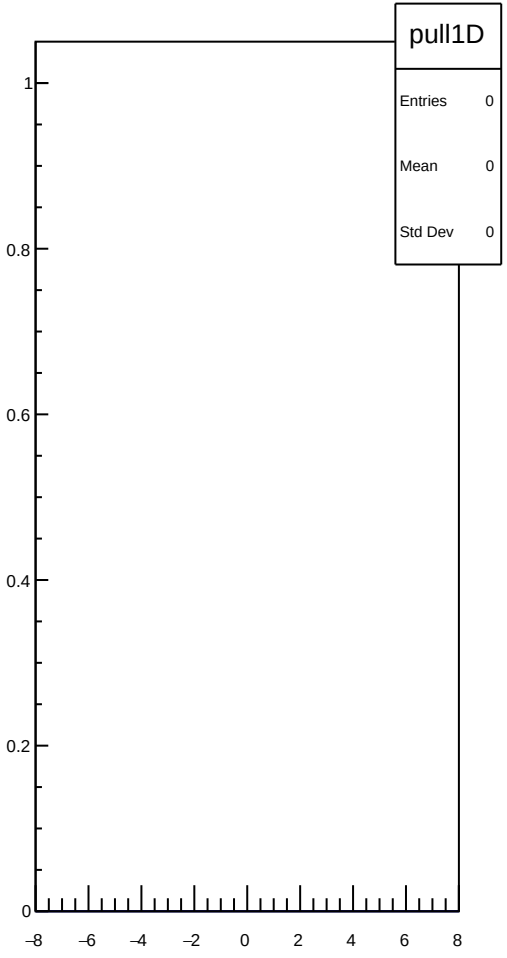
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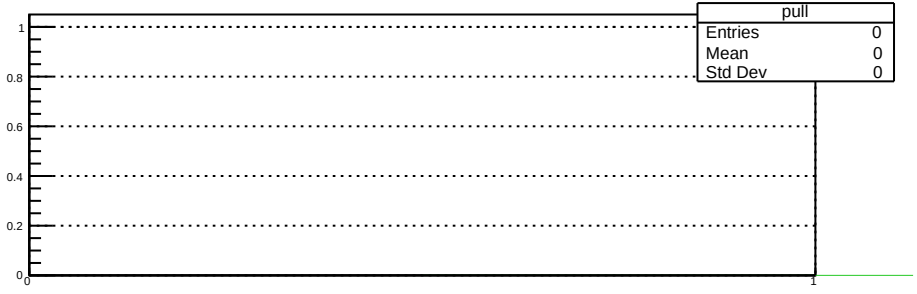
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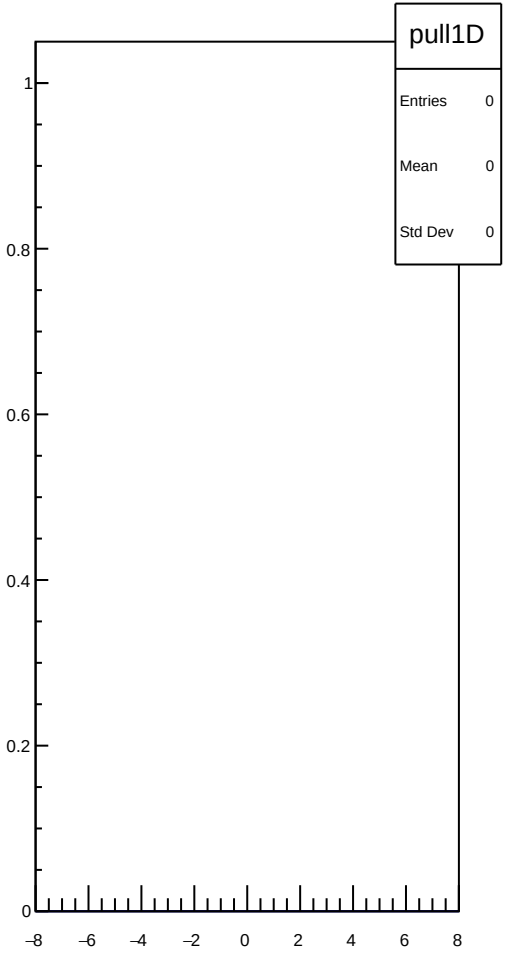
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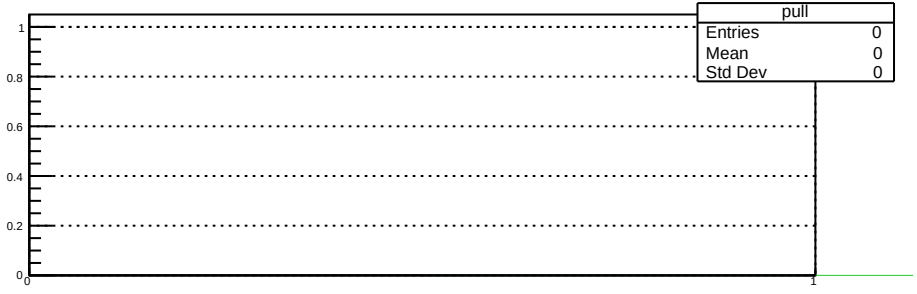
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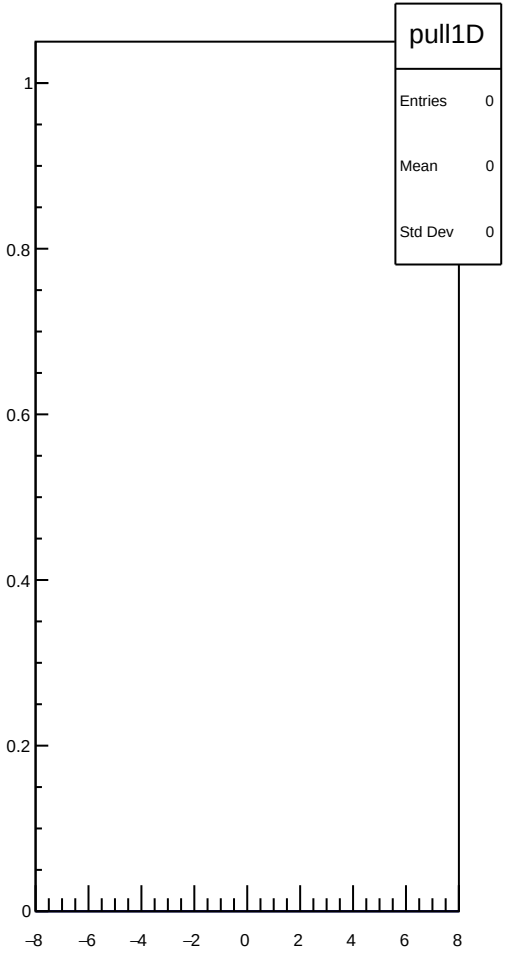
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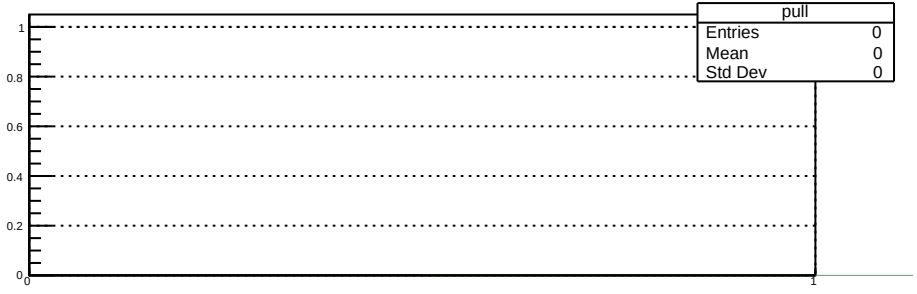
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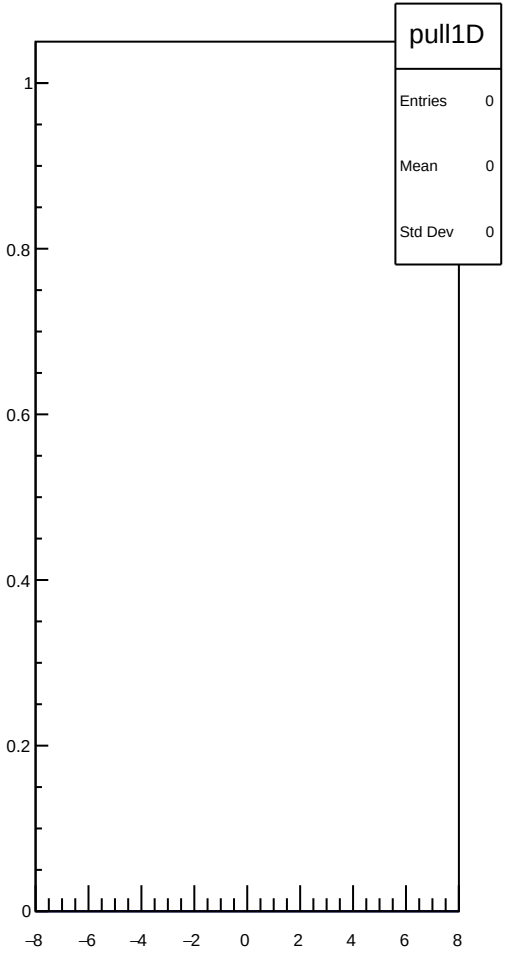
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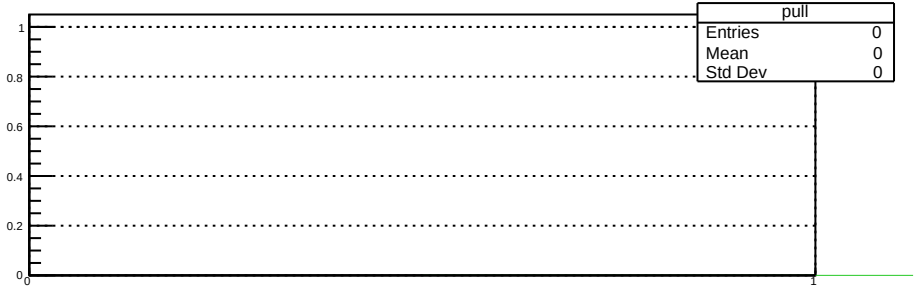
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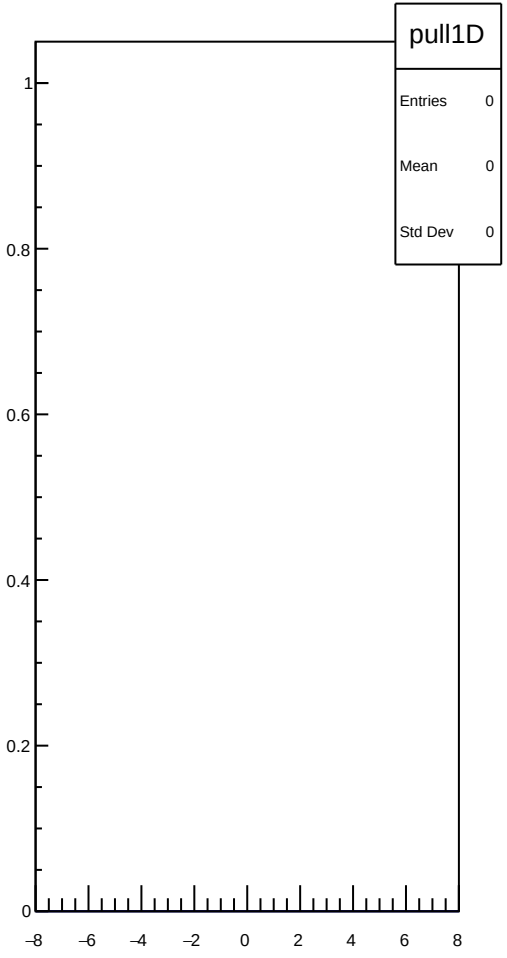
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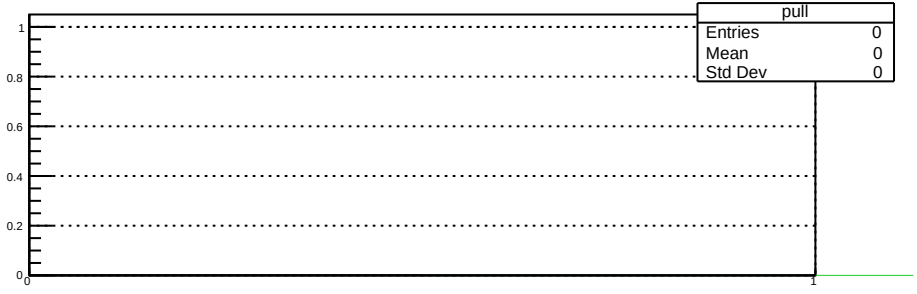
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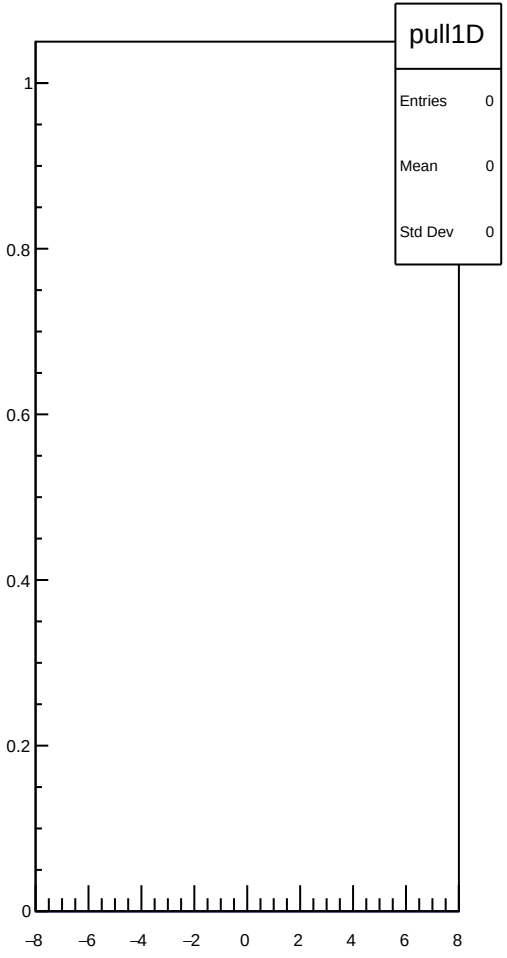
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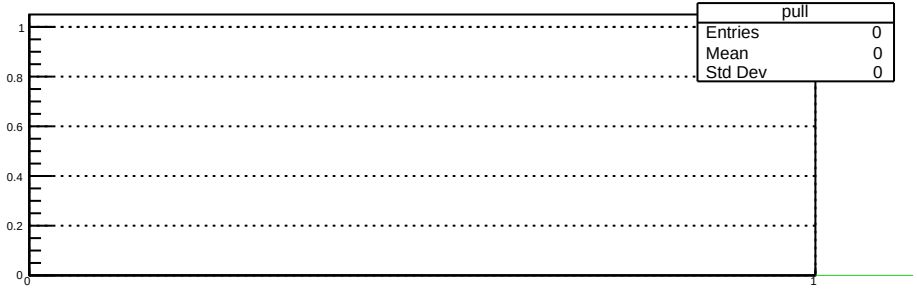
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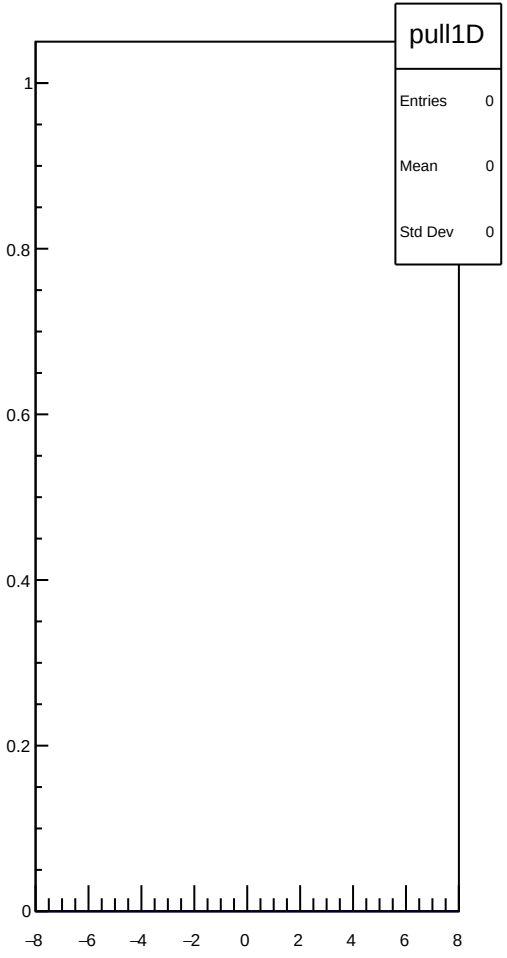
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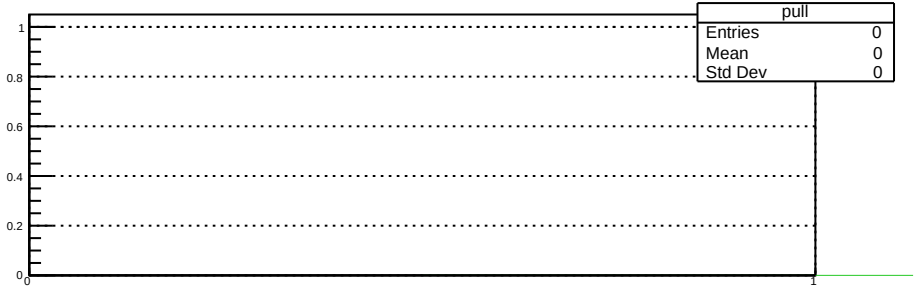
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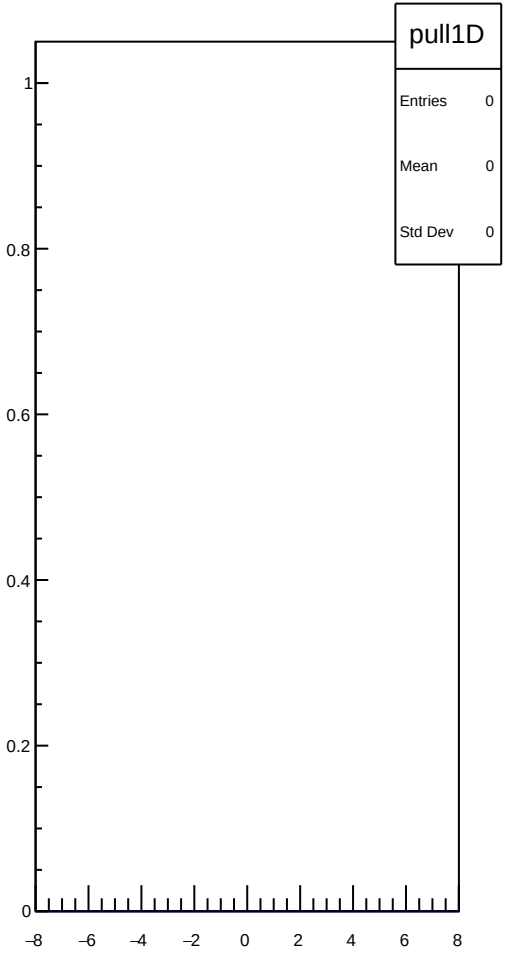
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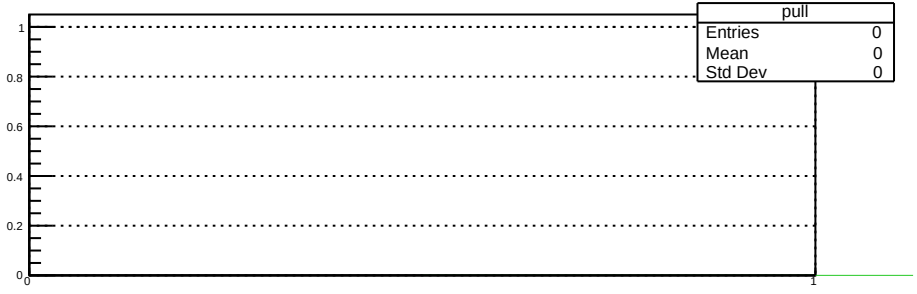
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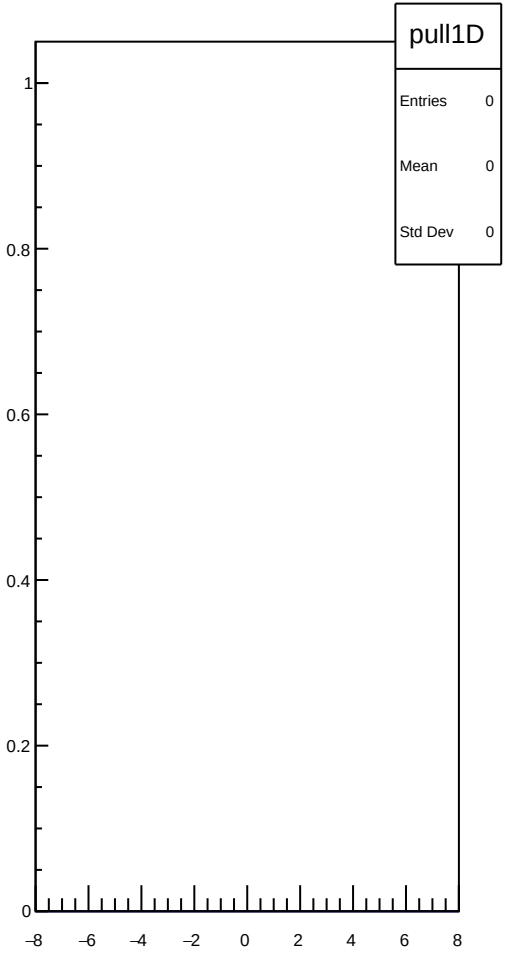
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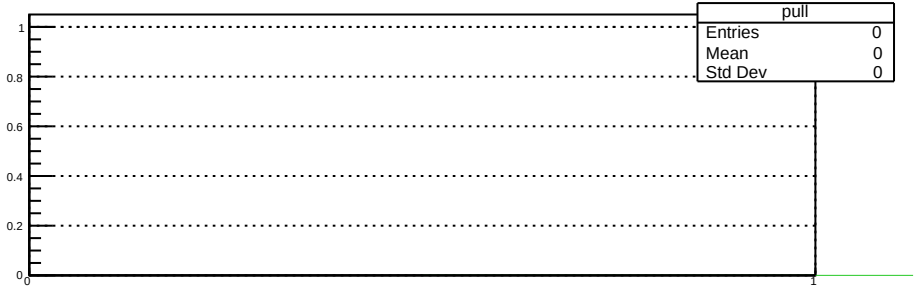
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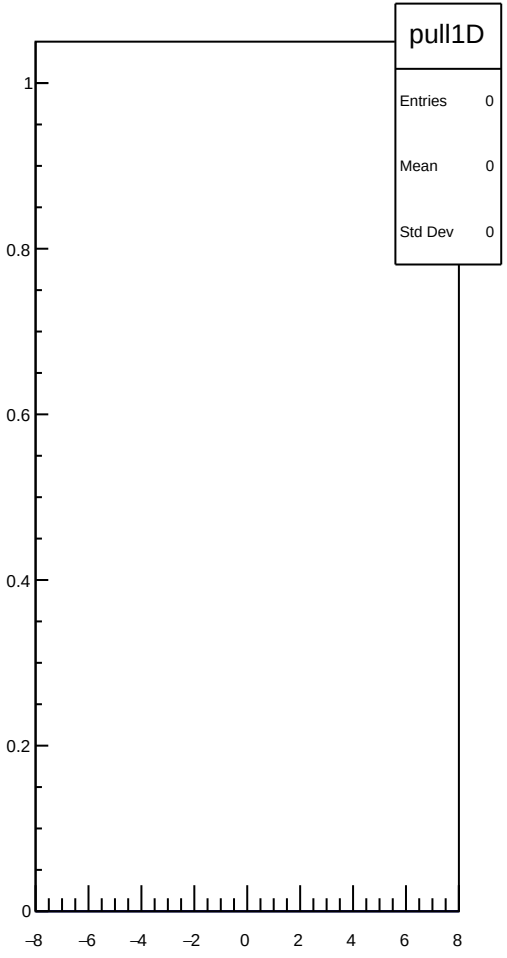
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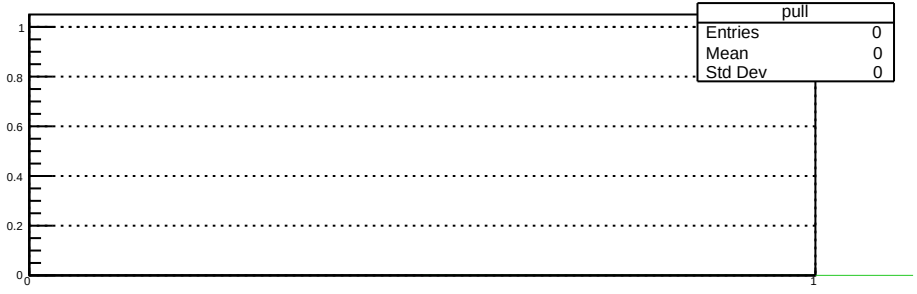
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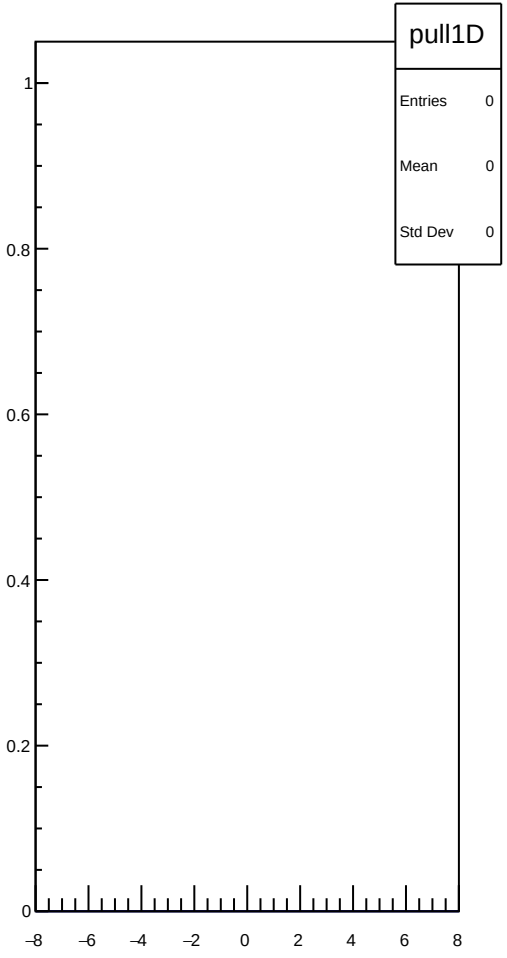
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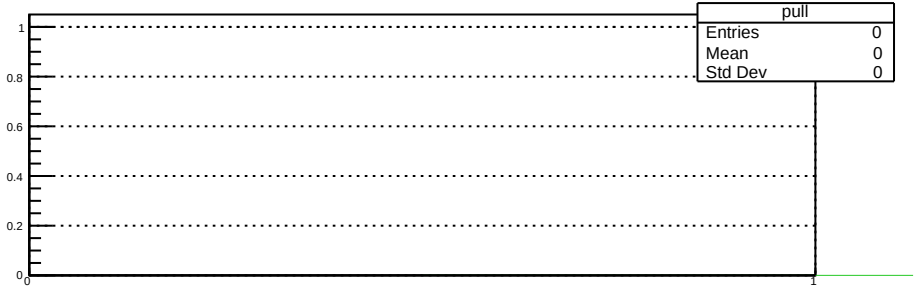
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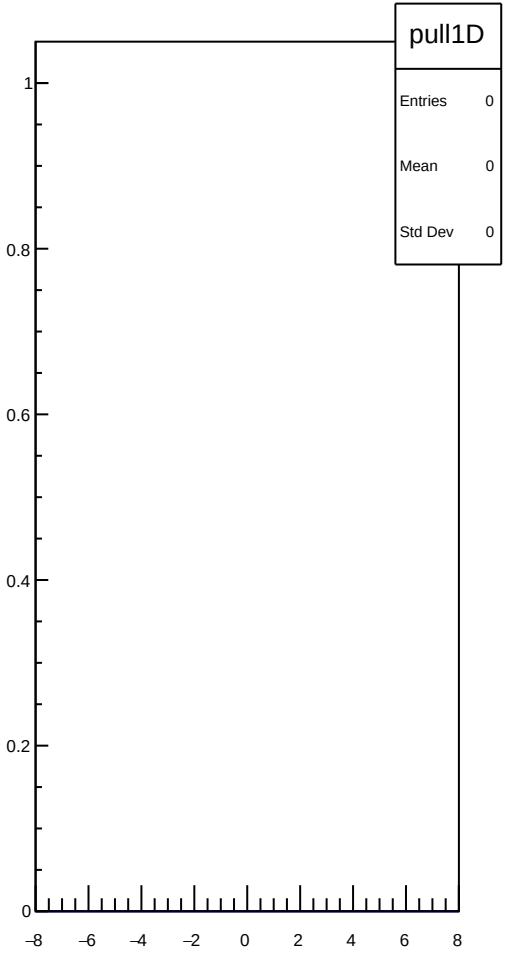
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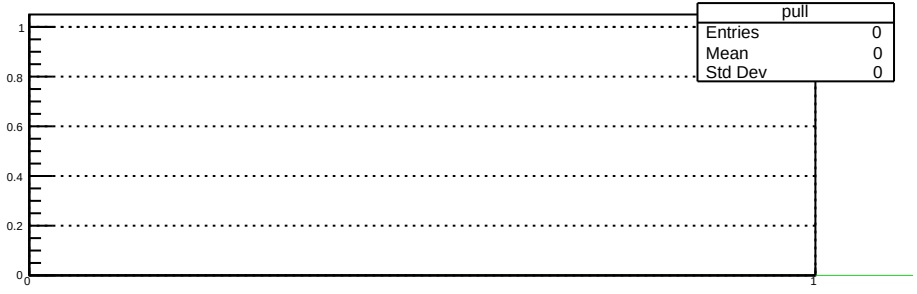
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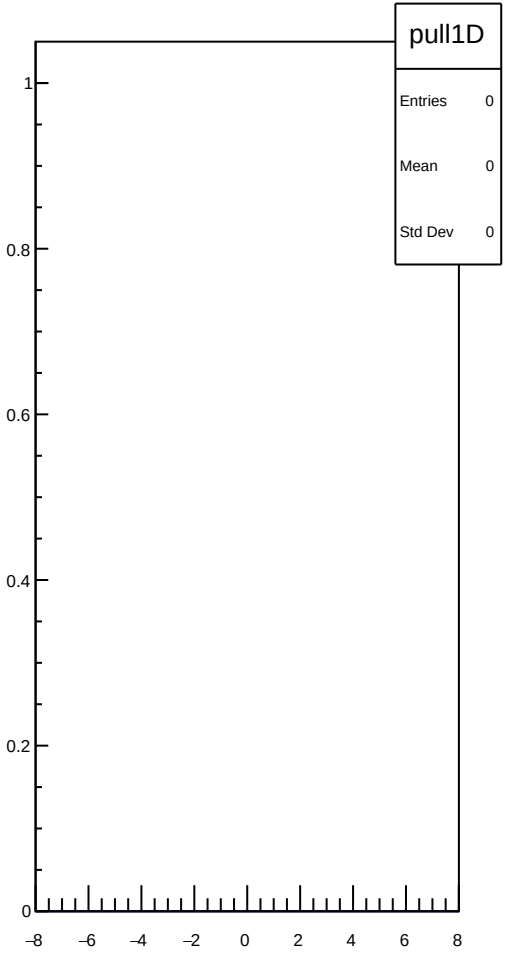
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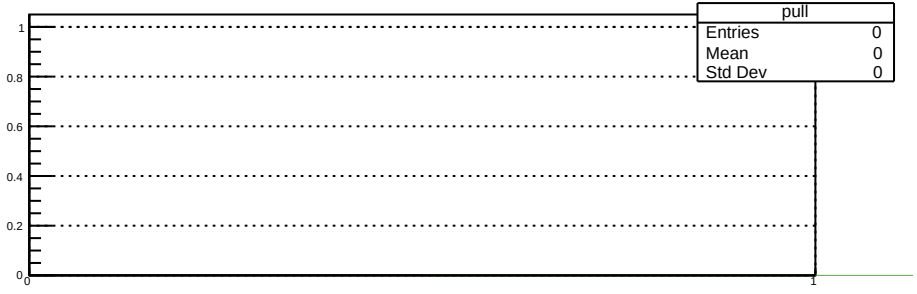
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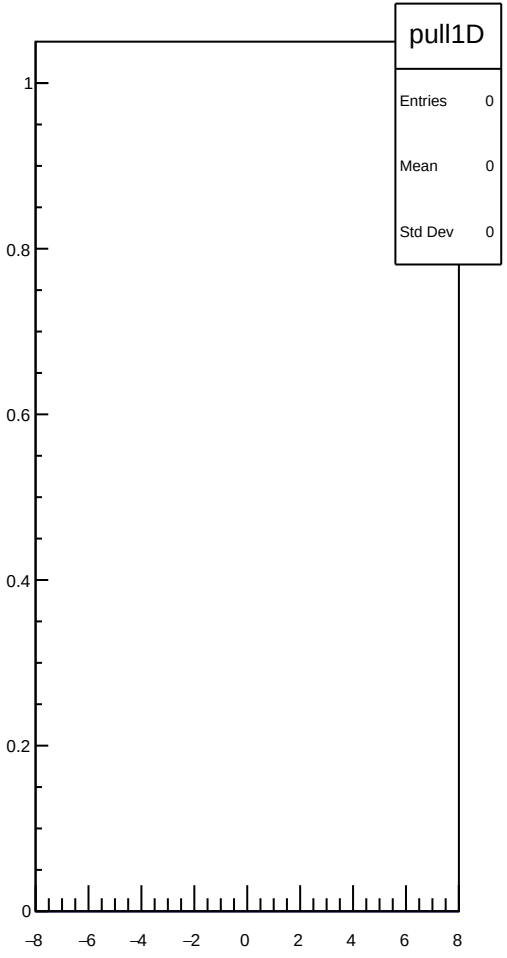
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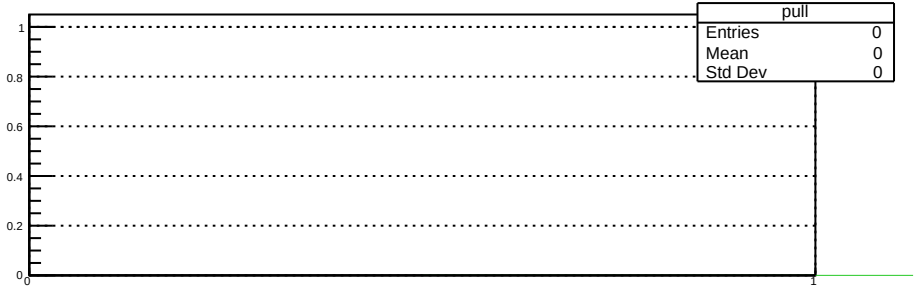
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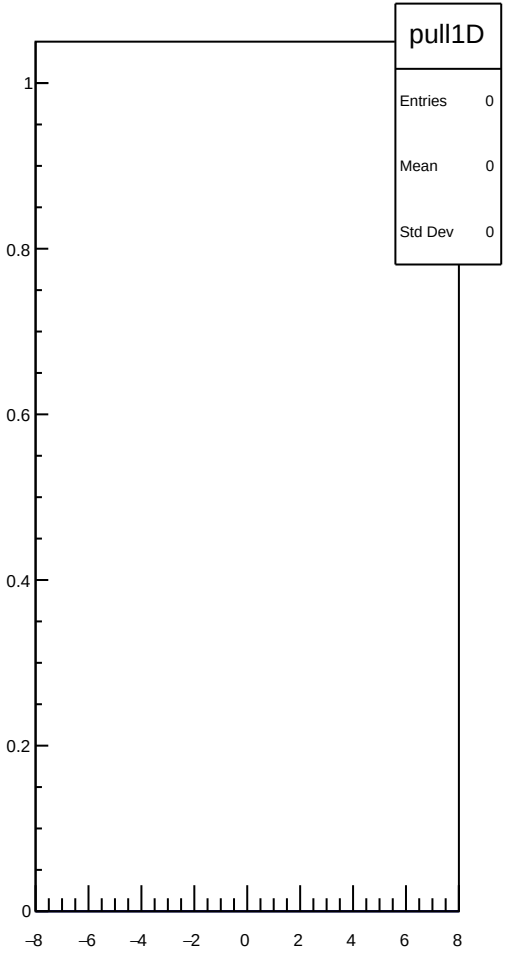
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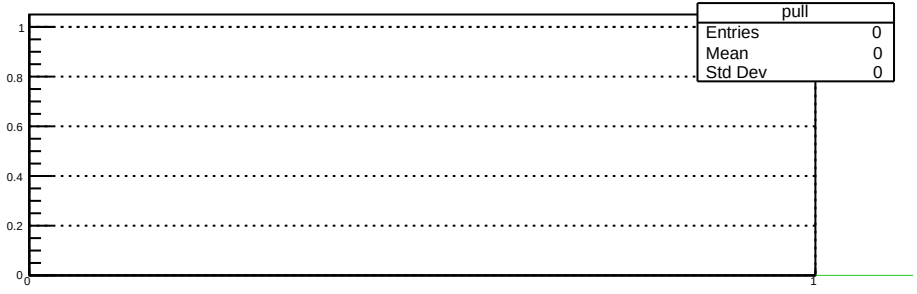
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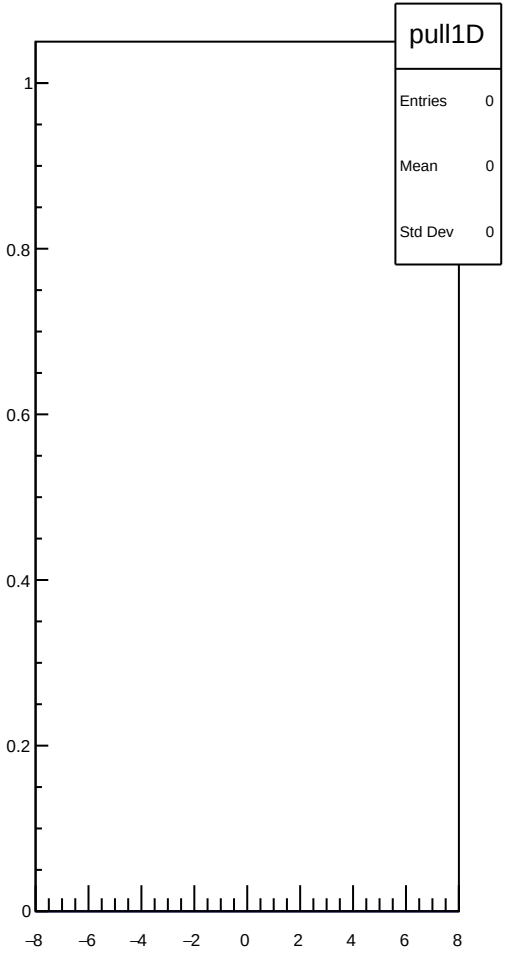
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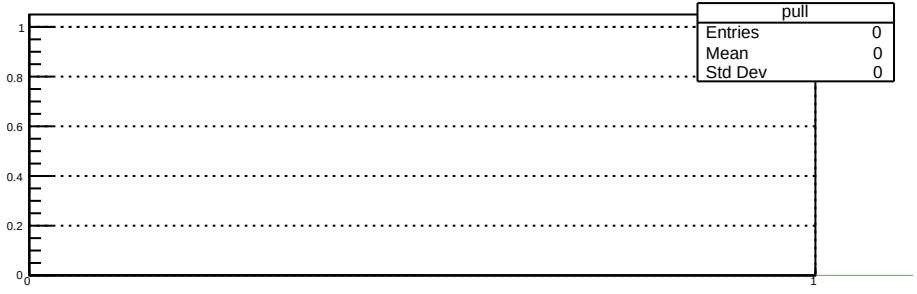
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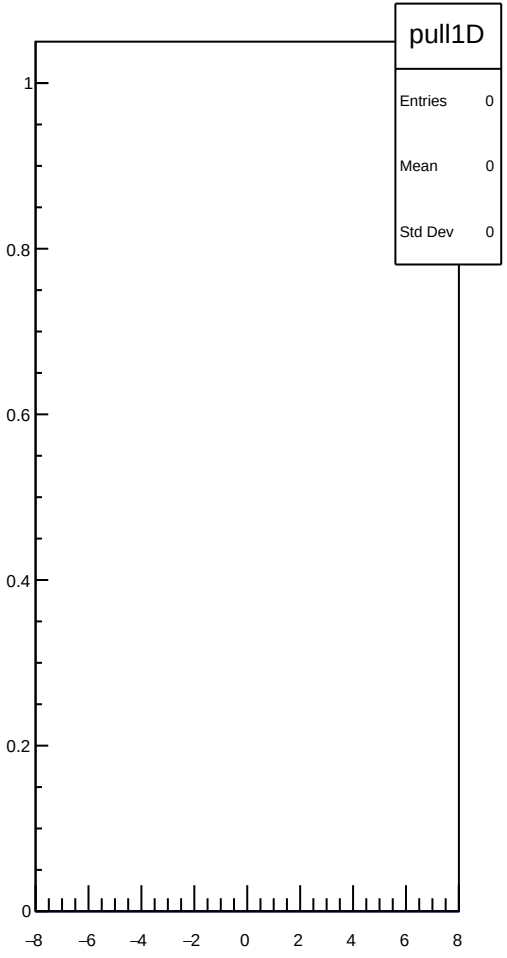
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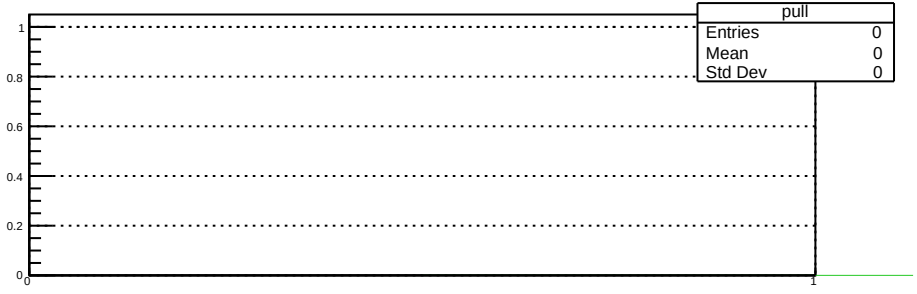
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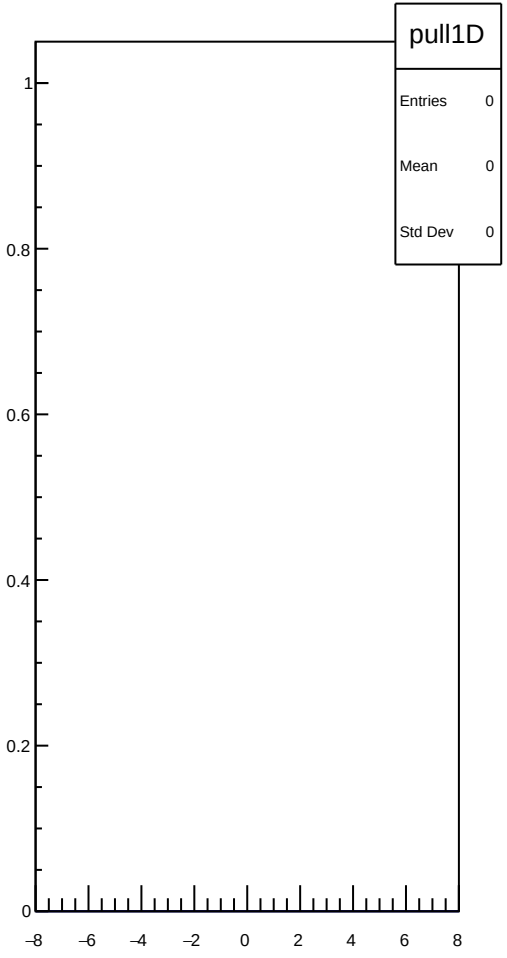
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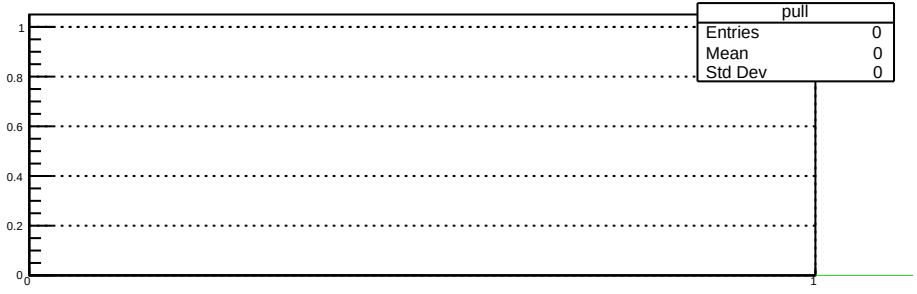
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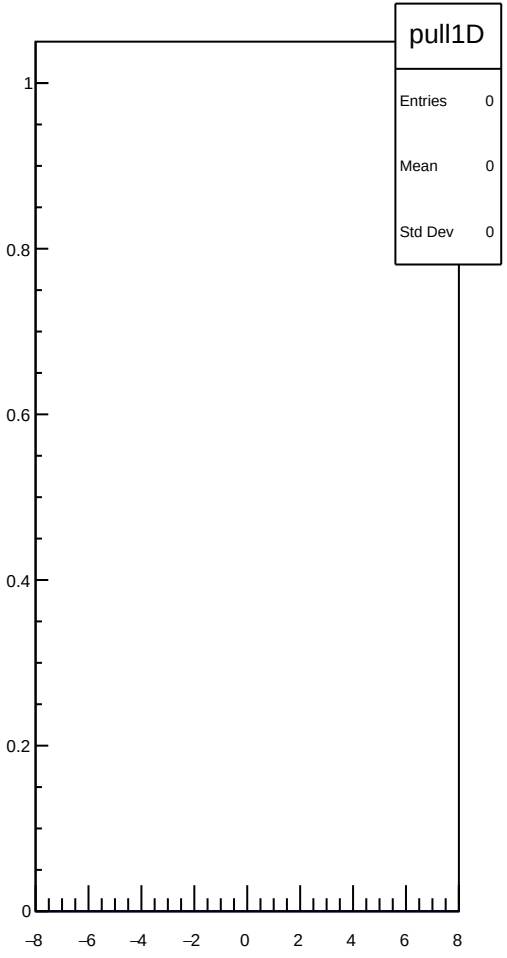
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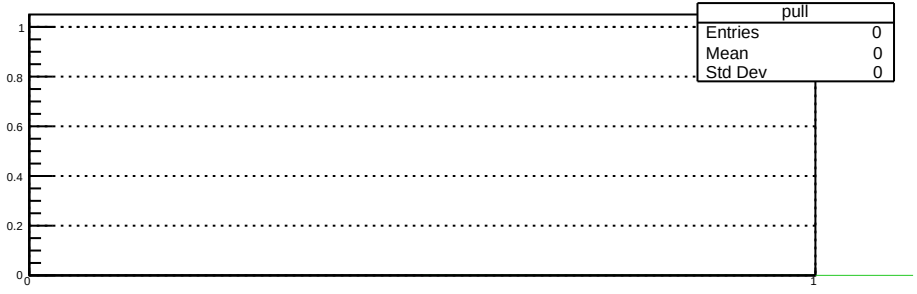
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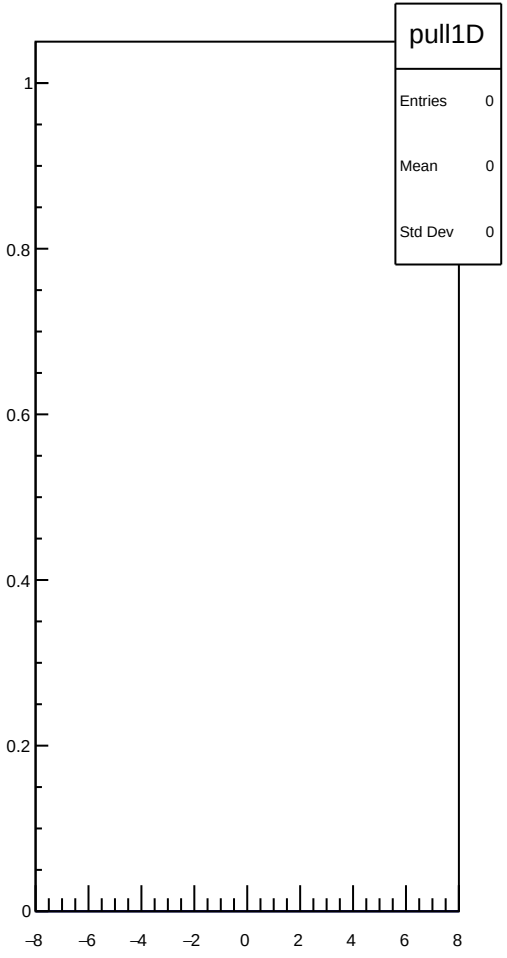
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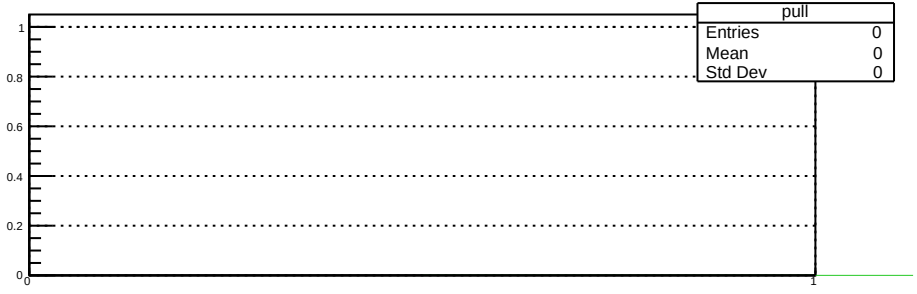
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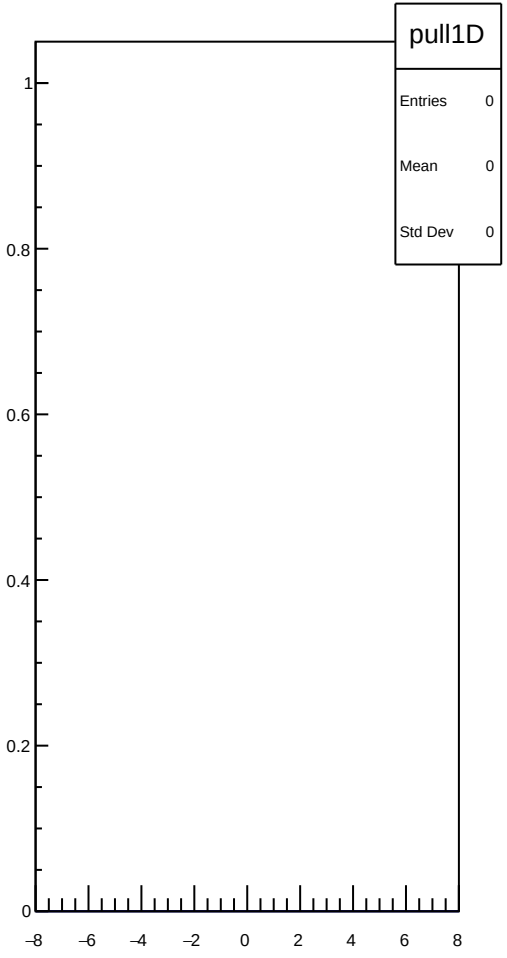
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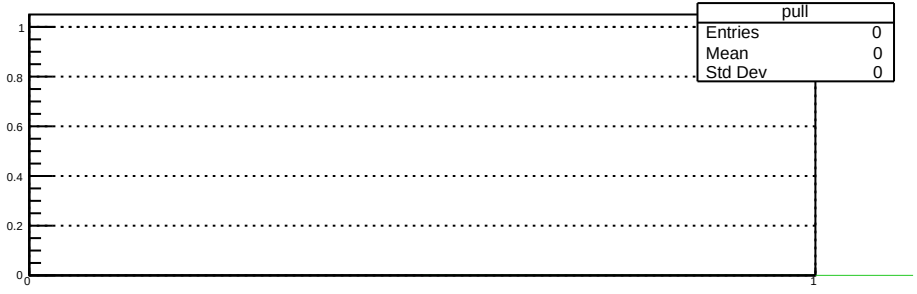
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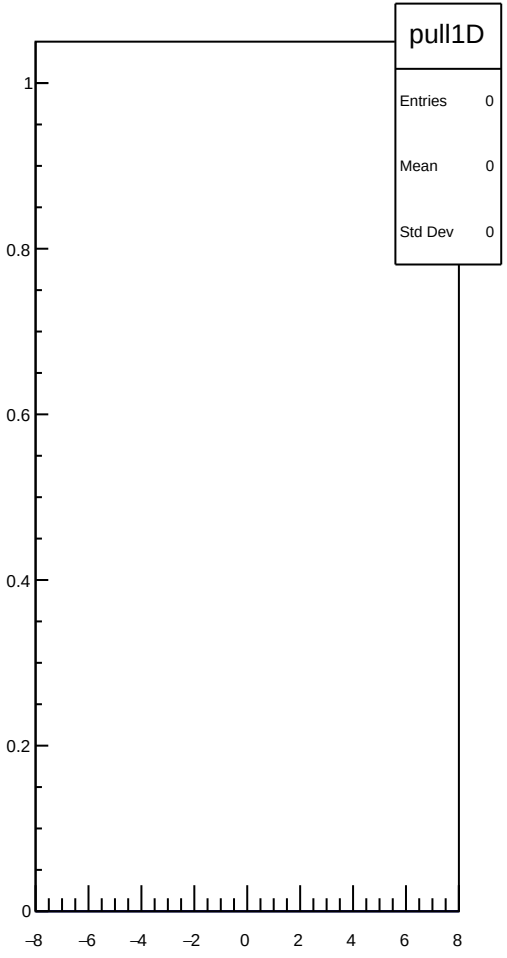
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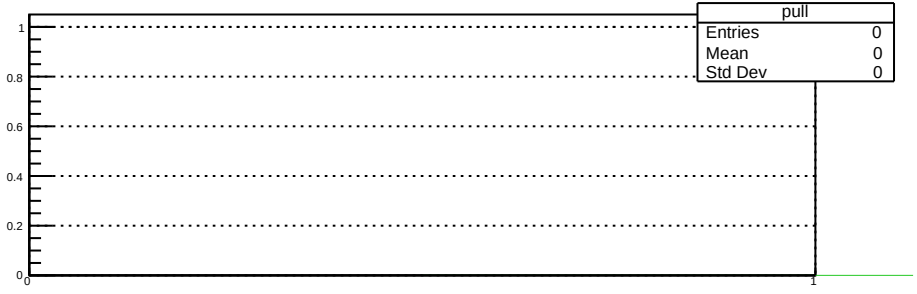
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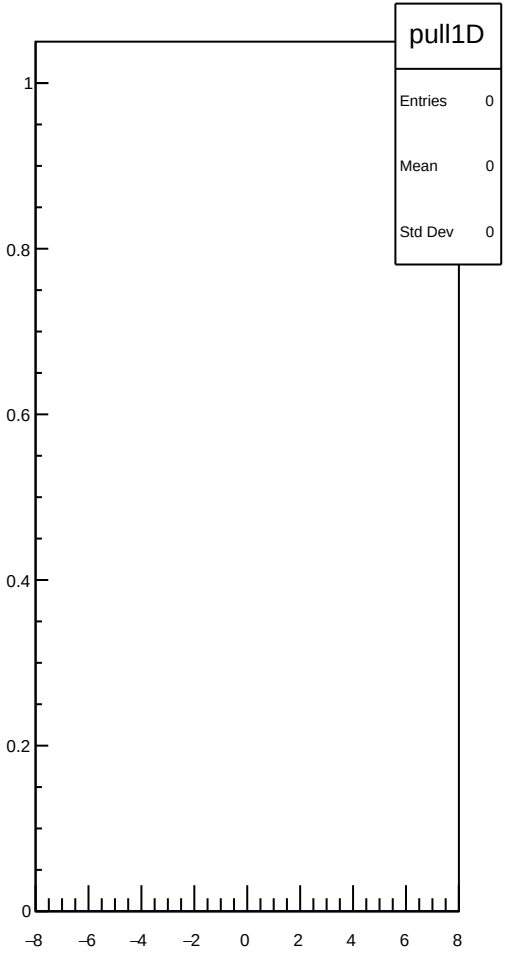
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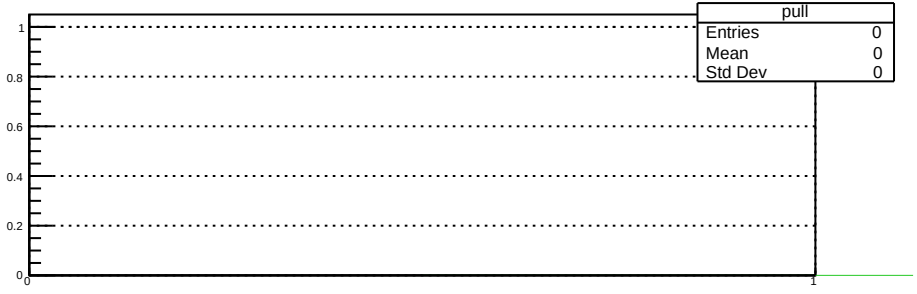
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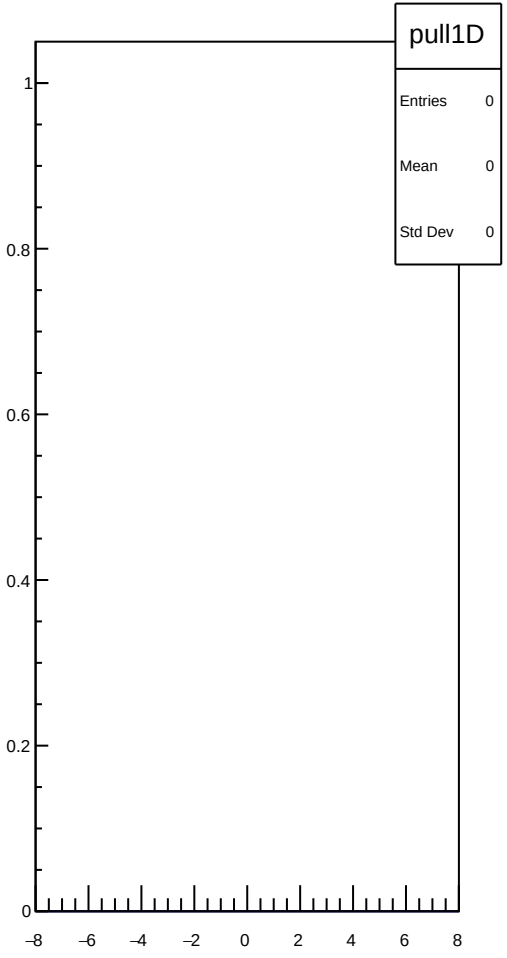
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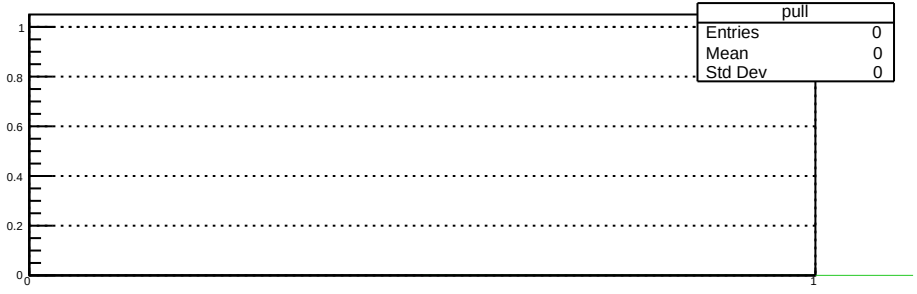
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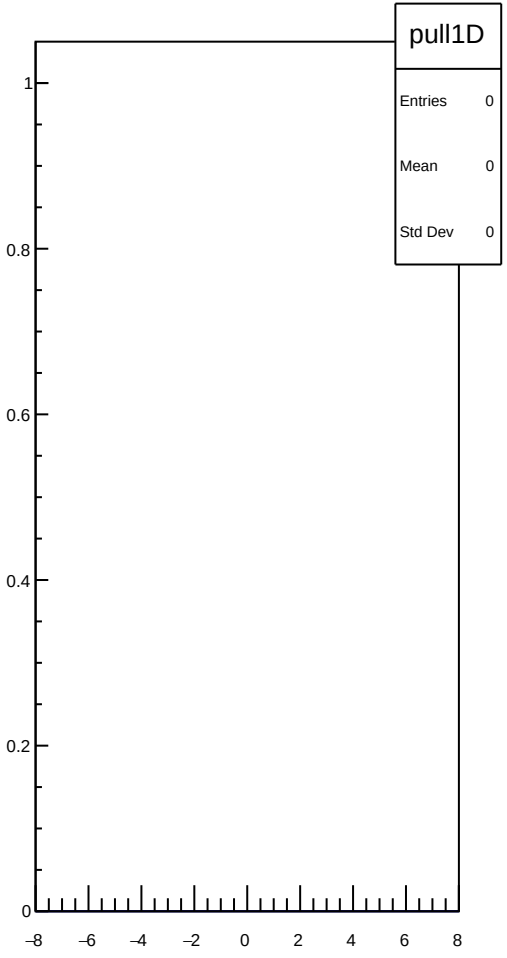
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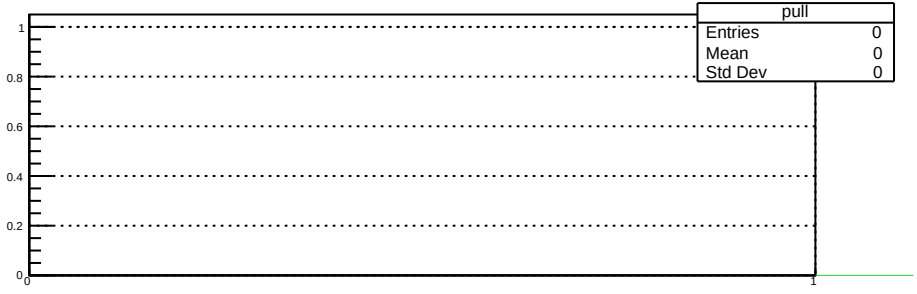
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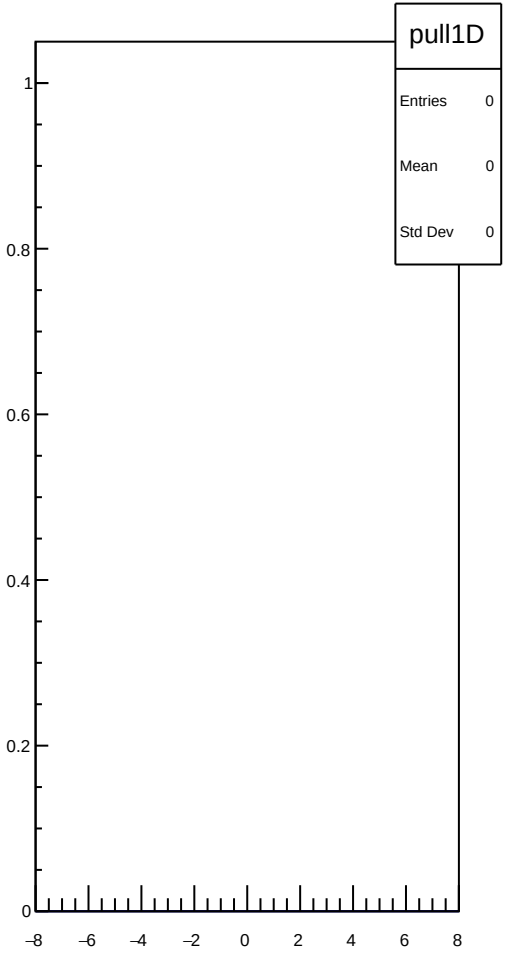
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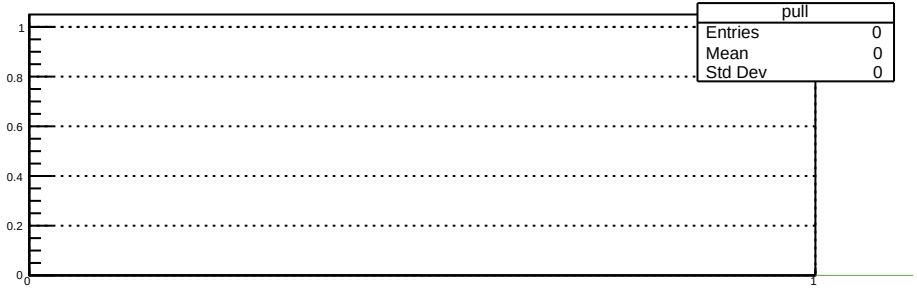
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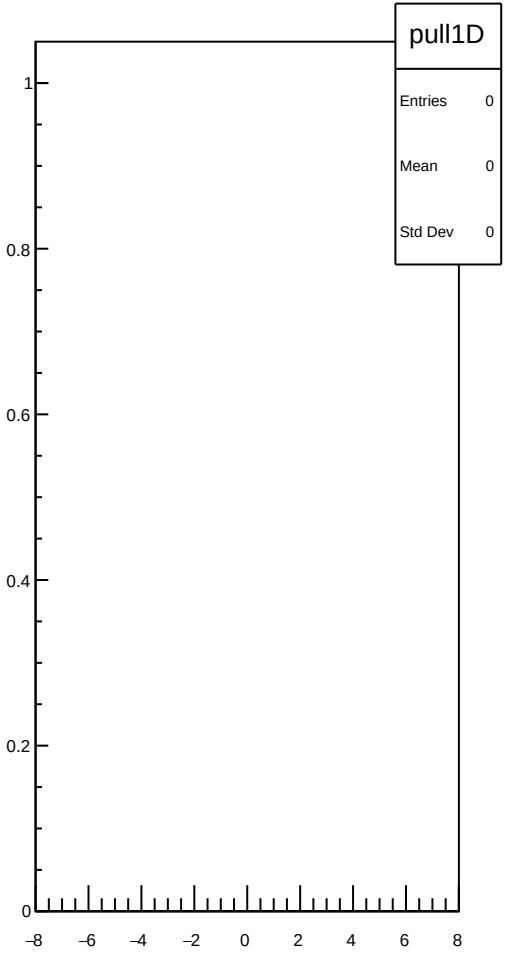
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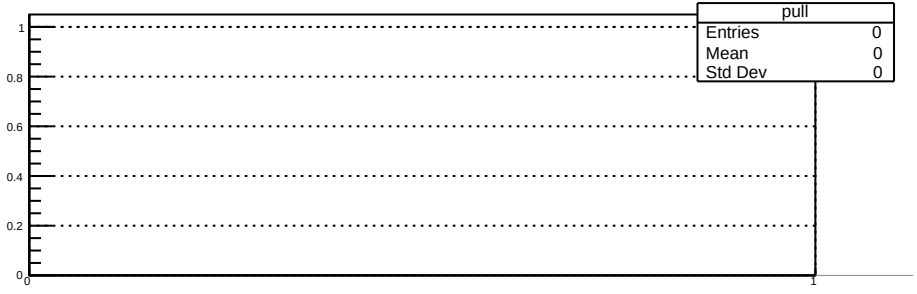
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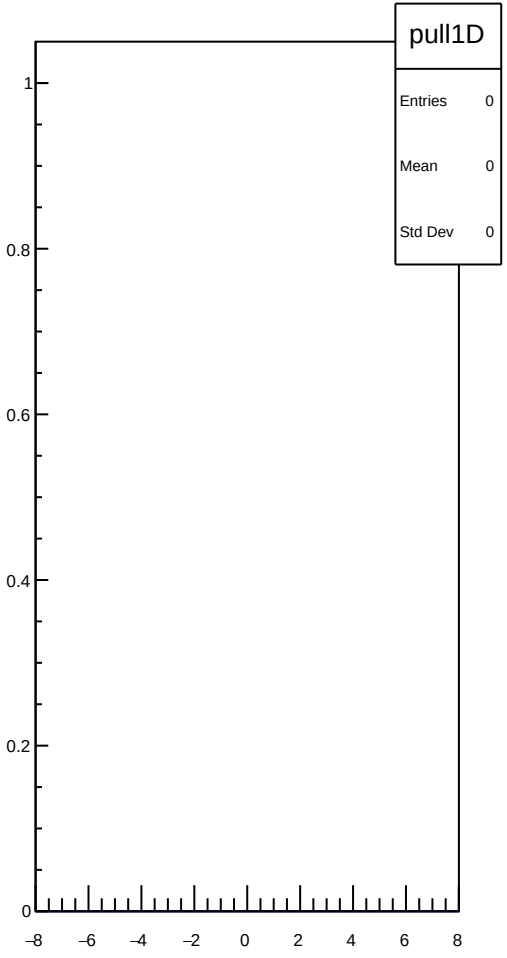
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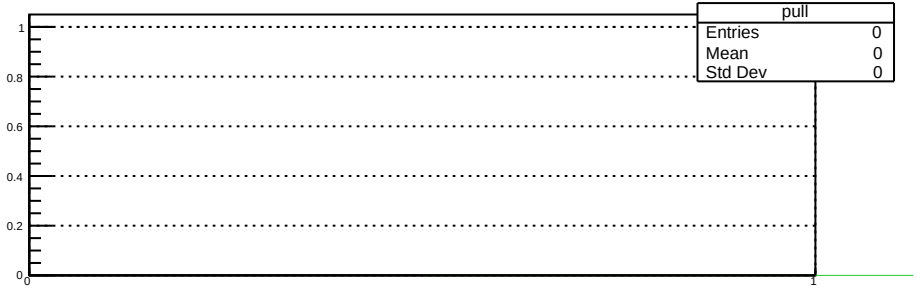
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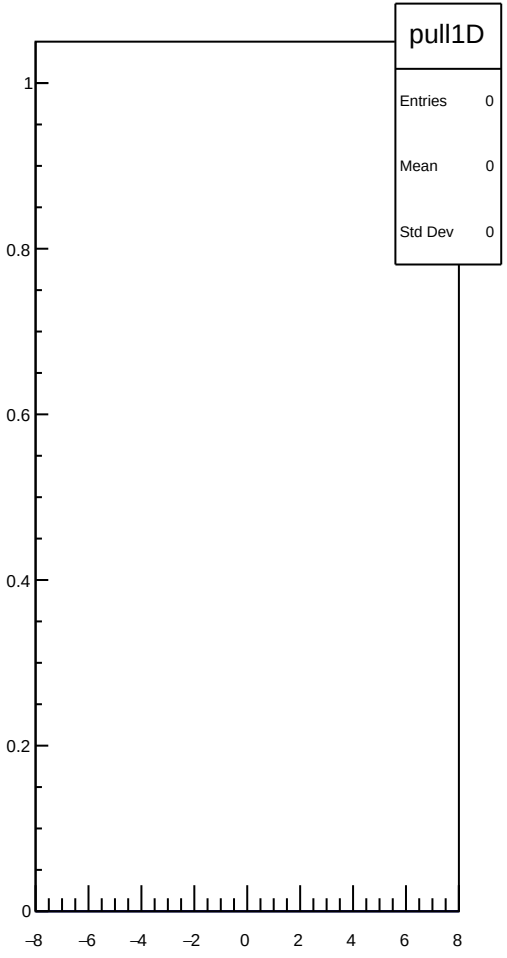
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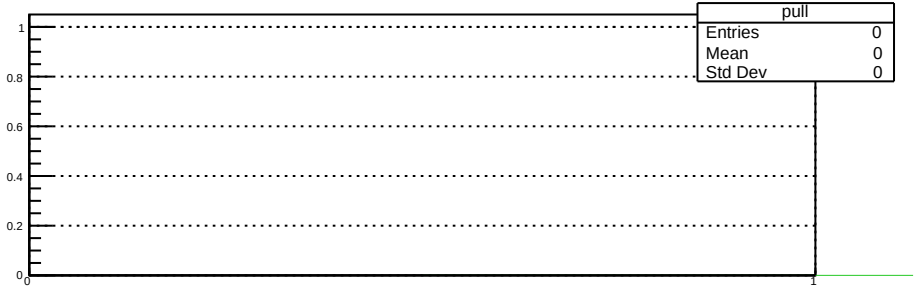
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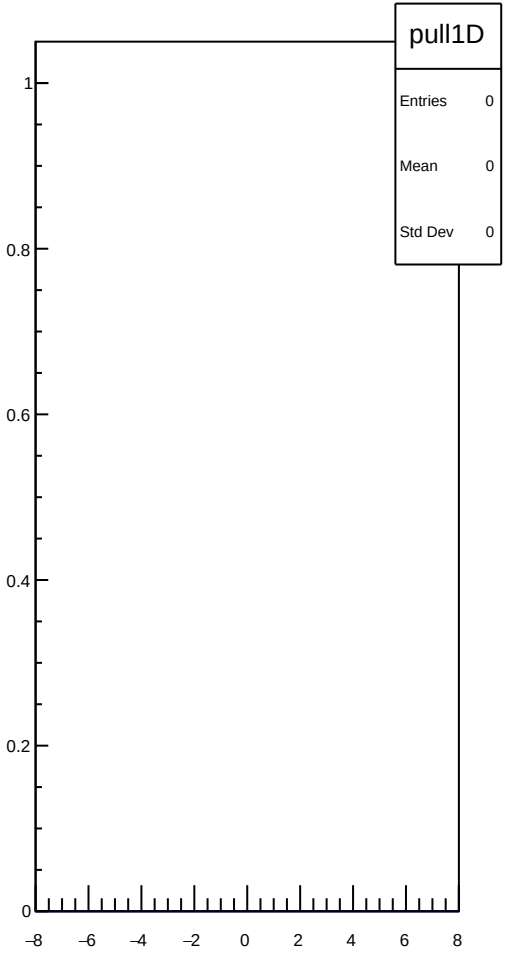
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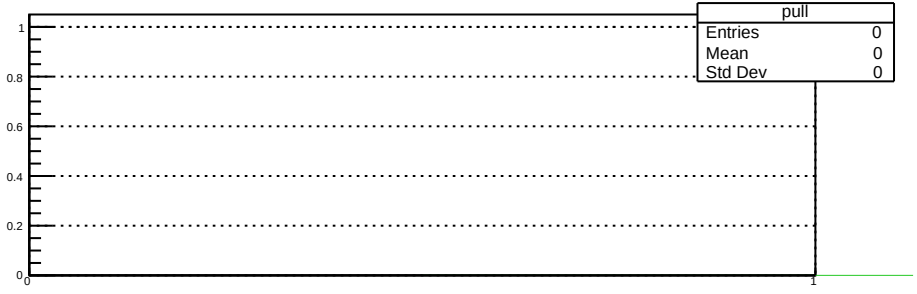
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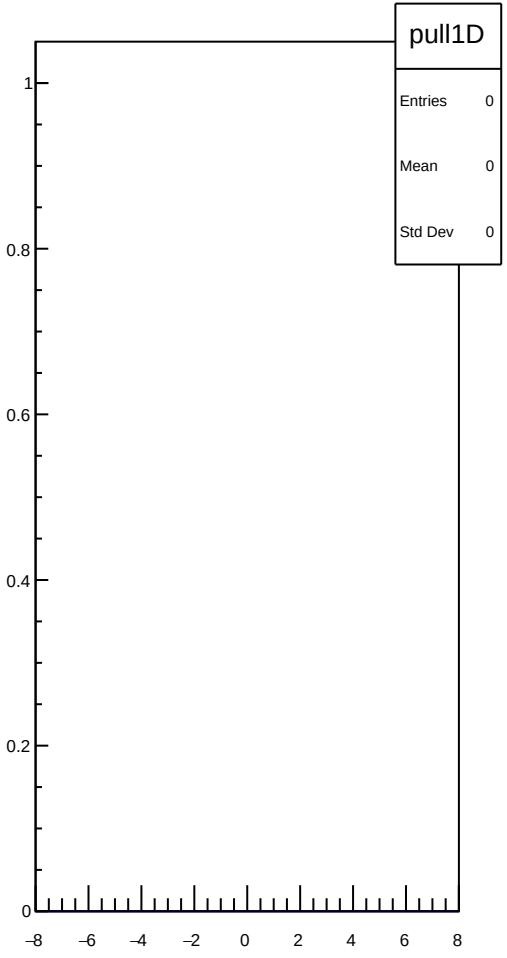
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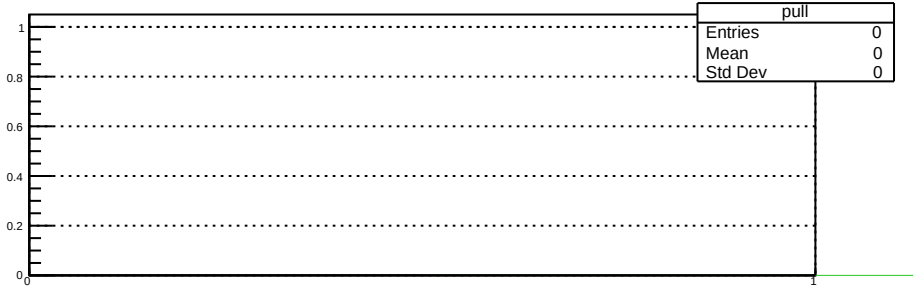
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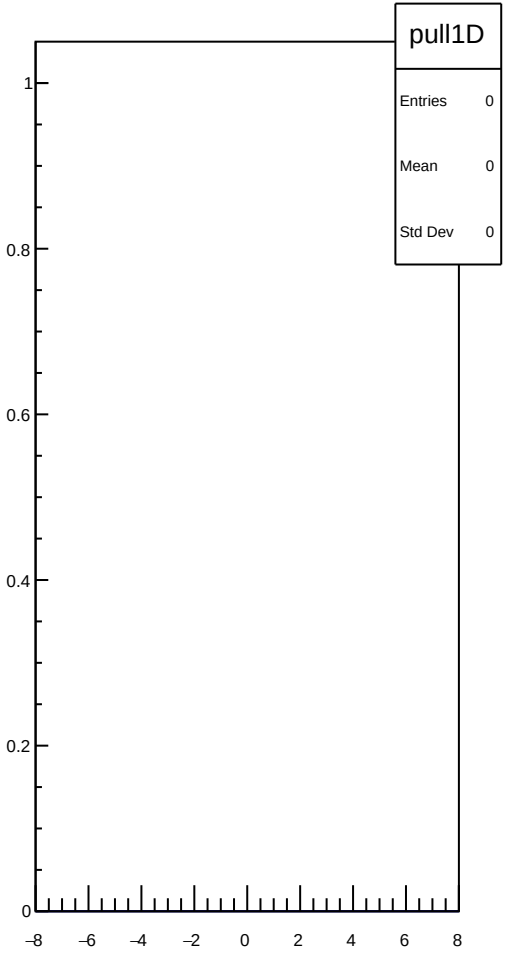
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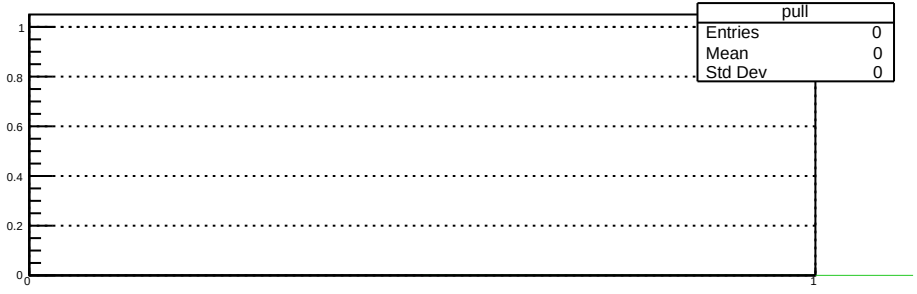
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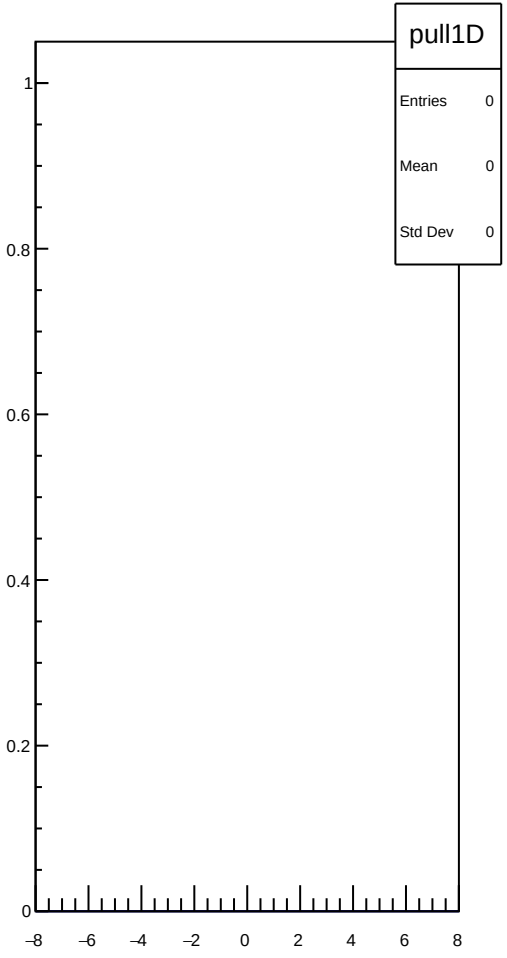
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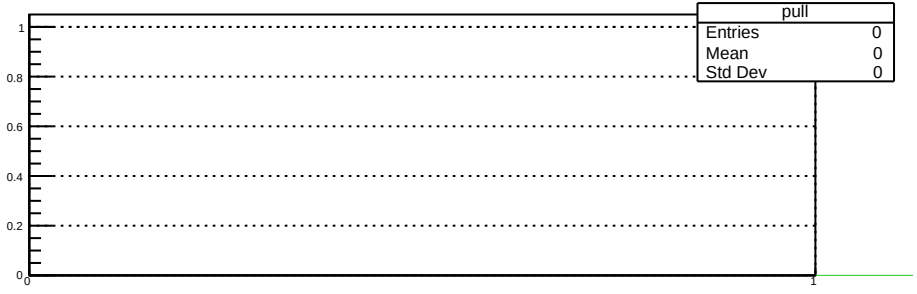
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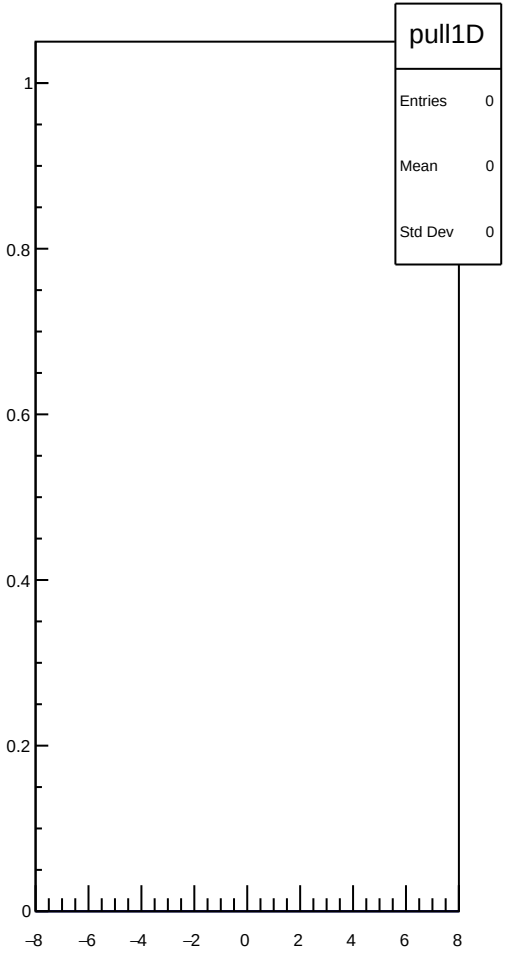
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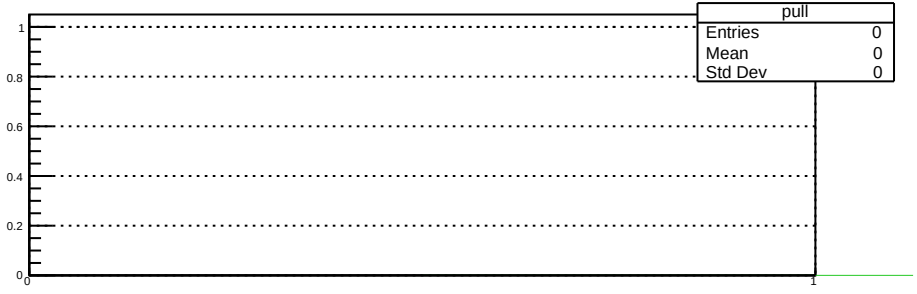
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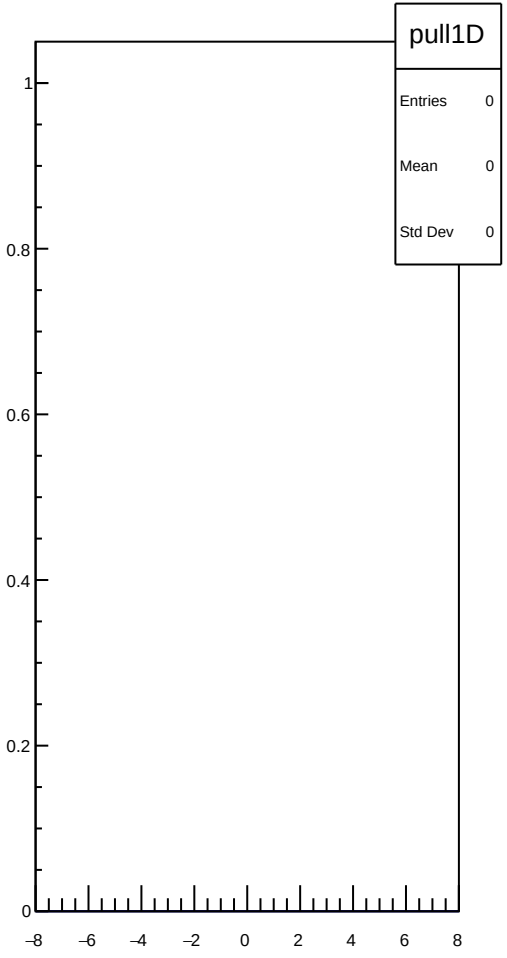
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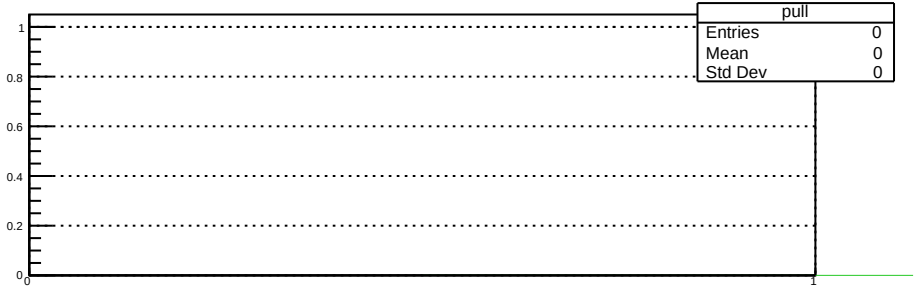
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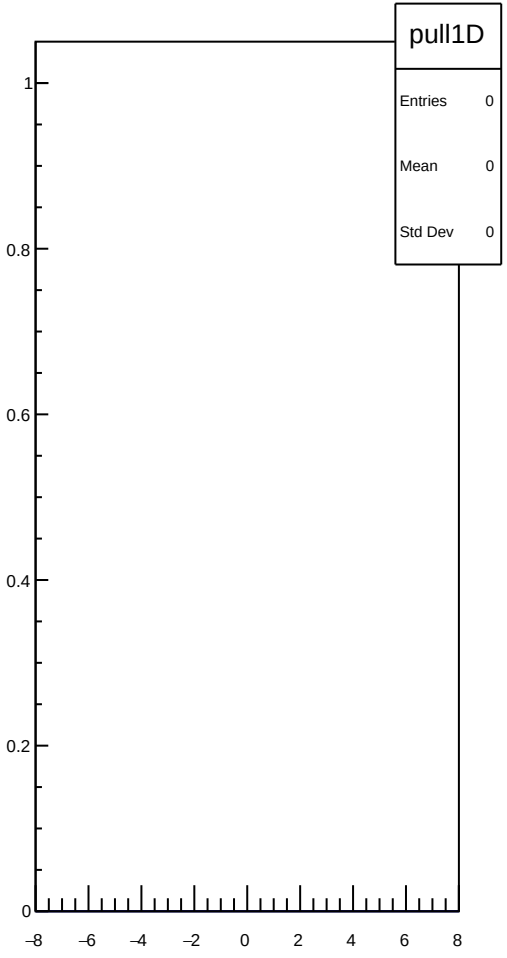
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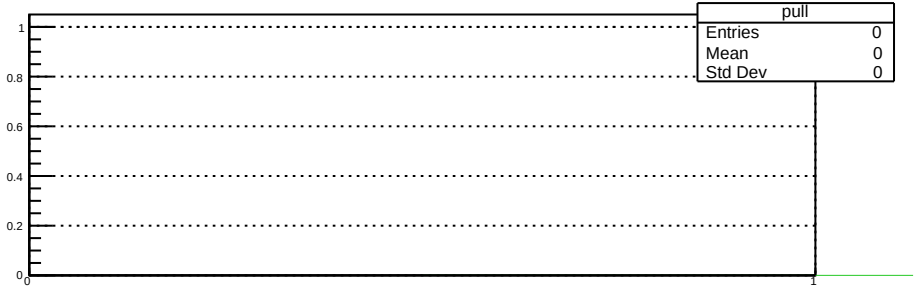
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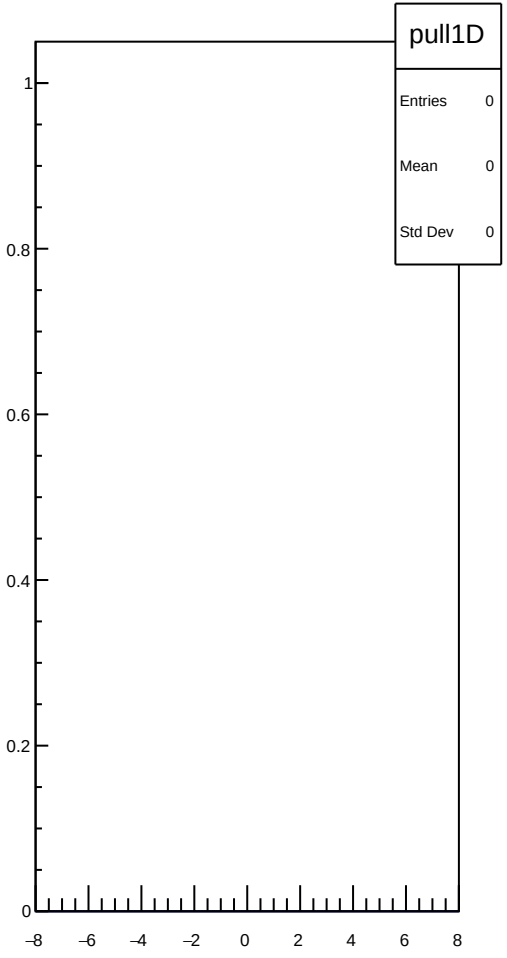
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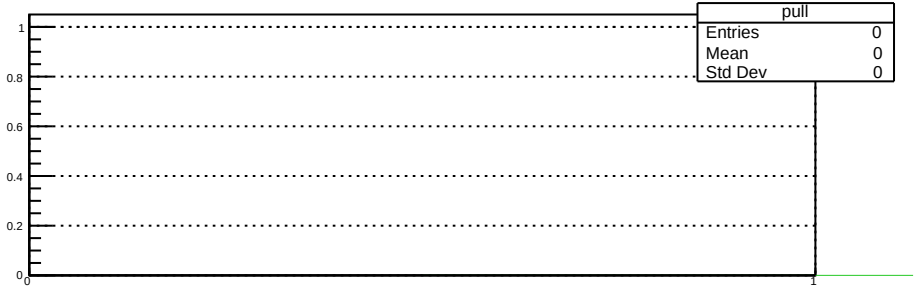
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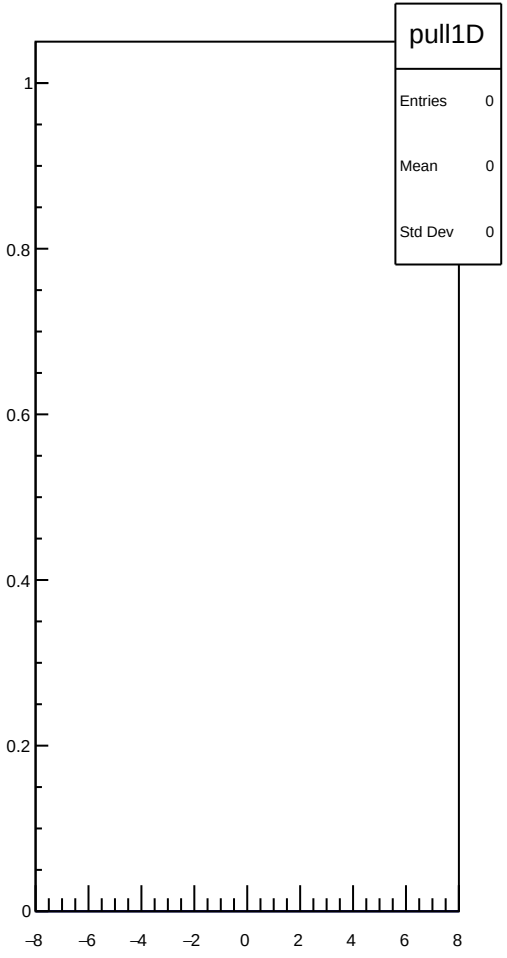
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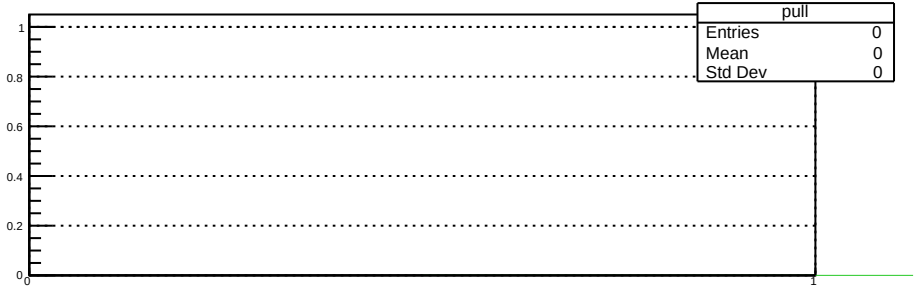
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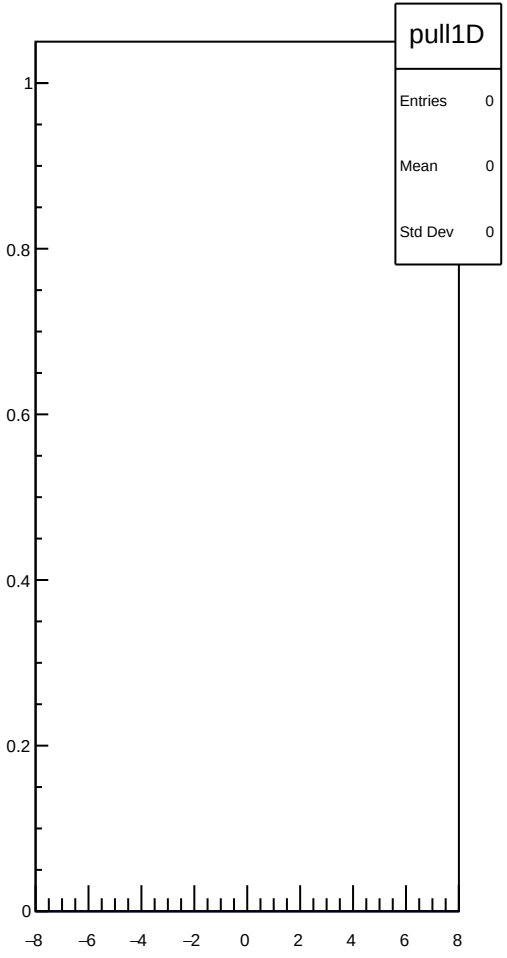
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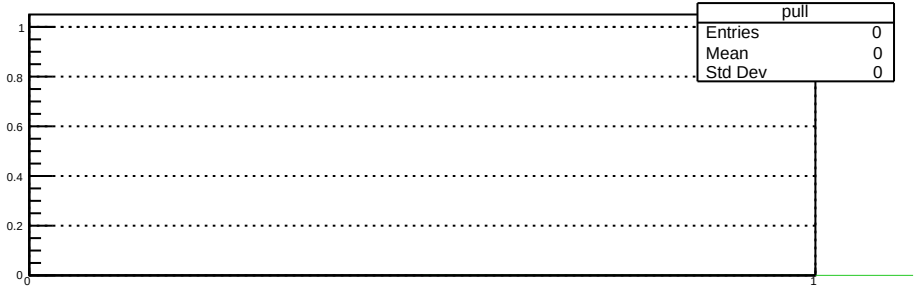
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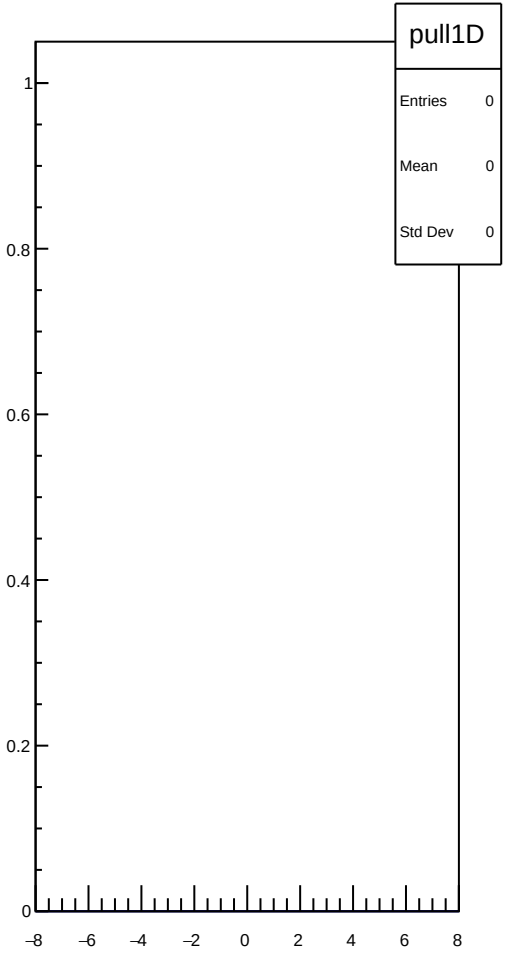
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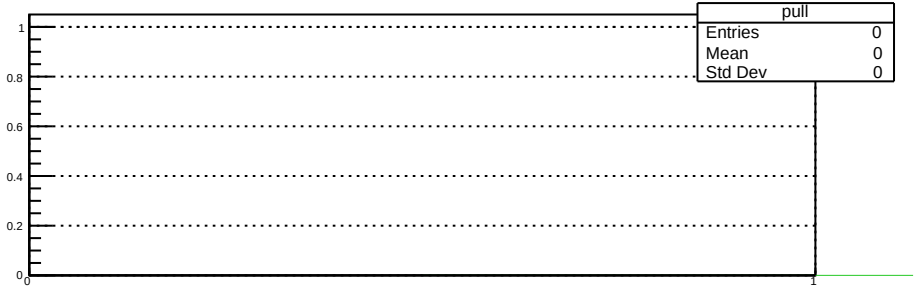
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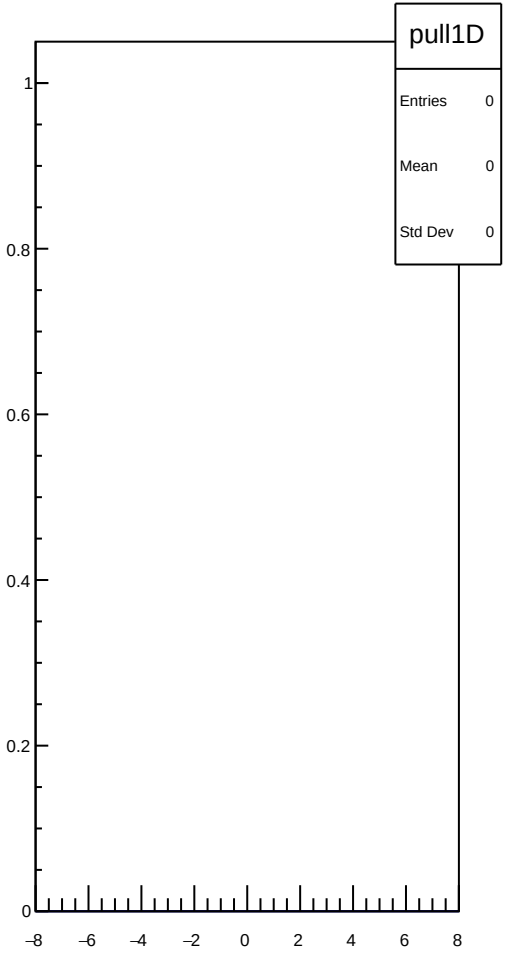
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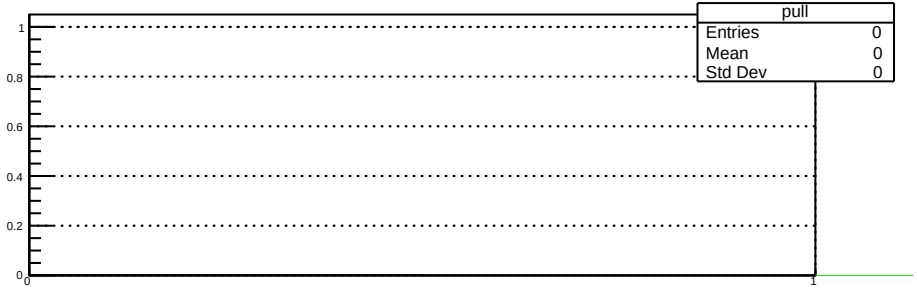
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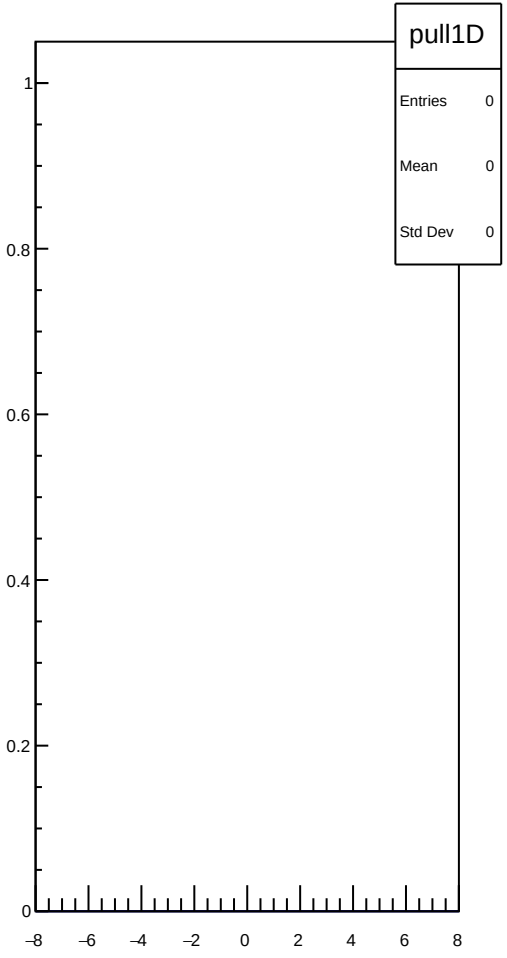
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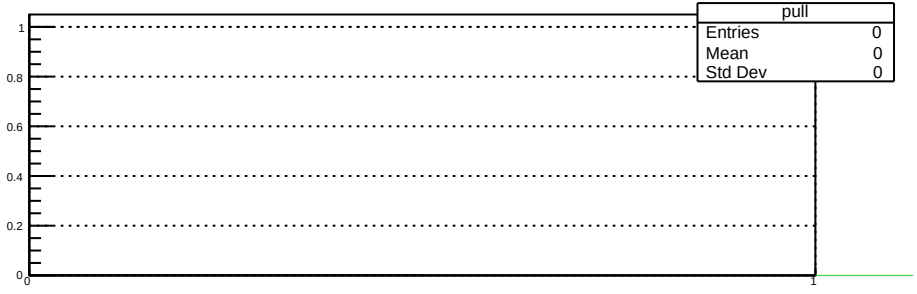
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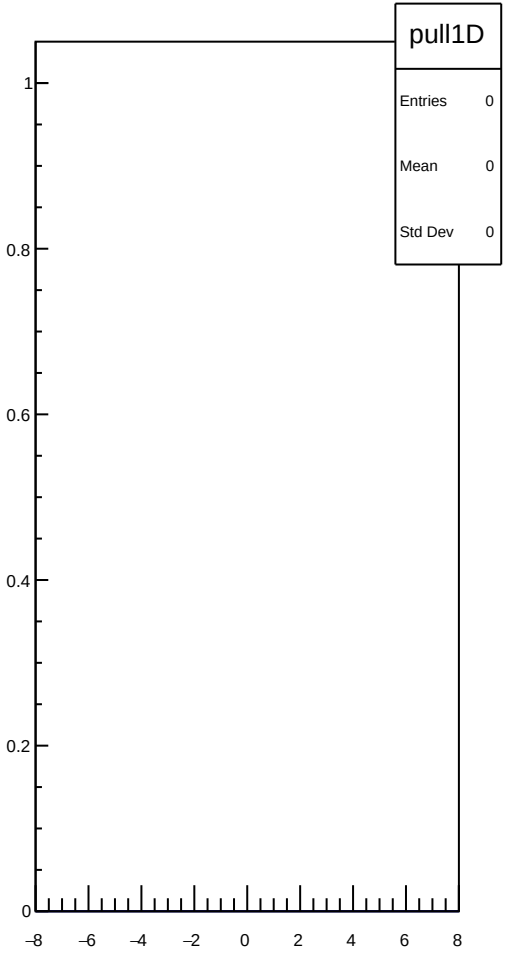
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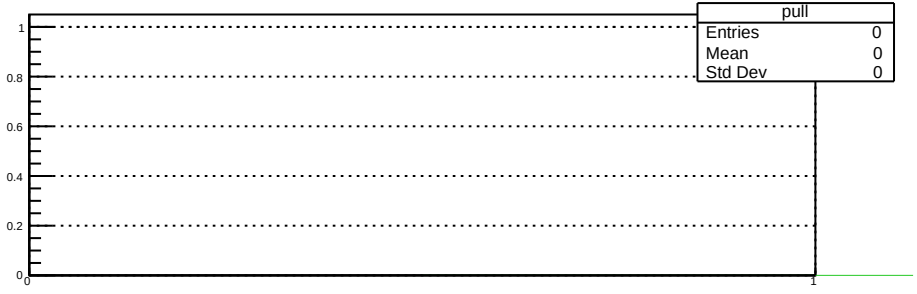
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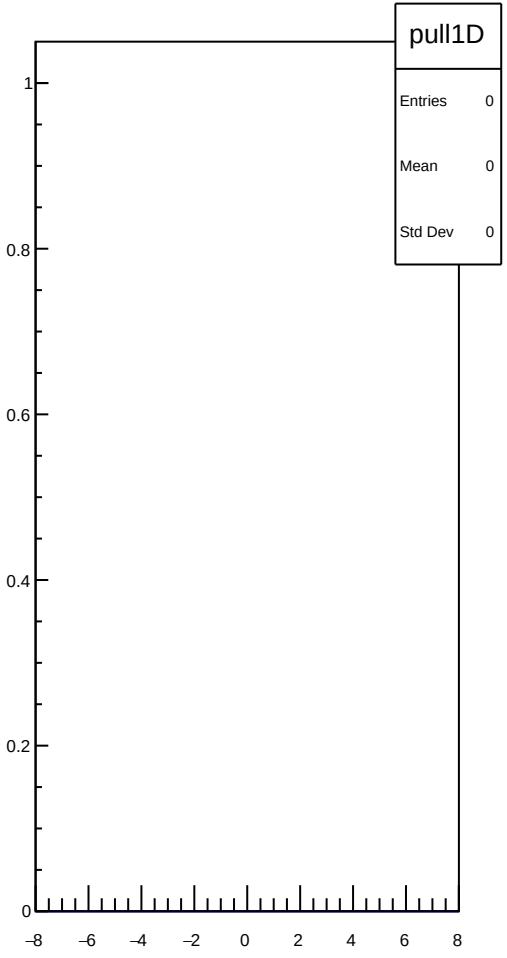
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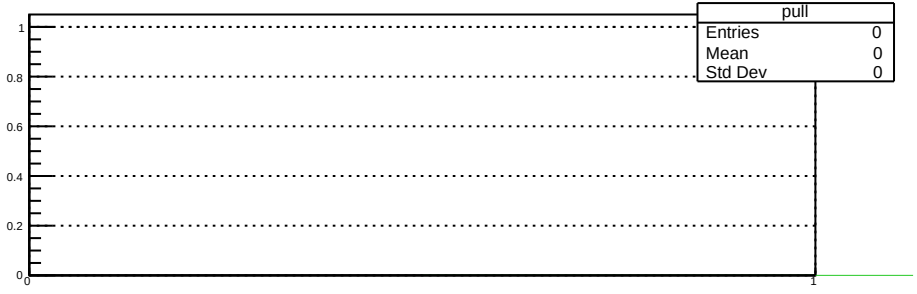
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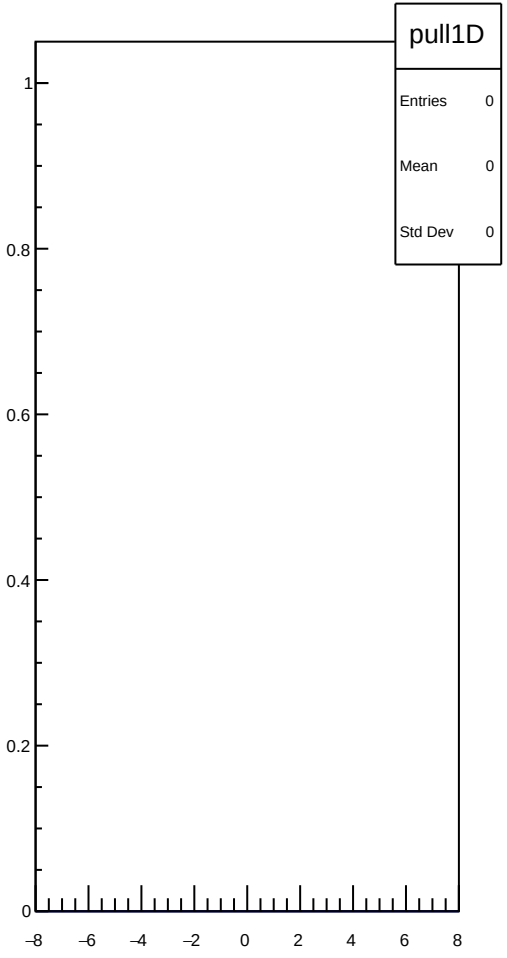
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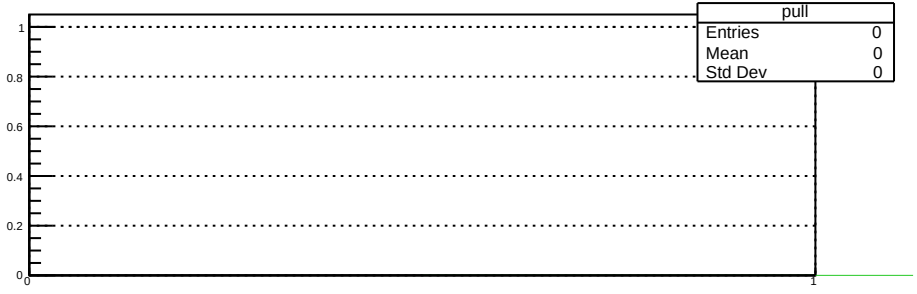
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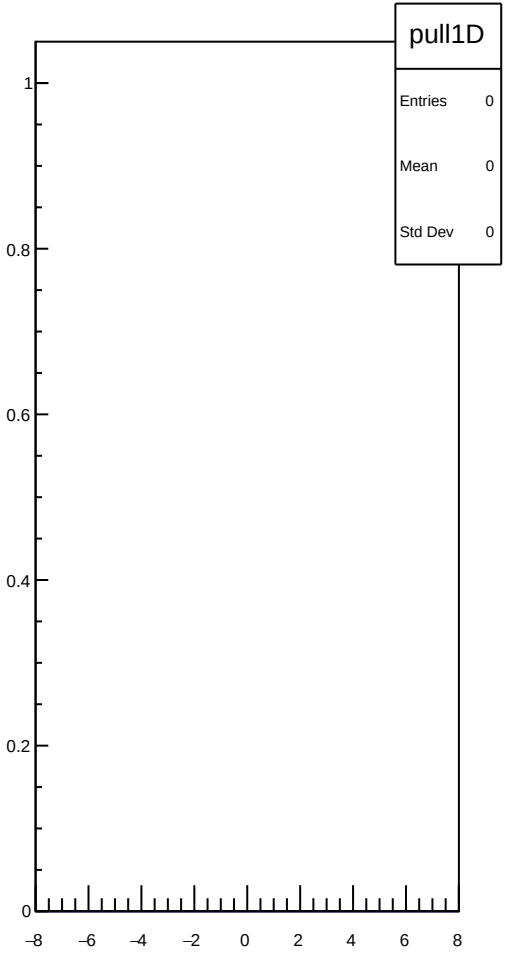
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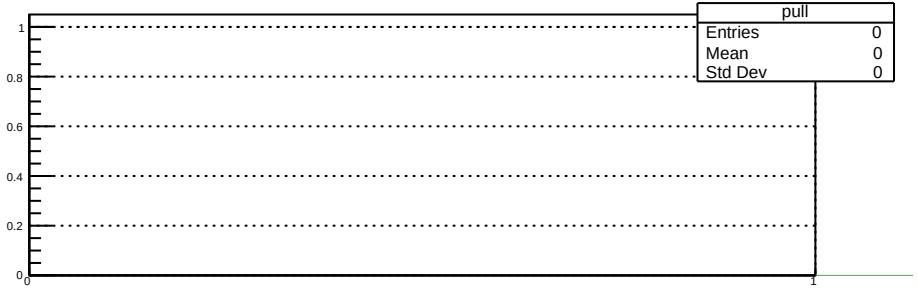
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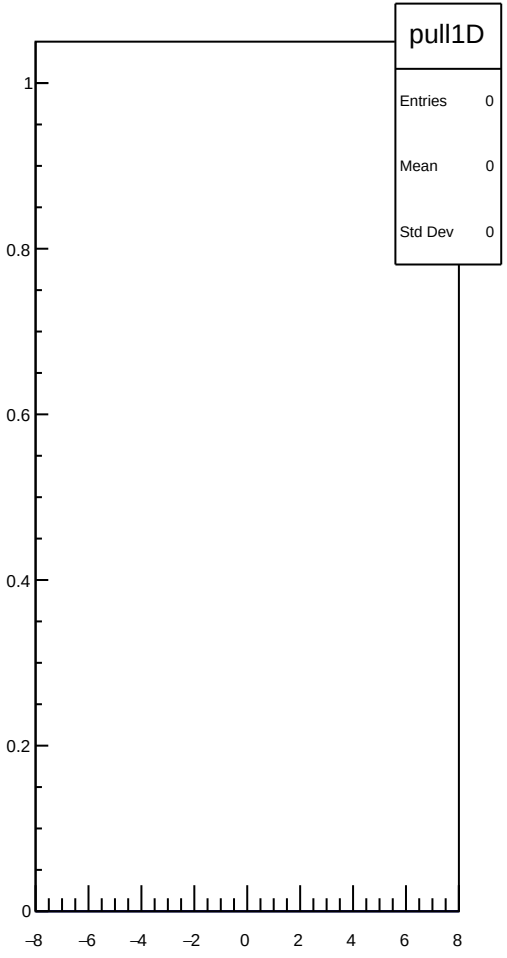
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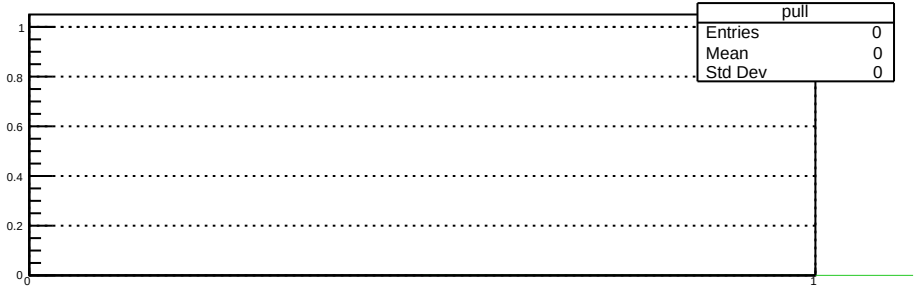
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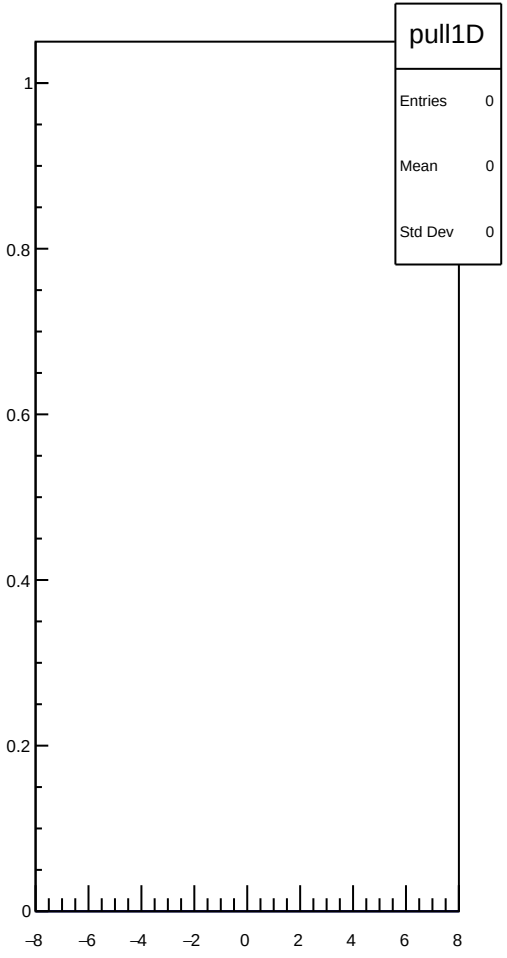
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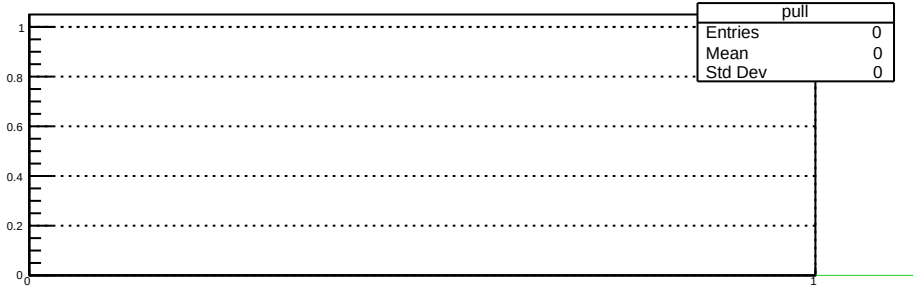
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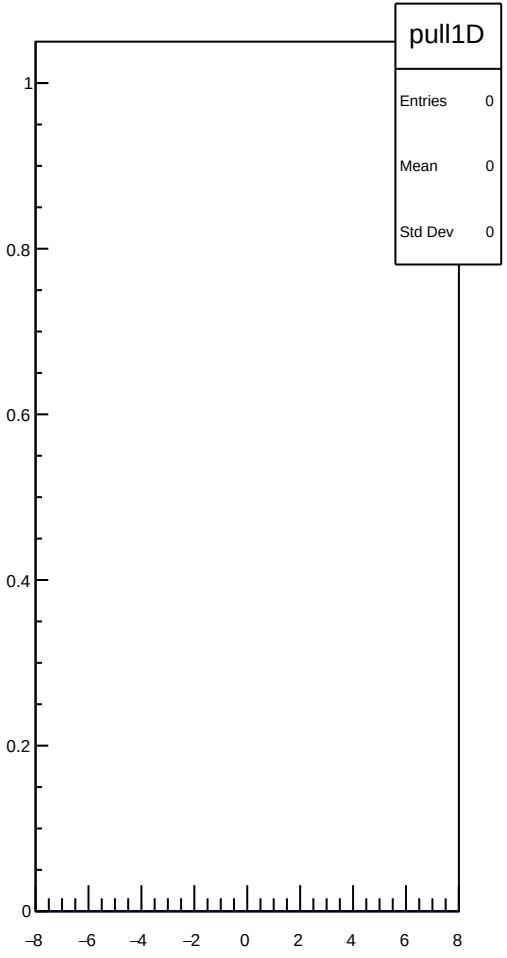
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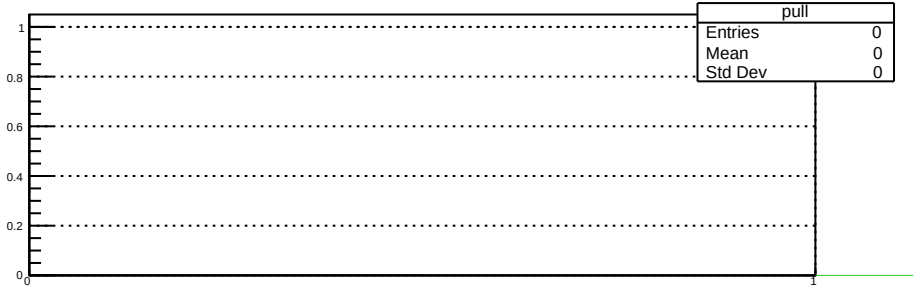
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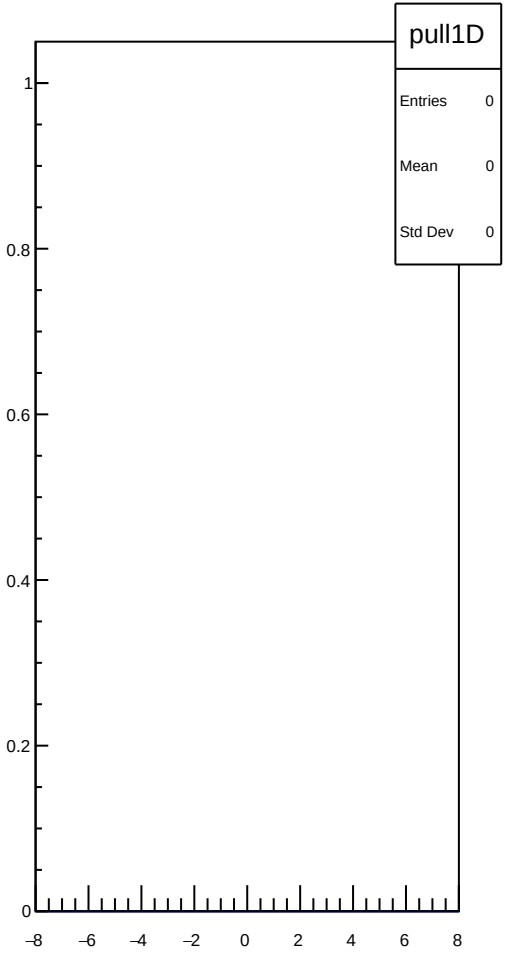
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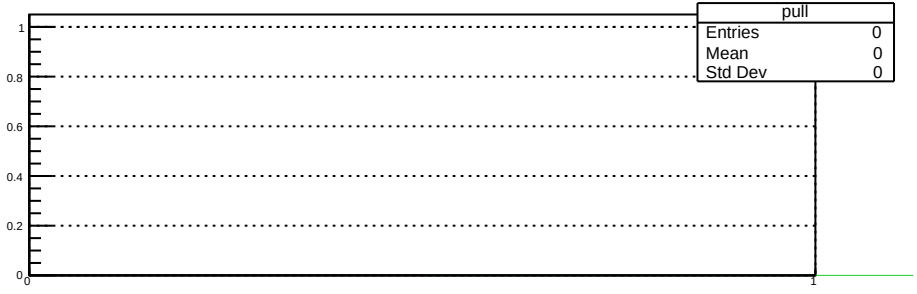
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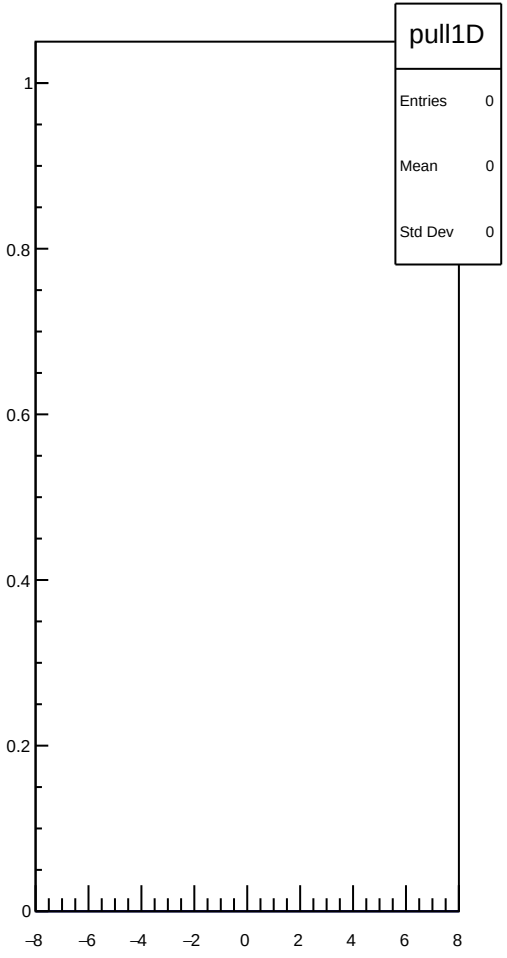
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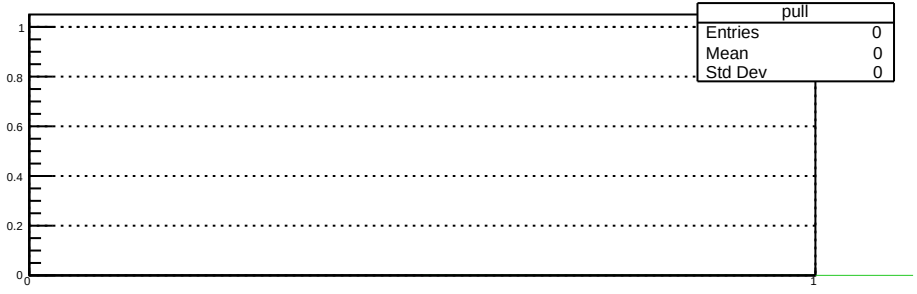
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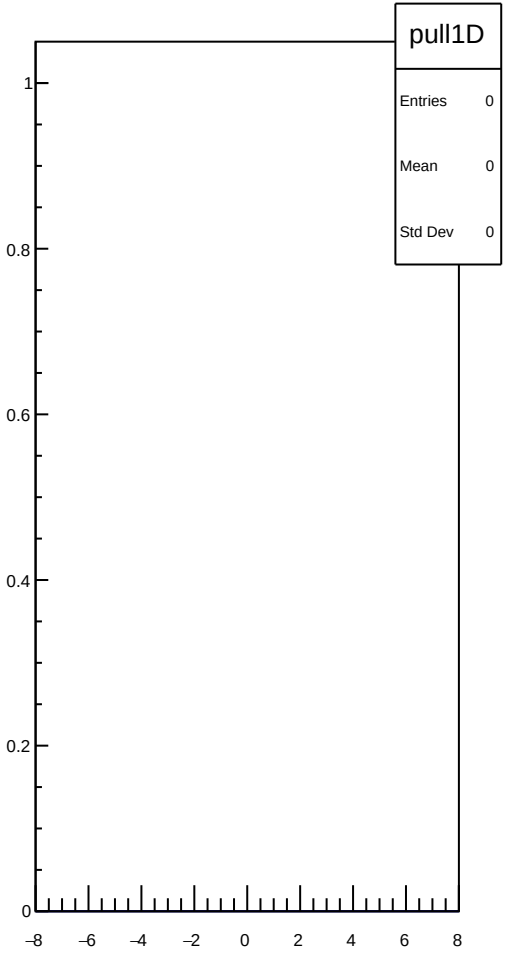
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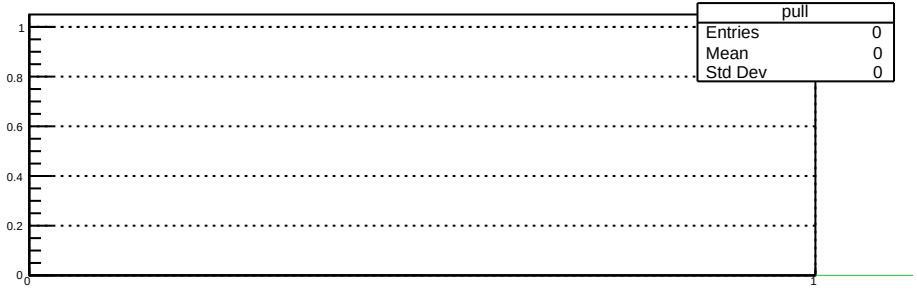
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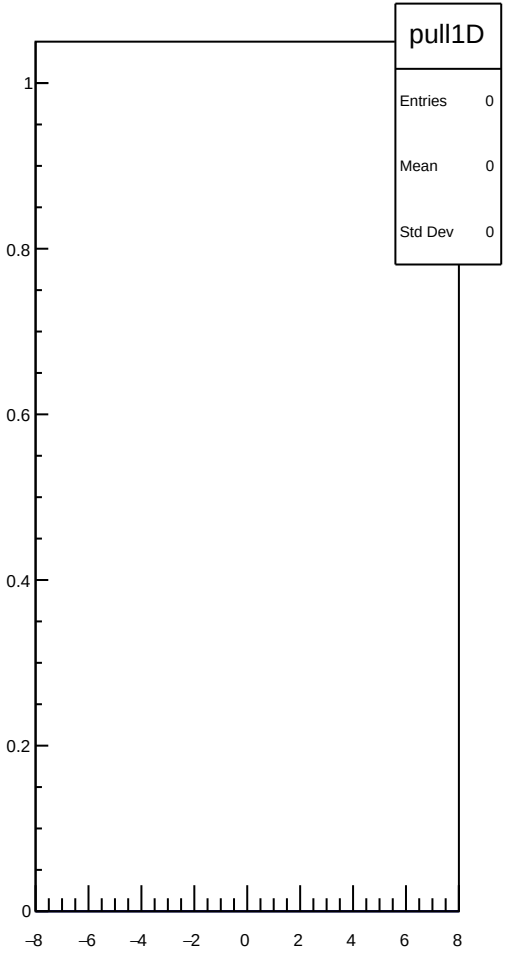
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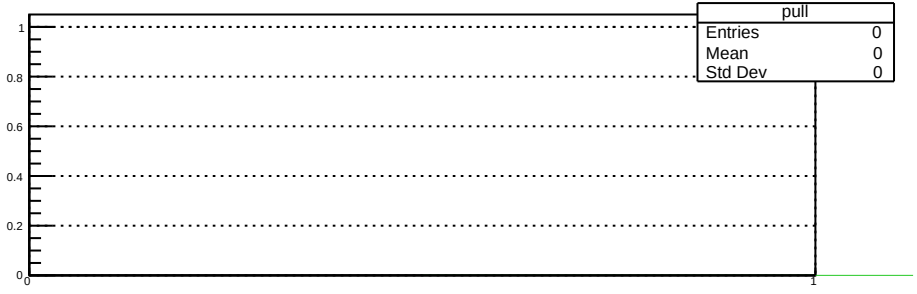
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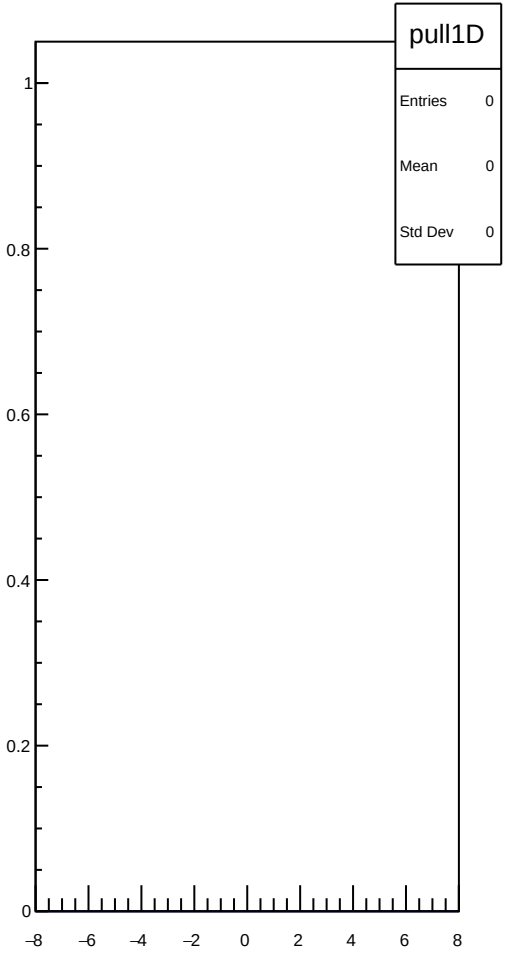
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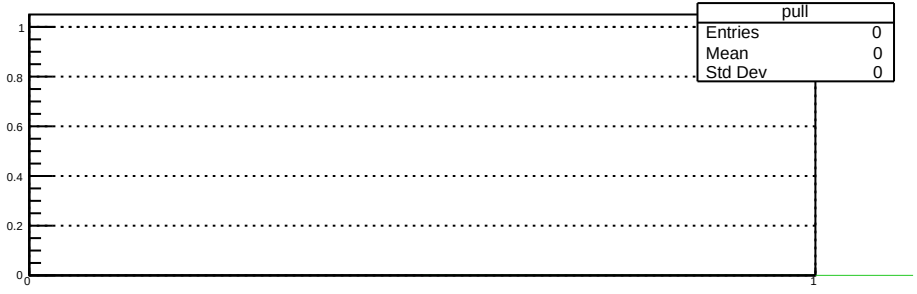
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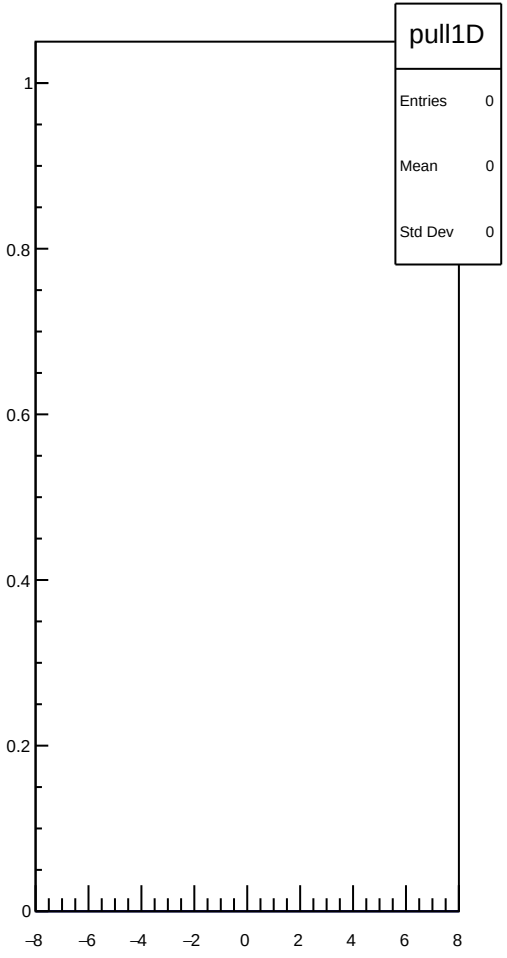
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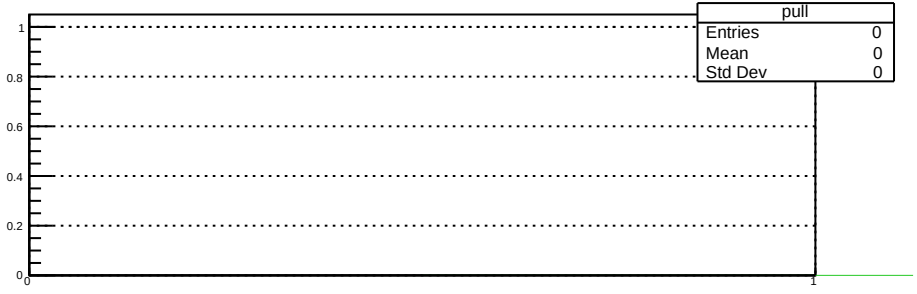
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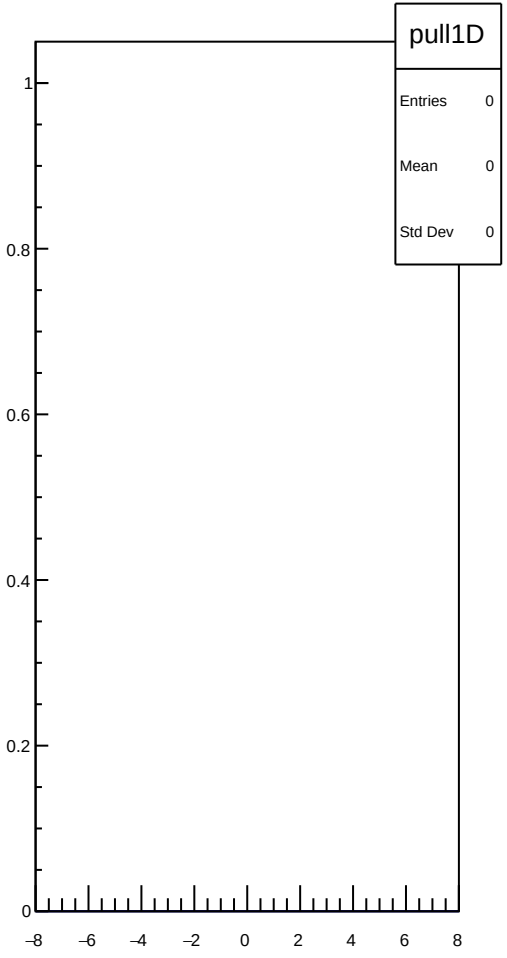
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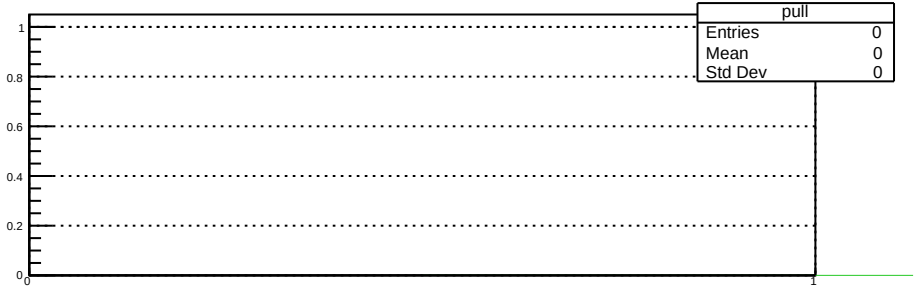
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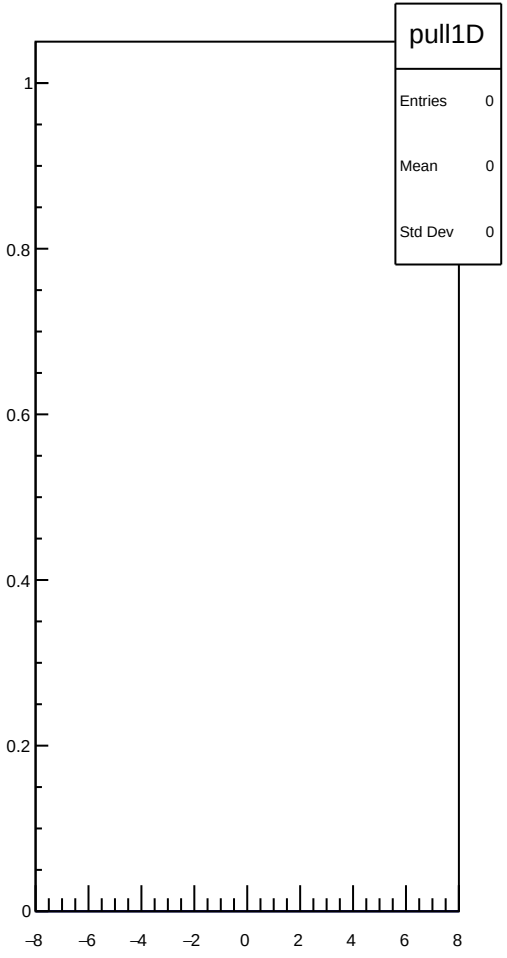
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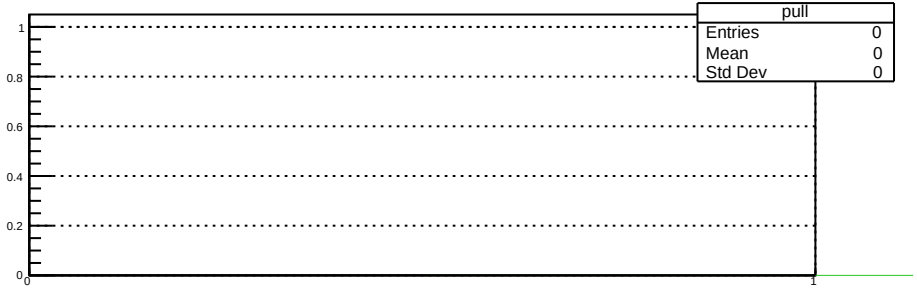
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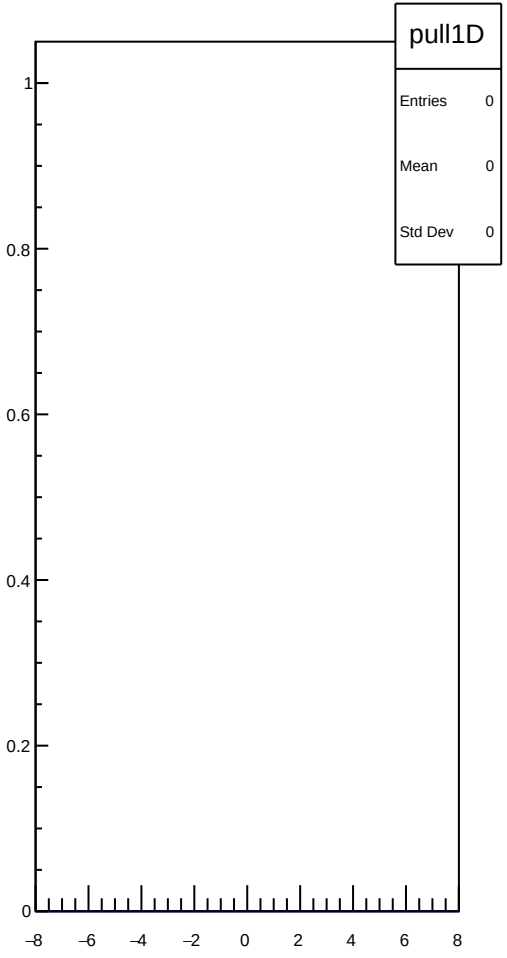
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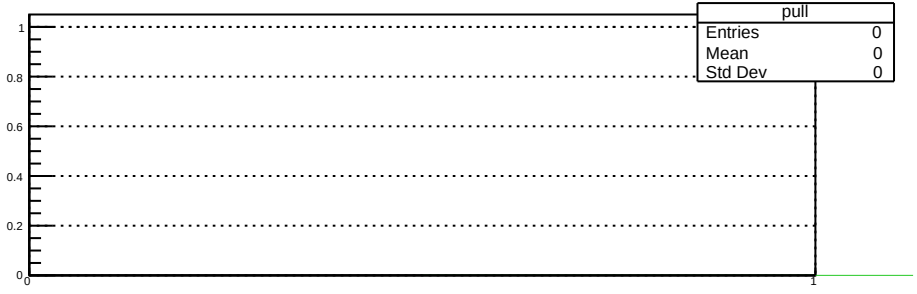
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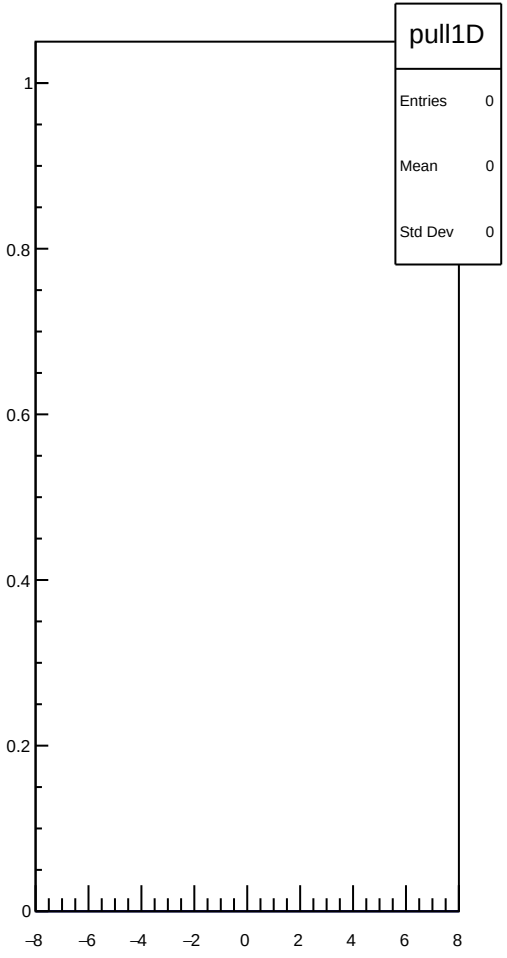
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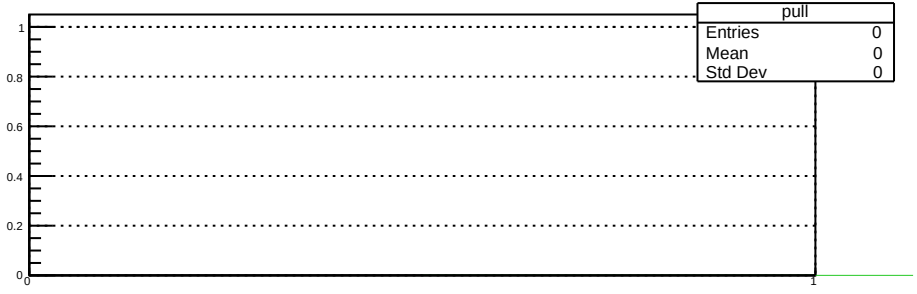
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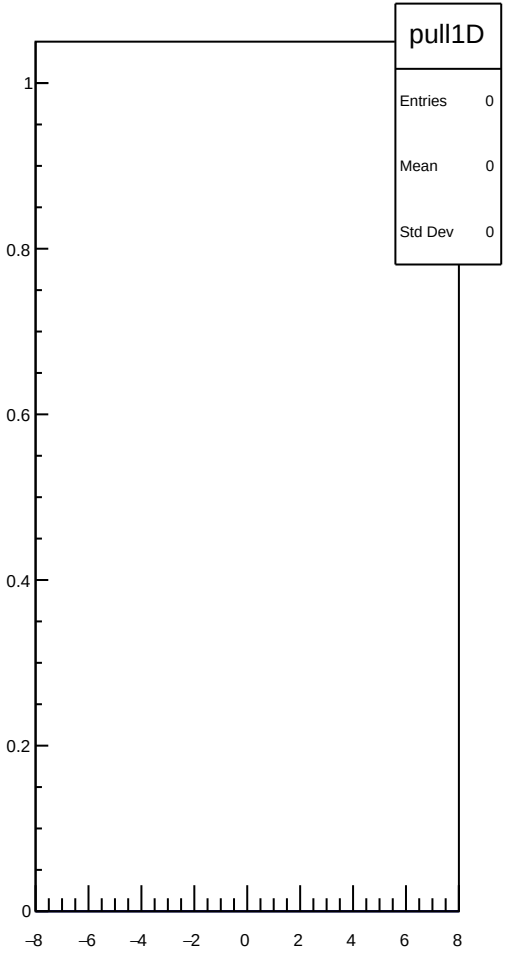
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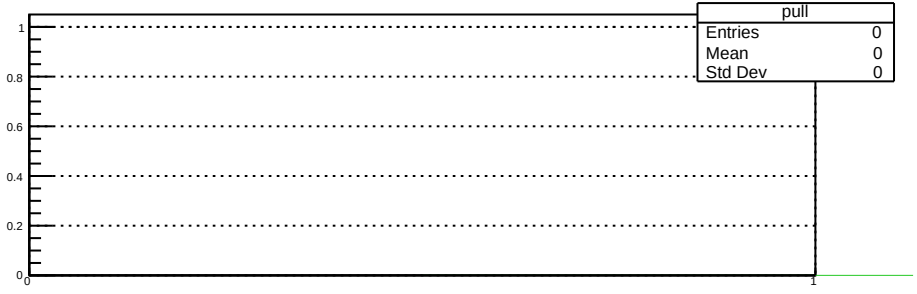
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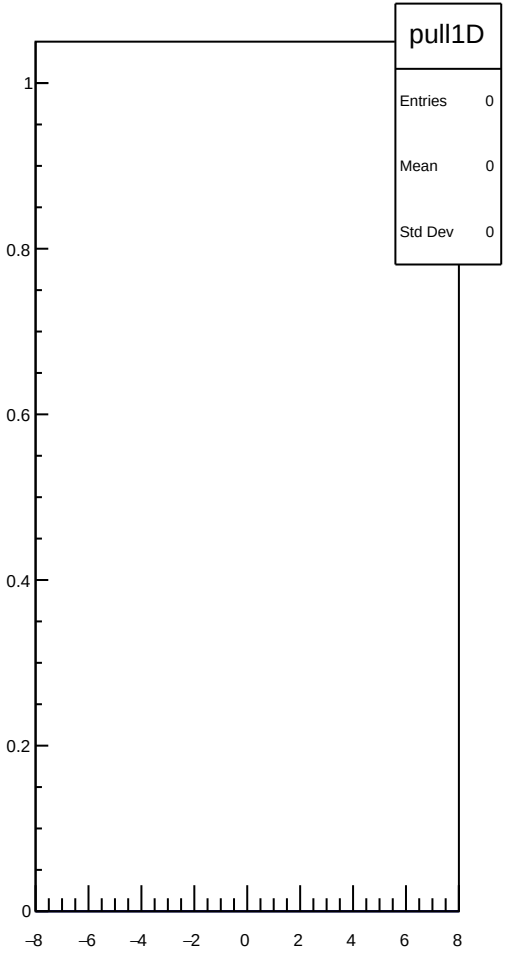
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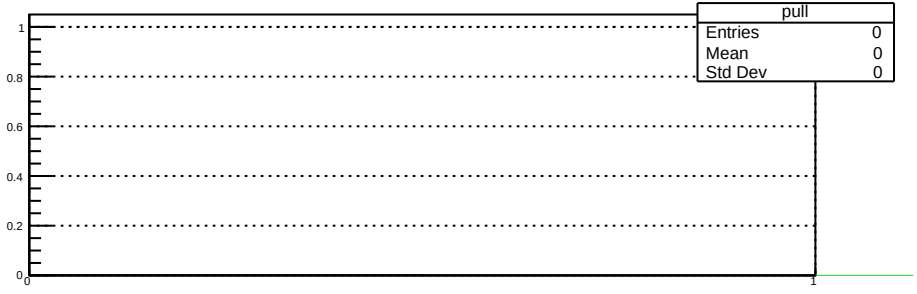
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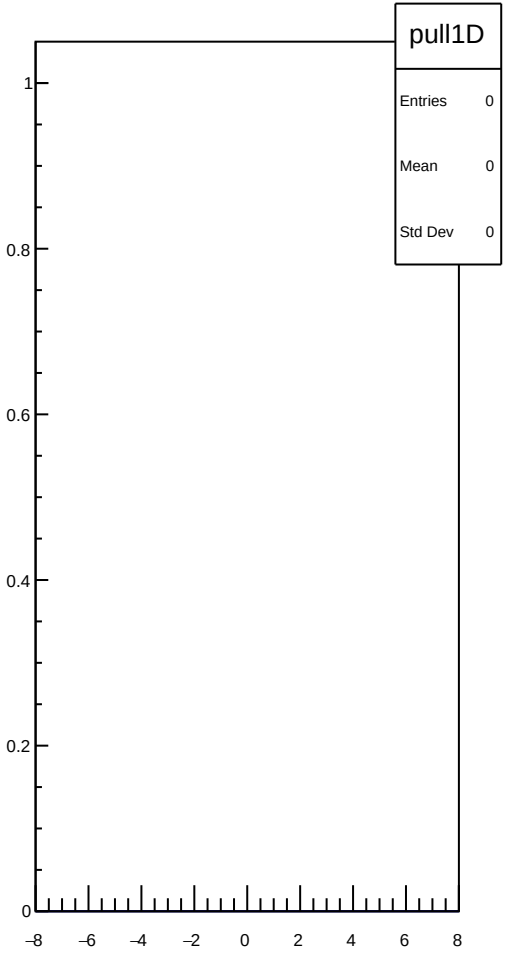
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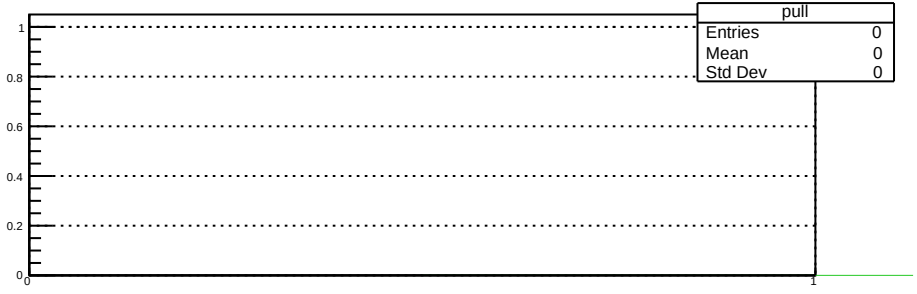
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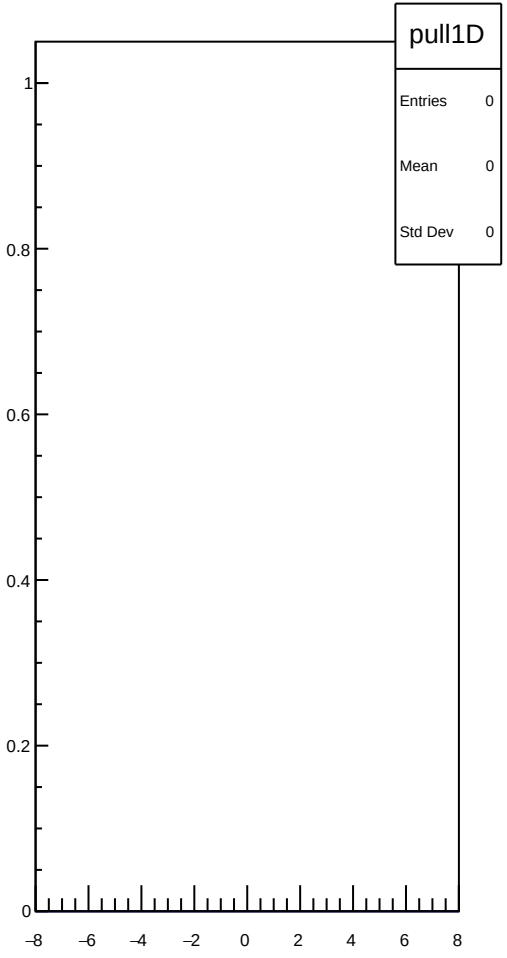
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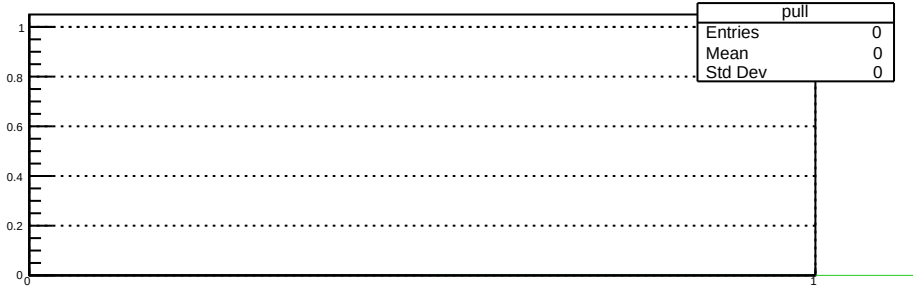
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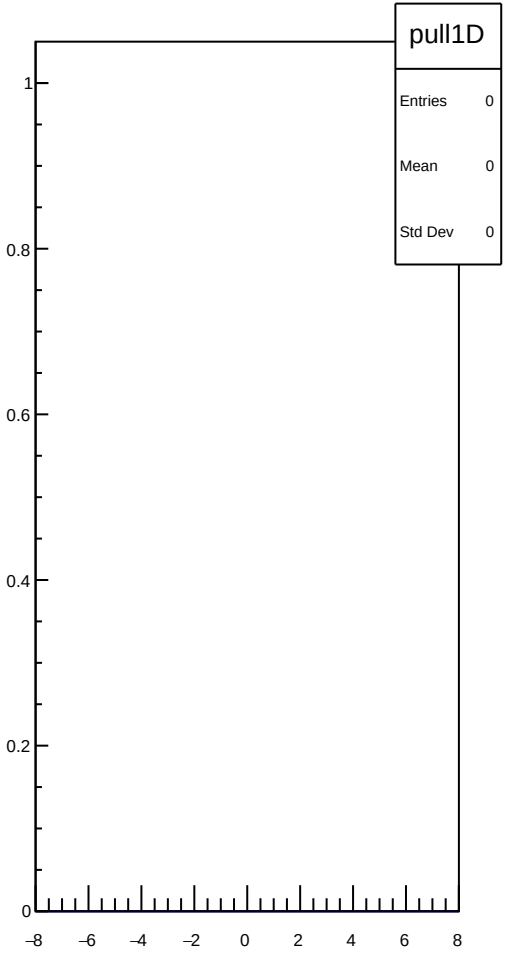
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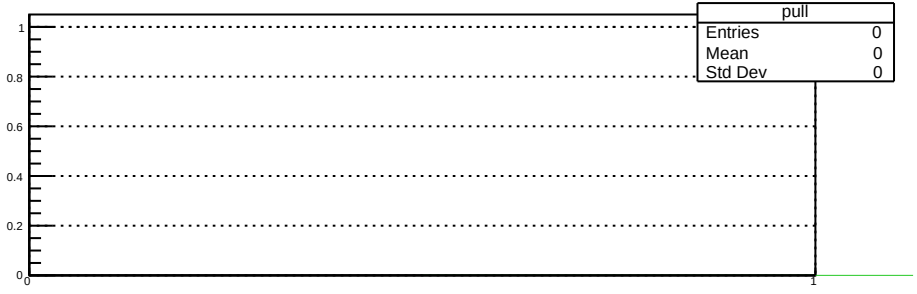
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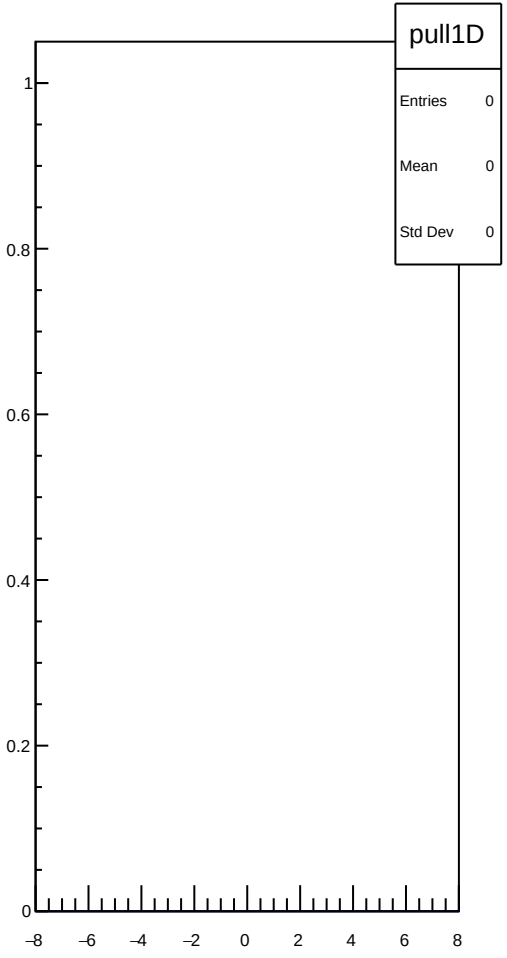
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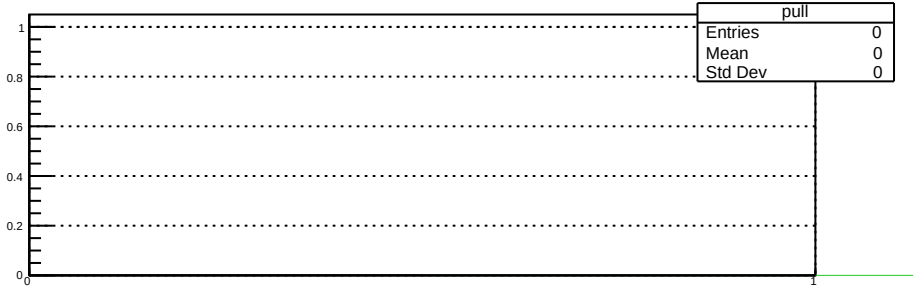
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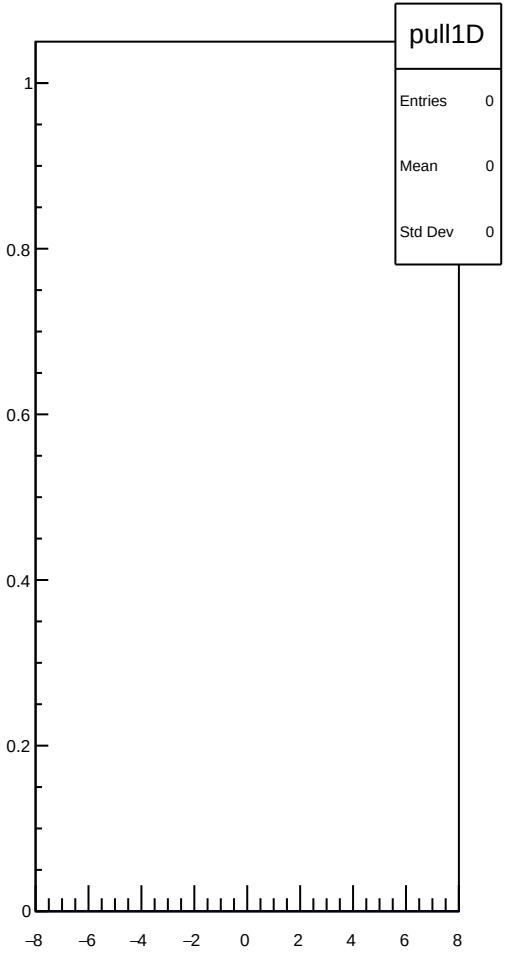
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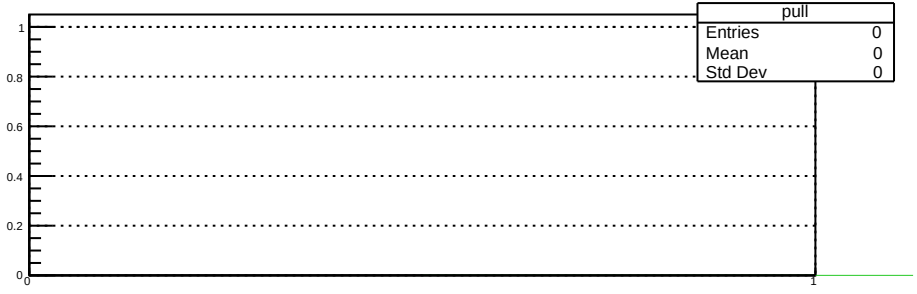
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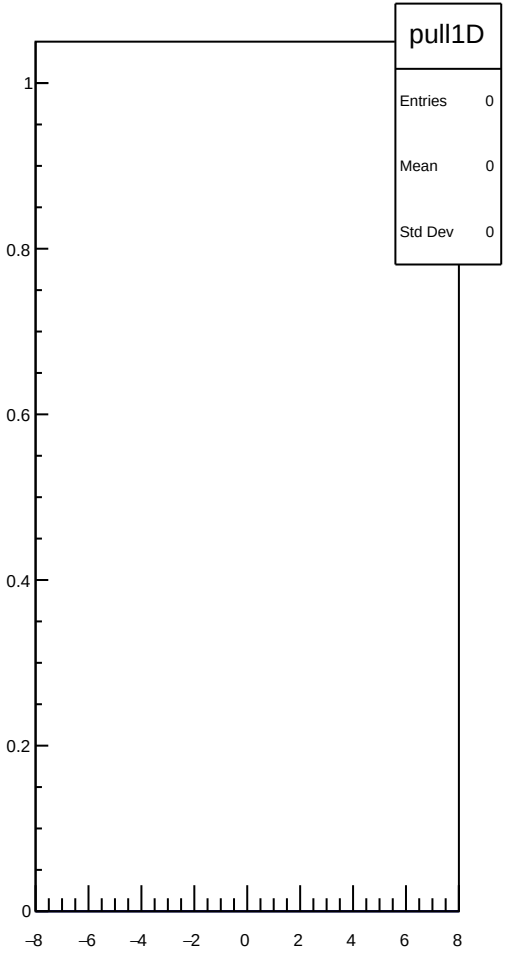
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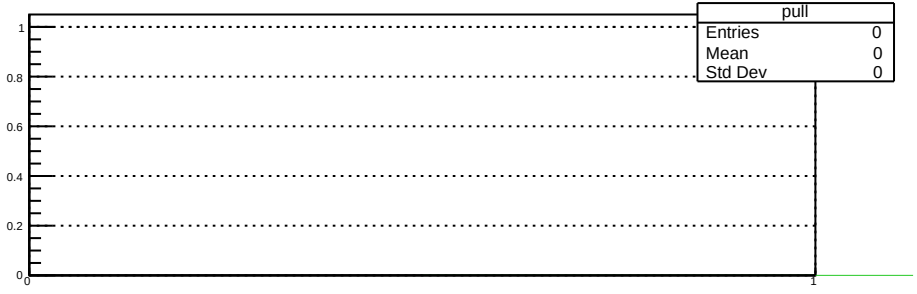
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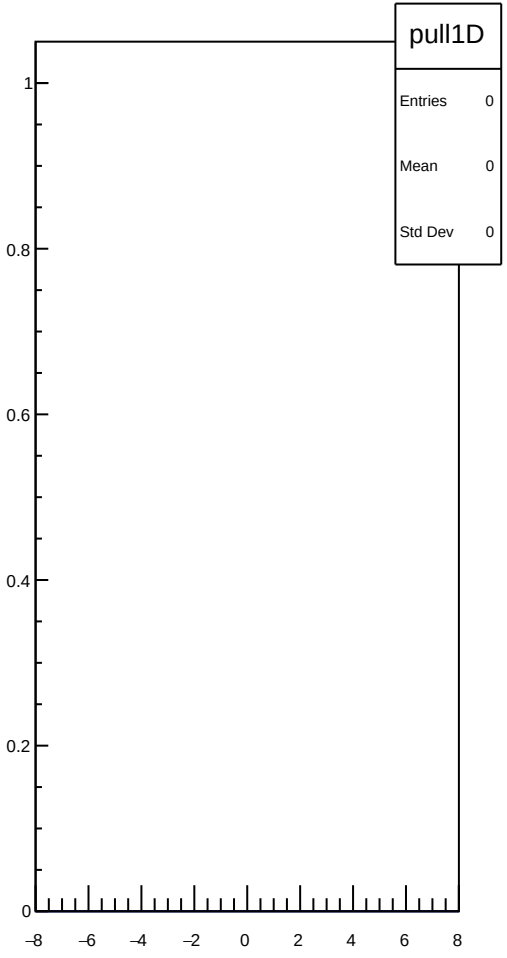
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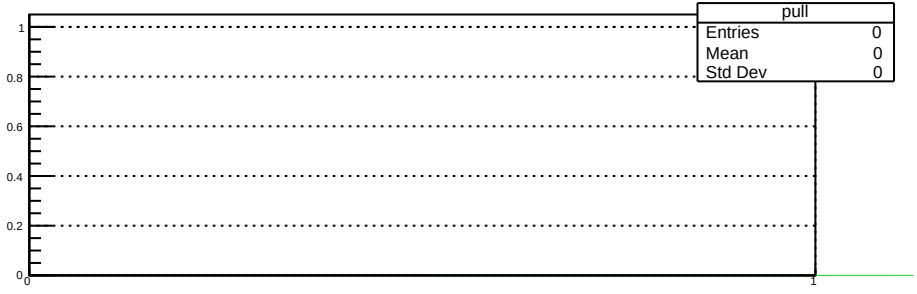
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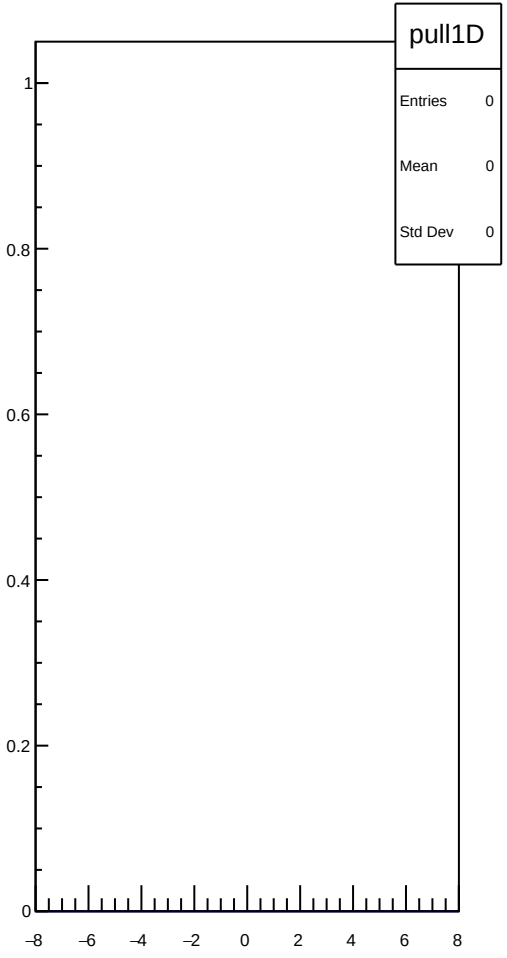
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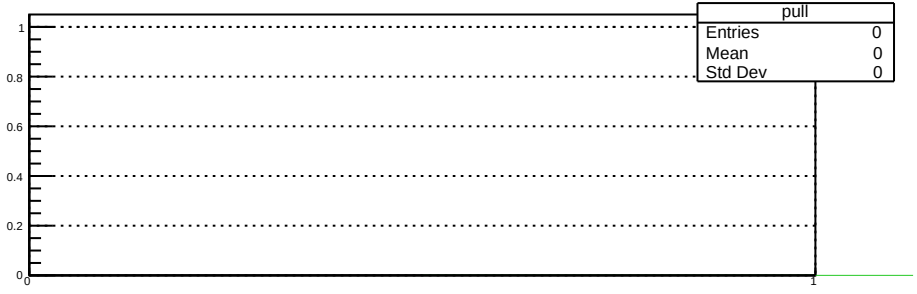
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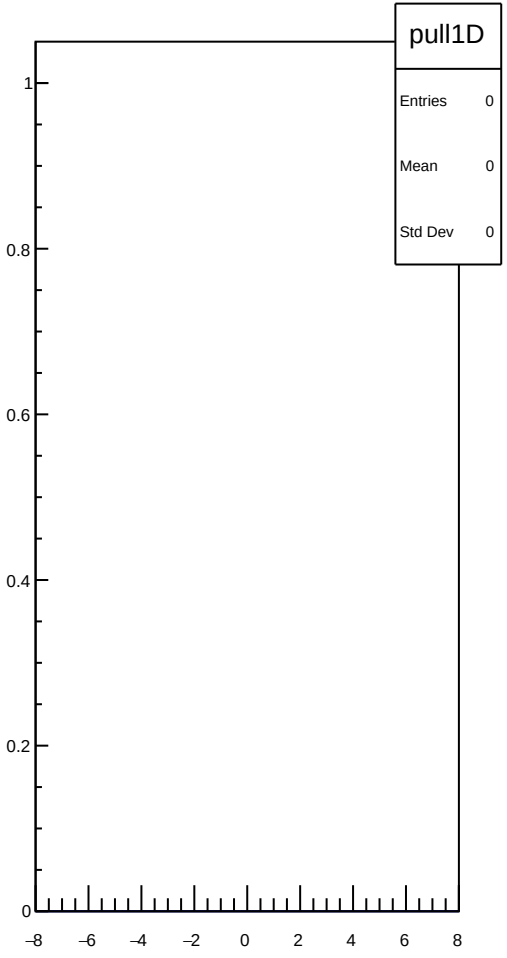
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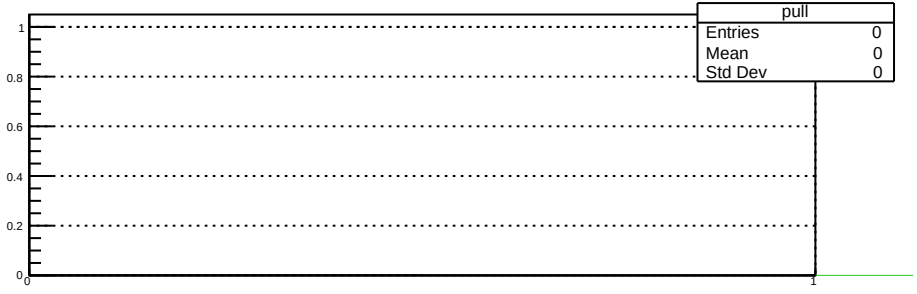
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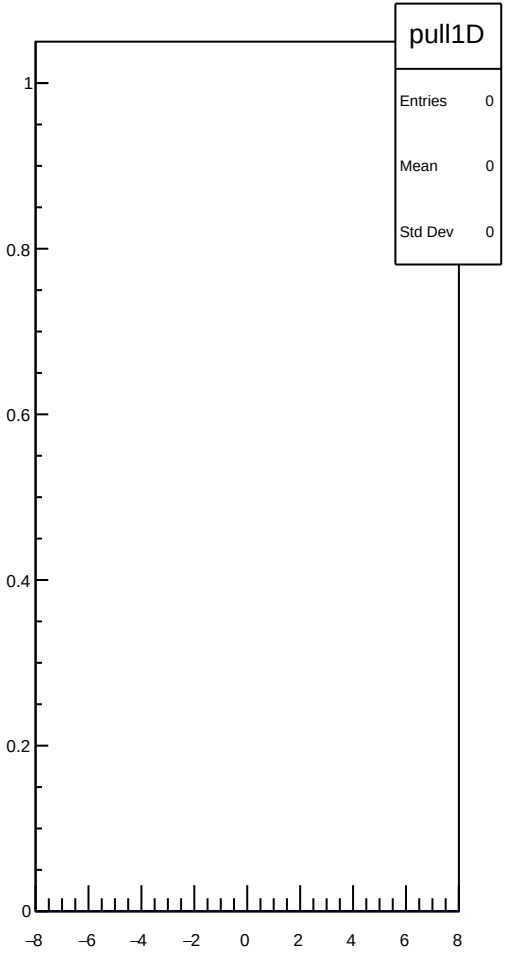
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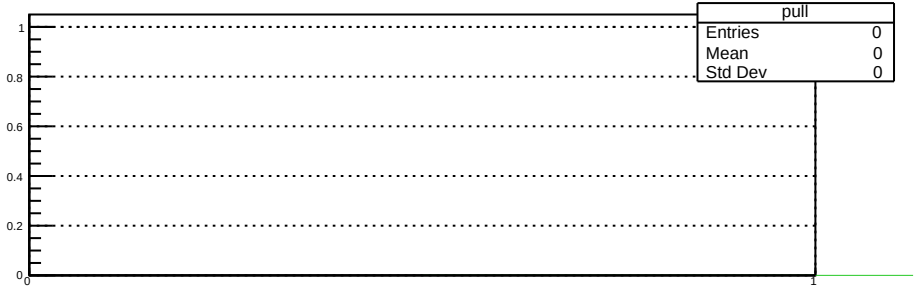
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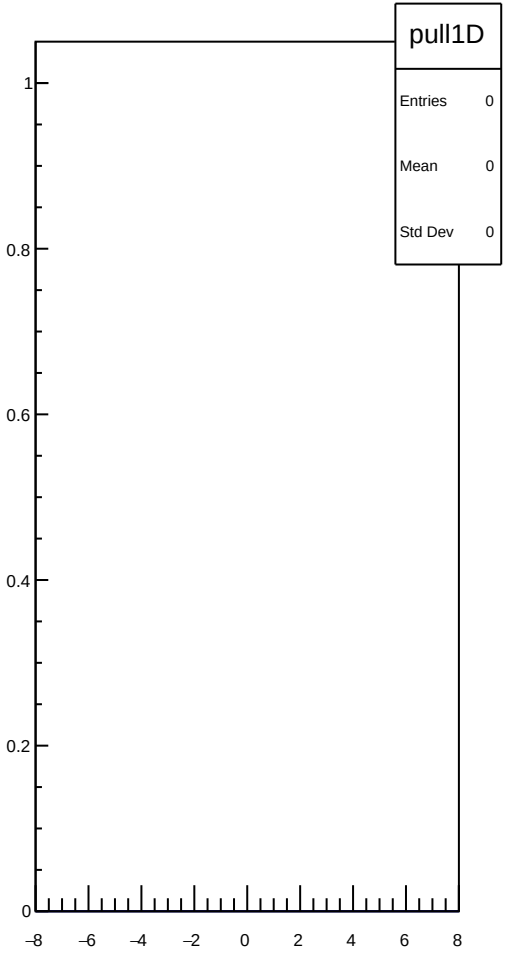
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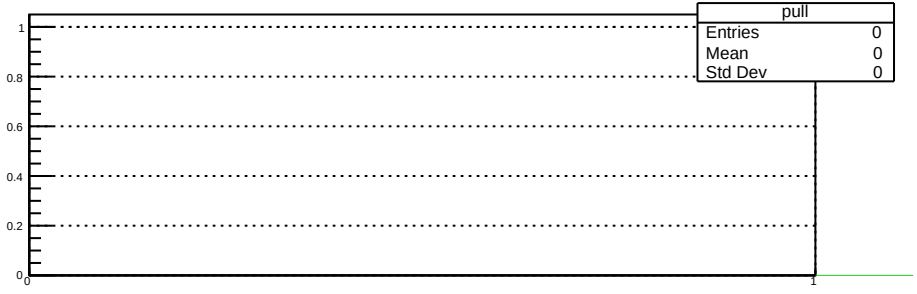
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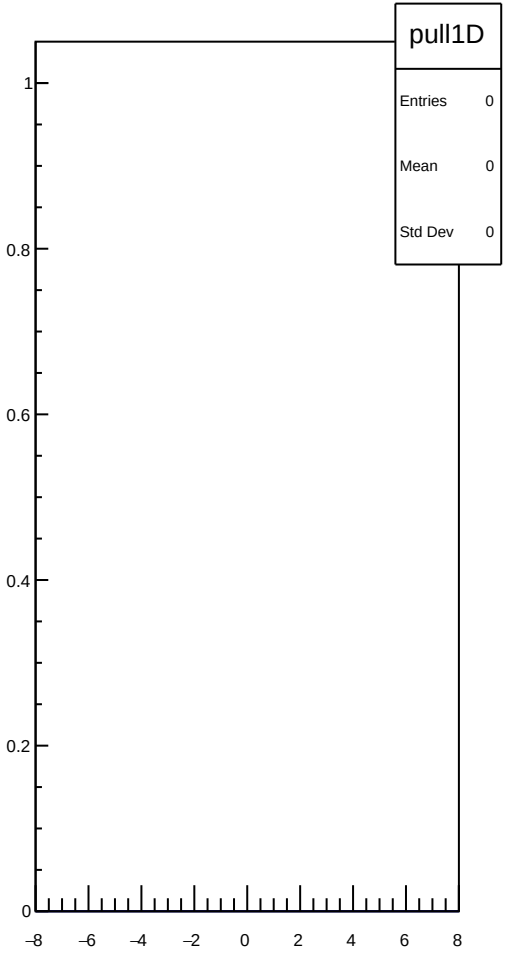
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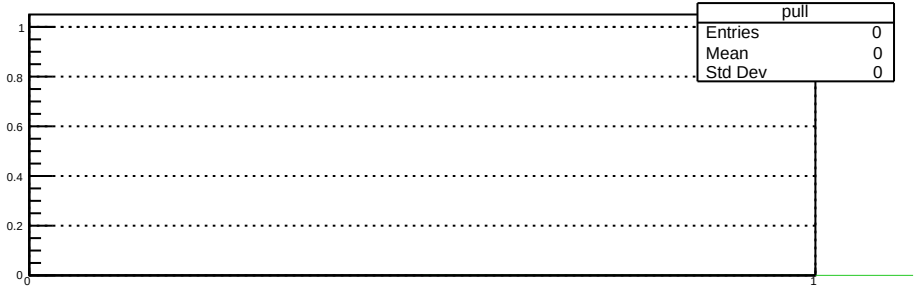
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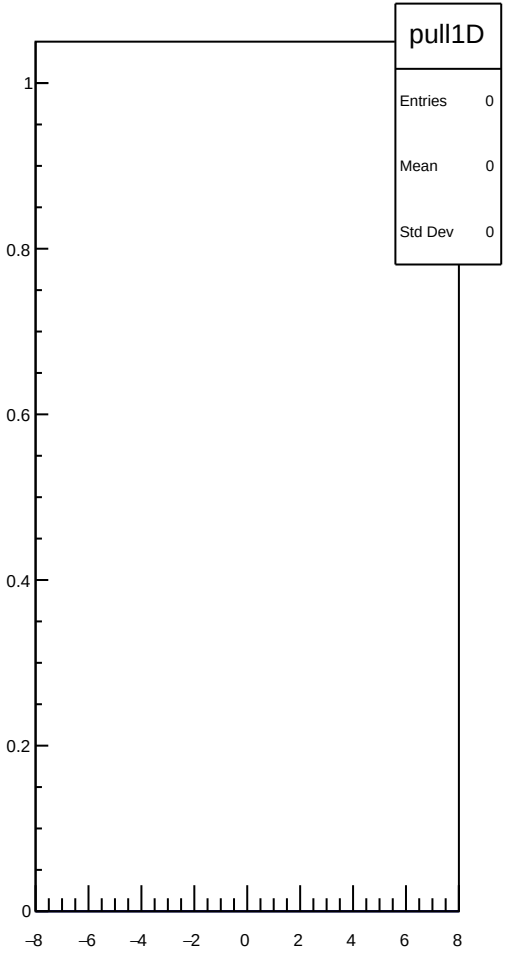
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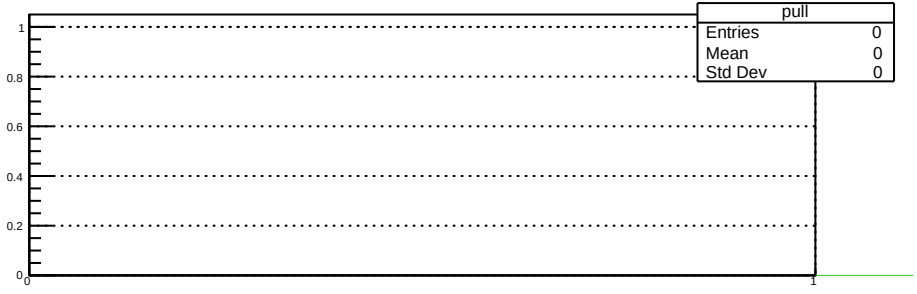
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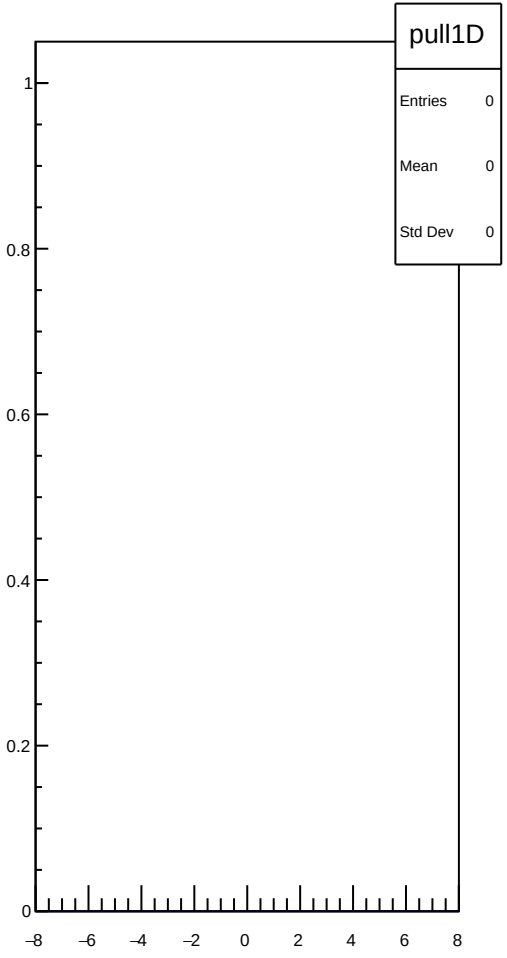
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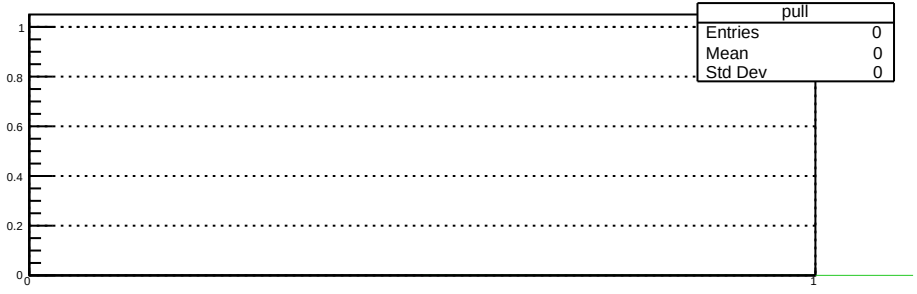
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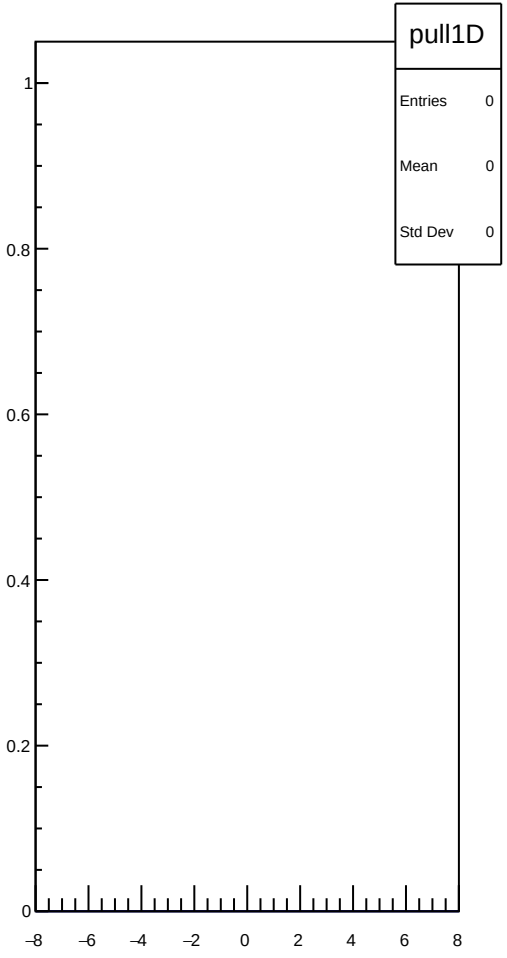
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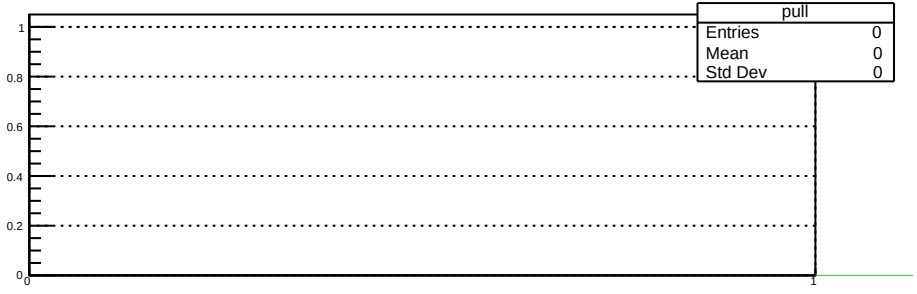
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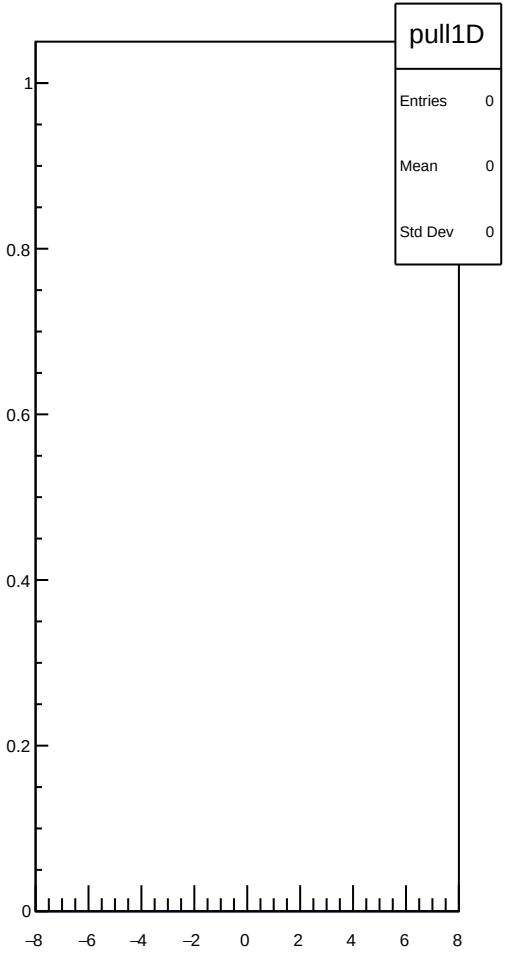
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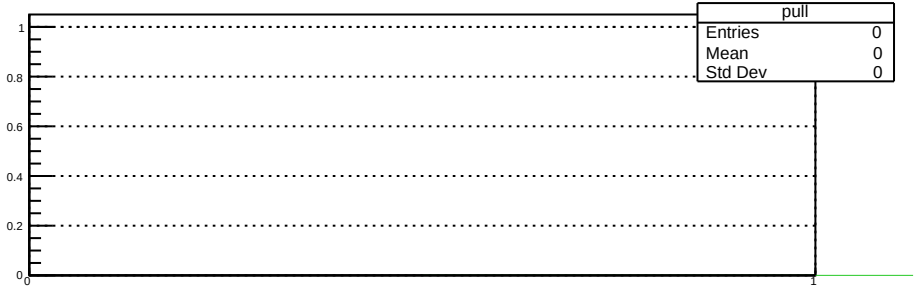
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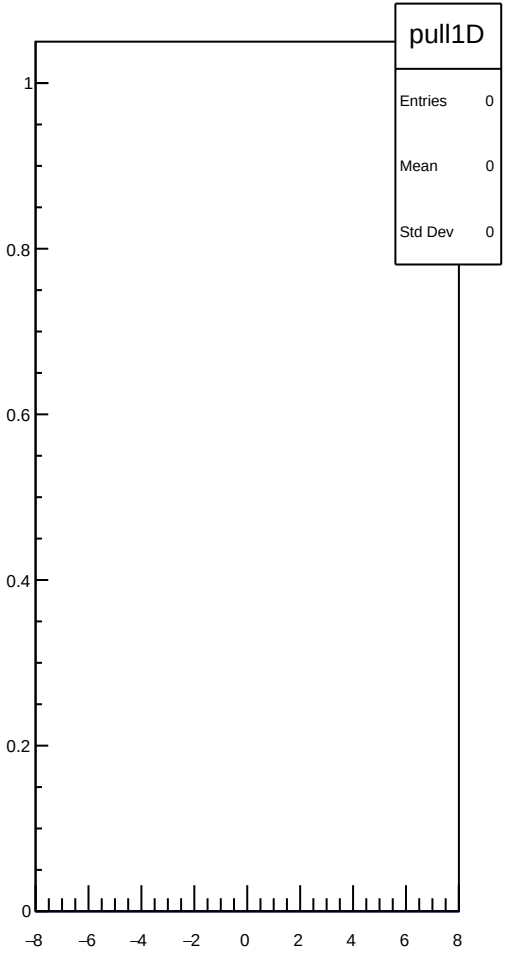
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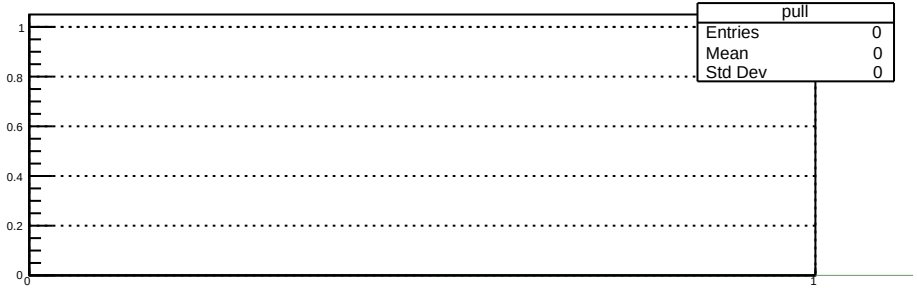
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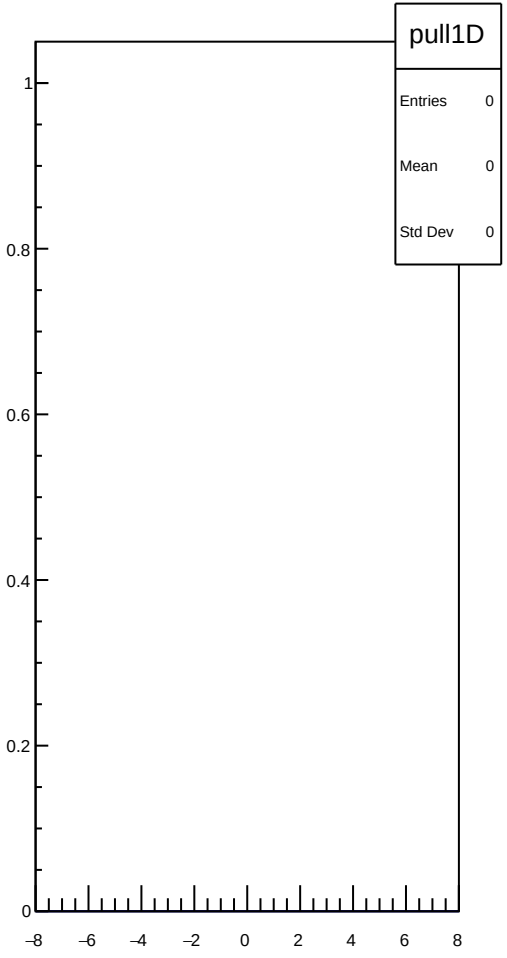
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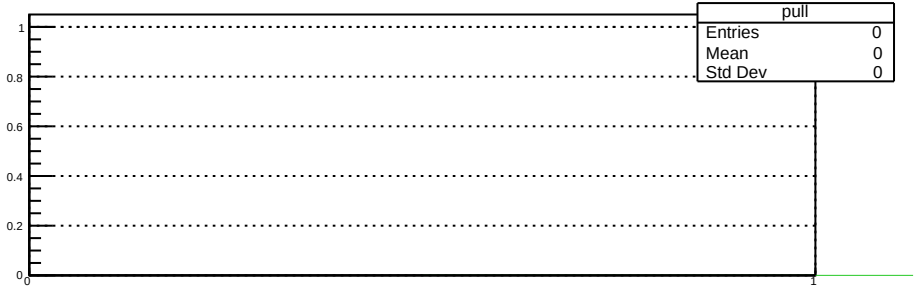
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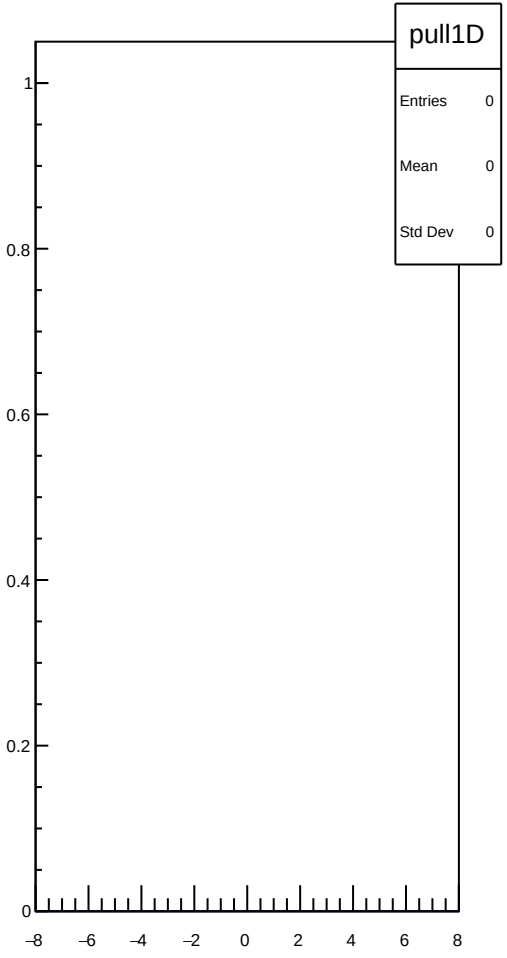
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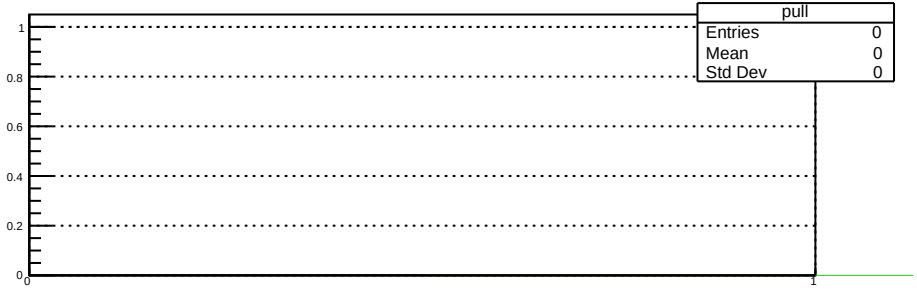
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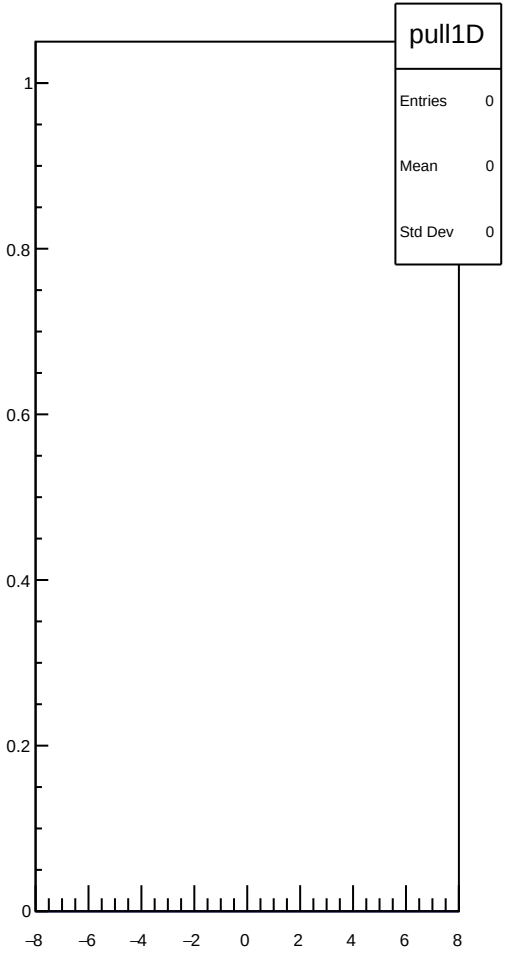
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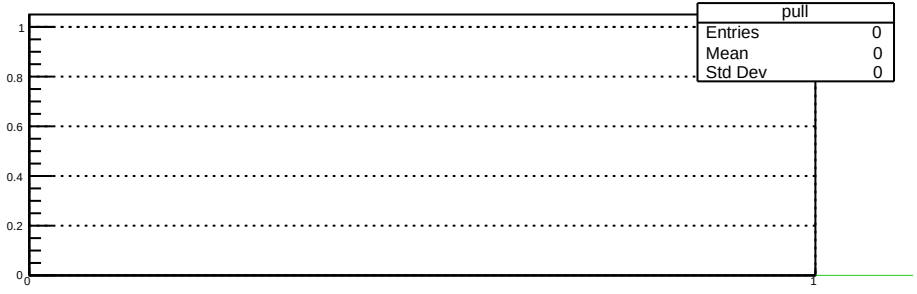
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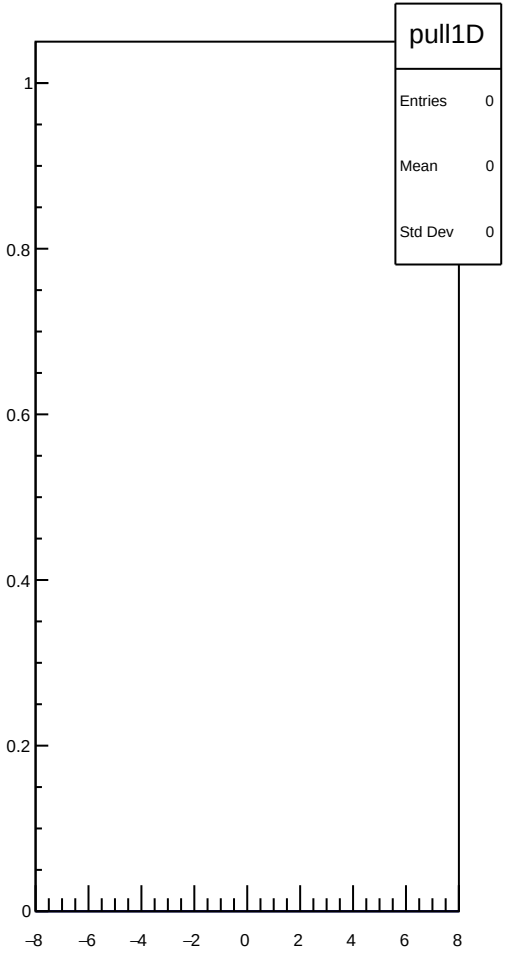
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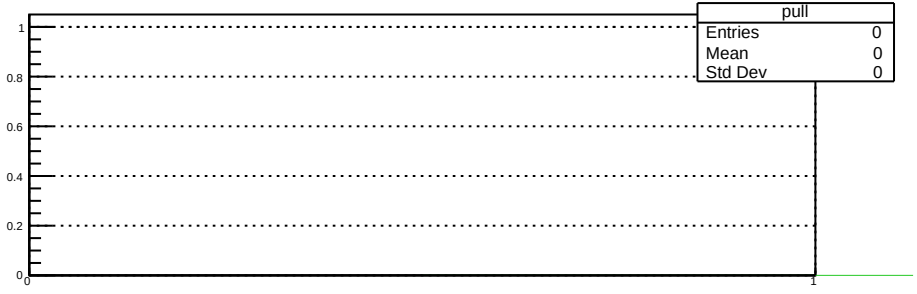
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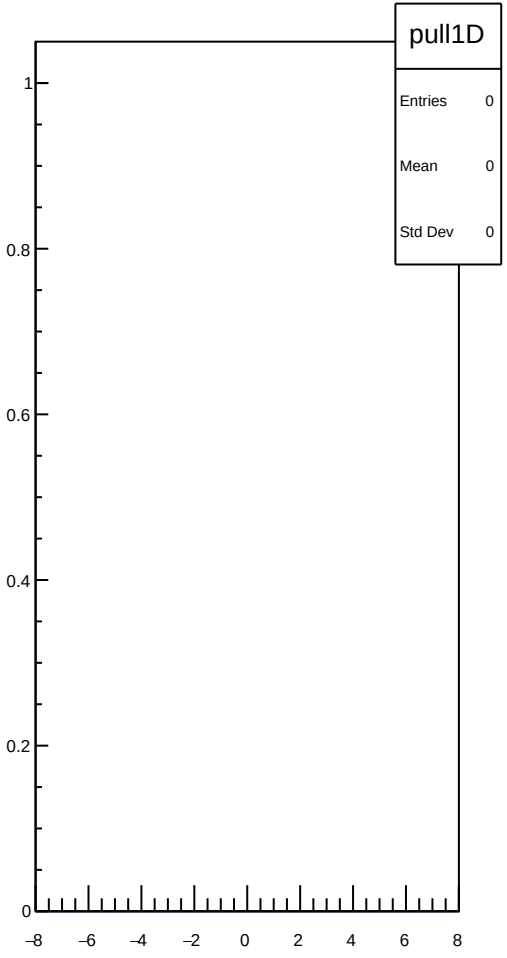
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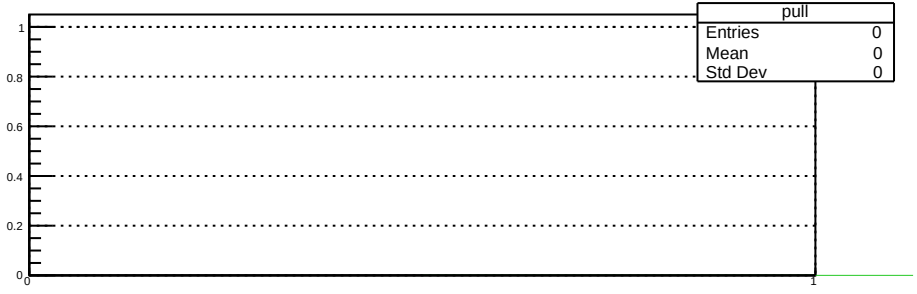
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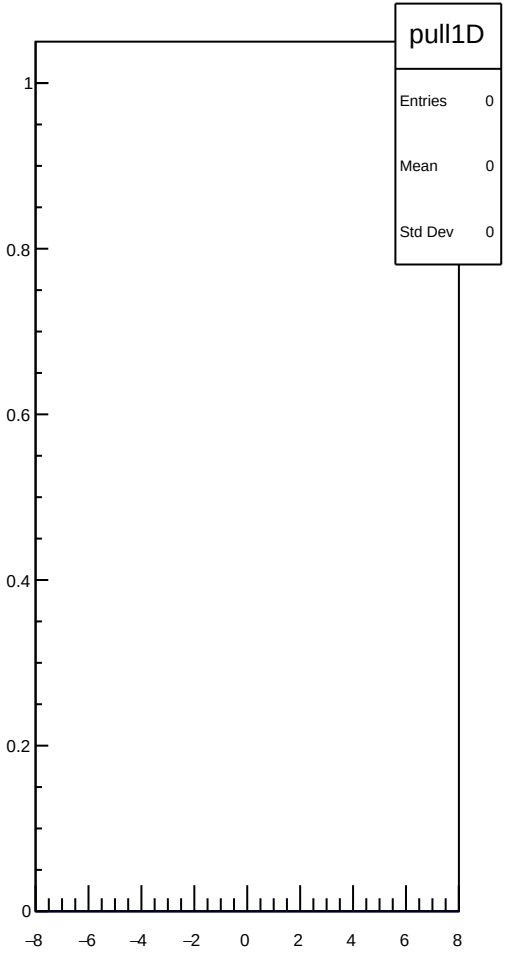
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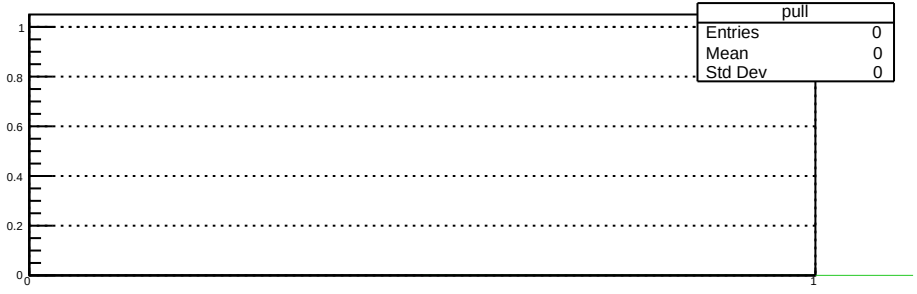
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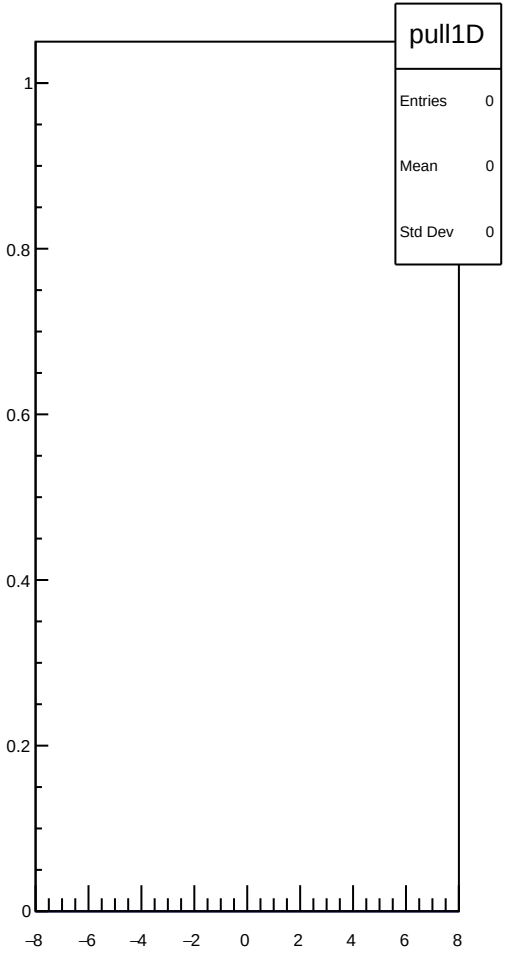
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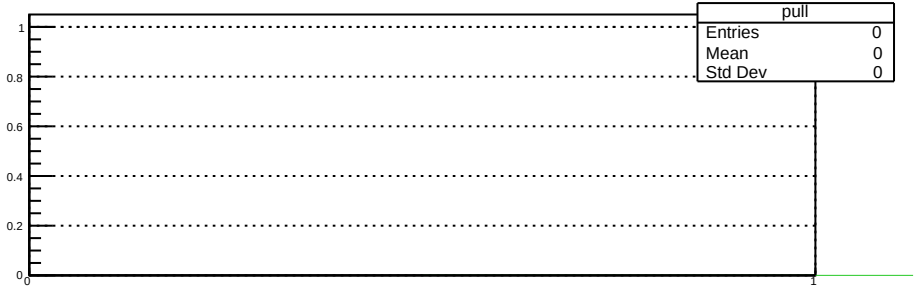
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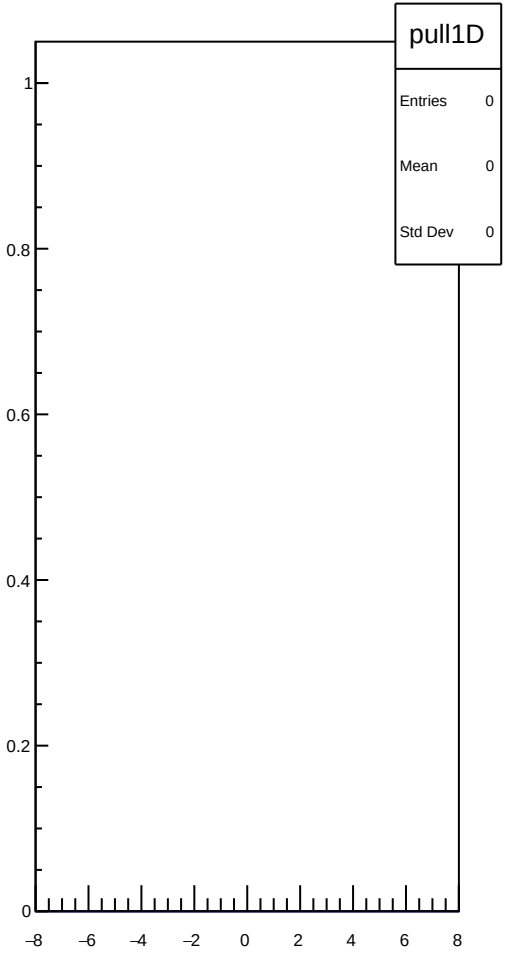
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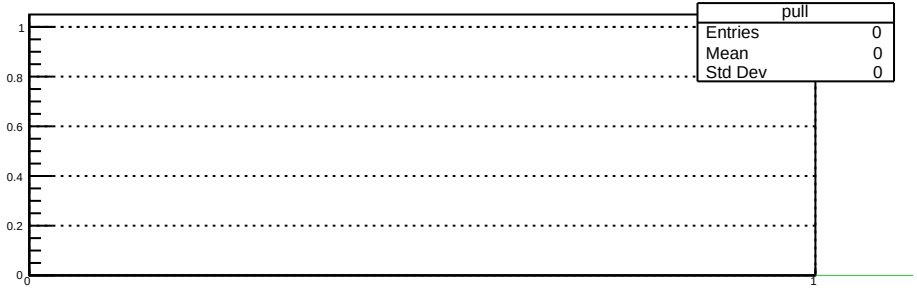
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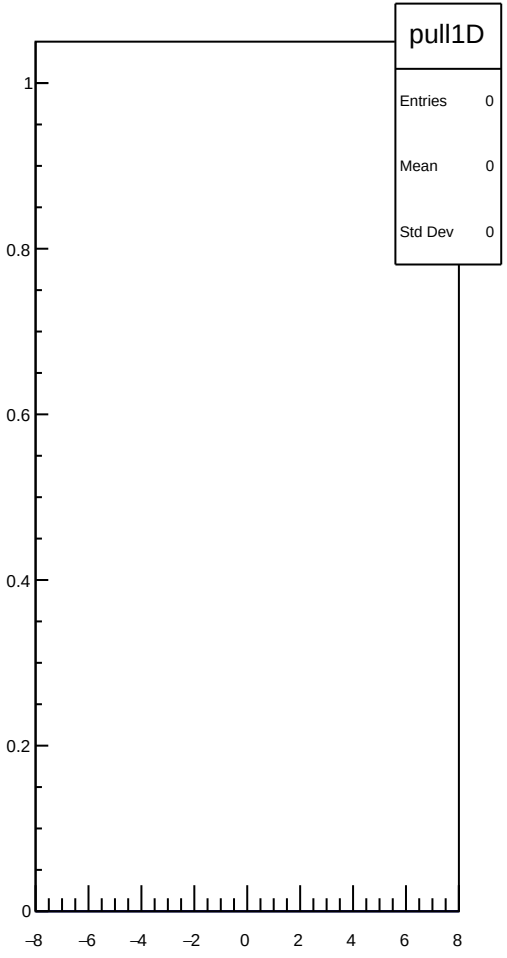
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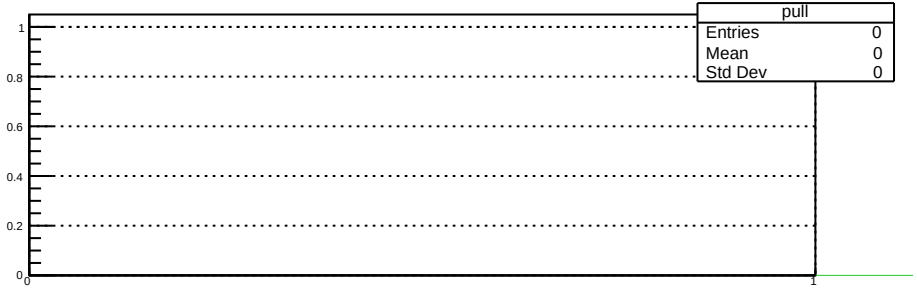
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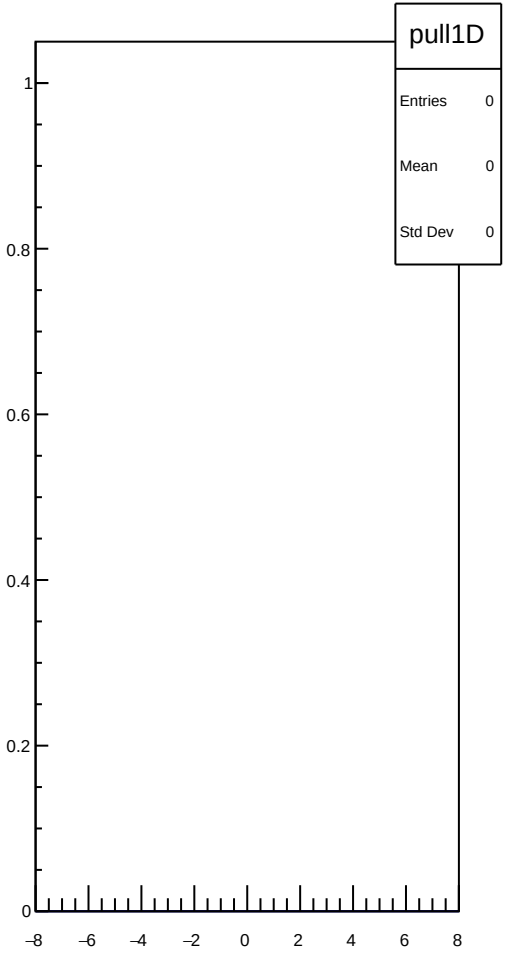
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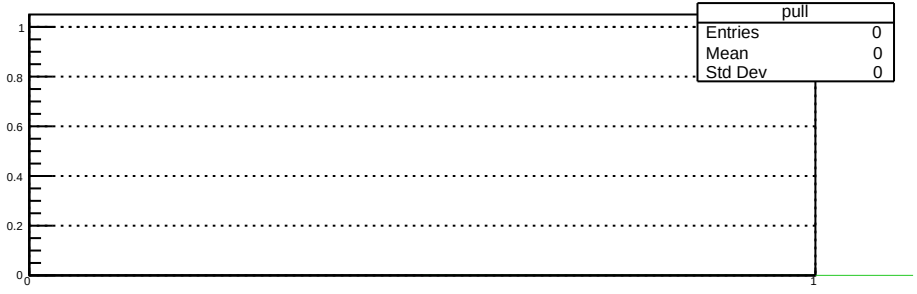
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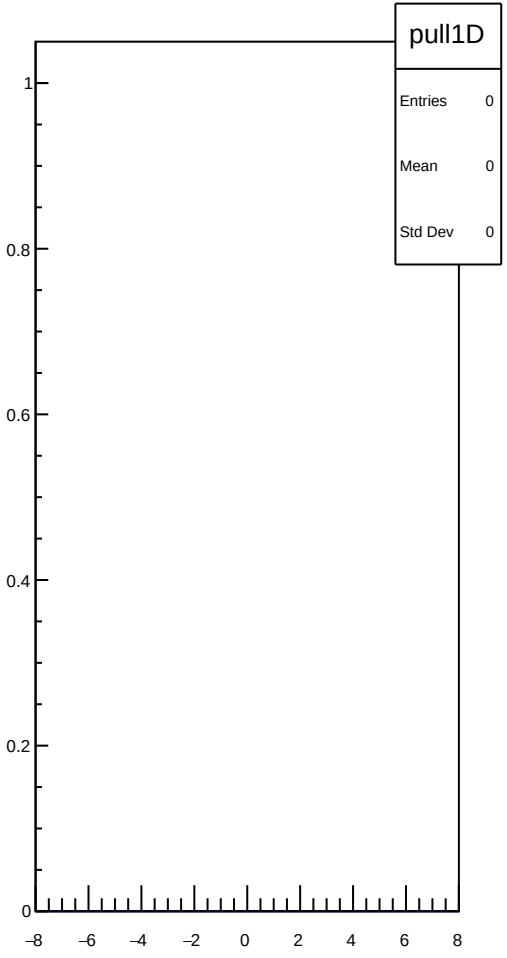
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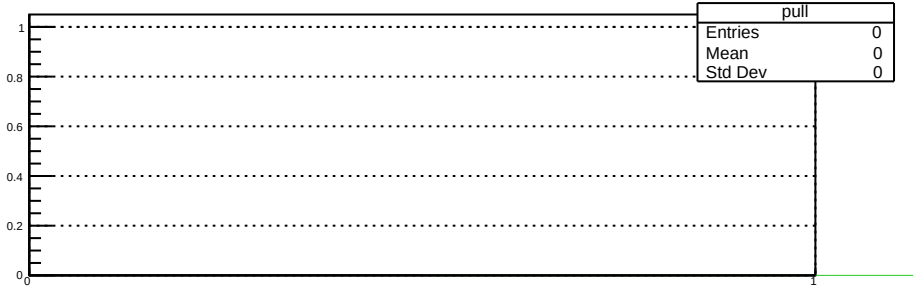
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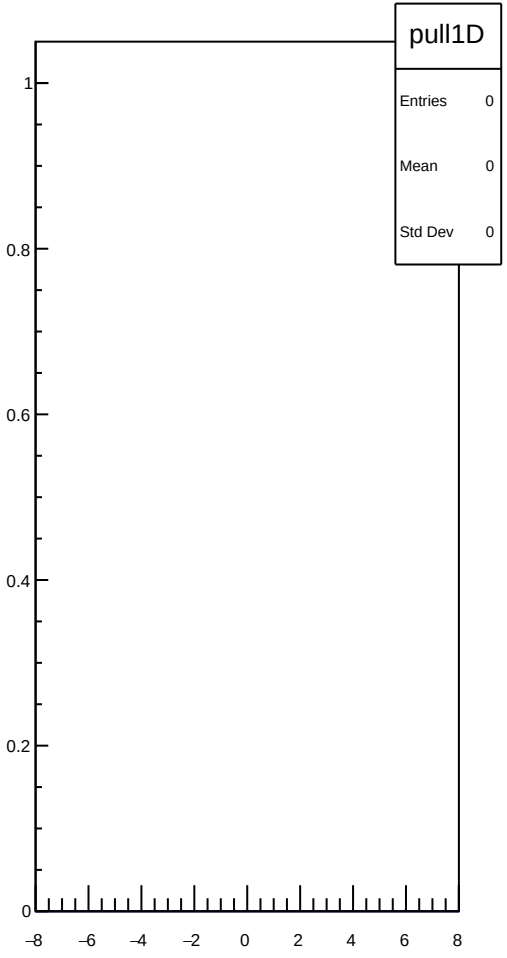
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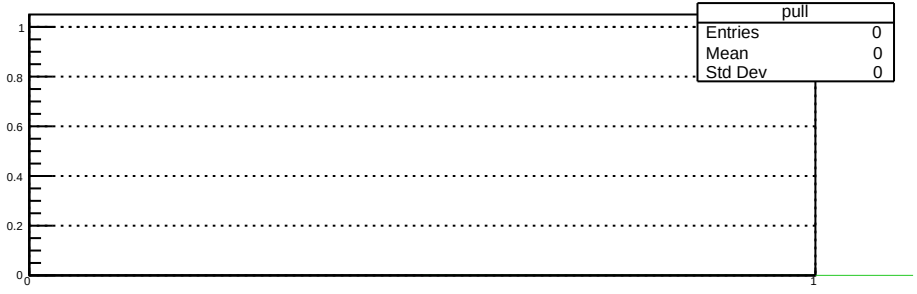
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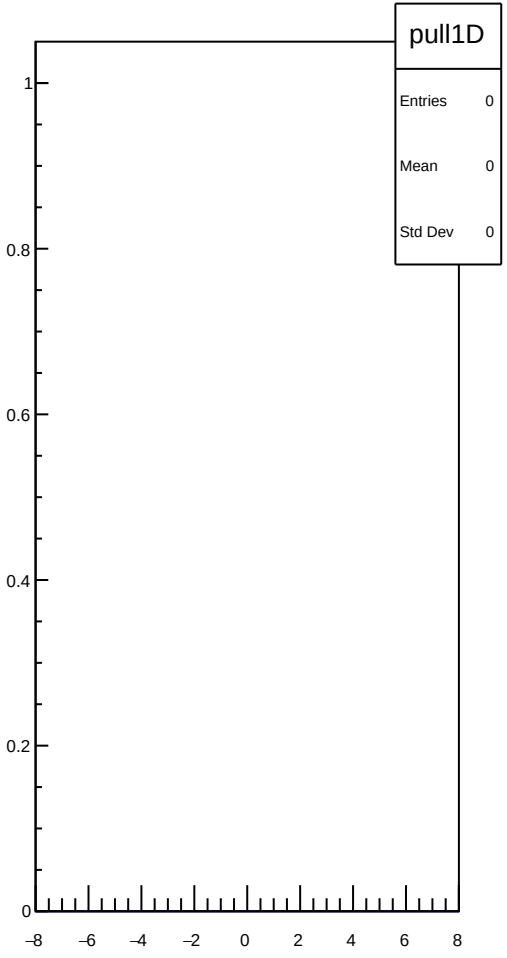
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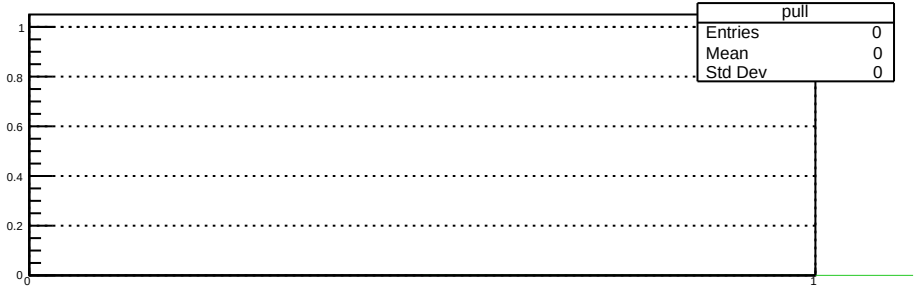
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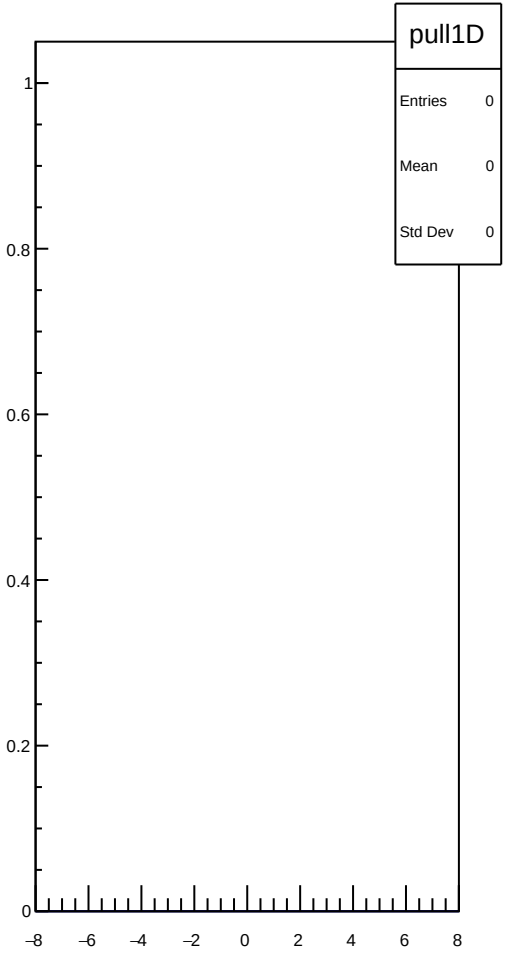
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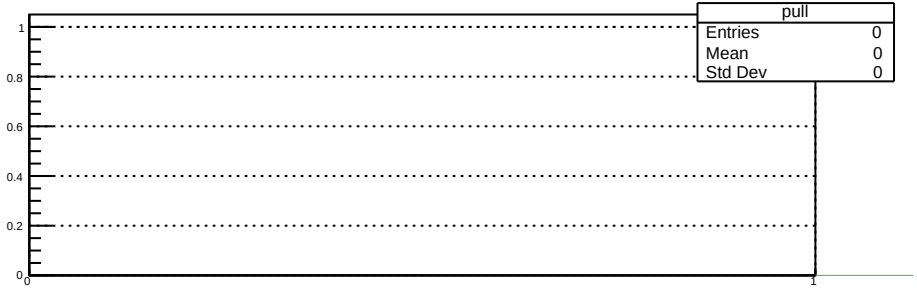
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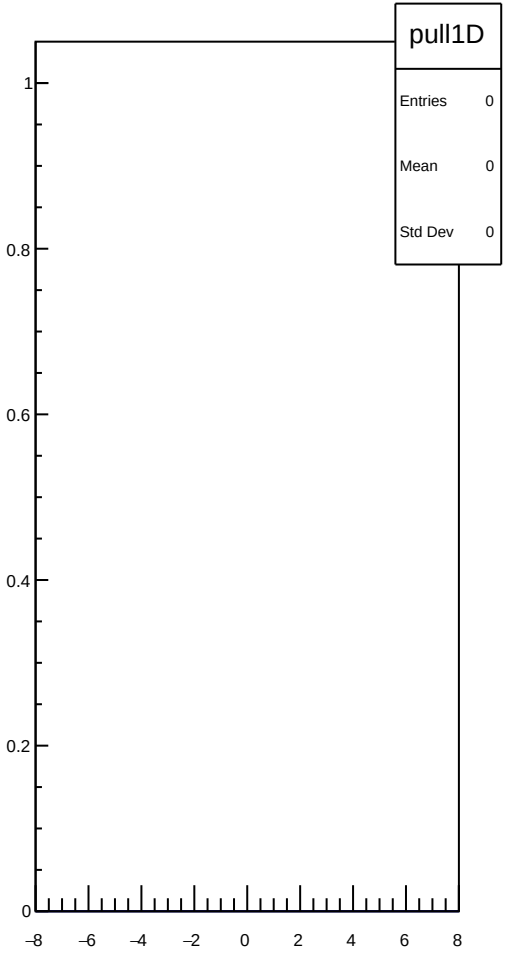
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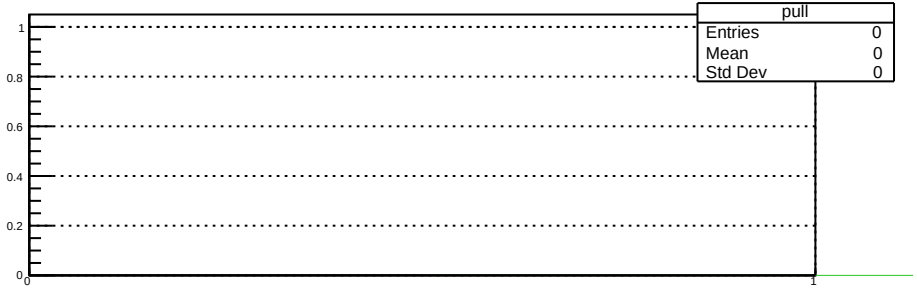
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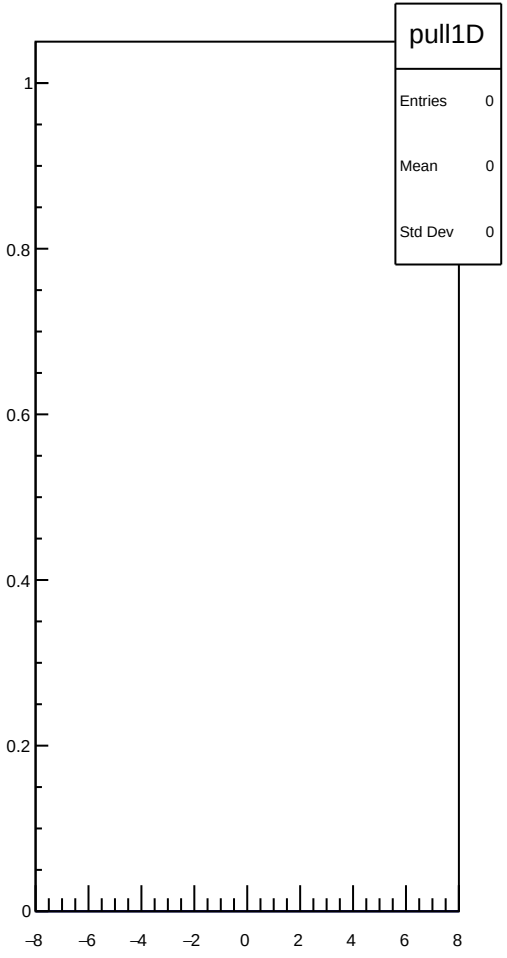
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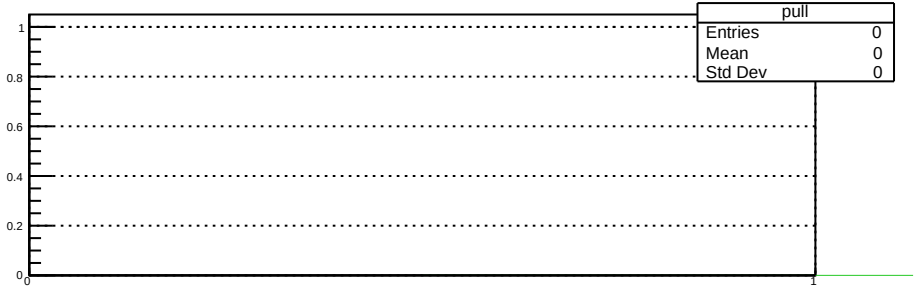
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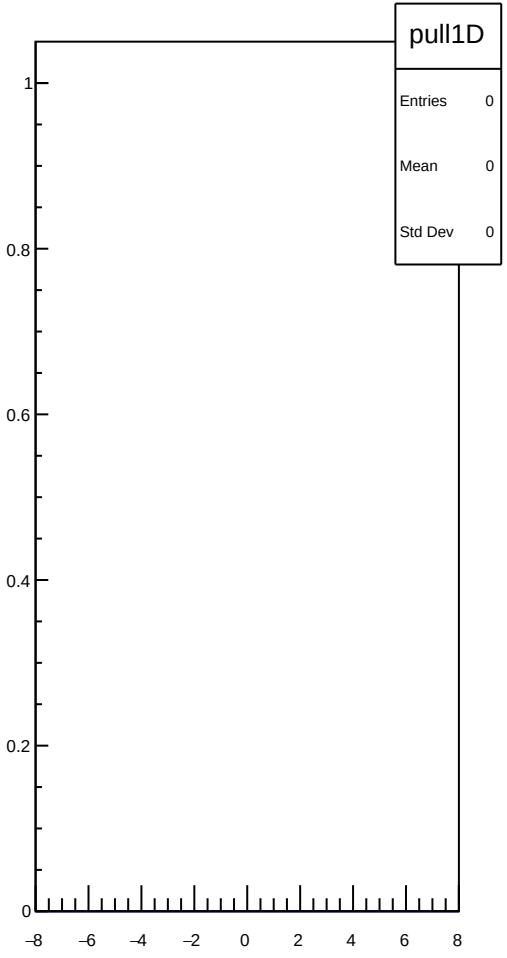
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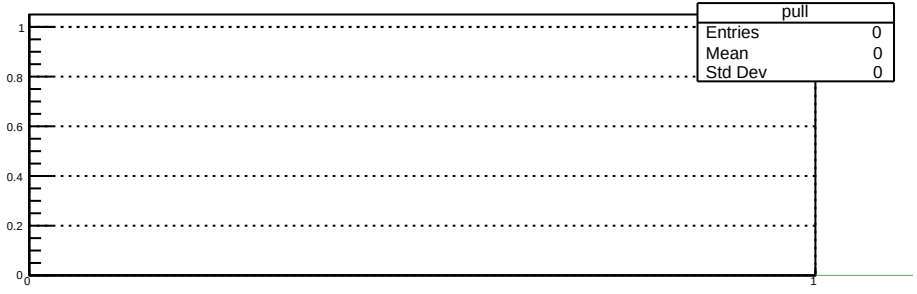
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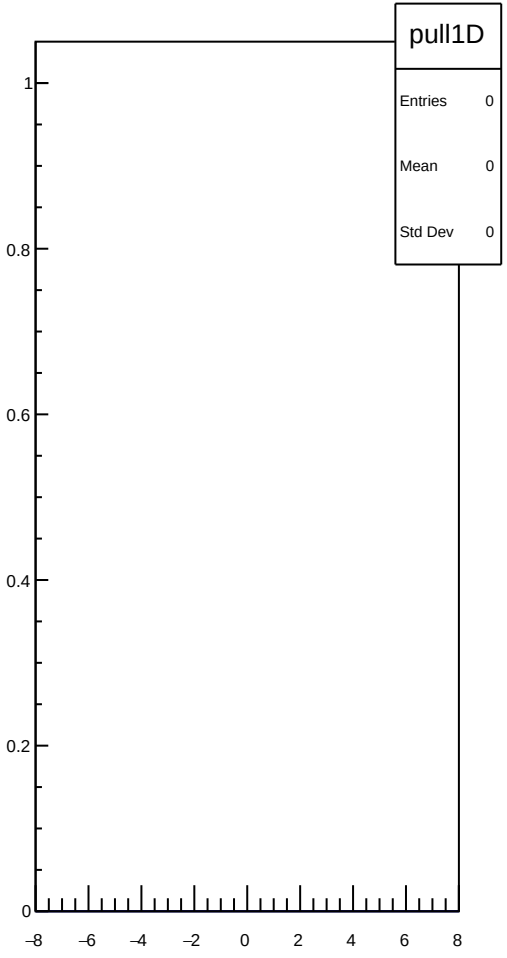
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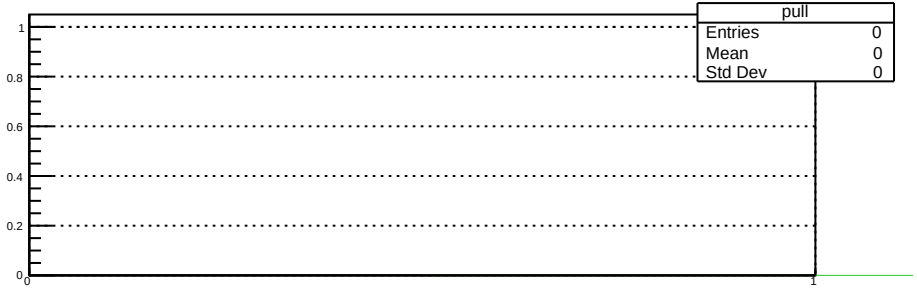
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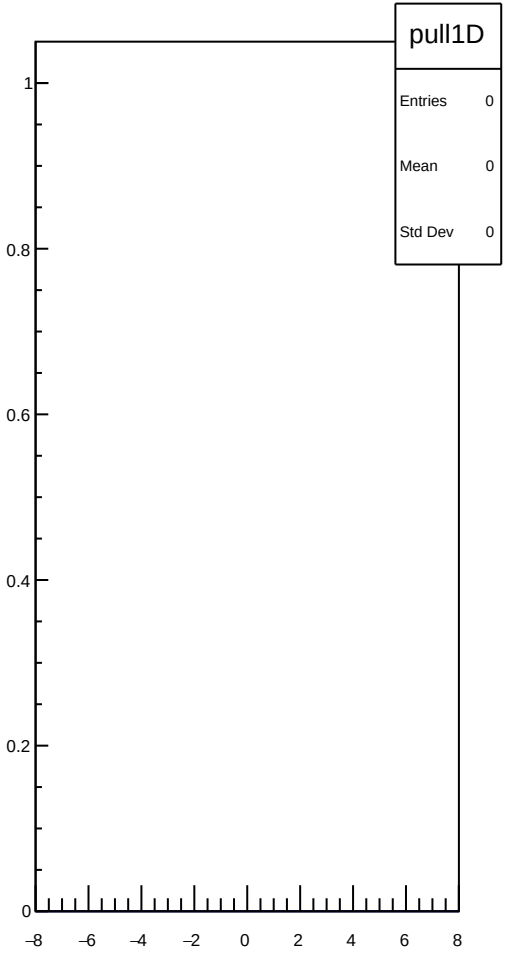
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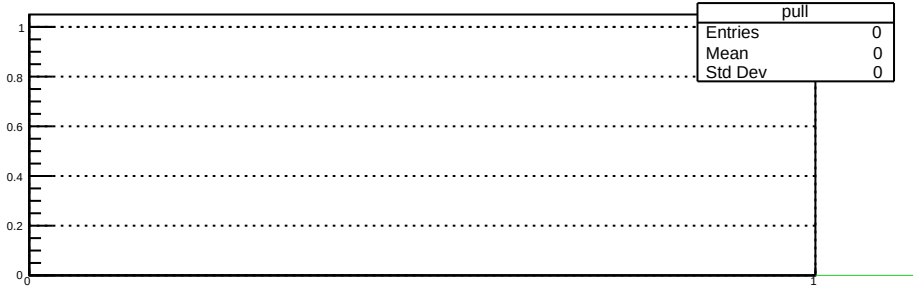
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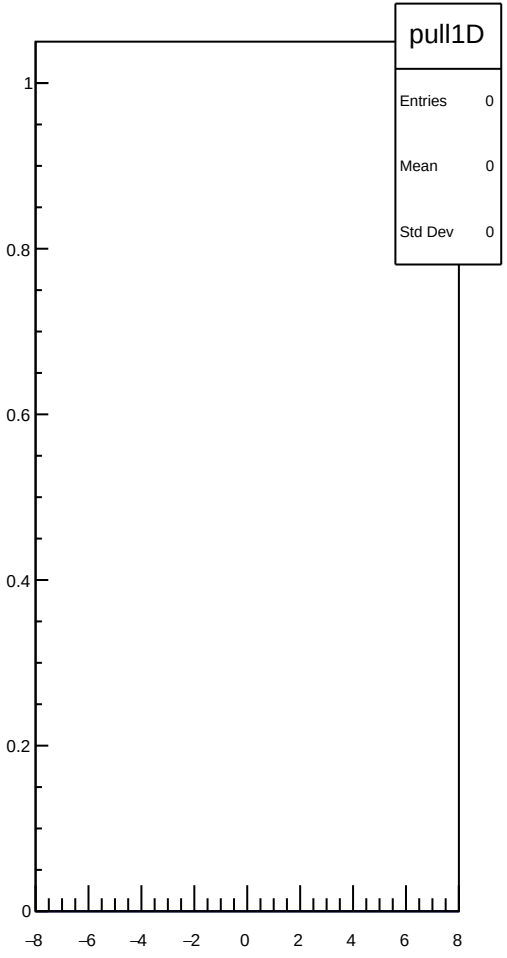
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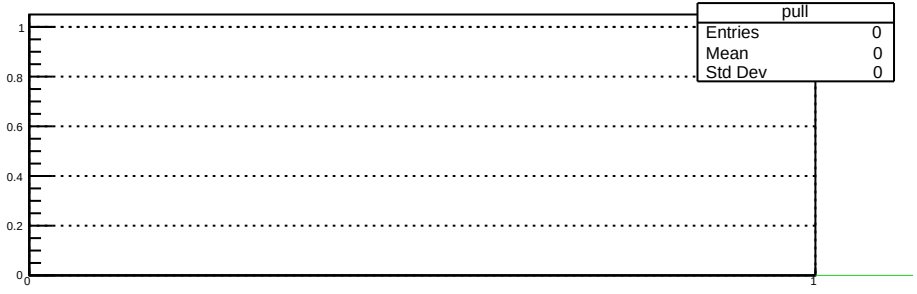
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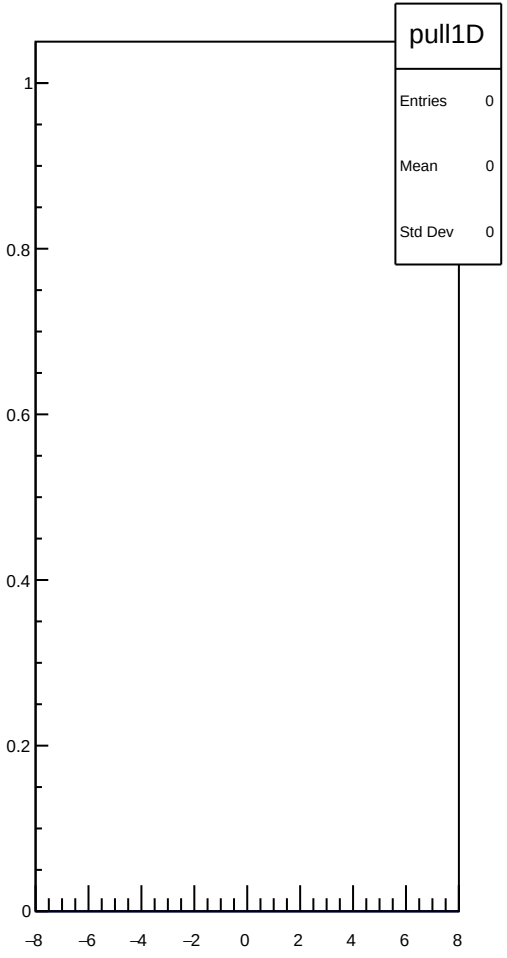
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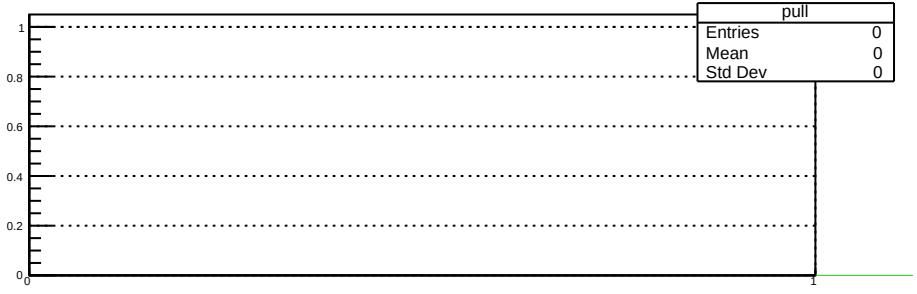
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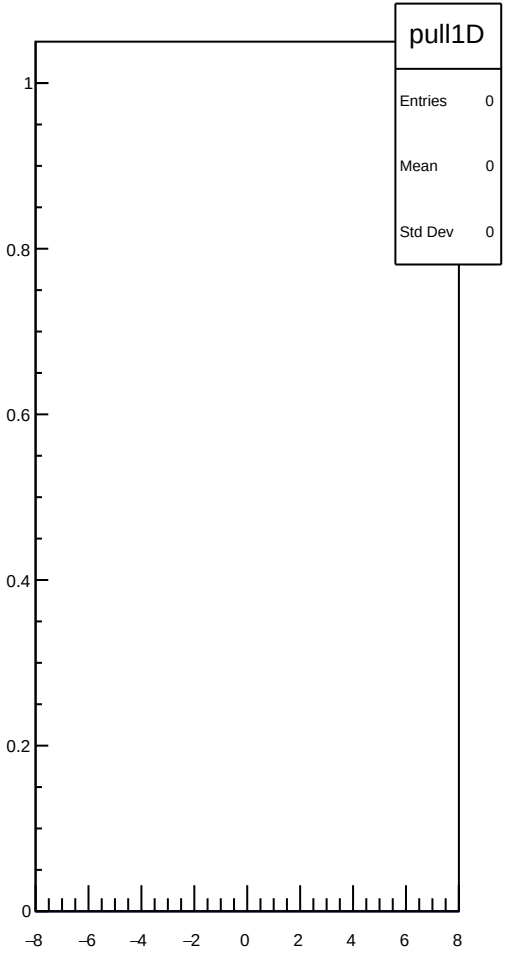
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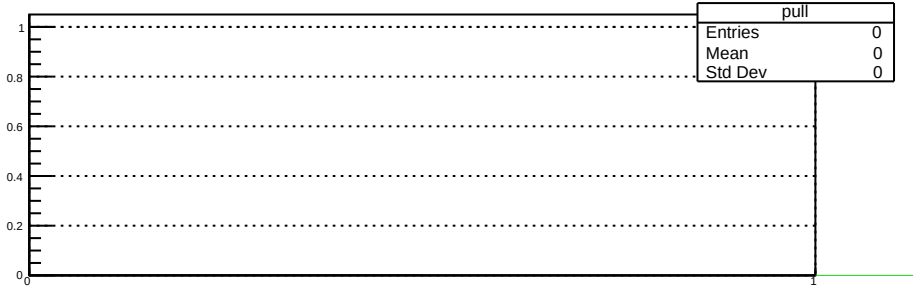
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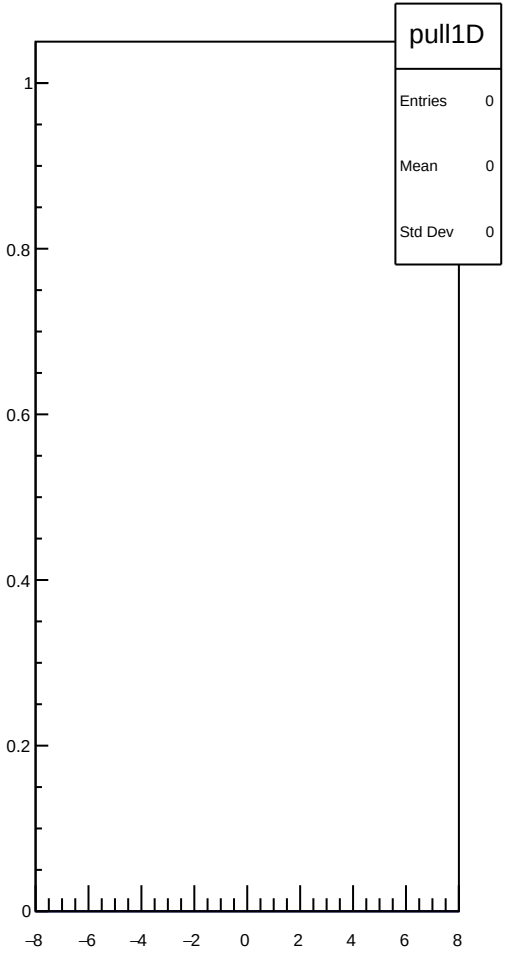
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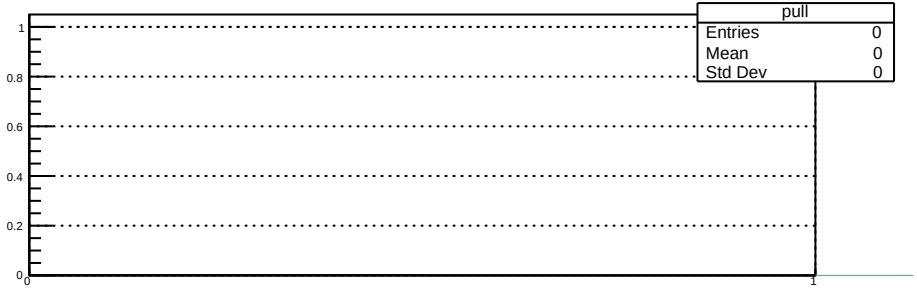
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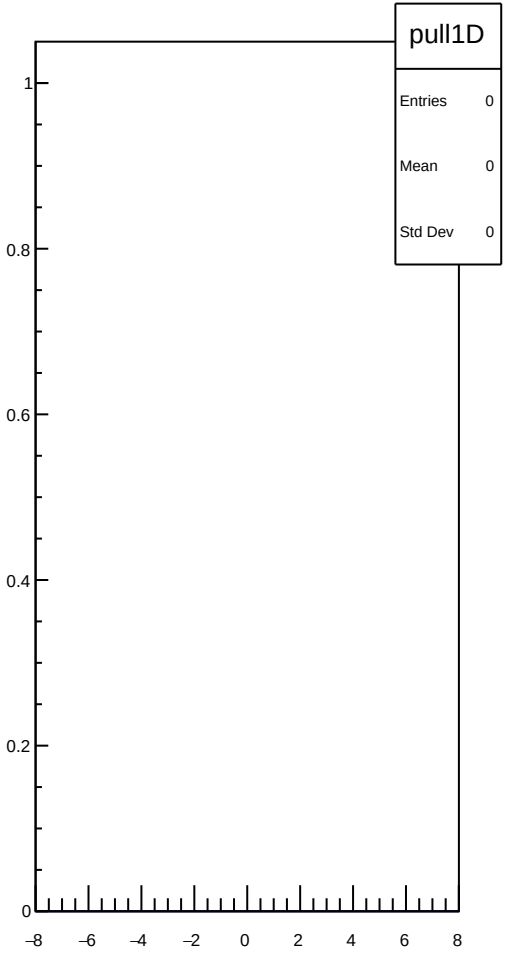
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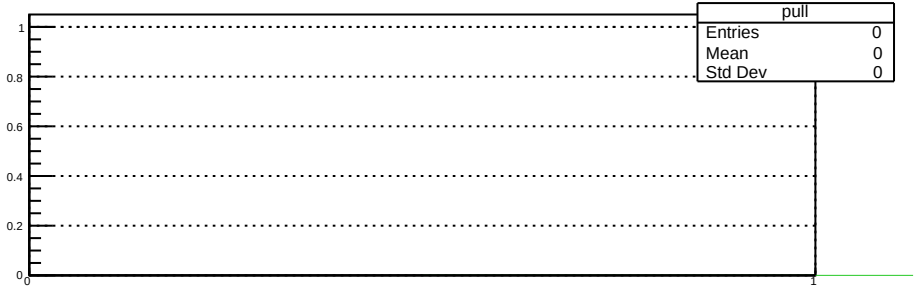
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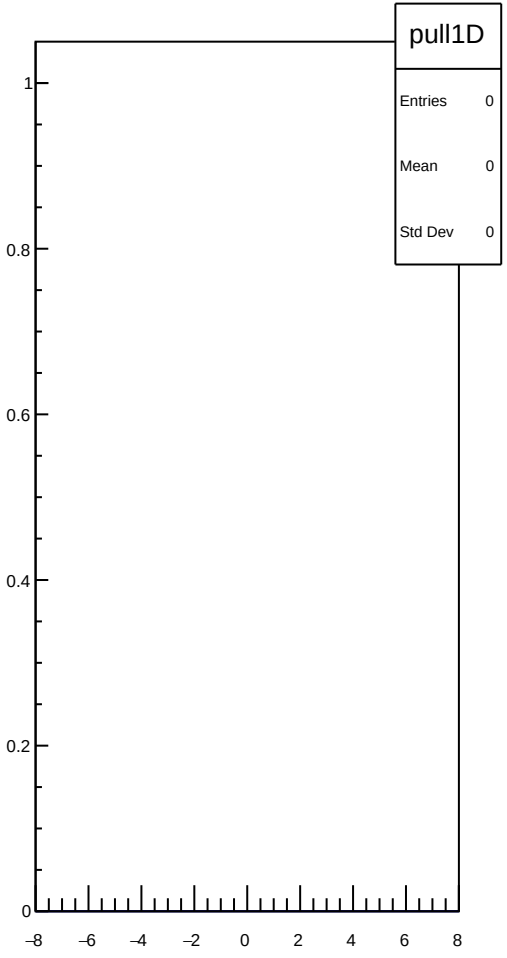
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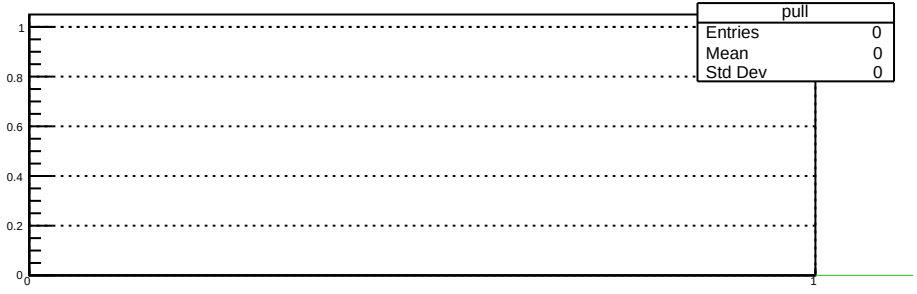
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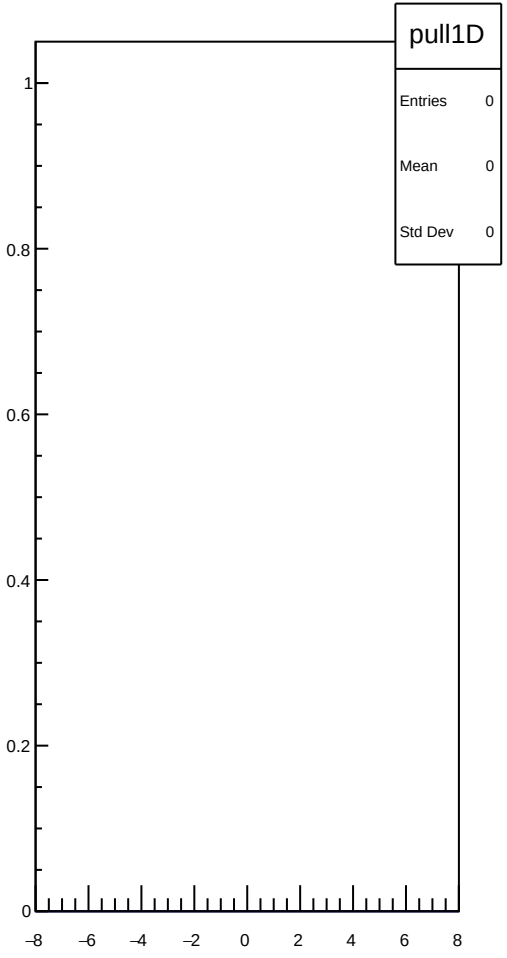
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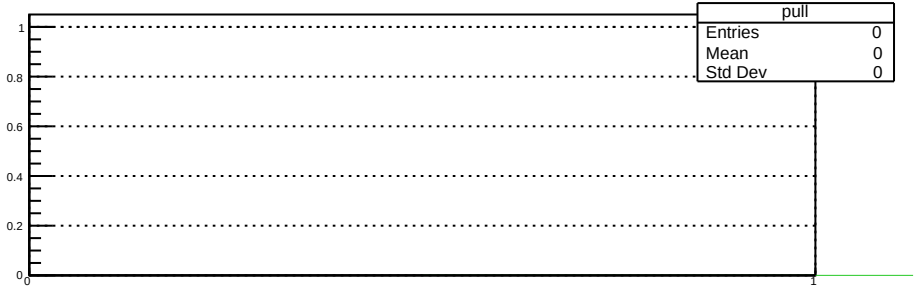
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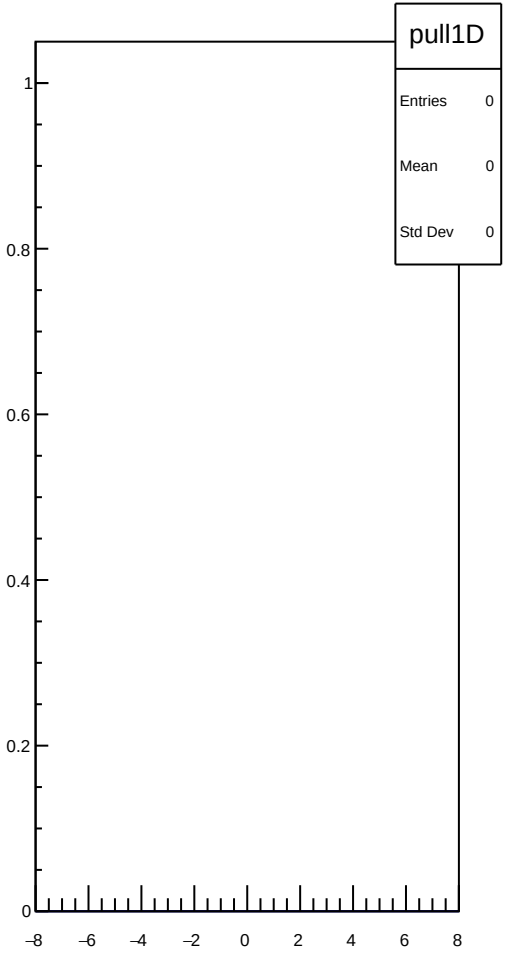
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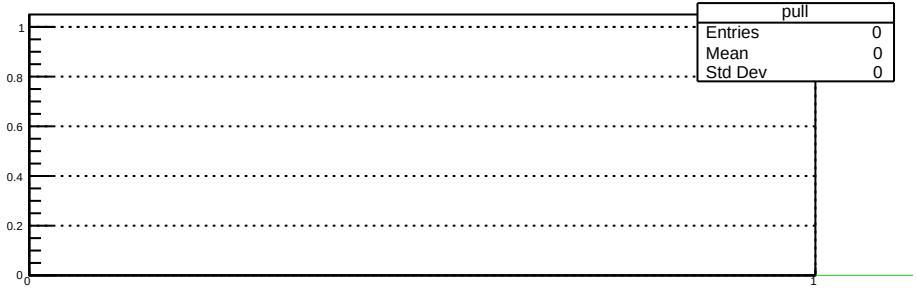
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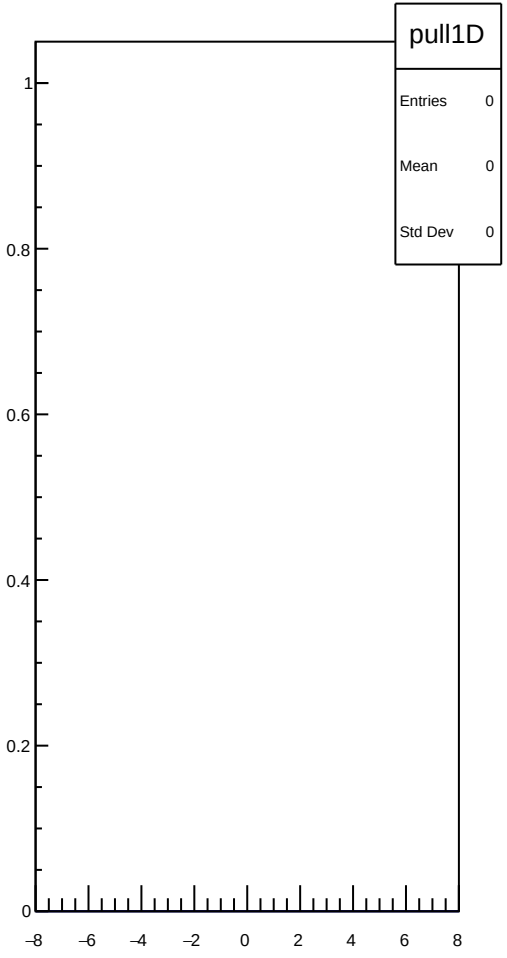
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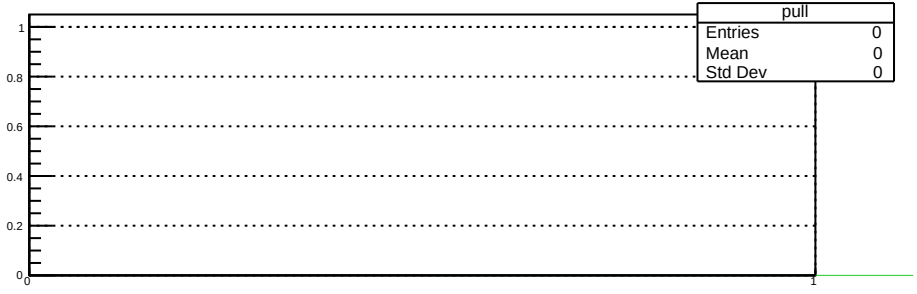
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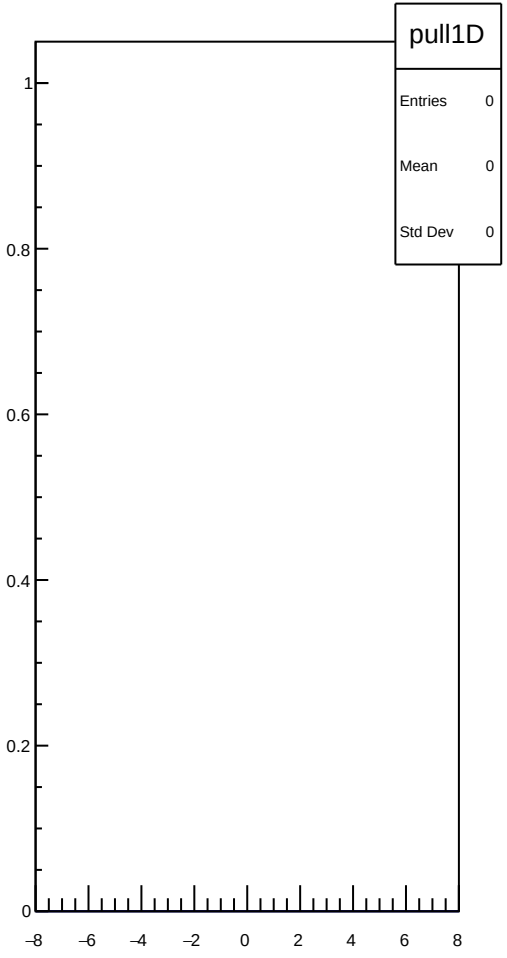
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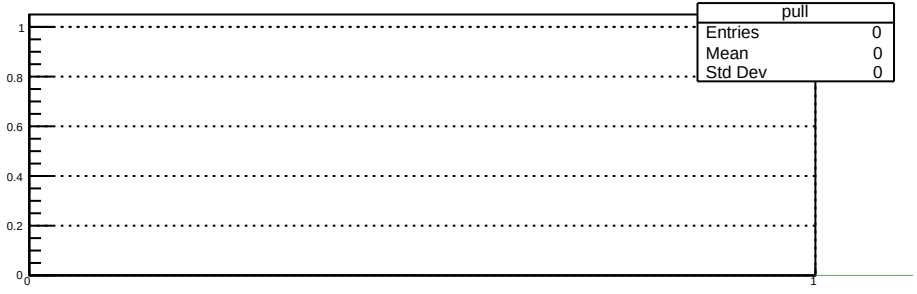
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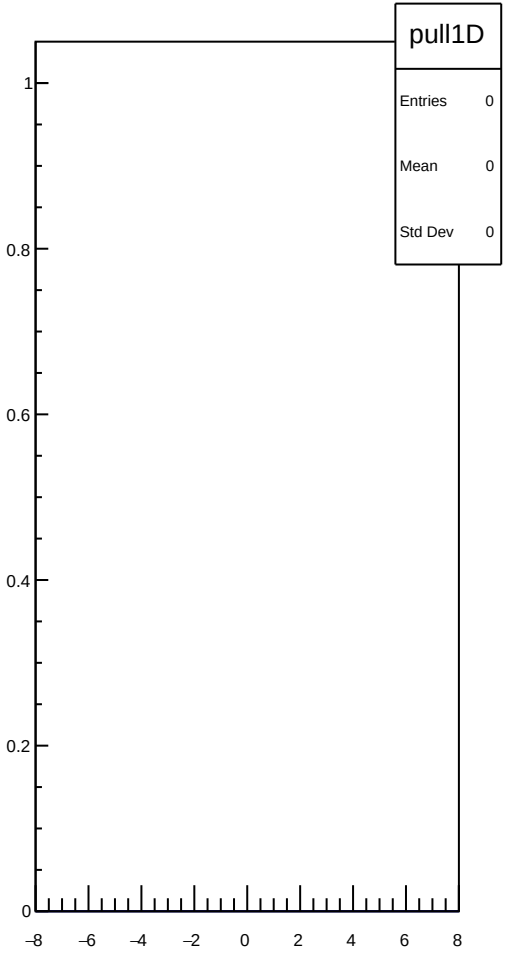
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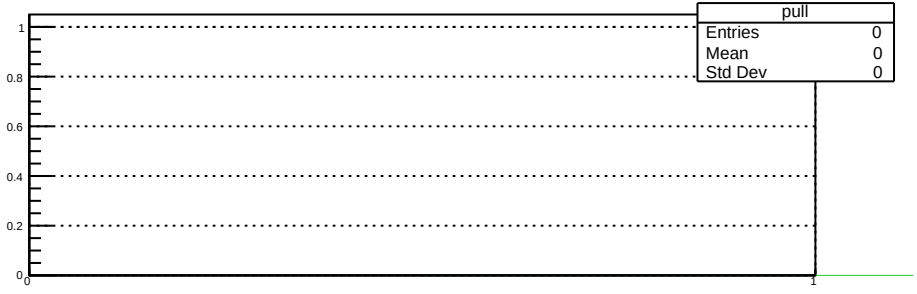
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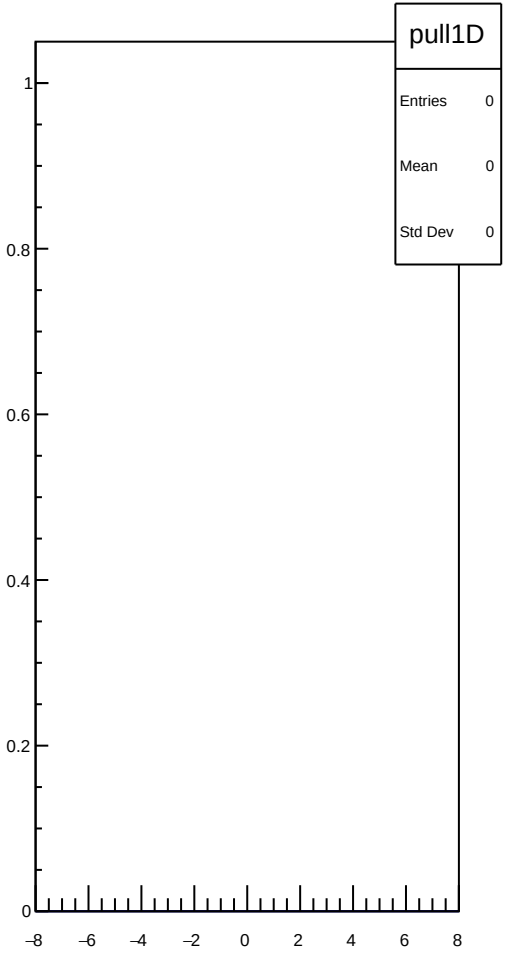
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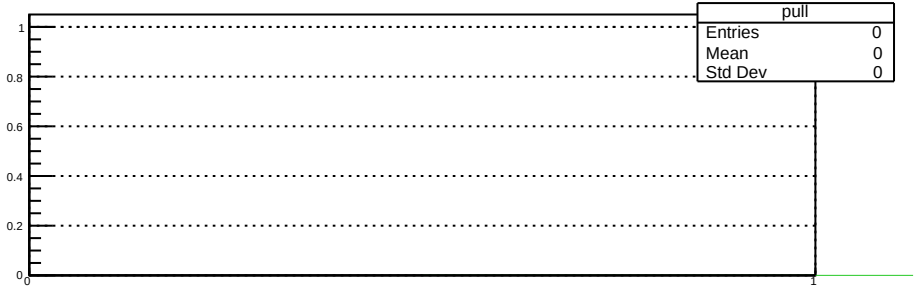
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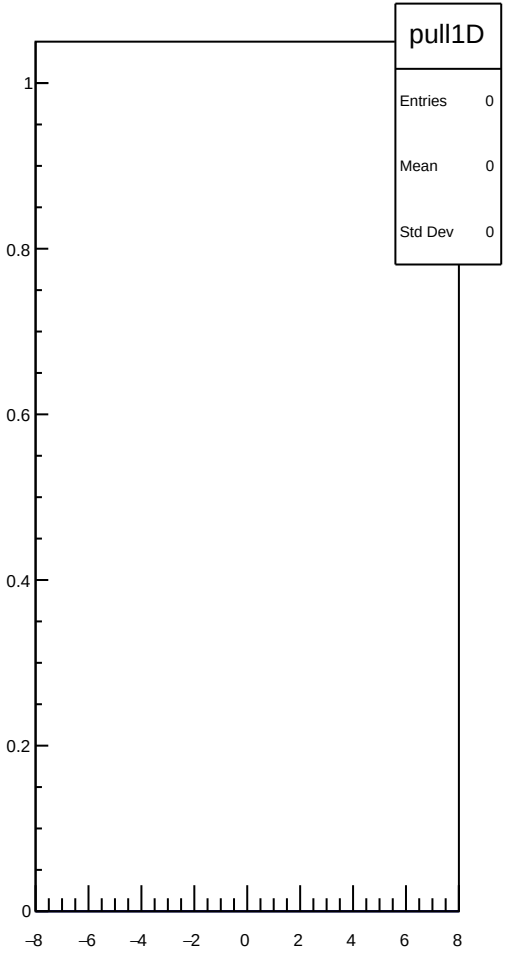
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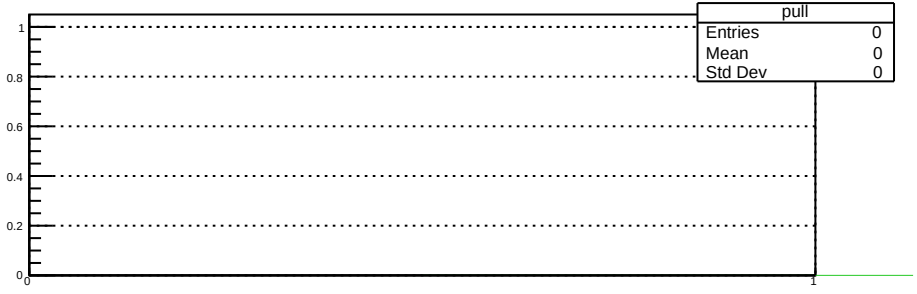
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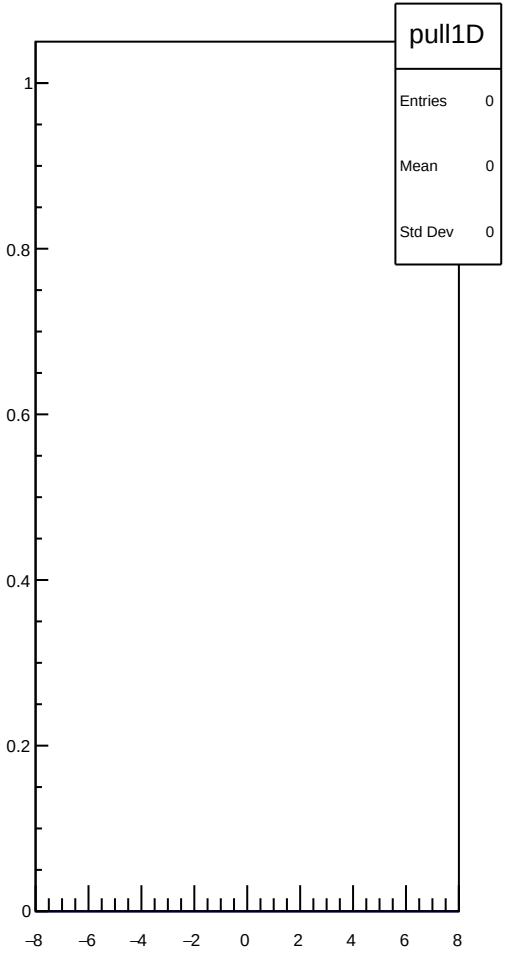
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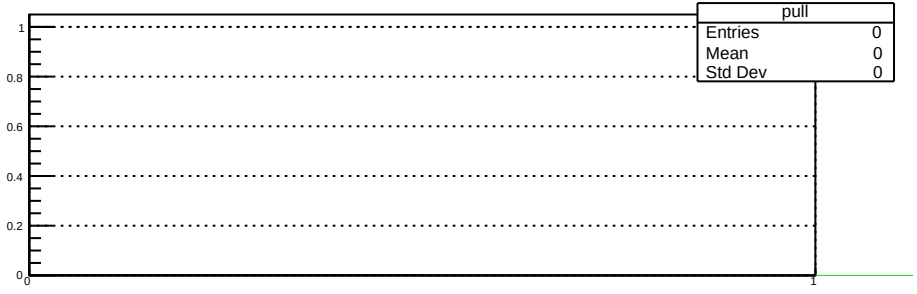
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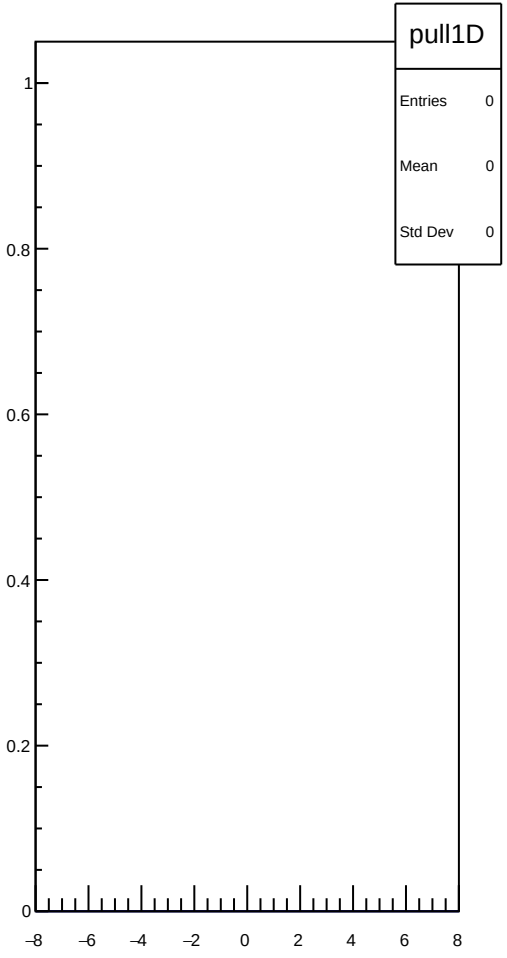
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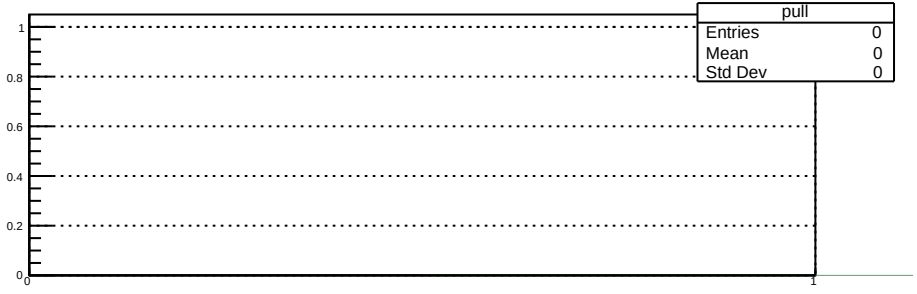
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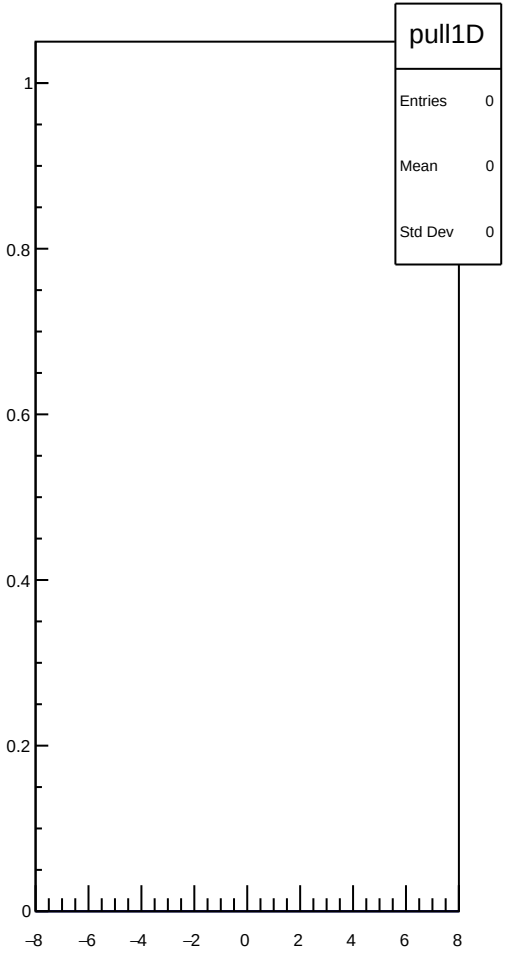
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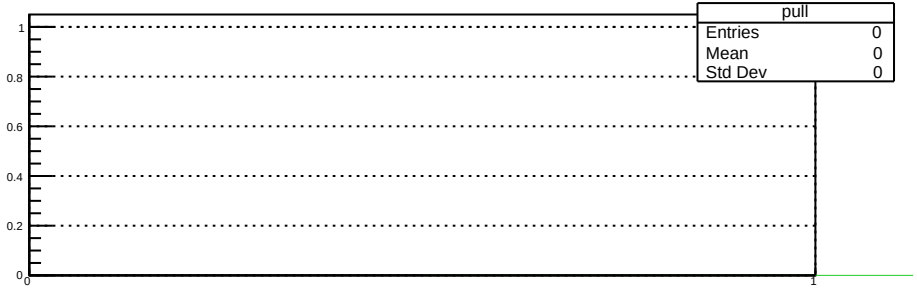
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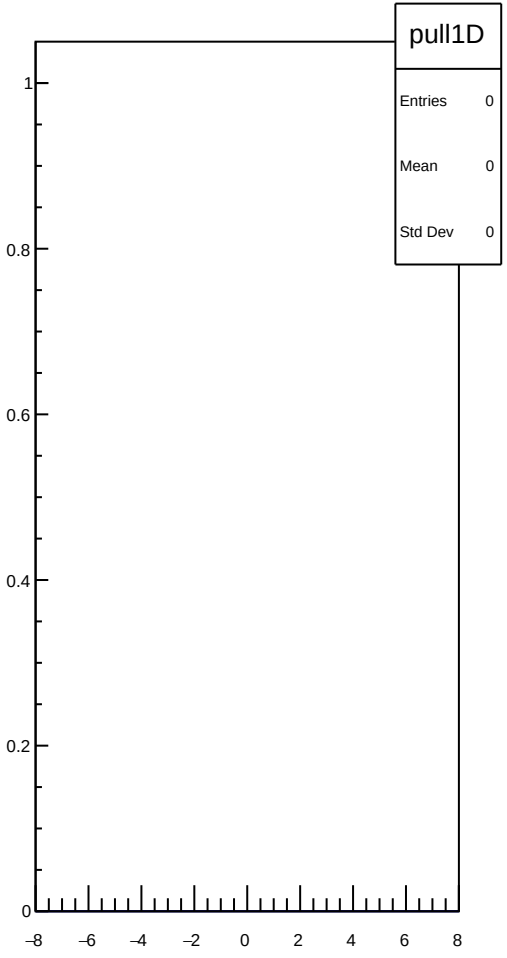
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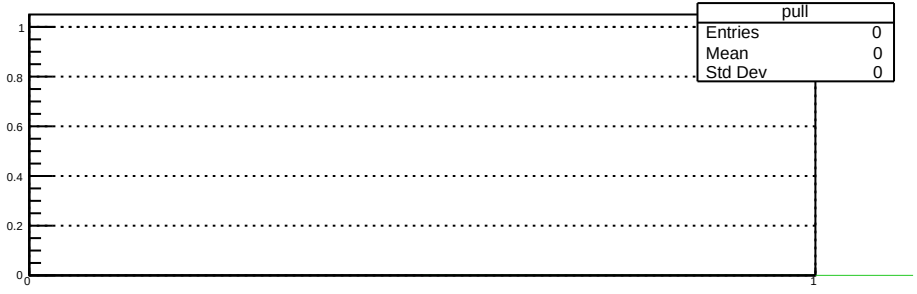
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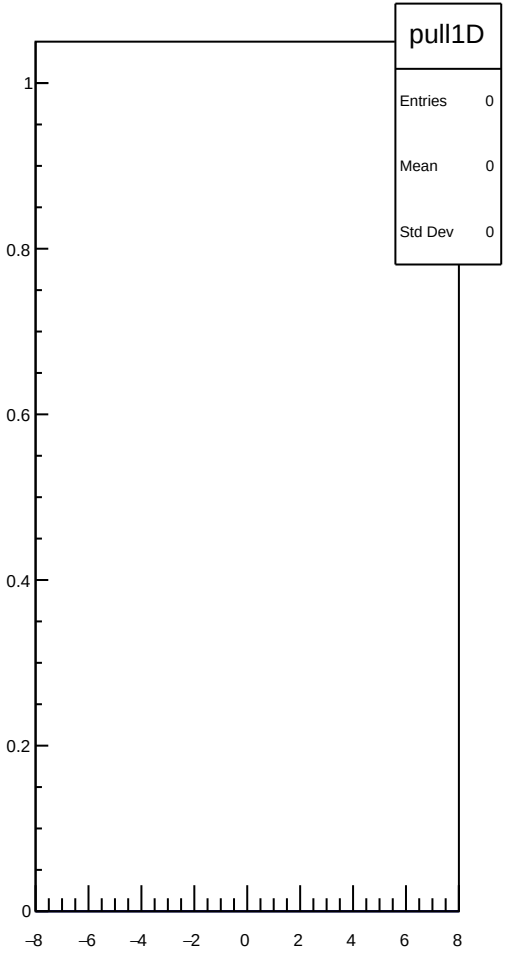
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Std Dev 0
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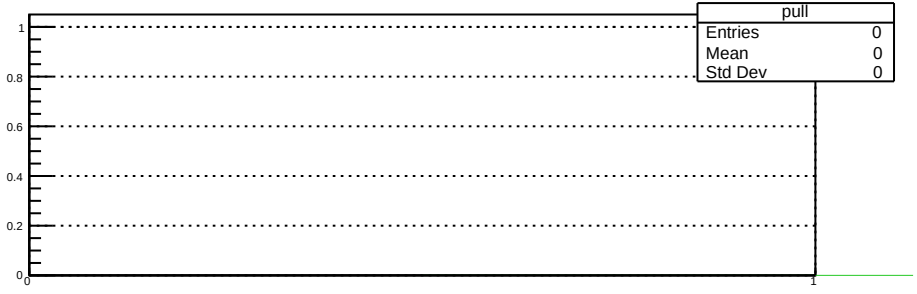
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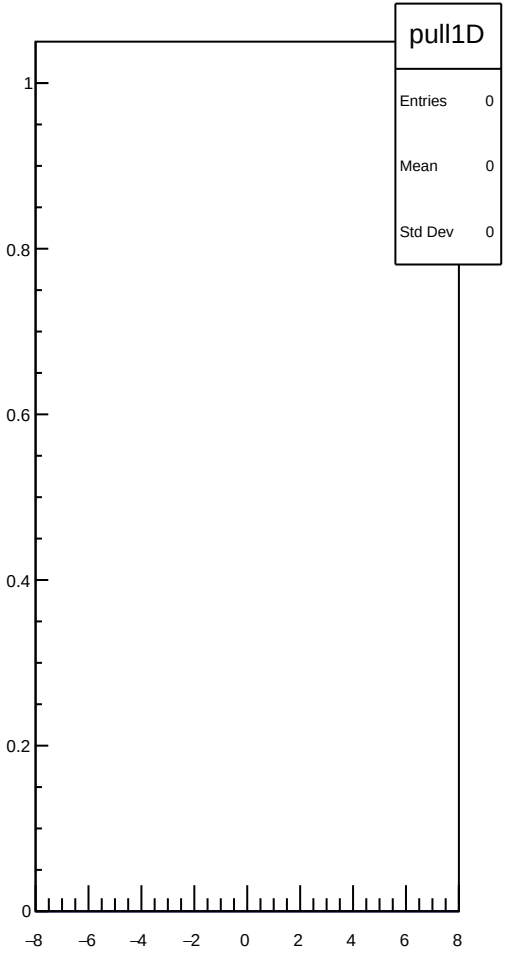
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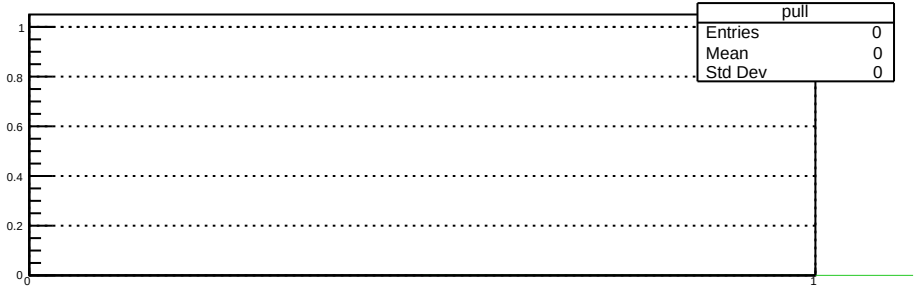
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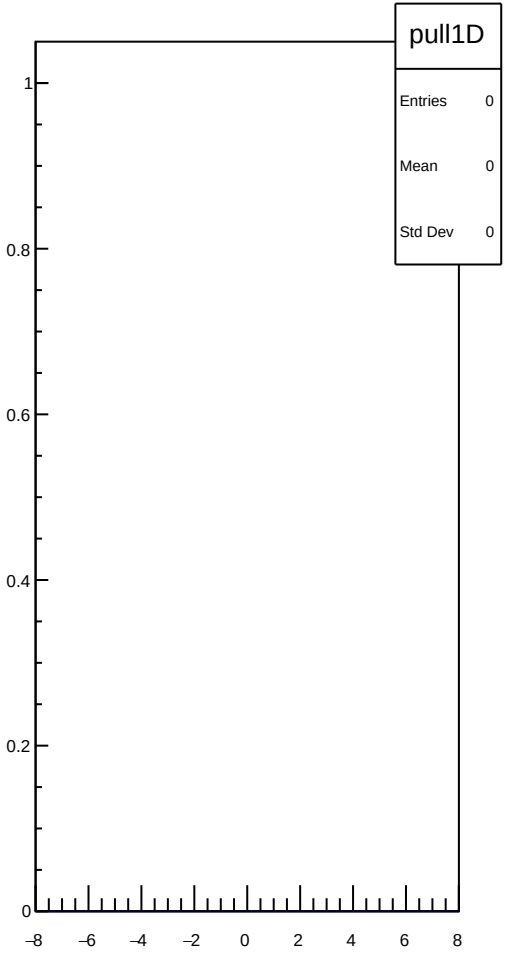
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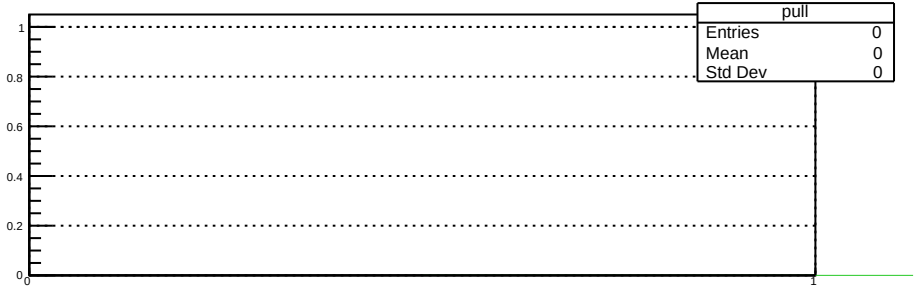
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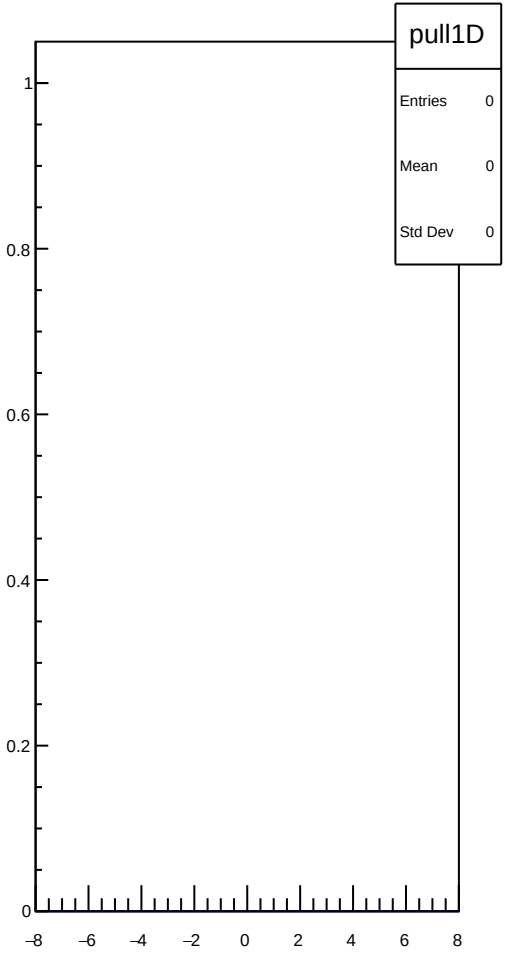
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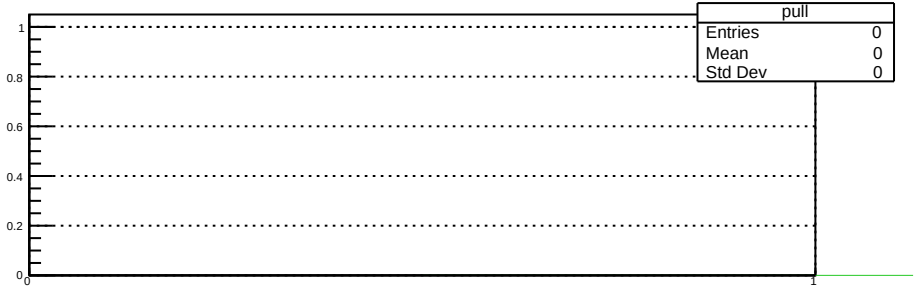
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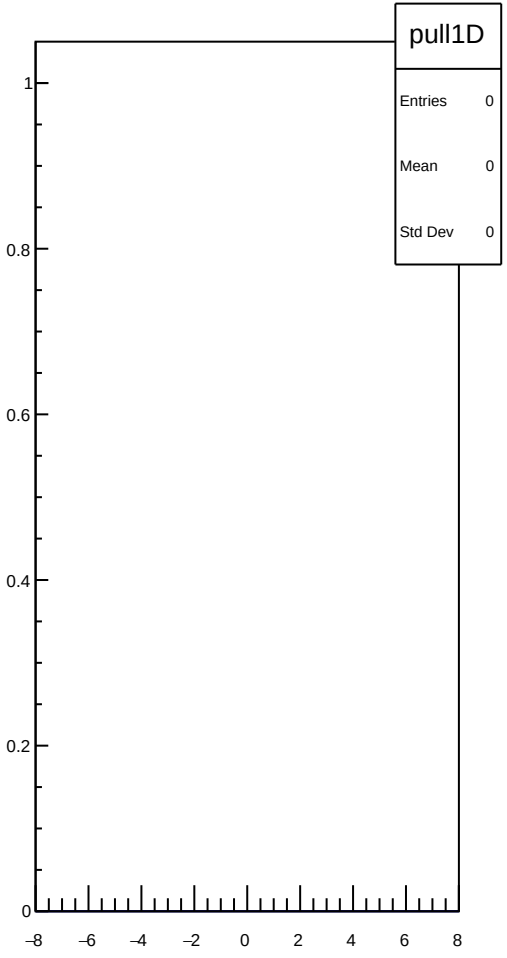
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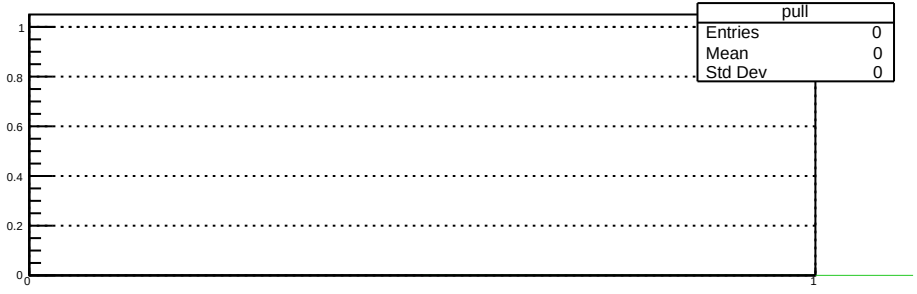
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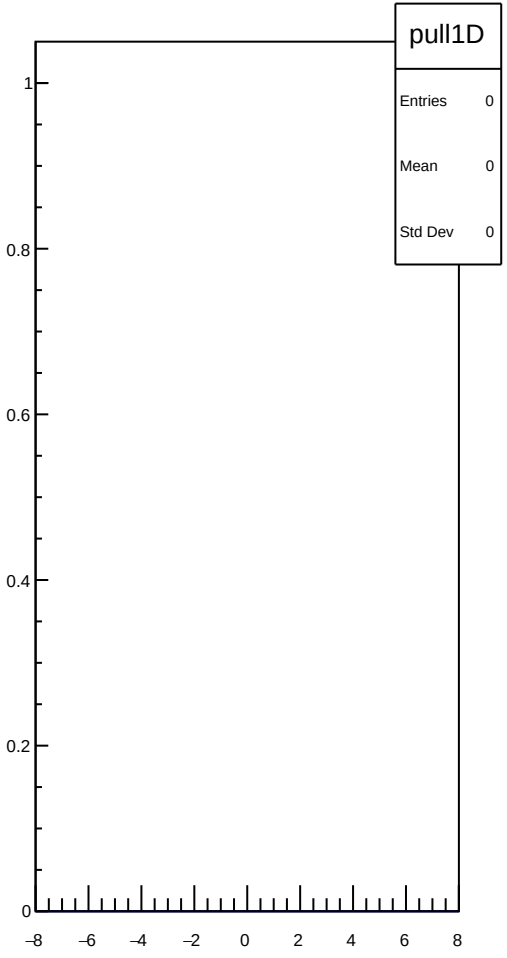
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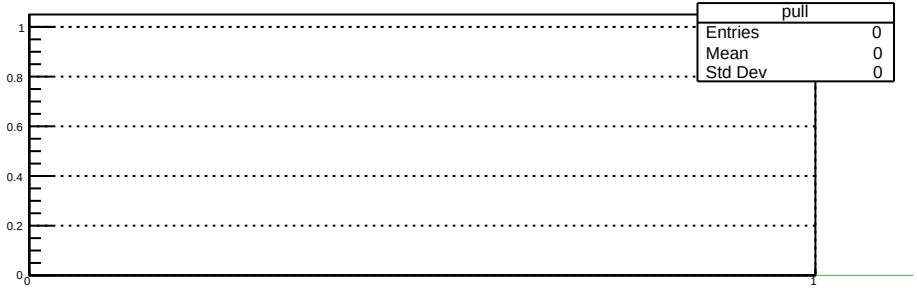
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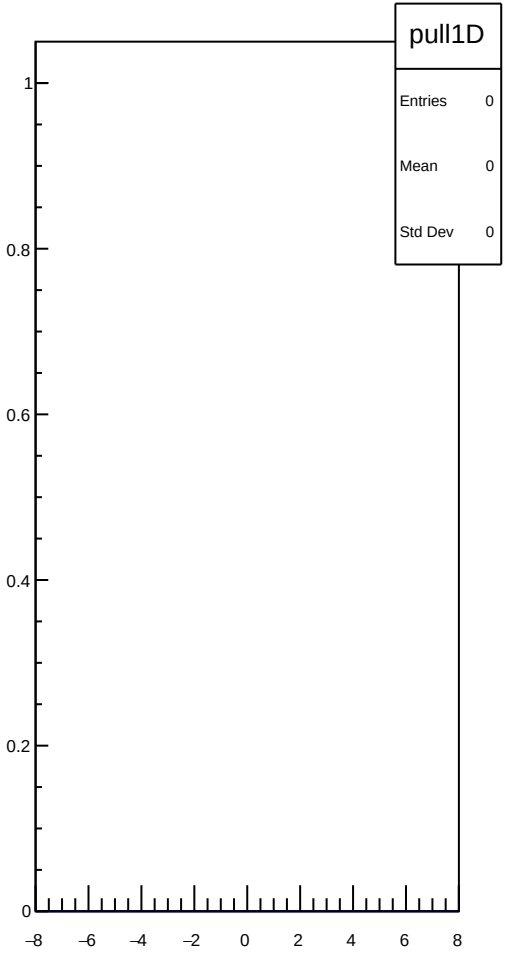
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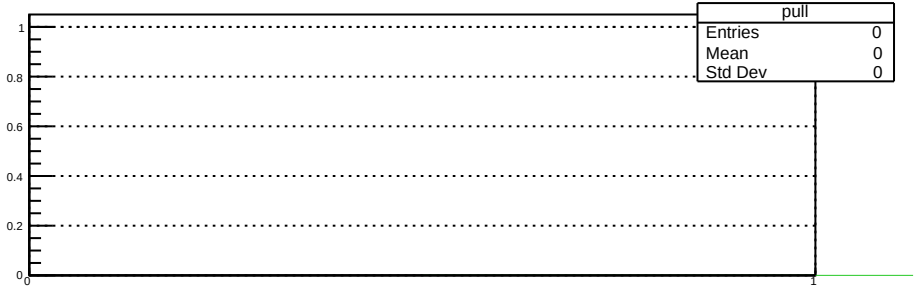
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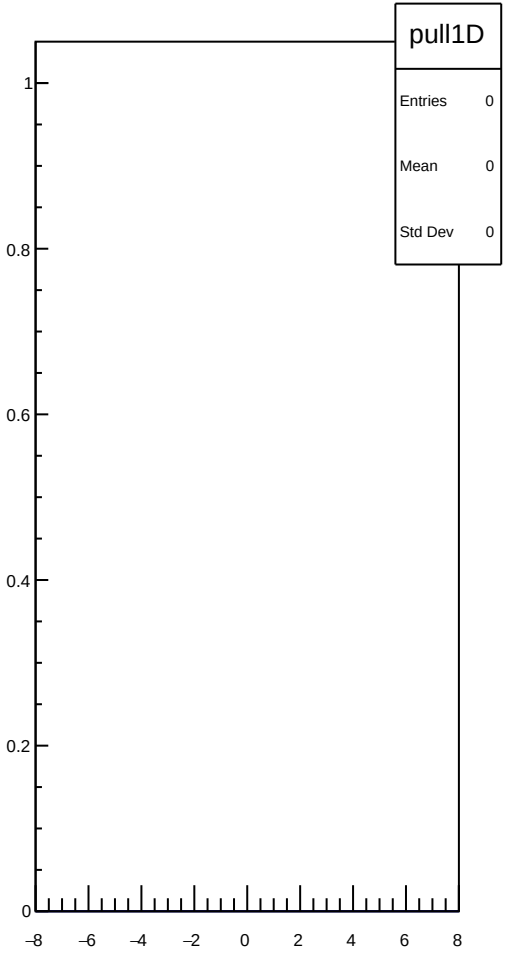
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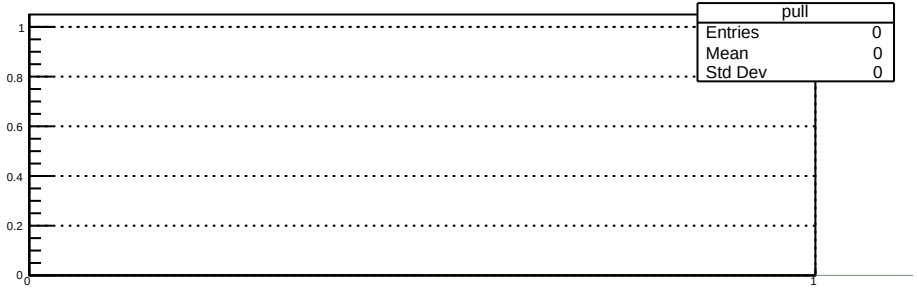
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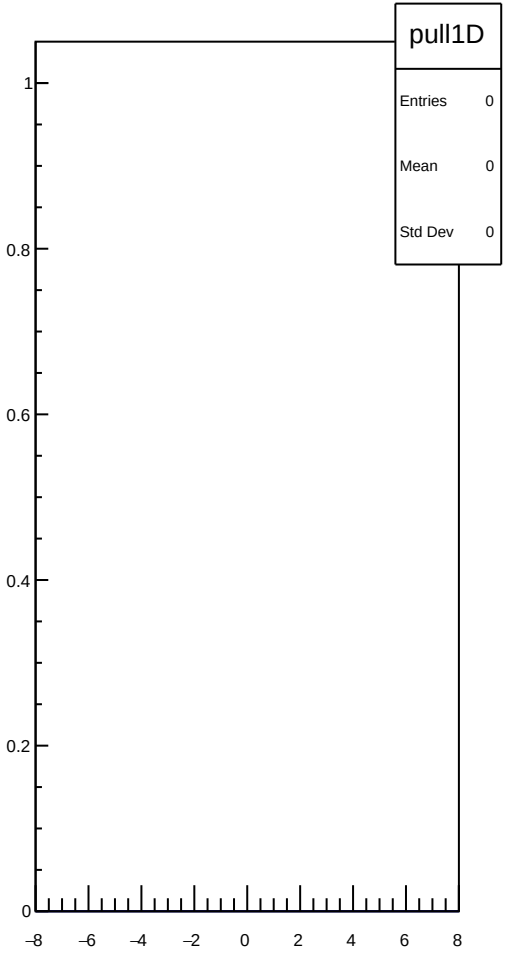
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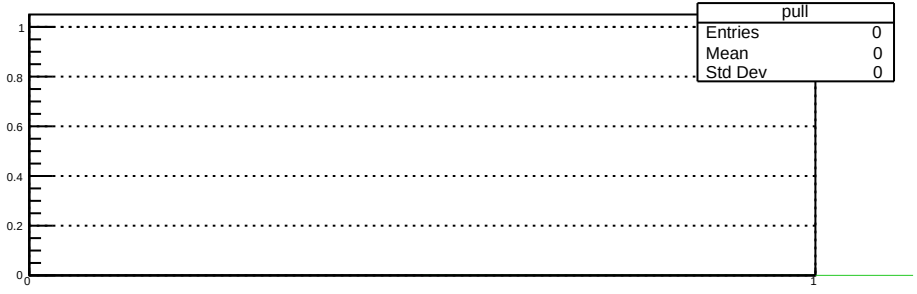
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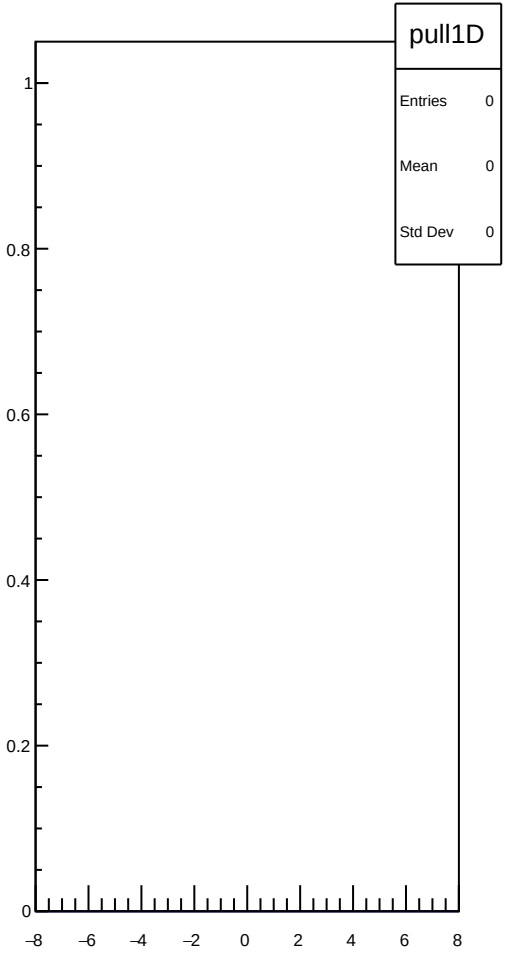
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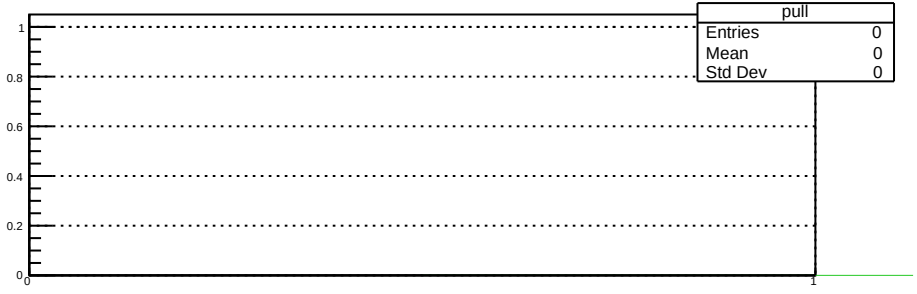
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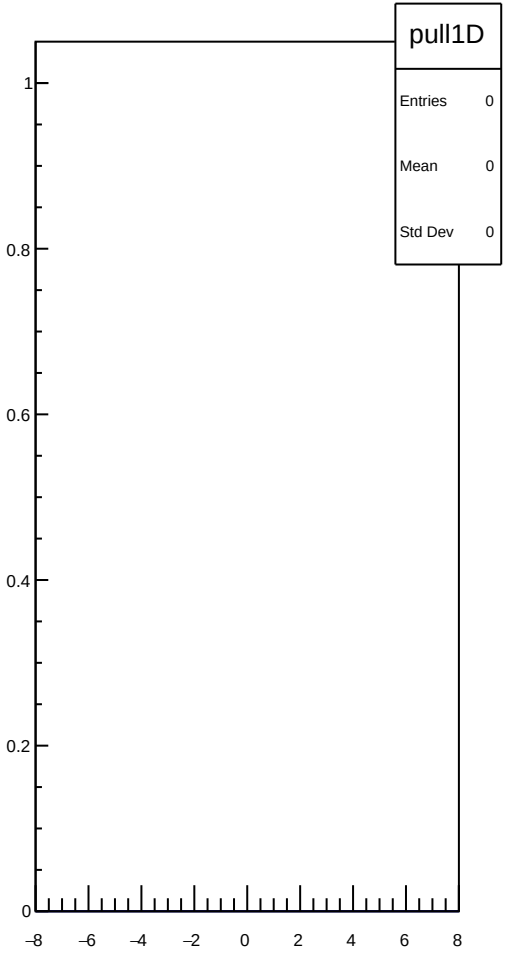
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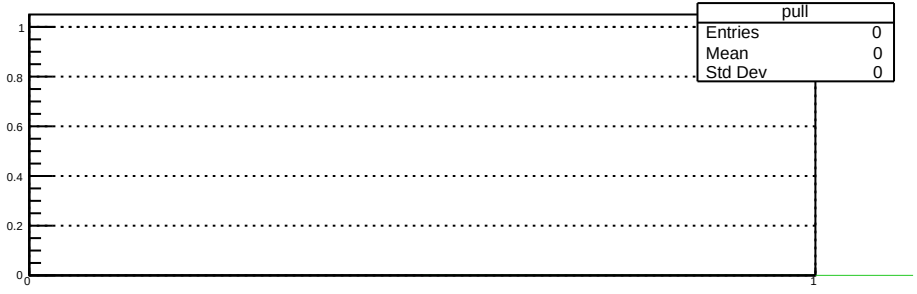
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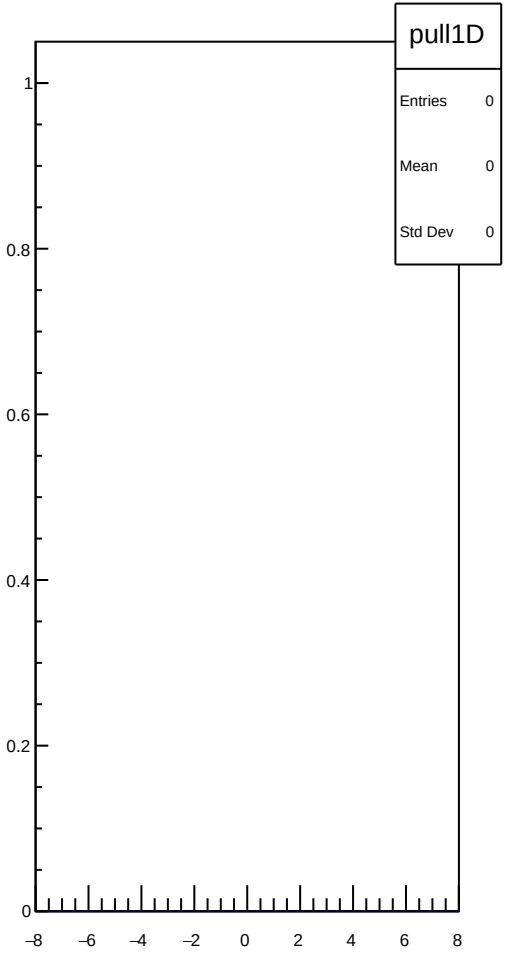
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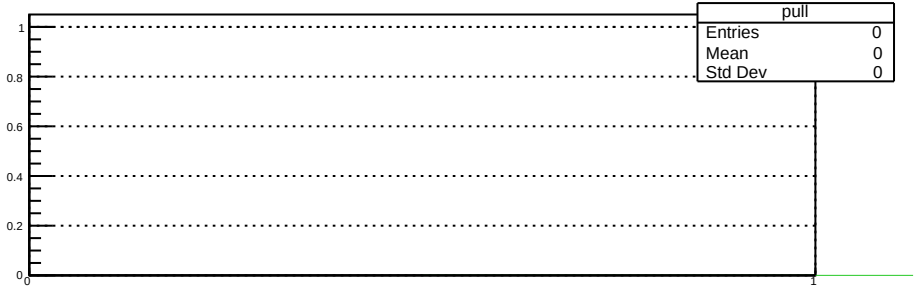
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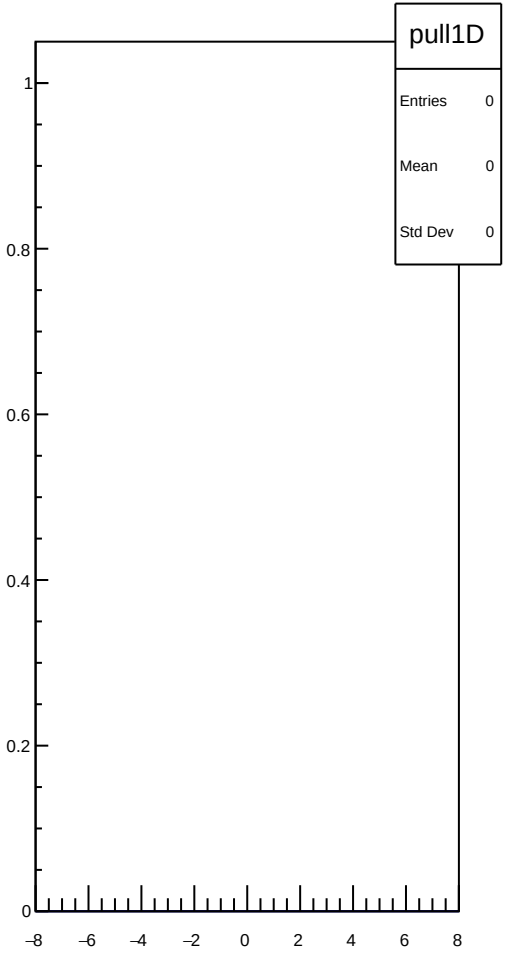
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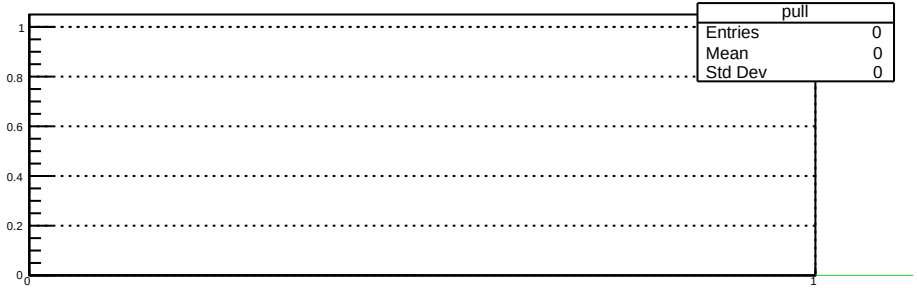
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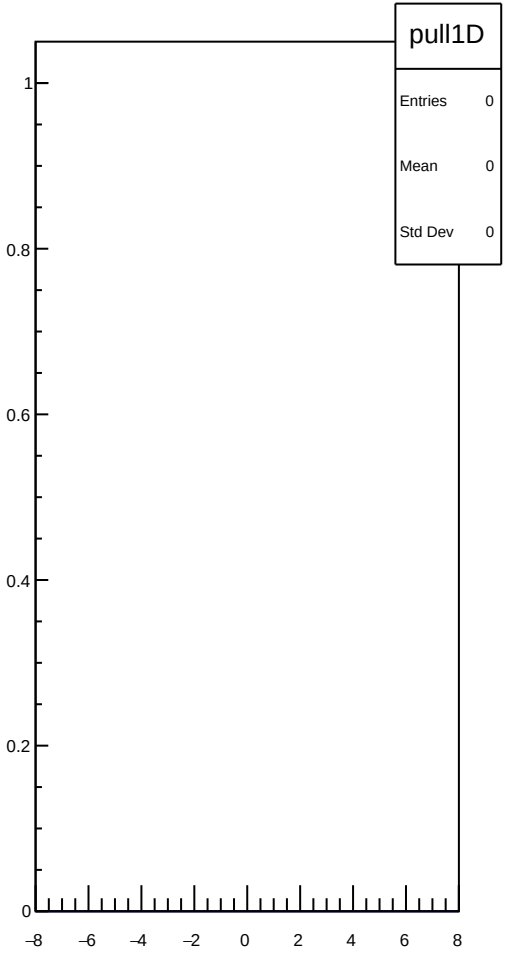
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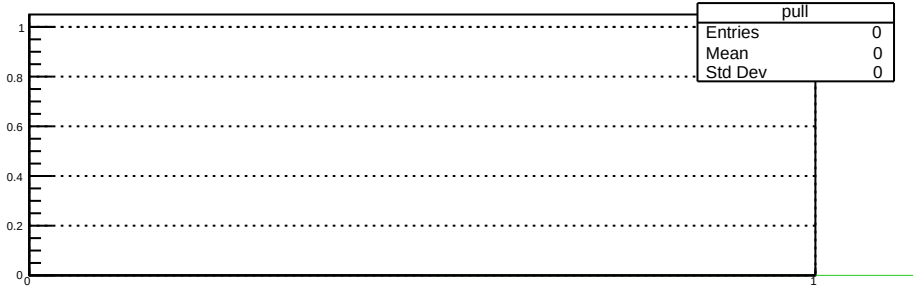
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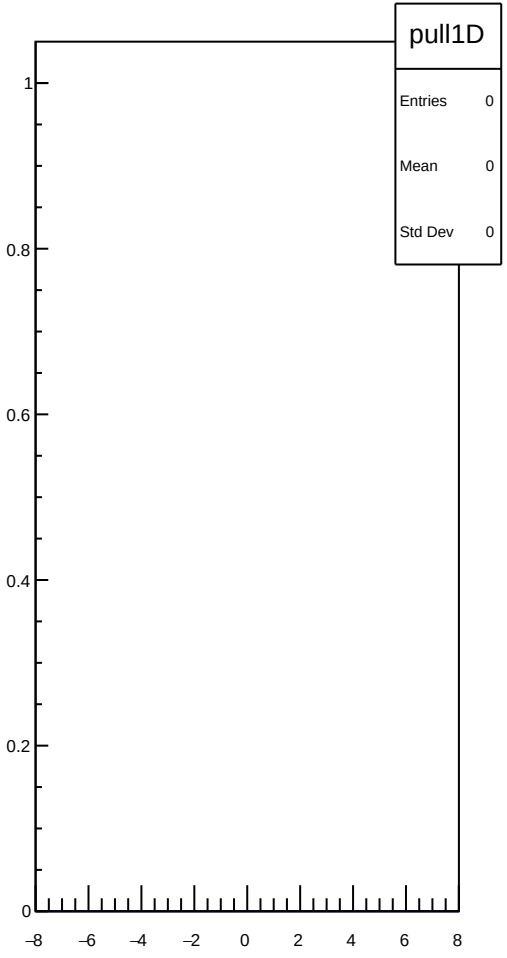
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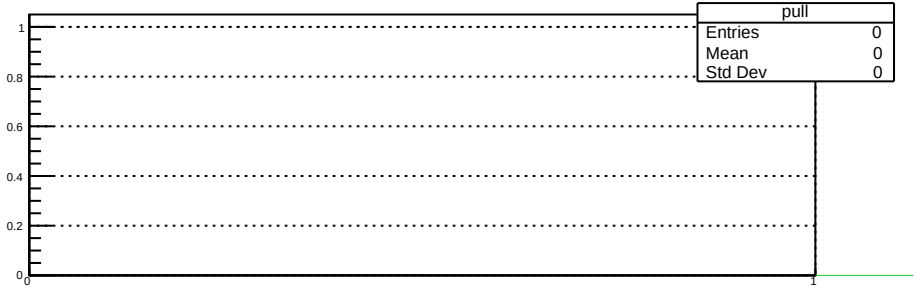
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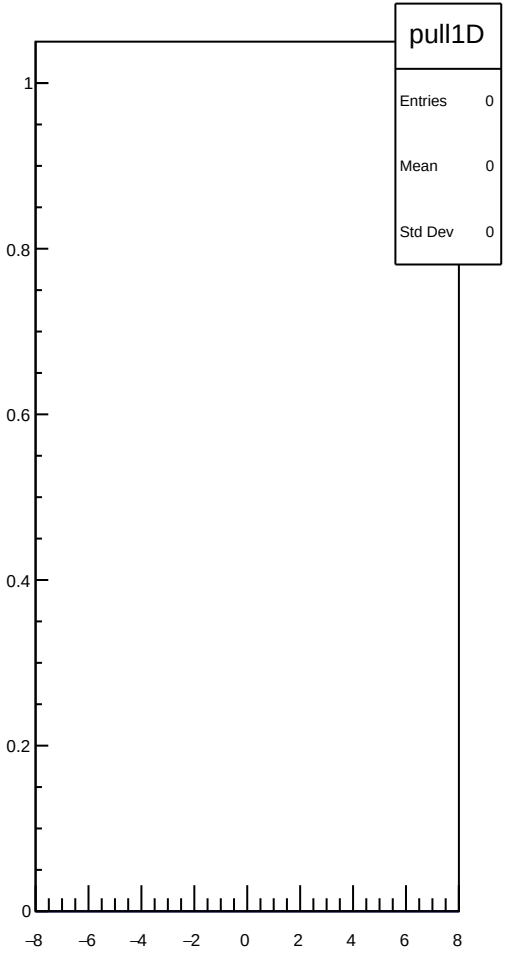
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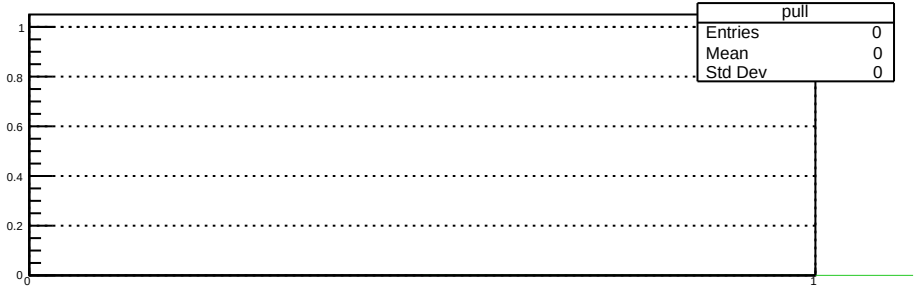
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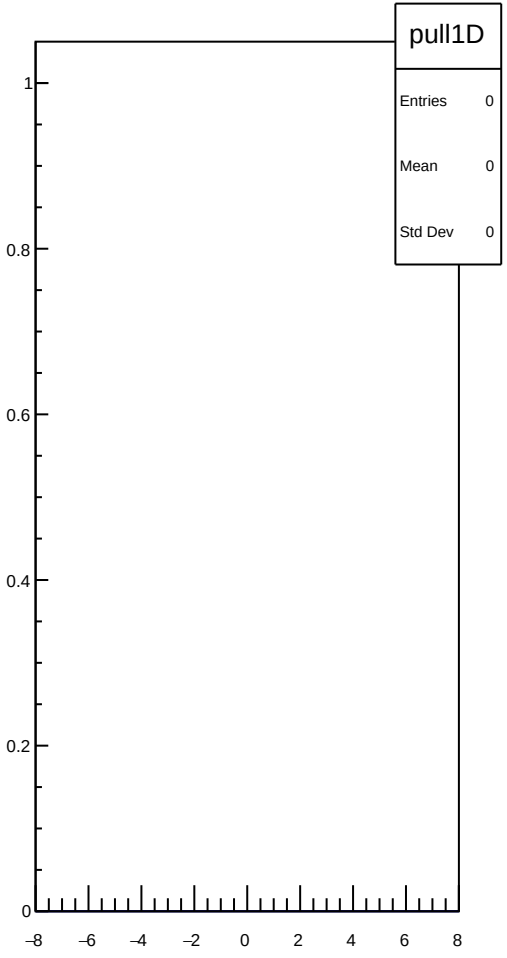
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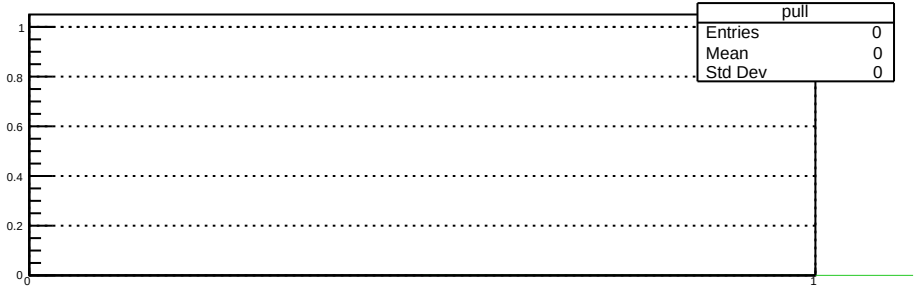
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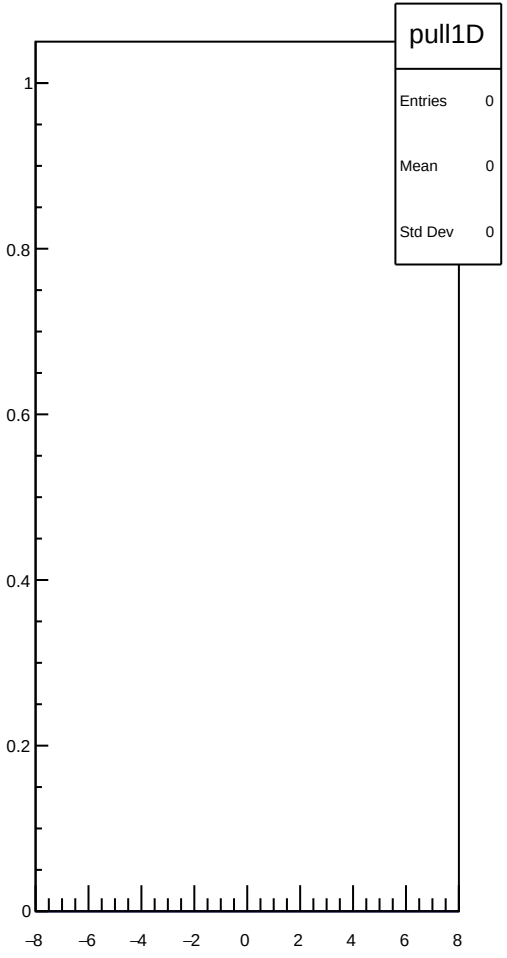
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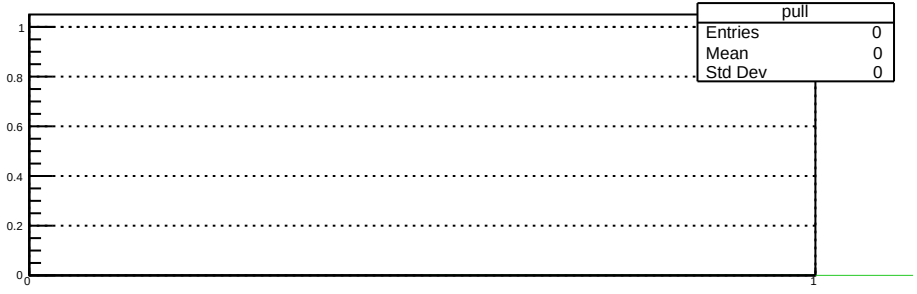
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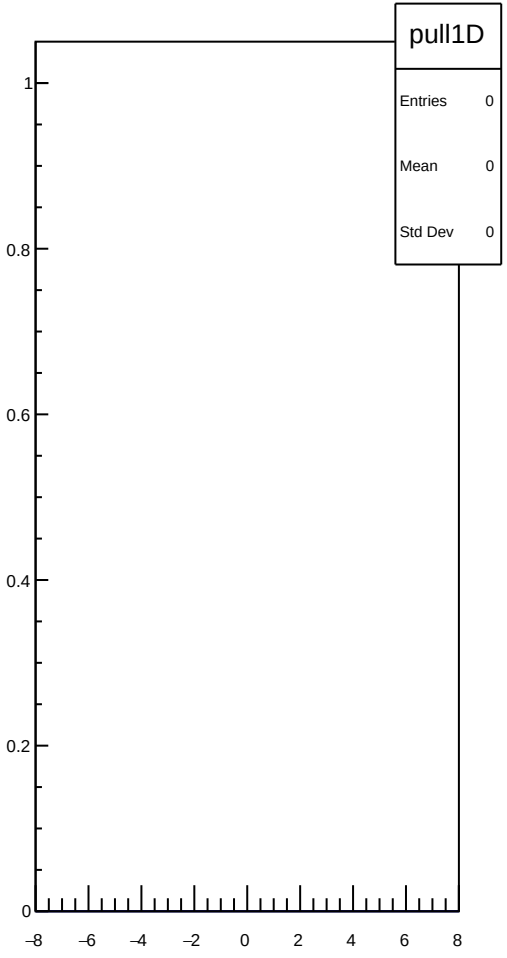
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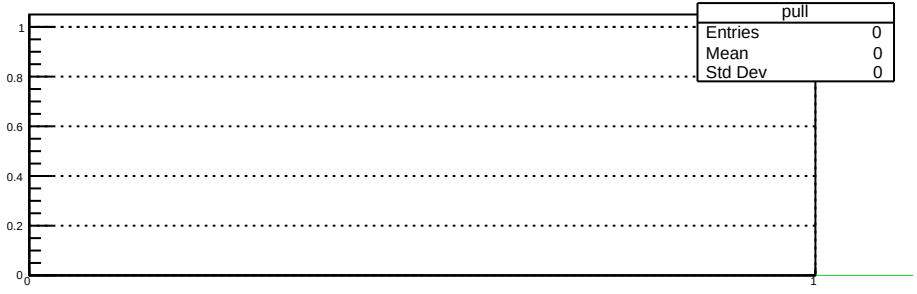
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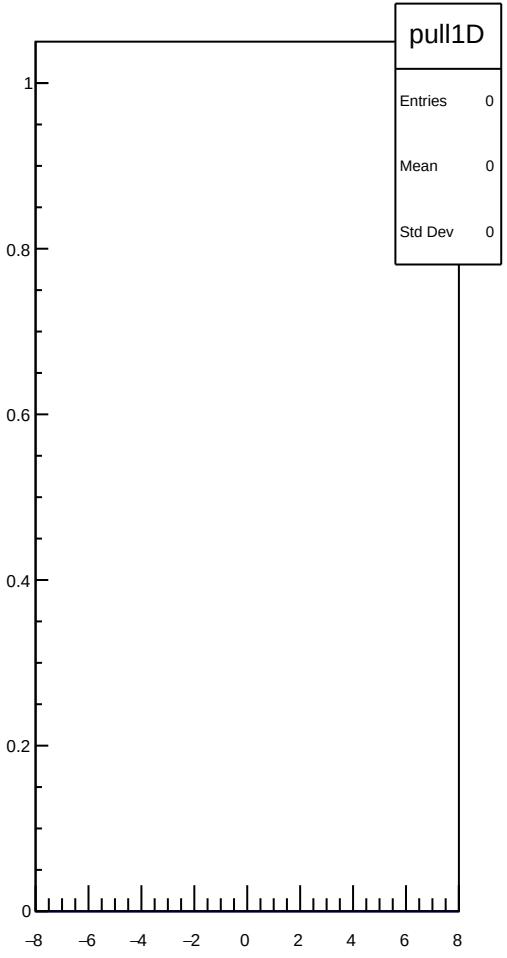
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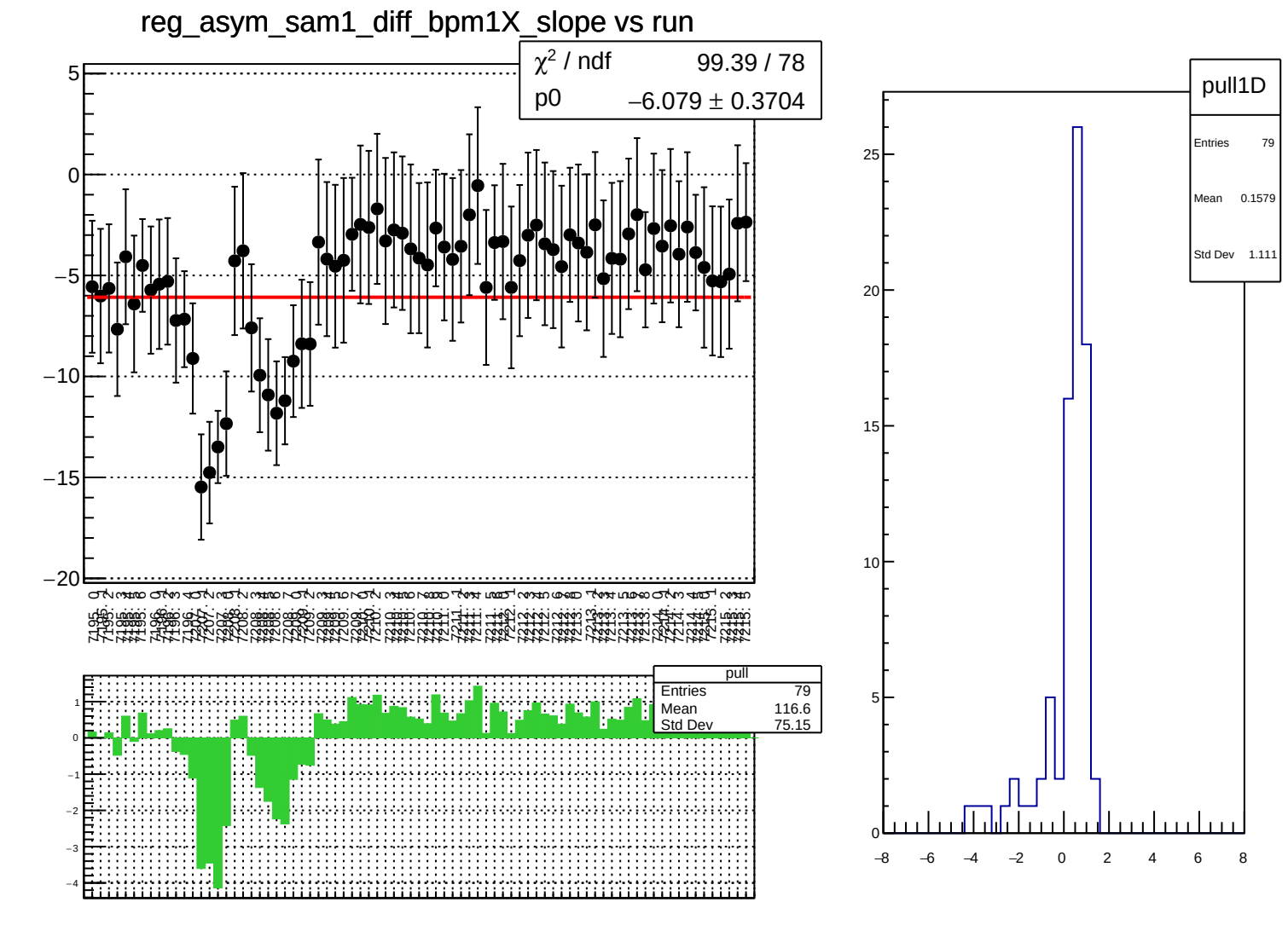
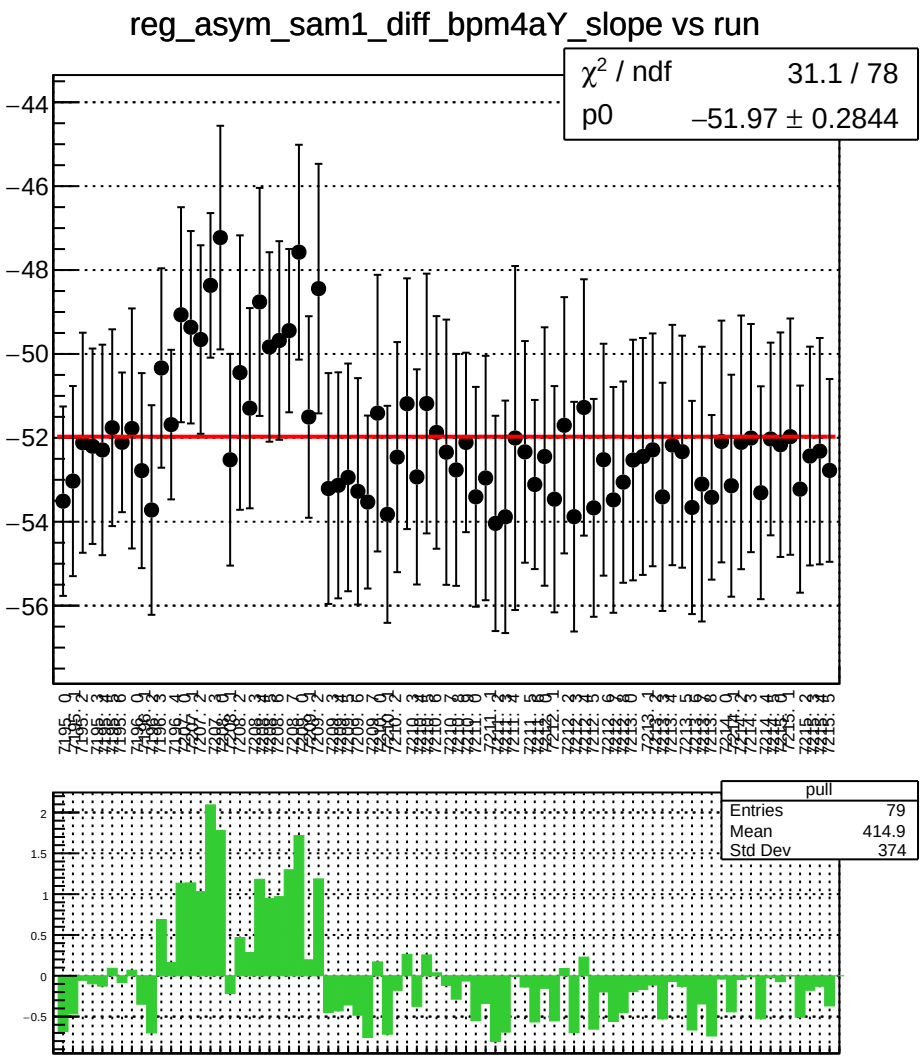
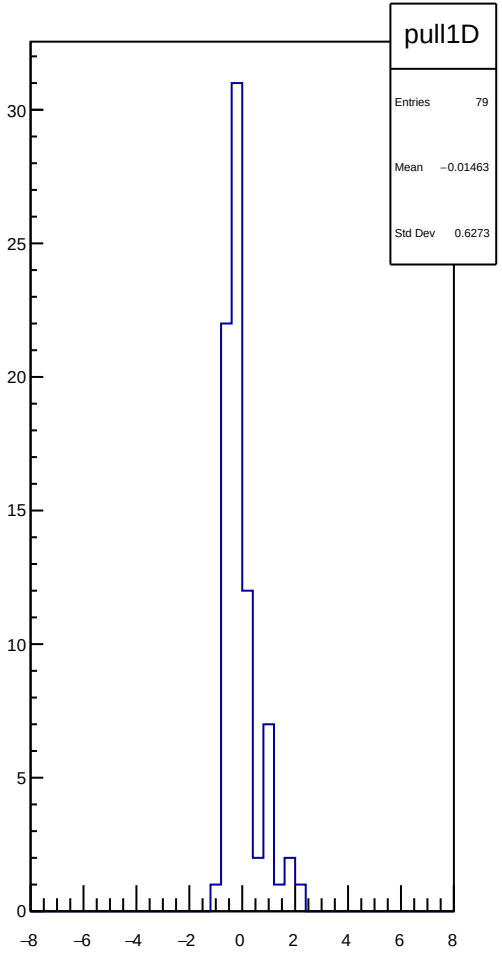
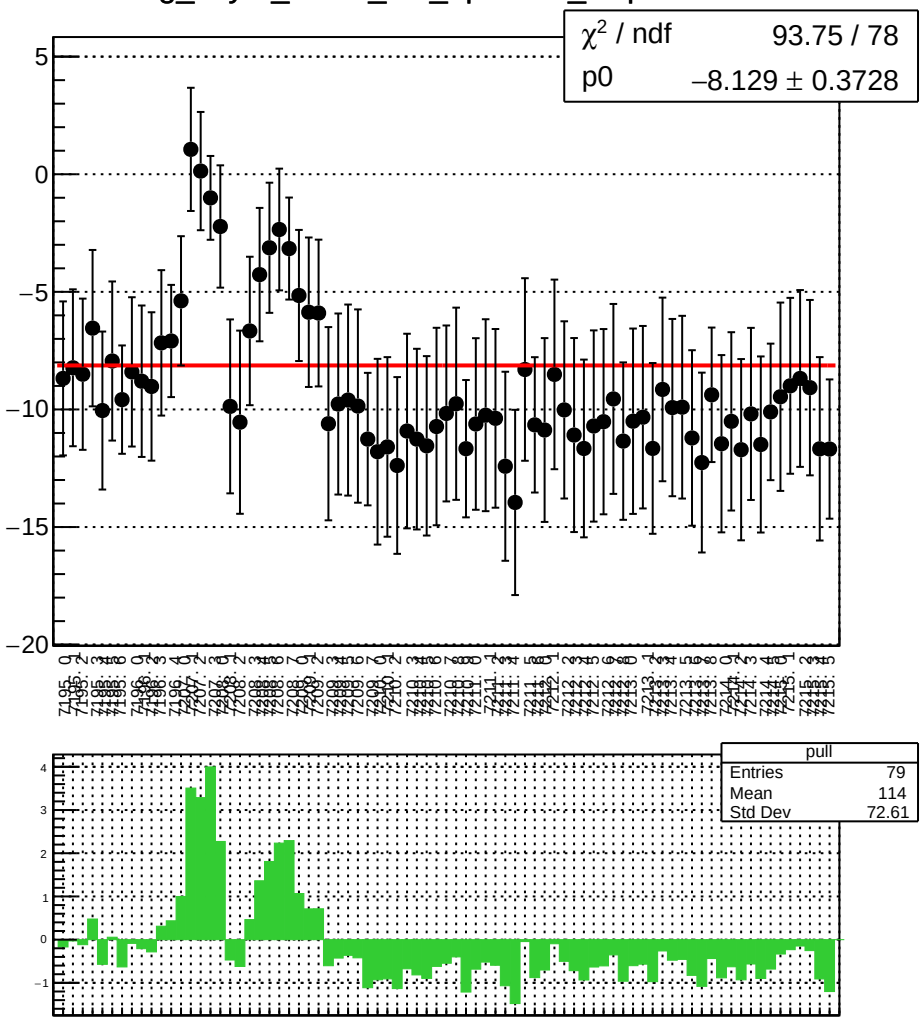
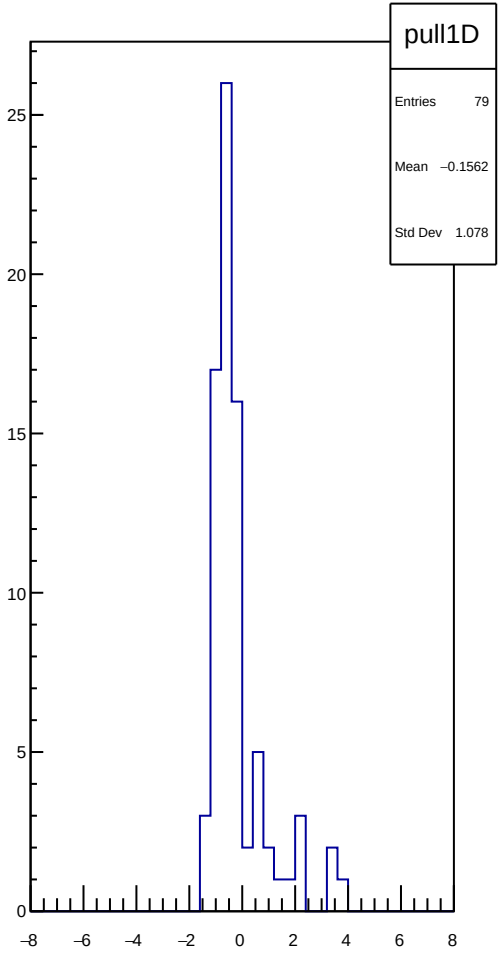
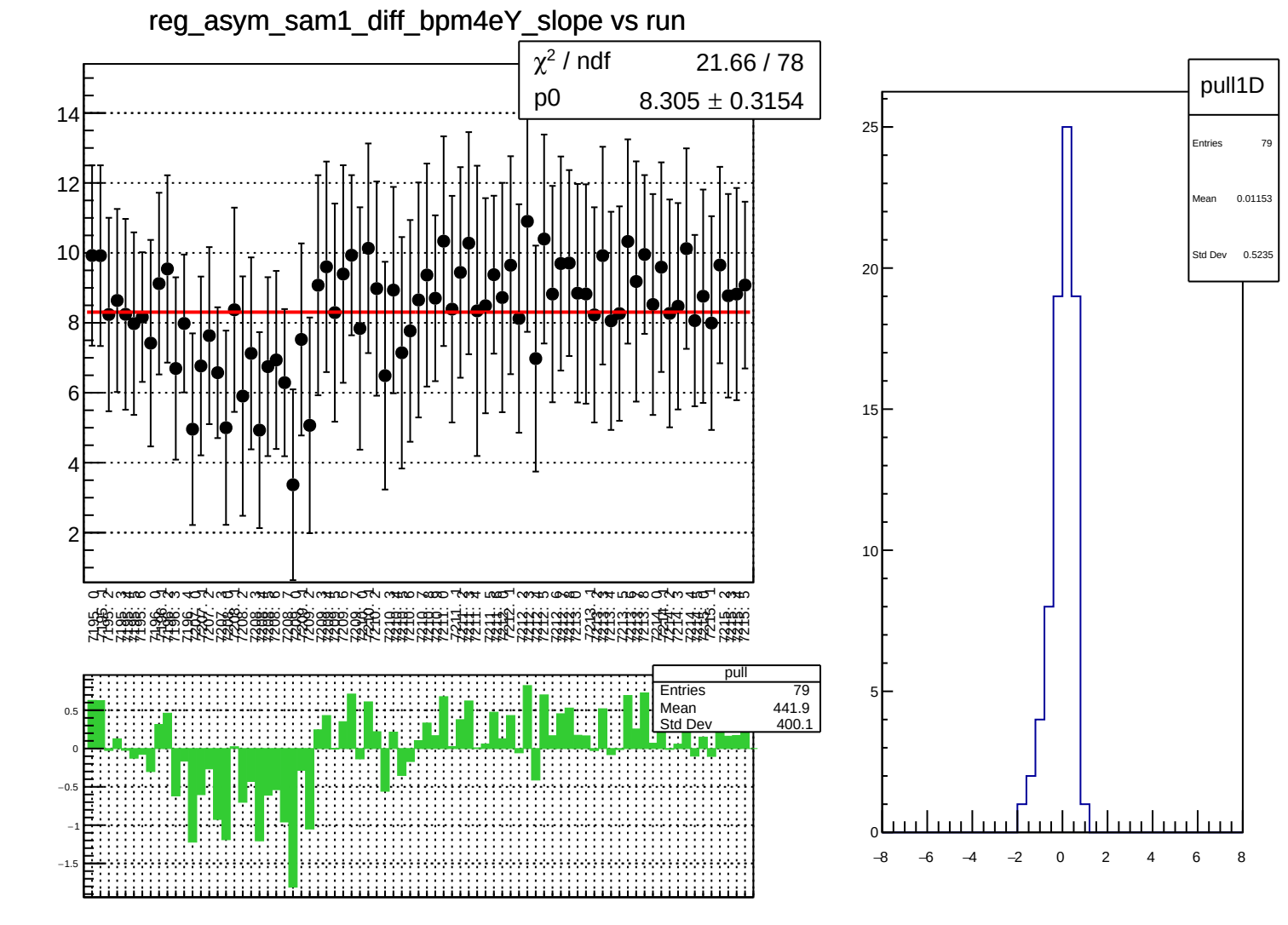

