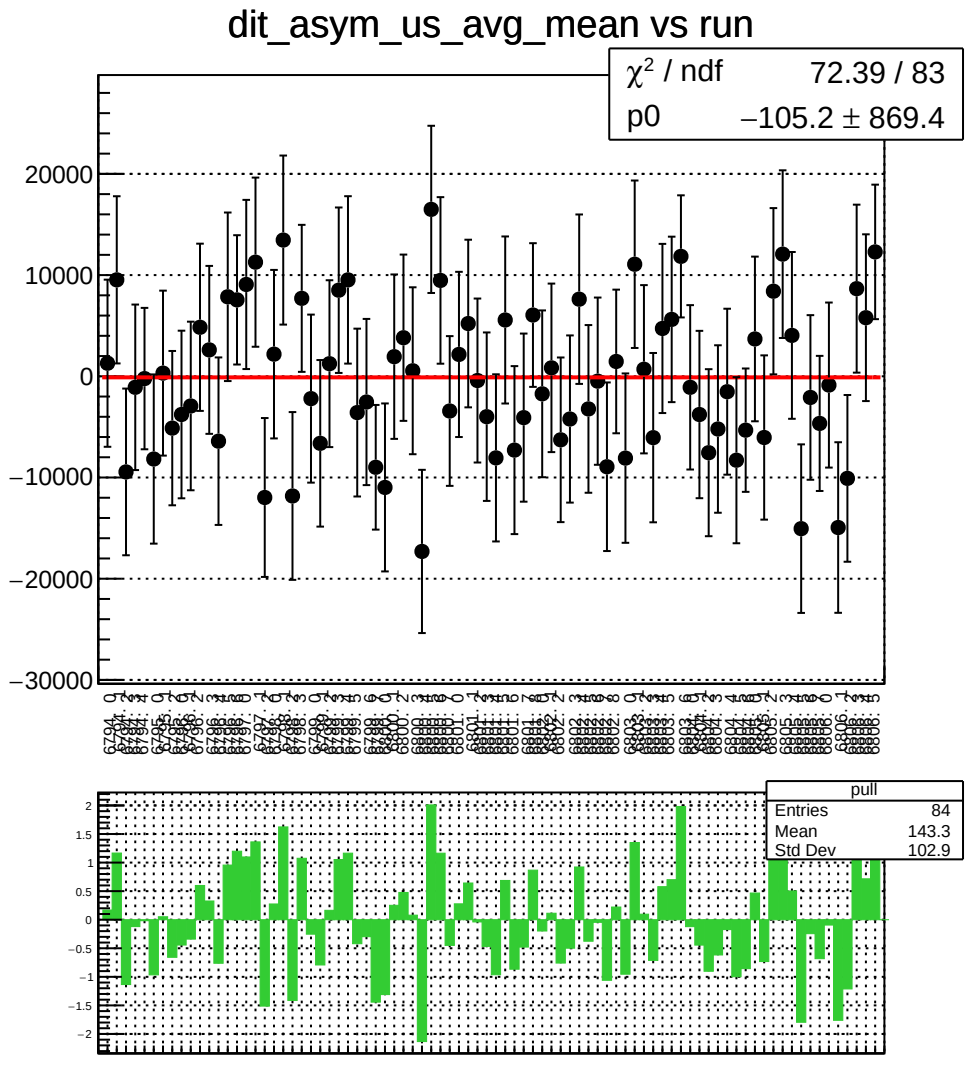
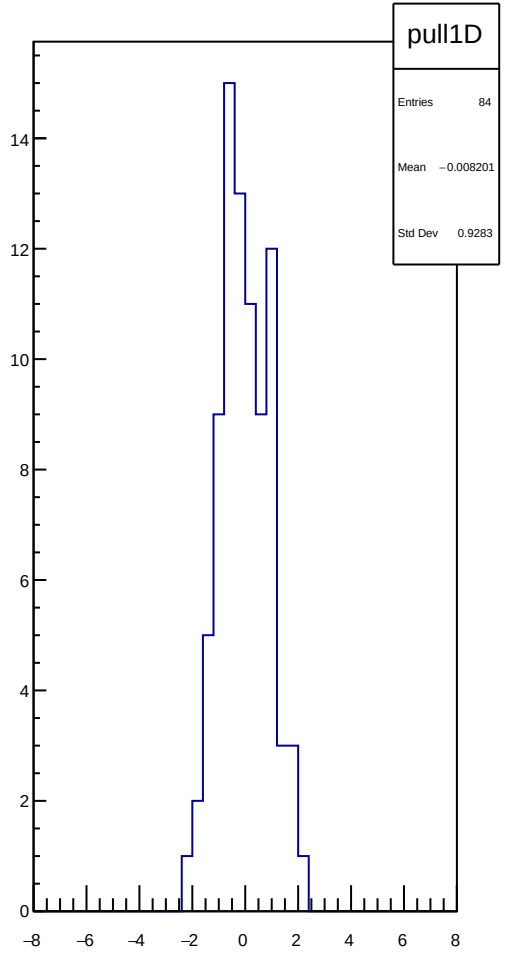
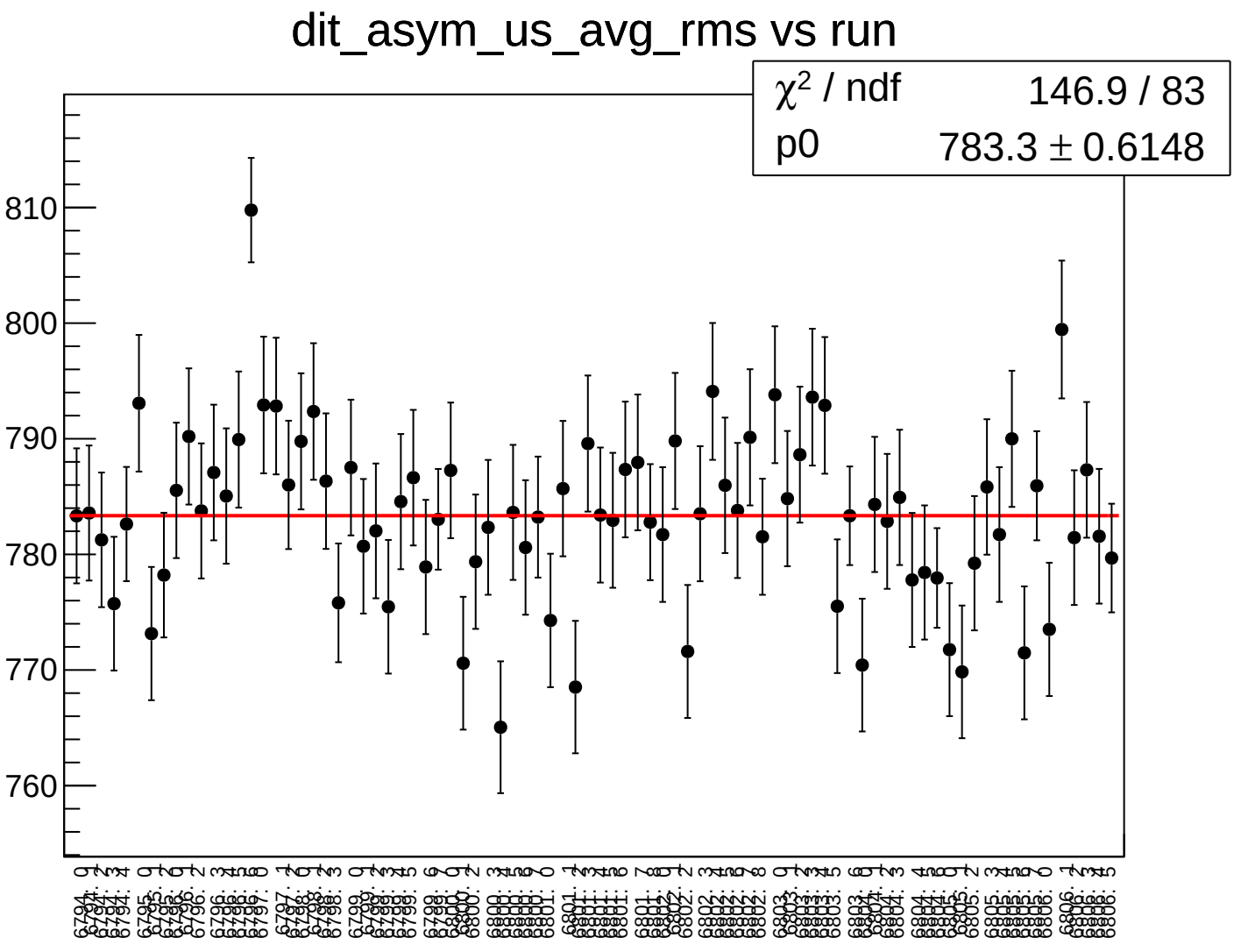
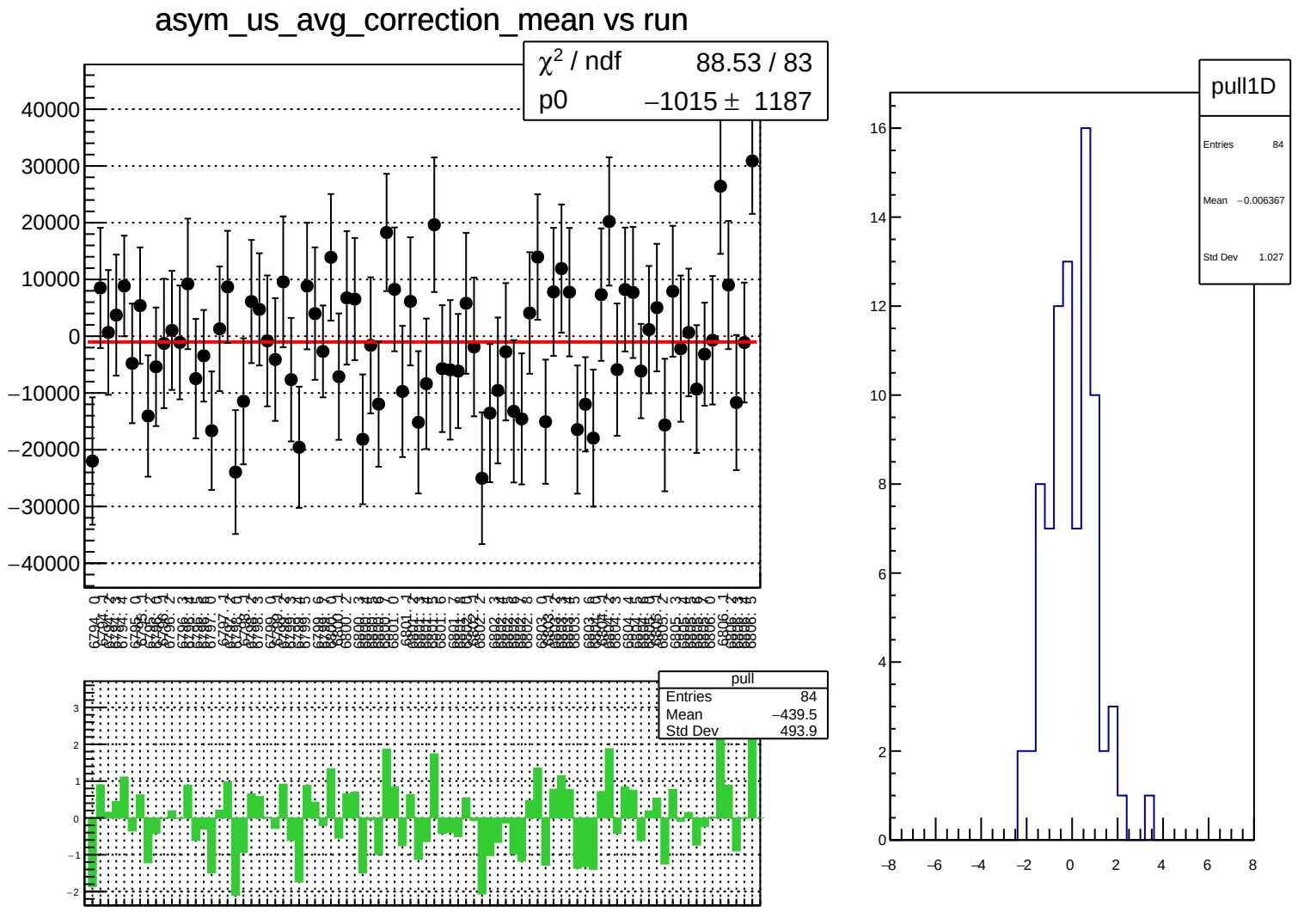
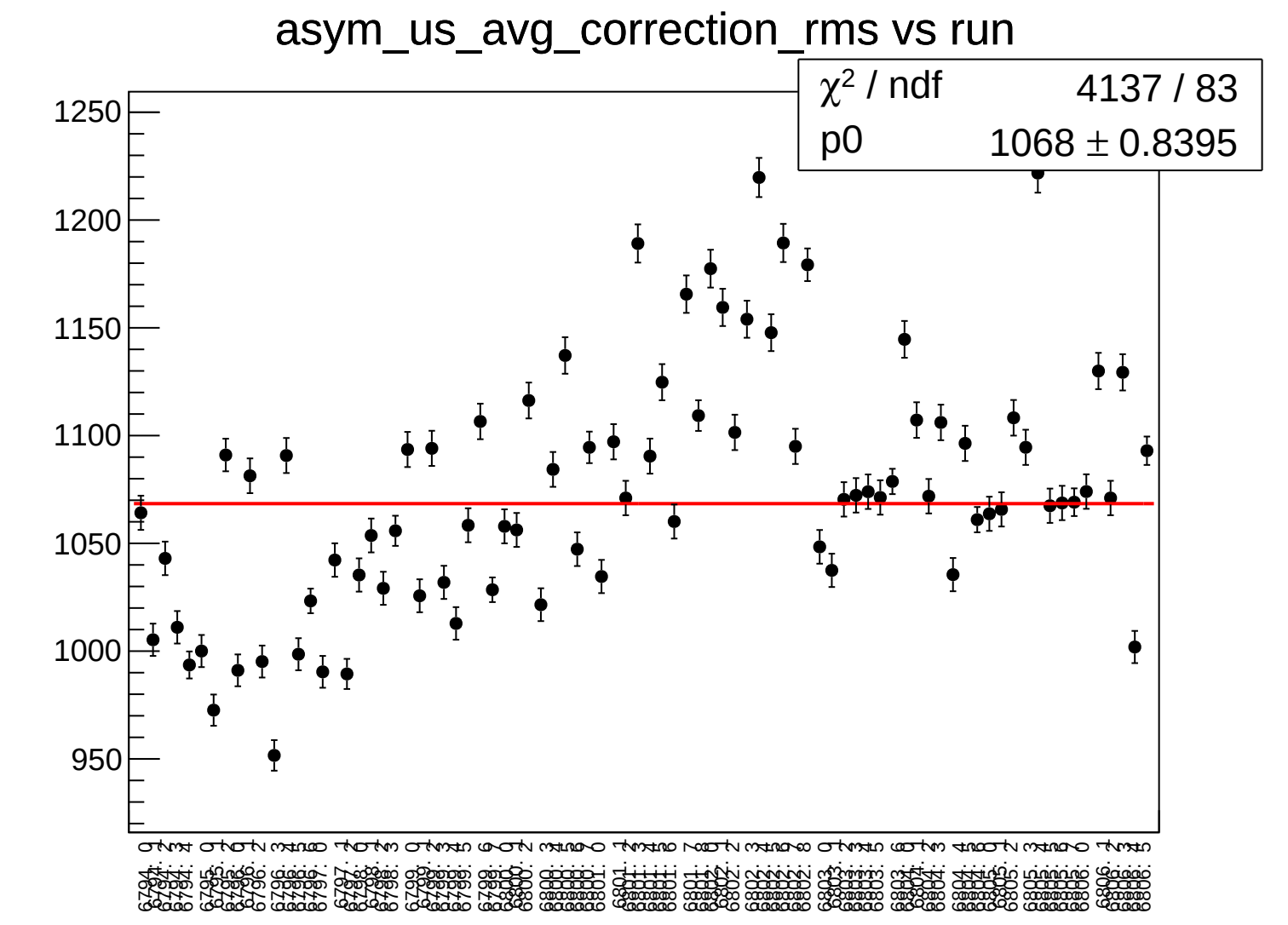
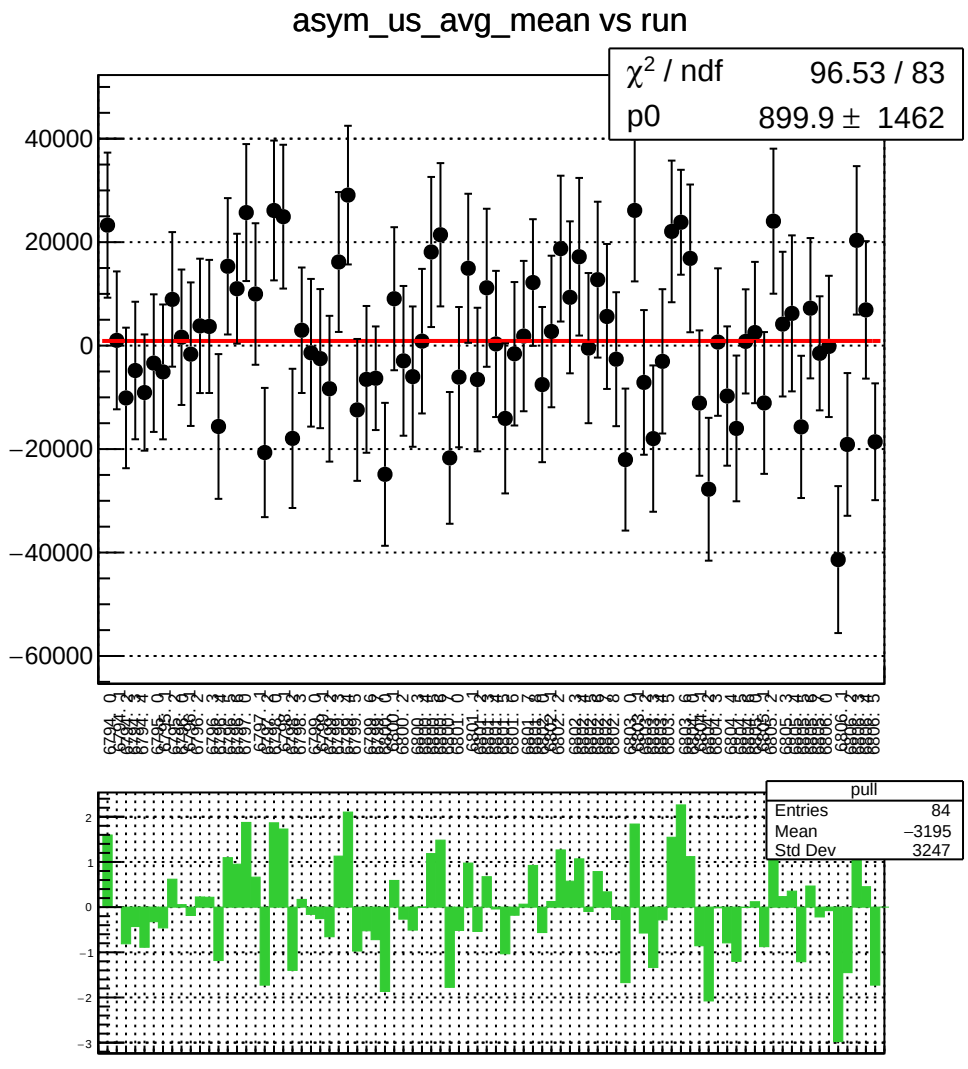

dit_asym_us_avg_mean vs run
χ² / ndf 72.39 / 83
p0 −105.2 ± 869.4
20000
10000
0
−10000
−20000
−30000
pull
Entries 84
Mean 143.3
Std Dev 102.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

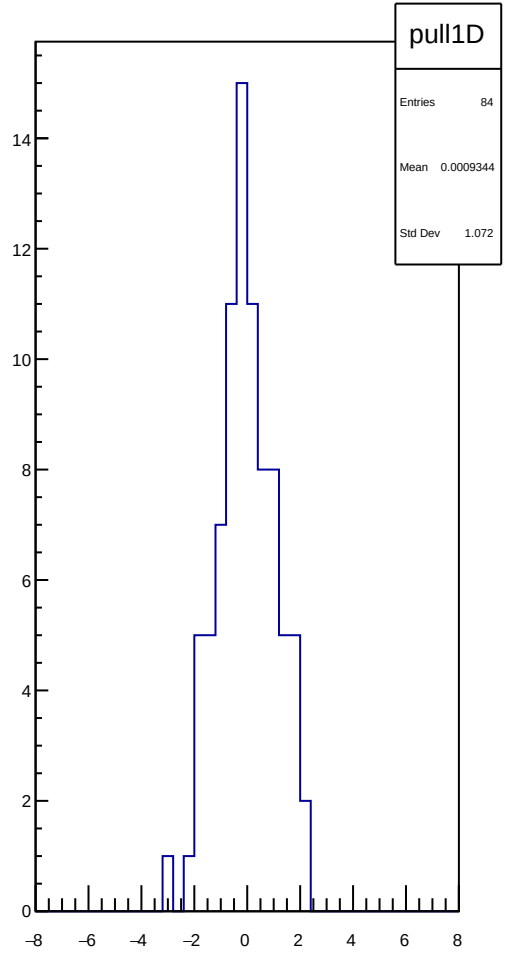

pull1D
Entries 84
Mean −0.008201
Std Dev 0.9283
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

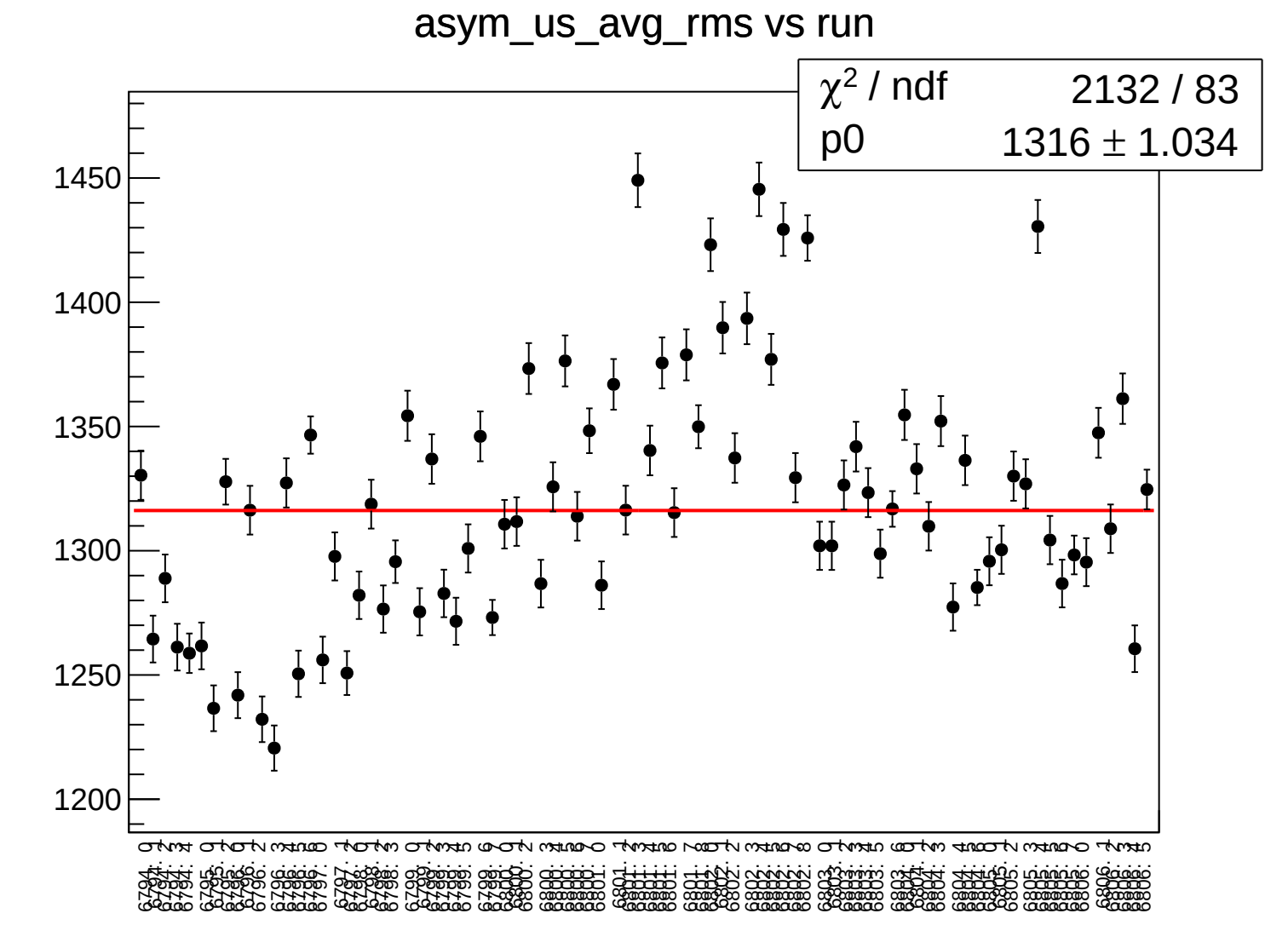

dit_asym_us_avg_rms vs run
χ² / ndf 146.9 / 83
p0 783.3 ± 0.6148
810
800
790
780
770
760

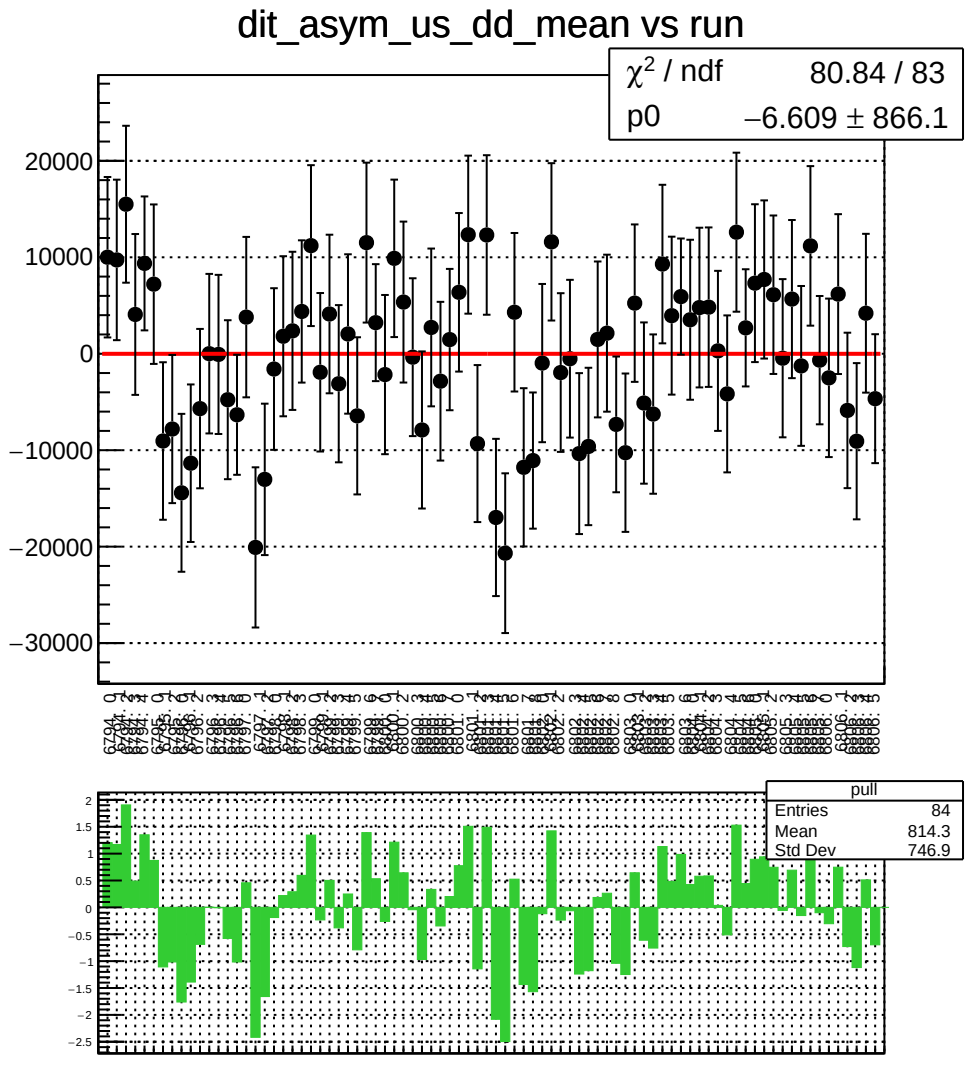

asym_us_avg_correction_mean vs run
χ² / ndf 88.53 / 83
p0 −1015 ± 1187
pull
Entries 84
Mean −439.5
Std Dev 493.9
pull1D
Entries 84
Mean −0.006367
Std Dev 1.027

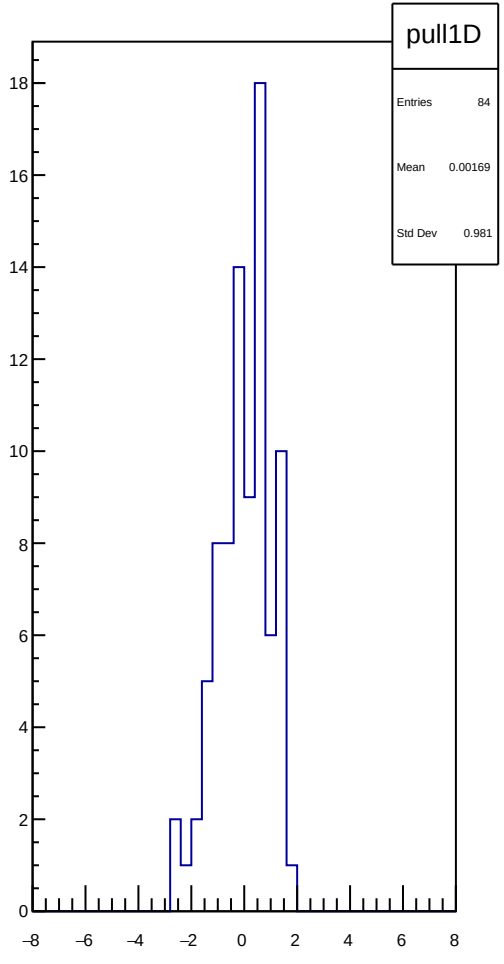

asym_us_avg_correction_rms vs run
χ² / ndf 4137 / 83
p0 1068 ± 0.8395
1250
1200
1150
1100
1050
1000
950

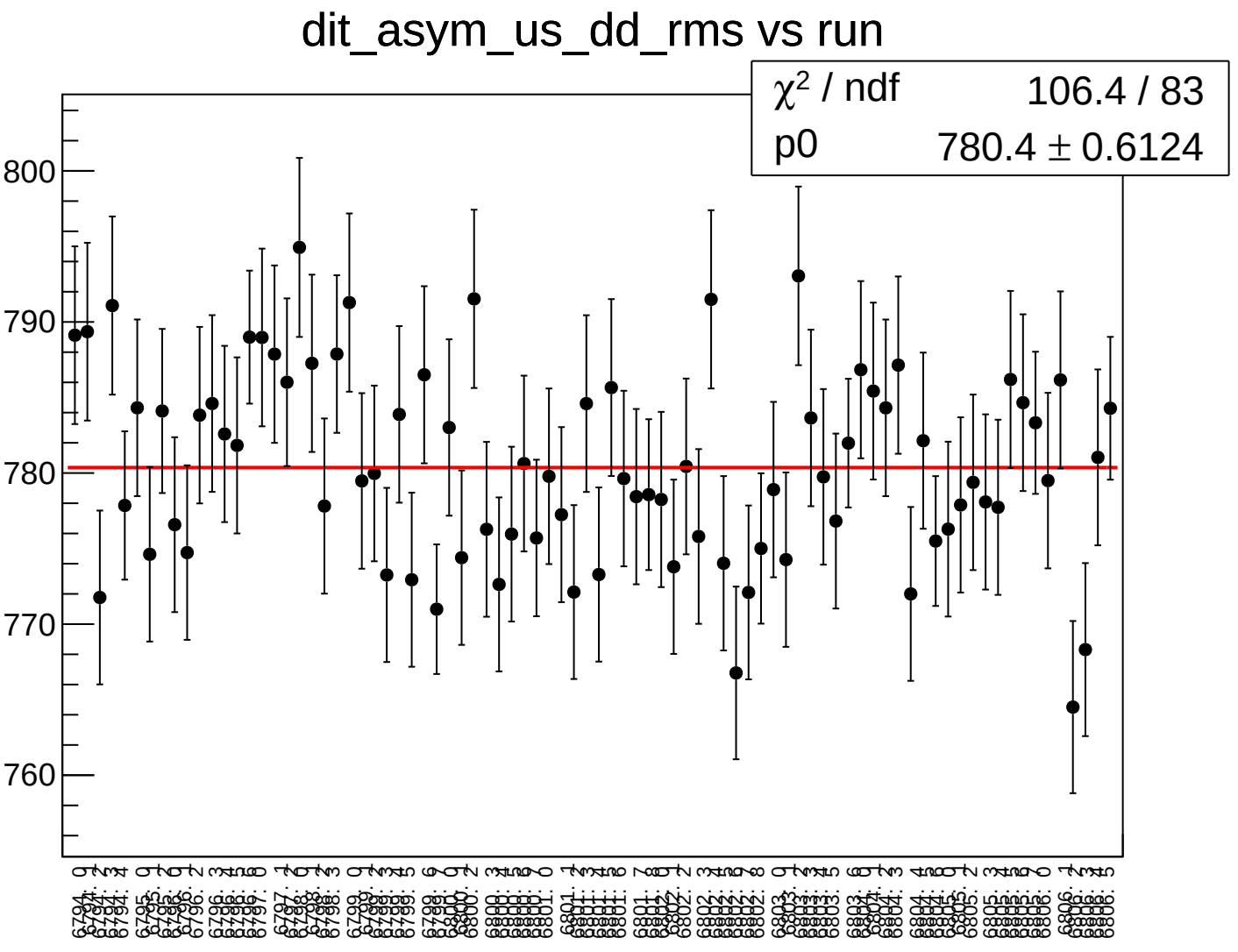

asym_us_avg_mean vs run
χ² / ndf 96.53 / 83
p0 899.9 ± 1462
40000
20000
0
−20000
−40000
−60000
pull
Entries 84
Mean −3195
Std Dev 3247
2
1
0
−1
−2
−3

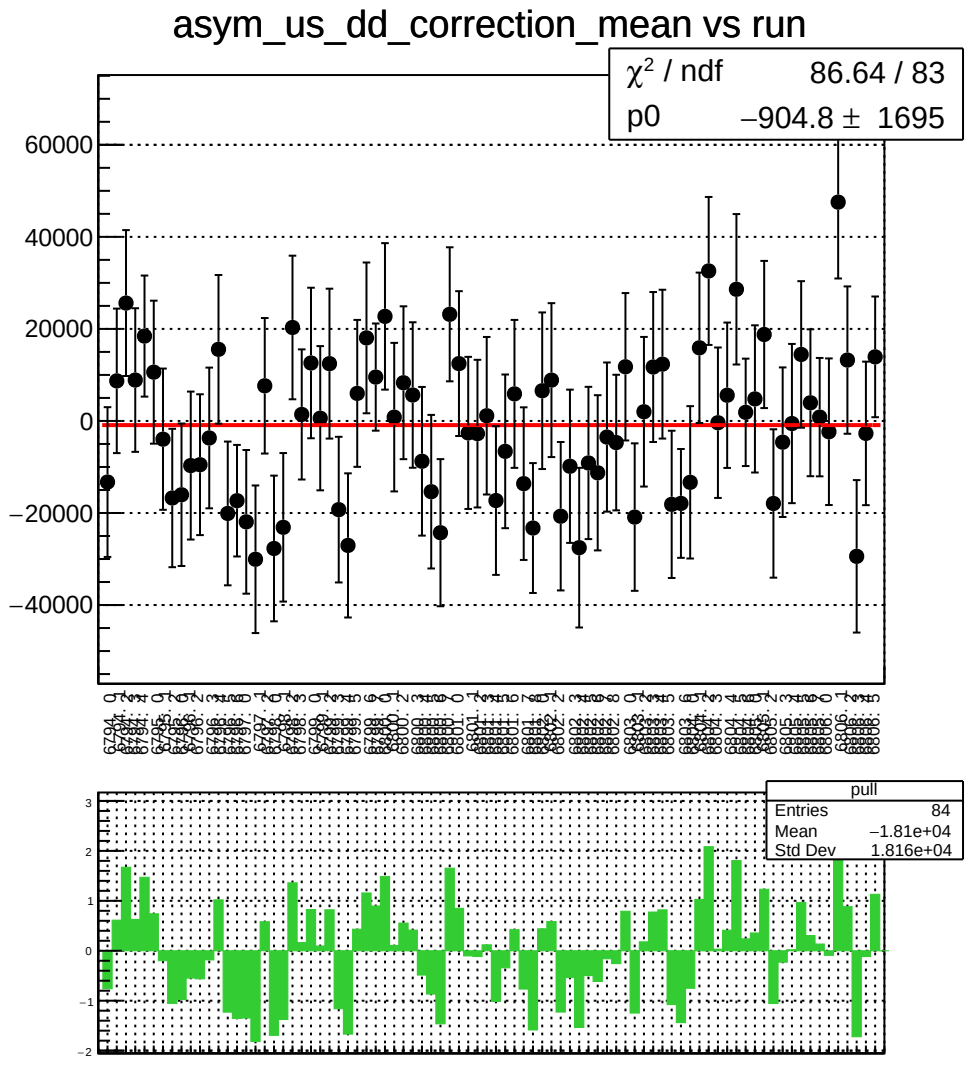

pull1D
Entries 84
Mean 0.0009344
Std Dev 1.072
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

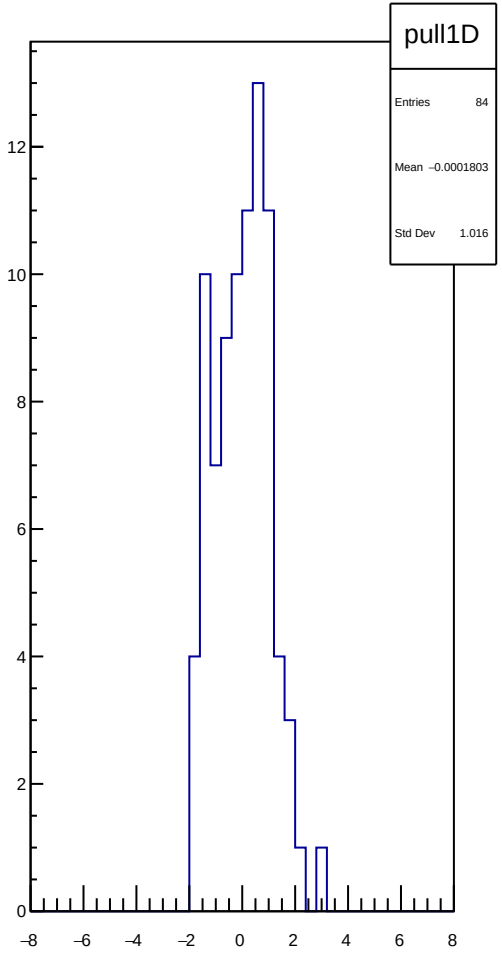

asym_us_avg_rms vs run
χ^2 / ndf 2132 / 83
p0 1316 ± 1.034
1450
1400
1350
1300
1250
1200

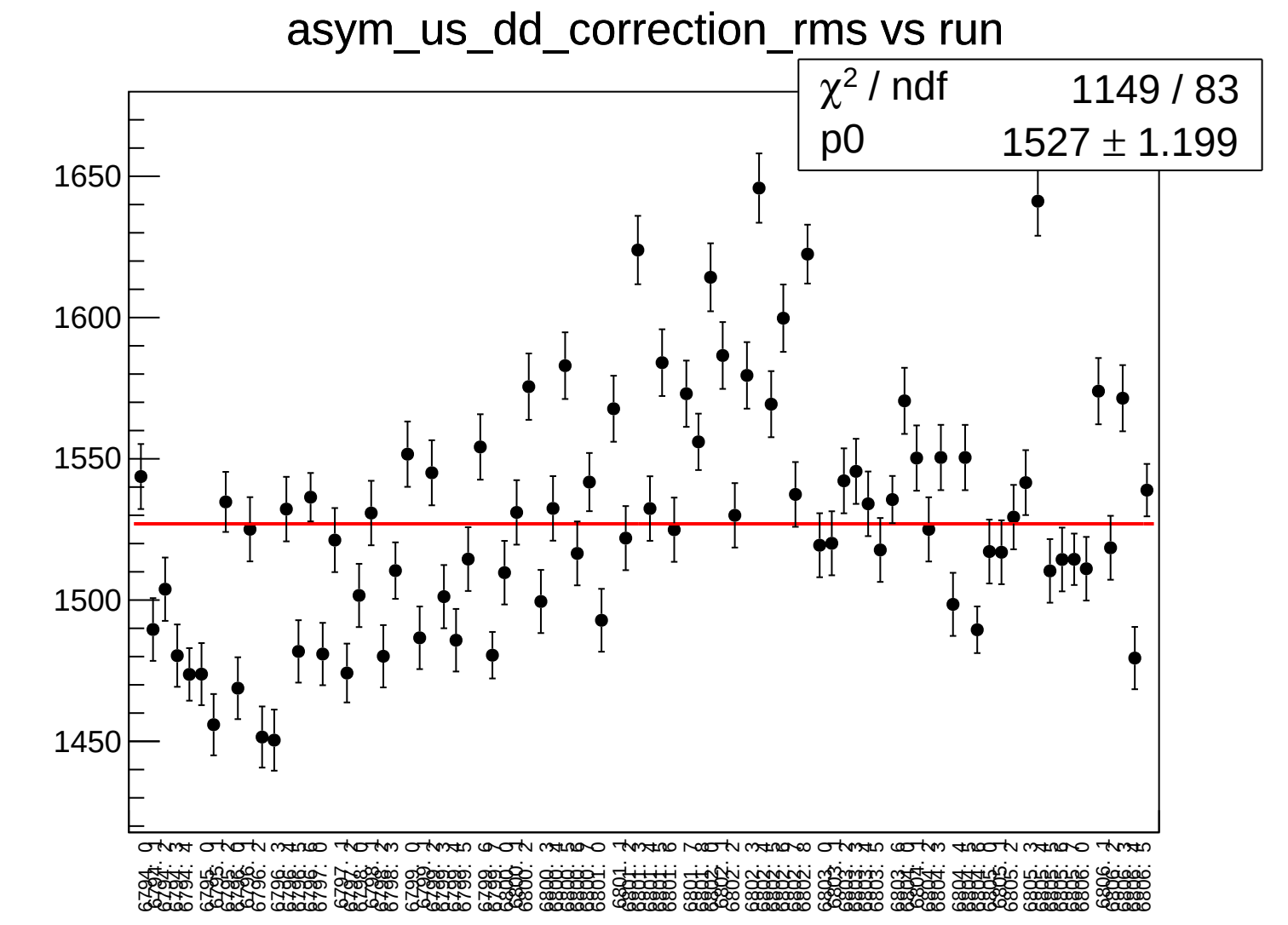

dit_asym_us_dd_mean vs run
χ² / ndf 80.84 / 83
p0 −6.609 ± 866.1
20000
10000
0
−10000
−20000
−30000
pull
Entries 84
Mean 814.3
Std Dev 746.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

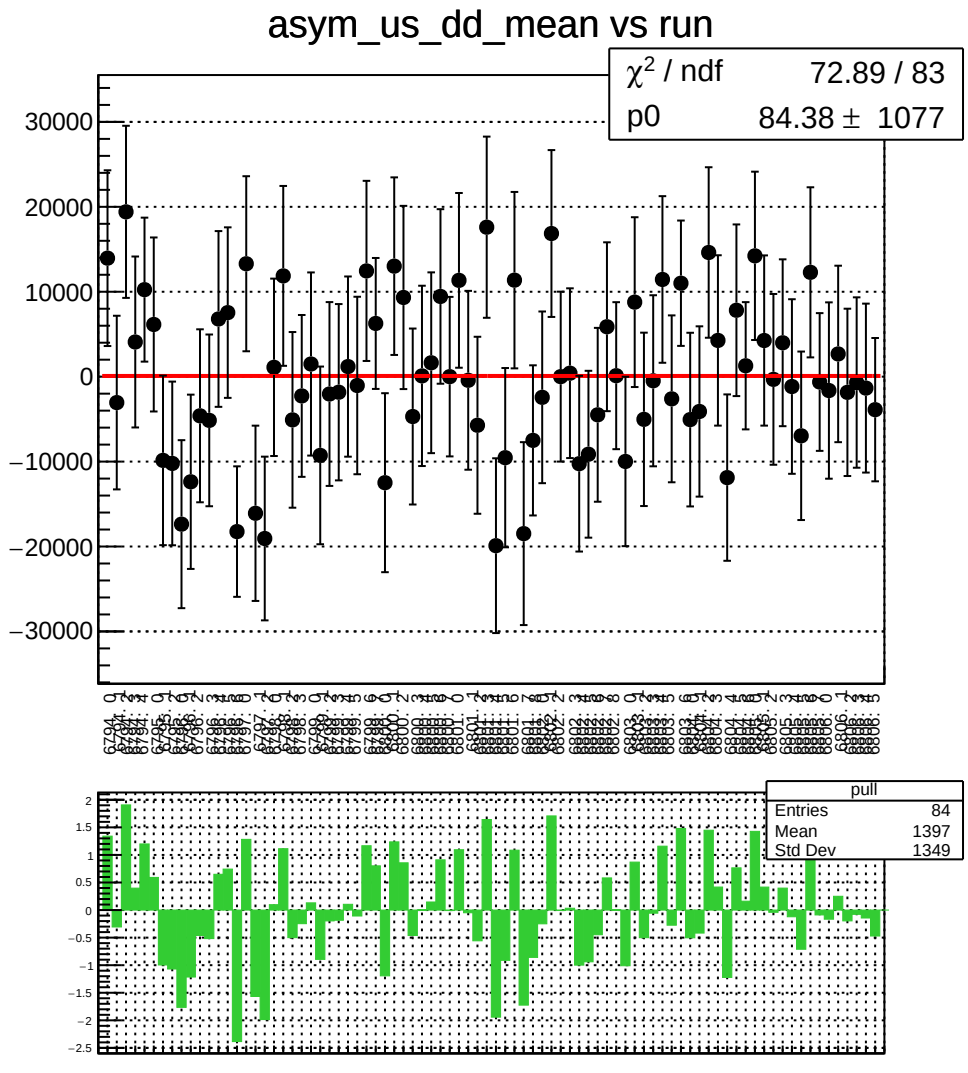

pull1D
Entries 84
Mean 0.00169
Std Dev 0.981
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

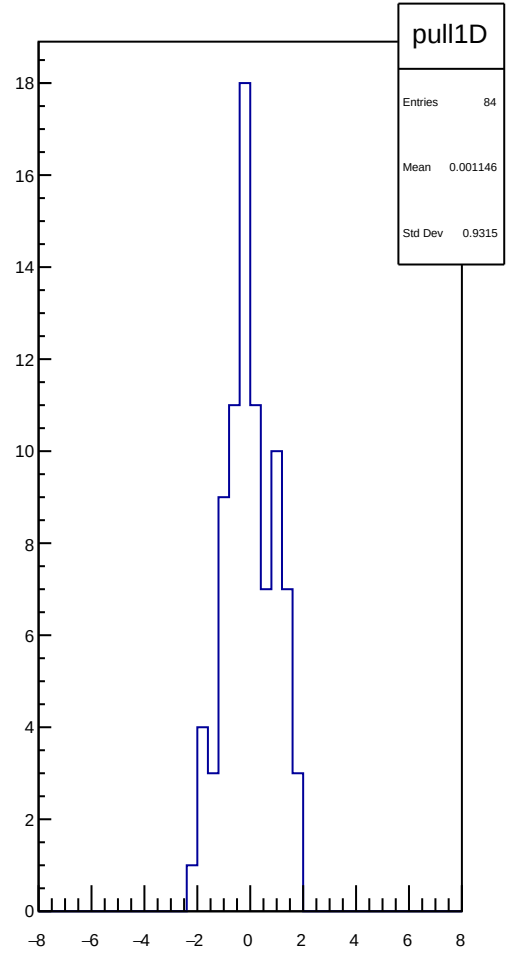

dit_asym_us_dd_rms vs run
χ² / ndf 106.4 / 83
p0 780.4 ± 0.6124
800
790
780
770
760

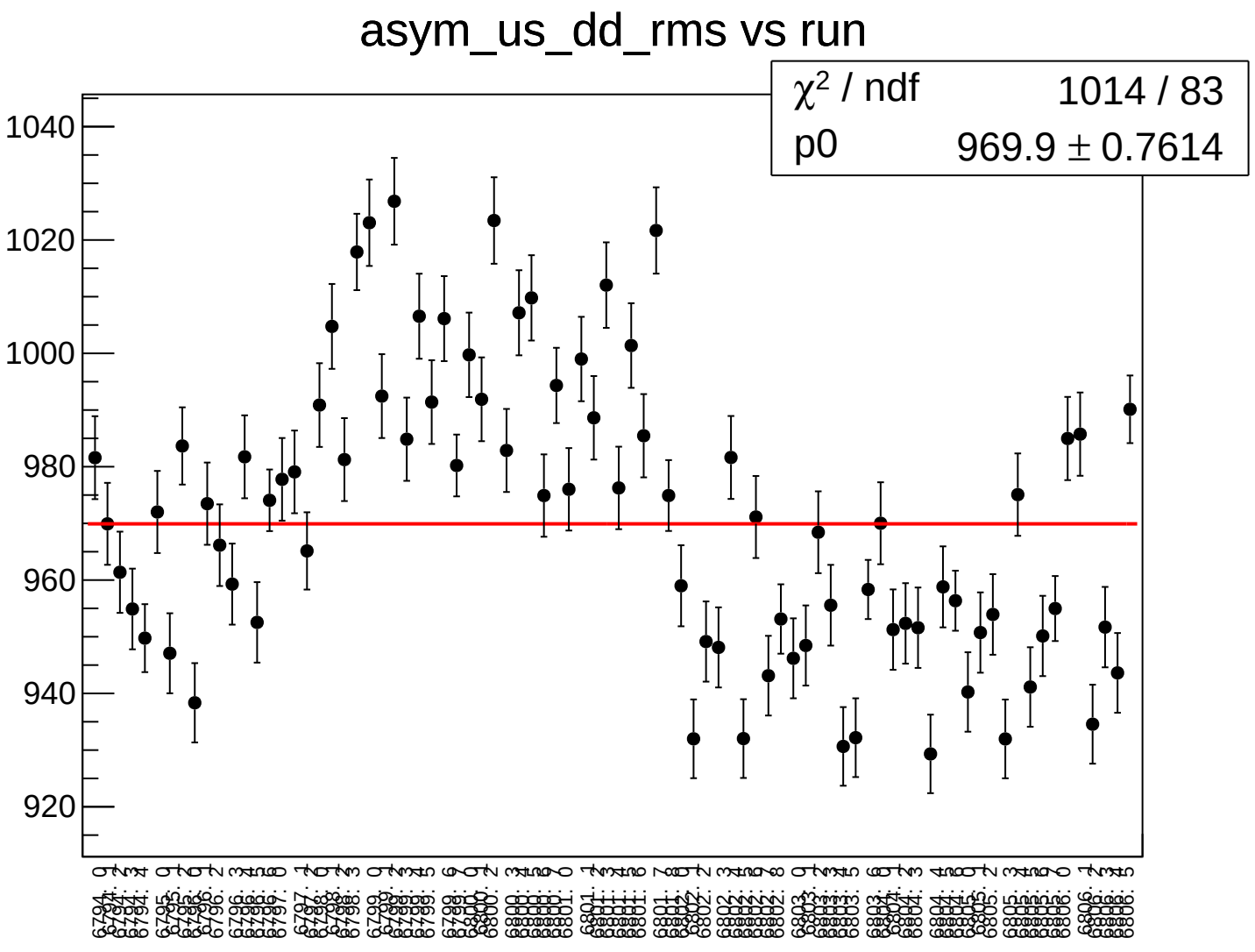

asym_us_dd_correction_mean vs run
χ² / ndf 86.64 / 83
p0 −904.8 ± 1695
60000
40000
20000
0
−20000
−40000
pull
Entries 84
Mean −1.81e+04
Std Dev 1.816e+04
3
2
1
0
−1
−2

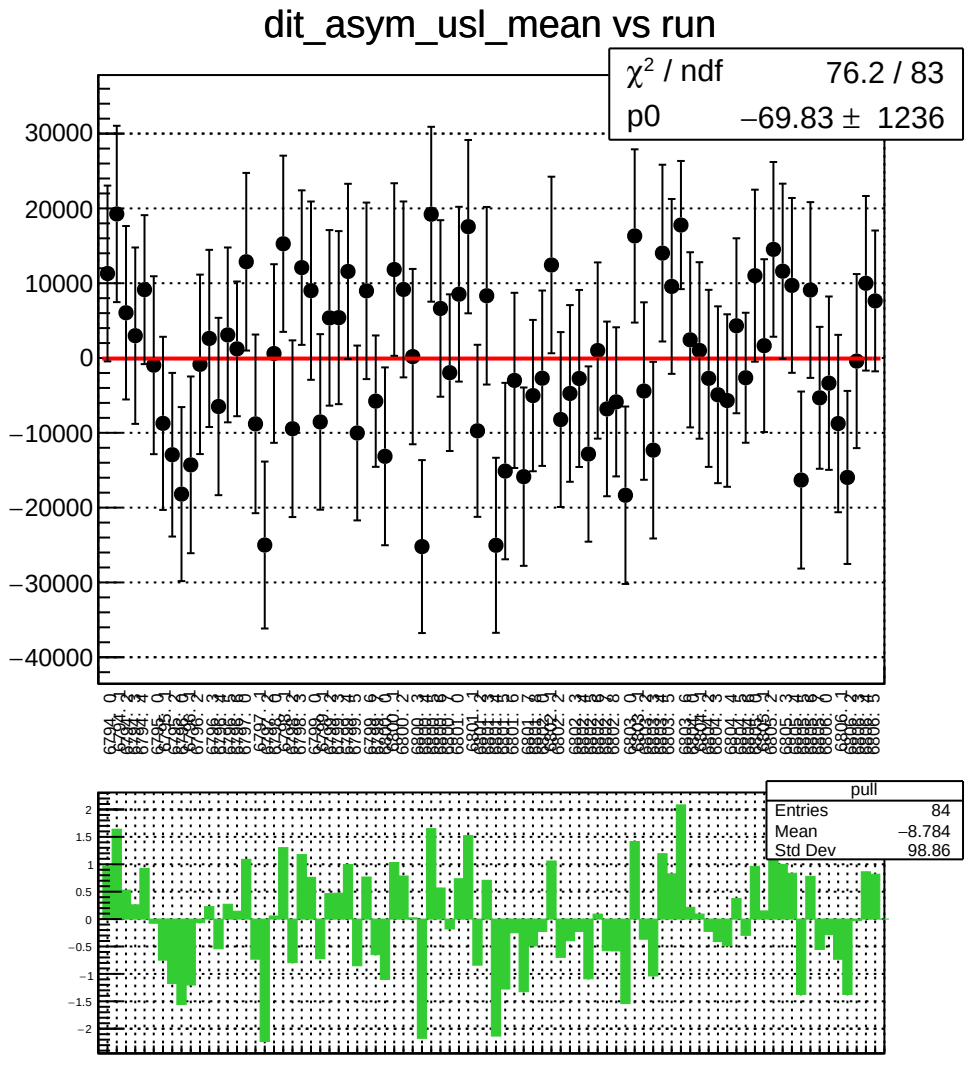

pull1D
Entries 84
Mean −0.0001803
Std Dev 1.016
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

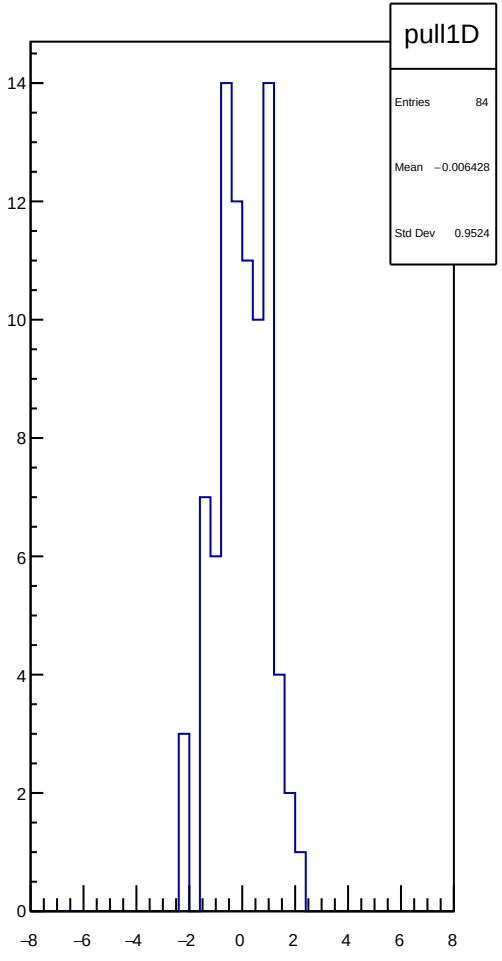

asym_us_dd_correction_rms vs run
χ² / ndf 1149 / 83
p0 1527 ± 1.199
1650
1600
1550
1500
1450

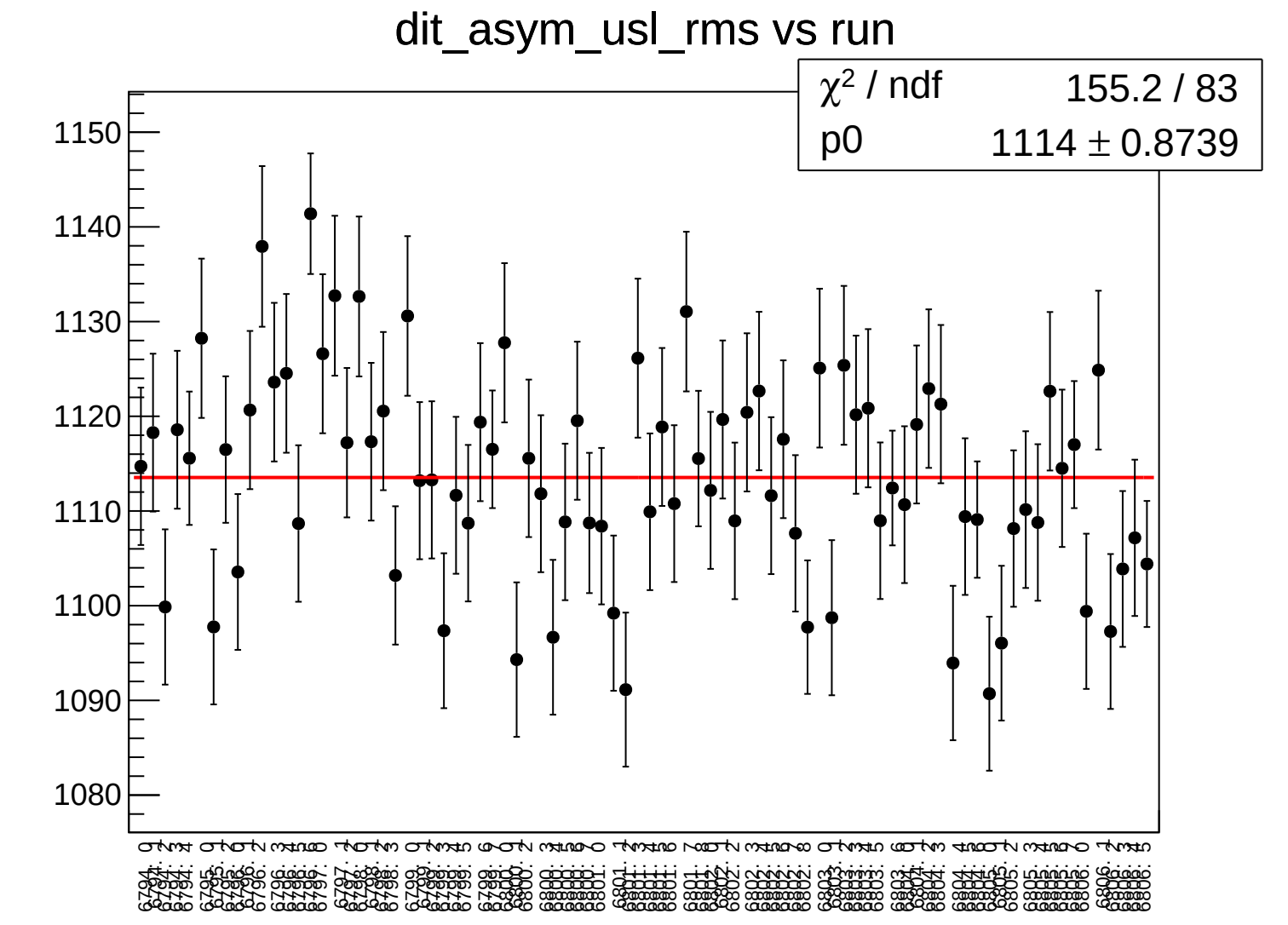

asym_us_dd_mean vs run
χ² / ndf 72.89 / 83
p0 84.38 ± 1077
pull
Entries 84
Mean 1397
Std Dev 1349

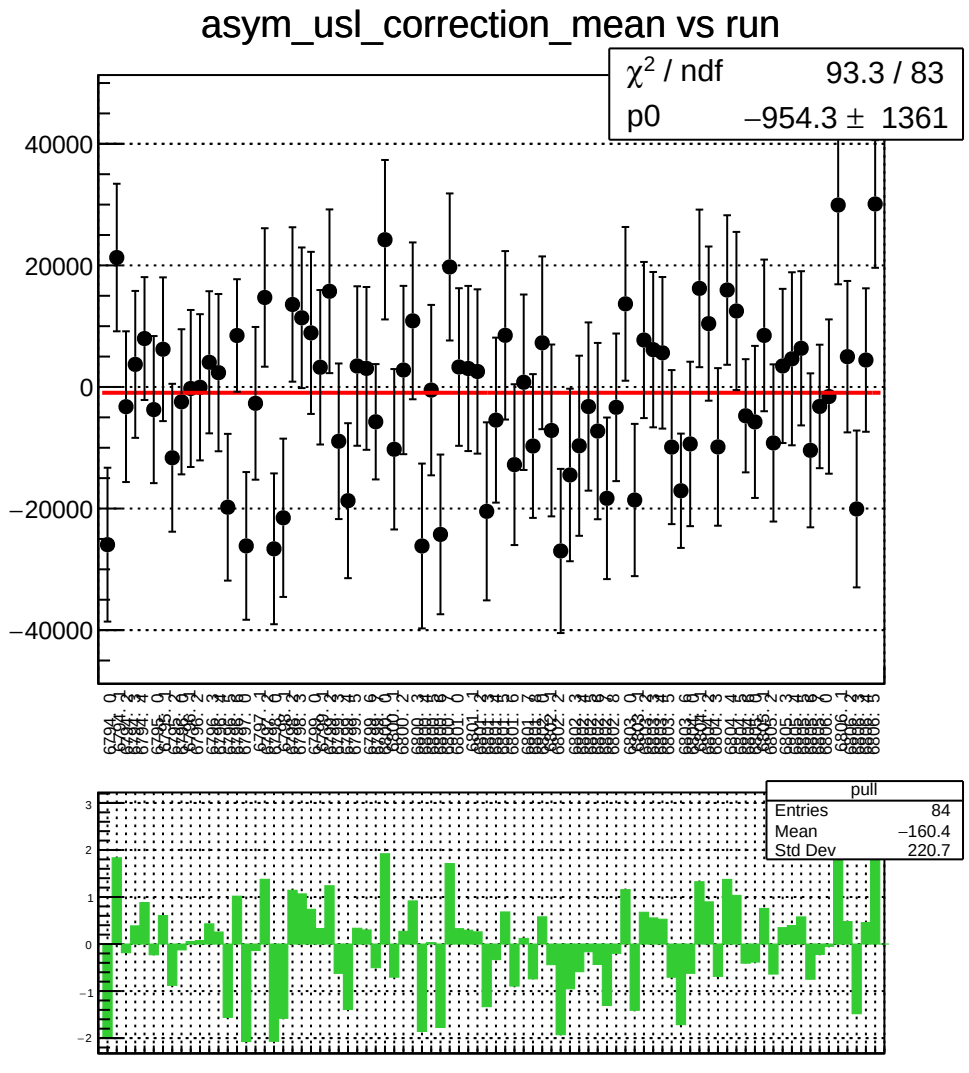

pull1D
Entries 84
Mean 0.001146
Std Dev 0.9315

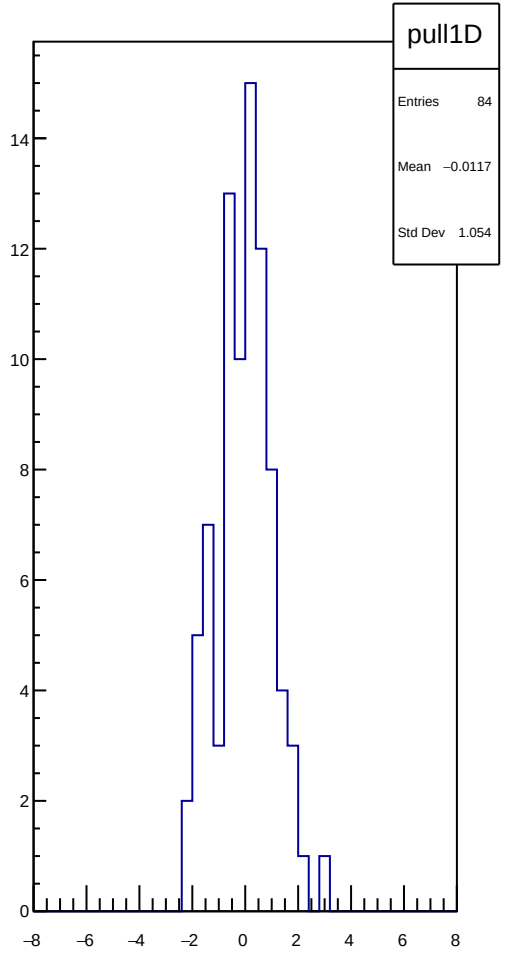

asym_us_dd_rms vs run
χ² / ndf 1014 / 83
p0 969.9 ± 0.7614
1040
1020
1000
980
960
940
920

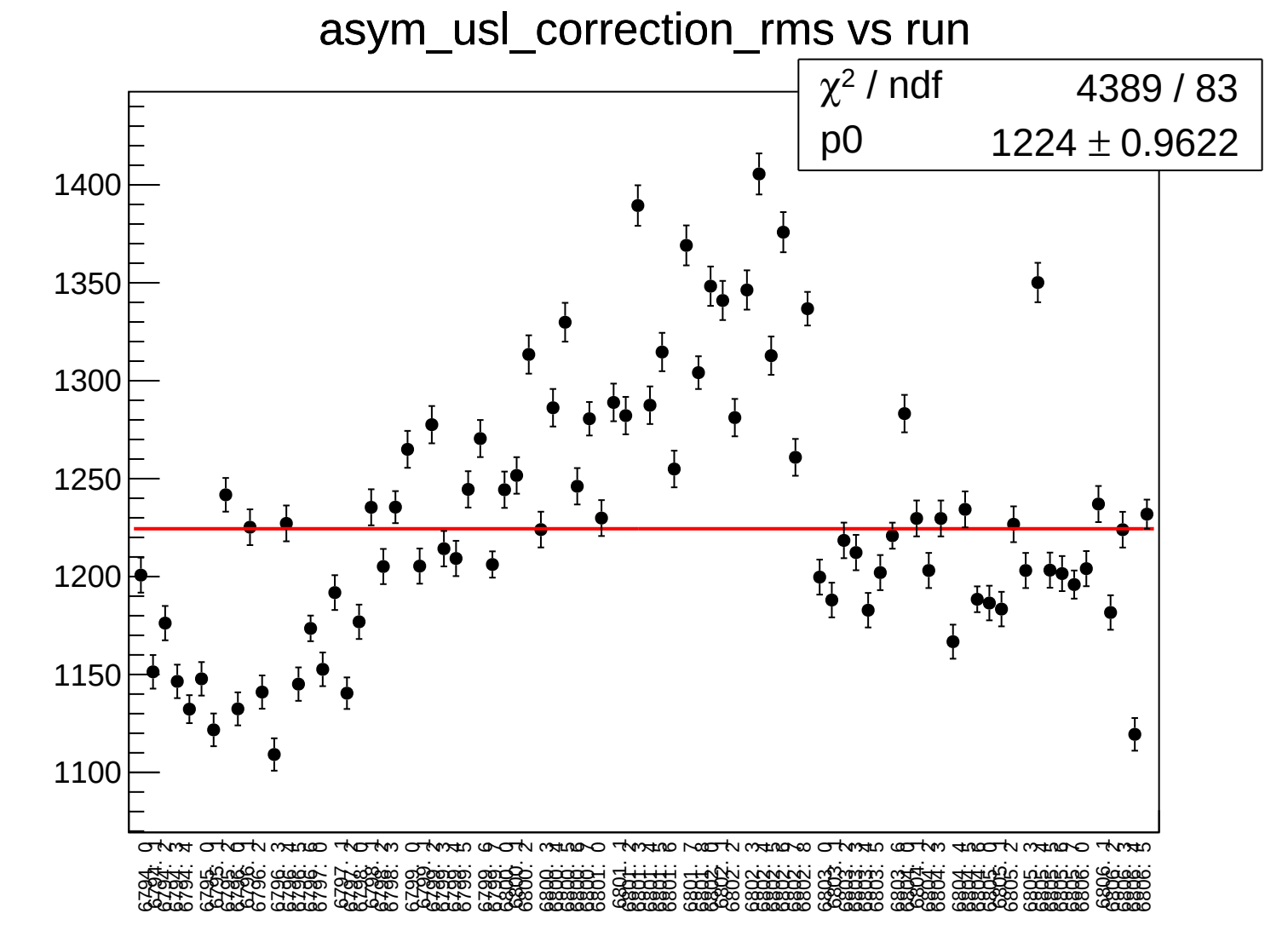

dit_asym_usl_mean vs run
χ² / ndf 76.2 / 83
p0 −69.83 ± 1236
pull
Entries 84
Mean −8.784
Std Dev 98.86

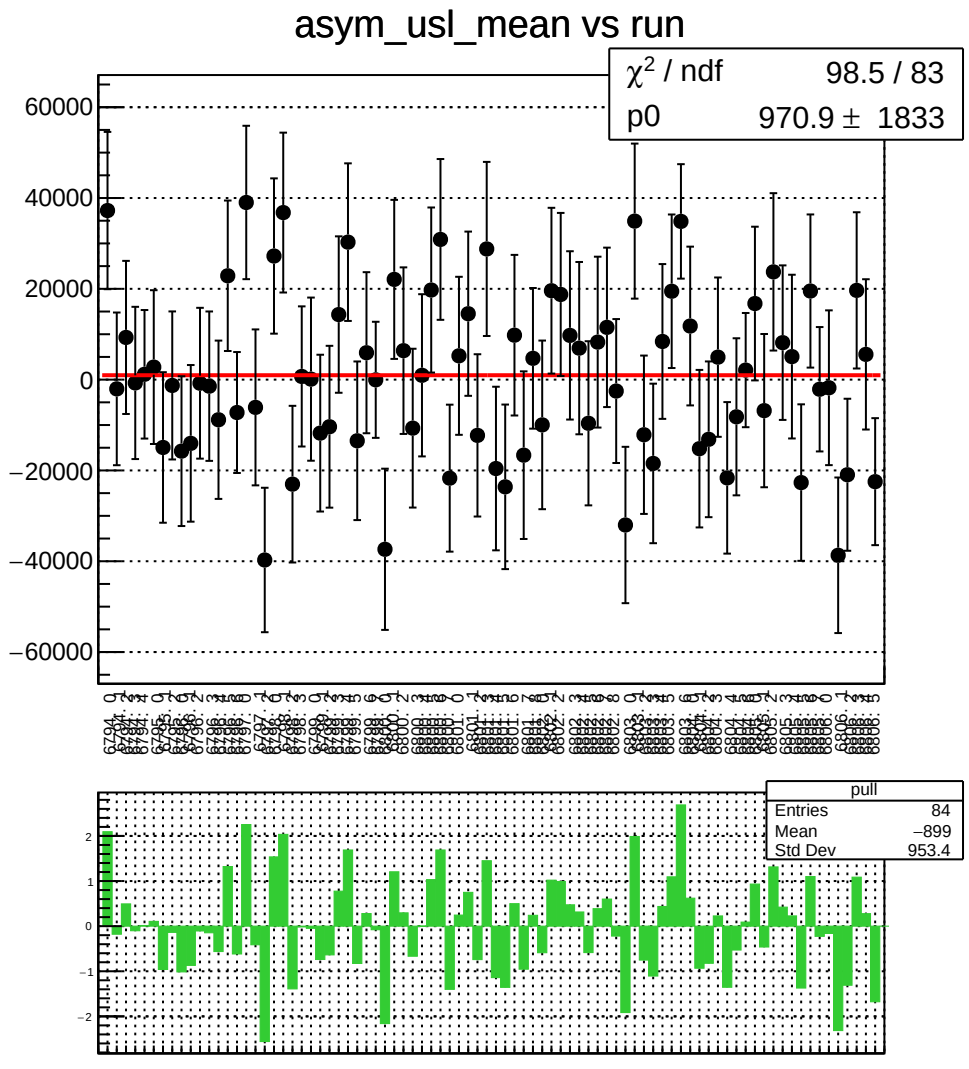

pull1D
Entries 84
Mean −0.006428
Std Dev 0.9524

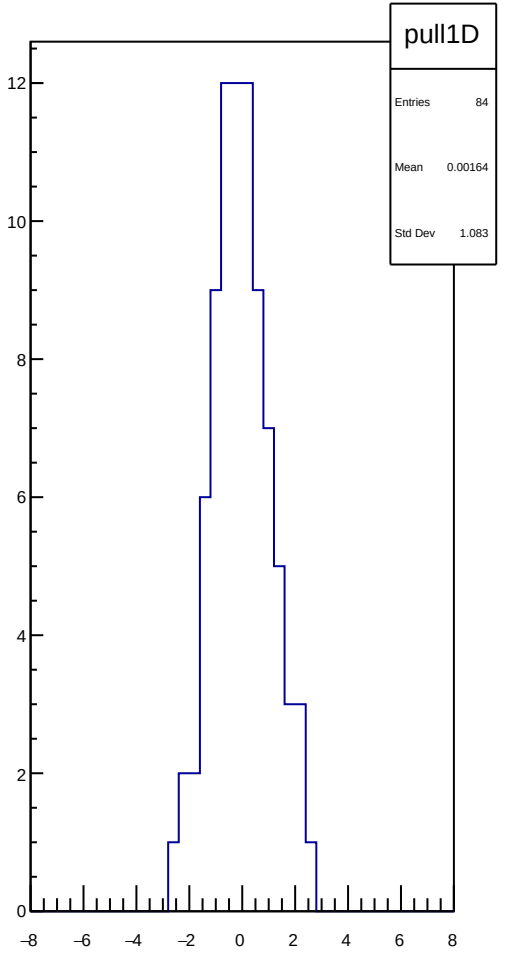

dit_asym_usl_rms vs run
χ² / ndf 155.2 / 83
p0 1114 ± 0.8739
1150
1140
1130
1120
1110
1100
1090
1080

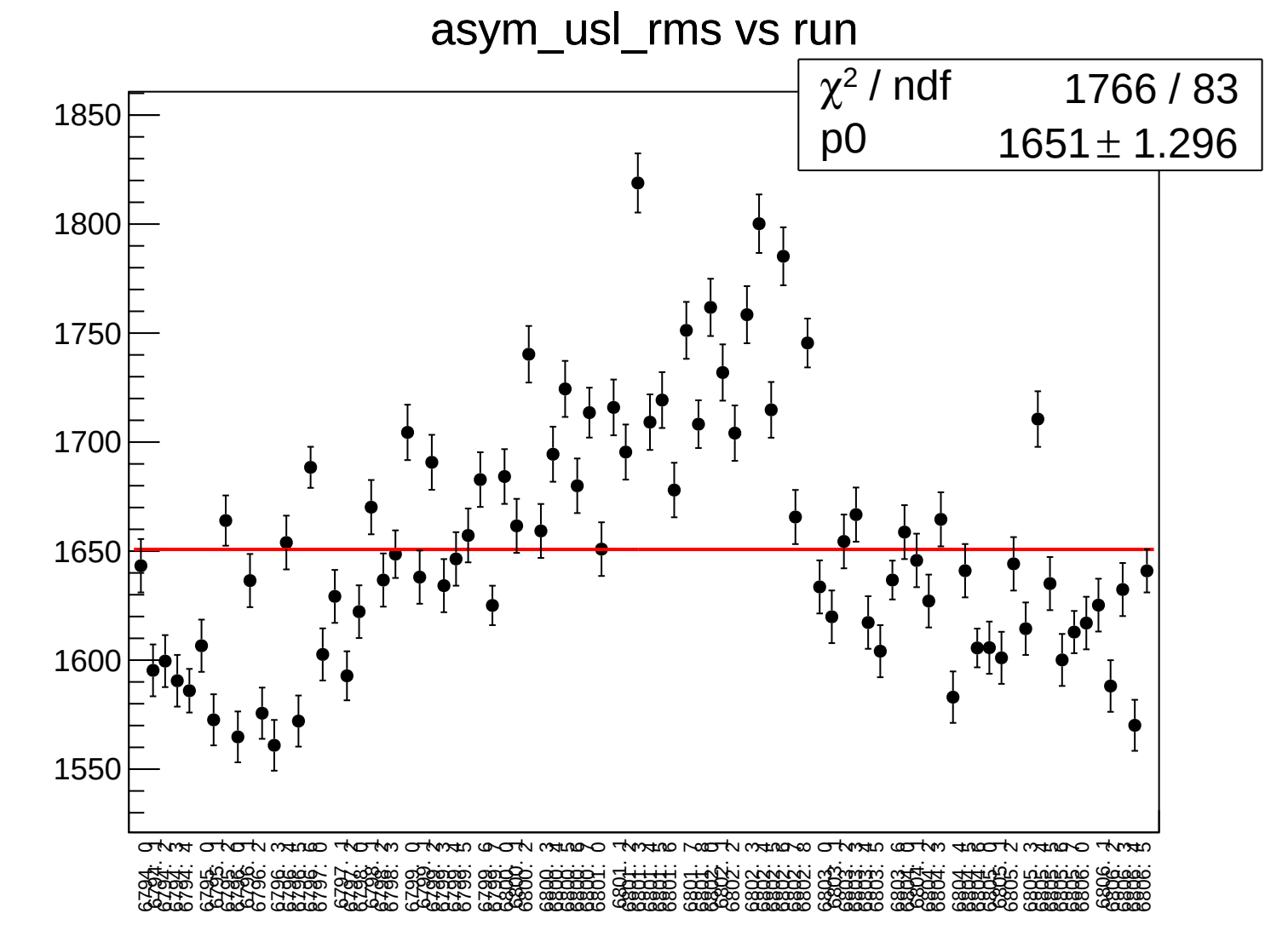

asym_usl_correction_mean vs run
χ² / ndf 93.3 / 83
p0 −954.3 ± 1361
40000
20000
0
−20000
−40000
pull
Entries 84
Mean −160.4
Std Dev 220.7
3
2
1
0
−1
−2

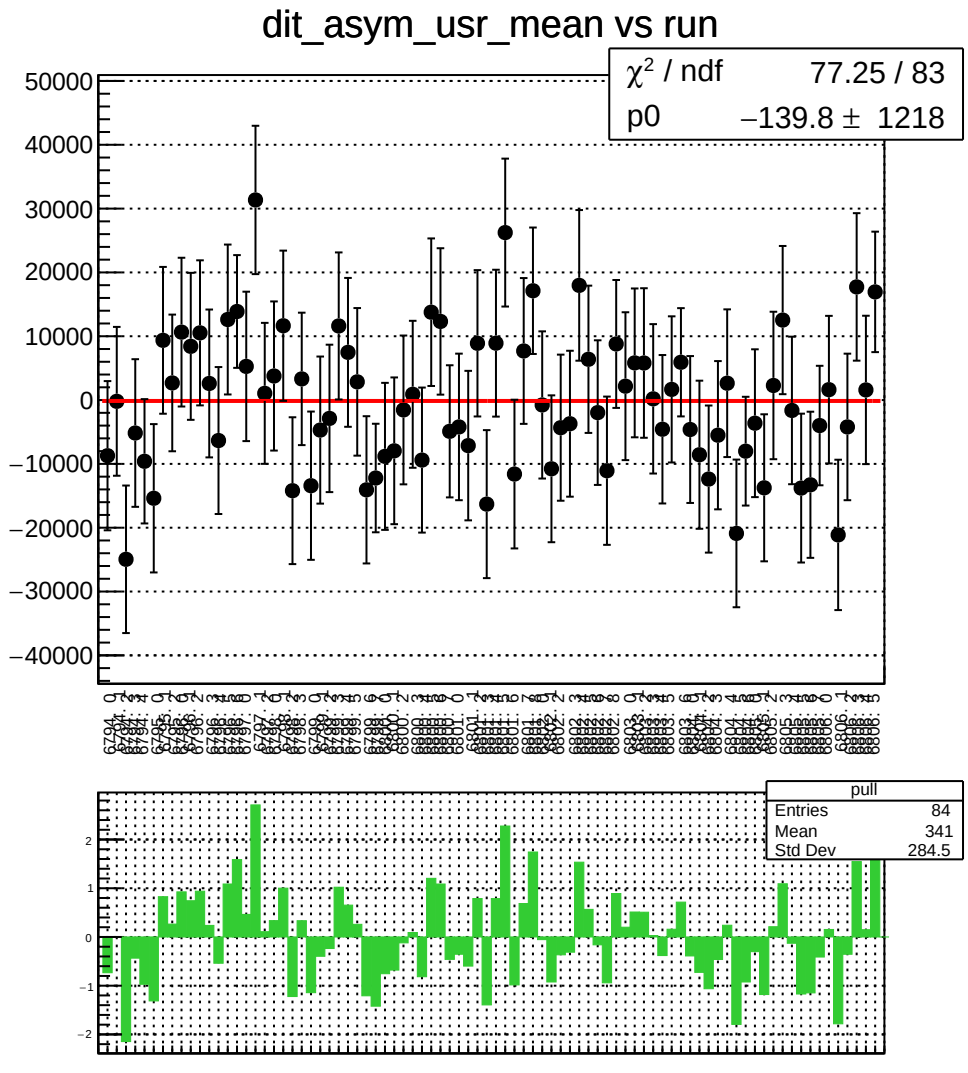

pull1D
Entries 84
Mean −0.0117
Std Dev 1.054
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

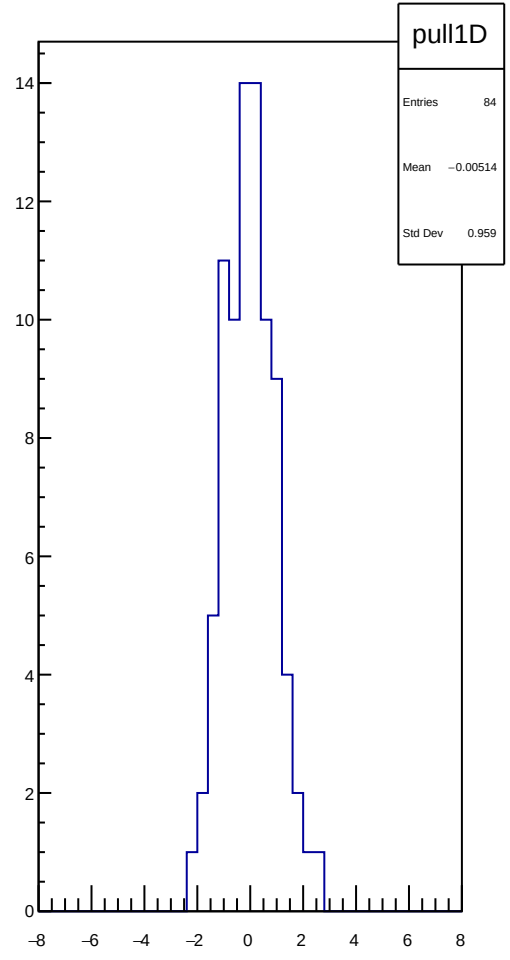

asym_usl_correction_rms vs run
χ² / ndf 4389 / 83
p0 1224 ± 0.9622
1400
1350
1300
1250
1200
1150
1100

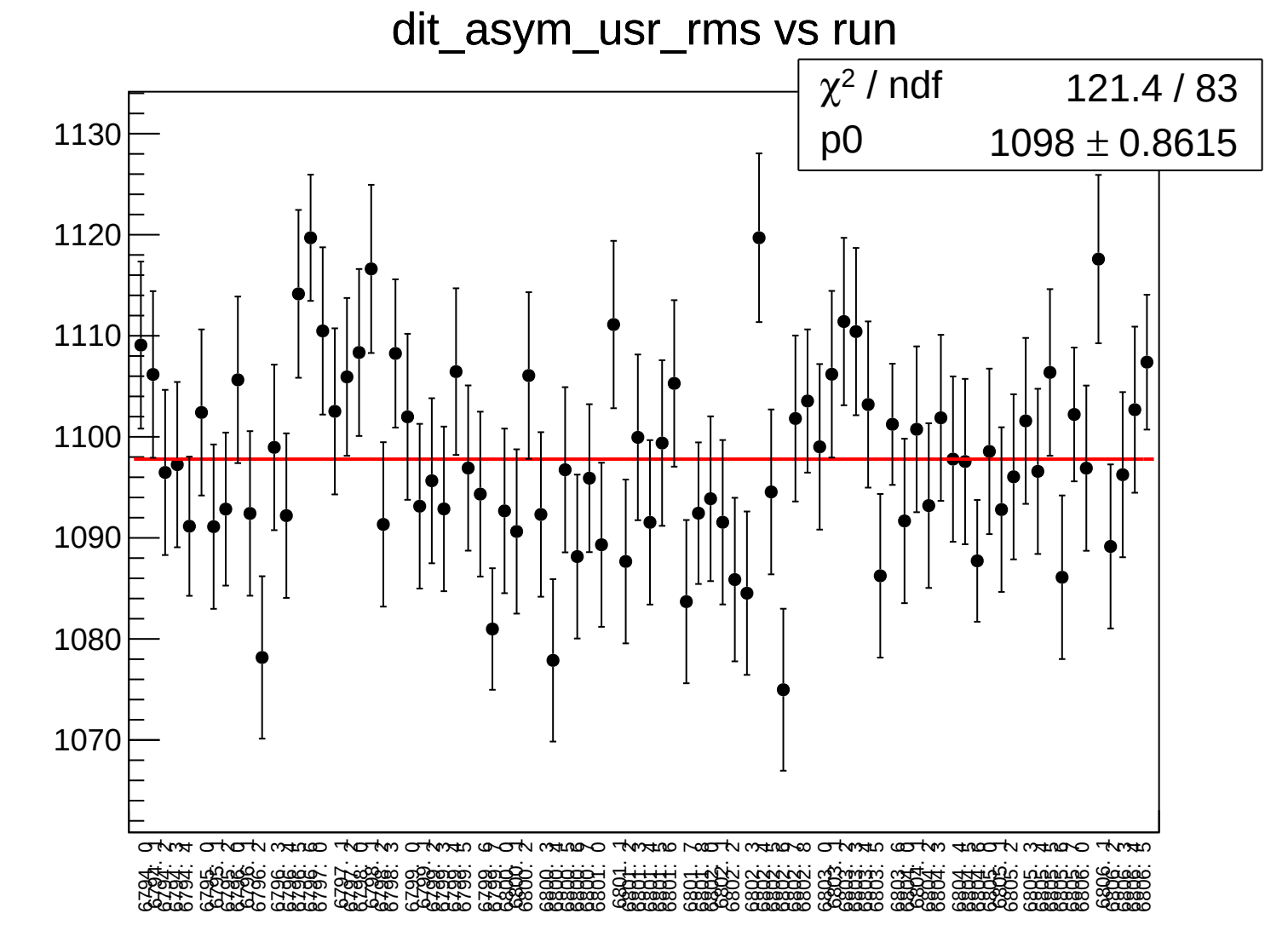

asym_usl_mean vs run
χ² / ndf 98.5 / 83
p0 970.9 ± 1833
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 84
Mean −899
Std Dev 953.4
2
1
0
−1
−2

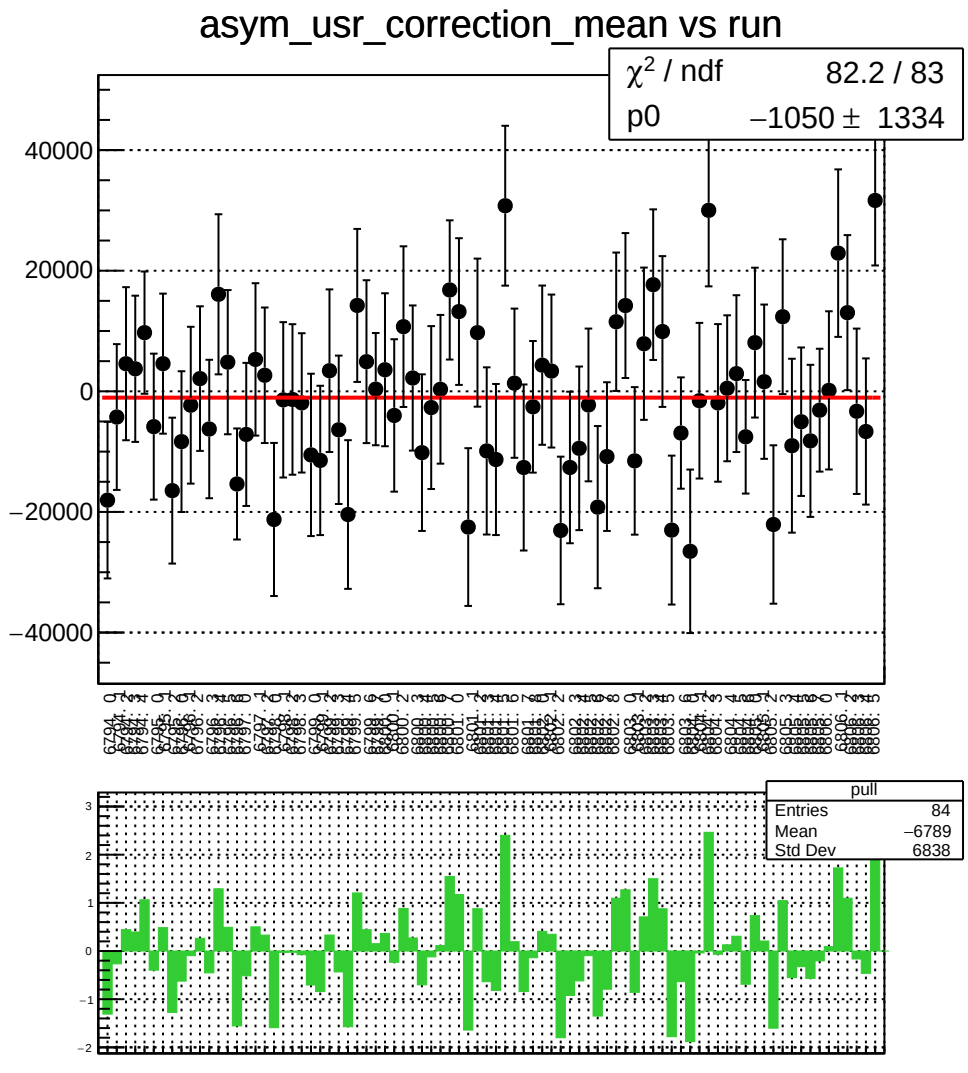

pull1D
Entries 84
Mean 0.00164
Std Dev 1.083
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

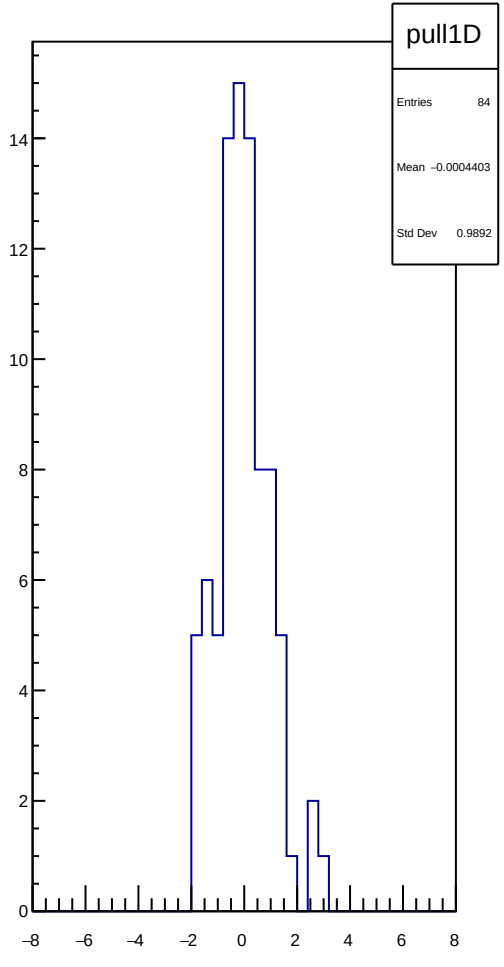

asym_usl_rms vs run
χ² / ndf 1766 / 83
p0 1651 ± 1.296
1850
1800
1750
1700
1650
1600
1550

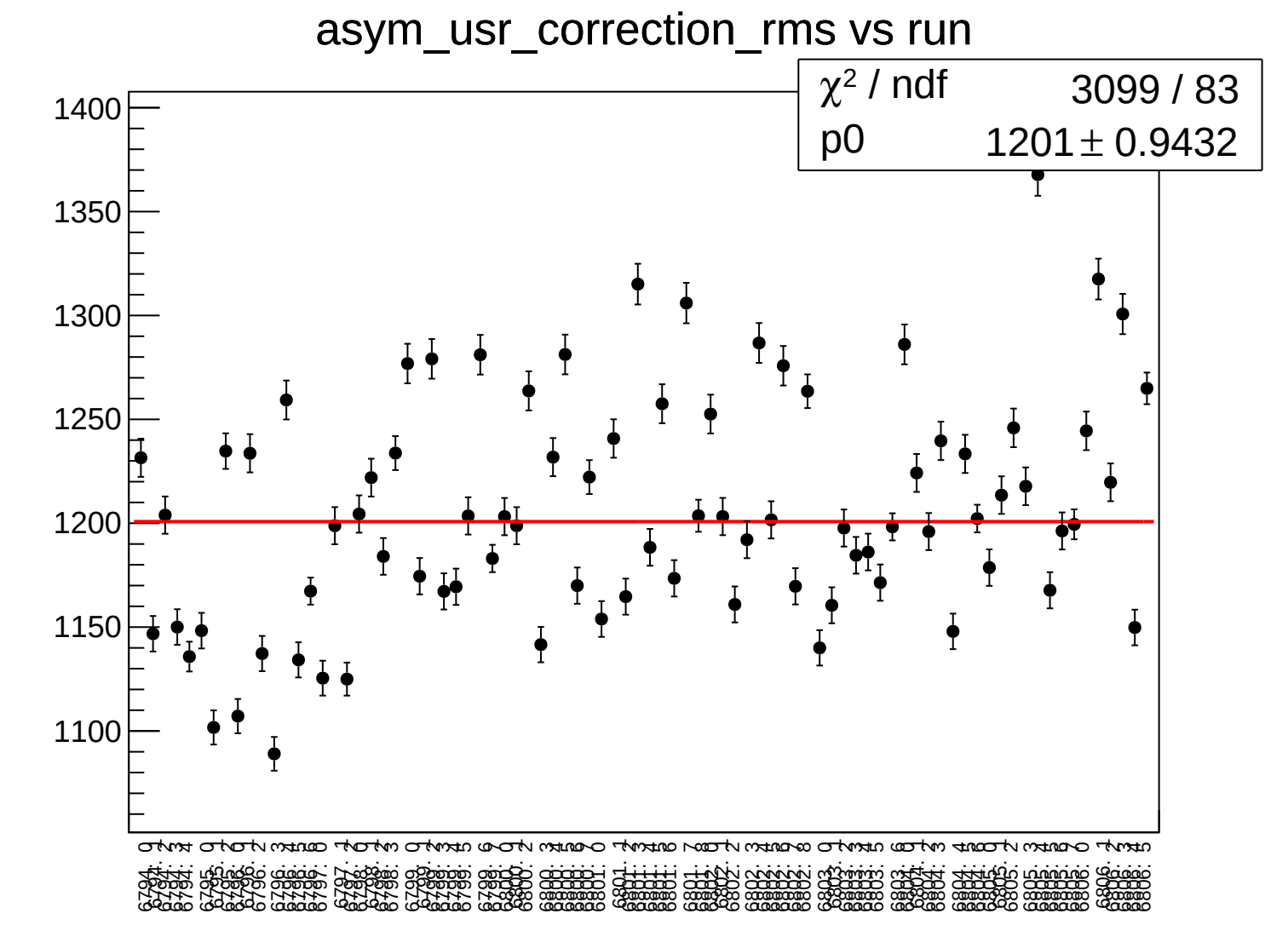

dit_asym_usr_mean vs run
χ² / ndf 77.25 / 83
p0 −139.8 ± 1218
pull
Entries 84
Mean 341
Std Dev 284.5

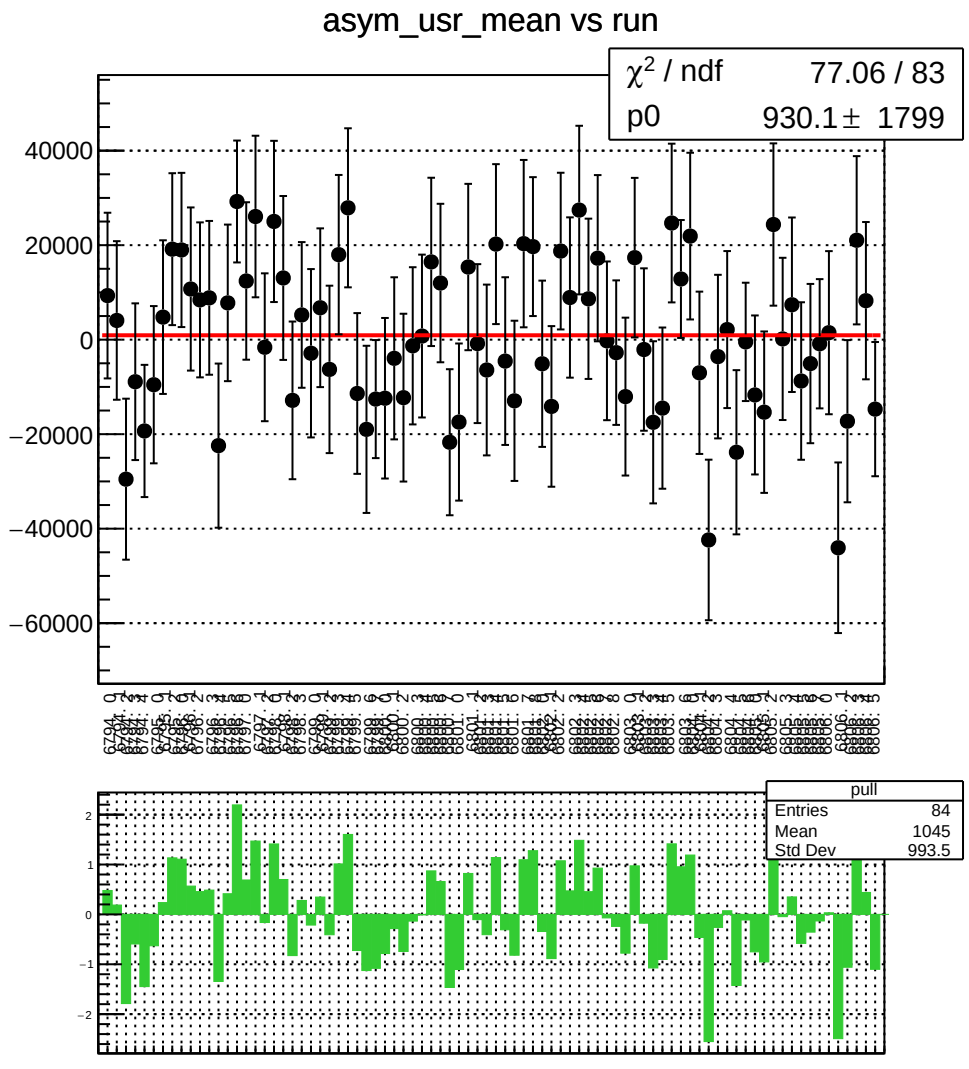

pull1D
Entries 84
Mean −0.00514
Std Dev 0.959

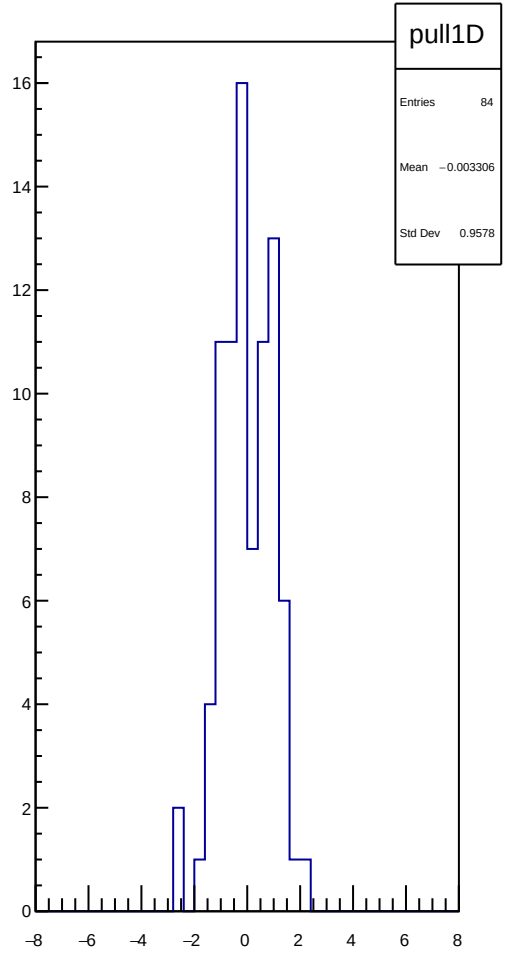

dit_asym_usr_rms vs run
χ² / ndf 121.4 / 83
p0 1098 ± 0.8615
1130
1120
1110
1100
1090
1080
1070

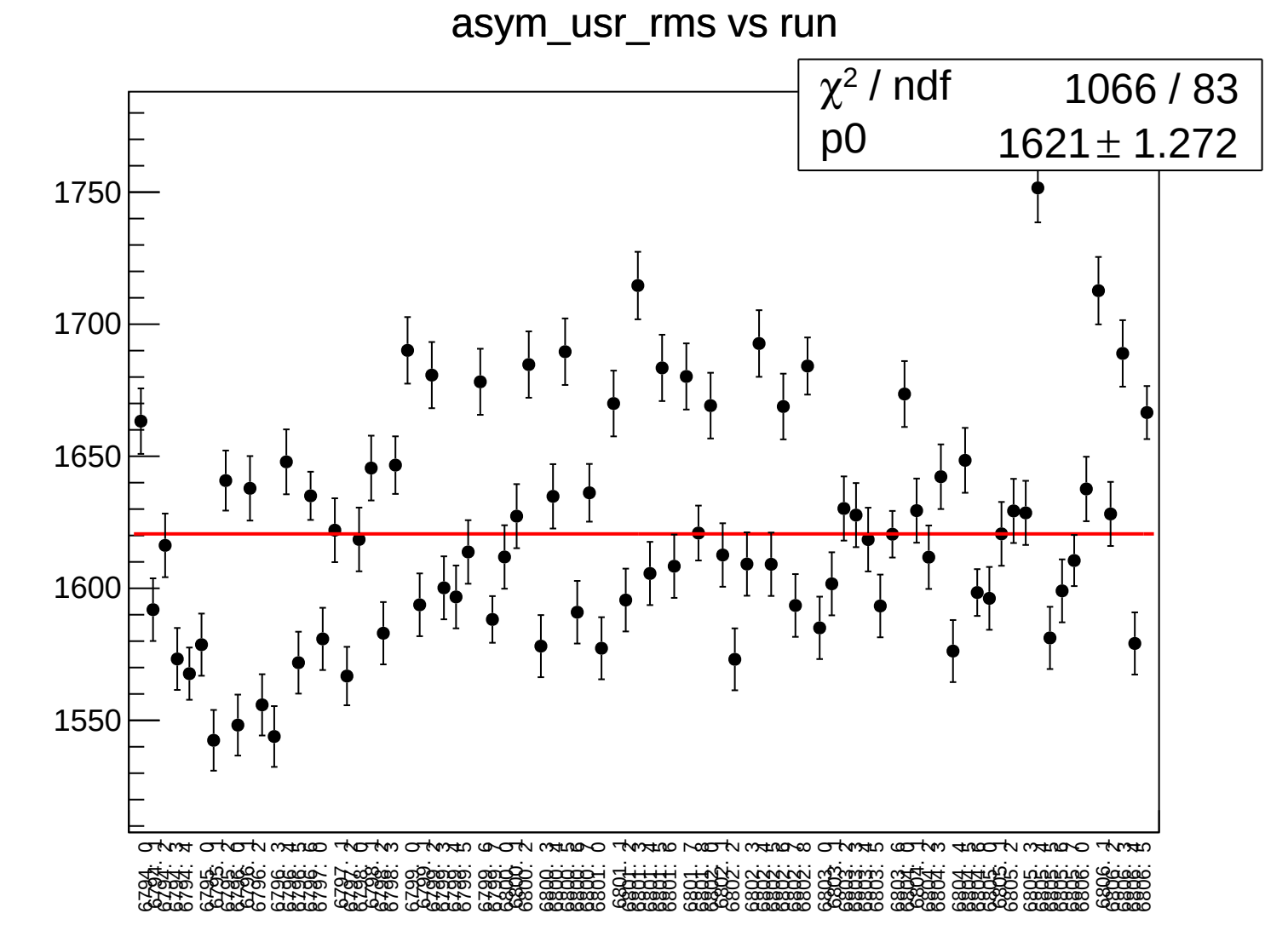

asym_usr_correction_mean vs run
χ² / ndf 82.2 / 83
p0 −1050 ± 1334
40000
20000
0
−20000
−40000
pull
Entries 84
Mean −6789
Std Dev 6838
3
2
1
0
−1
−2

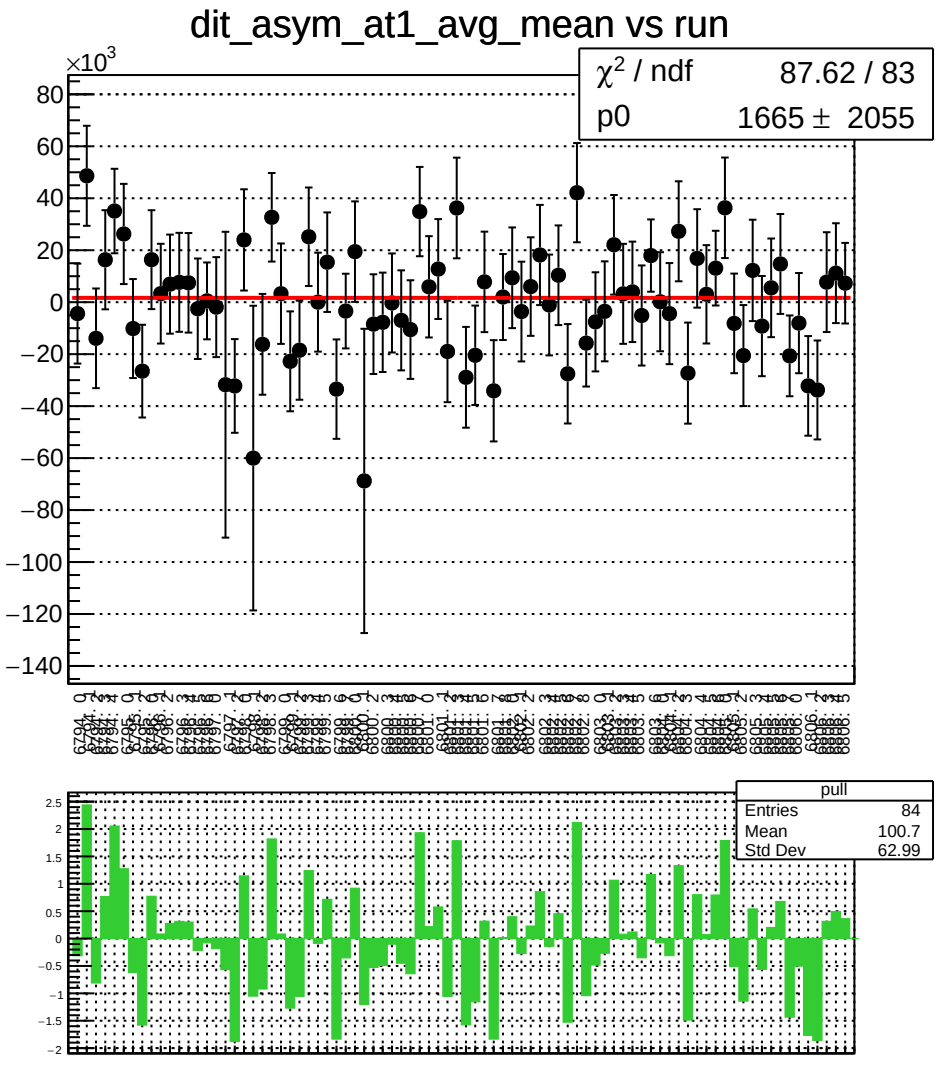

pull1D
Entries 84
Mean −0.0004403
Std Dev 0.9892
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

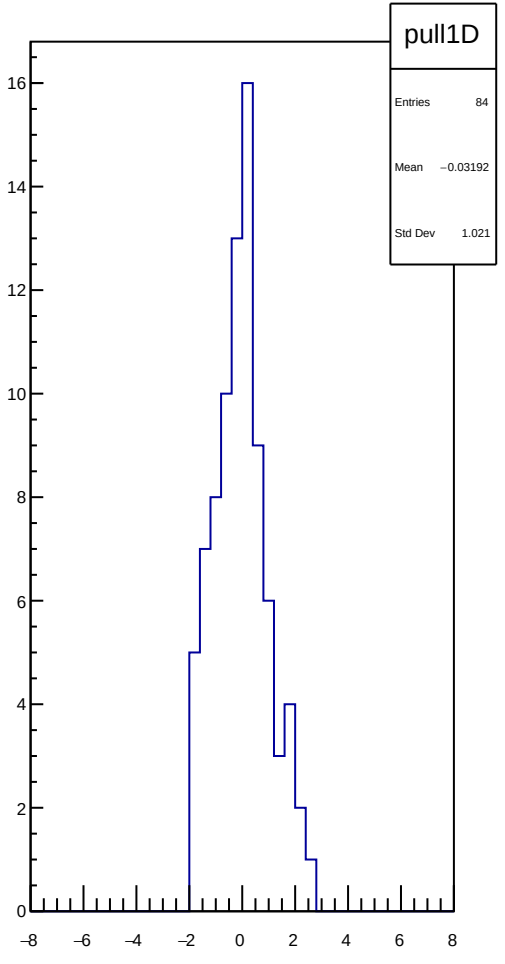

asym_usr_correction_rms vs run
χ² / ndf 3099 / 83
p0 1201 ± 0.9432
1400
1350
1300
1250
1200
1150
1100

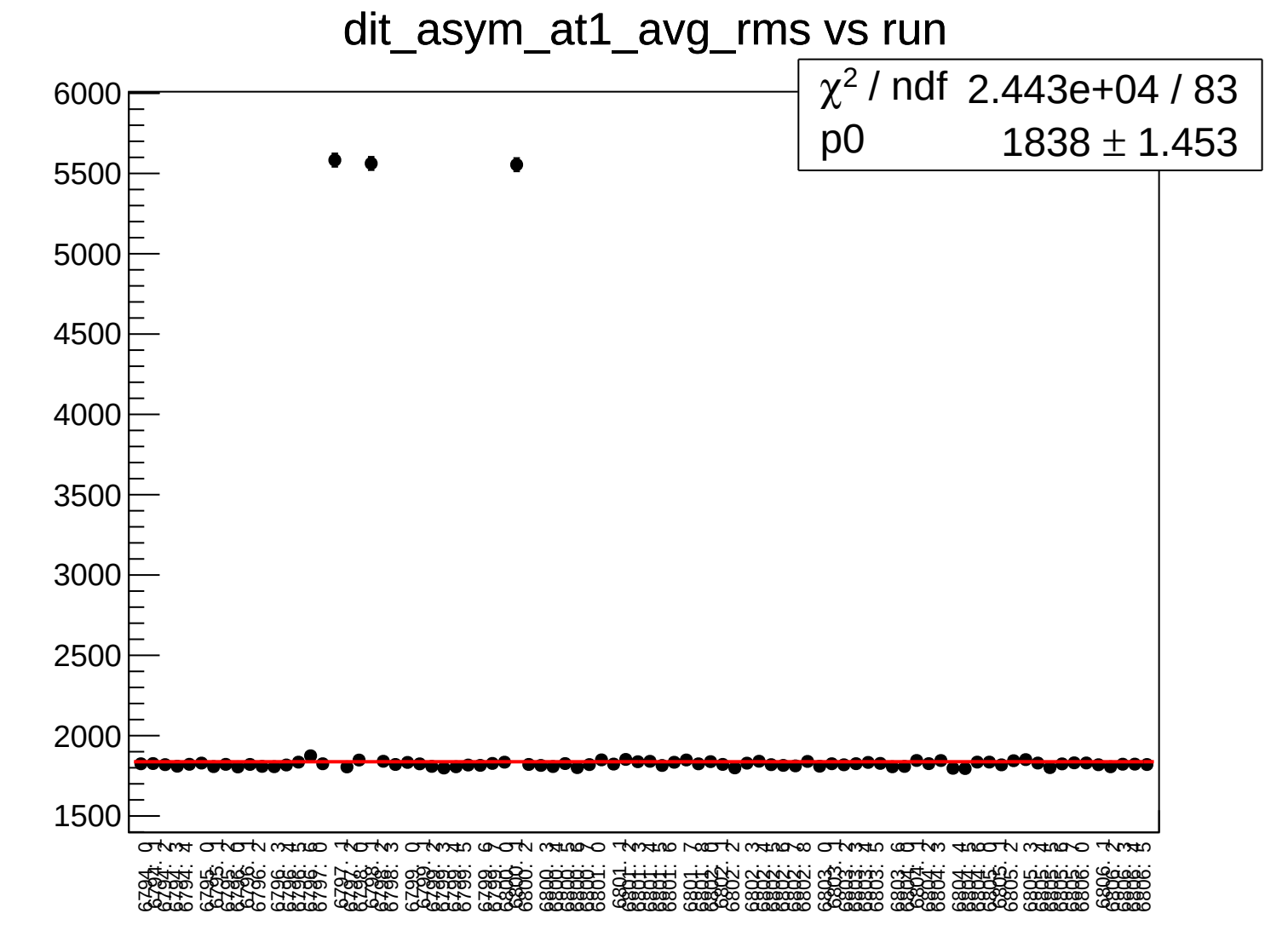

asym_usr_mean vs run
χ² / ndf 77.06 / 83
p0 930.1 ± 1799
40000
20000
0
−20000
−40000
−60000
pull
Entries 84
Mean 1045
Std Dev 993.5
2
1
0
−1
−2

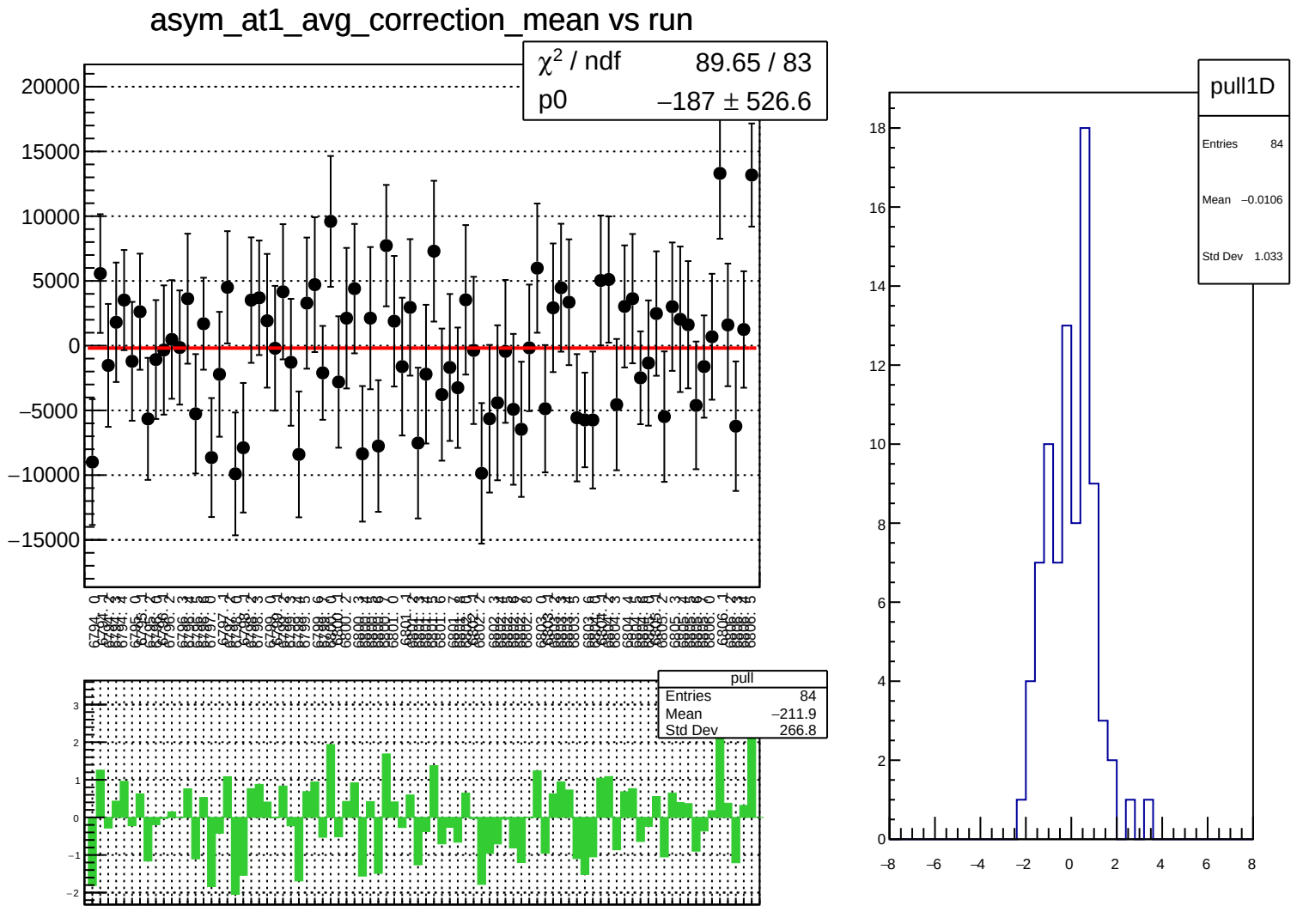

pull1D
Entries 84
Mean −0.003306
Std Dev 0.9578
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

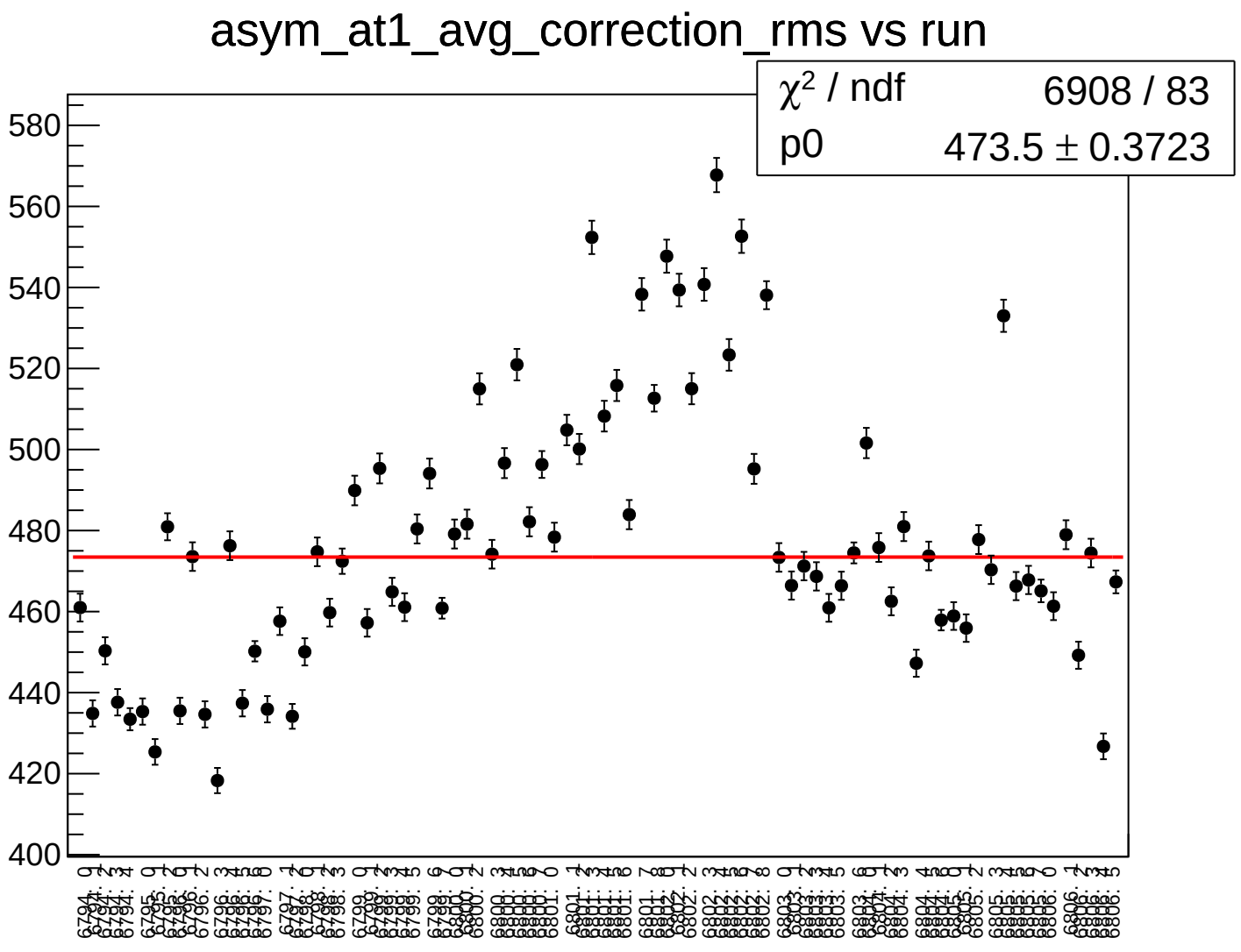

asym_usr_rms vs run
χ² / ndf 1066 / 83
p0 1621 ± 1.272
1750
1700
1650
1600
1550

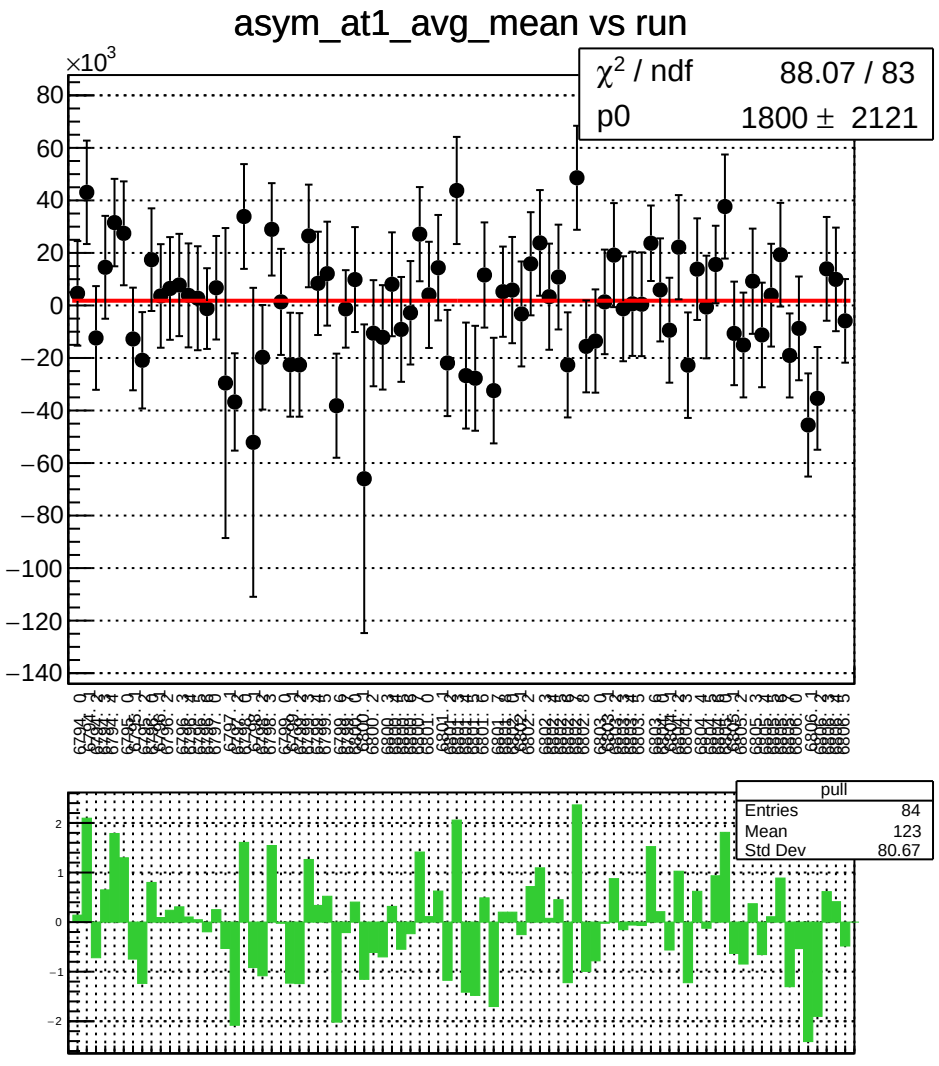

dit_asym_at1_avg_mean vs run
×10^3
χ^2 / ndf 87.62 / 83
p0 1665 ± 2055
pull
Entries 84
Mean 100.7
Std Dev 62.99

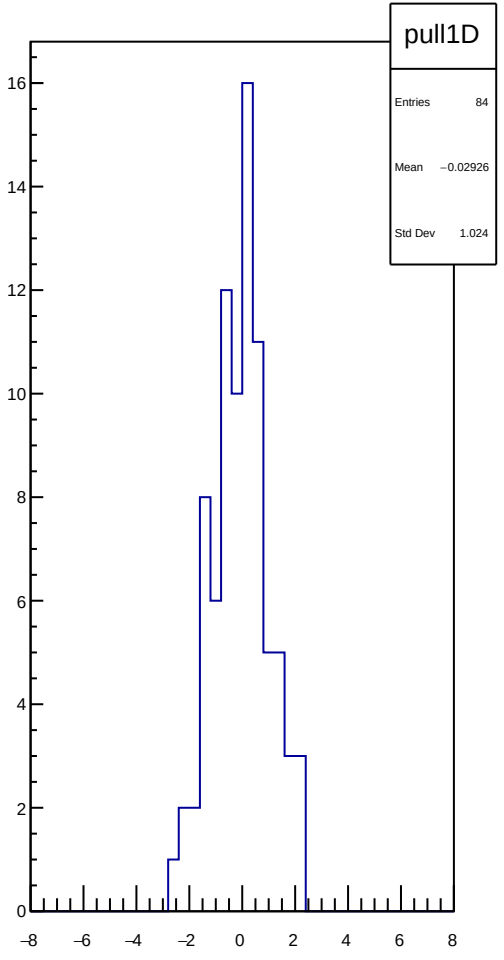

pull1D
Entries 84
Mean −0.03192
Std Dev 1.021

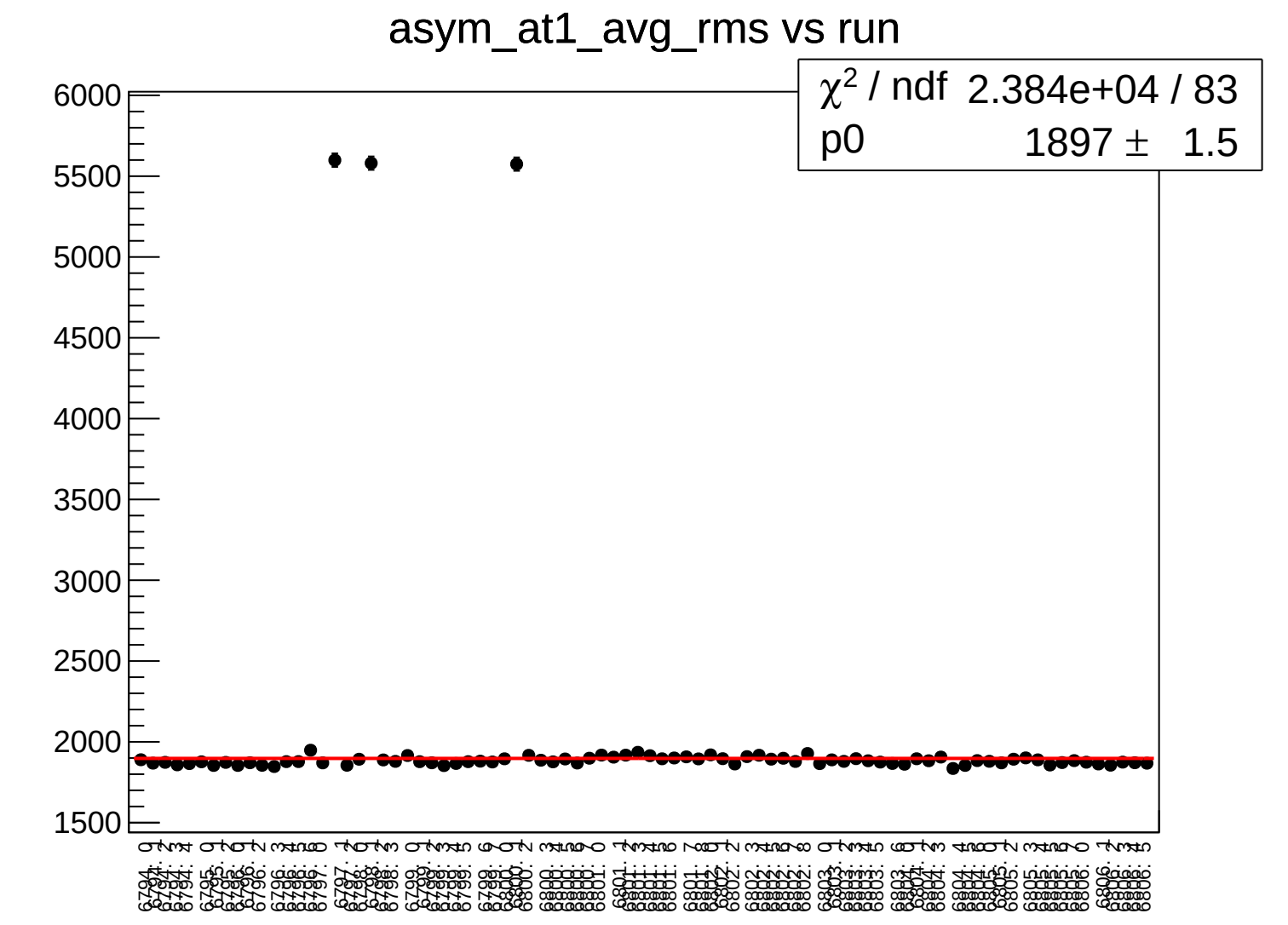

dit_asym_at1_avg_rms vs run
χ^2 / ndf 2.443e+04 / 83
p0 1838 ± 1.453
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

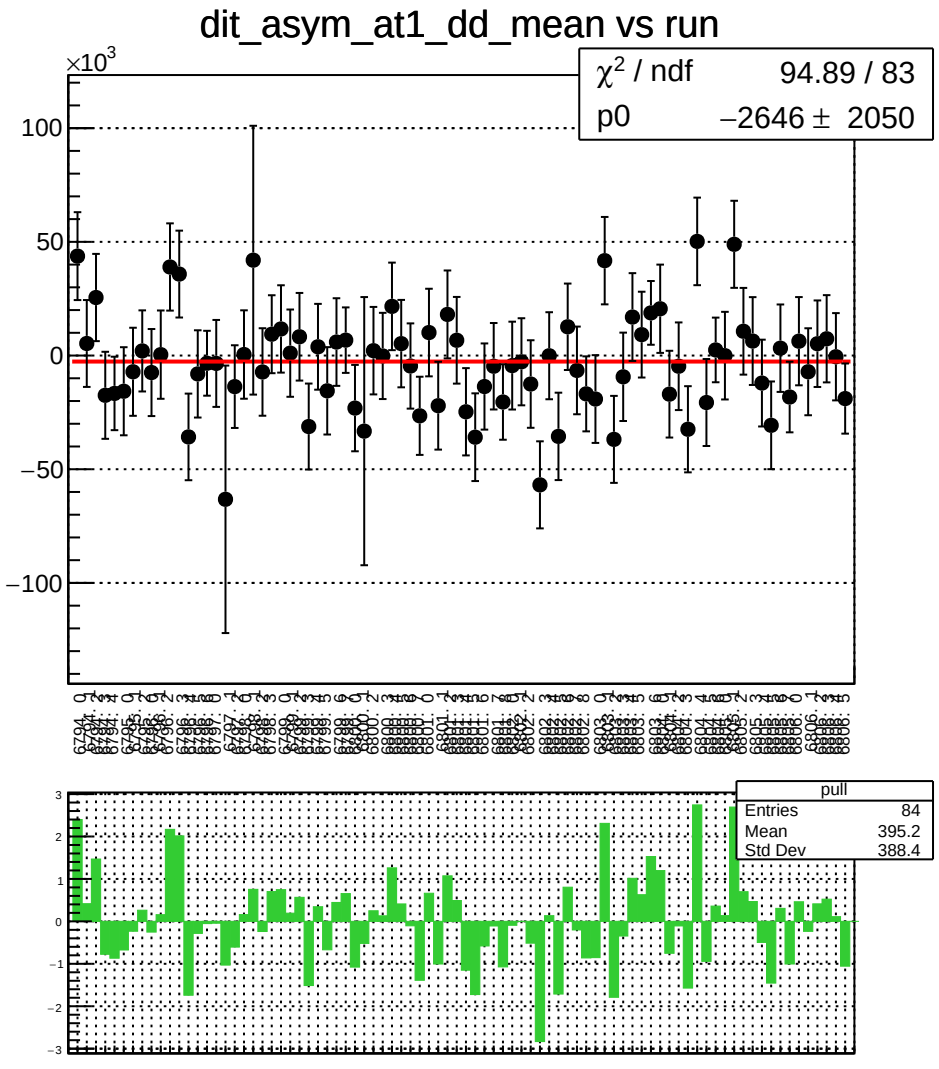

asym_at1_avg_correction_mean vs run
χ² / ndf 89.65 / 83
p0 −187 ± 526.6
20000
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean −211.9
Std Dev 266.8
3
2
1
0
−1
−2
pull1D
Entries 84
Mean −0.0106
Std Dev 1.033
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

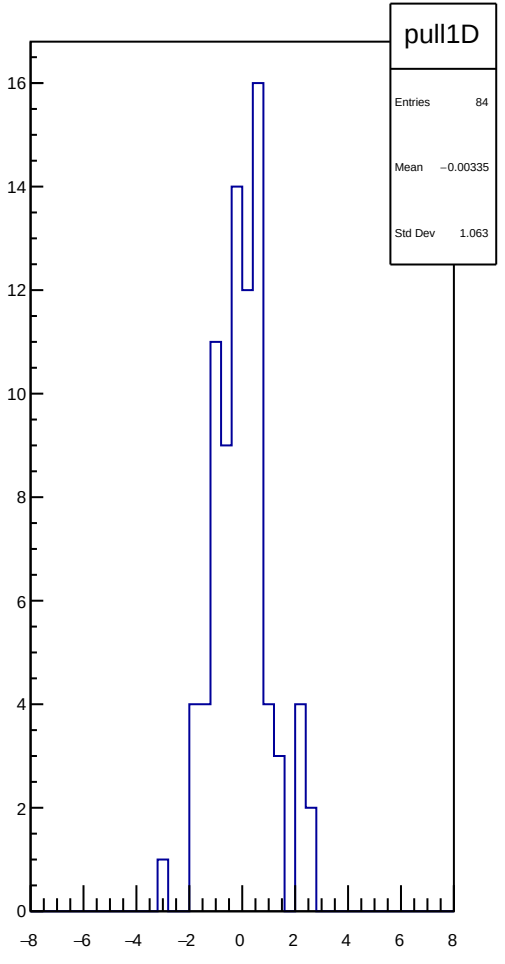

asym_at1_avg_correction_rms vs run
χ² / ndf 6908 / 83
p0 473.5 ± 0.3723
580
560
540
520
500
480
460
440
420
400

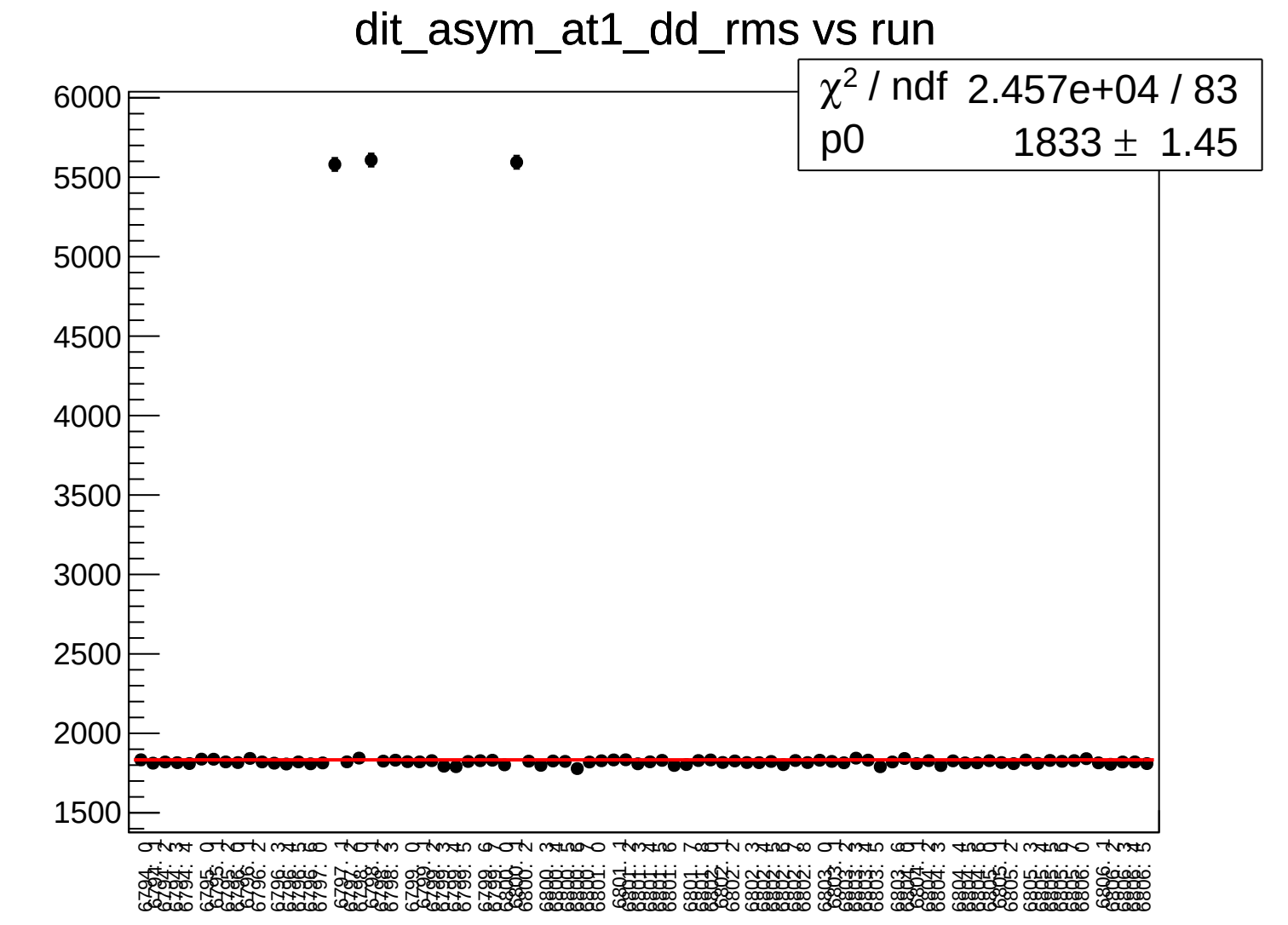

asym_at1_avg_mean vs run
×10^3
χ^2 / ndf 88.07 / 83
p0 1800 ± 2121
pull
Entries 84
Mean 123
Std Dev 80.67

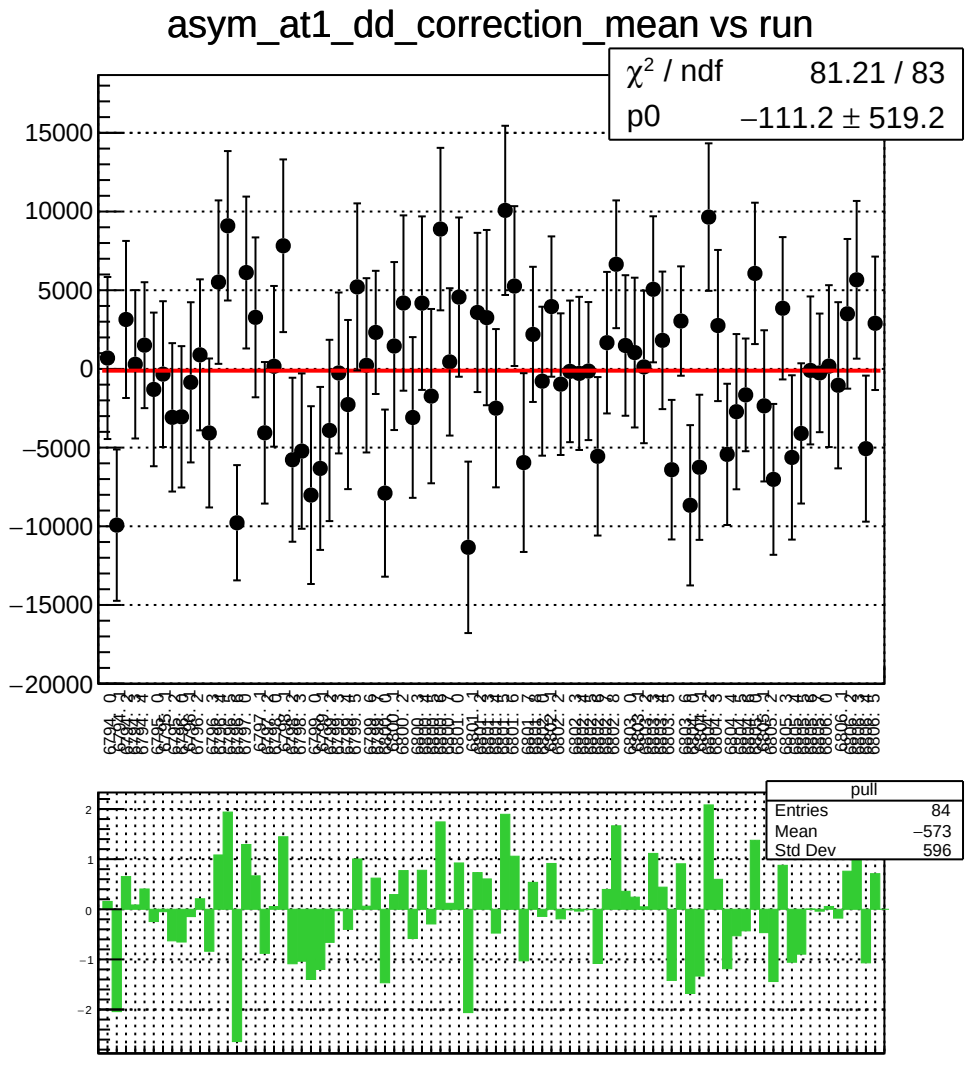

pull1D
Entries 84
Mean −0.02926
Std Dev 1.024

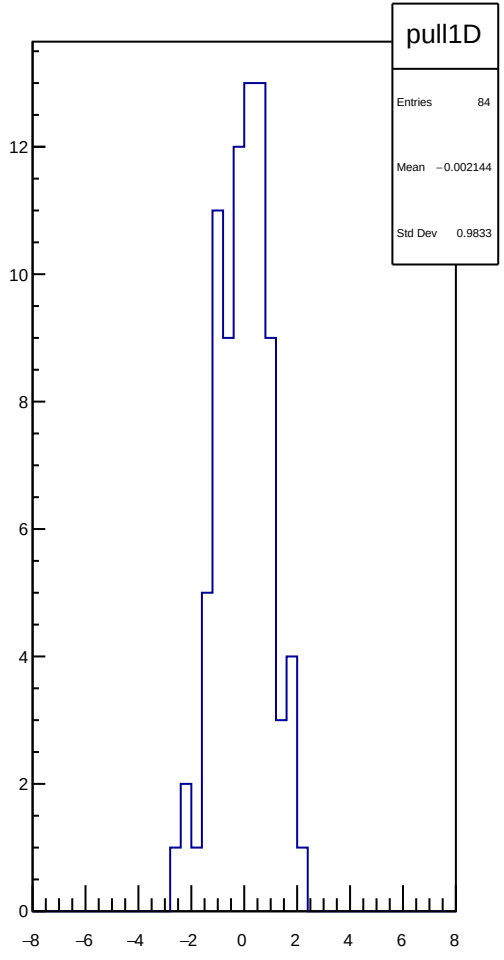

asym_at1_avg_rms vs run
χ² / ndf 2.384e+04 / 83
p0 1897 ± 1.5
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

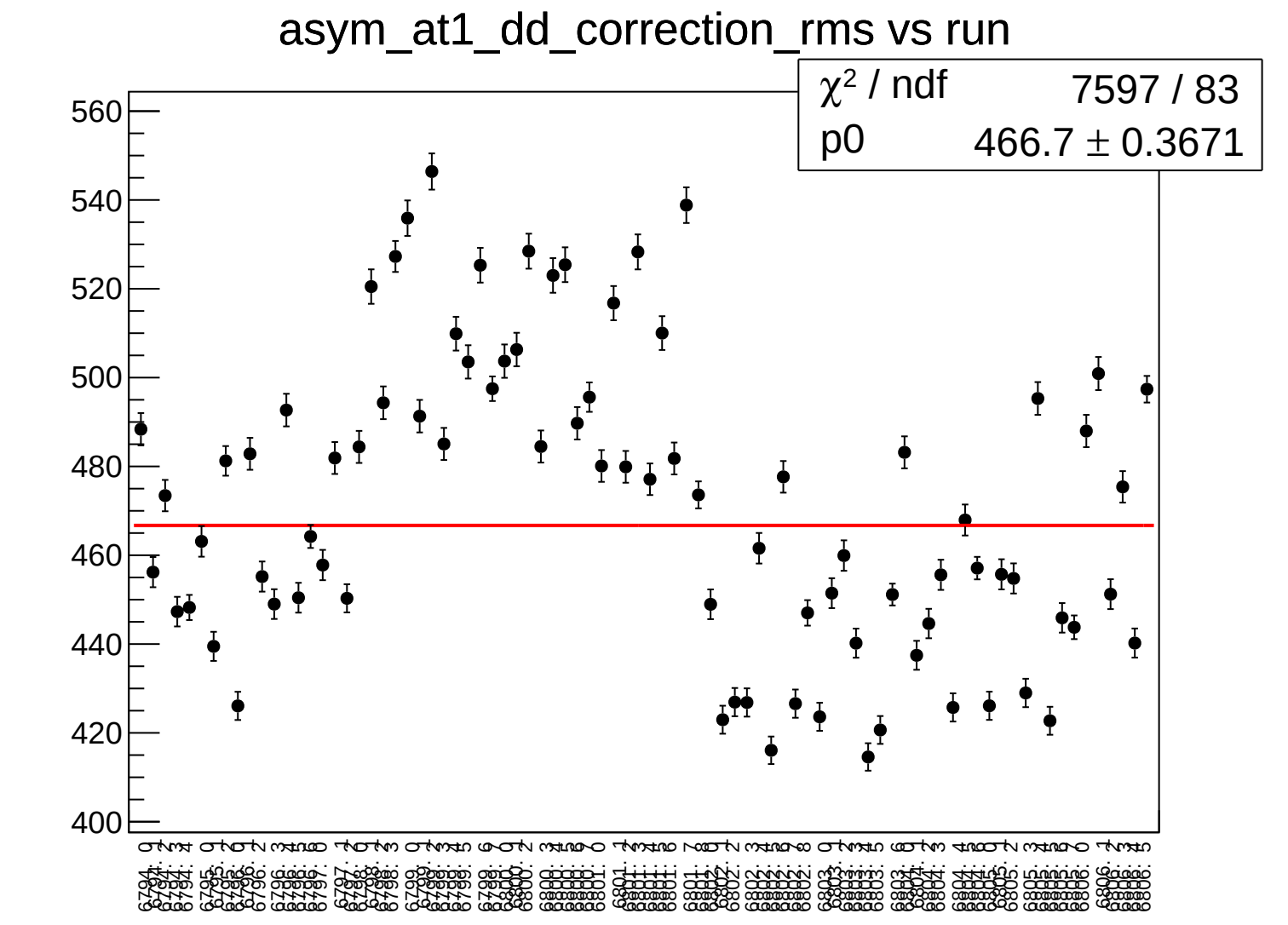

dit_asym_at1_dd_mean vs run
×10^3
χ² / ndf 94.89 / 83
p0 −2646 ± 2050
100
50
0
−50
−100
pull
Entries 84
Mean 395.2
Std Dev 388.4
3
2
1
0
−1
−2
−3

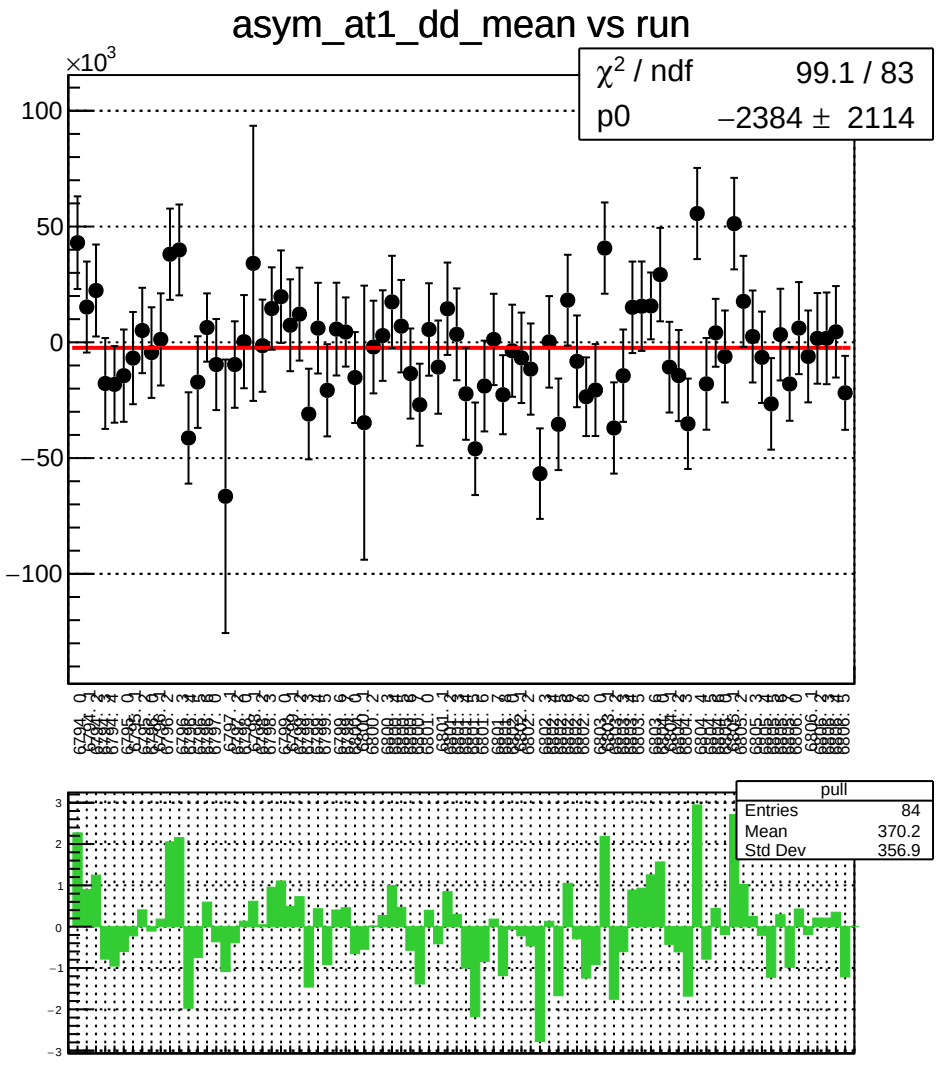

pull1D
Entries 84
Mean −0.00335
Std Dev 1.063
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

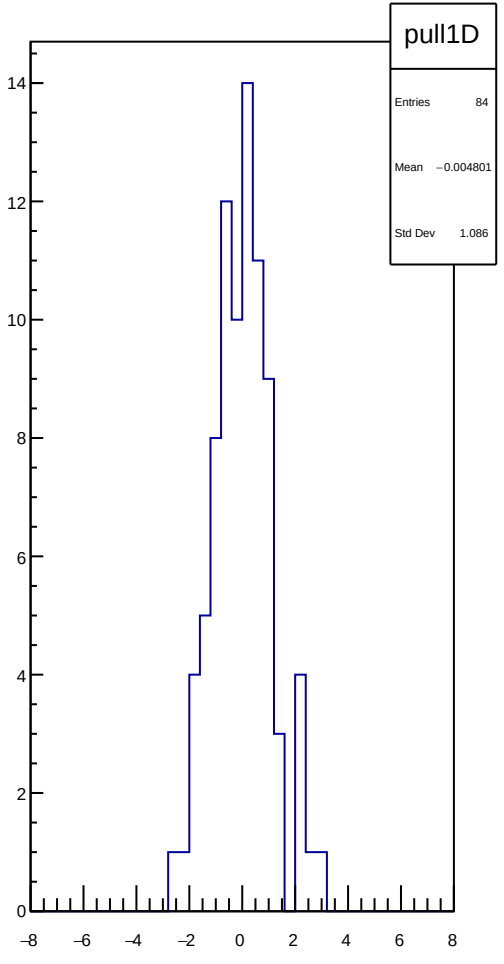

dit_asym_at1_dd_rms vs run
χ² / ndf 2.457e+04 / 83
p0 1833 ± 1.45
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

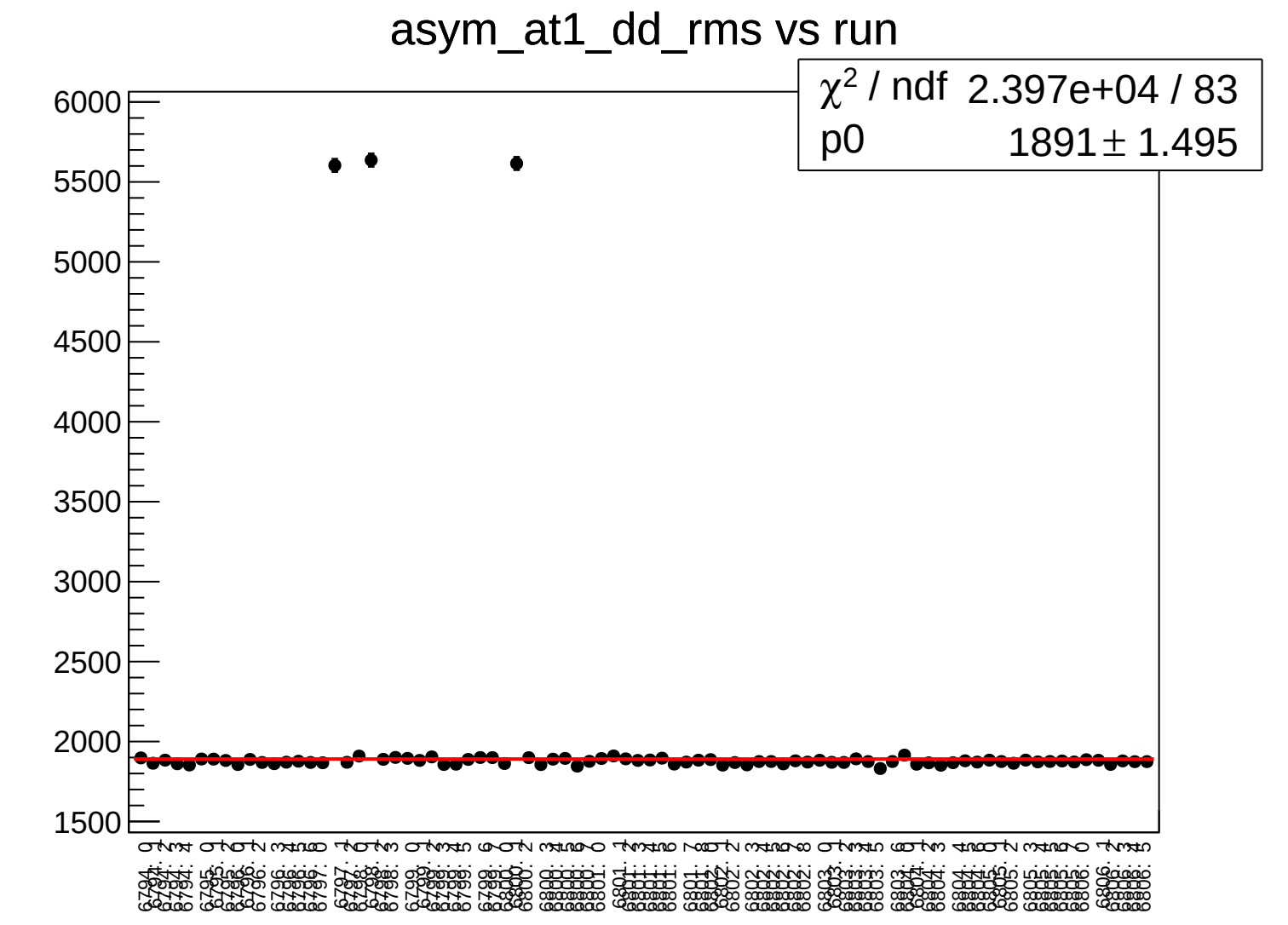

asym_at1_dd_correction_mean vs run
χ² / ndf 81.21 / 83
p0 −111.2 ± 519.2
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 84
Mean −573
Std Dev 596
2
1
0
−1
−2

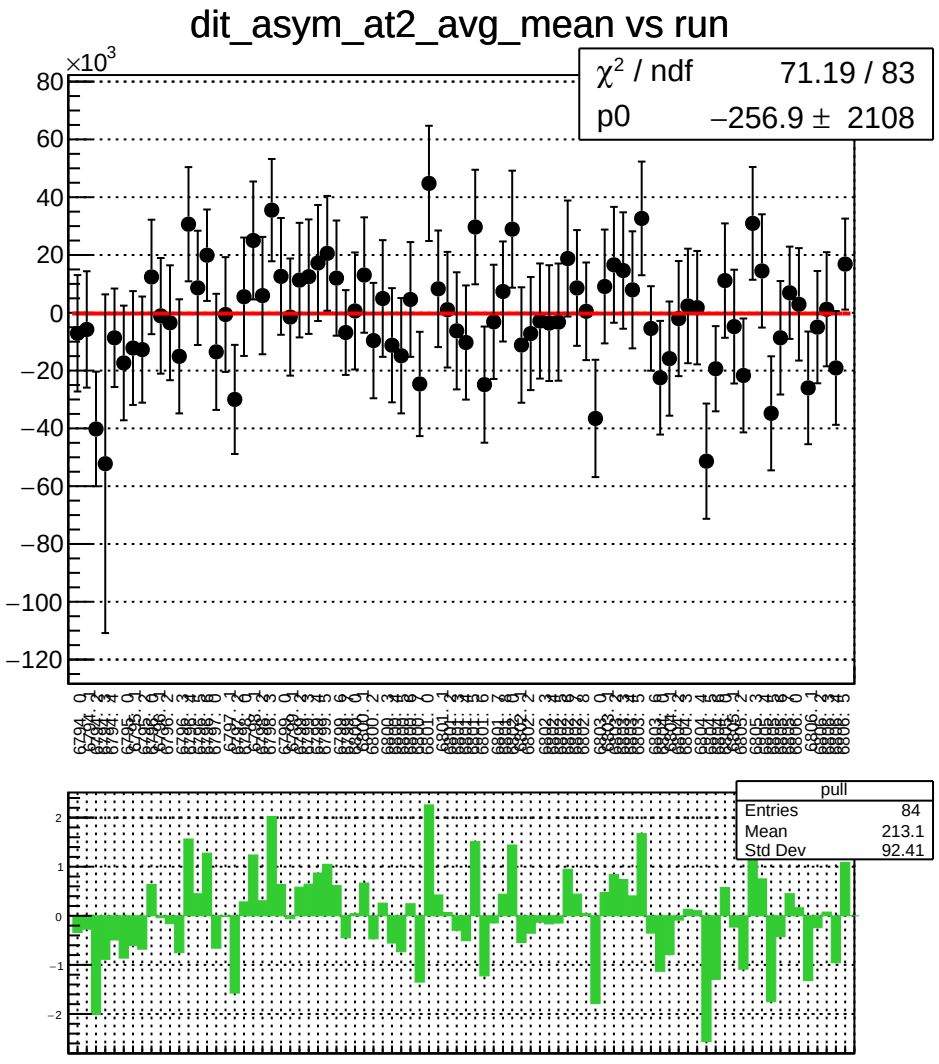

pull1D
Entries 84
Mean −0.002144
Std Dev 0.9833
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

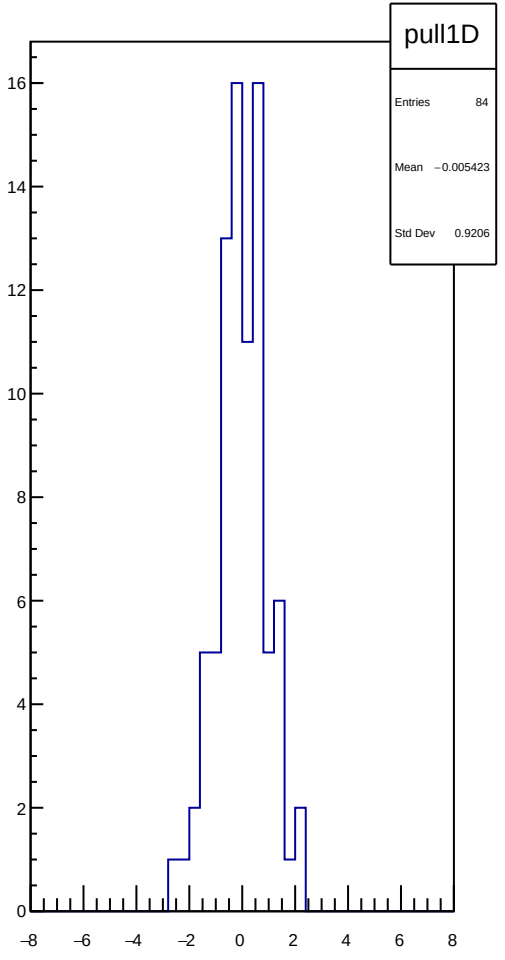

asym_at1_dd_correction_rms vs run
χ² / ndf 7597 / 83
p0 466.7 ± 0.3671
560
540
520
500
480
460
440
420
400

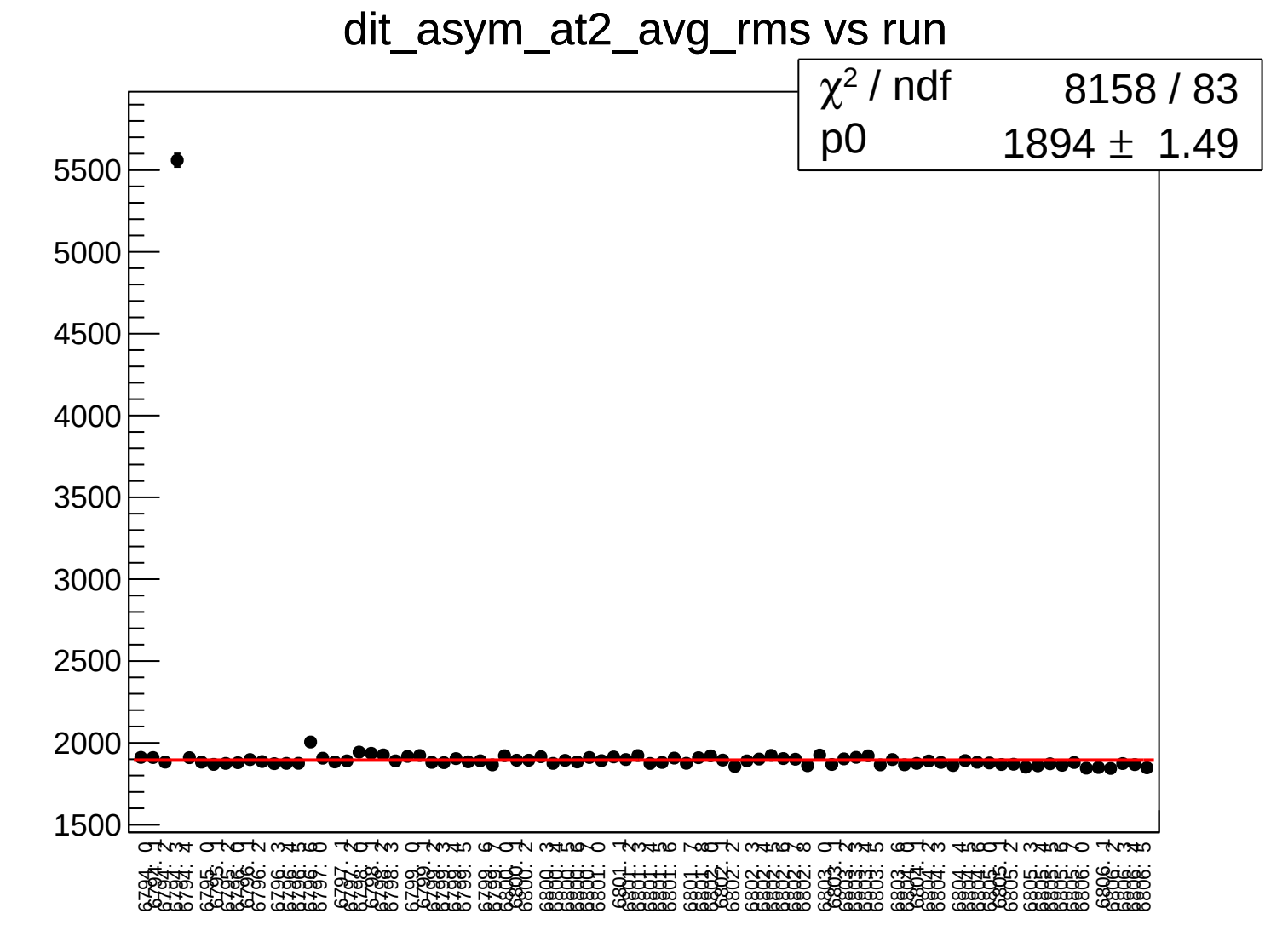

asym_at1_dd_mean vs run
×10^3
χ² / ndf 99.1 / 83
p0 −2384 ± 2114
100
50
0
−50
−100
pull
Entries 84
Mean 370.2
Std Dev 356.9
3
2
1
0
−1
−2
−3

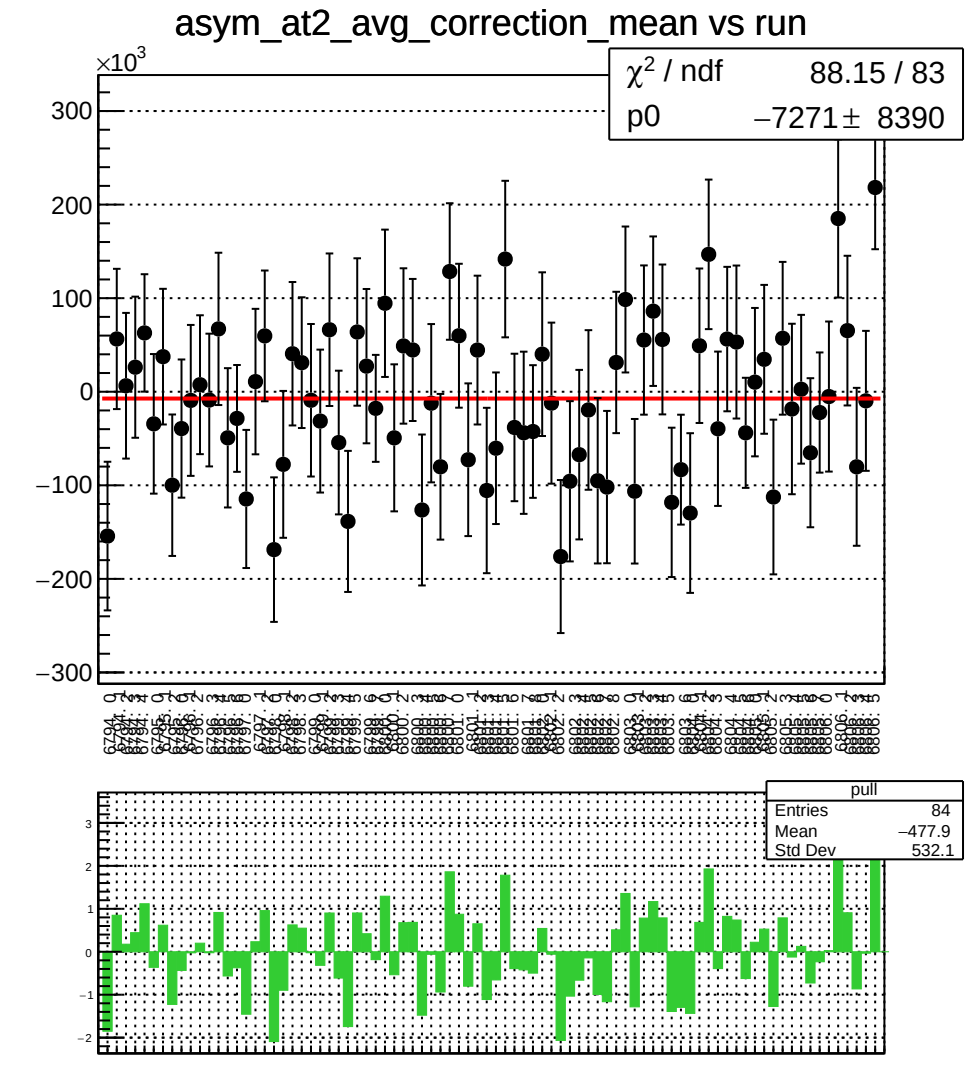

pull1D
Entries 84
Mean −0.004801
Std Dev 1.086
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

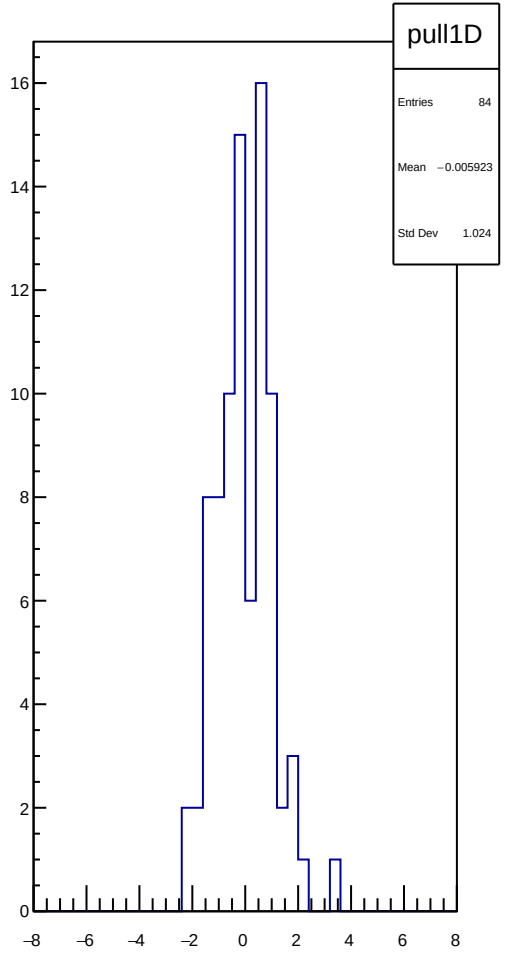

asym_at1_dd_rms vs run
χ² / ndf 2.397e+04 / 83
p0 1891 ± 1.495
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

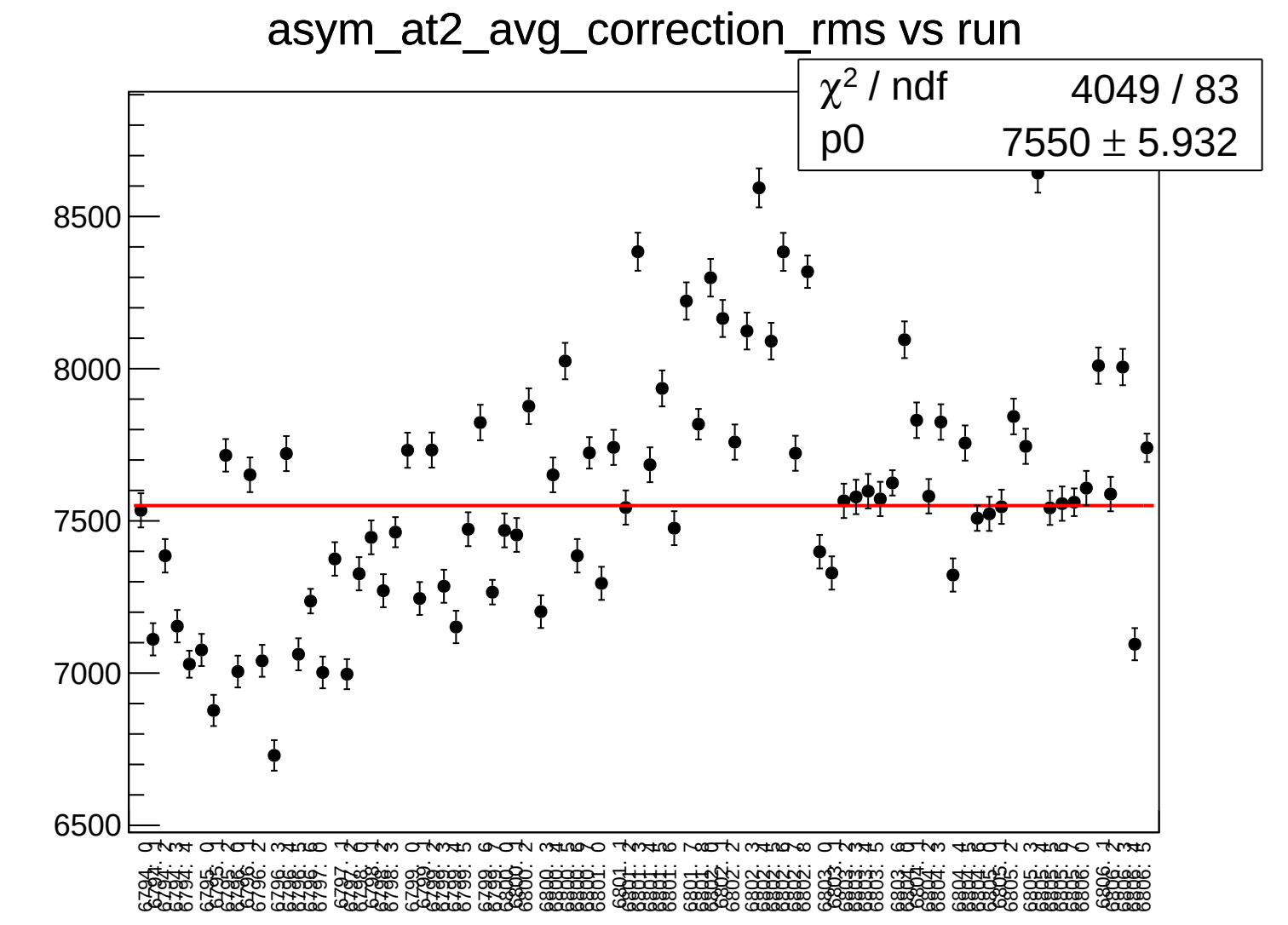

dit_asym_at2_avg_mean vs run
χ² / ndf 71.19 / 83
p0 −256.9 ± 2108
×10³
pull
Entries 84
Mean 213.1
Std Dev 92.41

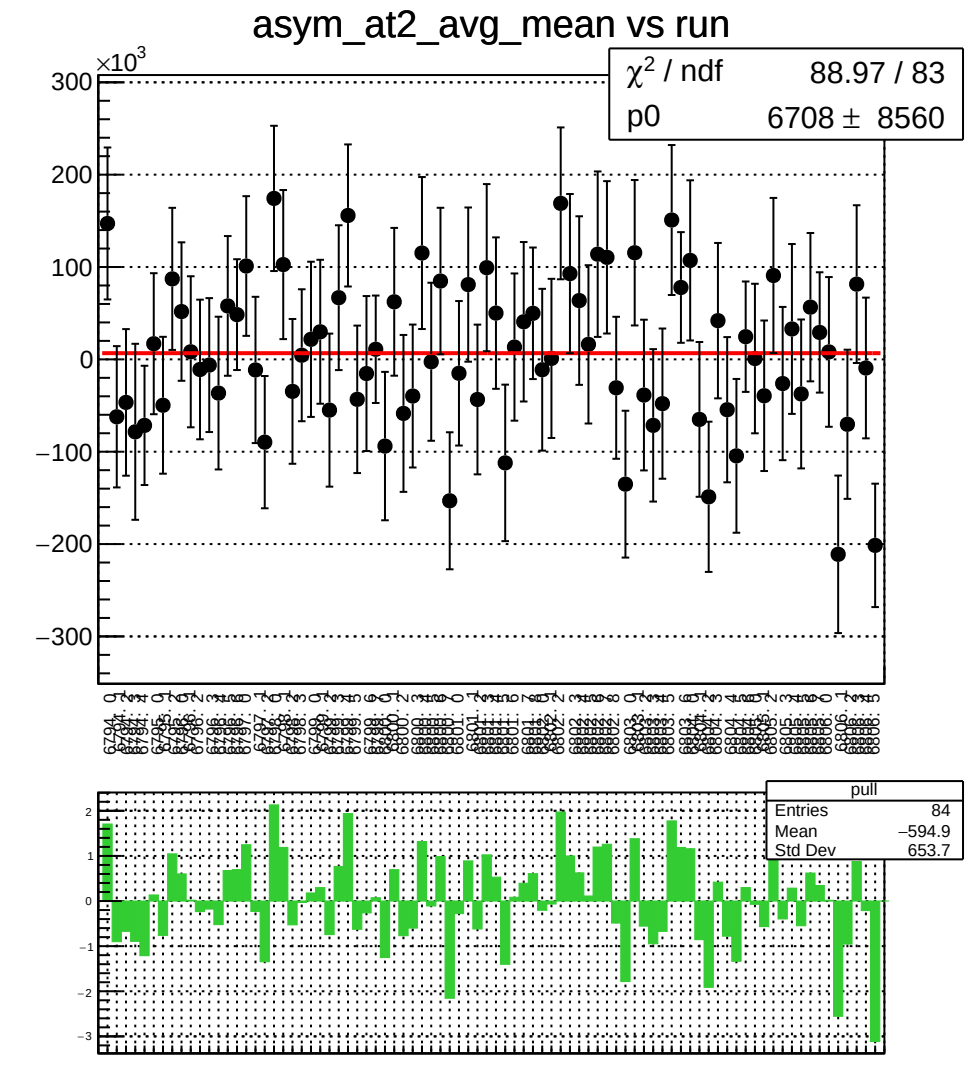

pull1D
Entries 84
Mean −0.005423
Std Dev 0.9206

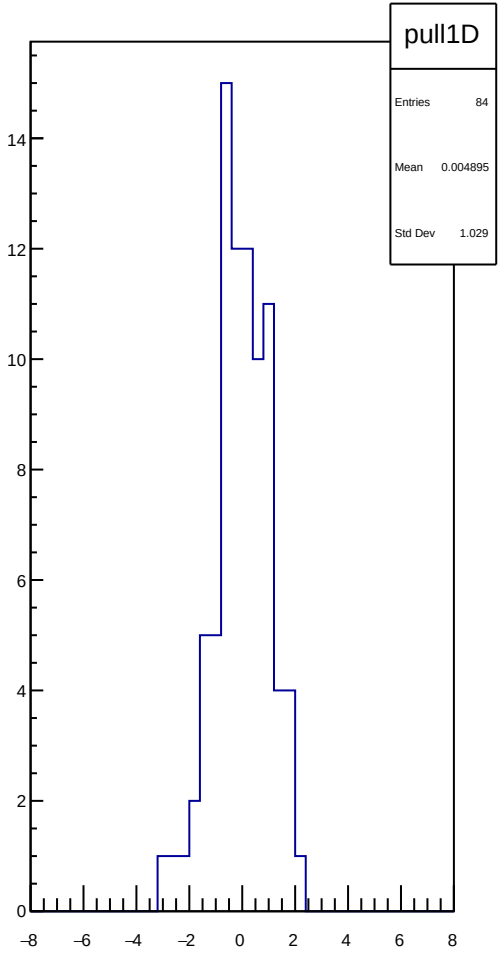

dit_asym_at2_avg_rms vs run
χ² / ndf 8158 / 83
p0 1894 ± 1.49
5500
5000
4500
4000
3500
3000
2500
2000
1500

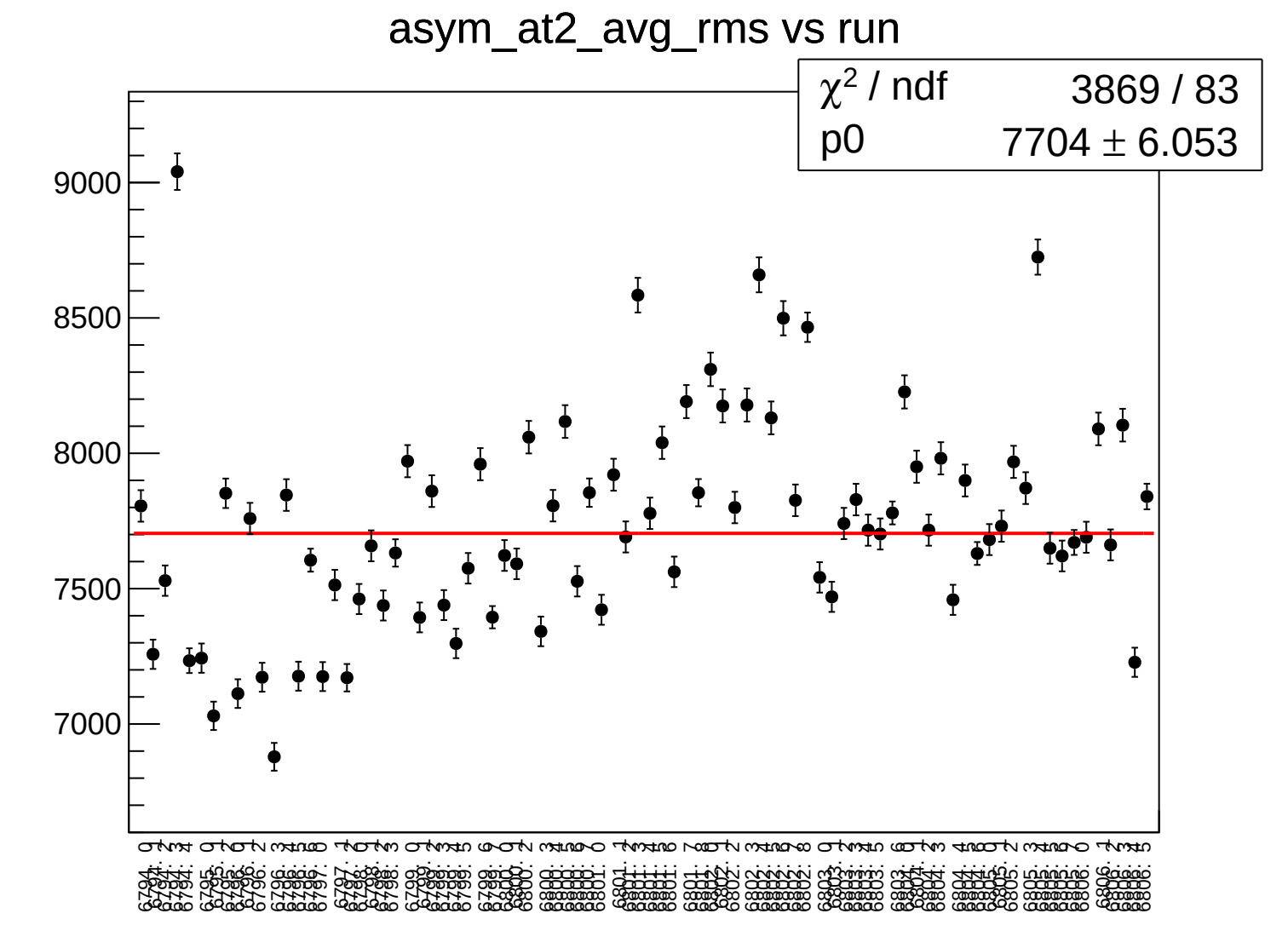

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 88.15 / 83
p0 −7271 ± 8390
300
200
100
0
−100
−200
−300
pull
Entries 84
Mean −477.9
Std Dev 532.1
3
2
1
0
−1
−2

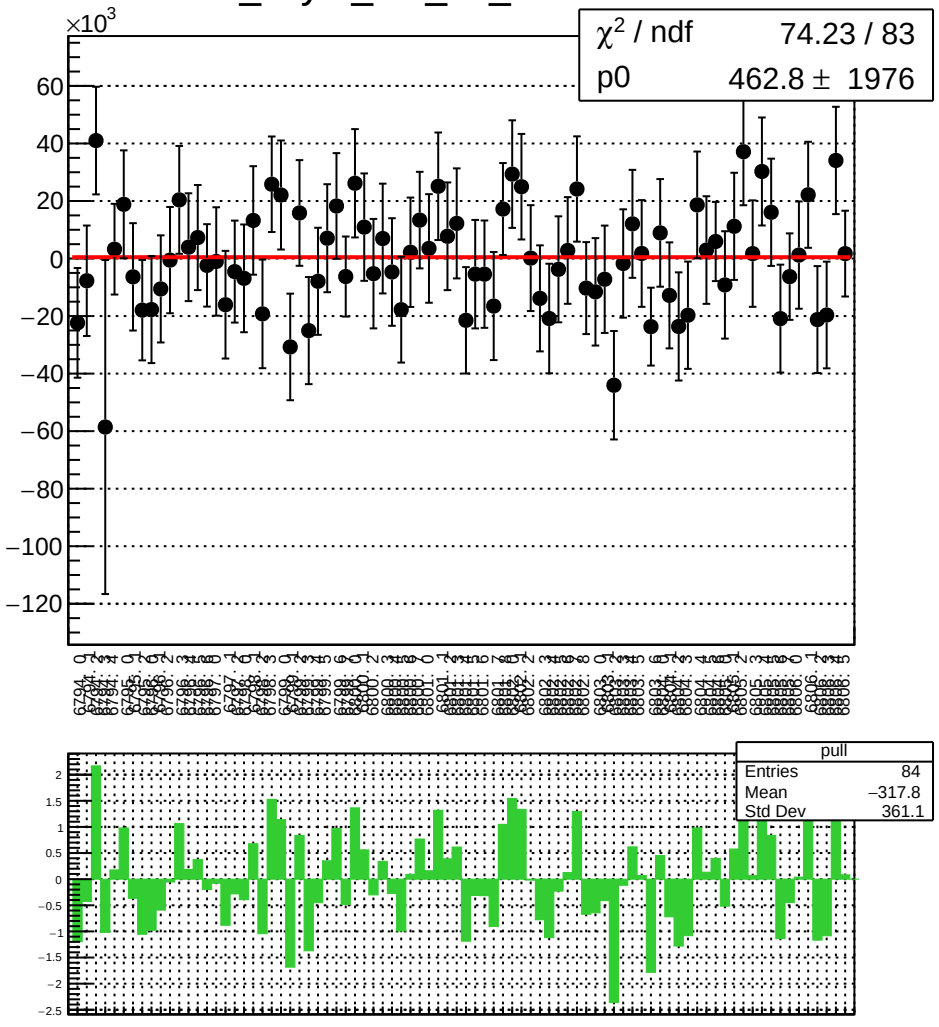

pull1D
Entries 84
Mean −0.005923
Std Dev 1.024
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

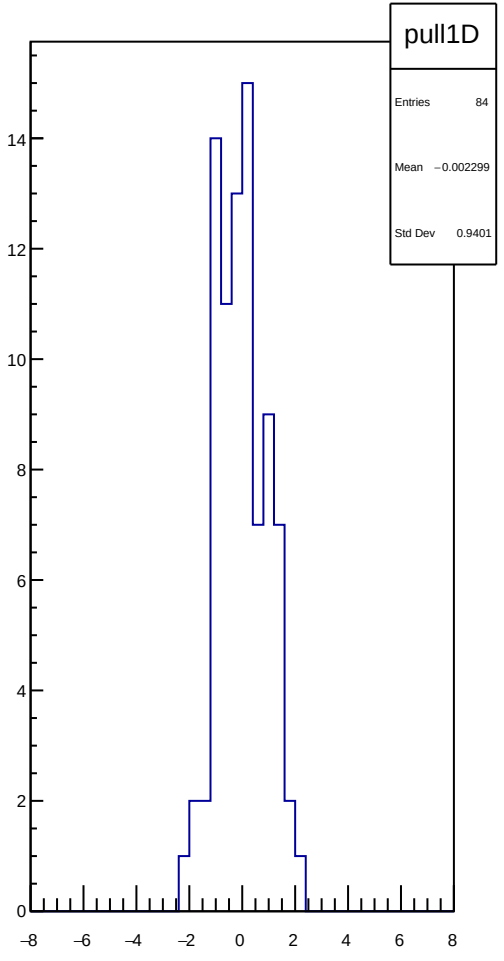

asym_at2_avg_correction_rms vs run
χ² / ndf 4049 / 83
p0 7550 ± 5.932
8500
8000
7500
7000
6500

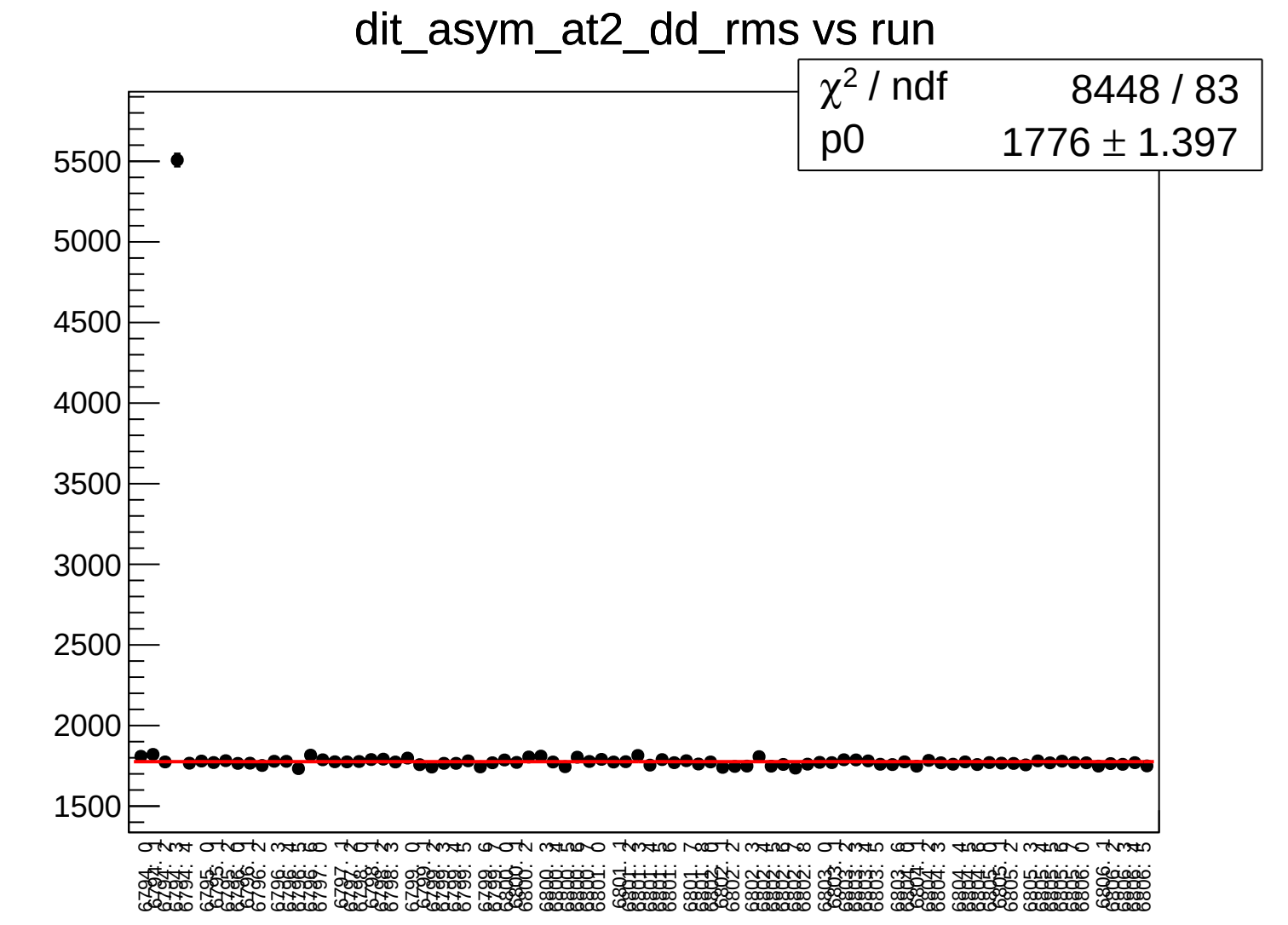

asym_at2_avg_mean vs run
χ² / ndf 88.97 / 83
p0 6708 ± 8560
×10³
pull
Entries 84
Mean −594.9
Std Dev 653.7

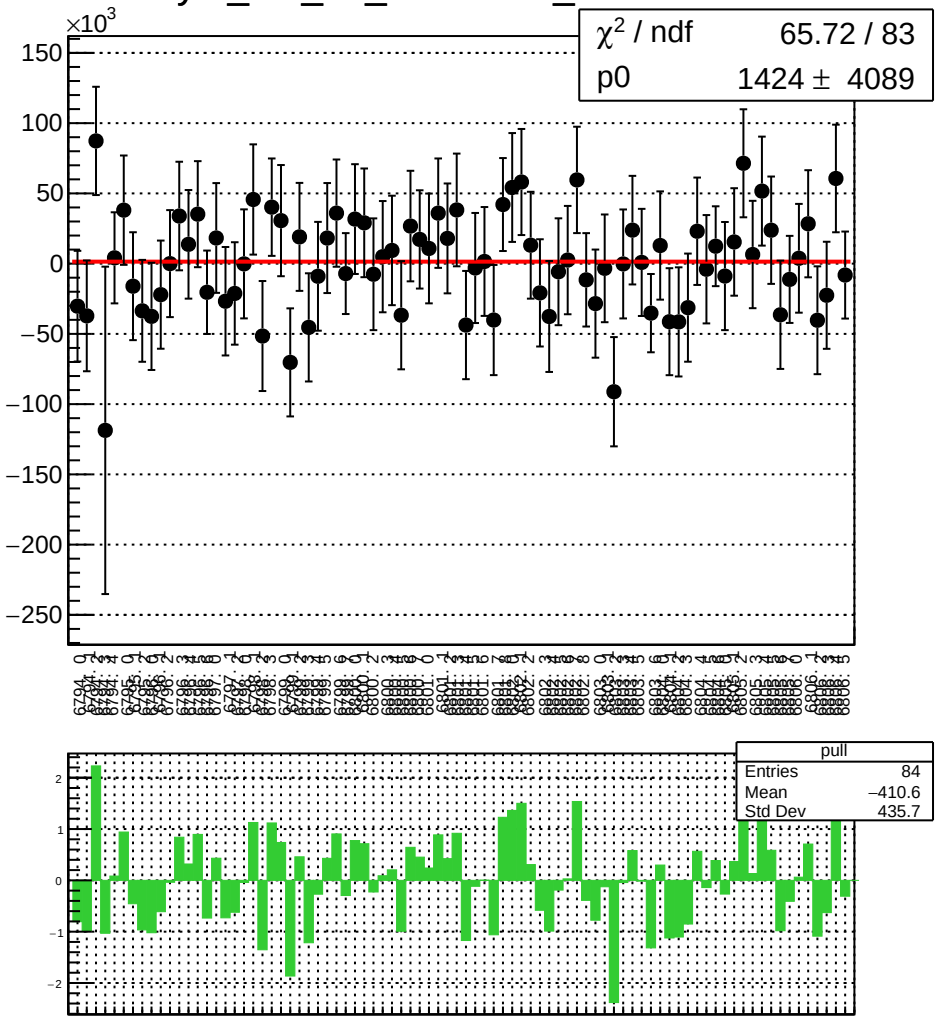

pull1D
Entries 84
Mean 0.004895
Std Dev 1.029

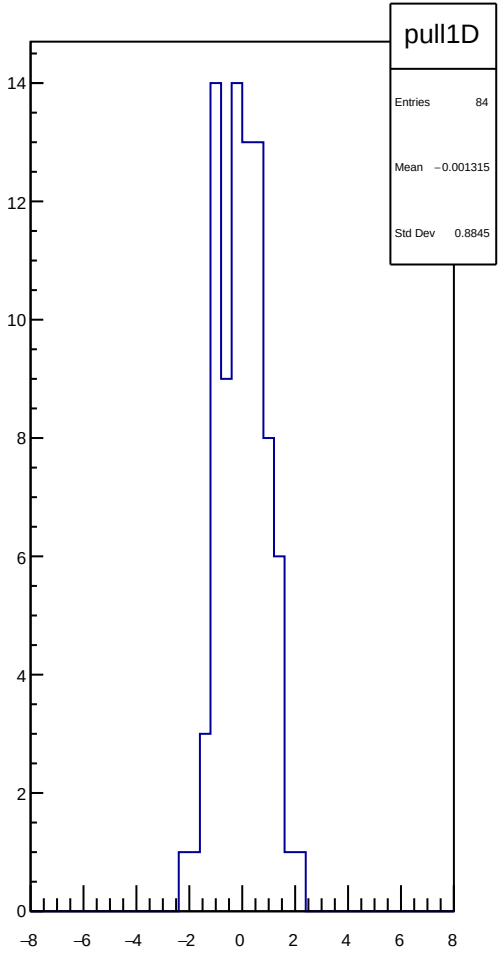

asym_at2_avg_rms vs run
χ^2 / ndf 3869 / 83
p0 7704 ± 6.053
9000
8500
8000
7500
7000

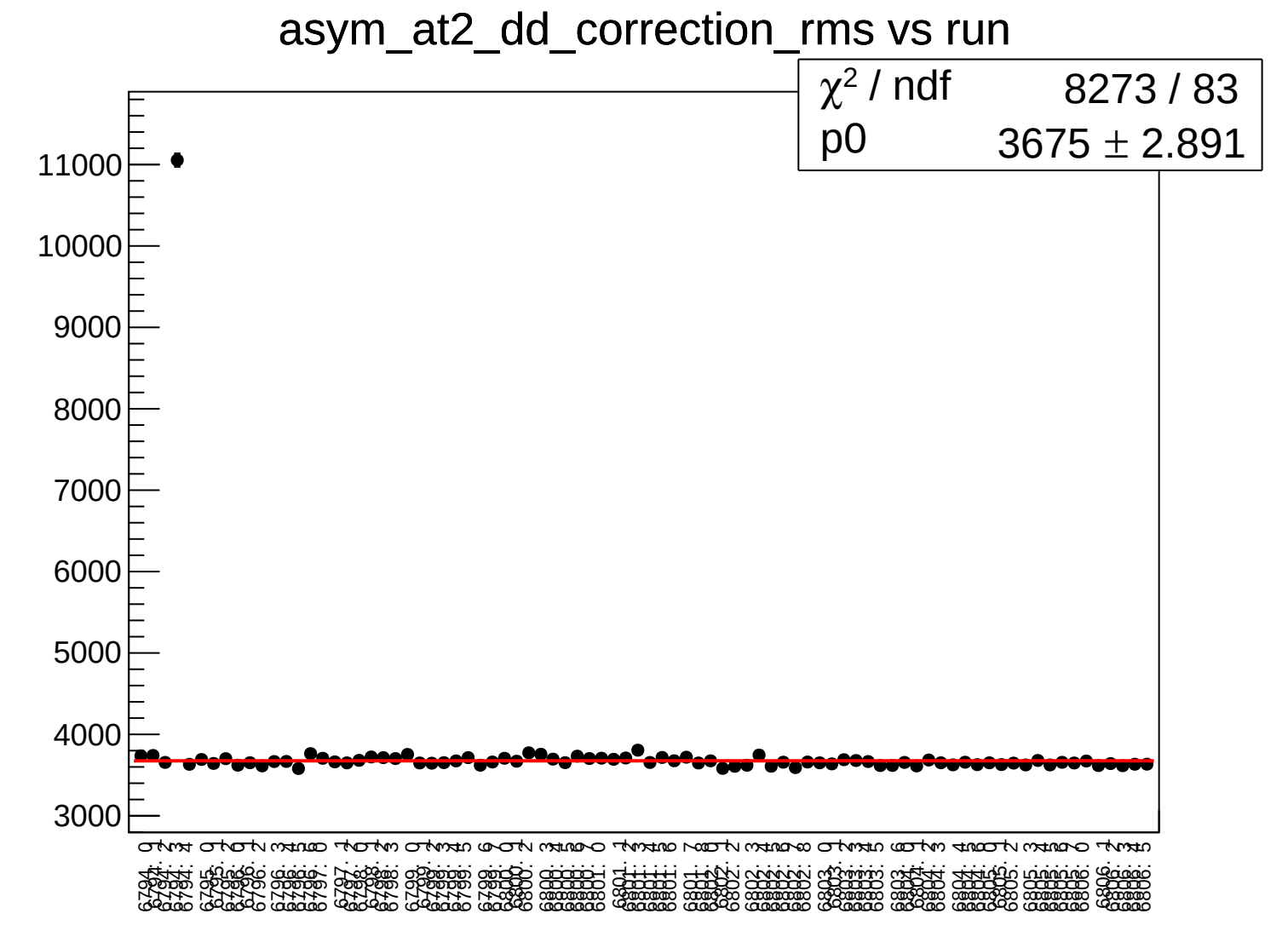

dit_asym_at2_dd_mean vs run
×10^3
χ^2 / ndf 74.23 / 83
p0 462.8 ± 1976
pull
Entries 84
Mean −317.8
Std Dev 361.1

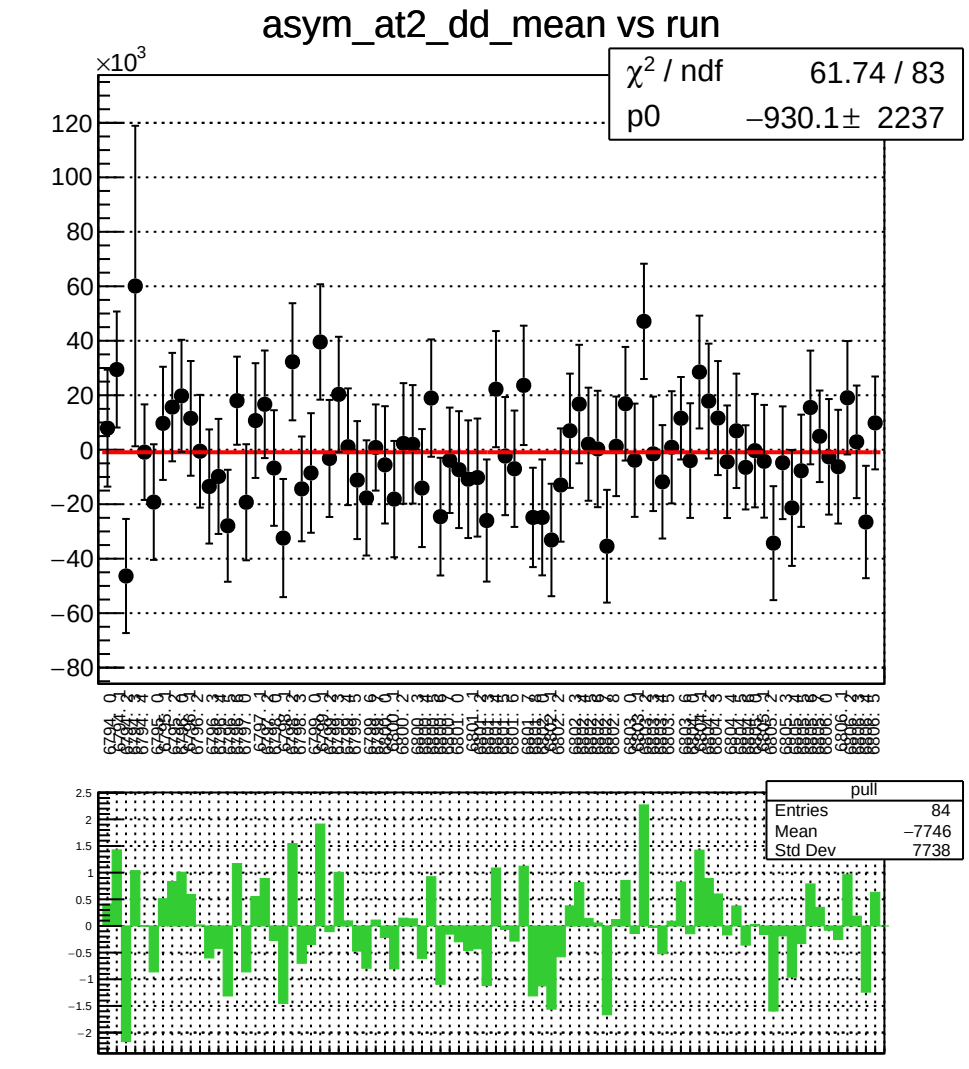

pull1D
Entries 84
Mean −0.002299
Std Dev 0.9401

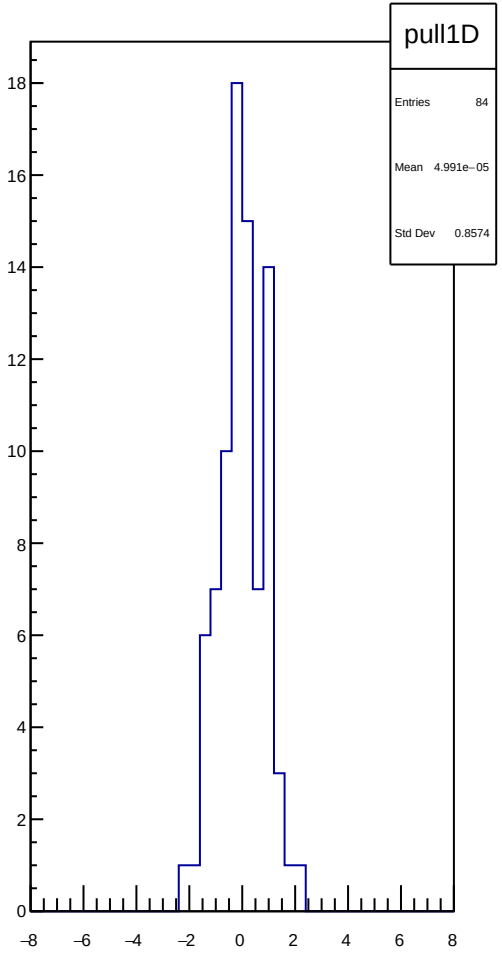

dit_asym_at2_dd_rms vs run
χ² / ndf 8448 / 83
p0 1776 ± 1.397
5500
5000
4500
4000
3500
3000
2500
2000
1500

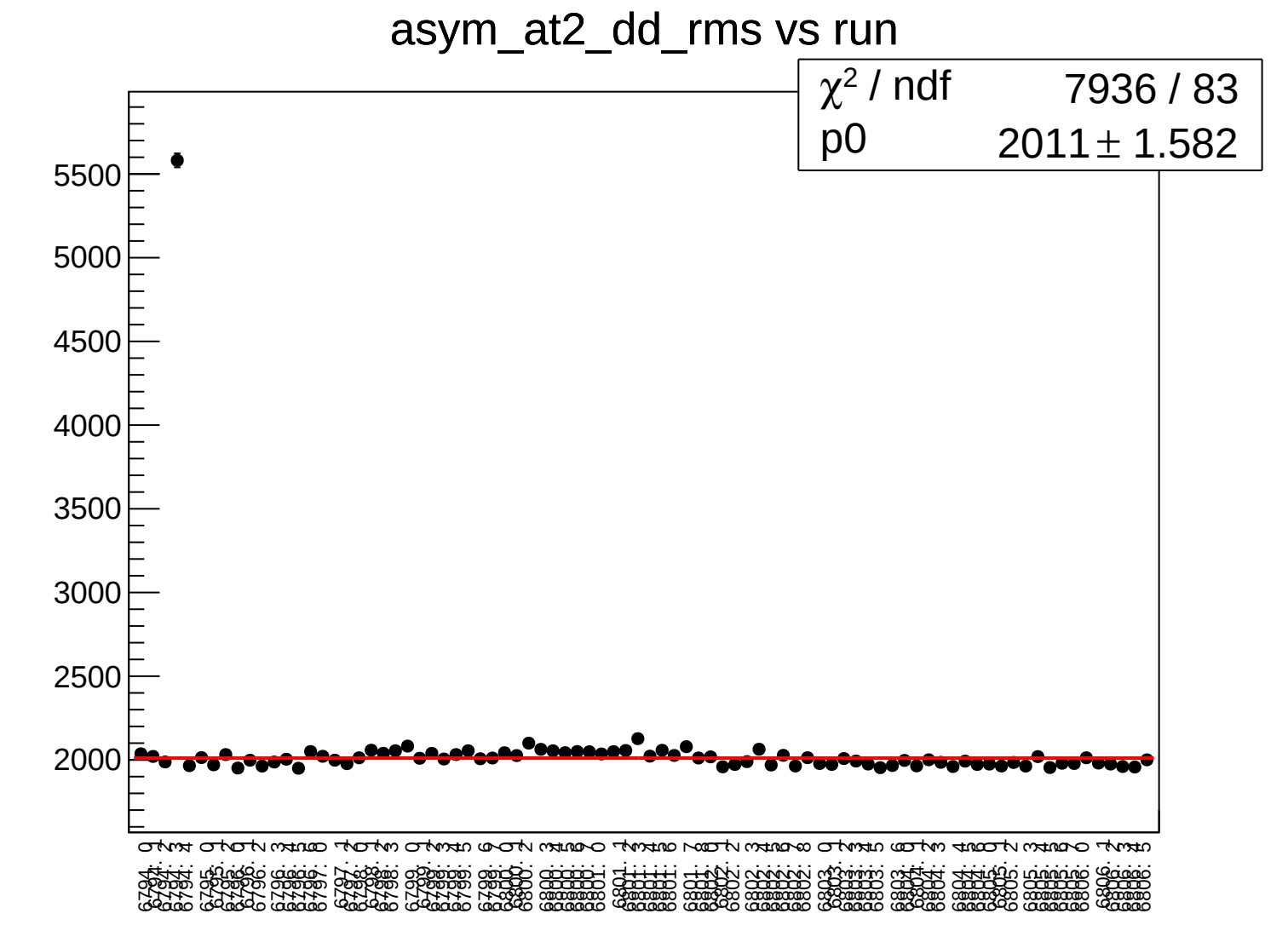

asym_at2_dd_correction_mean vs run
×10^3
χ^2 / ndf 65.72 / 83
p0 1424 ± 4089
150
100
50
0
−50
−100
−150
−200
−250
pull
Entries 84
Mean −410.6
Std Dev 435.7
2
1
0
−1
−2

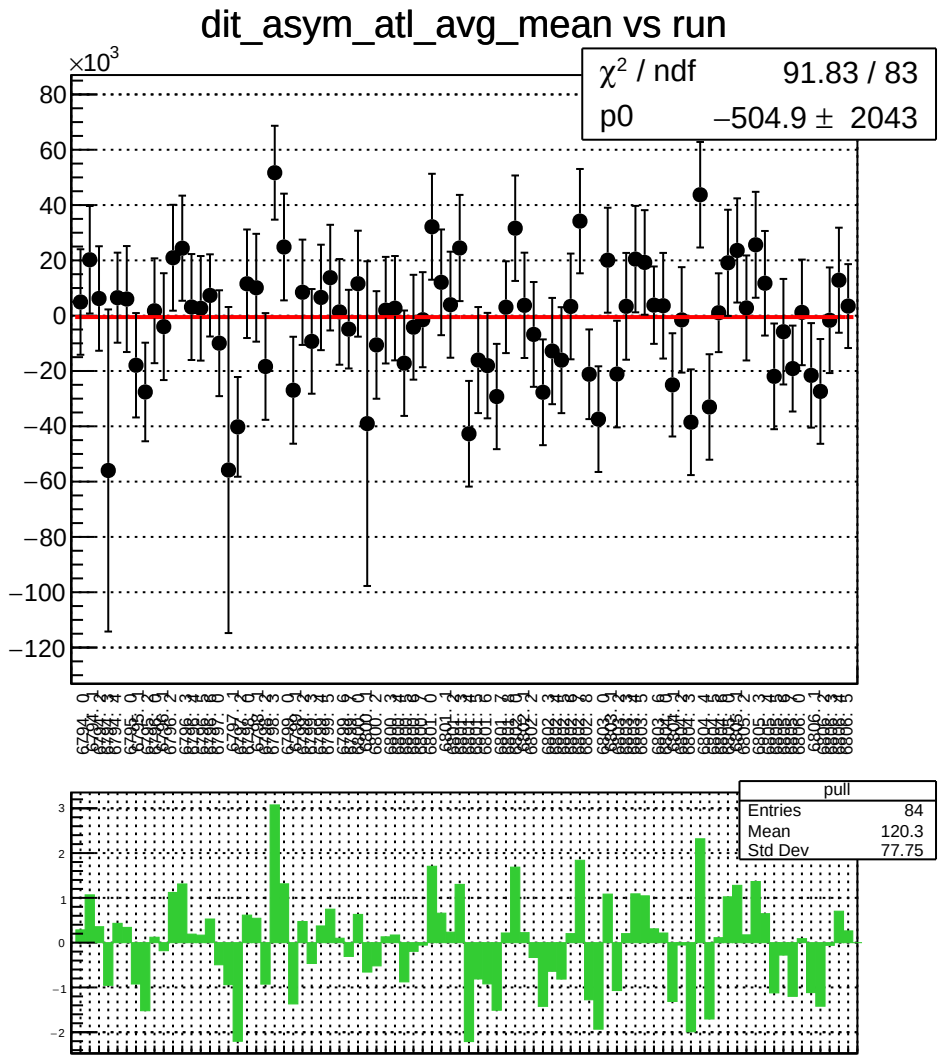

pull1D
Entries 84
Mean −0.001315
Std Dev 0.8845
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

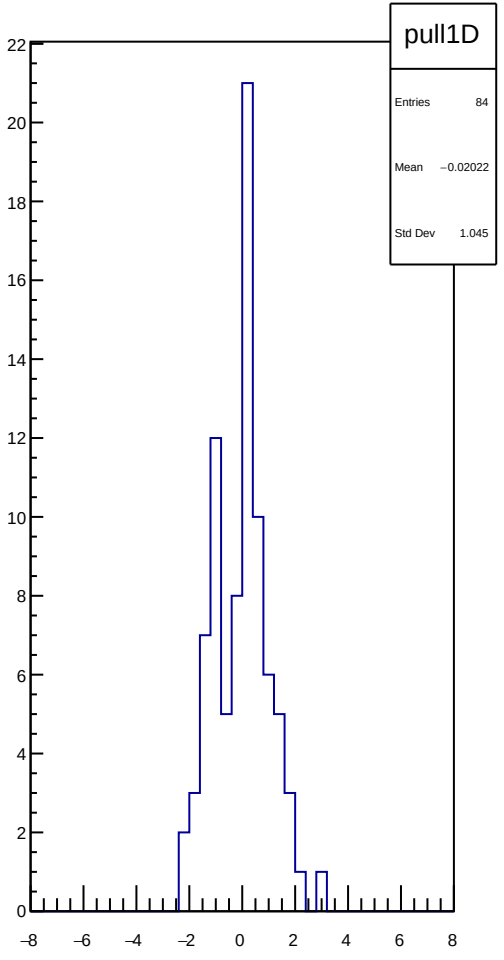

asym_at2_dd_correction_rms vs run
χ² / ndf 8273 / 83
p0 3675 ± 2.891
11000
10000
9000
8000
7000
6000
5000
4000
3000

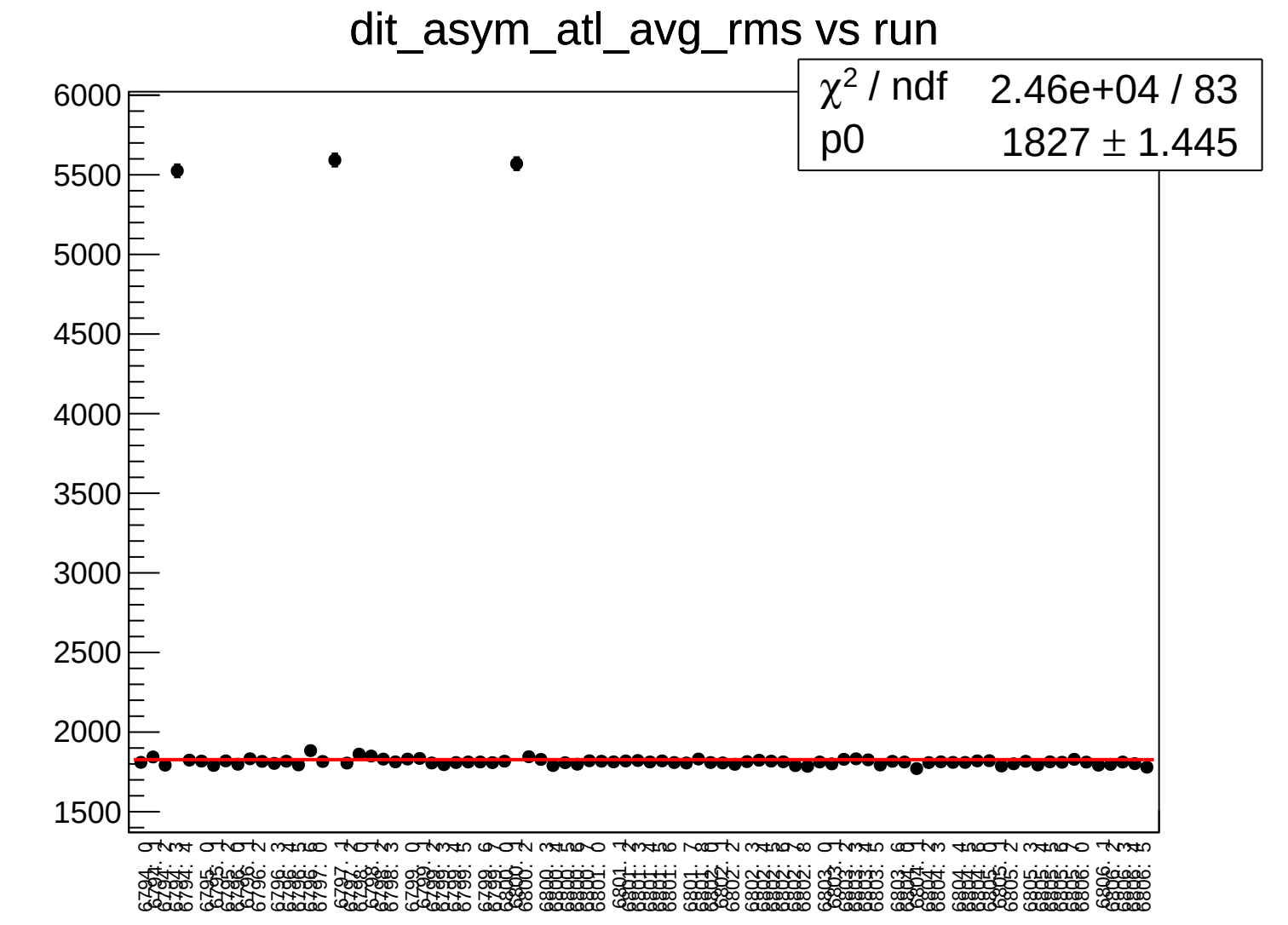

asym_at2_dd_mean vs run
×10^3
χ^2 / ndf 61.74 / 83
p0 −930.1± 2237
pull
Entries 84
Mean −7746
Std Dev 7738

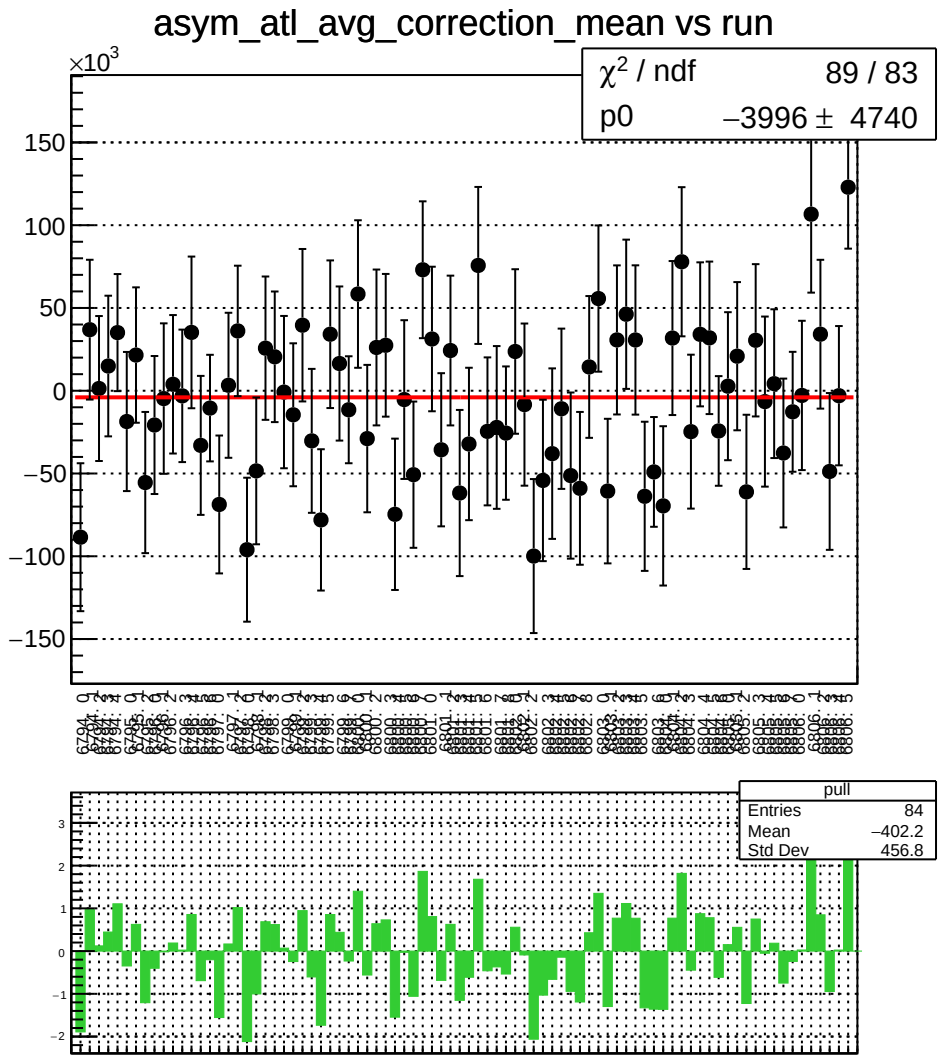

pull1D
Entries 84
Mean 4.991e−05
Std Dev 0.8574

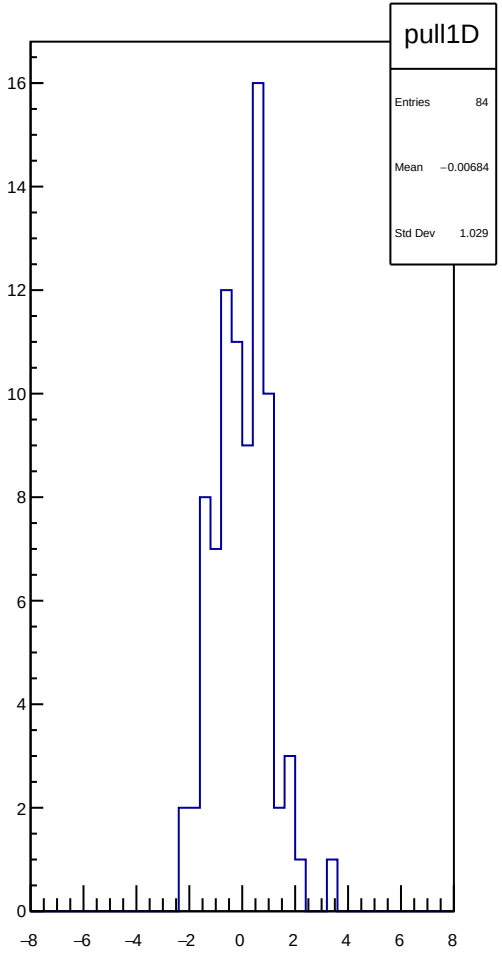

asym_at2_dd_rms vs run
χ^2 / ndf 7936 / 83
p0 2011 ± 1.582
5500
5000
4500
4000
3500
3000
2500
2000

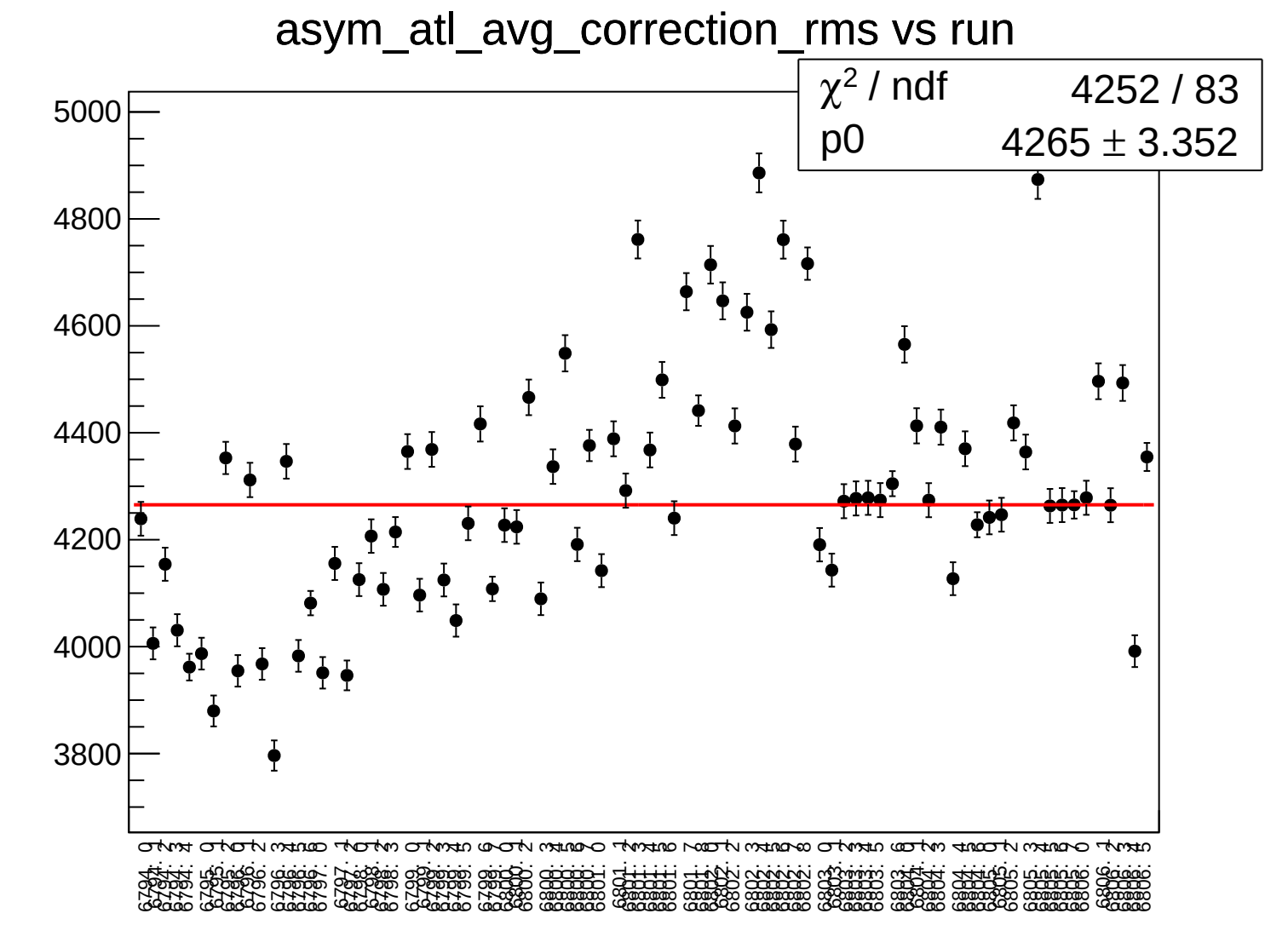

dit_asym_atl_avg_mean vs run
χ² / ndf 91.83 / 83
p0 −504.9 ± 2043
×10³
pull
Entries 84
Mean 120.3
Std Dev 77.75

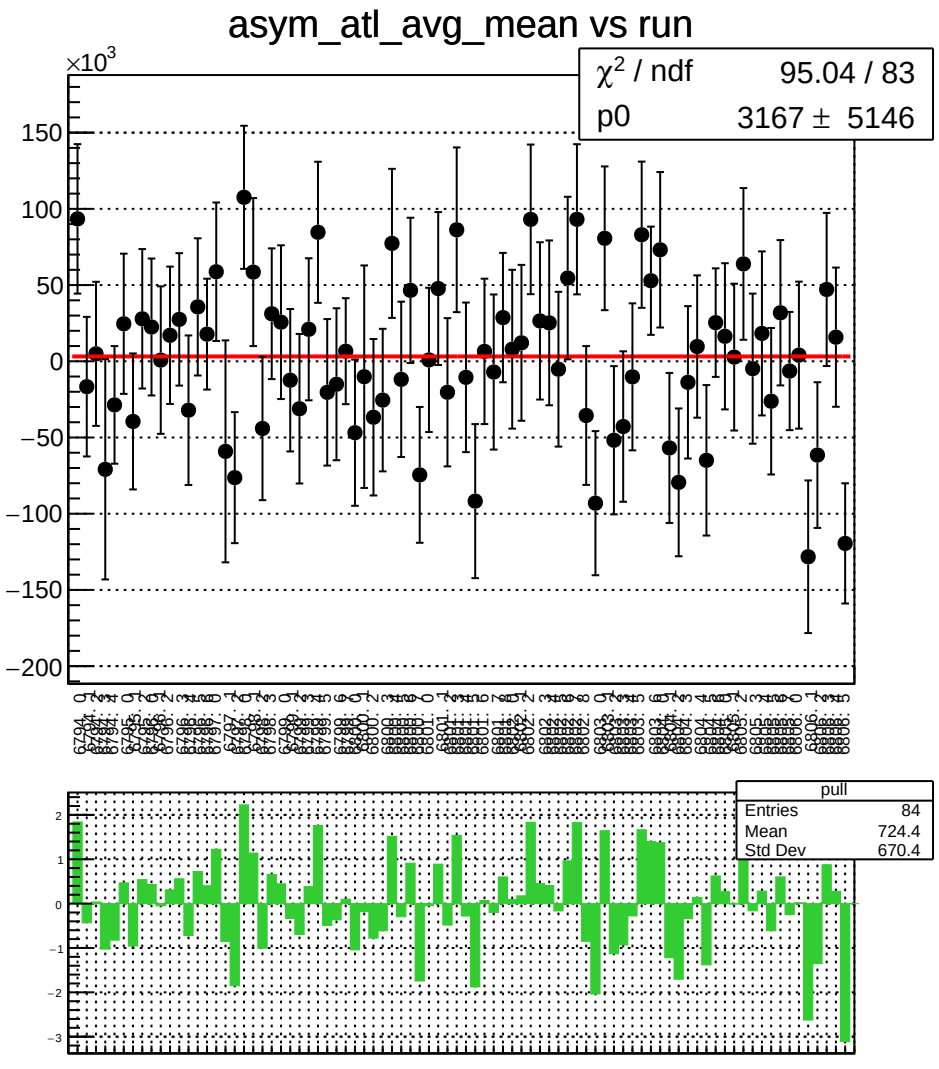

pull1D
Entries 84
Mean −0.02022
Std Dev 1.045

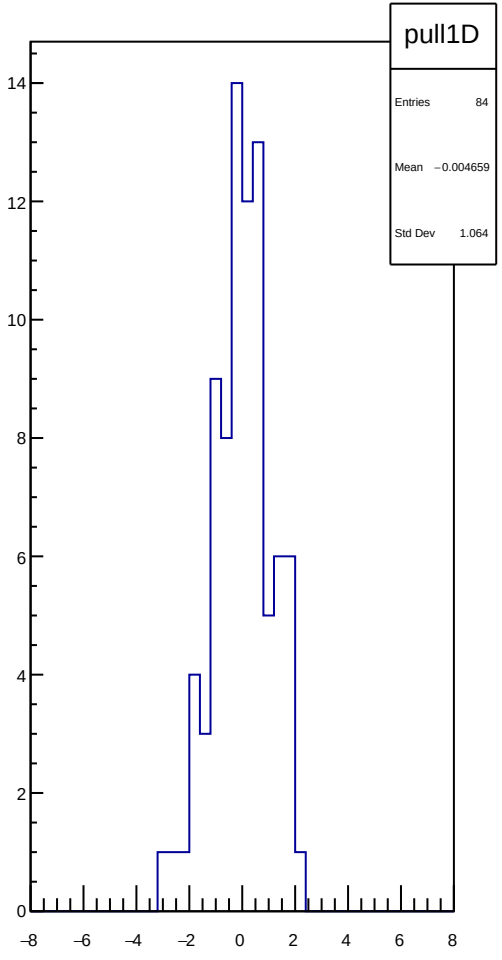

dit_asym_atl_avg_rms vs run
χ² / ndf 2.46e+04 / 83
p0 1827 ± 1.445
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

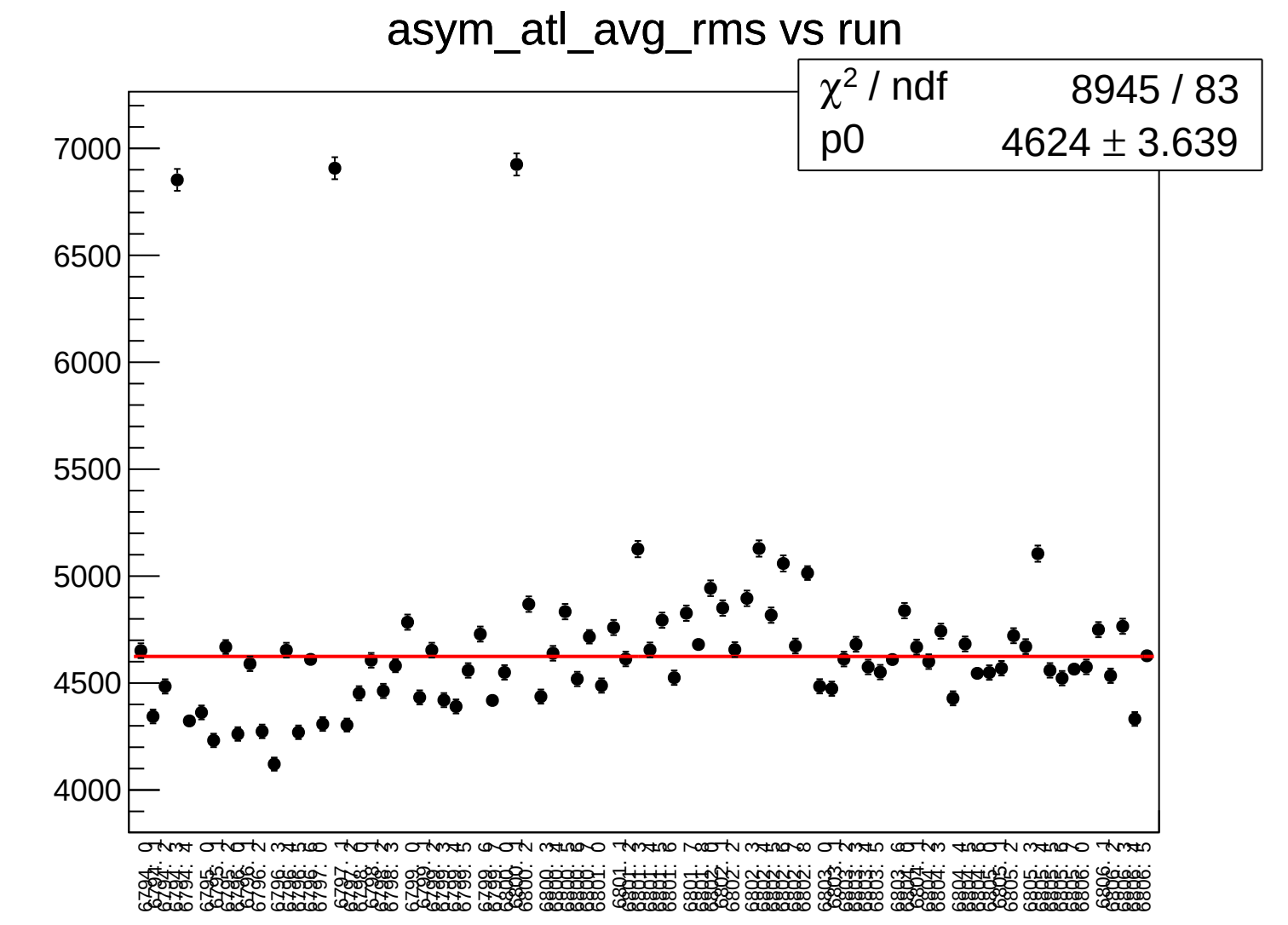

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 89 / 83
p0 −3996 ± 4740
150
100
50
0
−50
−100
−150
pull
Entries 84
Mean −402.2
Std Dev 456.8
3
2
1
0
−1
−2

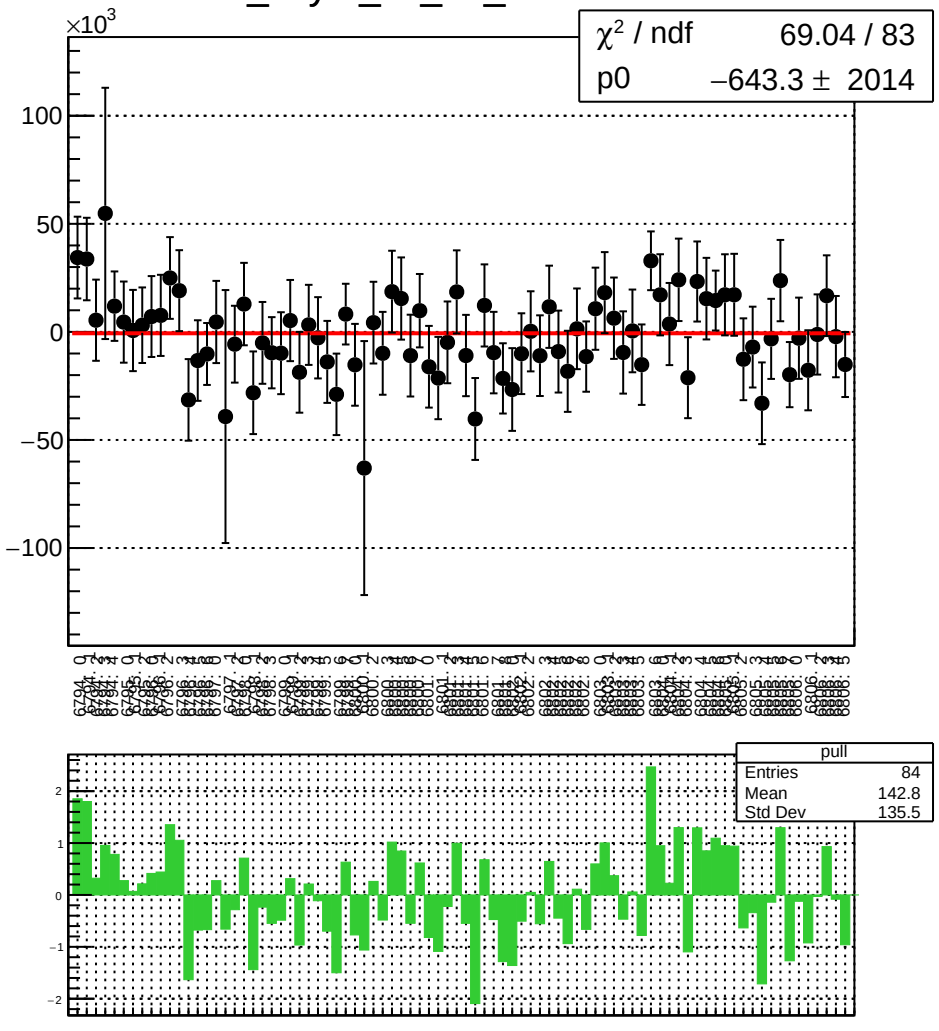

pull1D
Entries 84
Mean −0.00684
Std Dev 1.029
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

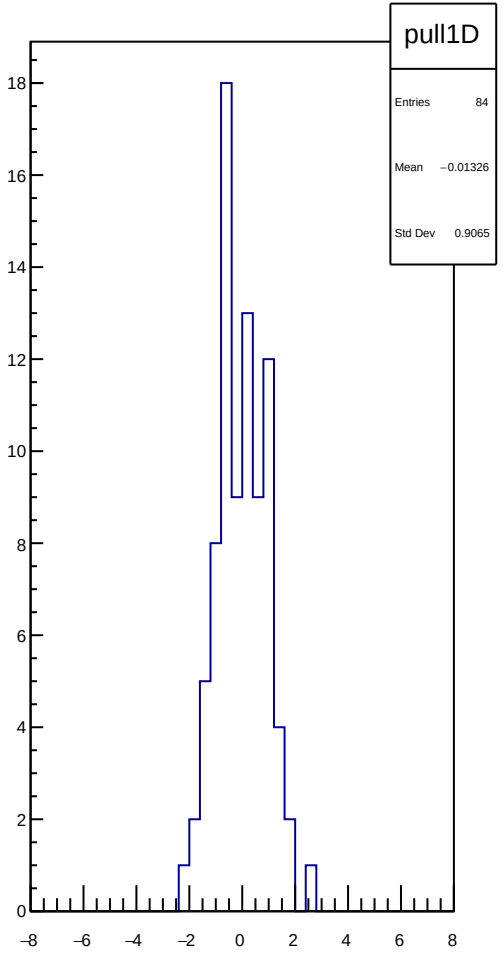

asym_atl_avg_correction_rms vs run
χ² / ndf 4252 / 83
p0 4265 ± 3.352
5000
4800
4600
4400
4200
4000
3800

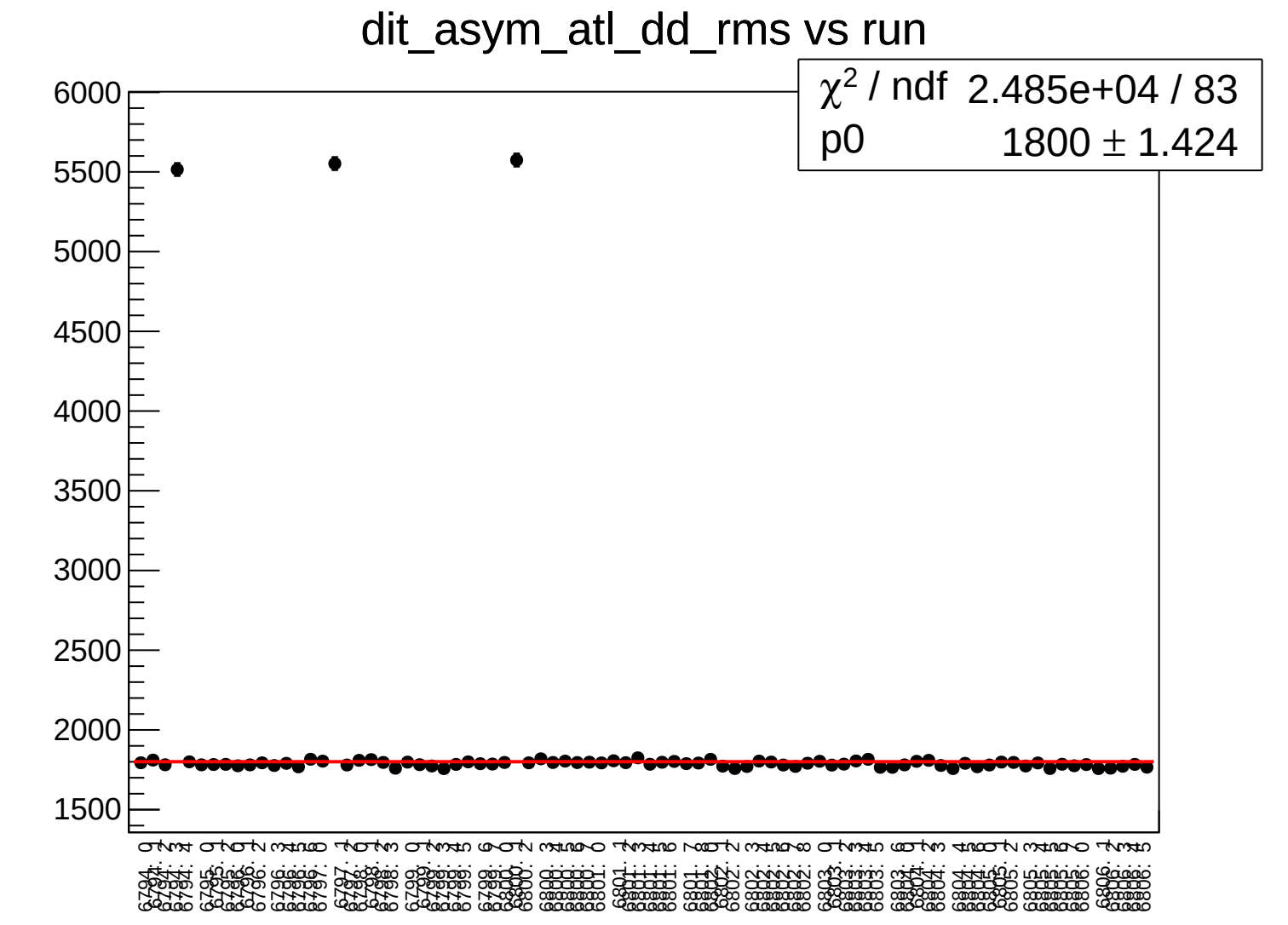

asym_atl_avg_mean vs run
×10^3
χ^2 / ndf 95.04 / 83
p0 3167 ± 5146
150
100
50
0
−50
−100
−150
−200
pull
Entries 84
Mean 724.4
Std Dev 670.4
2
1
0
−1
−2
−3

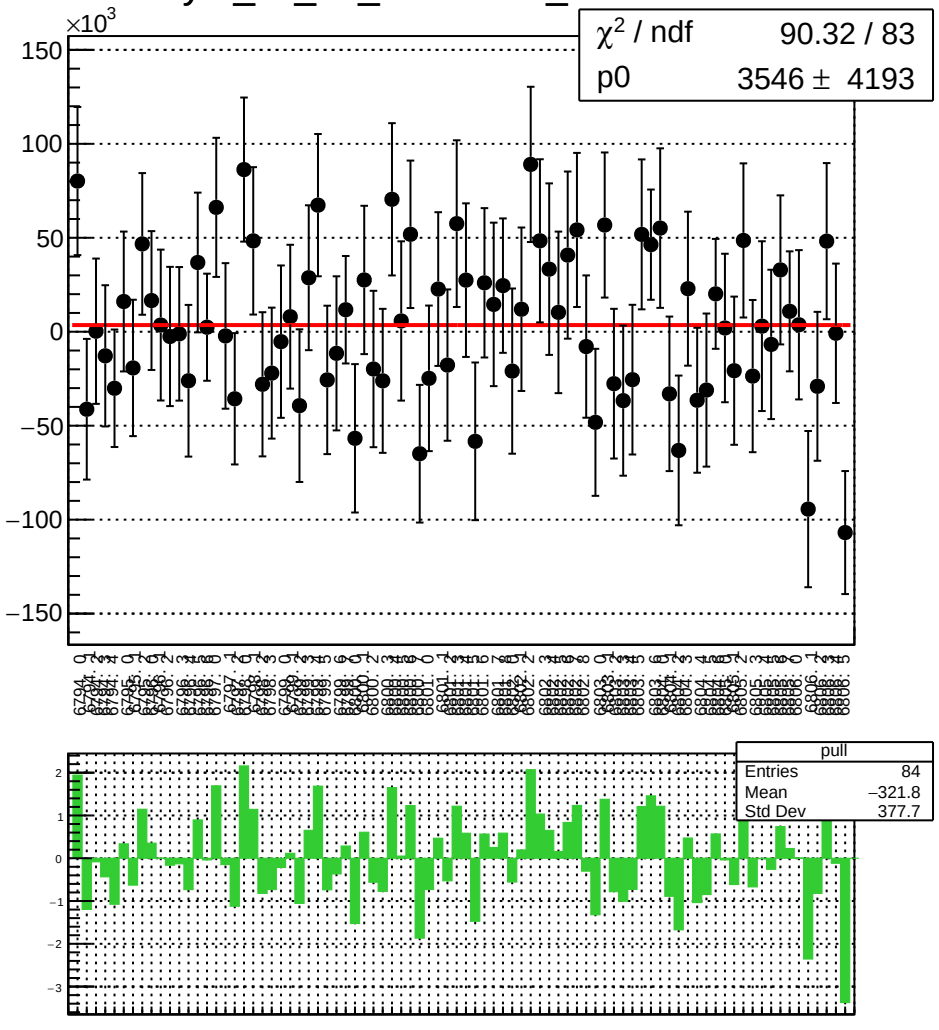

pull1D
Entries 84
Mean −0.004659
Std Dev 1.064
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

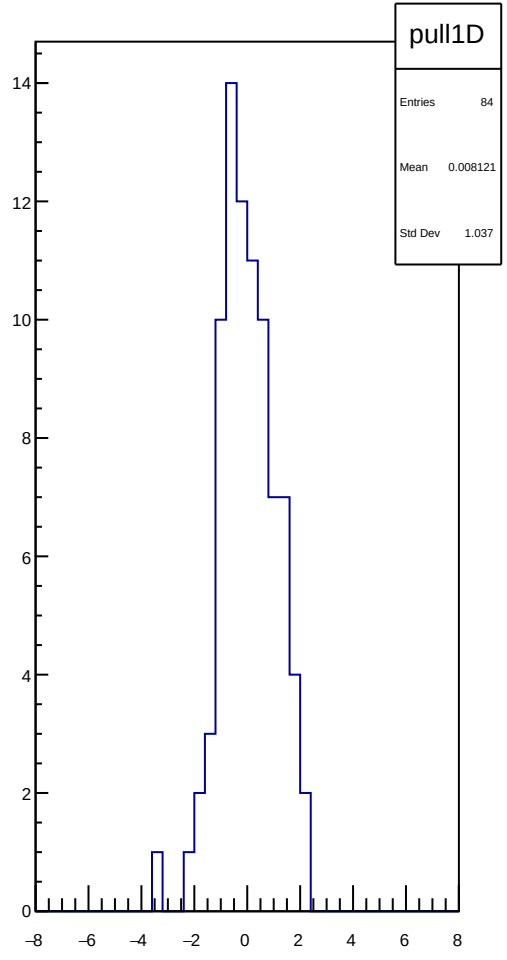

asym_atl_avg_rms vs run
χ^2 / ndf 8945 / 83
p0 4624 ± 3.639
7000
6500
6000
5500
5000
4500
4000

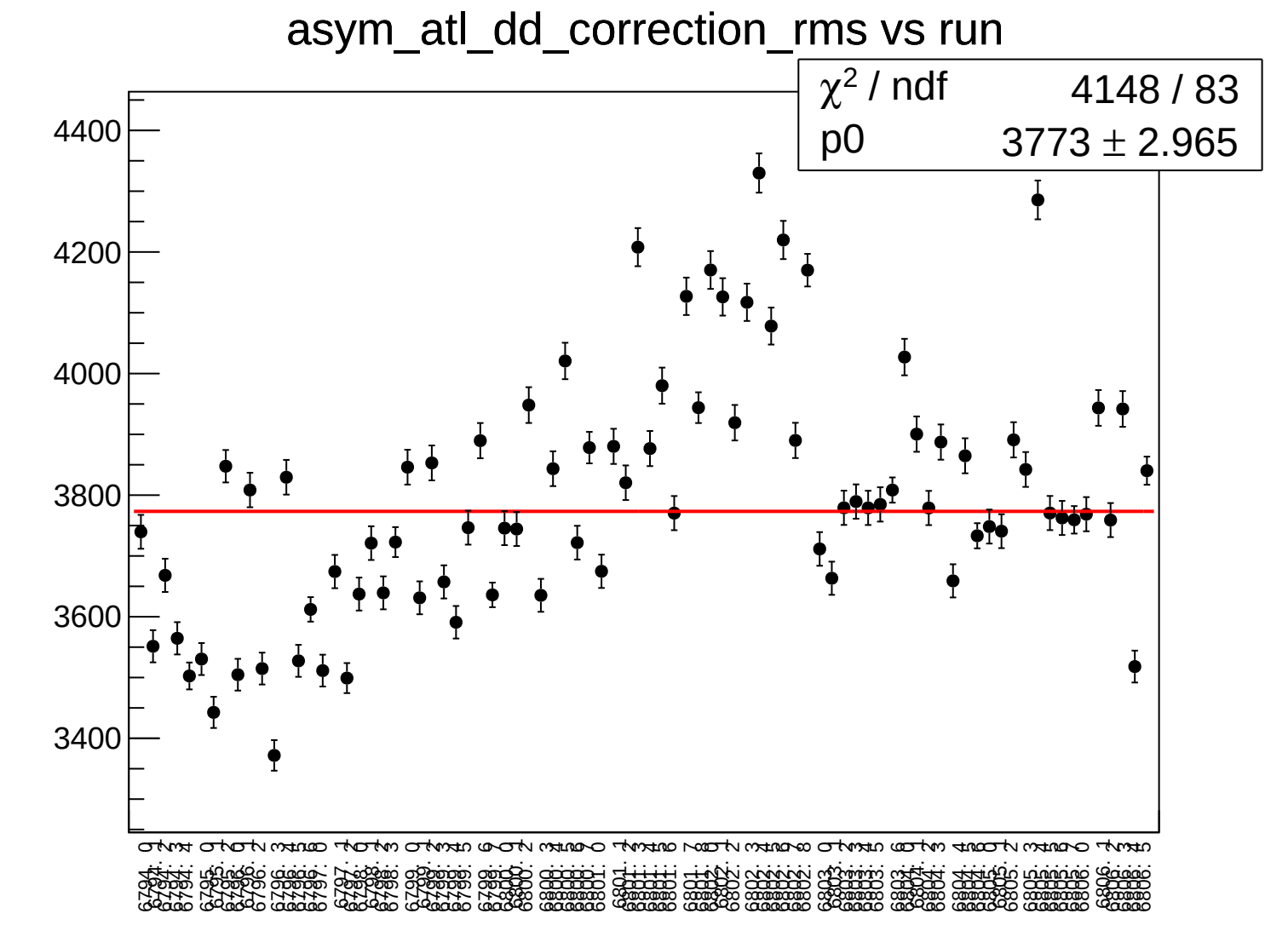

dit_asym_atl_dd_mean vs run
χ^2 / ndf 69.04 / 83
p0 −643.3 ± 2014
×10^3
pull
Entries 84
Mean 142.8
Std Dev 135.5

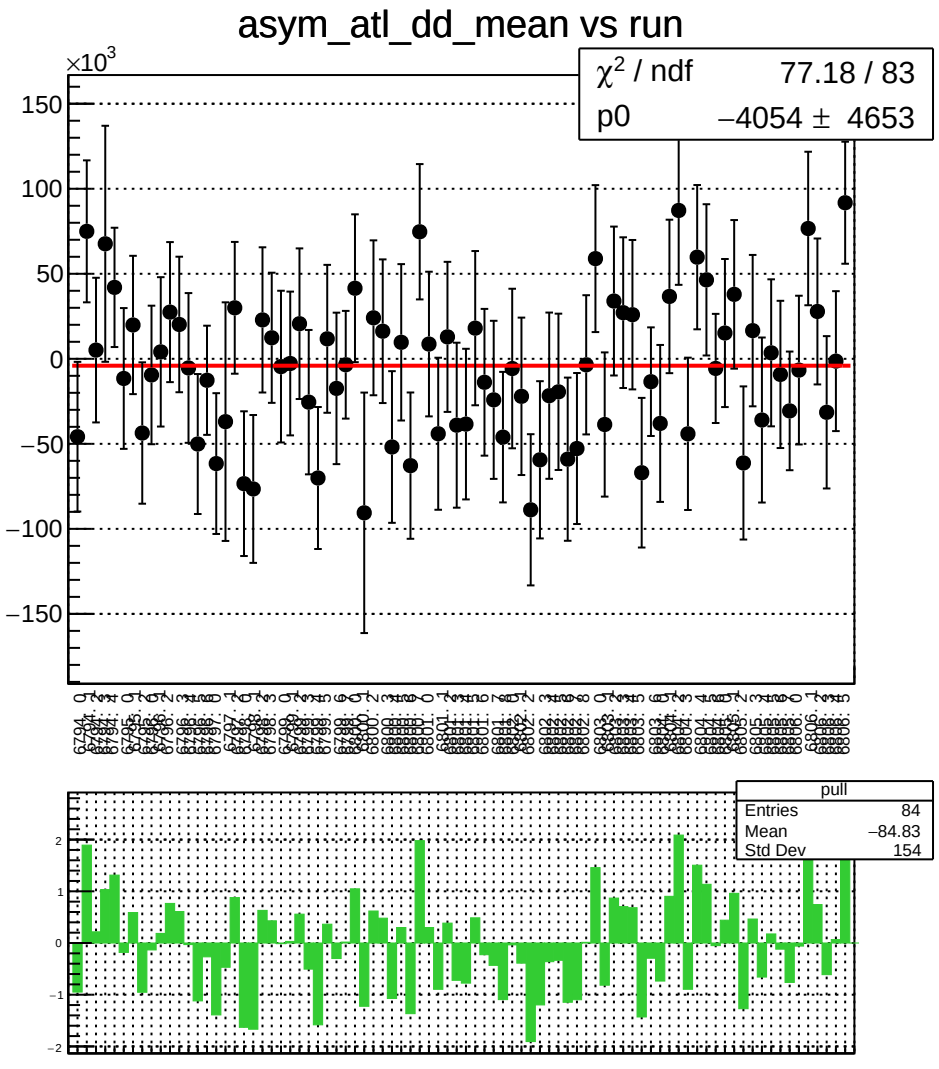

pull1D
Entries 84
Mean −0.01326
Std Dev 0.9065

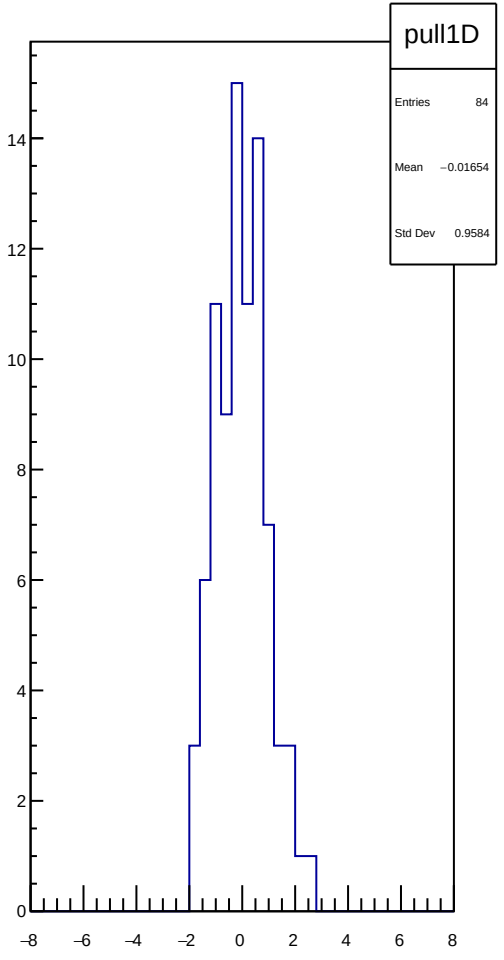

dit_asym_atl_dd_rms vs run
χ^2 / ndf 2.485e+04 / 83
p0 1800 ± 1.424
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

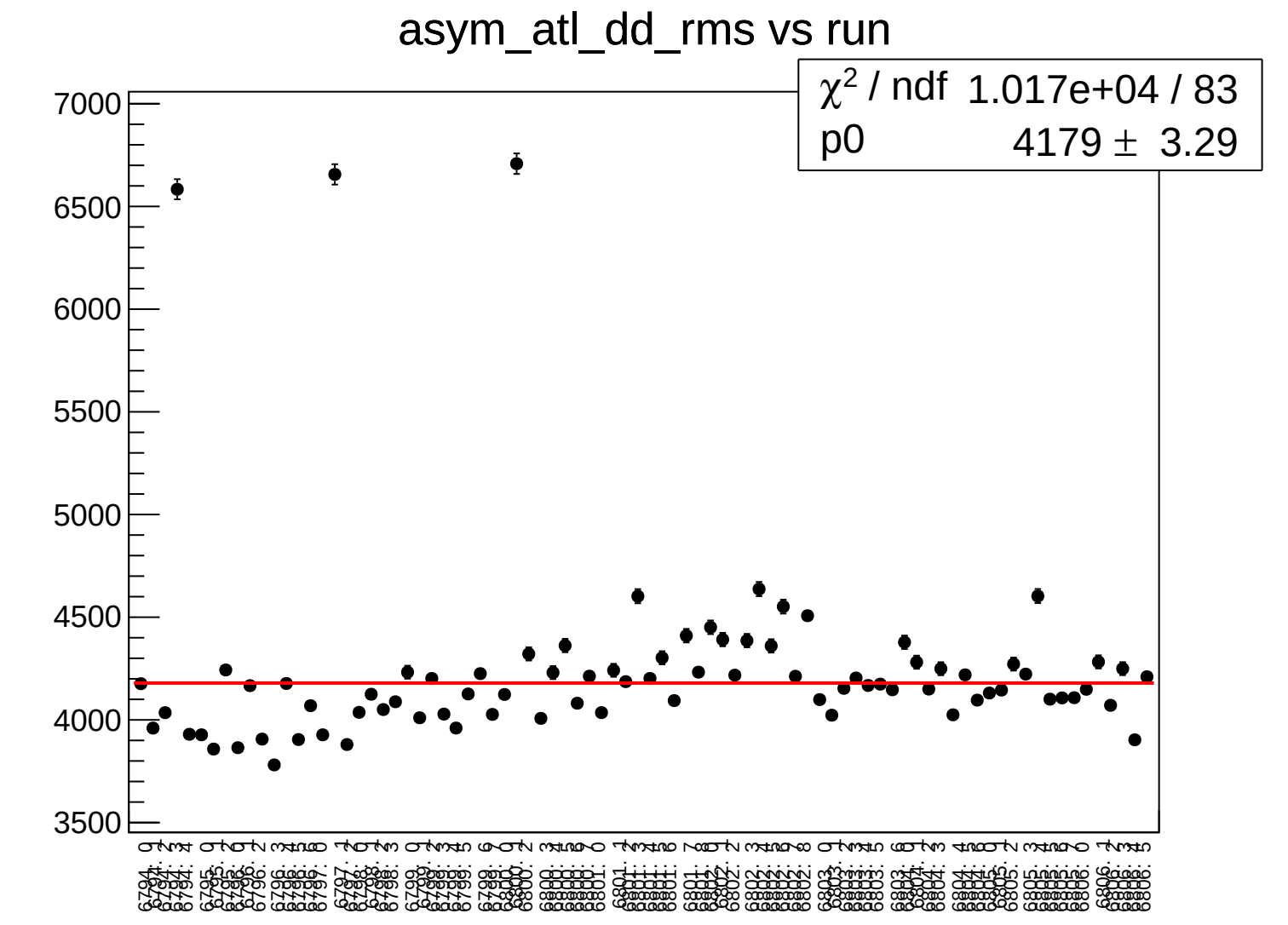

asym_atl_dd_correction_mean vs run
×10^3
χ² / ndf 90.32 / 83
p0 3546 ± 4193
150
100
50
0
−50
−100
−150
pull
Entries 84
Mean −321.8
Std Dev 377.7
2
1
0
−1
−2
−3

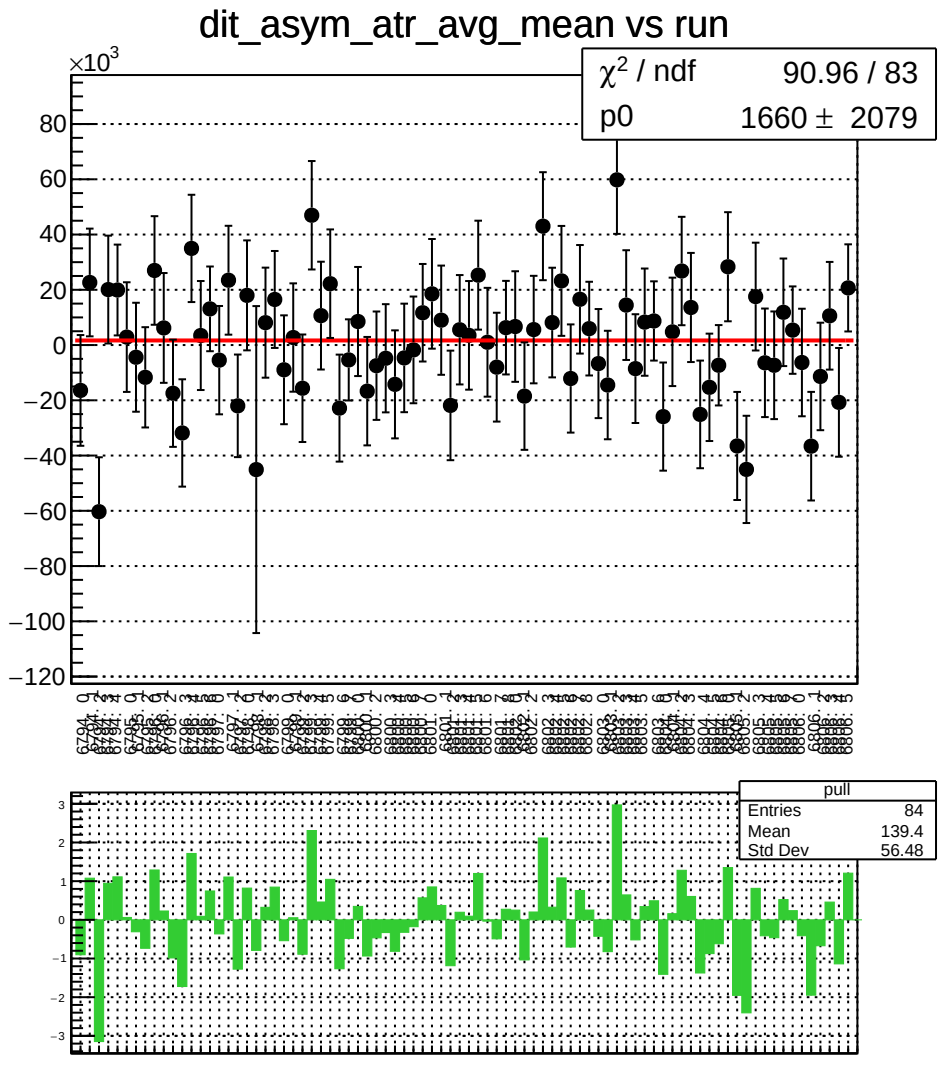

pull1D
Entries 84
Mean 0.008121
Std Dev 1.037
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

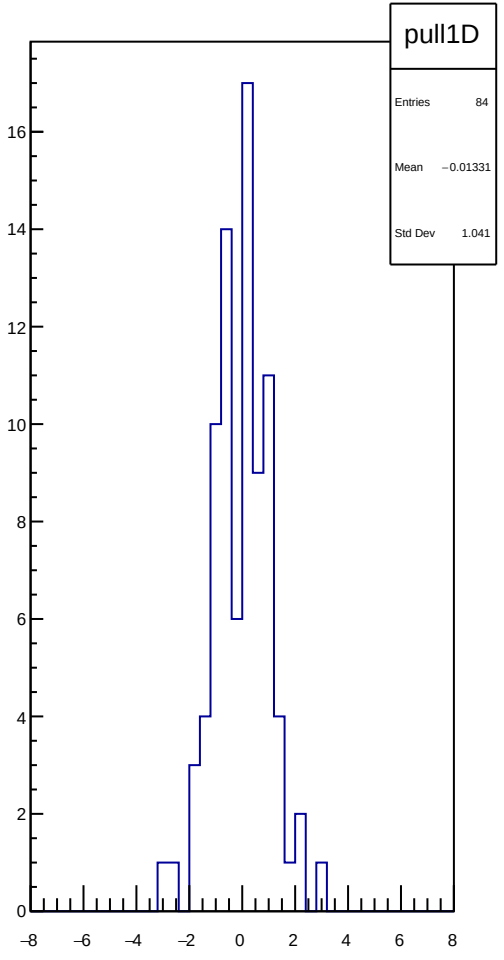

asym_atl_dd_correction_rms vs run
χ² / ndf 4148 / 83
p0 3773 ± 2.965
4400
4200
4000
3800
3600
3400

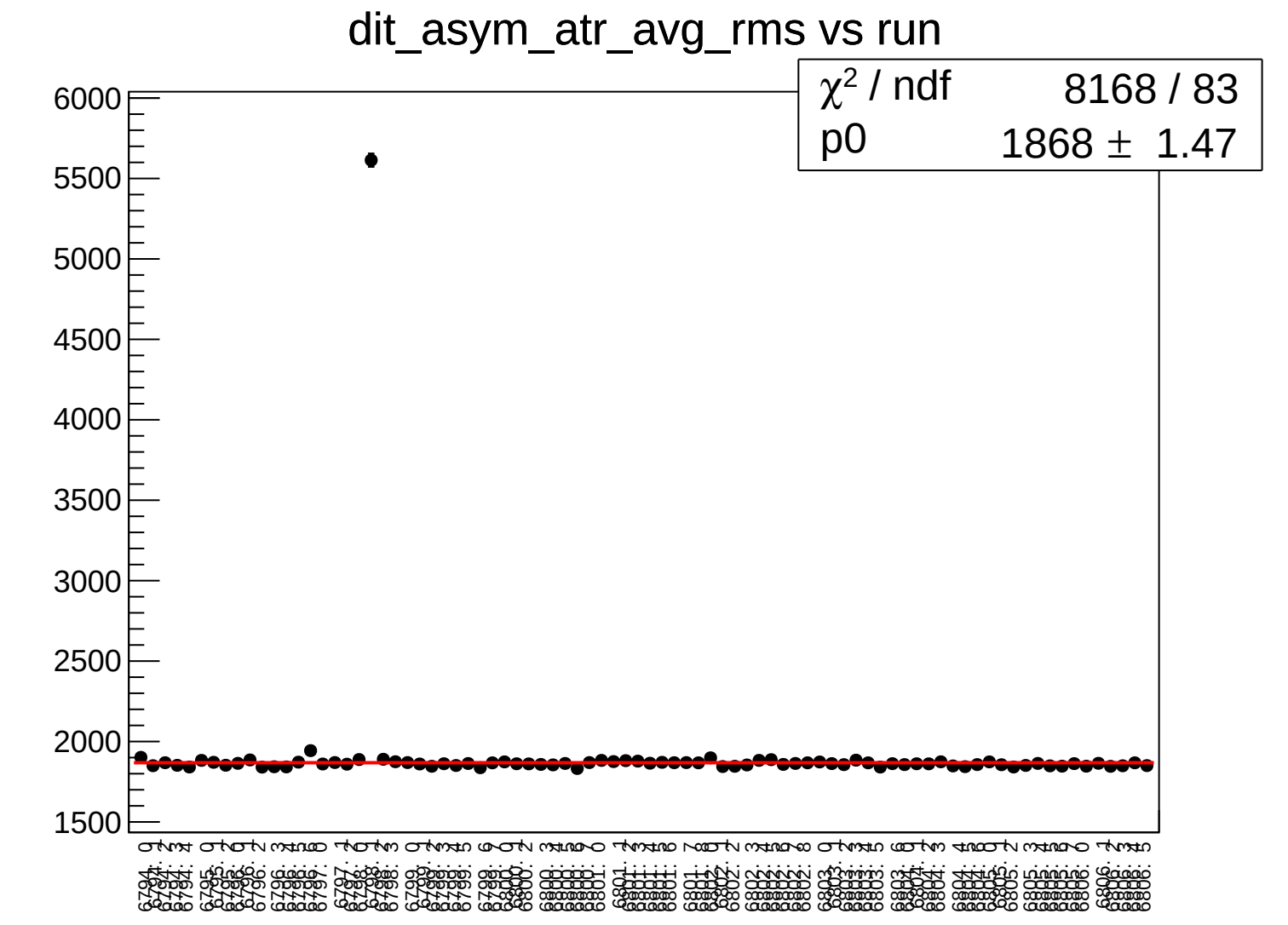

asym_atl_dd_mean vs run
×10^3
χ² / ndf 77.18 / 83
p0 −4054 ± 4653
150
100
50
0
−50
−100
−150
pull
Entries 84
Mean −84.83
Std Dev 154
2
1
0
−1
−2

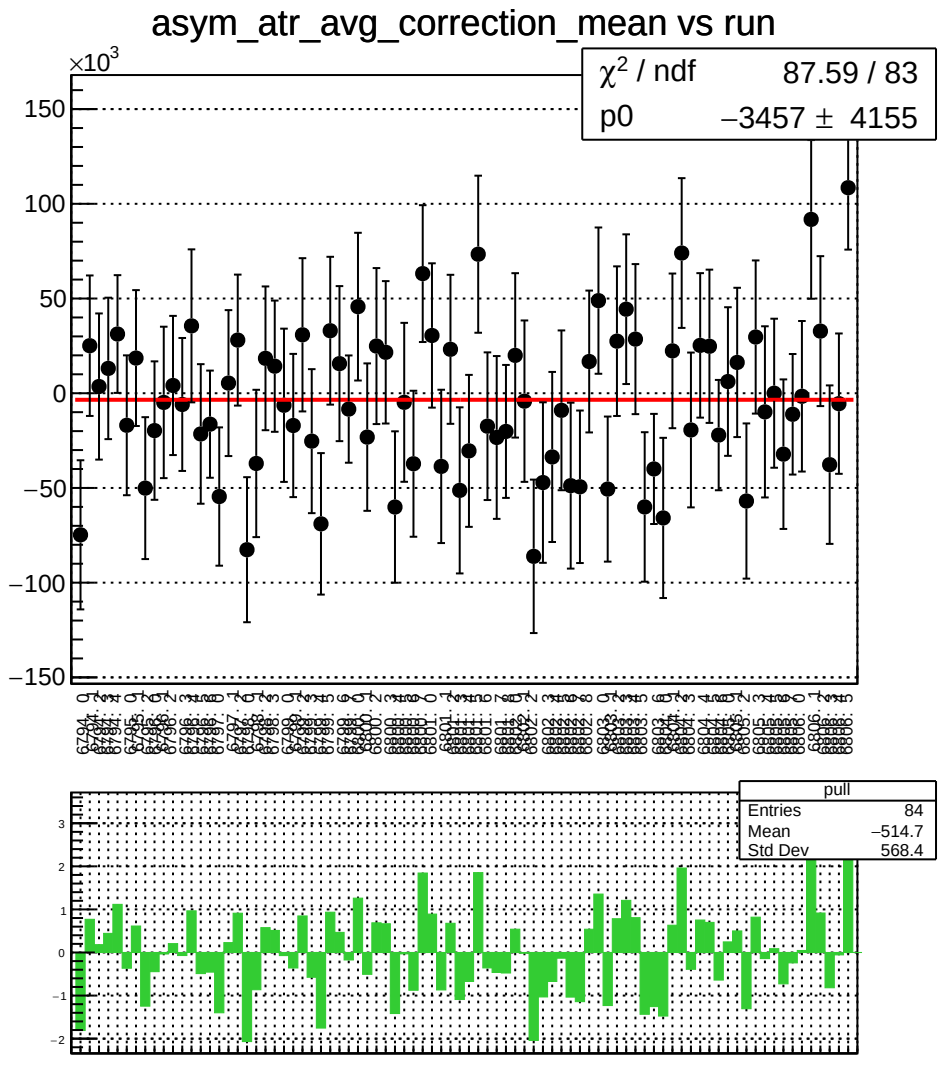

pull1D
Entries 84
Mean −0.01654
Std Dev 0.9584
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

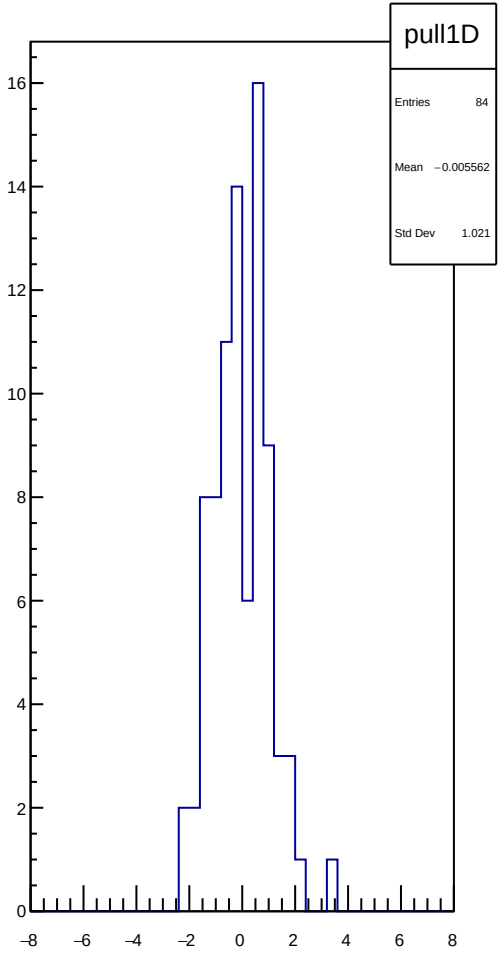

asym_atl_dd_rms vs run
χ² / ndf 1.017e+04 / 83
p0 4179 ± 3.29
7000
6500
6000
5500
5000
4500
4000
3500

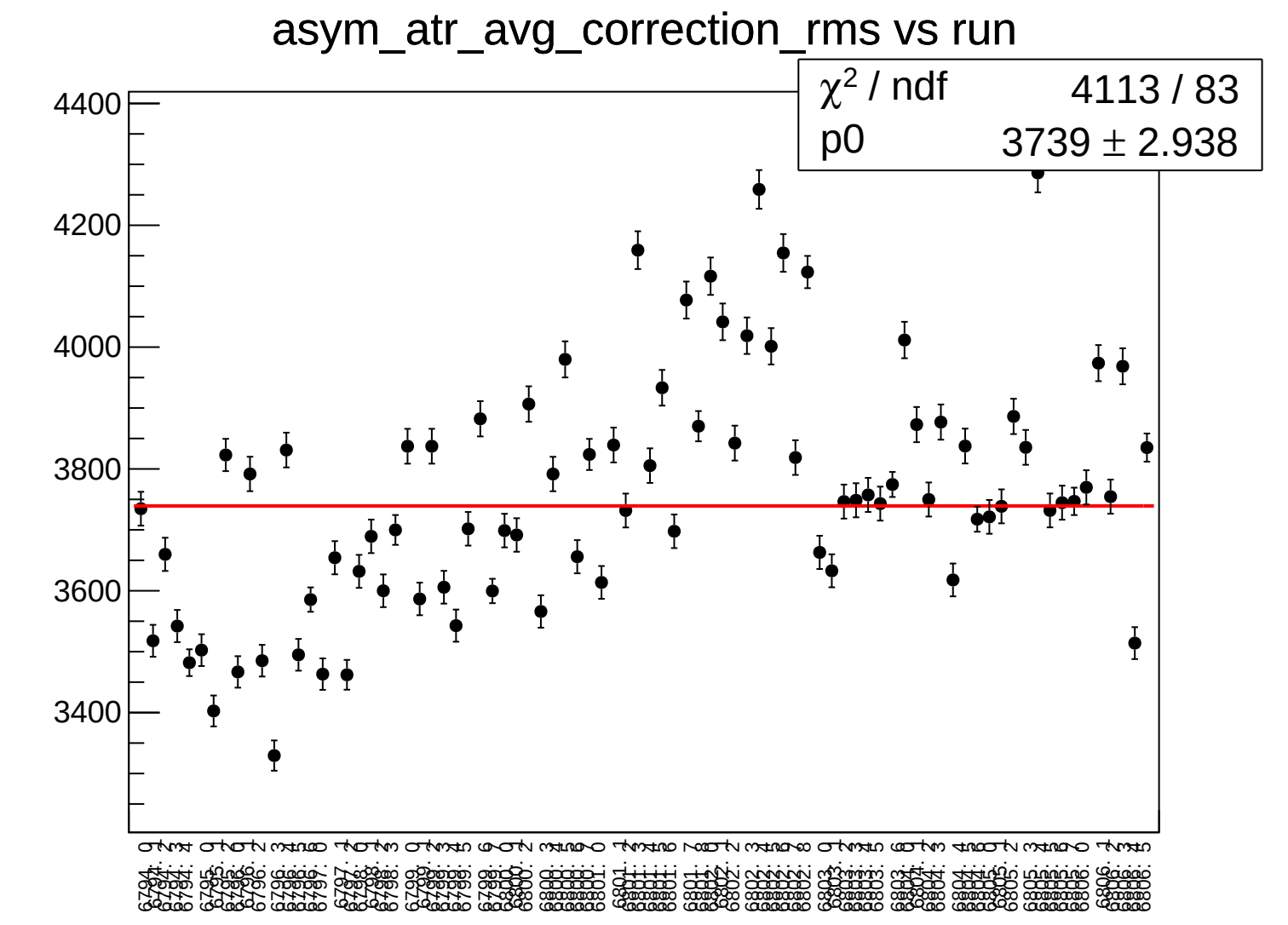

dit_asym_atr_avg_mean vs run
×10^3
χ² / ndf 90.96 / 83
p0 1660 ± 2079
pull
Entries 84
Mean 139.4
Std Dev 56.48

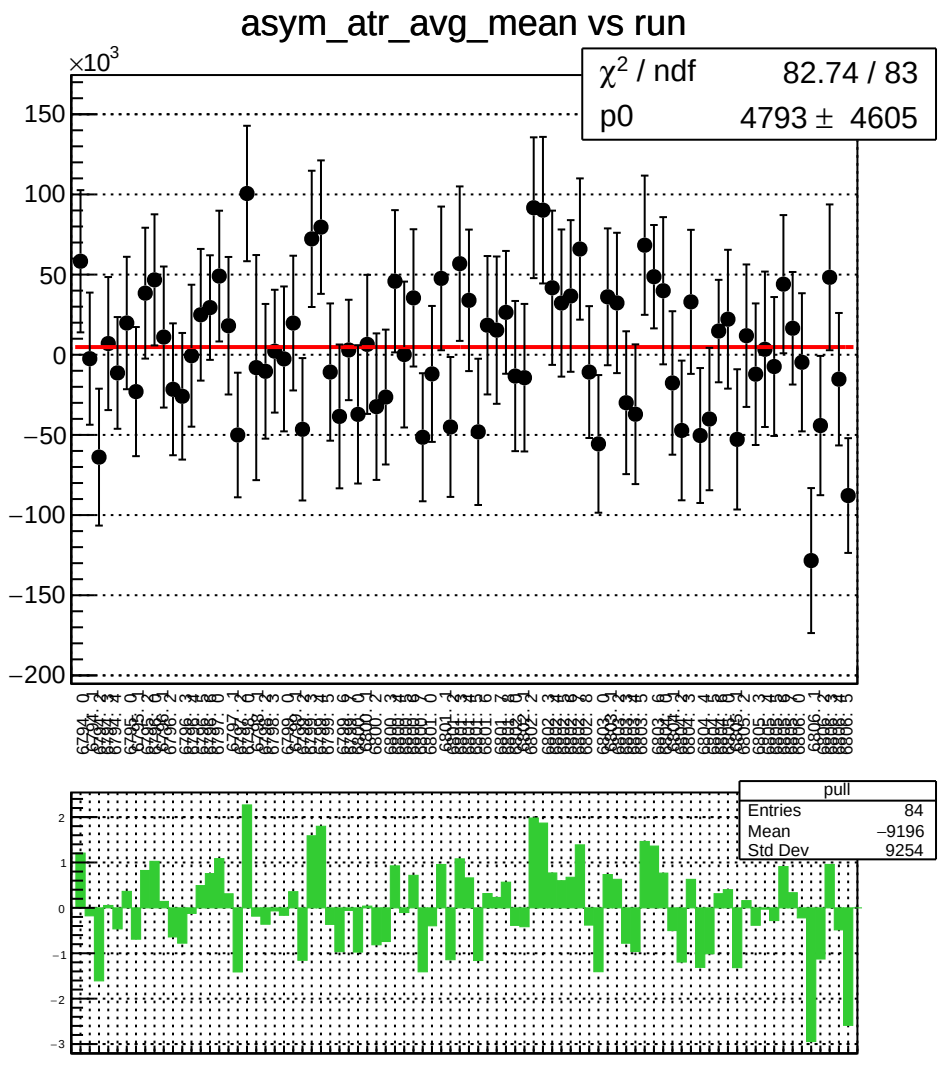

pull1D
Entries 84
Mean −0.01331
Std Dev 1.041

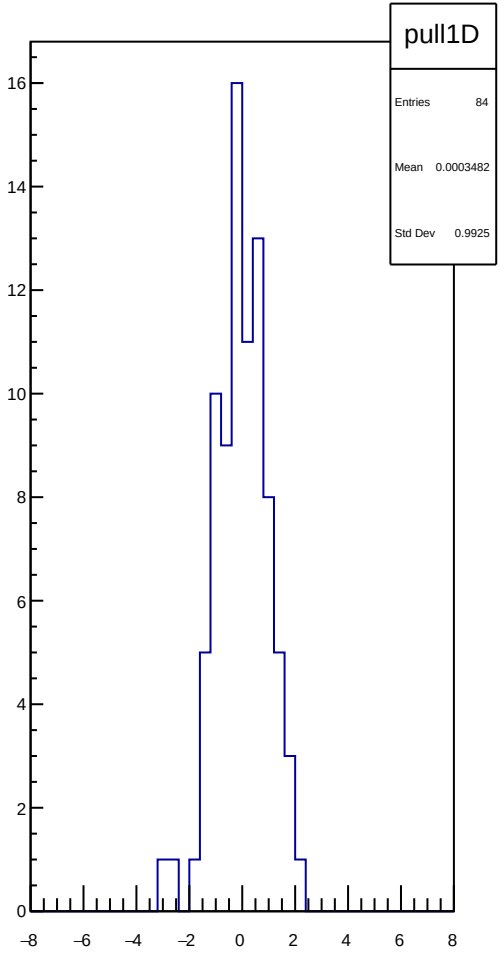

dit_asym_atr_avg_rms vs run
χ² / ndf 8168 / 83
p0 1868 ± 1.47
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

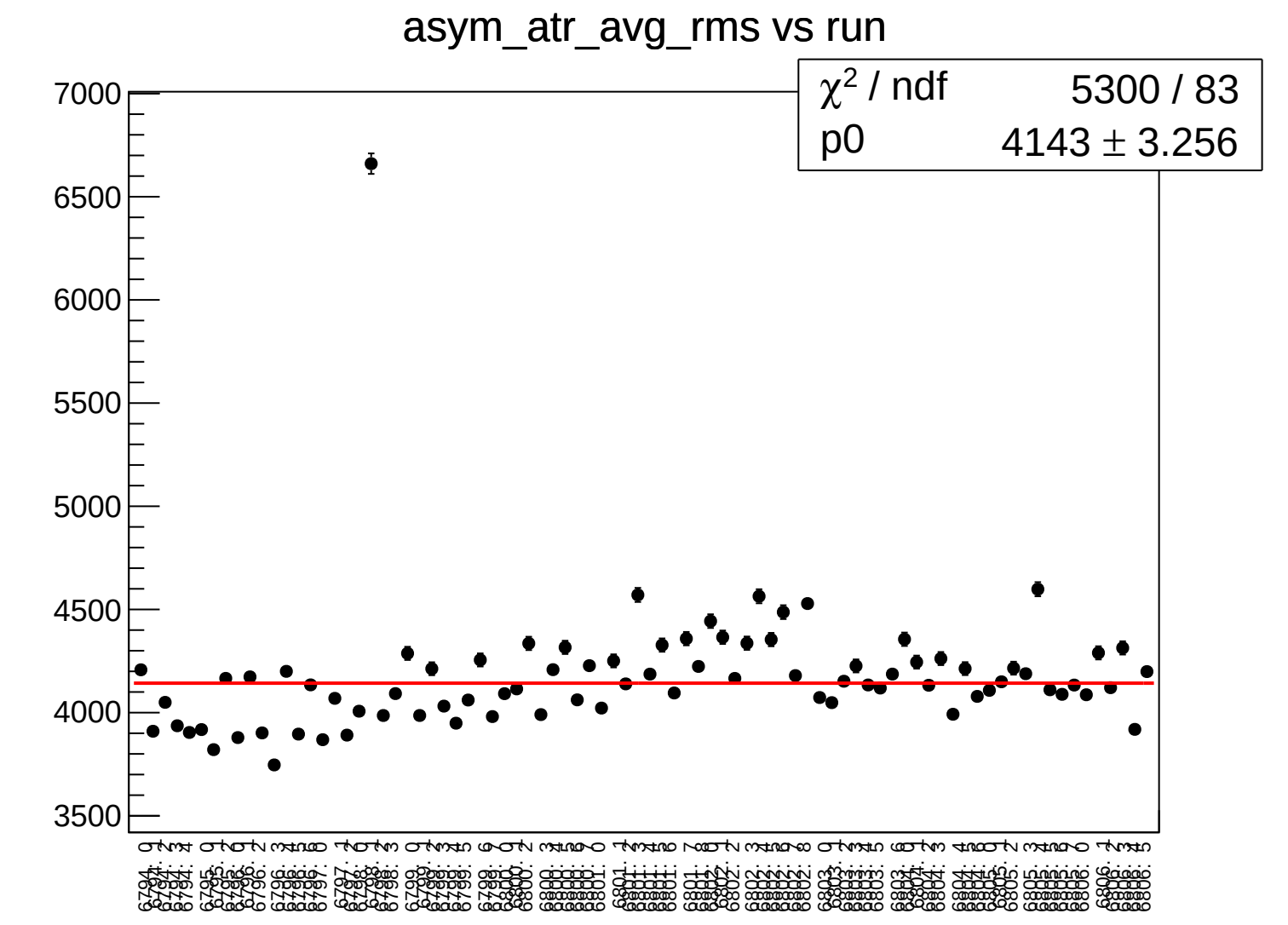

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 87.59 / 83
p0 −3457 ± 4155
150
100
50
0
−50
−100
−150
pull
Entries 84
Mean −514.7
Std Dev 568.4
3
2
1
0
−1
−2

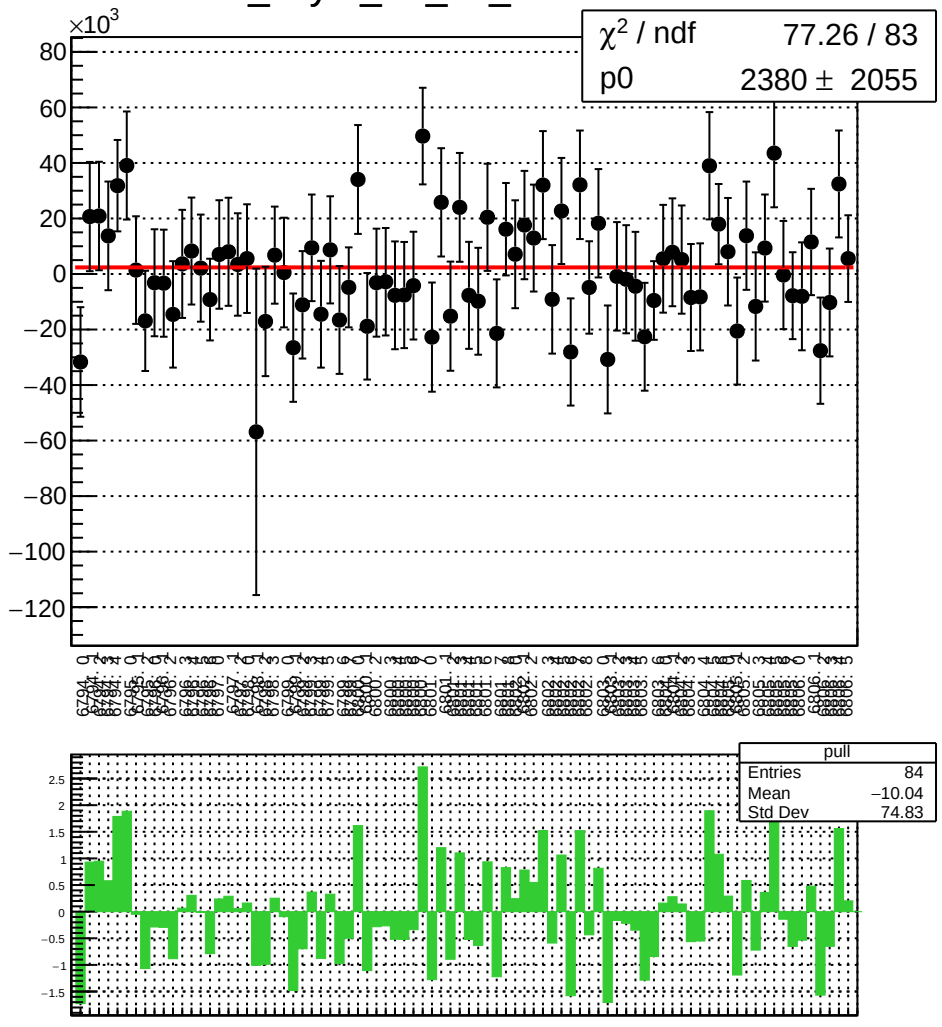

pull1D
Entries 84
Mean −0.005562
Std Dev 1.021
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

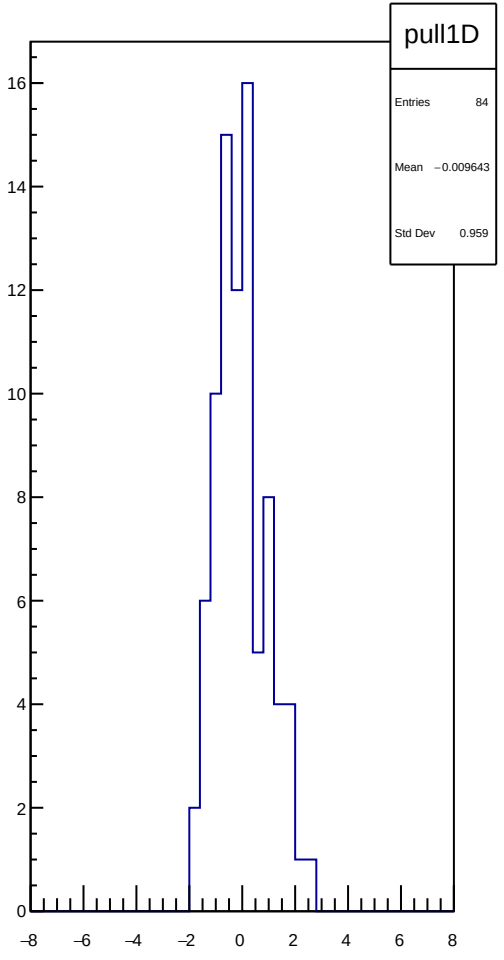

asym_atr_avg_correction_rms vs run
χ² / ndf 4113 / 83
p0 3739 ± 2.938
4400
4200
4000
3800
3600
3400

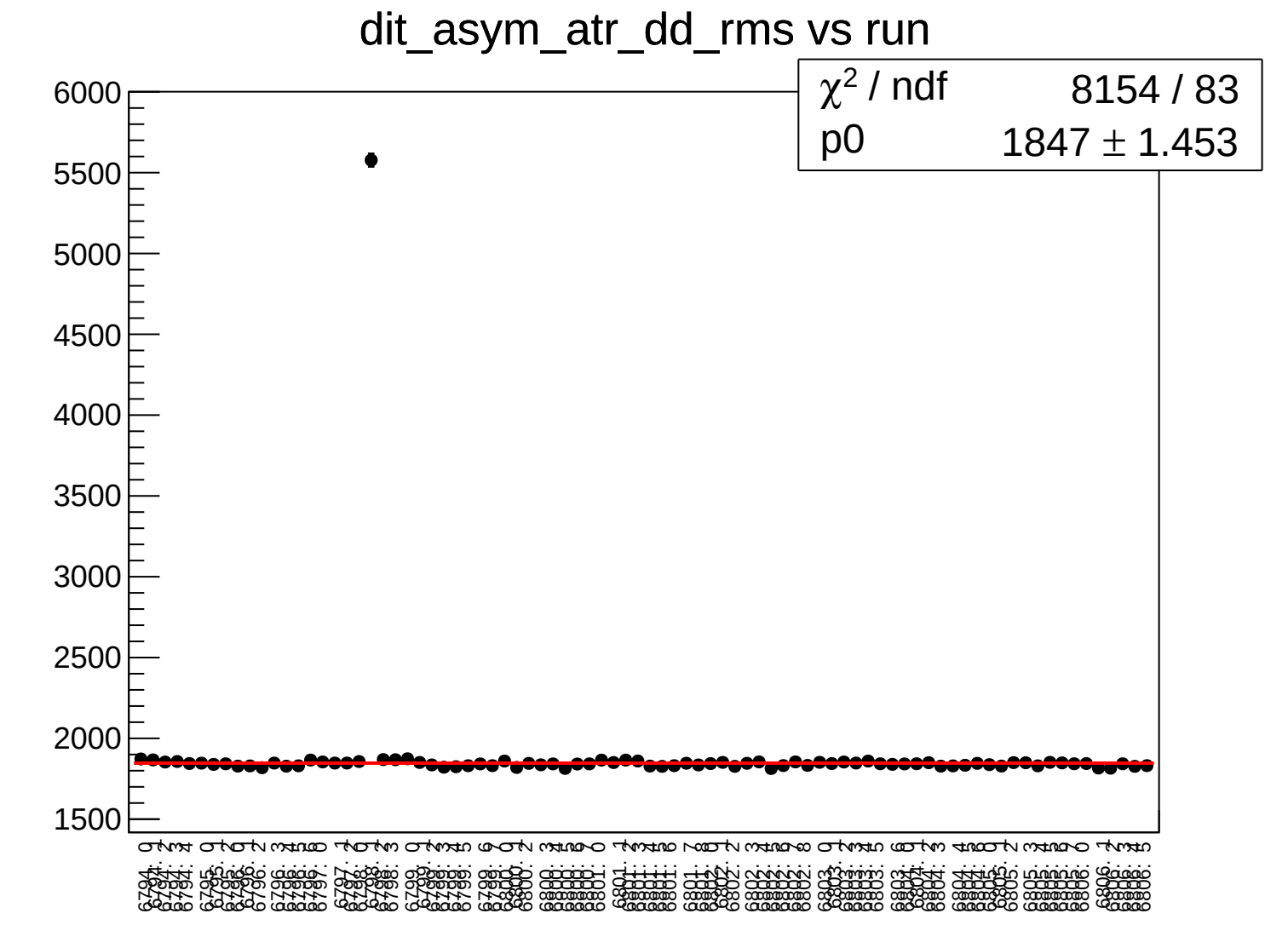

asym_atr_avg_mean vs run
×10^3
χ^2 / ndf 82.74 / 83
p0 4793 ± 4605
150
100
50
0
−50
−100
−150
−200
pull
Entries 84
Mean −9196
Std Dev 9254
2
1
0
−1
−2
−3

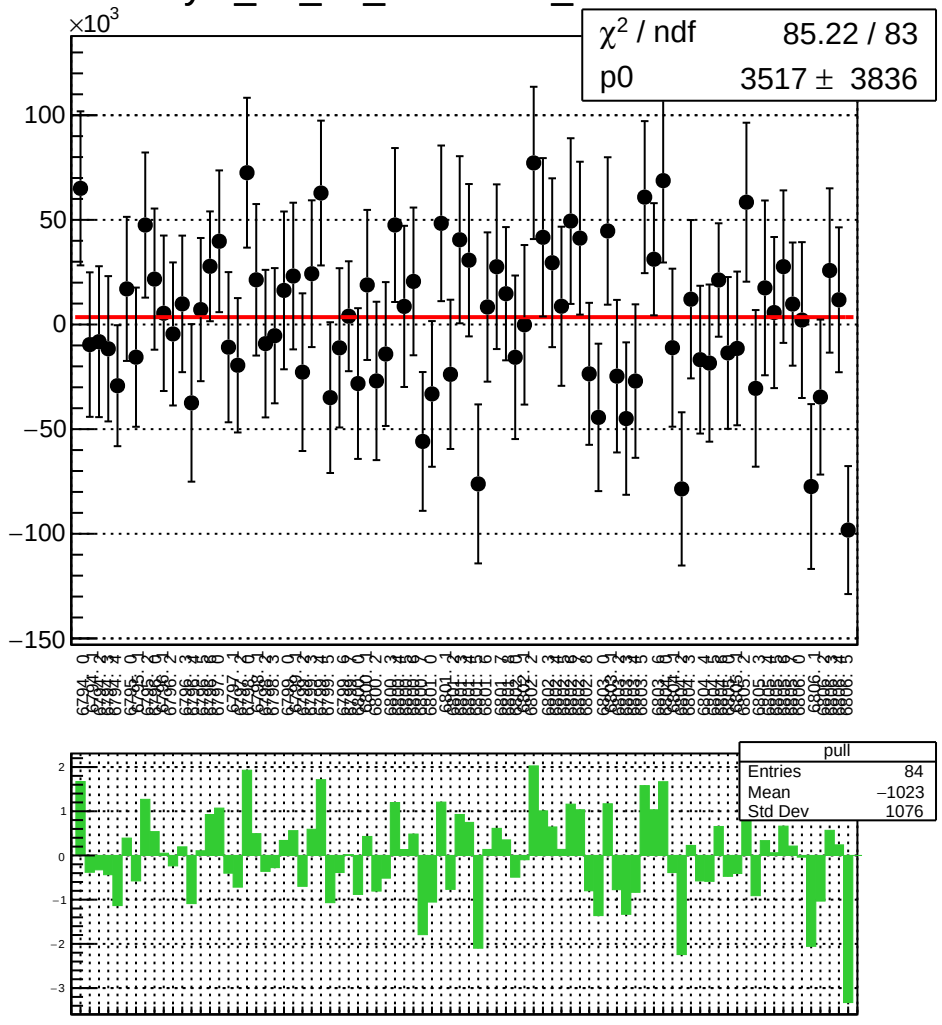

pull1D
Entries 84
Mean 0.0003482
Std Dev 0.9925
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

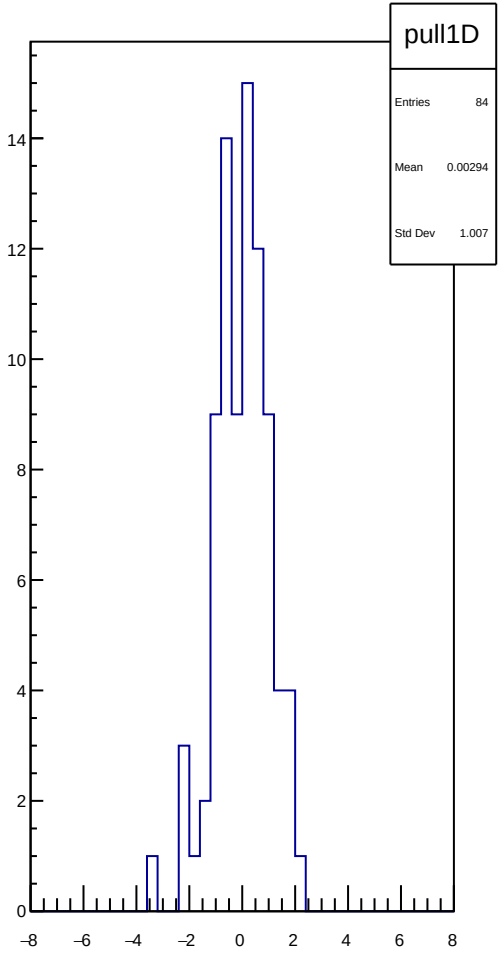

asym_atr_avg_rms vs run
χ^2 / ndf 5300 / 83
p0 4143 ± 3.256
7000
6500
6000
5500
5000
4500
4000
3500

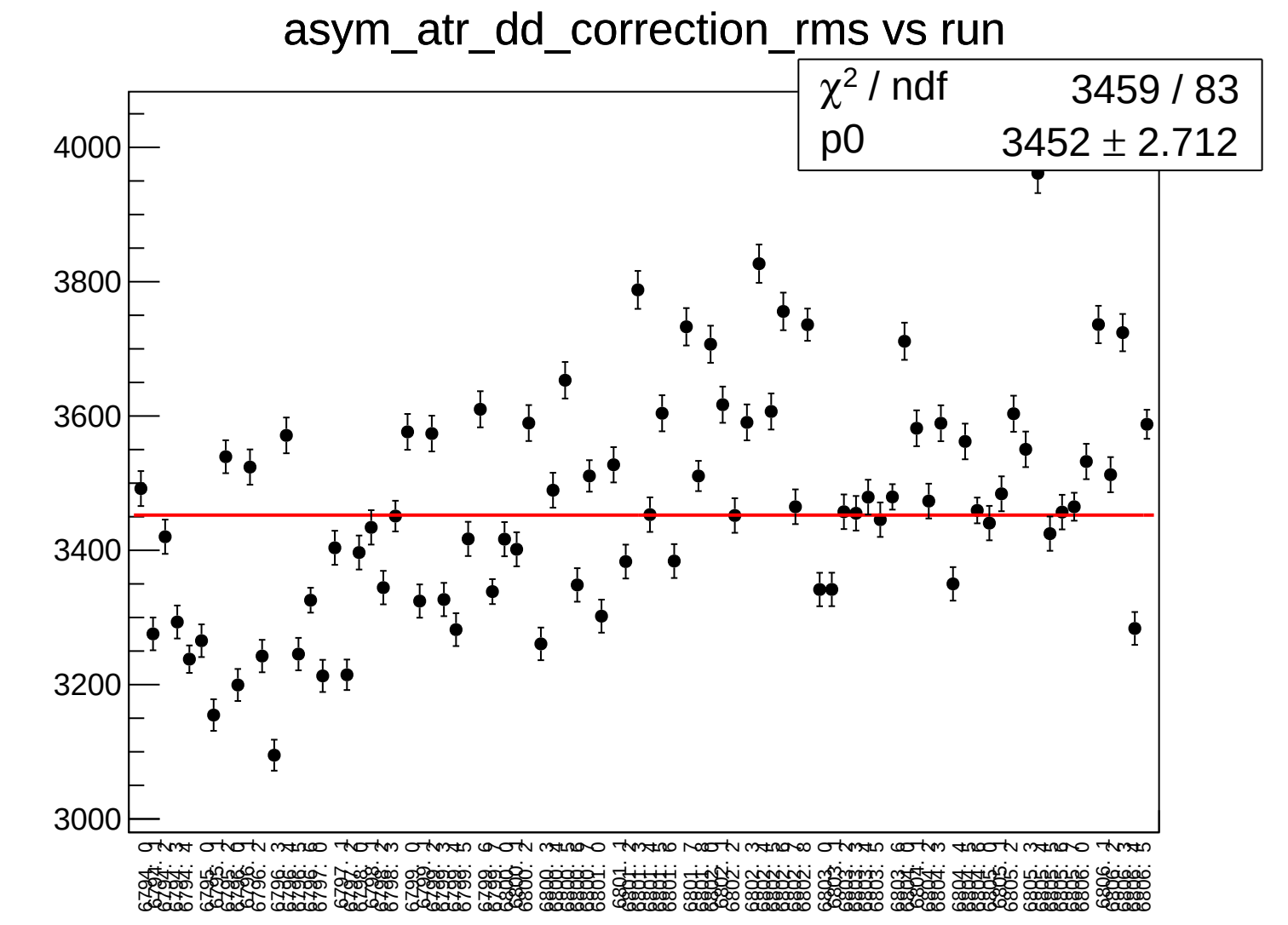

dit_asym_atr_dd_mean vs run
χ^2 / ndf 77.26 / 83
p0 2380 ± 2055
×10^3
pull
Entries 84
Mean −10.04
Std Dev 74.83

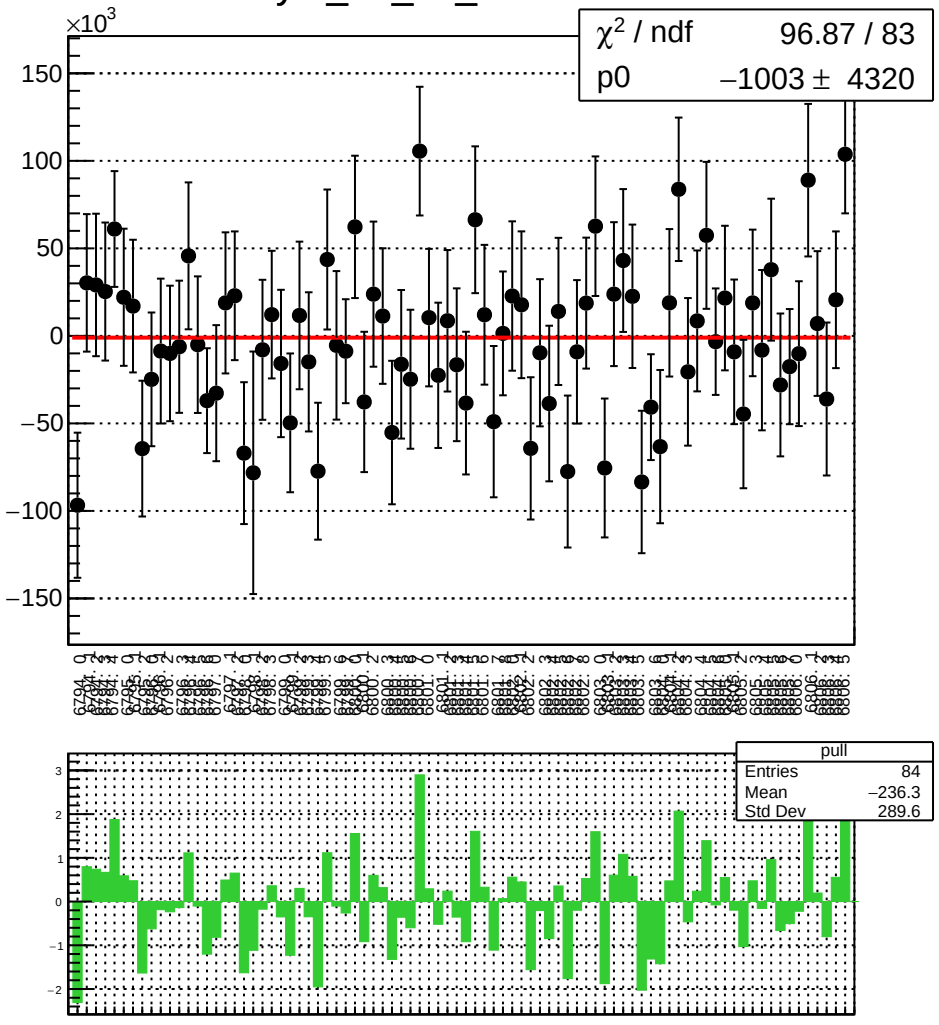

pull1D
Entries 84
Mean −0.009643
Std Dev 0.959

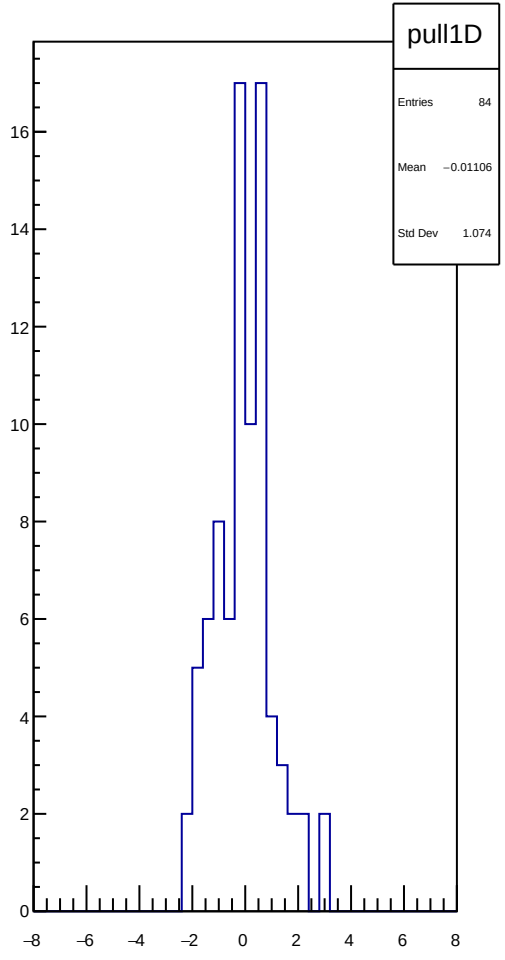

dit_asym_atr_dd_rms vs run
χ^2 / ndf 8154 / 83
p0 1847 ± 1.453
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

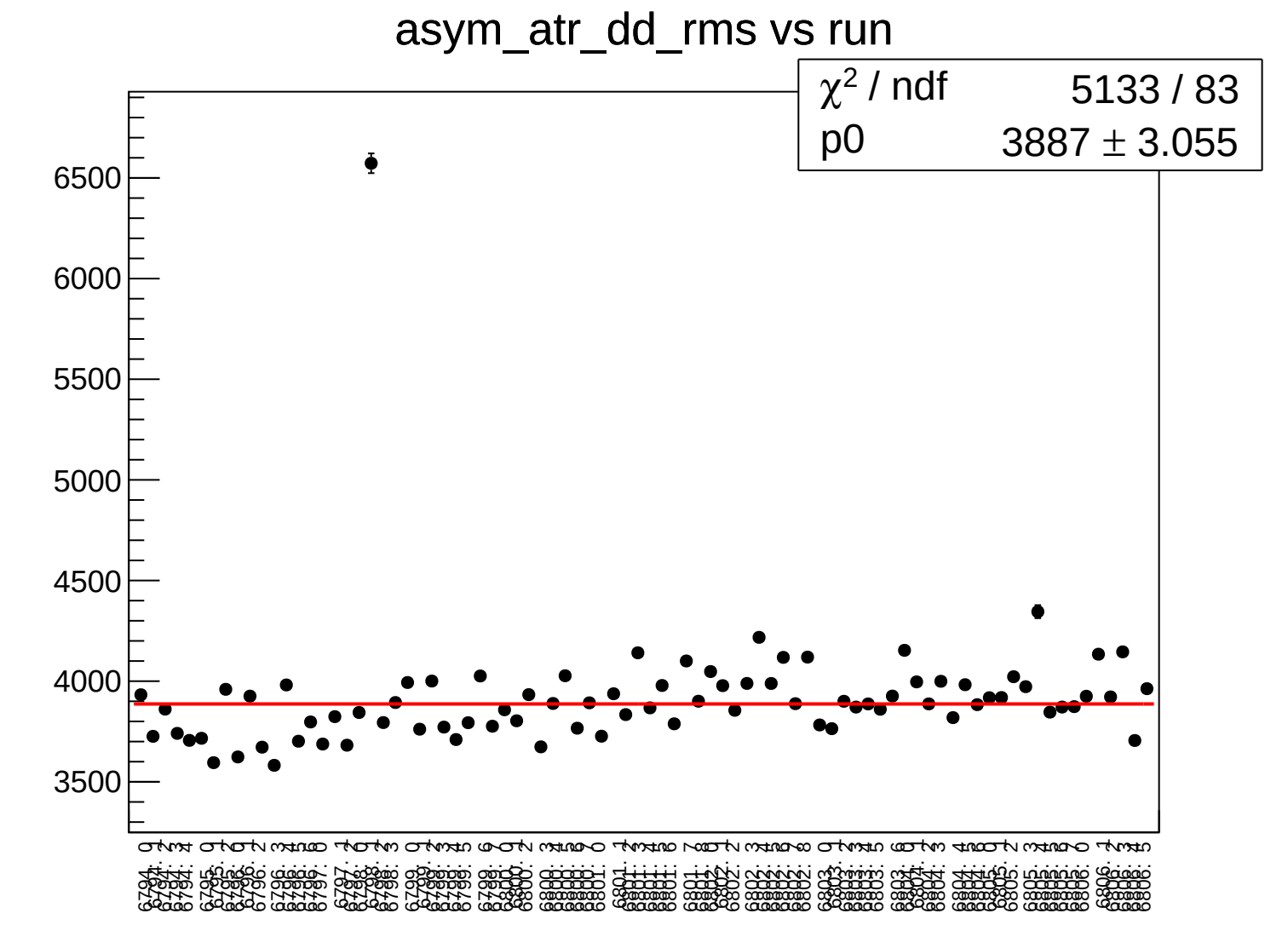

asym_atr_dd_correction_mean vs run
×10^3
χ^2 / ndf 85.22 / 83
p0 3517 ± 3836
100
50
0
−50
−100
−150
pull
Entries 84
Mean −1023
Std Dev 1076
2
1
0
−1
−2
−3

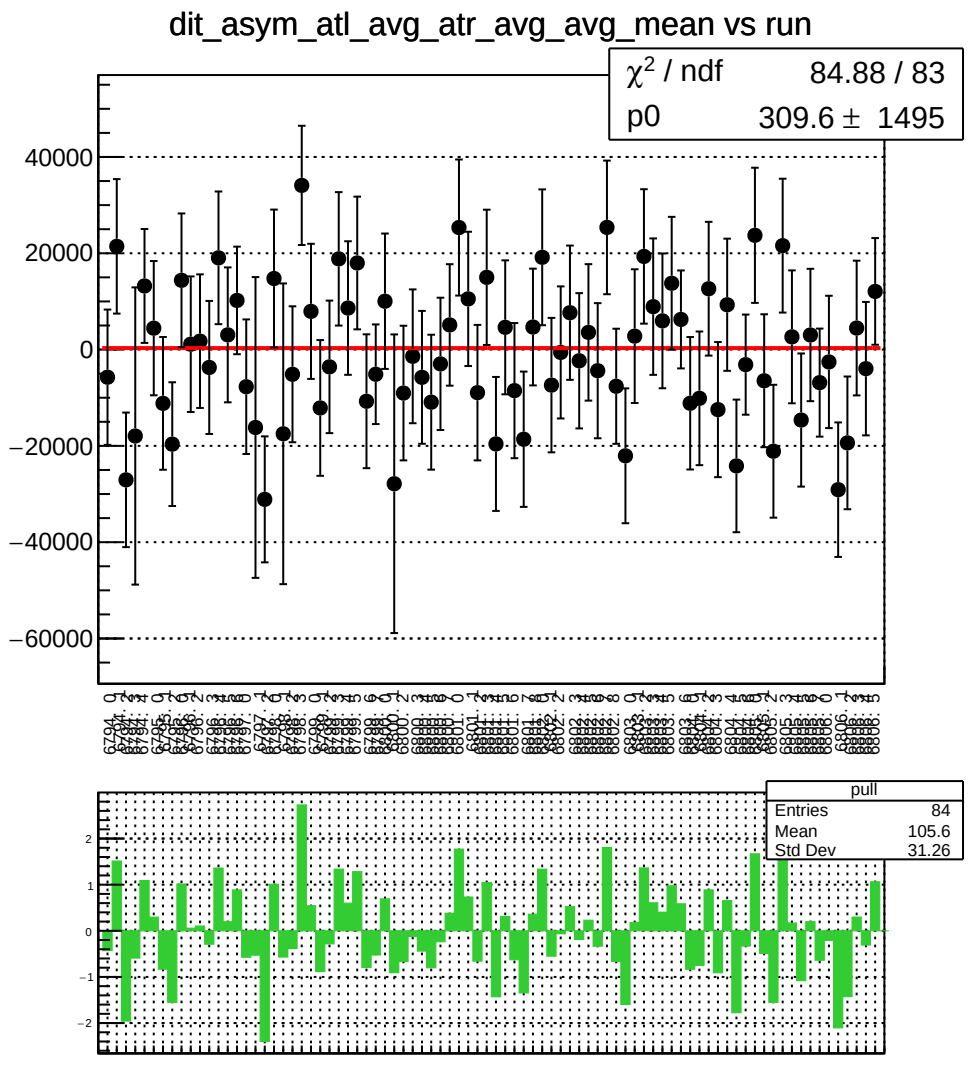

pull1D
Entries 84
Mean 0.00294
Std Dev 1.007
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

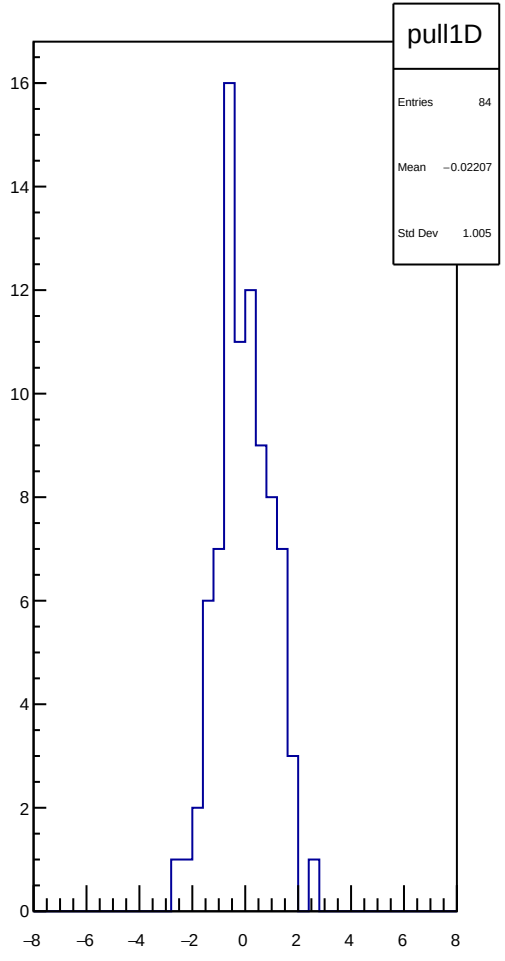

asym_atr_dd_correction_rms vs run
χ² / ndf 3459 / 83
p0 3452 ± 2.712
4000
3800
3600
3400
3200
3000

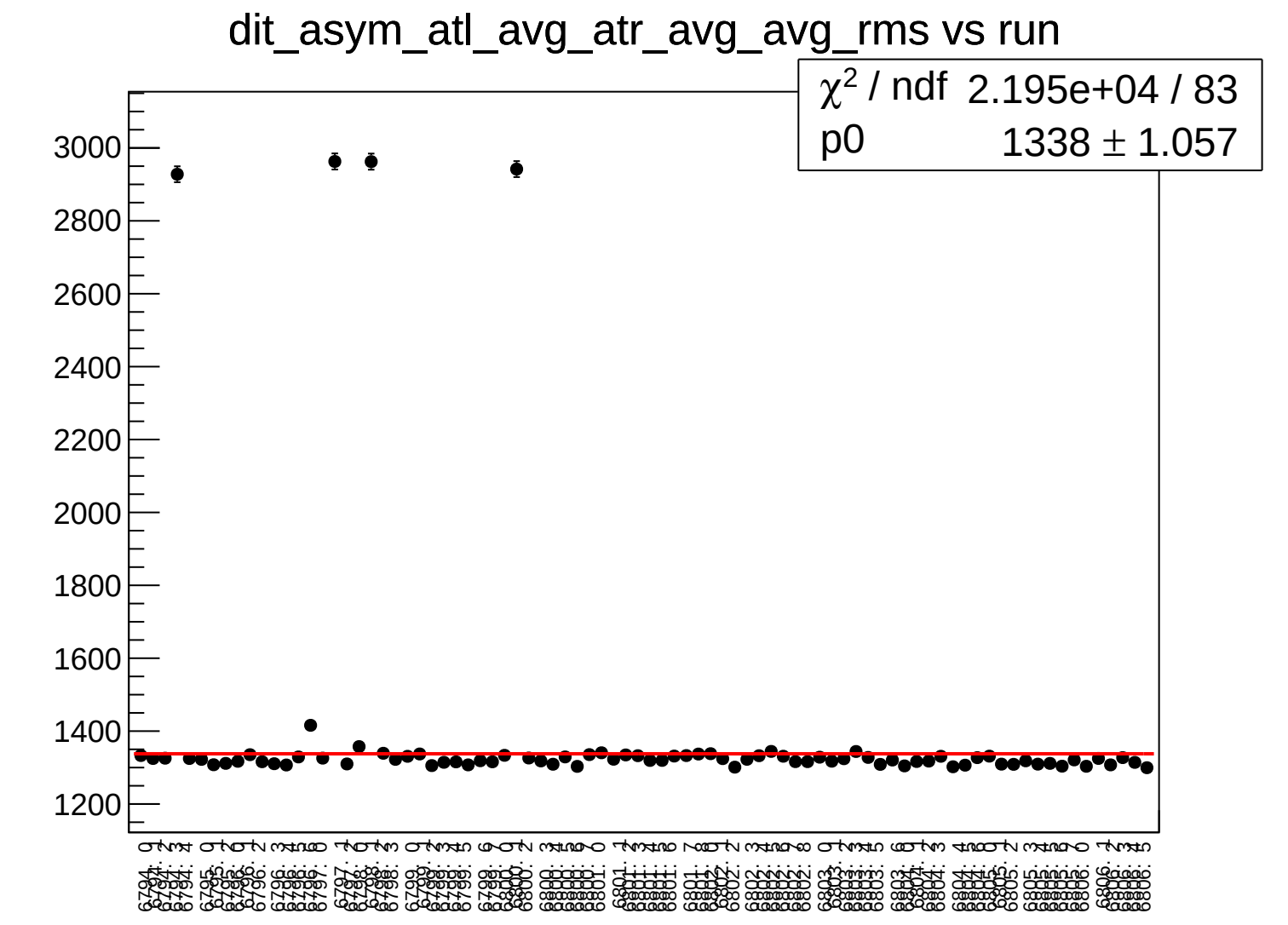

asym_atr_dd_mean vs run
×10^3
χ² / ndf 96.87 / 83
p0 −1003 ± 4320
150
100
50
0
−50
−100
−150
pull
Entries 84
Mean −236.3
Std Dev 289.6
3
2
1
0
−1
−2

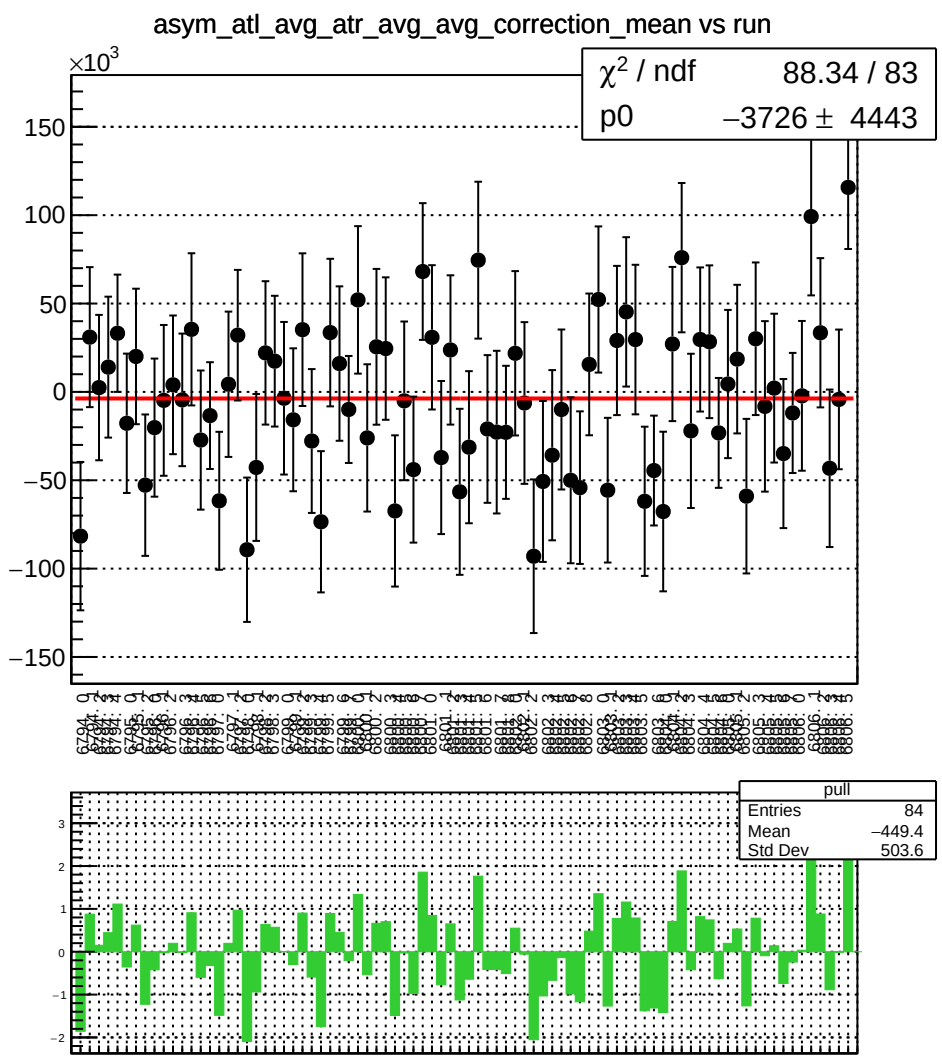

pull1D
Entries 84
Mean −0.01106
Std Dev 1.074
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

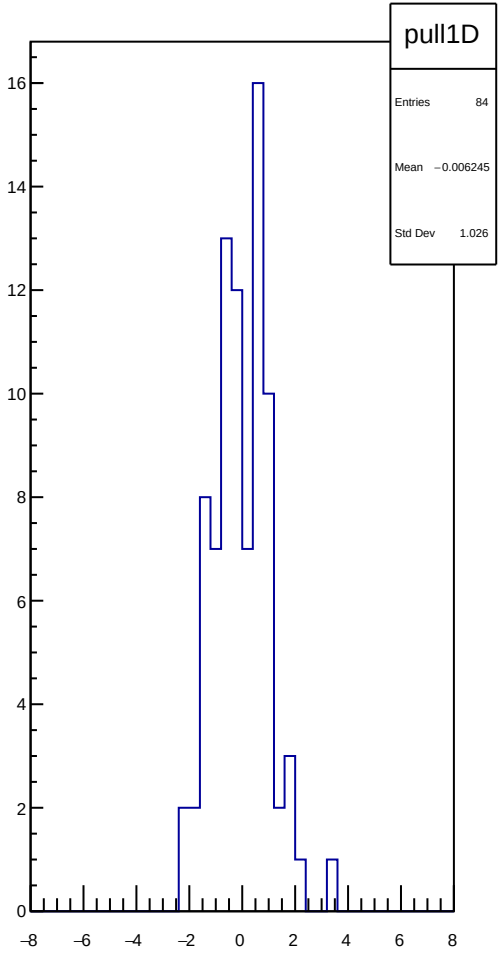

asym_atr_dd_rms vs run
χ^2 / ndf 5133 / 83
p0 3887 ± 3.055
6500
6000
5500
5000
4500
4000
3500

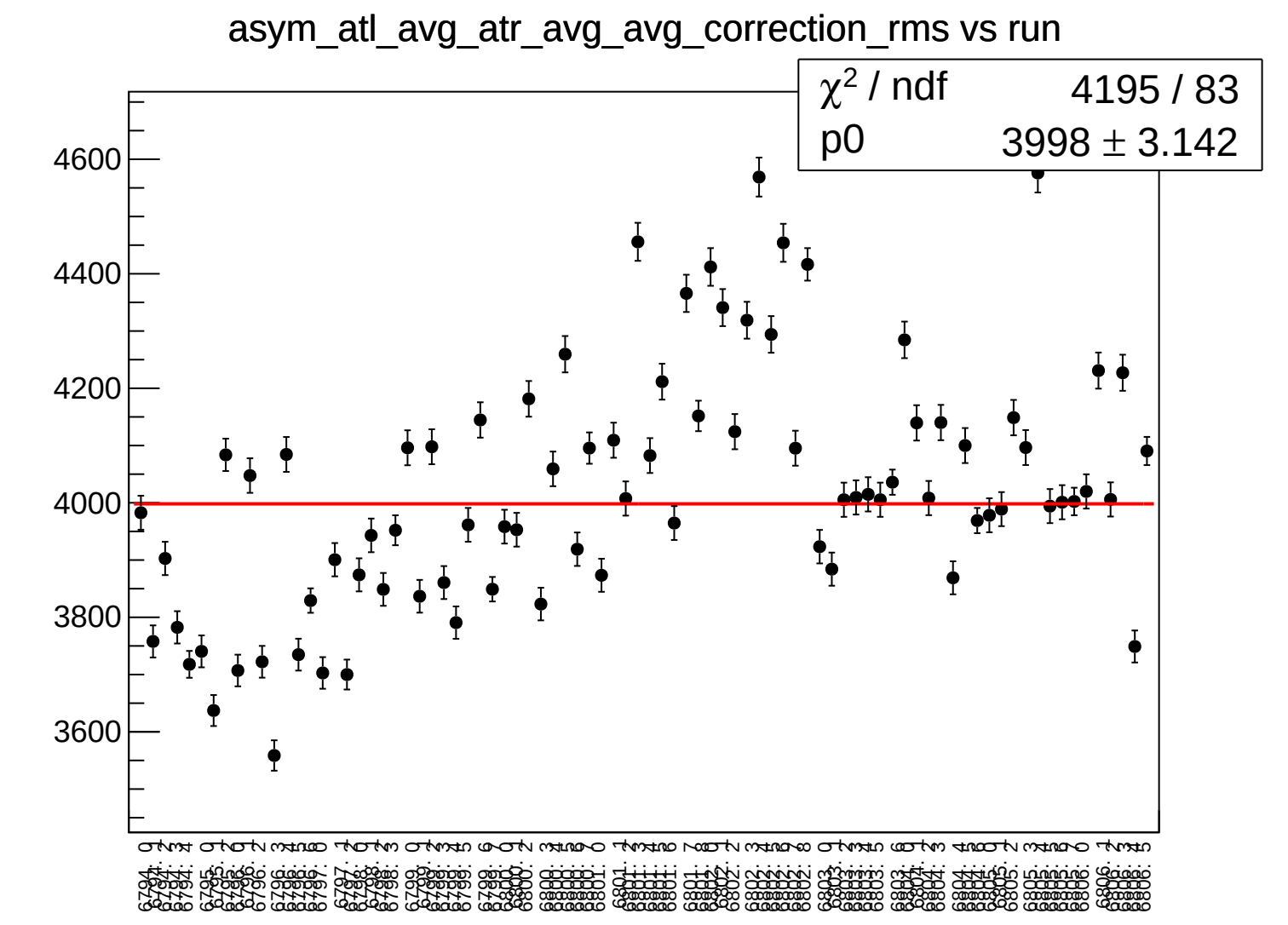

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 84.88 / 83
p0 309.6 ± 1495
40000
20000
0
−20000
−40000
−60000
pull
Entries 84
Mean 105.6
Std Dev 31.26
2
1
0
−1
−2

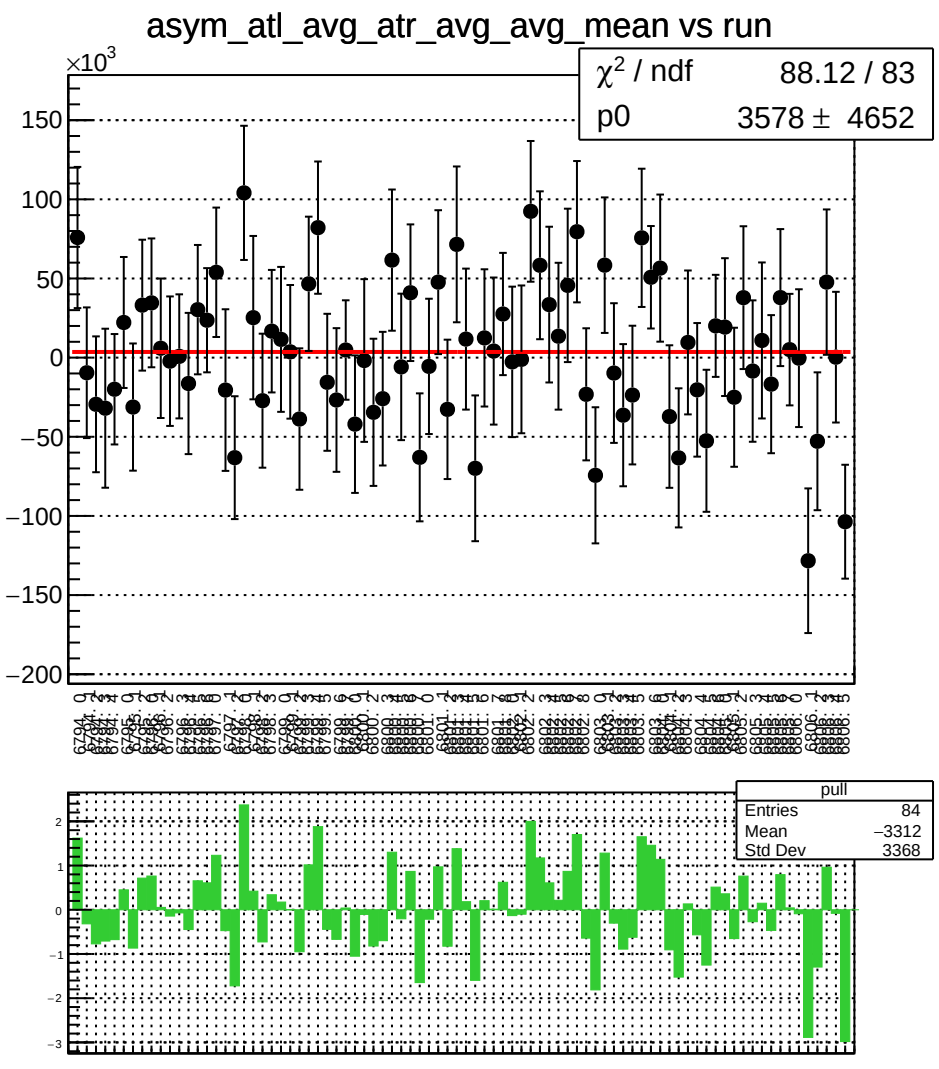

pull1D
Entries 84
Mean −0.02207
Std Dev 1.005
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

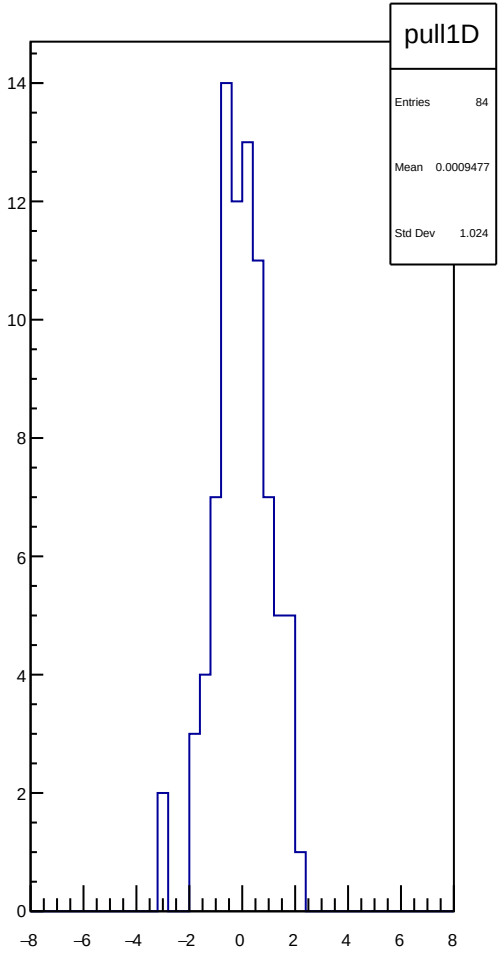

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ^2 / ndf 2.195e+04 / 83
p0 1338 ± 1.057
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

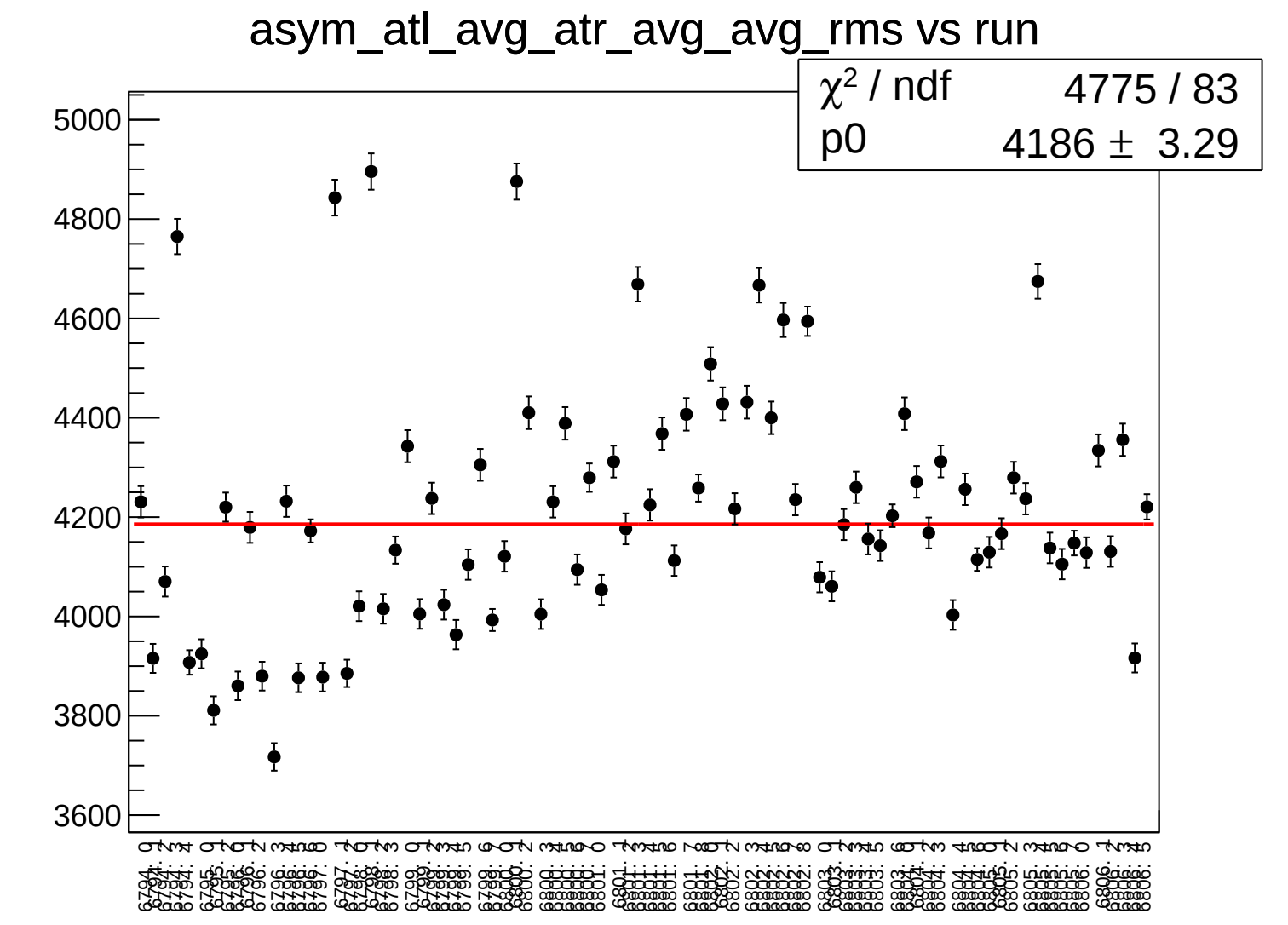

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 88.34 / 83
p0 −3726 ± 4443
150
100
50
0
−50
−100
−150
pull
Entries 84
Mean −449.4
Std Dev 503.6
3
2
1
0
−1
−2

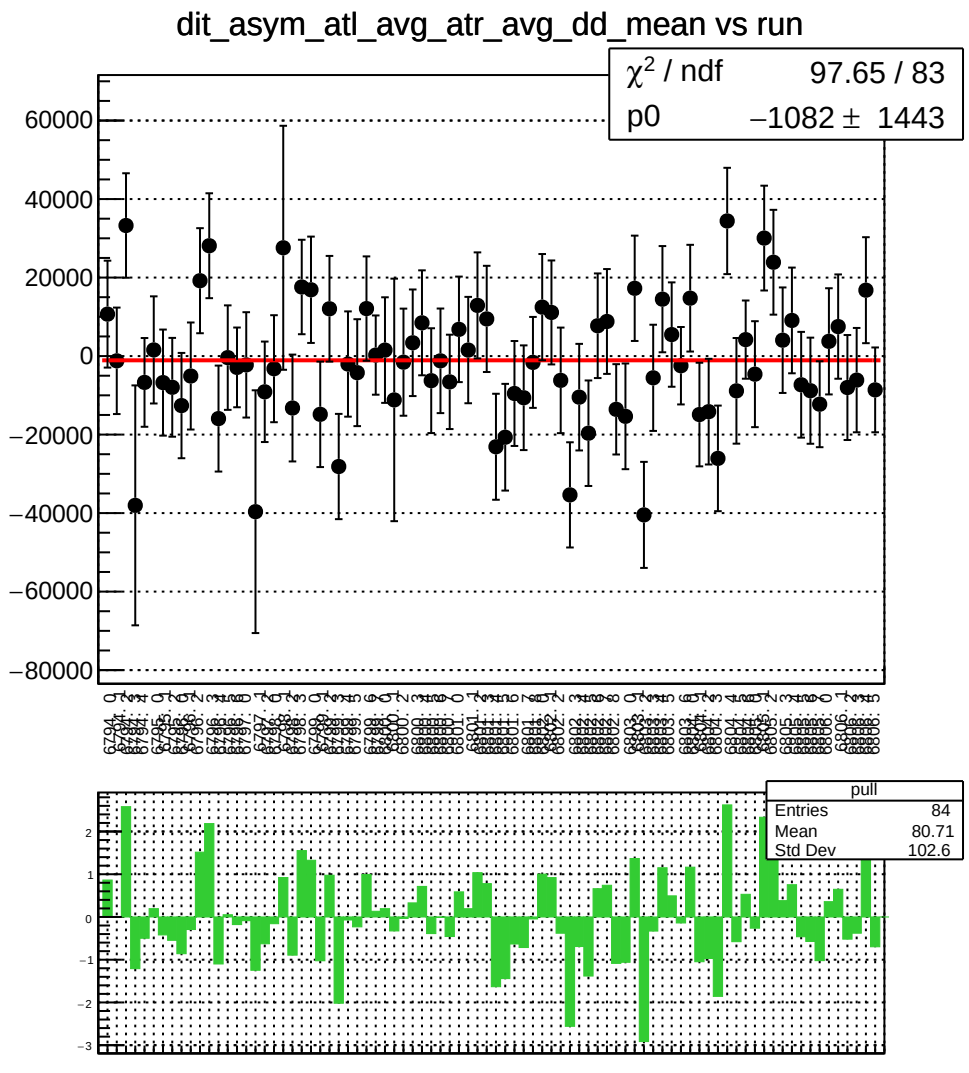

pull1D
Entries 84
Mean −0.006245
Std Dev 1.026
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

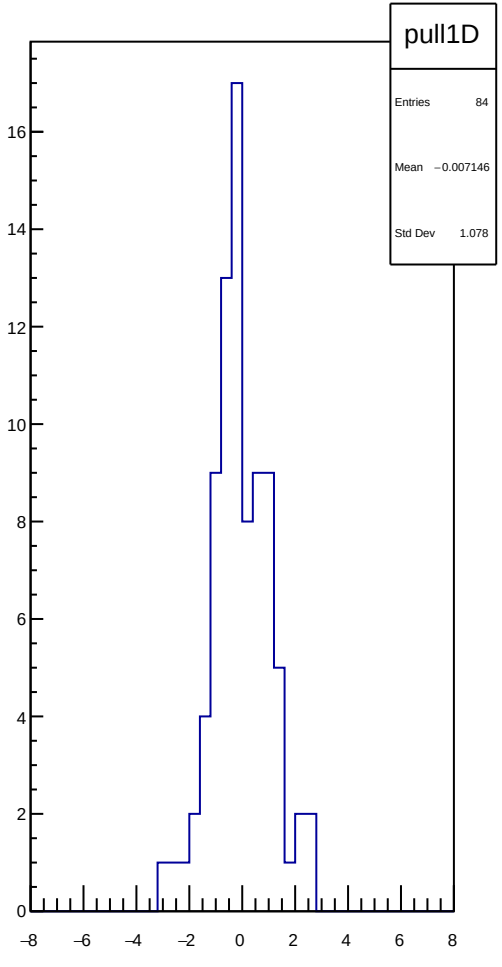

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 4195 / 83
p0 3998 ± 3.142
4600
4400
4200
4000
3800
3600

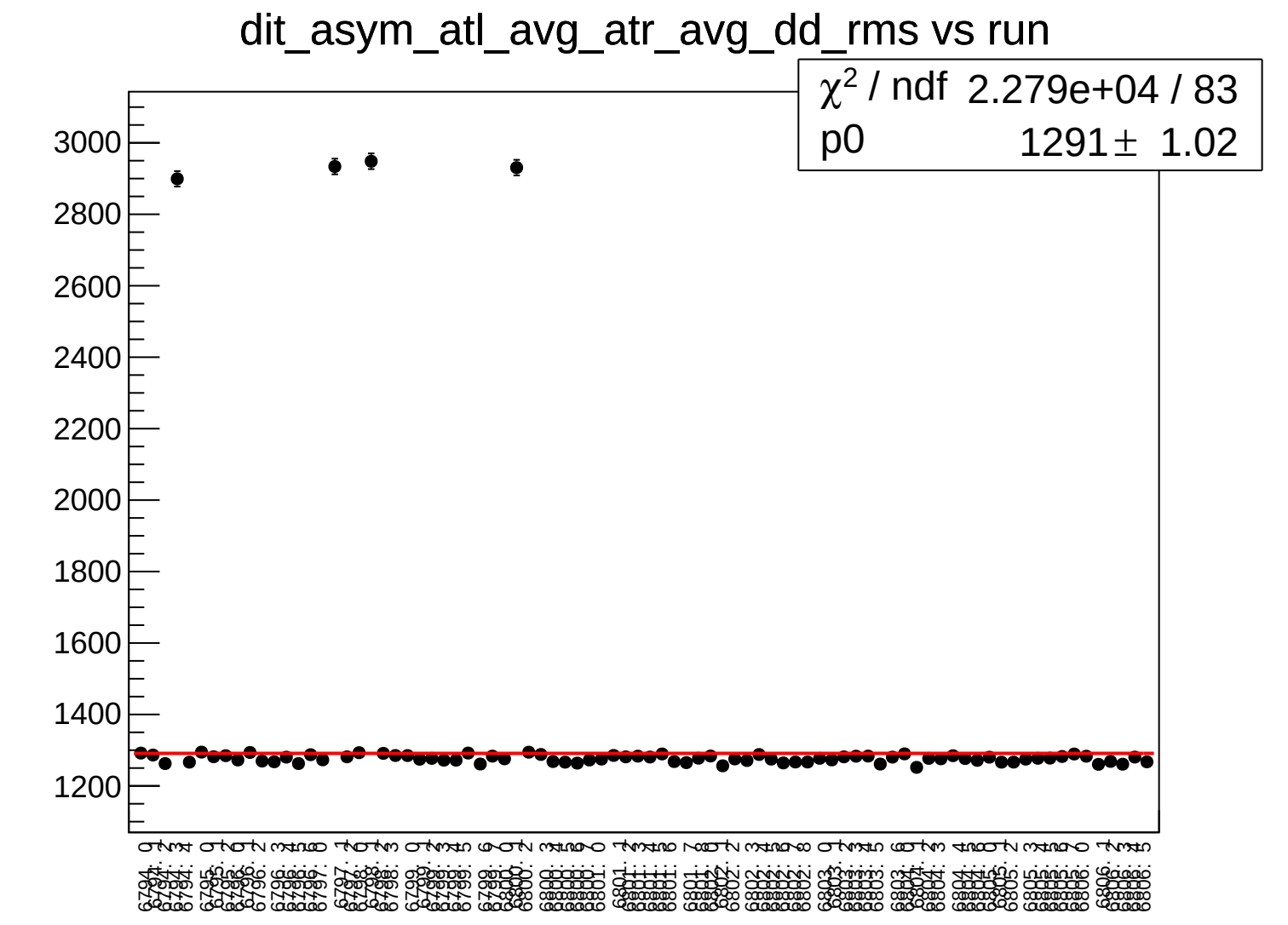

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 88.12 / 83
p0 3578 ± 4652
150
100
50
0
−50
−100
−150
−200
pull
Entries 84
Mean −3312
Std Dev 3368
2
1
0
−1
−2
−3

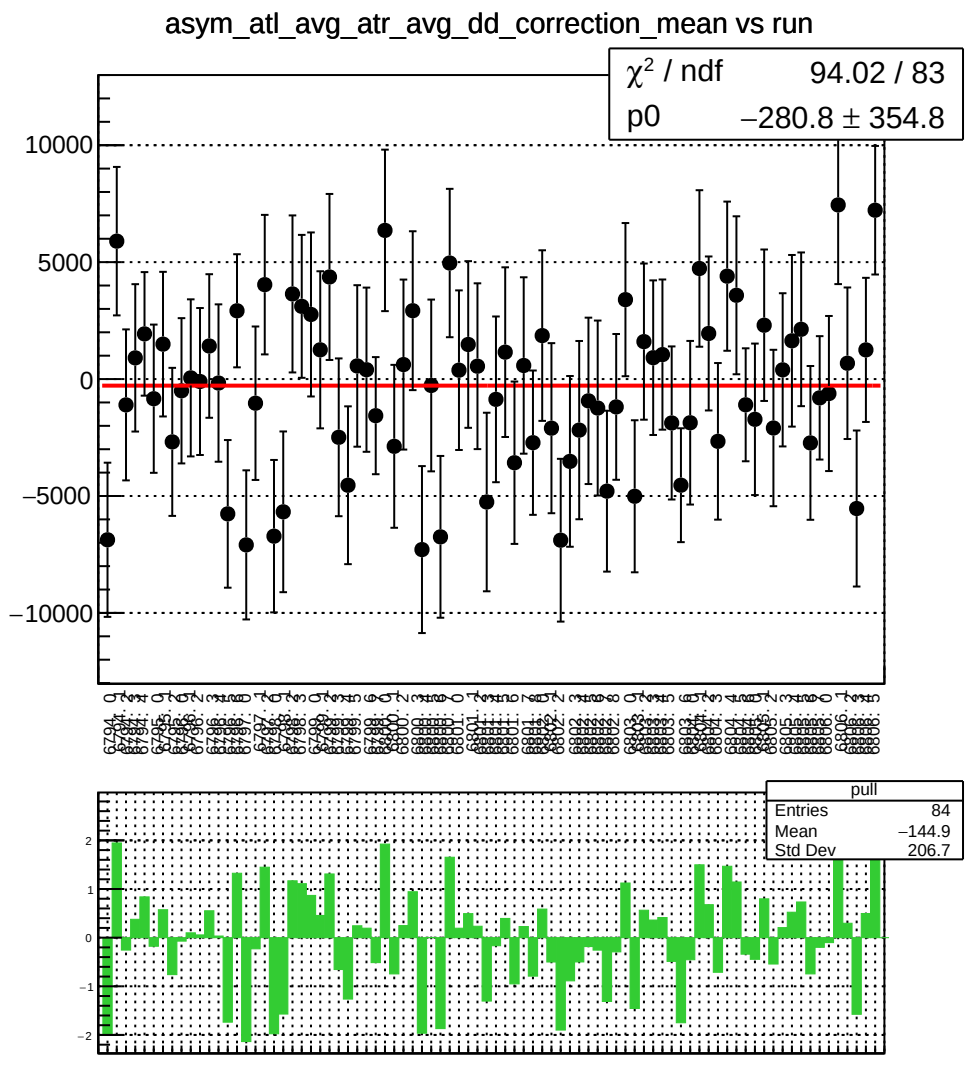

pull1D
Entries 84
Mean 0.0009477
Std Dev 1.024
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

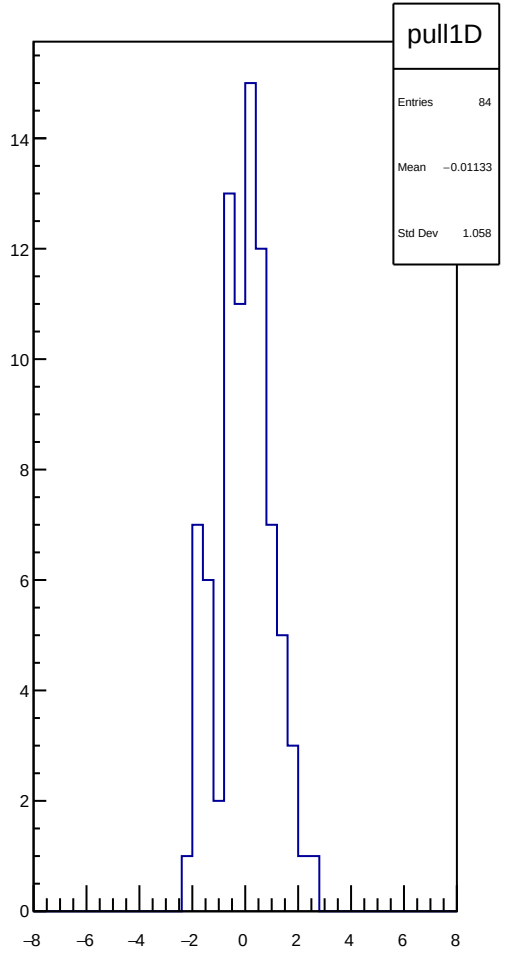

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 4775 / 83
p0 4186 ± 3.29
5000
4800
4600
4400
4200
4000
3800
3600

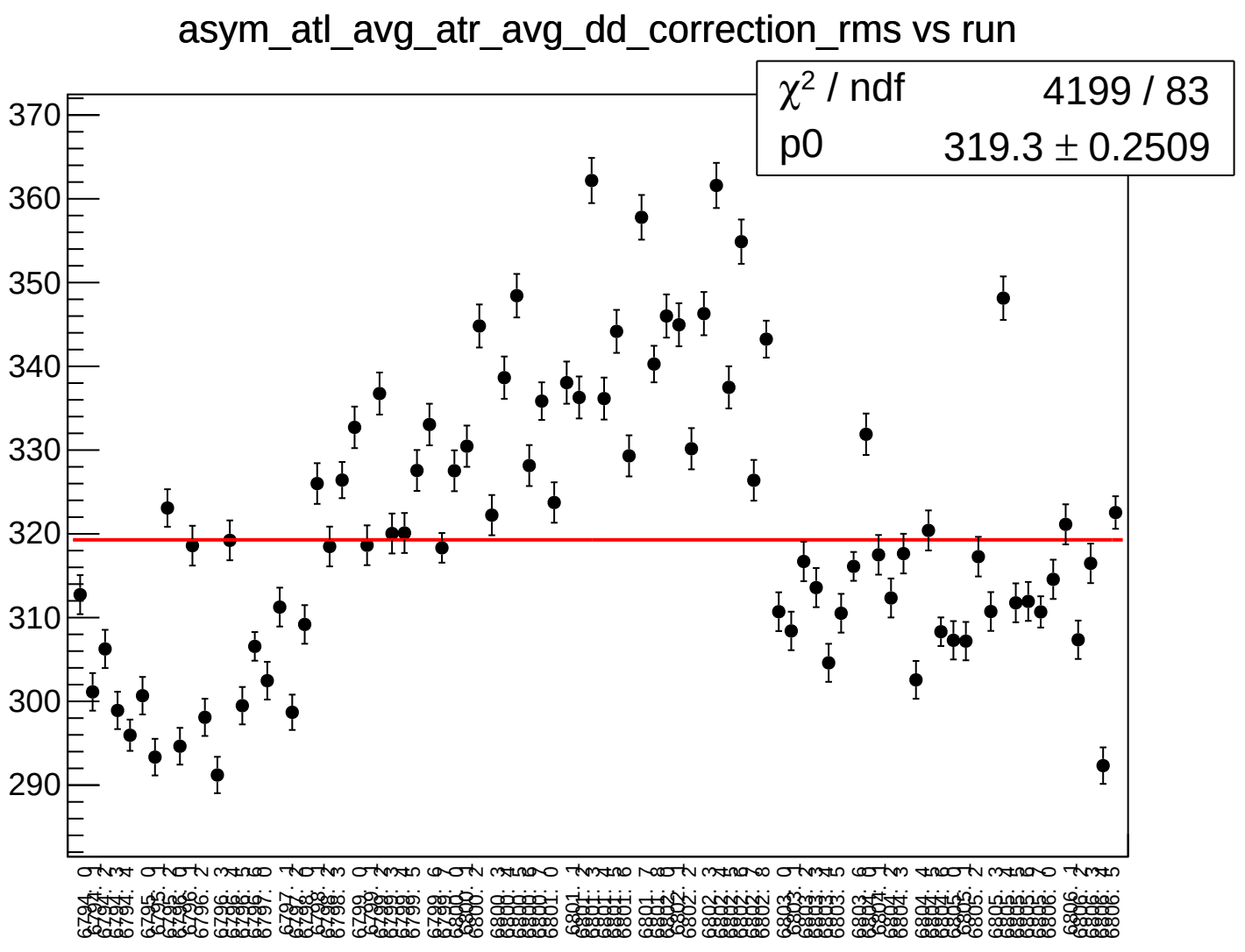

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 97.65 / 83
p0 −1082 ± 1443
pull
Entries 84
Mean 80.71
Std Dev 102.6

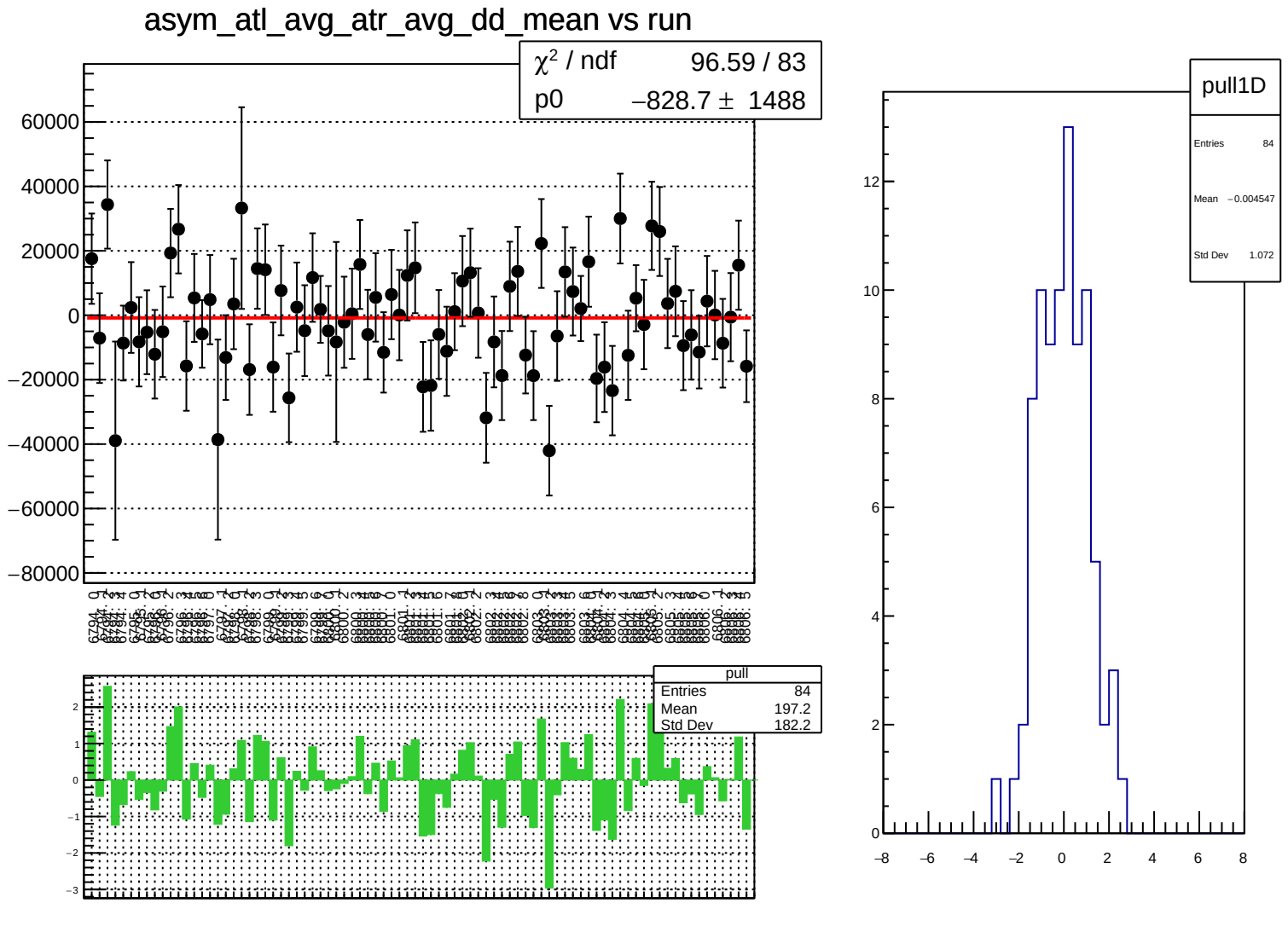

pull1D
Entries 84
Mean −0.007146
Std Dev 1.078

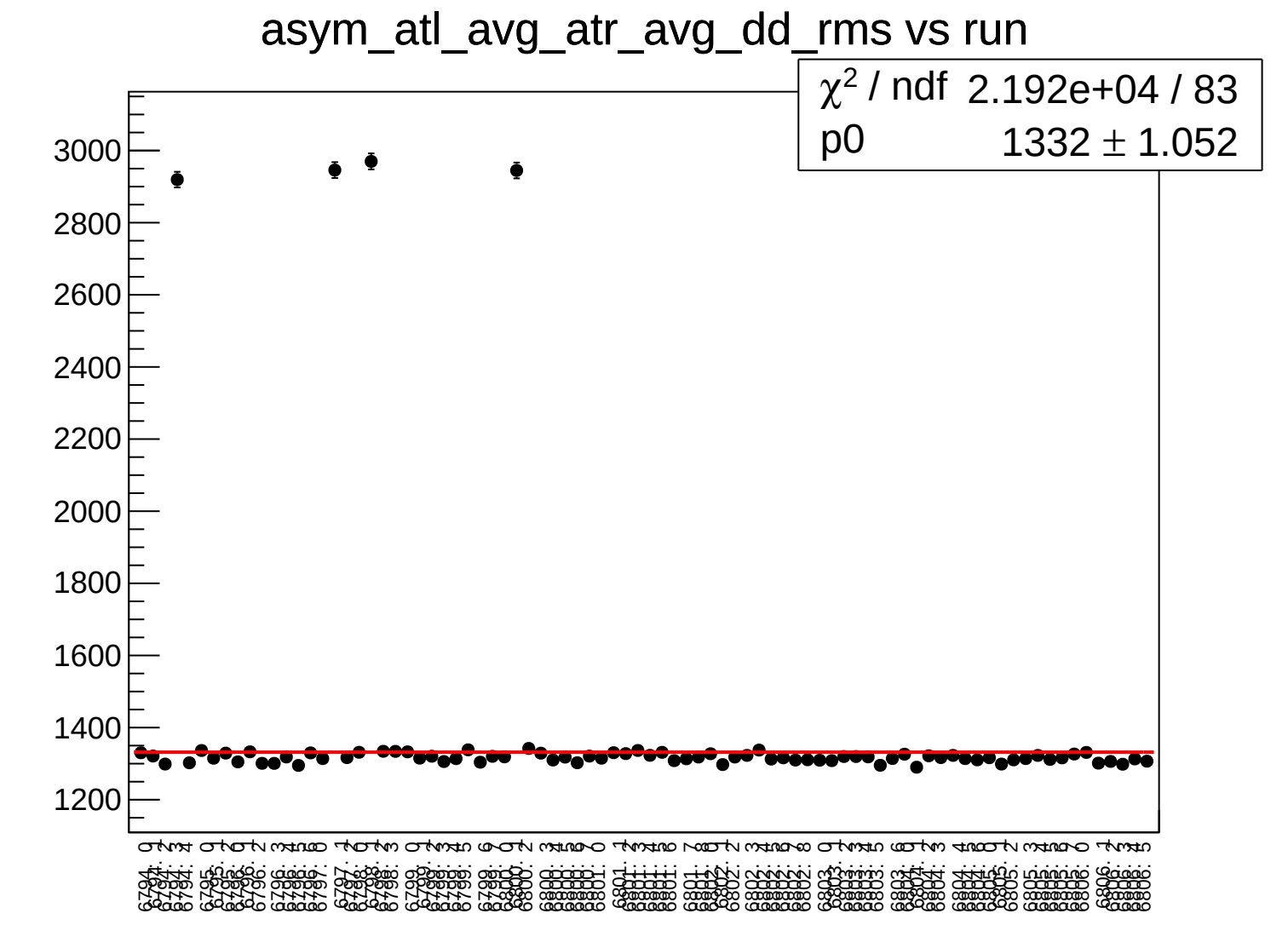

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 2.279e+04 / 83
p0 1291 ± 1.02
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

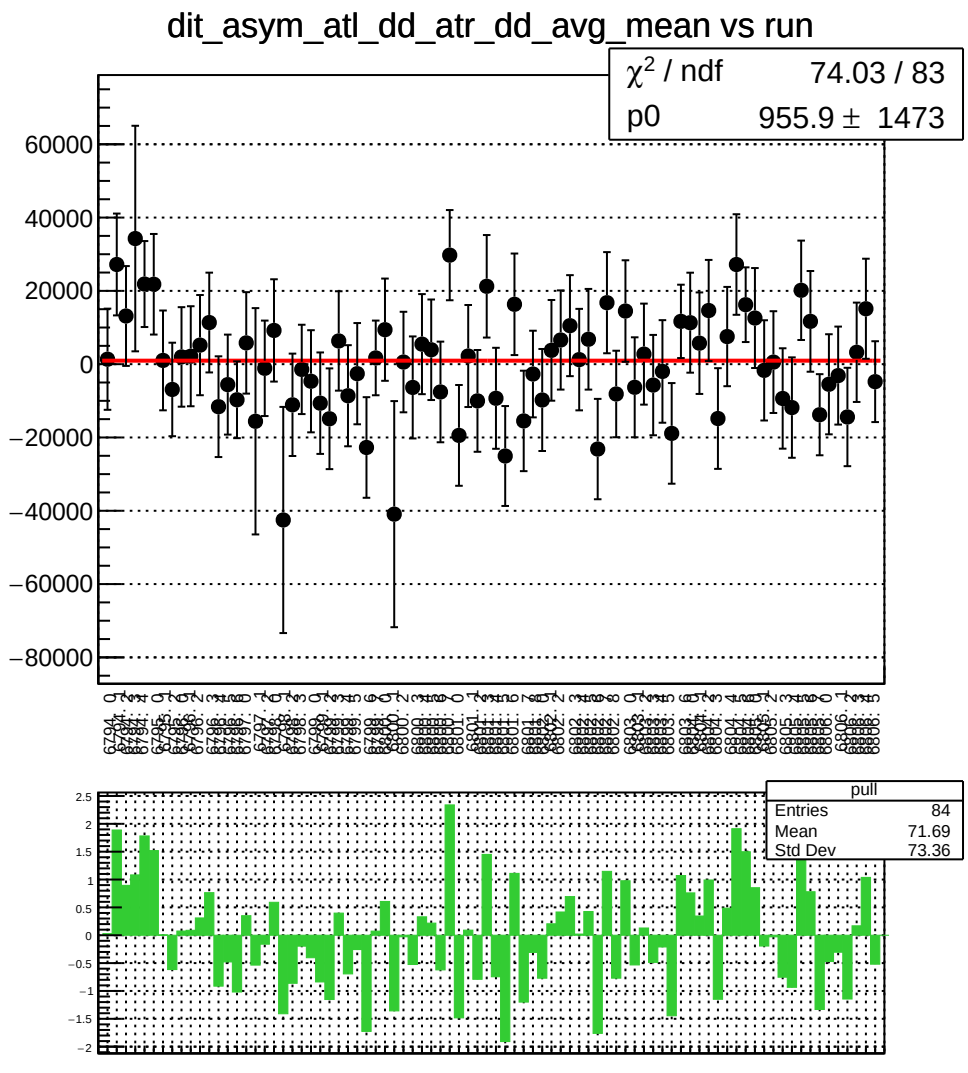

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 94.02 / 83
p0 −280.8 ± 354.8
10000
5000
0
−5000
−10000
pull
Entries 84
Mean −144.9
Std Dev 206.7
2
1
0
−1
−2

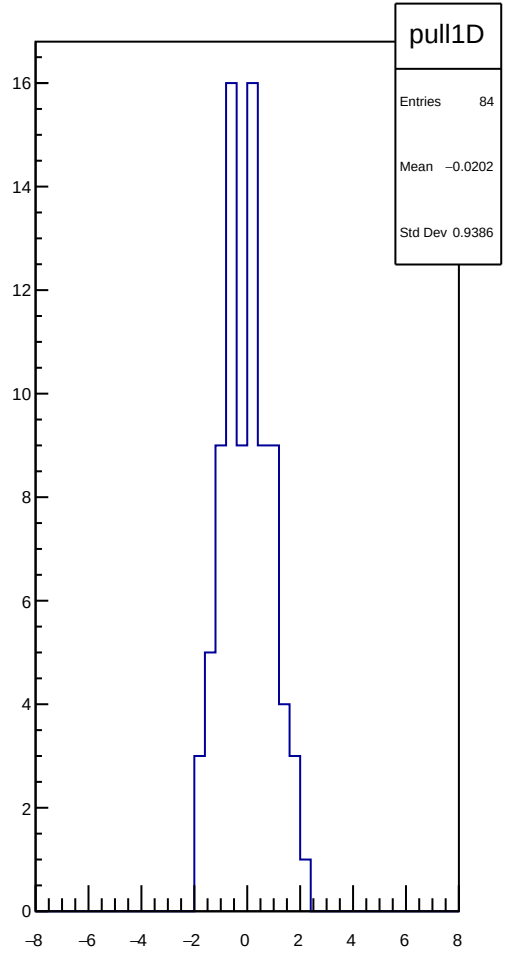

pull1D
Entries 84
Mean −0.01133
Std Dev 1.058
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

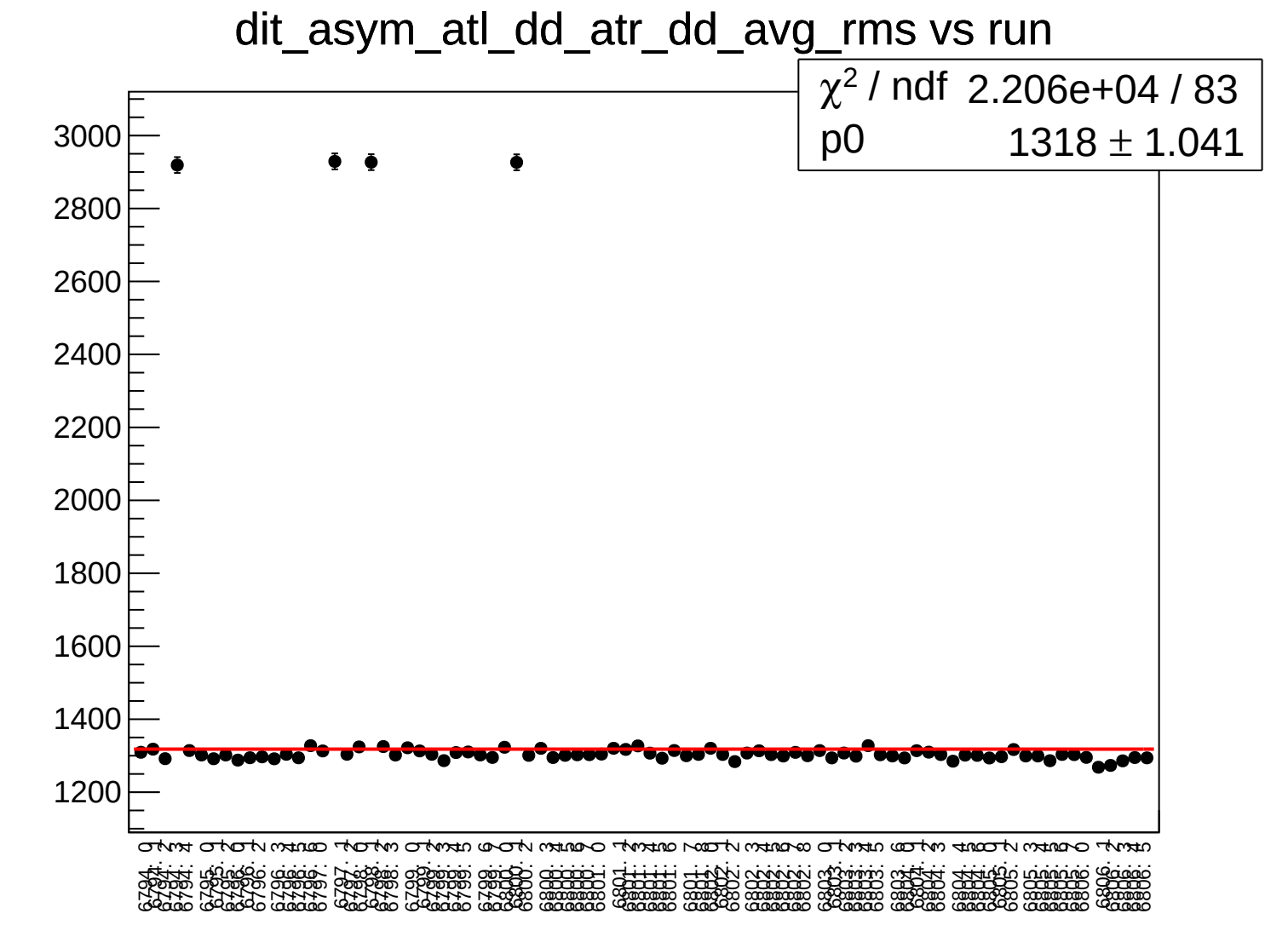

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 4199 / 83
p0 319.3 ± 0.2509
370
360
350
340
330
320
310
300
290

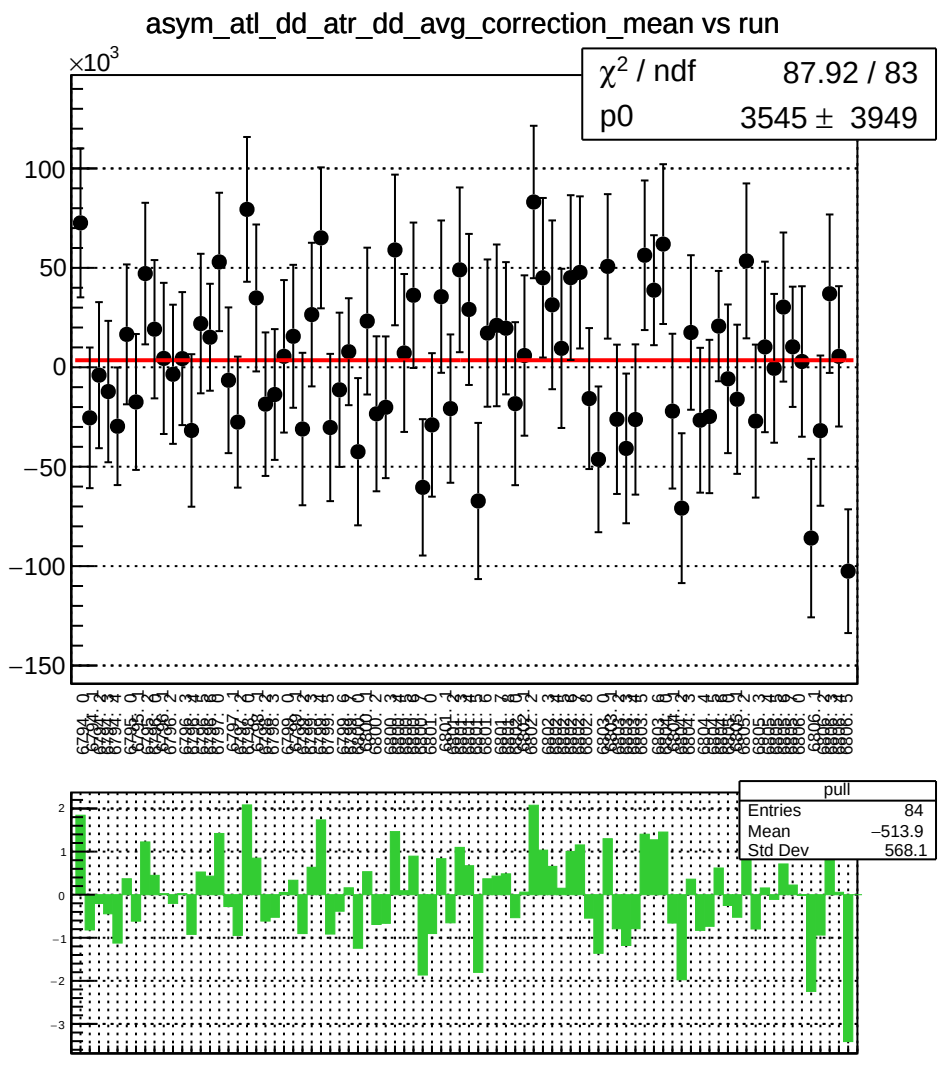

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 96.59 / 83
p0 −828.7 ± 1488
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 84
Mean 197.2
Std Dev 182.2
2
1
0
−1
−2
−3
pull1D
Entries 84
Mean −0.004547
Std Dev 1.072
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

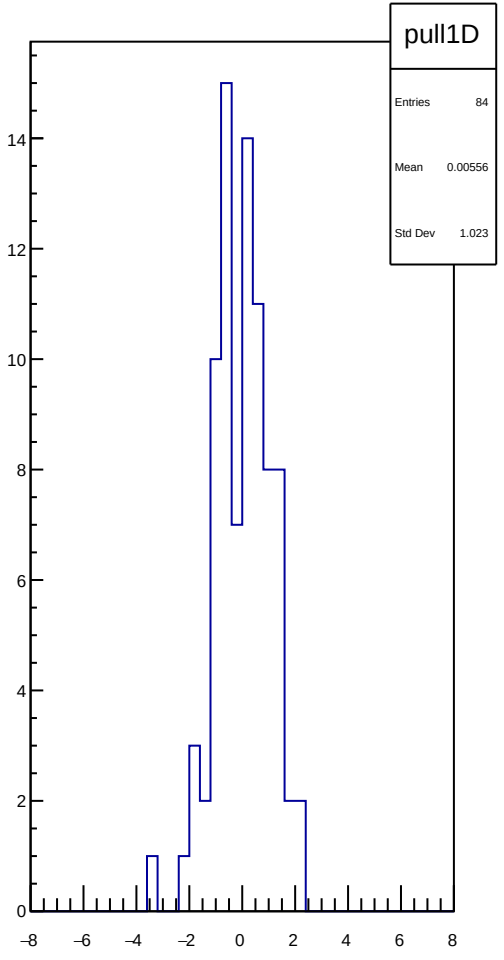

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 2.192e+04 / 83
p0 1332 ± 1.052
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

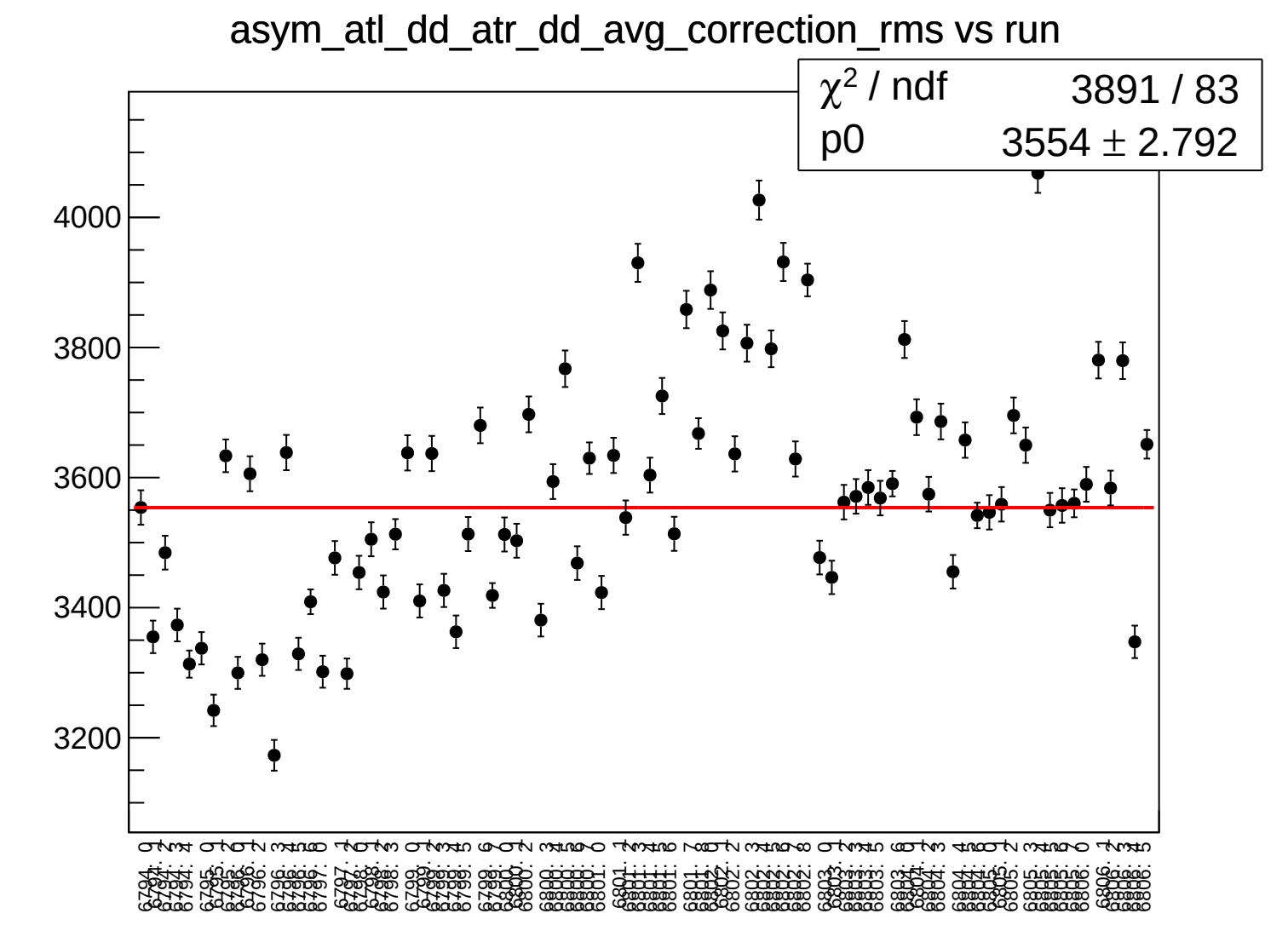

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 74.03 / 83
p0 955.9 ± 1473
pull
Entries 84
Mean 71.69
Std Dev 73.36

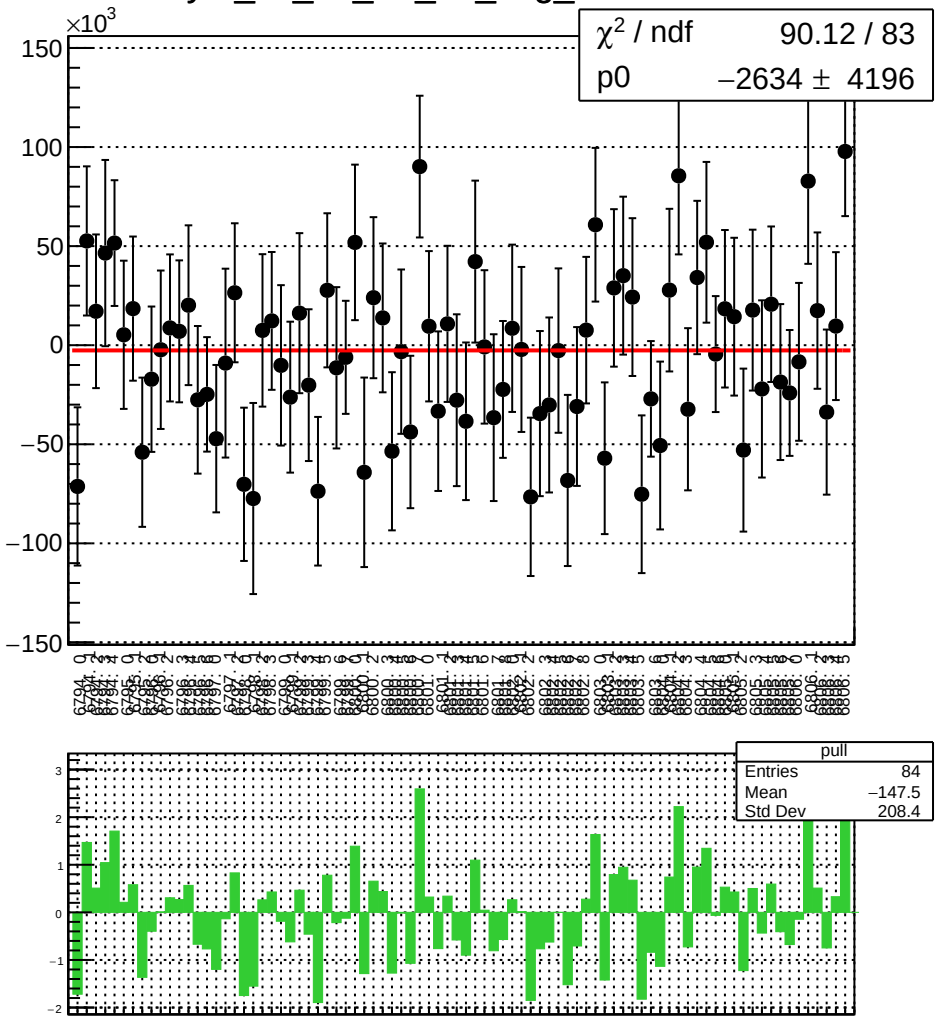

pull1D
Entries 84
Mean −0.0202
Std Dev 0.9386

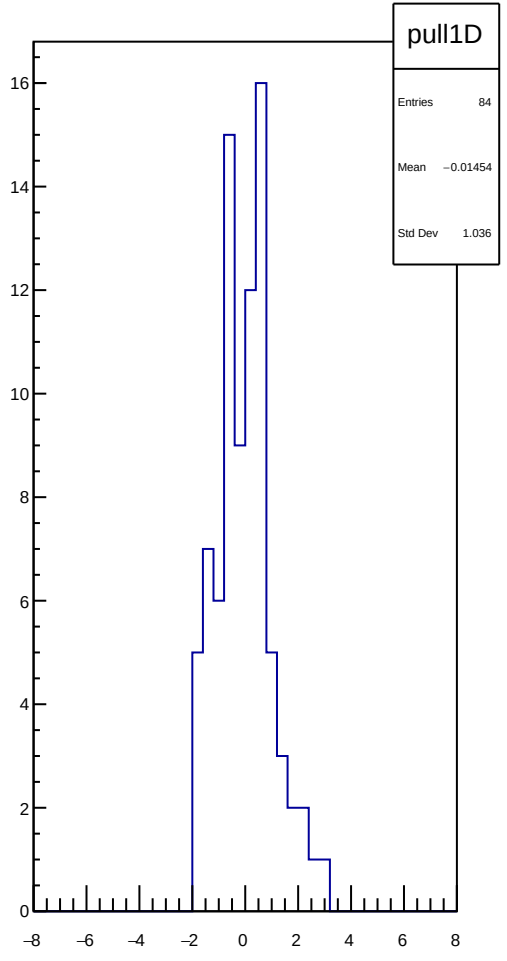

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 2.206e+04 / 83
p0 1318 ± 1.041
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

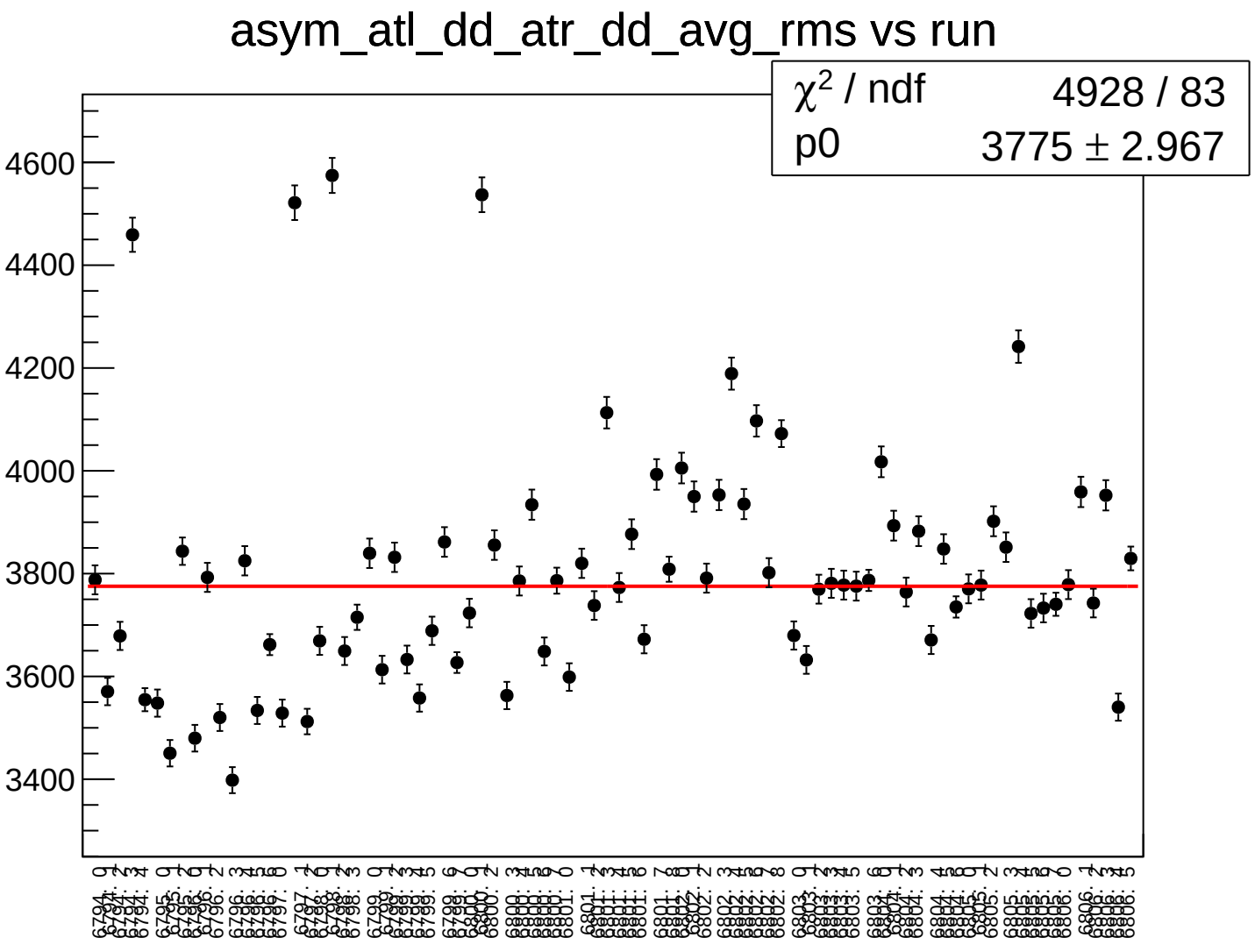

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ^2 / ndf 87.92 / 83
p0 3545 ± 3949
100
50
0
−50
−100
−150
pull
Entries 84
Mean −513.9
Std Dev 568.1
2
1
0
−1
−2
−3

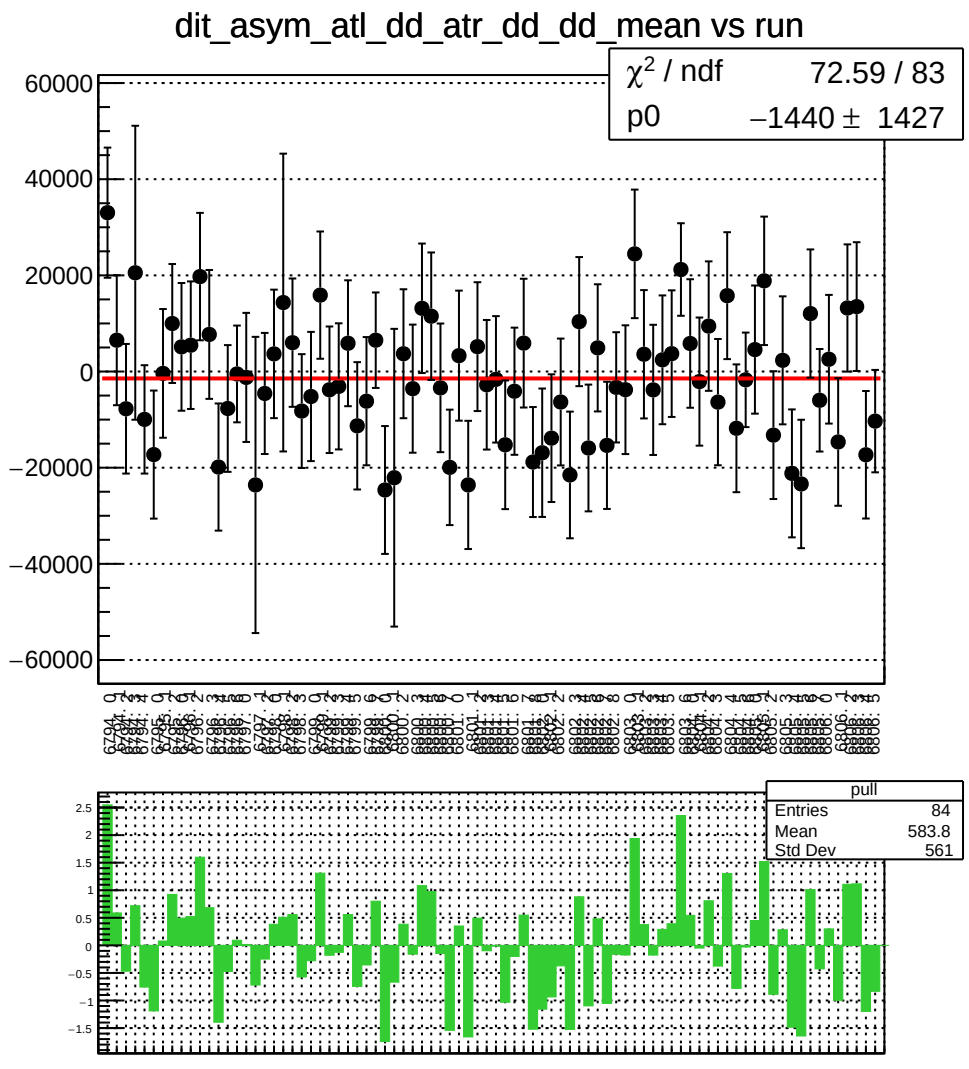

pull1D
Entries 84
Mean 0.00556
Std Dev 1.023
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

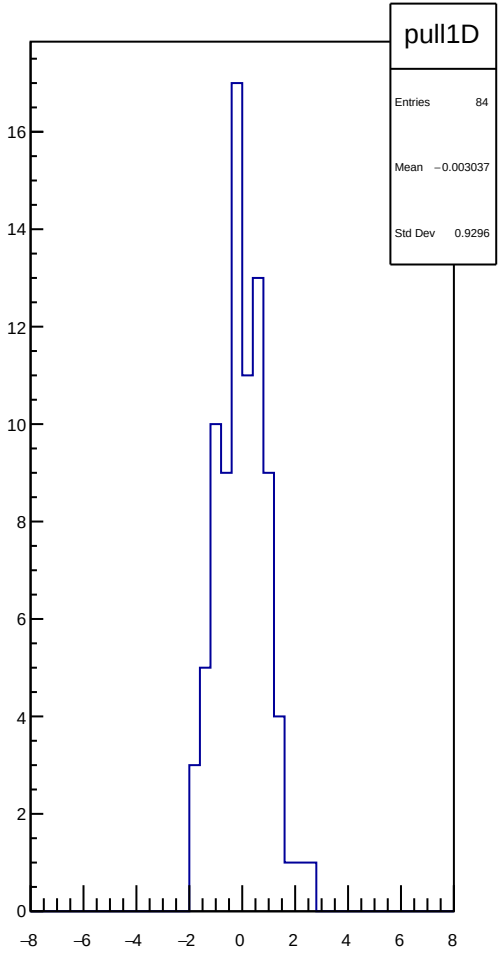

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 3891 / 83
p0 3554 ± 2.792
4000
3800
3600
3400
3200

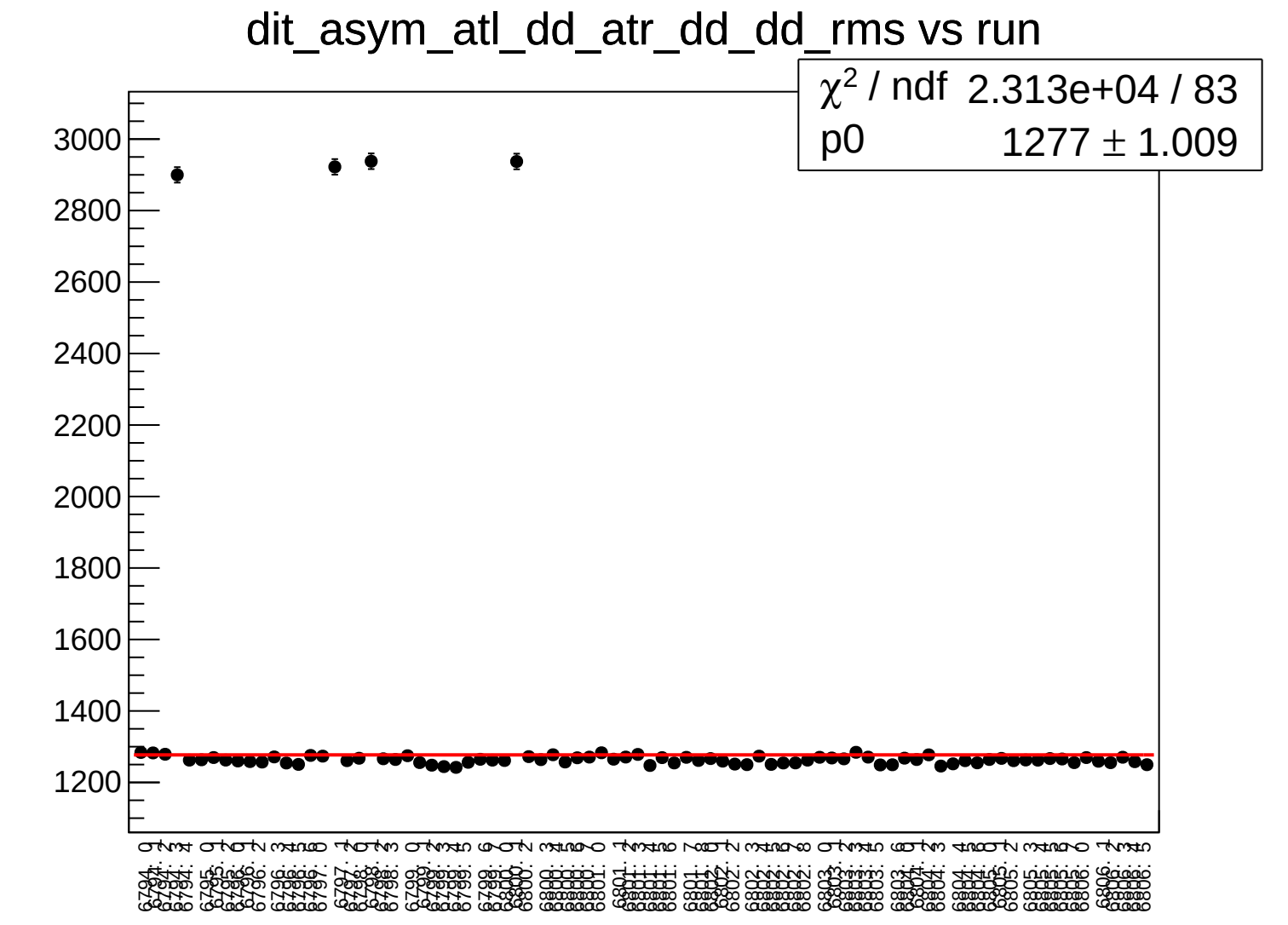

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 90.12 / 83
p0 −2634 ± 4196
150
100
50
0
−50
−100
−150
pull
Entries 84
Mean −147.5
Std Dev 208.4
3
2
1
0
−1
−2

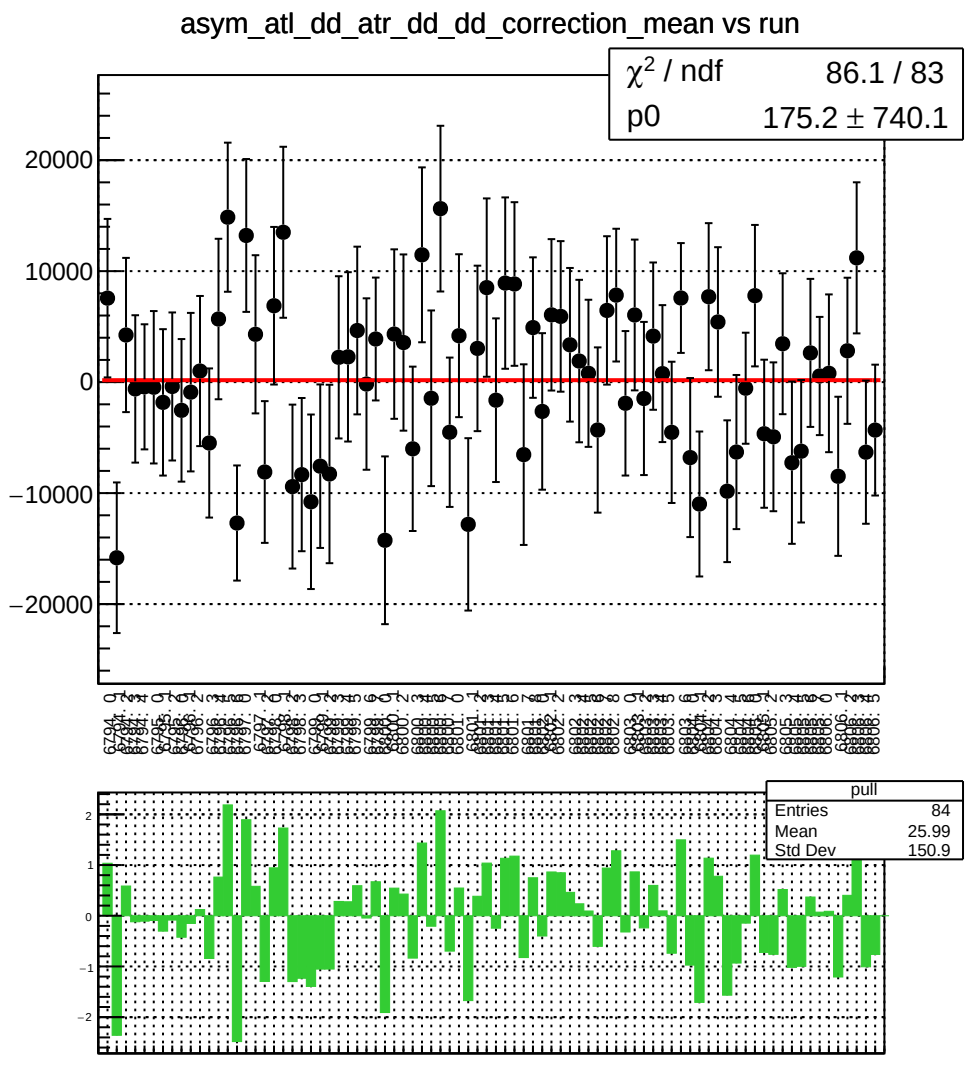

pull1D
Entries 84
Mean −0.01454
Std Dev 1.036
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

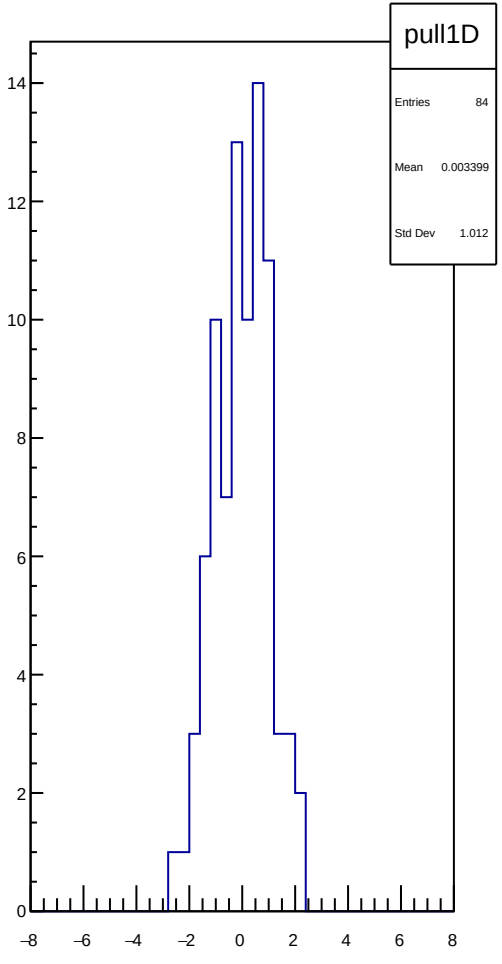

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 4928 / 83
p0 3775 ± 2.967
4600
4400
4200
4000
3800
3600
3400

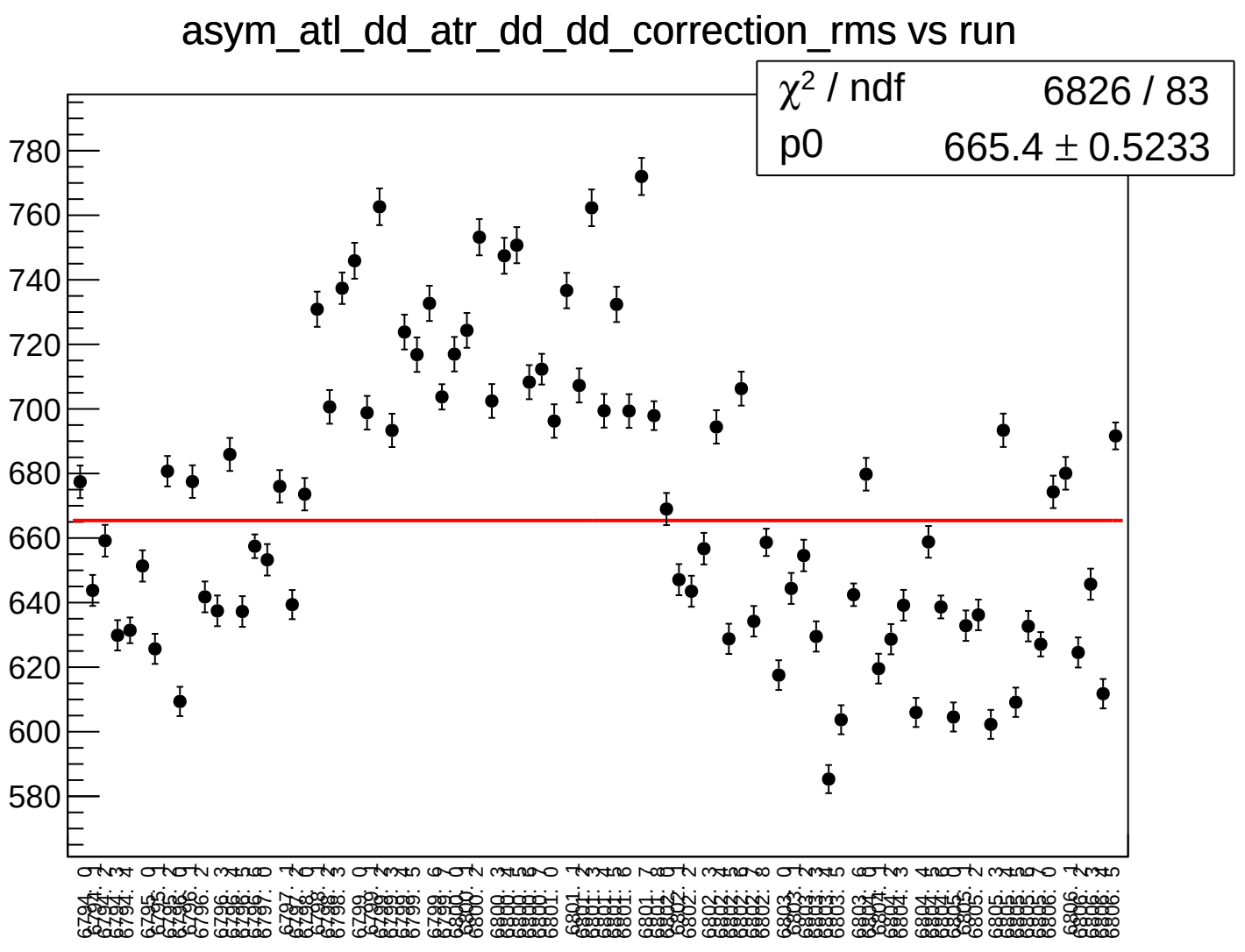

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 72.59 / 83
p0 −1440 ± 1427
pull
Entries 84
Mean 583.8
Std Dev 561

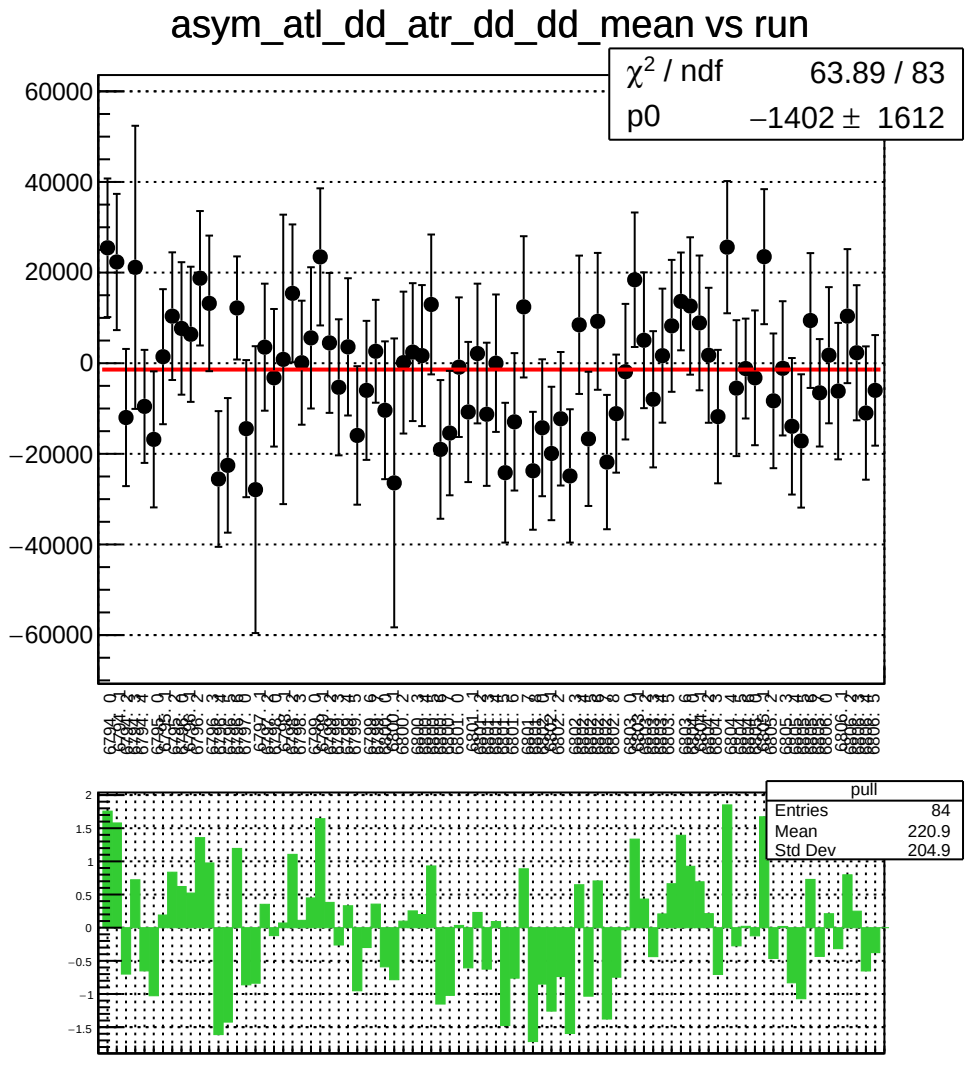

pull1D
Entries 84
Mean −0.003037
Std Dev 0.9296

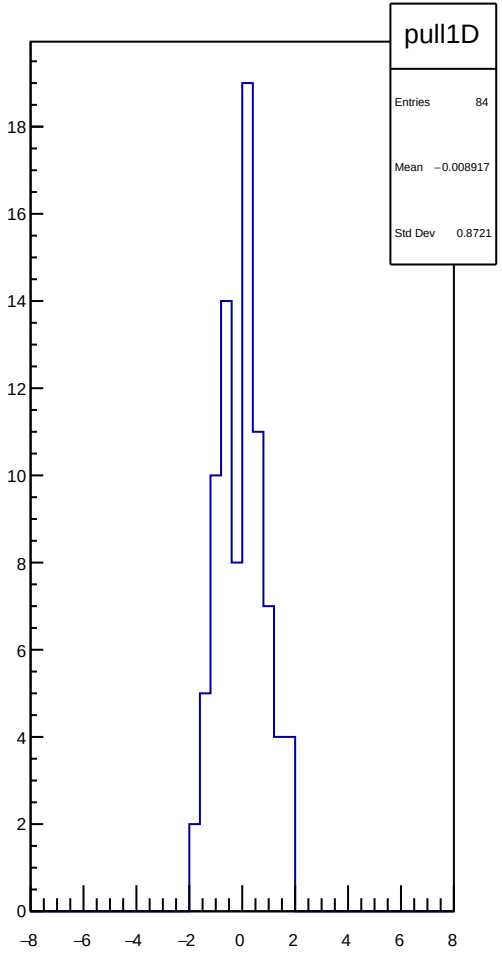

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 2.313e+04 / 83
p0 1277 ± 1.009
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

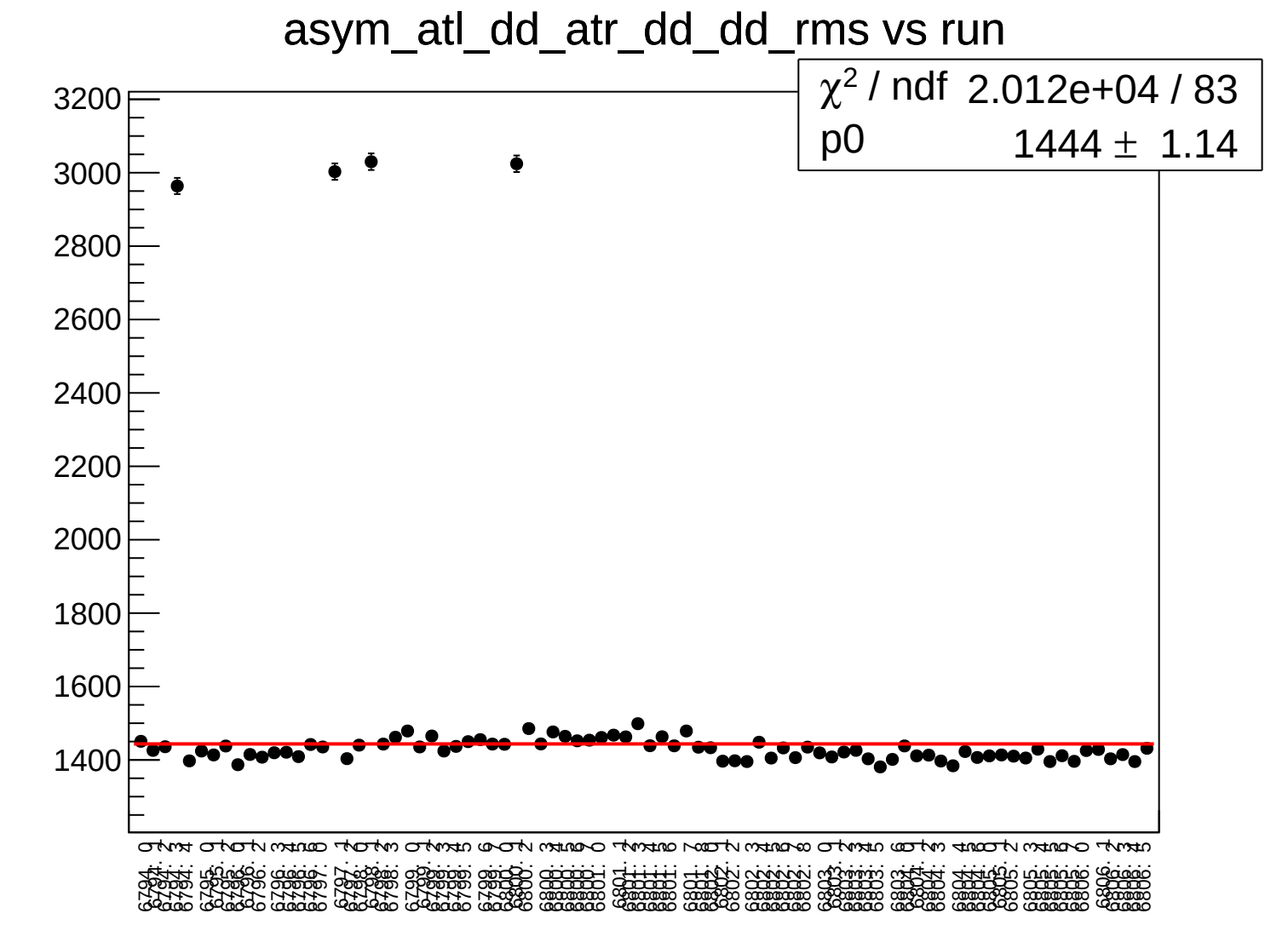

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 86.1 / 83
p0 175.2 ± 740.1
20000
10000
0
−10000
−20000
pull
Entries 84
Mean 25.99
Std Dev 150.9
2
1
0
−1
−2

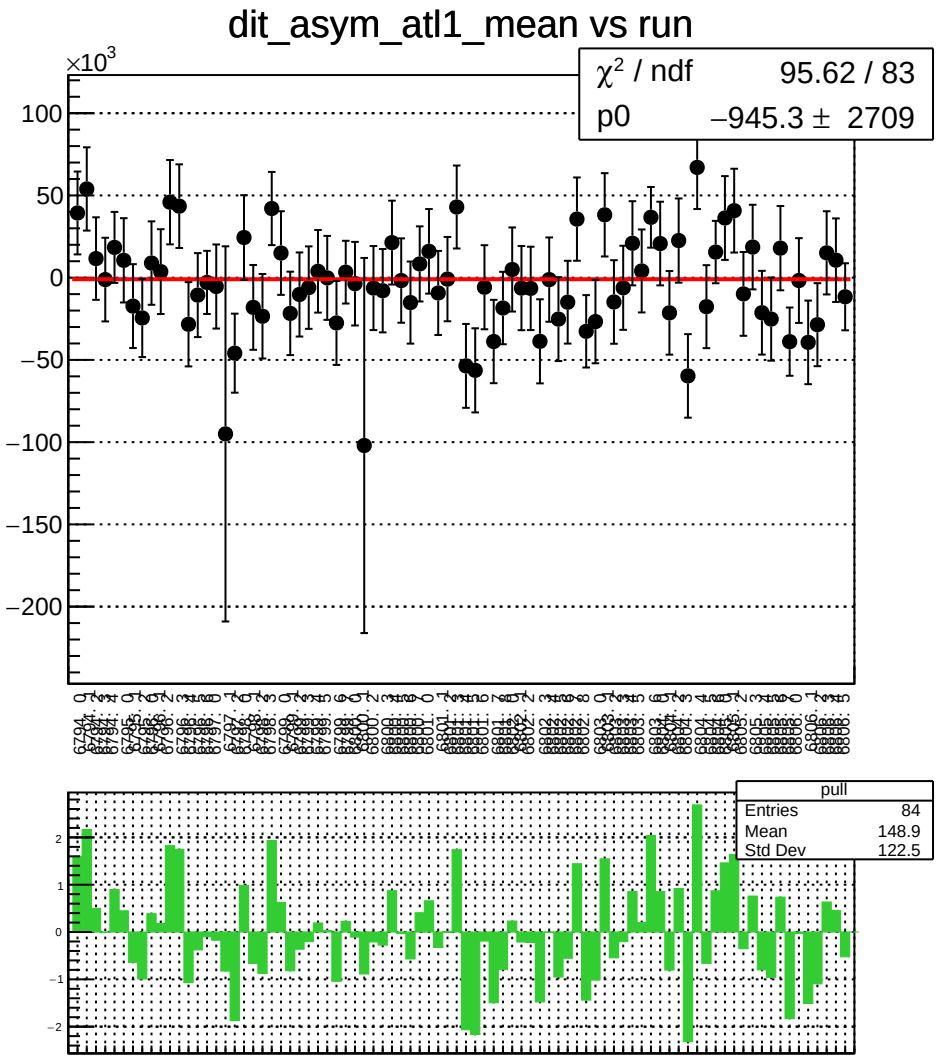

pull1D
Entries 84
Mean 0.003399
Std Dev 1.012
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

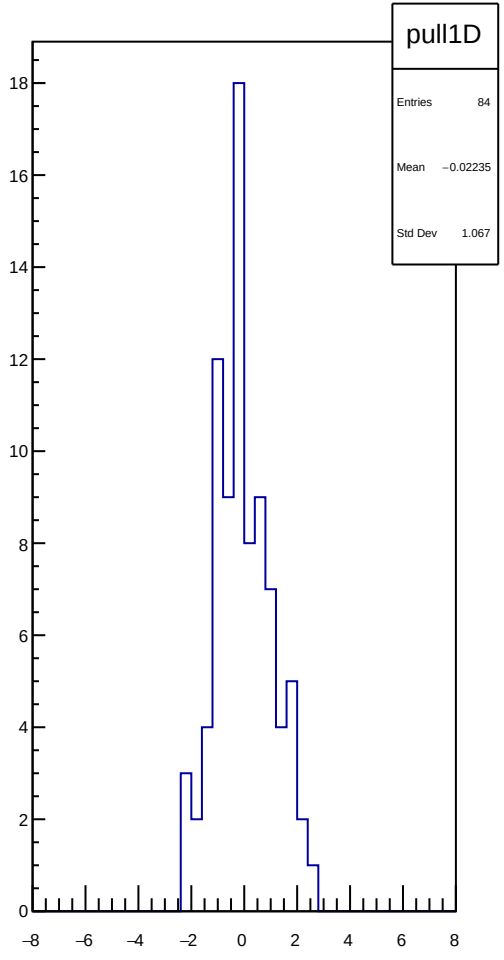

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 6826 / 83
p0 665.4 ± 0.5233
780
760
740
720
700
680
660
640
620
600
580

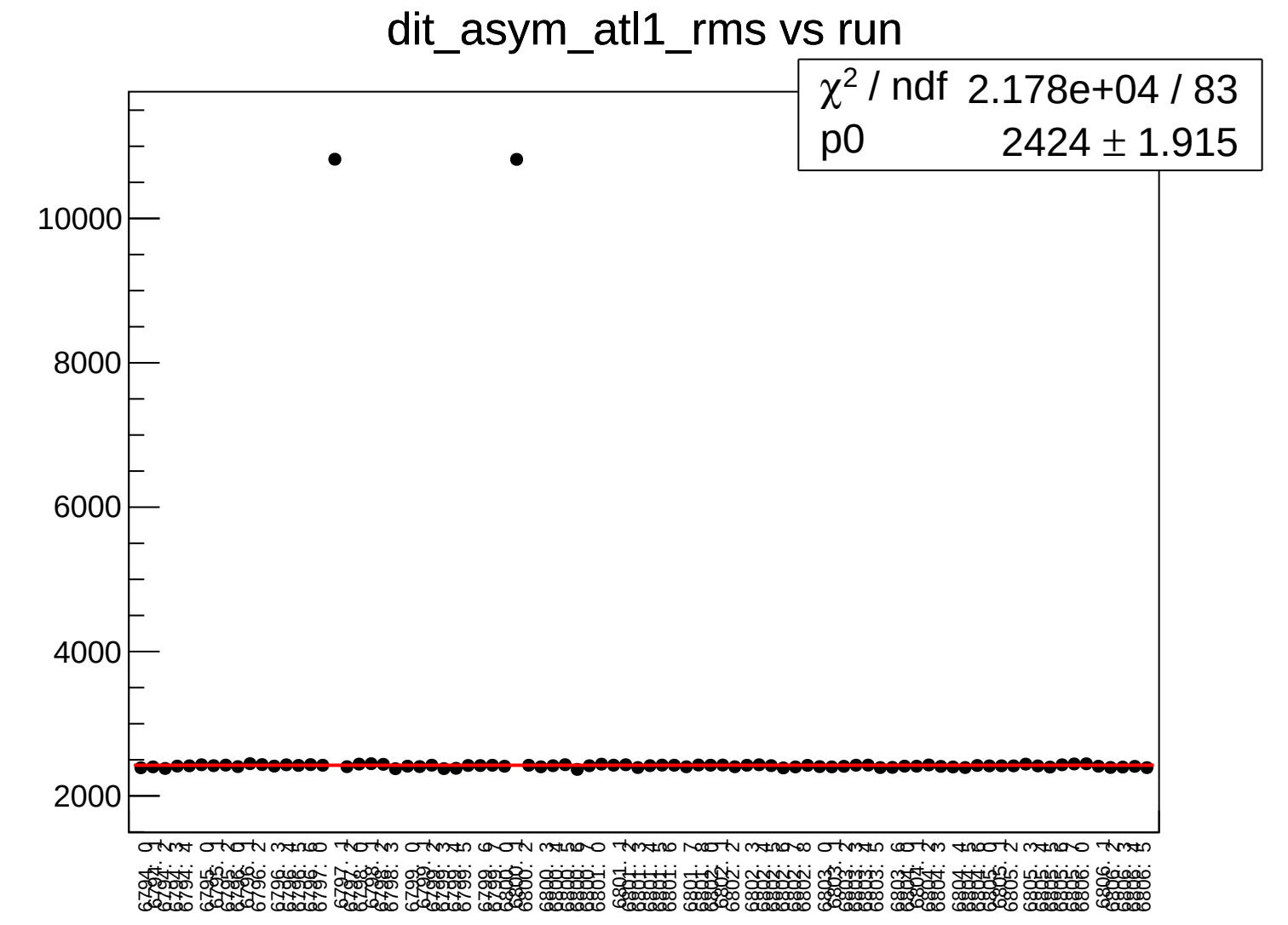

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 63.89 / 83
p0 −1402 ± 1612
pull
Entries 84
Mean 220.9
Std Dev 204.9

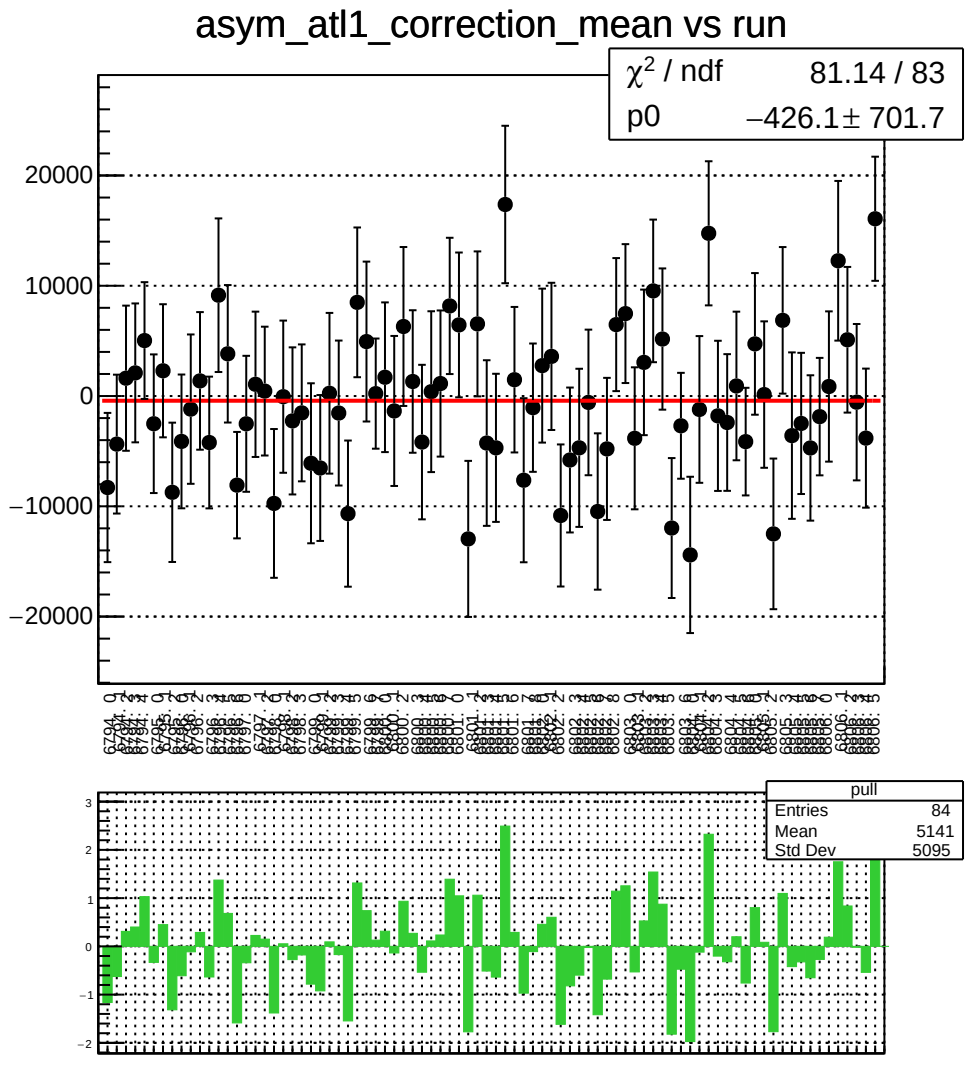

pull1D
Entries 84
Mean −0.008917
Std Dev 0.8721

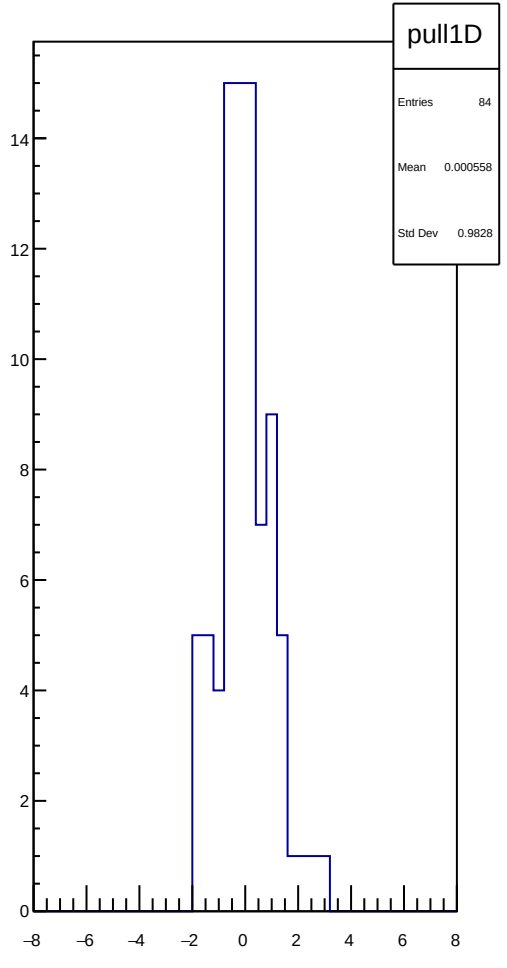

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 2.012e+04 / 83
p0 1444 ± 1.14
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400