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 99.39 / 78
p0 −6.079 ± 0.3704
pull
Entries 79
Mean 116.6
Std Dev 75.15
pull1D
Entries 79
Mean 0.1579
Std Dev 1.111

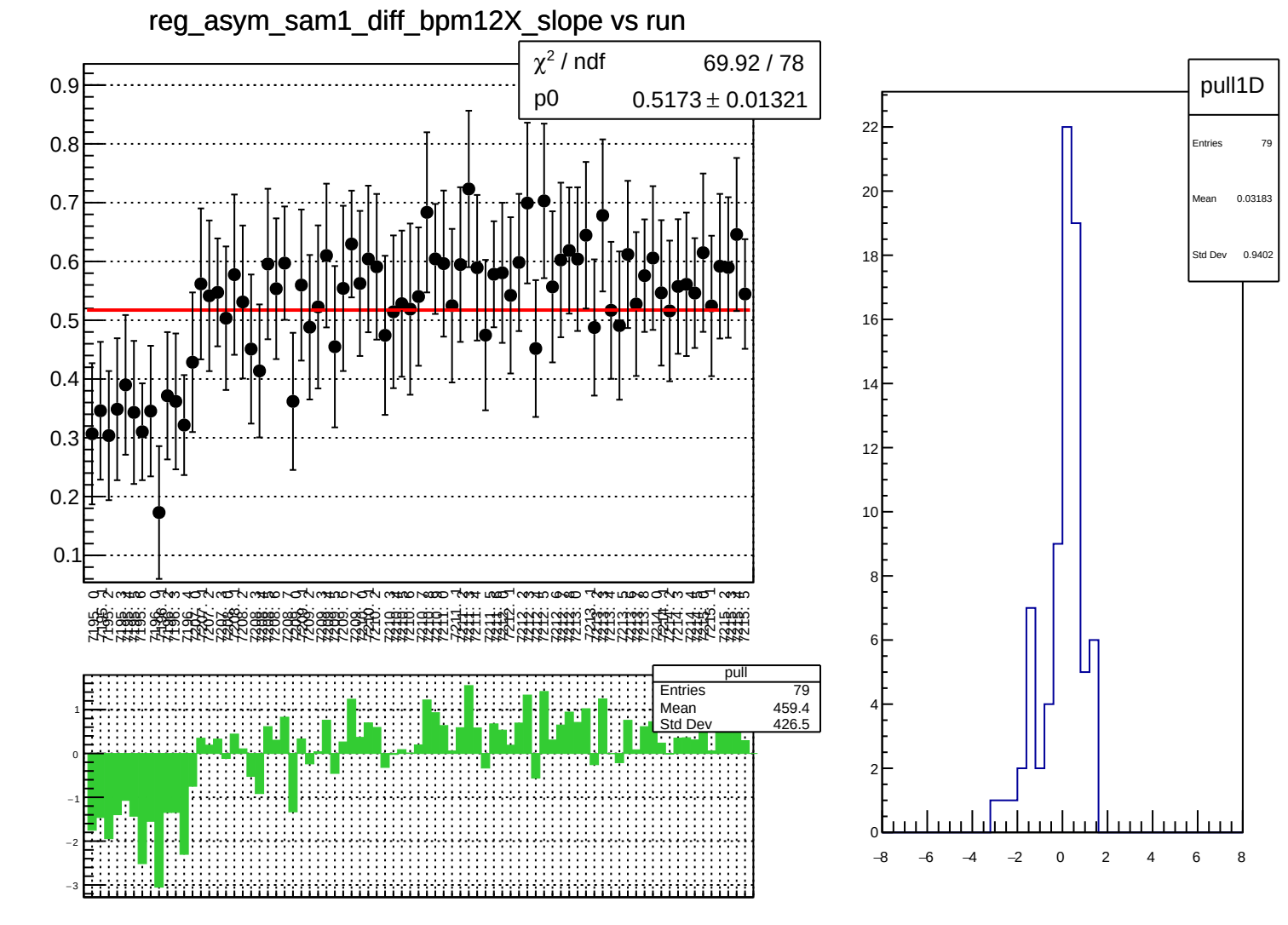

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 31.1 / 78
p0 −51.97 ± 0.2844
pull
Entries 79
Mean 414.9
Std Dev 374

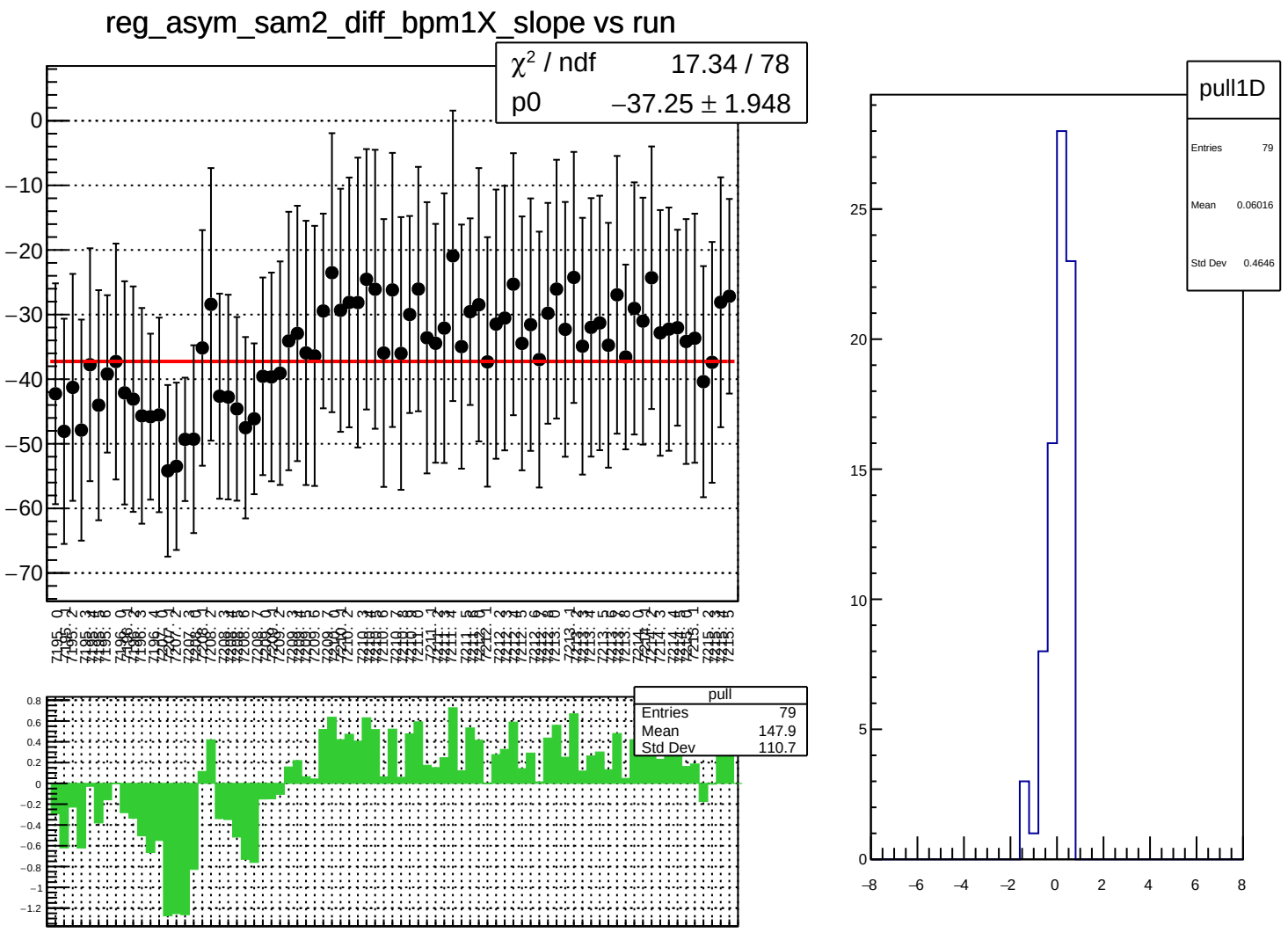

pull1D
Entries 79
Mean −0.01463
Std Dev 0.6273

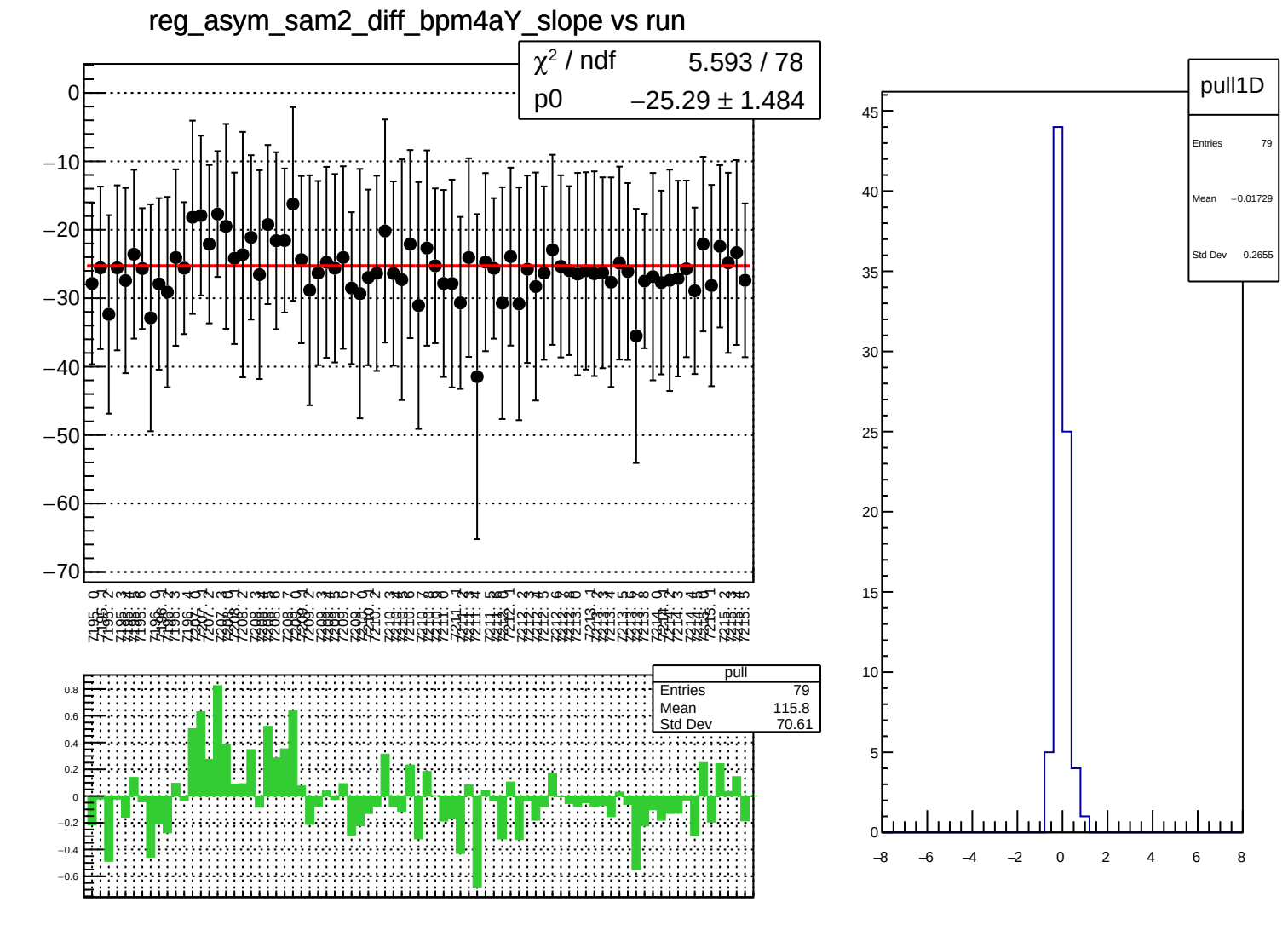

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 93.75 / 78
p0 −8.129 ± 0.3728
pull
Entries 79
Mean 114
Std Dev 72.61

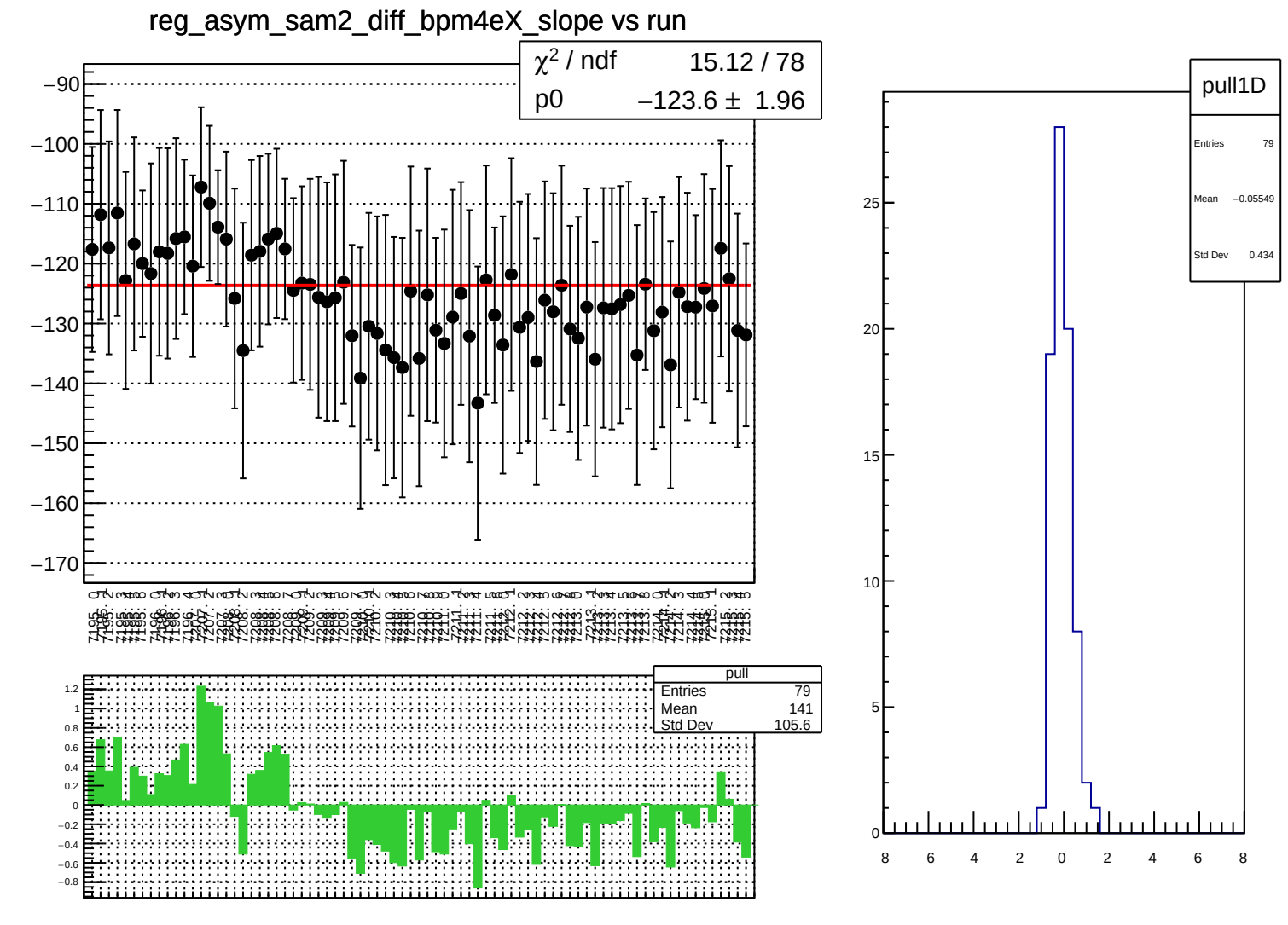

pull1D
Entries 79
Mean −0.1562
Std Dev 1.078

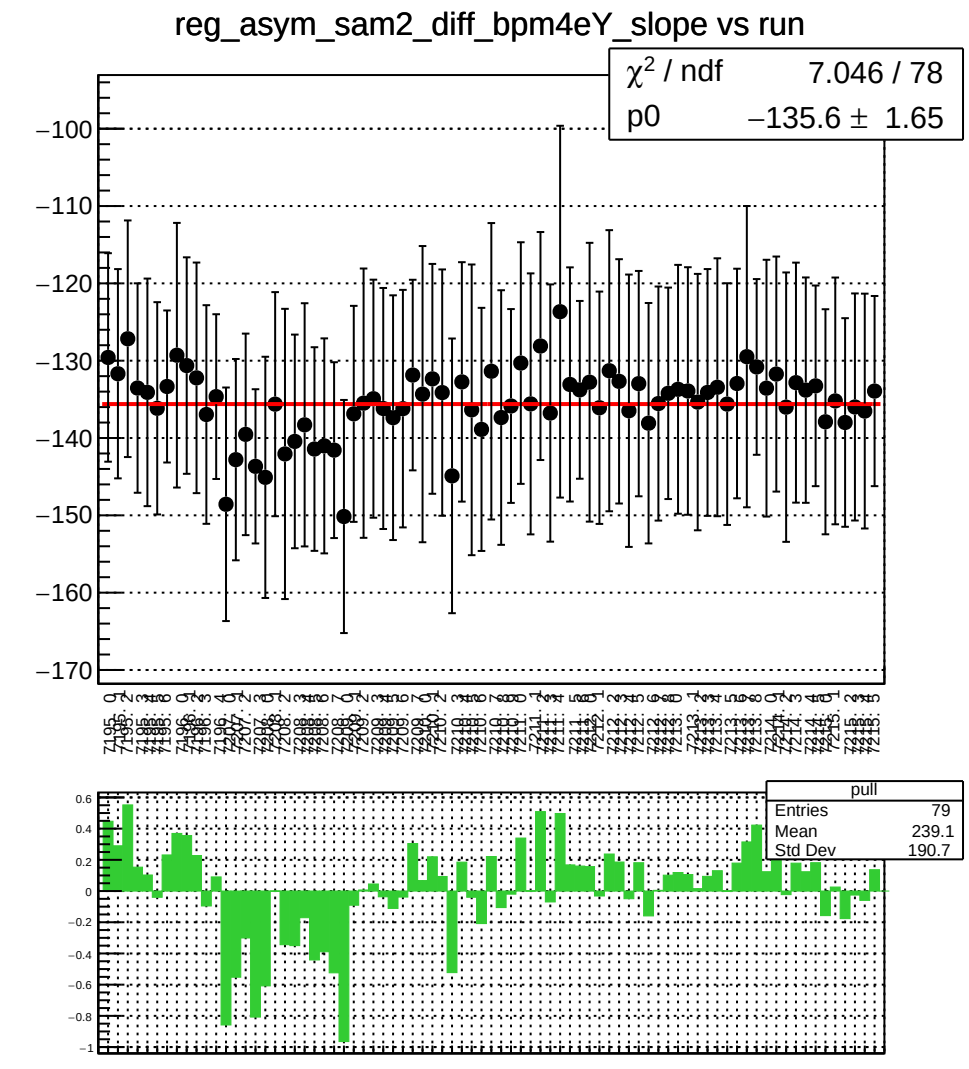

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 21.66 / 78
p0 8.305 ± 0.3154
pull
Entries 79
Mean 441.9
Std Dev 400.1
pull1D
Entries 79
Mean 0.01153
Std Dev 0.5235

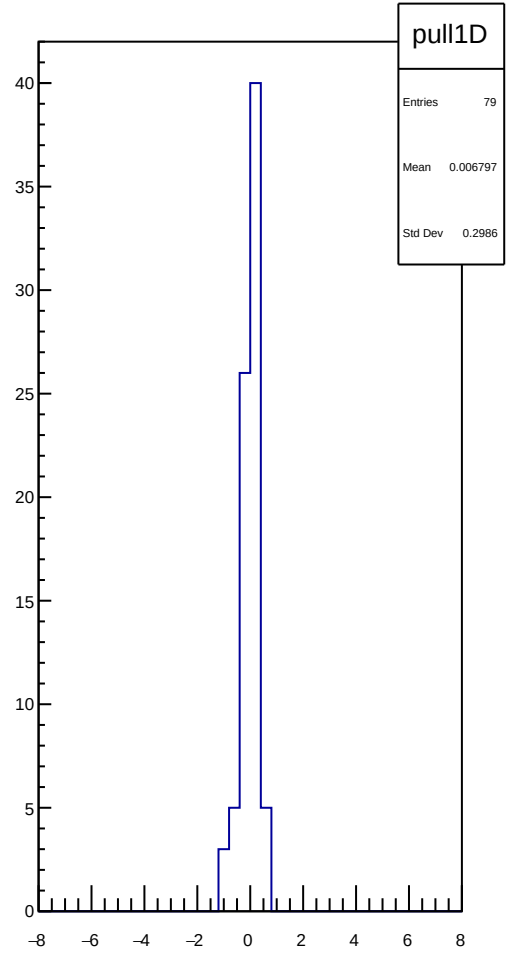

reg_asym_sam1_diff_bpm12X_slope vs run
χ^2 / ndf 69.92 / 78
p0 0.5173 ± 0.01321
pull
Entries 79
Mean 459.4
Std Dev 426.5
pull1D
Entries 79
Mean 0.03183
Std Dev 0.9402

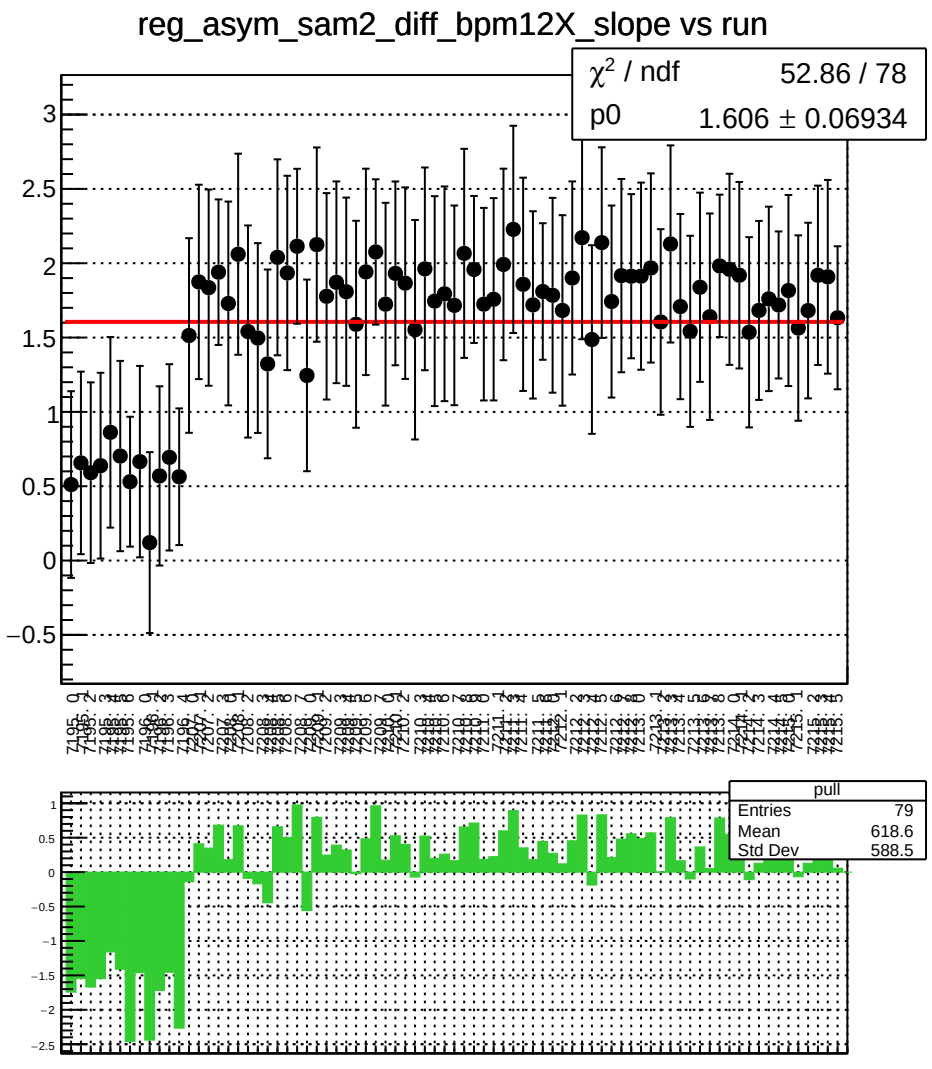

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 17.34 / 78
p0 −37.25 ± 1.948
pull
Entries 79
Mean 147.9
Std Dev 110.7
pull1D
Entries 79
Mean 0.06016
Std Dev 0.4646

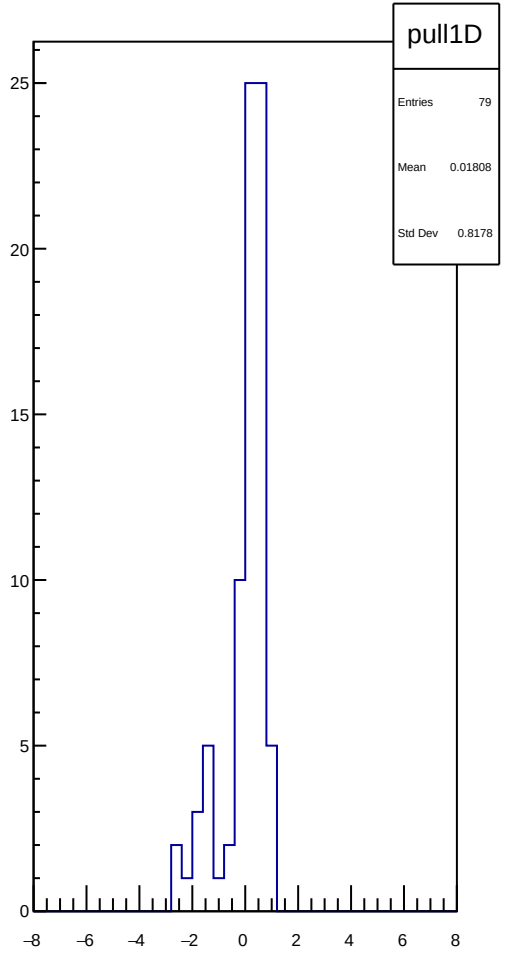

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 5.593 / 78
p0 −25.29 ± 1.484
pull
Entries 79
Mean 115.8
Std Dev 70.61
pull1D
Entries 79
Mean −0.01729
Std Dev 0.2655

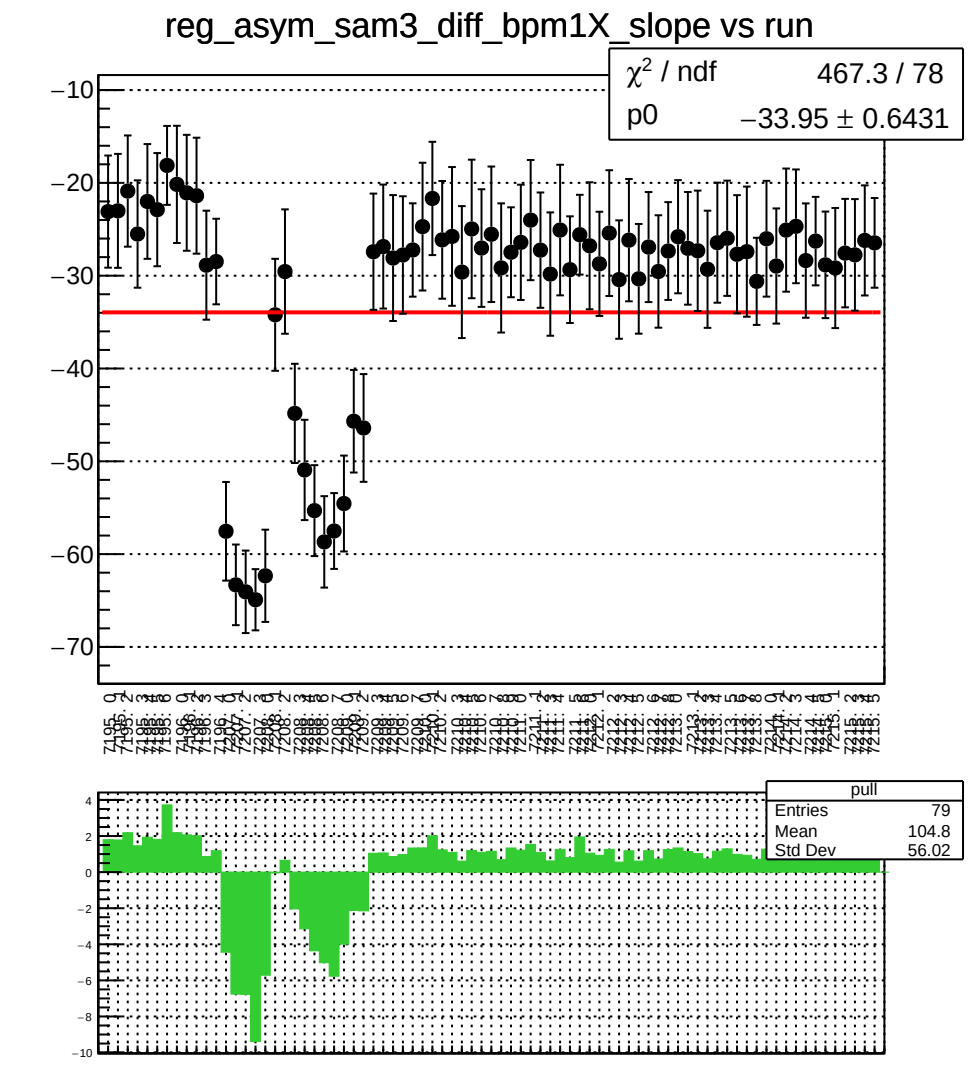

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 15.12 / 78
p0 −123.6 ± 1.96
pull
Entries 79
Mean 141
Std Dev 105.6
pull1D
Entries 79
Mean −0.05549
Std Dev 0.434

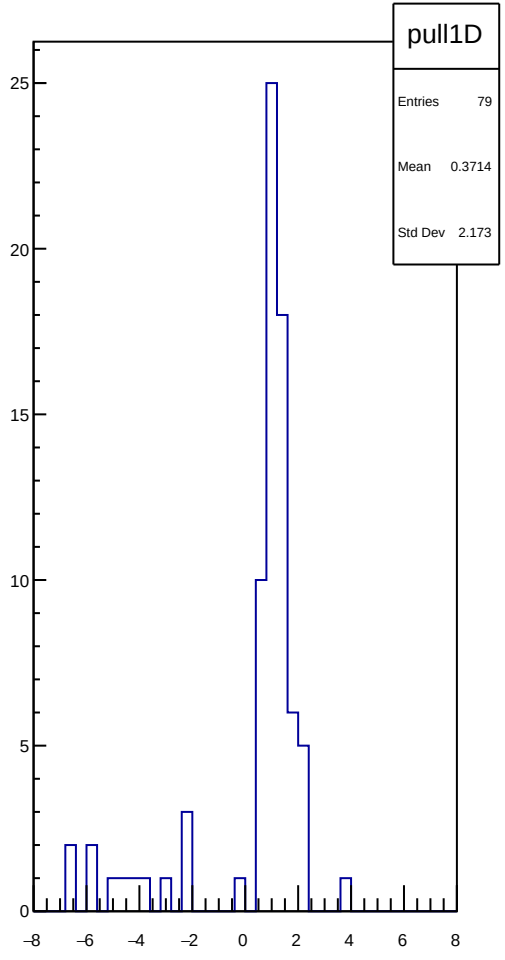

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 7.046 / 78
p0 −135.6 ± 1.65
pull
Entries 79
Mean 239.1
Std Dev 190.7

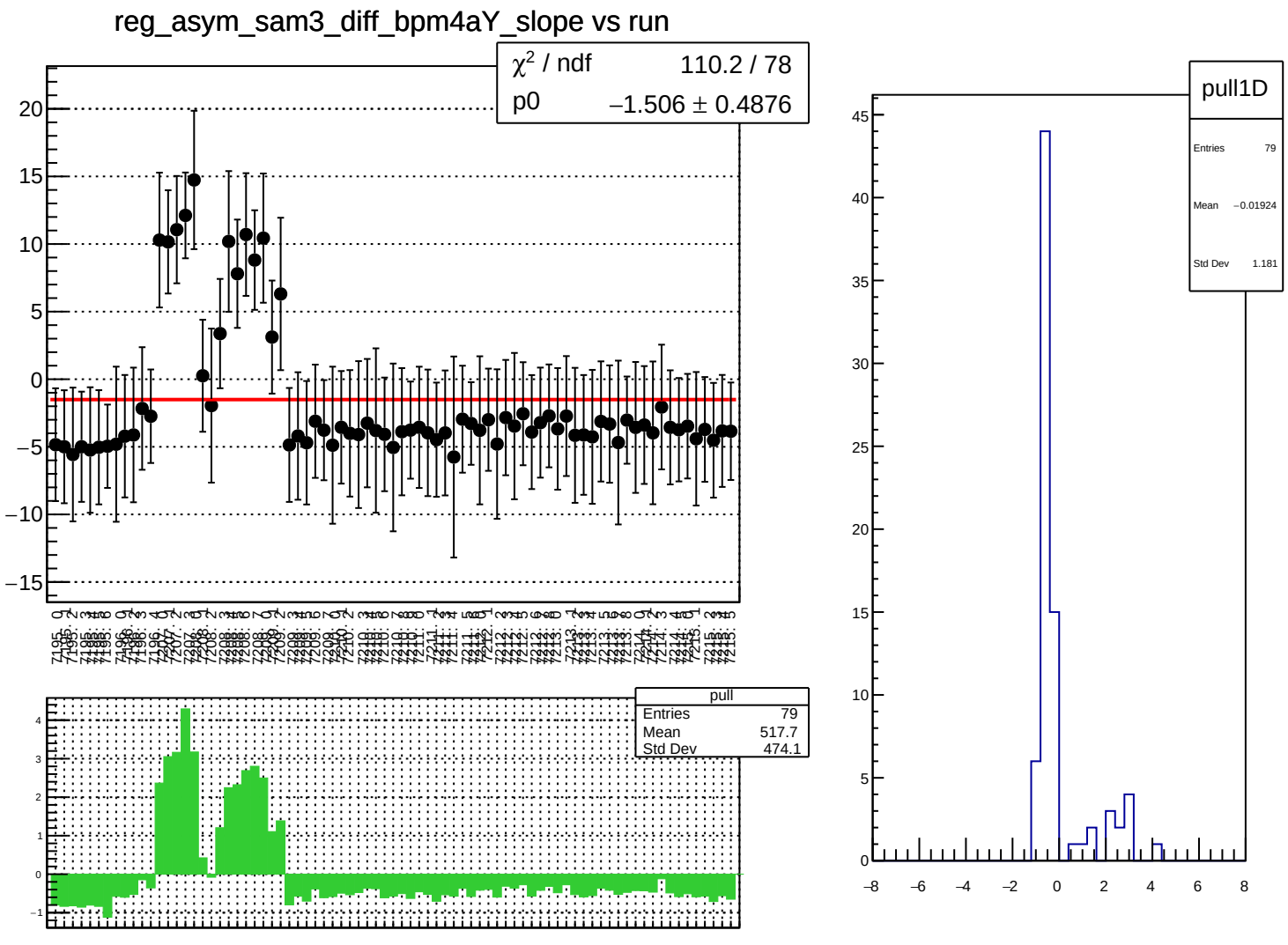

pull1D
Entries 79
Mean 0.006797
Std Dev 0.2986

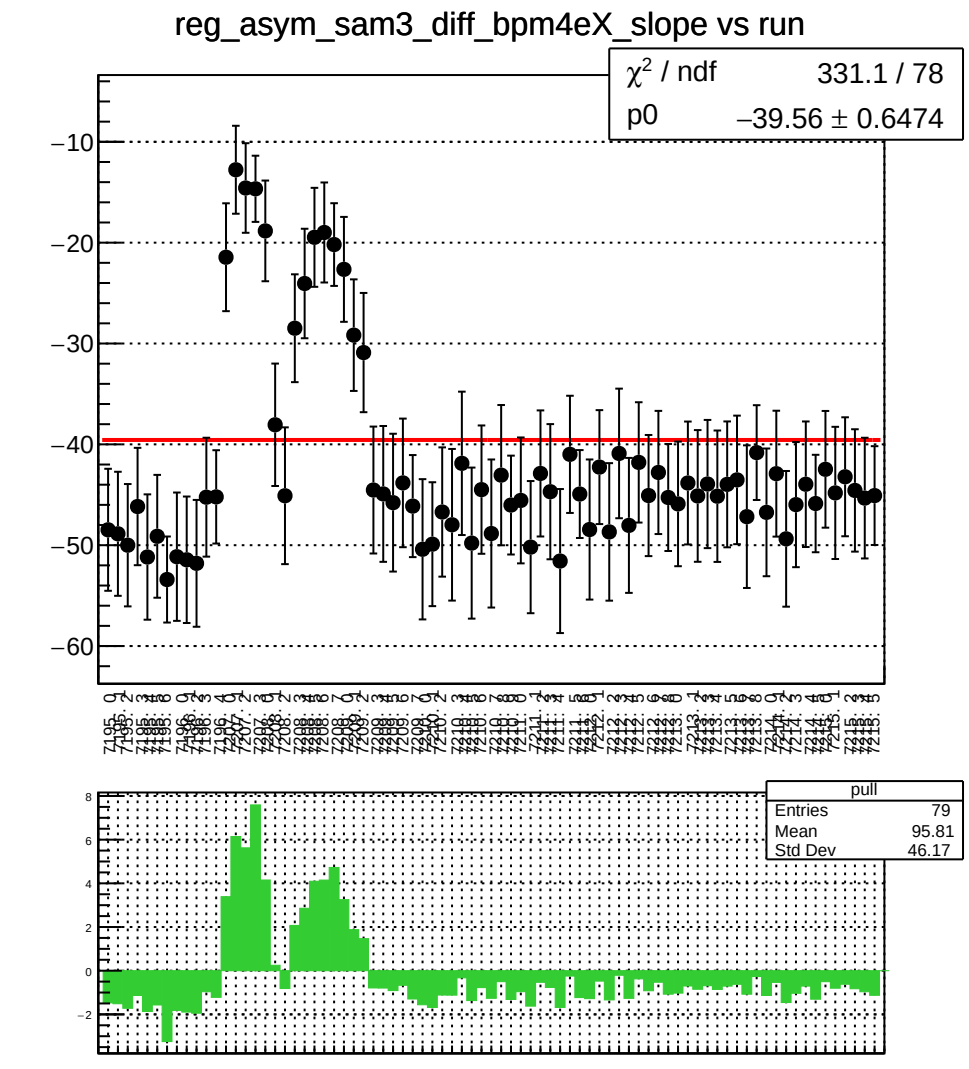

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 52.86 / 78
p0 1.606 ± 0.06934
pull
Entries 79
Mean 618.6
Std Dev 588.5

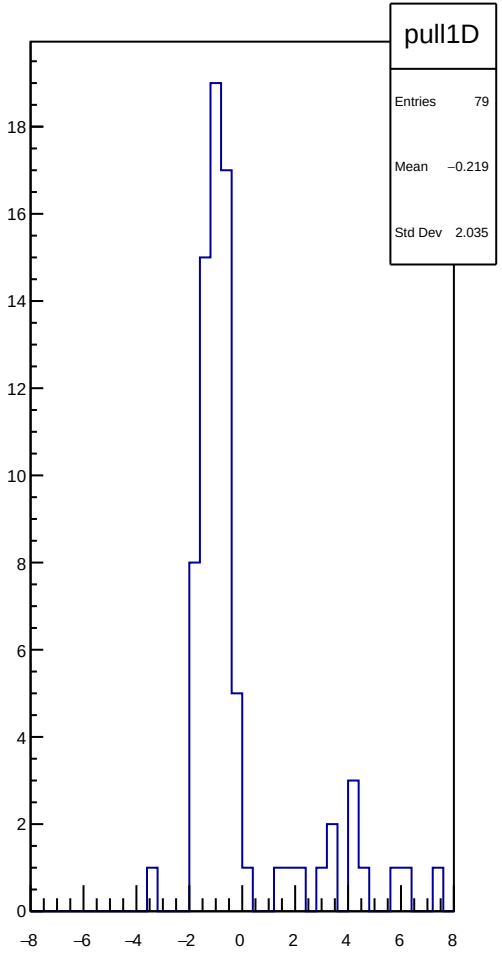

pull1D
Entries 79
Mean 0.01808
Std Dev 0.8178

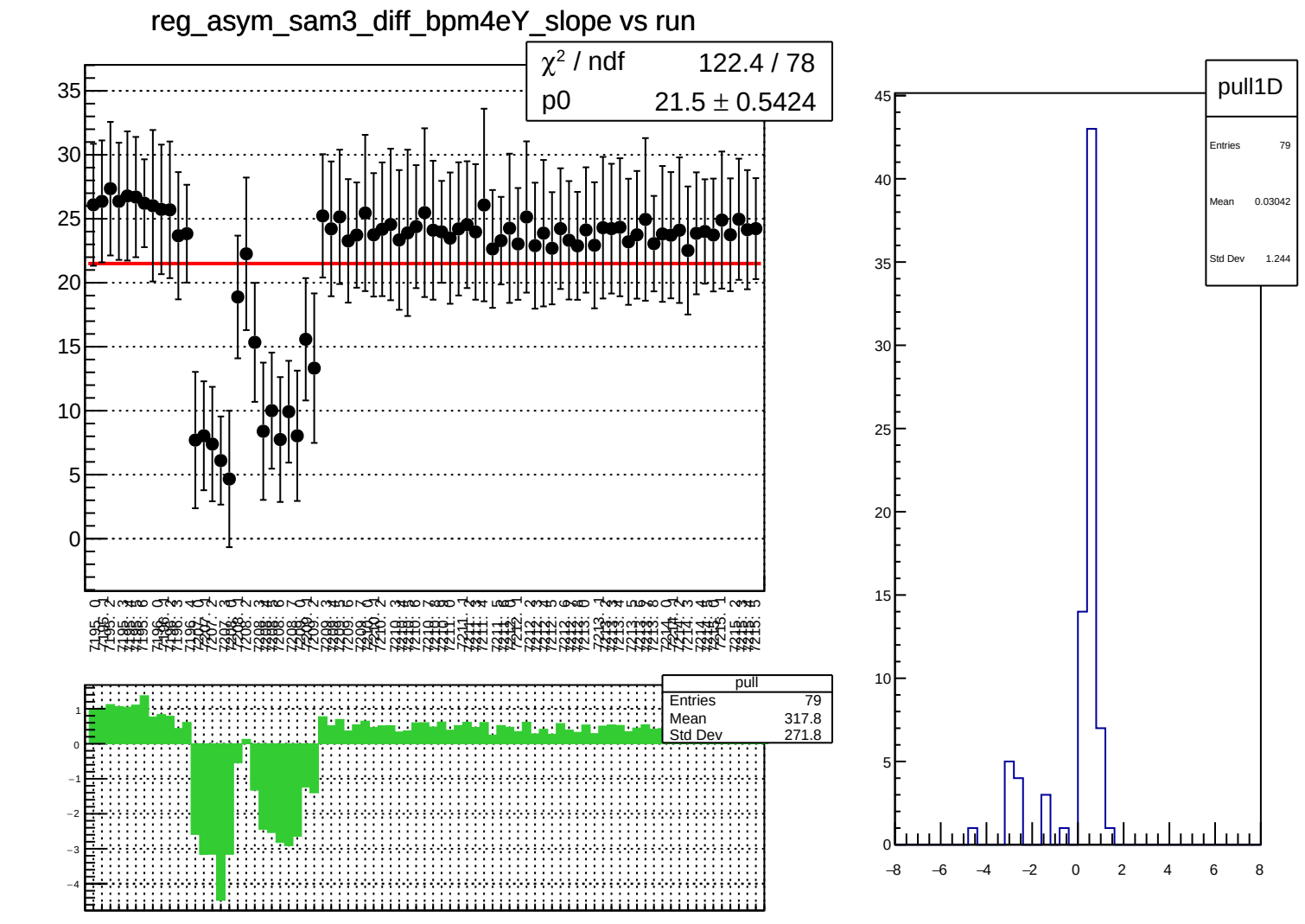

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 467.3 / 78
p0 −33.95 ± 0.6431
pull
Entries 79
Mean 104.8
Std Dev 56.02

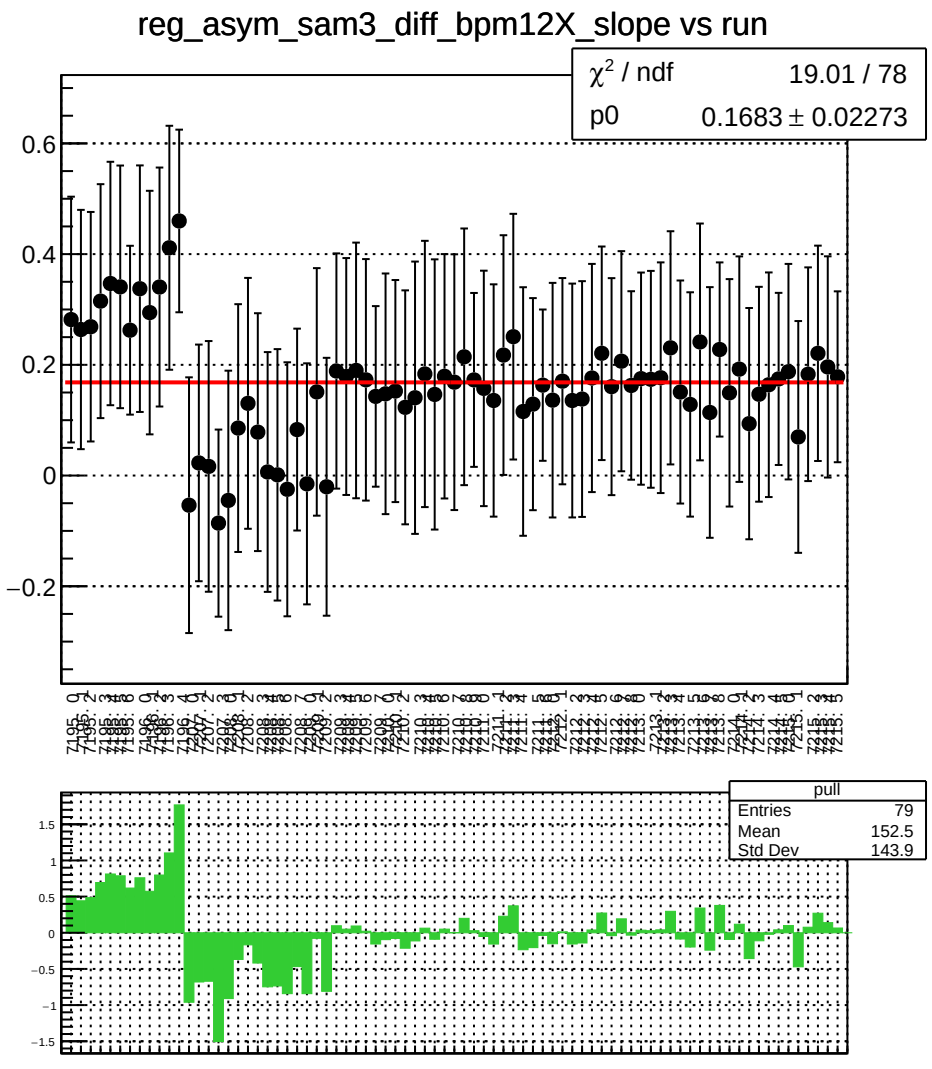

pull1D
Entries 79
Mean 0.3714
Std Dev 2.173

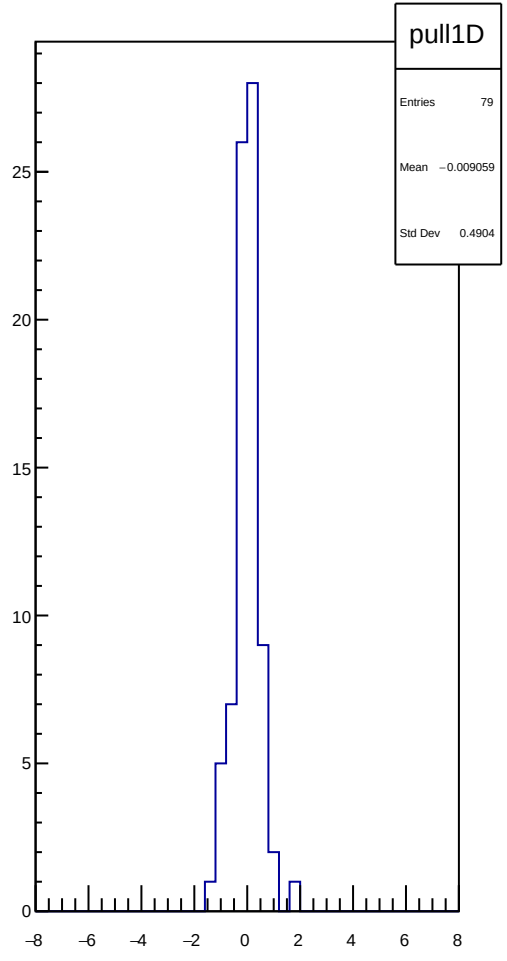

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 110.2 / 78
p0 −1.506 ± 0.4876
pull
Entries 79
Mean 517.7
Std Dev 474.1
pull1D
Entries 79
Mean −0.01924
Std Dev 1.181

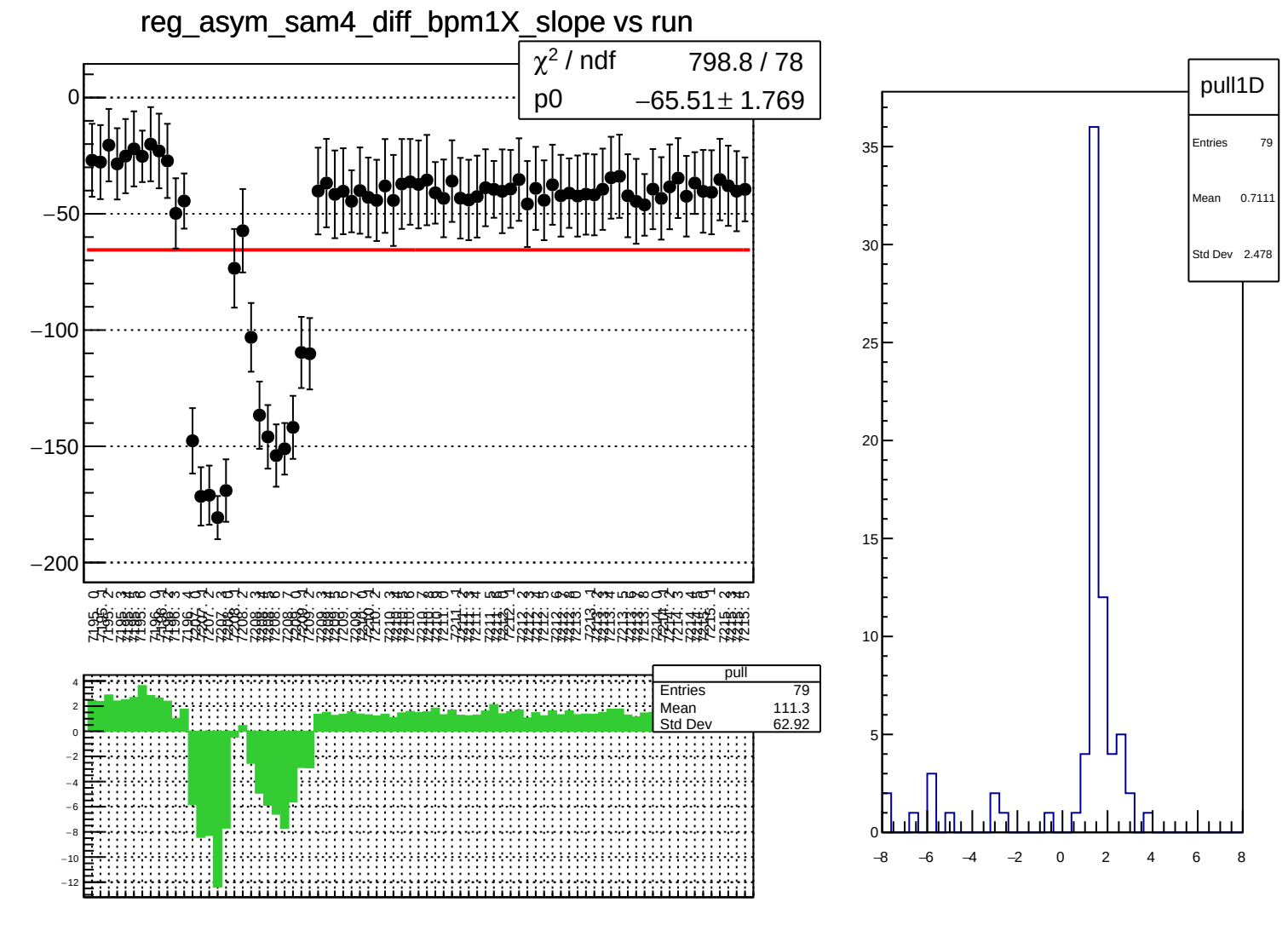

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 331.1 / 78
p0 −39.56 ± 0.6474
pull
Entries 79
Mean 95.81
Std Dev 46.17

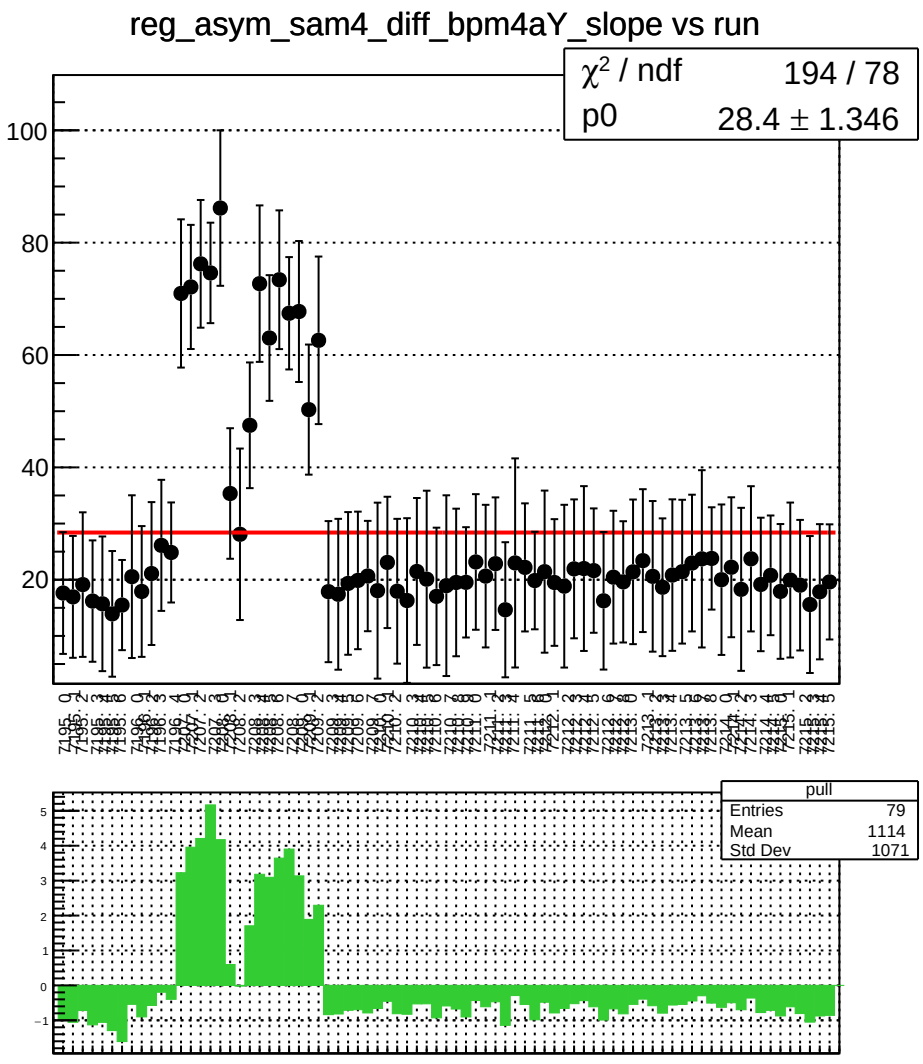

pull1D
Entries 79
Mean −0.219
Std Dev 2.035

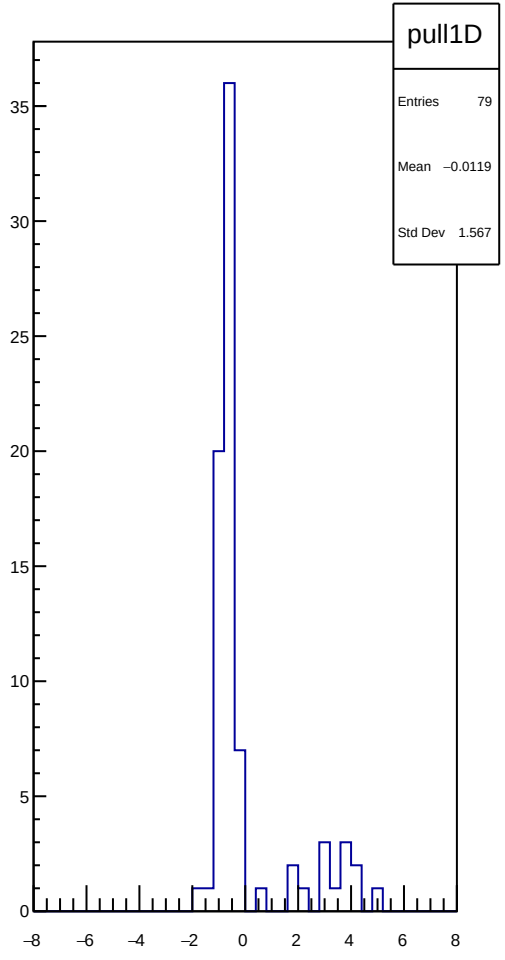

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 122.4 / 78
p0 21.5 ± 0.5424
pull
Entries 79
Mean 317.8
Std Dev 271.8
pull1D
Entries 79
Mean 0.03042
Std Dev 1.244

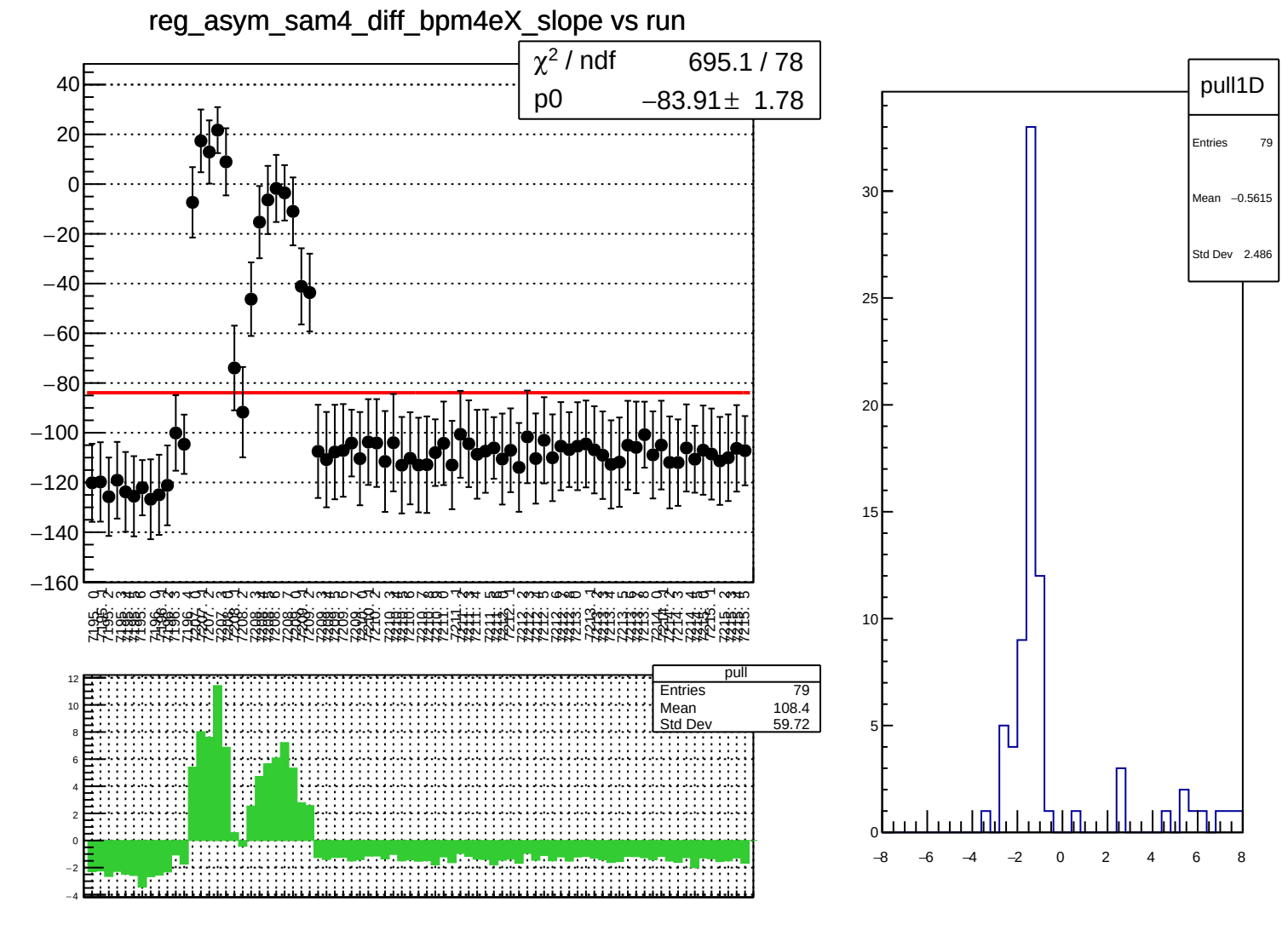

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 19.01 / 78
p0 0.1683 ± 0.02273
pull
Entries 79
Mean 152.5
Std Dev 143.9

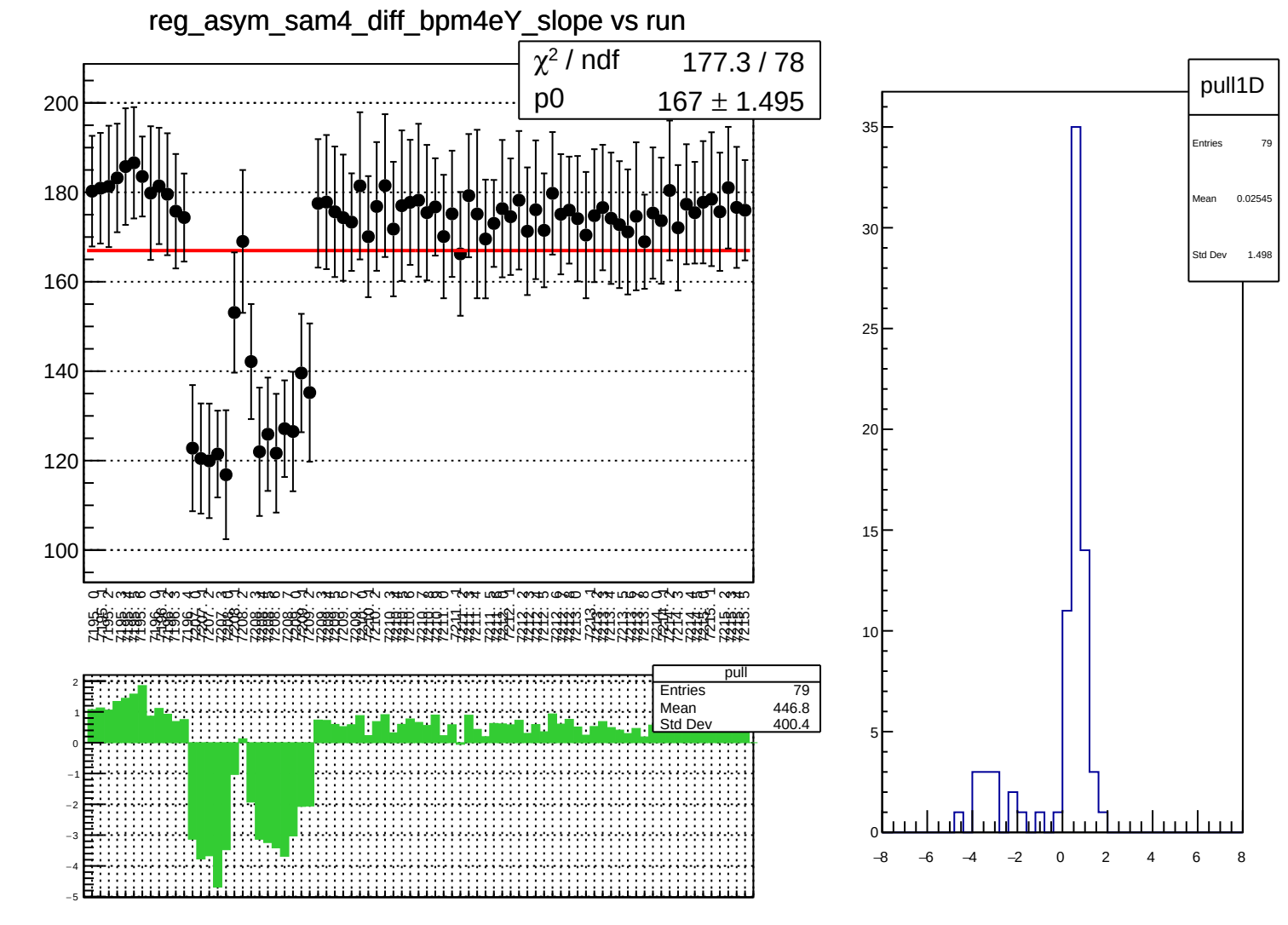

pull1D
Entries 79
Mean −0.009059
Std Dev 0.4904

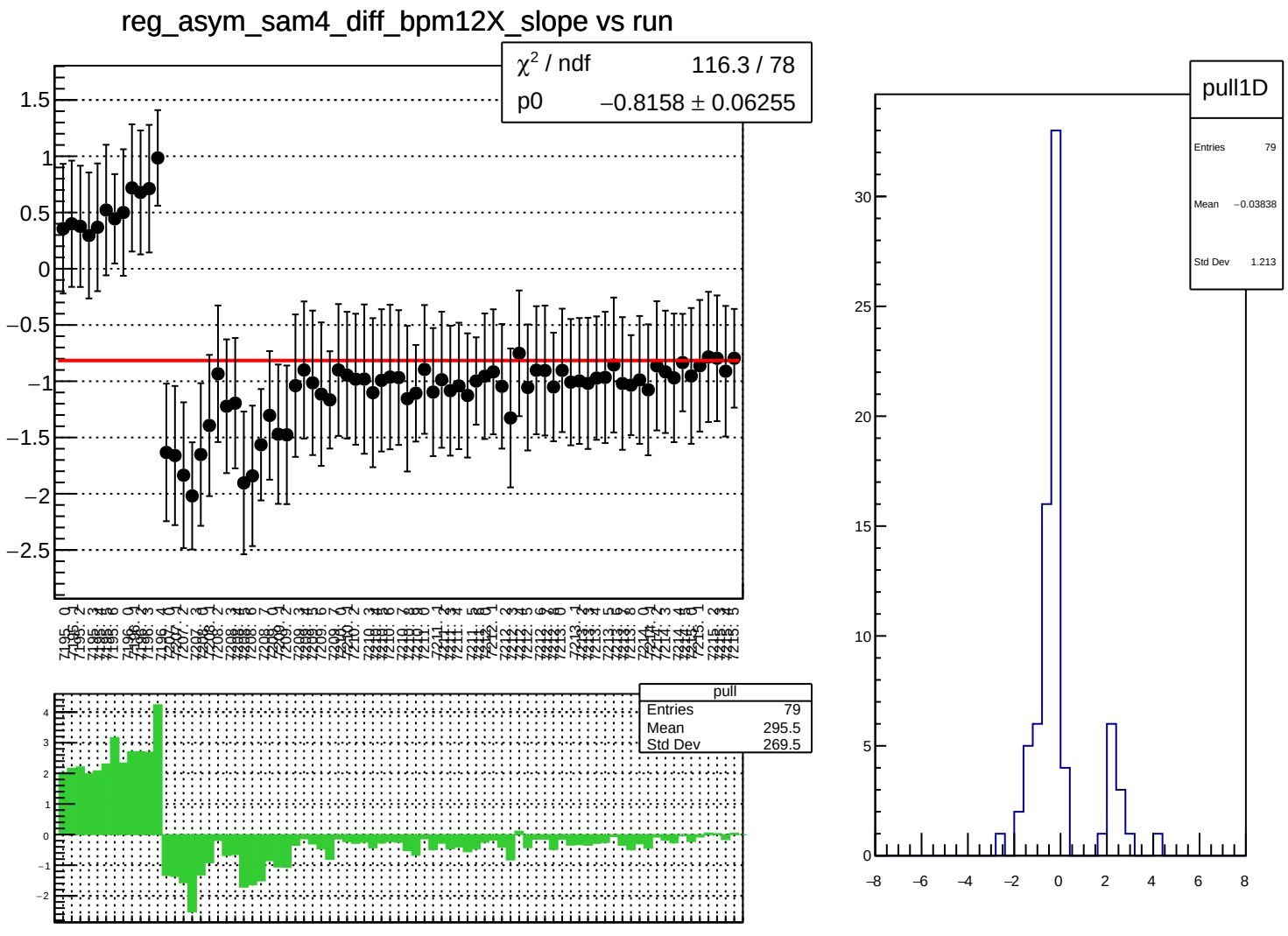

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 798.8 / 78
p0 −65.51 ± 1.769
pull
Entries 79
Mean 111.3
Std Dev 62.92
pull1D
Entries 79
Mean 0.7111
Std Dev 2.478

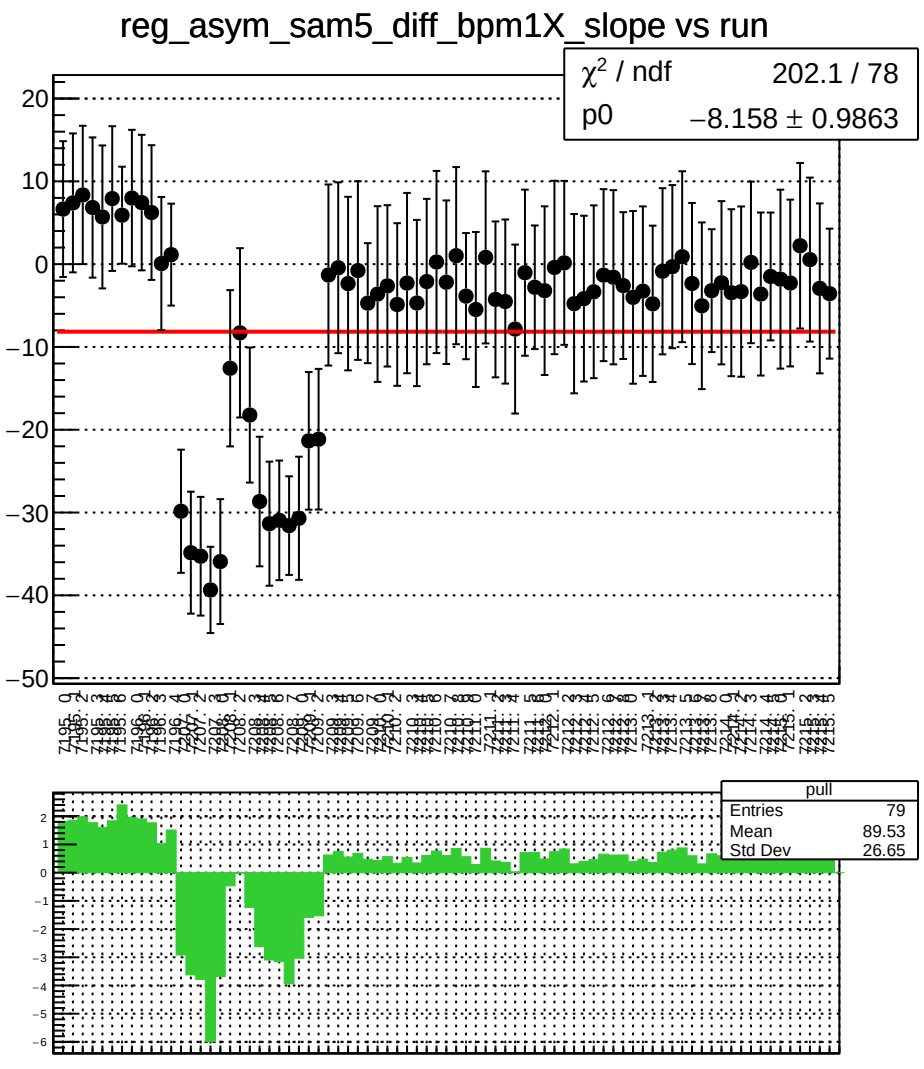

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 194 / 78
p0 28.4 ± 1.346
pull
Entries 79
Mean 1114
Std Dev 1071

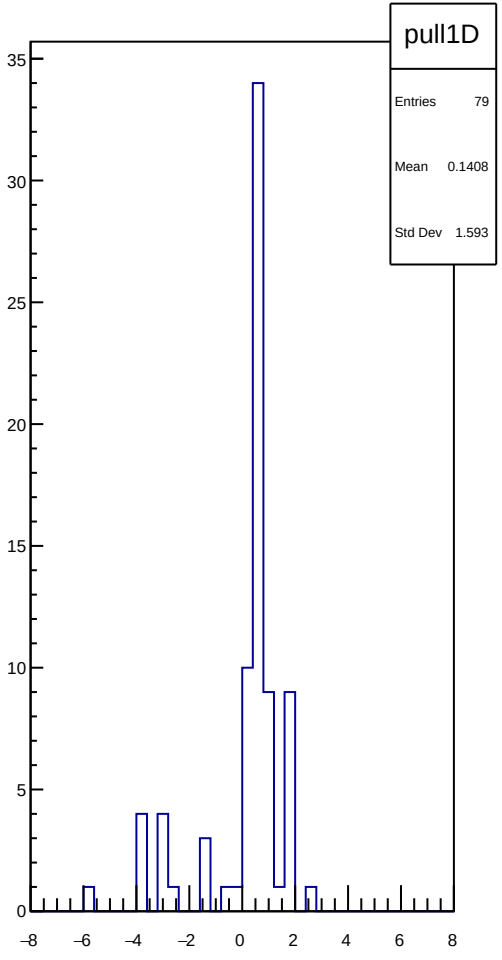

pull1D
Entries 79
Mean −0.0119
Std Dev 1.567

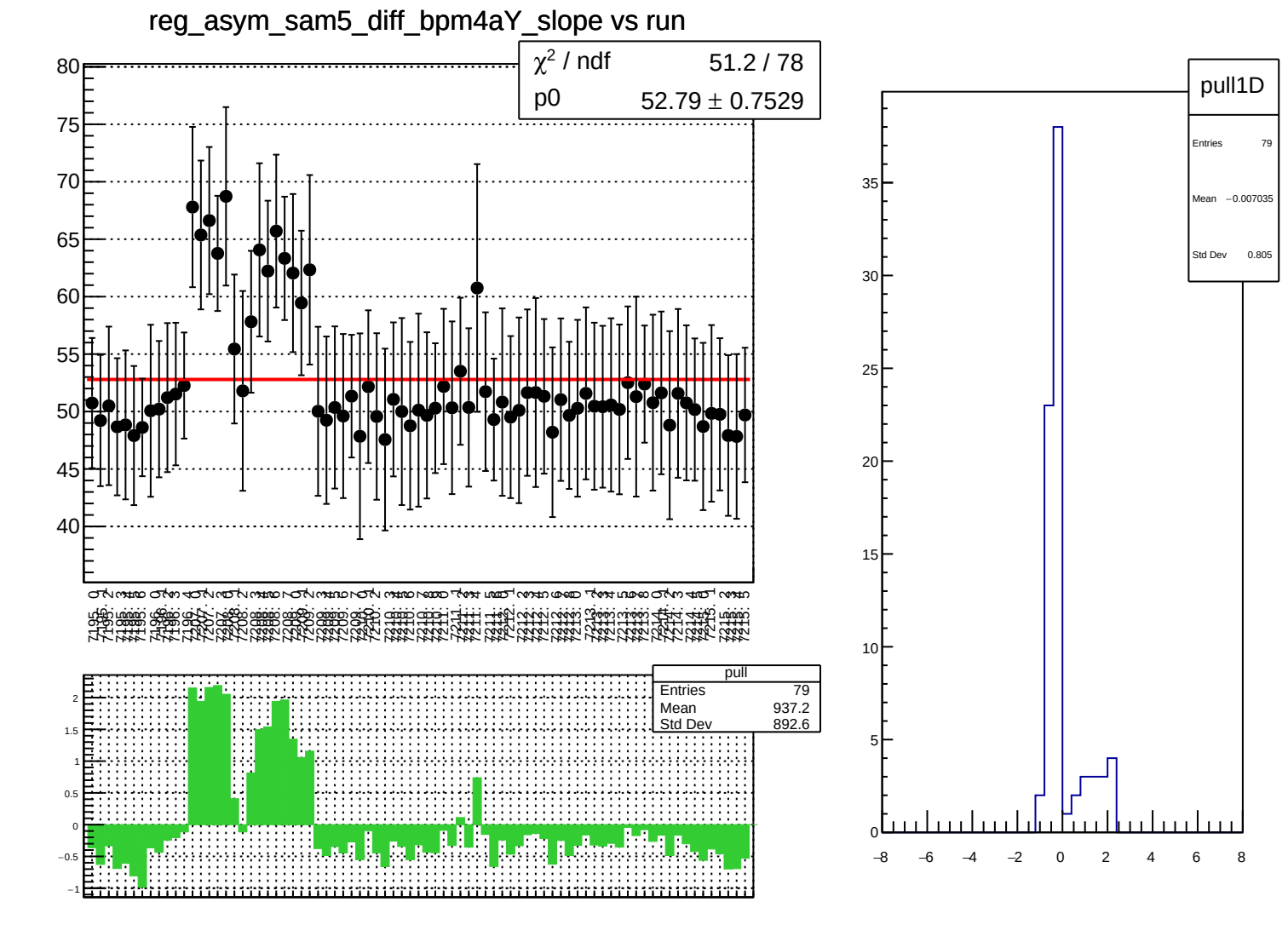

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 695.1 / 78
p0 −83.91± 1.78
pull
Entries 79
Mean 108.4
Std Dev 59.72
pull1D
Entries 79
Mean −0.5615
Std Dev 2.486

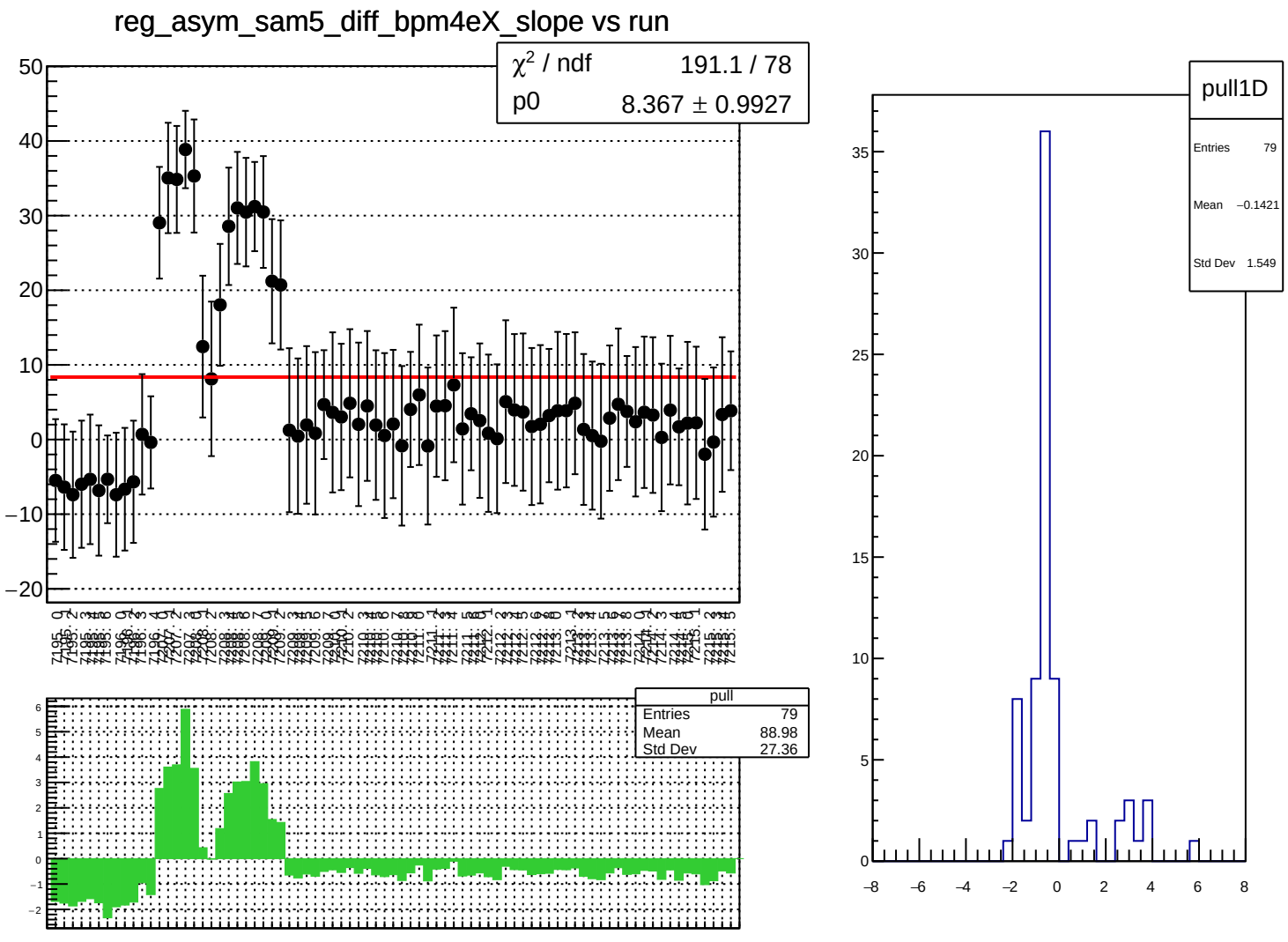

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 177.3 / 78
p0 167 ± 1.495
pull
Entries 79
Mean 446.8
Std Dev 400.4
pull1D
Entries 79
Mean 0.02545
Std Dev 1.498

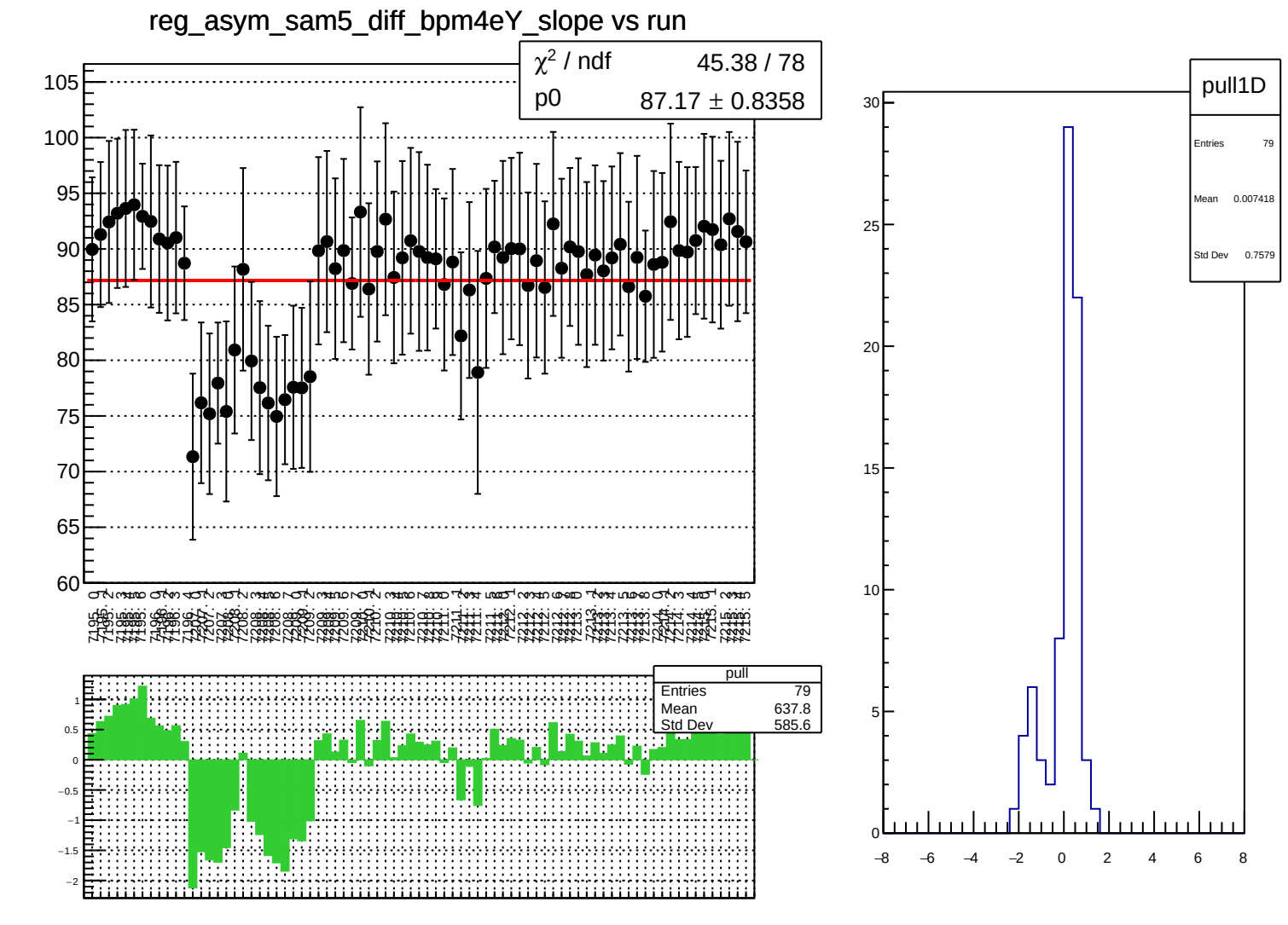

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 116.3 / 78
p0 −0.8158 ± 0.06255
pull
Entries 79
Mean 295.5
Std Dev 269.5
pull1D
Entries 79
Mean −0.03838
Std Dev 1.213

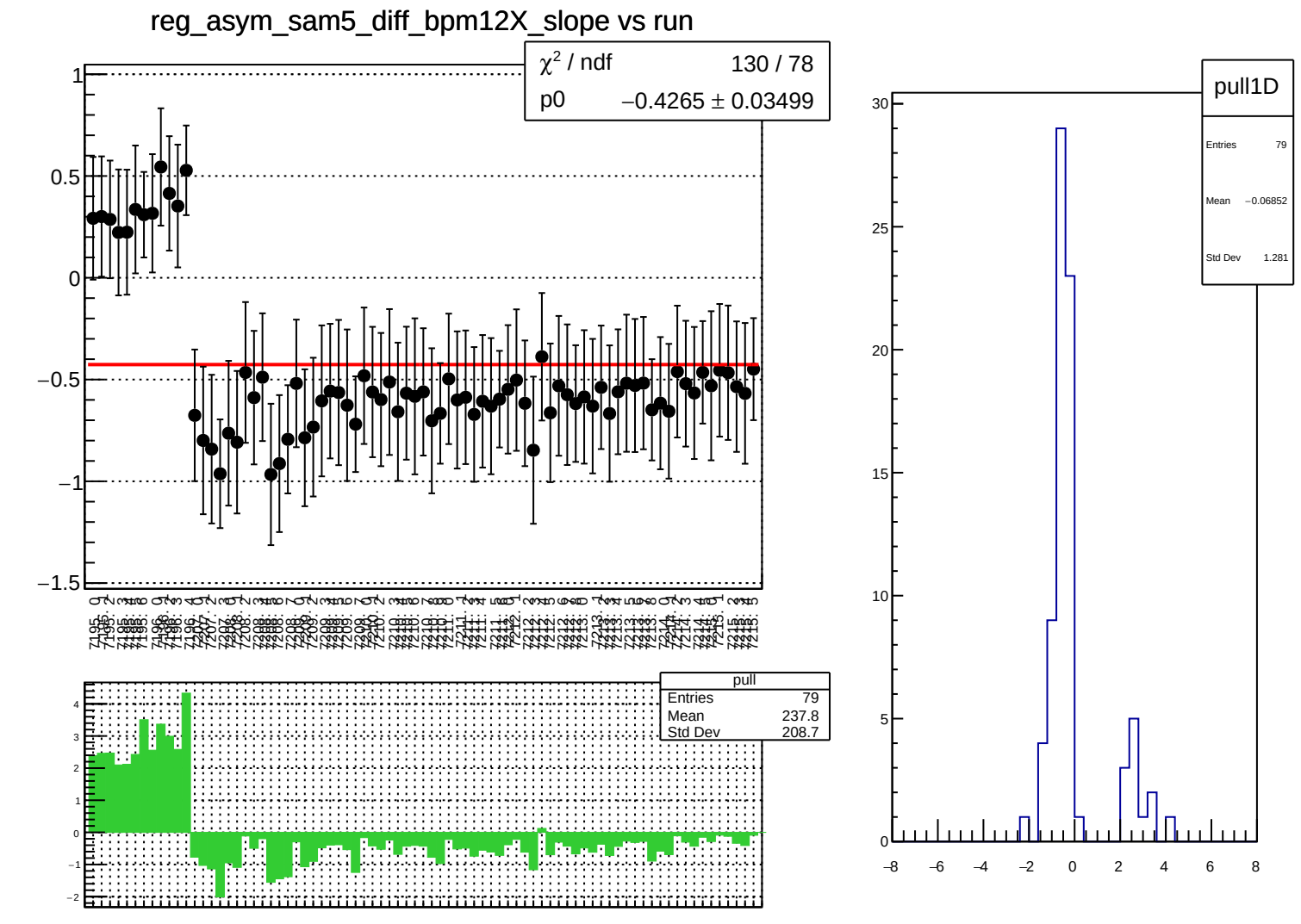

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 202.1 / 78
p0 −8.158 ± 0.9863
pull
Entries 79
Mean 89.53
Std Dev 26.65

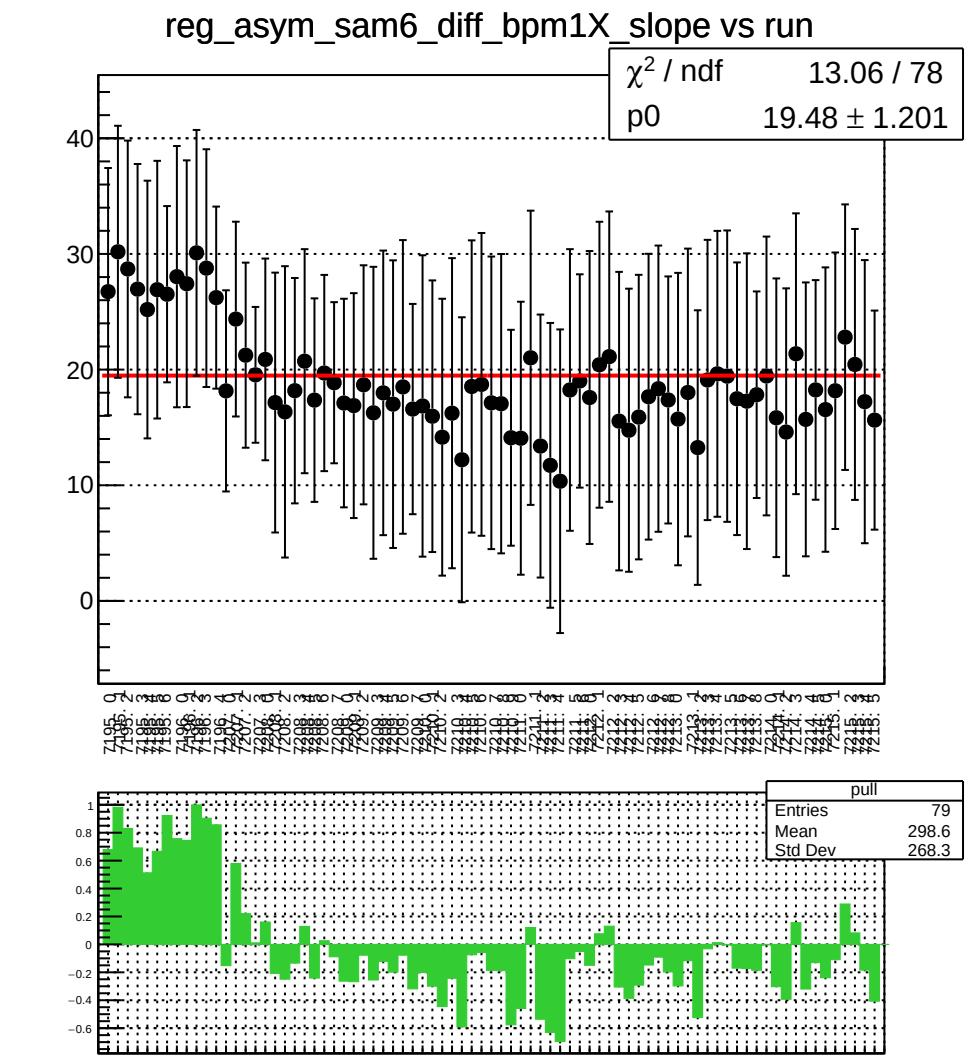

pull1D
Entries 79
Mean 0.1408
Std Dev 1.593

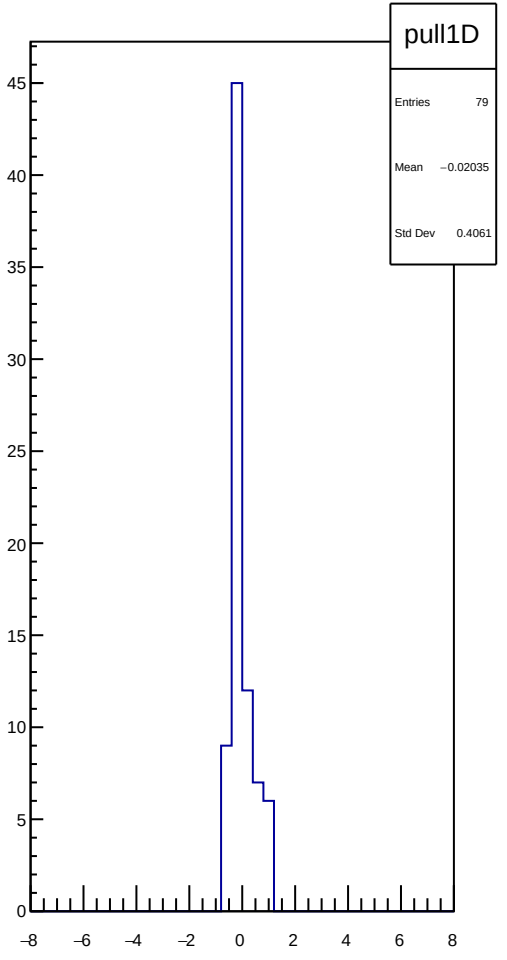

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 51.2 / 78
p0 52.79 ± 0.7529
pull
Entries 79
Mean 937.2
Std Dev 892.6
pull1D
Entries 79
Mean −0.007035
Std Dev 0.805

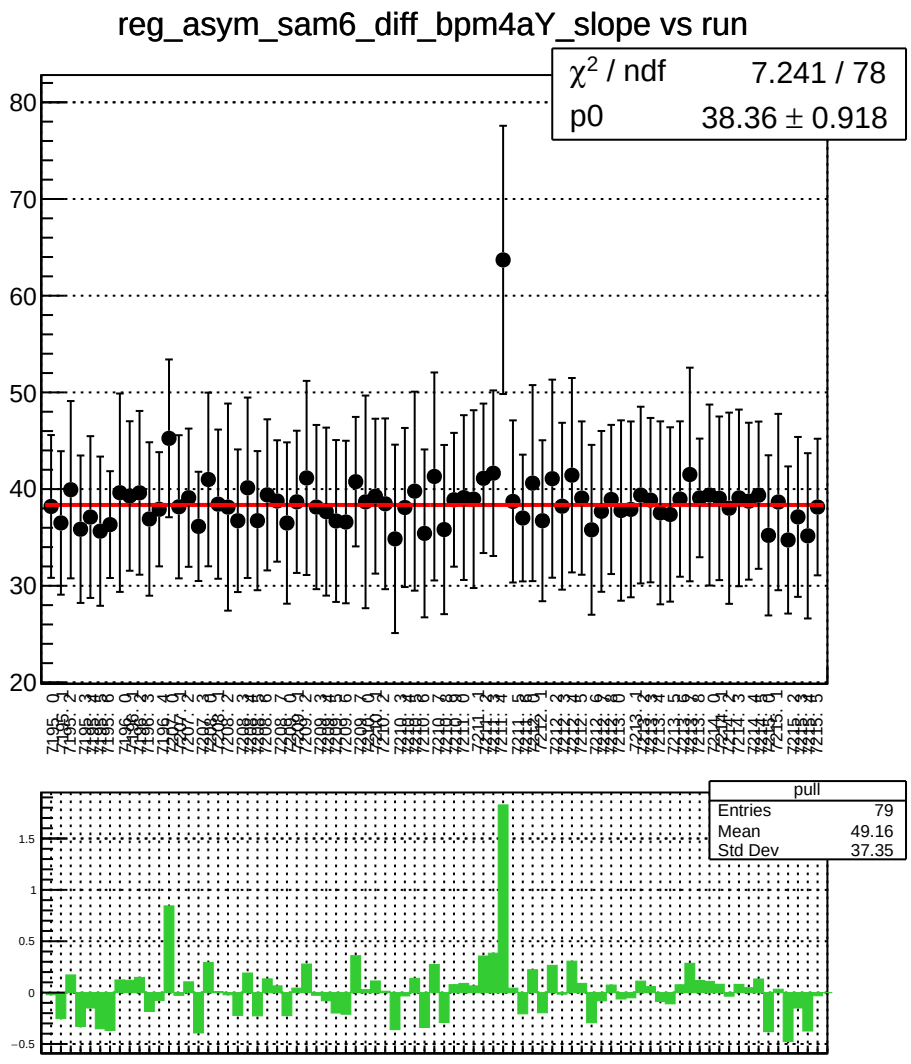

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 191.1 / 78
p0 8.367 ± 0.9927
pull
Entries 79
Mean 88.98
Std Dev 27.36
pull1D
Entries 79
Mean −0.1421
Std Dev 1.549

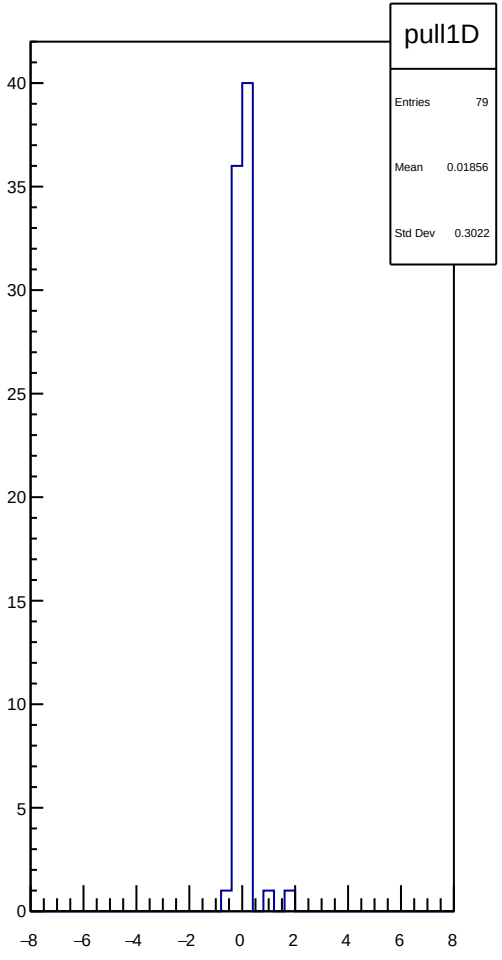

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 45.38 / 78
p0 87.17 ± 0.8358
pull
Entries 79
Mean 637.8
Std Dev 585.6
pull1D
Entries 79
Mean 0.007418
Std Dev 0.7579

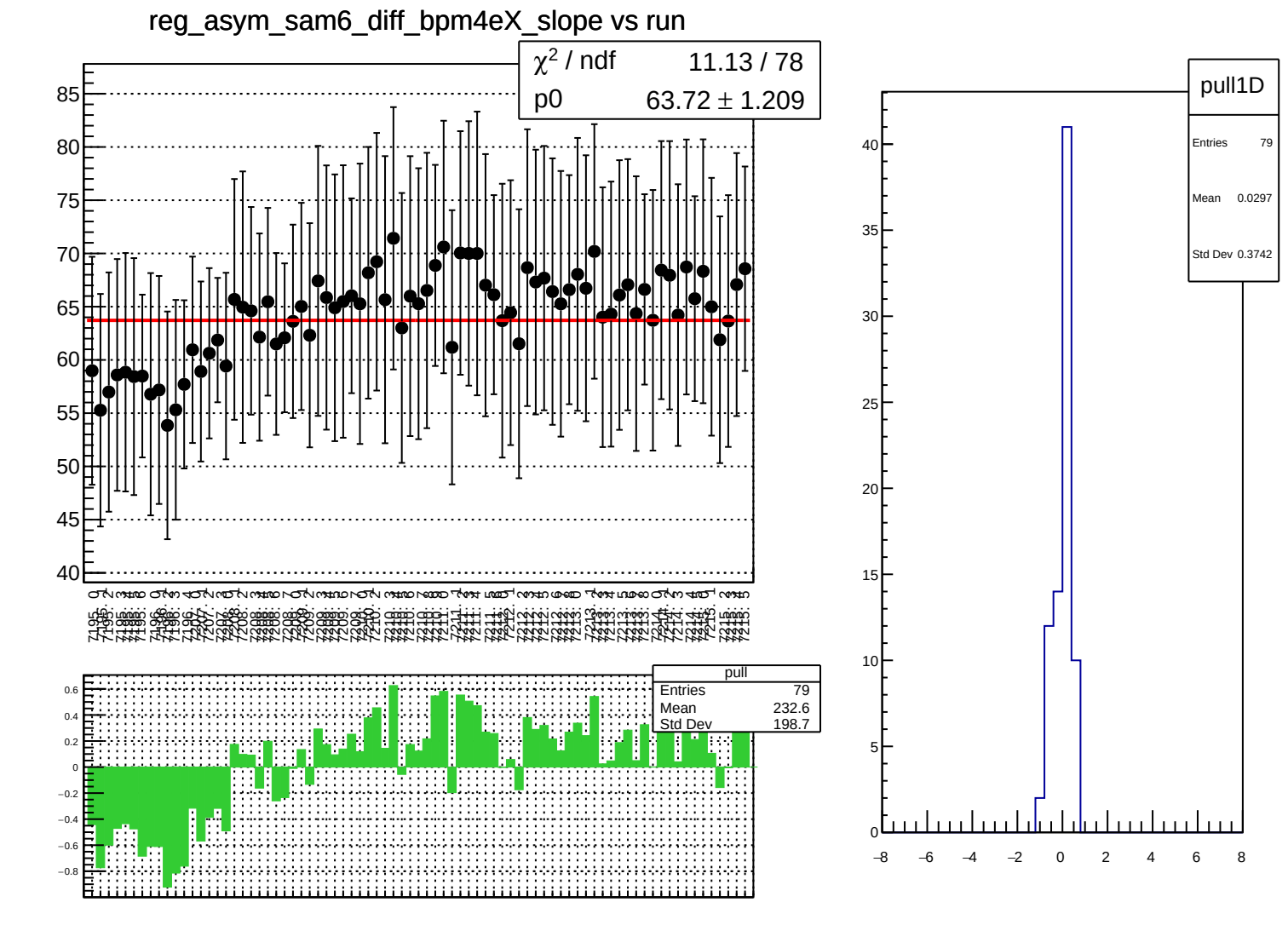

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 130 / 78
p0 −0.4265 ± 0.03499
pull
Entries 79
Mean 237.8
Std Dev 208.7
pull1D
Entries 79
Mean −0.06852
Std Dev 1.281

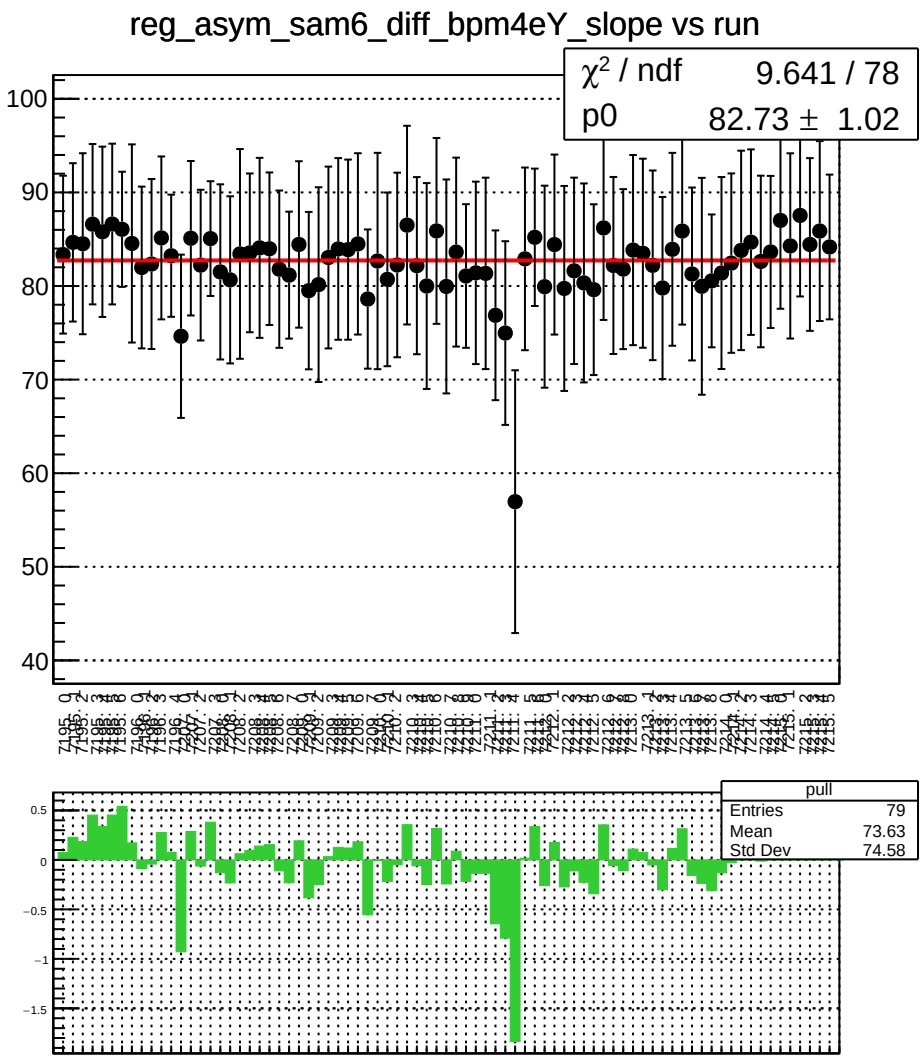

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 13.06 / 78
p0 19.48 ± 1.201
pull
Entries 79
Mean 298.6
Std Dev 268.3