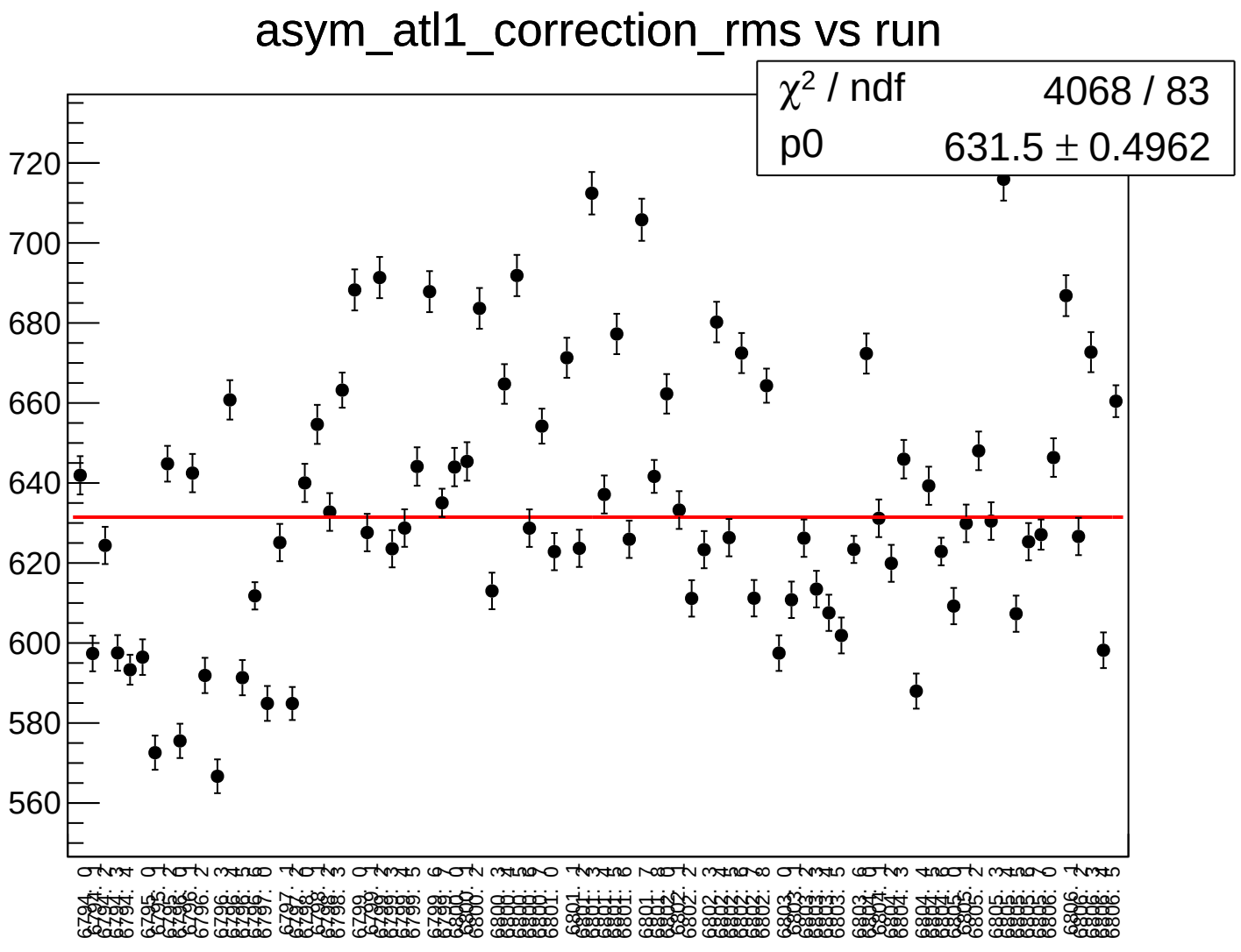

dit_asym_atl1_mean vs run
×10^3
χ² / ndf 95.62 / 83
p0 −945.3 ± 2709
pull
Entries 84
Mean 148.9
Std Dev 122.5

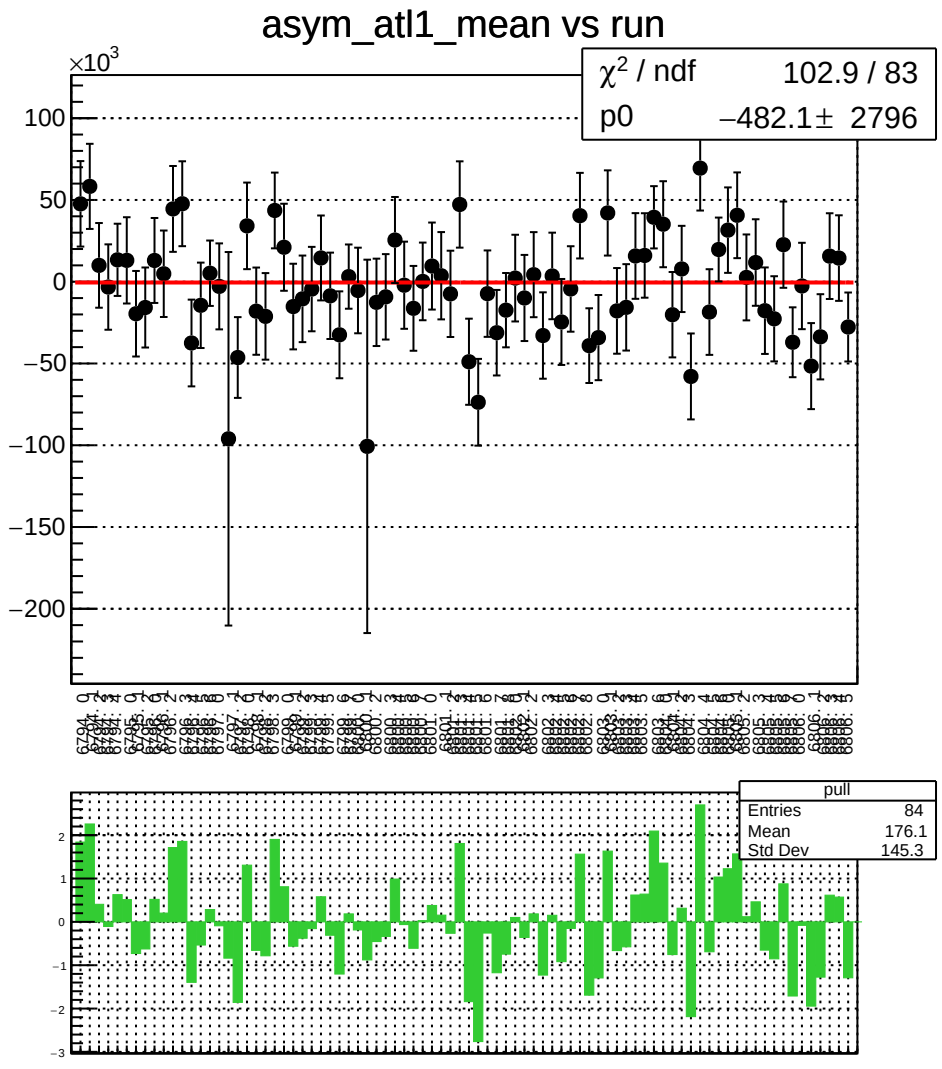

pull1D
Entries 84
Mean −0.02235
Std Dev 1.067

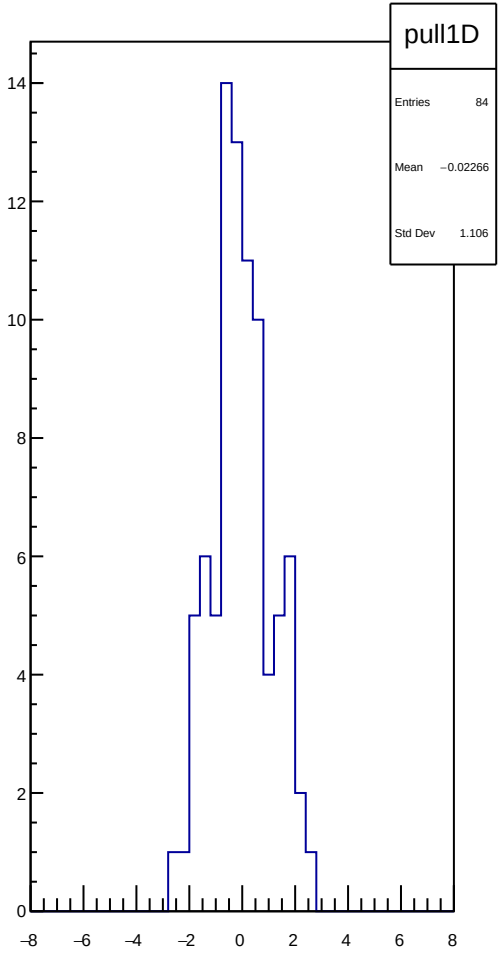

dit_asym_atl1_rms vs run
χ^2 / ndf 2.178e+04 / 83
p0 2424 ± 1.915
10000
8000
6000
4000
2000

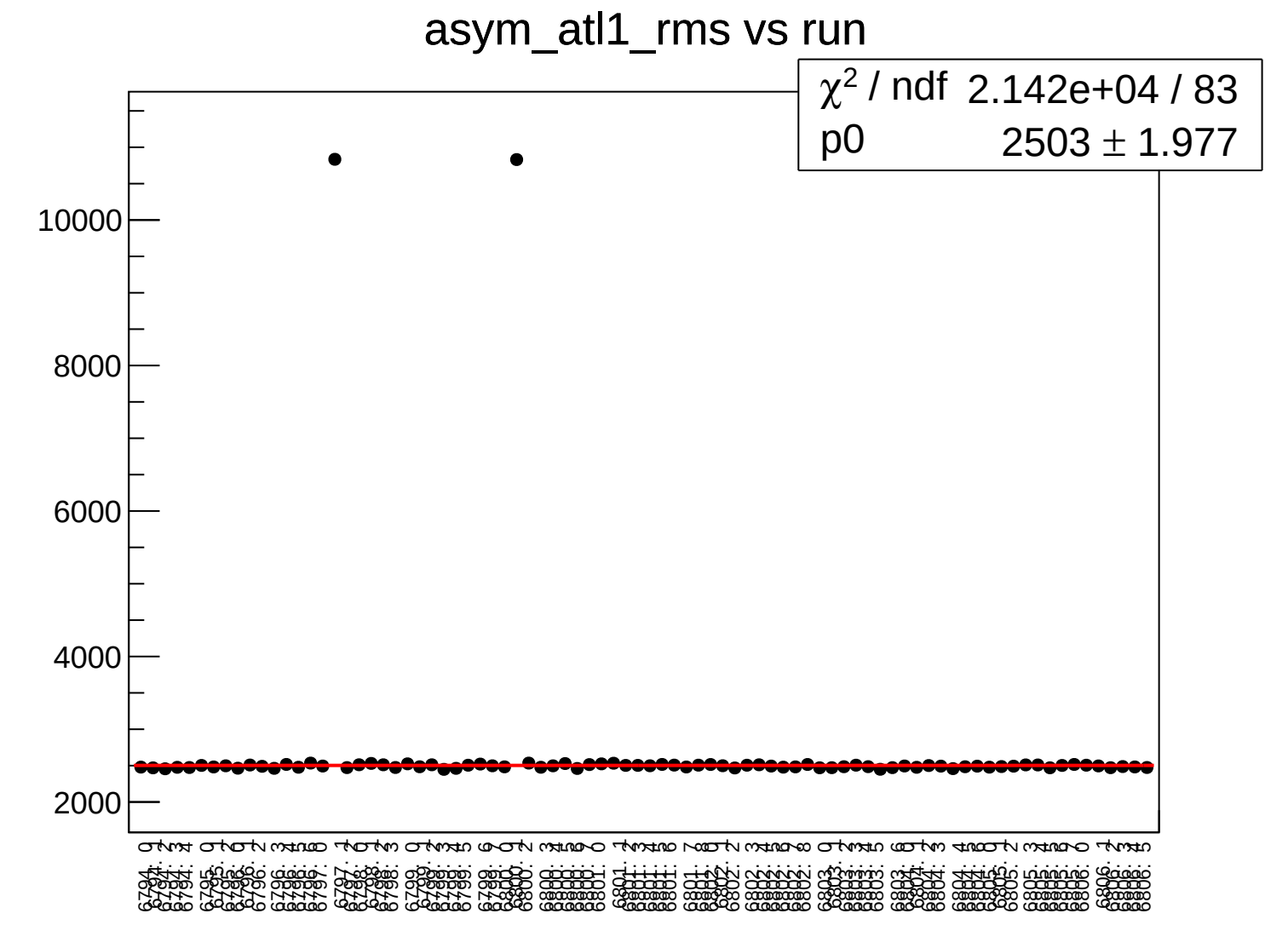

asym_atl1_correction_mean vs run
χ² / ndf 81.14 / 83
p0 −426.1± 701.7
20000
10000
0
−10000
−20000
pull
Entries 84
Mean 5141
Std Dev 5095
3
2
1
0
−1
−2

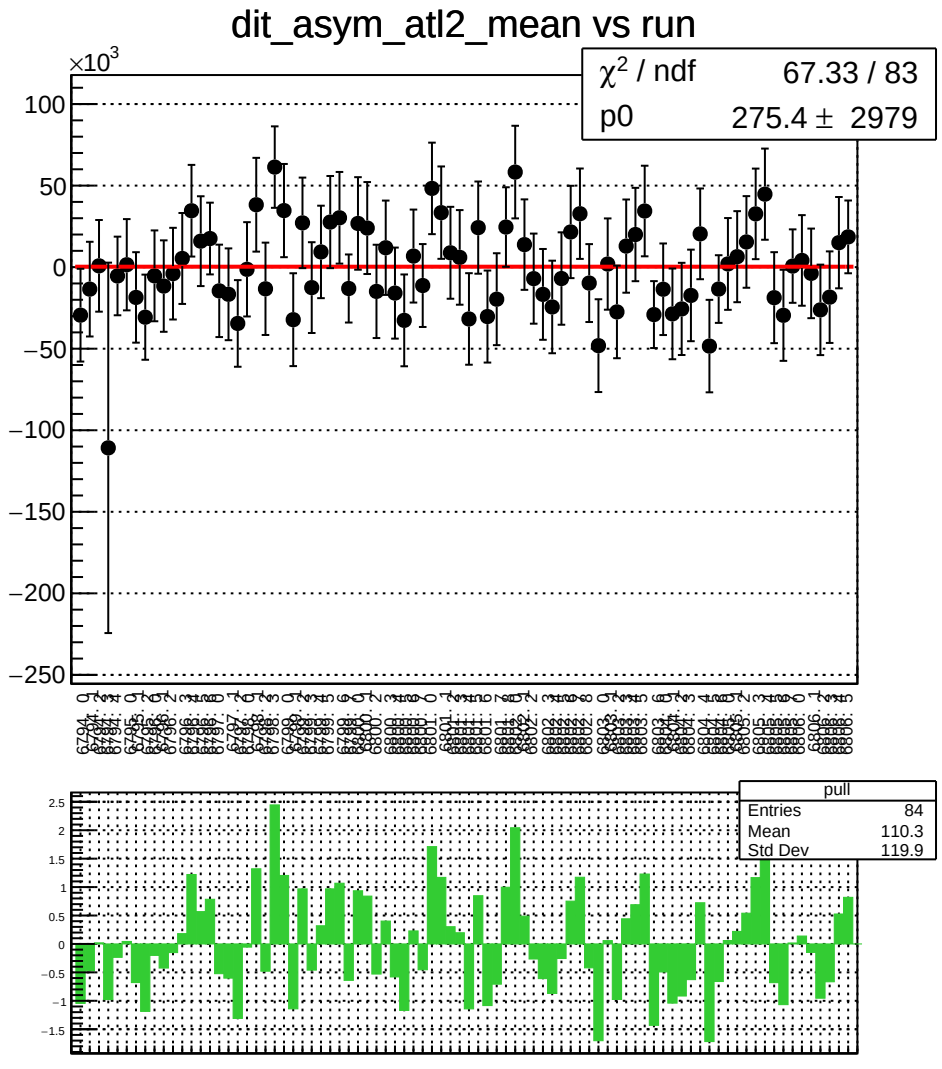

pull1D
Entries 84
Mean 0.000558
Std Dev 0.9828
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

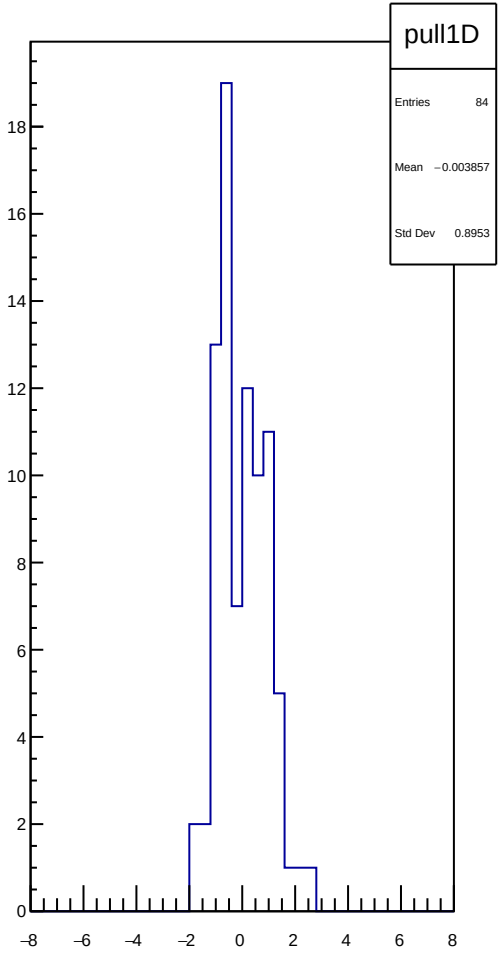

asym_atl1_correction_rms vs run
χ² / ndf 4068 / 83
p0 631.5 ± 0.4962
720
700
680
660
640
620
600
580
560

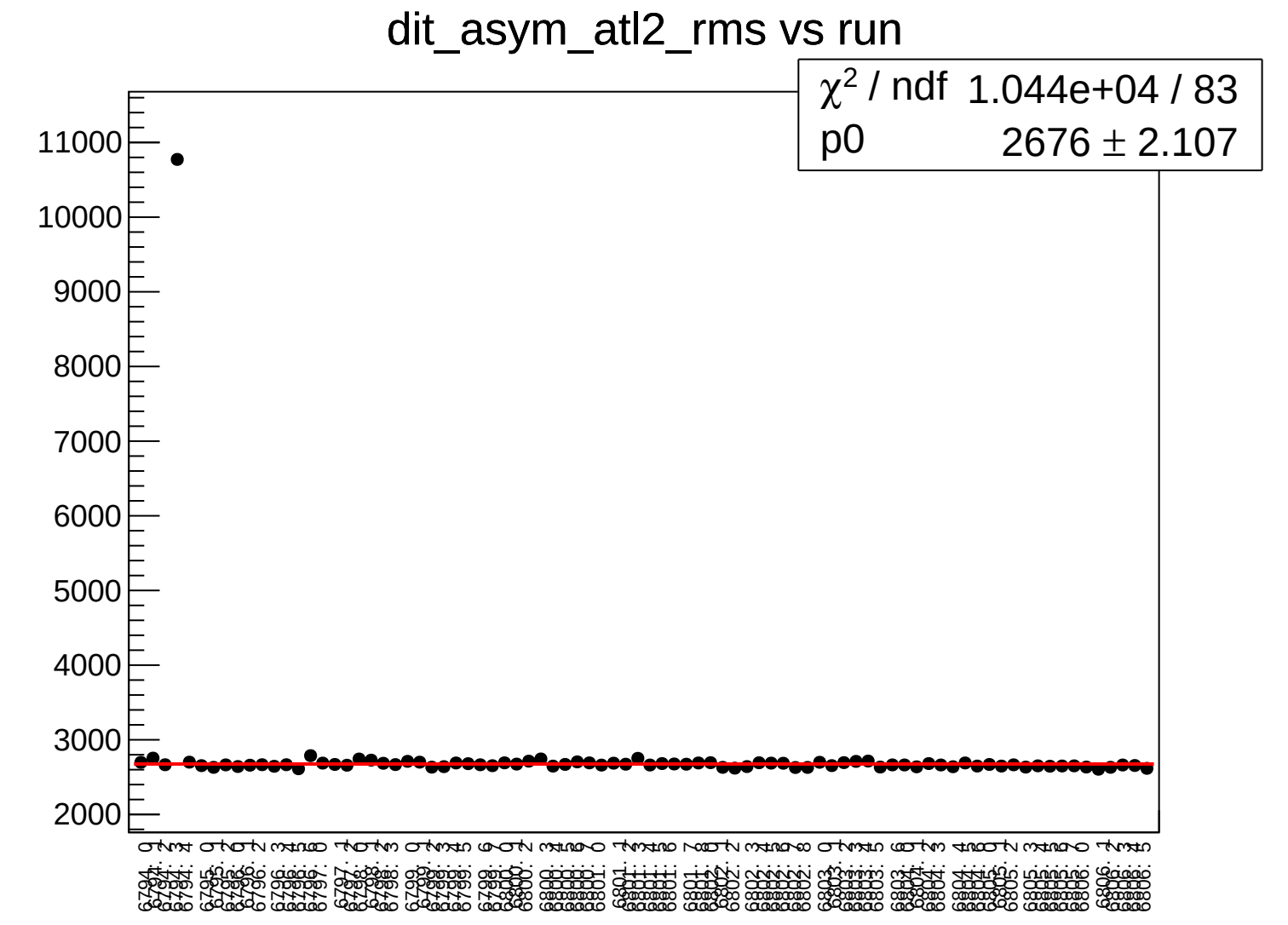

asym_atl1_mean vs run
χ² / ndf 102.9 / 83
p0 −482.1± 2796
×10³
pull
Entries 84
Mean 176.1
Std Dev 145.3

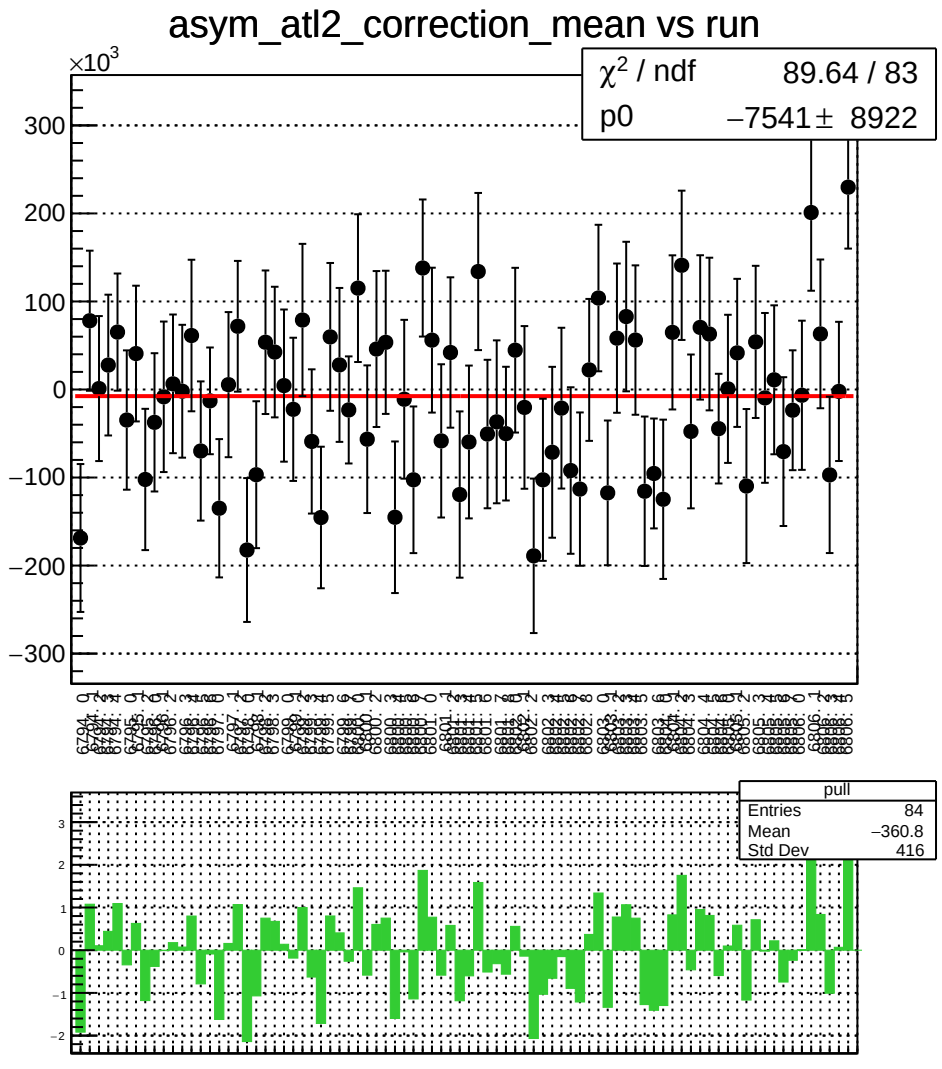

pull1D
Entries 84
Mean −0.02266
Std Dev 1.106

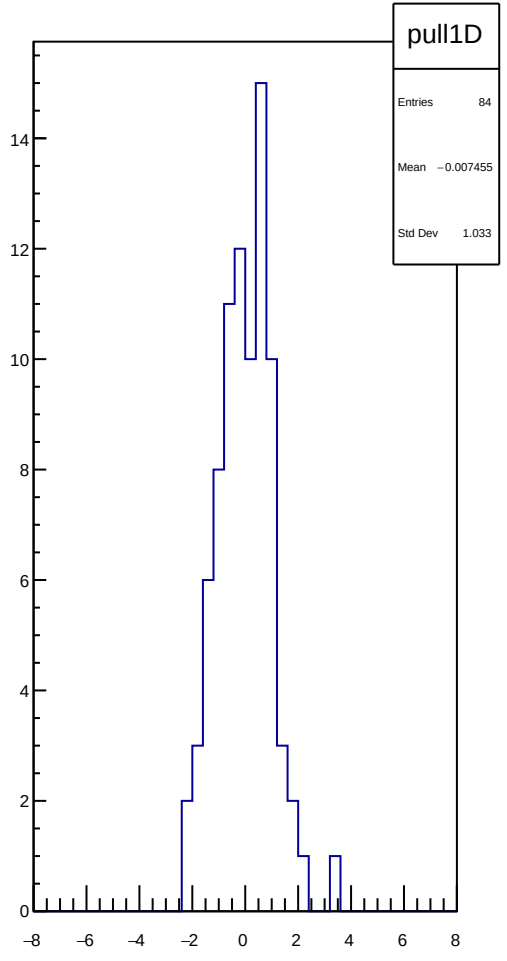

asym_atl1_rms vs run
χ² / ndf 2.142e+04 / 83
p0 2503 ± 1.977
10000
8000
6000
4000
2000

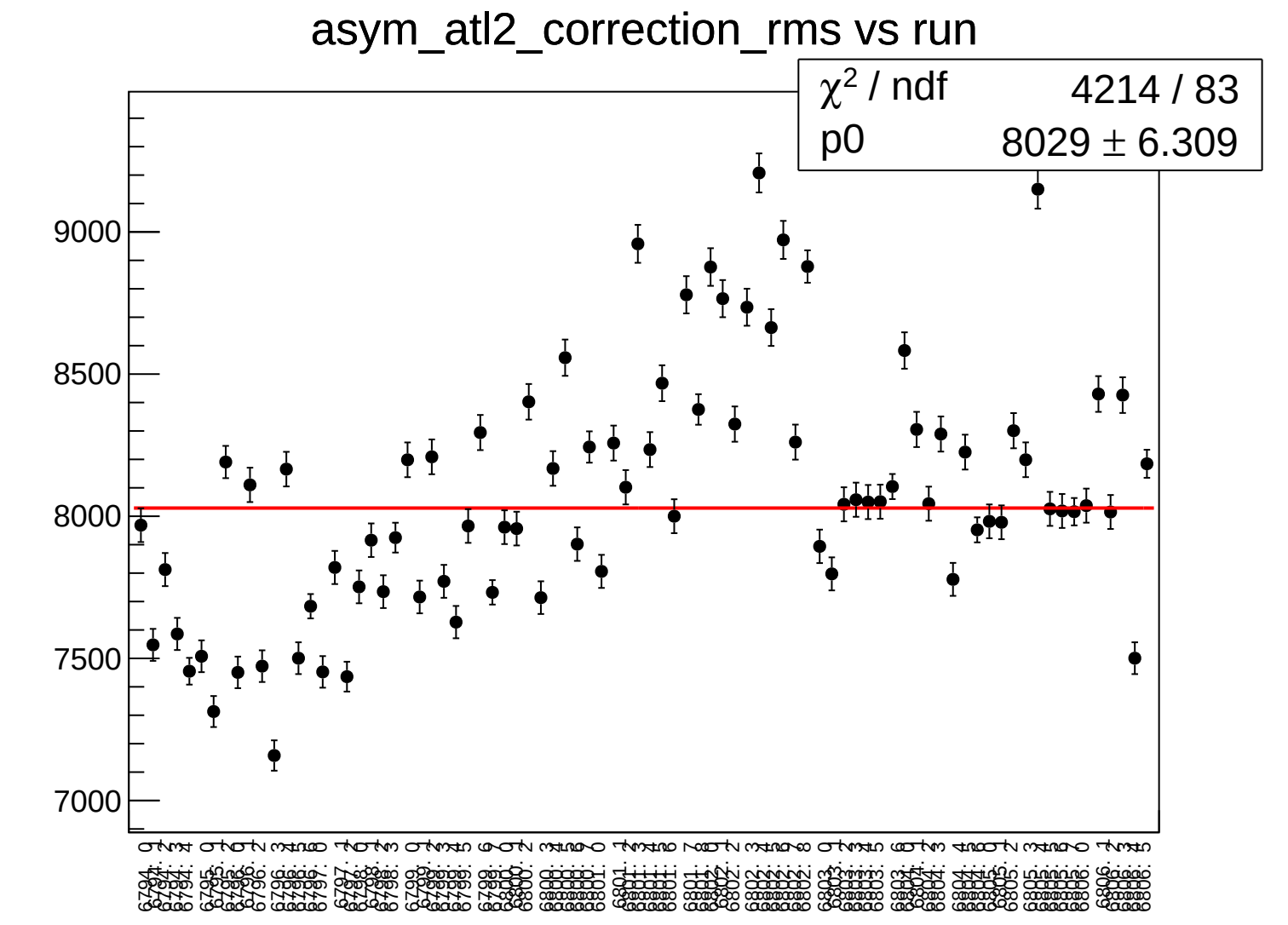

dit_asym_atl2_mean vs run
×10^3
χ^2 / ndf 67.33 / 83
p0 275.4 ± 2979
pull
Entries 84
Mean 110.3
Std Dev 119.9

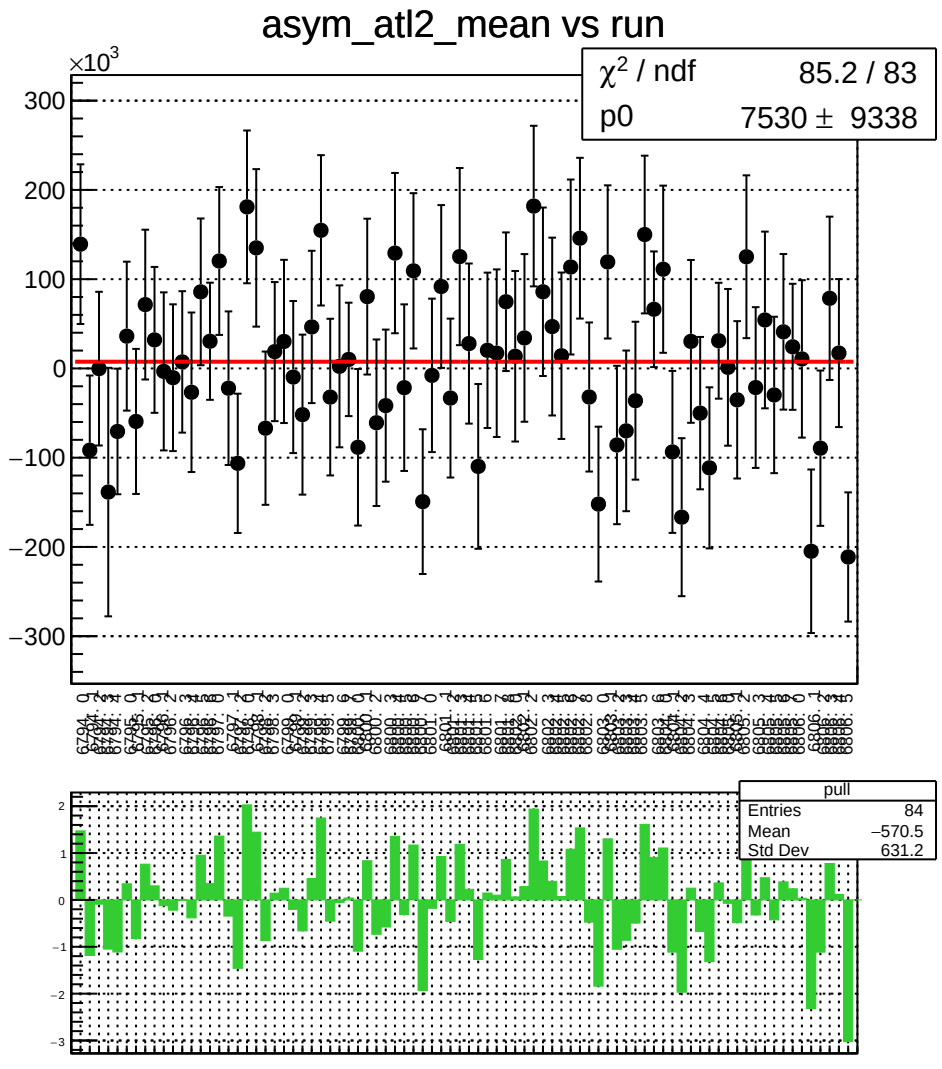

pull1D
Entries 84
Mean −0.003857
Std Dev 0.8953

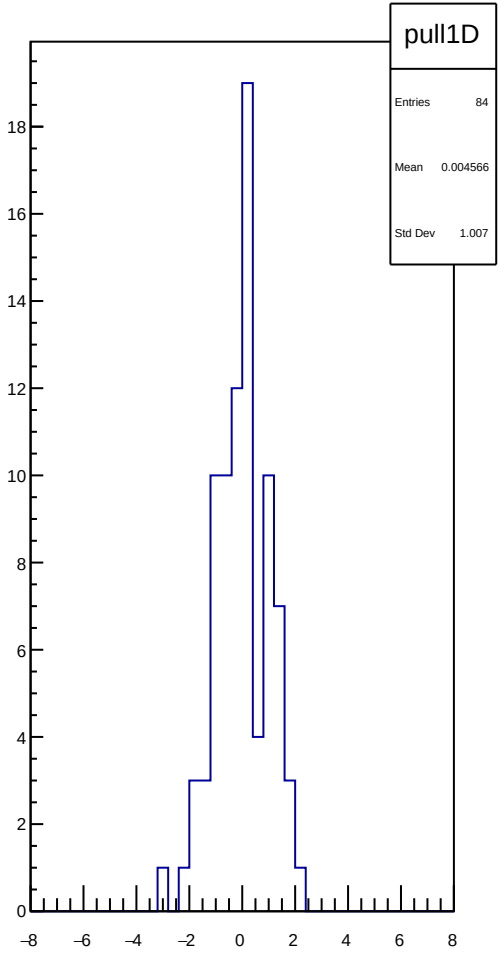

dit_asym_atl2_rms vs run
χ^2 / ndf 1.044e+04 / 83
p0 2676 ± 2.107
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000

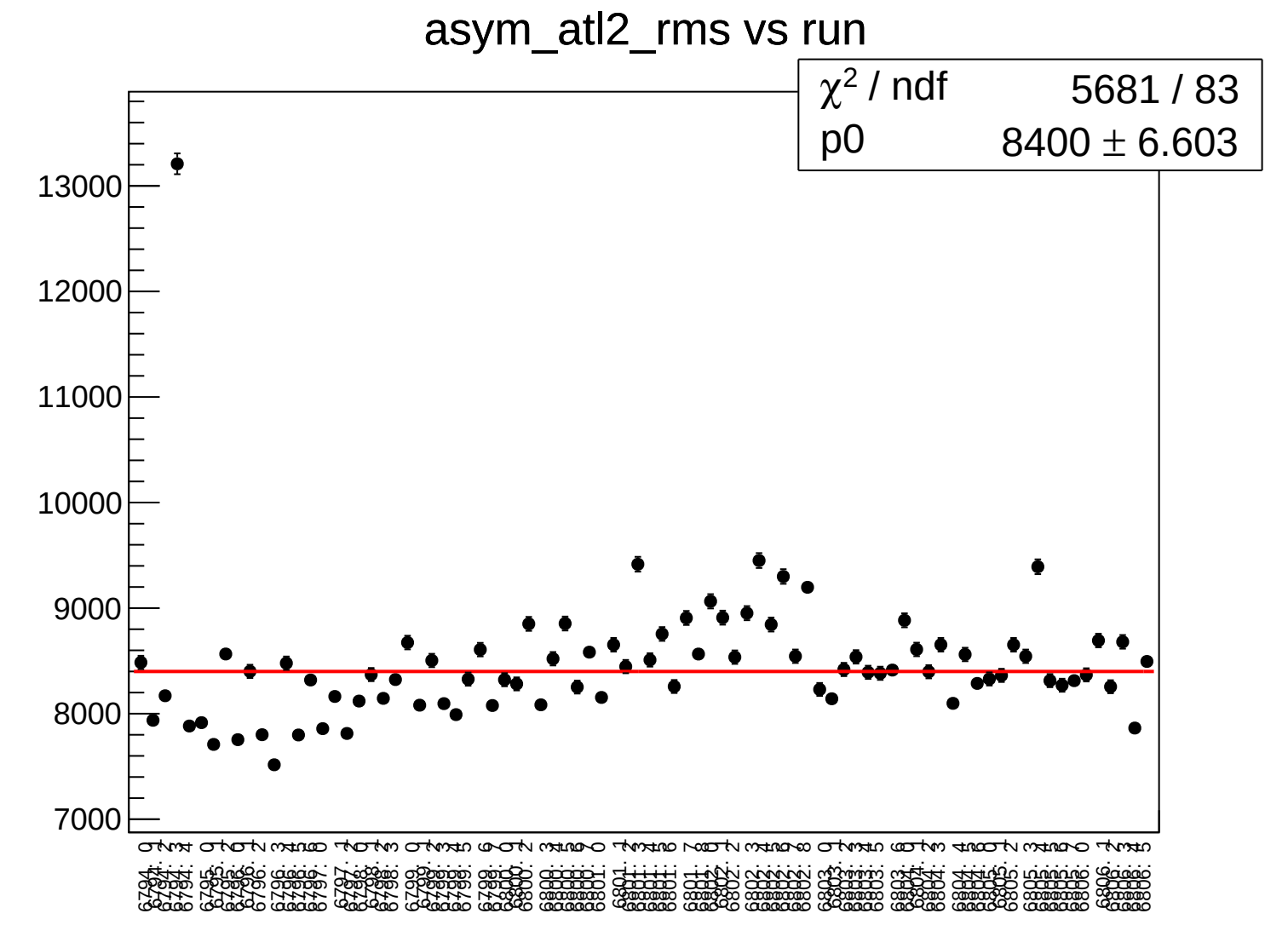

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 89.64 / 83
p0 −7541 ± 8922
pull
Entries 84
Mean −360.8
Std Dev 416

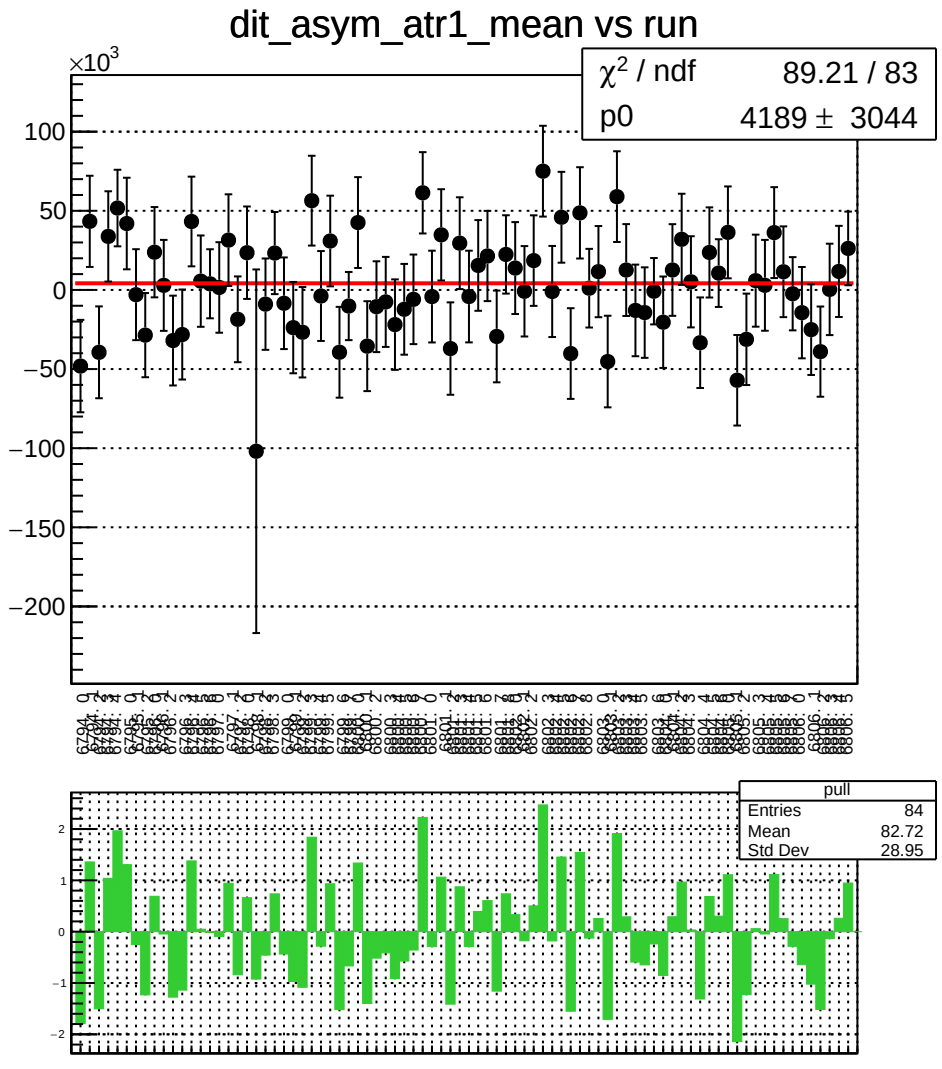

pull1D
Entries 84
Mean −0.007455
Std Dev 1.033

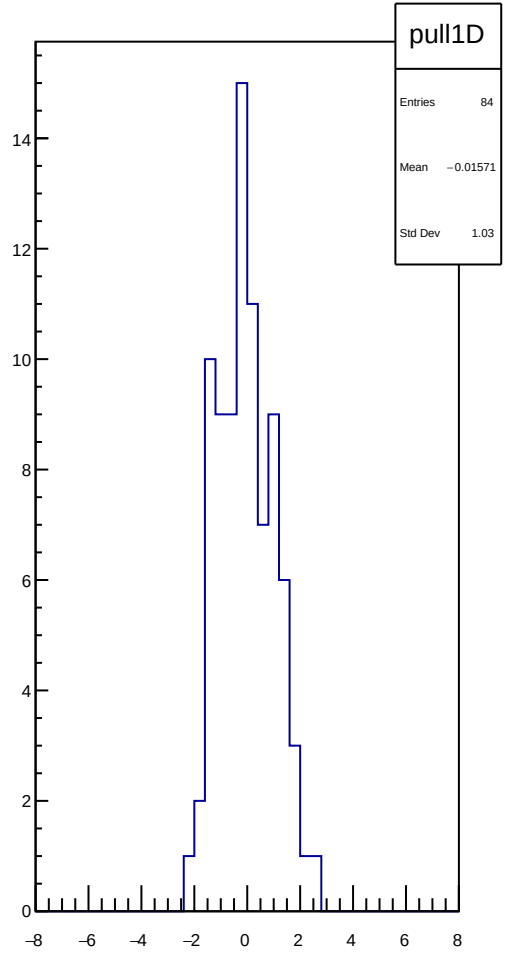

asym_atl2_correction_rms vs run
χ² / ndf 4214 / 83
p0 8029 ± 6.309
9000
8500
8000
7500
7000

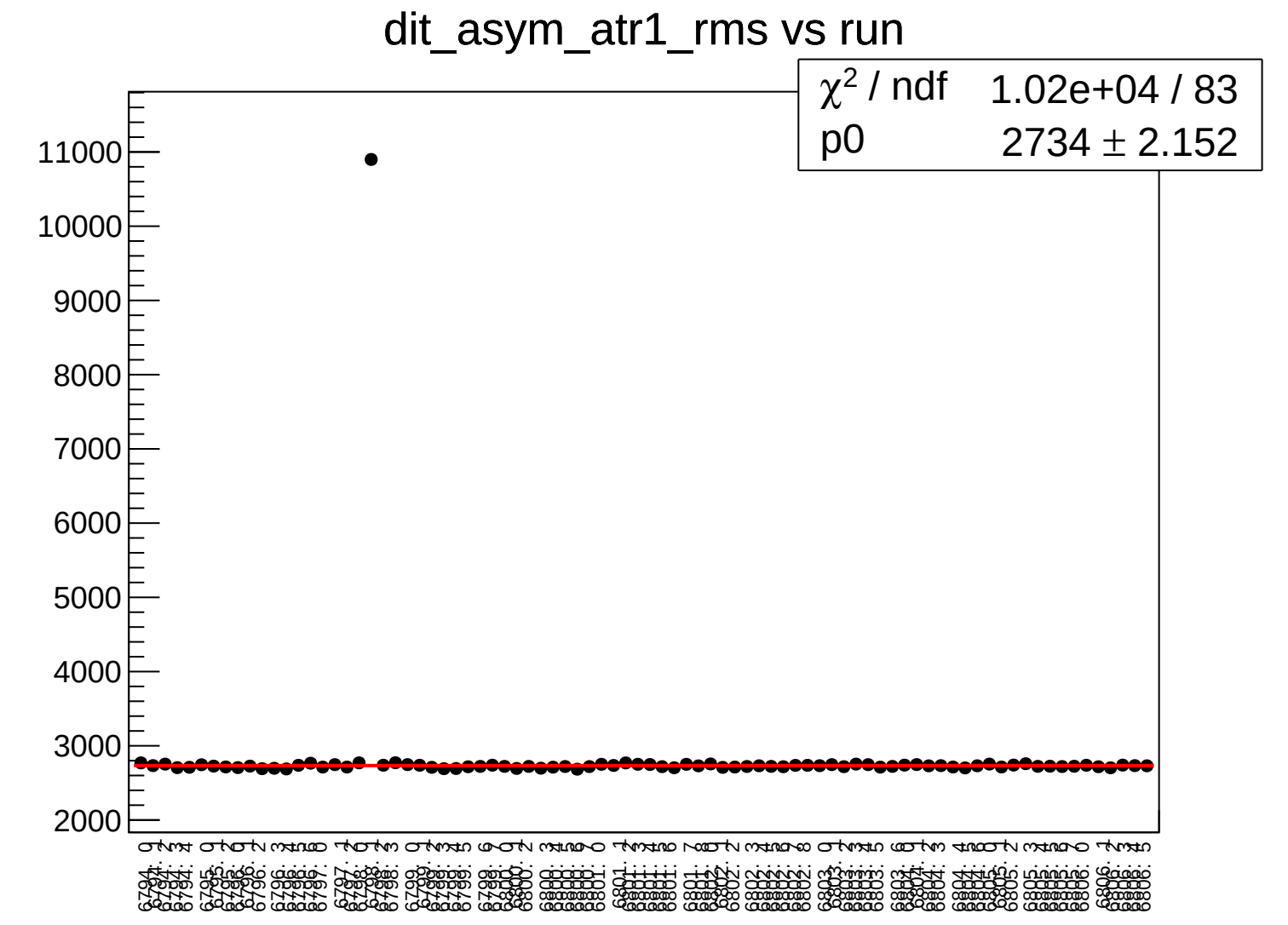

asym_atl2_mean vs run
×10^3
χ^2 / ndf 85.2 / 83
p0 7530 ± 9338
pull
Entries 84
Mean −570.5
Std Dev 631.2

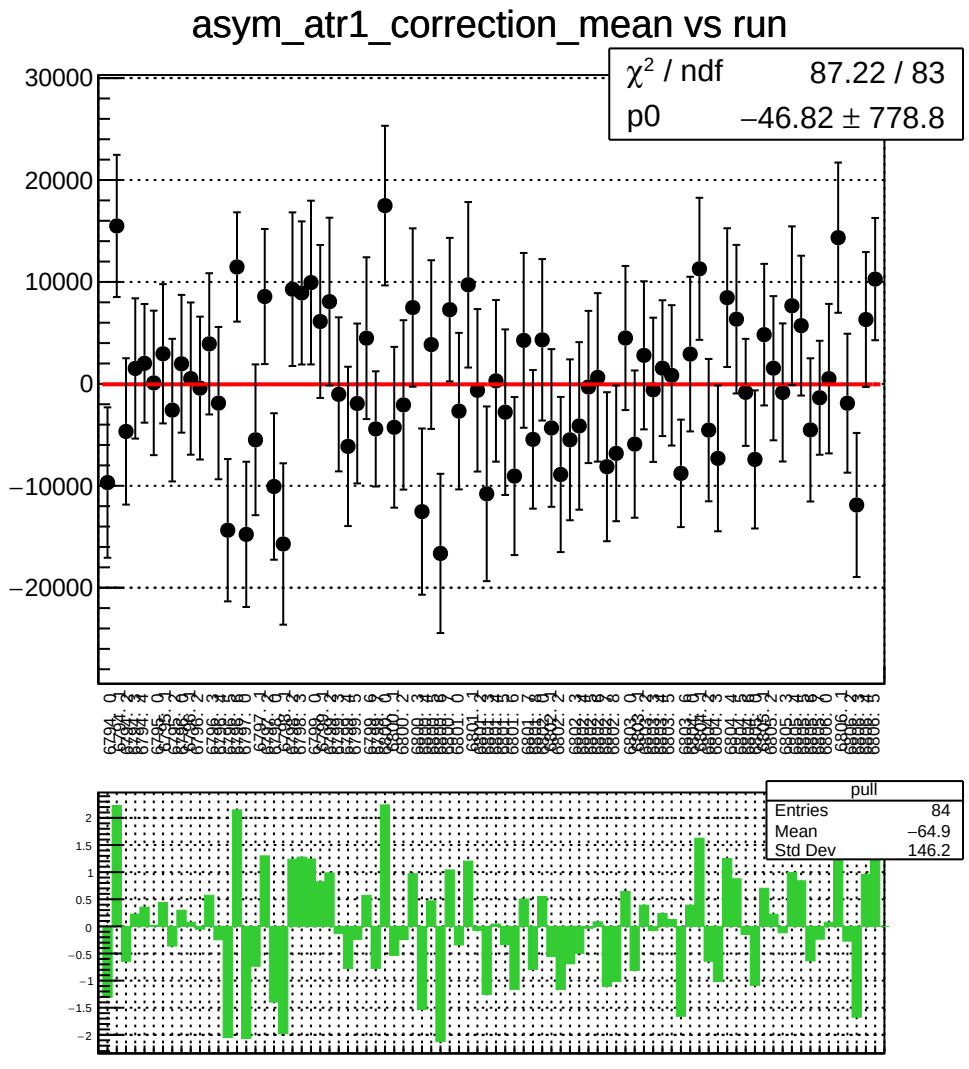

pull1D
Entries 84
Mean 0.004566
Std Dev 1.007

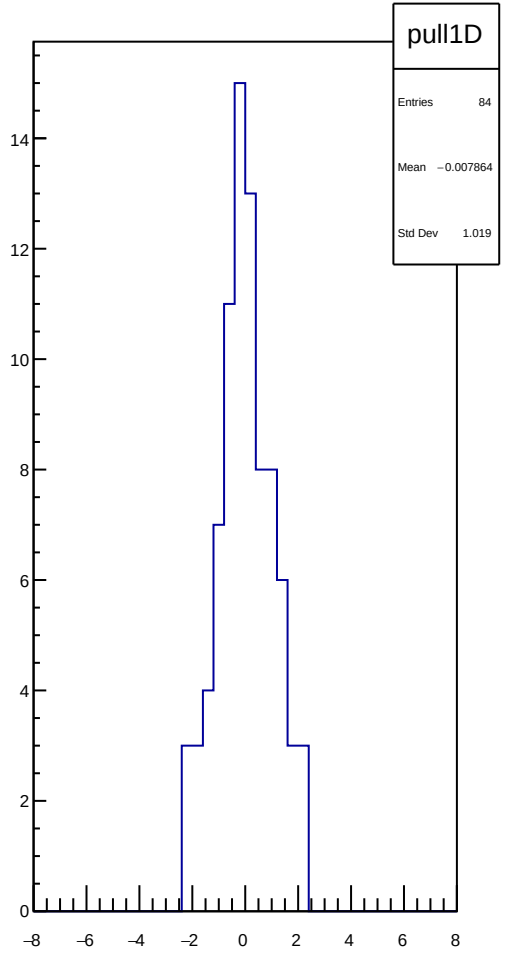

asym_atl2_rms vs run
χ² / ndf 5681 / 83
p0 8400 ± 6.603
13000
12000
11000
10000
9000
8000
7000

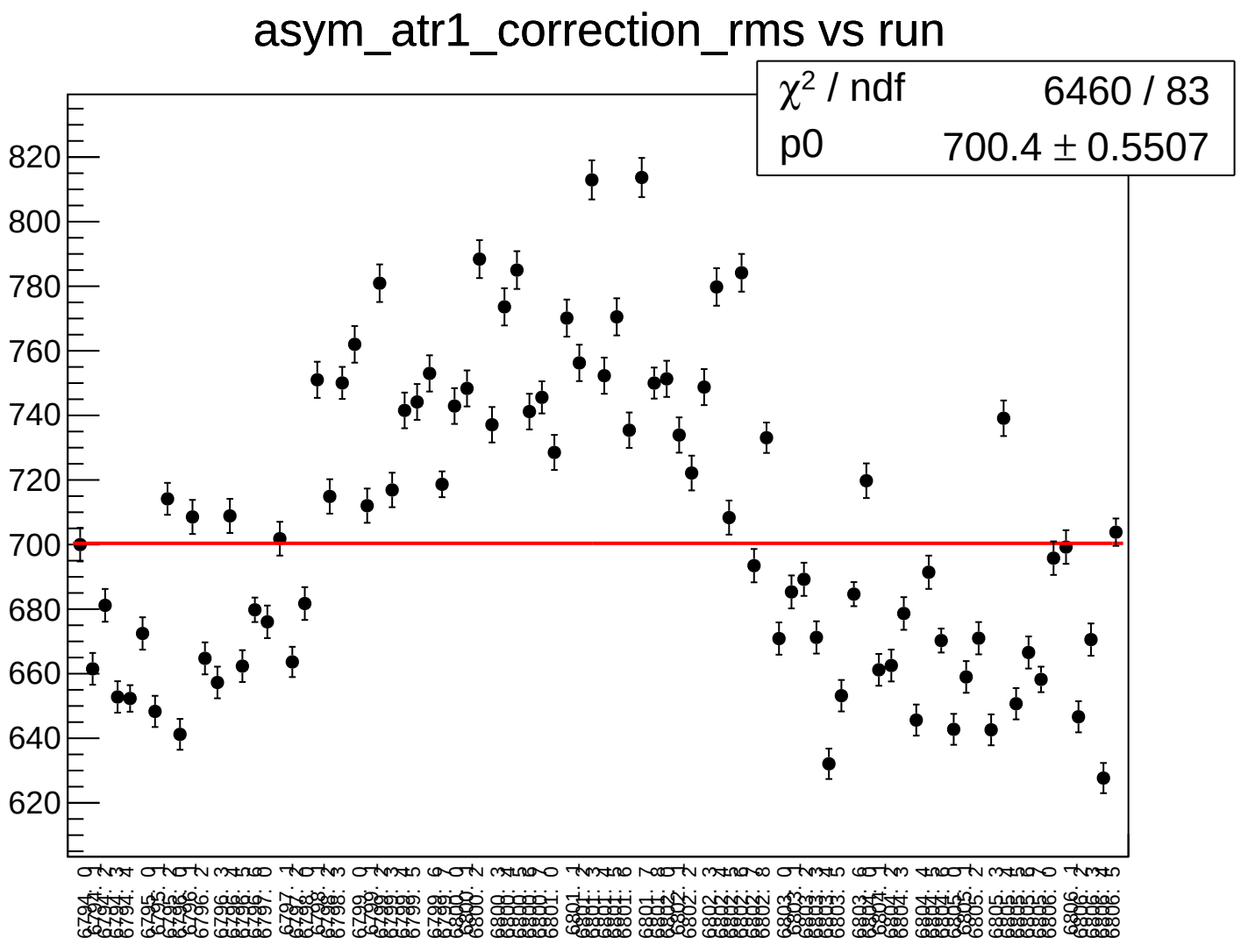

dit_asym_atr1_mean vs run
×10^3
χ^2 / ndf 89.21 / 83
p0 4189 ± 3044
100
50
0
−50
−100
−150
−200
pull
Entries 84
Mean 82.72
Std Dev 28.95
2
1
0
−1
−2

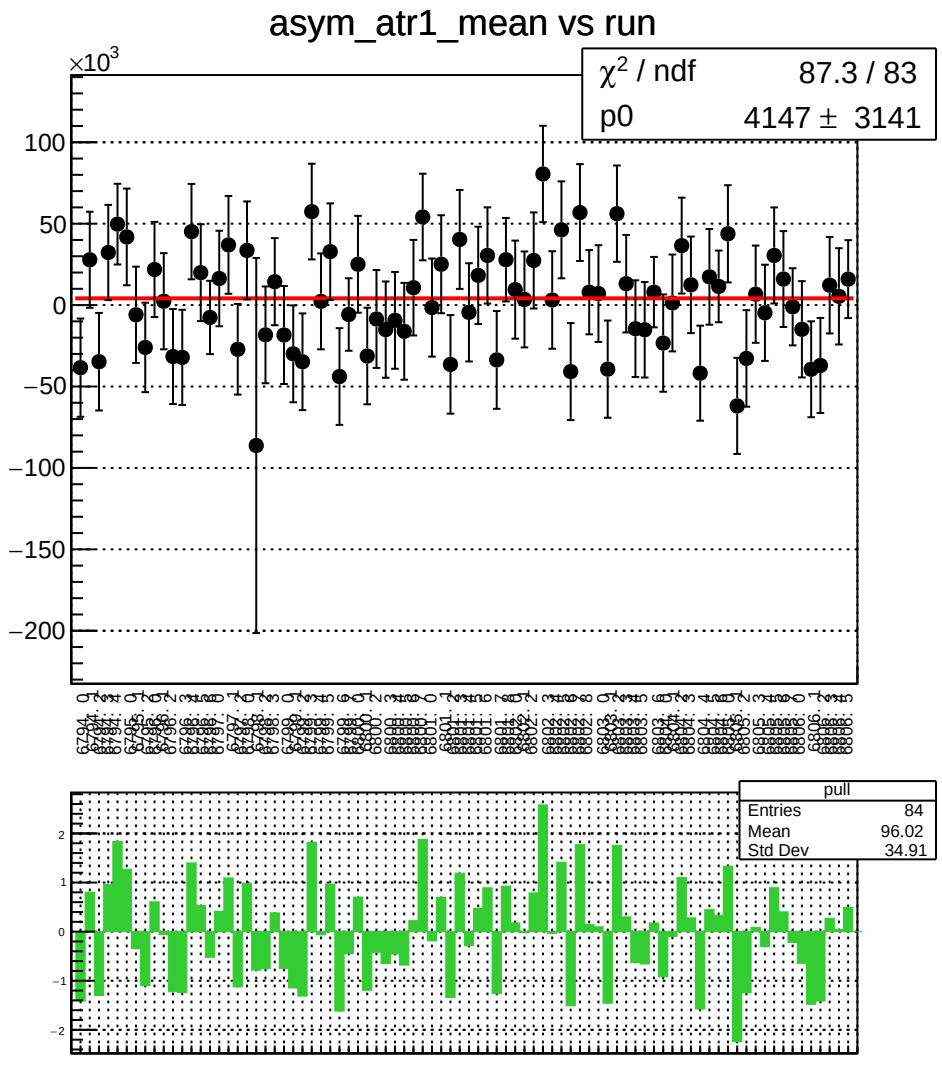

pull1D
Entries 84
Mean −0.01571
Std Dev 1.03
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

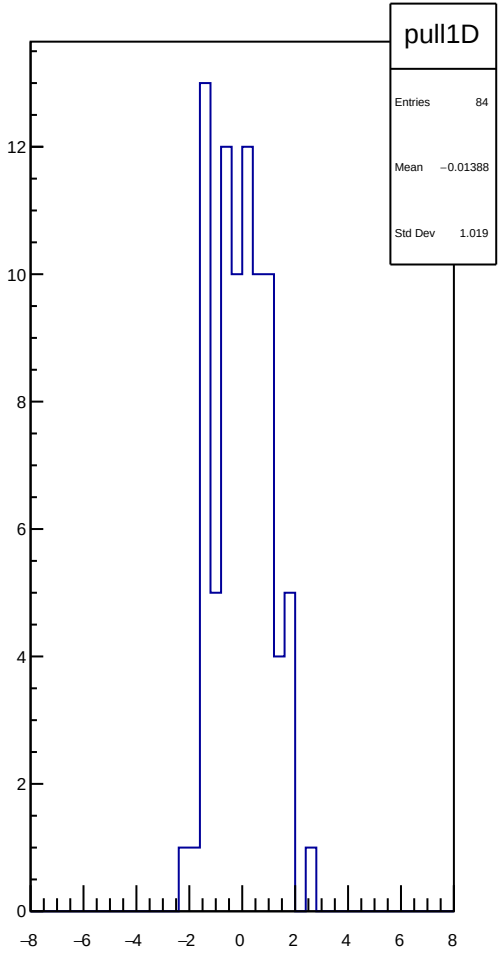

dit_asym_atr1_rms vs run
χ² / ndf 1.02e+04 / 83
p0 2734 ± 2.152
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000

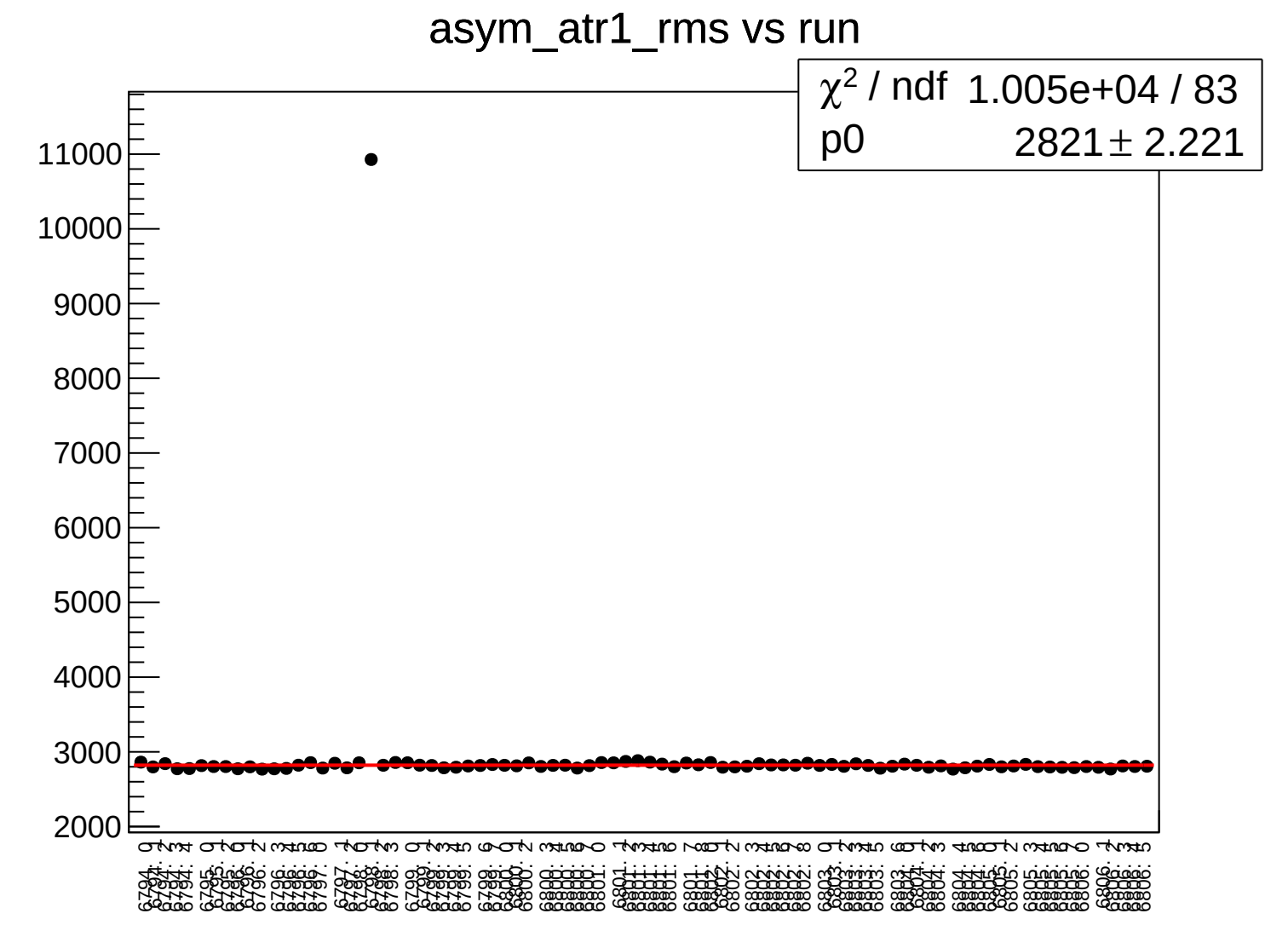

asym_atr1_correction_mean vs run
χ² / ndf 87.22 / 83
p0 −46.82 ± 778.8
30000
20000
10000
0
−10000
−20000
pull
Entries 84
Mean −64.9
Std Dev 146.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

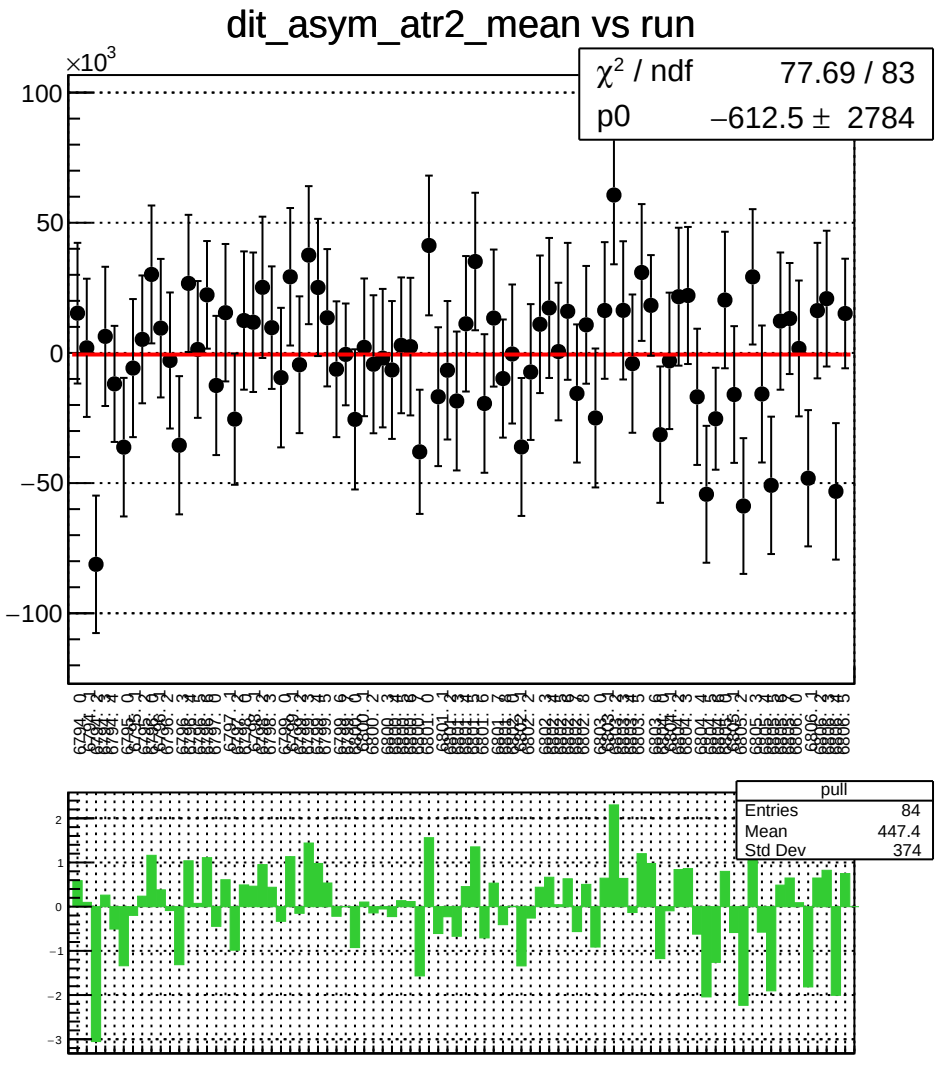

pull1D
Entries 84
Mean −0.007864
Std Dev 1.019
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

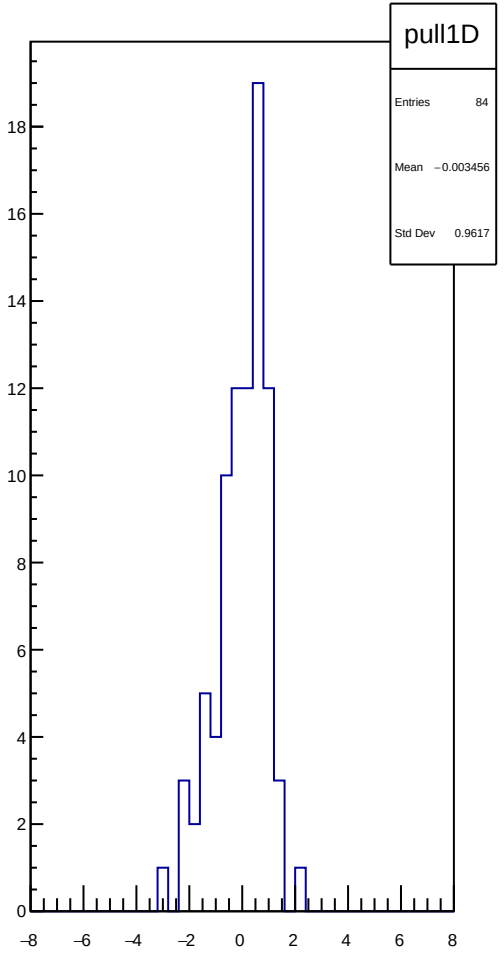

asym_atr1_correction_rms vs run
χ² / ndf 6460 / 83
p0 700.4 ± 0.5507
820
800
780
760
740
720
700
680
660
640
620

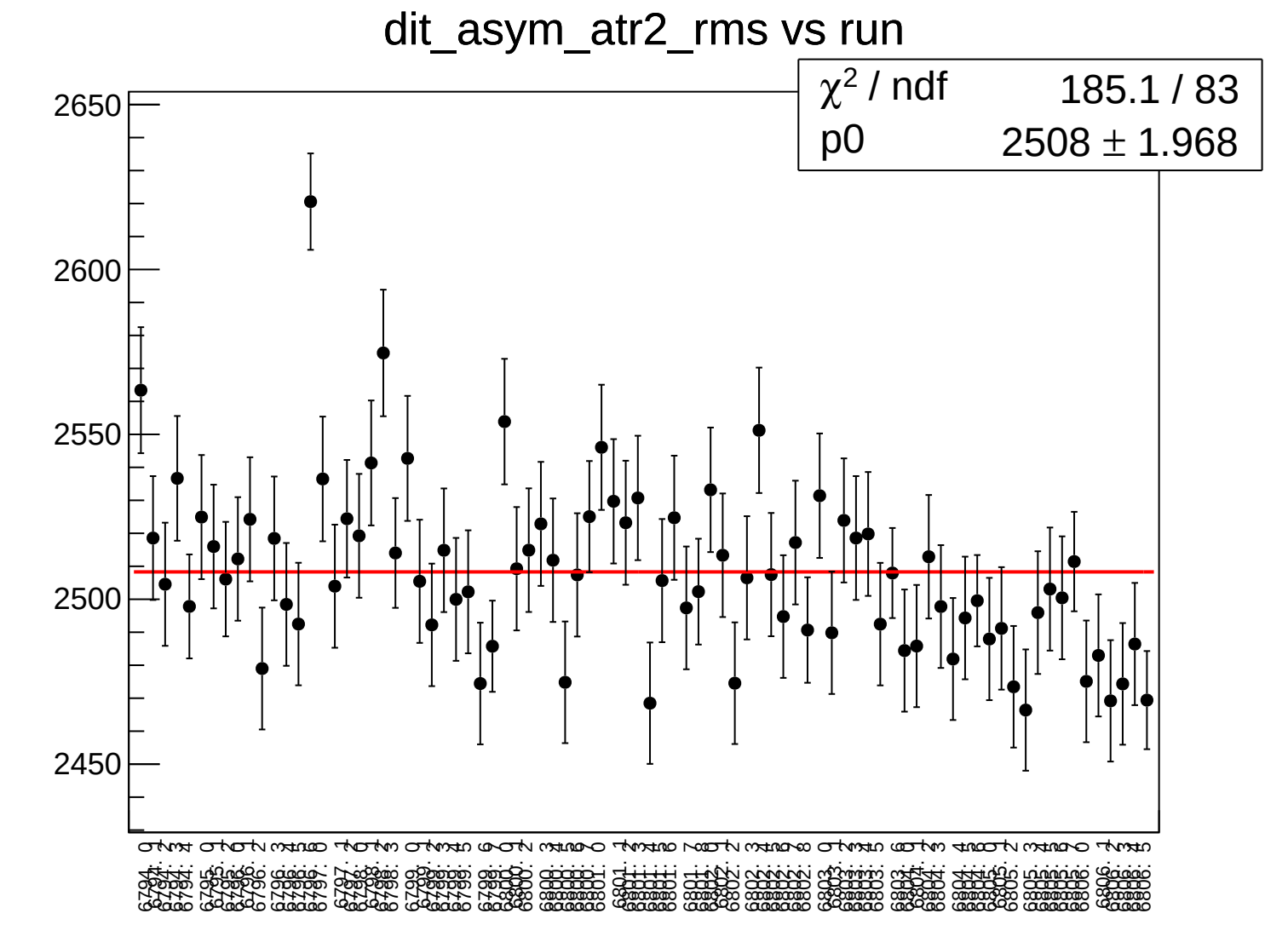

asym_atr1_mean vs run
×10^3
χ^2 / ndf 87.3 / 83
p0 4147 ± 3141
100
50
0
−50
−100
−150
−200
pull
Entries 84
Mean 96.02
Std Dev 34.91
2
1
0
−1
−2

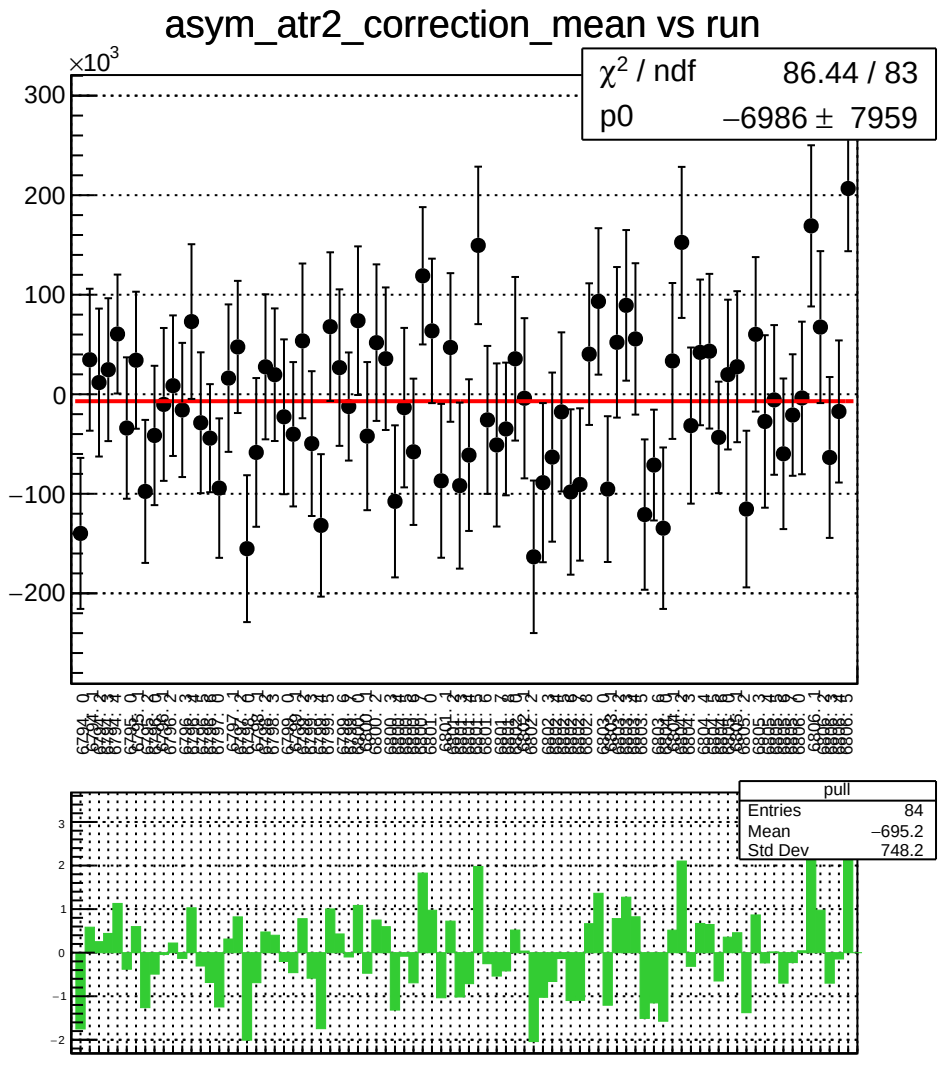

pull1D
Entries 84
Mean −0.01388
Std Dev 1.019
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

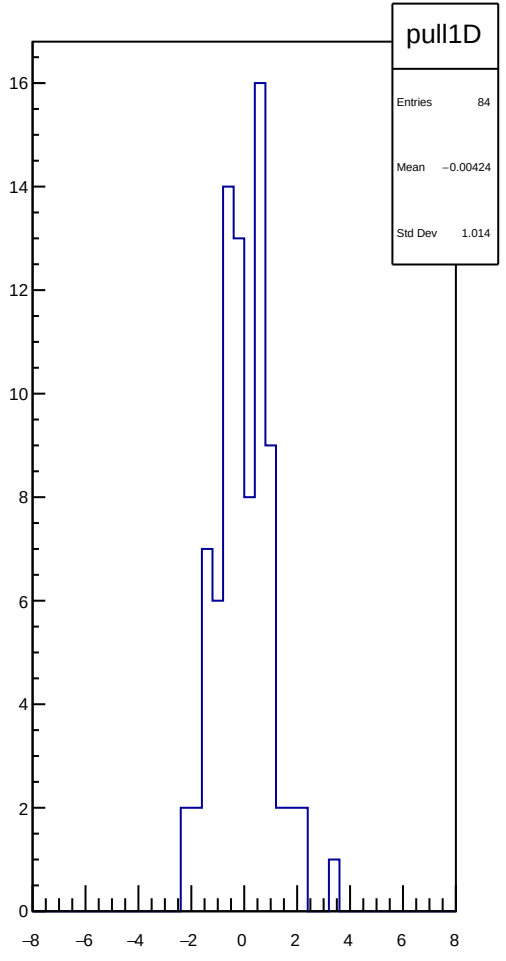

asym_atr1_rms vs run
χ^2 / ndf 1.005e+04 / 83
p0 2821 ± 2.221
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000

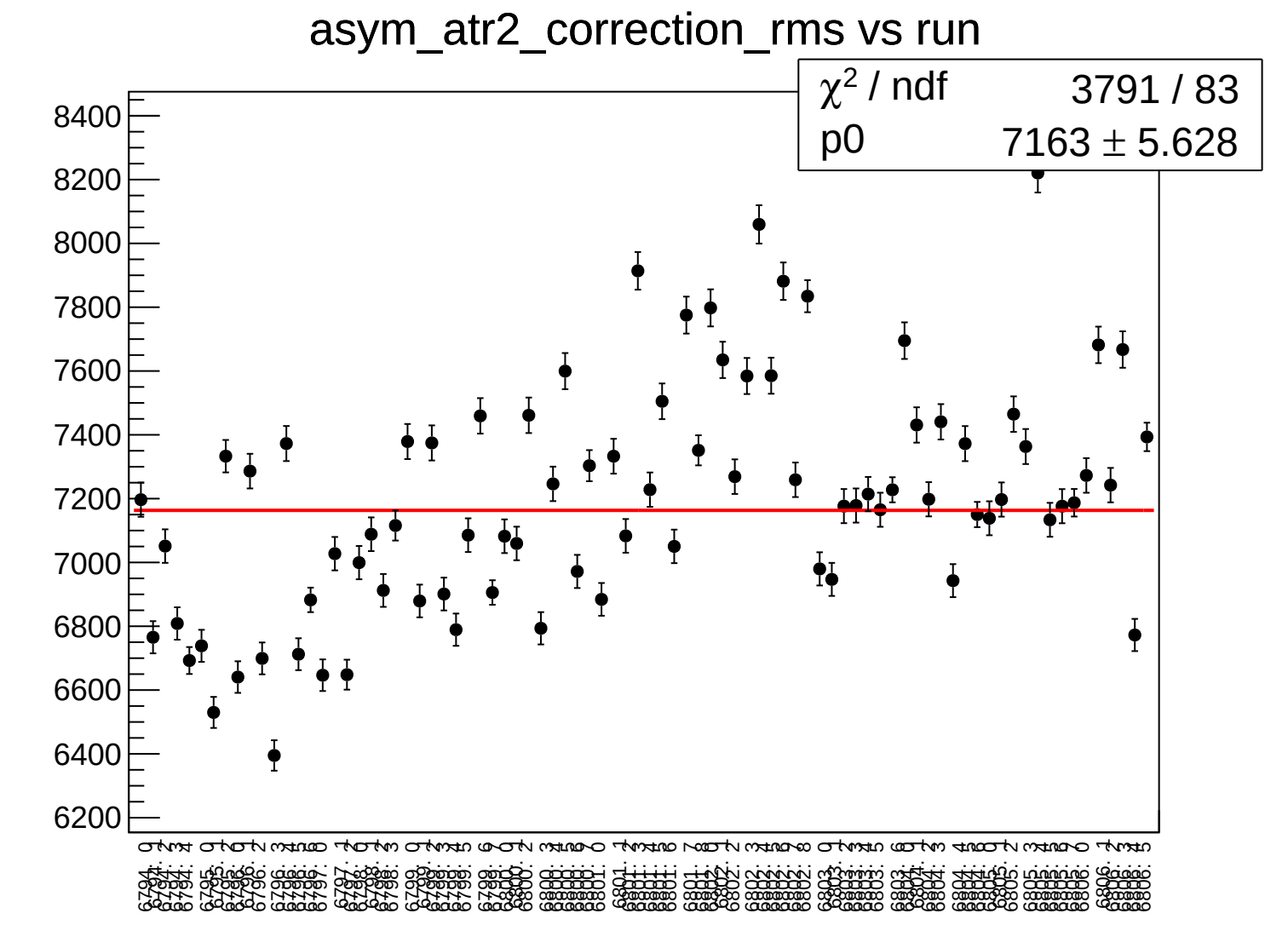

dit_asym_atr2_mean vs run
×10^3
χ² / ndf 77.69 / 83
p0 −612.5 ± 2784
100
50
0
−50
−100
pull
Entries 84
Mean 447.4
Std Dev 374
2
1
0
−1
−2
−3

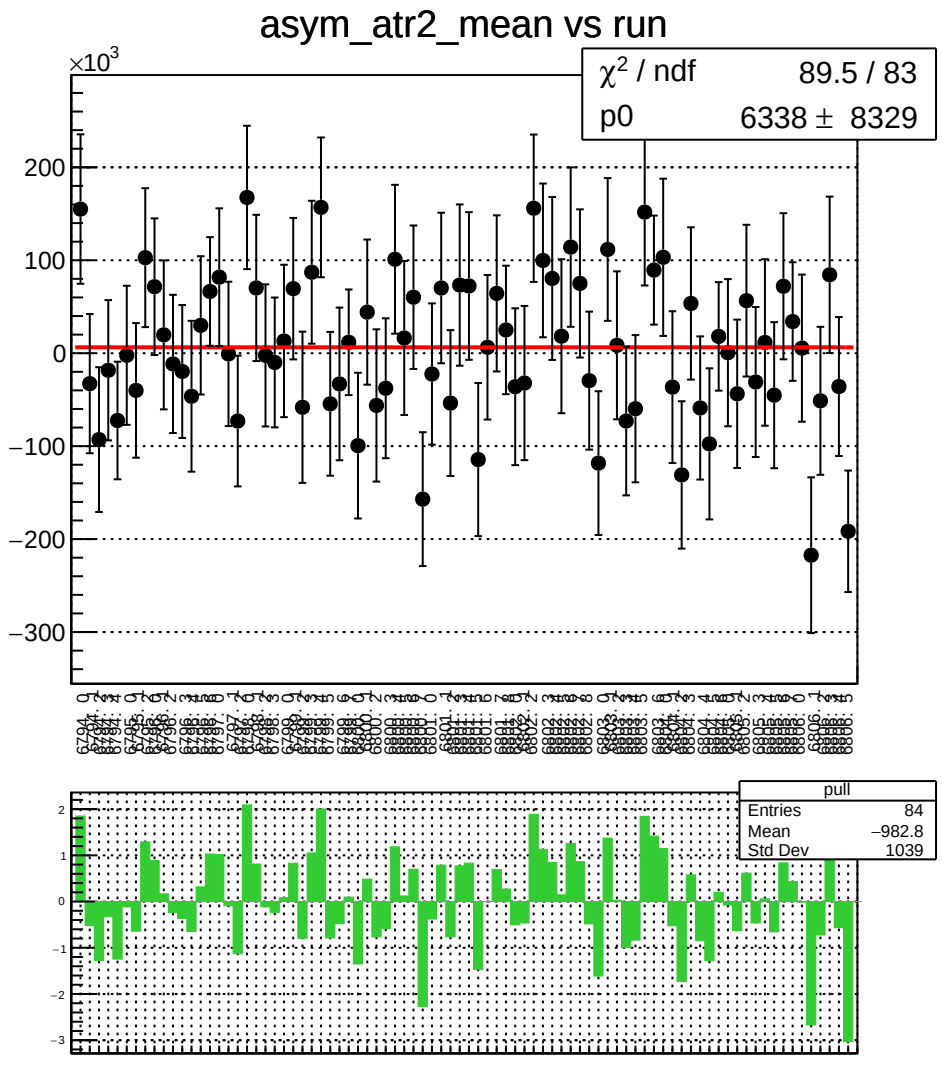

pull1D
Entries 84
Mean −0.003456
Std Dev 0.9617
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

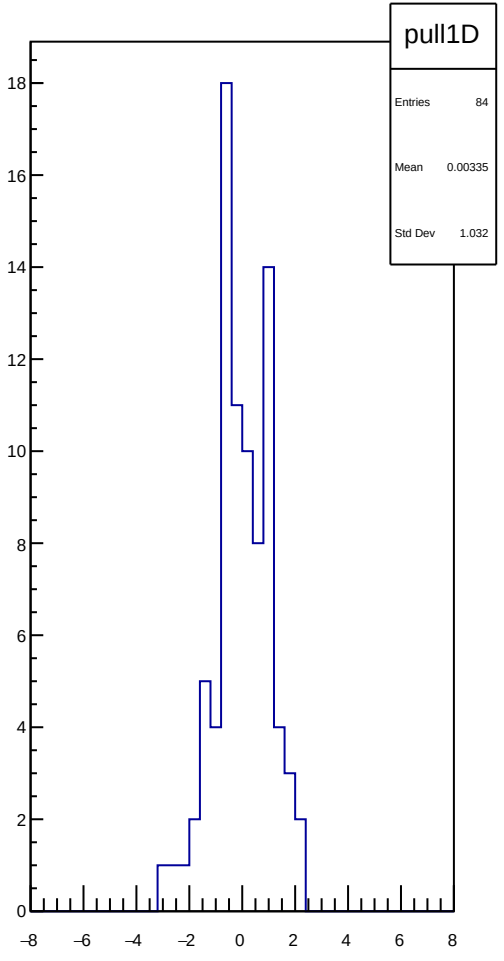

dit_asym_atr2_rms vs run
χ² / ndf 185.1 / 83
p0 2508 ± 1.968
2650
2600
2550
2500
2450

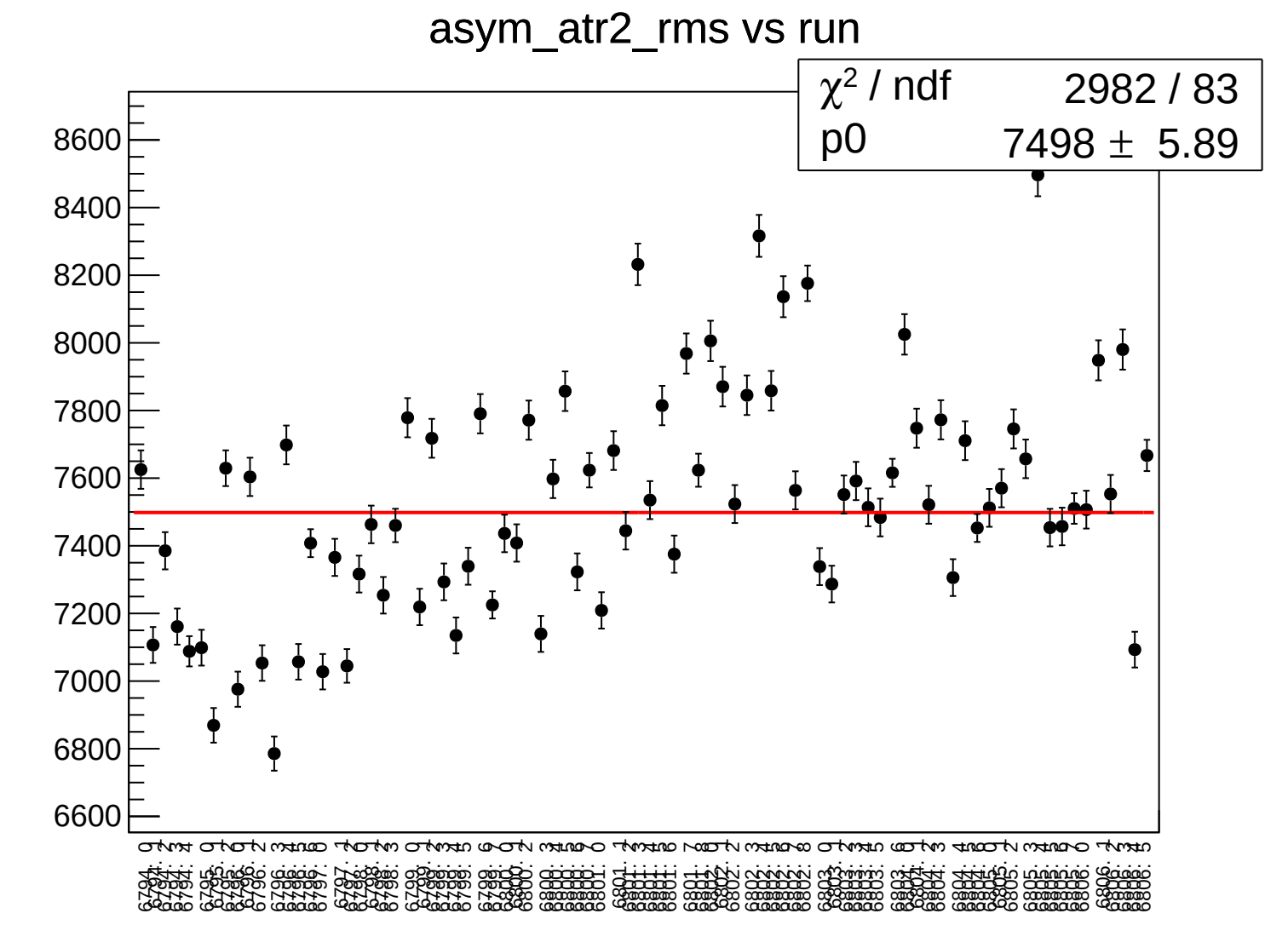

asym_atr2_correction_mean vs run
×10^3
χ^2 / ndf 86.44 / 83
p0 −6986 ± 7959
300
200
100
0
−100
−200
pull
Entries 84
Mean −695.2
Std Dev 748.2
3
2
1
0
−1
−2

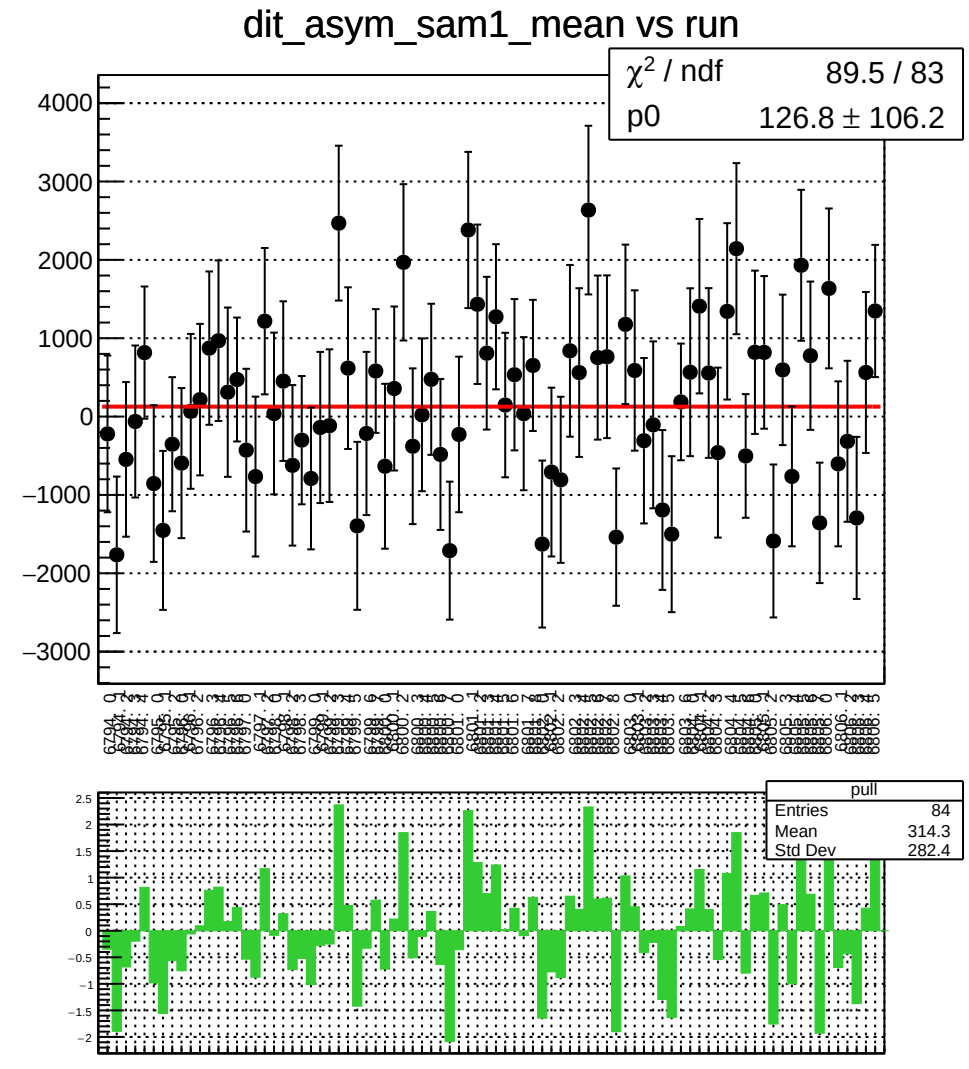

pull1D
Entries 84
Mean −0.00424
Std Dev 1.014
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

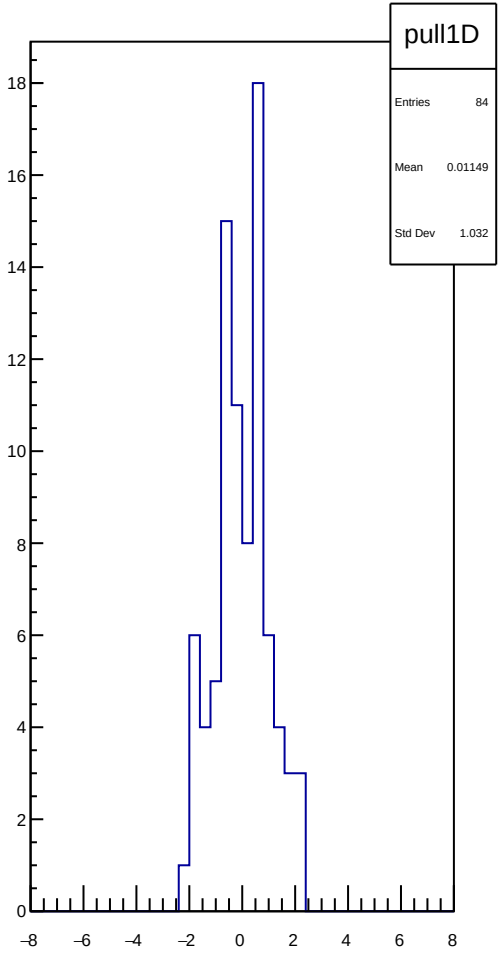

asym_atr2_correction_rms vs run
χ² / ndf 3791 / 83
p0 7163 ± 5.628
8400
8200
8000
7800
7600
7400
7200
7000
6800
6600
6400
6200

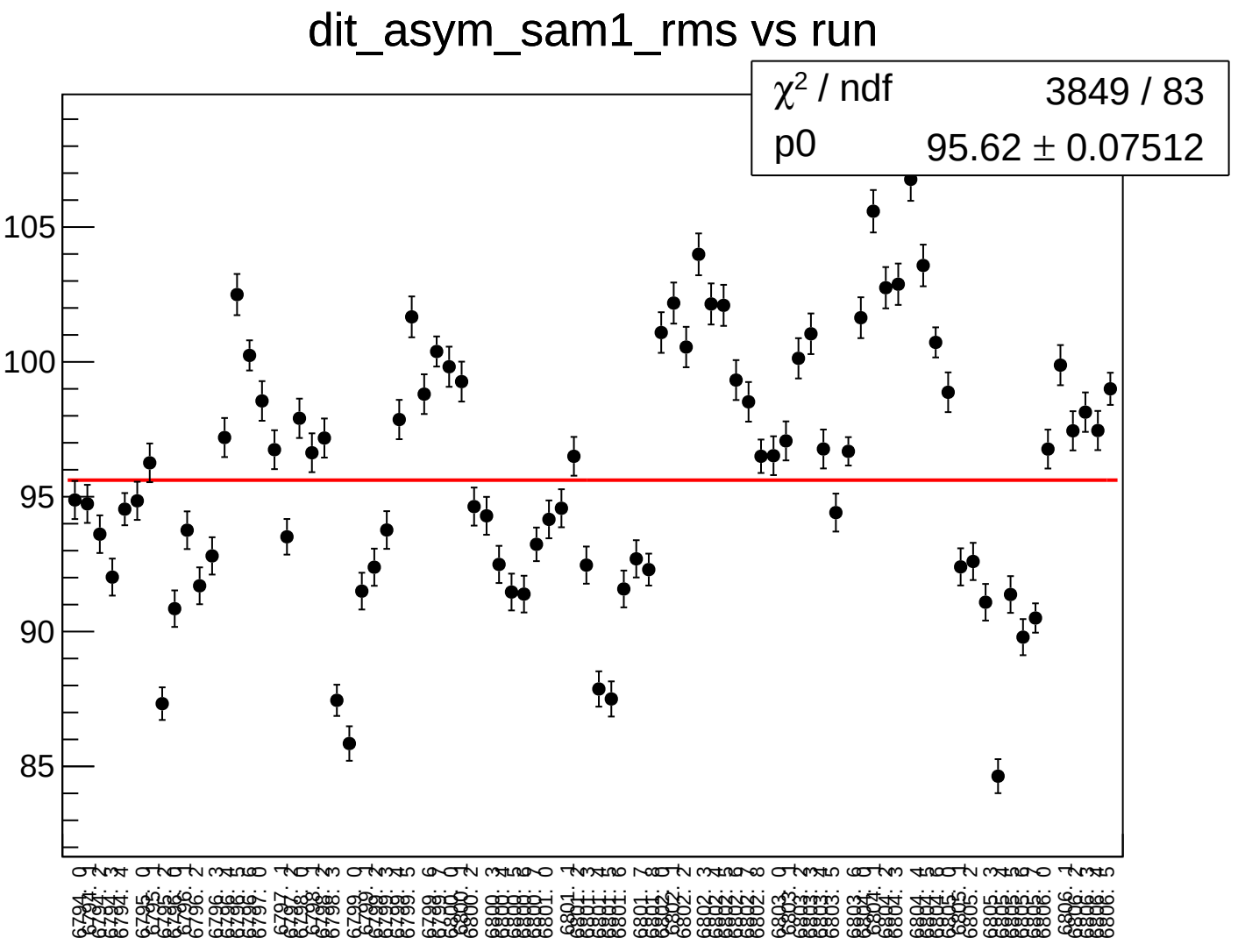

asym_atr2_mean vs run
×10^3
χ^2 / ndf 89.5 / 83
p0 6338 ± 8329
200
100
0
−100
−200
−300
pull
Entries 84
Mean −982.8
Std Dev 1039
2
1
0
−1
−2
−3

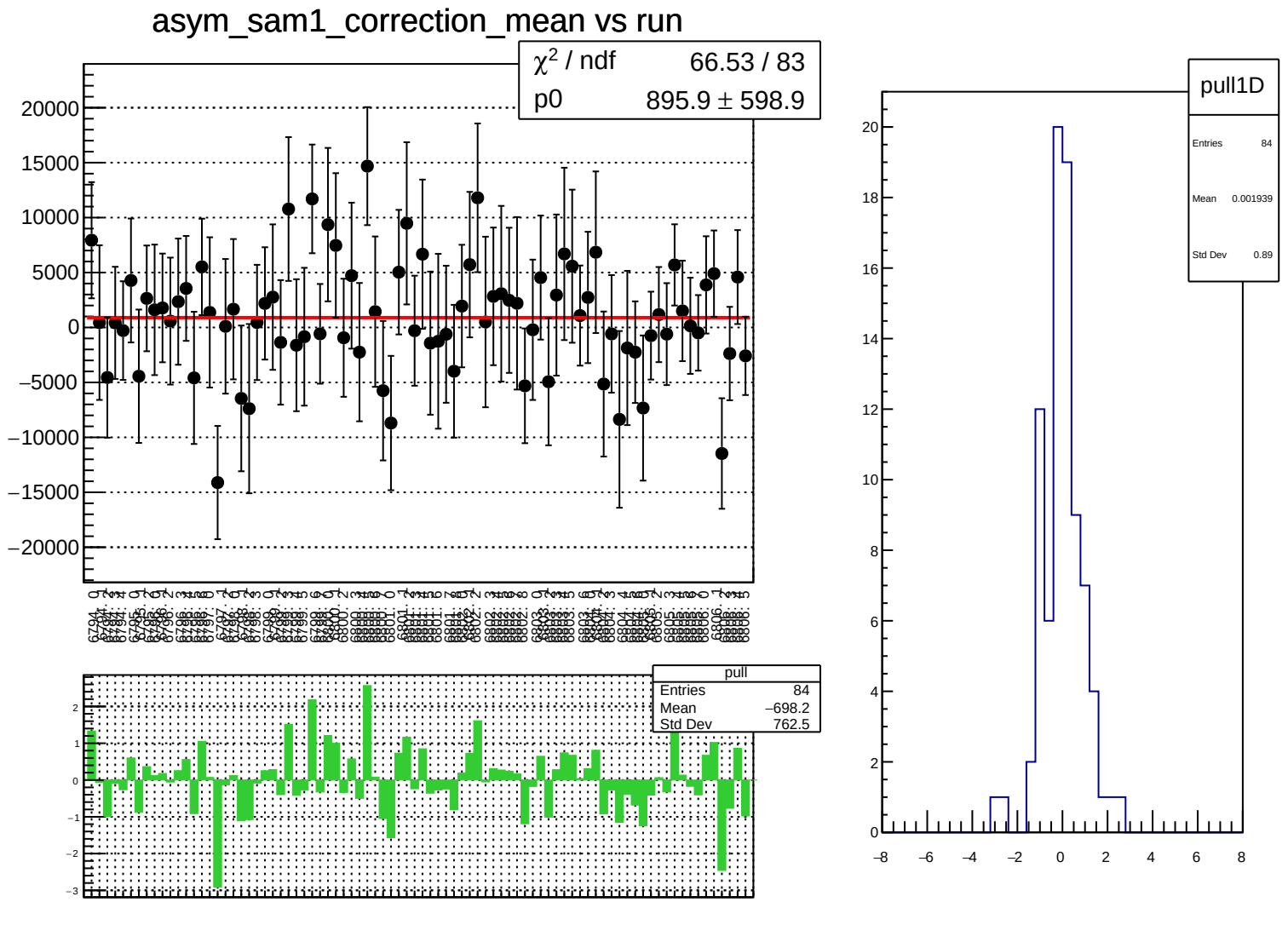

pull1D
Entries 84
Mean 0.00335
Std Dev 1.032
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

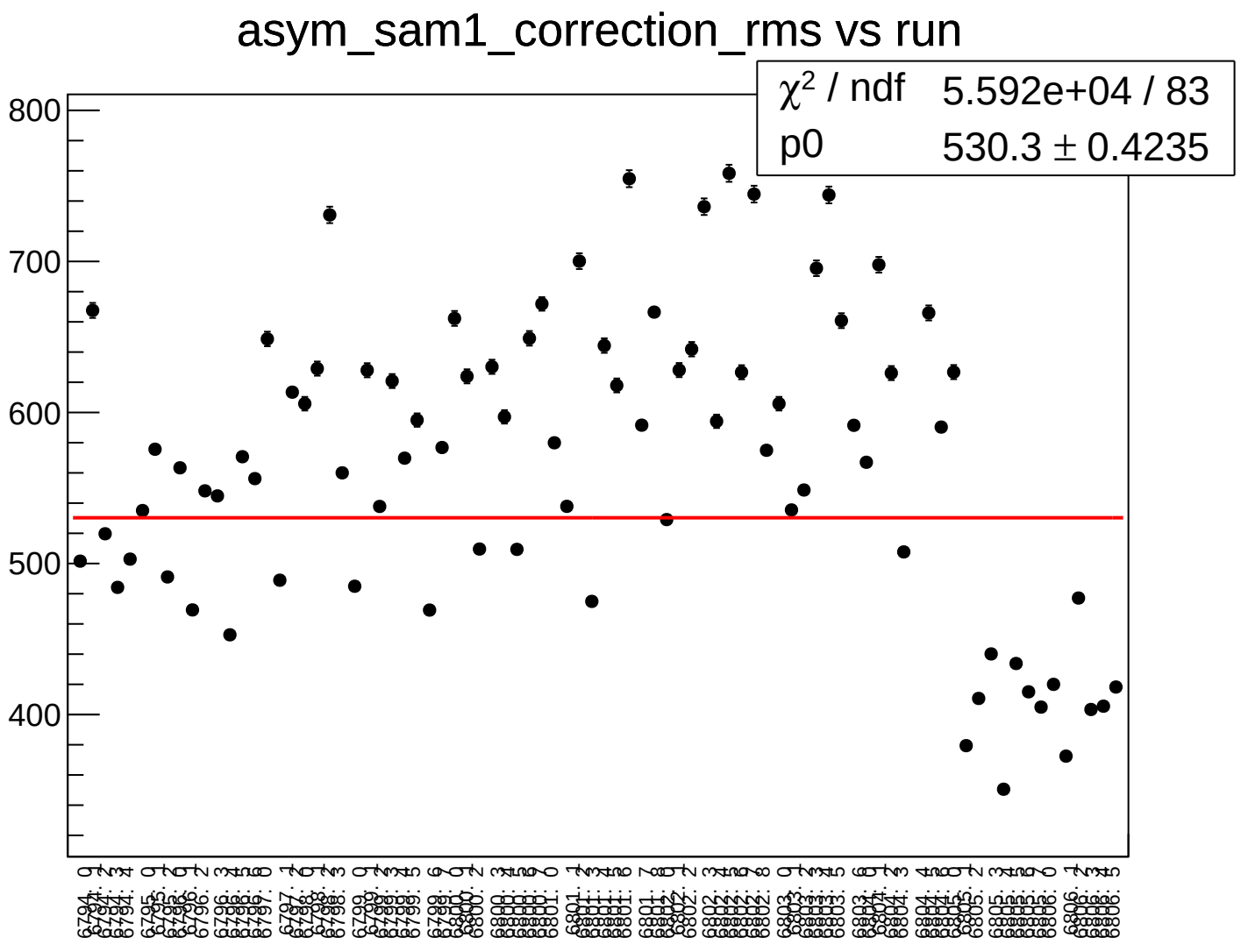

asym_atr2_rms vs run
χ² / ndf 2982 / 83
p0 7498 ± 5.89
8600
8400
8200
8000
7800
7600
7400
7200
7000
6800
6600

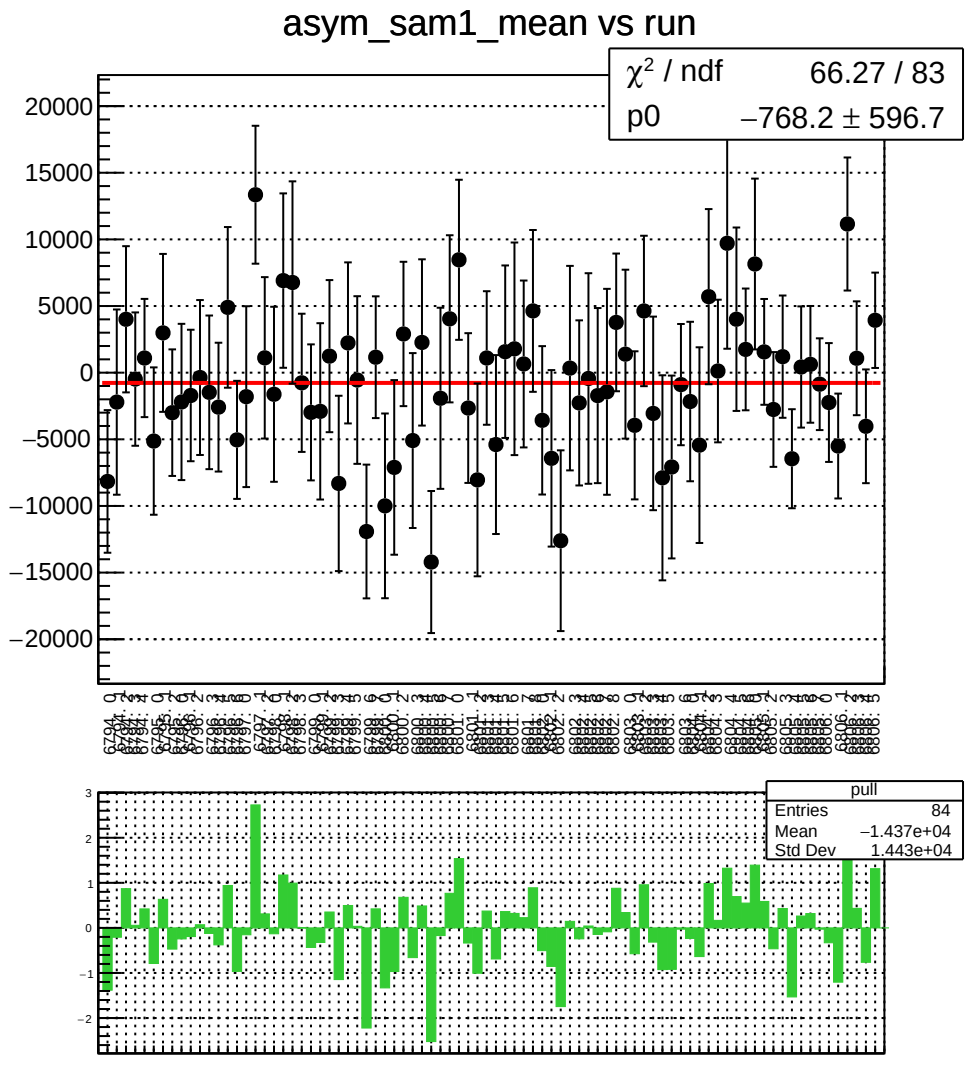

dit_asym_sam1_mean vs run
χ² / ndf 89.5 / 83
p0 126.8 ± 106.2
pull
Entries 84
Mean 314.3
Std Dev 282.4

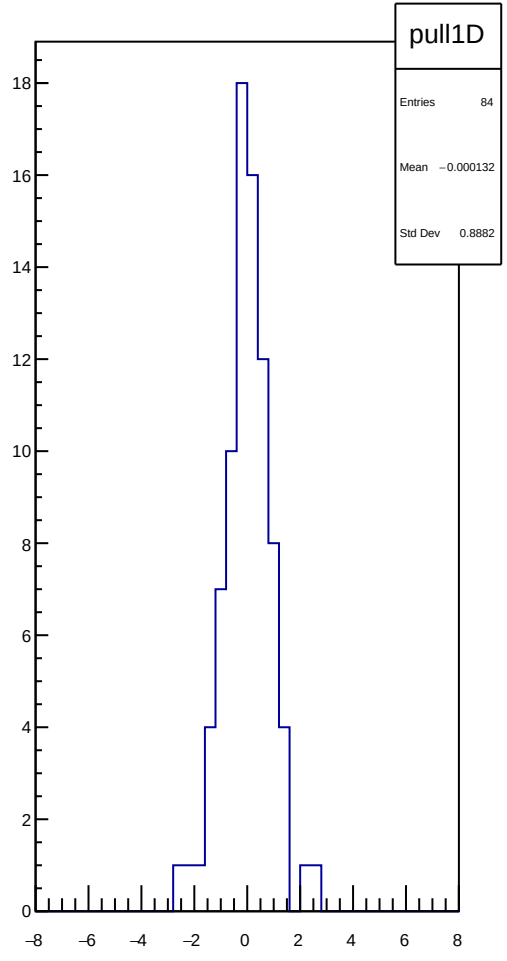

pull1D
Entries 84
Mean 0.01149
Std Dev 1.032

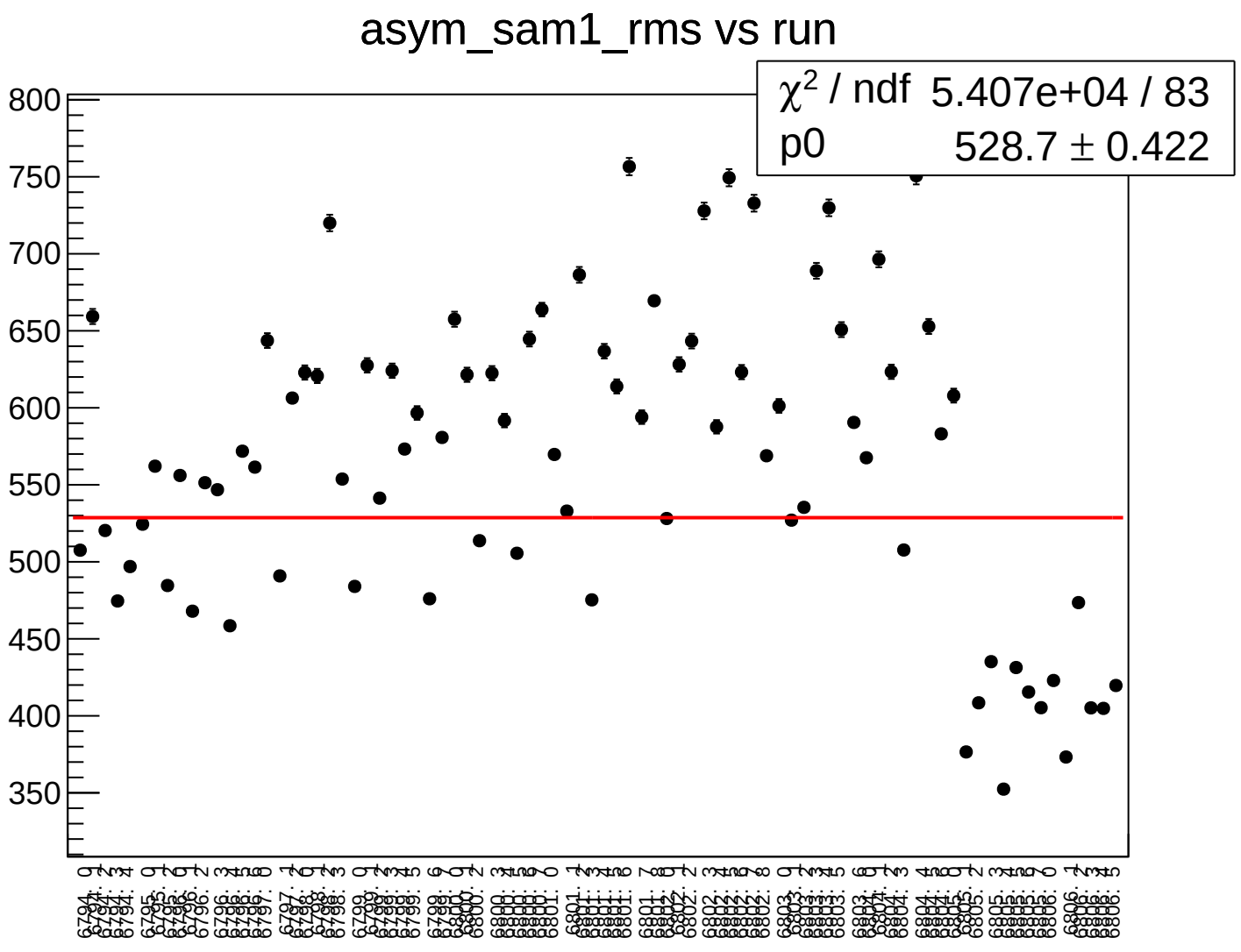

dit_asym_sam1_rms vs run
χ² / ndf 3849 / 83
p0 95.62 ± 0.07512
105
100
95
90
85

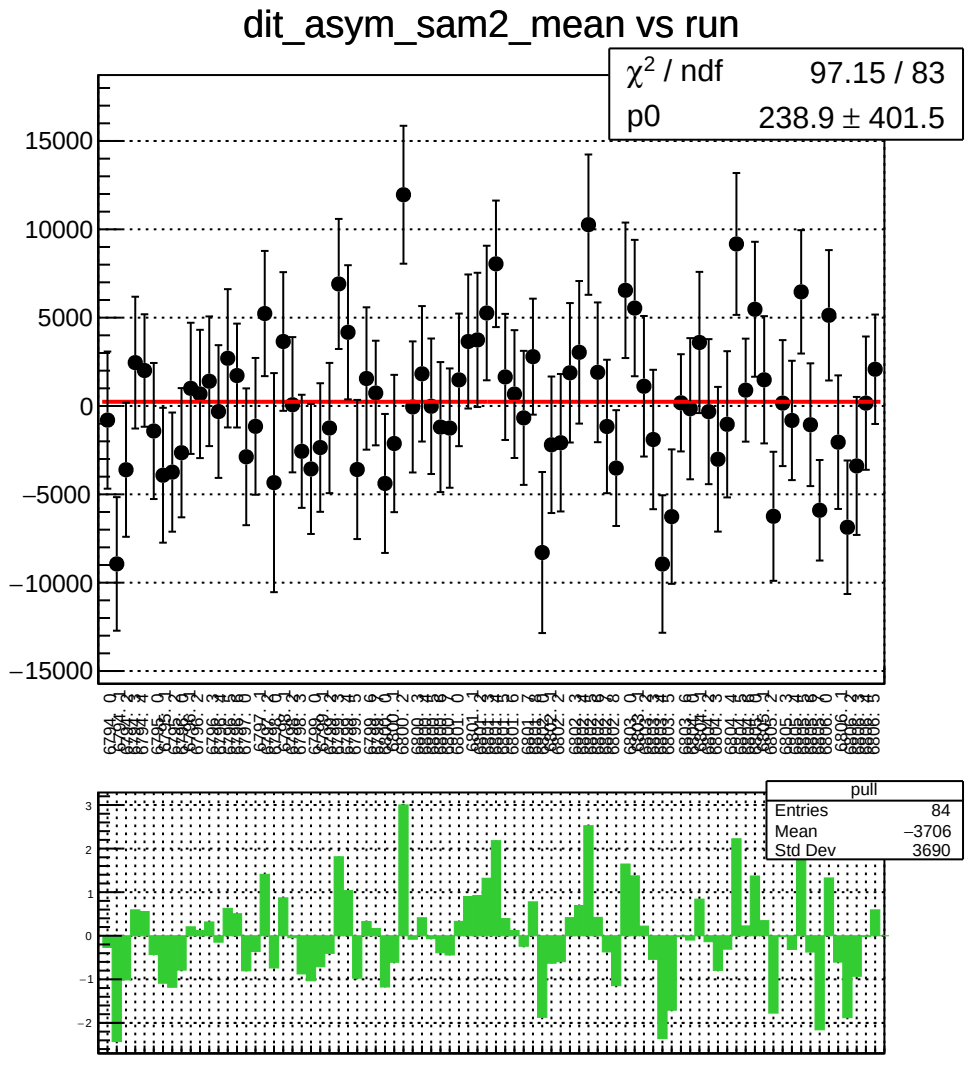

asym_sam1_correction_mean vs run
χ² / ndf 66.53 / 83
p0 895.9 ± 598.9
pull
Entries 84
Mean −698.2
Std Dev 762.5
pull1D
Entries 84
Mean 0.001939
Std Dev 0.89

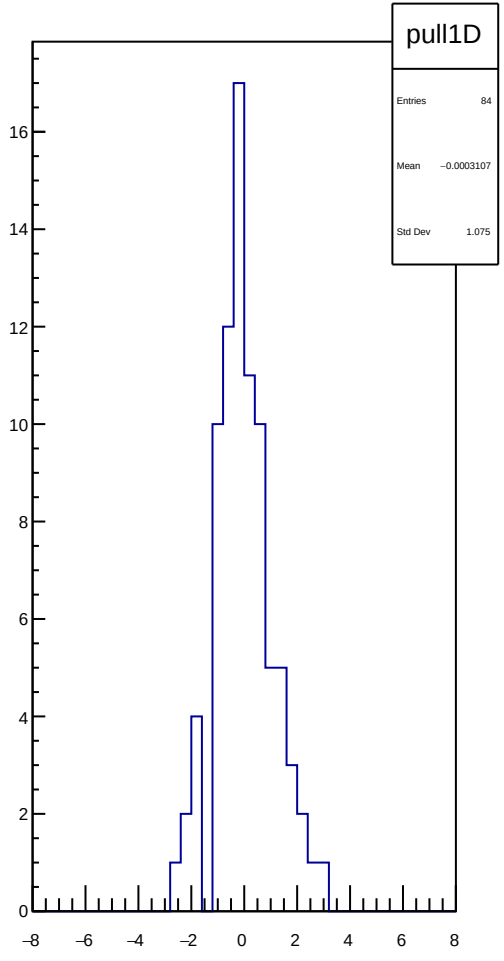

asym_sam1_correction_rms vs run
χ² / ndf 5.592e+04 / 83
p0 530.3 ± 0.4235
800
700
600
500
400

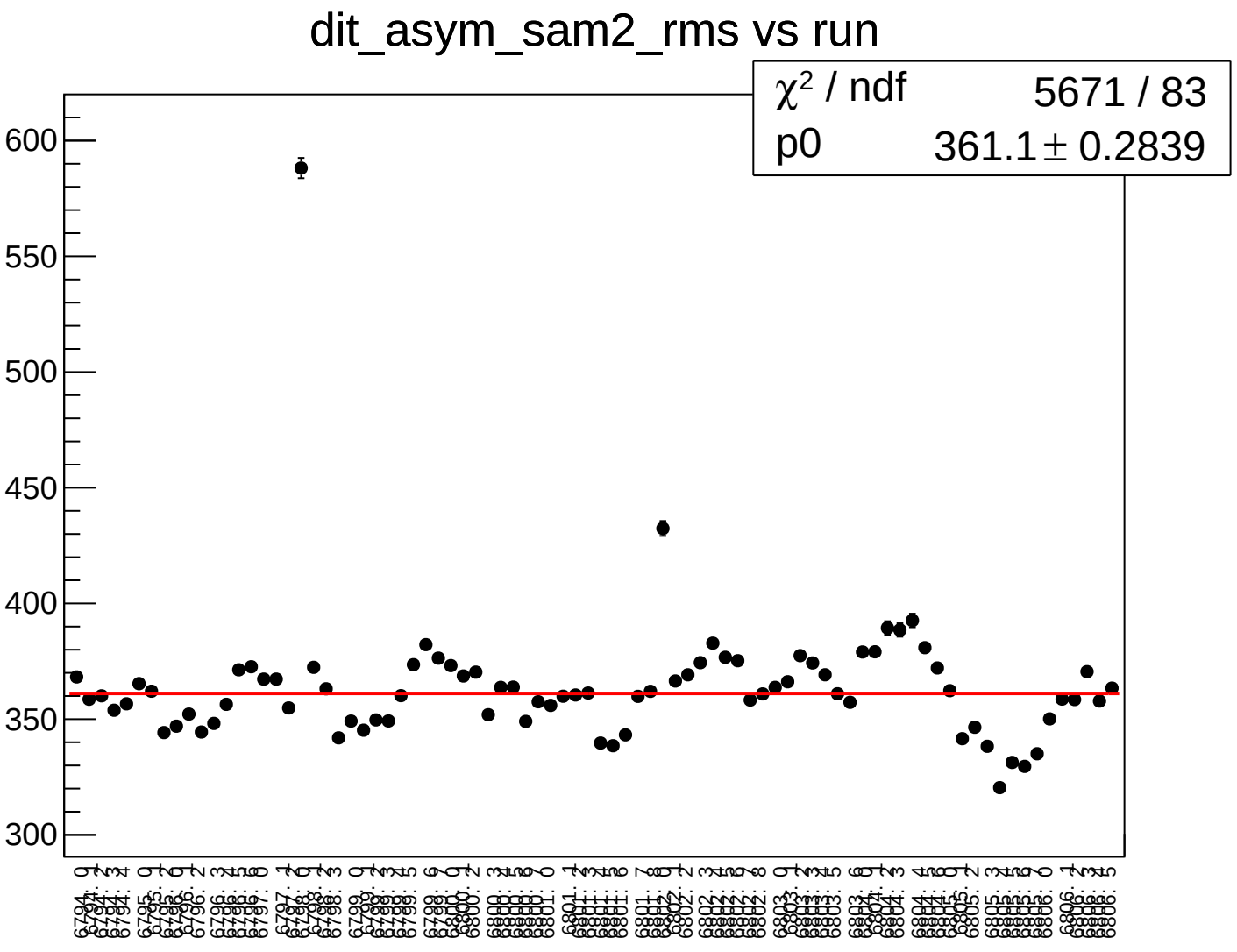

asym_sam1_mean vs run
χ² / ndf 66.27 / 83
p0 −768.2 ± 596.7
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 84
Mean −1.437e+04
Std Dev 1.443e+04
3
2
1
0
−1
−2

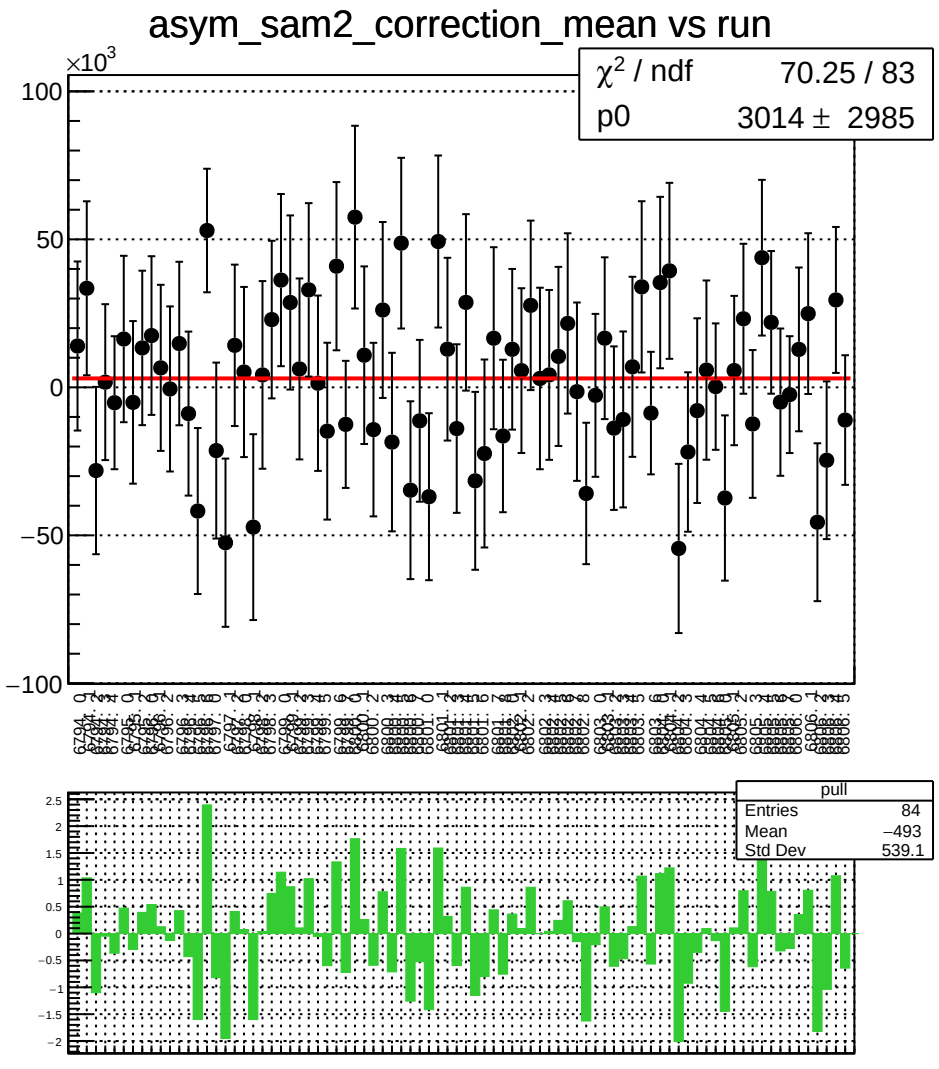

pull1D
Entries 84
Mean −0.000132
Std Dev 0.8882
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

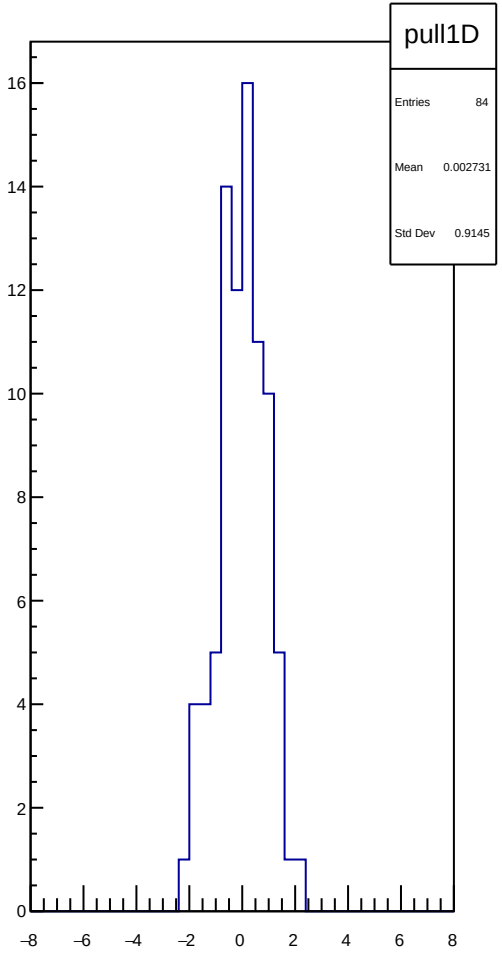

asym_sam1_rms vs run
χ² / ndf 5.407e+04 / 83
p0 528.7 ± 0.422
800
750
700
650
600
550
500
450
400
350

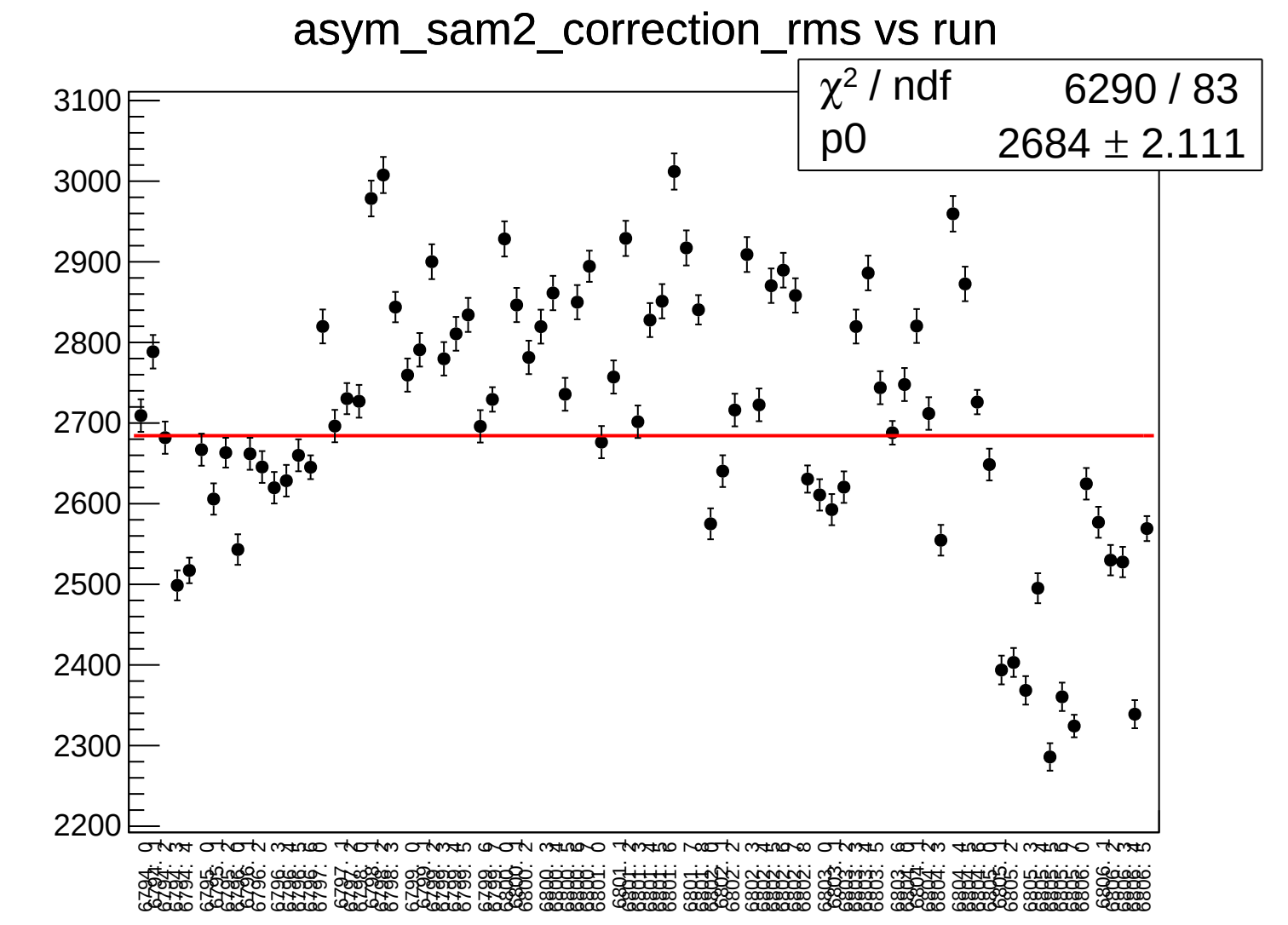

dit_asym_sam2_mean vs run
χ² / ndf 97.15 / 83
p0 238.9 ± 401.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean −3706
Std Dev 3690
3
2
1
0
−1
−2

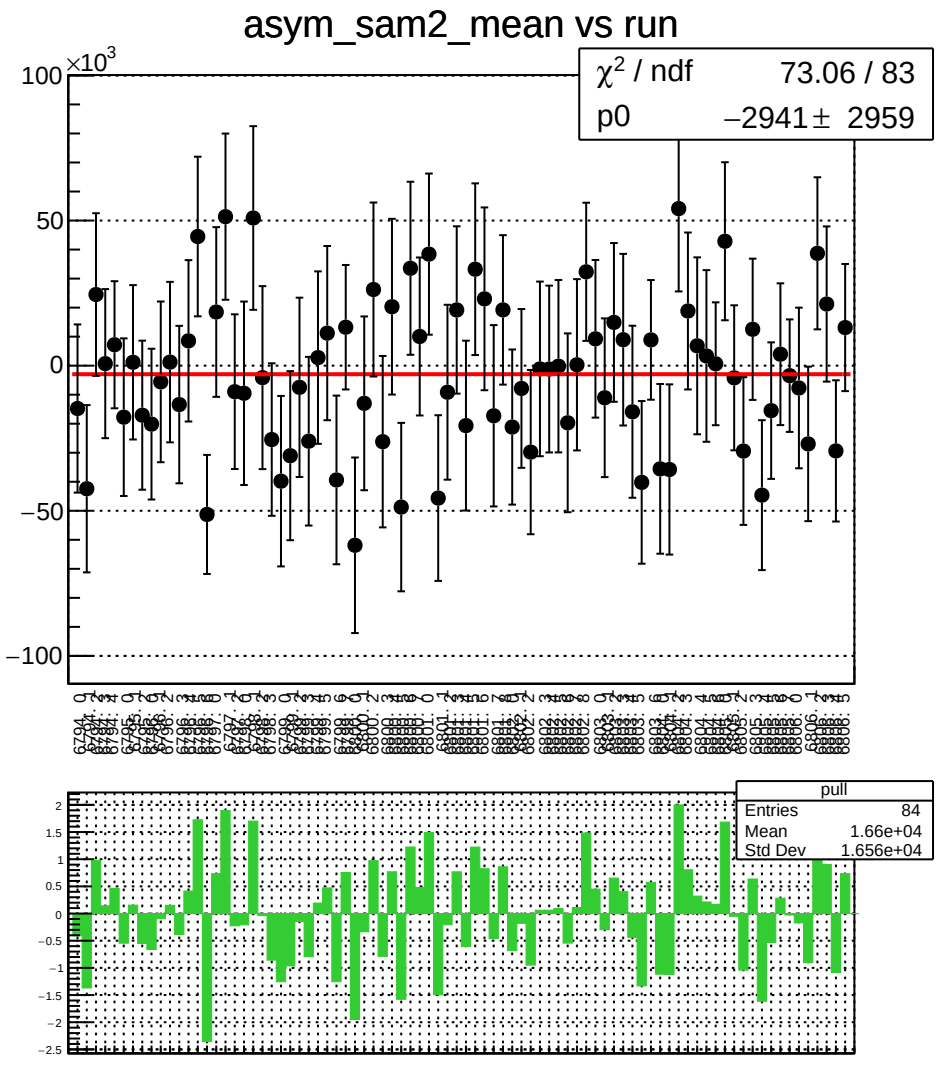

pull1D
Entries 84
Mean −0.0003107
Std Dev 1.075
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

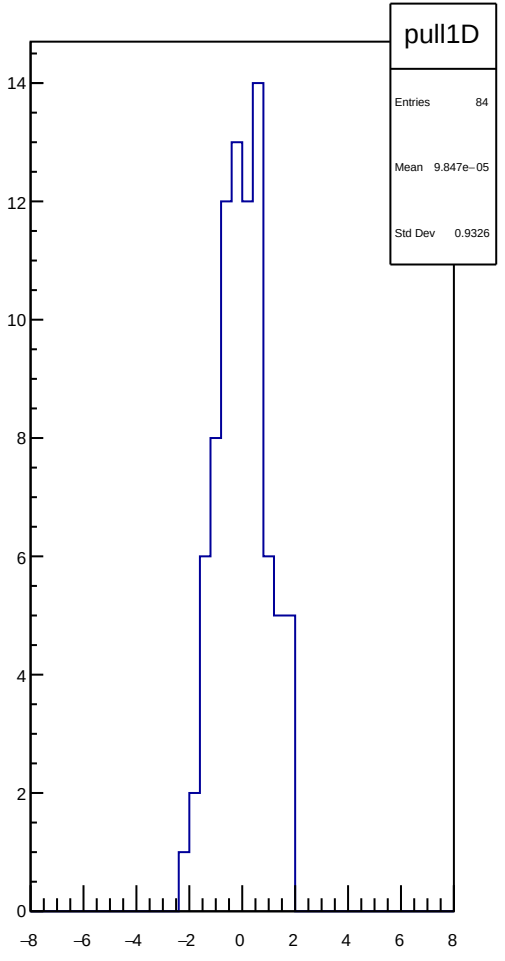

dit_asym_sam2_rms vs run
χ² / ndf 5671 / 83
p0 361.1 ± 0.2839
600
550
500
450
400
350
300

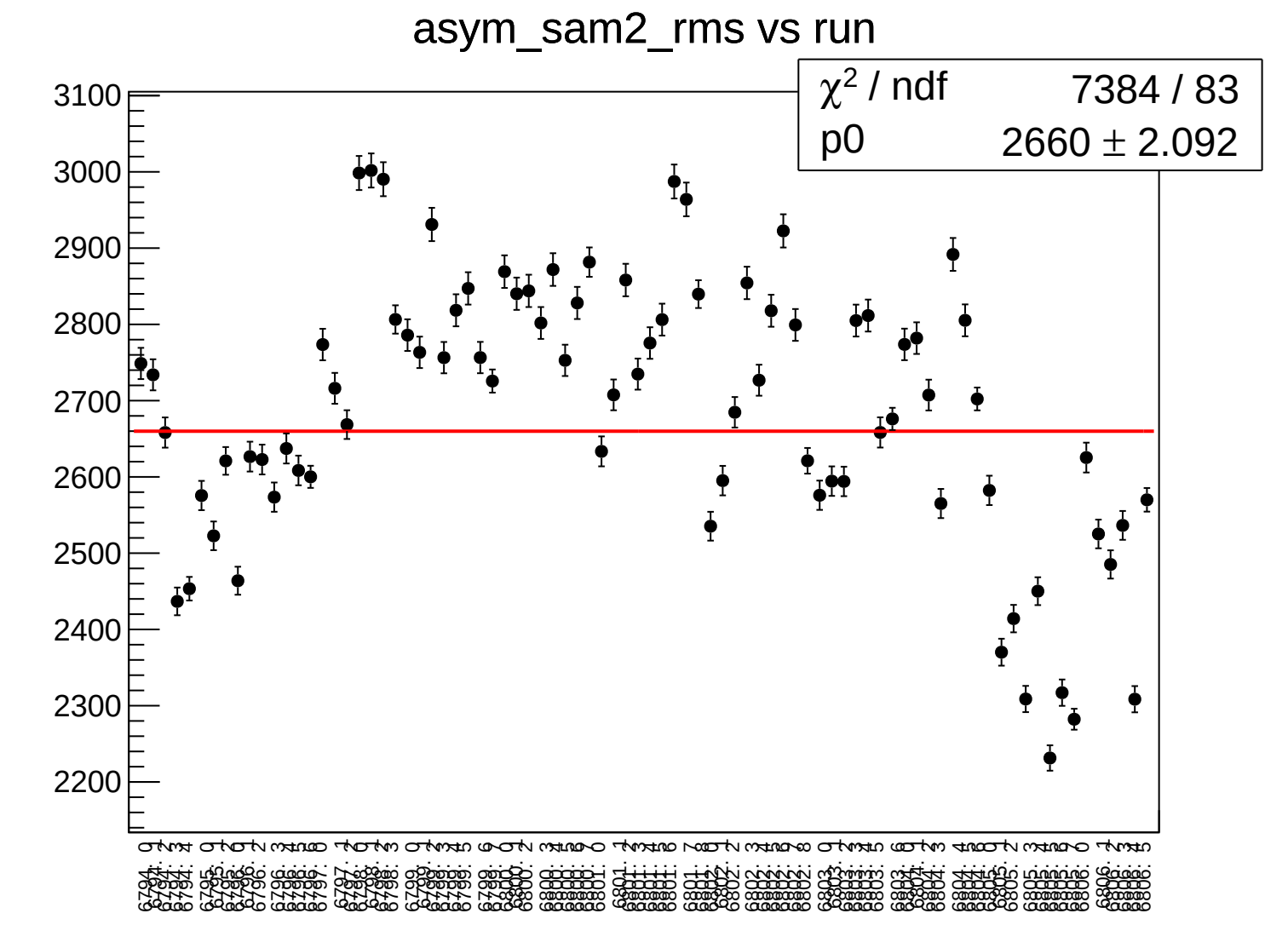

asym_sam2_correction_mean vs run
×10^3
χ² / ndf 70.25 / 83
p0 3014 ± 2985
pull
Entries 84
Mean −493
Std Dev 539.1

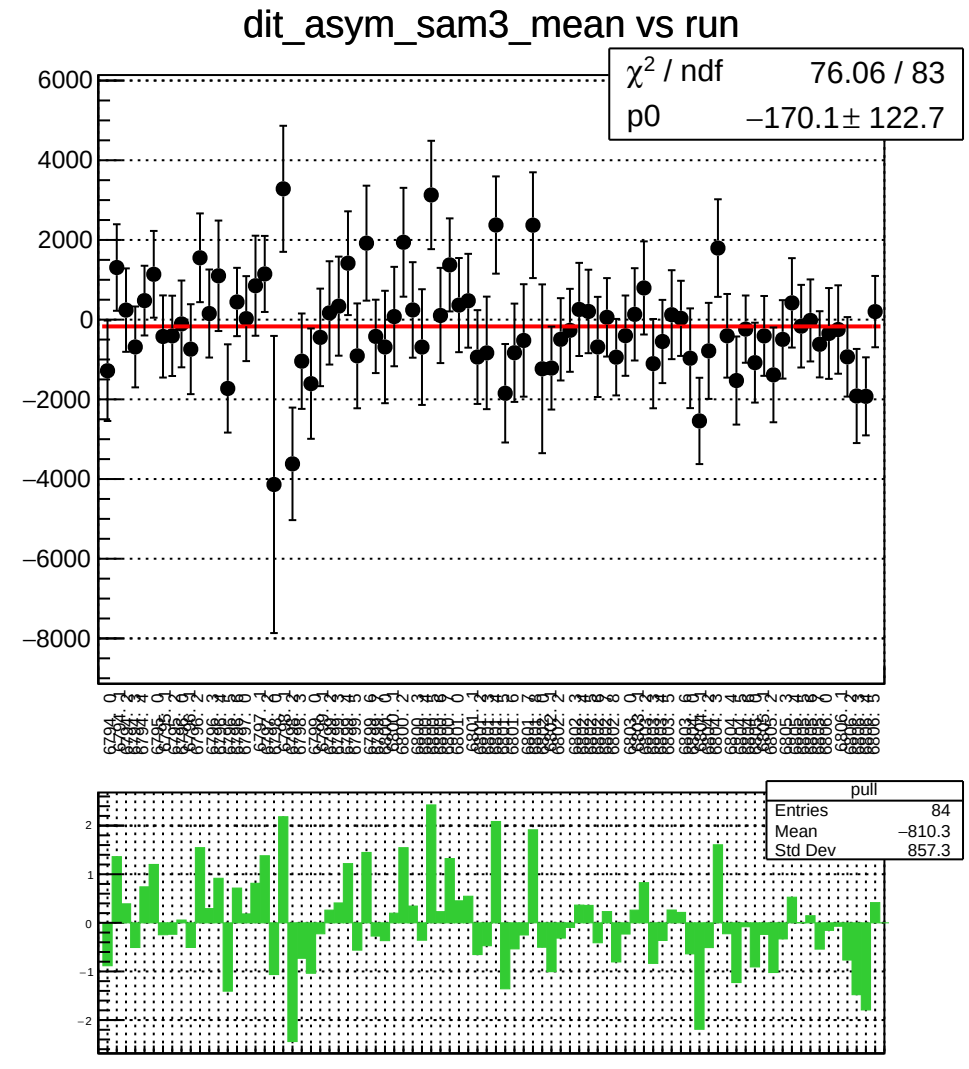

pull1D
Entries 84
Mean 0.002731
Std Dev 0.9145

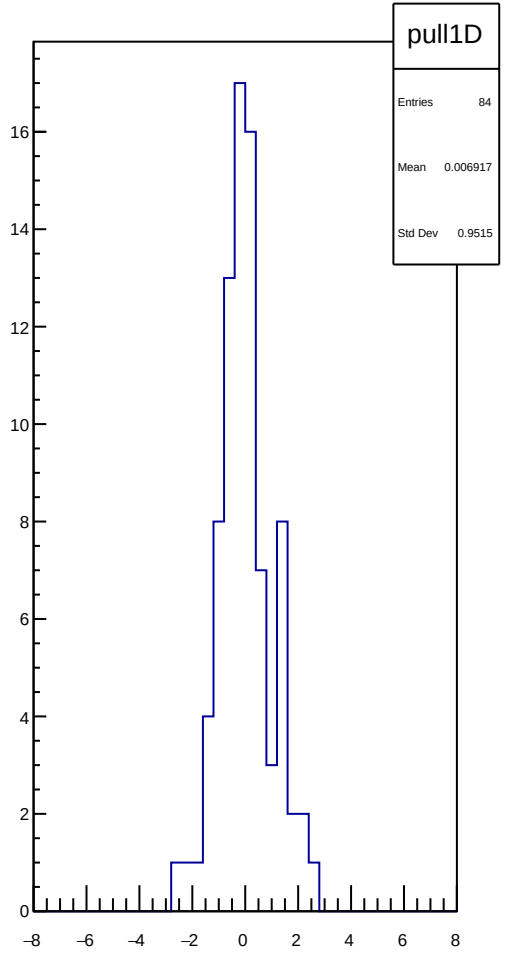

asym_sam2_correction_rms vs run
χ² / ndf 6290 / 83
p0 2684 ± 2.111
3100
3000
2900
2800
2700
2600
2500
2400
2300
2200

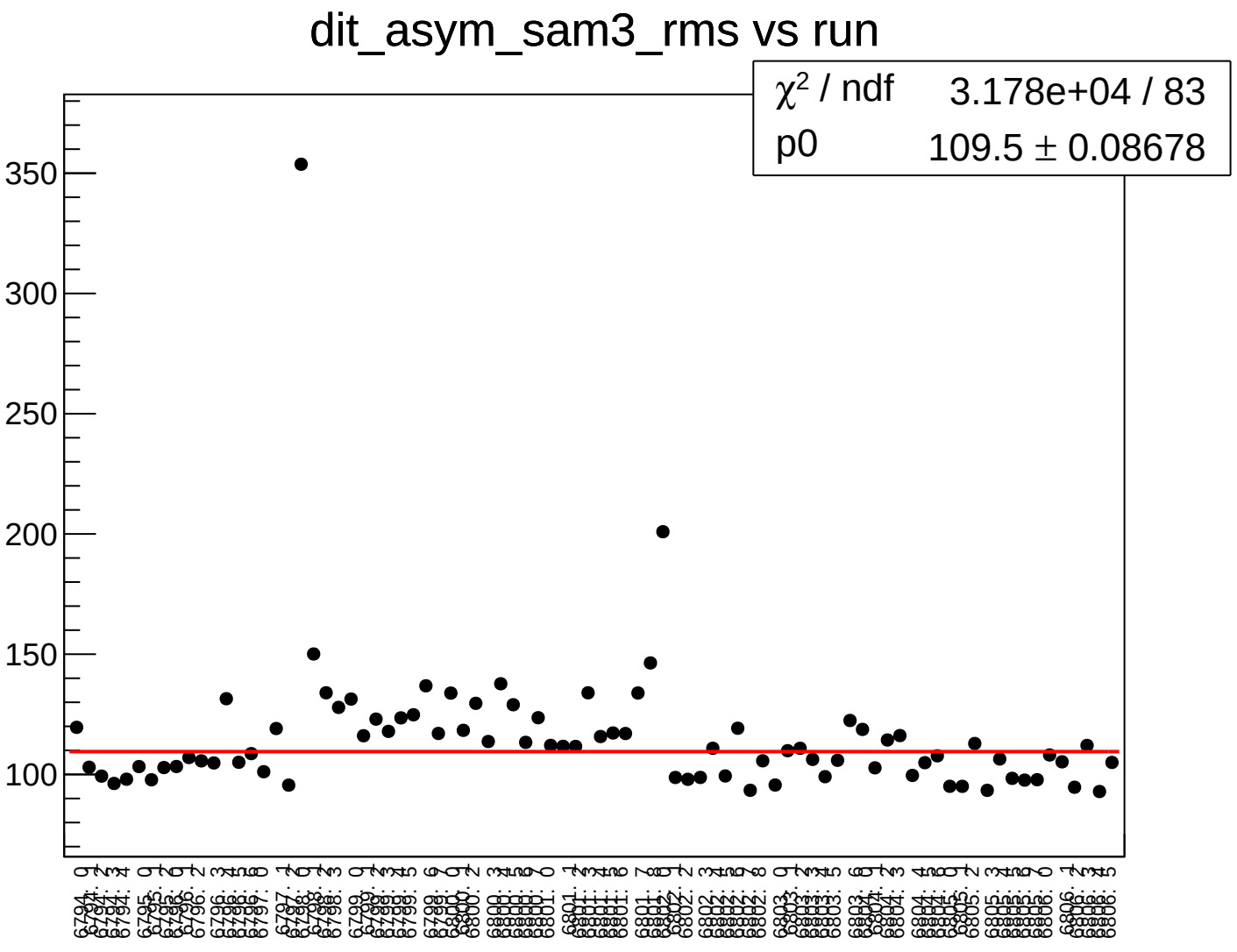

asym_sam2_mean vs run
χ² / ndf 73.06 / 83
p0 −2941 ± 2959
×10³
100
50
0
−50
−100
pull
Entries 84
Mean 1.66e+04
Std Dev 1.656e+04
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

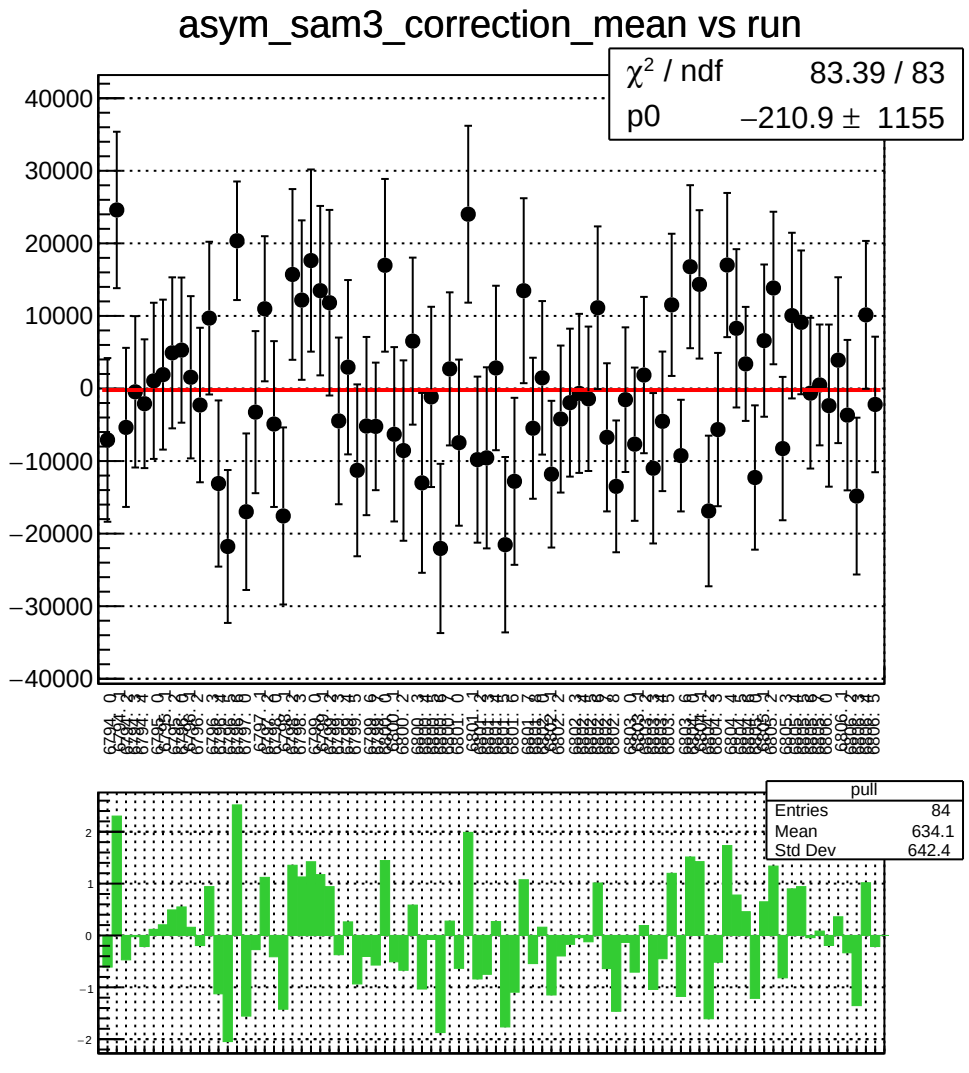

pull1D
Entries 84
Mean 9.847e−05
Std Dev 0.9326
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

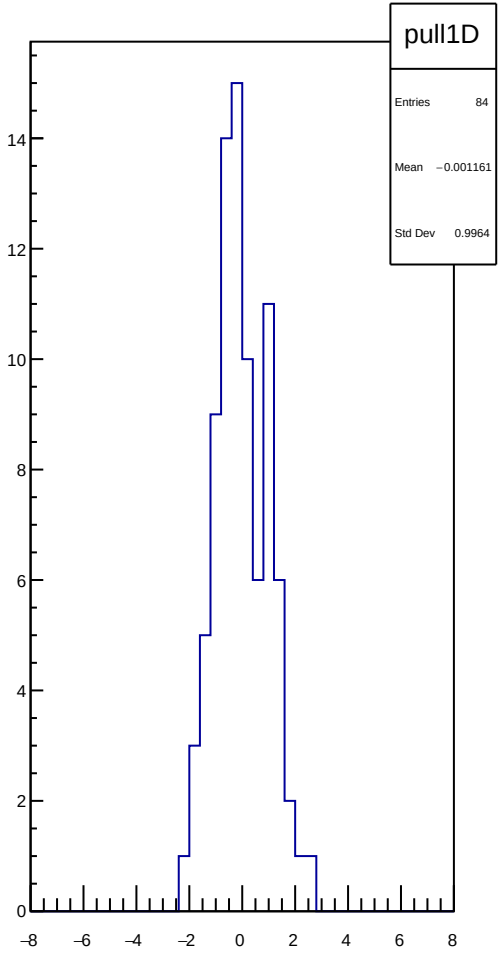

asym_sam2_rms vs run
χ^2 / ndf 7384 / 83
p0 2660 ± 2.092
3100
3000
2900
2800
2700
2600
2500
2400
2300
2200

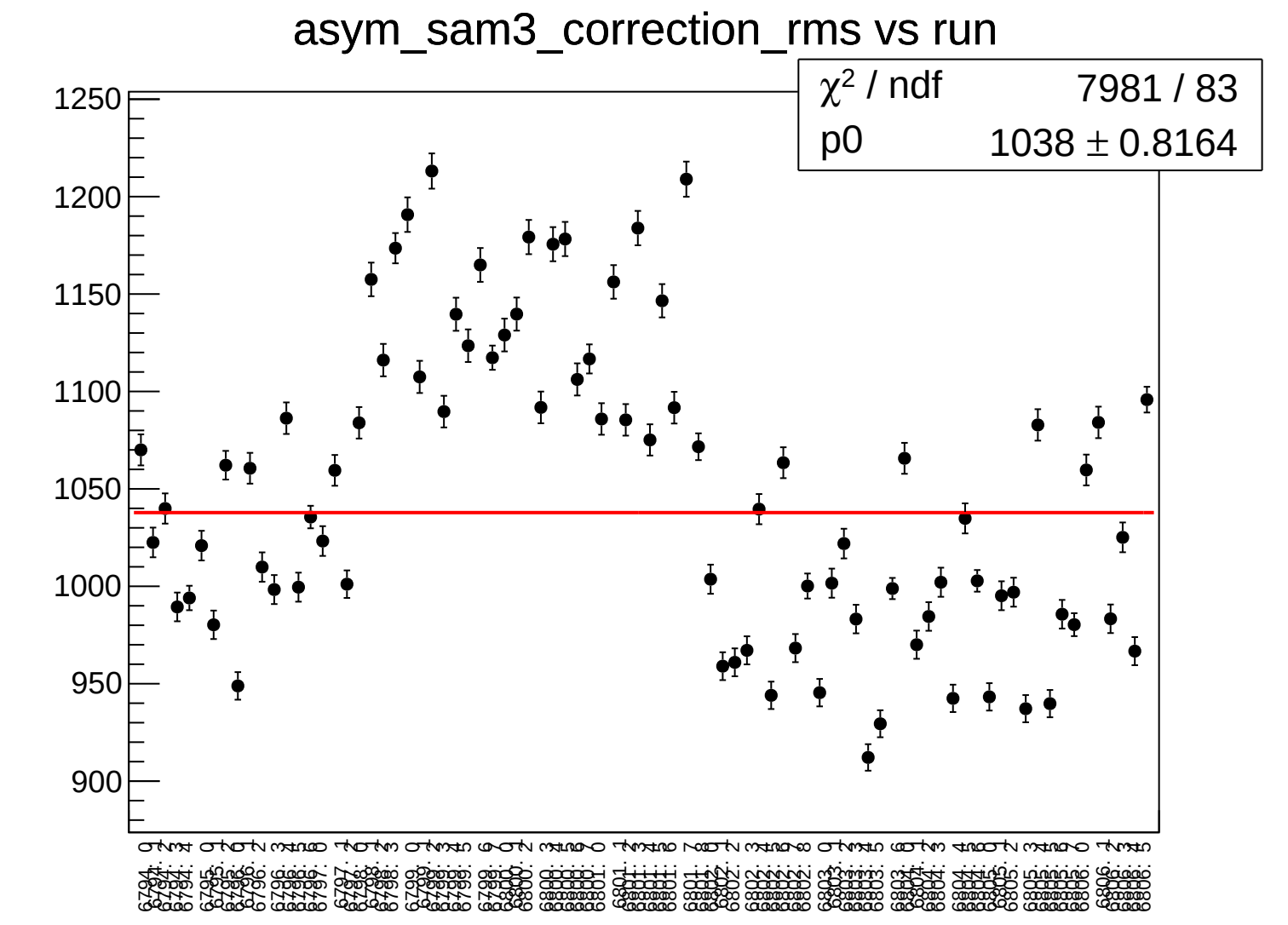

dit_asym_sam3_mean vs run
χ² / ndf 76.06 / 83
p0 −170.1± 122.7
pull
Entries 84
Mean −810.3
Std Dev 857.3

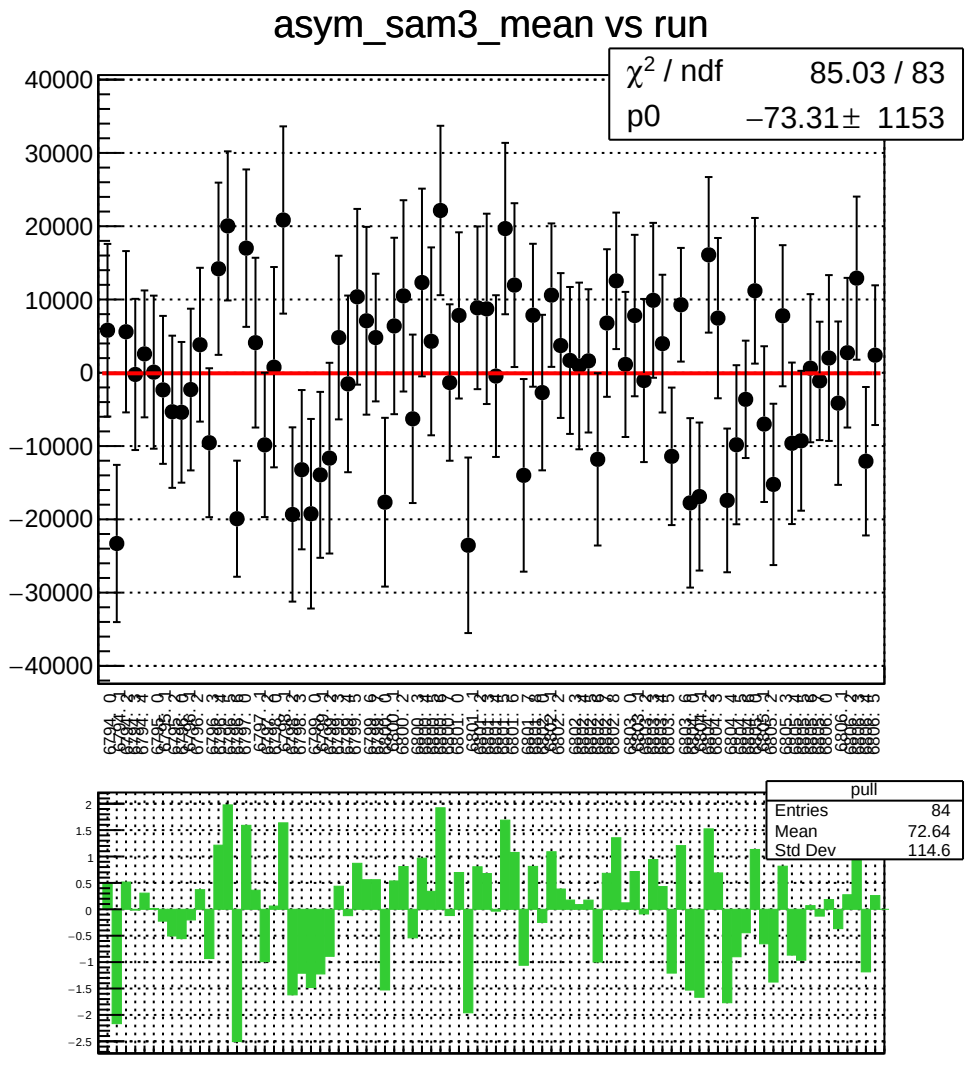

pull1D
Entries 84
Mean 0.006917
Std Dev 0.9515

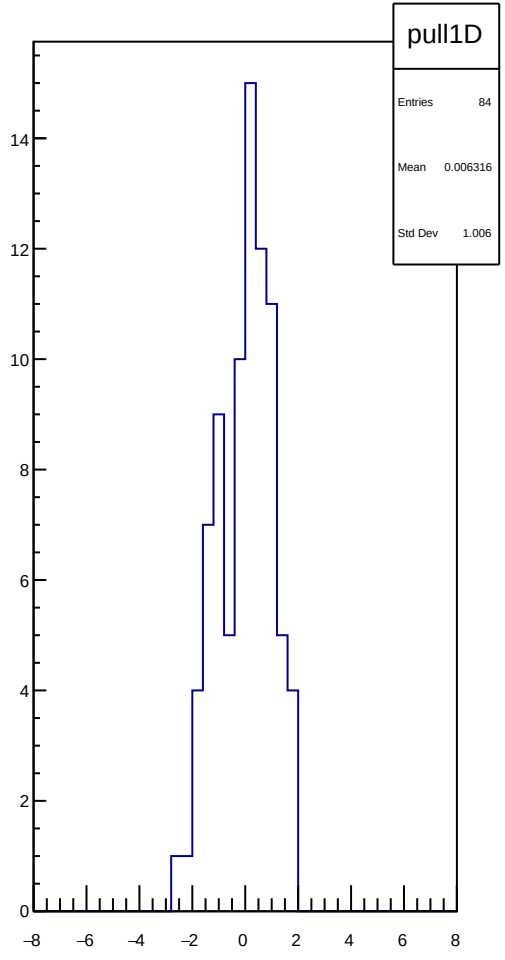

dit_asym_sam3_rms vs run
χ² / ndf 3.178e+04 / 83
p0 109.5 ± 0.08678
350
300
250
200
150
100

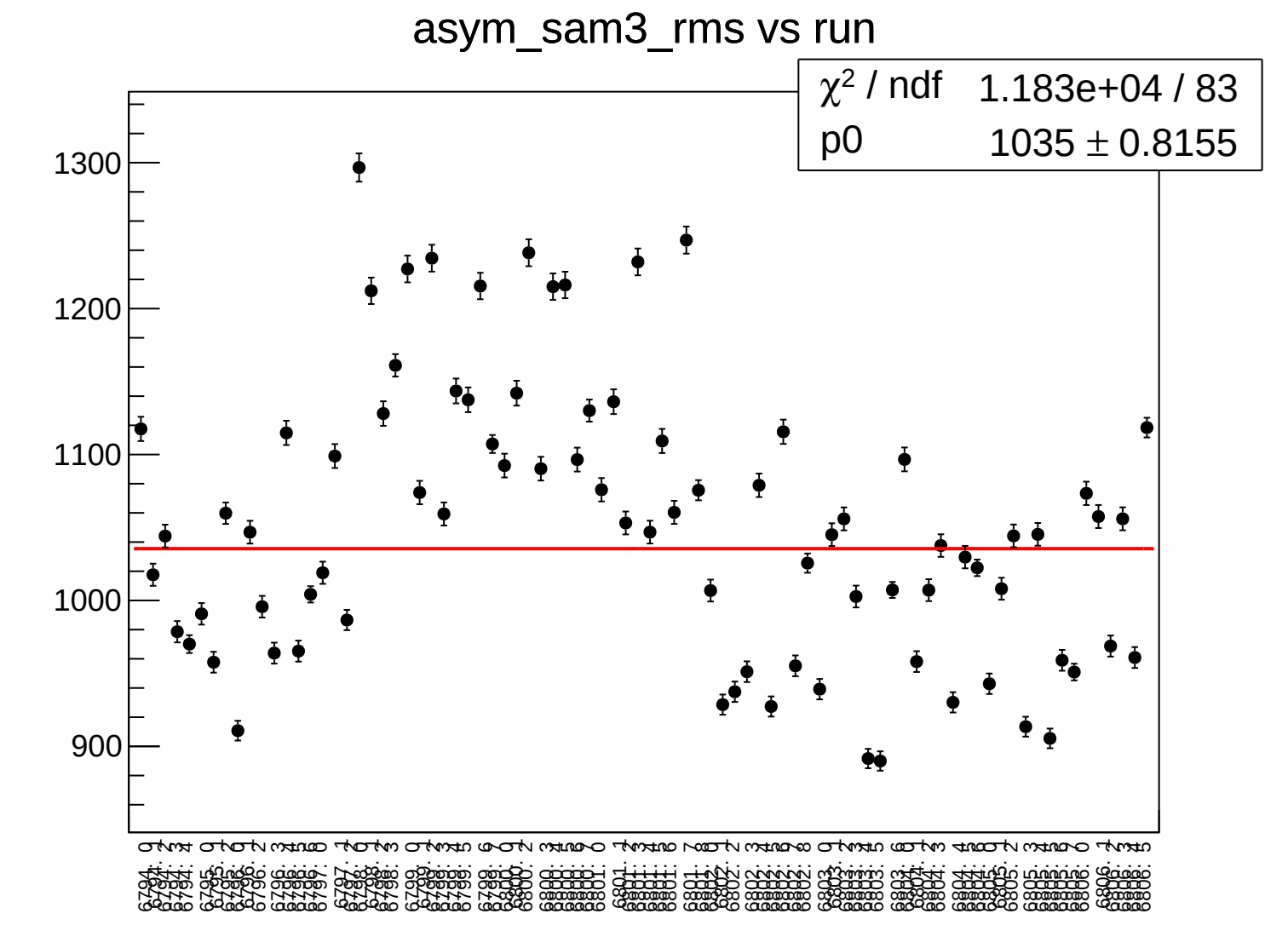

asym_sam3_correction_mean vs run
χ² / ndf 83.39 / 83
p0 −210.9 ± 1155
pull
Entries 84
Mean 634.1
Std Dev 642.4

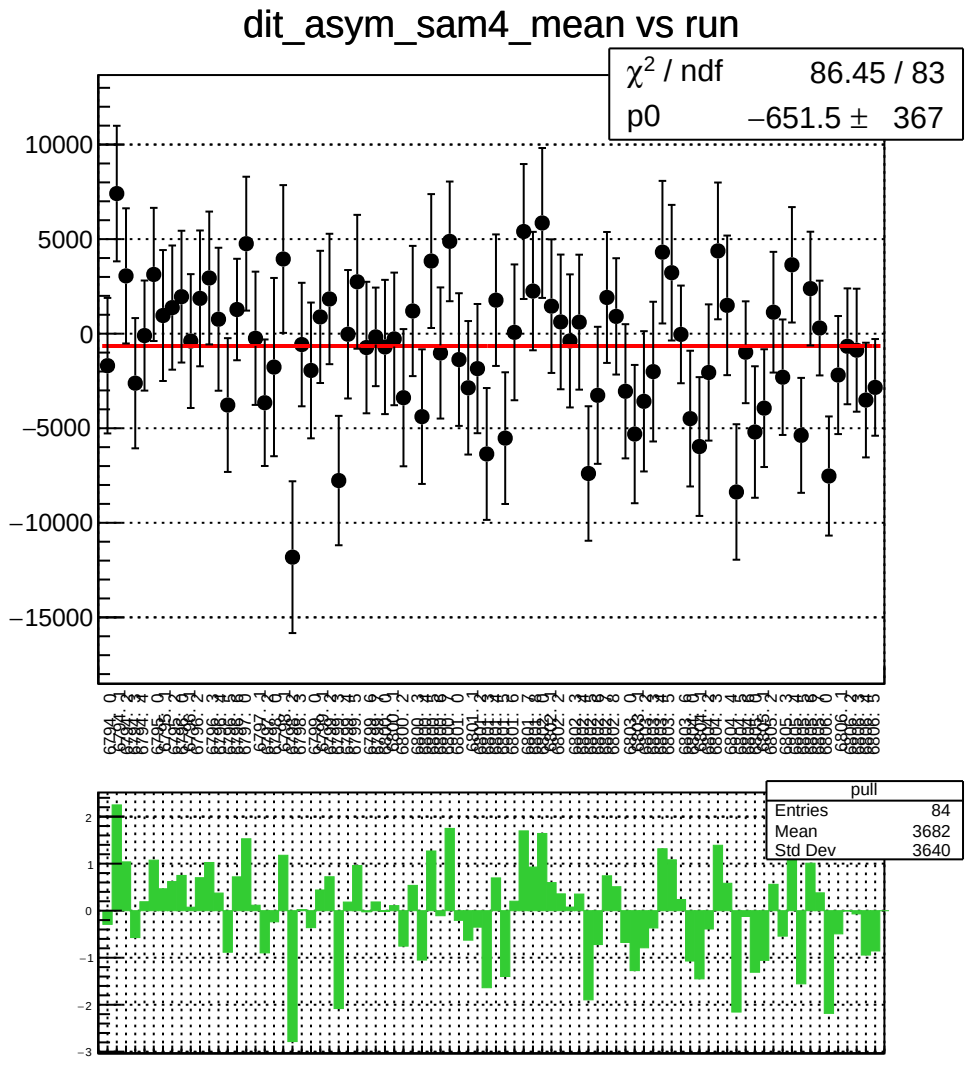

pull1D
Entries 84
Mean −0.001161
Std Dev 0.9964

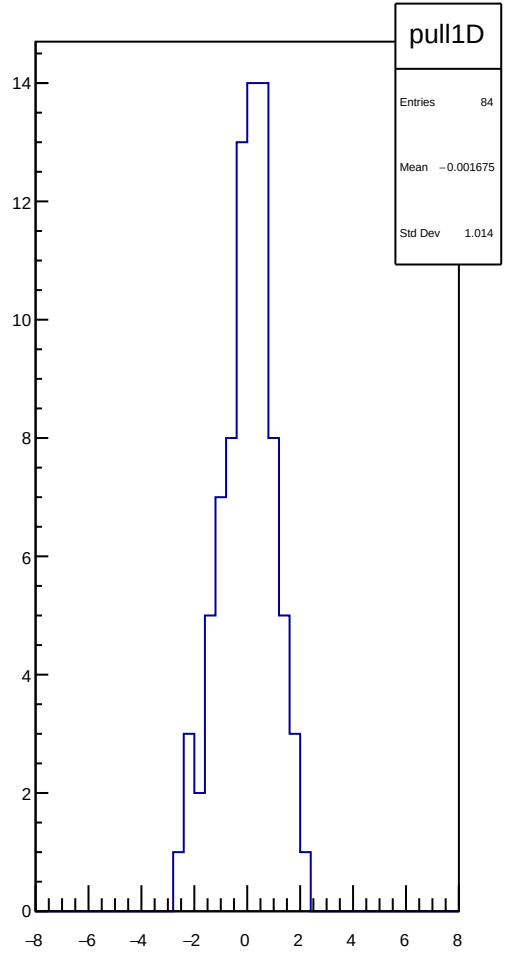

asym_sam3_correction_rms vs run
χ² / ndf 7981 / 83
p0 1038 ± 0.8164
1250
1200
1150
1100
1050
1000
950
900

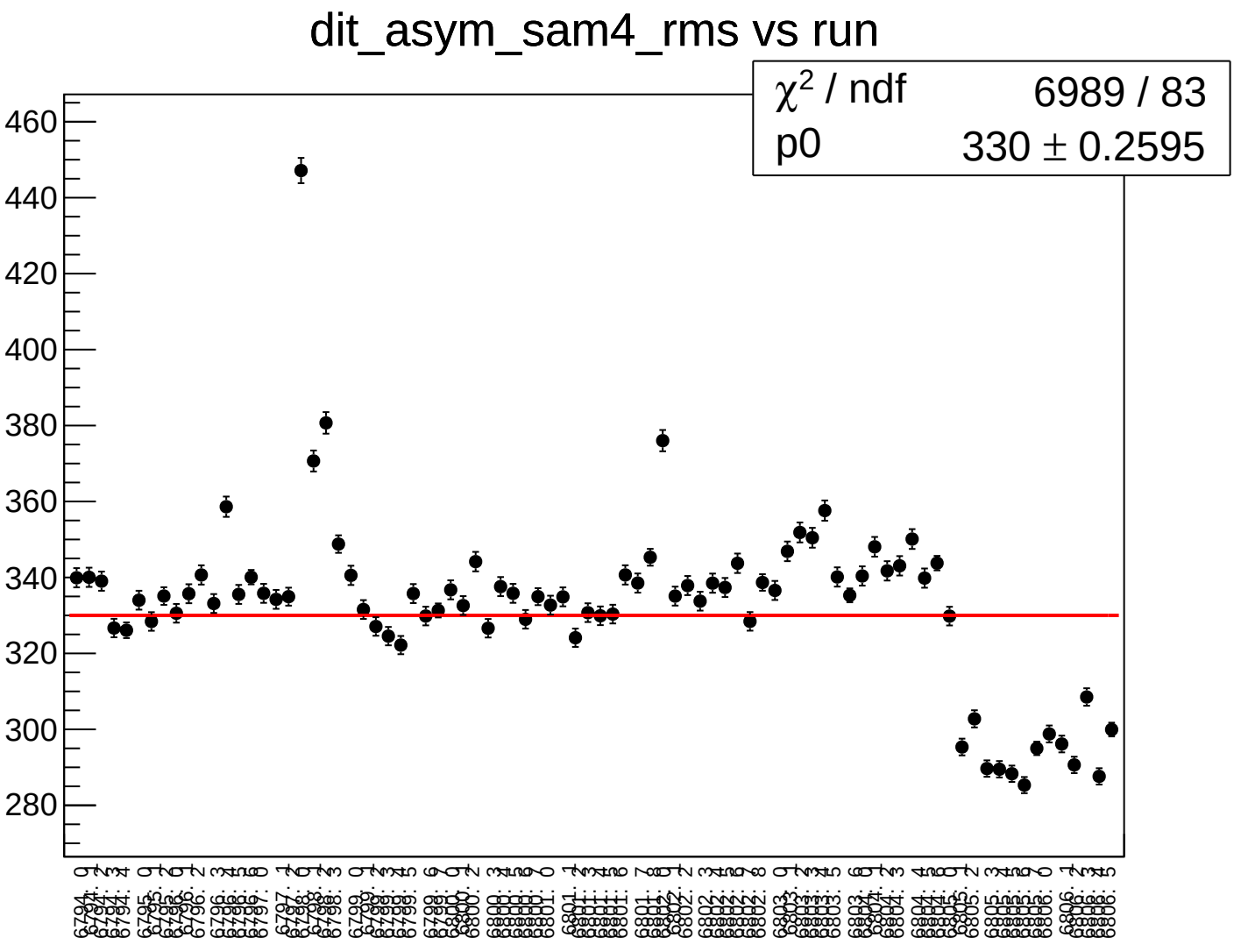

asym_sam3_mean vs run
χ² / ndf 85.03 / 83
p0 −73.31± 1153
pull
Entries 84
Mean 72.64
Std Dev 114.6

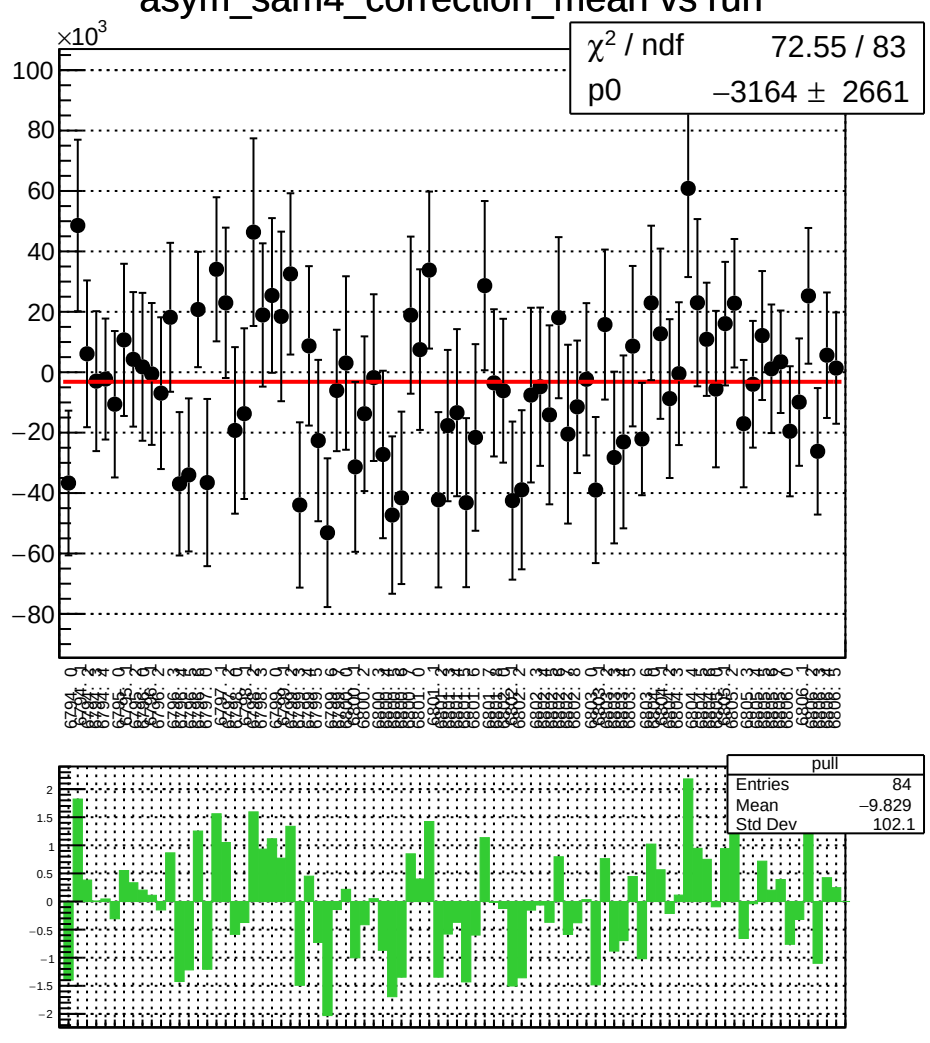

pull1D
Entries 84
Mean 0.006316
Std Dev 1.006

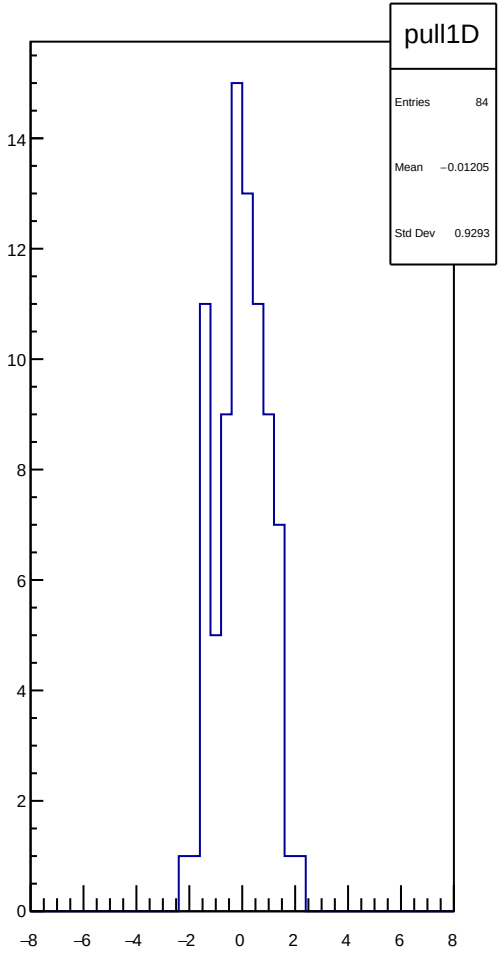

asym_sam3_rms vs run
χ^2 / ndf 1.183e+04 / 83
p0 1035 ± 0.8155
1300
1200
1100
1000
900

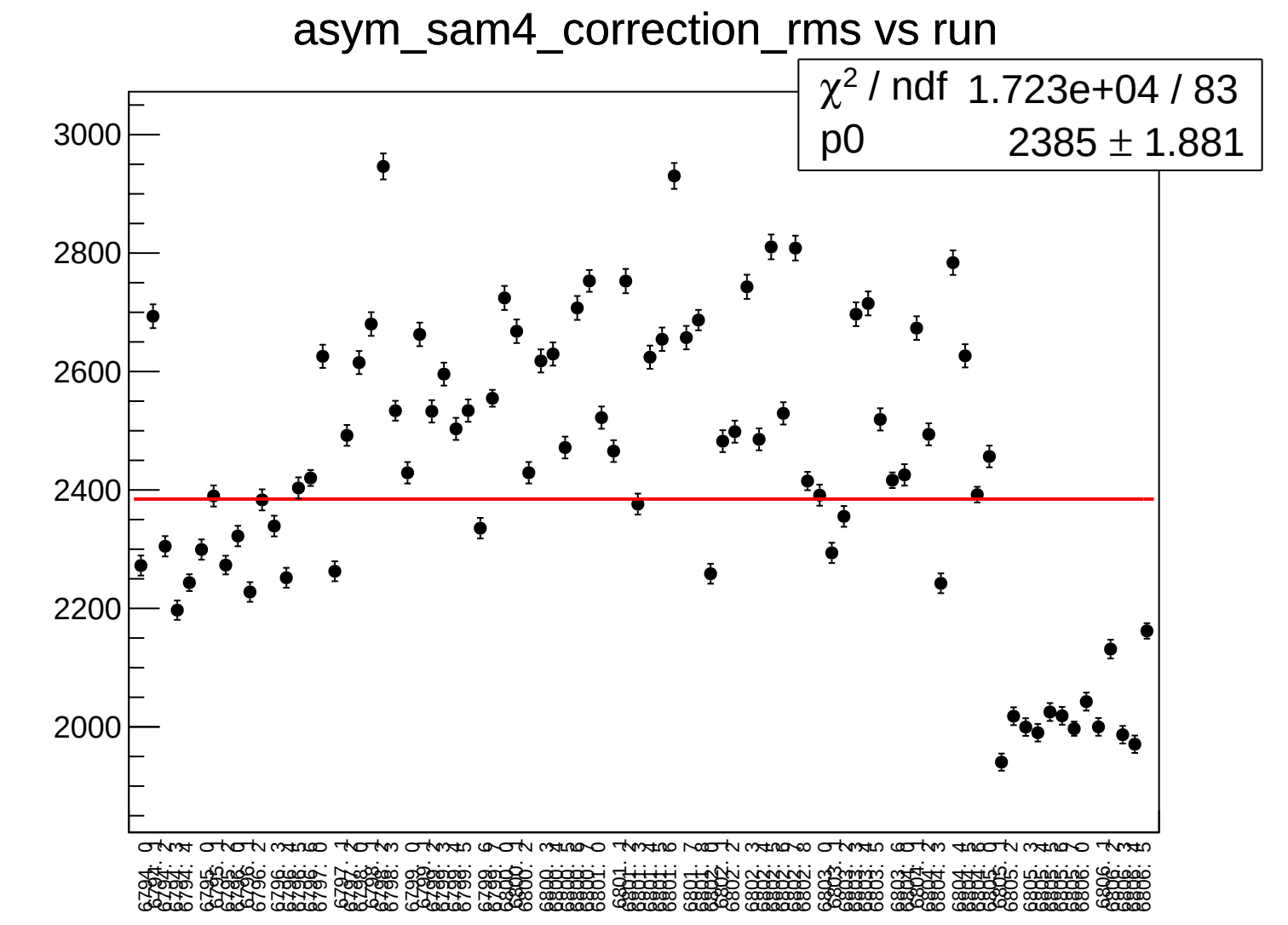

dit_asym_sam4_mean vs run
χ² / ndf 86.45 / 83
p0 −651.5 ± 367
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean 3682
Std Dev 3640
2
1
0
−1
−2
−3

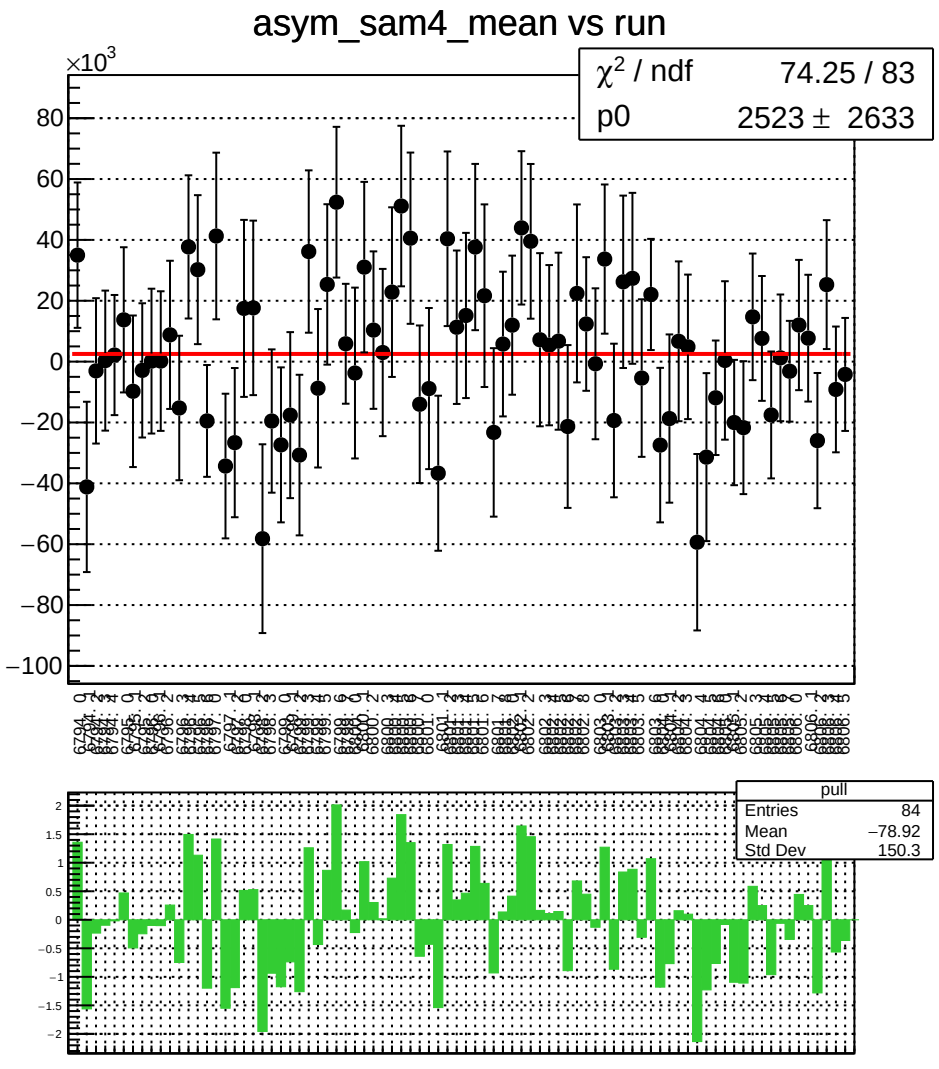

pull1D
Entries 84
Mean −0.001675
Std Dev 1.014
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

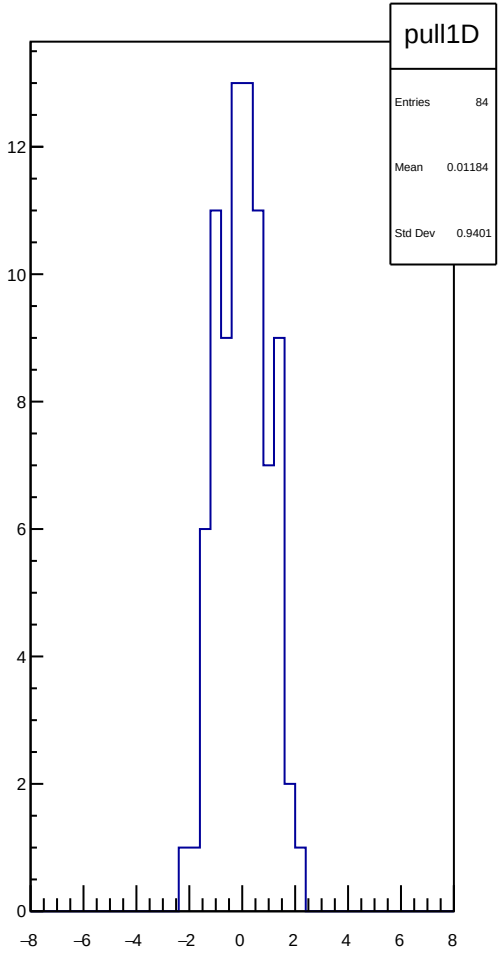

dit_asym_sam4_rms vs run
χ^2 / ndf 6989 / 83
p0 330 ± 0.2595
460
440
420
400
380
360
340
320
300
280

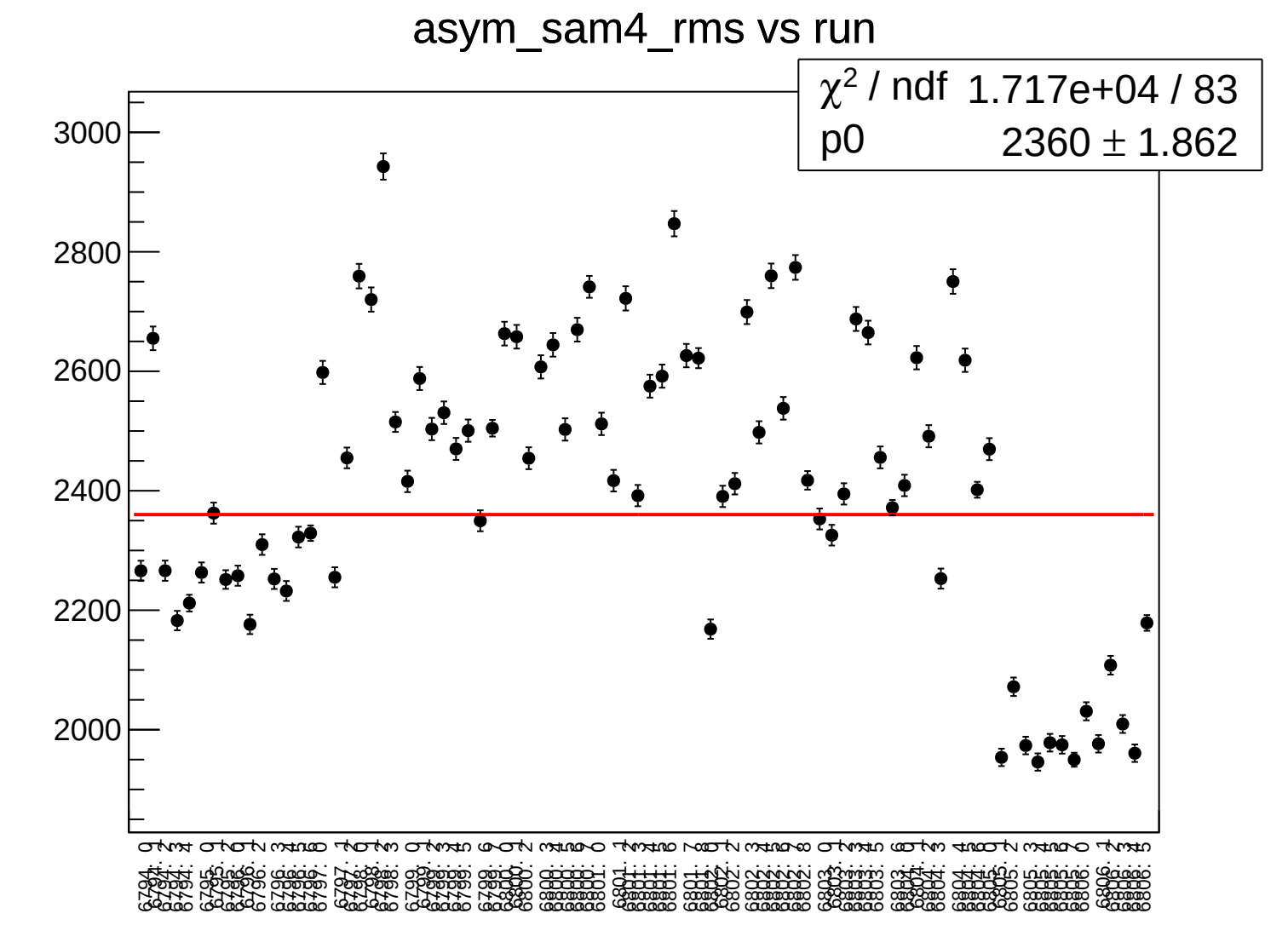

asym_sam4_correction_mean vs run
×10^3
χ^2 / ndf 72.55 / 83
p0 −3164 ± 2661
pull
Entries 84
Mean −9.829
Std Dev 102.1

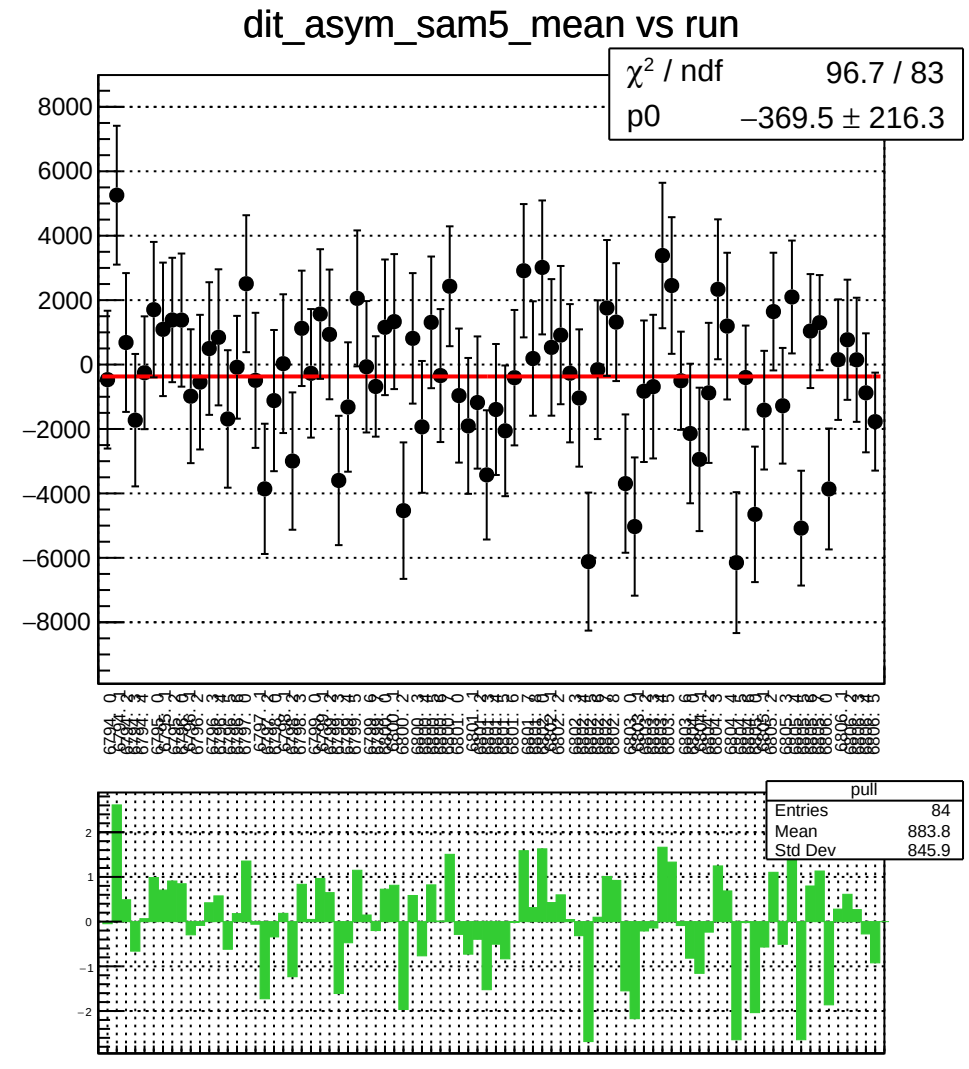

pull1D
Entries 84
Mean −0.01205
Std Dev 0.9293

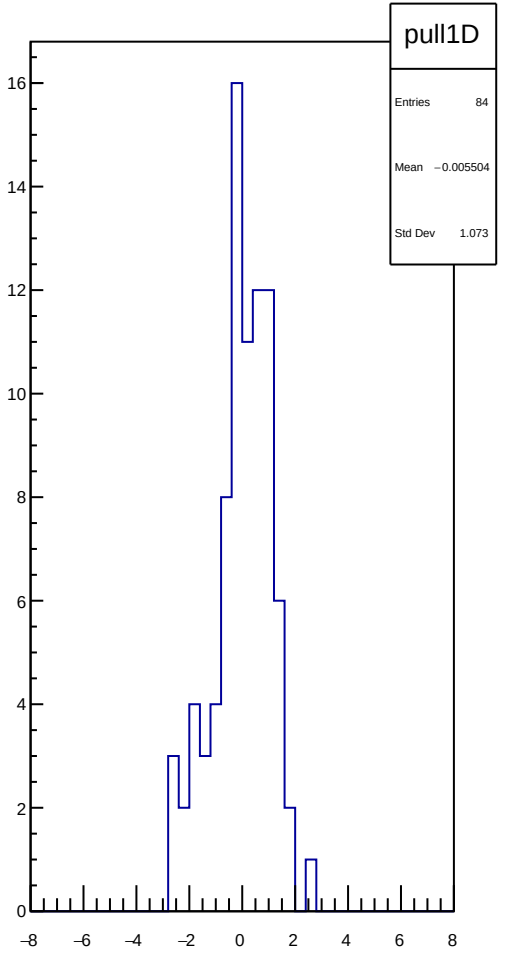

asym_sam4_correction_rms vs run
χ² / ndf 1.723e+04 / 83
p0 2385 ± 1.881
3000
2800
2600
2400
2200
2000

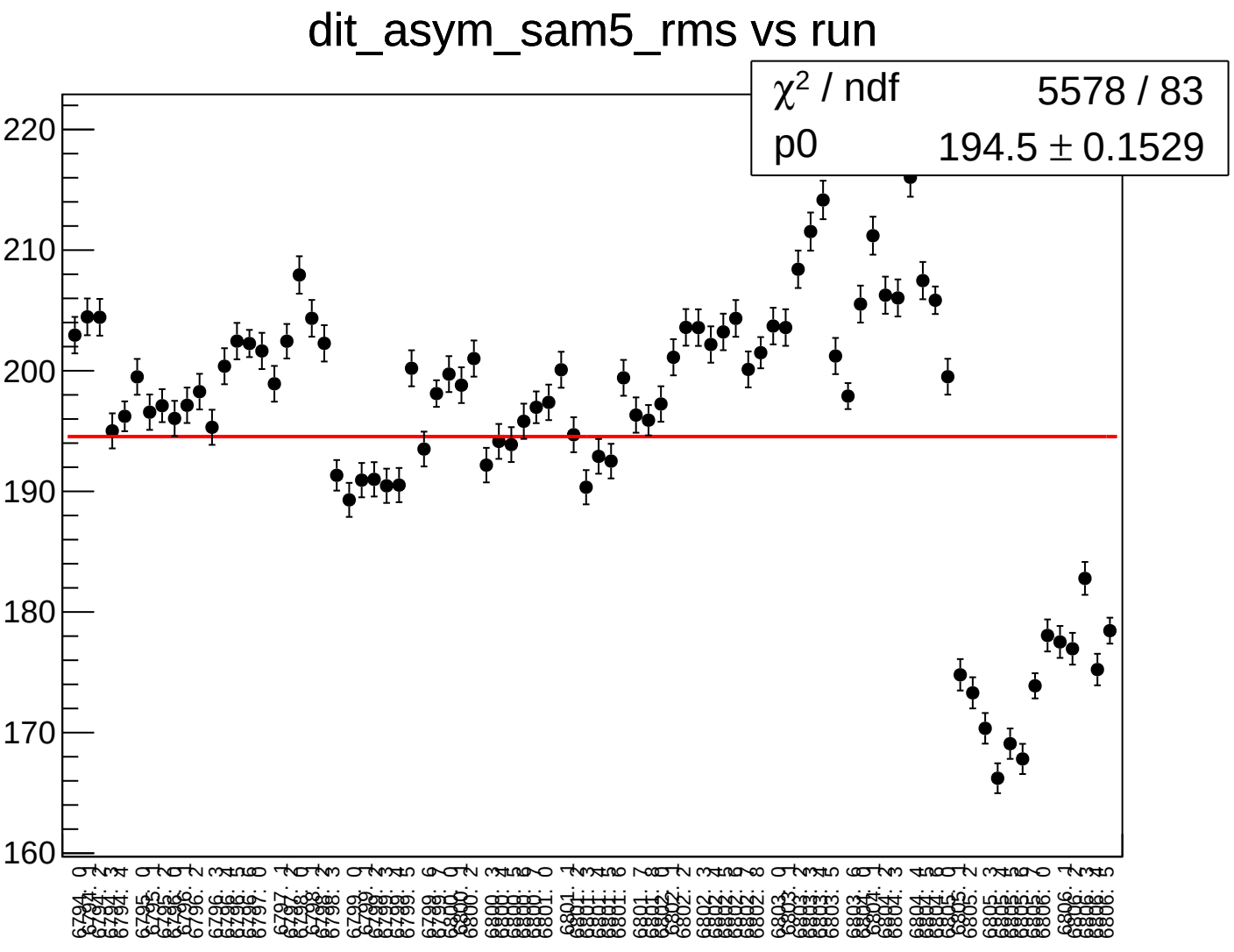

asym_sam4_mean vs run
×10^3
χ^2 / ndf 74.25 / 83
p0 2523 ± 2633
pull
Entries 84
Mean −78.92
Std Dev 150.3

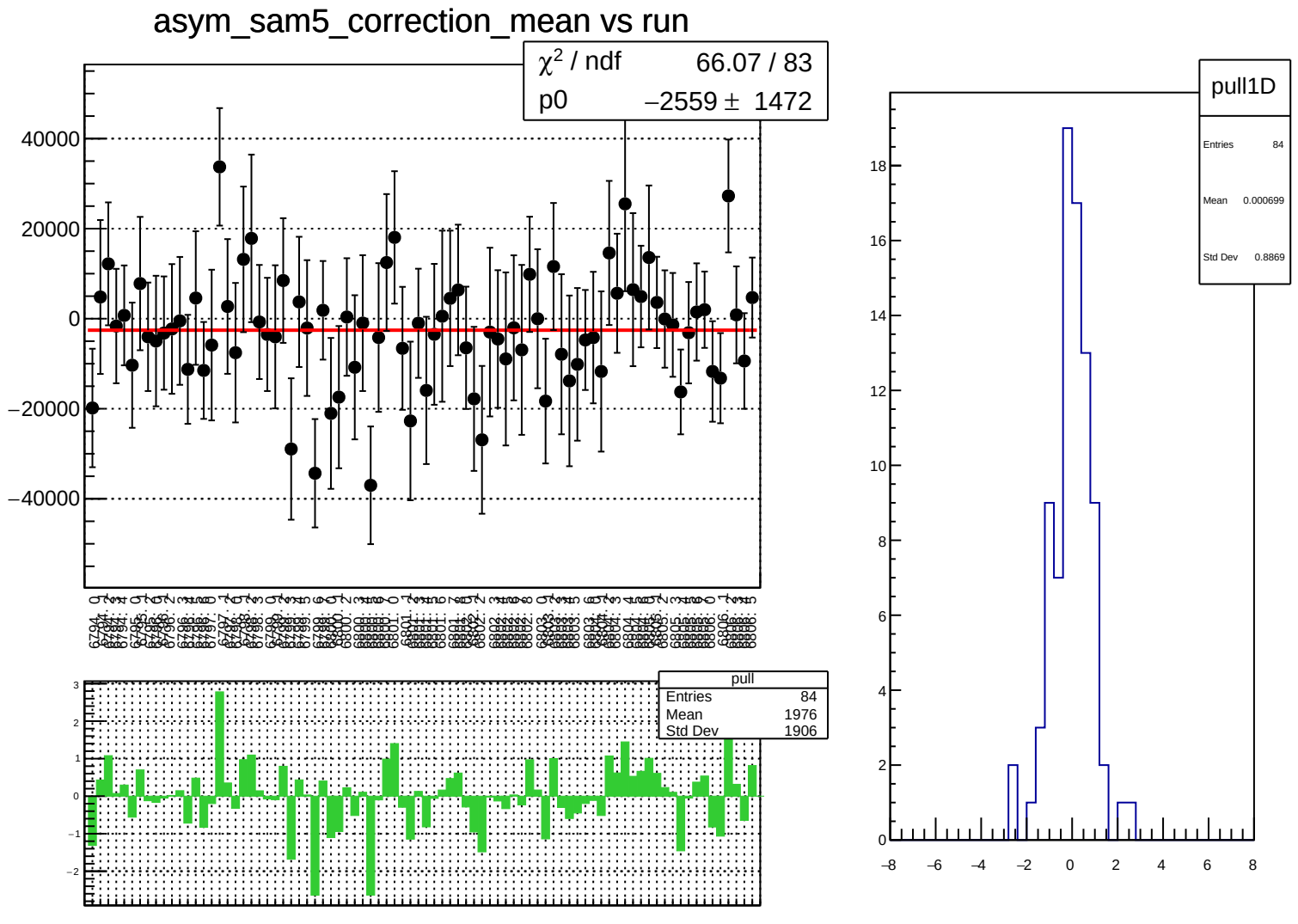

pull1D
Entries 84
Mean 0.01184
Std Dev 0.9401

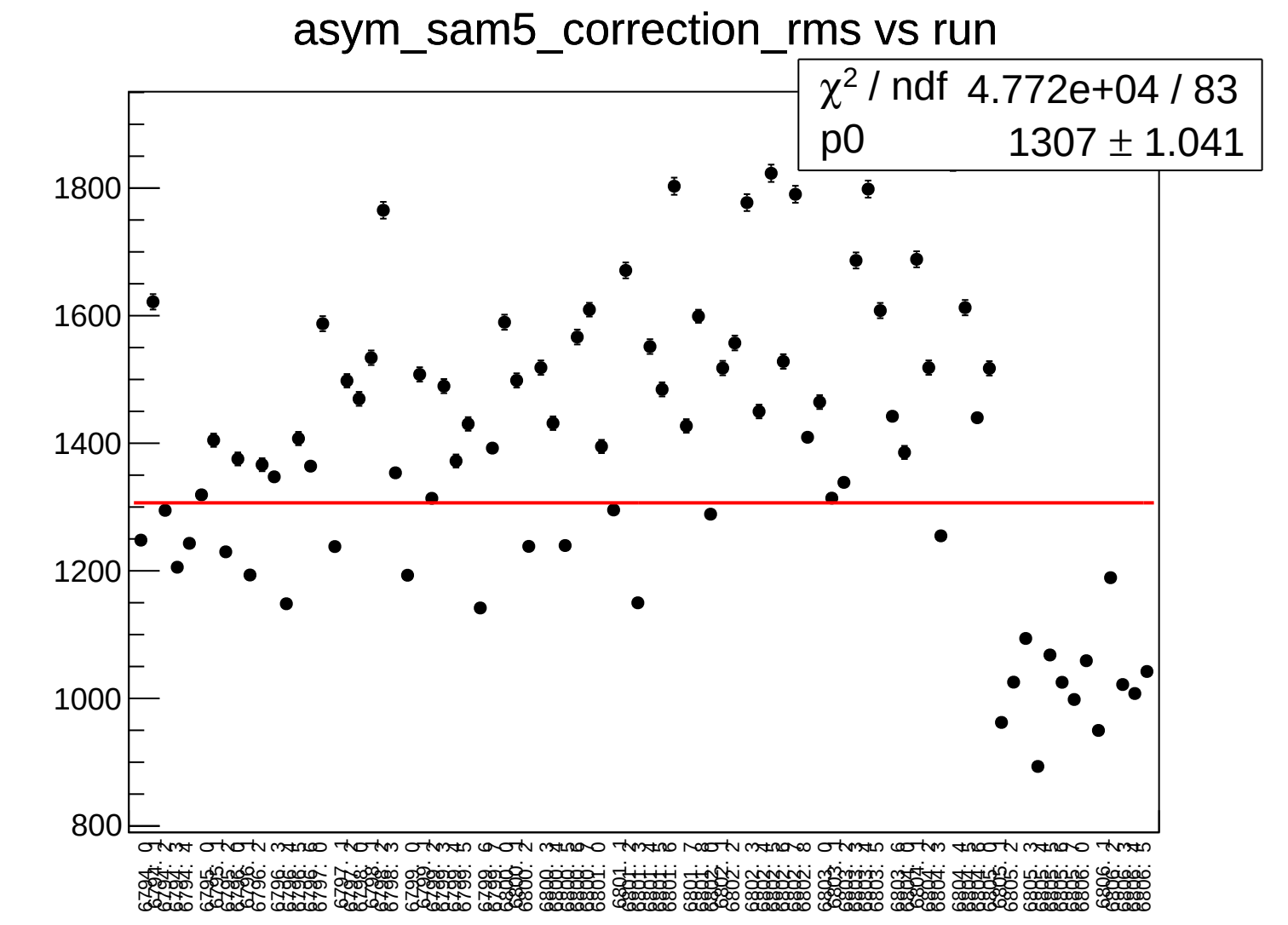

asym_sam4_rms vs run
χ² / ndf 1.717e+04 / 83
p0 2360 ± 1.862
3000
2800
2600
2400
2200
2000

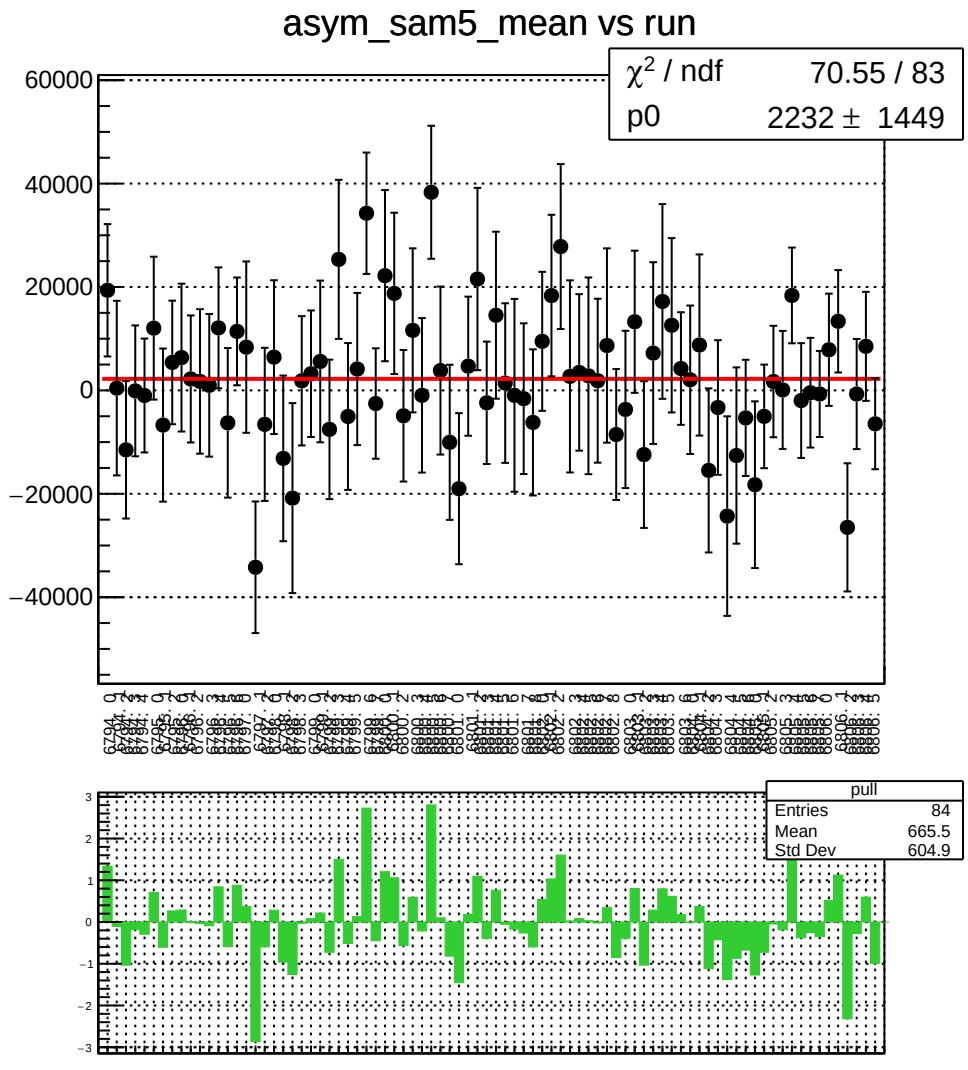

dit_asym_sam5_mean vs run
χ² / ndf 96.7 / 83
p0 −369.5 ± 216.3
pull
Entries 84
Mean 883.8
Std Dev 845.9

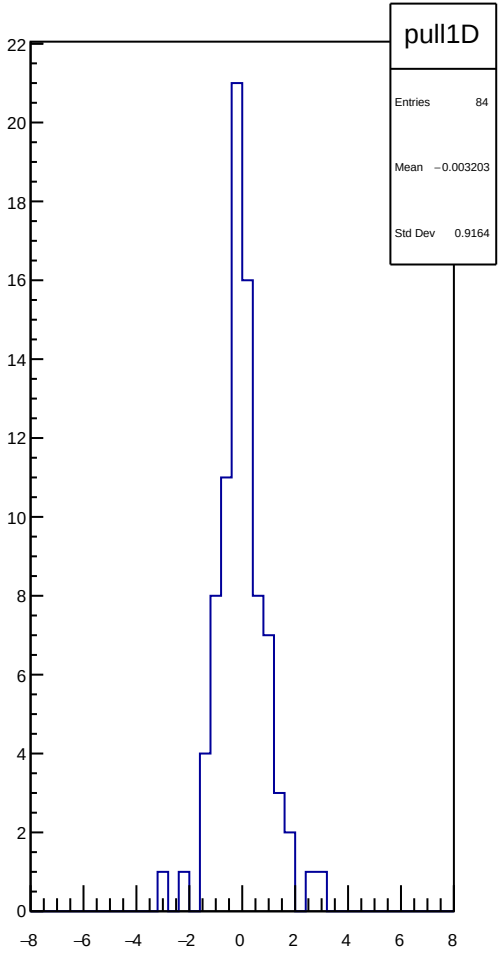

pull1D
Entries 84
Mean −0.005504
Std Dev 1.073

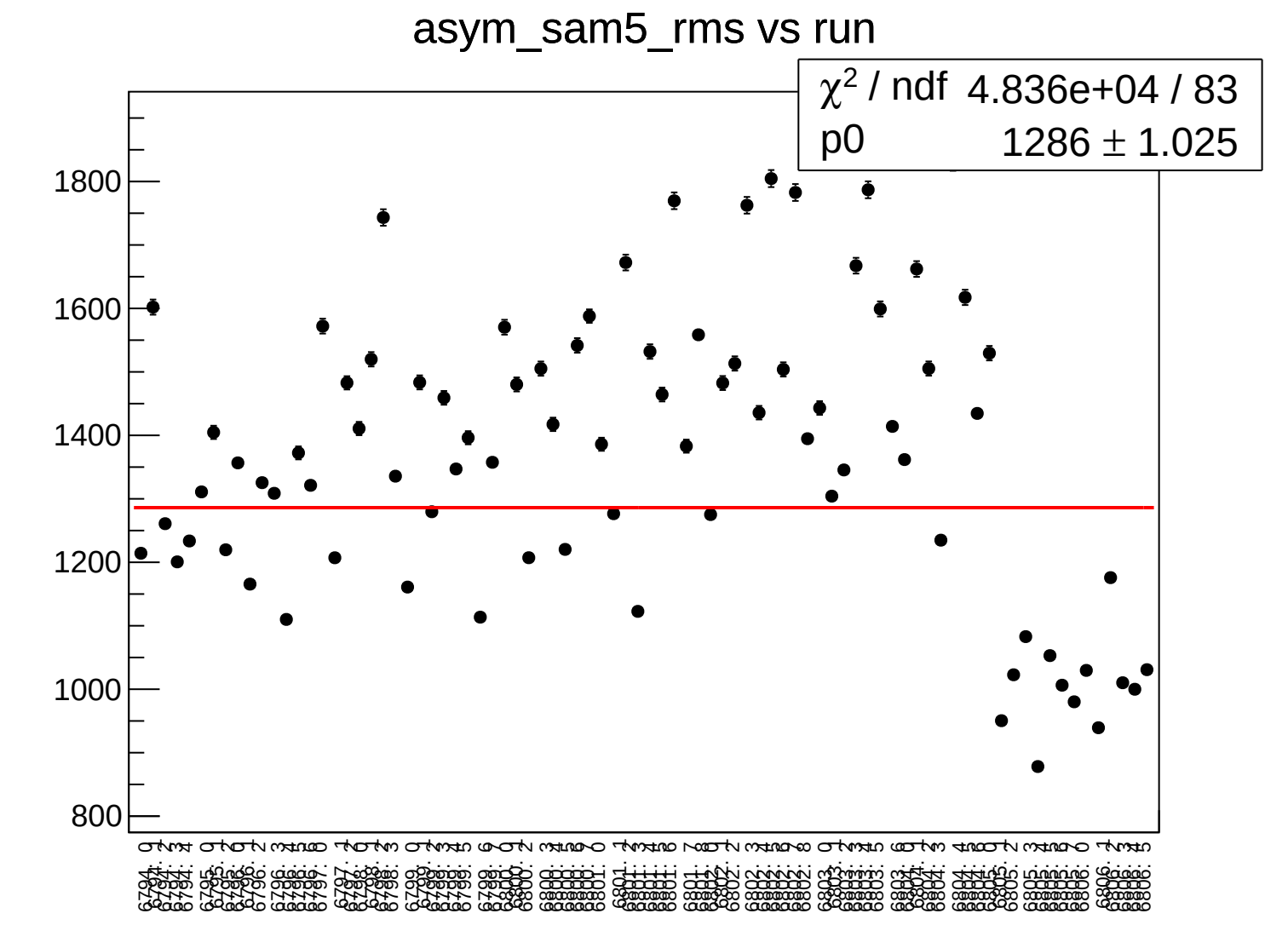

dit_asym_sam5_rms vs run
χ² / ndf 5578 / 83
p0 194.5 ± 0.1529
220
210
200
190
180
170
160

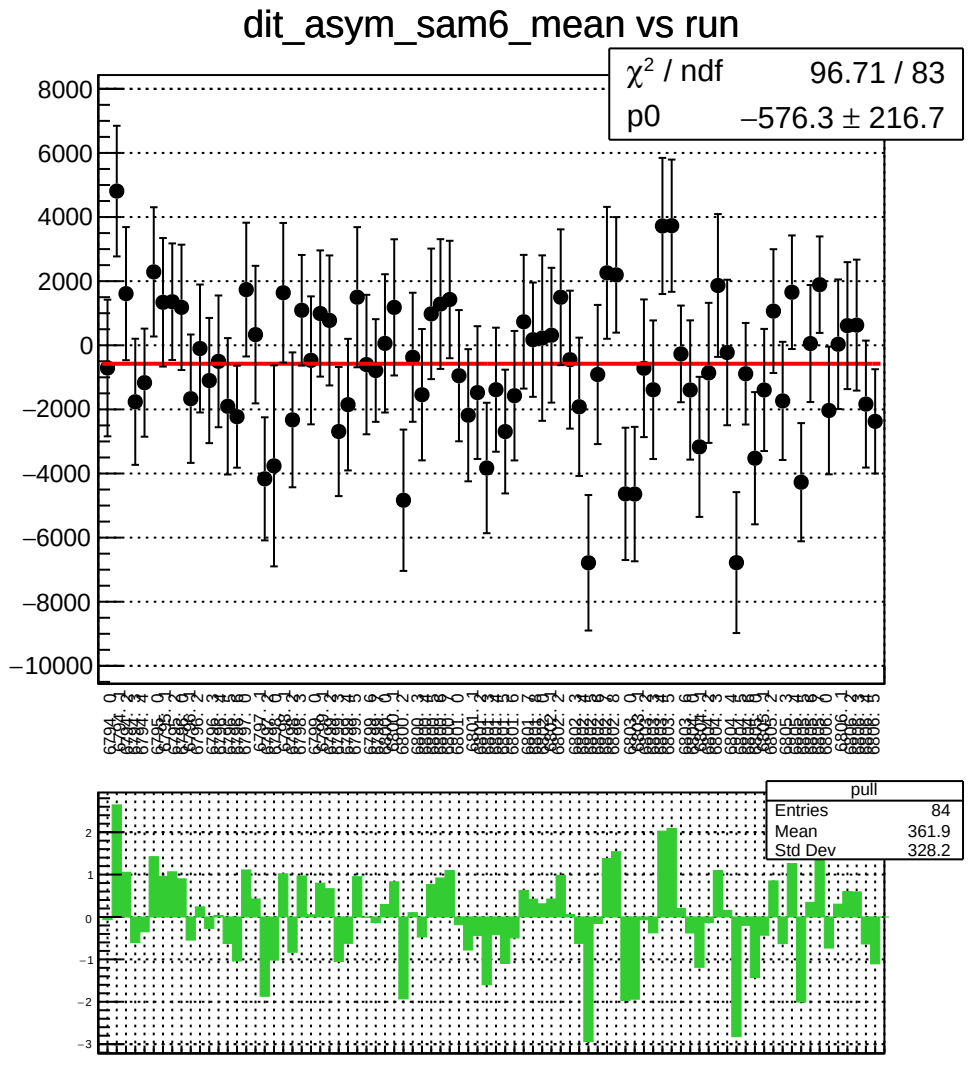

asym_sam5_correction_mean vs run
χ² / ndf 66.07 / 83
p0 −2559 ± 1472
40000
20000
0
−20000
−40000
pull
Entries 84
Mean 1976
Std Dev 1906
pull1D
Entries 84
Mean 0.000699
Std Dev 0.8869

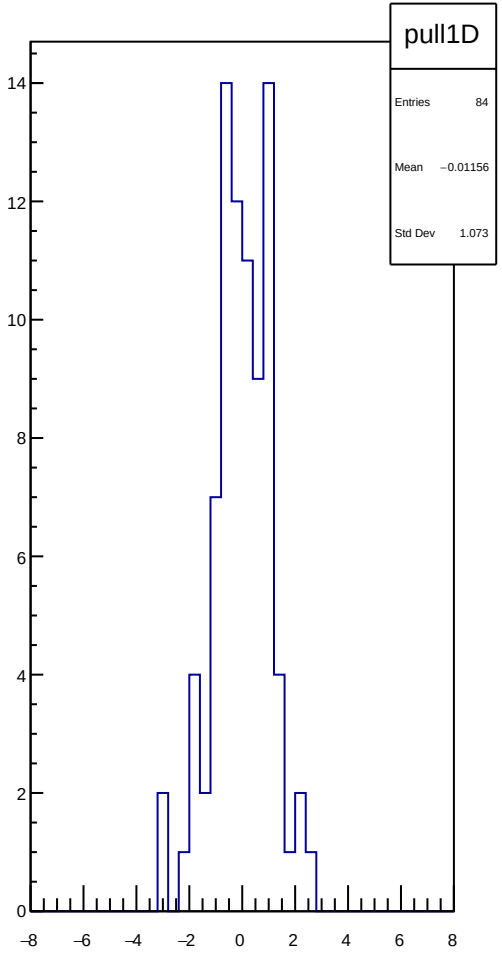

asym_sam5_correction_rms vs run
χ² / ndf 4.772e+04 / 83
p0 1307 ± 1.041
1800
1600
1400
1200
1000
800

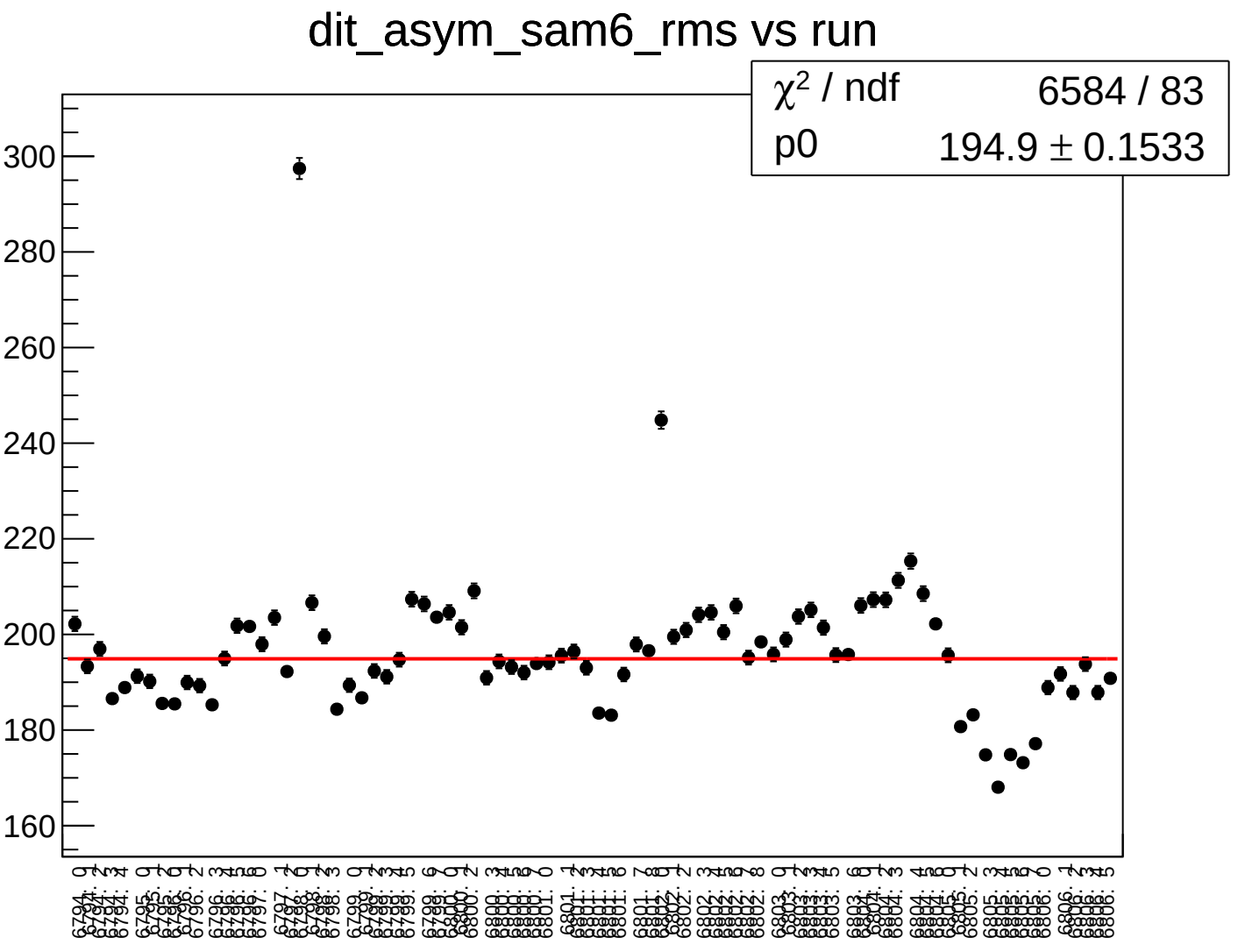

asym_sam5_mean vs run
χ² / ndf 70.55 / 83
p0 2232 ± 1449
pull
Entries 84
Mean 665.5
Std Dev 604.9

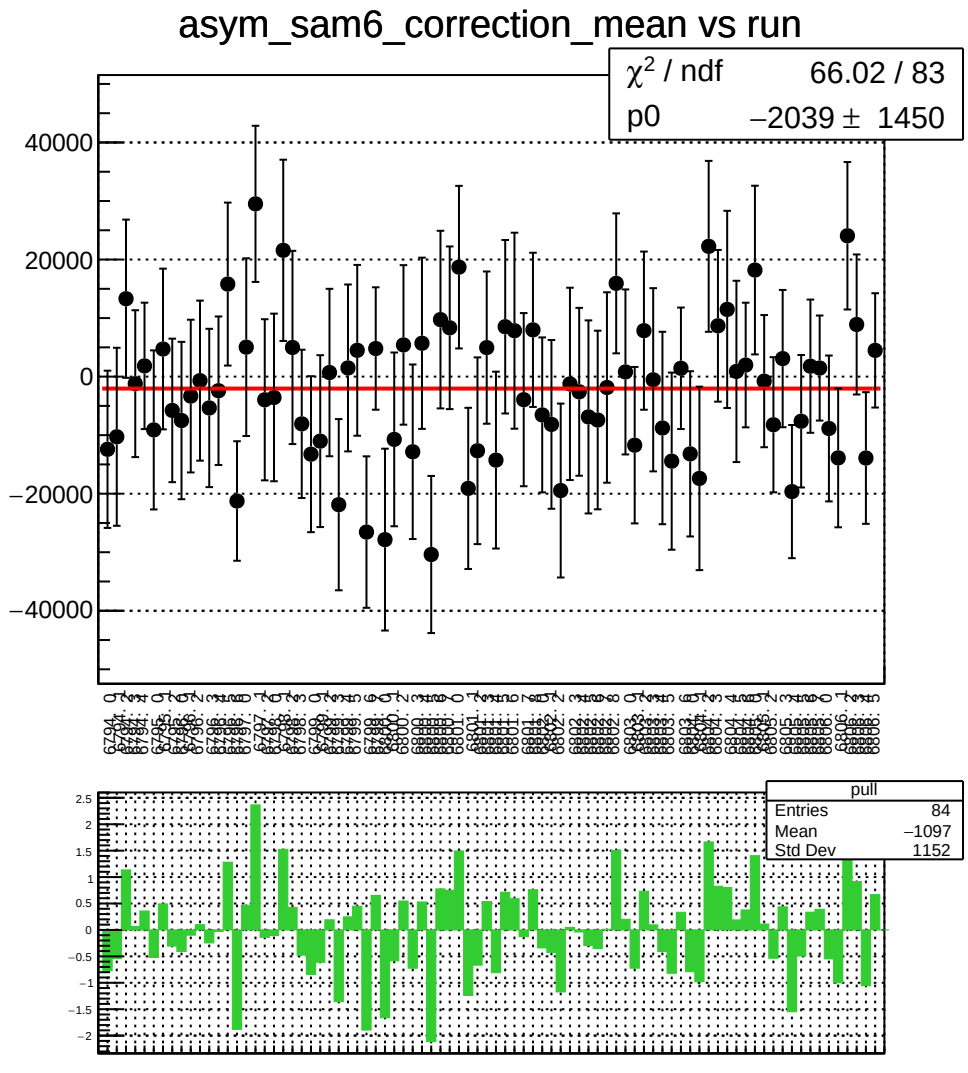

pull1D
Entries 84
Mean −0.003203
Std Dev 0.9164

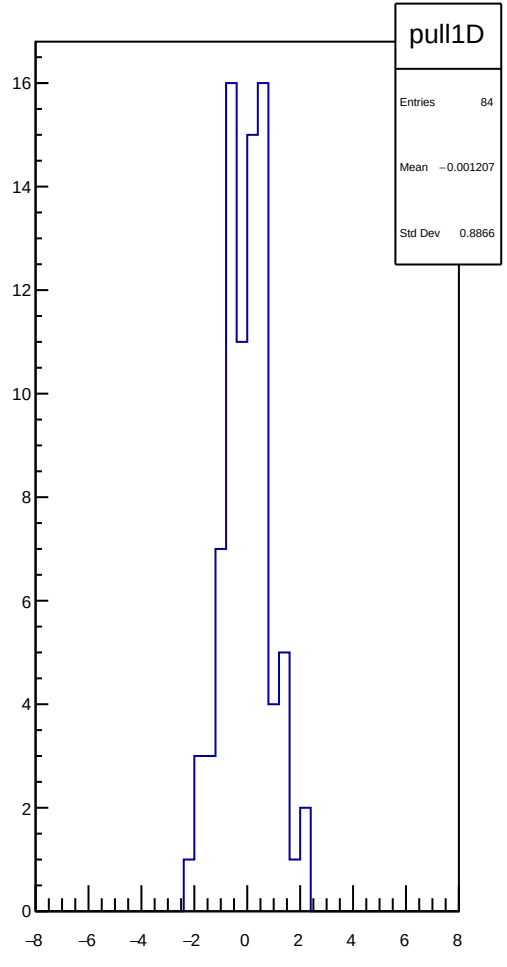

asym_sam5_rms vs run
χ² / ndf 4.836e+04 / 83
p0 1286 ± 1.025
1800
1600
1400
1200
1000
800

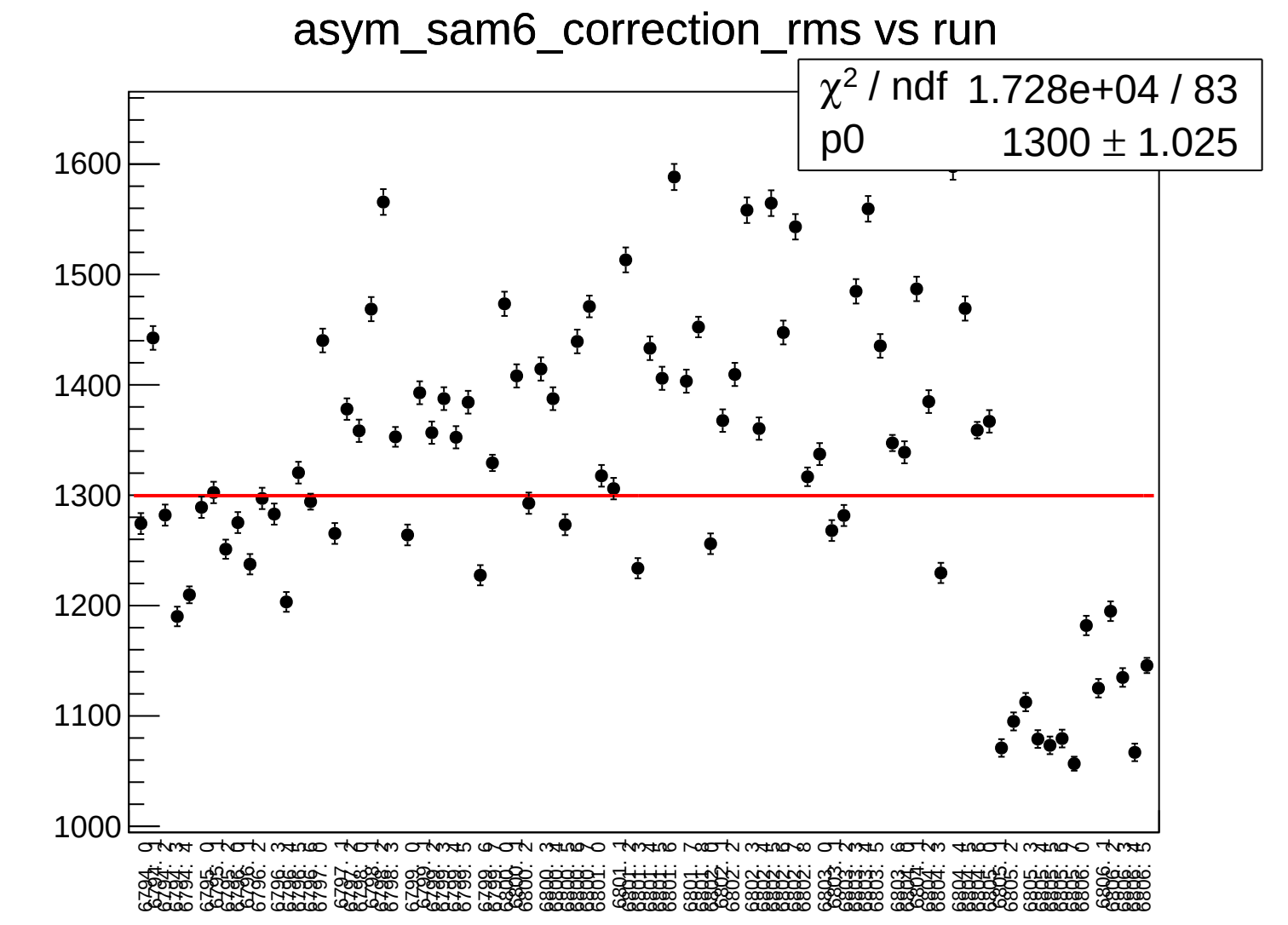

dit_asym_sam6_mean vs run
χ² / ndf 96.71 / 83
p0 −576.3 ± 216.7
pull
Entries 84
Mean 361.9
Std Dev 328.2

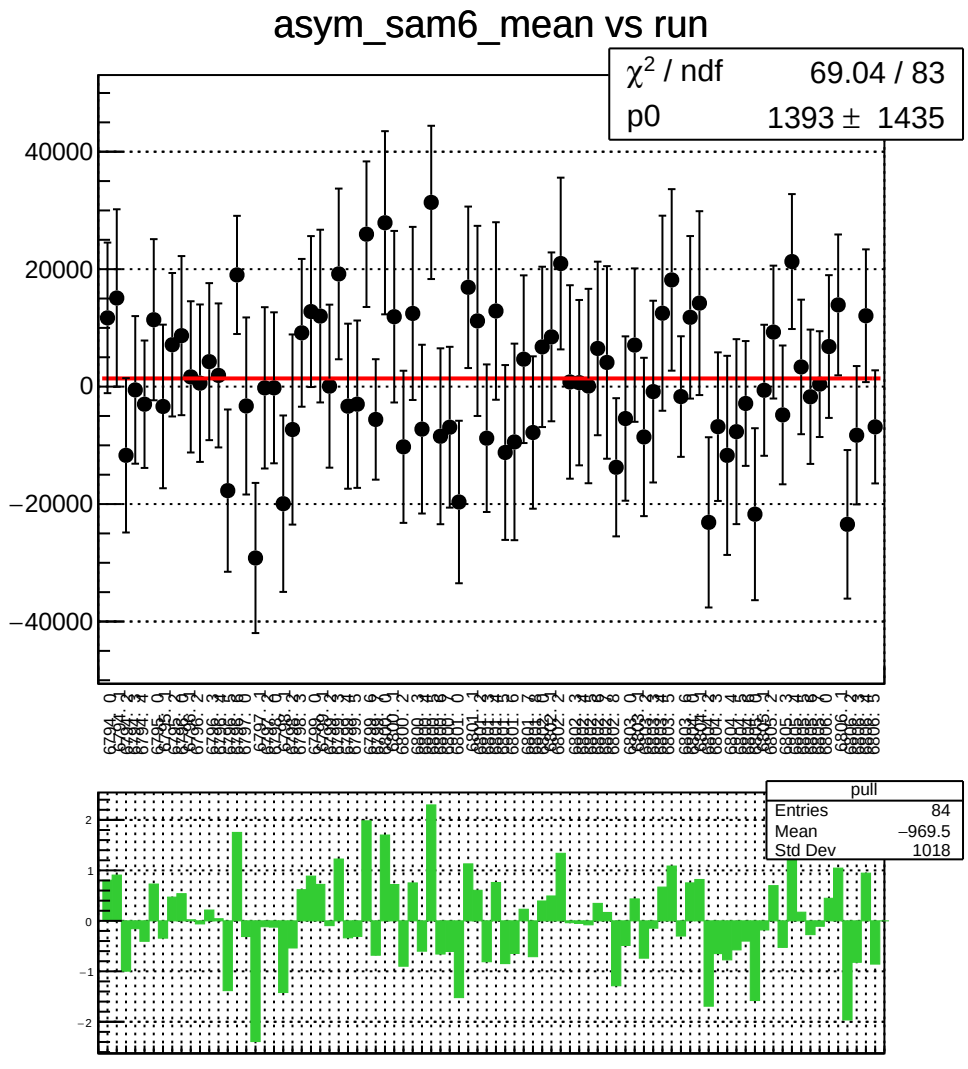

pull1D
Entries 84
Mean −0.01156
Std Dev 1.073

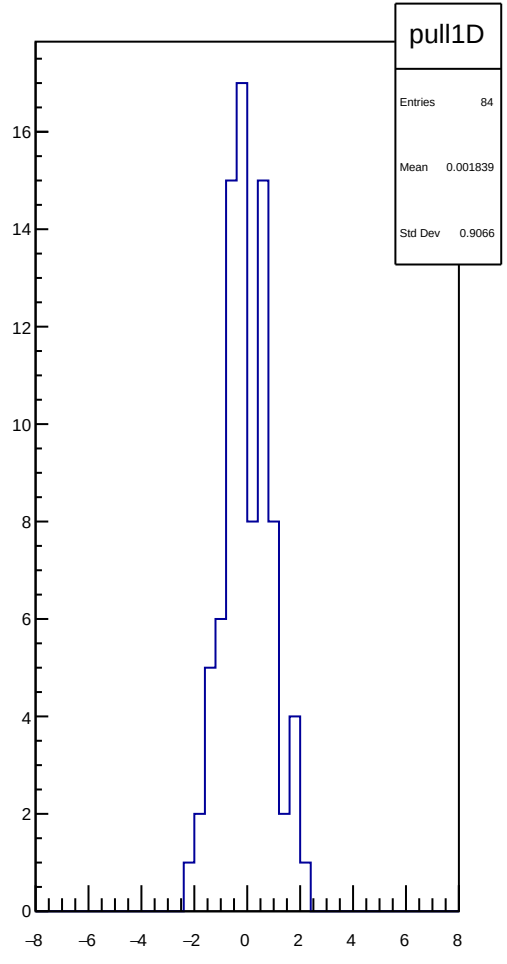

dit_asym_sam6_rms vs run
χ^2 / ndf 6584 / 83
p0 194.9 ± 0.1533
300
280
260
240
220
200
180
160

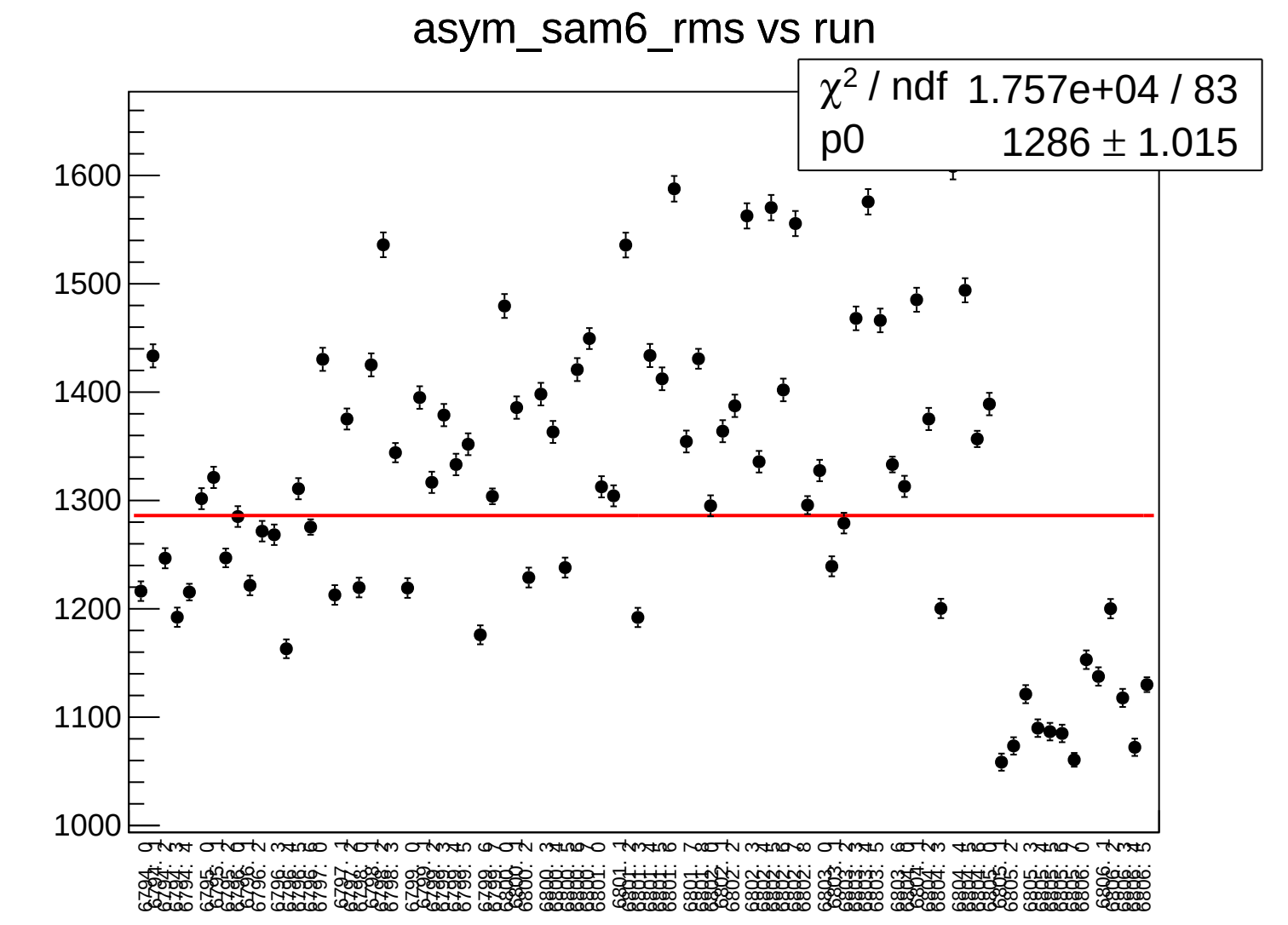

asym_sam6_correction_mean vs run
χ² / ndf 66.02 / 83
p0 −2039 ± 1450
40000
20000
0
−20000
−40000
pull
Entries 84
Mean −1097
Std Dev 1152
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

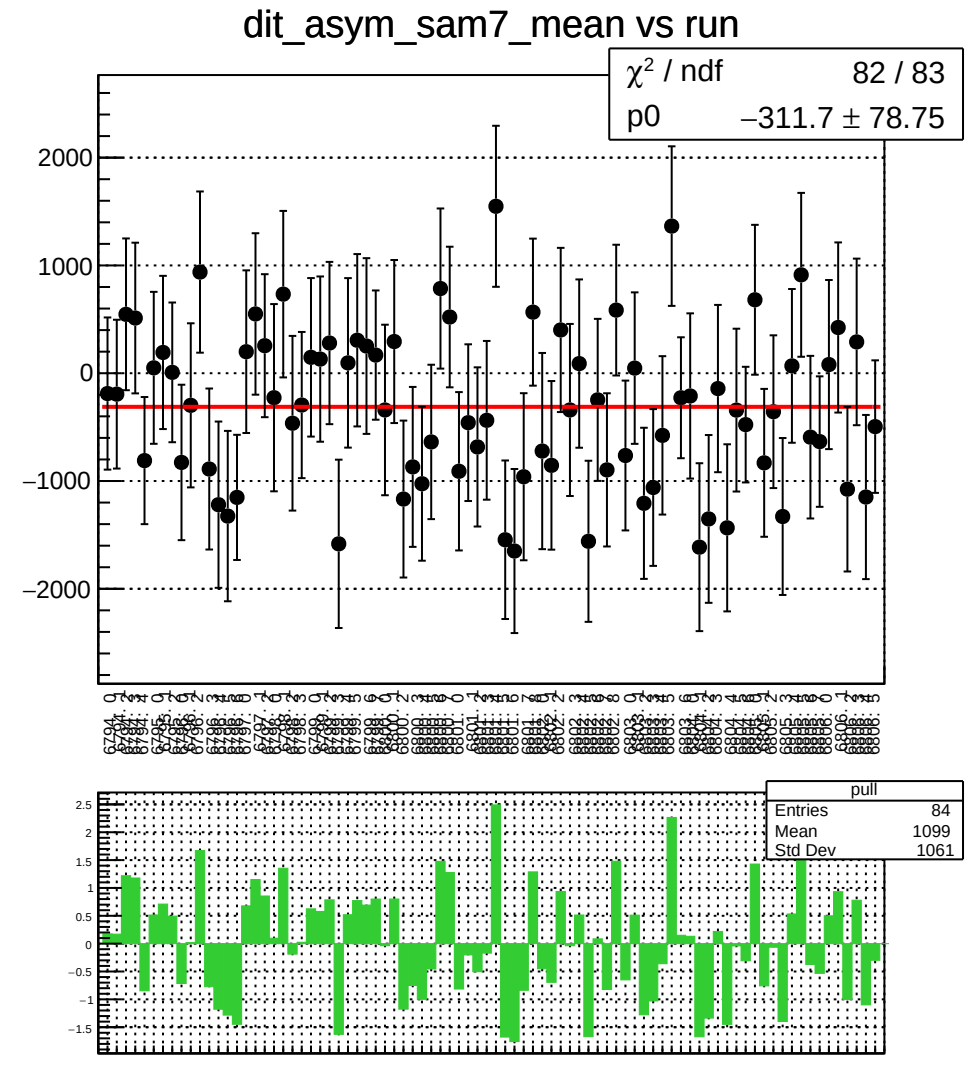

pull1D
Entries 84
Mean −0.001207
Std Dev 0.8866
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

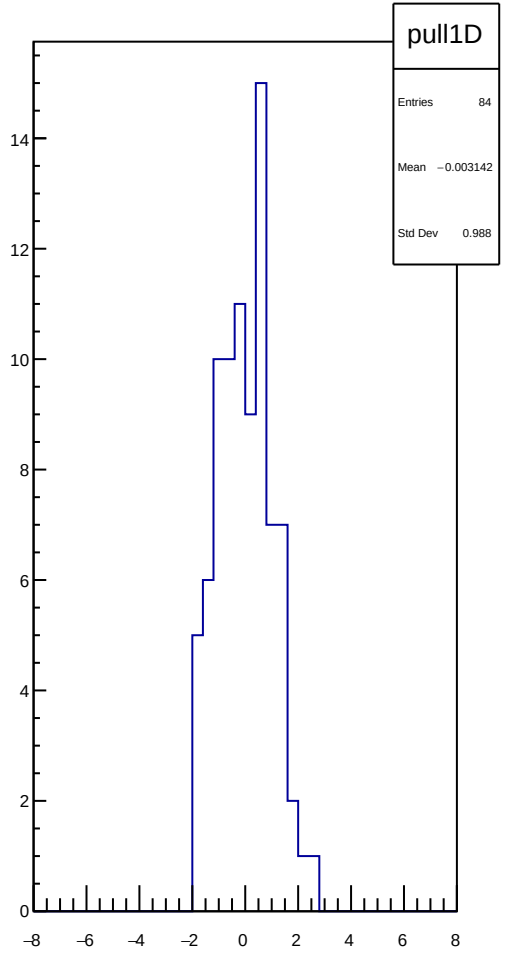

asym_sam6_correction_rms vs run
χ² / ndf 1.728e+04 / 83
p0 1300 ± 1.025
1600
1500
1400
1300
1200
1100
1000

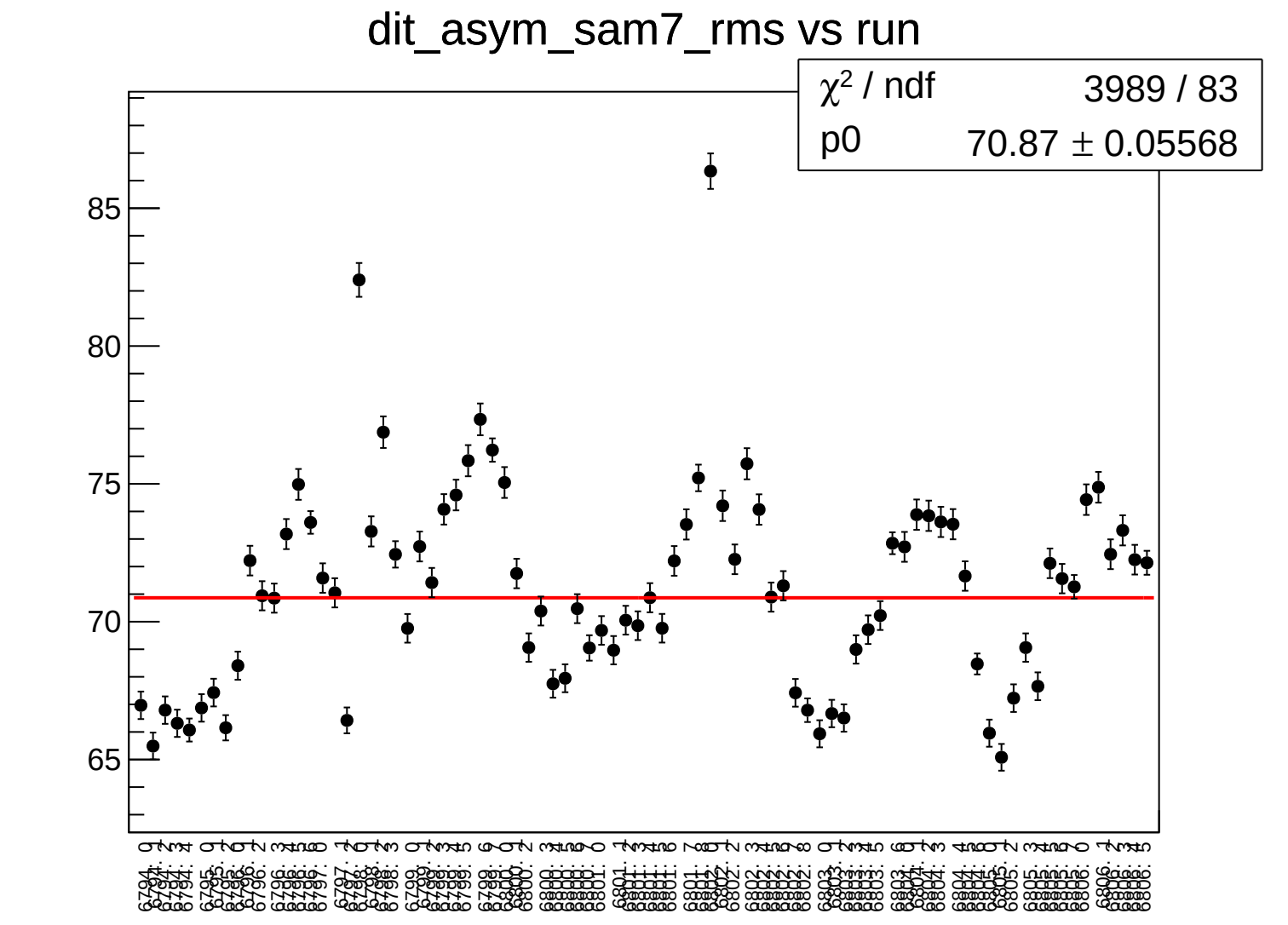

asym_sam6_mean vs run
χ² / ndf 69.04 / 83
p0 1393 ± 1435
40000
20000
0
−20000
−40000
pull
Entries 84
Mean −969.5
Std Dev 1018
2
1
0
−1
−2

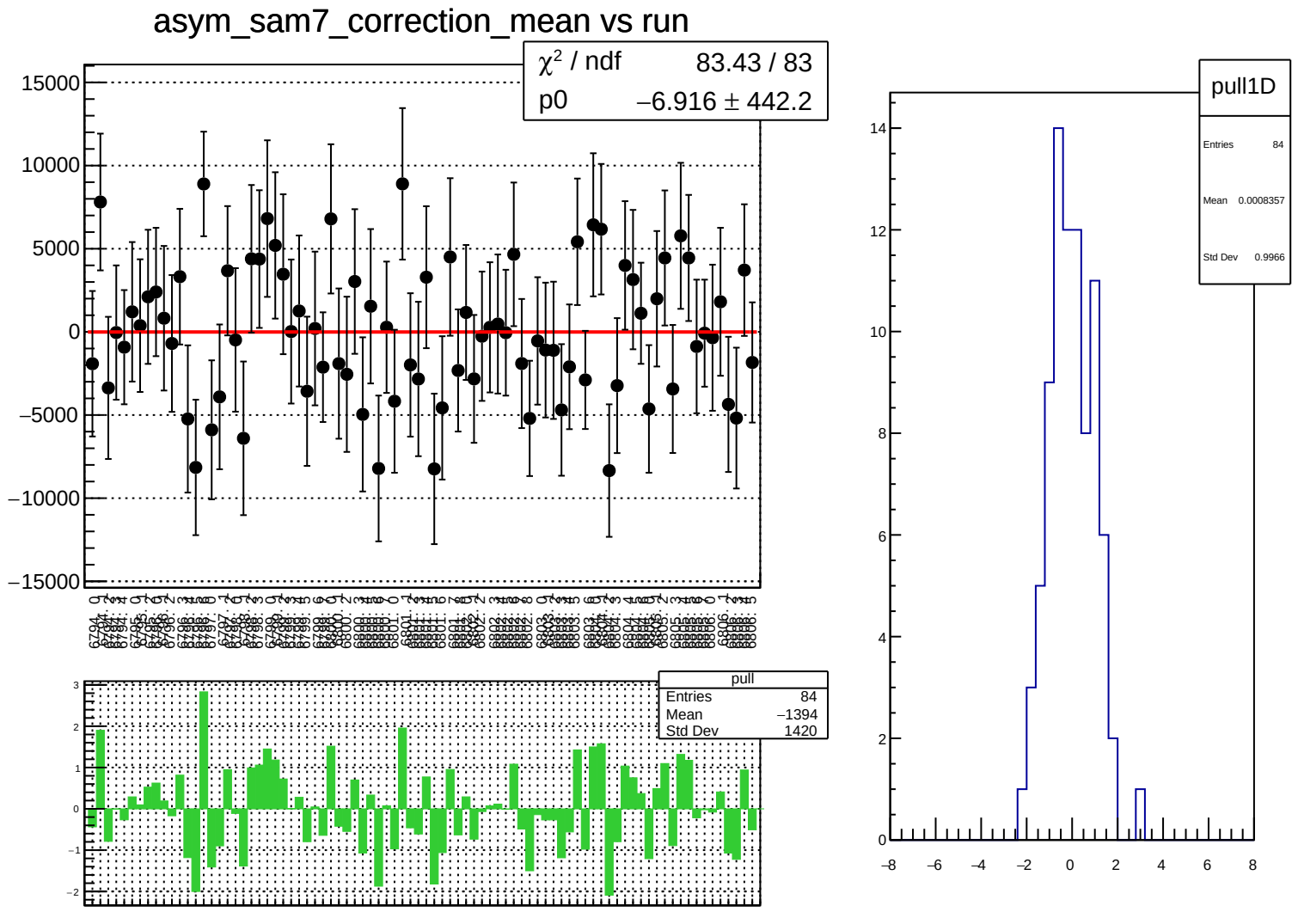

pull1D
Entries 84
Mean 0.001839
Std Dev 0.9066
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

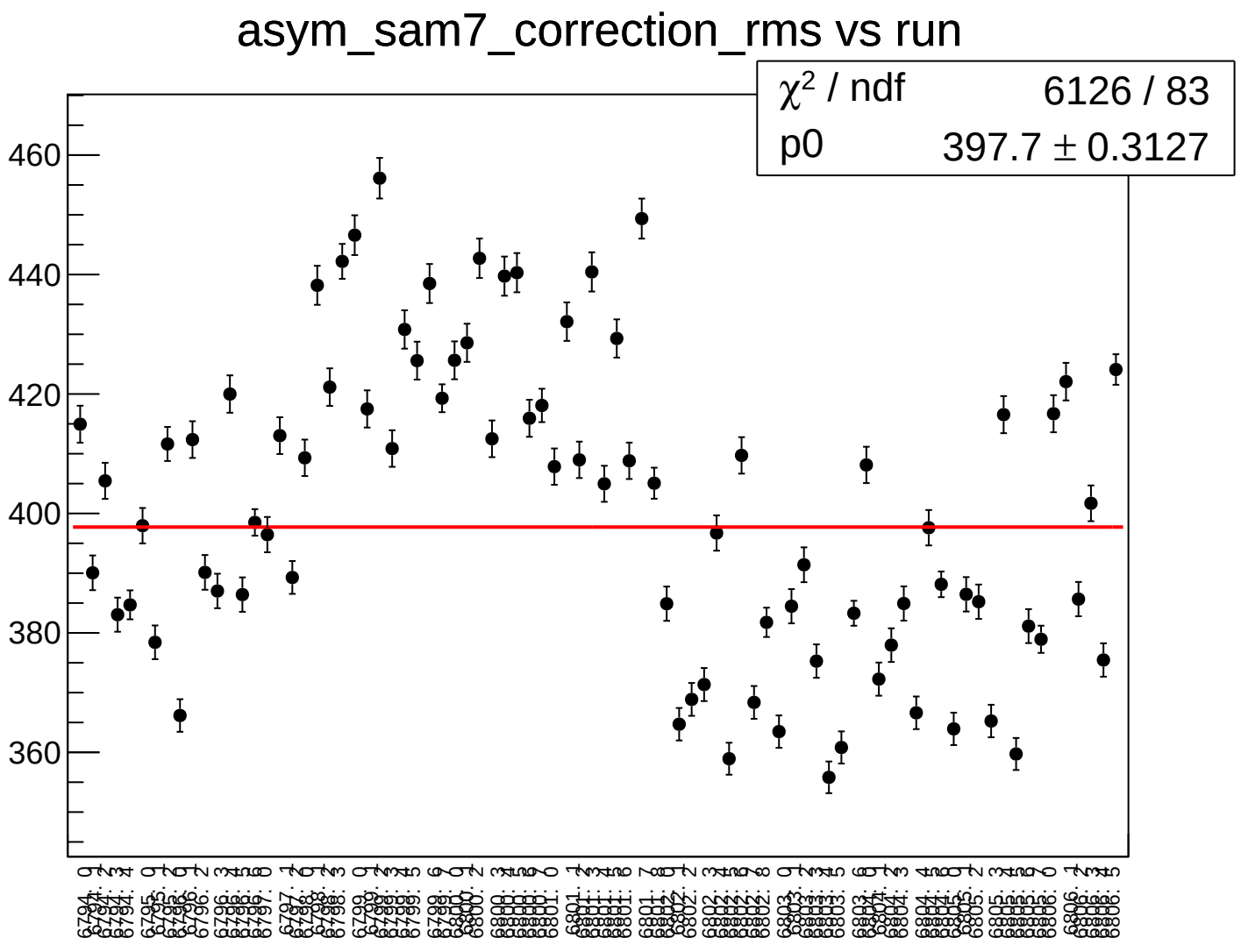

asym_sam6_rms vs run
χ² / ndf 1.757e+04 / 83
p0 1286 ± 1.015
1600
1500
1400
1300
1200
1100
1000

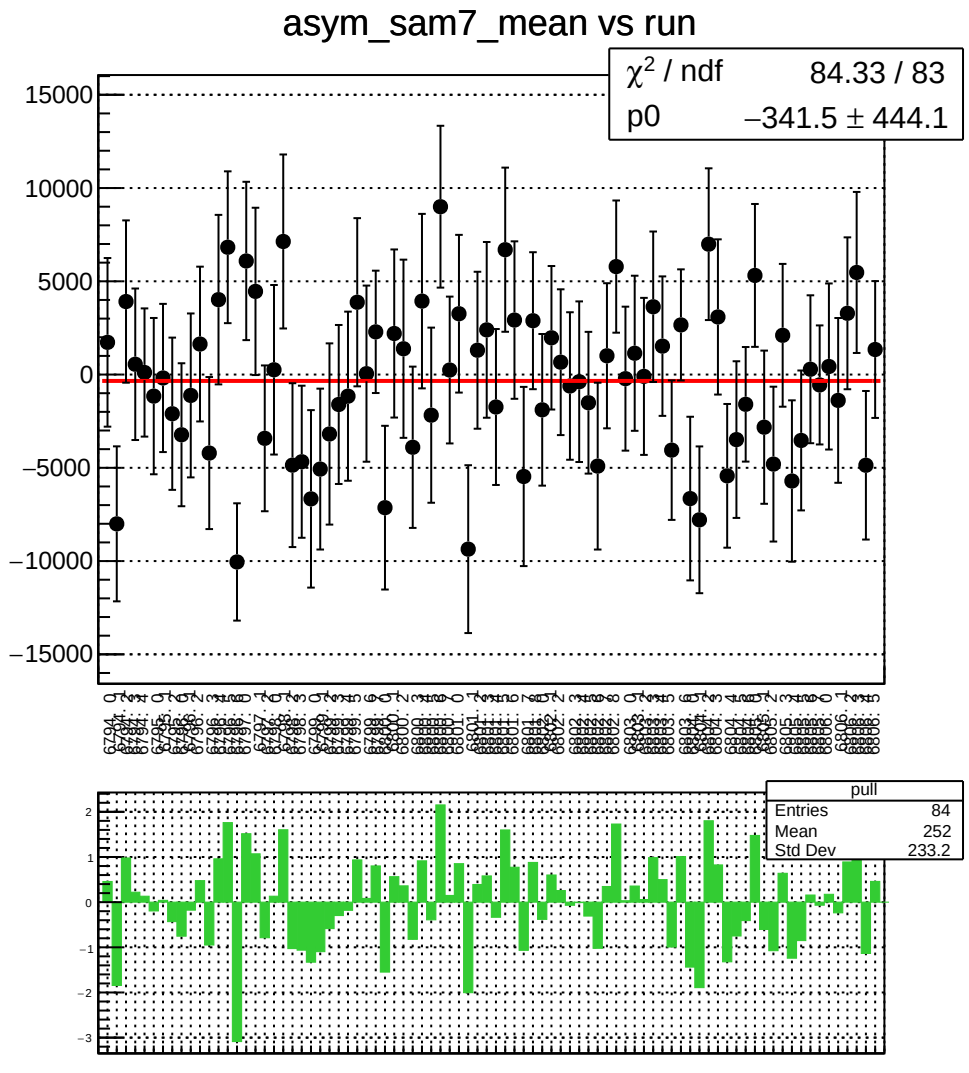

dit_asym_sam7_mean vs run
χ² / ndf 82 / 83
p0 −311.7 ± 78.75
2000
1000
0
−1000
−2000
pull
Entries 84
Mean 1099
Std Dev 1061
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

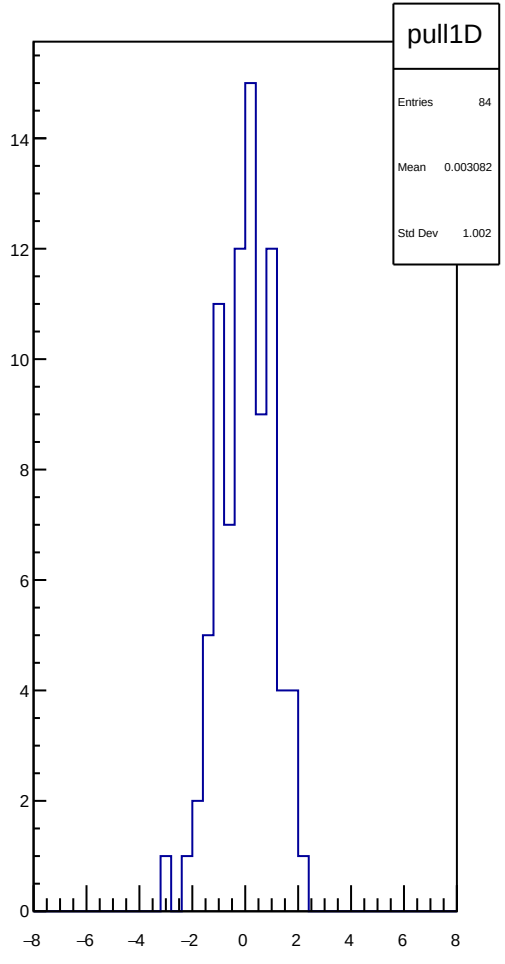

pull1D
Entries 84
Mean −0.003142
Std Dev 0.988
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

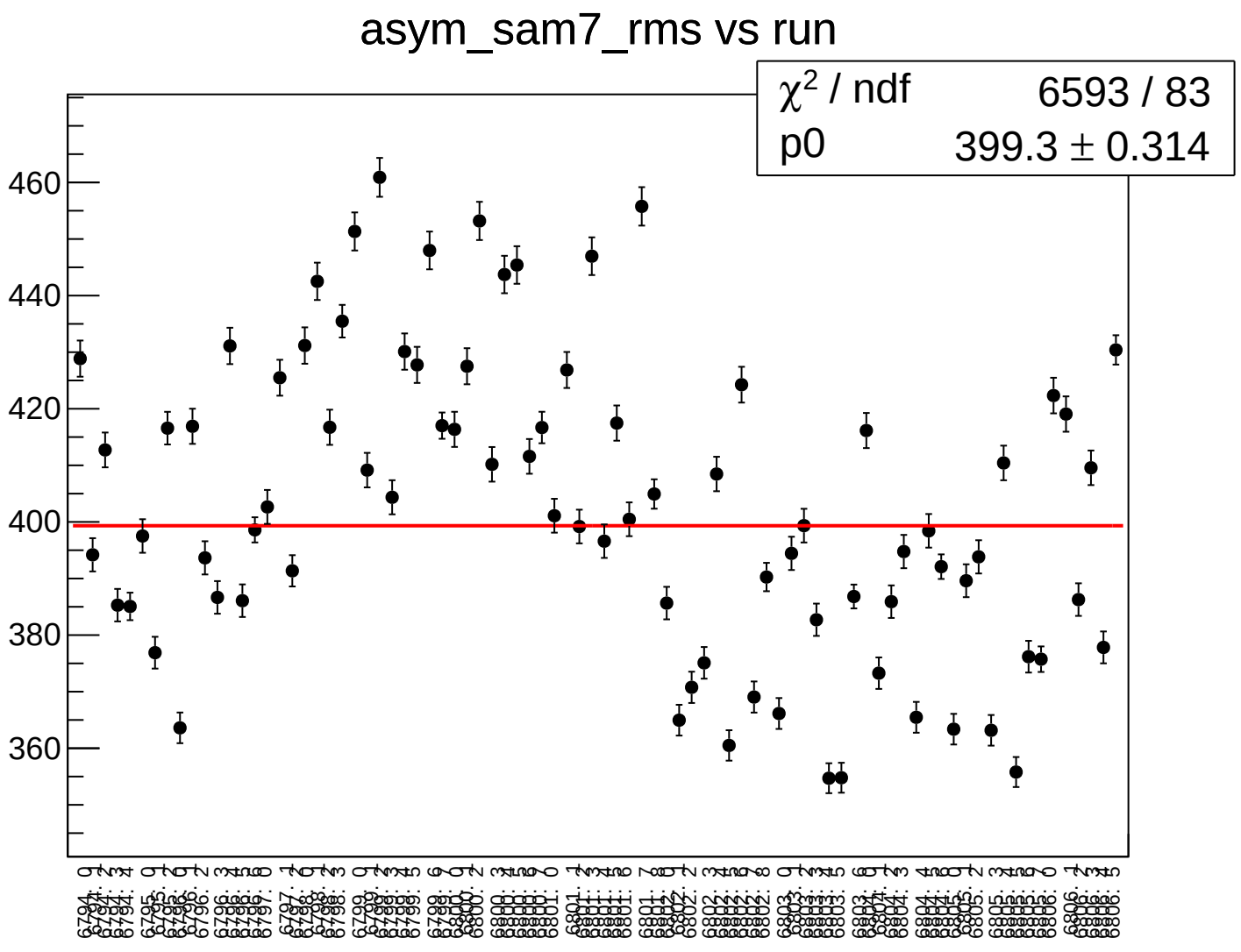

dit_asym_sam7_rms vs run
χ^2 / ndf 3989 / 83
p0 70.87 ± 0.05568
85
80
75
70
65

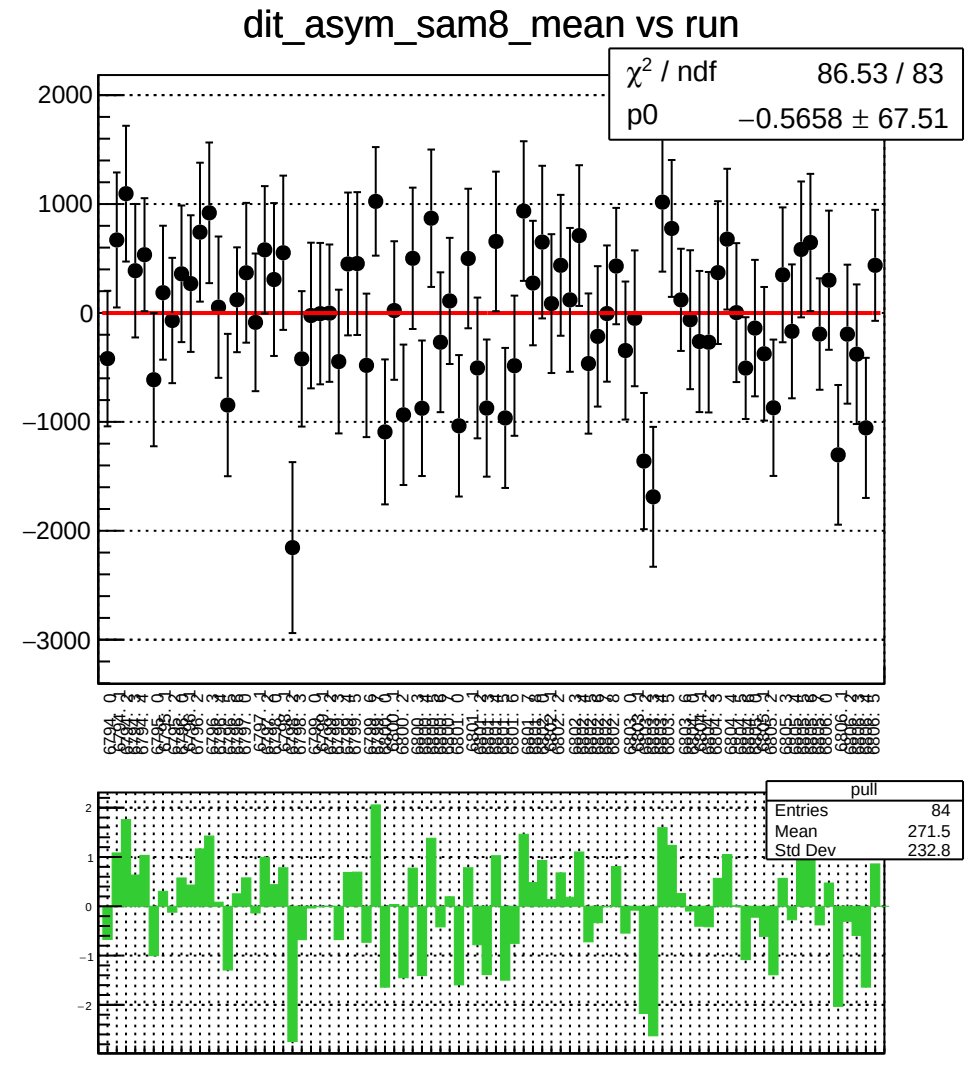

asym_sam7_correction_mean vs run
χ² / ndf 83.43 / 83
p0 −6.916 ± 442.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean −1394
Std Dev 1420
3
2
1
0
−1
−2
pull1D
Entries 84
Mean 0.0008357
Std Dev 0.9966
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

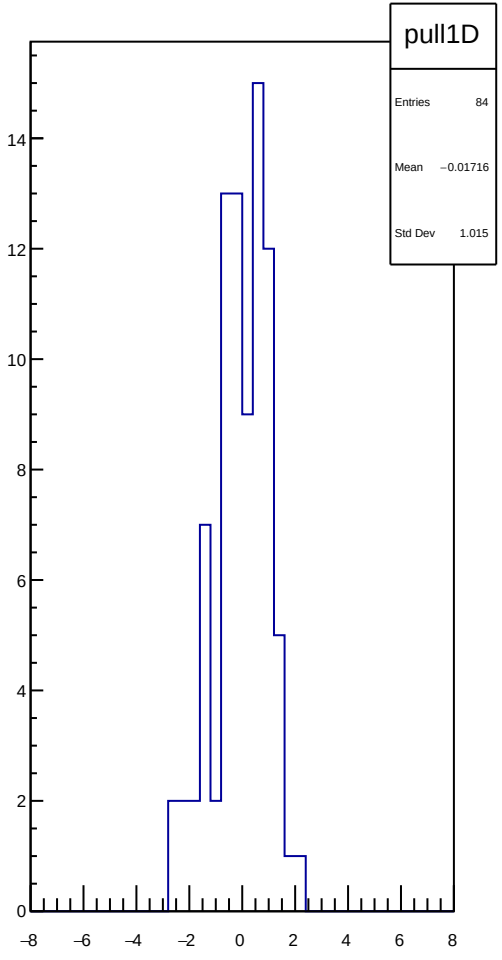

asym_sam7_correction_rms vs run
χ² / ndf 6126 / 83
p0 397.7 ± 0.3127
460
440
420
400
380
360

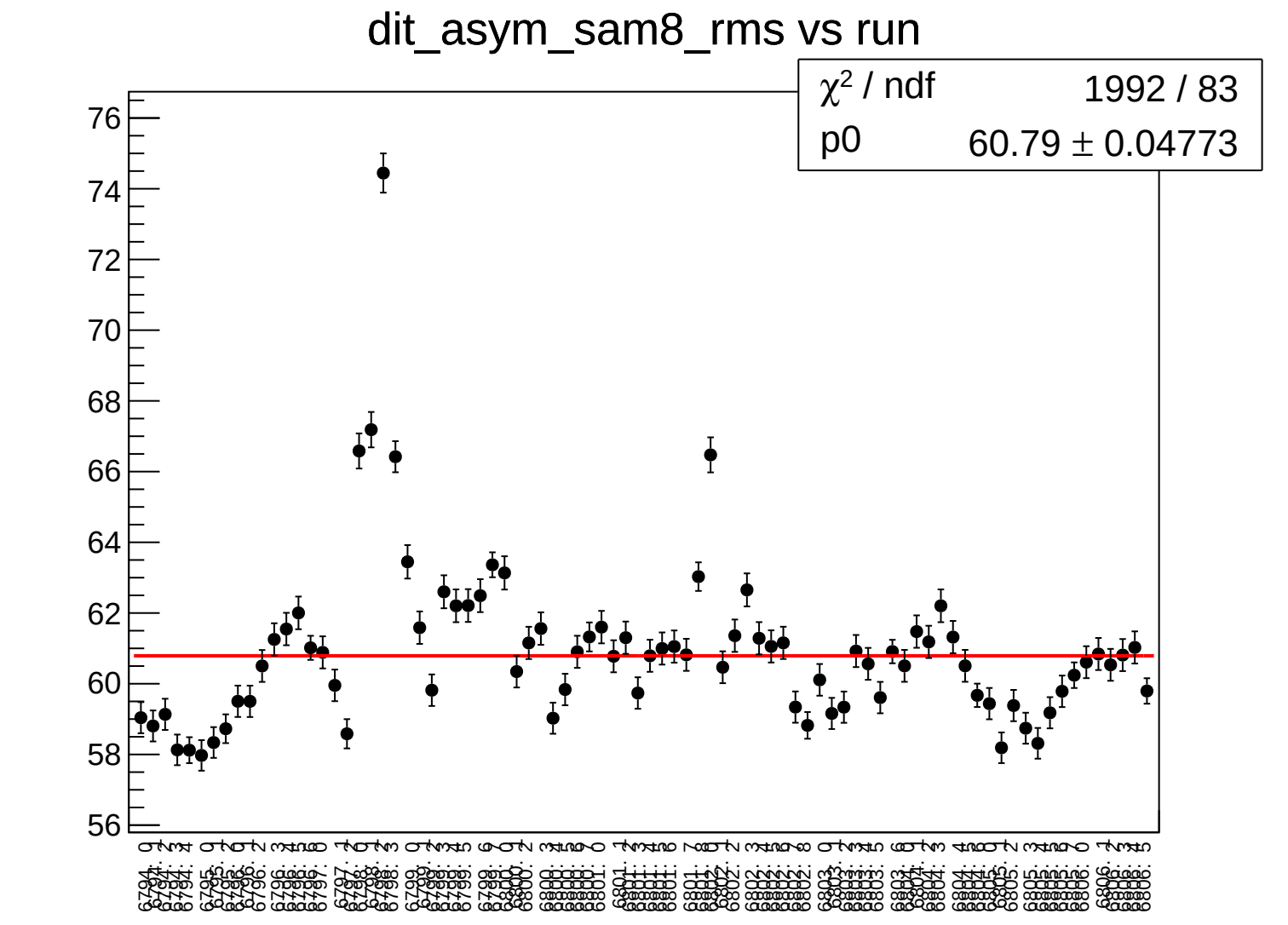

asym_sam7_mean vs run
χ² / ndf 84.33 / 83
p0 −341.5 ± 444.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean 252
Std Dev 233.2
2
1
0
−1
−2
−3

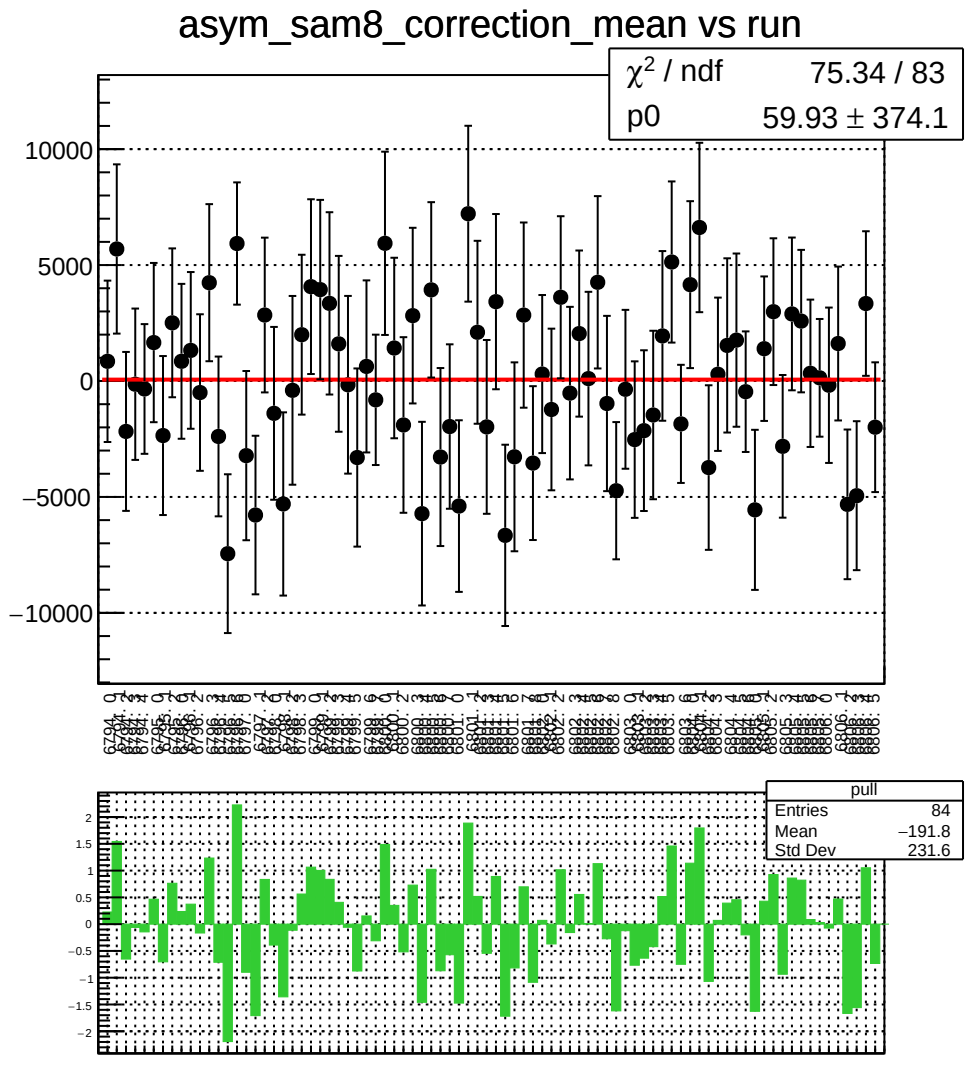

pull1D
Entries 84
Mean 0.003082
Std Dev 1.002
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

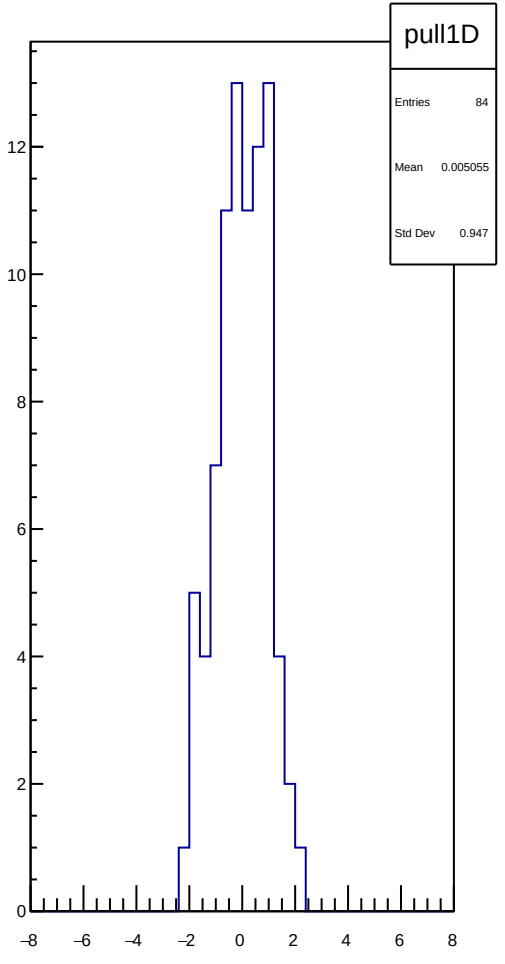

asym_sam7_rms vs run
χ^2 / ndf 6593 / 83
p0 399.3 ± 0.314
460
440
420
400
380
360

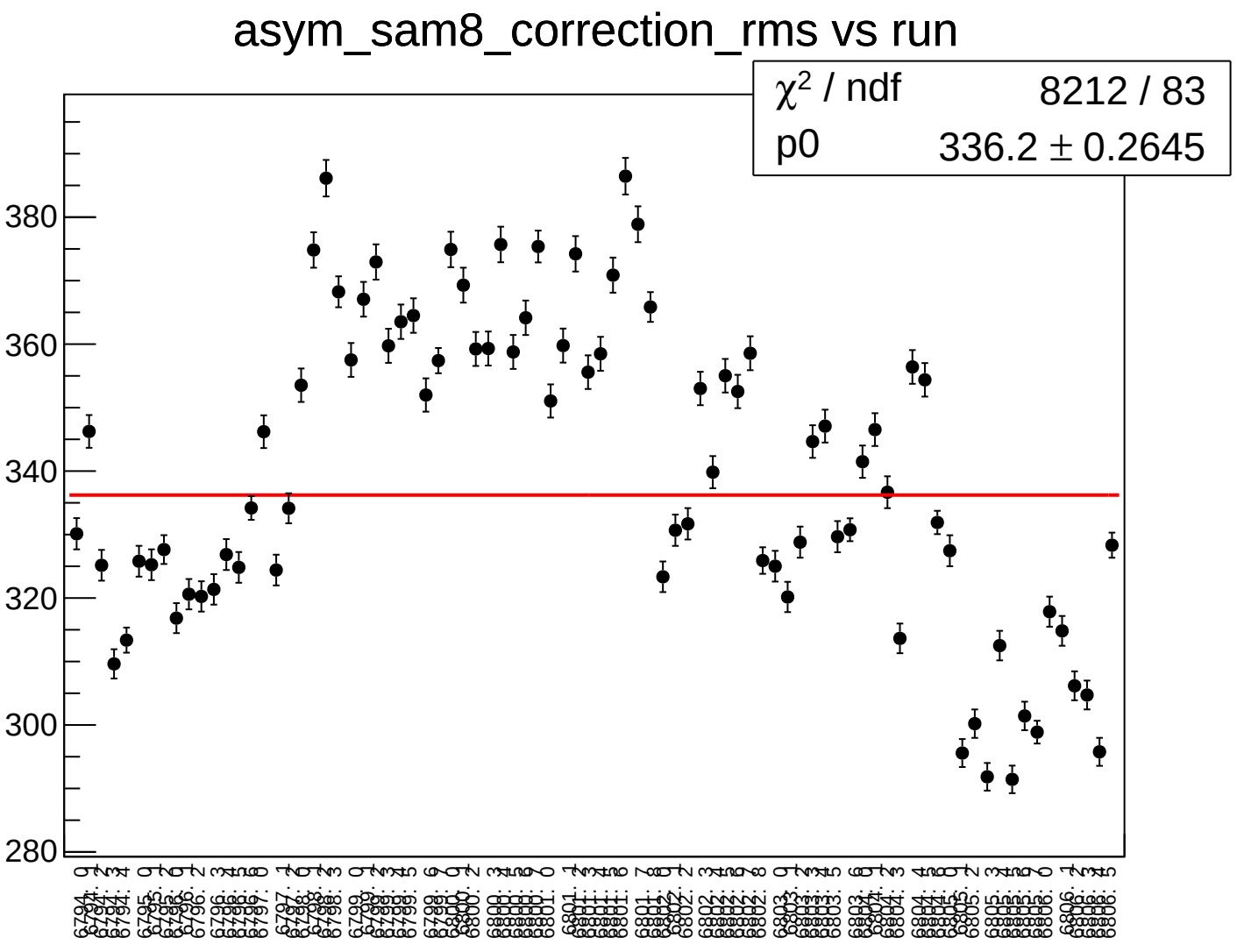

dit_asym_sam8_mean vs run
χ² / ndf 86.53 / 83
p0 −0.5658 ± 67.51
2000
1000
0
−1000
−2000
−3000
pull
Entries 84
Mean 271.5
Std Dev 232.8
2
1
0
−1
−2

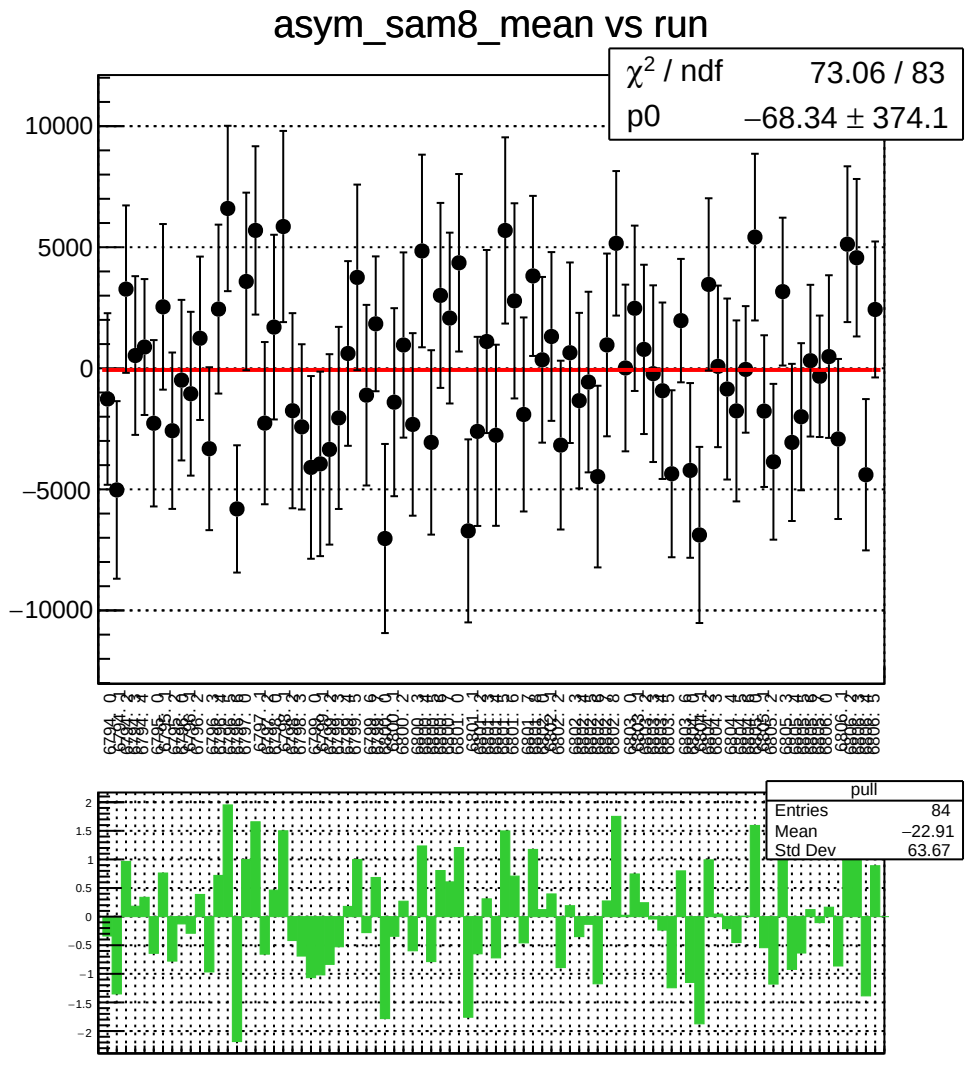

pull1D
Entries 84
Mean −0.01716
Std Dev 1.015
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

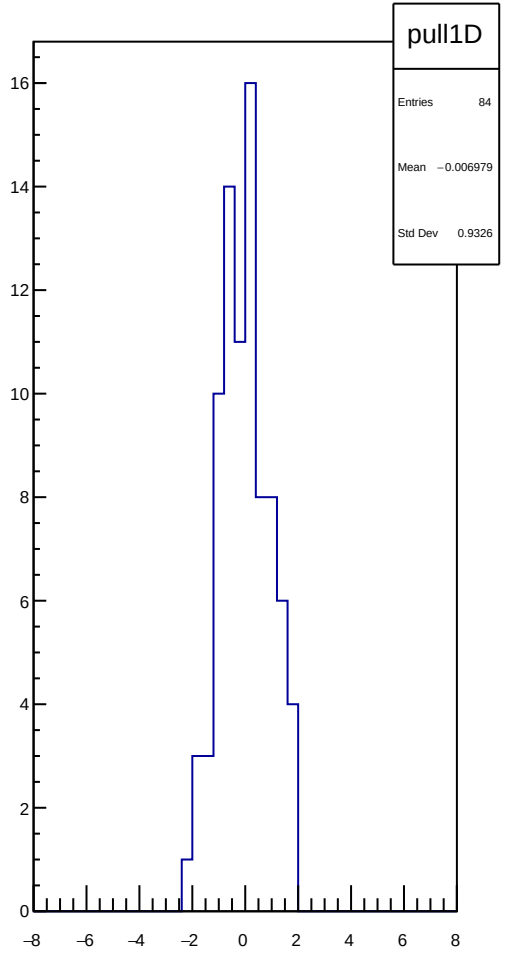

dit_asym_sam8_rms vs run
χ^2 / ndf 1992 / 83
p0 60.79 ± 0.04773
76
74
72
70
68
66
64
62
60
58
56

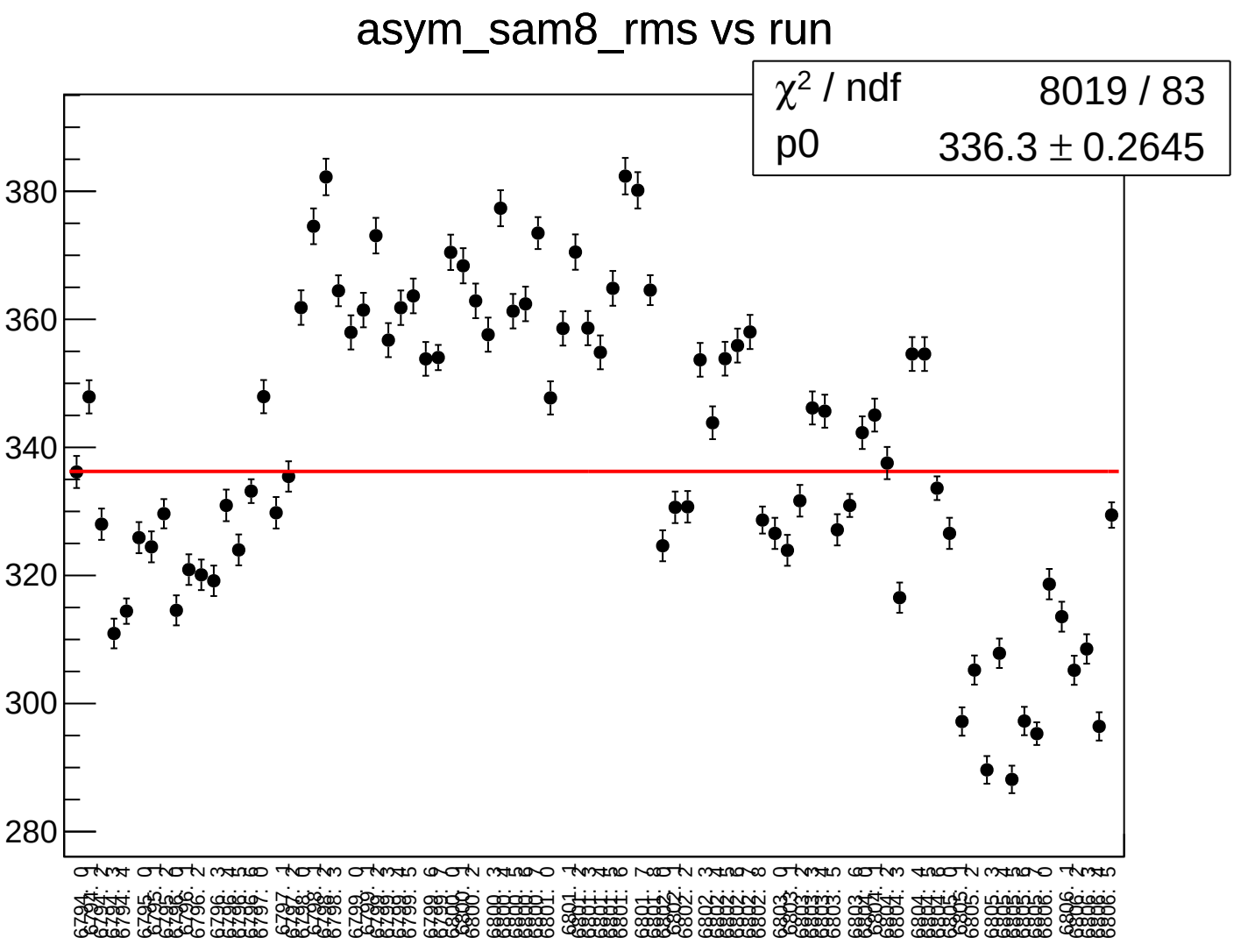

asym_sam8_correction_mean vs run
χ² / ndf 75.34 / 83
p0 59.93 ± 374.1
10000
5000
0
−5000
−10000
pull
Entries 84
Mean −191.8
Std Dev 231.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

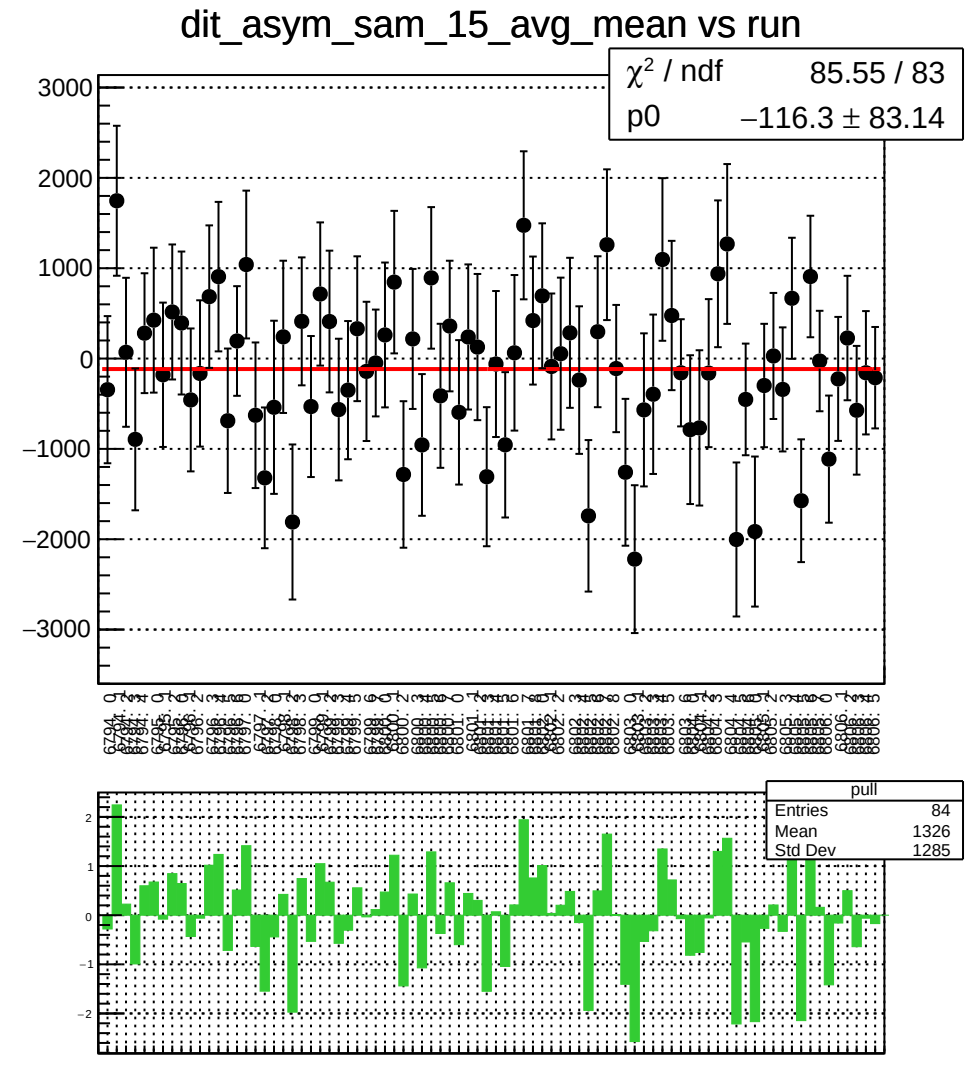

pull1D
Entries 84
Mean 0.005055
Std Dev 0.947
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

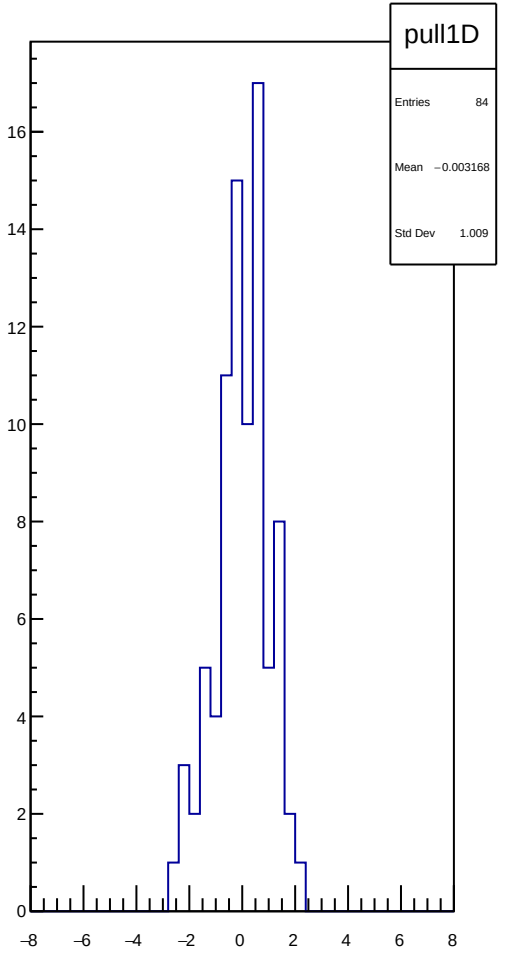

asym_sam8_correction_rms vs run
χ² / ndf 8212 / 83
p0 336.2 ± 0.2645
380
360
340
320
300
280

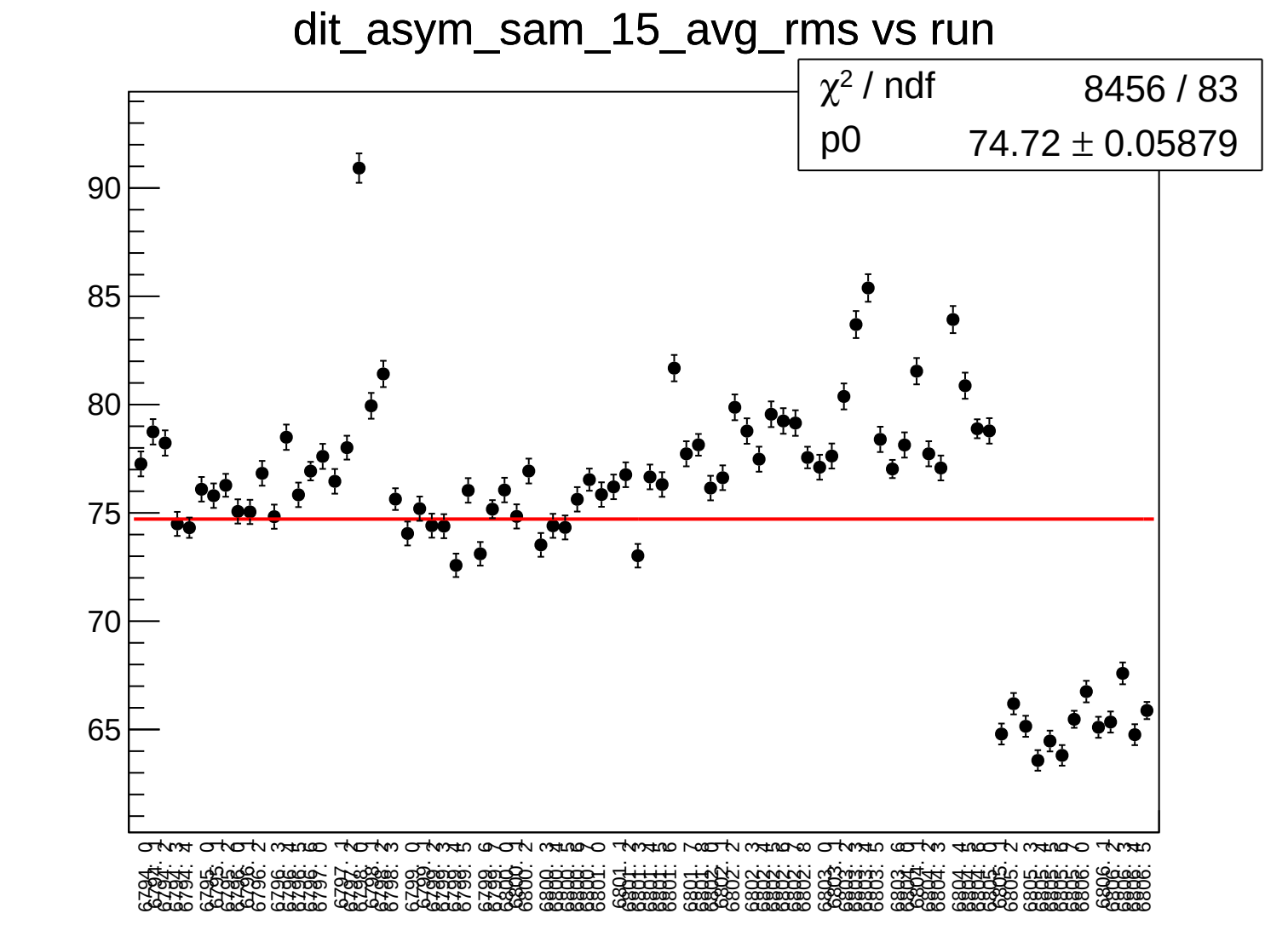

asym_sam8_mean vs run
χ² / ndf 73.06 / 83
p0 −68.34 ± 374.1
10000
5000
0
−5000
−10000
pull
Entries 84
Mean −22.91
Std Dev 63.67
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

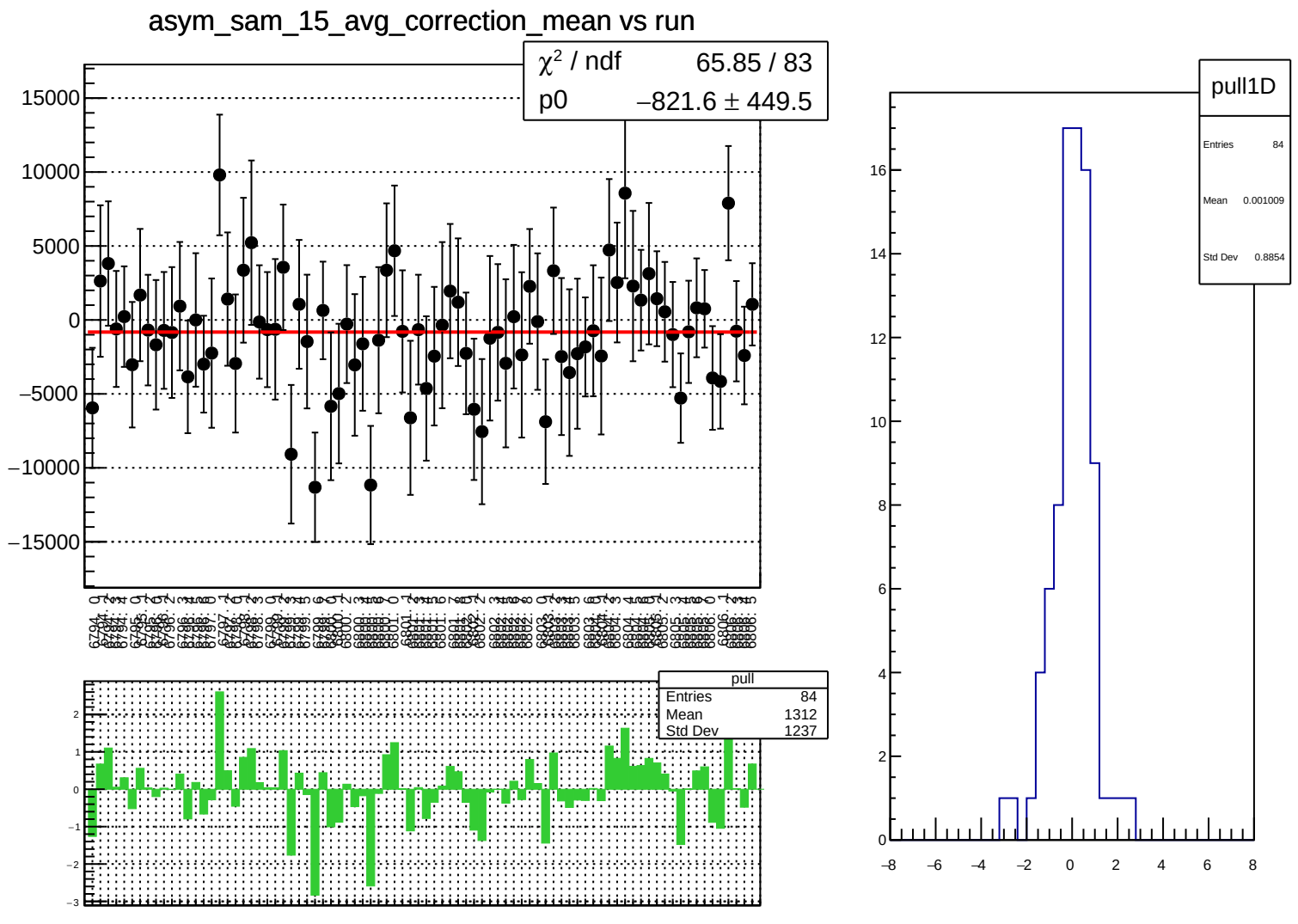

pull1D
Entries 84
Mean −0.006979
Std Dev 0.9326
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

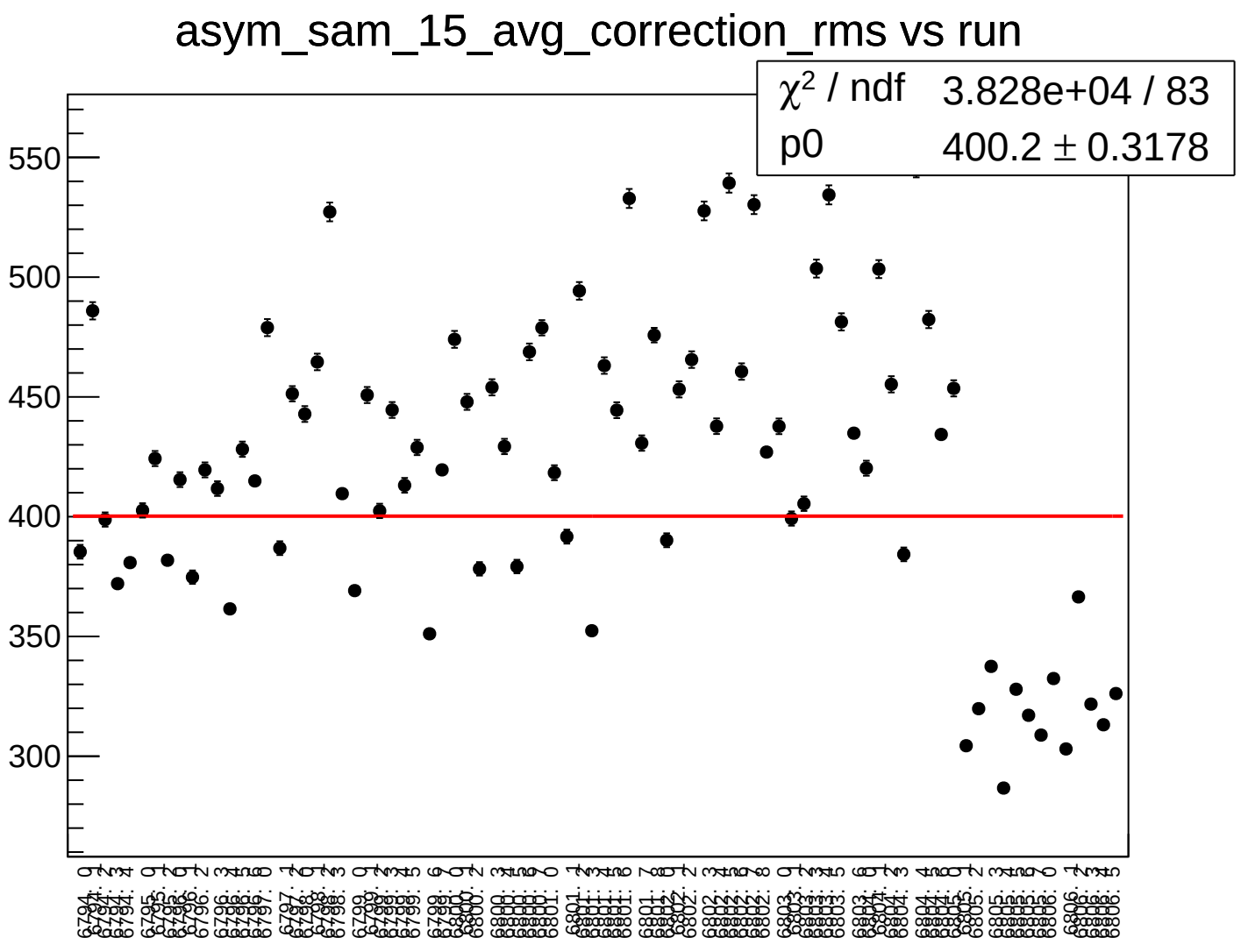

asym_sam8_rms vs run
χ^2 / ndf 8019 / 83
p0 336.3 ± 0.2645
380
360
340
320
300
280

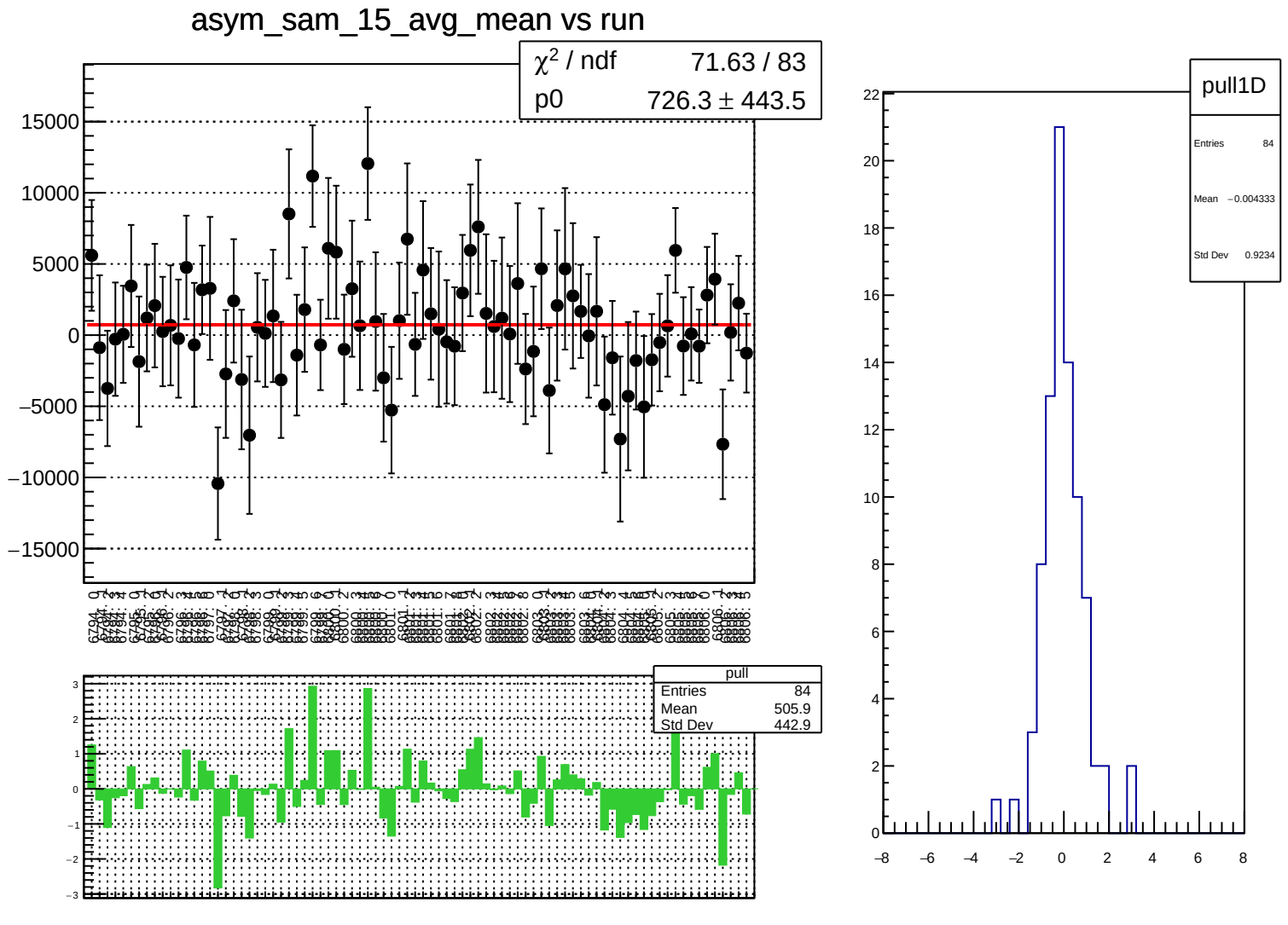

dit_asym_sam_15_avg_mean vs run
χ² / ndf 85.55 / 83
p0 −116.3 ± 83.14
pull
Entries 84
Mean 1326
Std Dev 1285

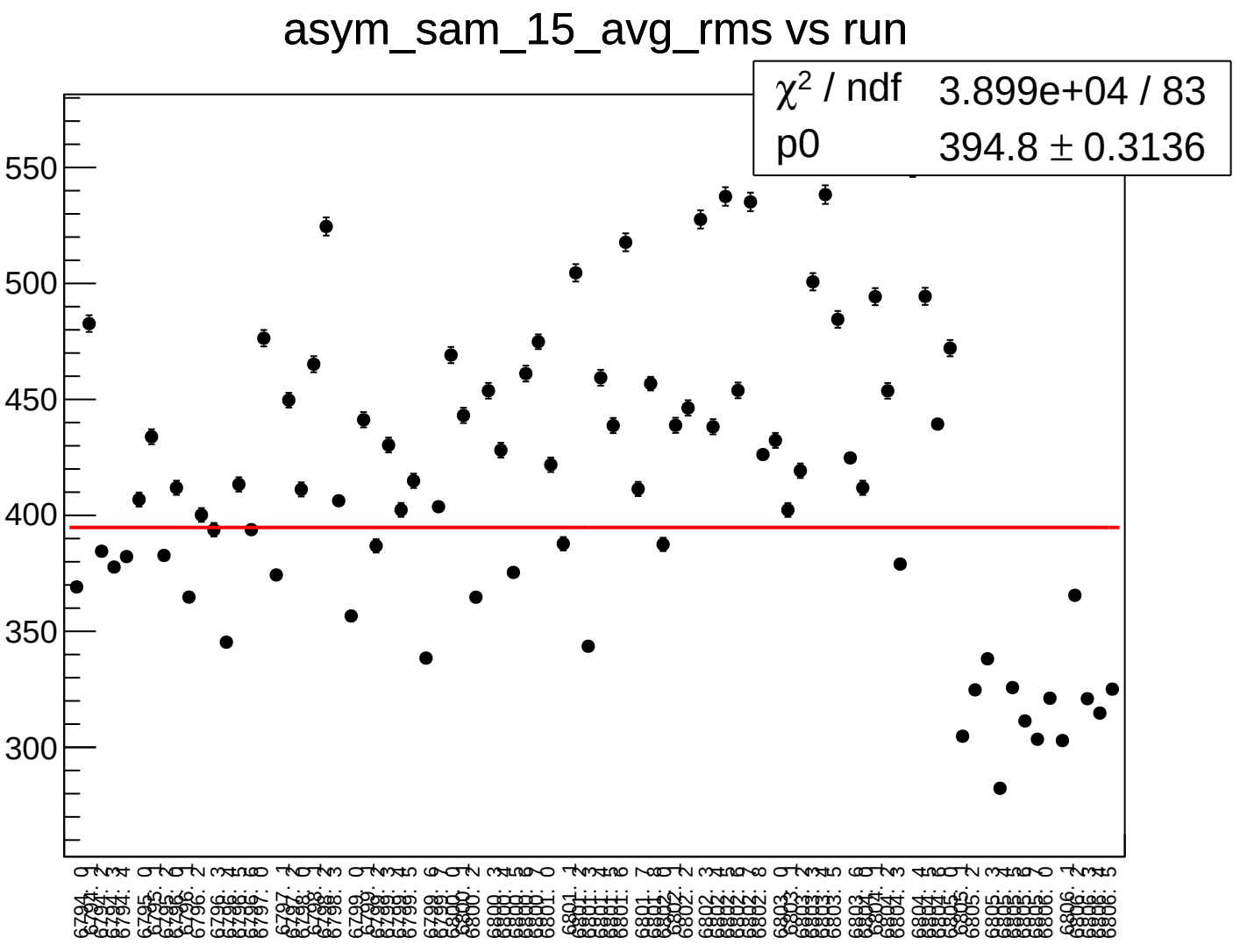

pull1D
Entries 84
Mean −0.003168
Std Dev 1.009

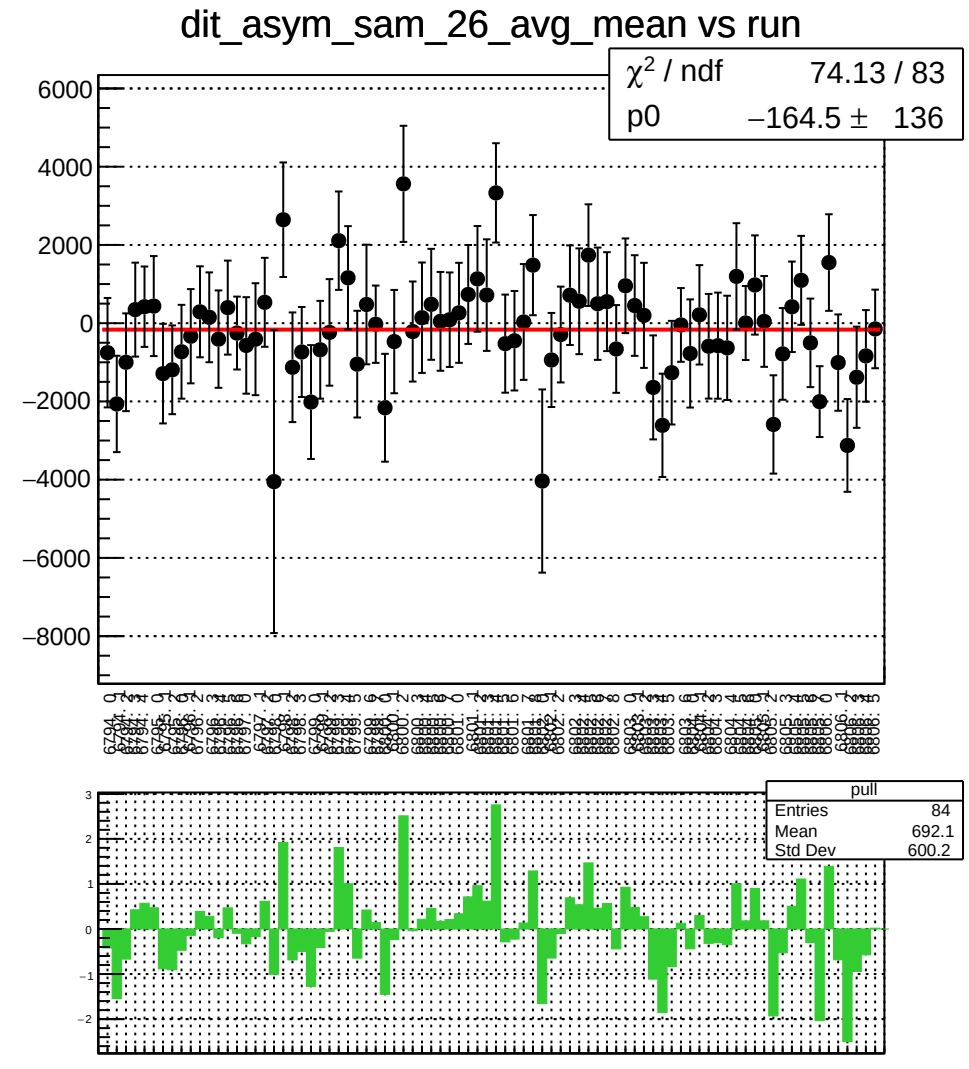

dit_asym_sam_15_avg_rms vs run
χ² / ndf 8456 / 83
p0 74.72 ± 0.05879
90
85
80
75
70
65

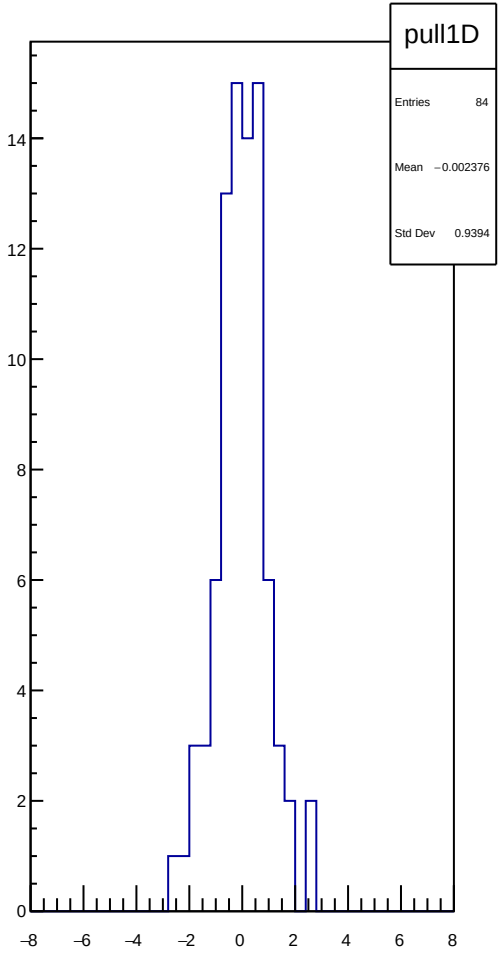

asym_sam_15_avg_correction_mean vs run
χ² / ndf 65.85 / 83
p0 −821.6 ± 449.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean 1312
Std Dev 1237
2
1
0
−1
−2
−3
pull1D
Entries 84
Mean 0.001009
Std Dev 0.8854
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

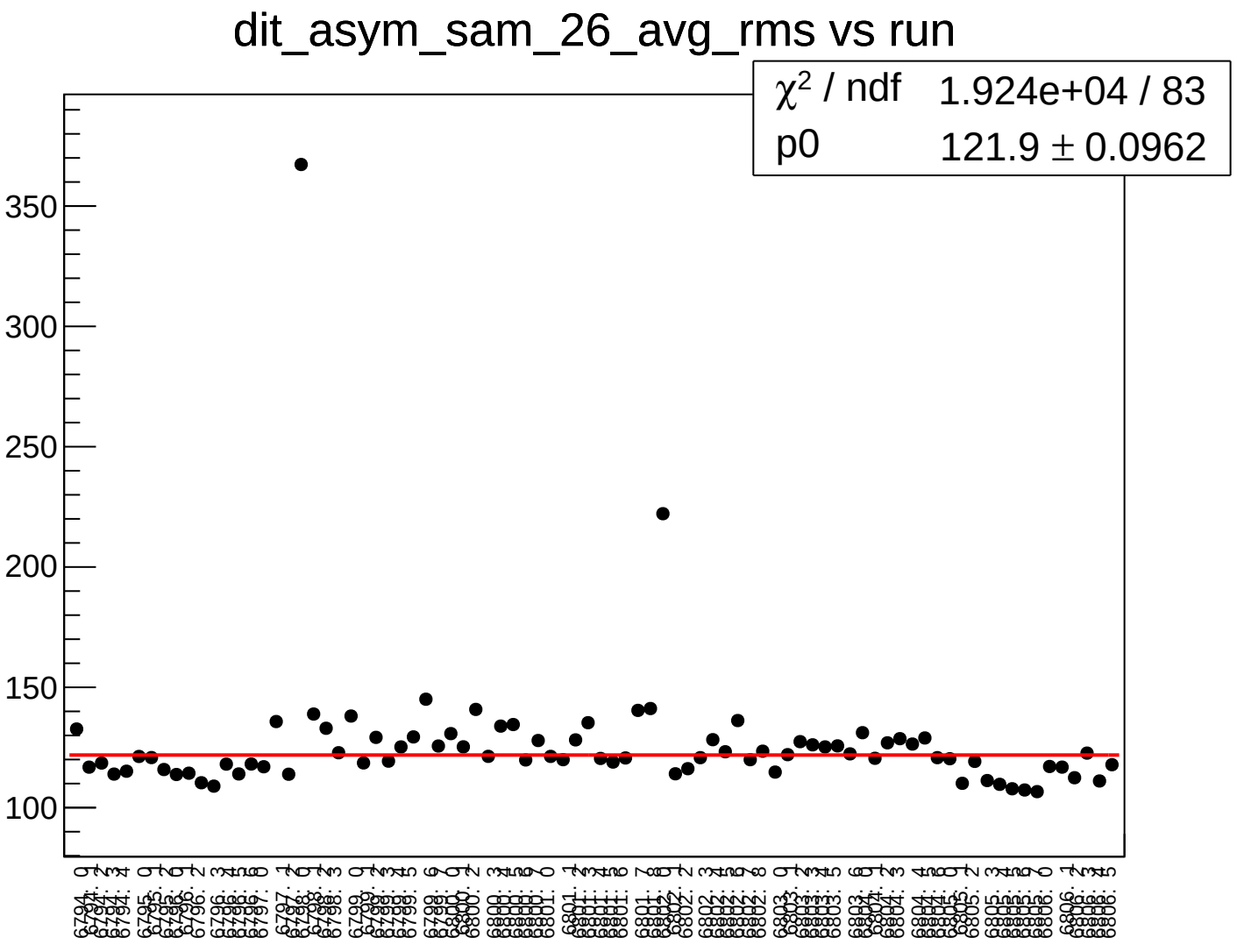

asym_sam_15_avg_correction_rms vs run
χ² / ndf 3.828e+04 / 83
p0 400.2 ± 0.3178
550
500
450
400
350
300

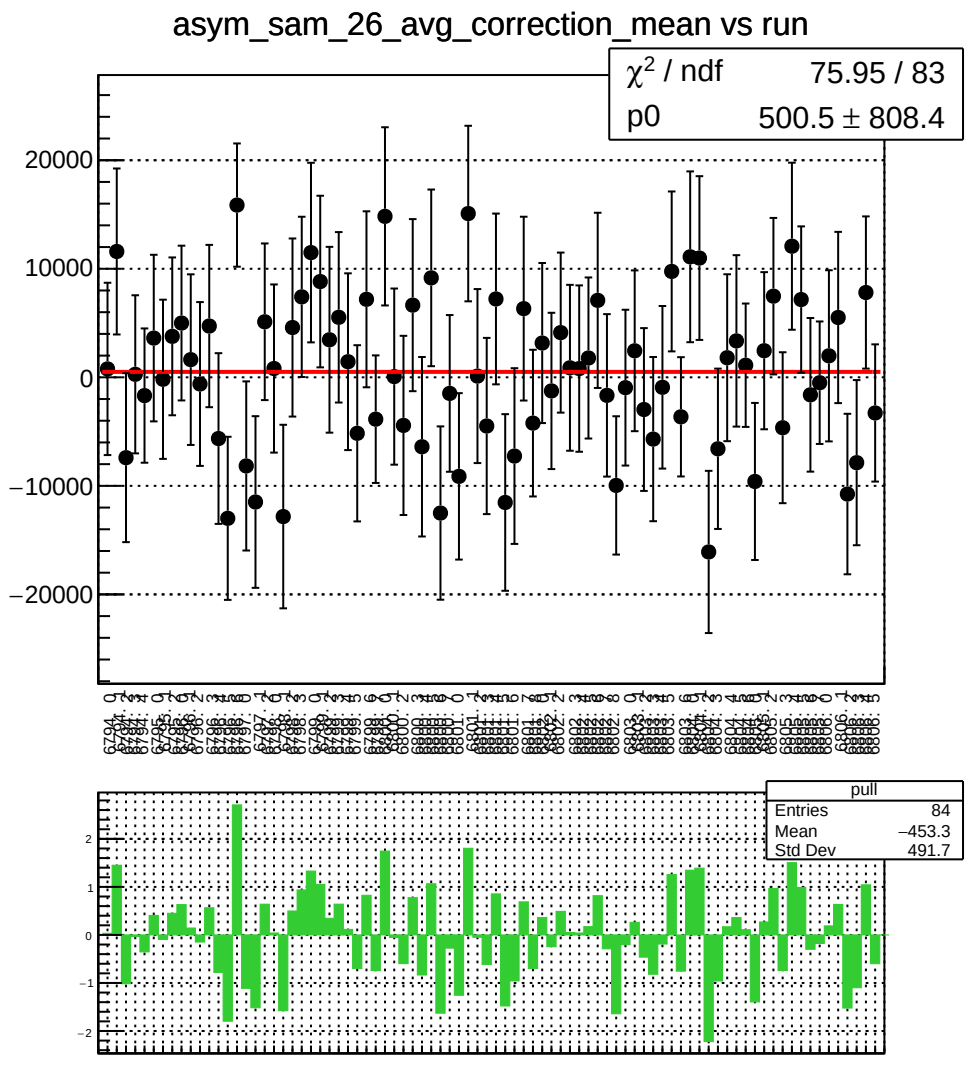

asym_sam_15_avg_mean vs run
χ² / ndf 71.63 / 83
p0 726.3 ± 443.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean 505.9
Std Dev 442.9
3
2
1
0
−1
−2
−3
pull1D
Entries 84
Mean −0.004333
Std Dev 0.9234
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

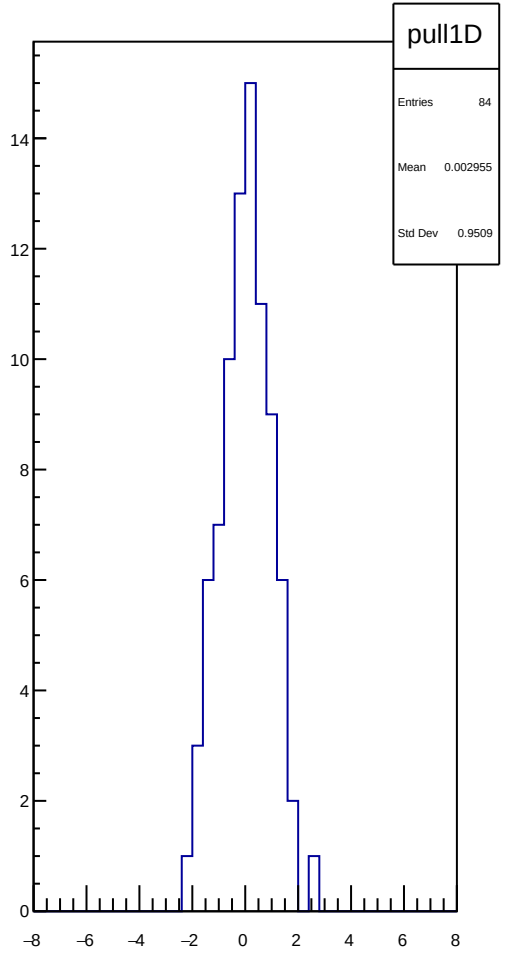

asym_sam_15_avg_rms vs run
χ^2 / ndf 3.899e+04 / 83
p0 394.8 ± 0.3136
550
500
450
400
350
300

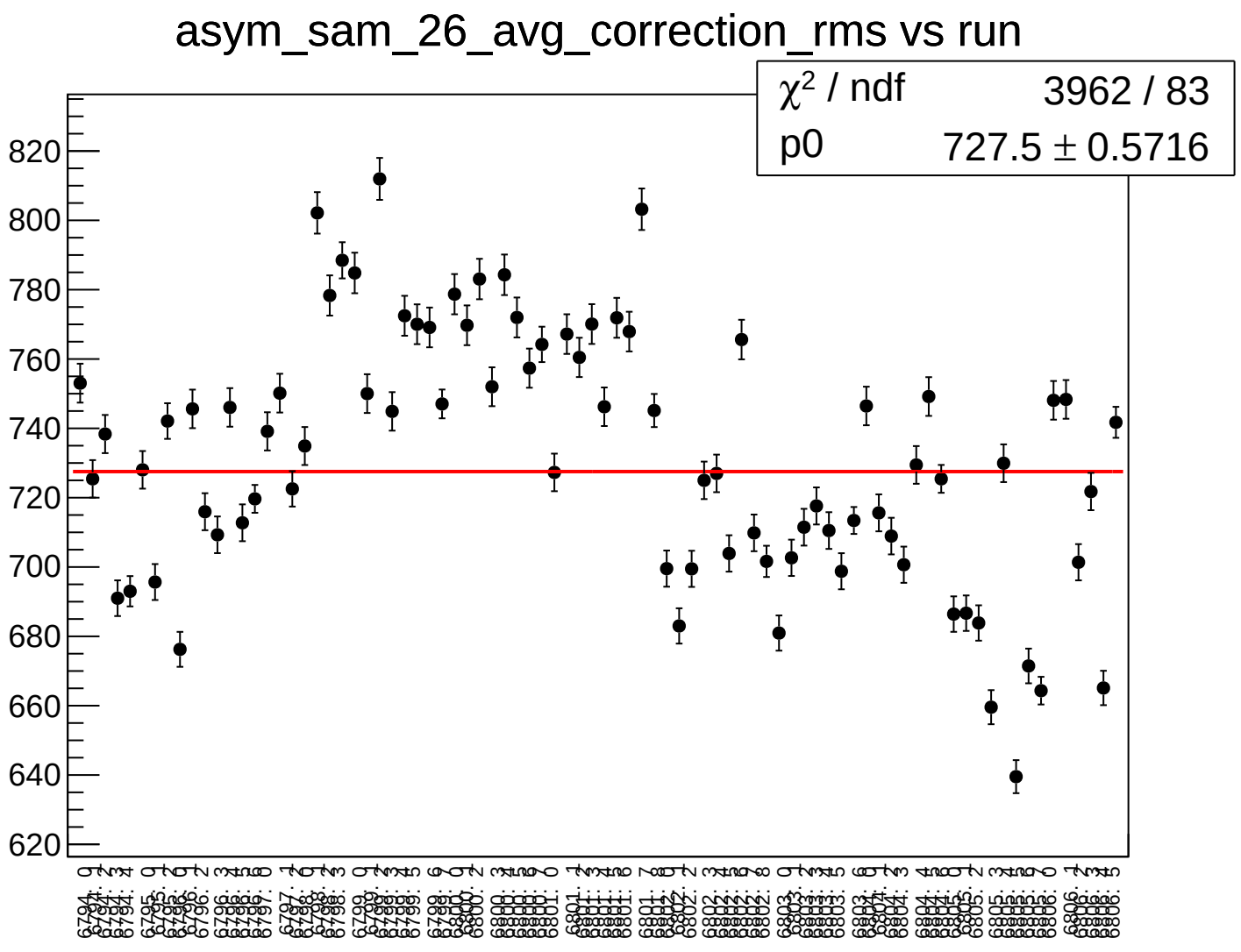

dit_asym_sam_26_avg_mean vs run
χ² / ndf 74.13 / 83
p0 −164.5 ± 136
pull
Entries 84
Mean 692.1
Std Dev 600.2

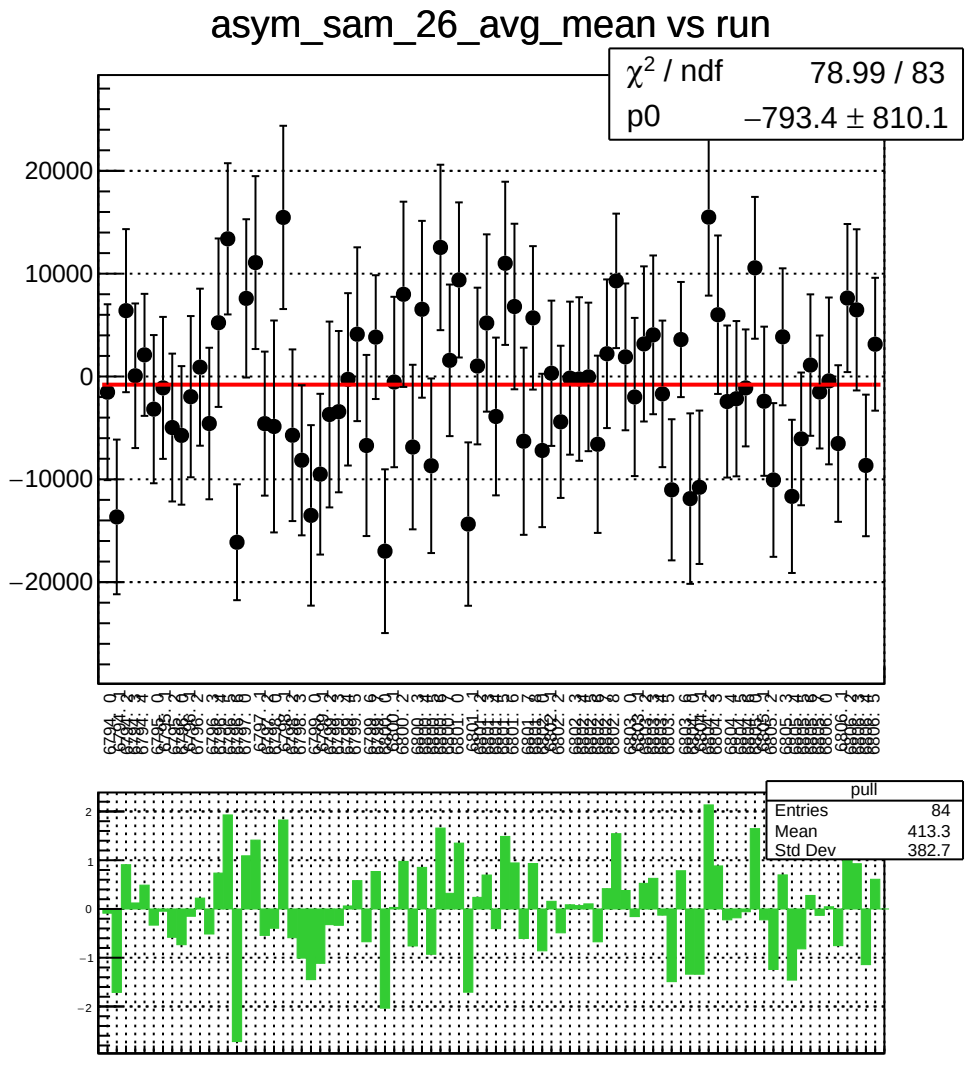

pull1D
Entries 84
Mean −0.002376
Std Dev 0.9394

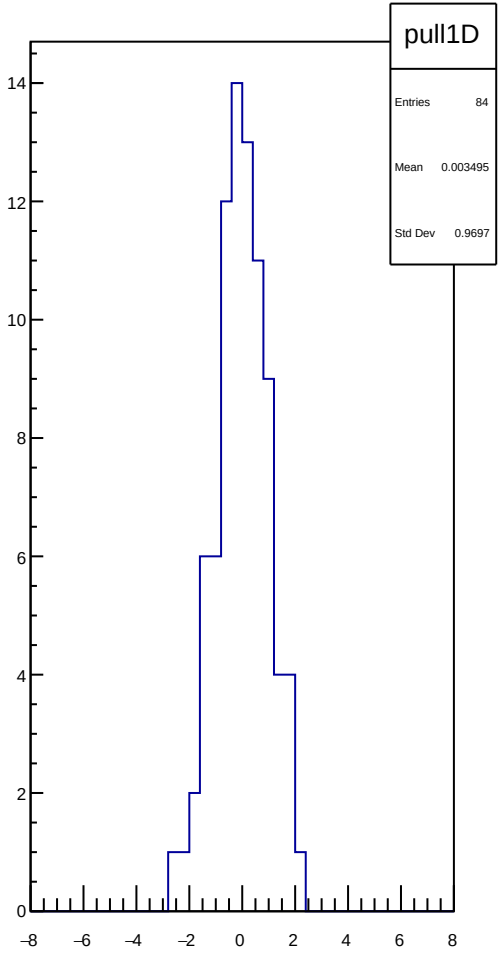

dit_asym_sam_26_avg_rms vs run
χ^2 / ndf 1.924e+04 / 83
p0 121.9 ± 0.0962
350
300
250
200
150
100

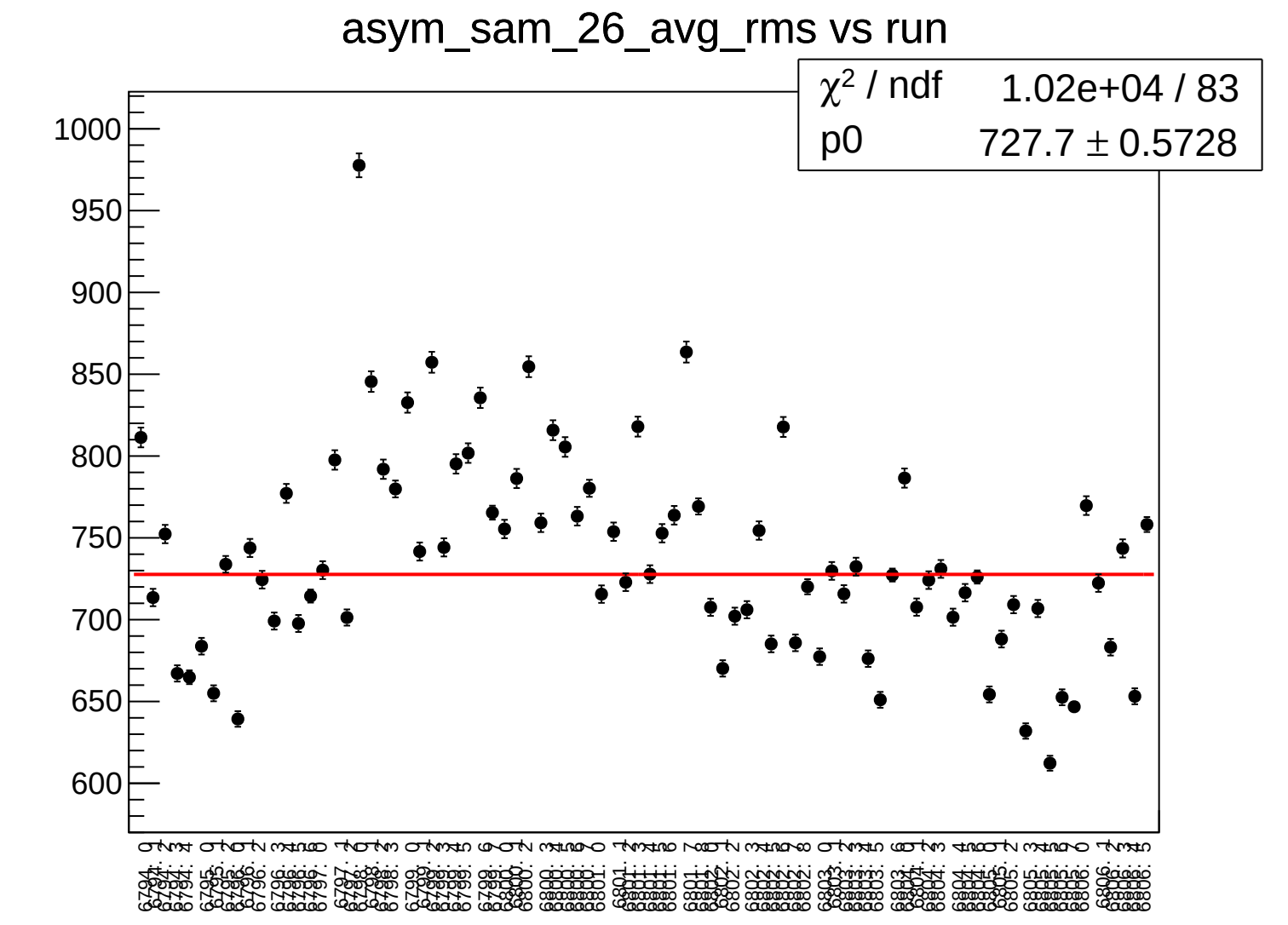

asym_sam_26_avg_correction_mean vs run
χ² / ndf 75.95 / 83
p0 500.5 ± 808.4
20000
10000
0
−10000
−20000
pull
Entries 84
Mean −453.3
Std Dev 491.7
2
1
0
−1
−2

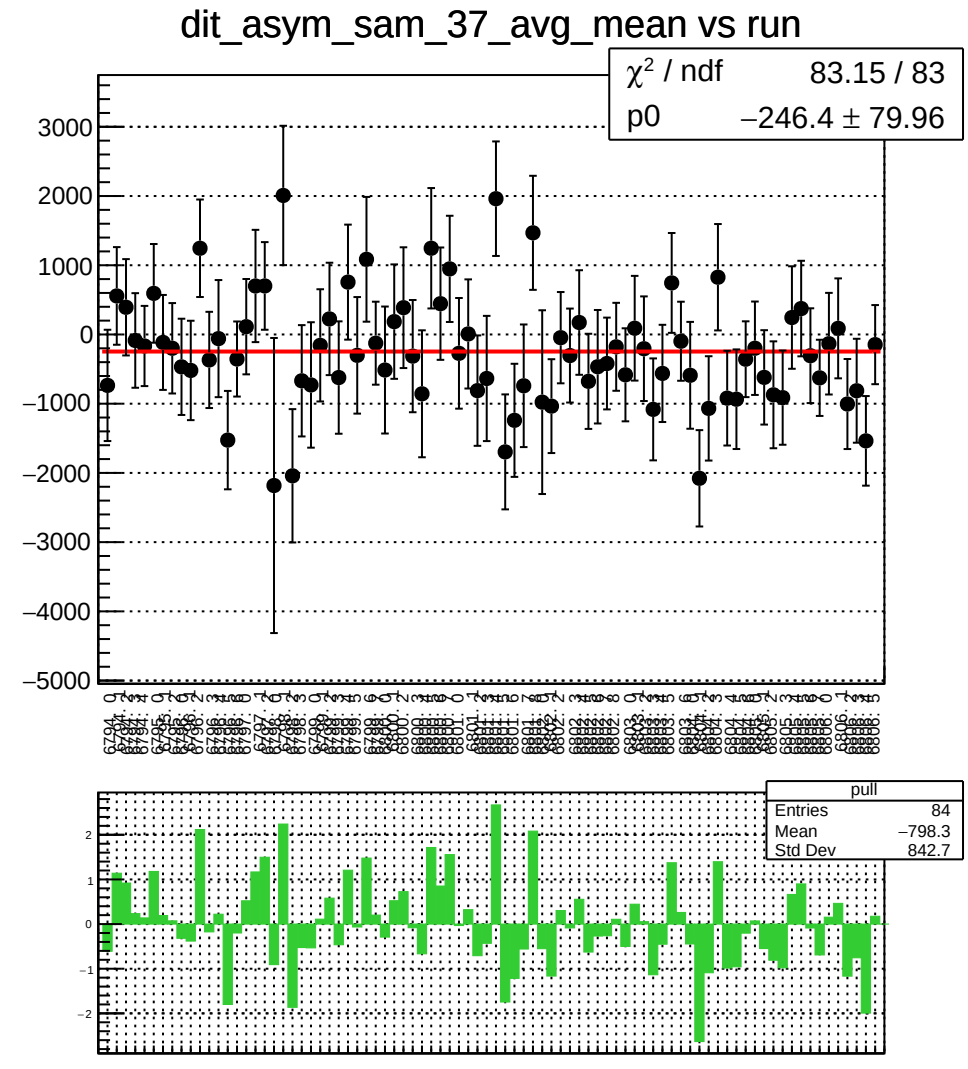

pull1D
Entries 84
Mean 0.002955
Std Dev 0.9509
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

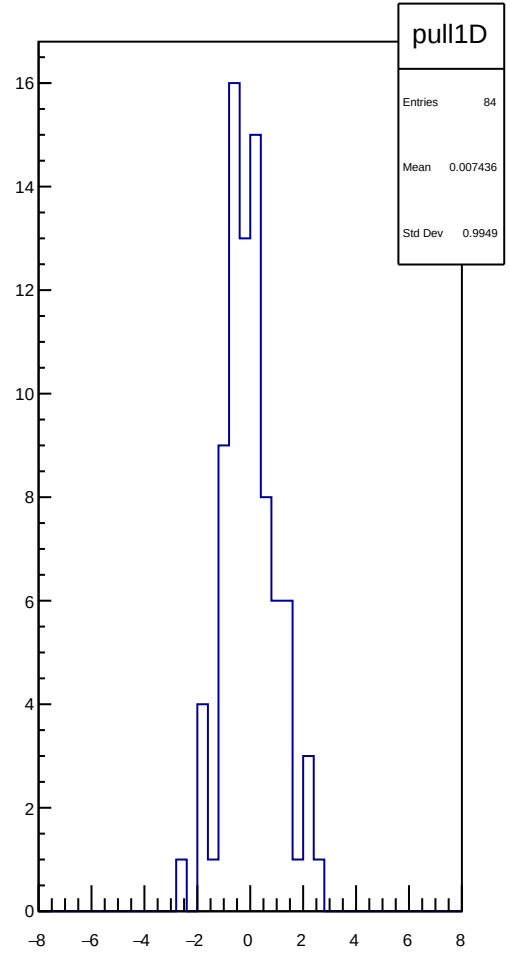

asym_sam_26_avg_correction_rms vs run
χ² / ndf 3962 / 83
p0 727.5 ± 0.5716
820
800
780
760
740
720
700
680
660
640
620

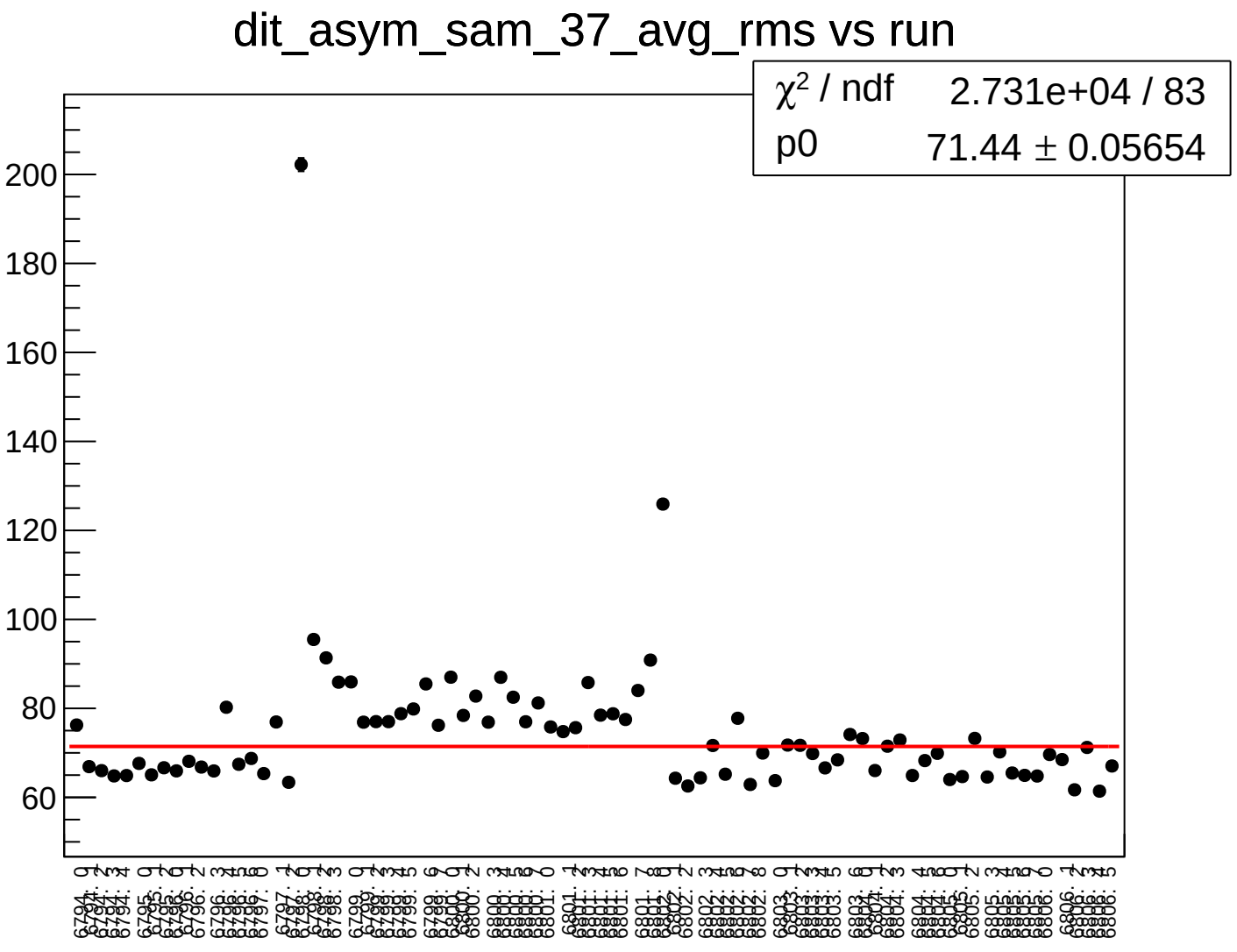

asym_sam_26_avg_mean vs run
χ² / ndf 78.99 / 83
p0 −793.4 ± 810.1
20000
10000
0
−10000
−20000
pull
Entries 84
Mean 413.3
Std Dev 382.7
2
1
0
−1
−2

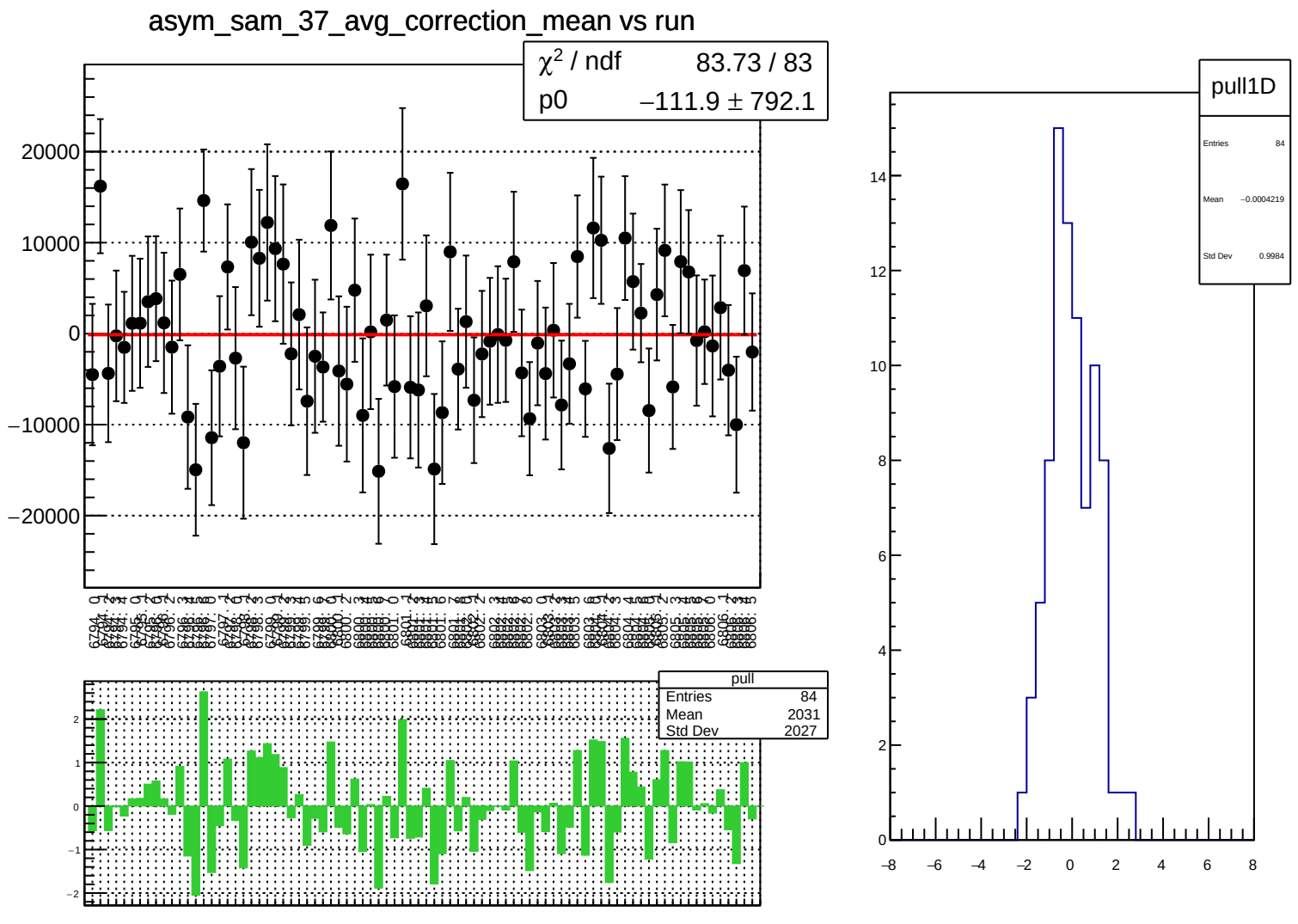

pull1D
Entries 84
Mean 0.003495
Std Dev 0.9697
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

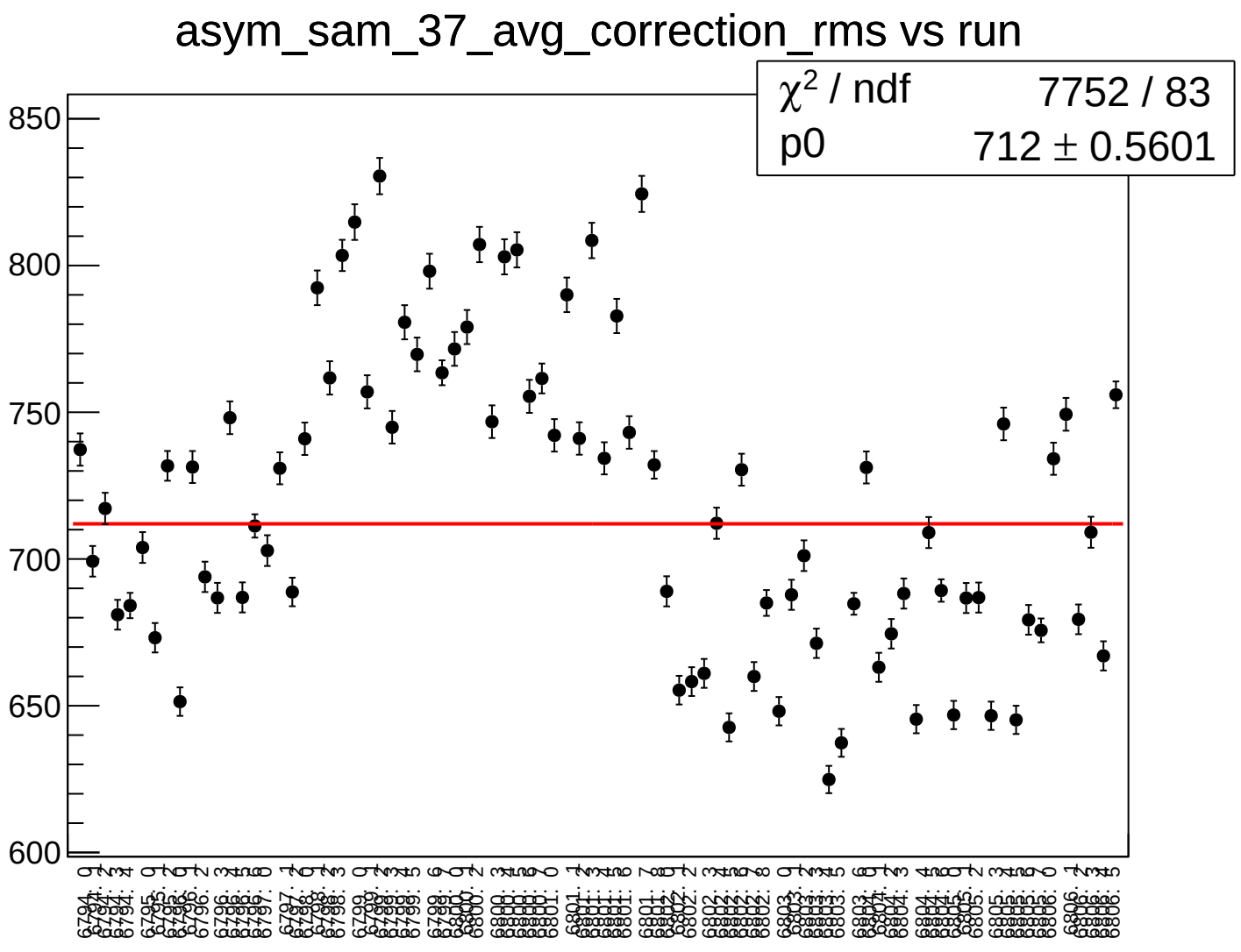

asym_sam_26_avg_rms vs run
χ² / ndf 1.02e+04 / 83
p0 727.7 ± 0.5728
1000
950
900
850
800
750
700
650
600

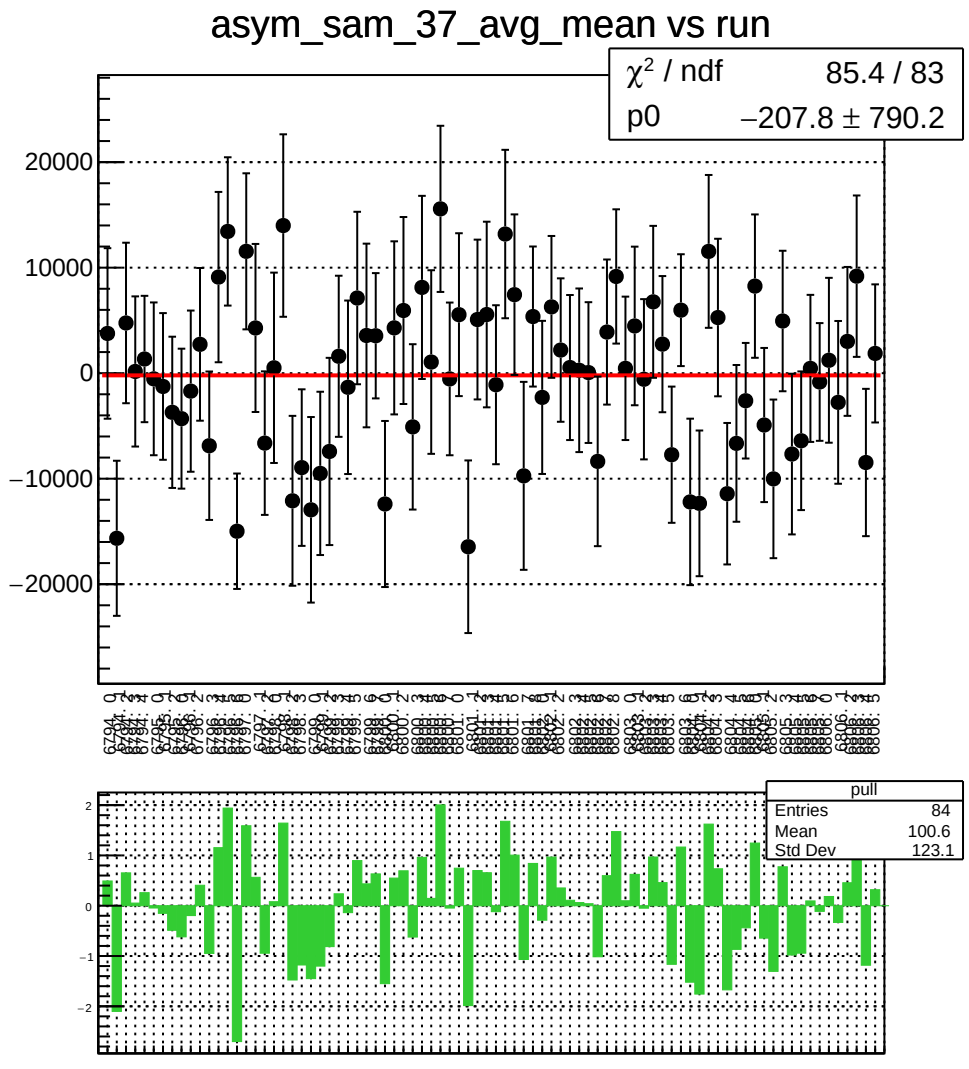

dit_asym_sam_37_avg_mean vs run
χ² / ndf 83.15 / 83
p0 −246.4 ± 79.96
pull
Entries 84
Mean −798.3
Std Dev 842.7

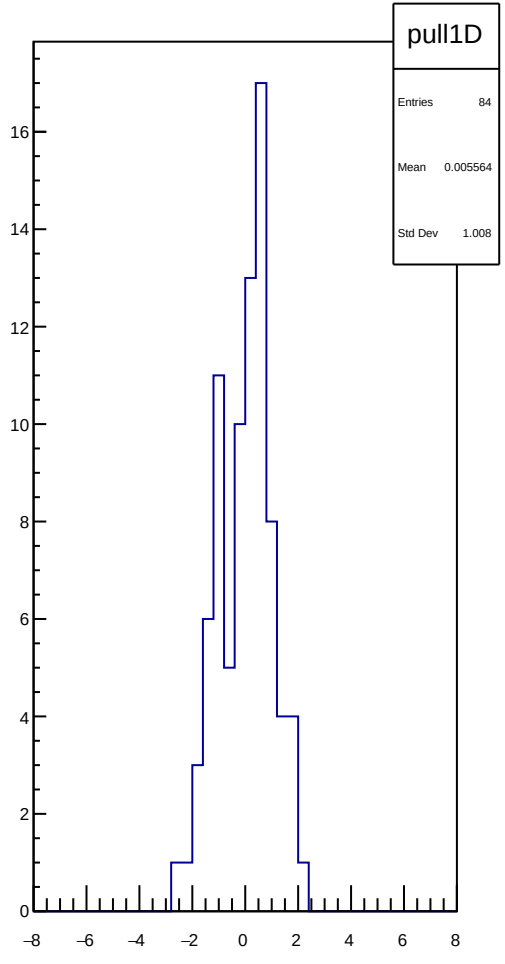

pull1D
Entries 84
Mean 0.007436
Std Dev 0.9949

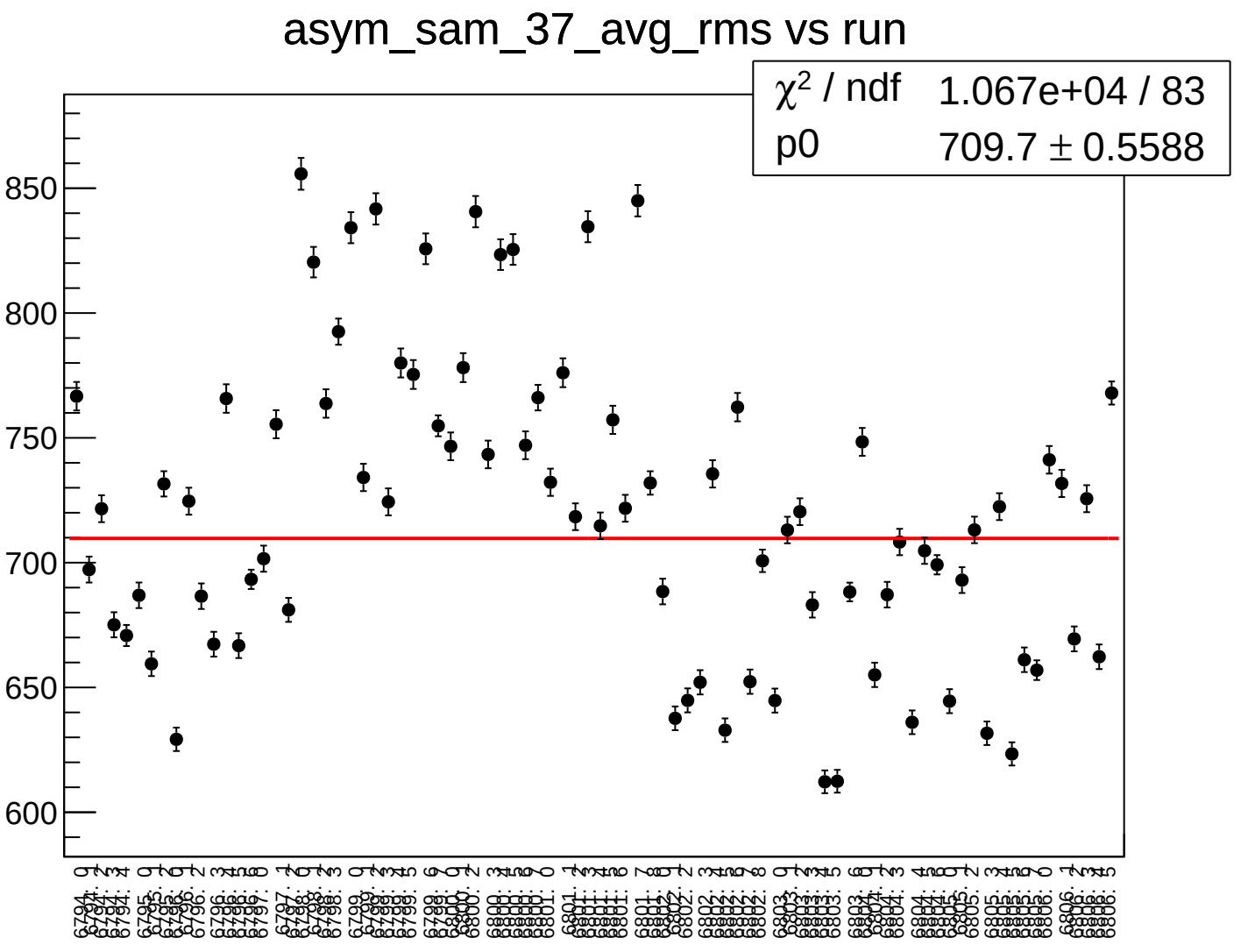

dit_asym_sam_37_avg_rms vs run
χ^2 / ndf 2.731e+04 / 83
p0 71.44 ± 0.05654
200
180
160
140
120
100
80
60

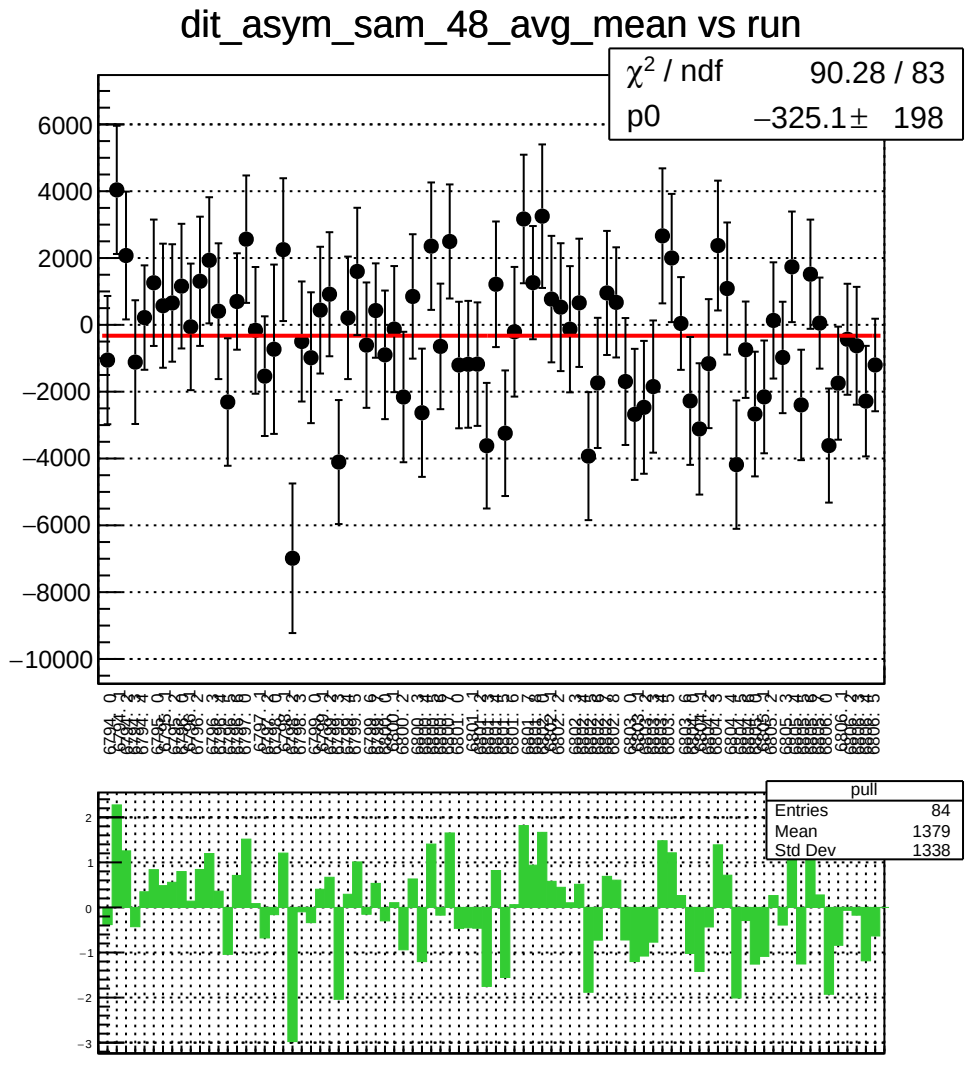

asym_sam_37_avg_correction_mean vs run
χ² / ndf 83.73 / 83
p0 −111.9 ± 792.1
20000
10000
0
−10000
−20000
pull
Entries 84
Mean 2031
Std Dev 2027
pull1D
Entries 84
Mean −0.0004219
Std Dev 0.9984

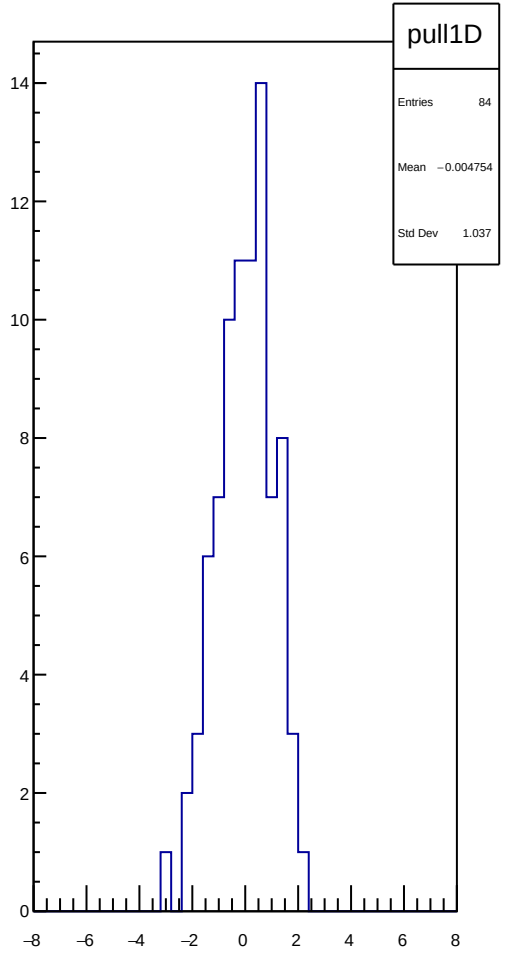

asym_sam_37_avg_correction_rms vs run
χ² / ndf 7752 / 83
p0 712 ± 0.5601
850
800
750
700
650
600

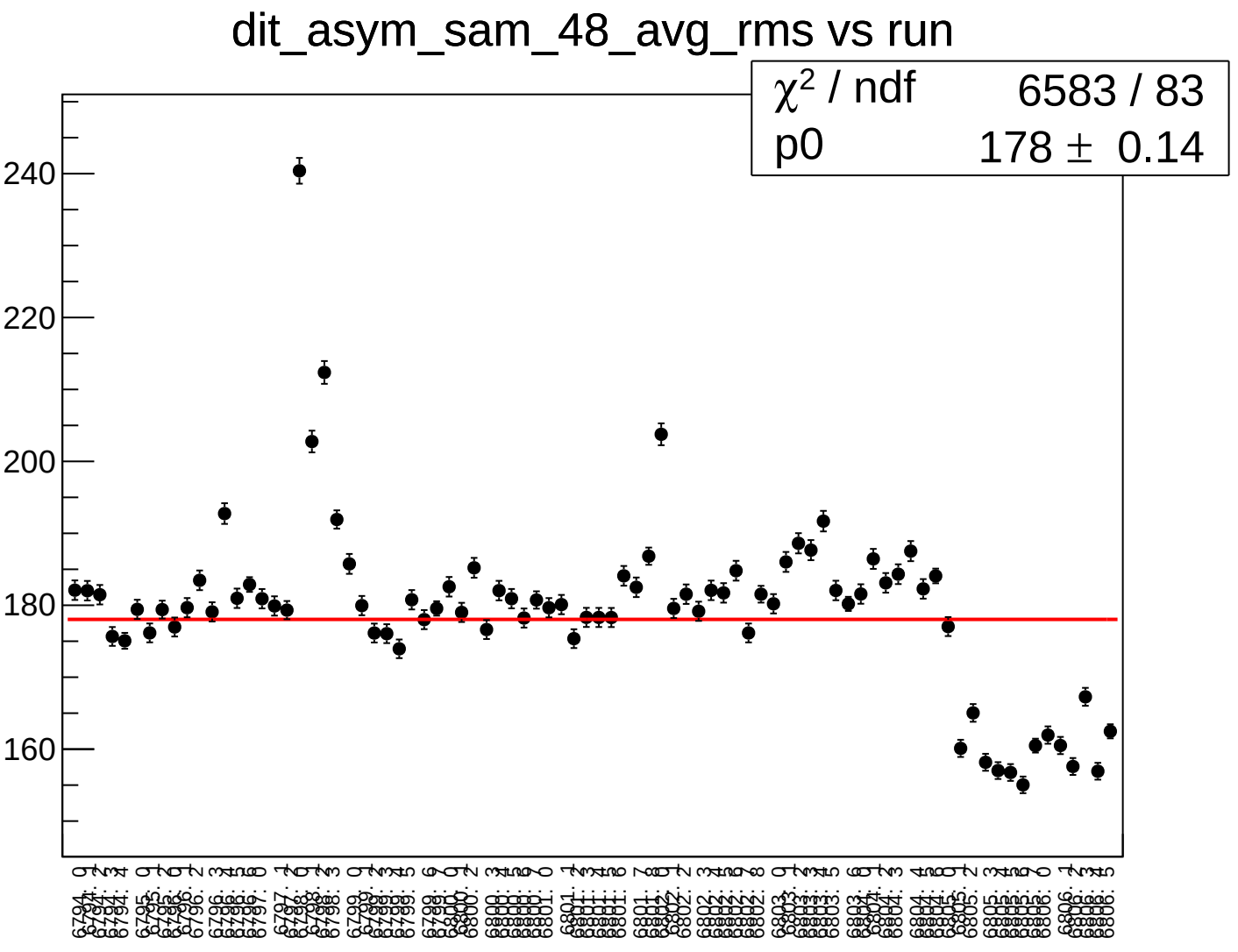

asym_sam_37_avg_mean vs run
χ² / ndf 85.4 / 83
p0 −207.8 ± 790.2
20000
10000
0
−10000
−20000
pull
Entries 84
Mean 100.6
Std Dev 123.1
2
1
0
−1
−2

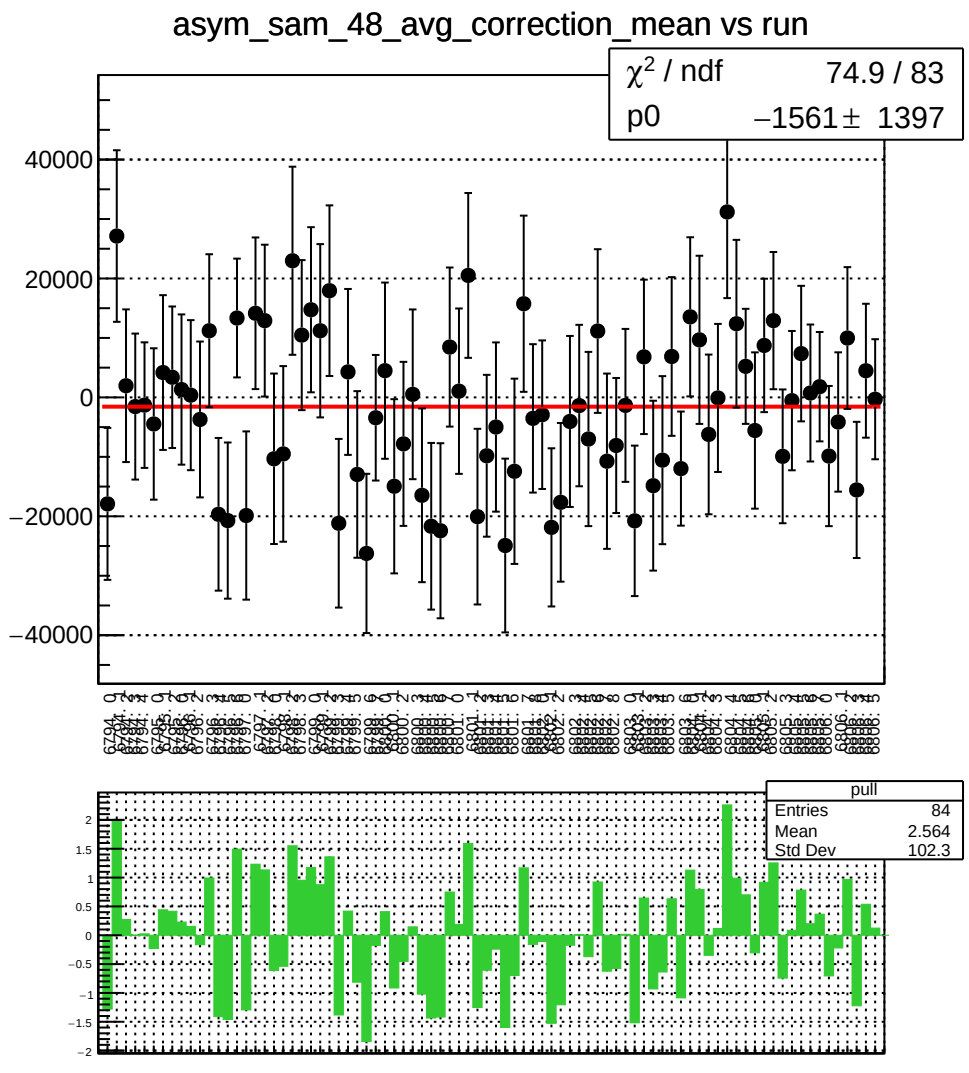

pull1D
Entries 84
Mean 0.005564
Std Dev 1.008
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

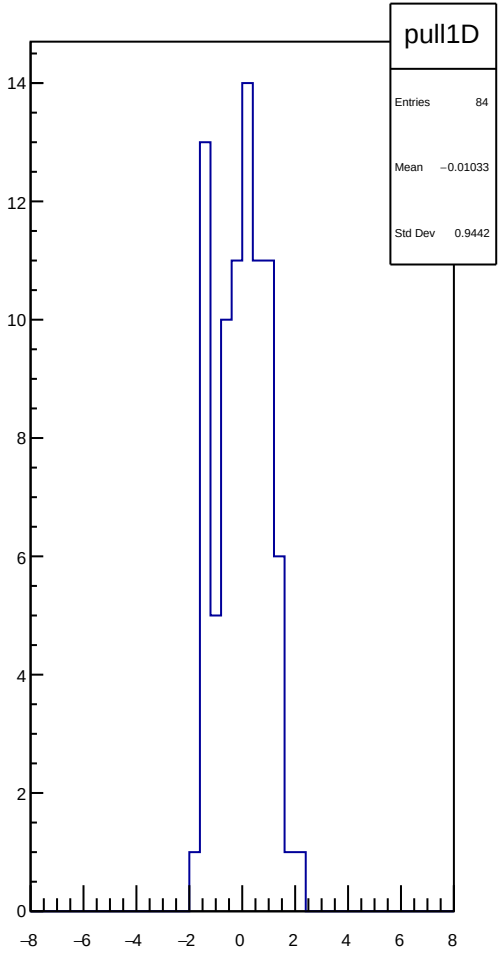

asym_sam_37_avg_rms vs run
χ^2 / ndf 1.067e+04 / 83
p0 709.7 ± 0.5588
850
800
750
700
650
600

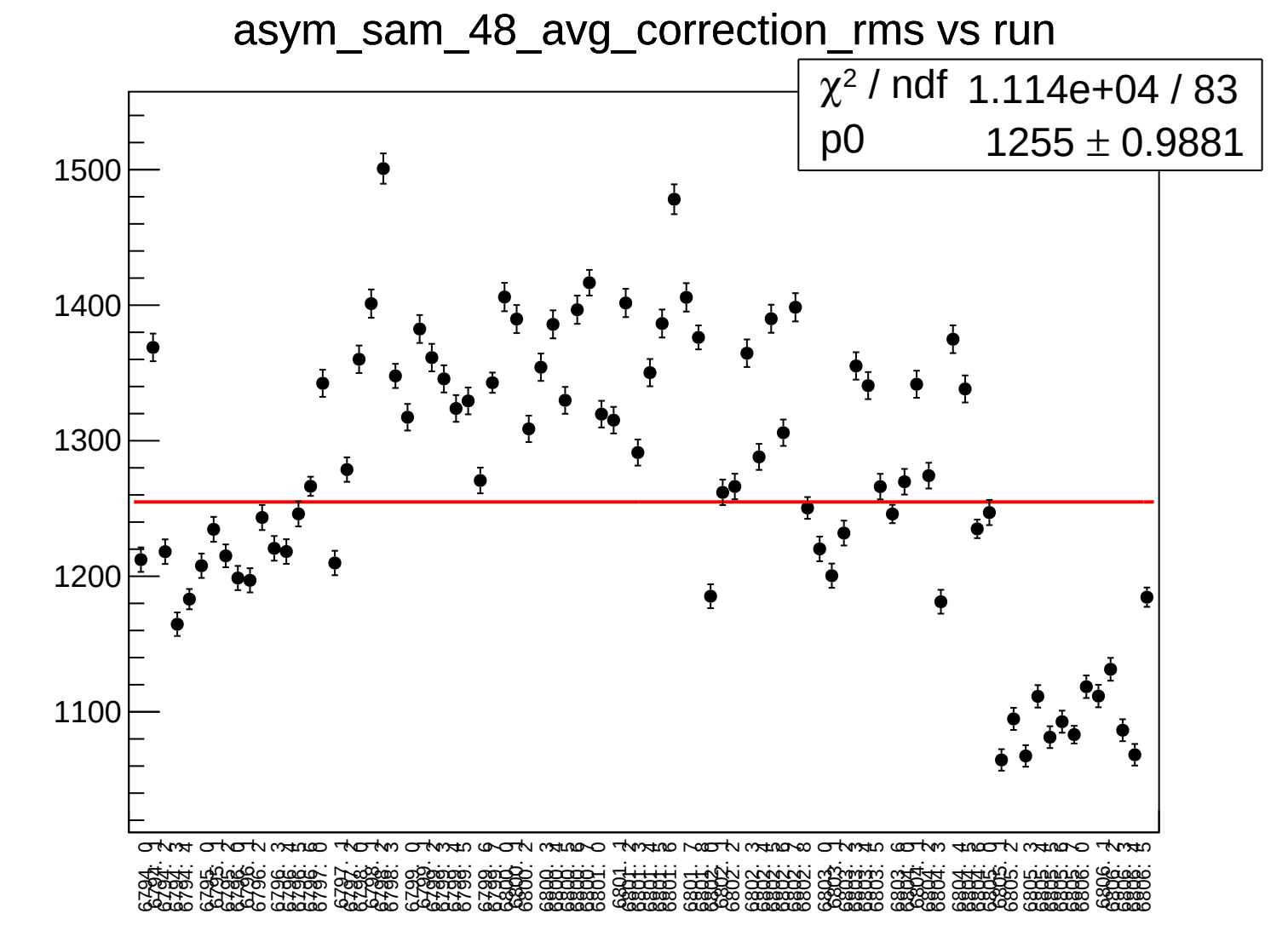

dit_asym_sam_48_avg_mean vs run
χ² / ndf 90.28 / 83
p0 −325.1± 198
pull
Entries 84
Mean 1379
Std Dev 1338

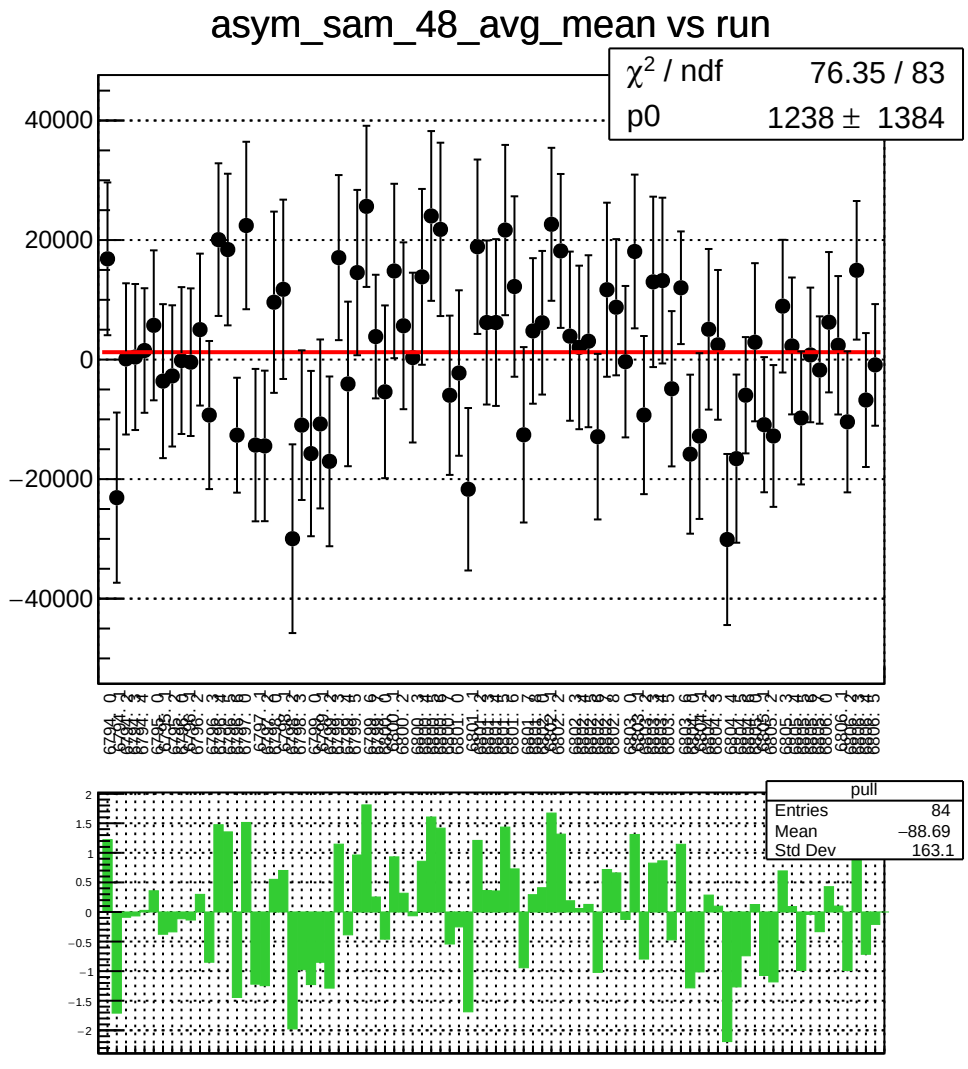

pull1D
Entries 84
Mean −0.004754
Std Dev 1.037

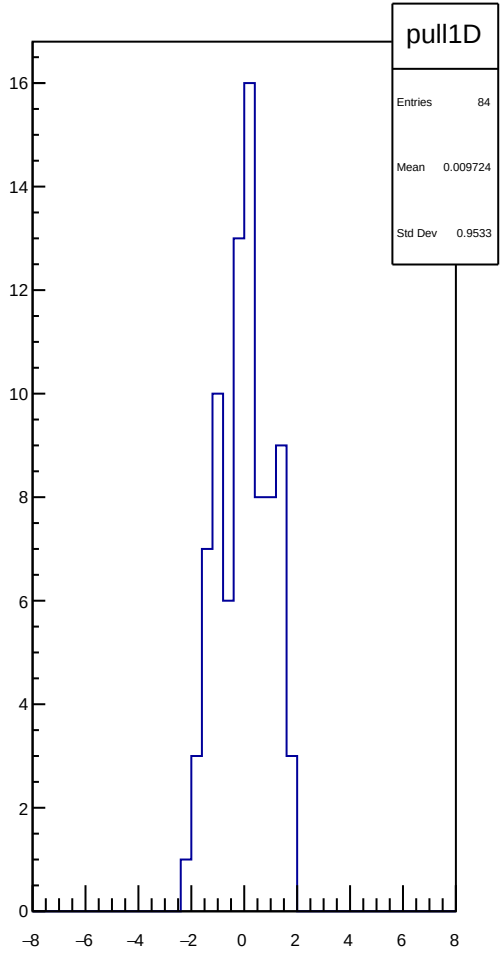

dit_asym_sam_48_avg_rms vs run
χ^2 / ndf 6583 / 83
p0 178 ± 0.14
240
220
200
180
160

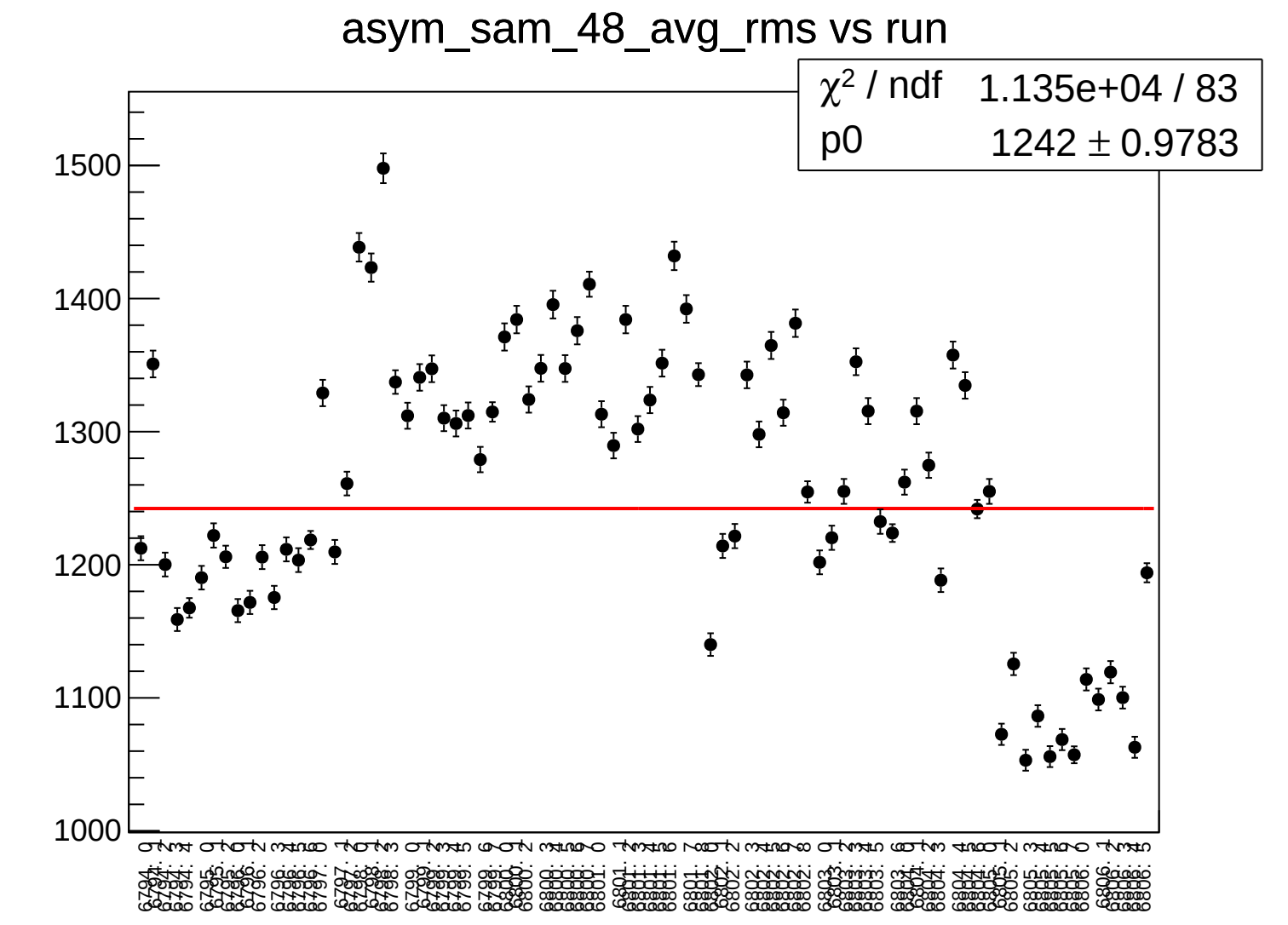

asym_sam_48_avg_correction_mean vs run
χ² / ndf 74.9 / 83
p0 −1561 ± 1397
40000
20000
0
−20000
−40000
pull
Entries 84
Mean 2.564
Std Dev 102.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

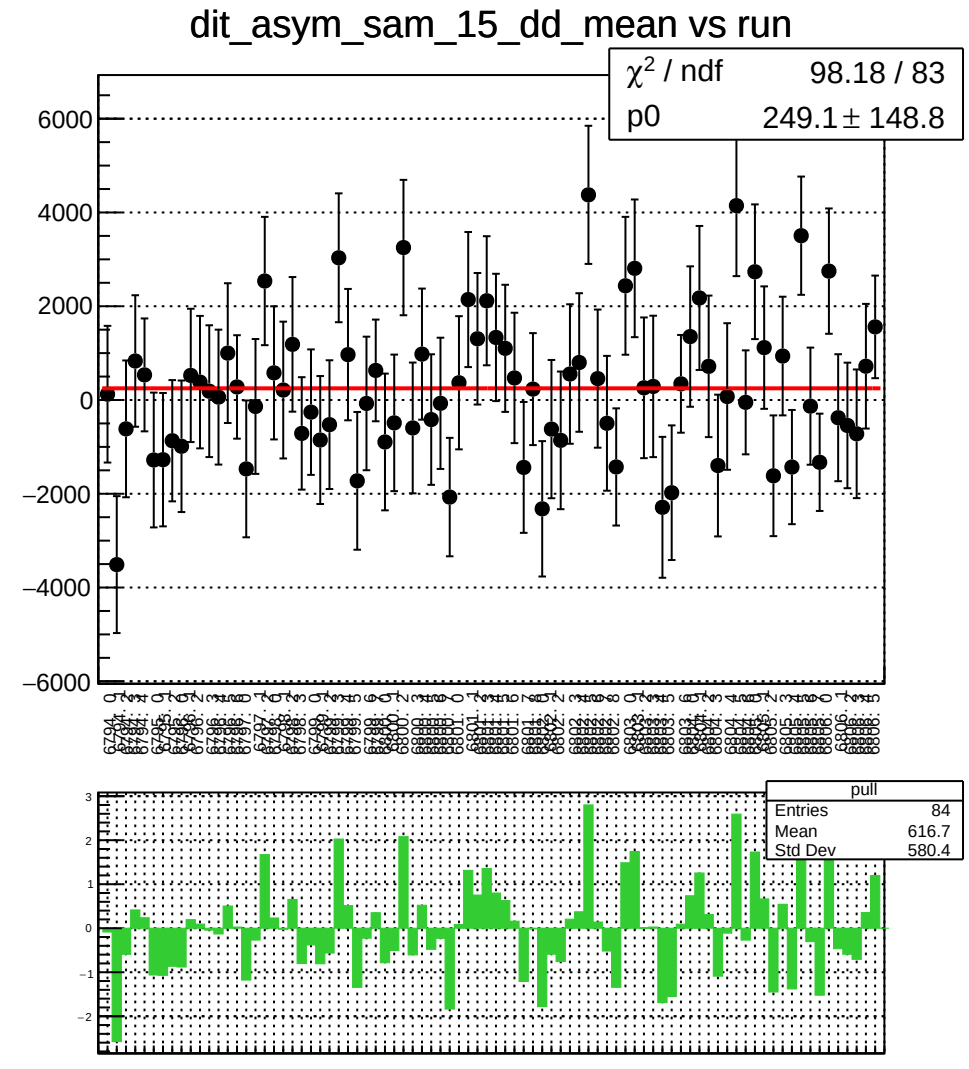

pull1D
Entries 84
Mean −0.01033
Std Dev 0.9442
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

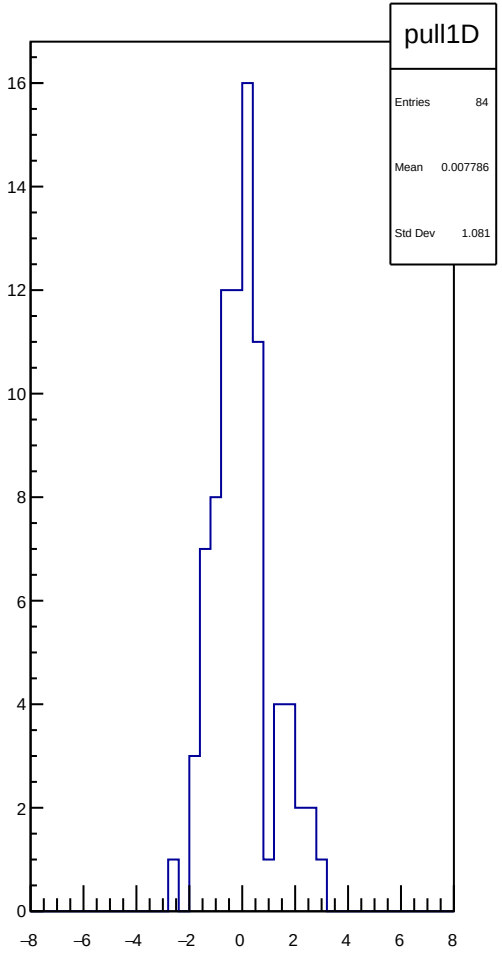

asym_sam_48_avg_correction_rms vs run
χ² / ndf 1.114e+04 / 83
p0 1255 ± 0.9881
1500
1400
1300
1200
1100

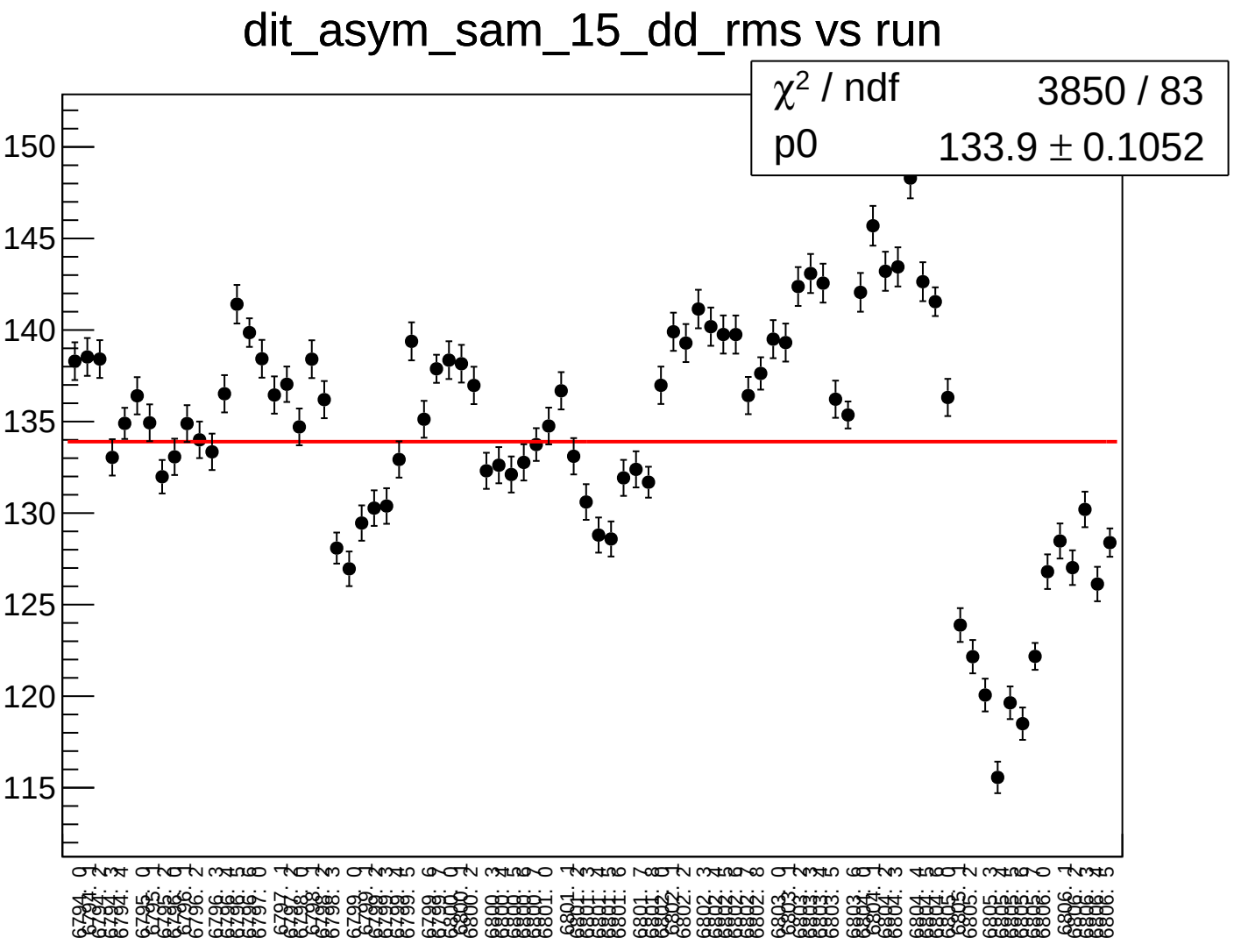

asym_sam_48_avg_mean vs run
χ² / ndf 76.35 / 83
p0 1238 ± 1384
40000
20000
0
−20000
−40000
pull
Entries 84
Mean −88.69
Std Dev 163.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

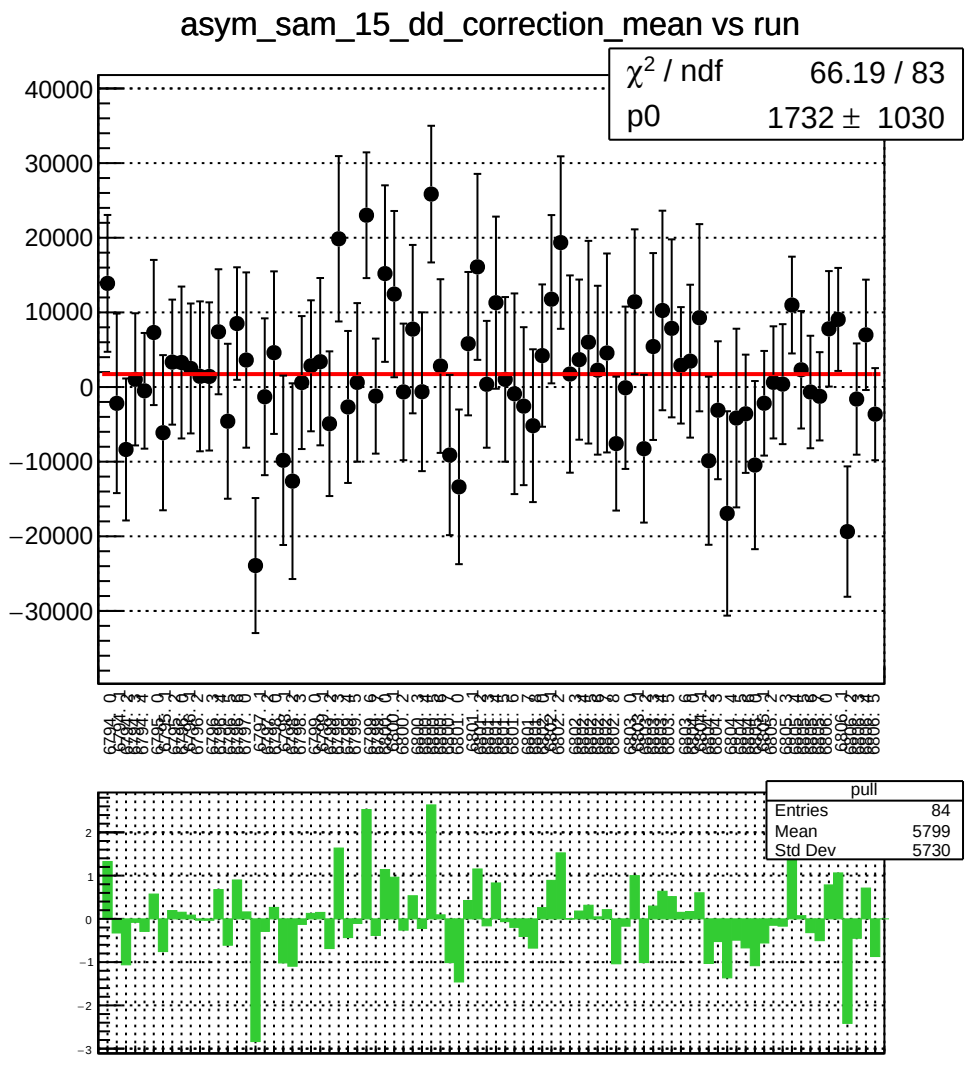

pull1D
Entries 84
Mean 0.009724
Std Dev 0.9533
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

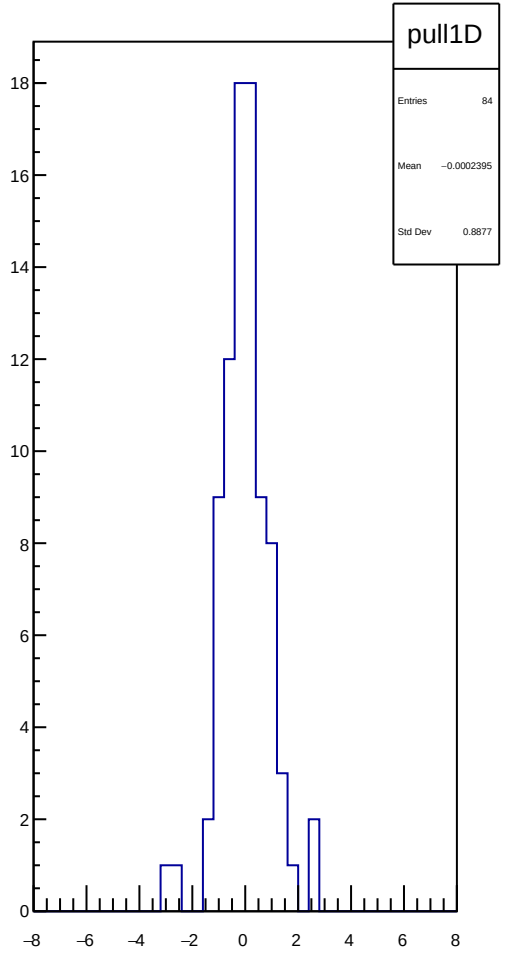

asym_sam_48_avg_rms vs run
χ² / ndf 1.135e+04 / 83
p0 1242 ± 0.9783
1500
1400
1300
1200
1100
1000

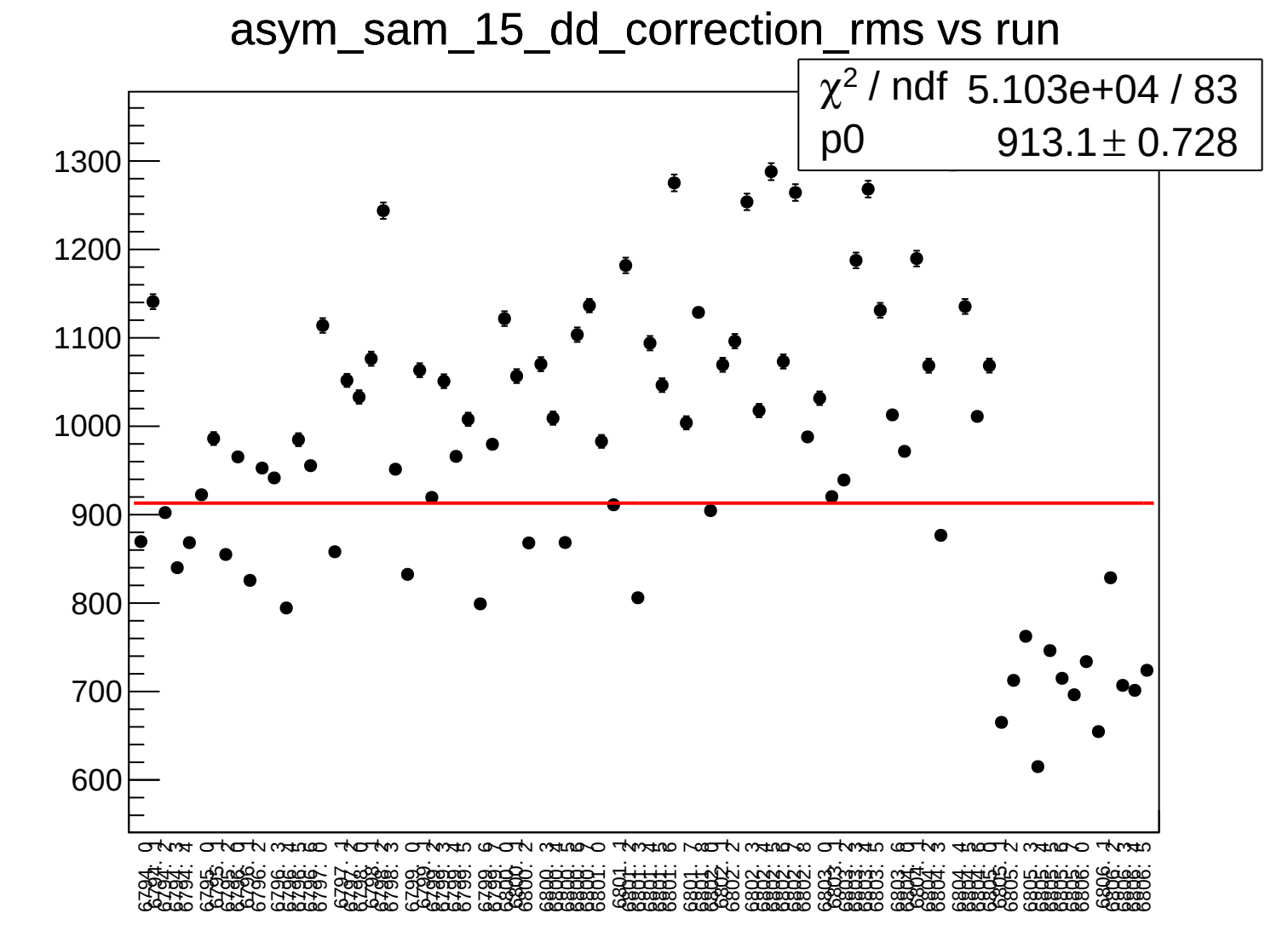

dit_asym_sam_15_dd_mean vs run
χ^2 / ndf 98.18 / 83
p0 249.1 ± 148.8
pull
Entries 84
Mean 616.7
Std Dev 580.4

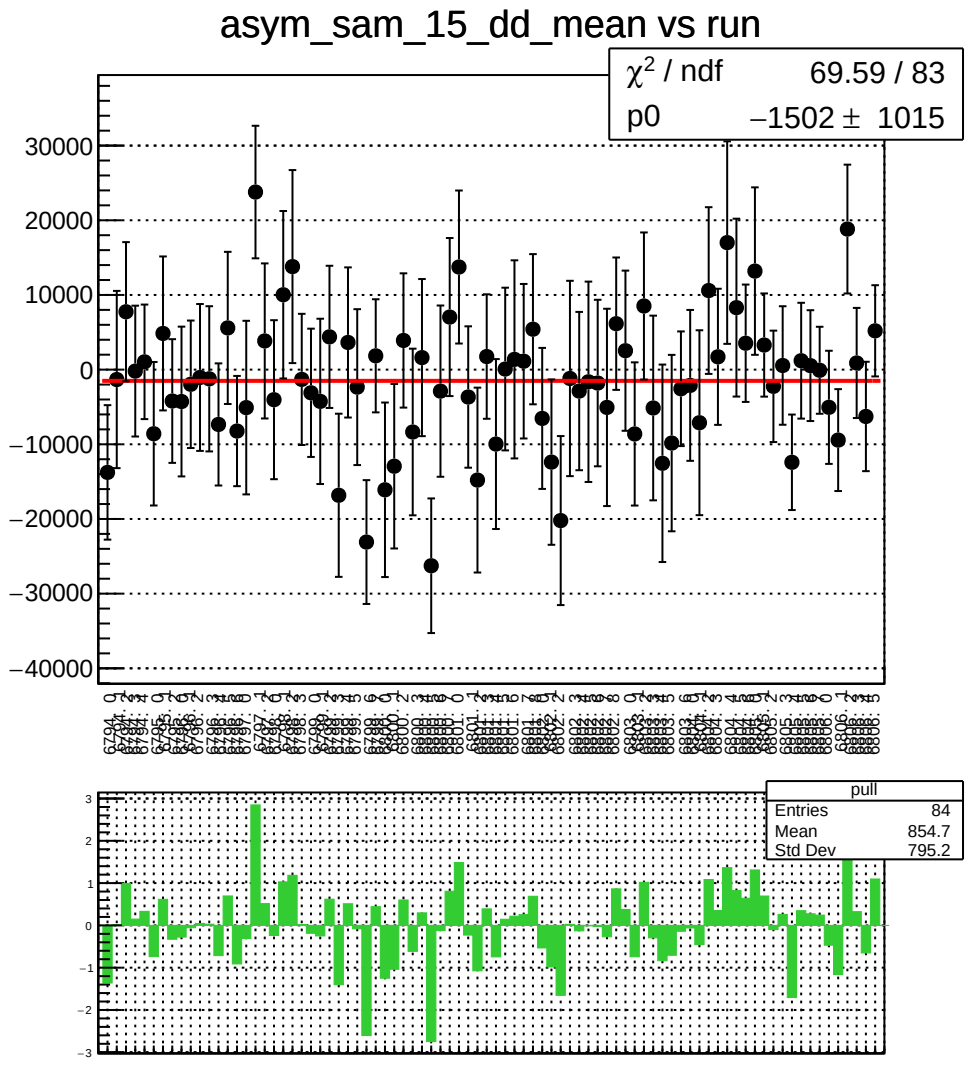

pull1D
Entries 84
Mean 0.007786
Std Dev 1.081

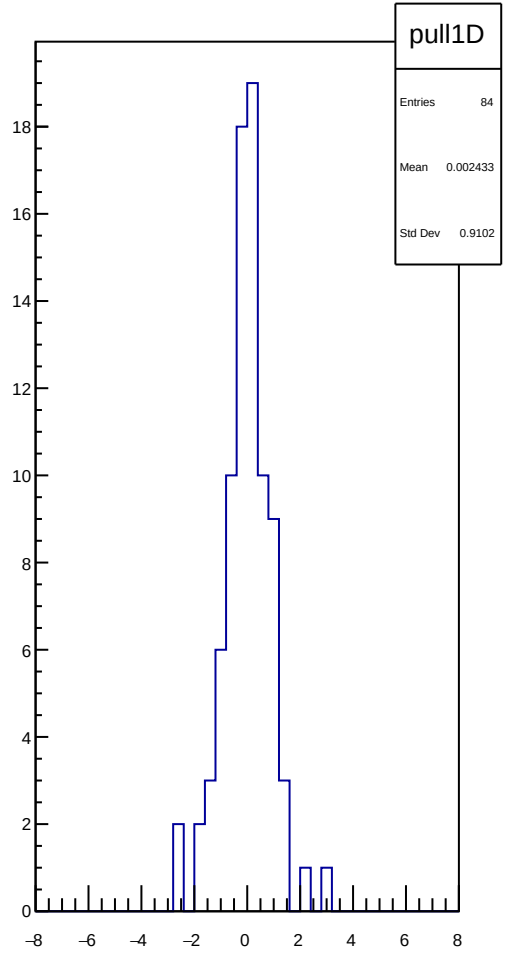

dit_asym_sam_15_dd_rms vs run
χ² / ndf 3850 / 83
p0 133.9 ± 0.1052
150
145
140
135
130
125
120
115

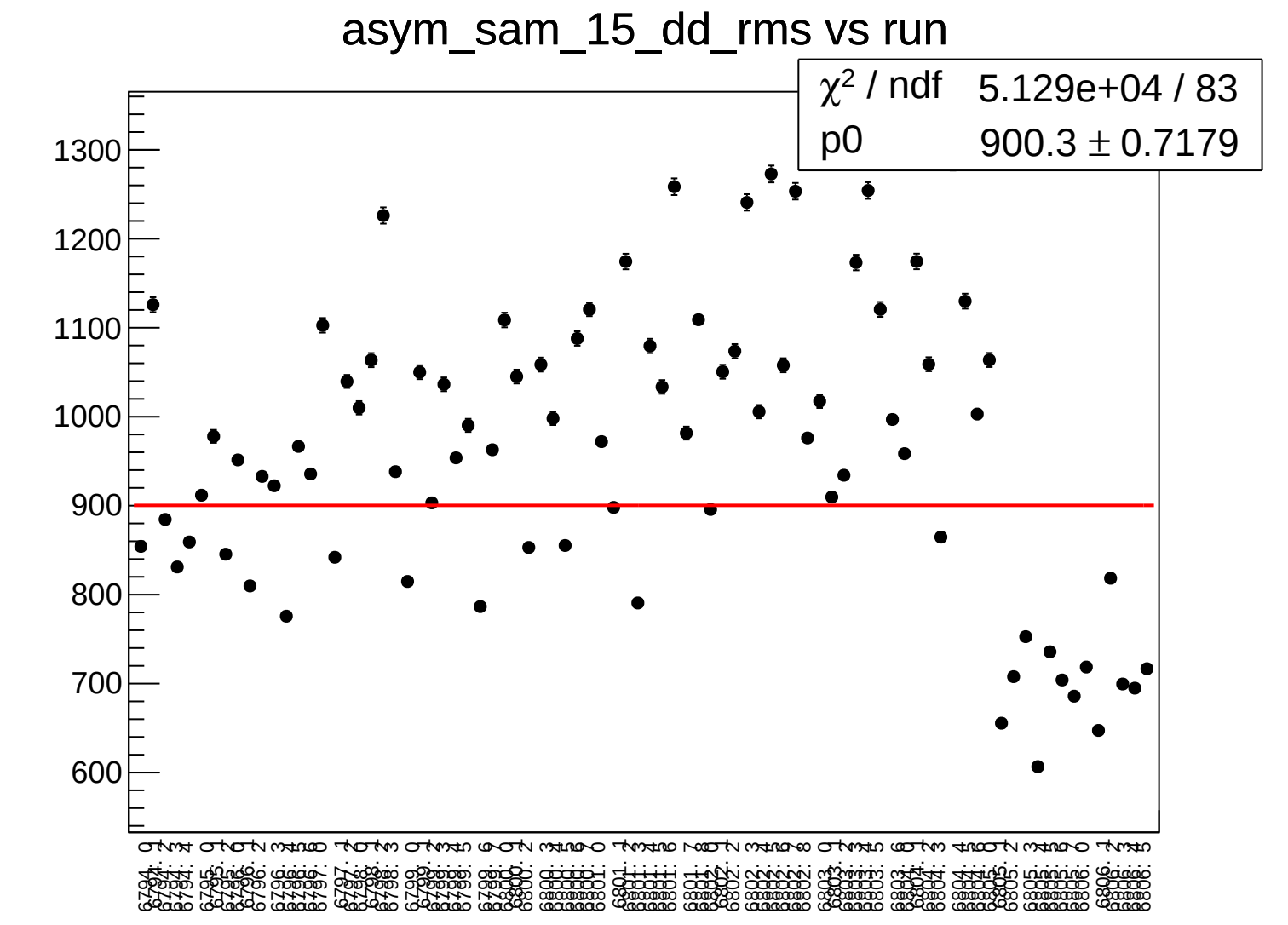

asym_sam_15_dd_correction_mean vs run
χ² / ndf 66.19 / 83
p0 1732 ± 1030
pull
Entries 84
Mean 5799
Std Dev 5730