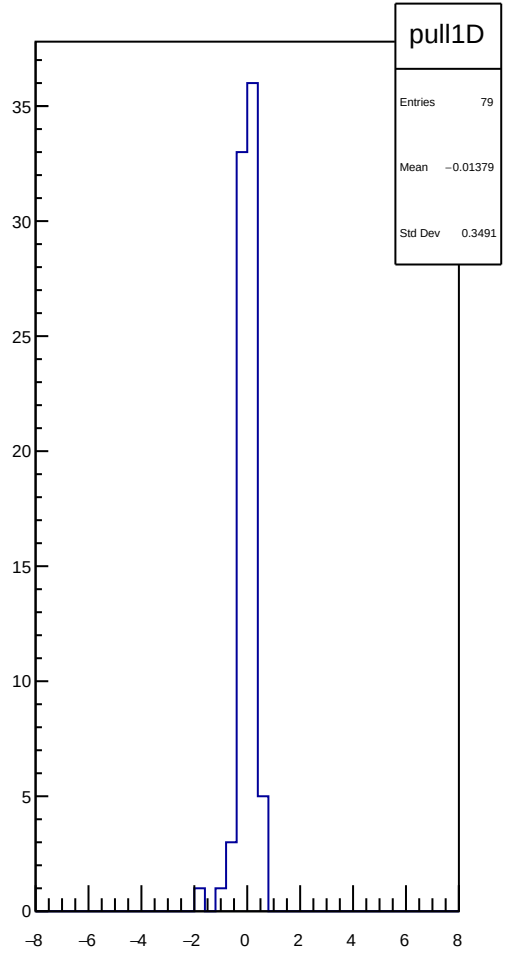

pull1D
Entries 79
Mean −0.02035
Std Dev 0.4061

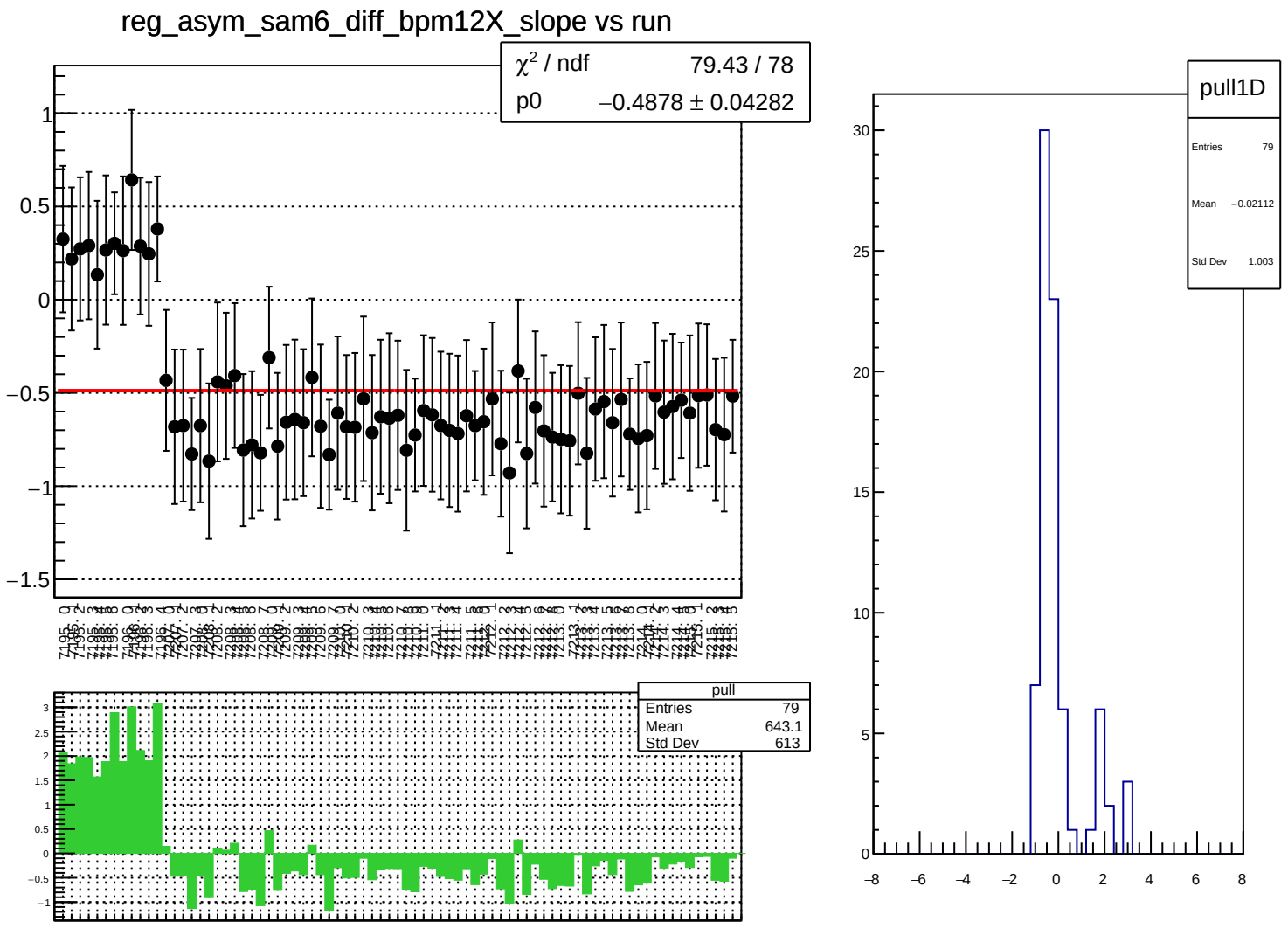

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 7.241 / 78
p0 38.36 ± 0.918
pull
Entries 79
Mean 49.16
Std Dev 37.35

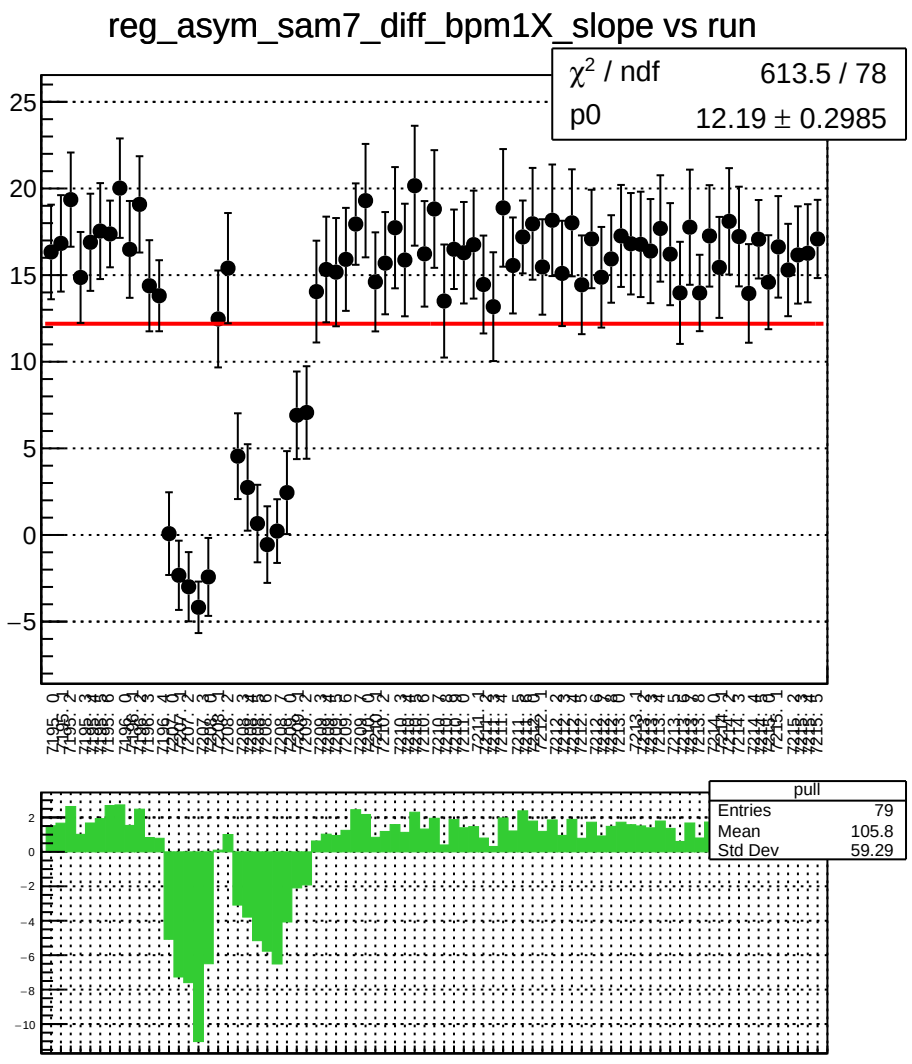

pull1D
Entries 79
Mean 0.01856
Std Dev 0.3022

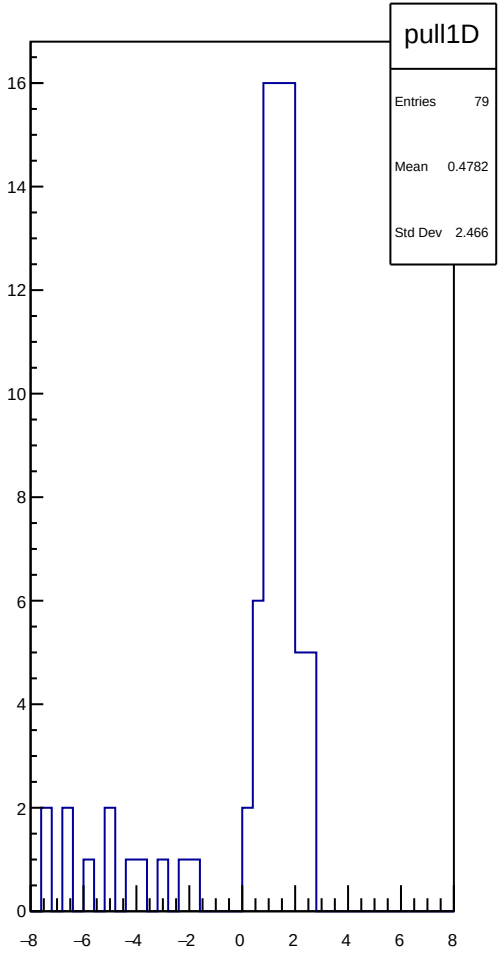

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 11.13 / 78
p0 63.72 ± 1.209
pull
Entries 79
Mean 232.6
Std Dev 198.7
pull1D
Entries 79
Mean 0.0297
Std Dev 0.3742

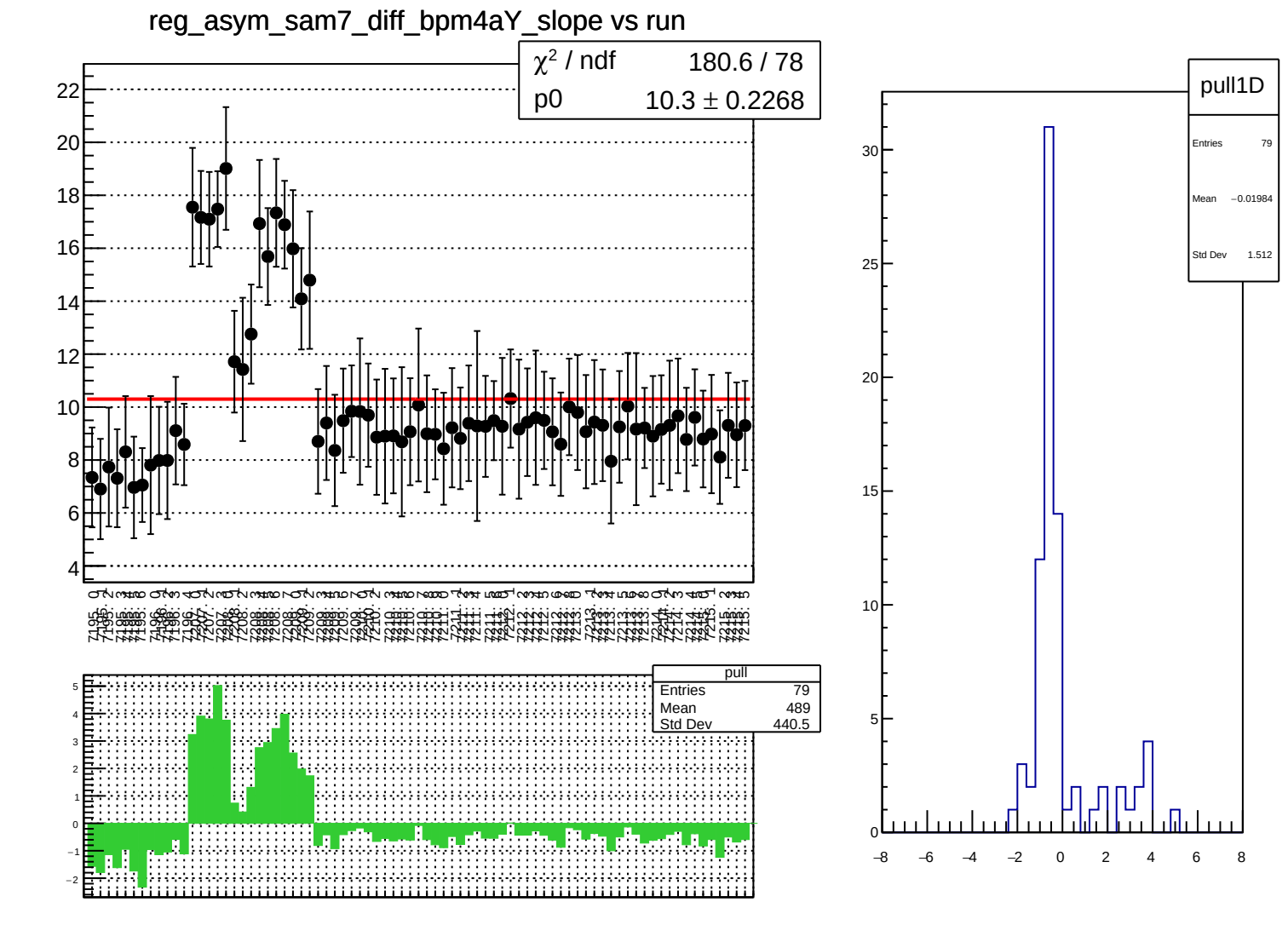

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 9.641 / 78
p0 82.73 ± 1.02
pull
Entries 79
Mean 73.63
Std Dev 74.58

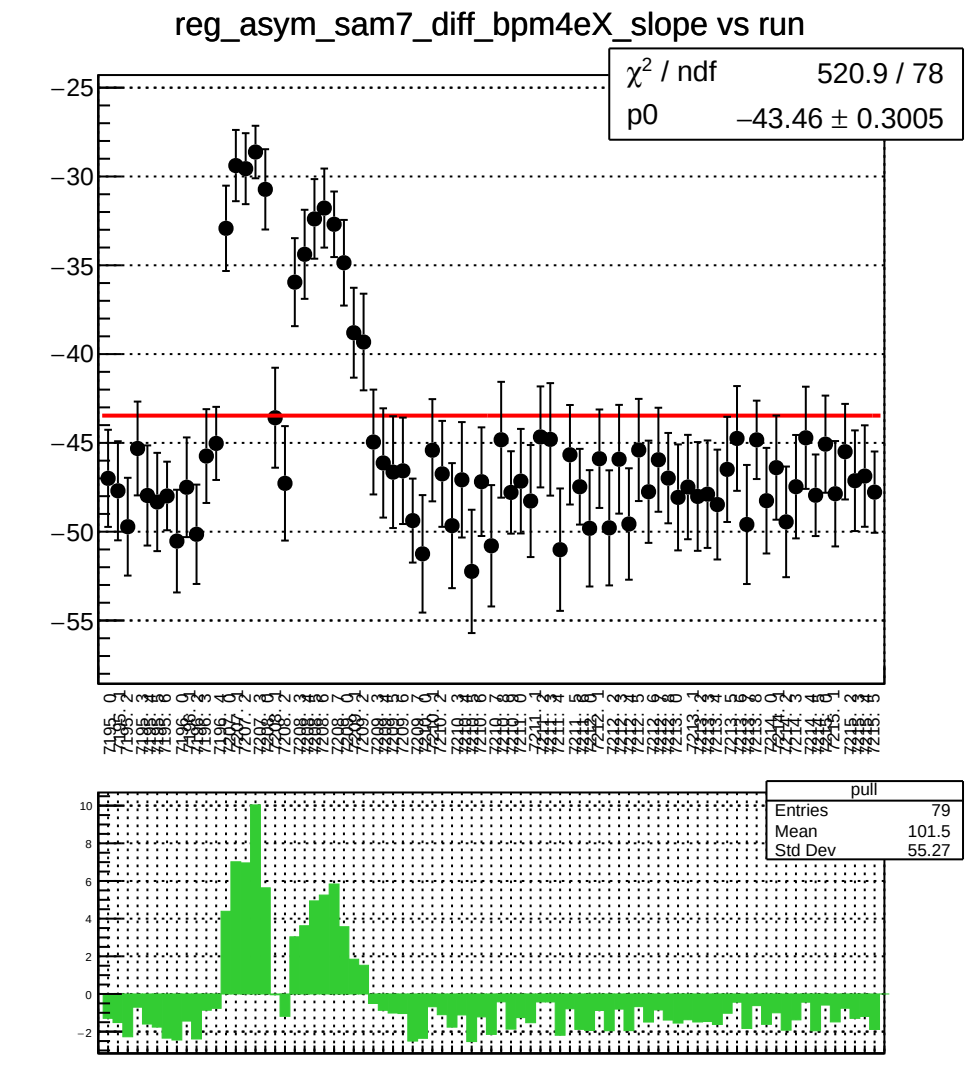

pull1D
Entries 79
Mean −0.01379
Std Dev 0.3491

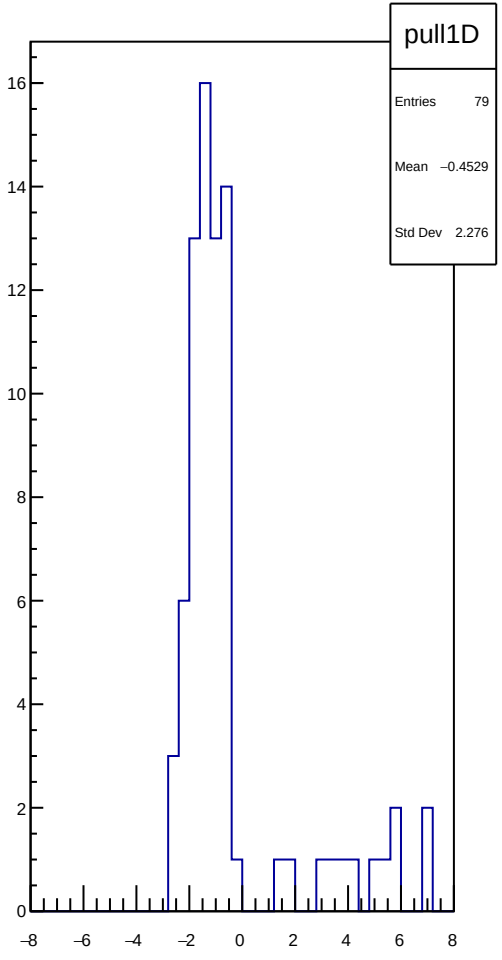

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 79.43 / 78
p0 −0.4878 ± 0.04282
pull
Entries 79
Mean 643.1
Std Dev 613
pull1D
Entries 79
Mean −0.02112
Std Dev 1.003

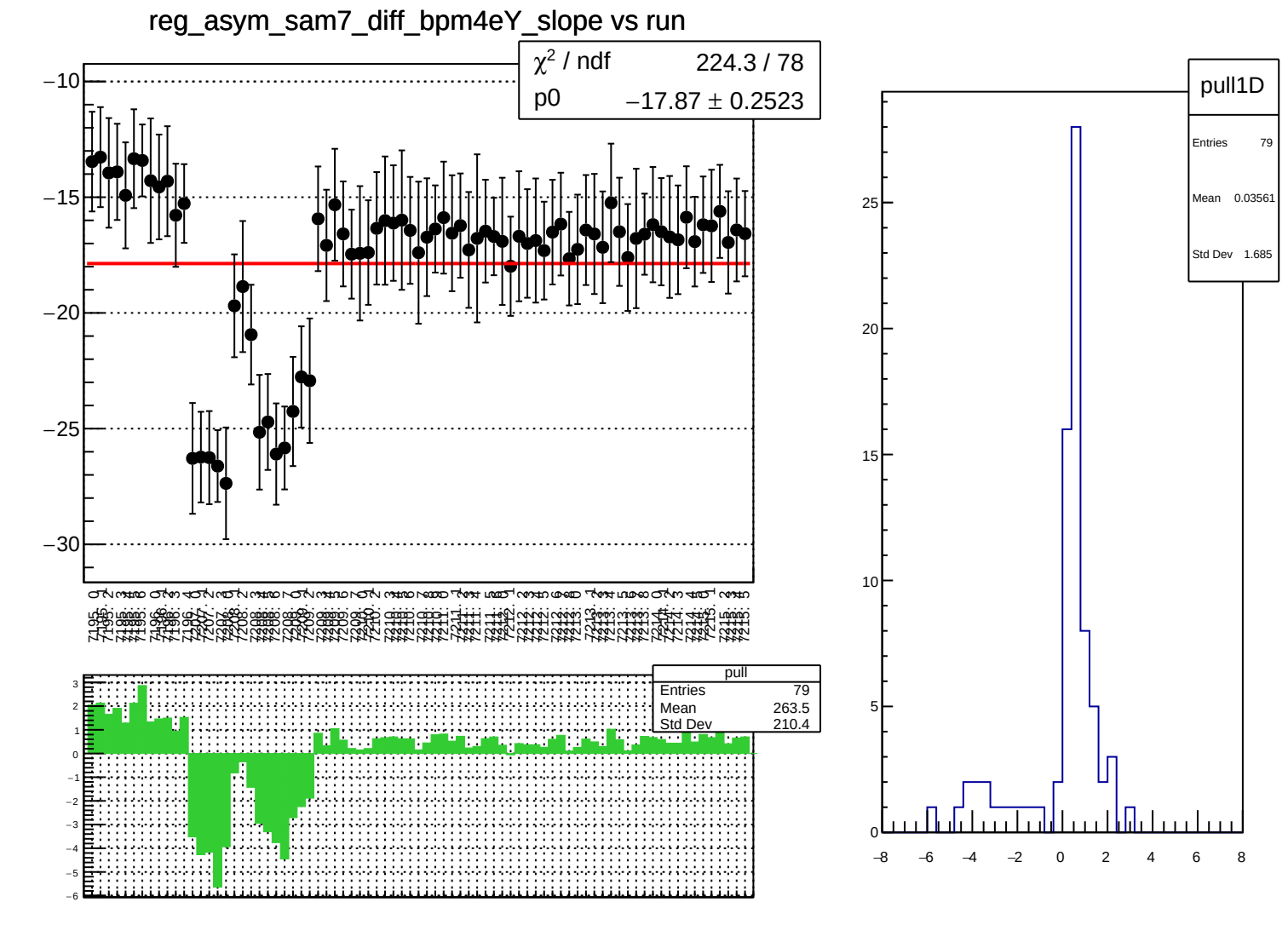

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 613.5 / 78
p0 12.19 ± 0.2985
pull
Entries 79
Mean 105.8
Std Dev 59.29

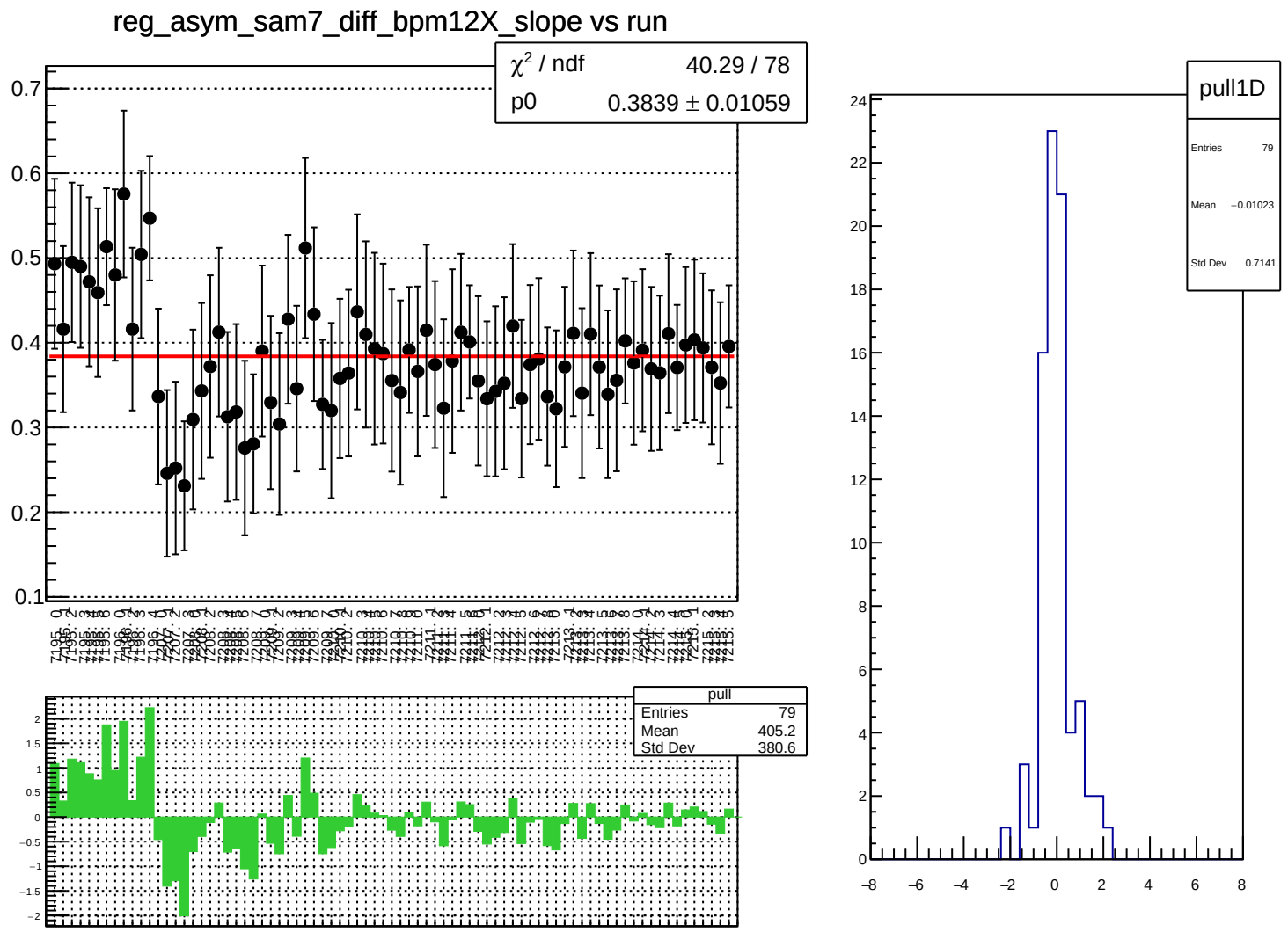

pull1D
Entries 79
Mean 0.4782
Std Dev 2.466

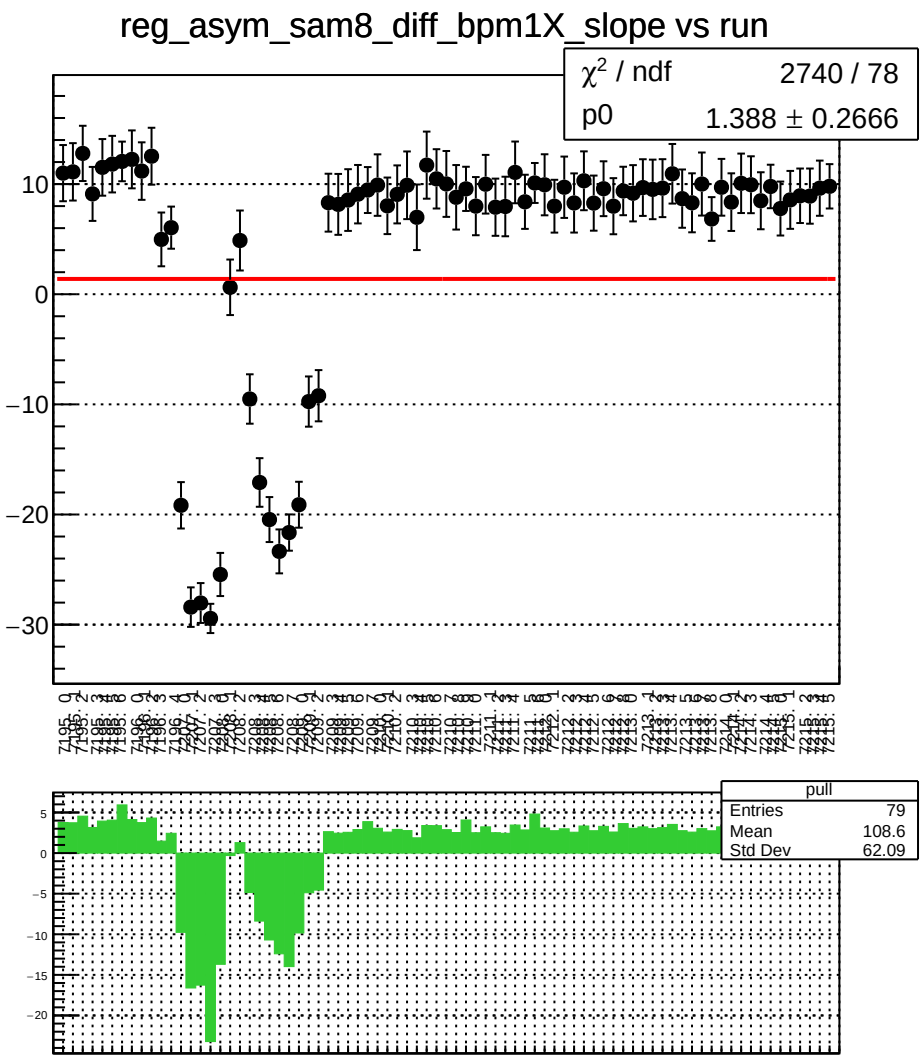

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 180.6 / 78
p0 10.3 ± 0.2268
pull
Entries 79
Mean 489
Std Dev 440.5
pull1D
Entries 79
Mean −0.01984
Std Dev 1.512

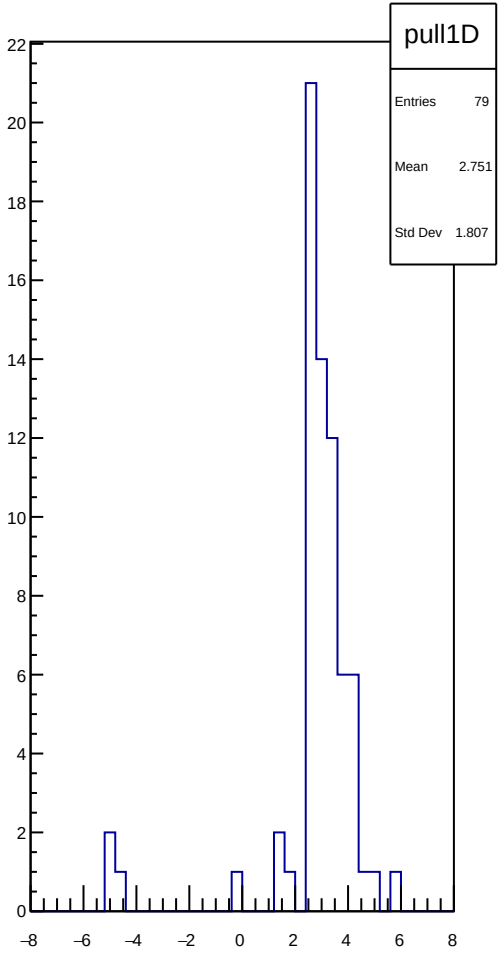

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 520.9 / 78
p0 −43.46 ± 0.3005
pull
Entries 79
Mean 101.5
Std Dev 55.27

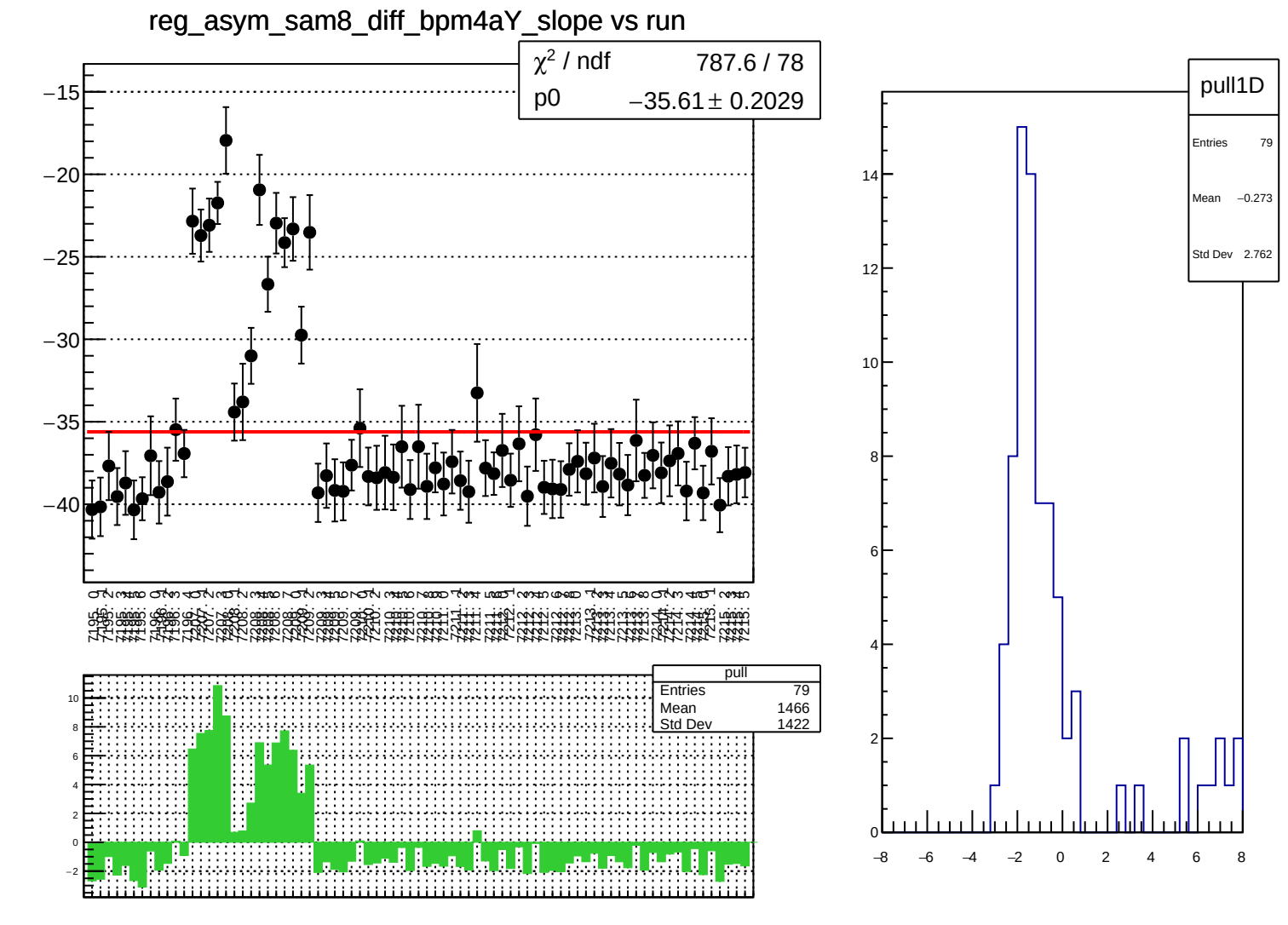

pull1D
Entries 79
Mean −0.4529
Std Dev 2.276

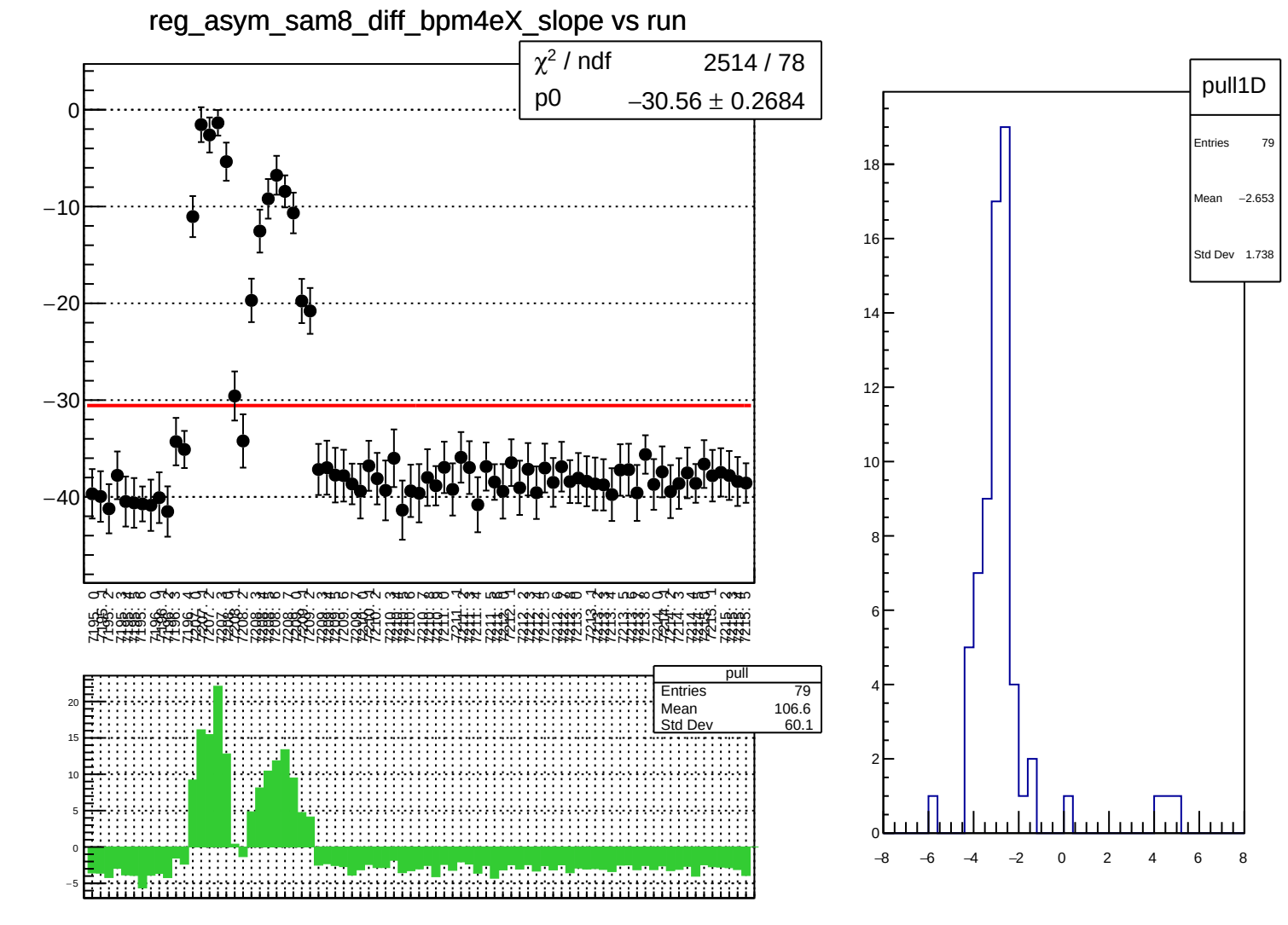

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 224.3 / 78
p0 −17.87 ± 0.2523
pull
Entries 79
Mean 263.5
Std Dev 210.4
pull1D
Entries 79
Mean 0.03561
Std Dev 1.685

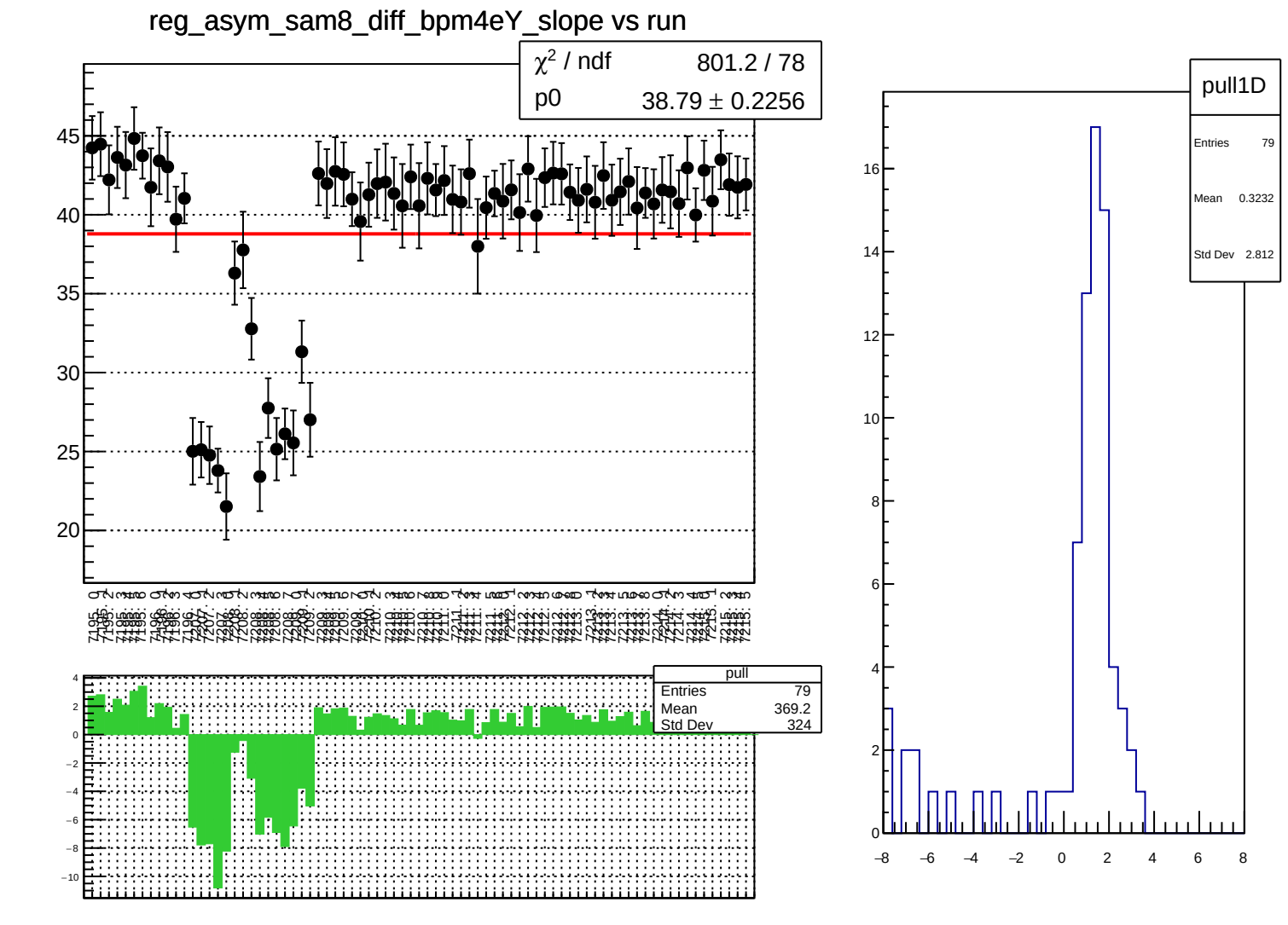

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 40.29 / 78
p0 0.3839 ± 0.01059
pull
Entries 79
Mean 405.2
Std Dev 380.6
pull1D
Entries 79
Mean −0.01023
Std Dev 0.7141

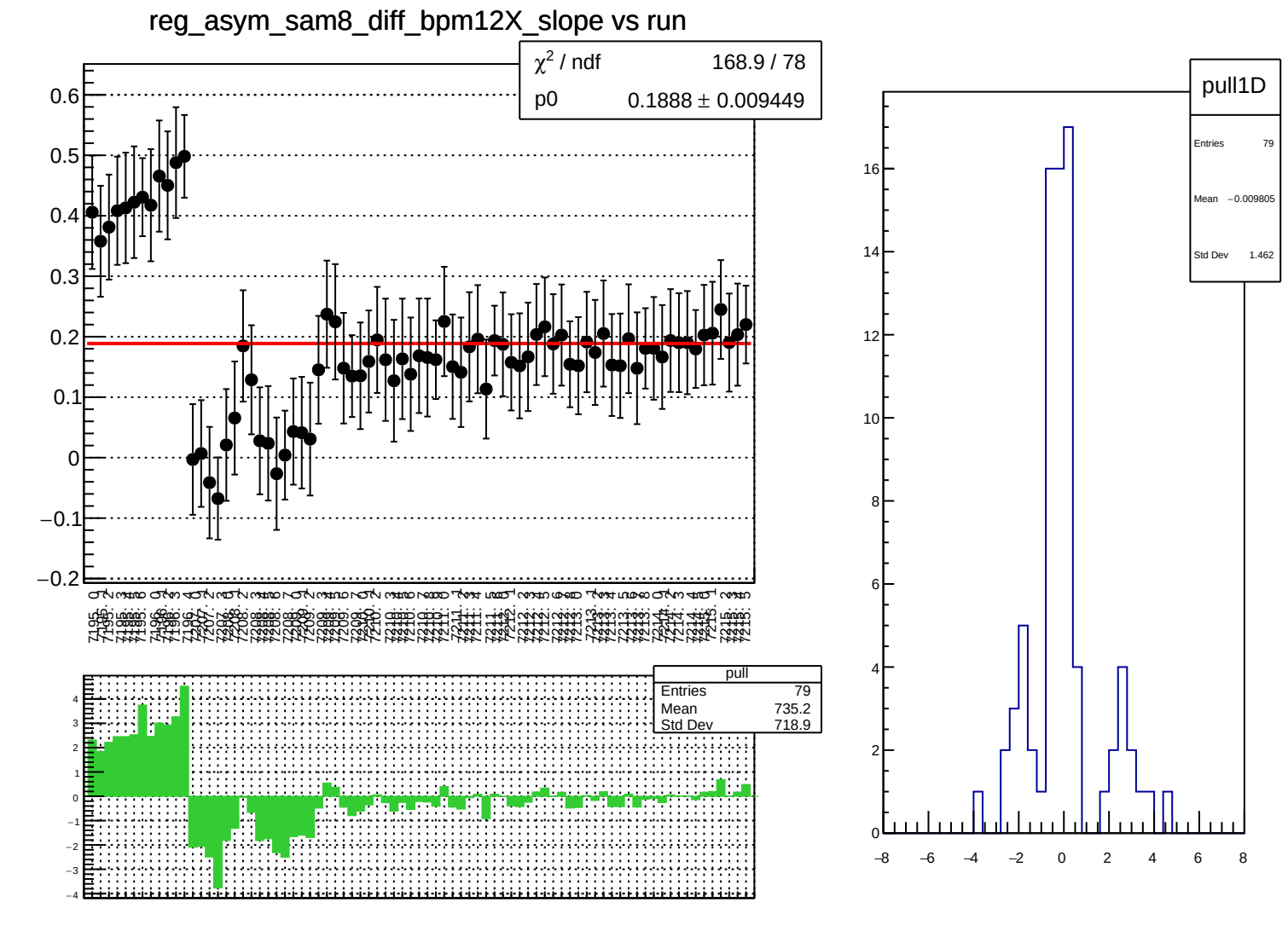

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 2740 / 78
p0 1.388 ± 0.2666
pull
Entries 79
Mean 108.6
Std Dev 62.09

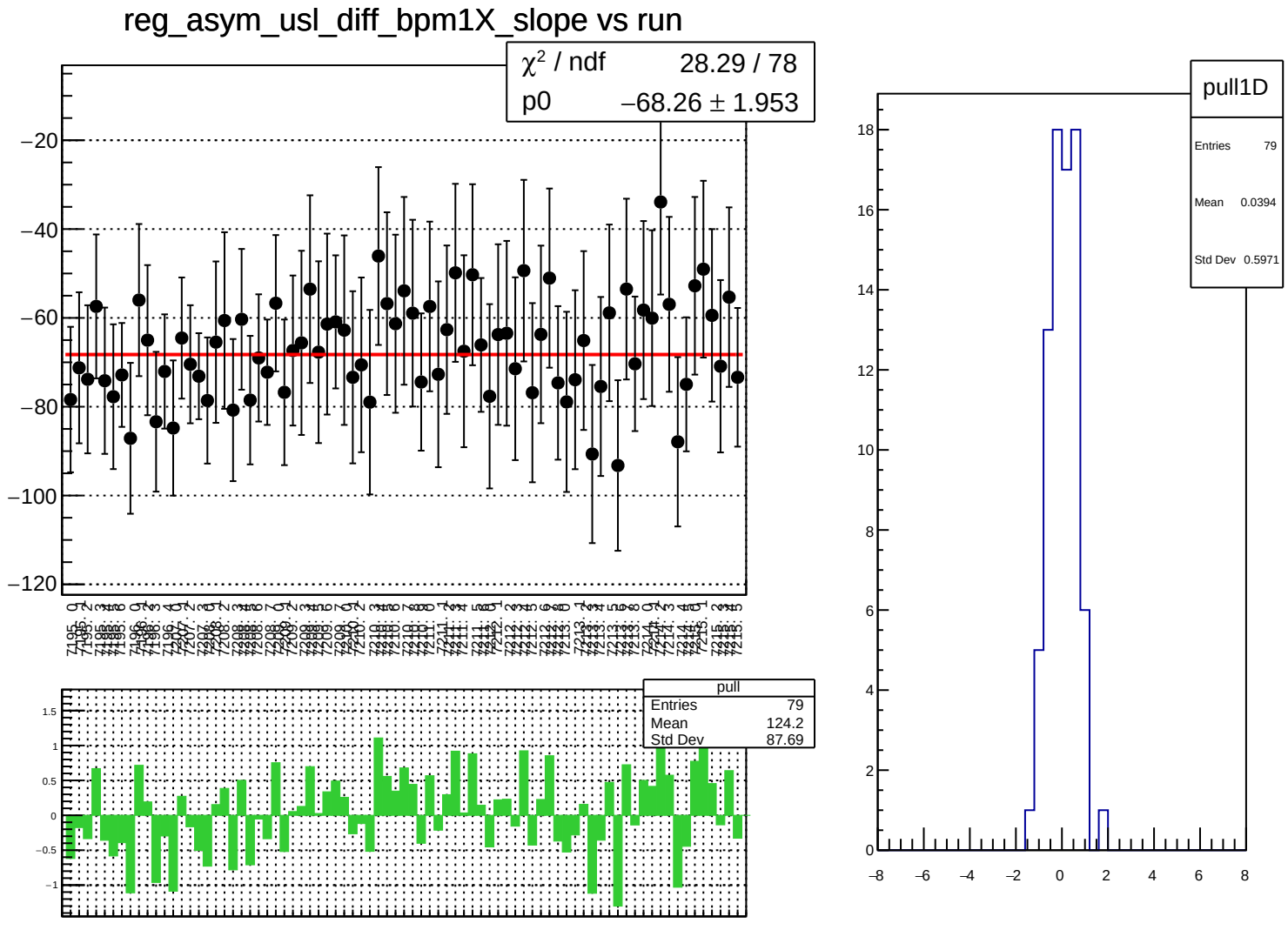

pull1D
Entries 79
Mean 2.751
Std Dev 1.807

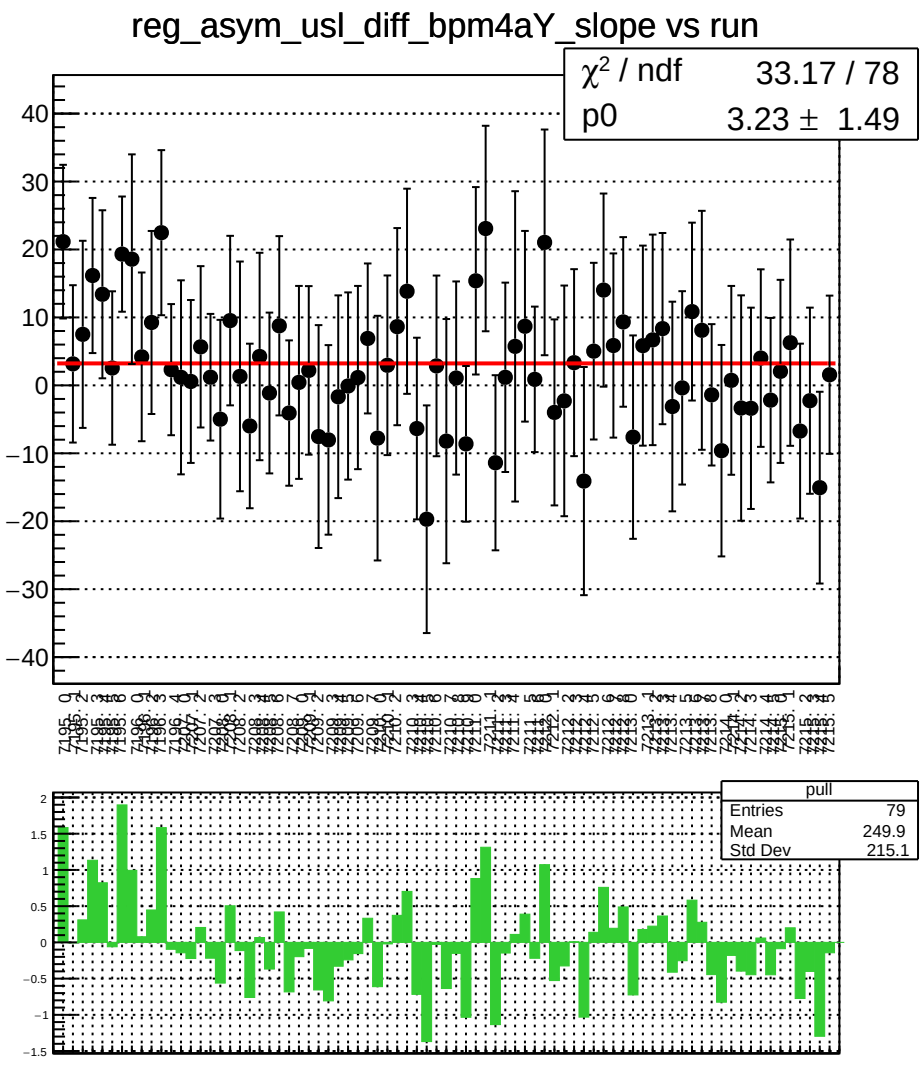

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 787.6 / 78
p0 −35.61 ± 0.2029
pull
Entries 79
Mean 1466
Std Dev 1422
pull1D
Entries 79
Mean −0.273
Std Dev 2.762

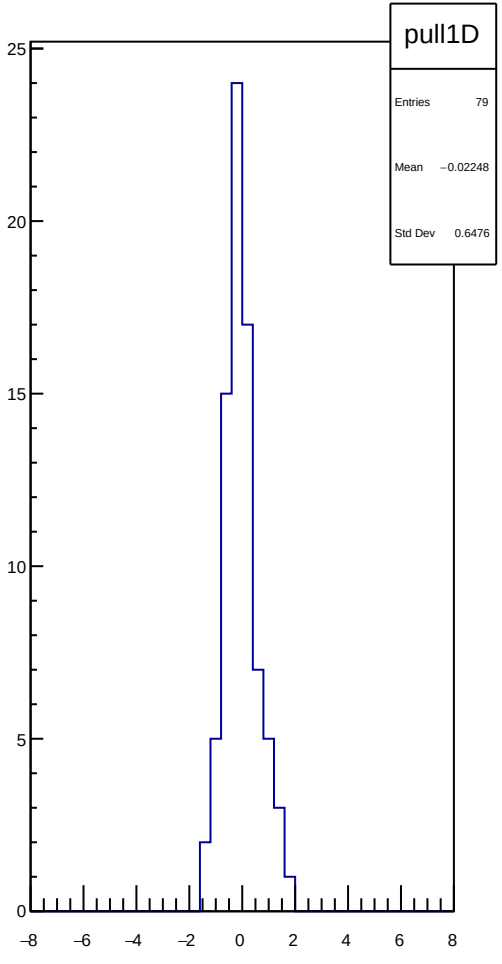

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 2514 / 78
p0 −30.56 ± 0.2684
pull
Entries 79
Mean 106.6
Std Dev 60.1
pull1D
Entries 79
Mean −2.653
Std Dev 1.738

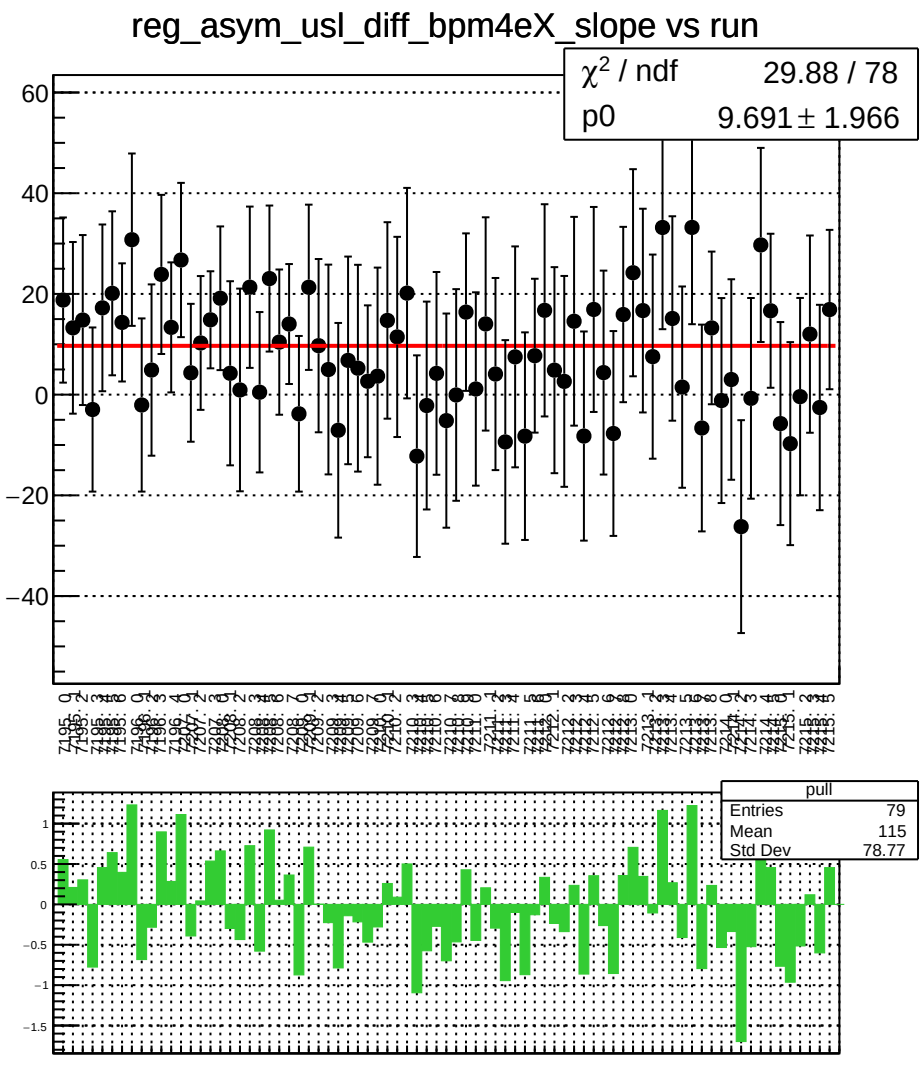

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 801.2 / 78
p0 38.79 ± 0.2256
pull
Entries 79
Mean 369.2
Std Dev 324
pull1D
Entries 79
Mean 0.3232
Std Dev 2.812

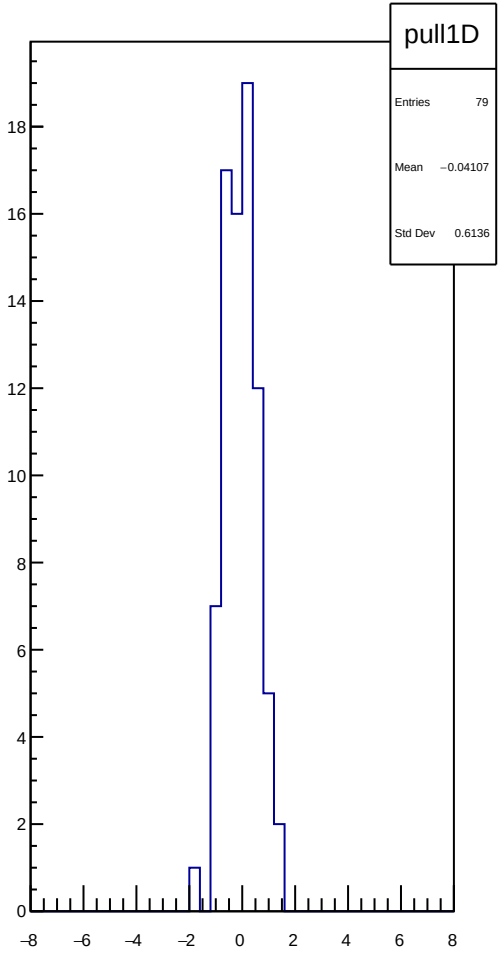

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 168.9 / 78
p0 0.1888 ± 0.009449
pull
Entries 79
Mean 735.2
Std Dev 718.9
pull1D
Entries 79
Mean −0.009805
Std Dev 1.462

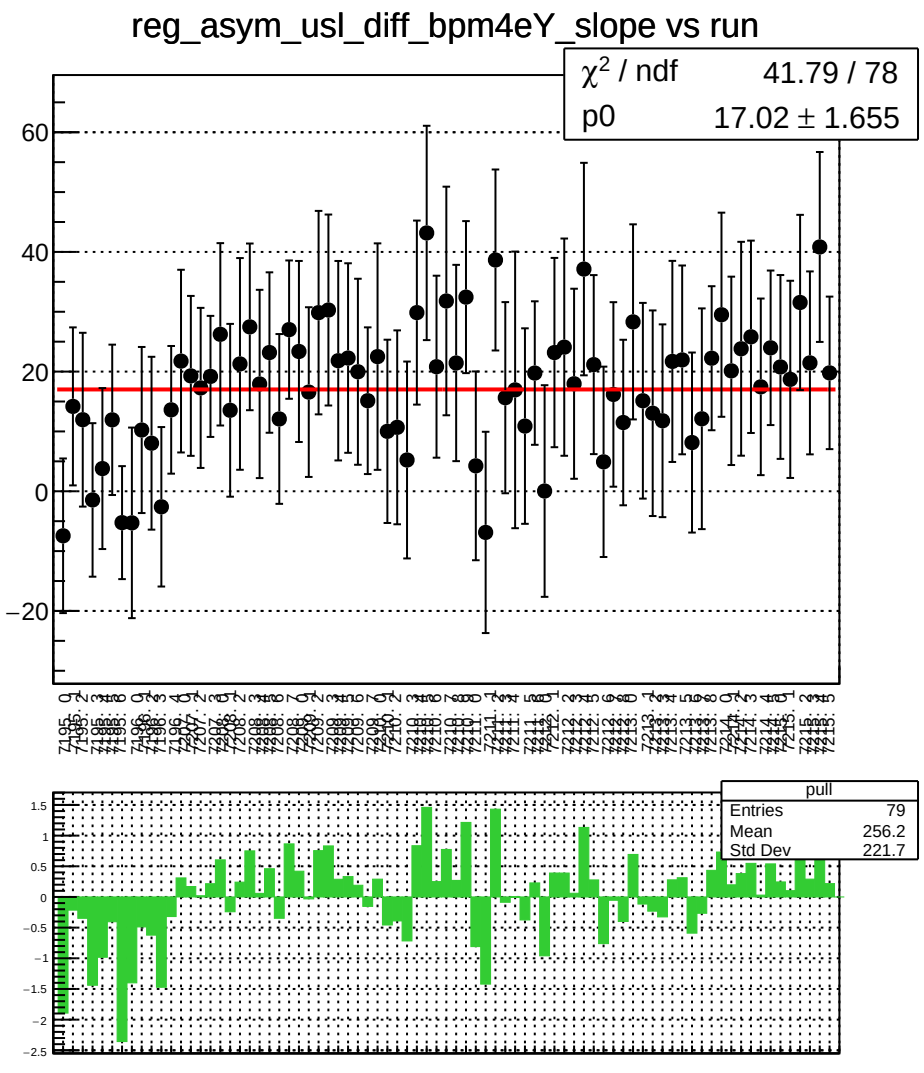

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 28.29 / 78
p0 −68.26 ± 1.953
−20
−40
−60
−80
−100
−120
pull
Entries 79
Mean 124.2
Std Dev 87.69
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 79
Mean 0.0394
Std Dev 0.5971
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

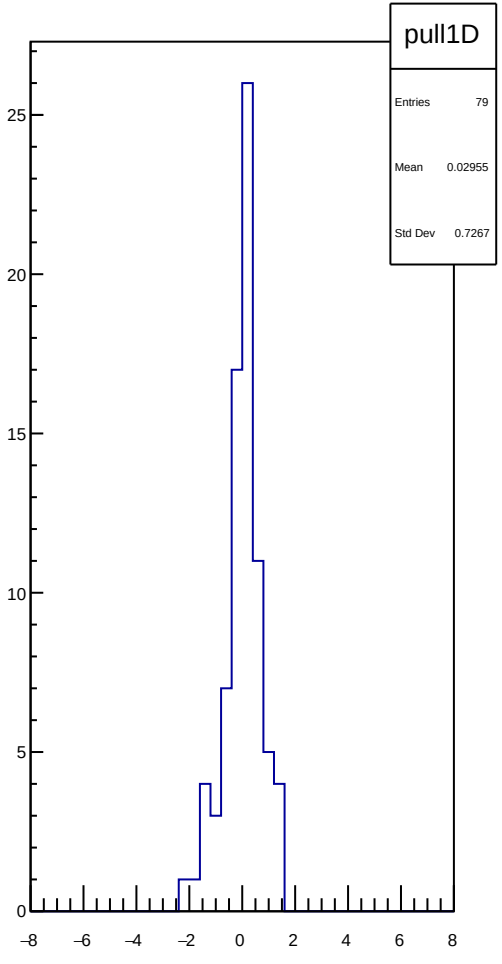

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 33.17 / 78
p0 3.23 ± 1.49
pull
Entries 79
Mean 249.9
Std Dev 215.1

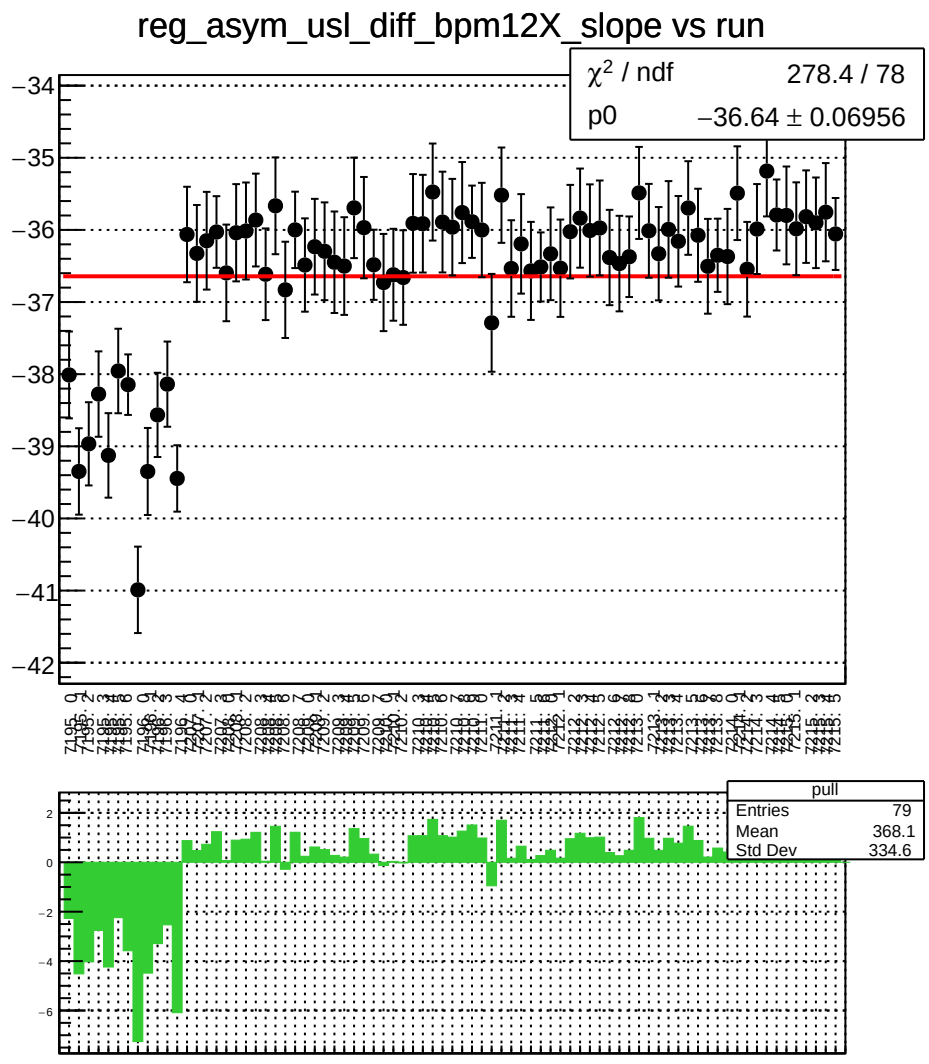

pull1D
Entries 79
Mean −0.02248
Std Dev 0.6476

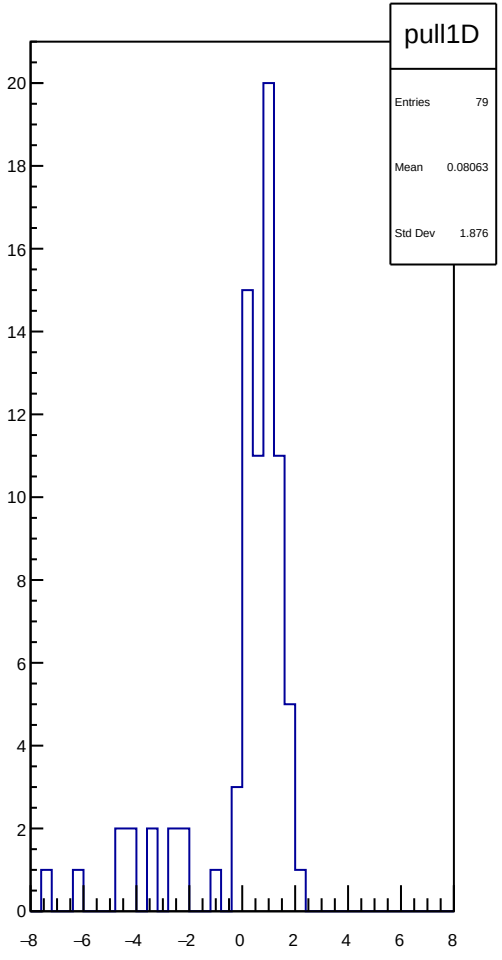

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 29.88 / 78
p0 9.691 ± 1.966
pull
Entries 79
Mean 115
Std Dev 78.77

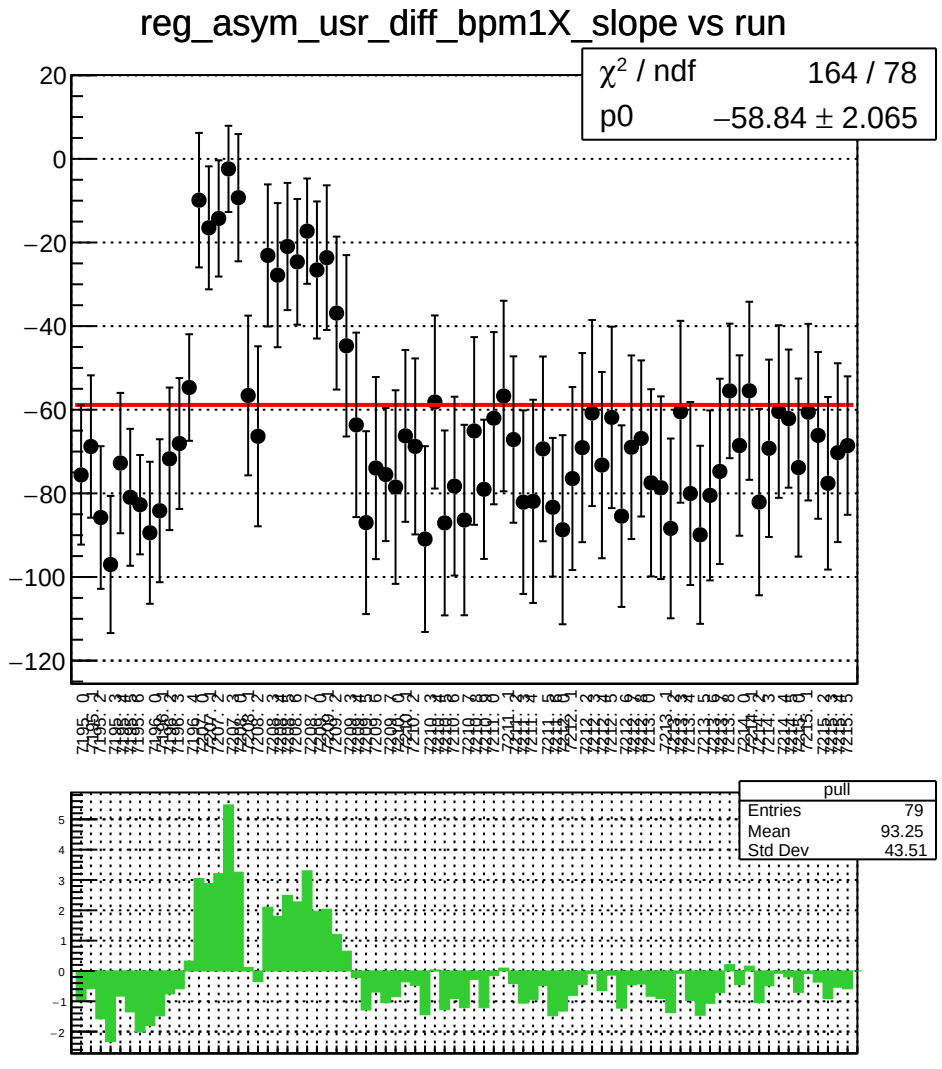

pull1D
Entries 79
Mean −0.04107
Std Dev 0.6136

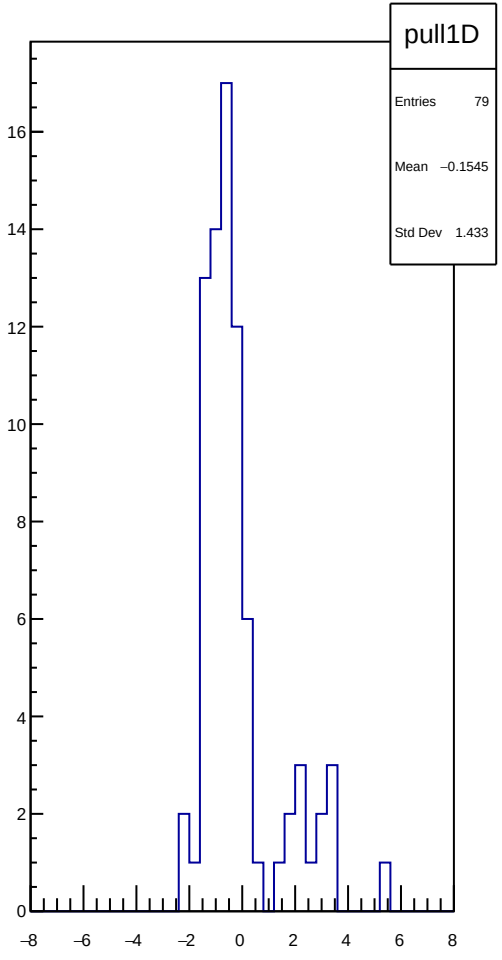

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 41.79 / 78
p0 17.02 ± 1.655
pull
Entries 79
Mean 256.2
Std Dev 221.7

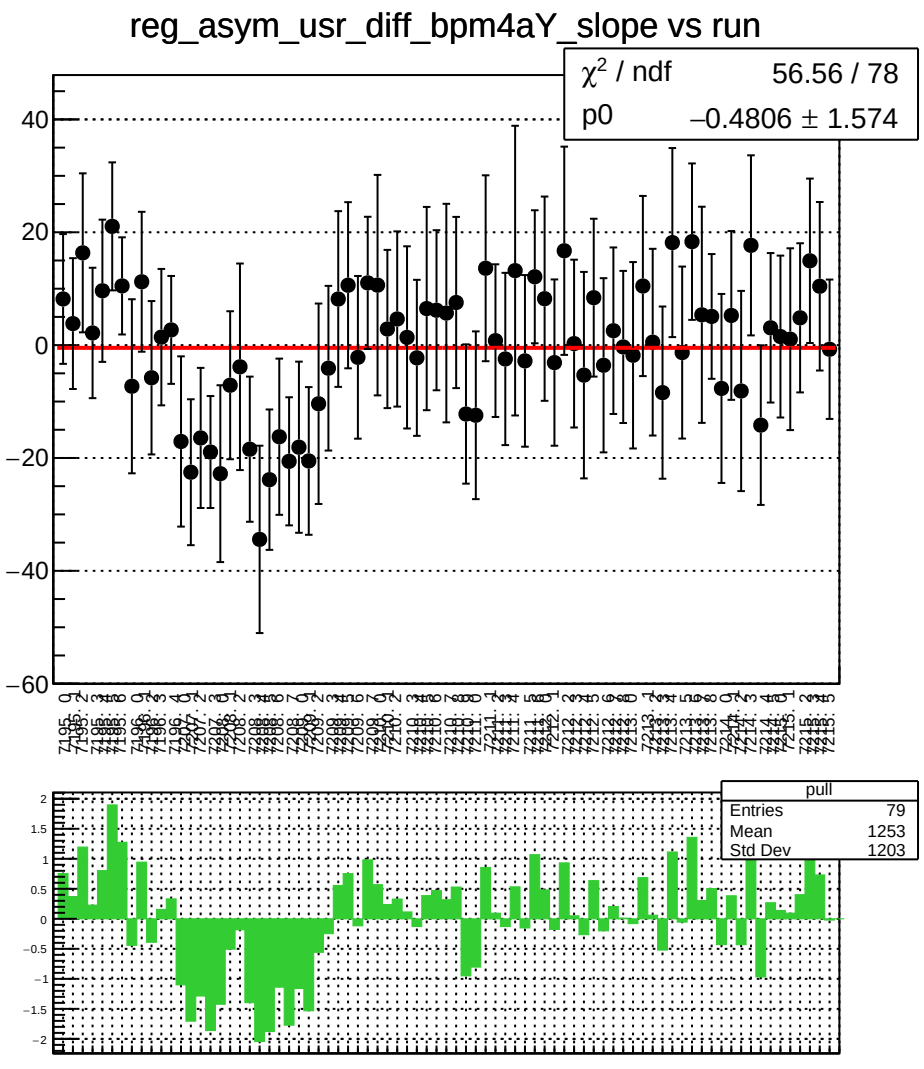

pull1D
Entries 79
Mean 0.02955
Std Dev 0.7267

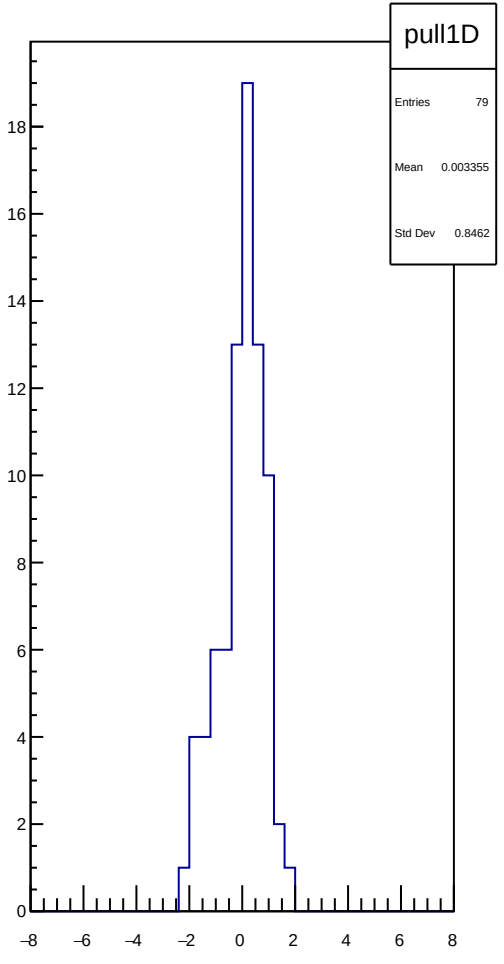

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 278.4 / 78
p0 −36.64 ± 0.06956
pull
Entries 79
Mean 368.1
Std Dev 334.6

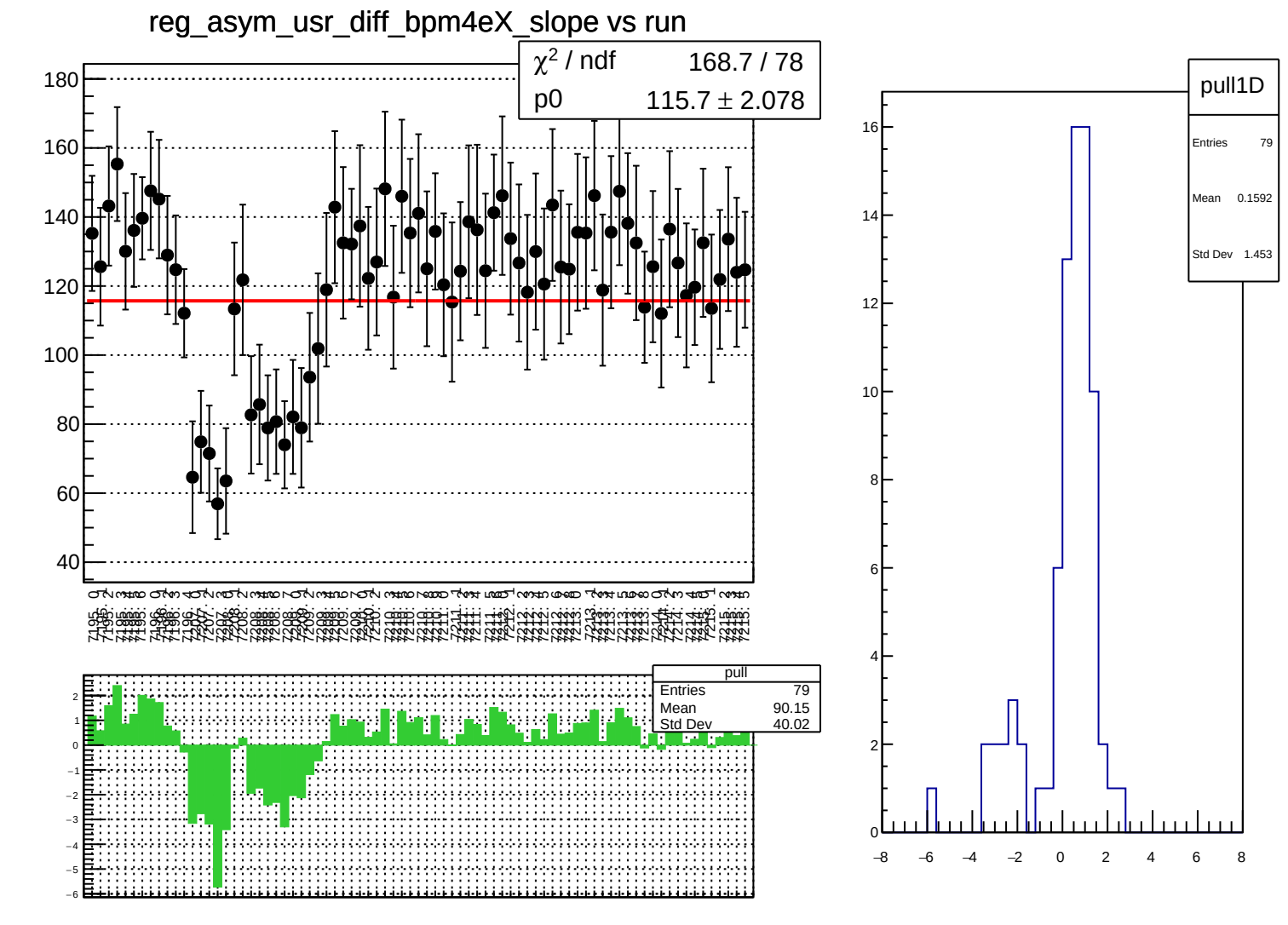

pull1D
Entries 79
Mean 0.08063
Std Dev 1.876

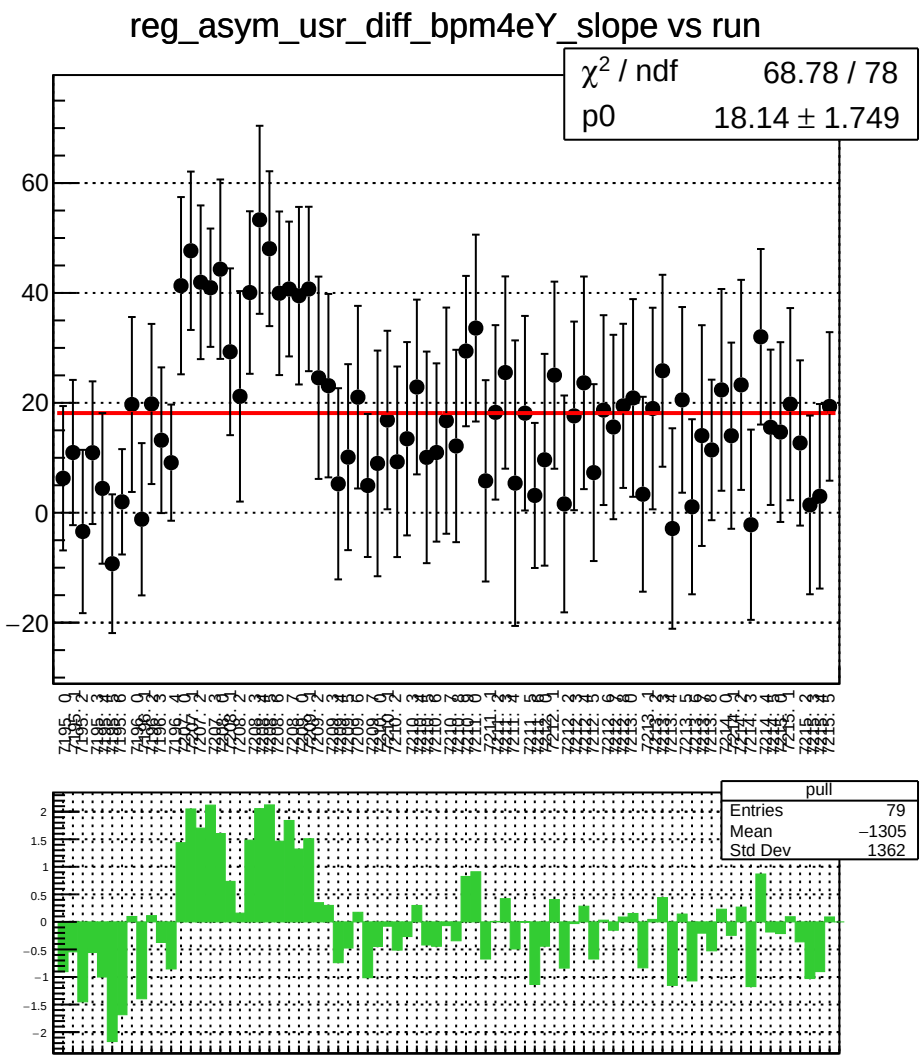

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 164 / 78
p0 −58.84 ± 2.065
pull
Entries 79
Mean 93.25
Std Dev 43.51

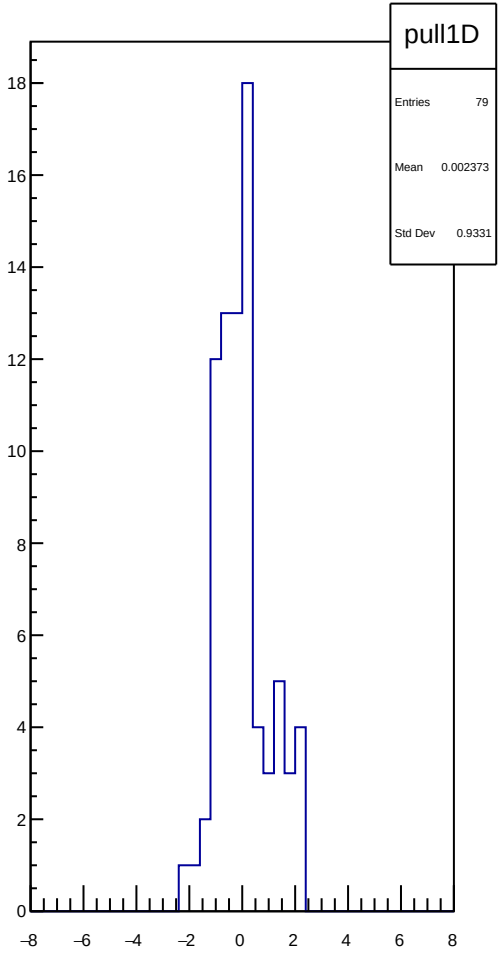

pull1D
Entries 79
Mean −0.1545
Std Dev 1.433

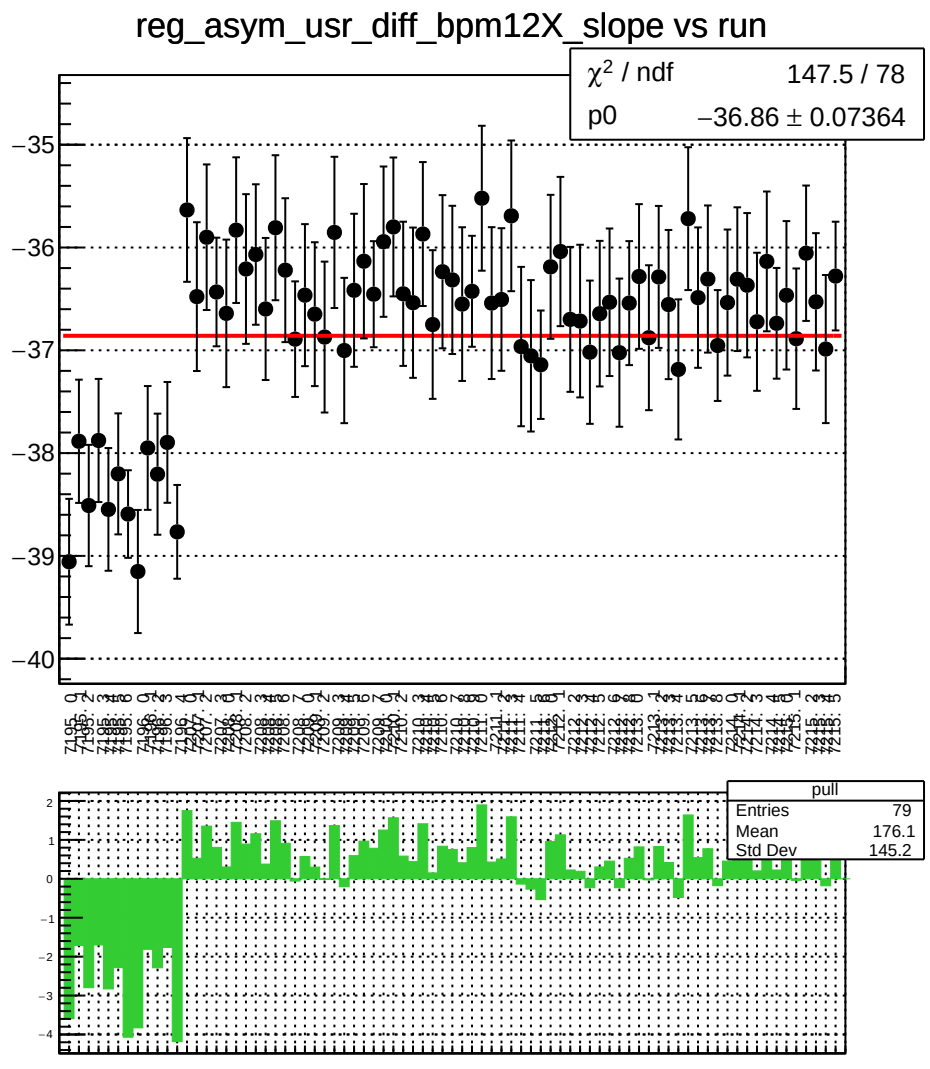

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 56.56 / 78
p0 −0.4806 ± 1.574
pull
Entries 79
Mean 1253
Std Dev 1203

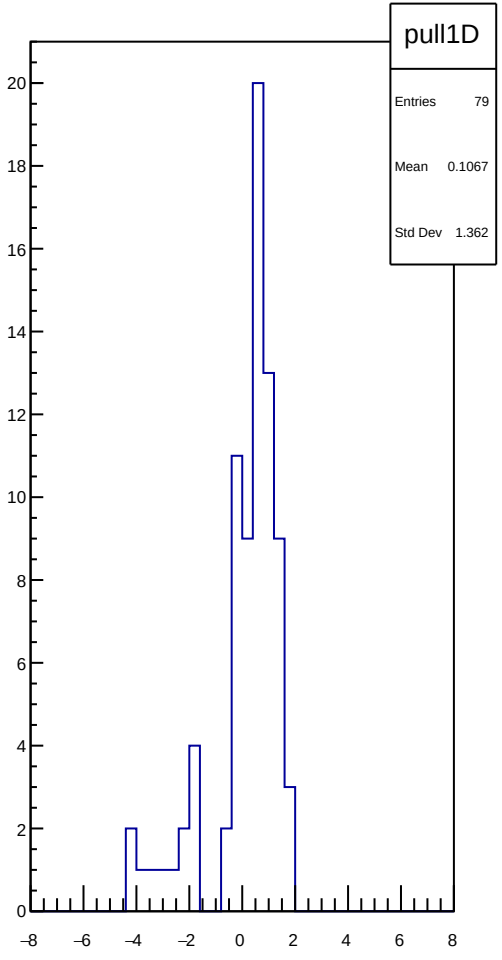

pull1D
Entries 79
Mean 0.003355
Std Dev 0.8462

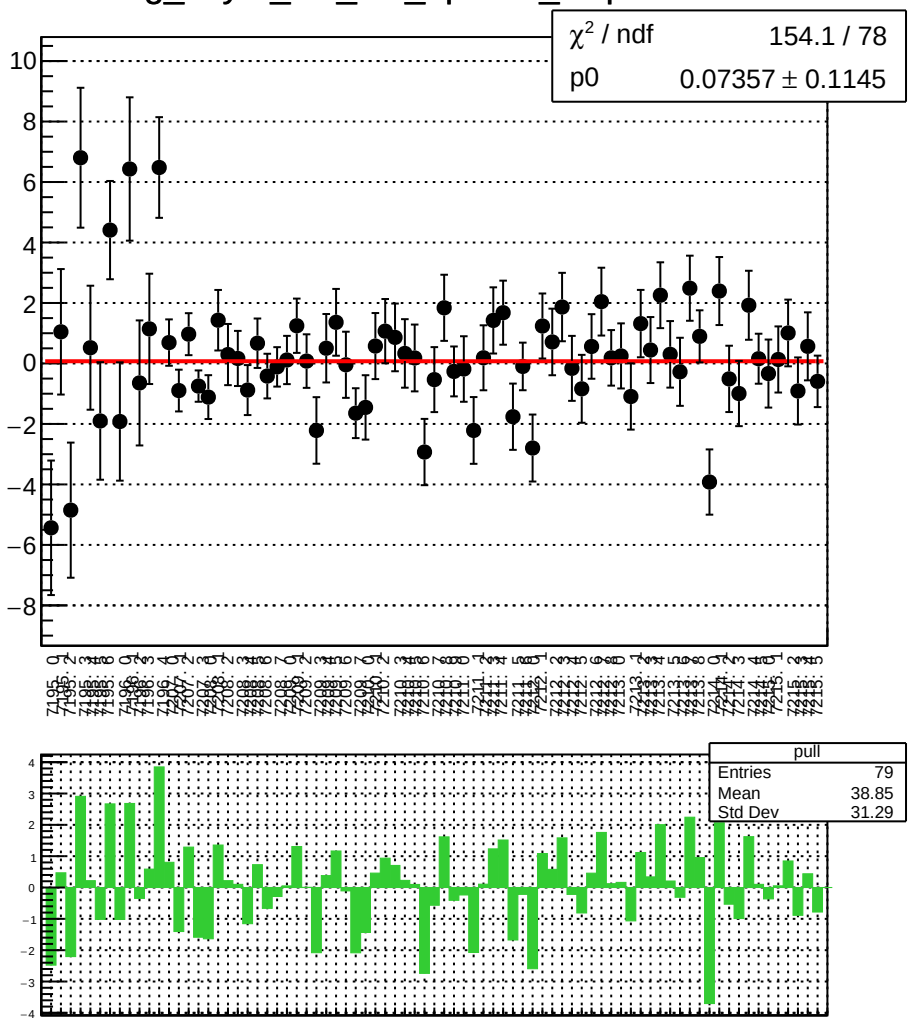

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 168.7 / 78
p0 115.7 ± 2.078
pull
Entries 79
Mean 90.15
Std Dev 40.02
pull1D
Entries 79
Mean 0.1592
Std Dev 1.453

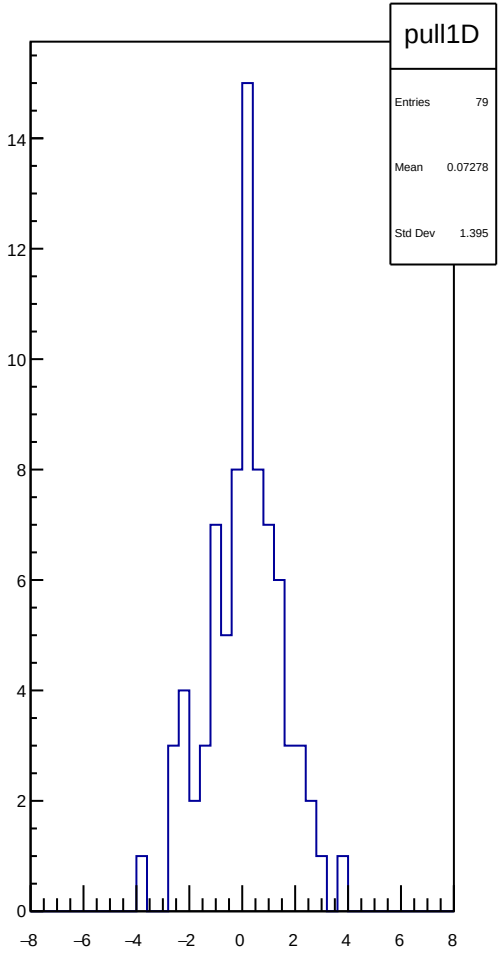

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 68.78 / 78
p0 18.14 ± 1.749
pull
Entries 79
Mean −1305
Std Dev 1362

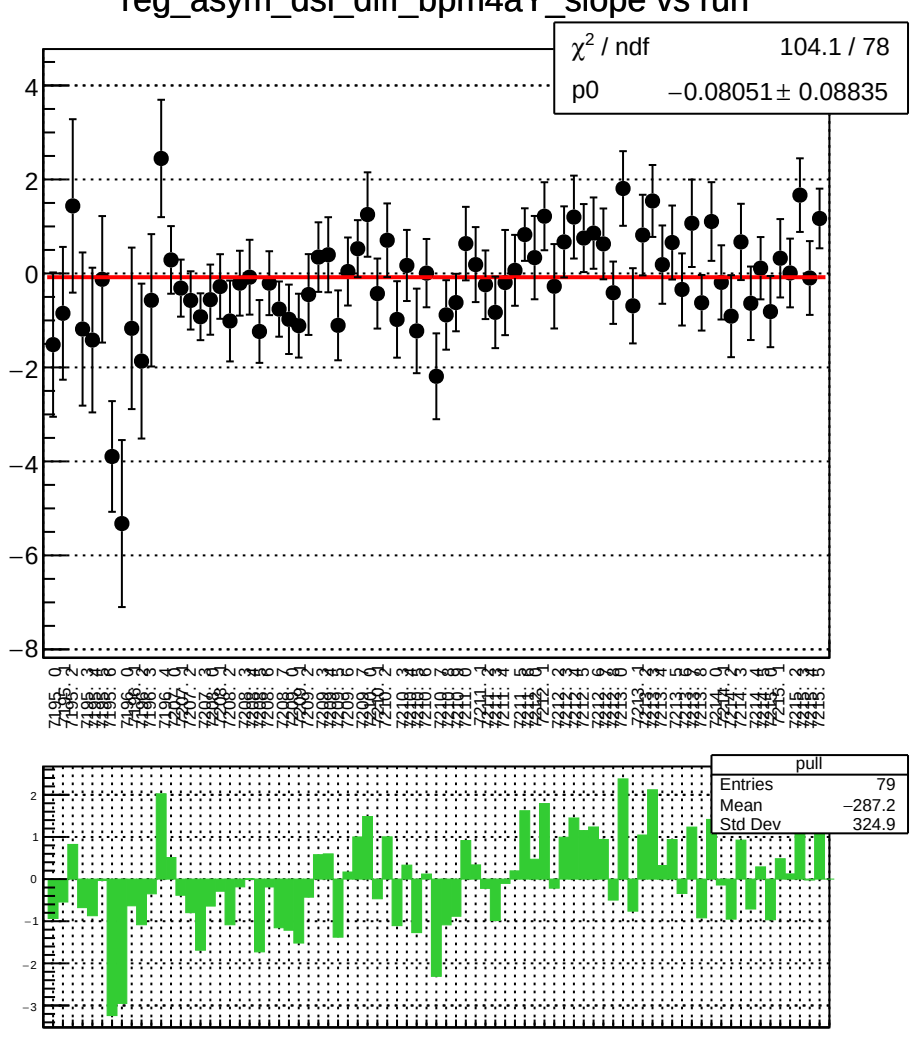

pull1D
Entries 79
Mean 0.002373
Std Dev 0.9331

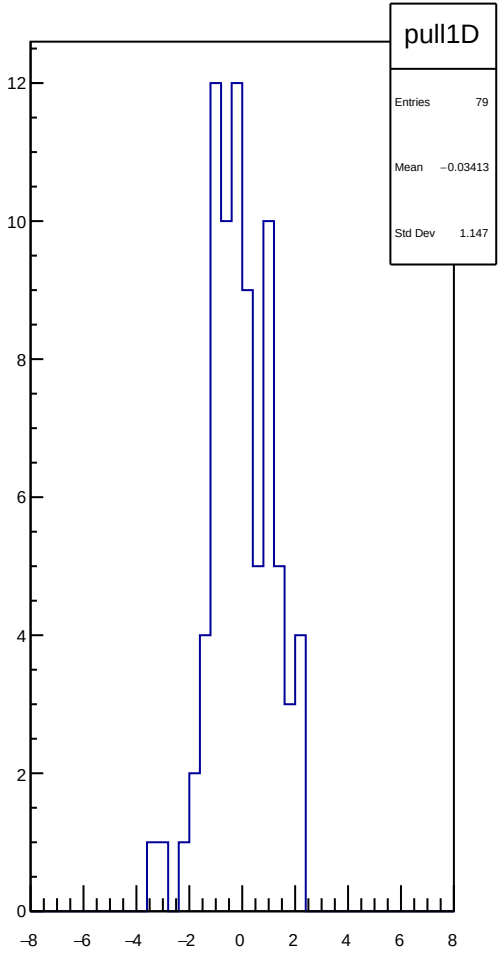

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 147.5 / 78
p0 −36.86 ± 0.07364
pull
Entries 79
Mean 176.1
Std Dev 145.2

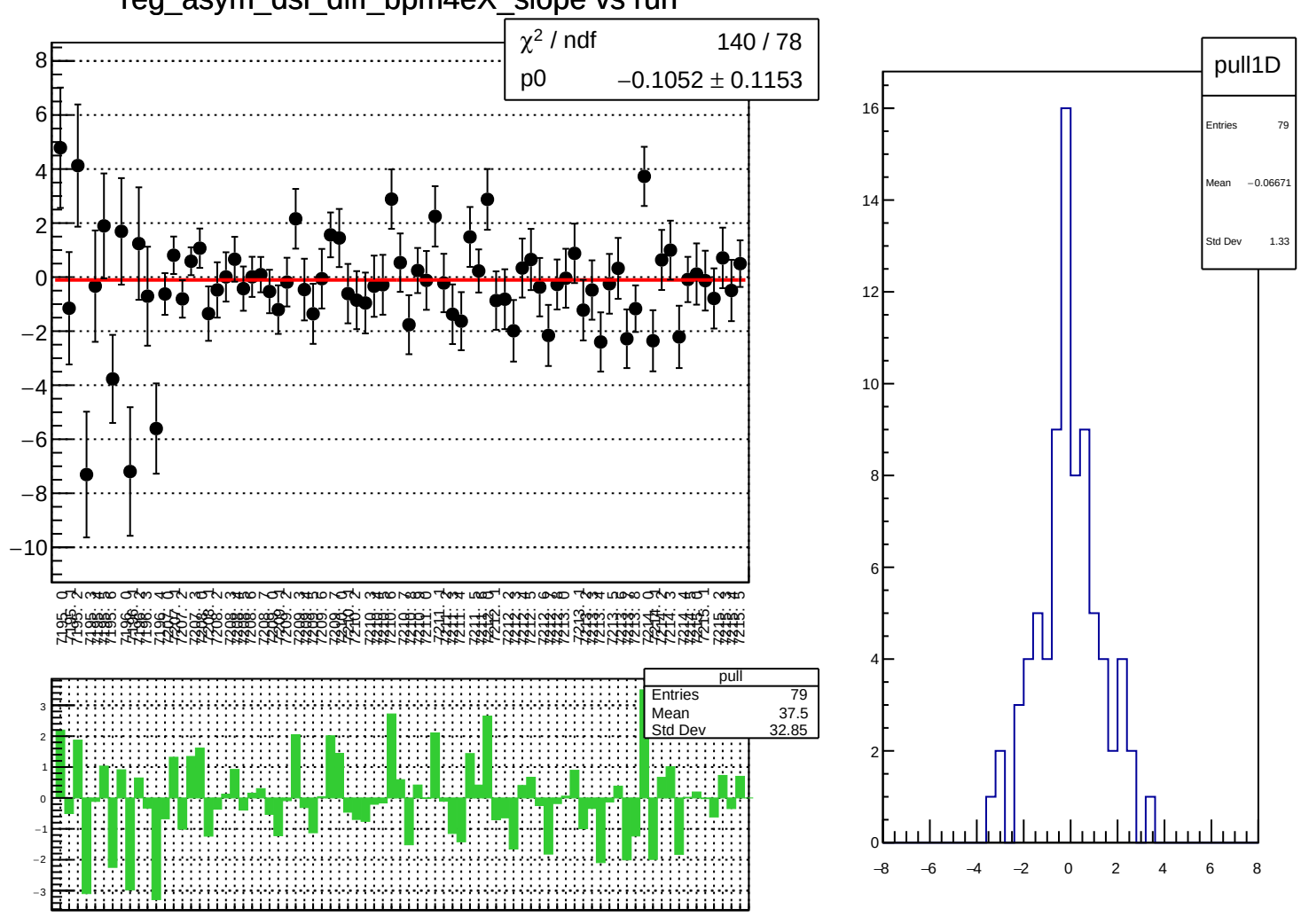

pull1D
Entries 79
Mean 0.1067
Std Dev 1.362

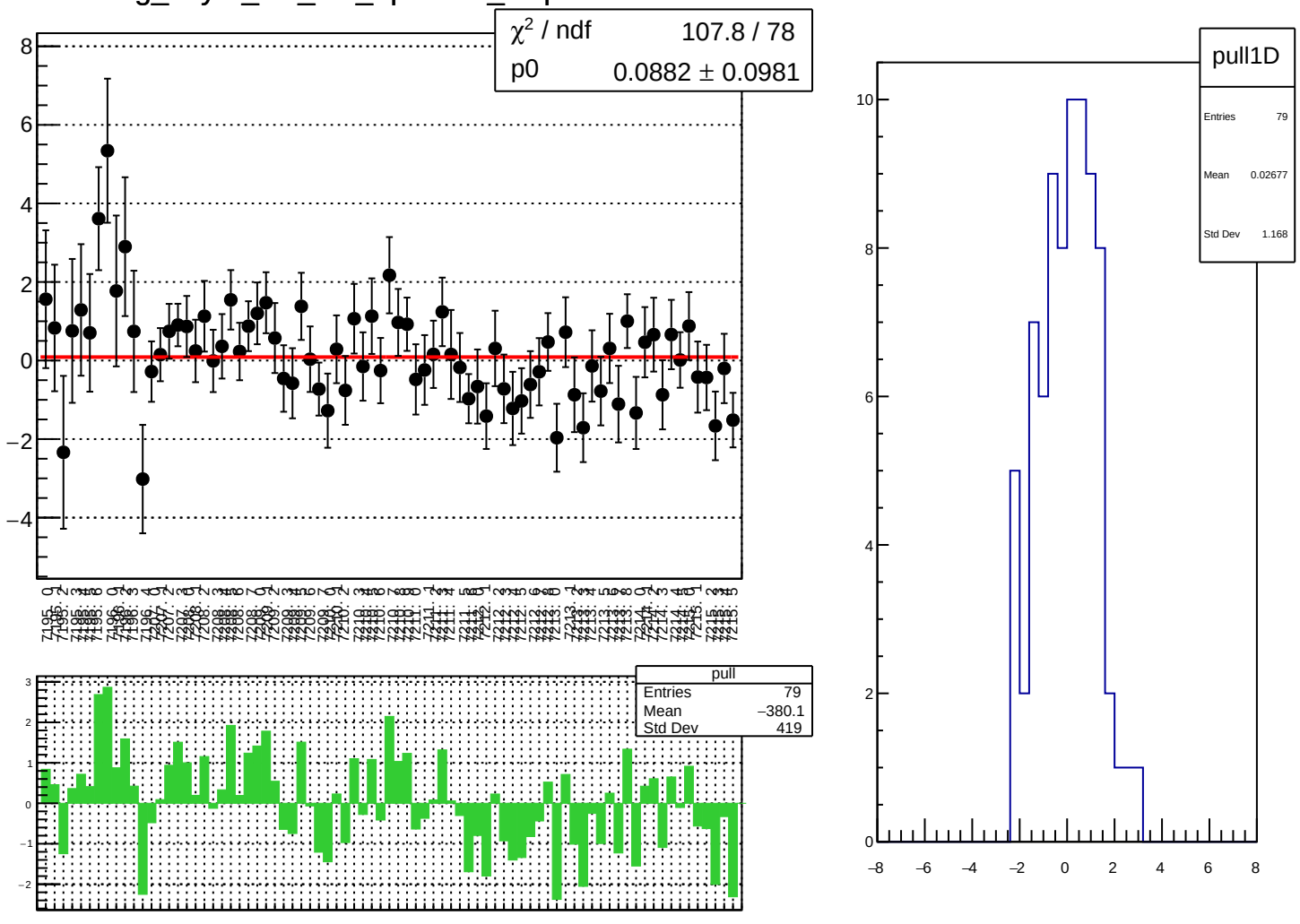

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 154.1 / 78
p0 0.07357 ± 0.1145
pull
Entries 79
Mean 38.85
Std Dev 31.29

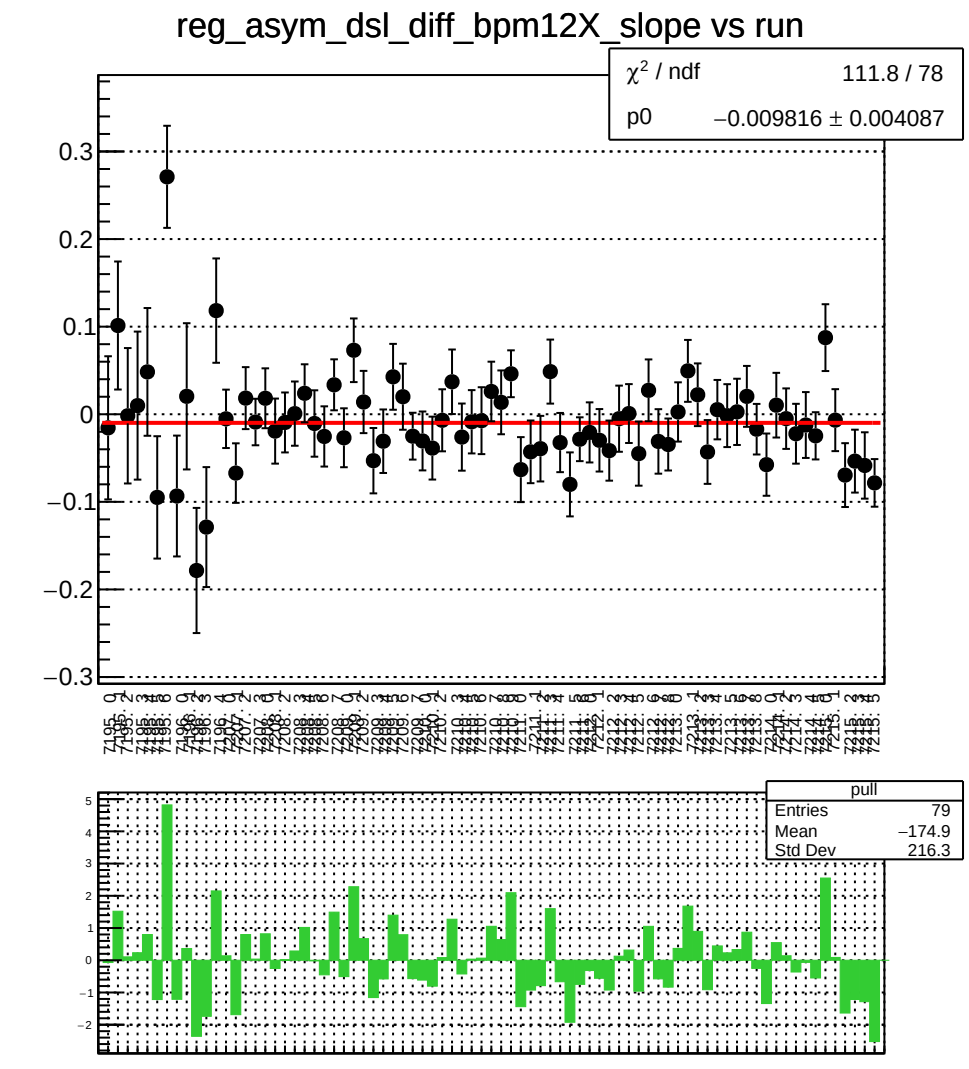

pull1D
Entries 79
Mean 0.07278
Std Dev 1.395

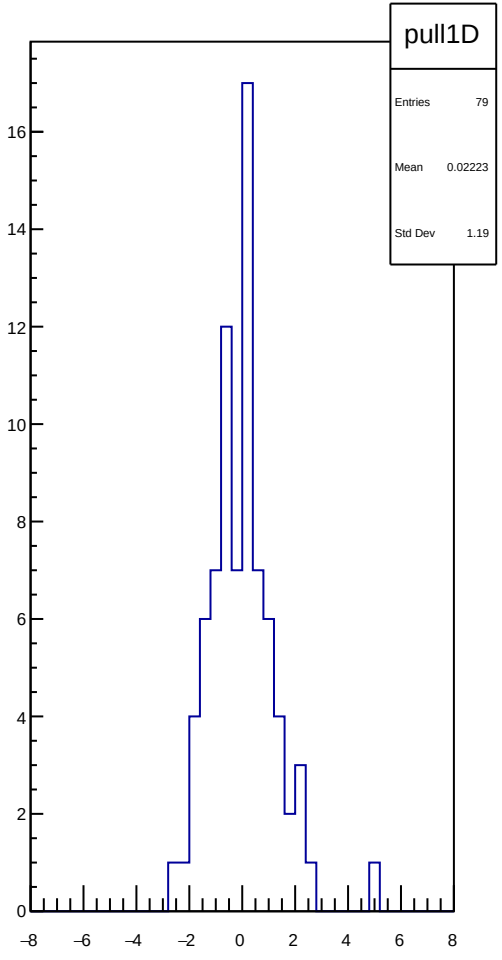

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 104.1 / 78
p0 −0.08051 ± 0.08835
pull
Entries 79
Mean −287.2
Std Dev 324.9

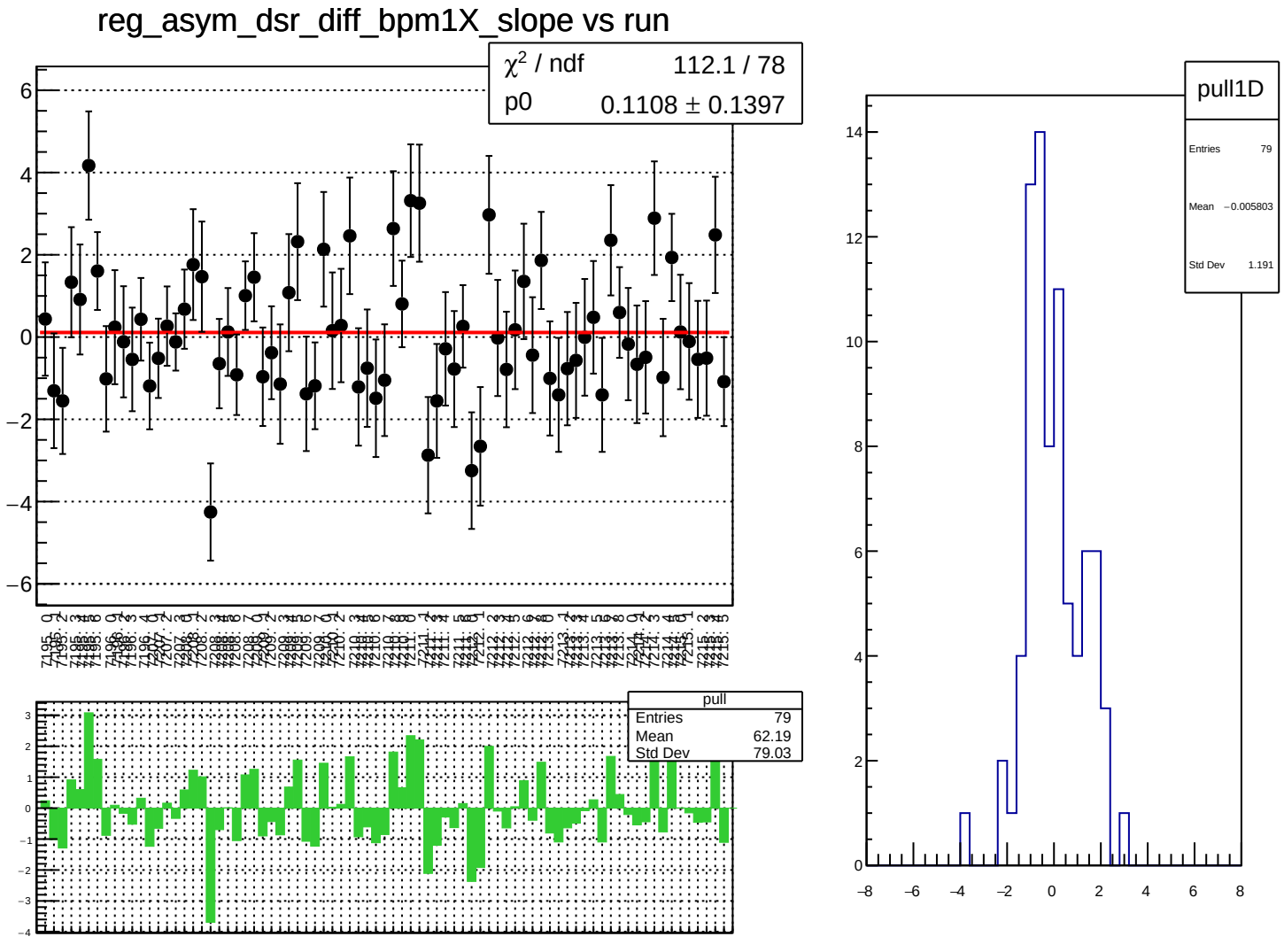

pull1D
Entries 79
Mean −0.03413
Std Dev 1.147

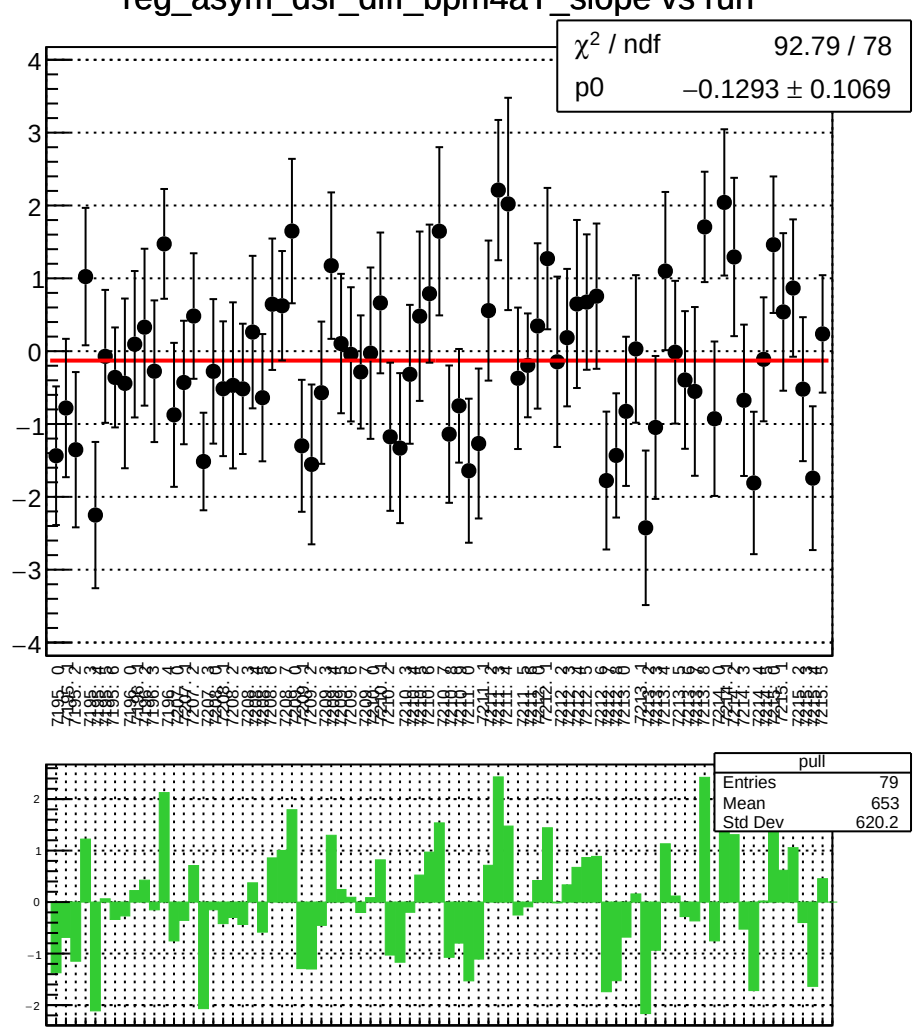

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 140 / 78
p0 −0.1052 ± 0.1153
pull
Entries 79
Mean 37.5
Std Dev 32.85
pull1D
Entries 79
Mean −0.06671
Std Dev 1.33

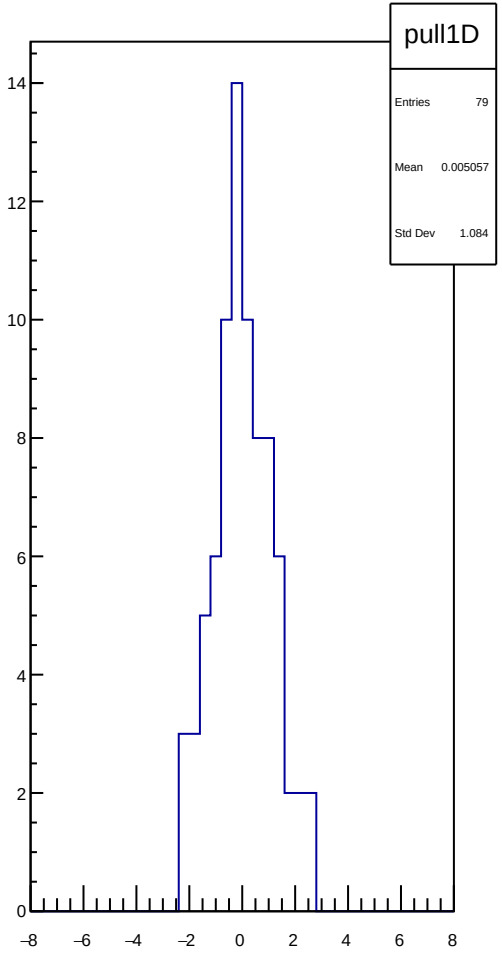

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 107.8 / 78
p0 0.0882 ± 0.0981
pull
Entries 79
Mean −380.1
Std Dev 419
pull1D
Entries 79
Mean 0.02677
Std Dev 1.168

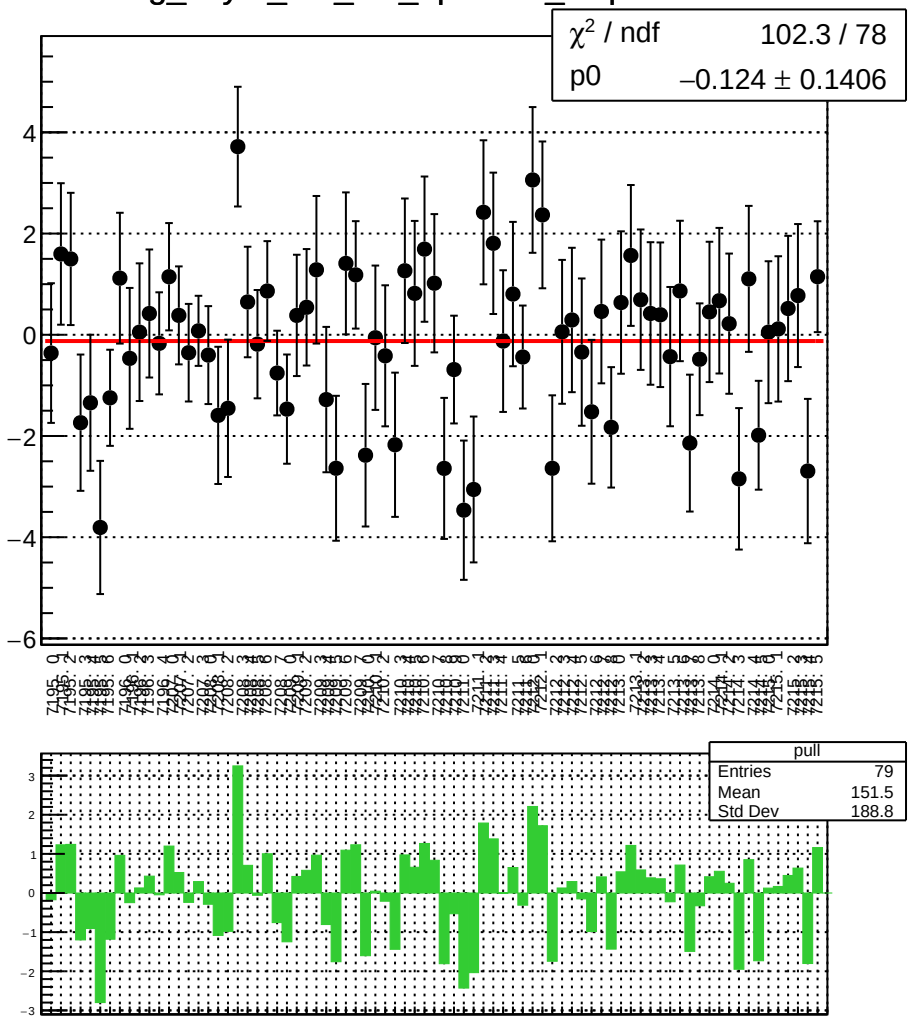

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 111.8 / 78
p0 −0.009816 ± 0.004087
pull
Entries 79
Mean −174.9
Std Dev 216.3

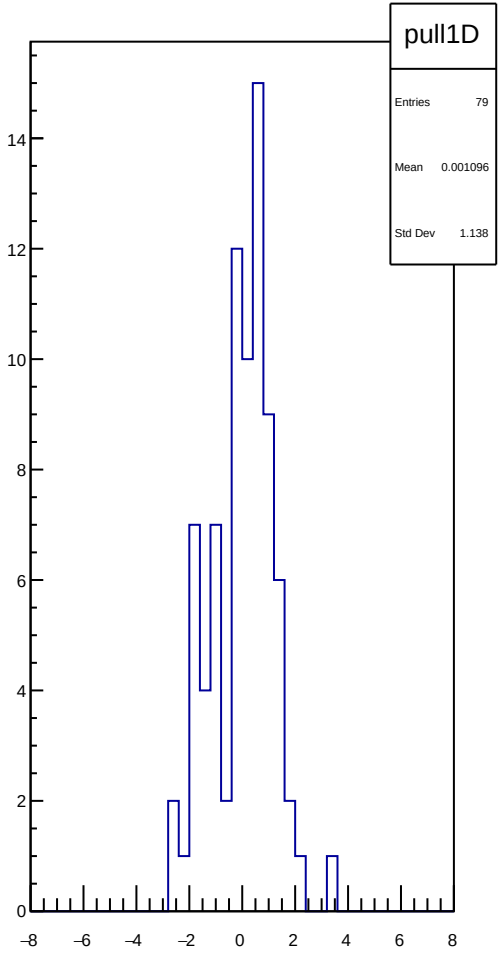

pull1D
Entries 79
Mean 0.02223
Std Dev 1.19

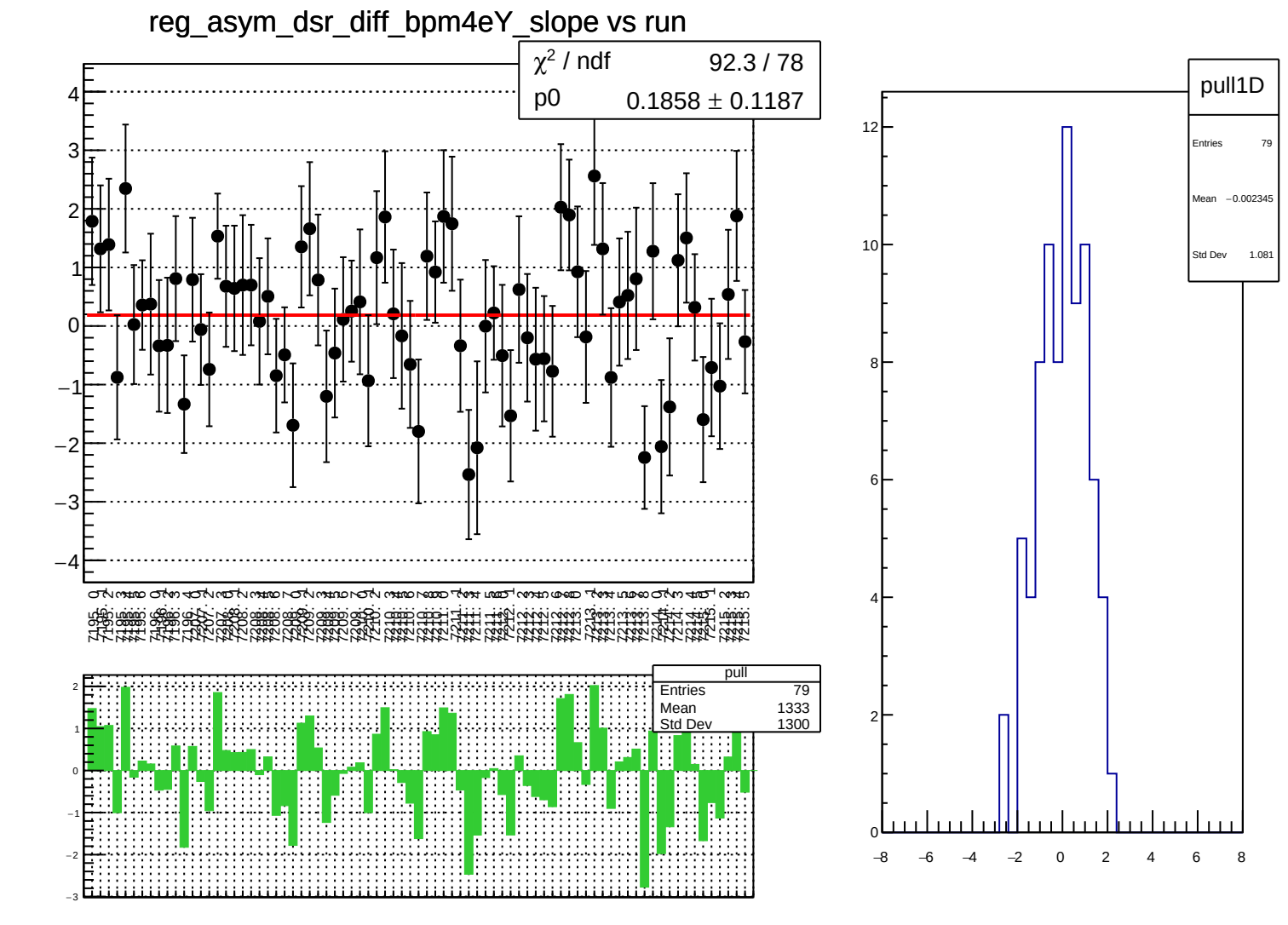

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 112.1 / 78
p0 0.1108 ± 0.1397
pull
Entries 79
Mean 62.19
Std Dev 79.03
pull1D
Entries 79
Mean −0.005803
Std Dev 1.191

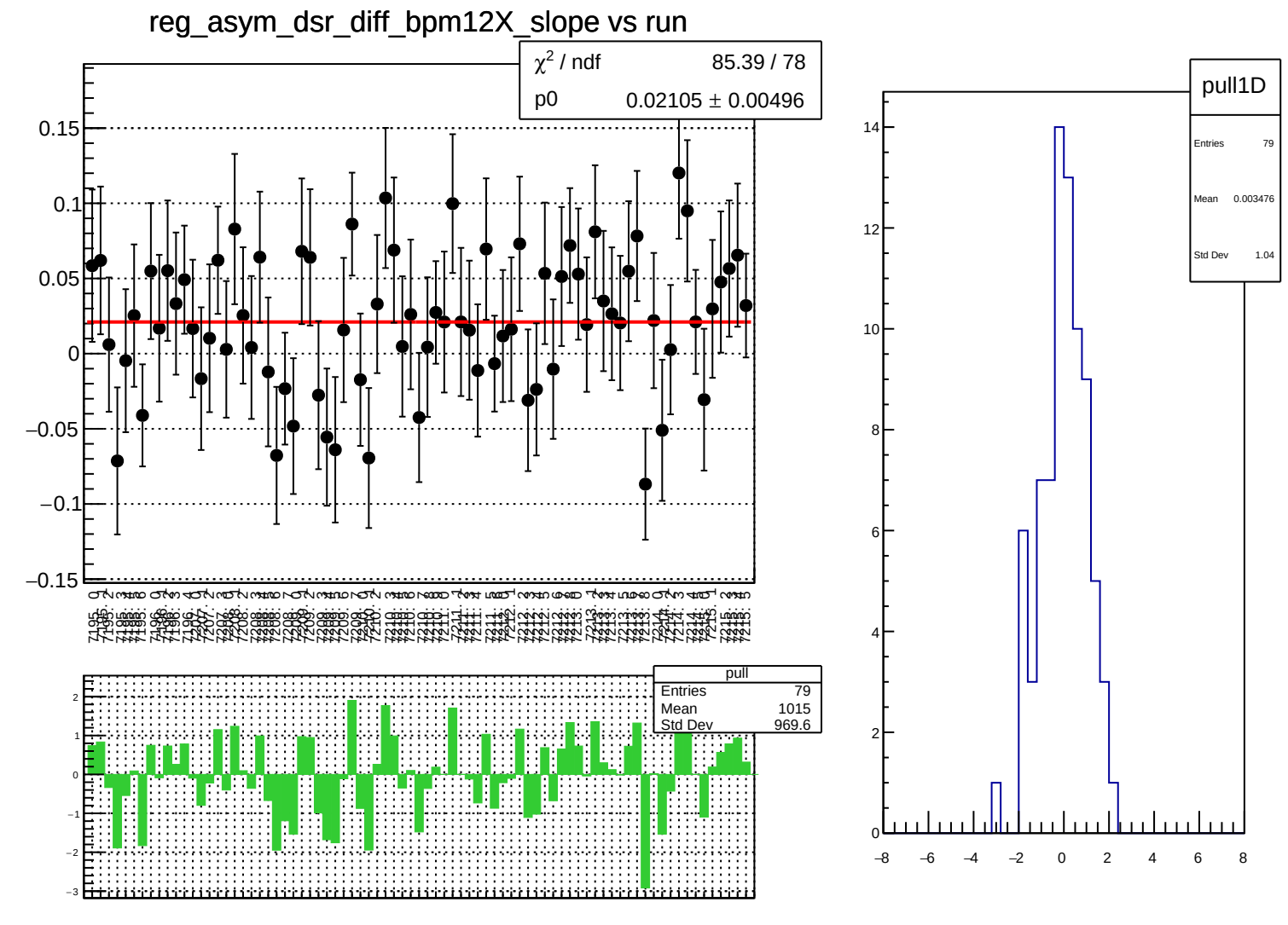

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 92.79 / 78
p0 −0.1293 ± 0.1069
pull
Entries 79
Mean 653
Std Dev 620.2

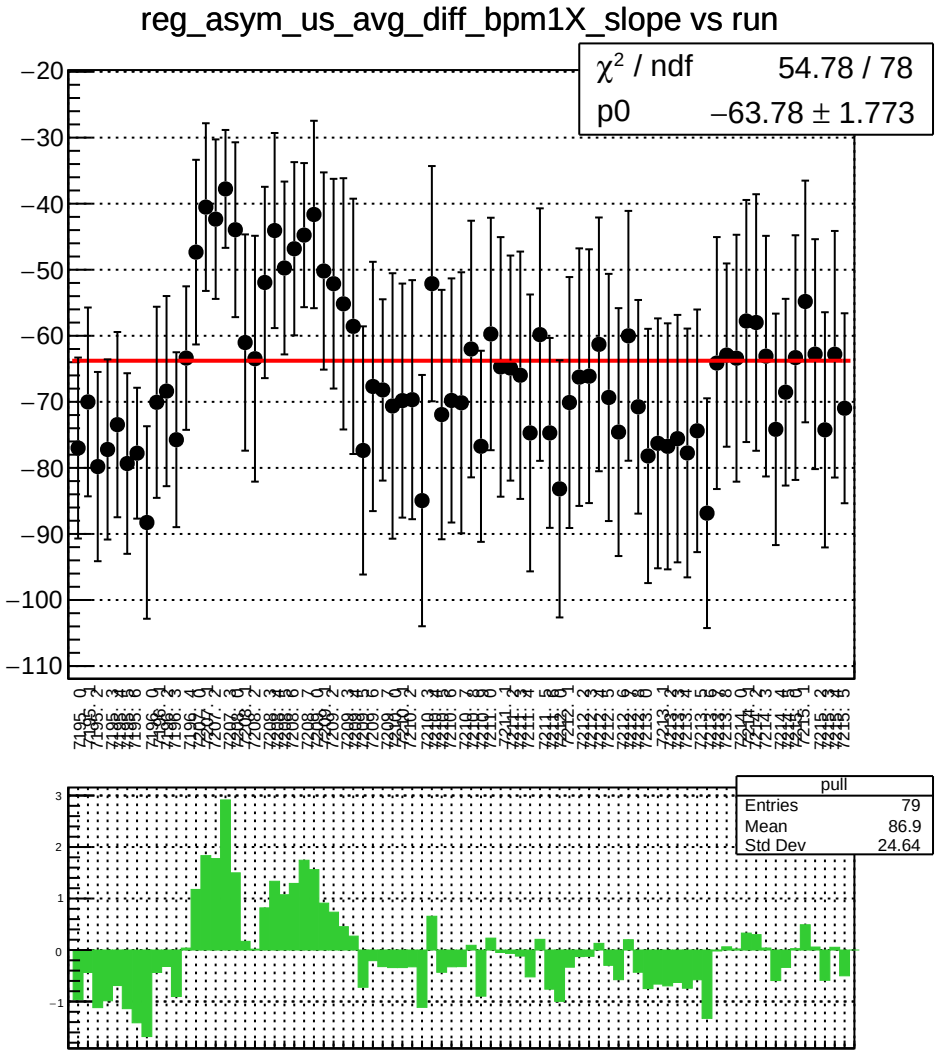

pull1D
Entries 79
Mean 0.005057
Std Dev 1.084

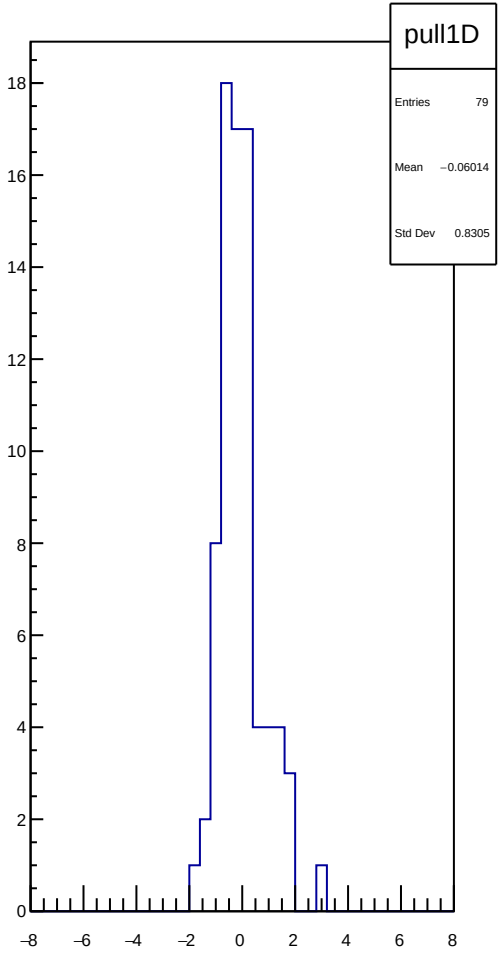

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 102.3 / 78
p0 −0.124 ± 0.1406
pull
Entries 79
Mean 151.5
Std Dev 188.8

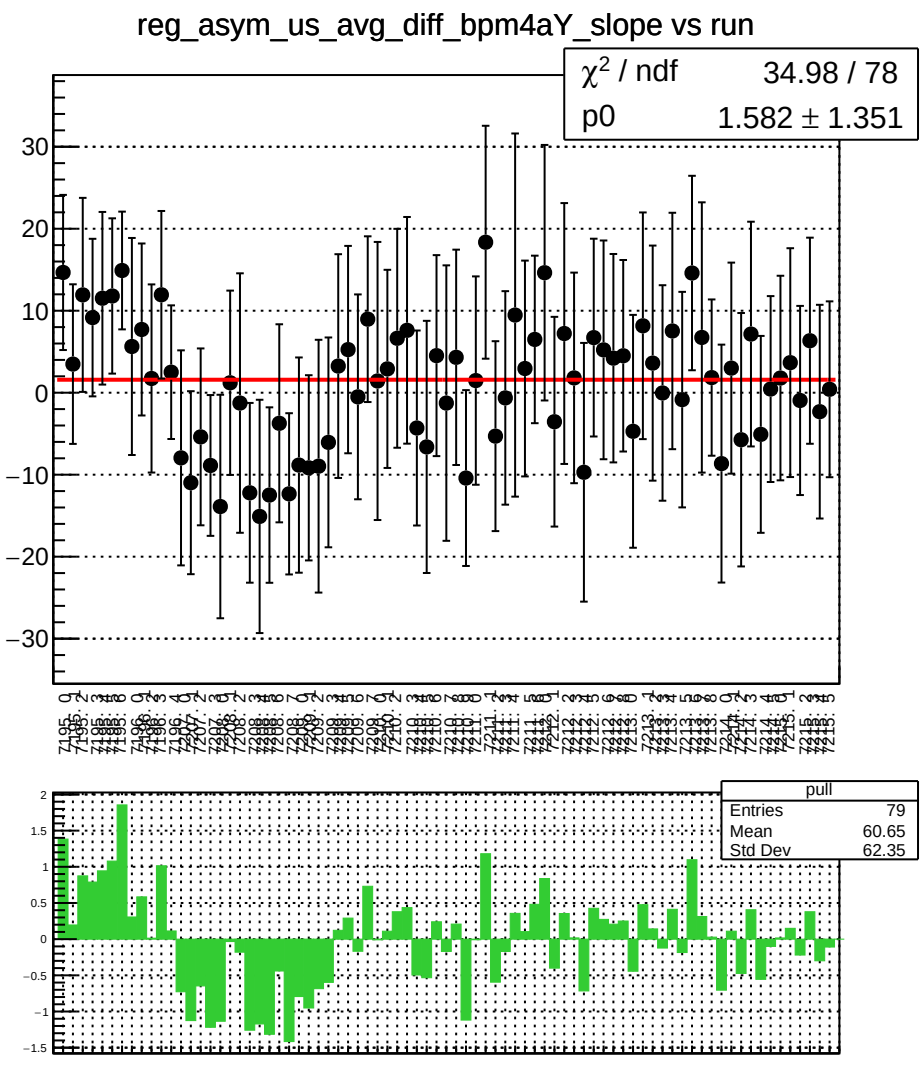

pull1D
Entries 79
Mean 0.001096
Std Dev 1.138

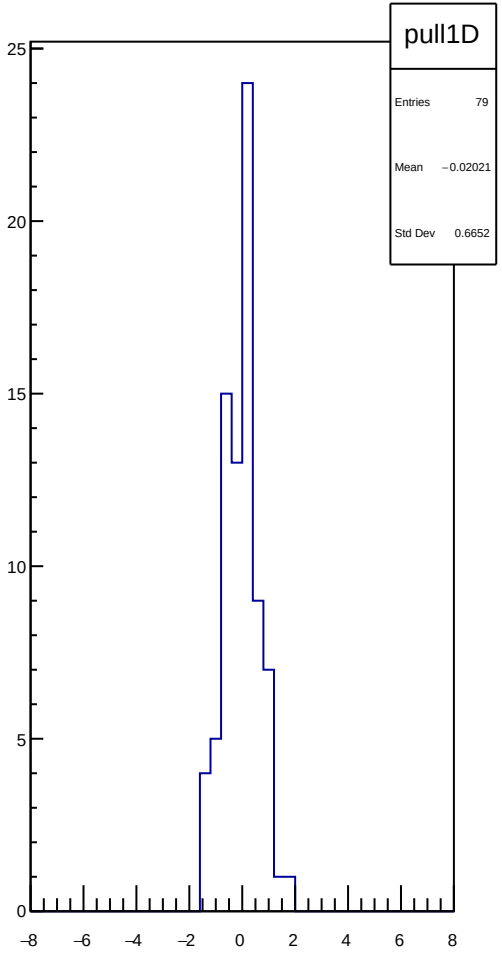

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 92.3 / 78
p0 0.1858 ± 0.1187
pull
Entries 79
Mean 1333
Std Dev 1300
pull1D
Entries 79
Mean −0.002345
Std Dev 1.081

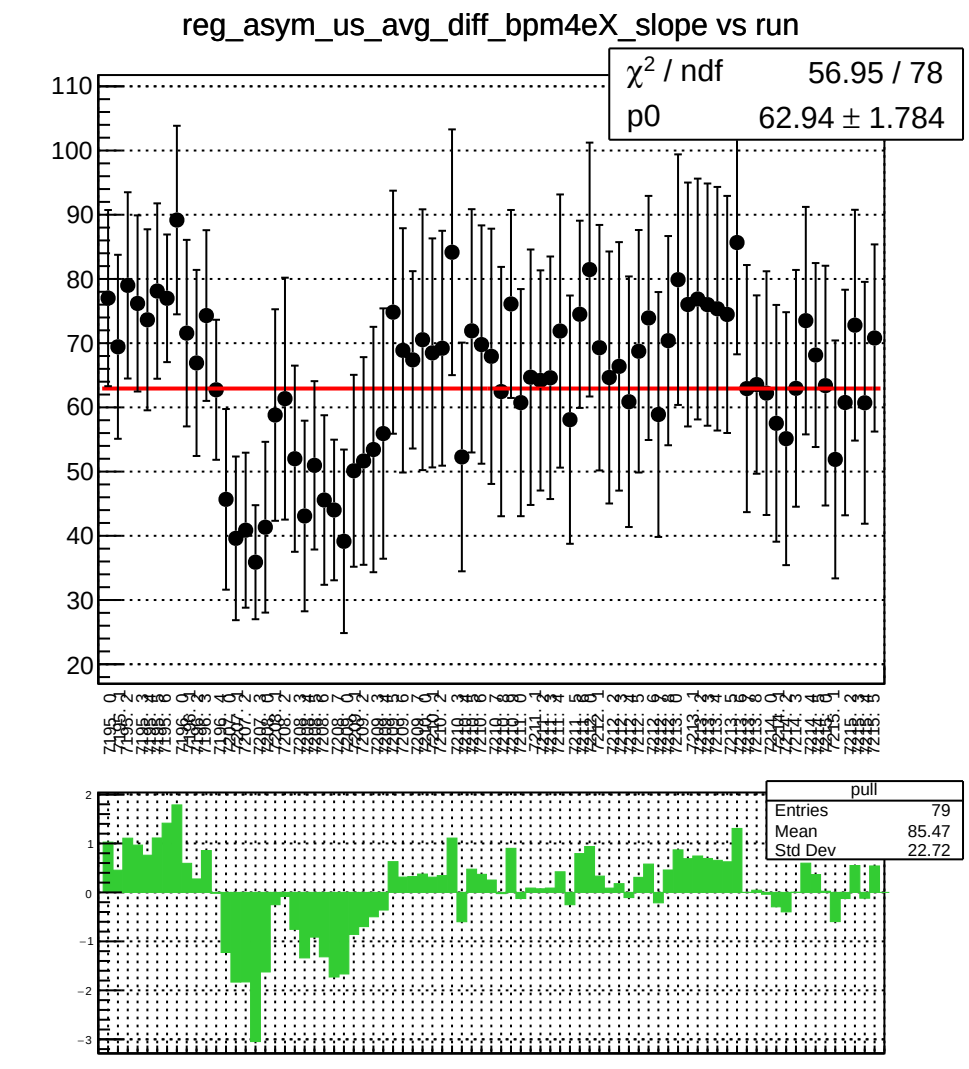

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 85.39 / 78
p0 0.02105 ± 0.00496
pull
Entries 79
Mean 1015
Std Dev 969.6
pull1D
Entries 79
Mean 0.003476
Std Dev 1.04

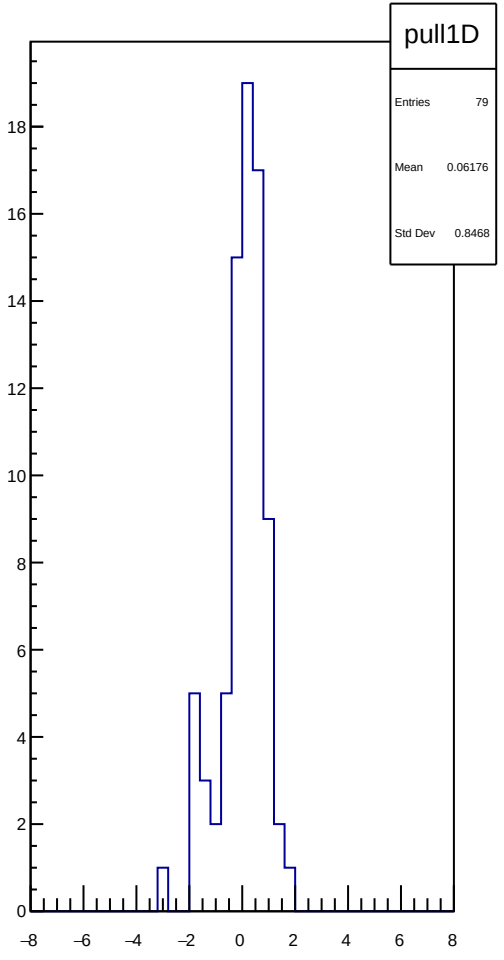

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 54.78 / 78
p0 −63.78 ± 1.773
pull
Entries 79
Mean 86.9
Std Dev 24.64

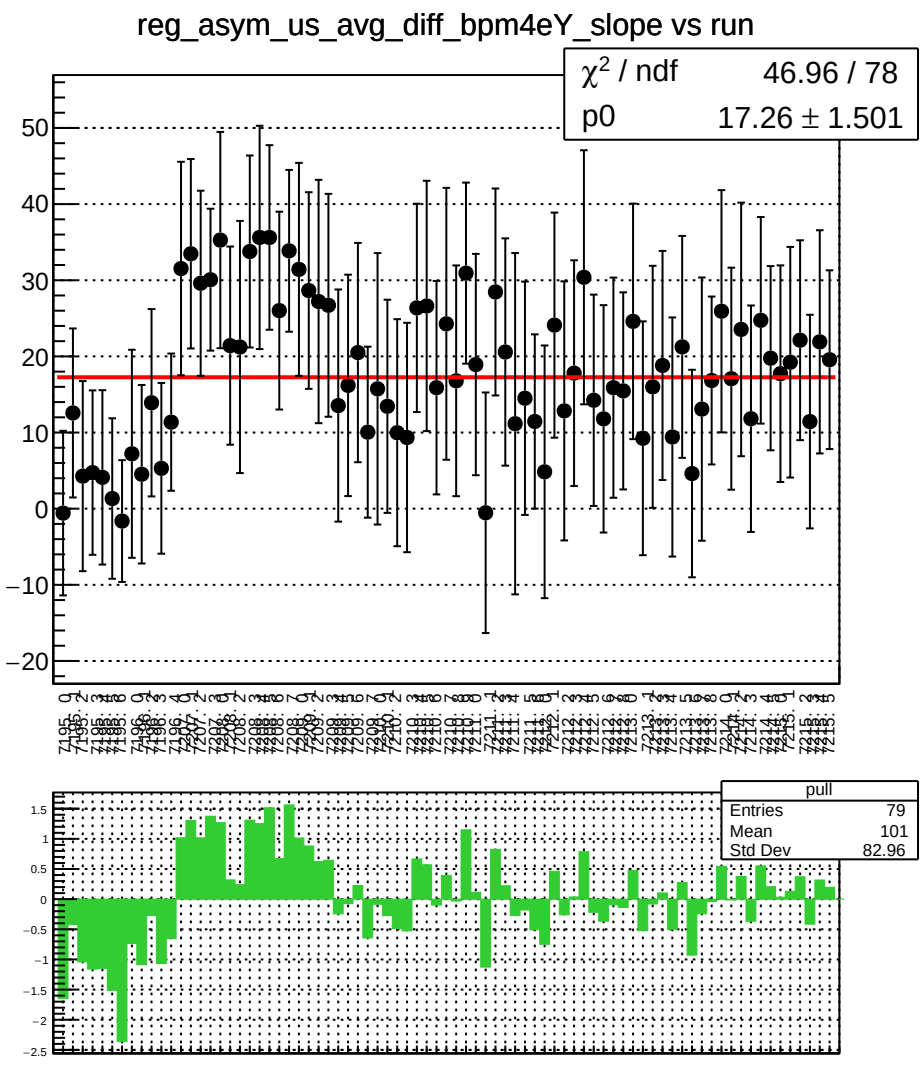

pull1D
Entries 79
Mean −0.06014
Std Dev 0.8305

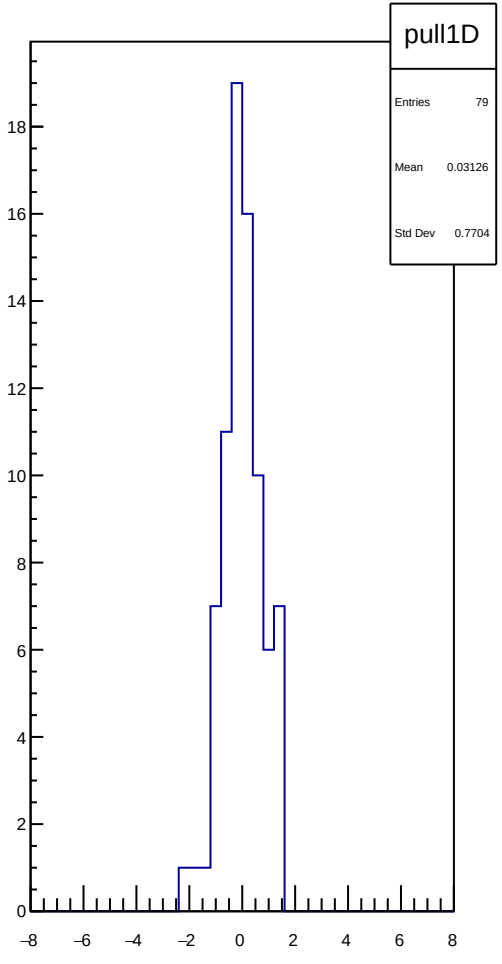

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 34.98 / 78
p0 1.582 ± 1.351
pull
Entries 79
Mean 60.65
Std Dev 62.35

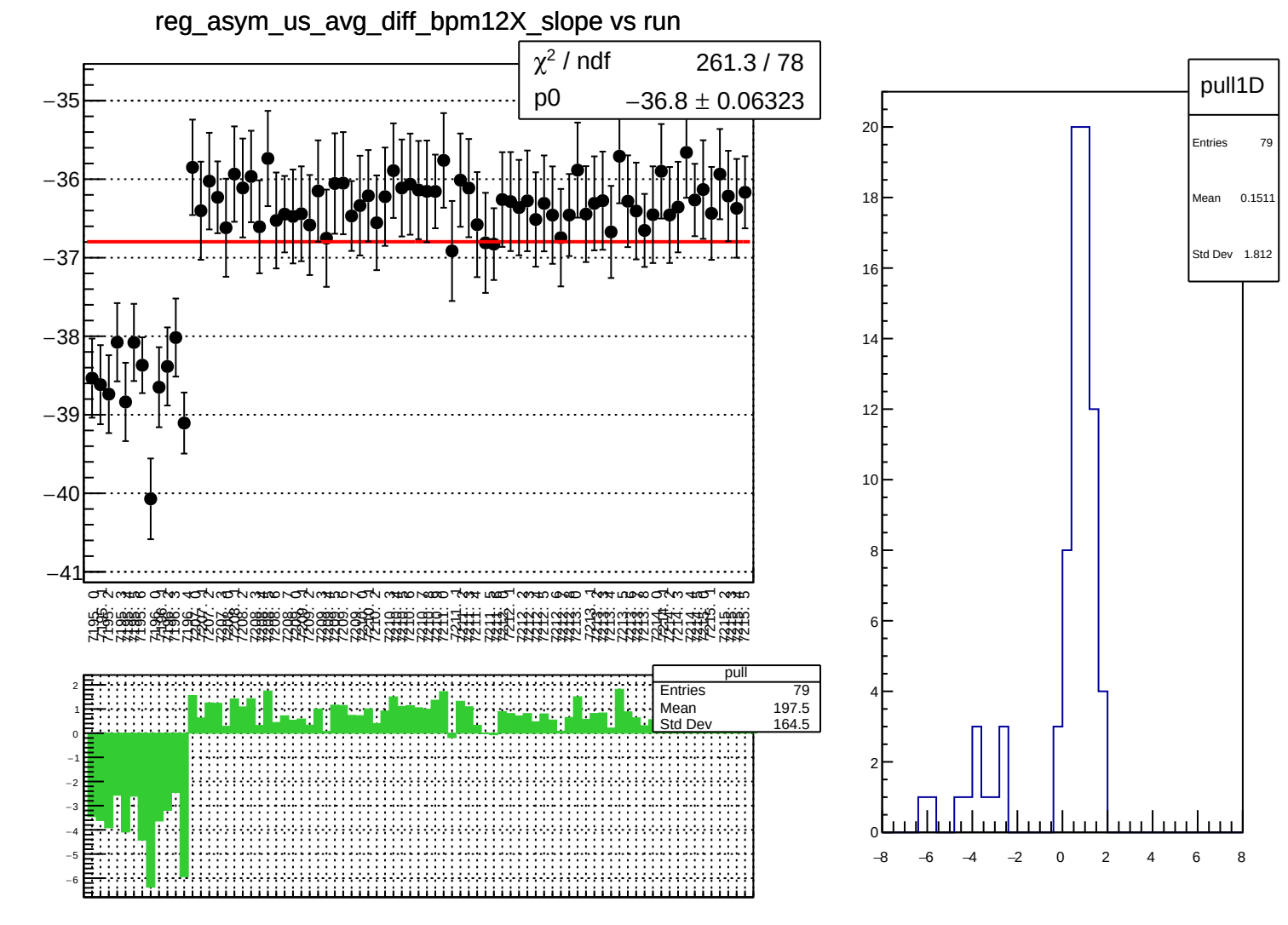

pull1D
Entries 79
Mean −0.02021
Std Dev 0.6652

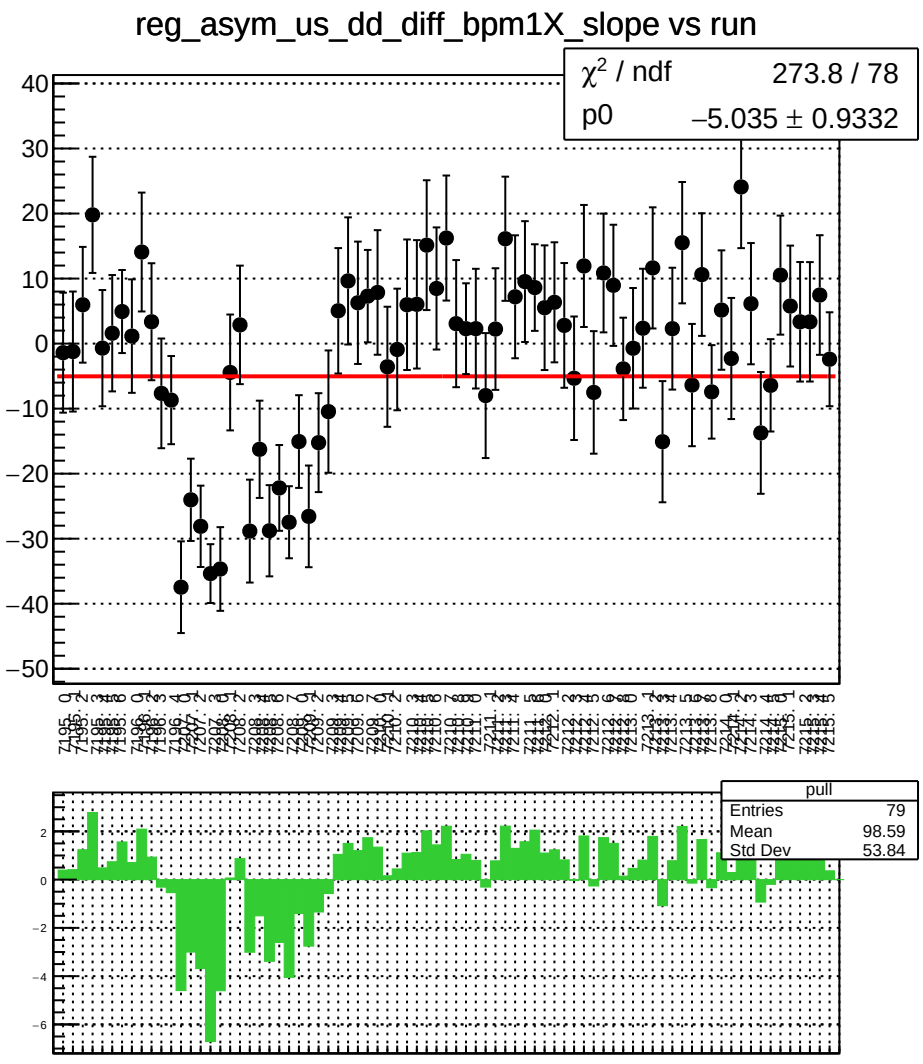

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 56.95 / 78
p0 62.94 ± 1.784
pull
Entries 79
Mean 85.47
Std Dev 22.72

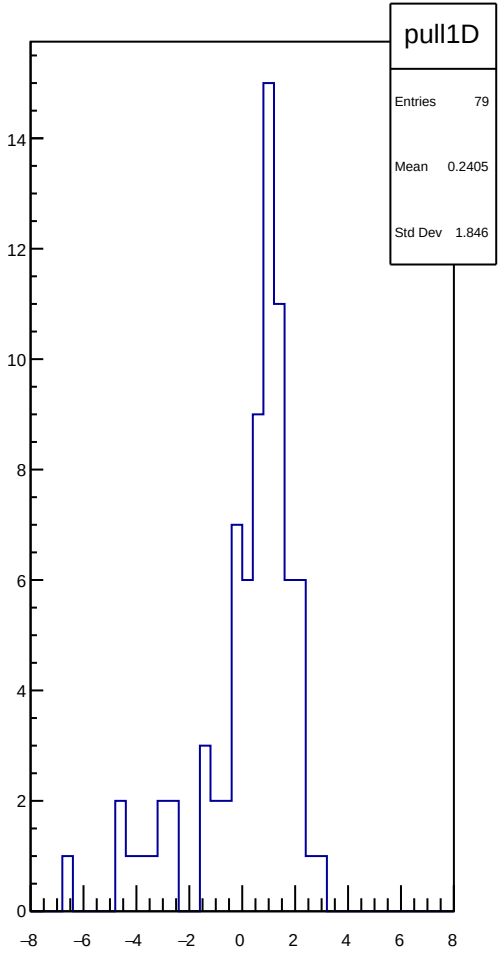

pull1D
Entries 79
Mean 0.06176
Std Dev 0.8468

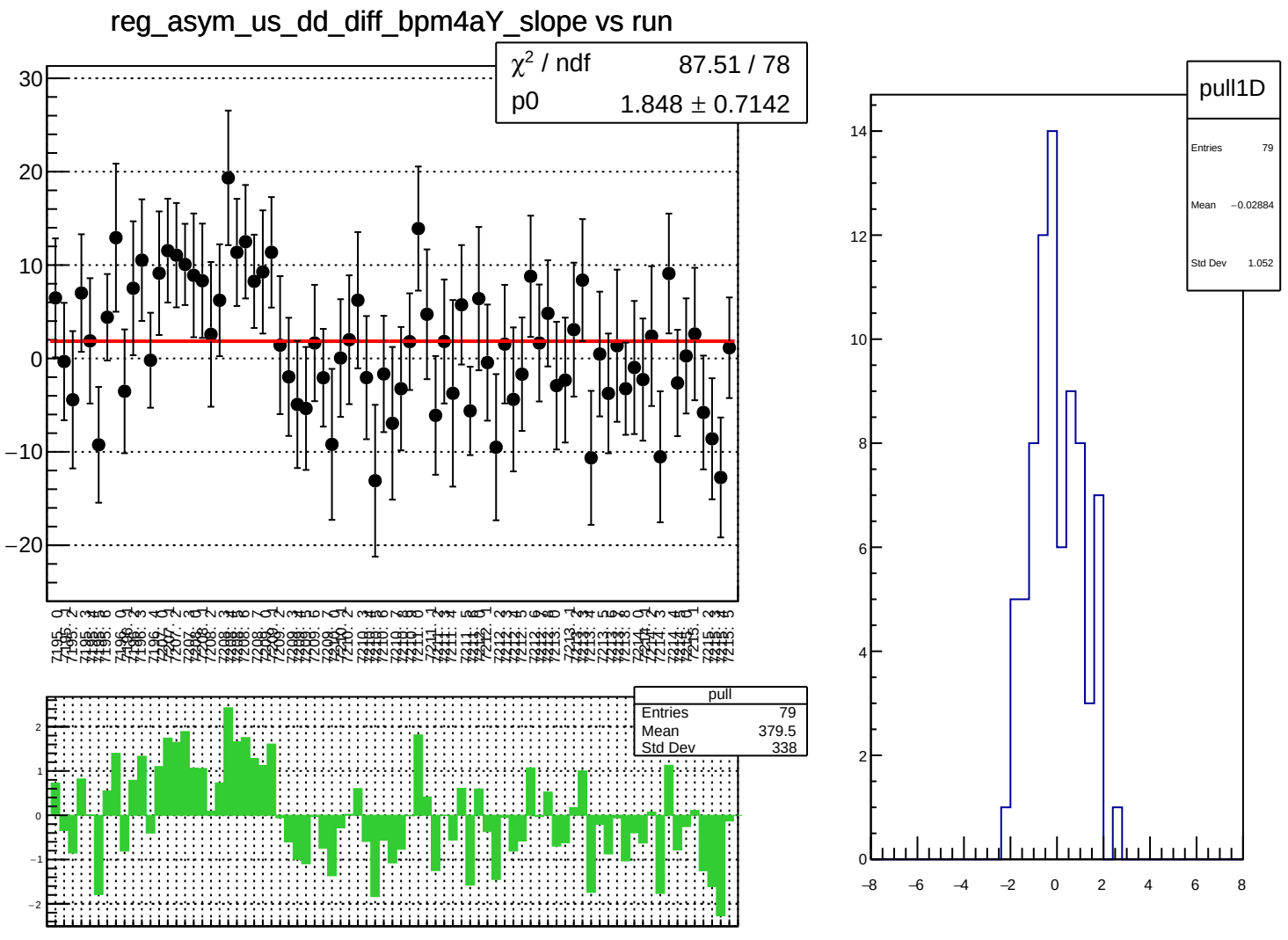

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 46.96 / 78
p0 17.26 ± 1.501
pull
Entries 79
Mean 101
Std Dev 82.96

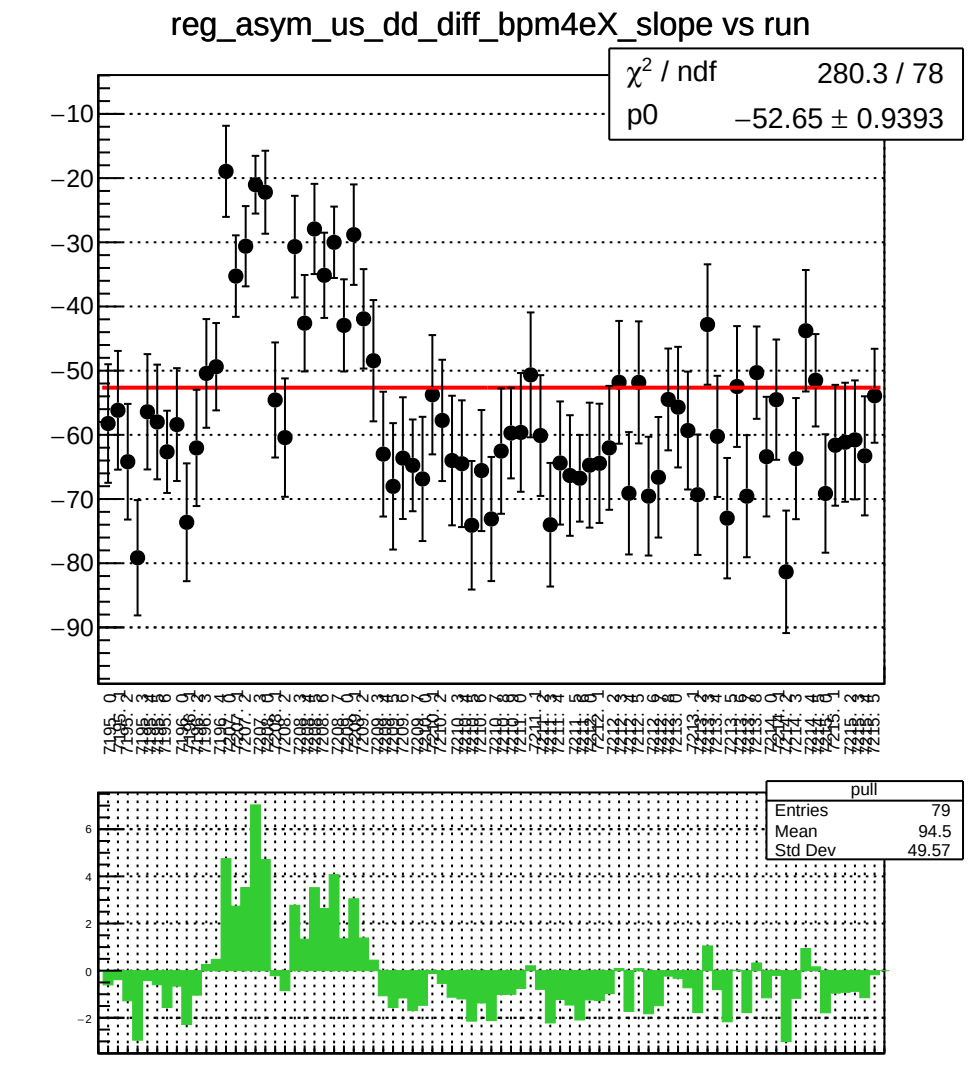

pull1D
Entries 79
Mean 0.03126
Std Dev 0.7704

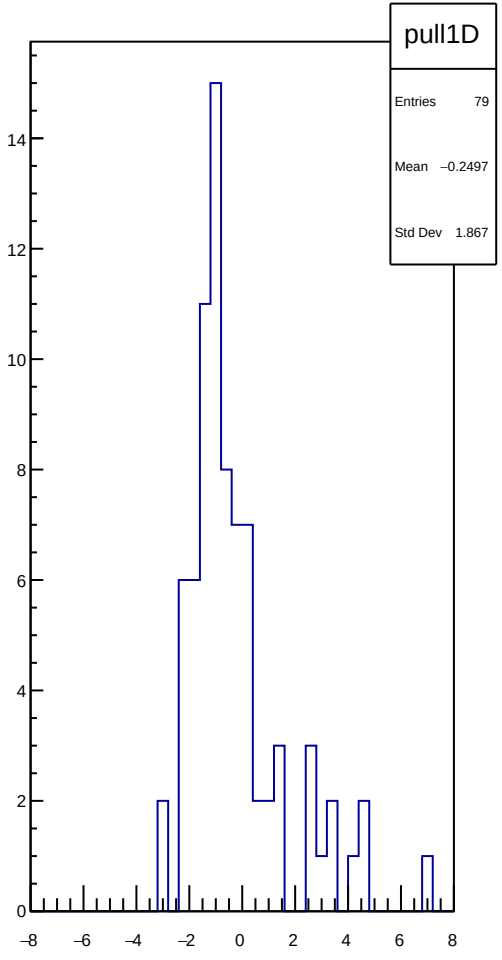

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 261.3 / 78
p0 −36.8 ± 0.06323
pull
Entries 79
Mean 197.5
Std Dev 164.5
pull1D
Entries 79
Mean 0.1511
Std Dev 1.812

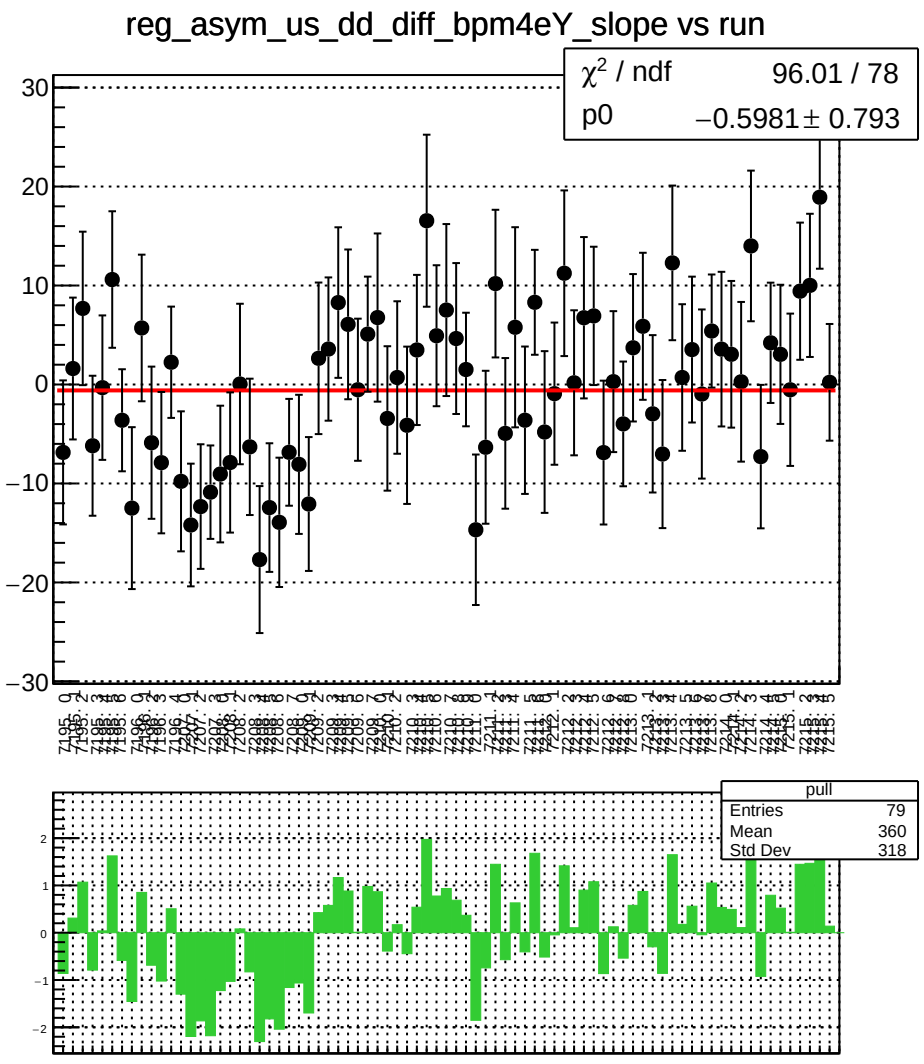

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 273.8 / 78
p0 −5.035 ± 0.9332
pull
Entries 79
Mean 98.59
Std Dev 53.84

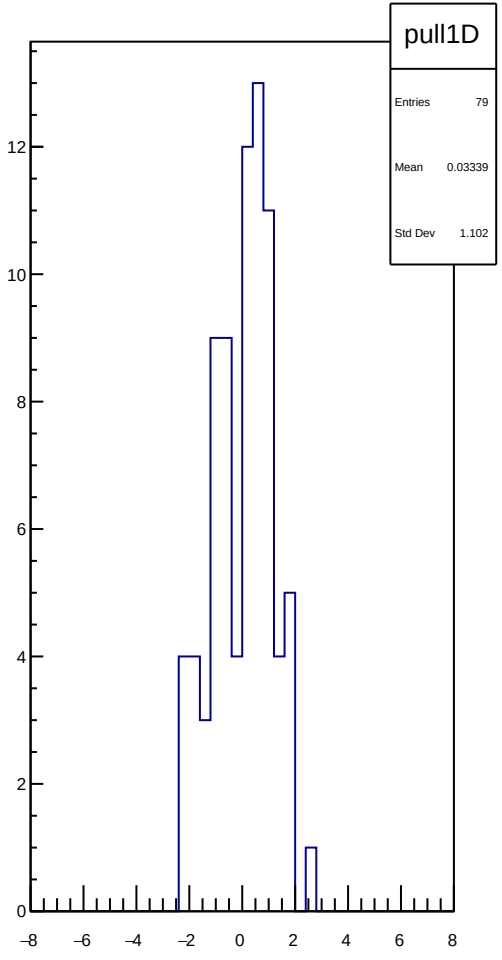

pull1D
Entries 79
Mean 0.2405
Std Dev 1.846

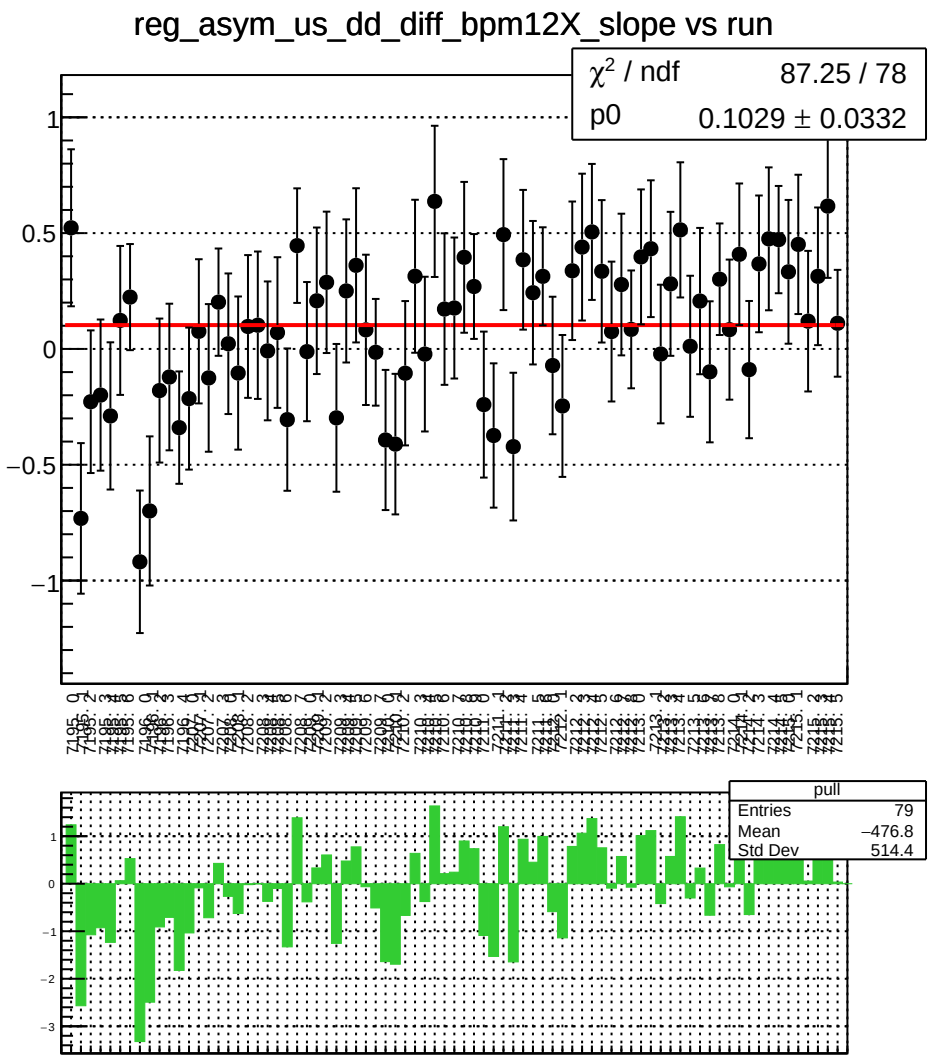

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 87.51 / 78
p0 1.848 ± 0.7142
pull
Entries 79
Mean 379.5
Std Dev 338
pull1D
Entries 79
Mean −0.02884
Std Dev 1.052

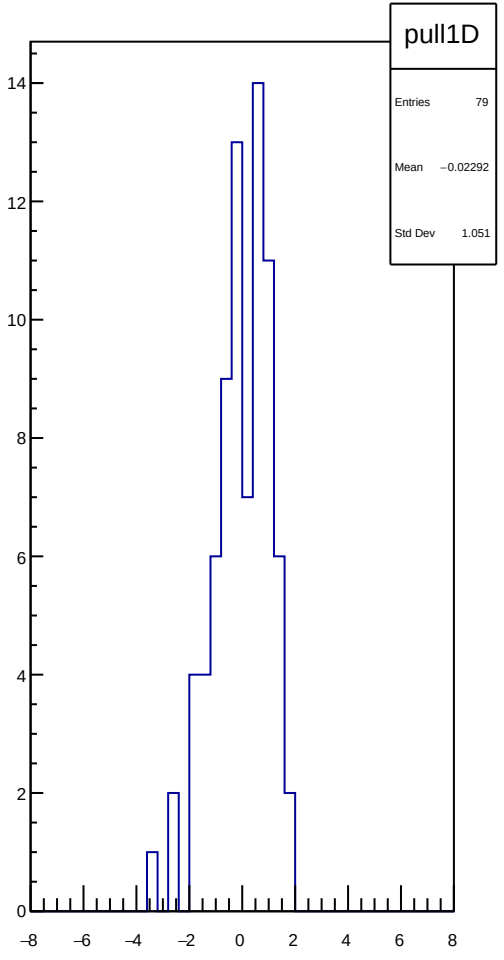

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 280.3 / 78
p0 −52.65 ± 0.9393
pull
Entries 79
Mean 94.5
Std Dev 49.57

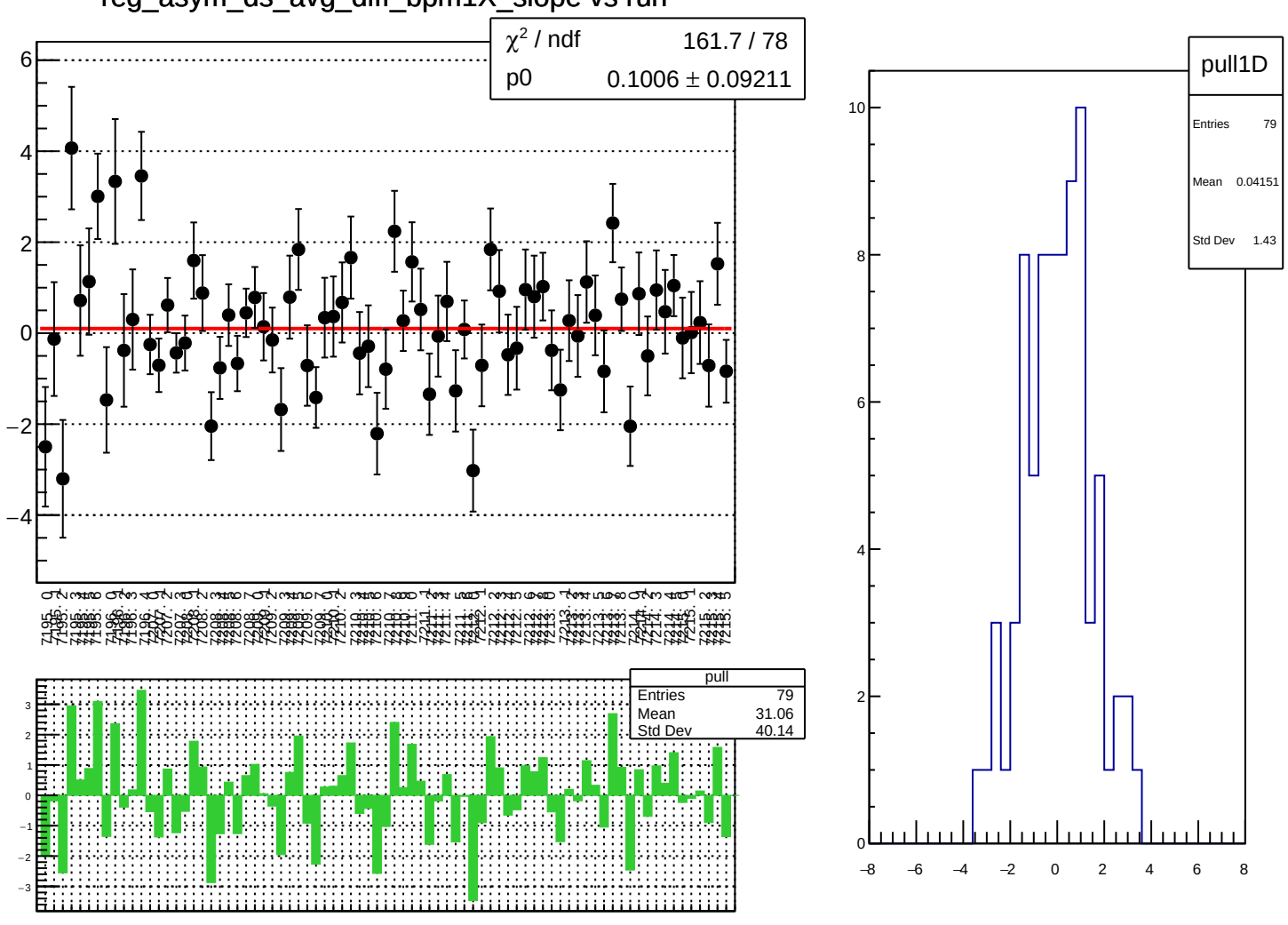

pull1D
Entries 79
Mean −0.2497
Std Dev 1.867

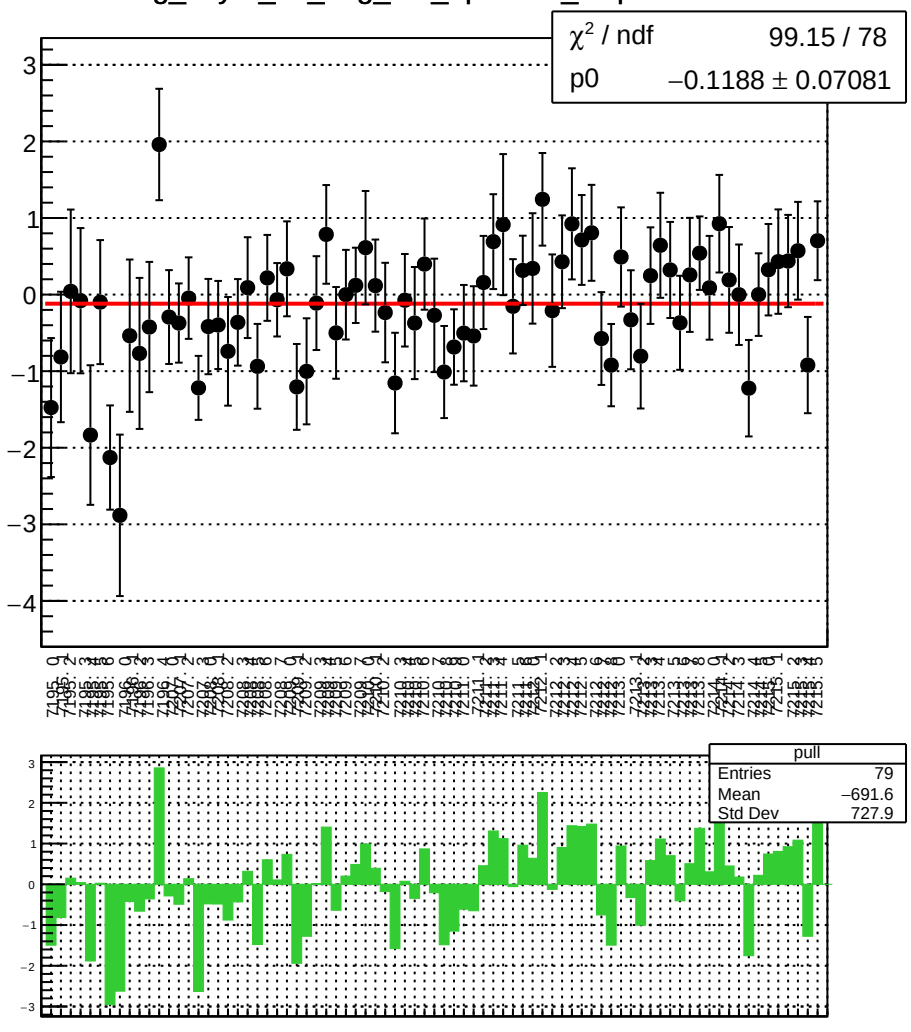

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 96.01 / 78
p0 −0.5981 ± 0.793
pull
Entries 79
Mean 360
Std Dev 318

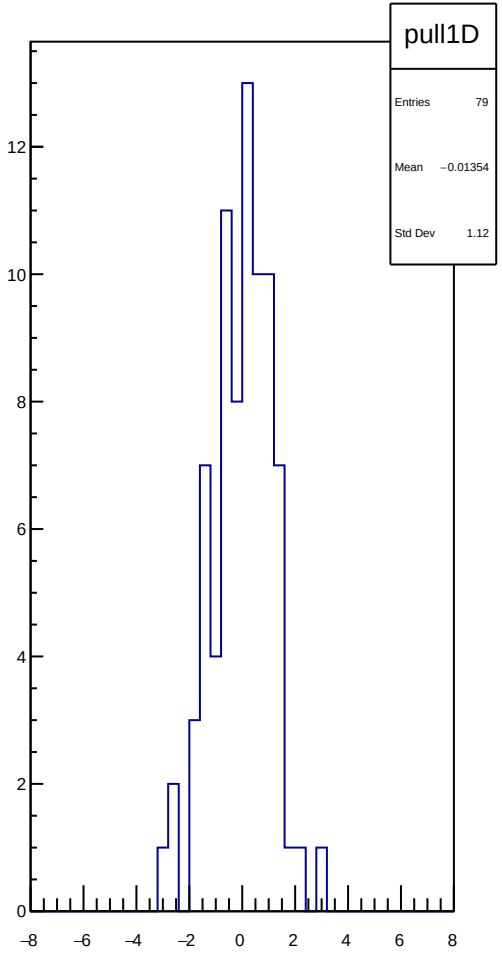

pull1D
Entries 79
Mean 0.03339
Std Dev 1.102

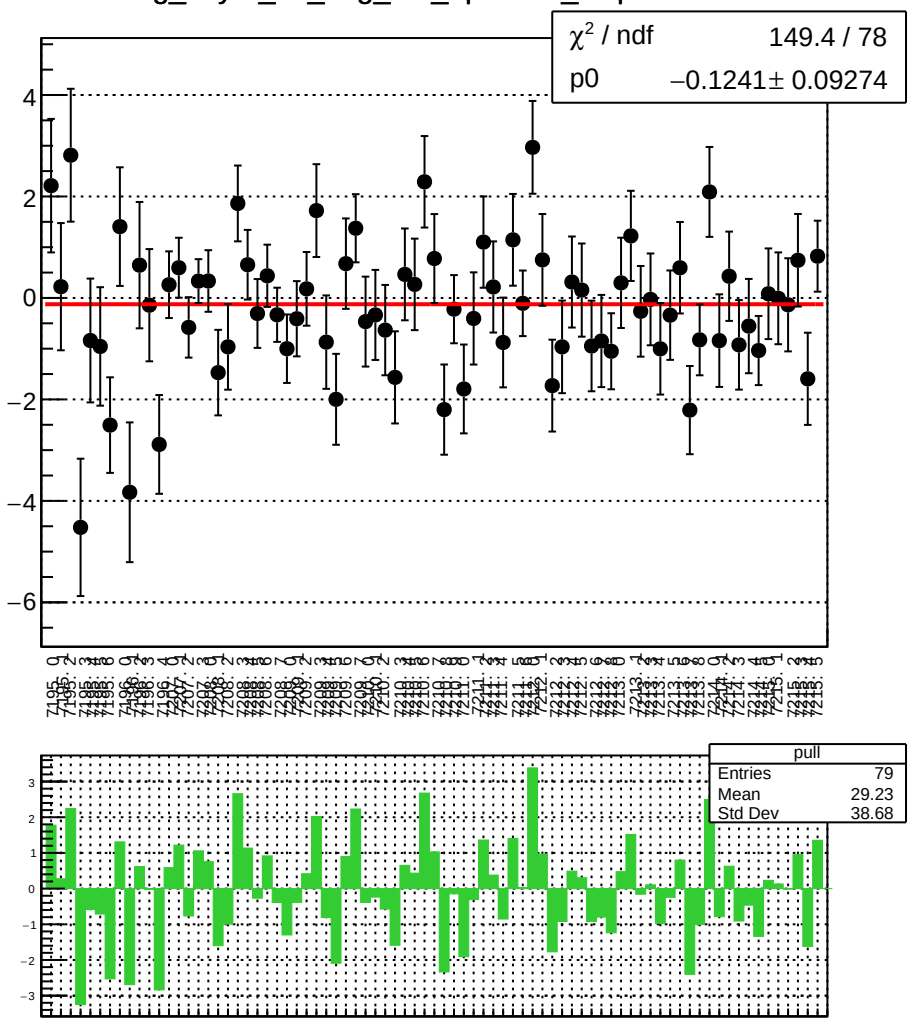

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 87.25 / 78
p0 0.1029 ± 0.0332
pull
Entries 79
Mean −476.8
Std Dev 514.4

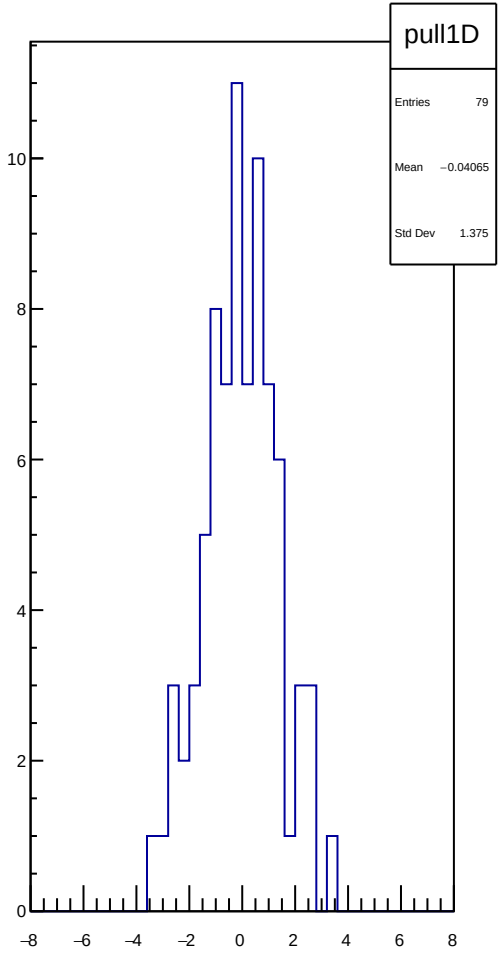

pull1D
Entries 79
Mean −0.02292
Std Dev 1.051

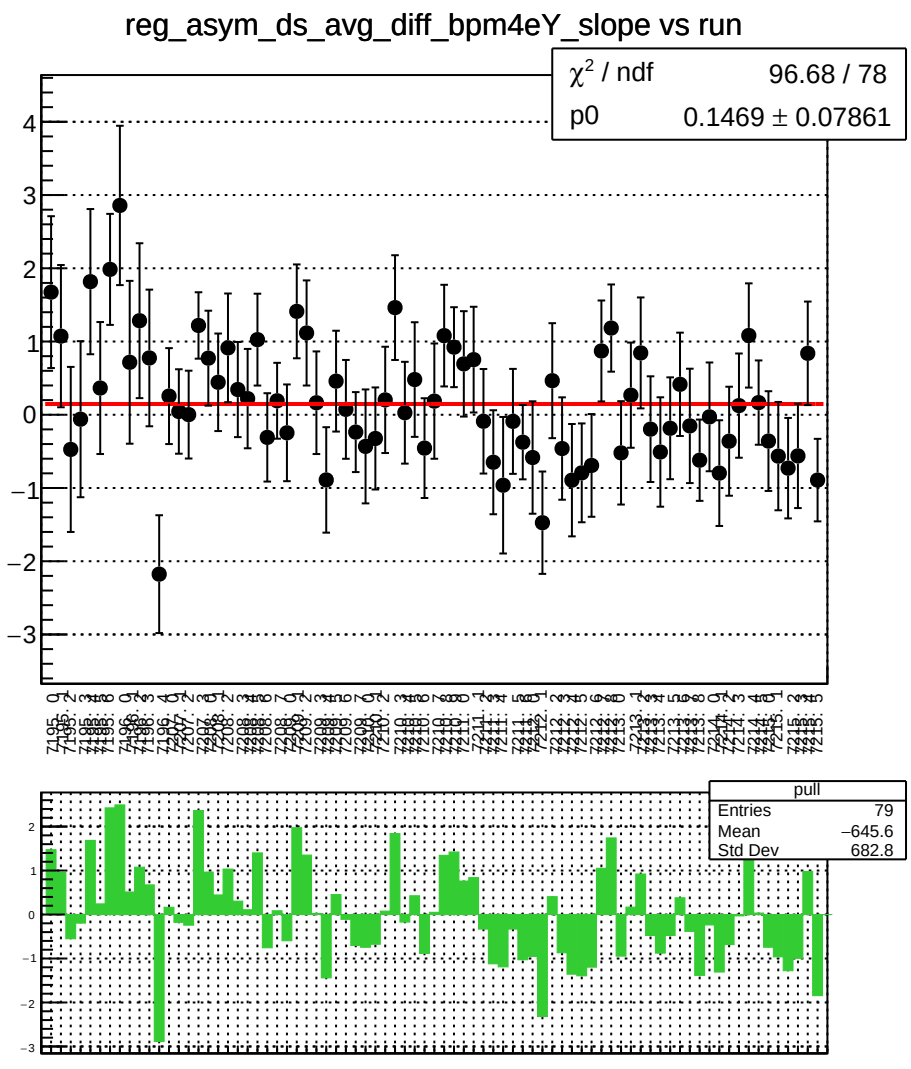

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 161.7 / 78
p0 0.1006 ± 0.09211
pull
Entries 79
Mean 31.06
Std Dev 40.14
pull1D
Entries 79
Mean 0.04151
Std Dev 1.43

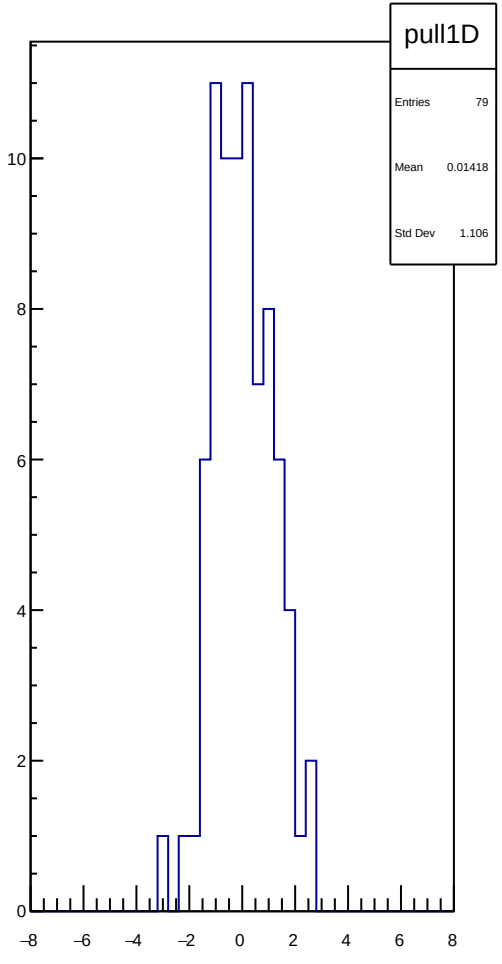

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 99.15 / 78
p0 −0.1188 ± 0.07081
pull
Entries 79
Mean −691.6
Std Dev 727.9

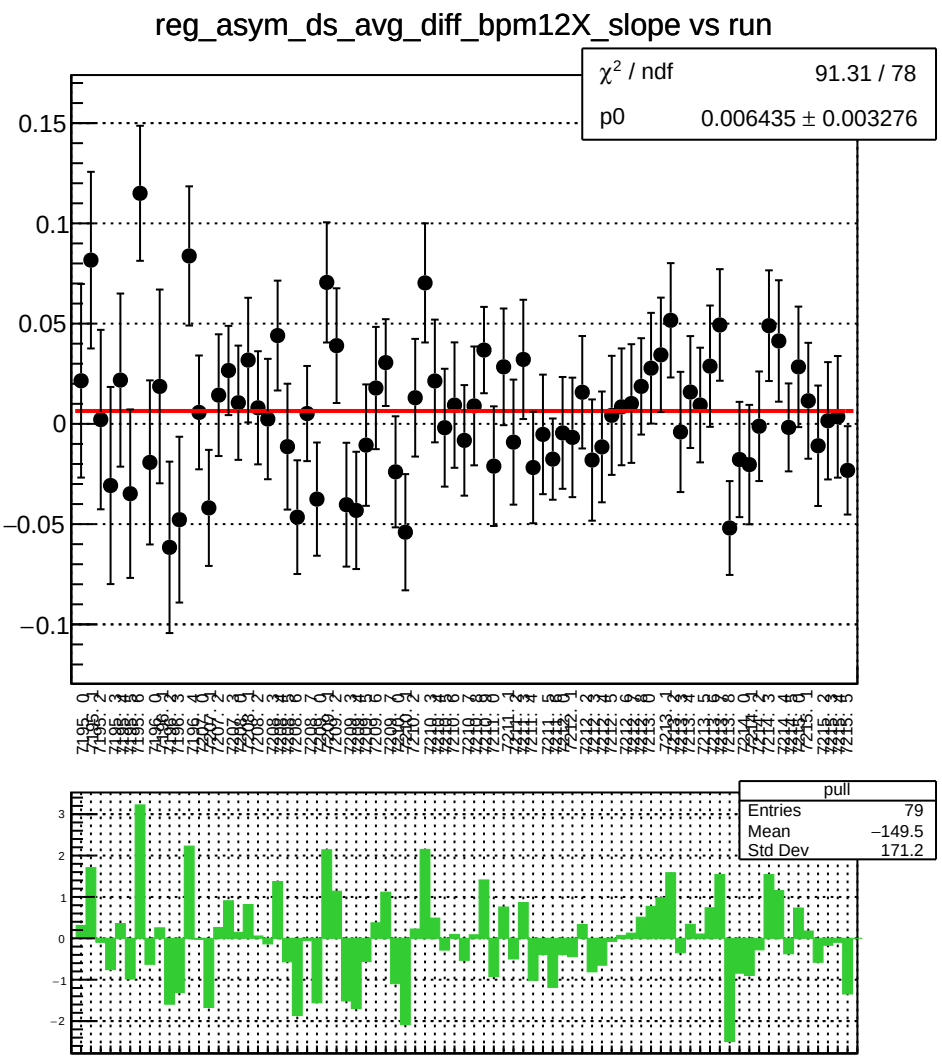

pull1D
Entries 79
Mean −0.01354
Std Dev 1.12

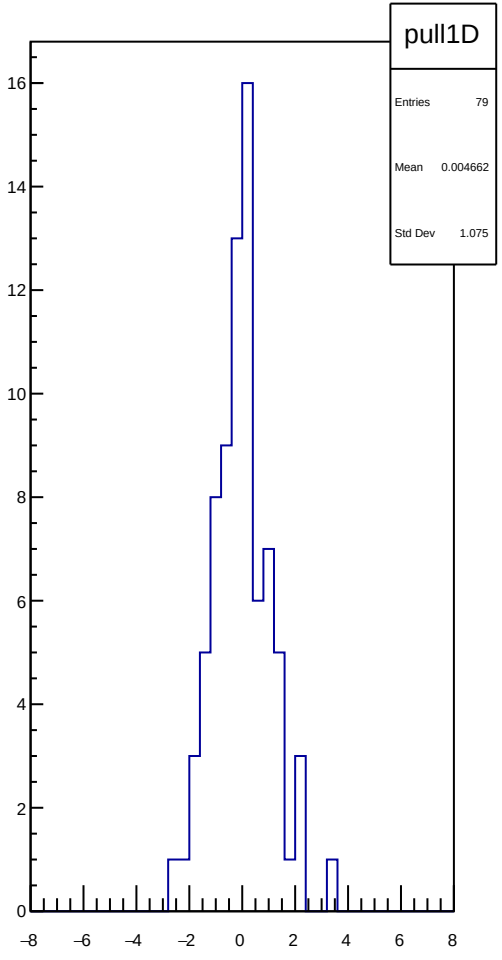

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 149.4 / 78
p0 −0.1241± 0.09274
pull
Entries 79
Mean 29.23
Std Dev 38.68

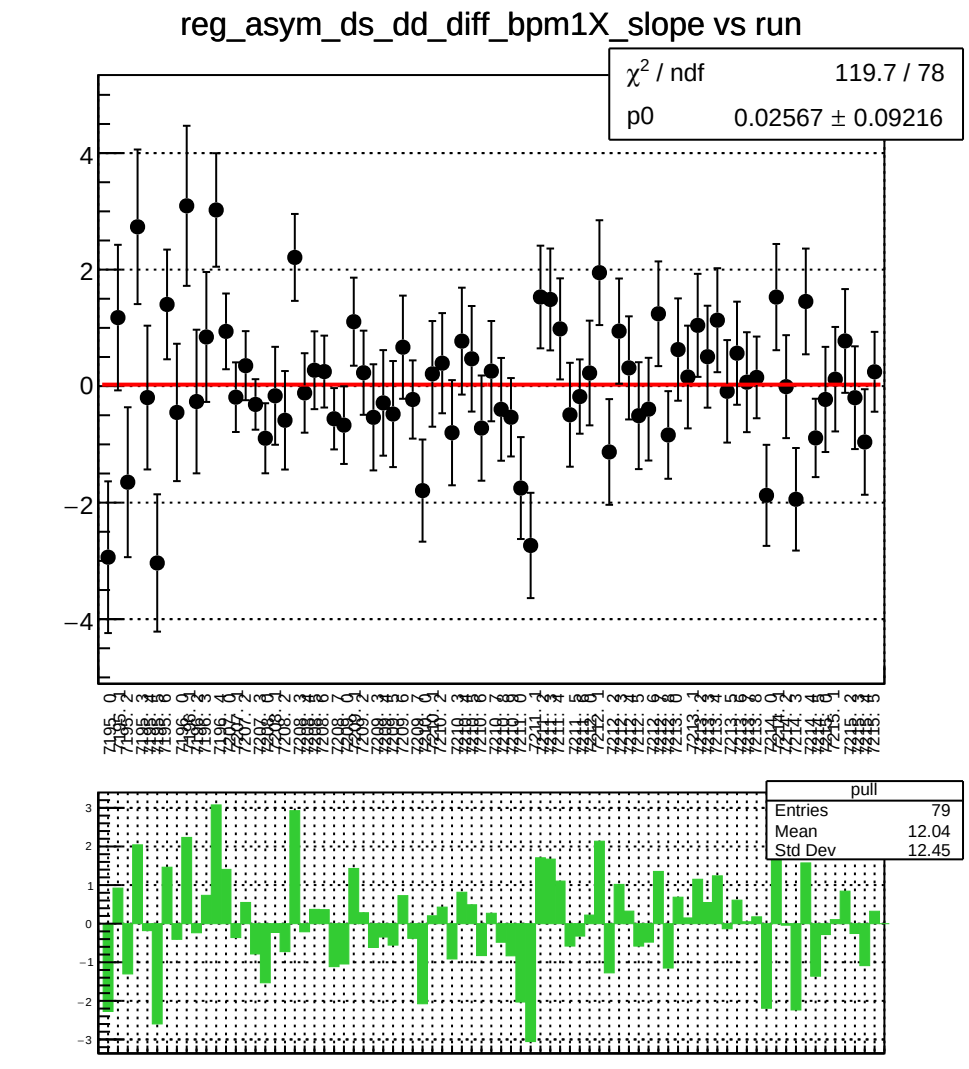

pull1D
Entries 79
Mean −0.04065
Std Dev 1.375

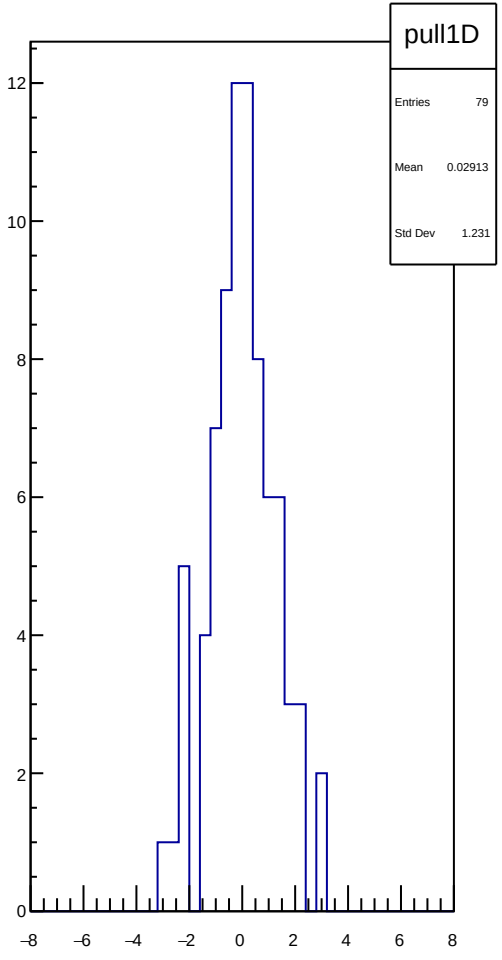

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 96.68 / 78
p0 0.1469 ± 0.07861
pull
Entries 79
Mean −645.6
Std Dev 682.8

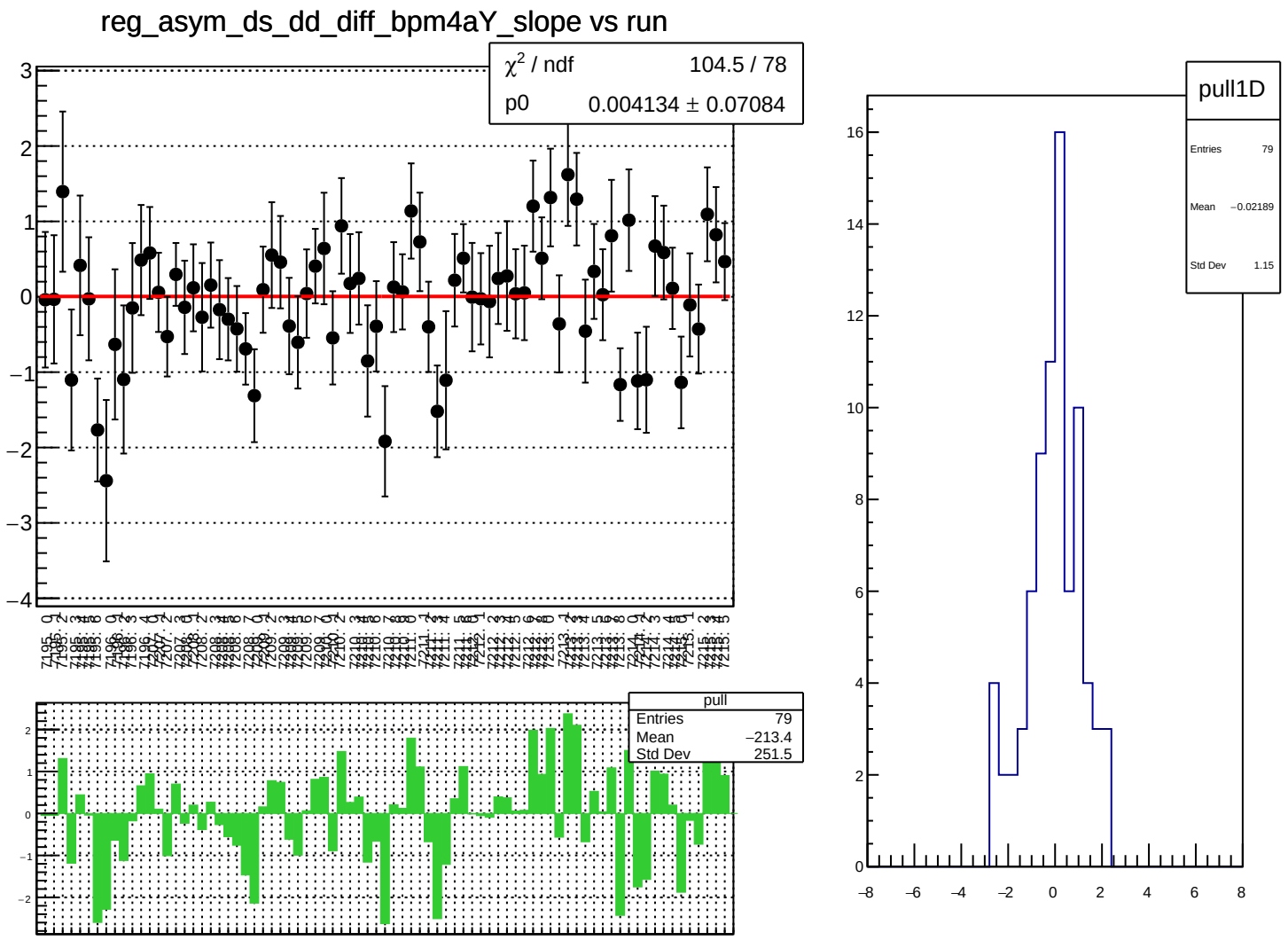

pull1D
Entries 79
Mean 0.01418
Std Dev 1.106

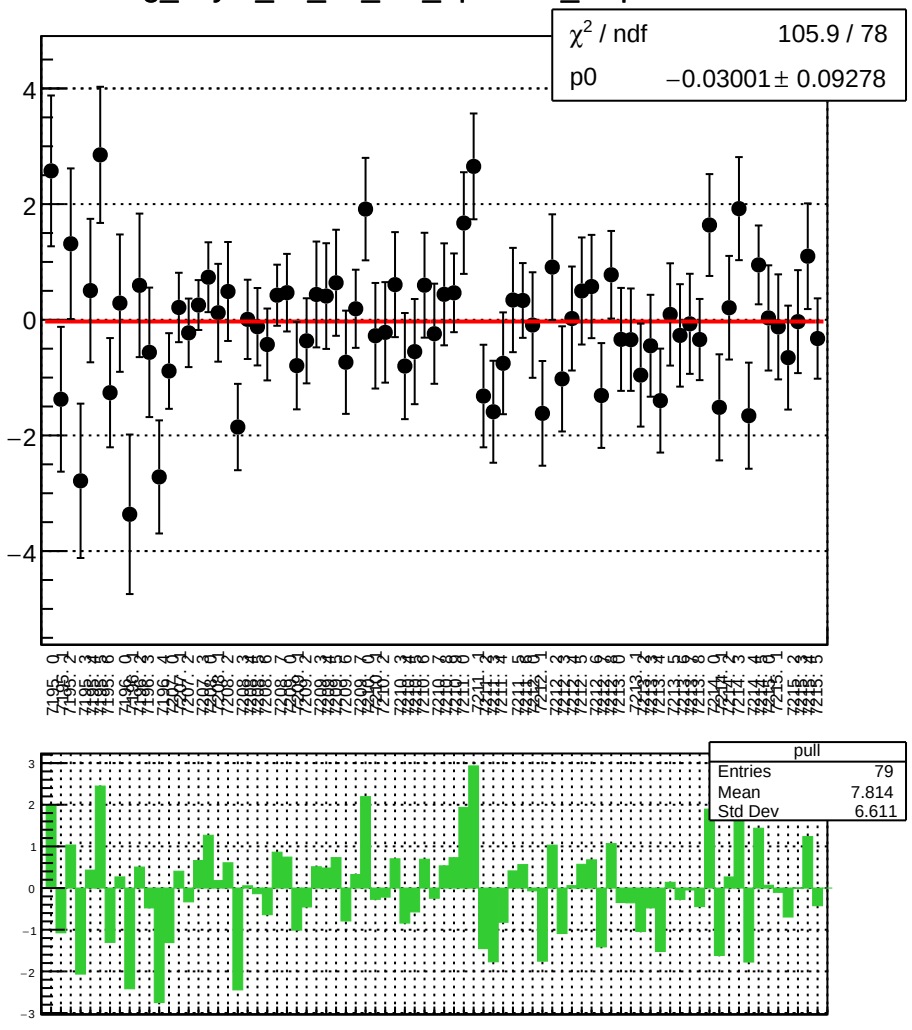

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 91.31 / 78
p0 0.006435 ± 0.003276
pull
Entries 79
Mean −149.5
Std Dev 171.2

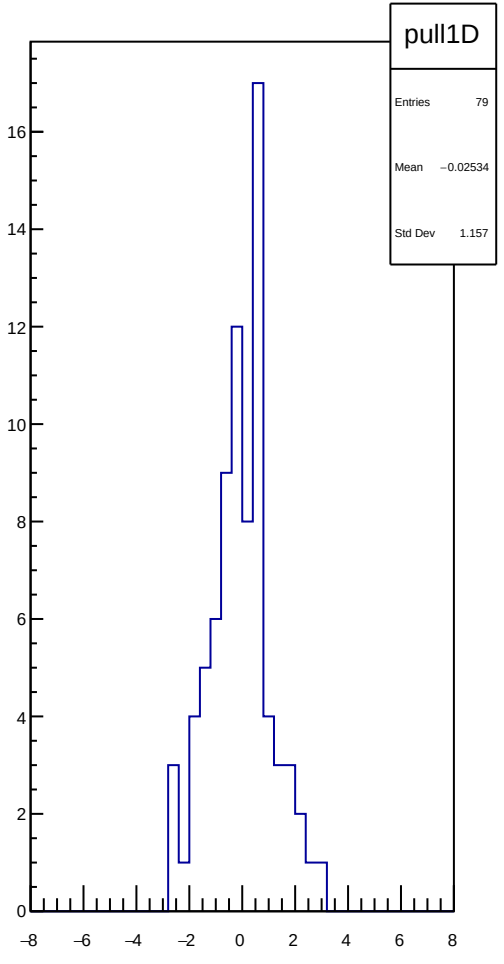

pull1D
Entries 79
Mean 0.004662
Std Dev 1.075

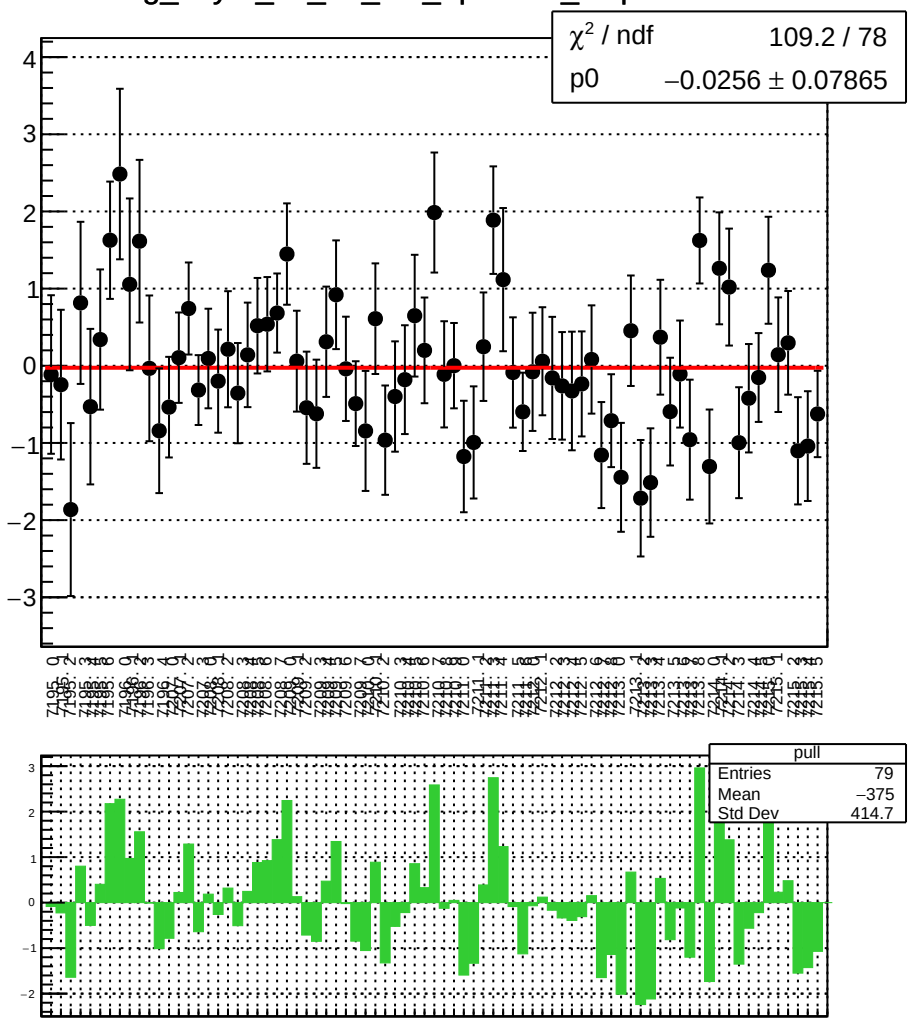

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 119.7 / 78
p0 0.02567 ± 0.09216
pull
Entries 79
Mean 12.04
Std Dev 12.45

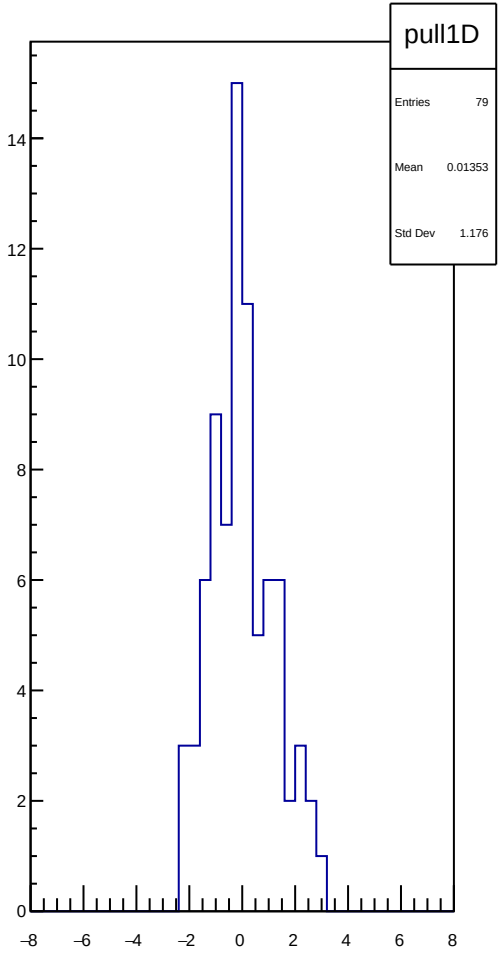

pull1D
Entries 79
Mean 0.02913
Std Dev 1.231

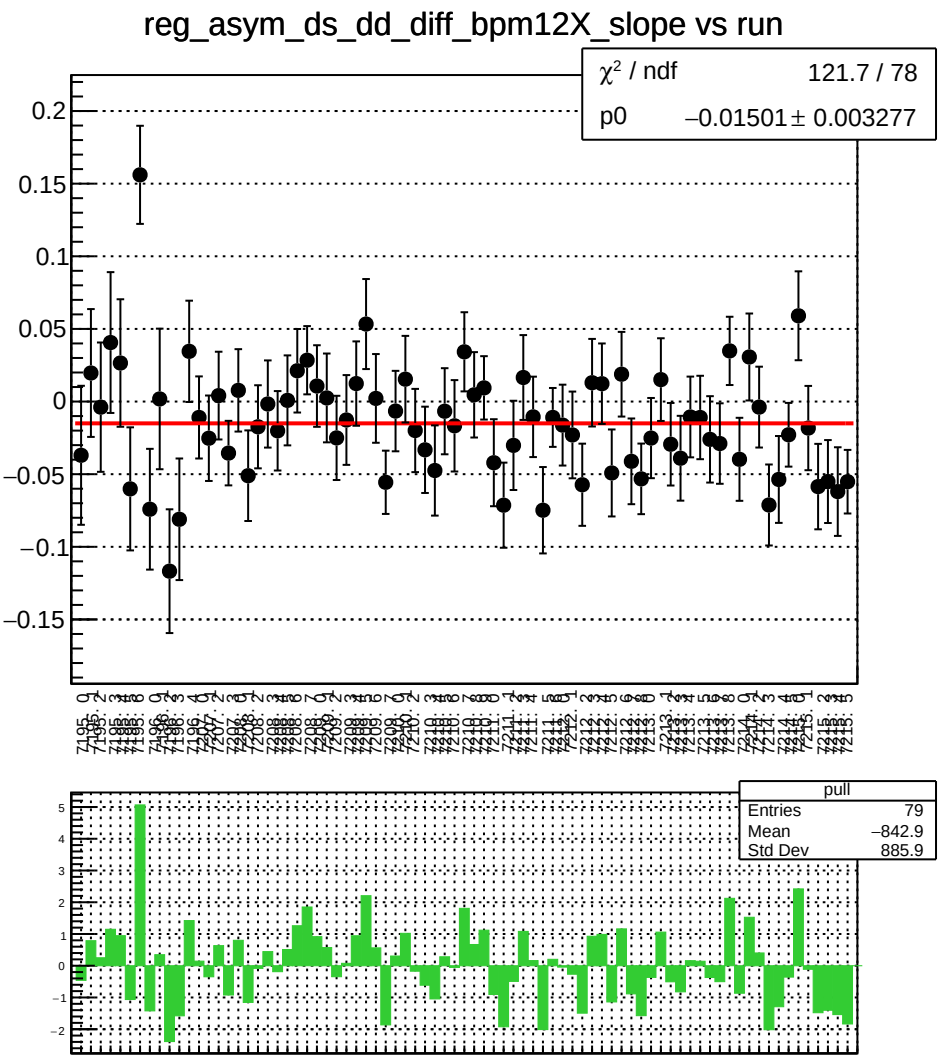

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 104.5 / 78
p0 0.004134 ± 0.07084
pull
Entries 79
Mean −213.4
Std Dev 251.5
pull1D
Entries 79
Mean −0.02189
Std Dev 1.15

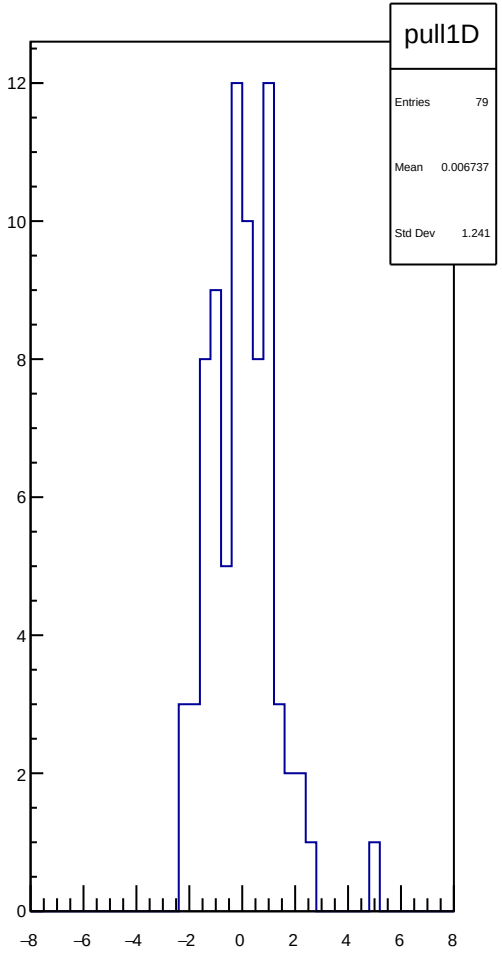

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 105.9 / 78
p0 −0.03001 ± 0.09278
pull
Entries 79
Mean 7.814
Std Dev 6.611