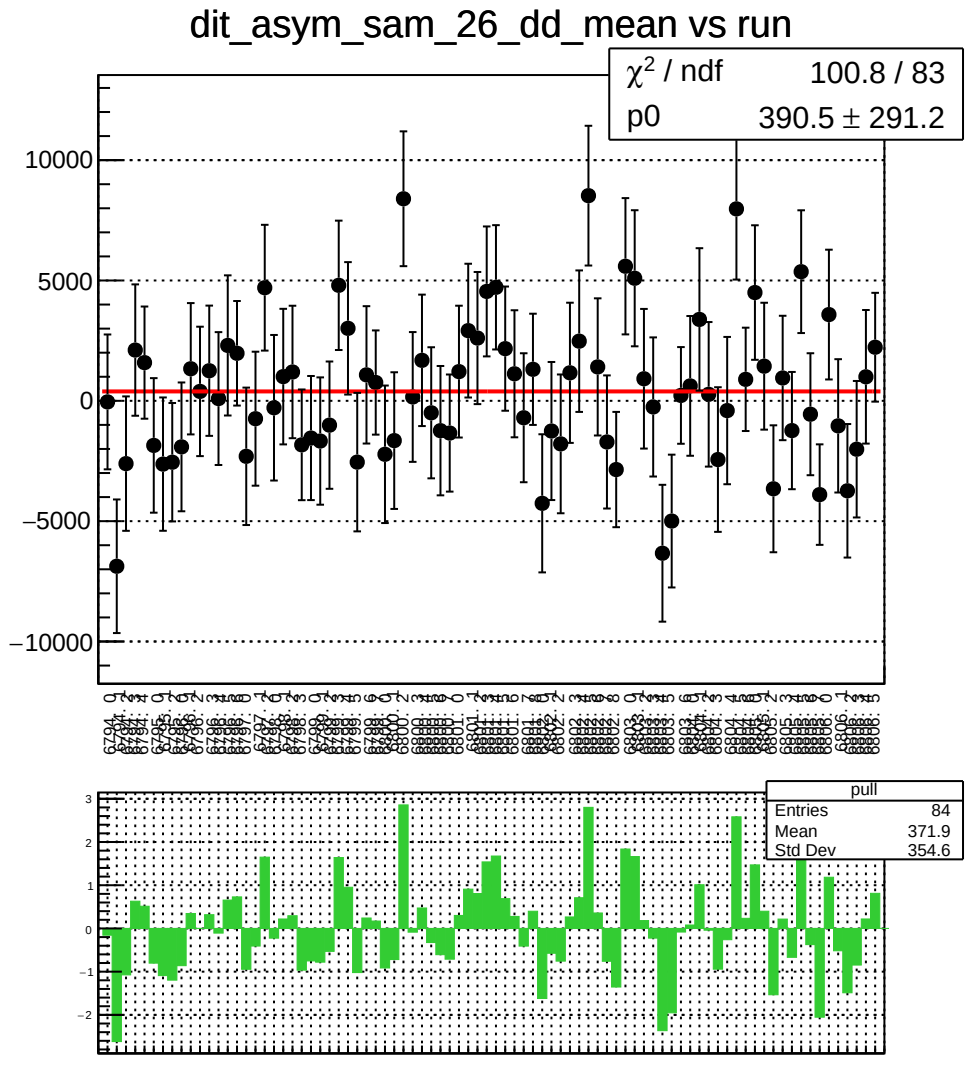

pull1D
Entries 84
Mean −0.0002395
Std Dev 0.8877

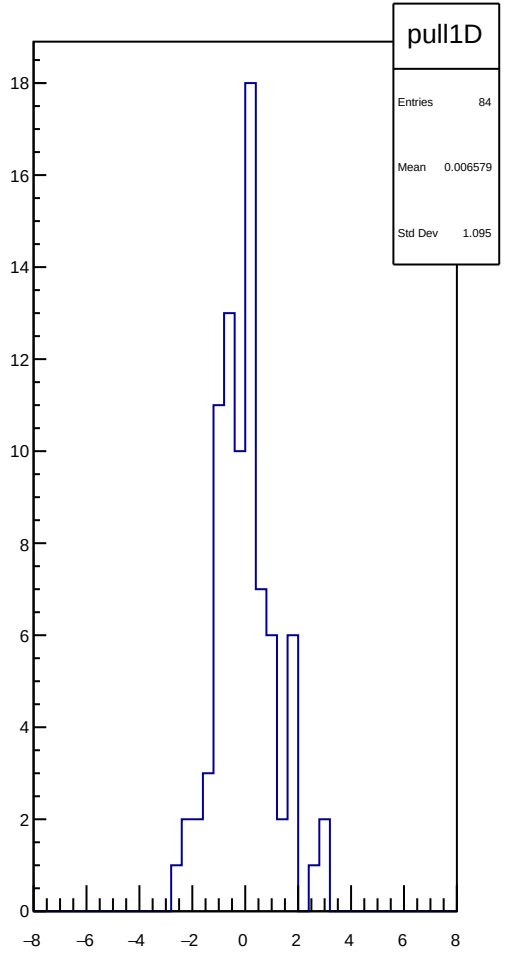

asym_sam_15_dd_correction_rms vs run
χ² / ndf 5.103e+04 / 83
p0 913.1 ± 0.728
1300
1200
1100
1000
900
800
700
600

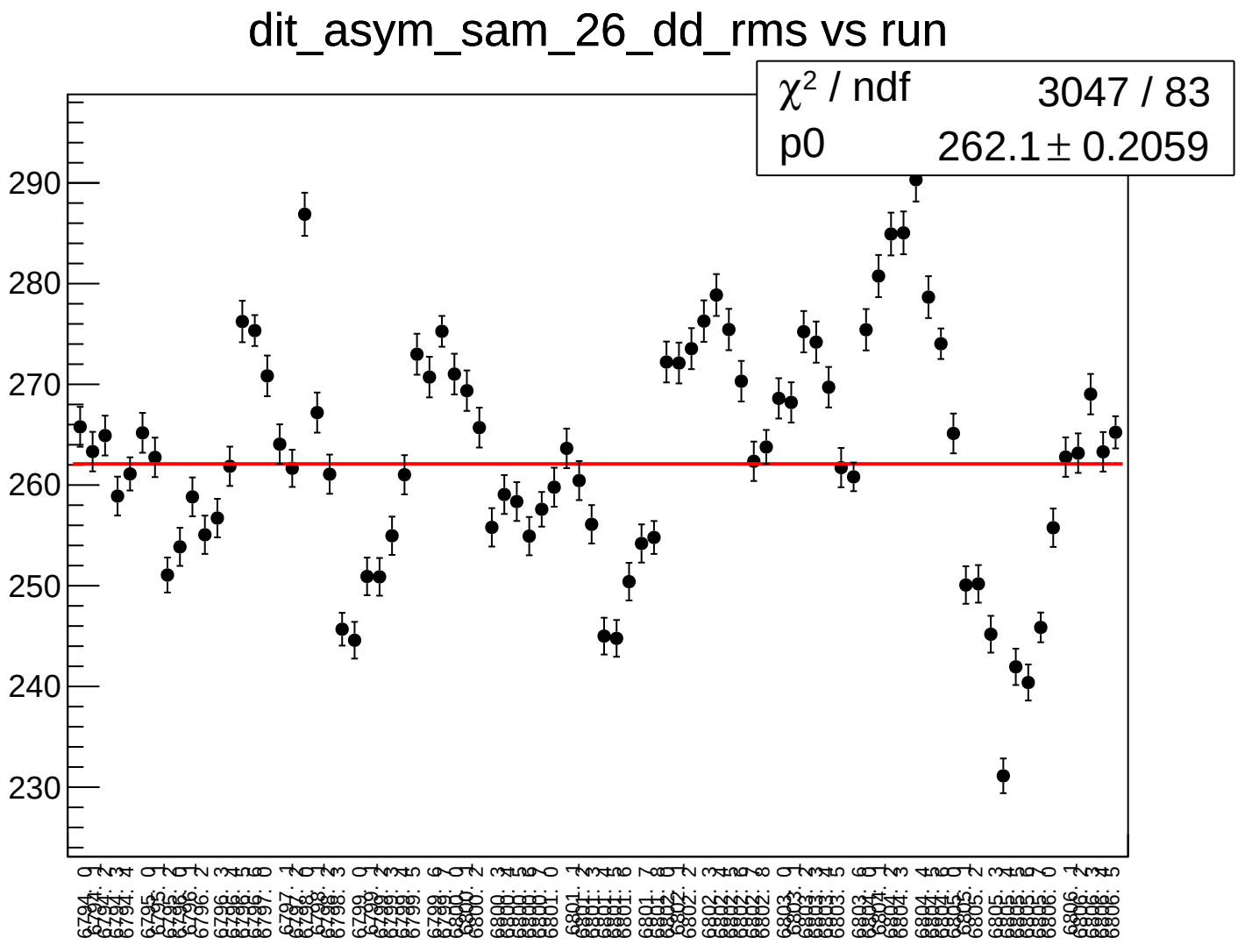

asym_sam_15_dd_mean vs run
χ² / ndf 69.59 / 83
p0 −1502 ± 1015
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 84
Mean 854.7
Std Dev 795.2
3
2
1
0
−1
−2
−3

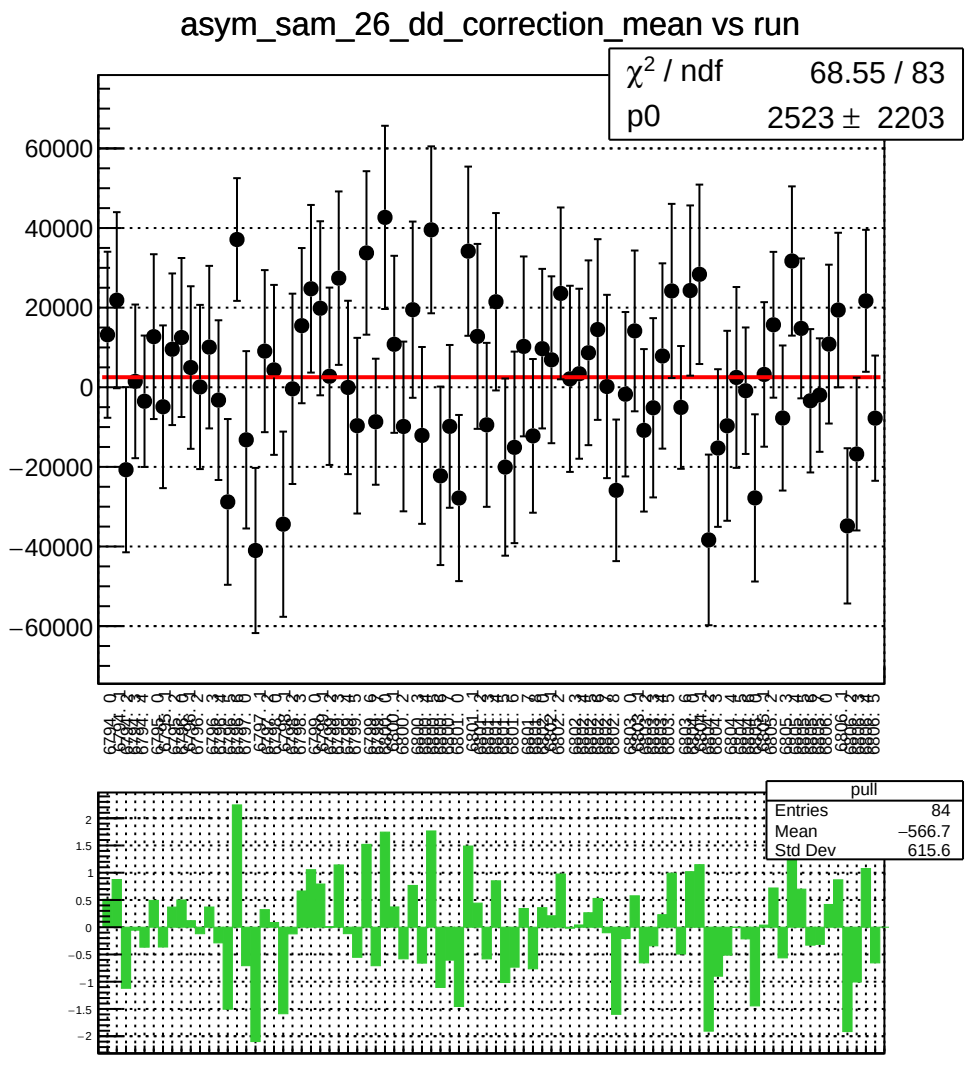

pull1D
Entries 84
Mean 0.002433
Std Dev 0.9102
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

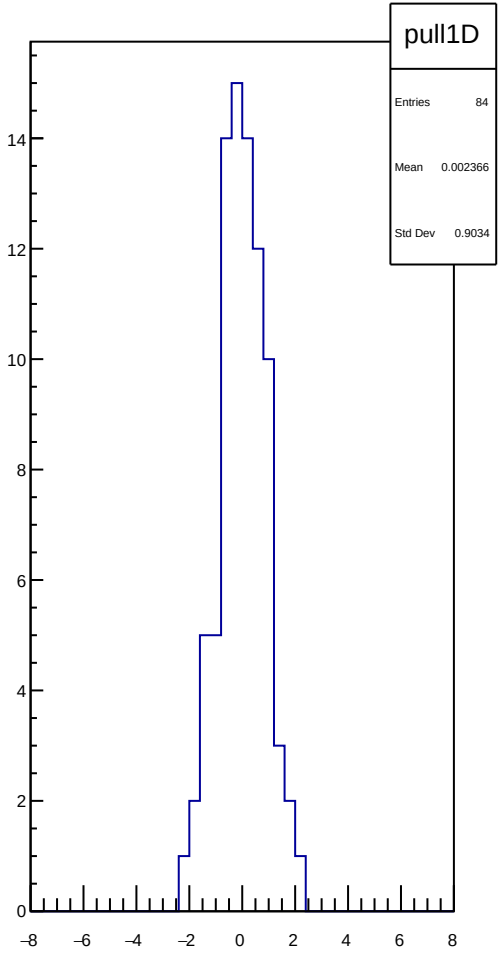

asym_sam_15_dd_rms vs run
χ^2 / ndf 5.129e+04 / 83
p0 900.3 ± 0.7179
1300
1200
1100
1000
900
800
700
600

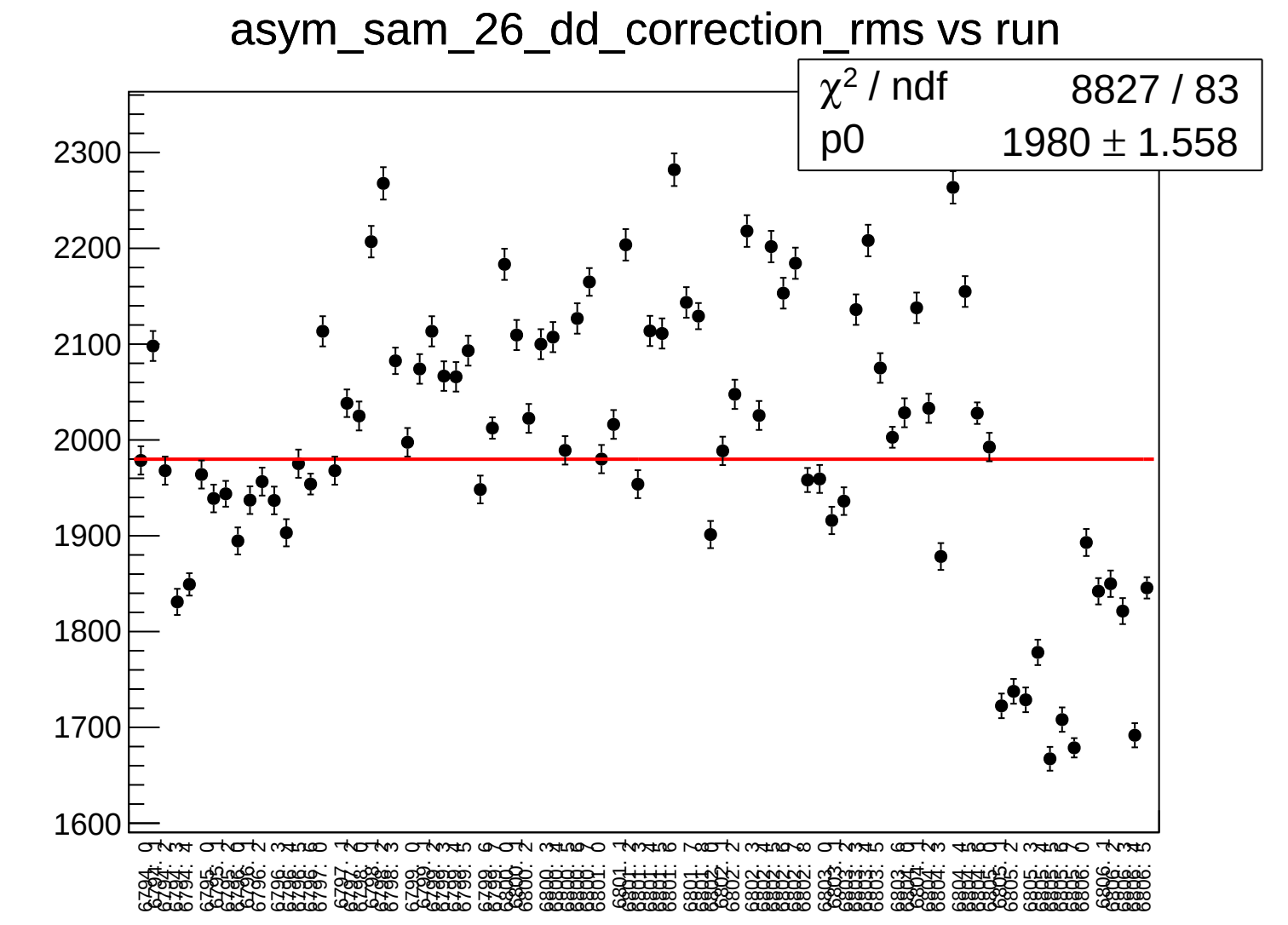

dit_asym_sam_26_dd_mean vs run
χ² / ndf 100.8 / 83
p0 390.5 ± 291.2
10000
5000
0
−5000
−10000
pull
Entries 84
Mean 371.9
Std Dev 354.6
3
2
1
0
−1
−2

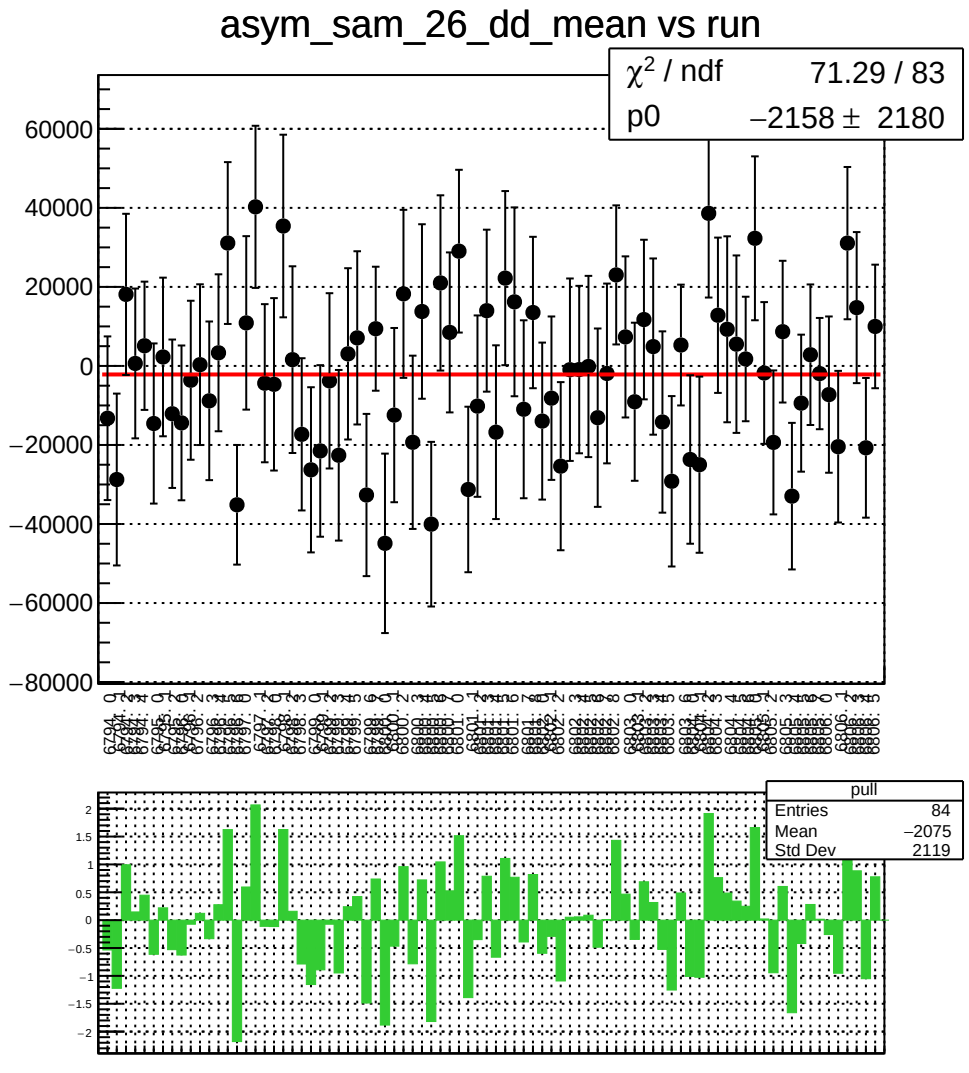

pull1D
Entries 84
Mean 0.006579
Std Dev 1.095
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

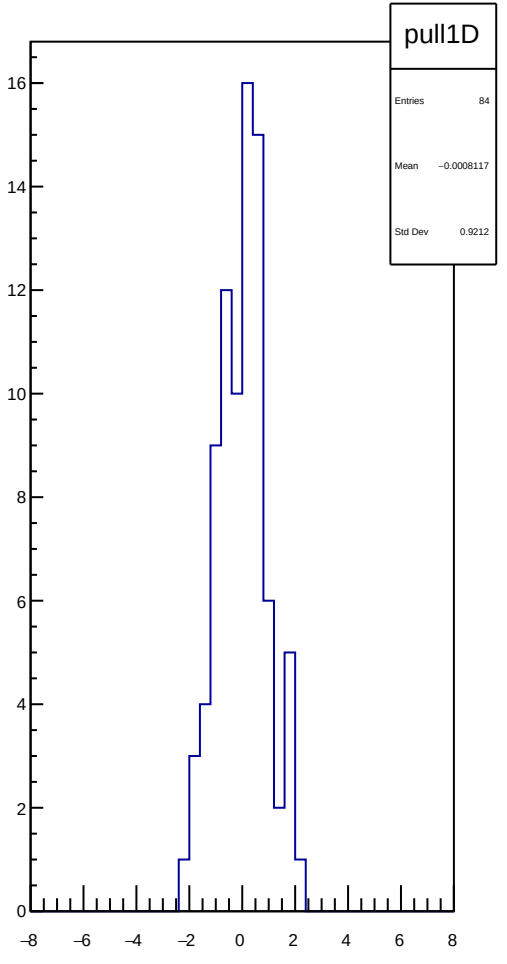

dit_asym_sam_26_dd_rms vs run
χ² / ndf 3047 / 83
p0 262.1 ± 0.2059
290
280
270
260
250
240
230

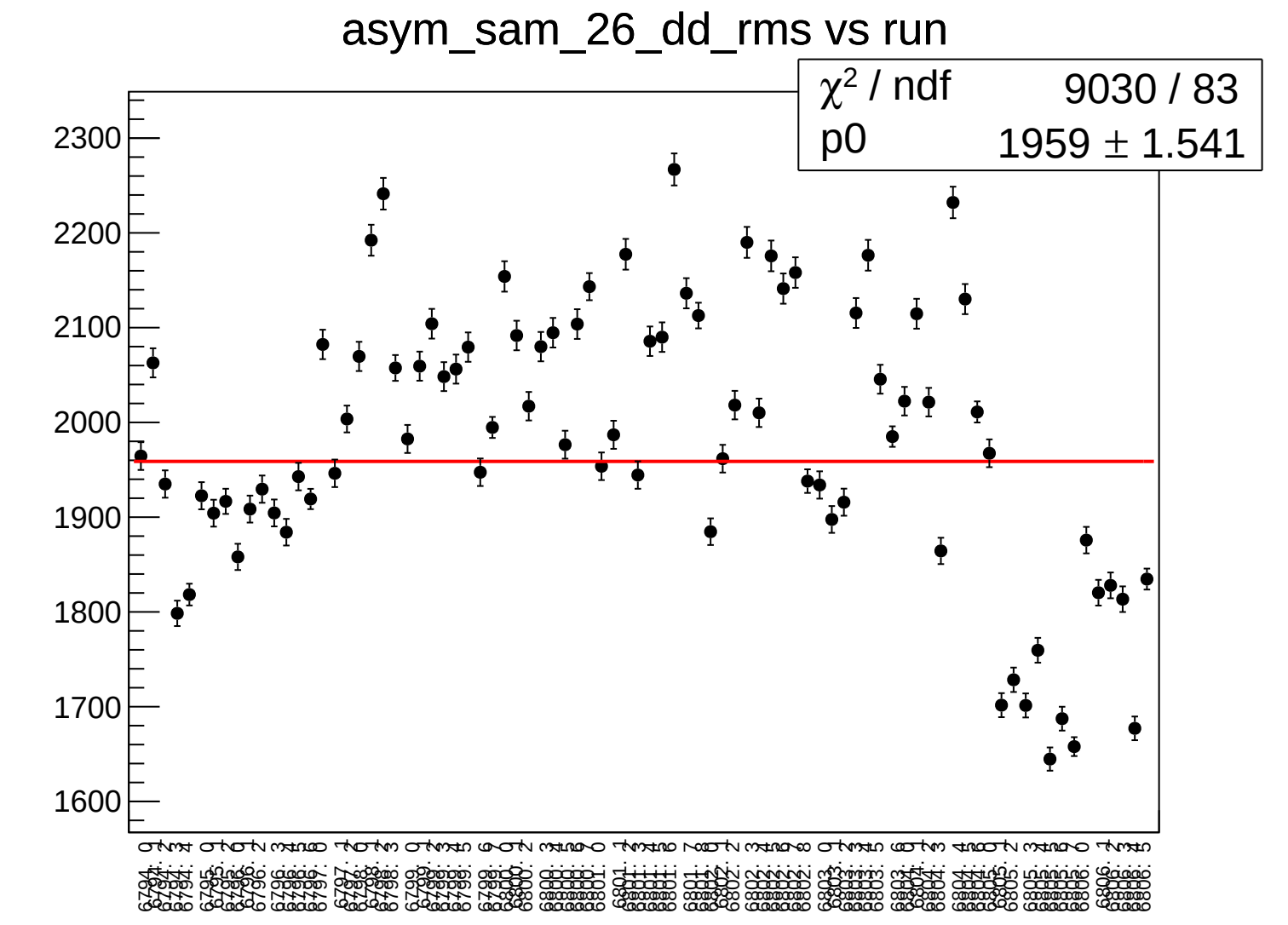

asym_sam_26_dd_correction_mean vs run
χ² / ndf 68.55 / 83
p0 2523 ± 2203
pull
Entries 84
Mean −566.7
Std Dev 615.6

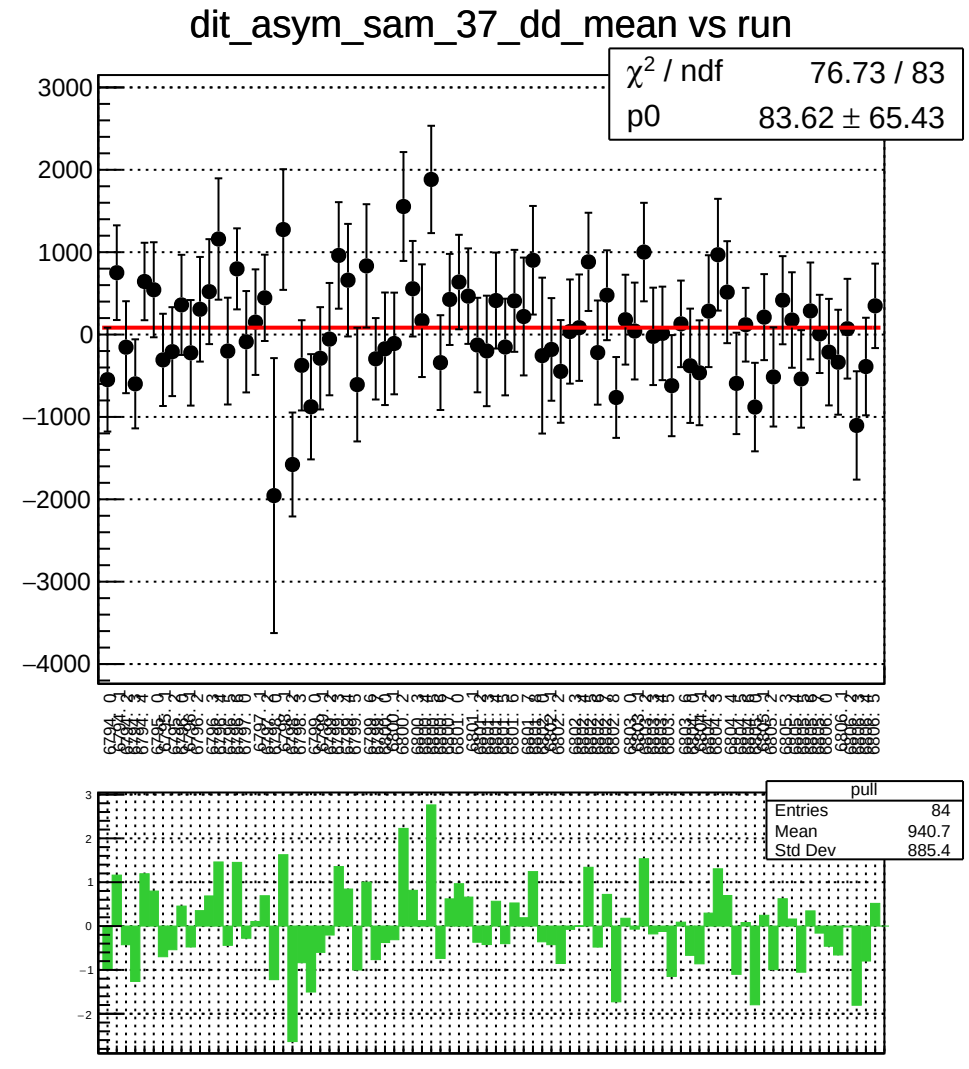

pull1D
Entries 84
Mean 0.002366
Std Dev 0.9034

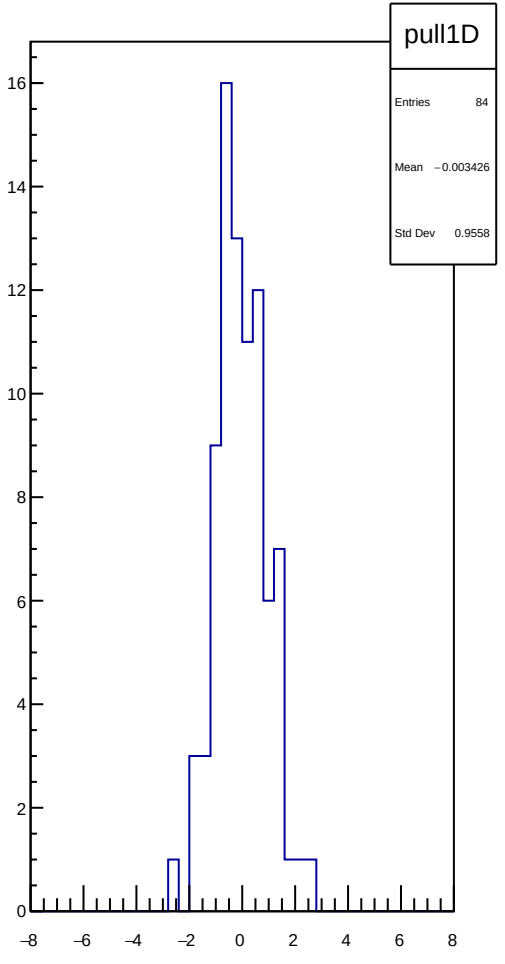

asym_sam_26_dd_correction_rms vs run
χ² / ndf 8827 / 83
p0 1980 ± 1.558
2300
2200
2100
2000
1900
1800
1700
1600

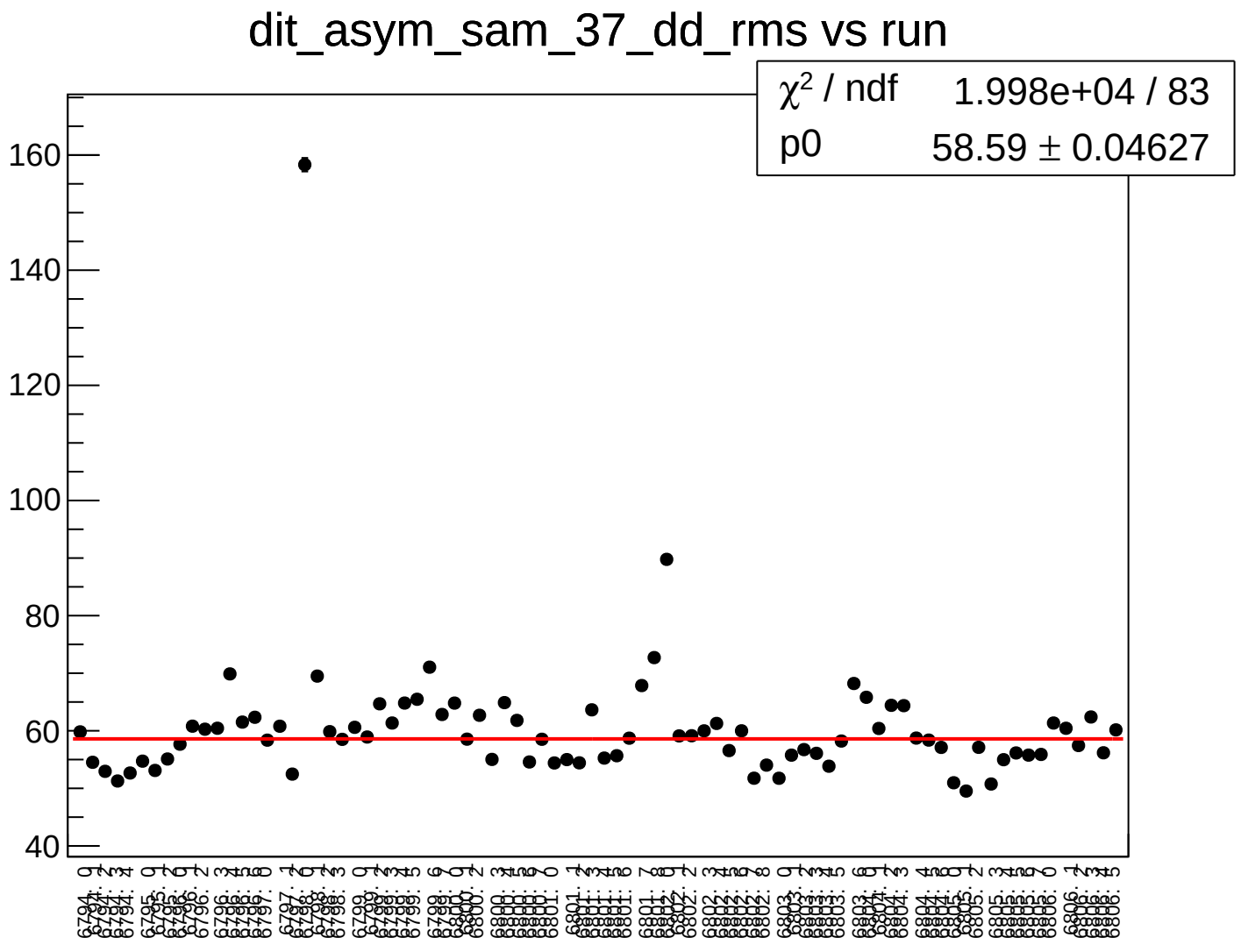

asym_sam_26_dd_mean vs run
χ² / ndf 71.29 / 83
p0 −2158 ± 2180
pull
Entries 84
Mean −2075
Std Dev 2119

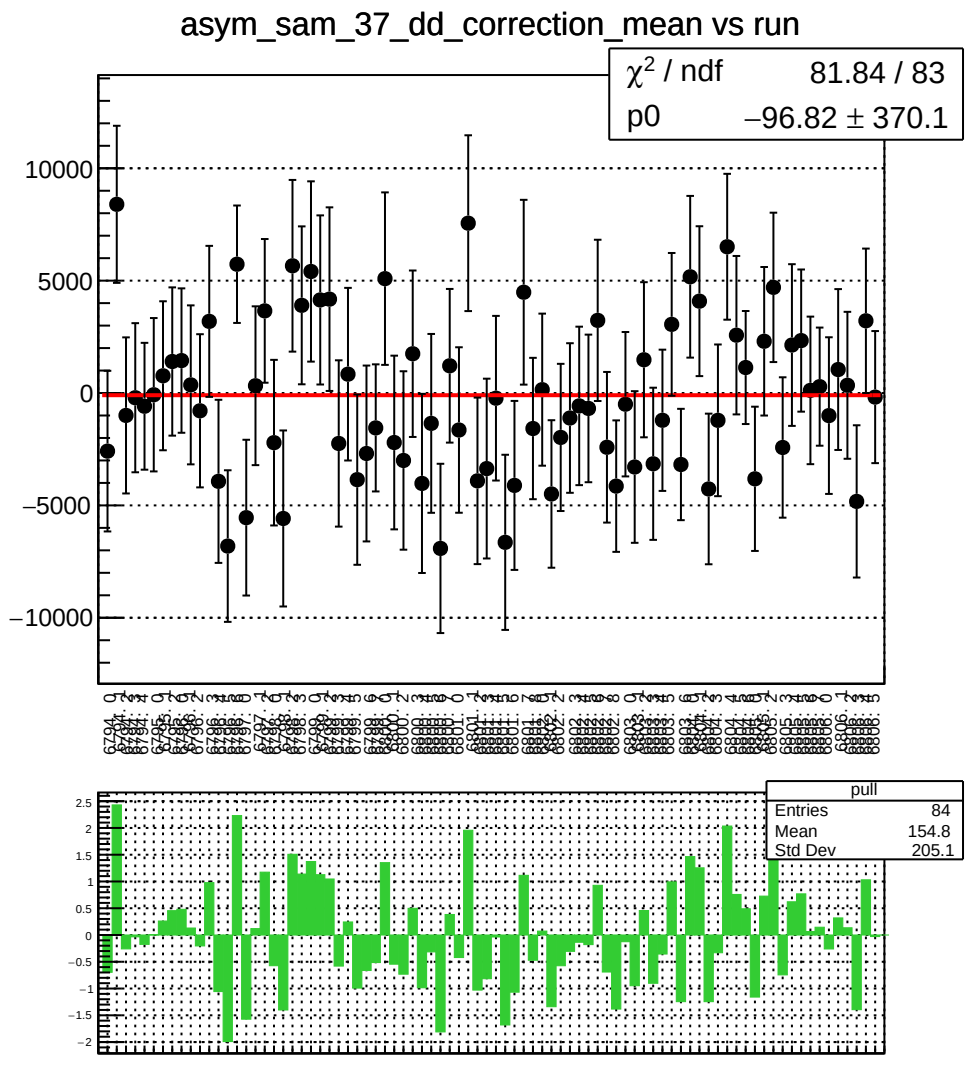

pull1D
Entries 84
Mean −0.0008117
Std Dev 0.9212

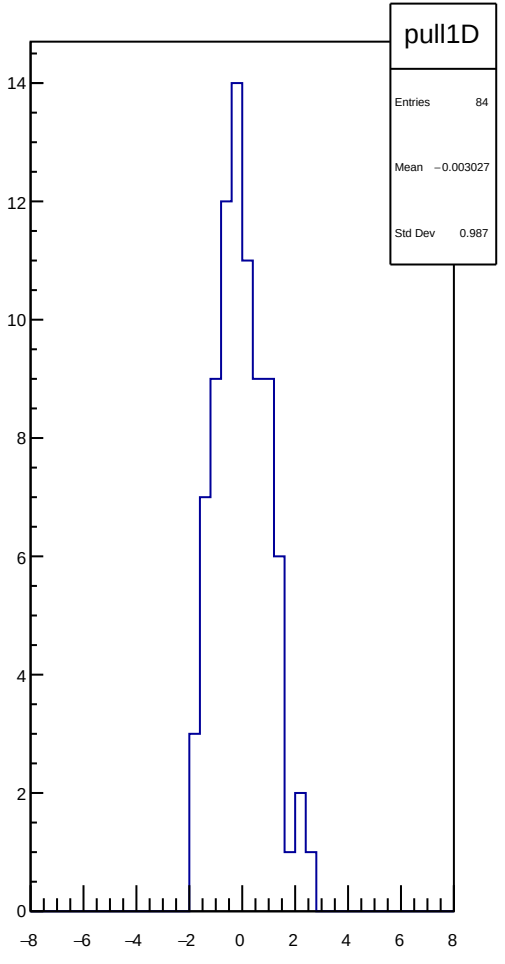

asym_sam_26_dd_rms vs run
χ^2 / ndf 9030 / 83
p0 1959 ± 1.541
2300
2200
2100
2000
1900
1800
1700
1600

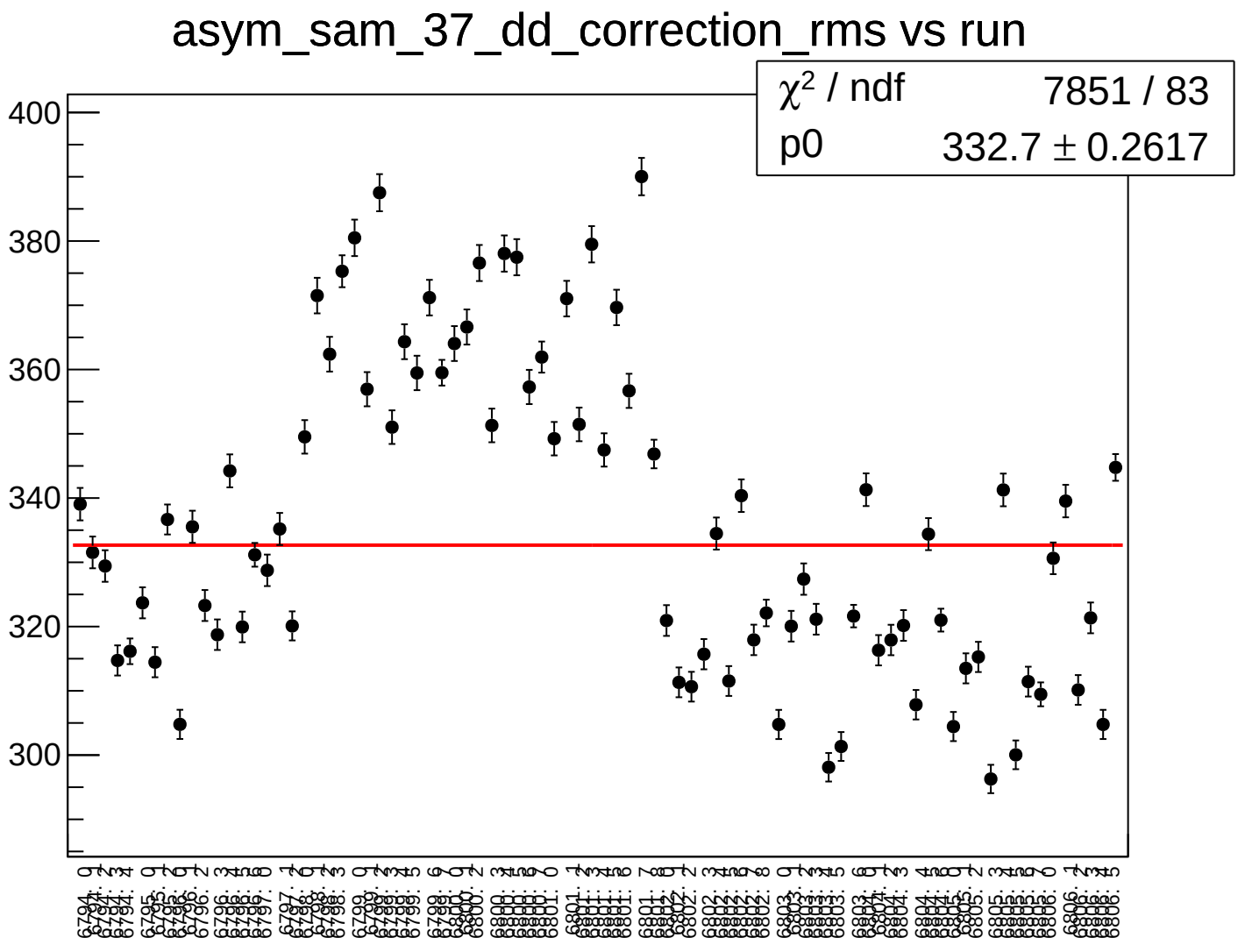

dit_asym_sam_37_dd_mean vs run
χ² / ndf 76.73 / 83
p0 83.62 ± 65.43
pull
Entries 84
Mean 940.7
Std Dev 885.4

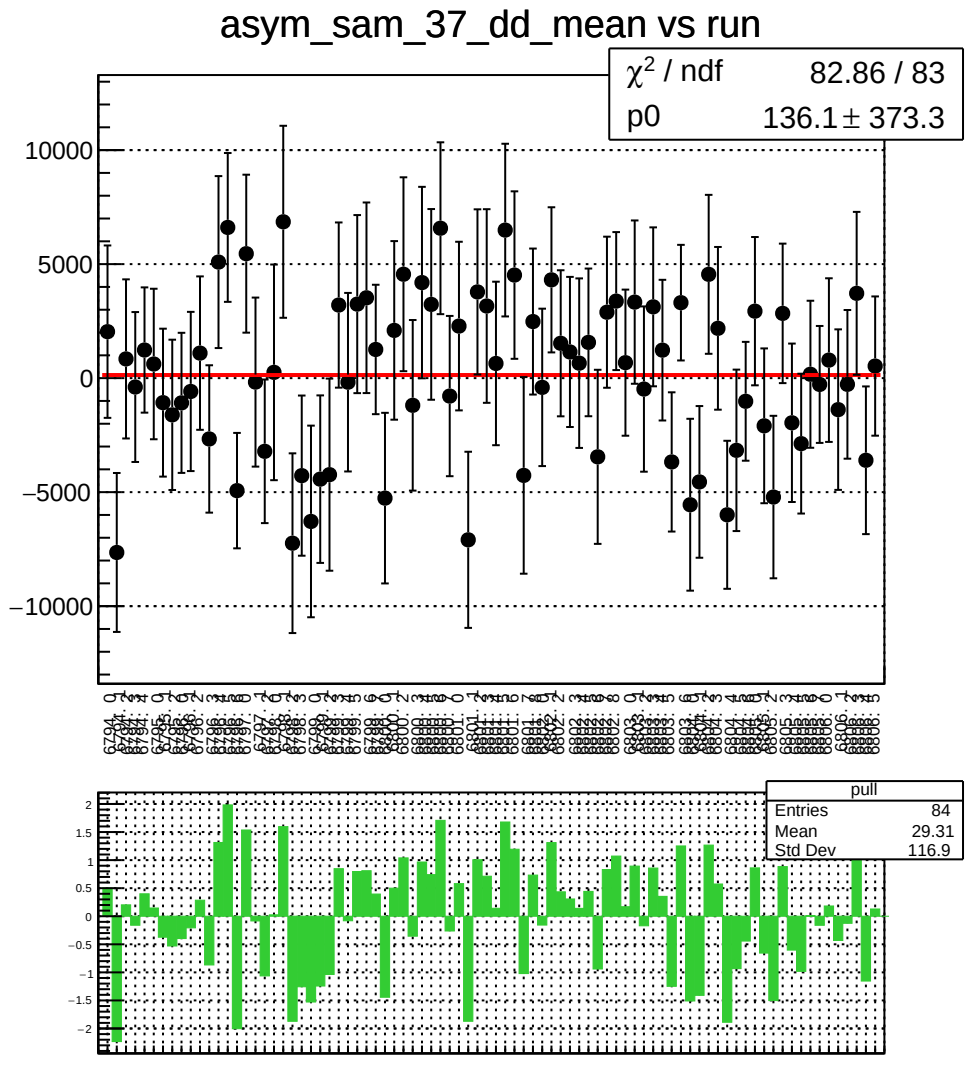

pull1D
Entries 84
Mean −0.003426
Std Dev 0.9558

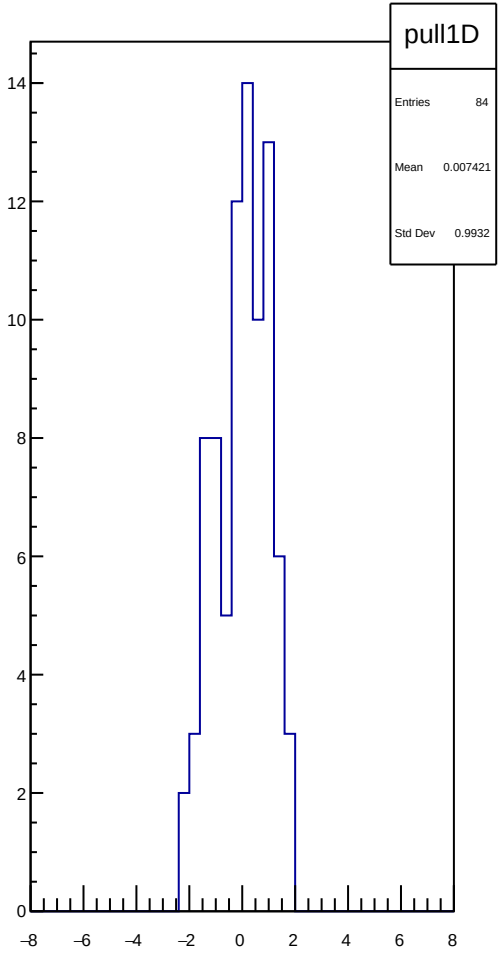

dit_asym_sam_37_dd_rms vs run
χ² / ndf 1.998e+04 / 83
p0 58.59 ± 0.04627
160
140
120
100
80
60
40

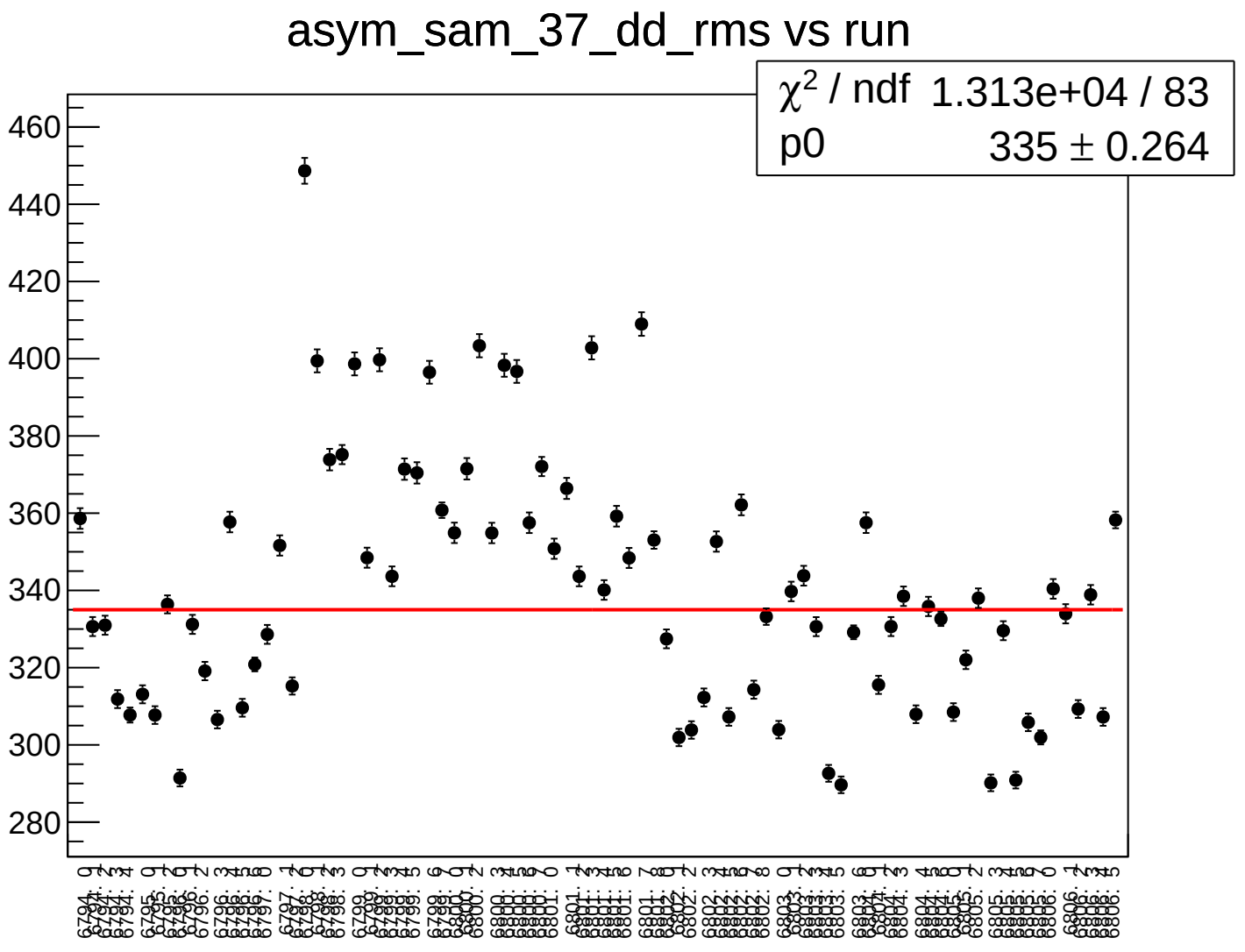

asym_sam_37_dd_correction_mean vs run
χ² / ndf 81.84 / 83
p0 −96.82 ± 370.1
10000
5000
0
−5000
−10000
pull
Entries 84
Mean 154.8
Std Dev 205.1
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

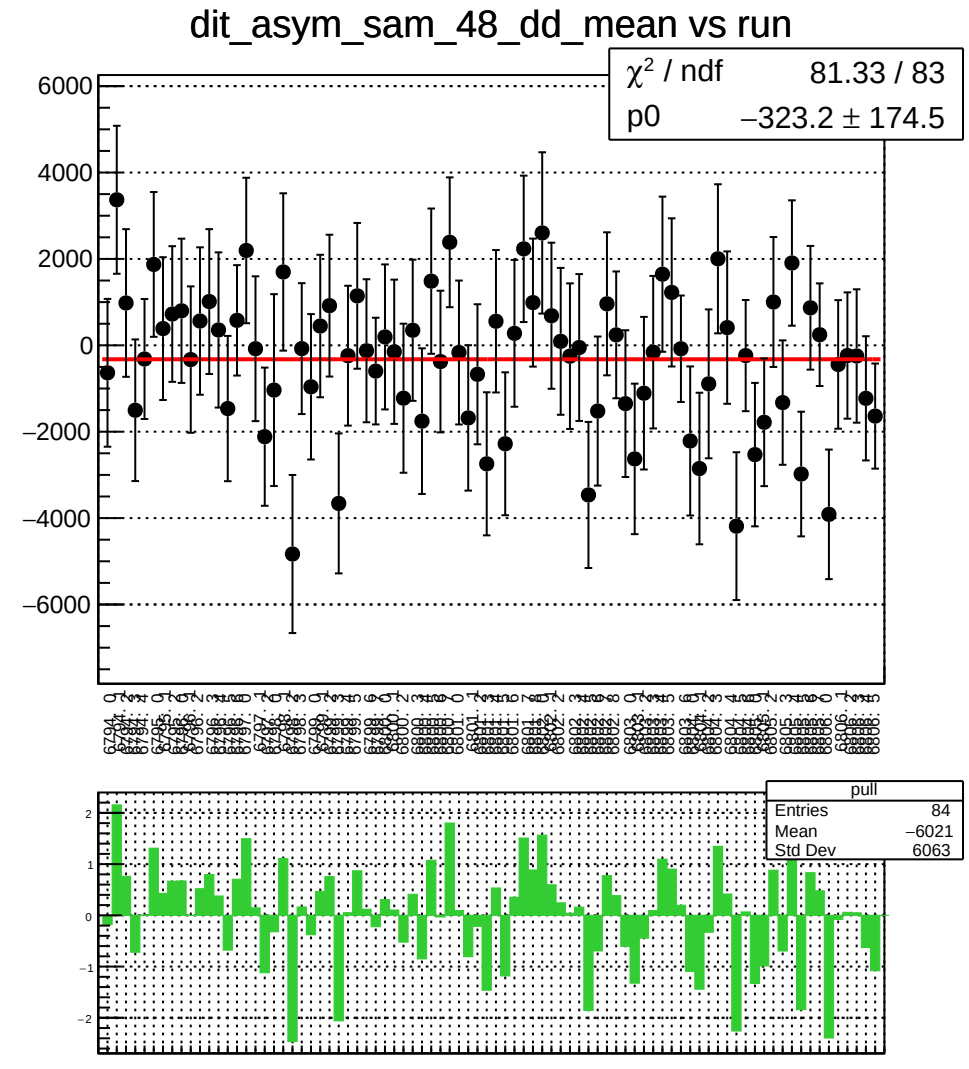

pull1D
Entries 84
Mean −0.003027
Std Dev 0.987
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

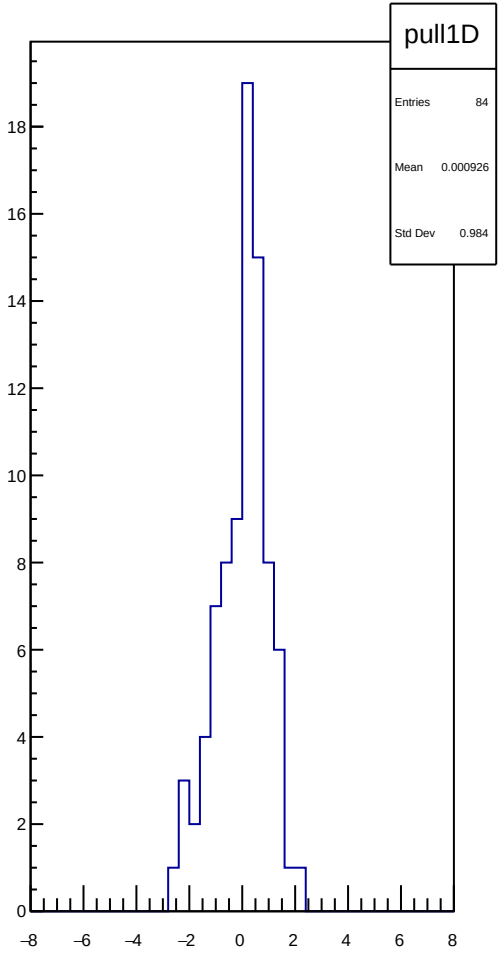

asym_sam_37_dd_correction_rms vs run
χ² / ndf 7851 / 83
p0 332.7 ± 0.2617
400
380
360
340
320
300

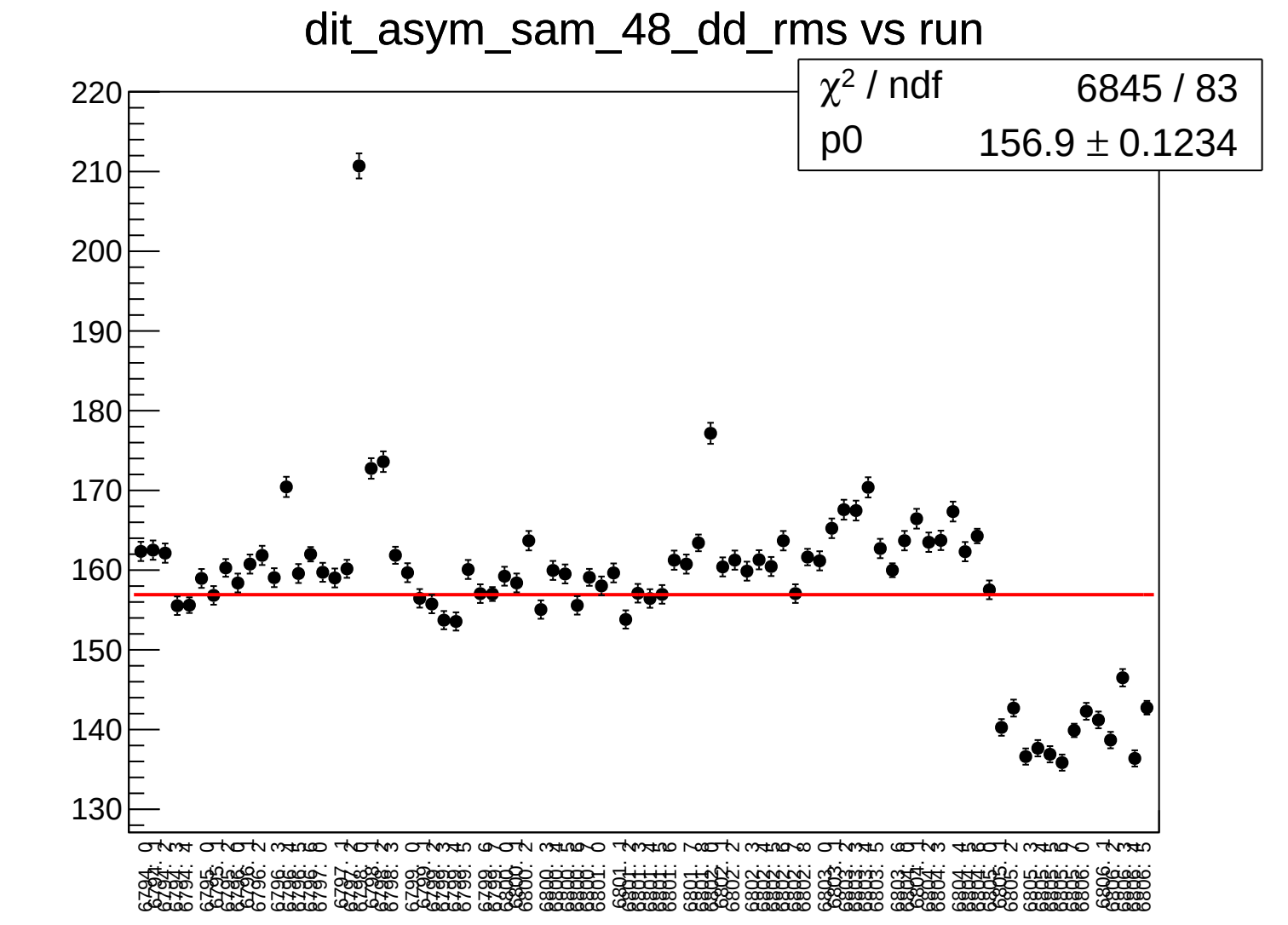

asym_sam_37_dd_mean vs run
χ² / ndf 82.86 / 83
p0 136.1 ± 373.3
10000
5000
0
−5000
−10000
pull
Entries 84
Mean 29.31
Std Dev 116.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

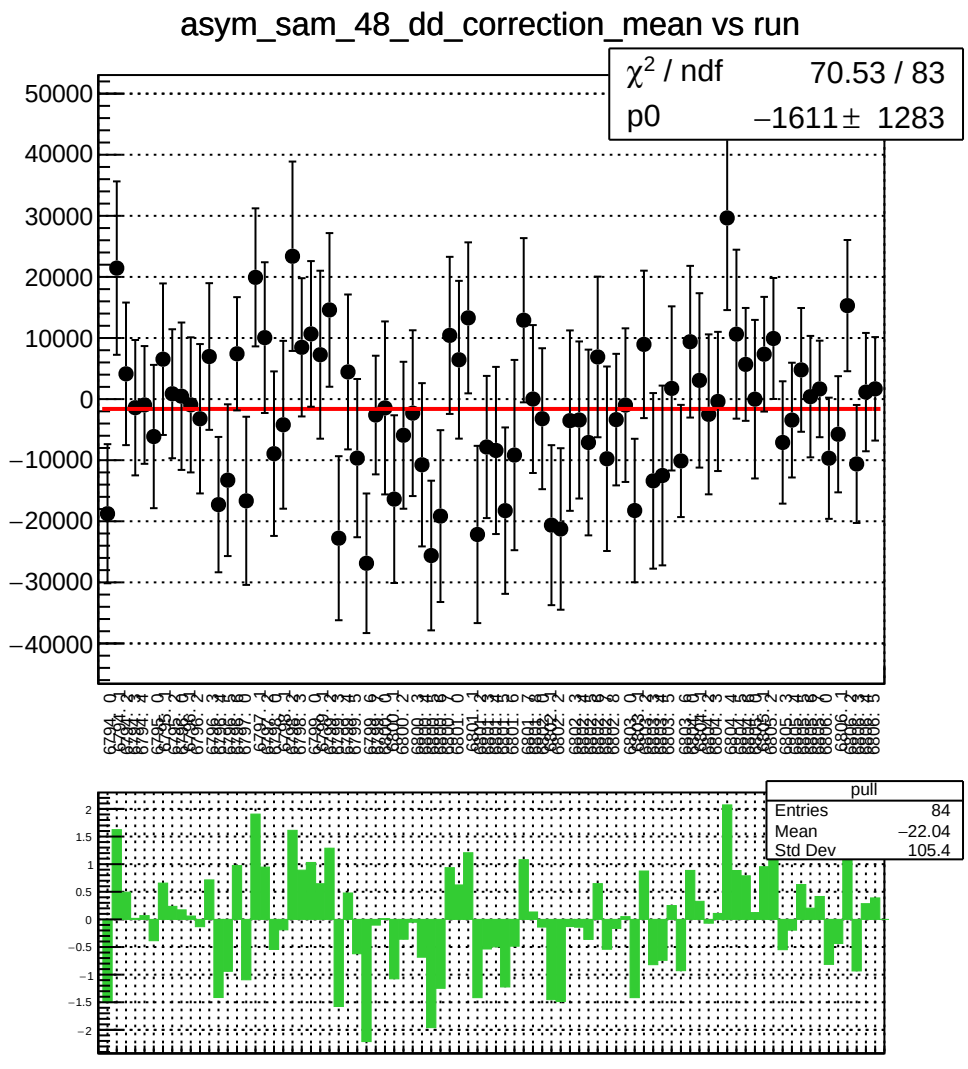

pull1D
Entries 84
Mean 0.007421
Std Dev 0.9932
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

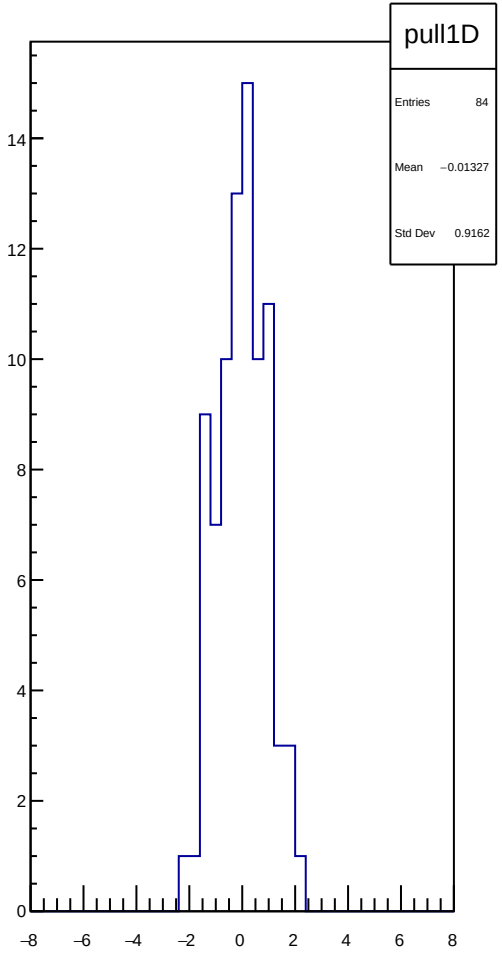

asym_sam_37_dd_rms vs run
χ^2 / ndf 1.313e+04 / 83
p0 335 ± 0.264
460
440
420
400
380
360
340
320
300
280

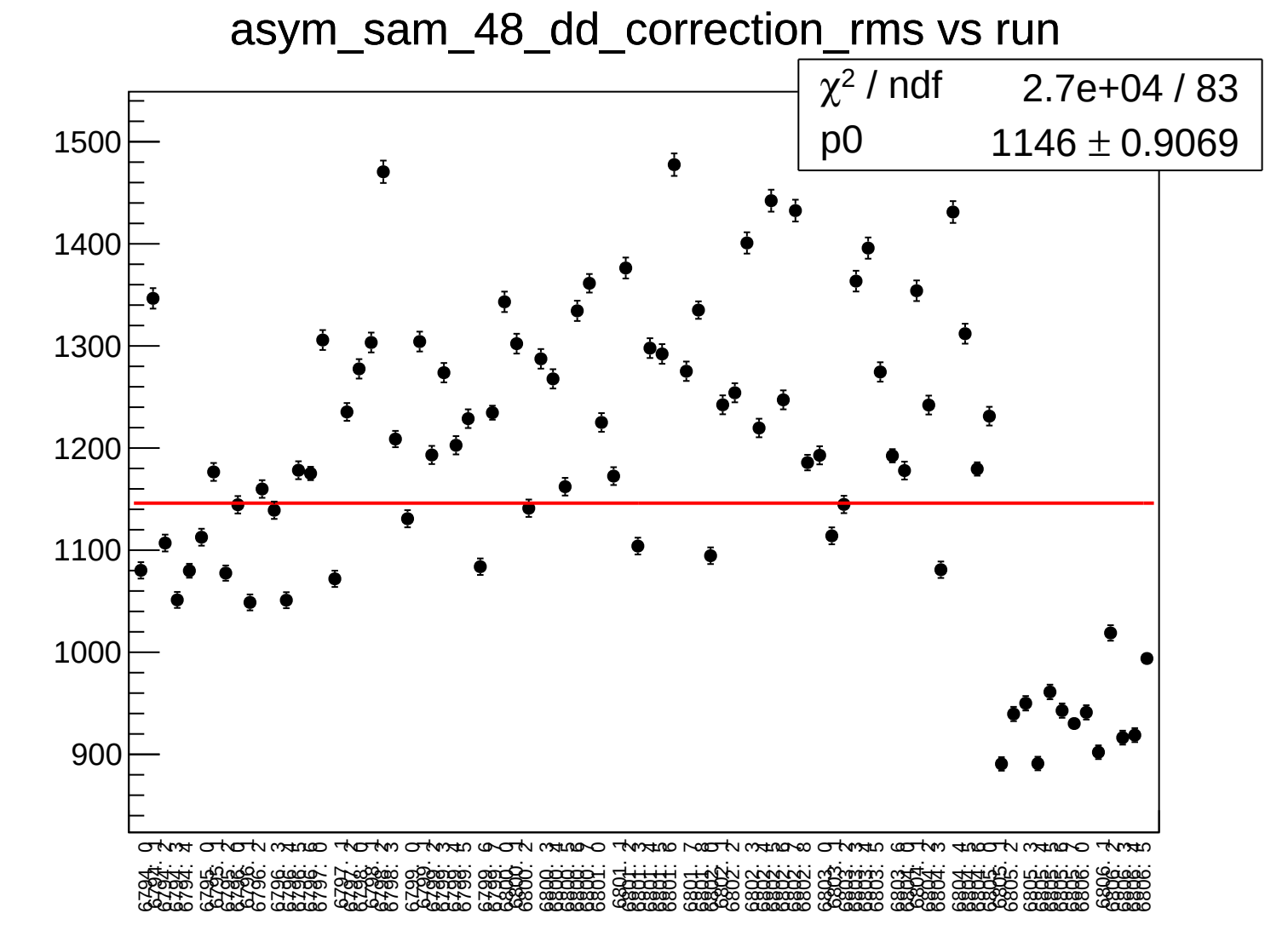

dit_asym_sam_48_dd_mean vs run
χ² / ndf 81.33 / 83
p0 −323.2 ± 174.5
pull
Entries 84
Mean −6021
Std Dev 6063

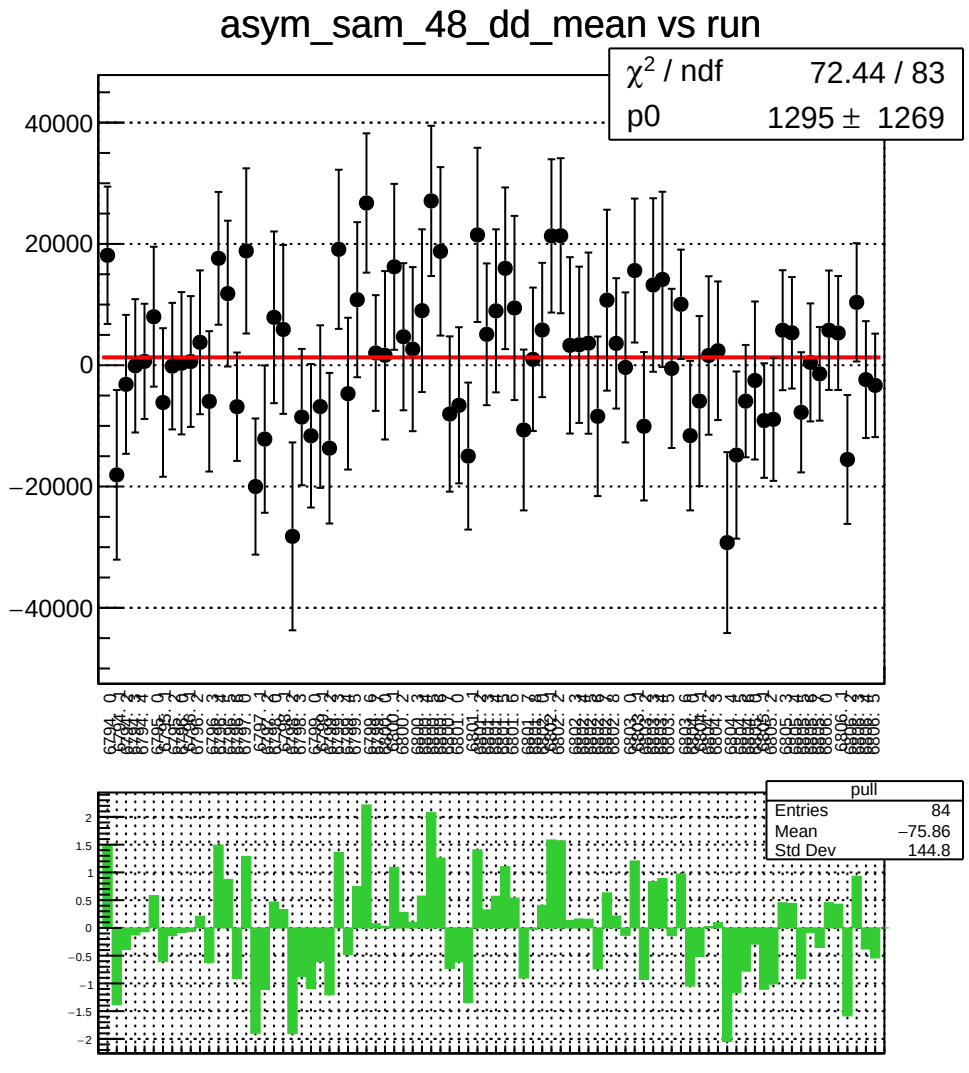

pull1D
Entries 84
Mean 0.000926
Std Dev 0.984

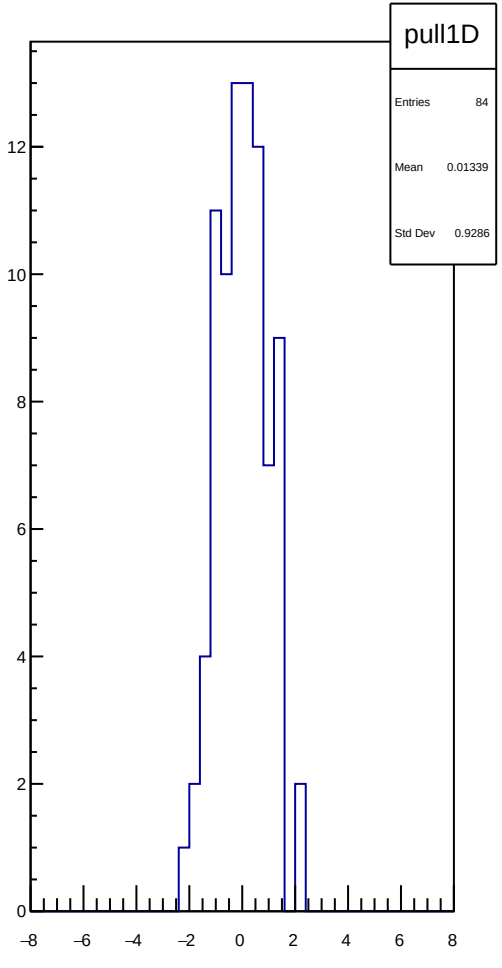

dit_asym_sam_48_dd_rms vs run
χ^2 / ndf 6845 / 83
p0 156.9 ± 0.1234
220
210
200
190
180
170
160
150
140
130

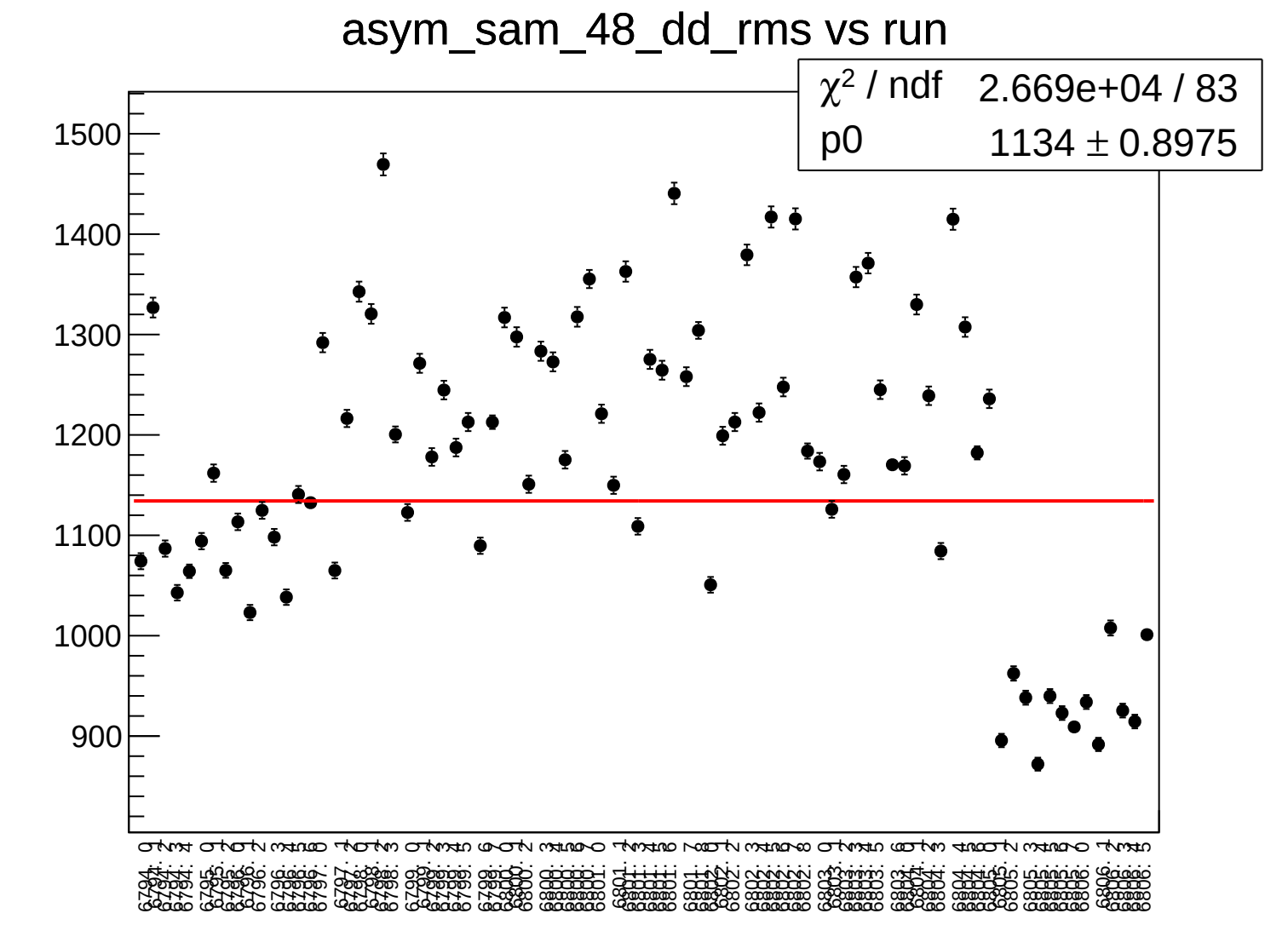

asym_sam_48_dd_correction_mean vs run
χ² / ndf 70.53 / 83
p0 −1611 ± 1283
pull
Entries 84
Mean −22.04
Std Dev 105.4

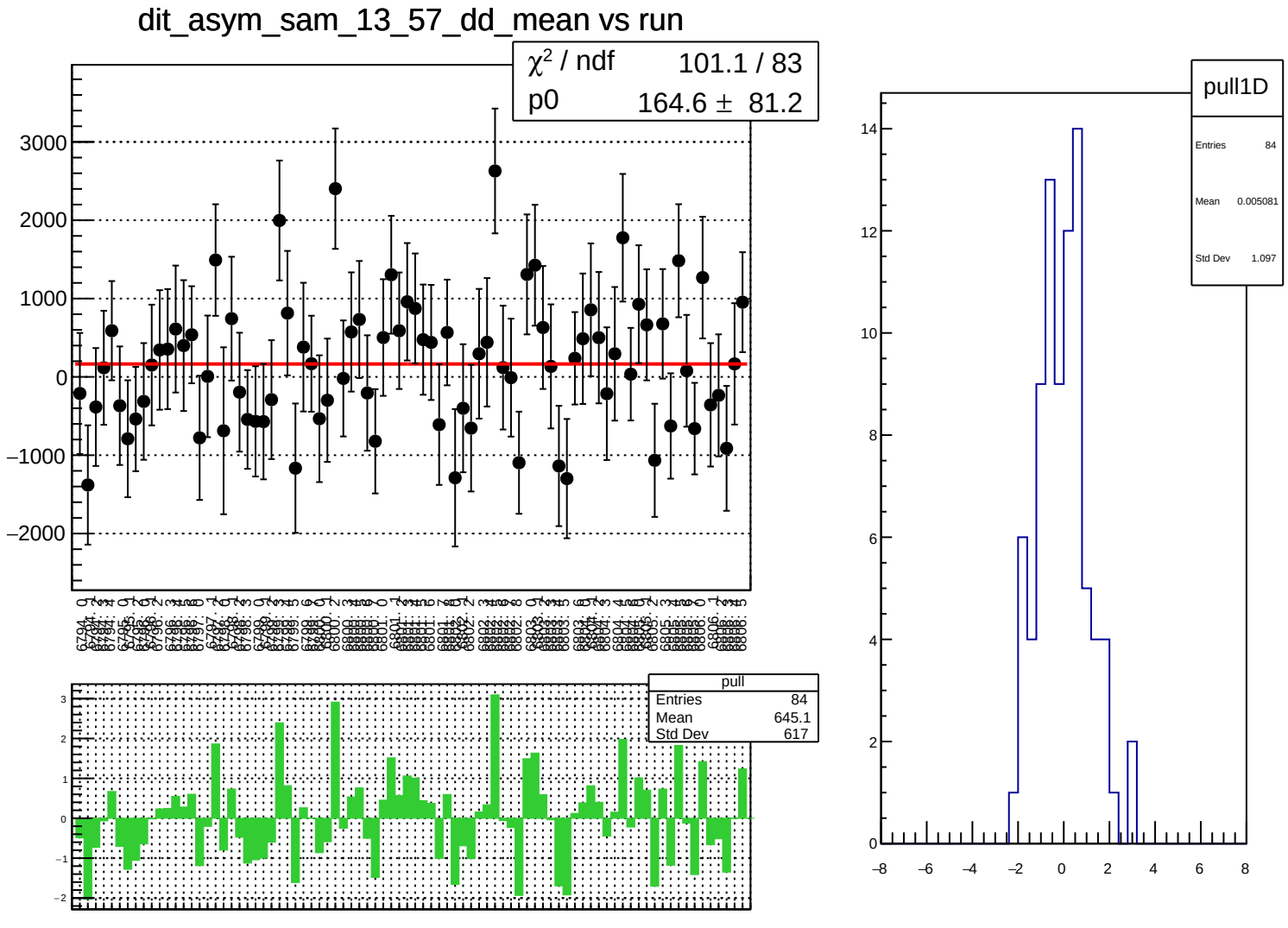

pull1D
Entries 84
Mean −0.01327
Std Dev 0.9162

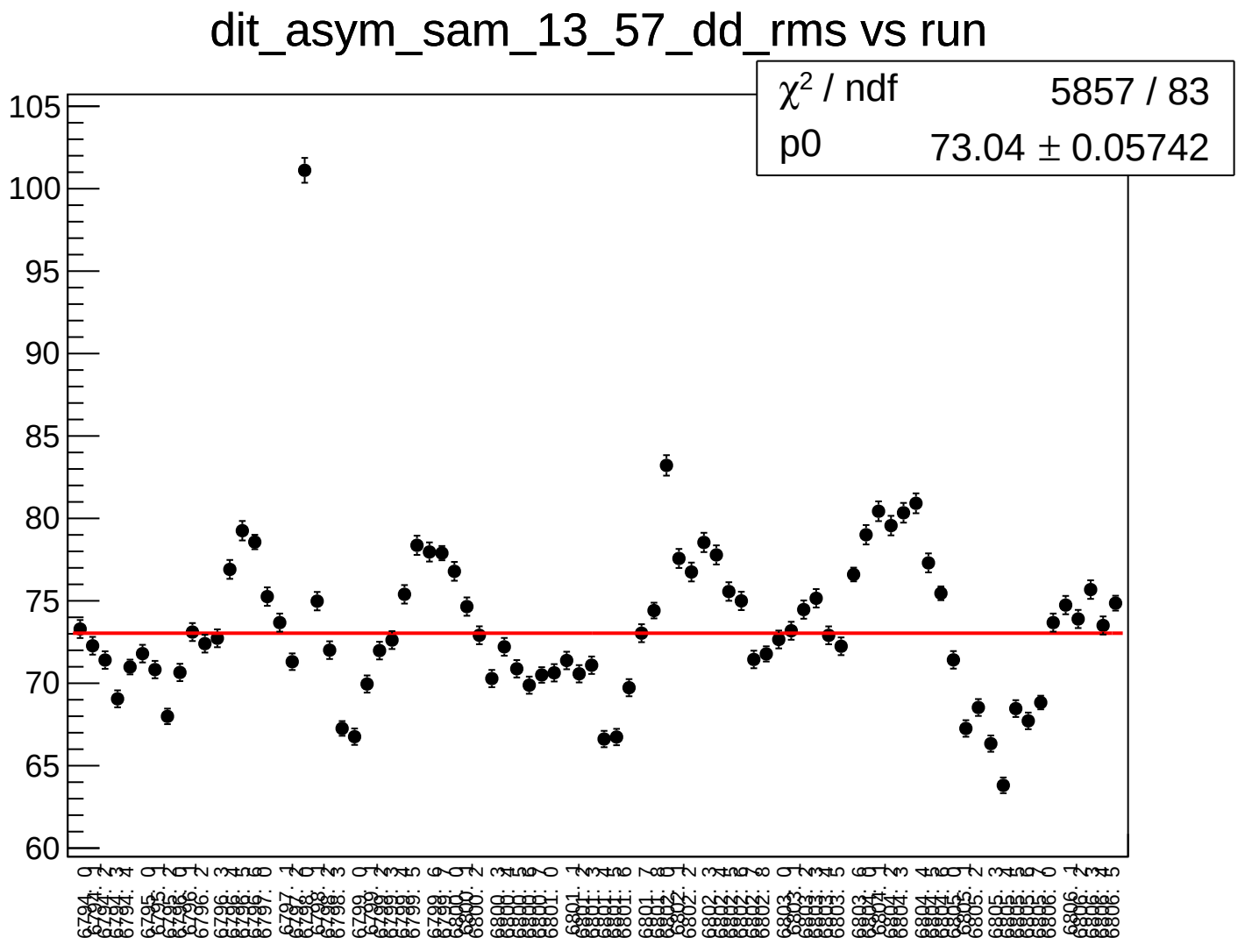

asym_sam_48_dd_correction_rms vs run
χ² / ndf 2.7e+04 / 83
p0 1146 ± 0.9069
1500
1400
1300
1200
1100
1000
900

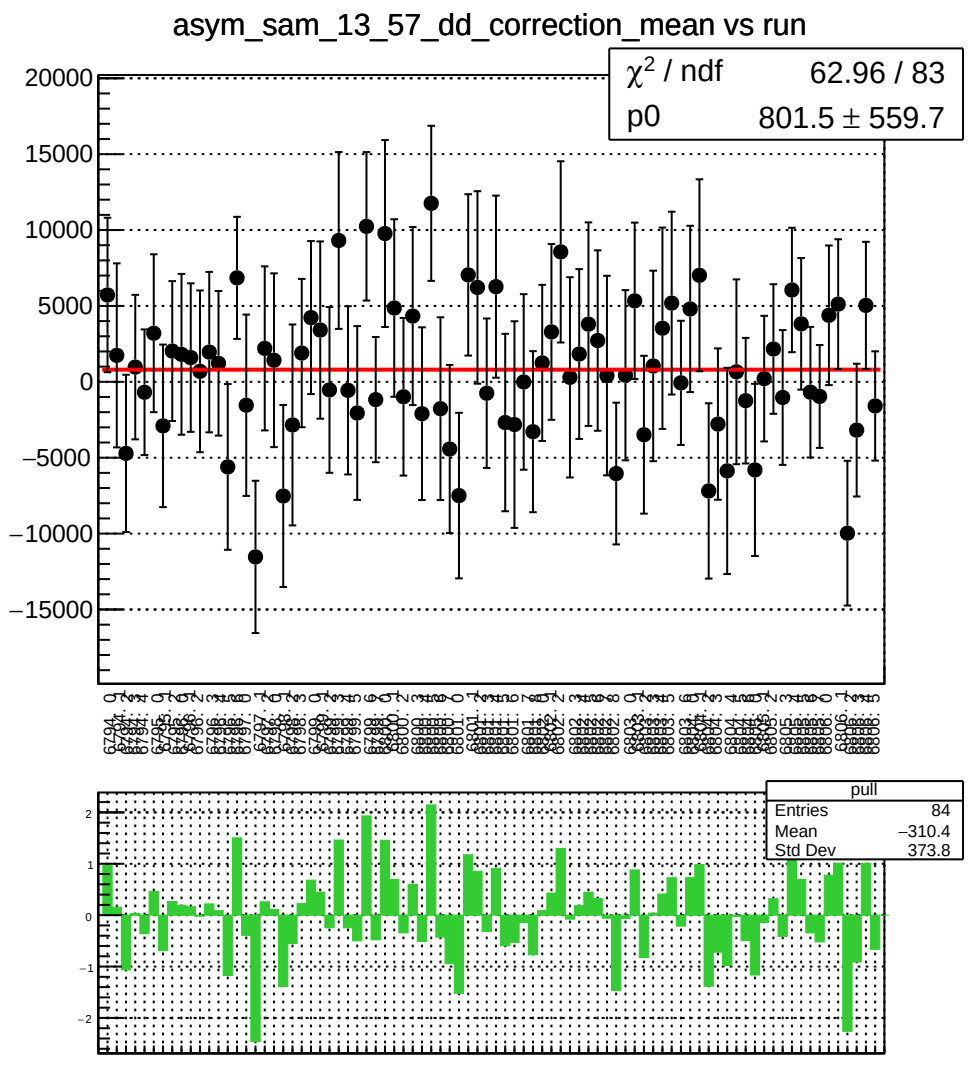

asym_sam_48_dd_mean vs run
χ² / ndf 72.44 / 83
p0 1295 ± 1269
40000
20000
0
−20000
−40000
pull
Entries 84
Mean −75.86
Std Dev 144.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

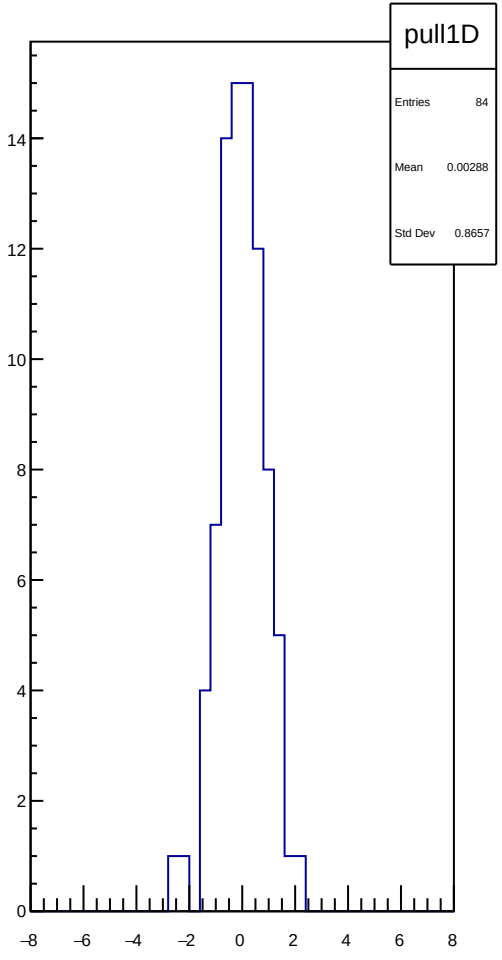

pull1D
Entries 84
Mean 0.01339
Std Dev 0.9286
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

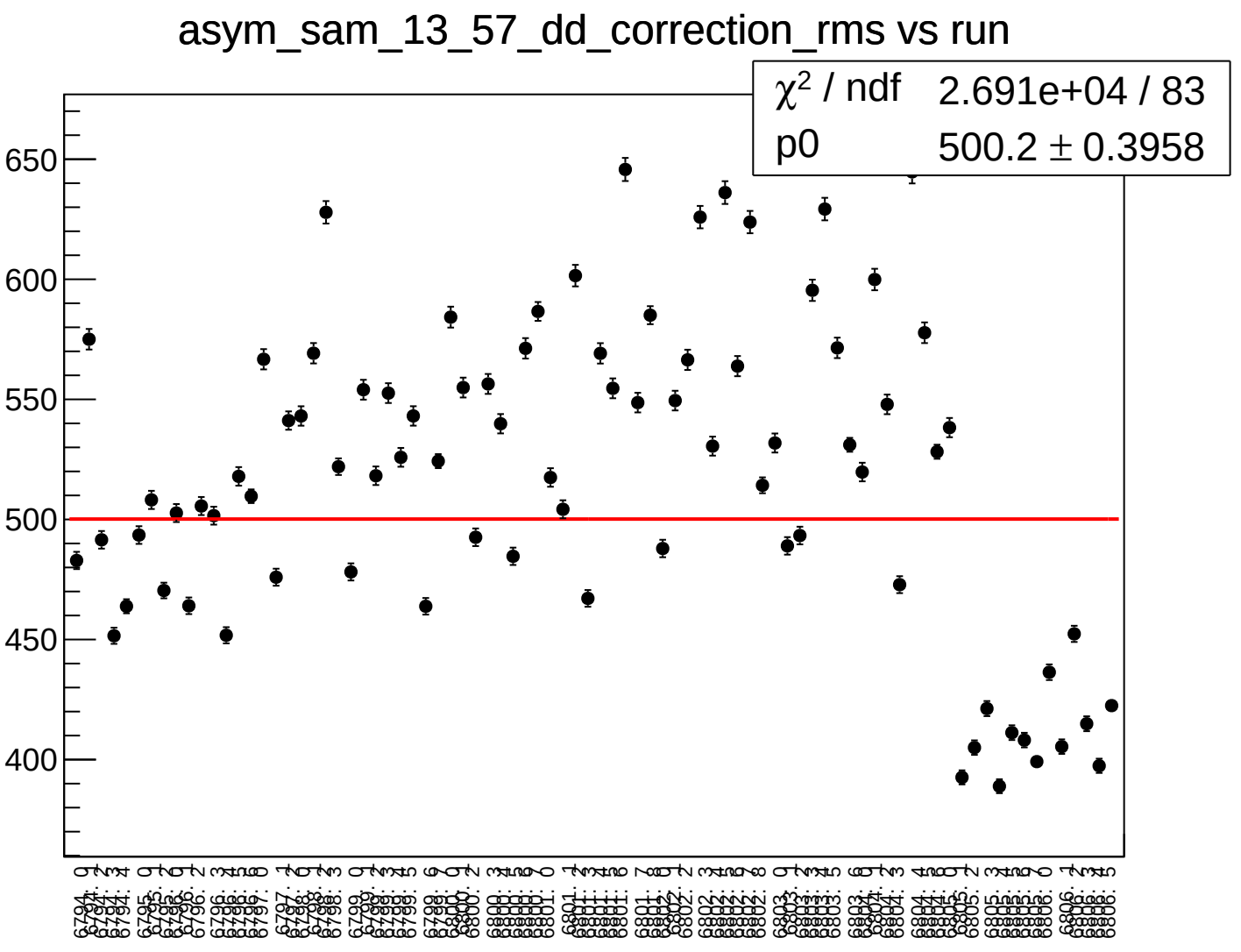

asym_sam_48_dd_rms vs run
χ² / ndf 2.669e+04 / 83
p0 1134 ± 0.8975
1500
1400
1300
1200
1100
1000
900

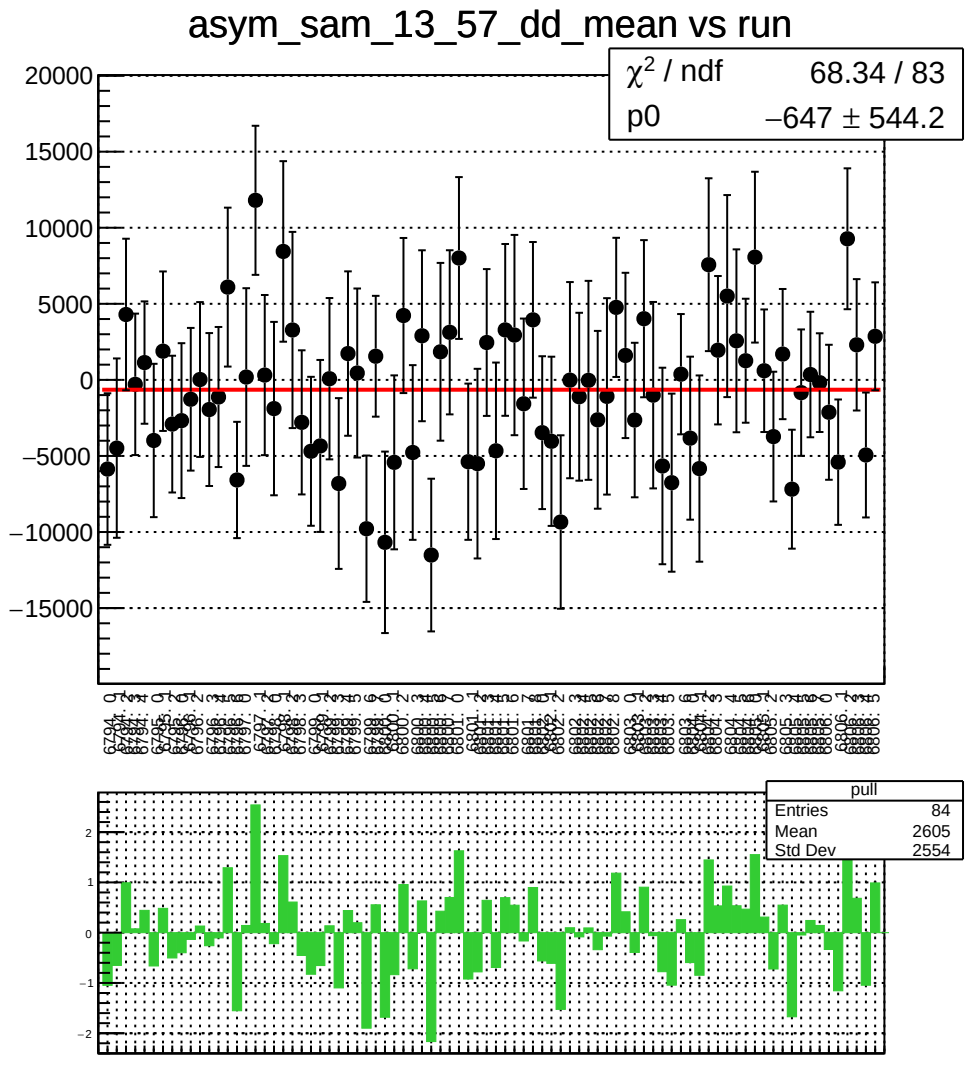

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 101.1 / 83
p0 164.6 ± 81.2
pull
Entries 84
Mean 645.1
Std Dev 617
pull1D
Entries 84
Mean 0.005081
Std Dev 1.097

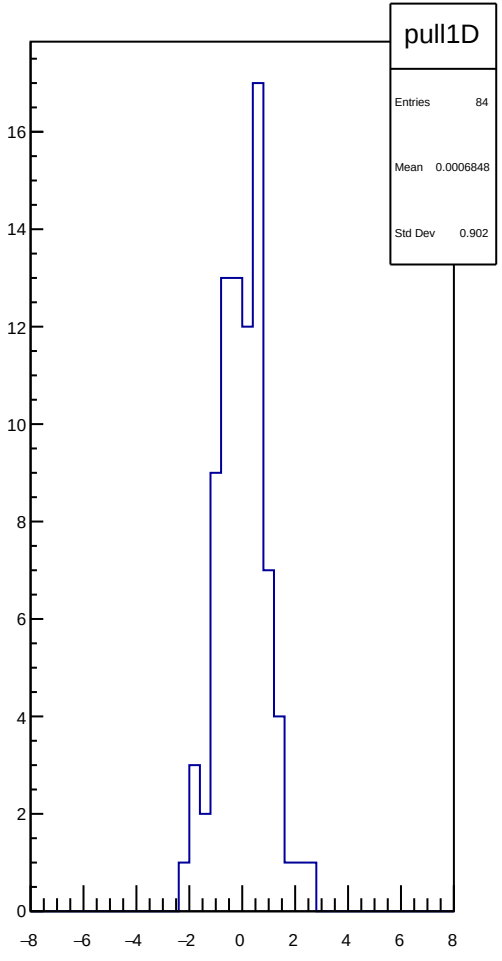

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 5857 / 83
p0 73.04 ± 0.05742
105
100
95
90
85
80
75
70
65
60

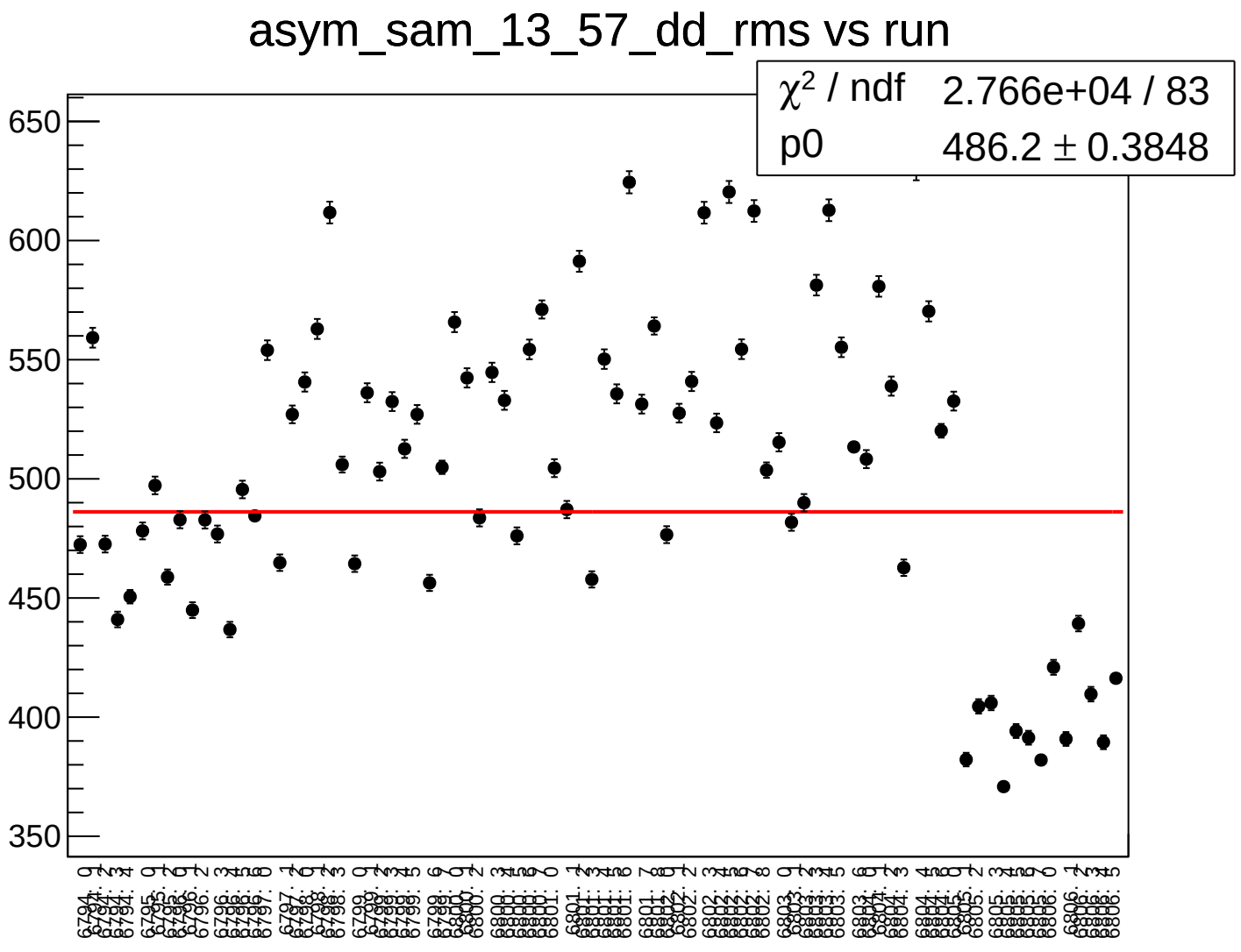

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 62.96 / 83
p0 801.5 ± 559.7
pull
Entries 84
Mean −310.4
Std Dev 373.8

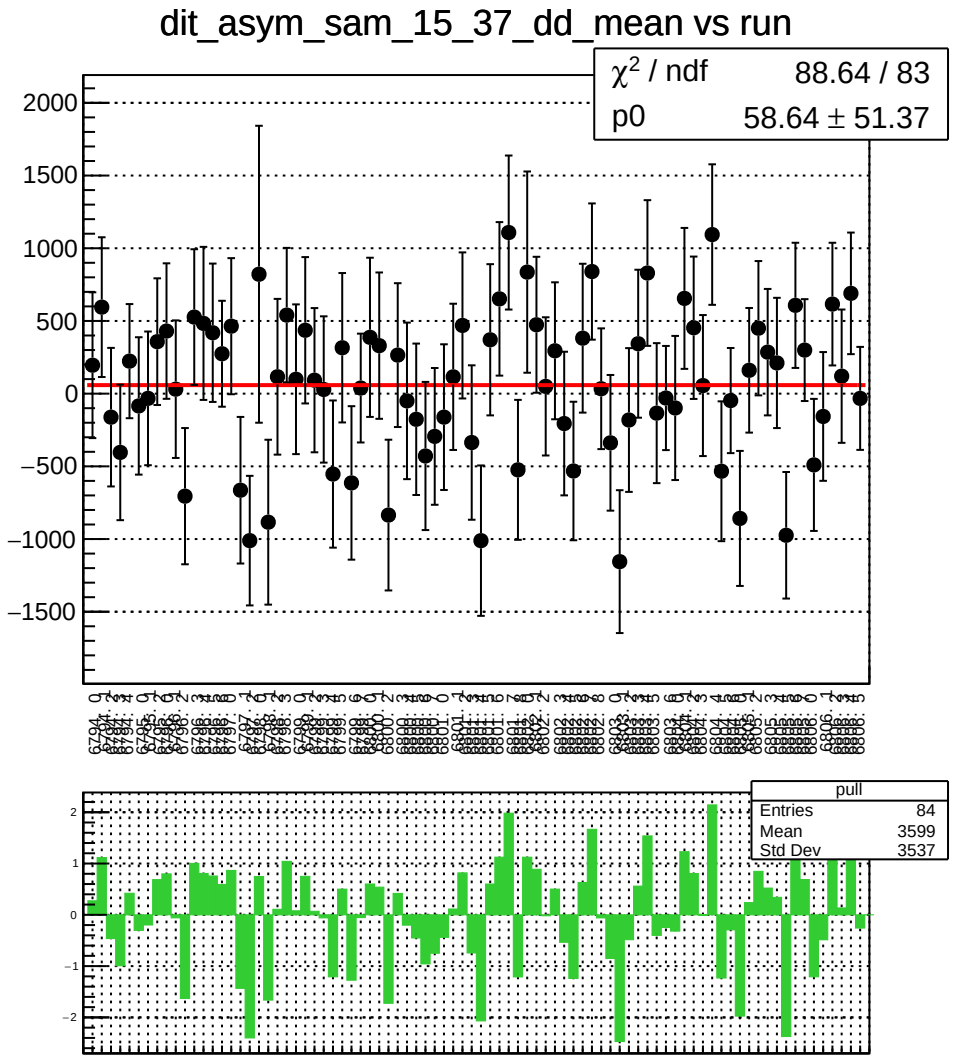

pull1D
Entries 84
Mean 0.00288
Std Dev 0.8657

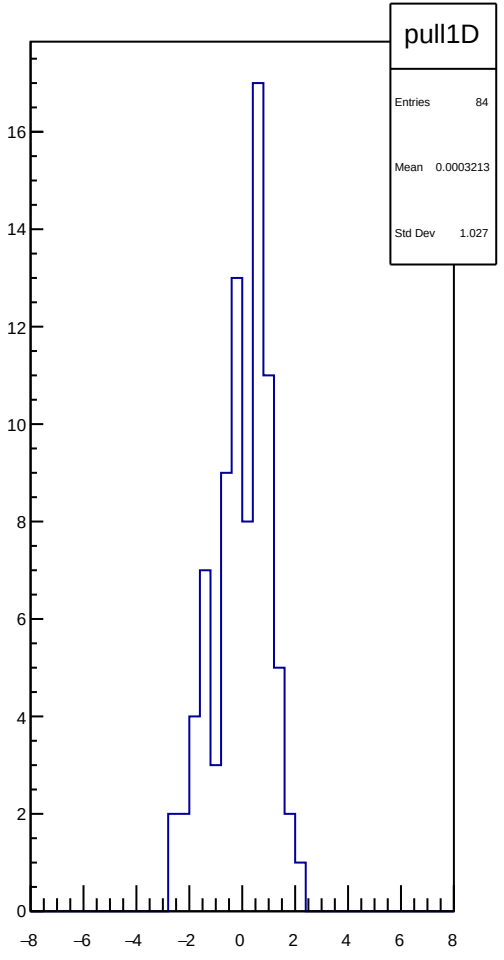

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 2.691e+04 / 83
p0 500.2 ± 0.3958
650
600
550
500
450
400

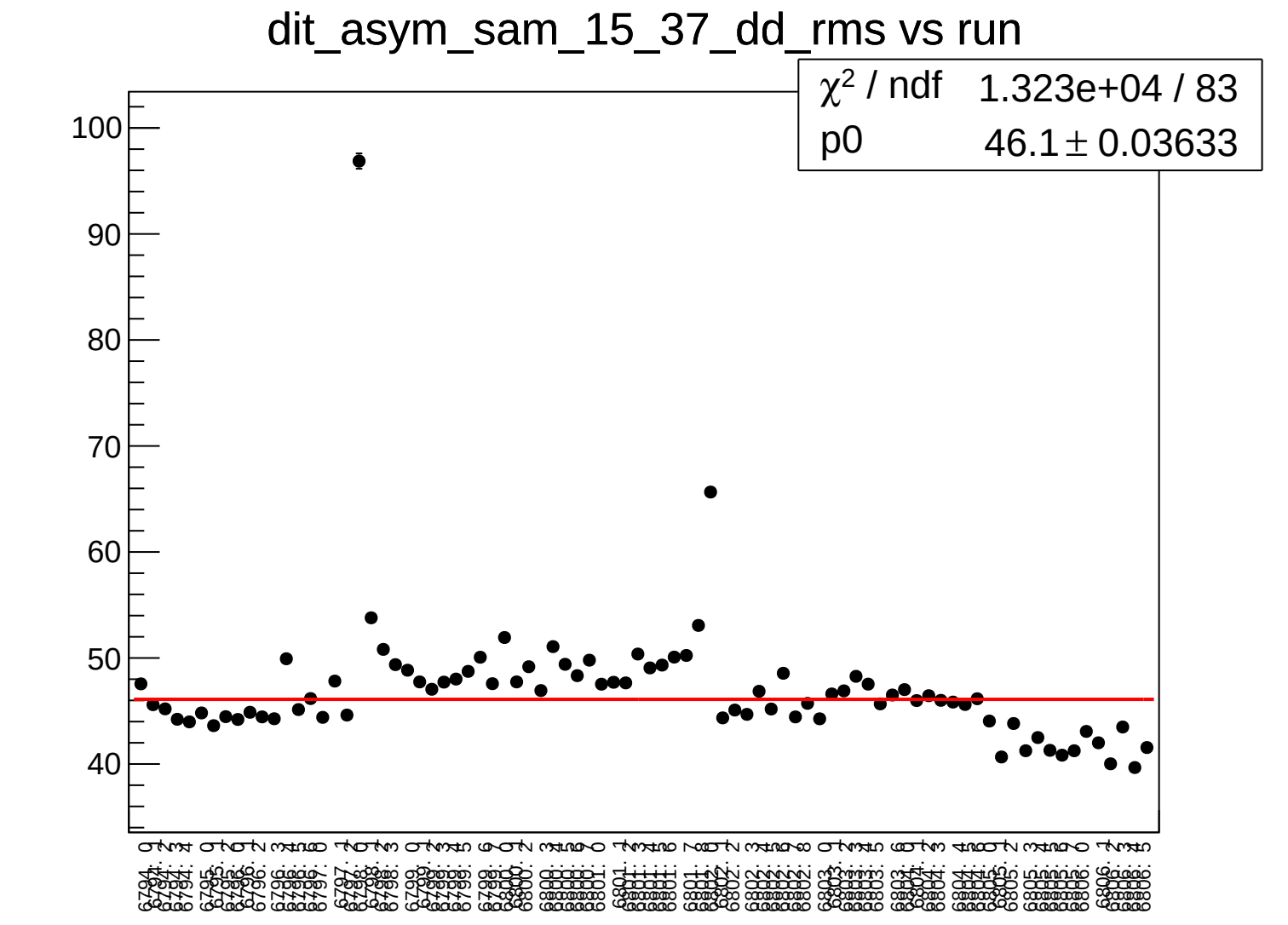

asym_sam_13_57_dd_mean vs run
χ² / ndf 68.34 / 83
p0 −647 ± 544.2
pull
Entries 84
Mean 2605
Std Dev 2554

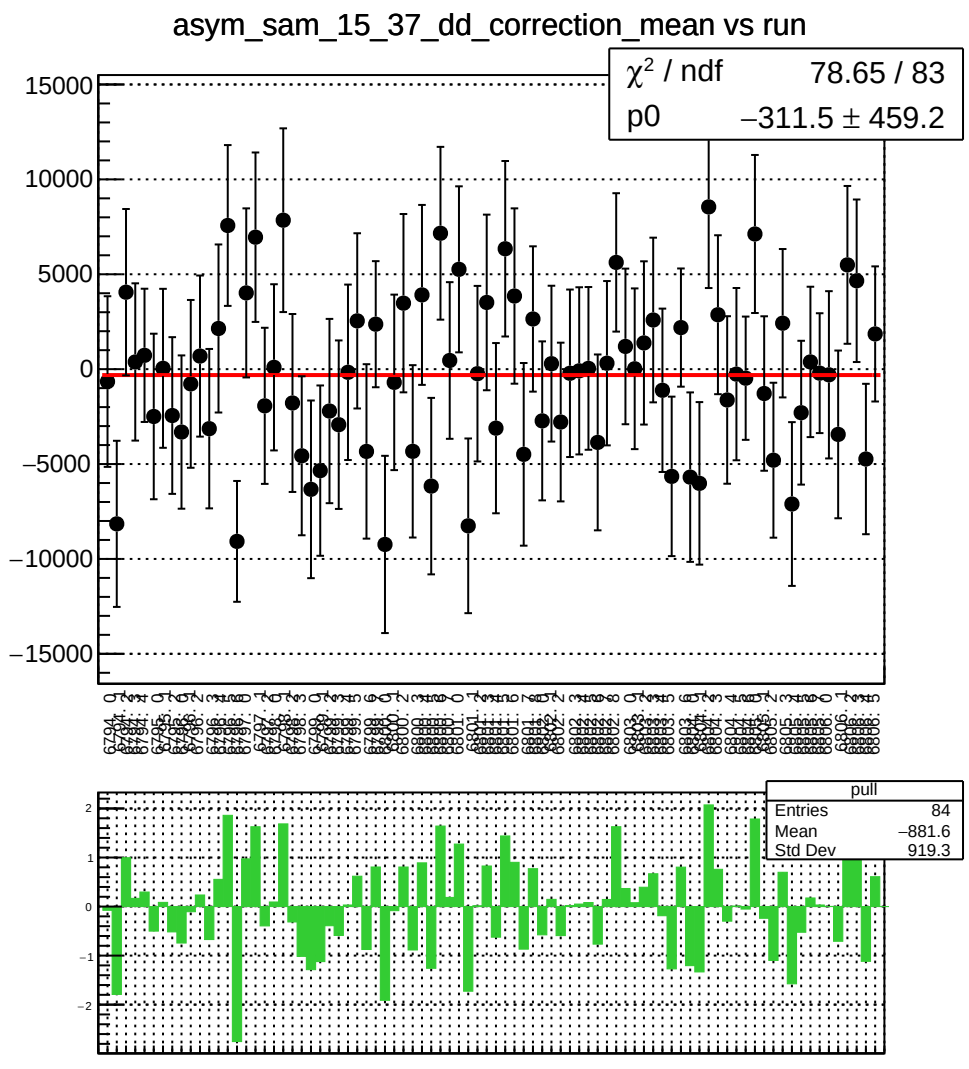

pull1D
Entries 84
Mean 0.0006848
Std Dev 0.902

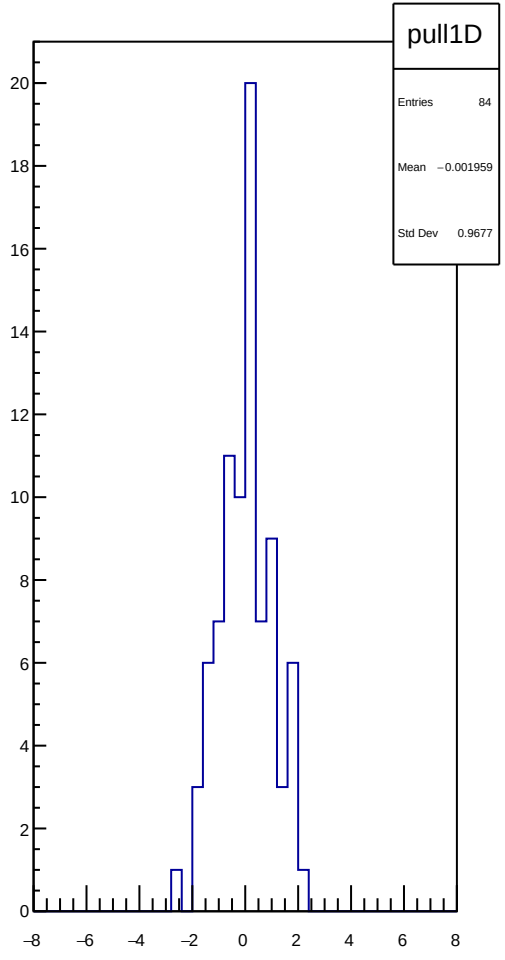

asym_sam_13_57_dd_rms vs run
χ² / ndf 2.766e+04 / 83
p0 486.2 ± 0.3848
650
600
550
500
450
400
350

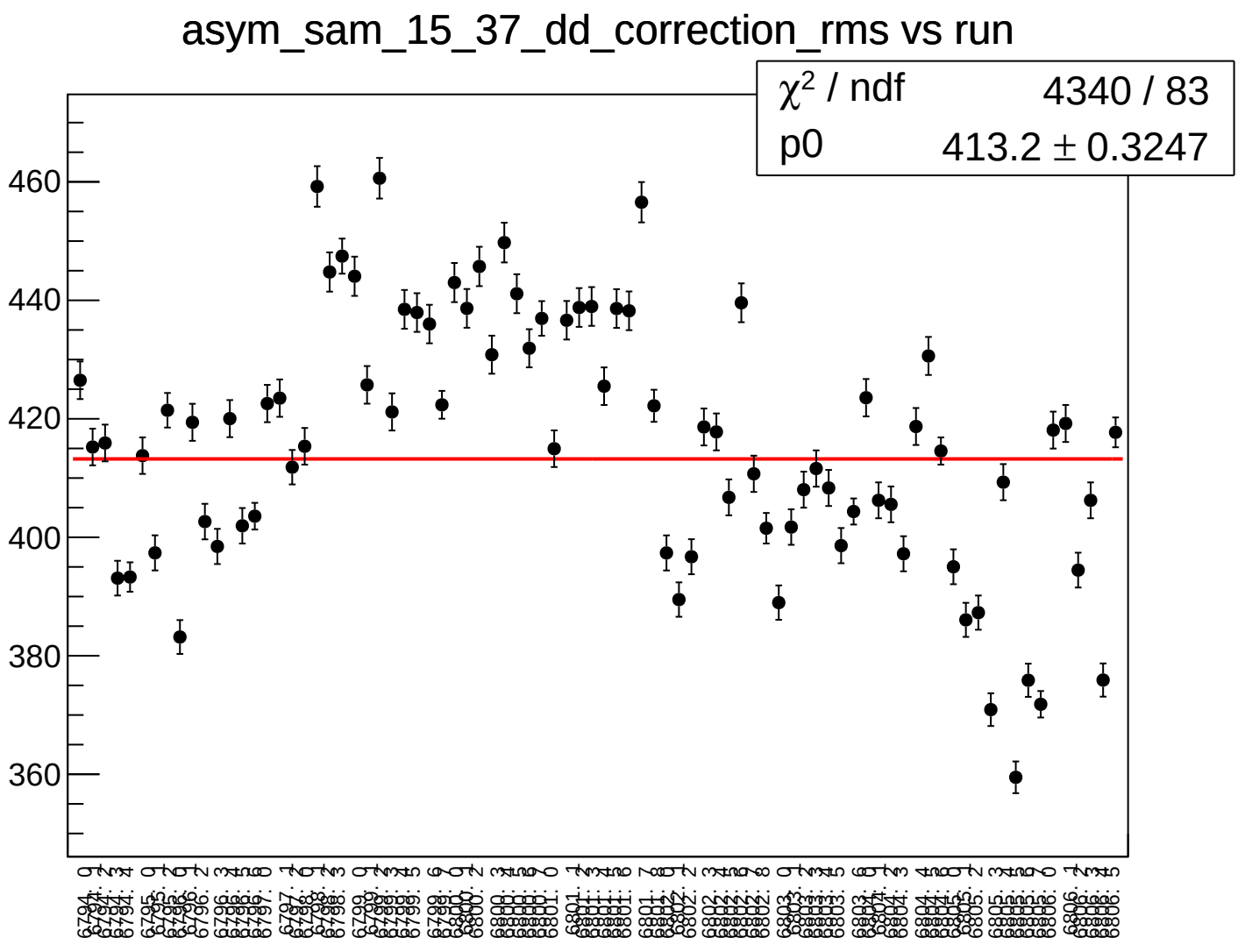

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 88.64 / 83
p0 58.64 ± 51.37
2000
1500
1000
500
0
−500
−1000
−1500
pull
Entries 84
Mean 3599
Std Dev 3537
2
1
0
−1
−2

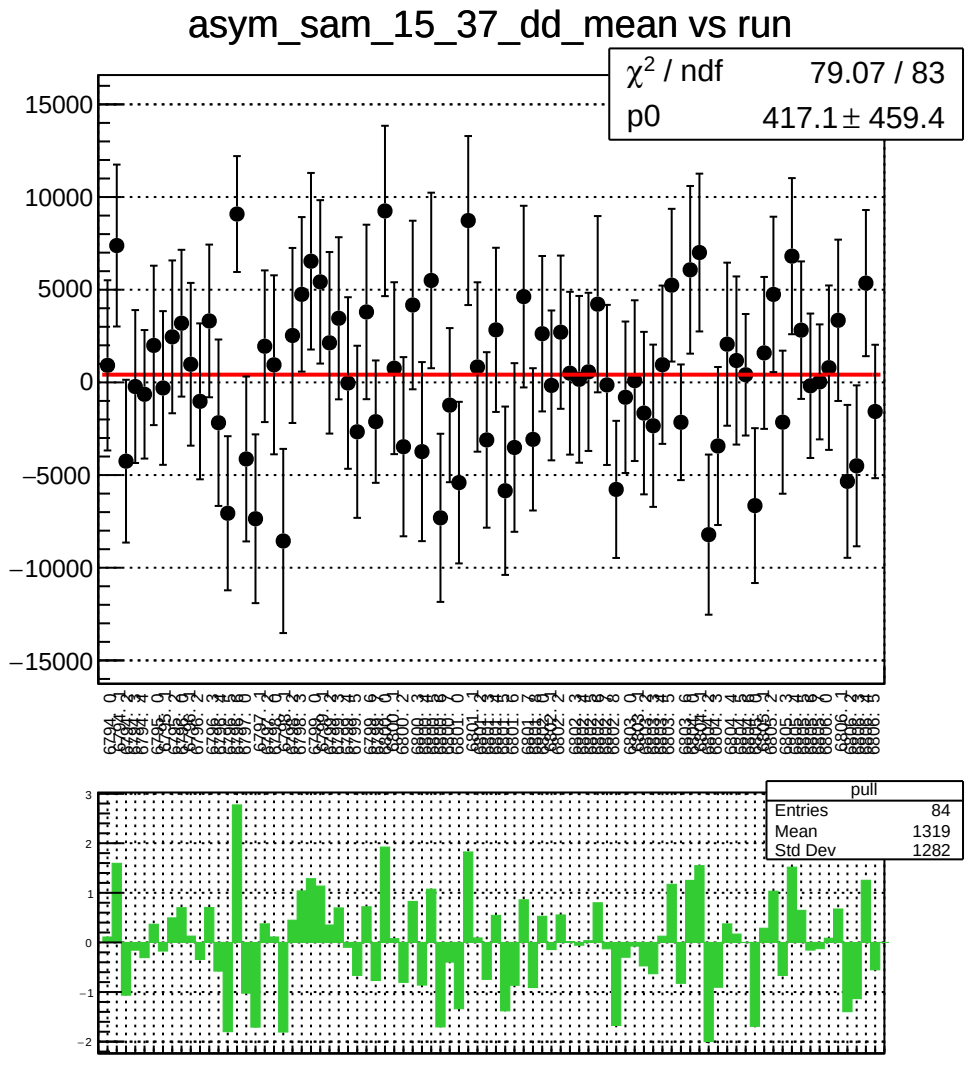

pull1D
Entries 84
Mean 0.0003213
Std Dev 1.027
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

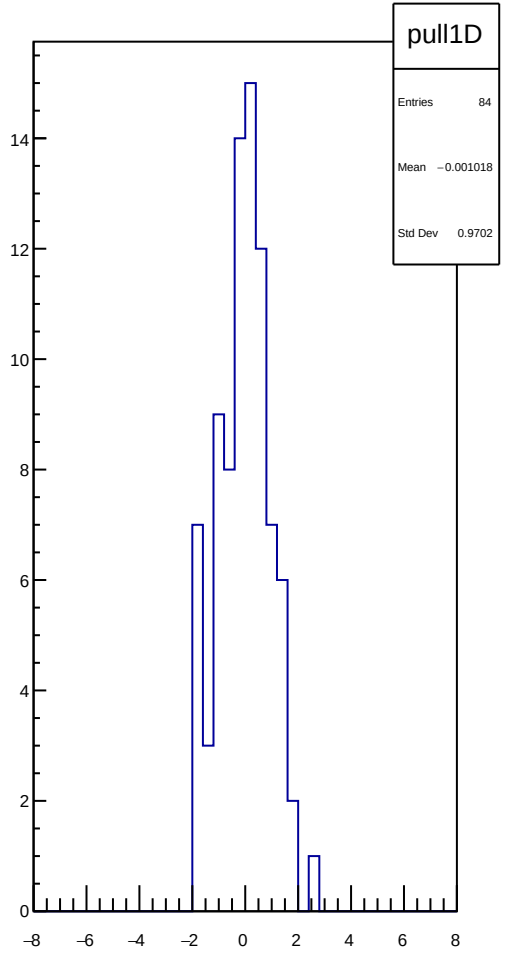

dit_asym_sam_15_37_dd_rms vs run
χ^2 / ndf 1.323e+04 / 83
p0 46.1 ± 0.03633
100
90
80
70
60
50
40

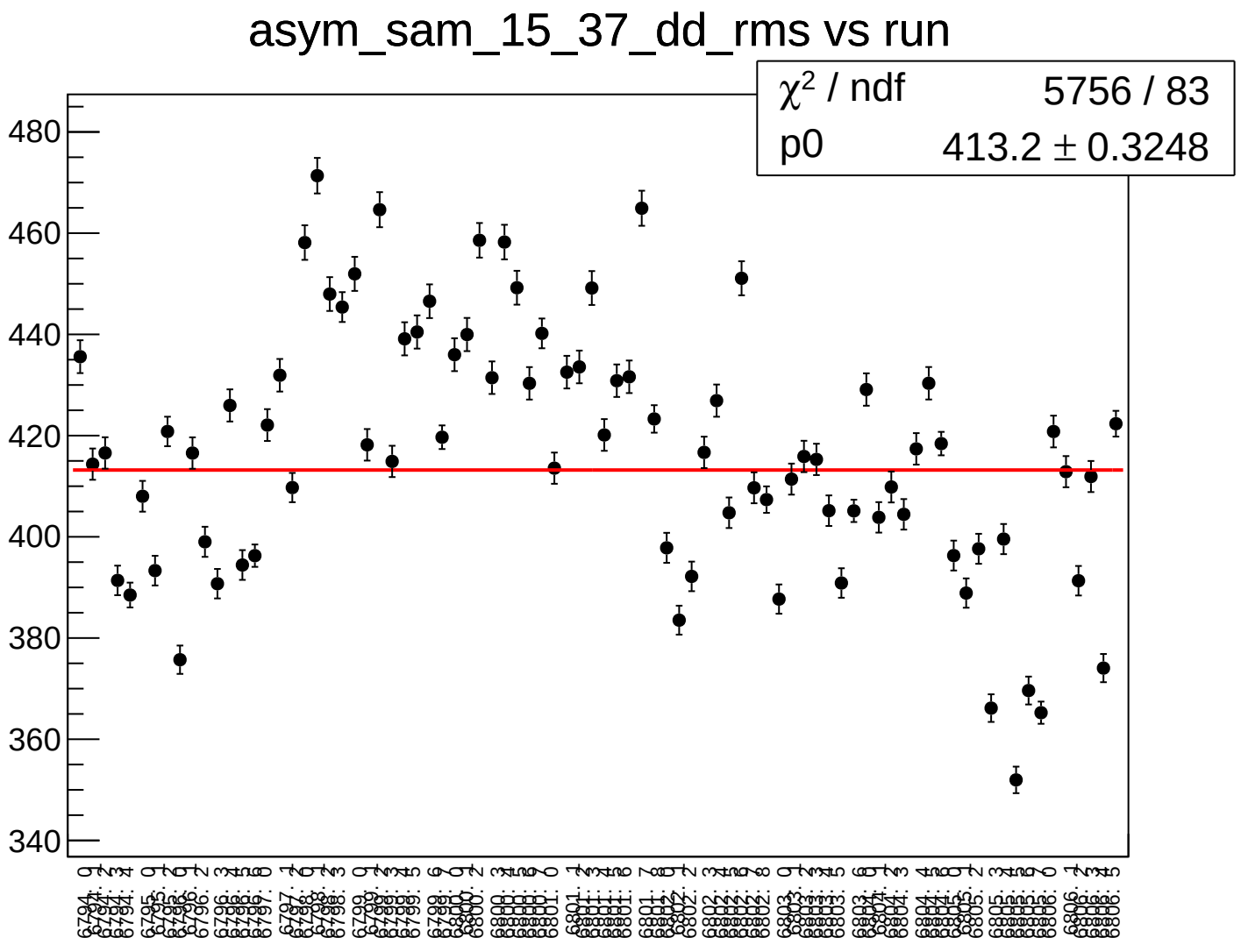

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 78.65 / 83
p0 −311.5 ± 459.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean −881.6
Std Dev 919.3
2
1
0
−1
−2

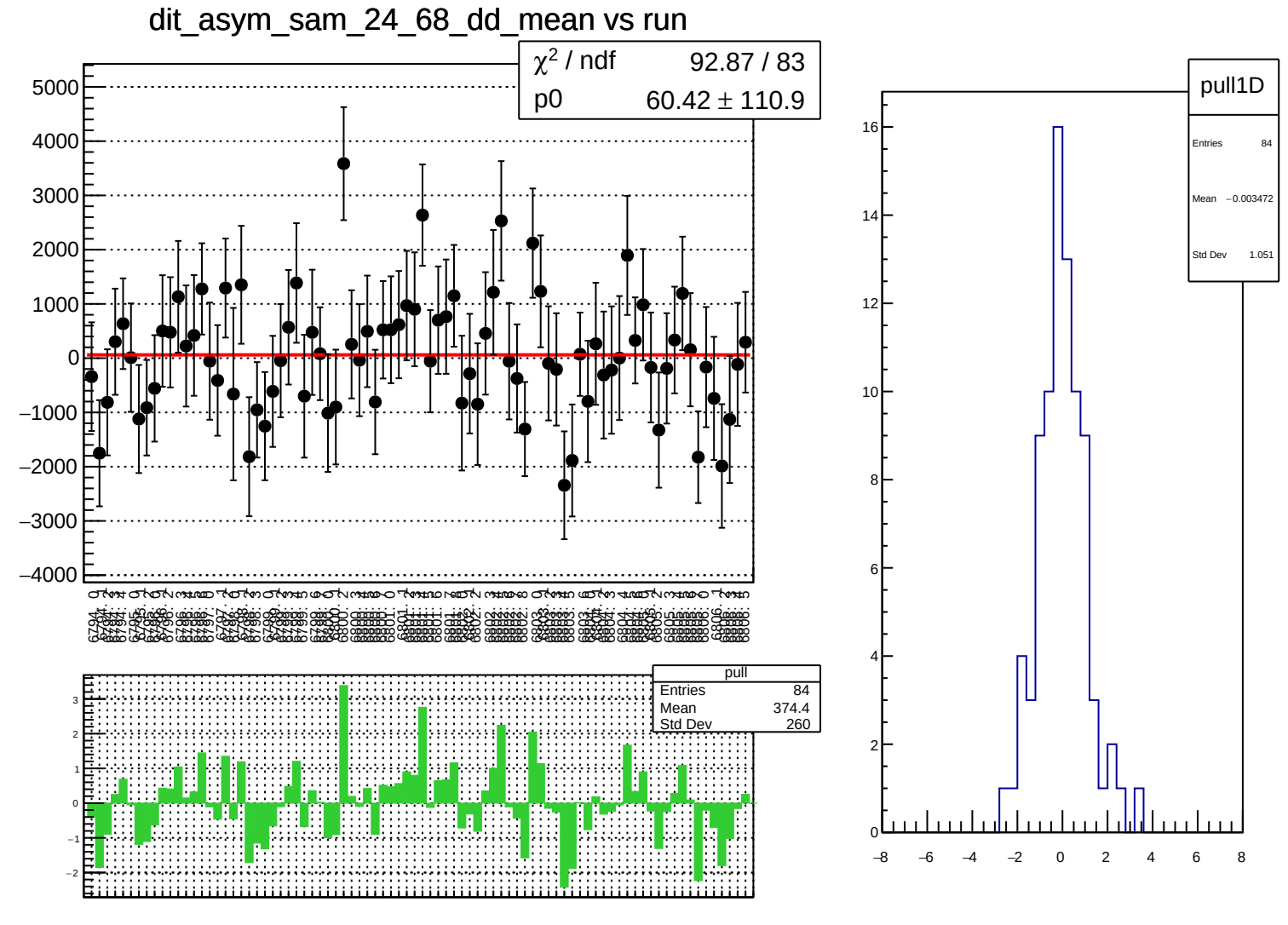

pull1D
Entries 84
Mean −0.001959
Std Dev 0.9677
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

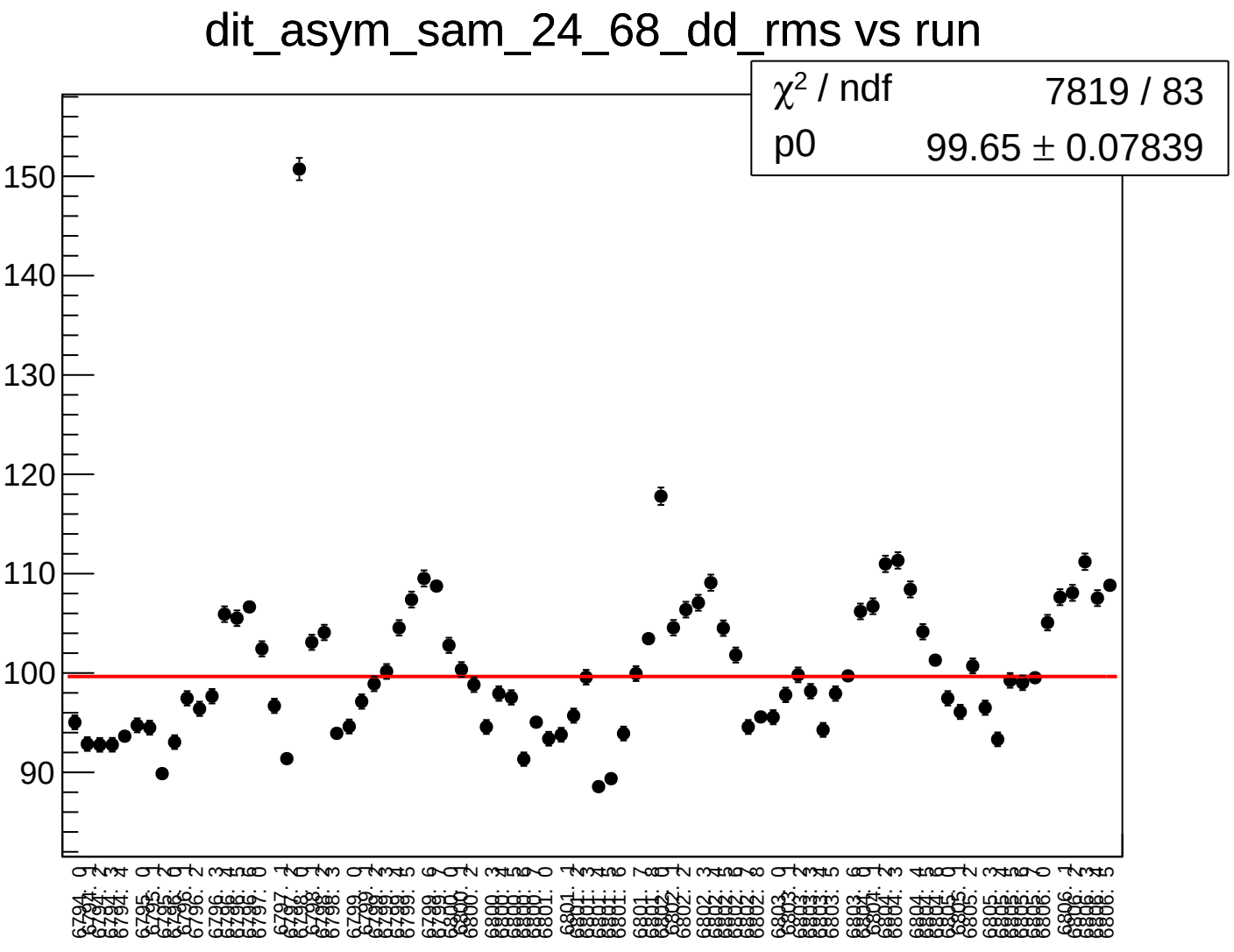

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 4340 / 83
p0 413.2 ± 0.3247
460
440
420
400
380
360

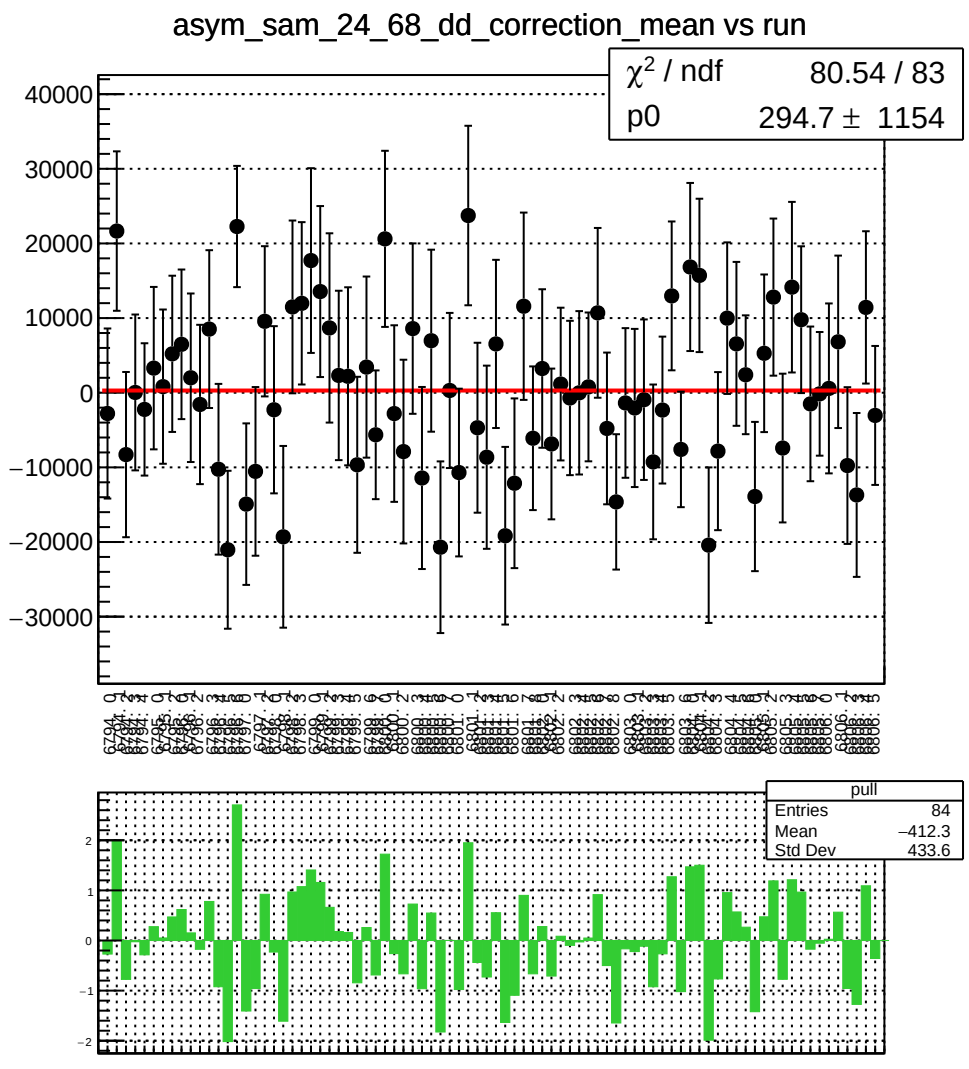

asym_sam_15_37_dd_mean vs run
χ² / ndf 79.07 / 83
p0 417.1 ± 459.4
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean 1319
Std Dev 1282
3
2
1
0
−1
−2

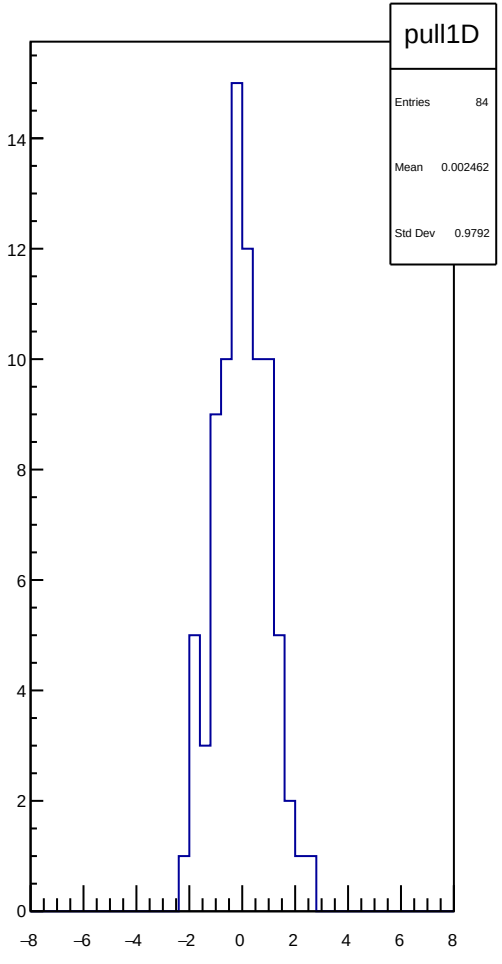

pull1D
Entries 84
Mean −0.001018
Std Dev 0.9702
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

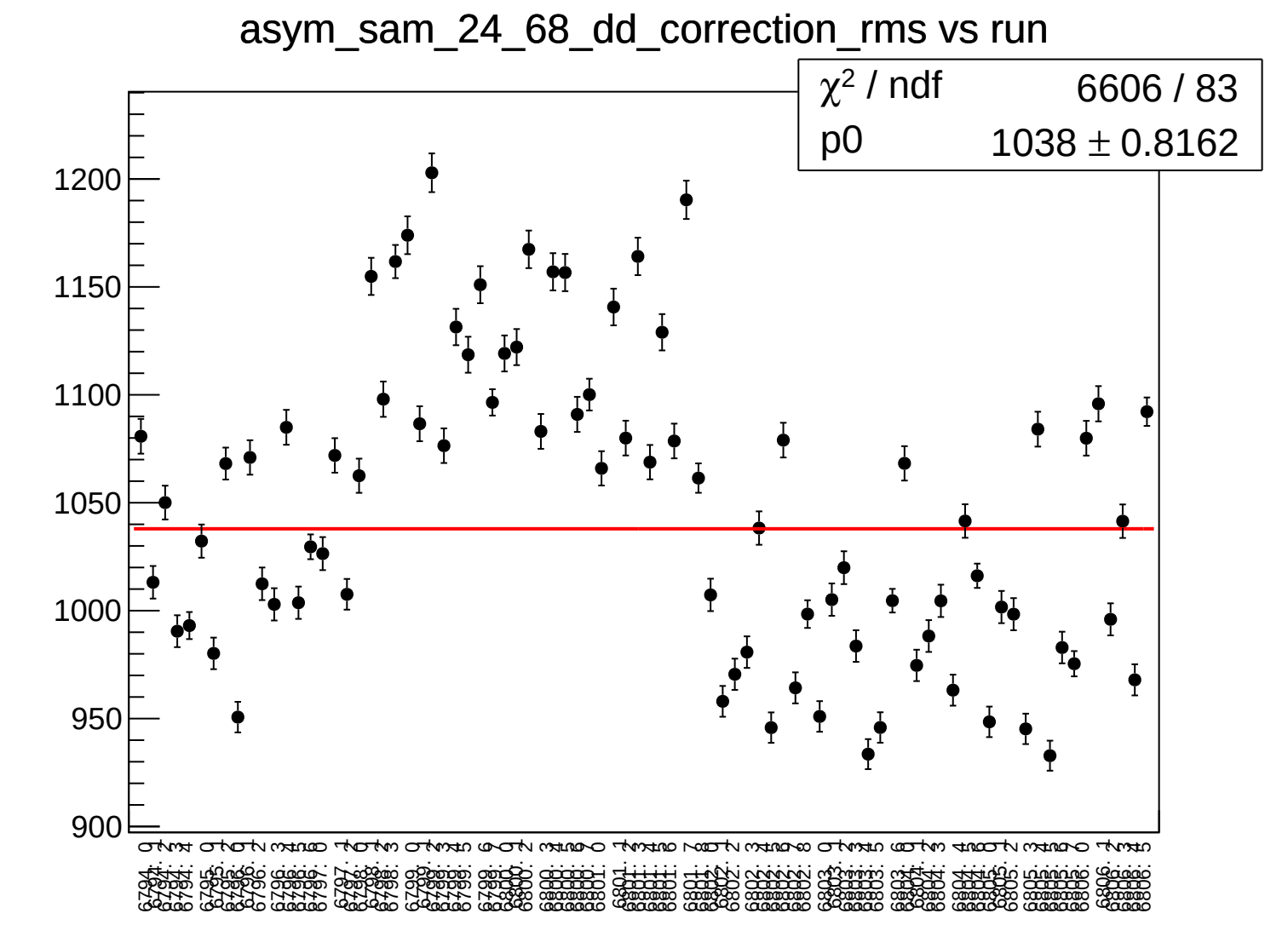

asym_sam_15_37_dd_rms vs run
χ^2 / ndf 5756 / 83
p0 413.2 ± 0.3248
480
460
440
420
400
380
360
340

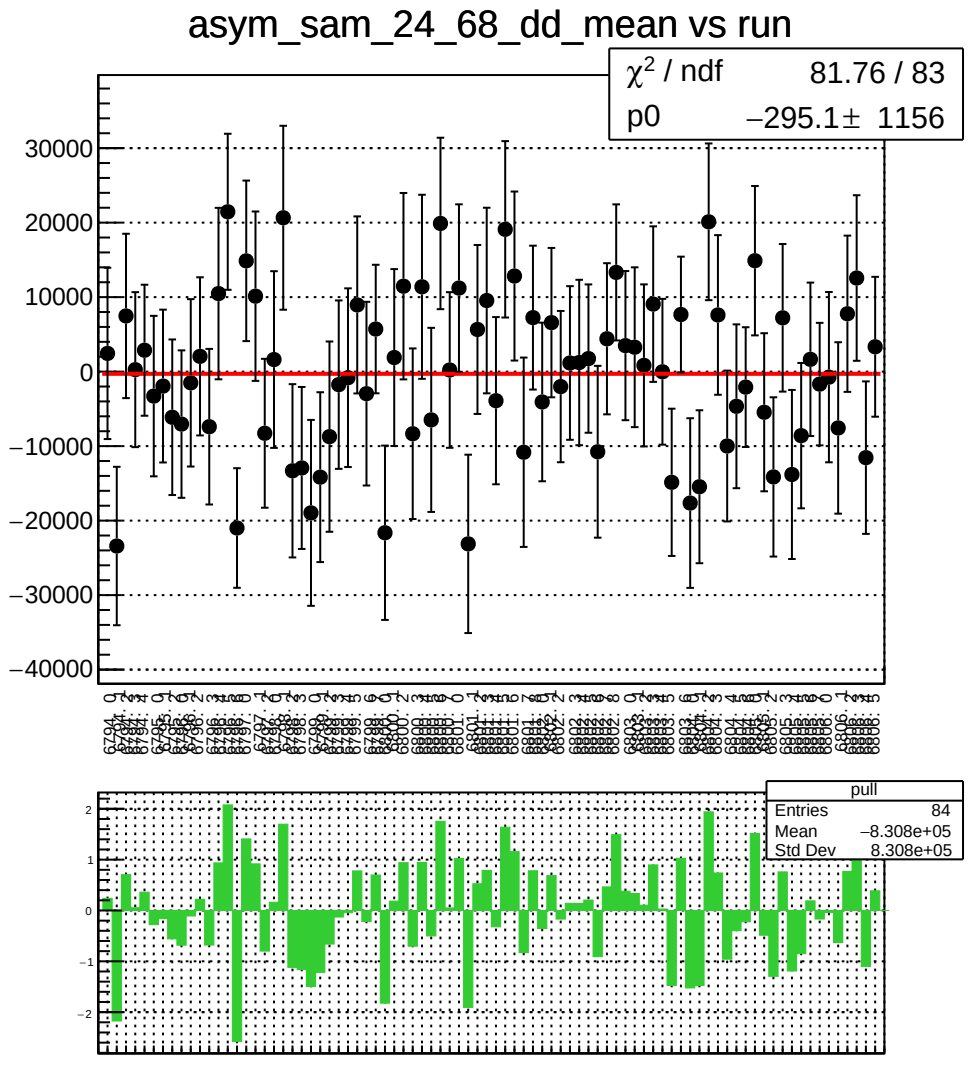

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 92.87 / 83
p0 60.42 ± 110.9
pull
Entries 84
Mean 374.4
Std Dev 260
pull1D
Entries 84
Mean −0.003472
Std Dev 1.051

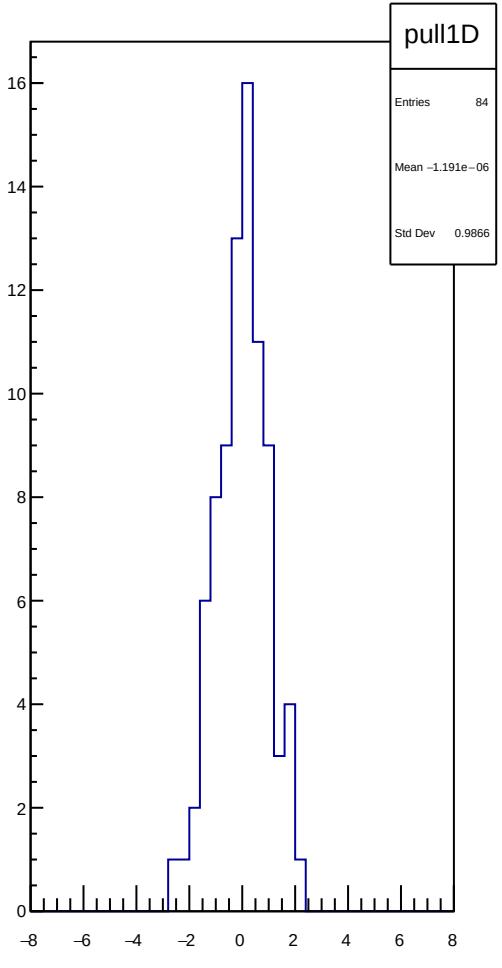

dit_asym_sam_24_68_dd_rms vs run
χ^2 / ndf 7819 / 83
p0 99.65 ± 0.07839
150
140
130
120
110
100
90

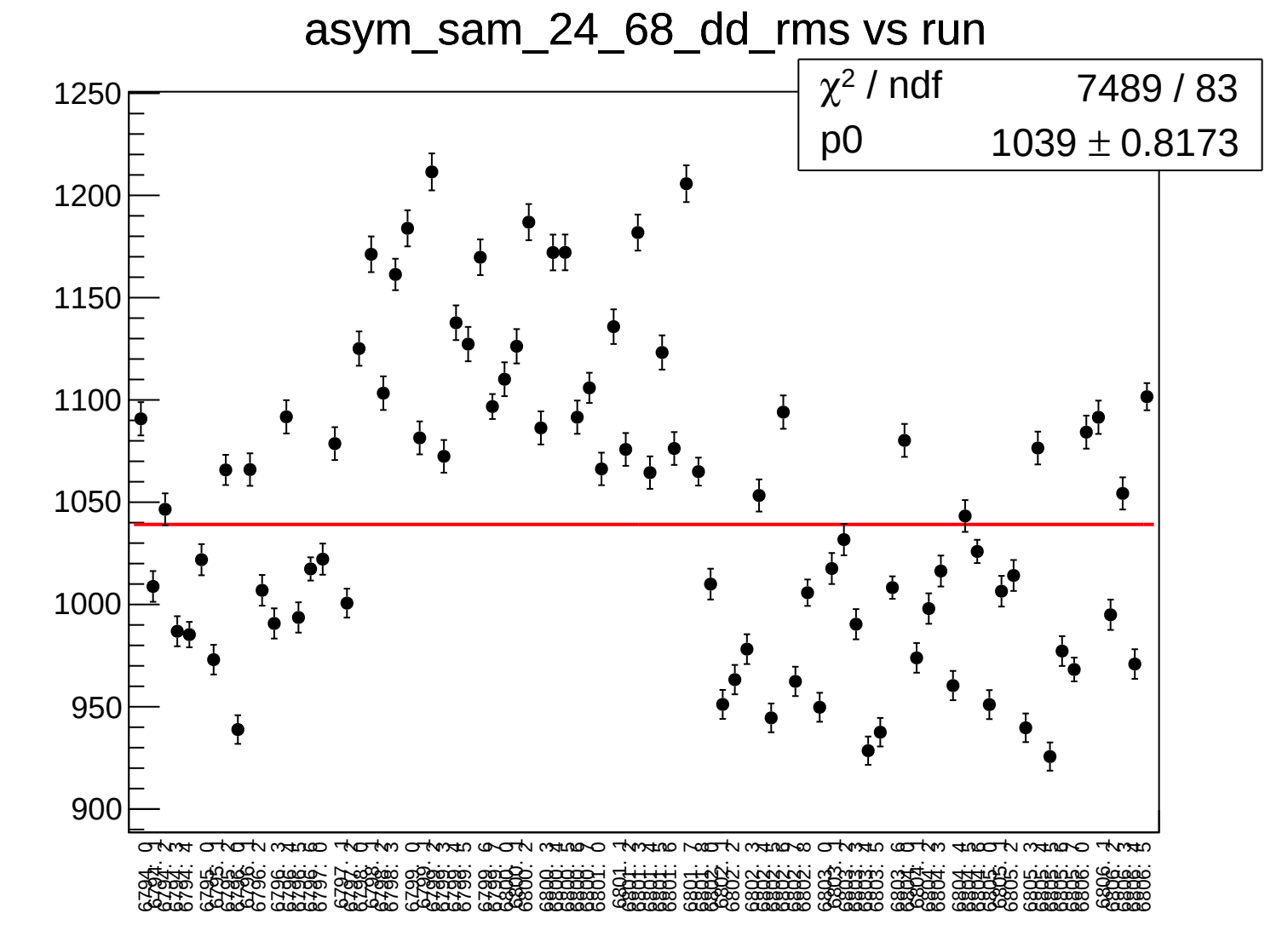

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 80.54 / 83
p0 294.7 ± 1154
pull
Entries 84
Mean −412.3
Std Dev 433.6

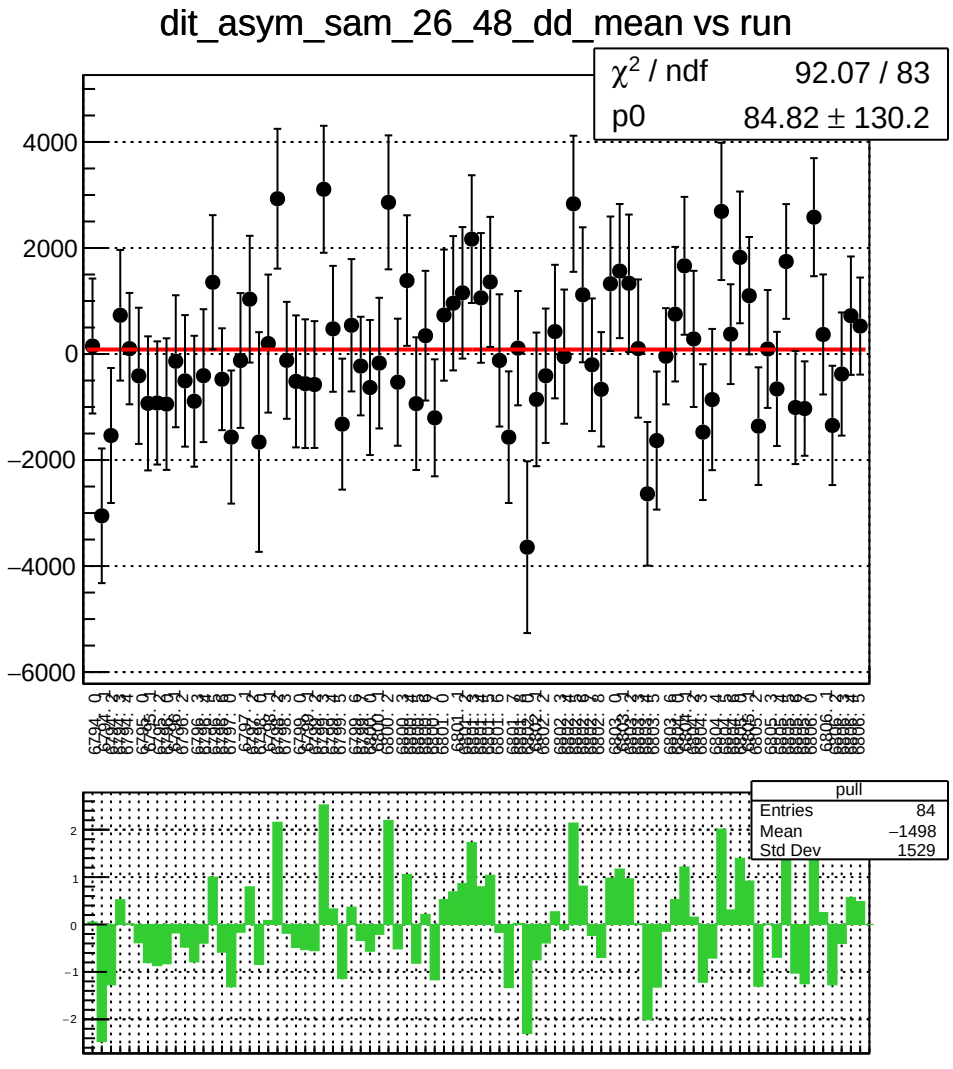

pull1D
Entries 84
Mean 0.002462
Std Dev 0.9792

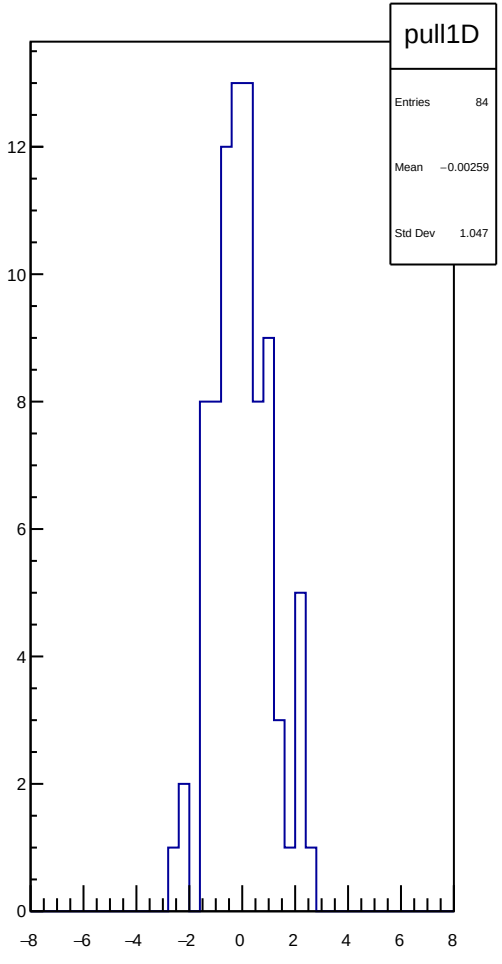

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 6606 / 83
p0 1038 ± 0.8162
1200
1150
1100
1050
1000
950
900

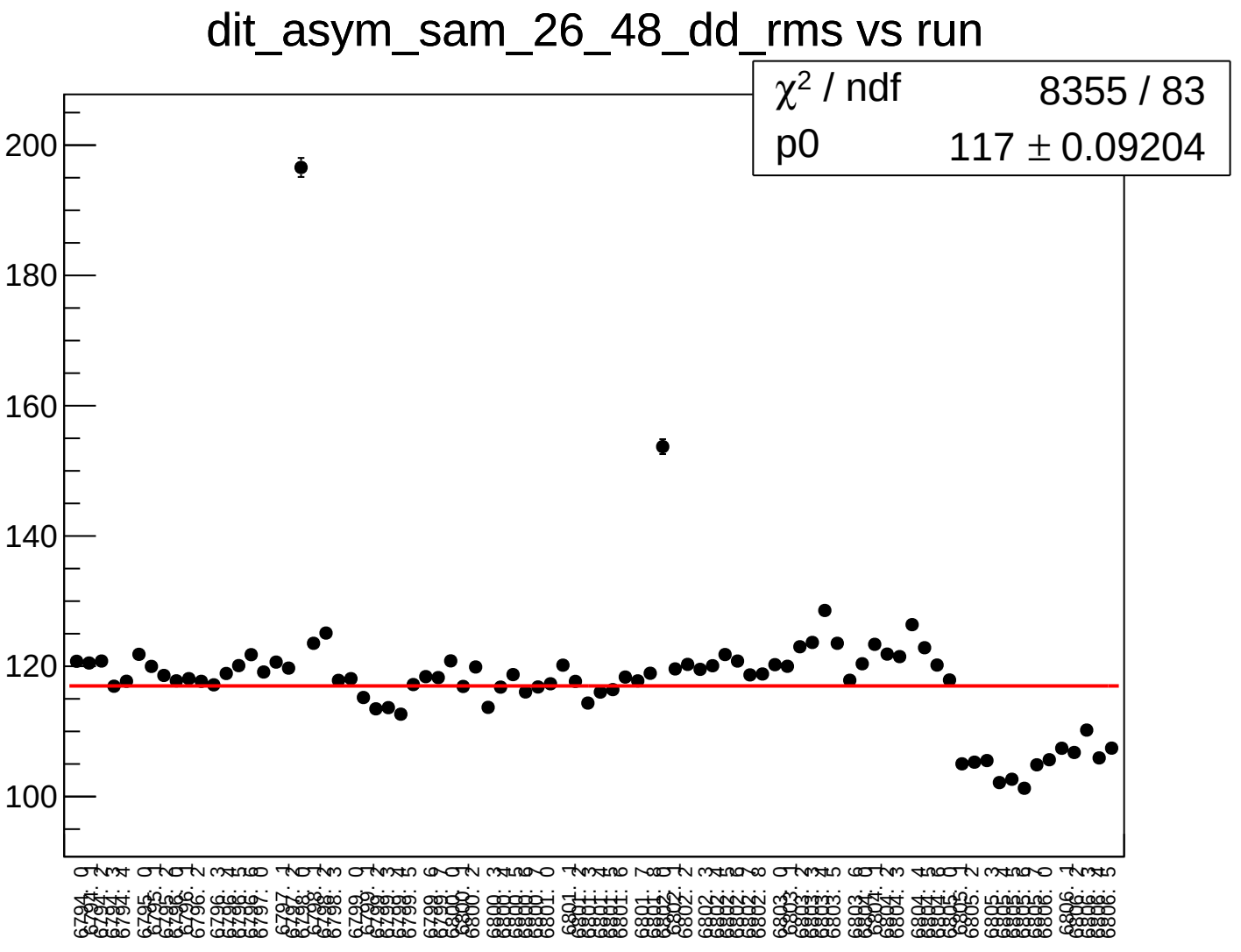

asym_sam_24_68_dd_mean vs run
χ² / ndf 81.76 / 83
p0 −295.1± 1156
pull
Entries 84
Mean −8.308e+05
Std Dev 8.308e+05

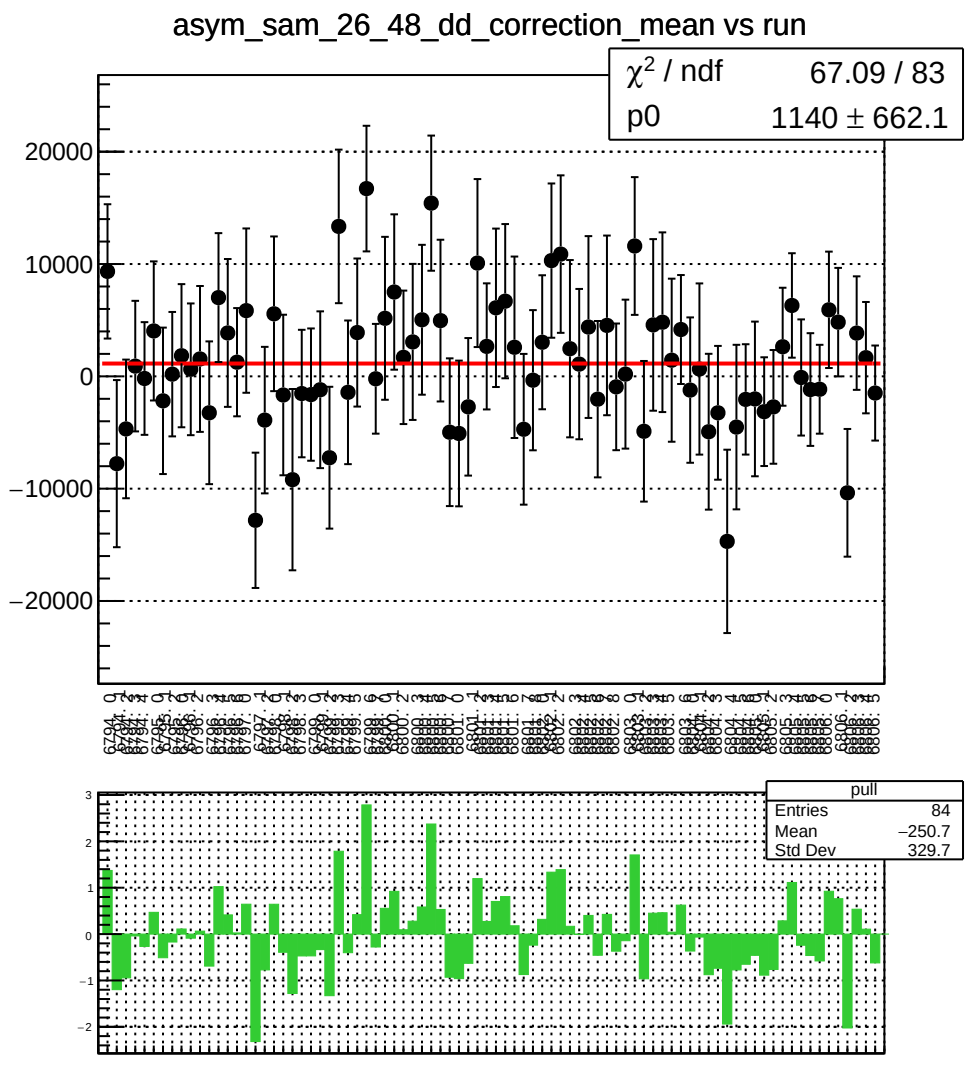

pull1D
Entries 84
Mean −1.191e−06
Std Dev 0.9866

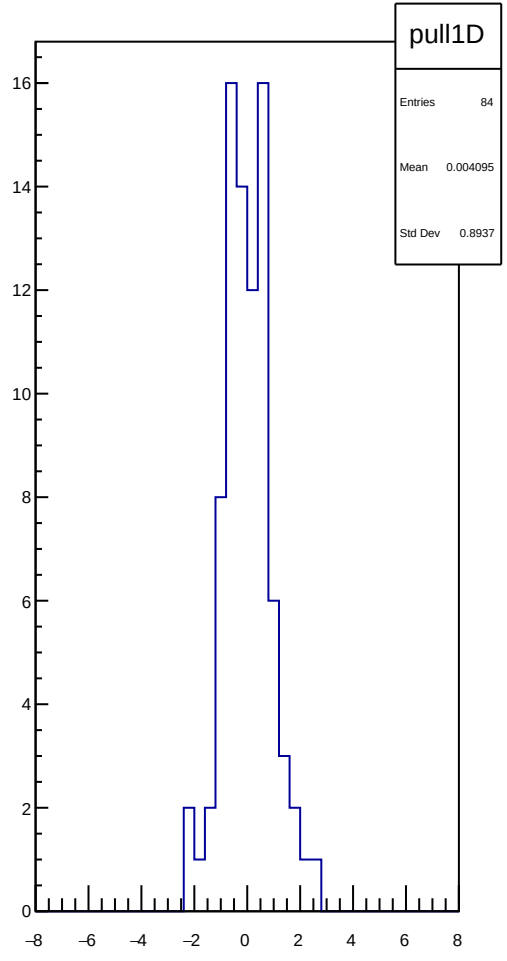

asym_sam_24_68_dd_rms vs run
χ² / ndf 7489 / 83
p0 1039 ± 0.8173
1250
1200
1150
1100
1050
1000
950
900

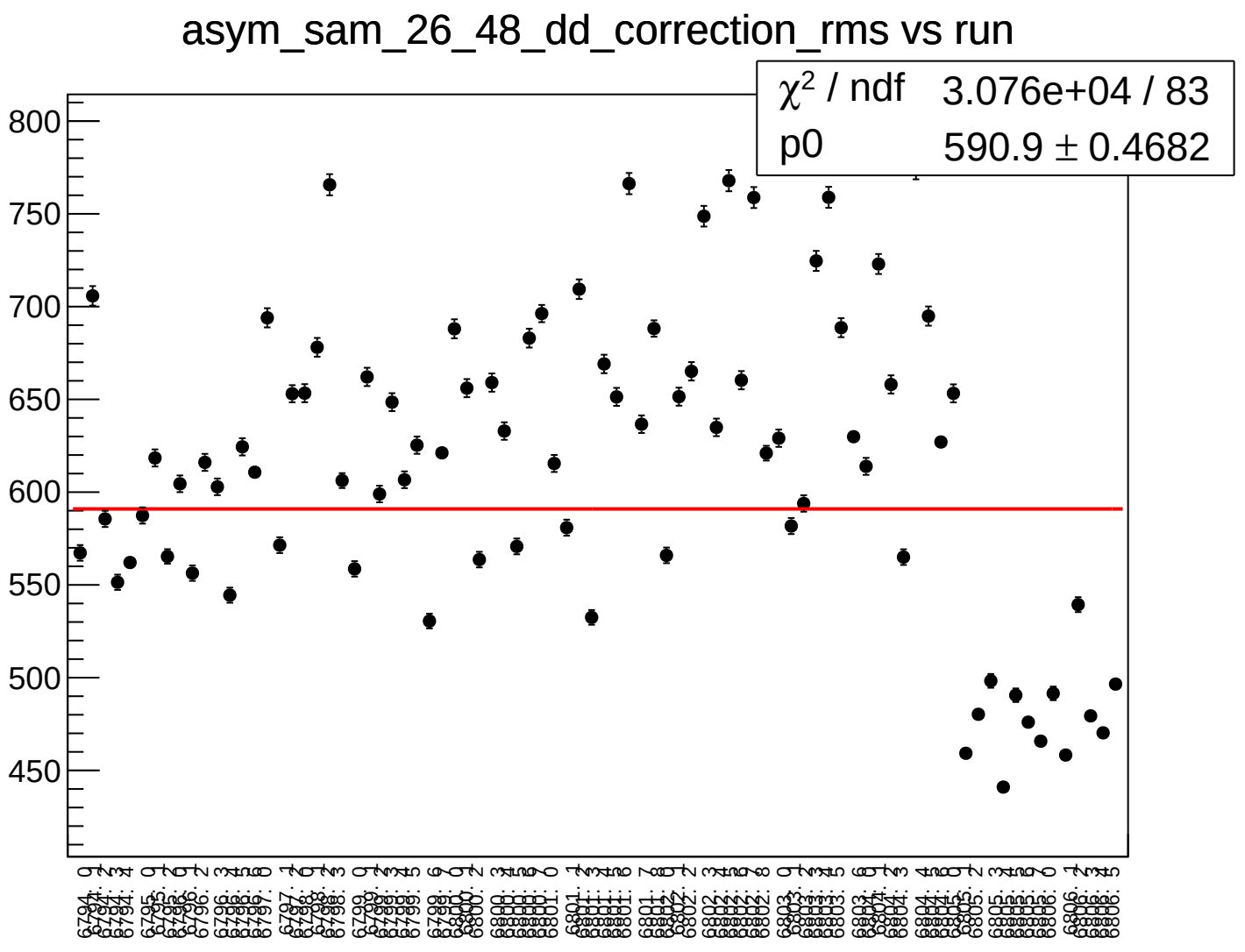

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 92.07 / 83
p0 84.82 ± 130.2
4000
2000
0
−2000
−4000
−6000
pull
Entries 84
Mean −1498
Std Dev 1529
2
1
0
−1
−2

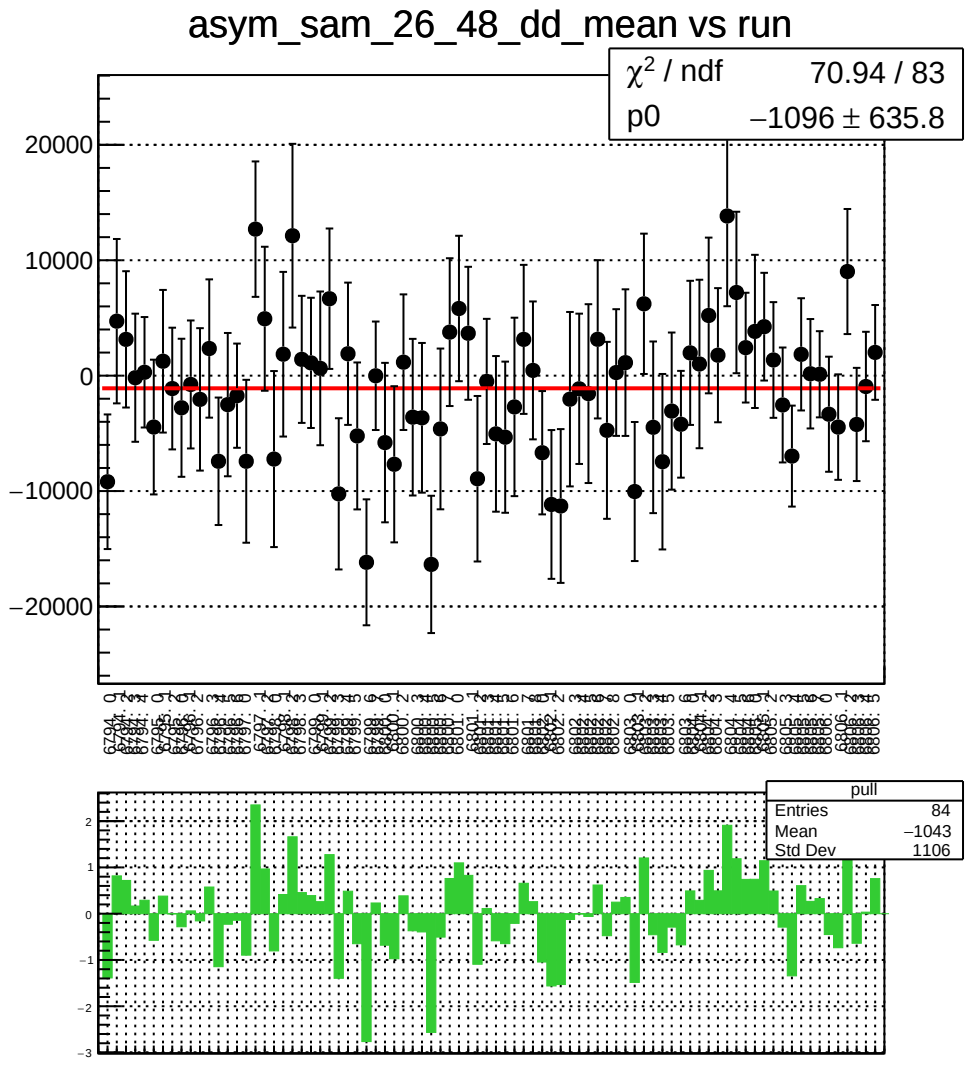

pull1D
Entries 84
Mean −0.00259
Std Dev 1.047
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

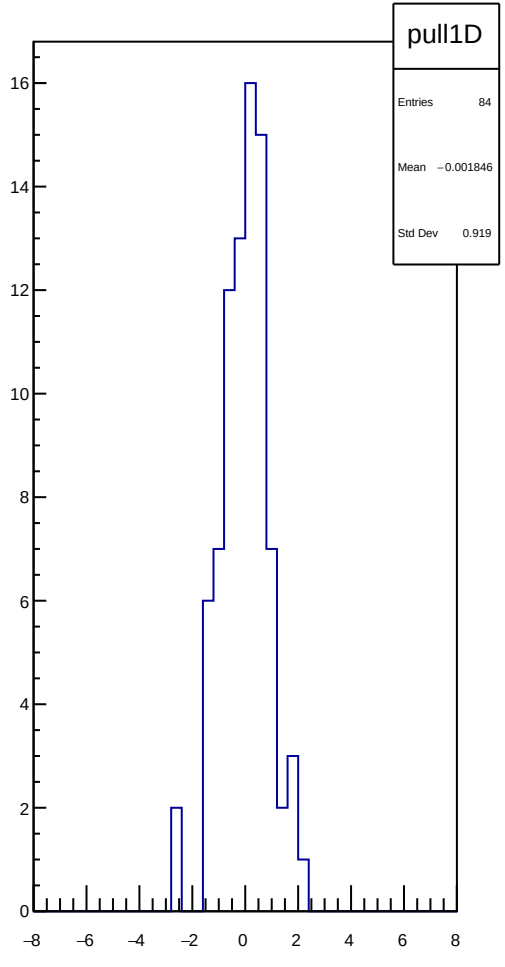

dit_asym_sam_26_48_dd_rms vs run
χ^2 / ndf 8355 / 83
p0 117 ± 0.09204
200
180
160
140
120
100

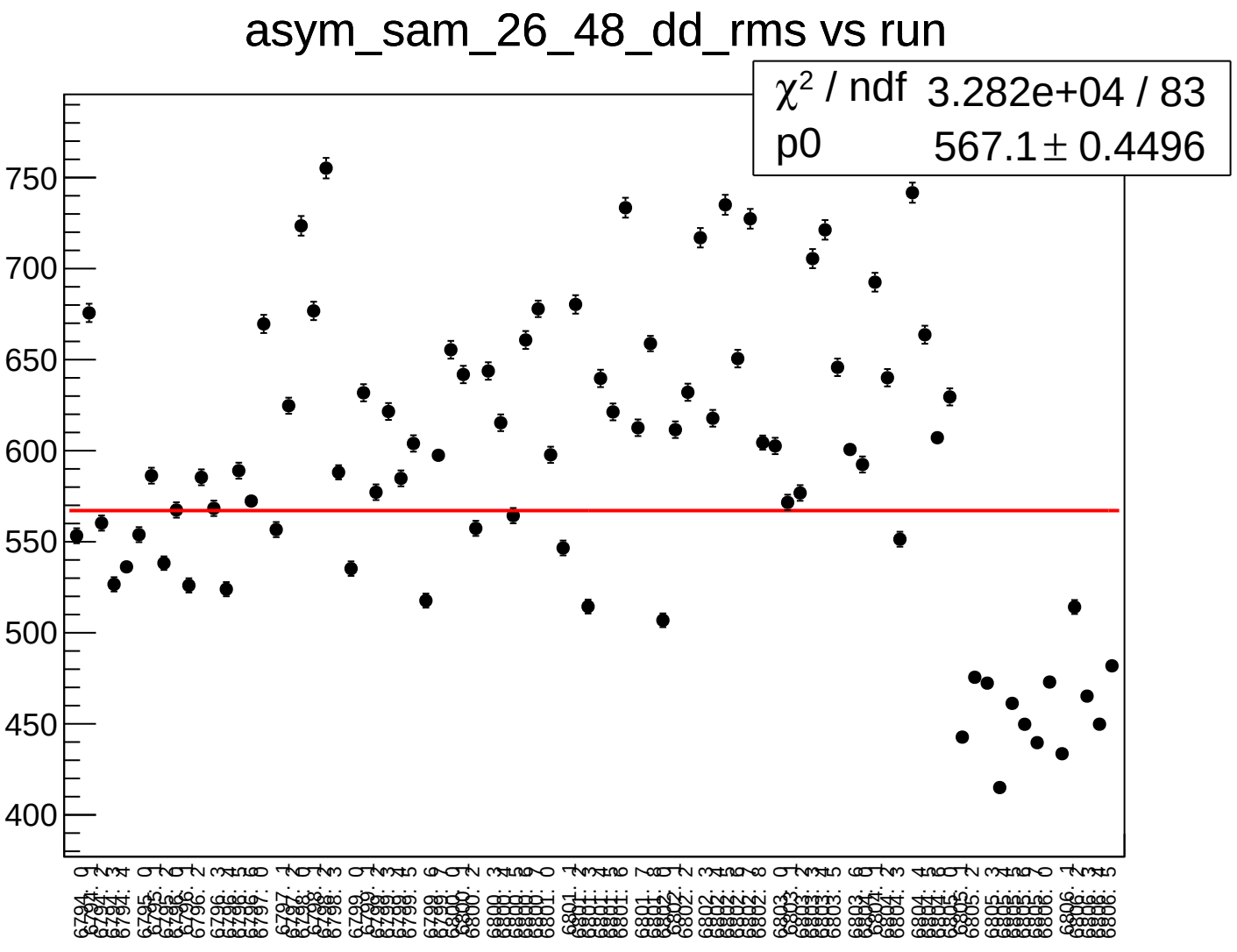

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 67.09 / 83
p0 1140 ± 662.1
20000
10000
0
−10000
−20000
pull
Entries 84
Mean −250.7
Std Dev 329.7
3
2
1
0
−1
−2

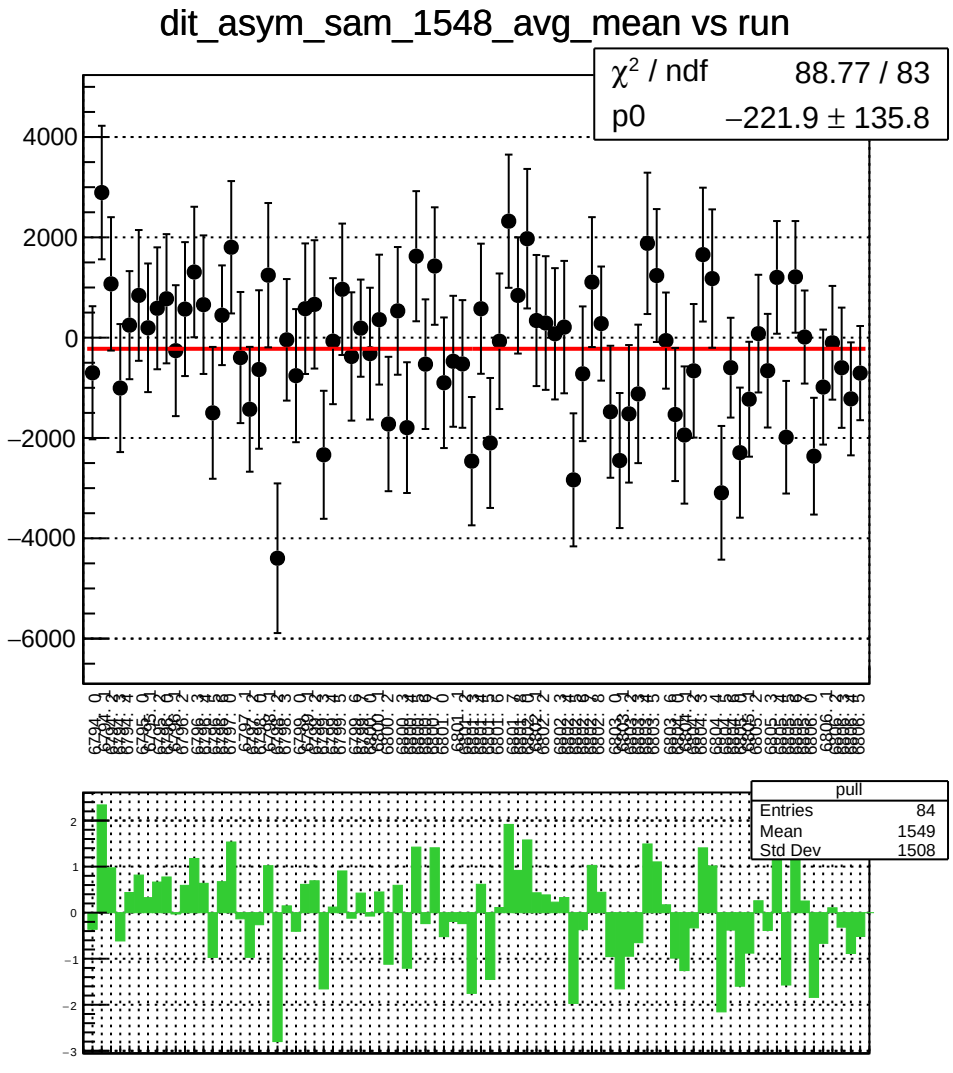

pull1D
Entries 84
Mean 0.004095
Std Dev 0.8937
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

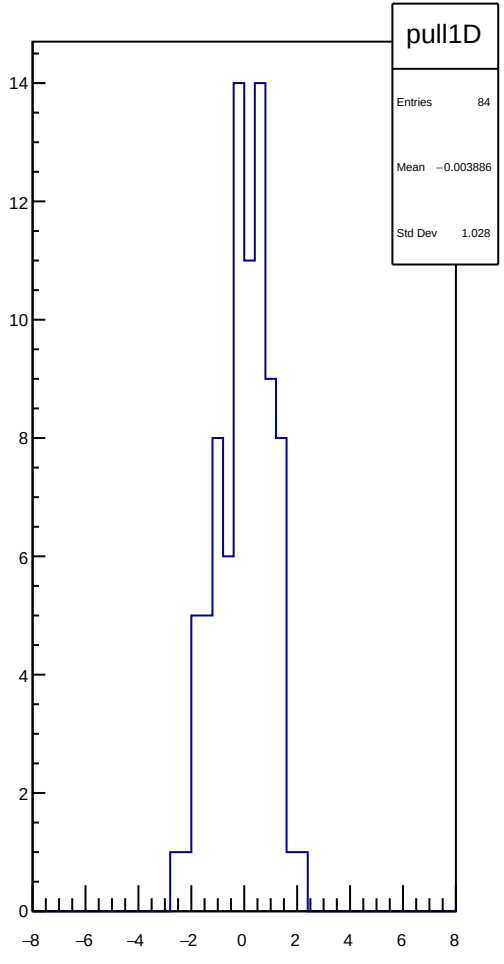

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 3.076e+04 / 83
p0 590.9 ± 0.4682
800
750
700
650
600
550
500
450

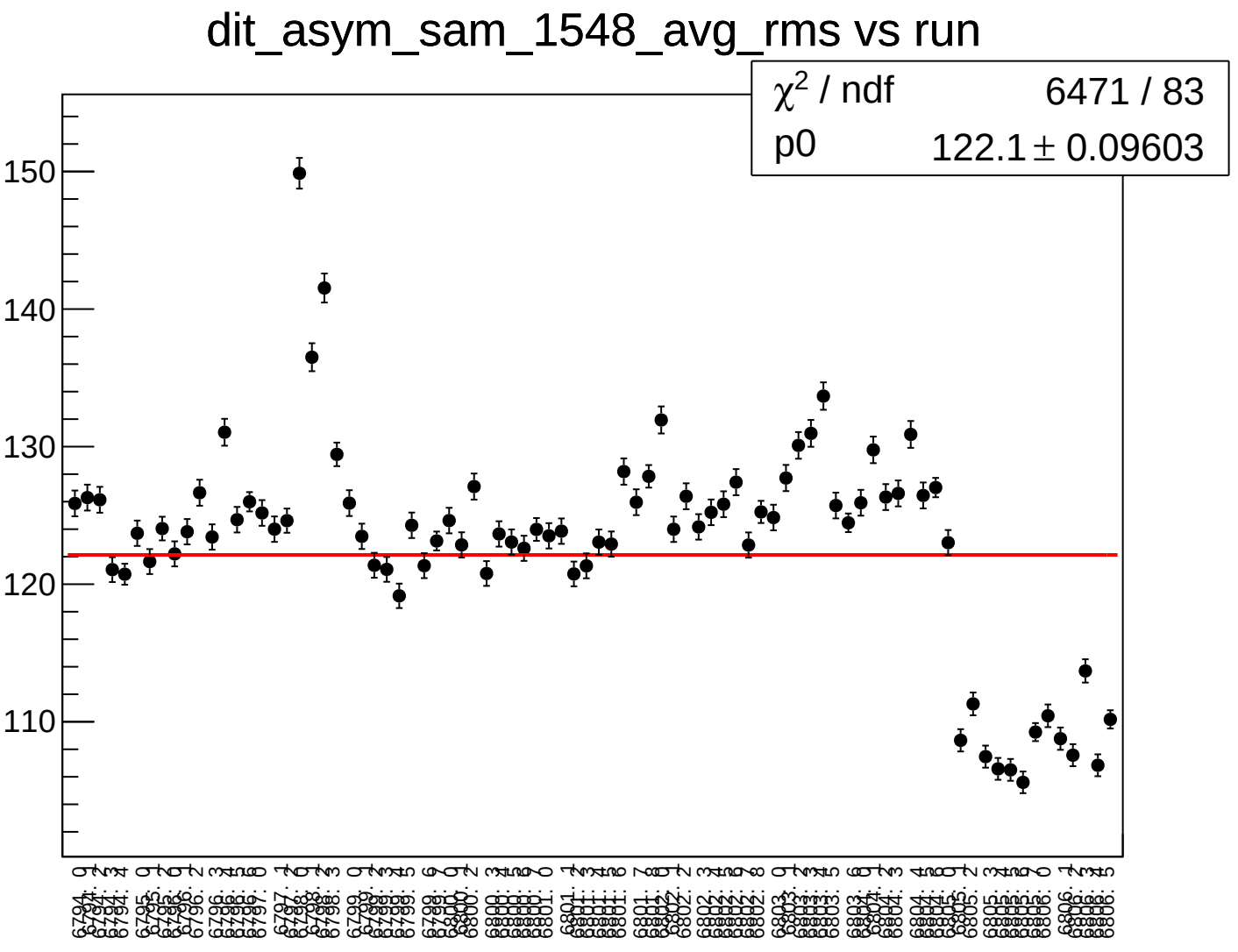

asym_sam_26_48_dd_mean vs run
χ² / ndf 70.94 / 83
p0 −1096 ± 635.8
20000
10000
0
−10000
−20000
pull
Entries 84
Mean −1043
Std Dev 1106
2
1
0
−1
−2
−3

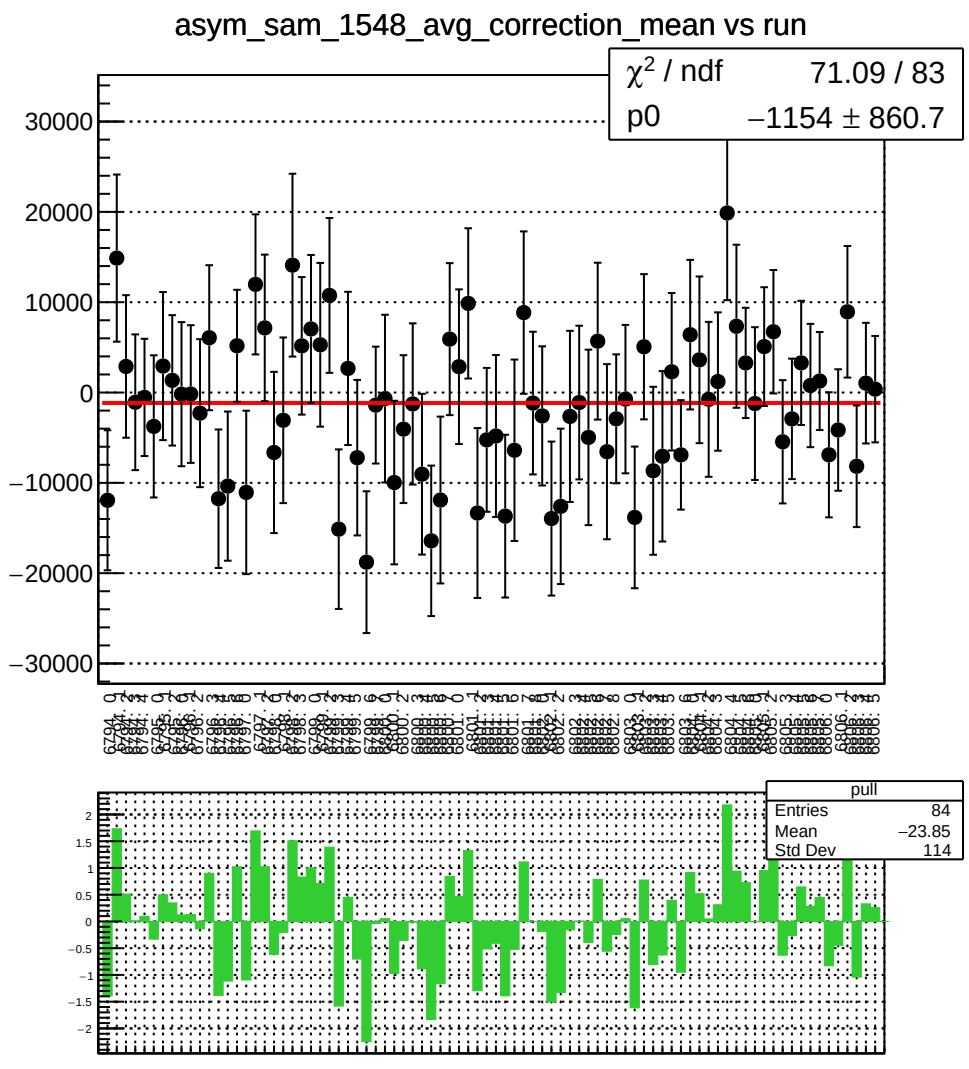

pull1D
Entries 84
Mean −0.001846
Std Dev 0.919
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

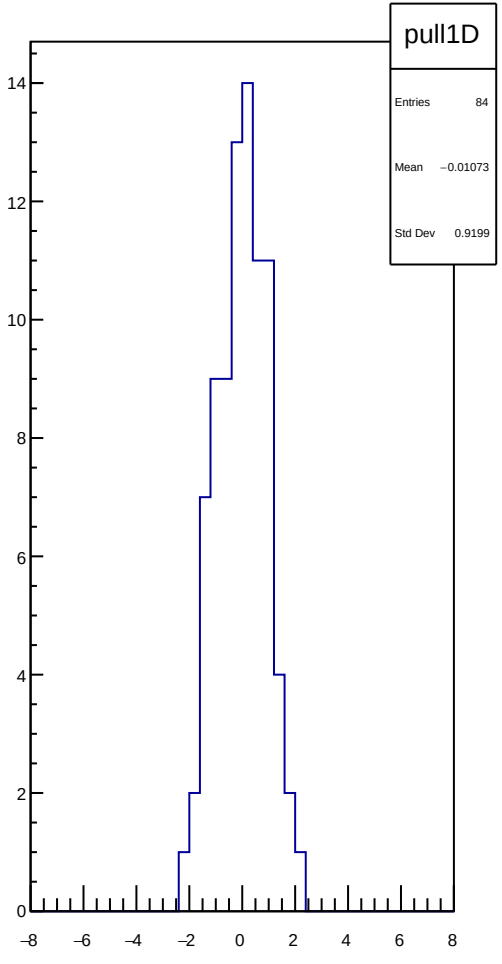

asym_sam_26_48_dd_rms vs run
χ² / ndf 3.282e+04 / 83
p0 567.1 ± 0.4496
750
700
650
600
550
500
450
400

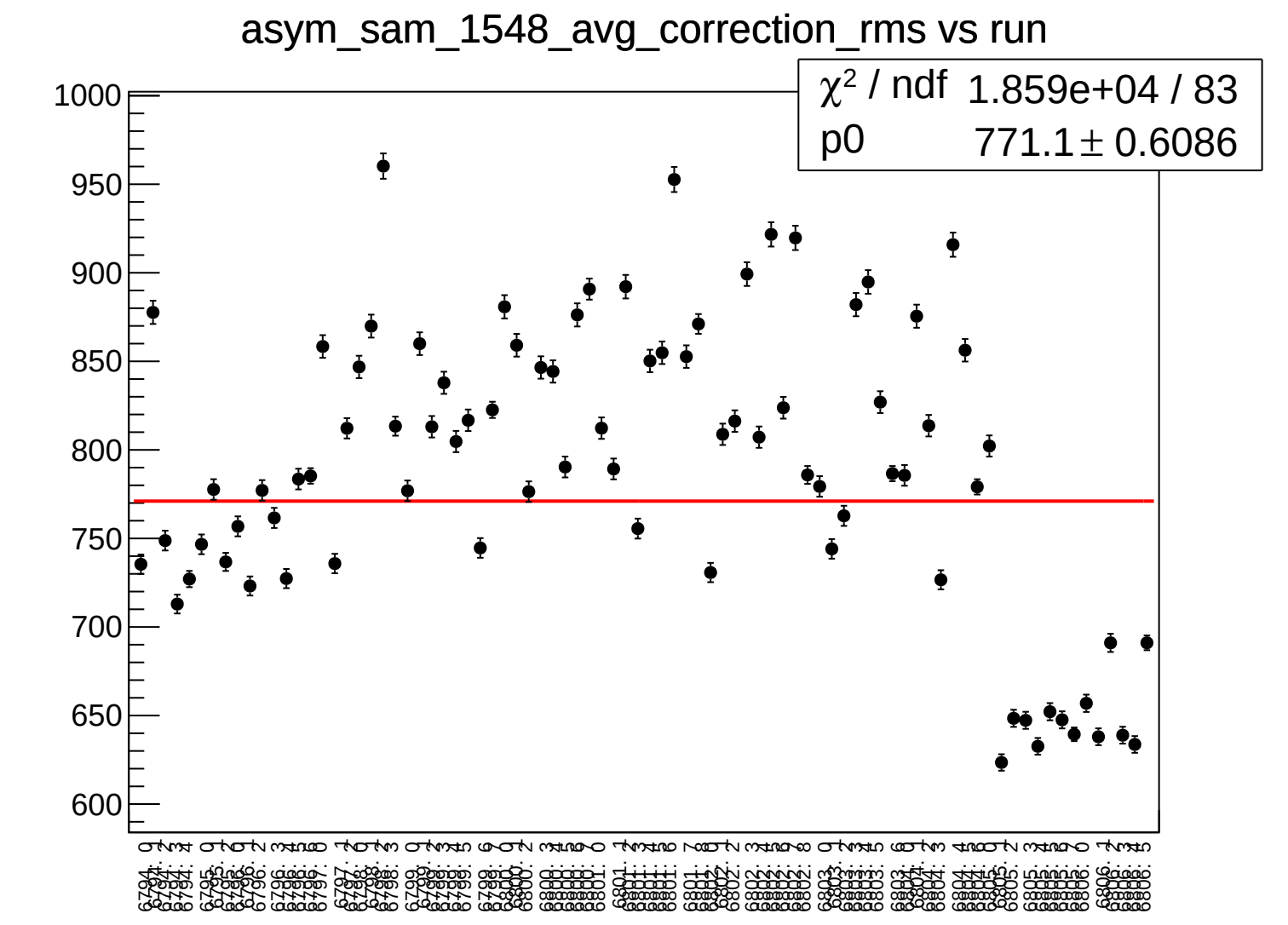

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 88.77 / 83
p0 −221.9 ± 135.8
4000
2000
0
−2000
−4000
−6000
pull
Entries 84
Mean 1549
Std Dev 1508
2
1
0
−1
−2
−3

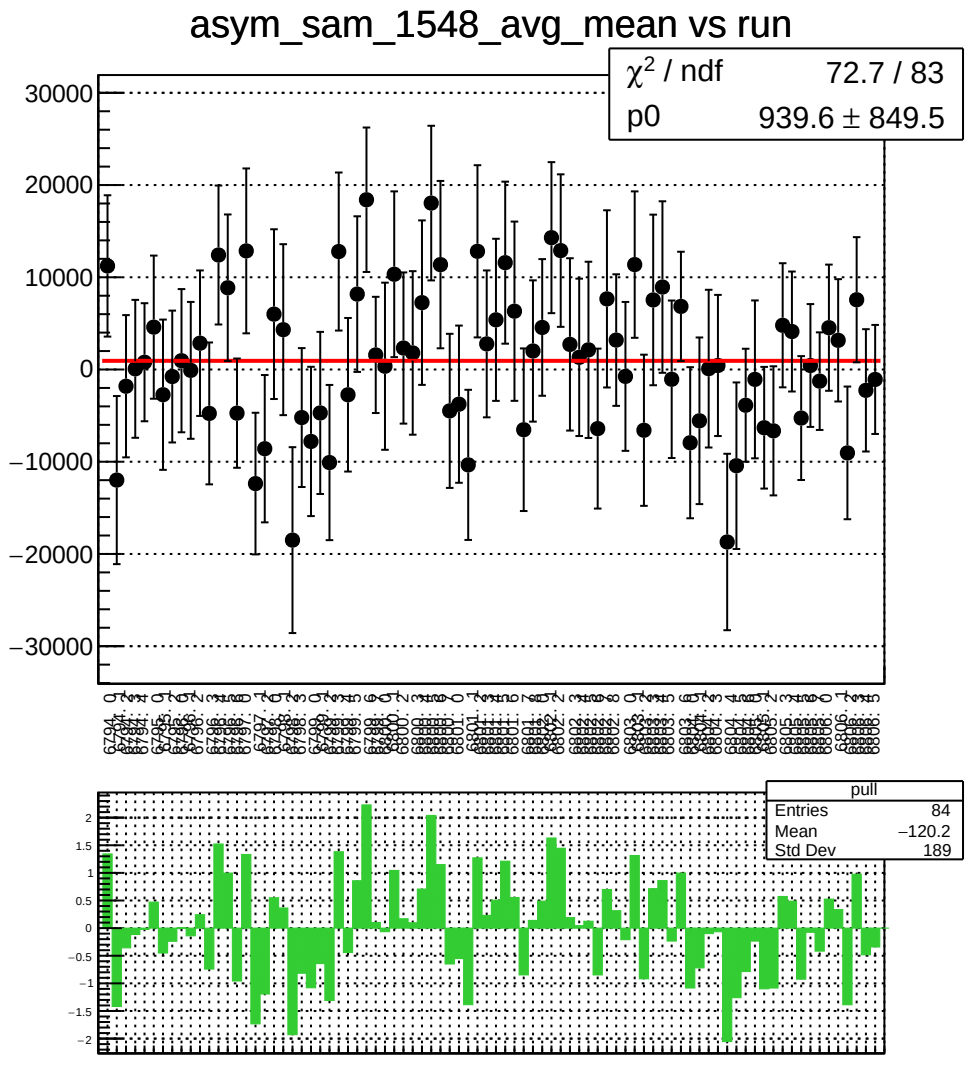

pull1D
Entries 84
Mean −0.003886
Std Dev 1.028
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

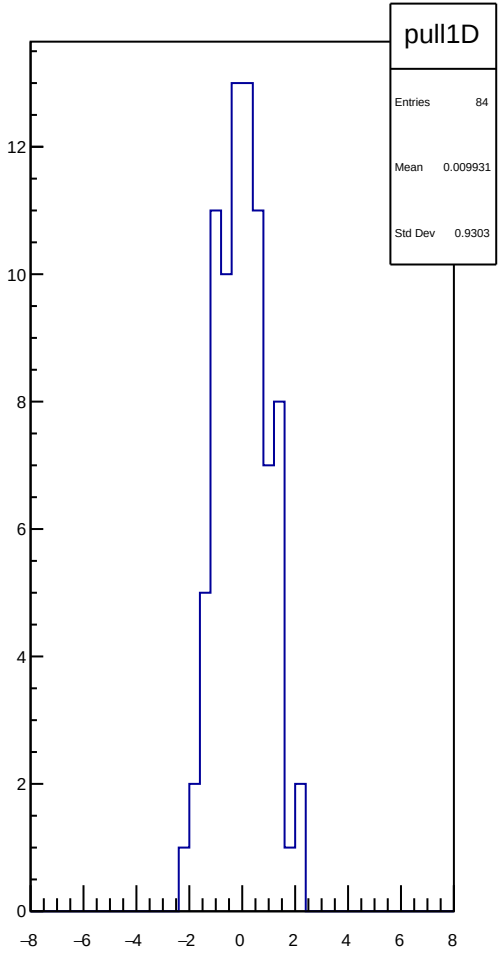

dit_asym_sam_1548_avg_rms vs run
χ^2 / ndf 6471 / 83
p0 122.1 ± 0.09603
150
140
130
120
110

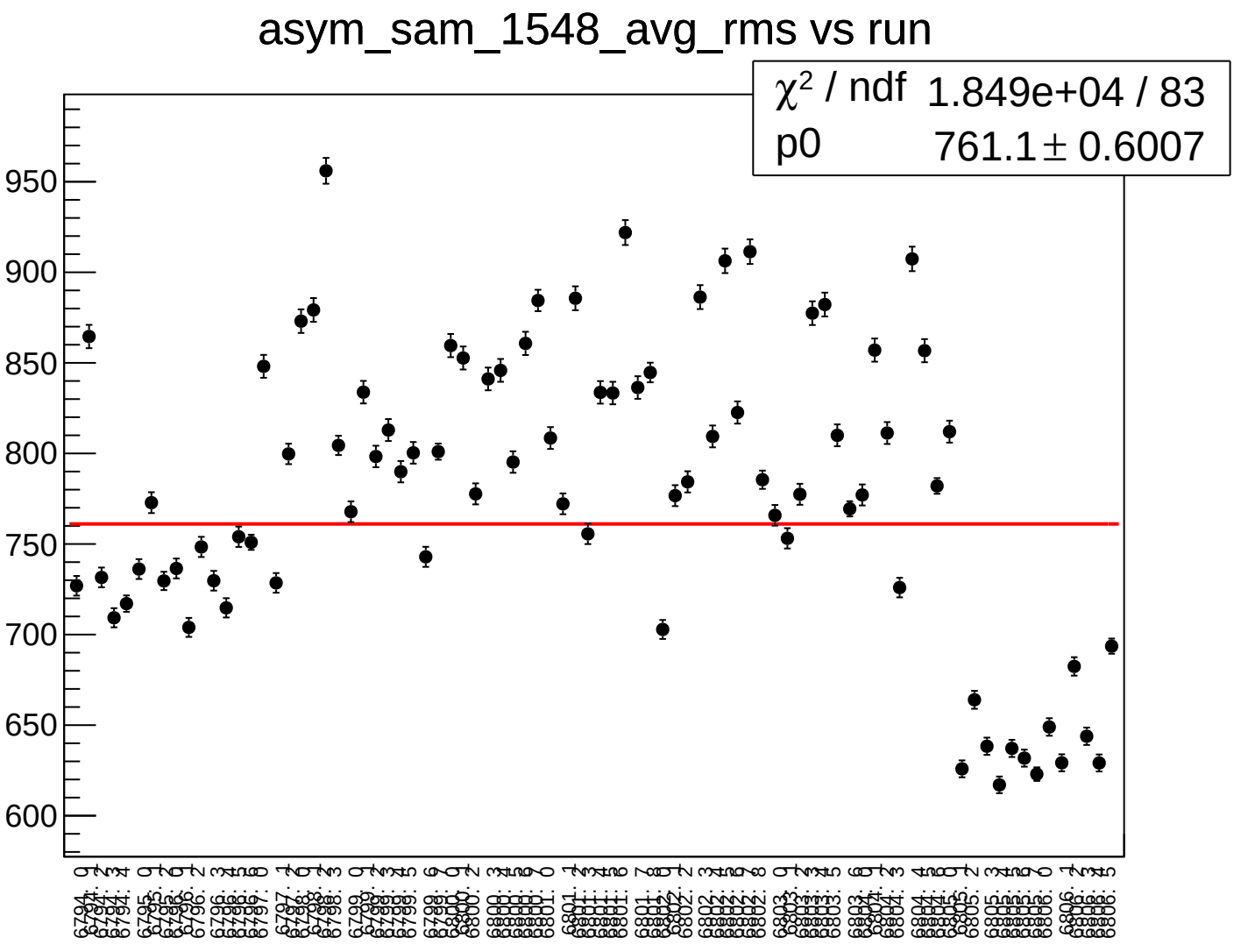

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 71.09 / 83
p0 −1154 ± 860.7
pull
Entries 84
Mean −23.85
Std Dev 114

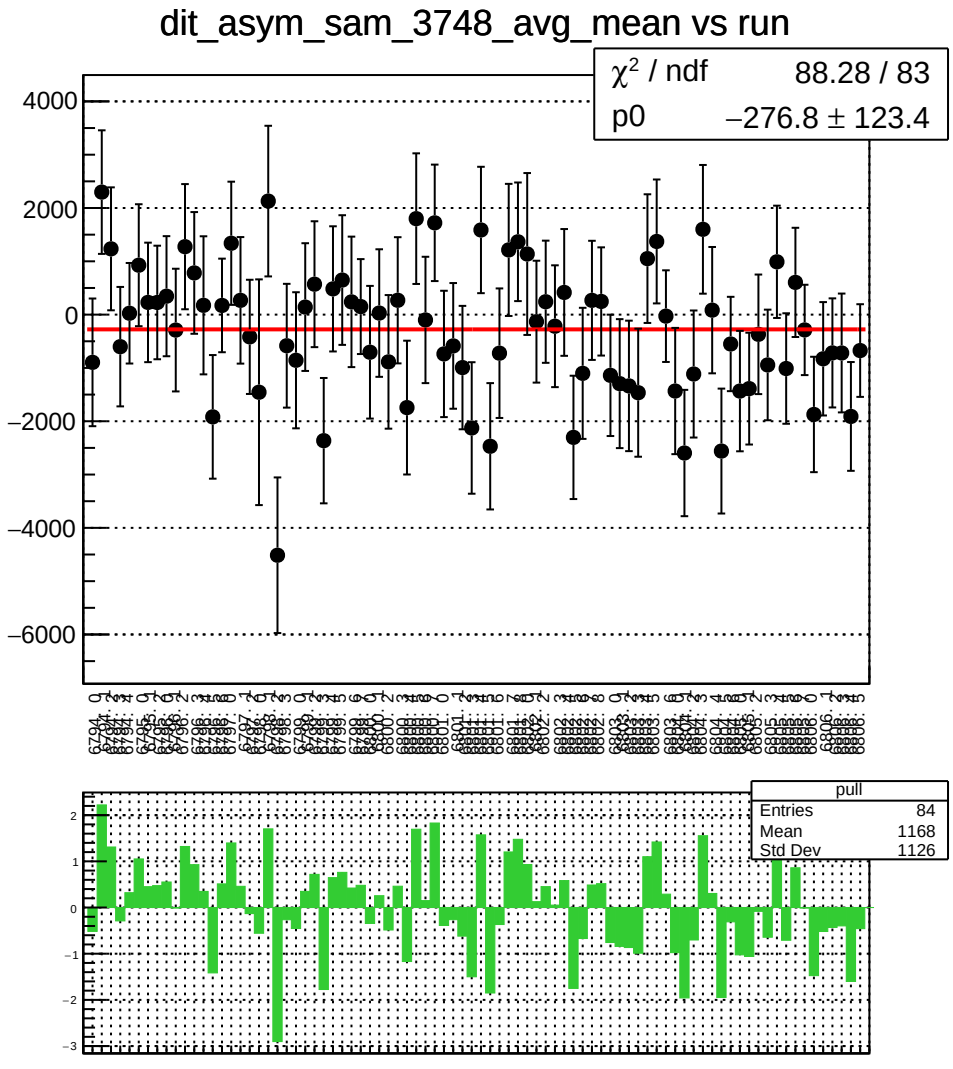

pull1D
Entries 84
Mean −0.01073
Std Dev 0.9199

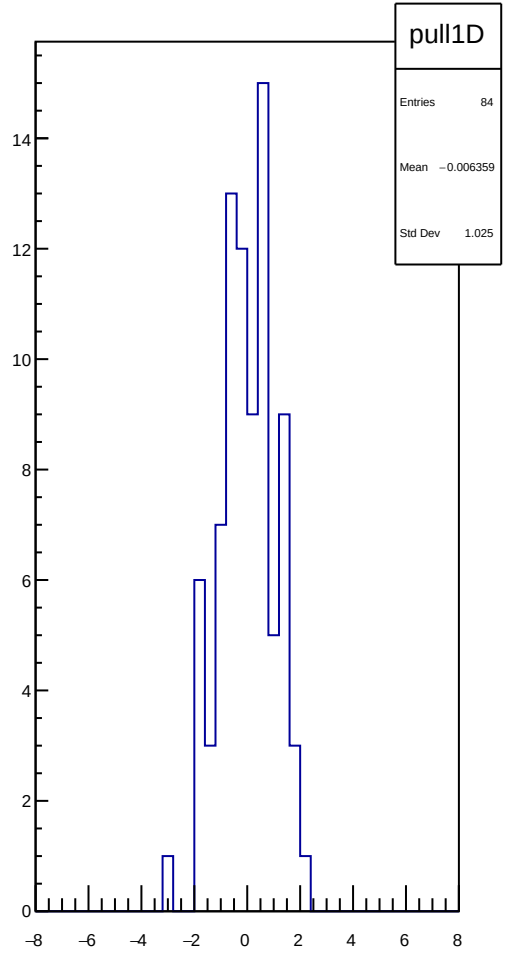

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 1.859e+04 / 83
p0 771.1 ± 0.6086
1000
950
900
850
800
750
700
650
600