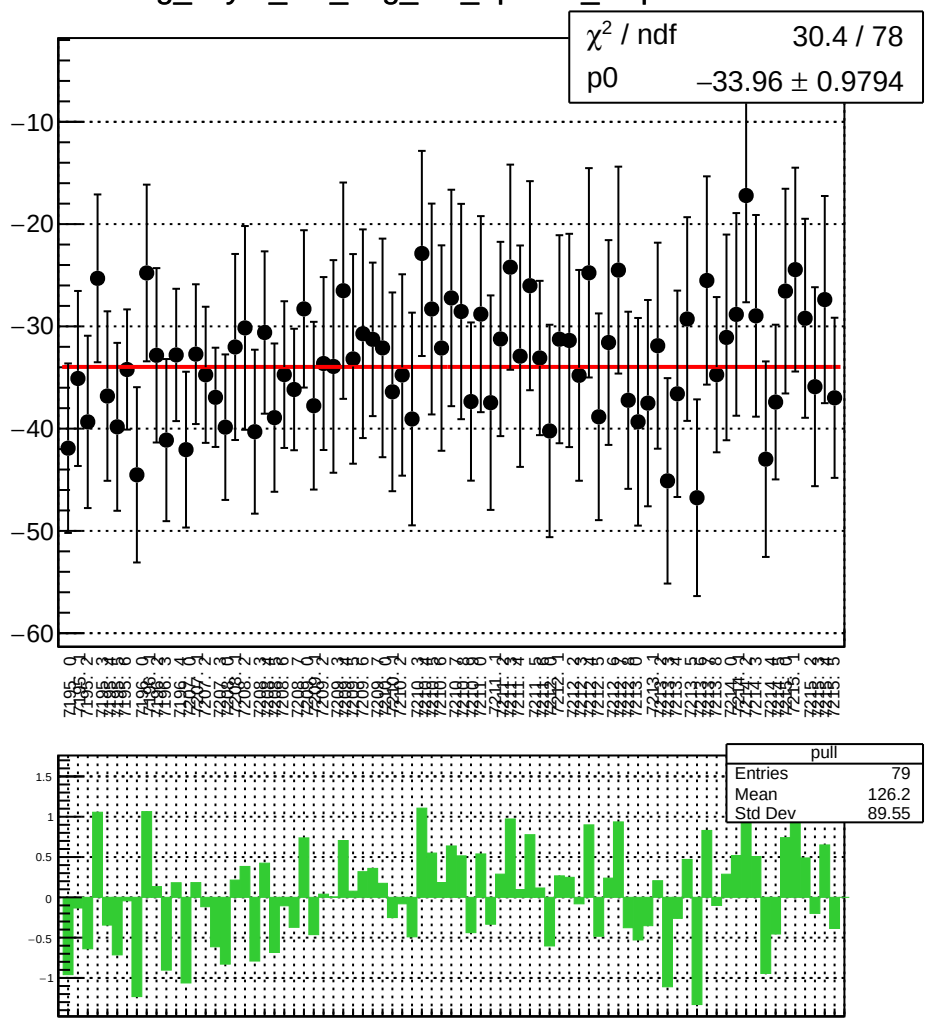

pull1D
Entries 79
Mean −0.02534
Std Dev 1.157

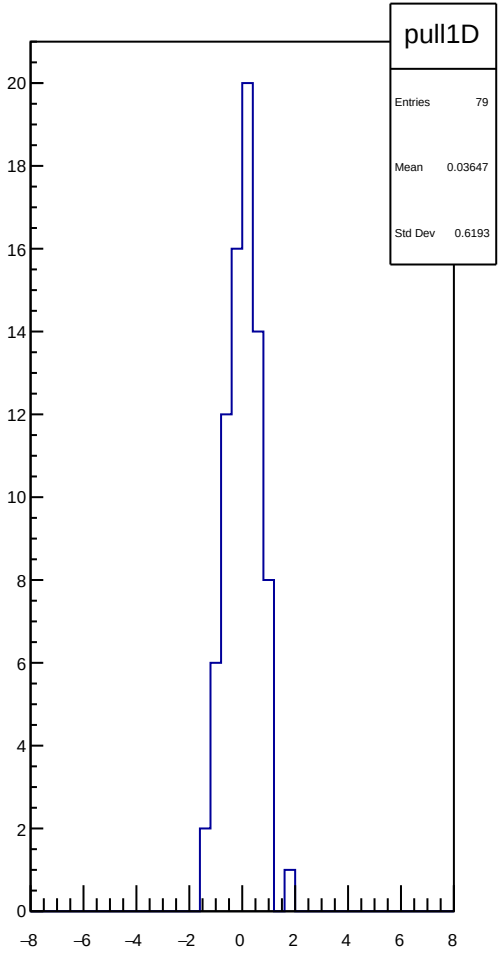

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 109.2 / 78
p0 −0.0256 ± 0.07865
pull
Entries 79
Mean −375
Std Dev 414.7

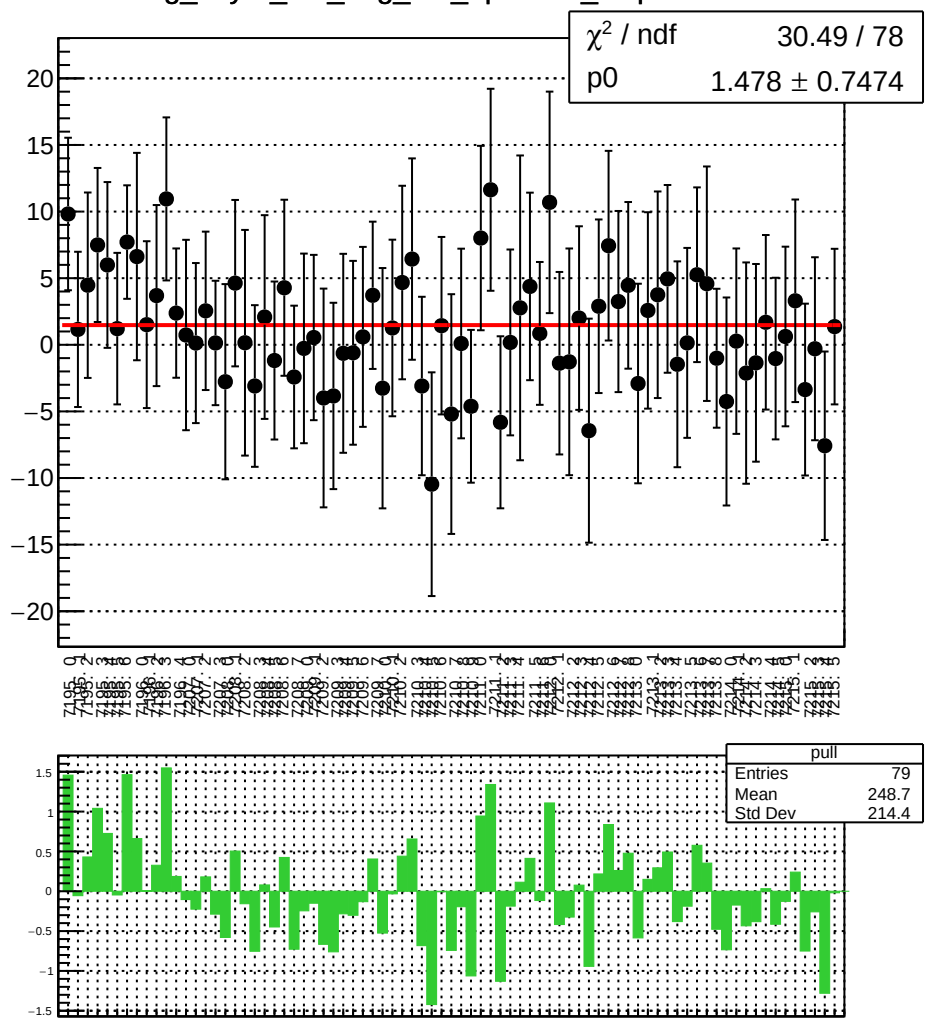

pull1D
Entries 79
Mean 0.01353
Std Dev 1.176

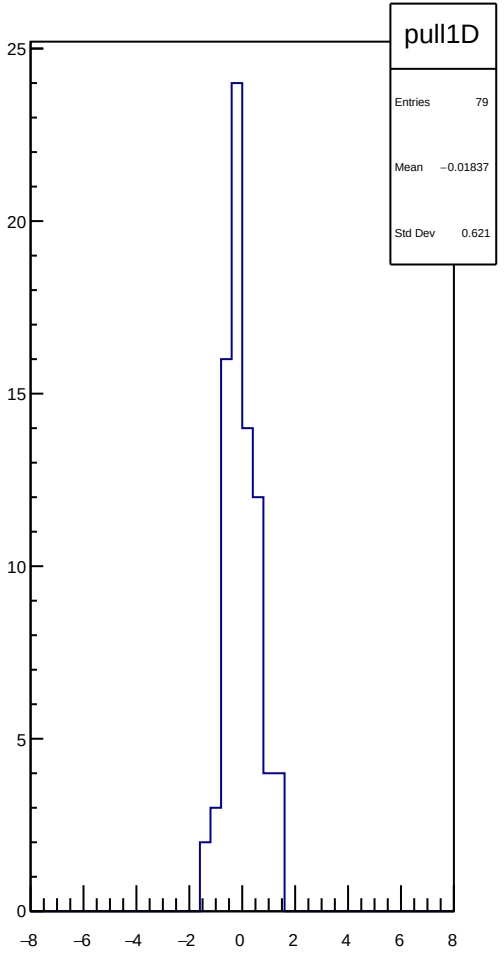

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 121.7 / 78
p0 −0.01501 ± 0.003277
pull
Entries 79
Mean −842.9
Std Dev 885.9

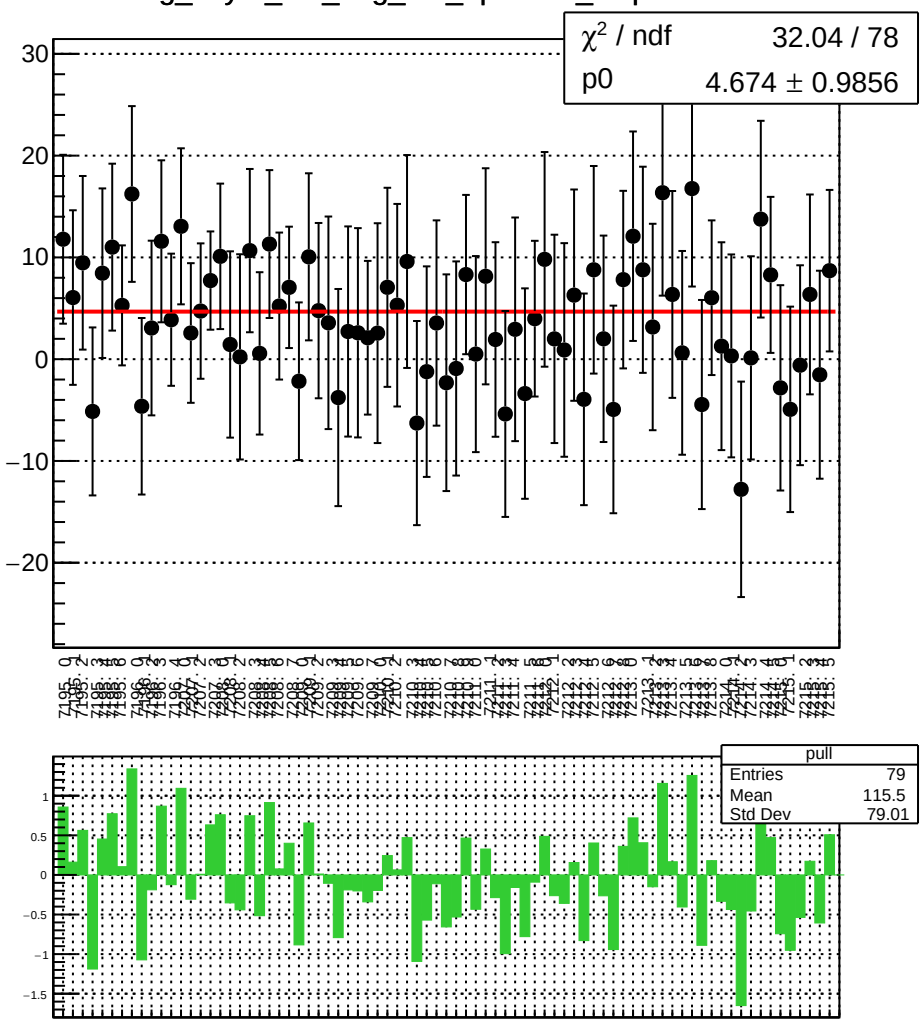

pull1D
Entries 79
Mean 0.006737
Std Dev 1.241

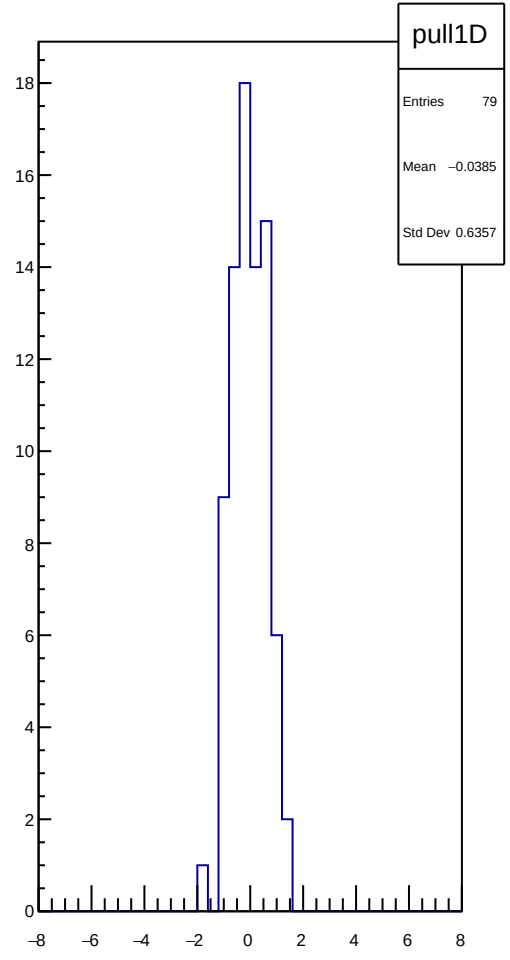

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 30.4 / 78
p0 −33.96 ± 0.9794
pull
Entries 79
Mean 126.2
Std Dev 89.55

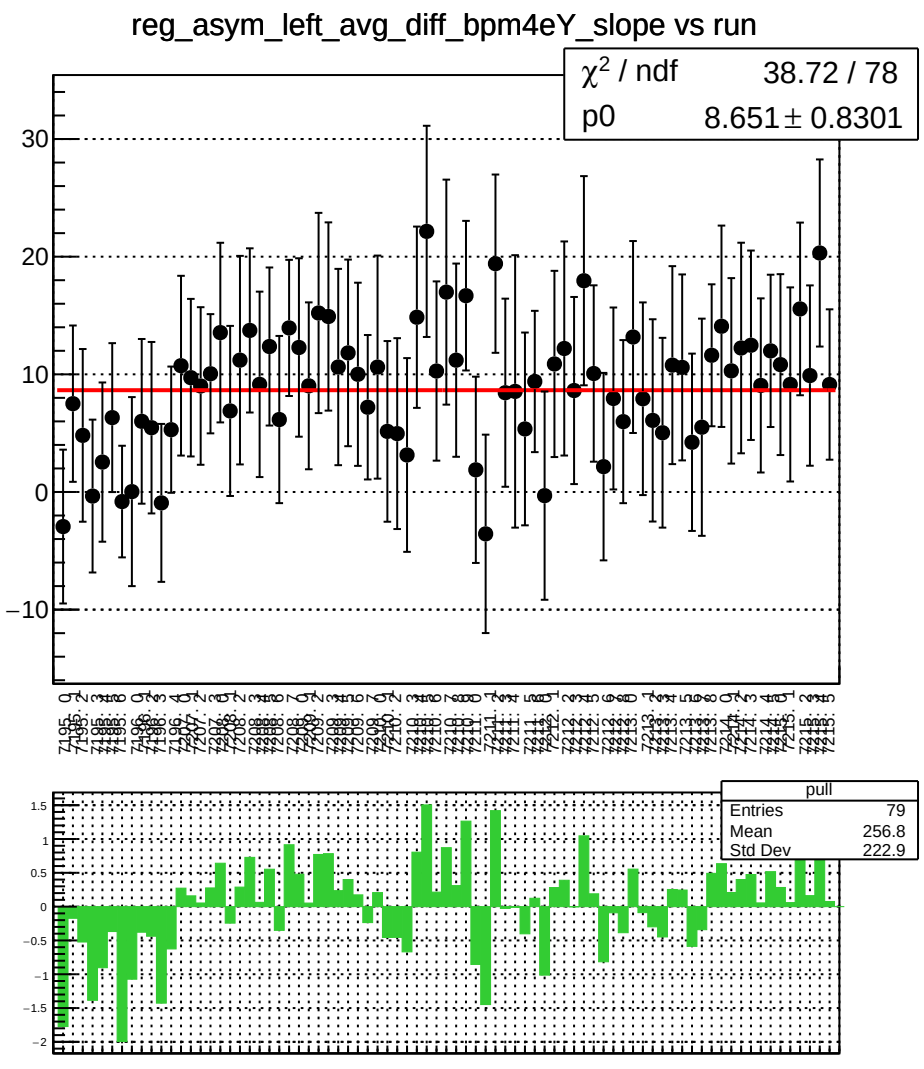

pull1D
Entries 79
Mean 0.03647
Std Dev 0.6193

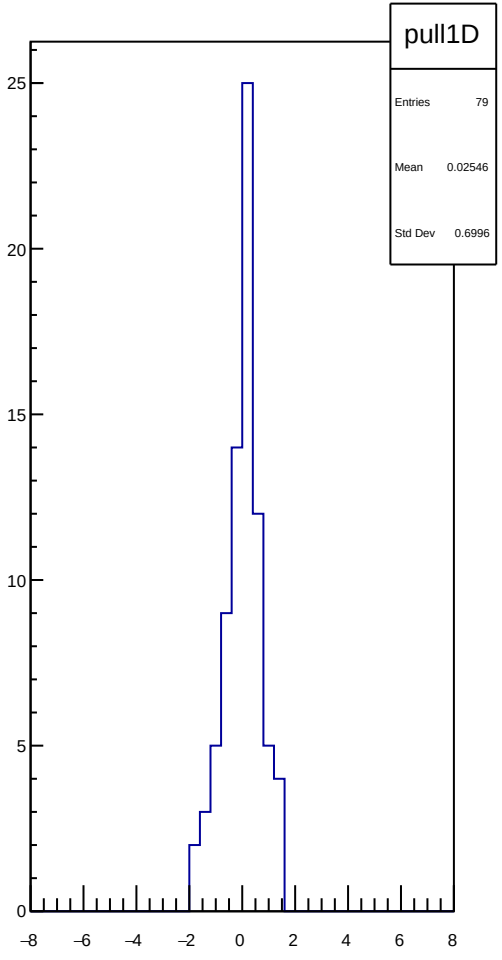

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 30.49 / 78
p0 1.478 ± 0.7474
pull
Entries 79
Mean 248.7
Std Dev 214.4

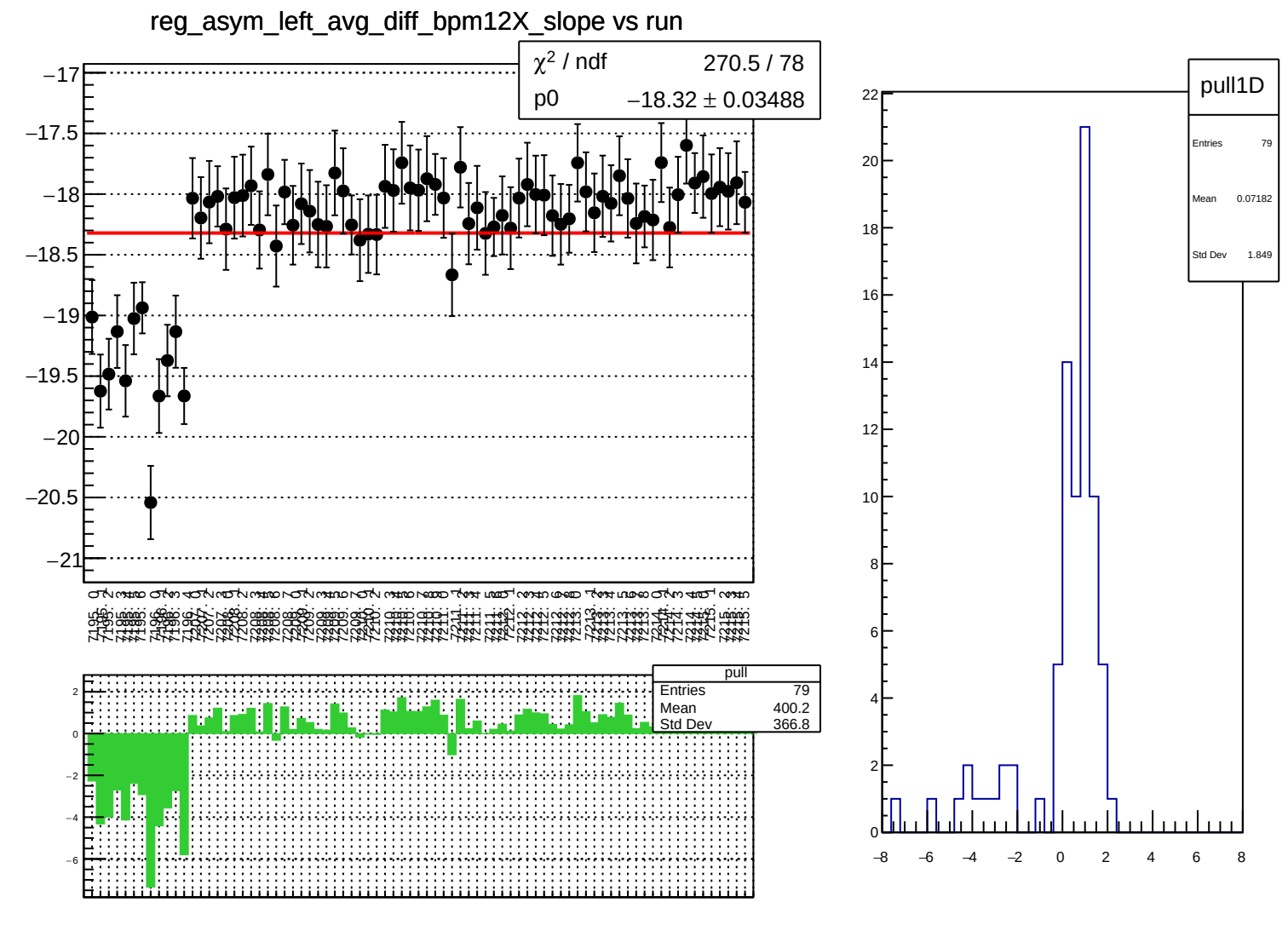

pull1D
Entries 79
Mean −0.01837
Std Dev 0.621

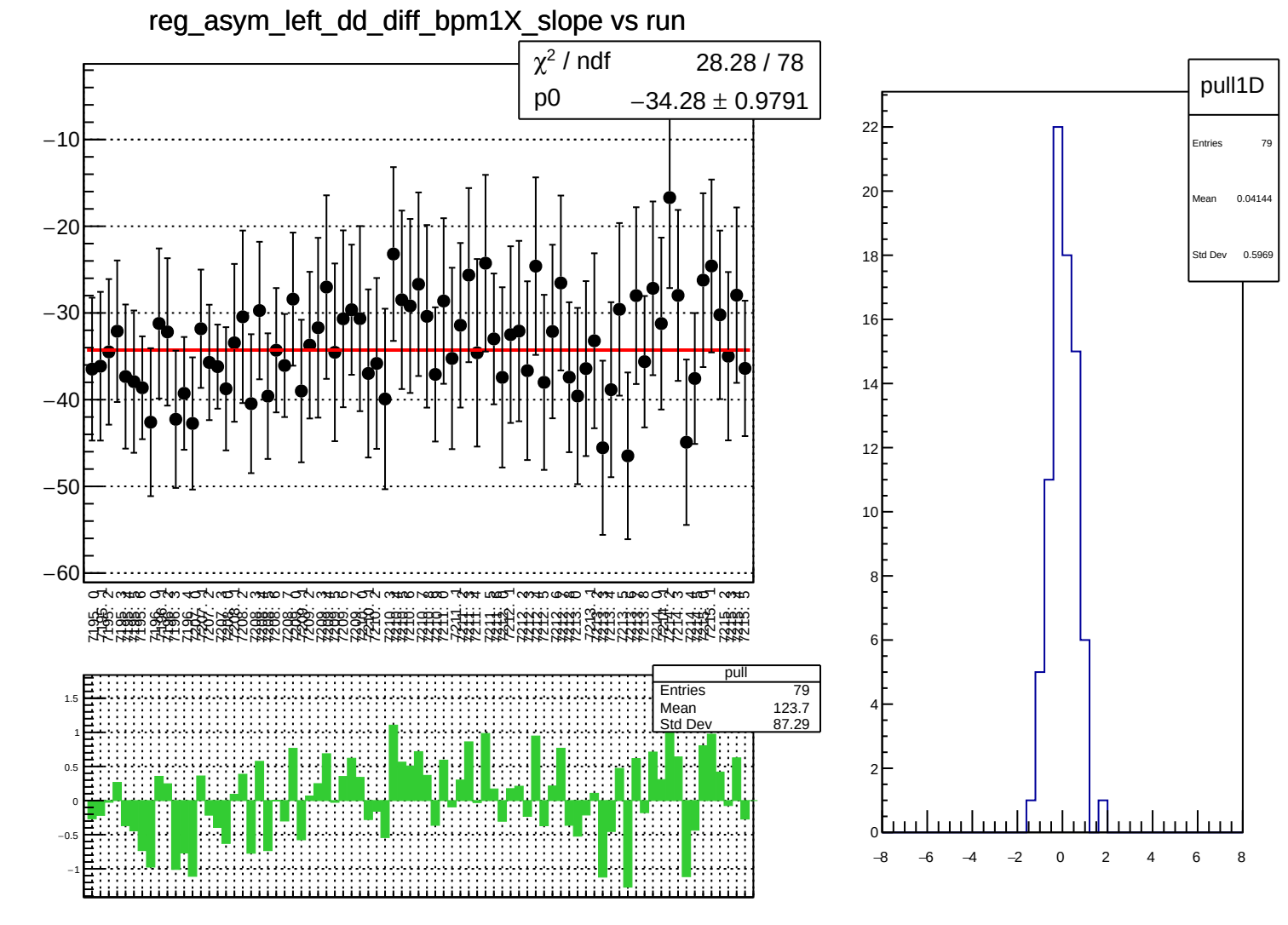

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 32.04 / 78
p0 4.674 ± 0.9856
pull
Entries 79
Mean 115.5
Std Dev 79.01

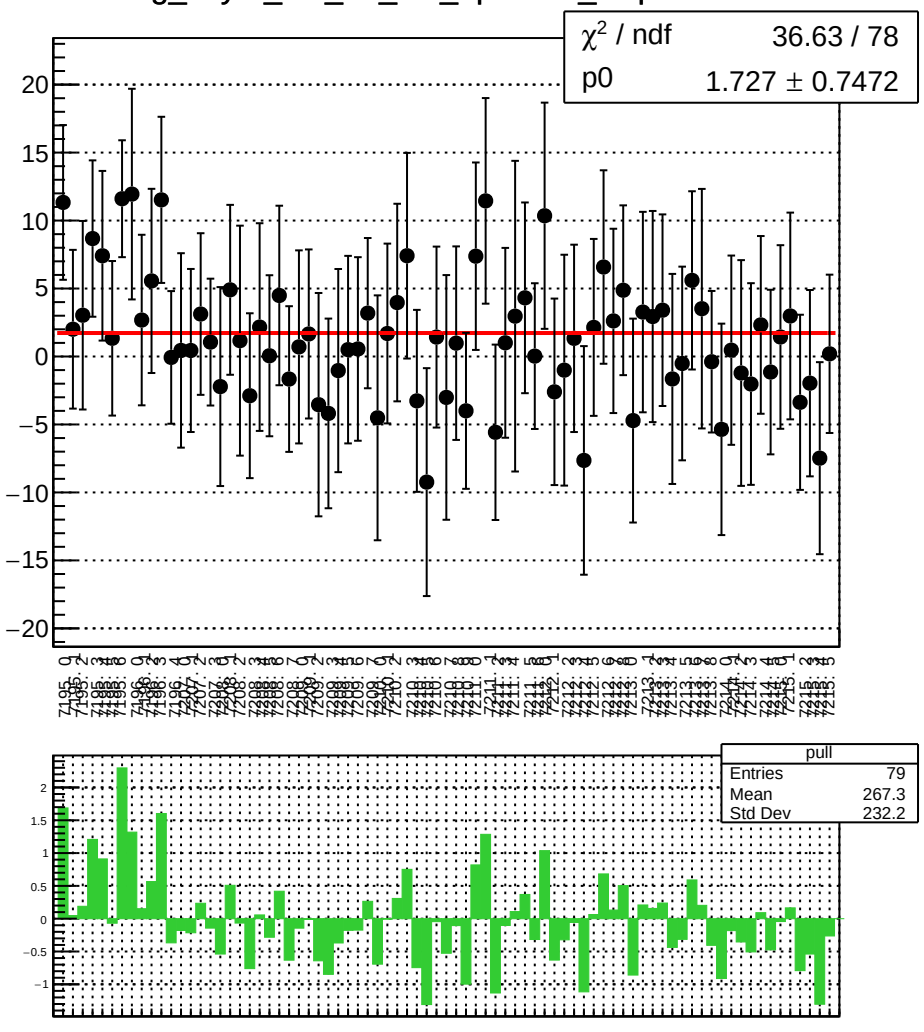

pull1D
Entries 79
Mean −0.0385
Std Dev 0.6357

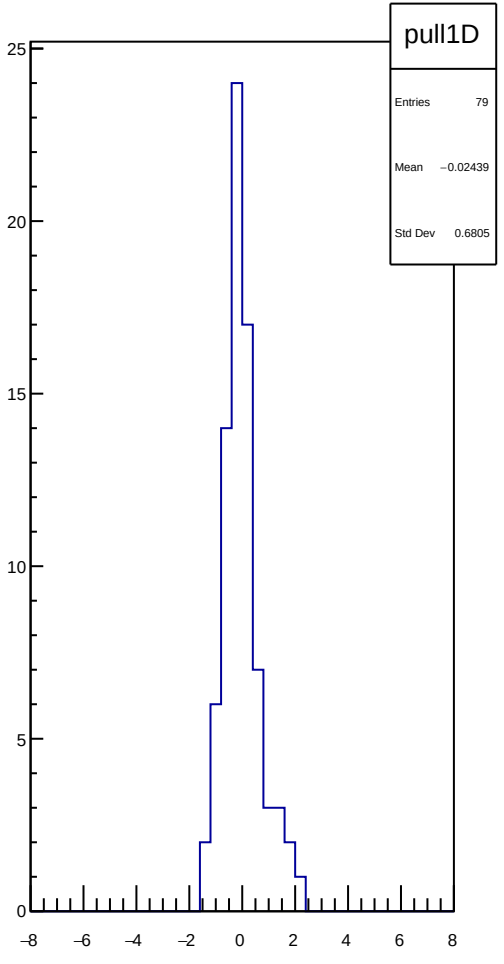

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 38.72 / 78
p0 8.651 ± 0.8301
pull
Entries 79
Mean 256.8
Std Dev 222.9

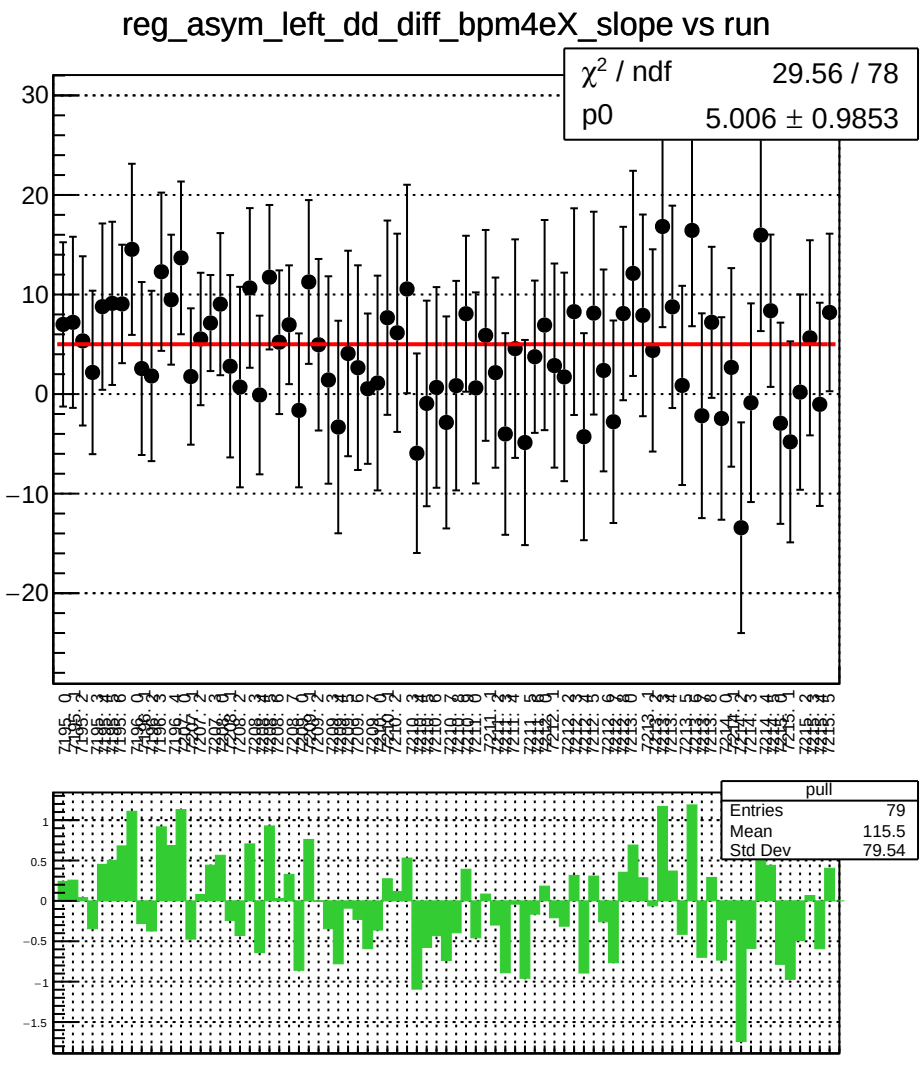

pull1D
Entries 79
Mean 0.02546
Std Dev 0.6996

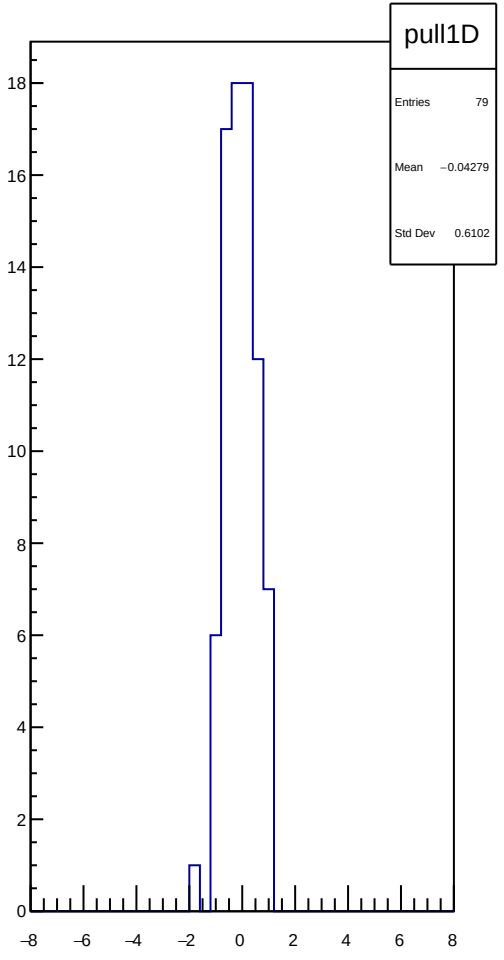

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 270.5 / 78
p0 −18.32 ± 0.03488
pull
Entries 79
Mean 400.2
Std Dev 366.8
pull1D
Entries 79
Mean 0.07182
Std Dev 1.849

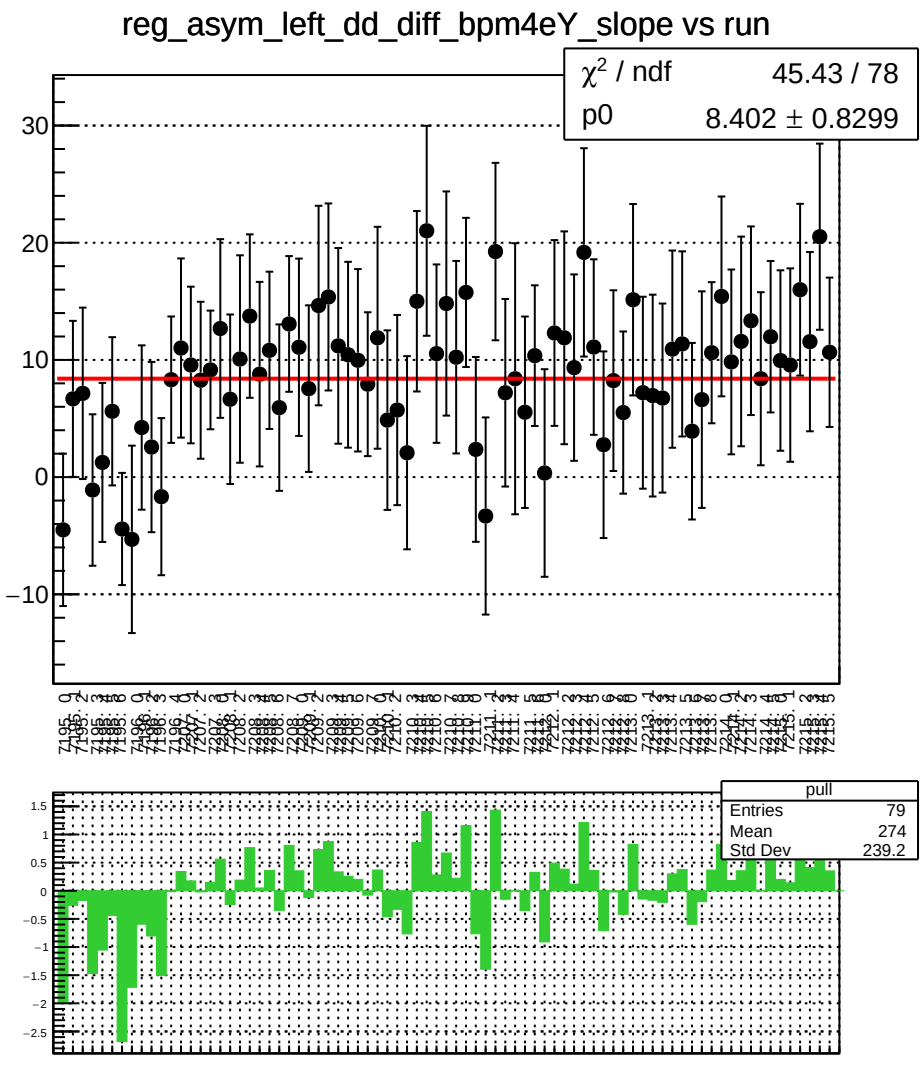

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 28.28 / 78
p0 −34.28 ± 0.9791
pull
Entries 79
Mean 123.7
Std Dev 87.29
pull1D
Entries 79
Mean 0.04144
Std Dev 0.5969

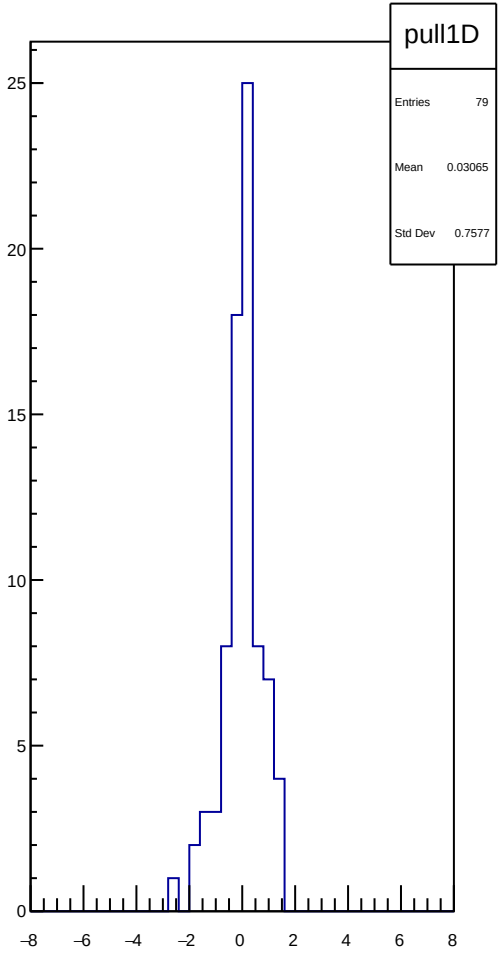

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 36.63 / 78
p0 1.727 ± 0.7472
pull
Entries 79
Mean 267.3
Std Dev 232.2

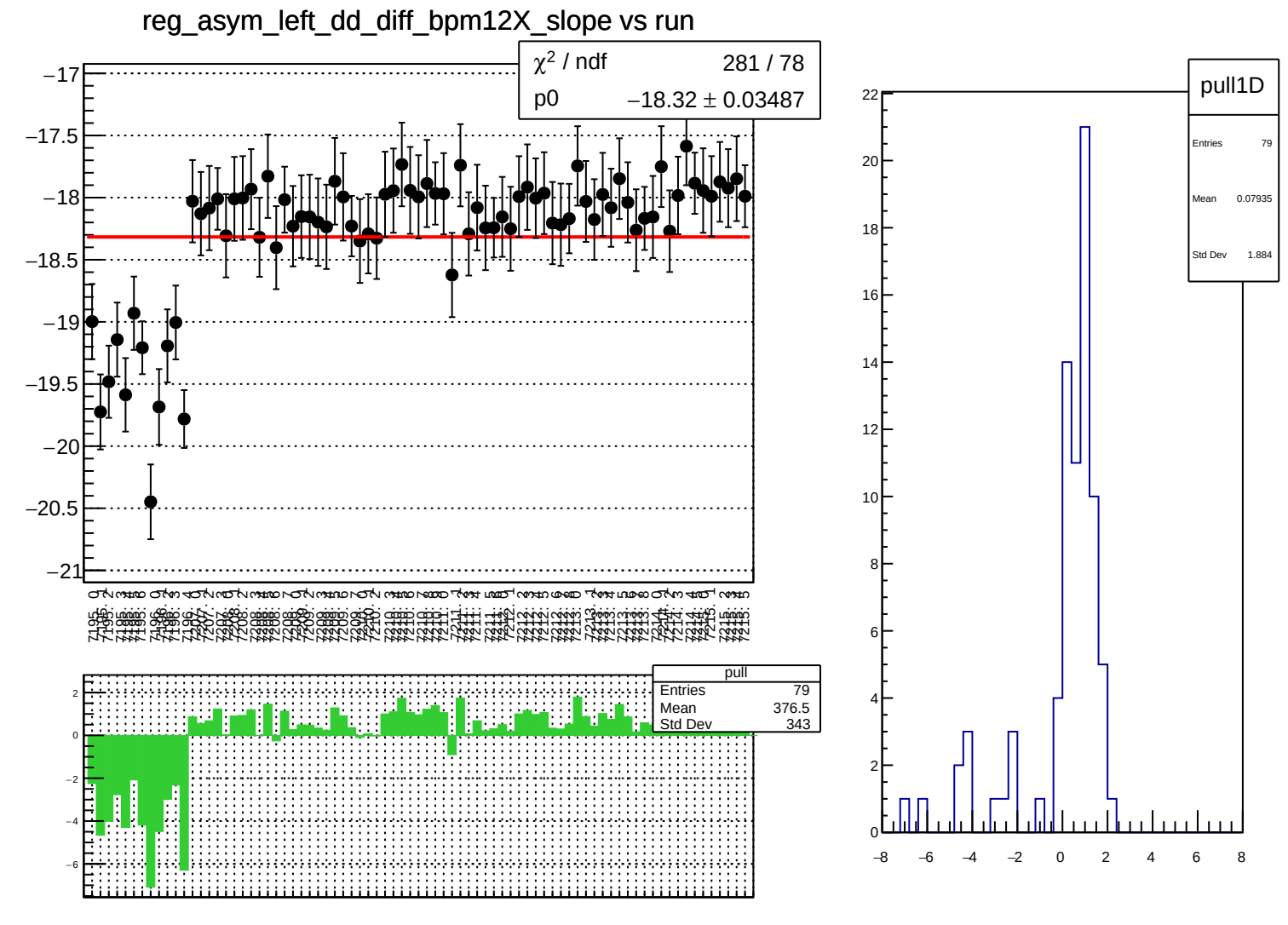

pull1D
Entries 79
Mean −0.02439
Std Dev 0.6805

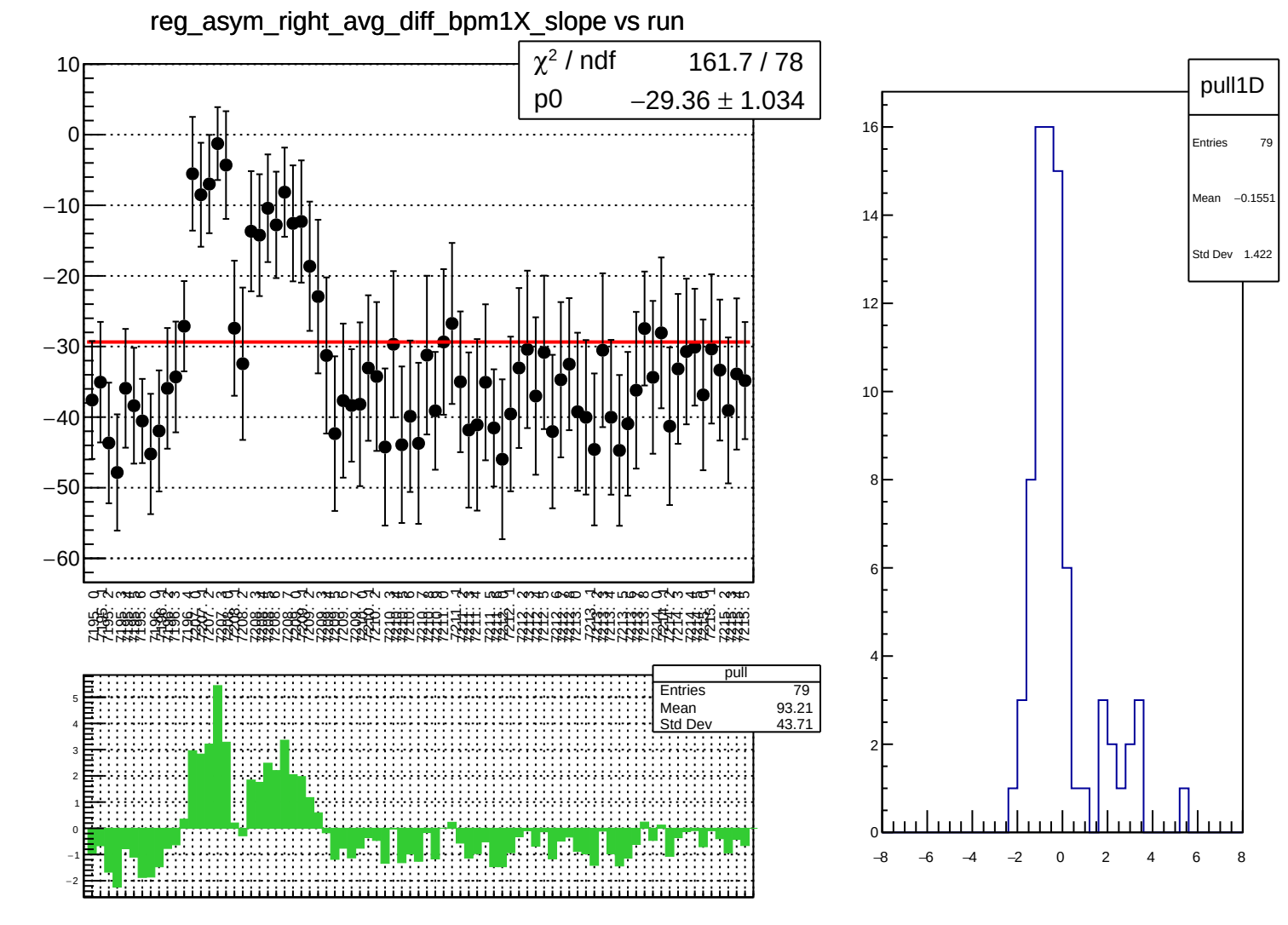

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 29.56 / 78
p0 5.006 ± 0.9853
pull
Entries 79
Mean 115.5
Std Dev 79.54

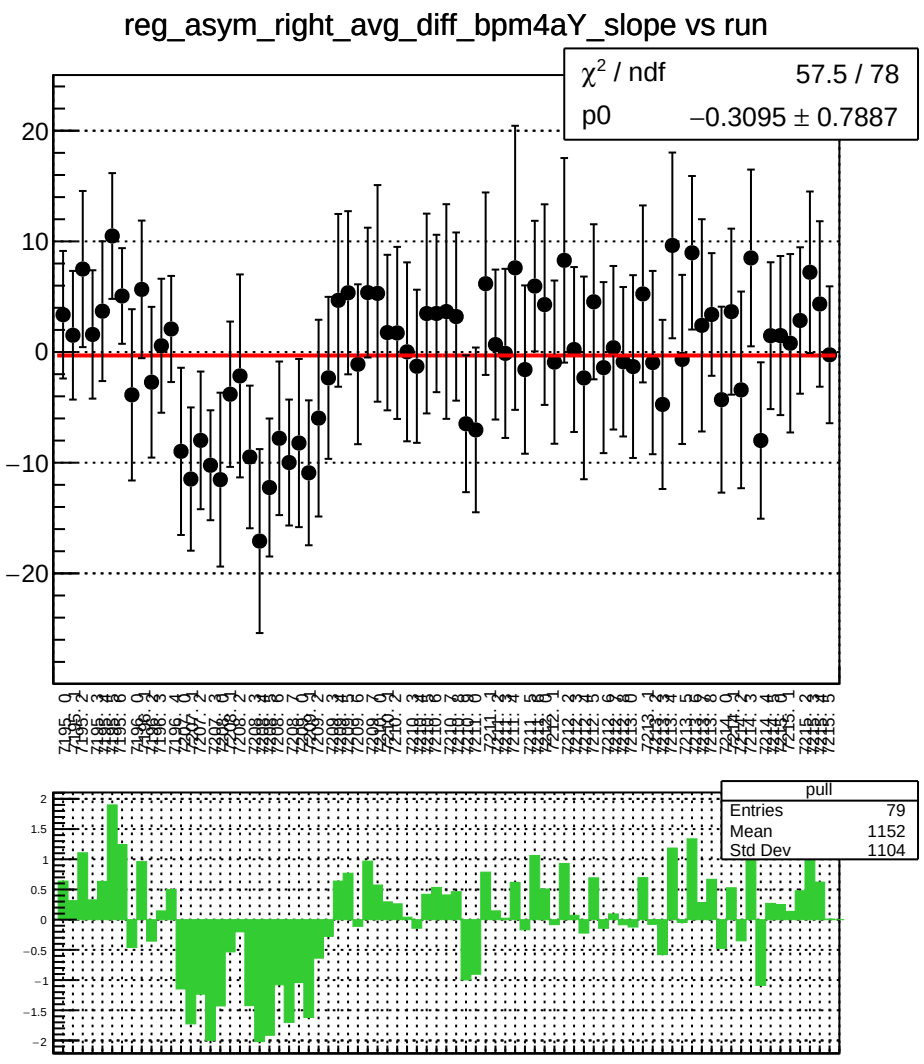

pull1D
Entries 79
Mean −0.04279
Std Dev 0.6102

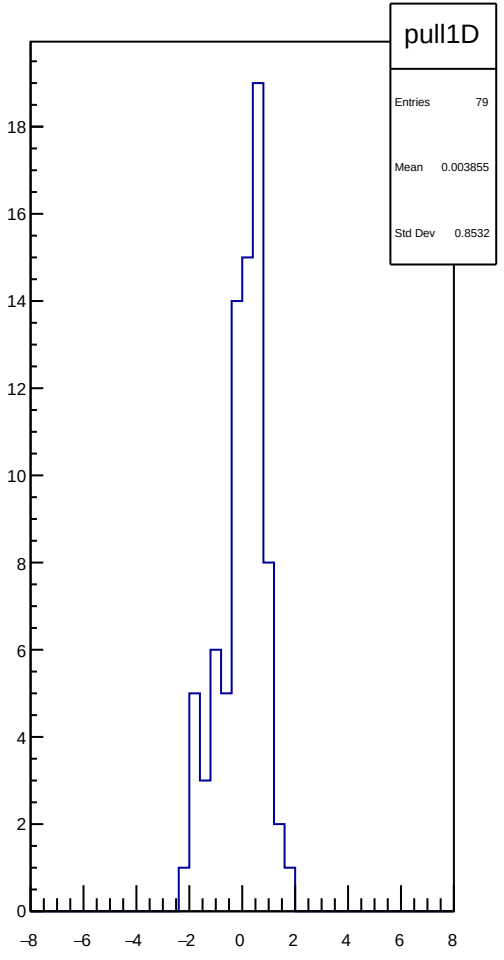

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 45.43 / 78
p0 8.402 ± 0.8299
pull
Entries 79
Mean 274
Std Dev 239.2

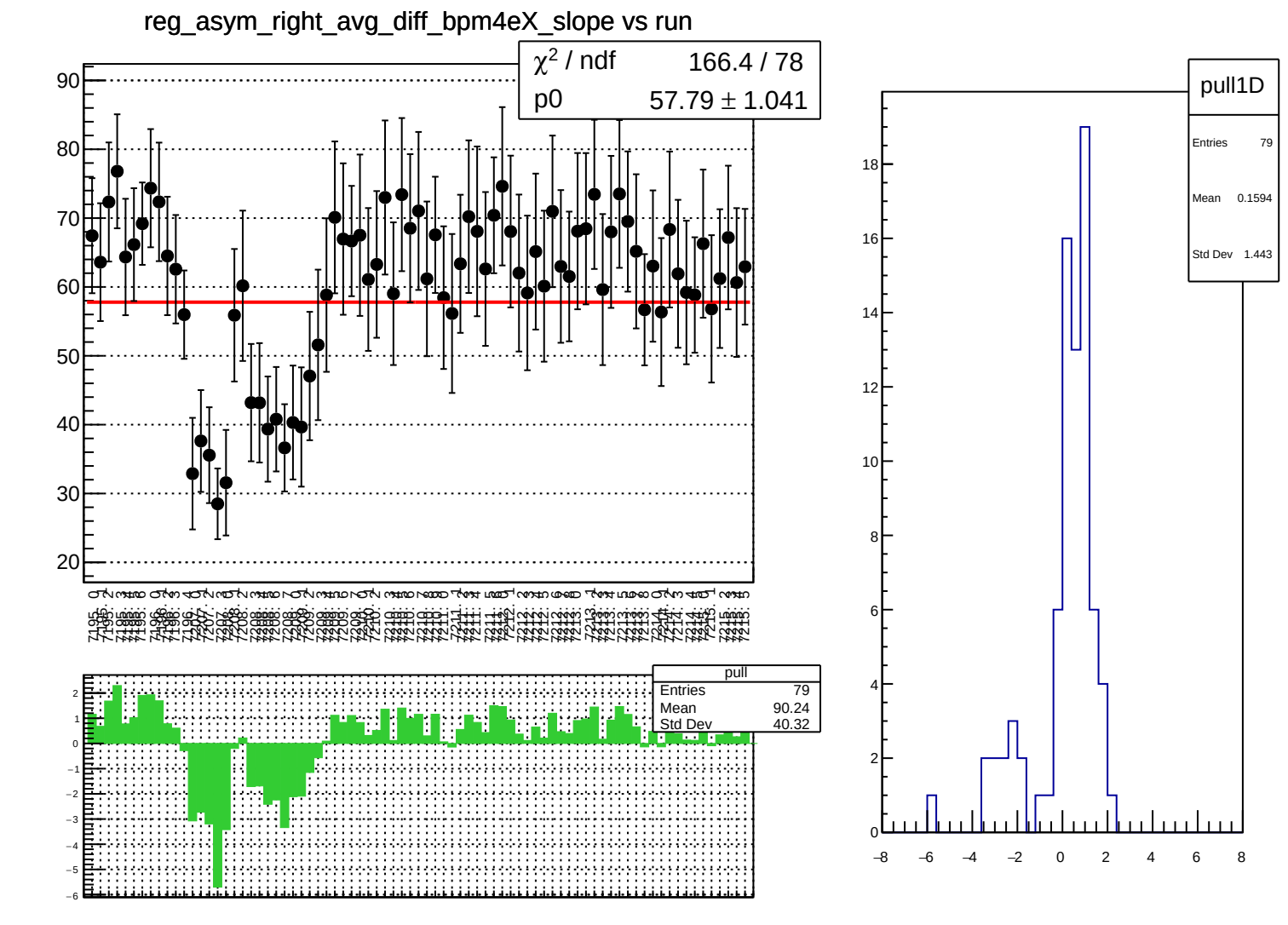

pull1D
Entries 79
Mean 0.03065
Std Dev 0.7577

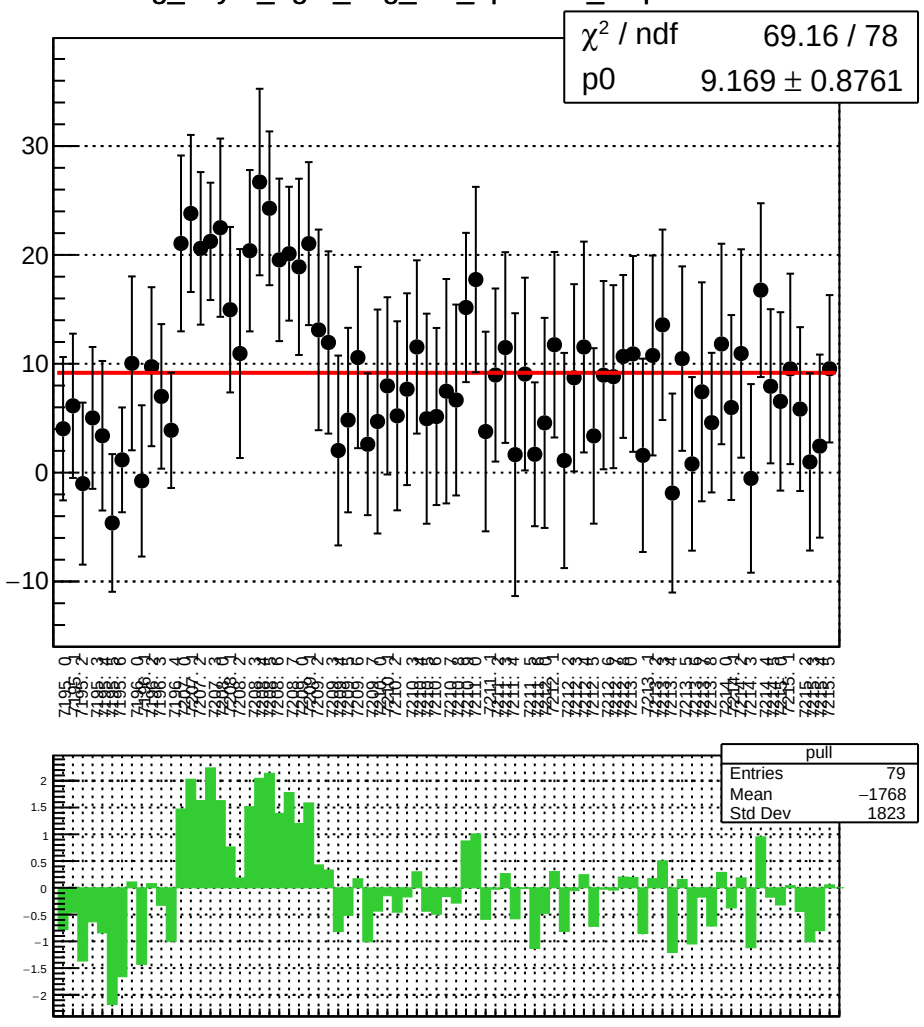

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 281 / 78
p0 −18.32 ± 0.03487
pull
Entries 79
Mean 376.5
Std Dev 343
pull1D
Entries 79
Mean 0.07935
Std Dev 1.884

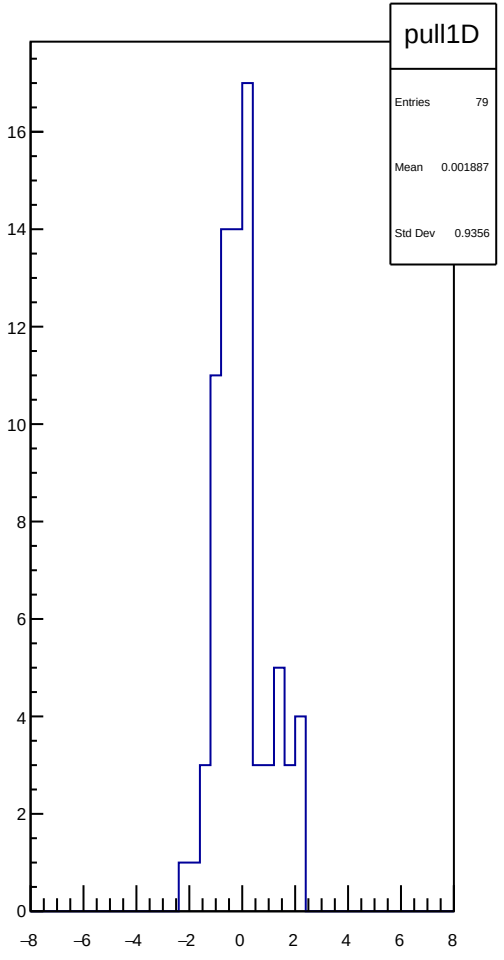

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 161.7 / 78
p0 −29.36 ± 1.034
pull
Entries 79
Mean 93.21
Std Dev 43.71
pull1D
Entries 79
Mean −0.1551
Std Dev 1.422

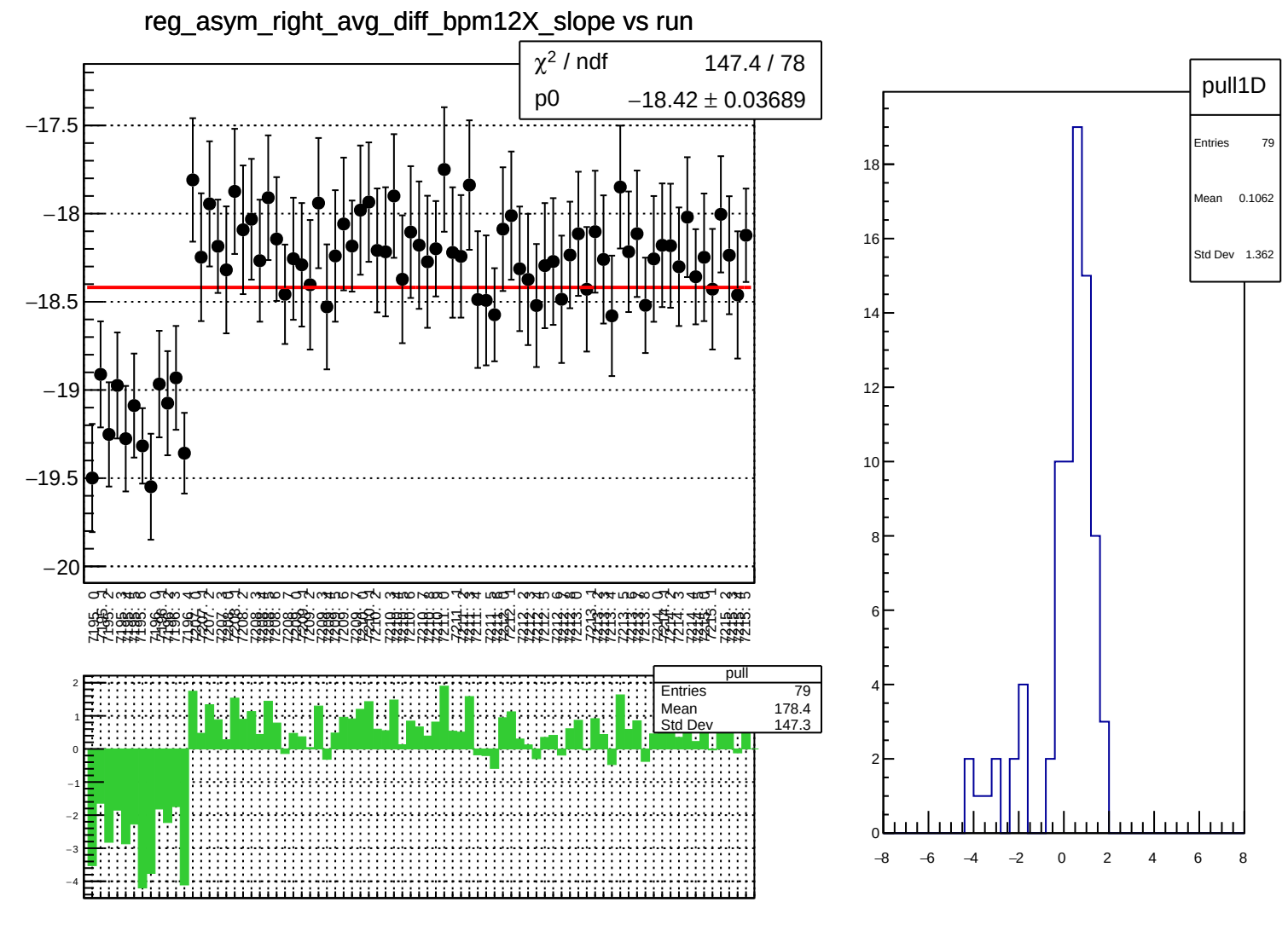

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 57.5 / 78
p0 −0.3095 ± 0.7887
pull
Entries 79
Mean 1152
Std Dev 1104

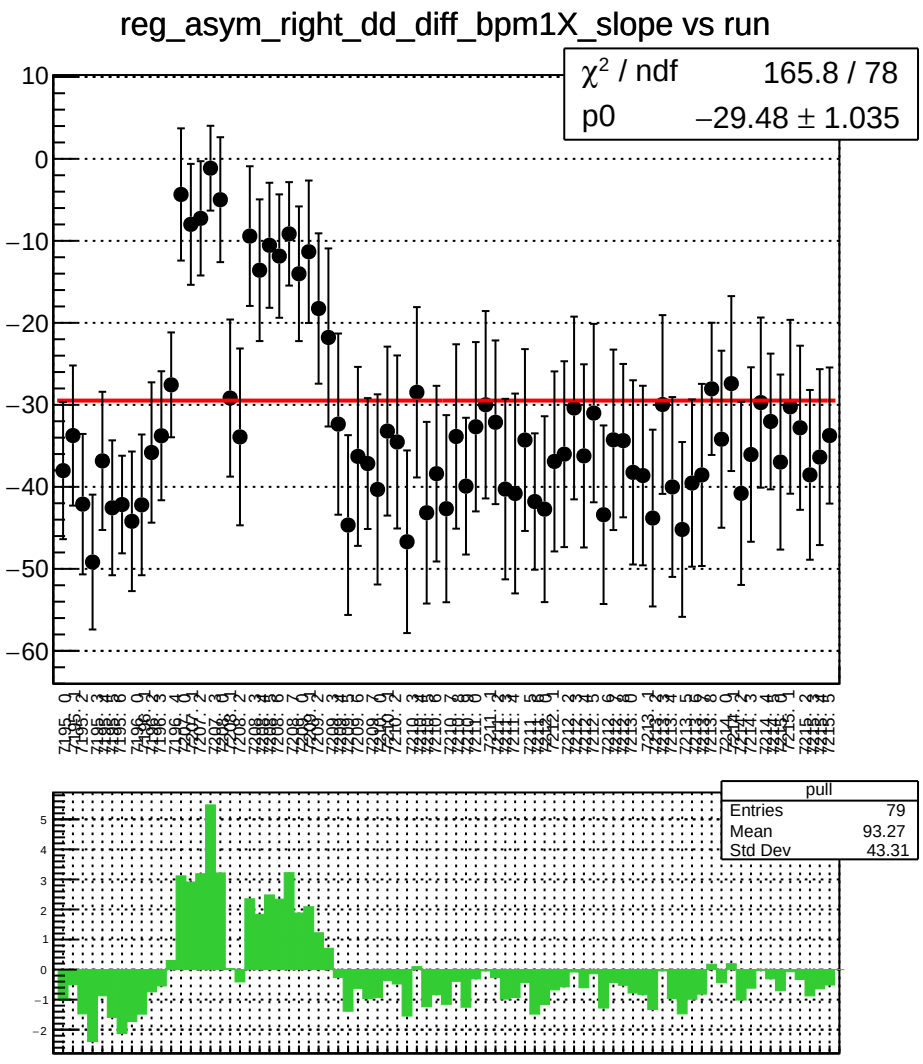

pull1D
Entries 79
Mean 0.003855
Std Dev 0.8532

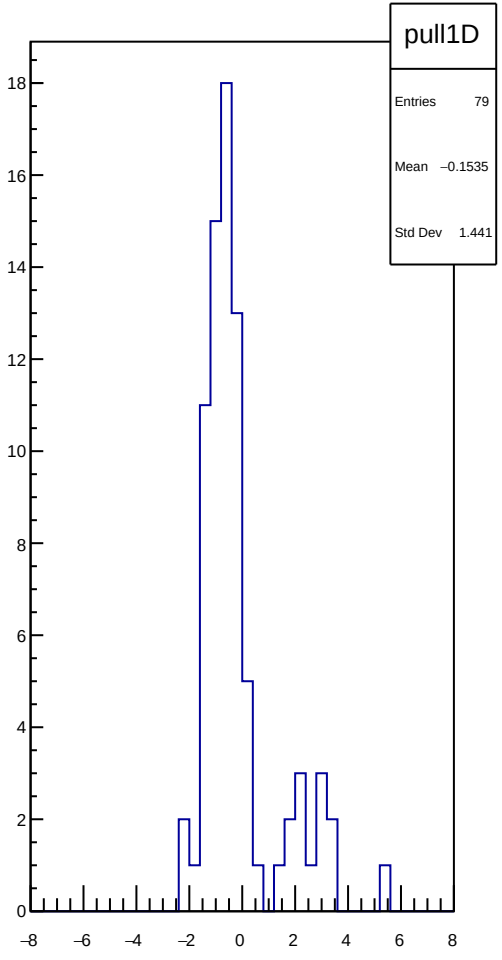

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 166.4 / 78
p0 57.79 ± 1.041
pull
Entries 79
Mean 90.24
Std Dev 40.32
pull1D
Entries 79
Mean 0.1594
Std Dev 1.443

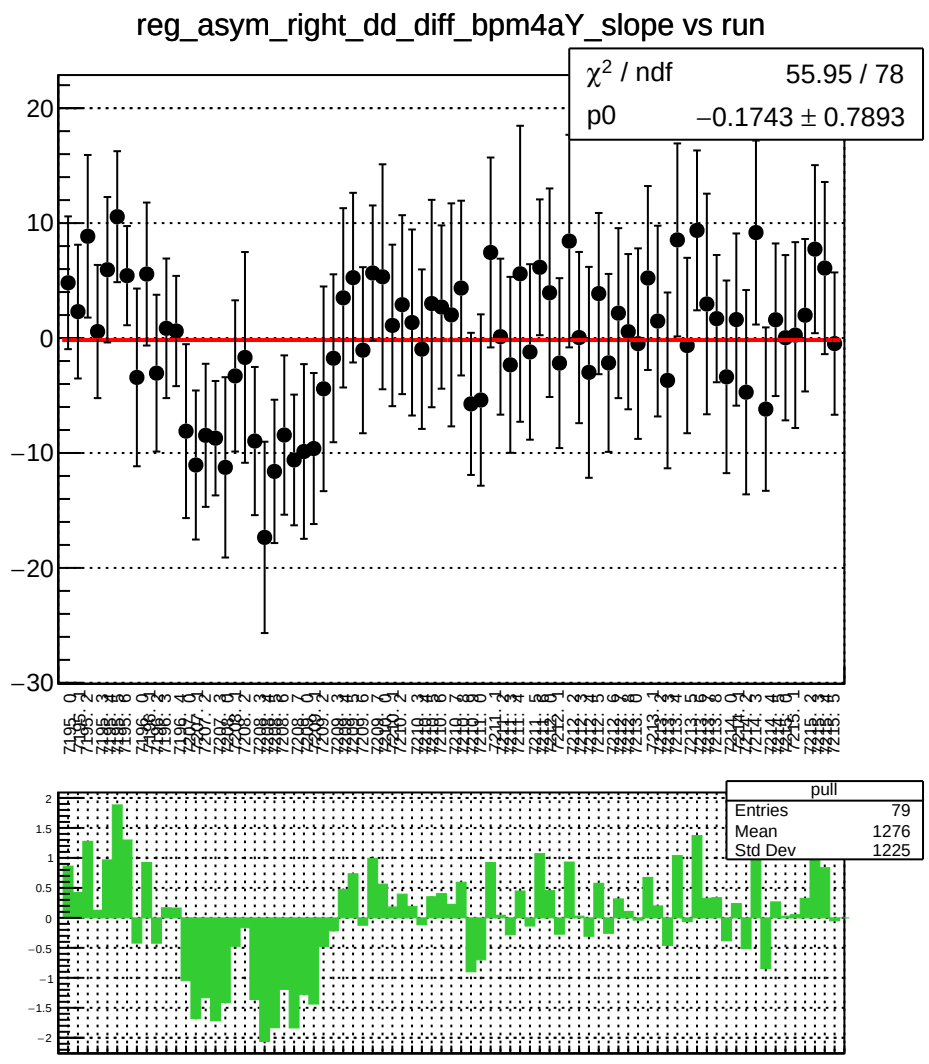

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 69.16 / 78
p0 9.169 ± 0.8761
pull
Entries 79
Mean −1768
Std Dev 1823

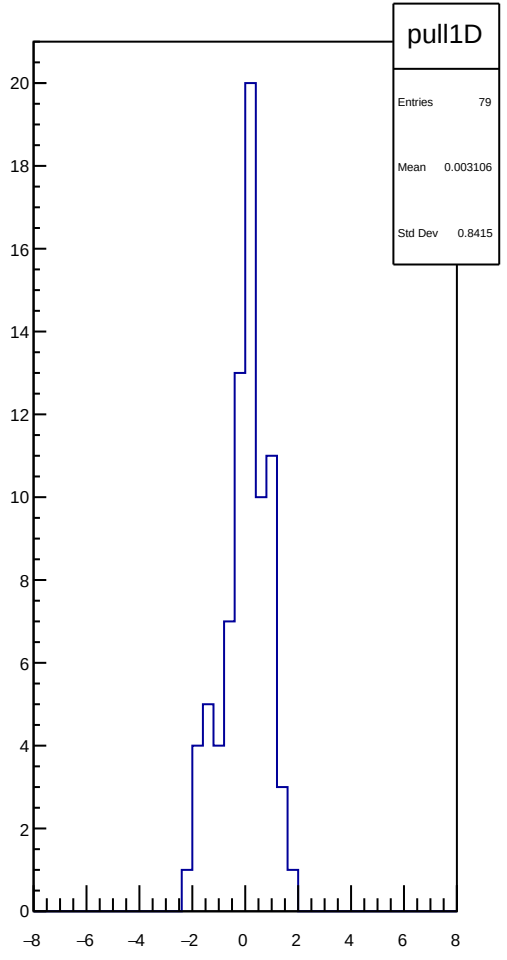

pull1D
Entries 79
Mean 0.001887
Std Dev 0.9356

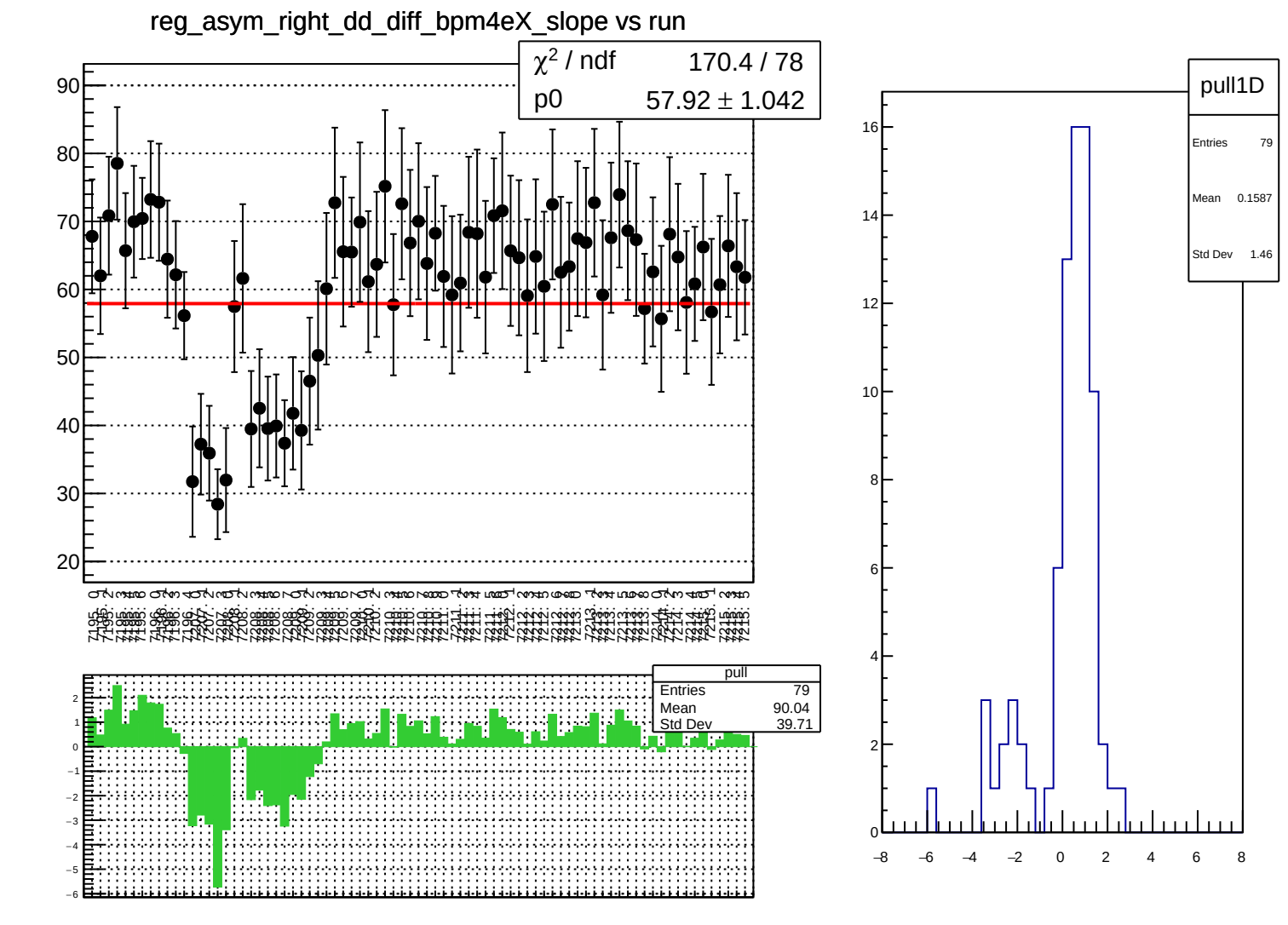

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 147.4 / 78
p0 −18.42 ± 0.03689
−17.5
−18
−18.5
−19
−19.5
−20
pull
Entries 79
Mean 178.4
Std Dev 147.3
pull1D
Entries 79
Mean 0.1062
Std Dev 1.362

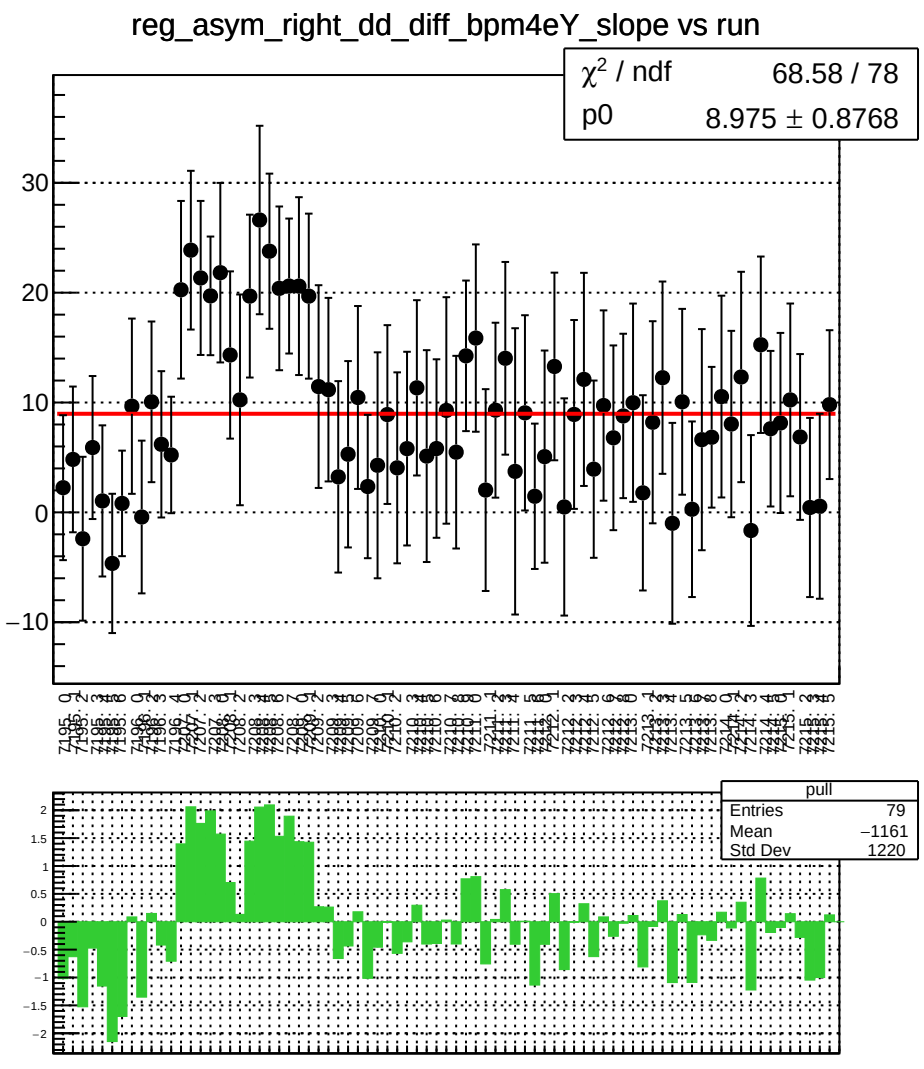

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 165.8 / 78
p0 −29.48 ± 1.035
pull
Entries 79
Mean 93.27
Std Dev 43.31

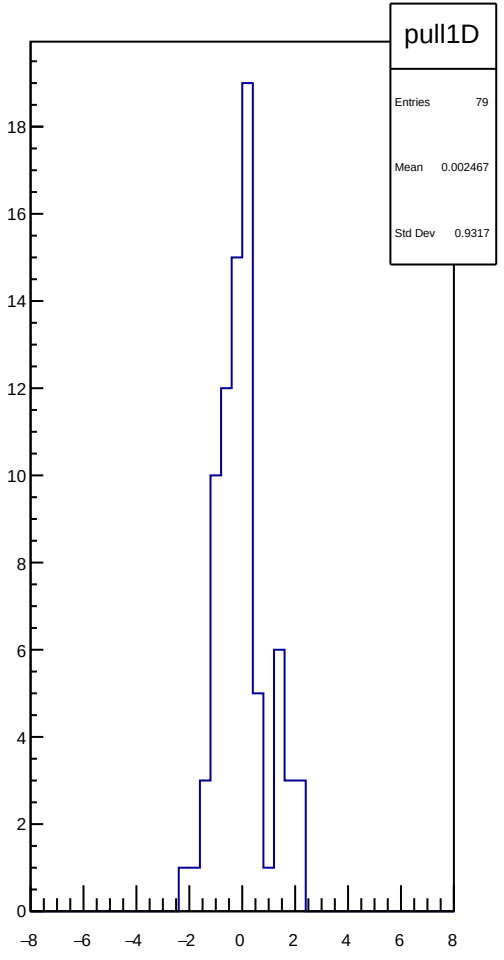

pull1D
Entries 79
Mean −0.1535
Std Dev 1.441

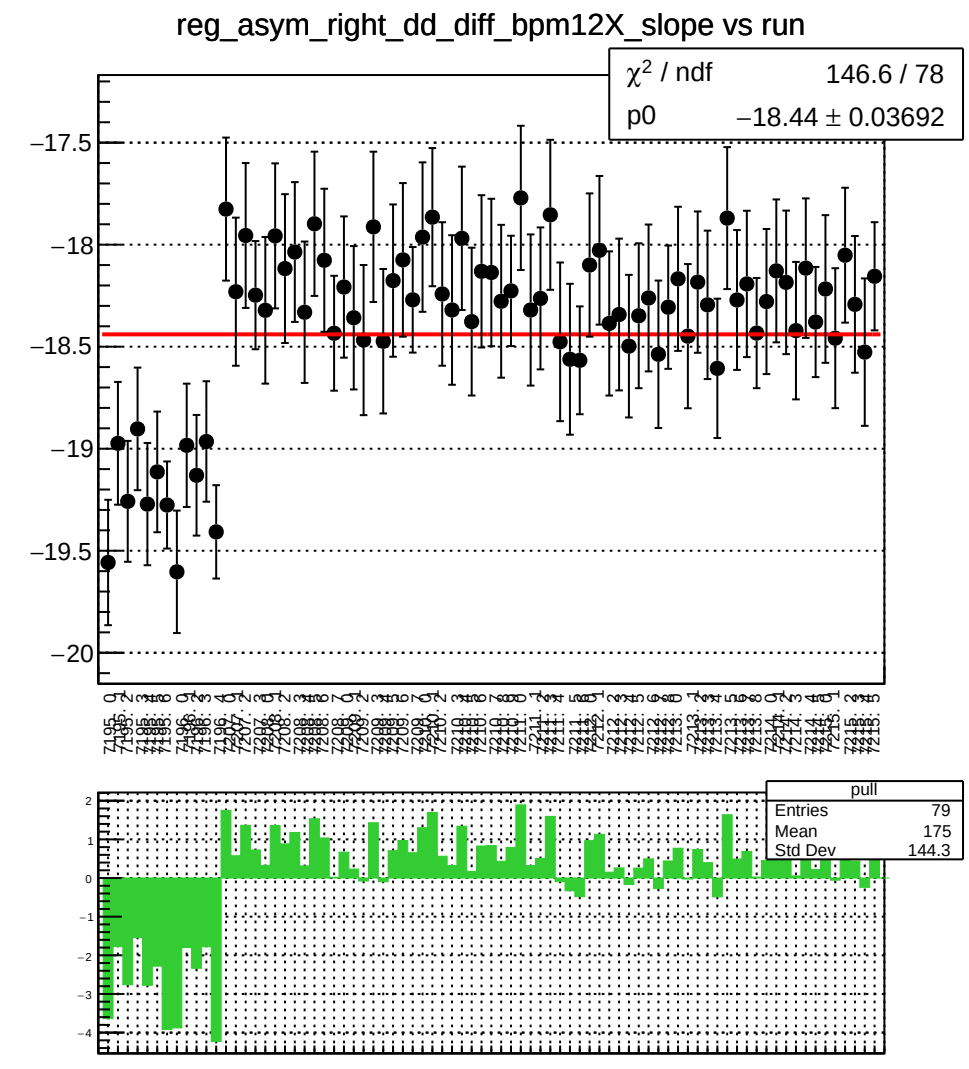

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 55.95 / 78
p0 −0.1743 ± 0.7893
pull
Entries 79
Mean 1276
Std Dev 1225

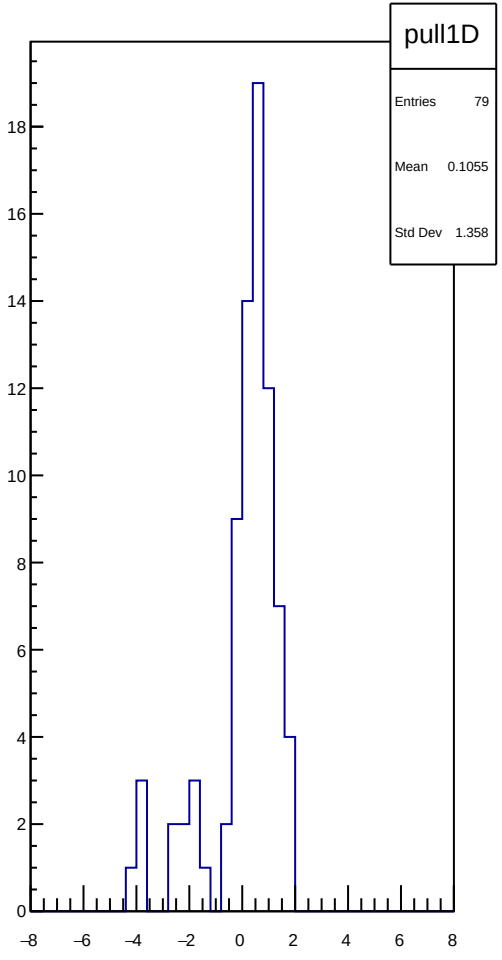

pull1D
Entries 79
Mean 0.003106
Std Dev 0.8415

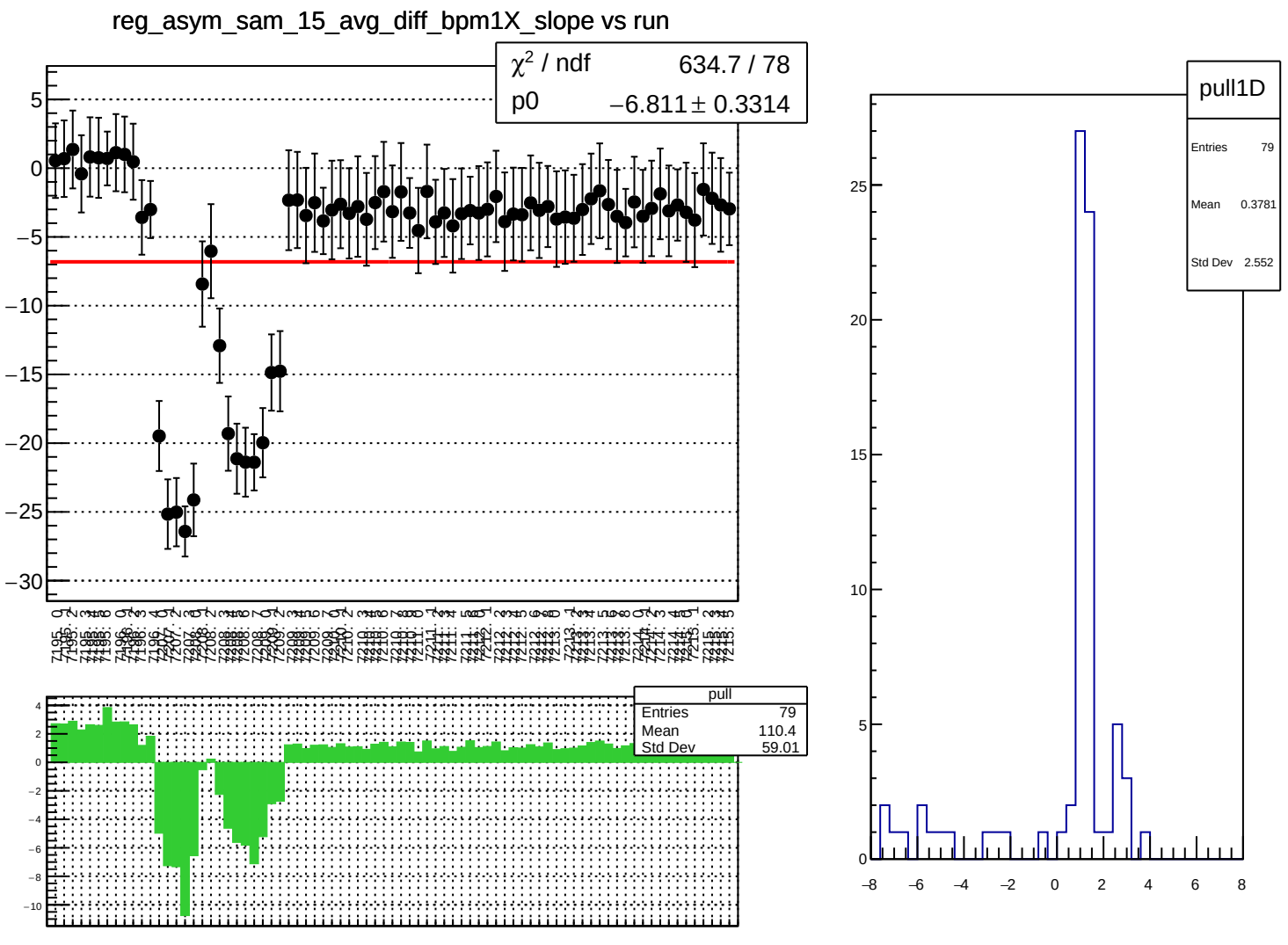

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 170.4 / 78
p0 57.92 ± 1.042
pull
Entries 79
Mean 90.04
Std Dev 39.71
pull1D
Entries 79
Mean 0.1587
Std Dev 1.46

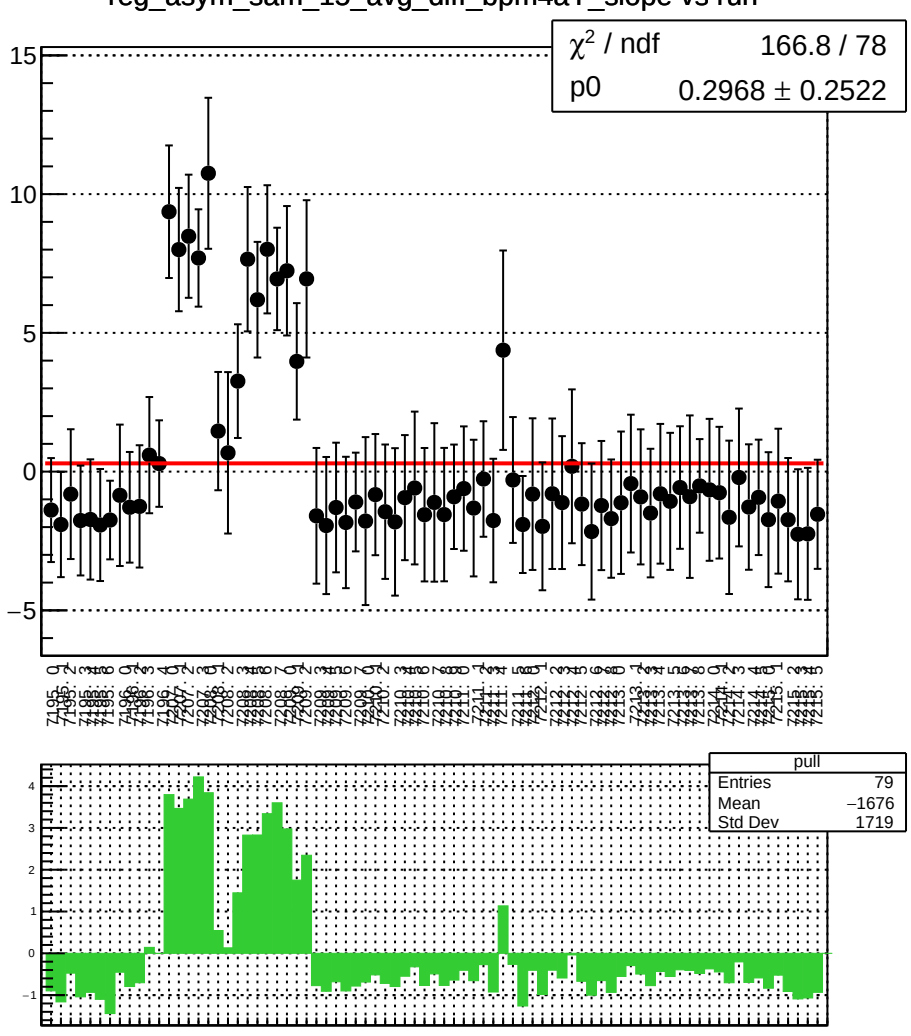

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 68.58 / 78
p0 8.975 ± 0.8768
pull
Entries 79
Mean −1161
Std Dev 1220

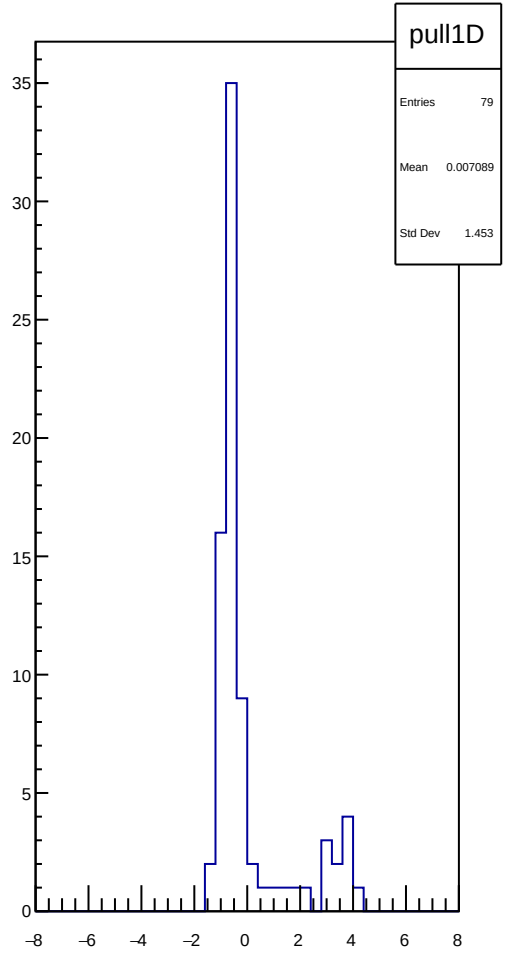

pull1D
Entries 79
Mean 0.002467
Std Dev 0.9317

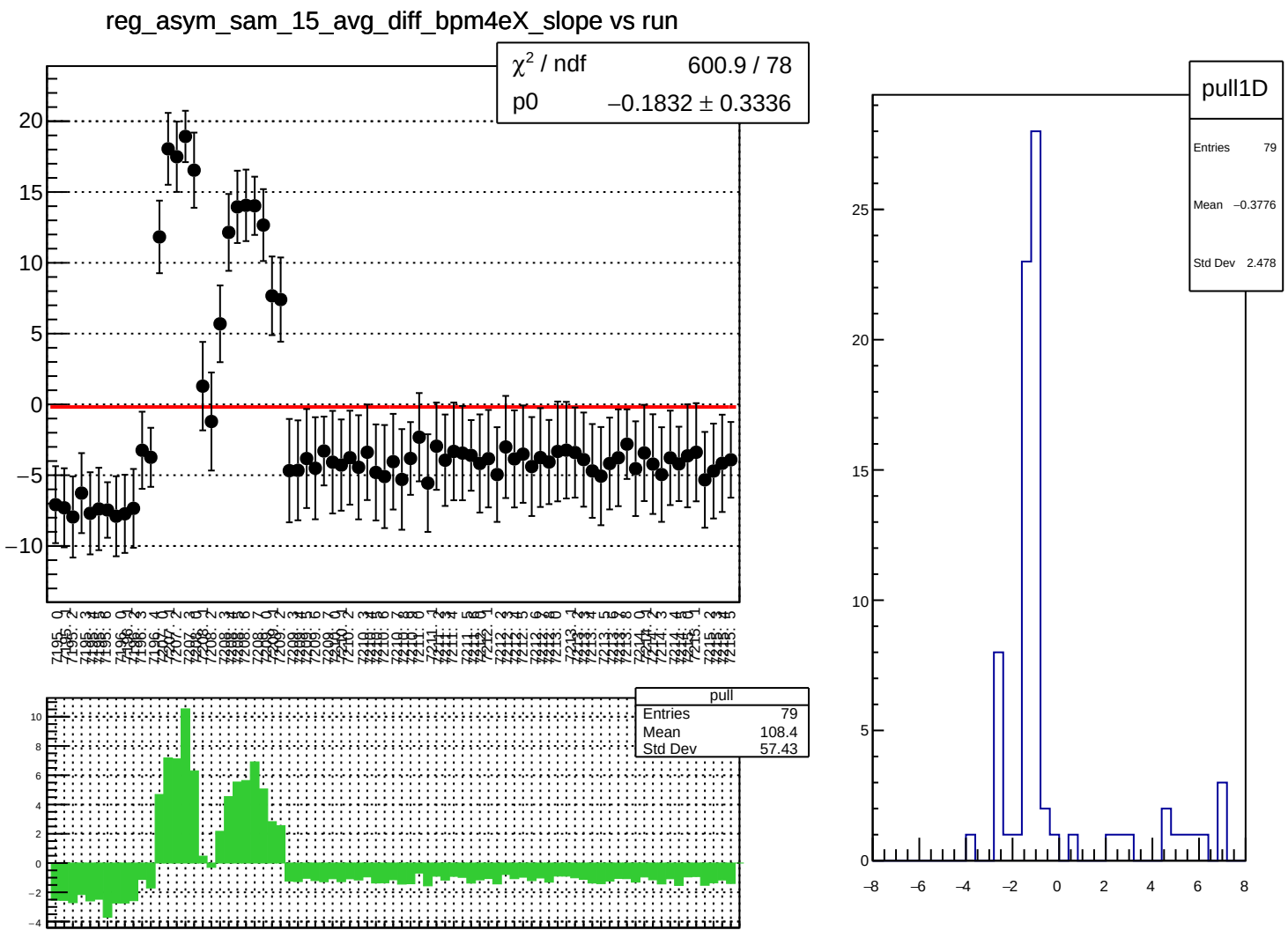

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 146.6 / 78
p0 −18.44 ± 0.03692
−17.5
−18
−18.5
−19
−19.5
−20
pull
Entries 79
Mean 175
Std Dev 144.3
2
1
0
−1
−2
−3
−4

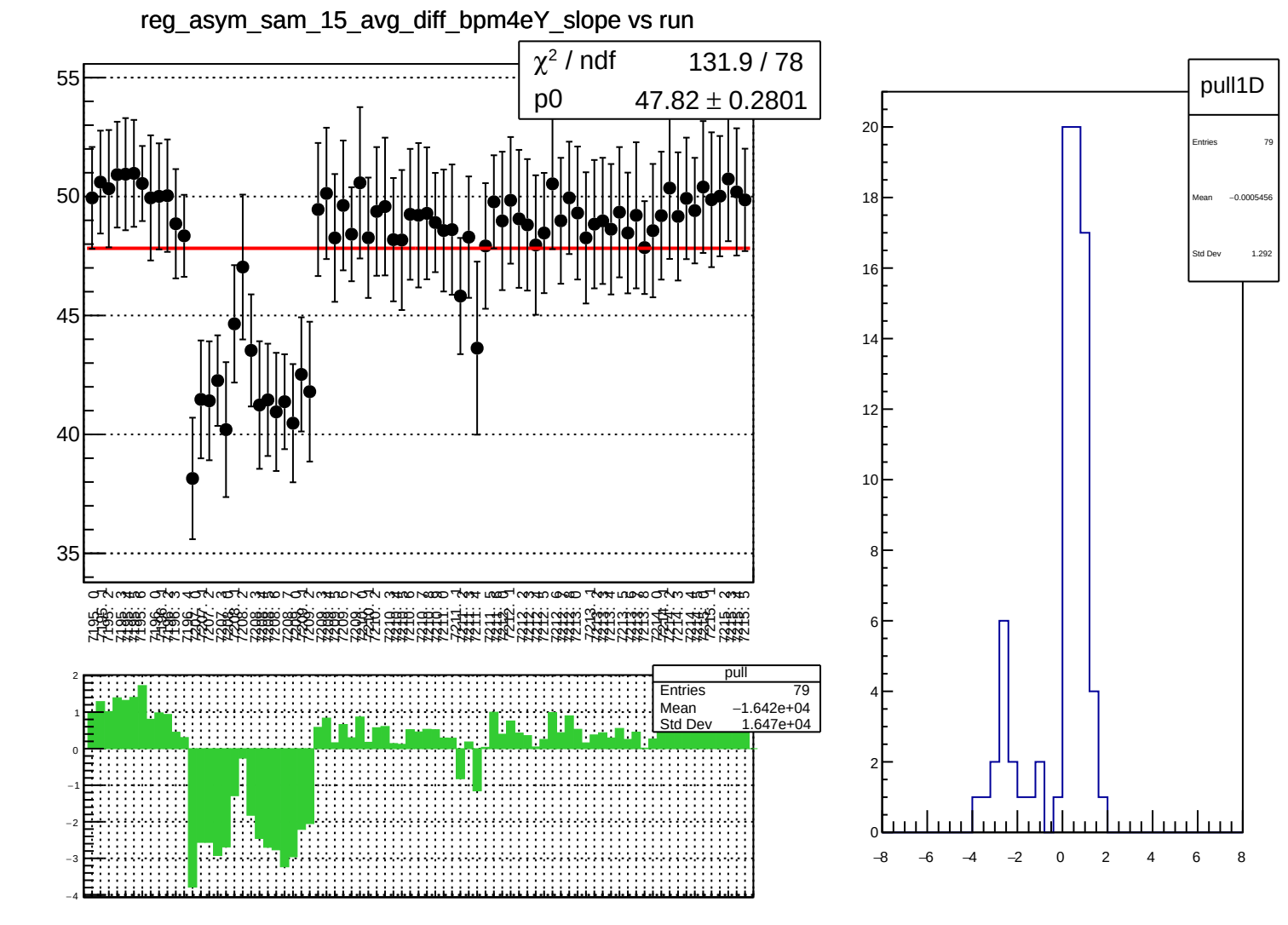

pull1D
Entries 79
Mean 0.1055
Std Dev 1.358
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

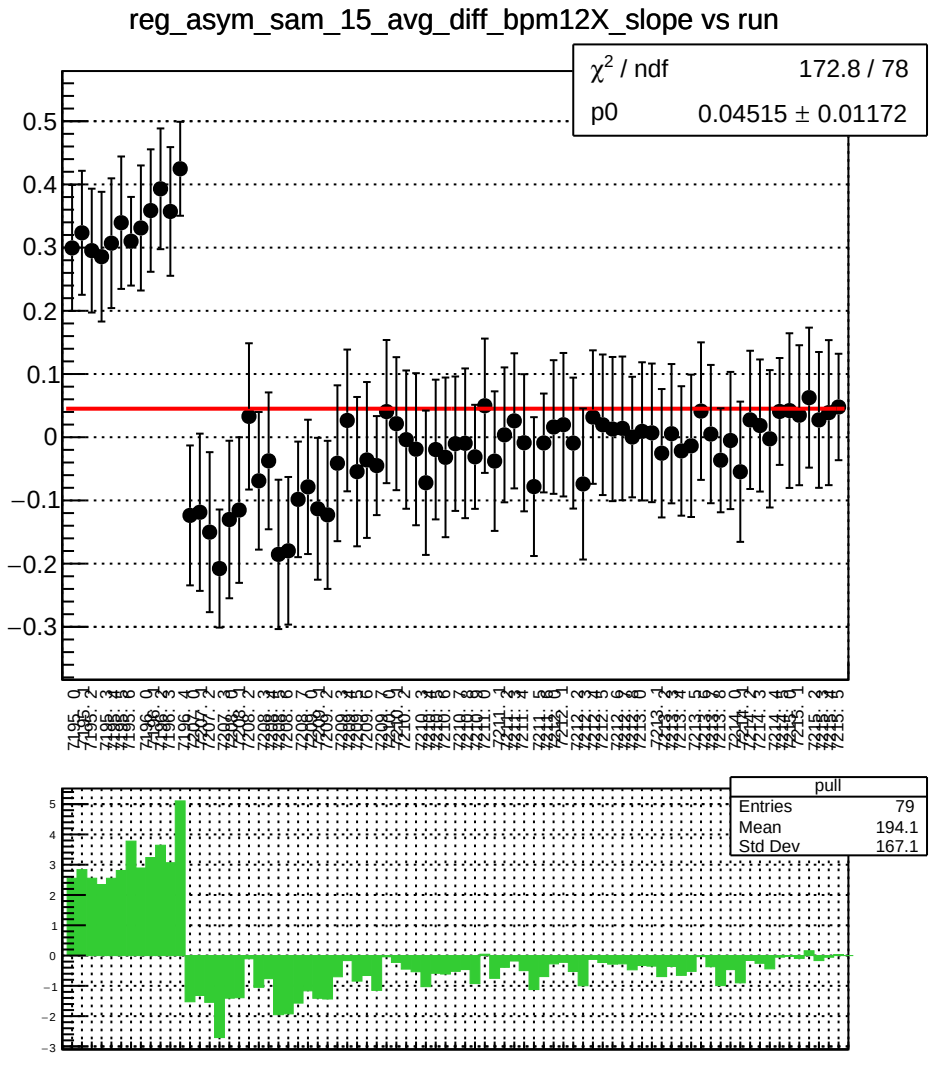

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 634.7 / 78
p0 −6.811 ± 0.3314
pull
Entries 79
Mean 110.4
Std Dev 59.01
pull1D
Entries 79
Mean 0.3781
Std Dev 2.552

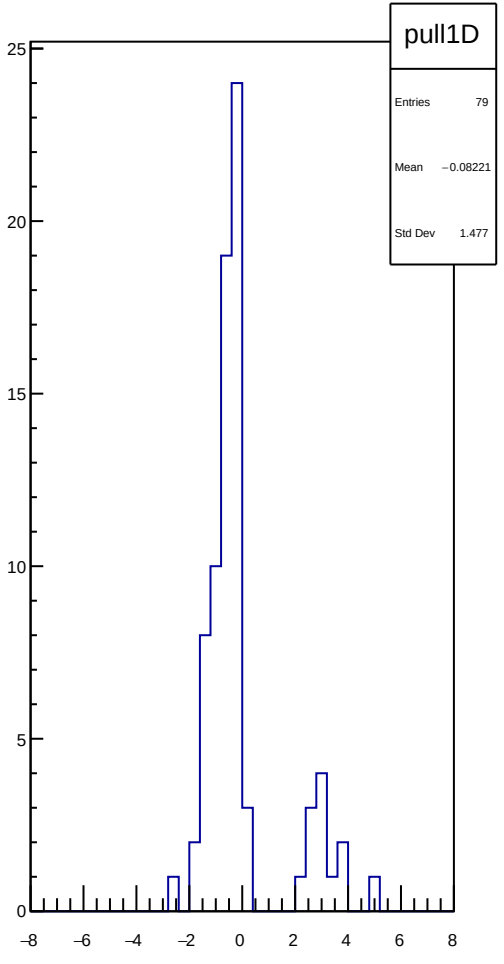

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 166.8 / 78
p0 0.2968 ± 0.2522
pull
Entries 79
Mean −1676
Std Dev 1719

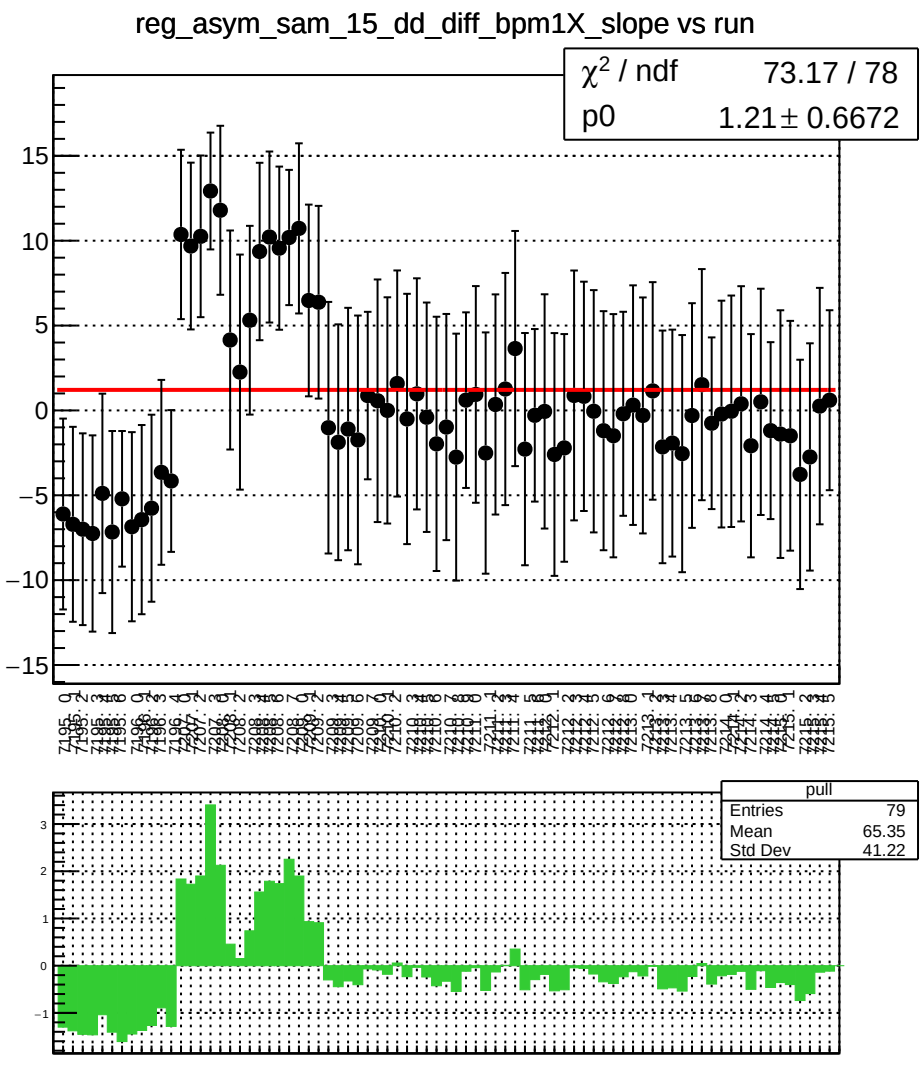

pull1D
Entries 79
Mean 0.007089
Std Dev 1.453

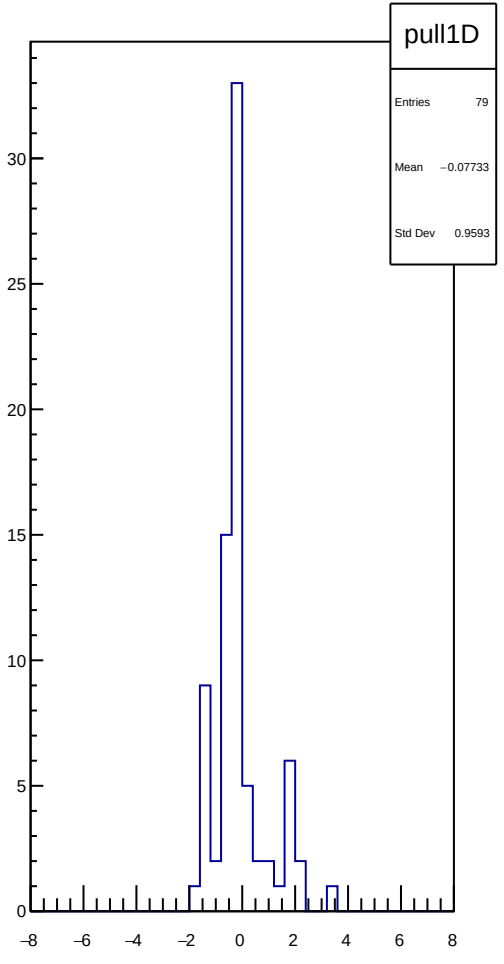

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 600.9 / 78
p0 −0.1832 ± 0.3336
pull
Entries 79
Mean 108.4
Std Dev 57.43
pull1D
Entries 79
Mean −0.3776
Std Dev 2.478

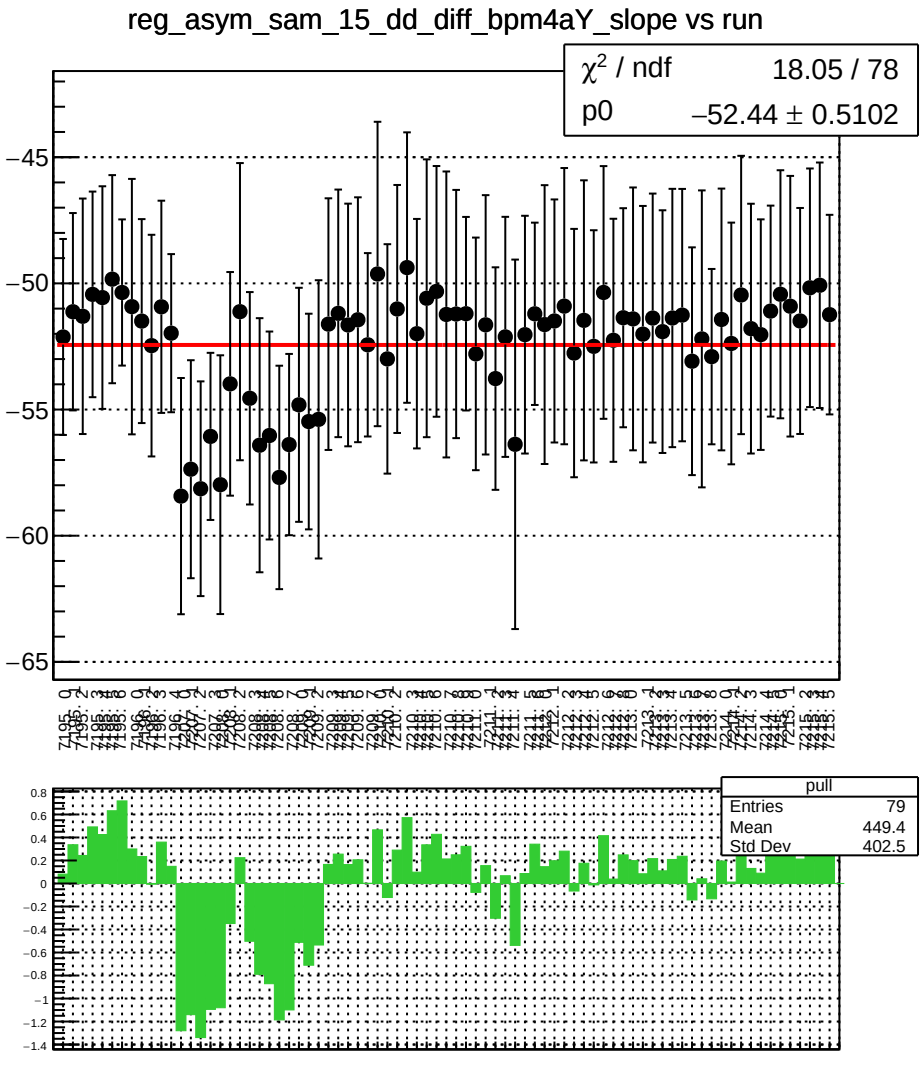

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 131.9 / 78
p0 47.82 ± 0.2801
55
50
45
40
35
pull
Entries 79
Mean −1.642e+04
Std Dev 1.647e+04
2
1
0
−1
−2
−3
−4
pull1D
Entries 79
Mean −0.0005456
Std Dev 1.292
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

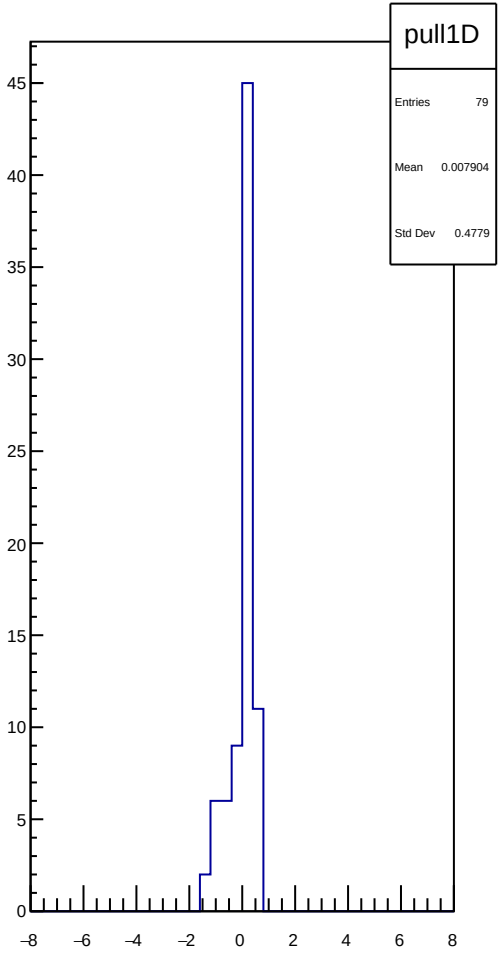

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 172.8 / 78
p0 0.04515 ± 0.01172
pull
Entries 79
Mean 194.1
Std Dev 167.1

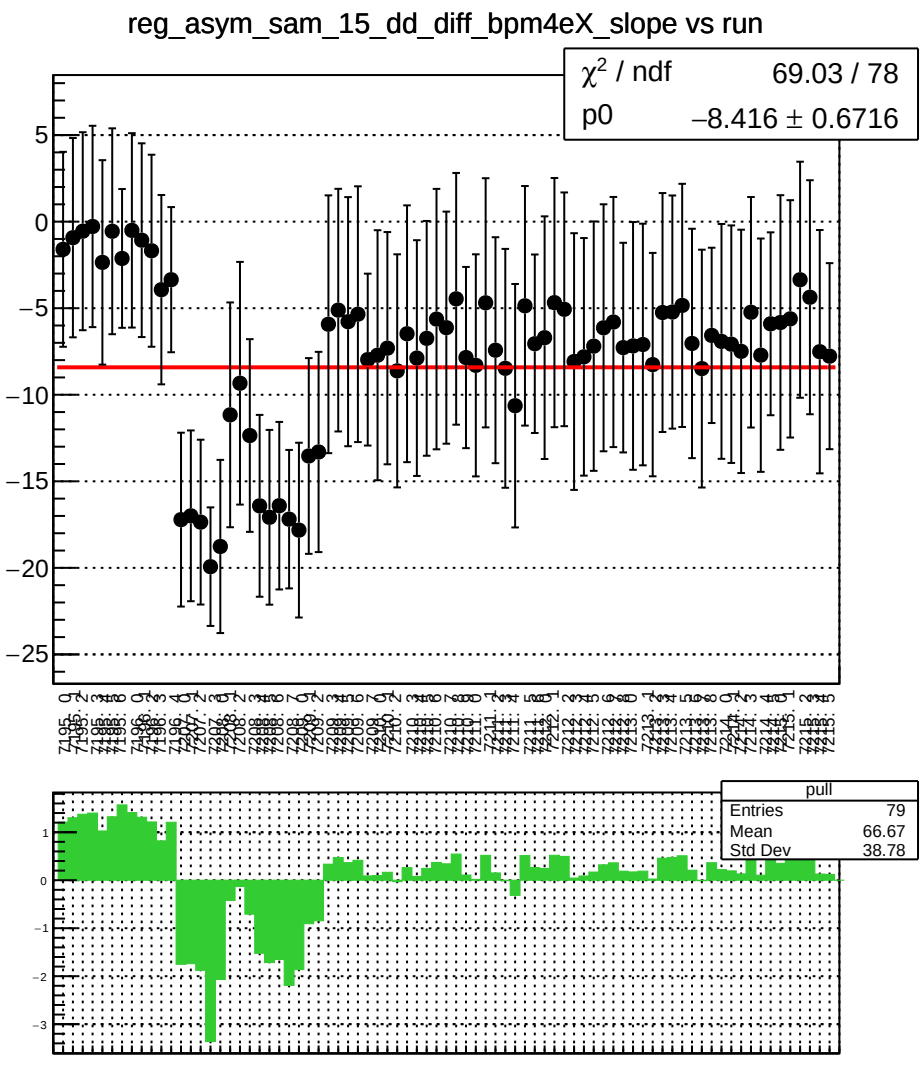

pull1D
Entries 79
Mean −0.08221
Std Dev 1.477

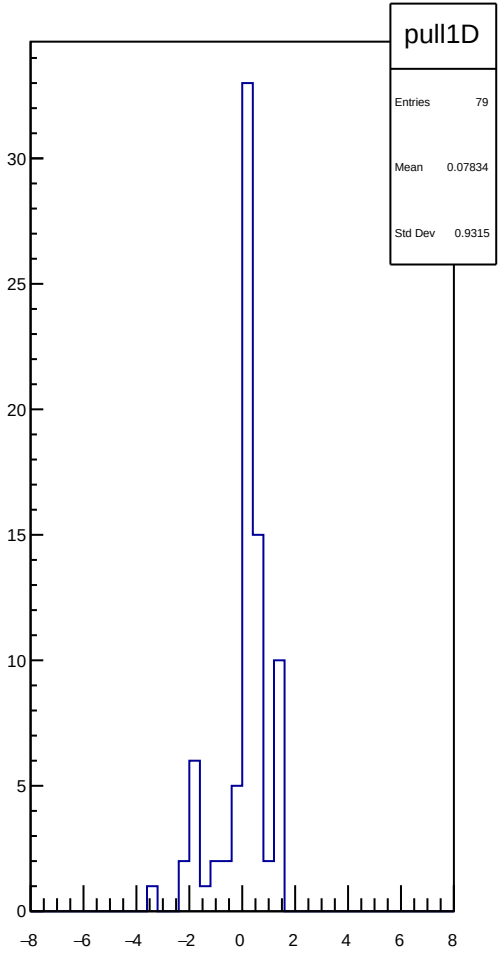

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 73.17 / 78
p0 1.21 ± 0.6672
pull
Entries 79
Mean 65.35
Std Dev 41.22

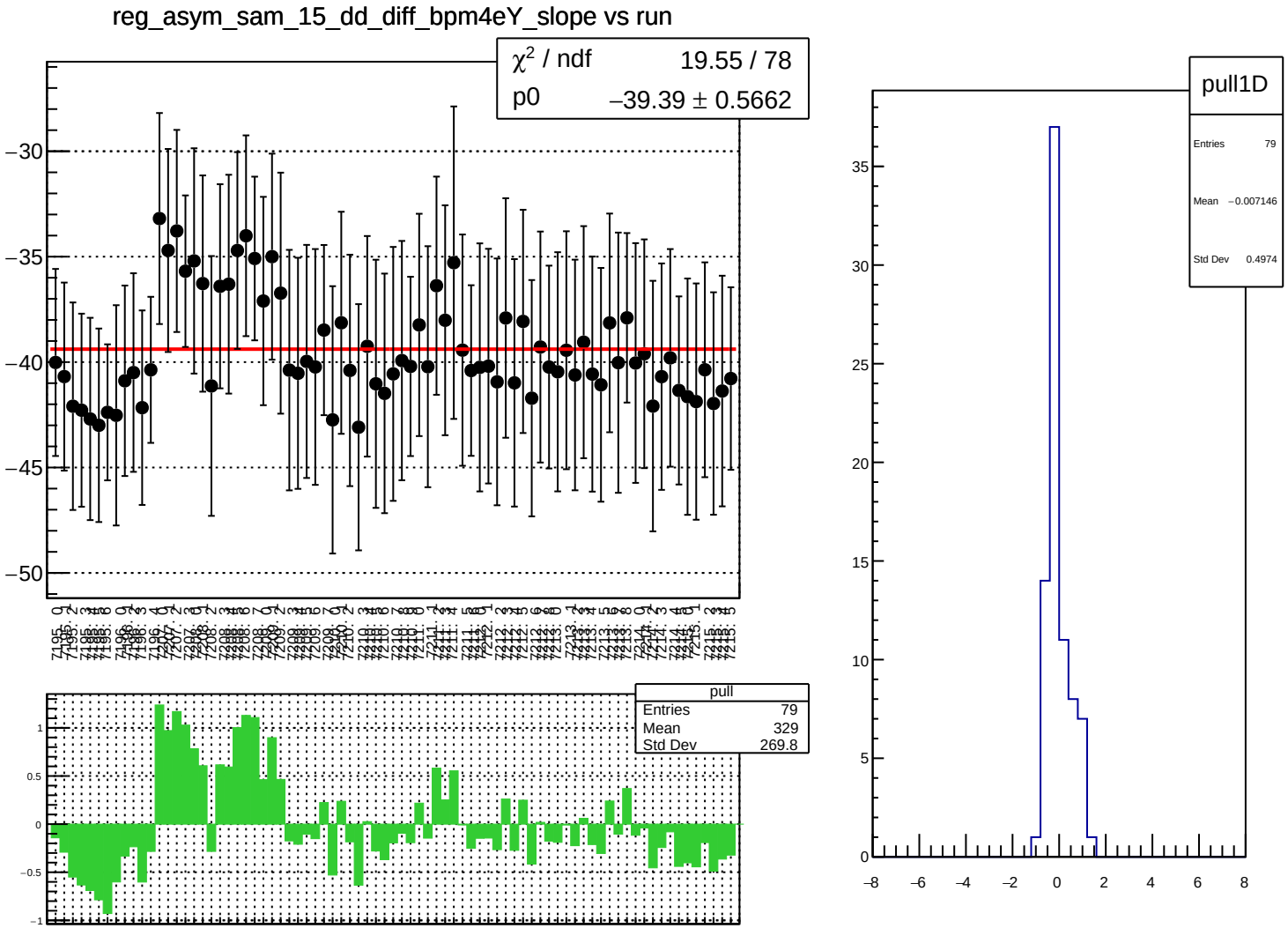

pull1D
Entries 79
Mean −0.07733
Std Dev 0.9593

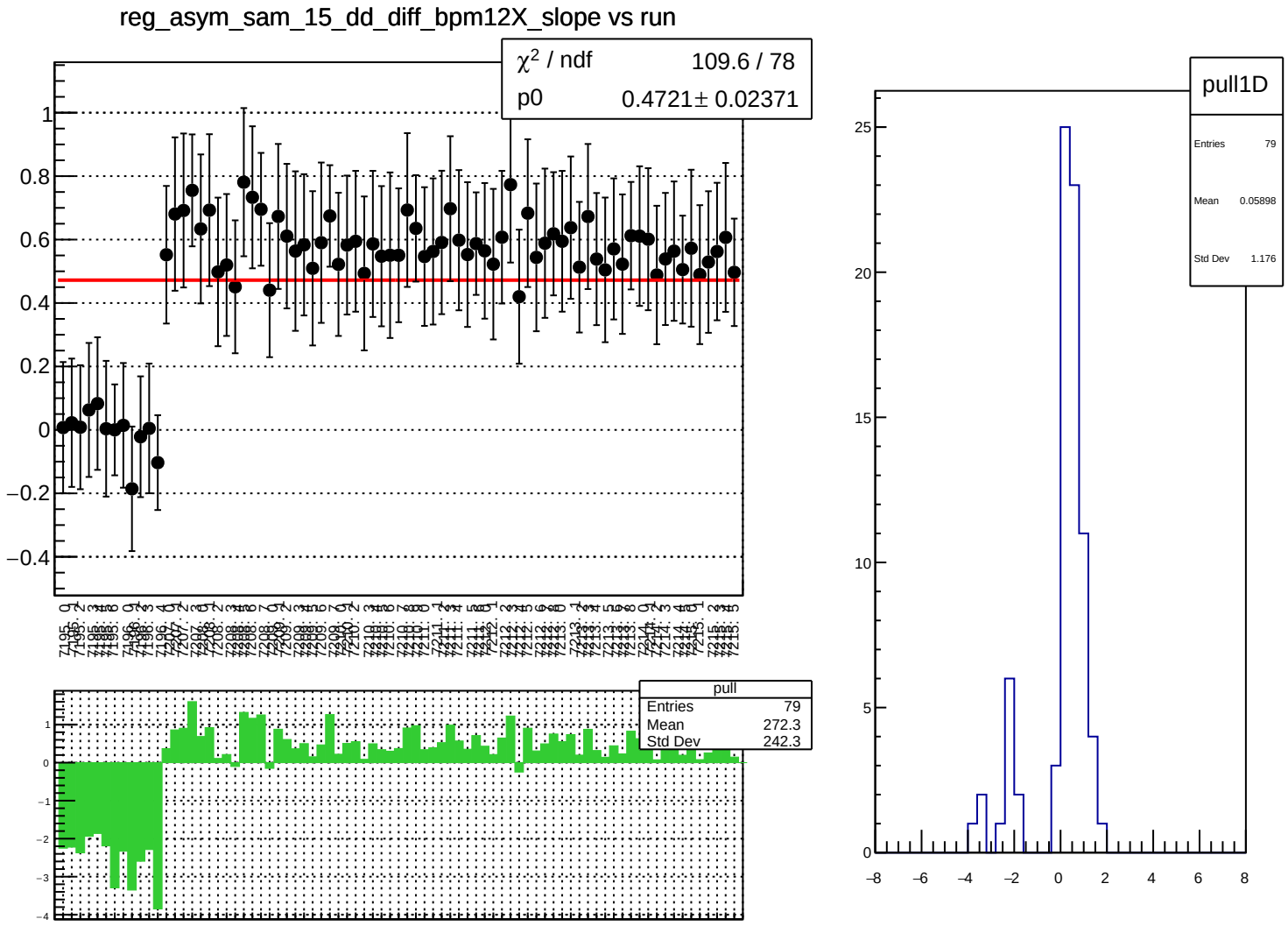

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 18.05 / 78
p0 −52.44 ± 0.5102
pull
Entries 79
Mean 449.4
Std Dev 402.5

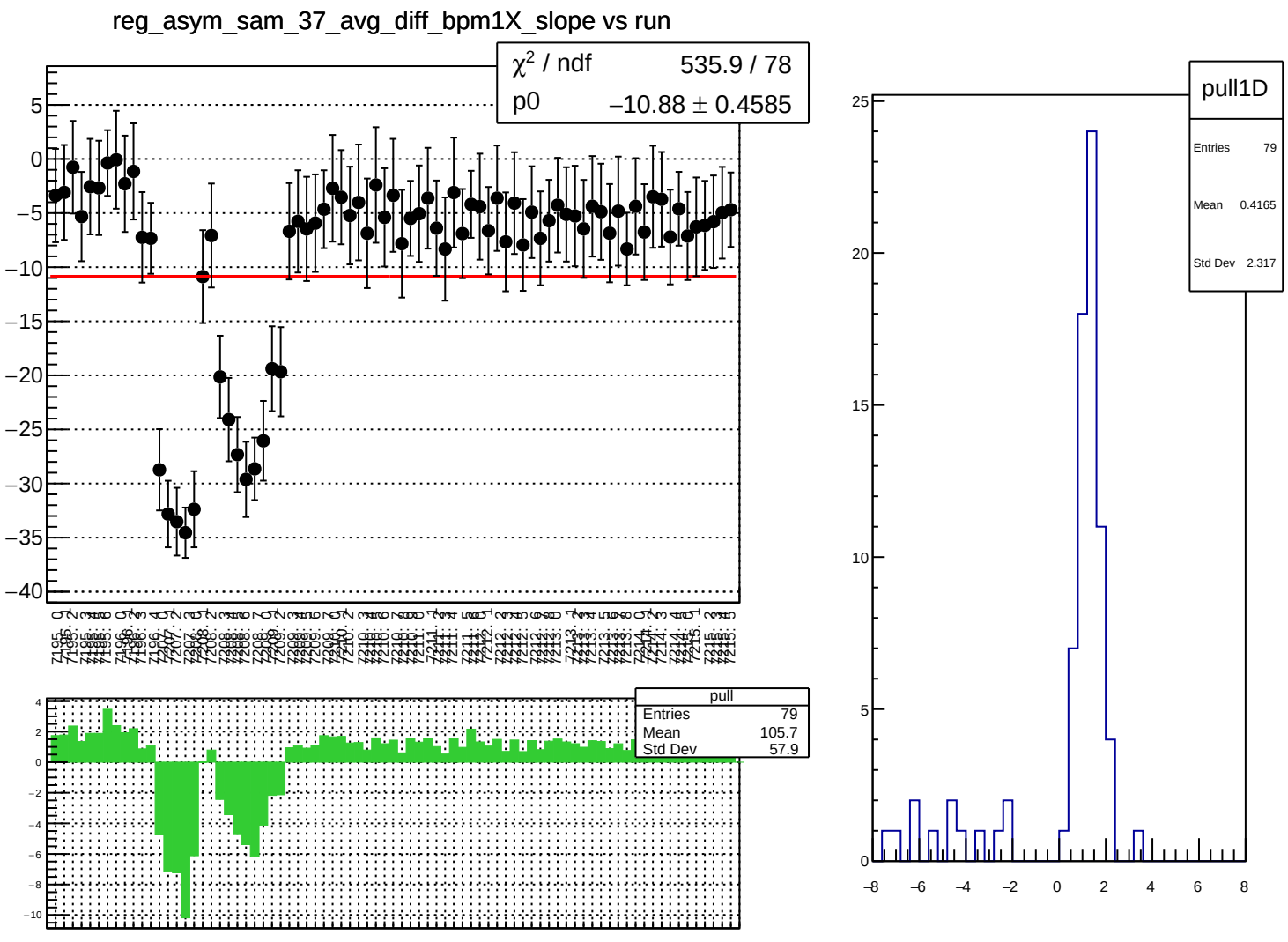

pull1D
Entries 79
Mean 0.007904
Std Dev 0.4779

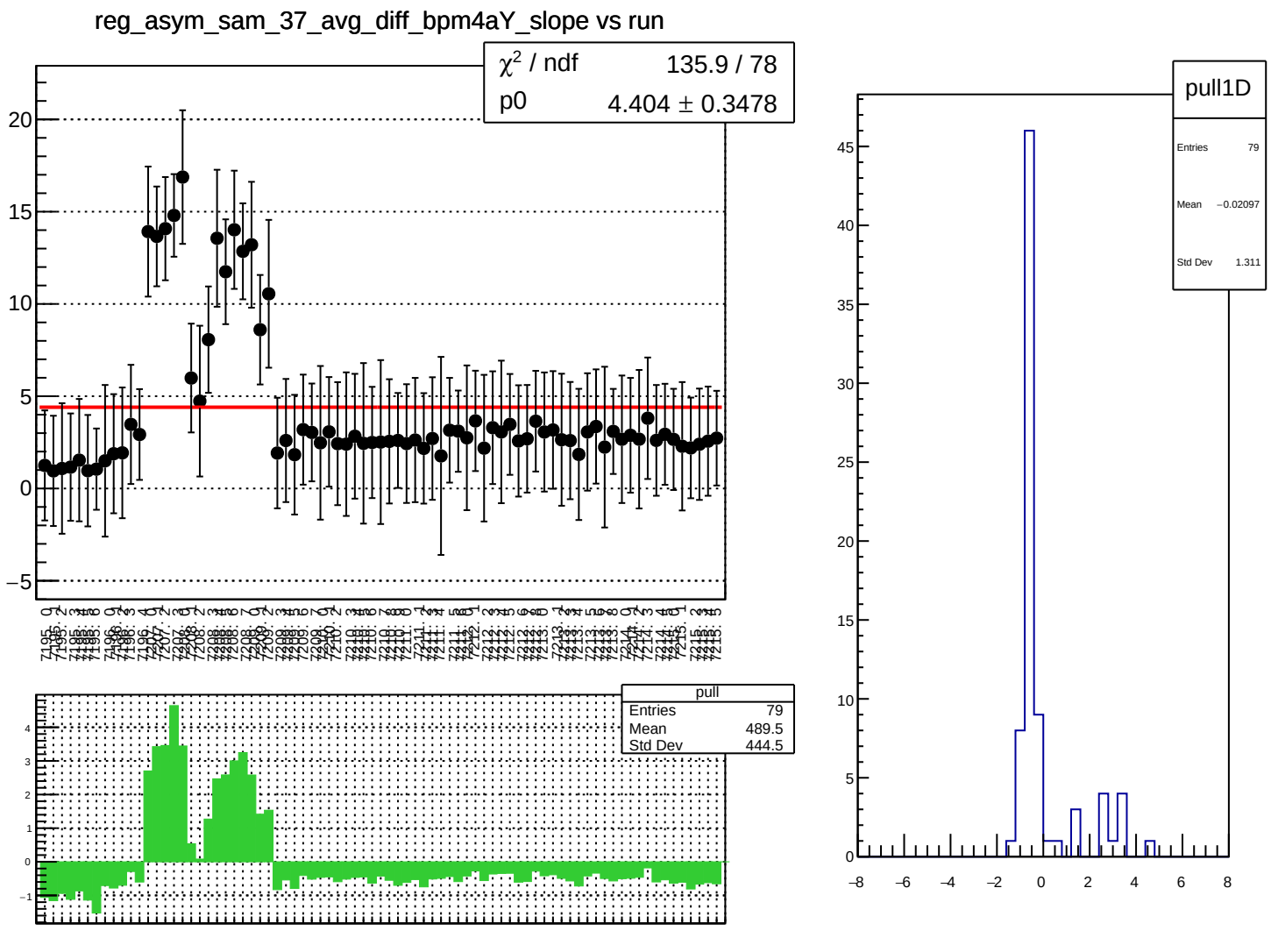

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 69.03 / 78
p0 −8.416 ± 0.6716
pull
Entries 79
Mean 66.67
Std Dev 38.78

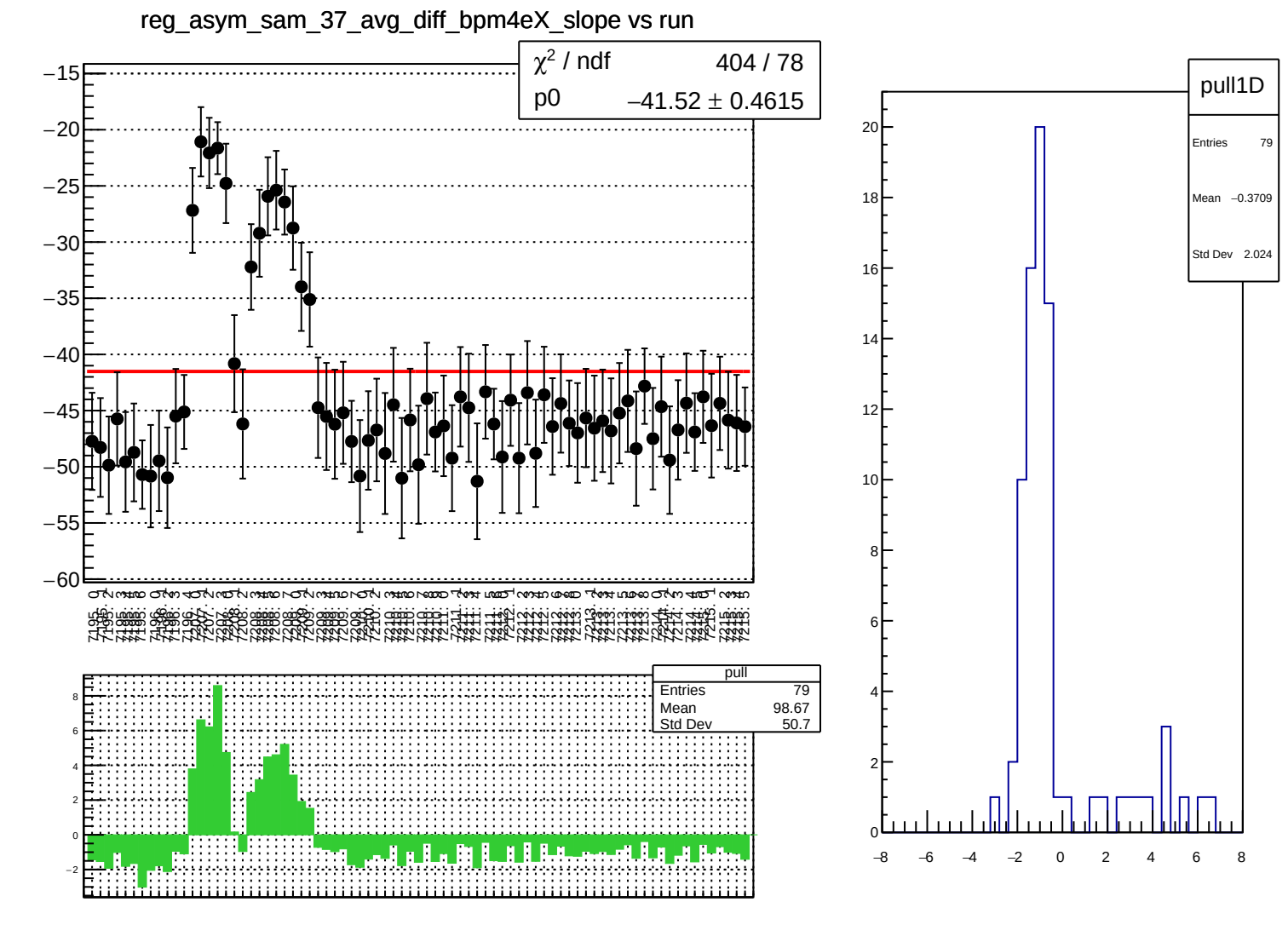

pull1D
Entries 79
Mean 0.07834
Std Dev 0.9315

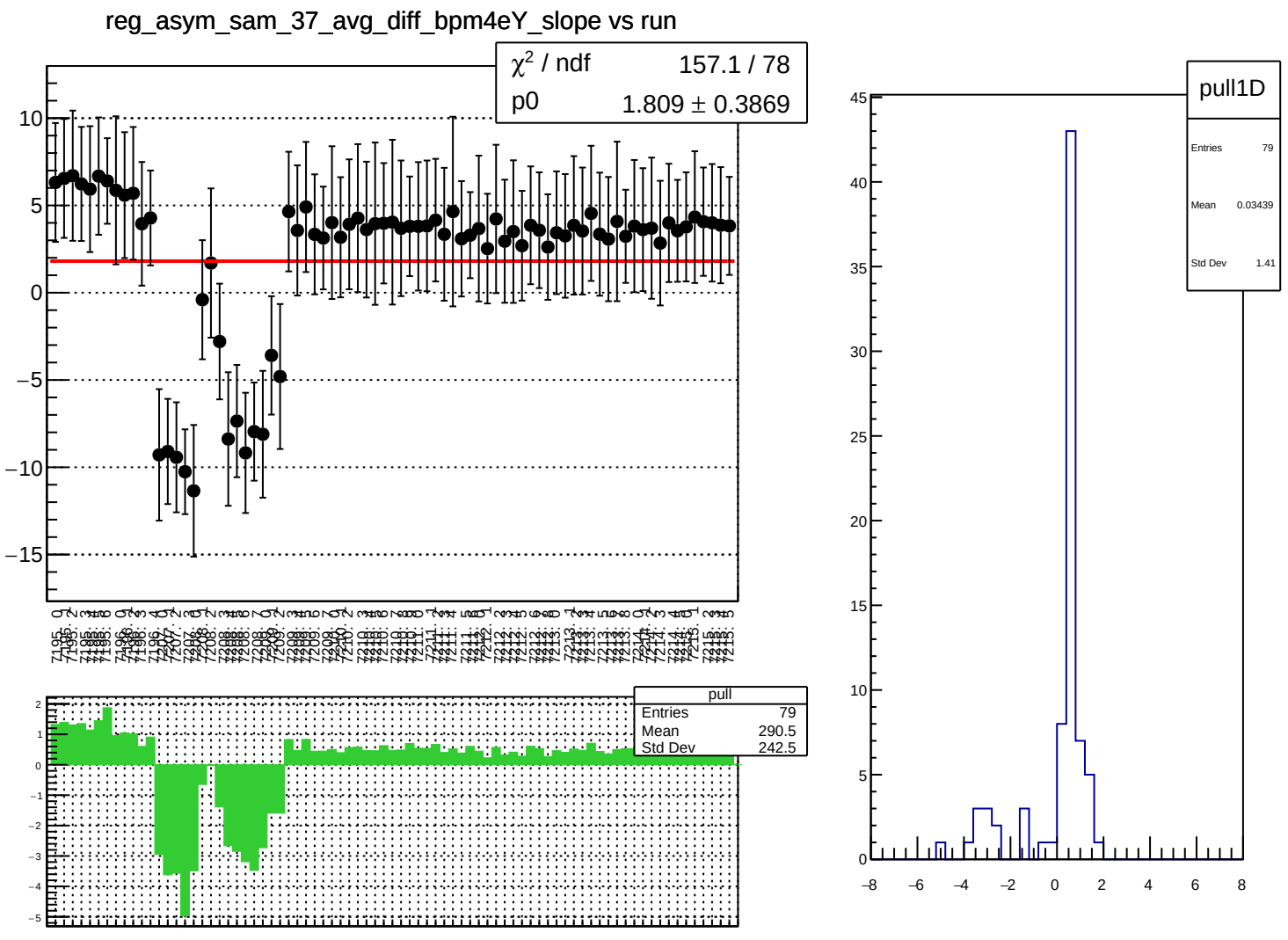

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 19.55 / 78
p0 −39.39 ± 0.5662
pull
Entries 79
Mean 329
Std Dev 269.8
pull1D
Entries 79
Mean −0.007146
Std Dev 0.4974

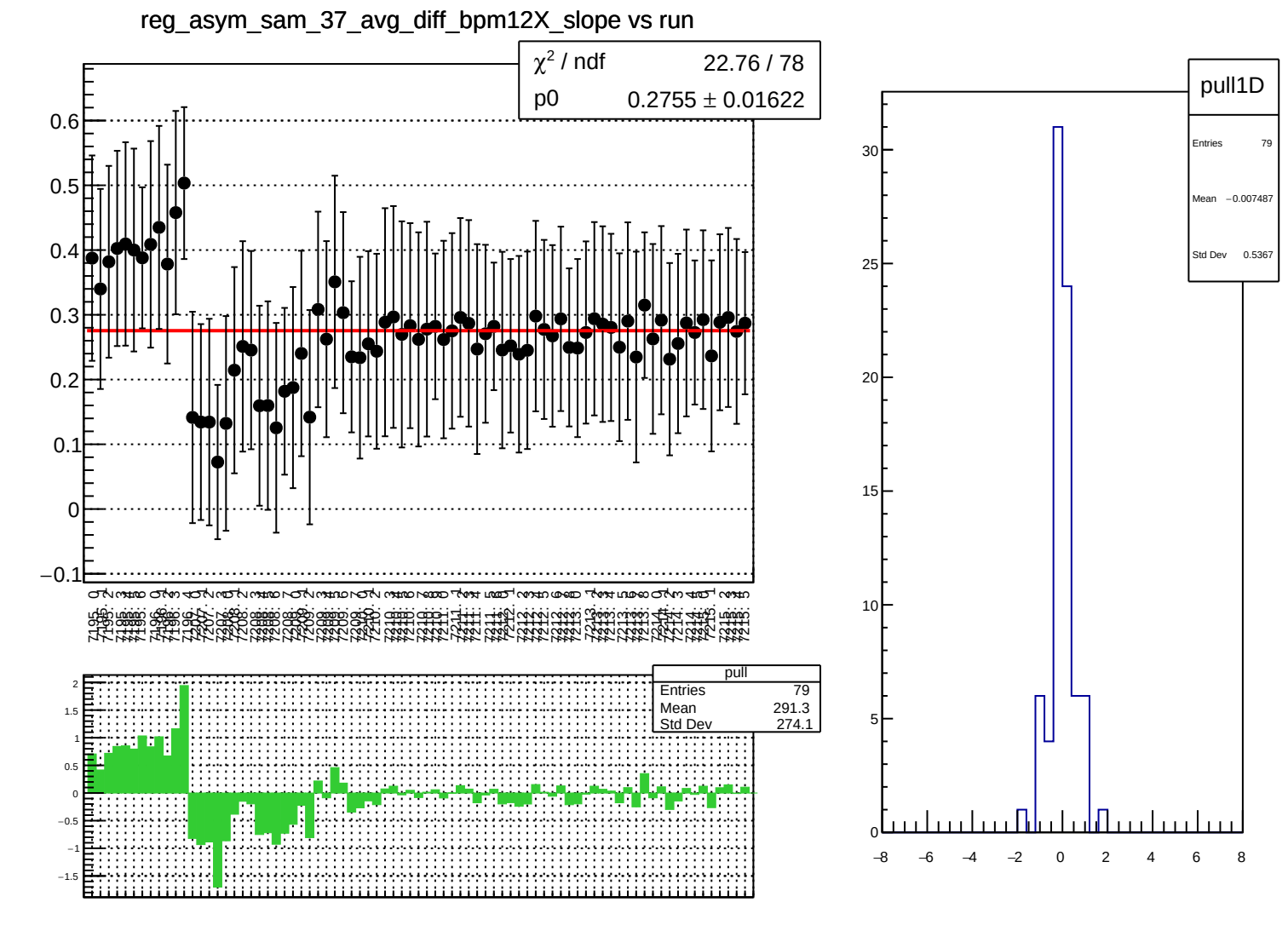

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 109.6 / 78
p0 0.4721± 0.02371
pull
Entries 79
Mean 272.3
Std Dev 242.3
pull1D
Entries 79
Mean 0.05898
Std Dev 1.176

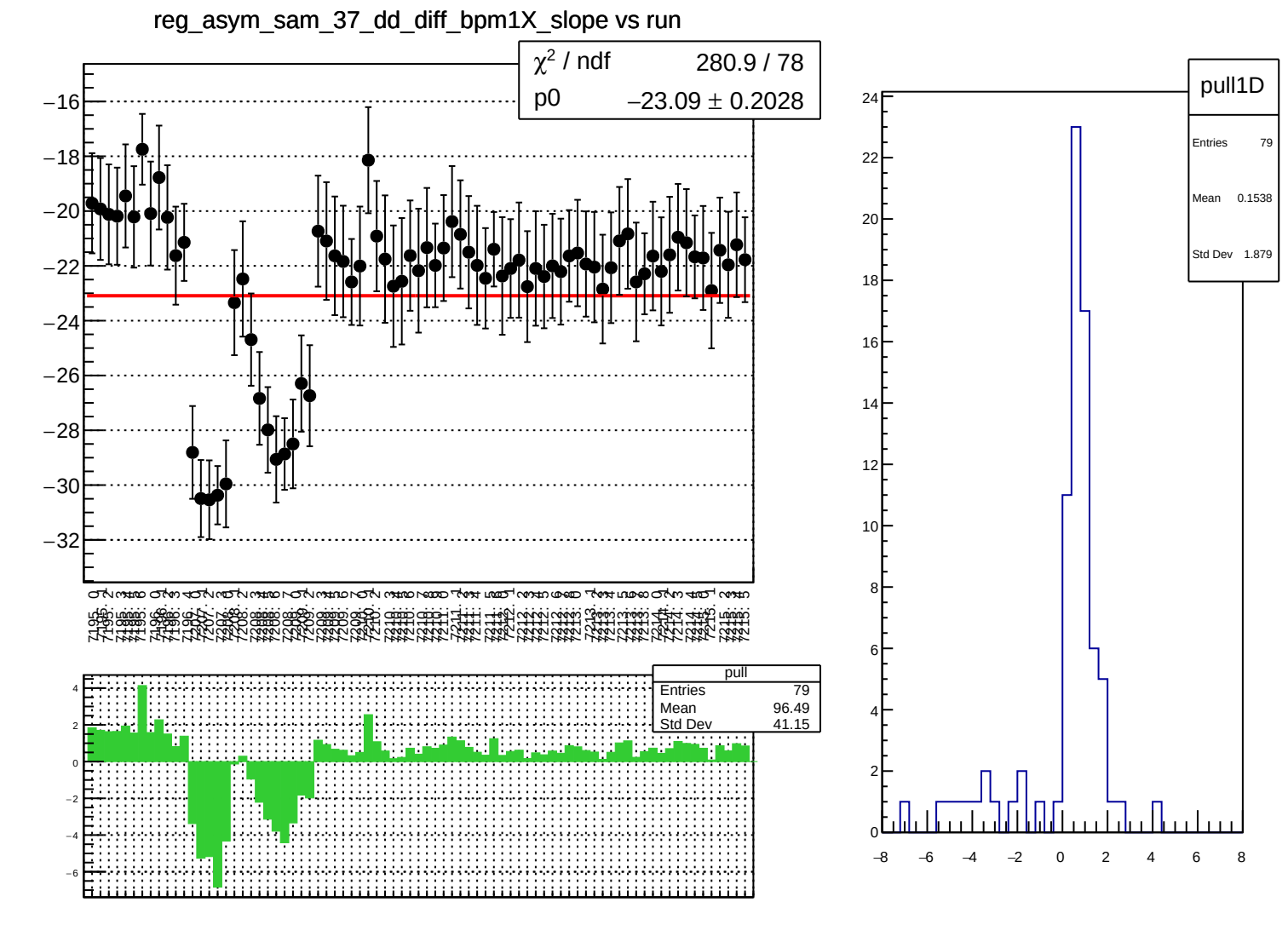

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 535.9 / 78
p0 −10.88 ± 0.4585
pull
Entries 79
Mean 105.7
Std Dev 57.9
pull1D
Entries 79
Mean 0.4165
Std Dev 2.317

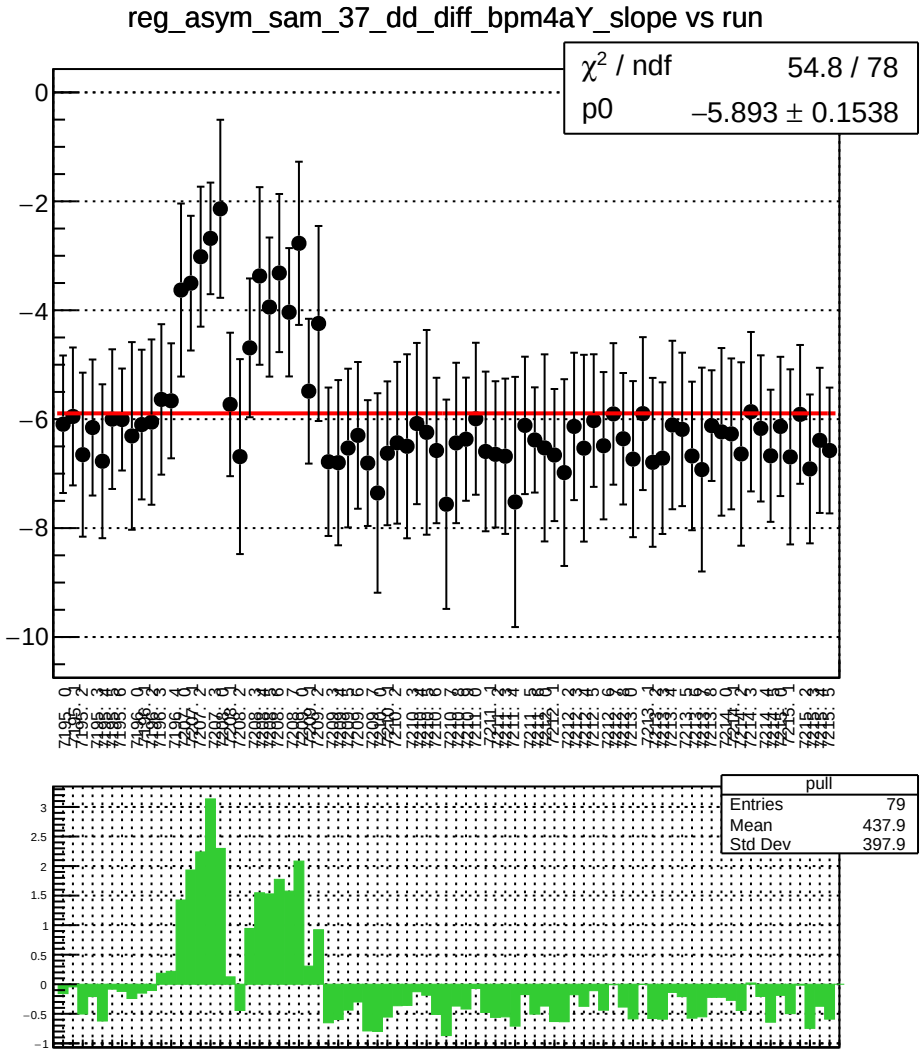

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 135.9 / 78
p0 4.404 ± 0.3478
pull
Entries 79
Mean 489.5
Std Dev 444.5
pull1D
Entries 79
Mean −0.02097
Std Dev 1.311

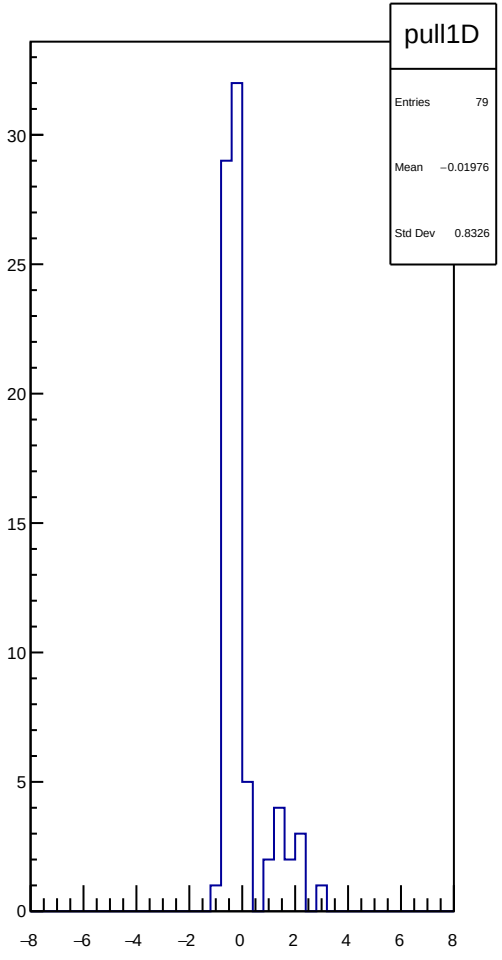

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 404 / 78
p0 −41.52 ± 0.4615
pull
Entries 79
Mean 98.67
Std Dev 50.7
pull1D
Entries 79
Mean −0.3709
Std Dev 2.024

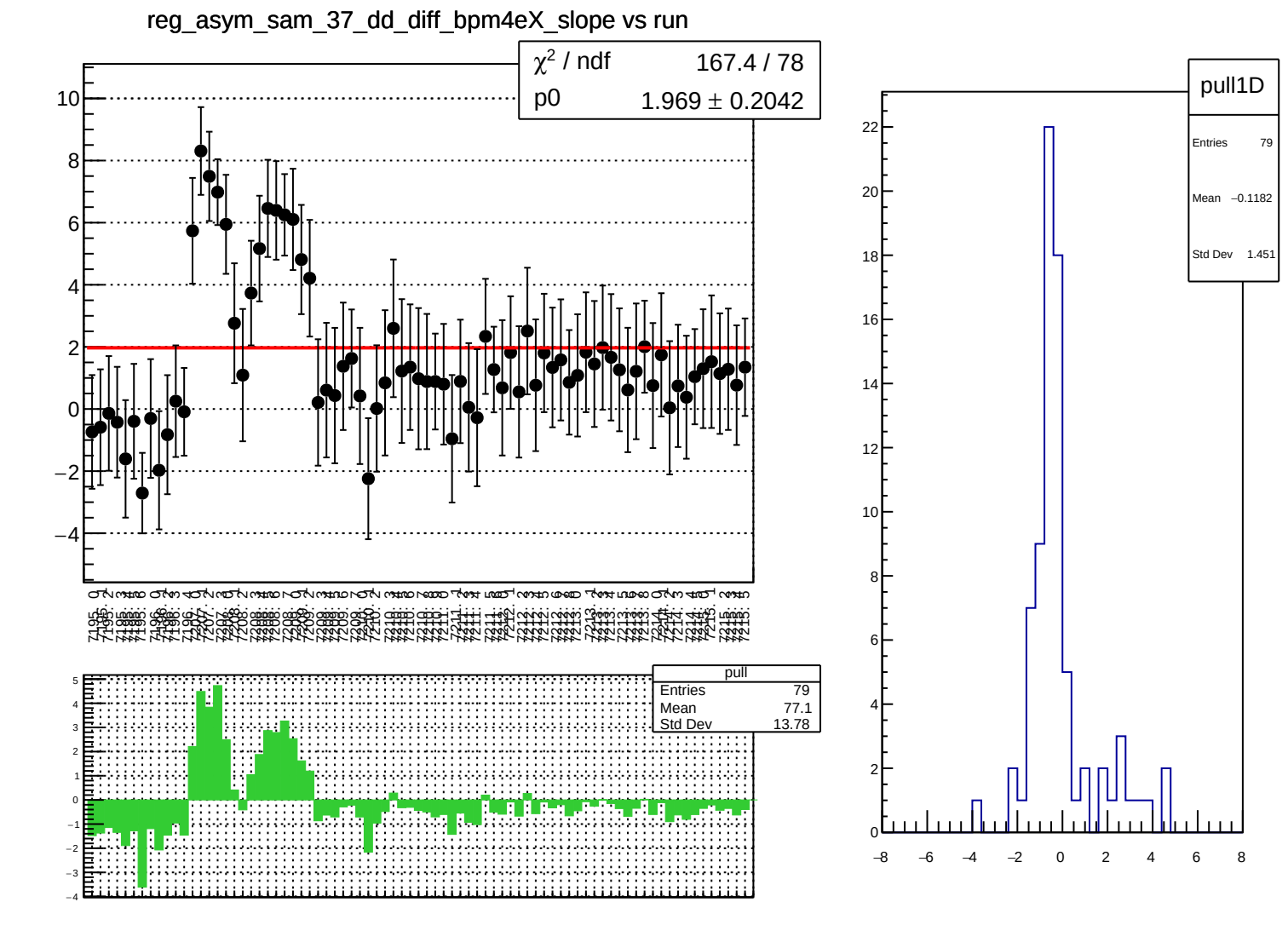

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 157.1 / 78
p0 1.809 ± 0.3869
pull
Entries 79
Mean 290.5
Std Dev 242.5
pull1D
Entries 79
Mean 0.03439
Std Dev 1.41

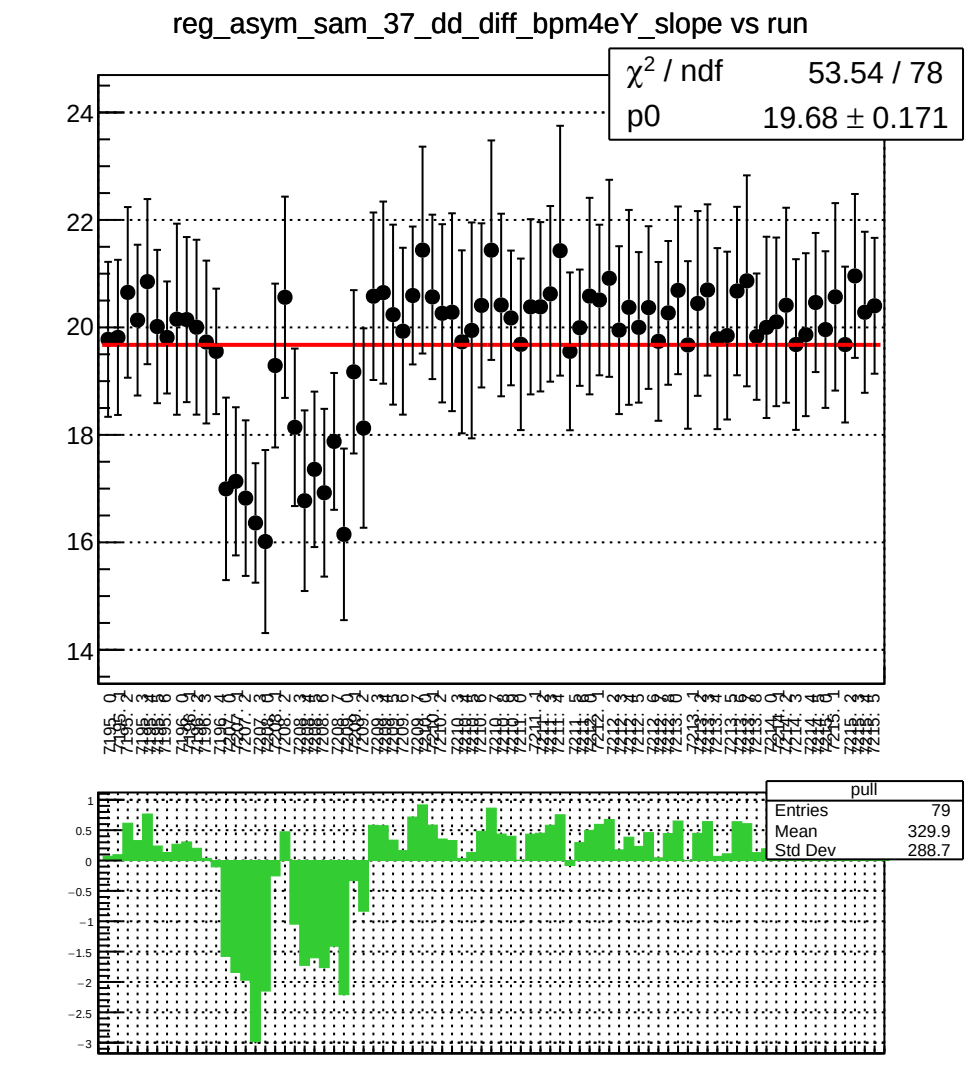

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 22.76 / 78
p0 0.2755 ± 0.01622
pull
Entries 79
Mean 291.3
Std Dev 274.1
pull1D
Entries 79
Mean −0.007487
Std Dev 0.5367

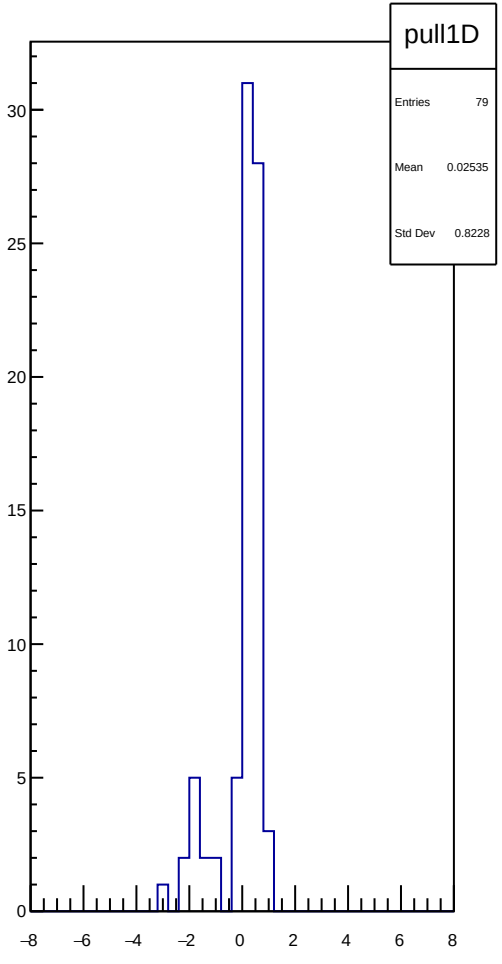

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 280.9 / 78
p0 −23.09 ± 0.2028
pull
Entries 79
Mean 96.49
Std Dev 41.15
pull1D
Entries 79
Mean 0.1538
Std Dev 1.879

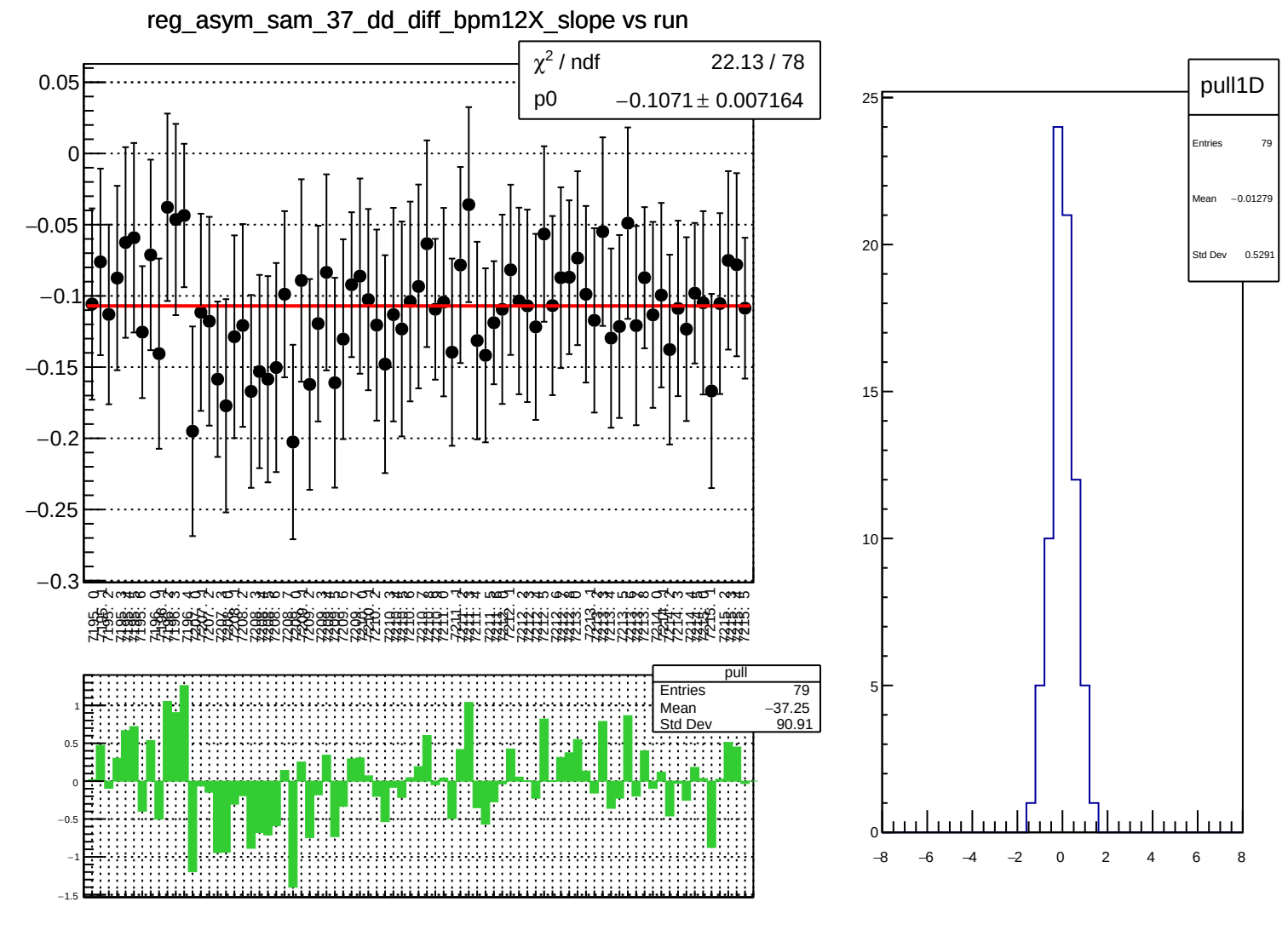

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 54.8 / 78
p0 −5.893 ± 0.1538
pull
Entries 79
Mean 437.9
Std Dev 397.9

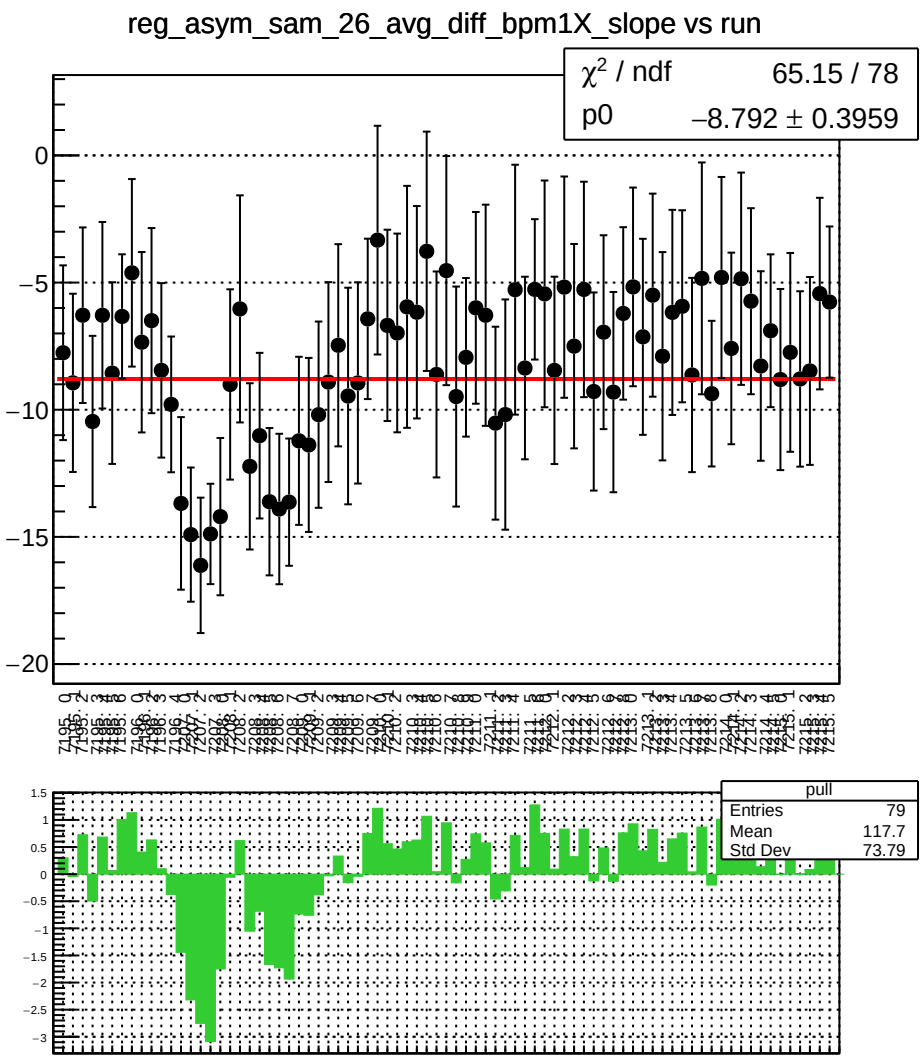

pull1D
Entries 79
Mean −0.01976
Std Dev 0.8326

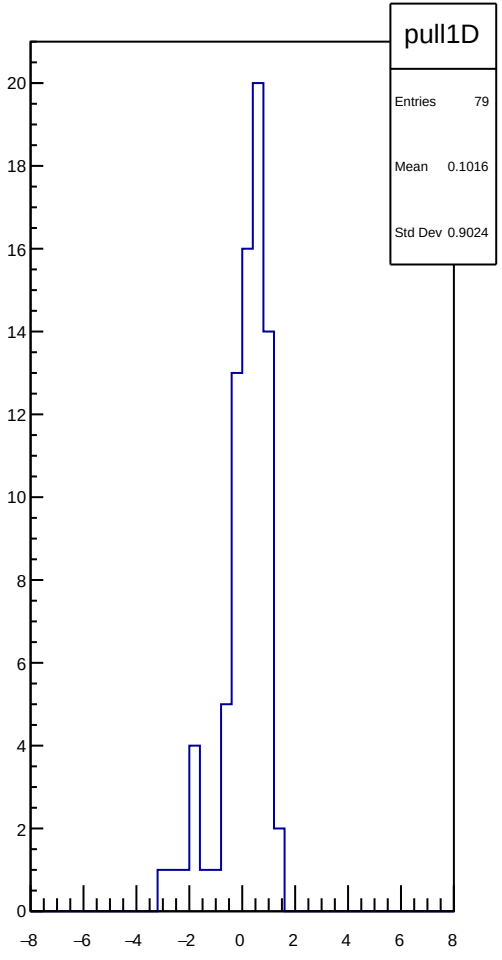

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 167.4 / 78
p0 1.969 ± 0.2042
pull
Entries 79
Mean 77.1
Std Dev 13.78
pull1D
Entries 79
Mean −0.1182
Std Dev 1.451

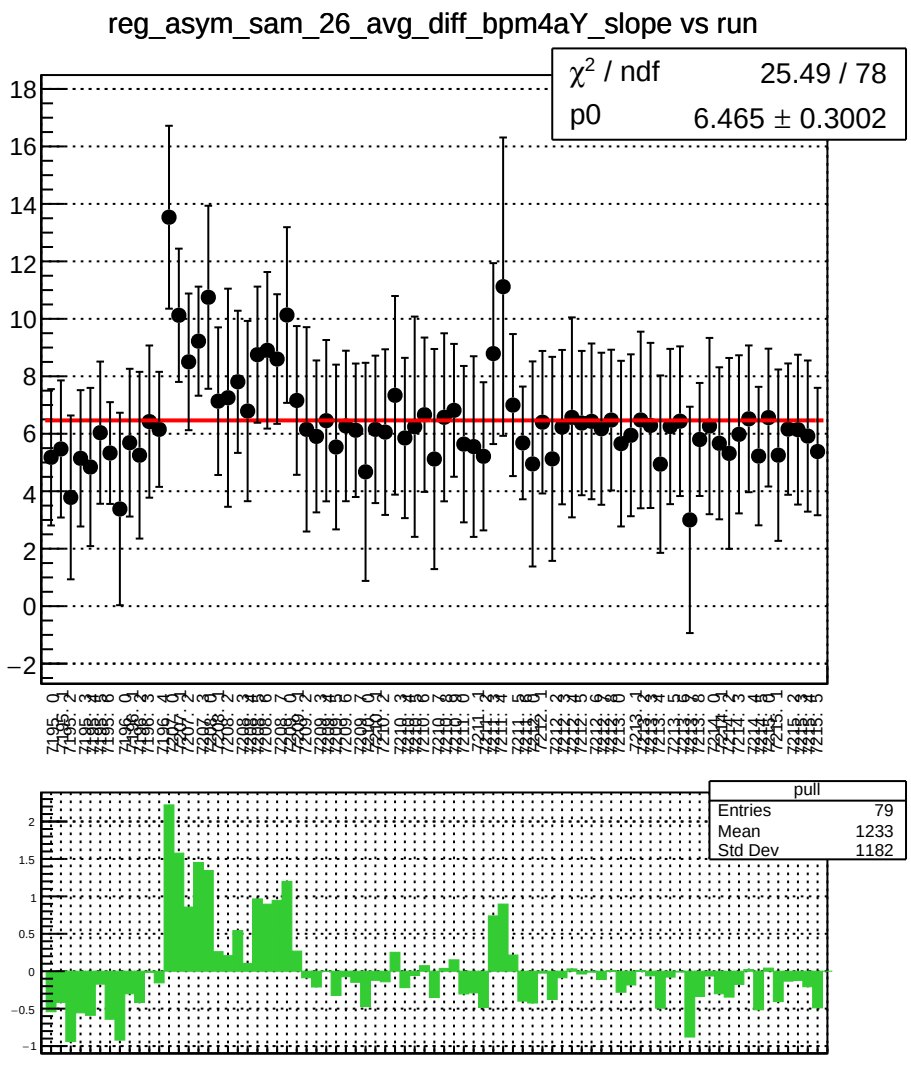

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 53.54 / 78
p0 19.68 ± 0.171
pull
Entries 79
Mean 329.9
Std Dev 288.7

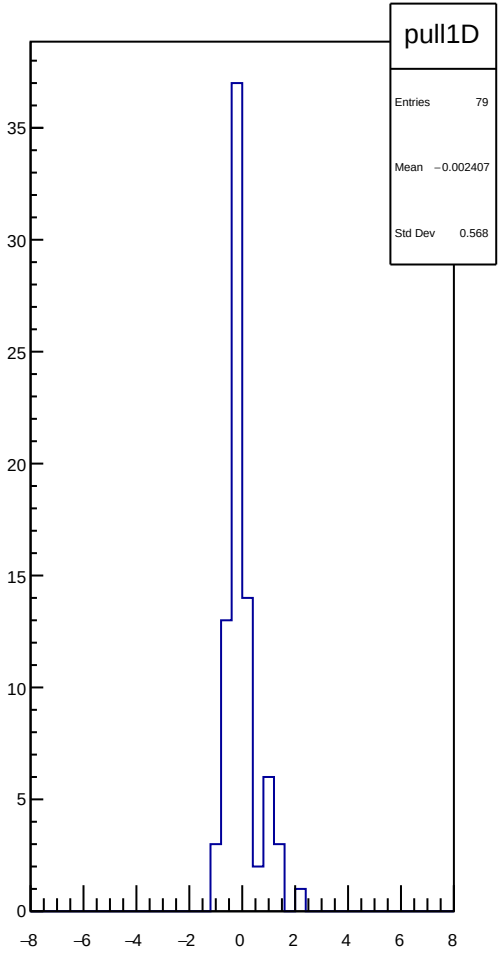

pull1D
Entries 79
Mean 0.02535
Std Dev 0.8228

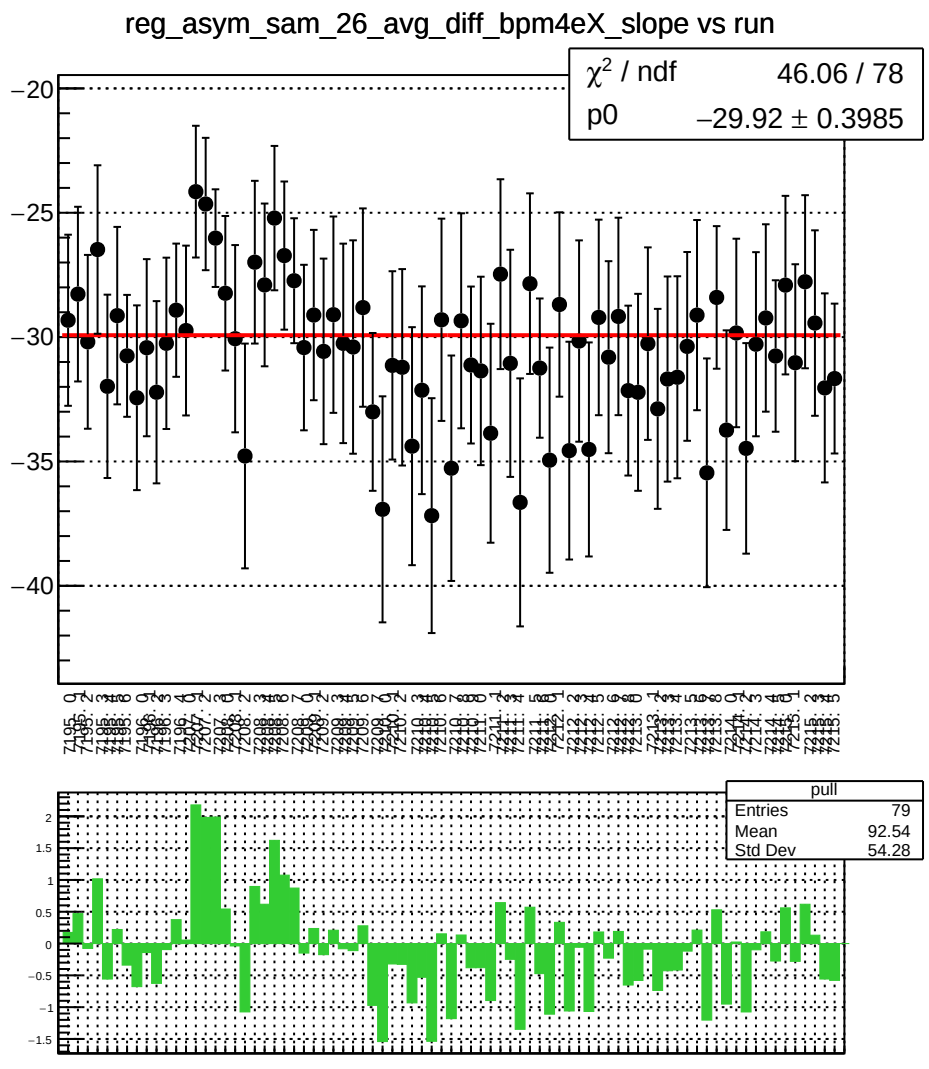

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 22.13 / 78
p0 −0.1071 ± 0.007164
pull
Entries 79
Mean −37.25
Std Dev 90.91
pull1D
Entries 79
Mean −0.01279
Std Dev 0.5291

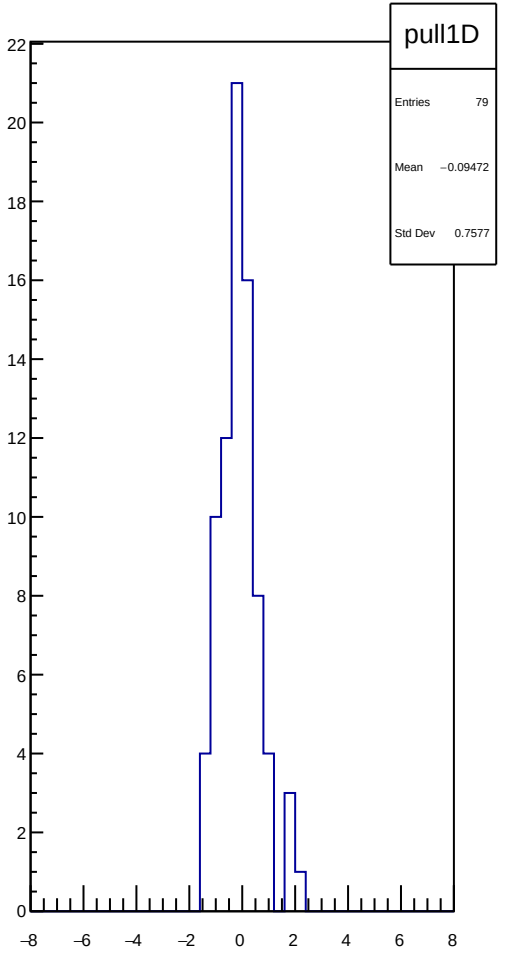

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 65.15 / 78
p0 −8.792 ± 0.3959
pull
Entries 79
Mean 117.7
Std Dev 73.79

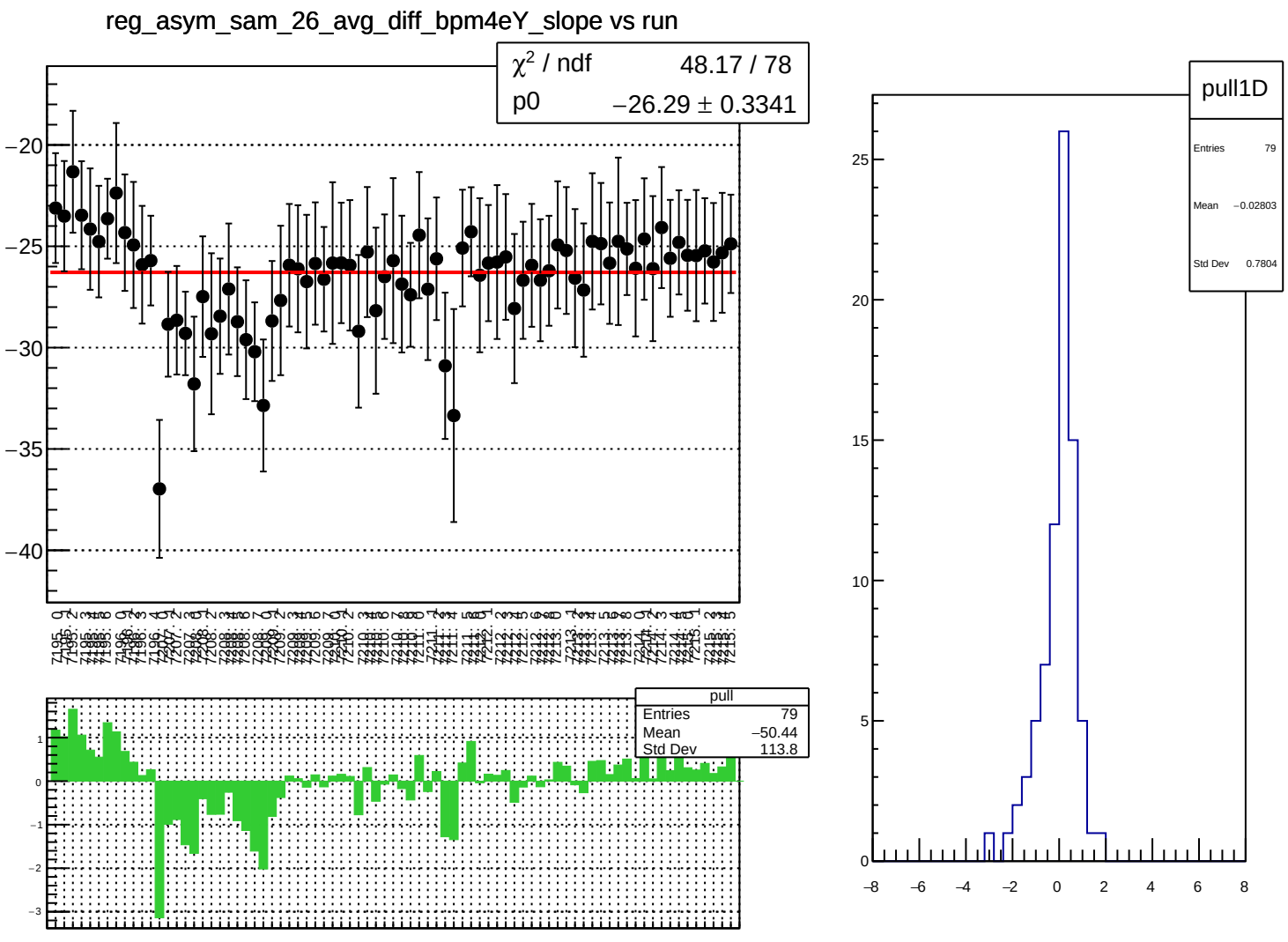

pull1D
Entries 79
Mean 0.1016
Std Dev 0.9024

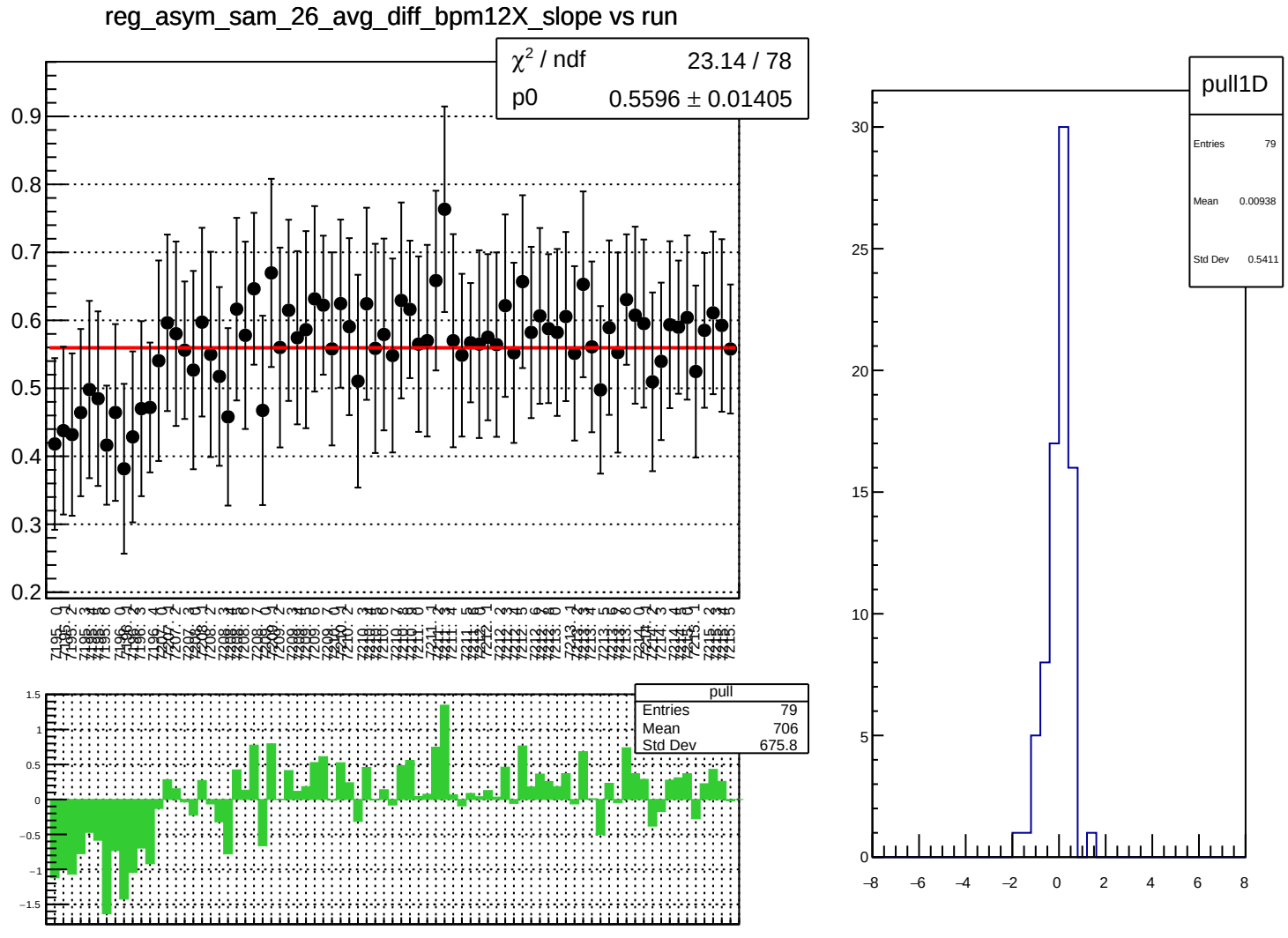

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 25.49 / 78
p0 6.465 ± 0.3002
pull
Entries 79
Mean 1233
Std Dev 1182

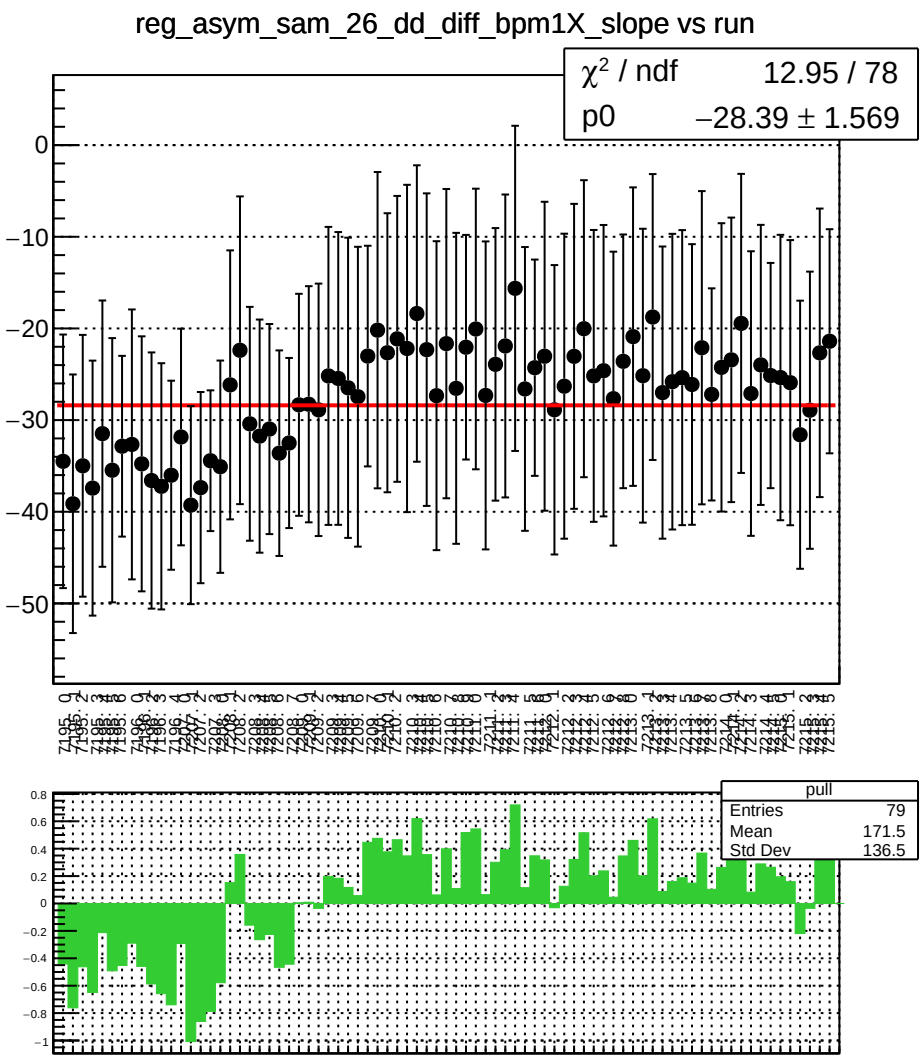

pull1D
Entries 79
Mean −0.002407
Std Dev 0.568

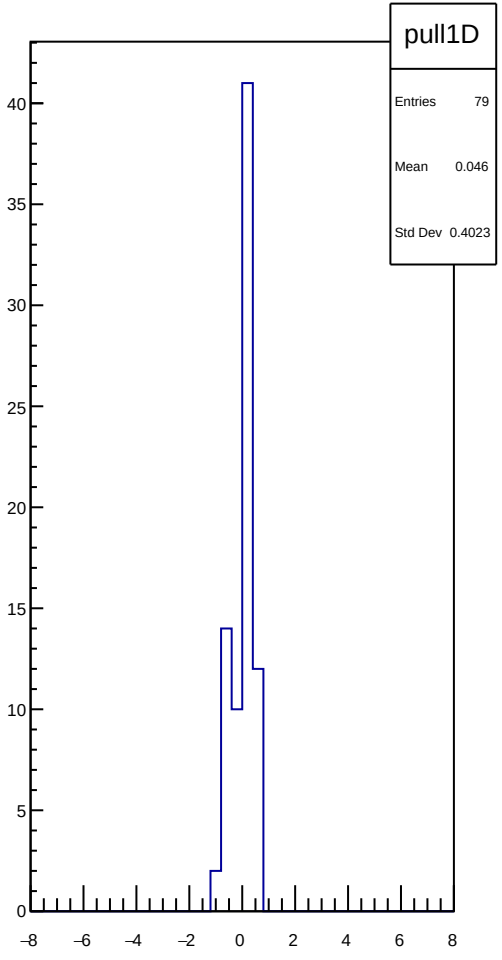

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 46.06 / 78
p0 −29.92 ± 0.3985
pull
Entries 79
Mean 92.54
Std Dev 54.28

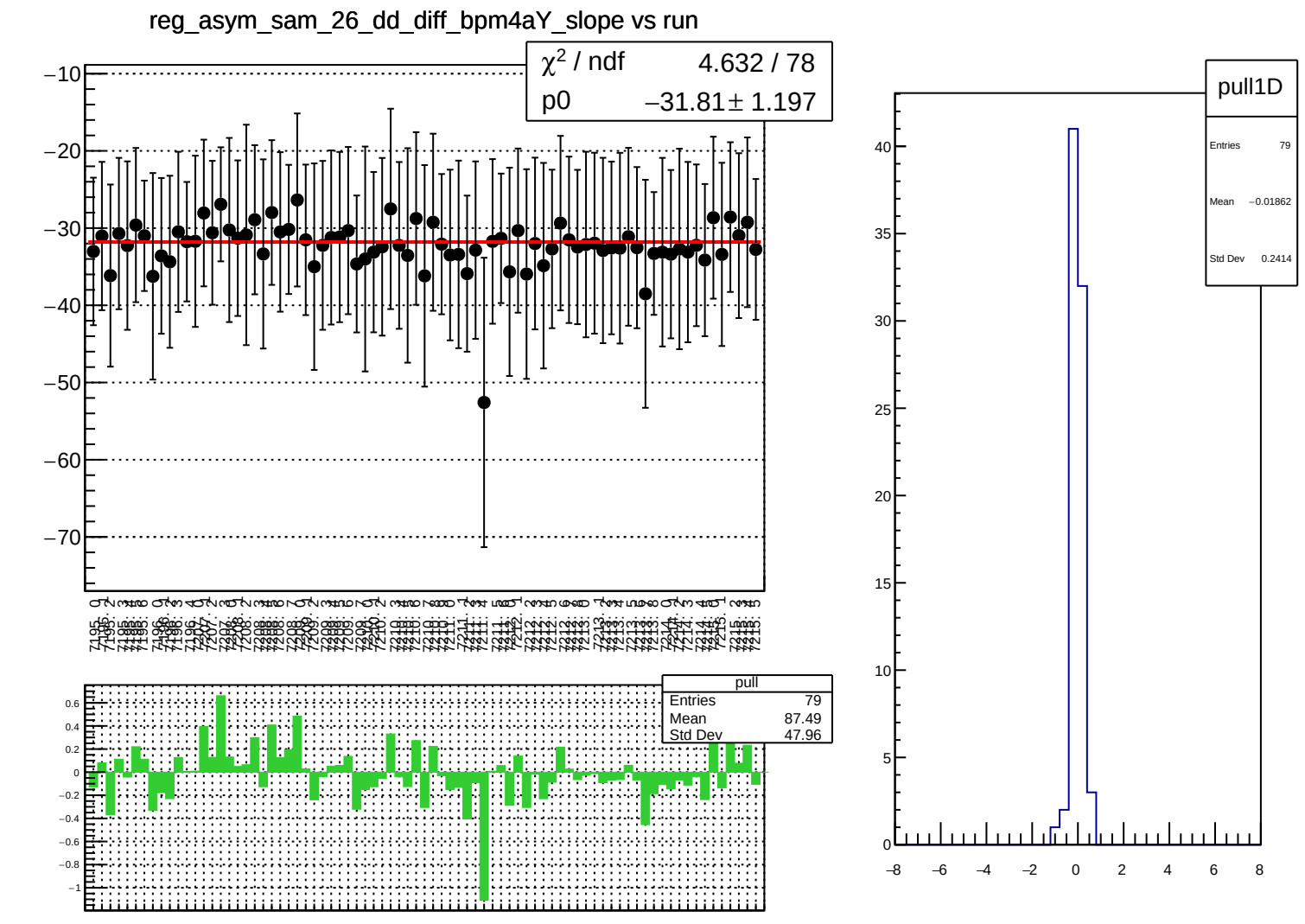

pull1D
Entries 79
Mean −0.09472
Std Dev 0.7577

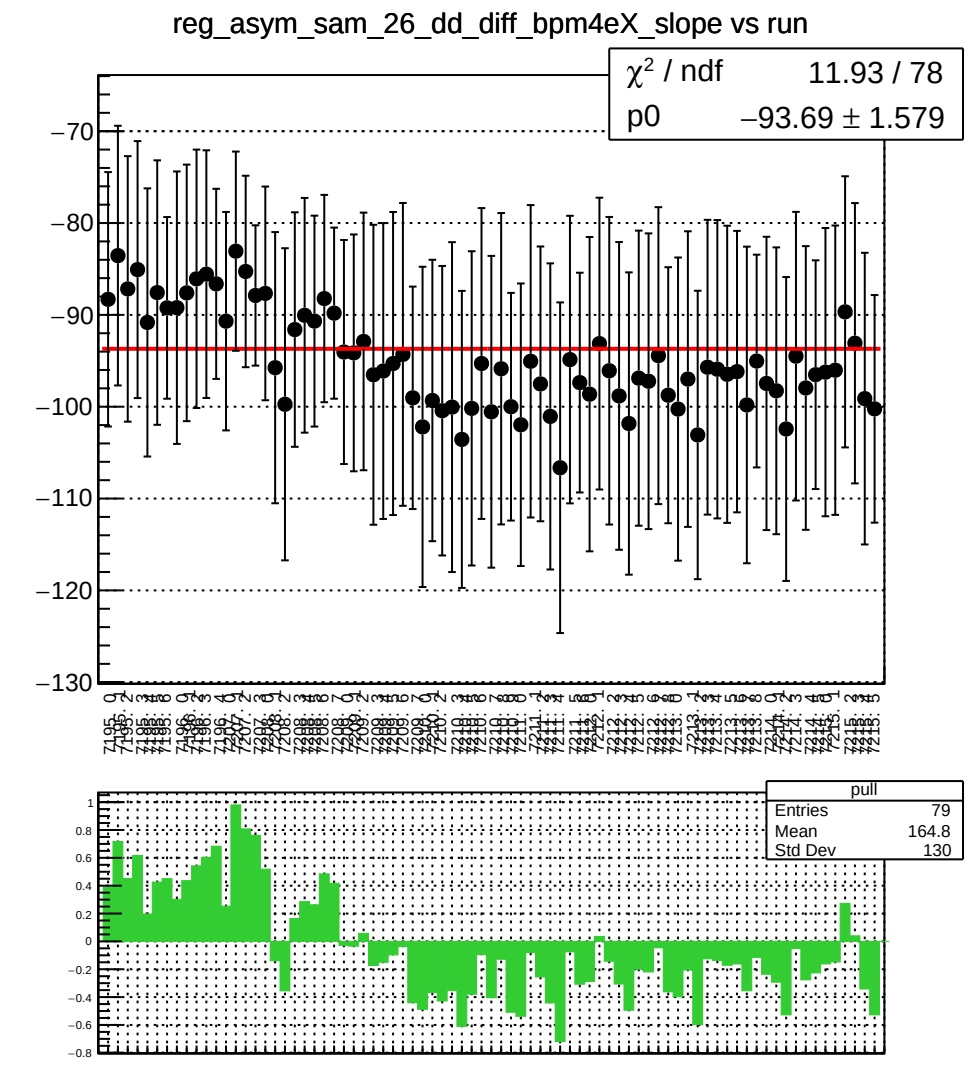

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 48.17 / 78
p0 −26.29 ± 0.3341
pull
Entries 79
Mean −50.44
Std Dev 113.8
pull1D
Entries 79
Mean −0.02803
Std Dev 0.7804

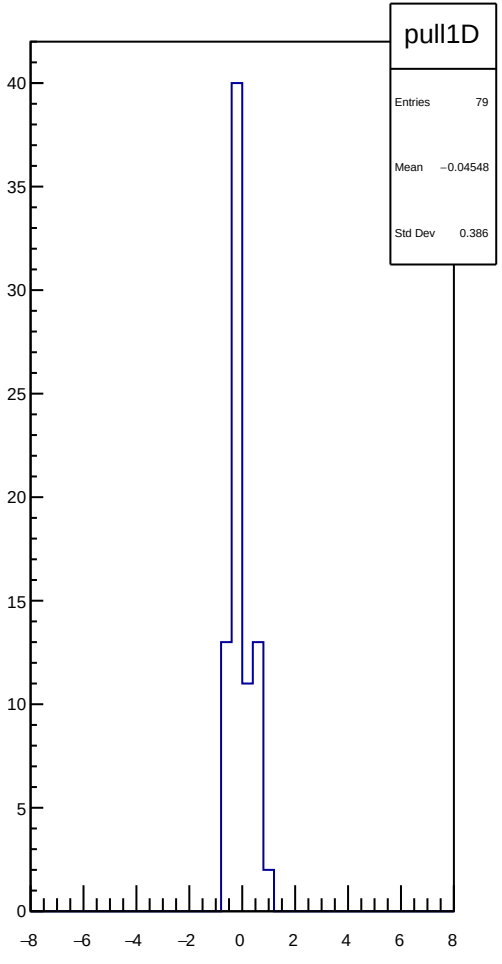

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 23.14 / 78
p0 0.5596 ± 0.01405
pull
Entries 79
Mean 706
Std Dev 675.8
pull1D
Entries 79
Mean 0.00938
Std Dev 0.5411

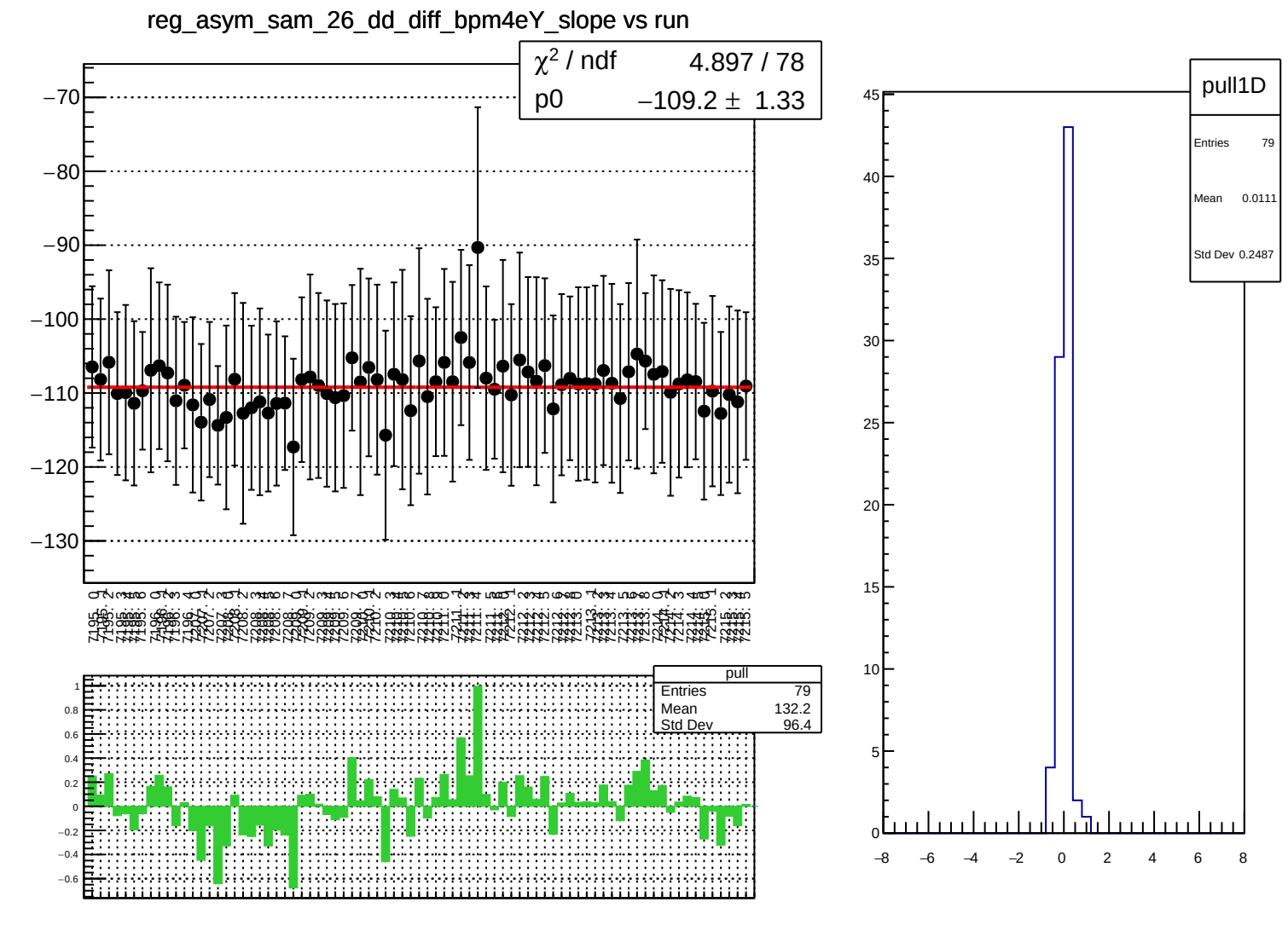

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 12.95 / 78
p0 −28.39 ± 1.569
pull
Entries 79
Mean 171.5
Std Dev 136.5

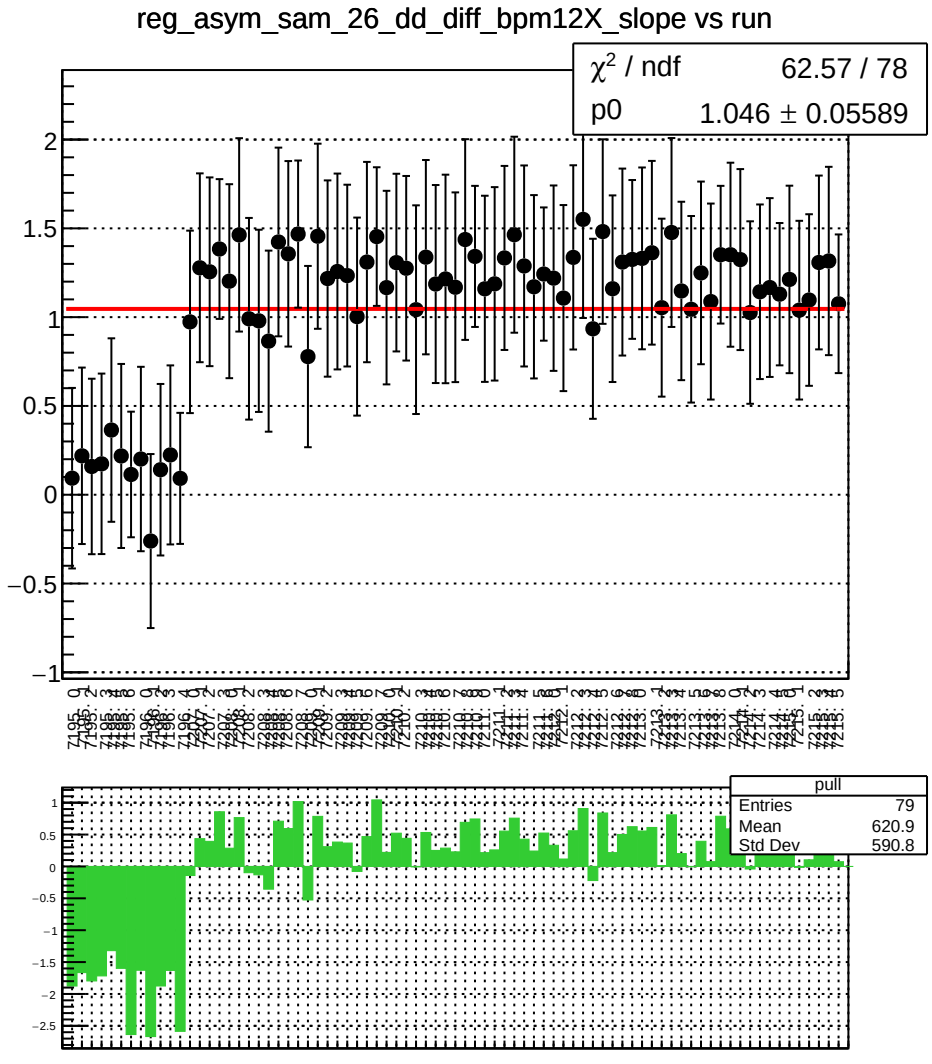

pull1D
Entries 79
Mean 0.046
Std Dev 0.4023

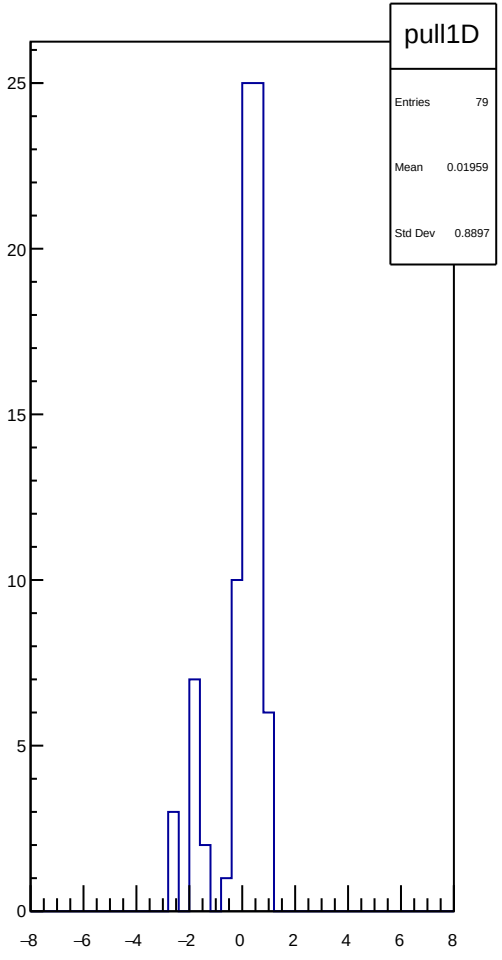

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.632 / 78
p0 −31.81 ± 1.197
pull
Entries 79
Mean 87.49
Std Dev 47.96
pull1D
Entries 79
Mean −0.01862
Std Dev 0.2414

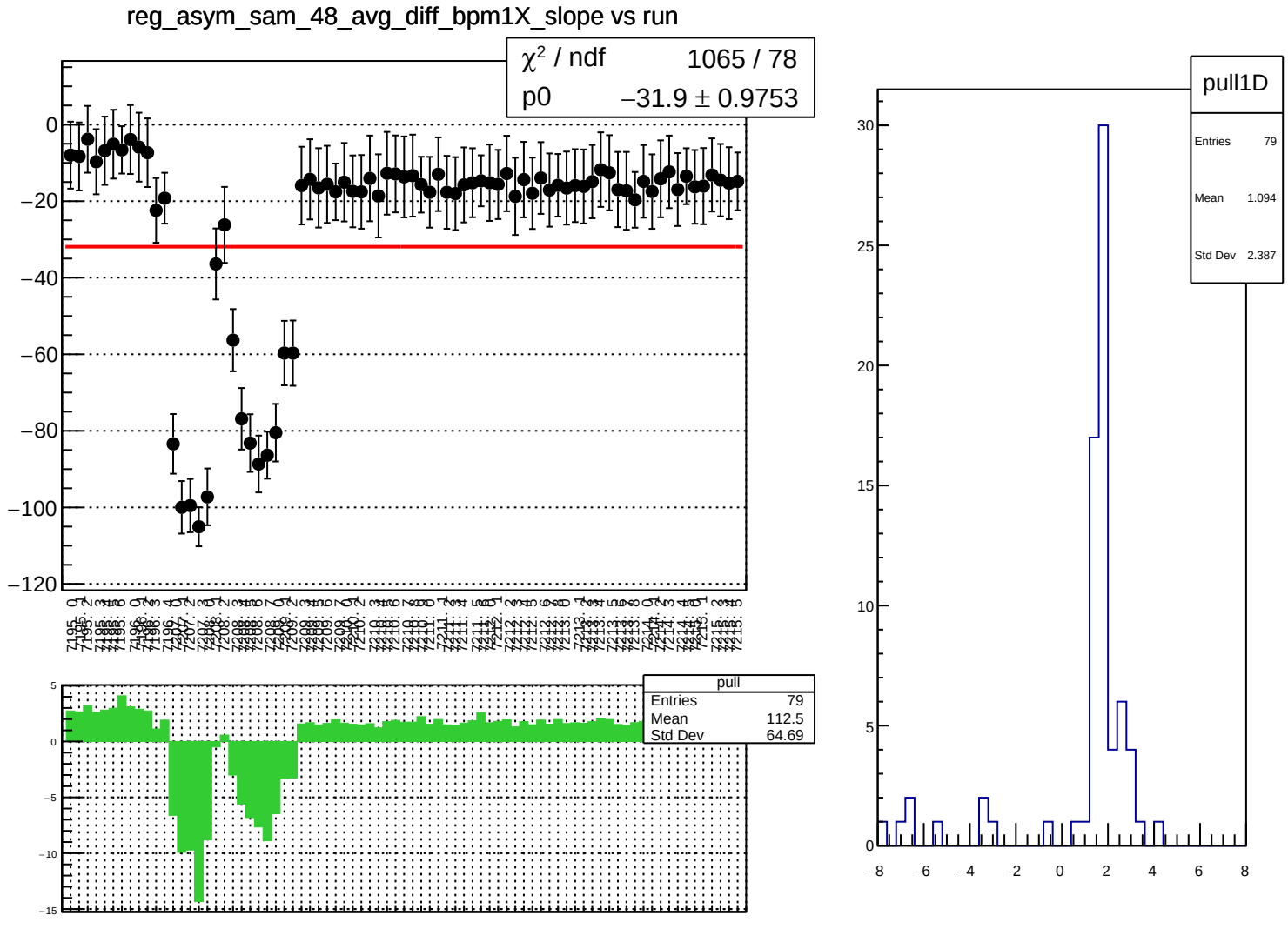

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 11.93 / 78
p0 −93.69 ± 1.579
pull
Entries 79
Mean 164.8
Std Dev 130

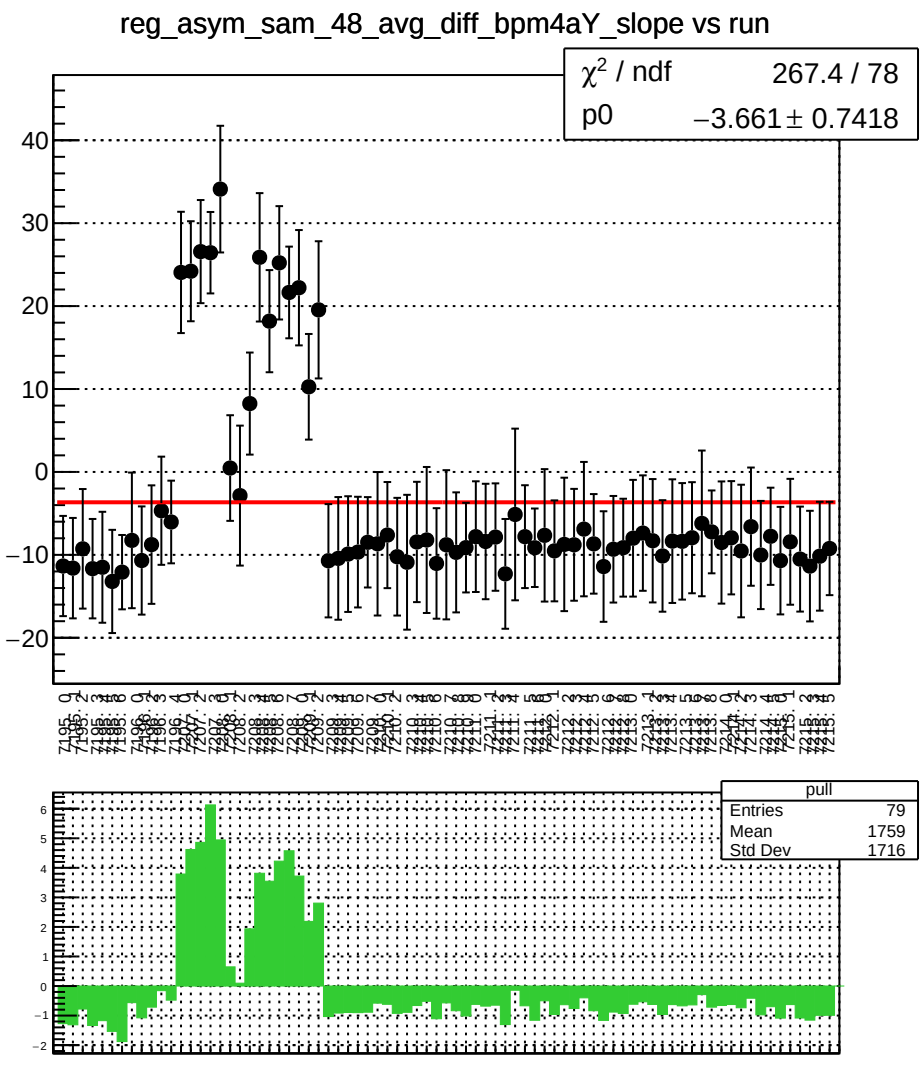

pull1D
Entries 79
Mean −0.04548
Std Dev 0.386

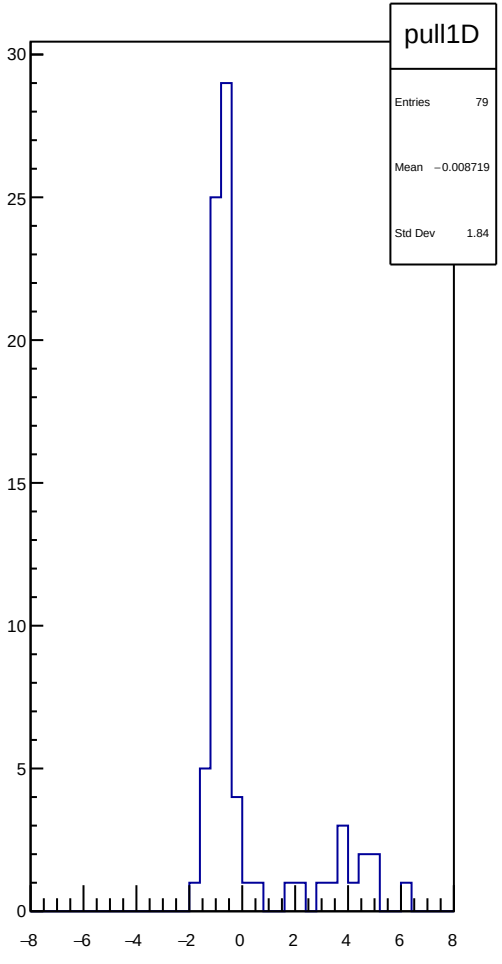

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.897 / 78
p0 −109.2 ± 1.33
pull
Entries 79
Mean 132.2
Std Dev 96.4
pull1D
Entries 79
Mean 0.0111
Std Dev 0.2487

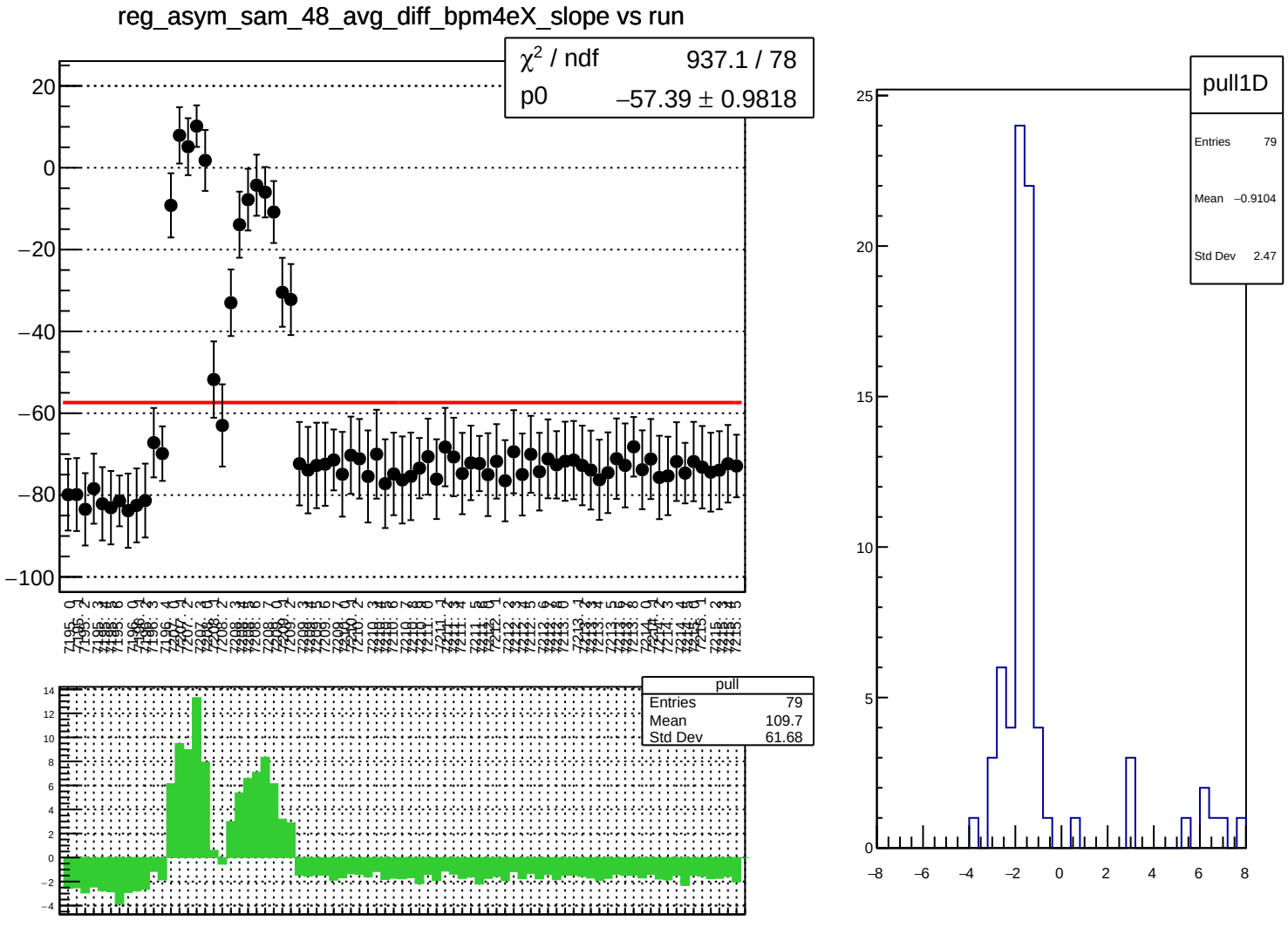

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 62.57 / 78
p0 1.046 ± 0.05589
pull
Entries 79
Mean 620.9
Std Dev 590.8

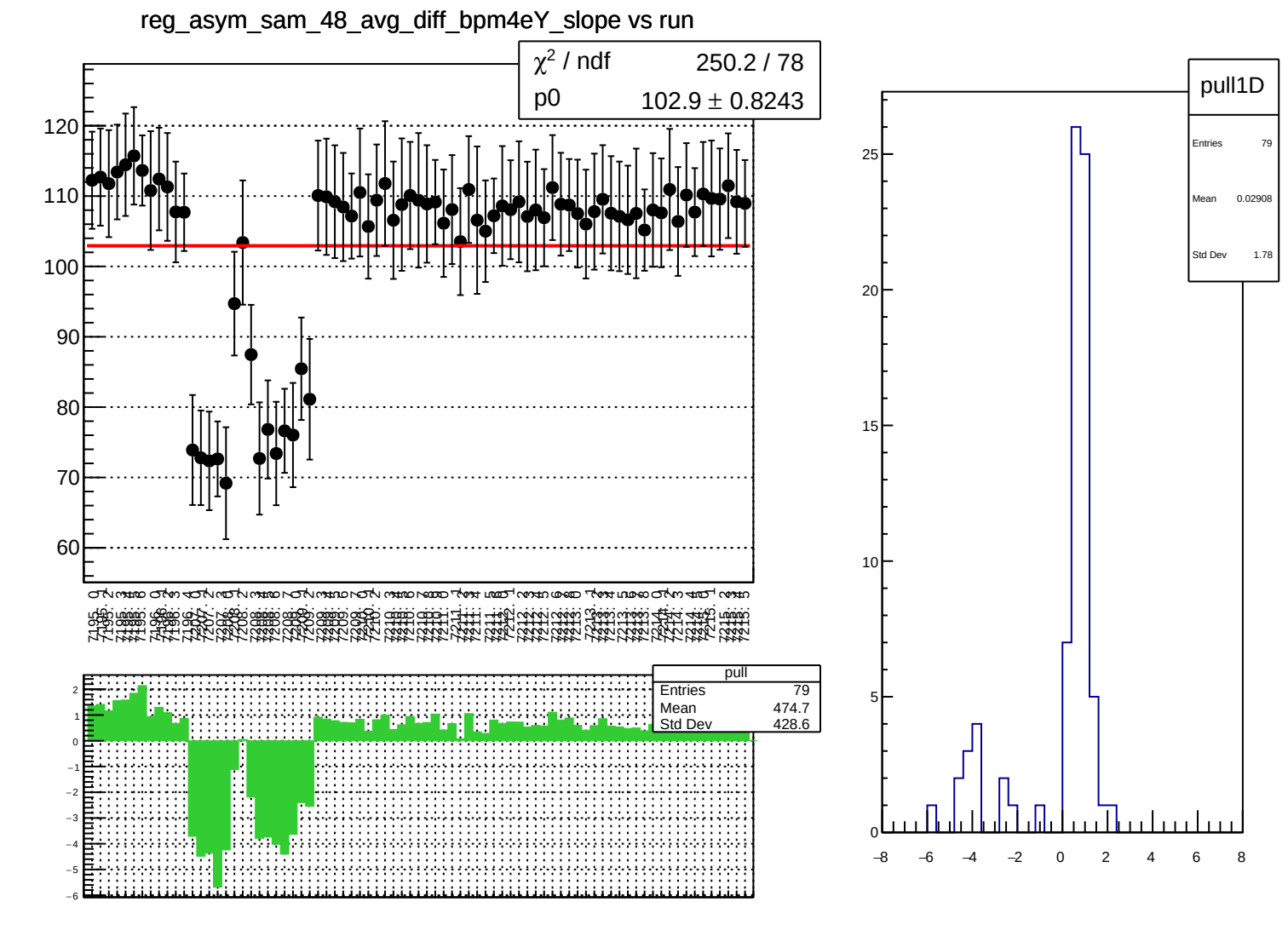

pull1D
Entries 79
Mean 0.01959
Std Dev 0.8897

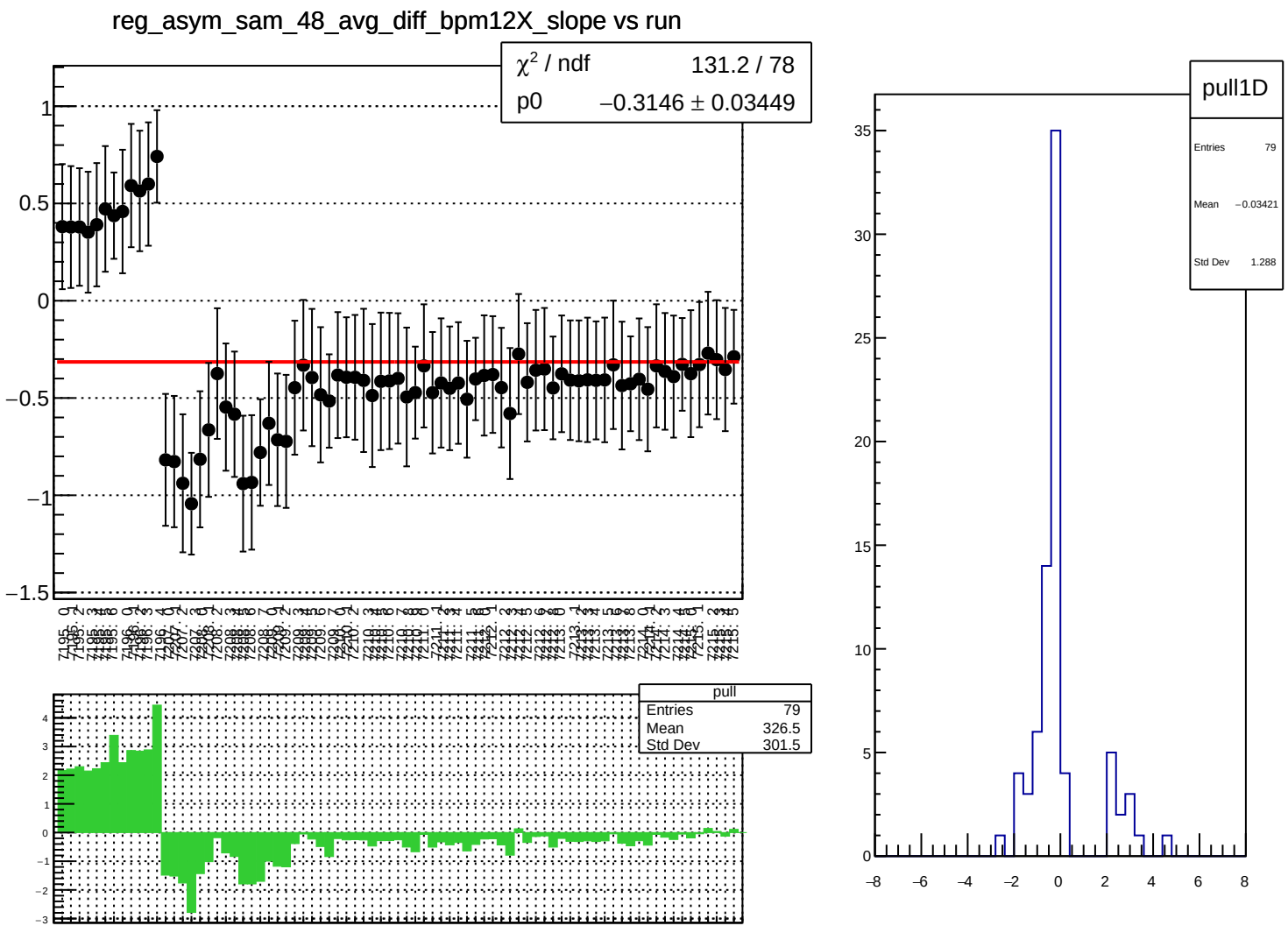

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 1065 / 78
p0 −31.9 ± 0.9753
pull
Entries 79
Mean 112.5
Std Dev 64.69
pull1D
Entries 79
Mean 1.094
Std Dev 2.387

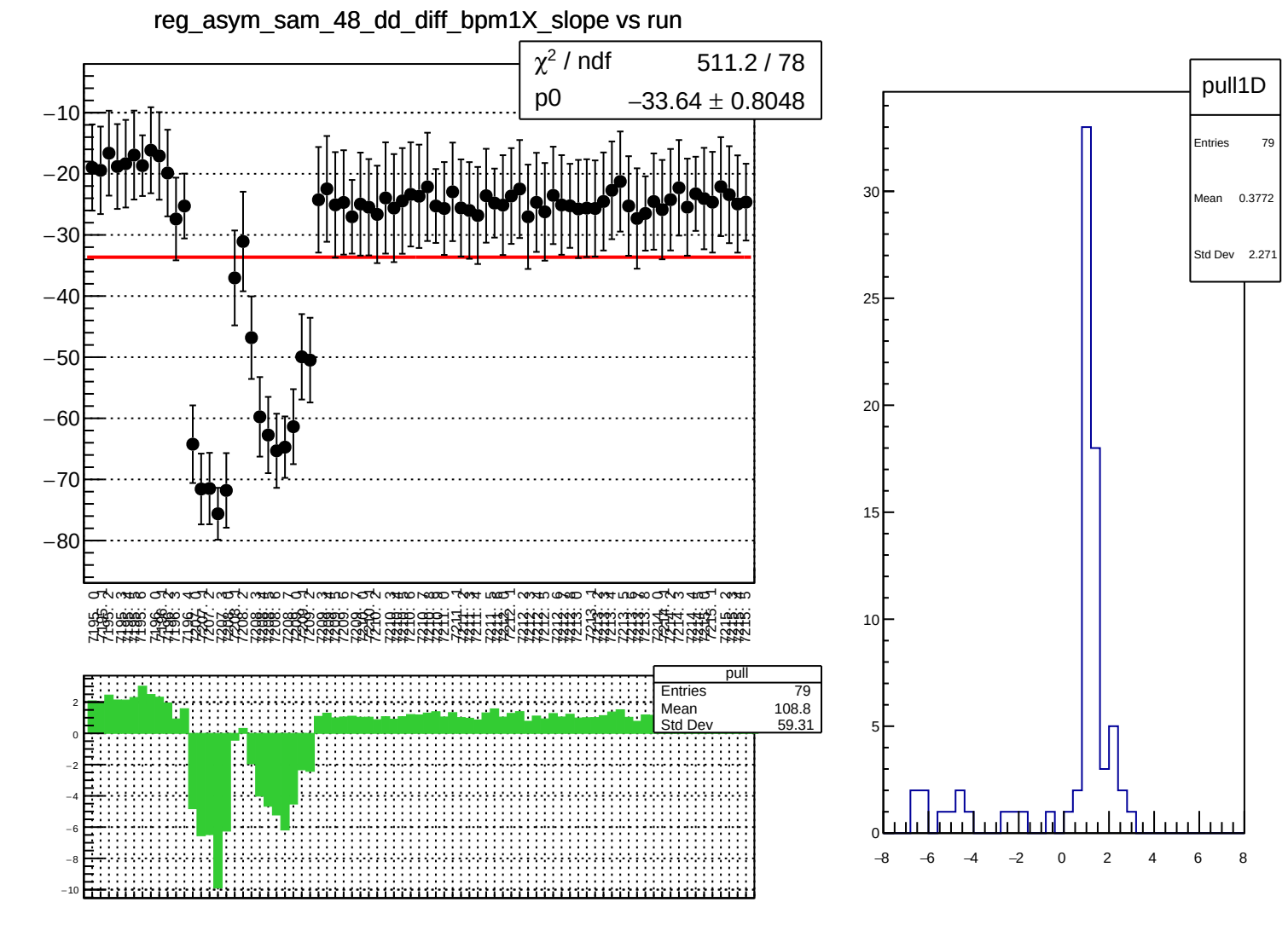

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 267.4 / 78
p0 −3.661 ± 0.7418
pull
Entries 79
Mean 1759
Std Dev 1716

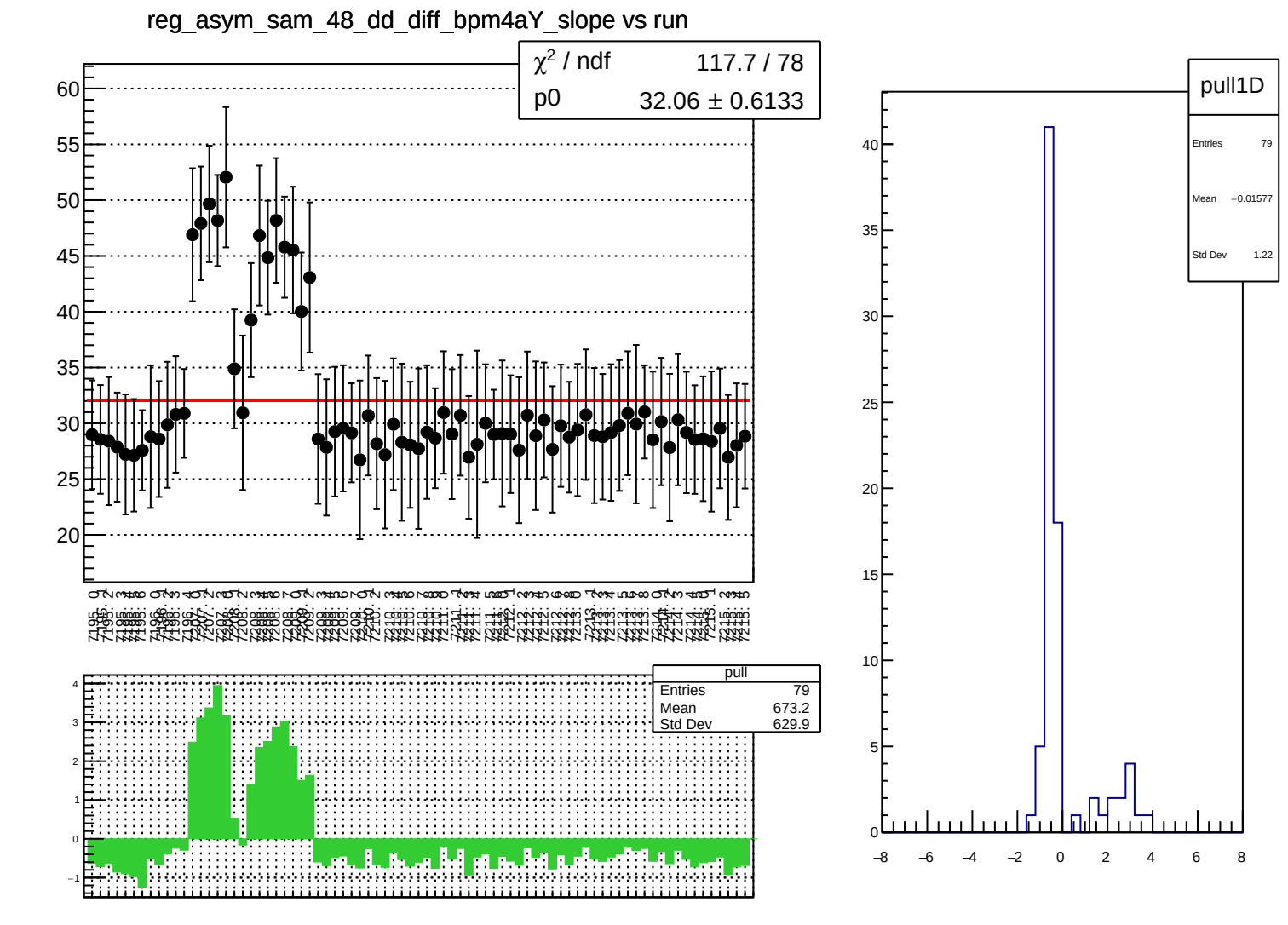

pull1D
Entries 79
Mean −0.008719
Std Dev 1.84

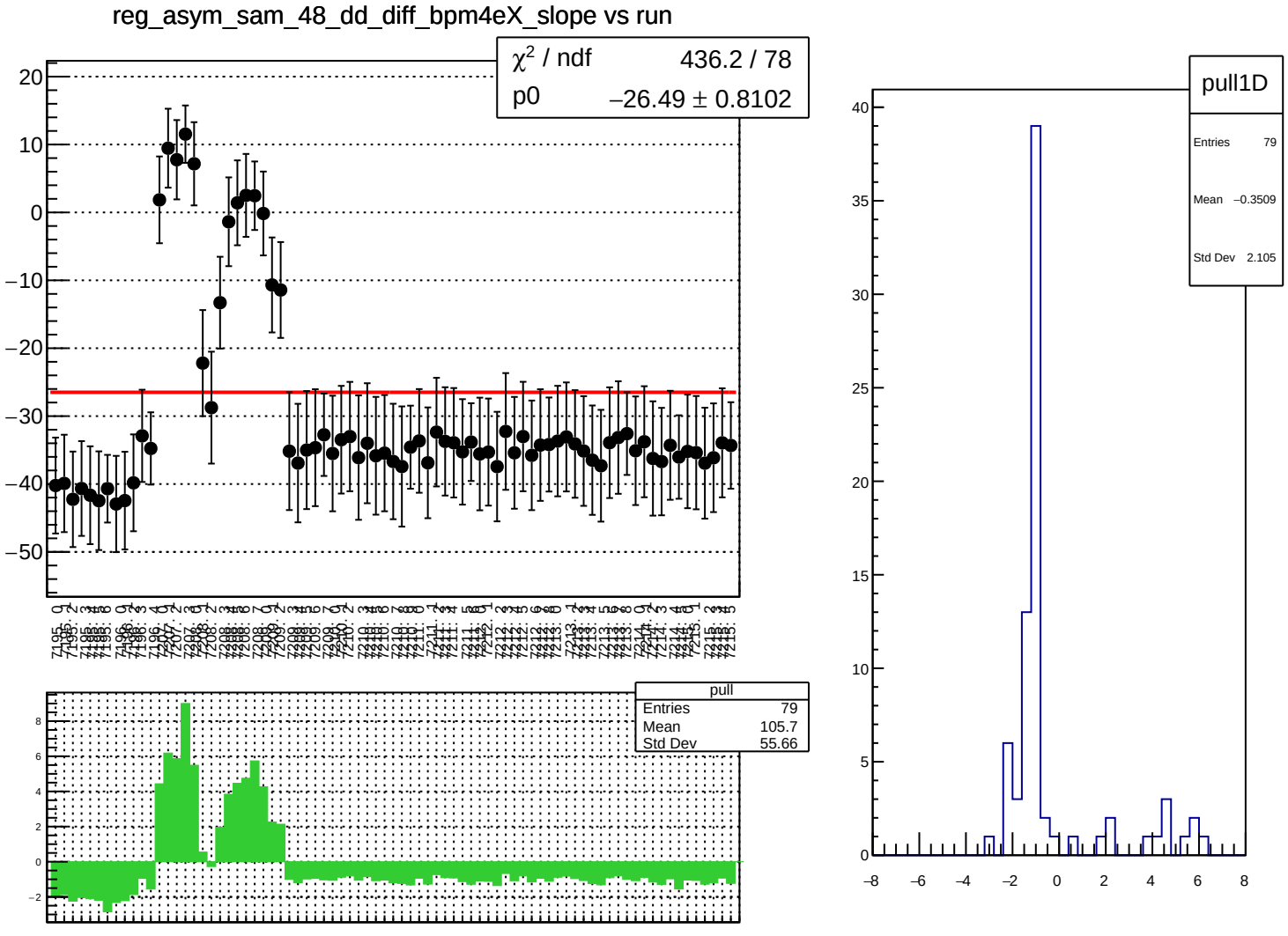

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 937.1 / 78
p0 −57.39 ± 0.9818
pull
Entries 79
Mean 109.7
Std Dev 61.68
pull1D
Entries 79
Mean −0.9104
Std Dev 2.47

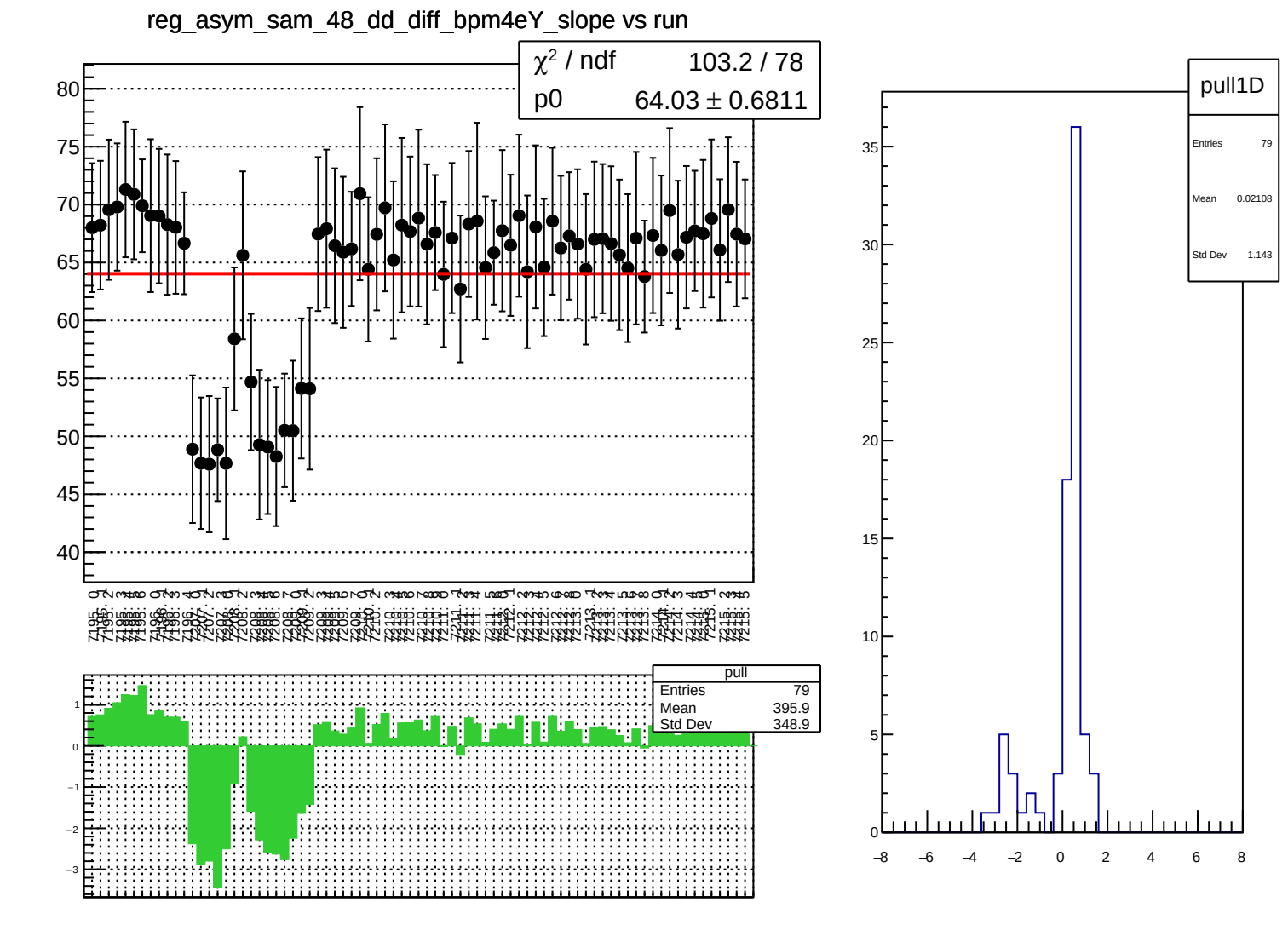

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 250.2 / 78
p0 102.9 ± 0.8243
pull
Entries 79
Mean 474.7
Std Dev 428.6
pull1D
Entries 79
Mean 0.02908
Std Dev 1.78

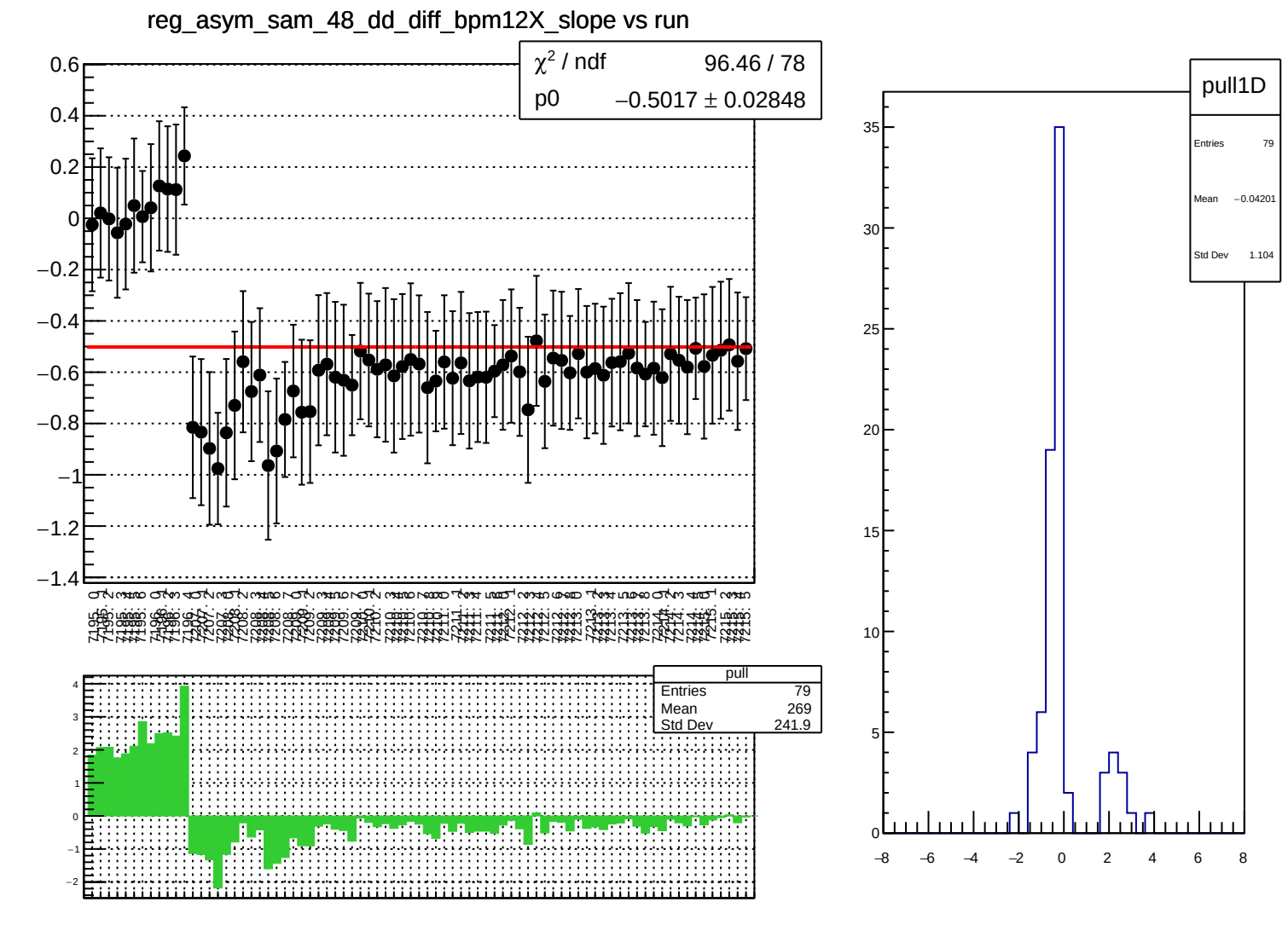

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 131.2 / 78
p0 −0.3146 ± 0.03449
pull
Entries 79
Mean 326.5
Std Dev 301.5
pull1D
Entries 79
Mean −0.03421
Std Dev 1.288

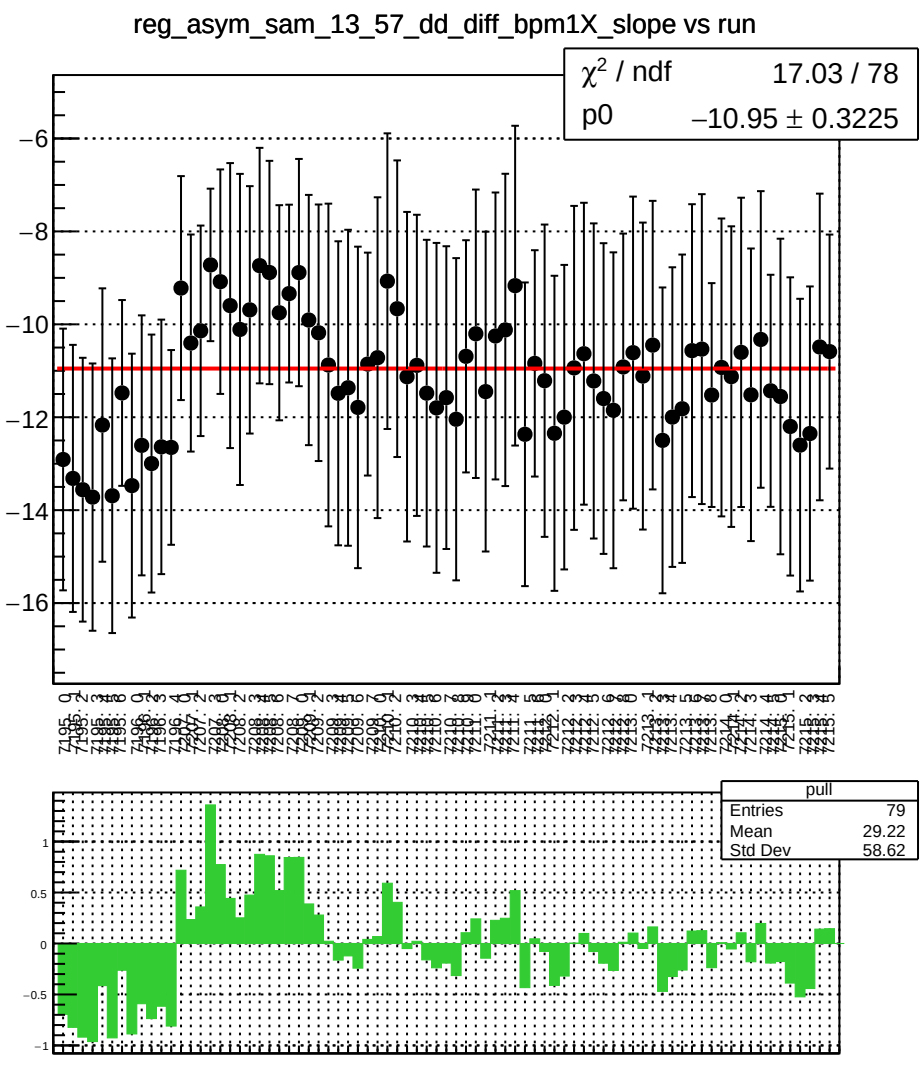

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 511.2 / 78
p0 −33.64 ± 0.8048
pull
Entries 79
Mean 108.8
Std Dev 59.31
pull1D
Entries 79
Mean 0.3772
Std Dev 2.271

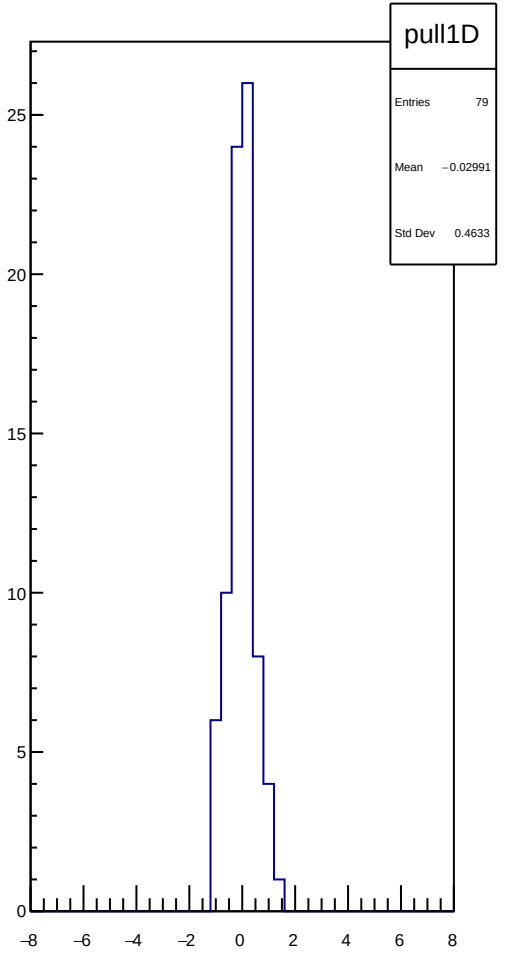

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 117.7 / 78
p0 32.06 ± 0.6133
pull
Entries 79
Mean 673.2
Std Dev 629.9
pull1D
Entries 79
Mean −0.01577
Std Dev 1.22

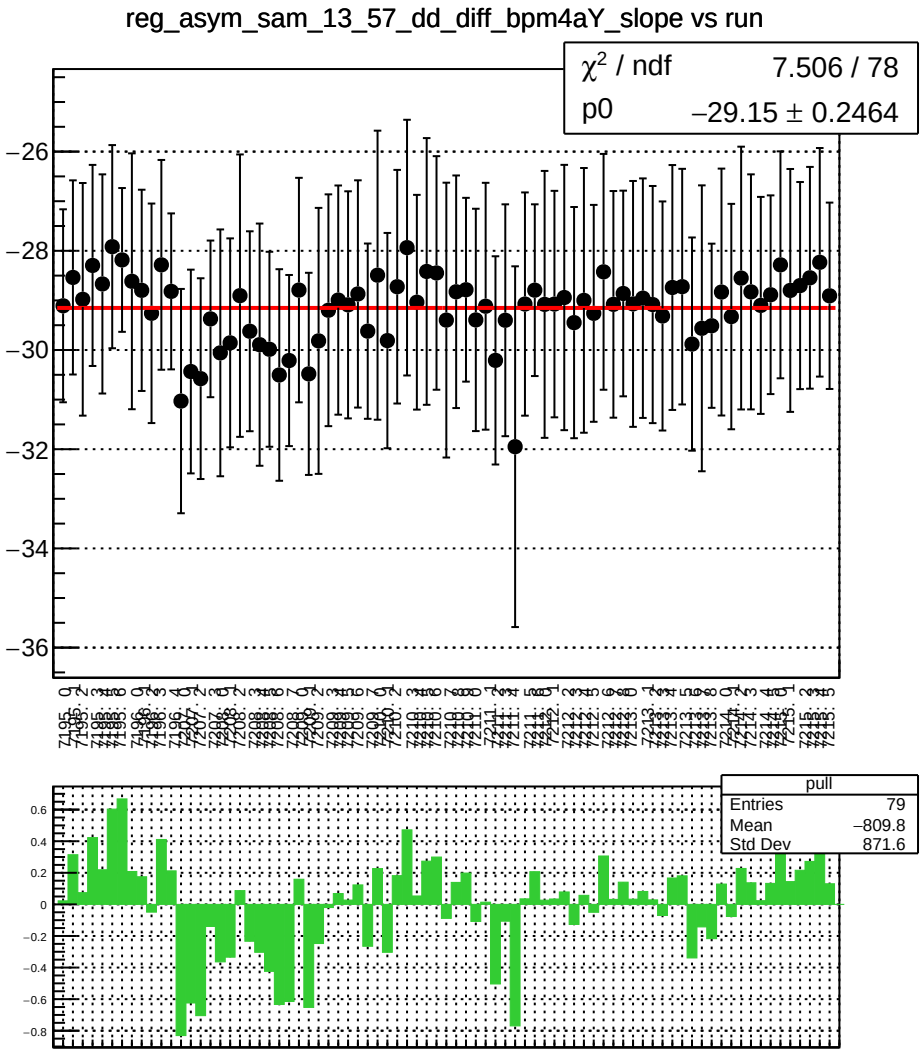

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 436.2 / 78
p0 −26.49 ± 0.8102
pull
Entries 79
Mean 105.7
Std Dev 55.66
pull1D
Entries 79
Mean −0.3509
Std Dev 2.105

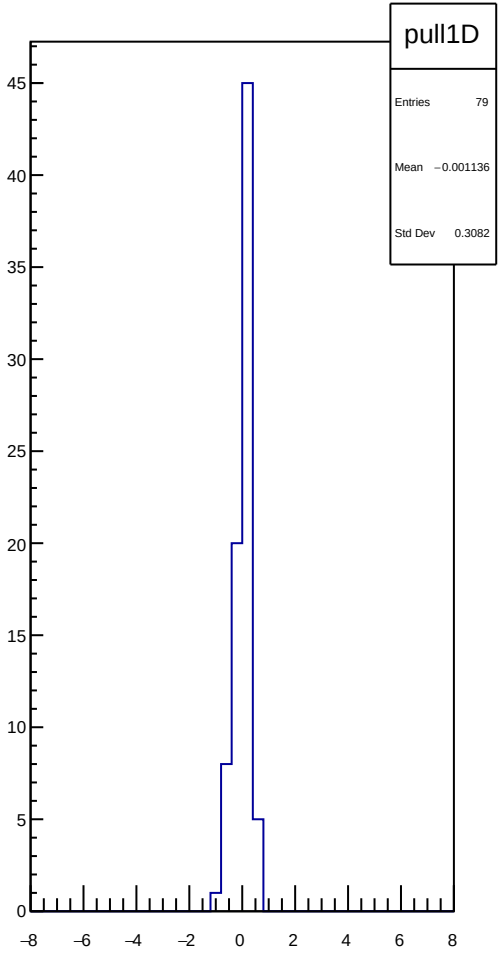

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 103.2 / 78
p0 64.03 ± 0.6811
pull
Entries 79
Mean 395.9
Std Dev 348.9
pull1D
Entries 79
Mean 0.02108
Std Dev 1.143

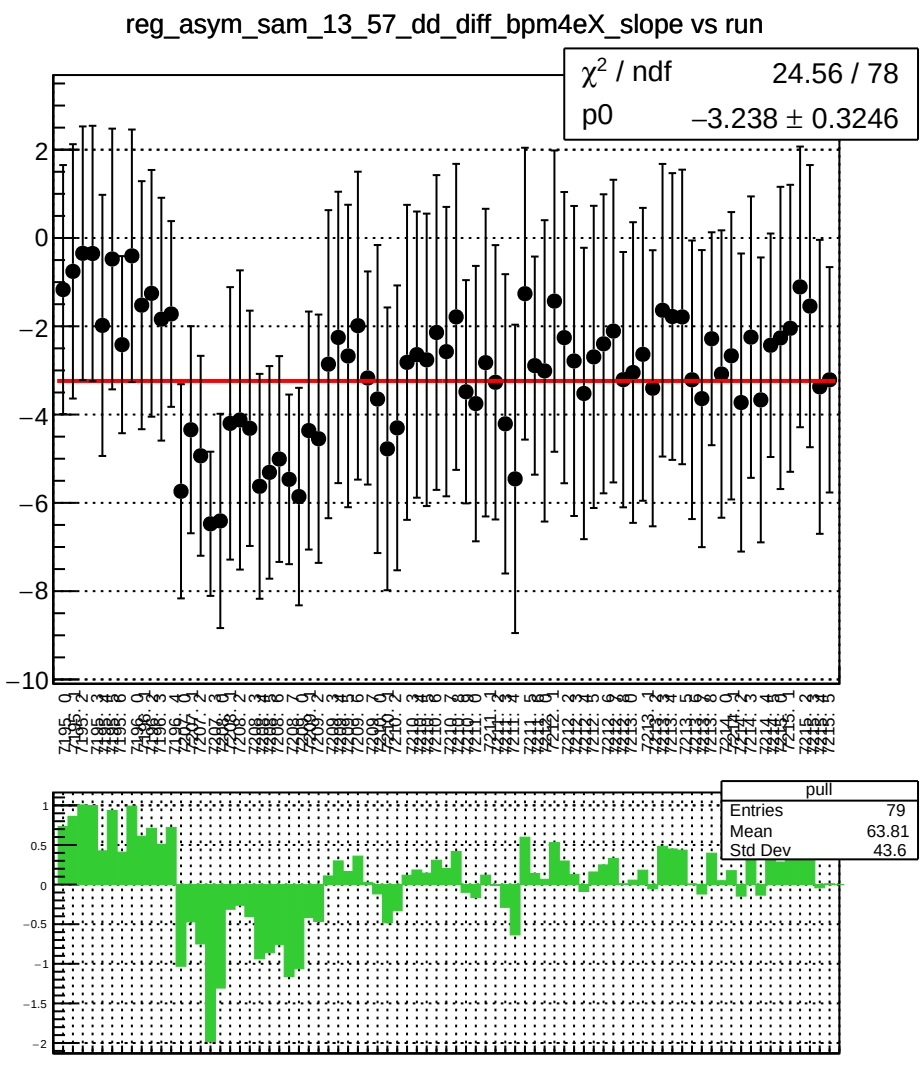

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 96.46 / 78
p0 −0.5017 ± 0.02848
pull
Entries 79
Mean 269
Std Dev 241.9
pull1D
Entries 79
Mean −0.04201
Std Dev 1.104

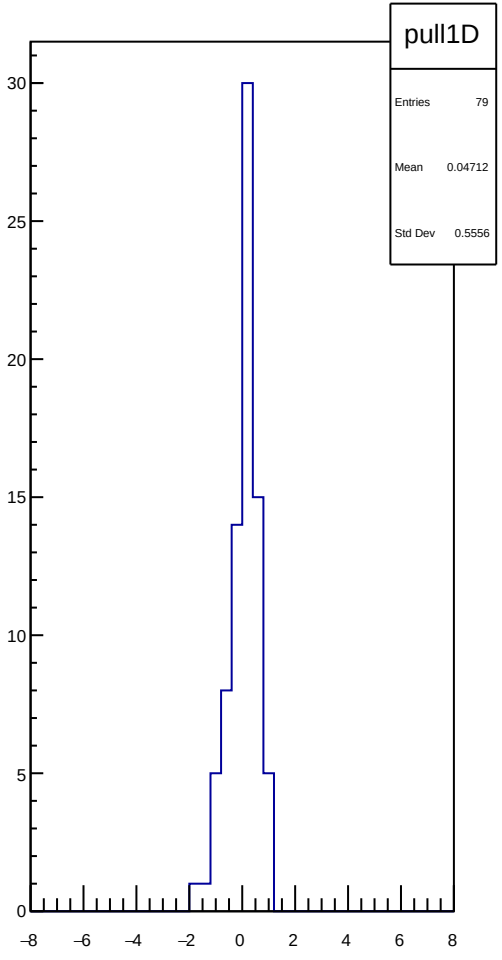

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 17.03 / 78
p0 −10.95 ± 0.3225
pull
Entries 79
Mean 29.22
Std Dev 58.62

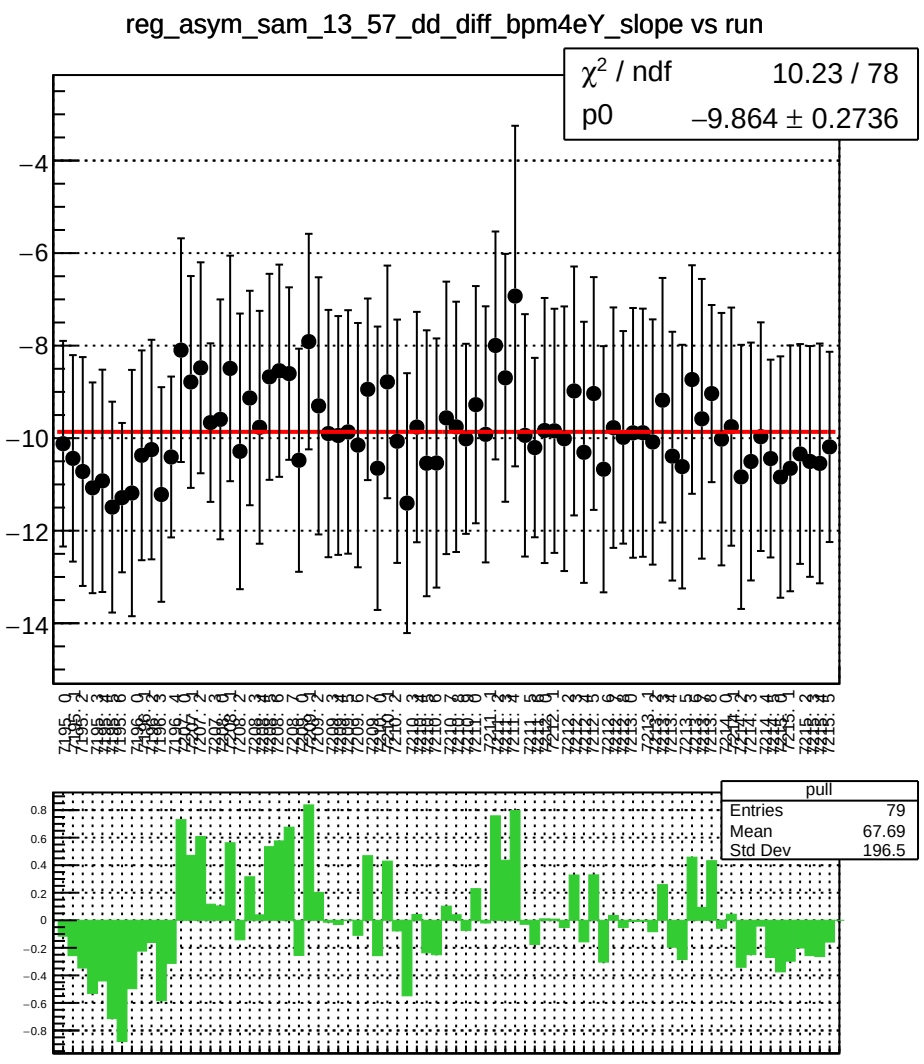

pull1D
Entries 79
Mean −0.02991
Std Dev 0.4633

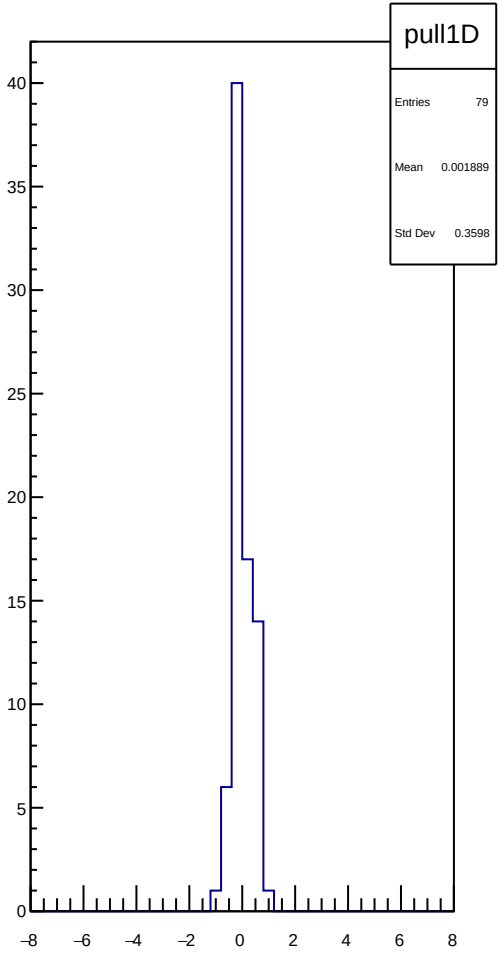

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.506 / 78
p0 −29.15 ± 0.2464
pull
Entries 79
Mean −809.8
Std Dev 871.6

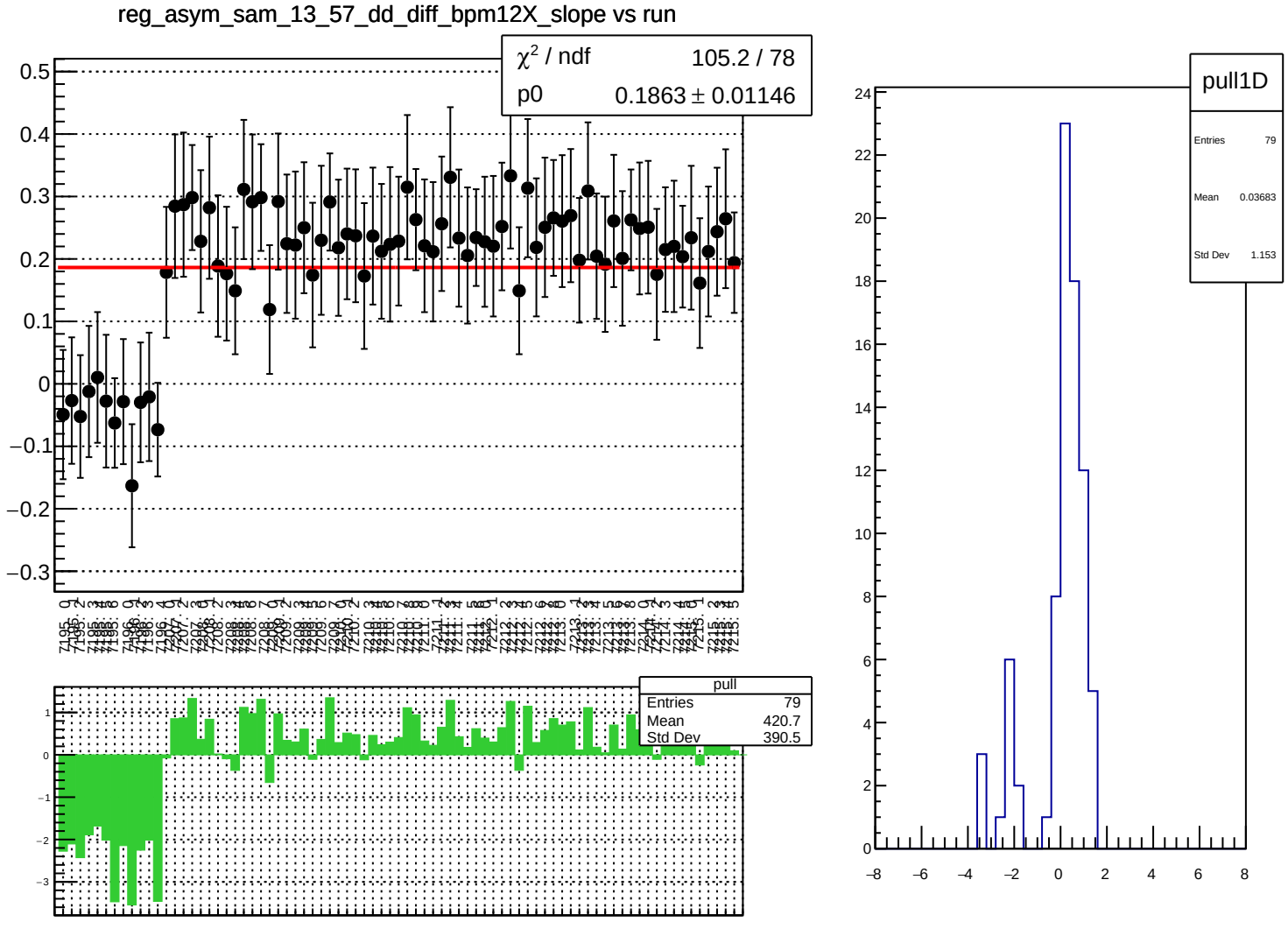

pull1D
Entries 79
Mean −0.001136
Std Dev 0.3082

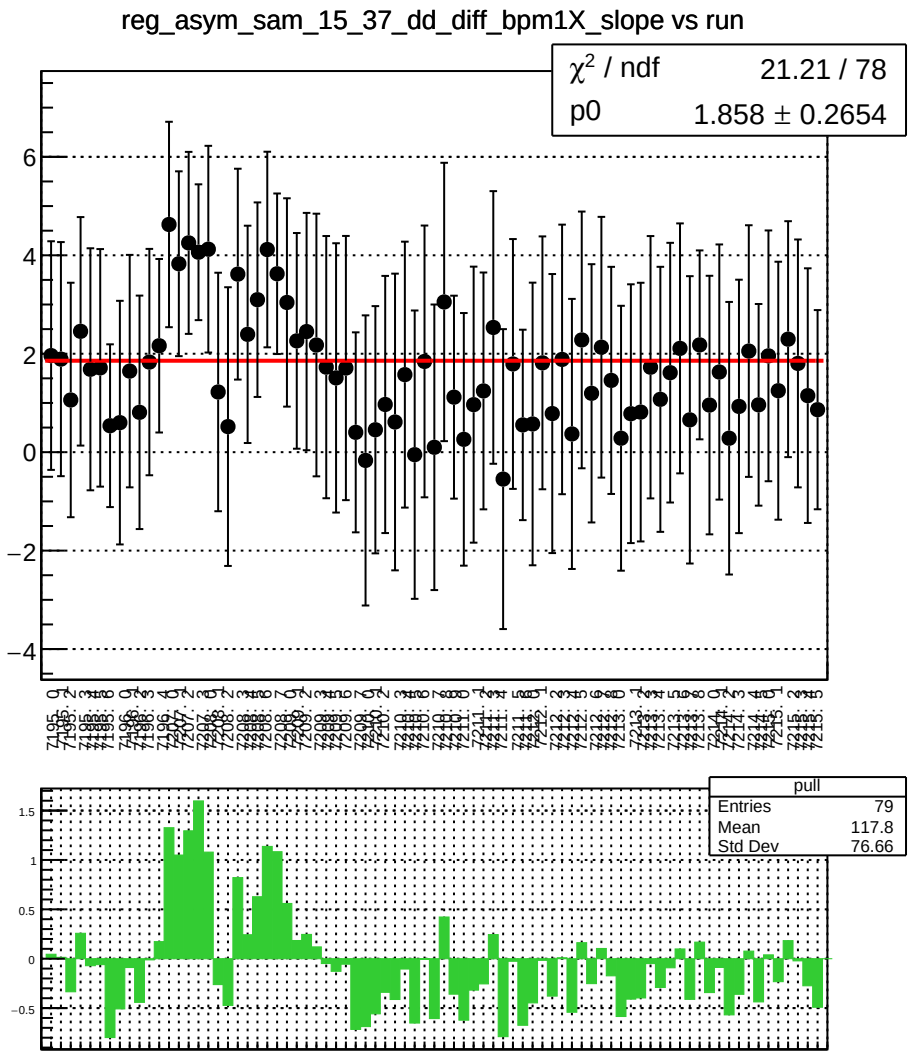

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 24.56 / 78
p0 −3.238 ± 0.3246
pull
Entries 79
Mean 63.81
Std Dev 43.6

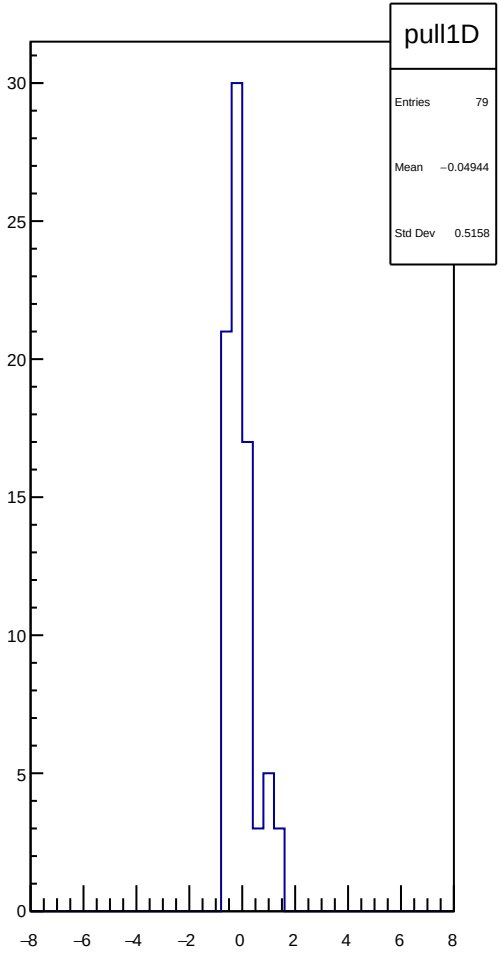

pull1D
Entries 79
Mean 0.04712
Std Dev 0.5556

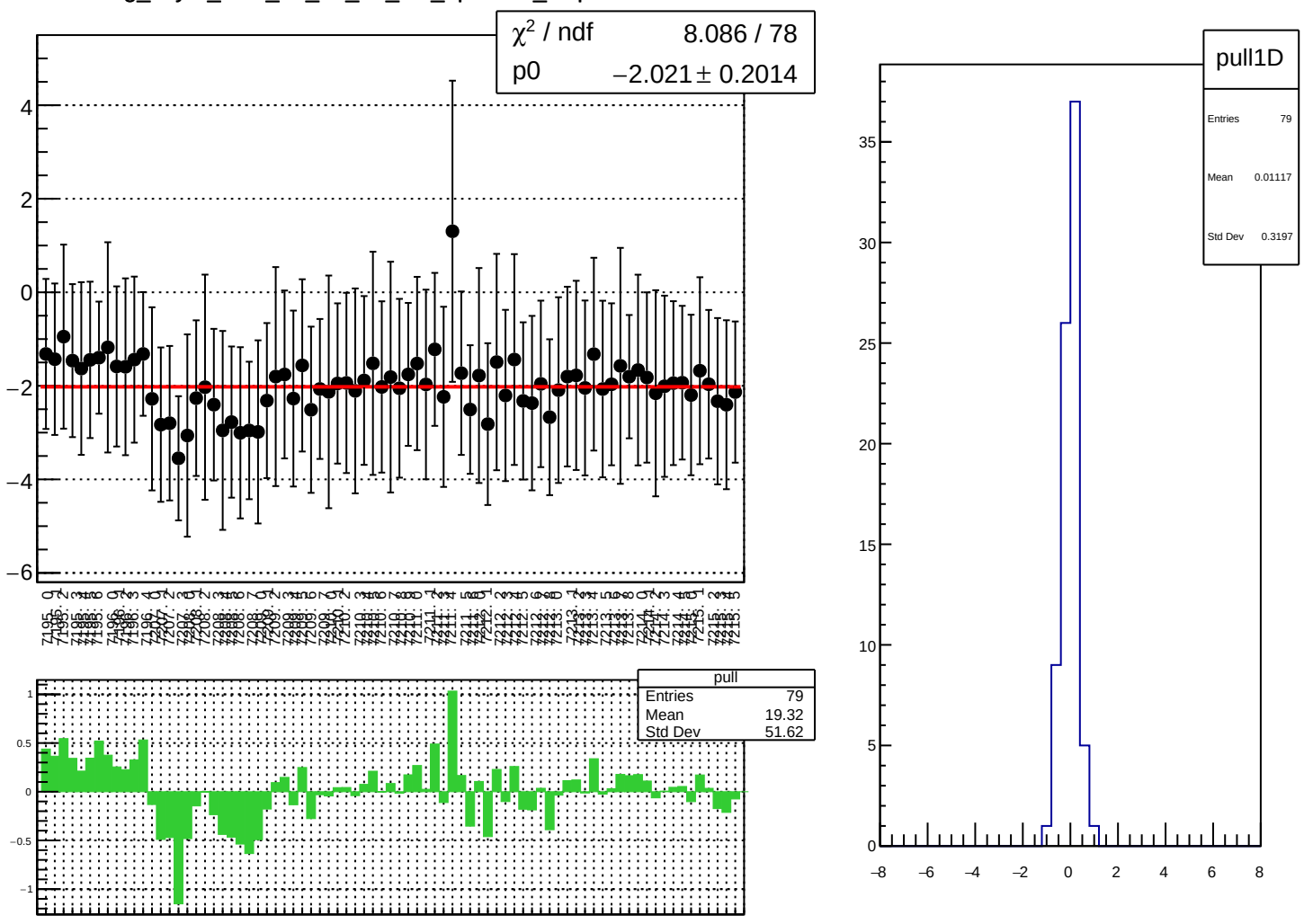

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.23 / 78
p0 −9.864 ± 0.2736
pull
Entries 79
Mean 67.69
Std Dev 196.5

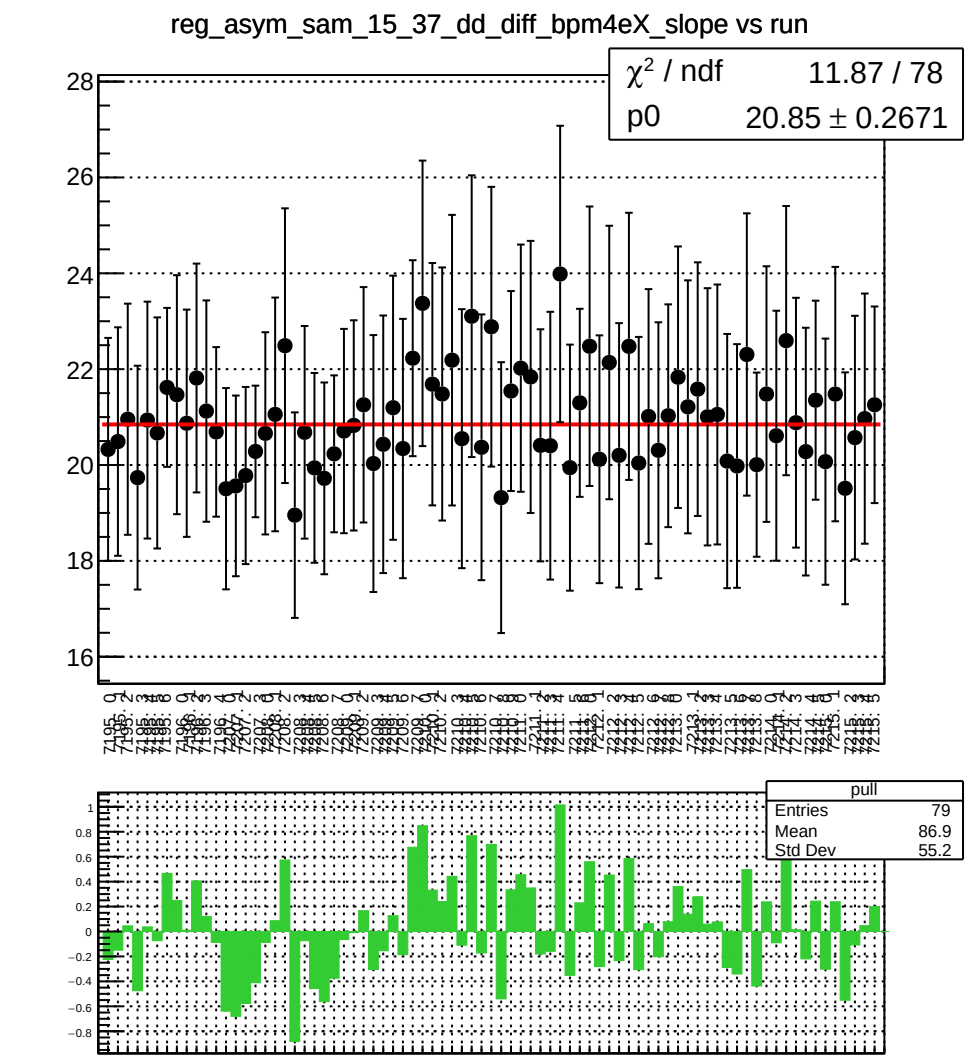

pull1D
Entries 79
Mean 0.001889
Std Dev 0.3598

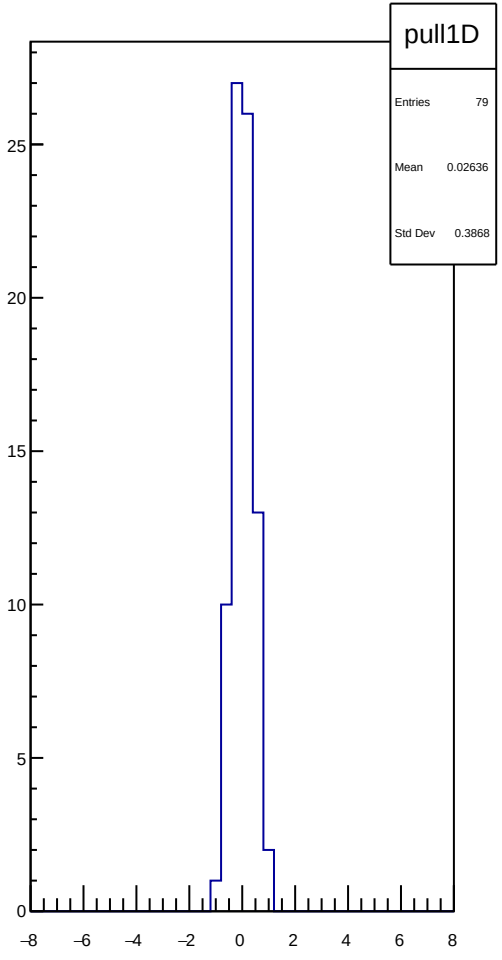

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 105.2 / 78
p0 0.1863 ± 0.01146
pull
Entries 79
Mean 420.7
Std Dev 390.5
pull1D
Entries 79
Mean 0.03683
Std Dev 1.153

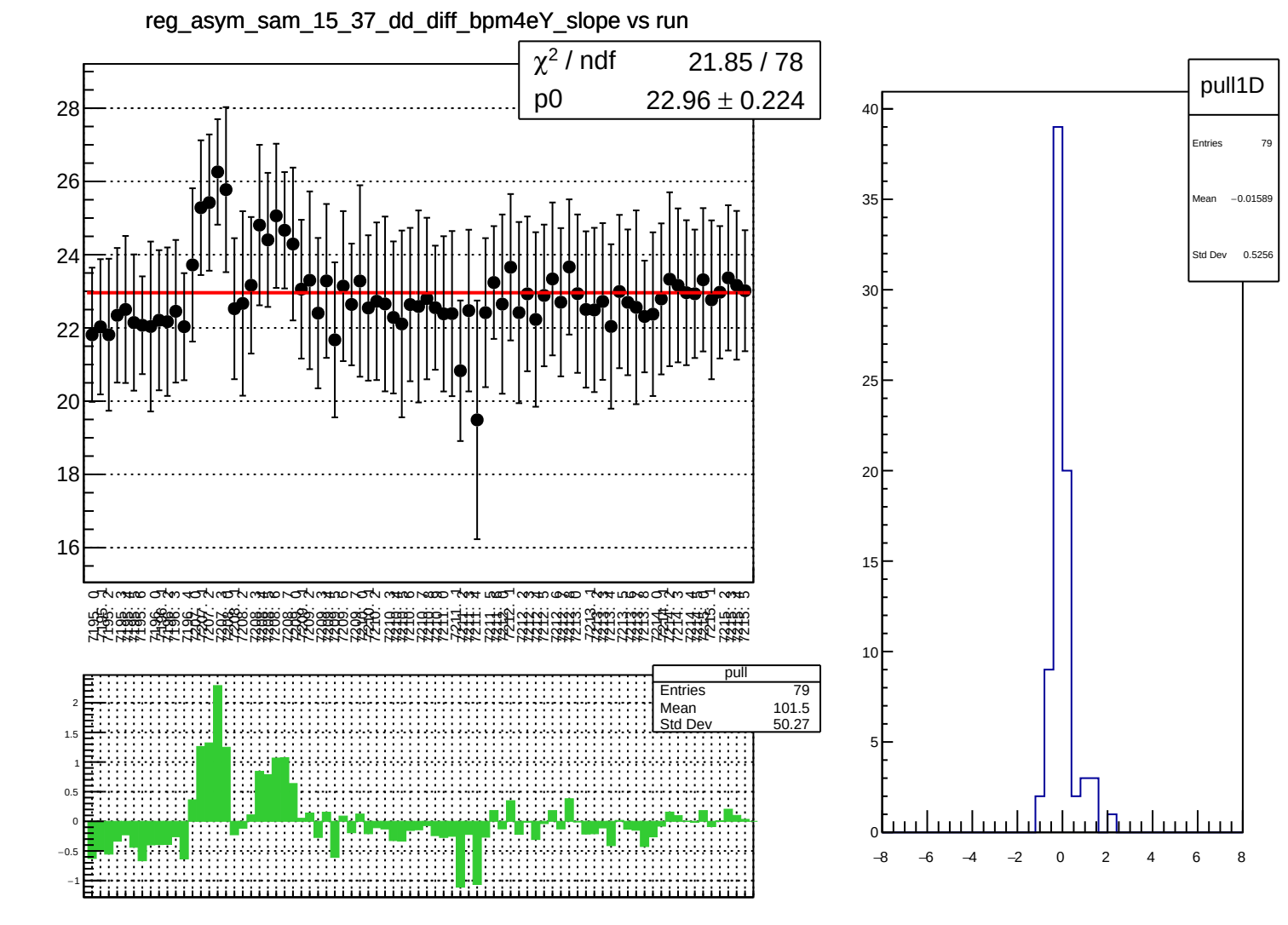

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 21.21 / 78
p0 1.858 ± 0.2654
pull
Entries 79
Mean 117.8
Std Dev 76.66

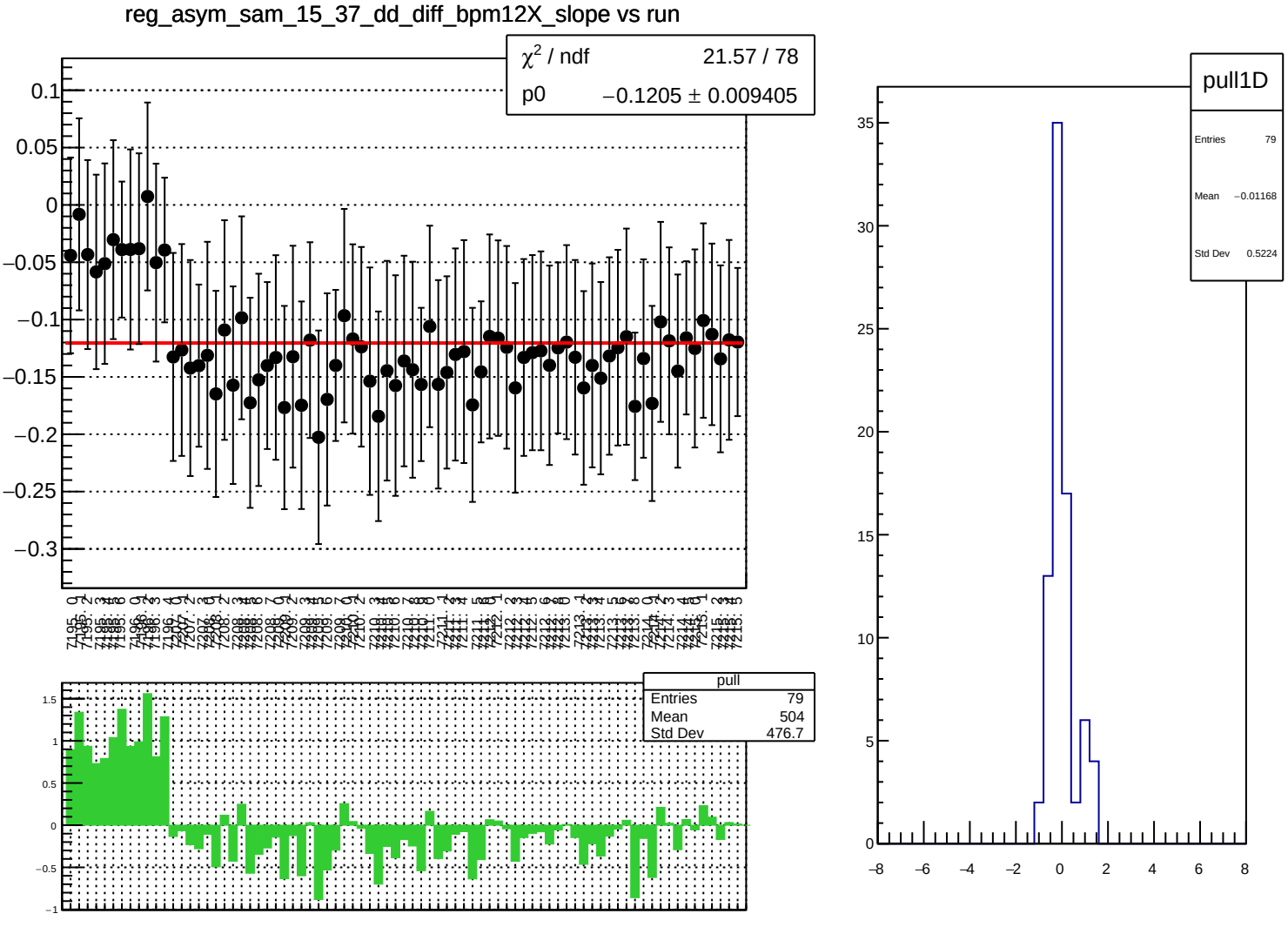

pull1D
Entries 79
Mean −0.04944
Std Dev 0.5158

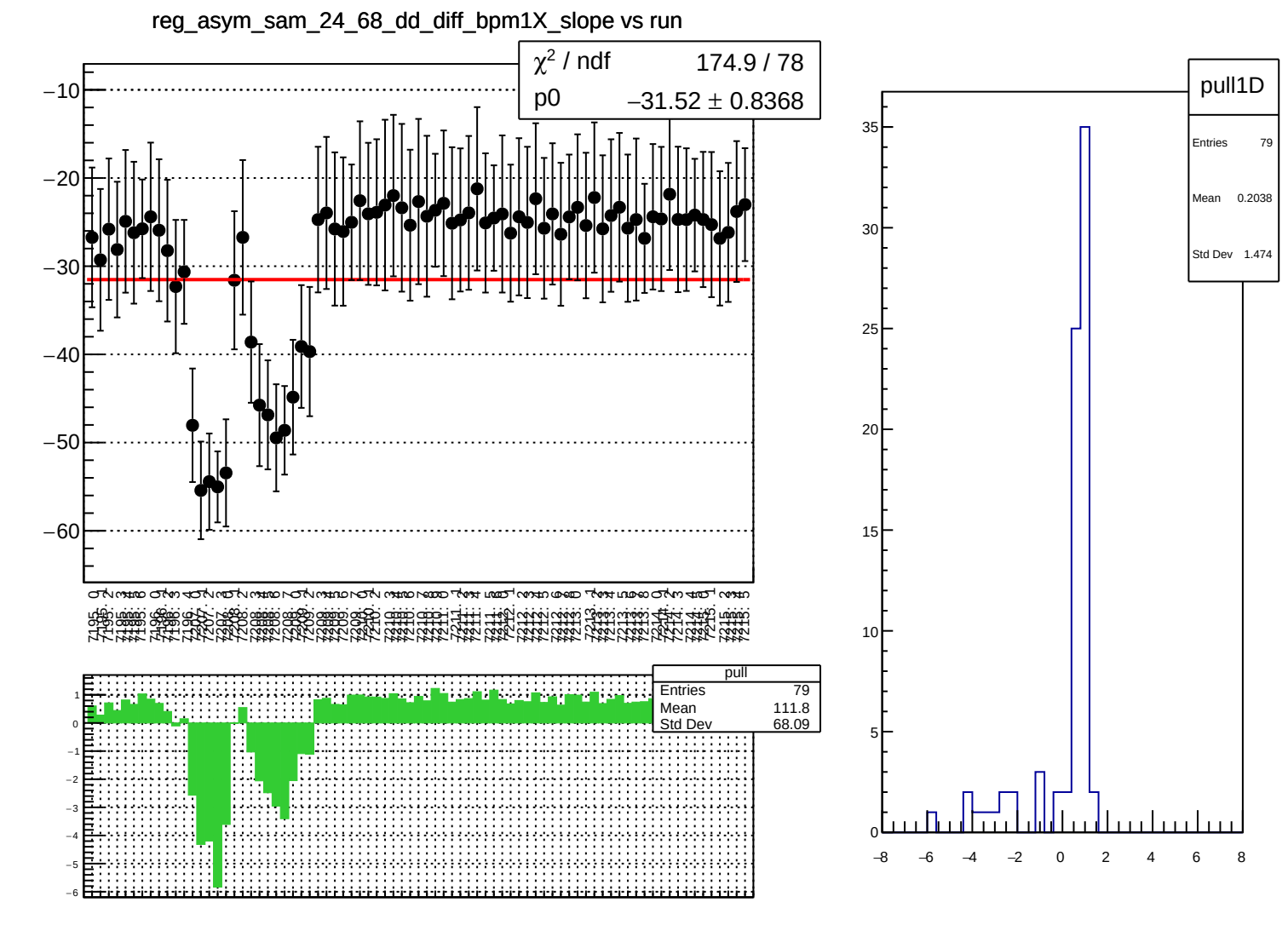

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.086 / 78
p0 −2.021 ± 0.2014
pull
Entries 79
Mean 19.32
Std Dev 51.62
pull1D
Entries 79
Mean 0.01117
Std Dev 0.3197

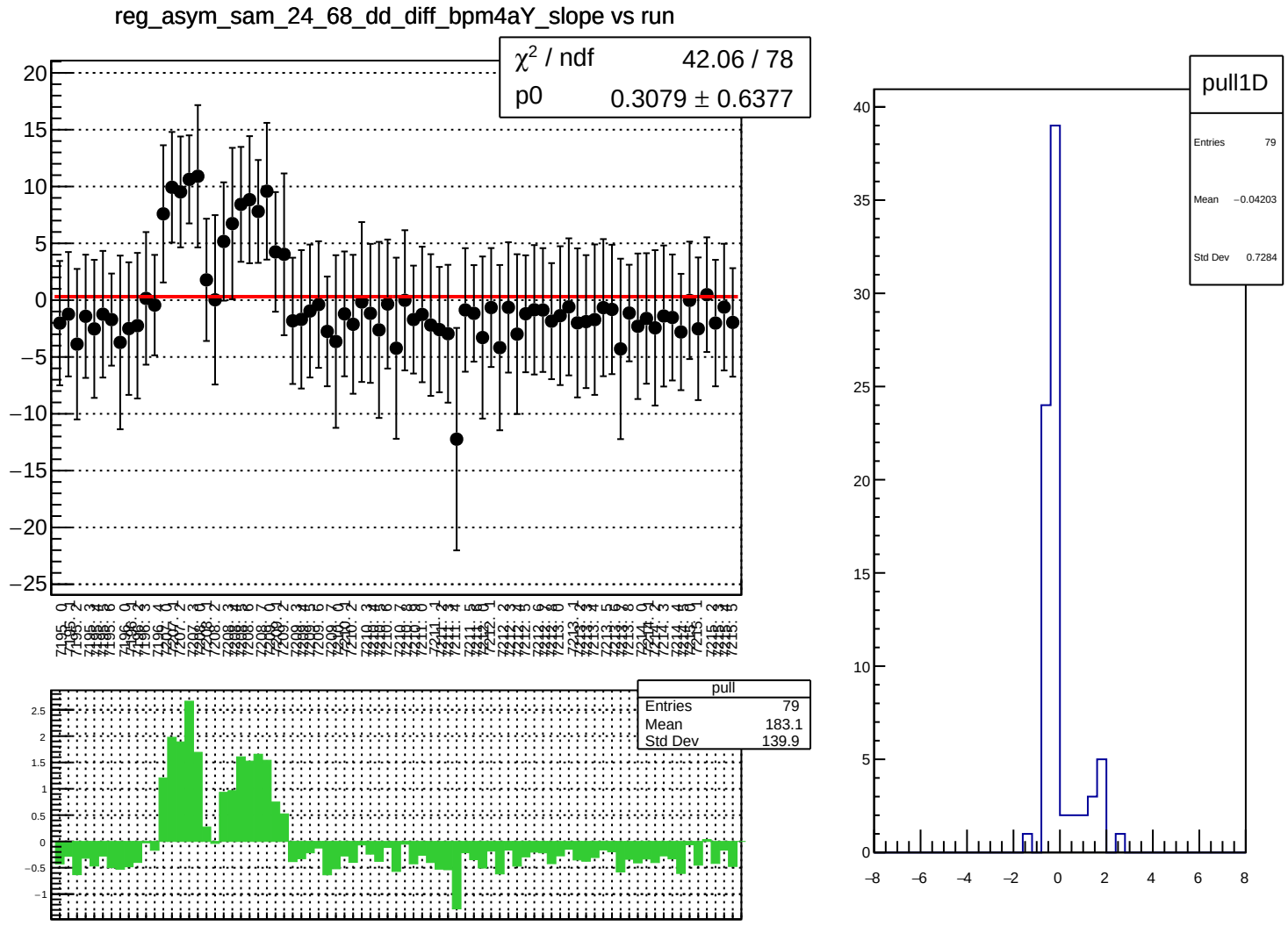

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 11.87 / 78
p0 20.85 ± 0.2671
pull
Entries 79
Mean 86.9
Std Dev 55.2

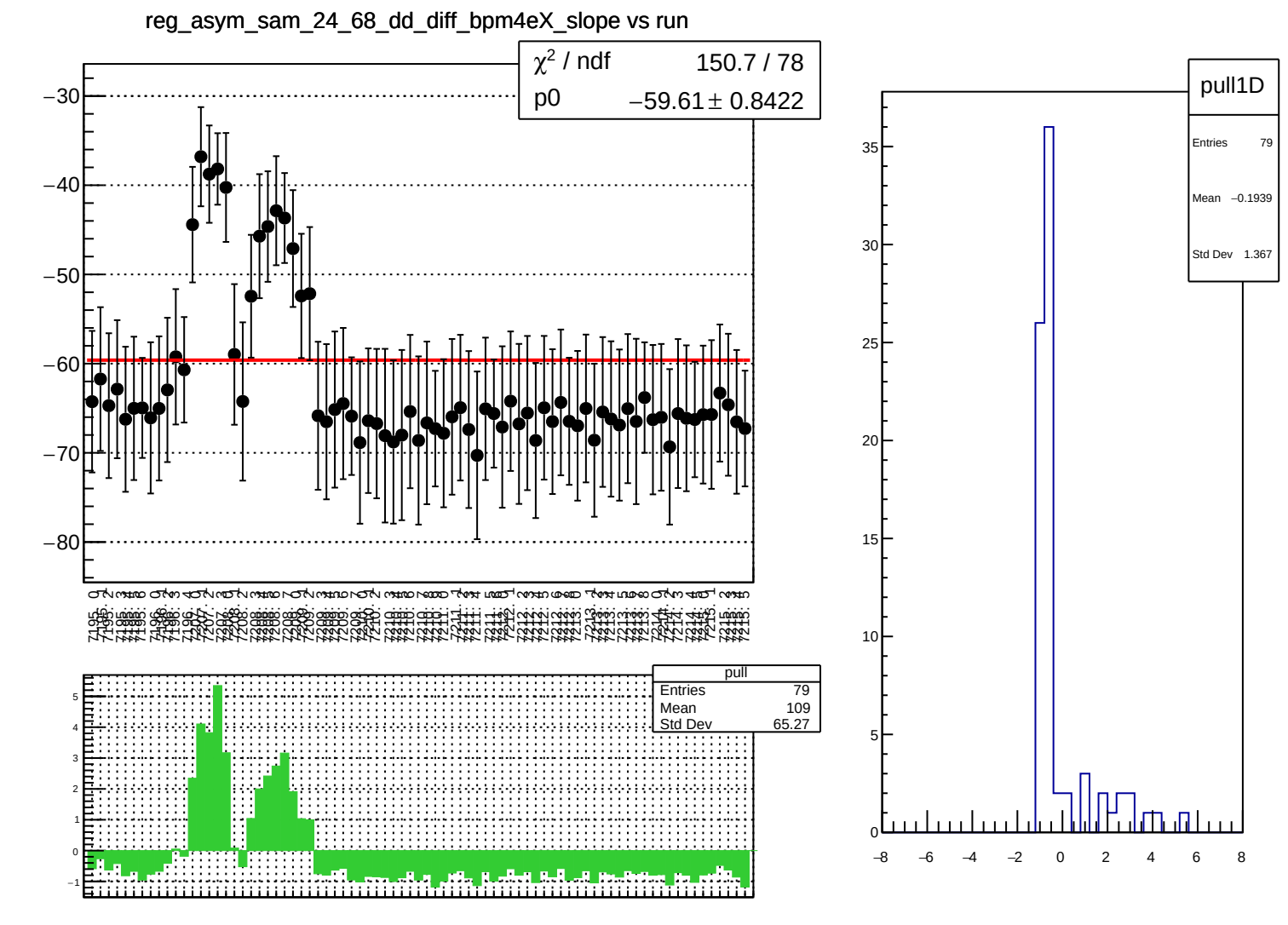

pull1D
Entries 79
Mean 0.02636
Std Dev 0.3868

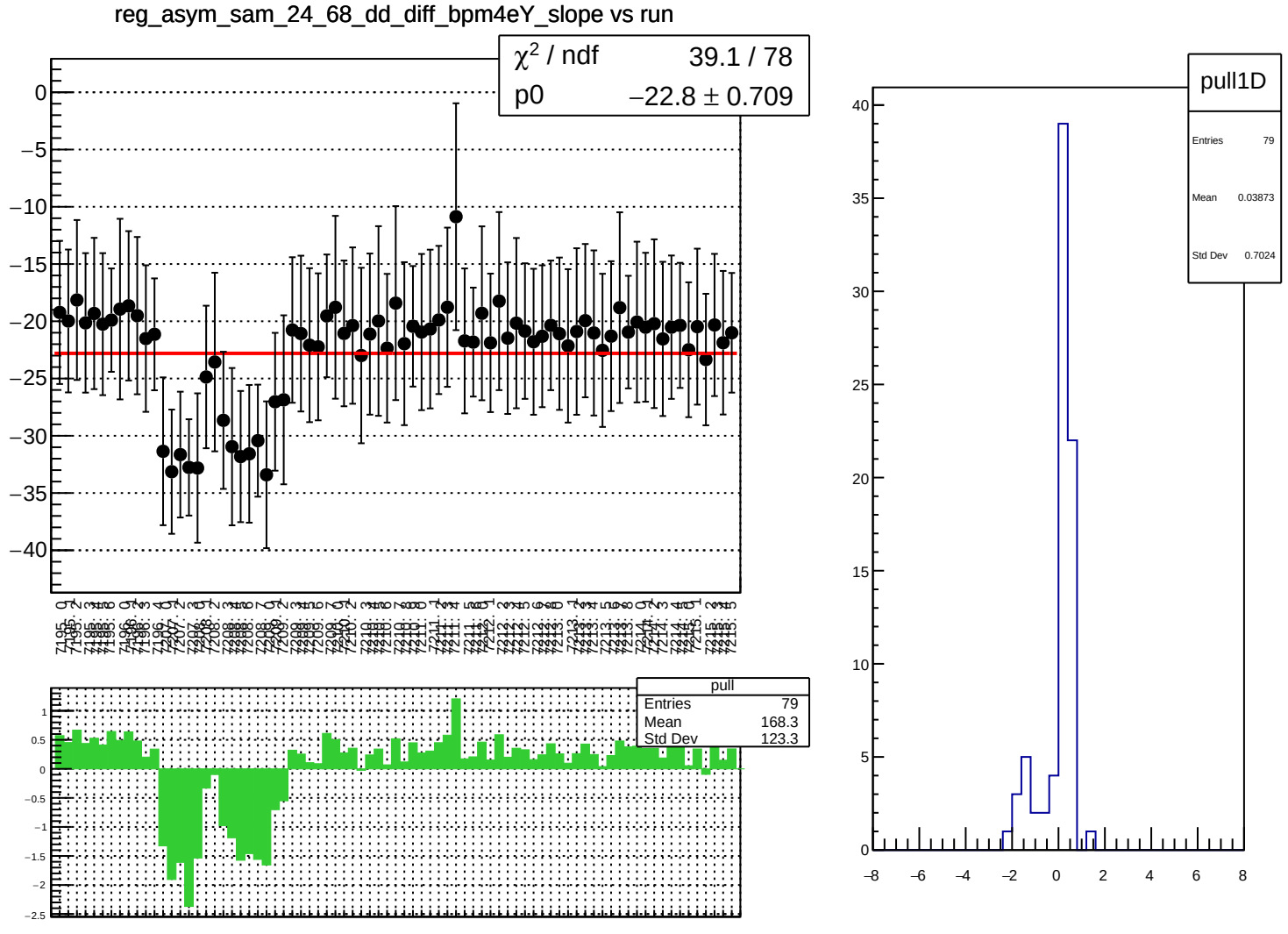

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 21.85 / 78
p0 22.96 ± 0.224
pull
Entries 79
Mean 101.5
Std Dev 50.27
pull1D
Entries 79
Mean −0.01589
Std Dev 0.5256

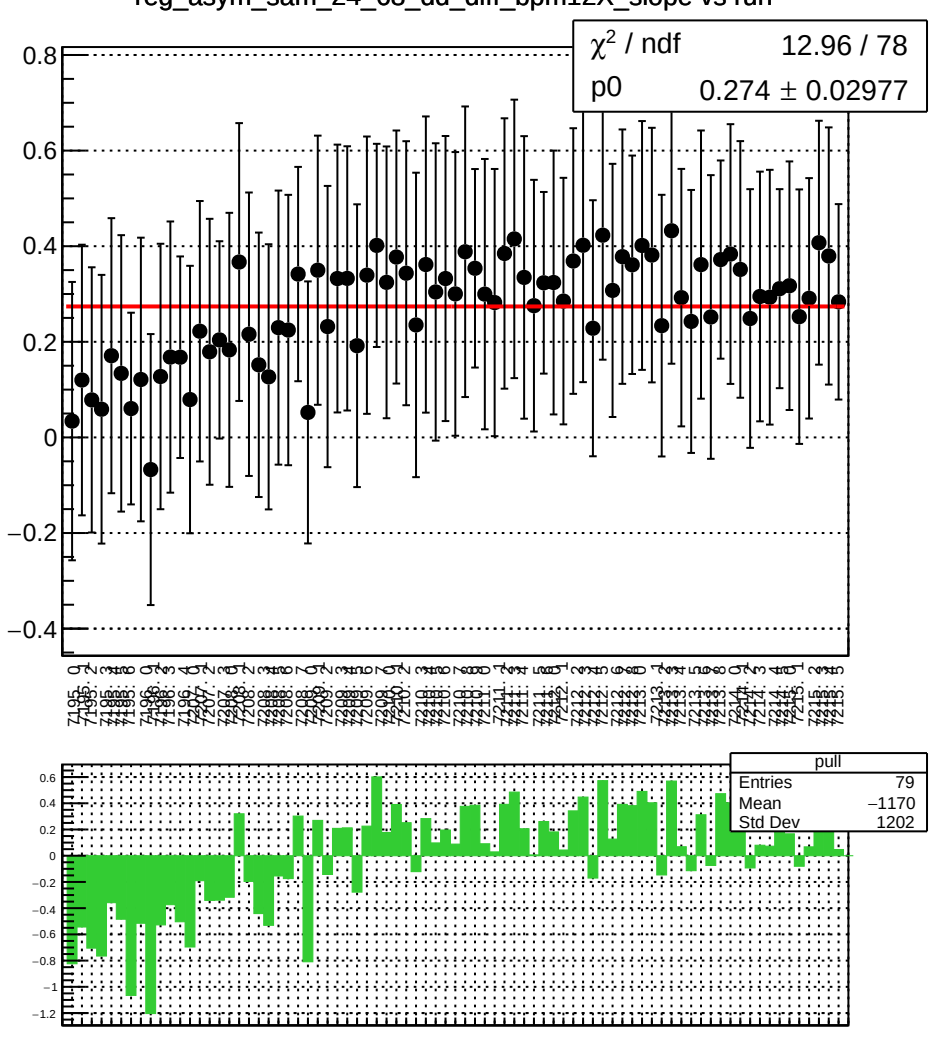

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 21.57 / 78
p0 −0.1205 ± 0.009405
pull
Entries 79
Mean 504
Std Dev 476.7
pull1D
Entries 79
Mean −0.01168
Std Dev 0.5224

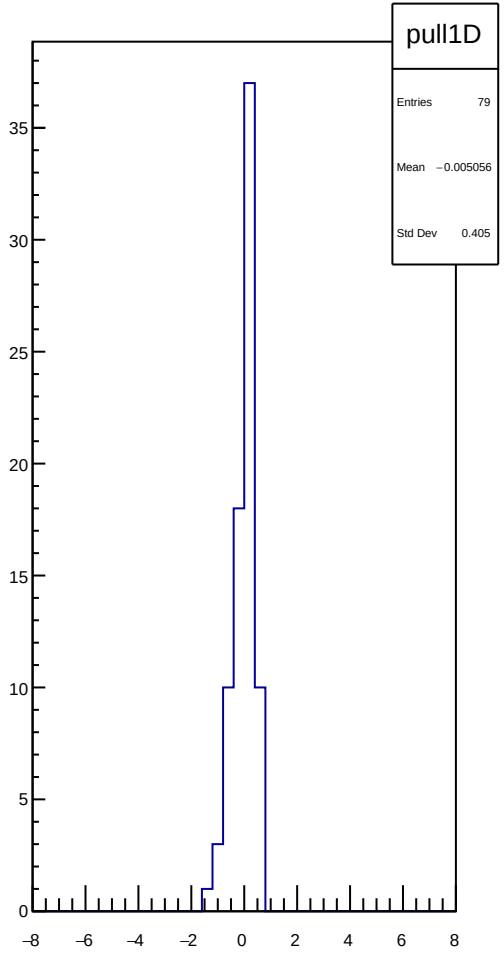

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 174.9 / 78
p0 −31.52 ± 0.8368
pull
Entries 79
Mean 111.8
Std Dev 68.09
pull1D
Entries 79
Mean 0.2038
Std Dev 1.474

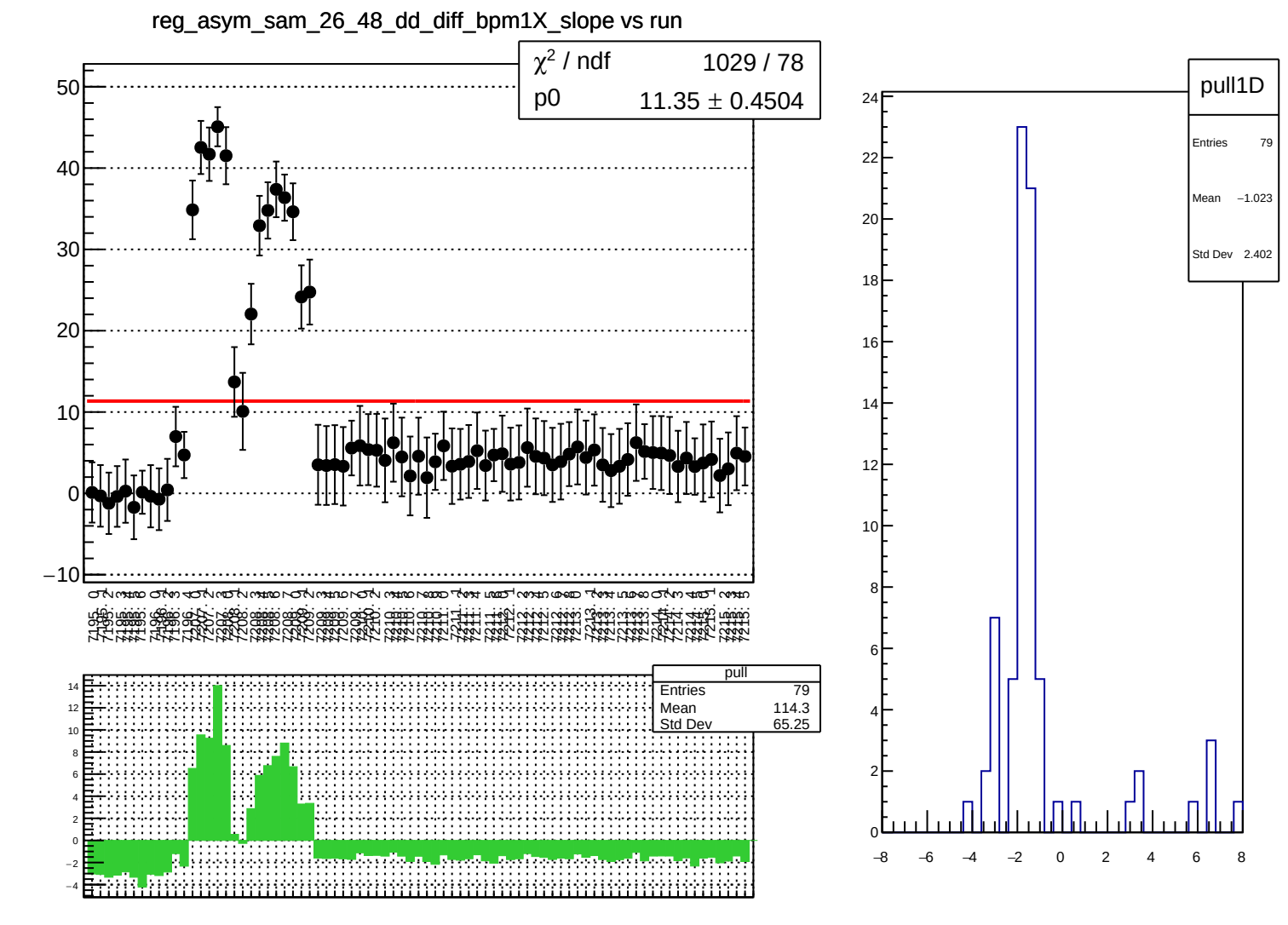

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 42.06 / 78
p0 0.3079 ± 0.6377
pull
Entries 79
Mean 183.1
Std Dev 139.9
pull1D
Entries 79
Mean −0.04203
Std Dev 0.7284

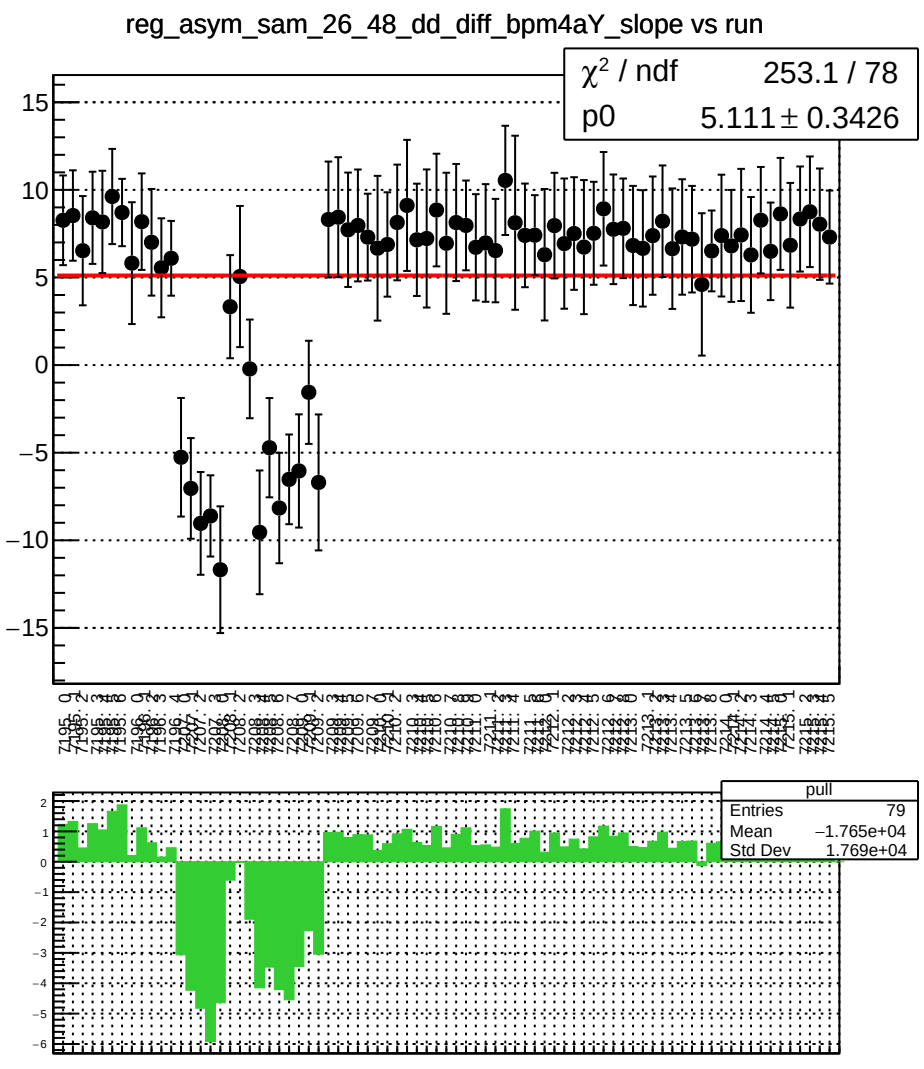

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 150.7 / 78
p0 −59.61 ± 0.8422
pull
Entries 79
Mean 109
Std Dev 65.27
pull1D
Entries 79
Mean −0.1939
Std Dev 1.367

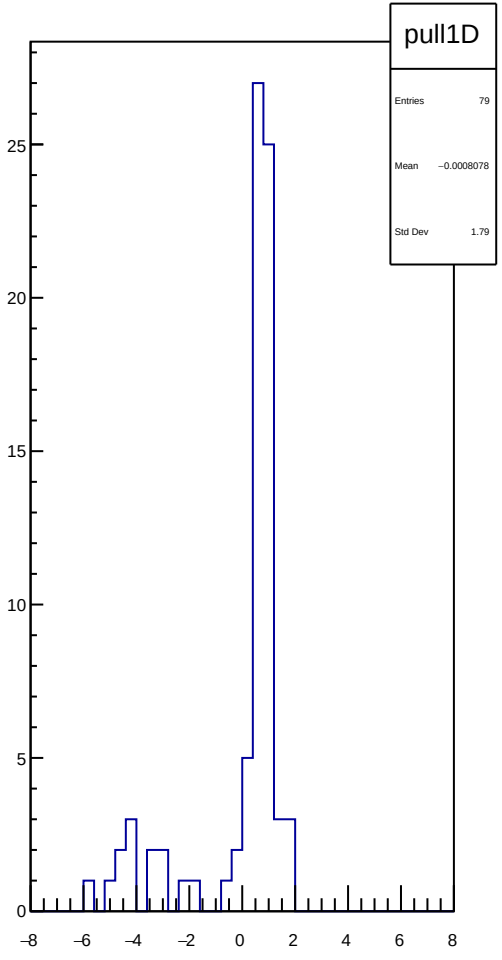

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 39.1 / 78
p0 −22.8 ± 0.709
pull
Entries 79
Mean 168.3
Std Dev 123.3
pull1D
Entries 79
Mean 0.03873
Std Dev 0.7024

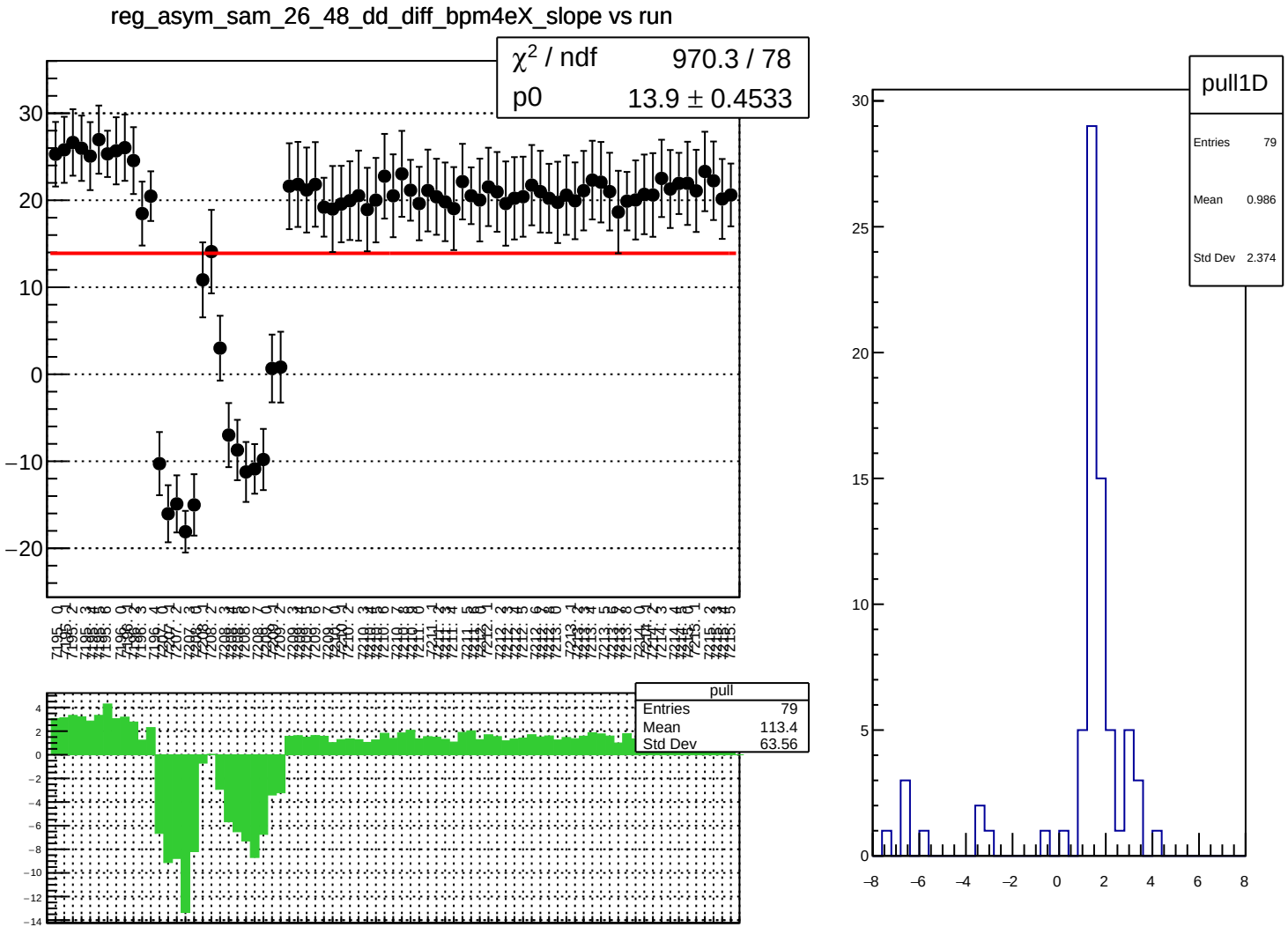

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 12.96 / 78
p0 0.274 ± 0.02977
pull
Entries 79
Mean −1170
Std Dev 1202

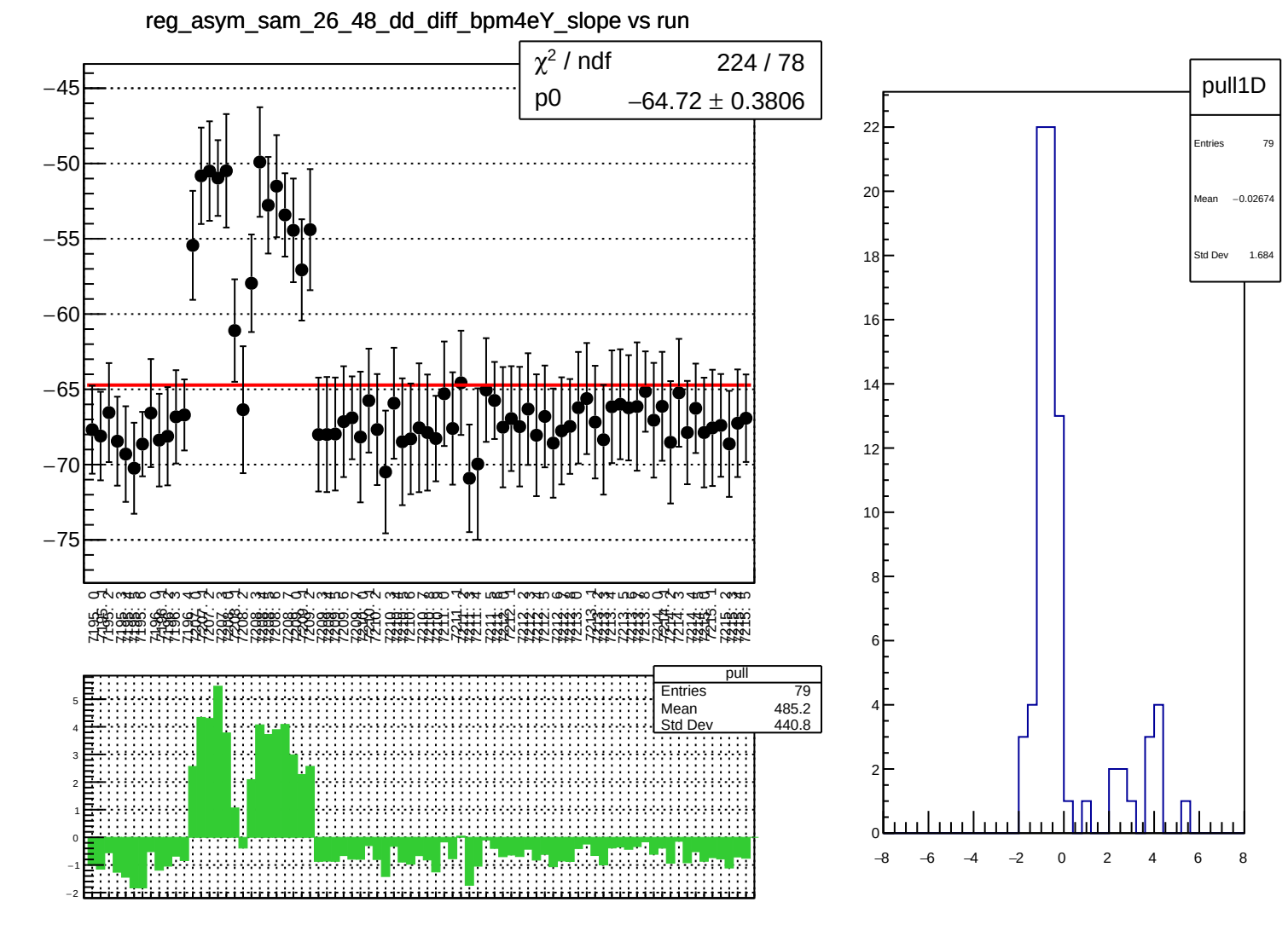

pull1D
Entries 79
Mean −0.005056
Std Dev 0.405

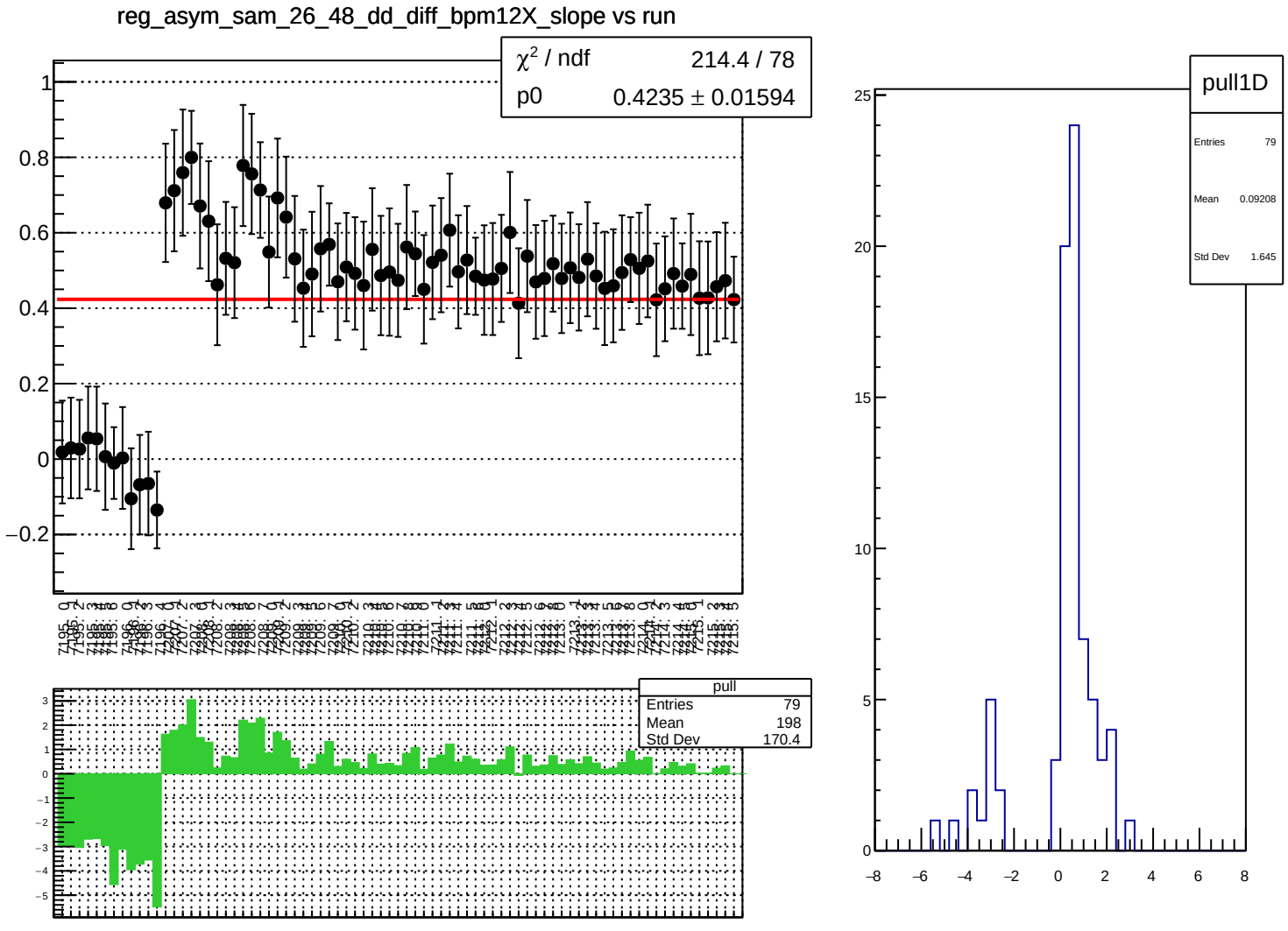

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 1029 / 78
p0 11.35 ± 0.4504
pull
Entries 79
Mean 114.3
Std Dev 65.25
pull1D
Entries 79
Mean −1.023
Std Dev 2.402

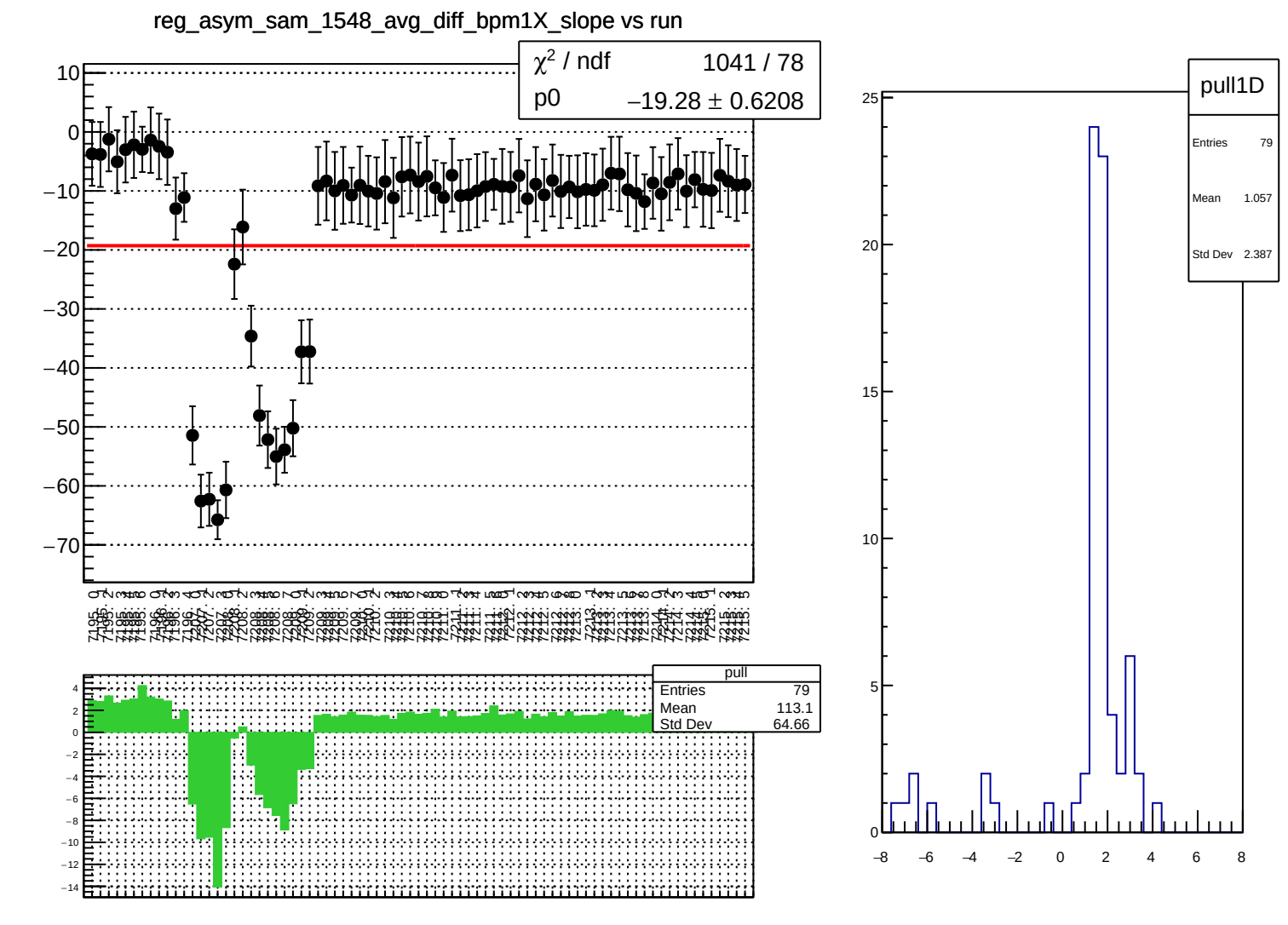

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 253.1 / 78
p0 5.111 ± 0.3426
pull
Entries 79
Mean −1.765e+04
Std Dev 1.769e+04

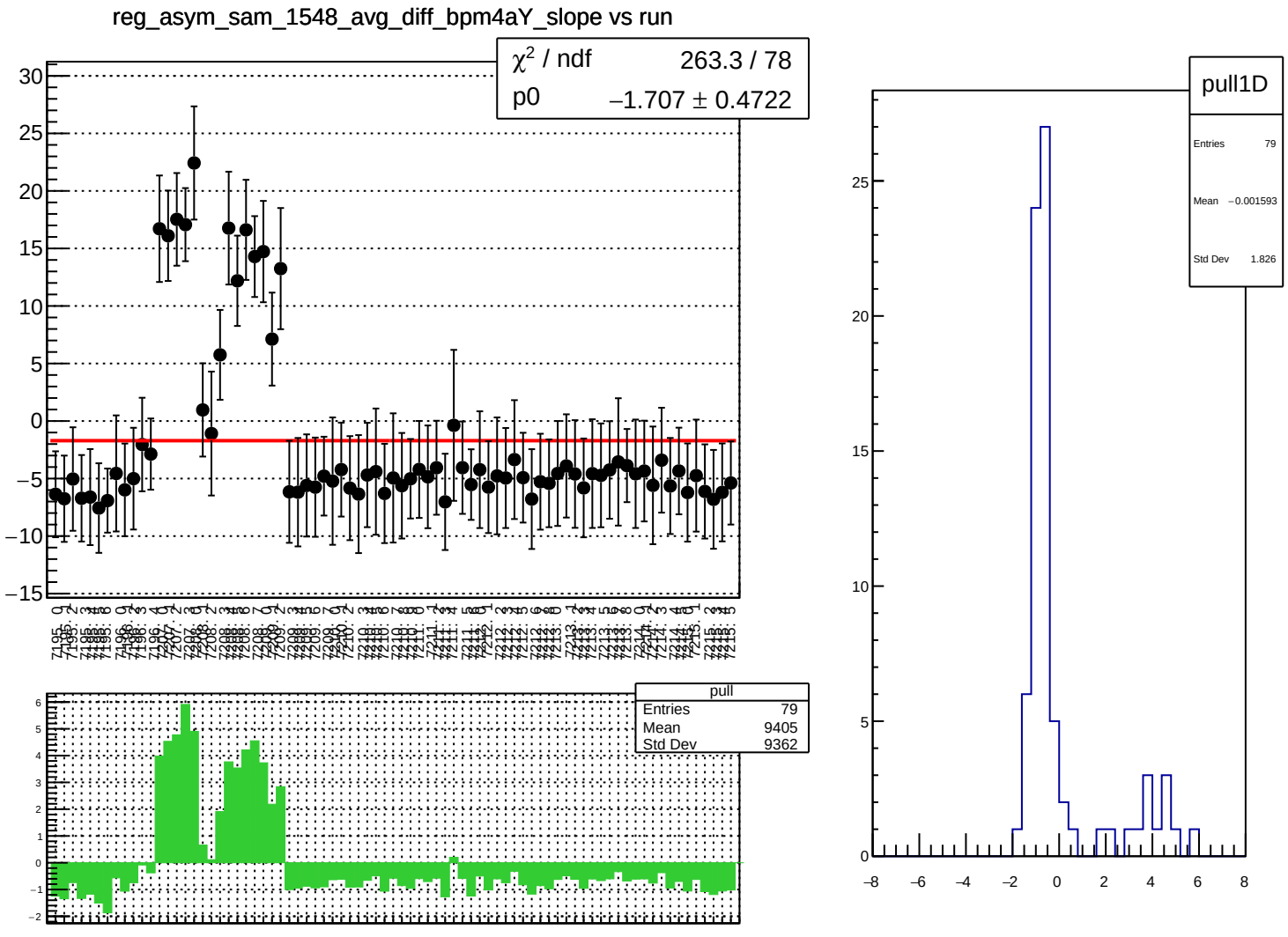

pull1D
Entries 79
Mean −0.0008078
Std Dev 1.79

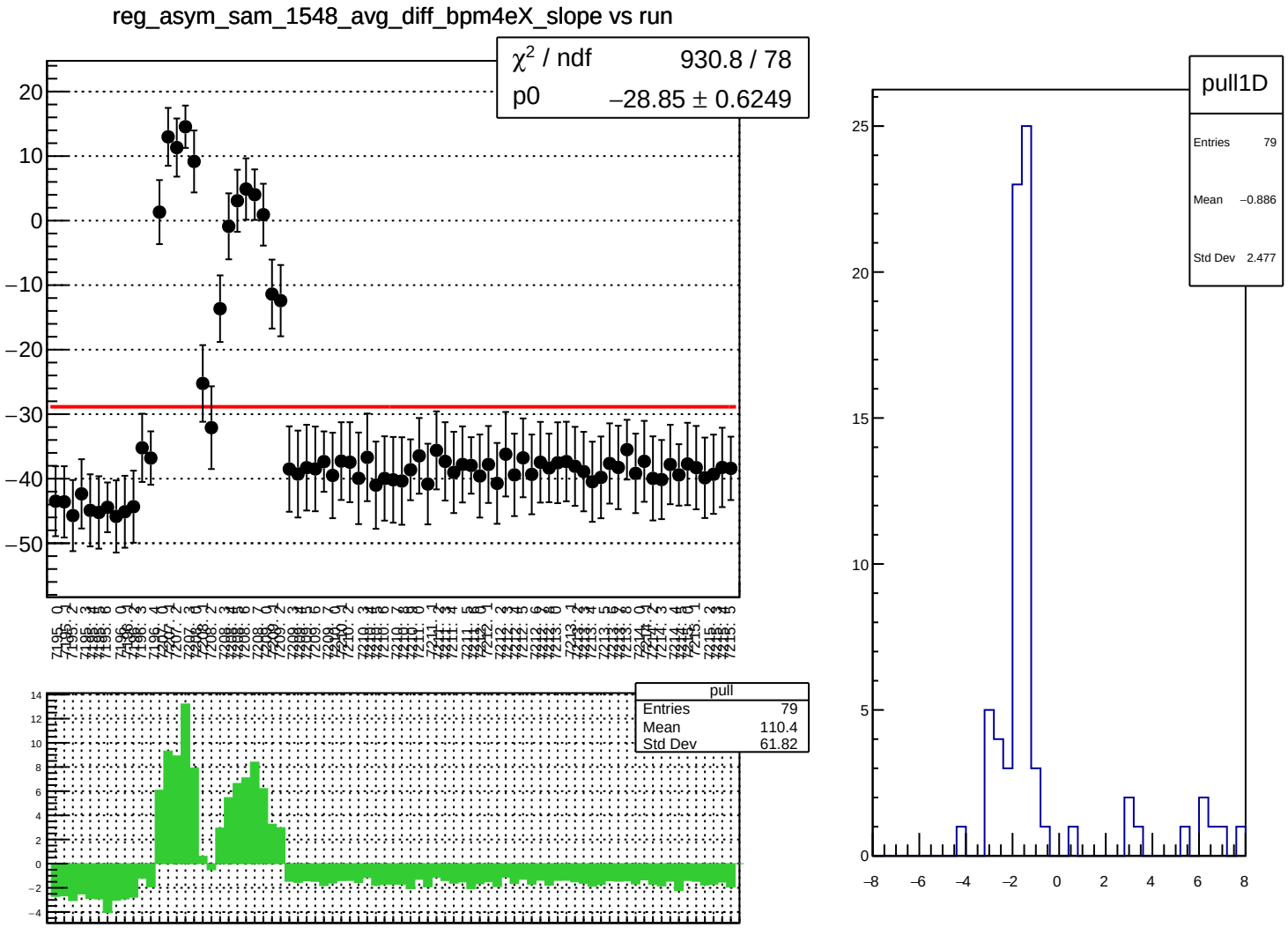

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 970.3 / 78
p0 13.9 ± 0.4533
pull
Entries 79
Mean 113.4
Std Dev 63.56
pull1D
Entries 79
Mean 0.986
Std Dev 2.374

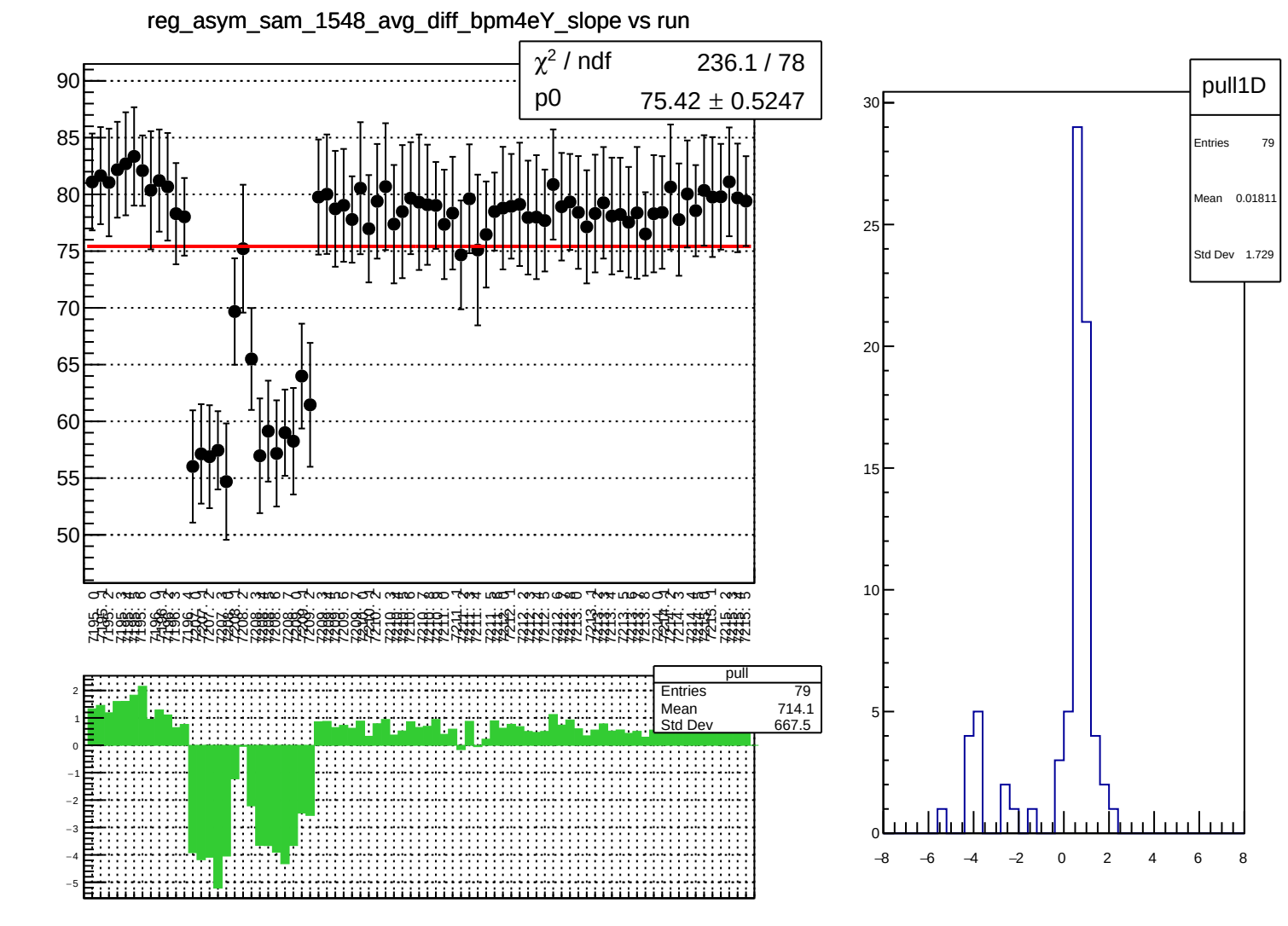

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 224 / 78
p0 −64.72 ± 0.3806
pull
Entries 79
Mean 485.2
Std Dev 440.8
pull1D
Entries 79
Mean −0.02674
Std Dev 1.684

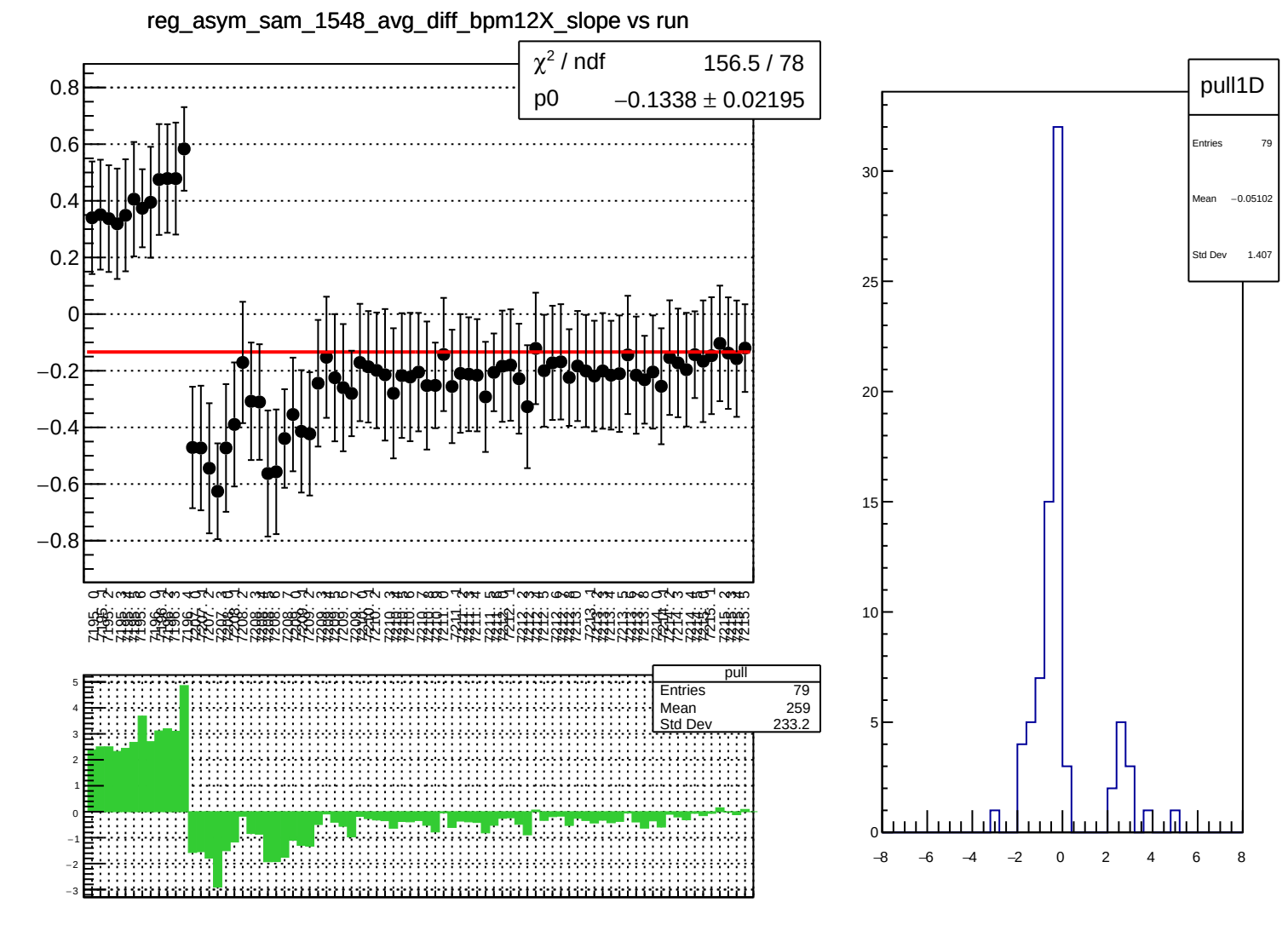

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 214.4 / 78
p0 0.4235 ± 0.01594
pull
Entries 79
Mean 198
Std Dev 170.4
pull1D
Entries 79
Mean 0.09208
Std Dev 1.645

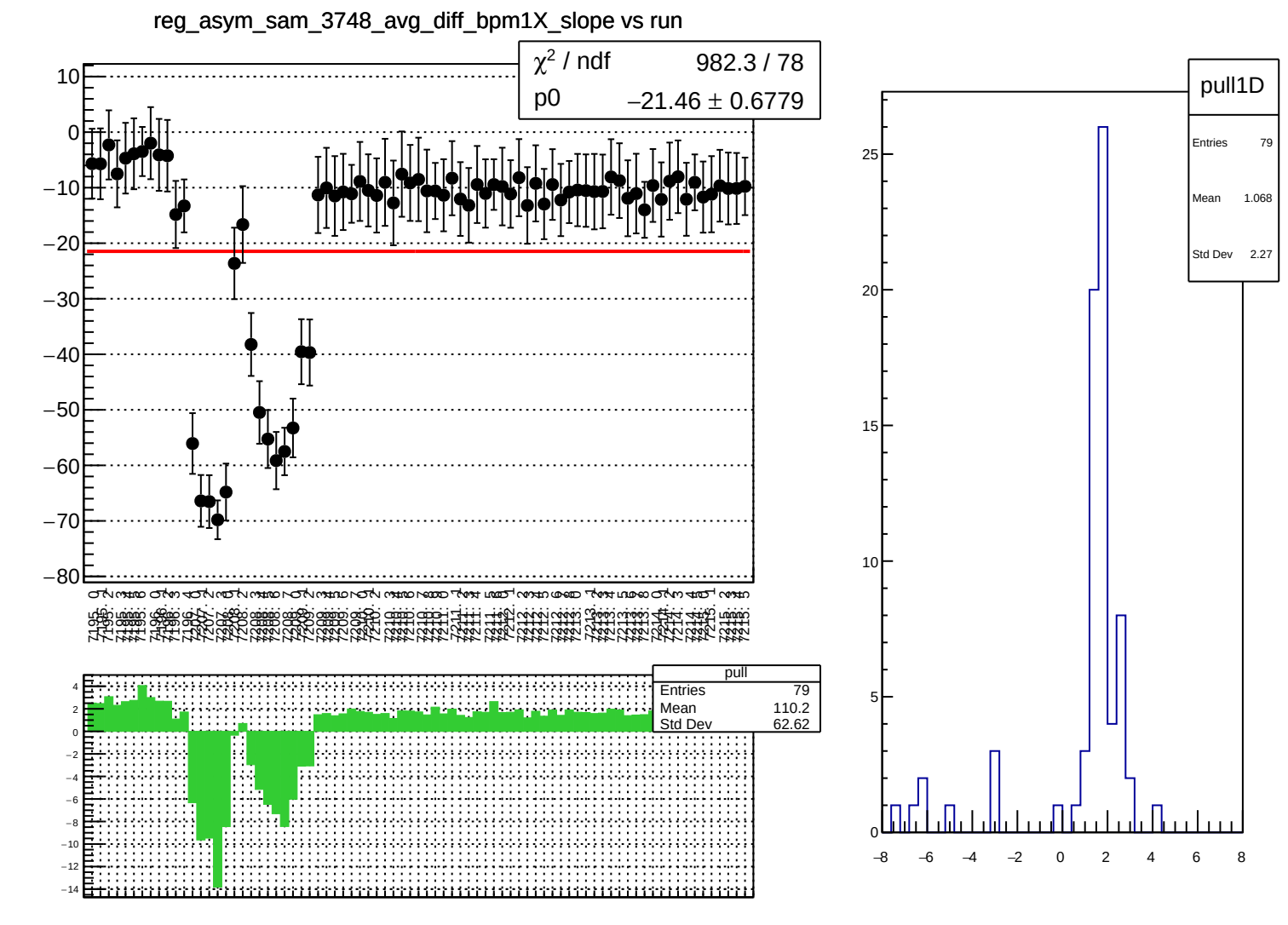

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 1041 / 78
p0 −19.28 ± 0.6208
pull
Entries 79
Mean 113.1
Std Dev 64.66
pull1D
Entries 79
Mean 1.057
Std Dev 2.387

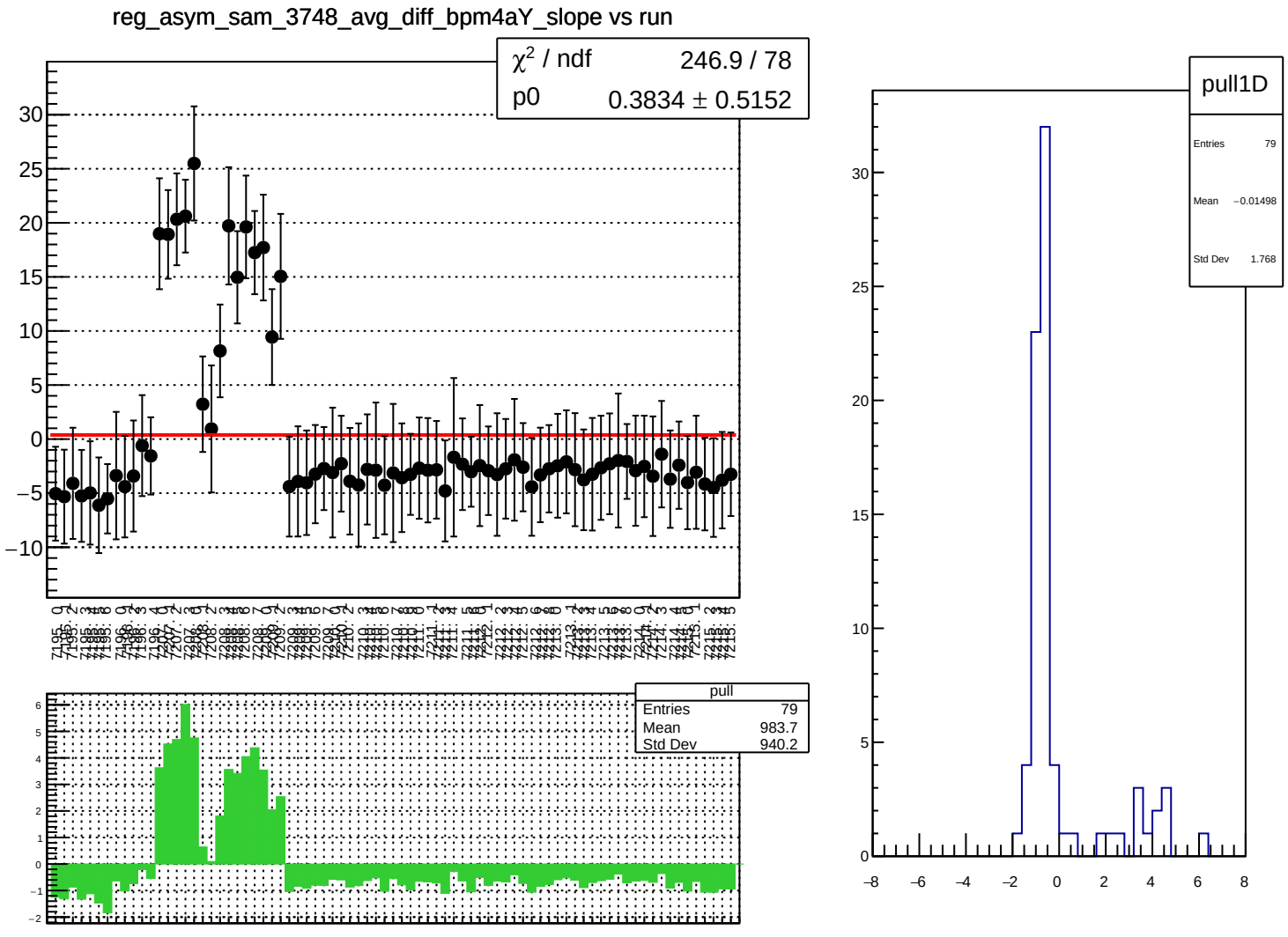

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 263.3 / 78
p0 −1.707 ± 0.4722
pull
Entries 79
Mean 9405
Std Dev 9362
pull1D
Entries 79
Mean −0.001593
Std Dev 1.826

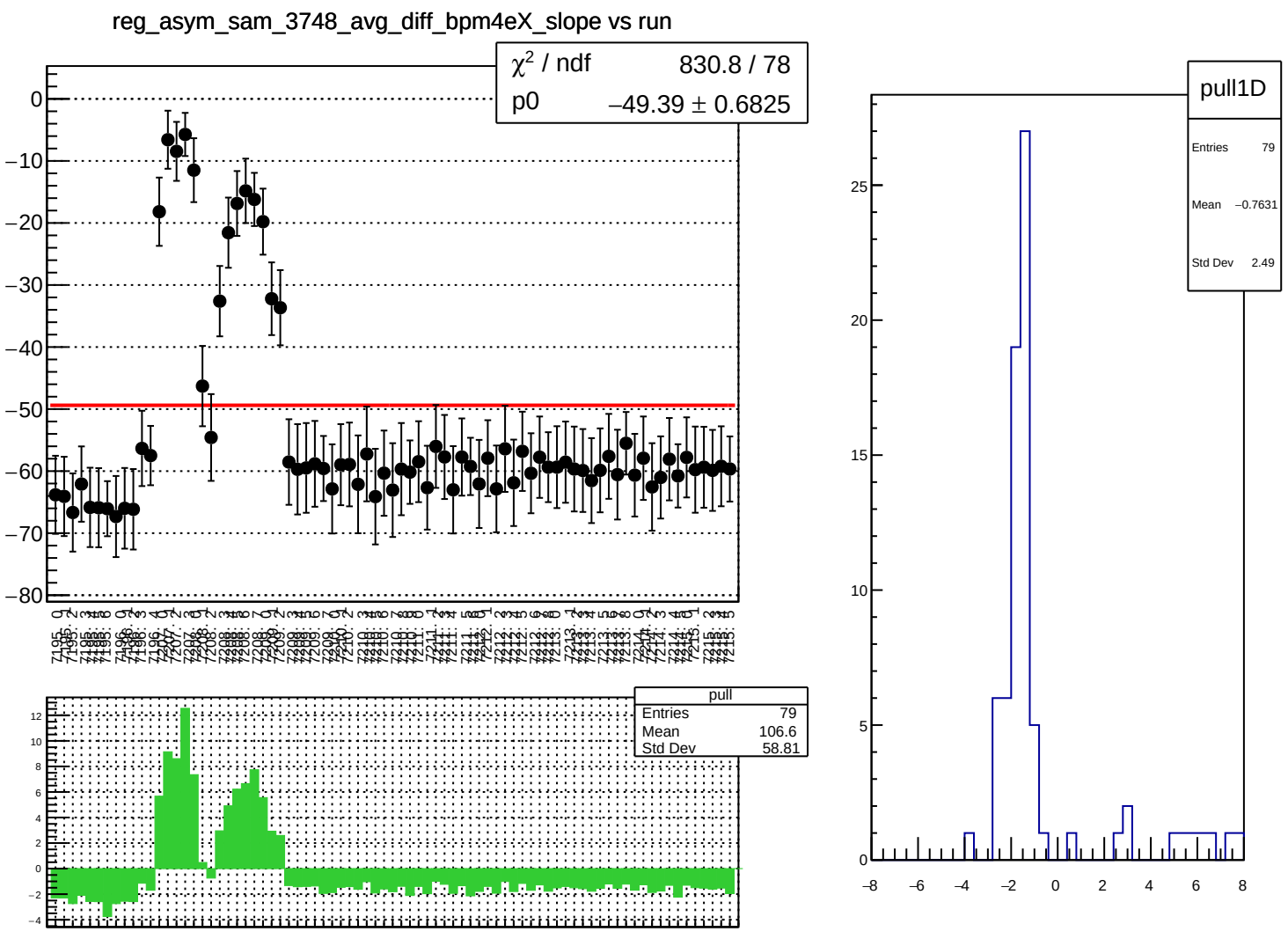

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 930.8 / 78
p0 −28.85 ± 0.6249
pull
Entries 79
Mean 110.4
Std Dev 61.82
pull1D
Entries 79
Mean −0.886
Std Dev 2.477

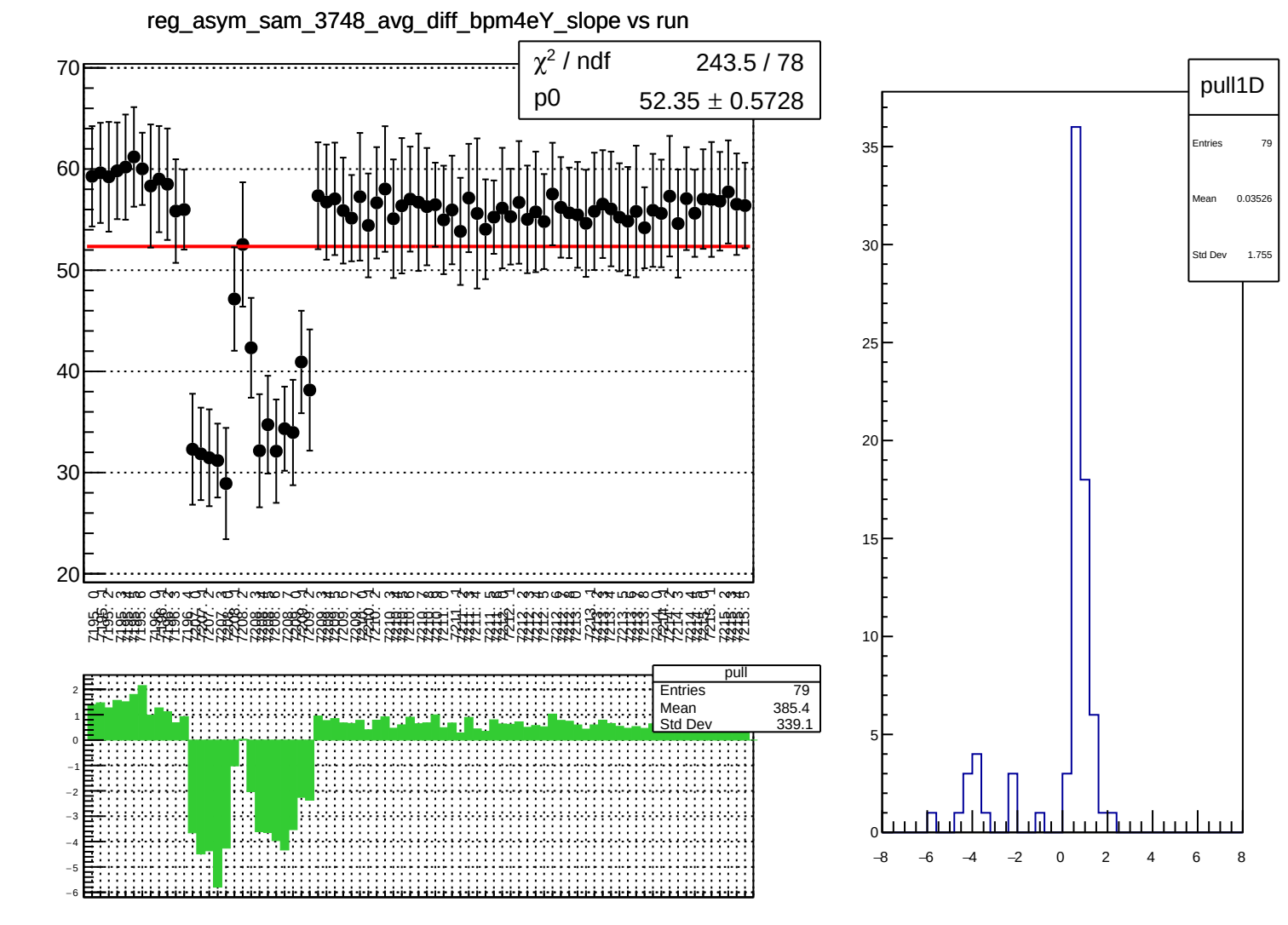

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 236.1 / 78
p0 75.42 ± 0.5247
pull
Entries 79
Mean 714.1
Std Dev 667.5
pull1D
Entries 79
Mean 0.01811
Std Dev 1.729

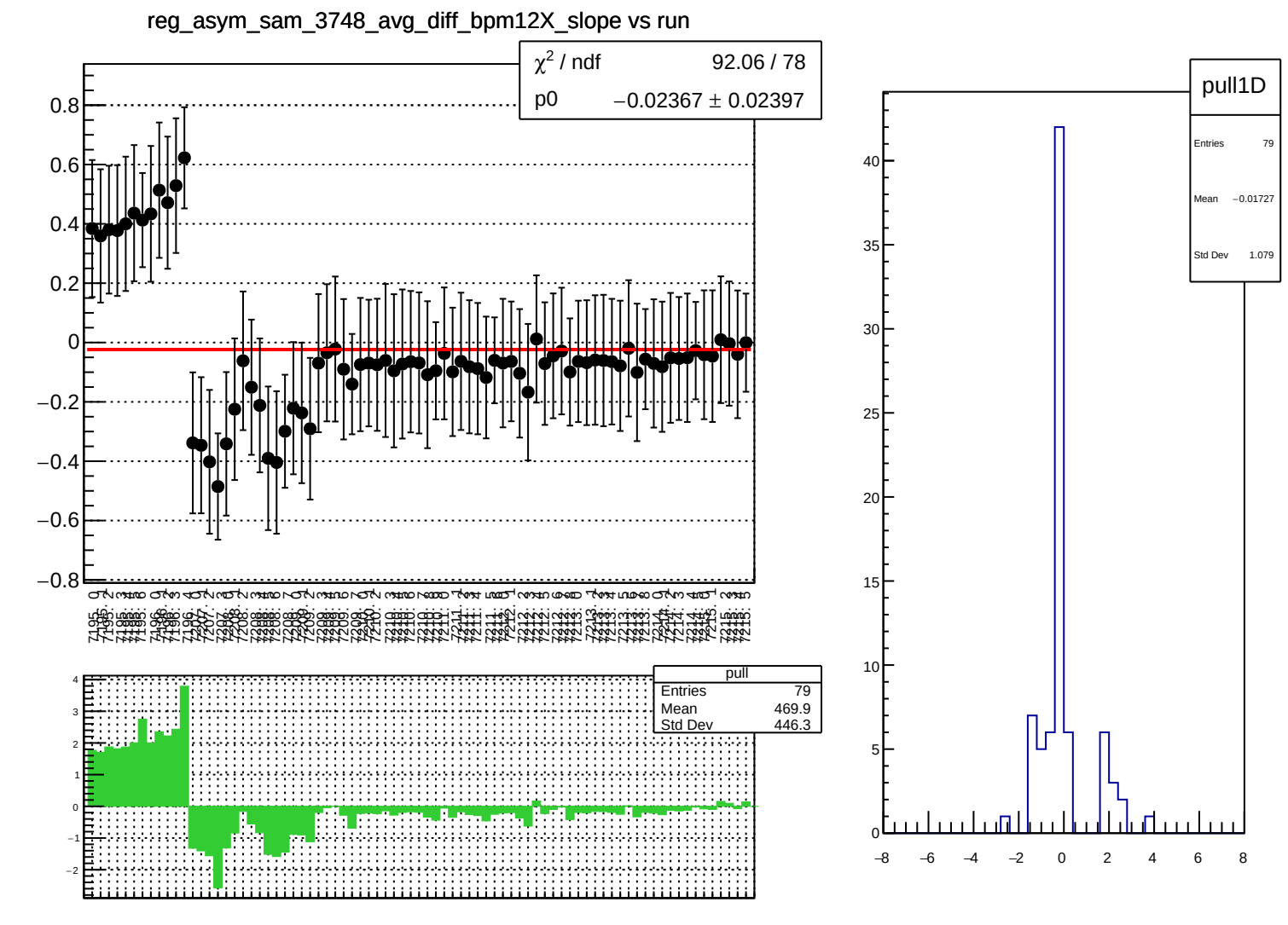

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 156.5 / 78
p0 −0.1338 ± 0.02195
pull
Entries 79
Mean 259
Std Dev 233.2
pull1D
Entries 79
Mean −0.05102
Std Dev 1.407

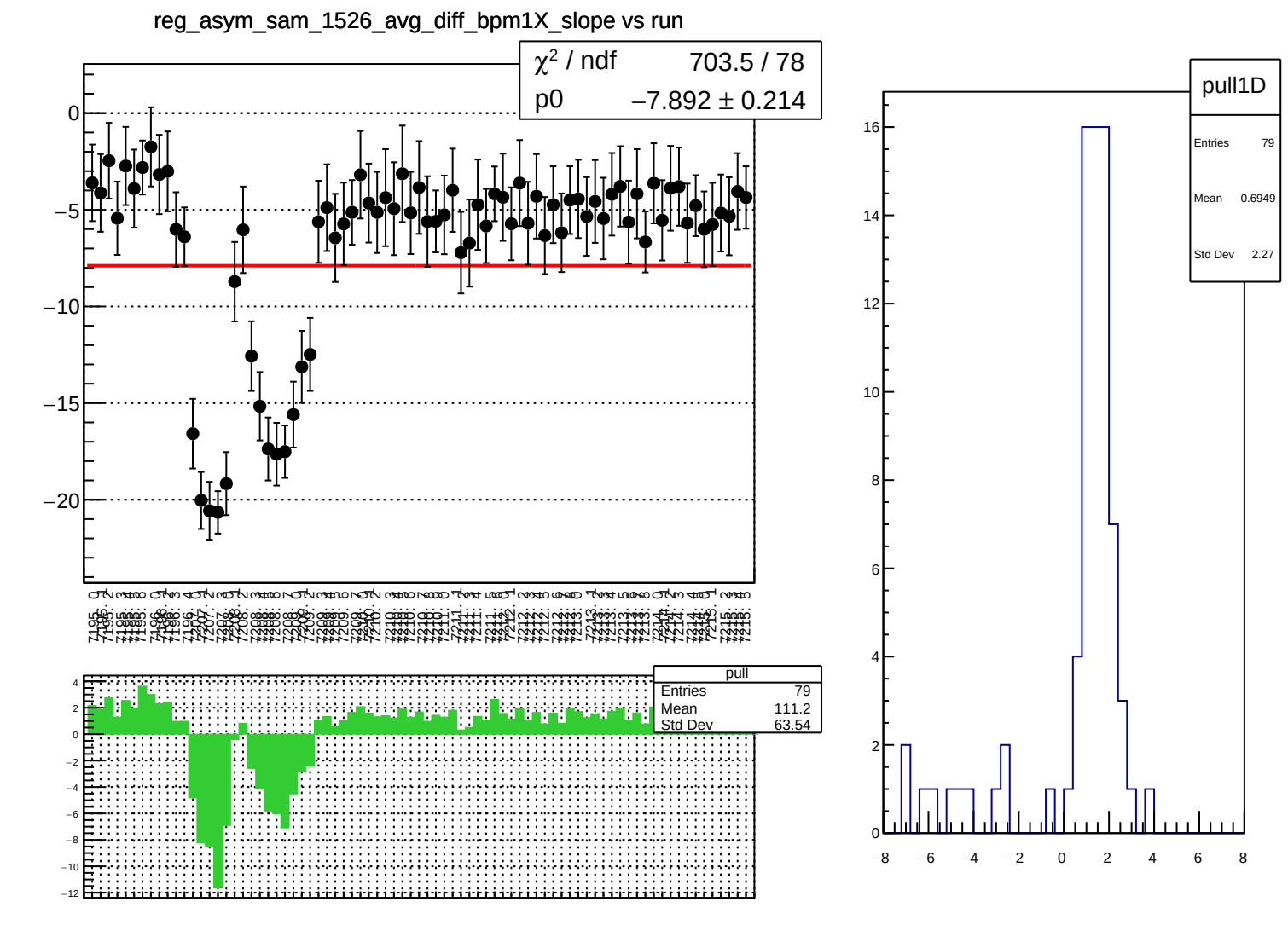

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 982.3 / 78
p0 −21.46 ± 0.6779
pull
Entries 79
Mean 110.2
Std Dev 62.62
pull1D
Entries 79
Mean 1.068
Std Dev 2.27

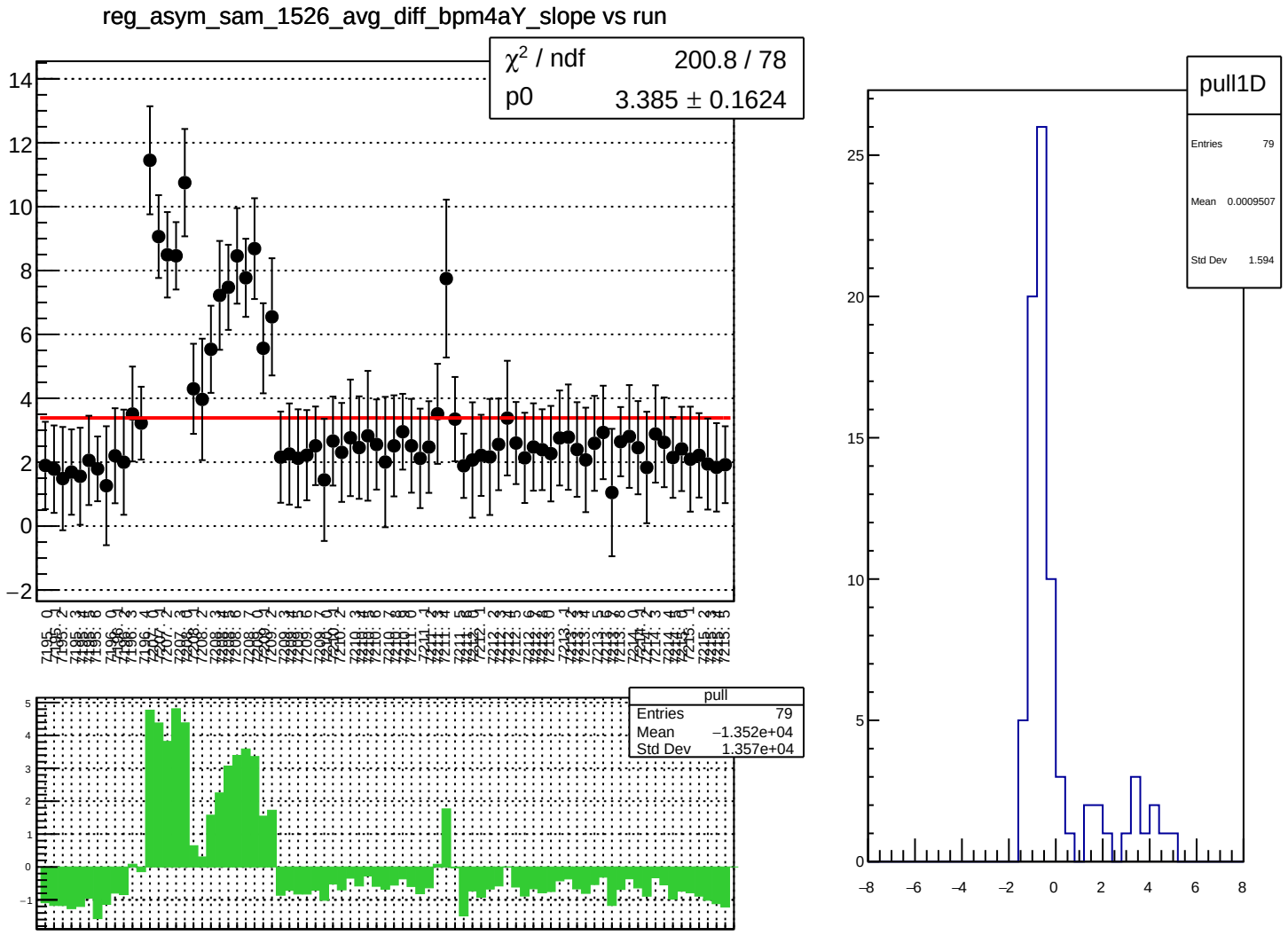

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 246.9 / 78
p0 0.3834 ± 0.5152
pull
Entries 79
Mean 983.7
Std Dev 940.2
pull1D
Entries 79
Mean −0.01498
Std Dev 1.768

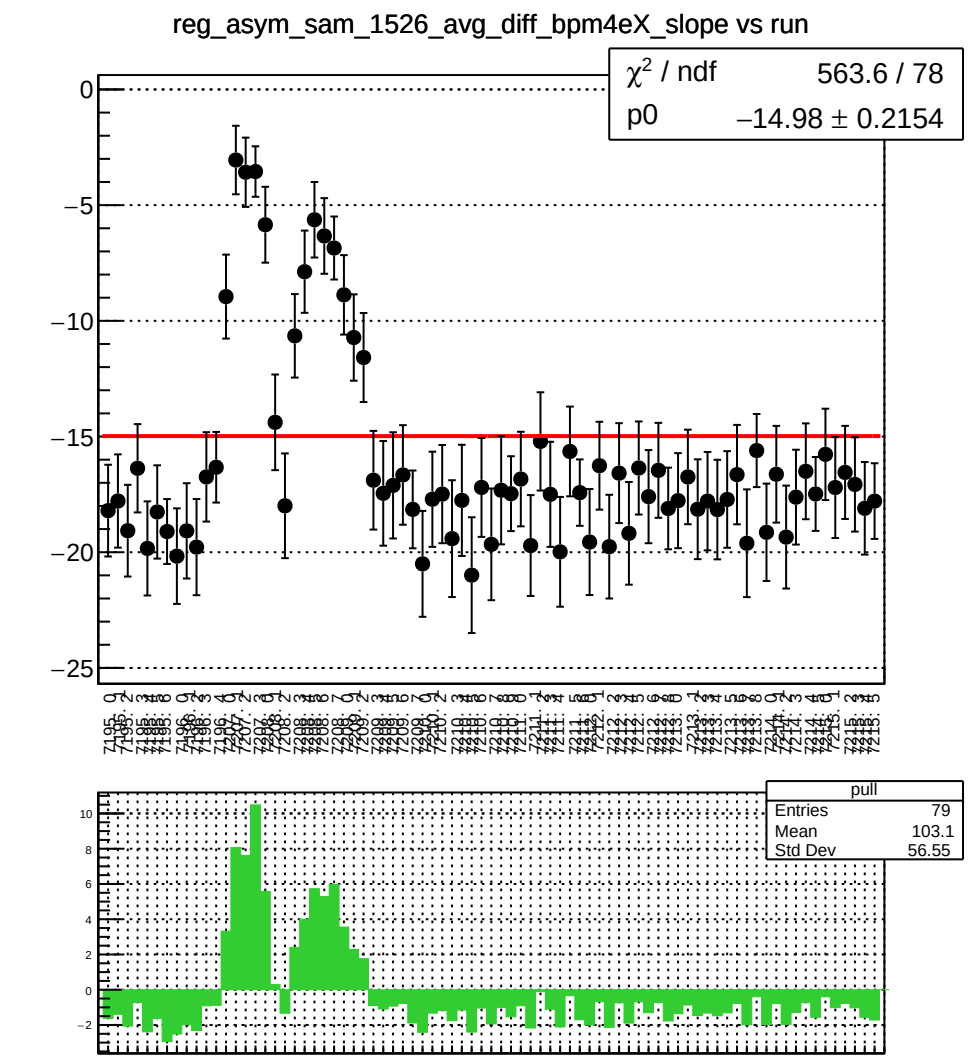

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 830.8 / 78
p0 −49.39 ± 0.6825
pull
Entries 79
Mean 106.6
Std Dev 58.81
pull1D
Entries 79
Mean −0.7631
Std Dev 2.49

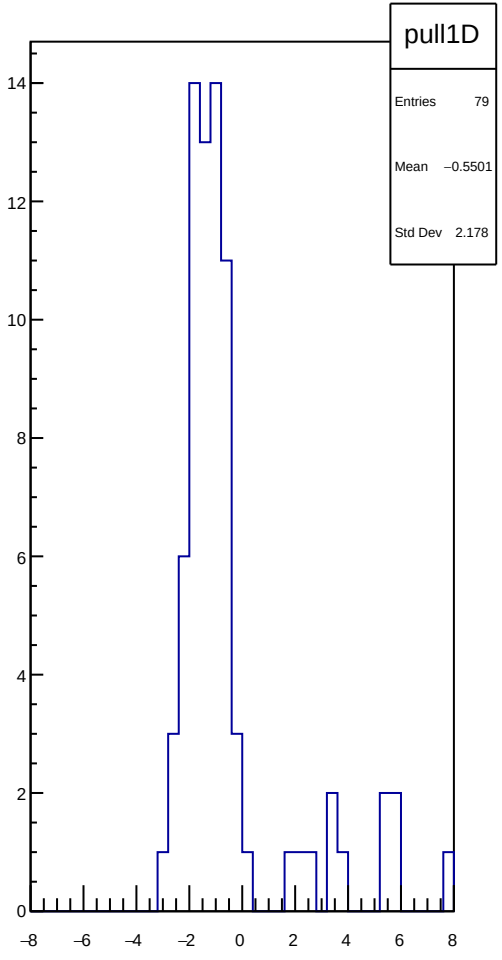

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 243.5 / 78
p0 52.35 ± 0.5728
pull
Entries 79
Mean 385.4
Std Dev 339.1
pull1D
Entries 79
Mean 0.03526
Std Dev 1.755

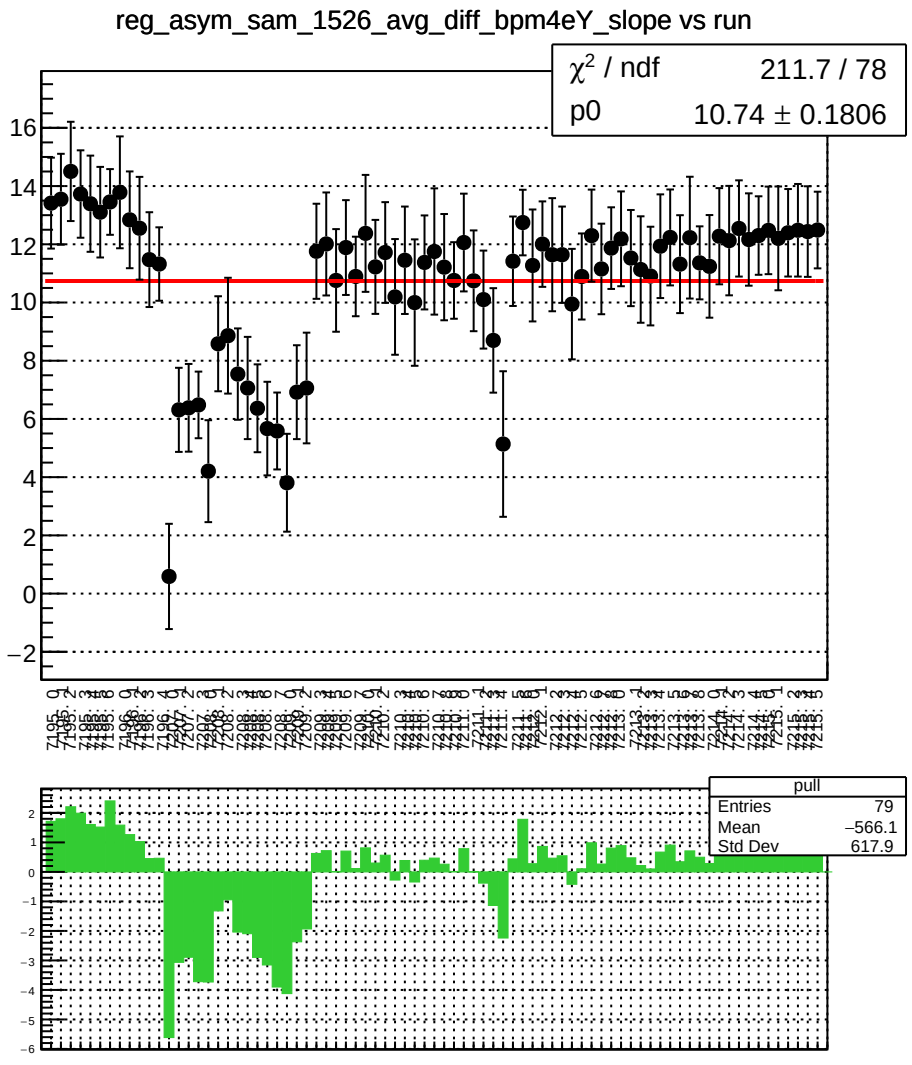

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 92.06 / 78
p0 −0.02367 ± 0.02397
pull
Entries 79
Mean 469.9
Std Dev 446.3
pull1D
Entries 79
Mean −0.01727
Std Dev 1.079

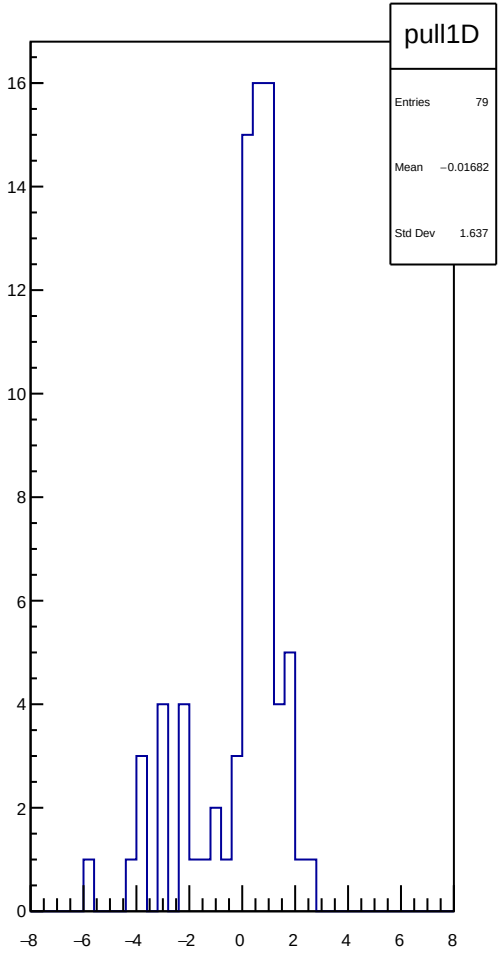

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 703.5 / 78
p0 −7.892 ± 0.214
pull
Entries 79
Mean 111.2
Std Dev 63.54
pull1D
Entries 79
Mean 0.6949
Std Dev 2.27

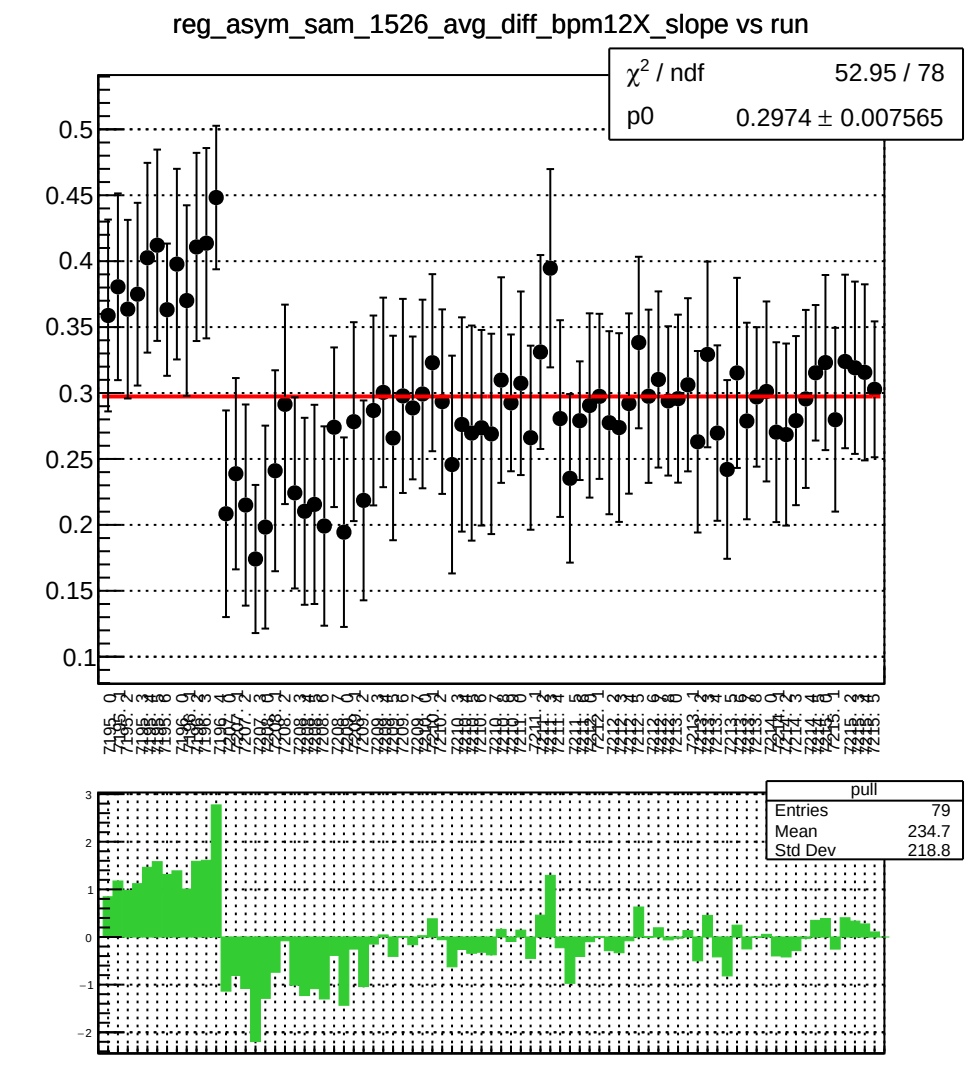

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 200.8 / 78
p0 3.385 ± 0.1624
pull
Entries 79
Mean −1.352e+04
Std Dev 1.357e+04
pull1D
Entries 79
Mean 0.0009507
Std Dev 1.594

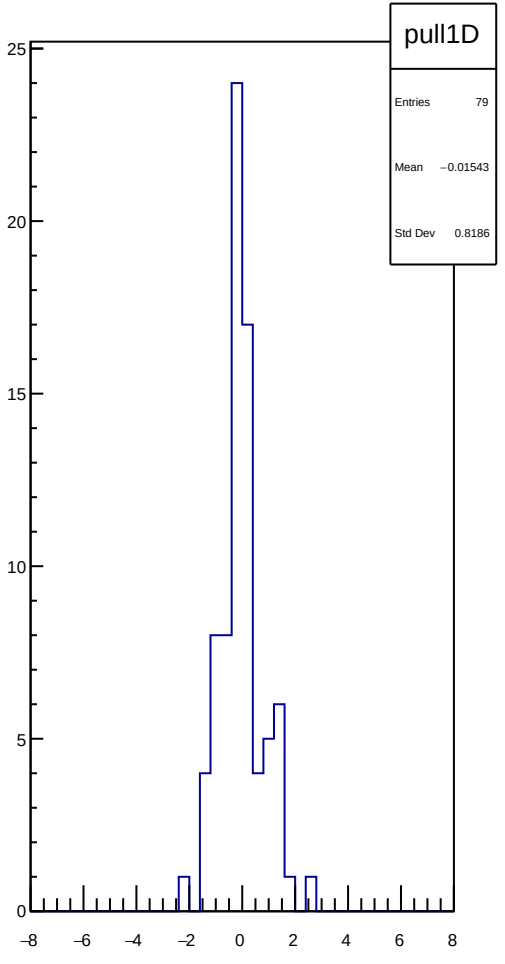

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 563.6 / 78
p0 −14.98 ± 0.2154
pull
Entries 79
Mean 103.1
Std Dev 56.55

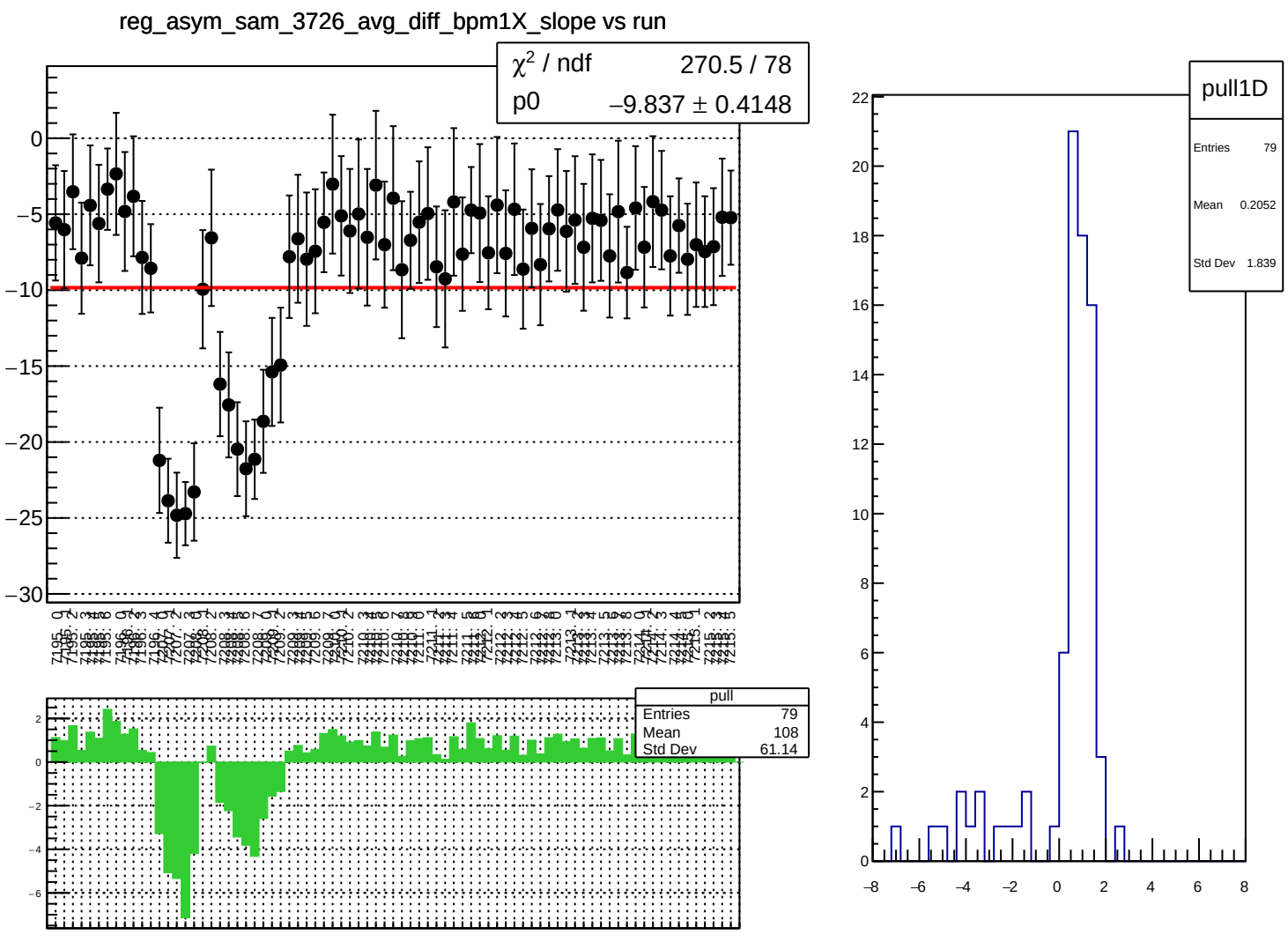

pull1D
Entries 79
Mean −0.5501
Std Dev 2.178

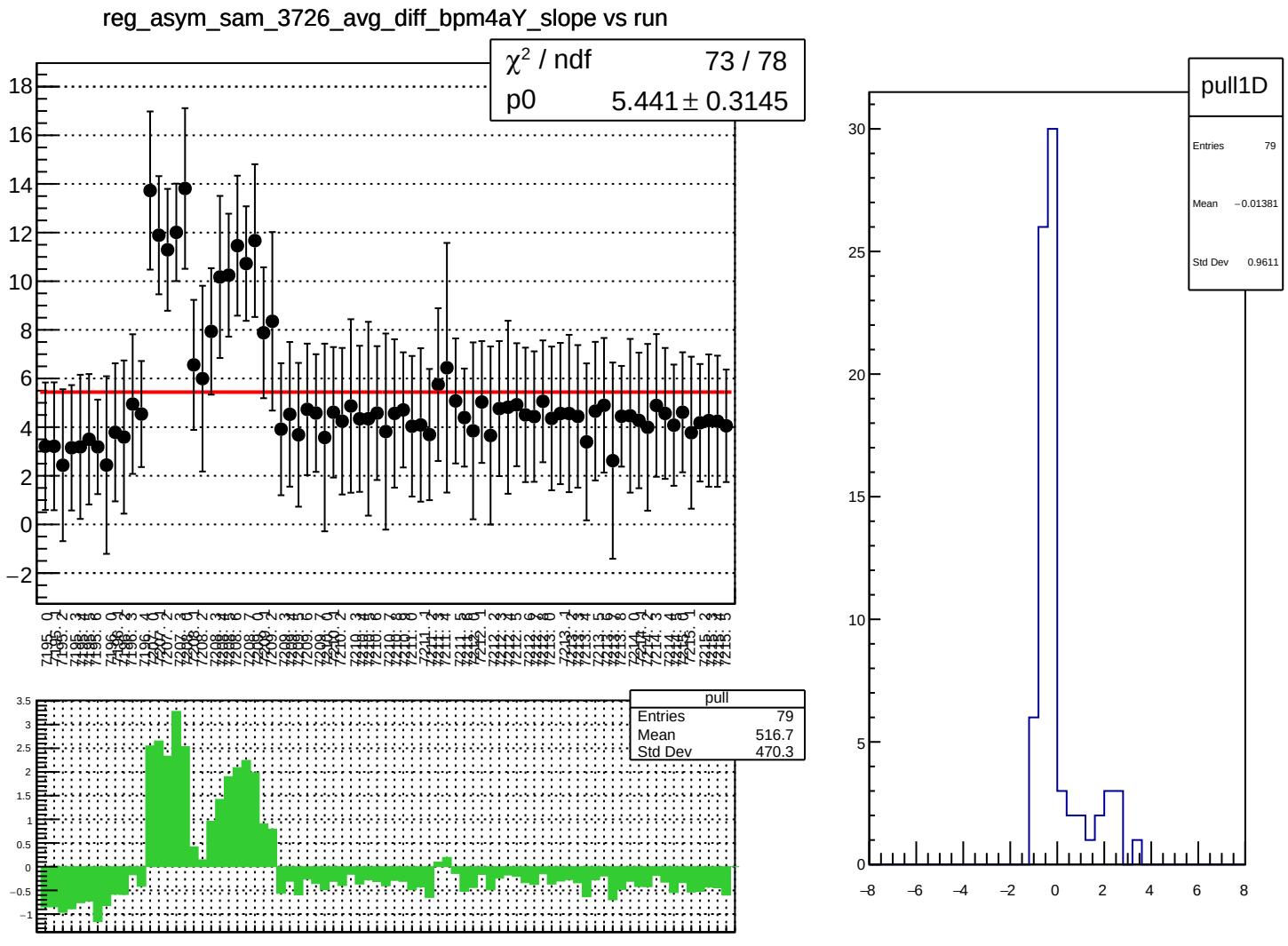

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 211.7 / 78
p0 10.74 ± 0.1806
pull
Entries 79
Mean −566.1
Std Dev 617.9

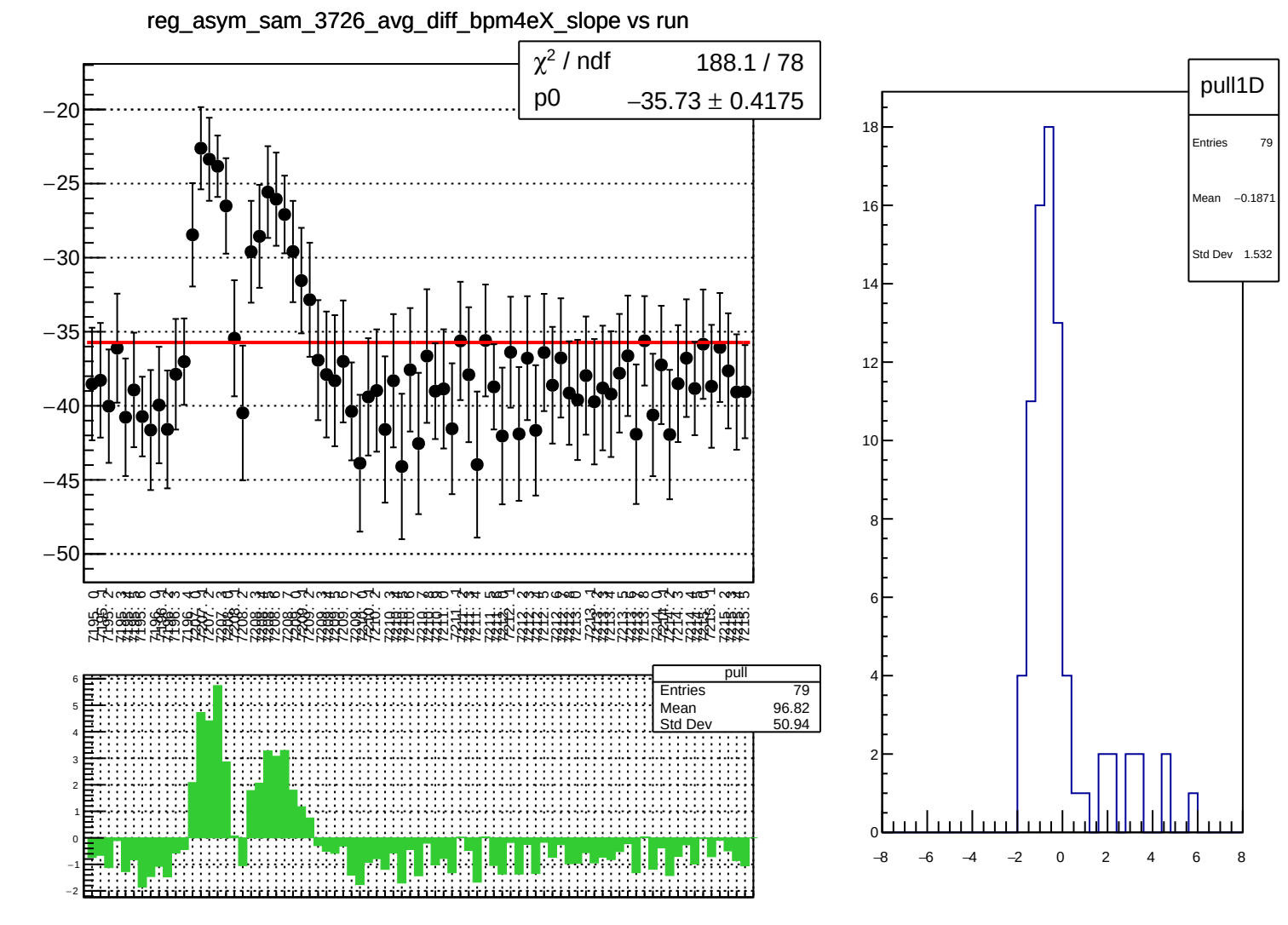

pull1D
Entries 79
Mean −0.01682
Std Dev 1.637

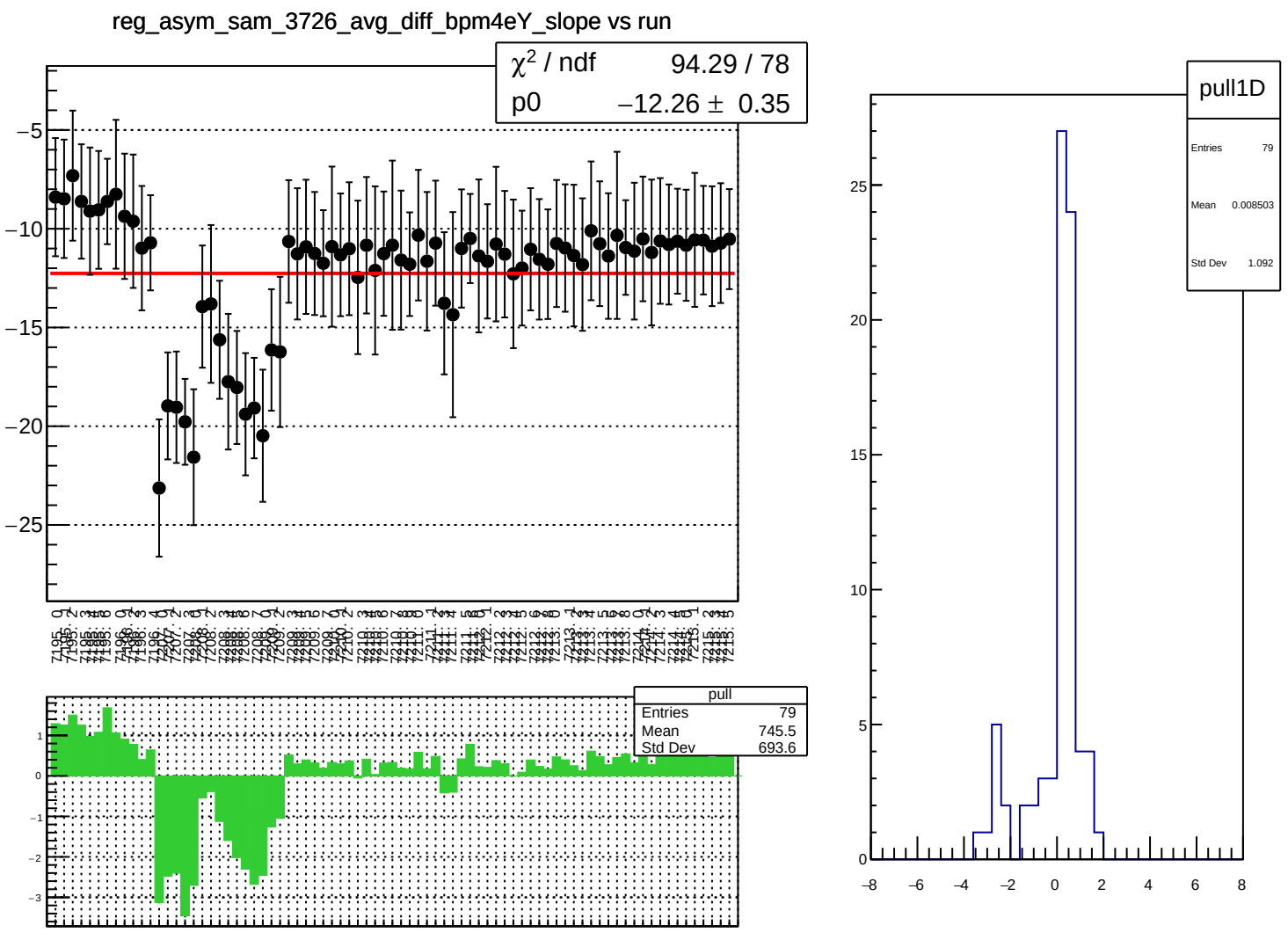

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 52.95 / 78
p0 0.2974 ± 0.007565
pull
Entries 79
Mean 234.7
Std Dev 218.8

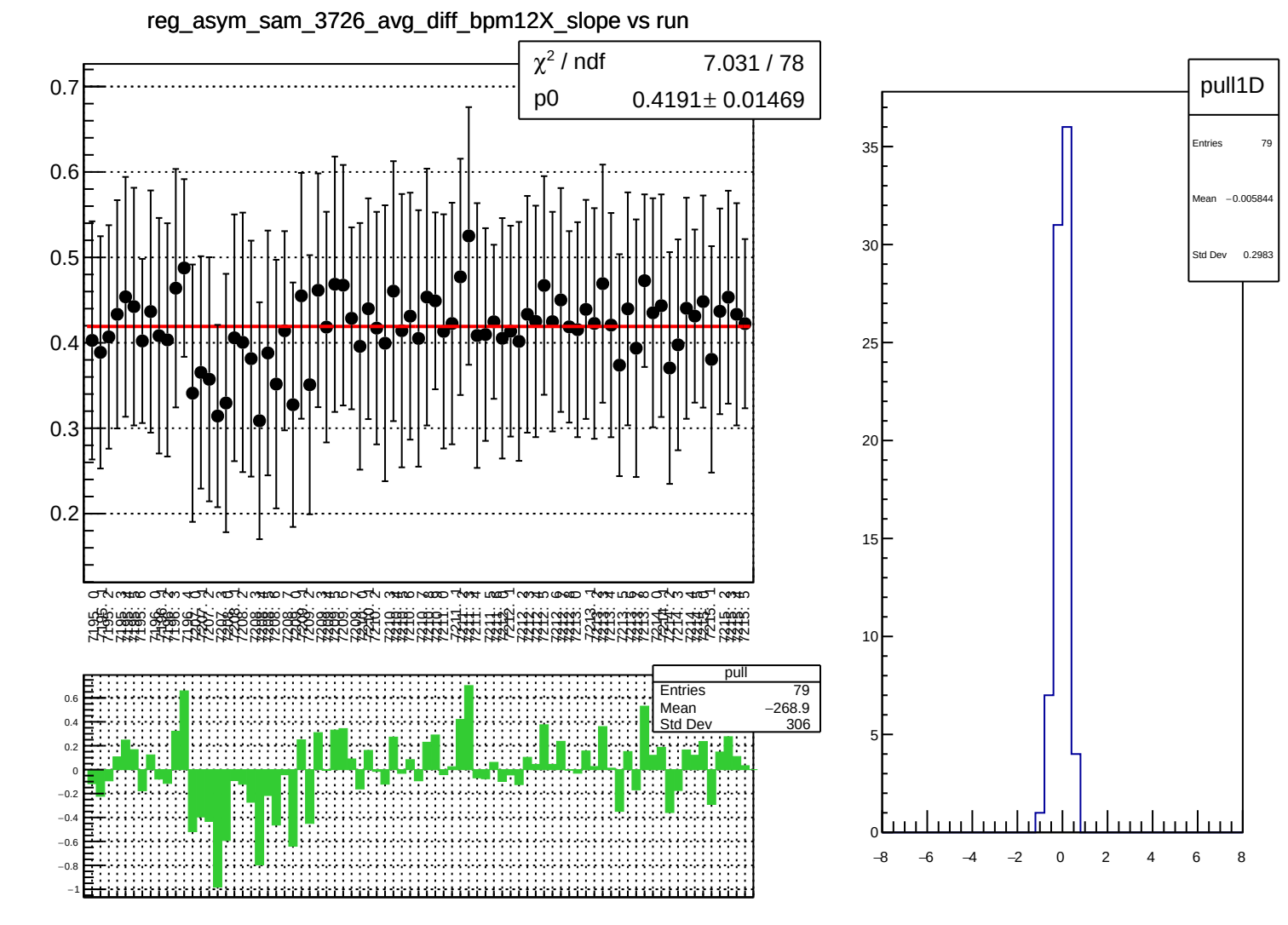

pull1D
Entries 79
Mean −0.01543
Std Dev 0.8186

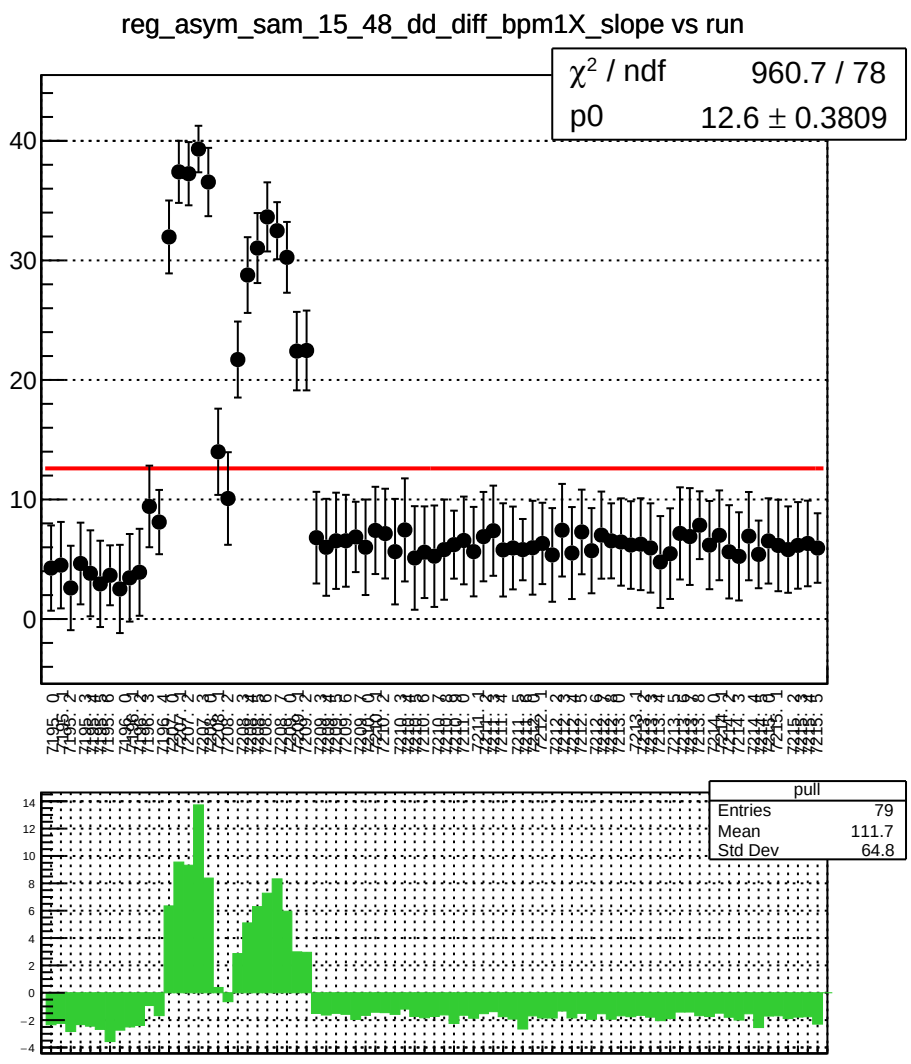

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 270.5 / 78
p0 −9.837 ± 0.4148
pull
Entries 79
Mean 108
Std Dev 61.14
pull1D
Entries 79
Mean 0.2052
Std Dev 1.839

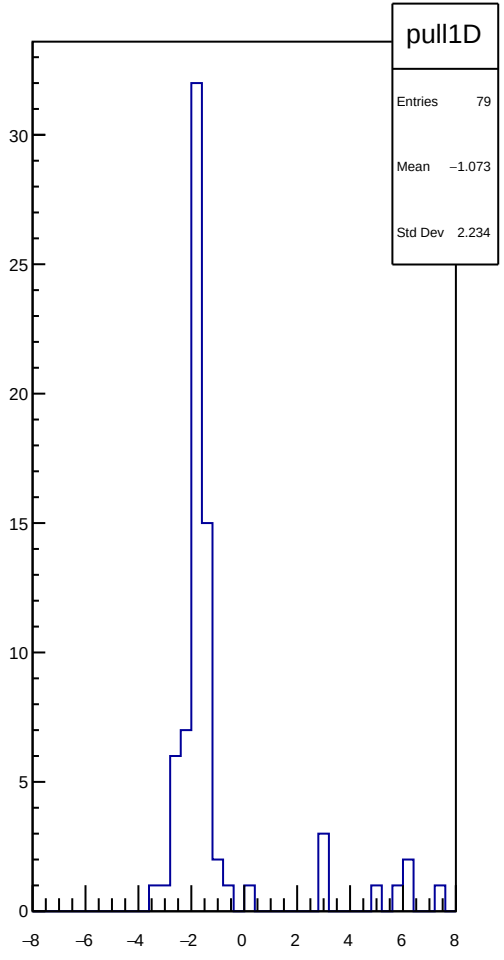

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 73 / 78
p0 5.441 ± 0.3145
pull
Entries 79
Mean 516.7
Std Dev 470.3
pull1D
Entries 79
Mean −0.01381
Std Dev 0.9611

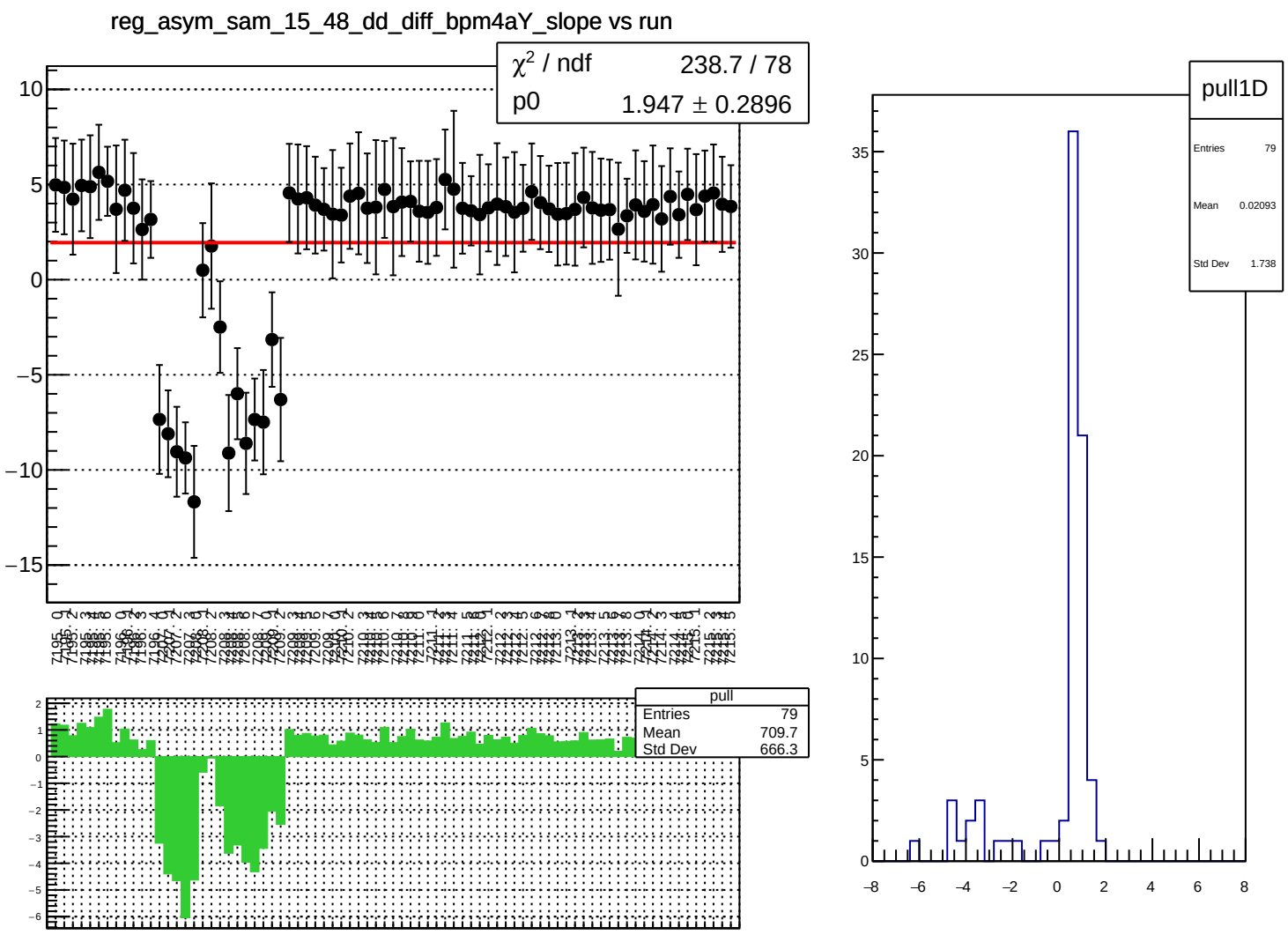

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 188.1 / 78
p0 −35.73 ± 0.4175
pull
Entries 79
Mean 96.82
Std Dev 50.94
pull1D
Entries 79
Mean −0.1871
Std Dev 1.532

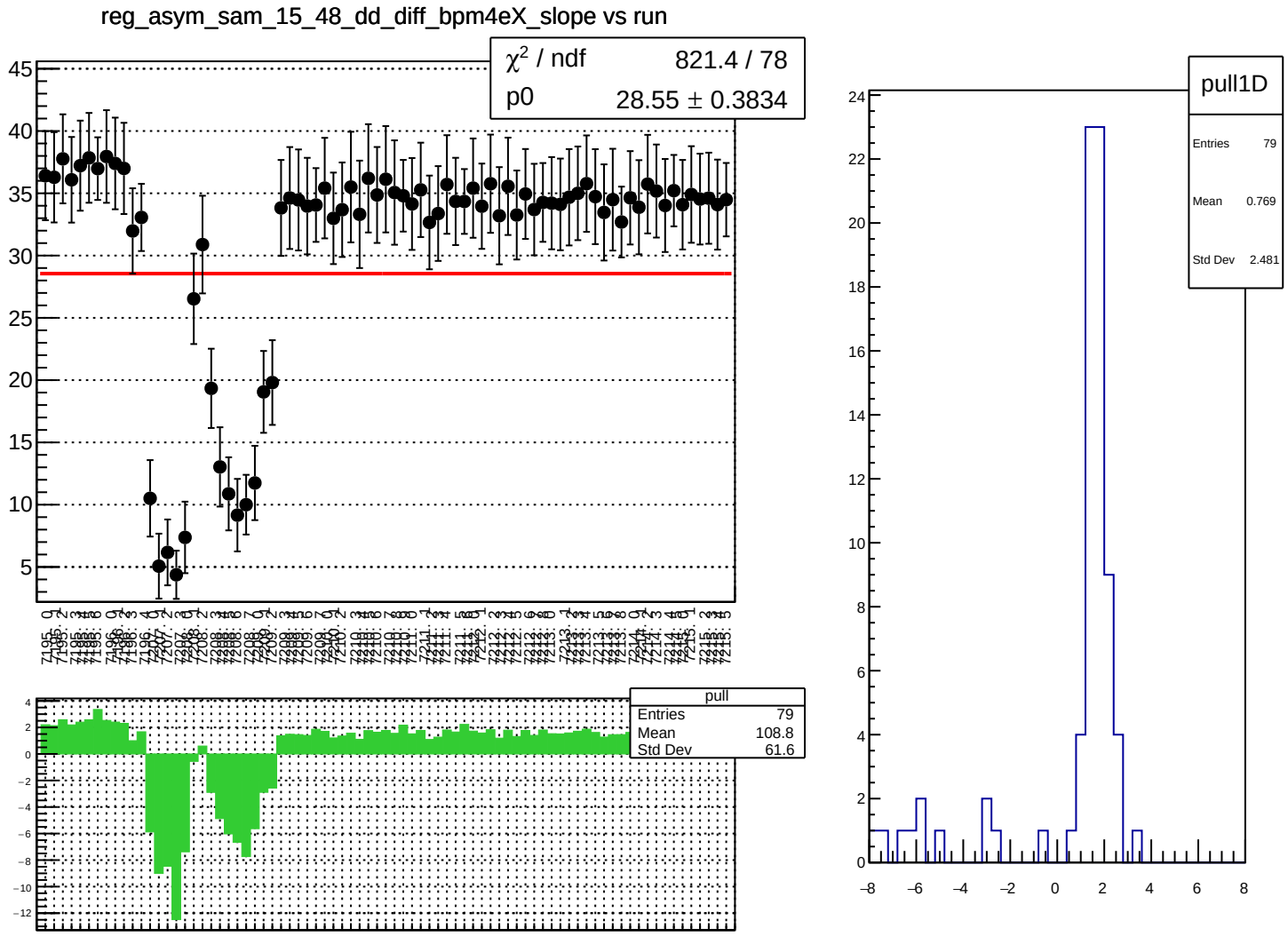

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 94.29 / 78
p0 −12.26 ± 0.35
pull
Entries 79
Mean 745.5
Std Dev 693.6
pull1D
Entries 79
Mean 0.008503
Std Dev 1.092

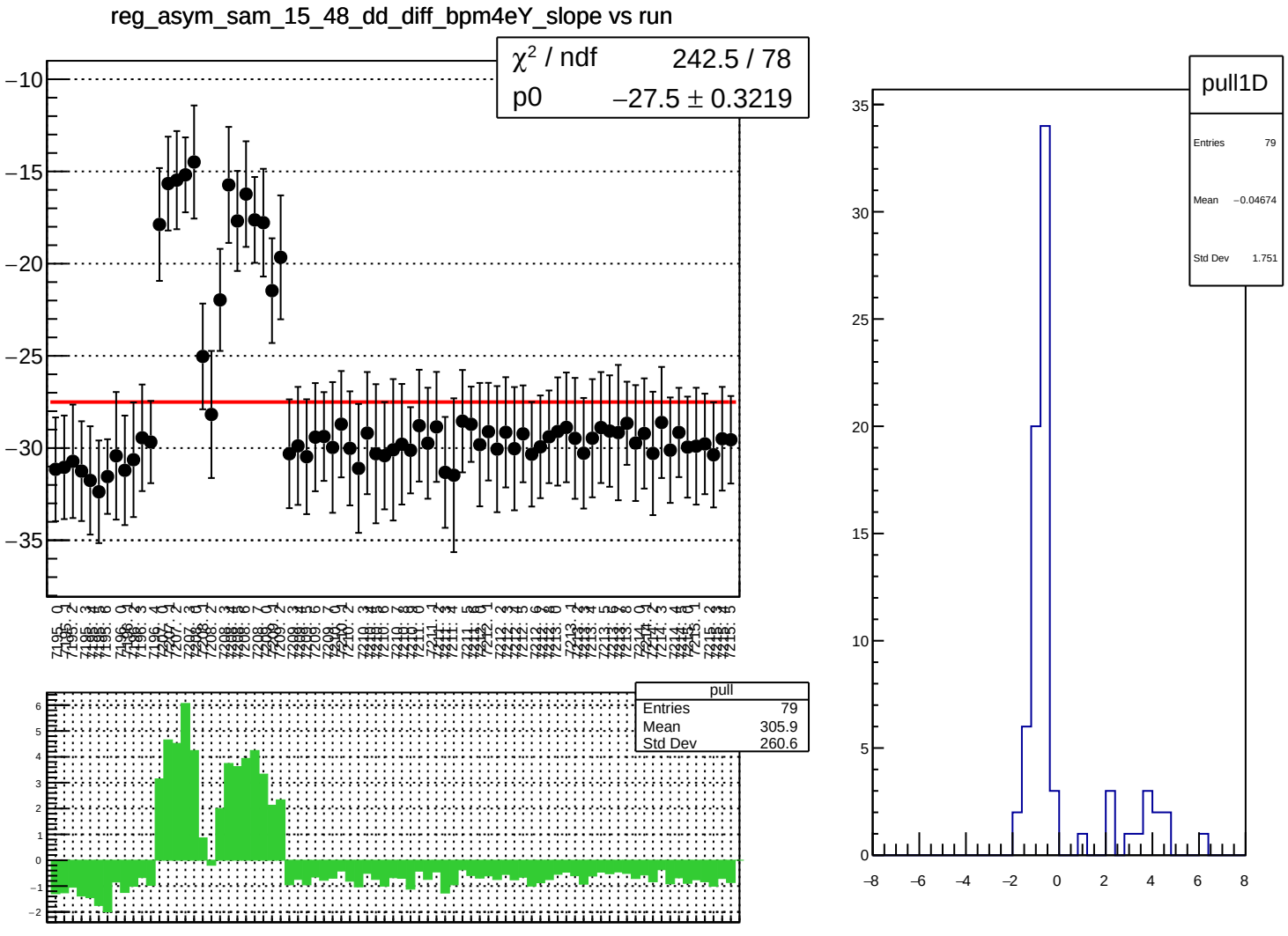

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 7.031 / 78
p0 0.4191± 0.01469
pull
Entries 79
Mean −268.9
Std Dev 306
pull1D
Entries 79
Mean −0.005844
Std Dev 0.2983

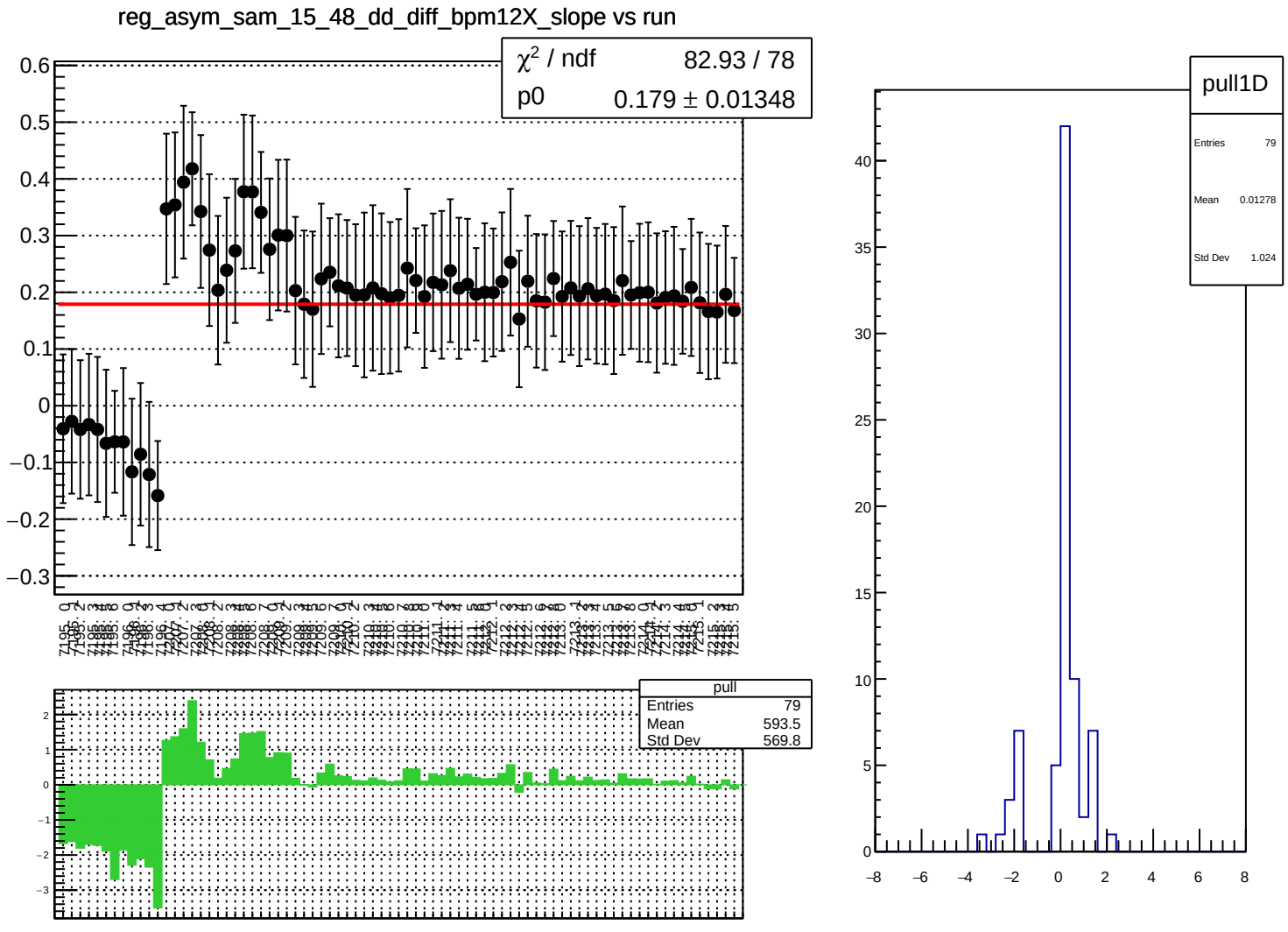

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 960.7 / 78
p0 12.6 ± 0.3809
pull
Entries 79
Mean 111.7
Std Dev 64.8

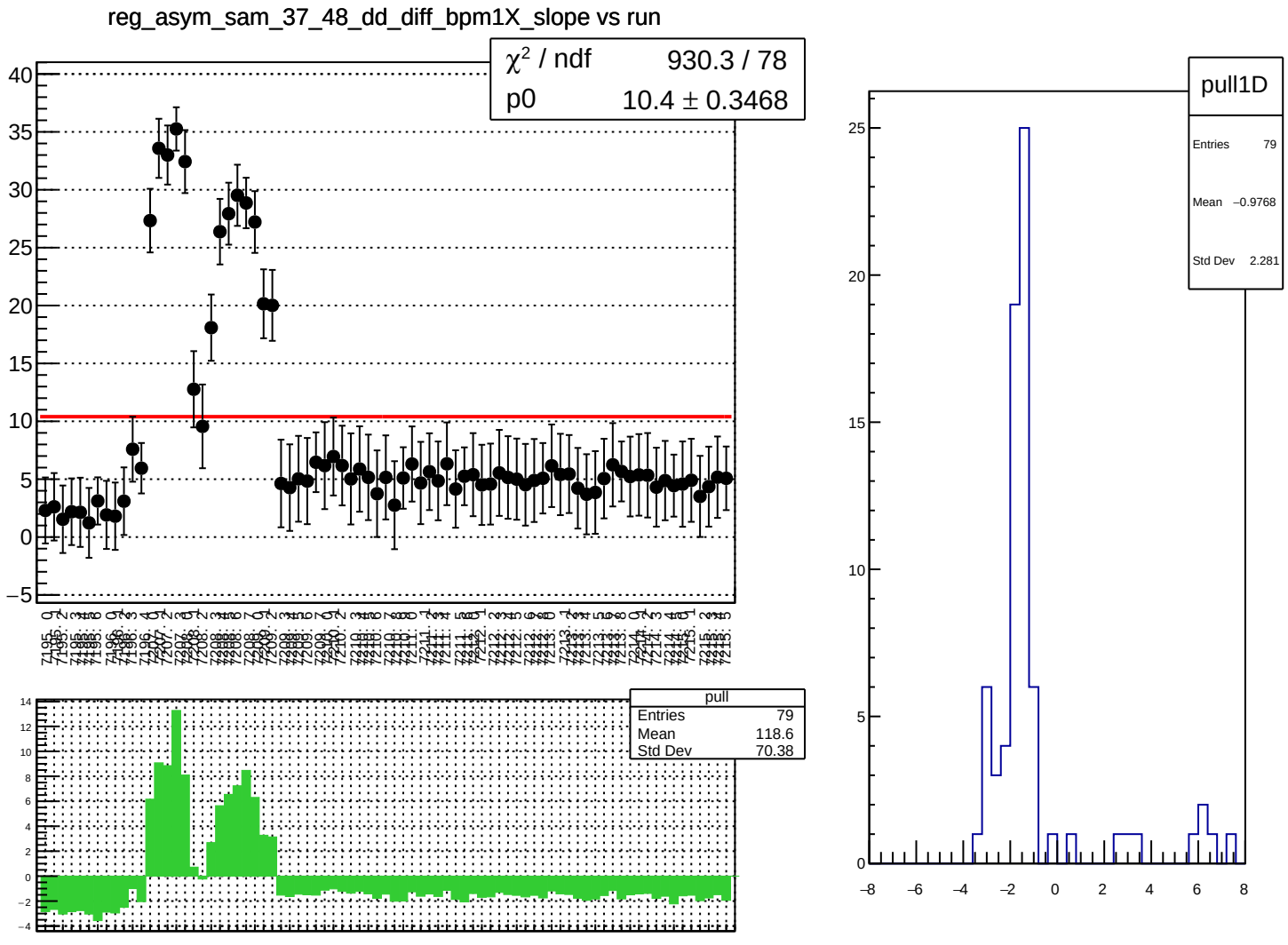

pull1D
Entries 79
Mean −1.073
Std Dev 2.234

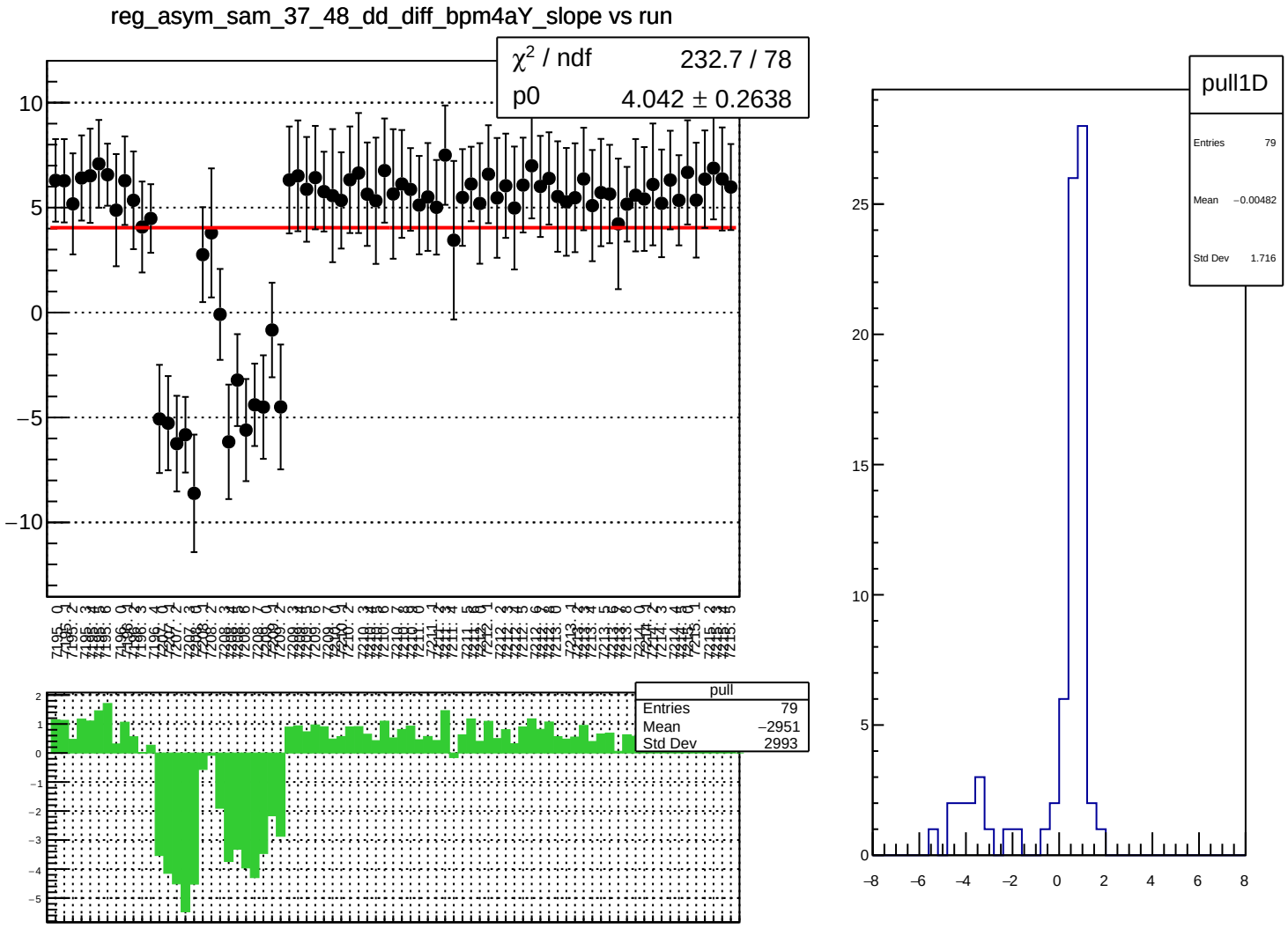

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 238.7 / 78
p0 1.947 ± 0.2896
pull
Entries 79
Mean 709.7
Std Dev 666.3
pull1D
Entries 79
Mean 0.02093
Std Dev 1.738

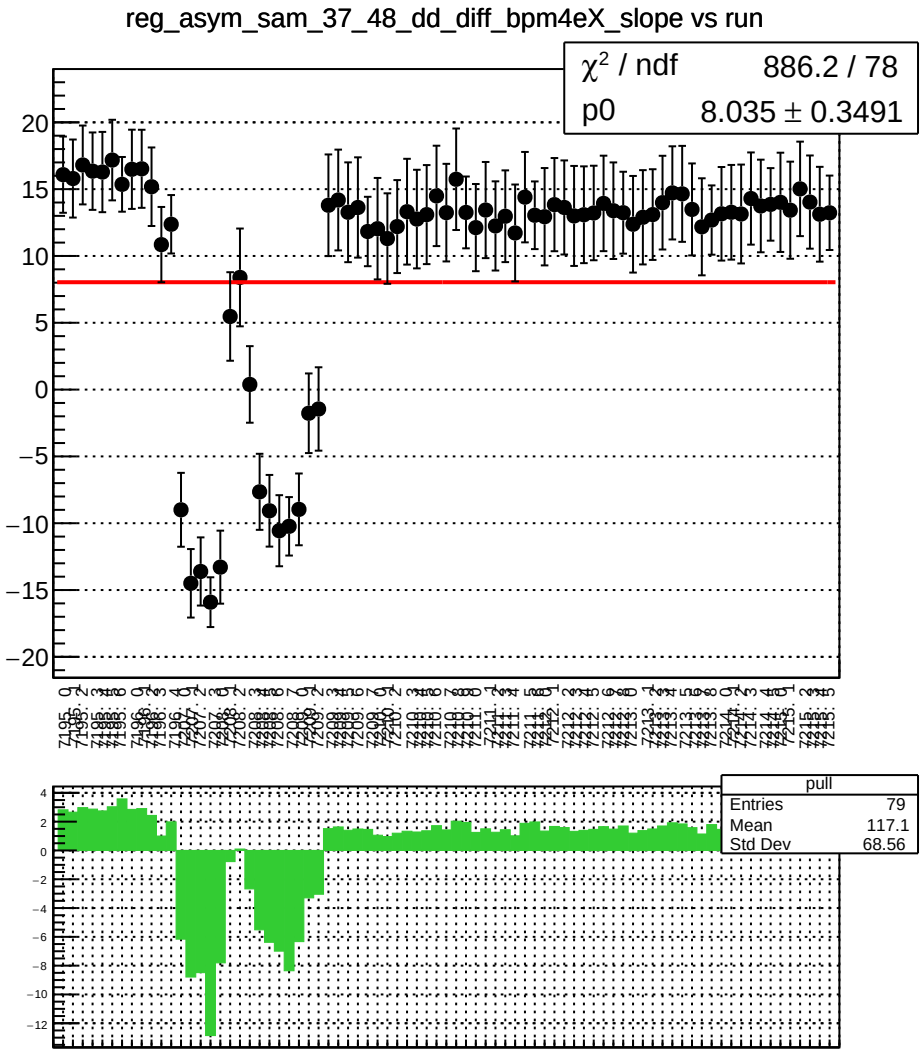

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 821.4 / 78
p0 28.55 ± 0.3834
pull
Entries 79
Mean 108.8
Std Dev 61.6
pull1D
Entries 79
Mean 0.769
Std Dev 2.481