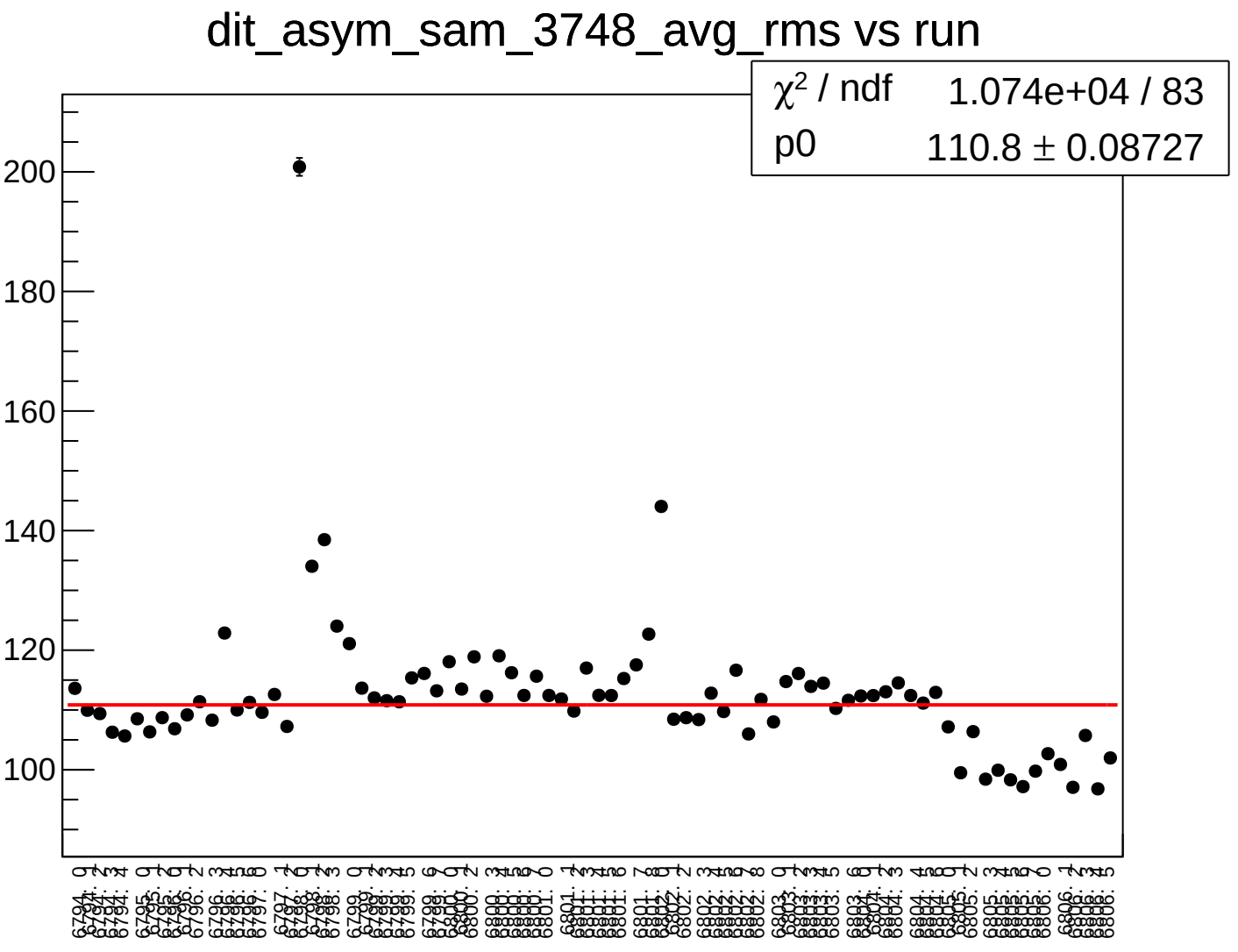

asym_sam_1548_avg_mean vs run
χ² / ndf 72.7 / 83
p0 939.6 ± 849.5
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 84
Mean −120.2
Std Dev 189
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

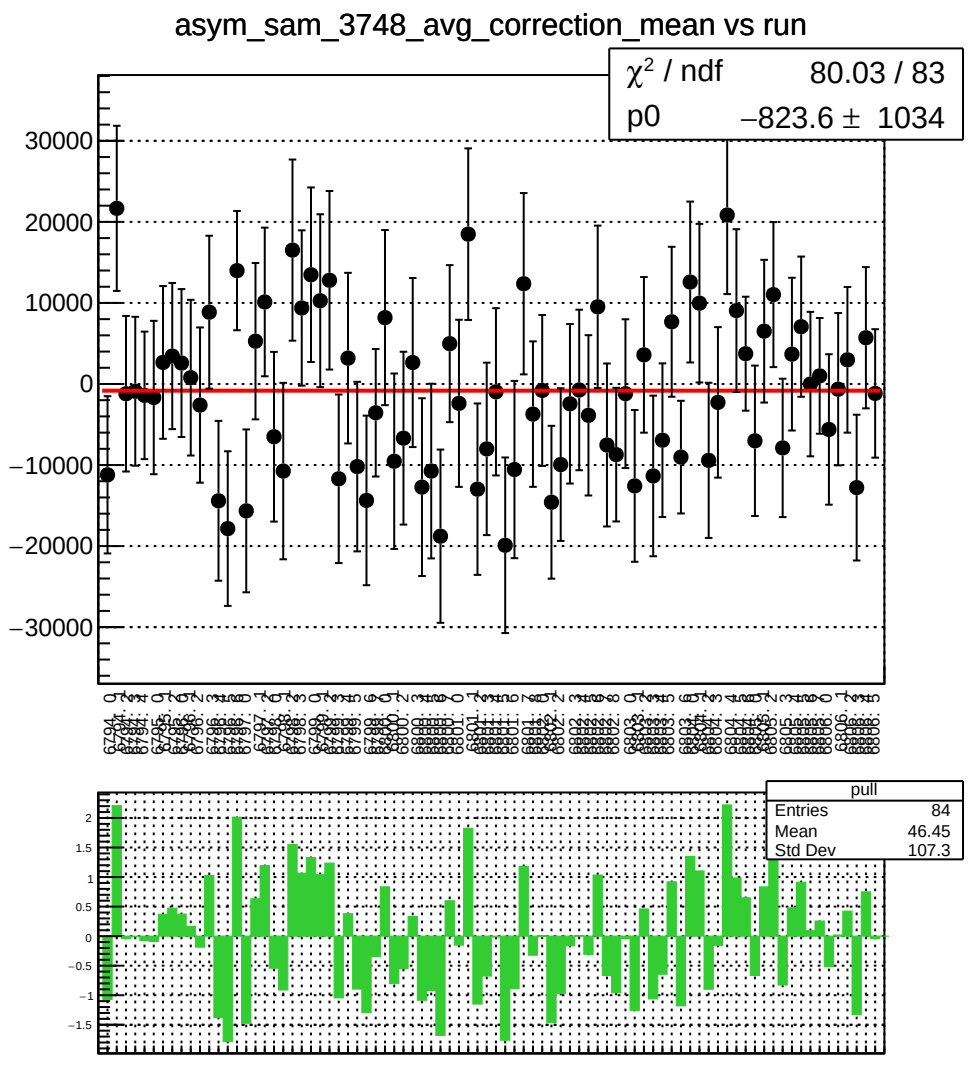

pull1D
Entries 84
Mean 0.009931
Std Dev 0.9303
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

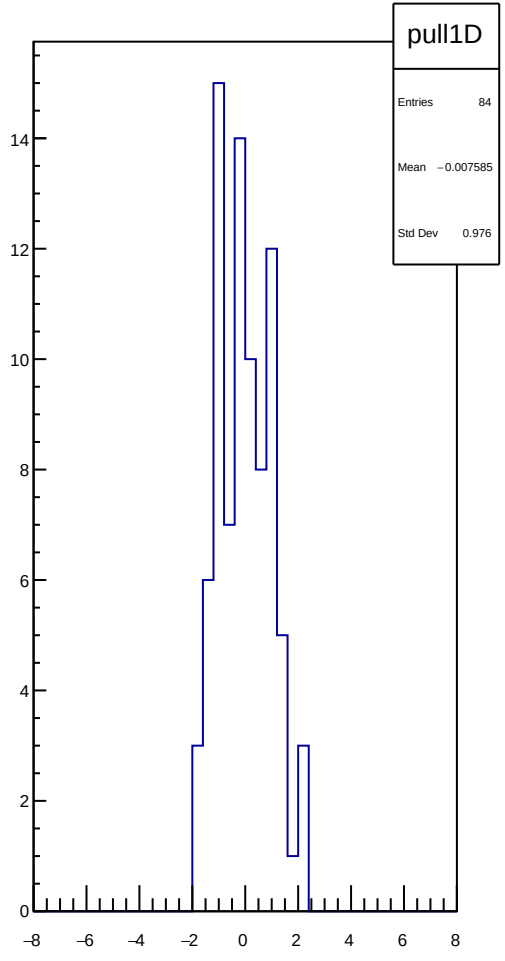

asym_sam_1548_avg_rms vs run
χ² / ndf 1.849e+04 / 83
p0 761.1 ± 0.6007
950
900
850
800
750
700
650
600

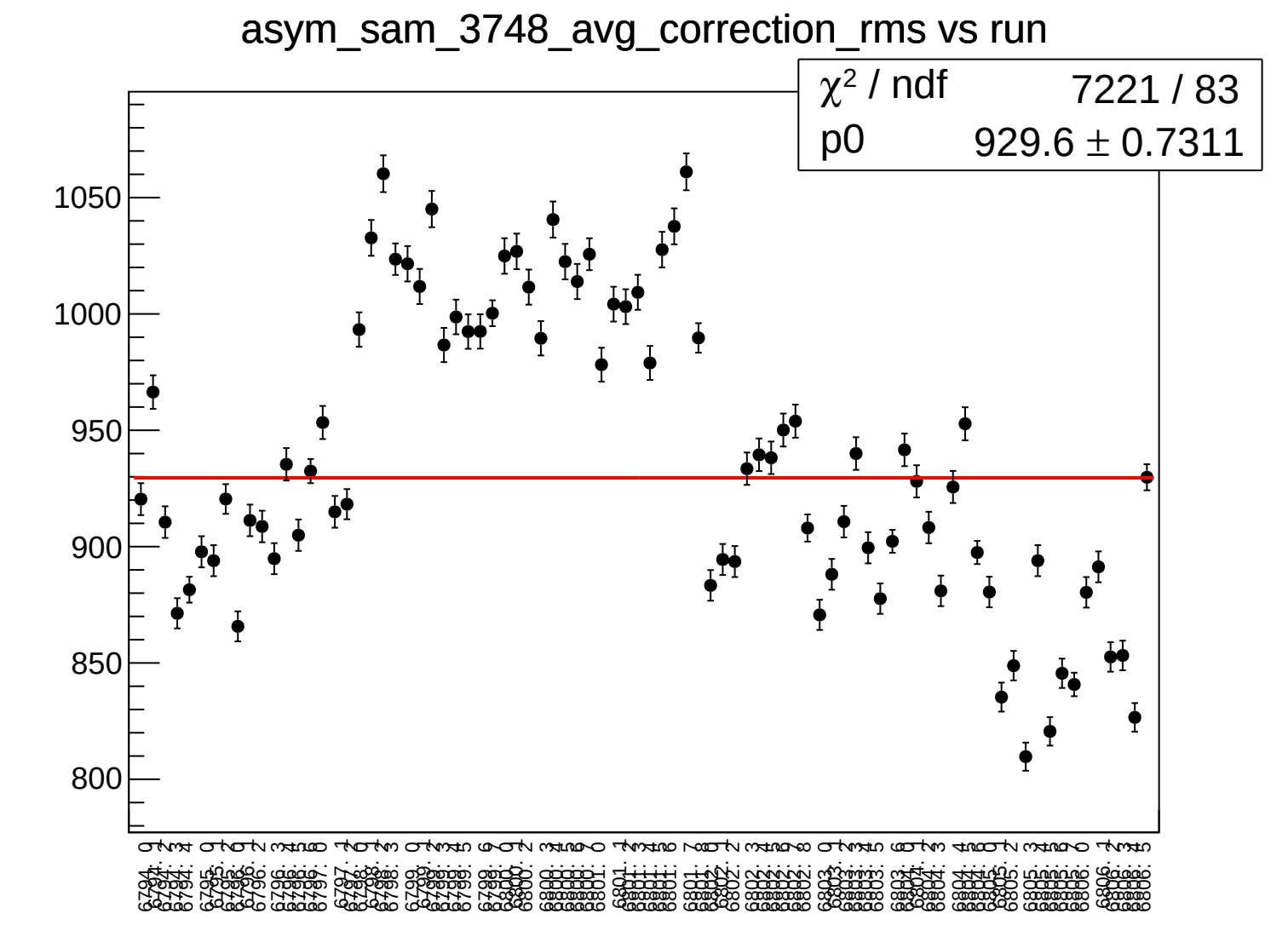

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 88.28 / 83
p0 −276.8 ± 123.4
4000
2000
0
−2000
−4000
−6000
pull
Entries 84
Mean 1168
Std Dev 1126
2
1
0
−1
−2
−3

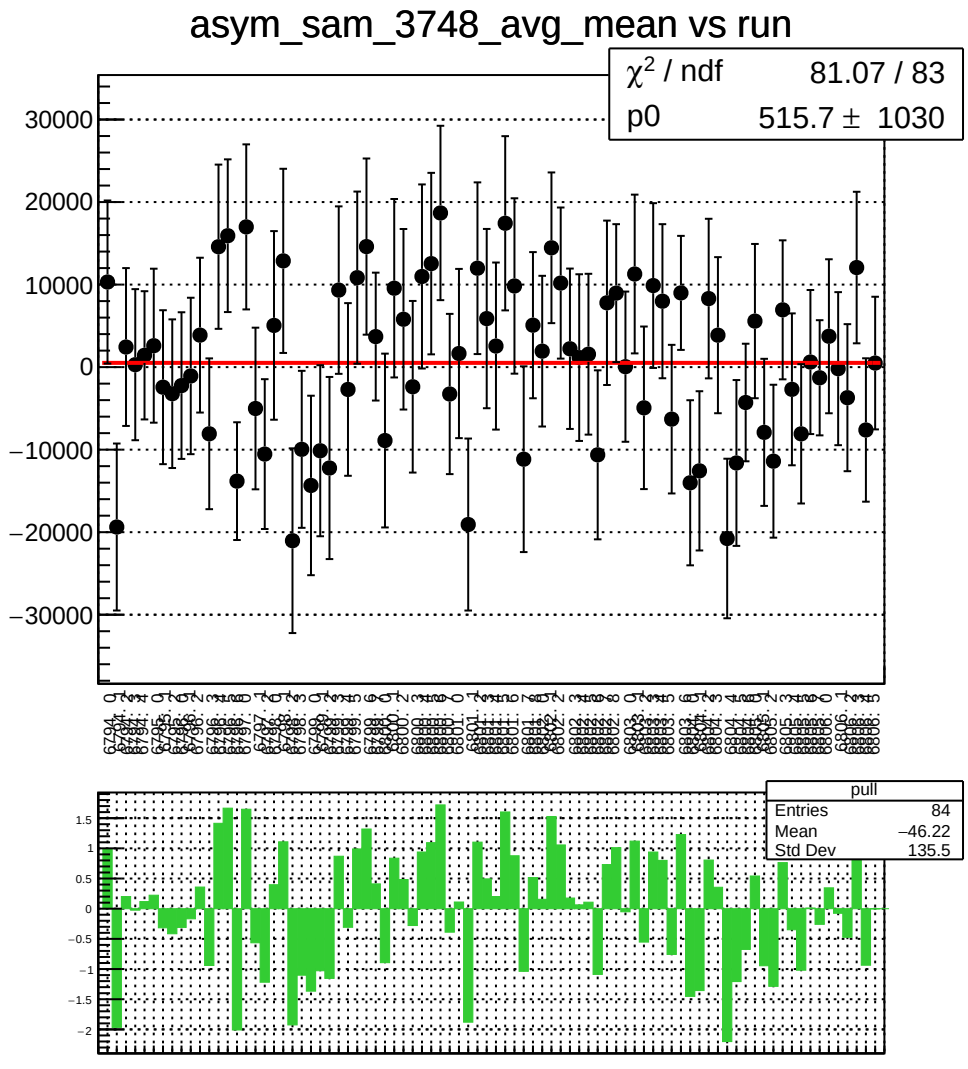

pull1D
Entries 84
Mean −0.006359
Std Dev 1.025
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

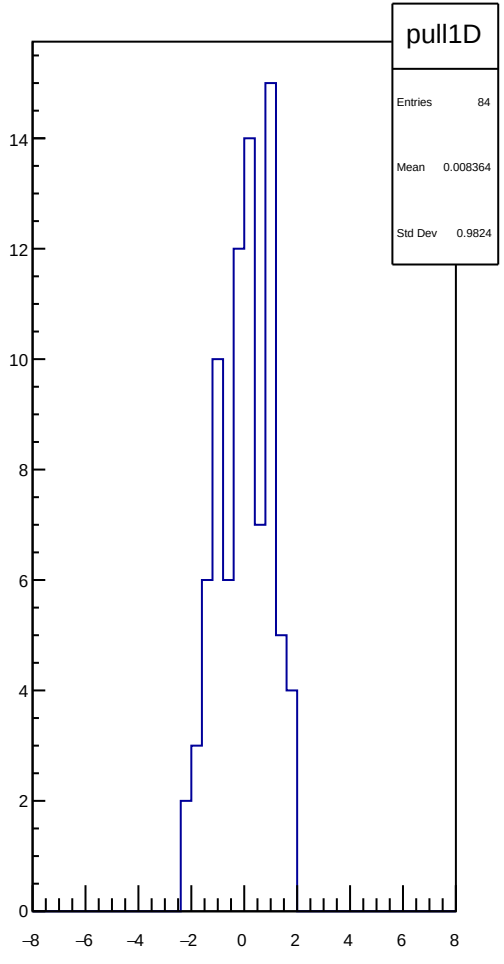

dit_asym_sam_3748_avg_rms vs run
χ^2 / ndf 1.074e+04 / 83
p0 110.8 ± 0.08727
200
180
160
140
120
100

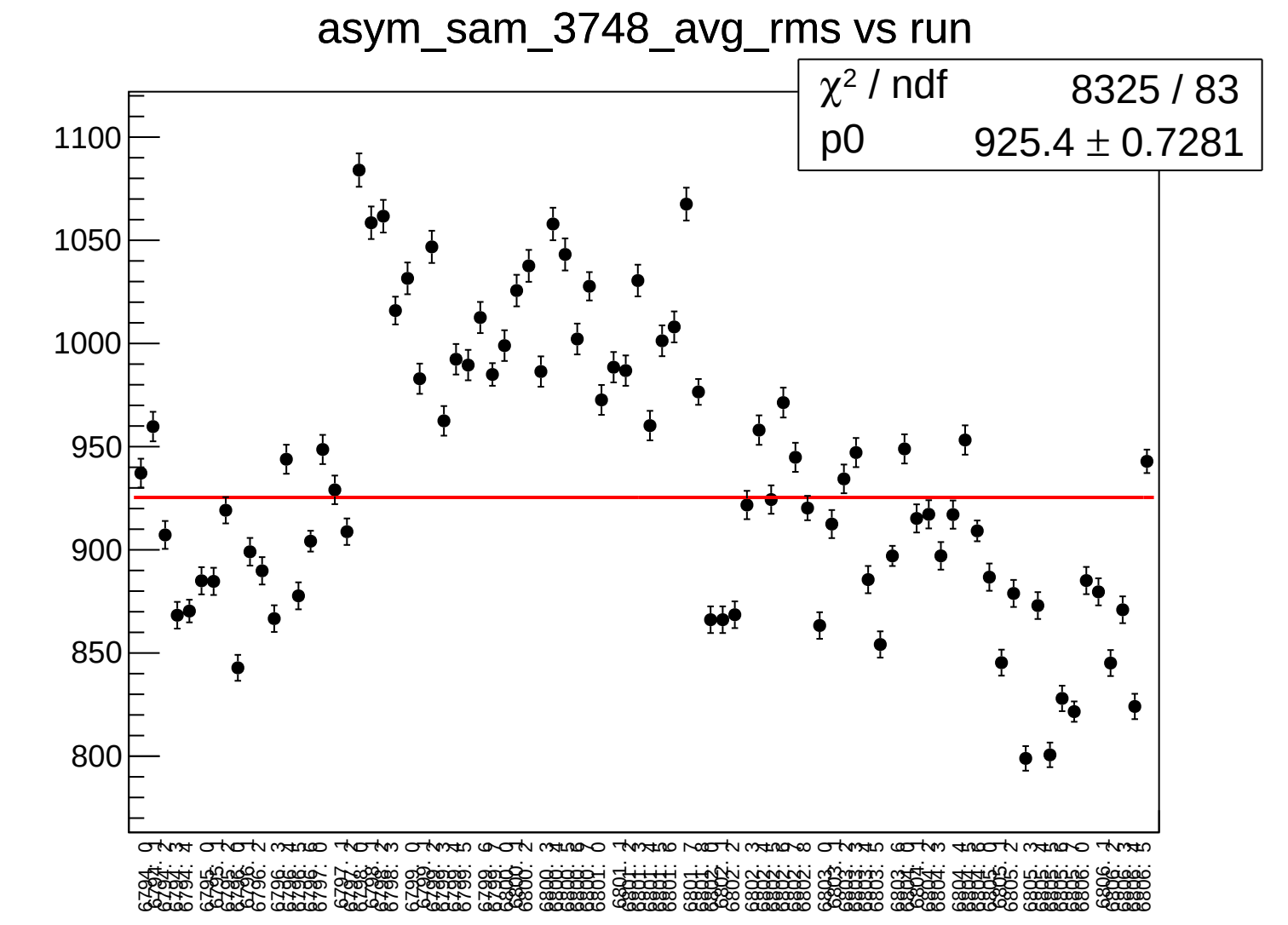

asym_sam_3748_avg_correction_mean vs run
χ² / ndf 80.03 / 83
p0 −823.6 ± 1034
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 84
Mean 46.45
Std Dev 107.3
2
1.5
1
0.5
0
−0.5
−1
−1.5

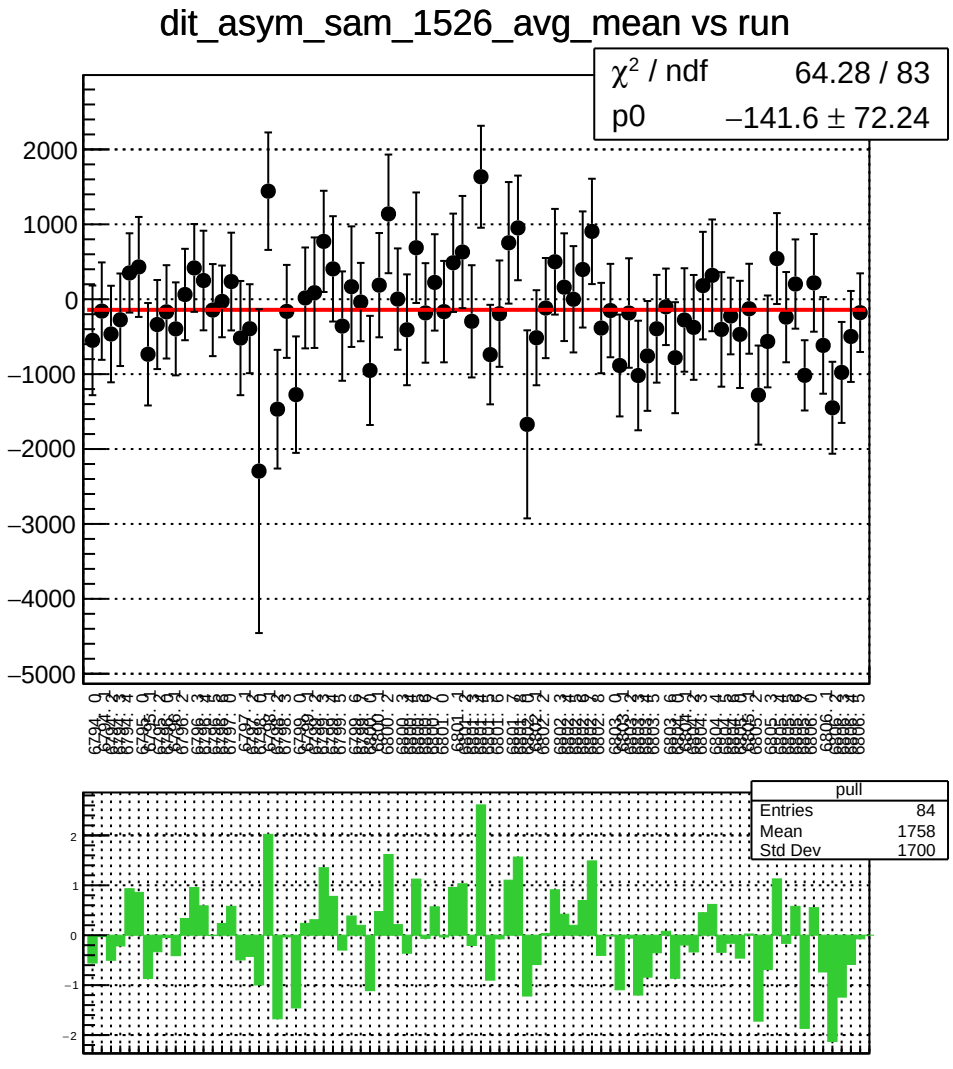

pull1D
Entries 84
Mean −0.007585
Std Dev 0.976
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

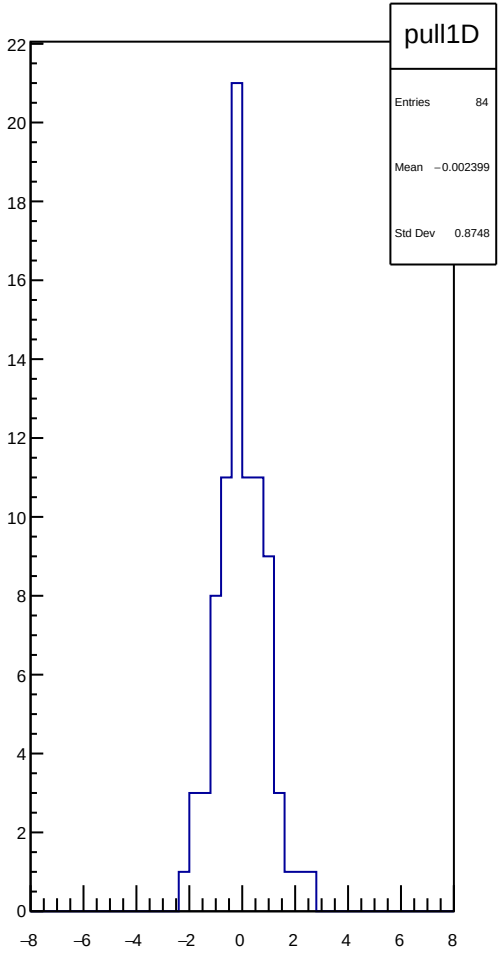

asym_sam_3748_avg_correction_rms vs run
χ² / ndf 7221 / 83
p0 929.6 ± 0.7311
1050
1000
950
900
850
800

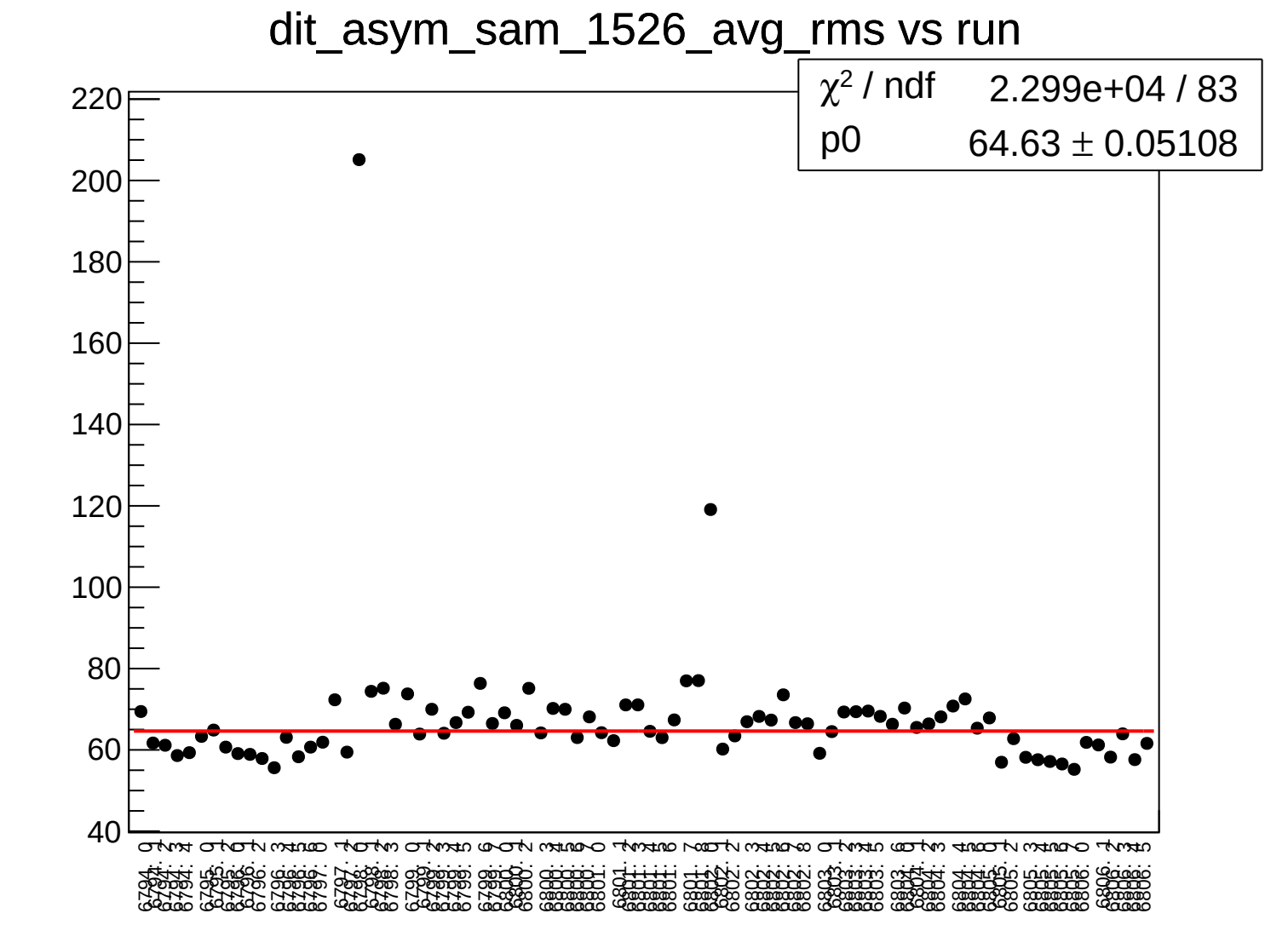

asym_sam_3748_avg_mean vs run
χ² / ndf 81.07 / 83
p0 515.7 ± 1030
pull
Entries 84
Mean −46.22
Std Dev 135.5

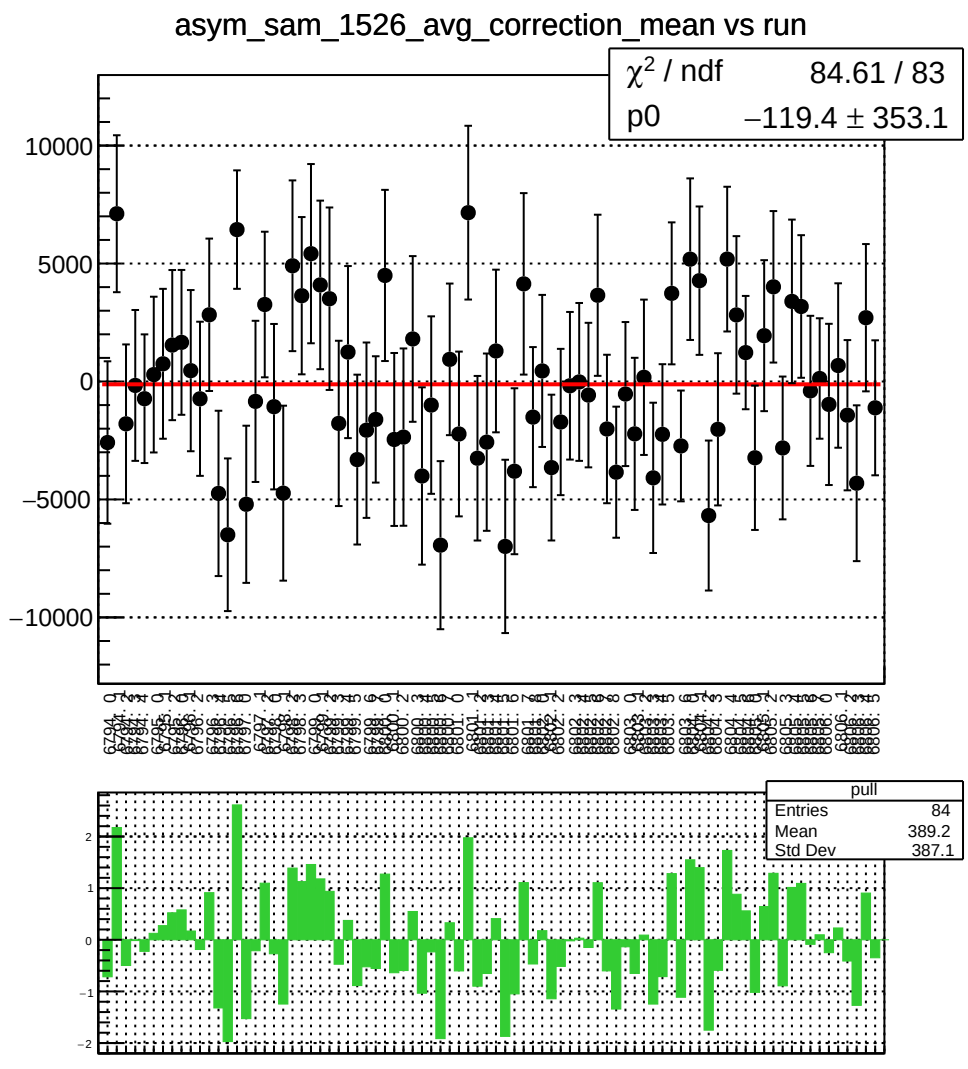

pull1D
Entries 84
Mean 0.008364
Std Dev 0.9824

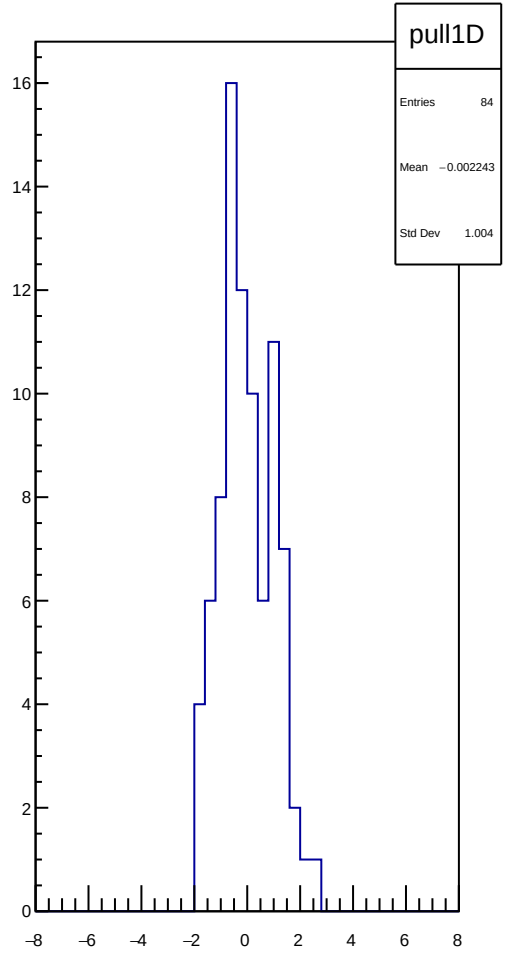

asym_sam_3748_avg_rms vs run
χ² / ndf 8325 / 83
p0 925.4 ± 0.7281
1100
1050
1000
950
900
850
800

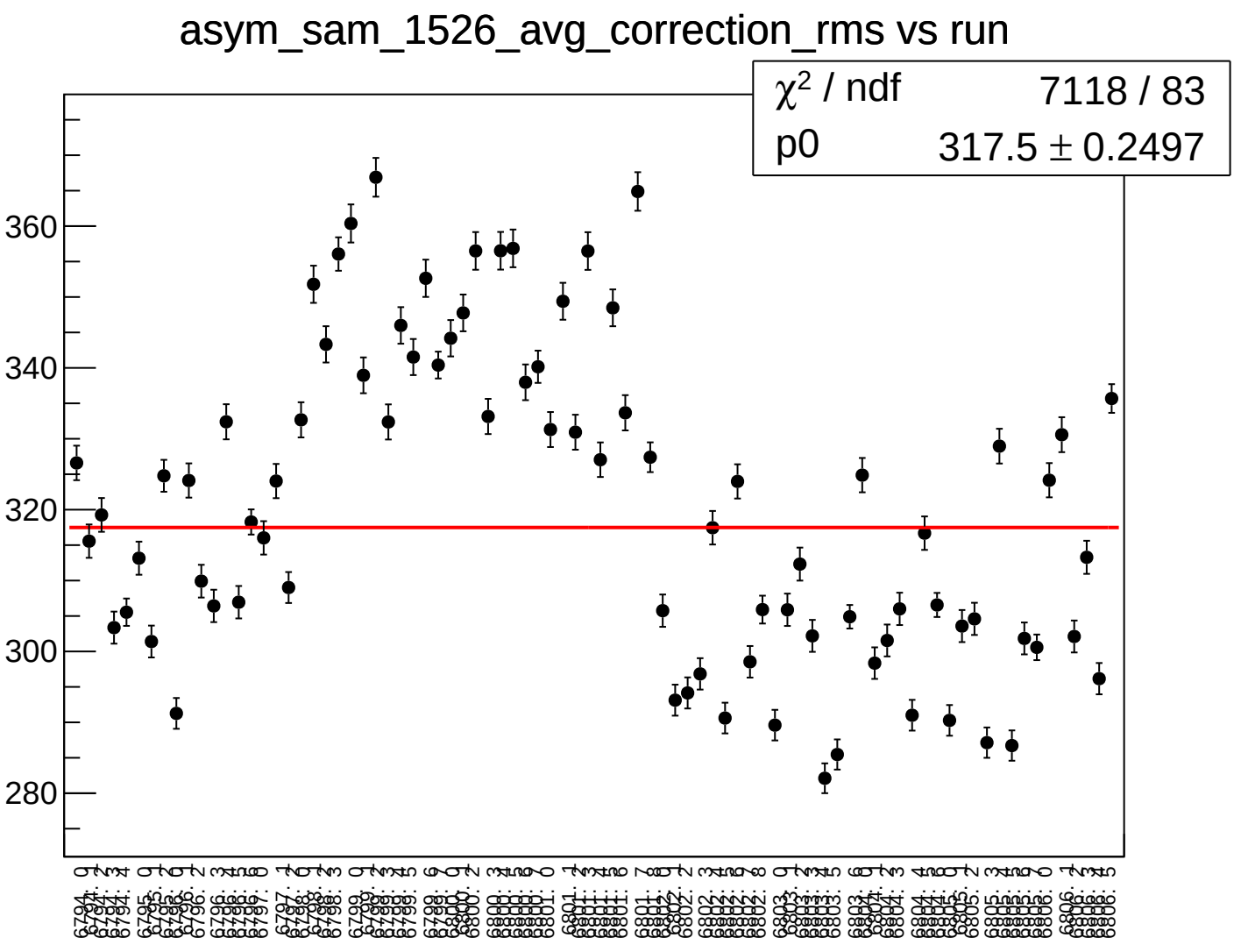

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 64.28 / 83
p0 −141.6 ± 72.24
pull
Entries 84
Mean 1758
Std Dev 1700

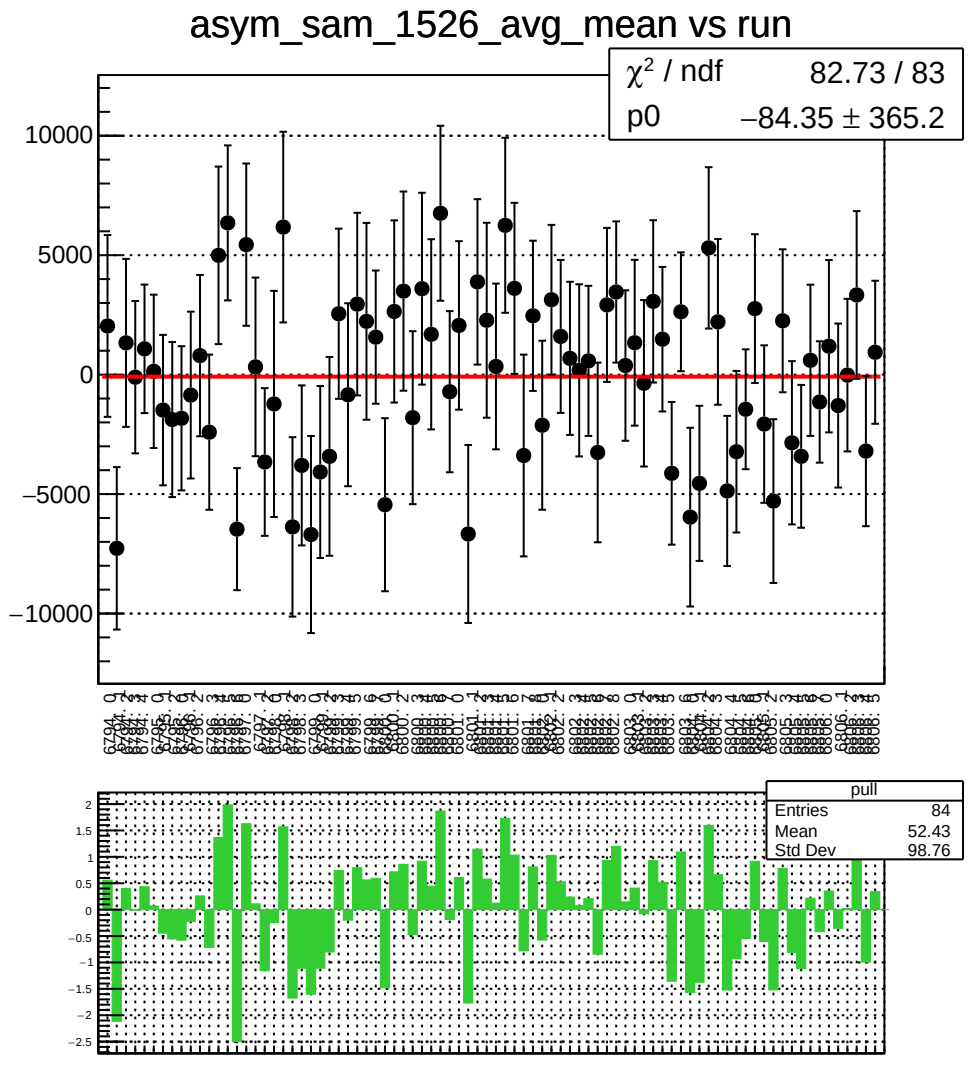

pull1D
Entries 84
Mean −0.002399
Std Dev 0.8748

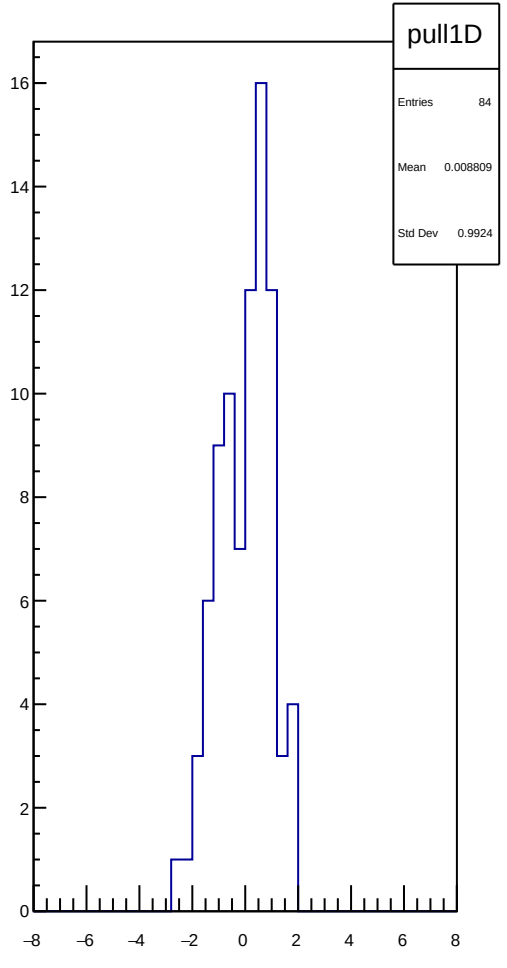

dit_asym_sam_1526_avg_rms vs run
χ^2 / ndf 2.299e+04 / 83
p0 64.63 ± 0.05108
220
200
180
160
140
120
100
80
60
40

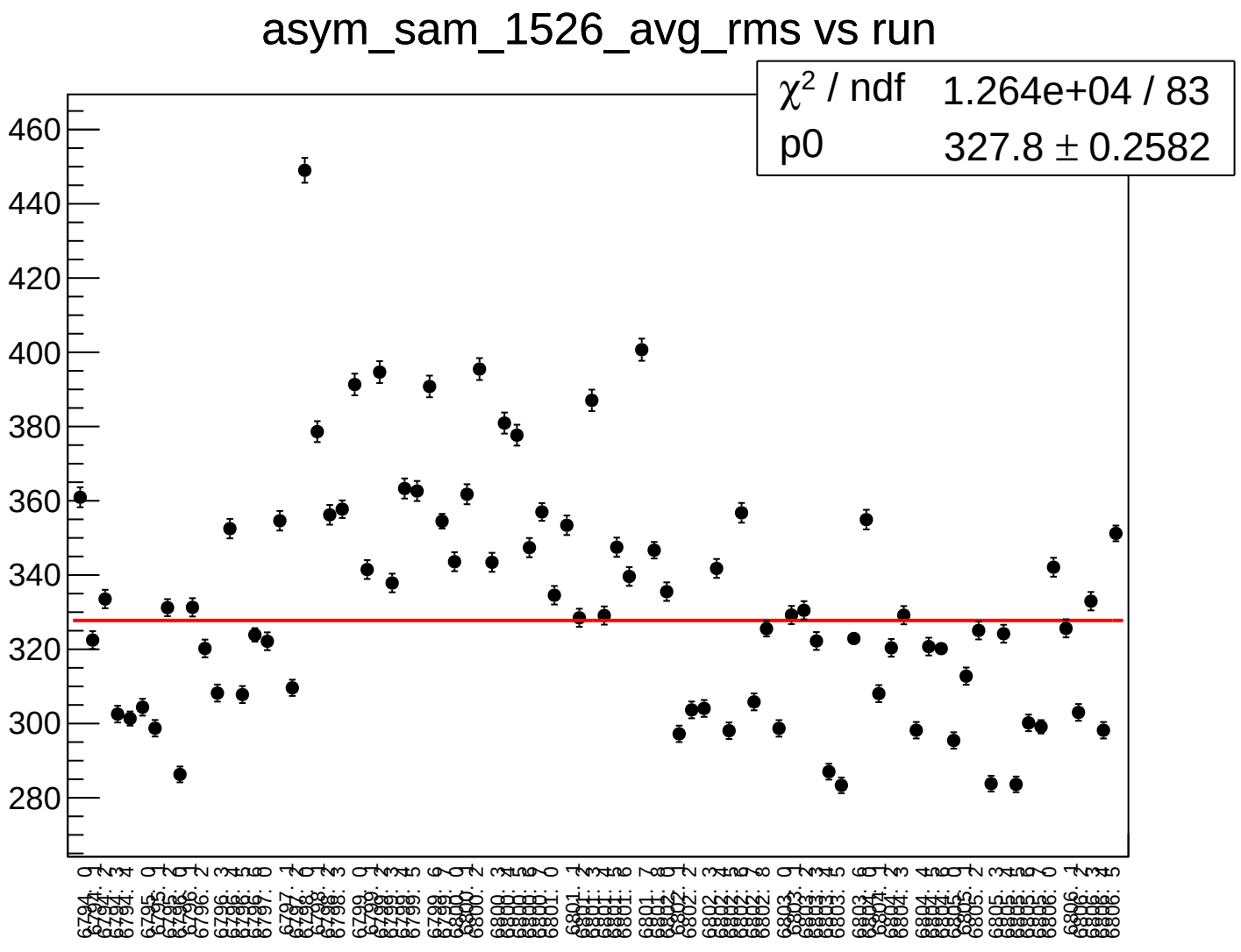

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 84.61 / 83
p0 −119.4 ± 353.1
10000
5000
0
−5000
−10000
pull
Entries 84
Mean 389.2
Std Dev 387.1
2
1
0
−1
−2

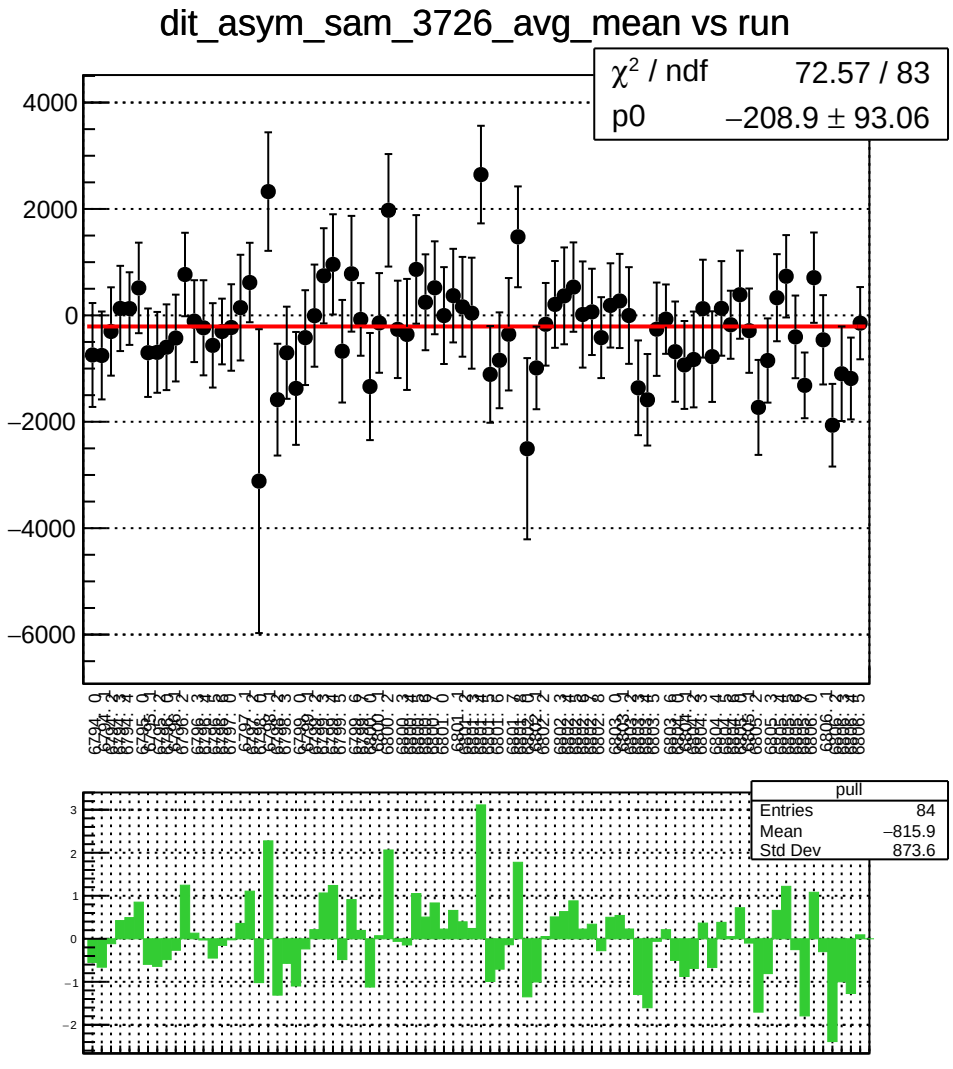

pull1D
Entries 84
Mean −0.002243
Std Dev 1.004
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

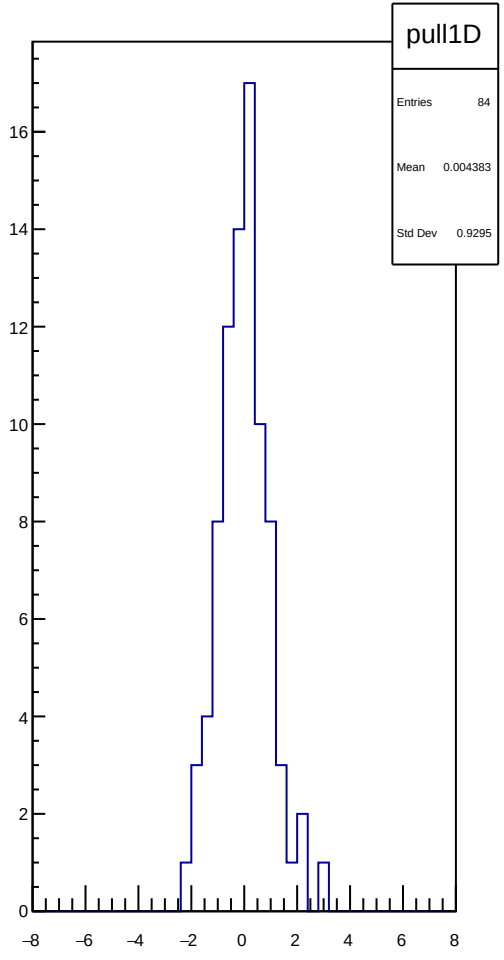

asym_sam_1526_avg_correction_rms vs run
χ² / ndf 7118 / 83
p0 317.5 ± 0.2497
360
340
320
300
280

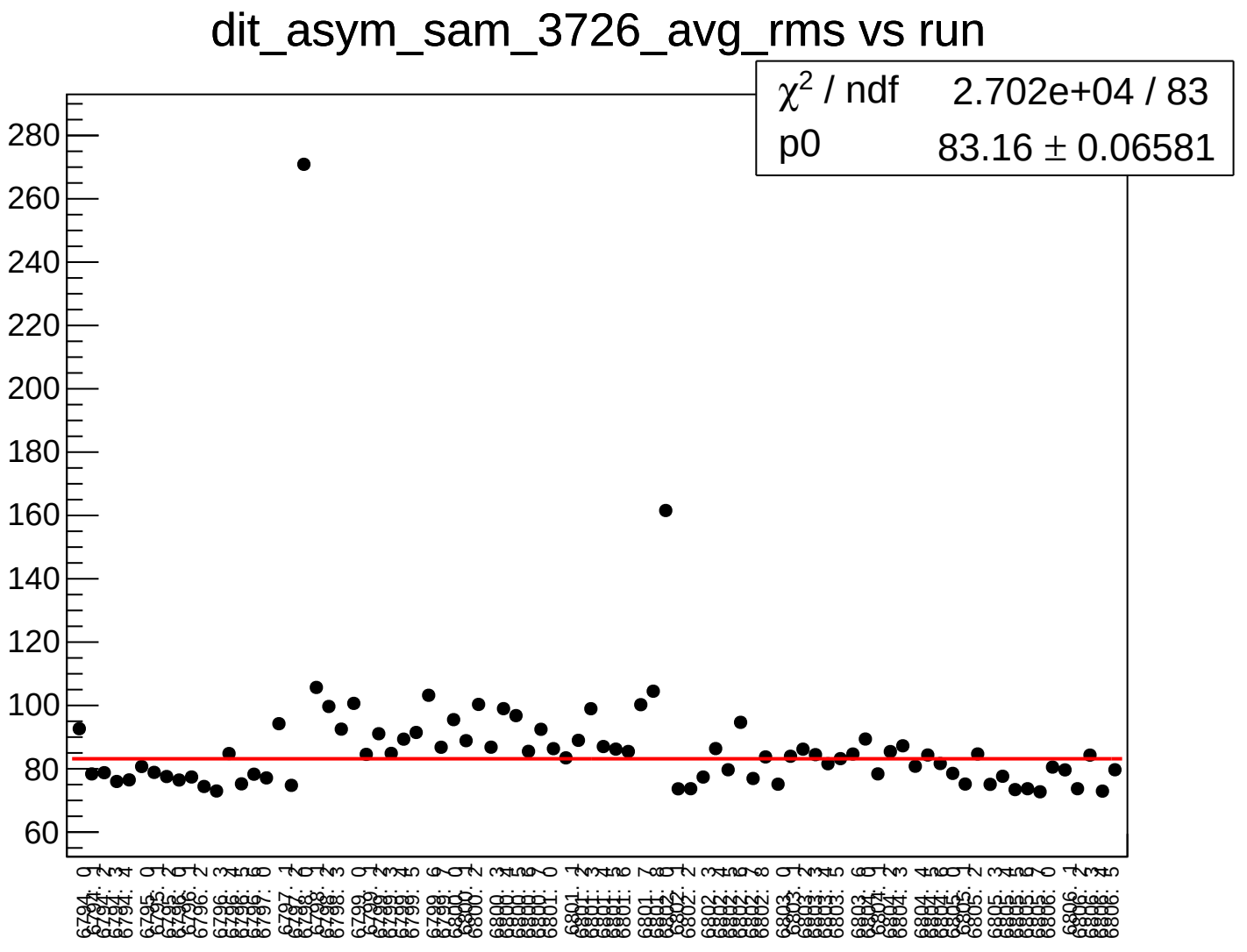

asym_sam_1526_avg_mean vs run
χ² / ndf 82.73 / 83
p0 −84.35 ± 365.2
10000
5000
0
−5000
−10000
pull
Entries 84
Mean 52.43
Std Dev 98.76
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

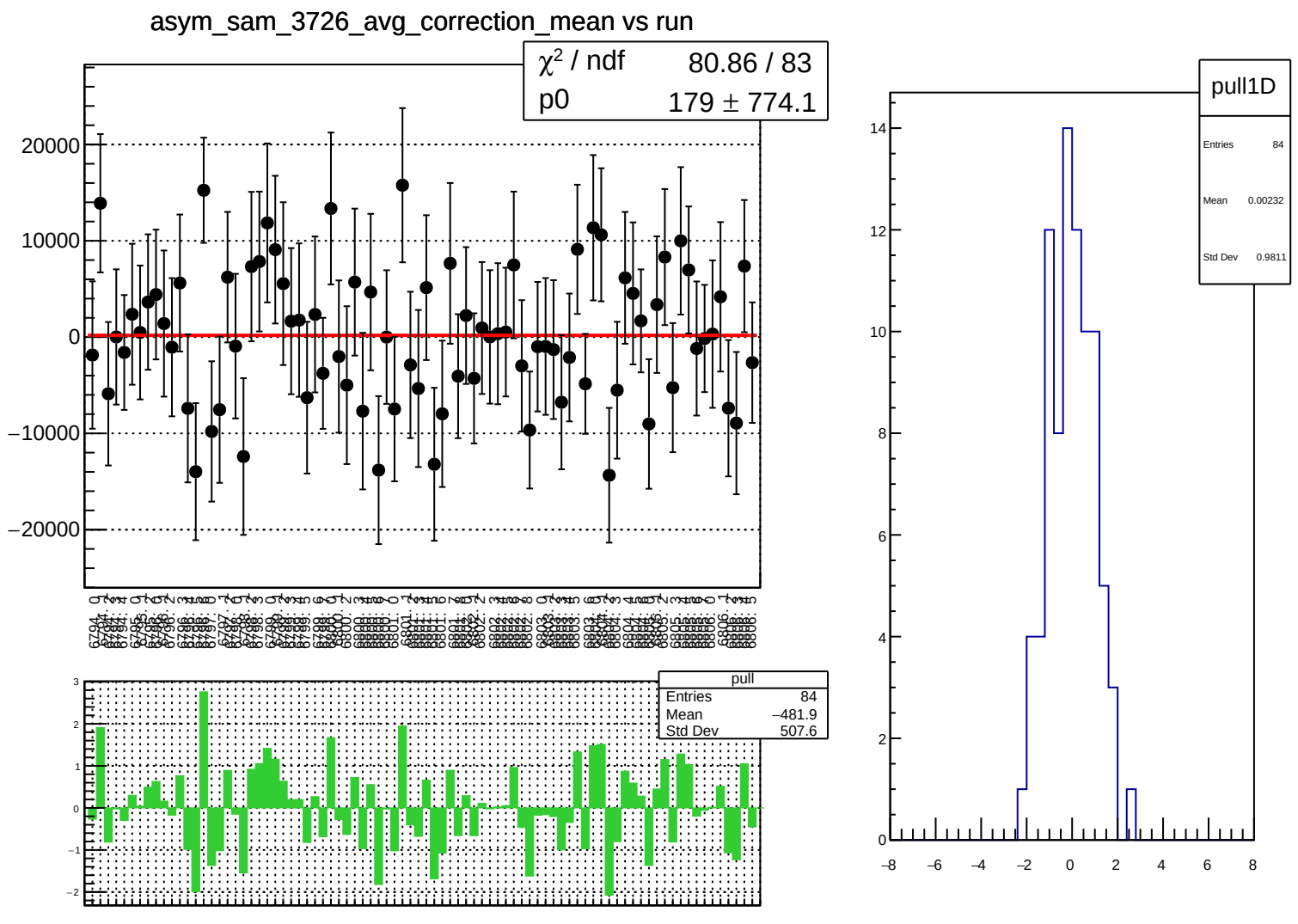

pull1D
Entries 84
Mean 0.008809
Std Dev 0.9924
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

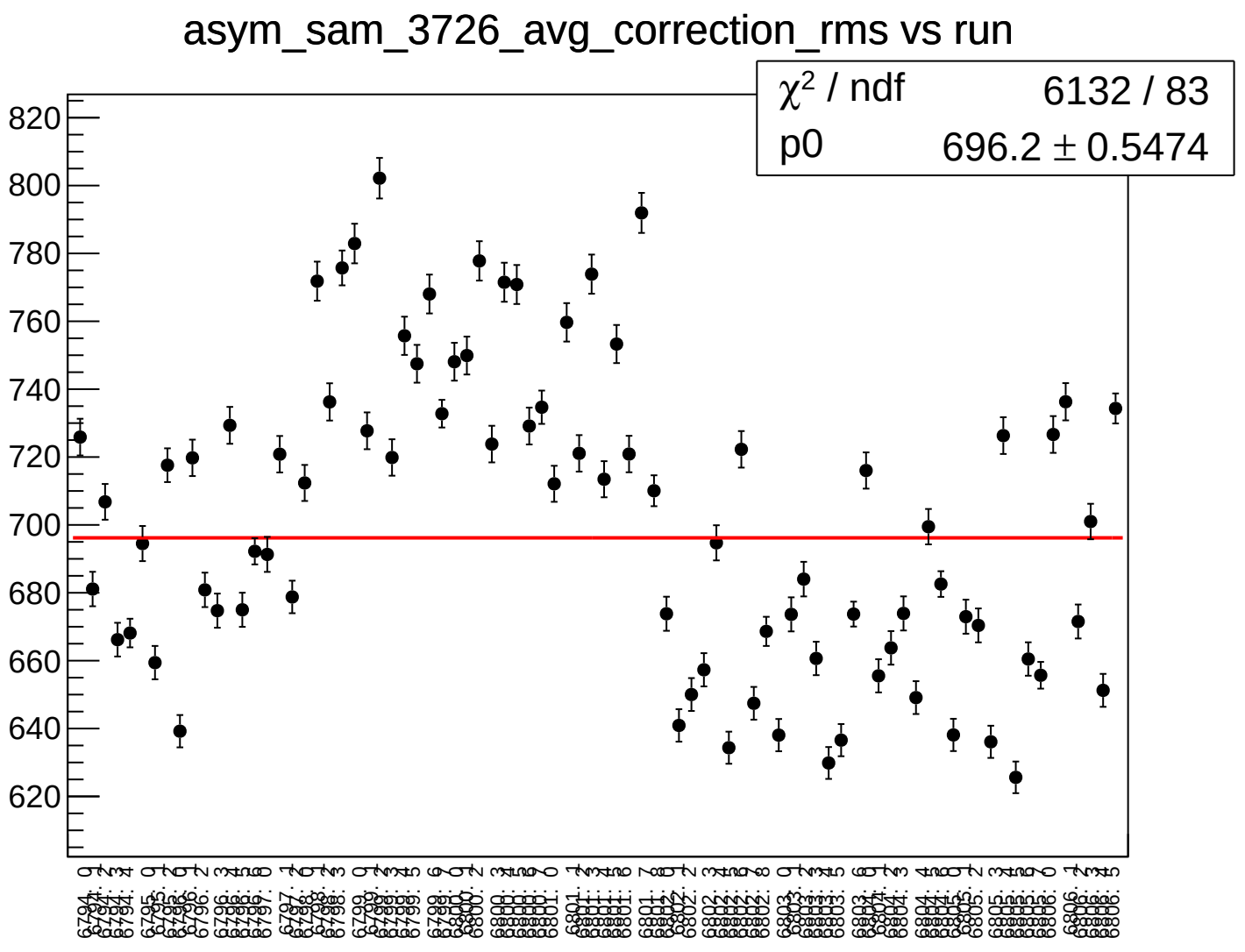

asym_sam_1526_avg_rms vs run
χ^2 / ndf 1.264e+04 / 83
p0 327.8 ± 0.2582
460
440
420
400
380
360
340
320
300
280

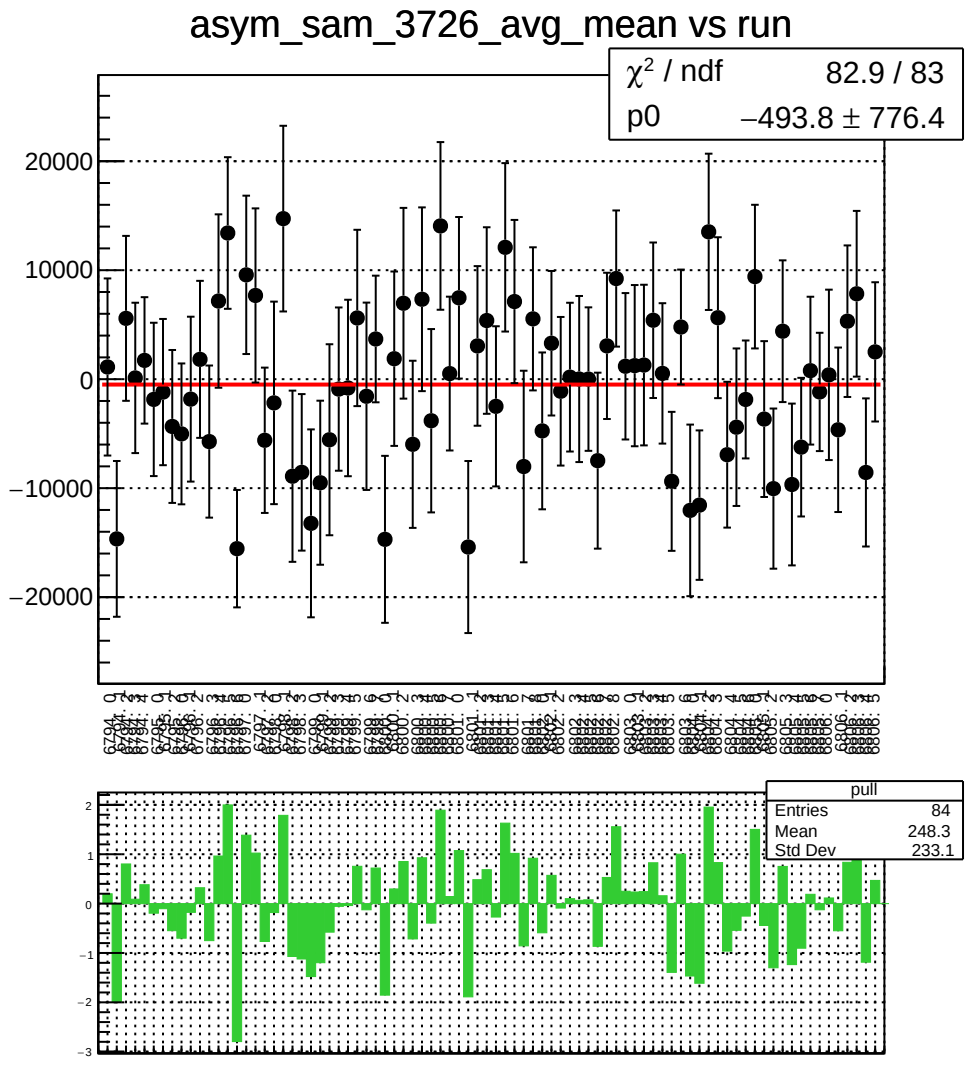

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 72.57 / 83
p0 −208.9 ± 93.06
4000
2000
0
−2000
−4000
−6000
pull
Entries 84
Mean −815.9
Std Dev 873.6
3
2
1
0
−1
−2

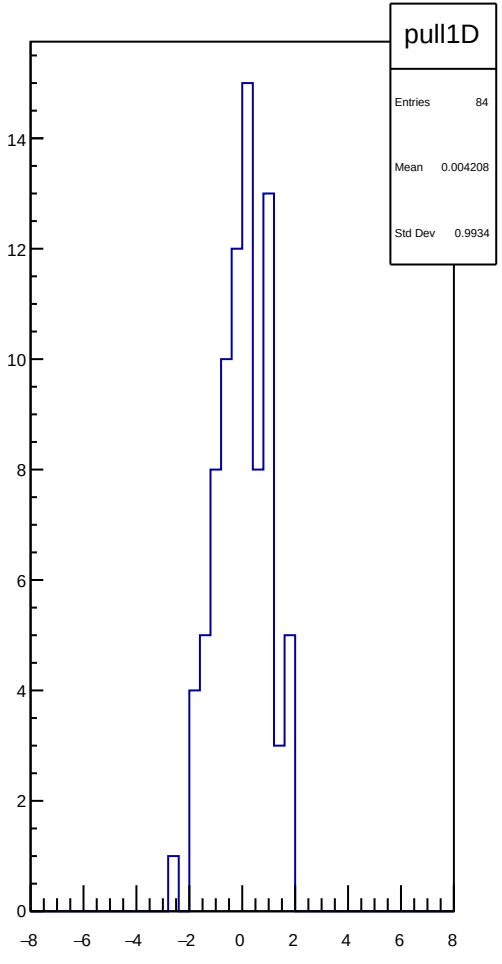

pull1D
Entries 84
Mean 0.004383
Std Dev 0.9295
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

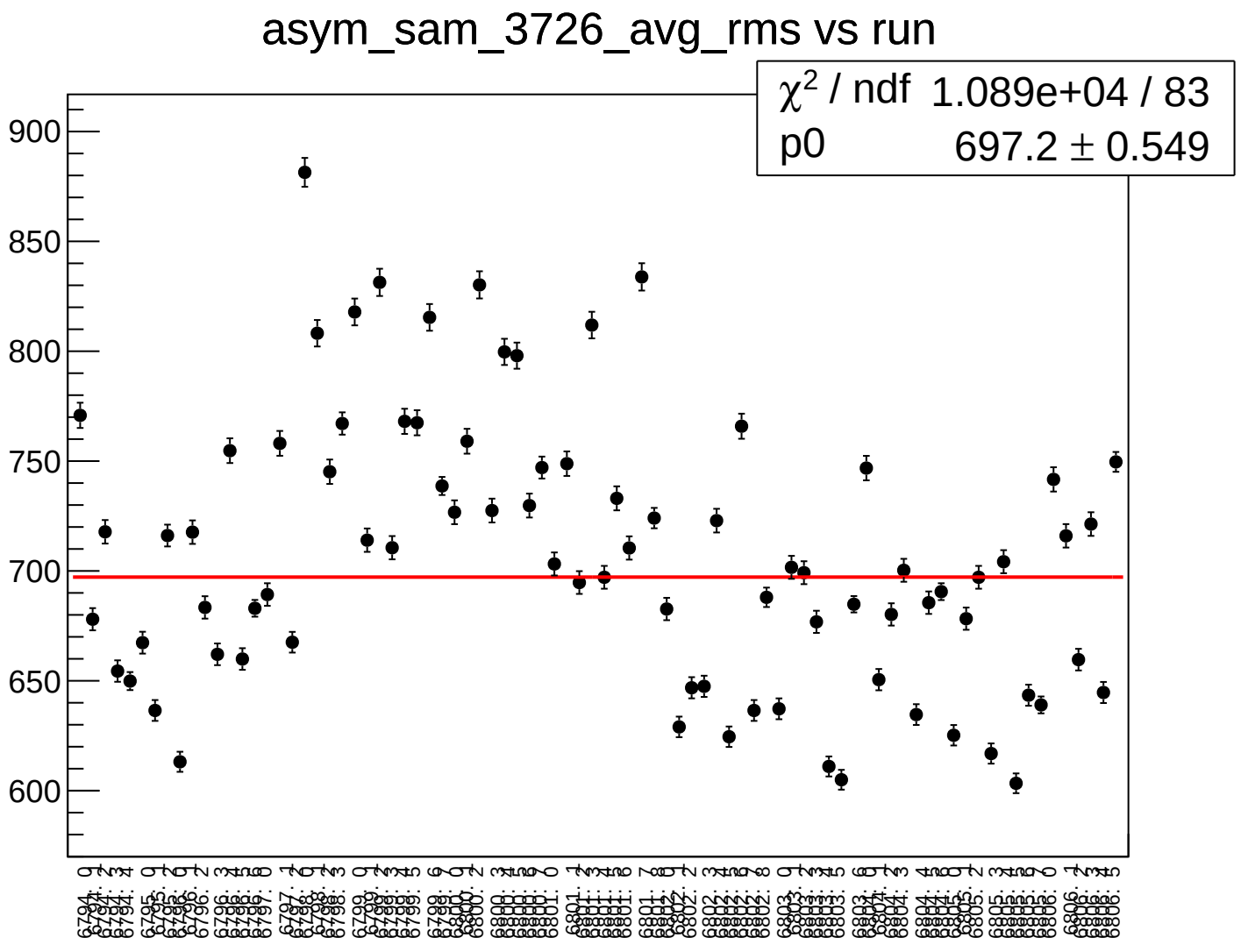

dit_asym_sam_3726_avg_rms vs run
χ^2 / ndf 2.702e+04 / 83
p0 83.16 ± 0.06581
280
260
240
220
200
180
160
140
120
100
80
60

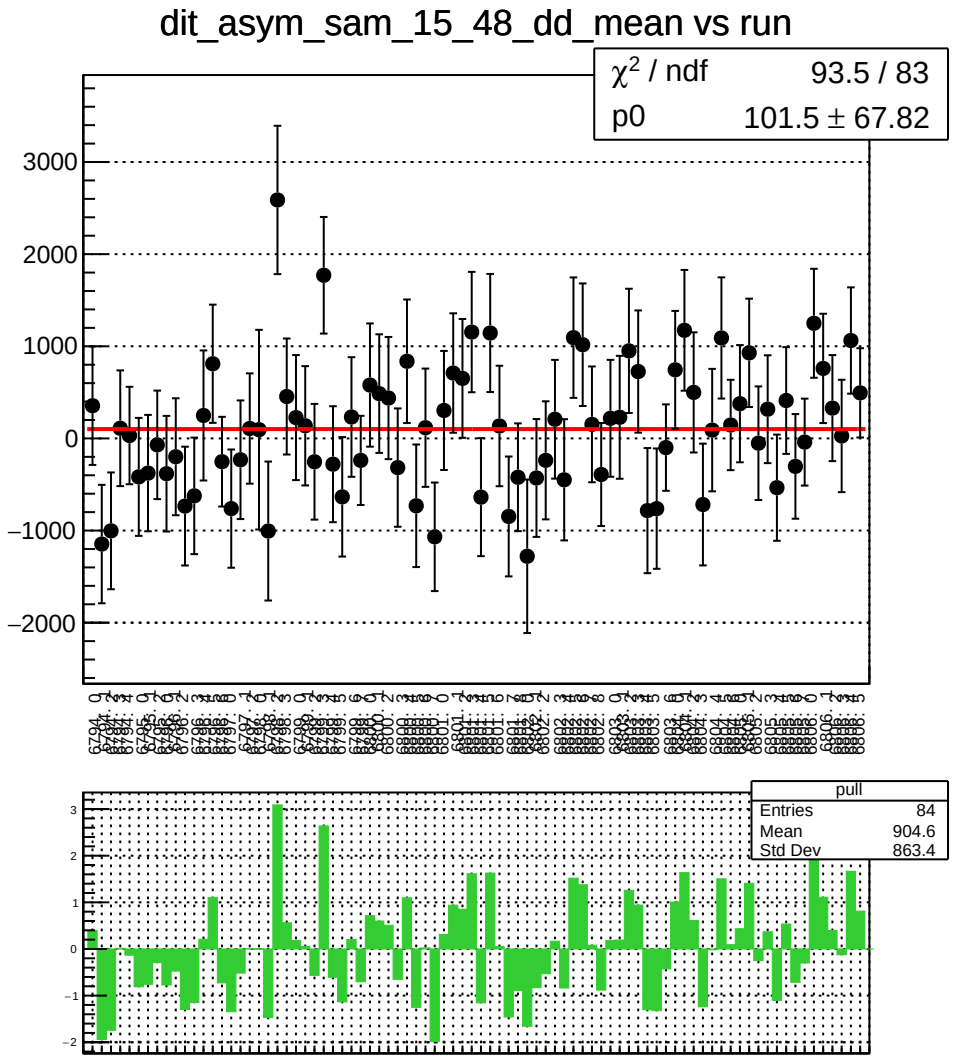

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 80.86 / 83
p0 179 ± 774.1
20000
10000
0
−10000
−20000
pull
Entries 84
Mean −481.9
Std Dev 507.6
3
2
1
0
−1
−2
pull1D
Entries 84
Mean 0.00232
Std Dev 0.9811
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

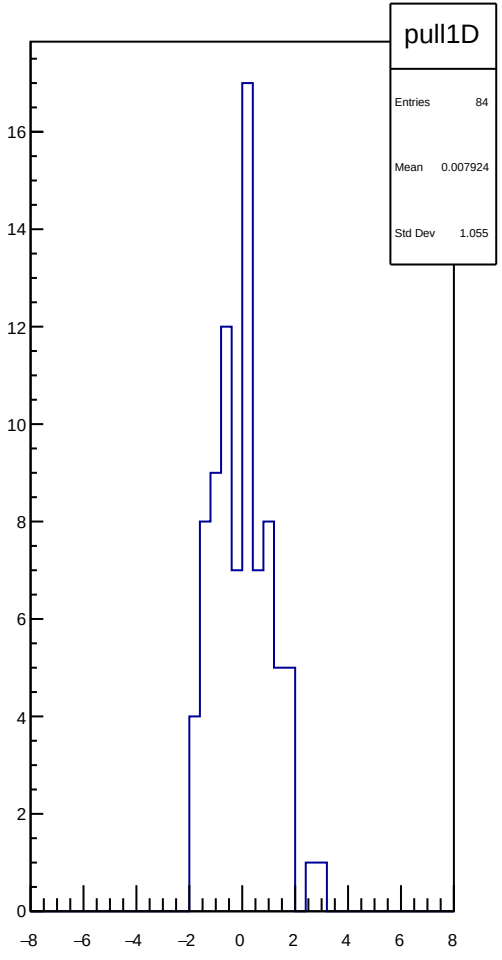

asym_sam_3726_avg_correction_rms vs run
χ^2 / ndf 6132 / 83
p0 696.2 ± 0.5474
820
800
780
760
740
720
700
680
660
640
620

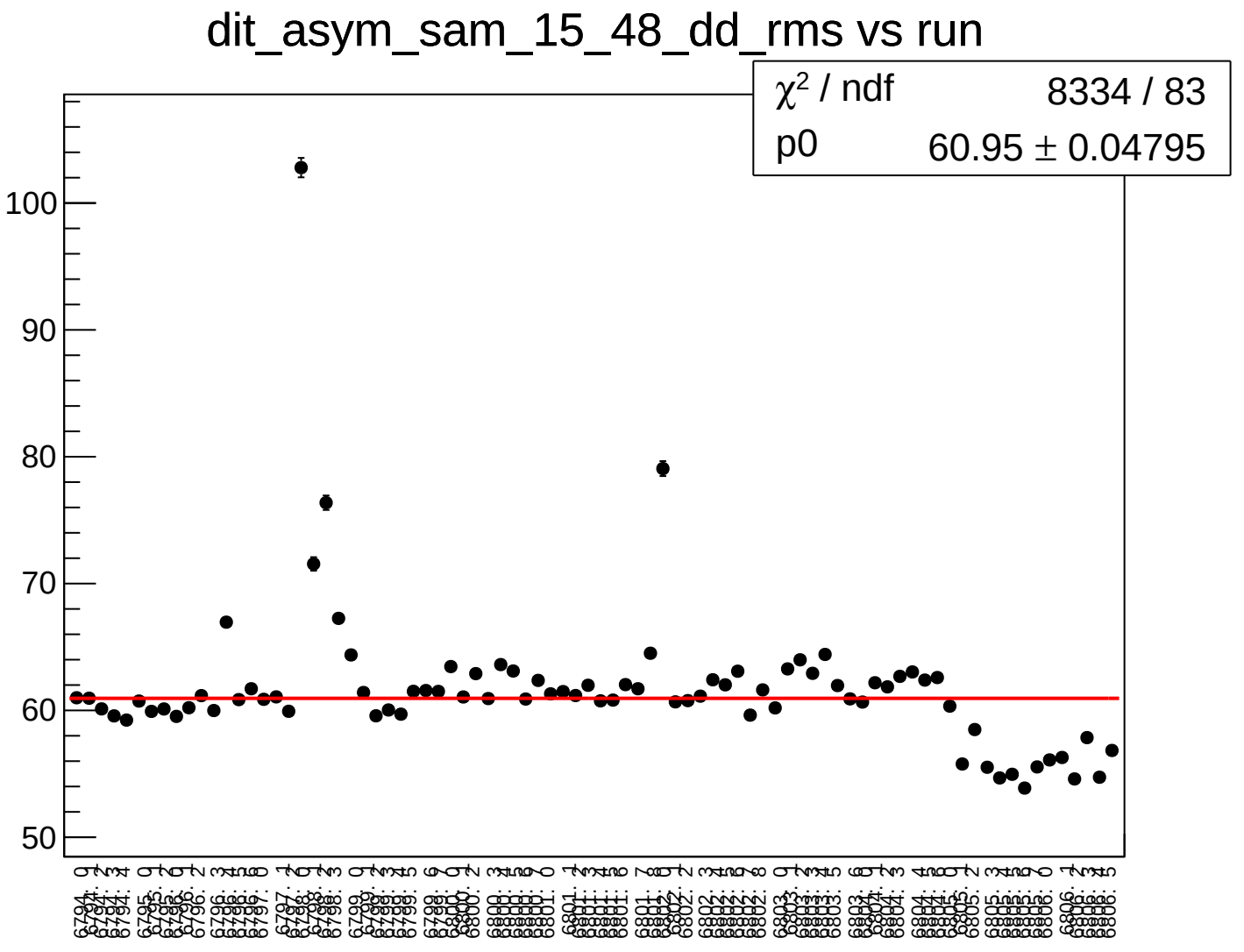

asym_sam_3726_avg_mean vs run
χ² / ndf 82.9 / 83
p0 −493.8 ± 776.4
20000
10000
0
−10000
−20000
pull
Entries 84
Mean 248.3
Std Dev 233.1
2
1
0
−1
−2
−3

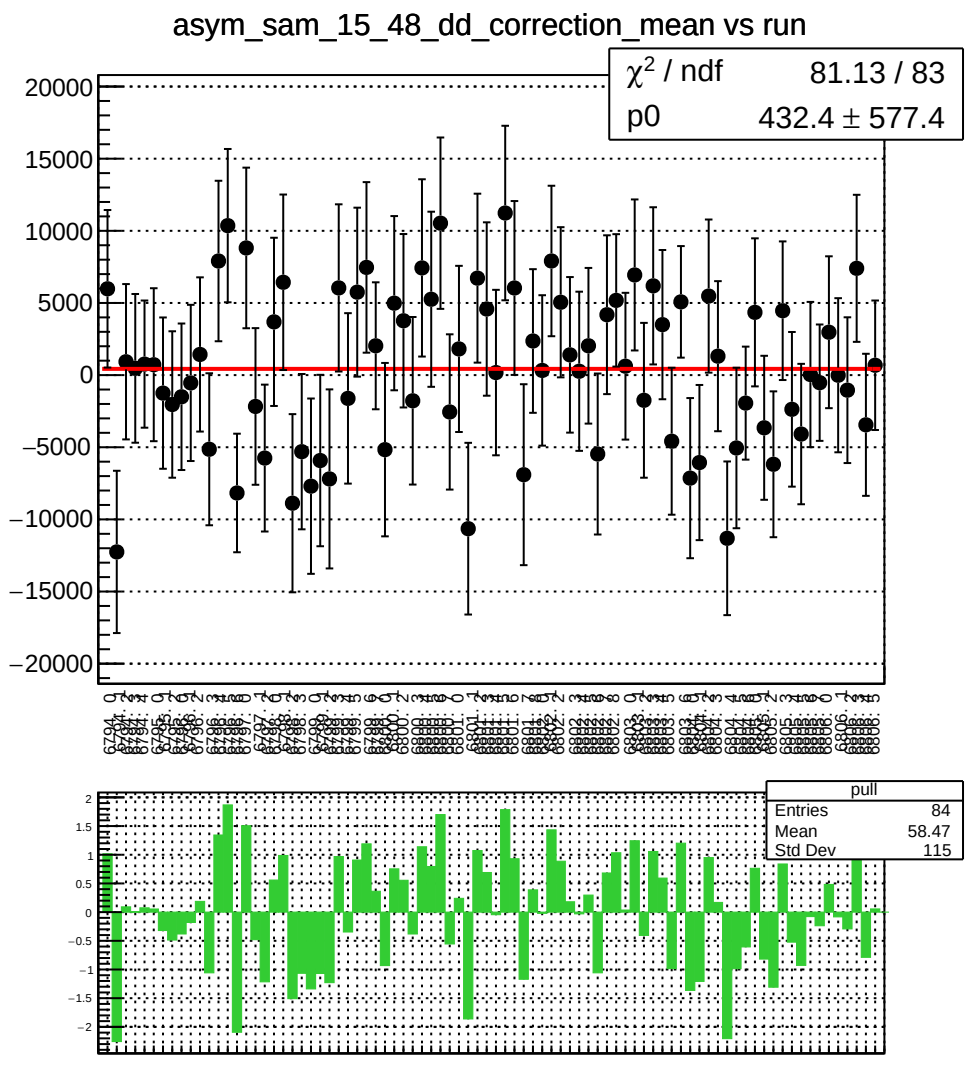

pull1D
Entries 84
Mean 0.004208
Std Dev 0.9934
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

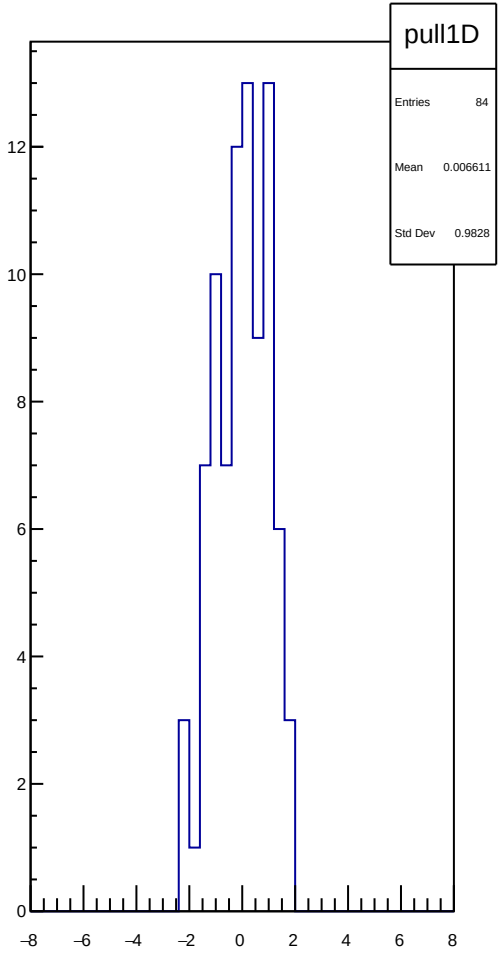

asym_sam_3726_avg_rms vs run
χ^2 / ndf 1.089e+04 / 83
p0 697.2 ± 0.549
900
850
800
750
700
650
600

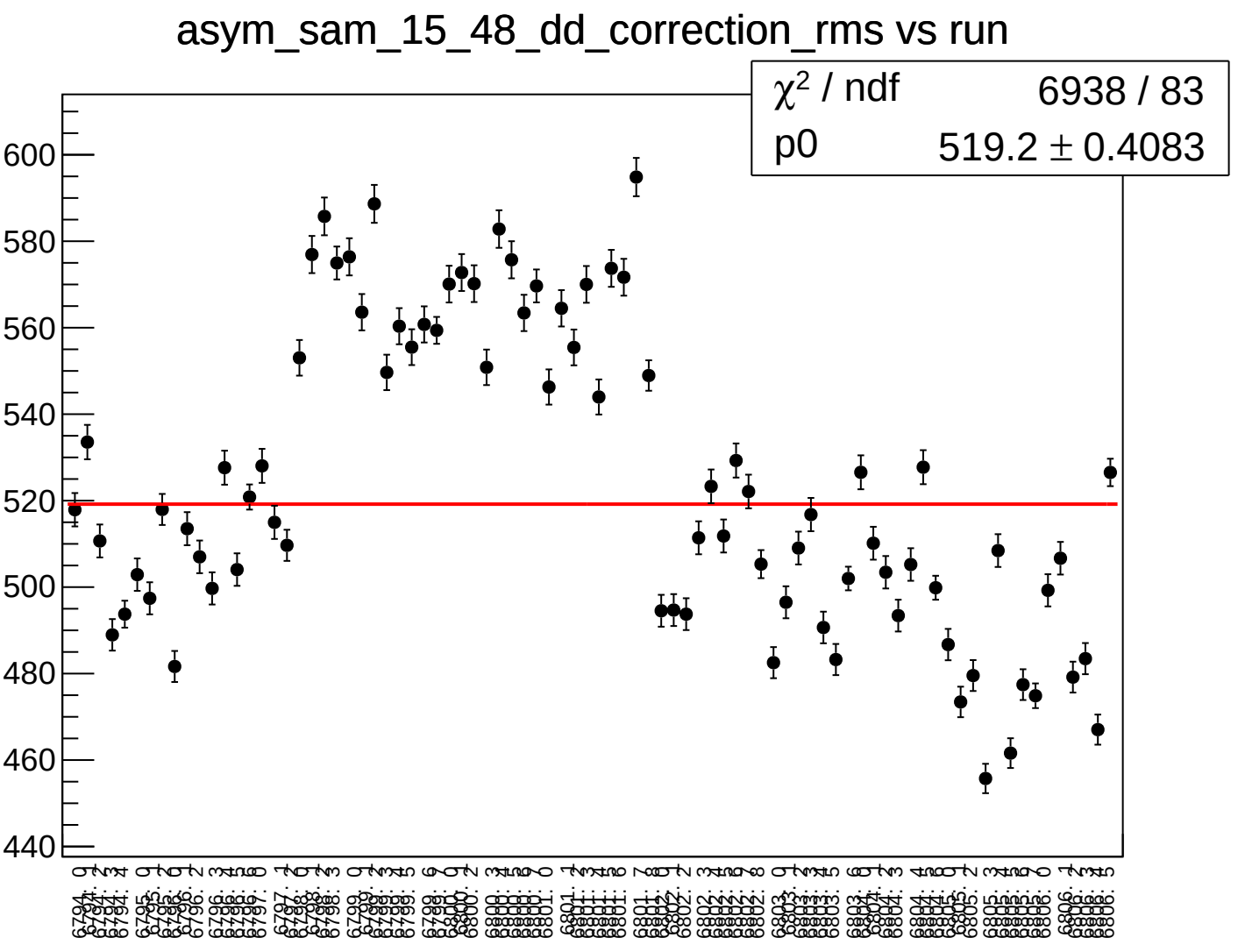

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 93.5 / 83
p0 101.5 ± 67.82
3000
2000
1000
0
−1000
−2000
pull
Entries 84
Mean 904.6
Std Dev 863.4
3
2
1
0
−1
−2

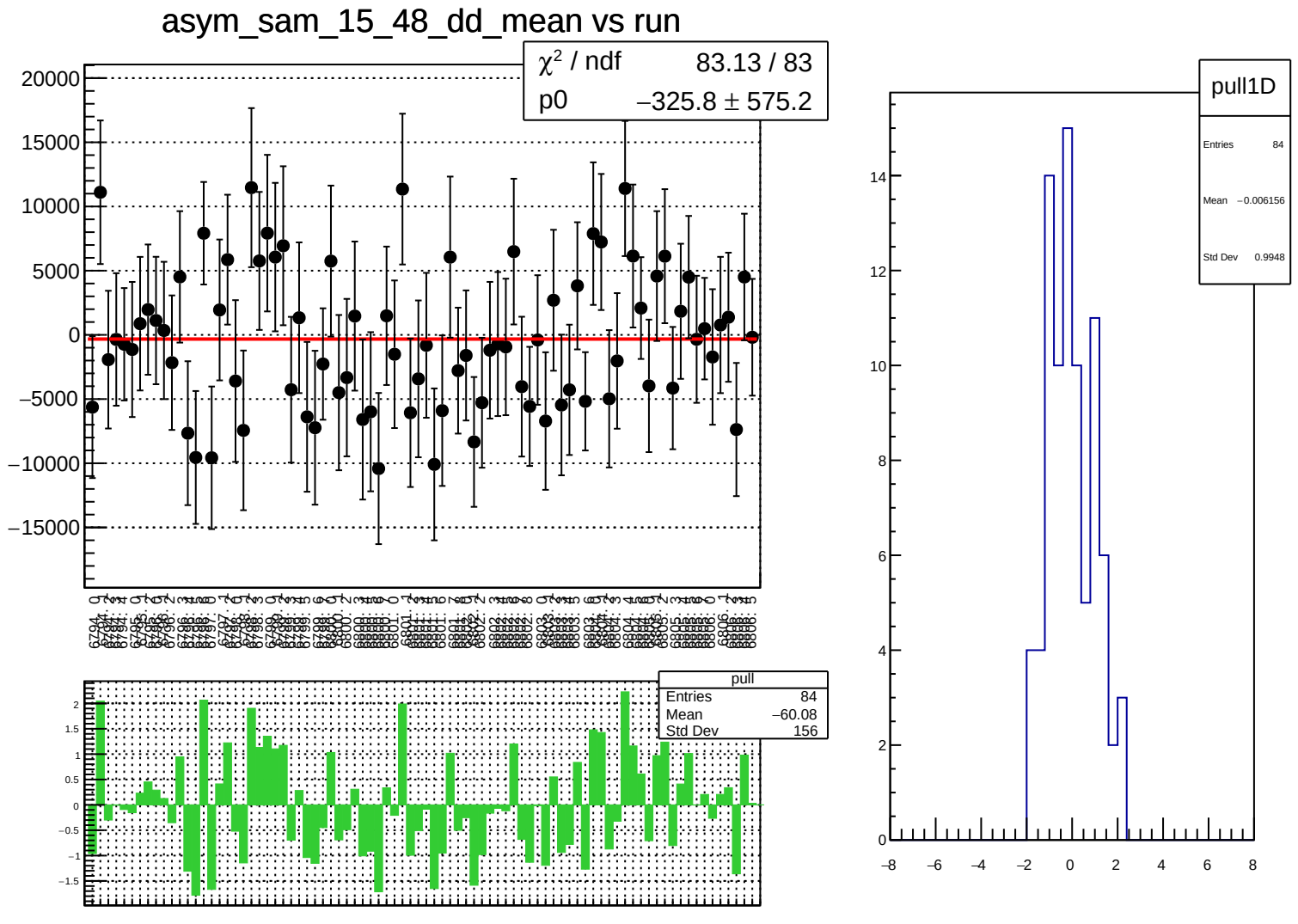

pull1D
Entries 84
Mean 0.007924
Std Dev 1.055
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

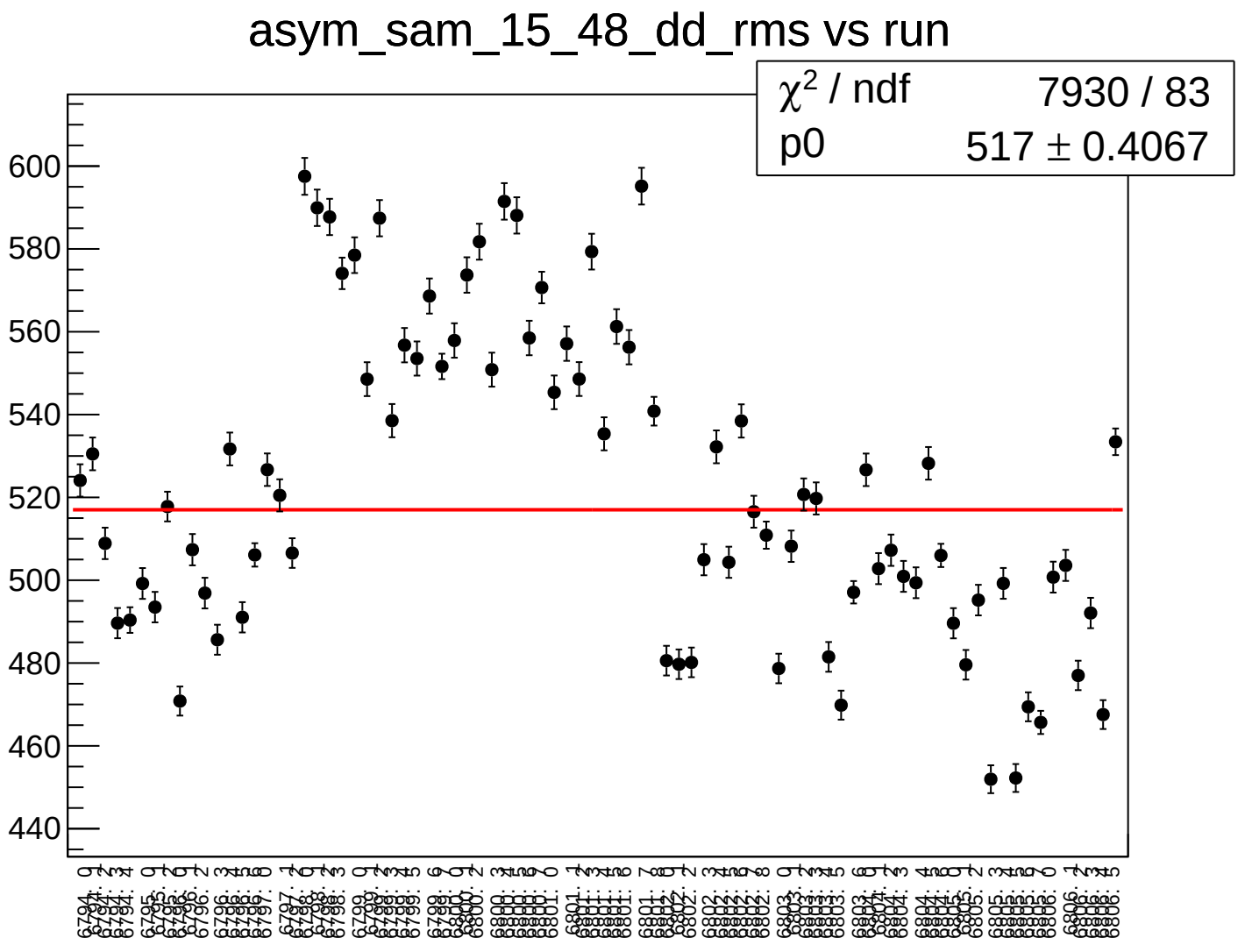

dit_asym_sam_15_48_dd_rms vs run
χ^2 / ndf 8334 / 83
p0 60.95 ± 0.04795
100
90
80
70
60
50

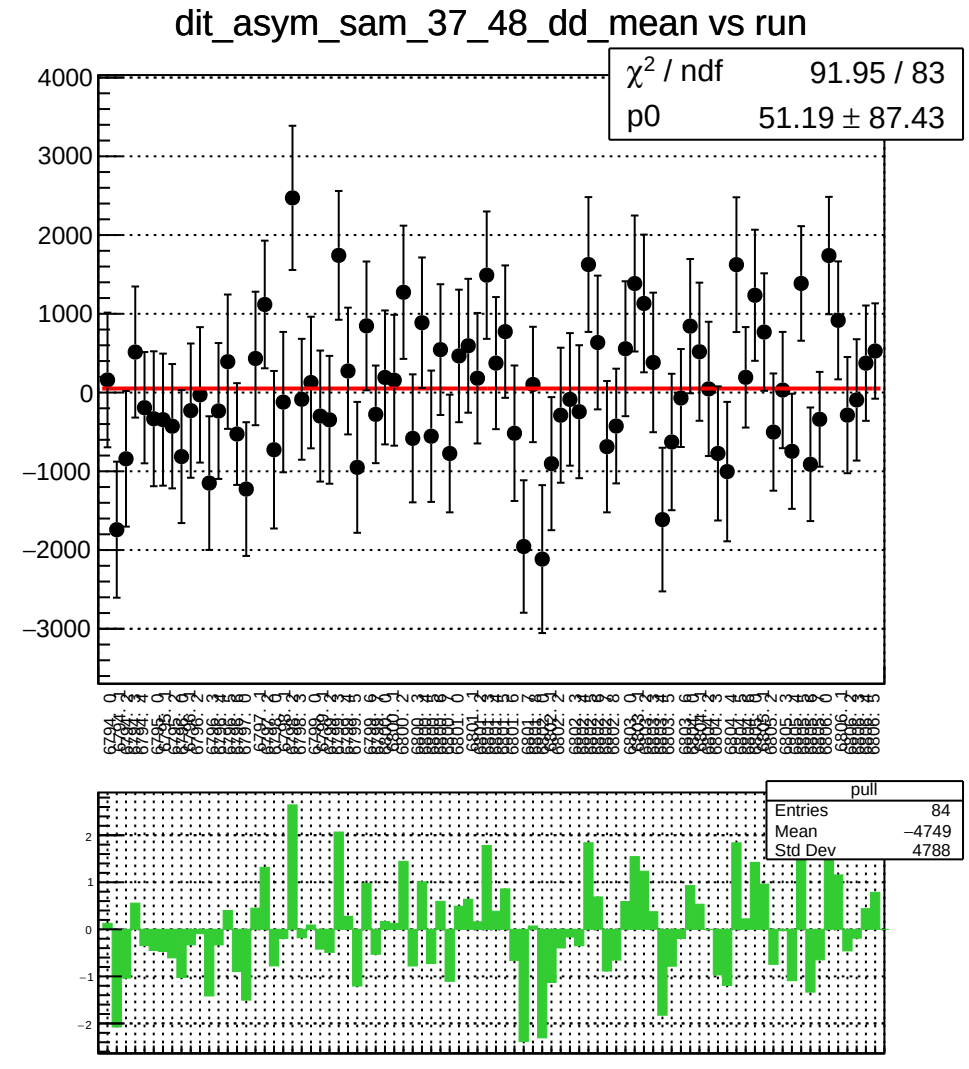

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 81.13 / 83
p0 432.4 ± 577.4
pull
Entries 84
Mean 58.47
Std Dev 115

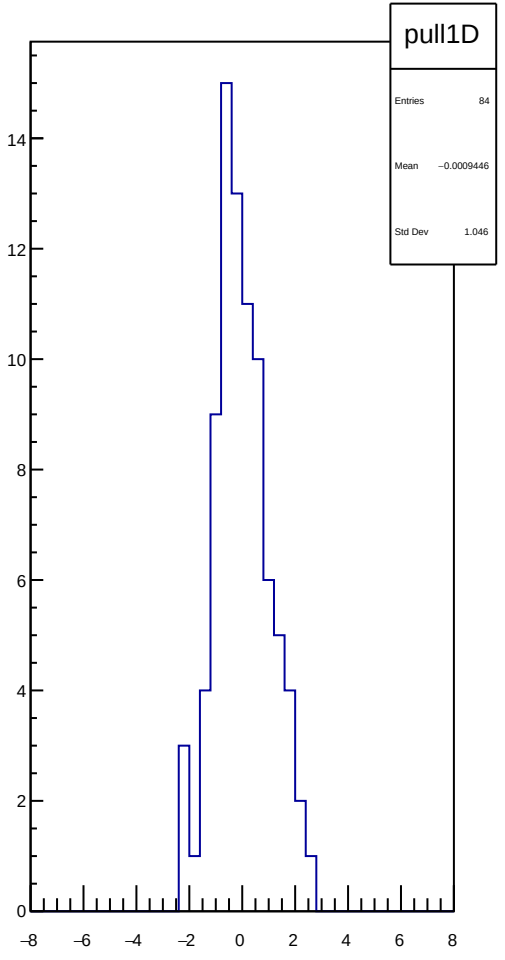

pull1D
Entries 84
Mean 0.006611
Std Dev 0.9828

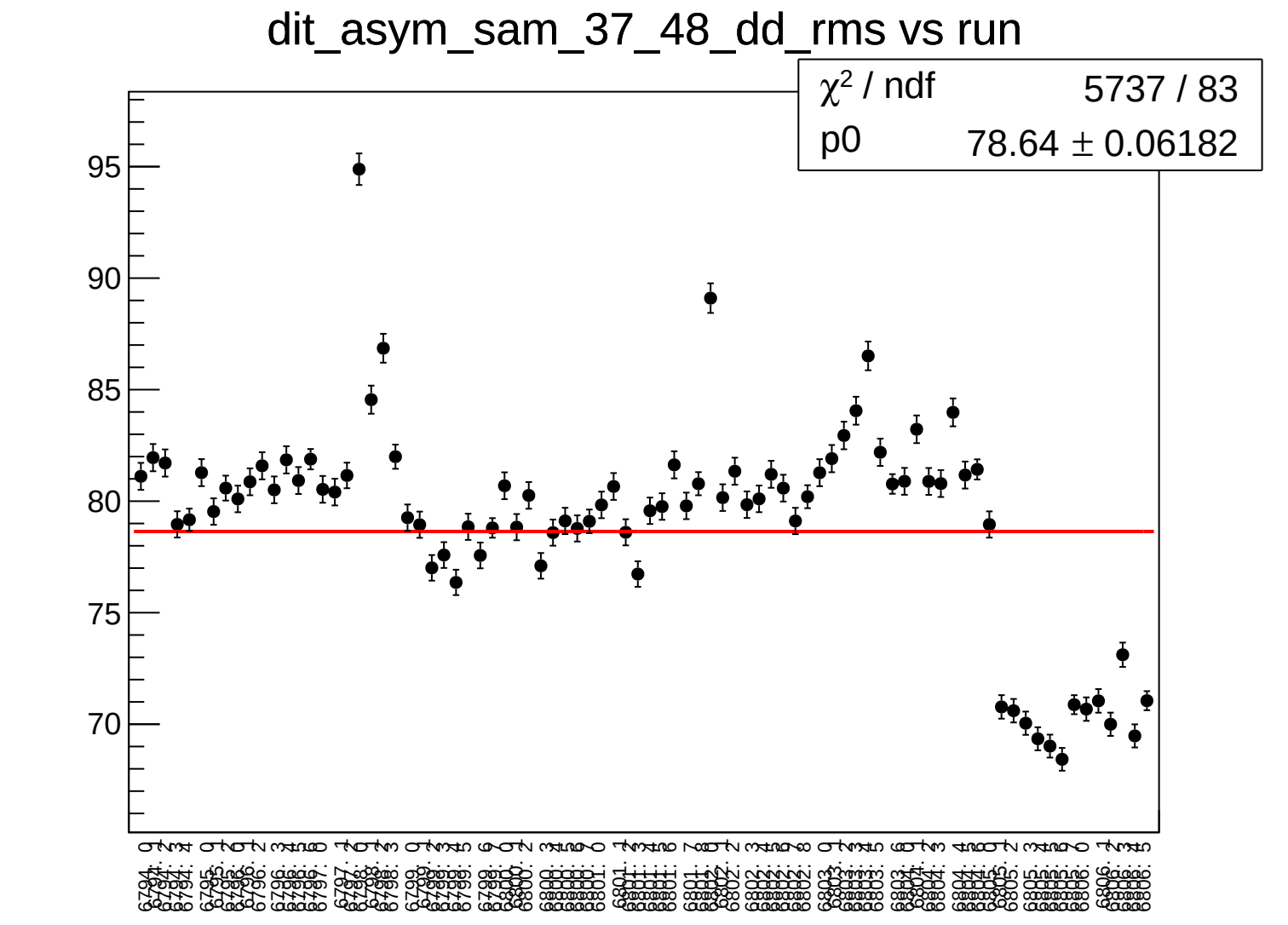

asym_sam_15_48_dd_correction_rms vs run
χ^2 / ndf 6938 / 83
p0 519.2 ± 0.4083
600
580
560
540
520
500
480
460
440

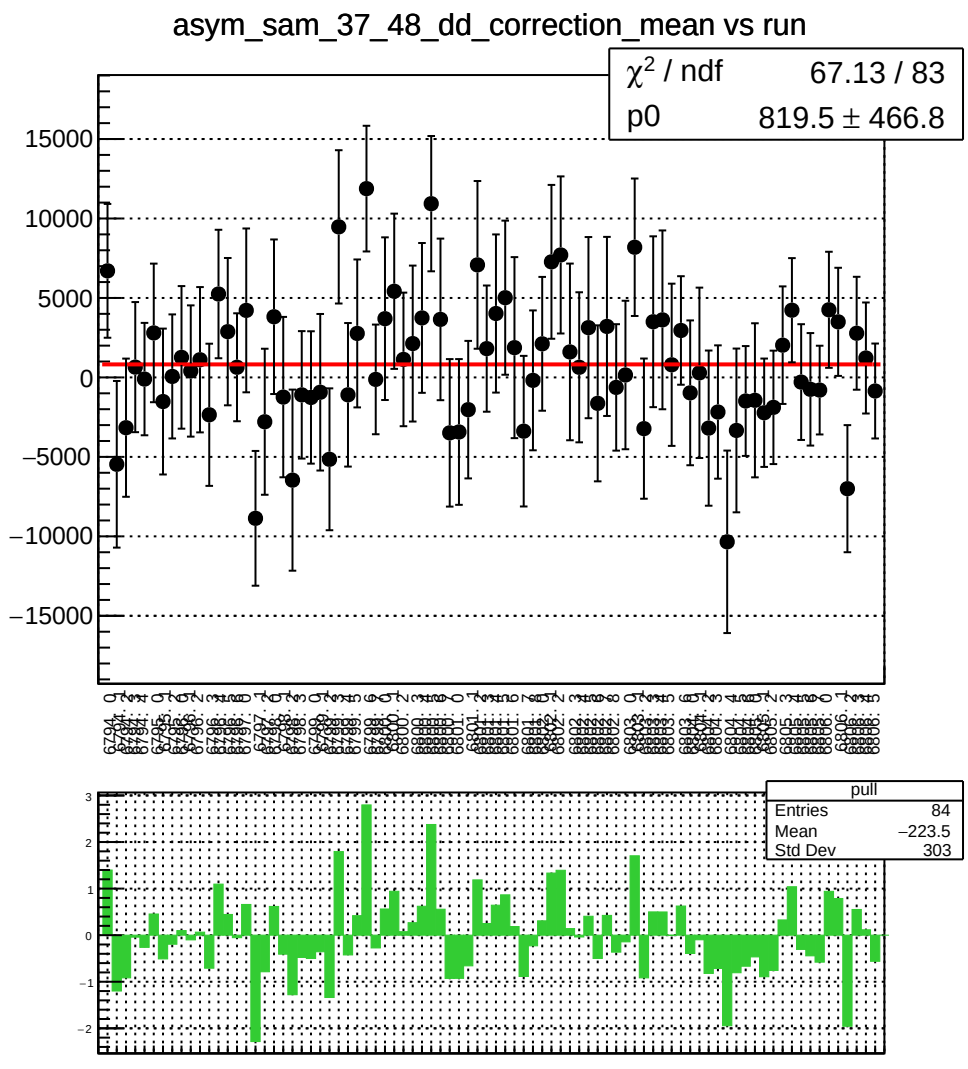

asym_sam_15_48_dd_mean vs run
χ² / ndf 83.13 / 83
p0 −325.8 ± 575.2
20000
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean −60.08
Std Dev 156
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 84
Mean −0.006156
Std Dev 0.9948
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

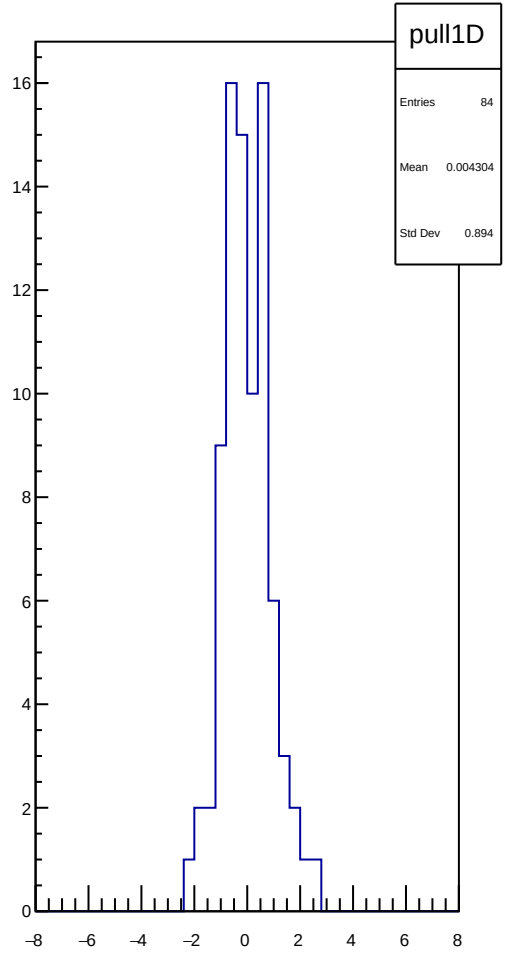

asym_sam_15_48_dd_rms vs run
χ^2 / ndf 7930 / 83
p0 517 ± 0.4067
600
580
560
540
520
500
480
460
440

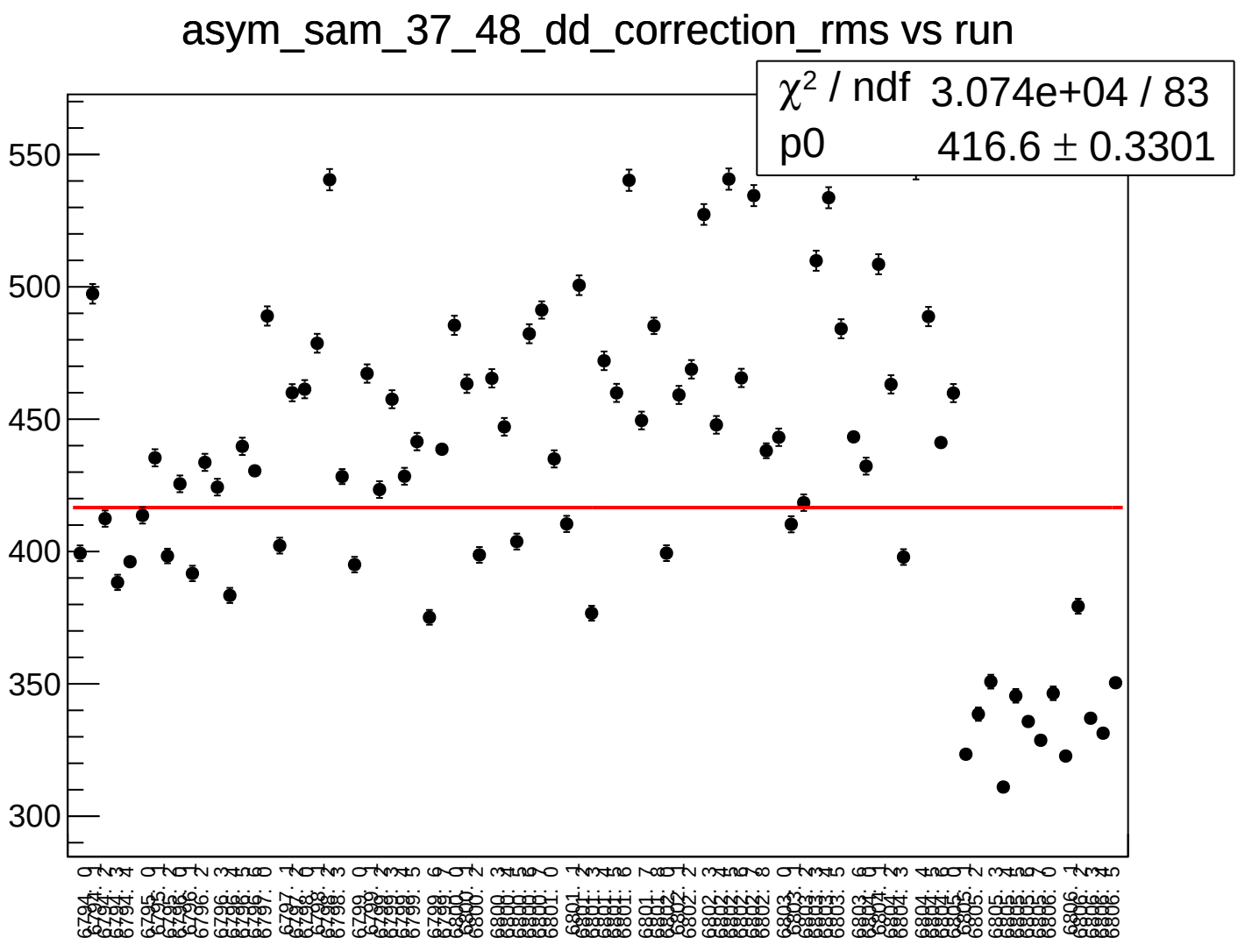

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 91.95 / 83
p0 51.19 ± 87.43
pull
Entries 84
Mean −4749
Std Dev 4788

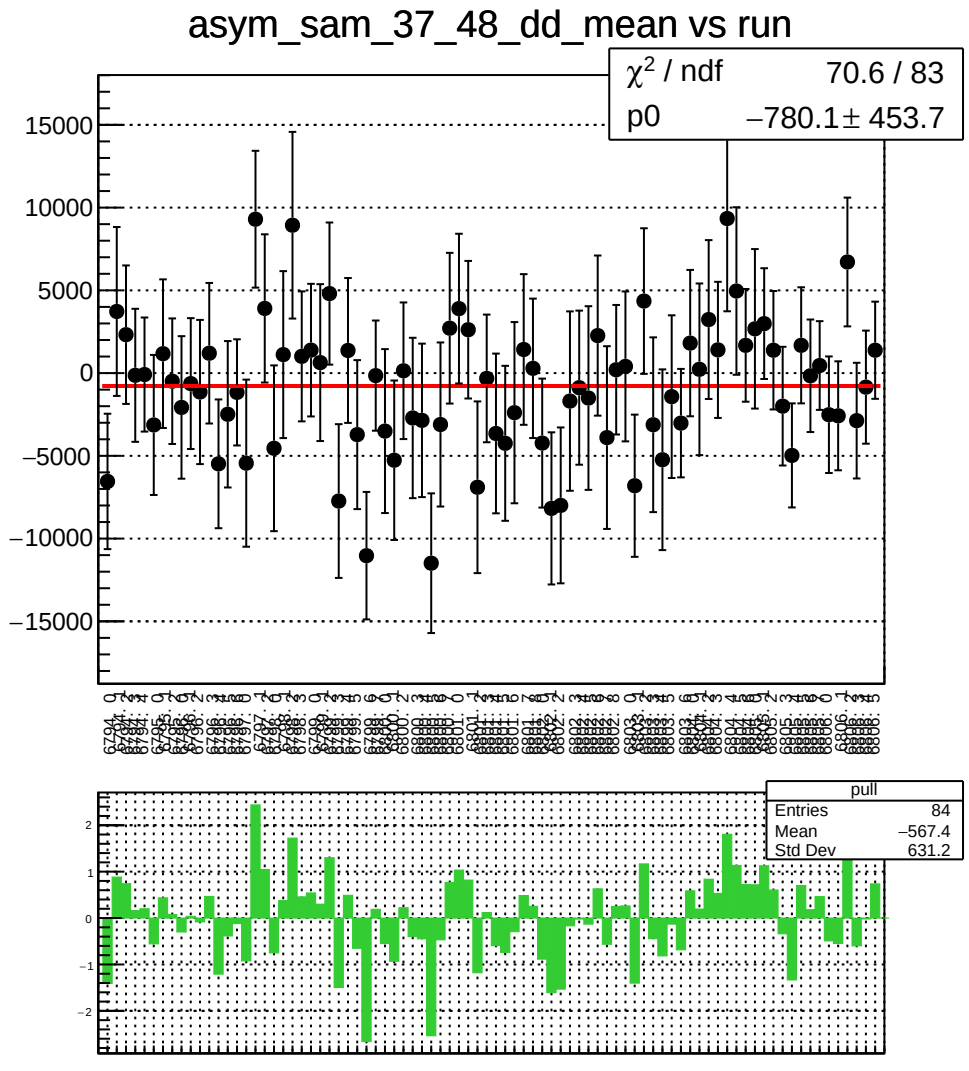

pull1D
Entries 84
Mean −0.0009446
Std Dev 1.046

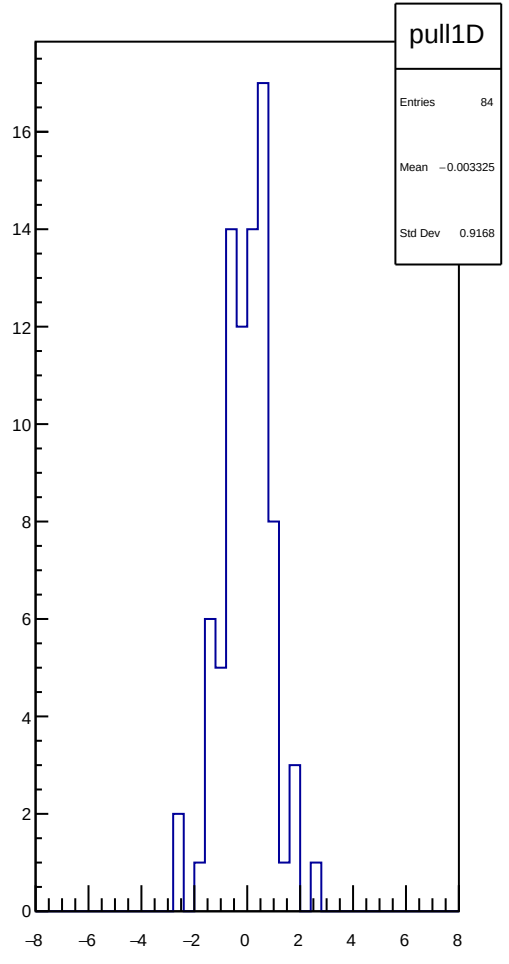

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 5737 / 83
p0 78.64 ± 0.06182
95
90
85
80
75
70

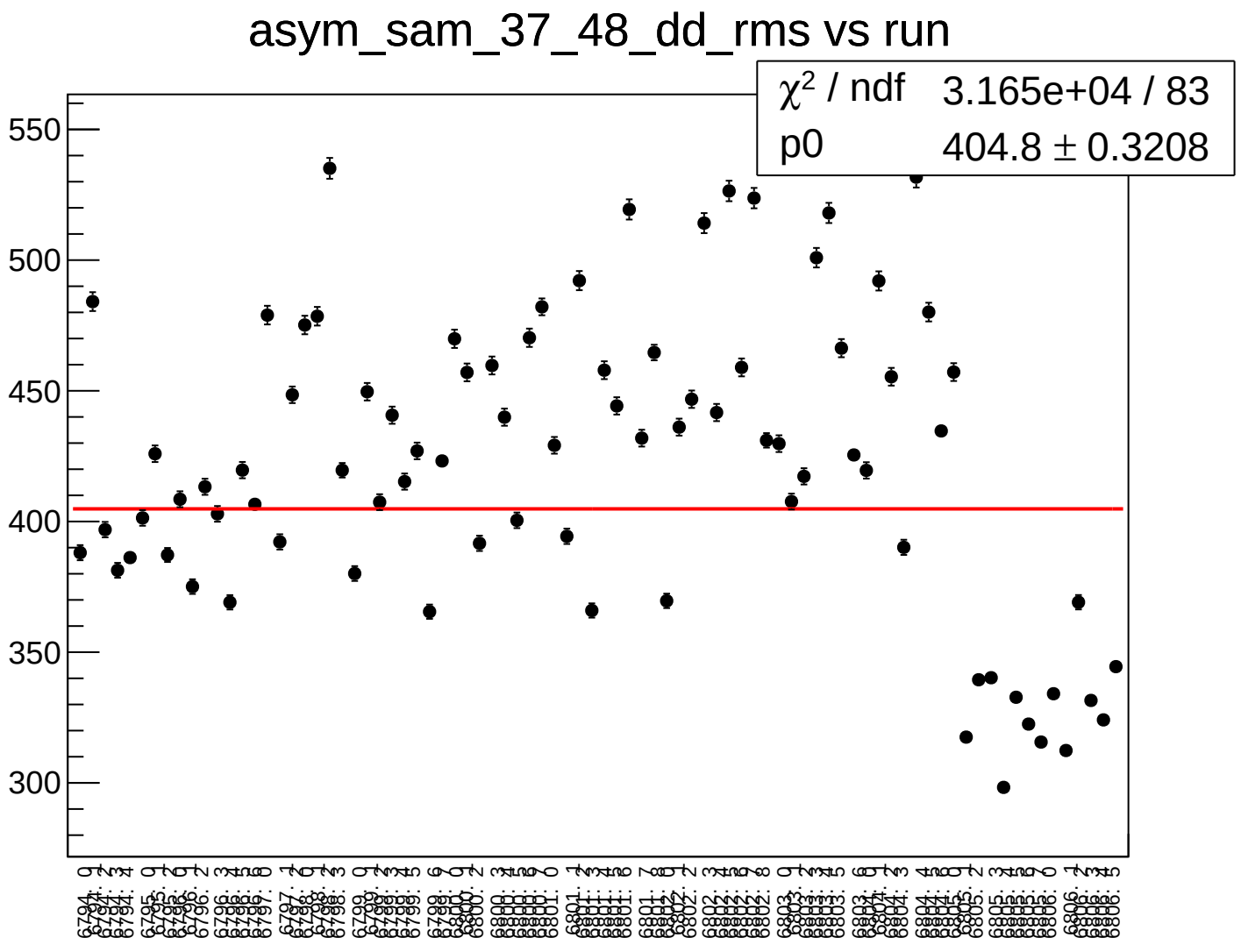

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 67.13 / 83
p0 819.5 ± 466.8
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean −223.5
Std Dev 303
3
2
1
0
−1
−2

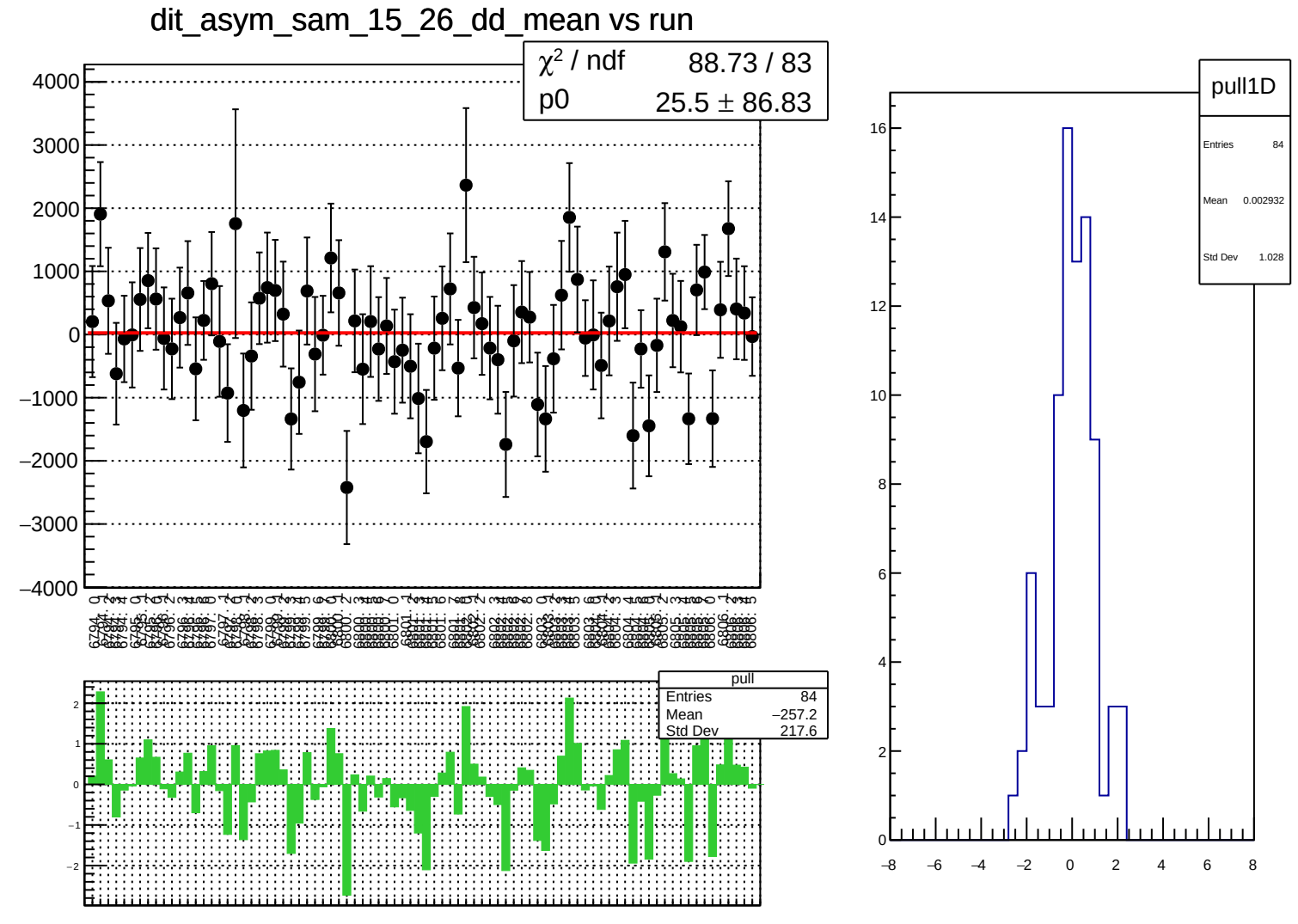

pull1D
Entries 84
Mean 0.004304
Std Dev 0.894
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

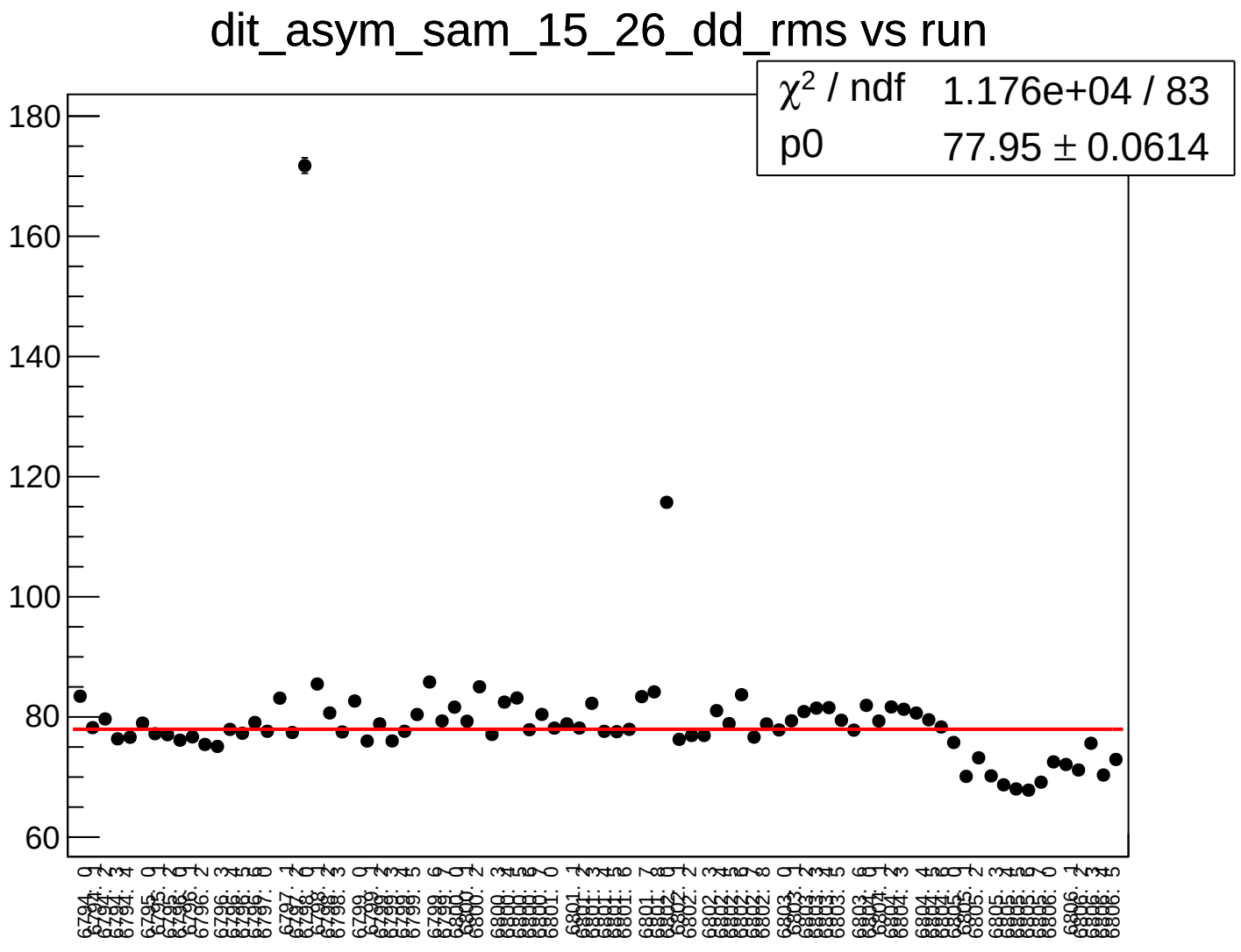

asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 3.074e+04 / 83
p0 416.6 ± 0.3301
550
500
450
400
350
300

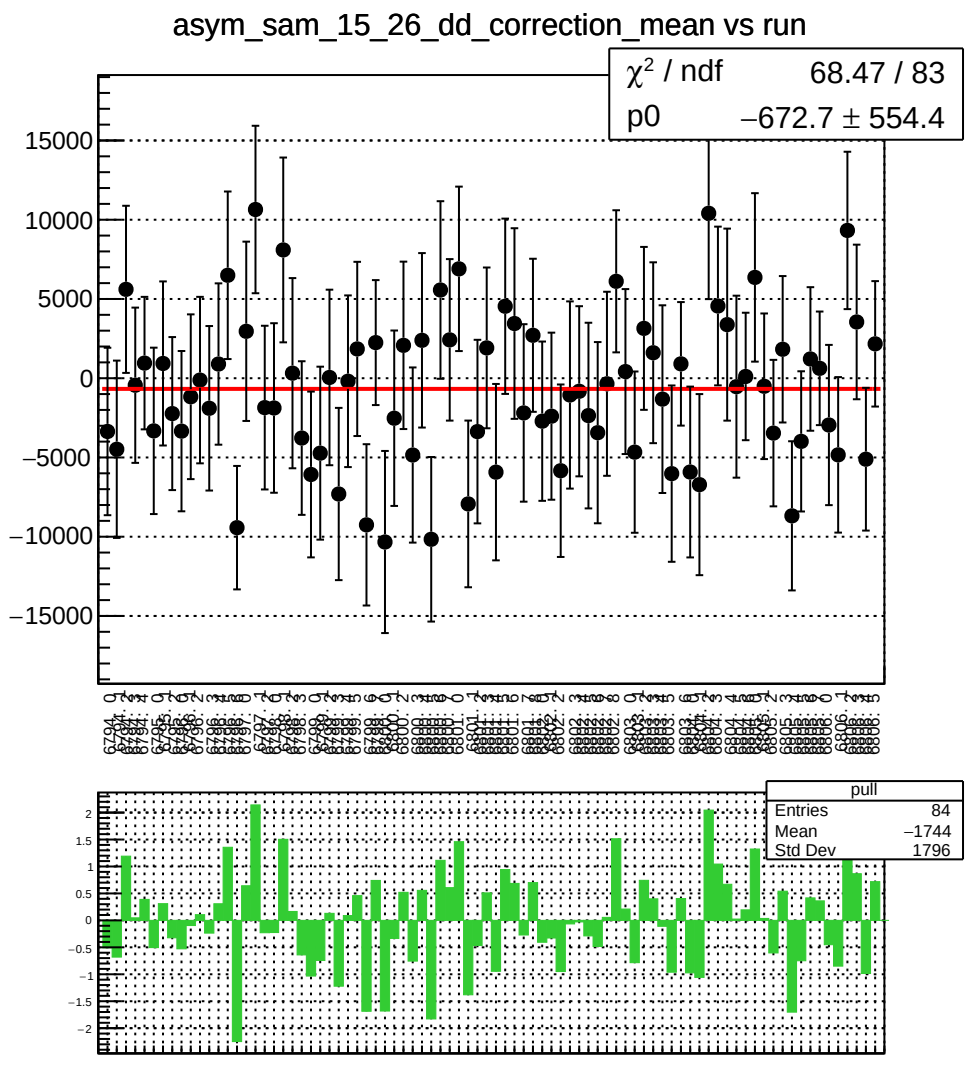

asym_sam_37_48_dd_mean vs run
χ² / ndf 70.6 / 83
p0 −780.1 ± 453.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean −567.4
Std Dev 631.2
2
1
0
−1
−2

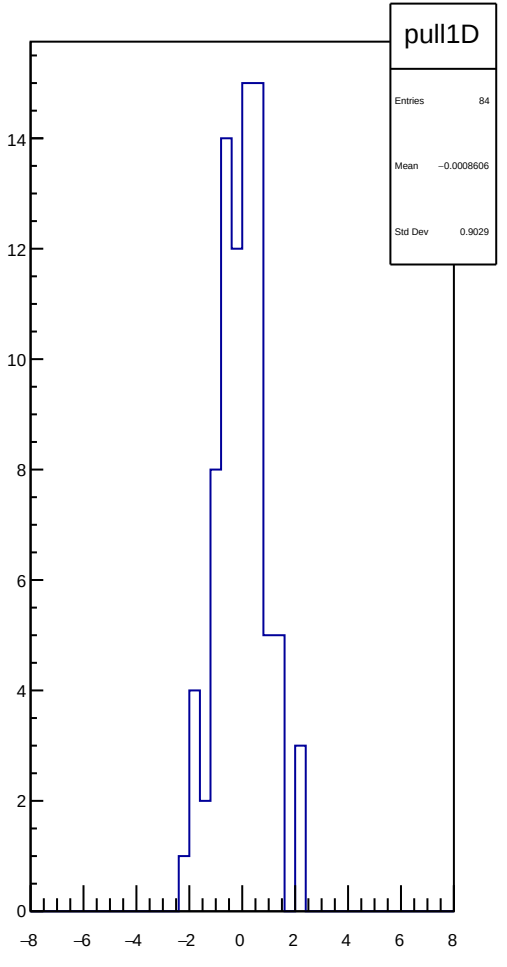

pull1D
Entries 84
Mean −0.003325
Std Dev 0.9168
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

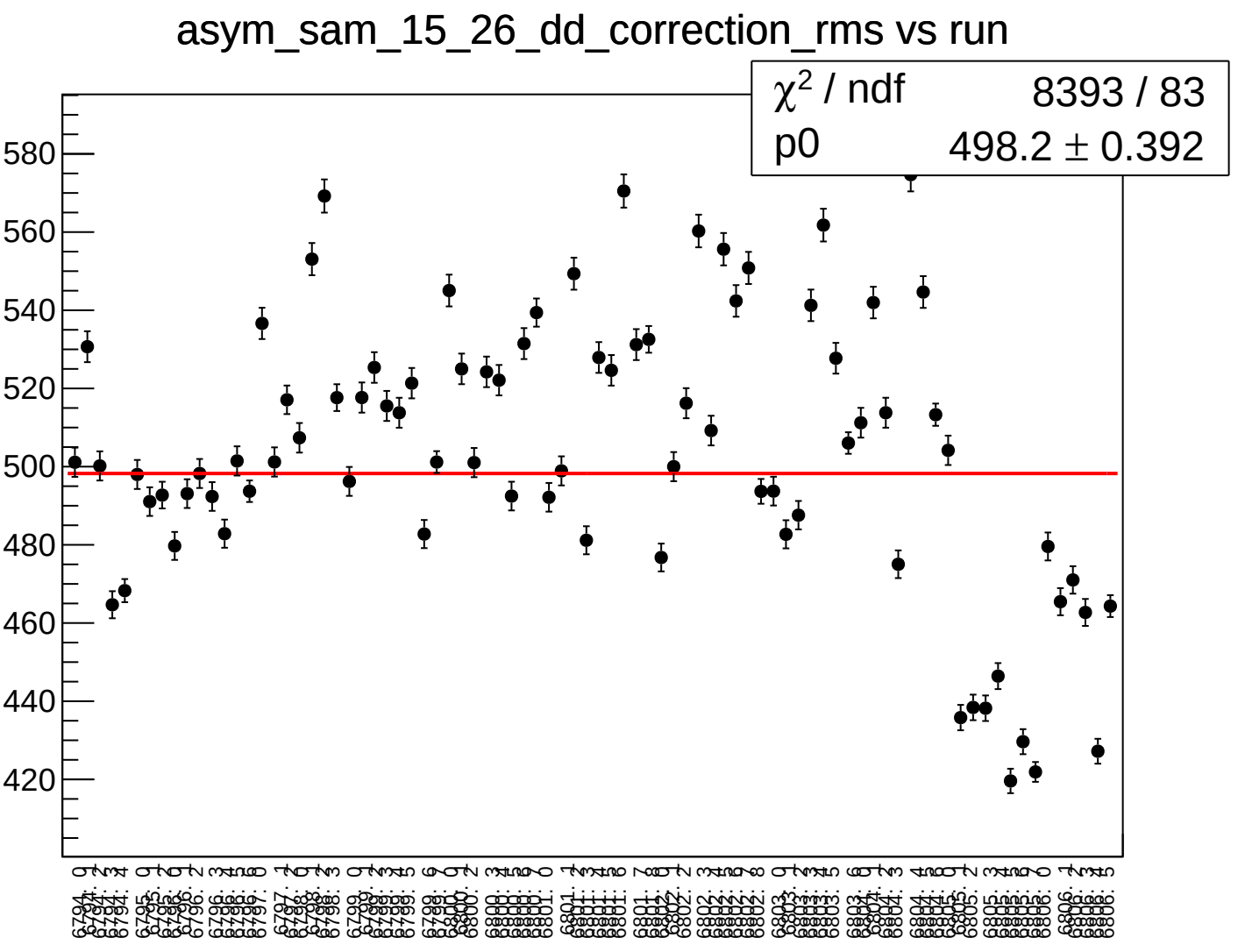

asym_sam_37_48_dd_rms vs run
χ² / ndf 3.165e+04 / 83
p0 404.8 ± 0.3208
550
500
450
400
350
300

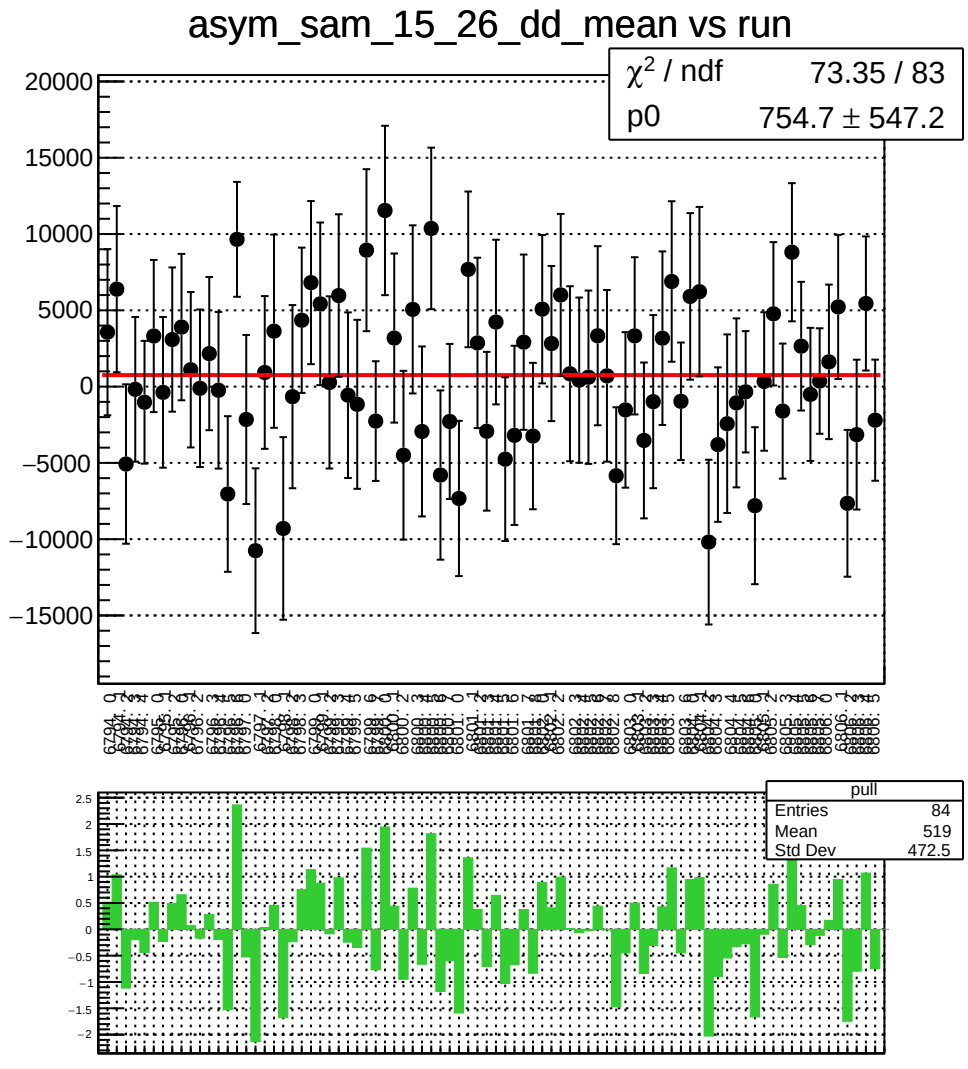

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 88.73 / 83
p0 25.5 ± 86.83
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 84
Mean −257.2
Std Dev 217.6
2
1
0
−1
−2
pull1D
Entries 84
Mean 0.002932
Std Dev 1.028
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

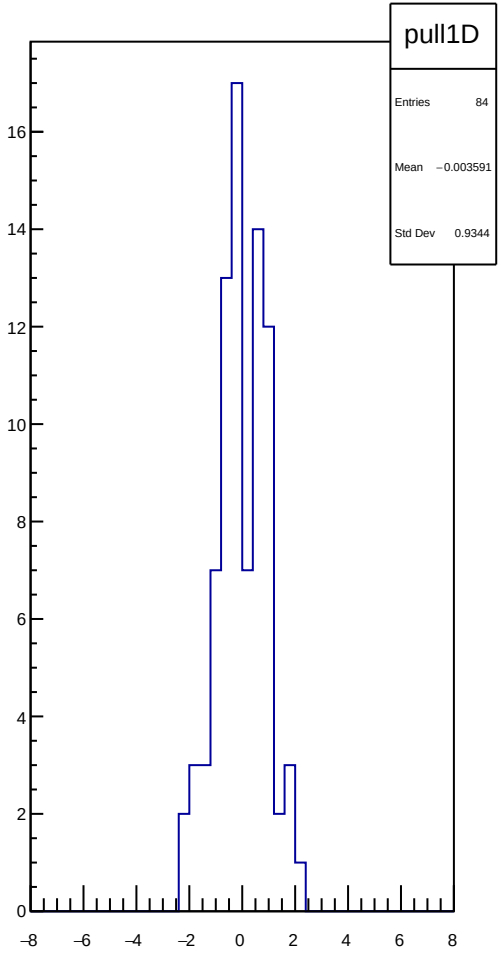

dit_asym_sam_15_26_dd_rms vs run
χ^2 / ndf 1.176e+04 / 83
p0 77.95 ± 0.0614
180
160
140
120
100
80
60

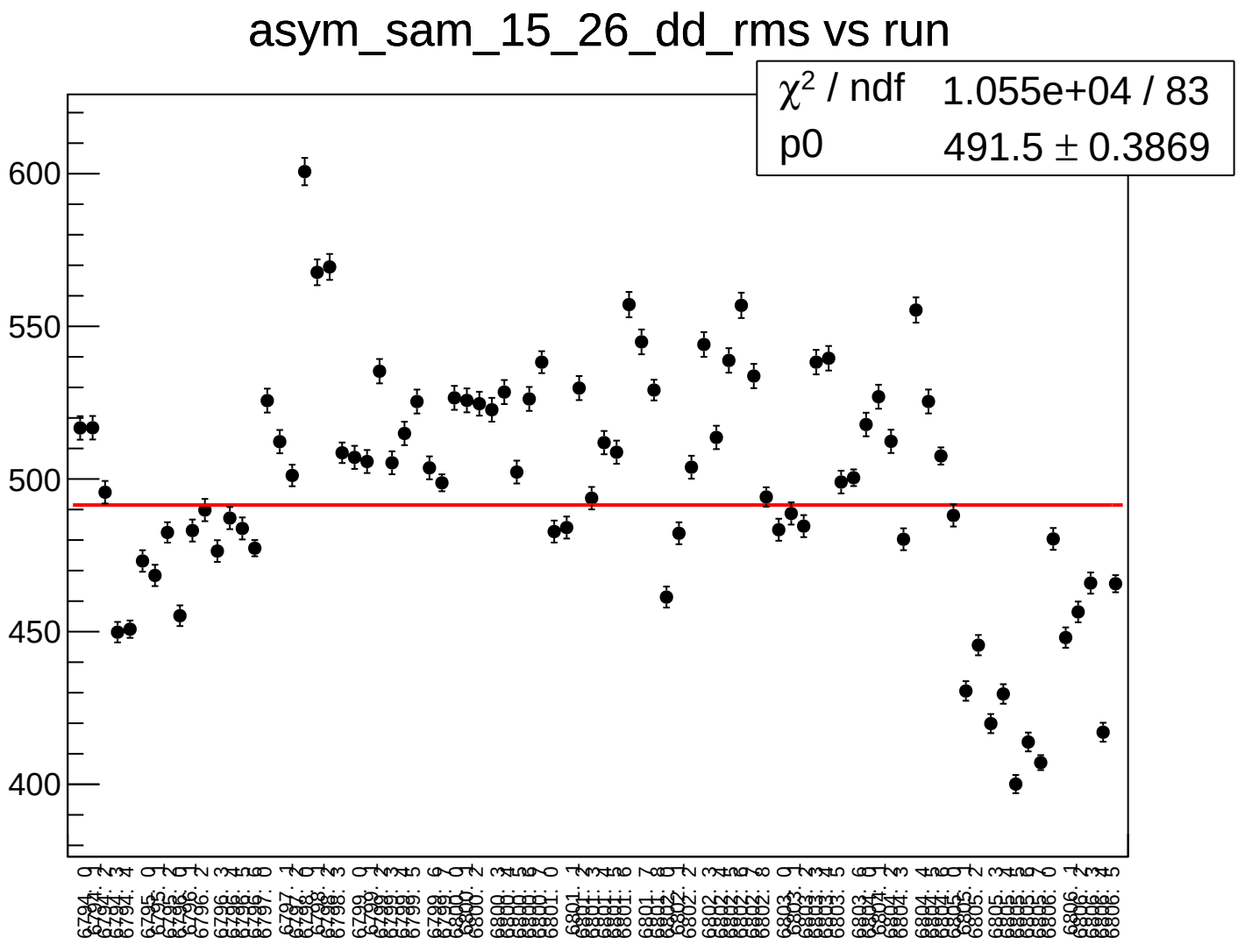

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 68.47 / 83
p0 −672.7 ± 554.4
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean −1744
Std Dev 1796
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

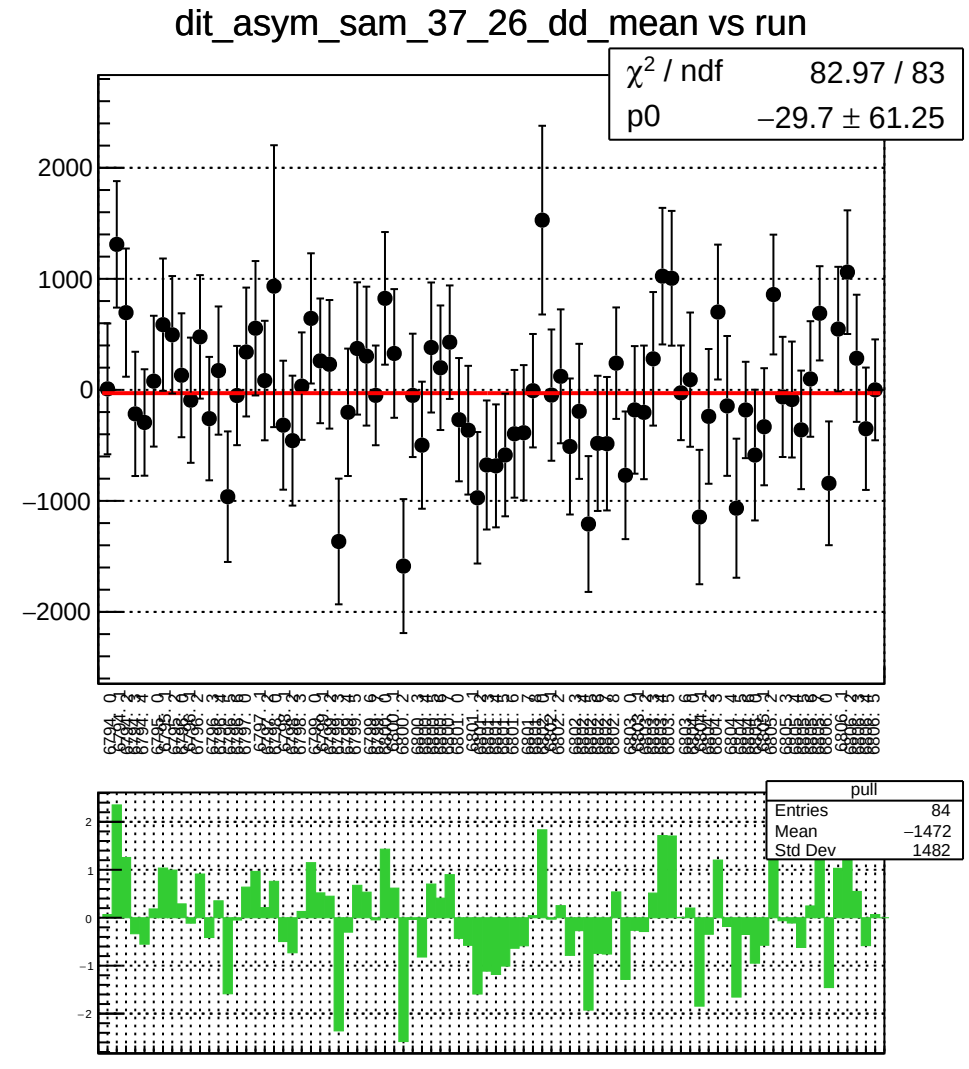

pull1D
Entries 84
Mean −0.0008606
Std Dev 0.9029
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

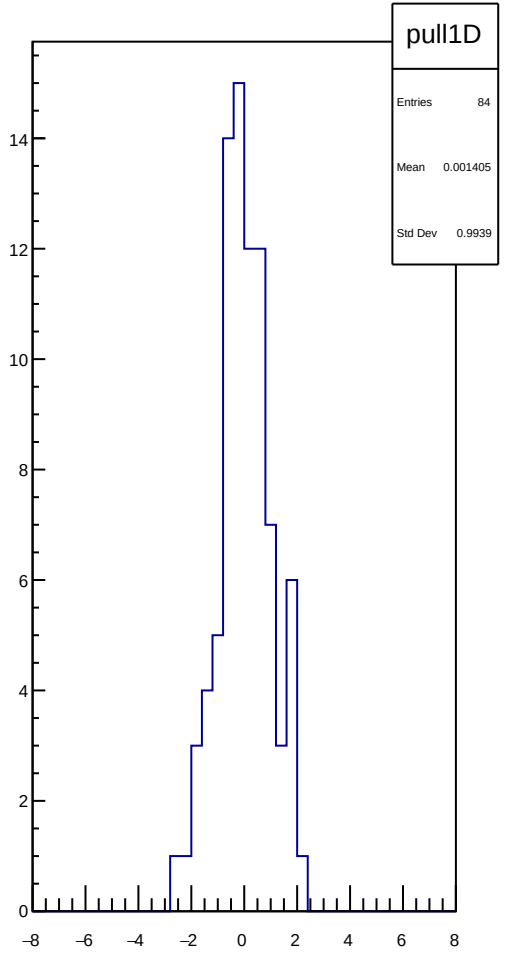

asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 8393 / 83
p0 498.2 ± 0.392
580
560
540
520
500
480
460
440
420

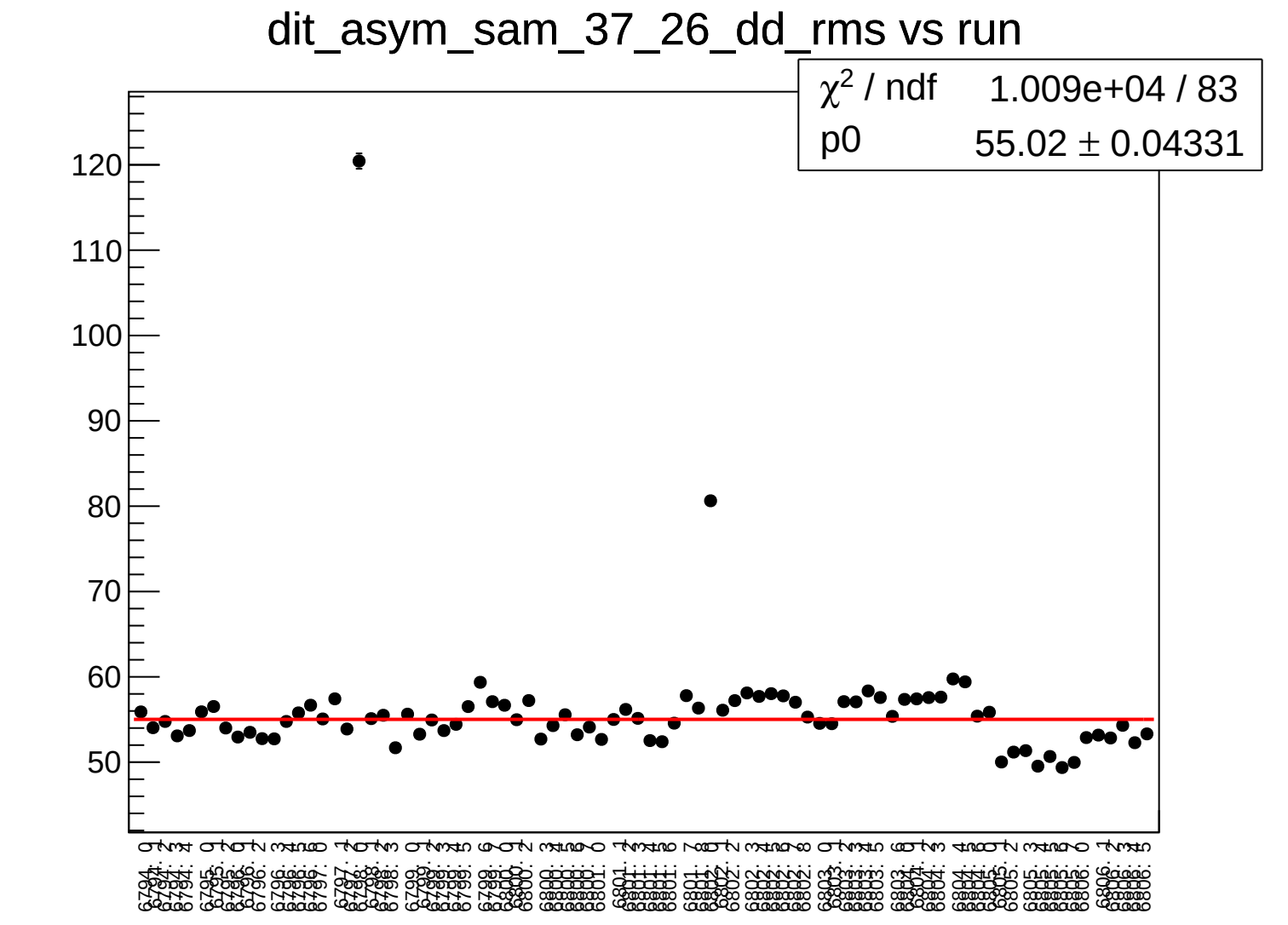

asym_sam_15_26_dd_mean vs run
χ² / ndf 73.35 / 83
p0 754.7 ± 547.2
pull
Entries 84
Mean 519
Std Dev 472.5

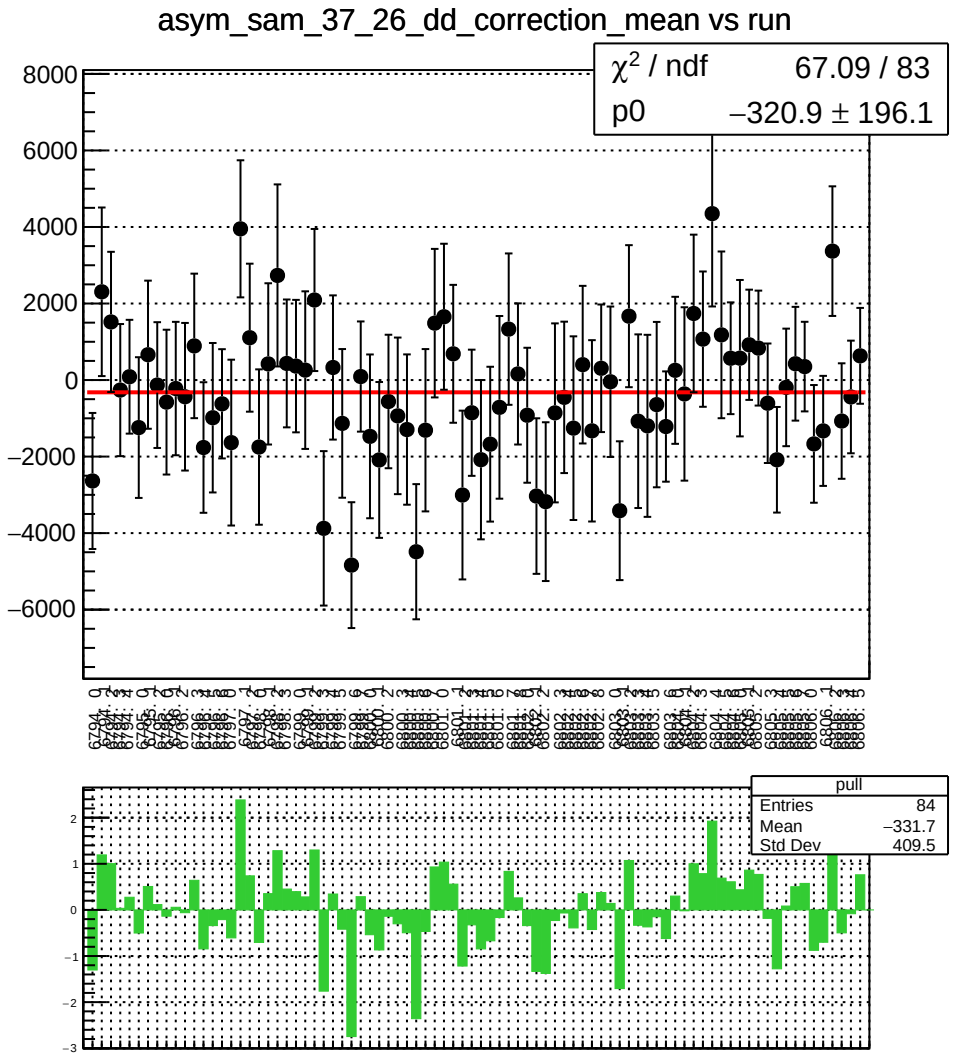

pull1D
Entries 84
Mean −0.003591
Std Dev 0.9344

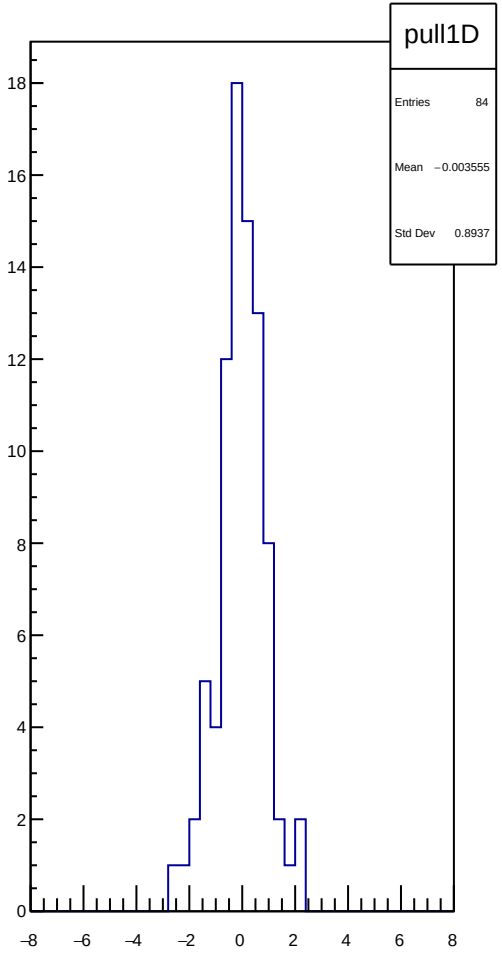

asym_sam_15_26_dd_rms vs run
χ^2 / ndf 1.055e+04 / 83
p0 491.5 ± 0.3869
600
550
500
450
400

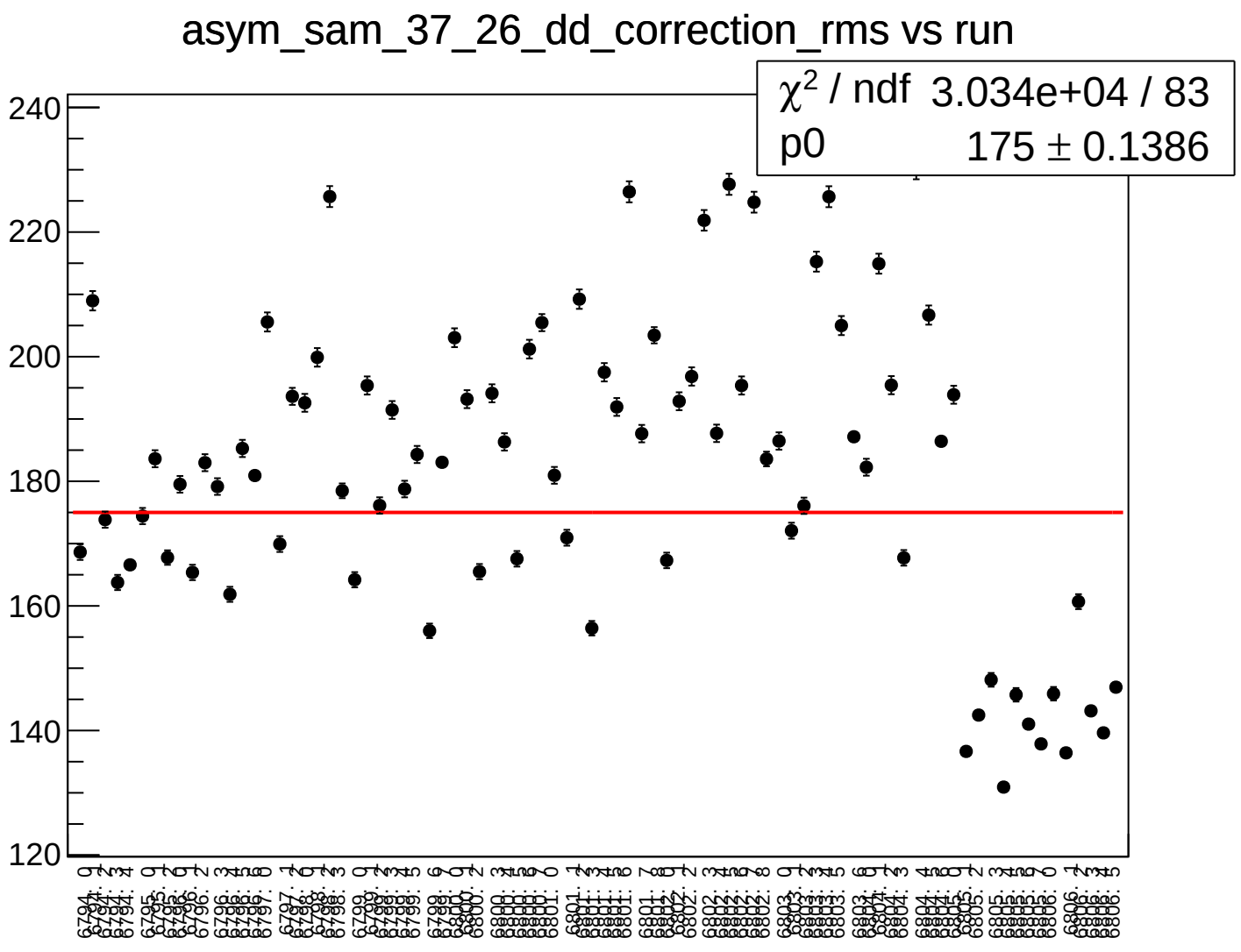

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 82.97 / 83
p0 −29.7 ± 61.25
2000
1000
0
−1000
−2000
pull
Entries 84
Mean −1472
Std Dev 1482
2
1
0
−1
−2

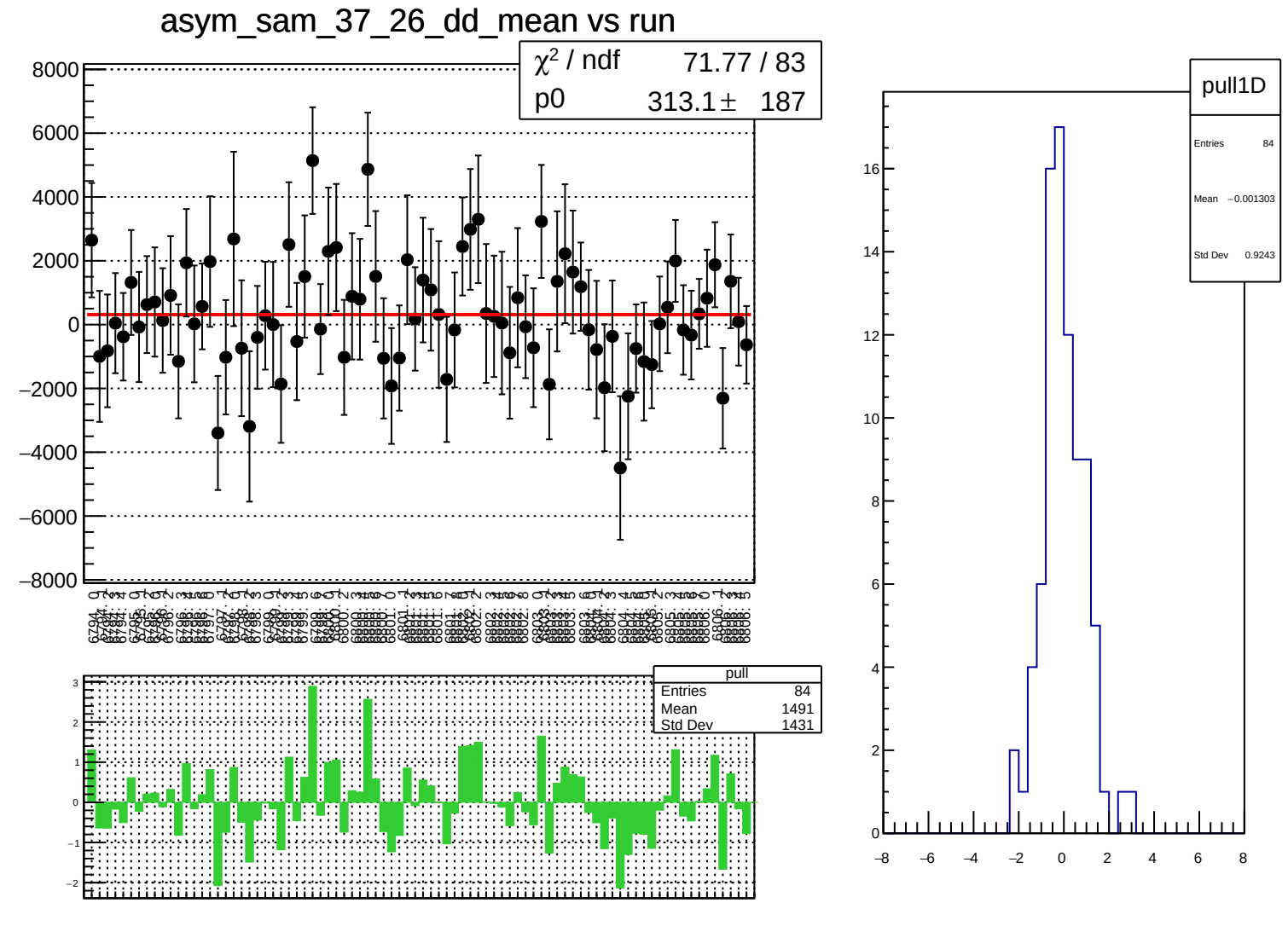

pull1D
Entries 84
Mean 0.001405
Std Dev 0.9939
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

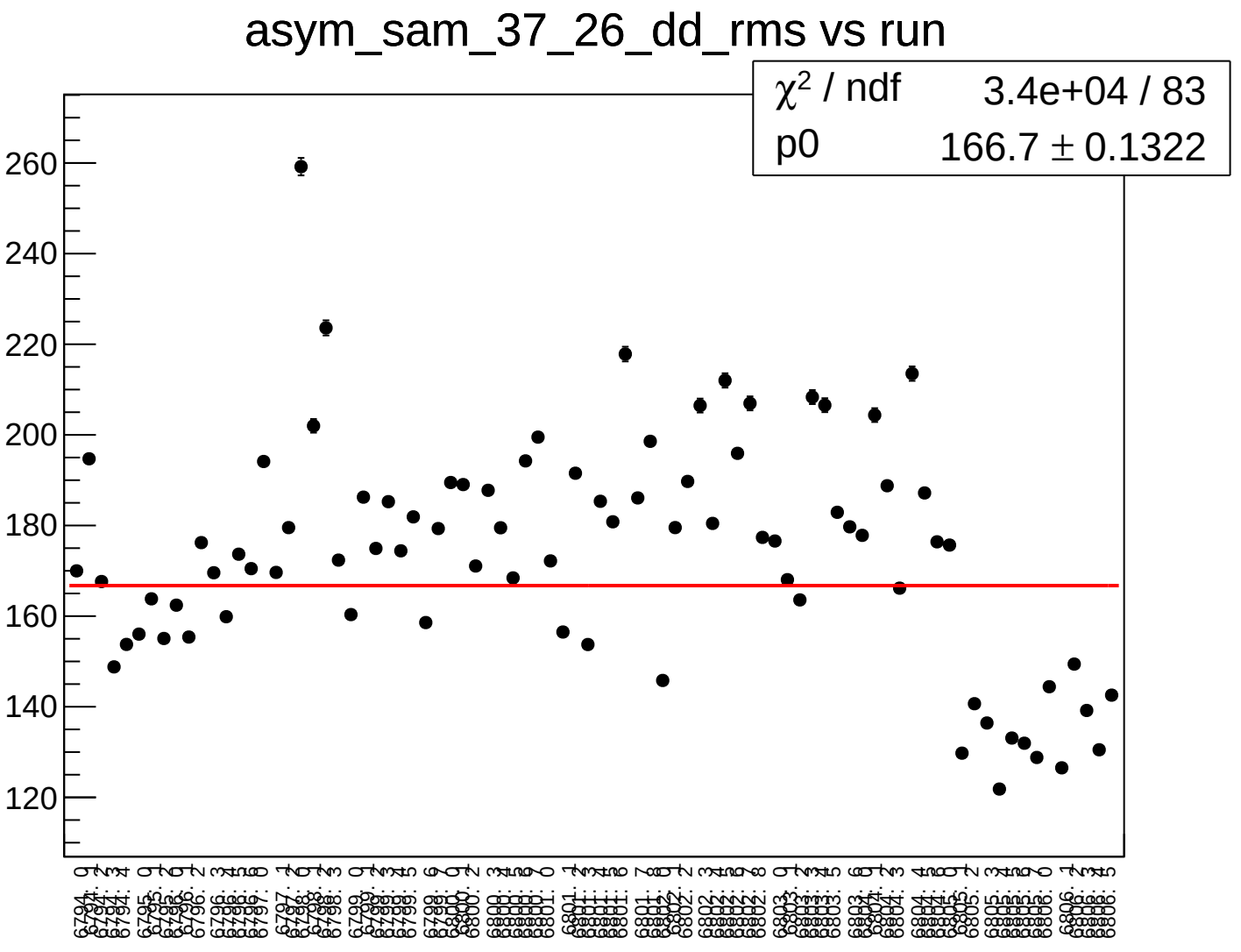

dit_asym_sam_37_26_dd_rms vs run
χ^2 / ndf 1.009e+04 / 83
p0 55.02 ± 0.04331
120
110
100
90
80
70
60
50

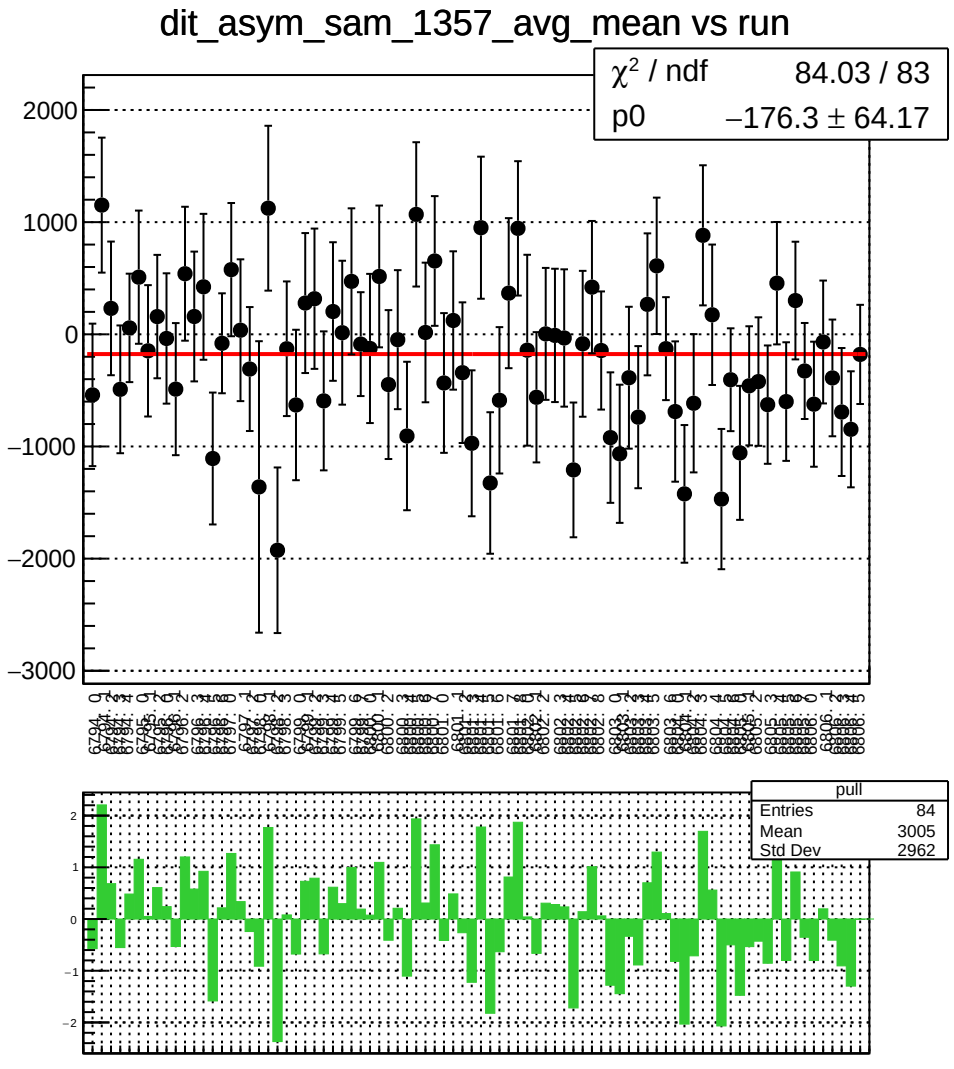

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 67.09 / 83
p0 −320.9 ± 196.1
pull
Entries 84
Mean −331.7
Std Dev 409.5

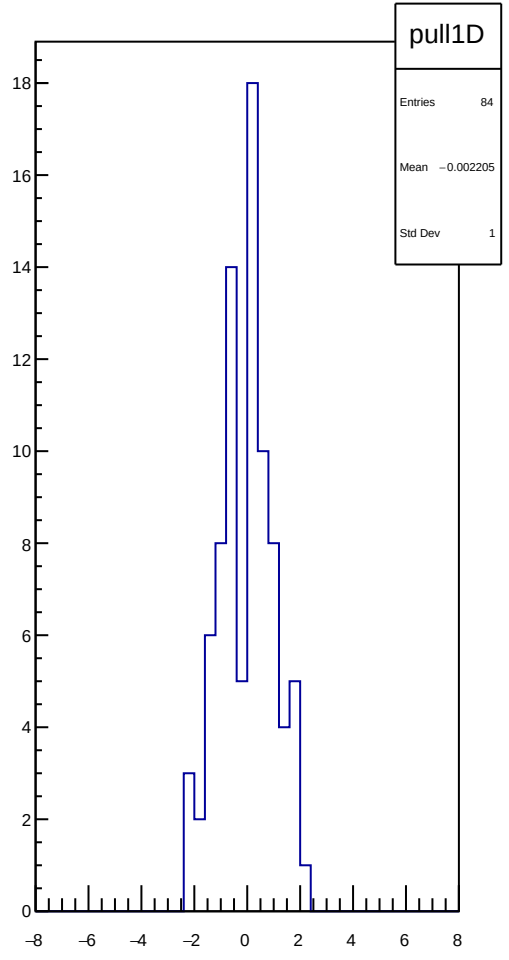

pull1D
Entries 84
Mean −0.003555
Std Dev 0.8937

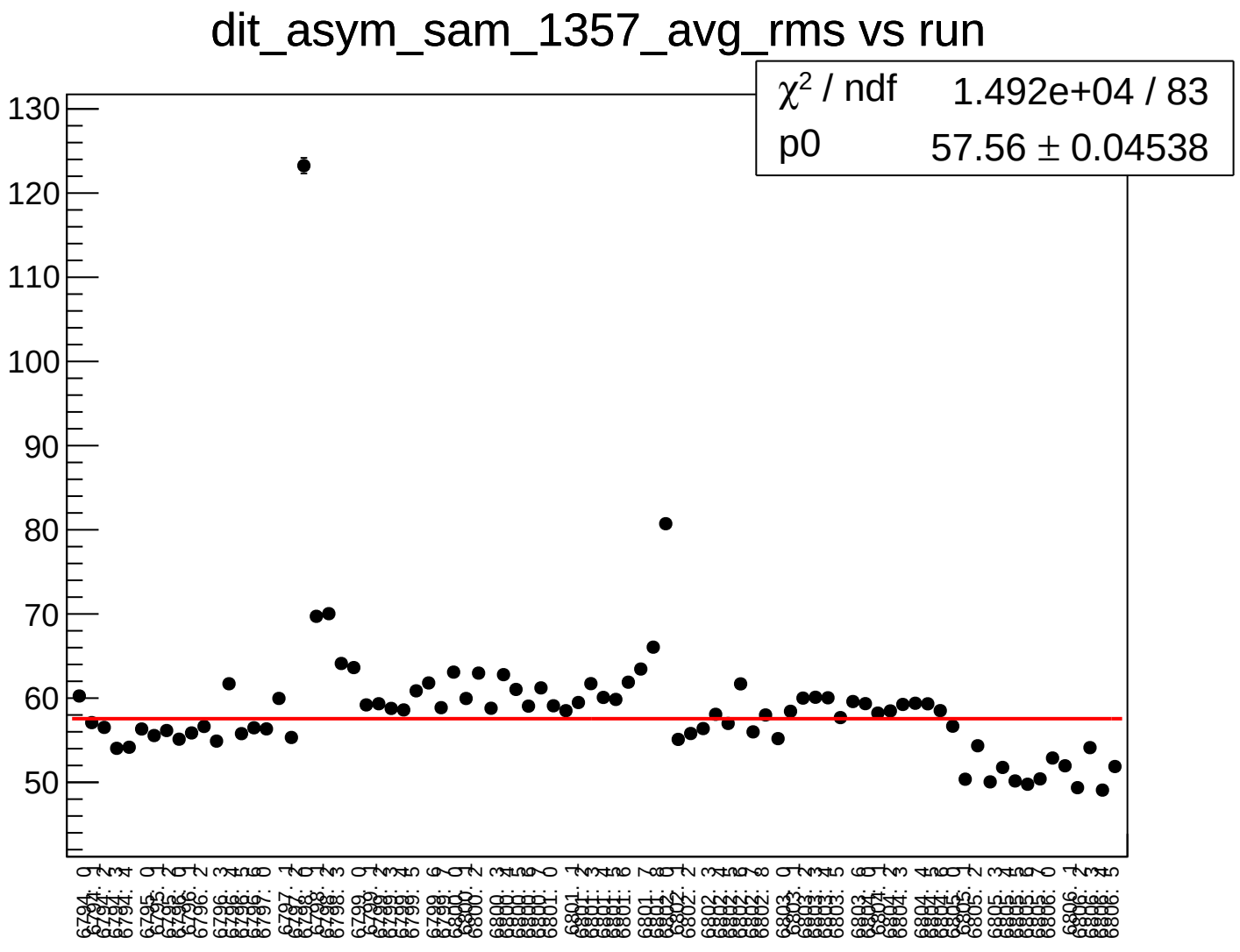

asym_sam_37_26_dd_correction_rms vs run
χ² / ndf 3.034e+04 / 83
p0 175 ± 0.1386
240
220
200
180
160
140
120

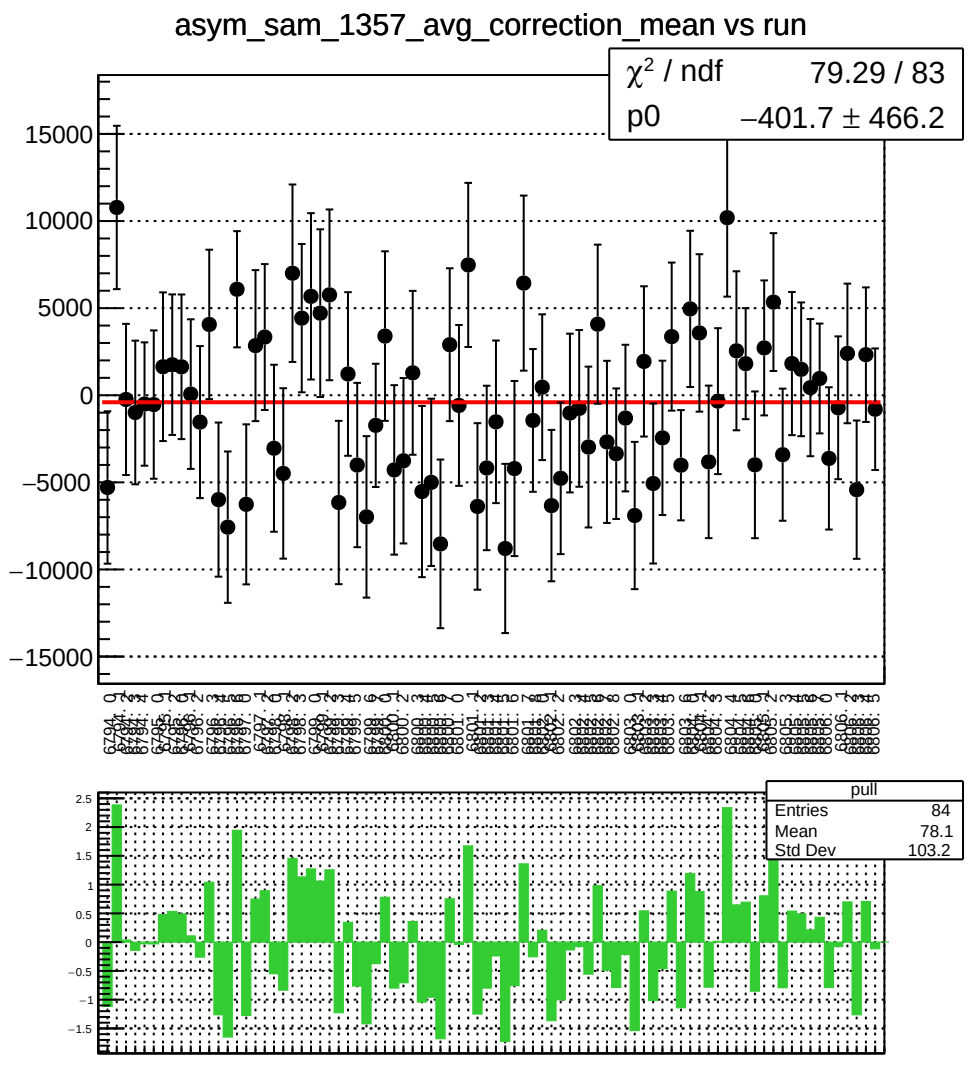

asym_sam_37_26_dd_mean vs run
χ² / ndf 71.77 / 83
p0 313.1 ± 187
pull
Entries 84
Mean 1491
Std Dev 1431
pull1D
Entries 84
Mean −0.001303
Std Dev 0.9243

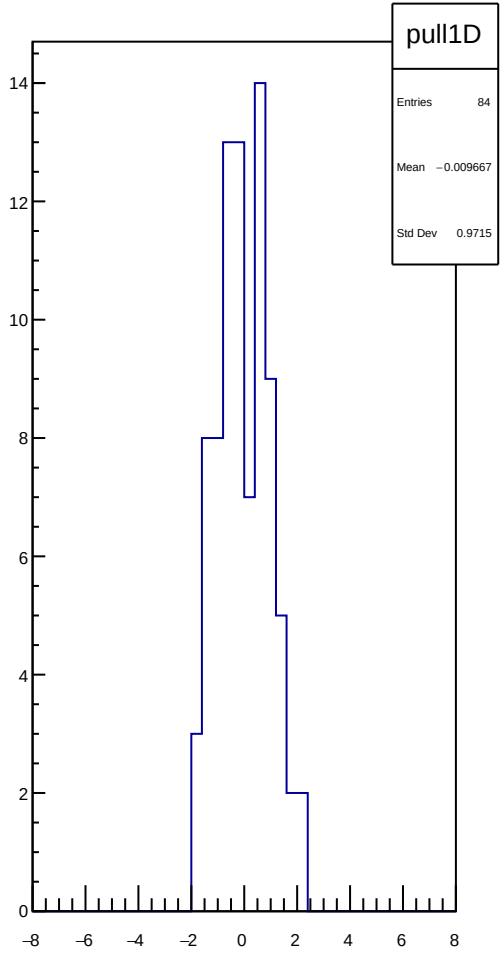

asym_sam_37_26_dd_rms vs run
χ² / ndf 3.4e+04 / 83
p0 166.7 ± 0.1322
260
240
220
200
180
160
140
120

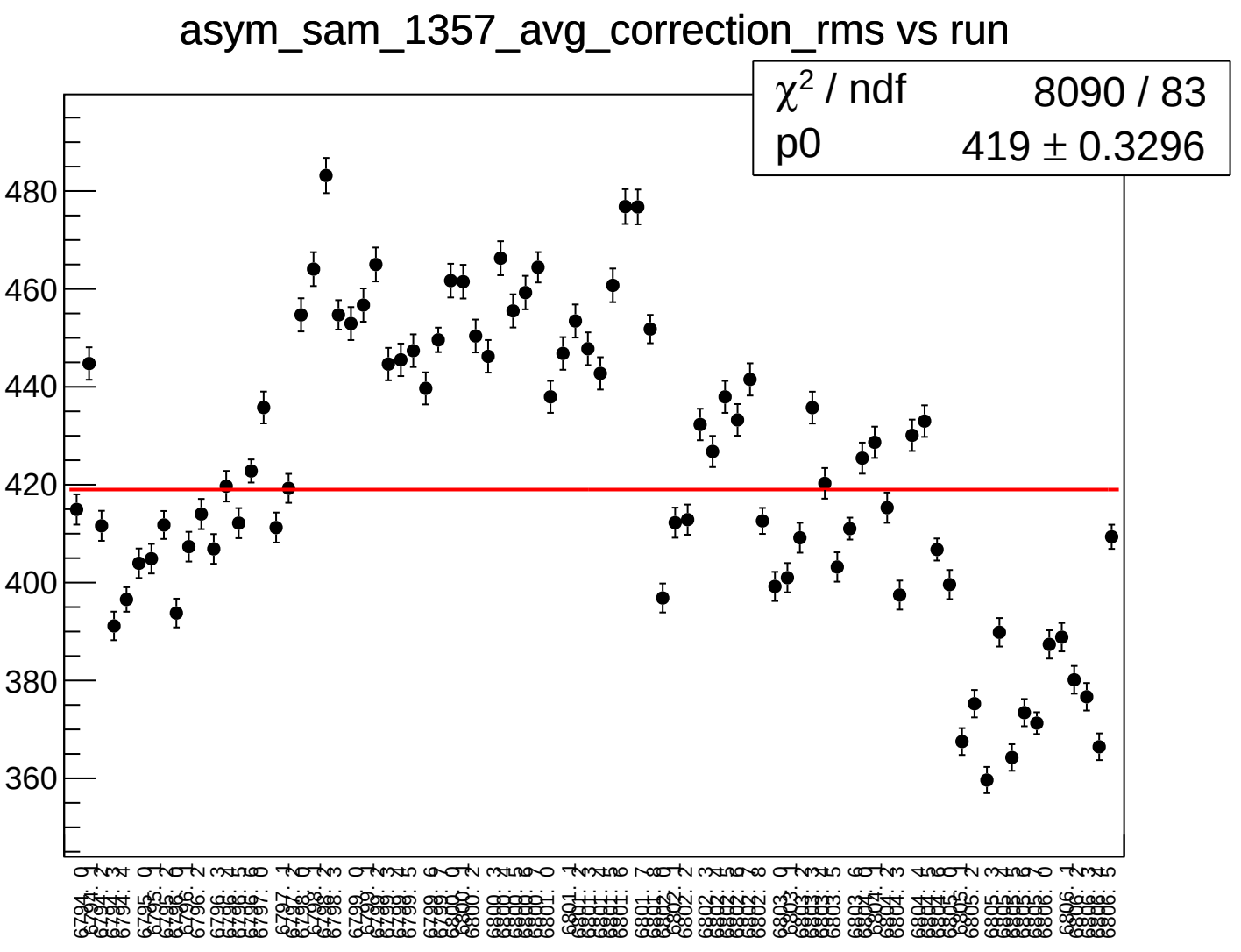

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 84.03 / 83
p0 −176.3 ± 64.17
2000
1000
0
−1000
−2000
−3000
pull
Entries 84
Mean 3005
Std Dev 2962
2
1
0
−1
−2

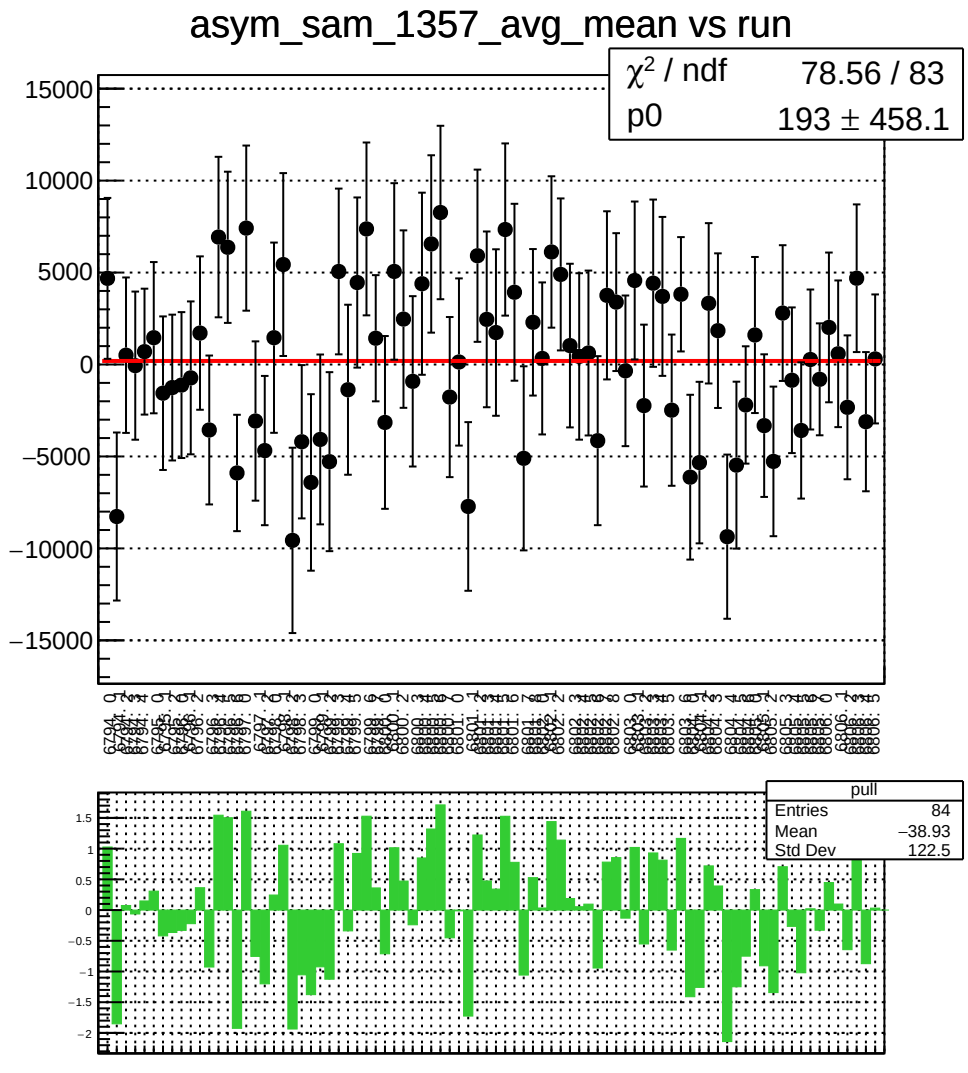

pull1D
Entries 84
Mean −0.002205
Std Dev 1
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

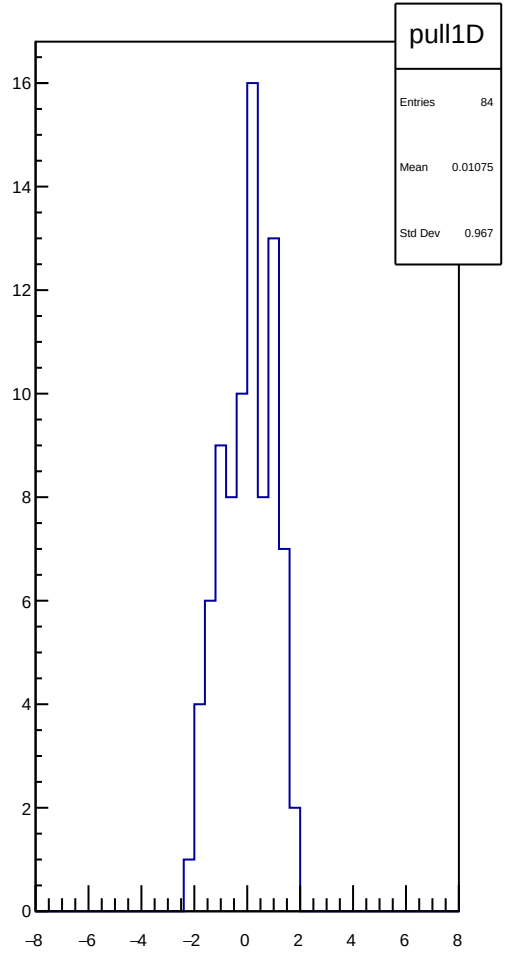

dit_asym_sam_1357_avg_rms vs run
χ^2 / ndf 1.492e+04 / 83
p0 57.56 ± 0.04538
130
120
110
100
90
80
70
60
50

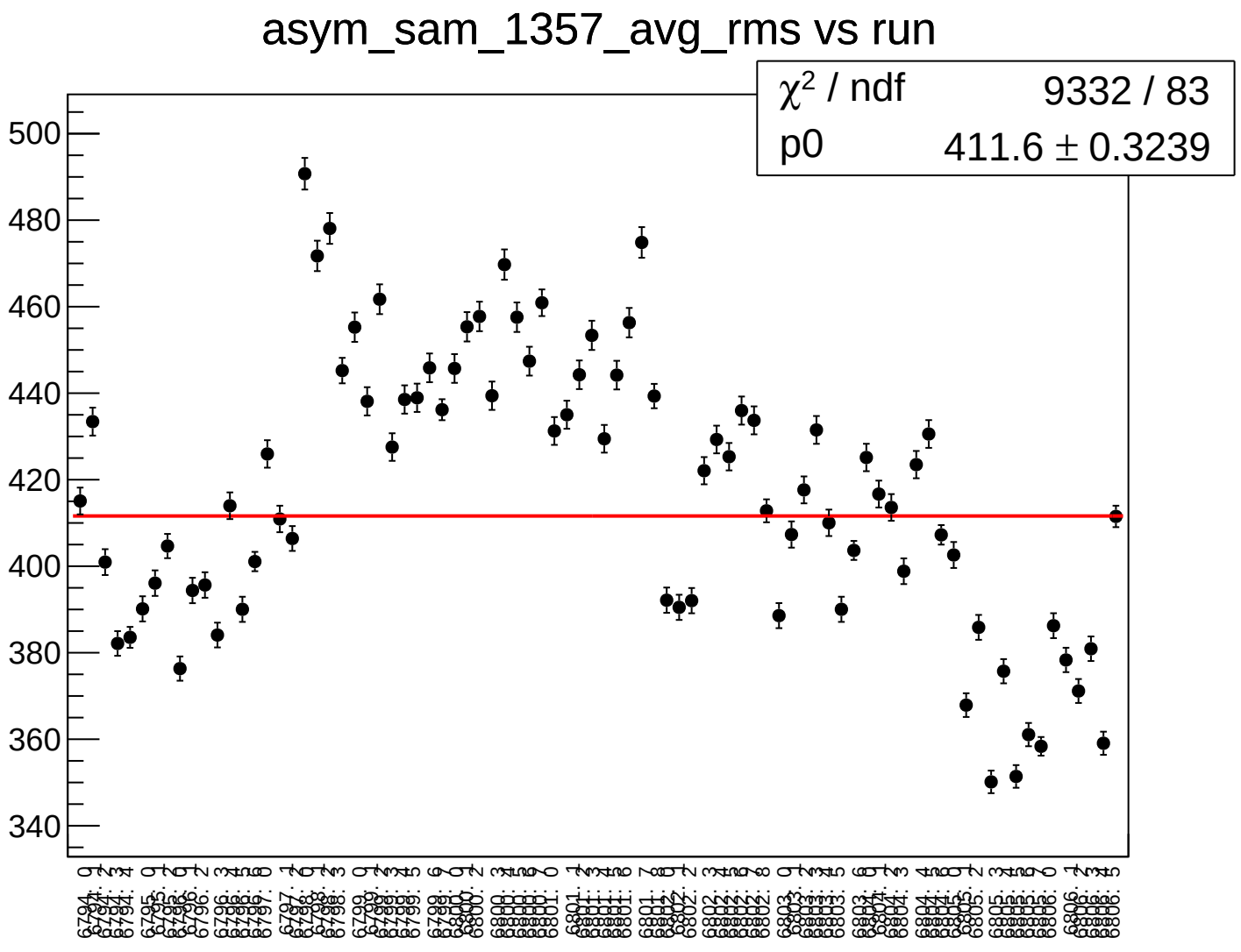

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 79.29 / 83
p0 −401.7 ± 466.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean 78.1
Std Dev 103.2
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

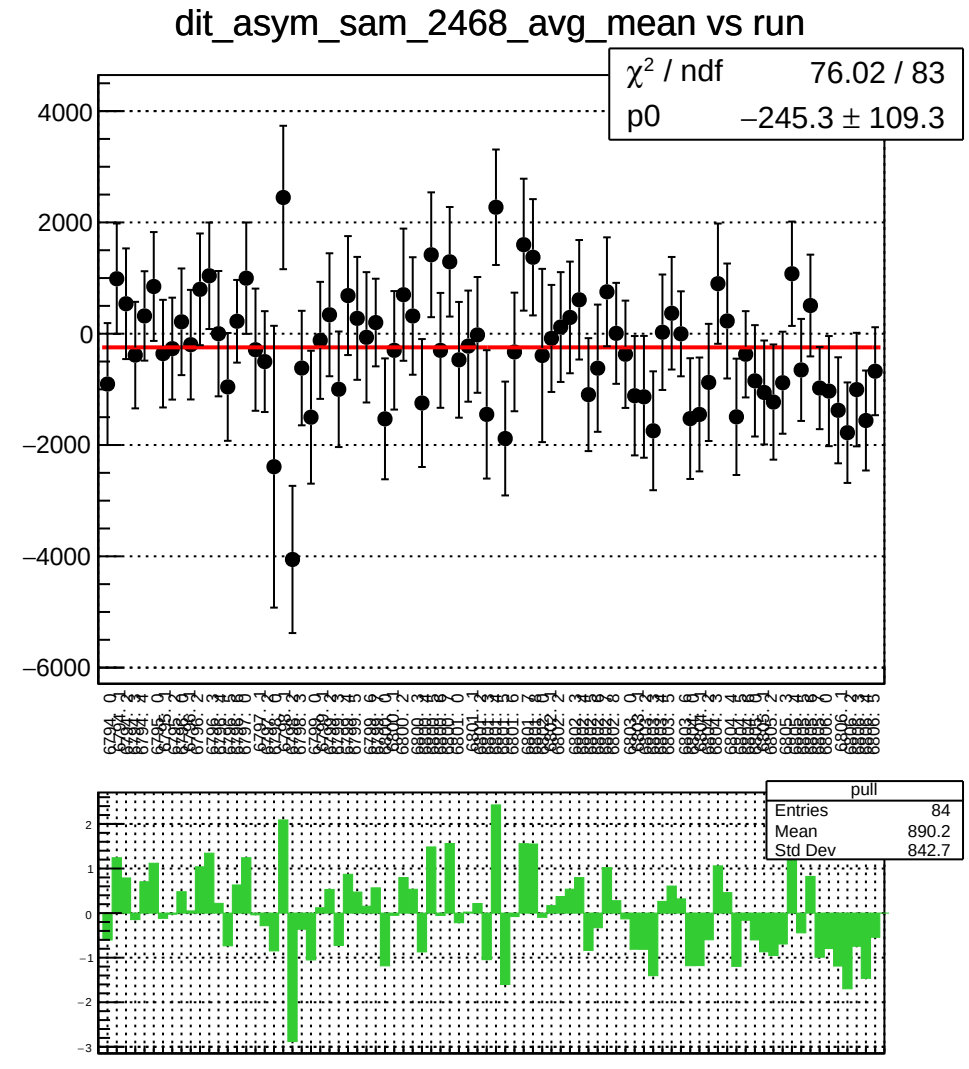

pull1D
Entries 84
Mean −0.009667
Std Dev 0.9715
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

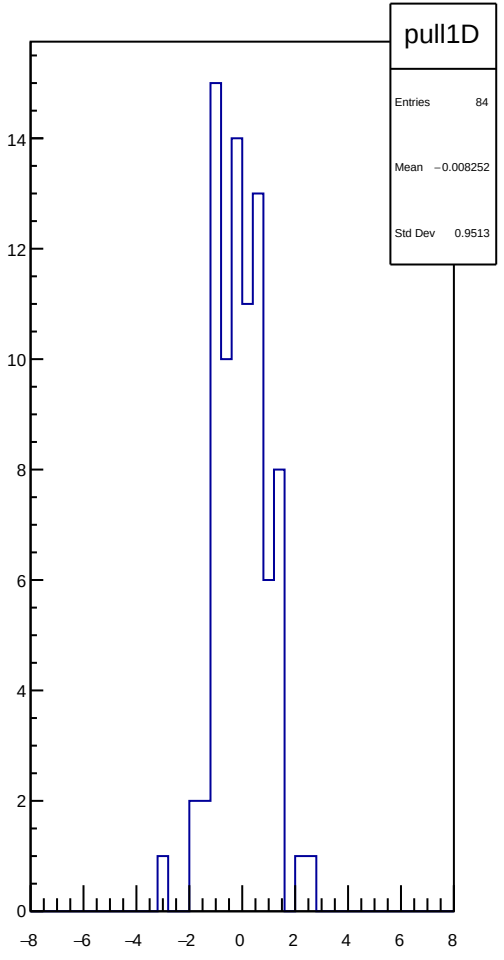

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 8090 / 83
p0 419 ± 0.3296
480
460
440
420
400
380
360

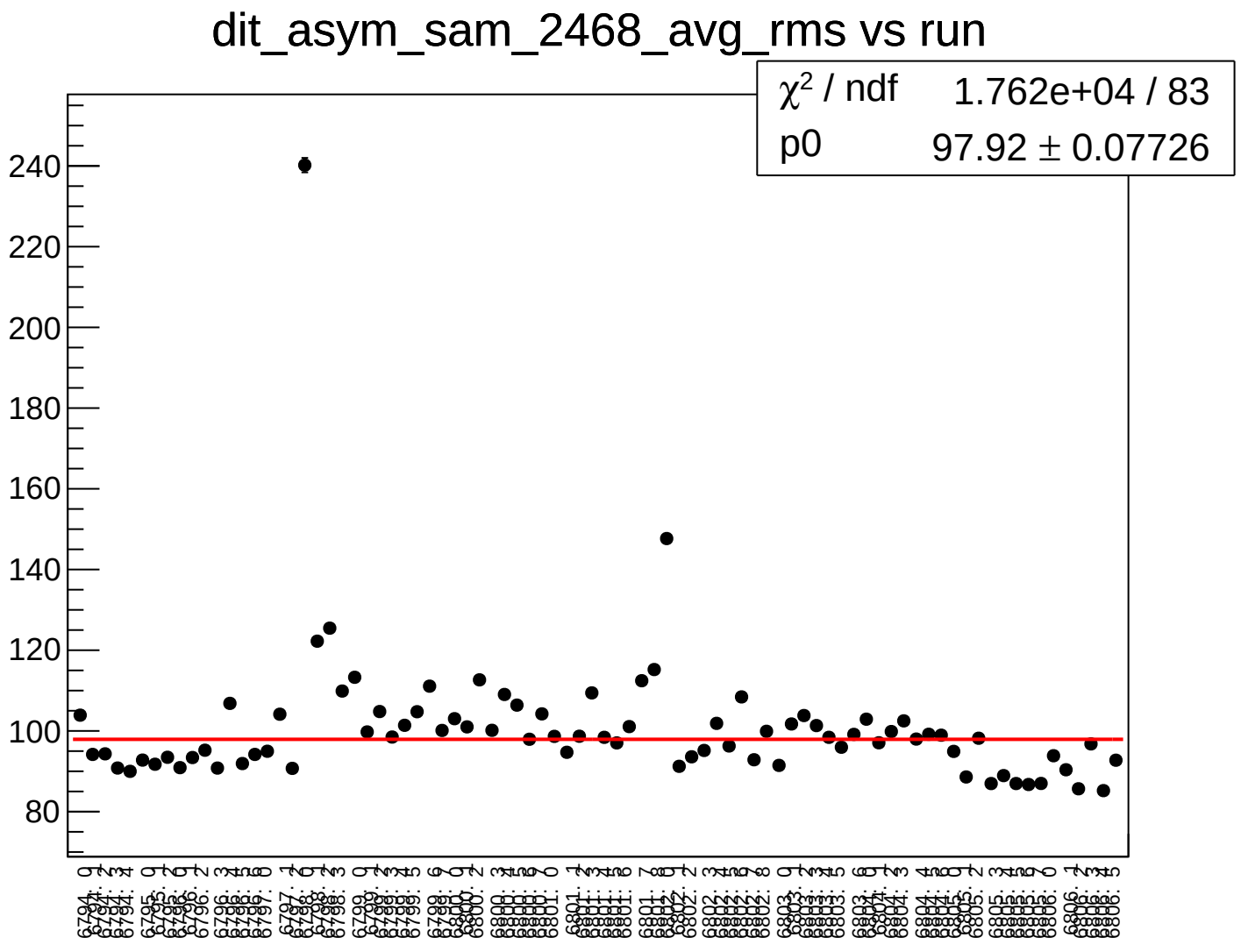

asym_sam_1357_avg_mean vs run
χ² / ndf 78.56 / 83
p0 193 ± 458.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean −38.93
Std Dev 122.5
1.5
1
0.5
0
−0.5
−1
−1.5
−2

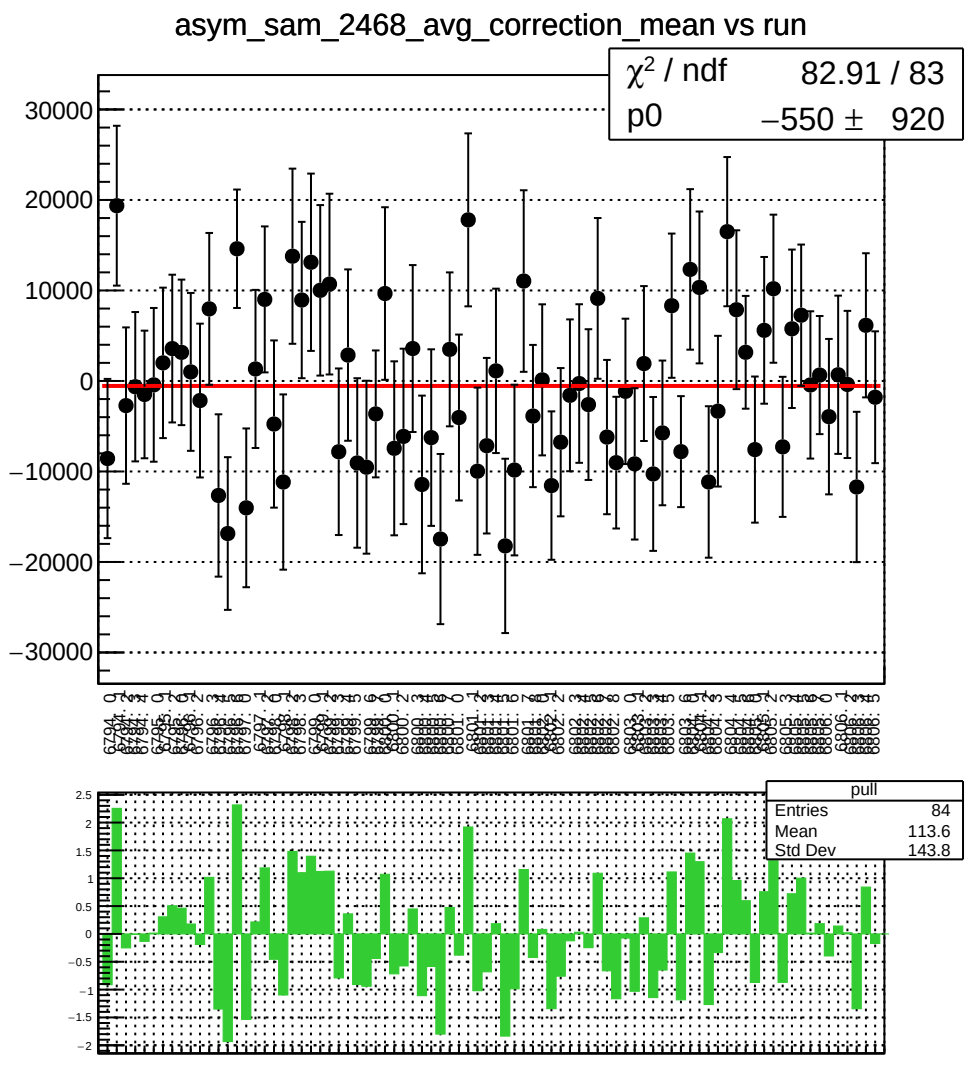

pull1D
Entries 84
Mean 0.01075
Std Dev 0.967
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

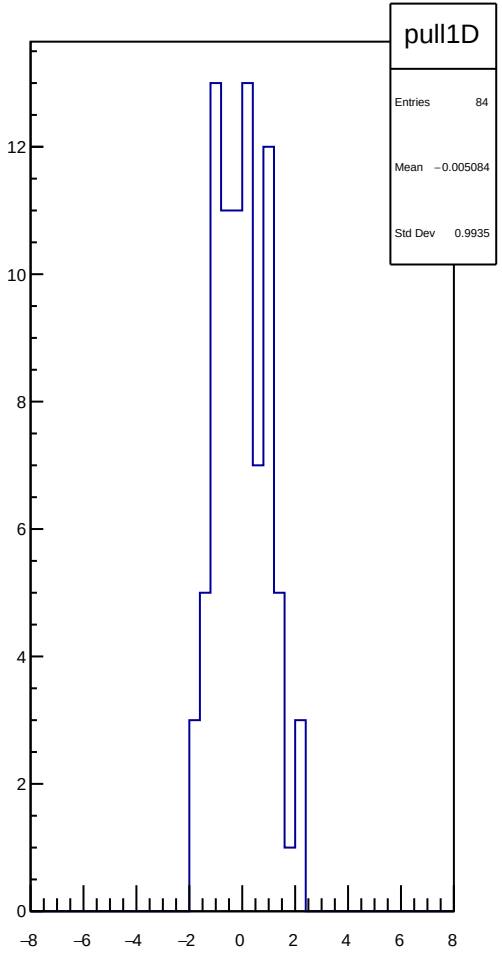

asym_sam_1357_avg_rms vs run
χ² / ndf 9332 / 83
p0 411.6 ± 0.3239
500
480
460
440
420
400
380
360
340