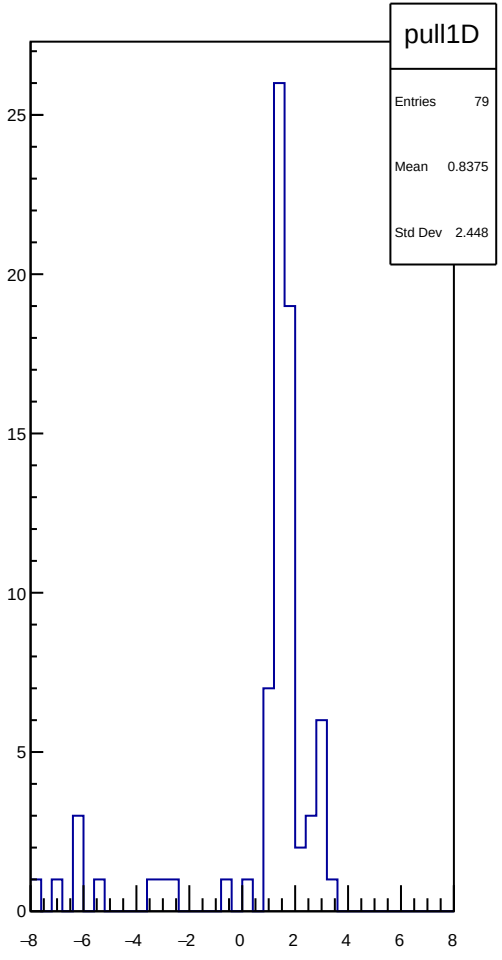

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 242.5 / 78
p0 −27.5 ± 0.3219
pull
Entries 79
Mean 305.9
Std Dev 260.6
pull1D
Entries 79
Mean −0.04674
Std Dev 1.751

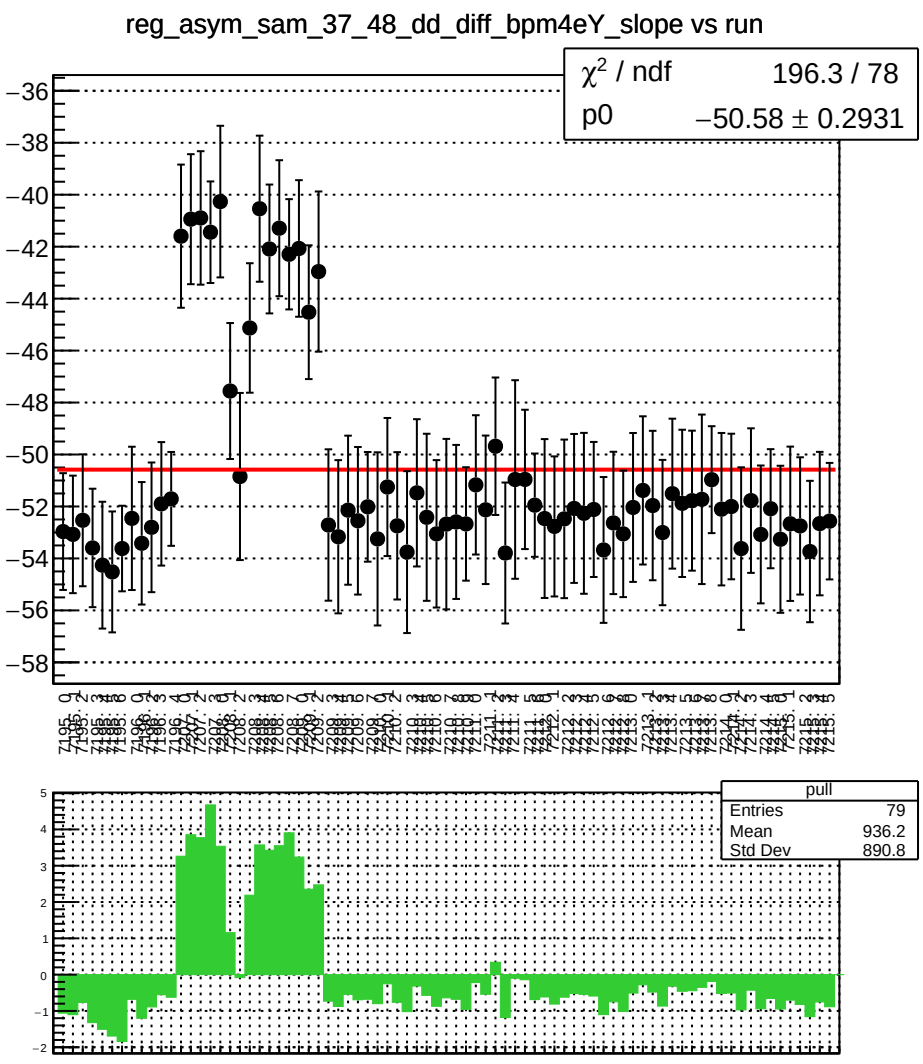

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 82.93 / 78
p0 0.179 ± 0.01348
pull
Entries 79
Mean 593.5
Std Dev 569.8
pull1D
Entries 79
Mean 0.01278
Std Dev 1.024

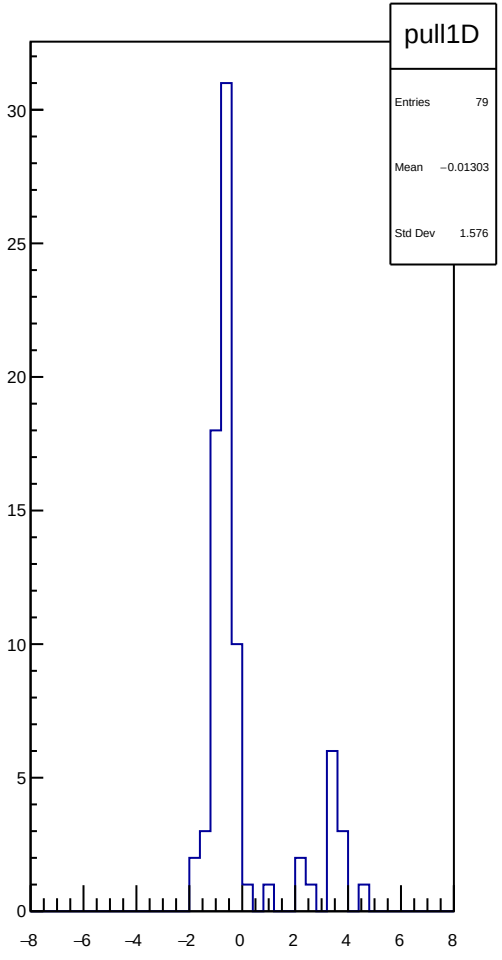

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 930.3 / 78
p0 10.4 ± 0.3468
pull
Entries 79
Mean 118.6
Std Dev 70.38
pull1D
Entries 79
Mean −0.9768
Std Dev 2.281

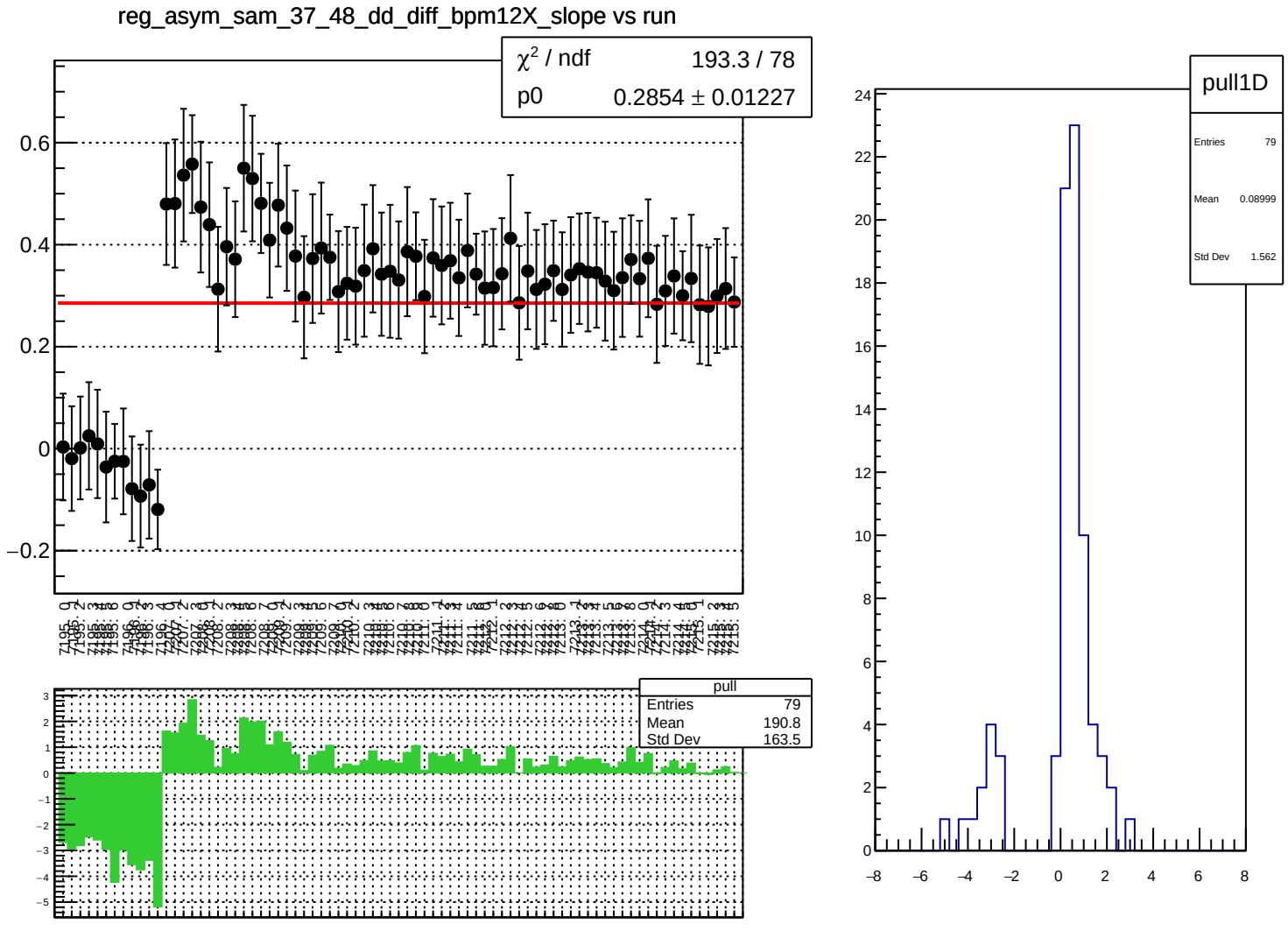

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 232.7 / 78
p0 4.042 ± 0.2638
pull
Entries 79
Mean −2951
Std Dev 2993
pull1D
Entries 79
Mean −0.00482
Std Dev 1.716

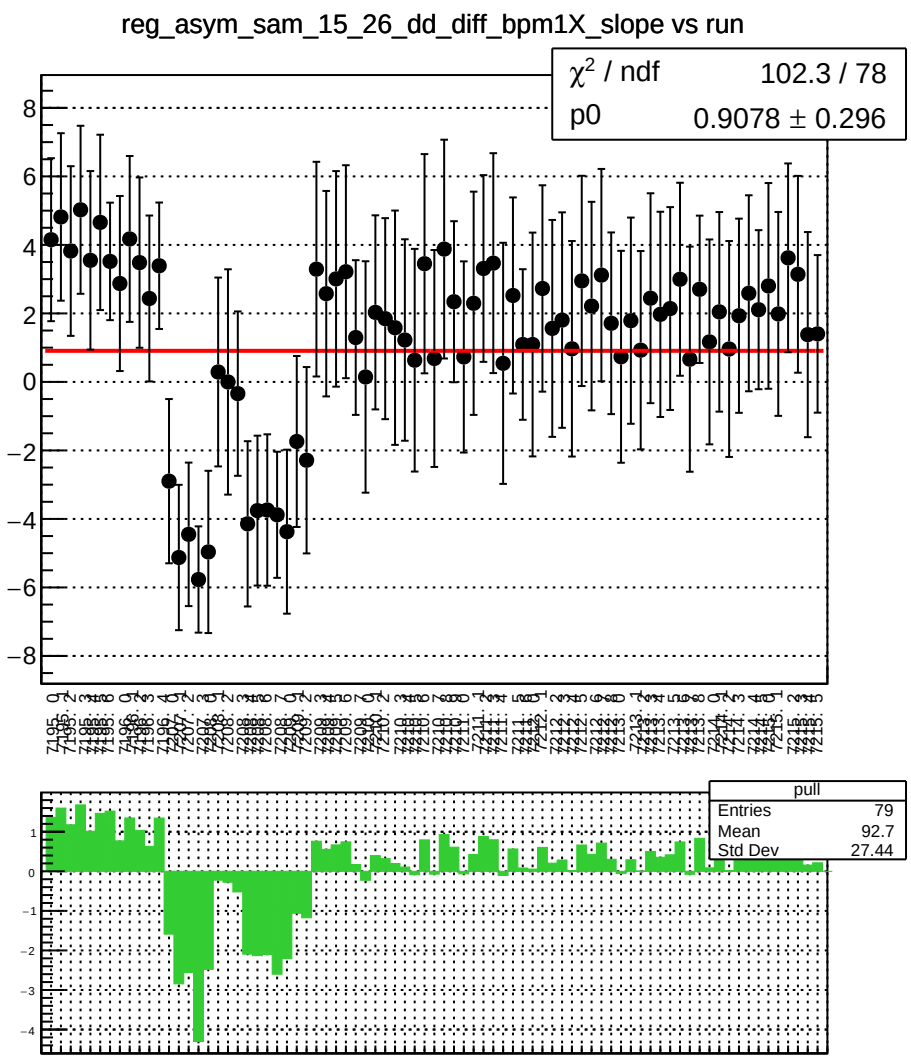

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 886.2 / 78
p0 8.035 ± 0.3491
pull
Entries 79
Mean 117.1
Std Dev 68.56

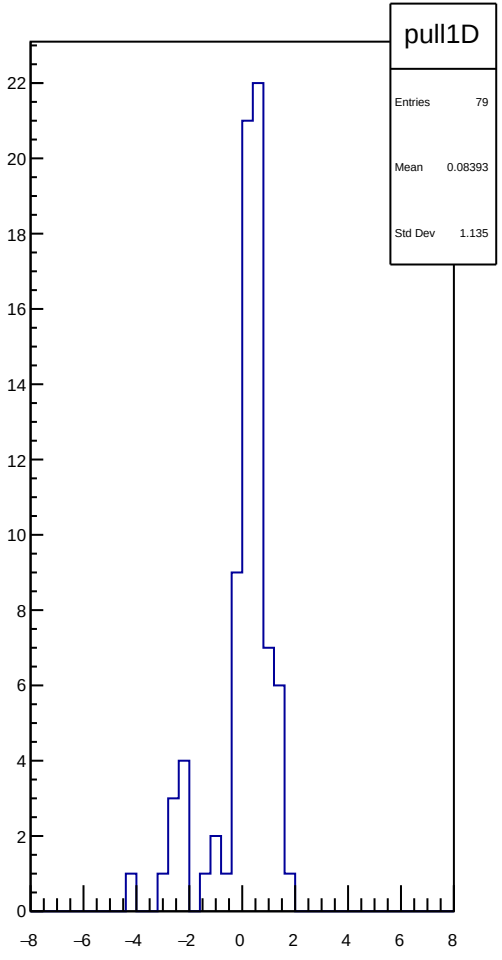

pull1D
Entries 79
Mean 0.8375
Std Dev 2.448

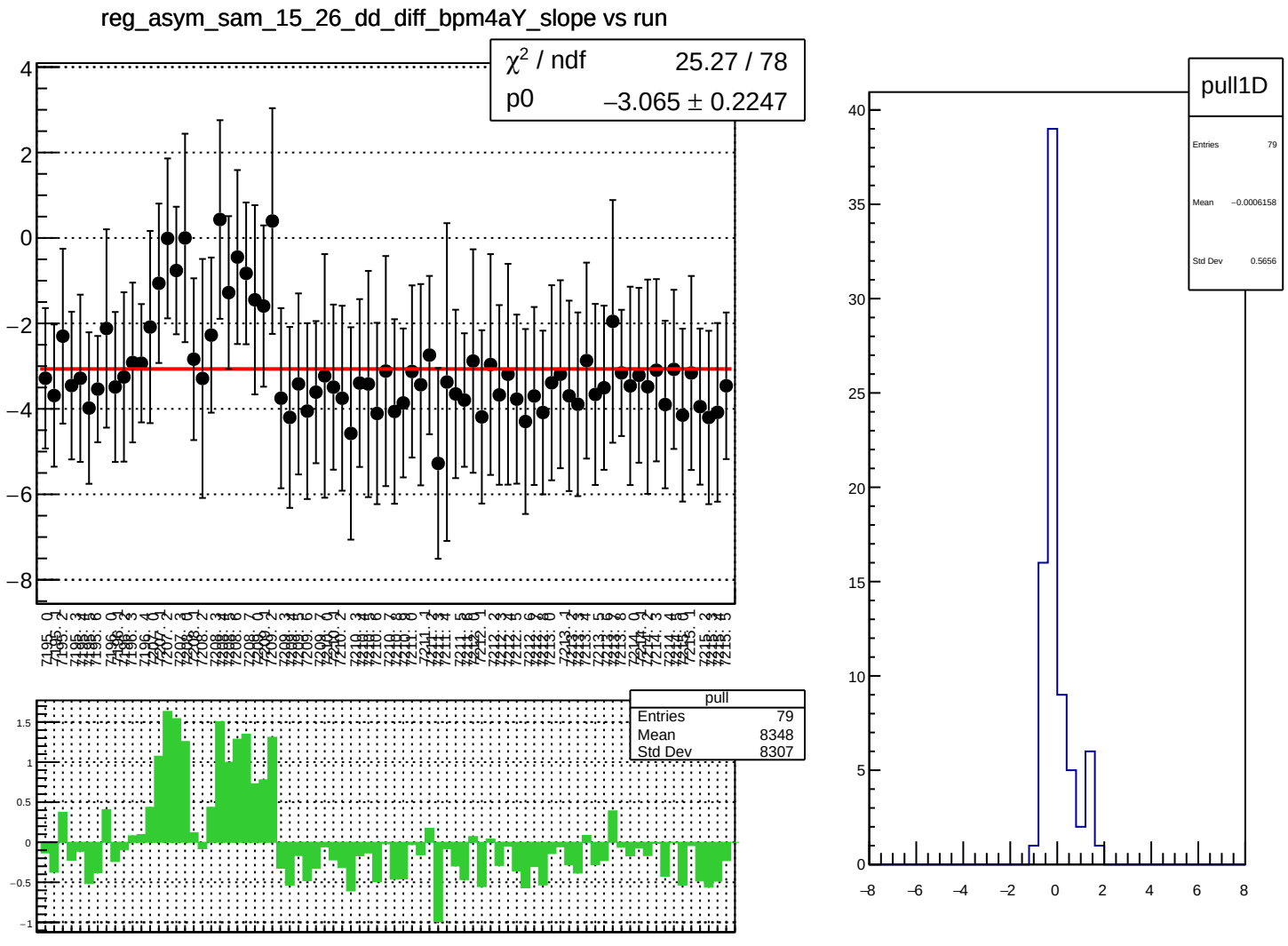

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 196.3 / 78
p0 −50.58 ± 0.2931
pull
Entries 79
Mean 936.2
Std Dev 890.8

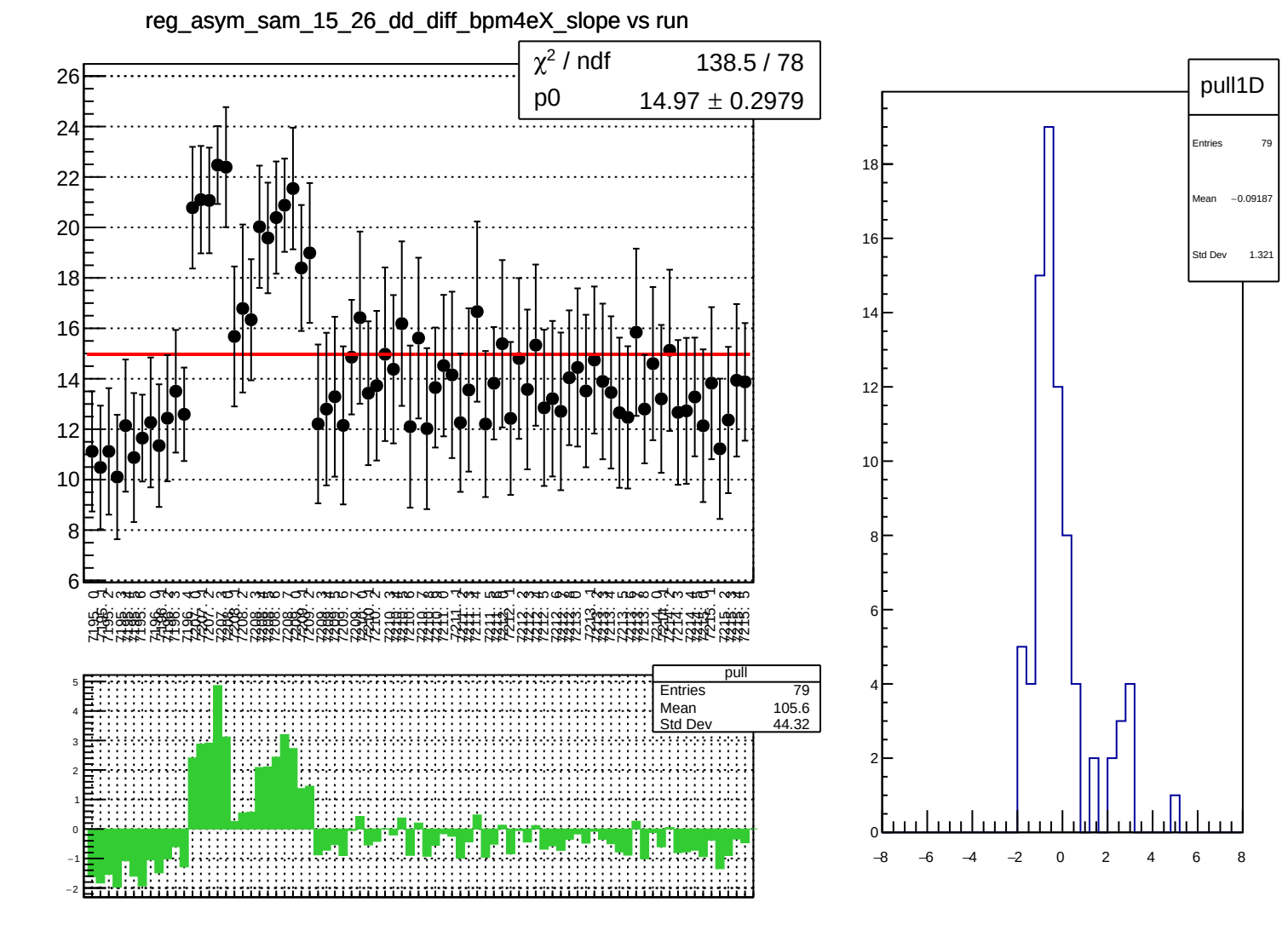

pull1D
Entries 79
Mean −0.01303
Std Dev 1.576

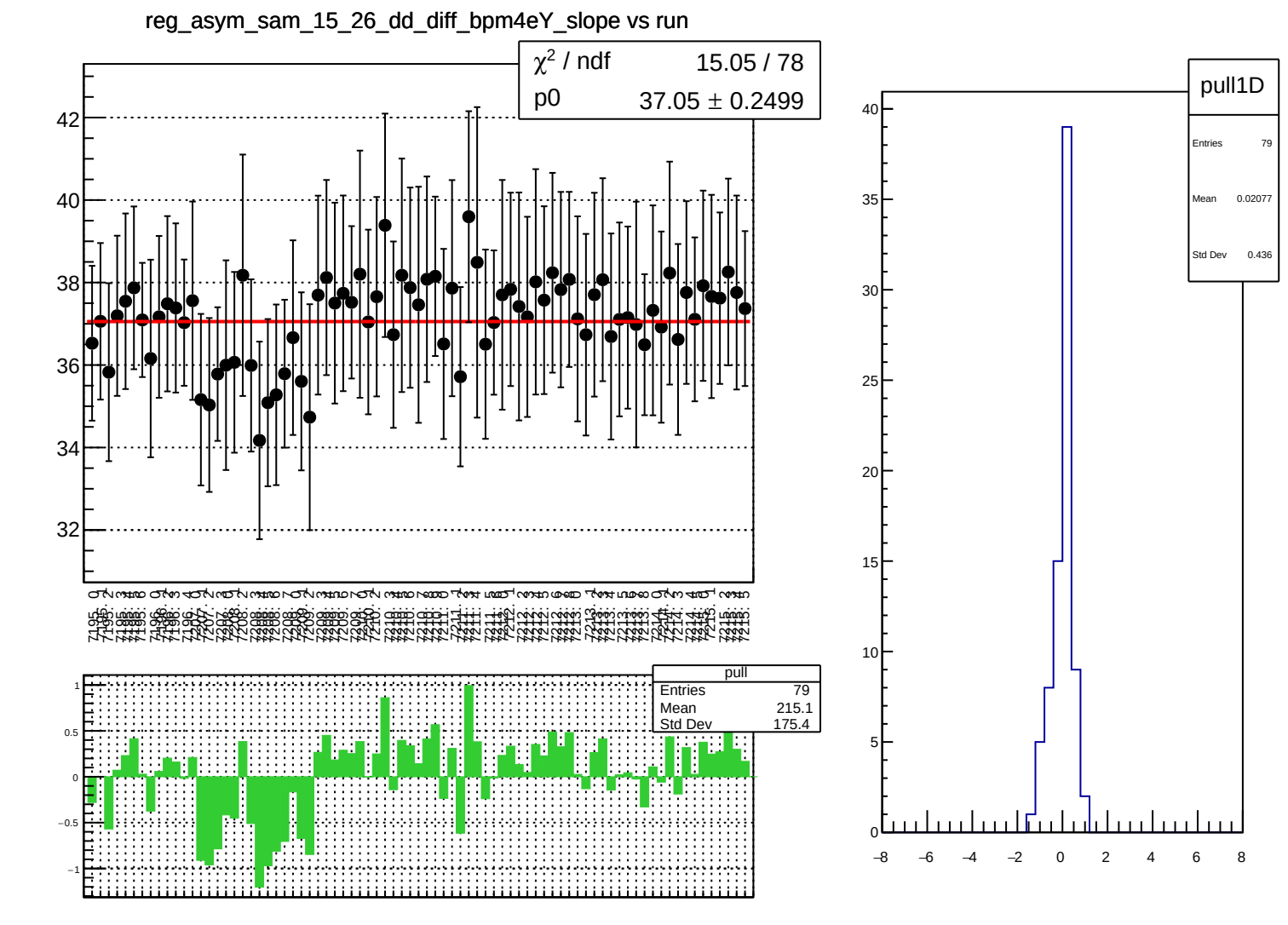

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 193.3 / 78
p0 0.2854 ± 0.01227
pull
Entries 79
Mean 190.8
Std Dev 163.5
pull1D
Entries 79
Mean 0.08999
Std Dev 1.562

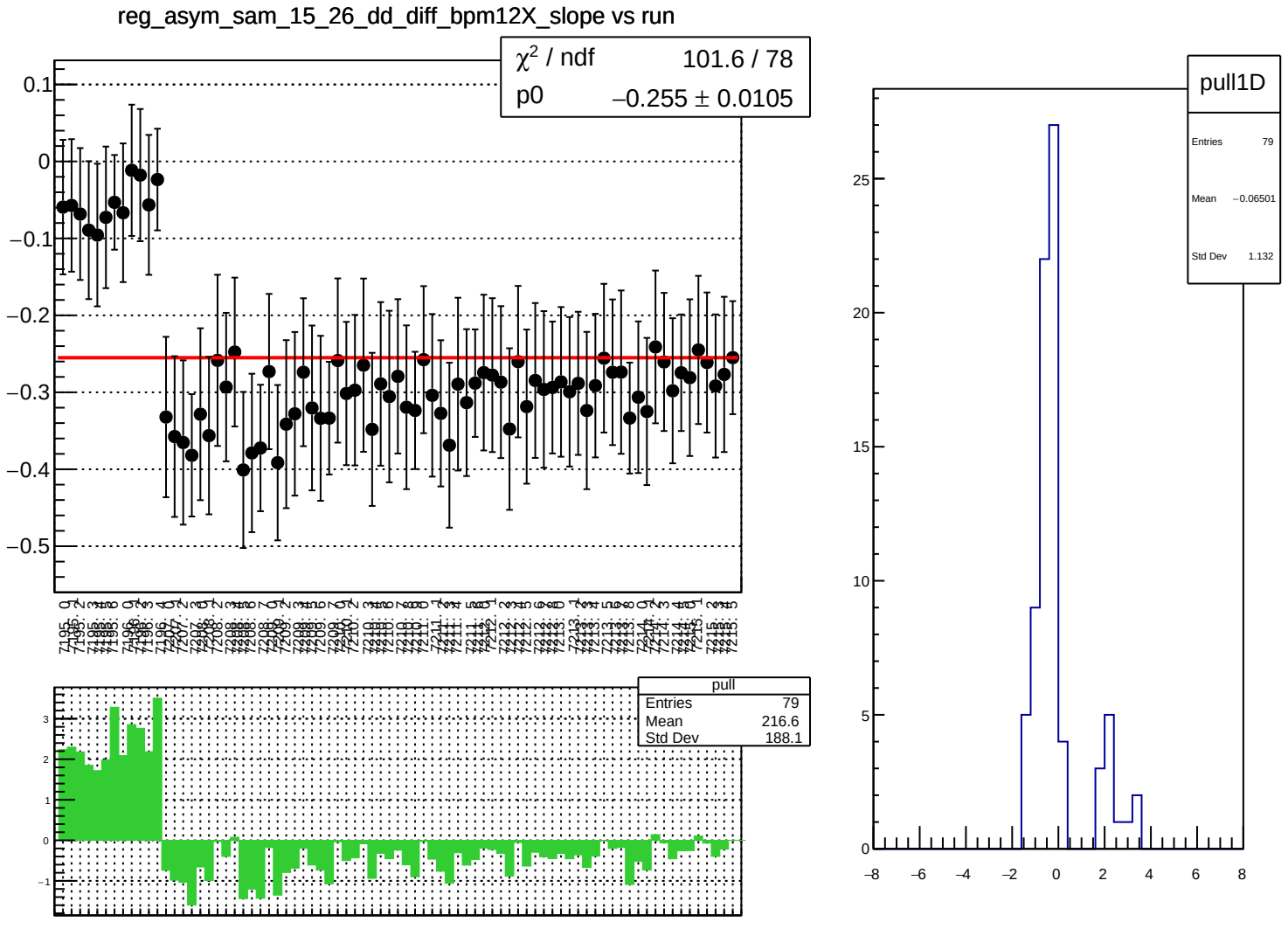

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 102.3 / 78
p0 0.9078 ± 0.296
pull
Entries 79
Mean 92.7
Std Dev 27.44

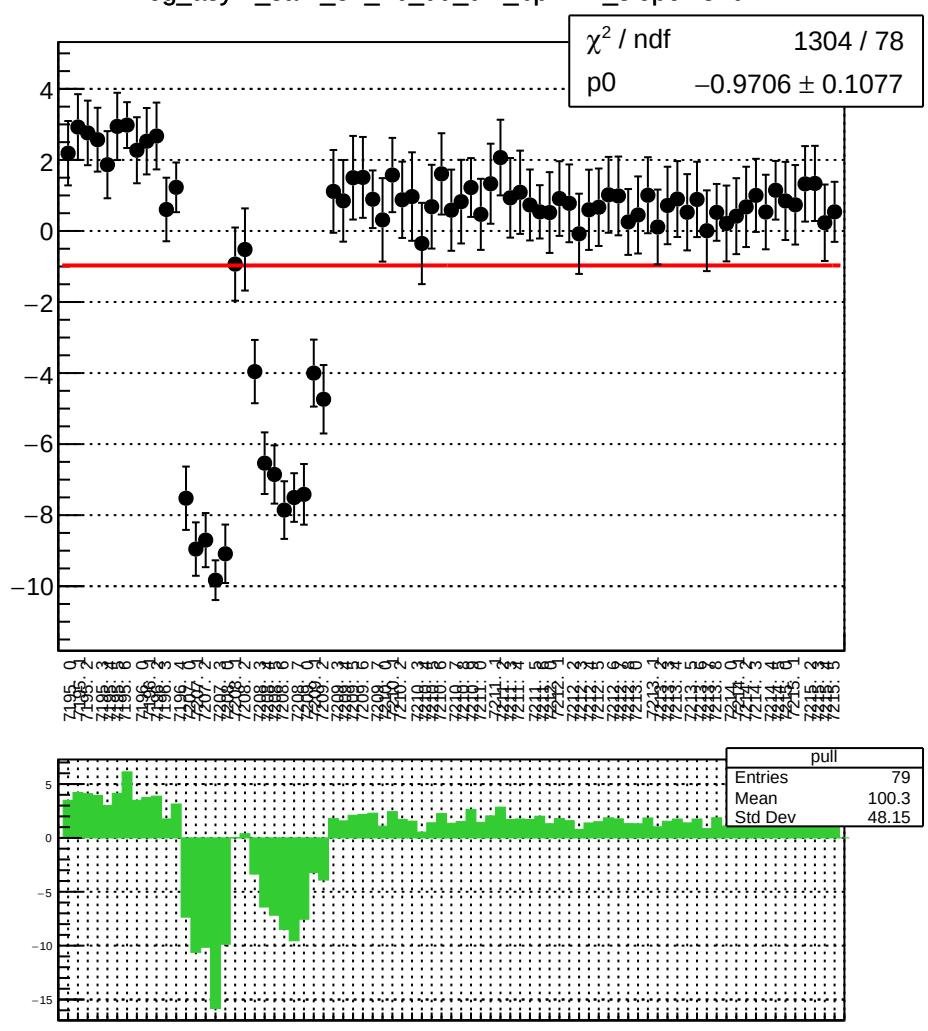

pull1D
Entries 79
Mean 0.08393
Std Dev 1.135

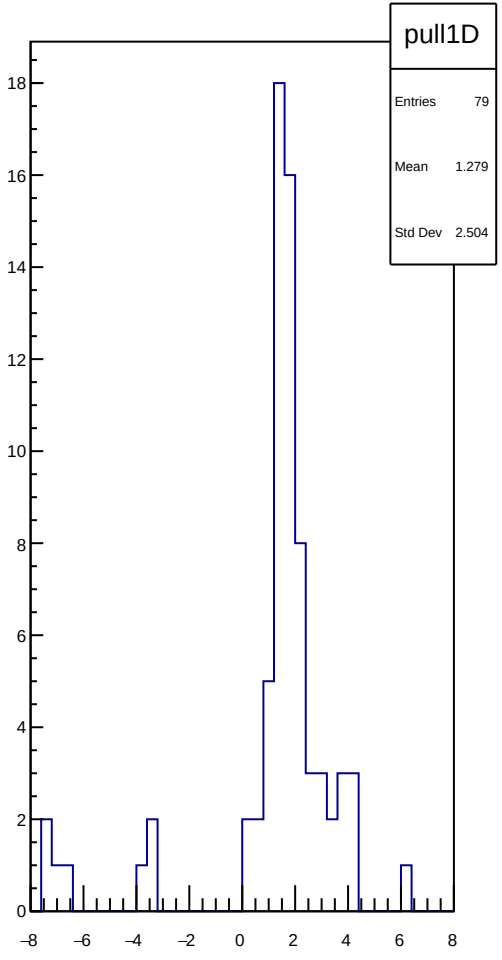

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 25.27 / 78
p0 −3.065 ± 0.2247
pull
Entries 79
Mean 8348
Std Dev 8307
pull1D
Entries 79
Mean −0.0006158
Std Dev 0.5656

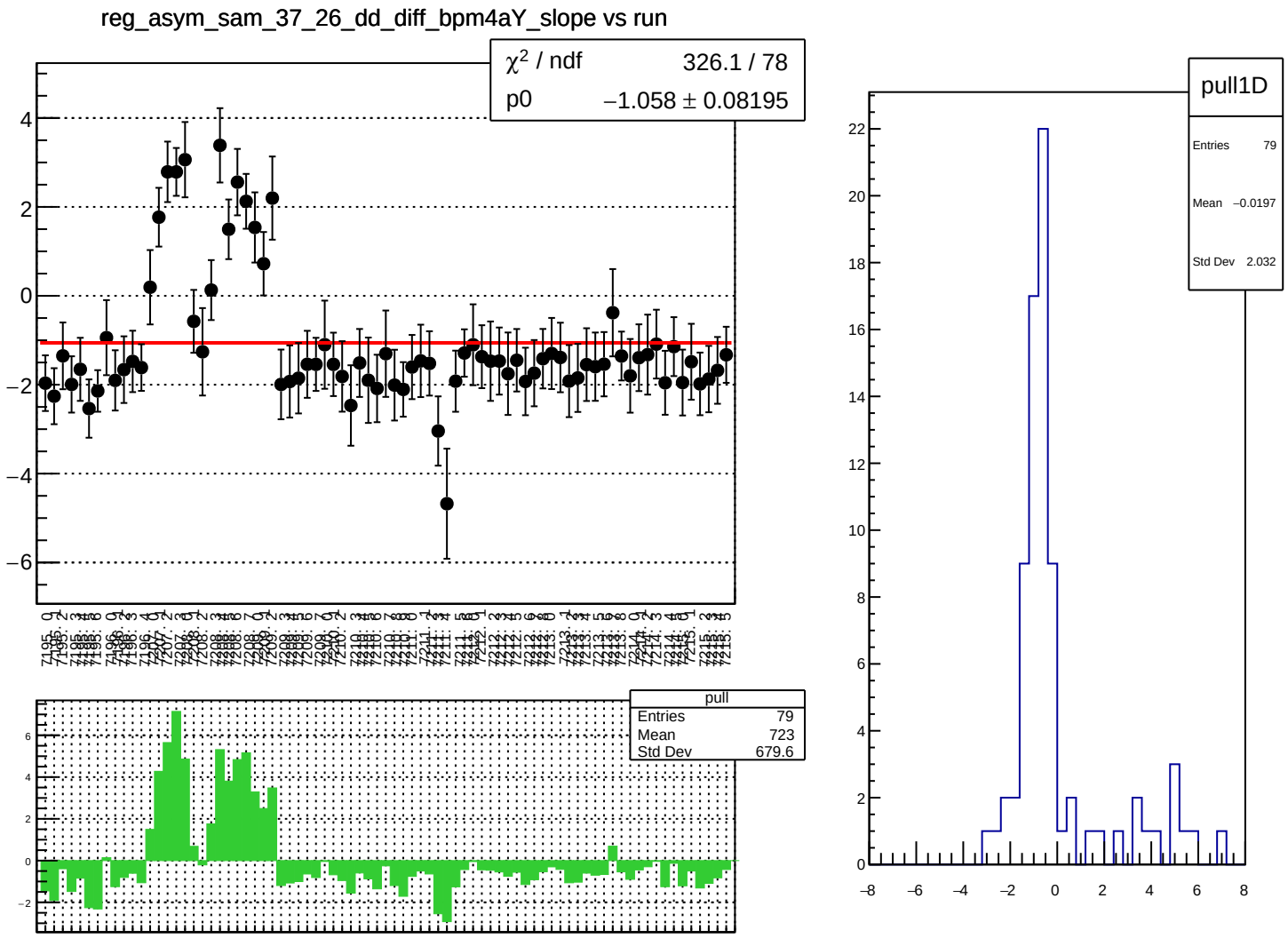

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 138.5 / 78
p0 14.97 ± 0.2979
pull
Entries 79
Mean 105.6
Std Dev 44.32
pull1D
Entries 79
Mean −0.09187
Std Dev 1.321

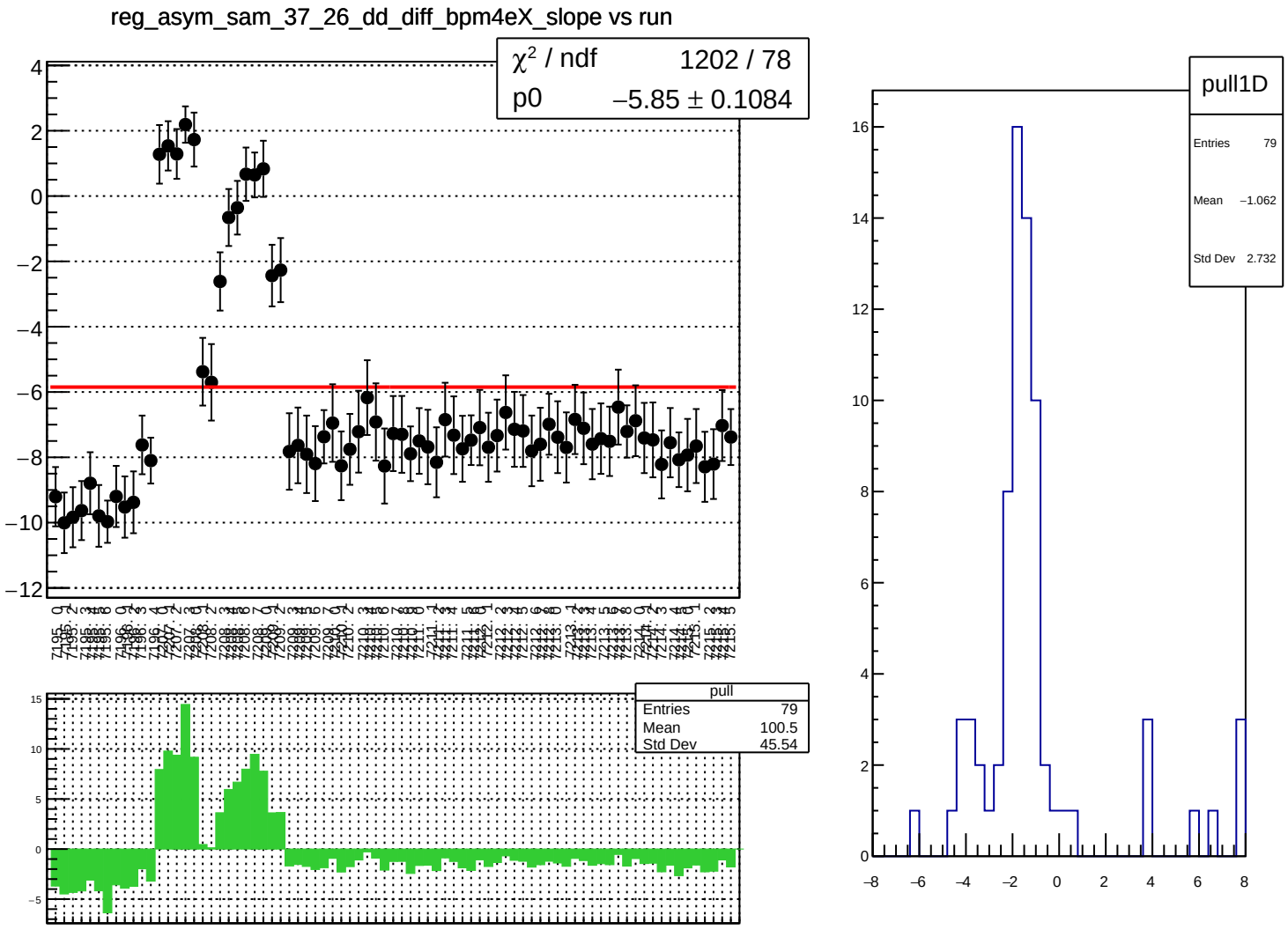

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.05 / 78
p0 37.05 ± 0.2499
pull
Entries 79
Mean 215.1
Std Dev 175.4
pull1D
Entries 79
Mean 0.02077
Std Dev 0.436

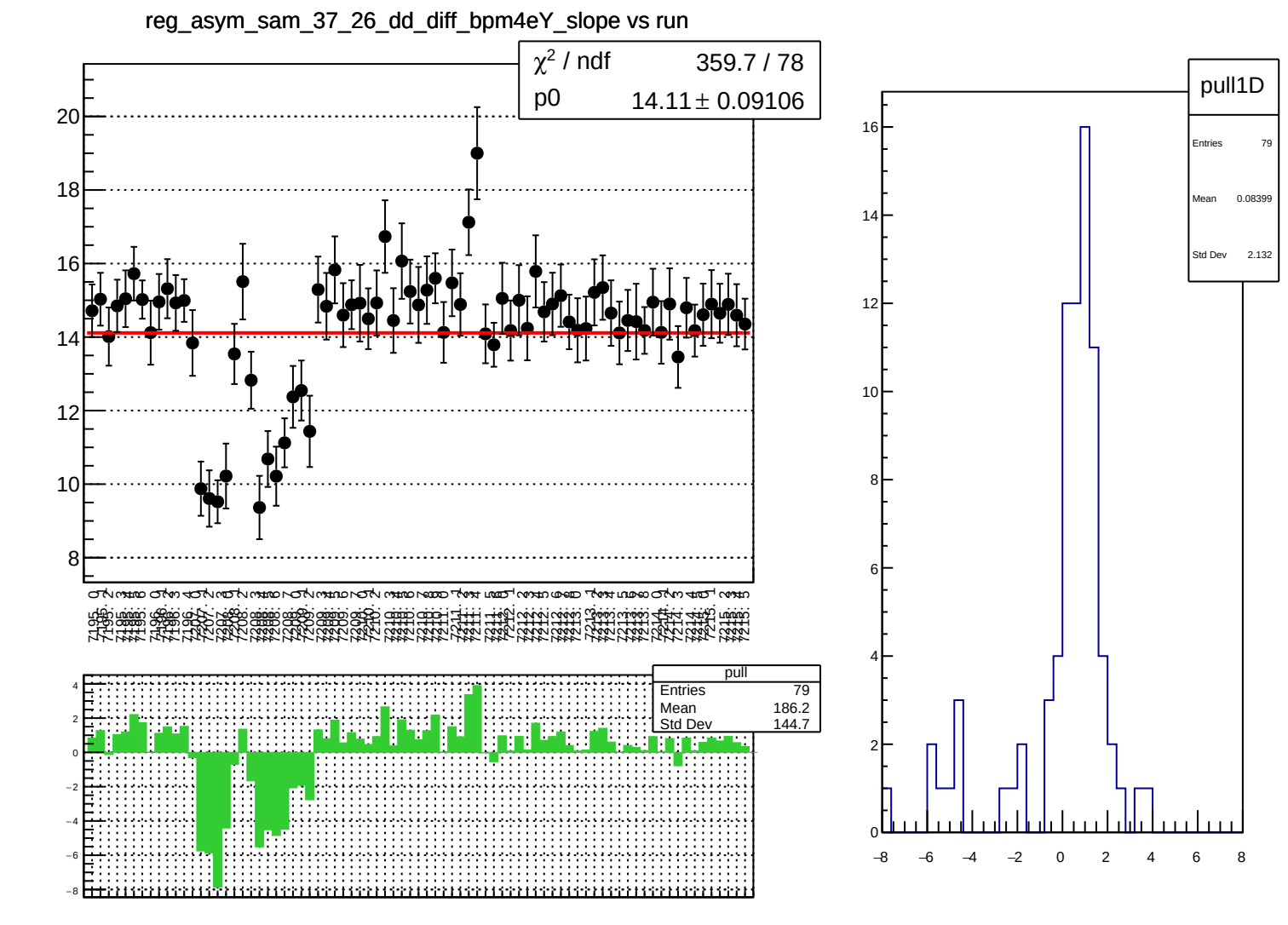

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 101.6 / 78
p0 −0.255 ± 0.0105
pull
Entries 79
Mean 216.6
Std Dev 188.1
pull1D
Entries 79
Mean −0.06501
Std Dev 1.132

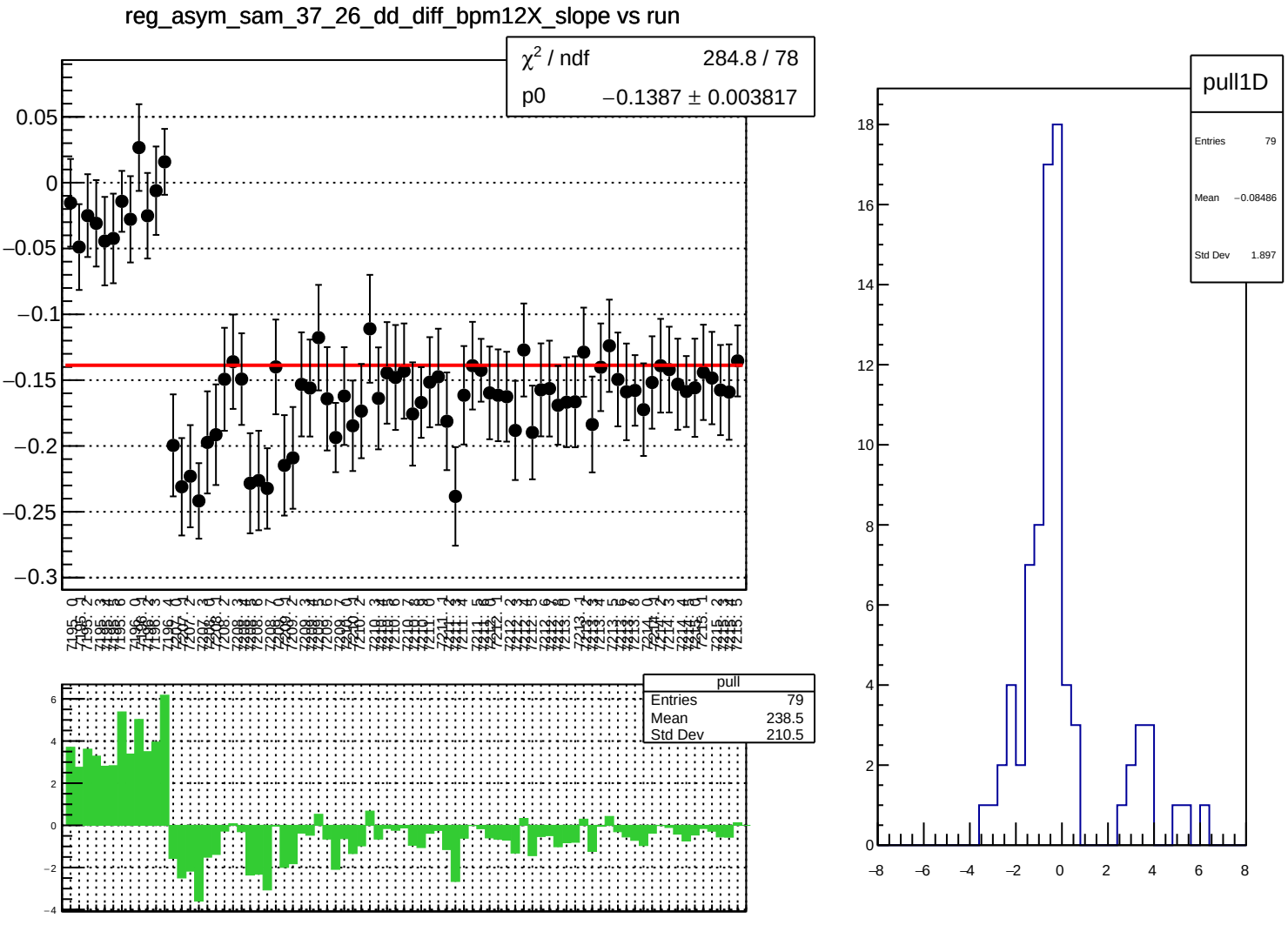

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 1304 / 78
p0 −0.9706 ± 0.1077
pull
Entries 79
Mean 100.3
Std Dev 48.15

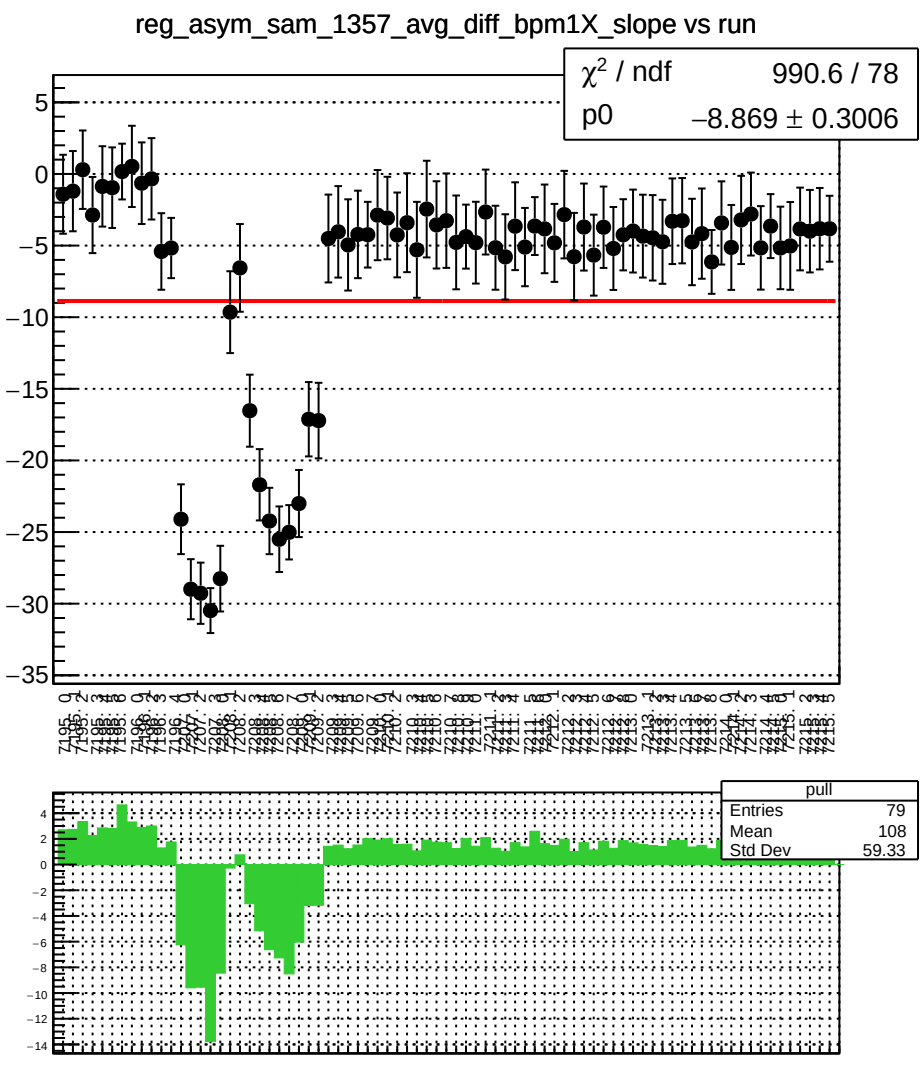

pull1D
Entries 79
Mean 1.279
Std Dev 2.504

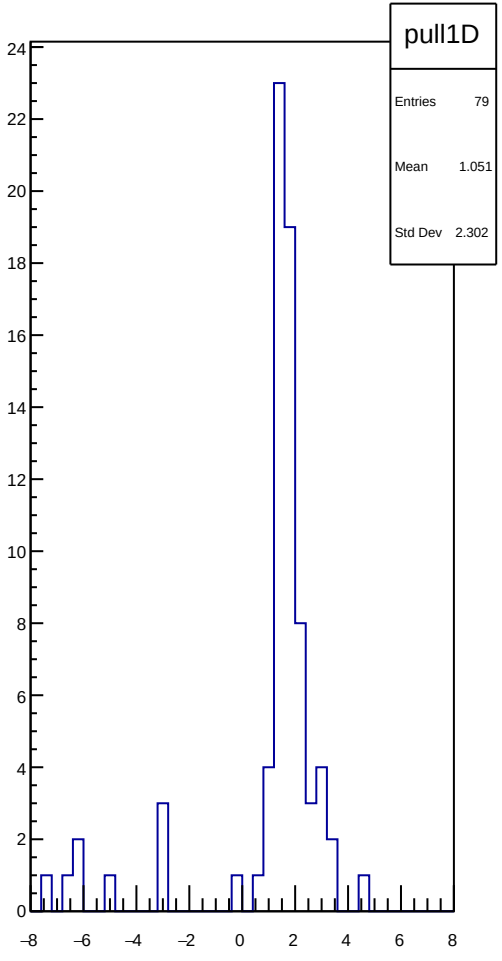

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 326.1 / 78
p0 −1.058 ± 0.08195
pull
Entries 79
Mean 723
Std Dev 679.6
pull1D
Entries 79
Mean −0.0197
Std Dev 2.032

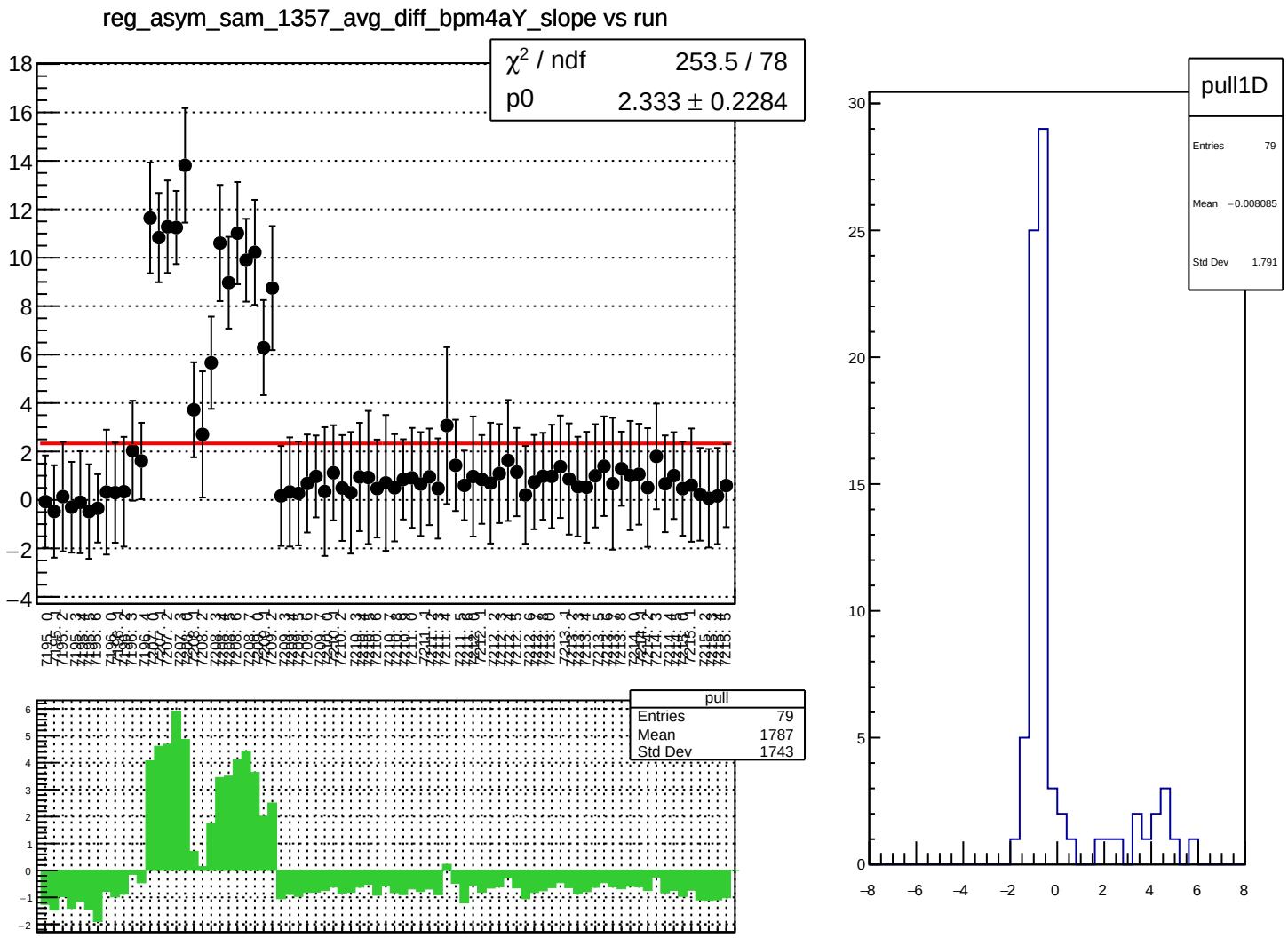

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 1202 / 78
p0 −5.85 ± 0.1084
pull
Entries 79
Mean 100.5
Std Dev 45.54
pull1D
Entries 79
Mean −1.062
Std Dev 2.732

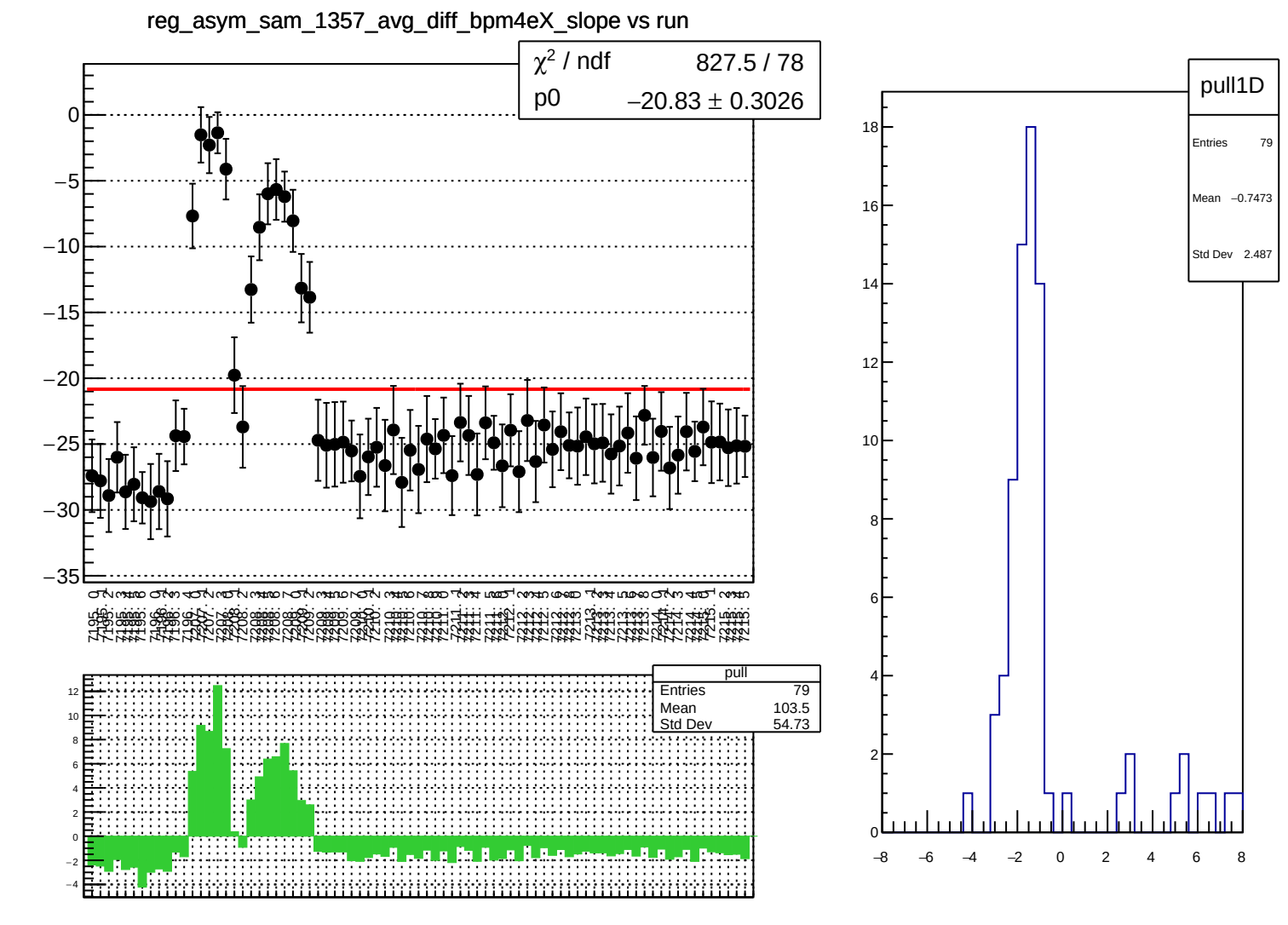

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 359.7 / 78
p0 14.11 ± 0.09106
pull
Entries 79
Mean 186.2
Std Dev 144.7
pull1D
Entries 79
Mean 0.08399
Std Dev 2.132

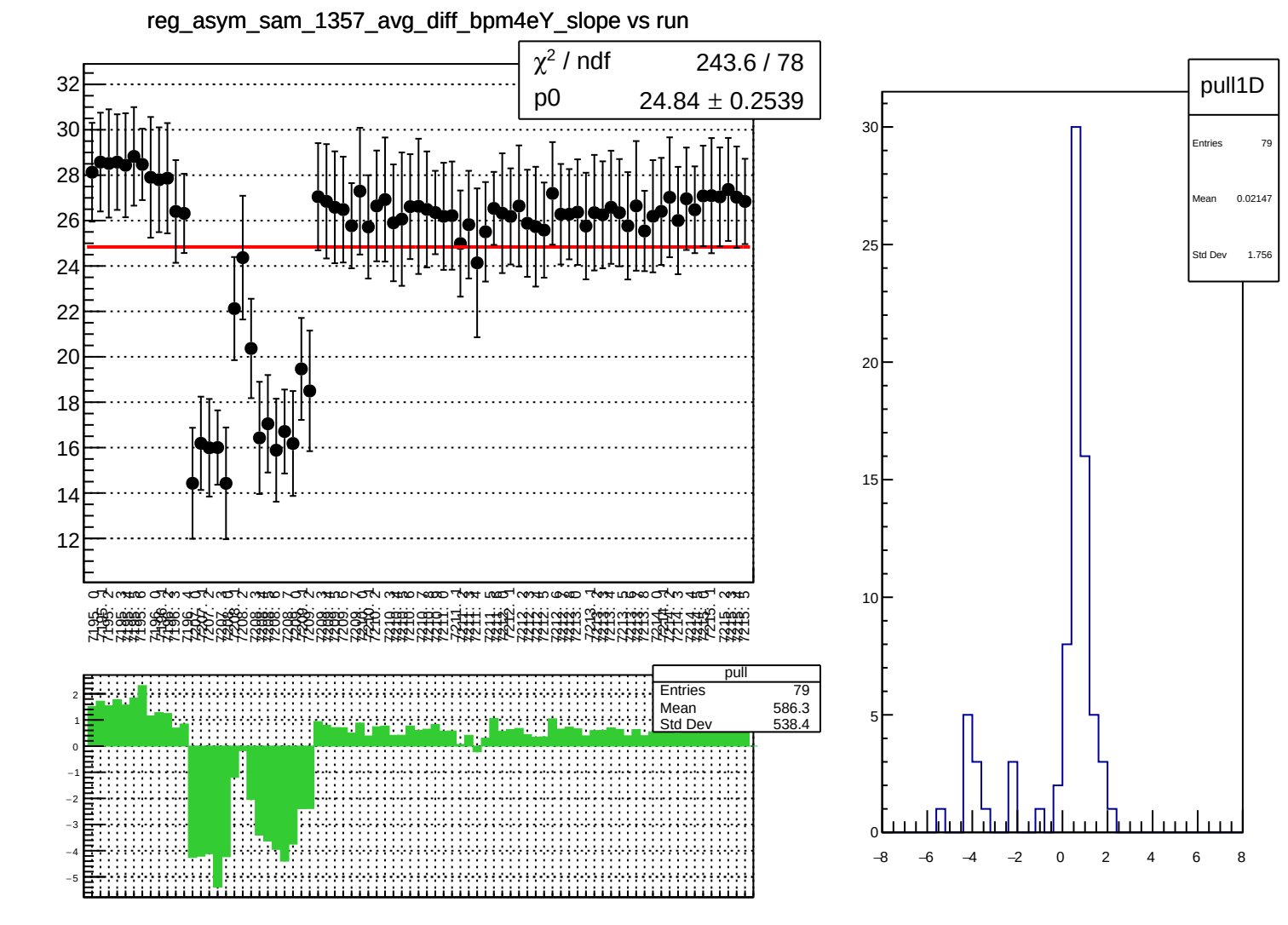

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 284.8 / 78
p0 −0.1387 ± 0.003817
pull
Entries 79
Mean 238.5
Std Dev 210.5
pull1D
Entries 79
Mean −0.08486
Std Dev 1.897

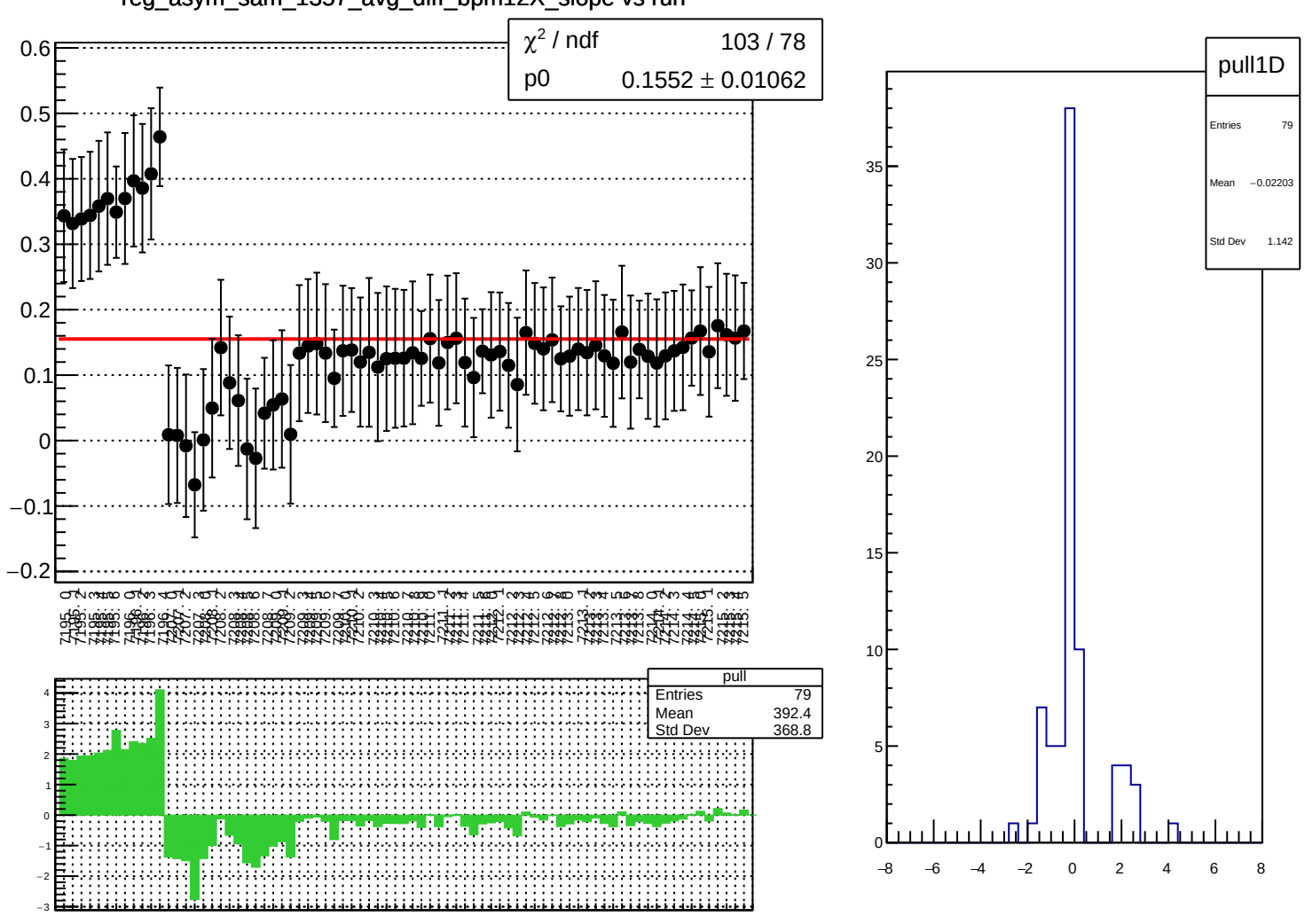

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 990.6 / 78
p0 −8.869 ± 0.3006
pull
Entries 79
Mean 108
Std Dev 59.33

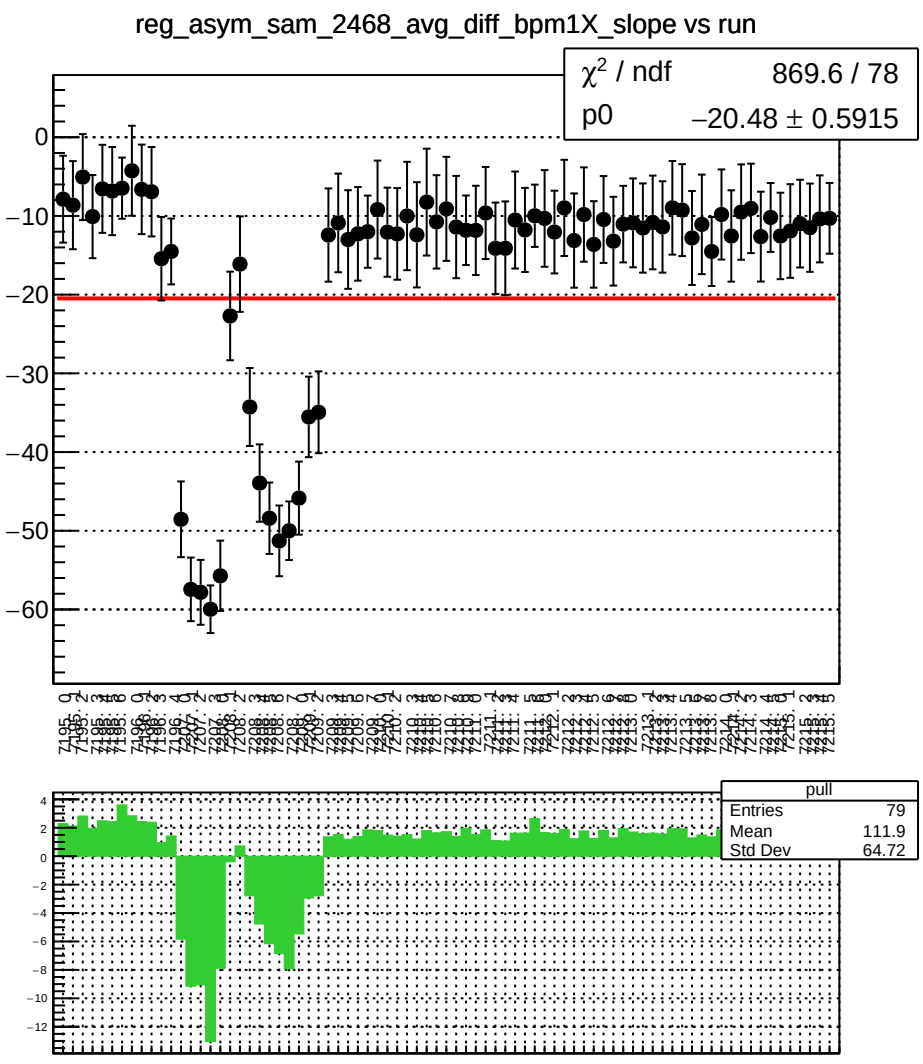

pull1D
Entries 79
Mean 1.051
Std Dev 2.302

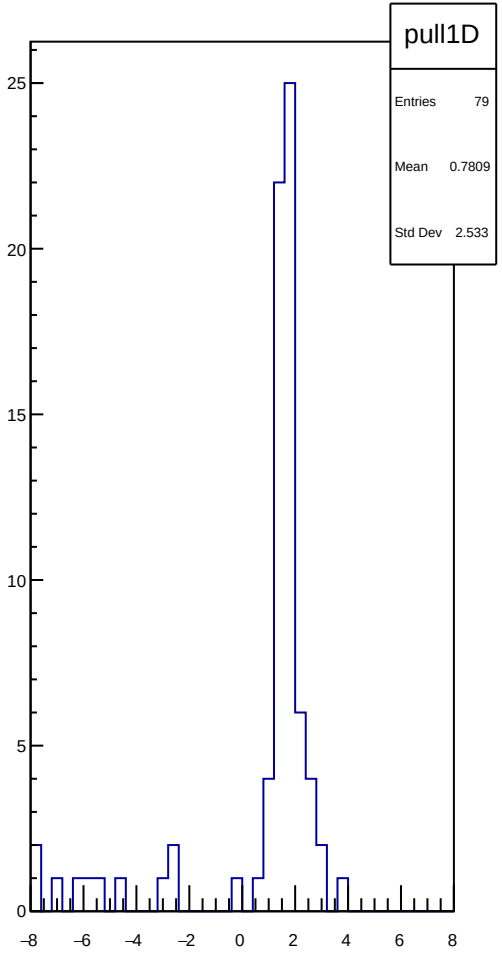

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 253.5 / 78
p0 2.333 ± 0.2284
pull
Entries 79
Mean 1787
Std Dev 1743
pull1D
Entries 79
Mean −0.008085
Std Dev 1.791

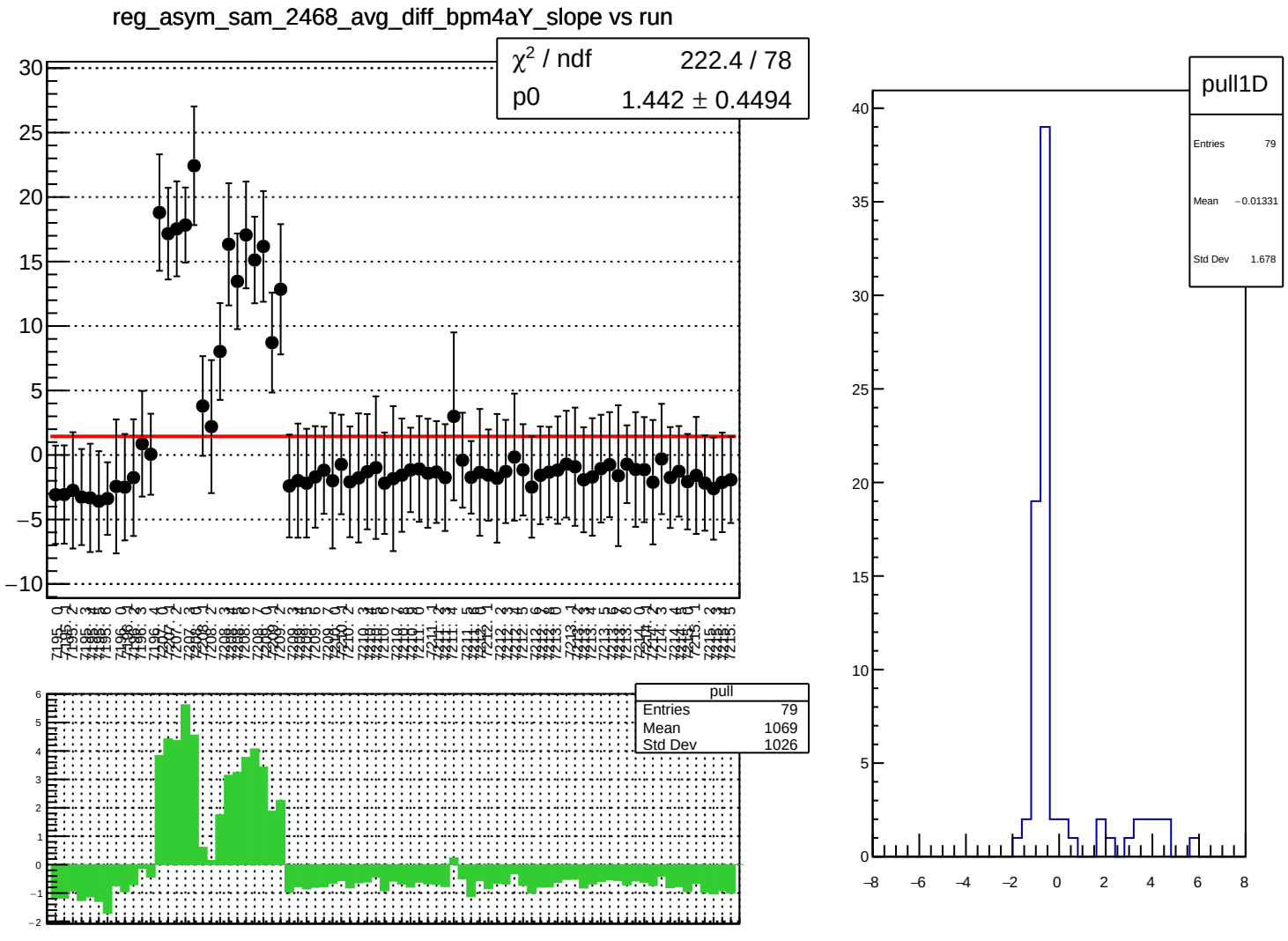

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 827.5 / 78
p0 −20.83 ± 0.3026
pull
Entries 79
Mean 103.5
Std Dev 54.73
pull1D
Entries 79
Mean −0.7473
Std Dev 2.487

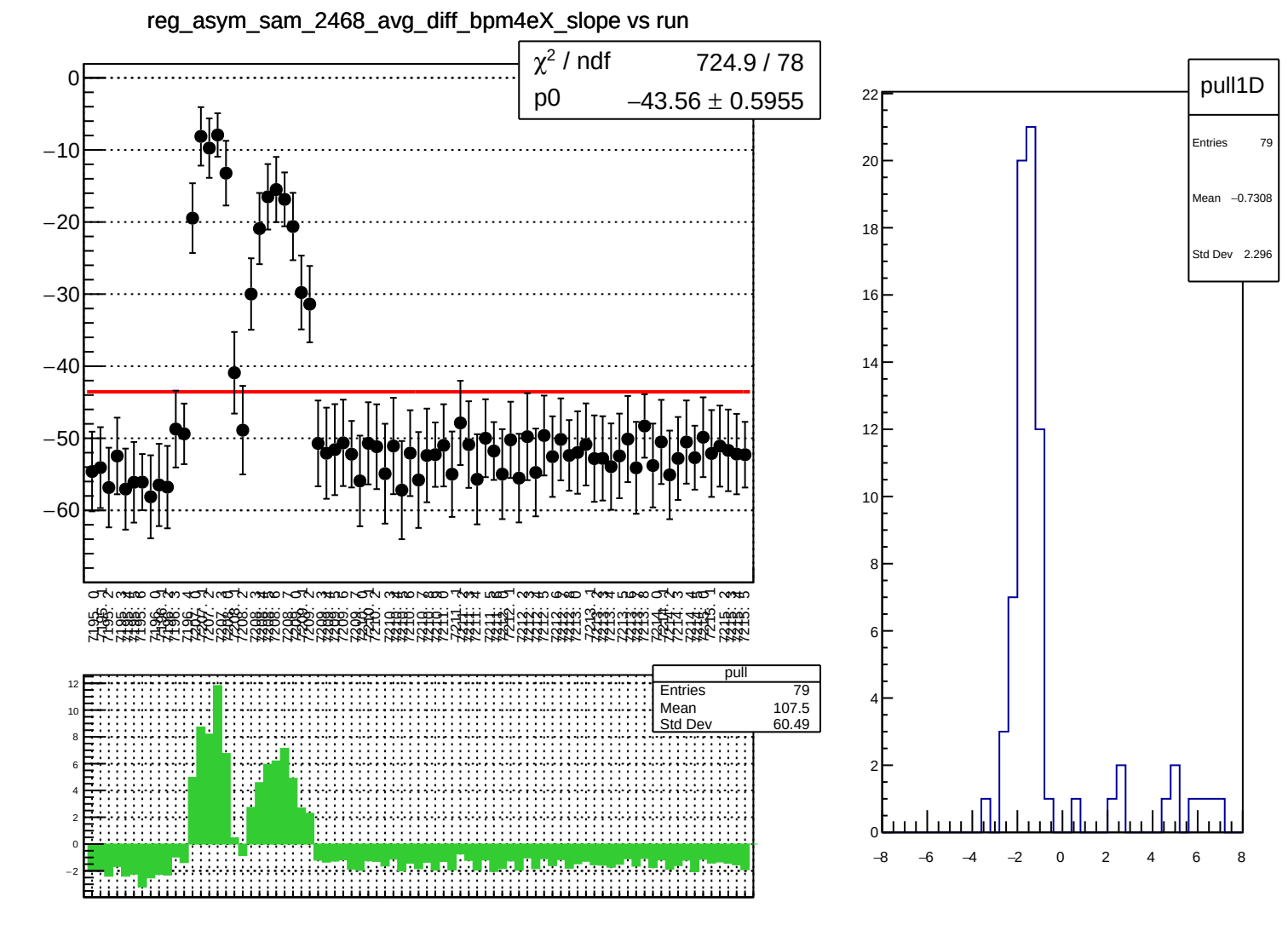

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 243.6 / 78
p0 24.84 ± 0.2539
pull
Entries 79
Mean 586.3
Std Dev 538.4
pull1D
Entries 79
Mean 0.02147
Std Dev 1.756

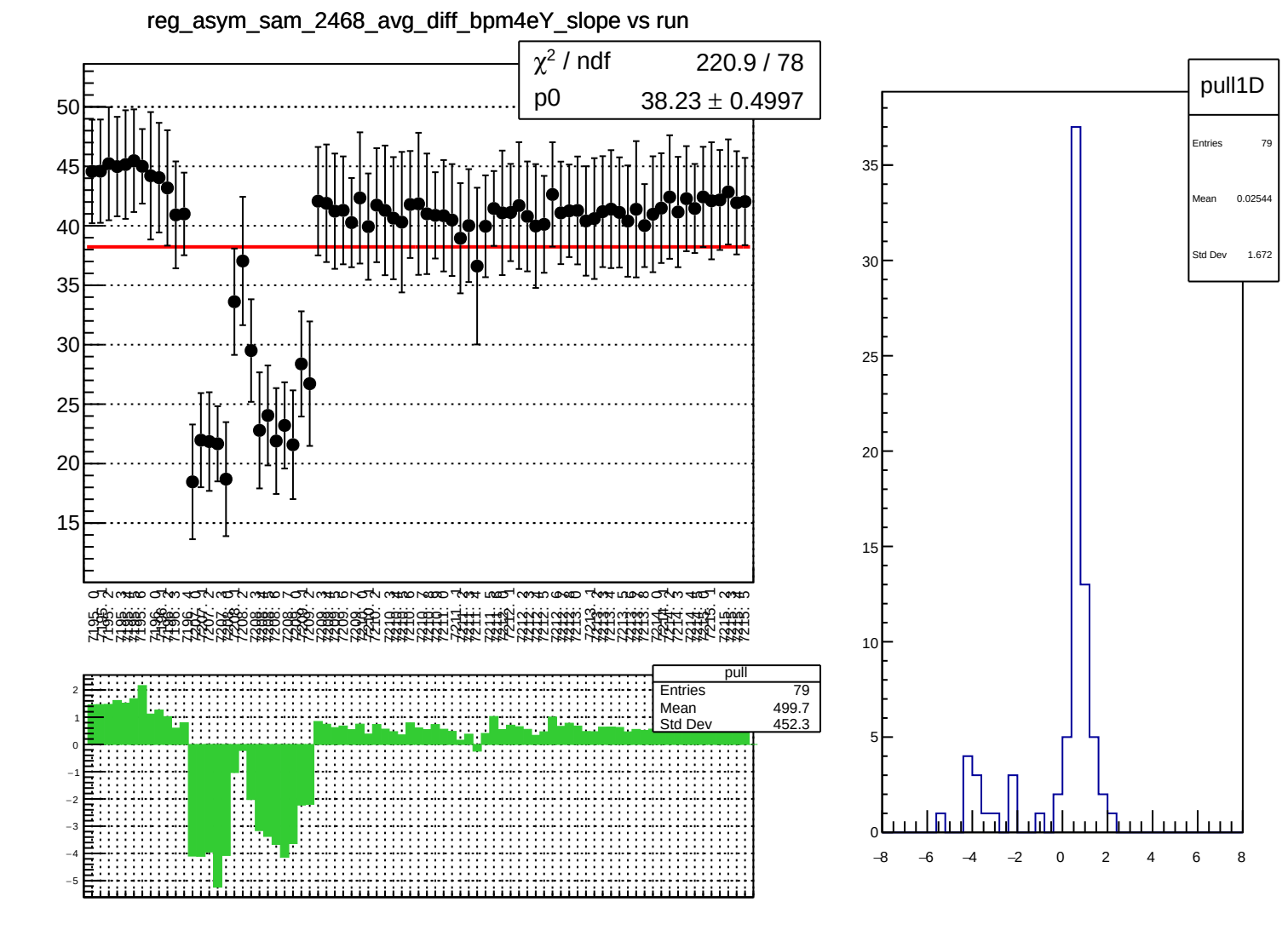

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 103 / 78
p0 0.1552 ± 0.01062
pull
Entries 79
Mean 392.4
Std Dev 368.8
pull1D
Entries 79
Mean −0.02203
Std Dev 1.142

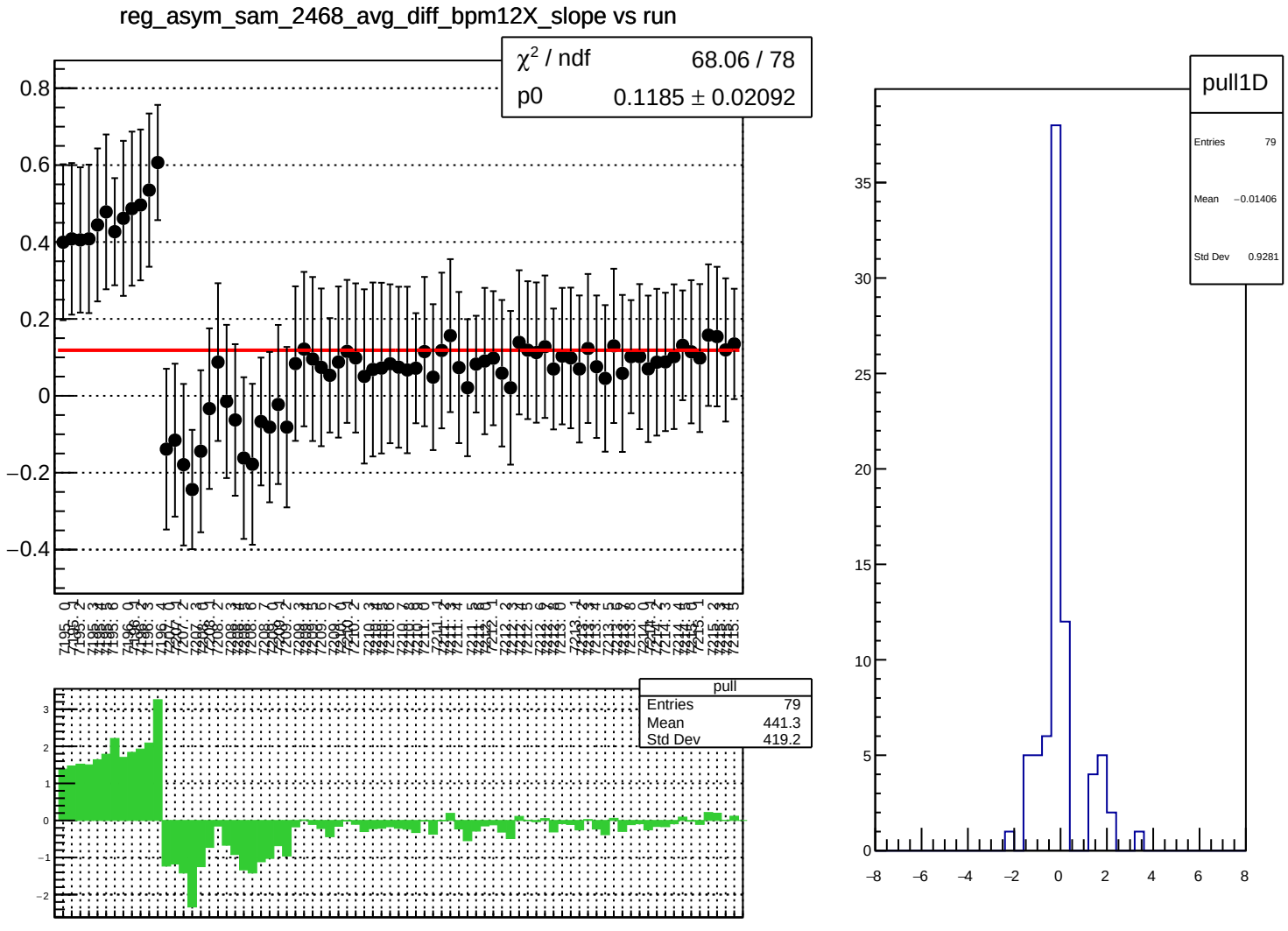

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 869.6 / 78
p0 −20.48 ± 0.5915
pull
Entries 79
Mean 111.9
Std Dev 64.72

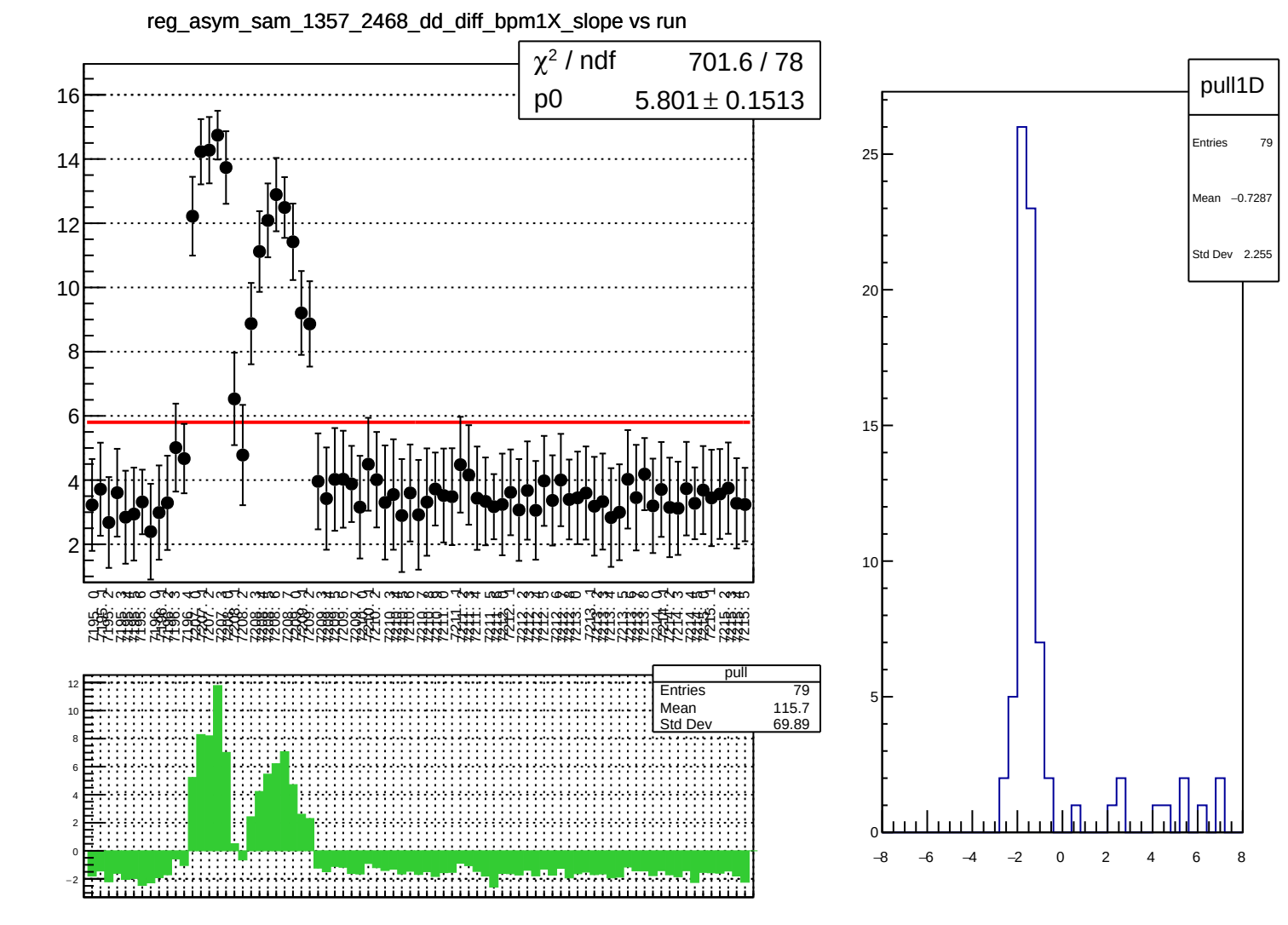

pull1D
Entries 79
Mean 0.7809
Std Dev 2.533

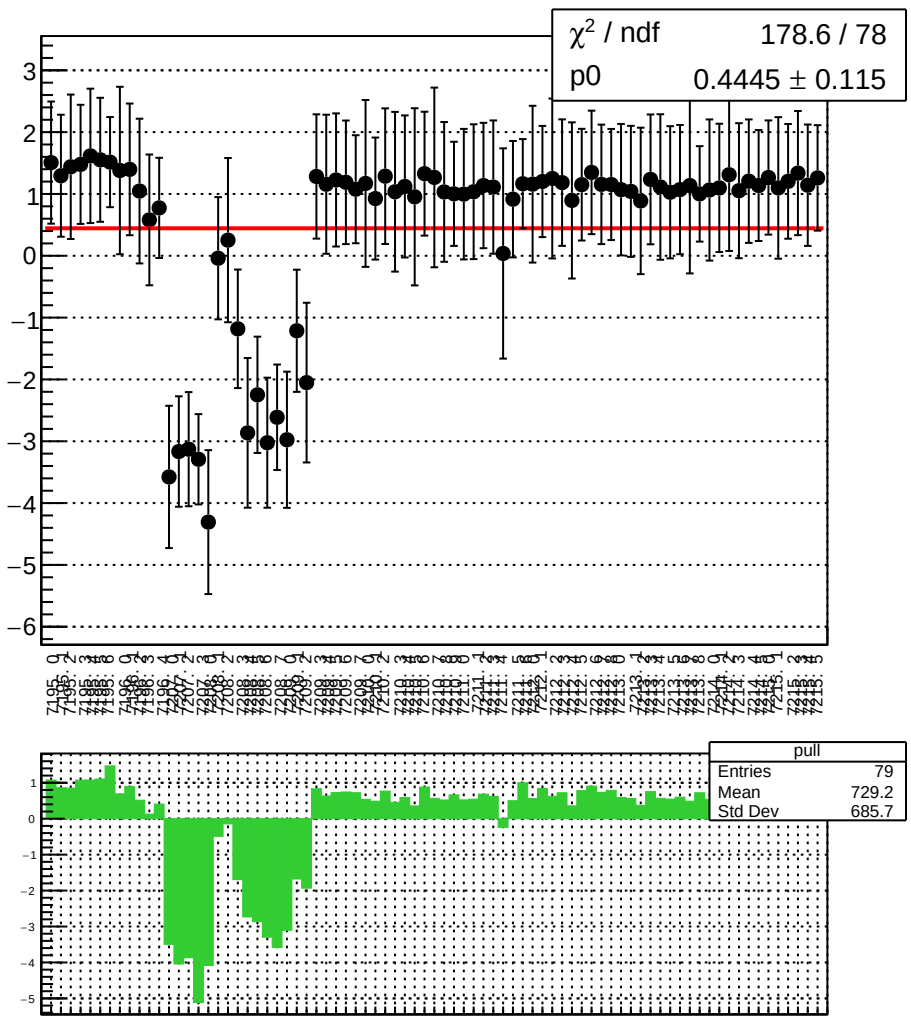

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 222.4 / 78
p0 1.442 ± 0.4494
pull
Entries 79
Mean 1069
Std Dev 1026
pull1D
Entries 79
Mean −0.01331
Std Dev 1.678

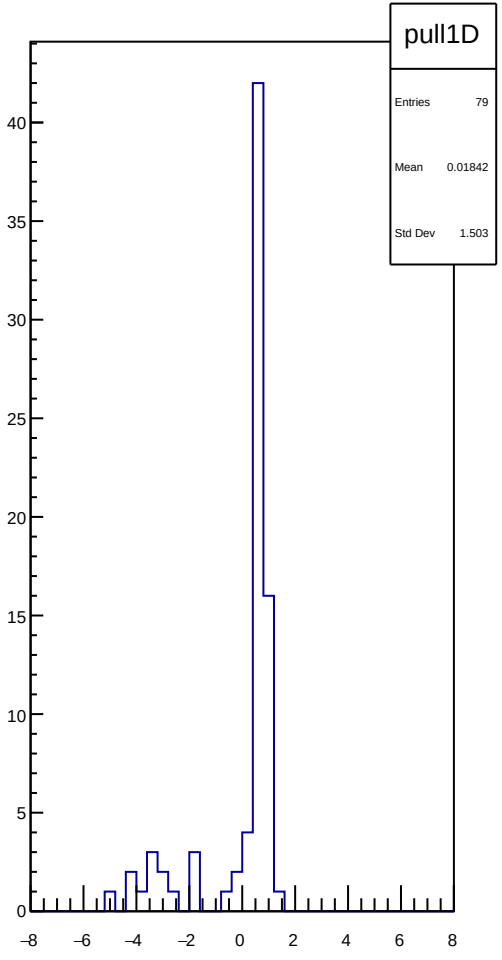

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 724.9 / 78
p0 −43.56 ± 0.5955
pull
Entries 79
Mean 107.5
Std Dev 60.49
pull1D
Entries 79
Mean −0.7308
Std Dev 2.296

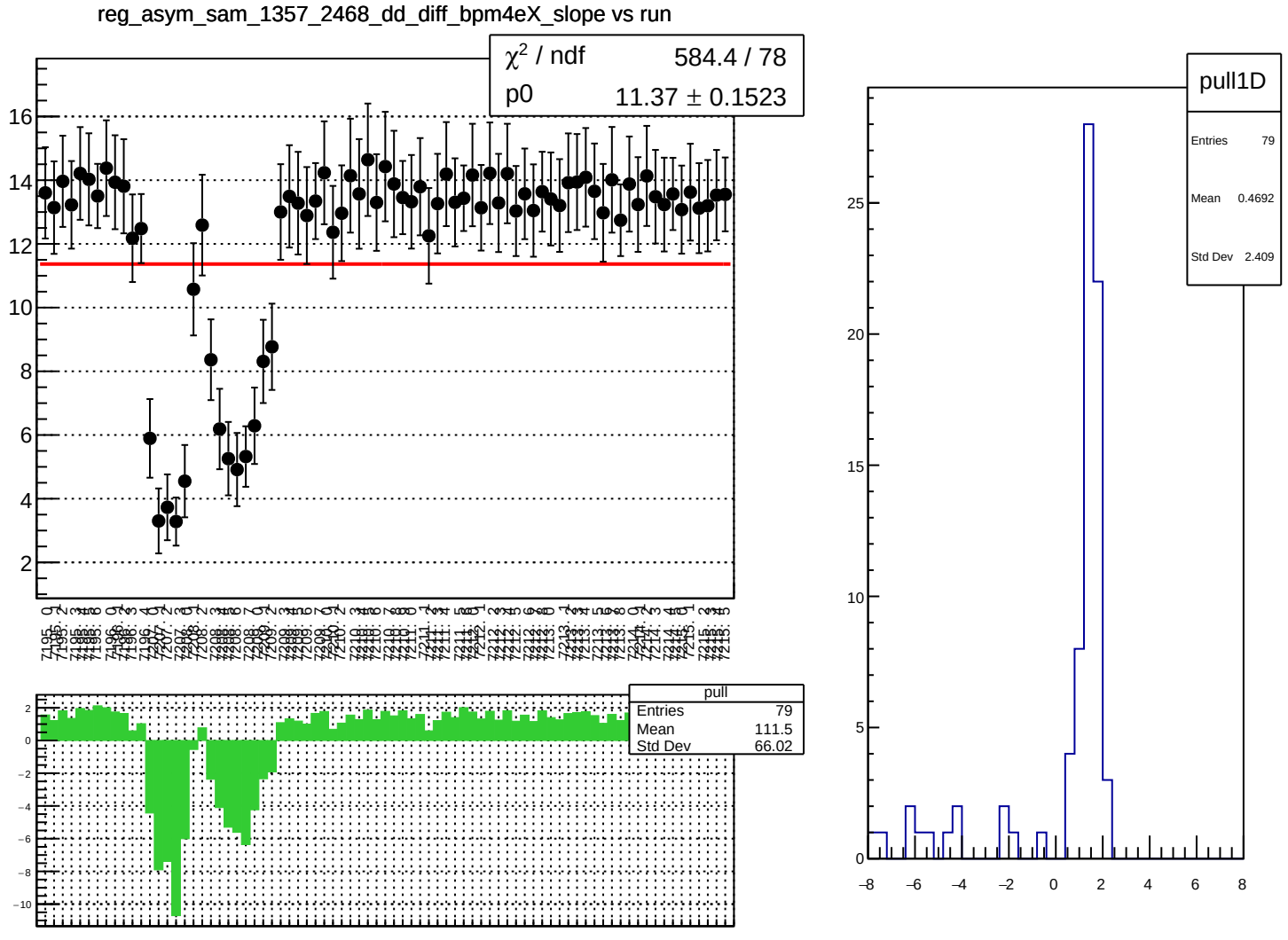

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 220.9 / 78
p0 38.23 ± 0.4997
pull
Entries 79
Mean 499.7
Std Dev 452.3
pull1D
Entries 79
Mean 0.02544
Std Dev 1.672

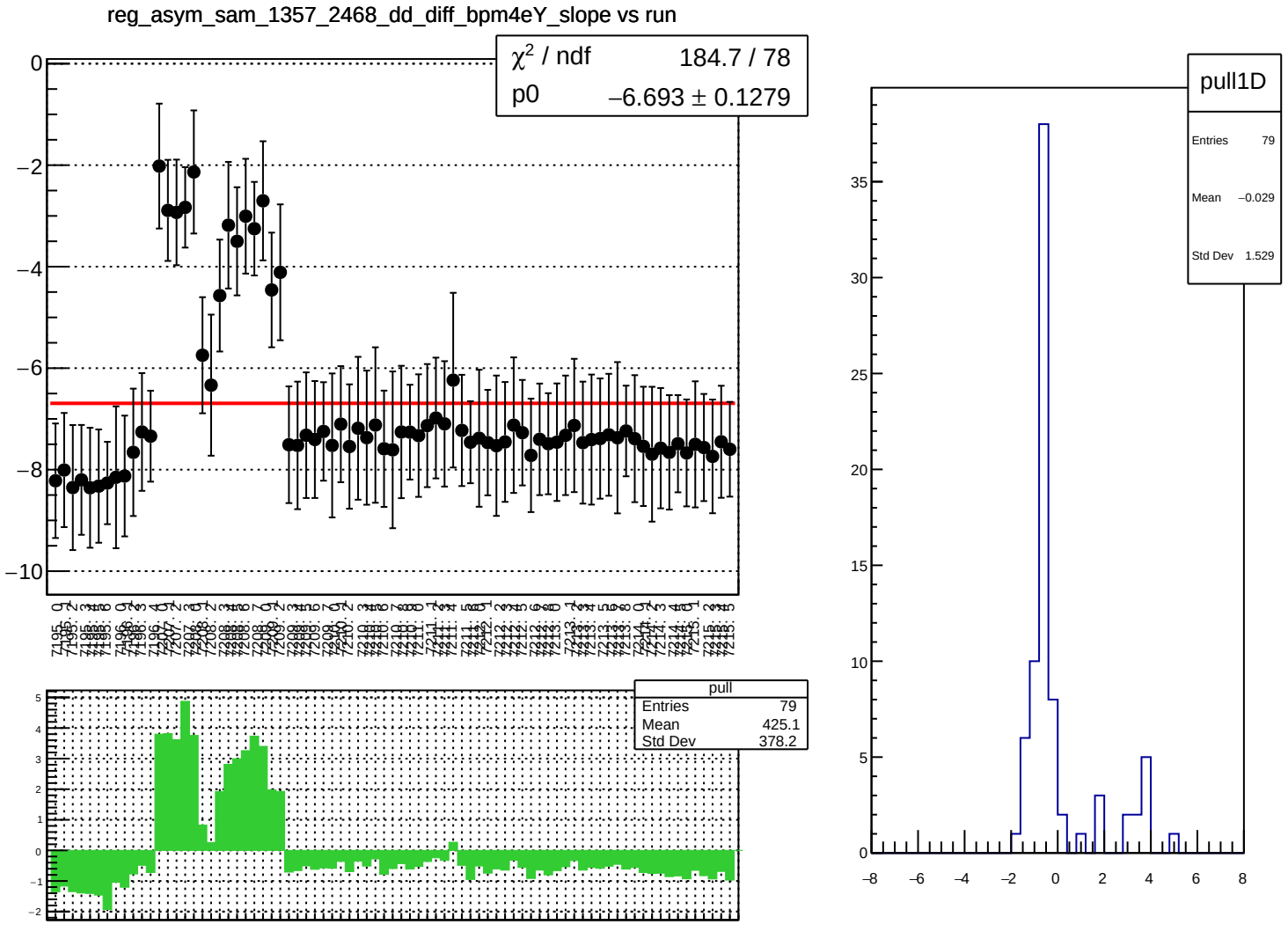

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 68.06 / 78
p0 0.1185 ± 0.02092
pull
Entries 79
Mean 441.3
Std Dev 419.2
pull1D
Entries 79
Mean −0.01406
Std Dev 0.9281

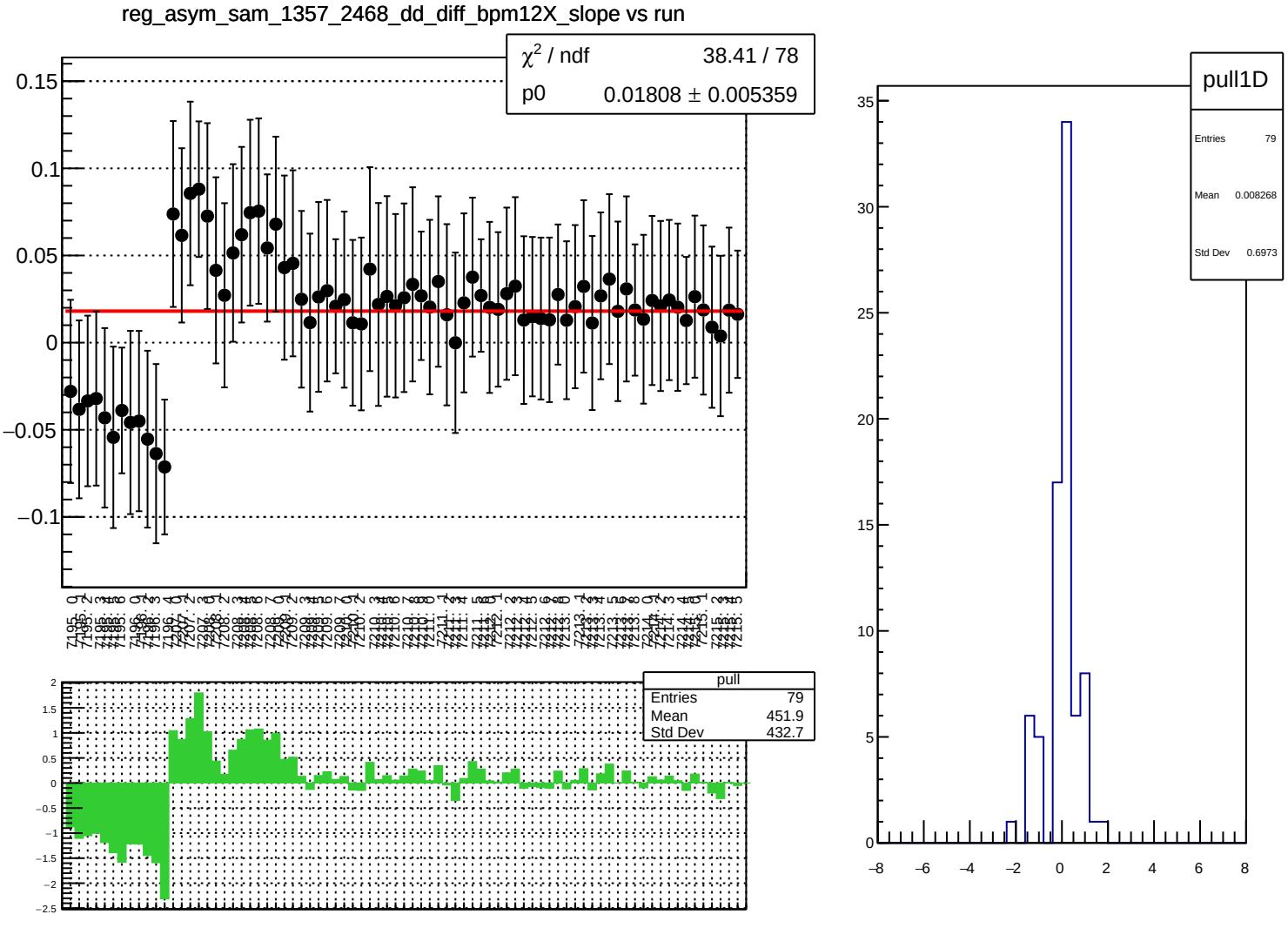

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 701.6 / 78
p0 5.801 ± 0.1513
pull
Entries 79
Mean 115.7
Std Dev 69.89
pull1D
Entries 79
Mean −0.7287
Std Dev 2.255

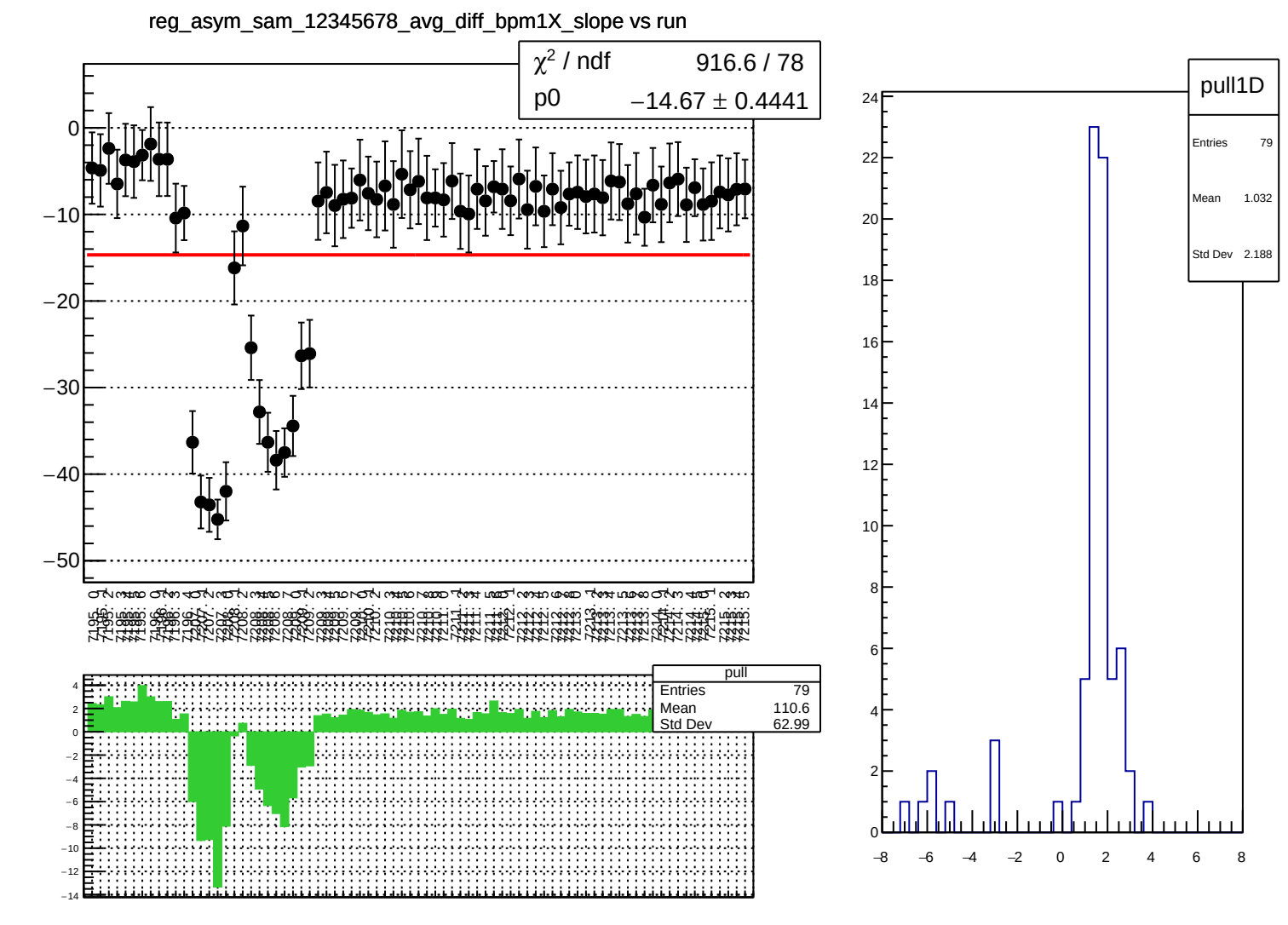

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 178.6 / 78
p0 0.4445 ± 0.115
pull
Entries 79
Mean 729.2
Std Dev 685.7

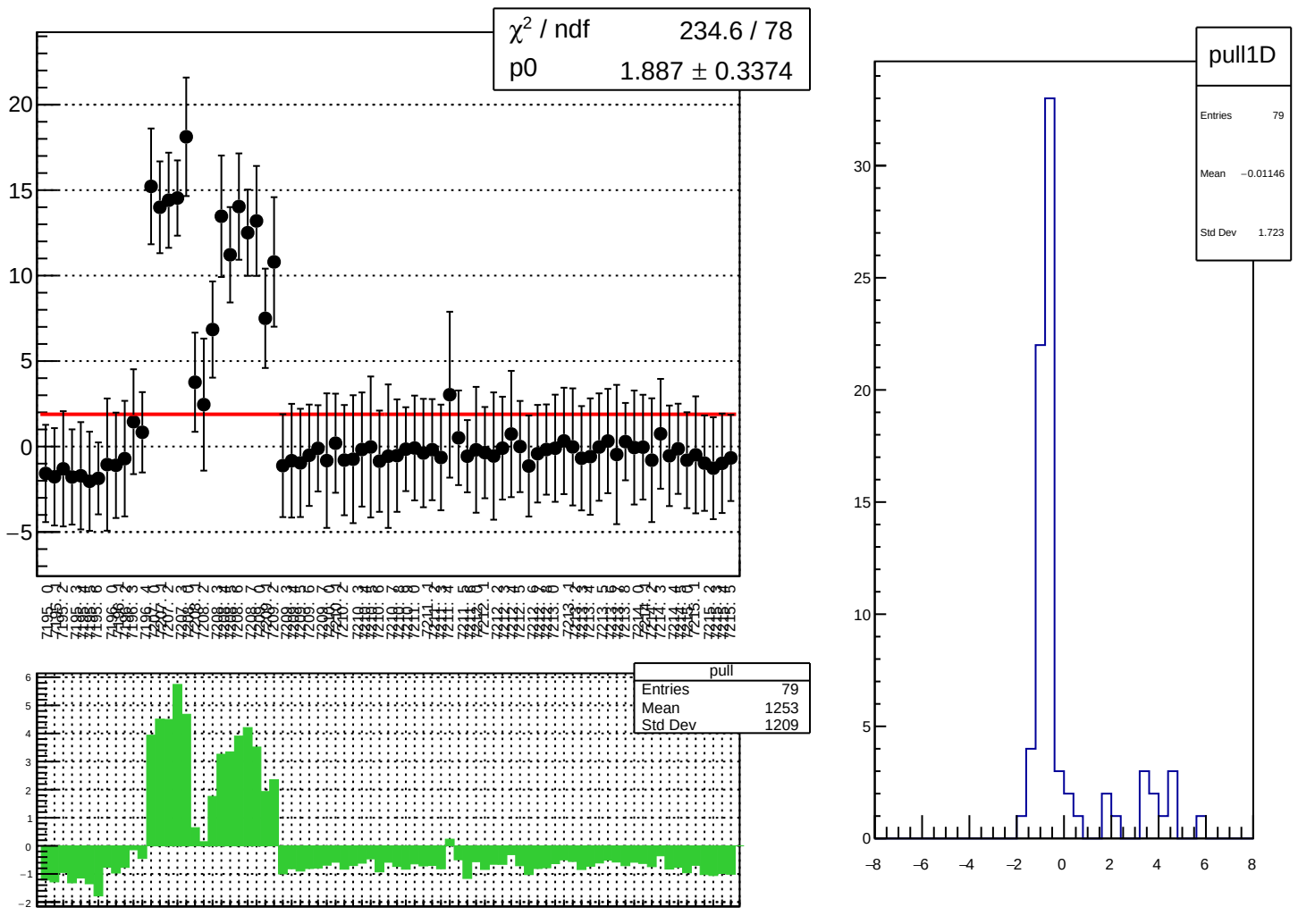

pull1D
Entries 79
Mean 0.01842
Std Dev 1.503

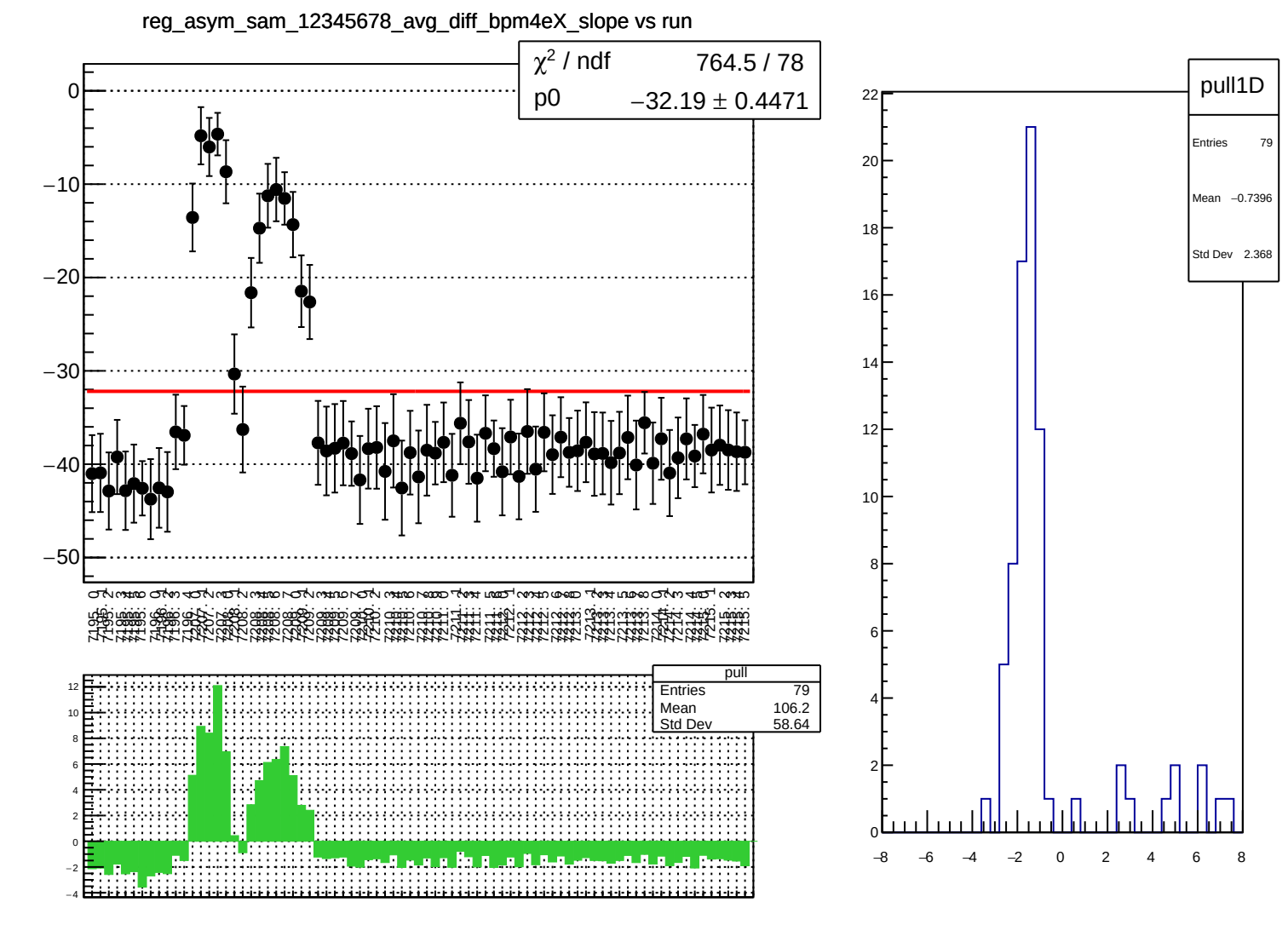

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 584.4 / 78
p0 11.37 ± 0.1523
pull
Entries 79
Mean 111.5
Std Dev 66.02
pull1D
Entries 79
Mean 0.4692
Std Dev 2.409

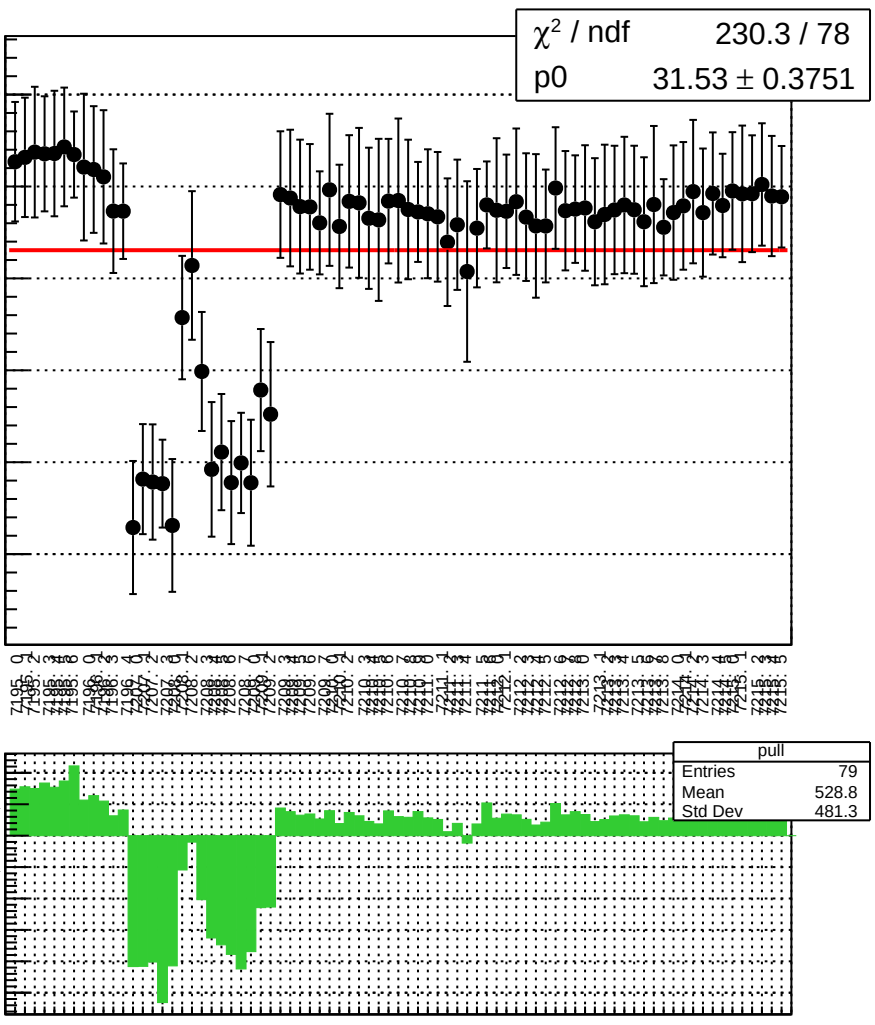

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 184.7 / 78
p0 −6.693 ± 0.1279
pull
Entries 79
Mean 425.1
Std Dev 378.2
pull1D
Entries 79
Mean −0.029
Std Dev 1.529

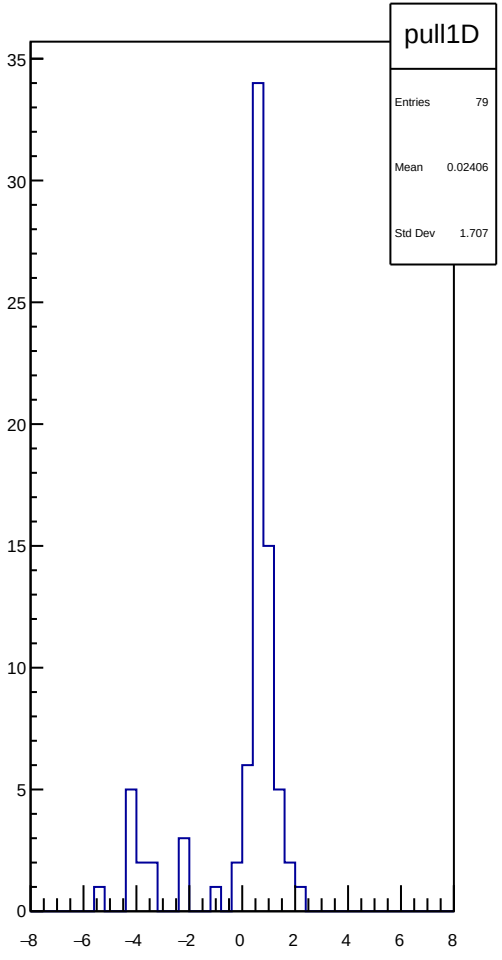

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 38.41 / 78
p0 0.01808 ± 0.005359
pull
Entries 79
Mean 451.9
Std Dev 432.7
pull1D
Entries 79
Mean 0.008268
Std Dev 0.6973

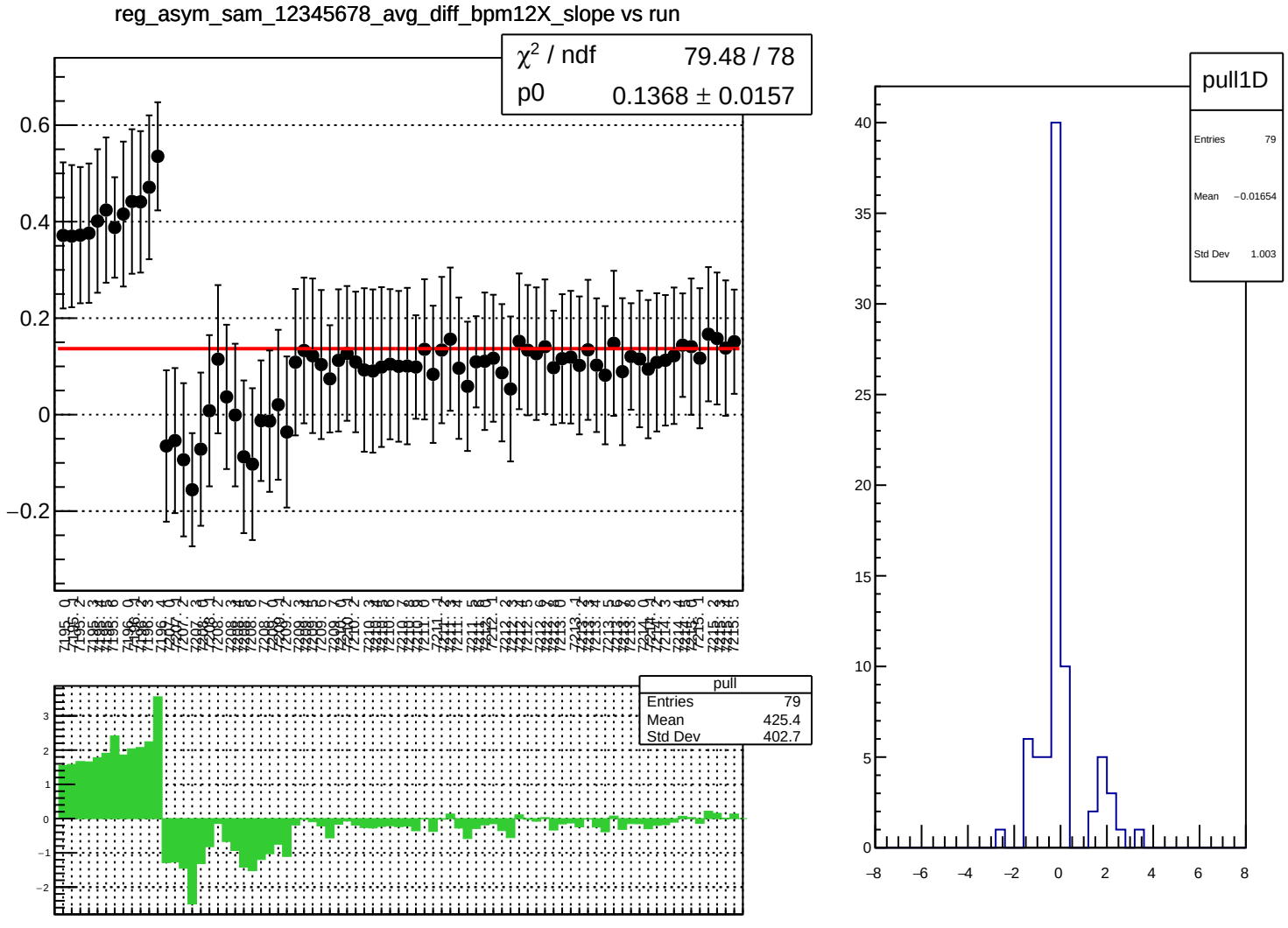

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 916.6 / 78
p0 −14.67 ± 0.4441
pull
Entries 79
Mean 110.6
Std Dev 62.99
pull1D
Entries 79
Mean 1.032
Std Dev 2.188

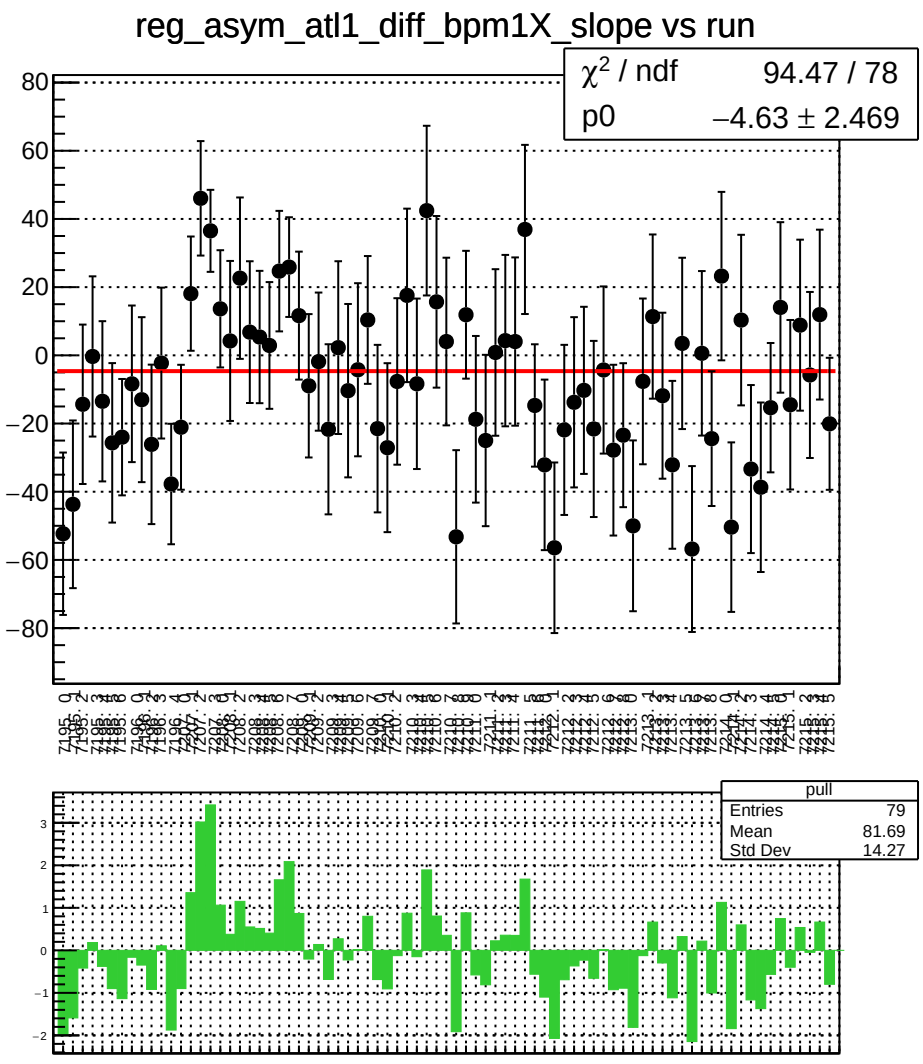

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 234.6 / 78
p0 1.887 ± 0.3374
pull
Entries 79
Mean 1253
Std Dev 1209
pull1D
Entries 79
Mean −0.01146
Std Dev 1.723

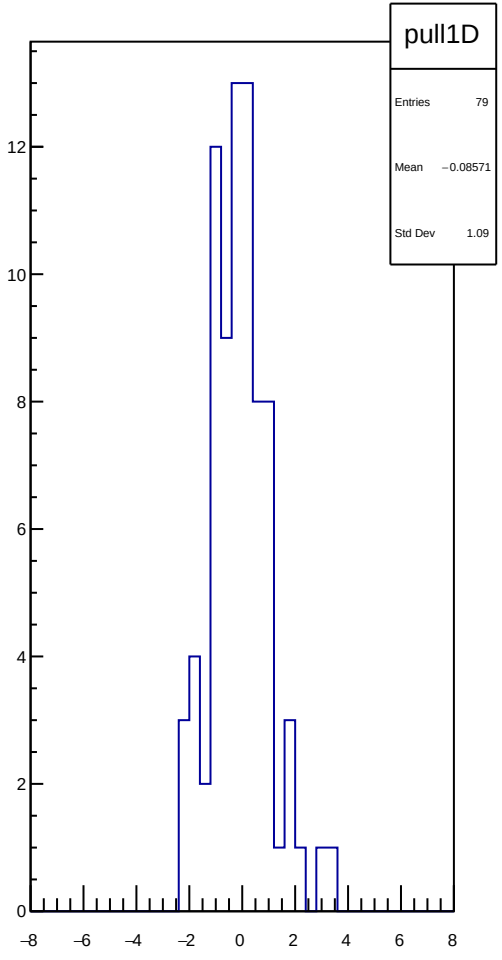

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 764.5 / 78
p0 −32.19 ± 0.4471
pull
Entries 79
Mean 106.2
Std Dev 58.64
pull1D
Entries 79
Mean −0.7396
Std Dev 2.368

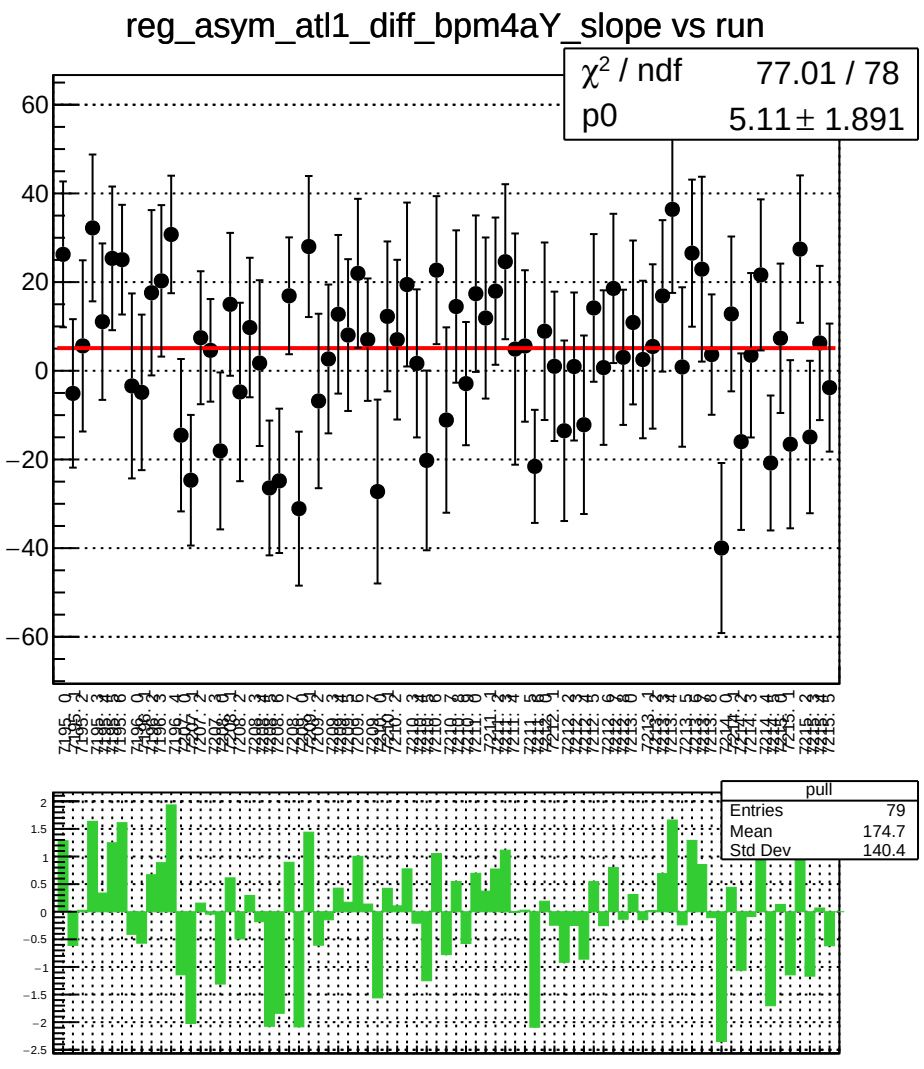

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 230.3 / 78
p0 31.53 ± 0.3751
pull
Entries 79
Mean 528.8
Std Dev 481.3

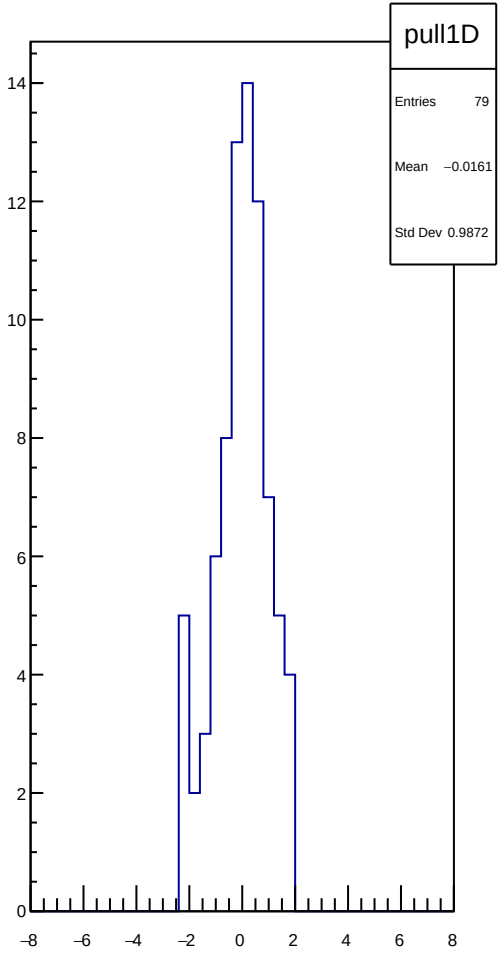

pull1D
Entries 79
Mean 0.02406
Std Dev 1.707

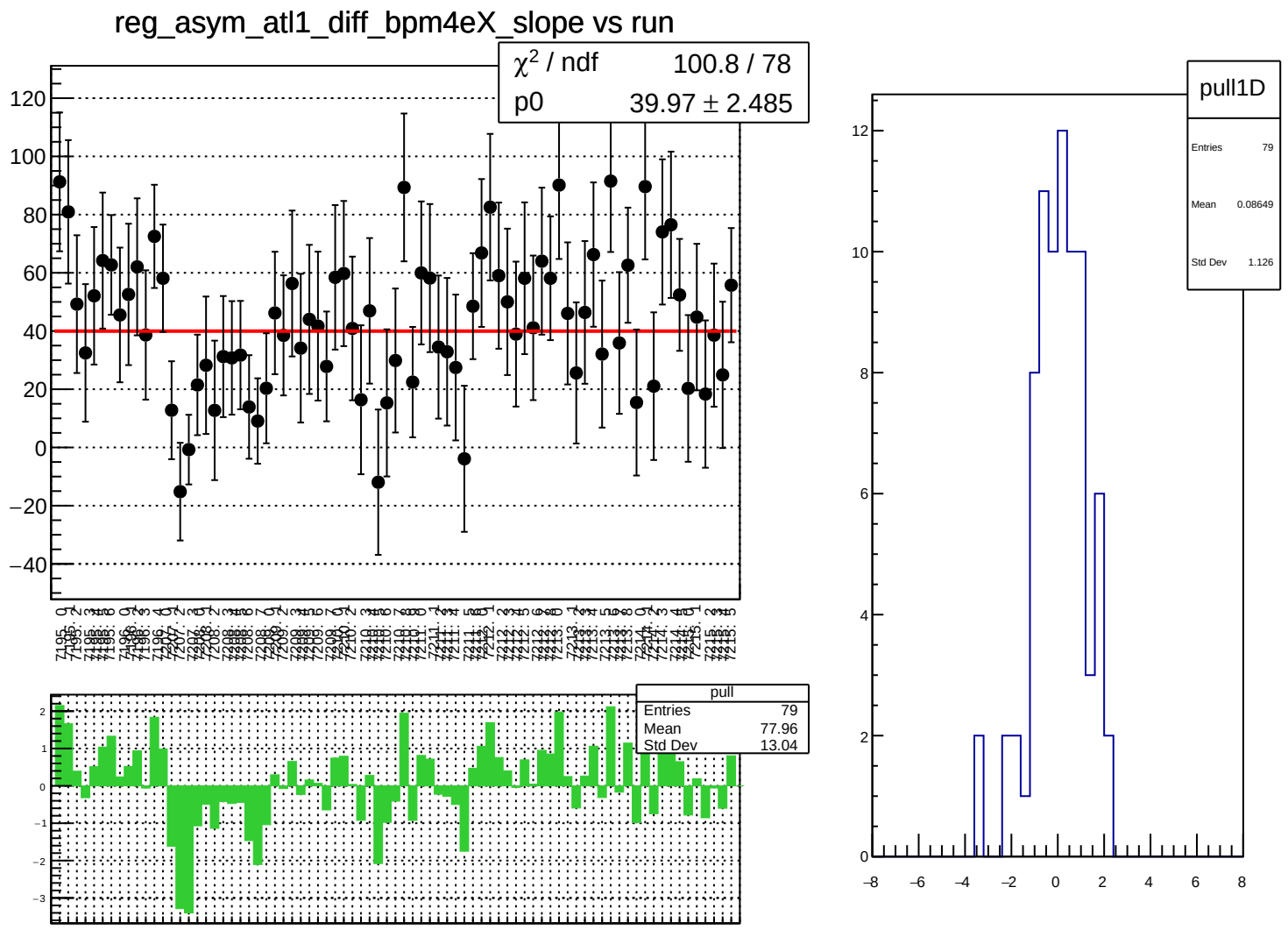

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 79.48 / 78
p0 0.1368 ± 0.0157
pull
Entries 79
Mean 425.4
Std Dev 402.7
pull1D
Entries 79
Mean −0.01654
Std Dev 1.003

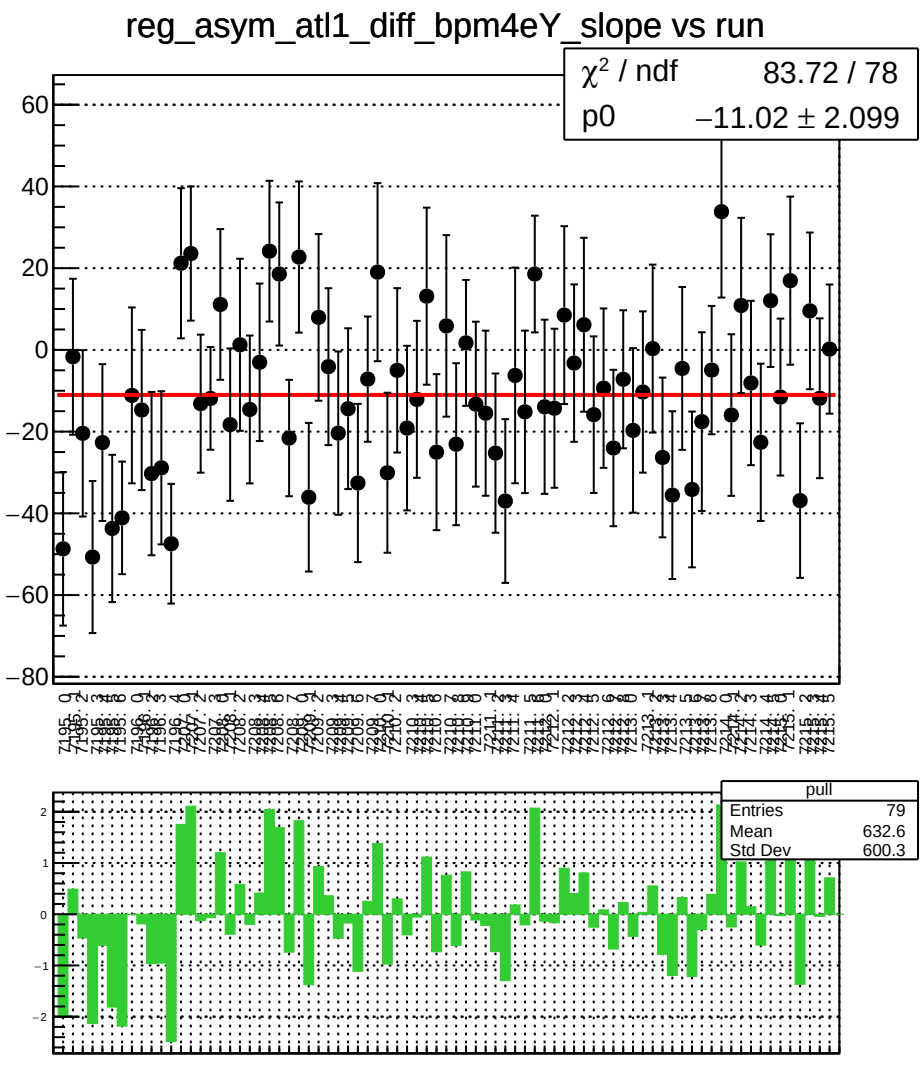

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 94.47 / 78
p0 −4.63 ± 2.469
pull
Entries 79
Mean 81.69
Std Dev 14.27

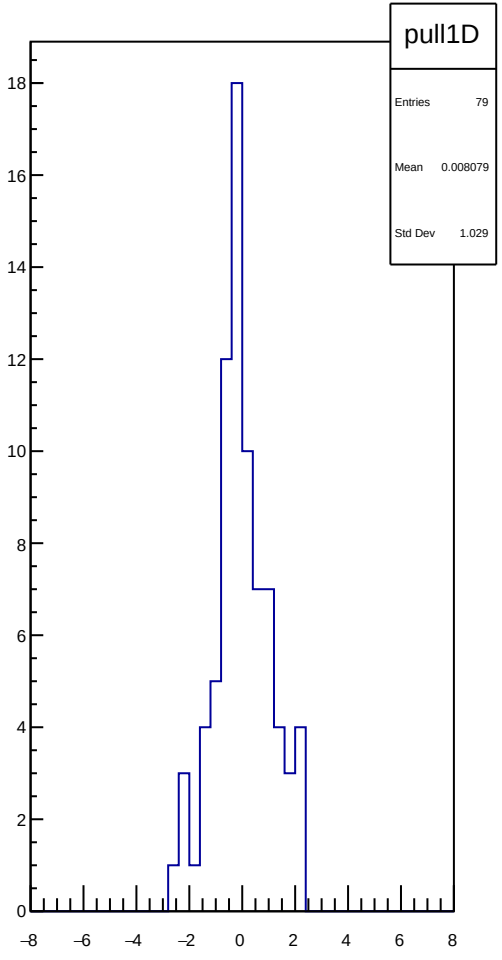

pull1D
Entries 79
Mean −0.08571
Std Dev 1.09

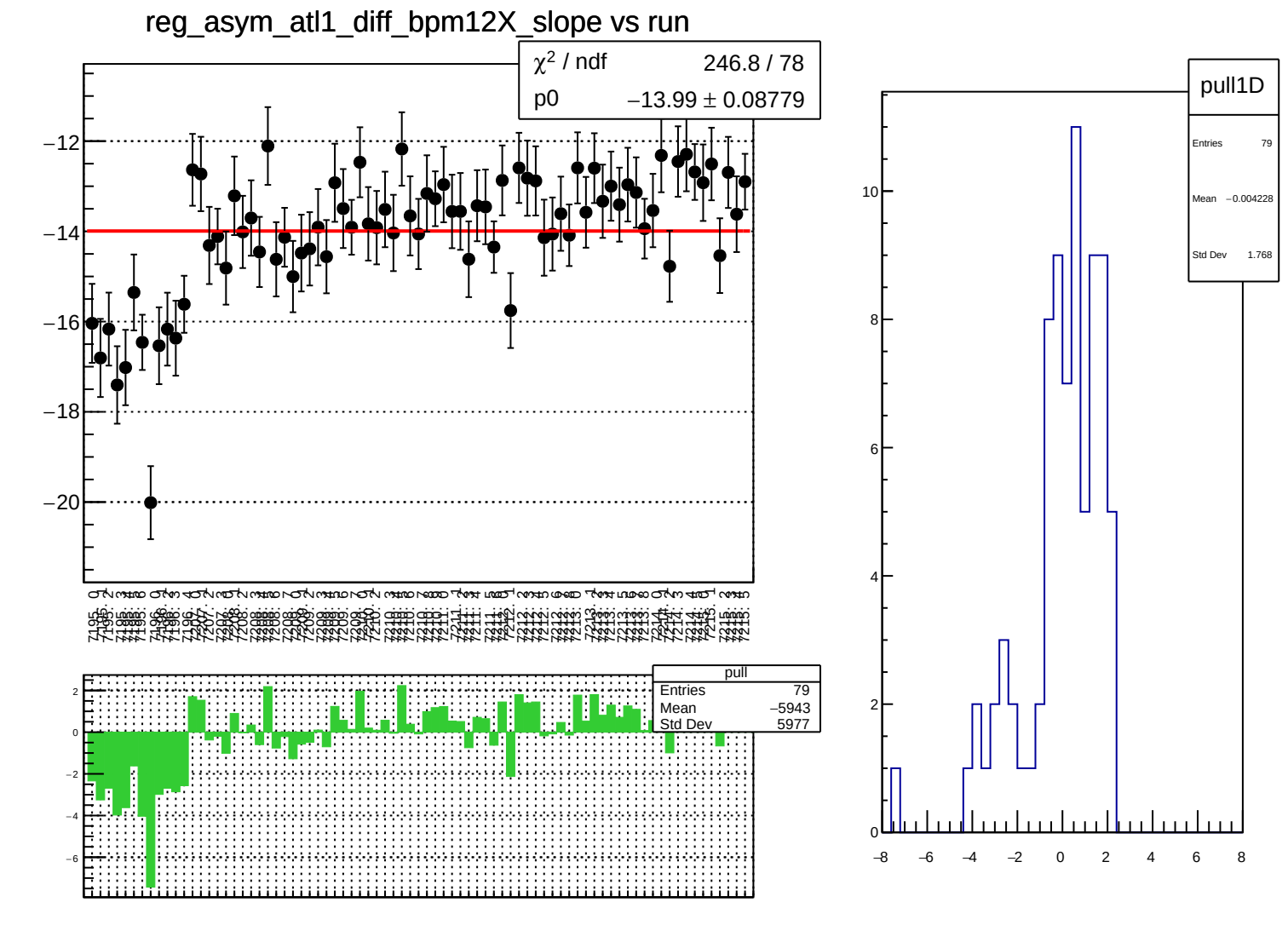

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 77.01 / 78
p0 5.11 ± 1.891
pull
Entries 79
Mean 174.7
Std Dev 140.4

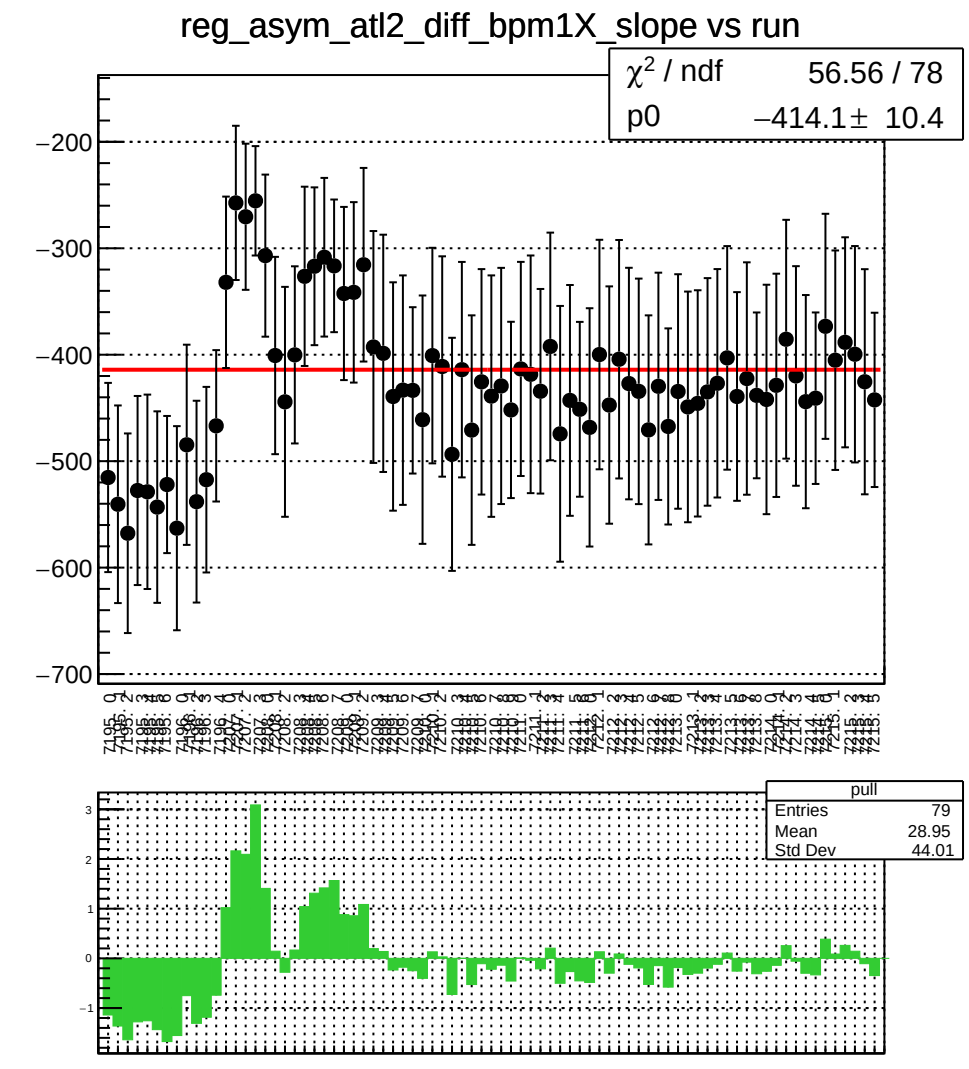

pull1D
Entries 79
Mean −0.0161
Std Dev 0.9872

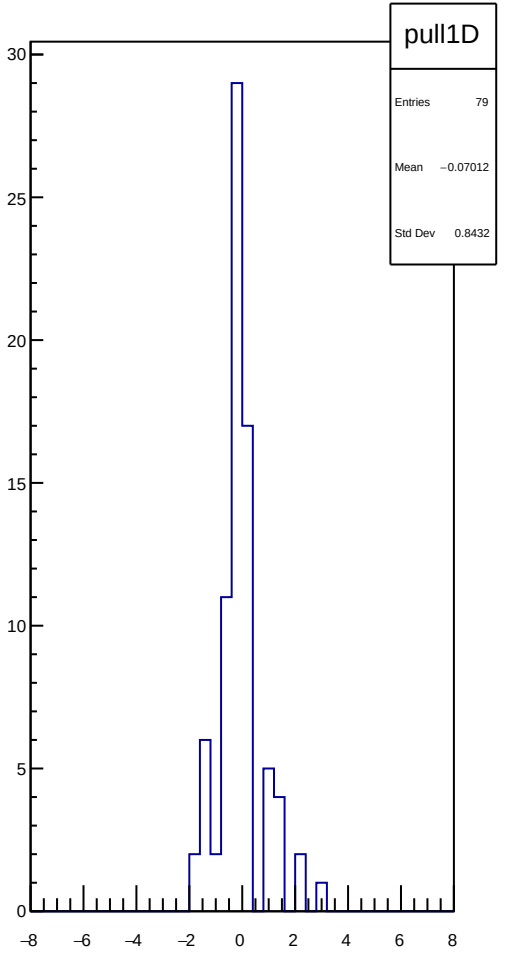

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 100.8 / 78
p0 39.97 ± 2.485
pull
Entries 79
Mean 77.96
Std Dev 13.04
pull1D
Entries 79
Mean 0.08649
Std Dev 1.126

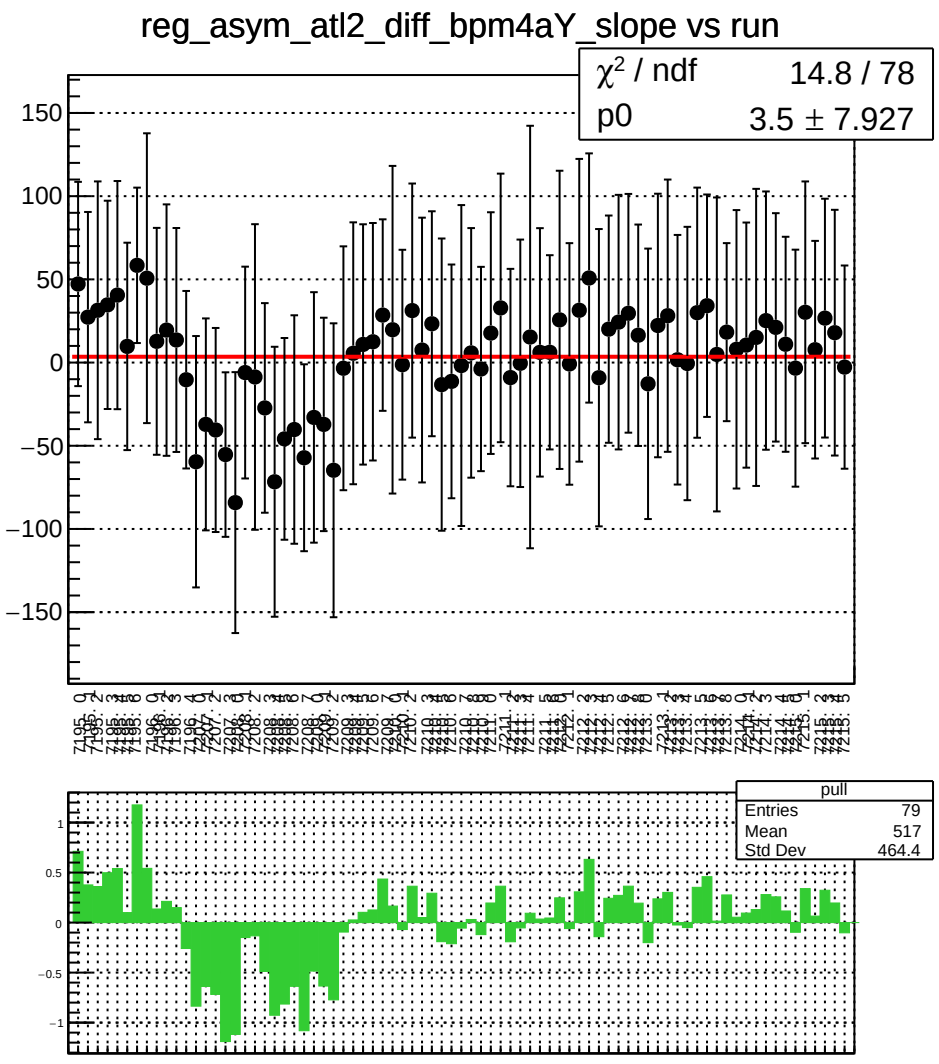

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 83.72 / 78
p0 −11.02 ± 2.099
pull
Entries 79
Mean 632.6
Std Dev 600.3

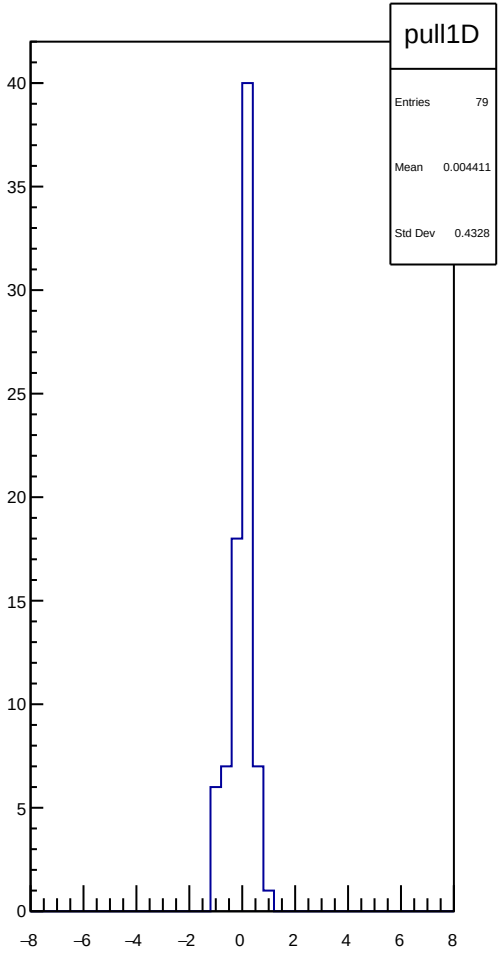

pull1D
Entries 79
Mean 0.008079
Std Dev 1.029

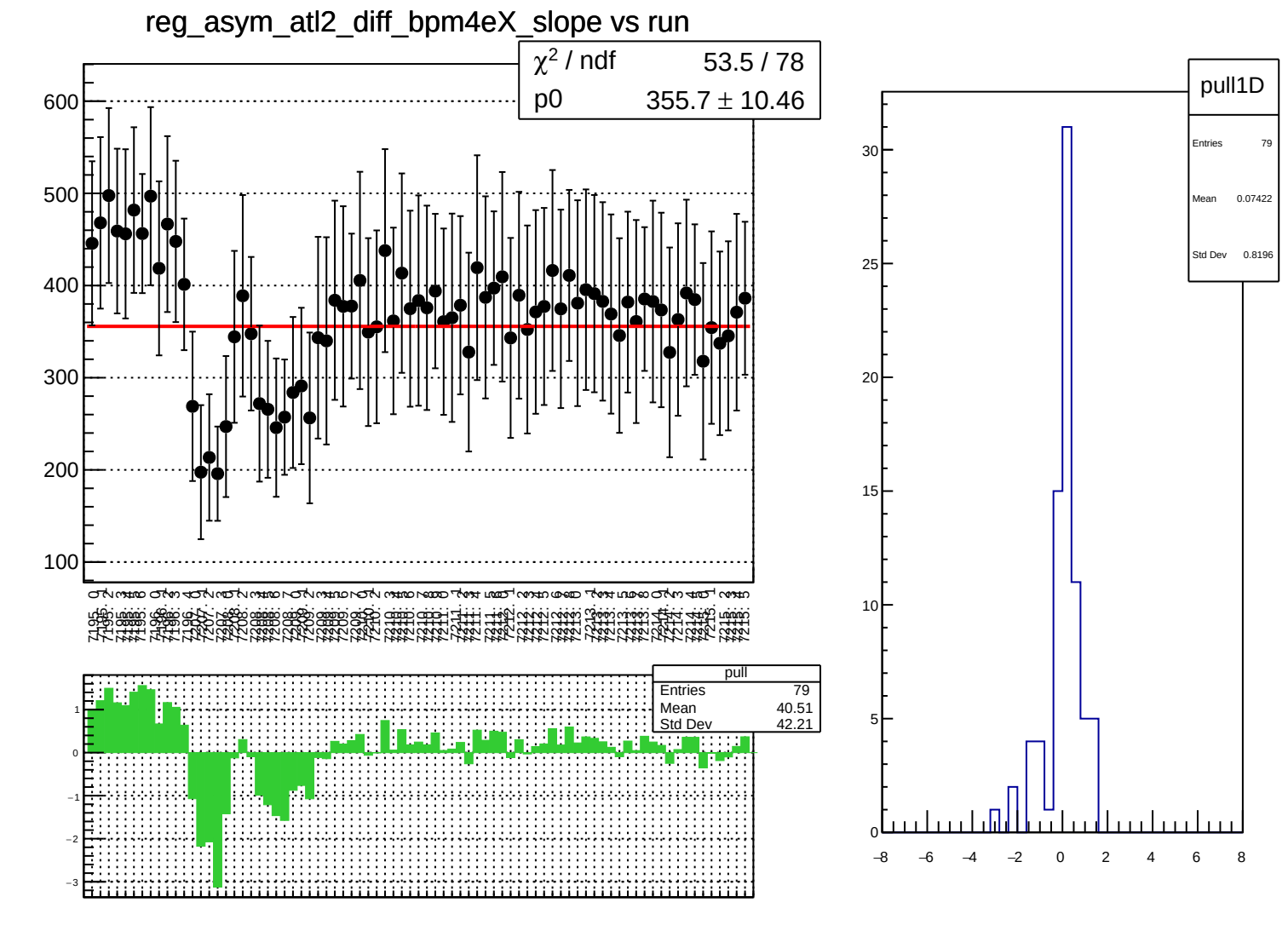

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 246.8 / 78
p0 −13.99 ± 0.08779
−12
−14
−16
−18
−20
pull
Entries 79
Mean −5943
Std Dev 5977
2
0
−2
−4
−6
pull1D
Entries 79
Mean −0.004228
Std Dev 1.768
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

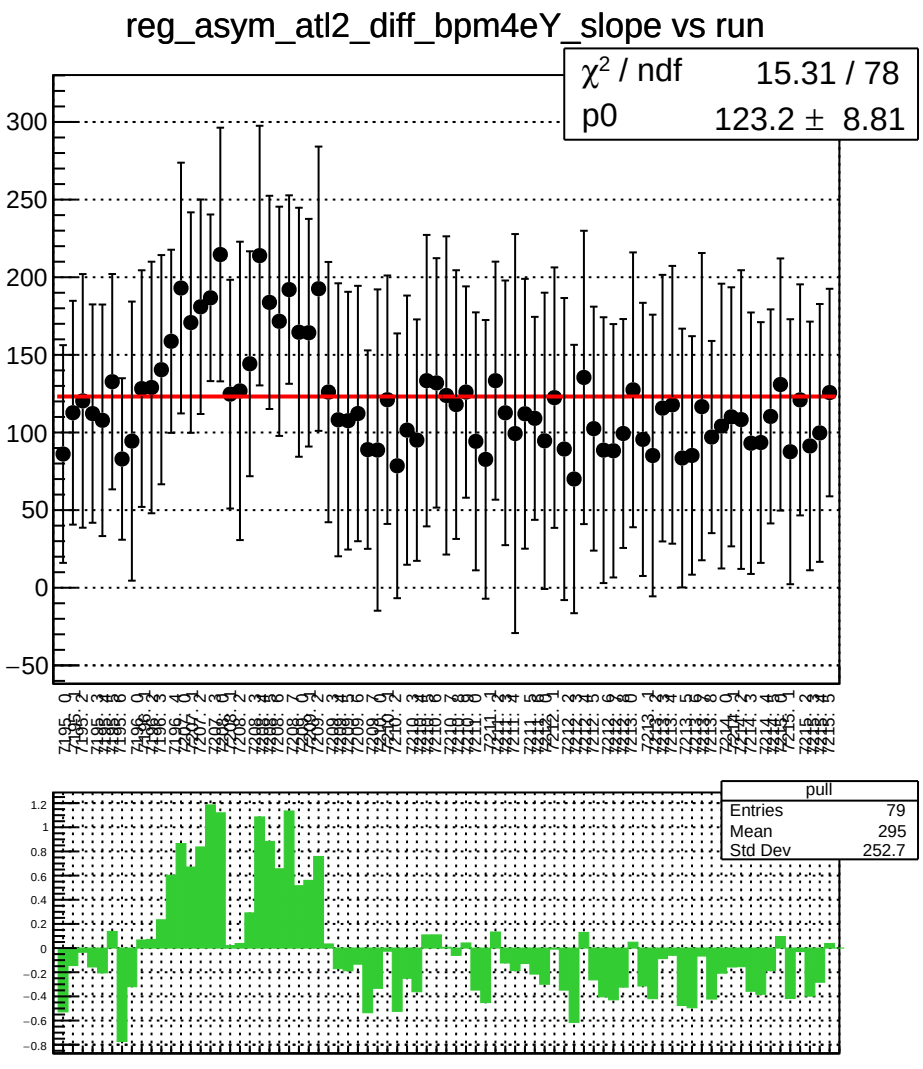

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 56.56 / 78
p0 −414.1± 10.4
−200
−300
−400
−500
−600
−700
pull
Entries 79
Mean 28.95
Std Dev 44.01
3
2
1
0
−1

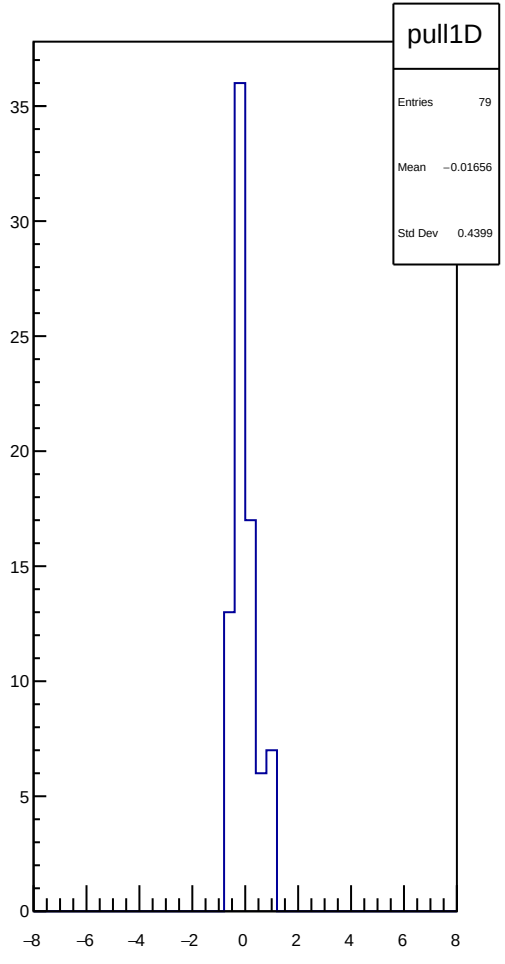

pull1D
Entries 79
Mean −0.07012
Std Dev 0.8432
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

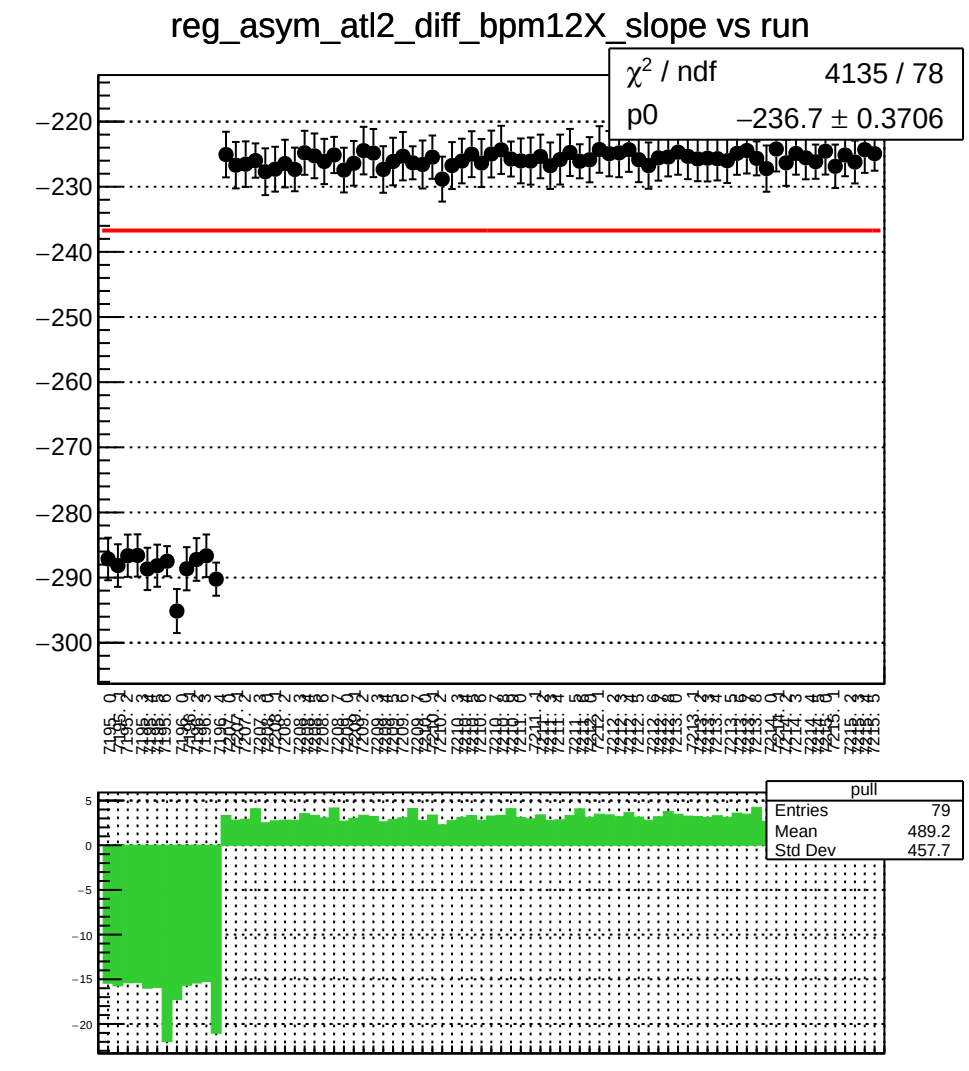

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 14.8 / 78
p0 3.5 ± 7.927
150
100
50
0
−50
−100
−150
pull
Entries 79
Mean 517
Std Dev 464.4
1
0.5
0
−0.5
−1

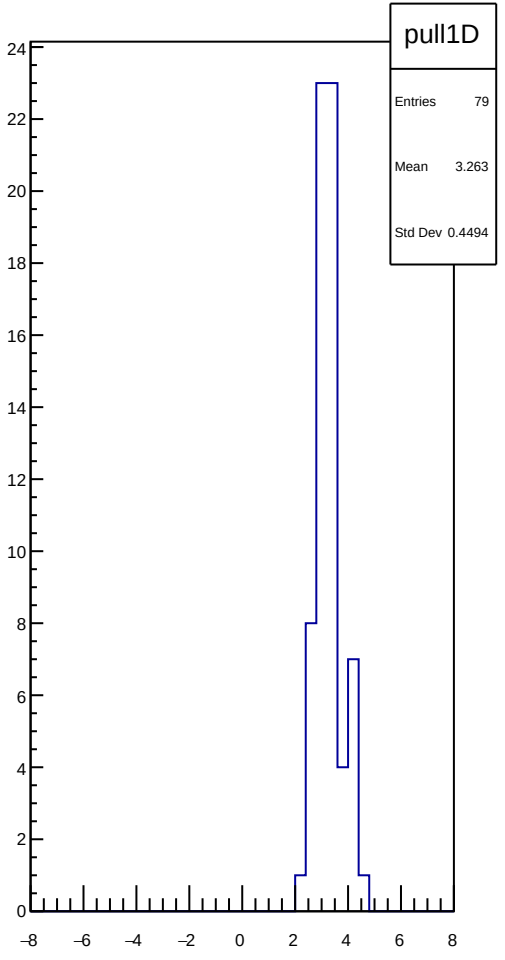

pull1D
Entries 79
Mean 0.004411
Std Dev 0.4328
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

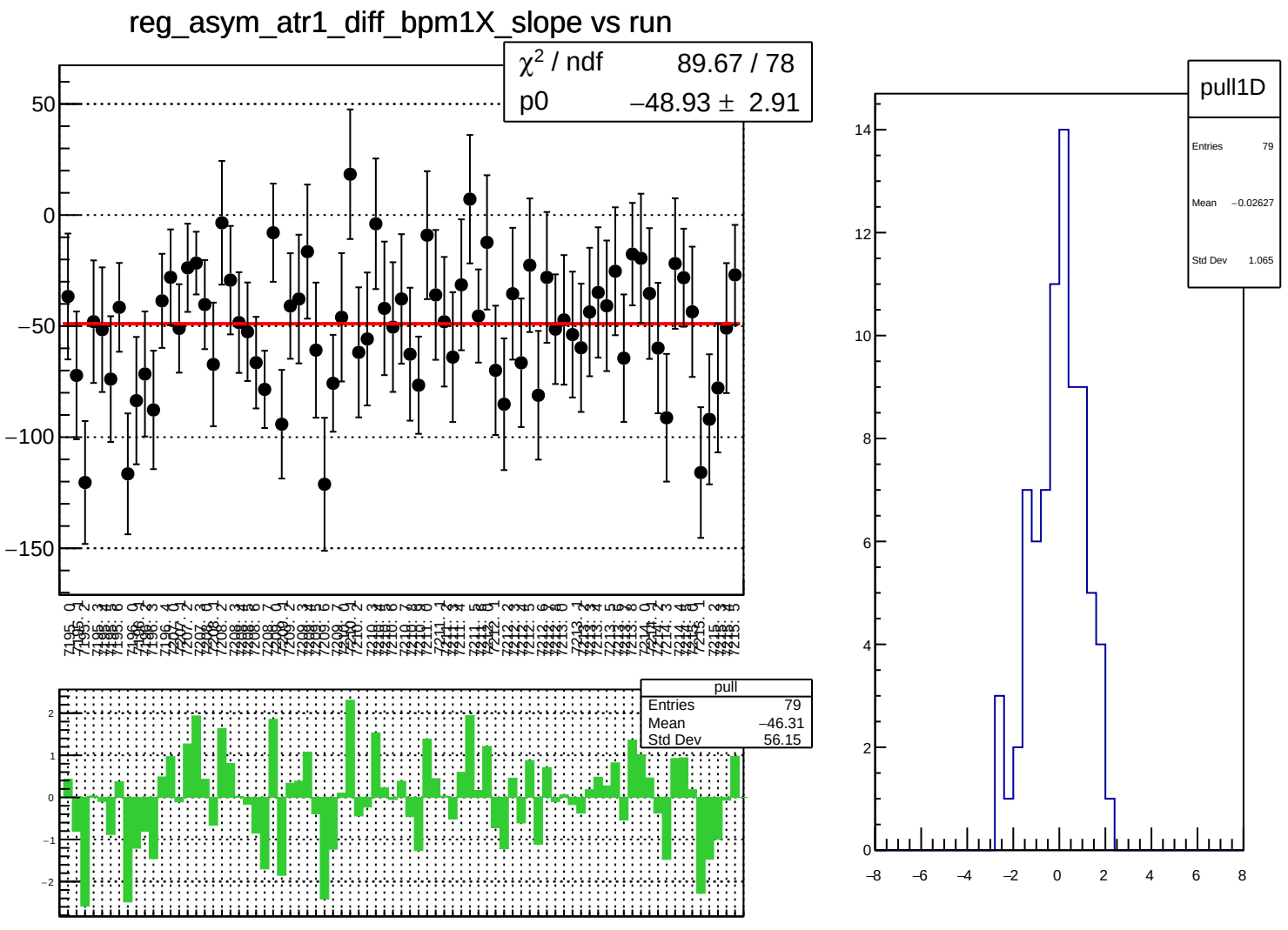

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 53.5 / 78
p0 355.7 ± 10.46
pull
Entries 79
Mean 40.51
Std Dev 42.21
pull1D
Entries 79
Mean 0.07422
Std Dev 0.8196

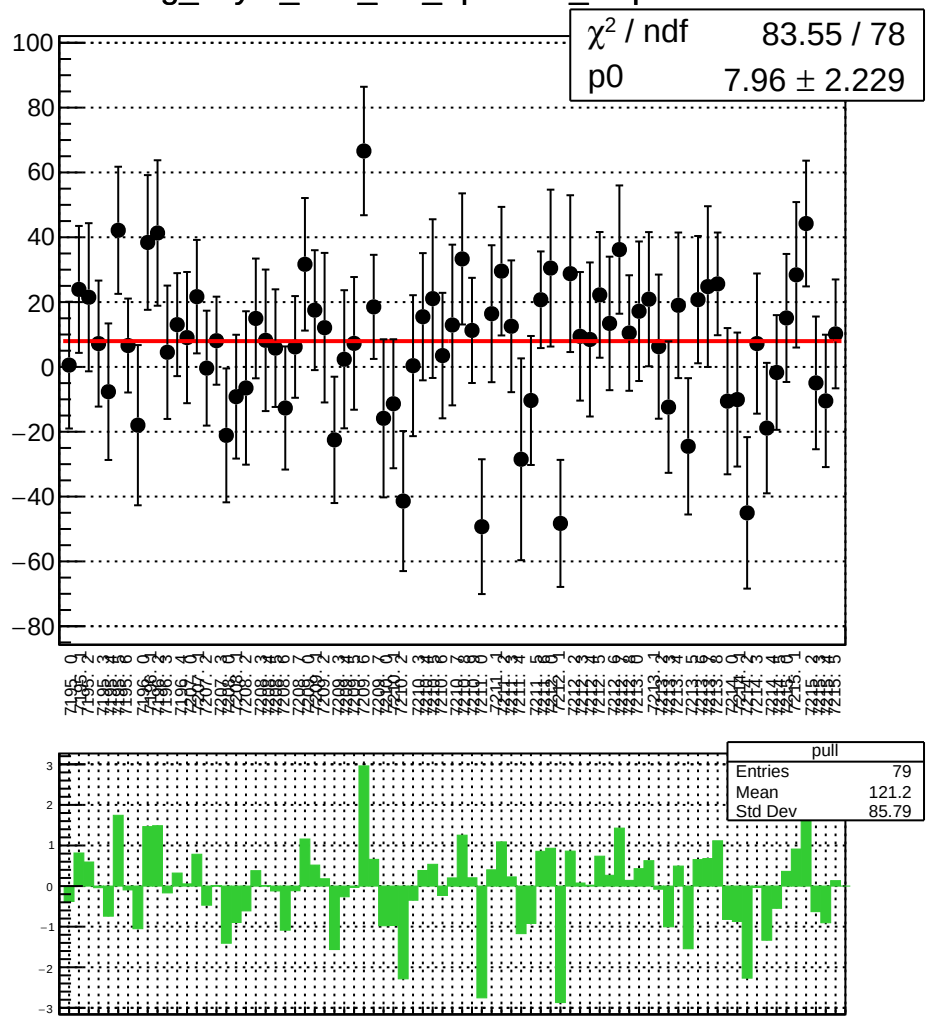

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 15.31 / 78
p0 123.2 ± 8.81
pull
Entries 79
Mean 295
Std Dev 252.7

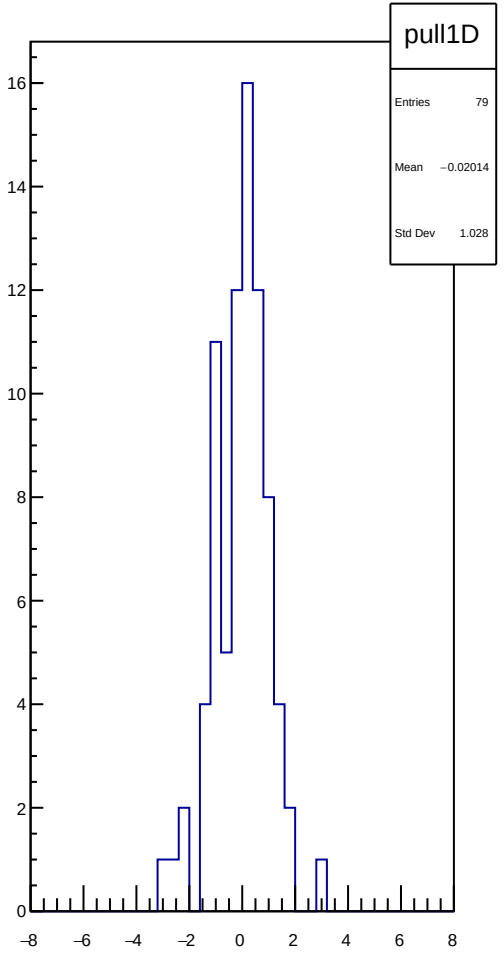

pull1D
Entries 79
Mean −0.01656
Std Dev 0.4399

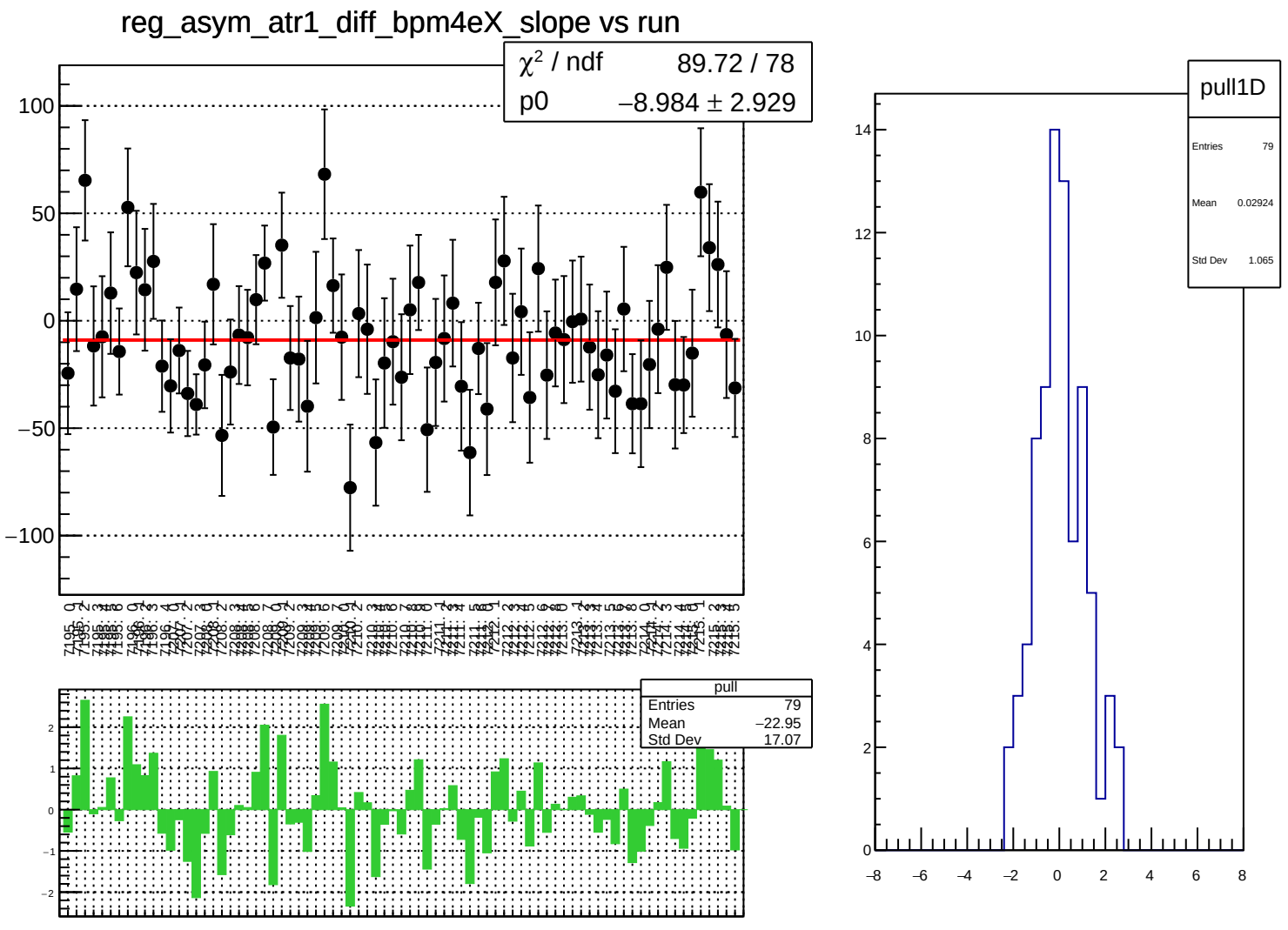

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 4135 / 78
p0 −236.7 ± 0.3706
pull
Entries 79
Mean 489.2
Std Dev 457.7

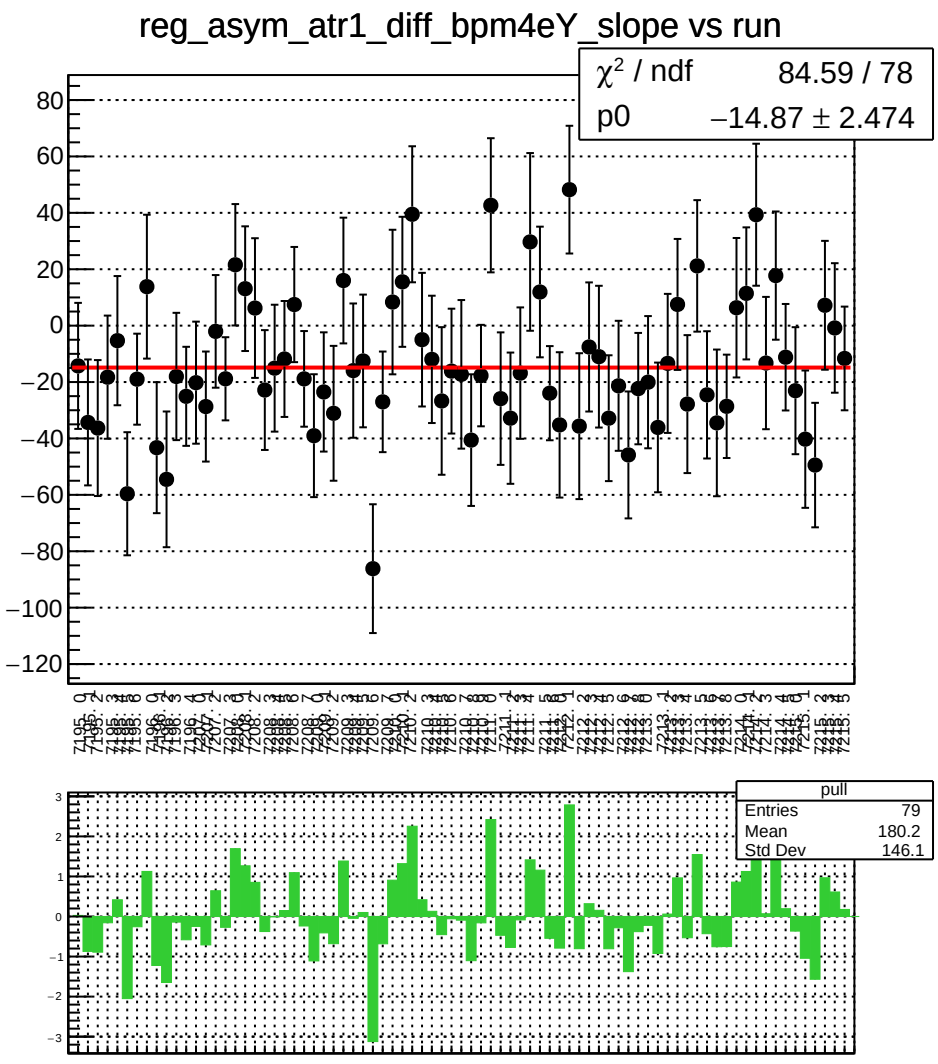

pull1D
Entries 79
Mean 3.263
Std Dev 0.4494

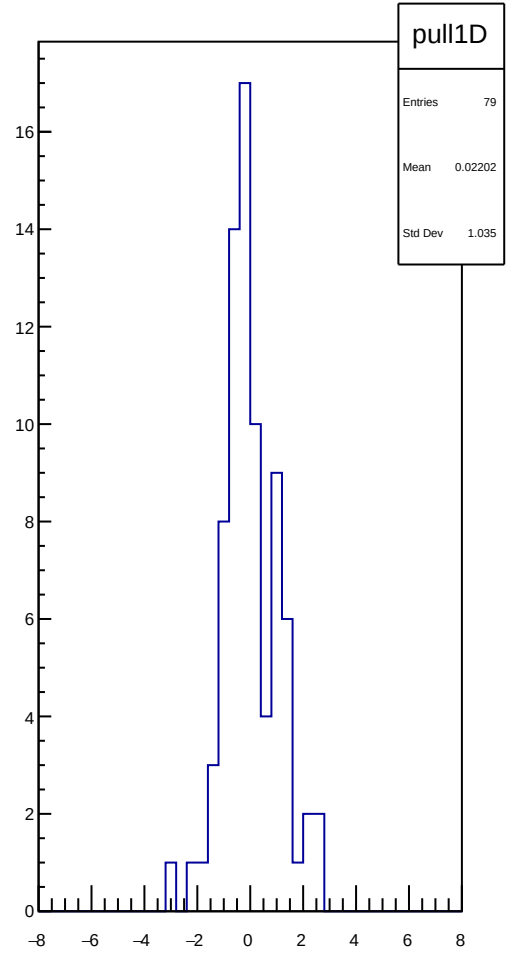

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 89.67 / 78
p0 −48.93 ± 2.91
50
0
−50
−100
−150
pull
Entries 79
Mean −46.31
Std Dev 56.15
2
1
0
−1
−2
pull1D
Entries 79
Mean −0.02627
Std Dev 1.065
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

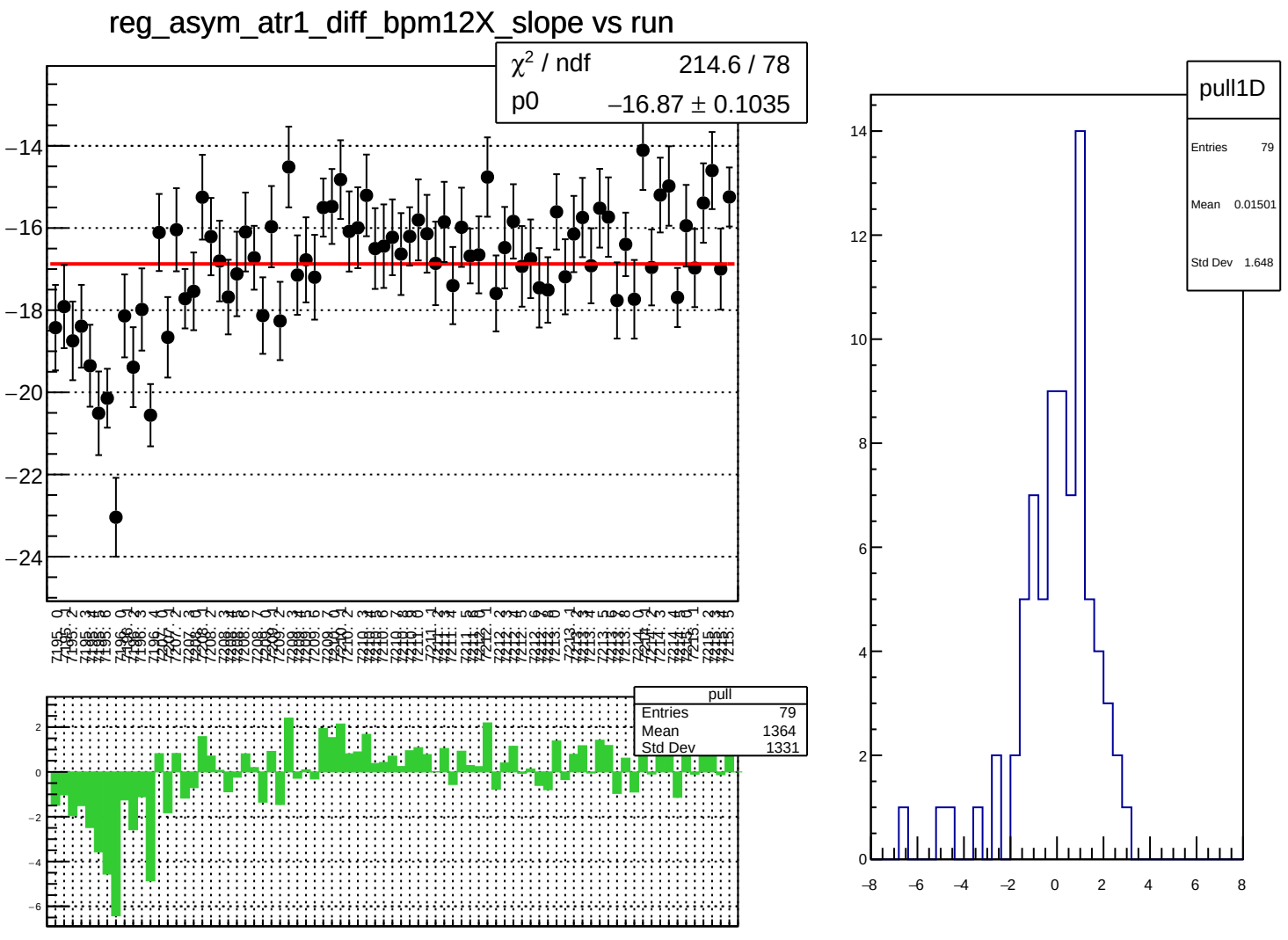

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 83.55 / 78
p0 7.96 ± 2.229
pull
Entries 79
Mean 121.2
Std Dev 85.79

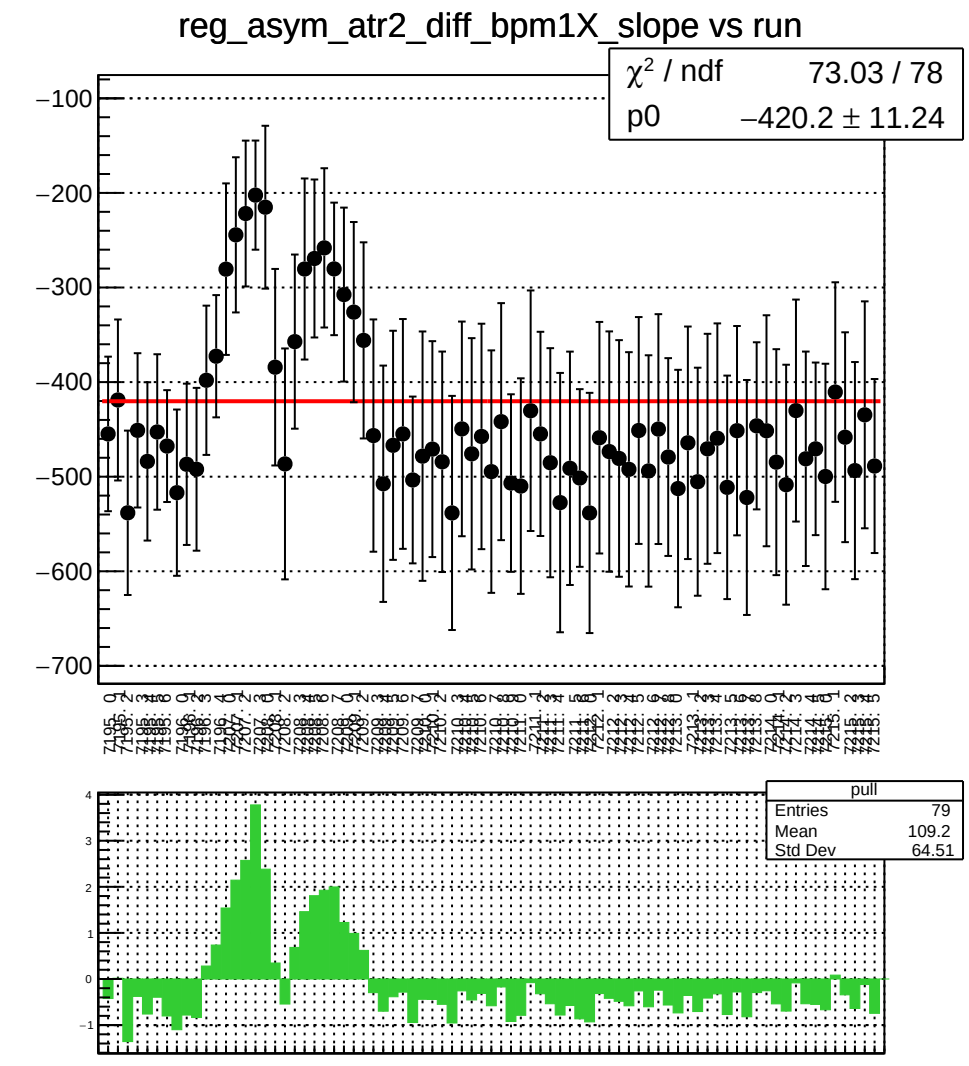

pull1D
Entries 79
Mean −0.02014
Std Dev 1.028

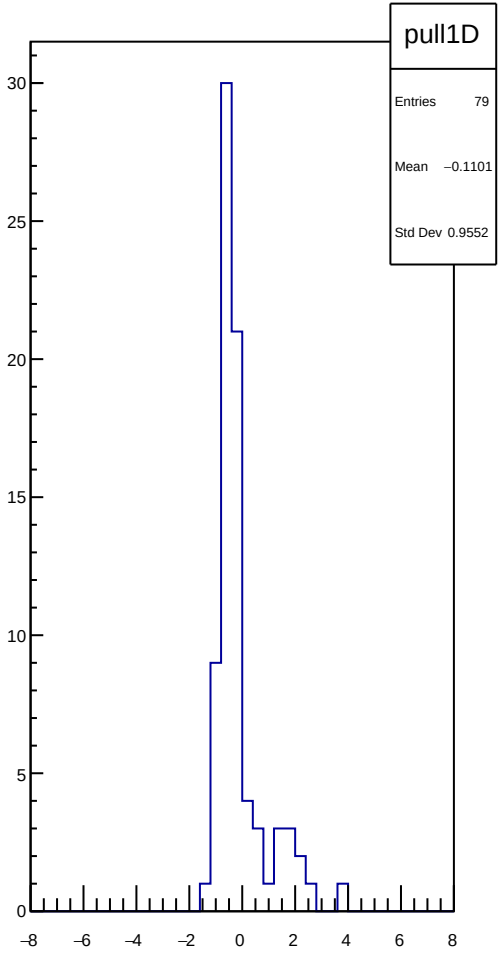

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 89.72 / 78
p0 −8.984 ± 2.929
pull
Entries 79
Mean −22.95
Std Dev 17.07
pull1D
Entries 79
Mean 0.02924
Std Dev 1.065

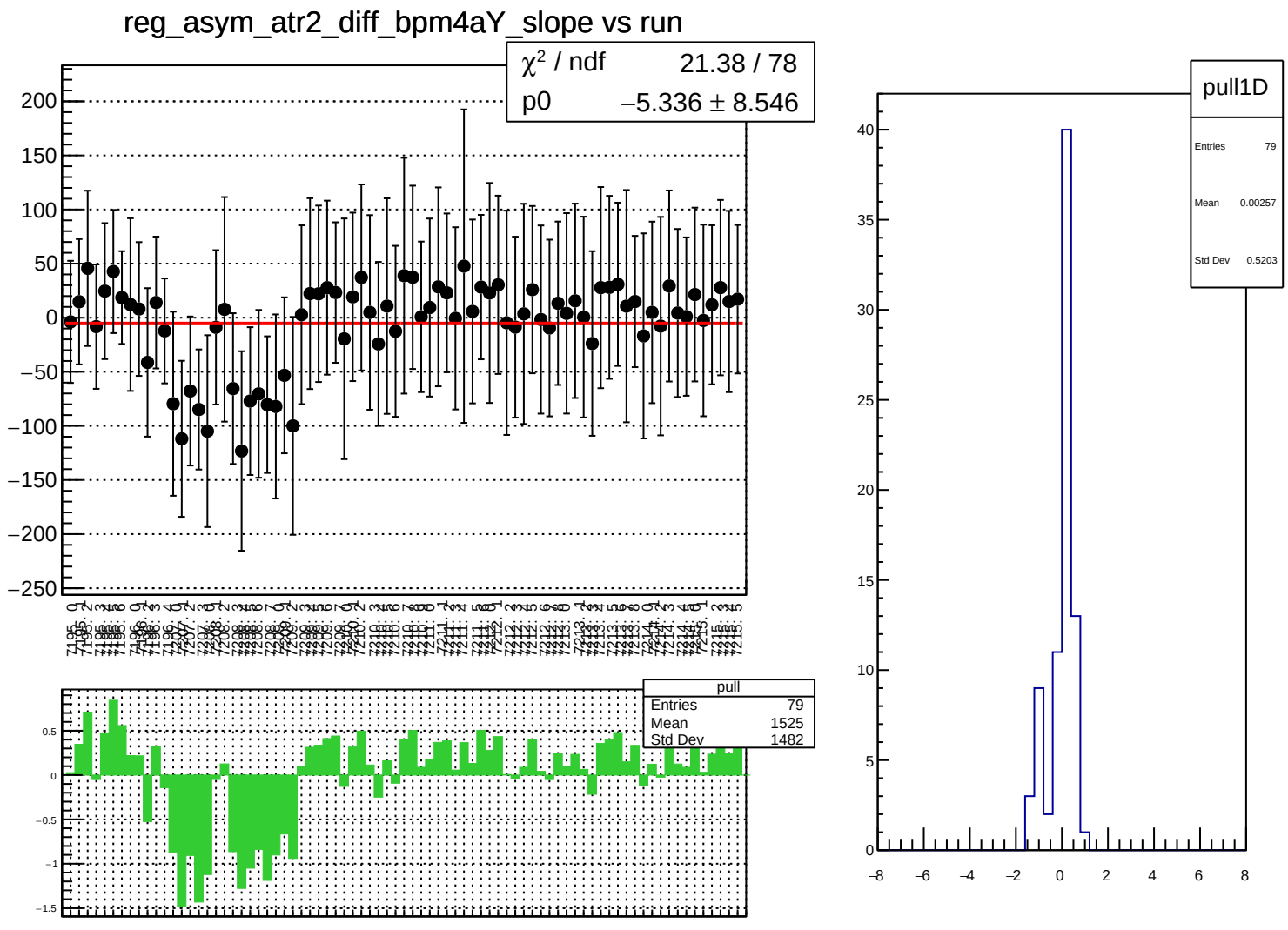

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 84.59 / 78
p0 −14.87 ± 2.474
pull
Entries 79
Mean 180.2
Std Dev 146.1

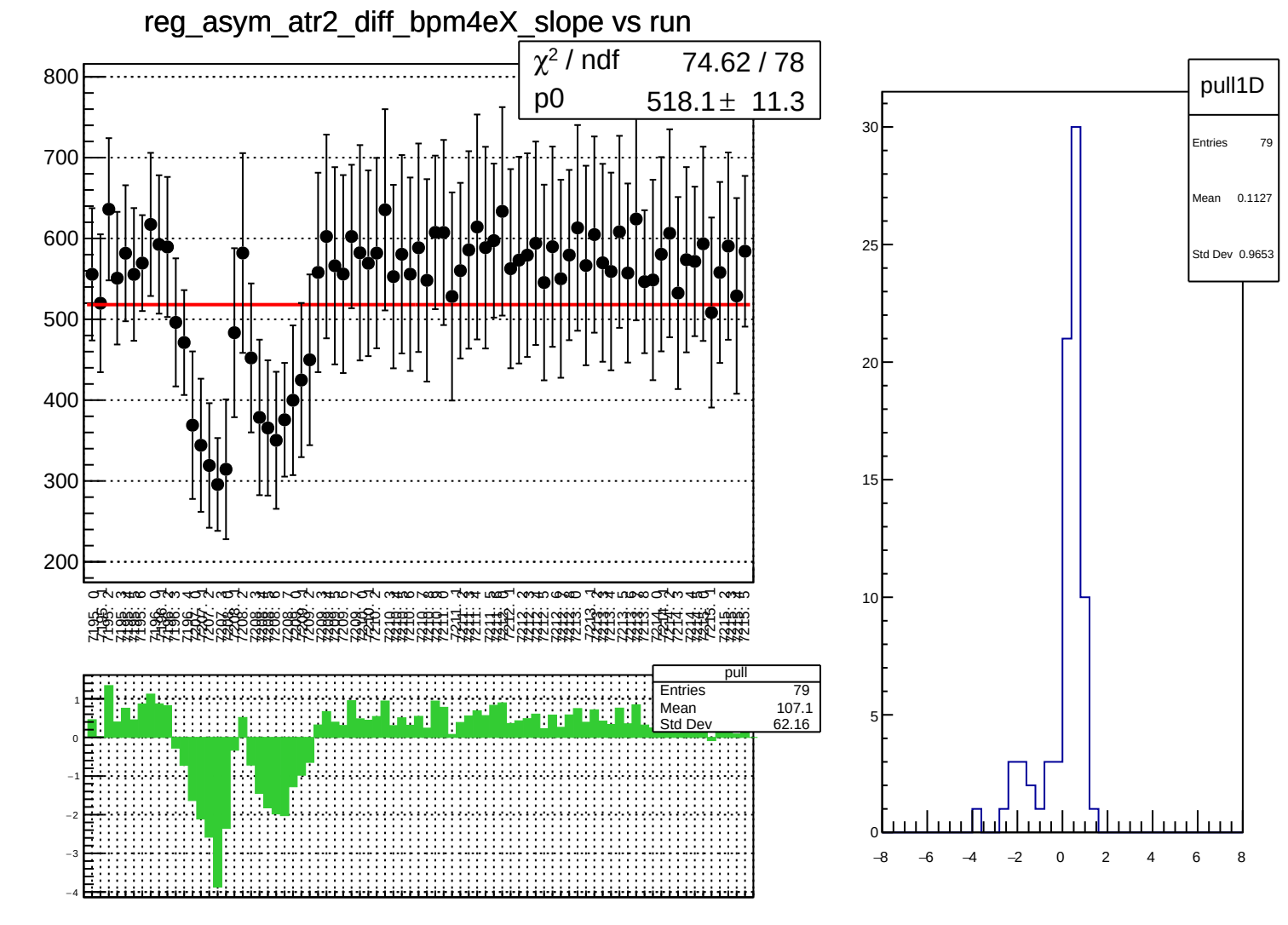

pull1D
Entries 79
Mean 0.02202
Std Dev 1.035

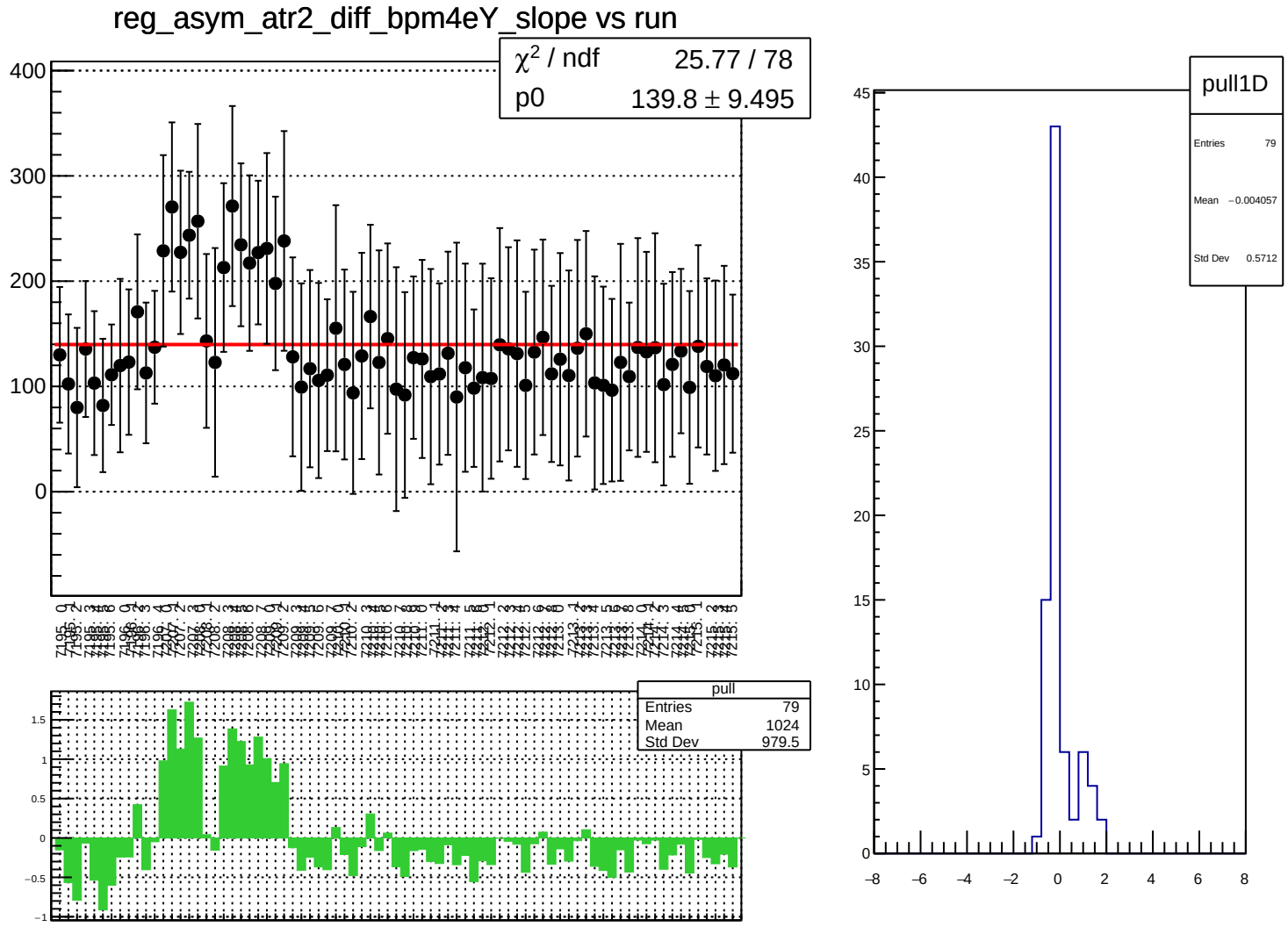

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 214.6 / 78
p0 −16.87 ± 0.1035
pull
Entries 79
Mean 1364
Std Dev 1331
pull1D
Entries 79
Mean 0.01501
Std Dev 1.648

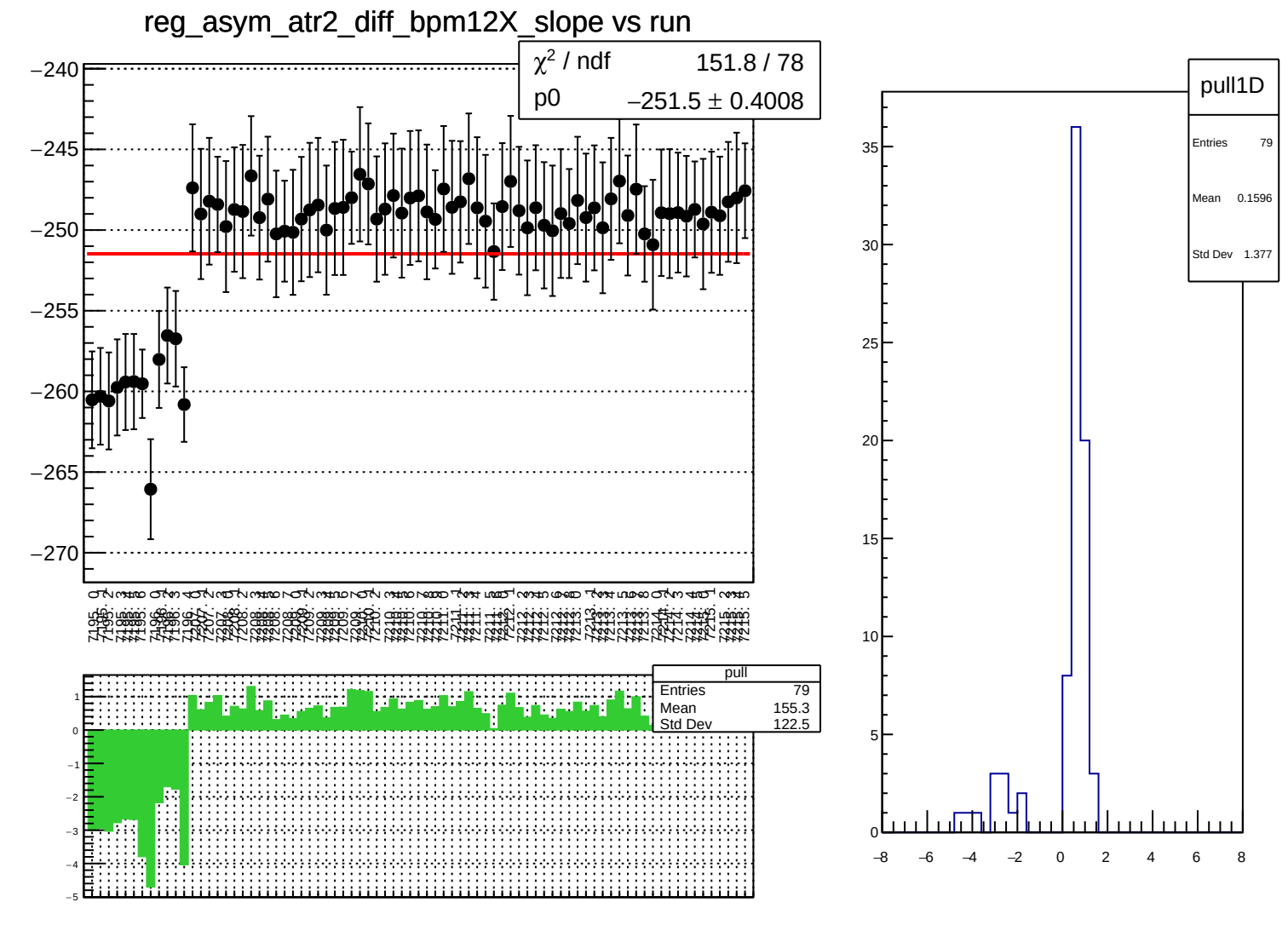

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 73.03 / 78
p0 −420.2 ± 11.24
pull
Entries 79
Mean 109.2
Std Dev 64.51

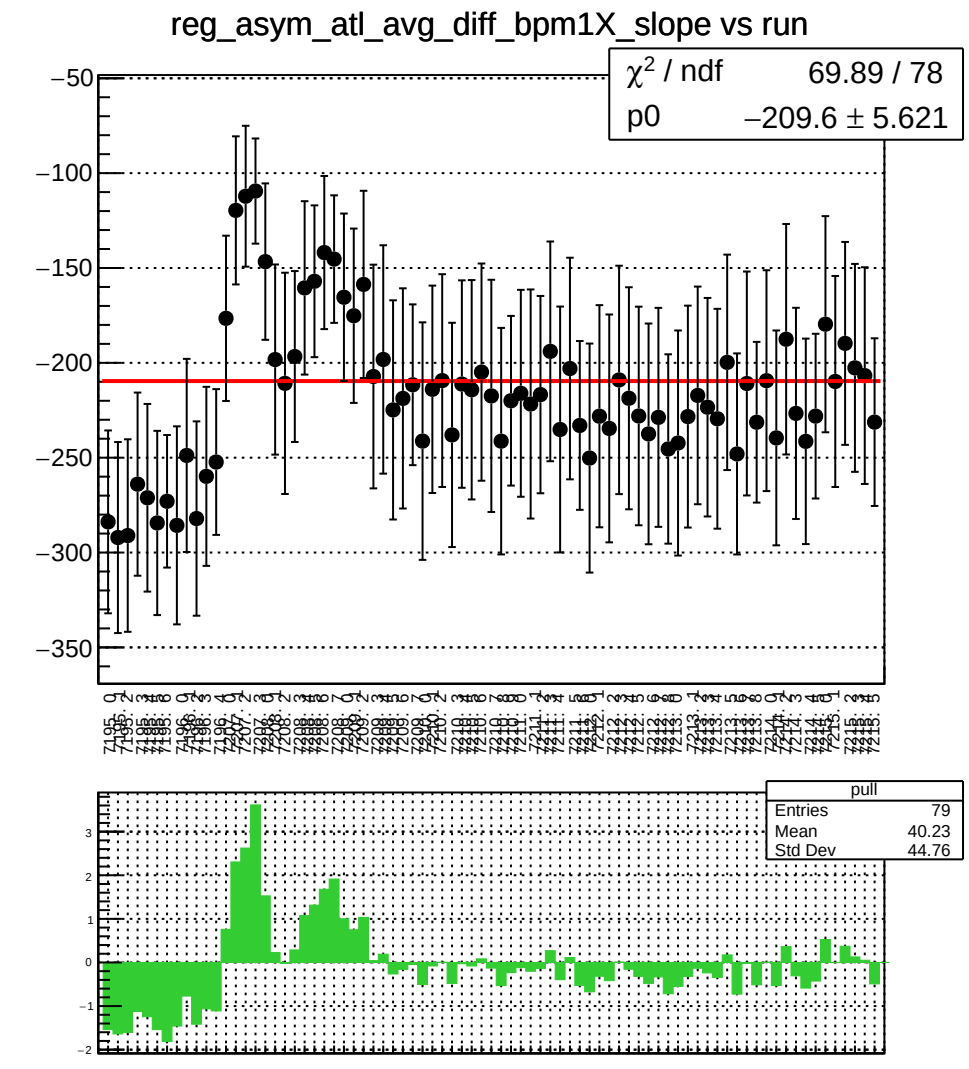

pull1D
Entries 79
Mean −0.1101
Std Dev 0.9552

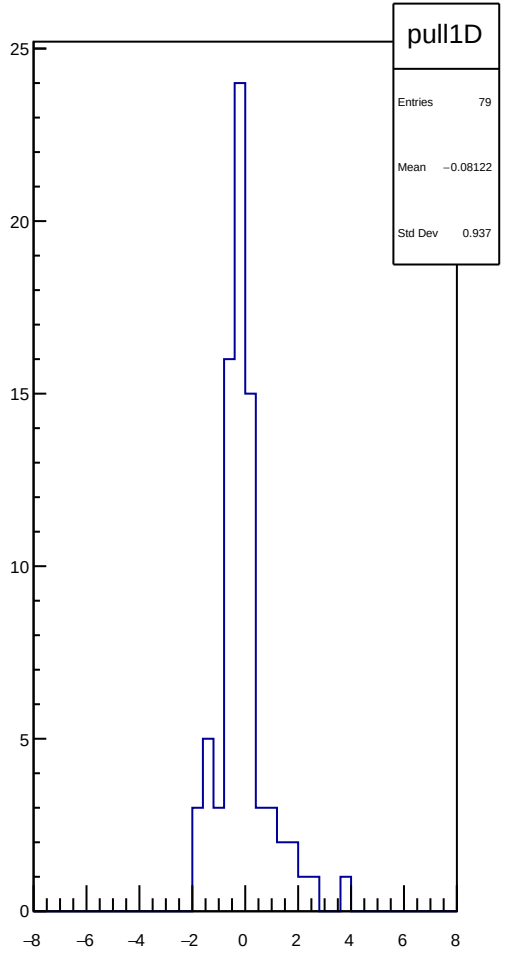

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 21.38 / 78
p0 −5.336 ± 8.546
pull
Entries 79
Mean 1525
Std Dev 1482
pull1D
Entries 79
Mean 0.00257
Std Dev 0.5203

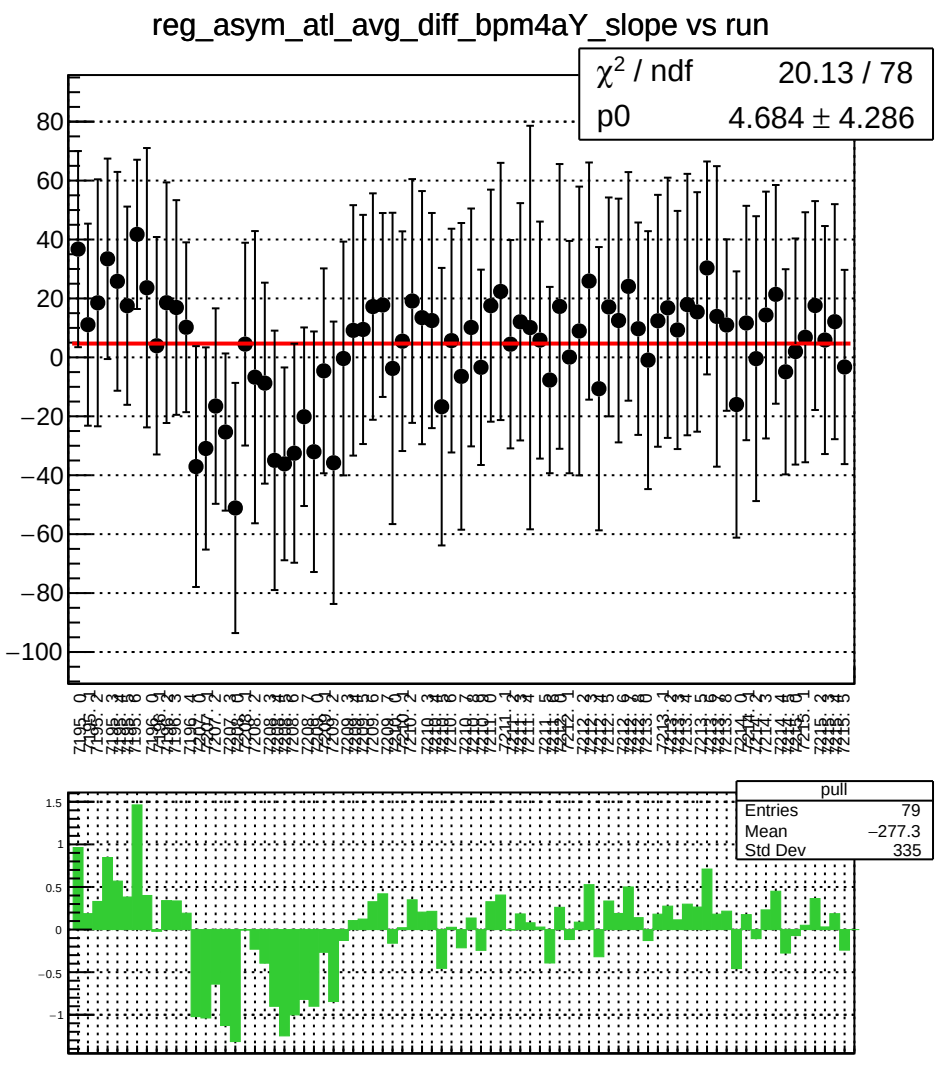

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 74.62 / 78
p0 518.1 ± 11.3
pull
Entries 79
Mean 107.1
Std Dev 62.16
pull1D
Entries 79
Mean 0.1127
Std Dev 0.9653

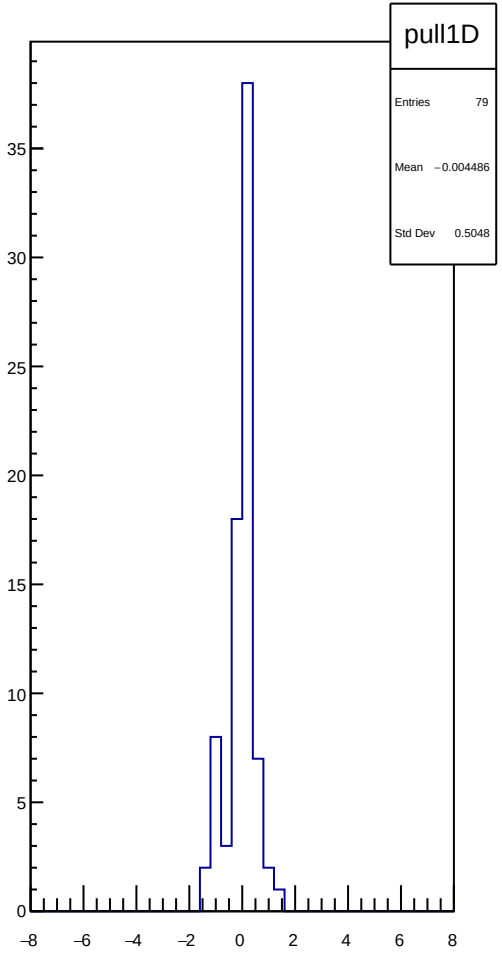

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 25.77 / 78
p0 139.8 ± 9.495
pull
Entries 79
Mean 1024
Std Dev 979.5
pull1D
Entries 79
Mean −0.004057
Std Dev 0.5712

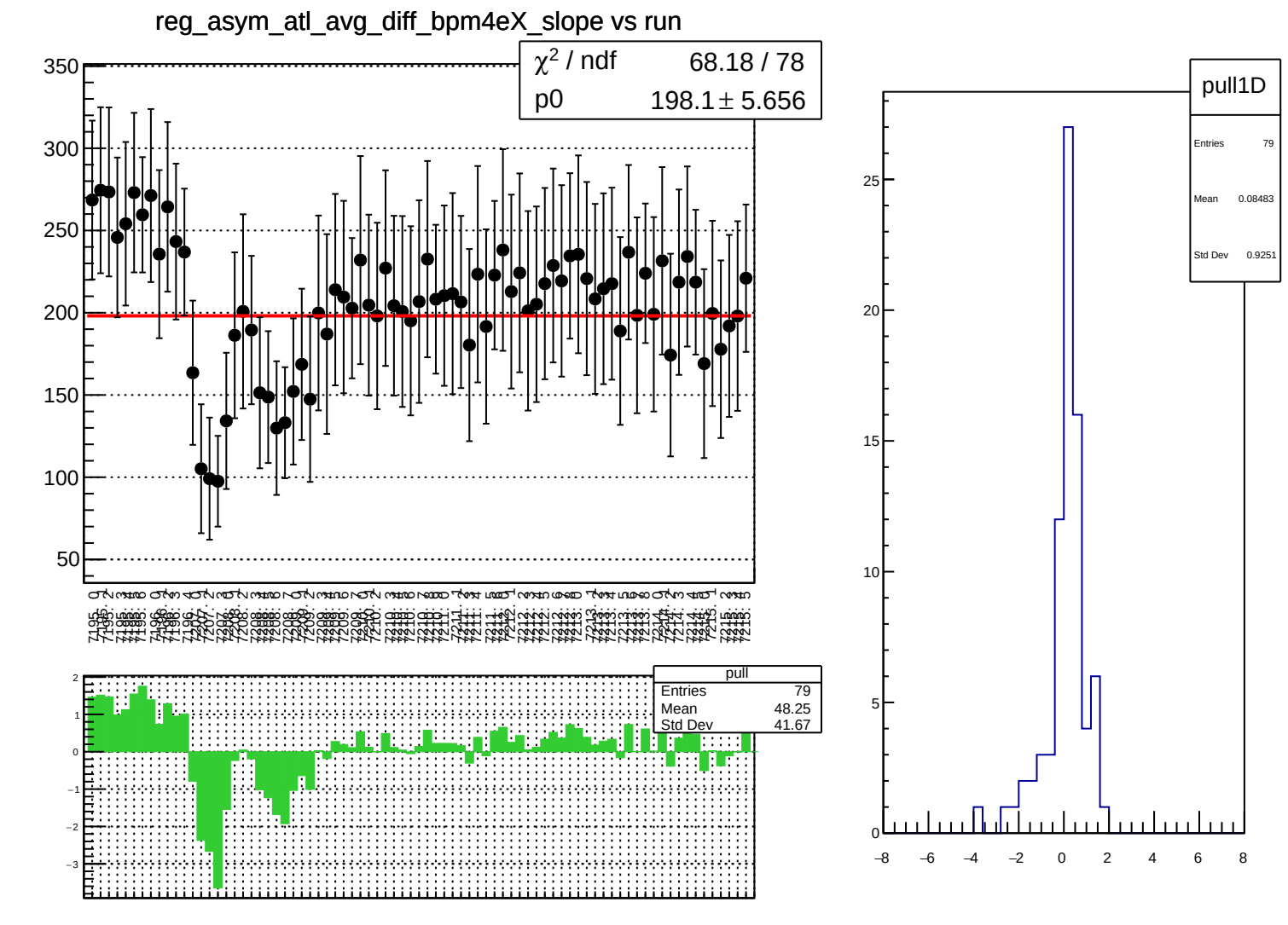

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 151.8 / 78
p0 −251.5 ± 0.4008
pull
Entries 79
Mean 155.3
Std Dev 122.5
pull1D
Entries 79
Mean 0.1596
Std Dev 1.377

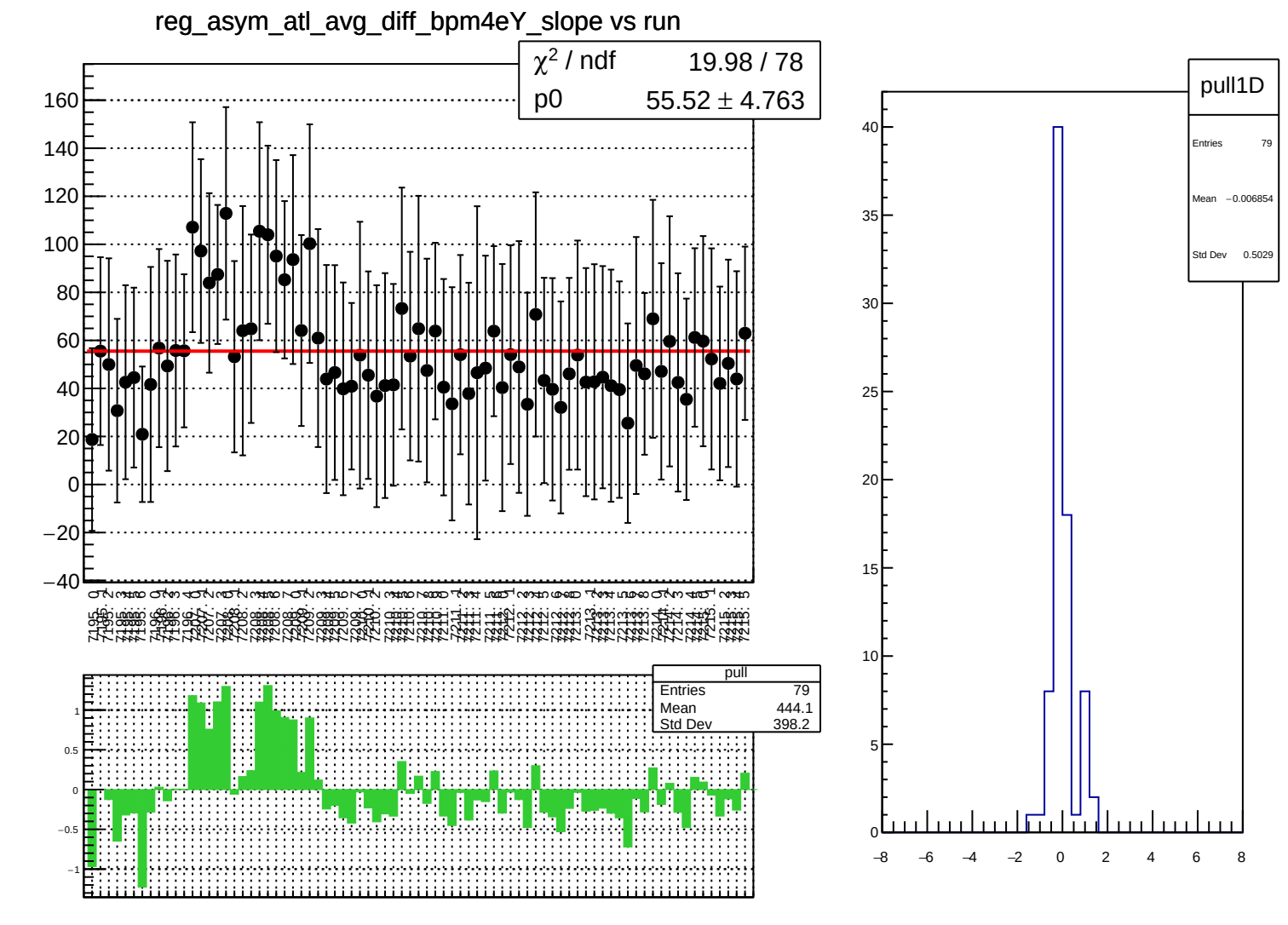

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 69.89 / 78
p0 −209.6 ± 5.621
pull
Entries 79
Mean 40.23
Std Dev 44.76

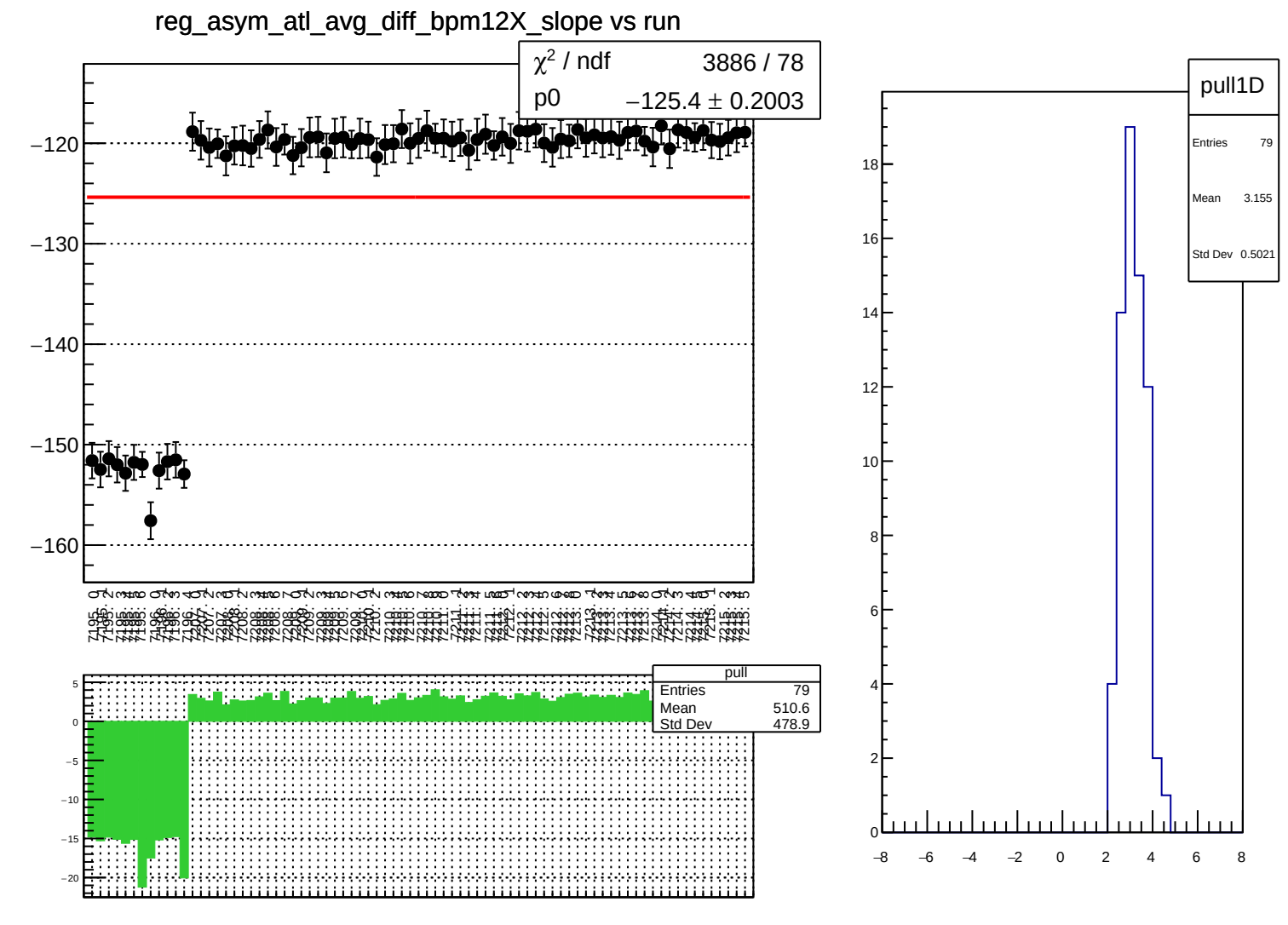

pull1D
Entries 79
Mean −0.08122
Std Dev 0.937

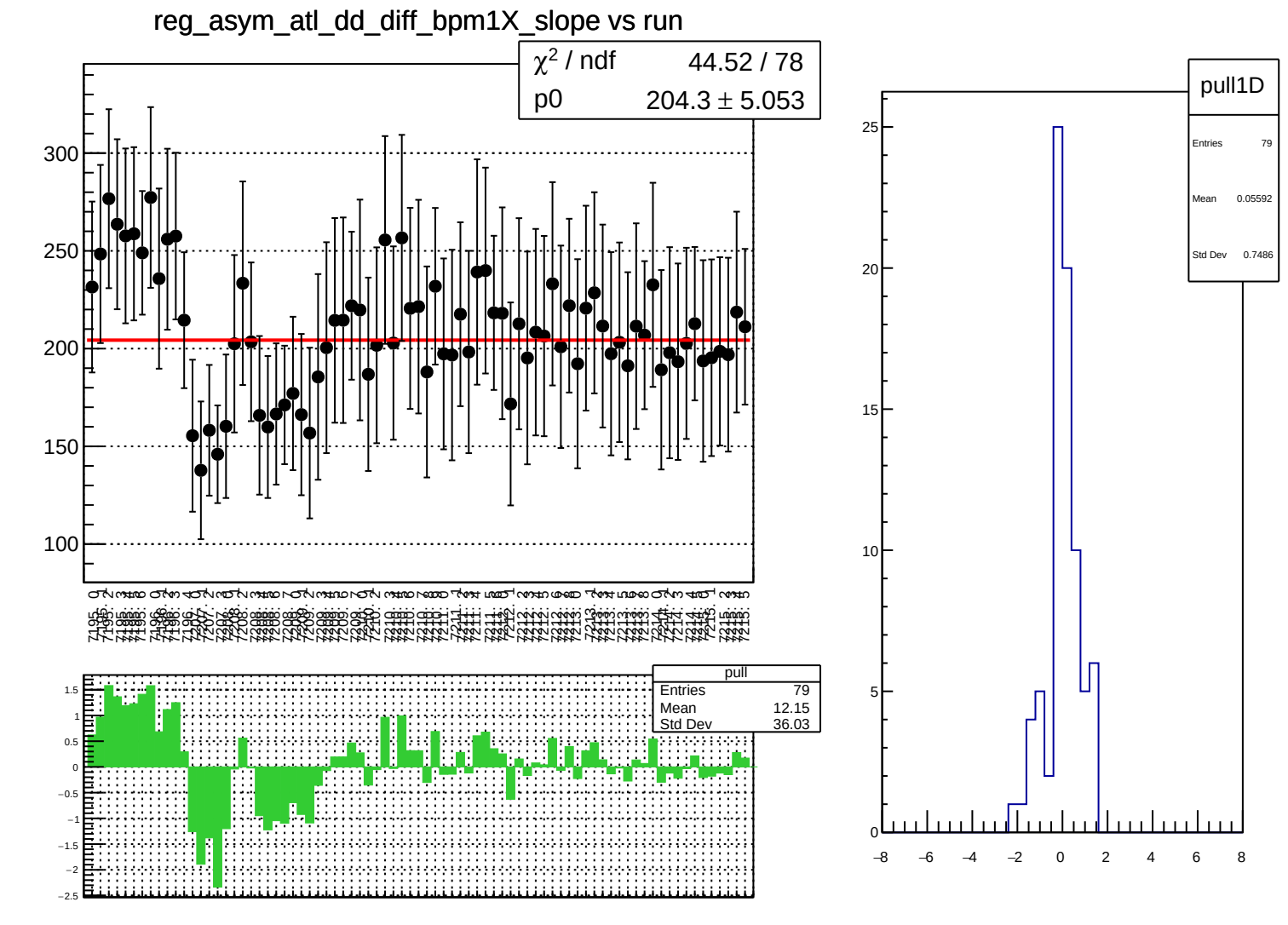

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 20.13 / 78
p0 4.684 ± 4.286
pull
Entries 79
Mean −277.3
Std Dev 335

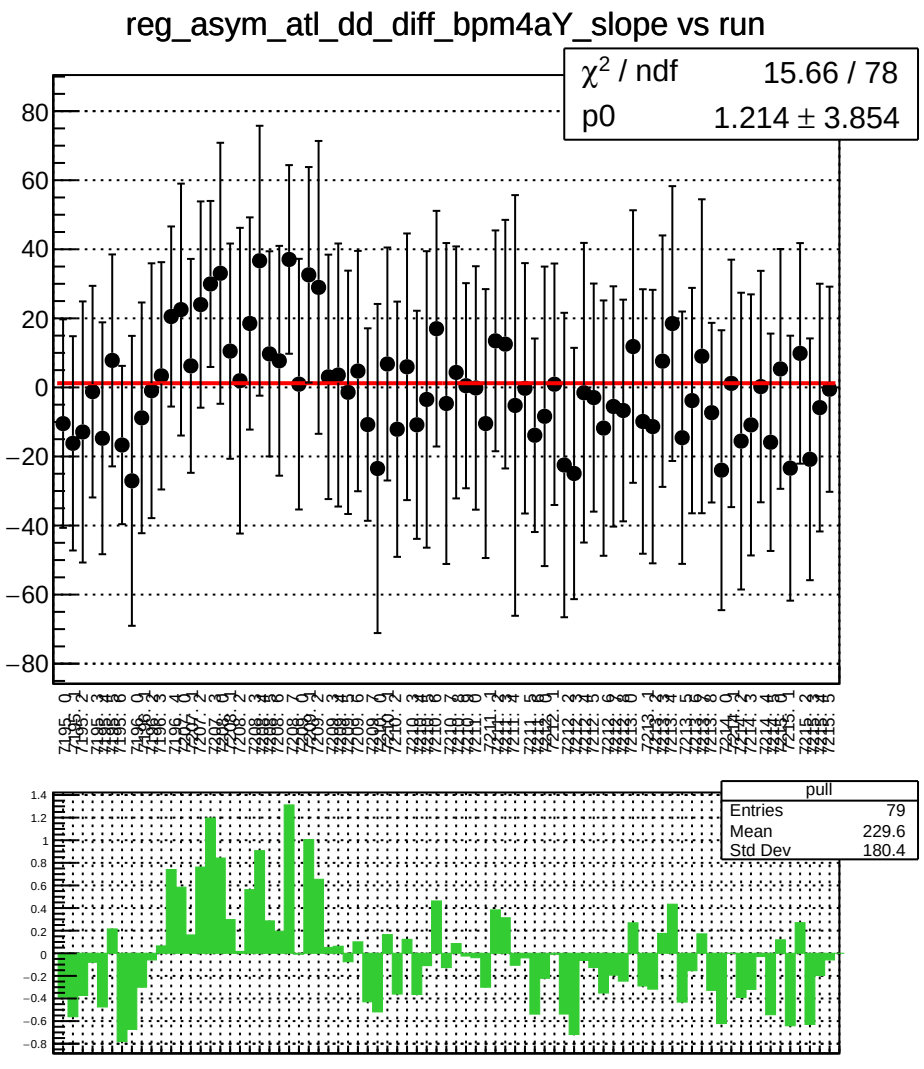

pull1D
Entries 79
Mean −0.004486
Std Dev 0.5048

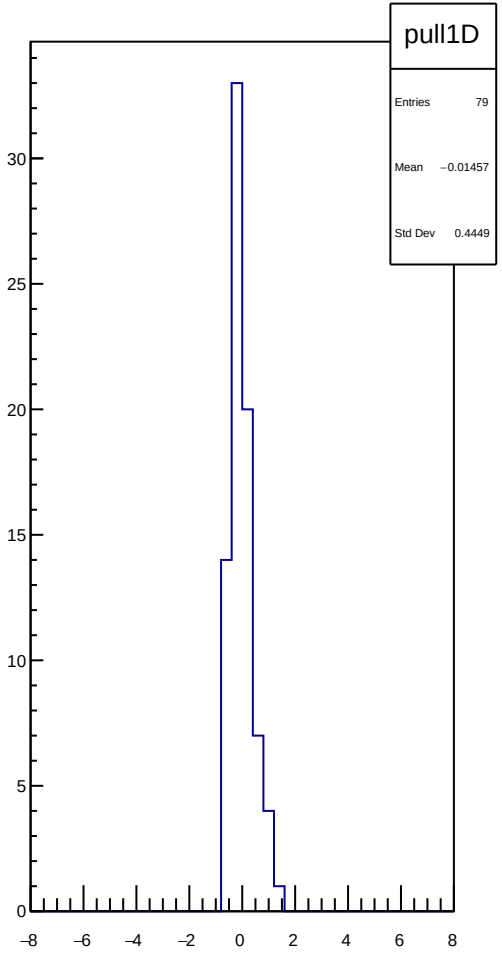

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 68.18 / 78
p0 198.1 ± 5.656
pull
Entries 79
Mean 48.25
Std Dev 41.67
pull1D
Entries 79
Mean 0.08483
Std Dev 0.9251

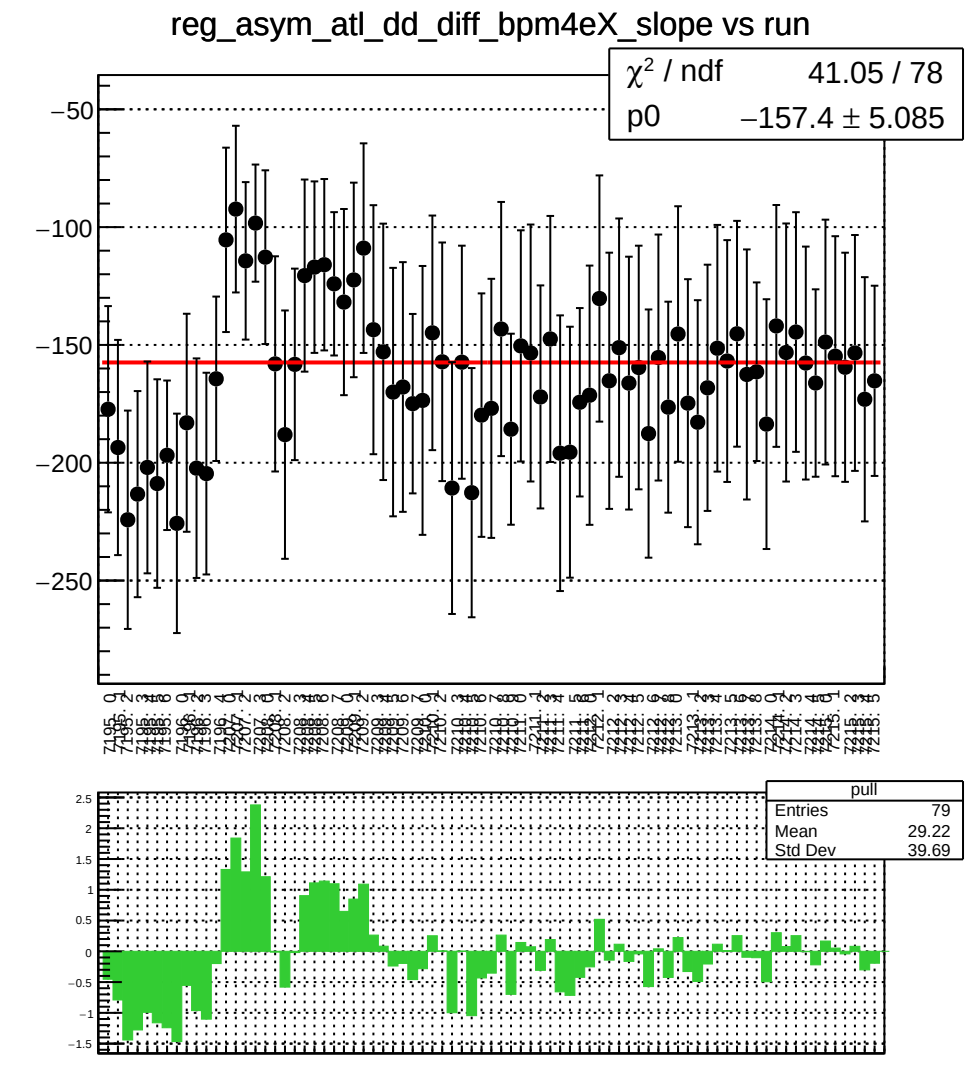

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 19.98 / 78
p0 55.52 ± 4.763
pull
Entries 79
Mean 444.1
Std Dev 398.2
pull1D
Entries 79
Mean −0.006854
Std Dev 0.5029

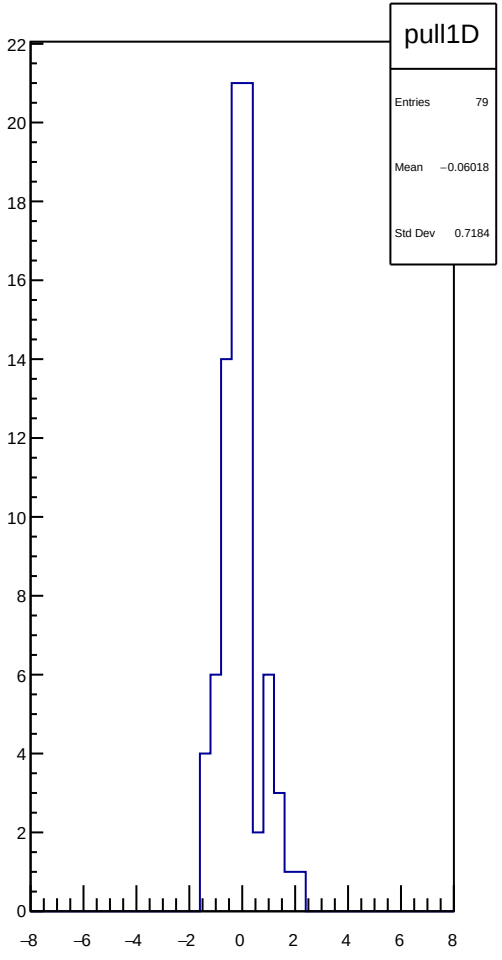

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 3886 / 78
p0 −125.4 ± 0.2003
−120
−130
−140
−150
−160
pull
Entries 79
Mean 510.6
Std Dev 478.9
5
0
−5
−10
−15
−20
pull1D
Entries 79
Mean 3.155
Std Dev 0.5021
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

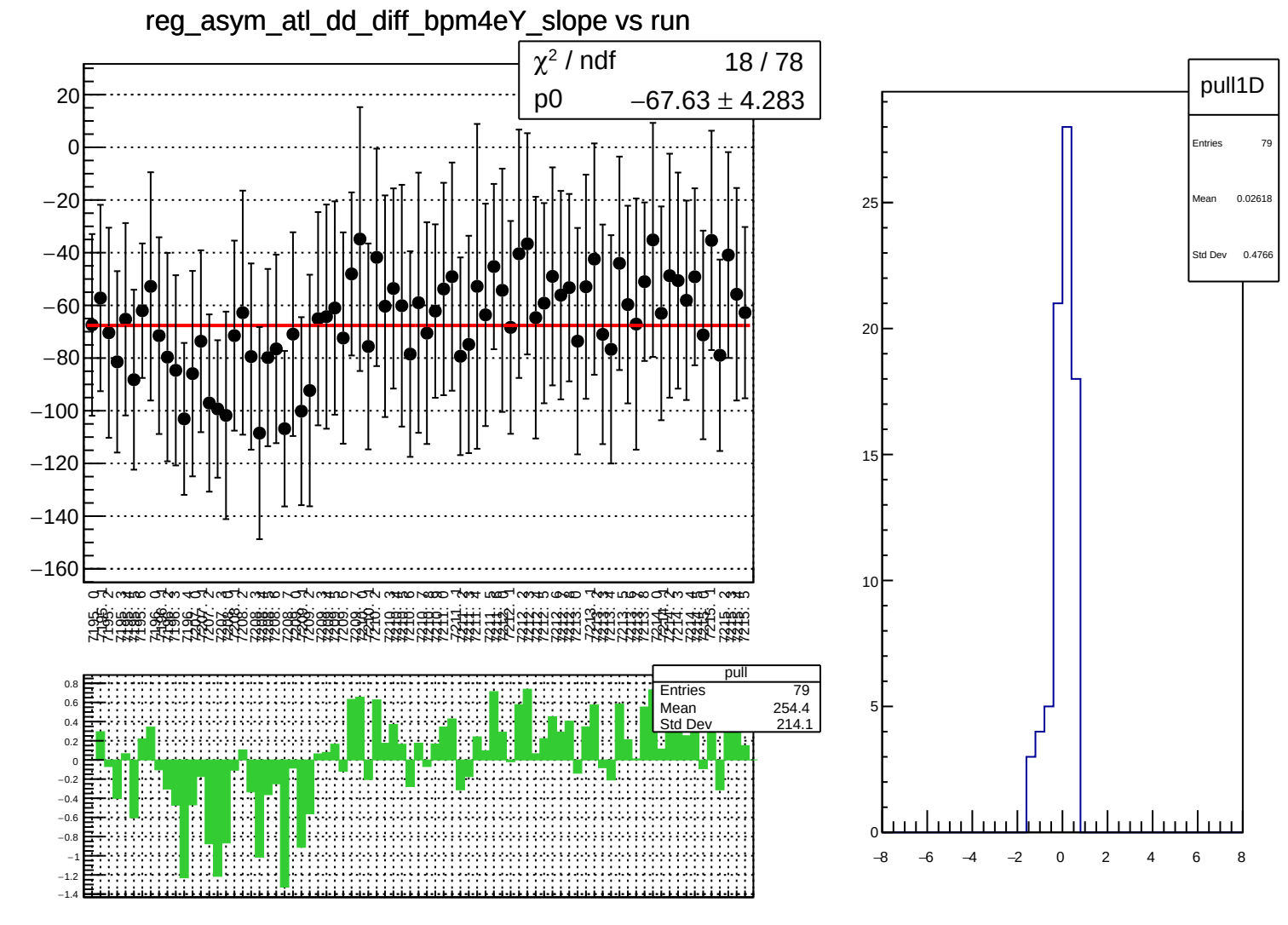

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 44.52 / 78
p0 204.3 ± 5.053
pull
Entries 79
Mean 12.15
Std Dev 36.03
pull1D
Entries 79
Mean 0.05592
Std Dev 0.7486

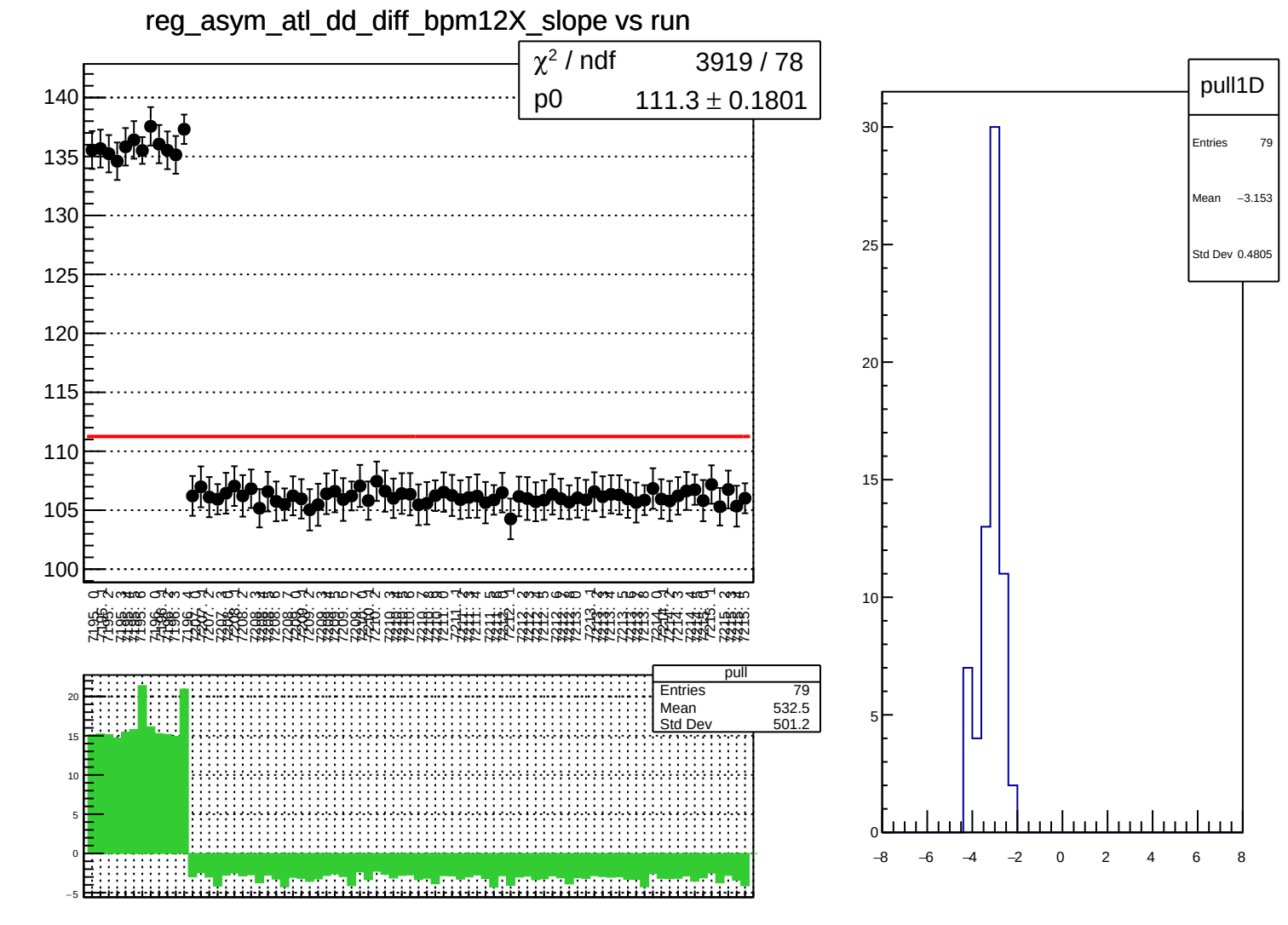

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.66 / 78
p0 1.214 ± 3.854
pull
Entries 79
Mean 229.6
Std Dev 180.4

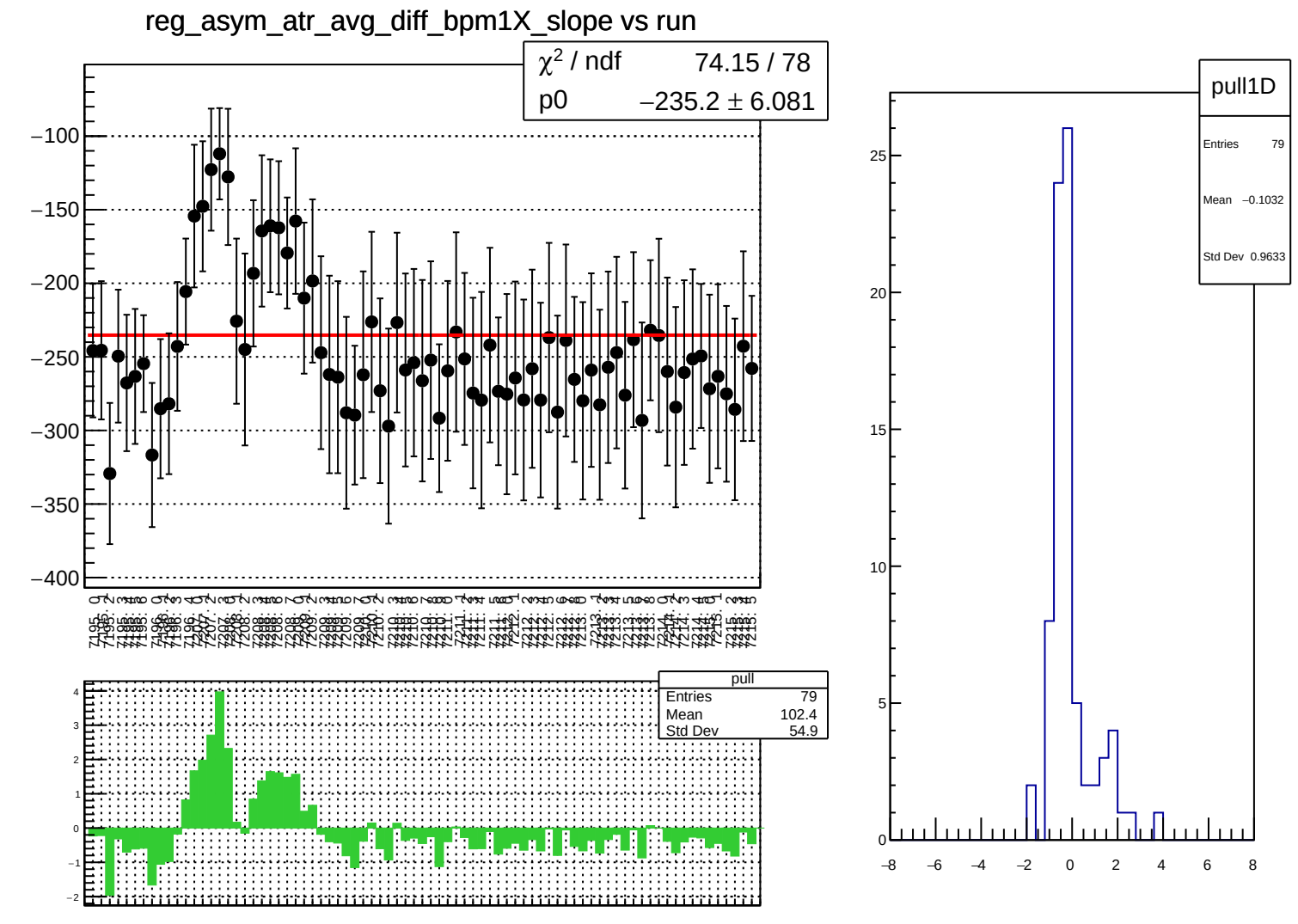

pull1D
Entries 79
Mean −0.01457
Std Dev 0.4449

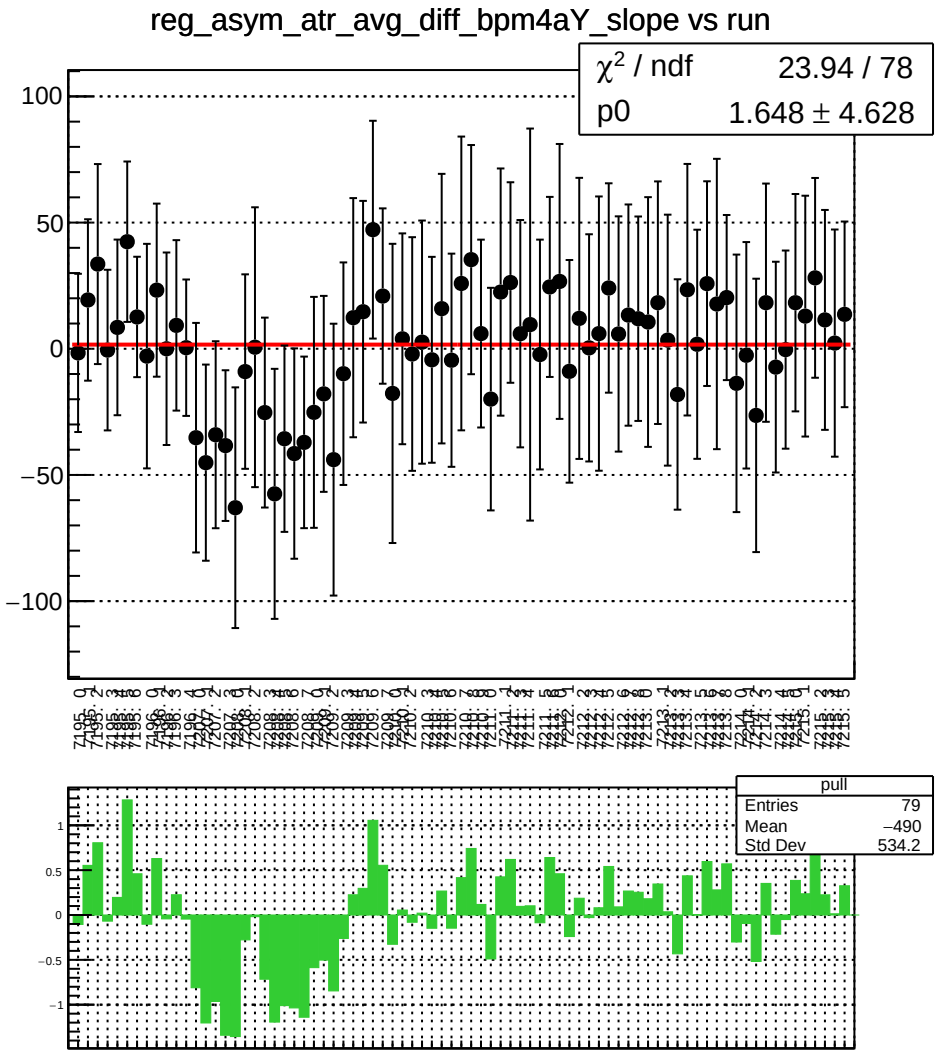

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 41.05 / 78
p0 −157.4 ± 5.085
pull
Entries 79
Mean 29.22
Std Dev 39.69

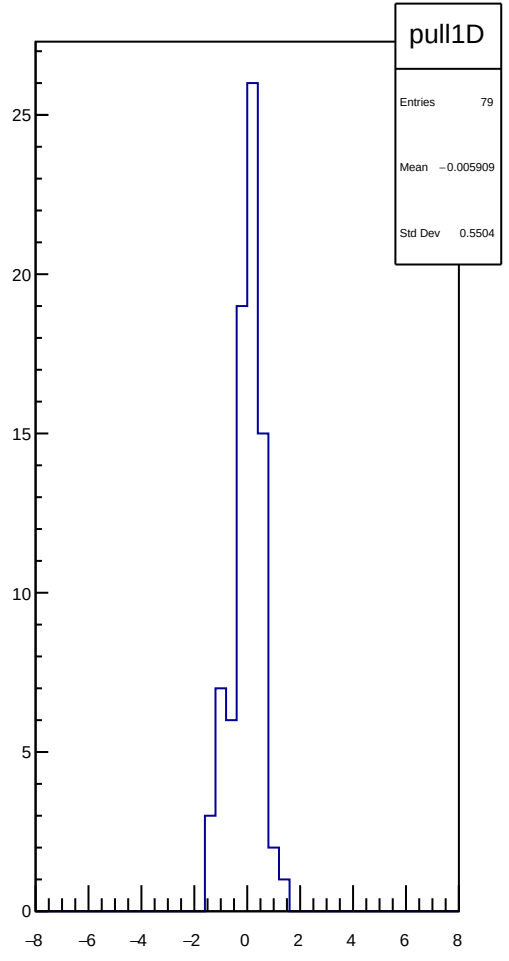

pull1D
Entries 79
Mean −0.06018
Std Dev 0.7184

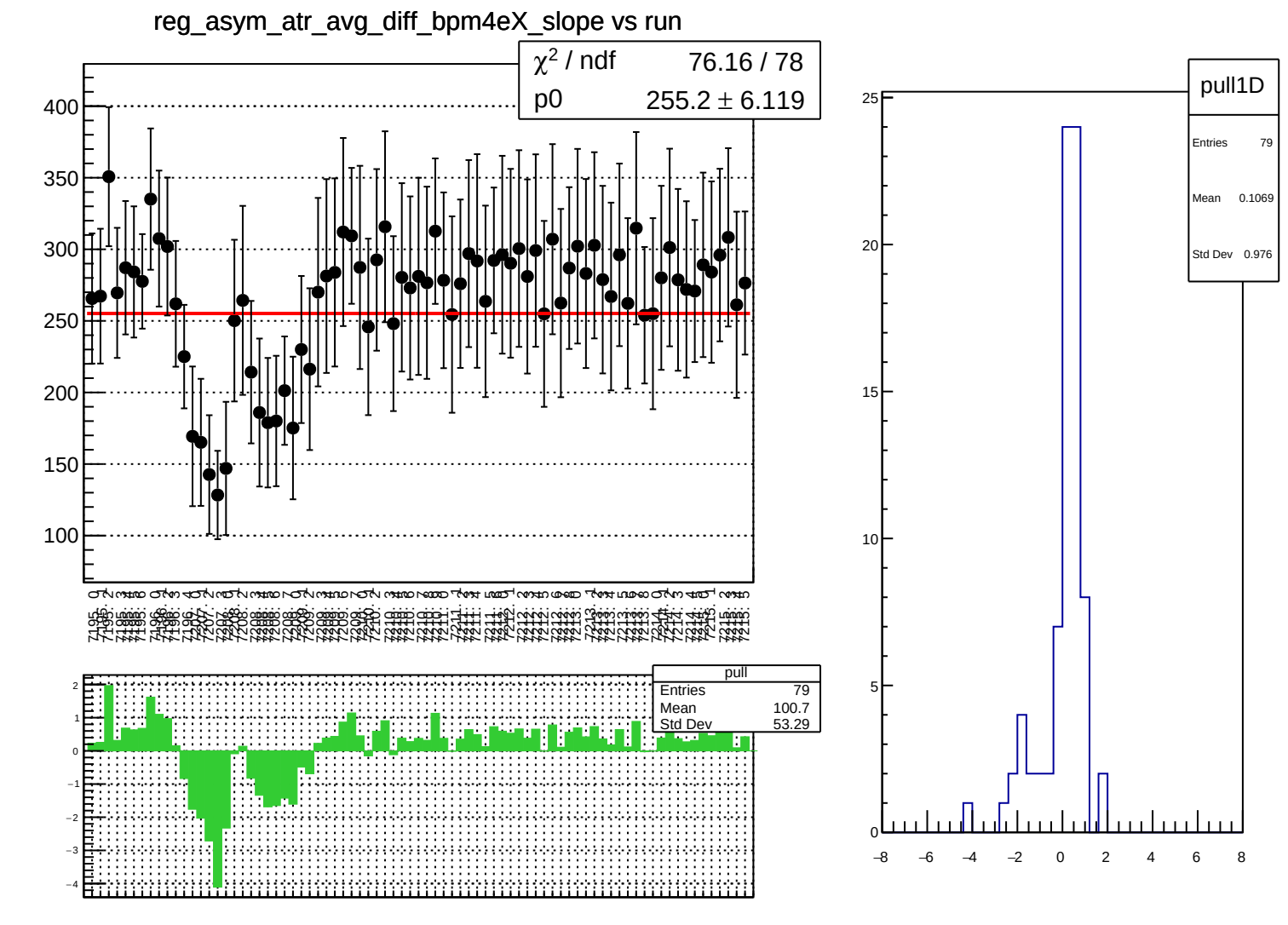

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 18 / 78
p0 −67.63 ± 4.283
pull
Entries 79
Mean 254.4
Std Dev 214.1
pull1D
Entries 79
Mean 0.02618
Std Dev 0.4766

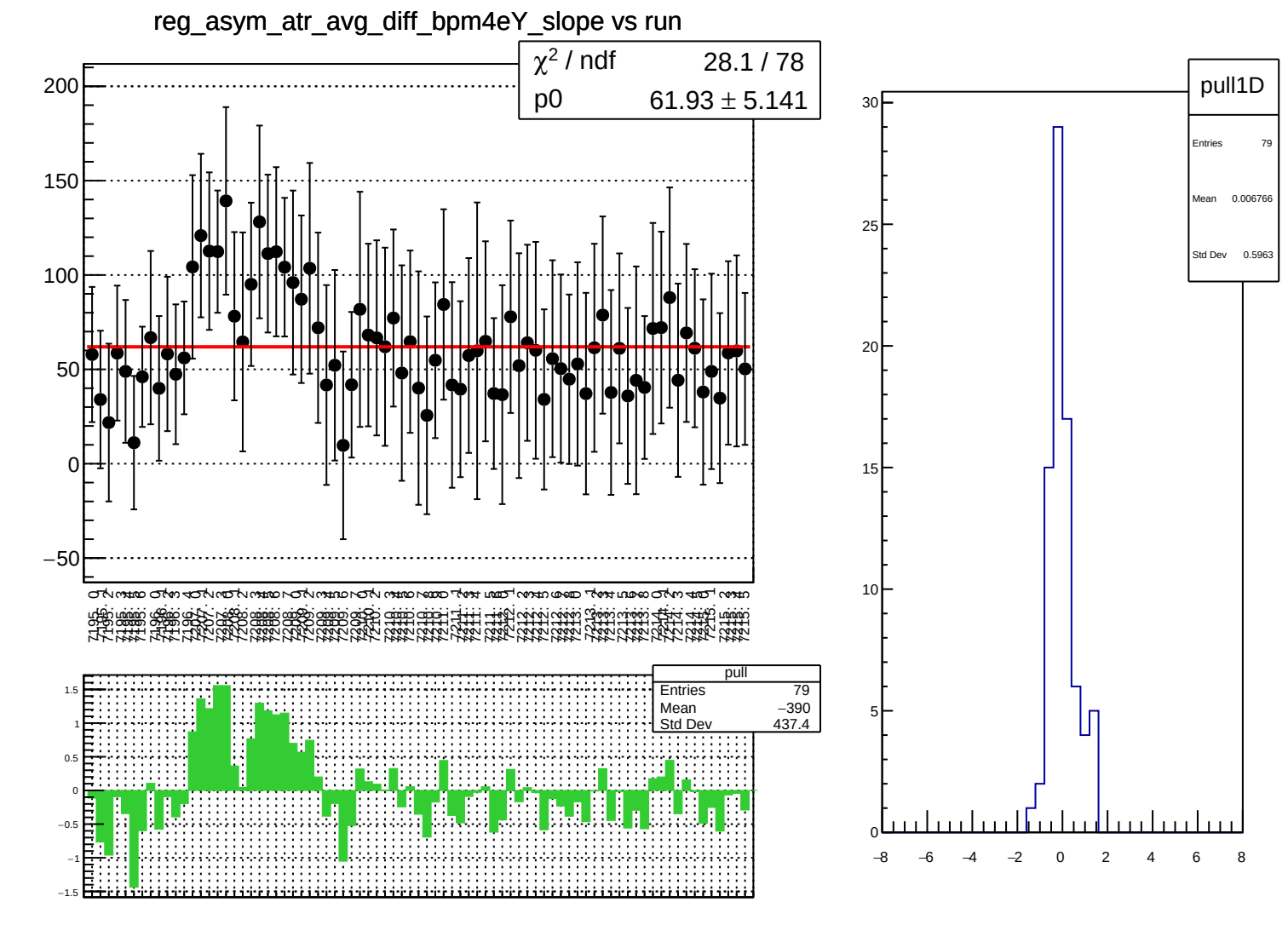

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 3919 / 78
p0 111.3 ± 0.1801
pull
Entries 79
Mean 532.5
Std Dev 501.2
pull1D
Entries 79
Mean −3.153
Std Dev 0.4805

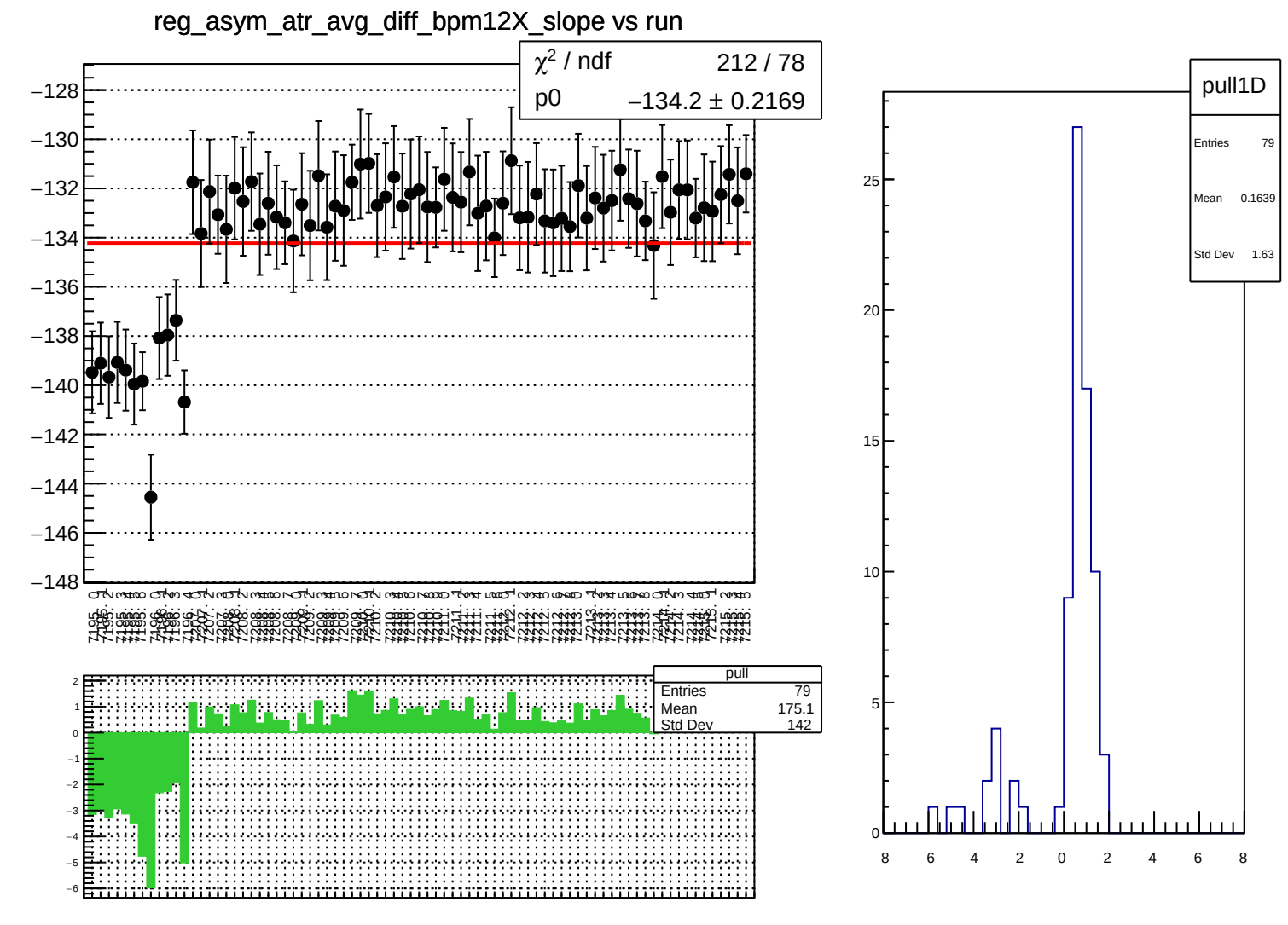

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 74.15 / 78
p0 −235.2 ± 6.081
pull
Entries 79
Mean 102.4
Std Dev 54.9
pull1D
Entries 79
Mean −0.1032
Std Dev 0.9633

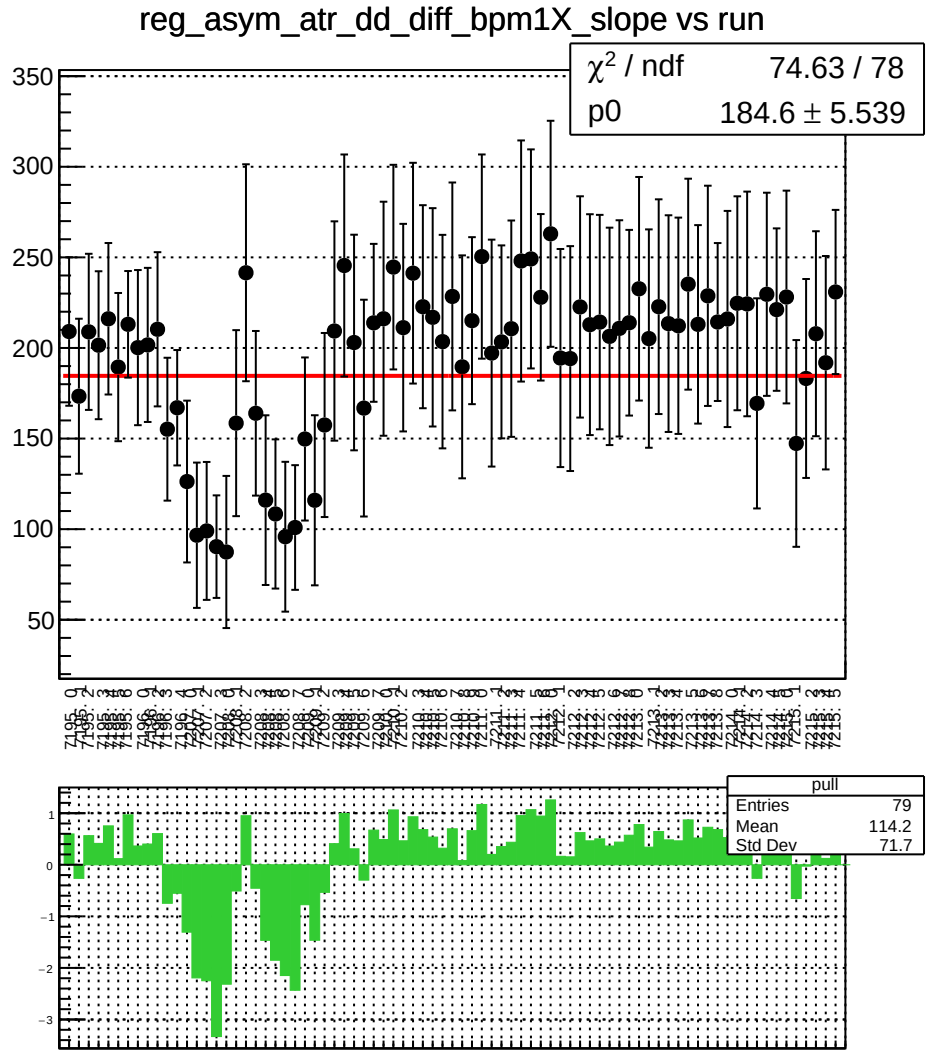

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 23.94 / 78
p0 1.648 ± 4.628
100
50
0
−50
−100
pull
Entries 79
Mean −490
Std Dev 534.2
1
0.5
0
−0.5
−1

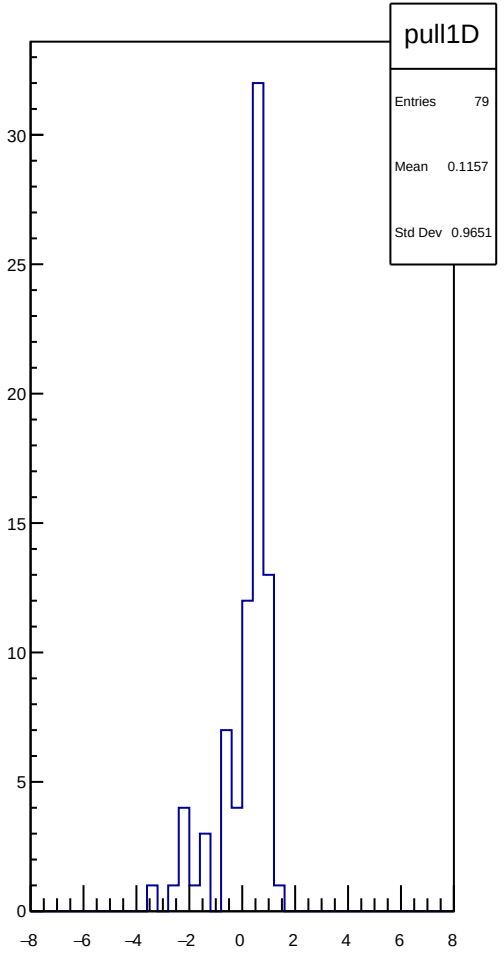

pull1D
Entries 79
Mean −0.005909
Std Dev 0.5504
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

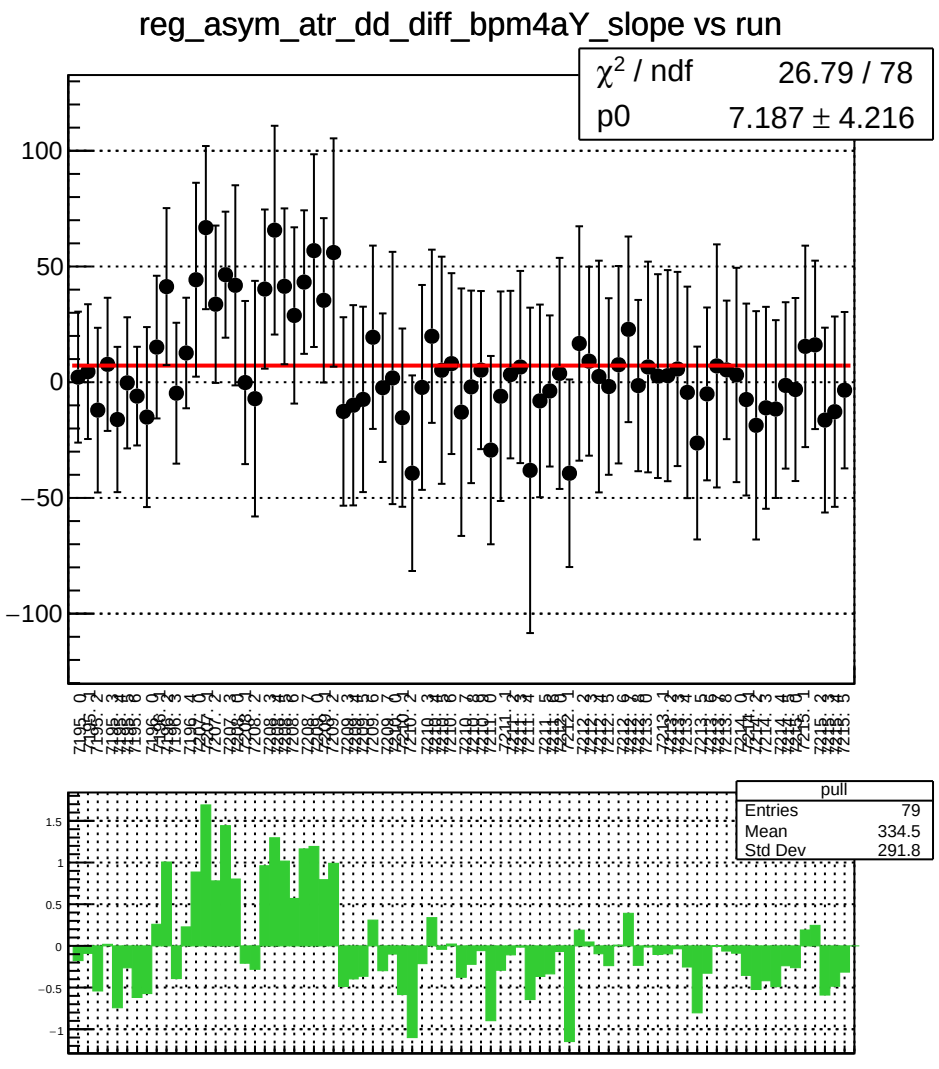

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 76.16 / 78
p0 255.2 ± 6.119
pull
Entries 79
Mean 100.7
Std Dev 53.29
pull1D
Entries 79
Mean 0.1069
Std Dev 0.976

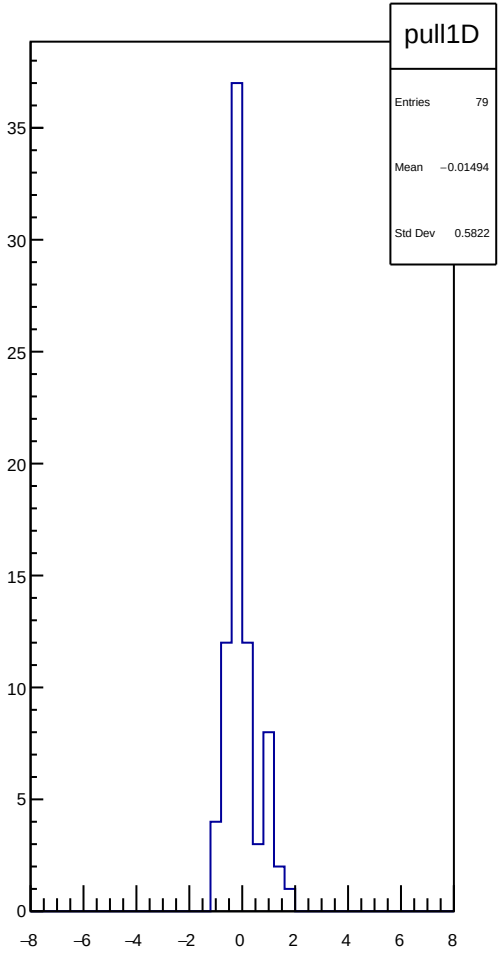

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 28.1 / 78
p0 61.93 ± 5.141
pull
Entries 79
Mean −390
Std Dev 437.4
pull1D
Entries 79
Mean 0.006766
Std Dev 0.5963

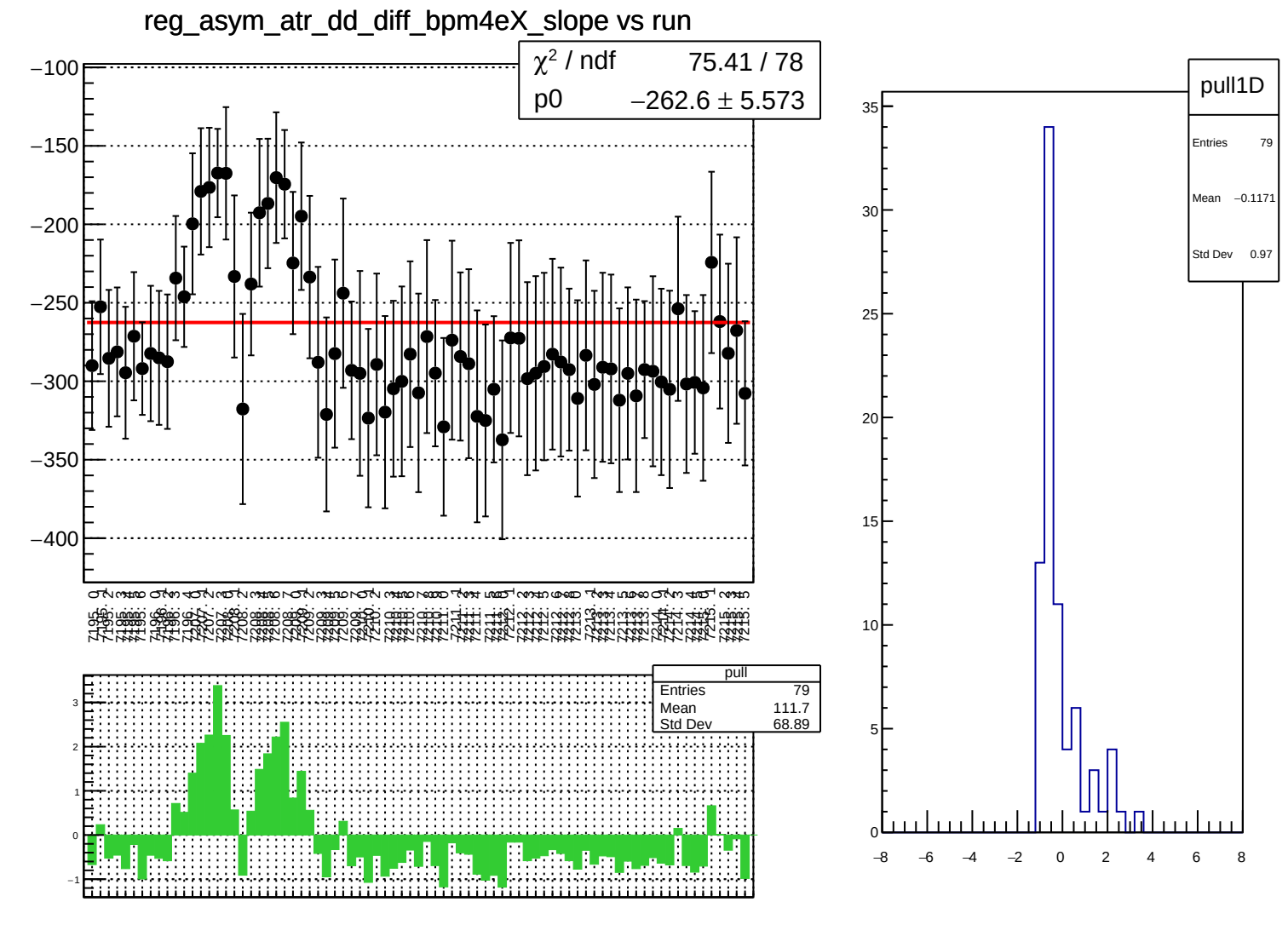

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 212 / 78
p0 −134.2 ± 0.2169
pull
Entries 79
Mean 175.1
Std Dev 142
pull1D
Entries 79
Mean 0.1639
Std Dev 1.63

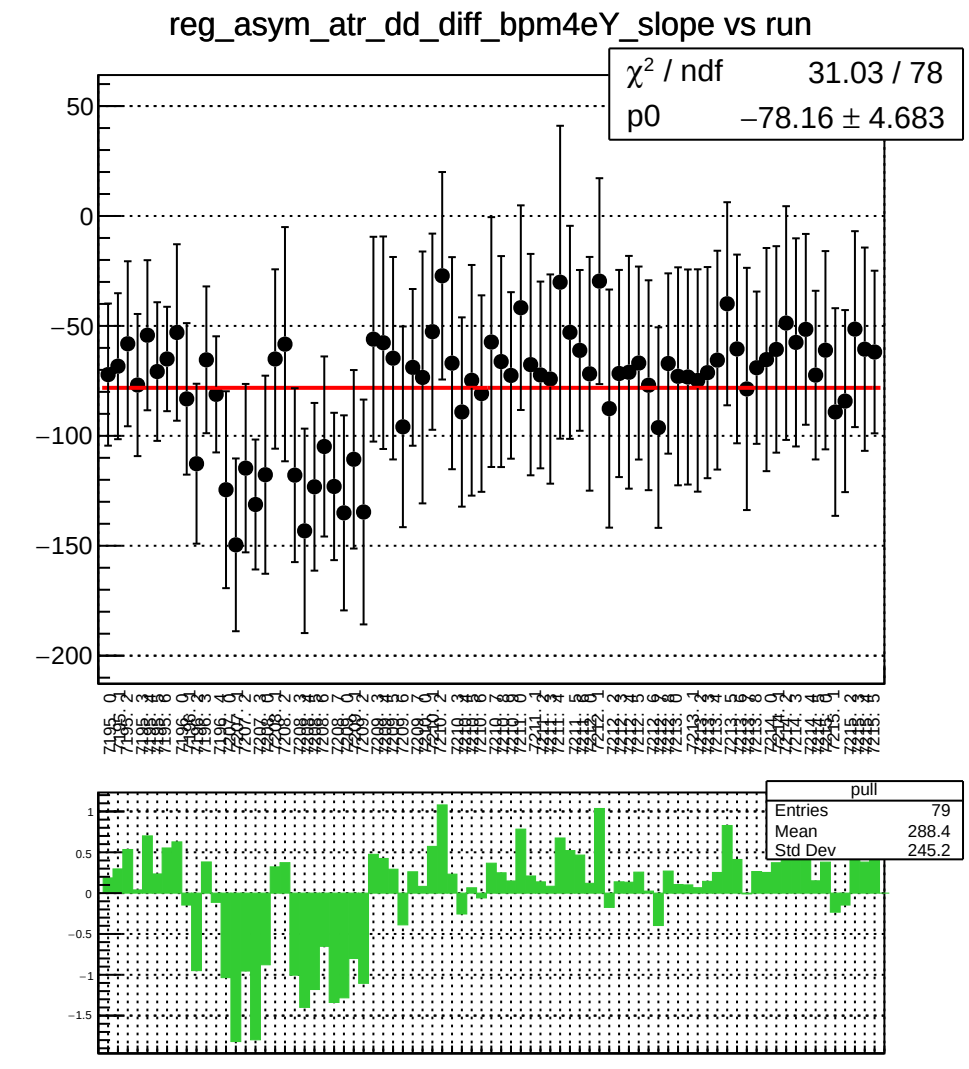

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ^2 / ndf 74.63 / 78
p0 184.6 ± 5.539
pull
Entries 79
Mean 114.2
Std Dev 71.7

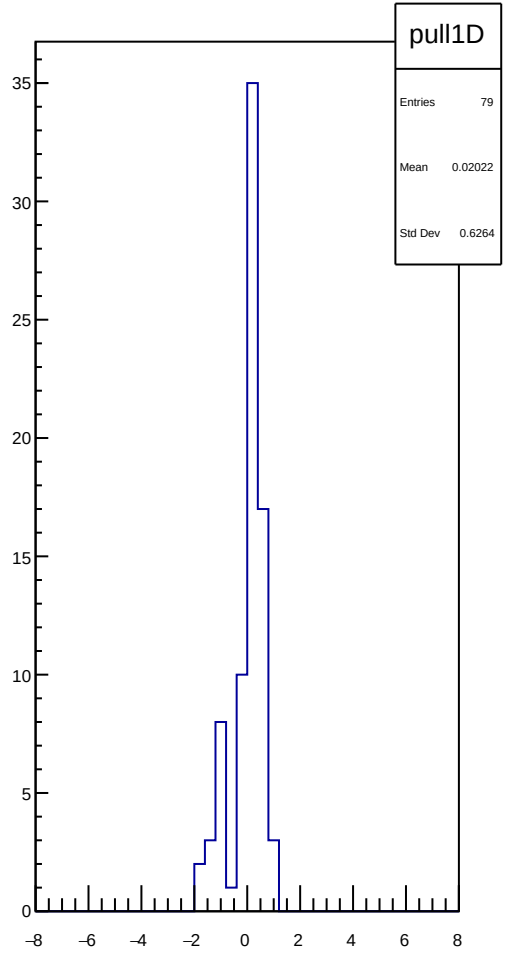

pull1D
Entries 79
Mean 0.1157
Std Dev 0.9651

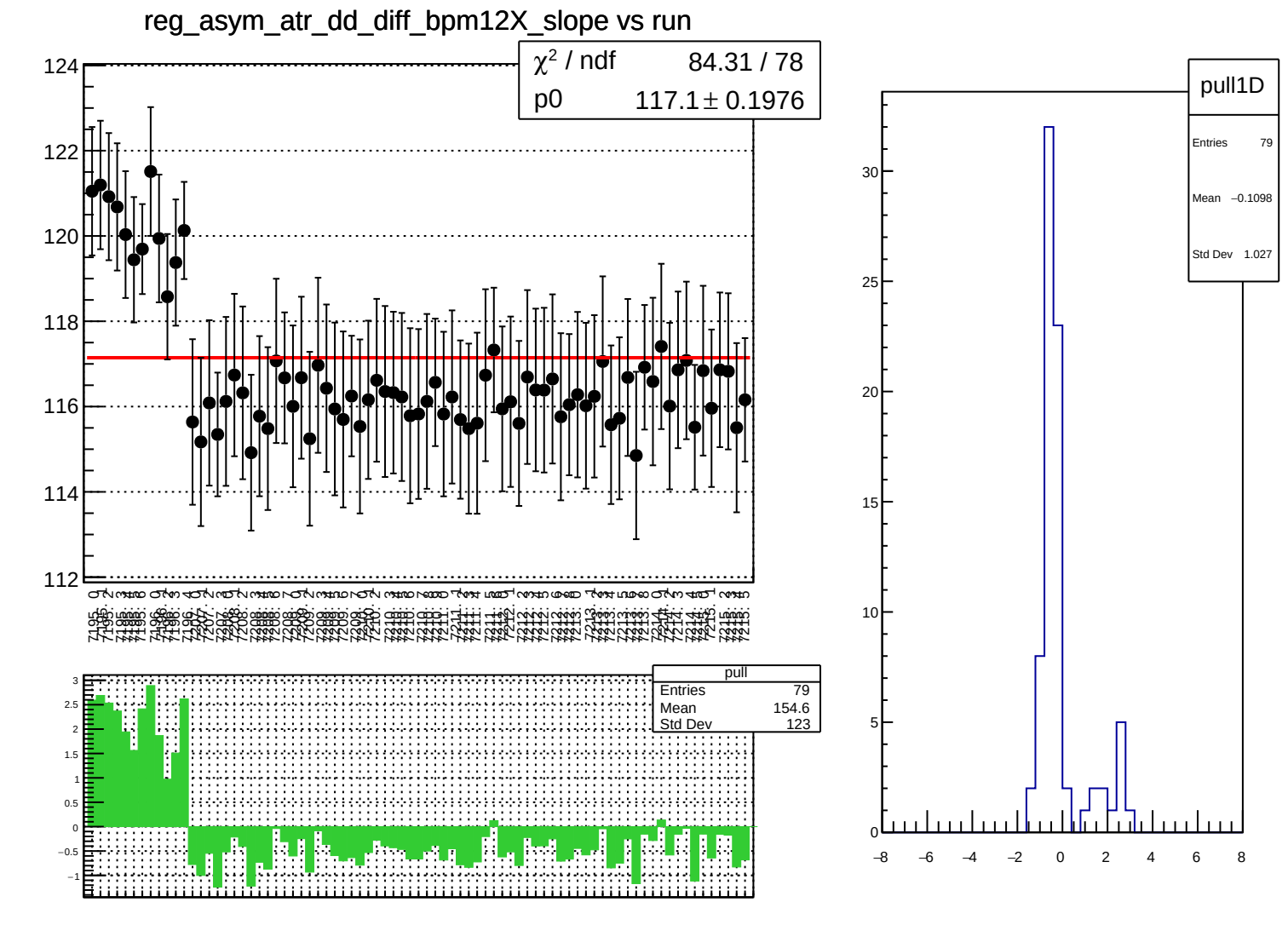

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 26.79 / 78
p0 7.187 ± 4.216
pull
Entries 79
Mean 334.5
Std Dev 291.8

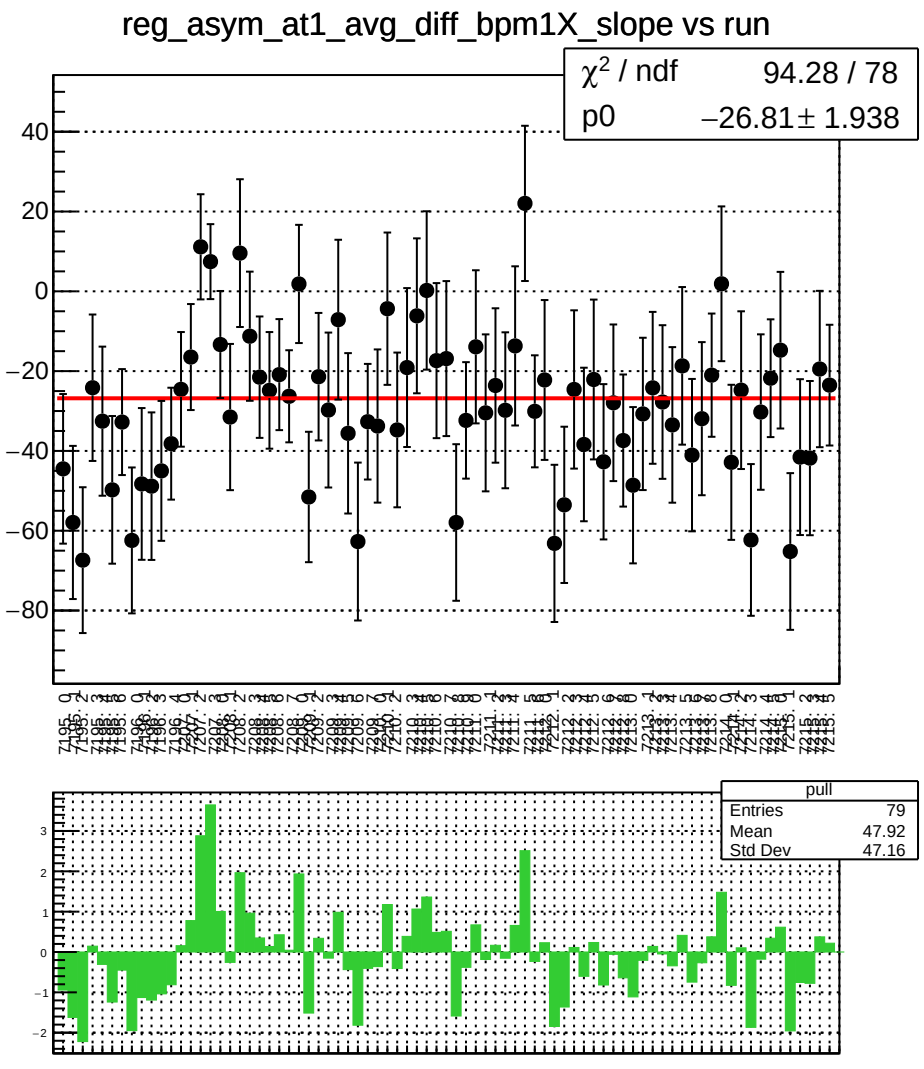

pull1D
Entries 79
Mean −0.01494
Std Dev 0.5822

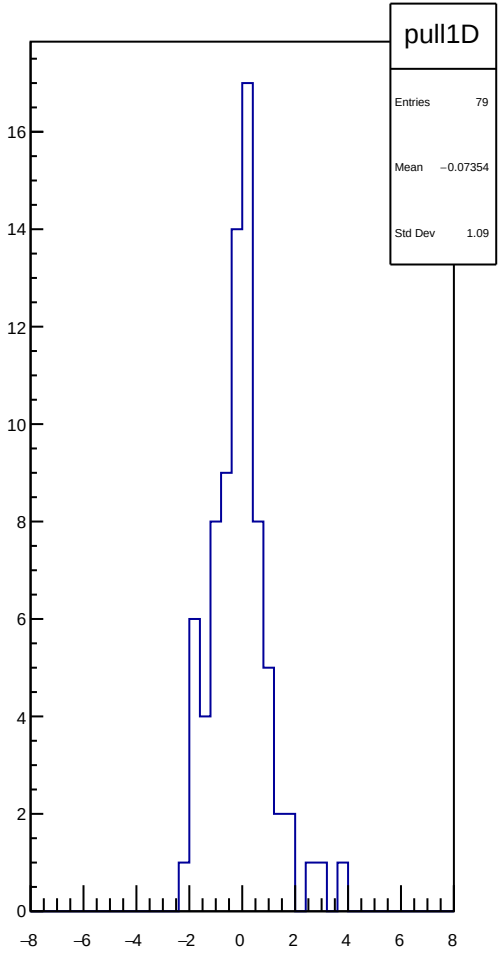

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 75.41 / 78
p0 −262.6 ± 5.573
pull
Entries 79
Mean 111.7
Std Dev 68.89
pull1D
Entries 79
Mean −0.1171
Std Dev 0.97

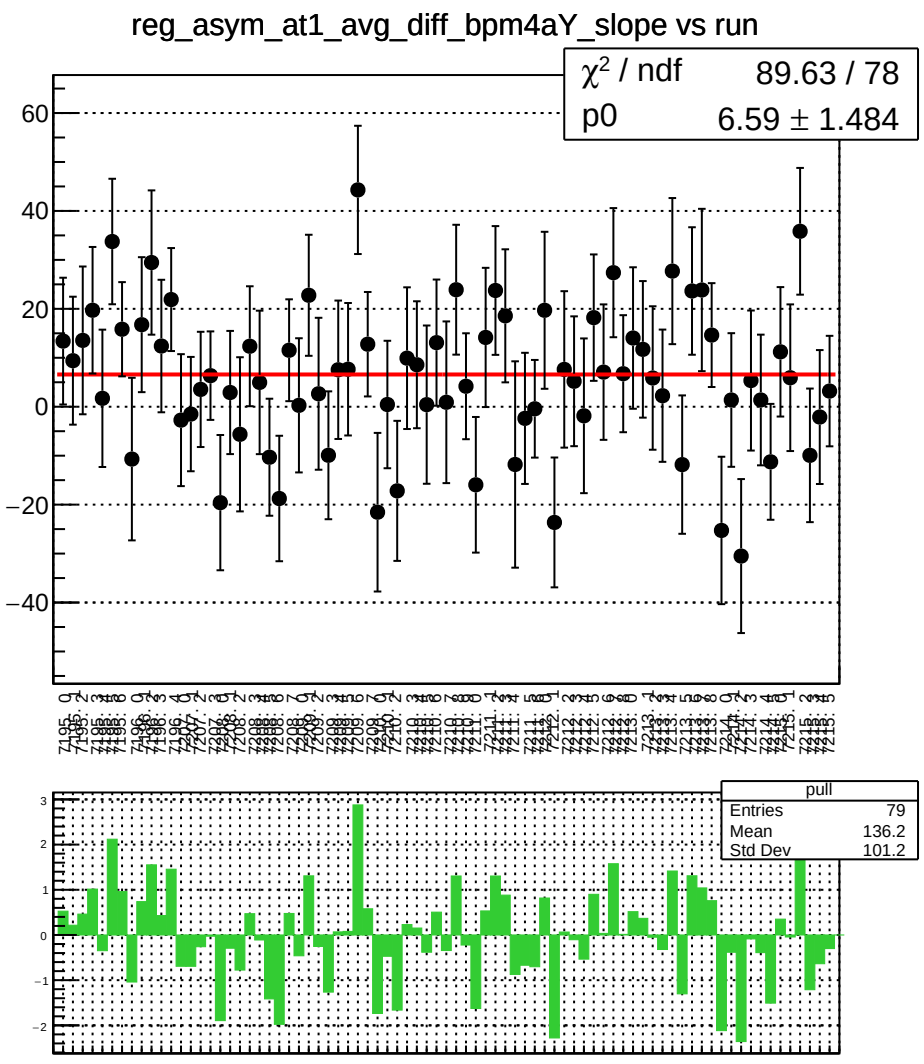

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 31.03 / 78
p0 −78.16 ± 4.683
pull
Entries 79
Mean 288.4
Std Dev 245.2

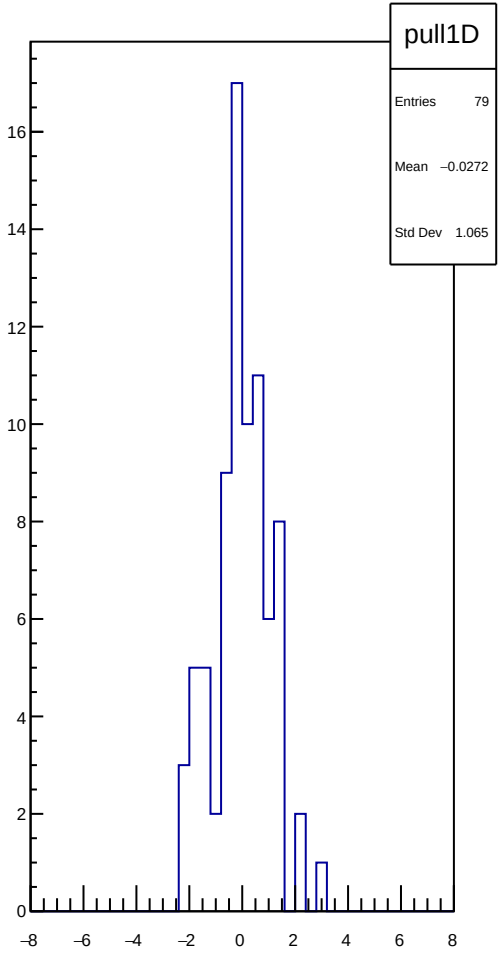

pull1D
Entries 79
Mean 0.02022
Std Dev 0.6264

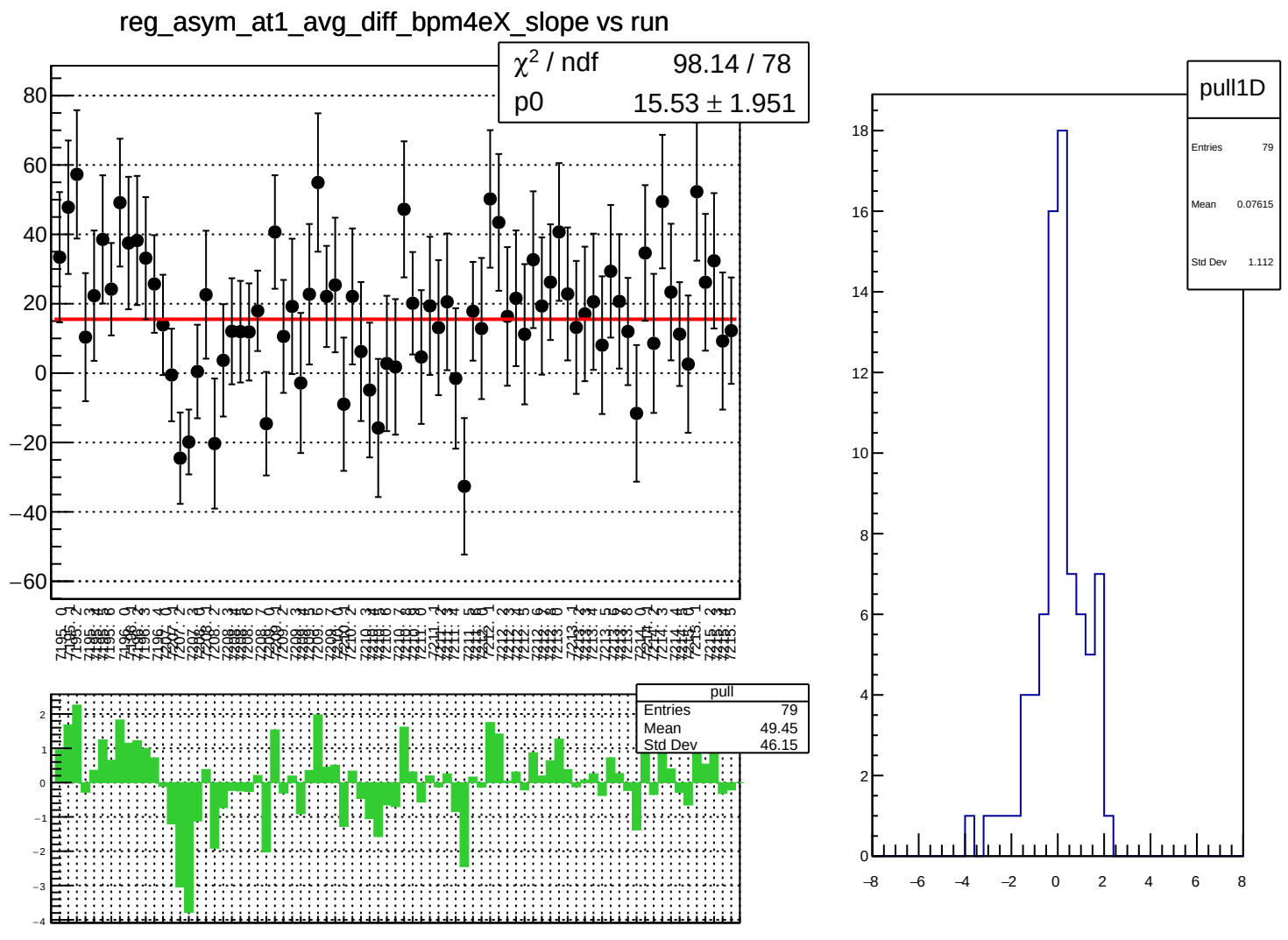

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ^2 / ndf 84.31 / 78
p0 117.1 ± 0.1976
pull
Entries 79
Mean 154.6
Std Dev 123
pull1D
Entries 79
Mean −0.1098
Std Dev 1.027

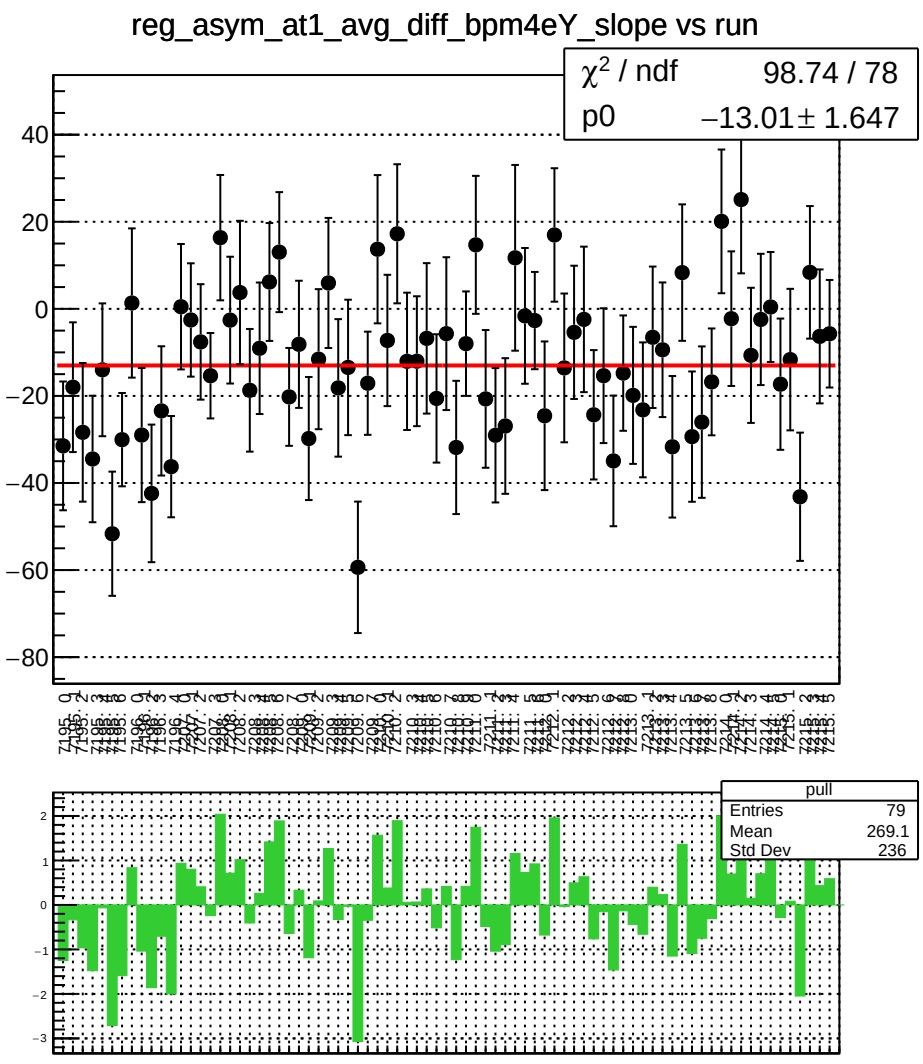

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 94.28 / 78
p0 −26.81 ± 1.938
pull
Entries 79
Mean 47.92
Std Dev 47.16

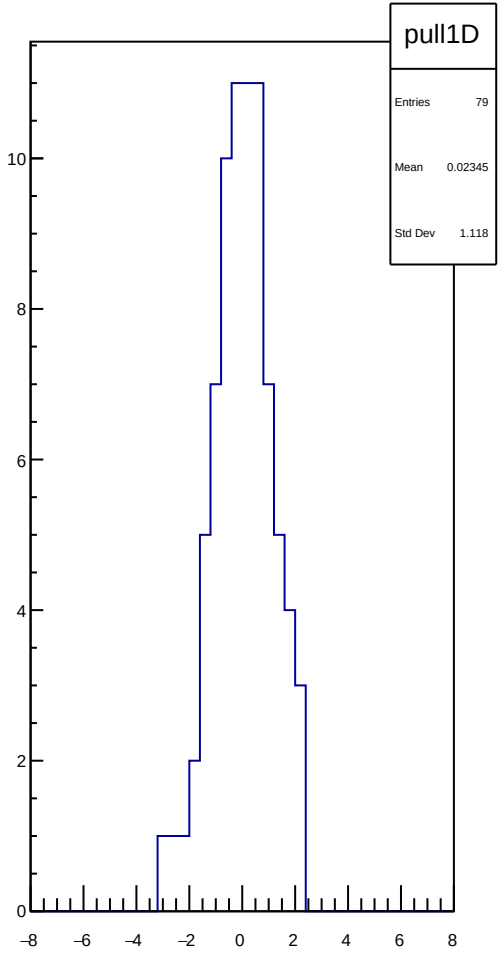

pull1D
Entries 79
Mean −0.07354
Std Dev 1.09

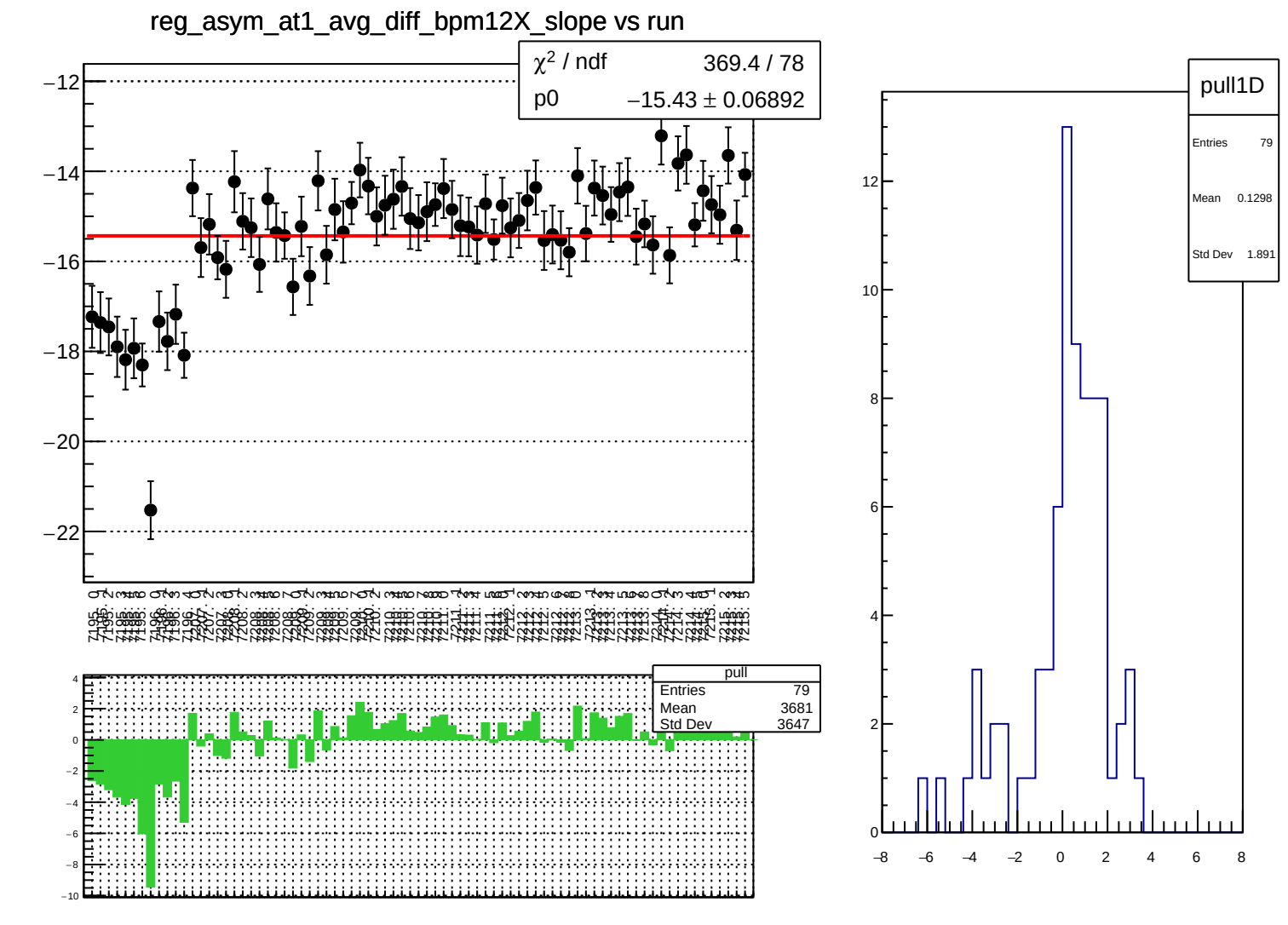

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 89.63 / 78
p0 6.59 ± 1.484
pull
Entries 79
Mean 136.2
Std Dev 101.2

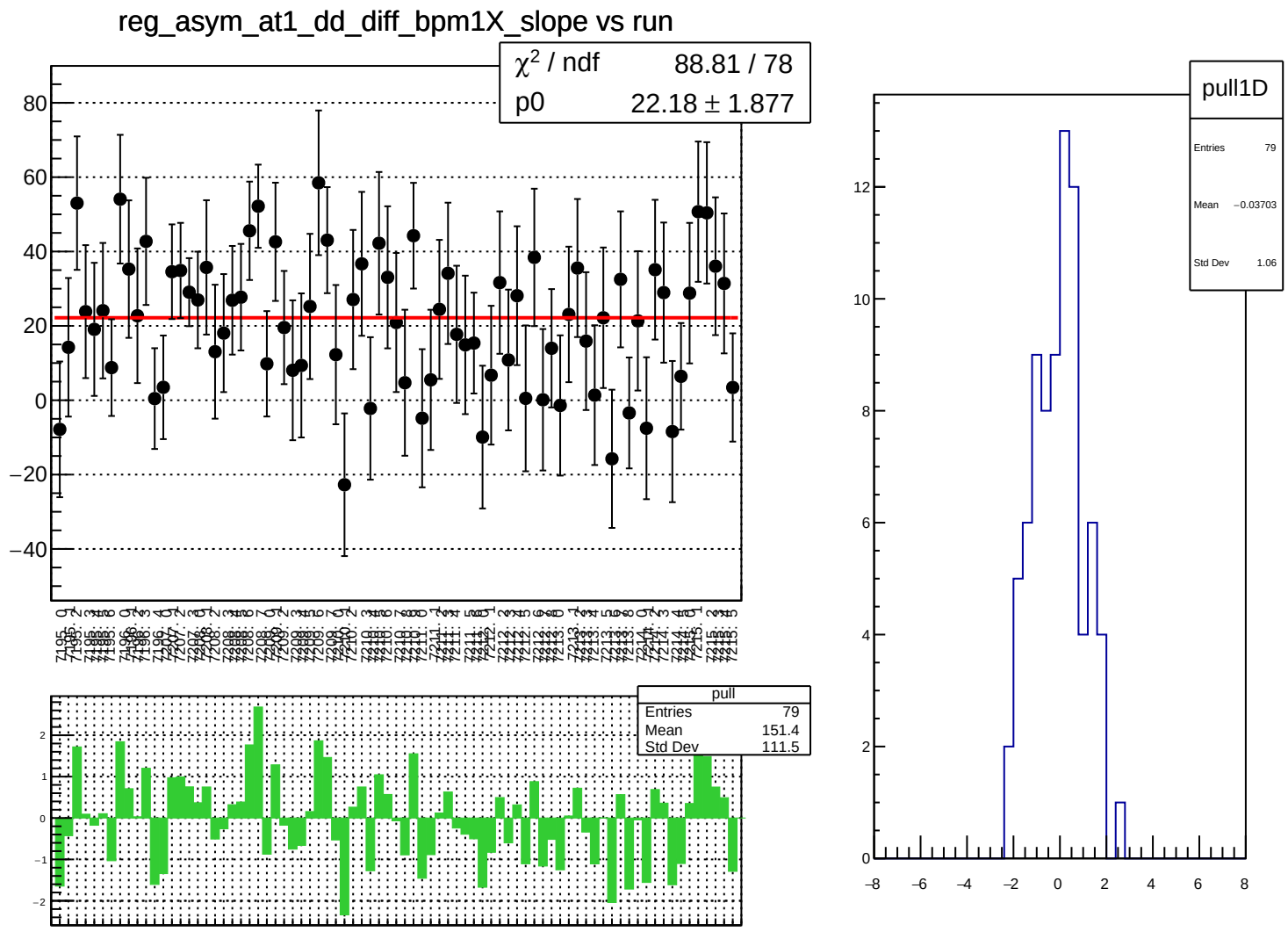

pull1D
Entries 79
Mean −0.0272
Std Dev 1.065

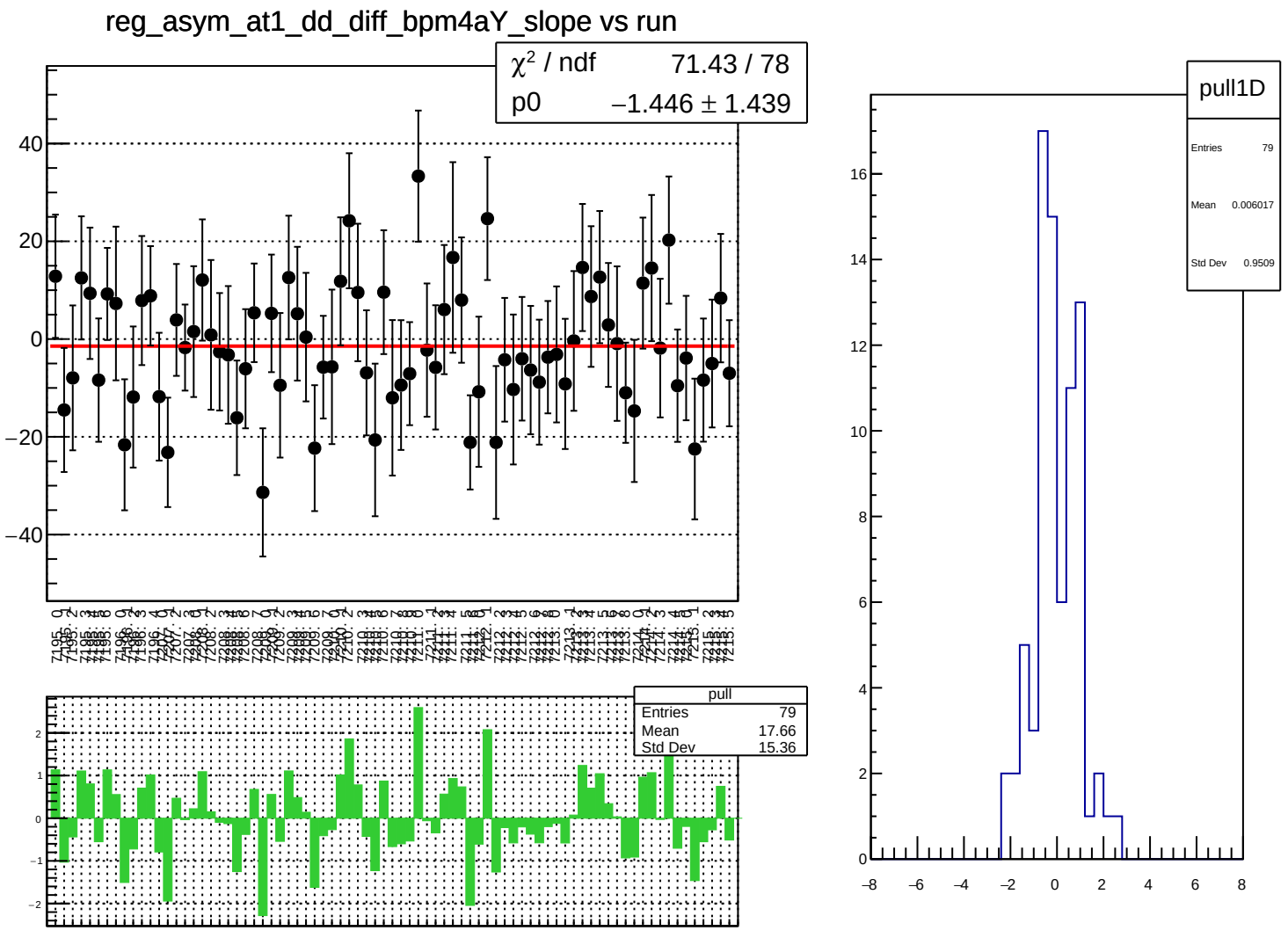

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 98.14 / 78
p0 15.53 ± 1.951
pull
Entries 79
Mean 49.45
Std Dev 46.15
pull1D
Entries 79
Mean 0.07615
Std Dev 1.112

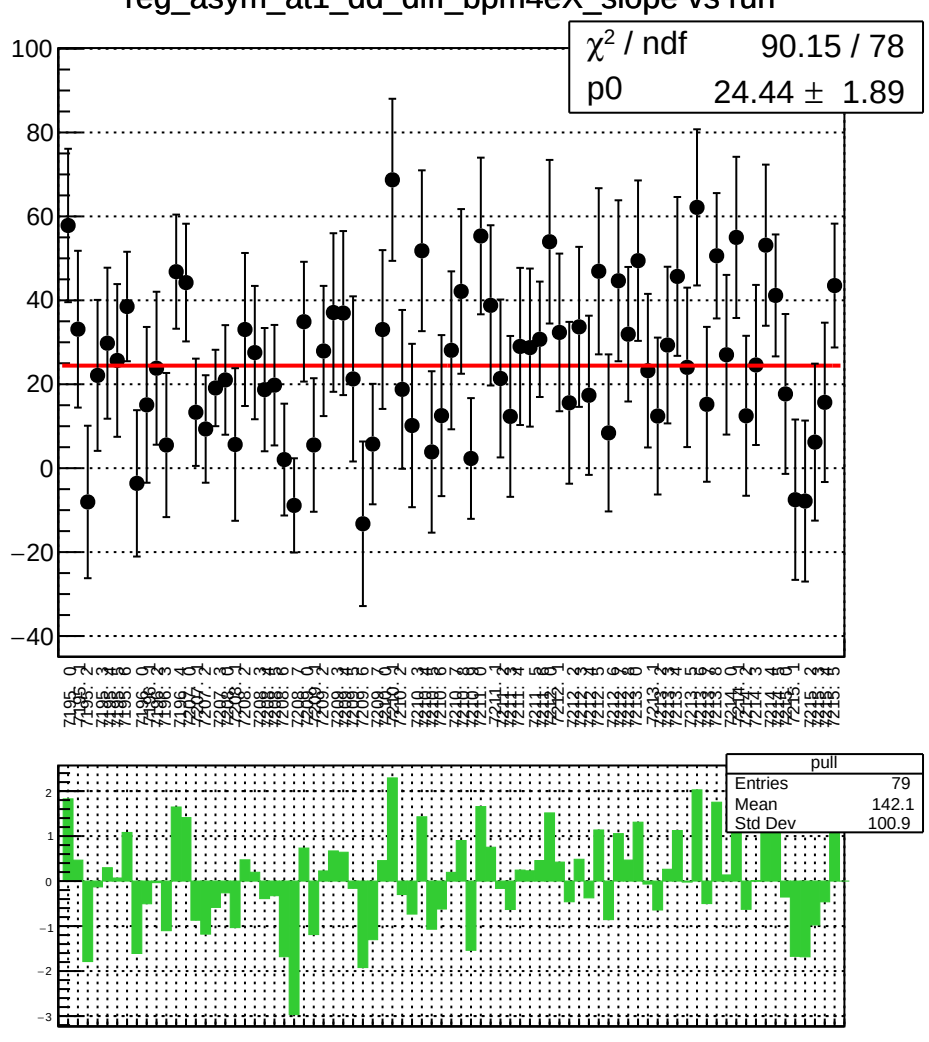

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 98.74 / 78
p0 −13.01± 1.647
pull
Entries 79
Mean 269.1
Std Dev 236

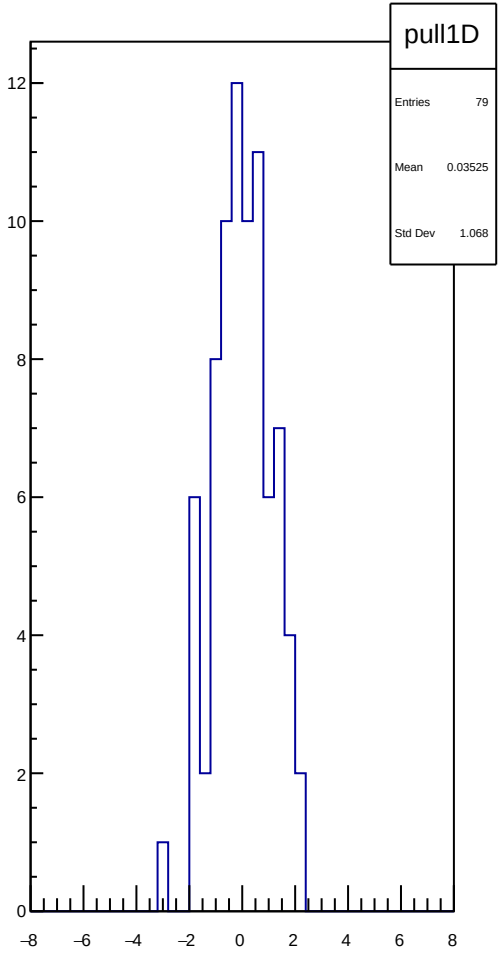

pull1D
Entries 79
Mean 0.02345
Std Dev 1.118

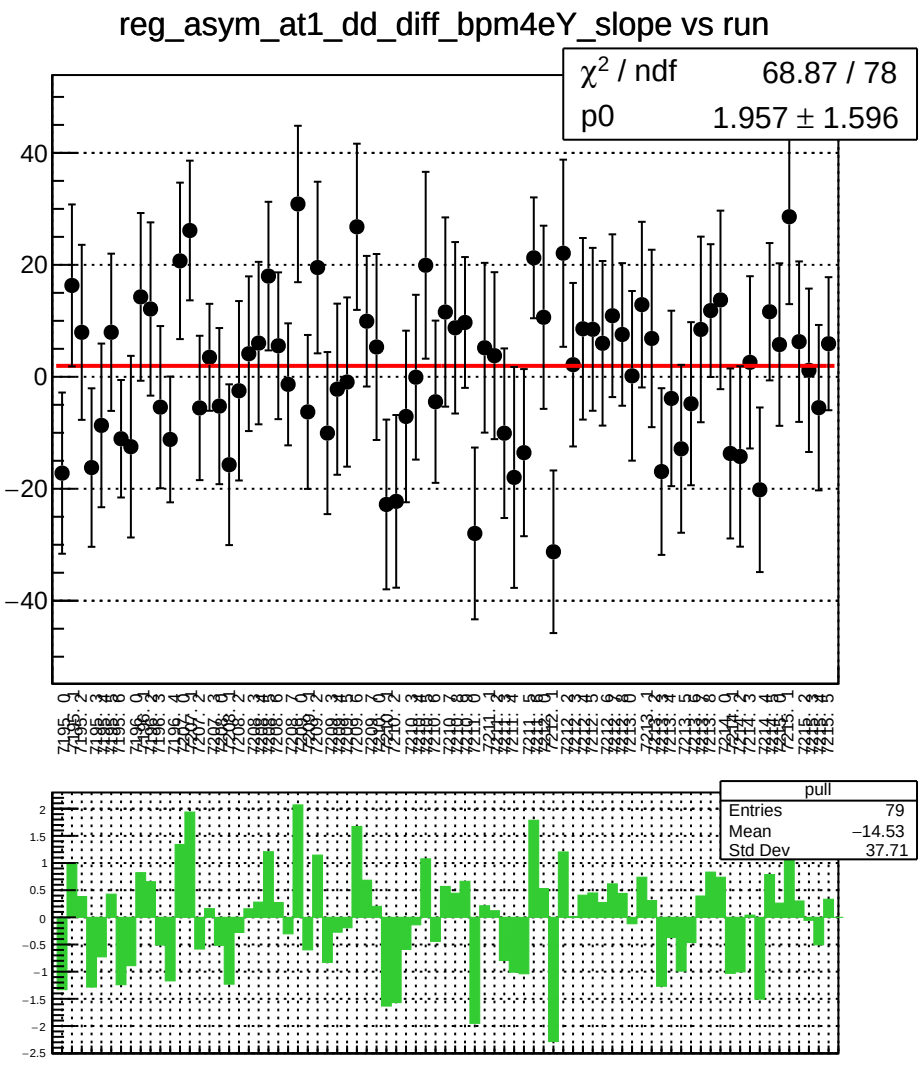

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 369.4 / 78
p0 −15.43 ± 0.06892
pull
Entries 79
Mean 3681
Std Dev 3647
pull1D
Entries 79
Mean 0.1298
Std Dev 1.891

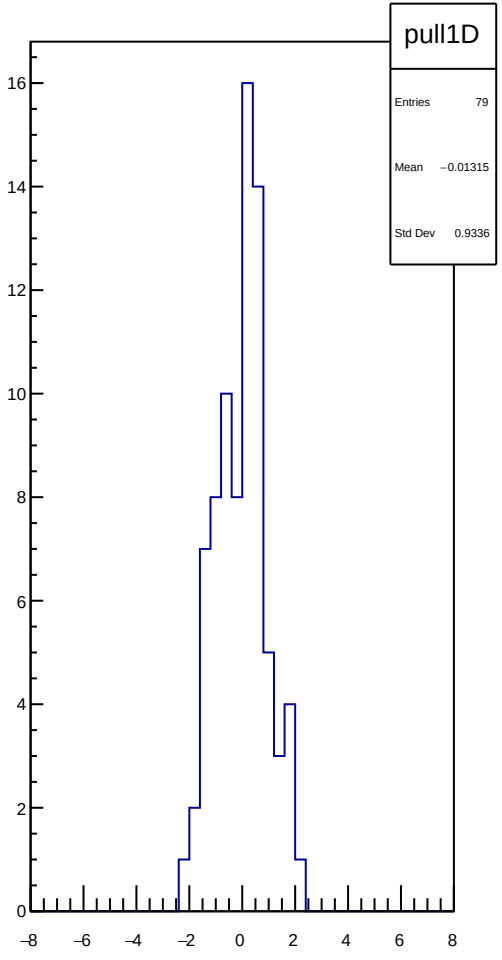

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 88.81 / 78
p0 22.18 ± 1.877
pull
Entries 79
Mean 151.4
Std Dev 111.5
pull1D
Entries 79
Mean −0.03703
Std Dev 1.06

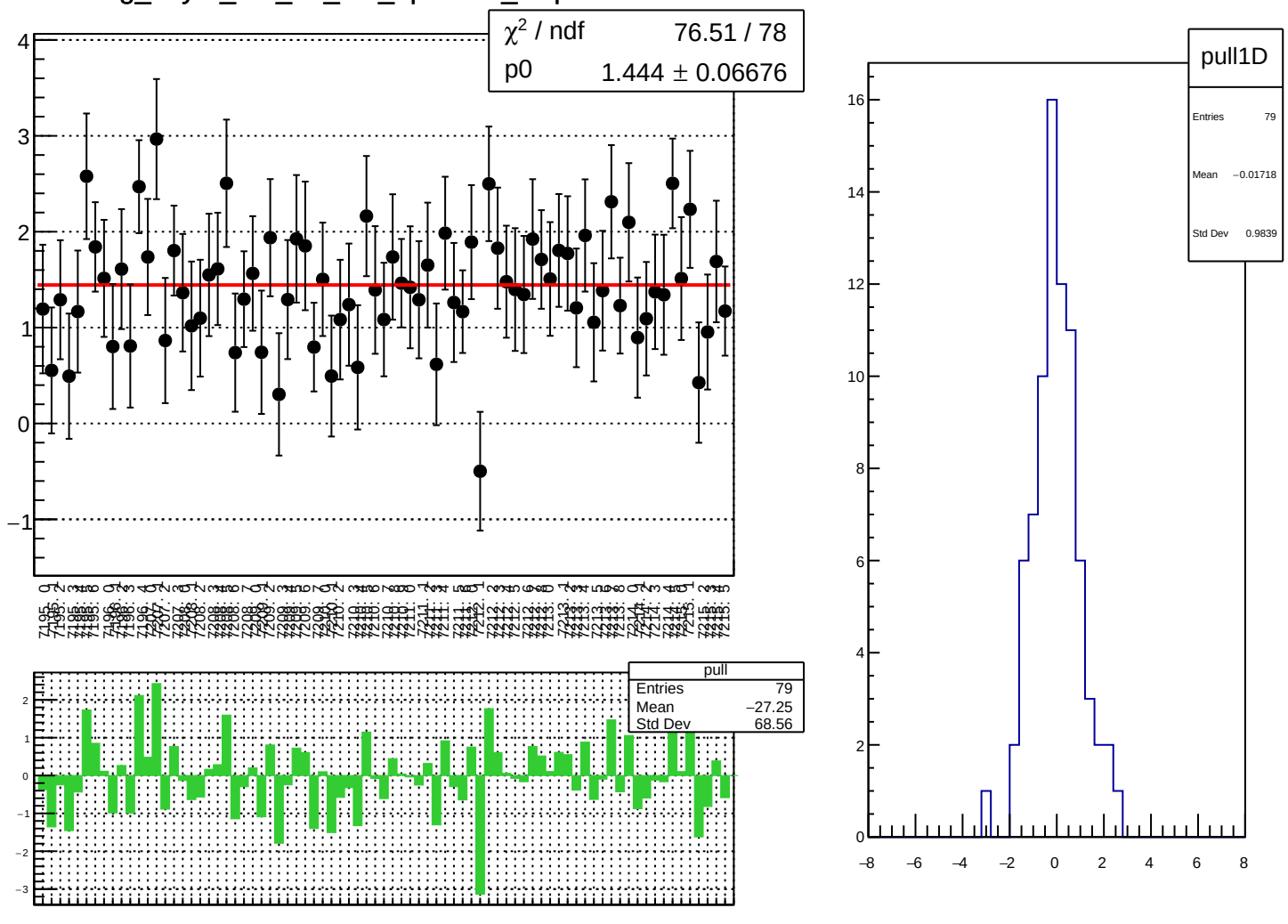

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 71.43 / 78
p0 −1.446 ± 1.439
pull
Entries 79
Mean 17.66
Std Dev 15.36
pull1D
Entries 79
Mean 0.006017
Std Dev 0.9509

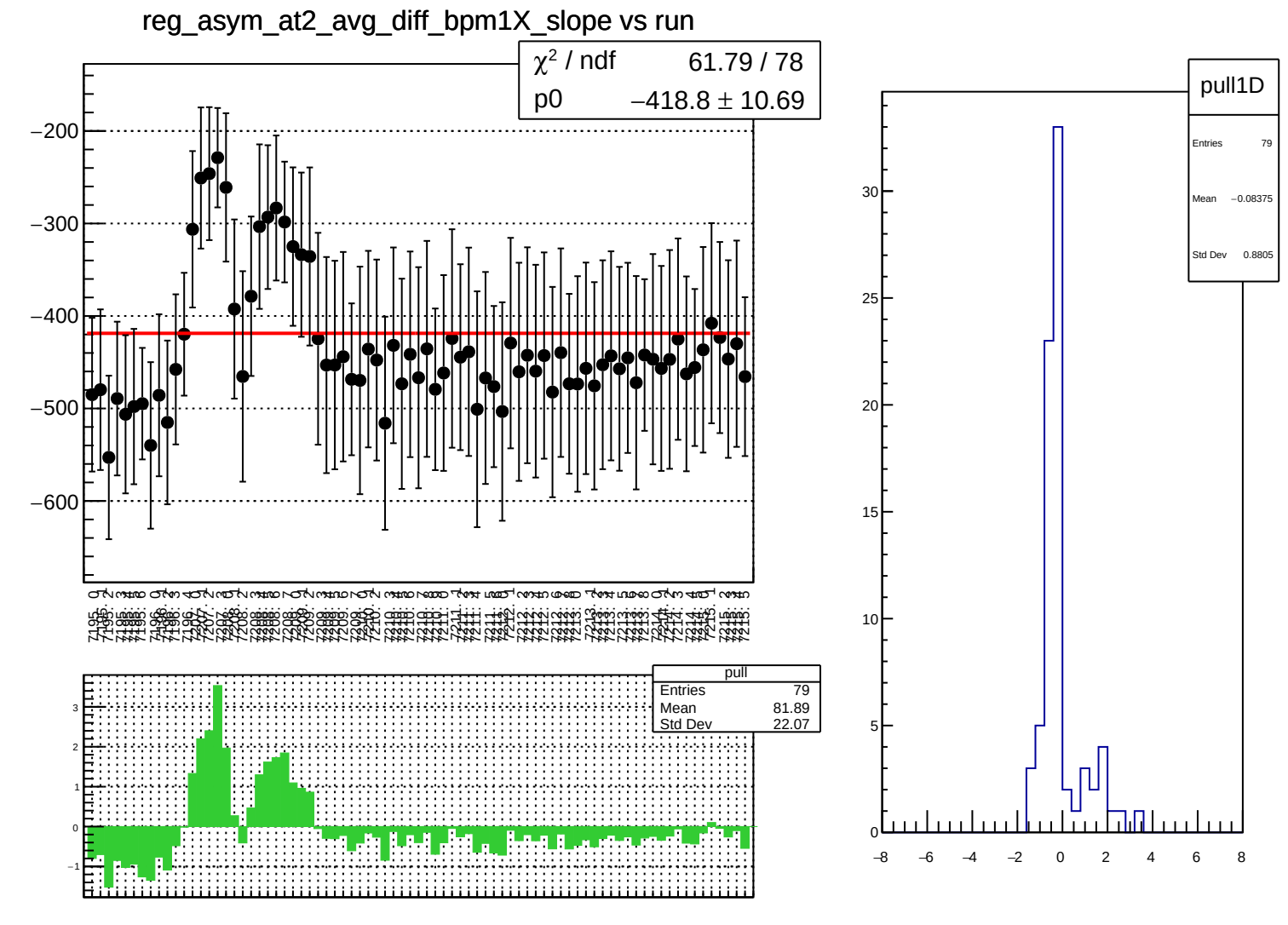

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 90.15 / 78
p0 24.44 ± 1.89
pull
Entries 79
Mean 142.1
Std Dev 100.9

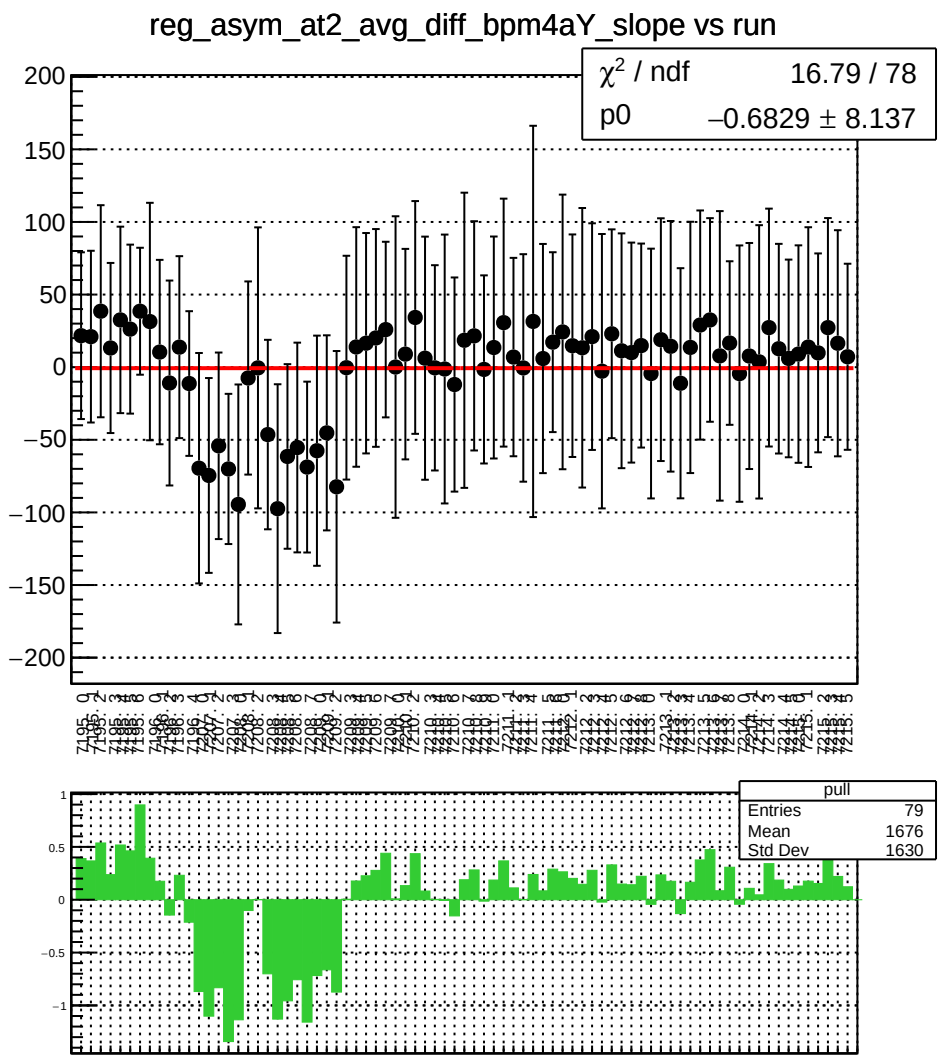

pull1D
Entries 79
Mean 0.03525
Std Dev 1.068

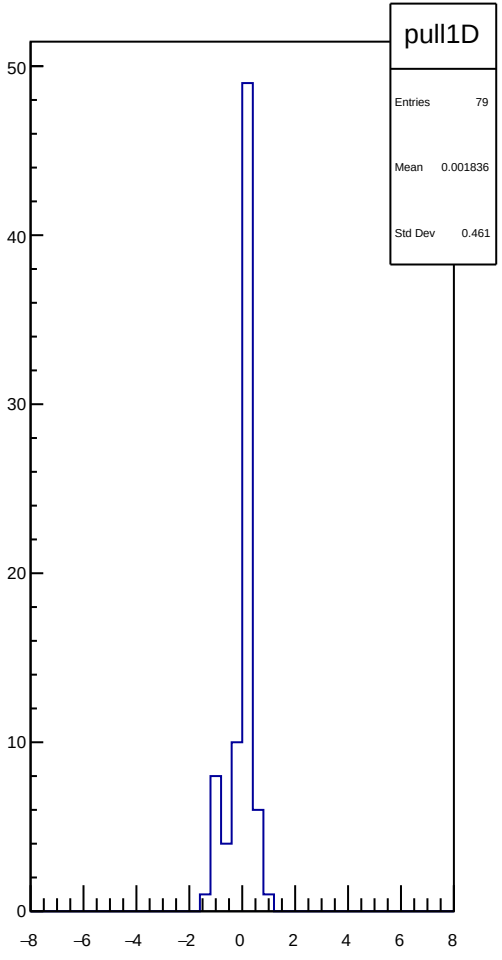

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 68.87 / 78
p0 1.957 ± 1.596
pull
Entries 79
Mean −14.53
Std Dev 37.71

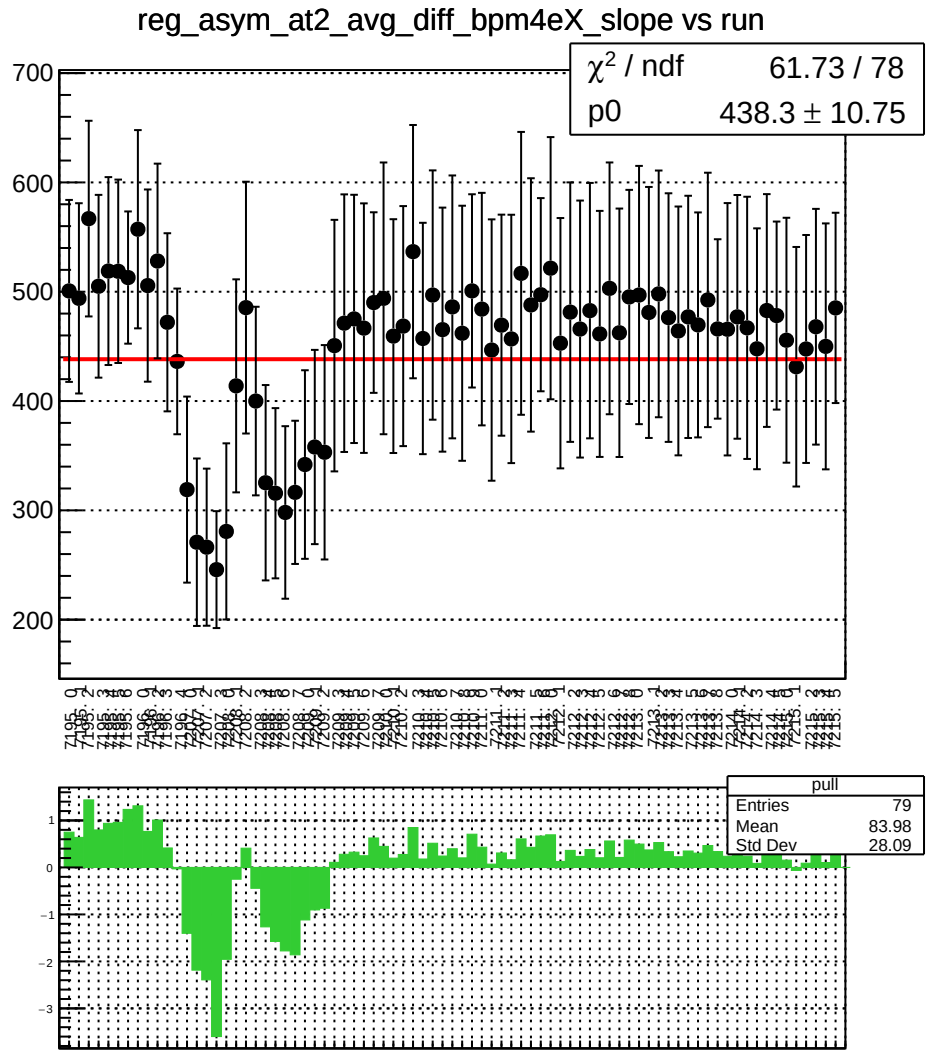

pull1D
Entries 79
Mean −0.01315
Std Dev 0.9336

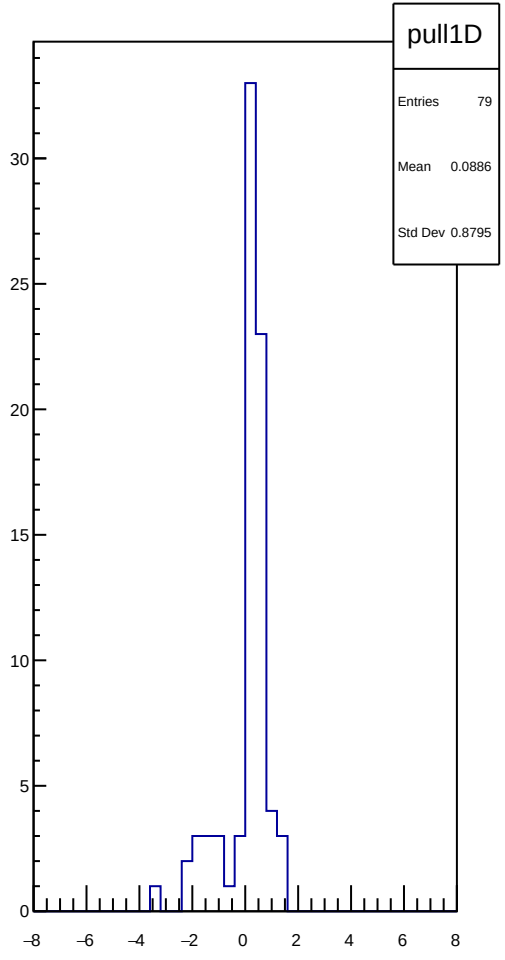

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 76.51 / 78
p0 1.444 ± 0.06676
pull
Entries 79
Mean −27.25
Std Dev 68.56
pull1D
Entries 79
Mean −0.01718
Std Dev 0.9839

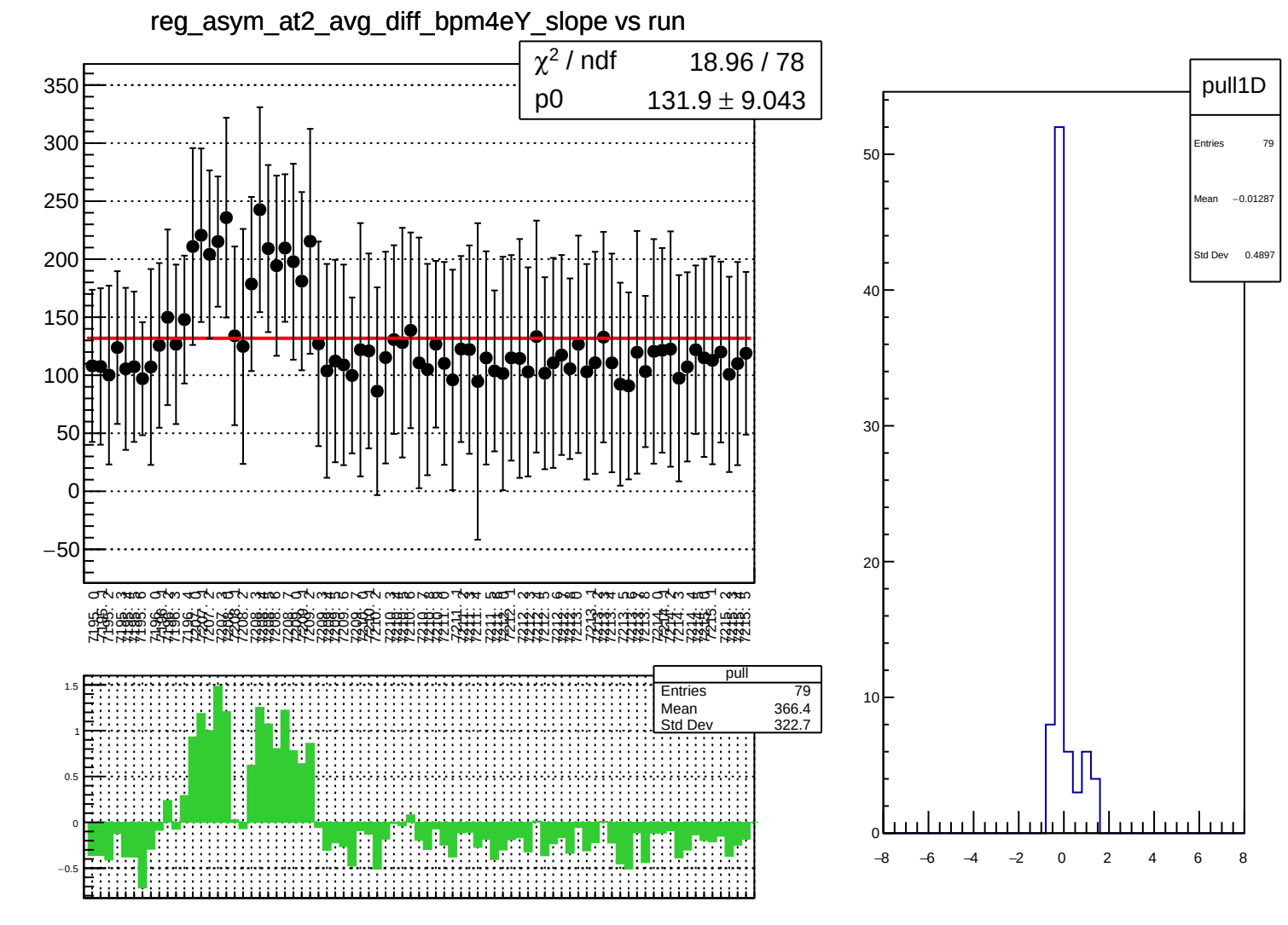

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 61.79 / 78
p0 −418.8 ± 10.69
−200
−300
−400
−500
−600
pull
Entries 79
Mean 81.89
Std Dev 22.07
3
2
1
0
−1
pull1D
Entries 79
Mean −0.08375
Std Dev 0.8805
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

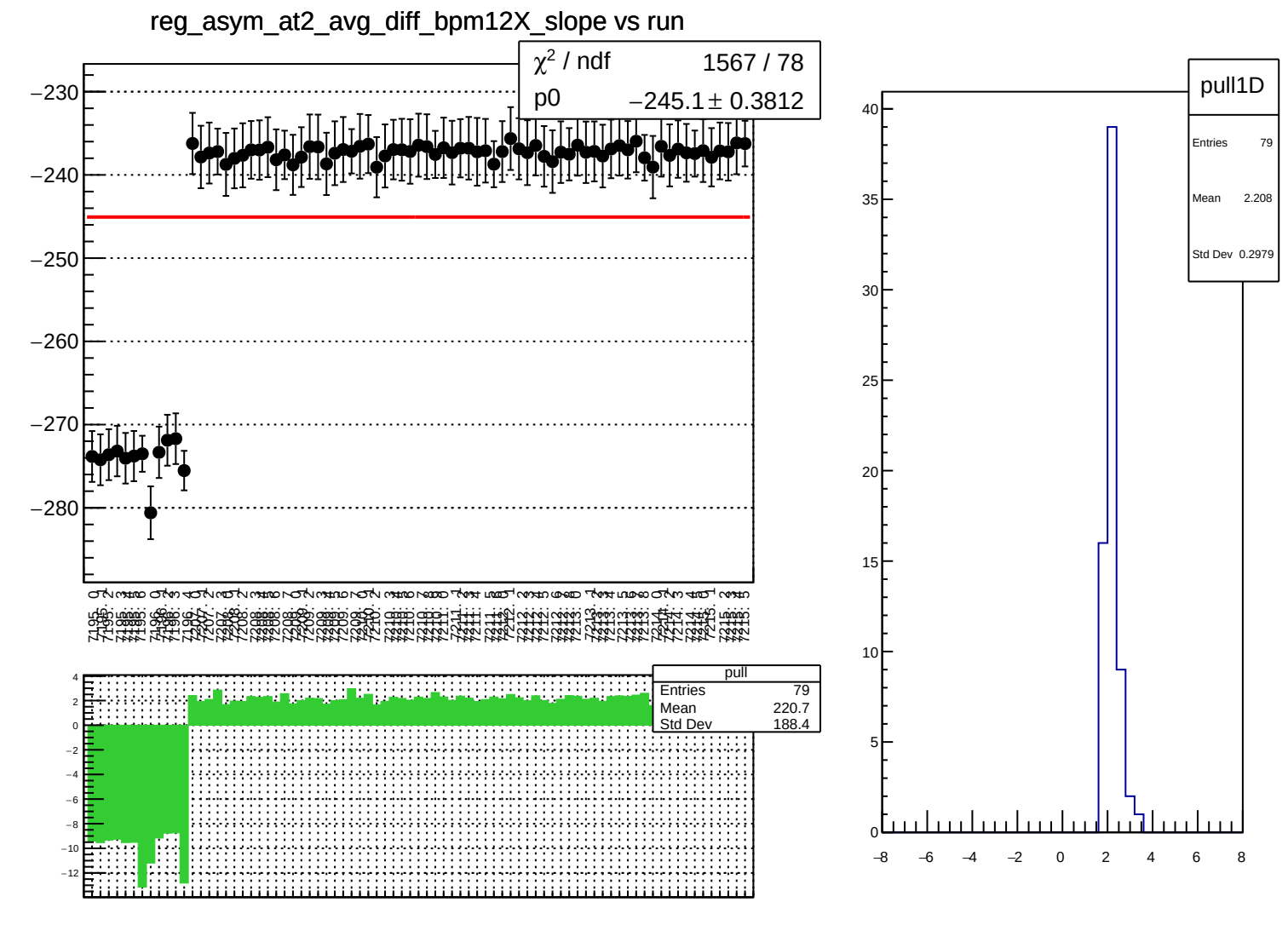

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 16.79 / 78
p0 −0.6829 ± 8.137
pull
Entries 79
Mean 1676
Std Dev 1630

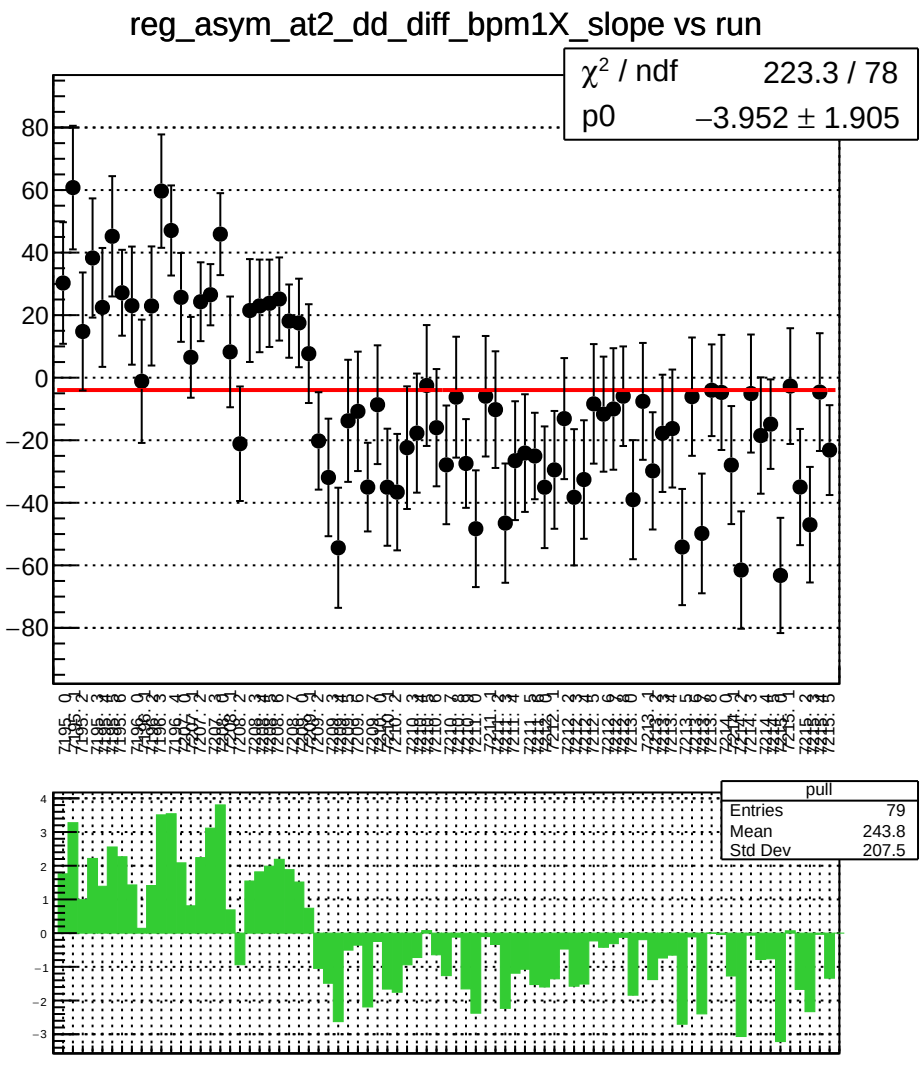

pull1D
Entries 79
Mean 0.001836
Std Dev 0.461

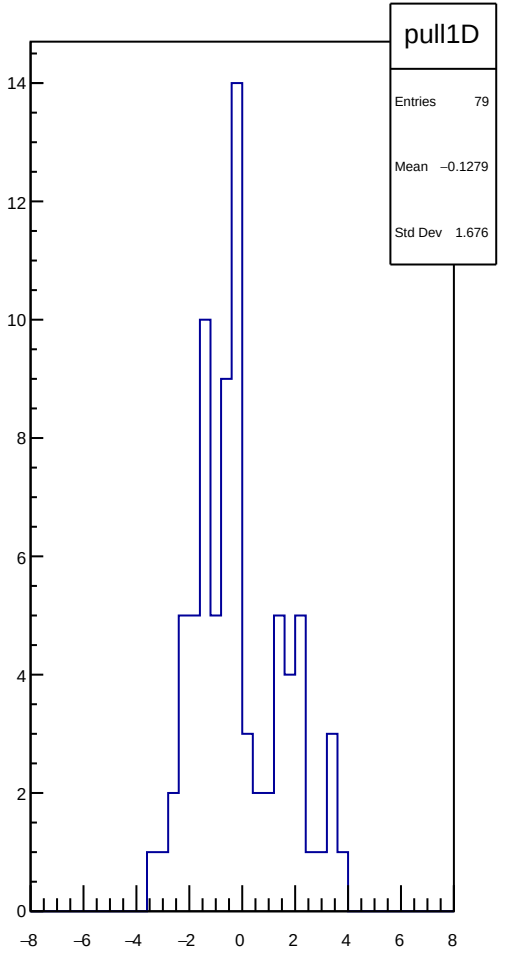

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 61.73 / 78
p0 438.3 ± 10.75
700
600
500
400
300
200
pull
Entries 79
Mean 83.98
Std Dev 28.09
1
0
−1
−2
−3

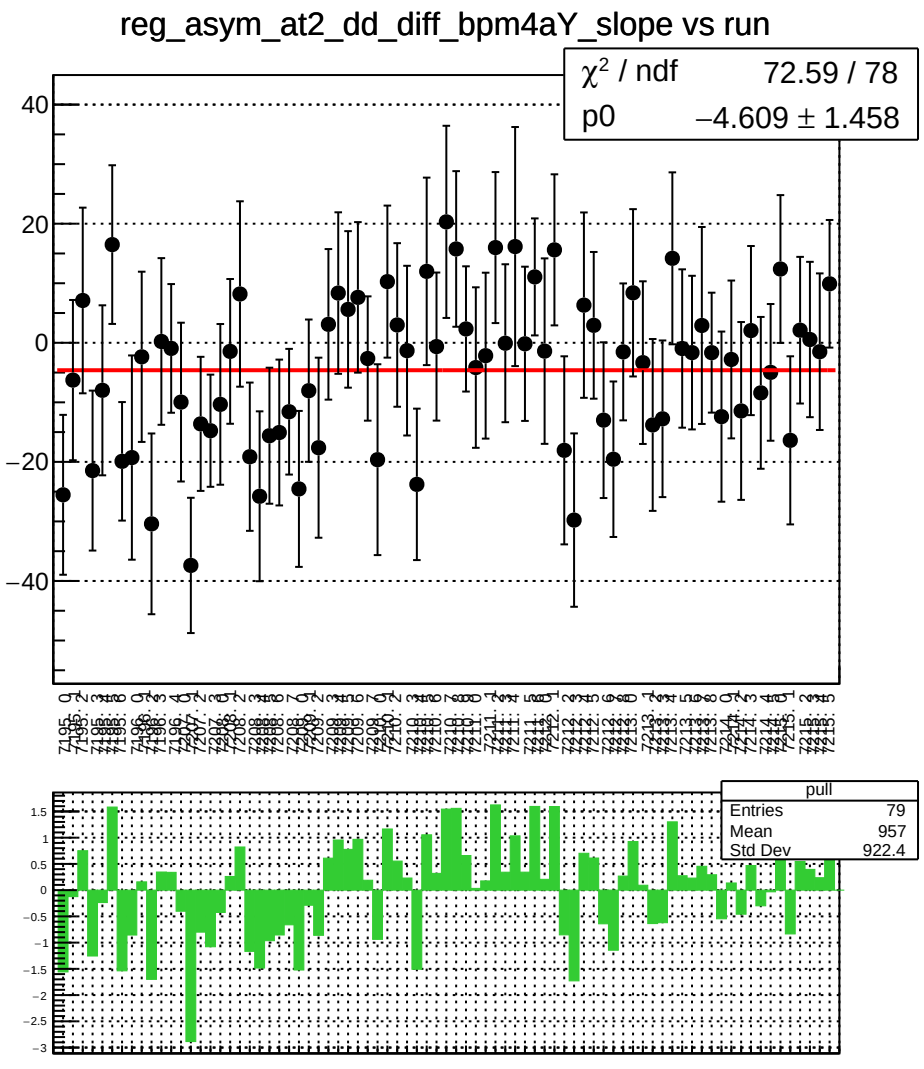

pull1D
Entries 79
Mean 0.0886
Std Dev 0.8795
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

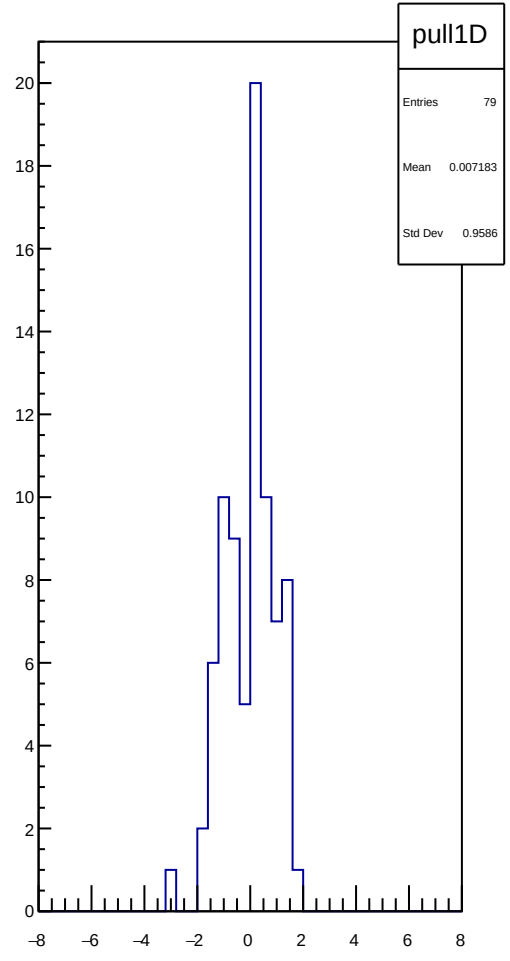

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 18.96 / 78
p0 131.9 ± 9.043
pull
Entries 79
Mean 366.4
Std Dev 322.7
pull1D
Entries 79
Mean −0.01287
Std Dev 0.4897

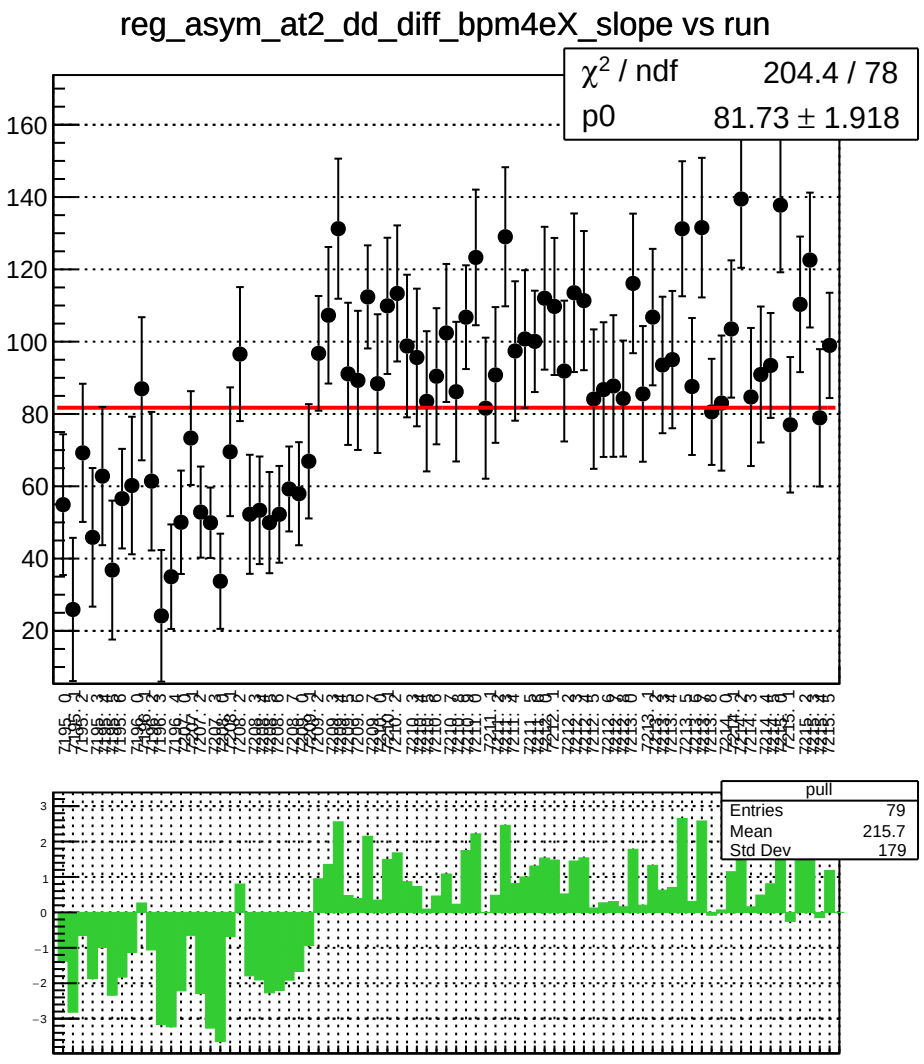

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 1567 / 78
p0 −245.1 ± 0.3812
pull
Entries 79
Mean 220.7
Std Dev 188.4
pull1D
Entries 79
Mean 2.208
Std Dev 0.2979

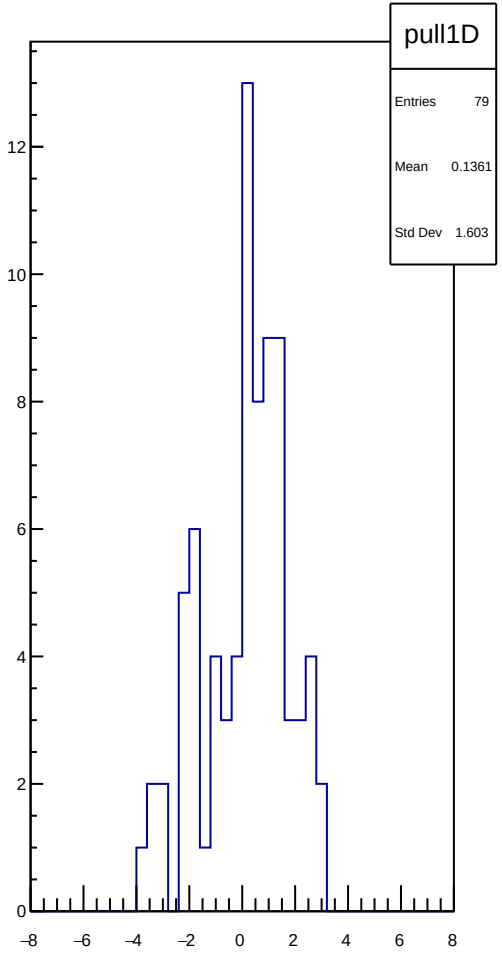

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 223.3 / 78
p0 −3.952 ± 1.905
pull
Entries 79
Mean 243.8
Std Dev 207.5

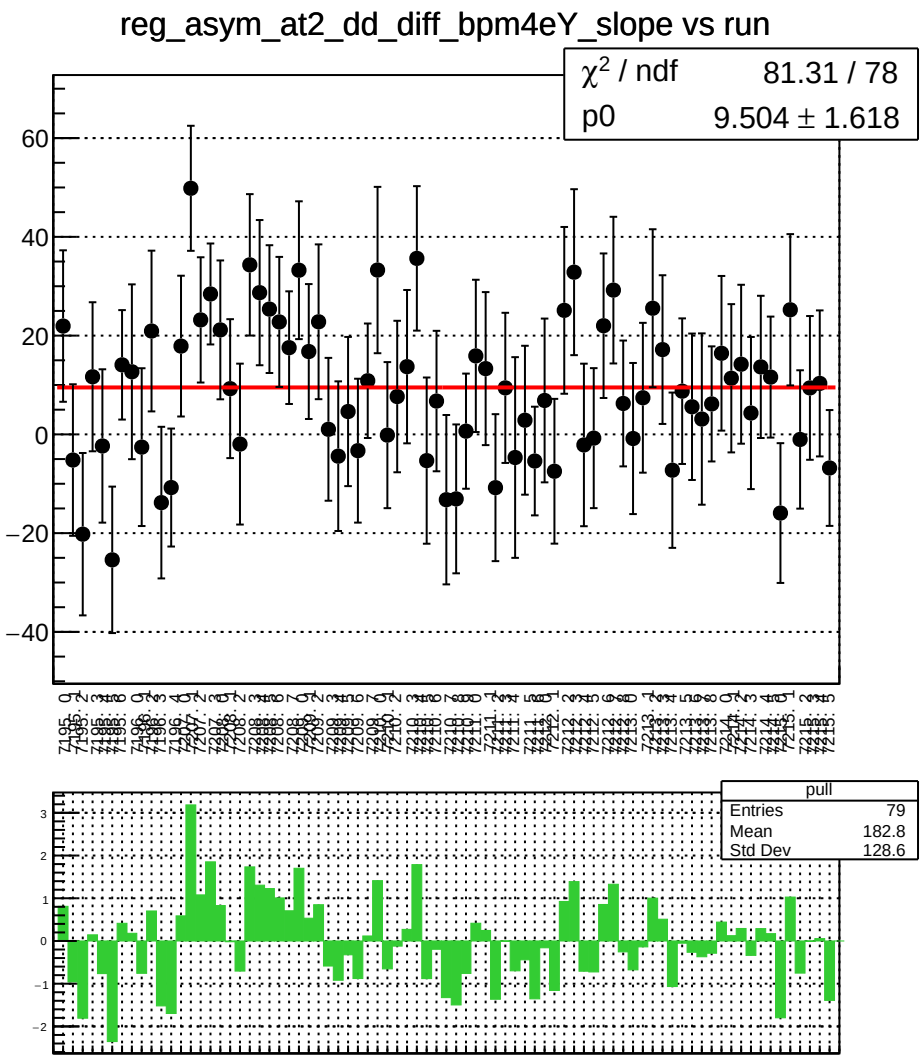

pull1D
Entries 79
Mean −0.1279
Std Dev 1.676

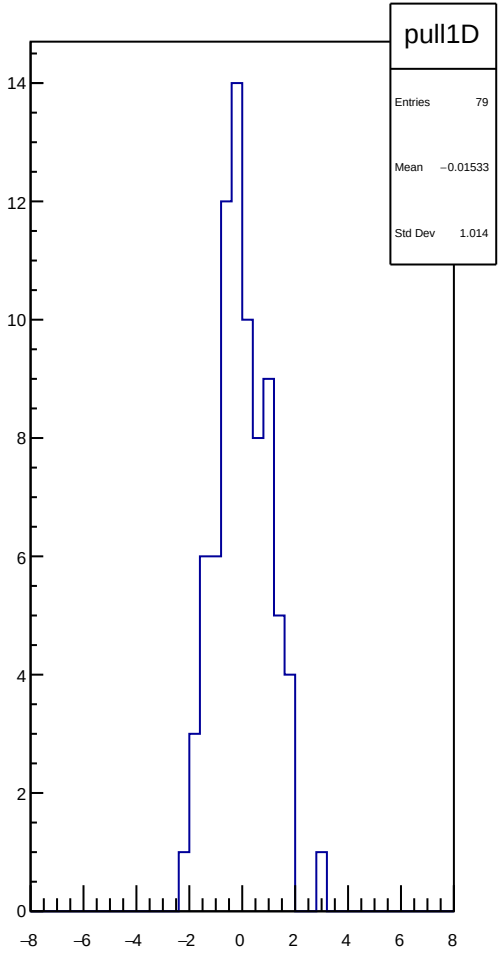

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 72.59 / 78
p0 −4.609 ± 1.458
pull
Entries 79
Mean 957
Std Dev 922.4

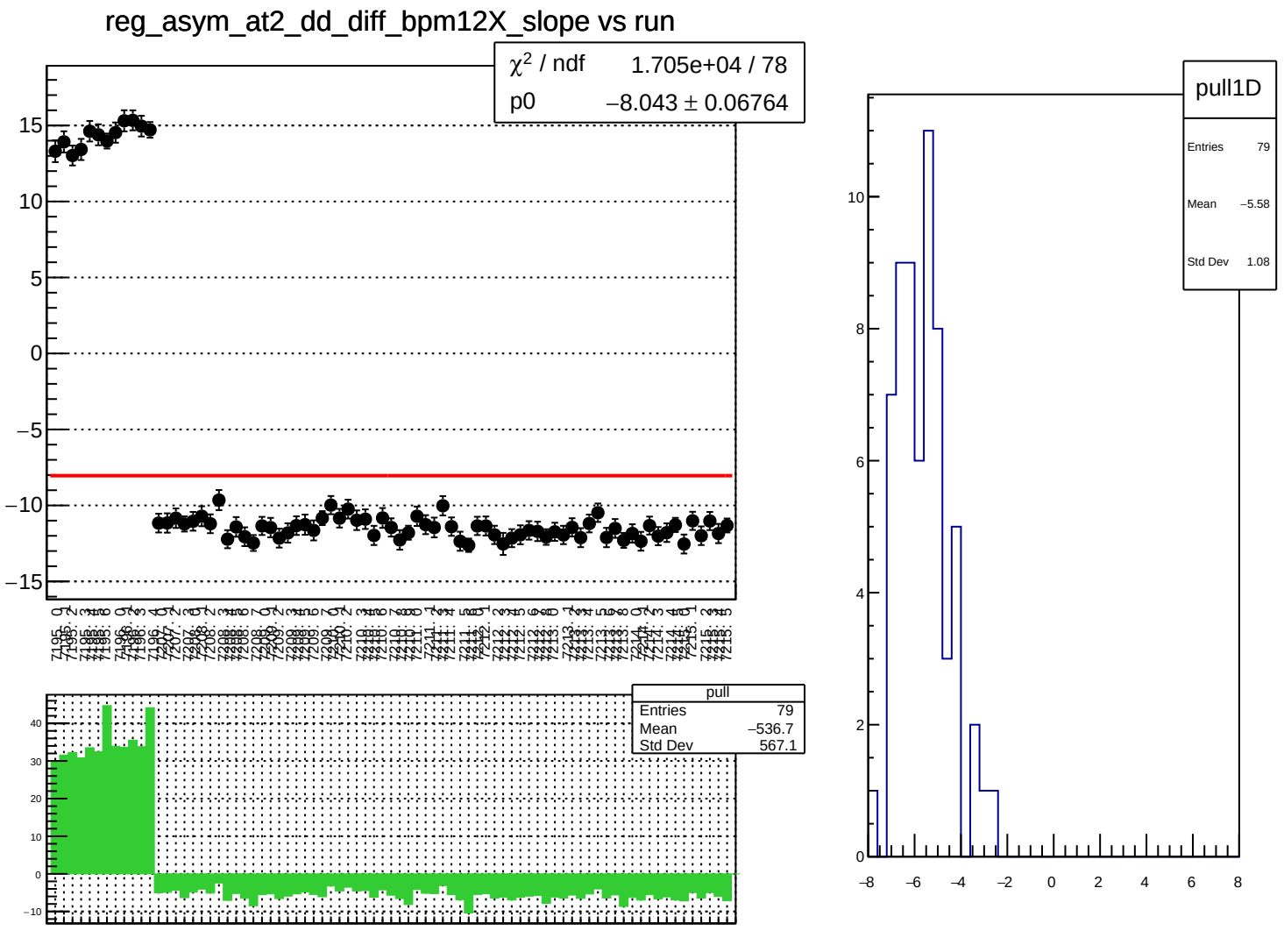

pull1D
Entries 79
Mean 0.007183
Std Dev 0.9586

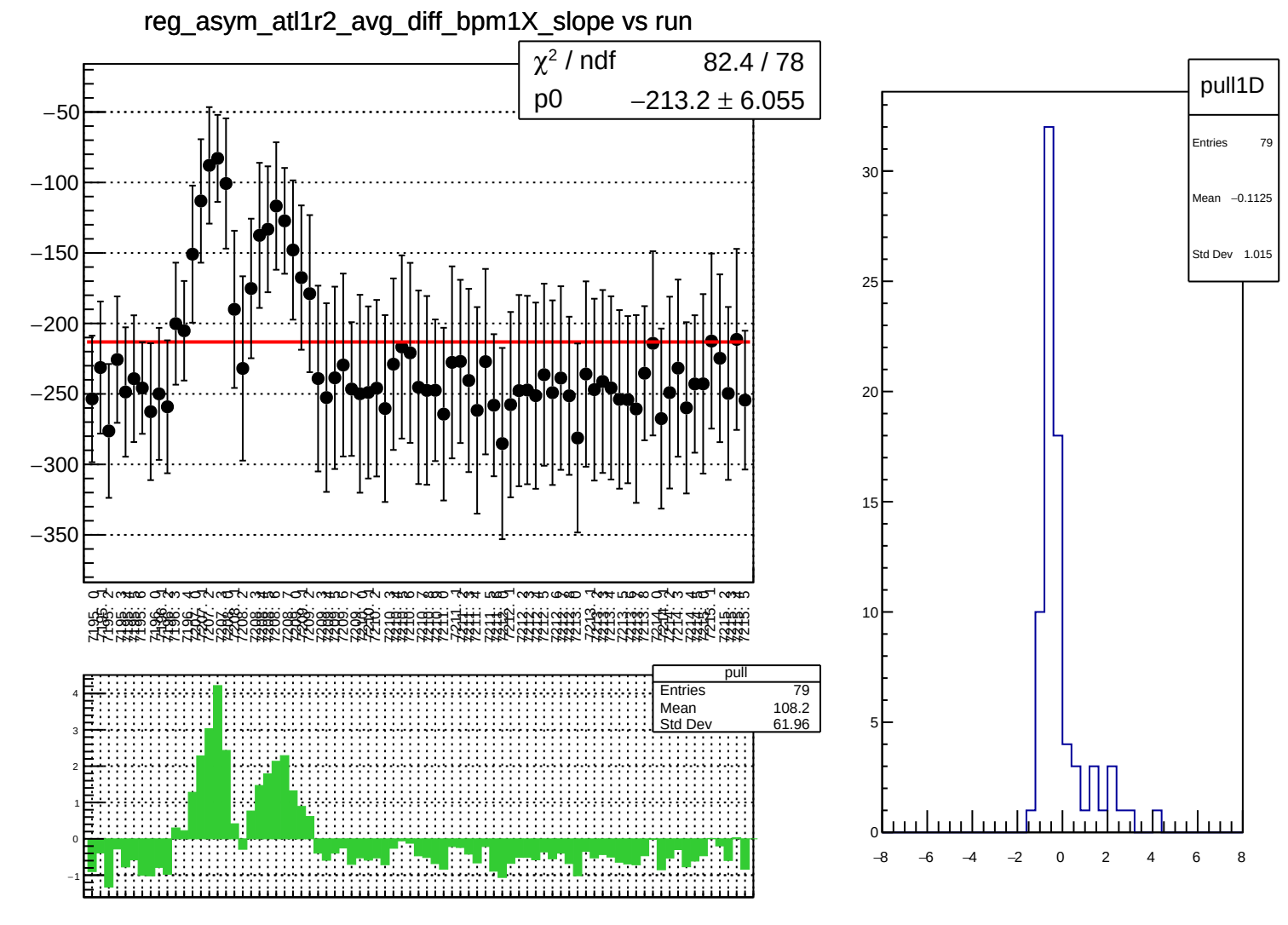

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 204.4 / 78
p0 81.73 ± 1.918
pull
Entries 79
Mean 215.7
Std Dev 179

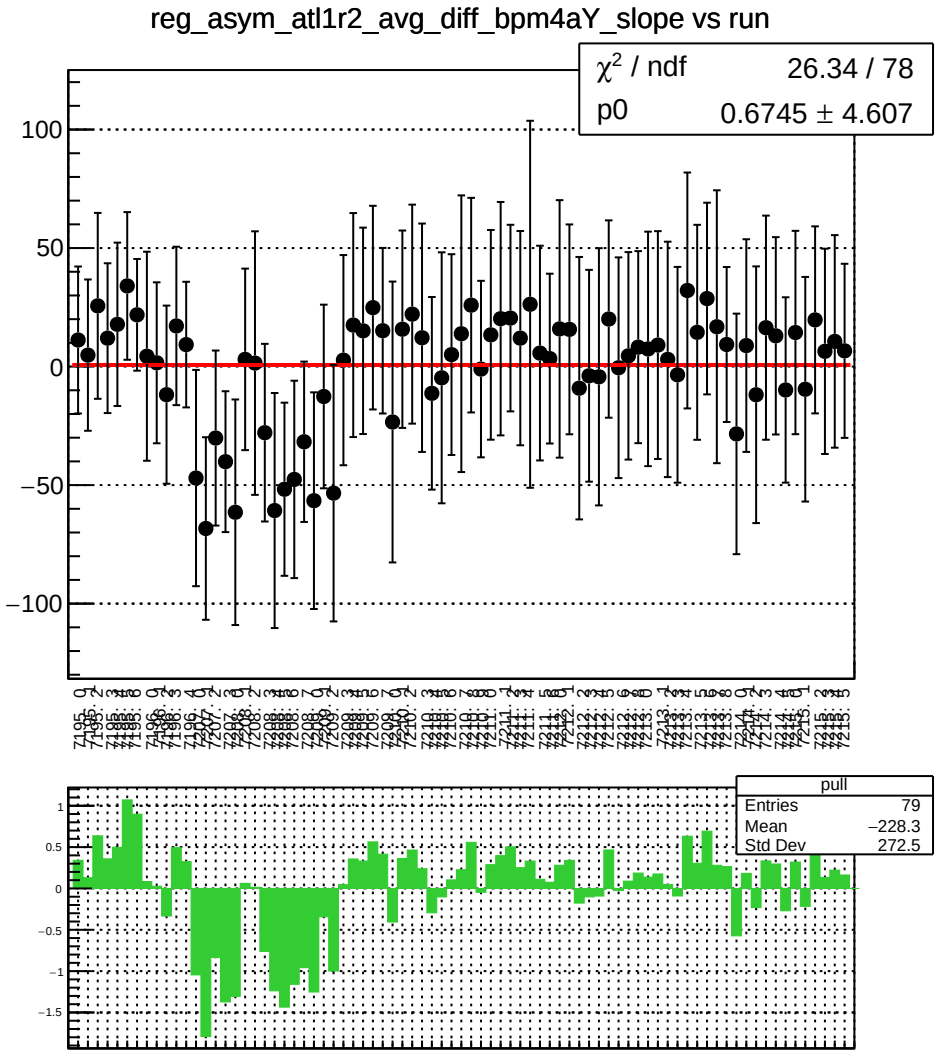

pull1D
Entries 79
Mean 0.1361
Std Dev 1.603

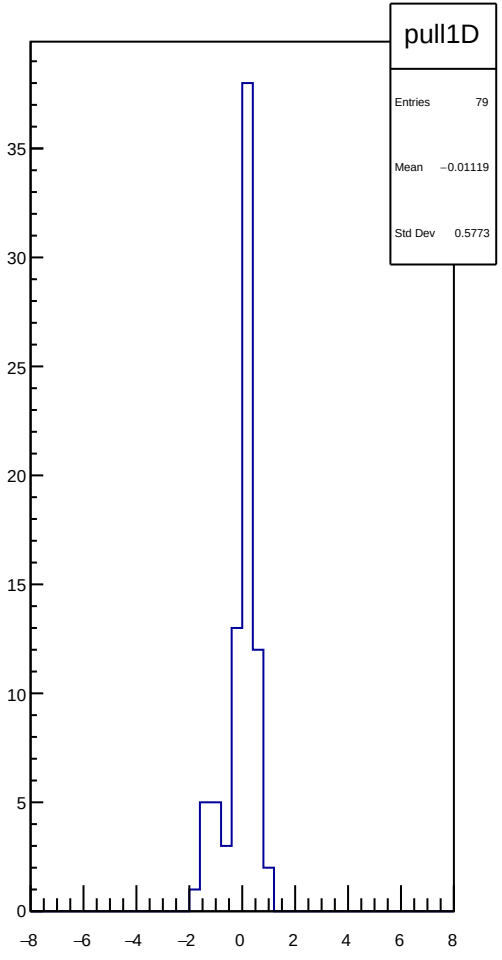

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 81.31 / 78
p0 9.504 ± 1.618
pull
Entries 79
Mean 182.8
Std Dev 128.6

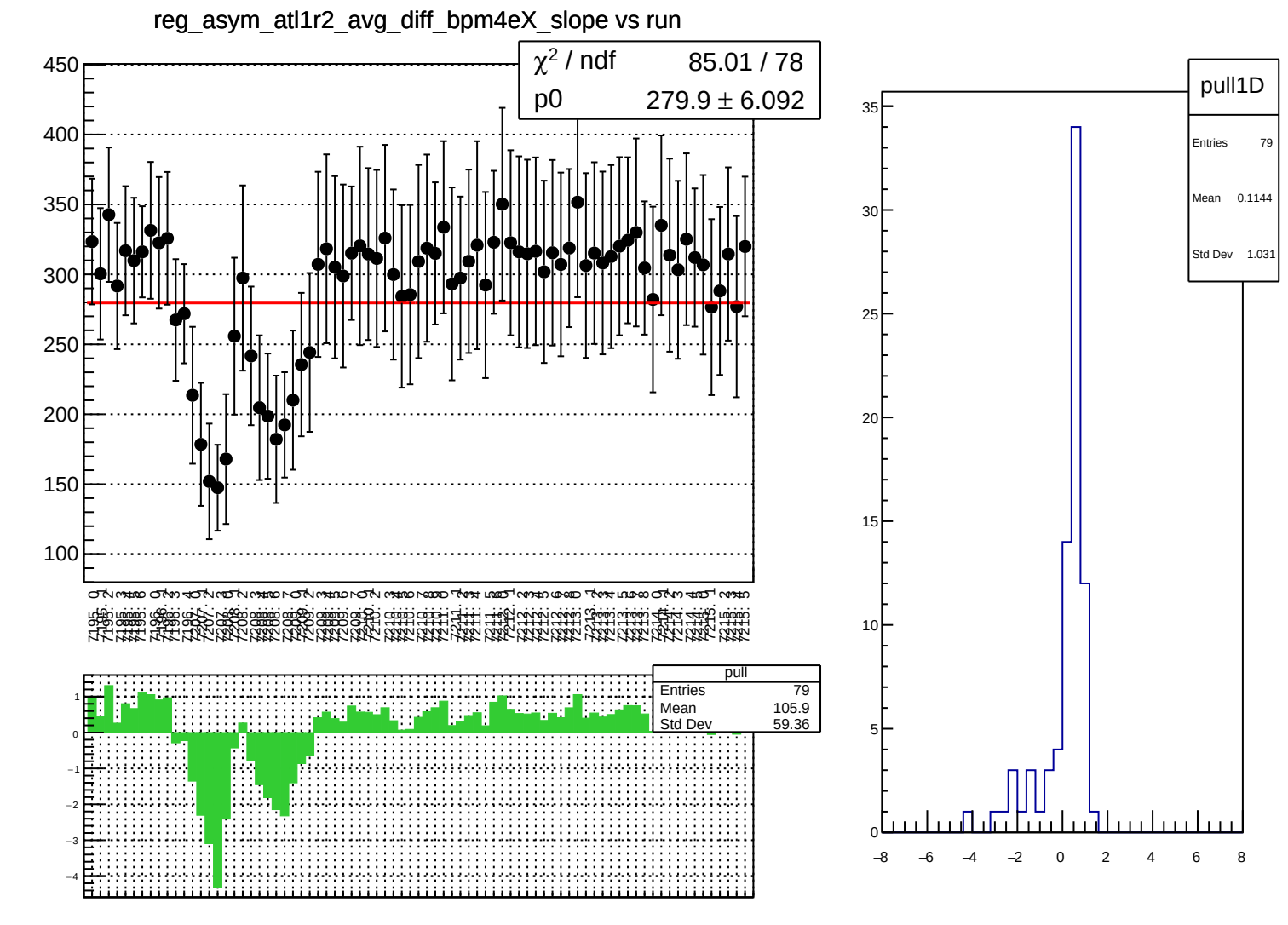

pull1D
Entries 79
Mean −0.01533
Std Dev 1.014

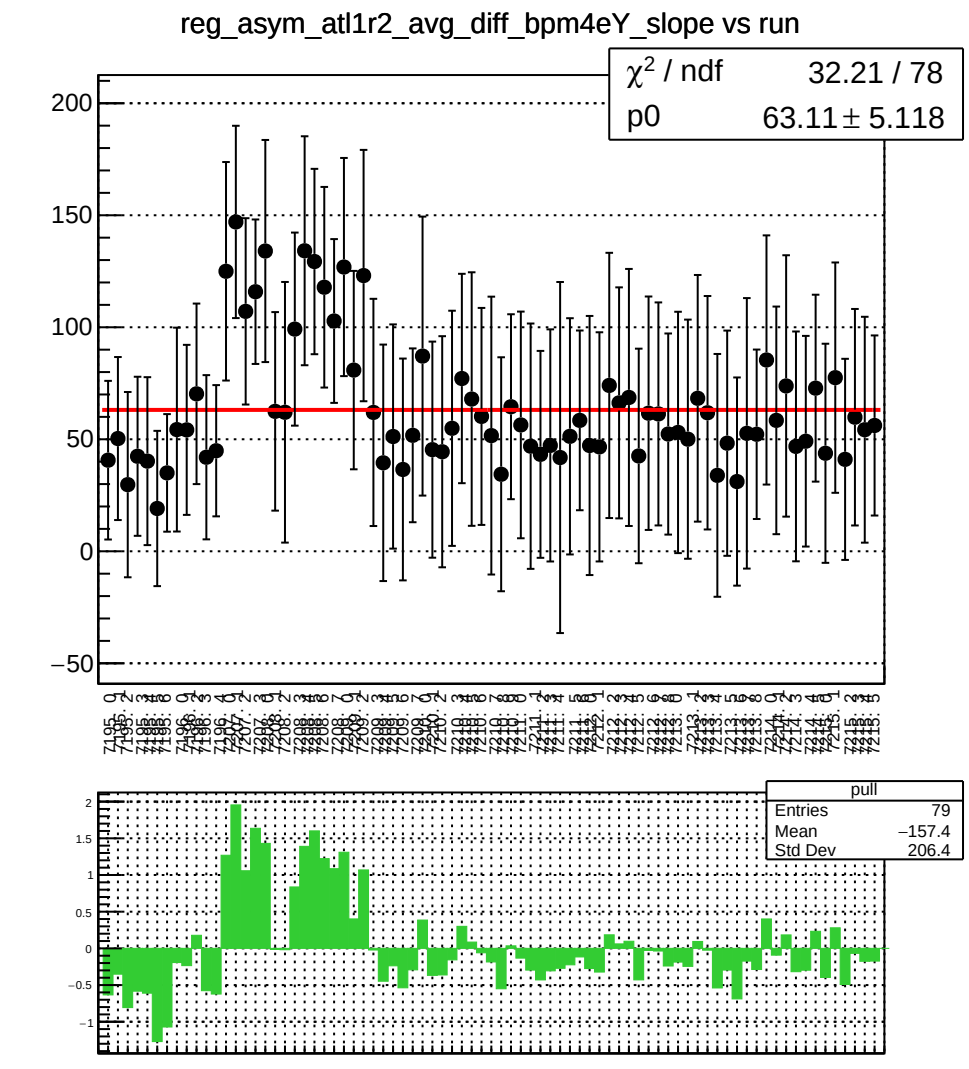

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 1.705e+04 / 78
p0 −8.043 ± 0.06764
pull
Entries 79
Mean −536.7
Std Dev 567.1
pull1D
Entries 79
Mean −5.58
Std Dev 1.08

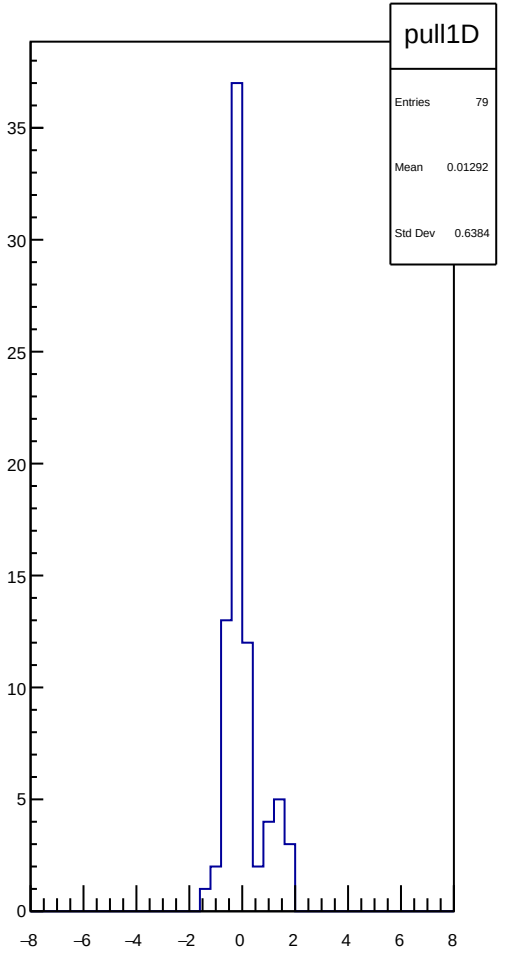

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 82.4 / 78
p0 −213.2 ± 6.055
pull
Entries 79
Mean 108.2
Std Dev 61.96
pull1D
Entries 79
Mean −0.1125
Std Dev 1.015

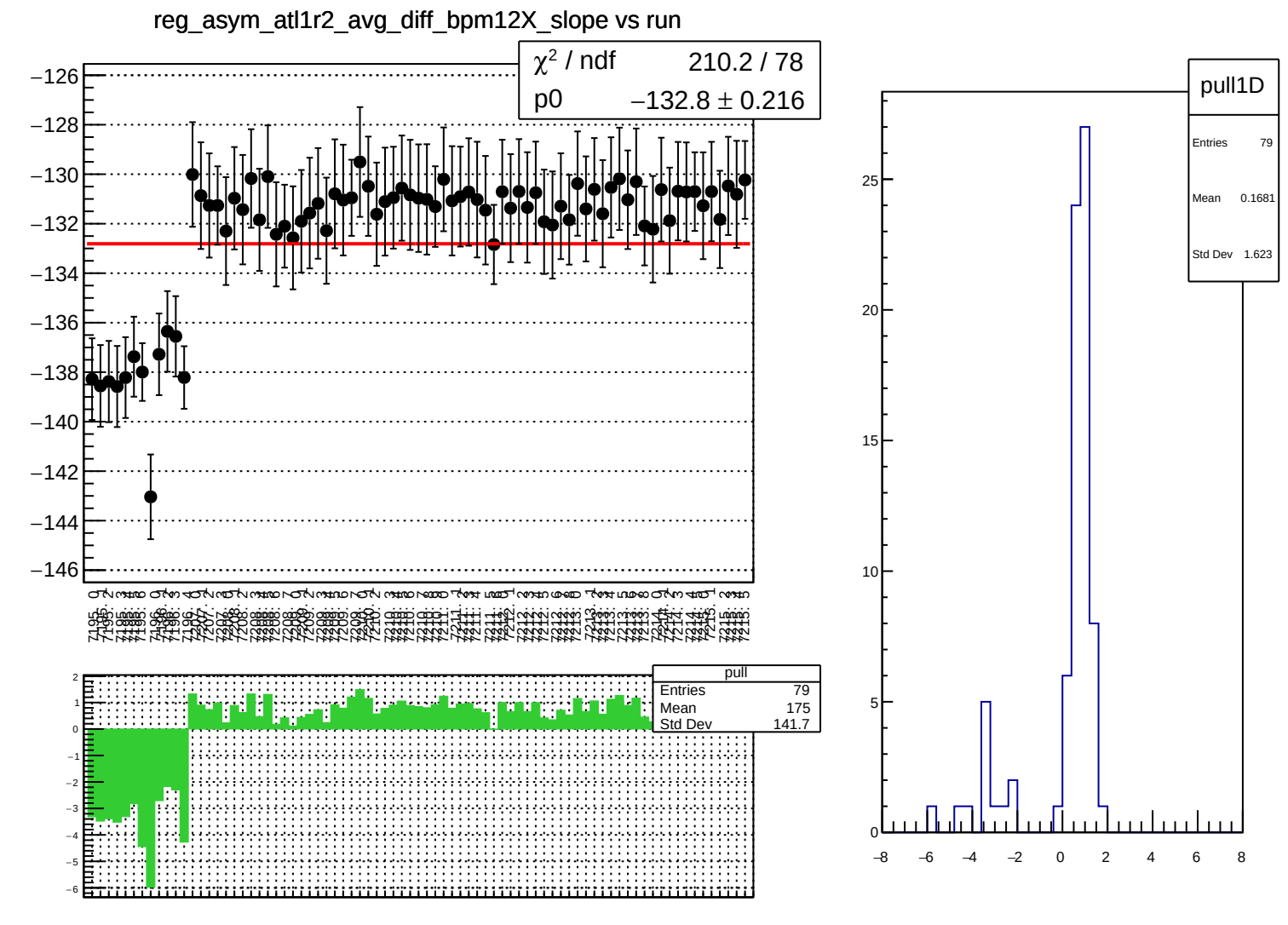

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 26.34 / 78
p0 0.6745 ± 4.607
pull
Entries 79
Mean −228.3
Std Dev 272.5

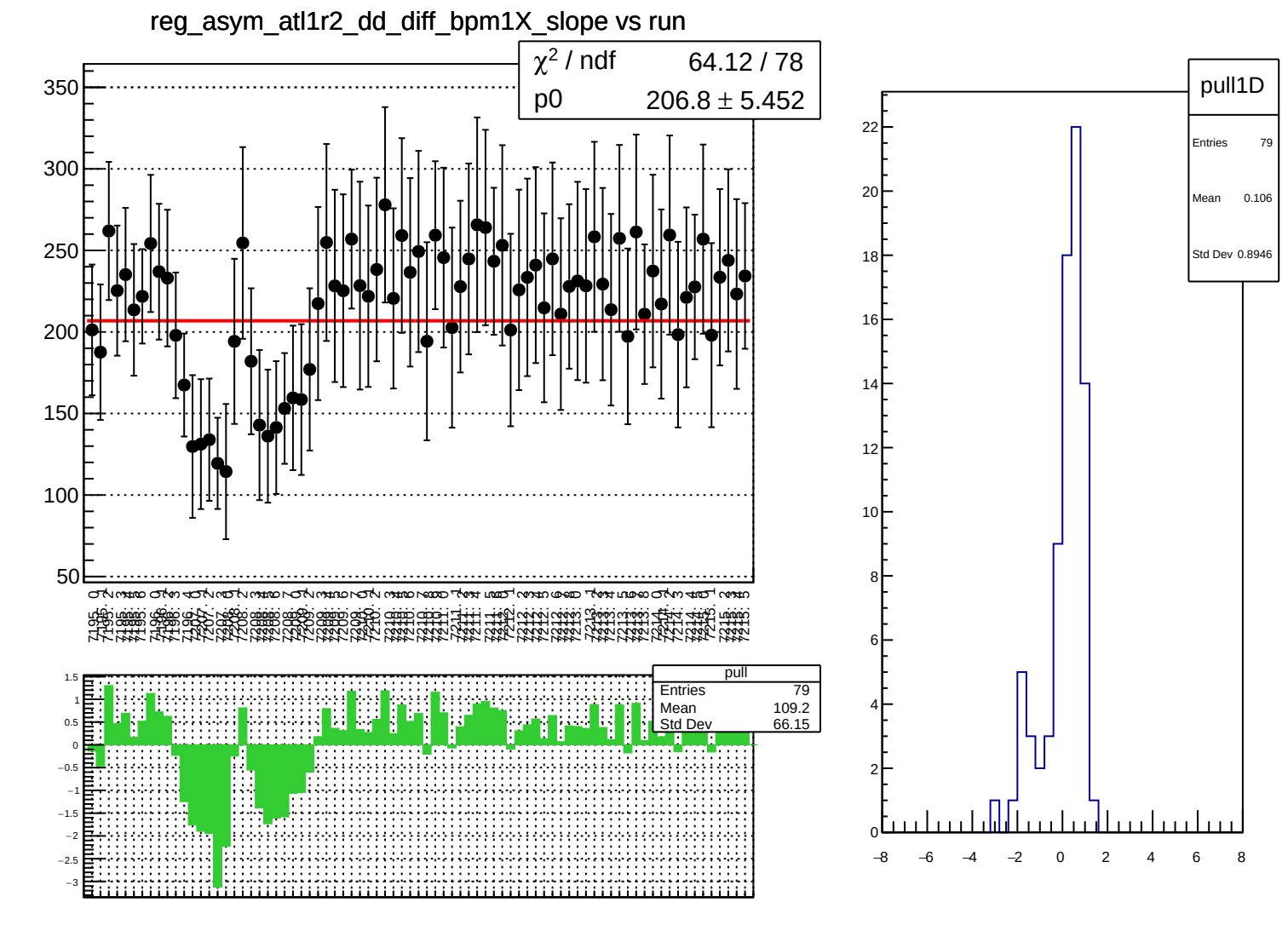

pull1D
Entries 79
Mean −0.01119
Std Dev 0.5773

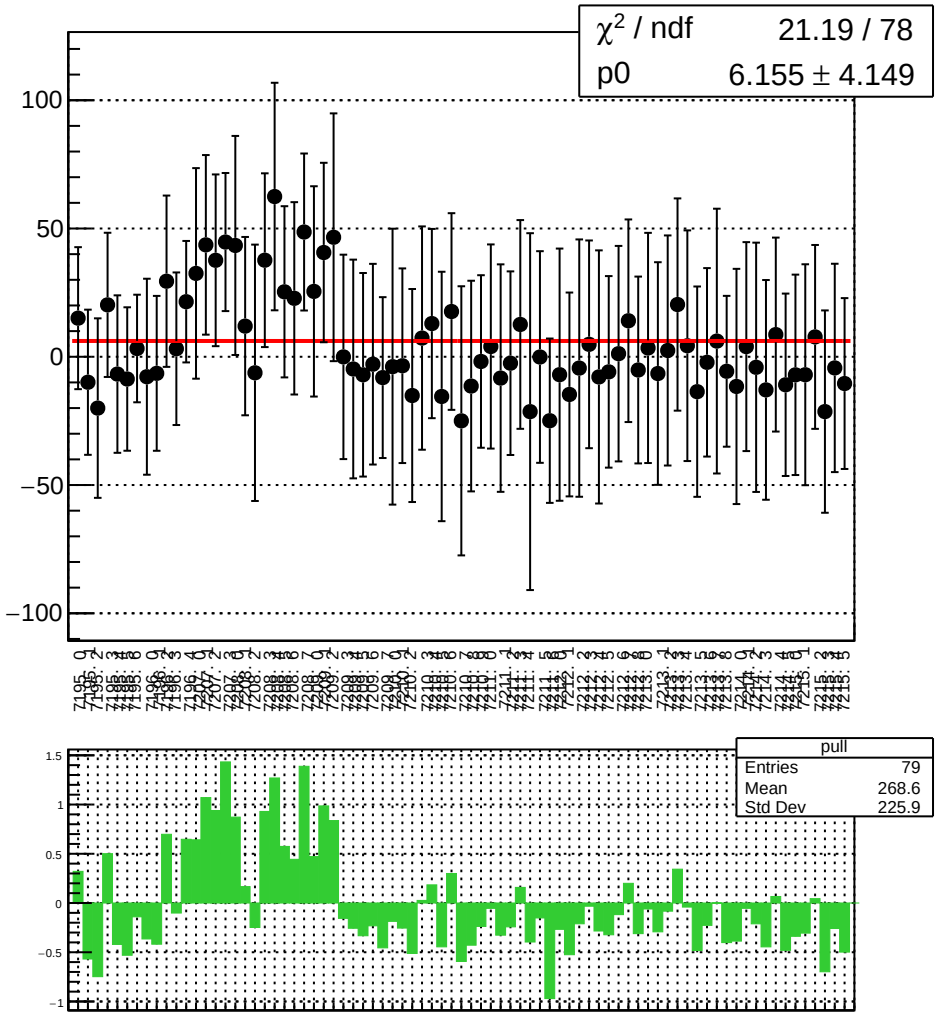

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 85.01 / 78
p0 279.9 ± 6.092
pull
Entries 79
Mean 105.9
Std Dev 59.36
pull1D
Entries 79
Mean 0.1144
Std Dev 1.031

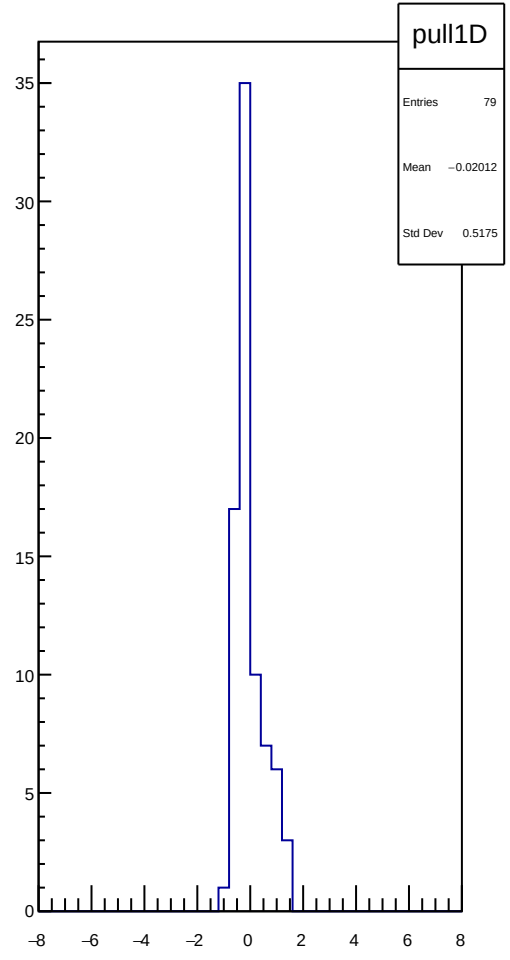

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 32.21 / 78
p0 63.11 ± 5.118
pull
Entries 79
Mean −157.4
Std Dev 206.4

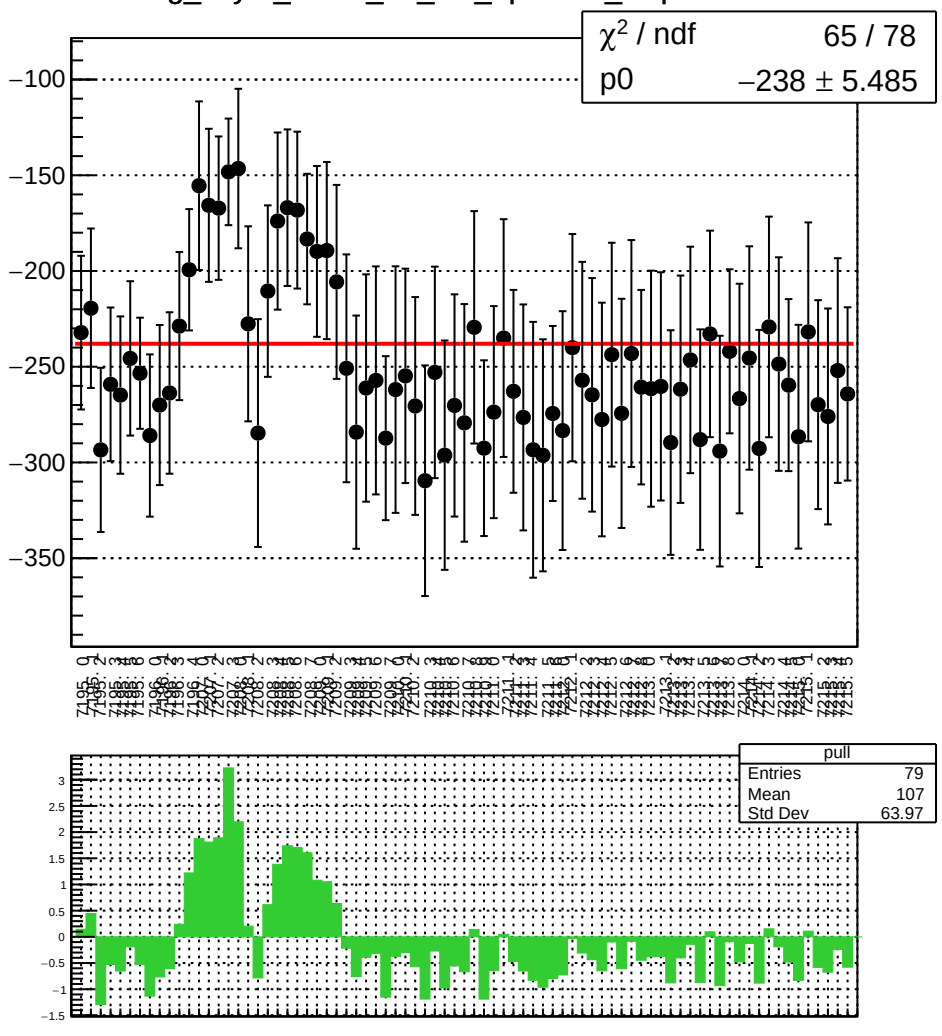

pull1D
Entries 79
Mean 0.01292
Std Dev 0.6384

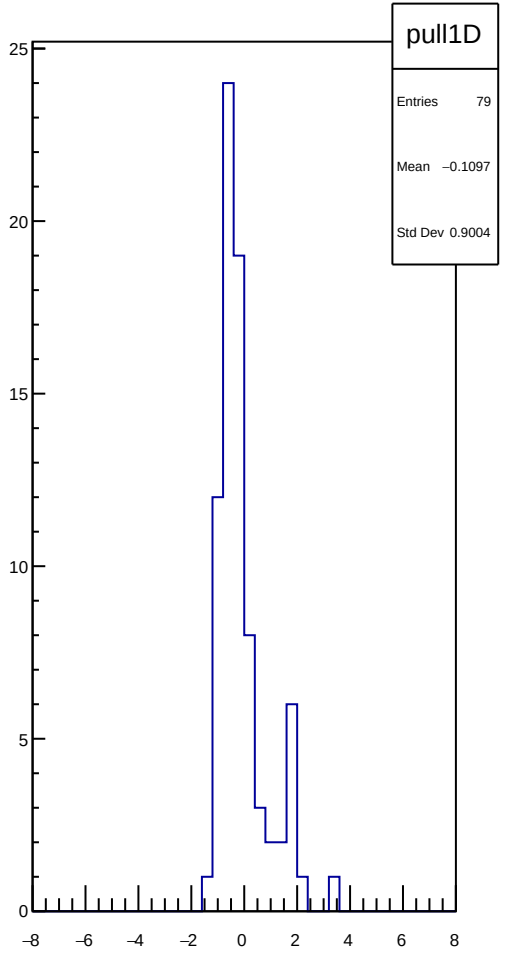

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 210.2 / 78
p0 −132.8 ± 0.216
pull
Entries 79
Mean 175
Std Dev 141.7
pull1D
Entries 79
Mean 0.1681
Std Dev 1.623

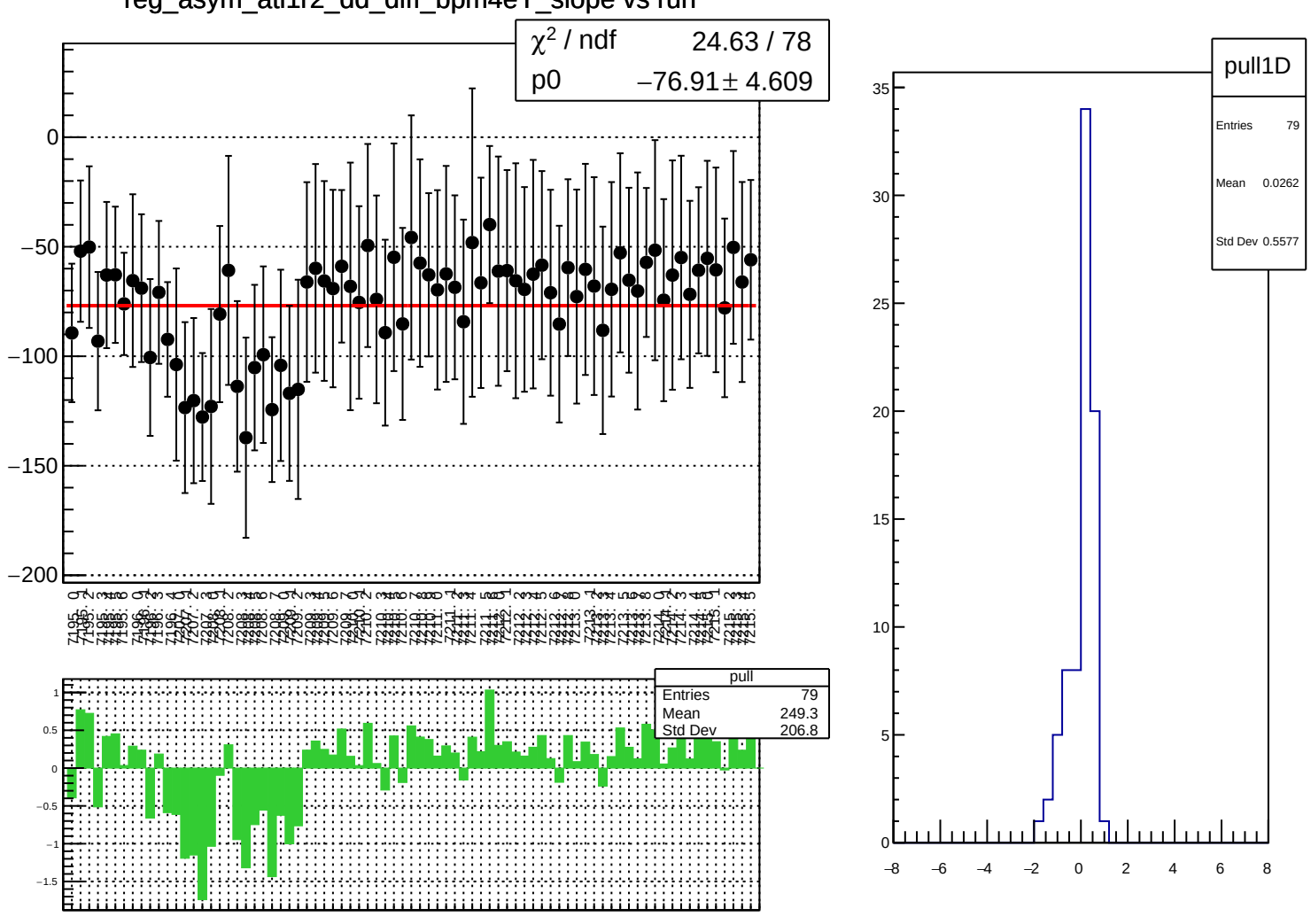

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 64.12 / 78
p0 206.8 ± 5.452
pull
Entries 79
Mean 109.2
Std Dev 66.15
pull1D
Entries 79
Mean 0.106
Std Dev 0.8946

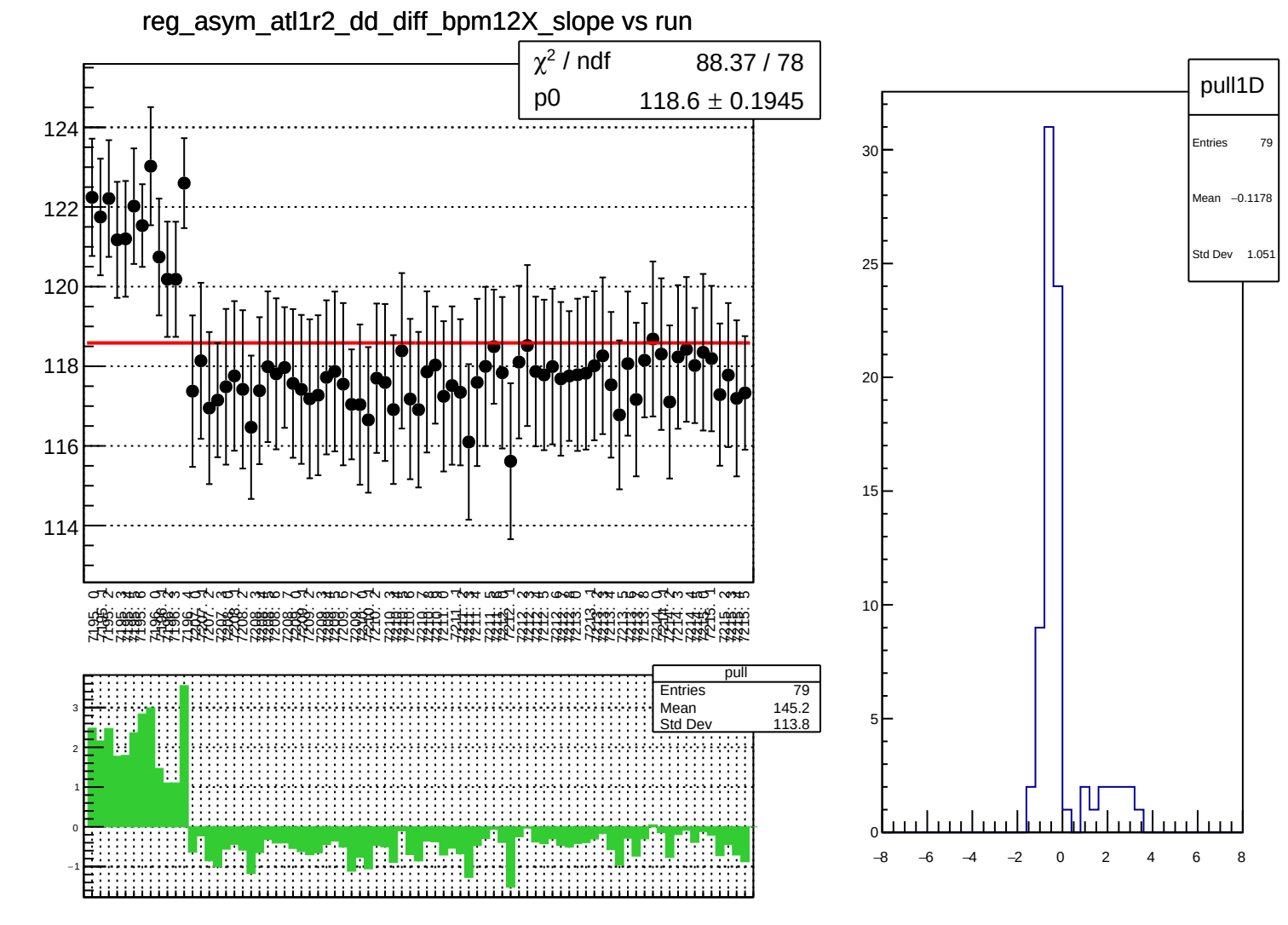

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 21.19 / 78
p0 6.155 ± 4.149
pull
Entries 79
Mean 268.6
Std Dev 225.9

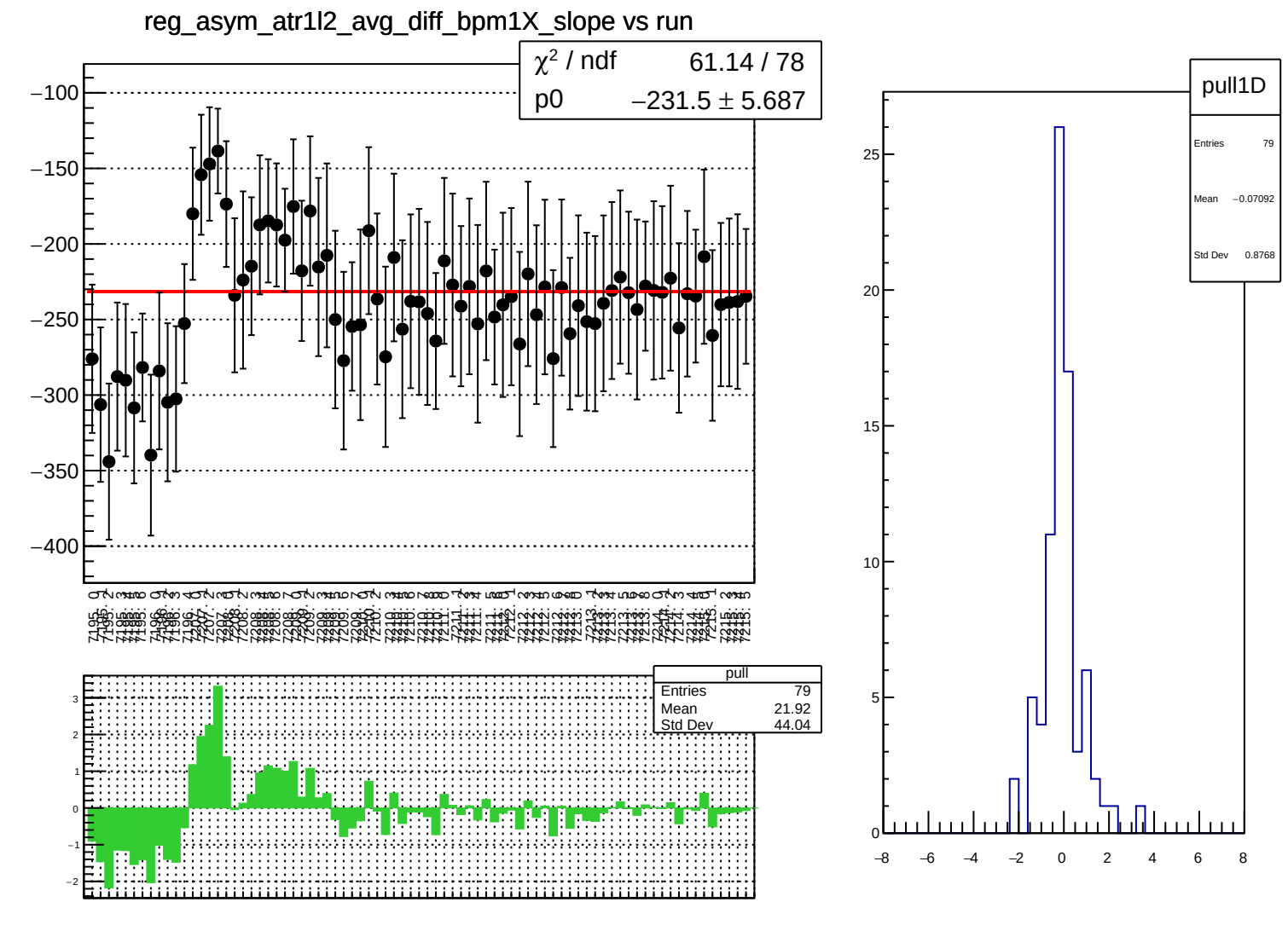

pull1D
Entries 79
Mean −0.02012
Std Dev 0.5175

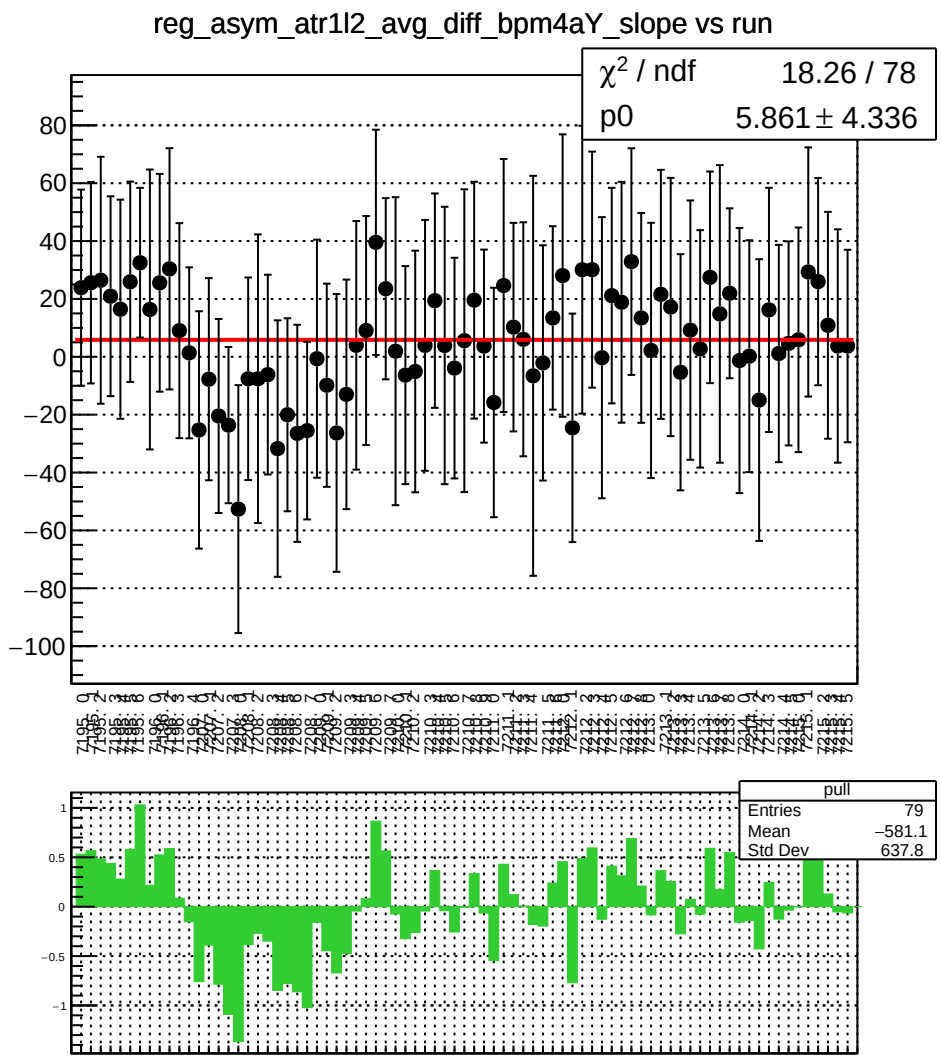

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 65 / 78
p0 −238 ± 5.485
pull
Entries 79
Mean 107
Std Dev 63.97

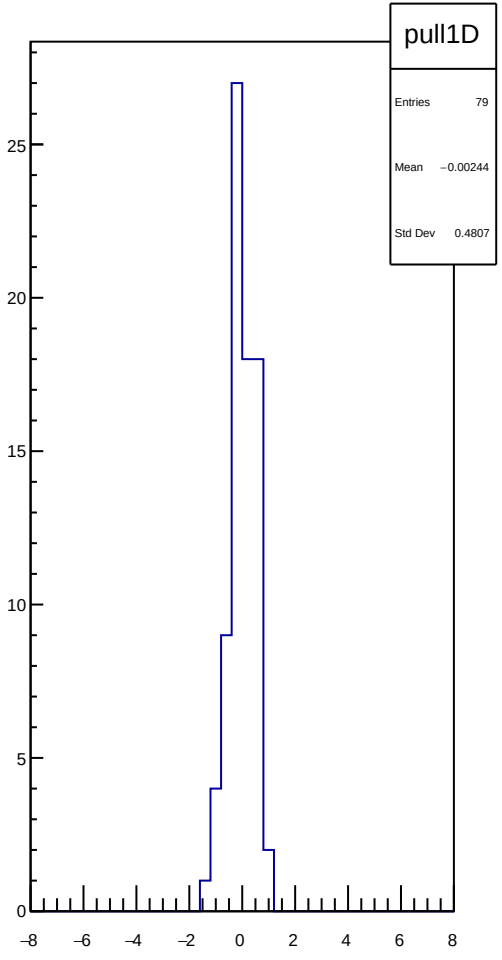

pull1D
Entries 79
Mean −0.1097
Std Dev 0.9004

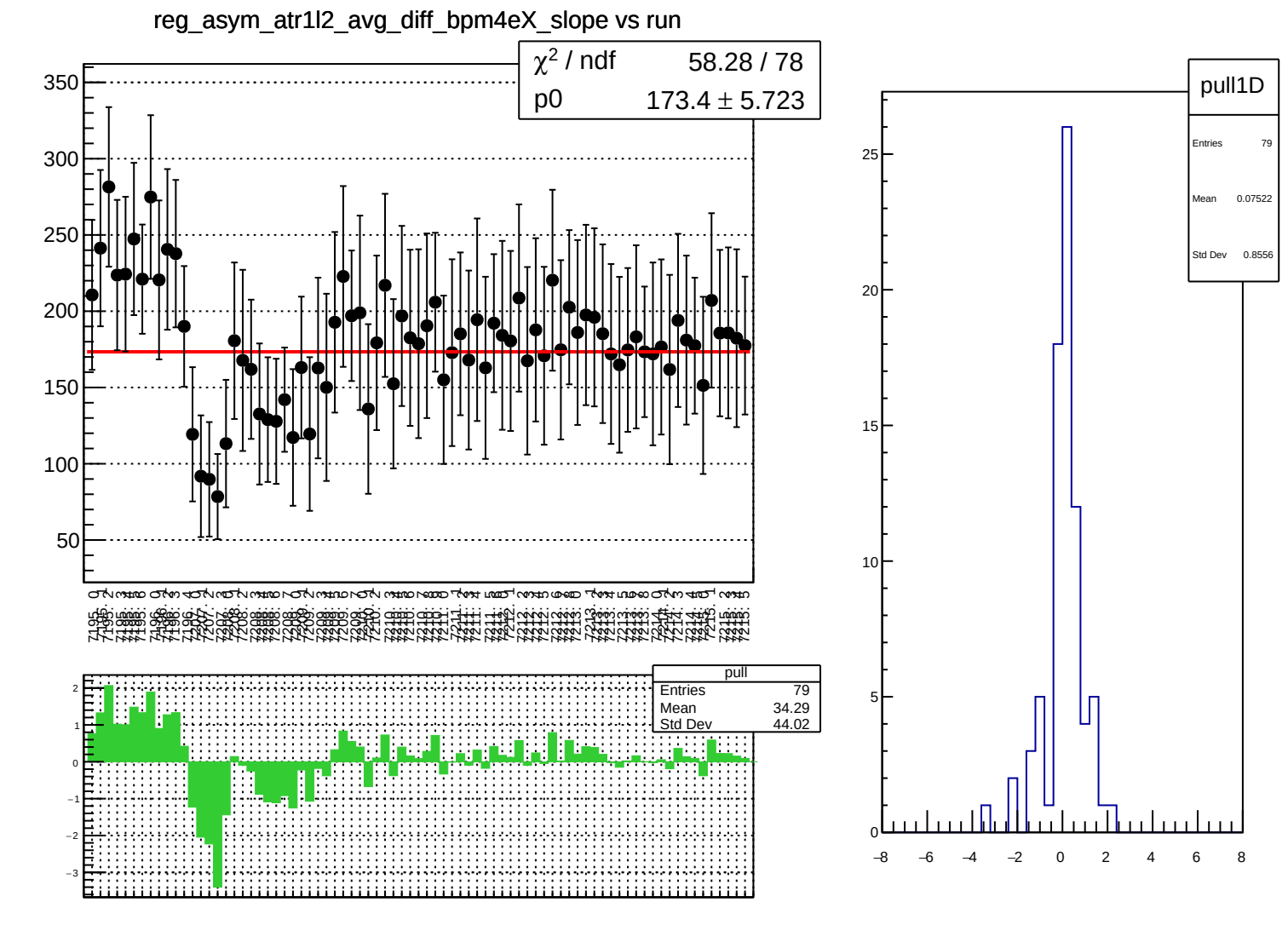

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 24.63 / 78
p0 −76.91 ± 4.609
pull
Entries 79
Mean 249.3
Std Dev 206.8
pull1D
Entries 79
Mean 0.0262
Std Dev 0.5577

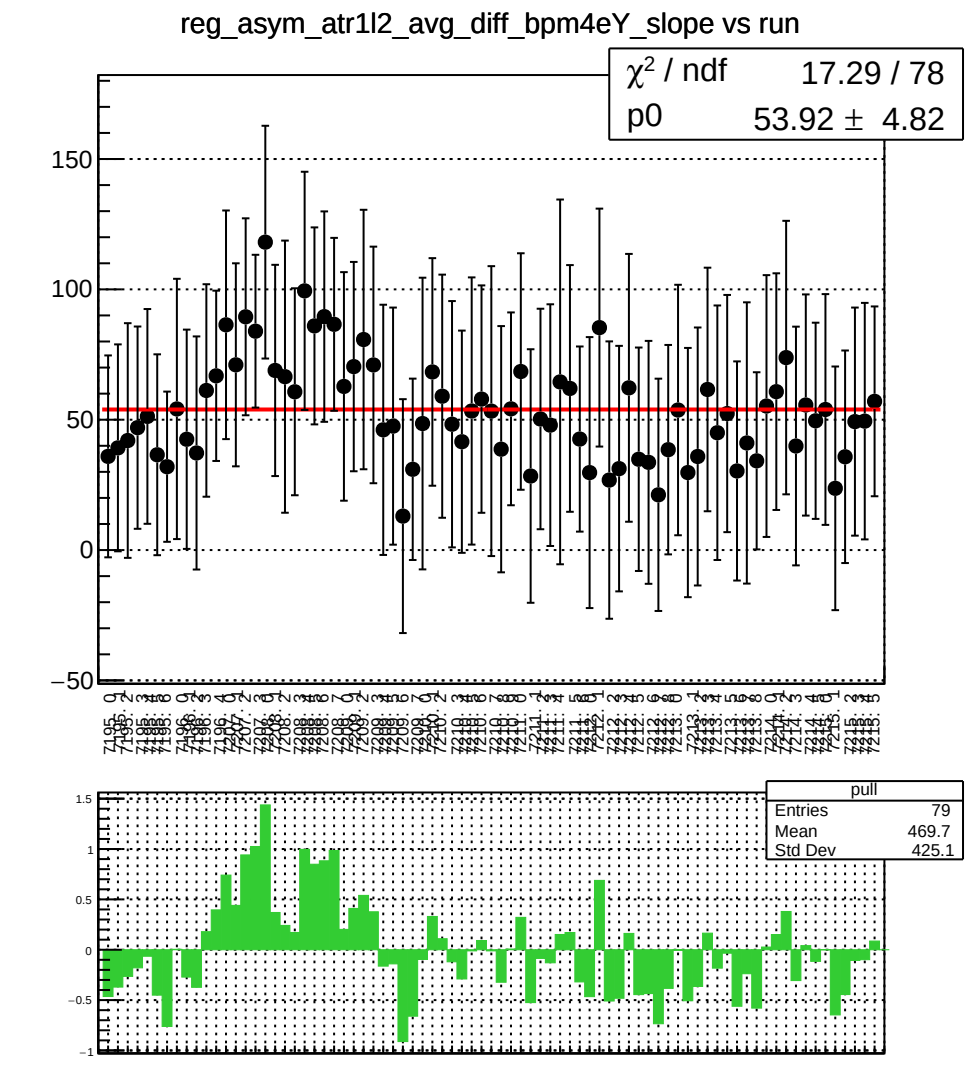

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 88.37 / 78
p0 118.6 ± 0.1945
pull
Entries 79
Mean 145.2
Std Dev 113.8
pull1D
Entries 79
Mean −0.1178
Std Dev 1.051