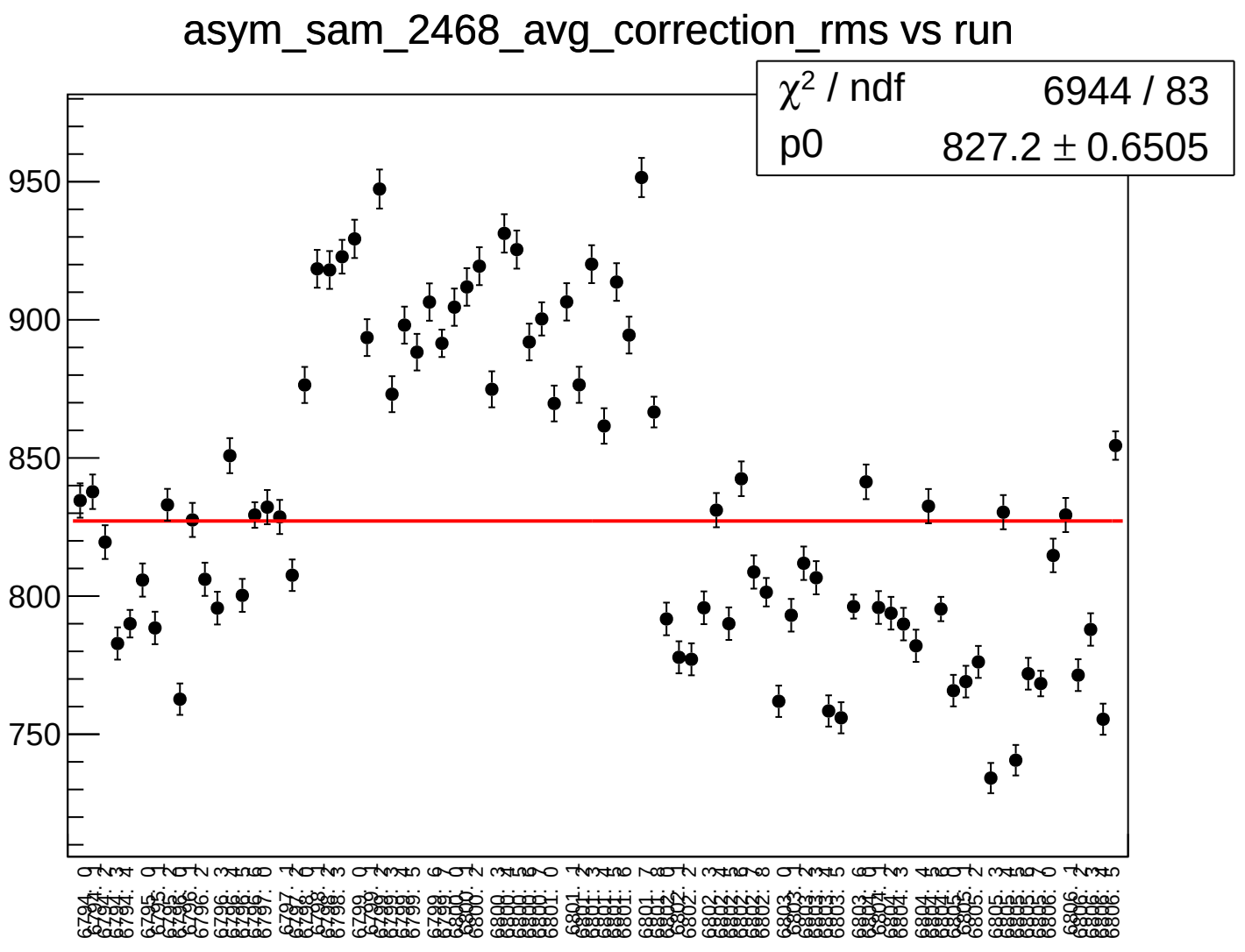

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 76.02 / 83
p0 −245.3 ± 109.3
4000
2000
0
−2000
−4000
−6000
pull
Entries 84
Mean 890.2
Std Dev 842.7
2
1
0
−1
−2
−3

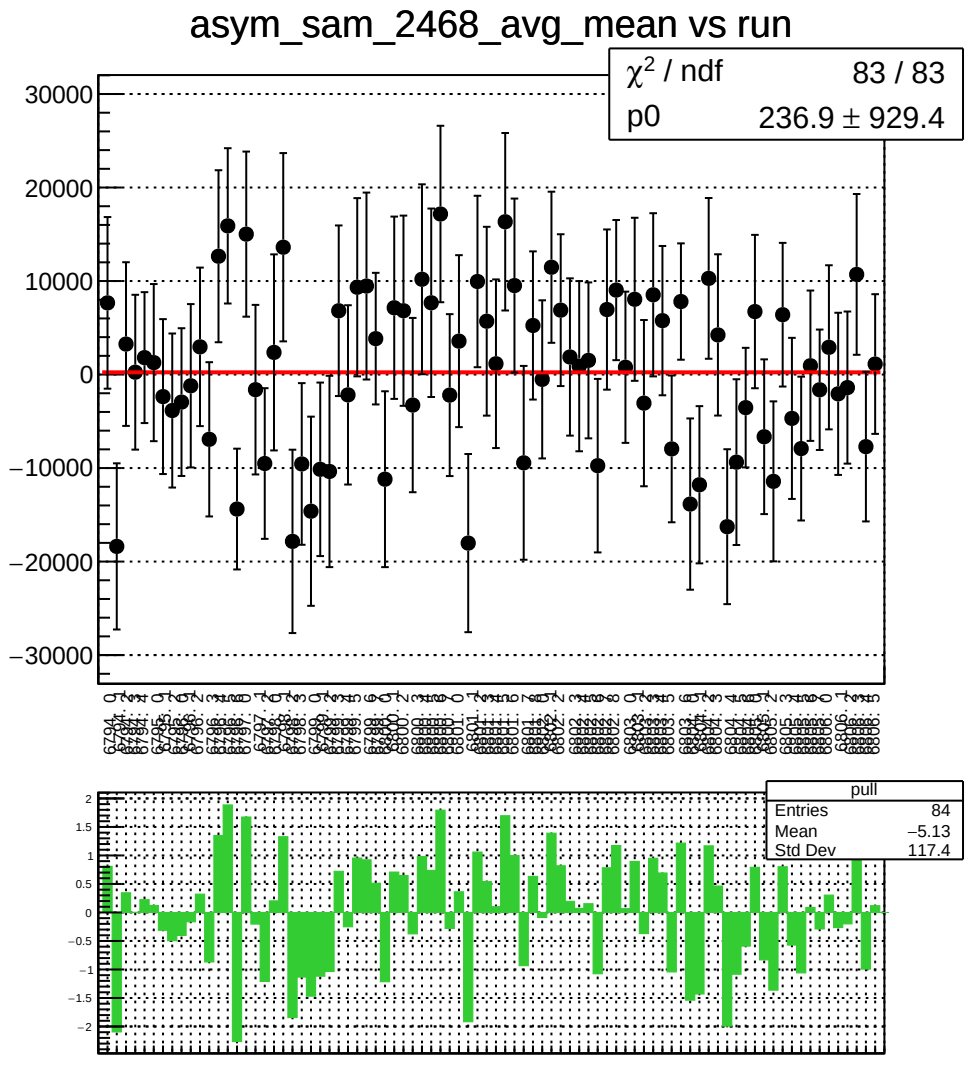

pull1D
Entries 84
Mean −0.008252
Std Dev 0.9513
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

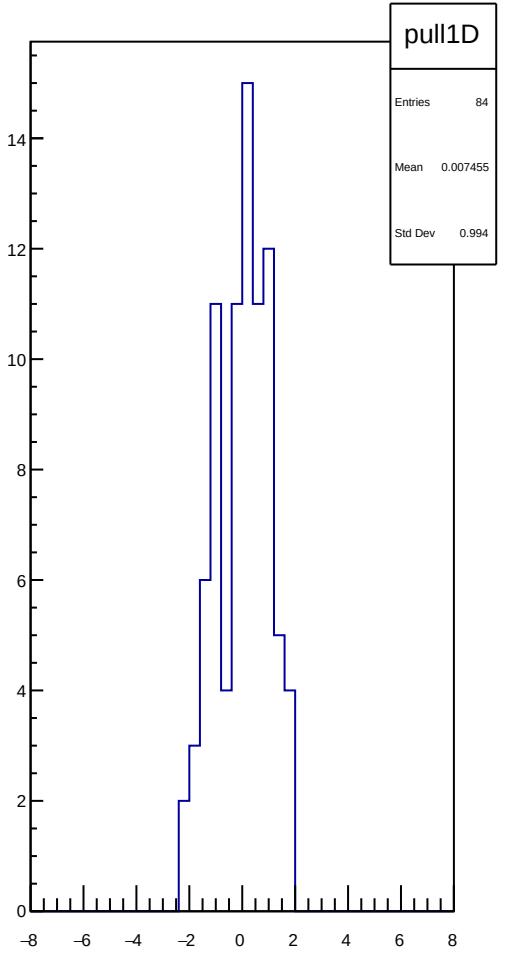

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 1.762e+04 / 83
p0 97.92 ± 0.07726
240
220
200
180
160
140
120
100
80

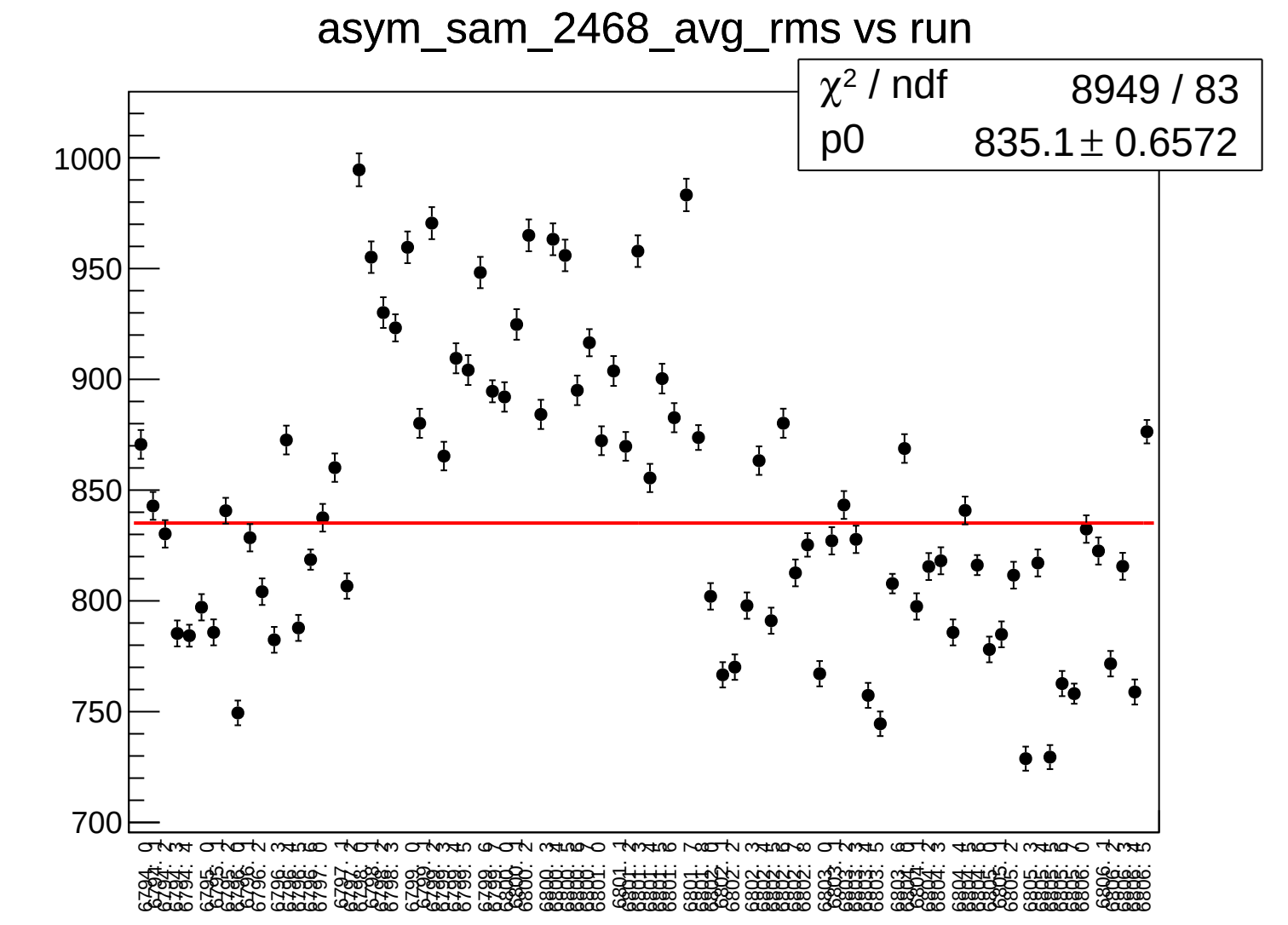

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 82.91 / 83
p0 −550 ± 920
pull
Entries 84
Mean 113.6
Std Dev 143.8

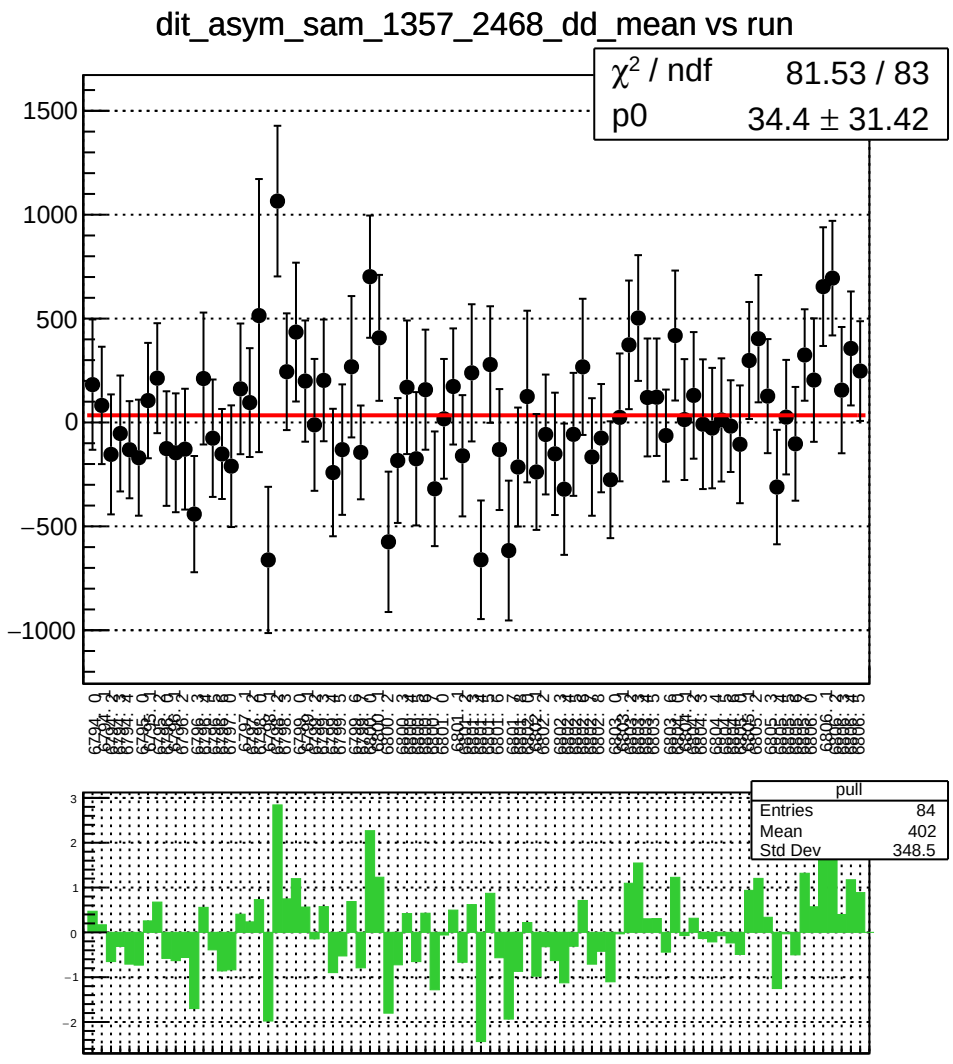

pull1D
Entries 84
Mean −0.005084
Std Dev 0.9935

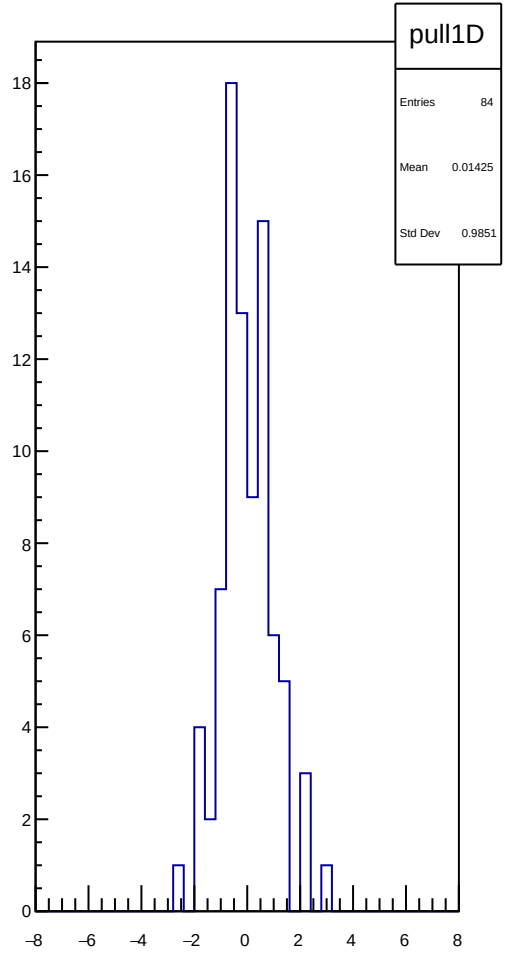

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 6944 / 83
p0 827.2 ± 0.6505
950
900
850
800
750

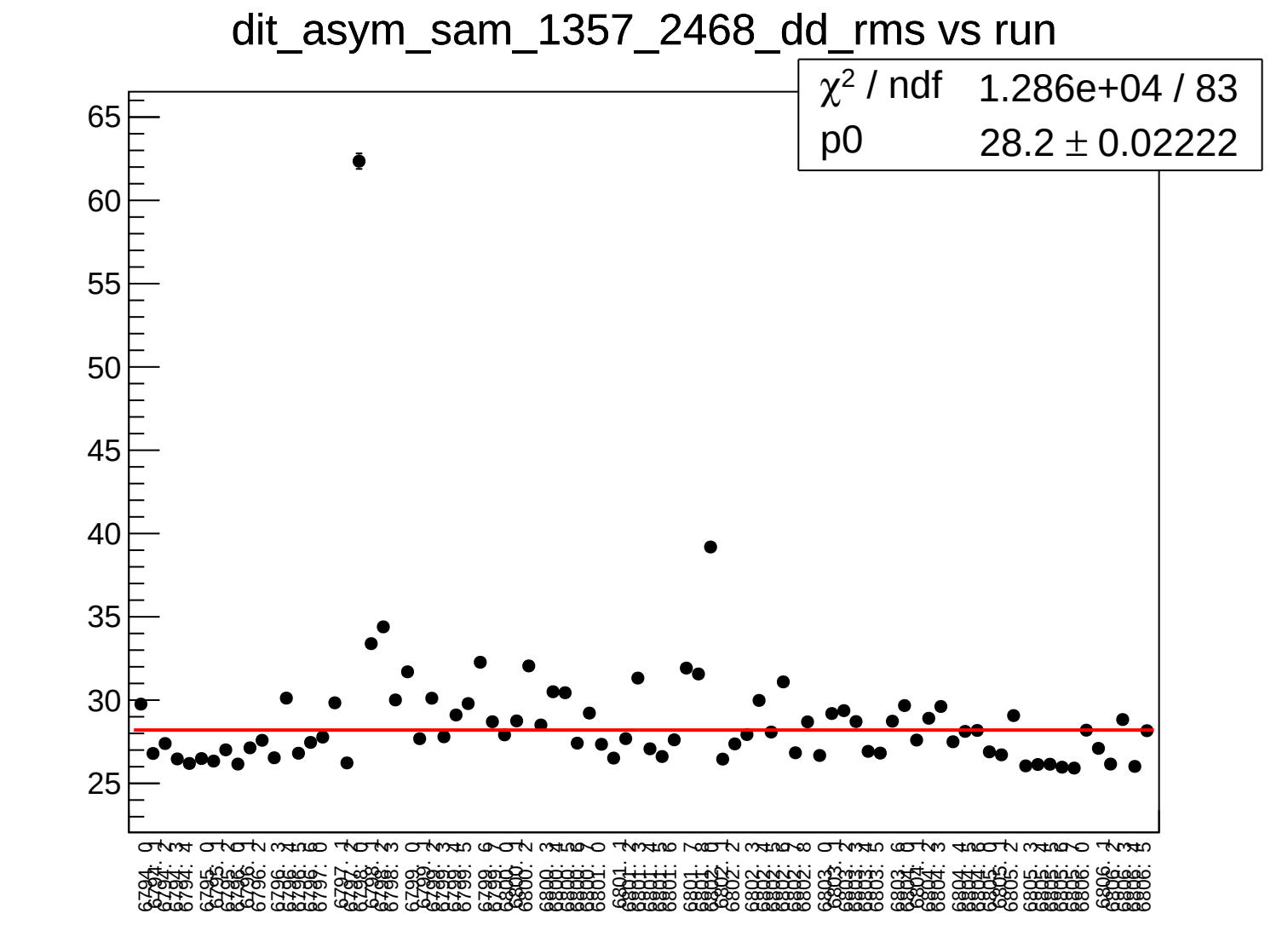

asym_sam_2468_avg_mean vs run
χ² / ndf 83 / 83
p0 236.9 ± 929.4
pull
Entries 84
Mean −5.13
Std Dev 117.4

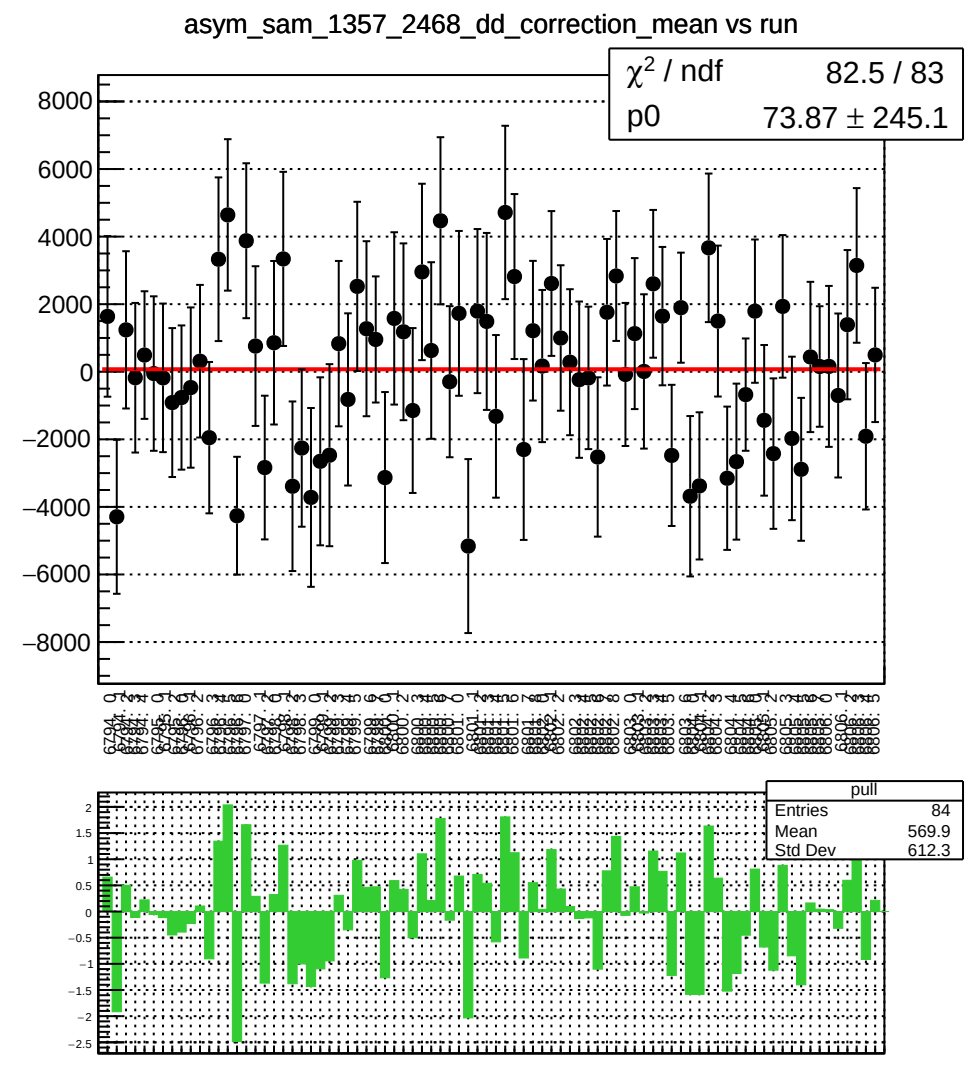

pull1D
Entries 84
Mean 0.007455
Std Dev 0.994

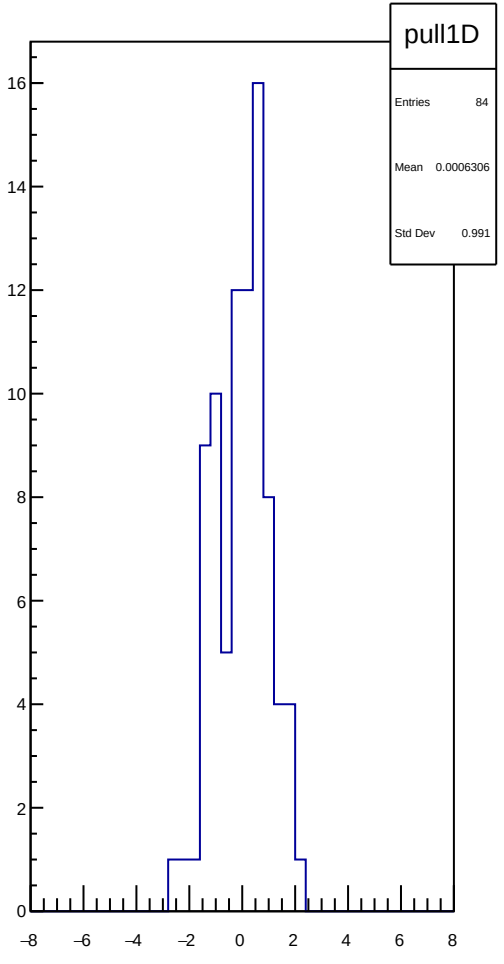

asym_sam_2468_avg_rms vs run
χ² / ndf 8949 / 83
p0 835.1 ± 0.6572
1000
950
900
850
800
750
700

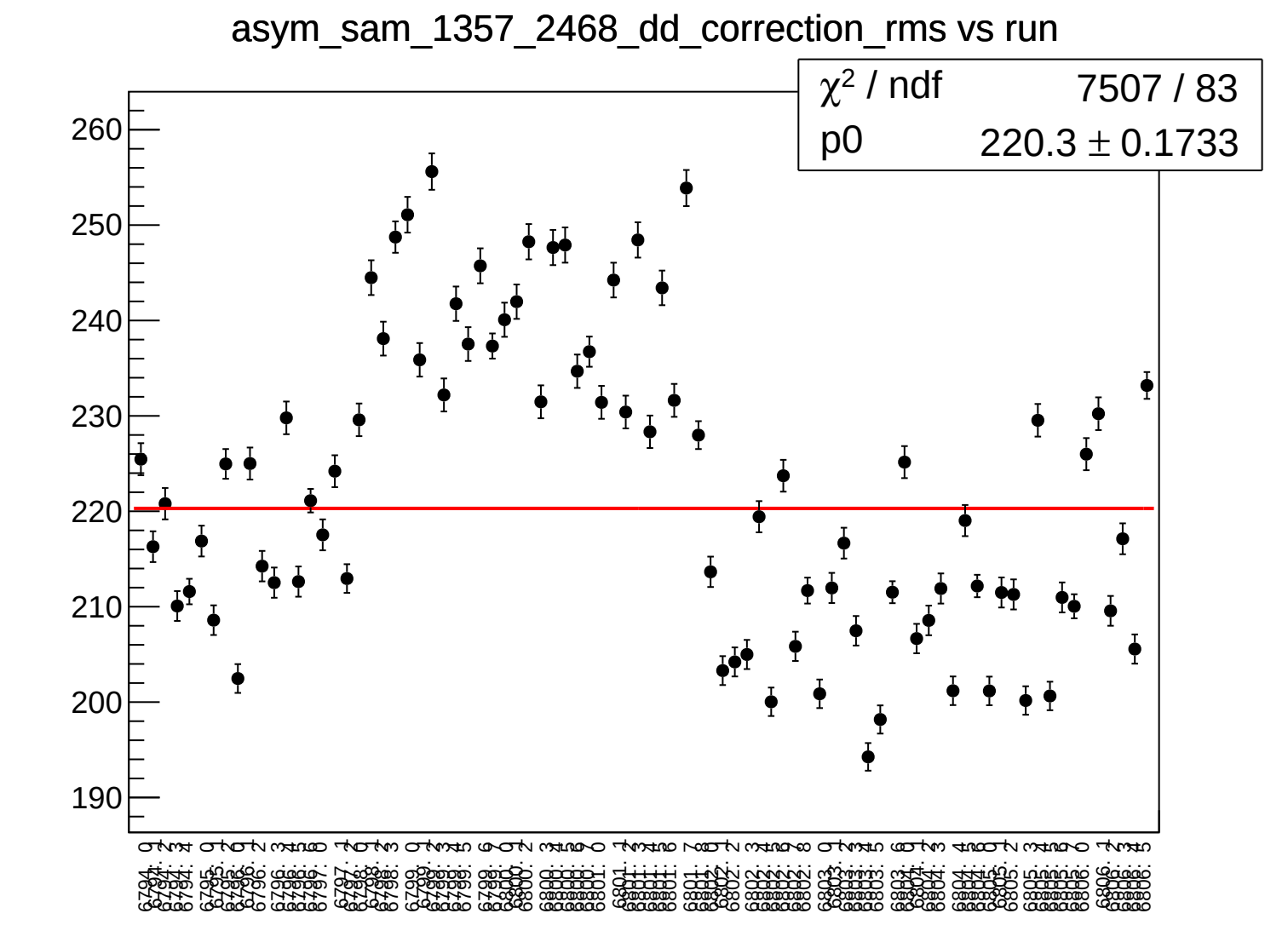

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 81.53 / 83
p0 34.4 ± 31.42
1500
1000
500
0
−500
−1000
pull
Entries 84
Mean 402
Std Dev 348.5
3
2
1
0
−1
−2

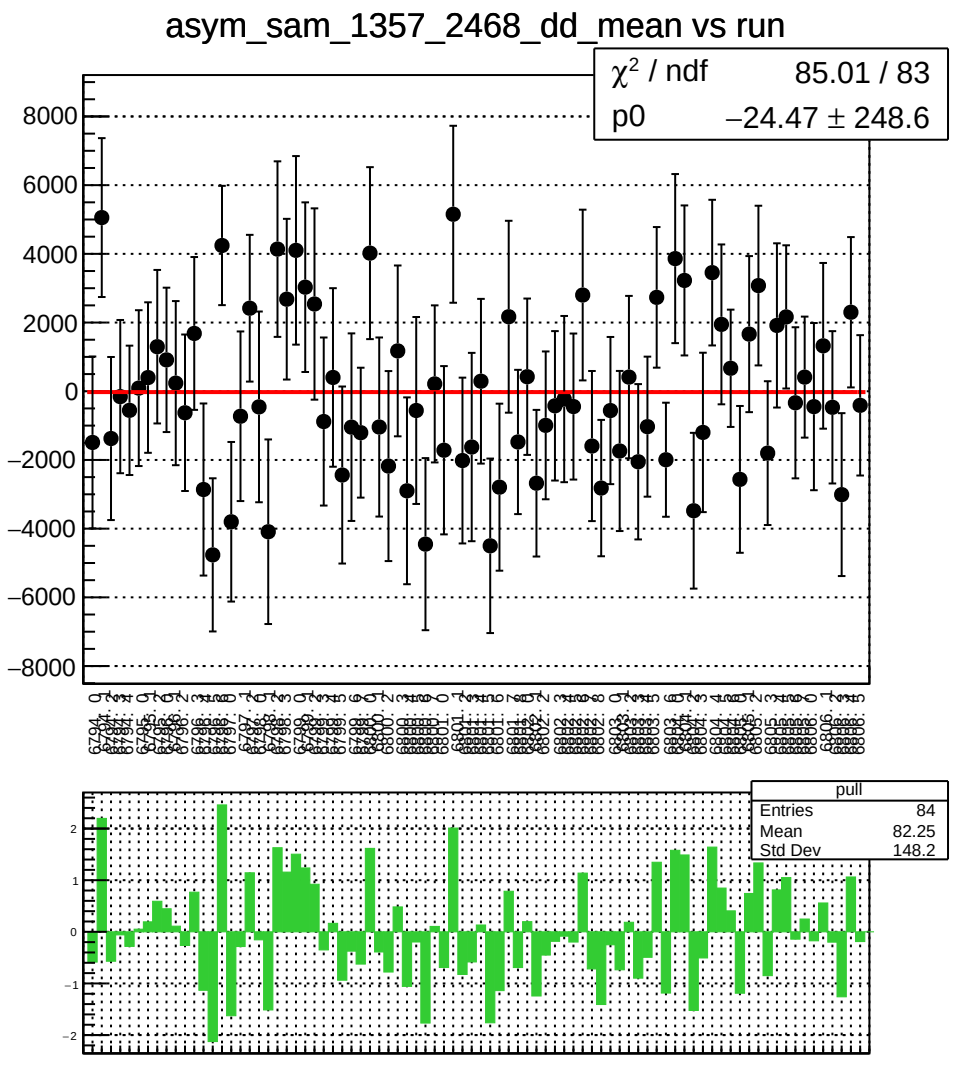

pull1D
Entries 84
Mean 0.01425
Std Dev 0.9851
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

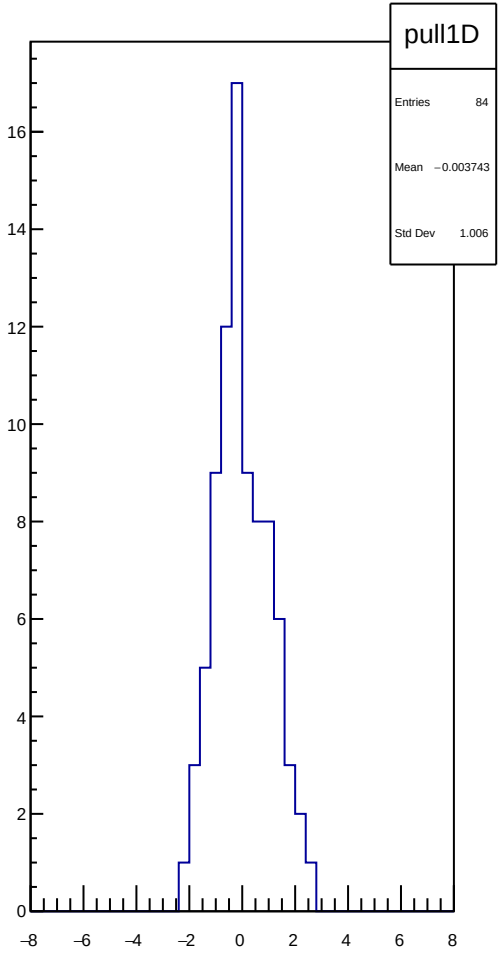

dit_asym_sam_1357_2468_dd_rms vs run
χ^2 / ndf 1.286e+04 / 83
p0 28.2 ± 0.02222
65
60
55
50
45
40
35
30
25

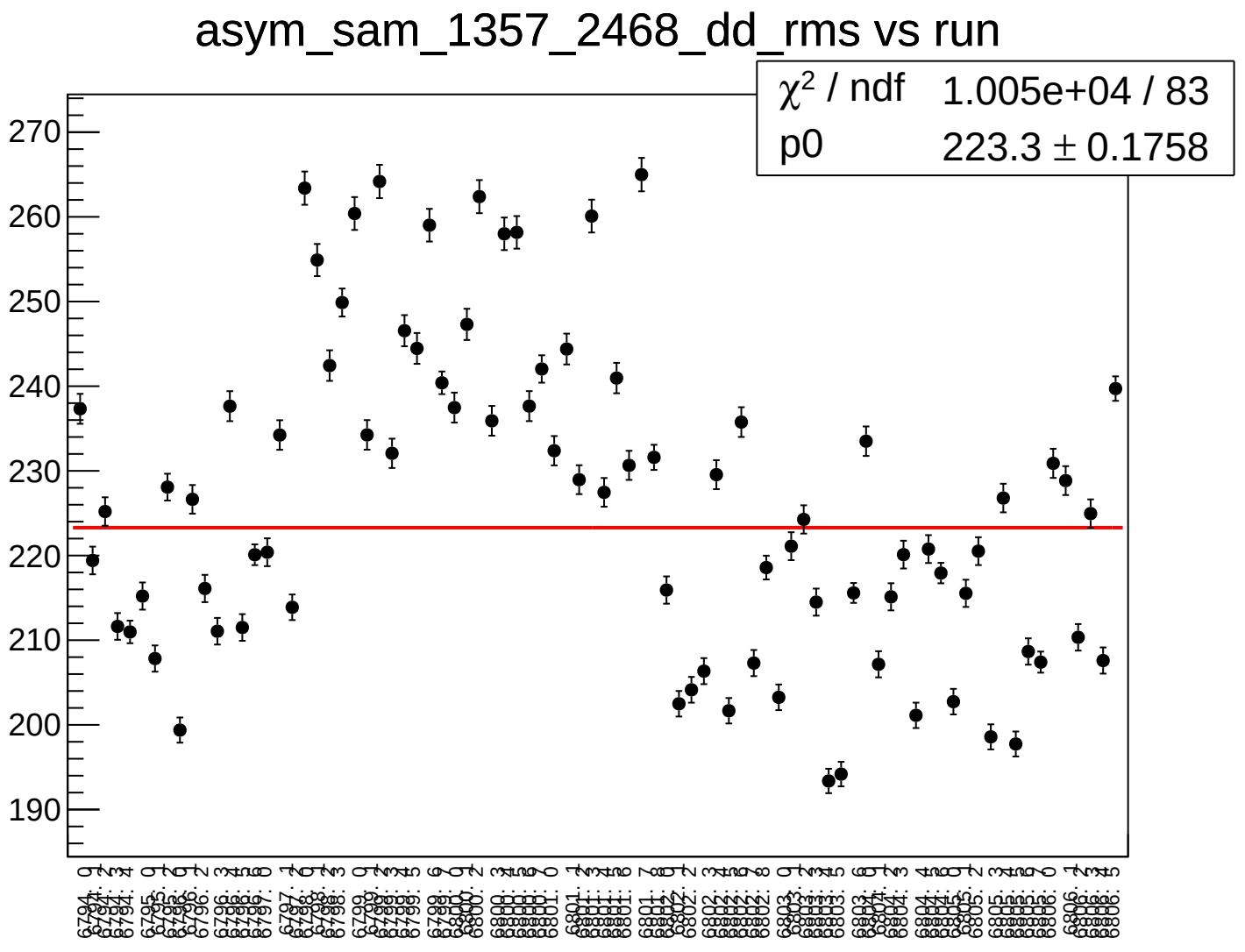

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 82.5 / 83
p0 73.87 ± 245.1
pull
Entries 84
Mean 569.9
Std Dev 612.3

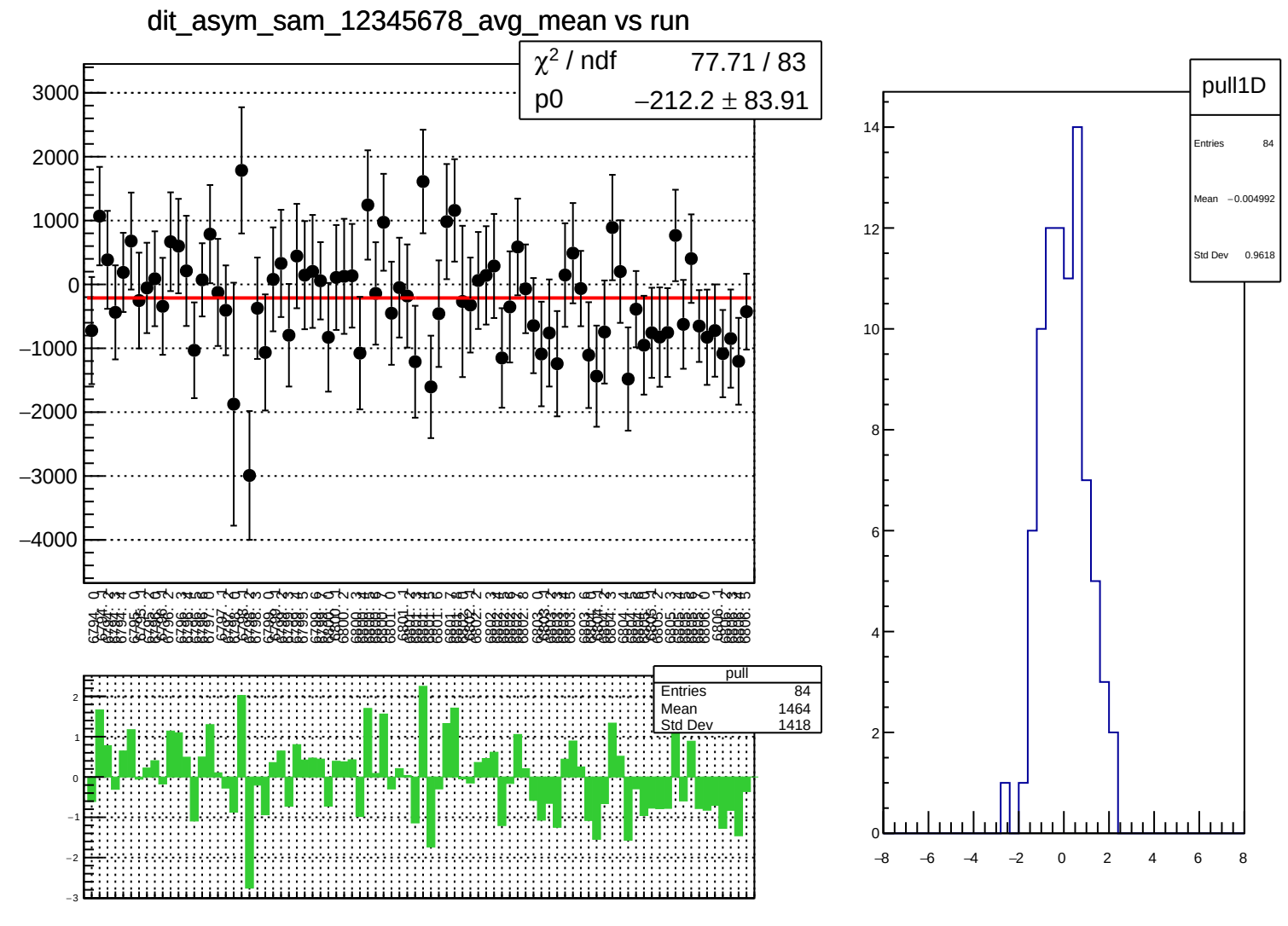

pull1D
Entries 84
Mean 0.0006306
Std Dev 0.991

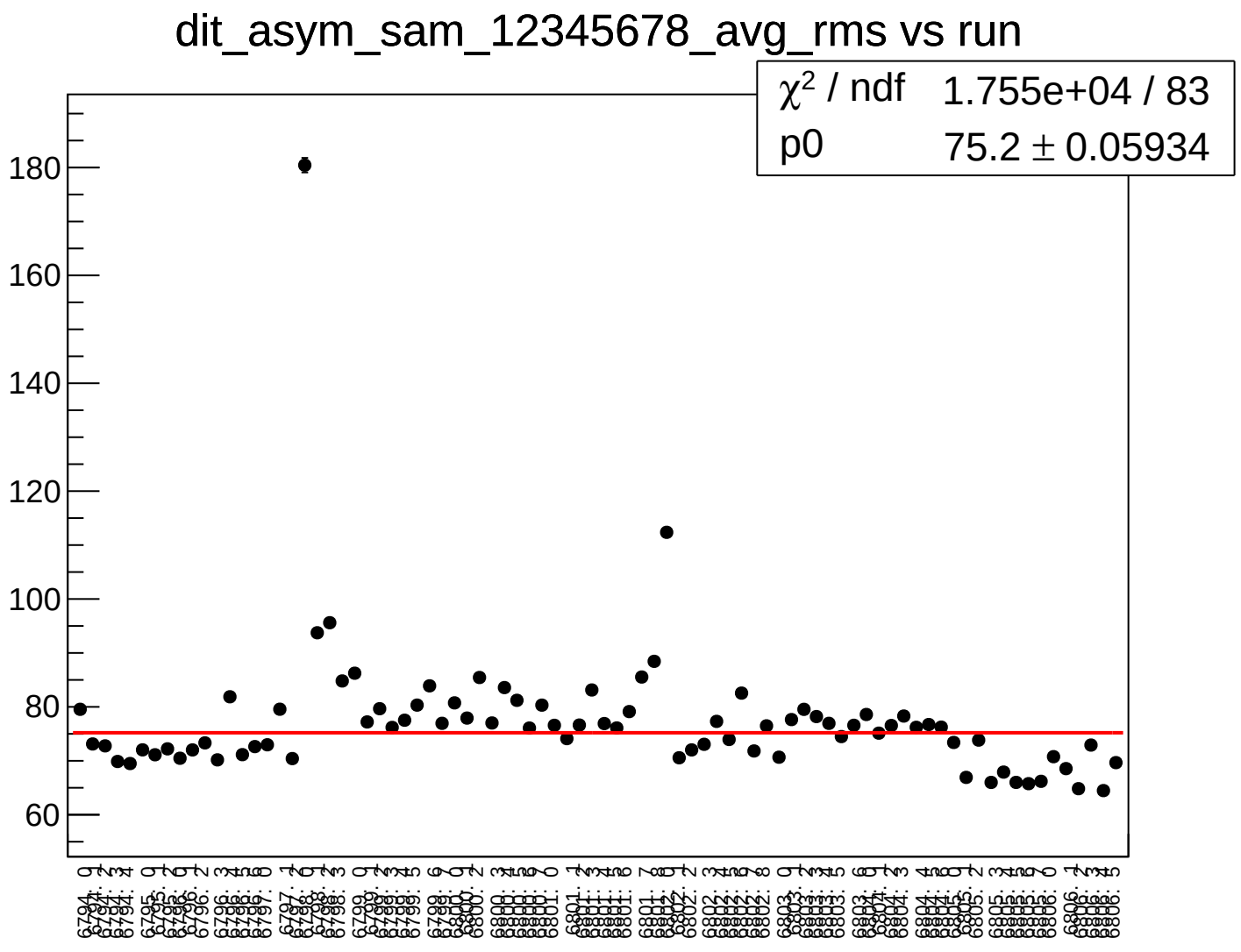

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 7507 / 83
p0 220.3 ± 0.1733
260
250
240
230
220
210
200
190

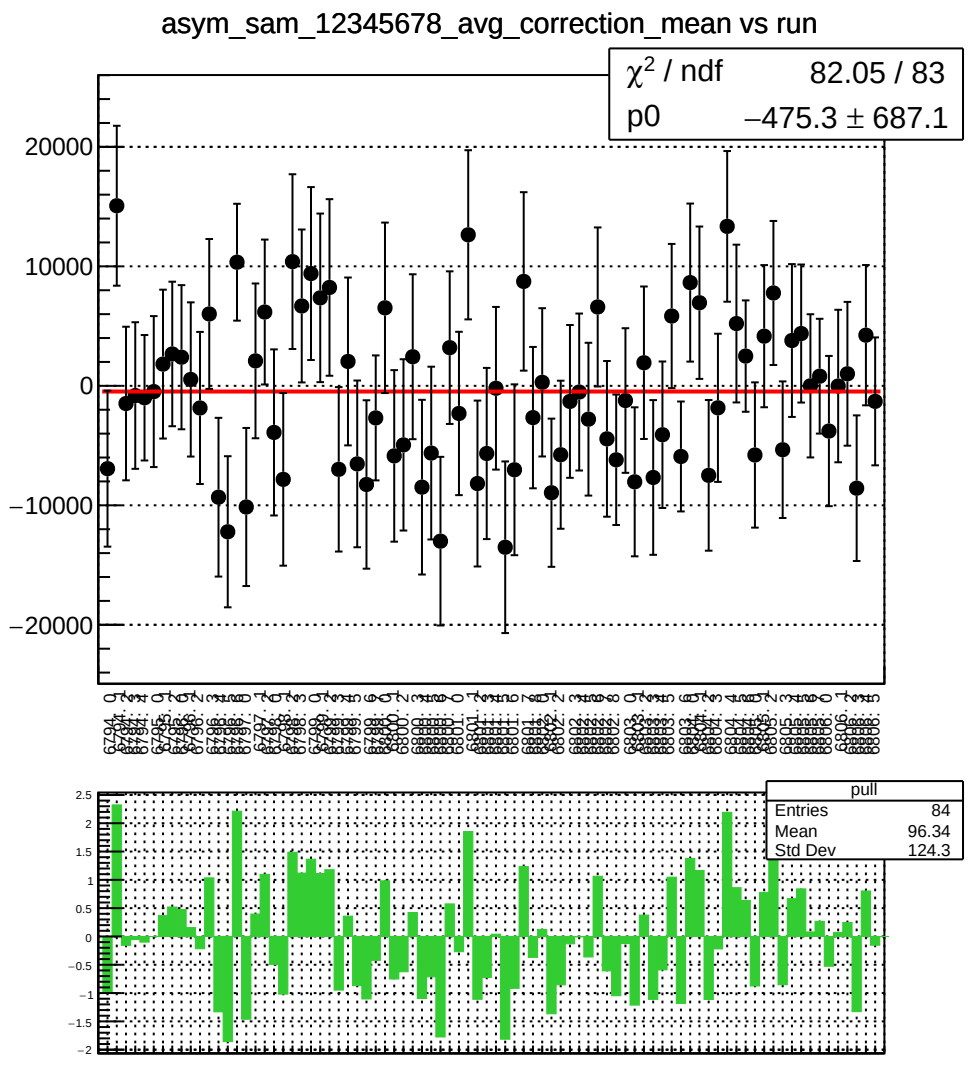

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 85.01 / 83
p0 −24.47 ± 248.6
pull
Entries 84
Mean 82.25
Std Dev 148.2

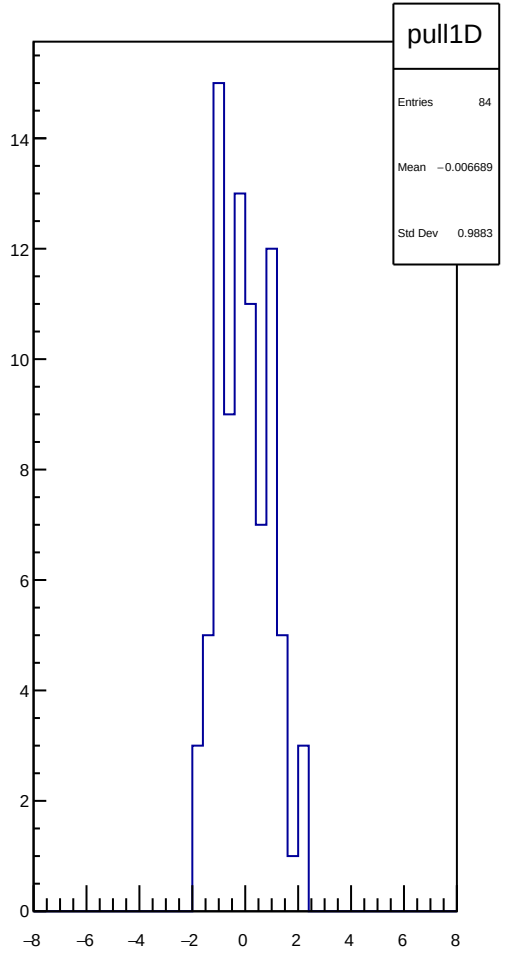

pull1D
Entries 84
Mean −0.003743
Std Dev 1.006

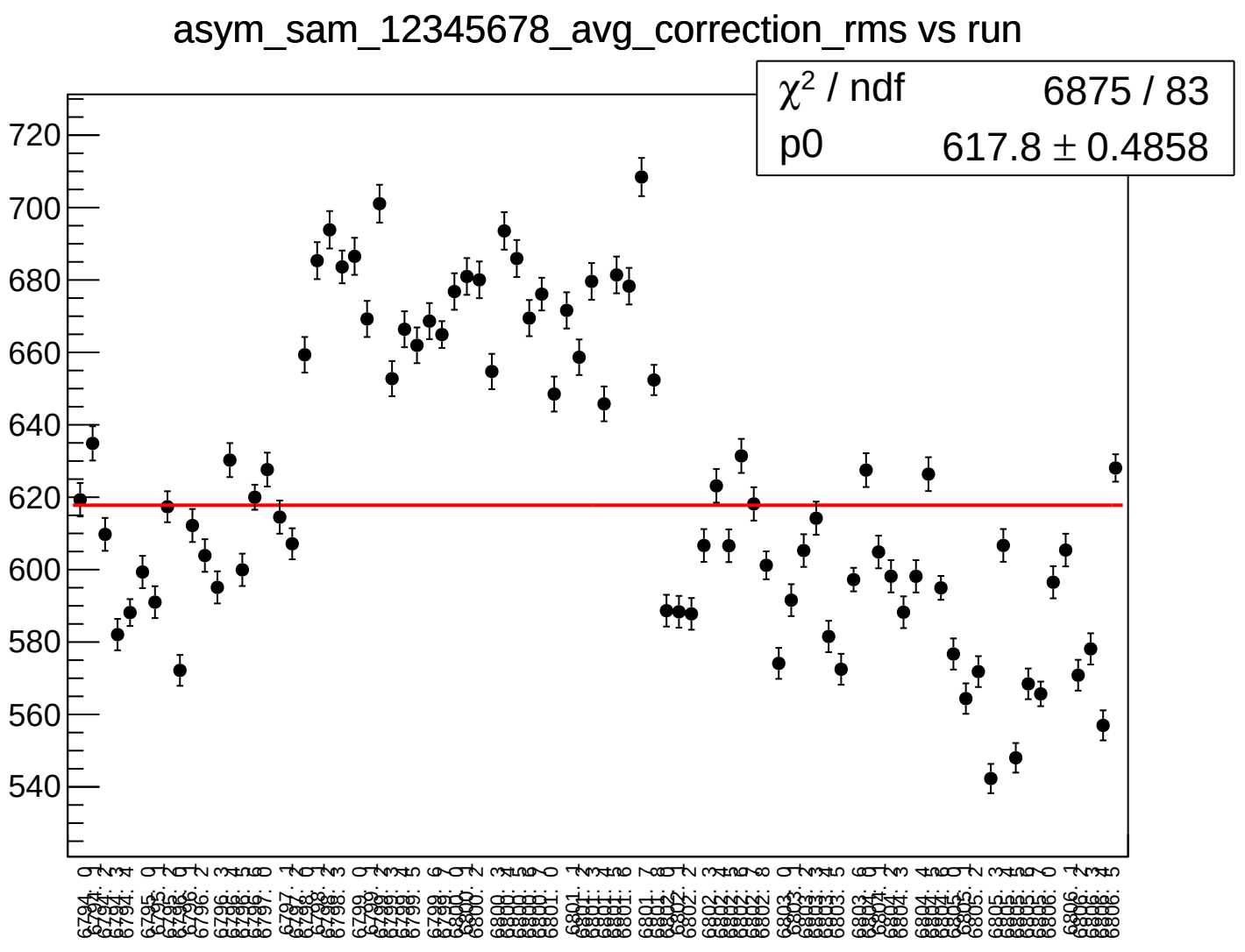

asym_sam_1357_2468_dd_rms vs run
χ^2 / ndf 1.005e+04 / 83
p0 223.3 ± 0.1758
270
260
250
240
230
220
210
200
190

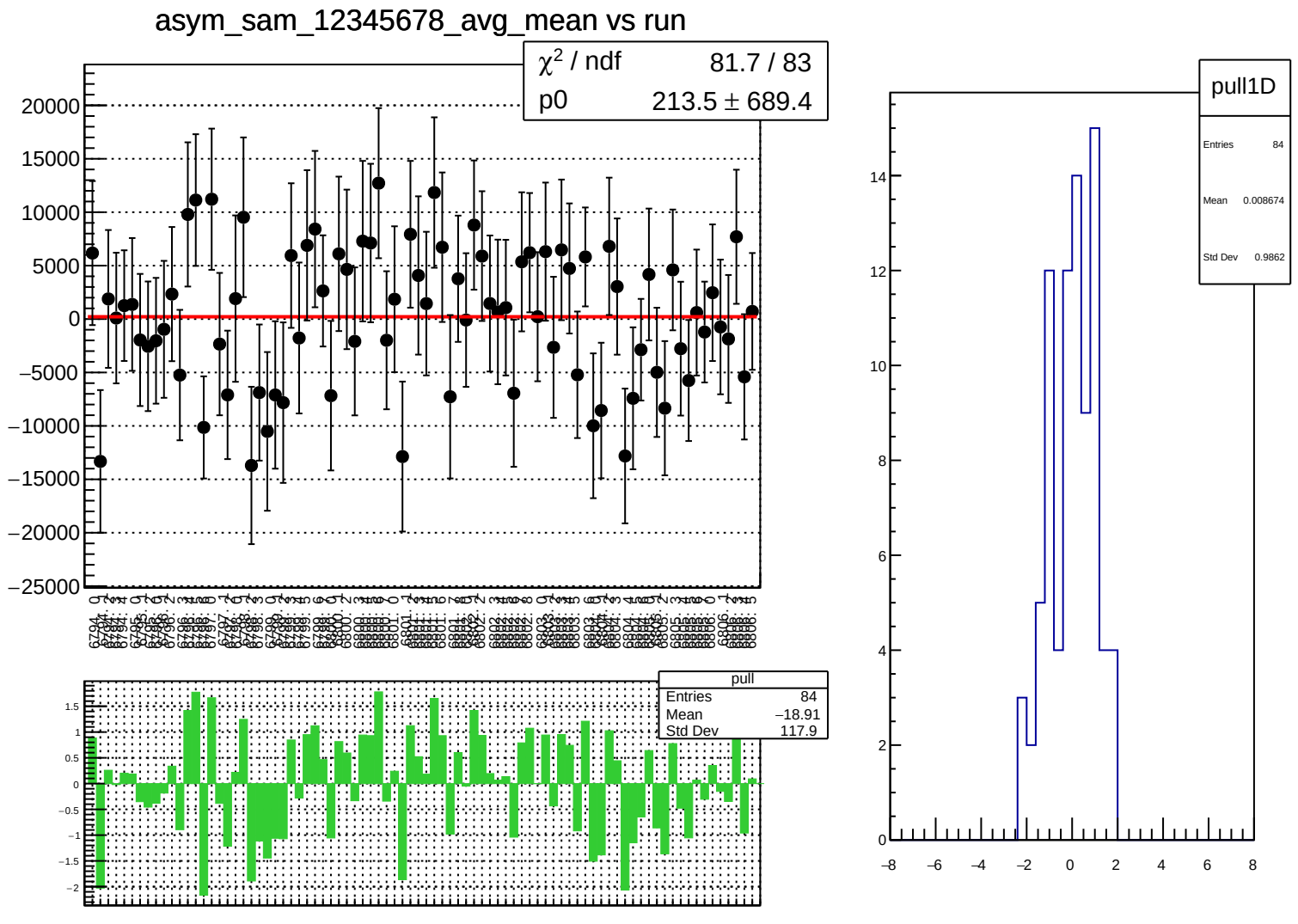

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 77.71 / 83
p0 −212.2 ± 83.91
pull
Entries 84
Mean 1464
Std Dev 1418
pull1D
Entries 84
Mean −0.004992
Std Dev 0.9618

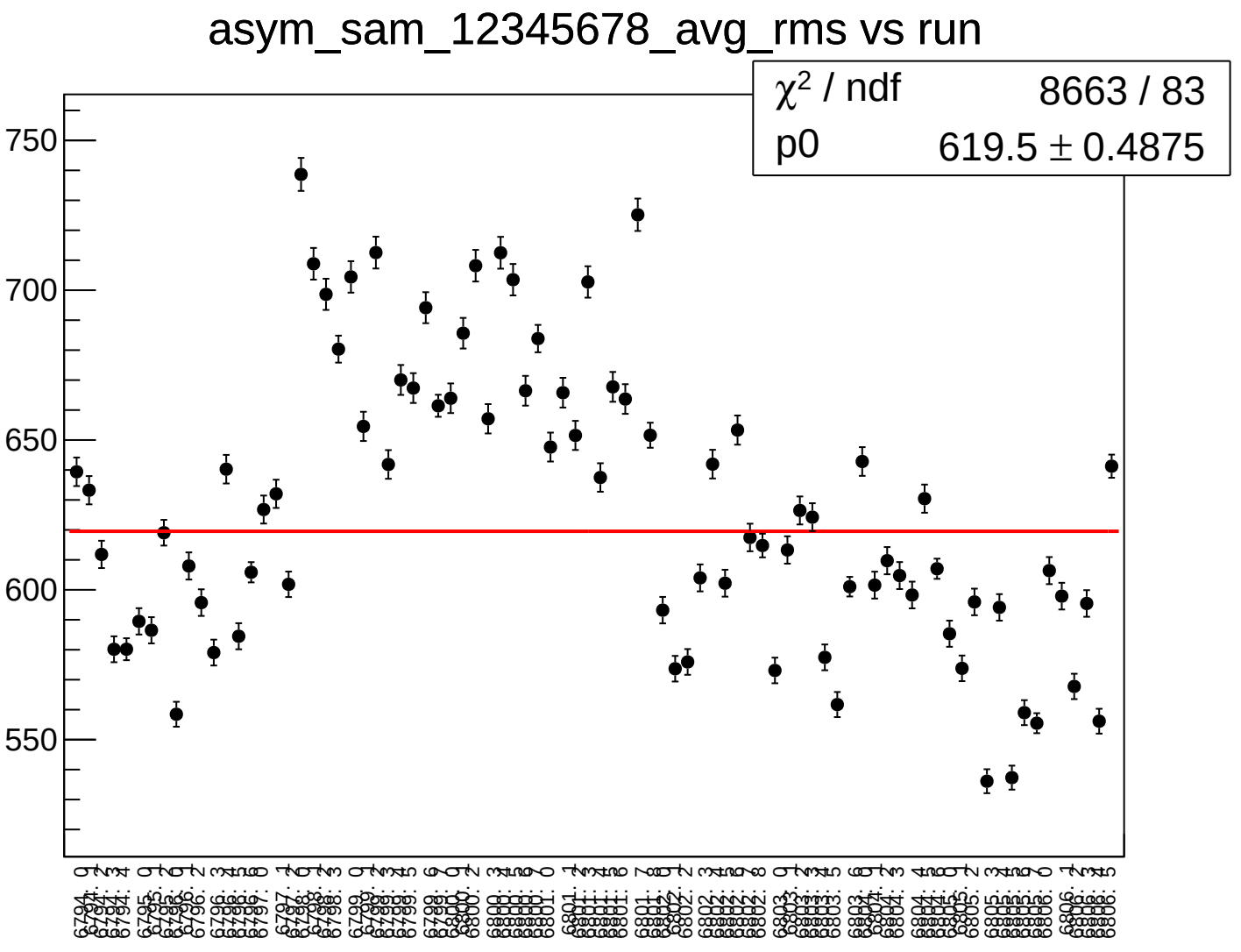

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 1.755e+04 / 83
p0 75.2 ± 0.05934
180
160
140
120
100
80
60

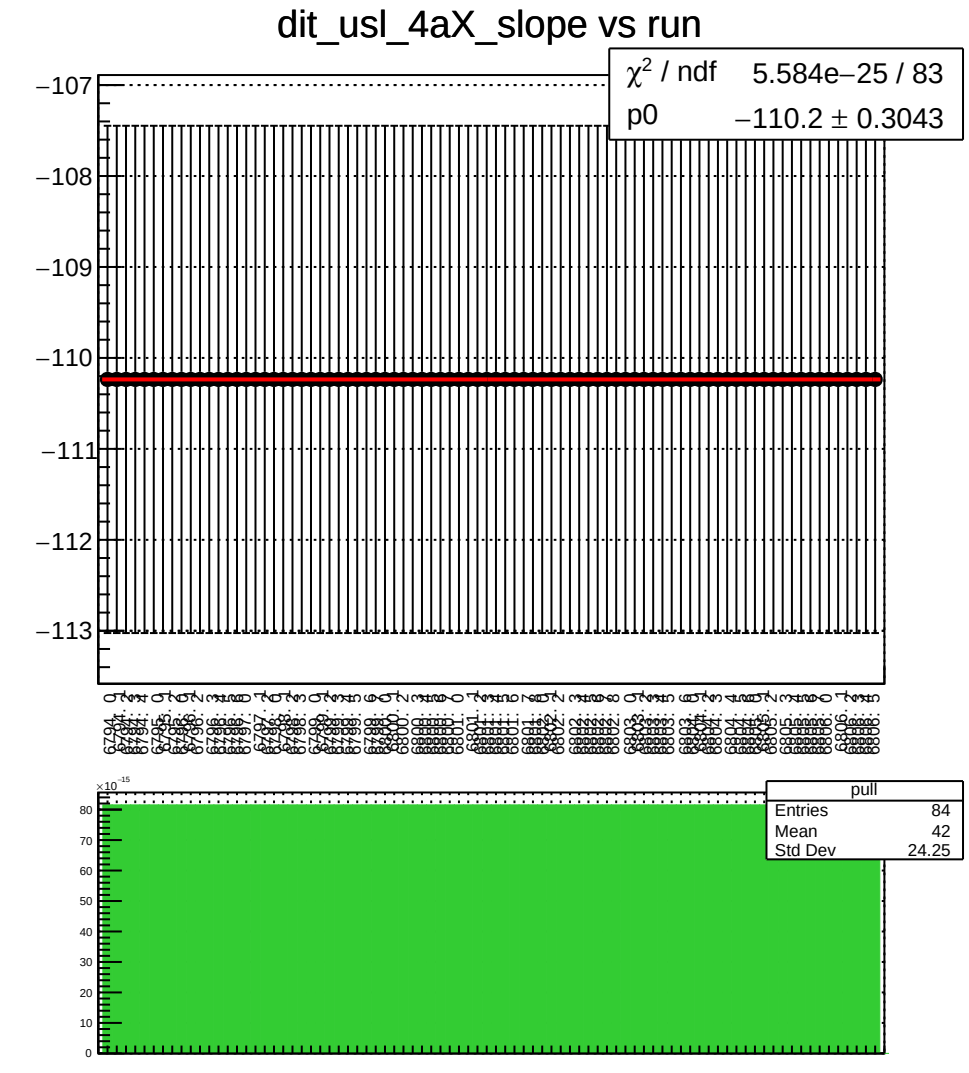

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 82.05 / 83
p0 −475.3 ± 687.1
20000
10000
0
−10000
−20000
pull
Entries 84
Mean 96.34
Std Dev 124.3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

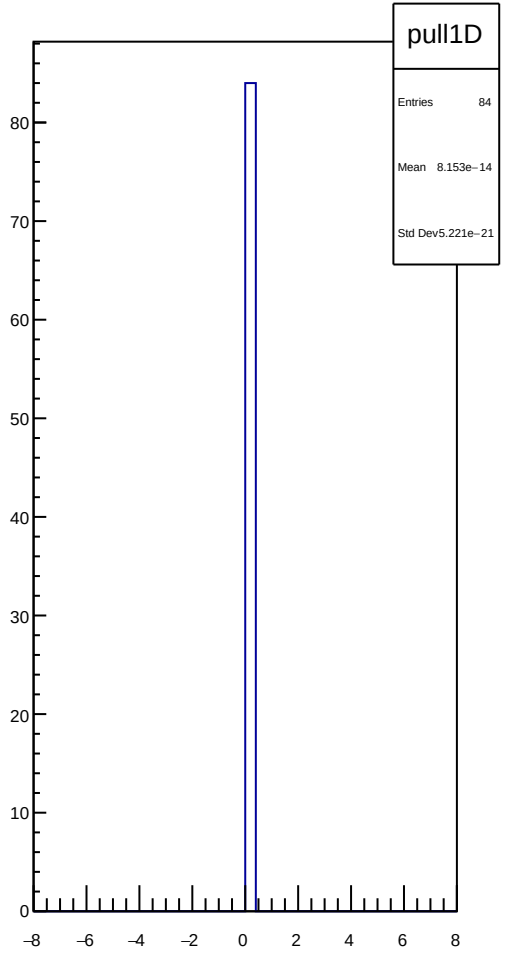

pull1D
Entries 84
Mean −0.006689
Std Dev 0.9883
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

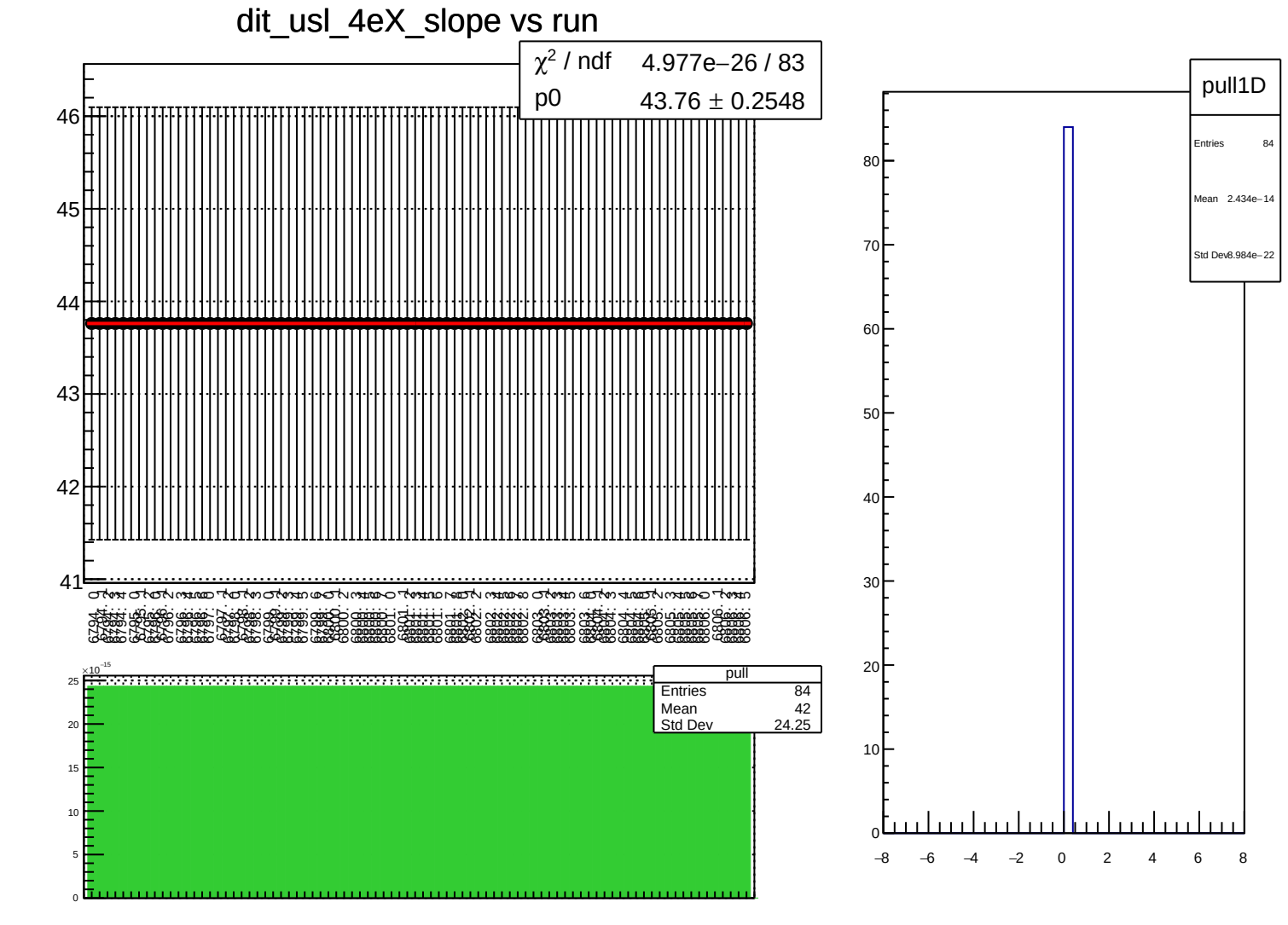

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 6875 / 83
p0 617.8 ± 0.4858
720
700
680
660
640
620
600
580
560
540

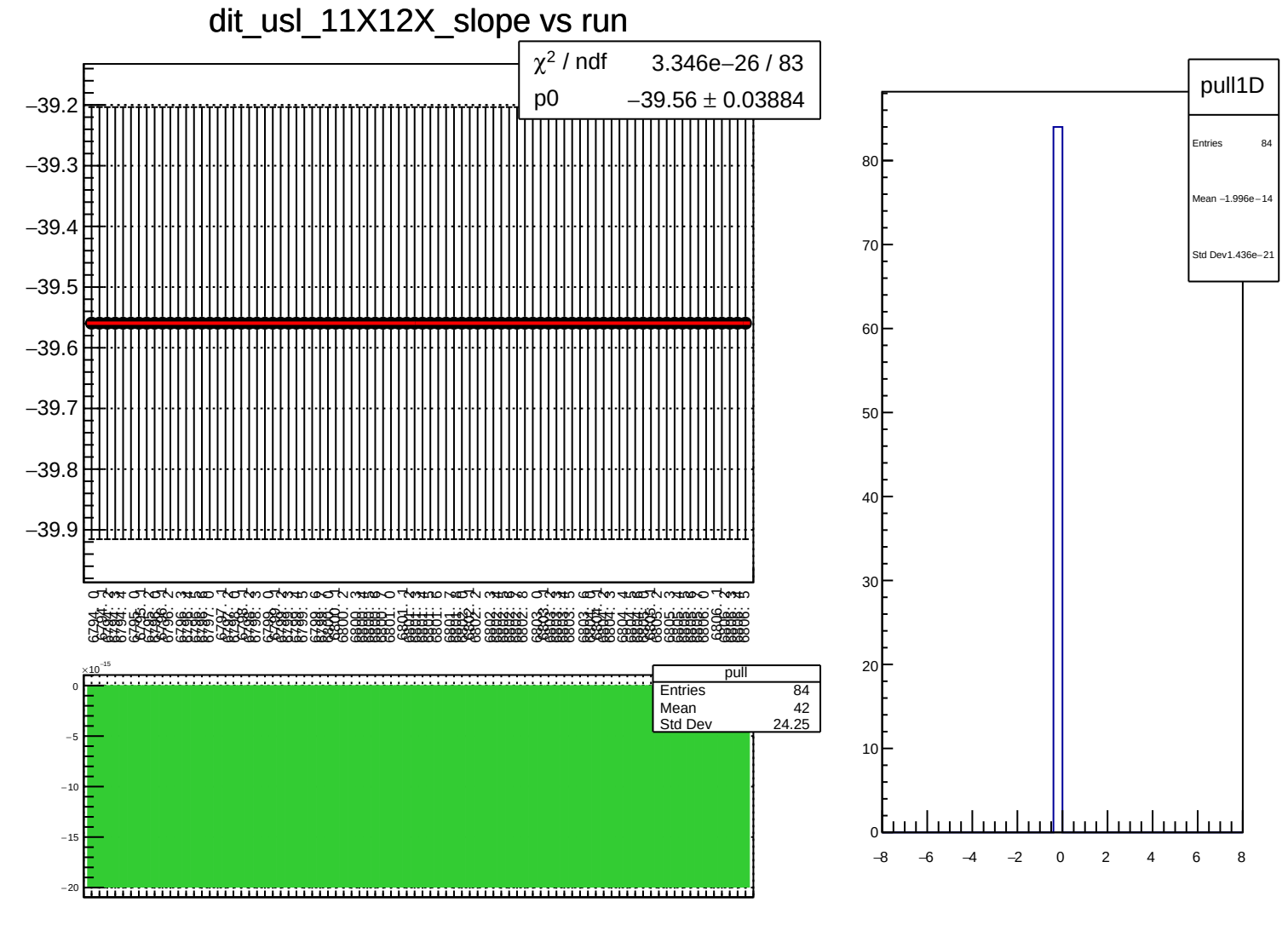

asym_sam_12345678_avg_mean vs run
χ² / ndf 81.7 / 83
p0 213.5 ± 689.4
pull
Entries 84
Mean −18.91
Std Dev 117.9
pull1D
Entries 84
Mean 0.008674
Std Dev 0.9862

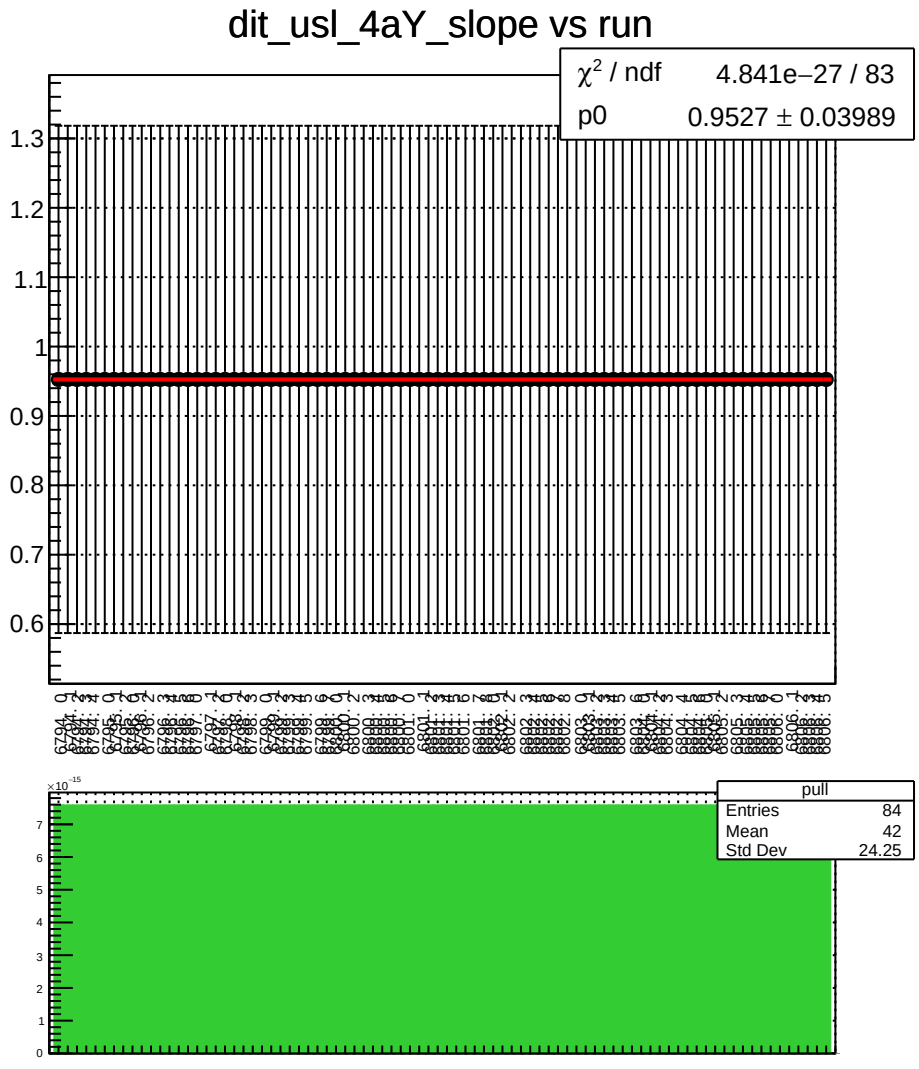

asym_sam_12345678_avg_rms vs run
χ² / ndf 8663 / 83
p0 619.5 ± 0.4875
750
700
650
600
550

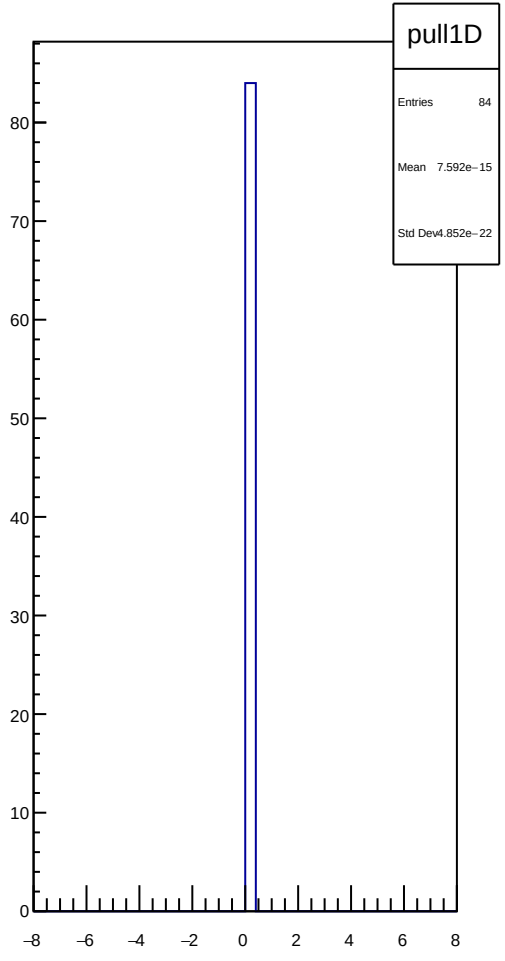

dit_usl_4aX_slope vs run
χ² / ndf 5.584e−25 / 83
p0 −110.2 ± 0.3043
−107
−108
−109
−110
−111
−112
−113
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
80
70
60
50
40
30
20
10
0

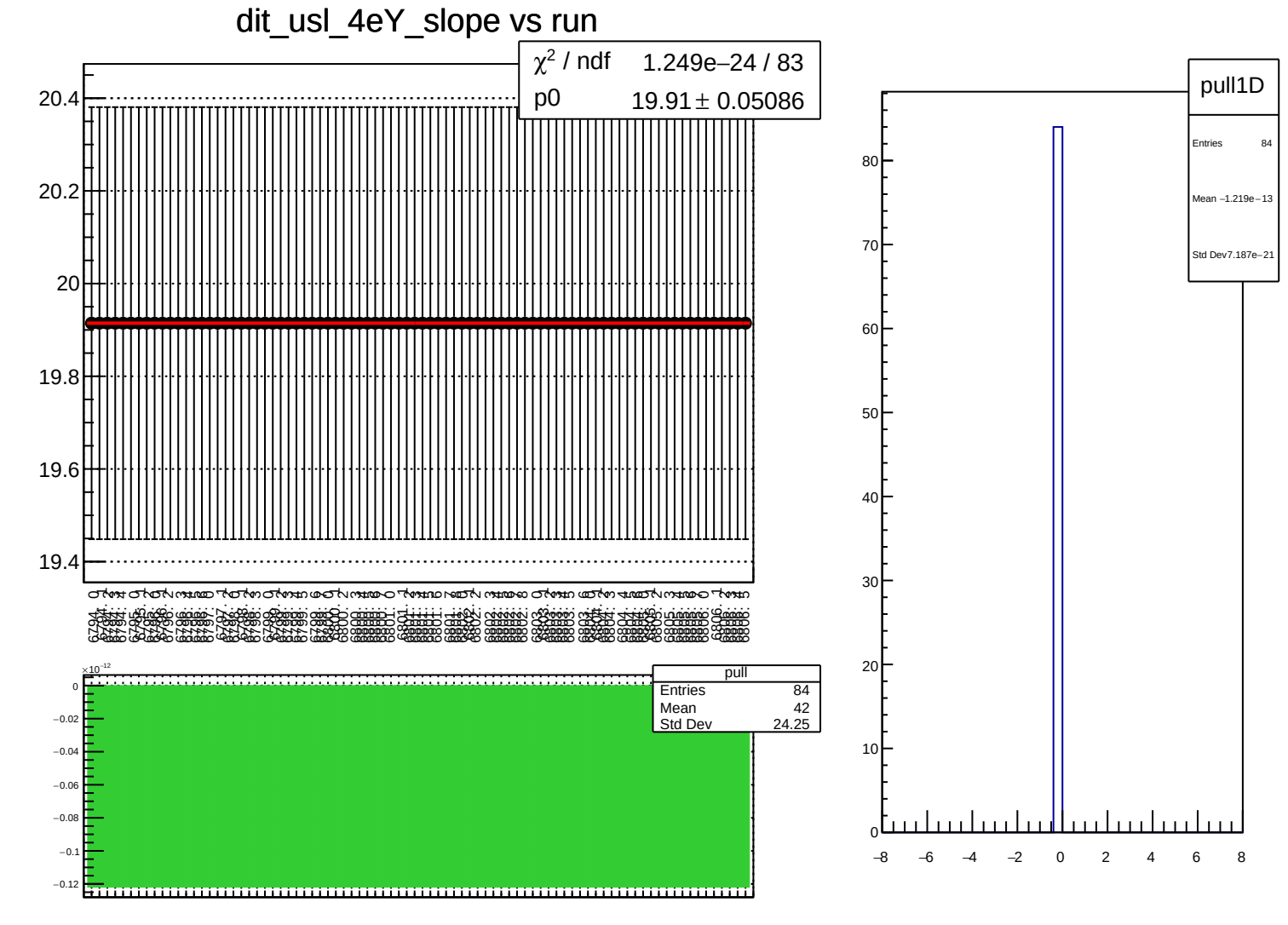

pull1D
Entries 84
Mean 8.153e−14
Std Dev5.221e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

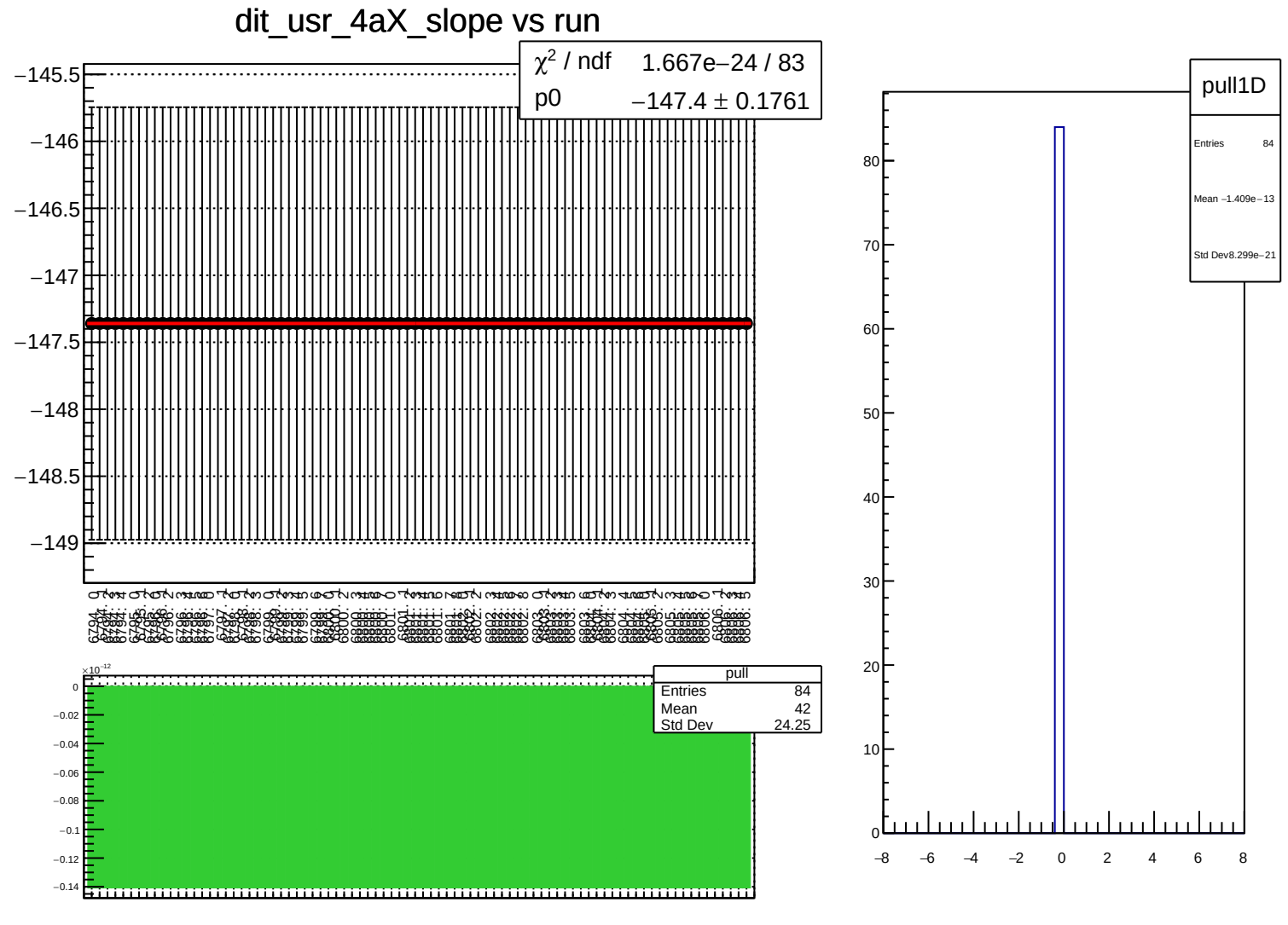

dit_usl_4eX_slope vs run
χ² / ndf 4.977e−26 / 83
p0 43.76 ± 0.2548
pull
Entries 84
Mean 42
Std Dev 24.25
pull1D
Entries 84
Mean 2.434e−14
Std Dev 8.984e−22

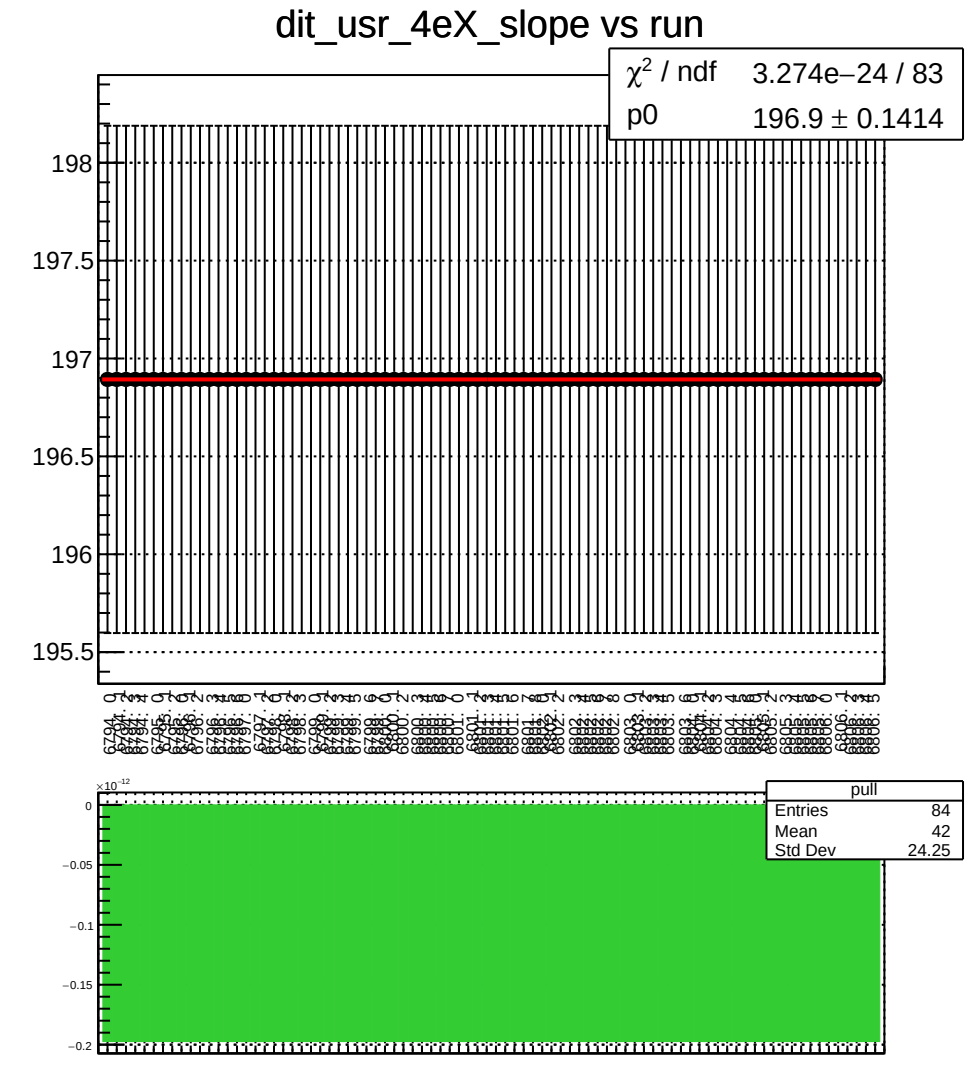

dit_usl_11X12X_slope vs run
χ² / ndf 3.346e−26 / 83
p0 −39.56 ± 0.03884
−39.2
−39.3
−39.4
−39.5
−39.6
−39.7
−39.8
−39.9
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−5
−10
−15
−20
pull1D
Entries 84
Mean −1.996e−14
Std Dev1.436e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

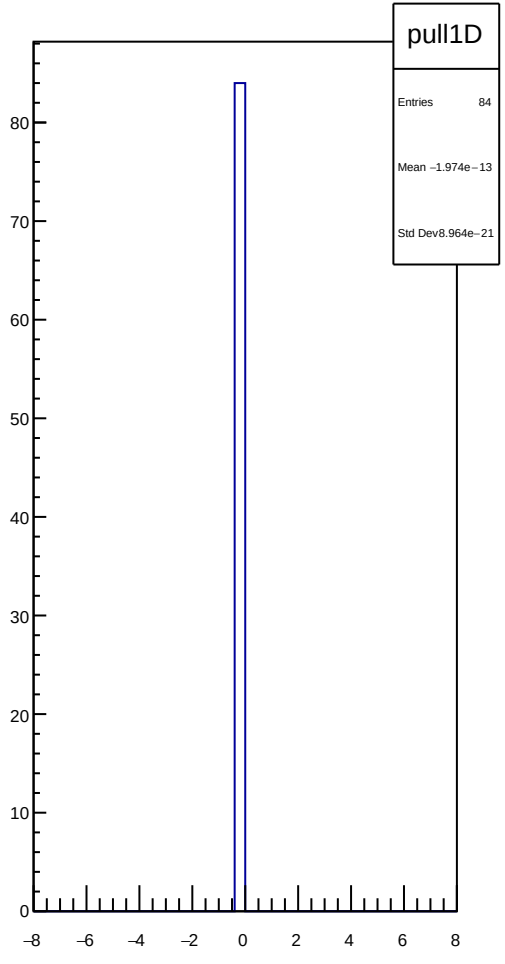

dit_usl_4aY_slope vs run
χ² / ndf 4.841e−27 / 83
p0 0.9527 ± 0.03989
pull
Entries 84
Mean 42
Std Dev 24.25

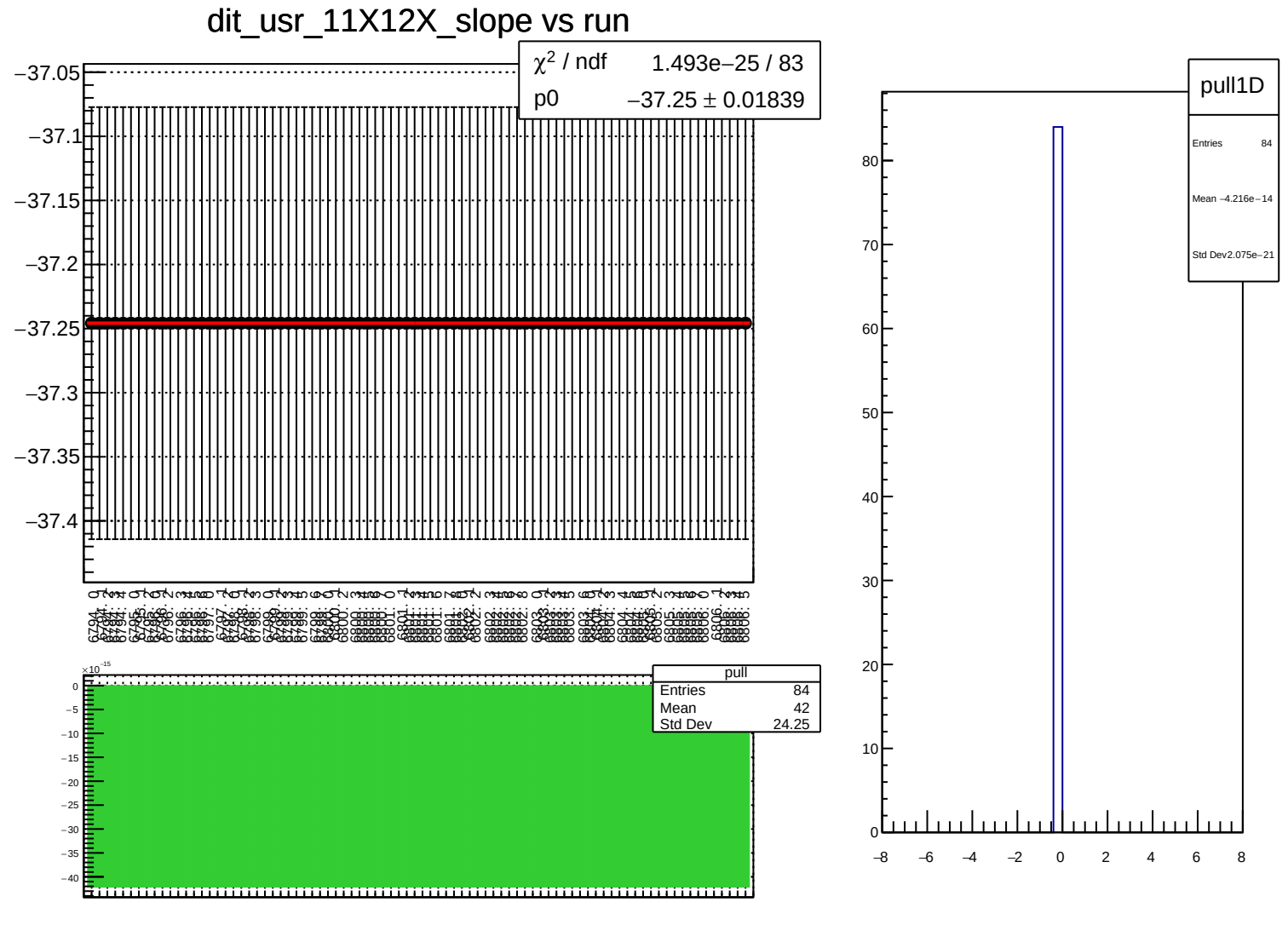

pull1D
Entries 84
Mean 7.592e−15
Std Dev 4.852e−22

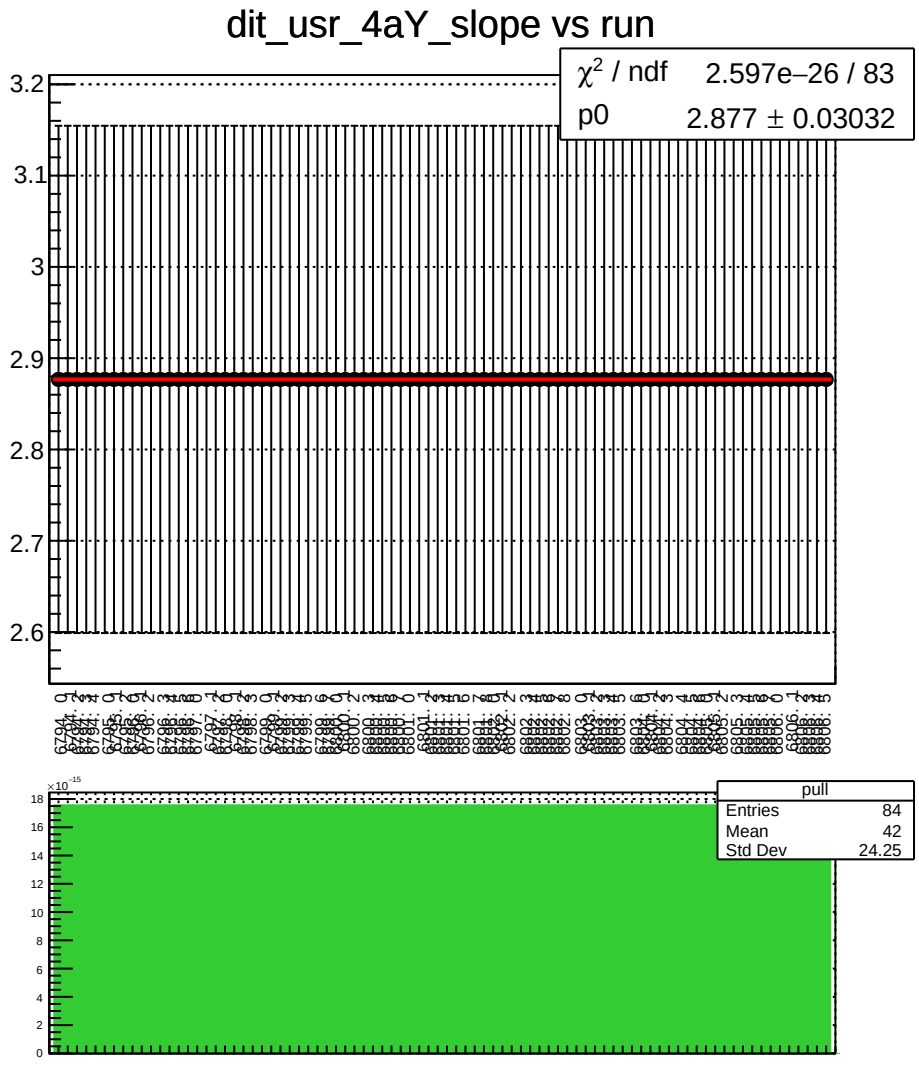

dit_usl_4eY_slope vs run
χ² / ndf 1.249e−24 / 83
p0 19.91 ± 0.05086
20.4
20.2
20
19.8
19.6
19.4
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
pull1D
Entries 84
Mean −1.219e−13
Std Dev7.187e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

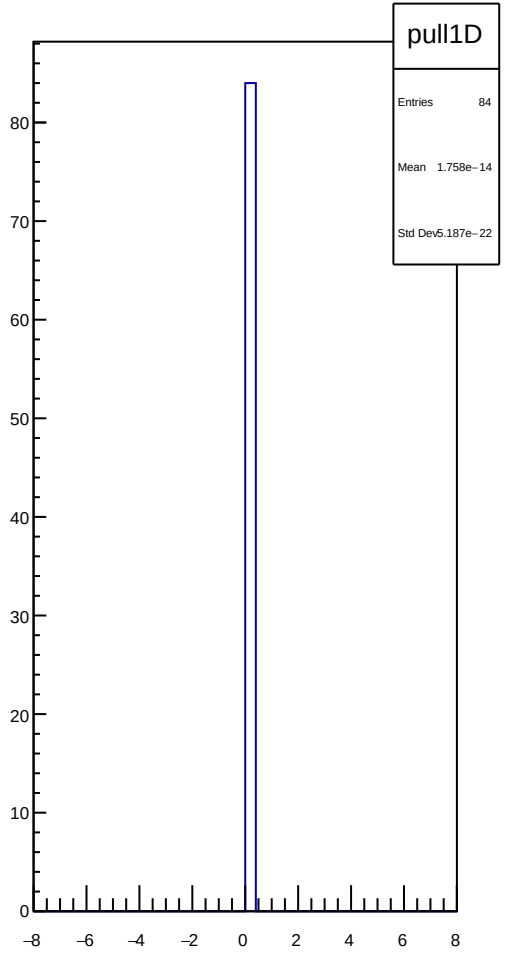

dit_usr_4aX_slope vs run
χ² / ndf 1.667e−24 / 83
p0 −147.4 ± 0.1761
−145.5
−146
−146.5
−147
−147.5
−148
−148.5
−149
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
pull1D
Entries 84
Mean −1.409e−13
Std Dev8.299e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

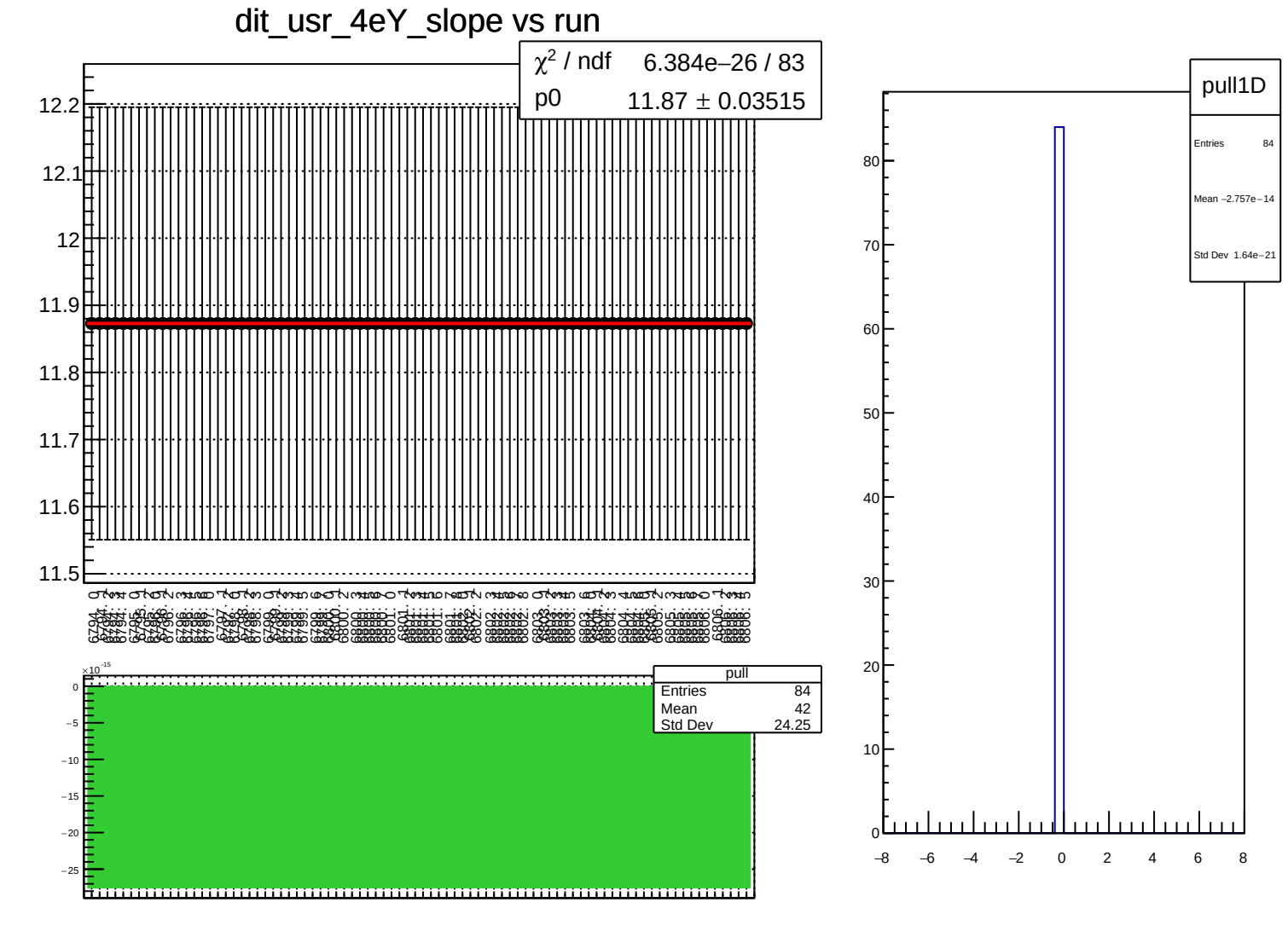

dit_usr_4eX_slope vs run
χ² / ndf 3.274e−24 / 83
p0 196.9 ± 0.1414
198
197.5
197
196.5
196
195.5
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2

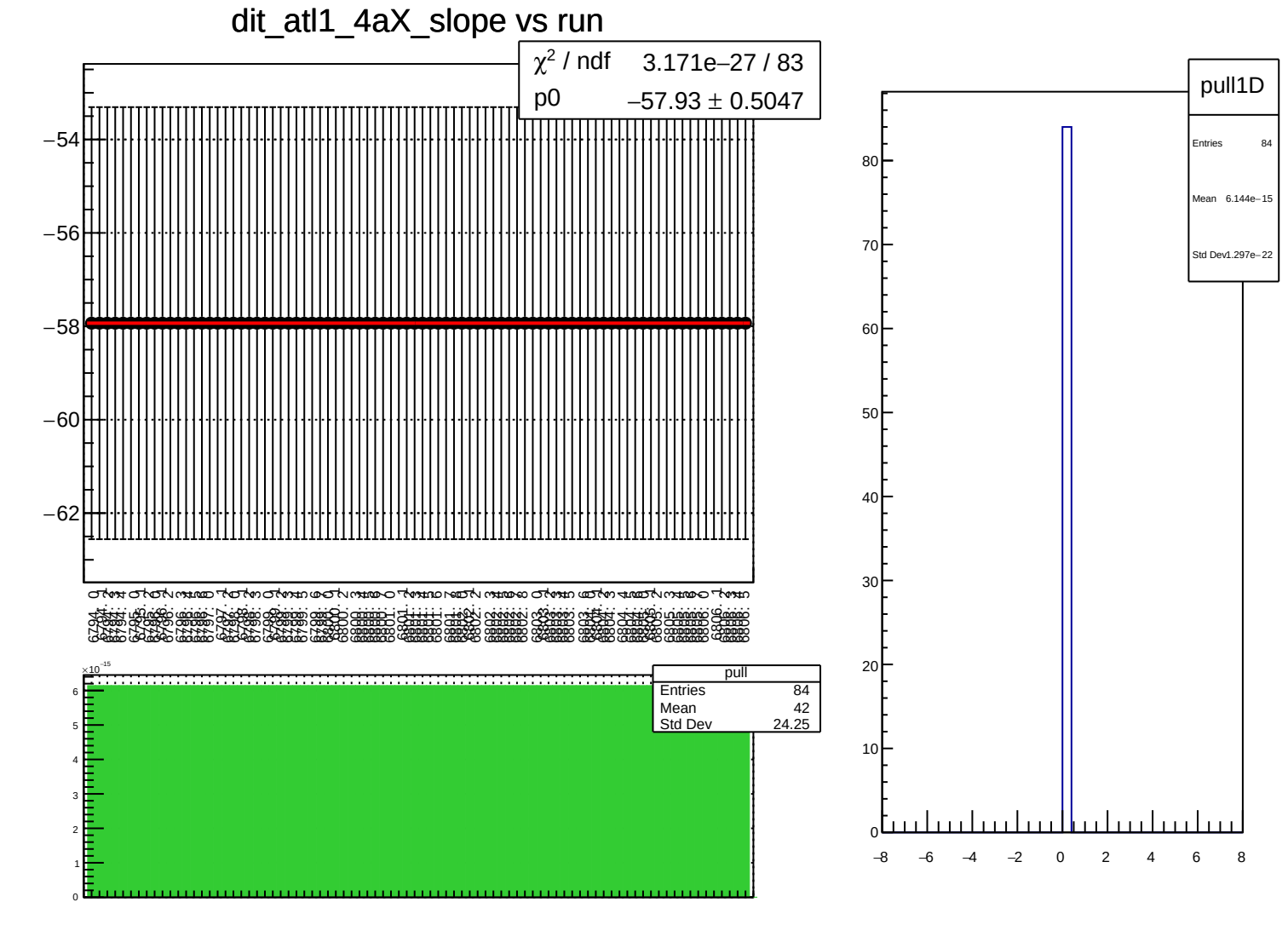

pull1D
Entries 84
Mean −1.974e−13
Std Dev8.964e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

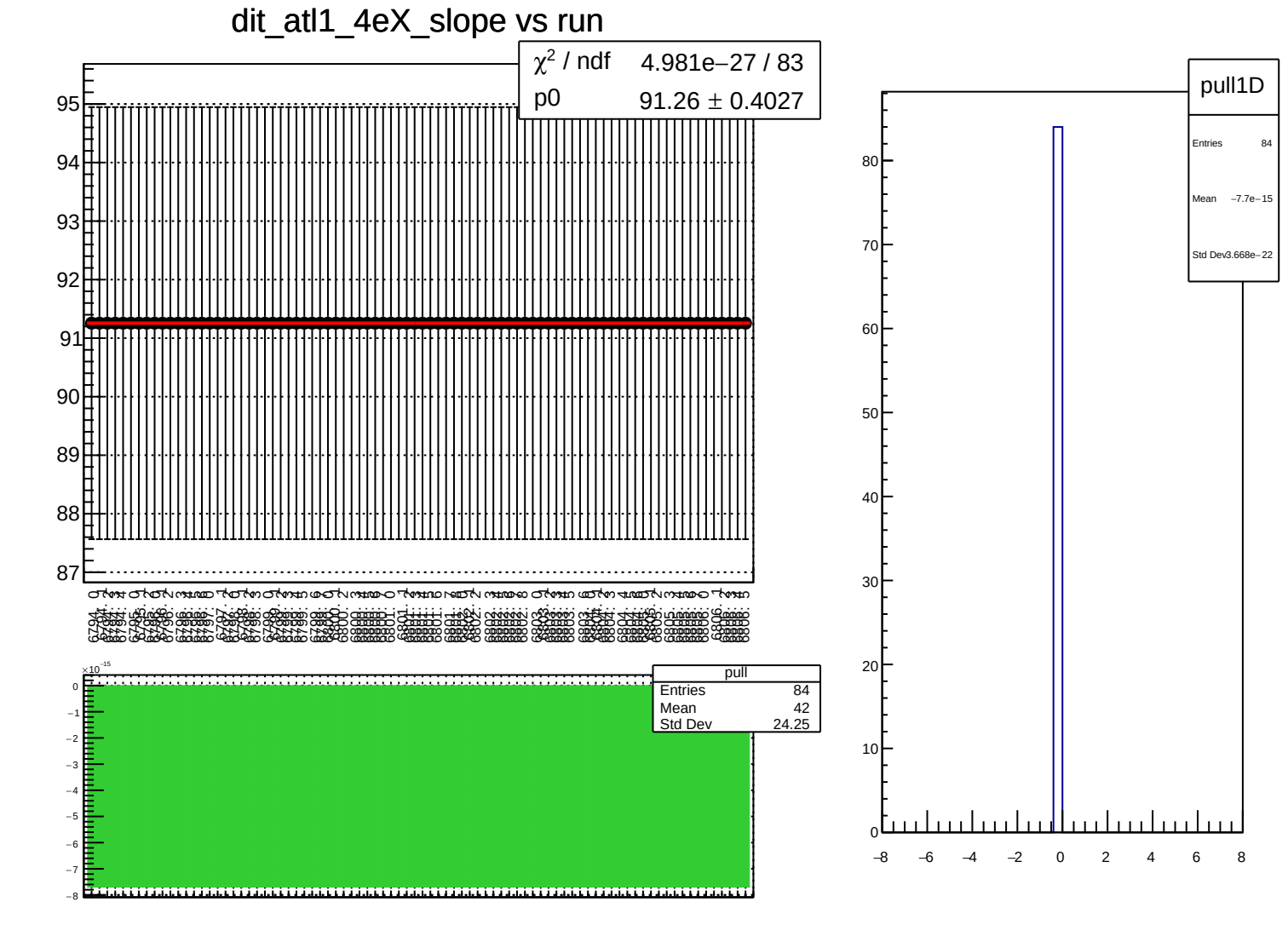

dit_usr_11X12X_slope vs run
χ² / ndf 1.493e−25 / 83
p0 −37.25 ± 0.01839
−37.05
−37.1
−37.15
−37.2
−37.25
−37.3
−37.35
−37.4
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
pull1D
Entries 84
Mean −4.216e−14
Std Dev2.075e−21

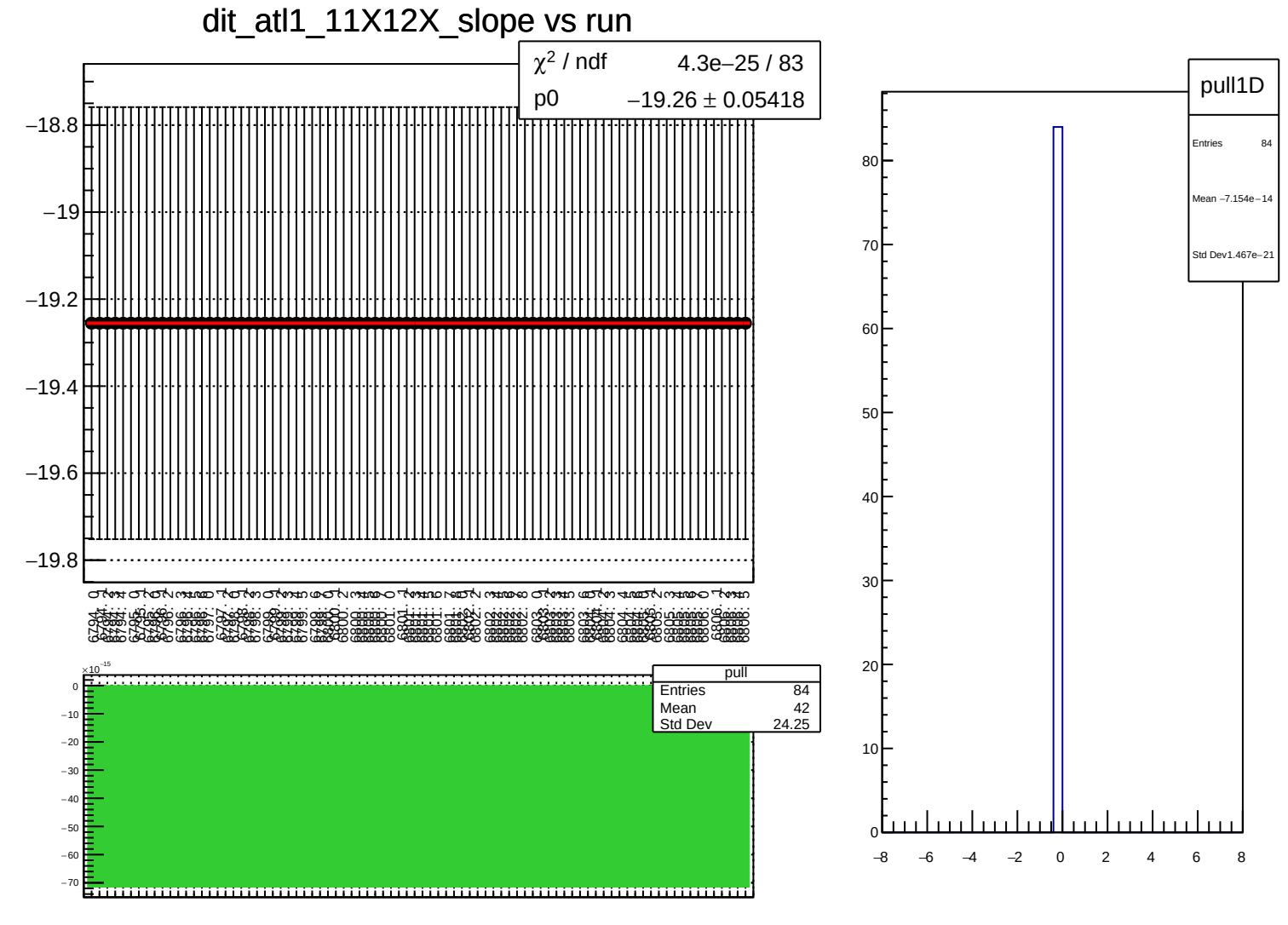

dit_usr_4aY_slope vs run
χ² / ndf 2.597e−26 / 83
p0 2.877 ± 0.03032
3.2
3.1
3
2.9
2.8
2.7
2.6
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
18
16
14
12
10
8
6
4
2
0

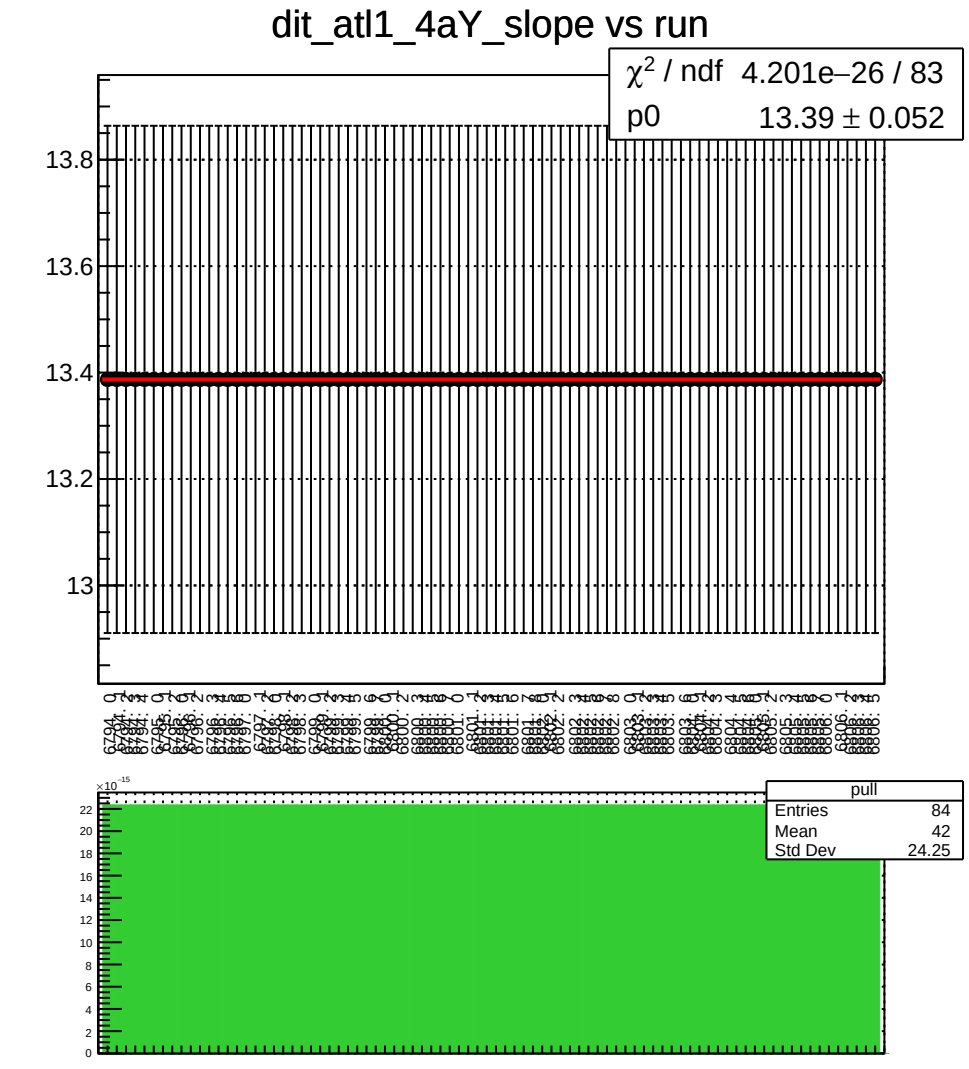

pull1D
Entries 84
Mean 1.758e−14
Std Dev 5.187e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

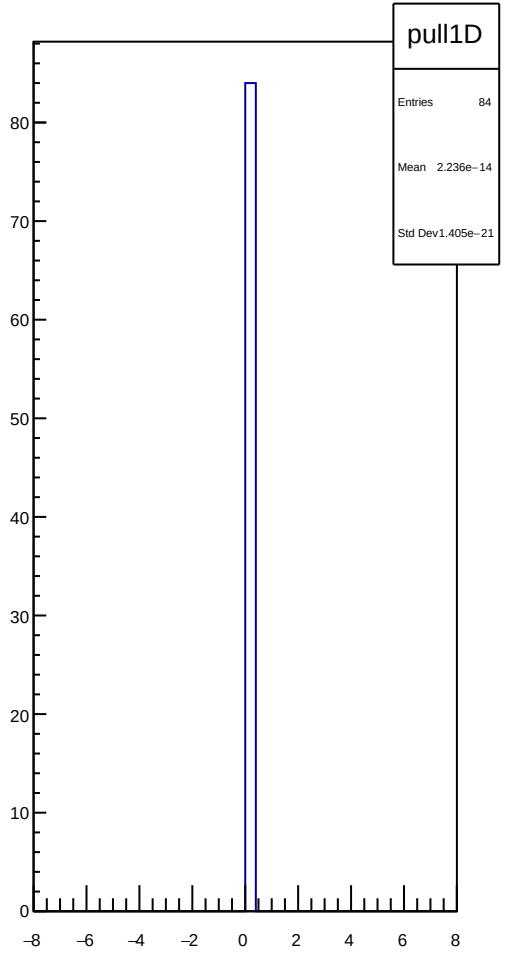

dit_usr_4eY_slope vs run
χ² / ndf 6.384e−26 / 83
p0 11.87 ± 0.03515
12.2
12.1
12
11.9
11.8
11.7
11.6
11.5
×10⁻¹⁵
0
−5
−10
−15
−20
−25
pull
Entries 84
Mean 42
Std Dev 24.25
pull1D
Entries 84
Mean −2.757e−14
Std Dev 1.64e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

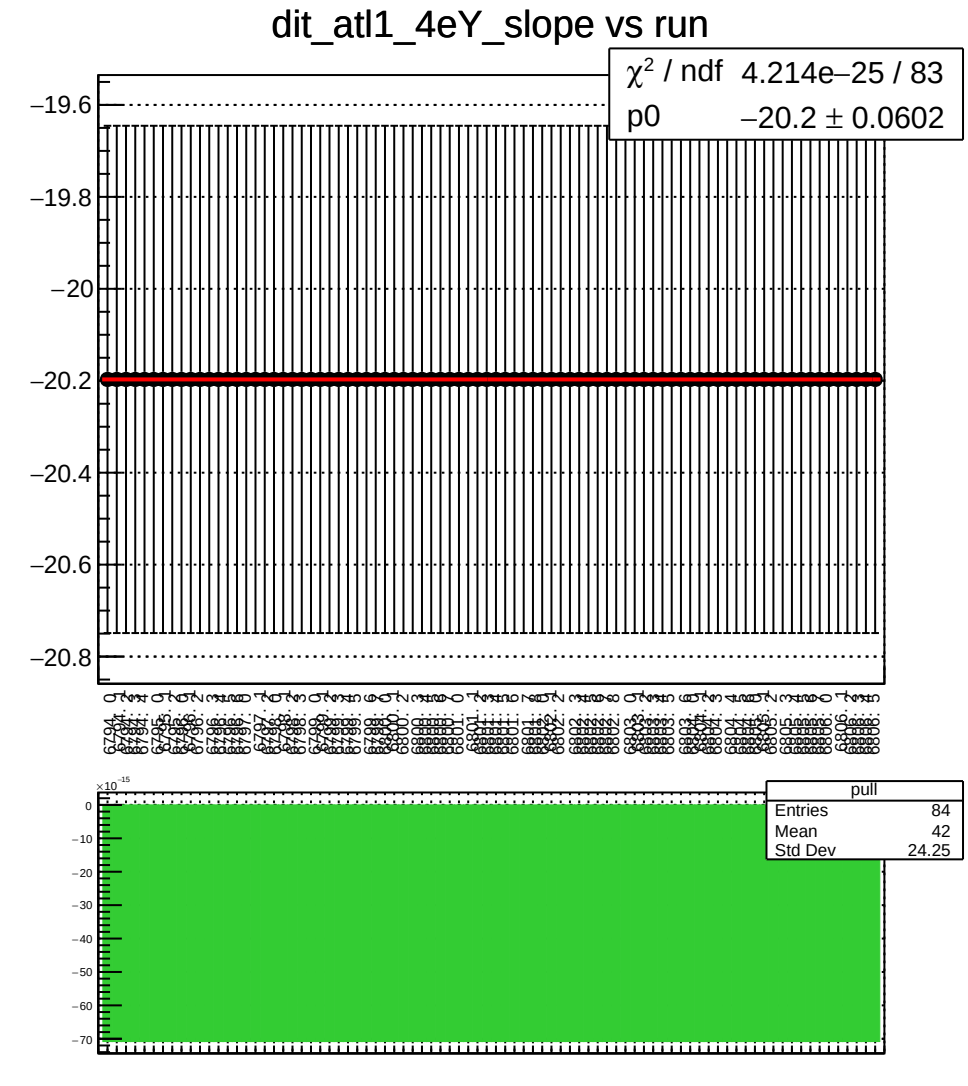

dit_atl1_4aX_slope vs run
χ² / ndf 3.171e−27 / 83
p0 −57.93 ± 0.5047
−54
−56
−58
−60
−62
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
pull1D
Entries 84
Mean 6.144e−15
Std Dev1.297e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

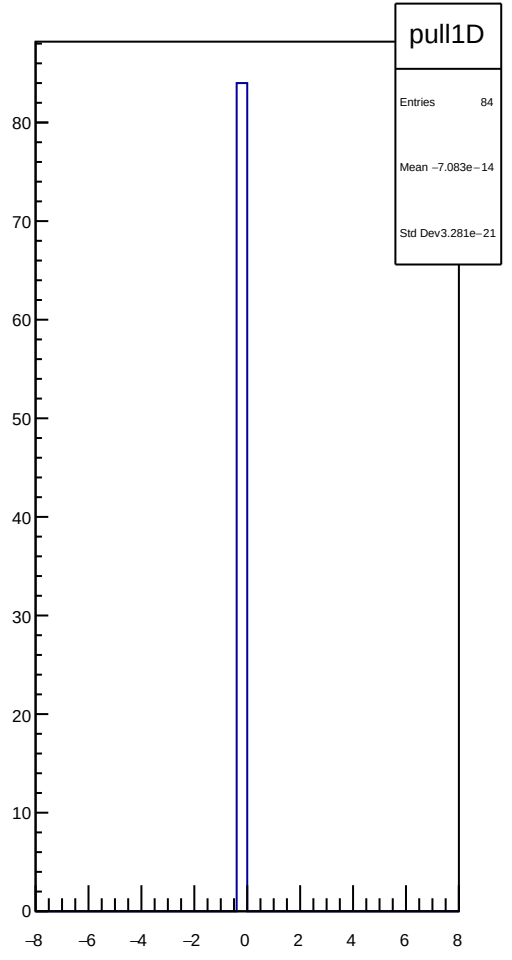

dit_atl1_4eX_slope vs run
χ² / ndf 4.981e−27 / 83
p0 91.26 ± 0.4027
pull
Entries 84
Mean 42
Std Dev 24.25
pull1D
Entries 84
Mean −7.7e−15
Std Dev 3.668e−22

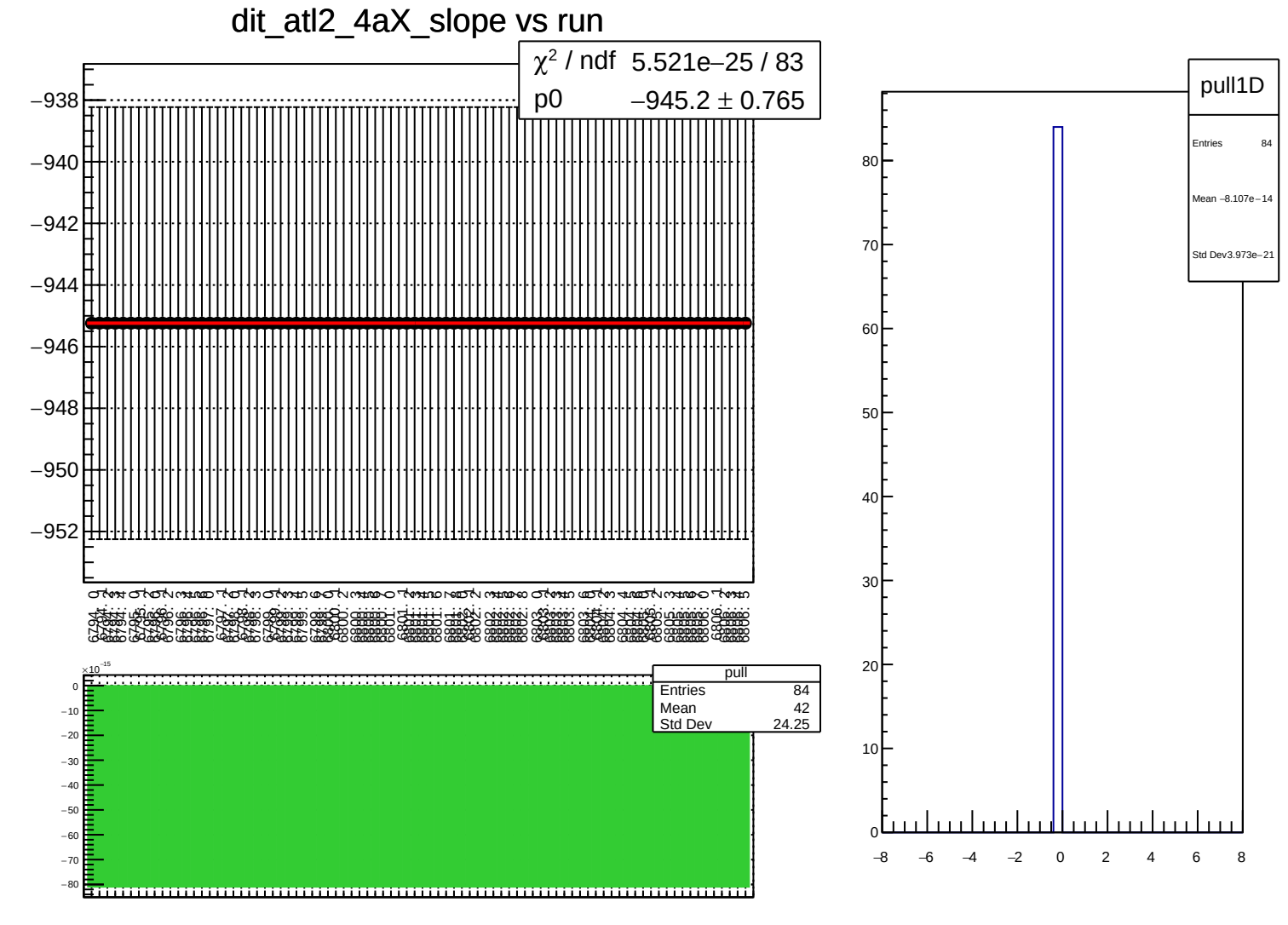

dit_atl1_11X12X_slope vs run
χ² / ndf 4.3e−25 / 83
p0 −19.26 ± 0.05418
−18.8
−19
−19.2
−19.4
−19.6
−19.8
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
pull1D
Entries 84
Mean −7.154e−14
Std Dev1.467e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

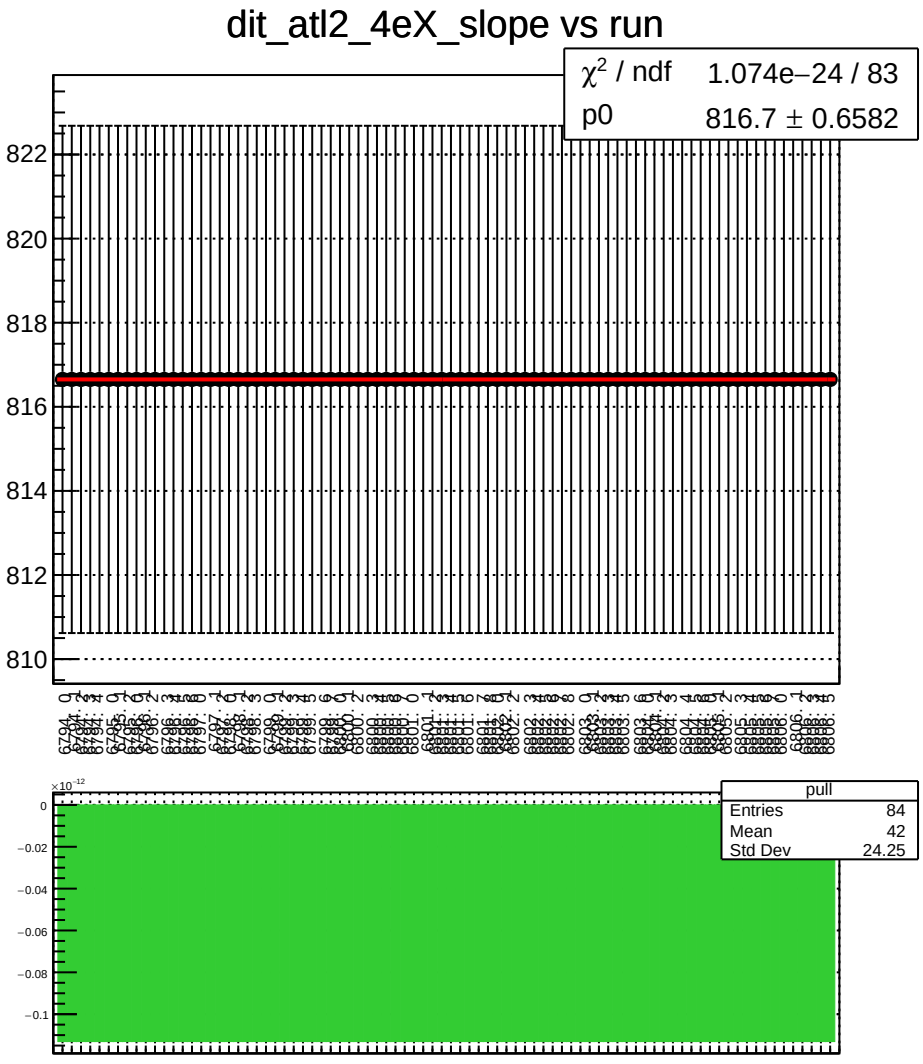

dit_atl1_4aY_slope vs run
χ^2 / ndf 4.201e−26 / 83
p0 13.39 ± 0.052
13.8
13.6
13.4
13.2
13
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
22
20
18
16
14
12
10
8
6
4
2
0

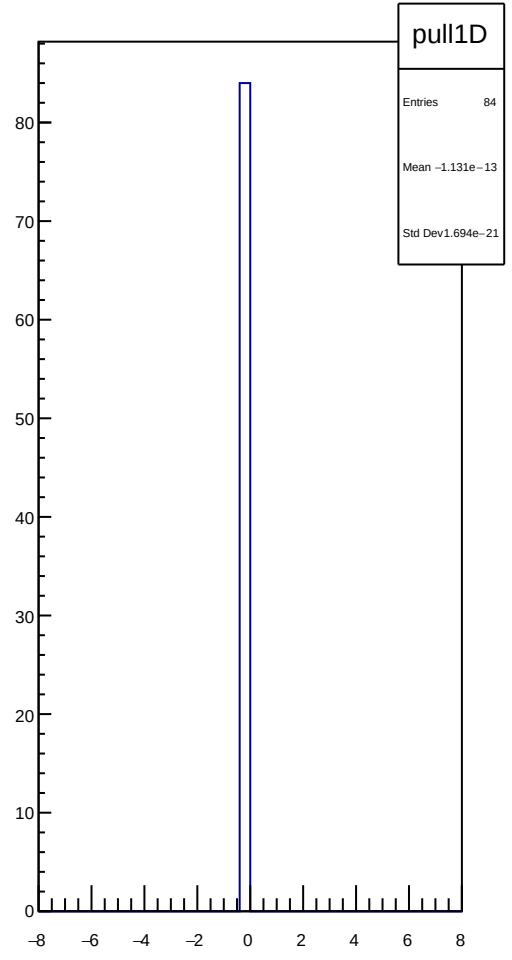

pull1D
Entries 84
Mean 2.236e−14
Std Dev1.405e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

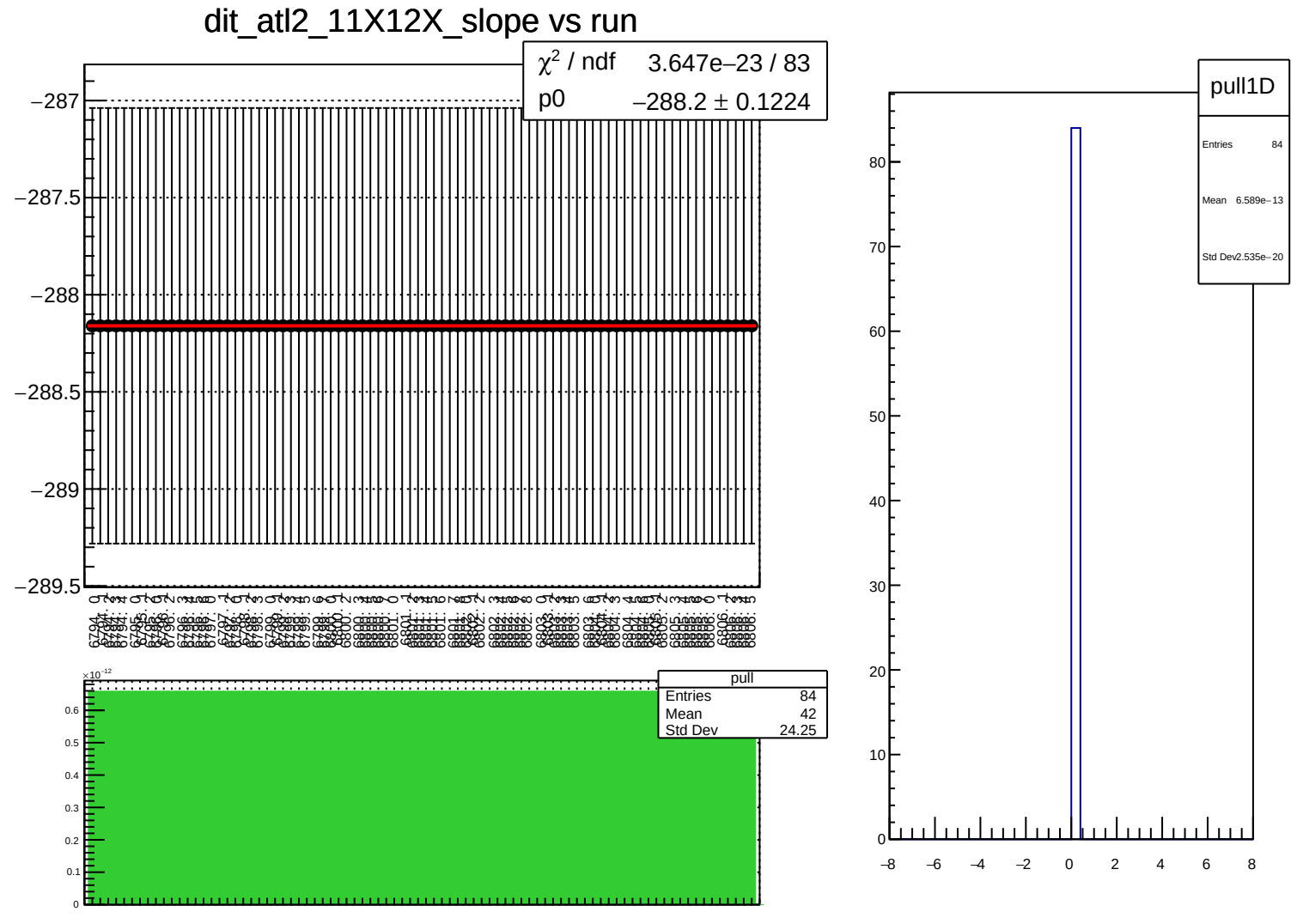

dit_atl1_4eY_slope vs run
χ² / ndf 4.214e−25 / 83
p0 −20.2 ± 0.0602
−19.6
−19.8
−20
−20.2
−20.4
−20.6
−20.8
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70

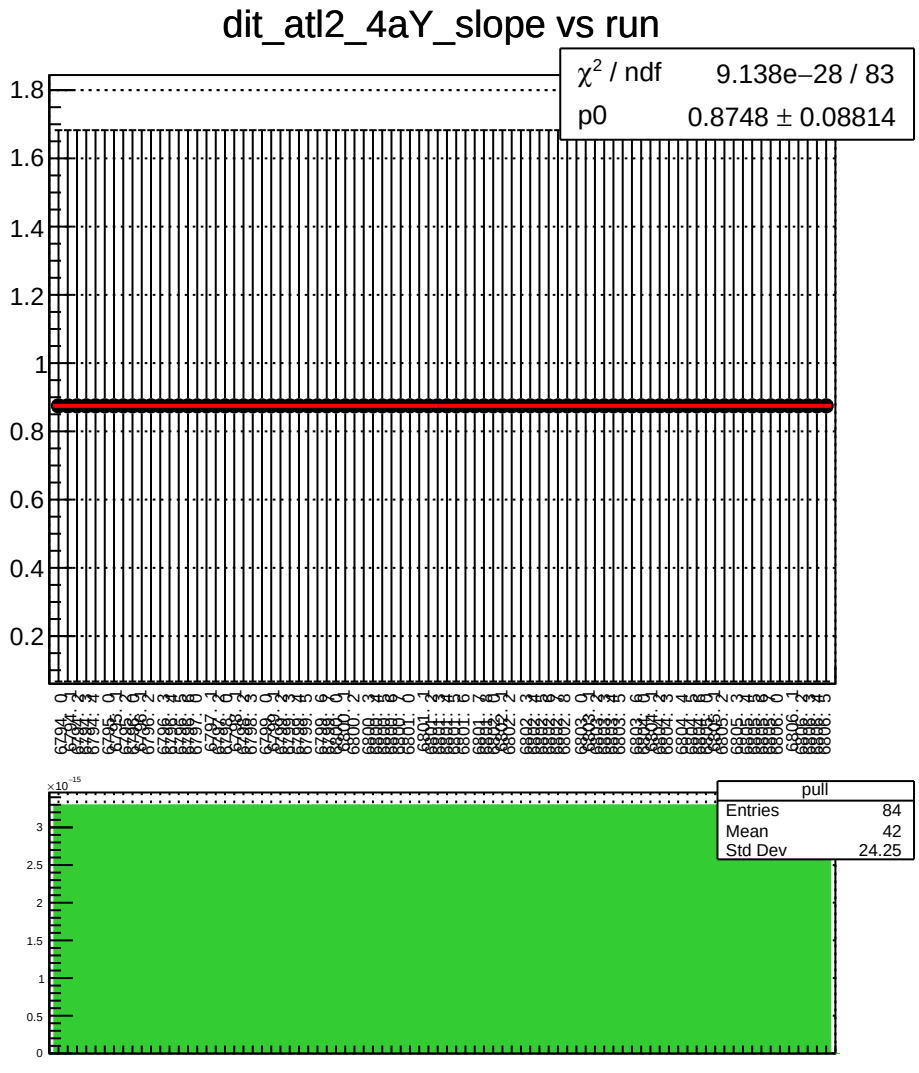

pull1D
Entries 84
Mean −7.083e−14
Std Dev3.281e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

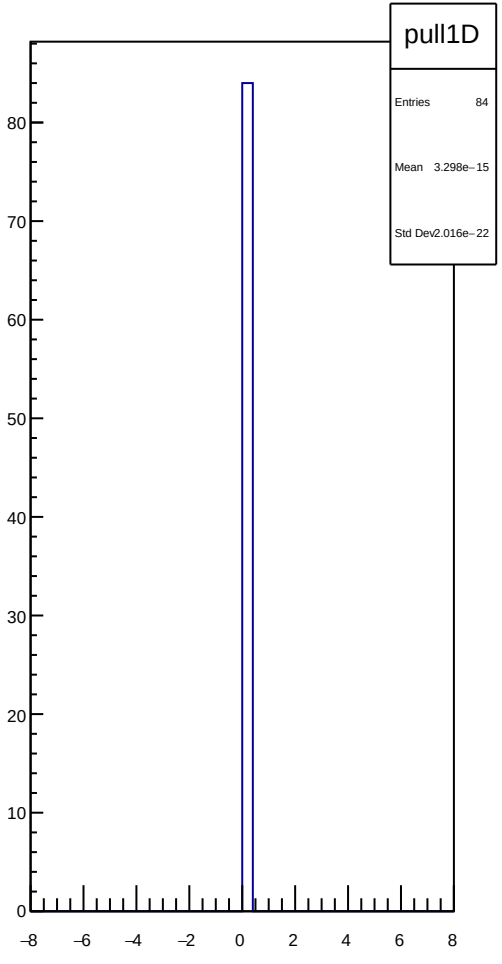

dit_atl2_4aX_slope vs run
χ² / ndf 5.521e−25 / 83
p0 −945.2 ± 0.765
−938
−940
−942
−944
−946
−948
−950
−952
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80
pull1D
Entries 84
Mean −8.107e−14
Std Dev3.973e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

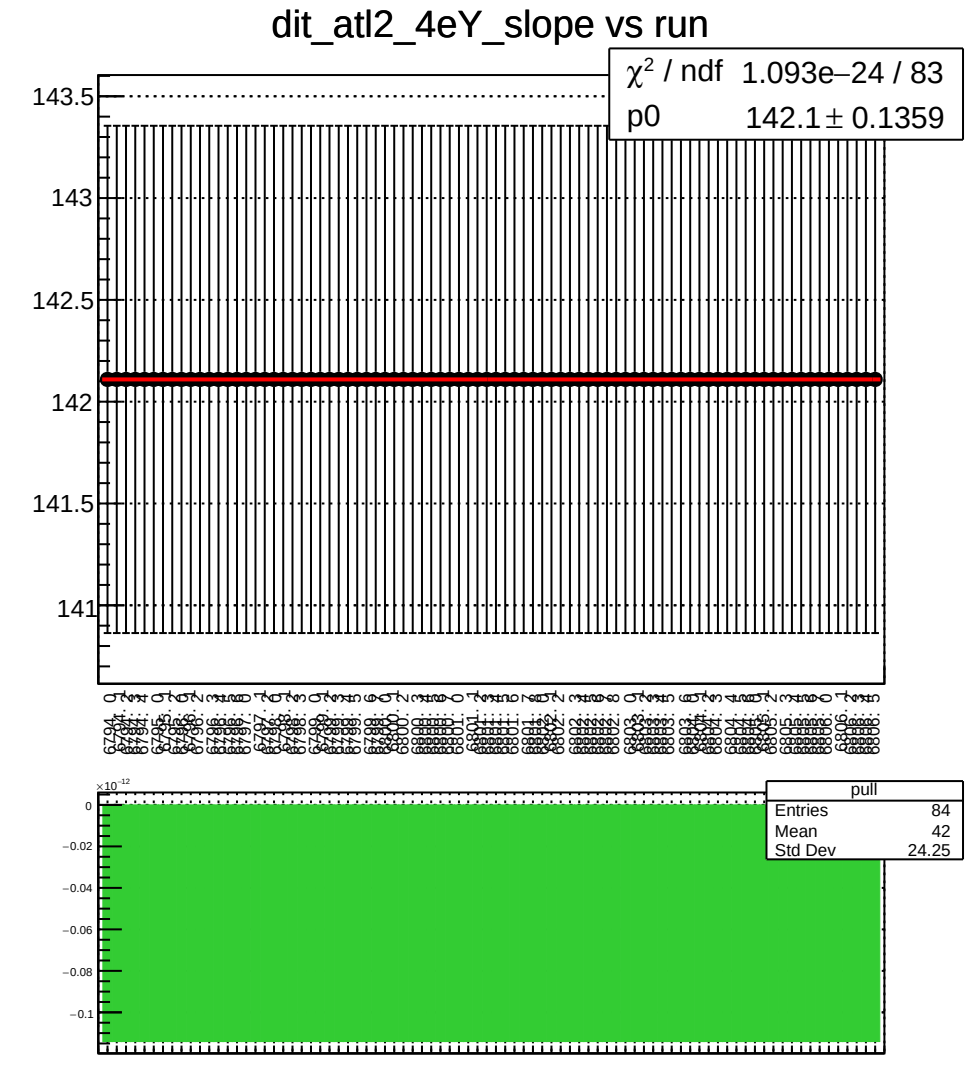

dit_atl2_4eX_slope vs run
χ² / ndf 1.074e−24 / 83
p0 816.7 ± 0.6582
822
820
818
816
814
812
810
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1

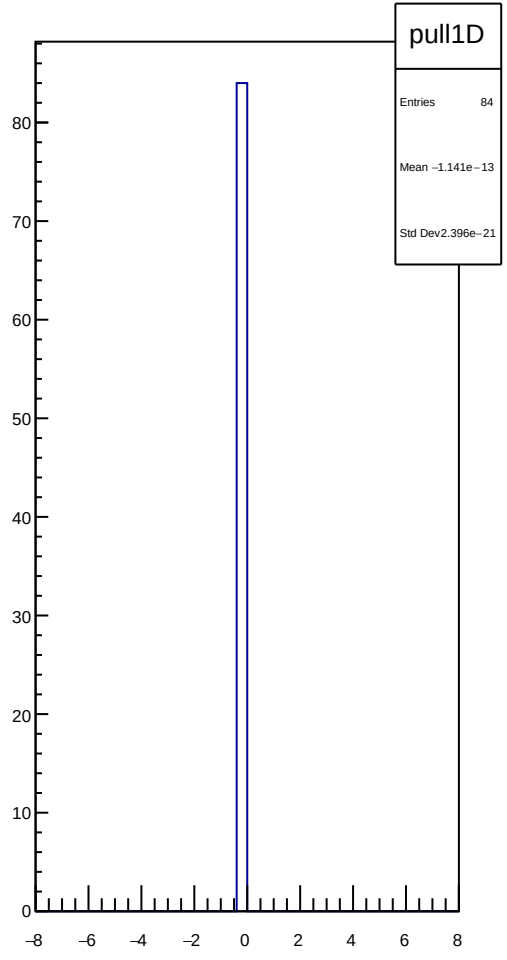

pull1D
Entries 84
Mean −1.131e−13
Std Dev1.694e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

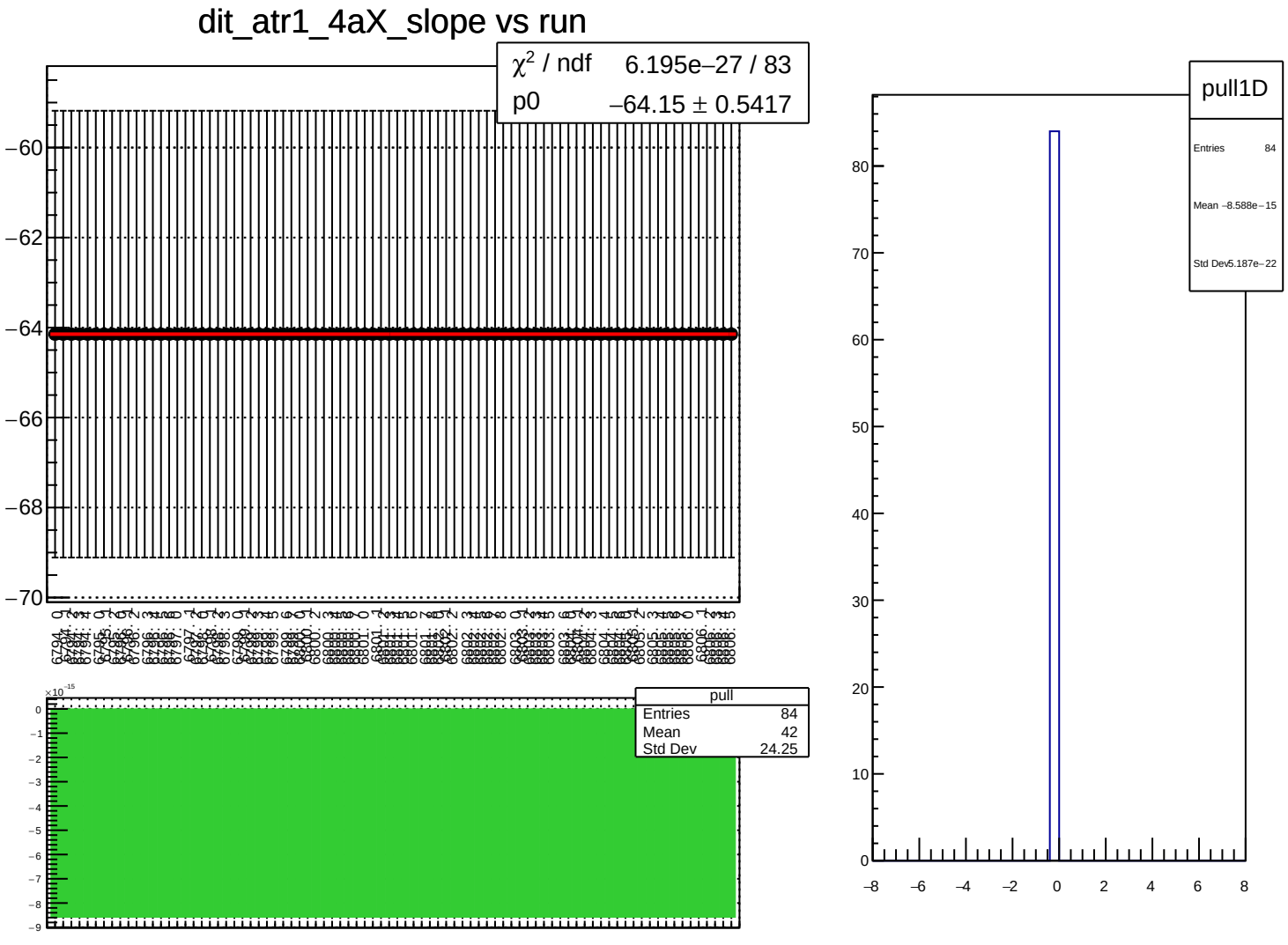

dit_atl2_11X12X_slope vs run
χ² / ndf 3.647e−23 / 83
p0 −288.2 ± 0.1224
−287
−287.5
−288
−288.5
−289
−289.5
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0.6
0.5
0.4
0.3
0.2
0.1
0
pull1D
Entries 84
Mean 6.589e−13
Std Dev 2.535e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

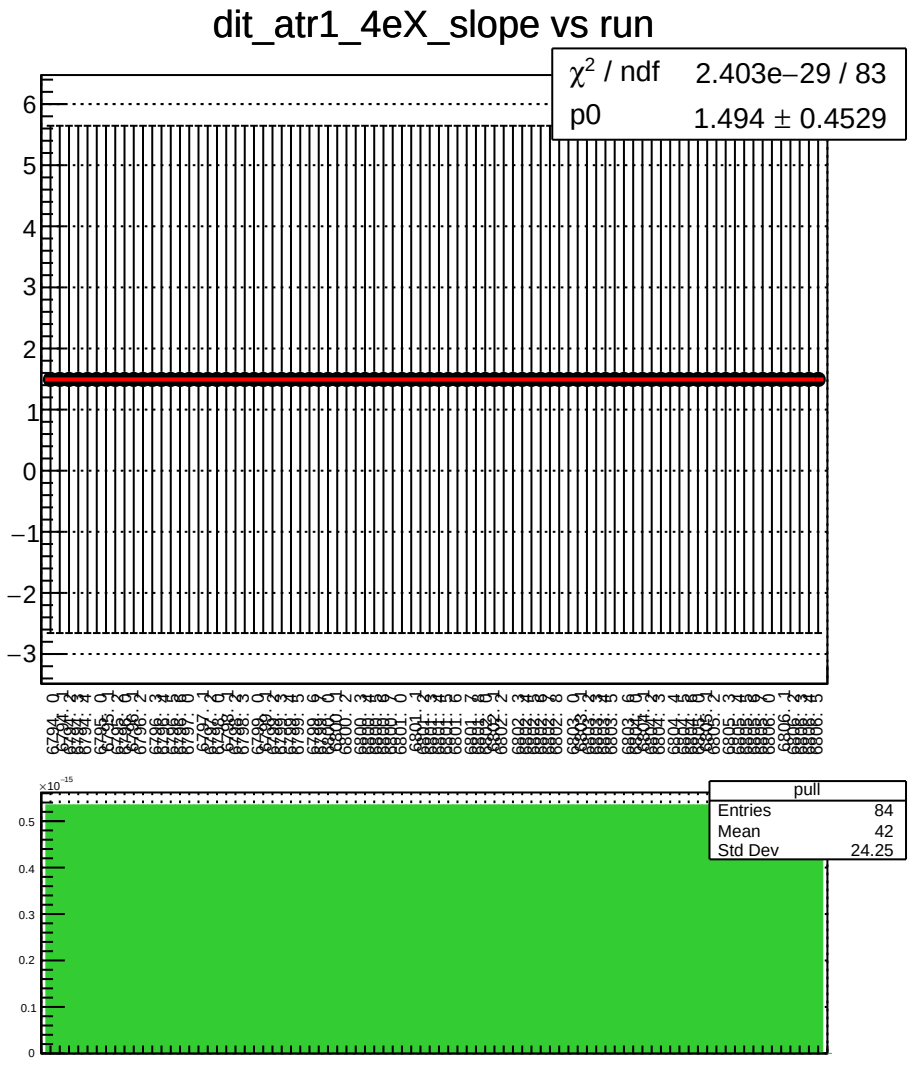

dit_atl2_4aY_slope vs run
χ² / ndf 9.138e−28 / 83
p0 0.8748 ± 0.08814
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵

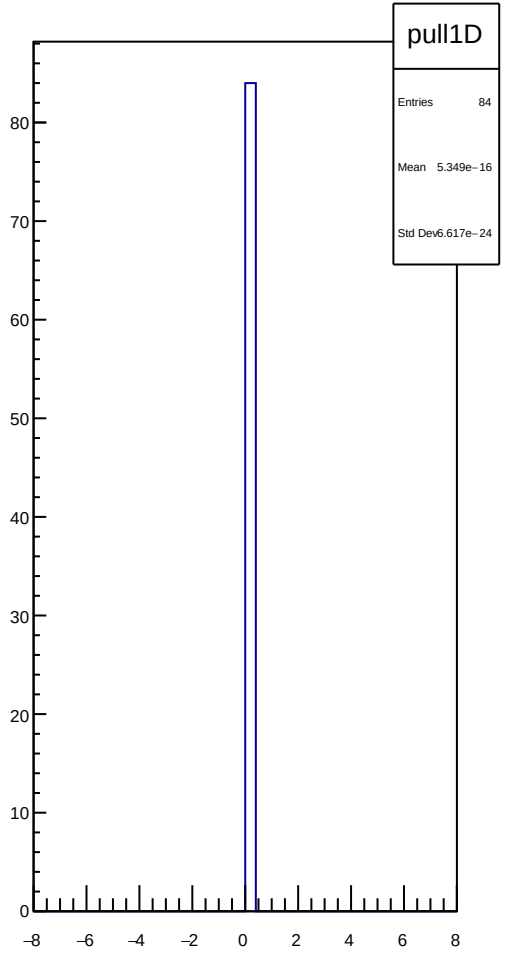

pull1D
Entries 84
Mean 3.298e−15
Std Dev2.016e−22

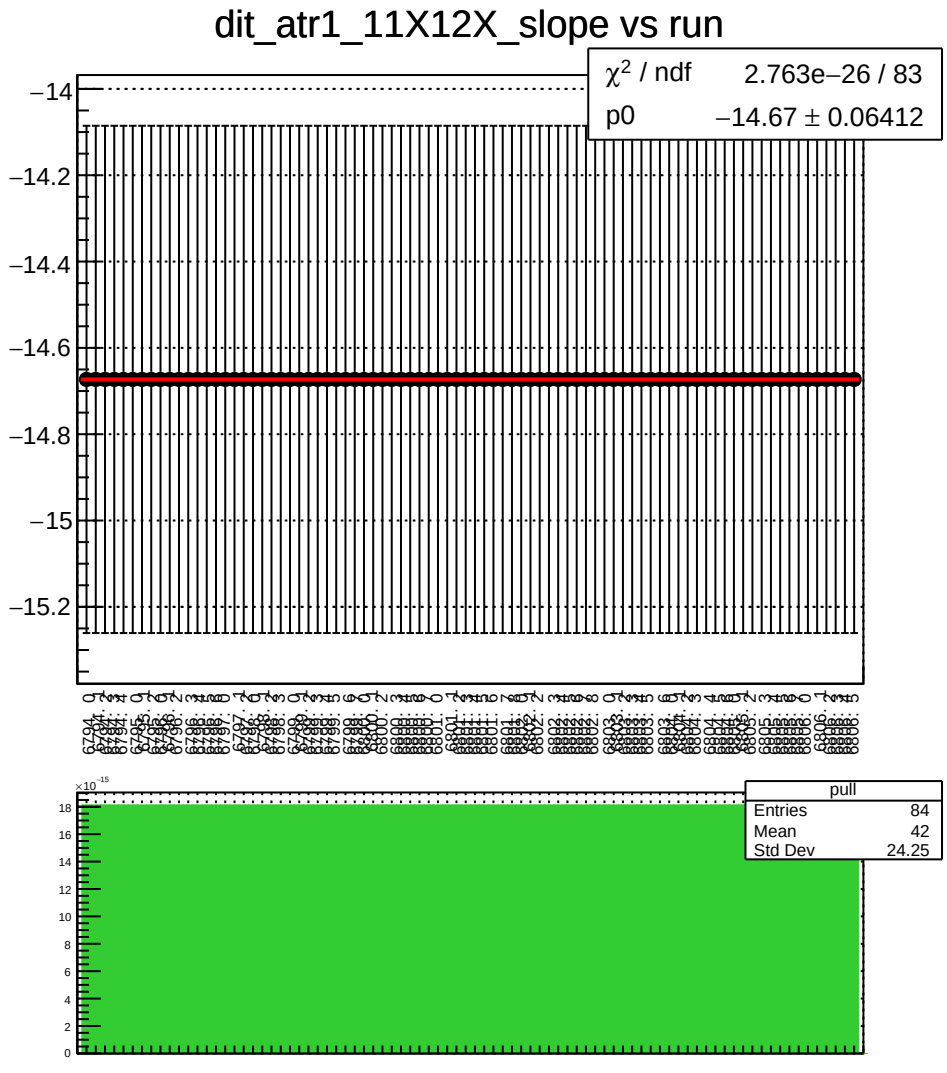

dit_atl2_4eY_slope vs run
χ^2 / ndf 1.093e−24 / 83
p0 142.1 ± 0.1359
143.5
143
142.5
142
141.5
141
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1

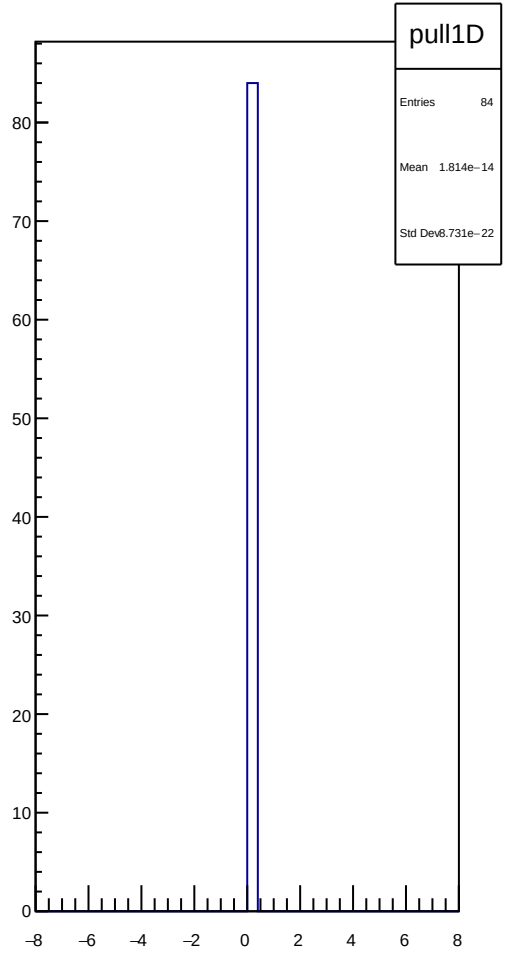

pull1D
Entries 84
Mean −1.141e−13
Std Dev2.396e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

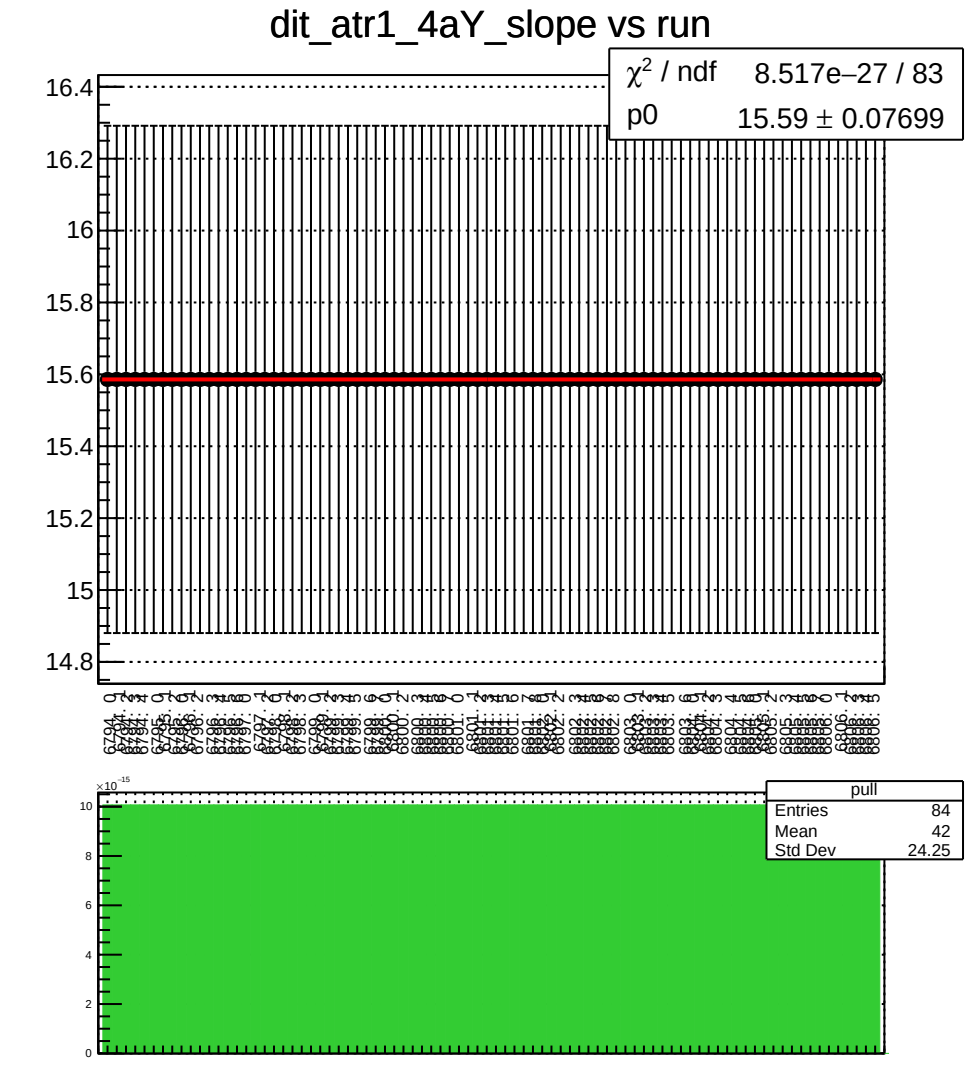

dit_atr1_4aX_slope vs run
χ² / ndf 6.195e−27 / 83
p0 −64.15 ± 0.5417
−60
−62
−64
−66
−68
−70
×10⁻¹⁵
pull
Entries 84
Mean 42
Std Dev 24.25
pull1D
Entries 84
Mean −8.588e−15
Std Dev5.187e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

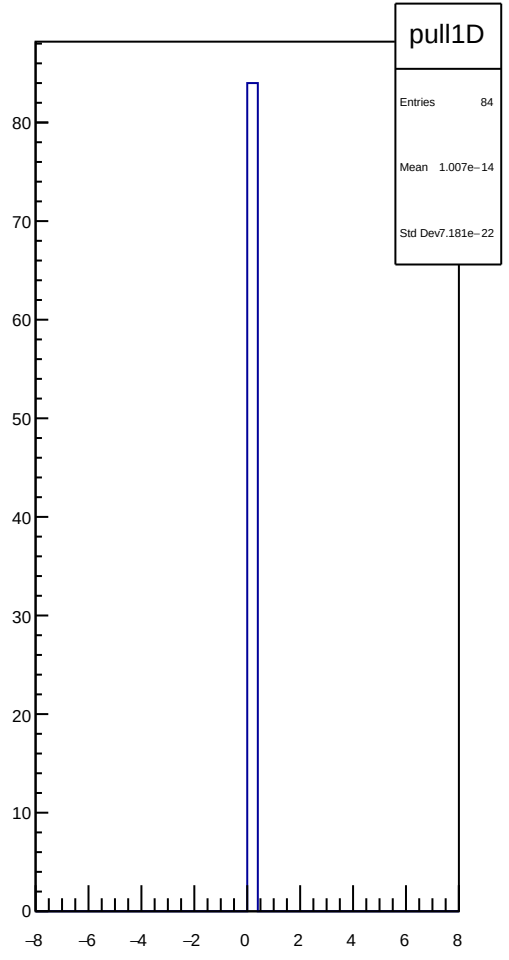

dit_atr1_4eX_slope vs run
χ² / ndf 2.403e−29 / 83
p0 1.494 ± 0.4529
pull
Entries 84
Mean 42
Std Dev 24.25

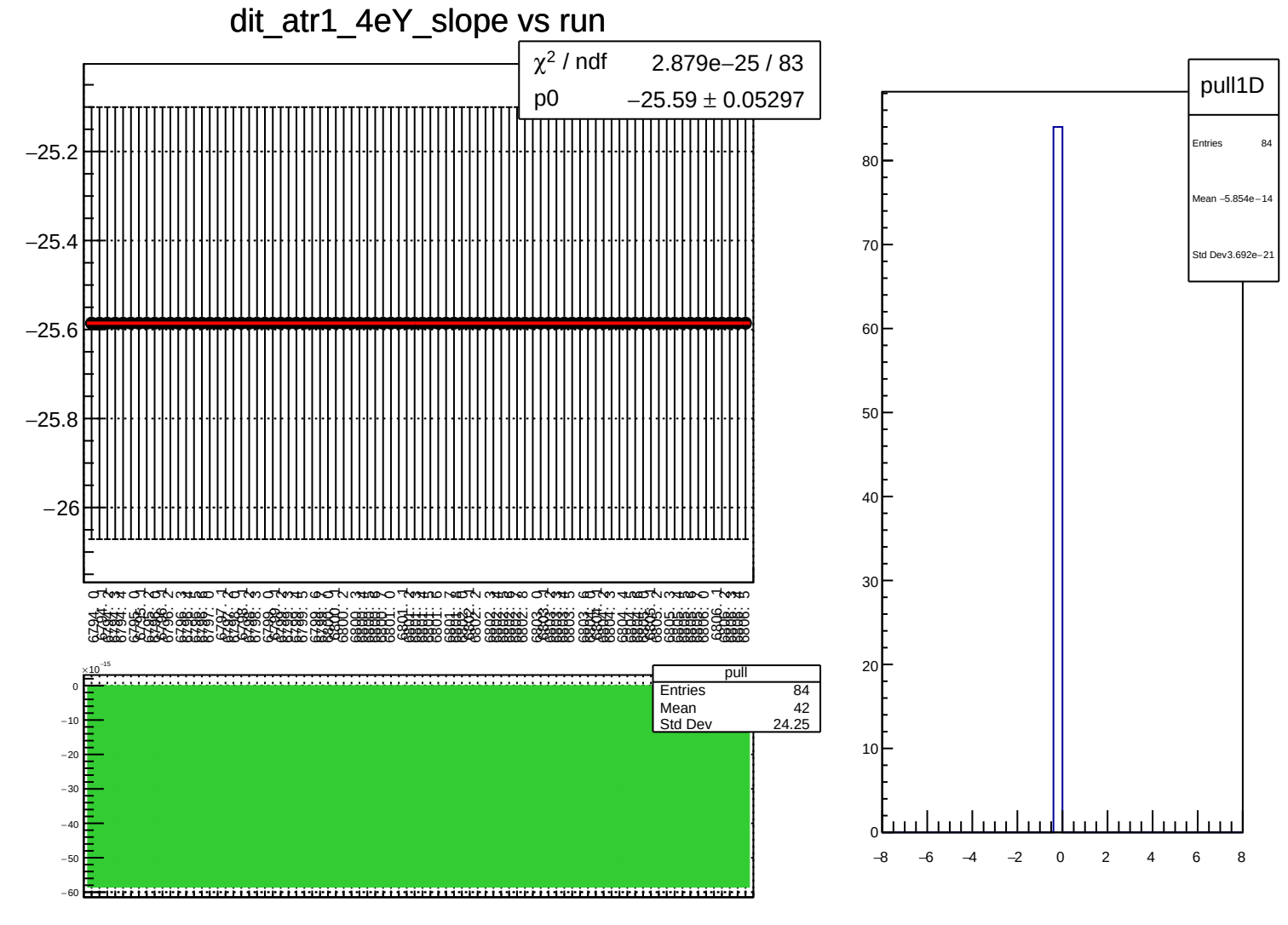

pull1D
Entries 84
Mean 5.349e−16
Std Dev 6.617e−24

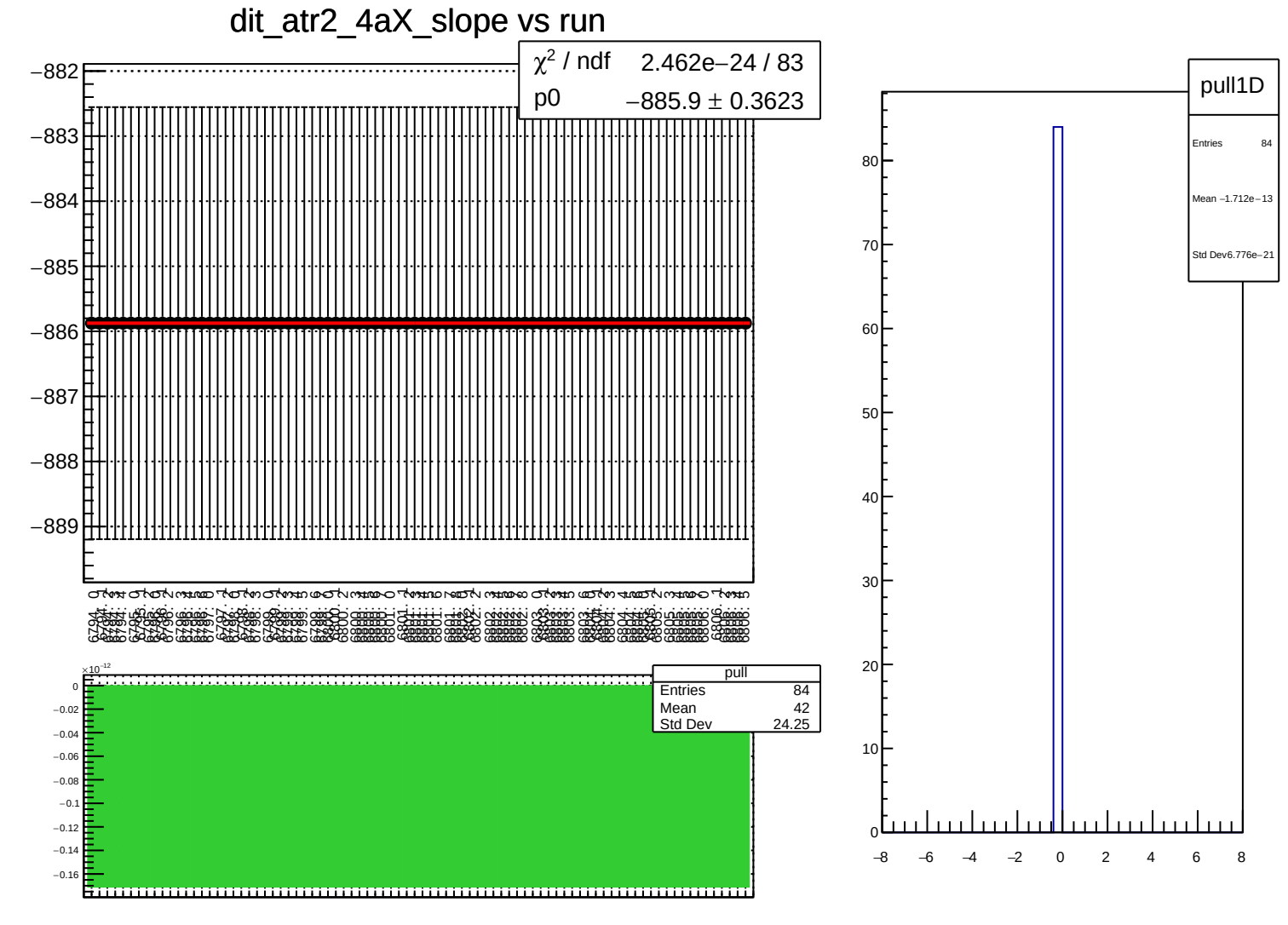

dit_atr1_11X12X_slope vs run
χ² / ndf 2.763e−26 / 83
p0 −14.67 ± 0.06412
−14
−14.2
−14.4
−14.6
−14.8
−15
−15.2
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
18
16
14
12
10
8
6
4
2
0

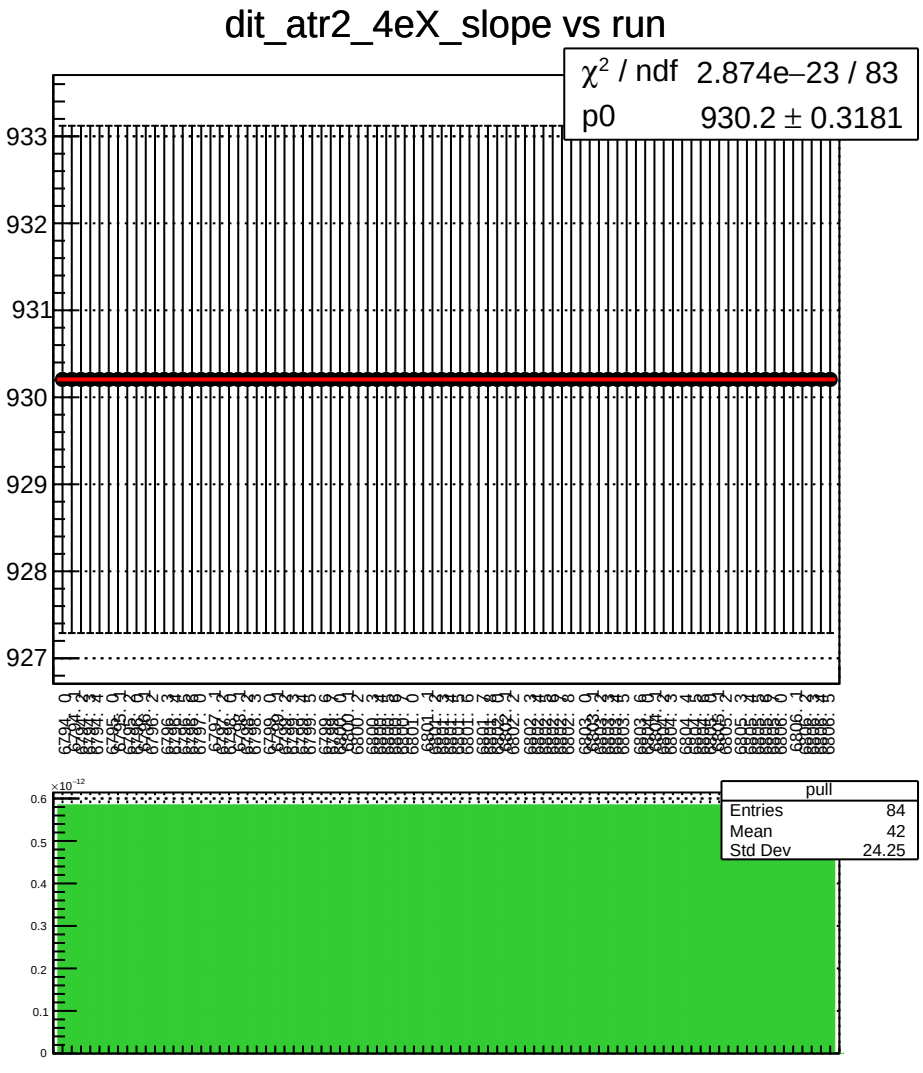

pull1D
Entries 84
Mean 1.814e−14
Std Dev 8.731e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

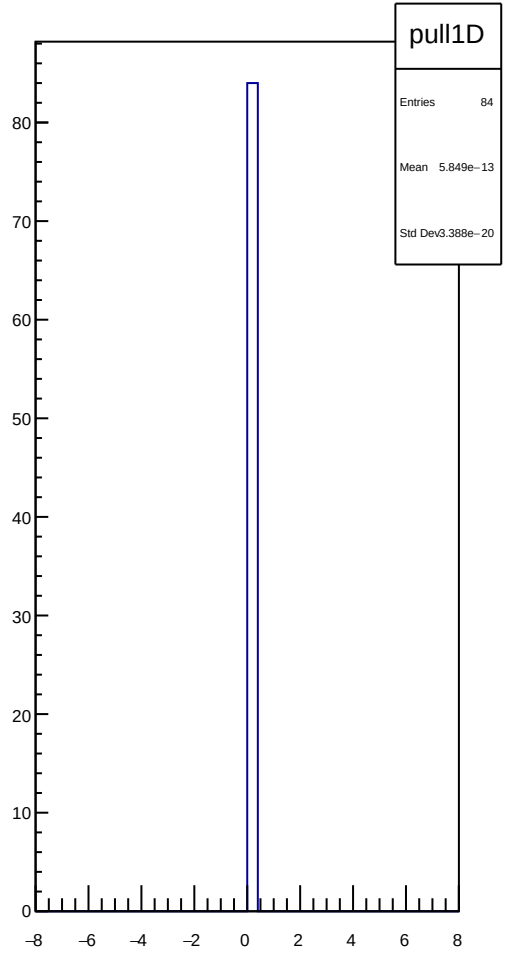

dit_atr1_4aY_slope vs run
χ² / ndf 8.517e−27 / 83
p0 15.59 ± 0.07699
16.4
16.2
16
15.8
15.6
15.4
15.2
15
14.8
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
10
8
6
4
2
0

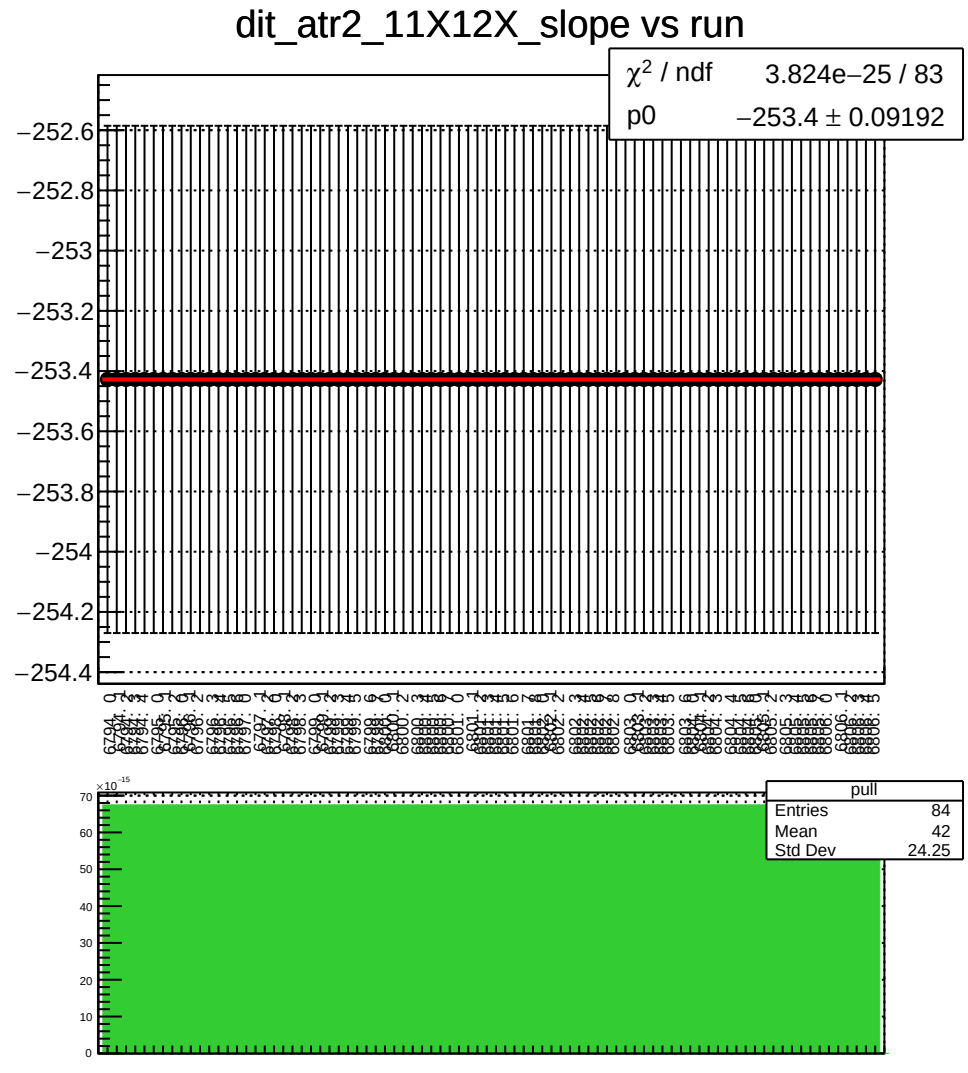

pull1D
Entries 84
Mean 1.007e−14
Std Dev7.181e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

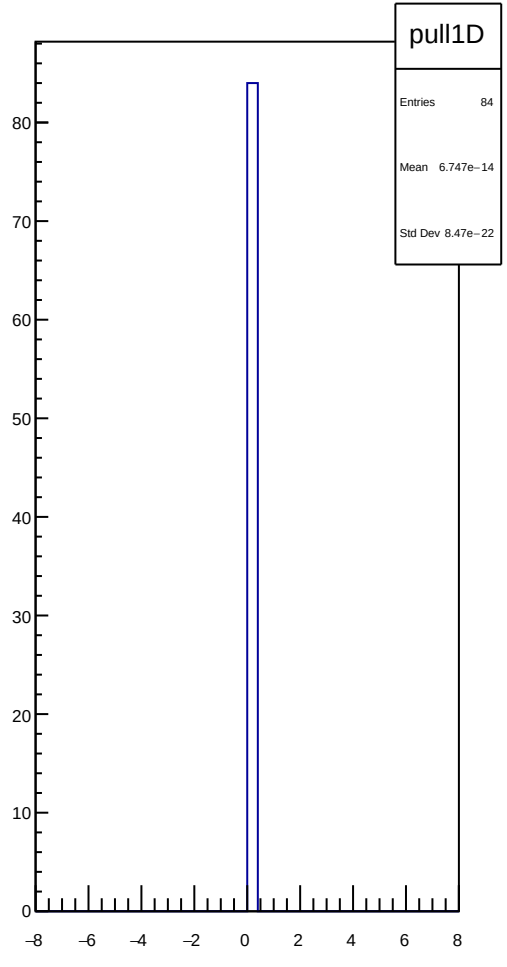

dit_atr1_4eY_slope vs run
χ² / ndf 2.879e−25 / 83
p0 −25.59 ± 0.05297
−25.2
−25.4
−25.6
−25.8
−26
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
pull1D
Entries 84
Mean −5.854e−14
Std Dev3.692e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

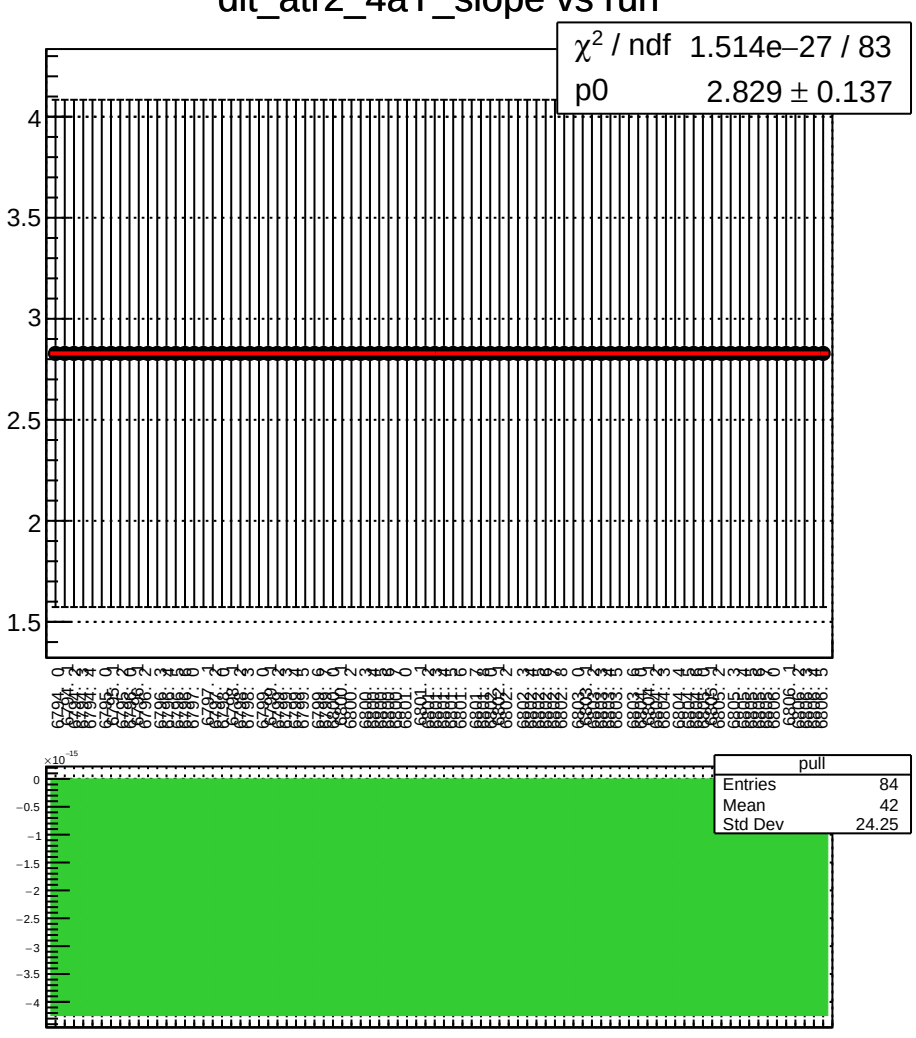

dit_atr2_4aX_slope vs run
χ² / ndf 2.462e−24 / 83
p0 −885.9 ± 0.3623
−882
−883
−884
−885
−886
−887
−888
−889
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
pull1D
Entries 84
Mean −1.712e−13
Std Dev6.776e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

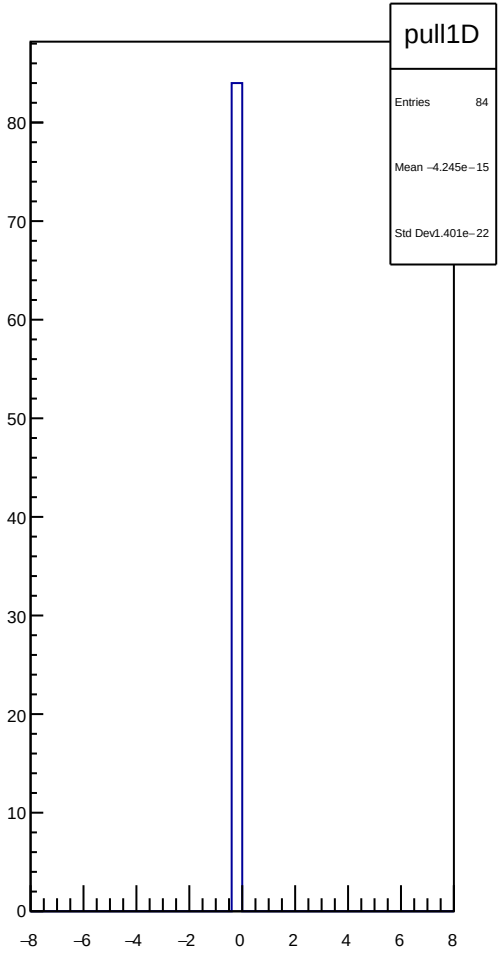

dit_atr2_4eX_slope vs run
χ² / ndf 2.874e−23 / 83
p0 930.2 ± 0.3181
933
932
931
930
929
928
927
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0.6
0.5
0.4
0.3
0.2
0.1
0

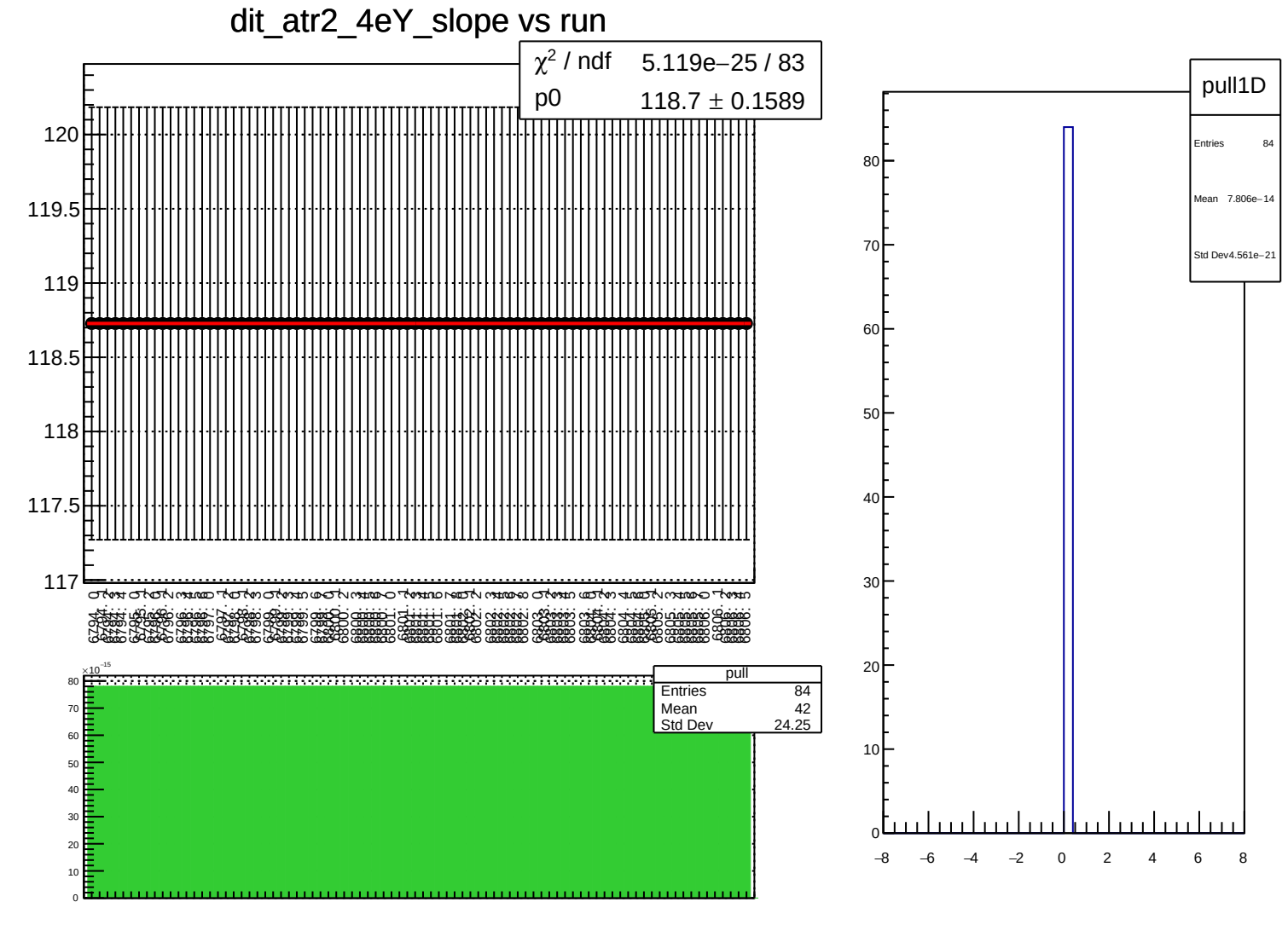

pull1D
Entries 84
Mean 5.849e−13
Std Dev3.388e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

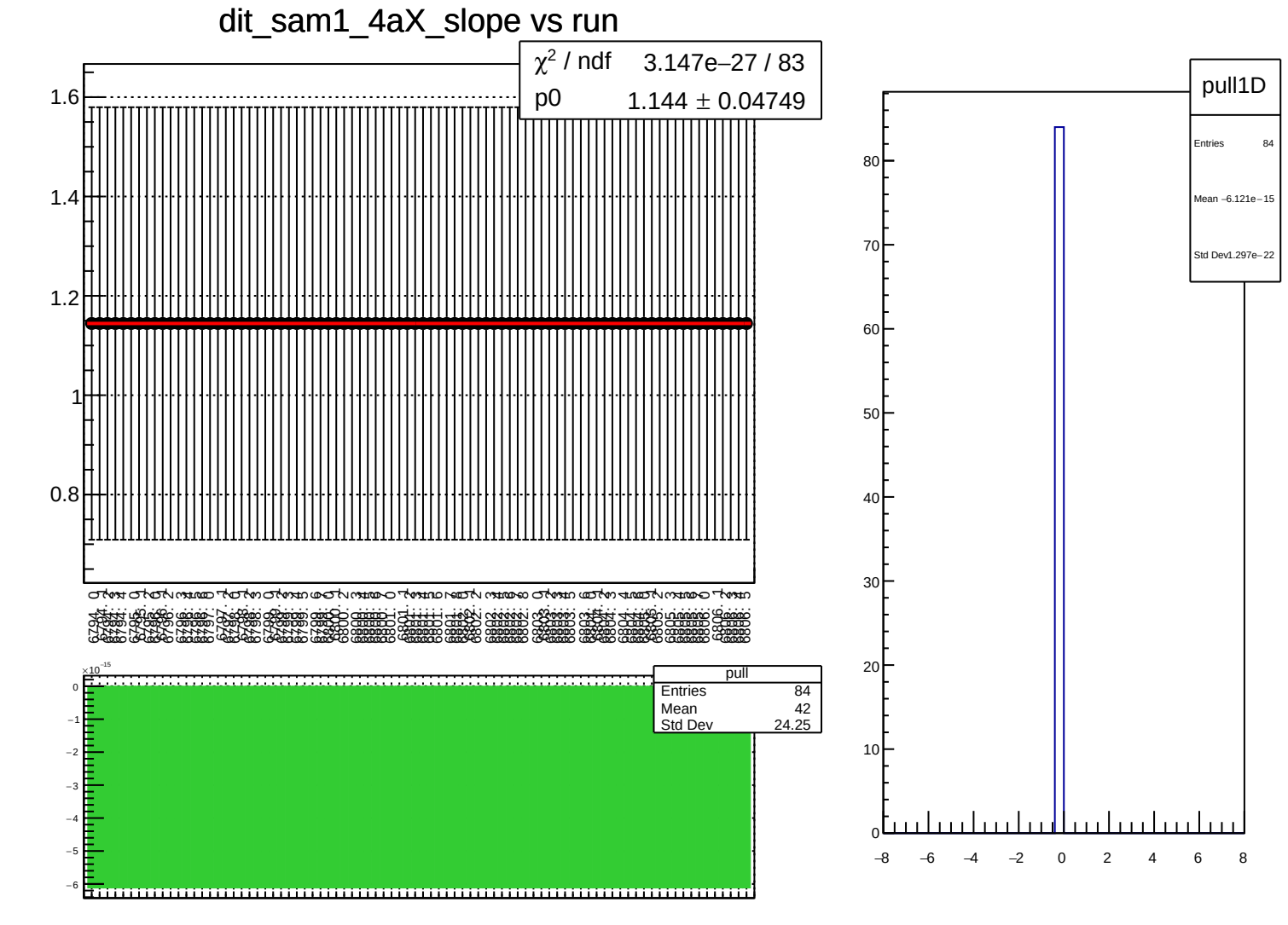

dit_atr2_11X12X_slope vs run
χ² / ndf 3.824e−25 / 83
p0 −253.4 ± 0.09192
−252.6
−252.8
−253
−253.2
−253.4
−253.6
−253.8
−254
−254.2
−254.4
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
70
60
50
40
30
20
10
0

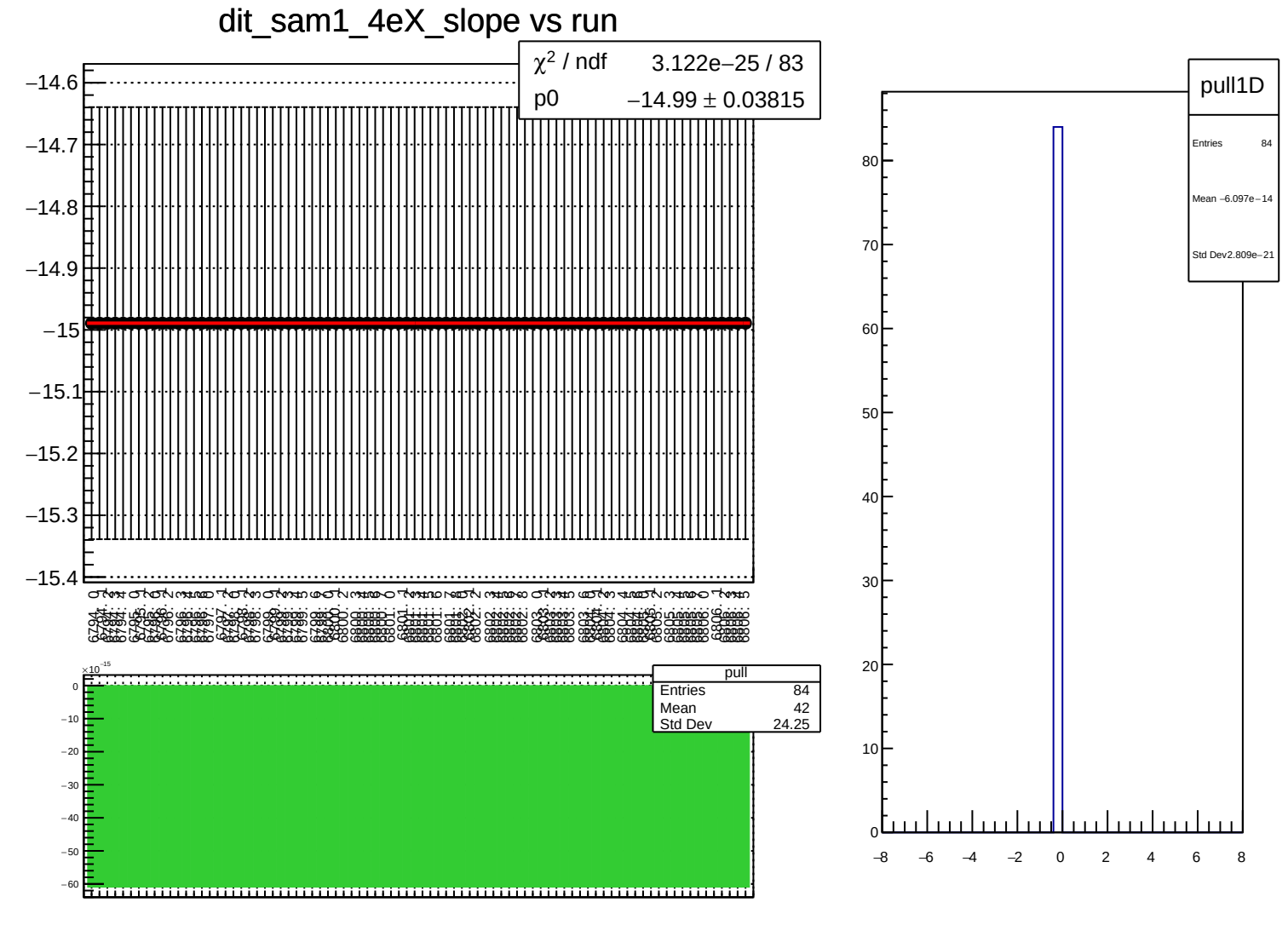

pull1D
Entries 84
Mean 6.747e−14
Std Dev 8.47e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

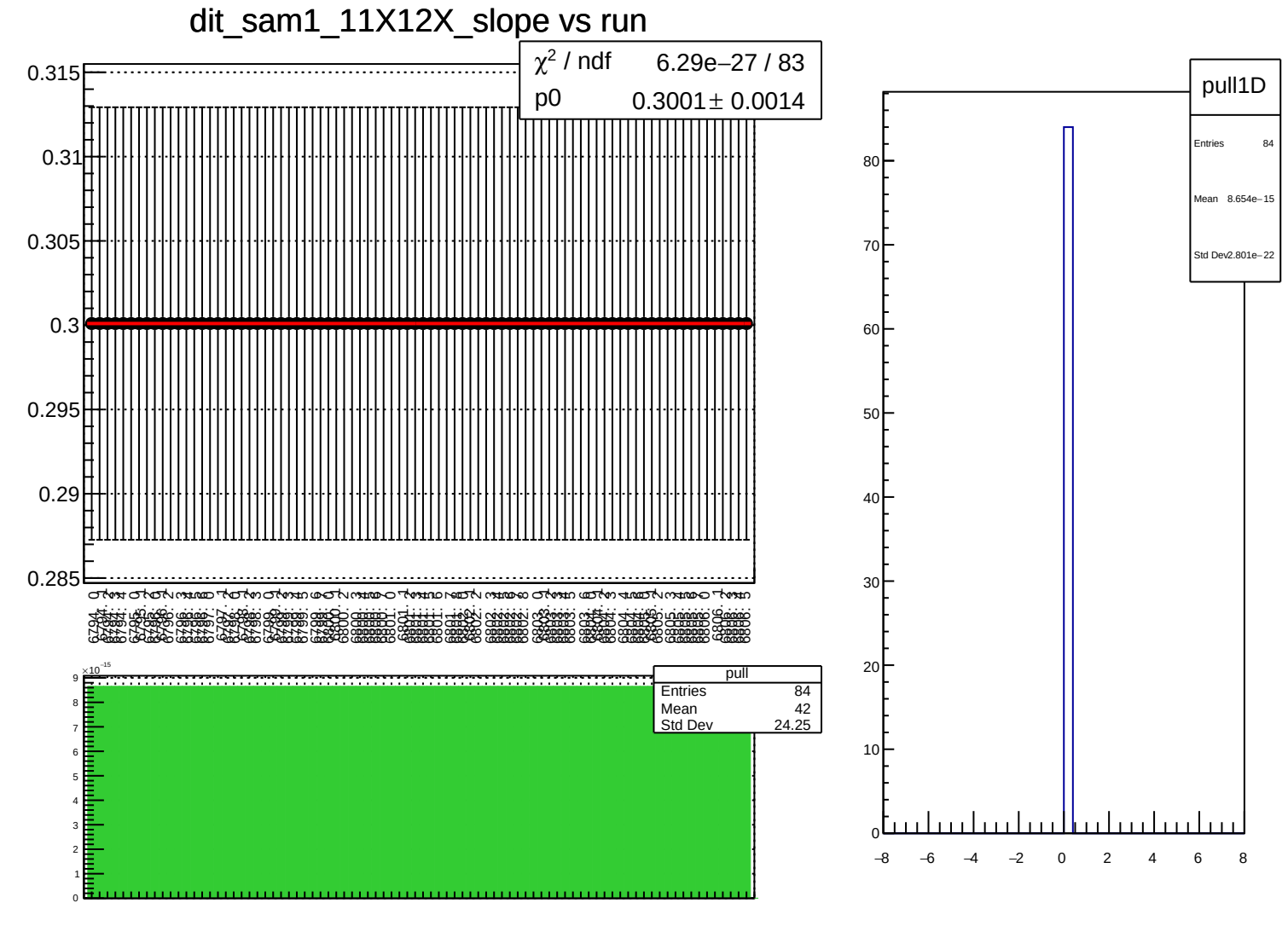

dit_atr2_4aY_slope vs run
χ^2 / ndf 1.514e−27 / 83
p0 2.829 ± 0.137
pull
Entries 84
Mean 42
Std Dev 24.25

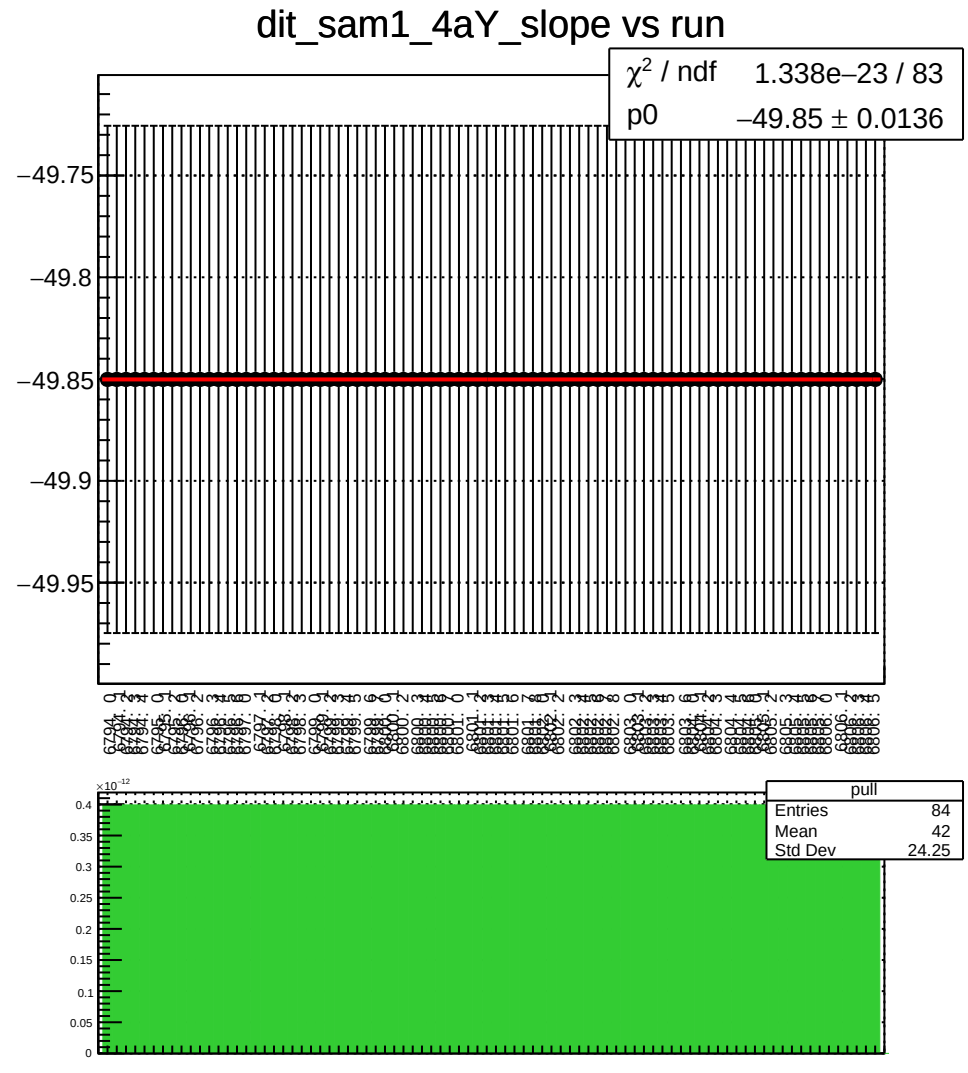

pull1D
Entries 84
Mean −4.245e−15
Std Dev1.401e−22

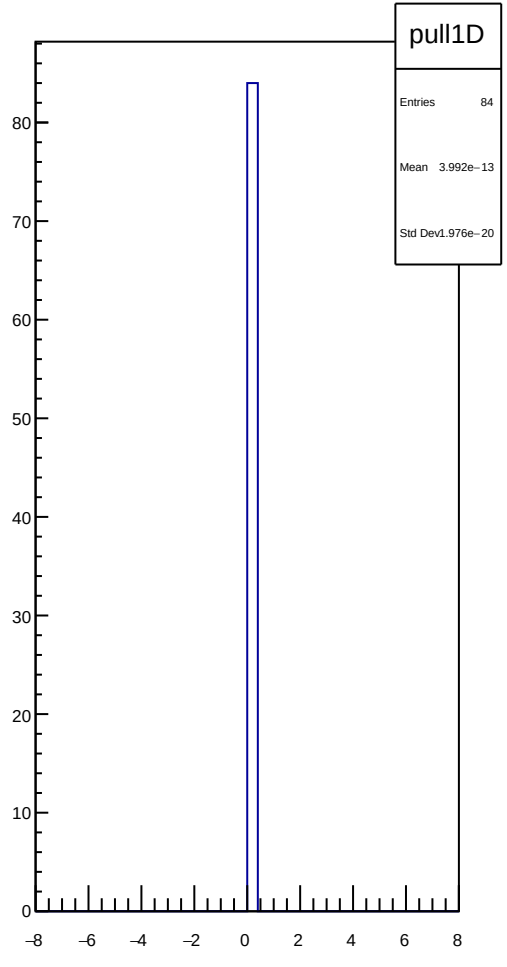

dit_atr2_4eY_slope vs run
χ^2 / ndf 5.119e−25 / 83
p0 118.7 ± 0.1589
120
119.5
119
118.5
118
117.5
117
pull
Entries 84
Mean 42
Std Dev 24.25
pull1D
Entries 84
Mean 7.806e−14
Std Dev4.561e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