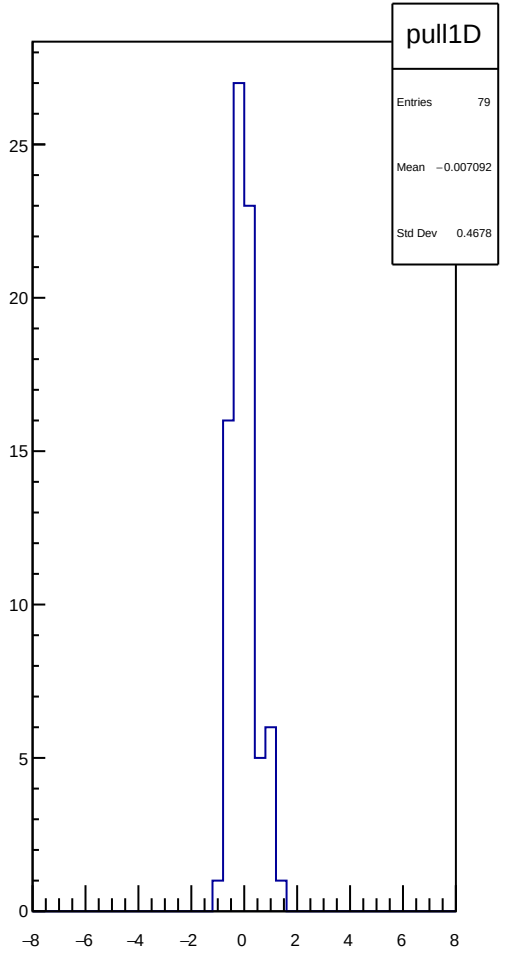

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 61.14 / 78
p0 −231.5 ± 5.687
−100
−150
−200
−250
−300
−350
−400
pull
Entries 79
Mean 21.92
Std Dev 44.04
3
2
1
0
−1
−2
pull1D
Entries 79
Mean −0.07092
Std Dev 0.8768
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

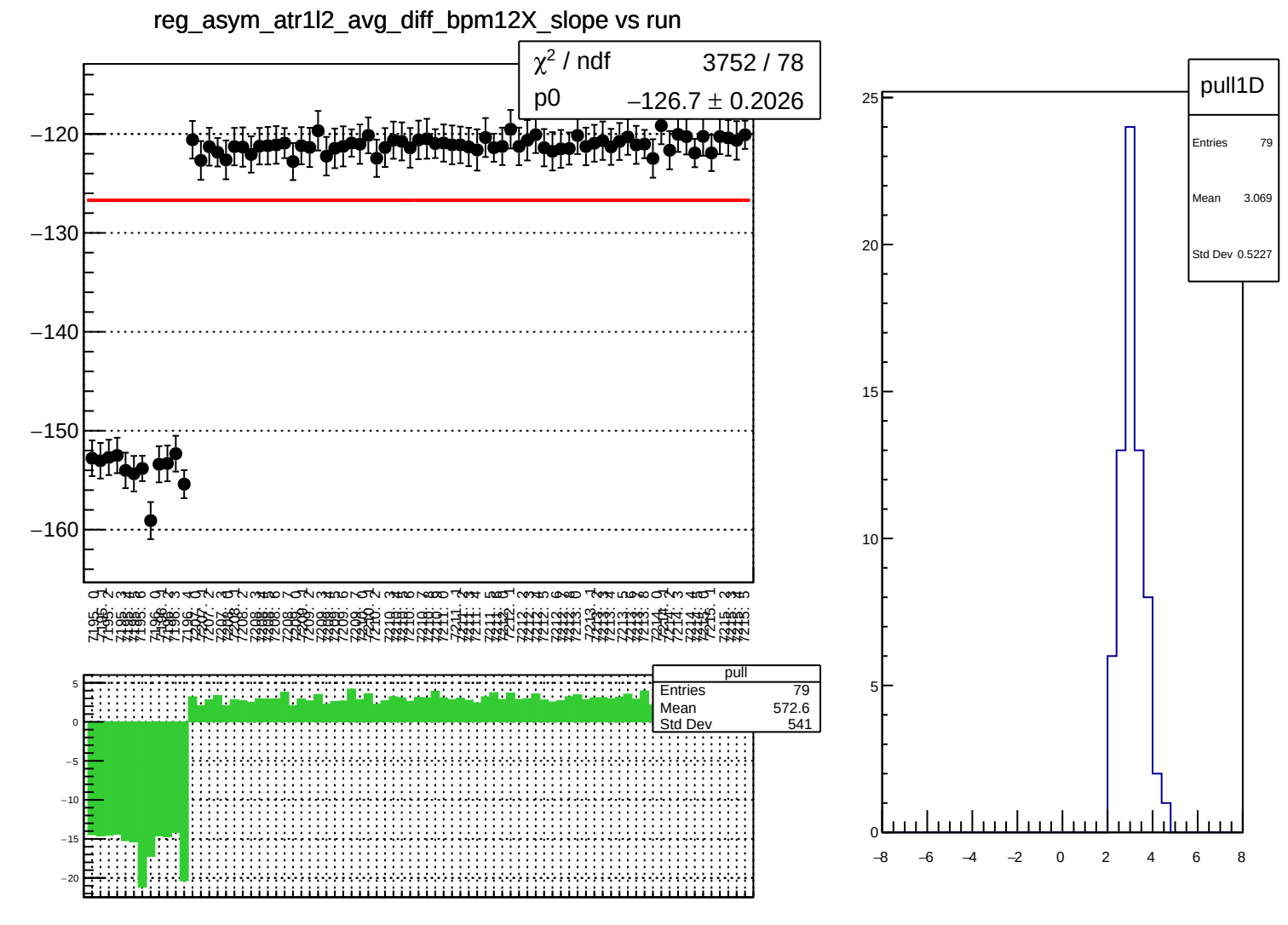

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 18.26 / 78
p0 5.861 ± 4.336
pull
Entries 79
Mean −581.1
Std Dev 637.8

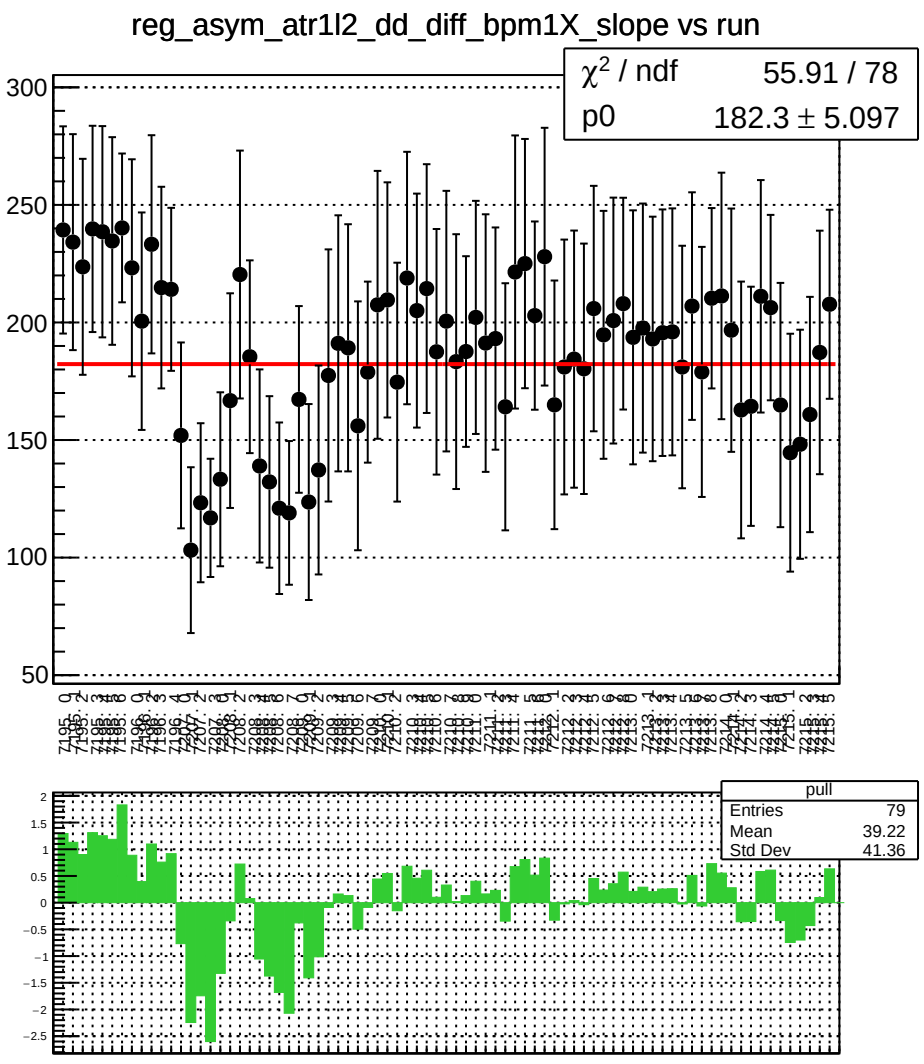

pull1D
Entries 79
Mean −0.00244
Std Dev 0.4807

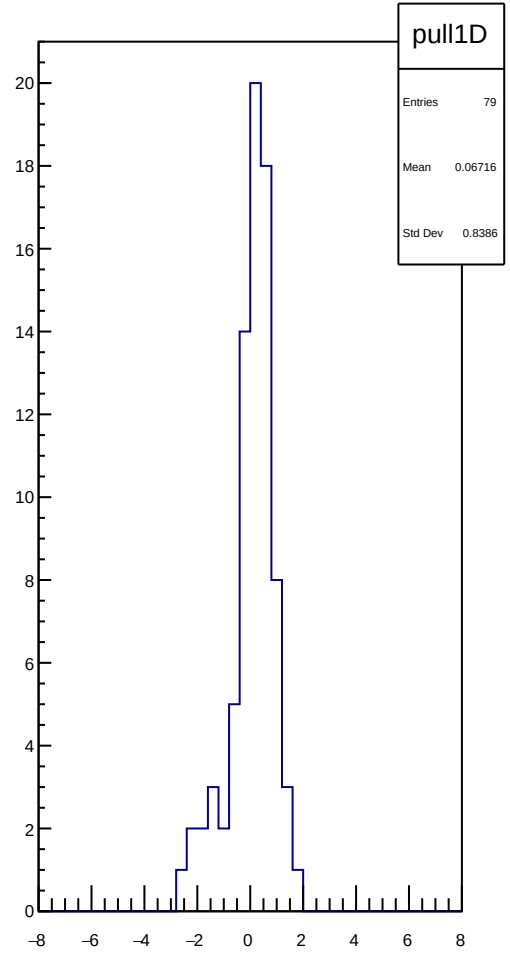

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 58.28 / 78
p0 173.4 ± 5.723
pull
Entries 79
Mean 34.29
Std Dev 44.02
pull1D
Entries 79
Mean 0.07522
Std Dev 0.8556

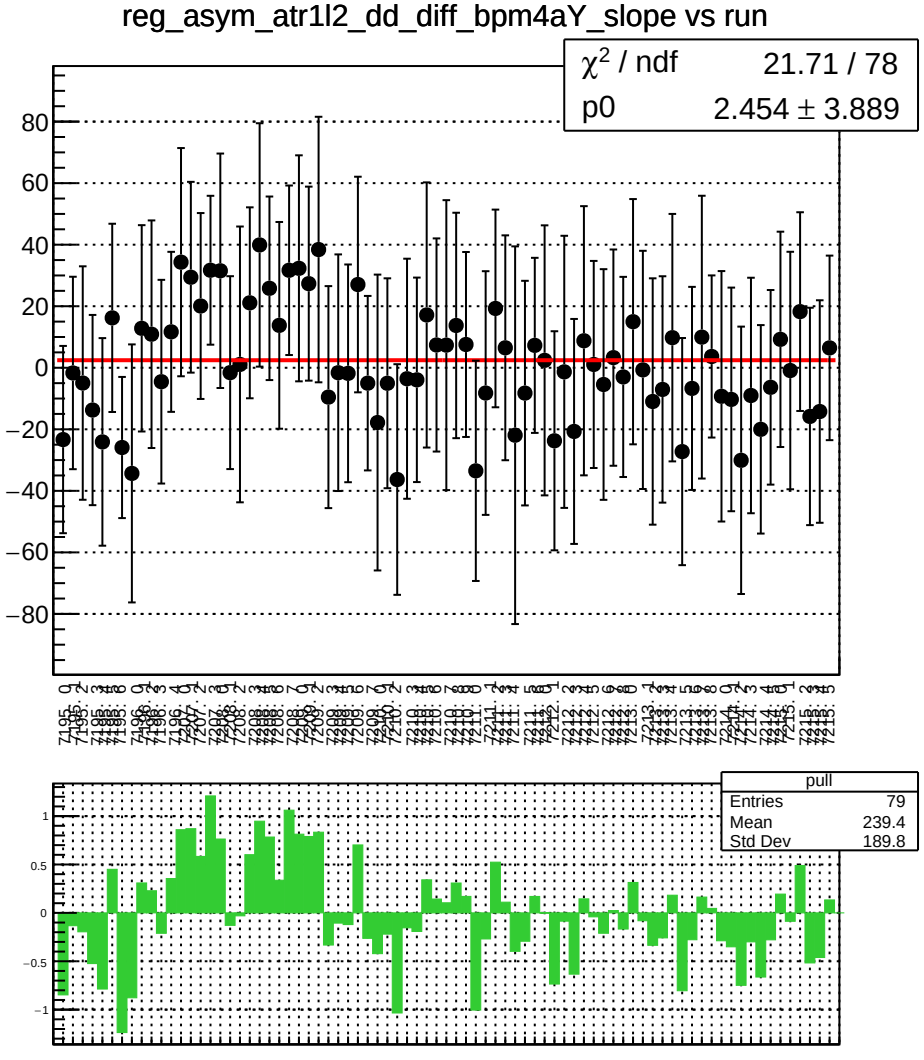

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 17.29 / 78
p0 53.92 ± 4.82
150
100
50
0
−50
pull
Entries 79
Mean 469.7
Std Dev 425.1
1.5
1
0.5
0
−0.5
−1

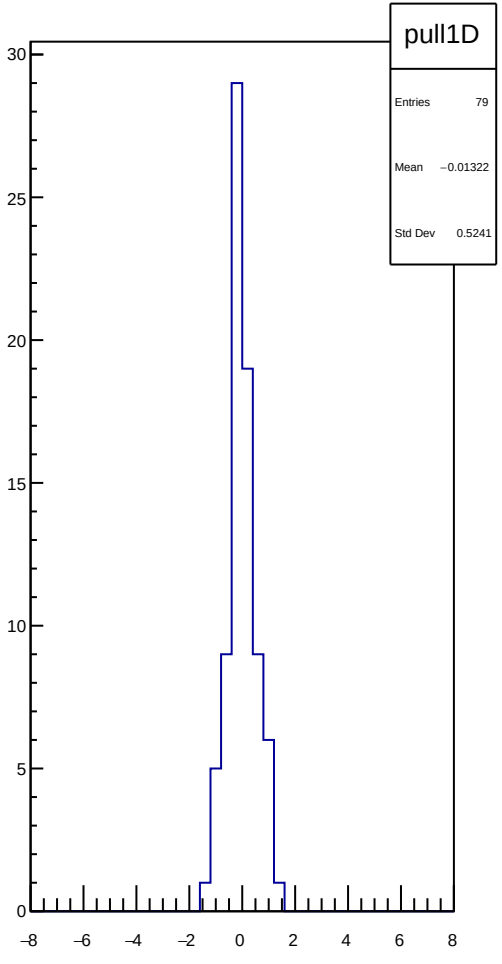

pull1D
Entries 79
Mean −0.007092
Std Dev 0.4678
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

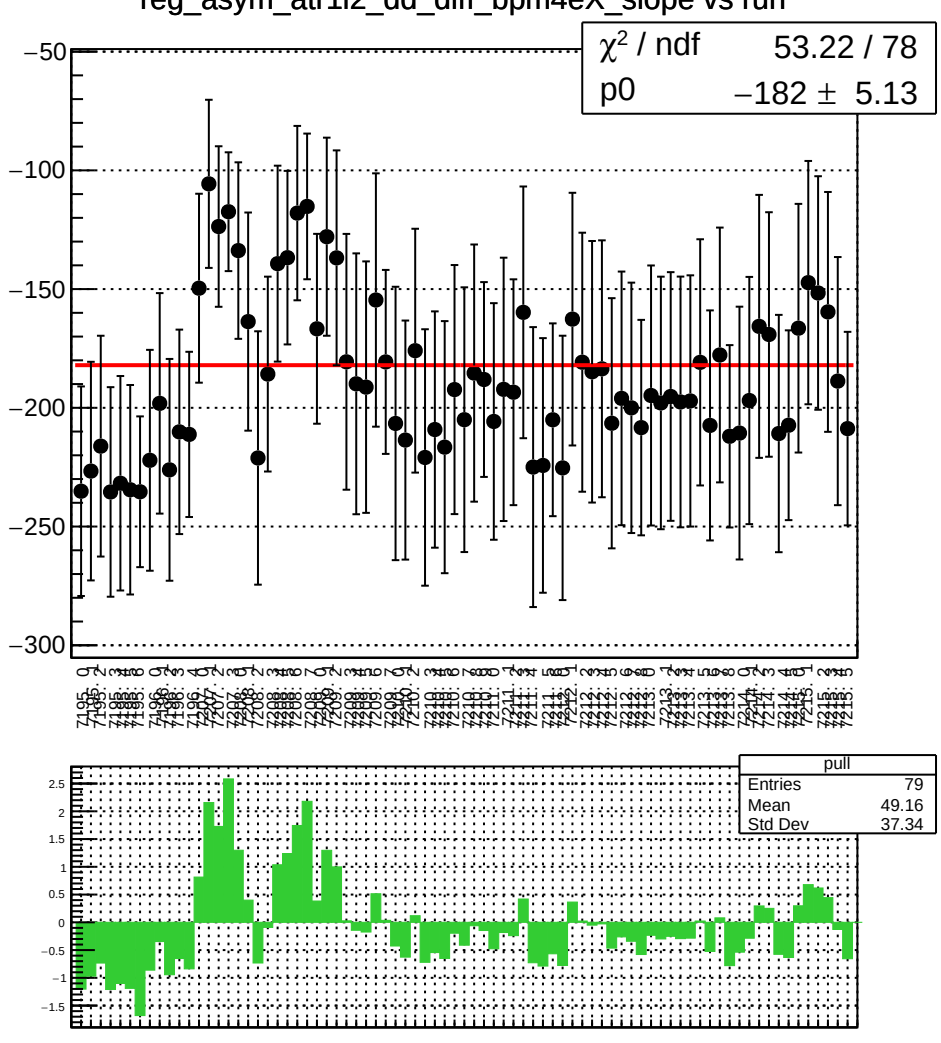

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 3752 / 78
p0 −126.7 ± 0.2026
−120
−130
−140
−150
−160
pull
Entries 79
Mean 572.6
Std Dev 541
5
0
−5
−10
−15
−20
pull1D
Entries 79
Mean 3.069
Std Dev 0.5227
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

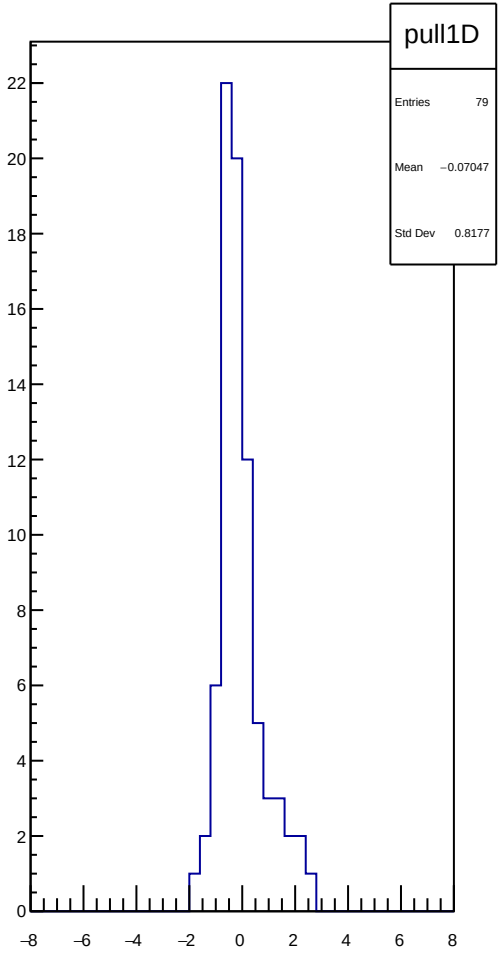

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 55.91 / 78
p0 182.3 ± 5.097
pull
Entries 79
Mean 39.22
Std Dev 41.36

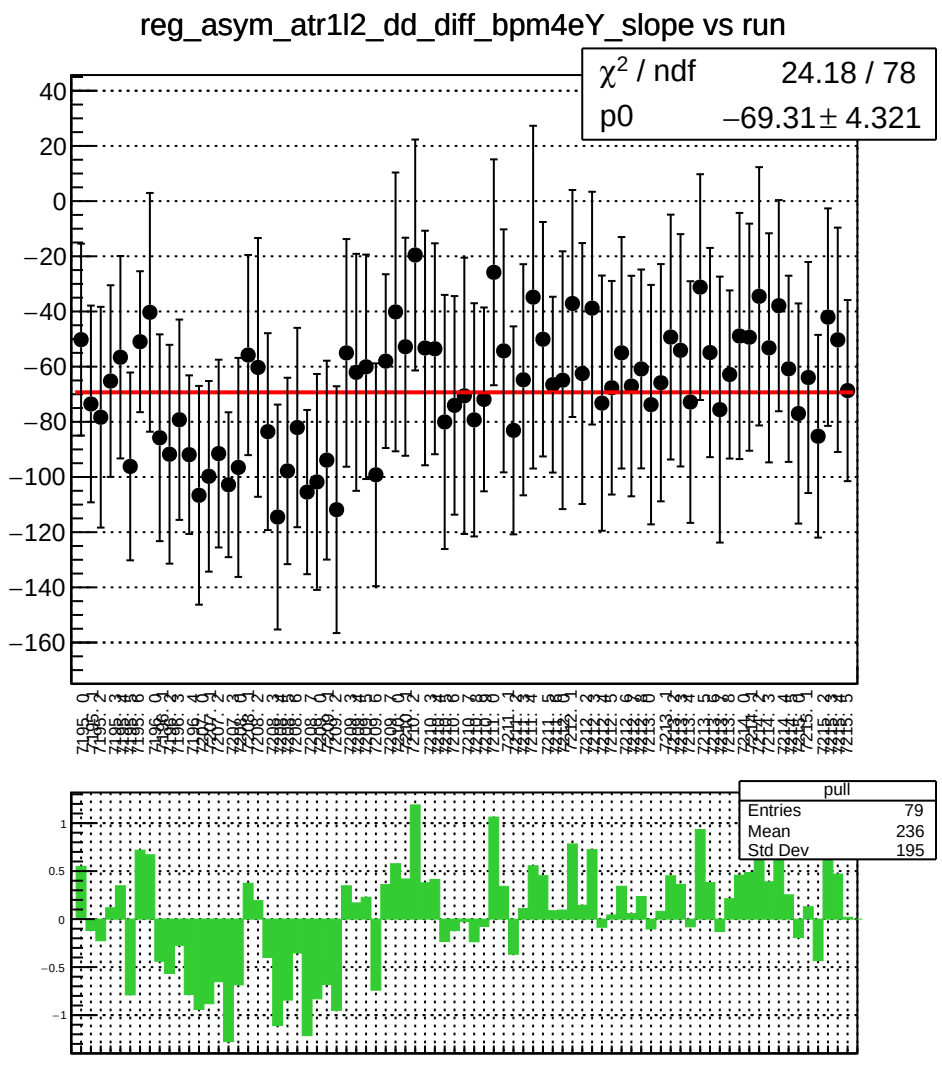

pull1D
Entries 79
Mean 0.06716
Std Dev 0.8386

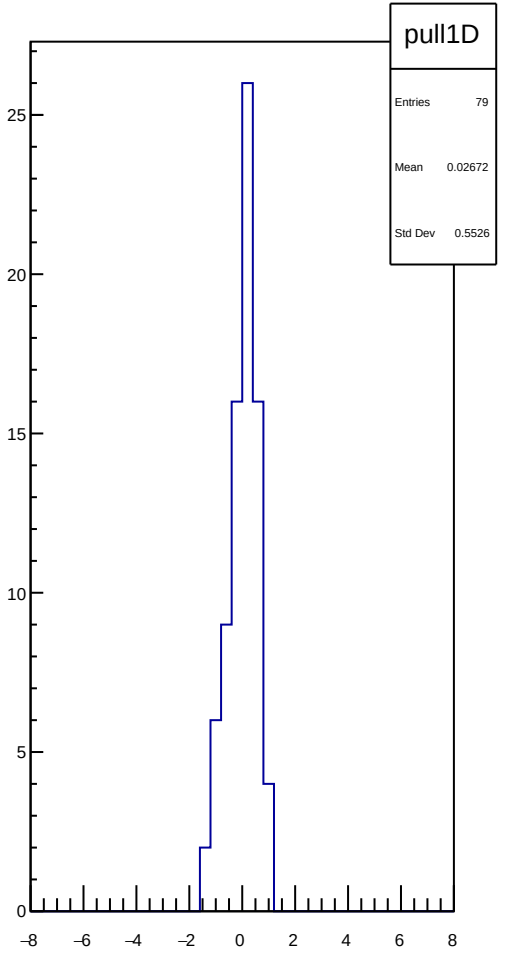

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 21.71 / 78
p0 2.454 ± 3.889
pull
Entries 79
Mean 239.4
Std Dev 189.8

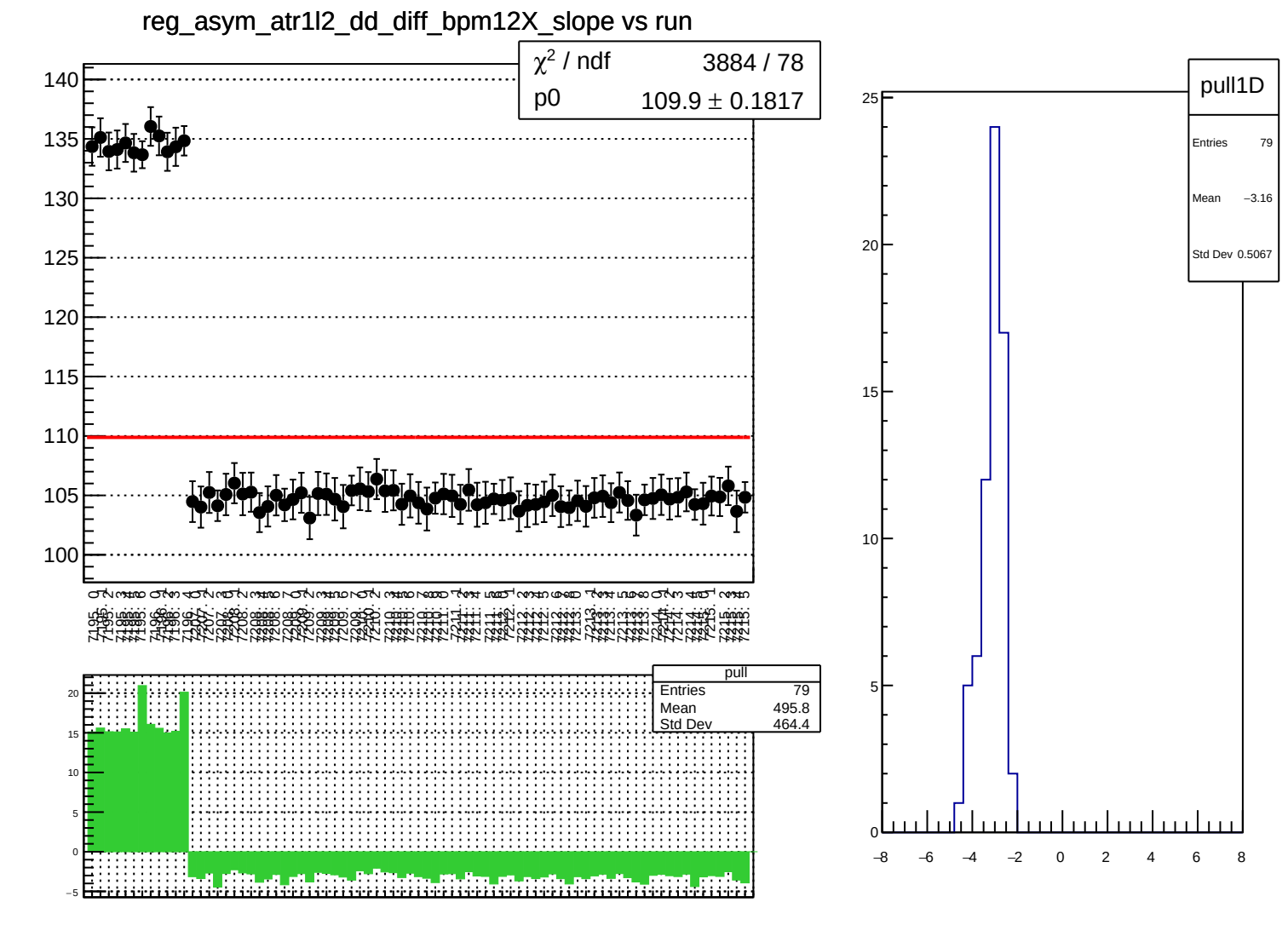

pull1D
Entries 79
Mean −0.01322
Std Dev 0.5241

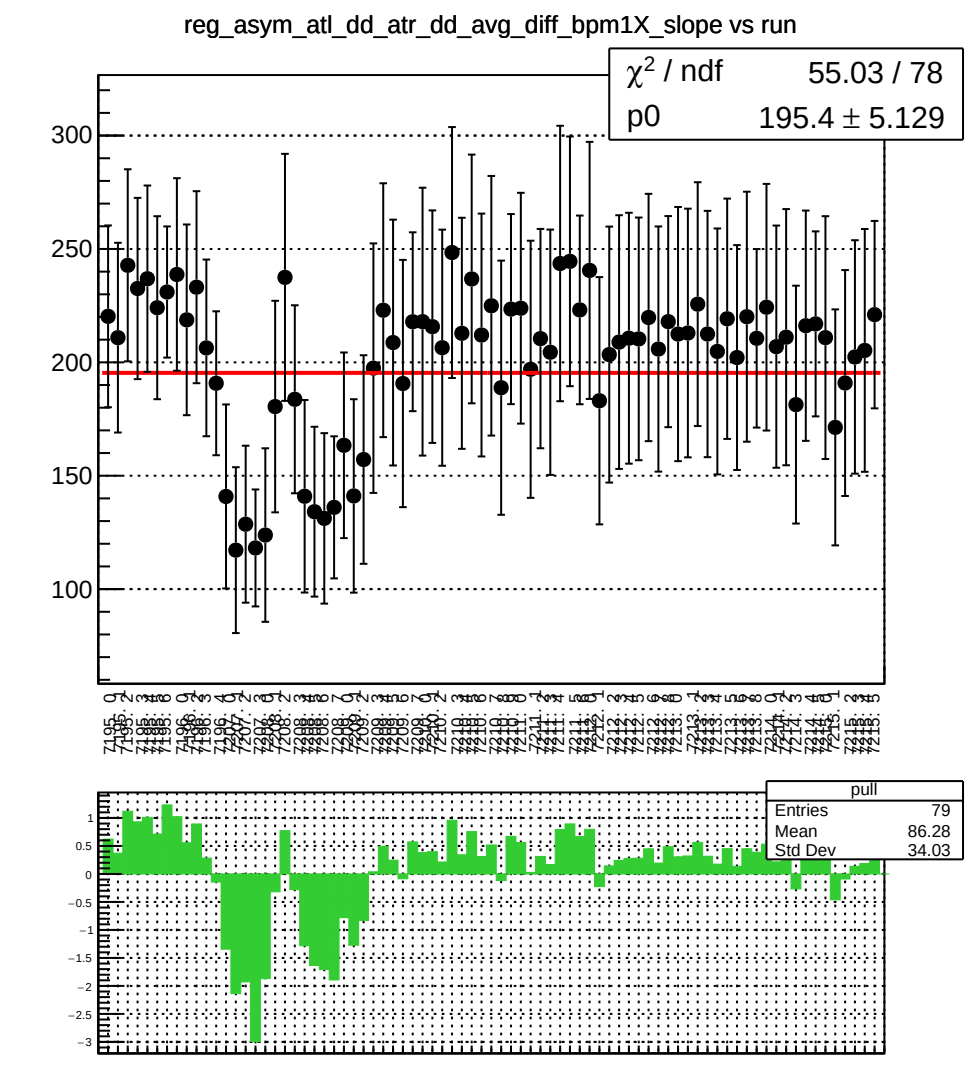

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 53.22 / 78
p0 −182 ± 5.13
pull
Entries 79
Mean 49.16
Std Dev 37.34

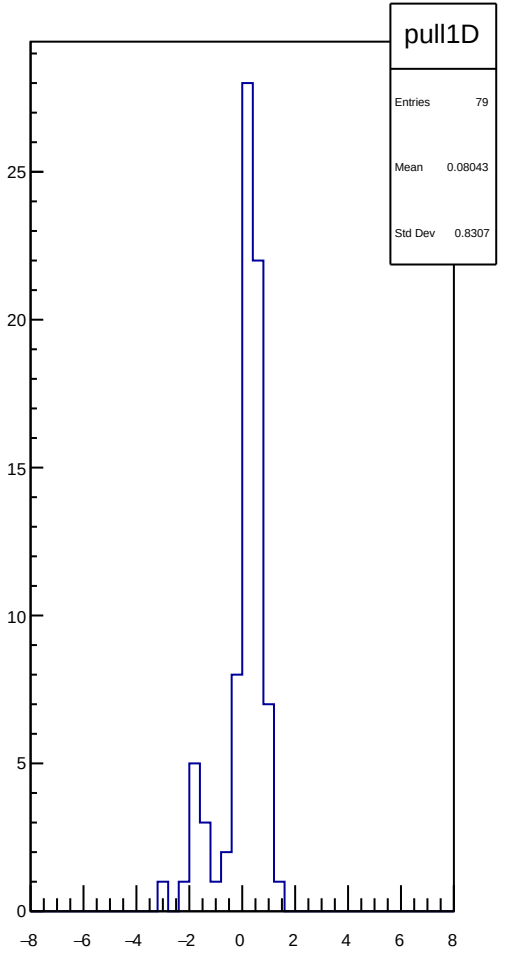

pull1D
Entries 79
Mean −0.07047
Std Dev 0.8177

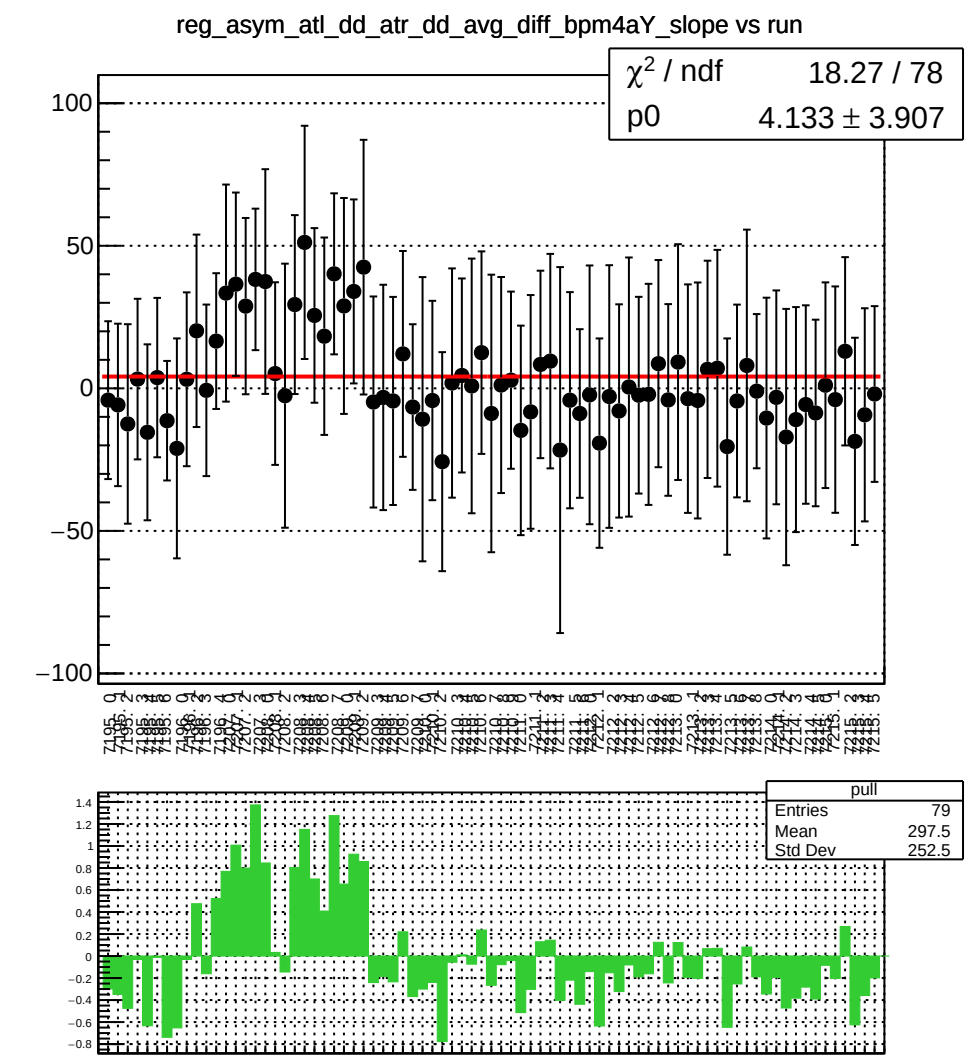

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 24.18 / 78
p0 −69.31 ± 4.321
pull
Entries 79
Mean 236
Std Dev 195

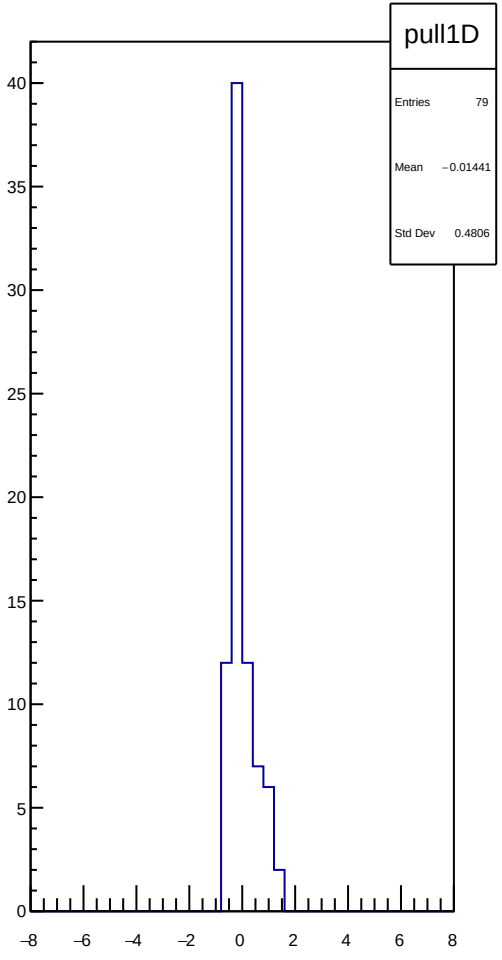

pull1D
Entries 79
Mean 0.02672
Std Dev 0.5526

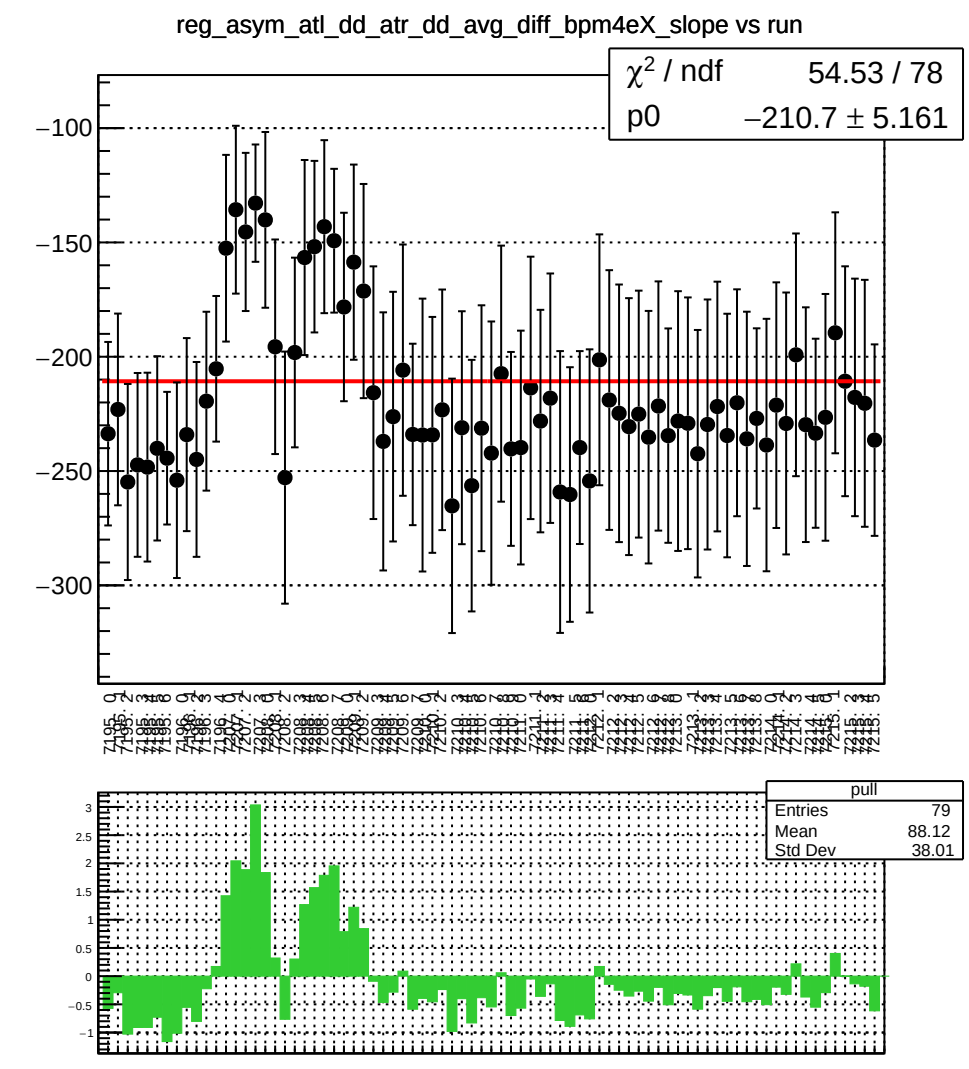

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 3884 / 78
p0 109.9 ± 0.1817
pull
Entries 79
Mean 495.8
Std Dev 464.4
pull1D
Entries 79
Mean −3.16
Std Dev 0.5067

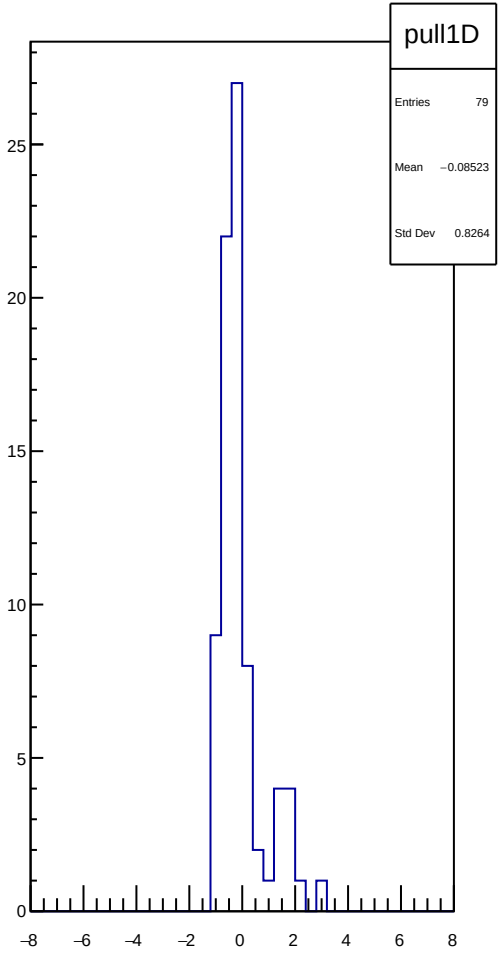

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 55.03 / 78
p0 195.4 ± 5.129
300
250
200
150
100
pull
Entries 79
Mean 86.28
Std Dev 34.03
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

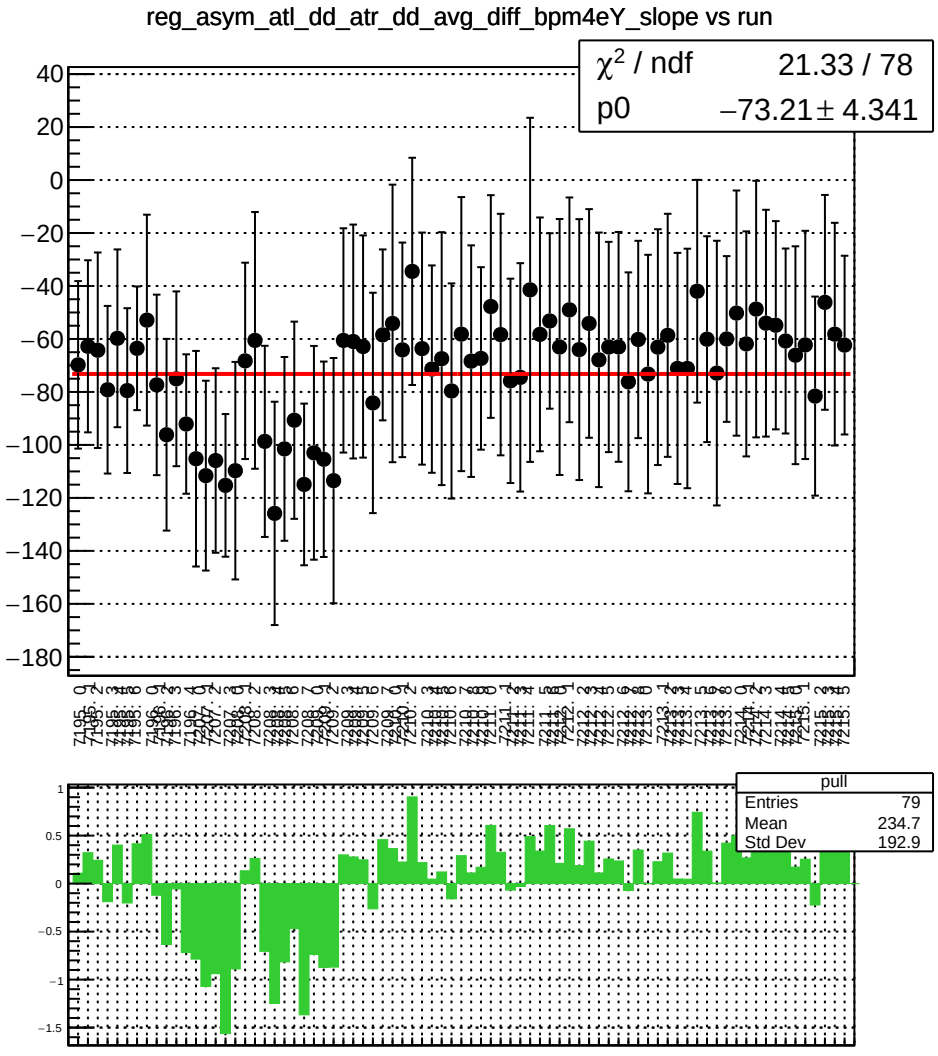

pull1D
Entries 79
Mean 0.08043
Std Dev 0.8307
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

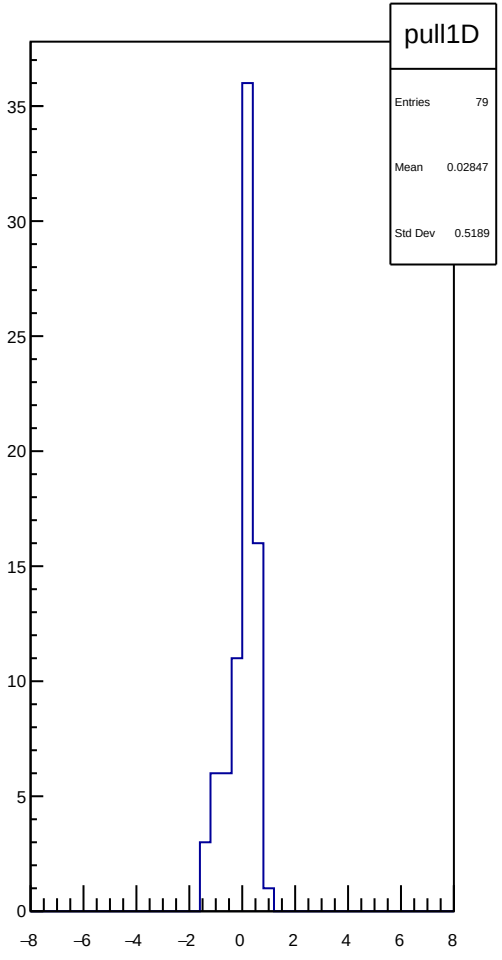

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 18.27 / 78
p0 4.133 ± 3.907
pull
Entries 79
Mean 297.5
Std Dev 252.5

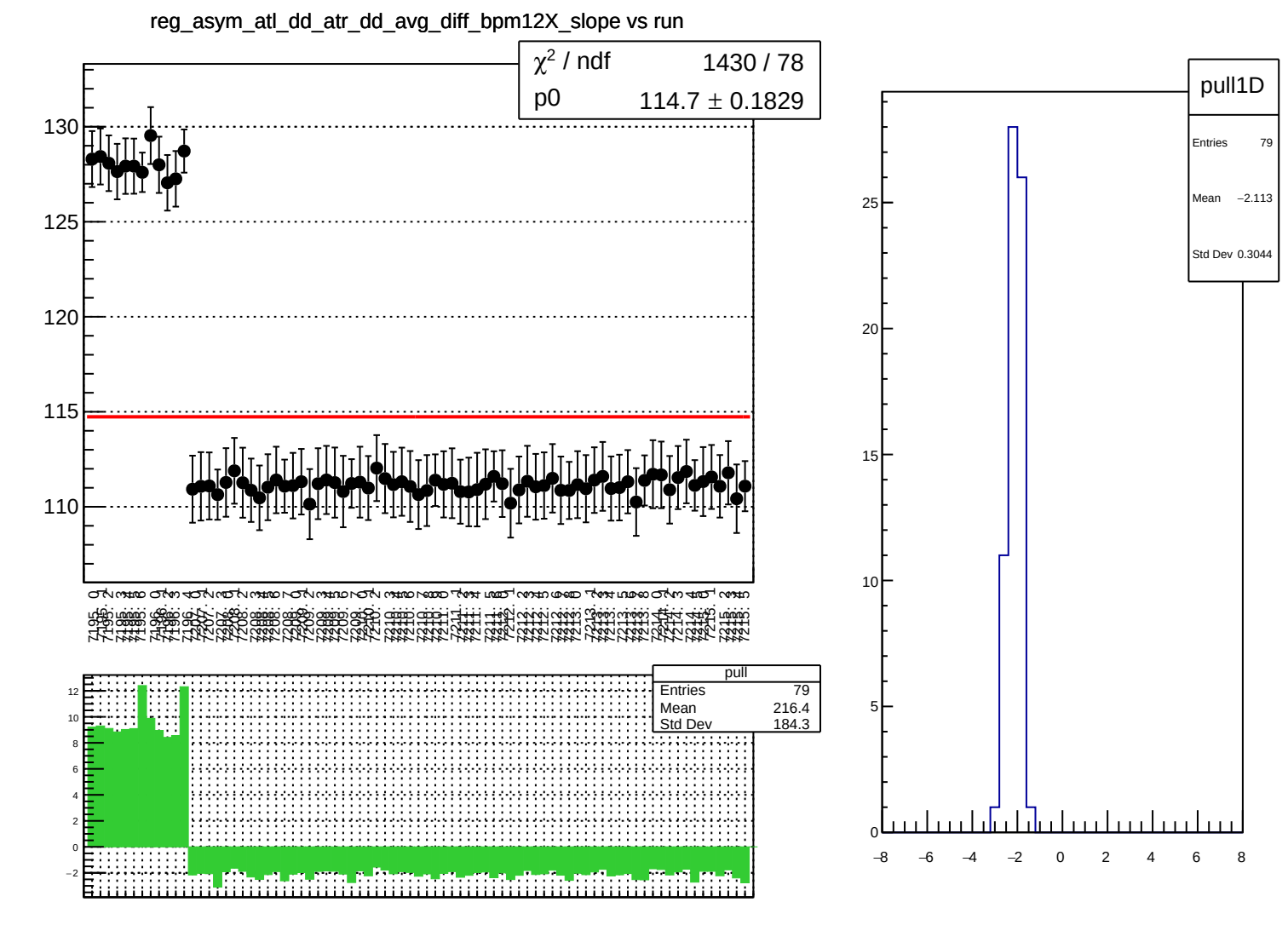

pull1D
Entries 79
Mean −0.01441
Std Dev 0.4806

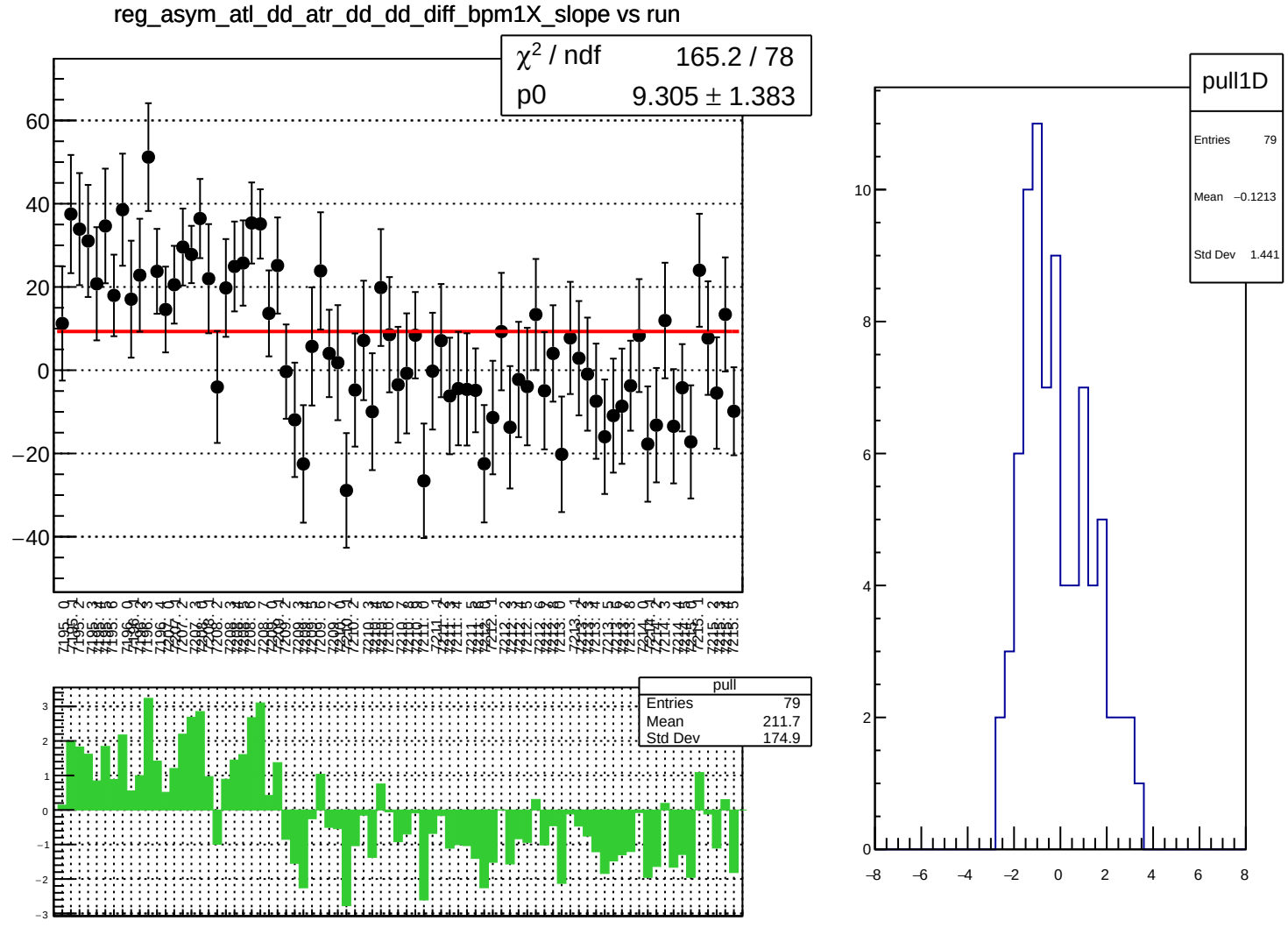

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 54.53 / 78
p0 −210.7 ± 5.161
pull
Entries 79
Mean 88.12
Std Dev 38.01

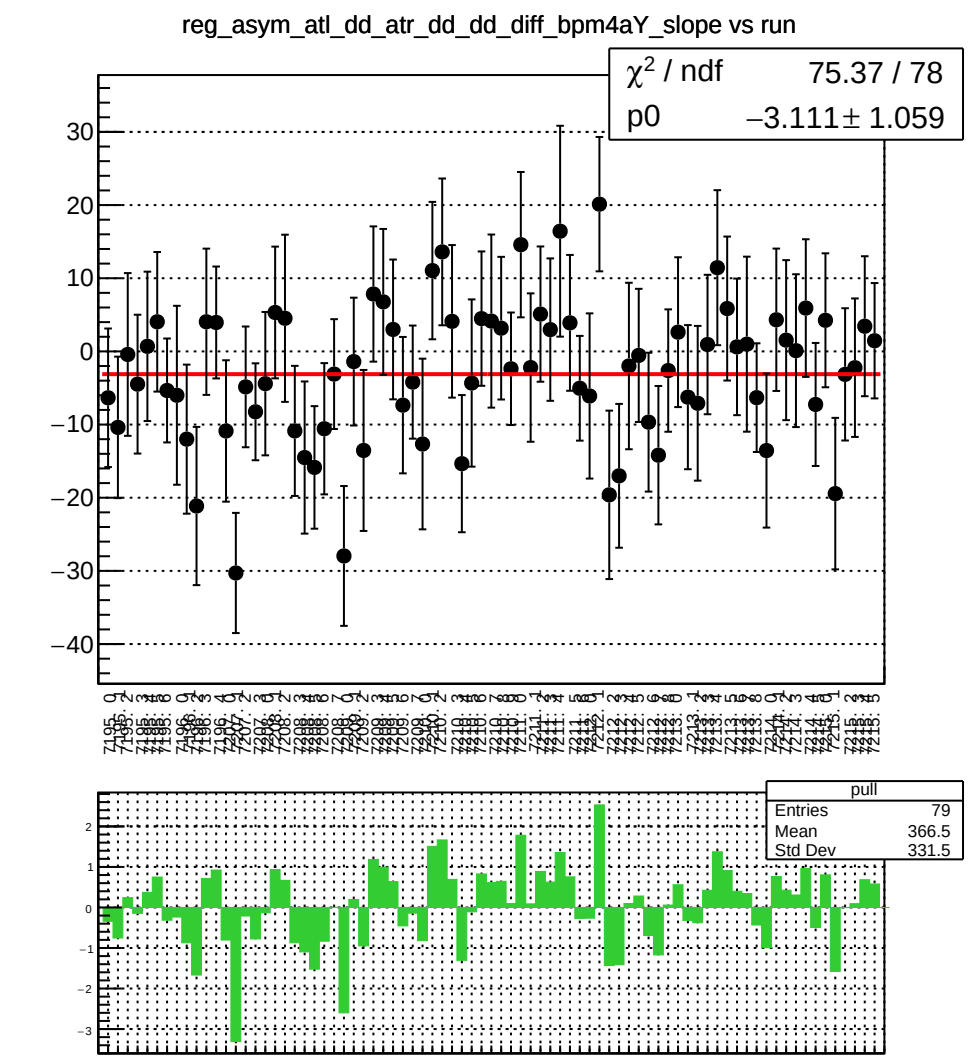

pull1D
Entries 79
Mean −0.08523
Std Dev 0.8264

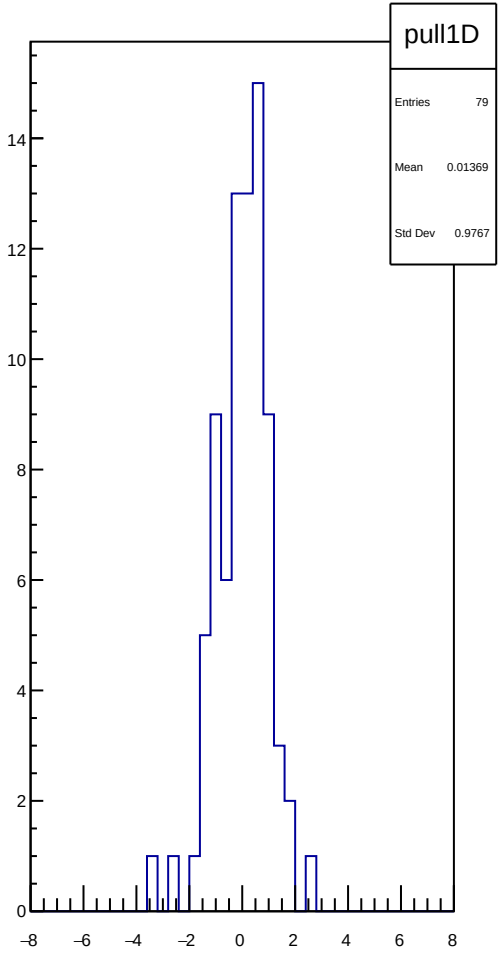

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 21.33 / 78
p0 −73.21 ± 4.341
pull
Entries 79
Mean 234.7
Std Dev 192.9

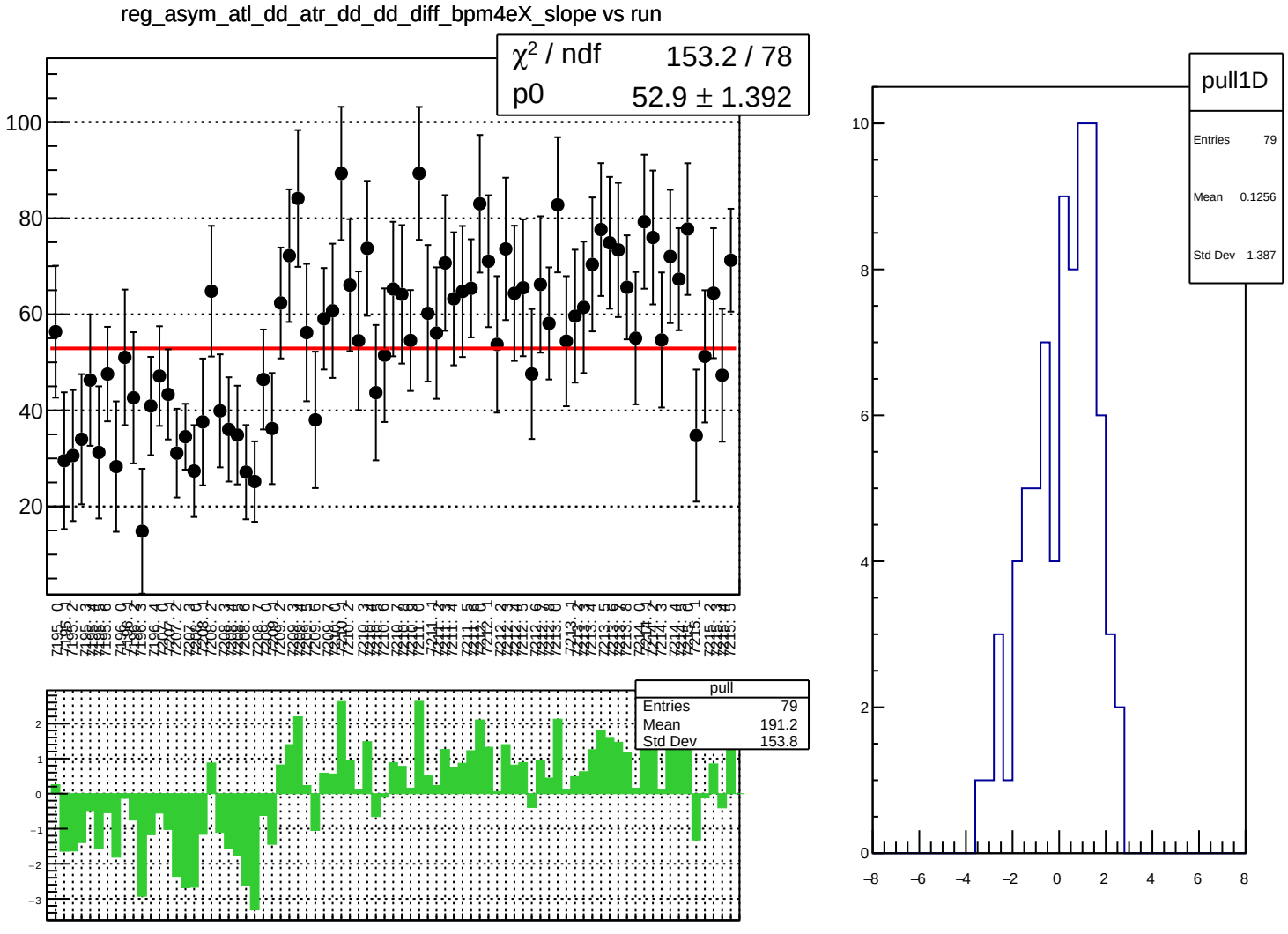

pull1D
Entries 79
Mean 0.02847
Std Dev 0.5189

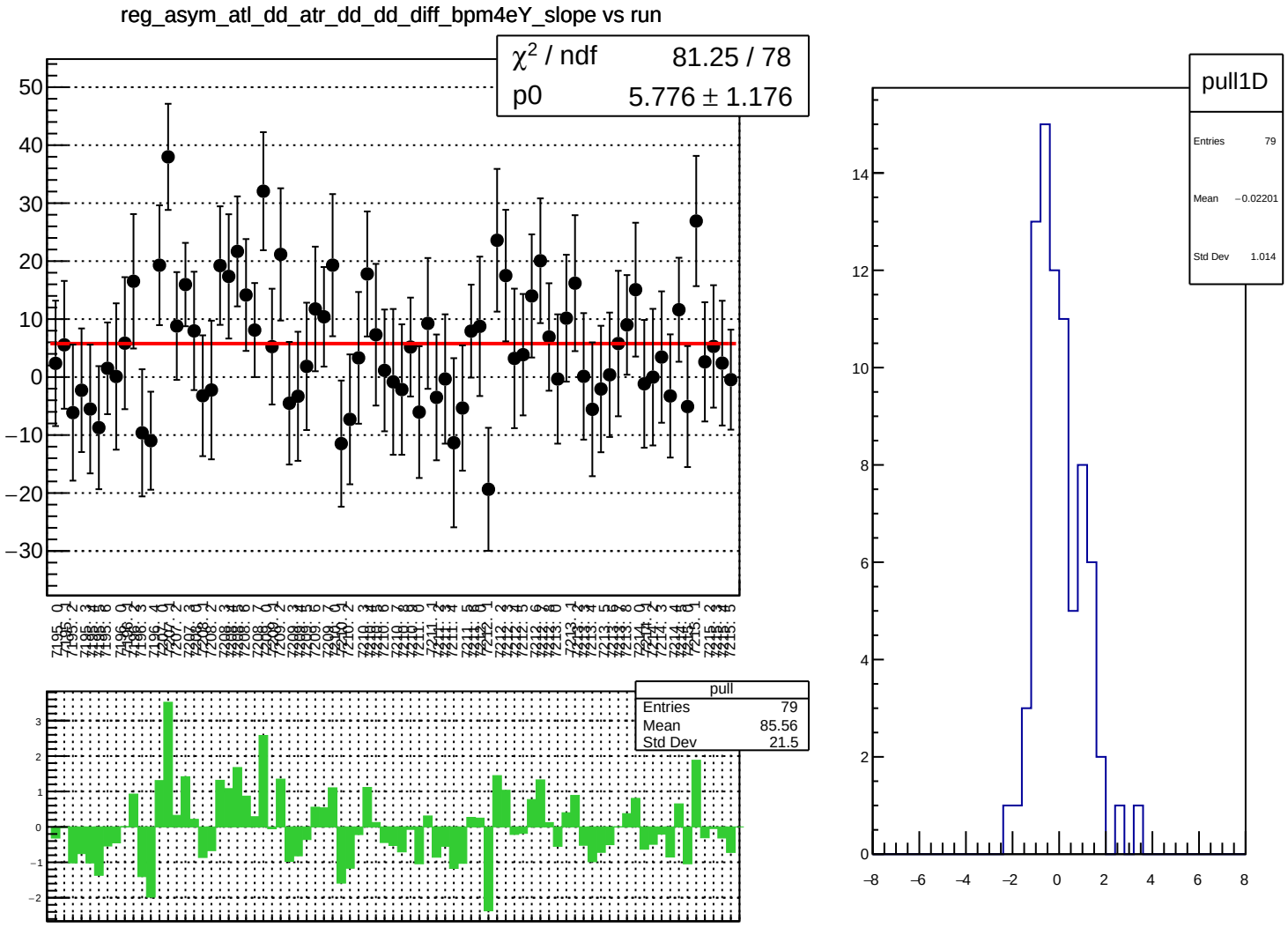

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 1430 / 78
p0 114.7 ± 0.1829
130
125
120
115
110
pull
Entries 79
Mean 216.4
Std Dev 184.3
12
10
8
6
4
2
0
−2
pull1D
Entries 79
Mean −2.113
Std Dev 0.3044
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

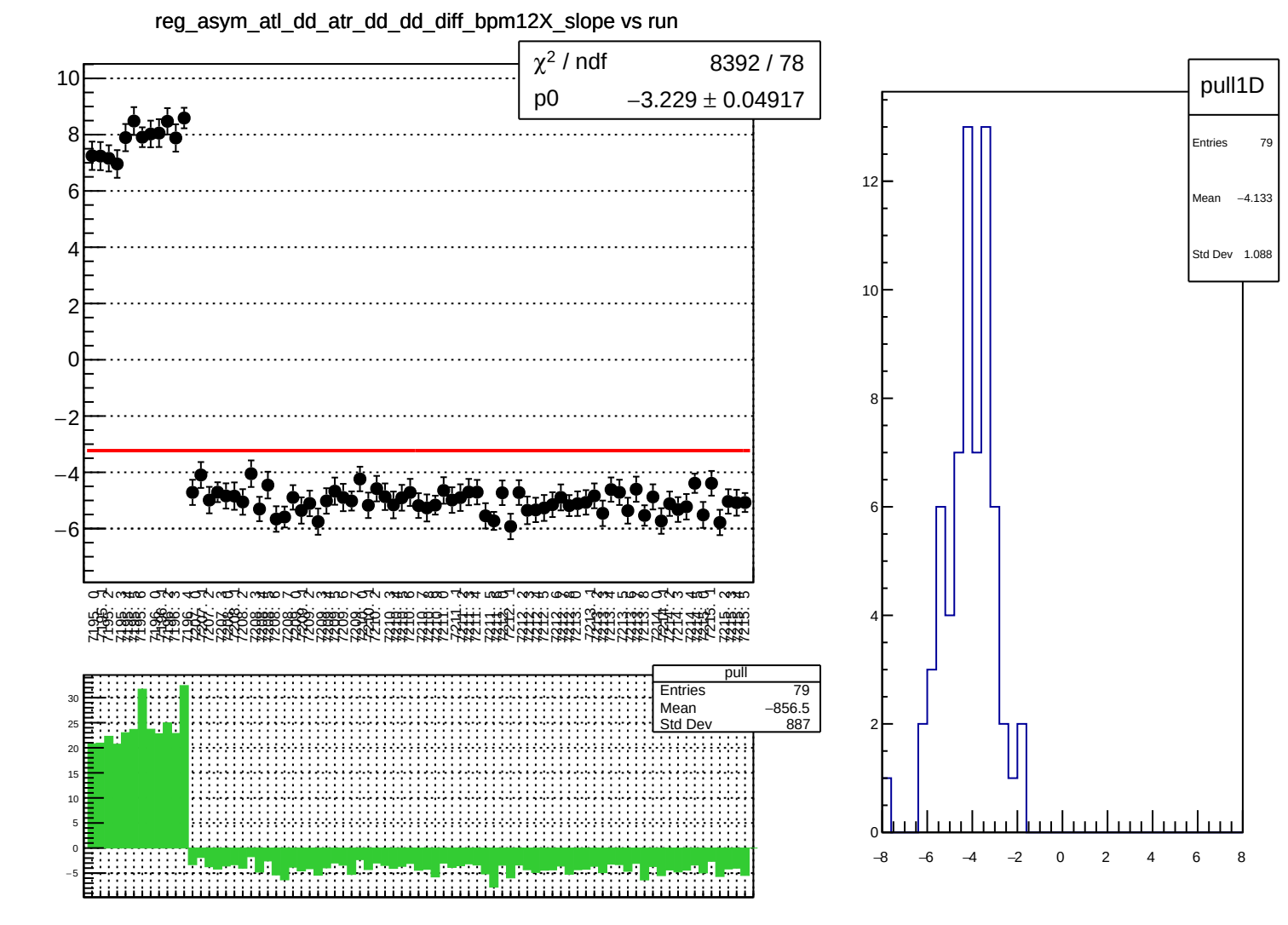

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 165.2 / 78
p0 9.305 ± 1.383
pull
Entries 79
Mean 211.7
Std Dev 174.9
pull1D
Entries 79
Mean −0.1213
Std Dev 1.441

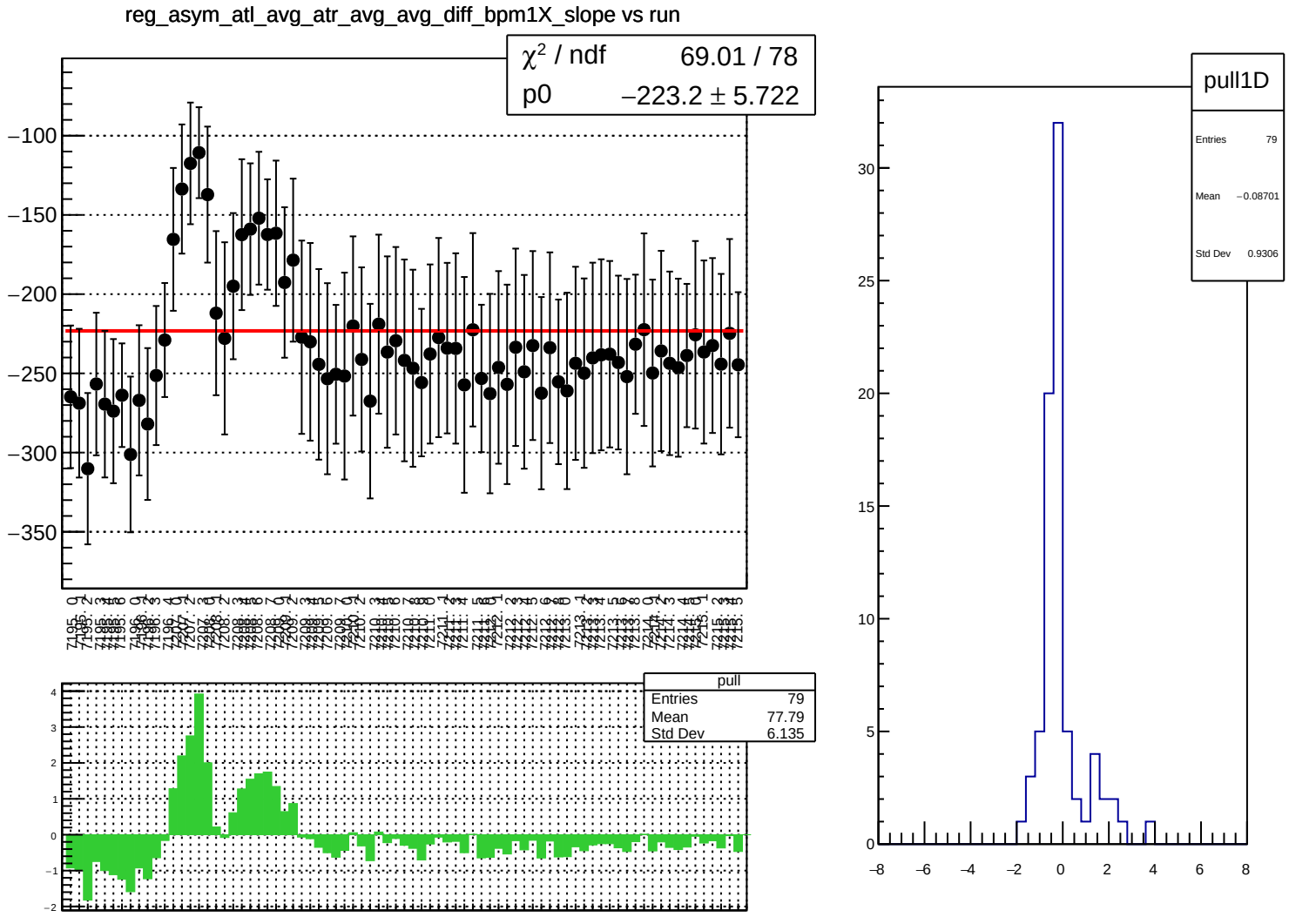

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 75.37 / 78
p0 −3.111 ± 1.059
pull
Entries 79
Mean 366.5
Std Dev 331.5

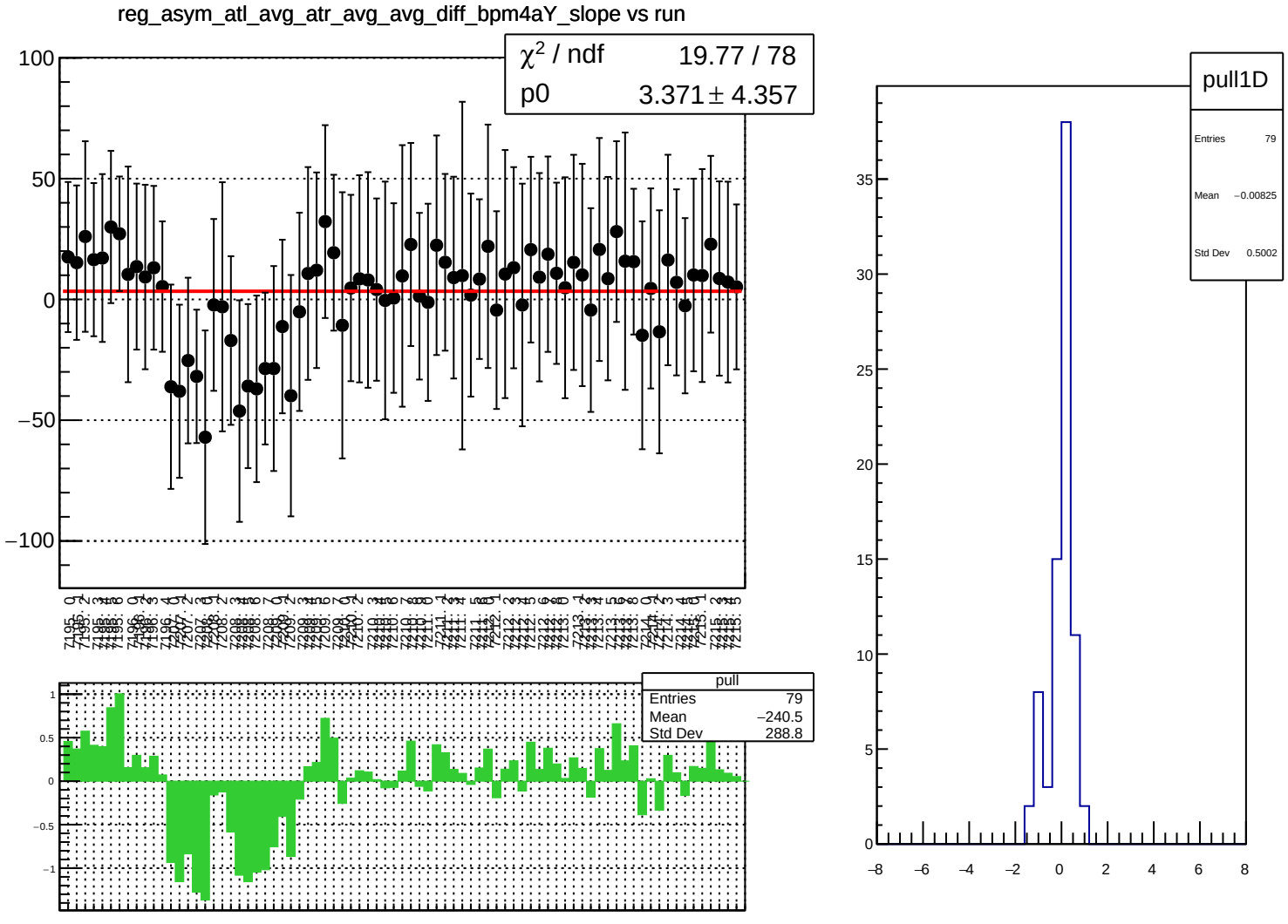

pull1D
Entries 79
Mean 0.01369
Std Dev 0.9767

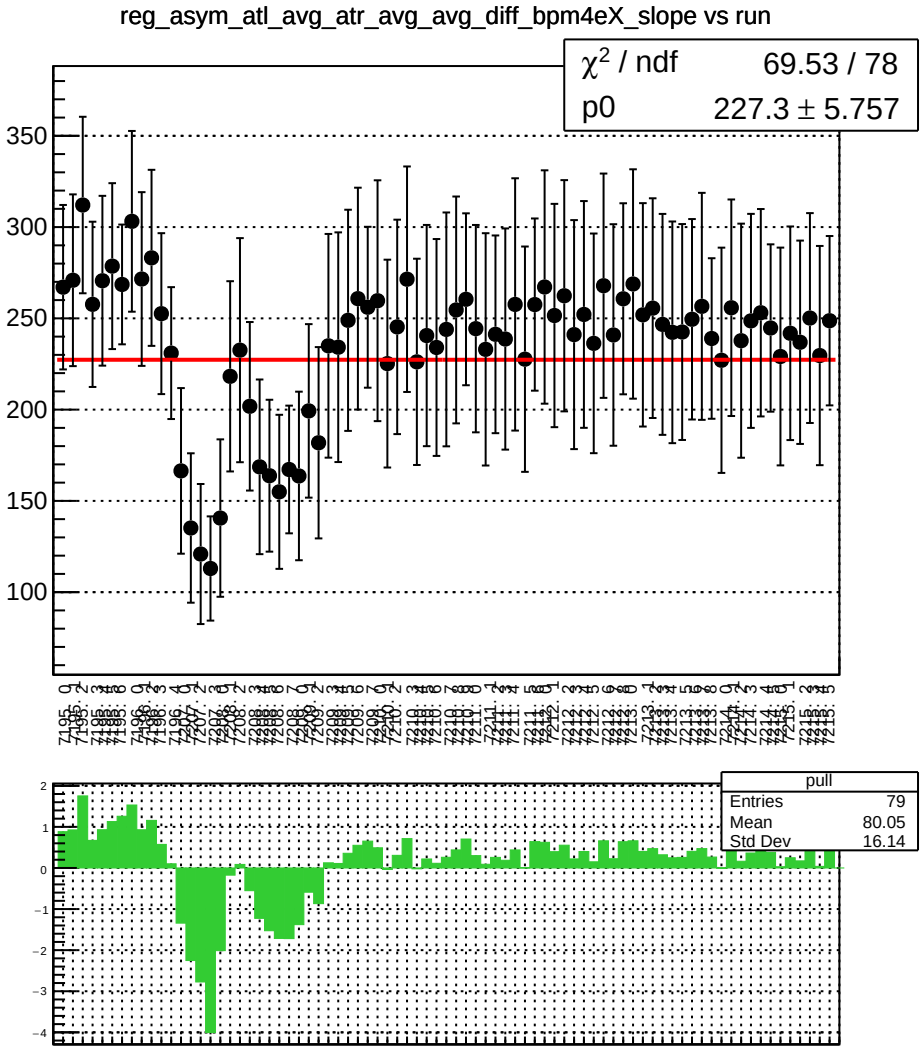

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 153.2 / 78
p0 52.9 ± 1.392
pull
Entries 79
Mean 191.2
Std Dev 153.8
pull1D
Entries 79
Mean 0.1256
Std Dev 1.387

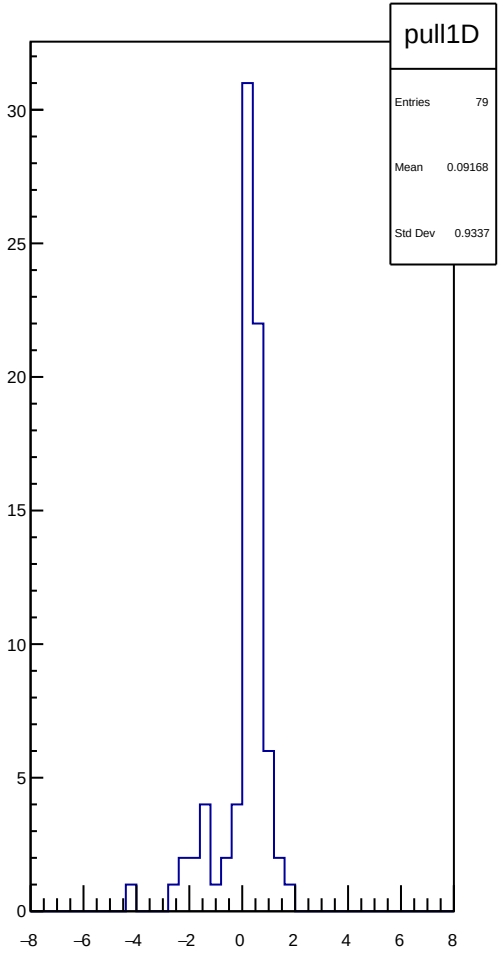

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 81.25 / 78
p0 5.776 ± 1.176
pull
Entries 79
Mean 85.56
Std Dev 21.5
pull1D
Entries 79
Mean −0.02201
Std Dev 1.014

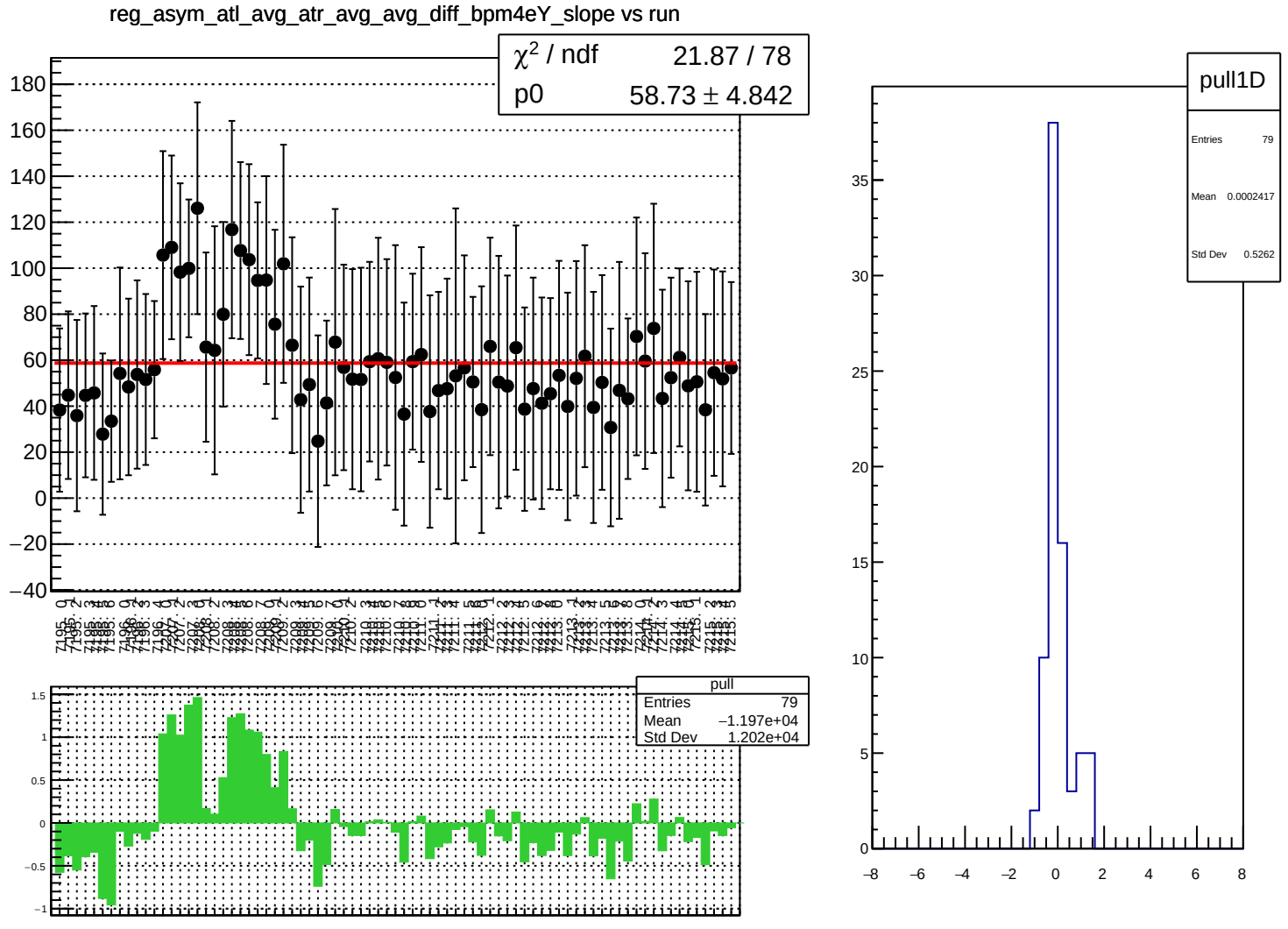

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 8392 / 78
p0 −3.229 ± 0.04917
pull
Entries 79
Mean −856.5
Std Dev 887
pull1D
Entries 79
Mean −4.133
Std Dev 1.088

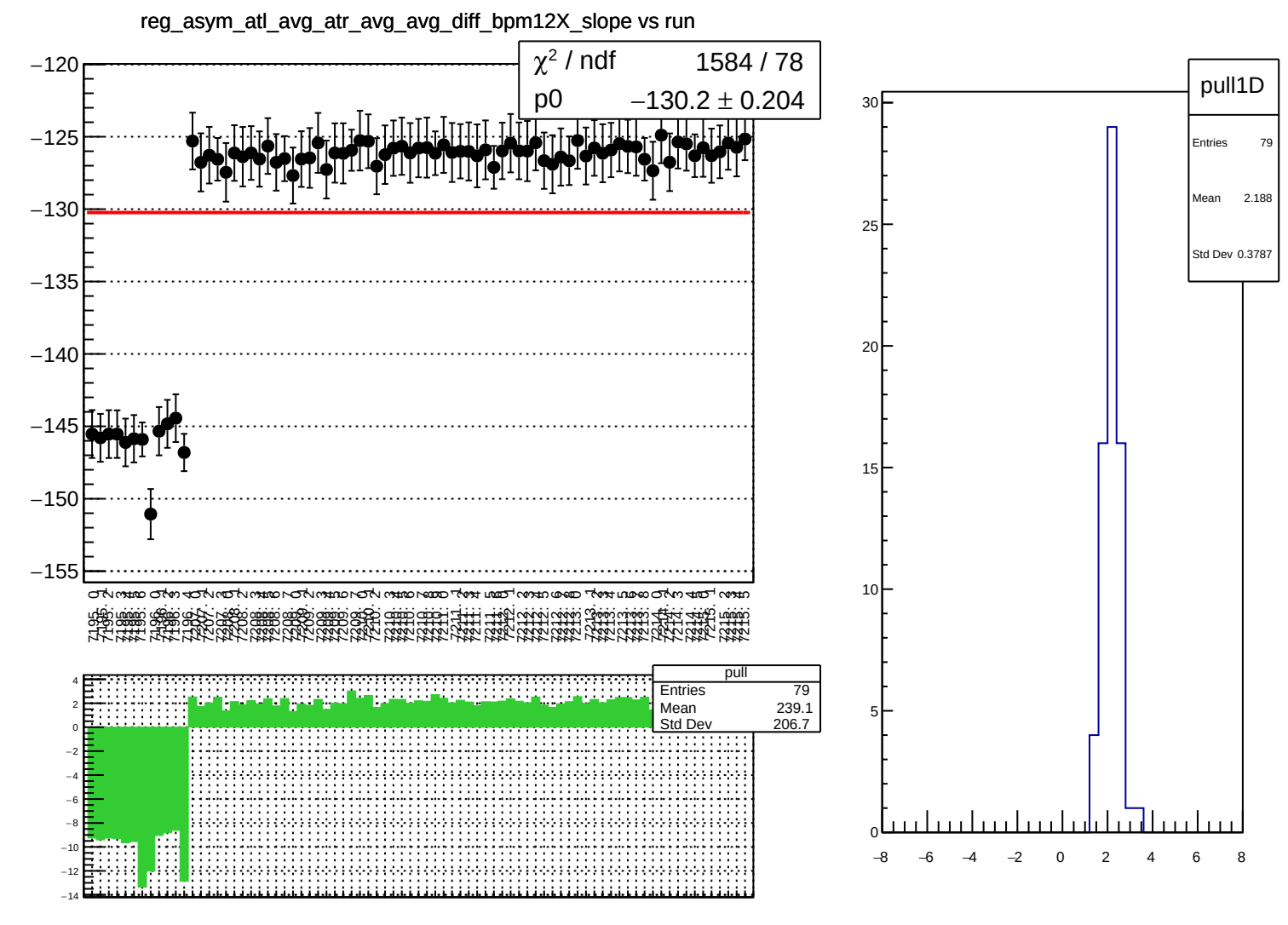

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 69.01 / 78
p0 −223.2 ± 5.722
pull
Entries 79
Mean 77.79
Std Dev 6.135
pull1D
Entries 79
Mean −0.08701
Std Dev 0.9306

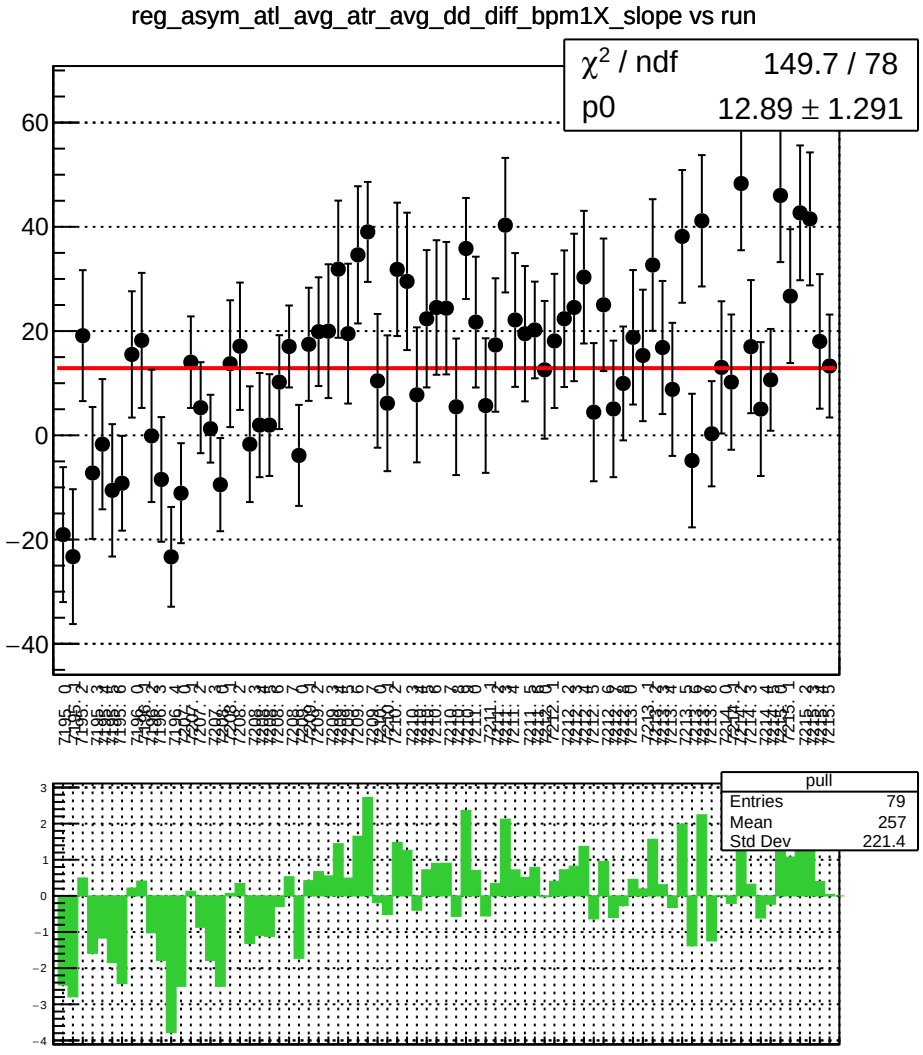

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 19.77 / 78
p0 3.371 ± 4.357
pull
Entries 79
Mean −240.5
Std Dev 288.8
pull1D
Entries 79
Mean −0.00825
Std Dev 0.5002

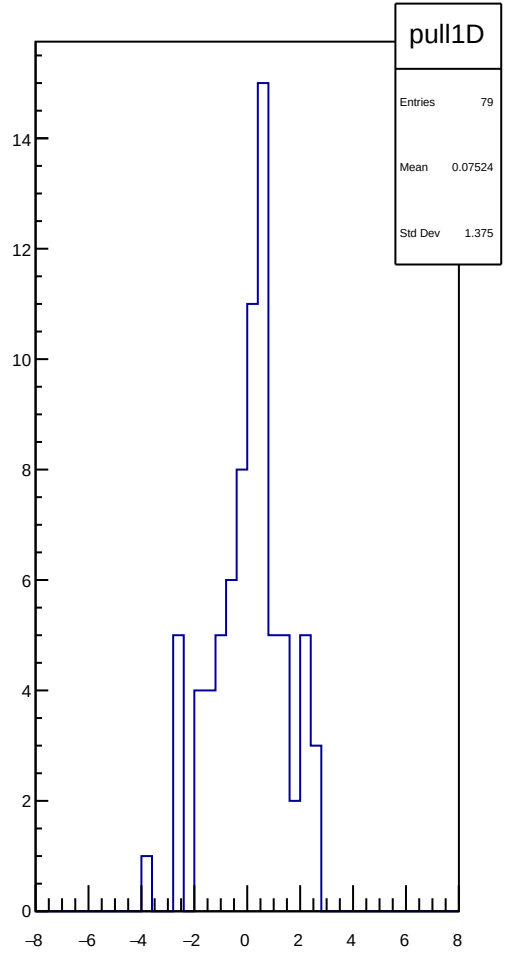

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 69.53 / 78
p0 227.3 ± 5.757
pull
Entries 79
Mean 80.05
Std Dev 16.14

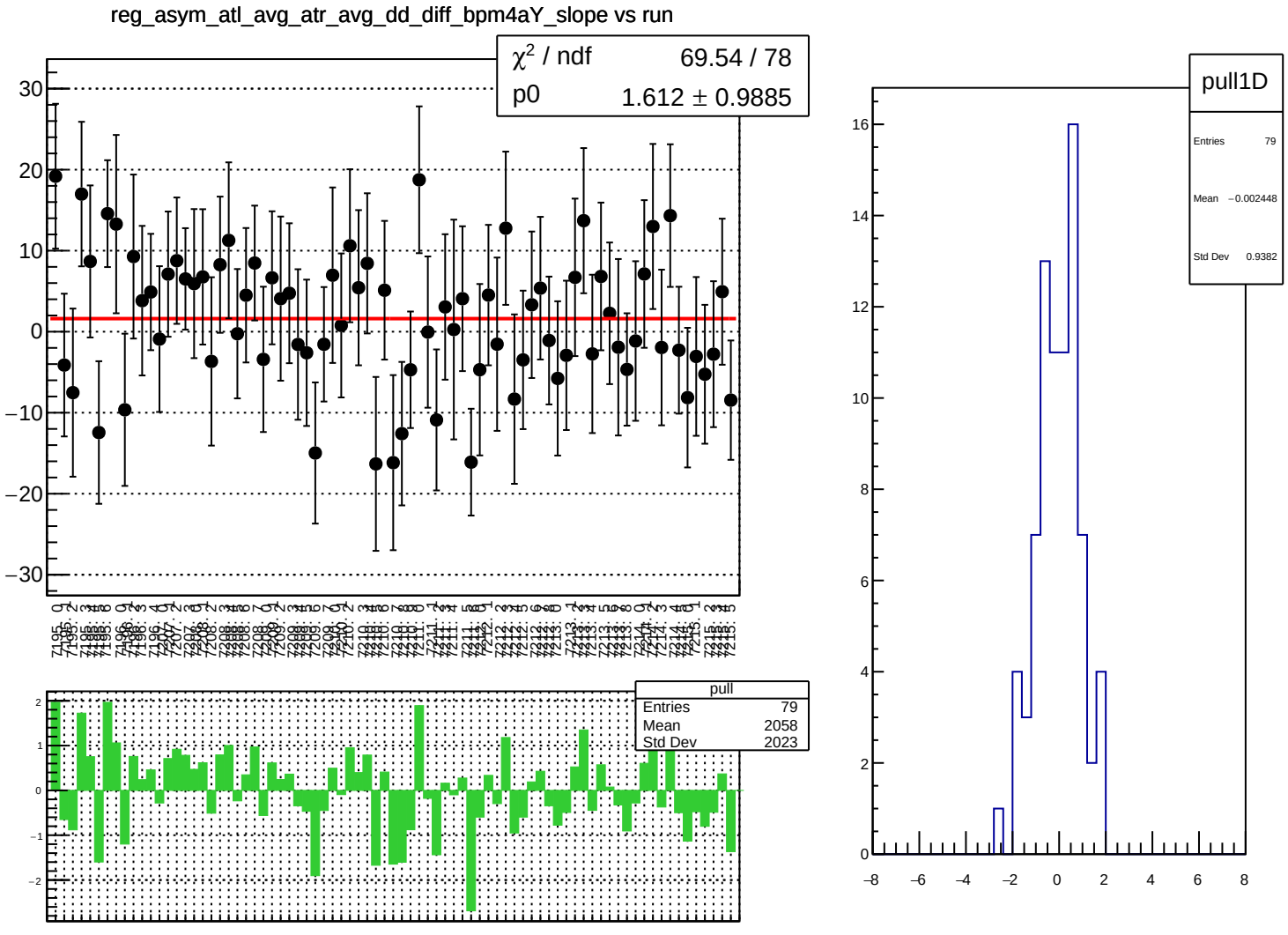

pull1D
Entries 79
Mean 0.09168
Std Dev 0.9337

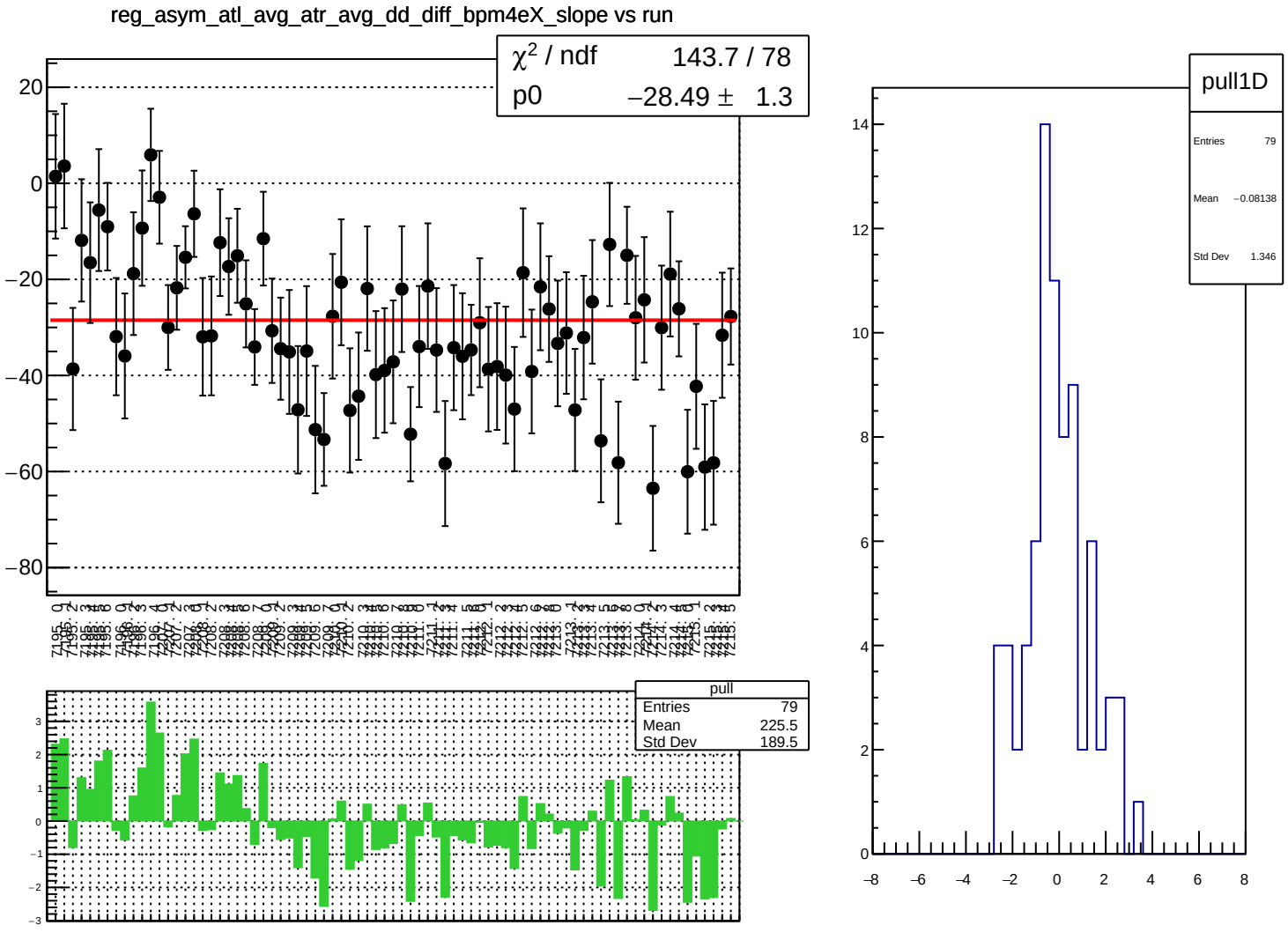

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 21.87 / 78
p0 58.73 ± 4.842
pull
Entries 79
Mean −1.197e+04
Std Dev 1.202e+04
pull1D
Entries 79
Mean 0.0002417
Std Dev 0.5262

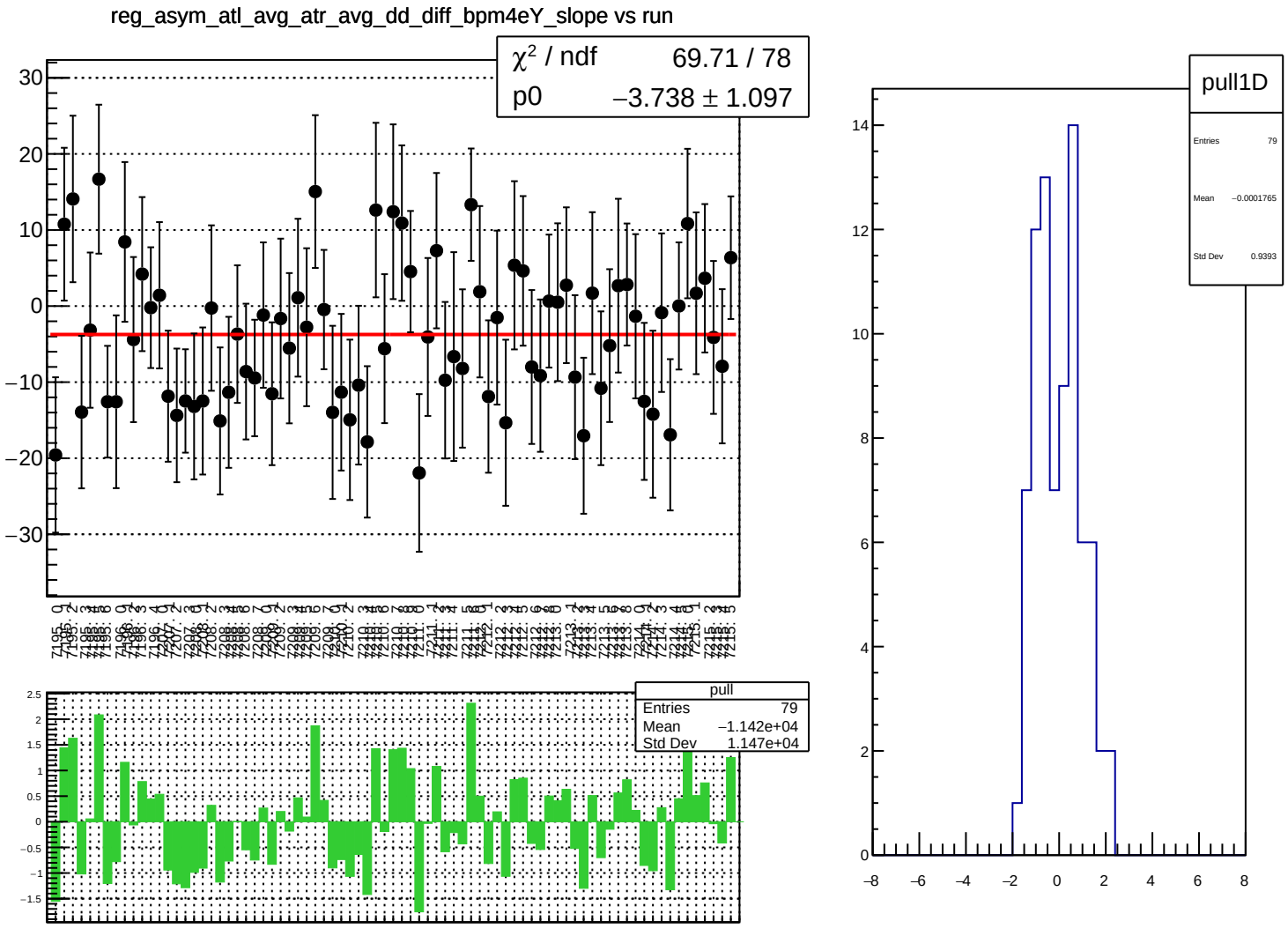

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 1584 / 78
p0 −130.2 ± 0.204
pull
Entries 79
Mean 239.1
Std Dev 206.7
pull1D
Entries 79
Mean 2.188
Std Dev 0.3787

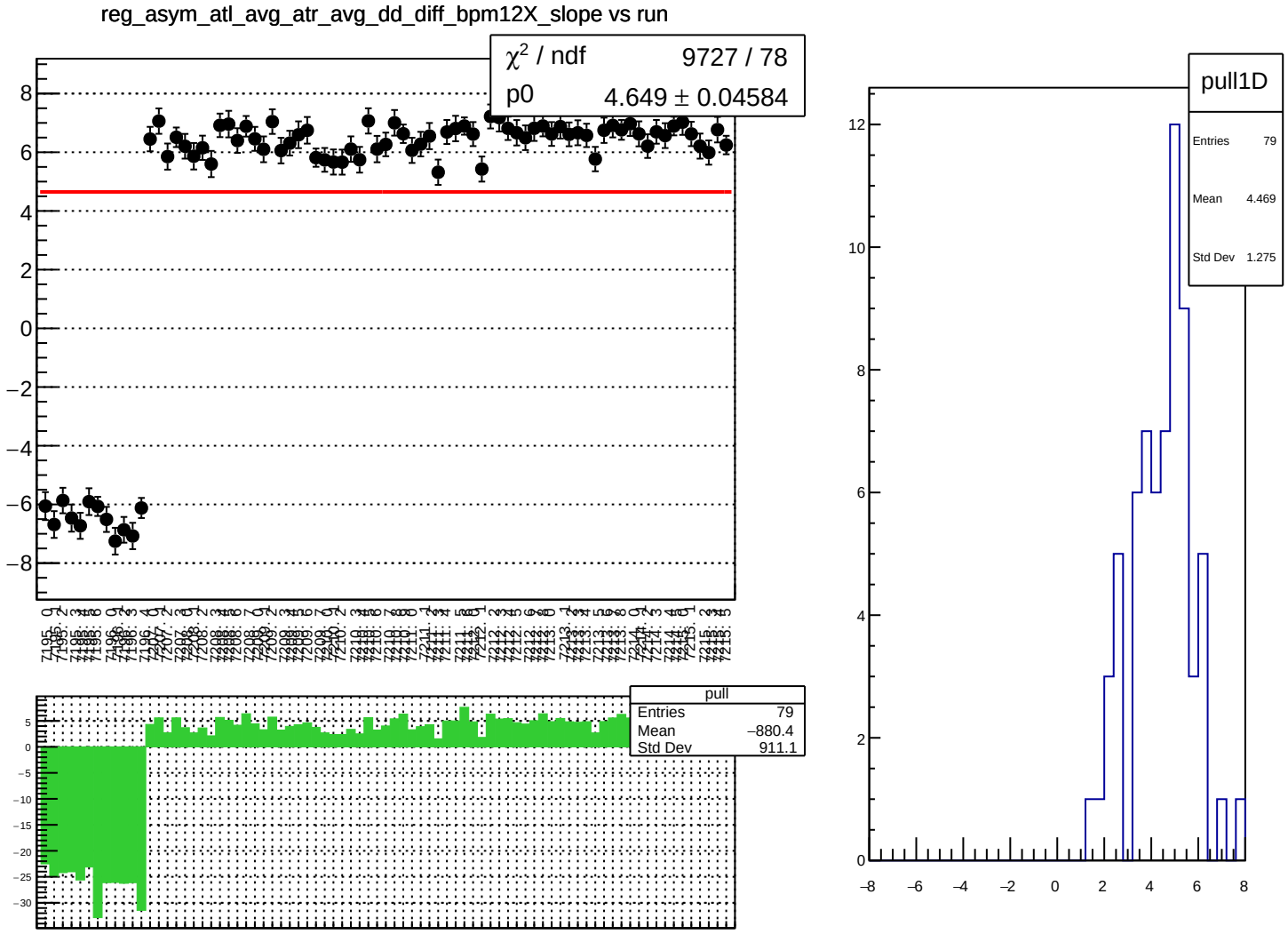

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 149.7 / 78
p0 12.89 ± 1.291
pull
Entries 79
Mean 257
Std Dev 221.4

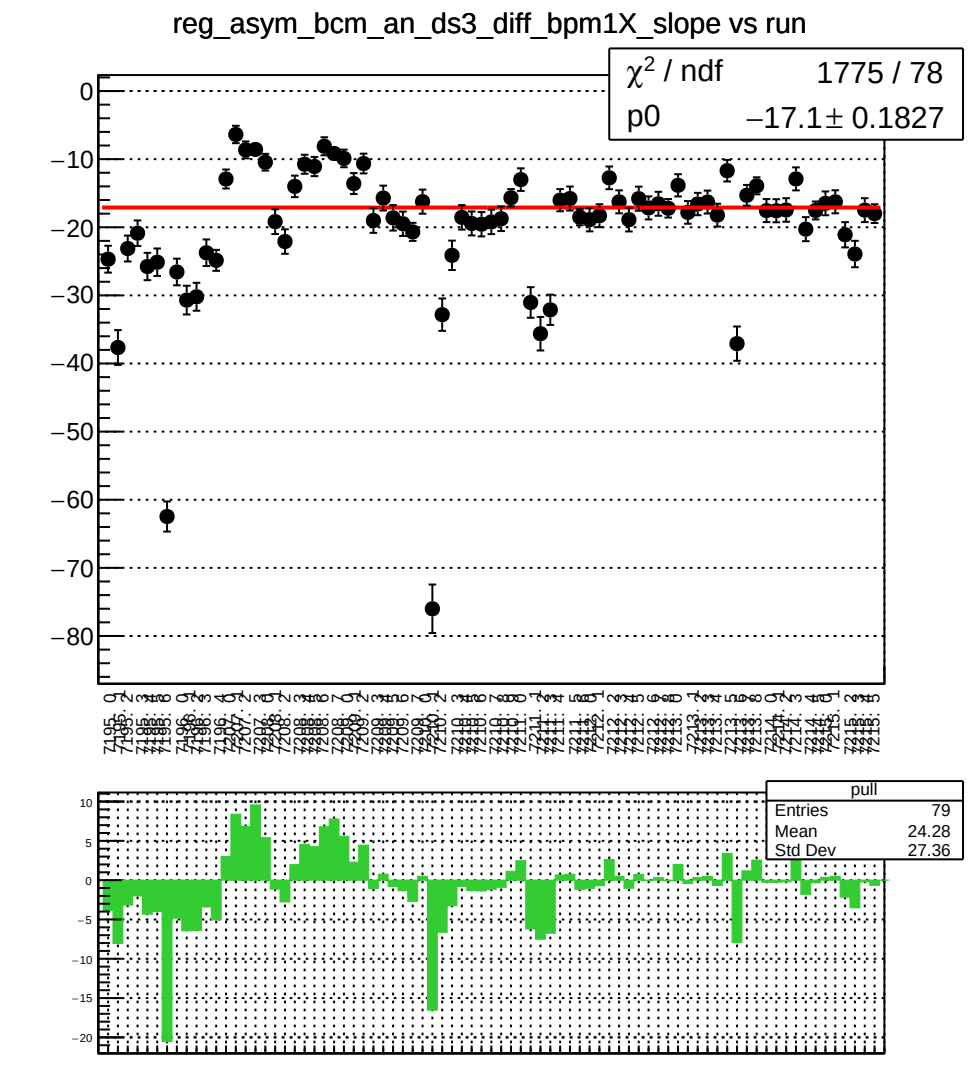

pull1D
Entries 79
Mean 0.07524
Std Dev 1.375

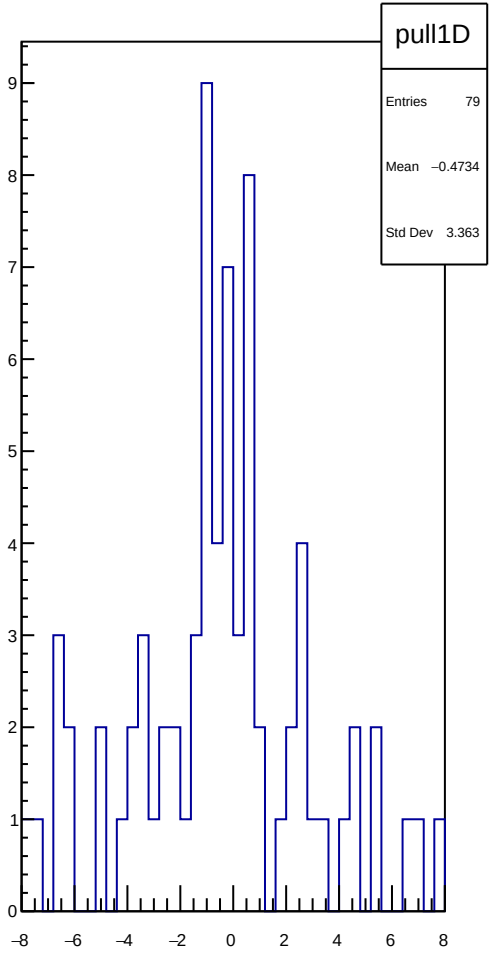

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 69.54 / 78
p0 1.612 ± 0.9885
pull
Entries 79
Mean 2058
Std Dev 2023
pull1D
Entries 79
Mean −0.002448
Std Dev 0.9382

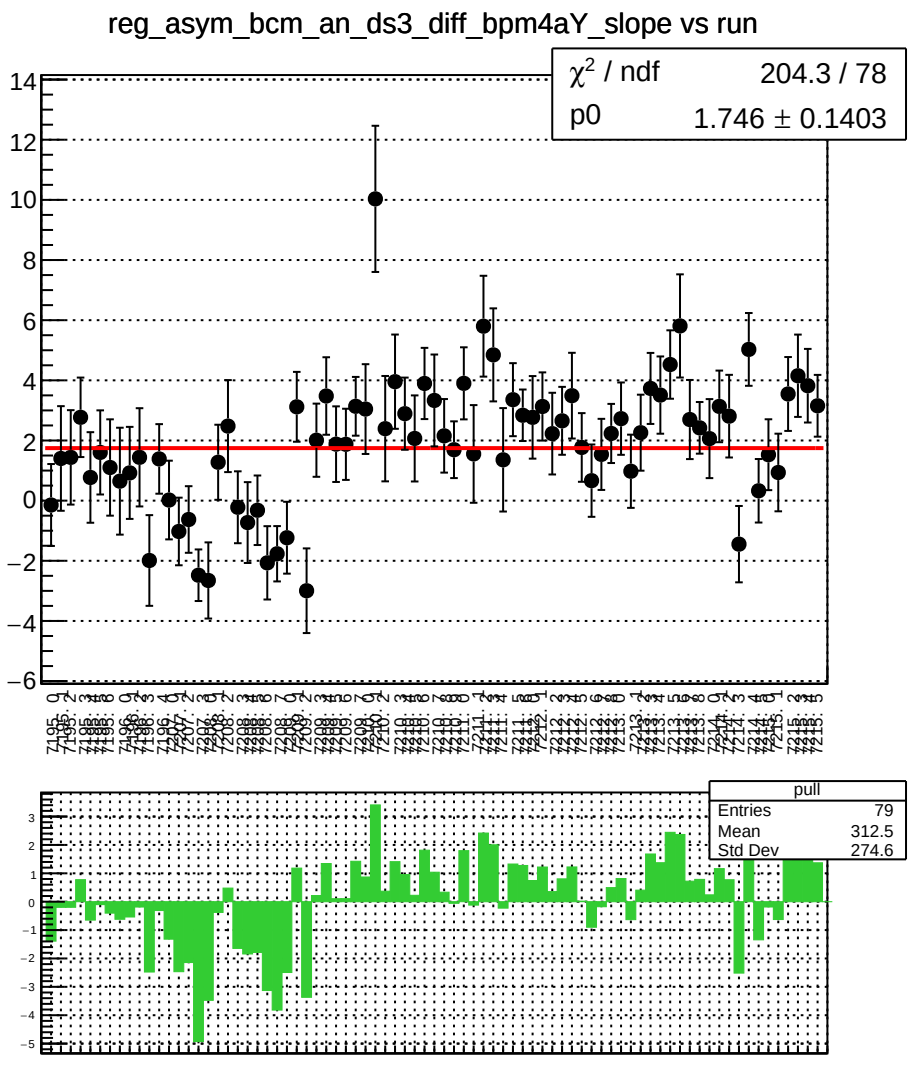

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 143.7 / 78
p0 −28.49 ± 1.3
pull
Entries 79
Mean 225.5
Std Dev 189.5
pull1D
Entries 79
Mean −0.08138
Std Dev 1.346

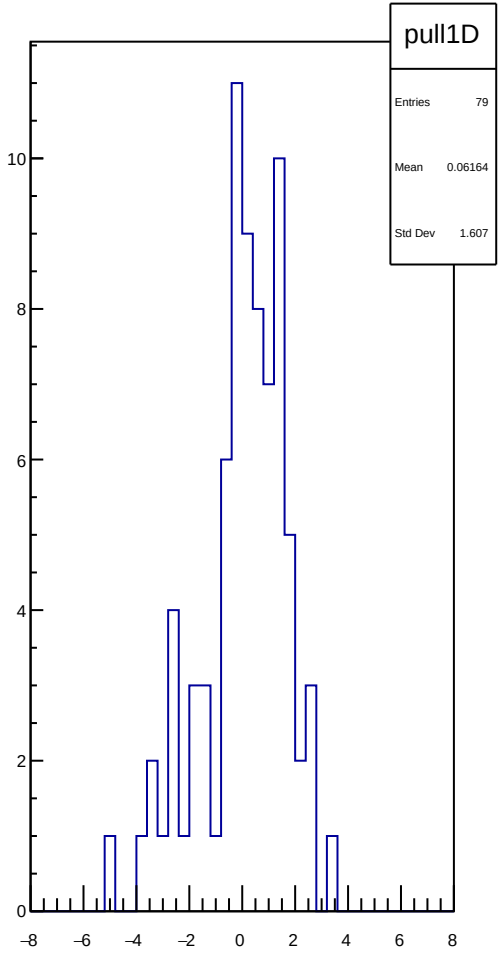

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 69.71 / 78
p0 −3.738 ± 1.097
pull
Entries 79
Mean −1.142e+04
Std Dev 1.147e+04
pull1D
Entries 79
Mean −0.0001765
Std Dev 0.9393

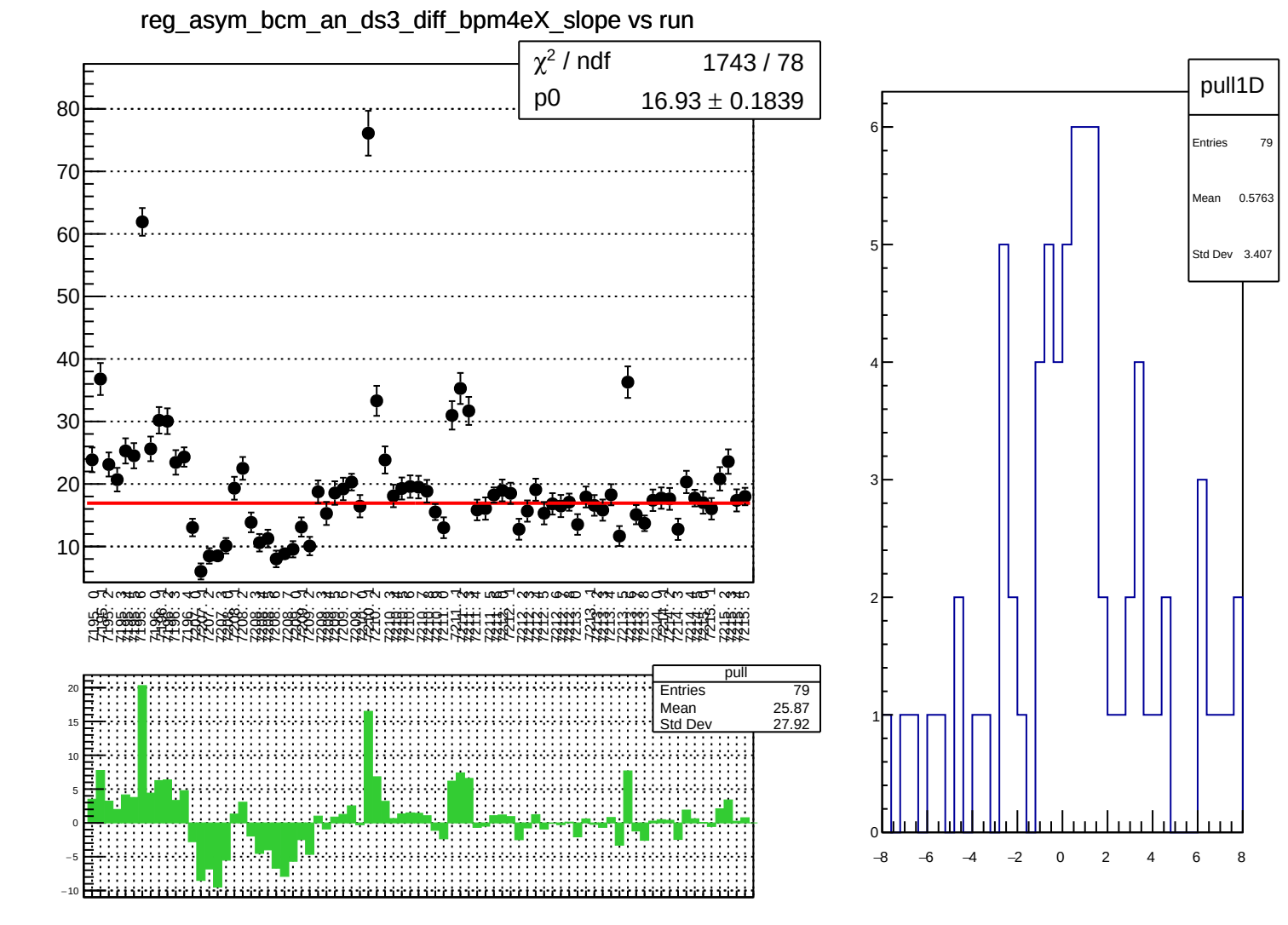

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 9727 / 78
p0 4.649 ± 0.04584
pull
Entries 79
Mean −880.4
Std Dev 911.1
pull1D
Entries 79
Mean 4.469
Std Dev 1.275

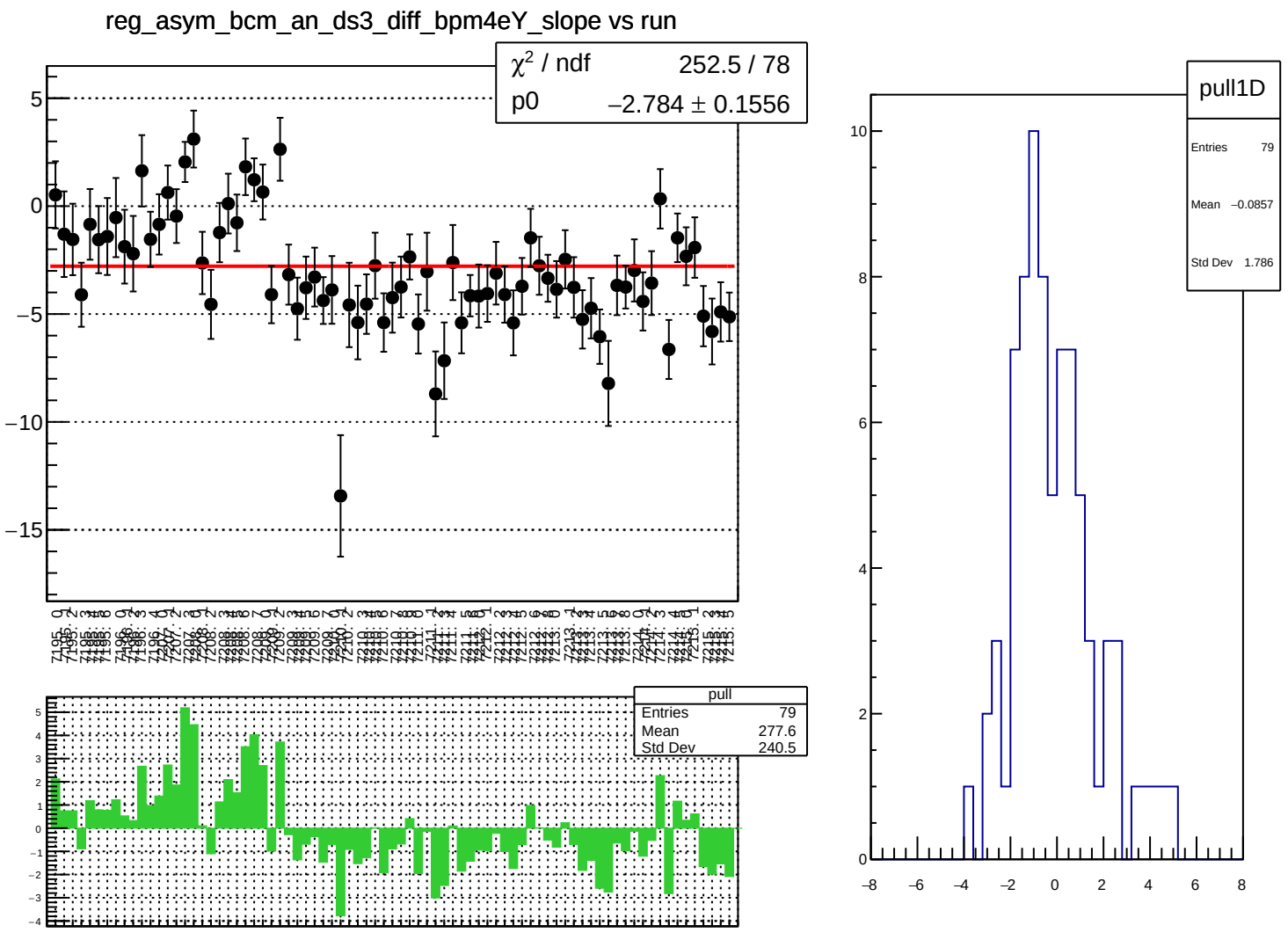

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 1775 / 78
p0 −17.1 ± 0.1827
pull
Entries 79
Mean 24.28
Std Dev 27.36

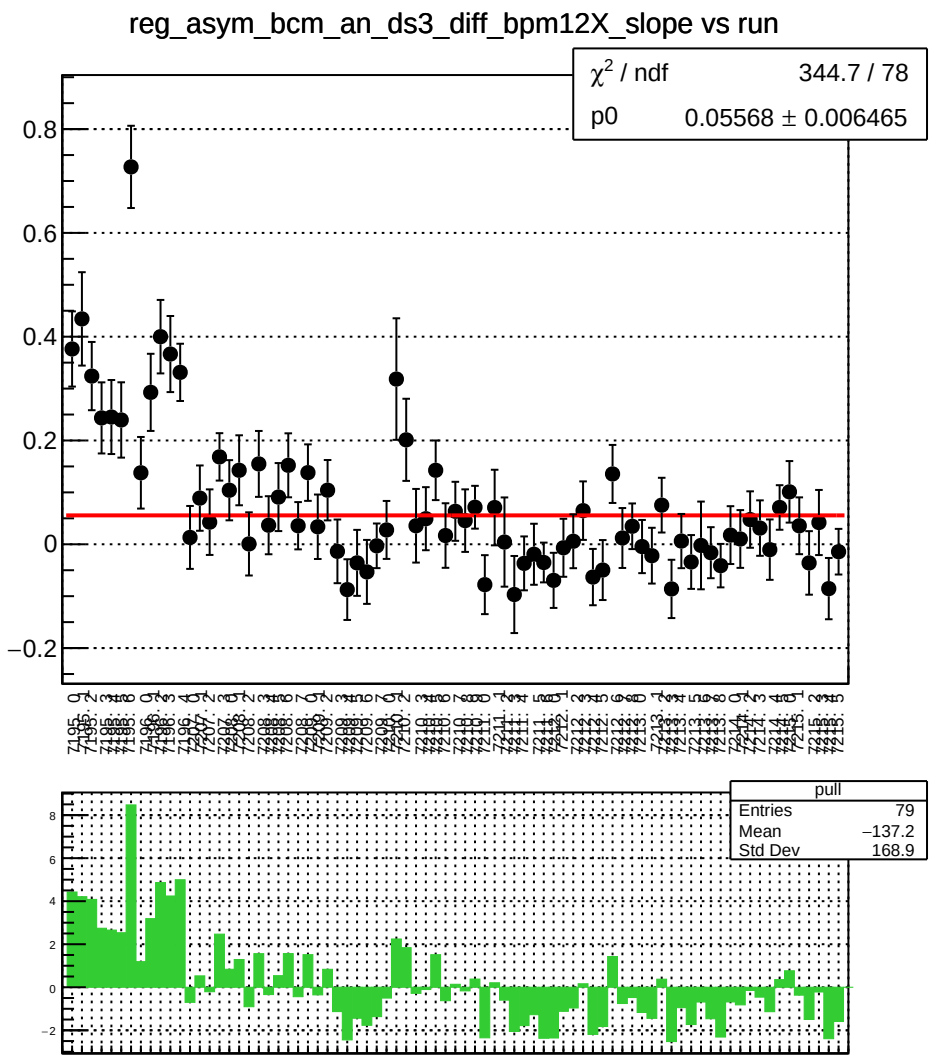

pull1D
Entries 79
Mean −0.4734
Std Dev 3.363

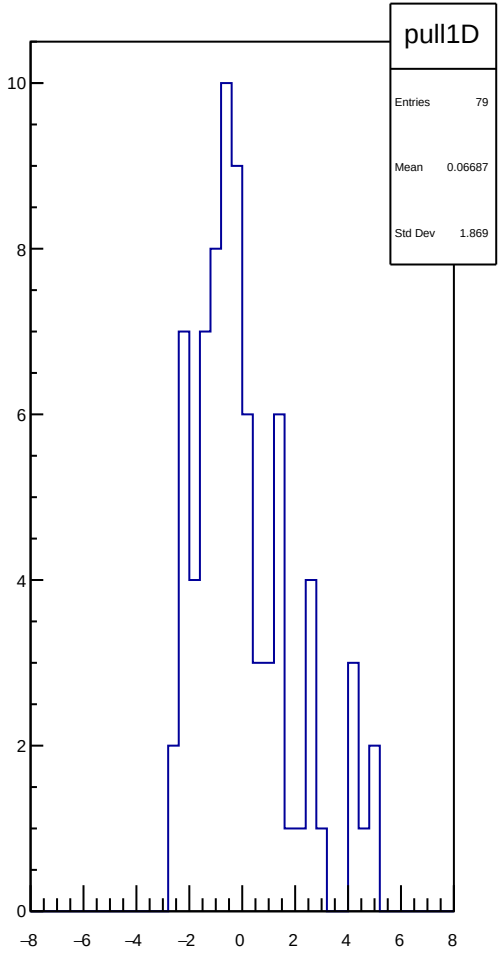

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 204.3 / 78
p0 1.746 ± 0.1403
pull
Entries 79
Mean 312.5
Std Dev 274.6

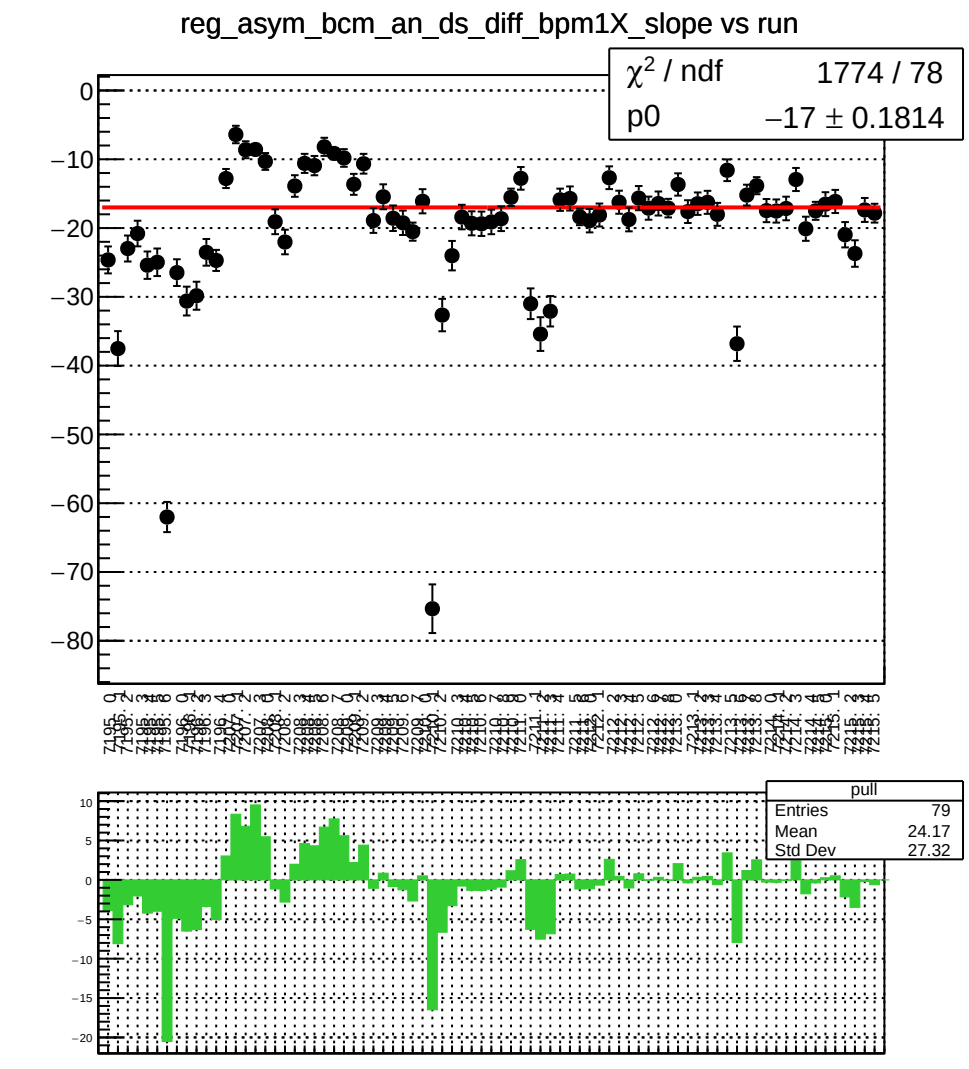

pull1D
Entries 79
Mean 0.06164
Std Dev 1.607

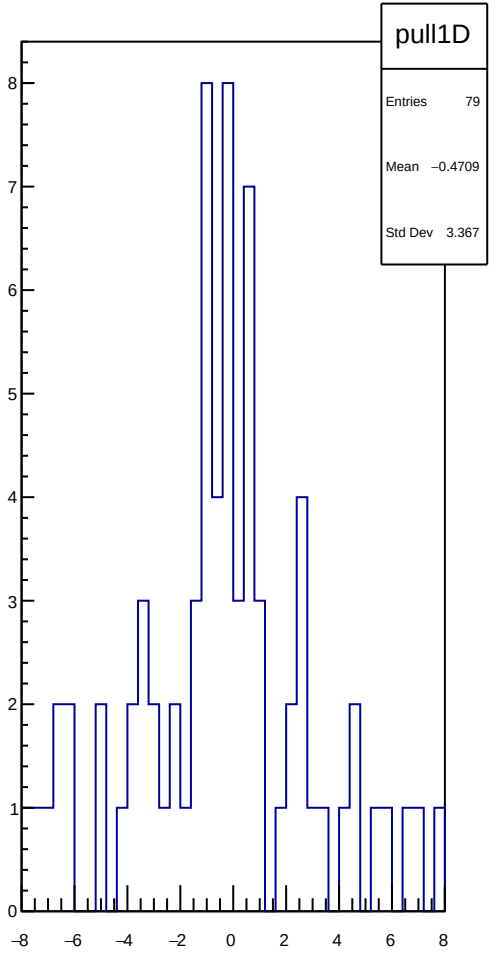

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 1743 / 78
p0 16.93 ± 0.1839
pull
Entries 79
Mean 25.87
Std Dev 27.92
pull1D
Entries 79
Mean 0.5763
Std Dev 3.407

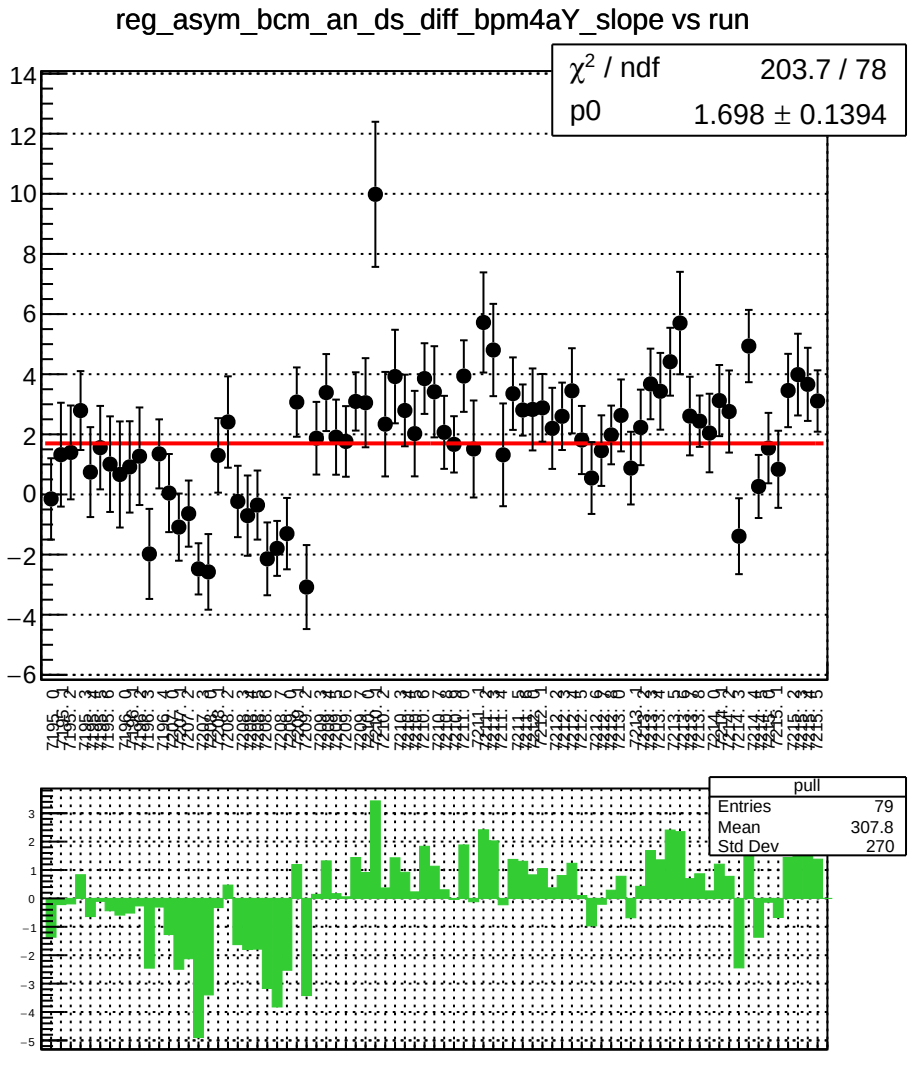

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 252.5 / 78
p0 −2.784 ± 0.1556
pull
Entries 79
Mean 277.6
Std Dev 240.5
pull1D
Entries 79
Mean −0.0857
Std Dev 1.786

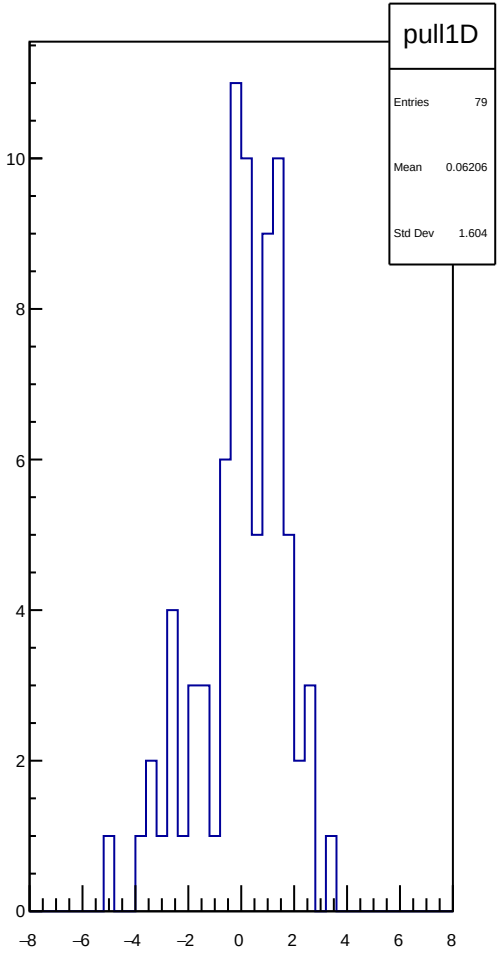

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 344.7 / 78
p0 0.05568 ± 0.006465
pull
Entries 79
Mean −137.2
Std Dev 168.9

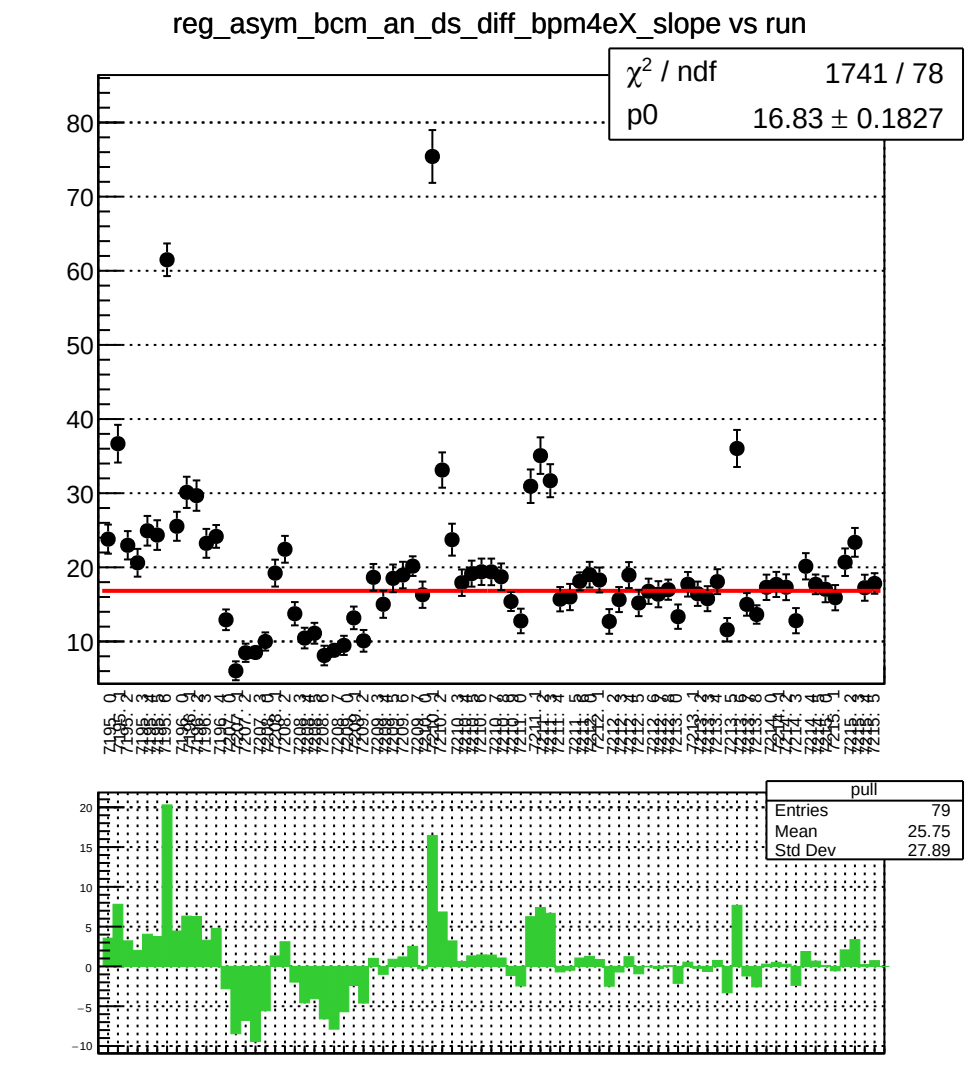

pull1D
Entries 79
Mean 0.06687
Std Dev 1.869

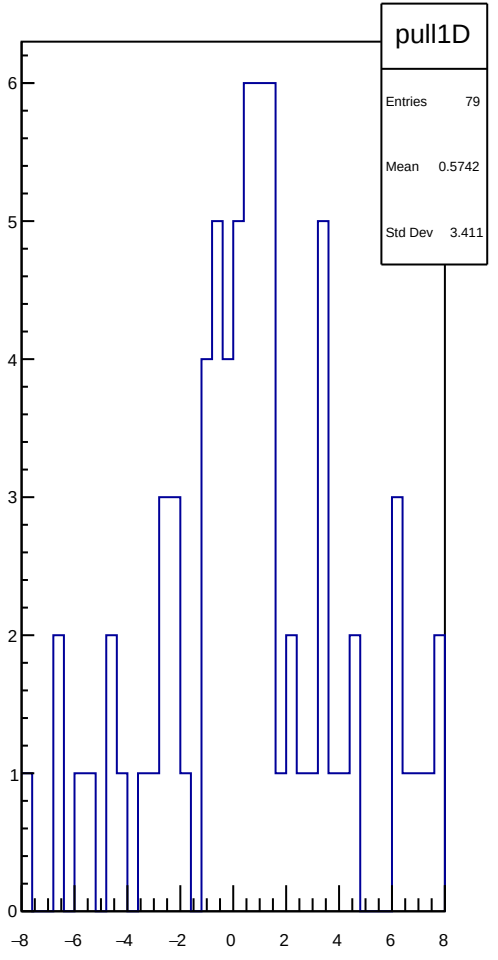

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 1774 / 78
p0 −17 ± 0.1814
pull
Entries 79
Mean 24.17
Std Dev 27.32

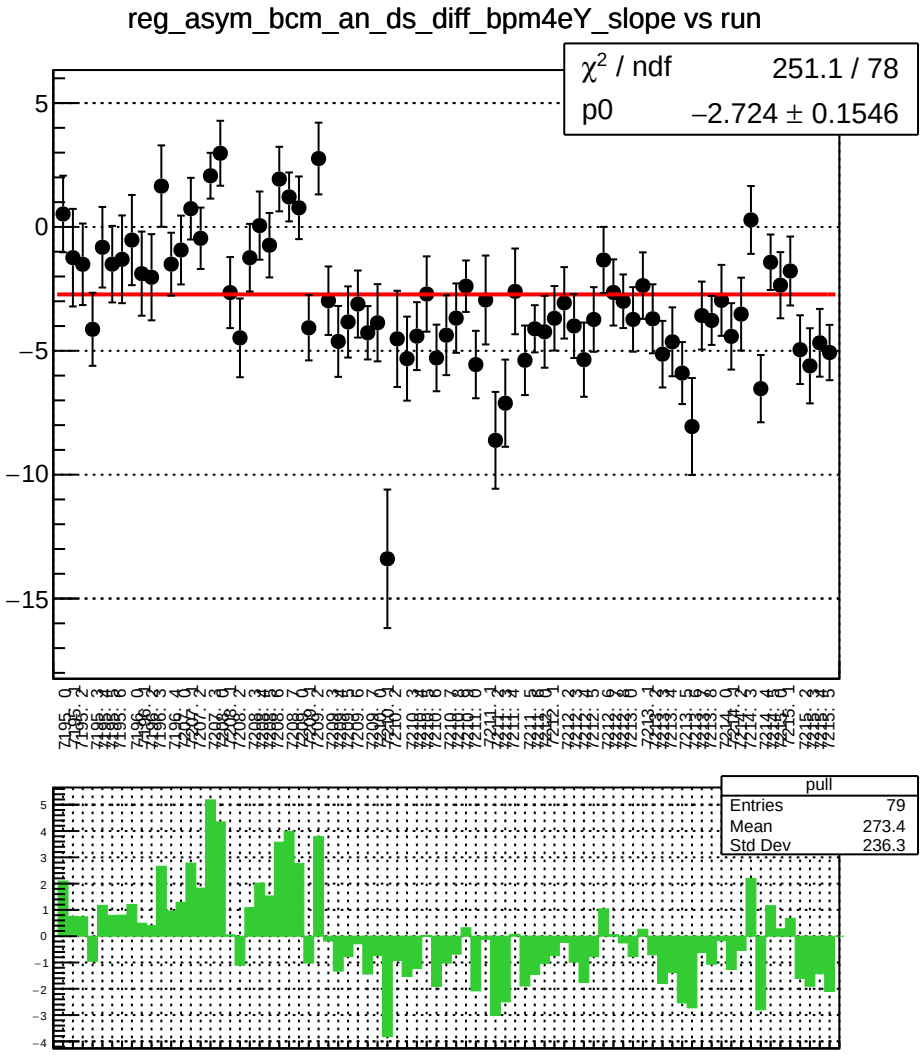

pull1D
Entries 79
Mean −0.4709
Std Dev 3.367

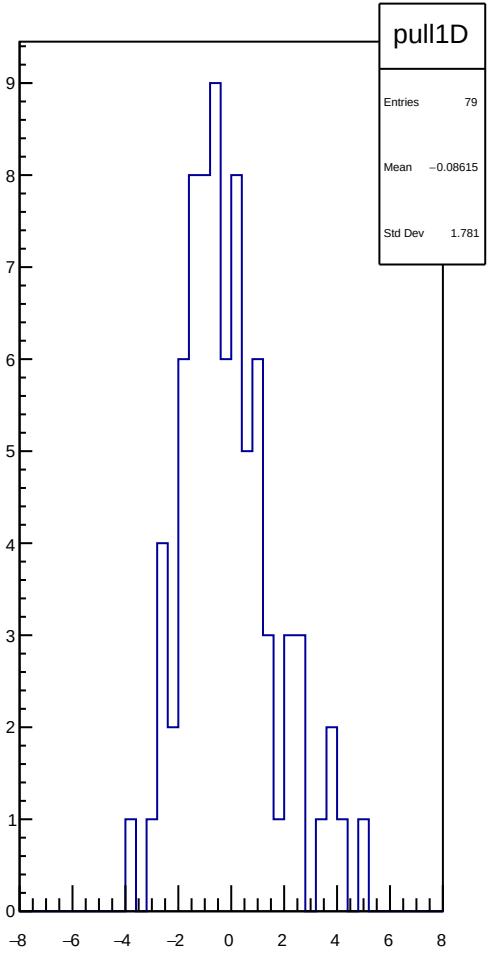

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 203.7 / 78
p0 1.698 ± 0.1394
pull
Entries 79
Mean 307.8
Std Dev 270

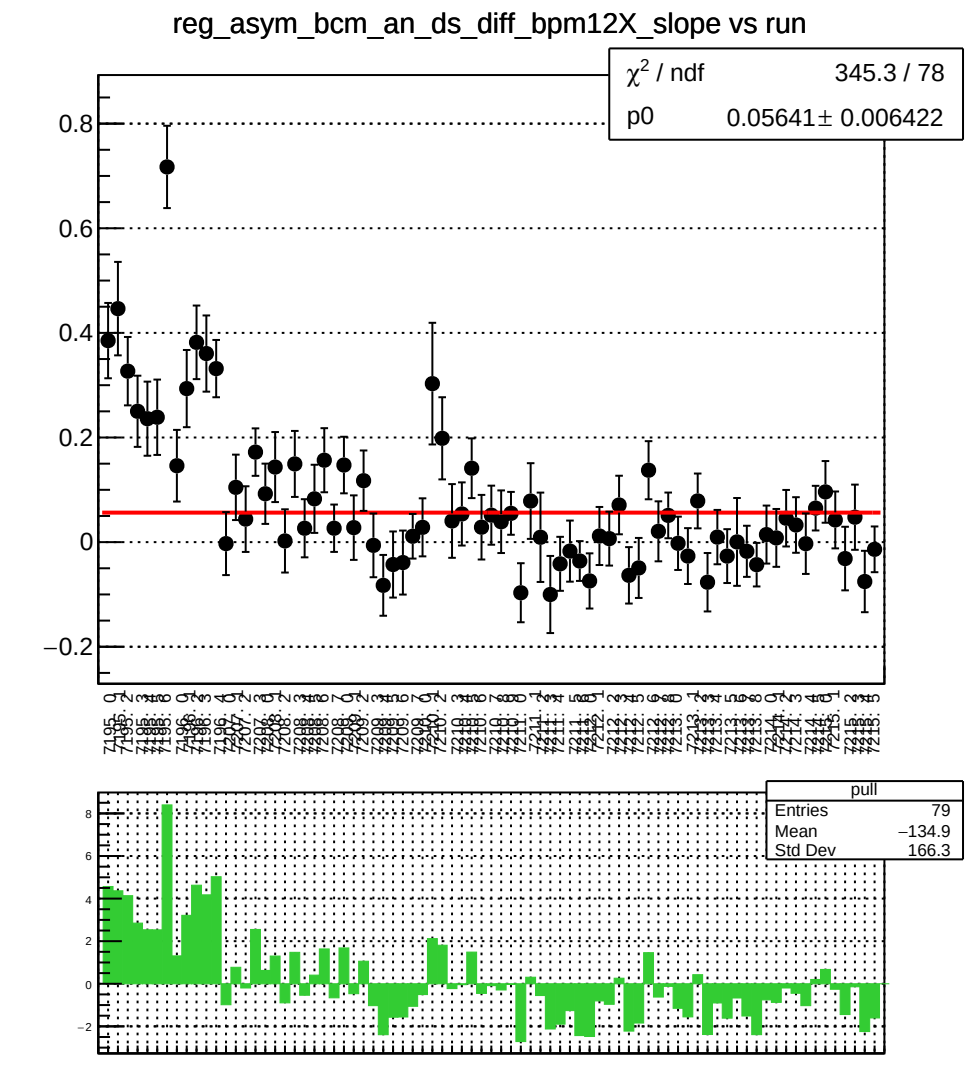

pull1D
Entries 79
Mean 0.06206
Std Dev 1.604

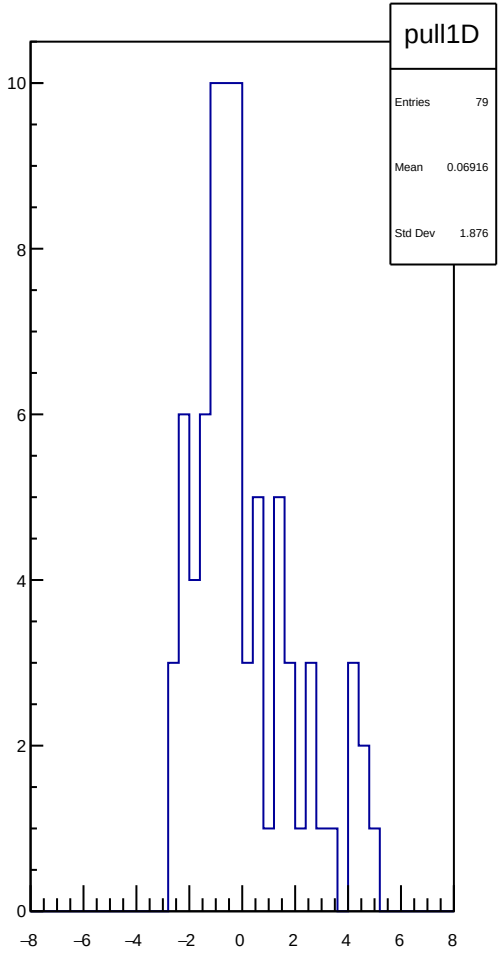

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 1741 / 78
p0 16.83 ± 0.1827
pull
Entries 79
Mean 25.75
Std Dev 27.89

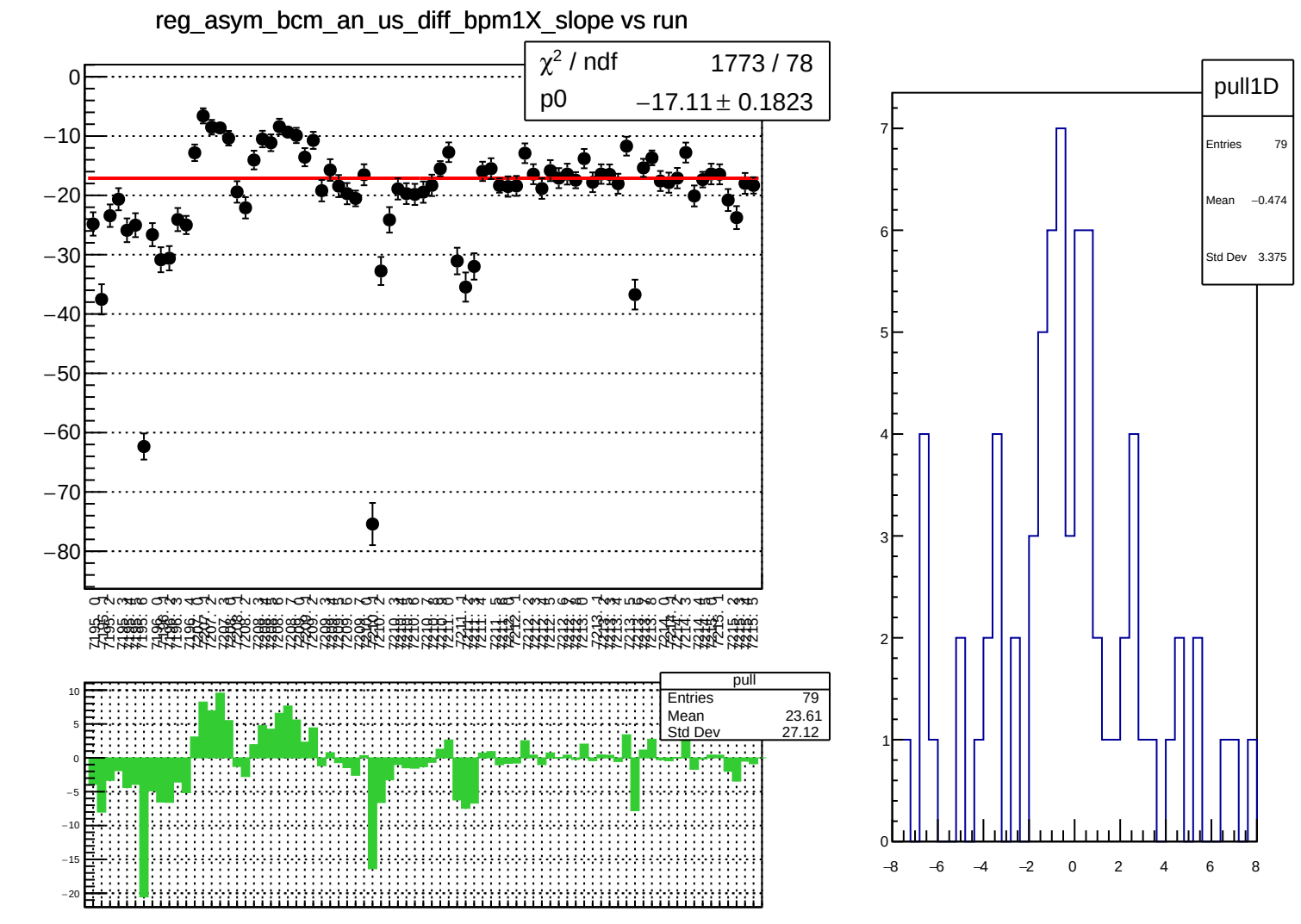

pull1D
Entries 79
Mean 0.5742
Std Dev 3.411

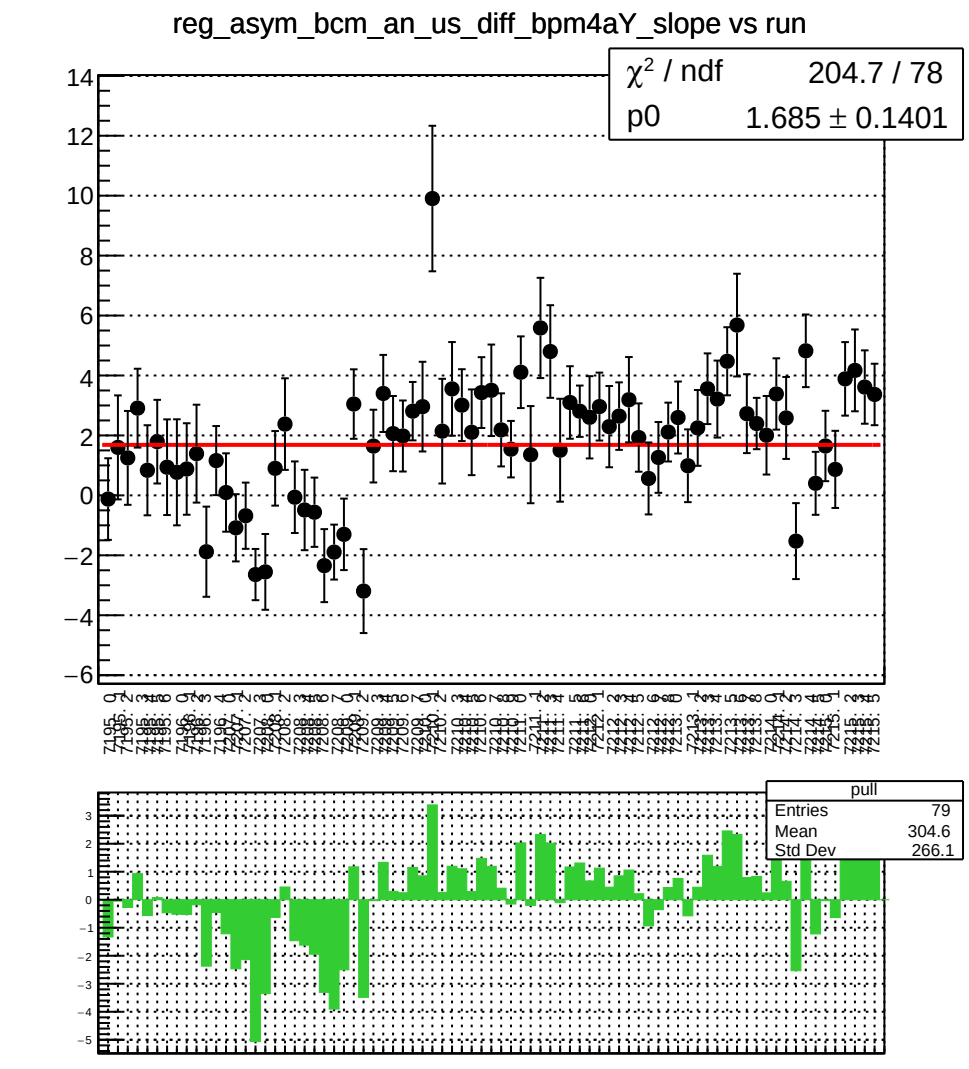

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 251.1 / 78
p0 −2.724 ± 0.1546
pull
Entries 79
Mean 273.4
Std Dev 236.3

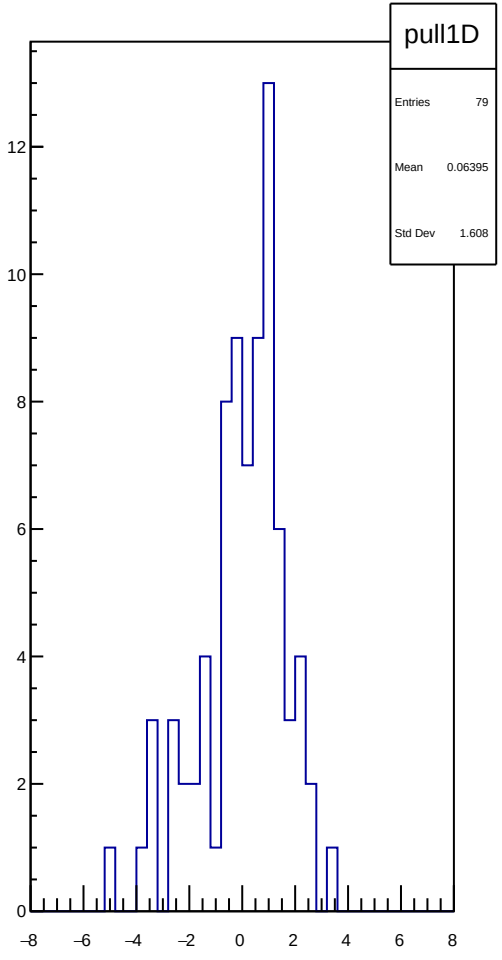

pull1D
Entries 79
Mean −0.08615
Std Dev 1.781

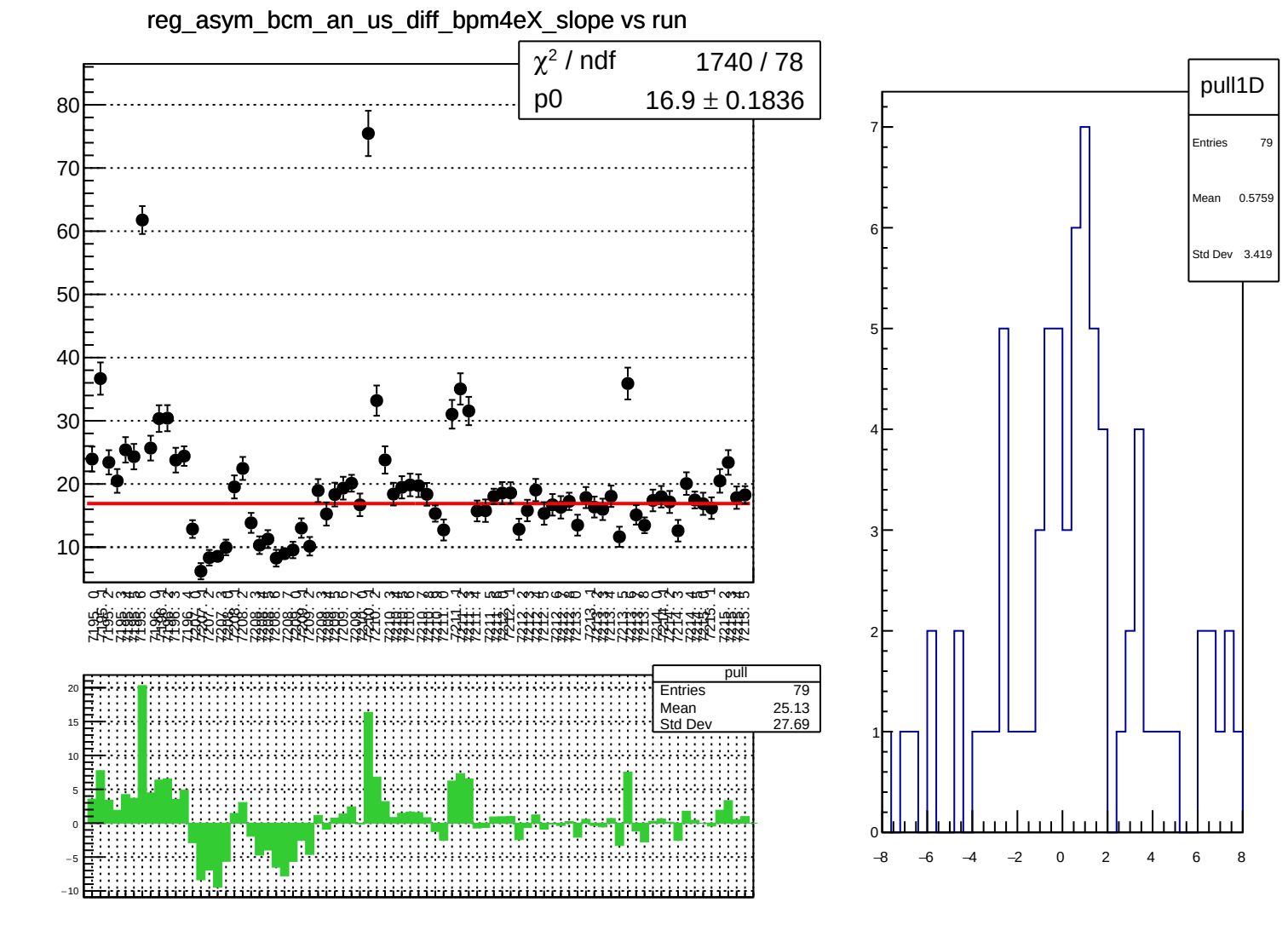

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 345.3 / 78
p0 0.05641 ± 0.006422
pull
Entries 79
Mean −134.9
Std Dev 166.3

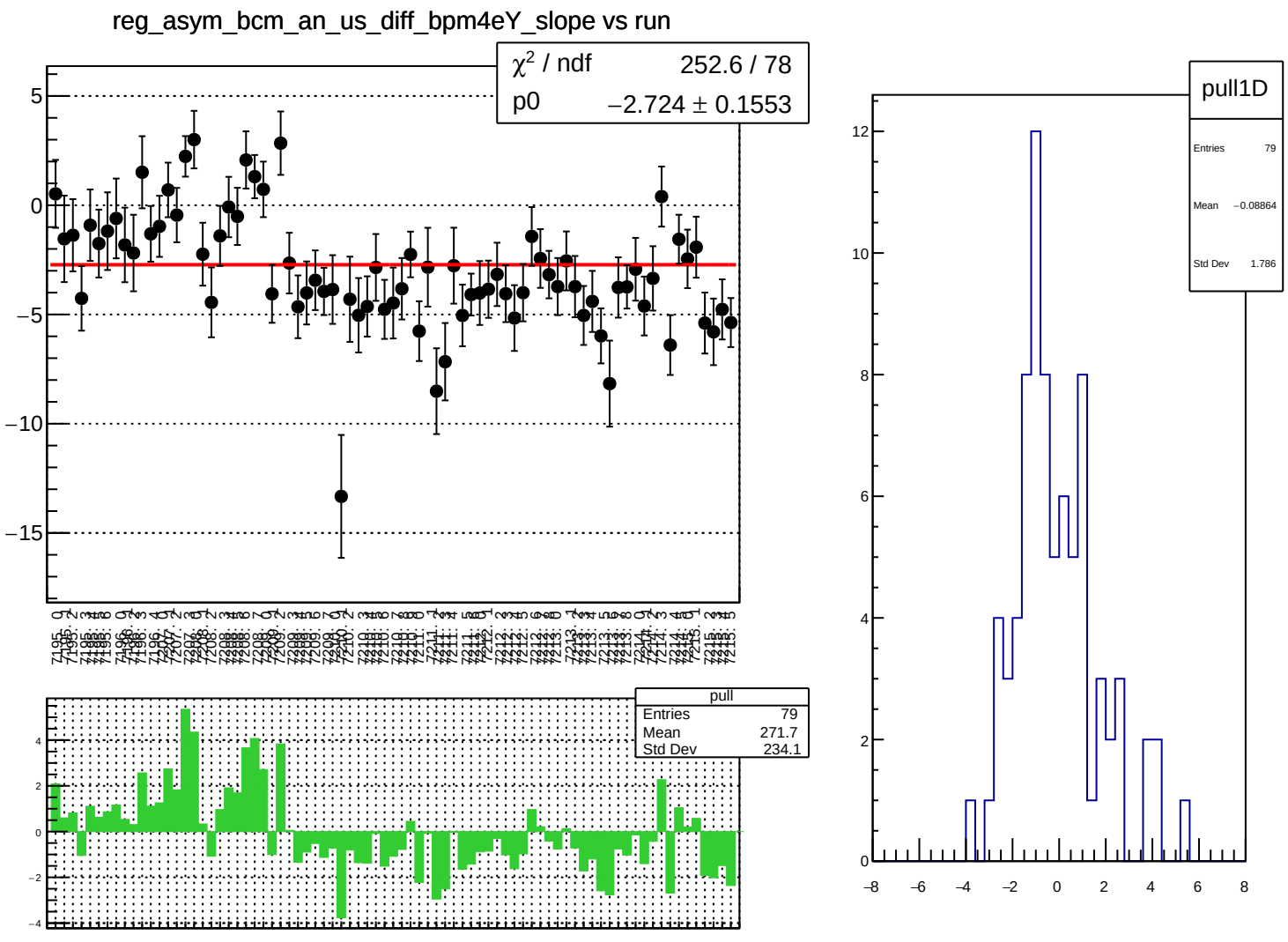

pull1D
Entries 79
Mean 0.06916
Std Dev 1.876

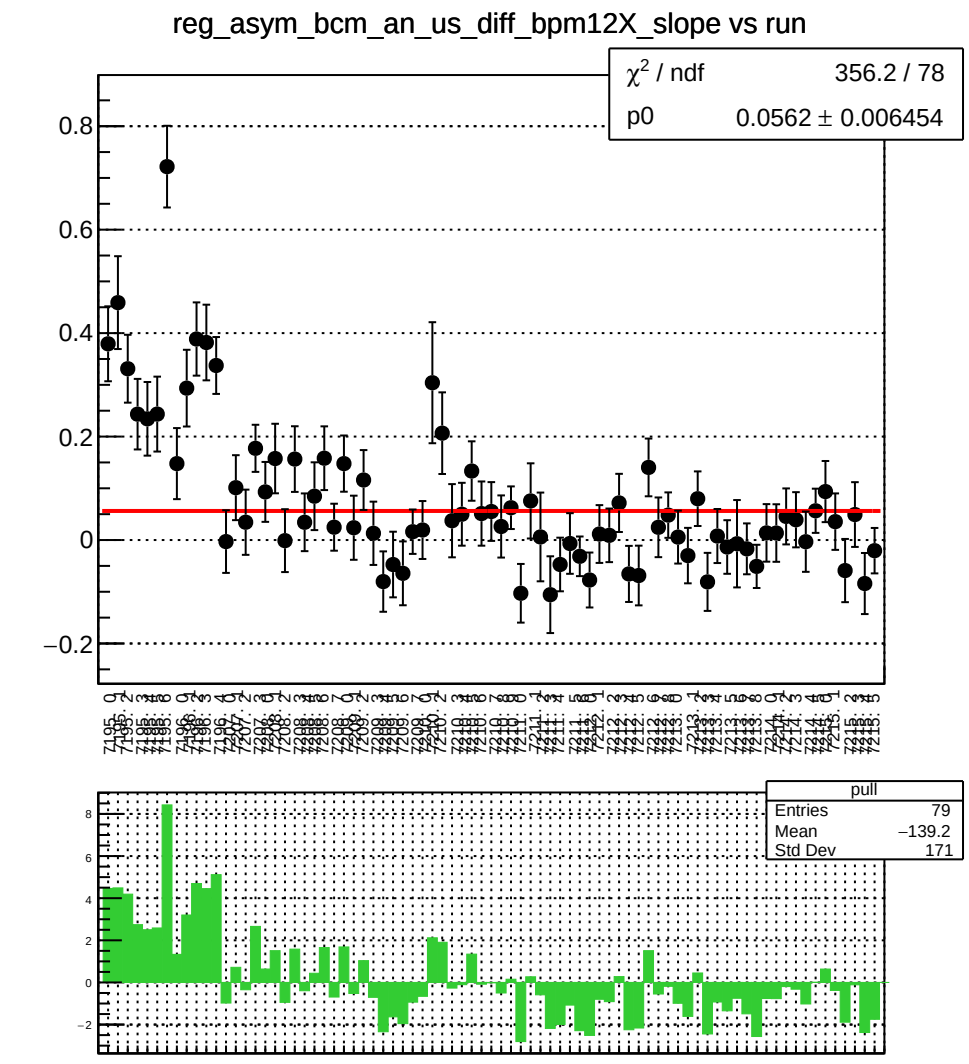

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 1773 / 78
p0 −17.11 ± 0.1823
pull
Entries 79
Mean 23.61
Std Dev 27.12
pull1D
Entries 79
Mean −0.474
Std Dev 3.375

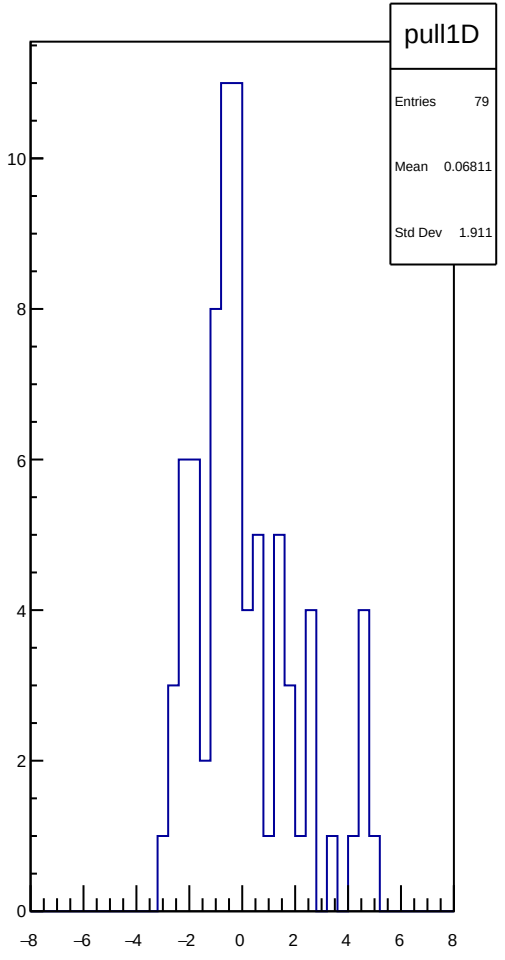

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 204.7 / 78
p0 1.685 ± 0.1401
pull
Entries 79
Mean 304.6
Std Dev 266.1

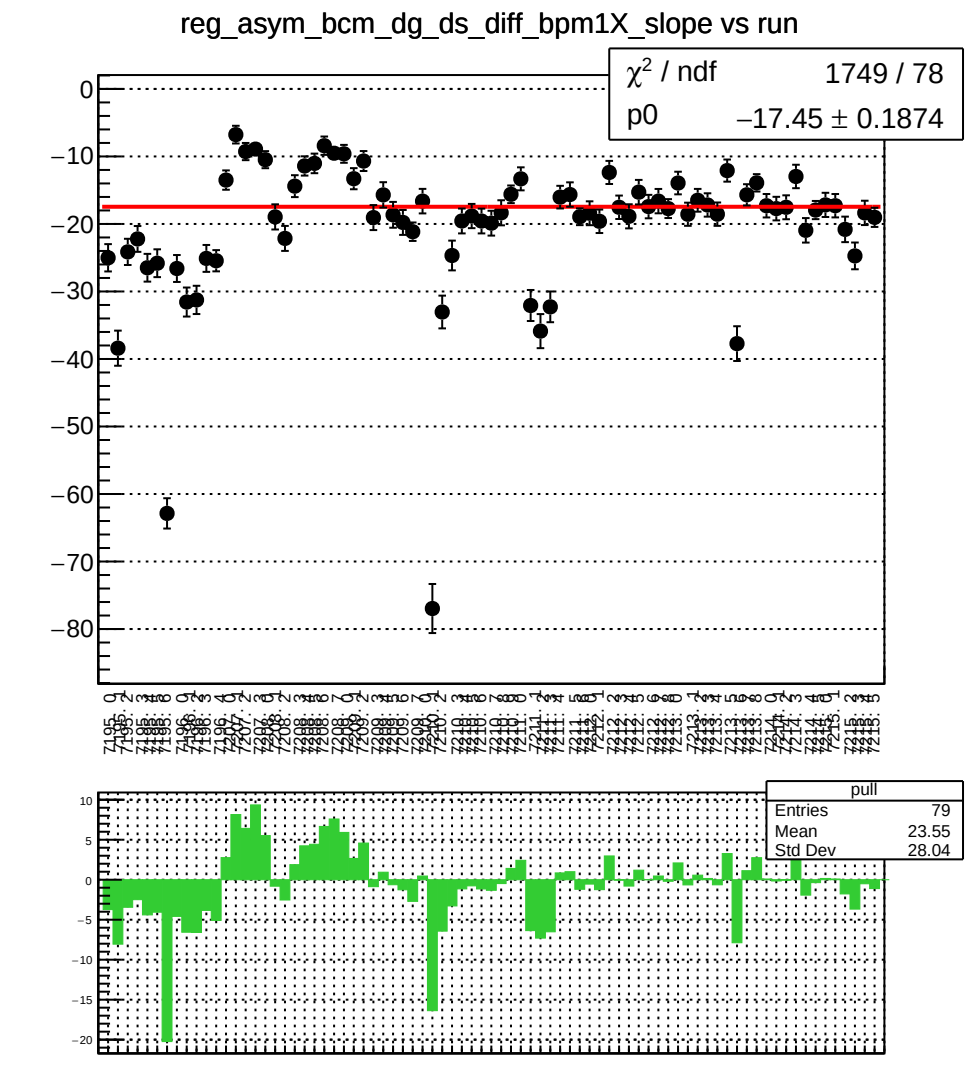

pull1D
Entries 79
Mean 0.06395
Std Dev 1.608

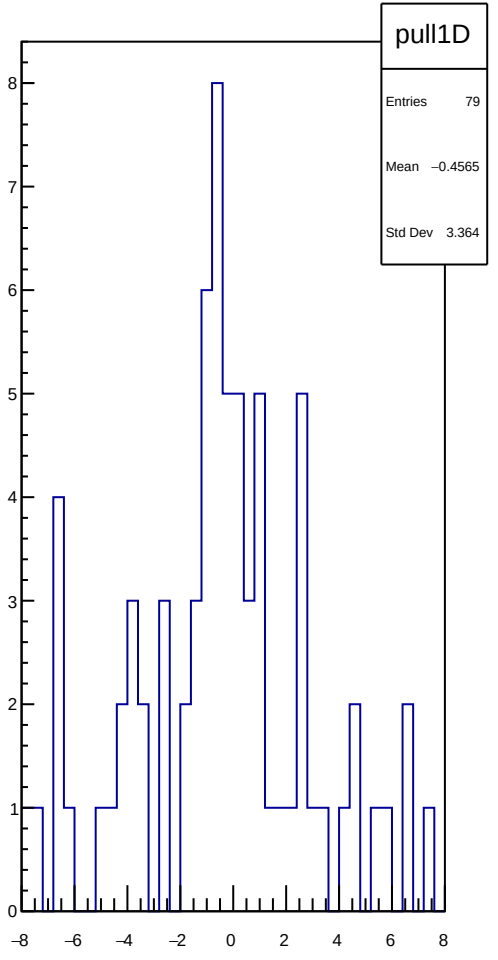

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 1740 / 78
p0 16.9 ± 0.1836
pull
Entries 79
Mean 25.13
Std Dev 27.69
pull1D
Entries 79
Mean 0.5759
Std Dev 3.419

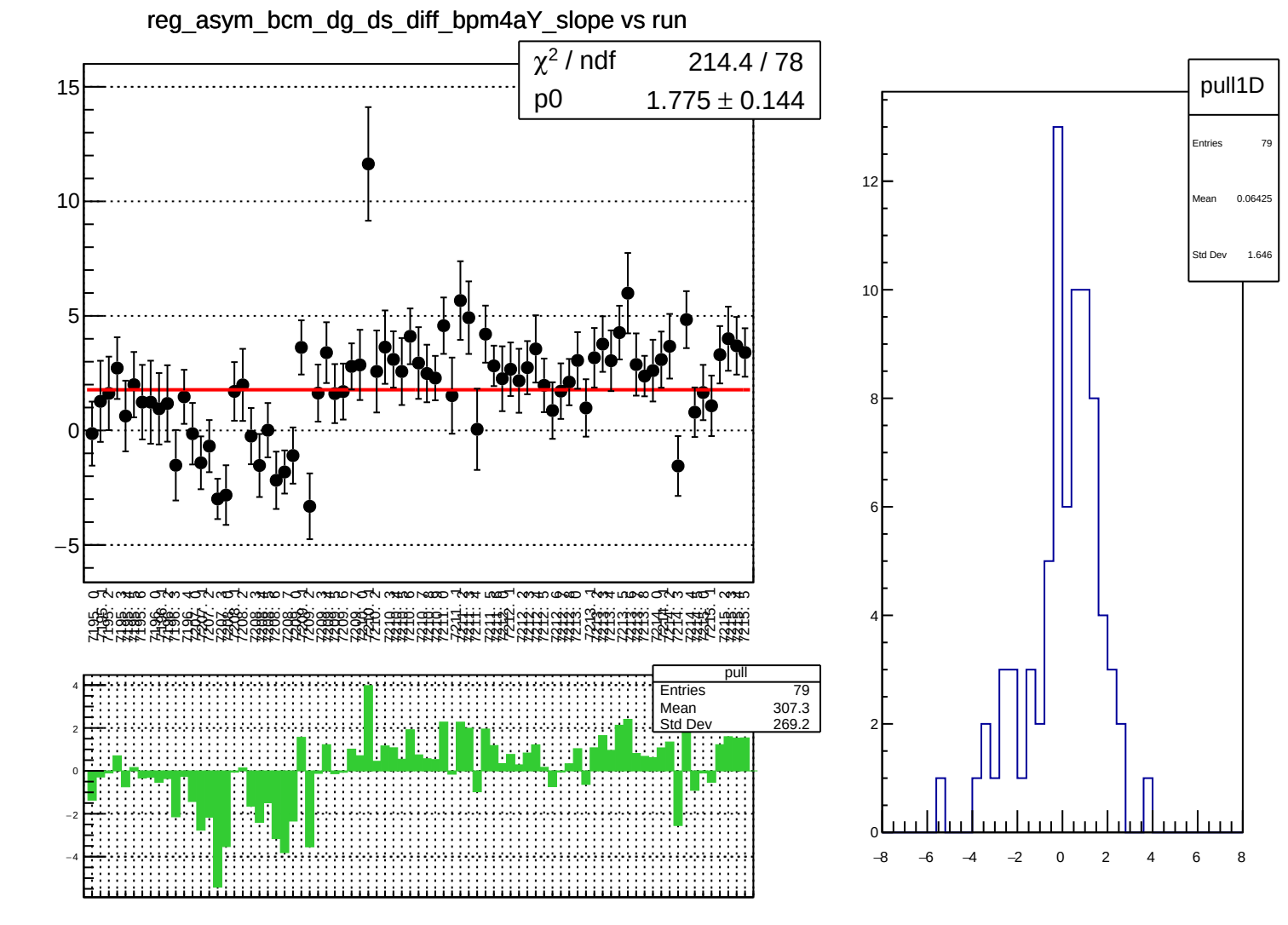

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 252.6 / 78
p0 −2.724 ± 0.1553
pull
Entries 79
Mean 271.7
Std Dev 234.1
pull1D
Entries 79
Mean −0.08864
Std Dev 1.786

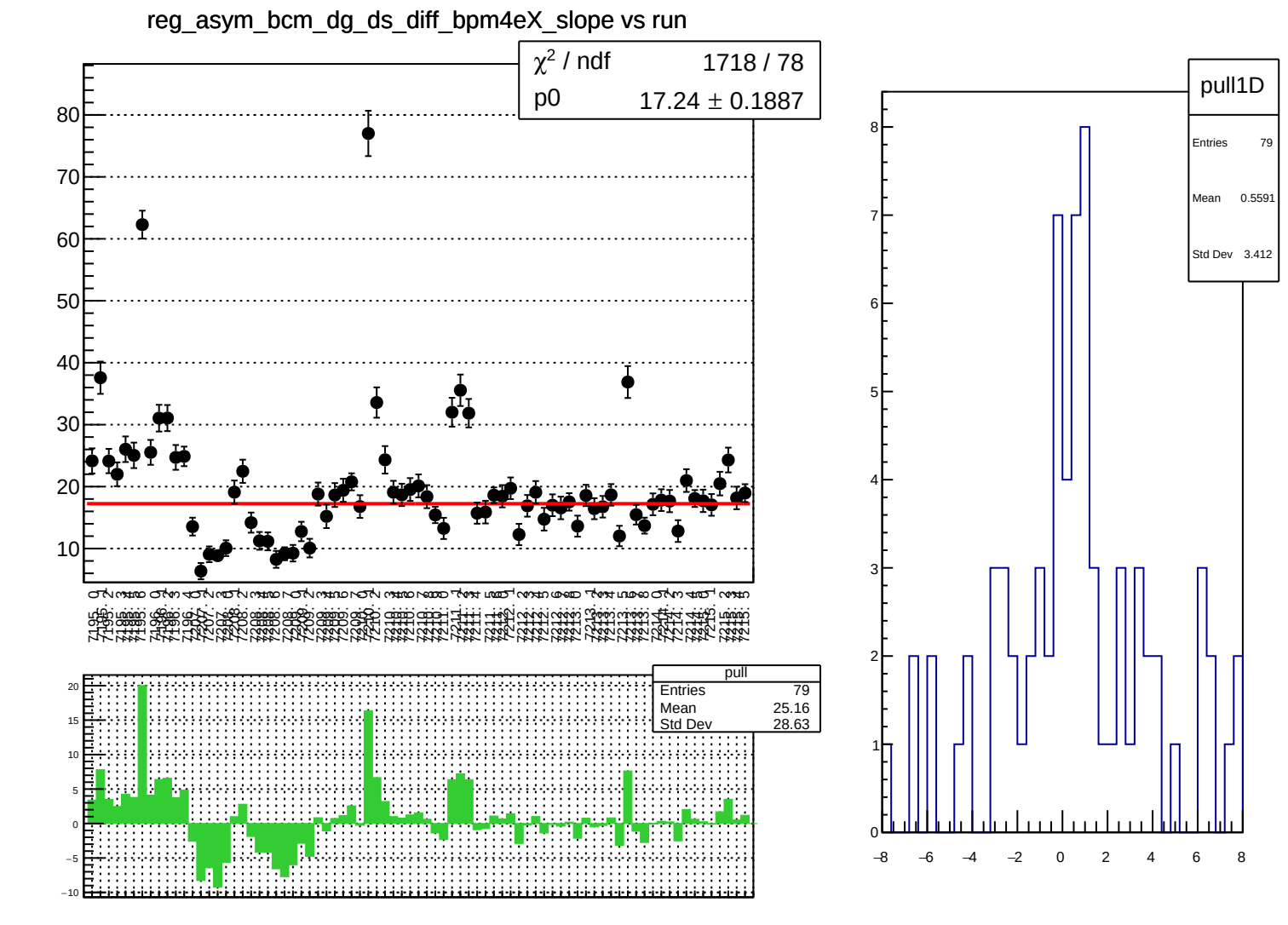

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 356.2 / 78
p0 0.0562 ± 0.006454
pull
Entries 79
Mean −139.2
Std Dev 171

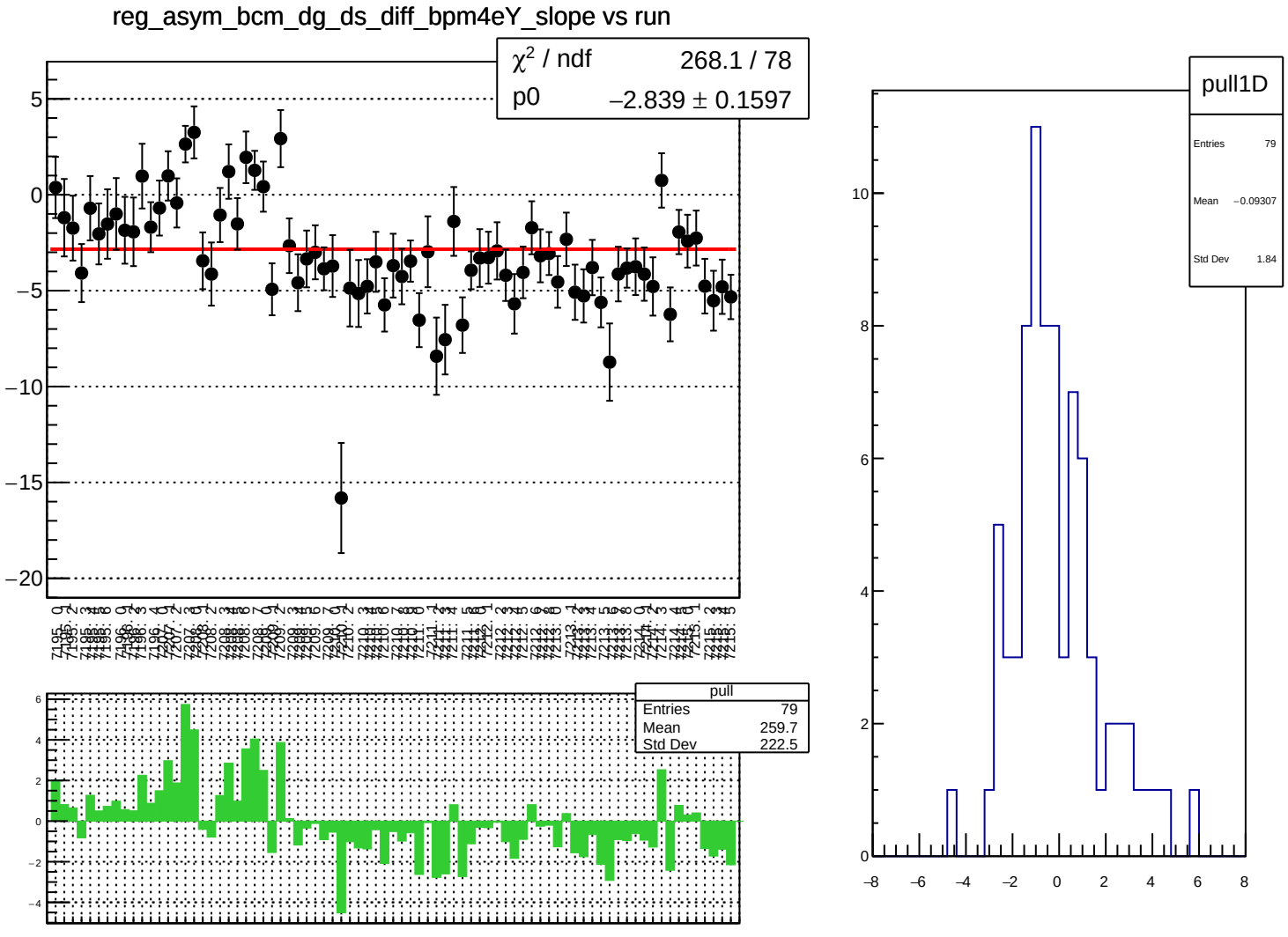

pull1D
Entries 79
Mean 0.06811
Std Dev 1.911

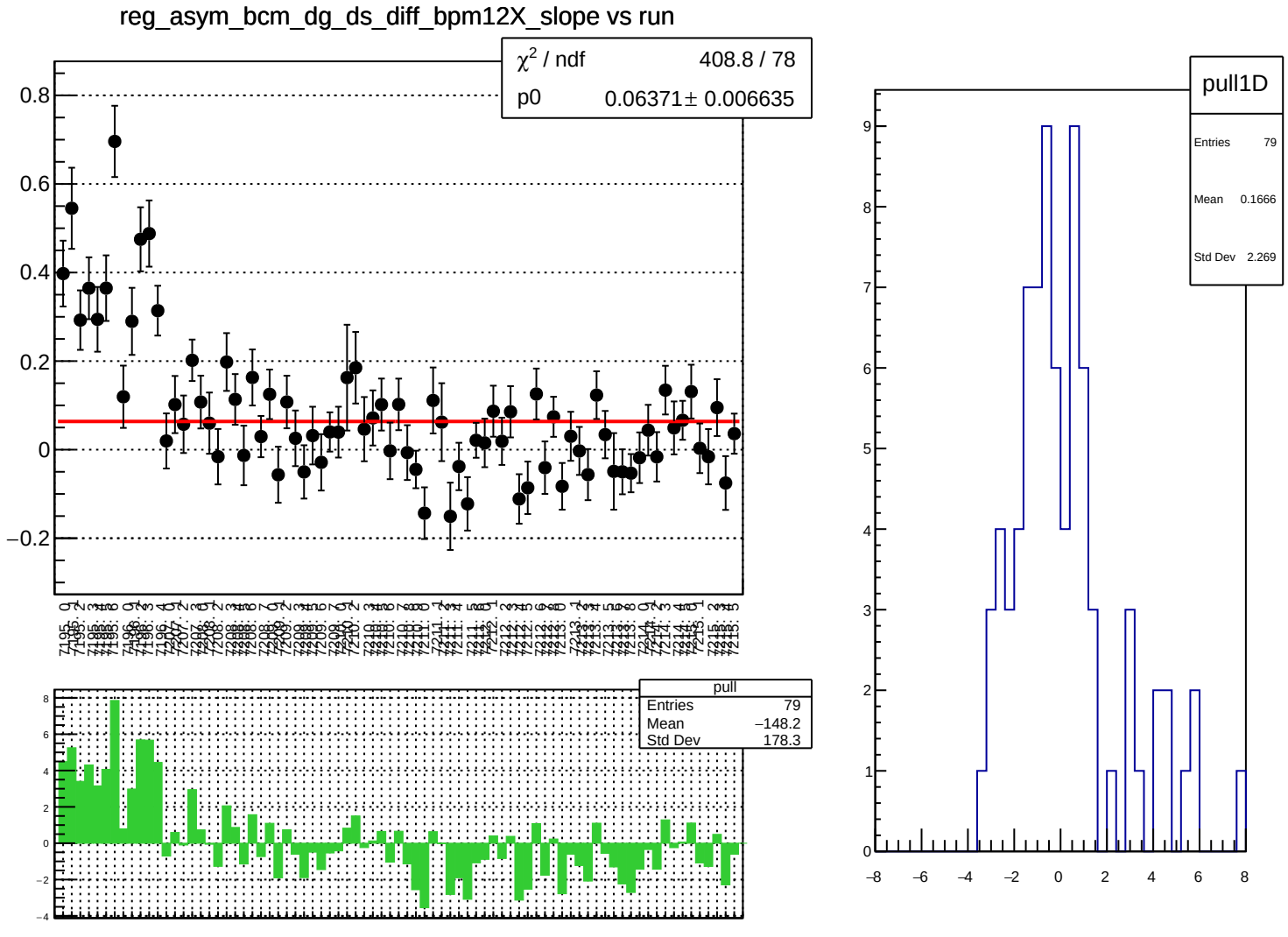

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 1749 / 78
p0 −17.45 ± 0.1874
pull
Entries 79
Mean 23.55
Std Dev 28.04

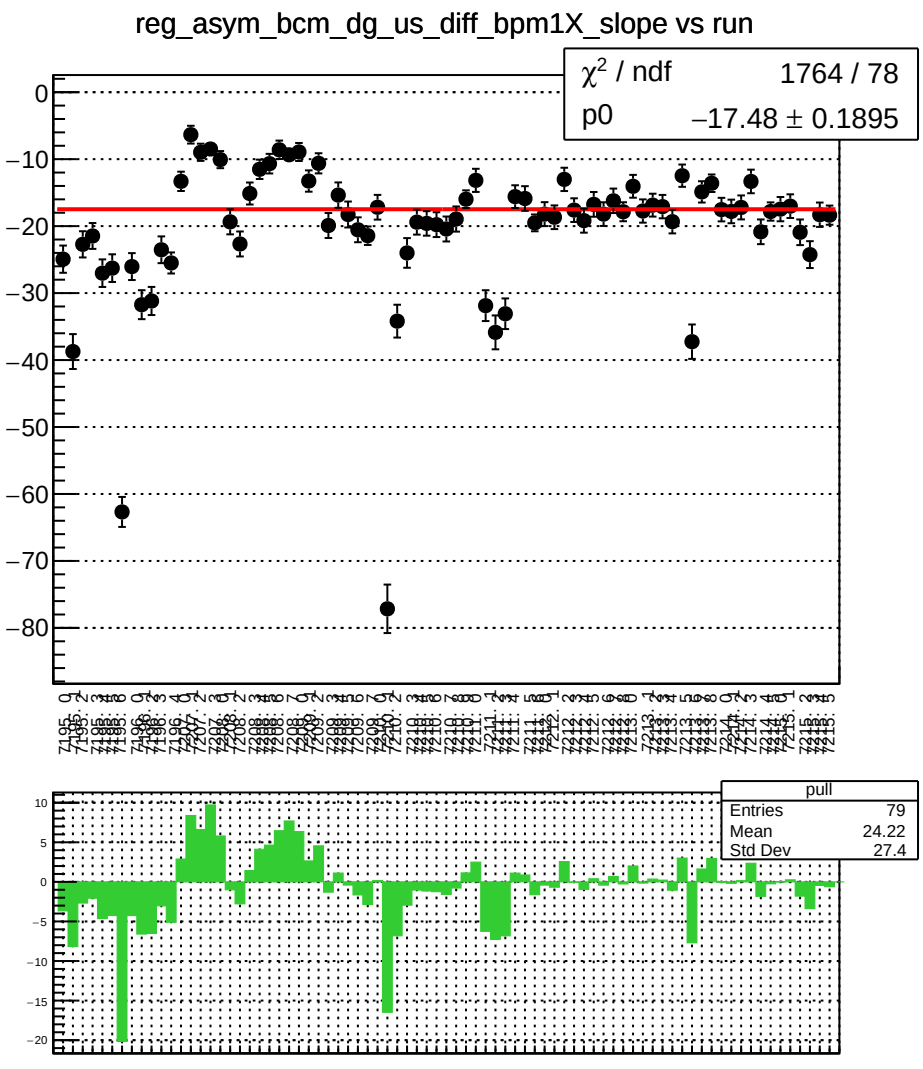

pull1D
Entries 79
Mean −0.4565
Std Dev 3.364

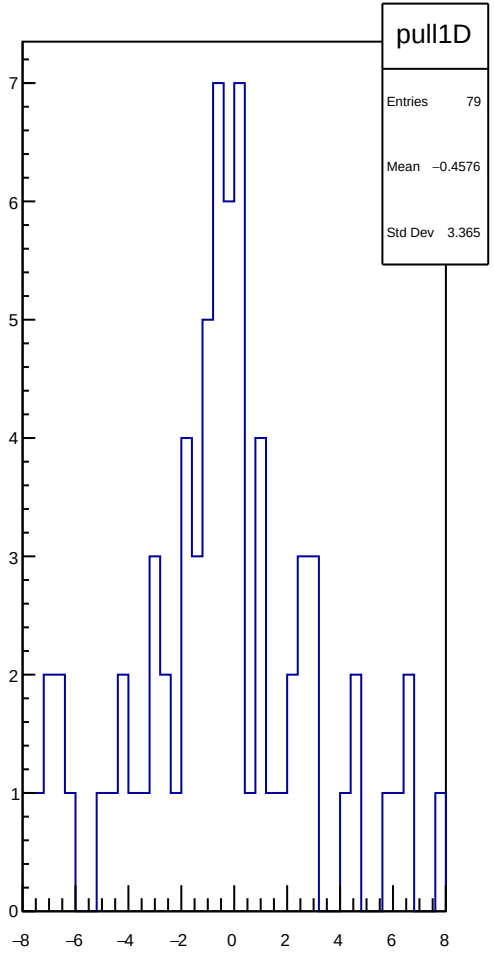

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 214.4 / 78
p0 1.775 ± 0.144
pull
Entries 79
Mean 307.3
Std Dev 269.2
pull1D
Entries 79
Mean 0.06425
Std Dev 1.646

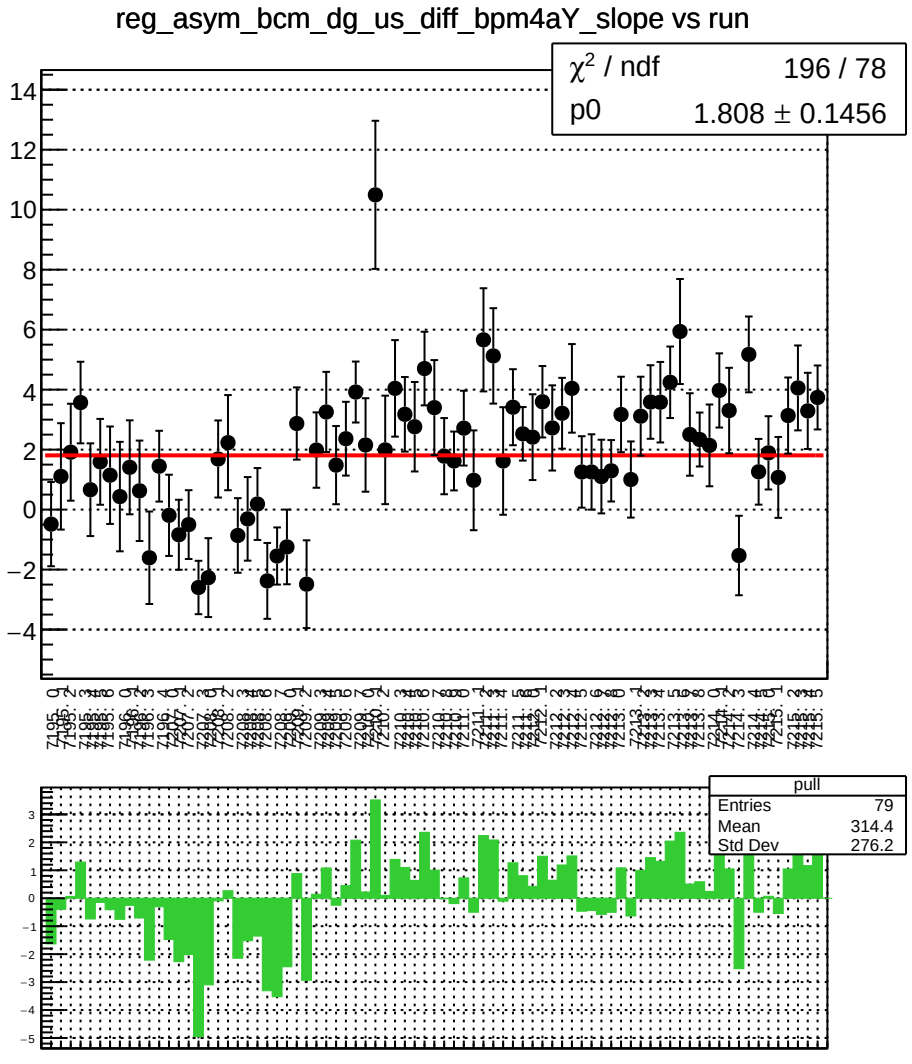

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 1718 / 78
p0 17.24 ± 0.1887
pull
Entries 79
Mean 25.16
Std Dev 28.63
pull1D
Entries 79
Mean 0.5591
Std Dev 3.412

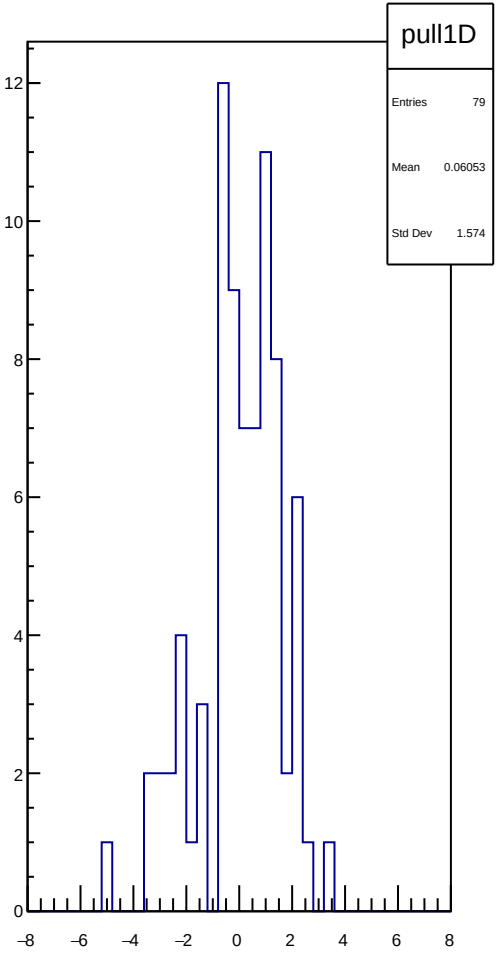

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 268.1 / 78
p0 −2.839 ± 0.1597
pull
Entries 79
Mean 259.7
Std Dev 222.5
pull1D
Entries 79
Mean −0.09307
Std Dev 1.84

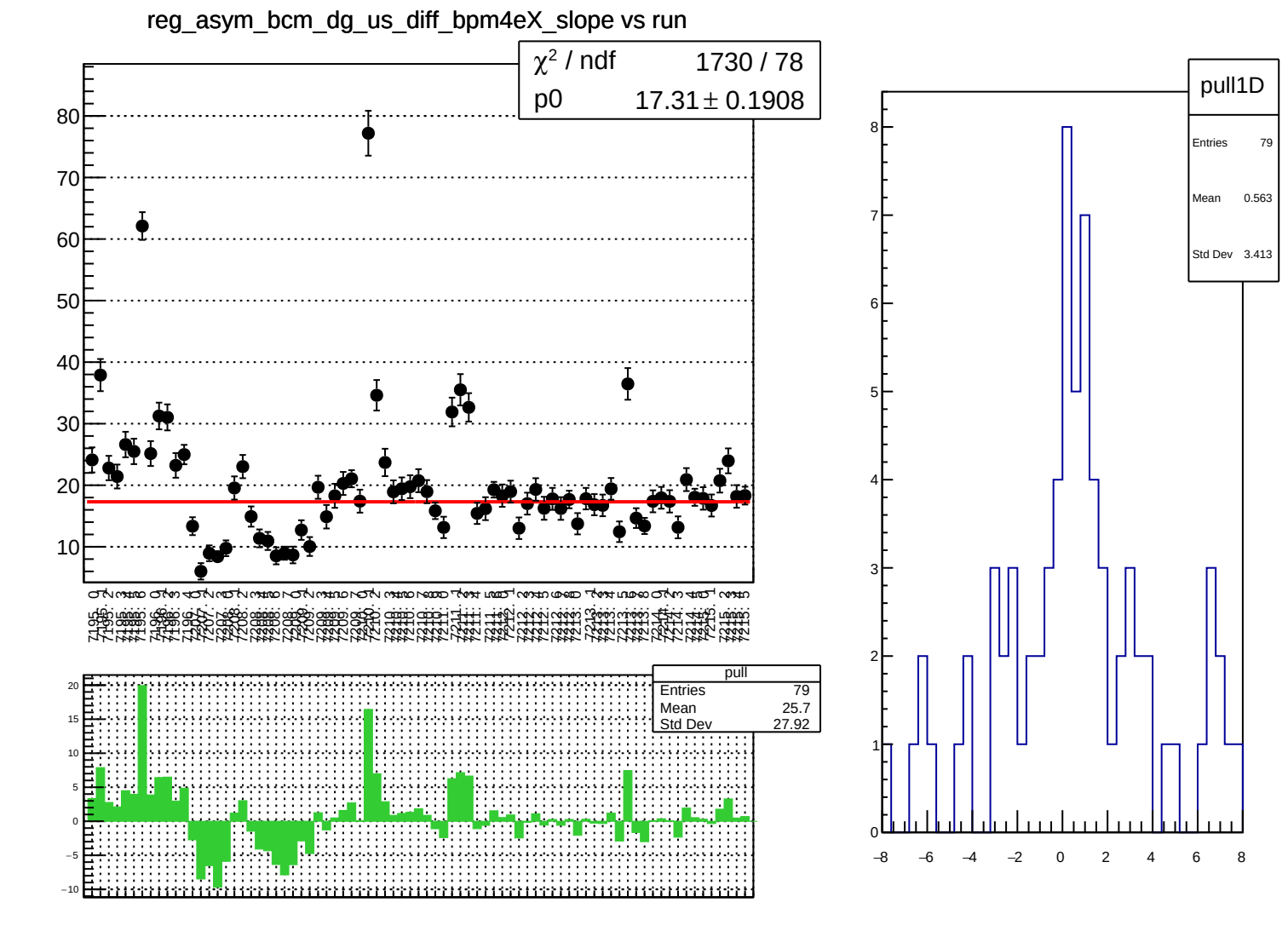

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 408.8 / 78
p0 0.06371± 0.006635
pull
Entries 79
Mean −148.2
Std Dev 178.3
pull1D
Entries 79
Mean 0.1666
Std Dev 2.269

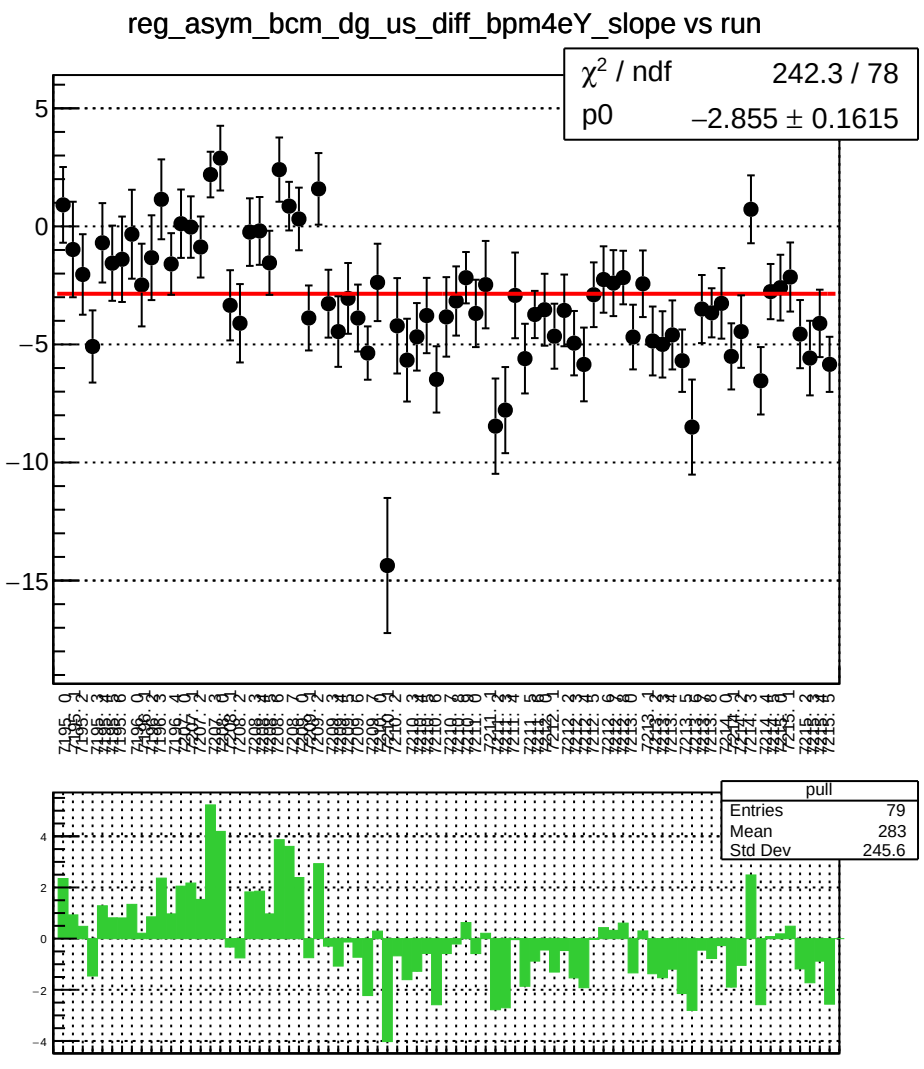

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 1764 / 78
p0 −17.48 ± 0.1895
pull
Entries 79
Mean 24.22
Std Dev 27.4

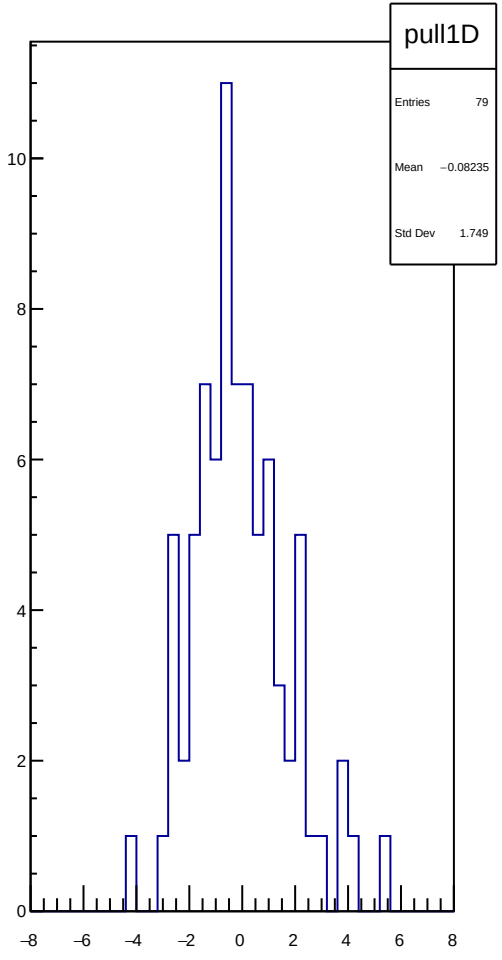

pull1D
Entries 79
Mean −0.4576
Std Dev 3.365

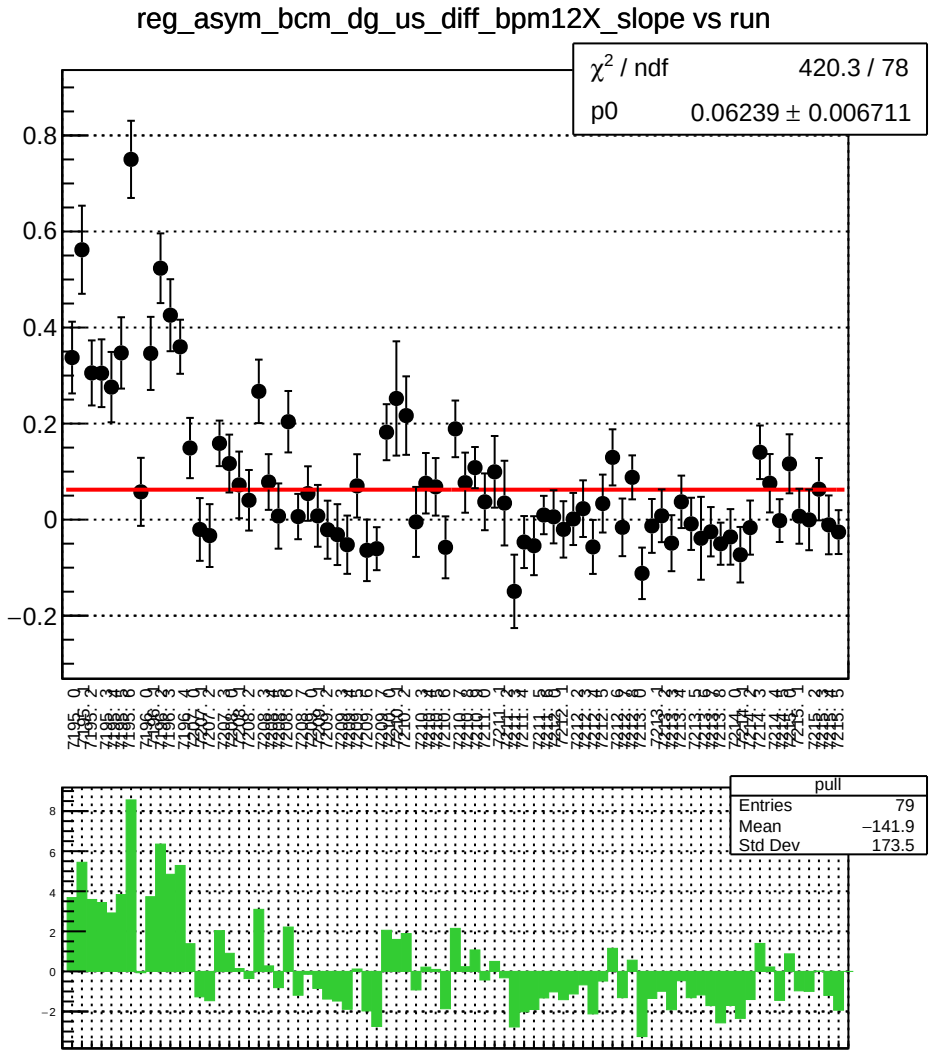

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 196 / 78
p0 1.808 ± 0.1456
pull
Entries 79
Mean 314.4
Std Dev 276.2

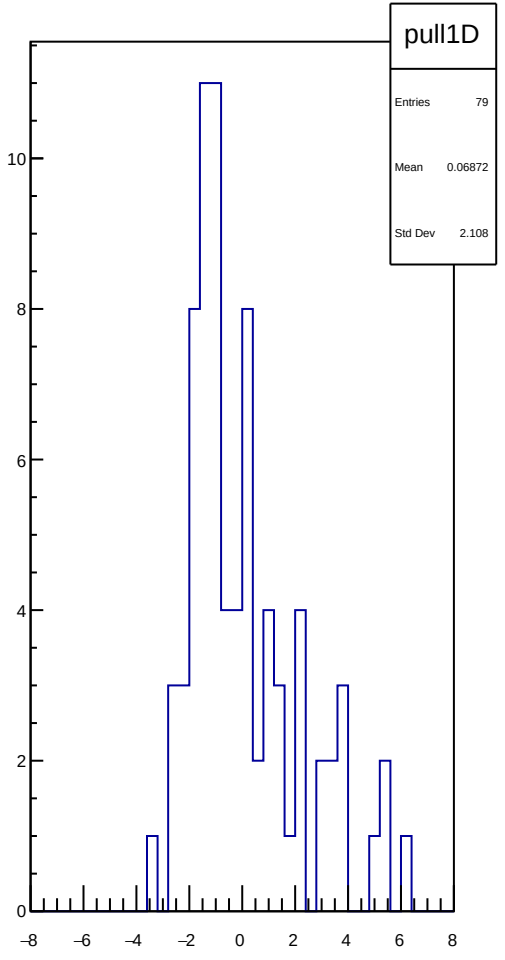

pull1D
Entries 79
Mean 0.06053
Std Dev 1.574


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 1730 / 78
p0 17.31 ± 0.1908
pull
Entries 79
Mean 25.7
Std Dev 27.92
pull1D
Entries 79
Mean 0.563
Std Dev 3.413


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 242.3 / 78
p0 −2.855 ± 0.1615
pull
Entries 79
Mean 283
Std Dev 245.6


pull1D
Entries 79
Mean −0.08235
Std Dev 1.749


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 420.3 / 78
p0 0.06239 ± 0.006711
pull
Entries 79
Mean −141.9
Std Dev 173.5


pull1D
Entries 79
Mean 0.06872
Std Dev 2.108