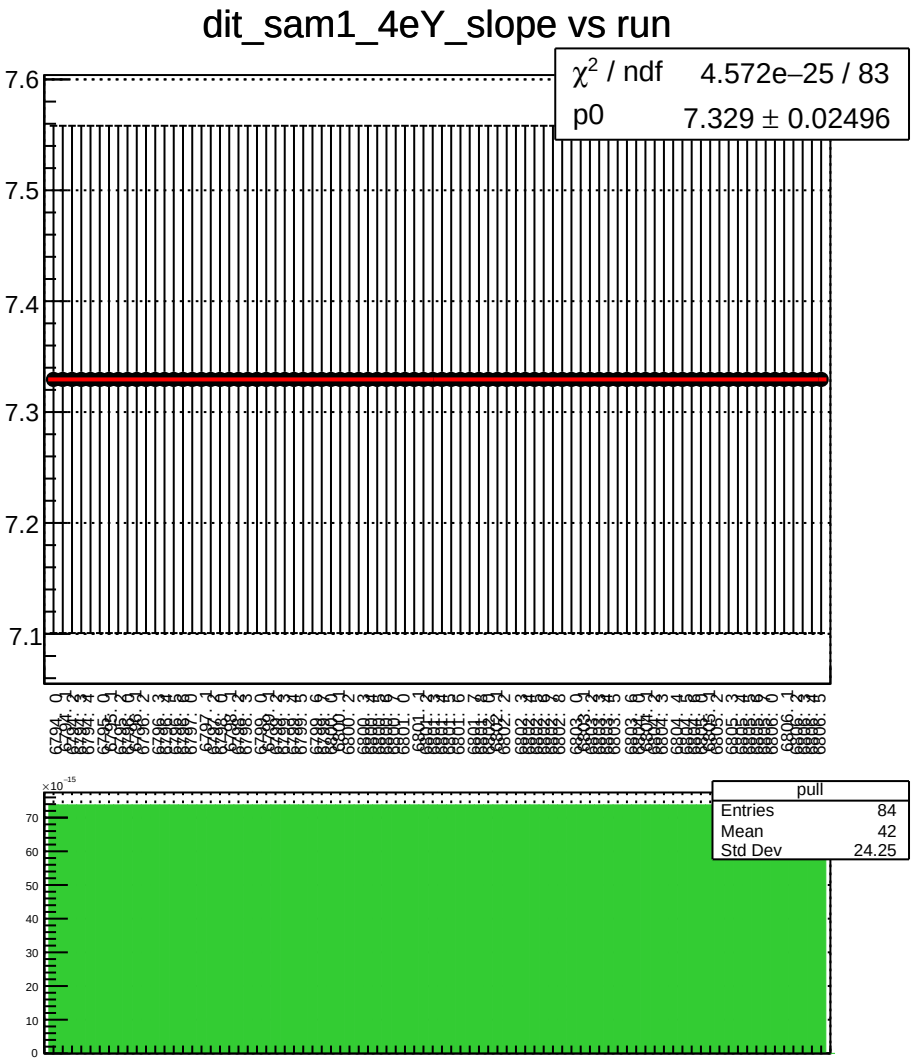

dit_sam1_4aX_slope vs run
χ² / ndf 3.147e−27 / 83
p0 1.144 ± 0.04749
1.6
1.4
1.2
1
0.8
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
pull1D
Entries 84
Mean −6.121e−15
Std Dev1.297e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

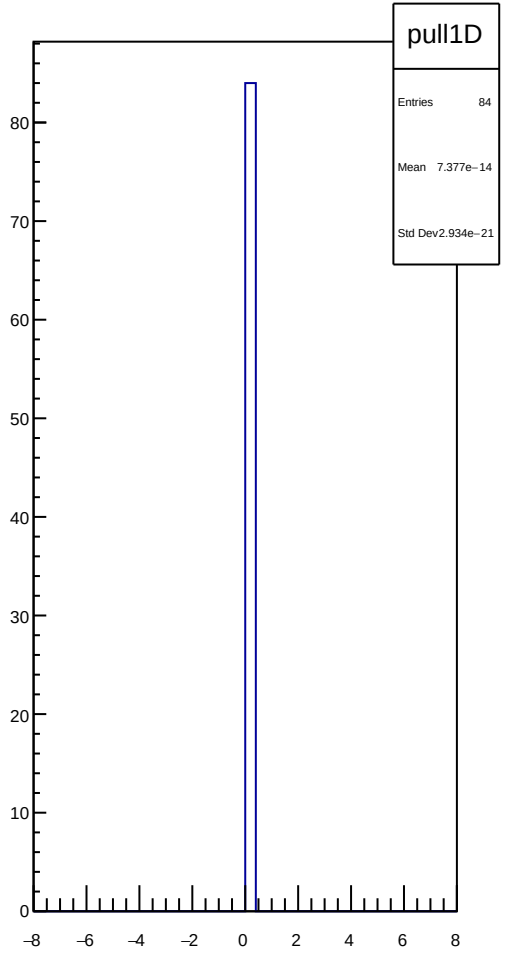

dit_sam1_4eX_slope vs run
χ² / ndf 3.122e−25 / 83
p0 −14.99 ± 0.03815
−14.6
−14.7
−14.8
−14.9
−15
−15.1
−15.2
−15.3
−15.4
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
pull1D
Entries 84
Mean −6.097e−14
Std Dev2.809e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

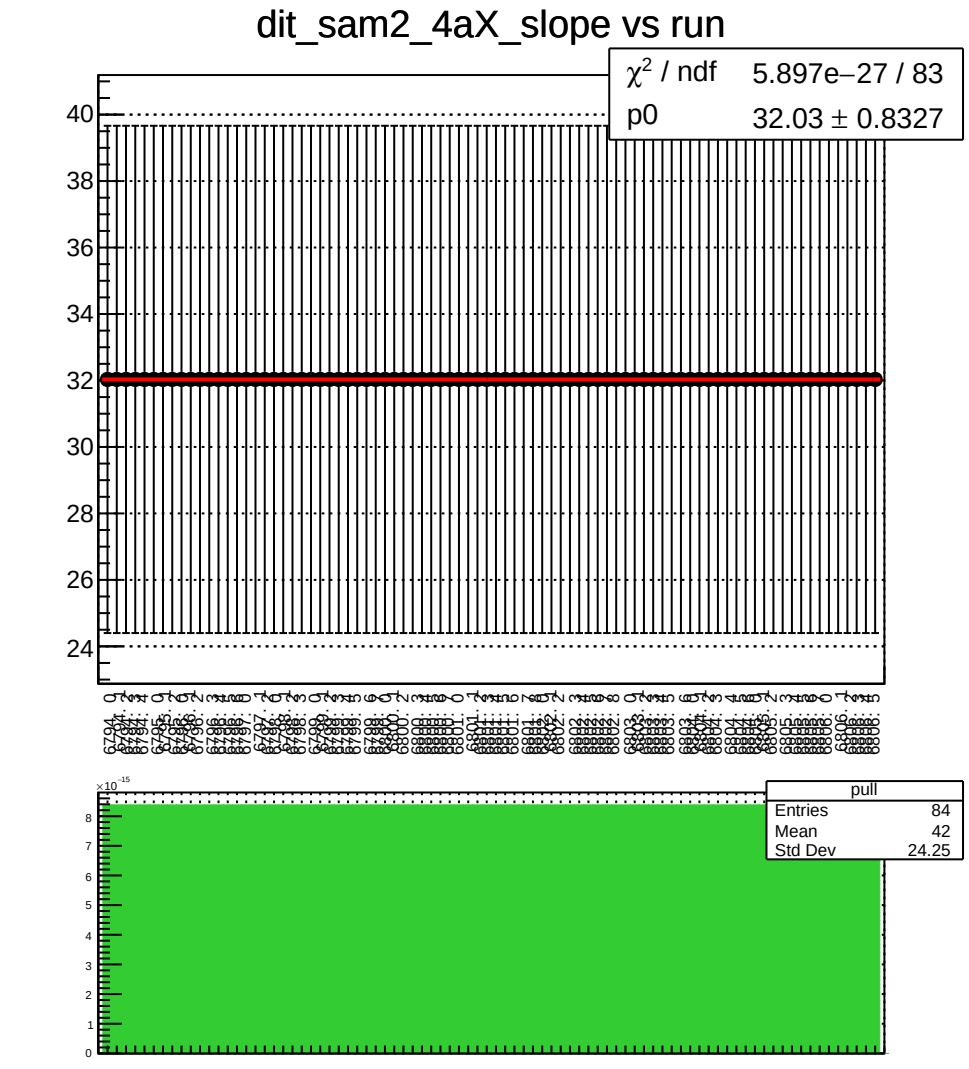

dit_sam1_11X12X_slope vs run
χ² / ndf 6.29e−27 / 83
p0 0.3001 ± 0.0014
0.315
0.31
0.305
0.3
0.295
0.29
0.285
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
pull1D
Entries 84
Mean 8.654e−15
Std Dev 2.801e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

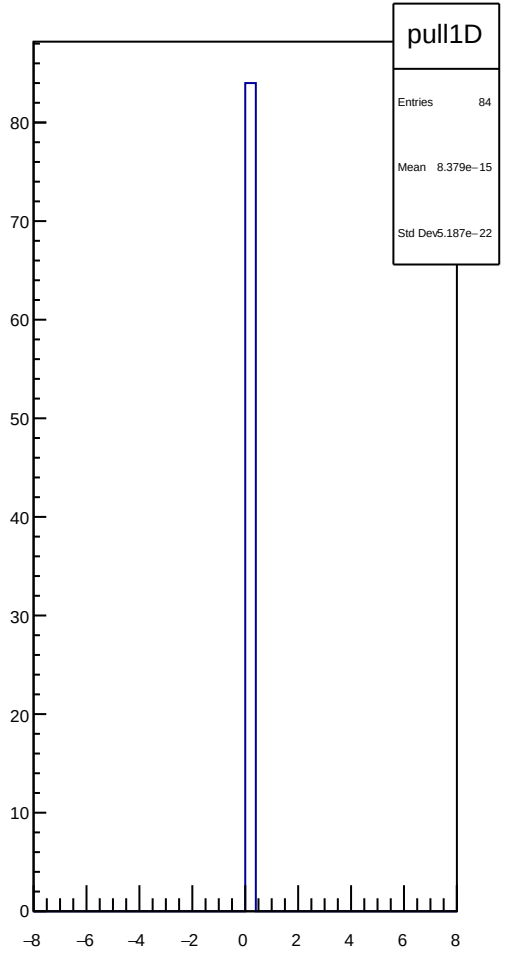

dit_sam1_4aY_slope vs run
χ² / ndf 1.338e−23 / 83
p0 −49.85 ± 0.0136
−49.75
−49.8
−49.85
−49.9
−49.95
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0

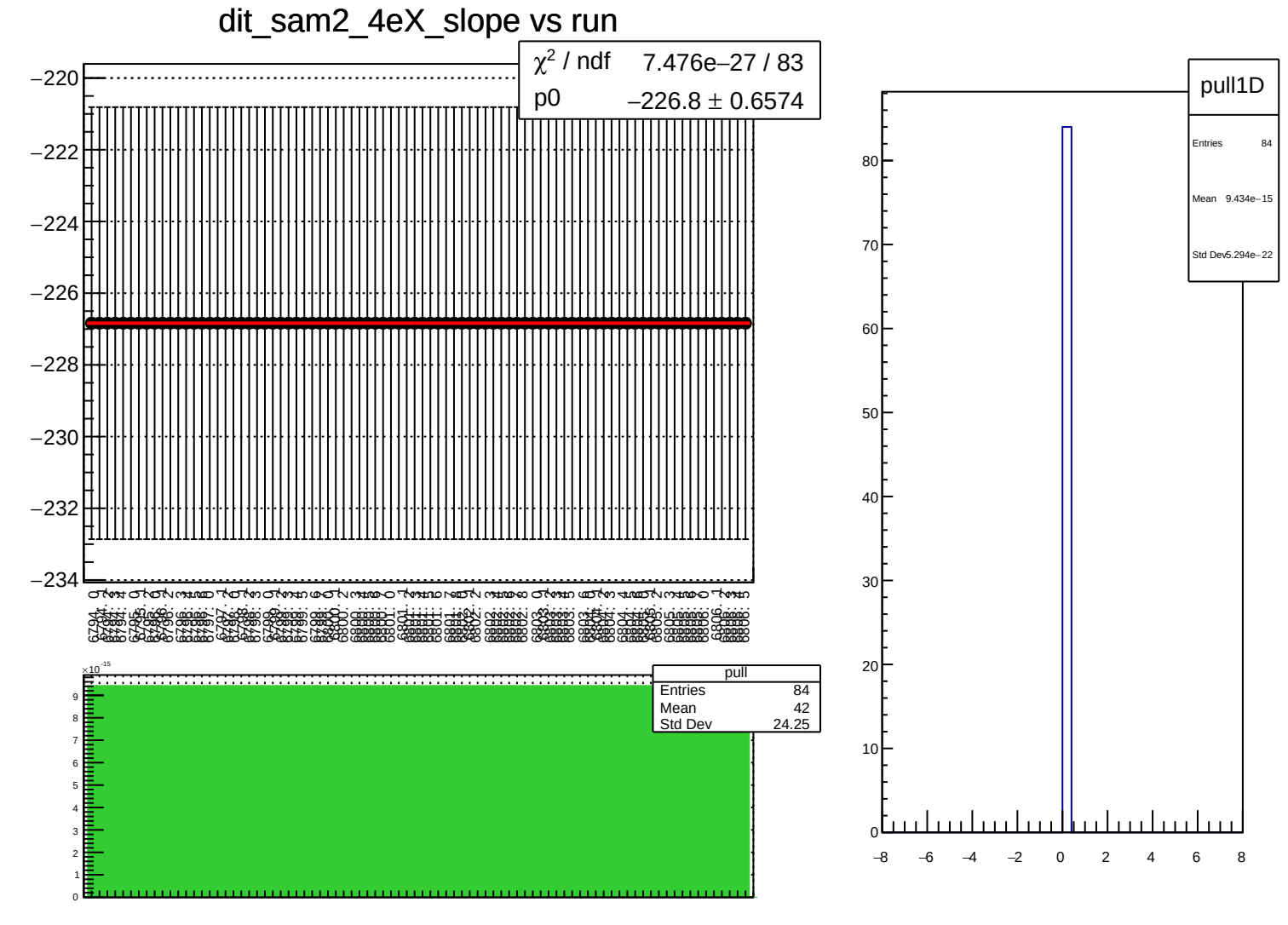

pull1D
Entries 84
Mean 3.992e−13
Std Dev1.976e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

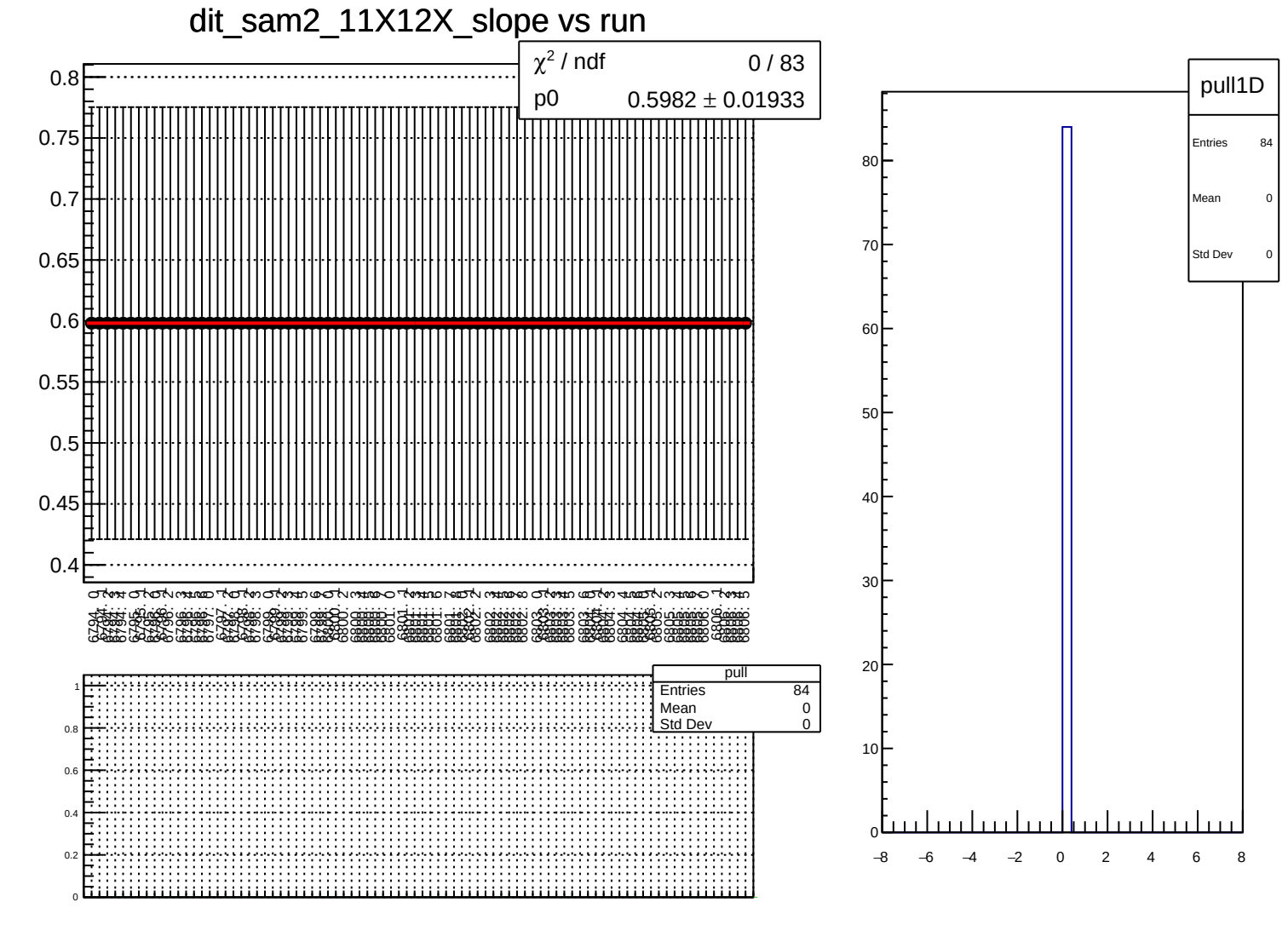

dit_sam1_4eY_slope vs run
χ² / ndf 4.572e−25 / 83
p0 7.329 ± 0.02496
7.6
7.5
7.4
7.3
7.2
7.1
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
70
60
50
40
30
20
10
0

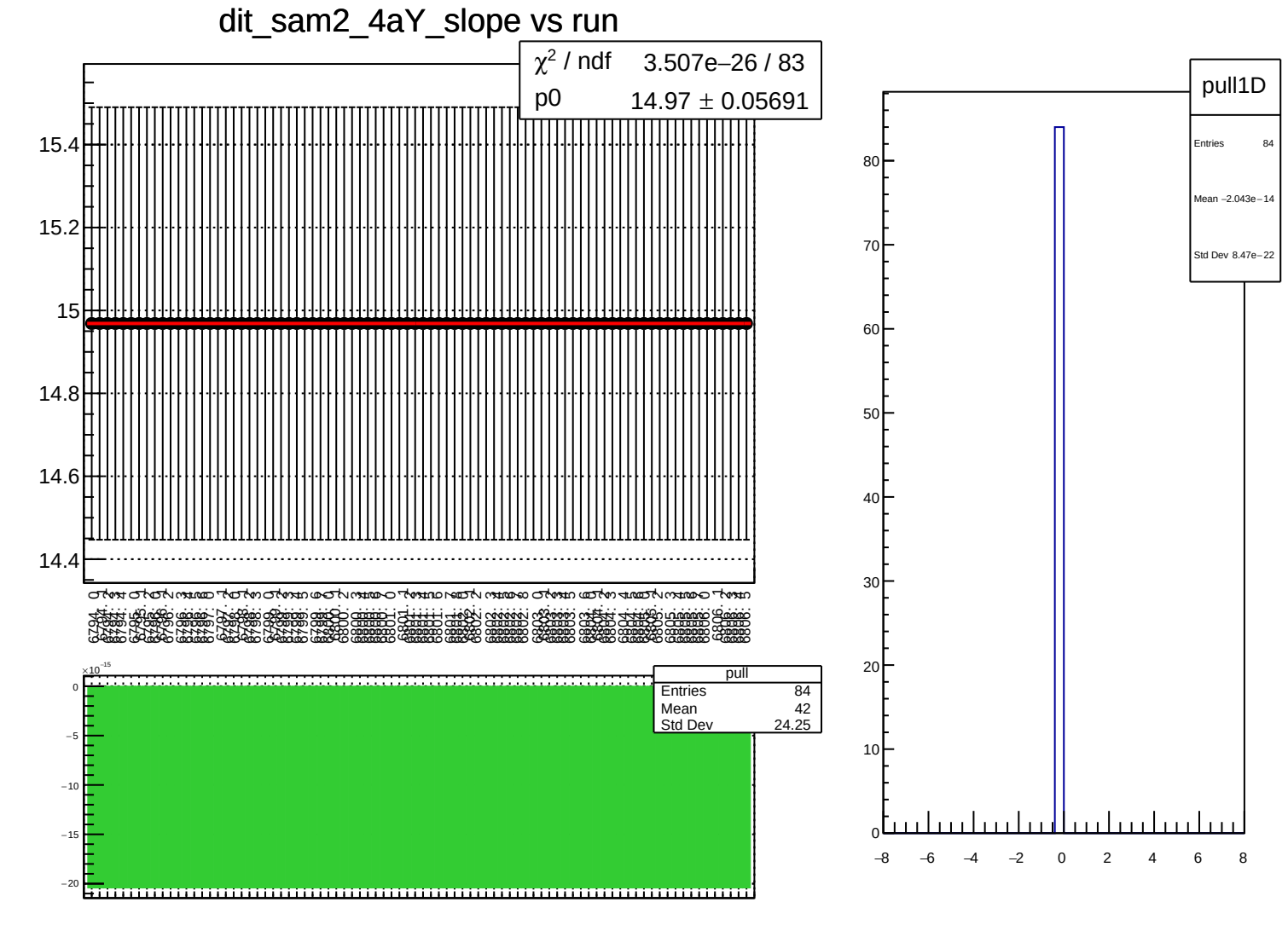

pull1D
Entries 84
Mean 7.377e−14
Std Dev2.934e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

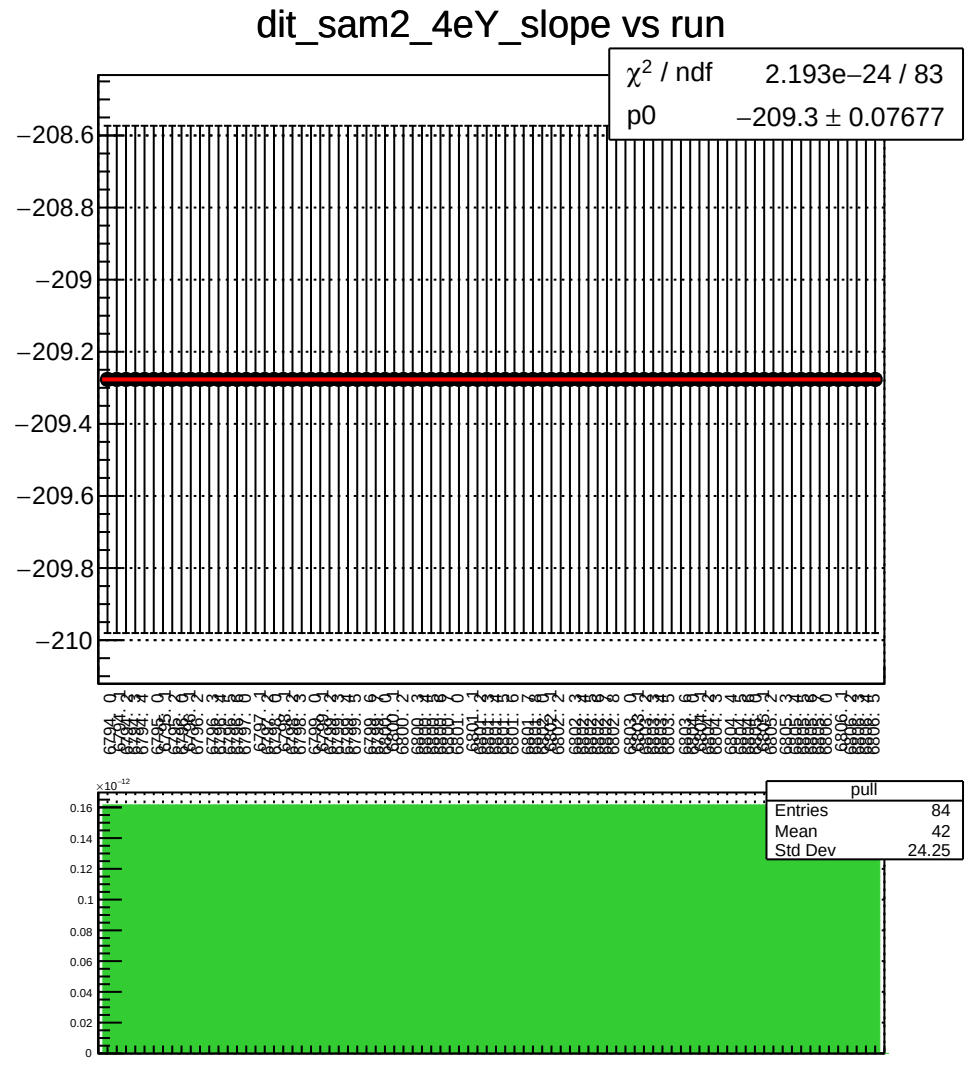

dit_sam2_4aX_slope vs run
χ² / ndf 5.897e−27 / 83
p0 32.03 ± 0.8327
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵

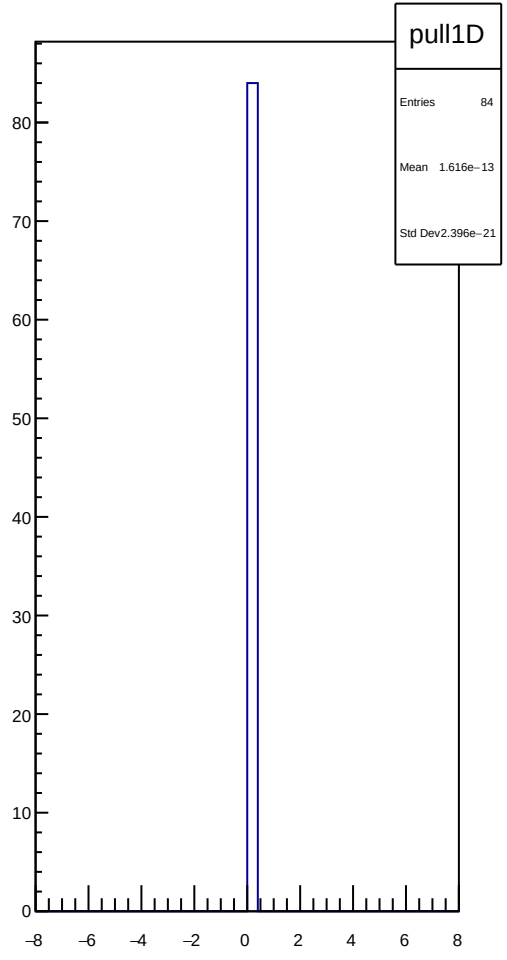

pull1D
Entries 84
Mean 8.379e−15
Std Dev 5.187e−22

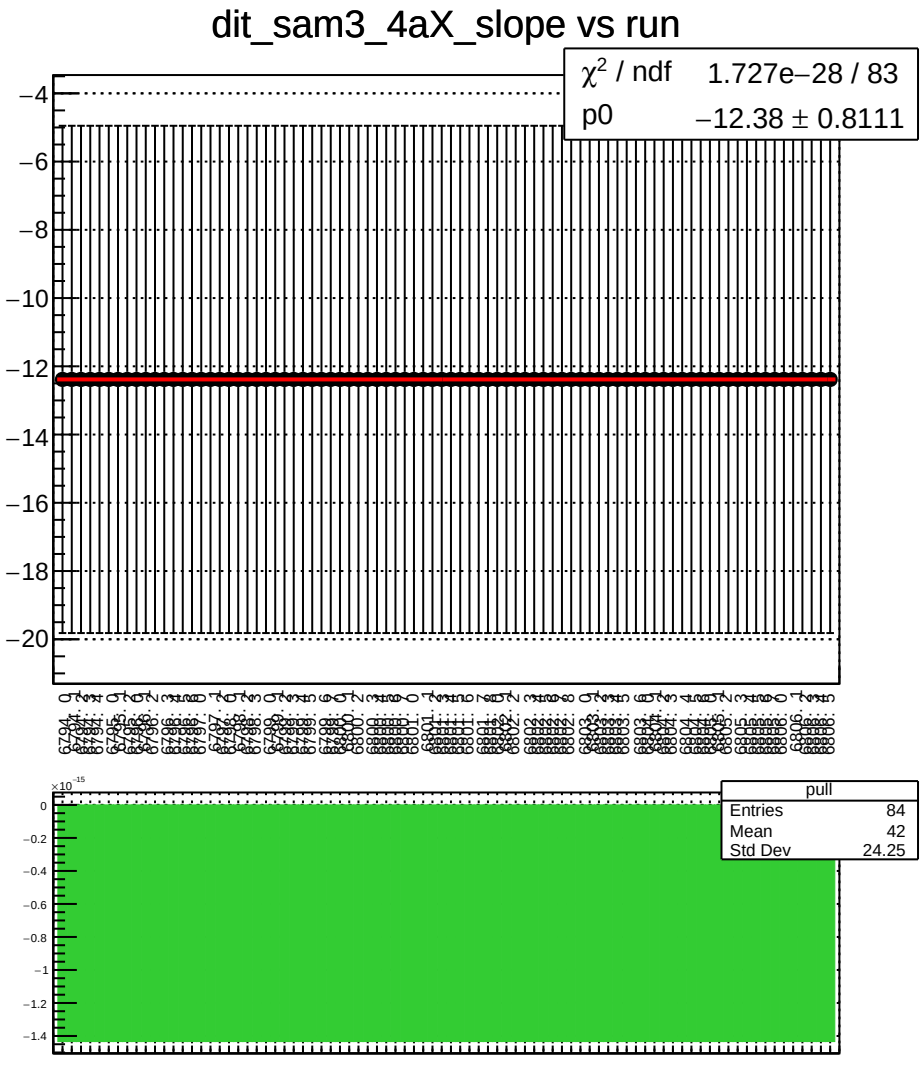

dit_sam2_4eX_slope vs run
χ² / ndf 7.476e−27 / 83
p0 −226.8 ± 0.6574
pull
Entries 84
Mean 42
Std Dev 24.25
pull1D
Entries 84
Mean 9.434e−15
Std Dev 5.294e−22

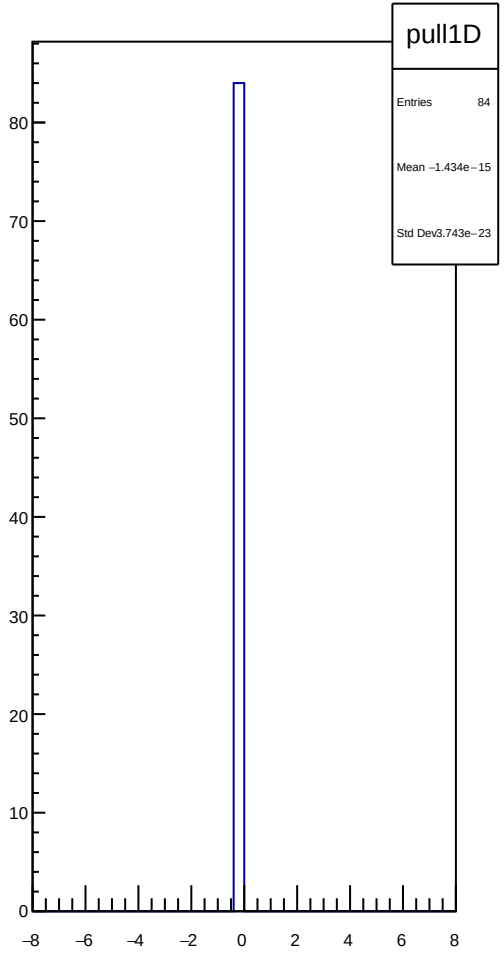

dit_sam2_11X12X_slope vs run
χ² / ndf 0 / 83
p0 0.5982 ± 0.01933
pull
Entries 84
Mean 0
Std Dev 0
pull1D
Entries 84
Mean 0
Std Dev 0

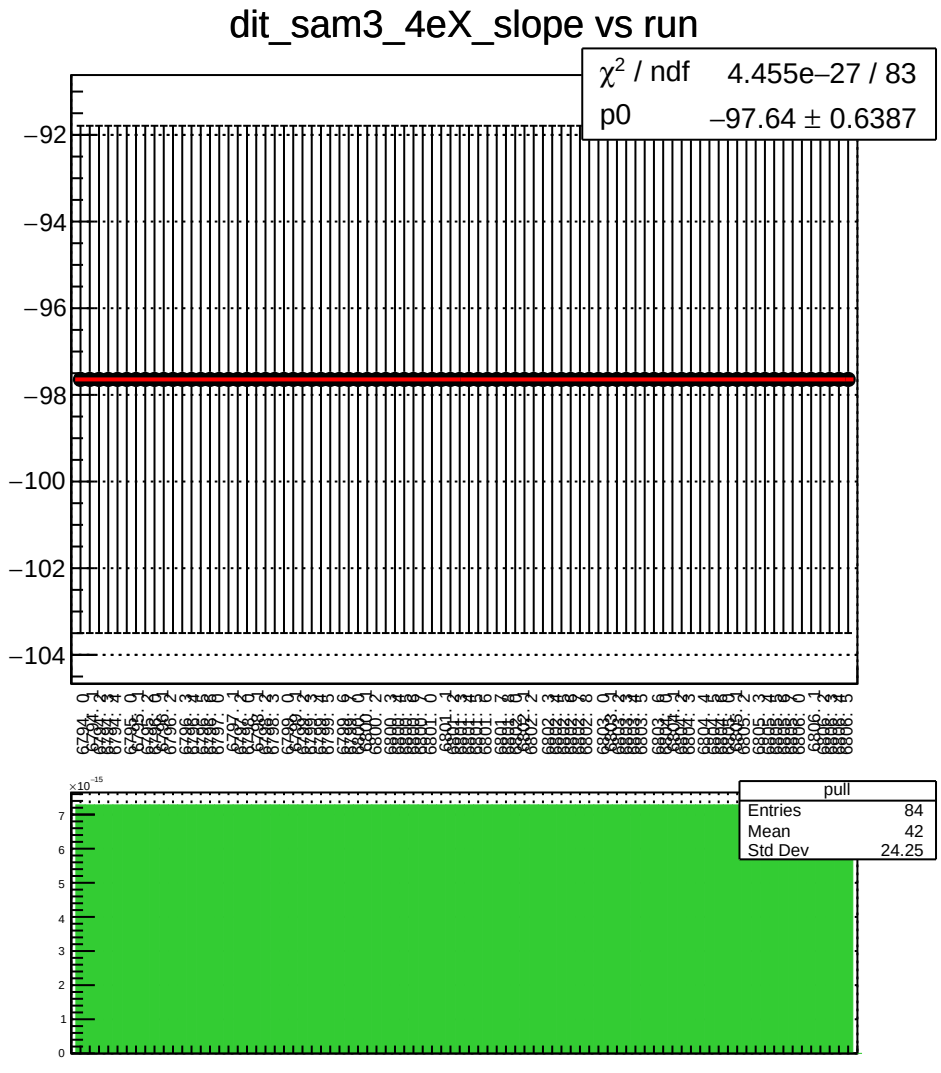

dit_sam2_4aY_slope vs run
χ² / ndf 3.507e−26 / 83
p0 14.97 ± 0.05691
15.4
15.2
15
14.8
14.6
14.4
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−5
−10
−15
−20
pull1D
Entries 84
Mean −2.043e−14
Std Dev 8.47e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

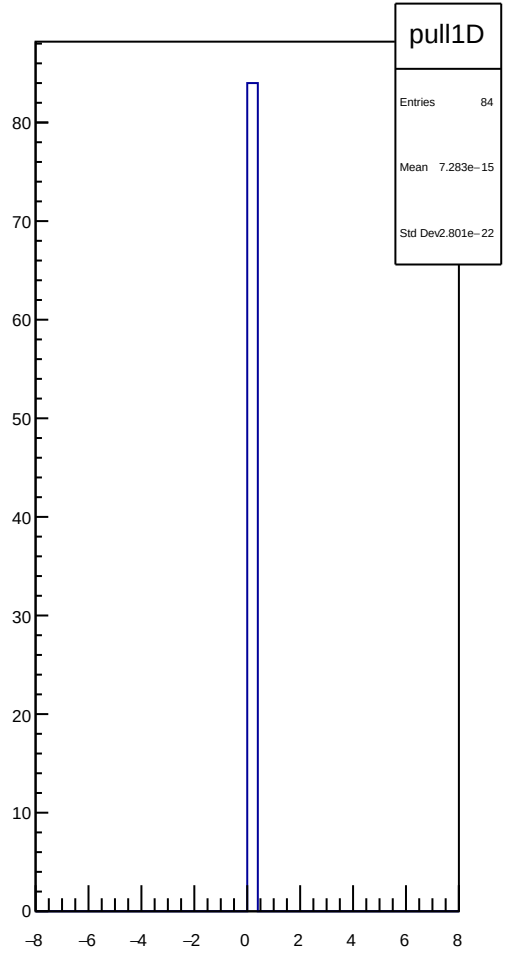

dit_sam2_4eY_slope vs run
χ² / ndf 2.193e−24 / 83
p0 −209.3 ± 0.07677
−208.6
−208.8
−209
−209.2
−209.4
−209.6
−209.8
−210
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

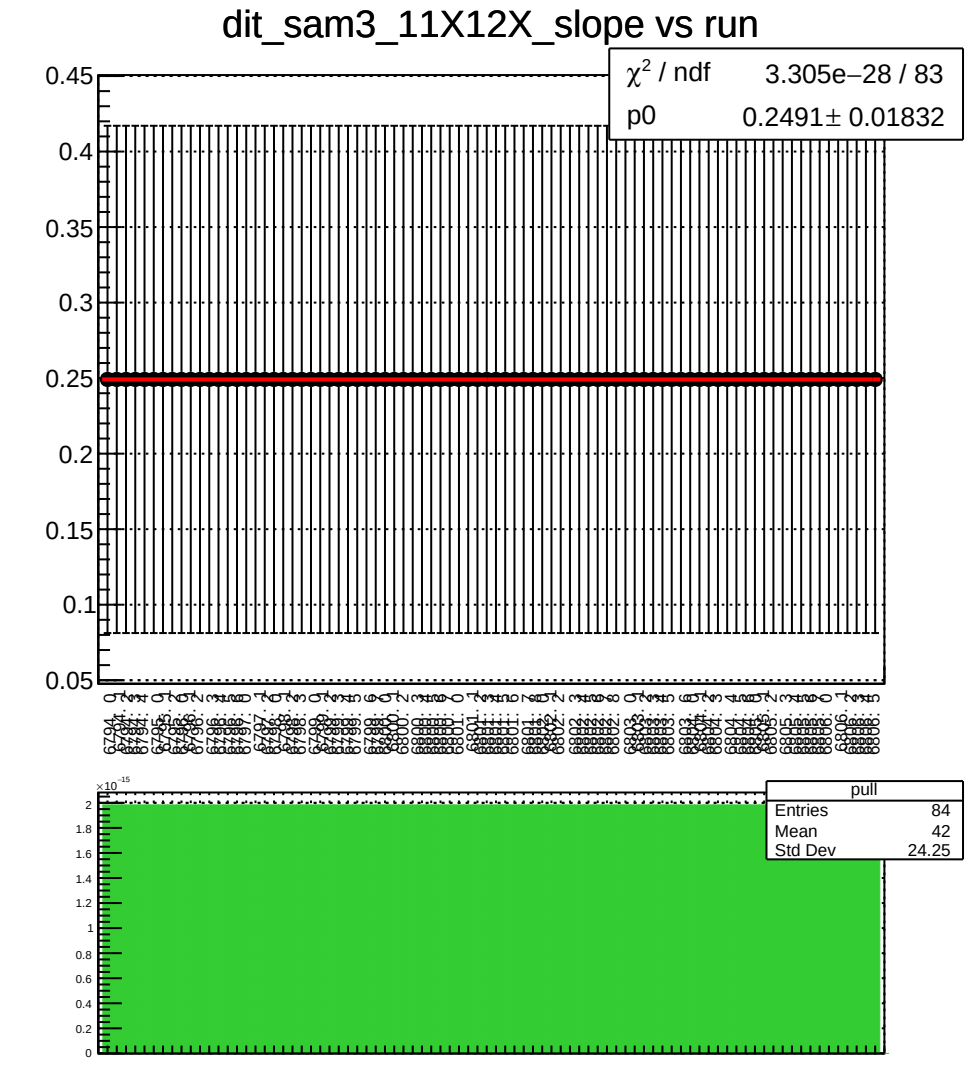

pull1D
Entries 84
Mean 1.616e−13
Std Dev2.396e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

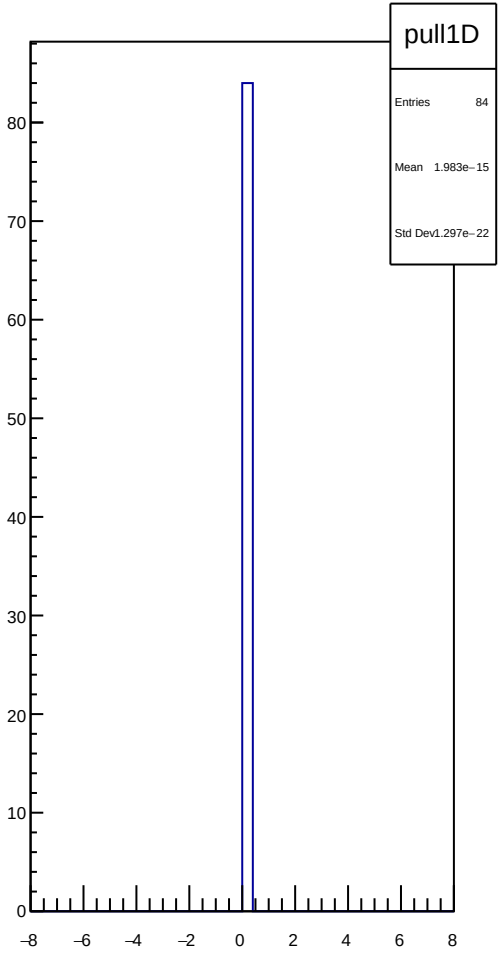

dit_sam3_4aX_slope vs run
χ² / ndf 1.727e−28 / 83
p0 −12.38 ± 0.8111
pull
Entries 84
Mean 42
Std Dev 24.25

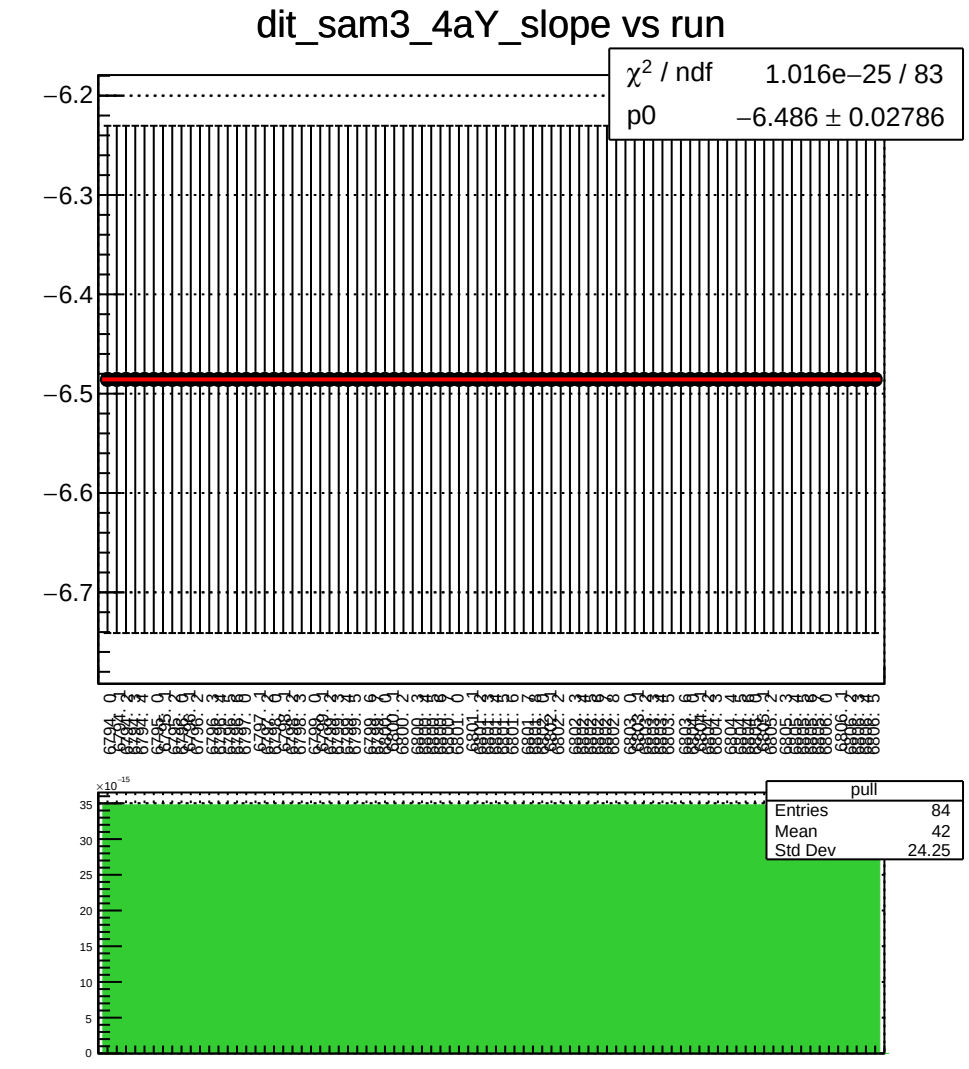

pull1D
Entries 84
Mean −1.434e−15
Std Dev 3.743e−23

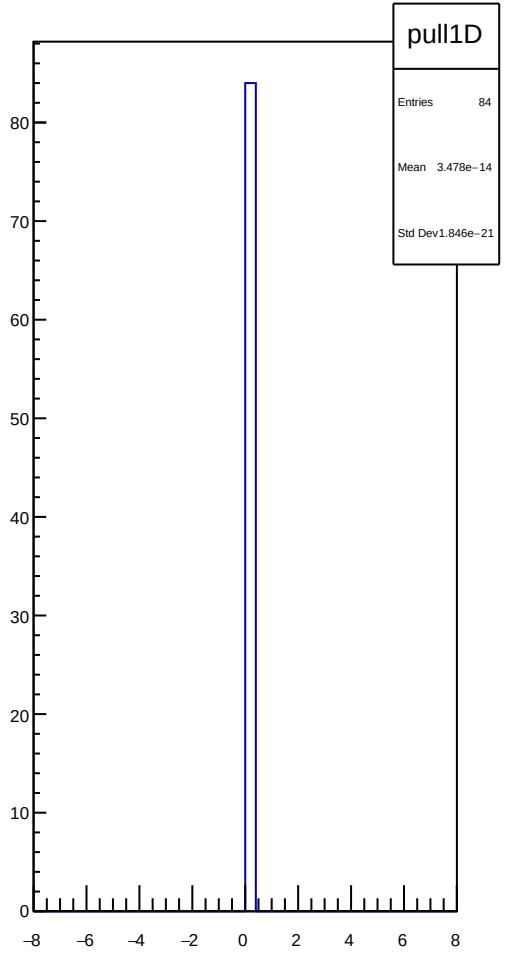

dit_sam3_4eX_slope vs run
χ² / ndf 4.455e−27 / 83
p0 −97.64 ± 0.6387
−92
−94
−96
−98
−100
−102
−104
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
7
6
5
4
3
2
1
0

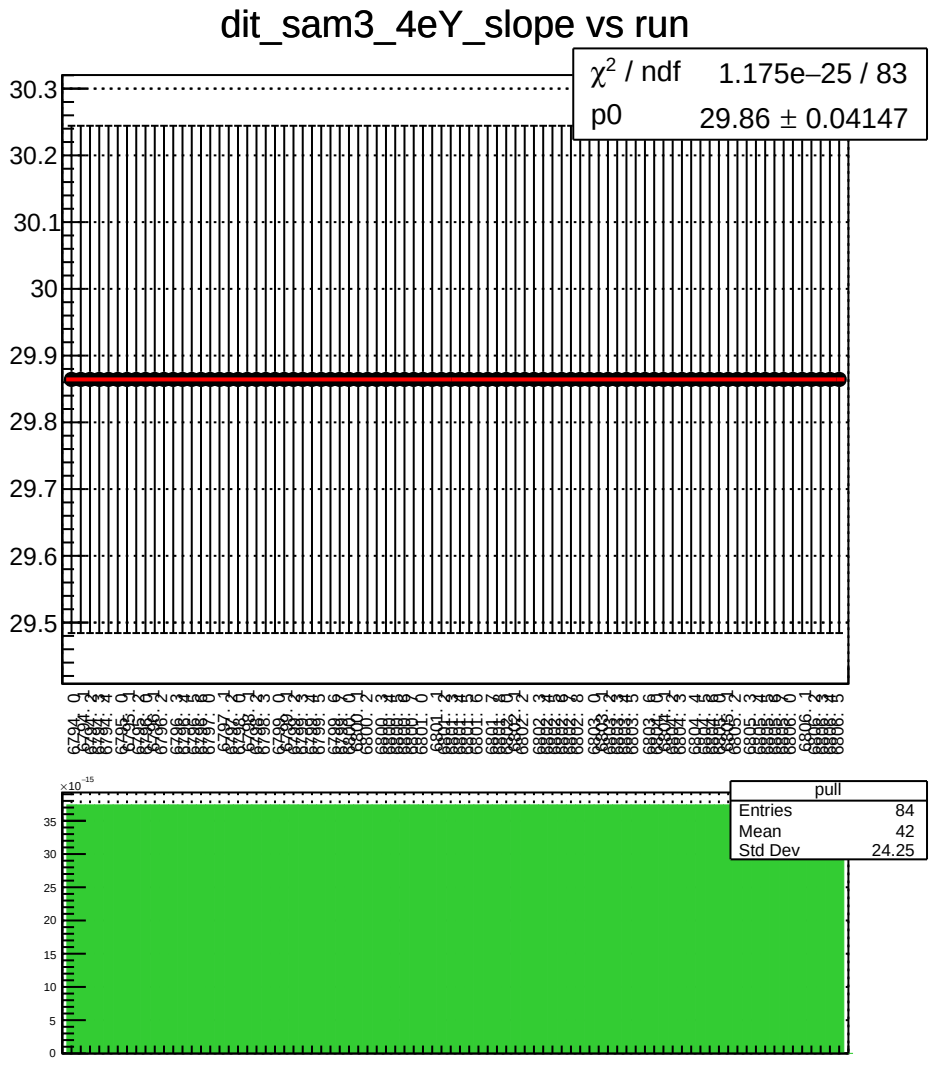

pull1D
Entries 84
Mean 7.283e−15
Std Dev 2.801e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

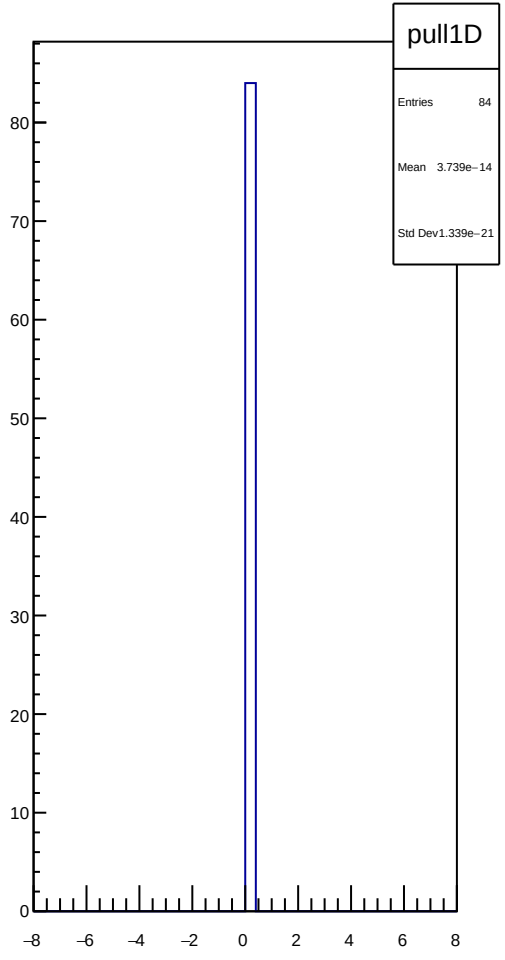

dit_sam3_11X12X_slope vs run
χ² / ndf 3.305e−28 / 83
p0 0.2491± 0.01832
pull
Entries 84
Mean 42
Std Dev 24.25

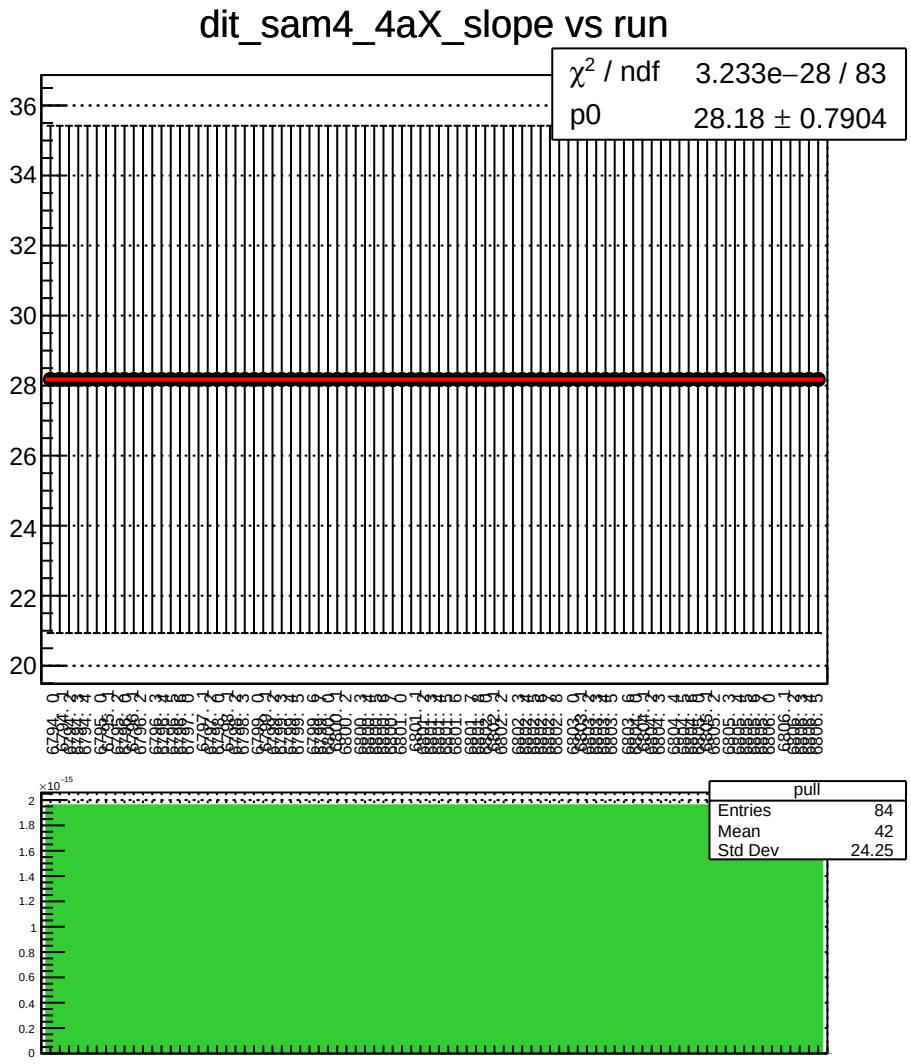

pull1D
Entries 84
Mean 1.983e−15
Std Dev1.297e−22

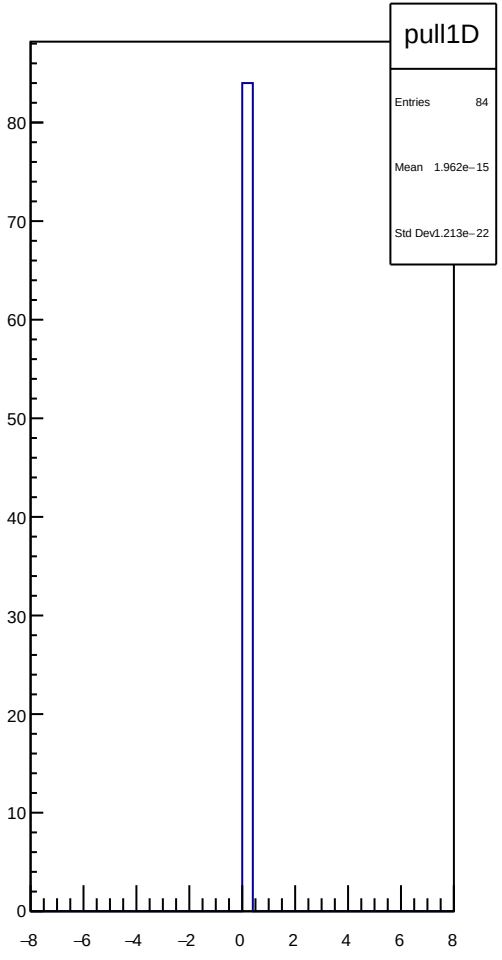

dit_sam3_4aY_slope vs run
χ² / ndf 1.016e−25 / 83
p0 −6.486 ± 0.02786
−6.2
−6.3
−6.4
−6.5
−6.6
−6.7
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
35
30
25
20
15
10
5
0

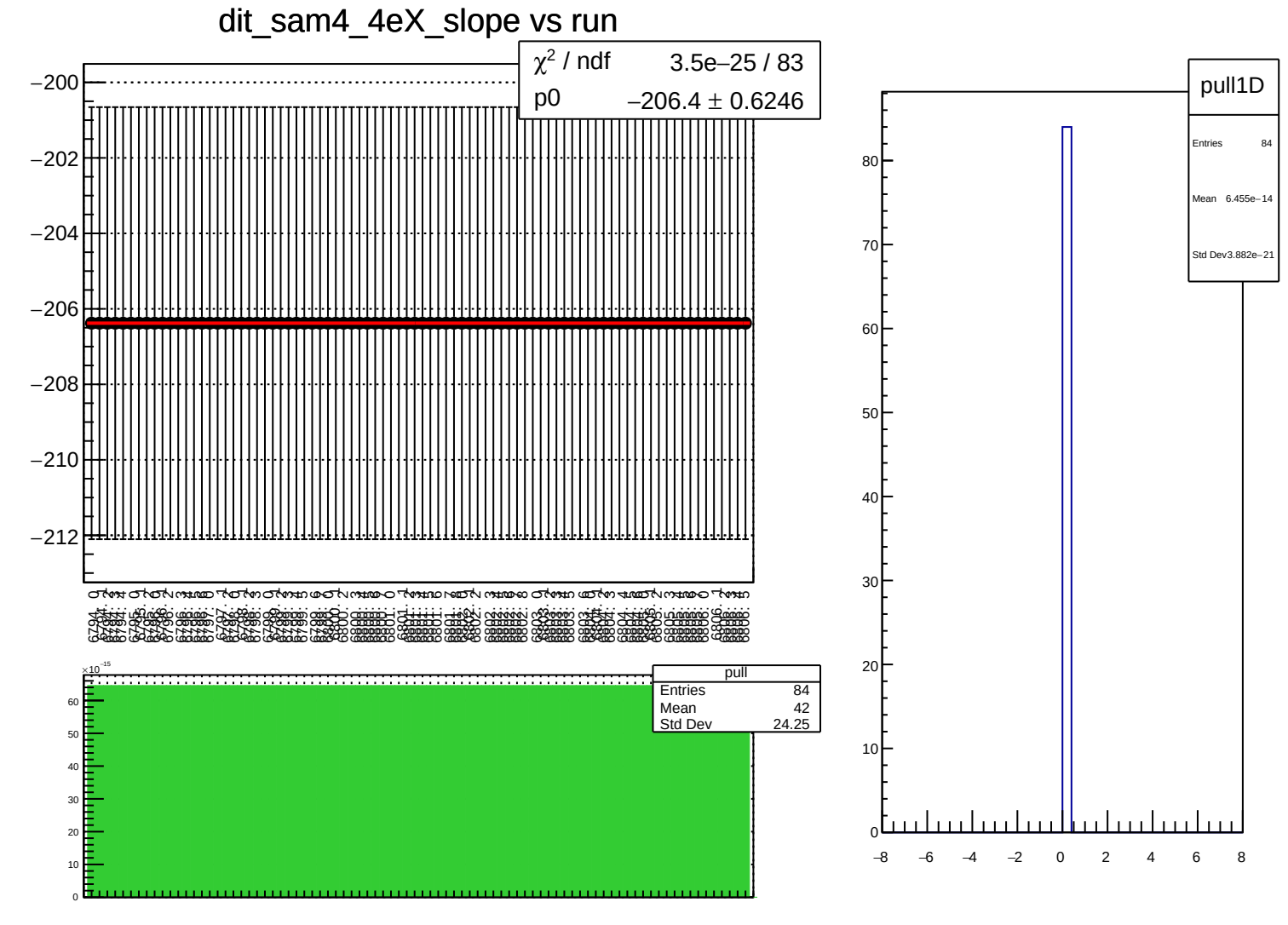

pull1D
Entries 84
Mean 3.478e−14
Std Dev1.846e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

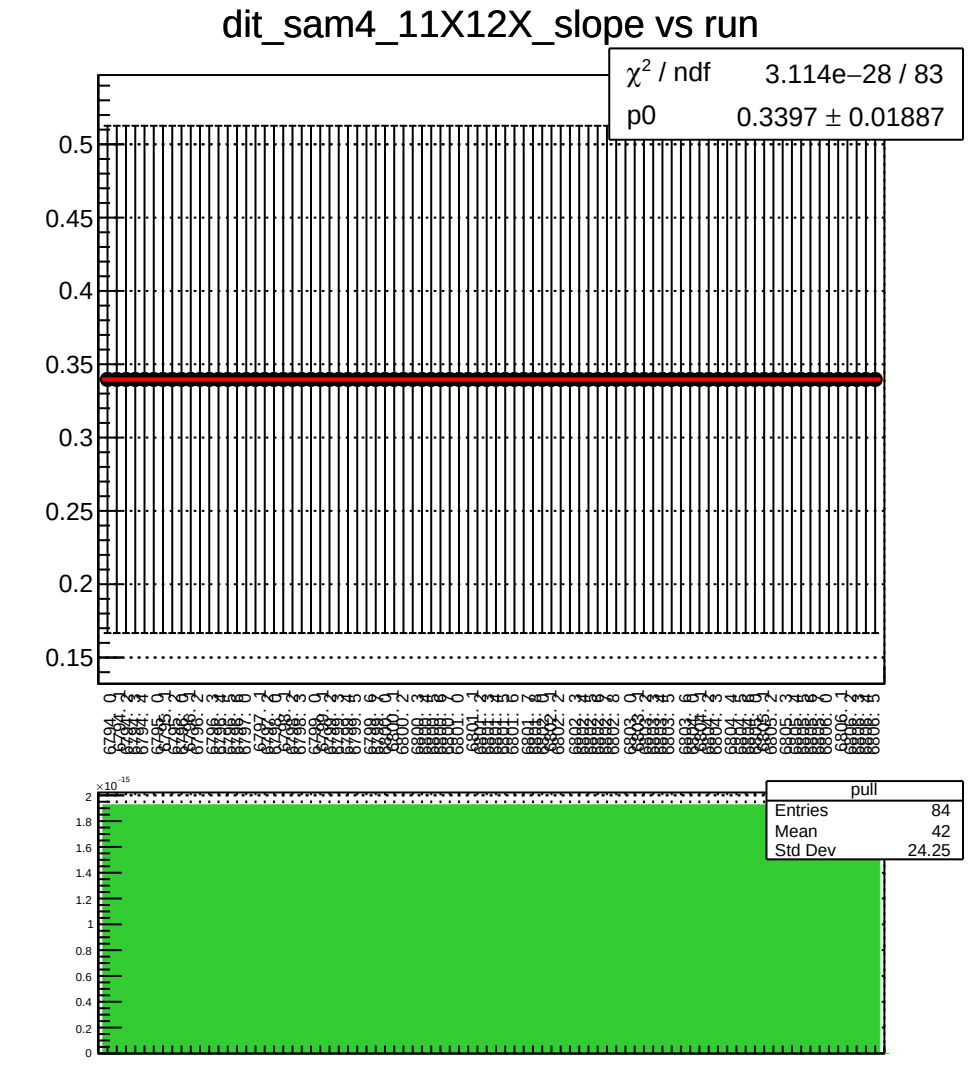

dit_sam3_4eY_slope vs run
χ² / ndf 1.175e−25 / 83
p0 29.86 ± 0.04147
30.3
30.2
30.1
30
29.9
29.8
29.7
29.6
29.5
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
35
30
25
20
15
10
5
0

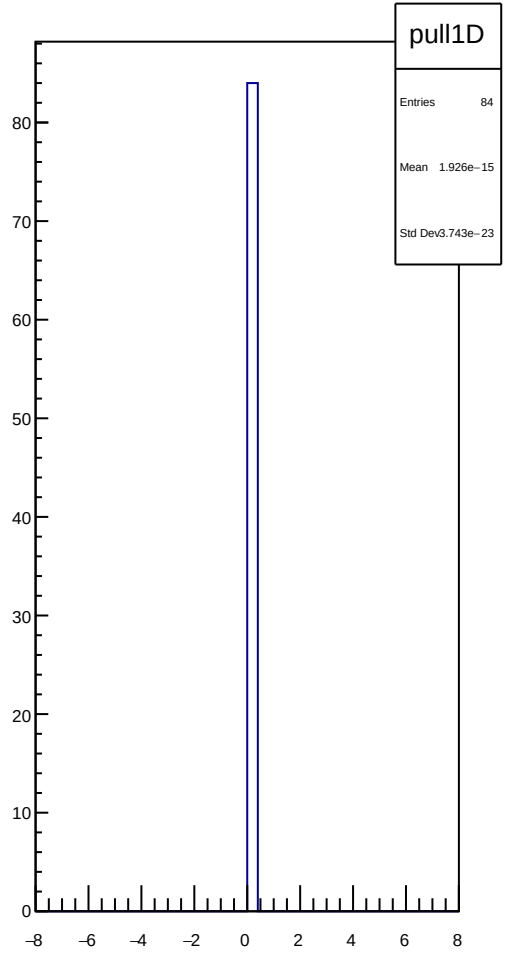

pull1D
Entries 84
Mean 3.739e−14
Std Dev1.339e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

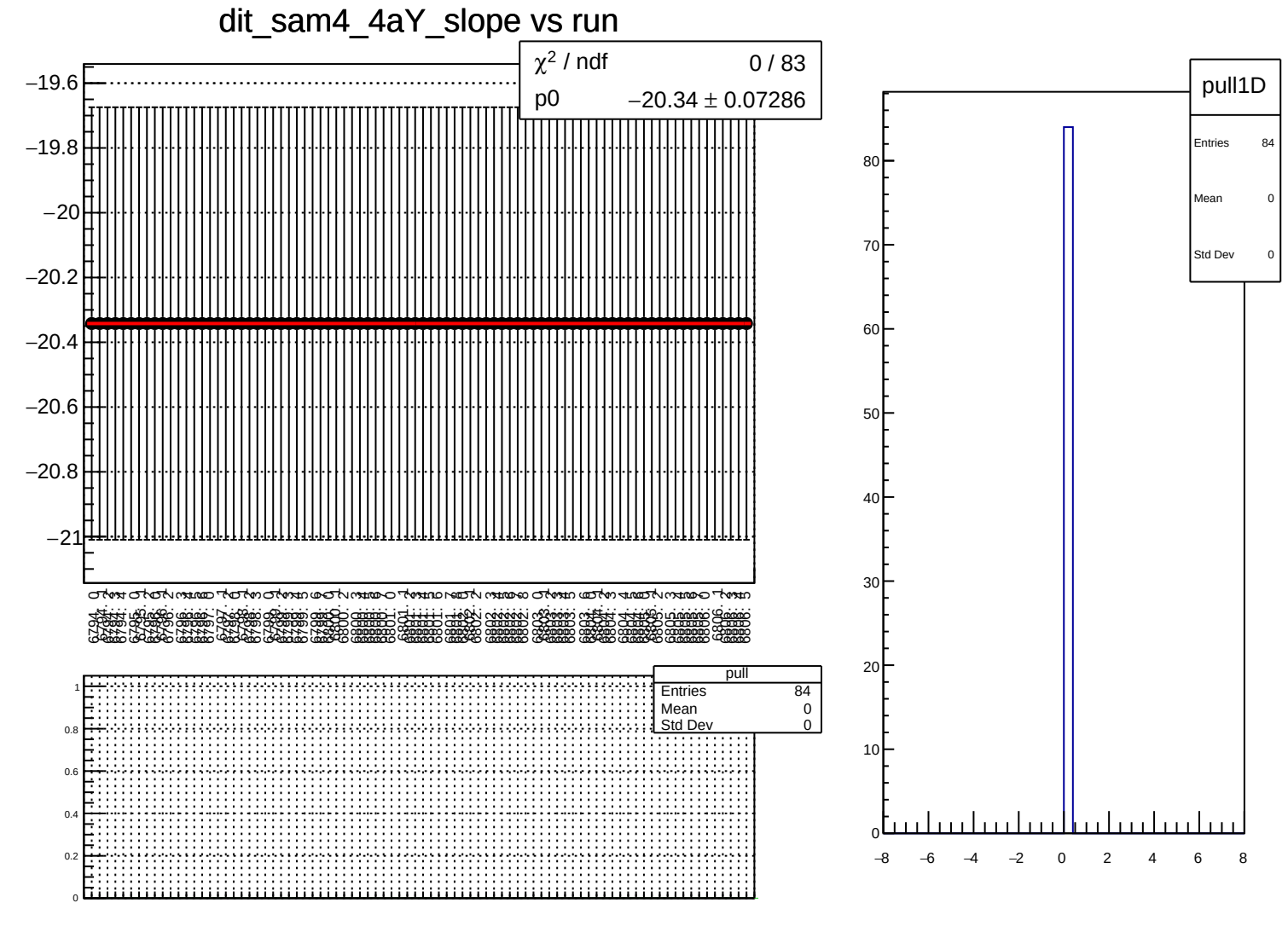

dit_sam4_4aX_slope vs run
χ² / ndf 3.233e−28 / 83
p0 28.18 ± 0.7904
pull
Entries 84
Mean 42
Std Dev 24.25

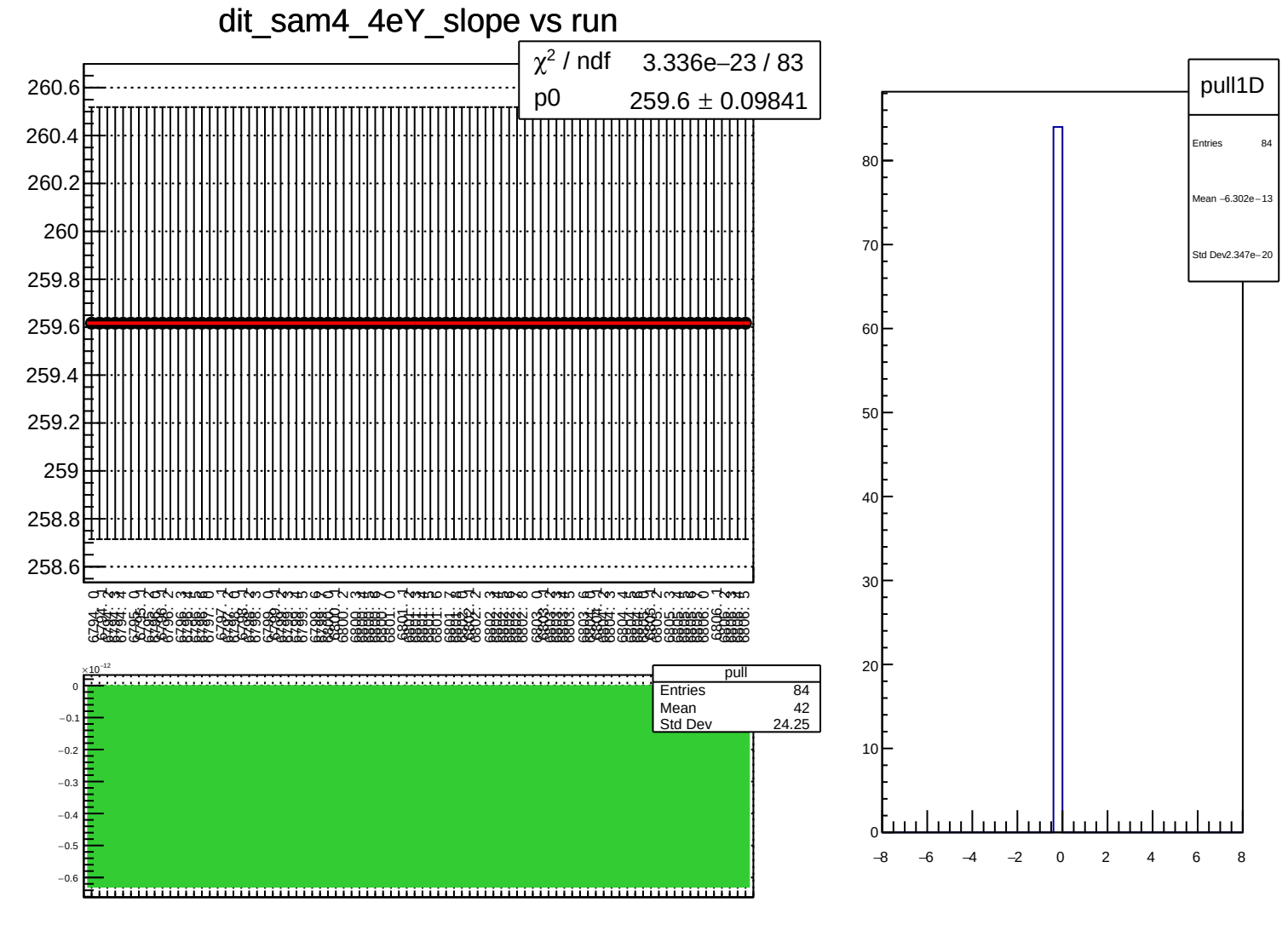

pull1D
Entries 84
Mean 1.962e−15
Std Dev1.213e−22

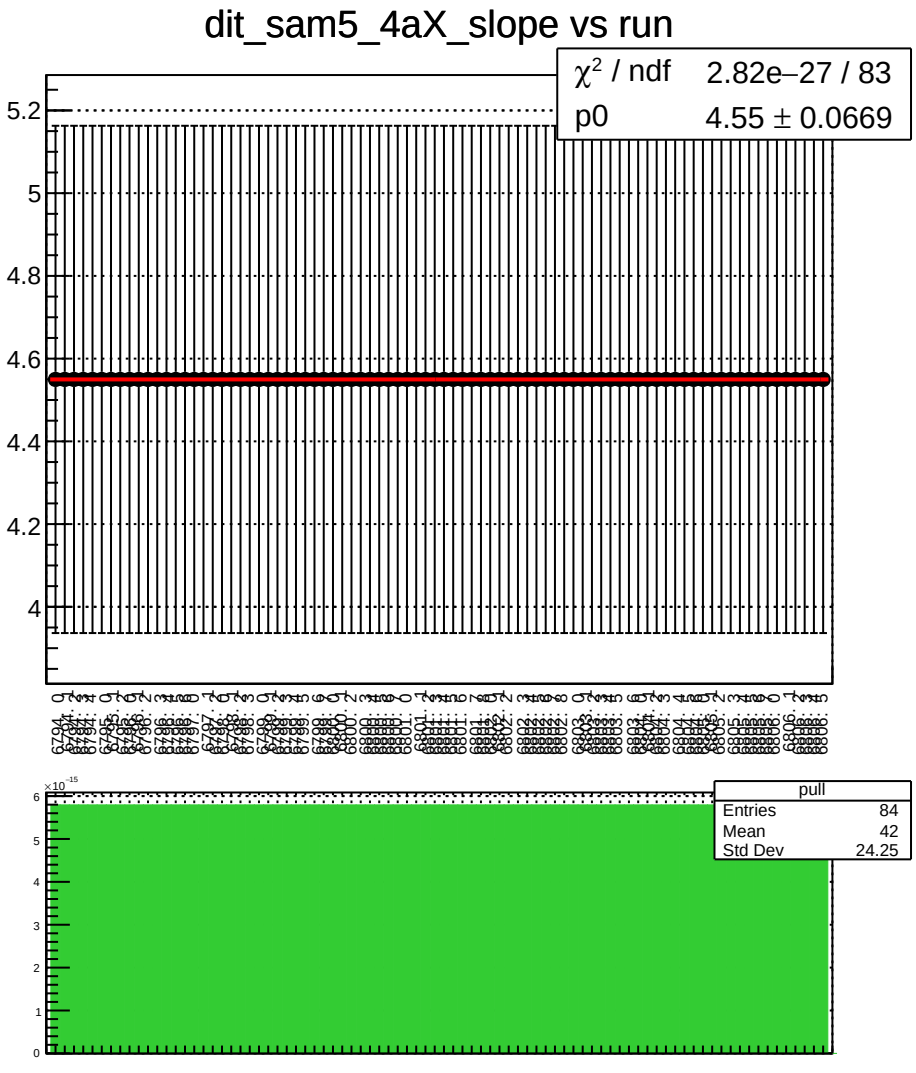

dit_sam4_4eX_slope vs run
χ² / ndf 3.5e−25 / 83
p0 −206.4 ± 0.6246
−200
−202
−204
−206
−208
−210
−212
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
60
50
40
30
20
10
0
pull1D
Entries 84
Mean 6.455e−14
Std Dev3.882e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

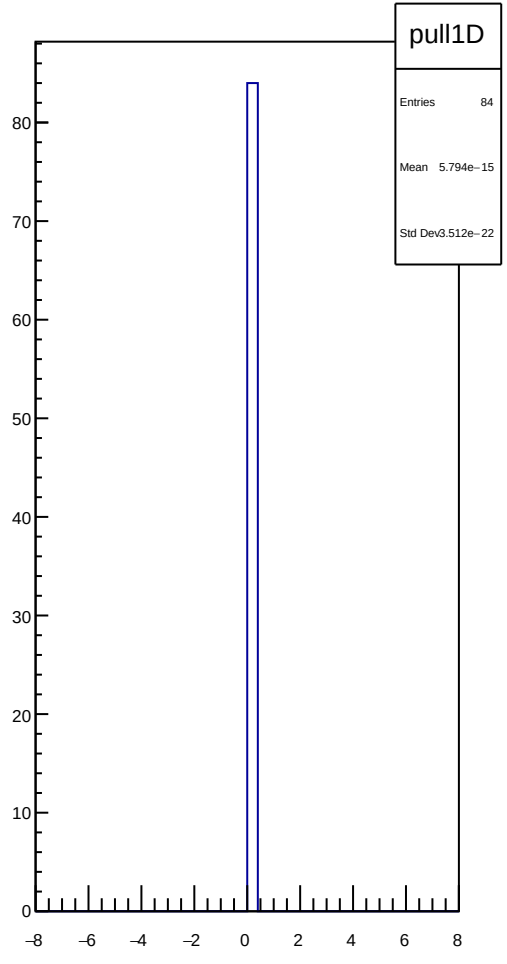

dit_sam4_11X12X_slope vs run
χ² / ndf 3.114e−28 / 83
p0 0.3397 ± 0.01887
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵

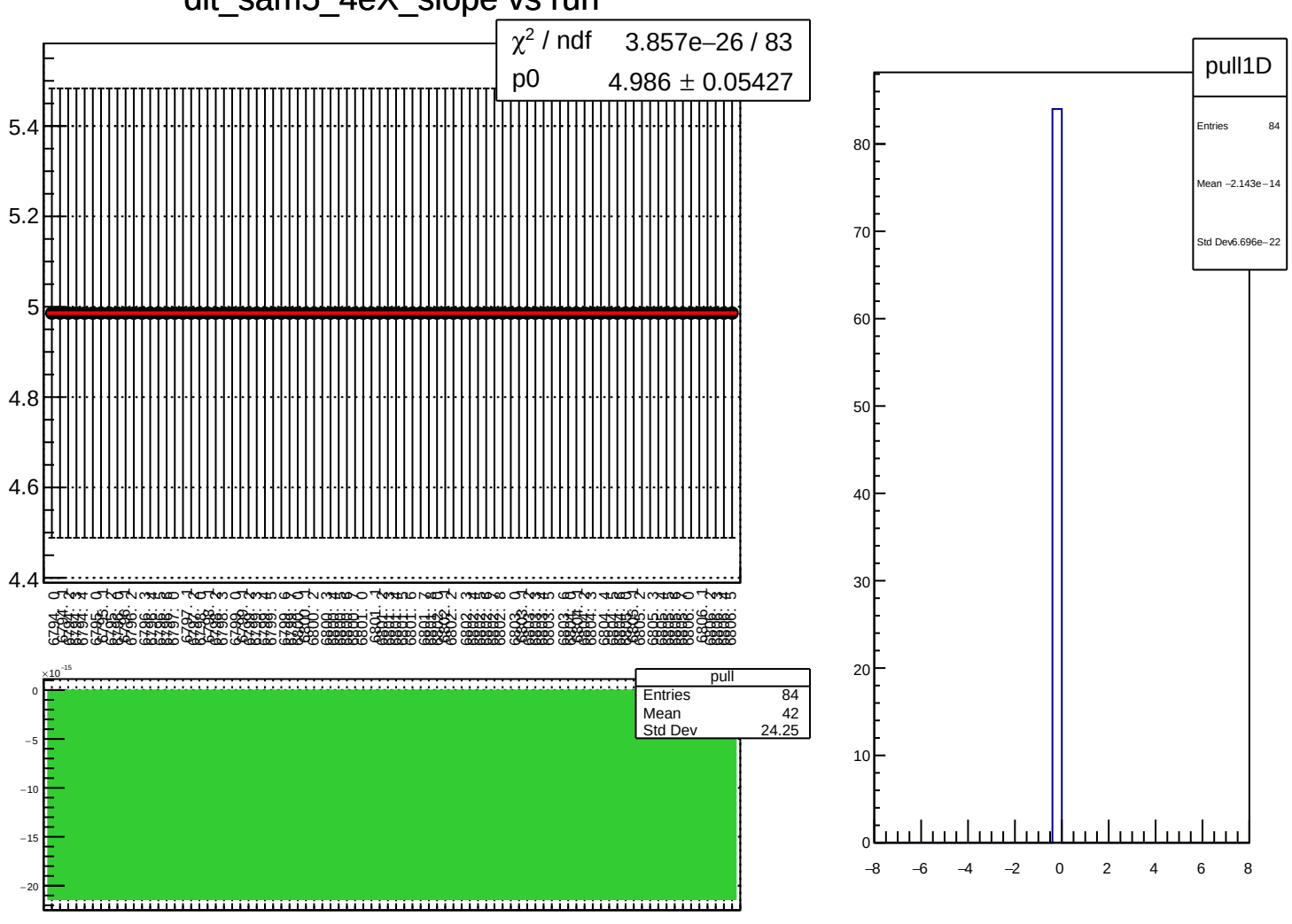

pull1D
Entries 84
Mean 1.926e−15
Std Dev 3.743e−23

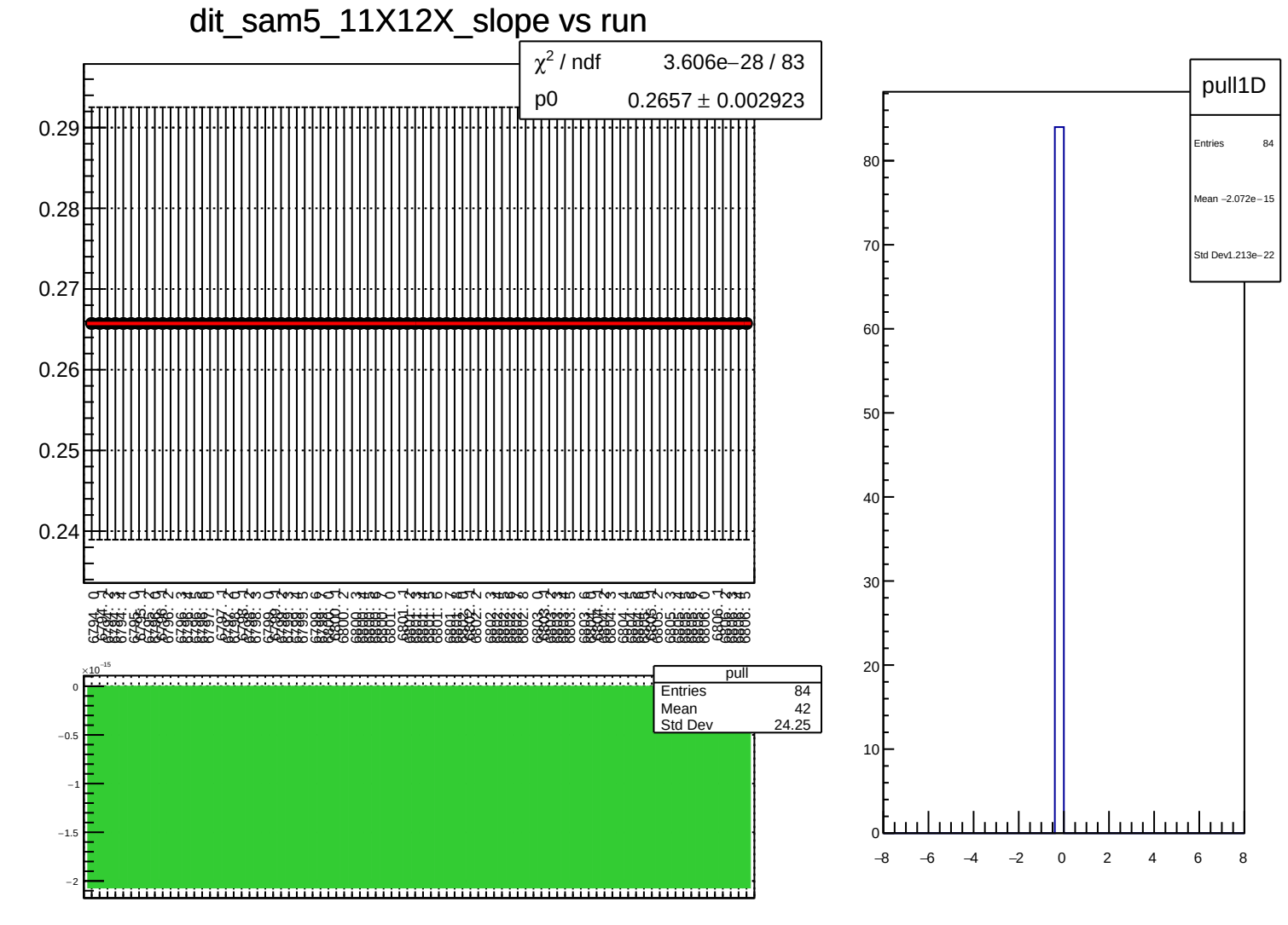

dit_sam4_4aY_slope vs run
χ² / ndf 0 / 83
p0 −20.34 ± 0.07286
−19.6
−19.8
−20
−20.2
−20.4
−20.6
−20.8
−21
pull
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 84
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

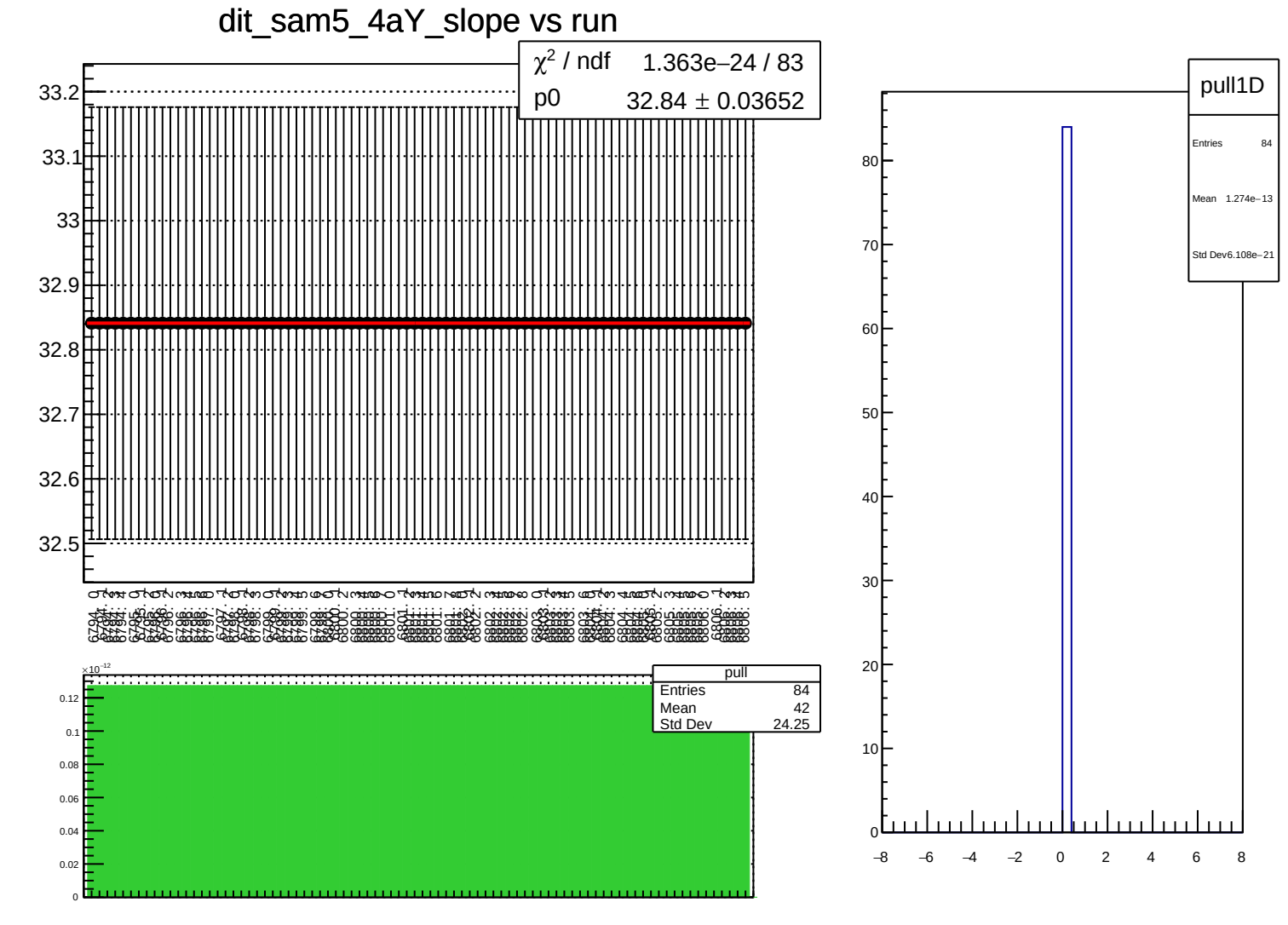

dit_sam4_4eY_slope vs run
χ² / ndf 3.336e−23 / 83
p0 259.6 ± 0.09841
260.6
260.4
260.2
260
259.8
259.6
259.4
259.2
259
258.8
258.6
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
pull1D
Entries 84
Mean −6.302e−13
Std Dev 2.347e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

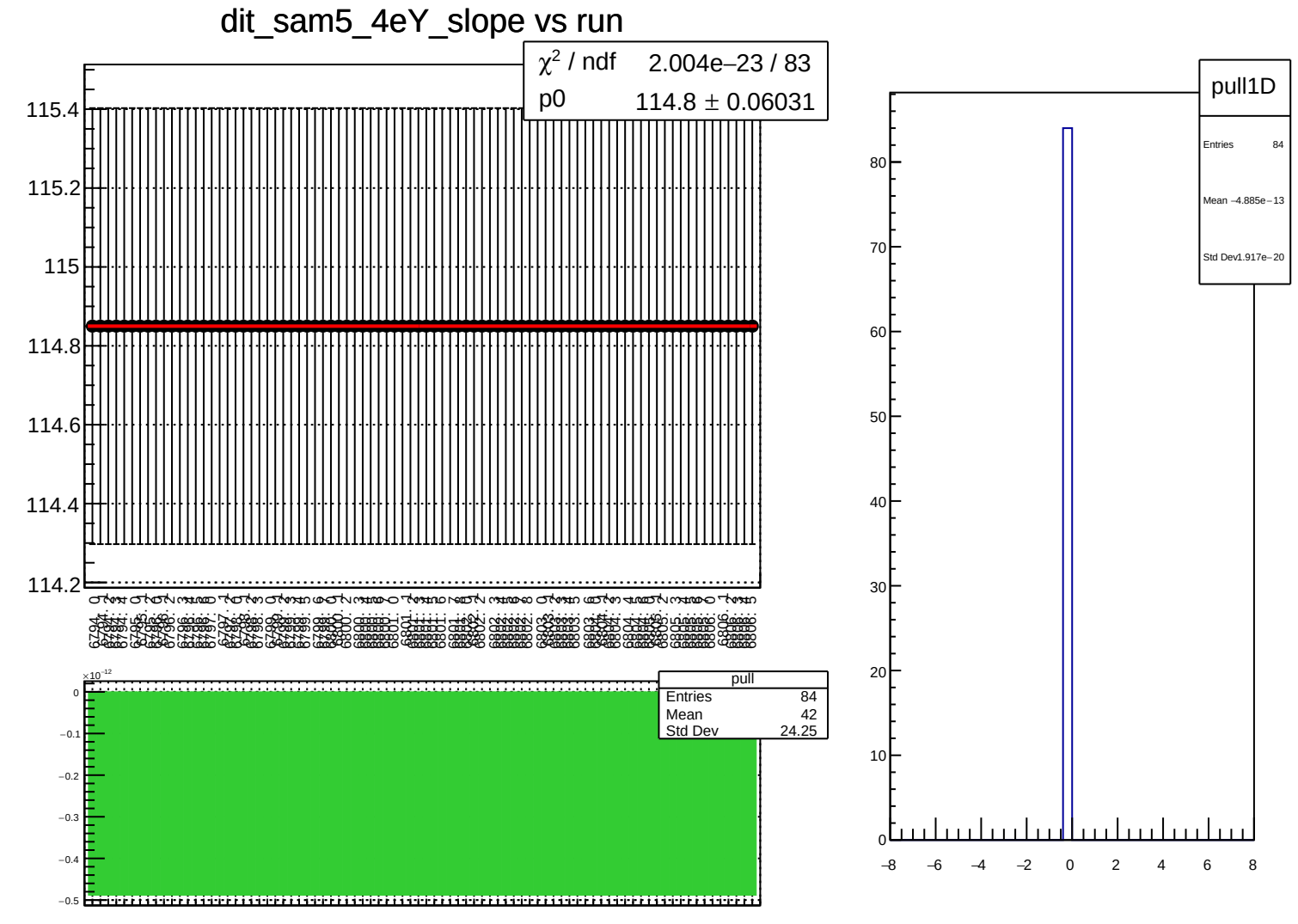

dit_sam5_4aX_slope vs run
χ^2 / ndf 2.82e−27 / 83
p0 4.55 ± 0.0669
pull
Entries 84
Mean 42
Std Dev 24.25

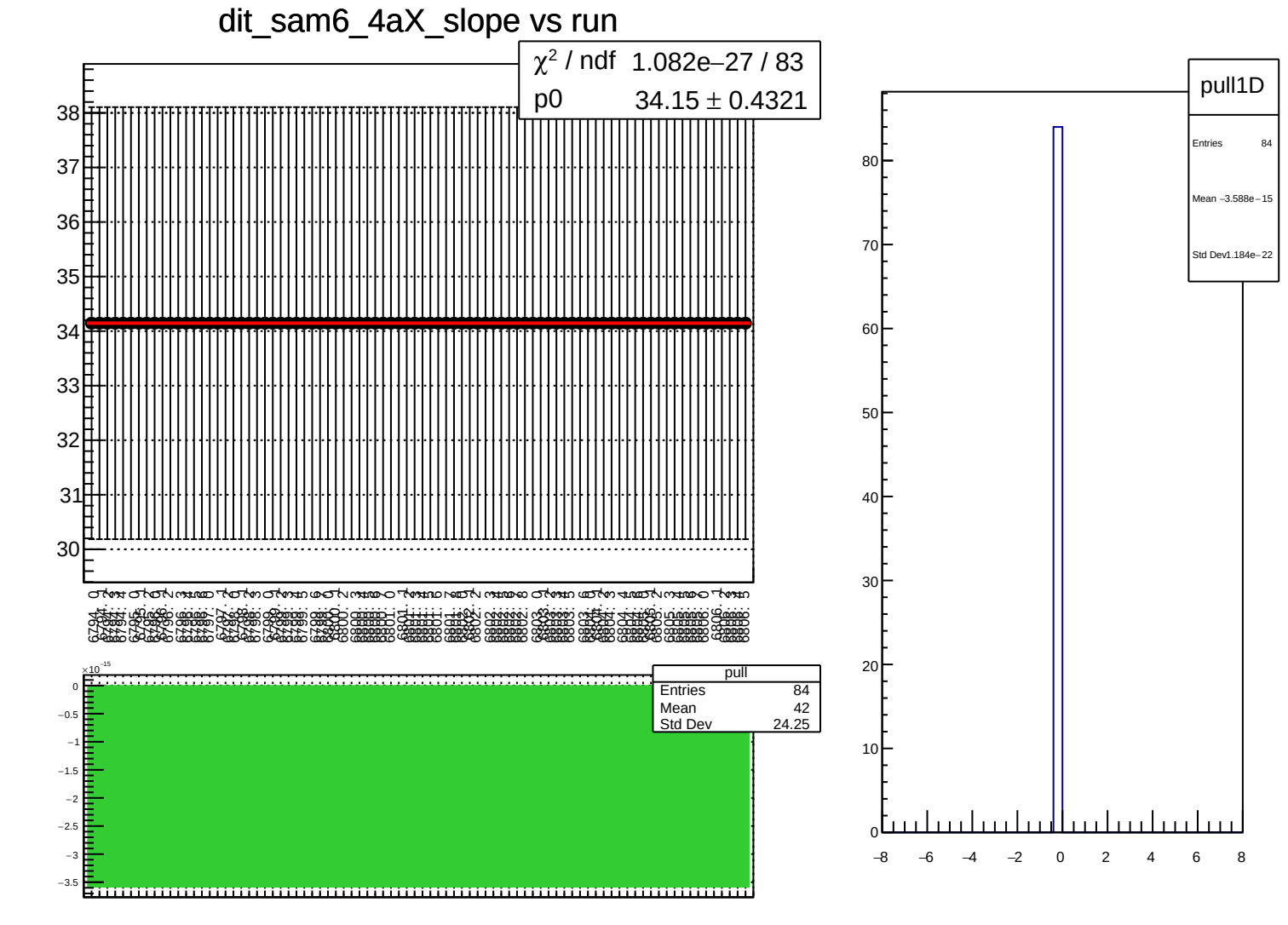

pull1D
Entries 84
Mean 5.794e−15
Std Dev 3.512e−22

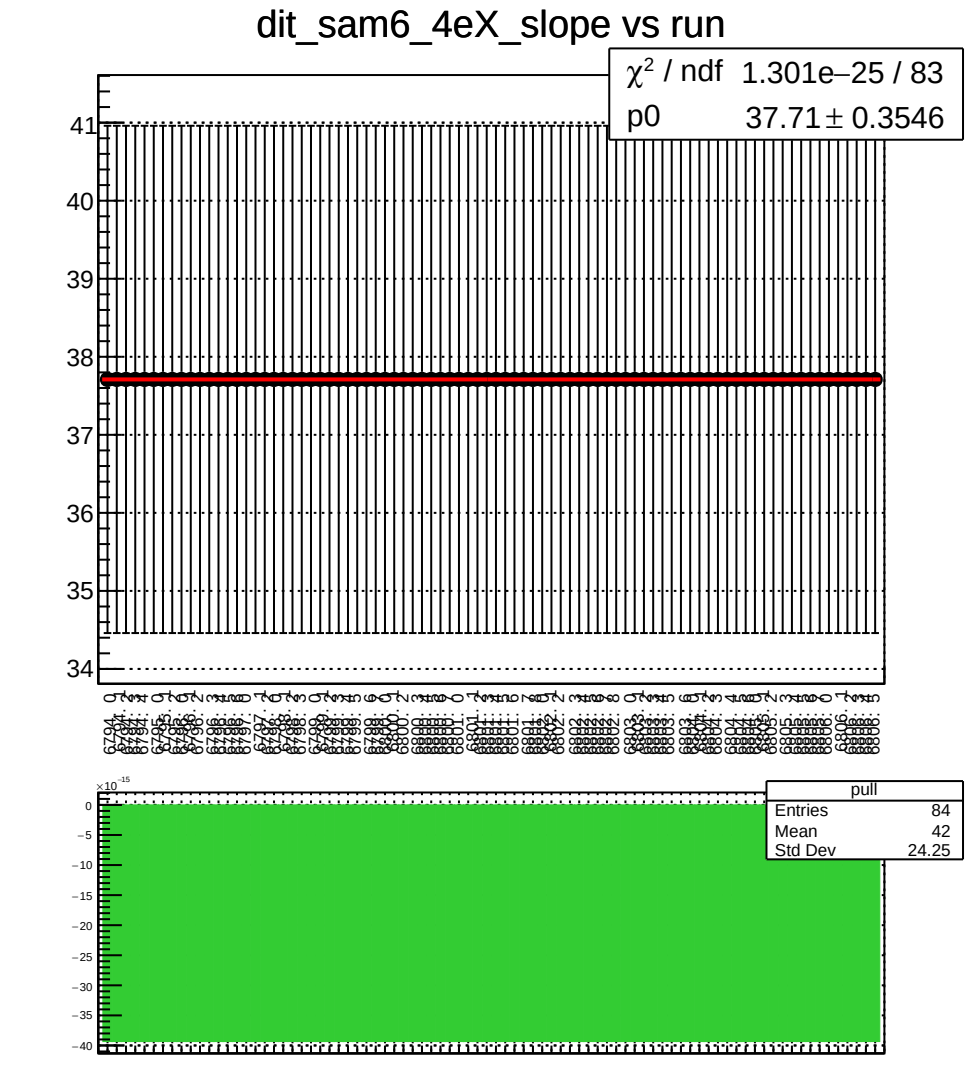

dit_sam5_4eX_slope vs run
χ² / ndf 3.857e−26 / 83
p0 4.986 ± 0.05427
5.4
5.2
5
4.8
4.6
4.4
×10⁻¹⁵
0
−5
−10
−15
−20
pull
Entries 84
Mean 42
Std Dev 24.25
pull1D
Entries 84
Mean −2.143e−14
Std Dev 6.696e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

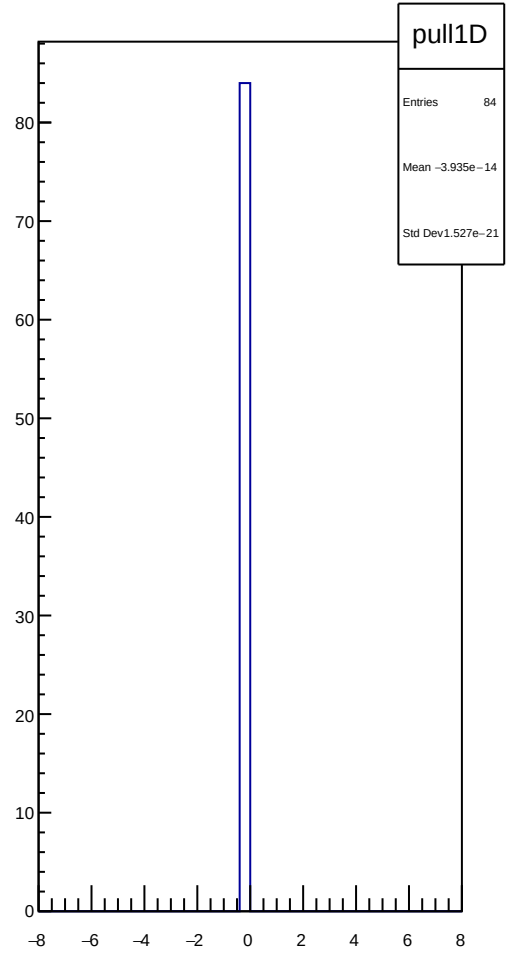

dit_sam5_11X12X_slope vs run
χ² / ndf 3.606e−28 / 83
p0 0.2657 ± 0.002923
0.29
0.28
0.27
0.26
0.25
0.24
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
pull1D
Entries 84
Mean −2.072e−15
Std Dev1.213e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

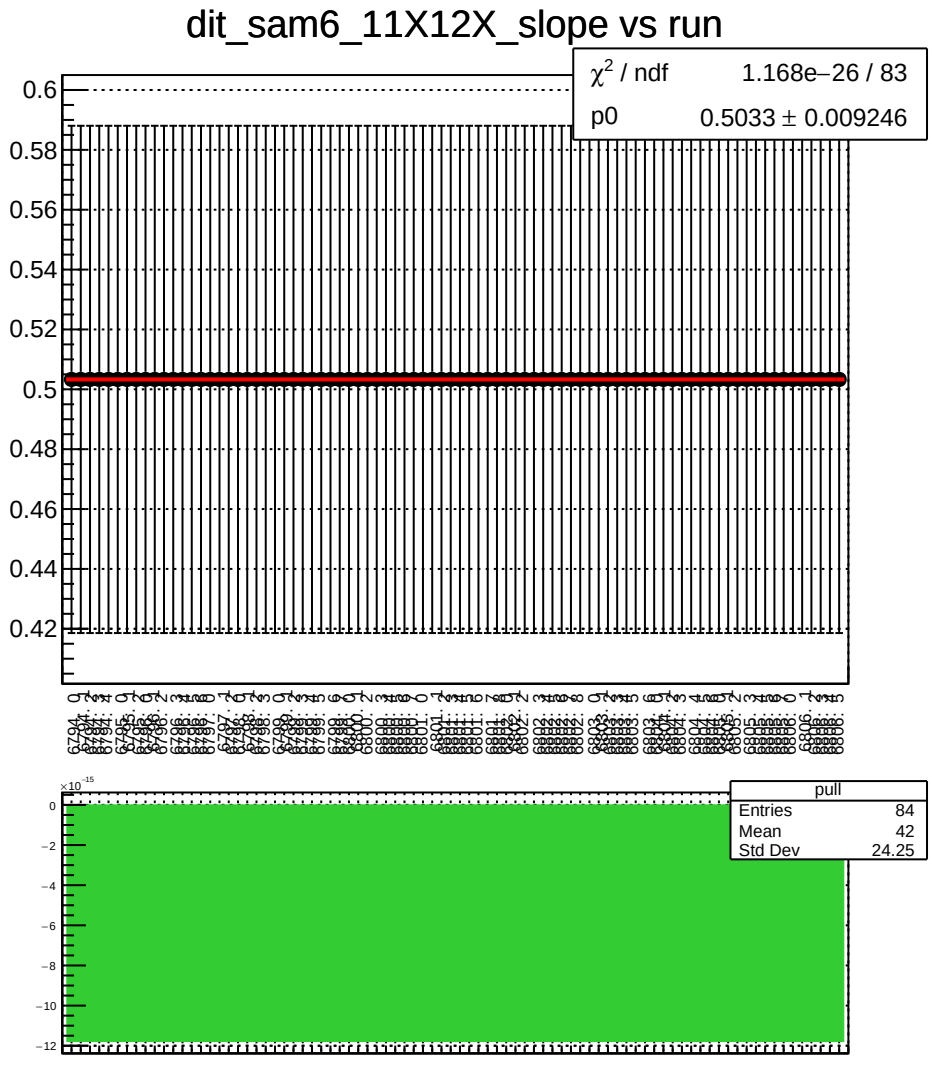

dit_sam5_4aY_slope vs run
χ² / ndf 1.363e−24 / 83
p0 32.84 ± 0.03652
pull
Entries 84
Mean 42
Std Dev 24.25
pull1D
Entries 84
Mean 1.274e−13
Std Dev6.108e−21

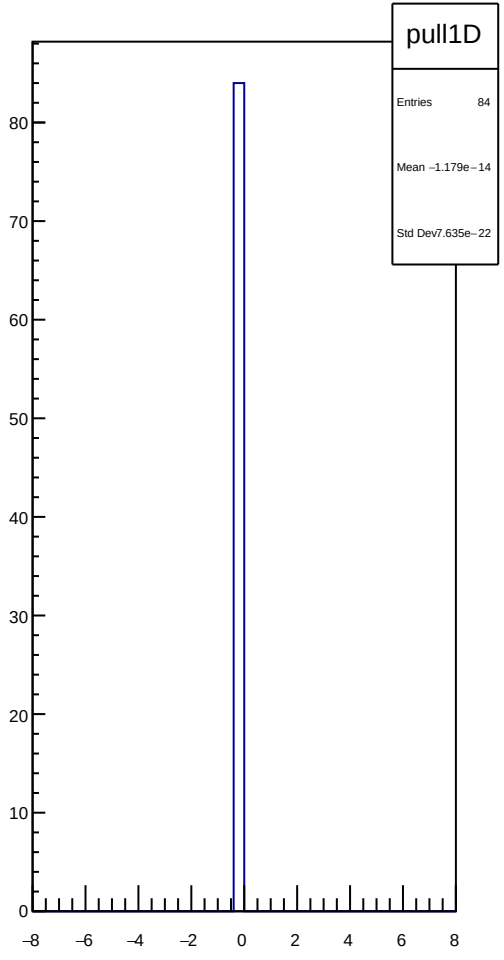

dit_sam5_4eY_slope vs run
χ² / ndf 2.004e−23 / 83
p0 114.8 ± 0.06031
115.4
115.2
115
114.8
114.6
114.4
114.2
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
pull1D
Entries 84
Mean −4.885e−13
Std Dev1.917e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

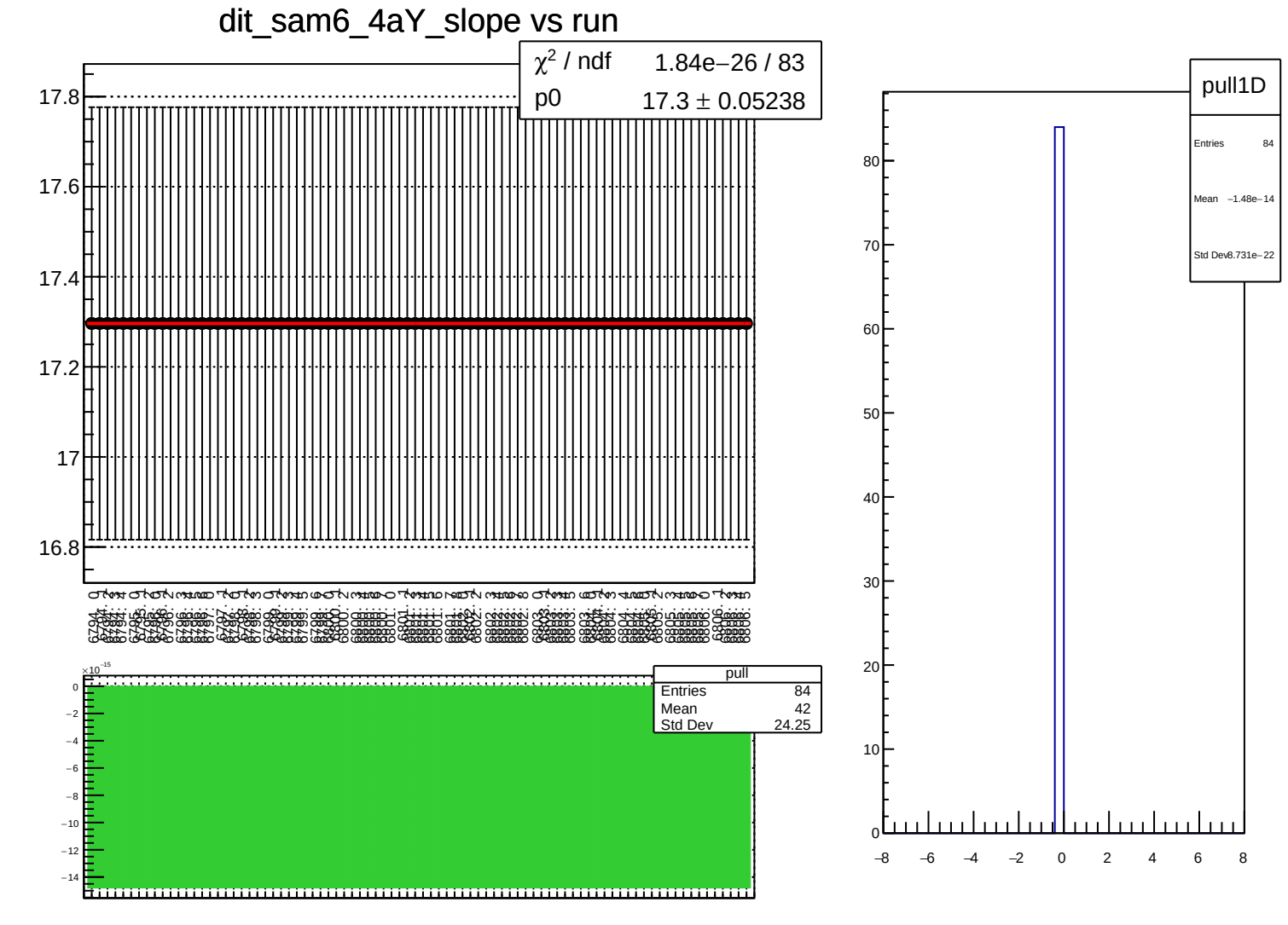

dit_sam6_4aX_slope vs run
χ² / ndf 1.082e−27 / 83
p0 34.15 ± 0.4321
38
37
36
35
34
33
32
31
30
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
pull1D
Entries 84
Mean −3.588e−15
Std Dev1.184e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

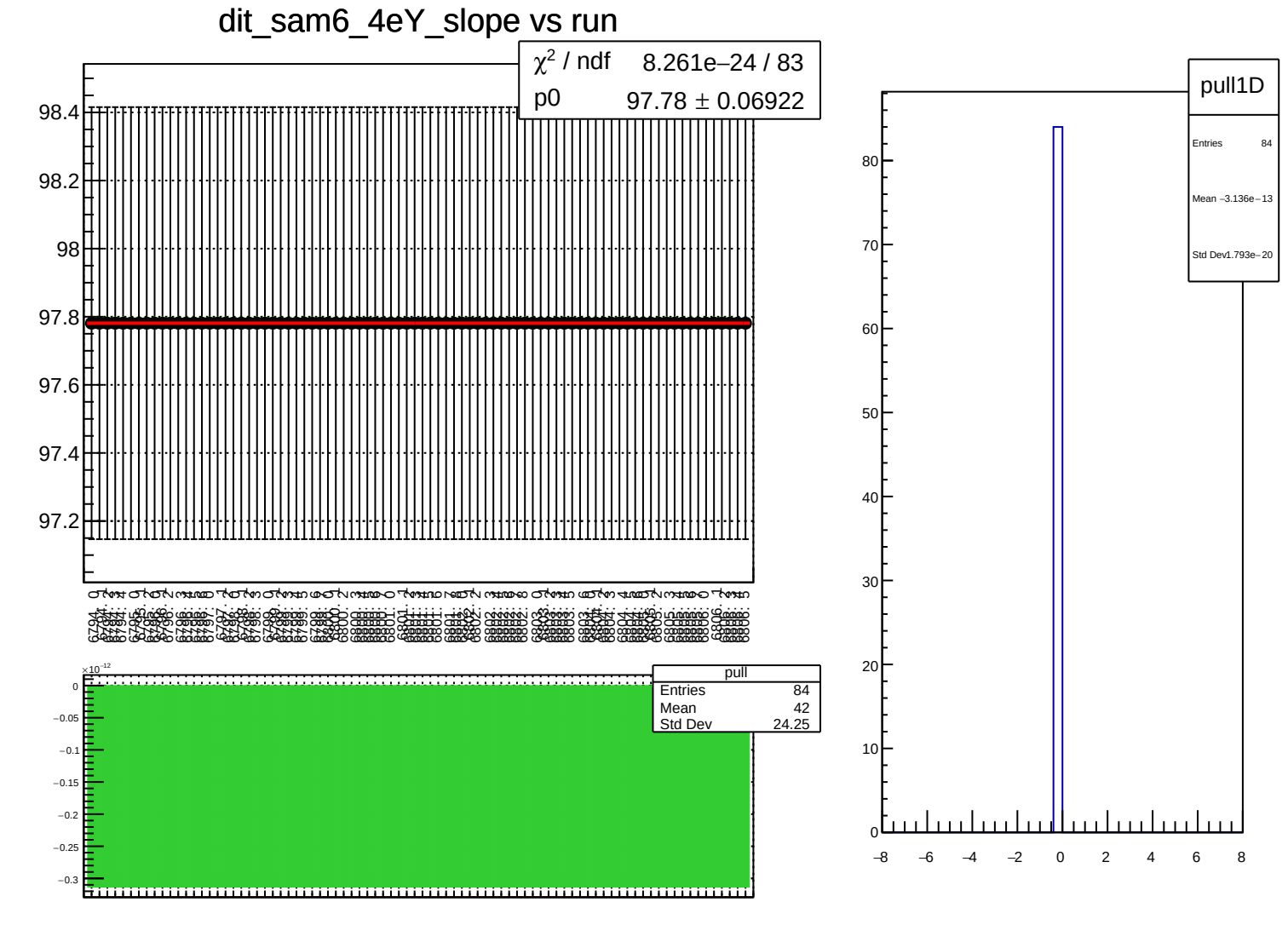

dit_sam6_4eX_slope vs run
χ² / ndf 1.301e−25 / 83
p0 37.71 ± 0.3546
pull
Entries 84
Mean 42
Std Dev 24.25

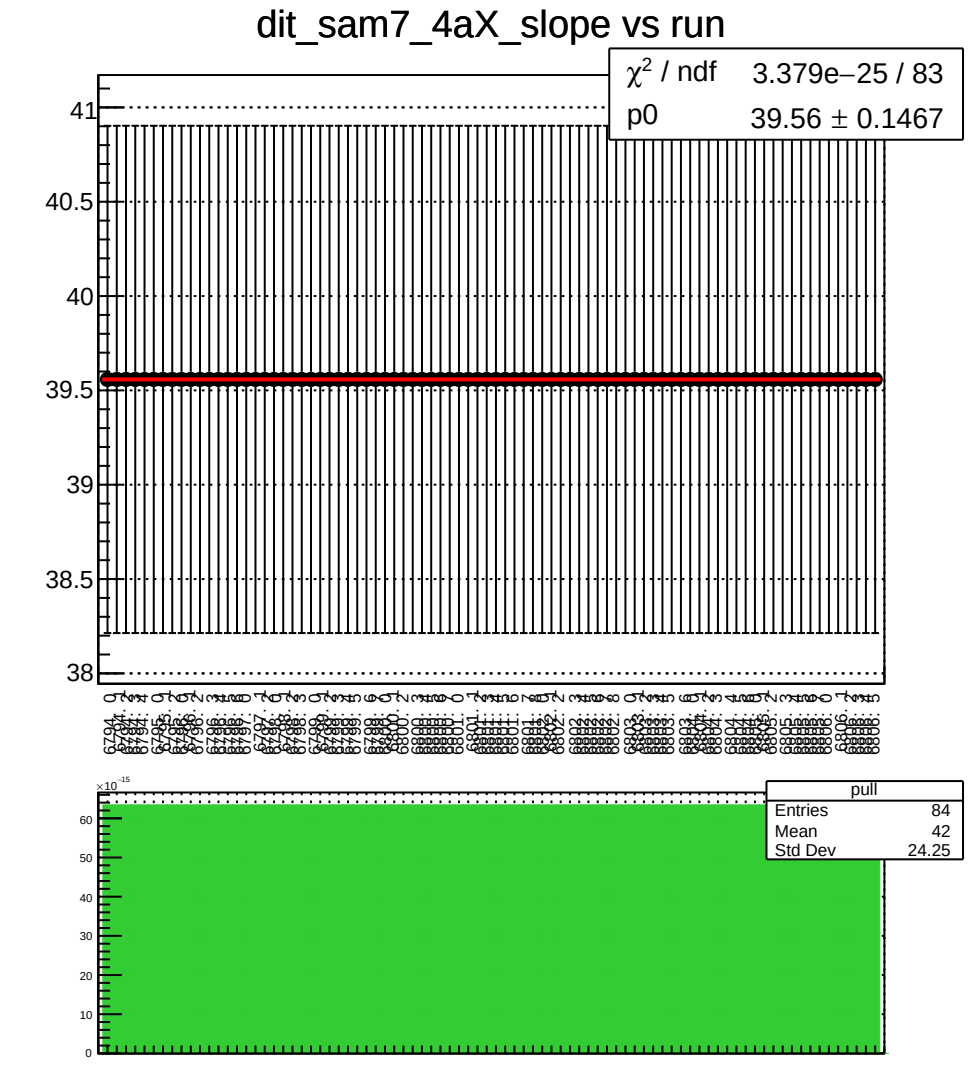

pull1D
Entries 84
Mean −3.935e−14
Std Dev1.527e−21

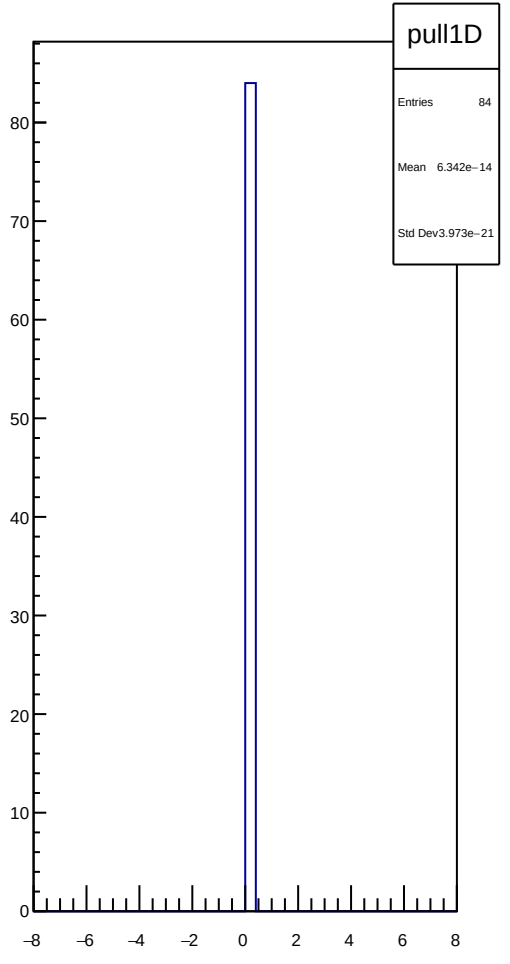

dit_sam6_11X12X_slope vs run
χ² / ndf 1.168e−26 / 83
p0 0.5033 ± 0.009246
pull
Entries 84
Mean 42
Std Dev 24.25

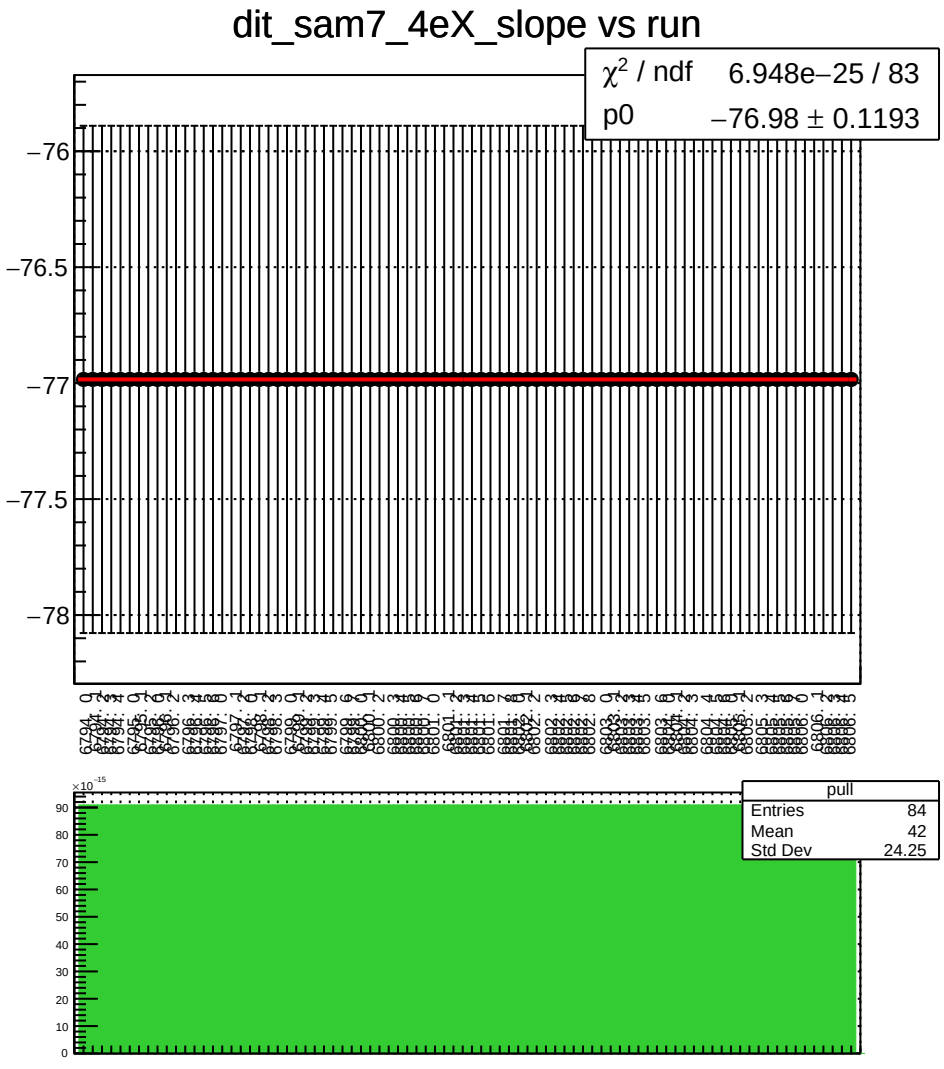

pull1D
Entries 84
Mean −1.179e−14
Std Dev7.635e−22

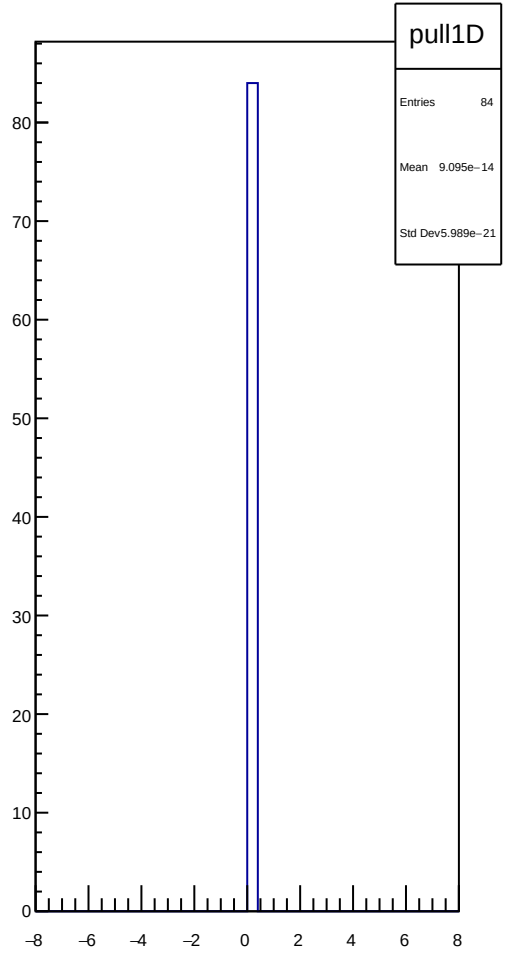

dit_sam6_4aY_slope vs run
χ² / ndf 1.84e−26 / 83
p0 17.3 ± 0.05238
17.8
17.6
17.4
17.2
17
16.8
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
pull1D
Entries 84
Mean −1.48e−14
Std Dev 8.731e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

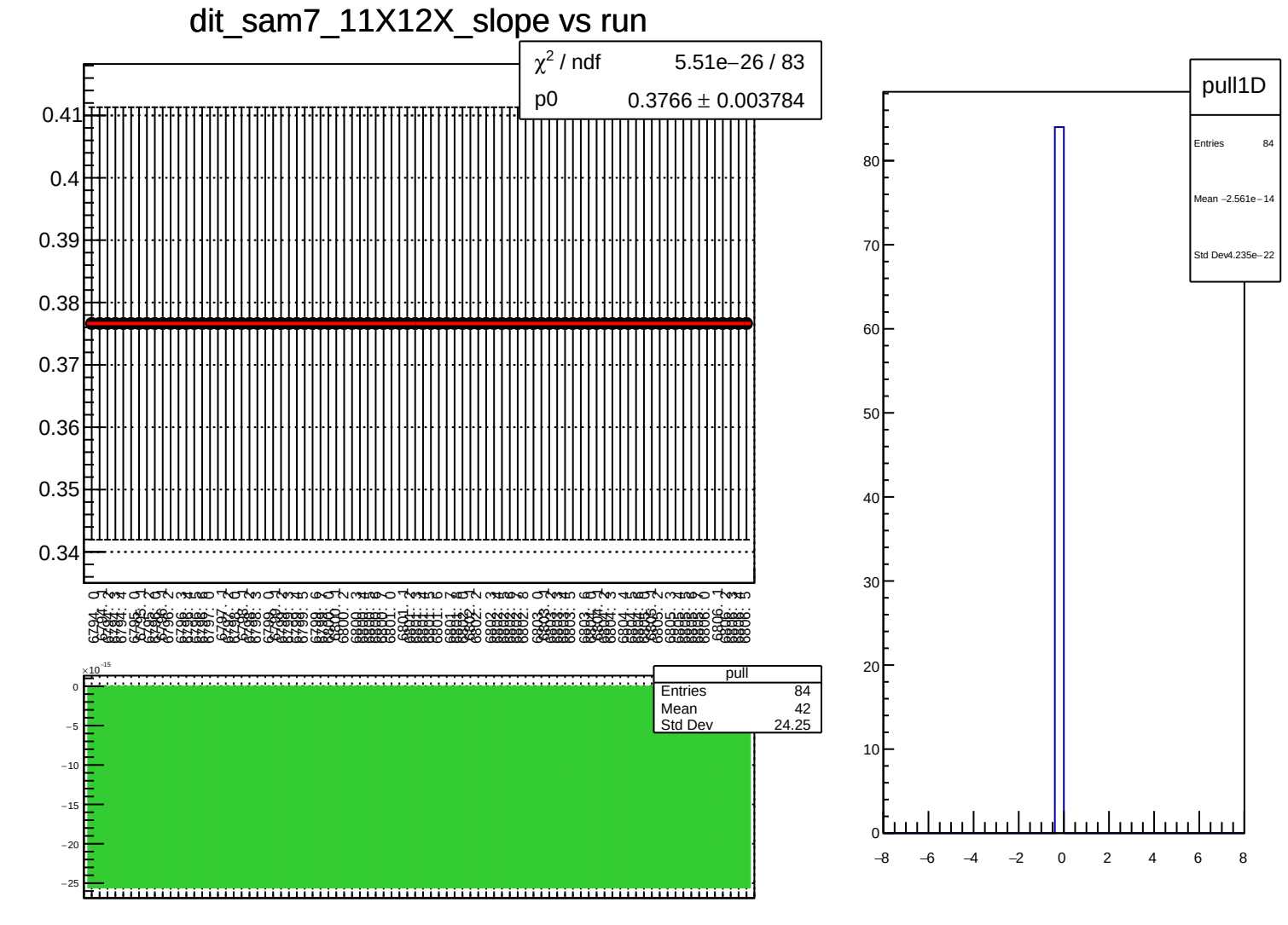

dit_sam6_4eY_slope vs run
χ^2 / ndf 8.261e−24 / 83
p0 97.78 ± 0.06922
98.4
98.2
98
97.8
97.6
97.4
97.2
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
pull1D
Entries 84
Mean −3.136e−13
Std Dev1.793e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

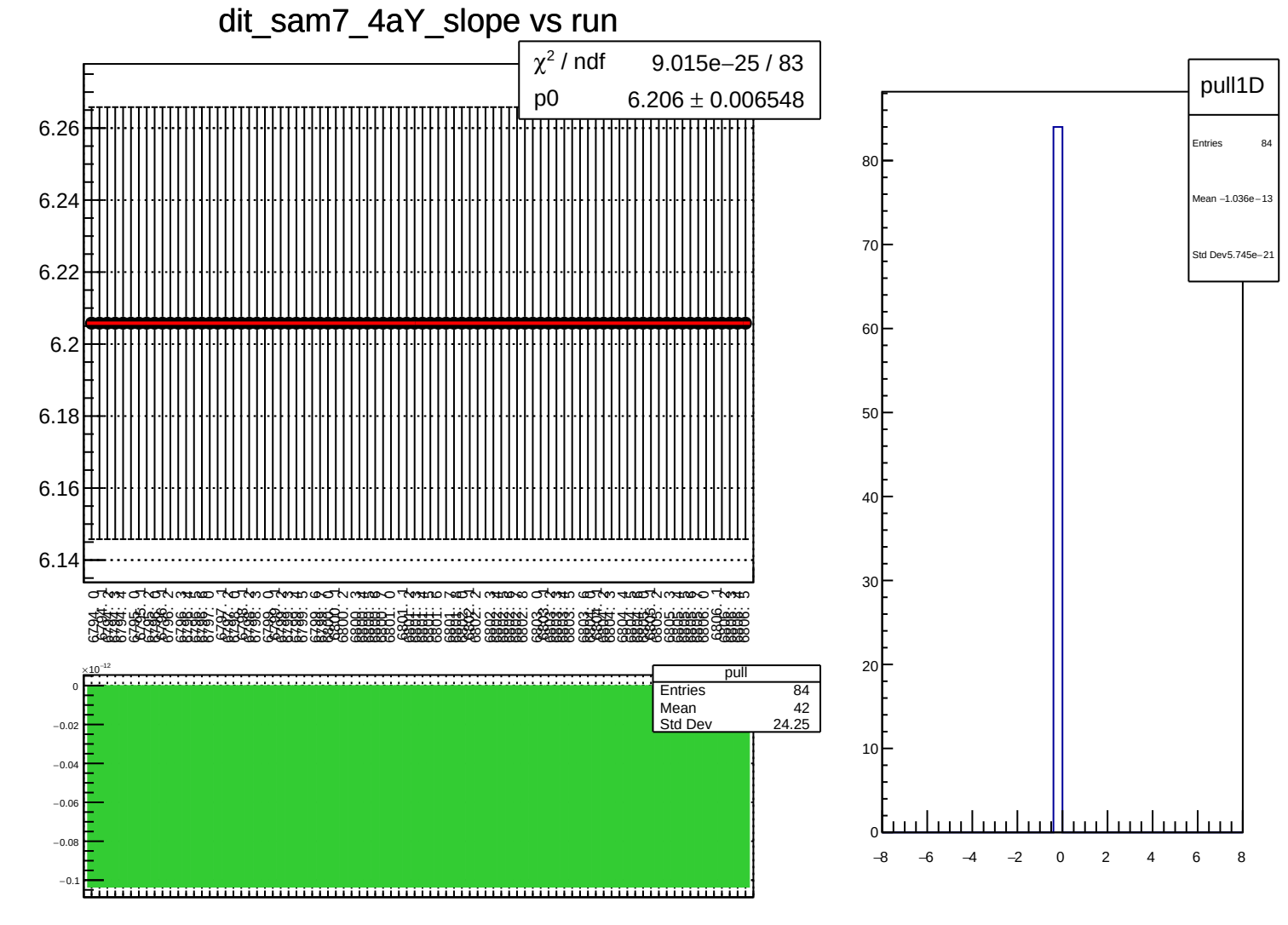

dit_sam7_4aX_slope vs run
χ^2 / ndf 3.379e−25 / 83
p0 39.56 ± 0.1467
41
40.5
40
39.5
39
38.5
38
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
60
50
40
30
20
10
0

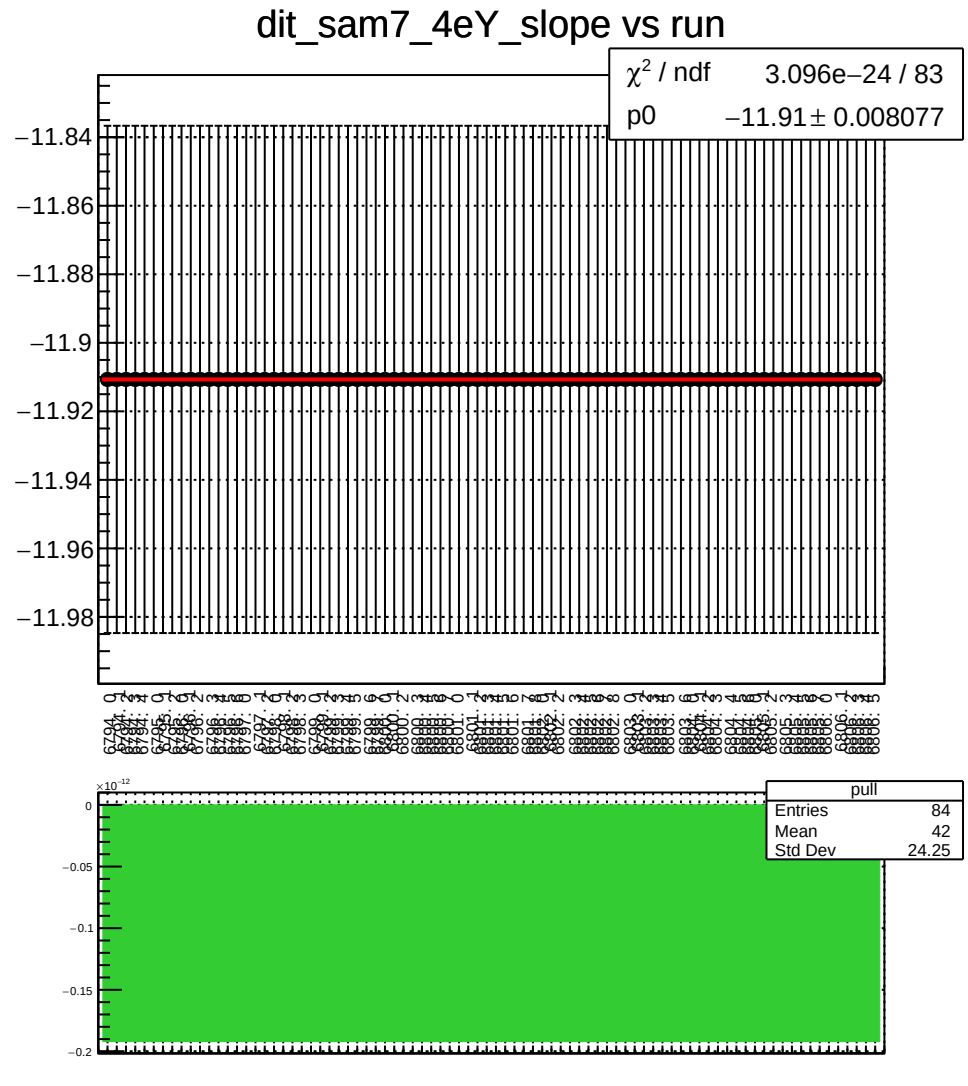

pull1D
Entries 84
Mean 6.342e−14
Std Dev3.973e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

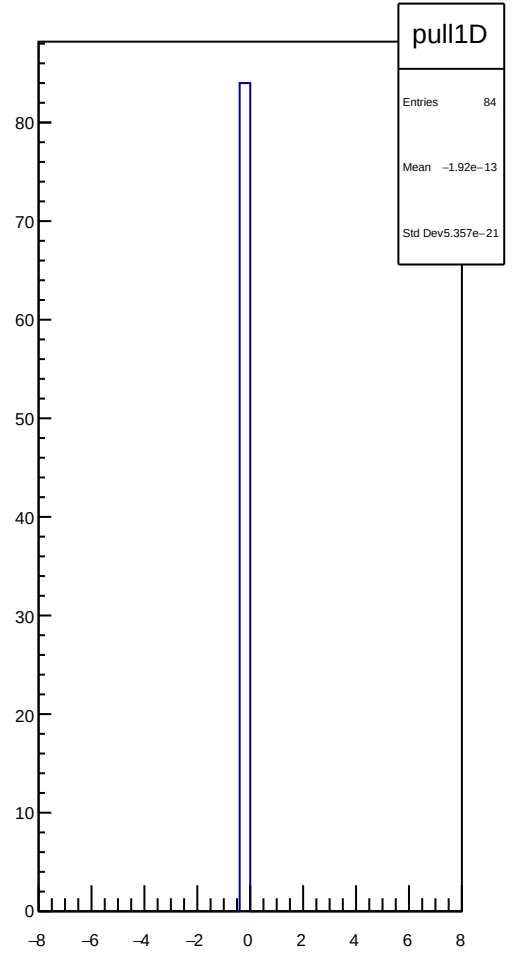

dit_sam7_4eX_slope vs run
χ² / ndf 6.948e−25 / 83
p0 −76.98 ± 0.1193
−76
−76.5
−77
−77.5
−78
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
90
80
70
60
50
40
30
20
10
0

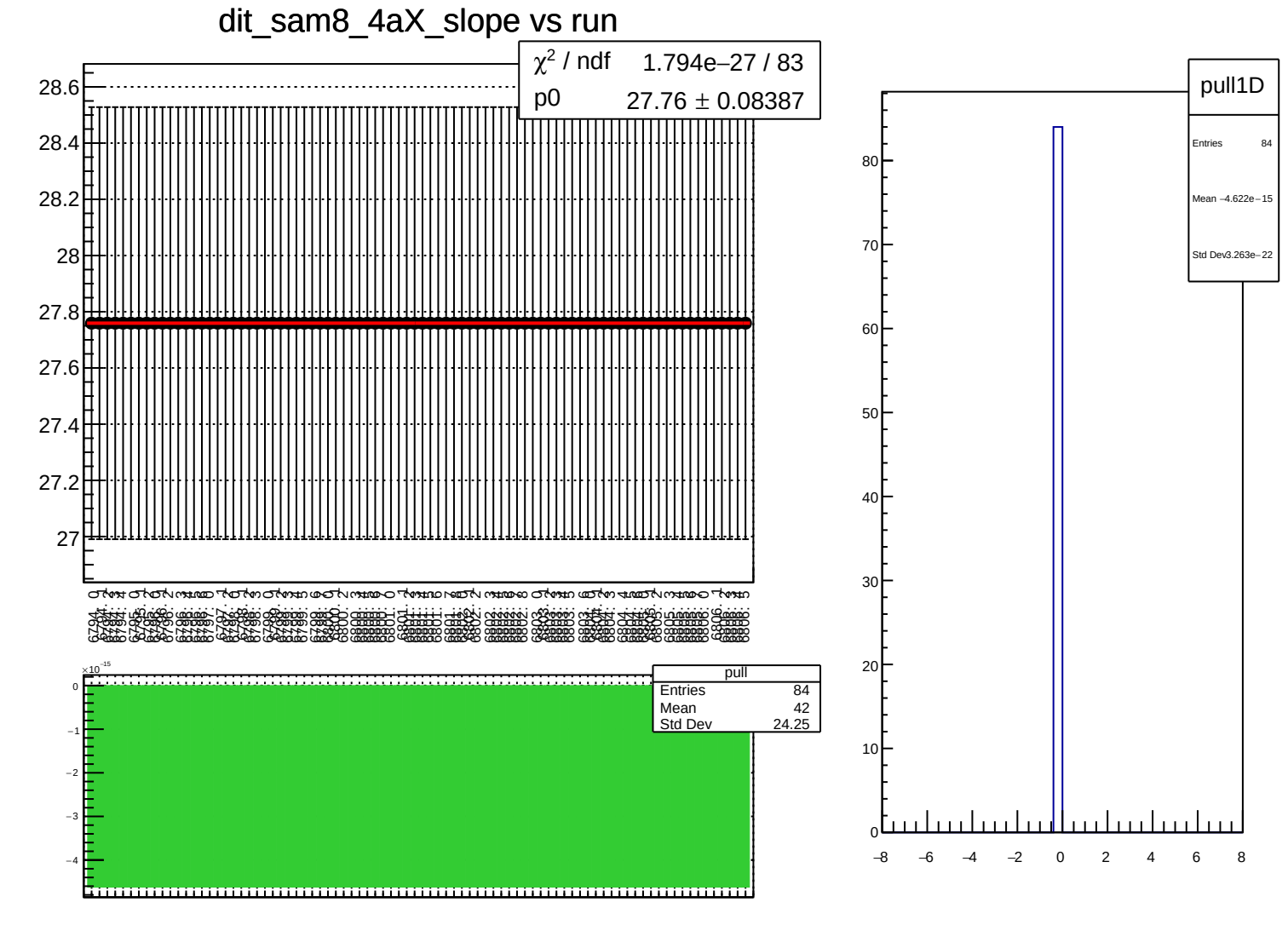

pull1D
Entries 84
Mean 9.095e−14
Std Dev 5.989e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

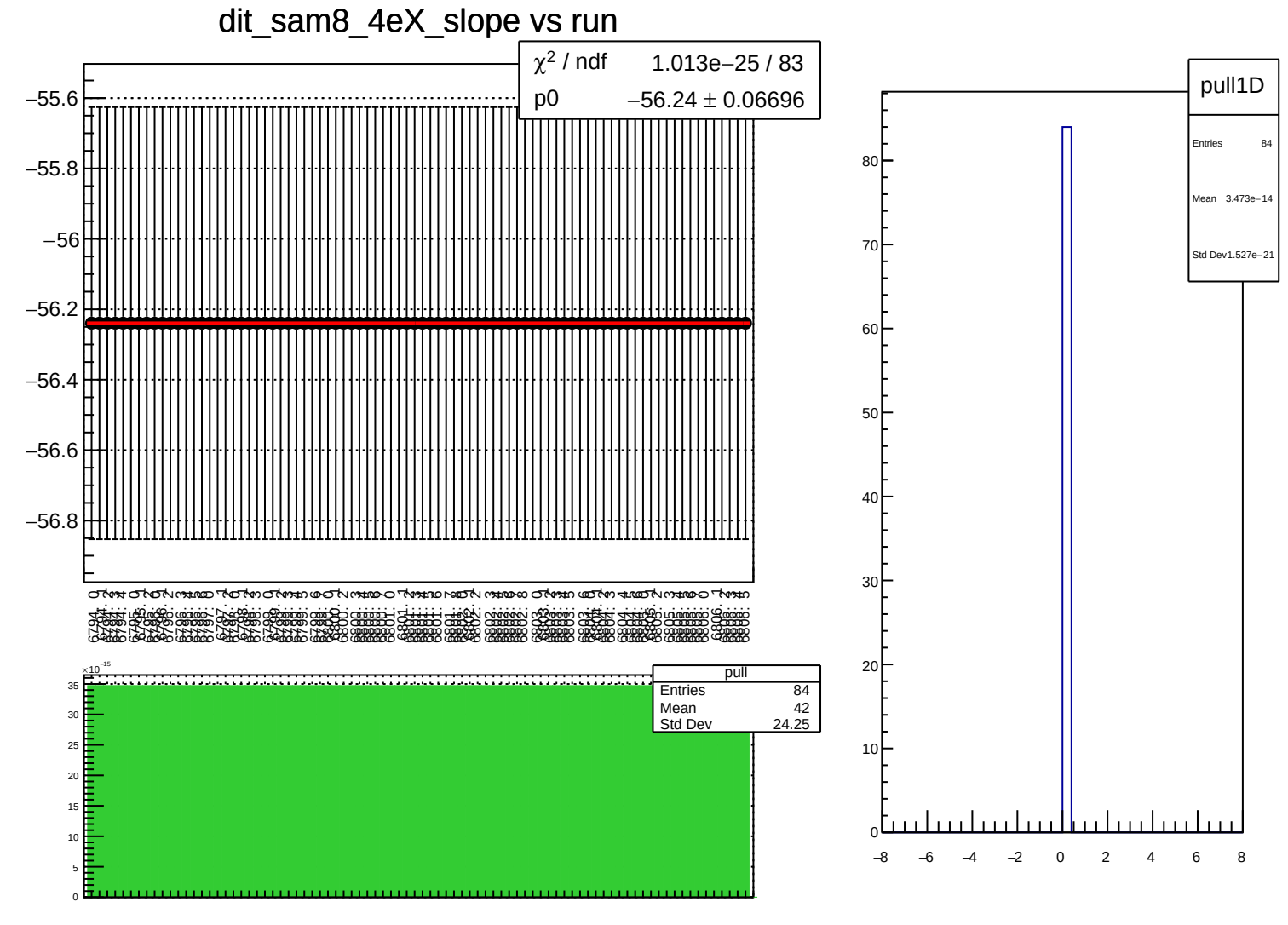

dit_sam7_11X12X_slope vs run
χ² / ndf 5.51e−26 / 83
p0 0.3766 ± 0.003784
0.41
0.4
0.39
0.38
0.37
0.36
0.35
0.34
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−5
−10
−15
−20
−25
pull1D
Entries 84
Mean −2.561e−14
Std Dev4.235e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

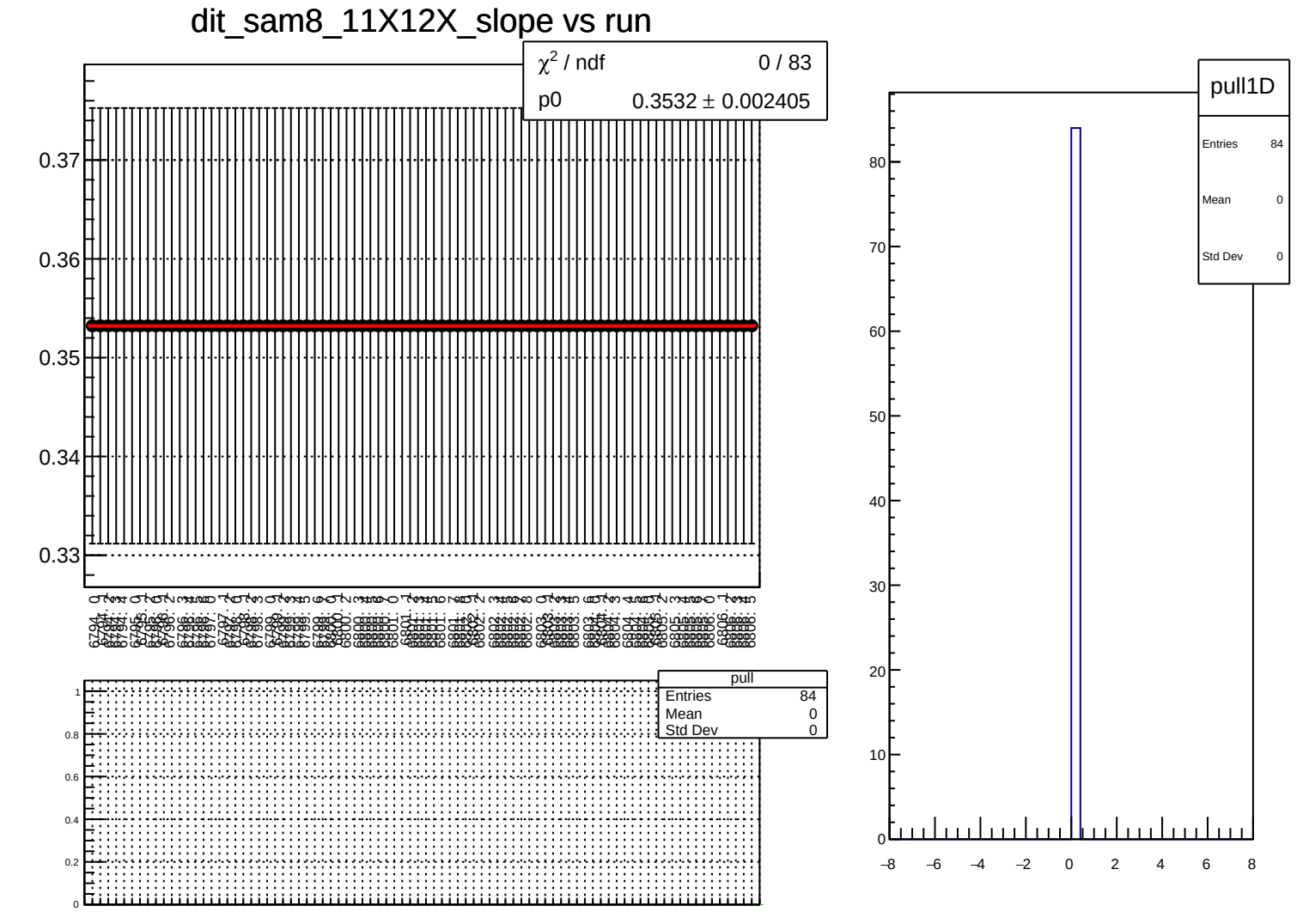

dit_sam7_4aY_slope vs run
χ² / ndf 9.015e−25 / 83
p0 6.206 ± 0.006548
6.26
6.24
6.22
6.2
6.18
6.16
6.14
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull1D
Entries 84
Mean −1.036e−13
Std Dev5.745e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

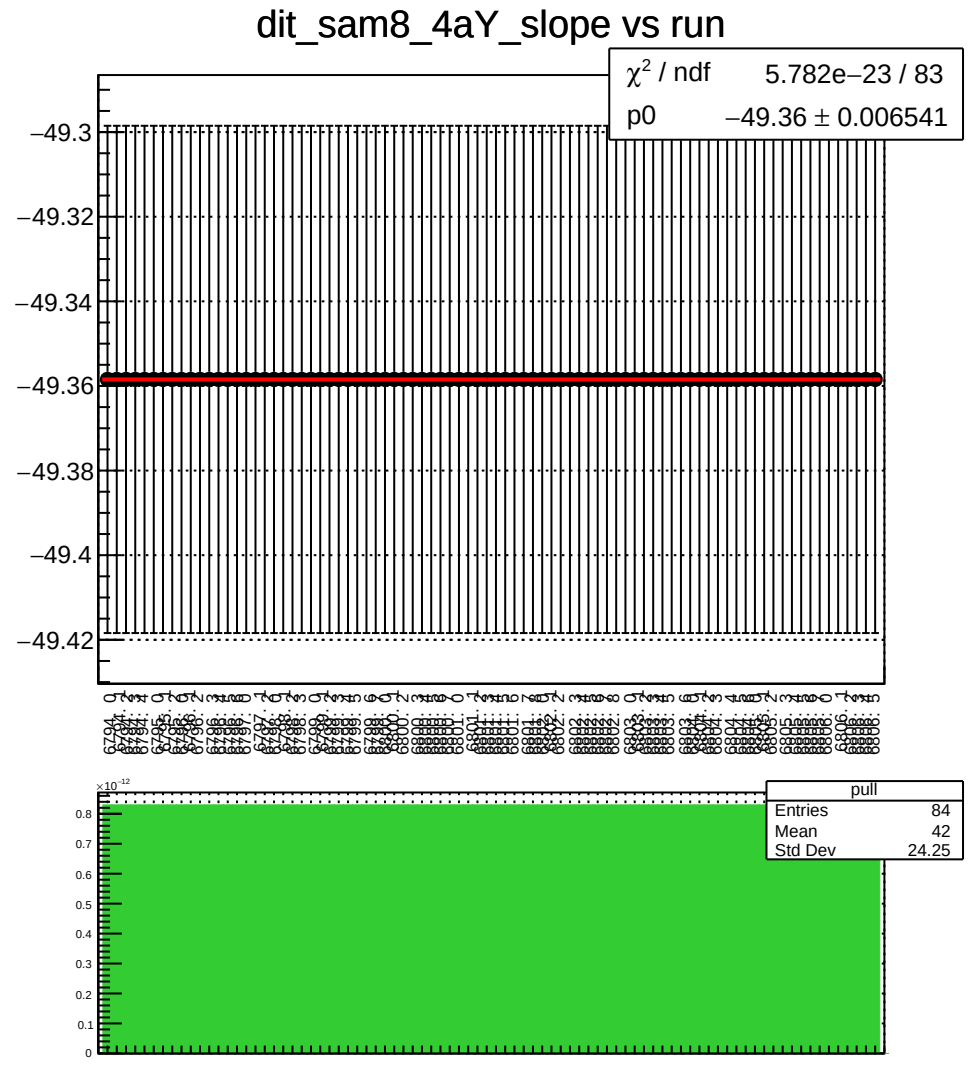

dit_sam7_4eY_slope vs run
χ² / ndf 3.096e−24 / 83
p0 −11.91 ± 0.008077
−11.84
−11.86
−11.88
−11.9
−11.92
−11.94
−11.96
−11.98
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2

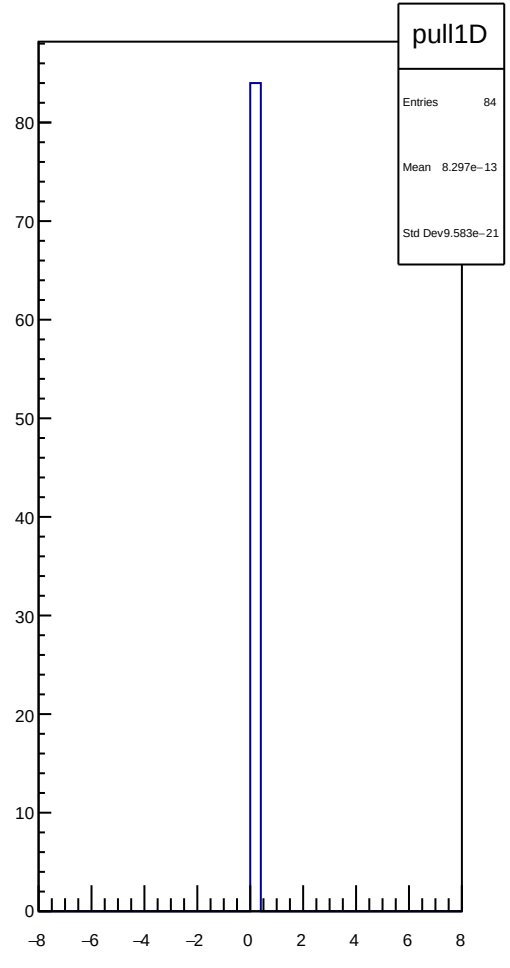

pull1D
Entries 84
Mean −1.92e−13
Std Dev5.357e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

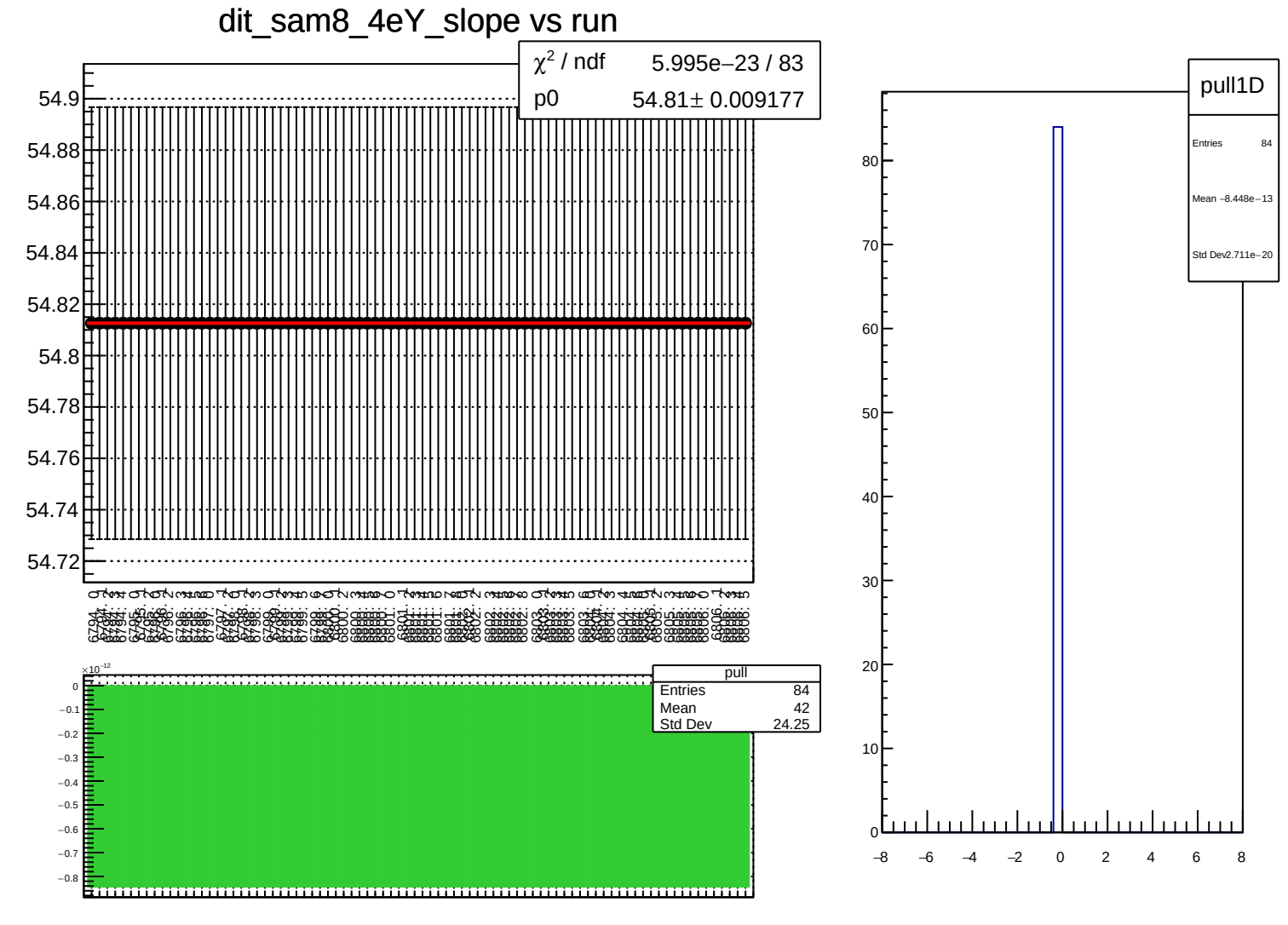

dit_sam8_4aX_slope vs run
χ² / ndf 1.794e−27 / 83
p0 27.76 ± 0.08387
28.6
28.4
28.2
28
27.8
27.6
27.4
27.2
27
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−1
−2
−3
−4
pull1D
Entries 84
Mean −4.622e−15
Std Dev 3.263e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

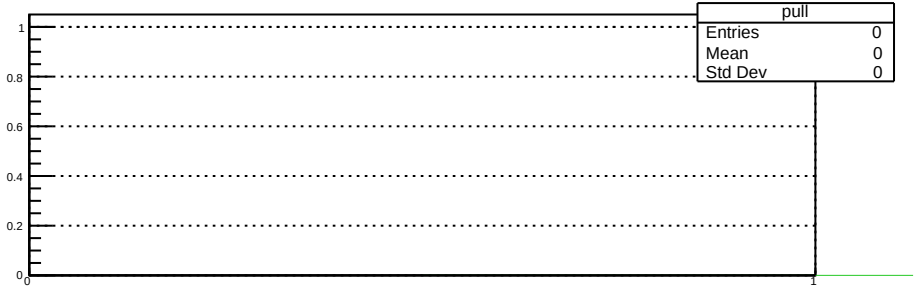

dit_sam8_4eX_slope vs run
χ² / ndf 1.013e−25 / 83
p0 −56.24 ± 0.06696
−55.6
−55.8
−56
−56.2
−56.4
−56.6
−56.8
pull
Entries 84
Mean 42
Std Dev 24.25
pull1D
Entries 84
Mean 3.473e−14
Std Dev1.527e−21

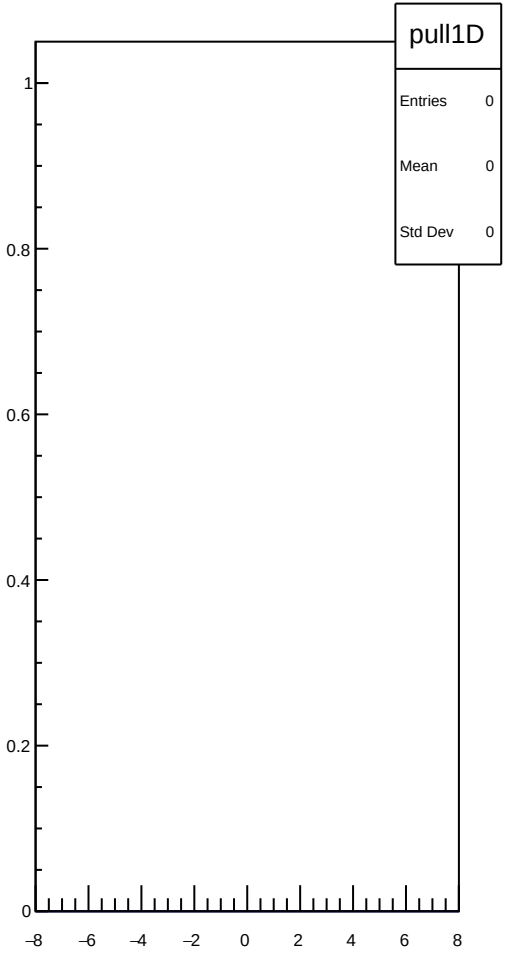

dit_sam8_11X12X_slope vs run
χ² / ndf 0 / 83
p0 0.3532 ± 0.002405
0.37
0.36
0.35
0.34
0.33
pull
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 84
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
–8
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–4
–2
0
2
4
6
8

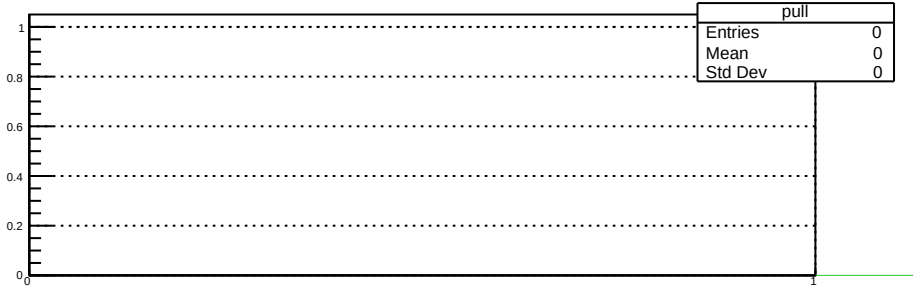

dit_sam8_4aY_slope vs run
χ^2 / ndf 5.782e−23 / 83
p0 −49.36 ± 0.006541
−49.3
−49.32
−49.34
−49.36
−49.38
−49.4
−49.42
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

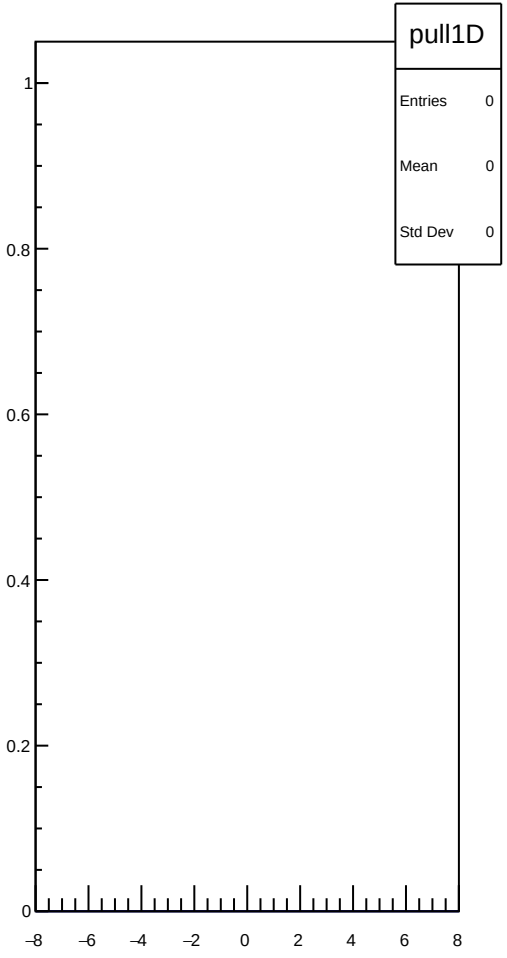

pull1D
Entries 84
Mean 8.297e−13
Std Dev9.583e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

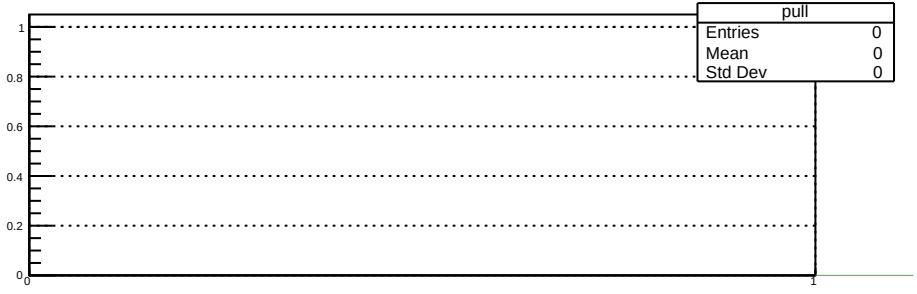

dit_sam8_4eY_slope vs run
χ² / ndf 5.995e−23 / 83
p0 54.81± 0.009177
54.9
54.88
54.86
54.84
54.82
54.8
54.78
54.76
54.74
54.72
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
−0.8
pull1D
Entries 84
Mean −8.448e−13
Std Dev2.711e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

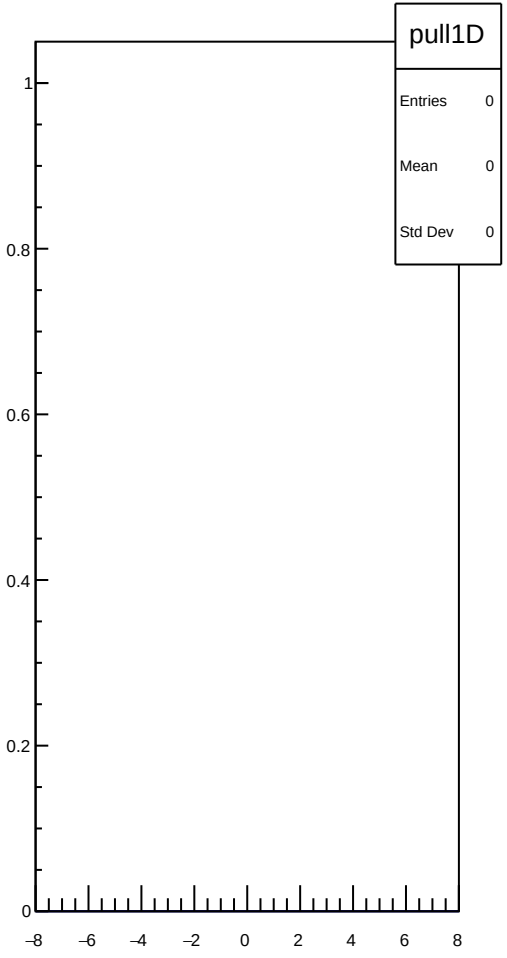

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

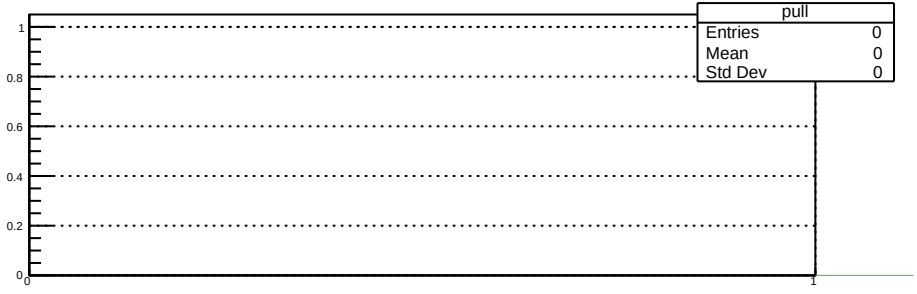

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

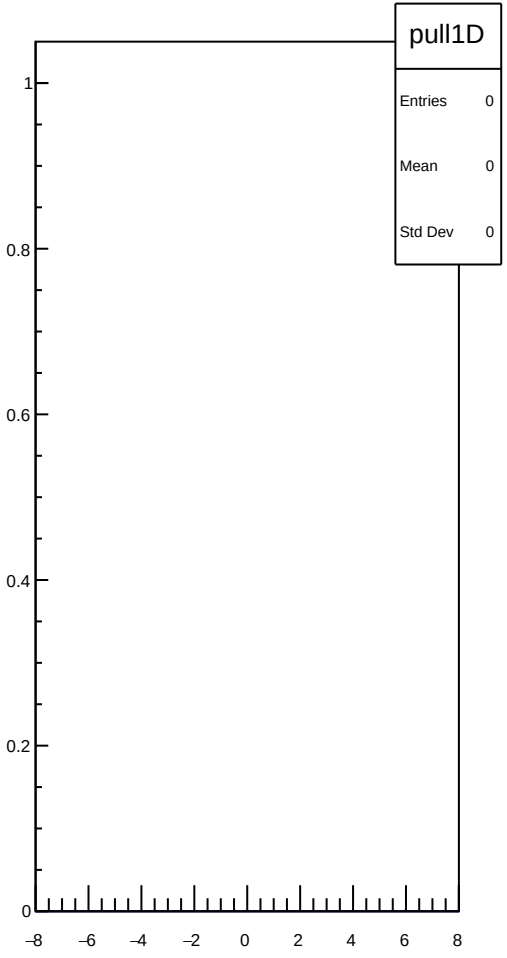

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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0
1

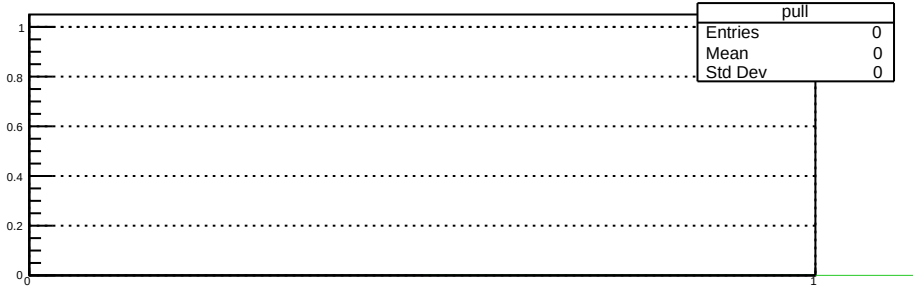

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
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2
4
6
8

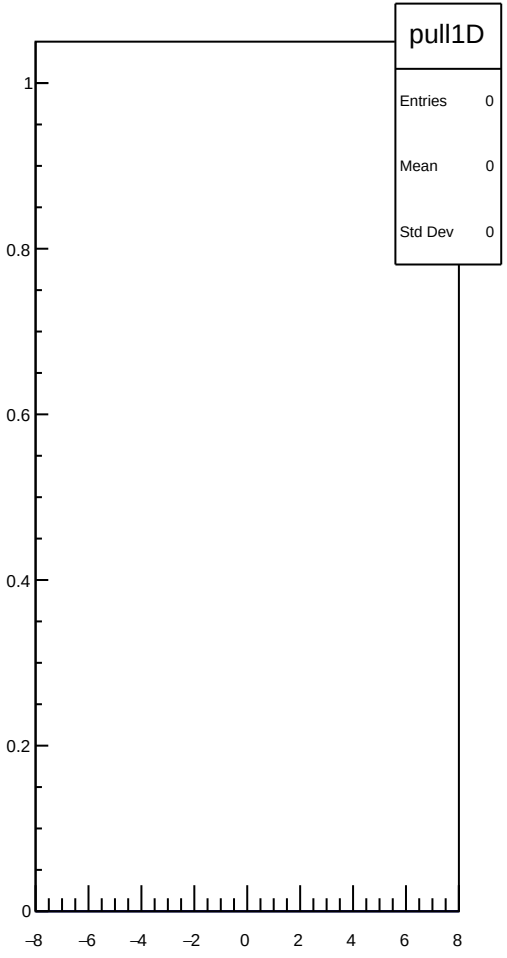

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
0
1

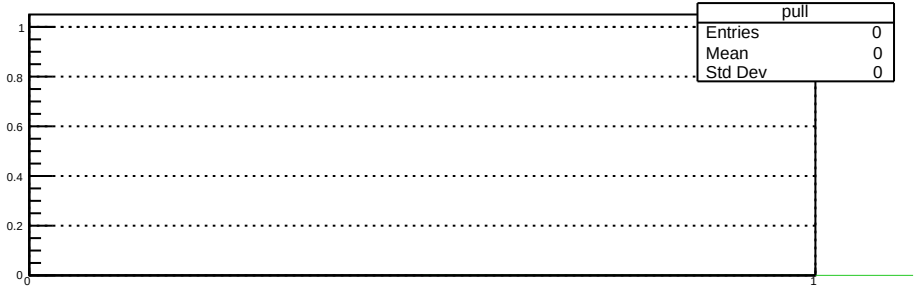

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
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–2
0
2
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6
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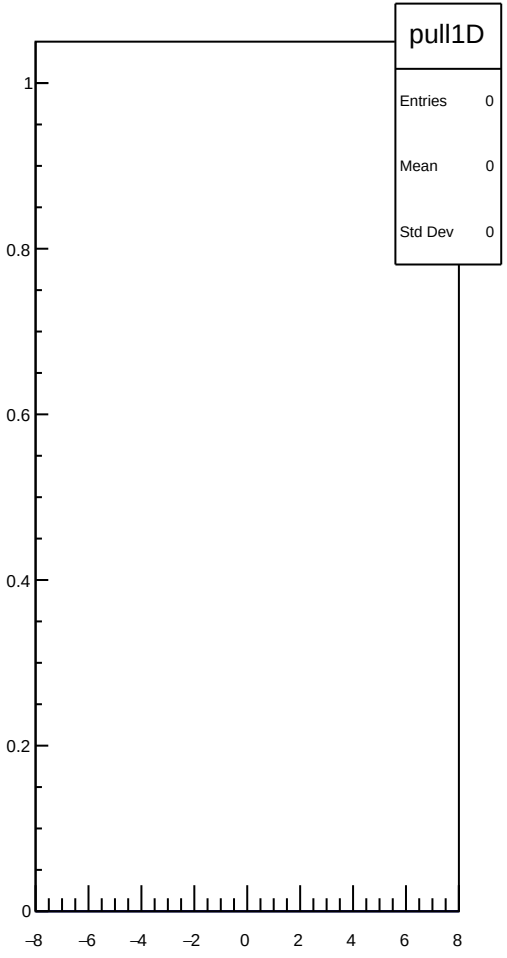

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
0
1

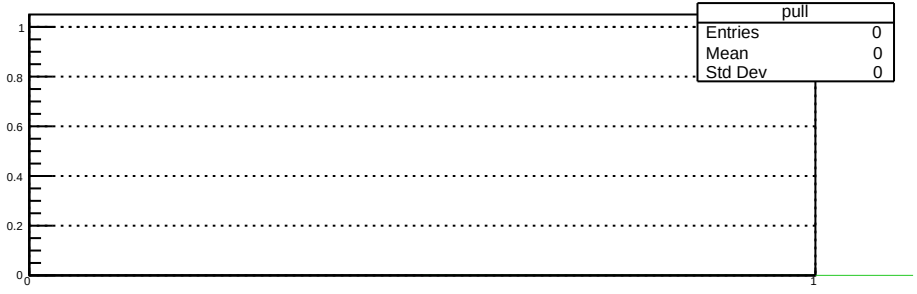

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

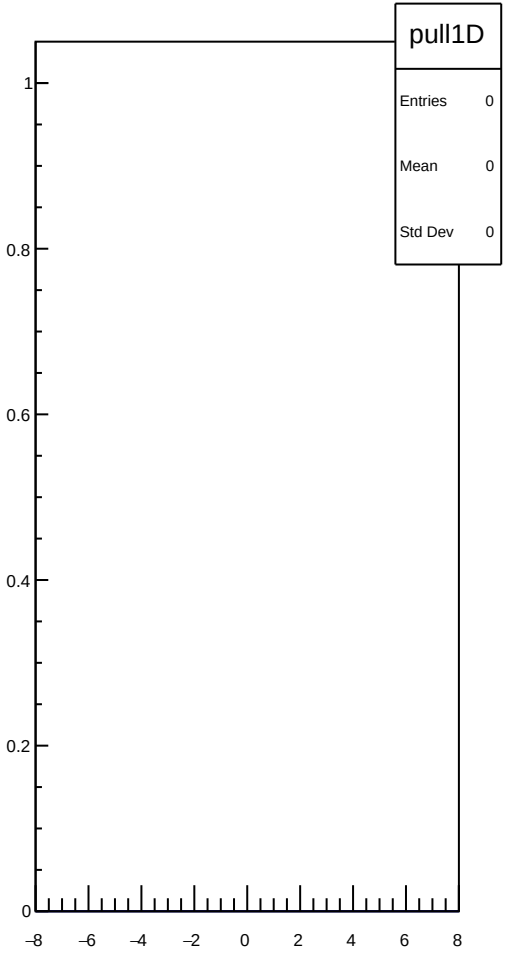

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
0
1

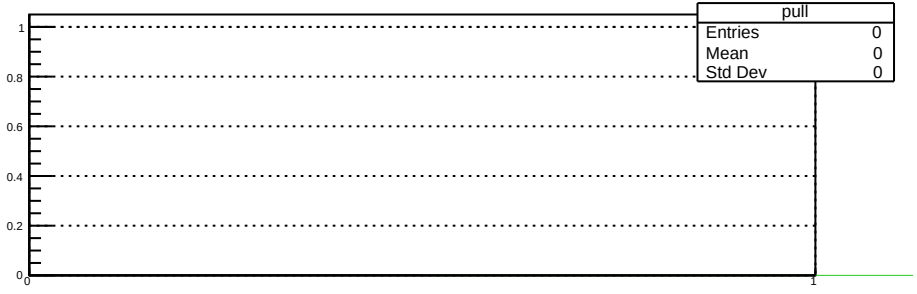

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

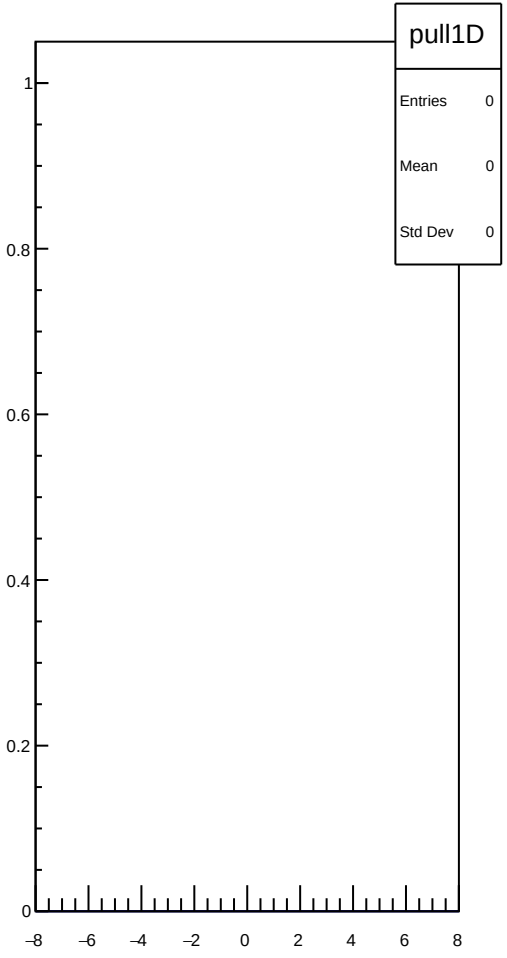

pull
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
0
1

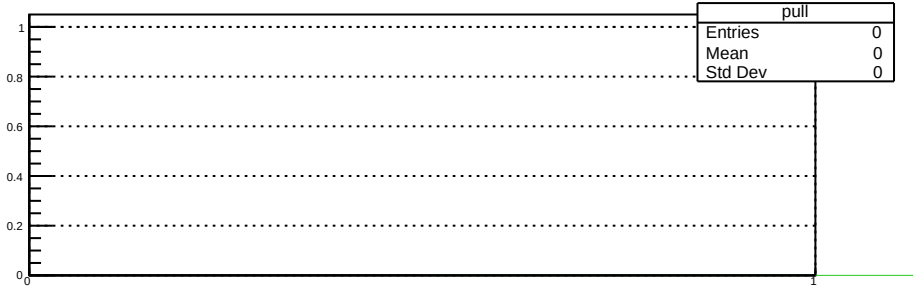

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
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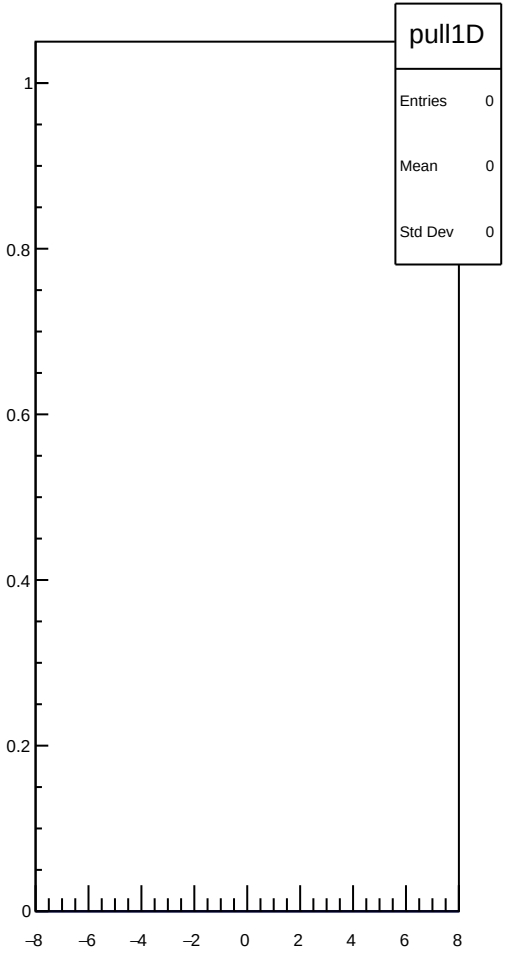

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
0
1

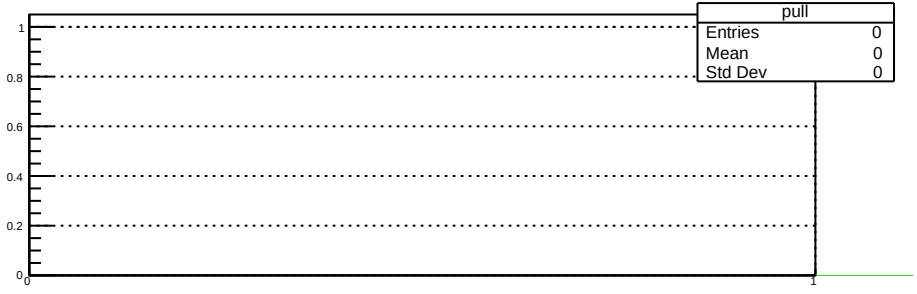

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
–8
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–4
–2
0
2
4
6
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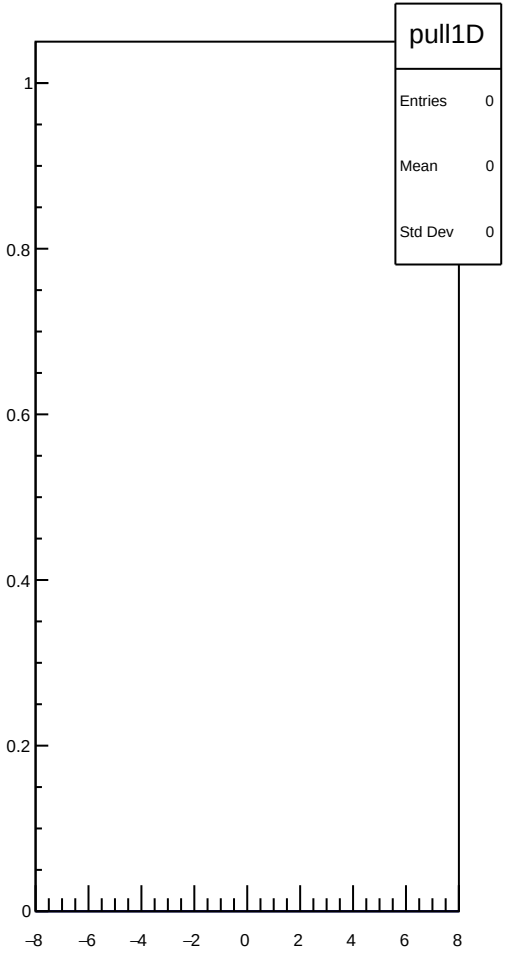

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

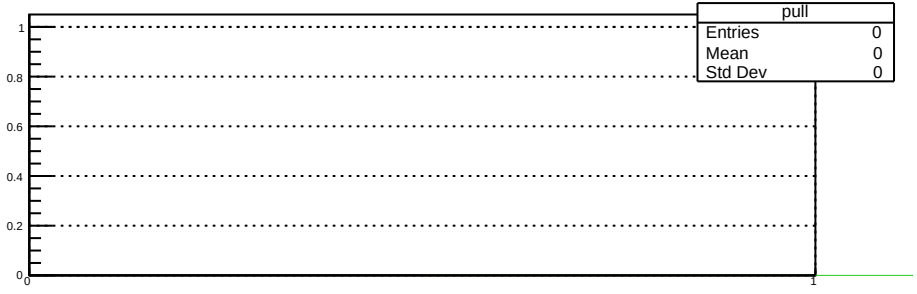

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

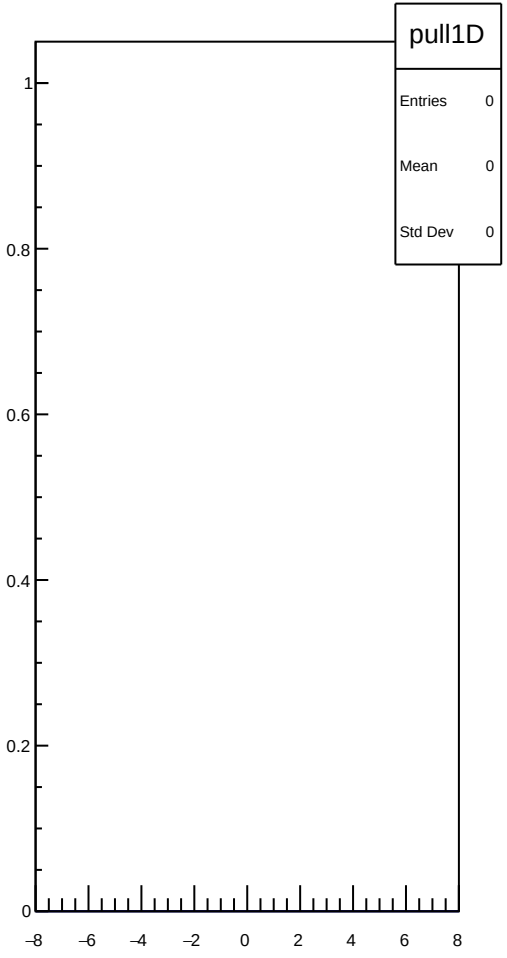

pull
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
0
1

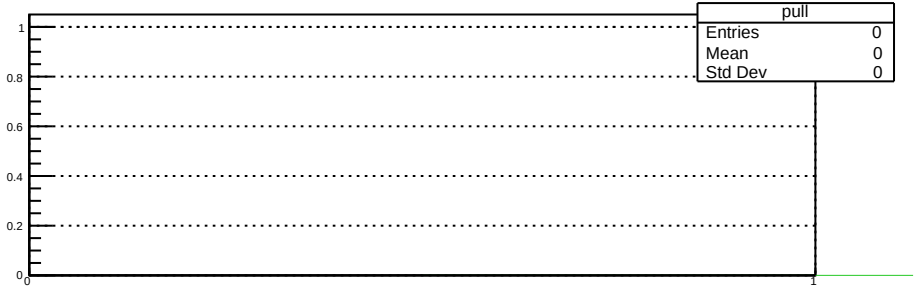

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

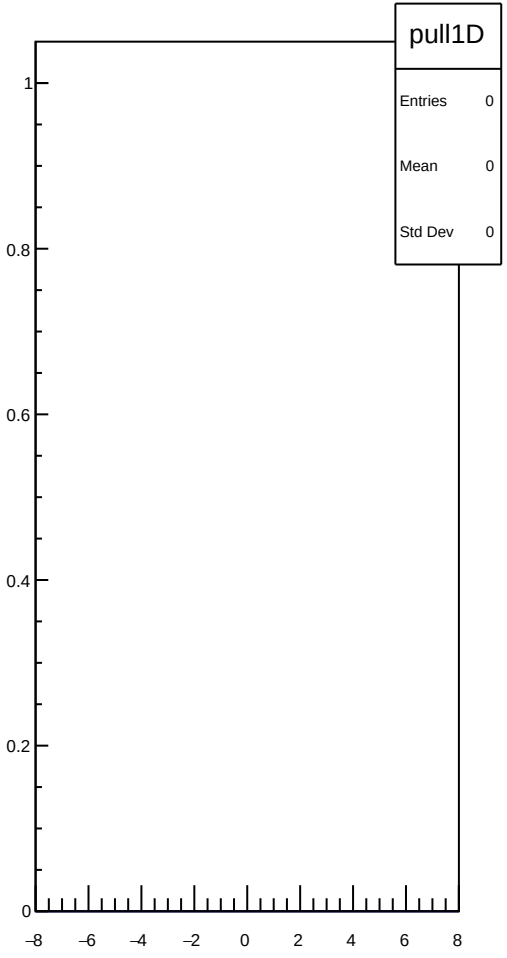

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
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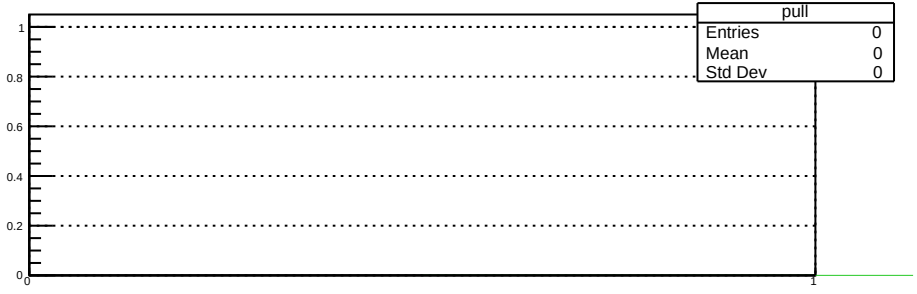

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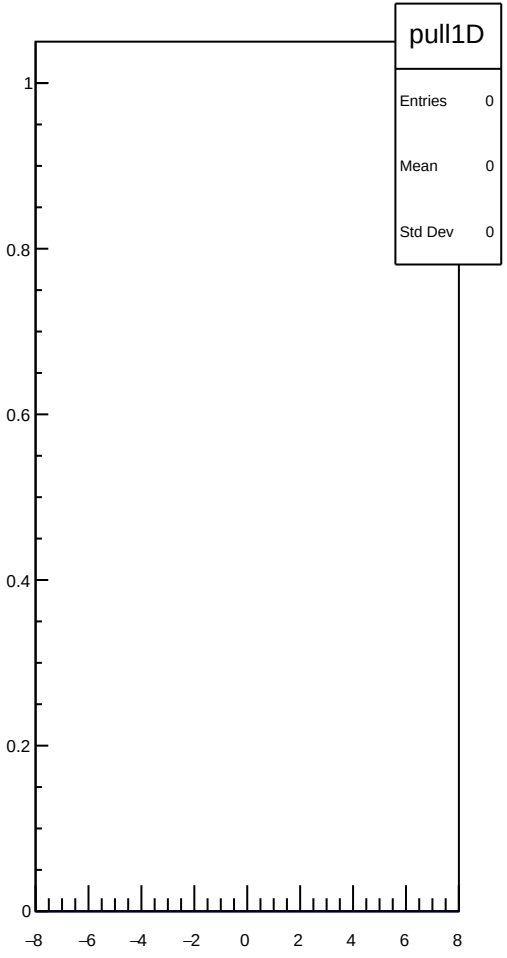

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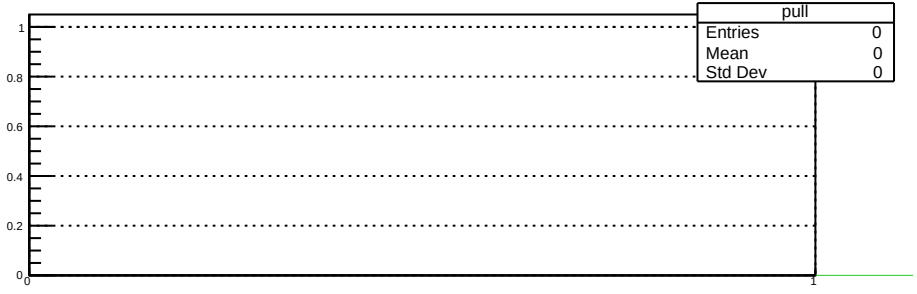

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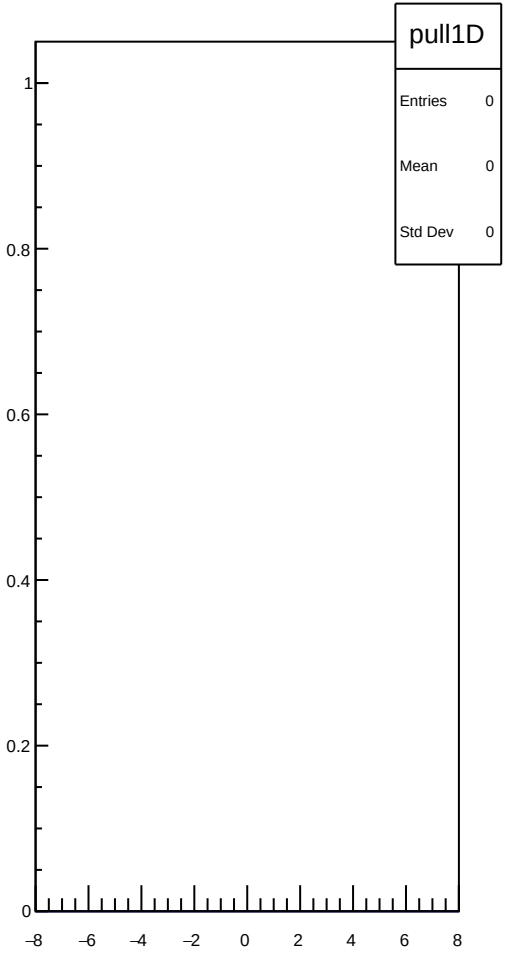

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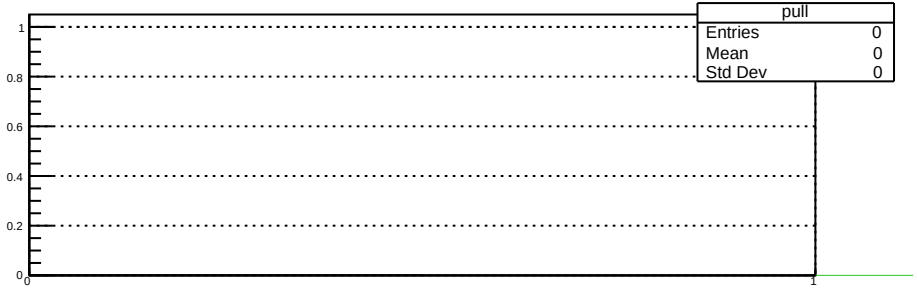

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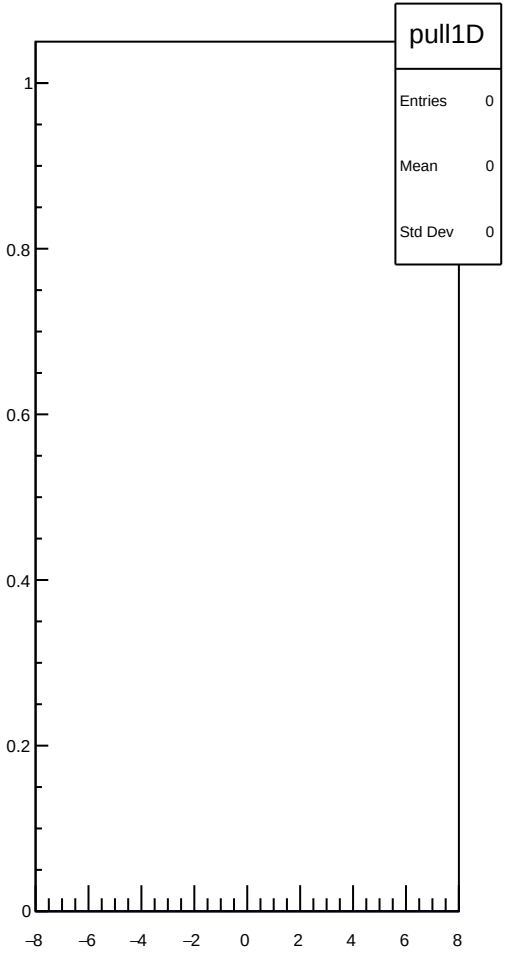

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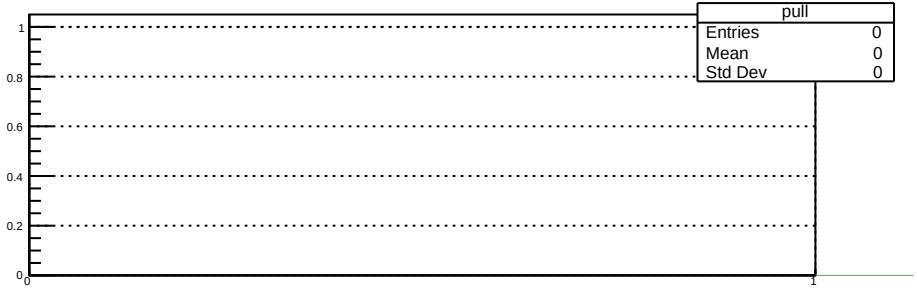

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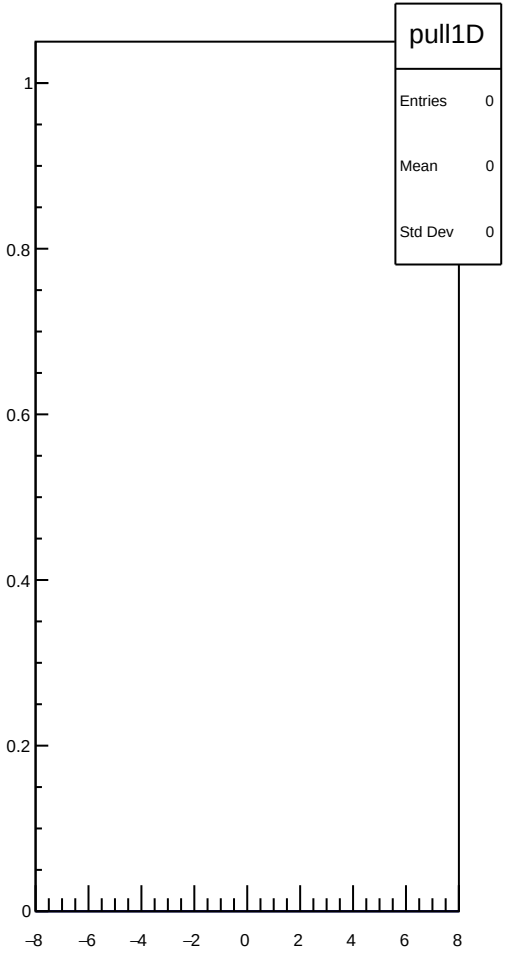

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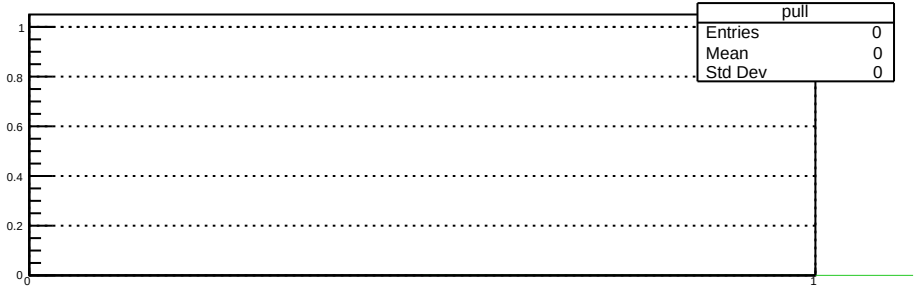

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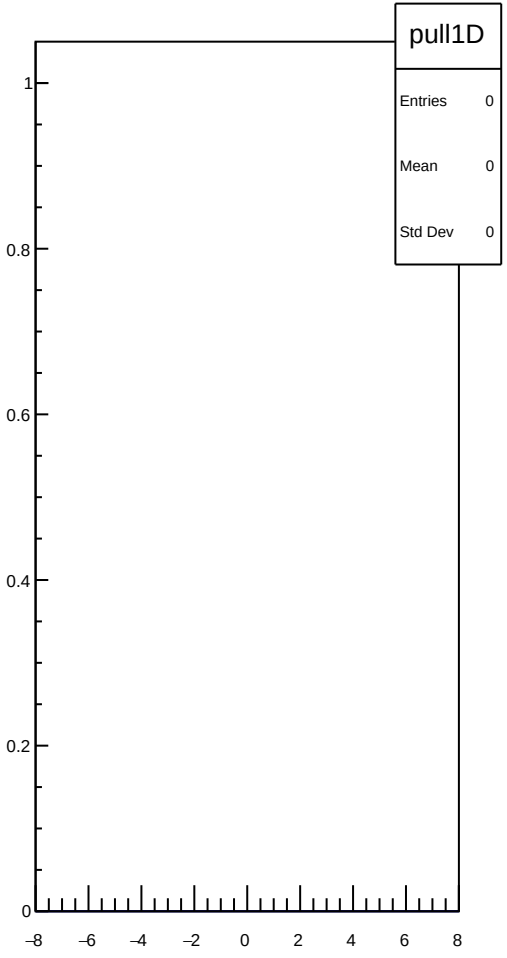

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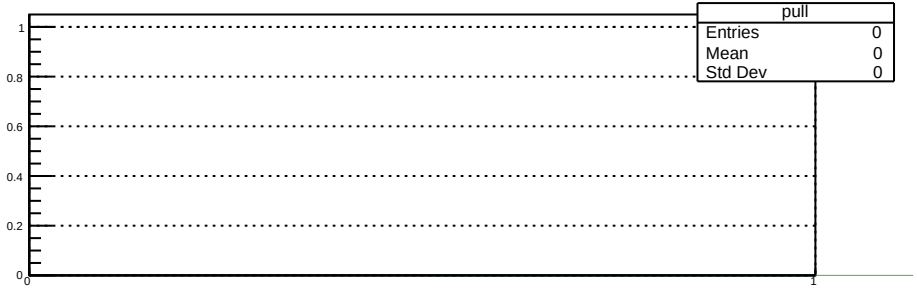

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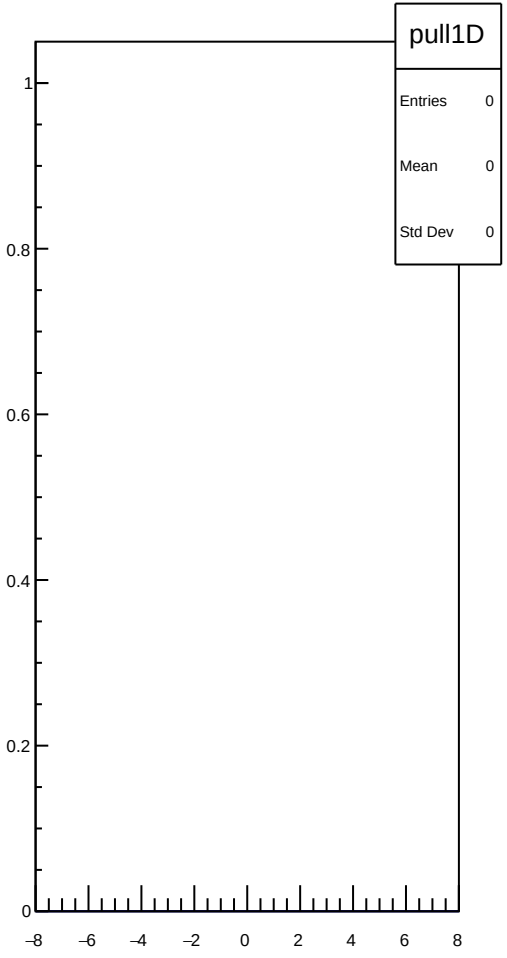

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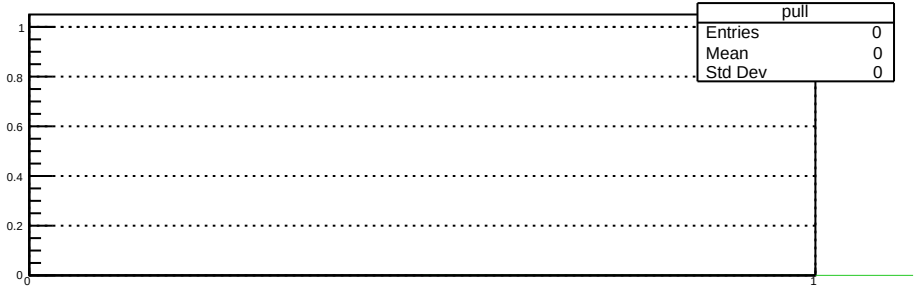

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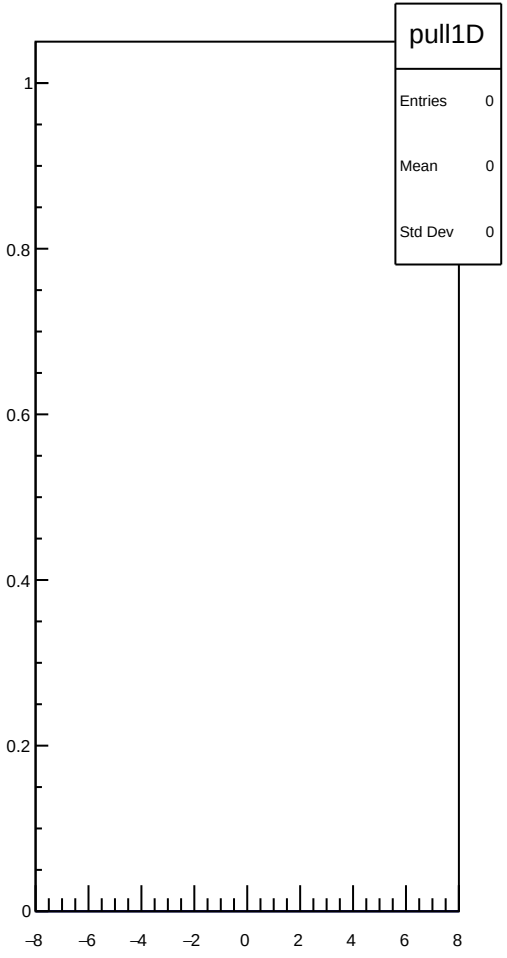

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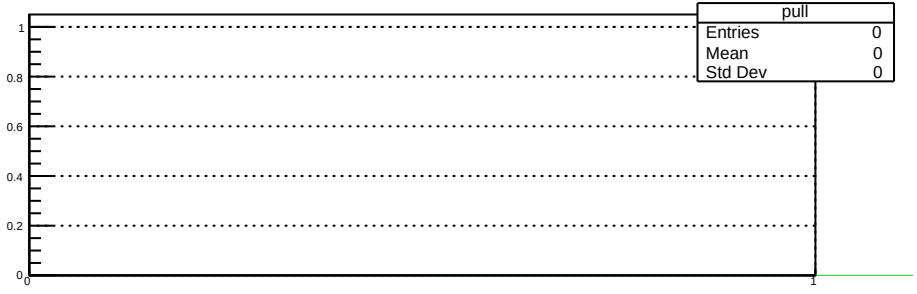

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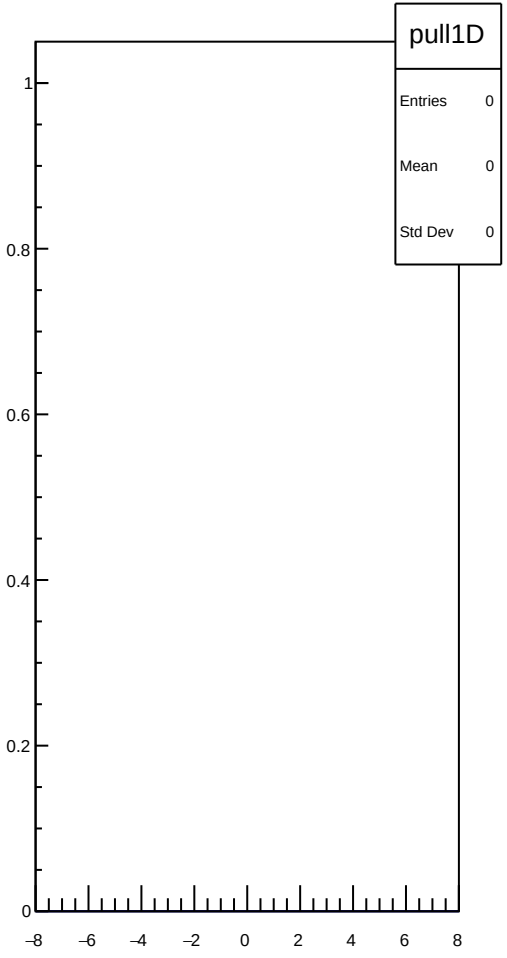

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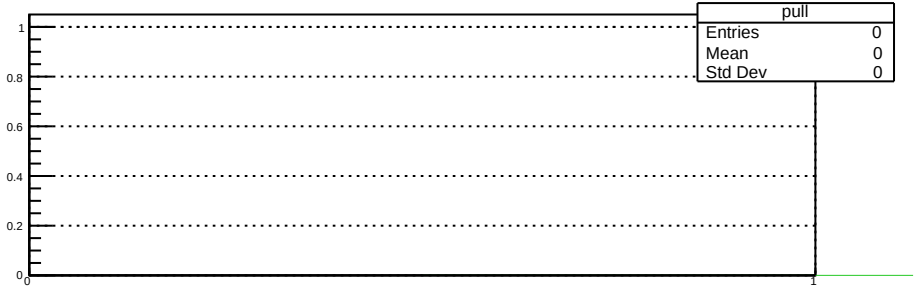

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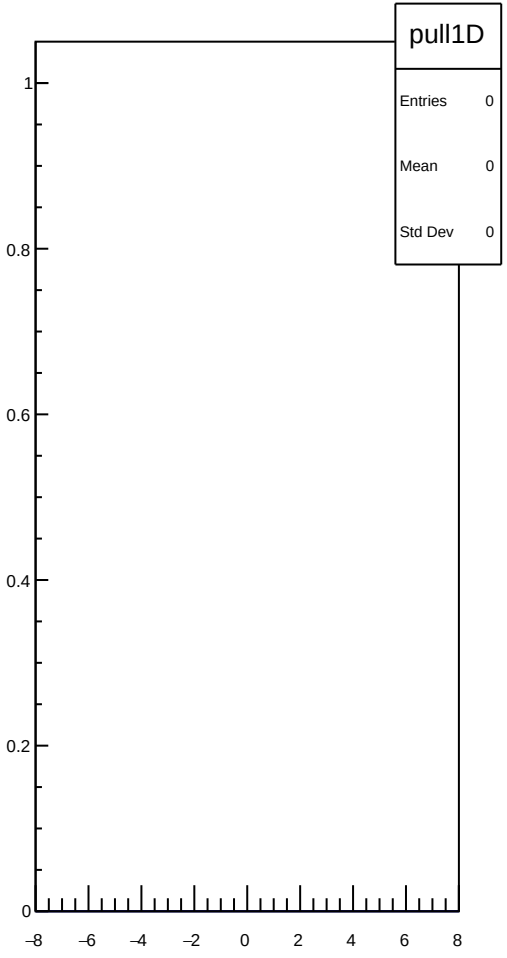

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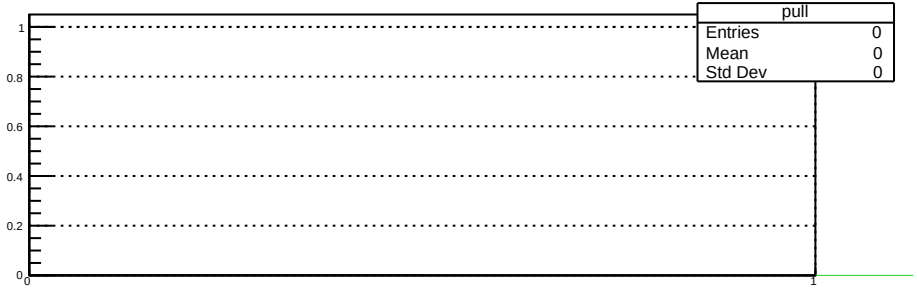

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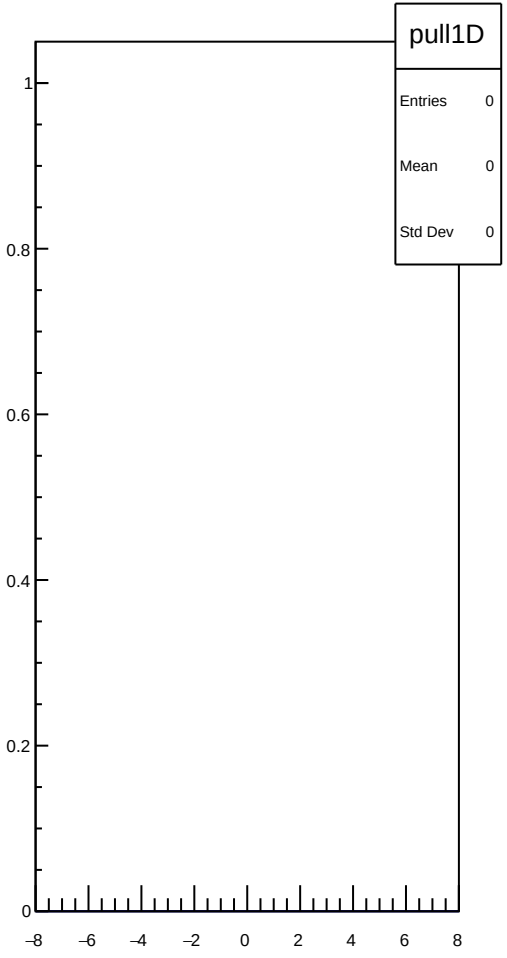

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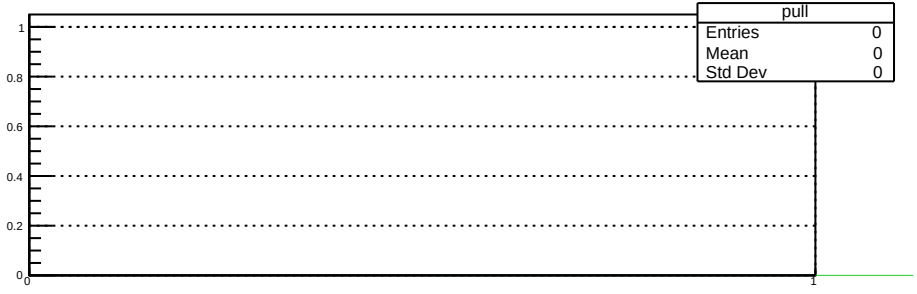

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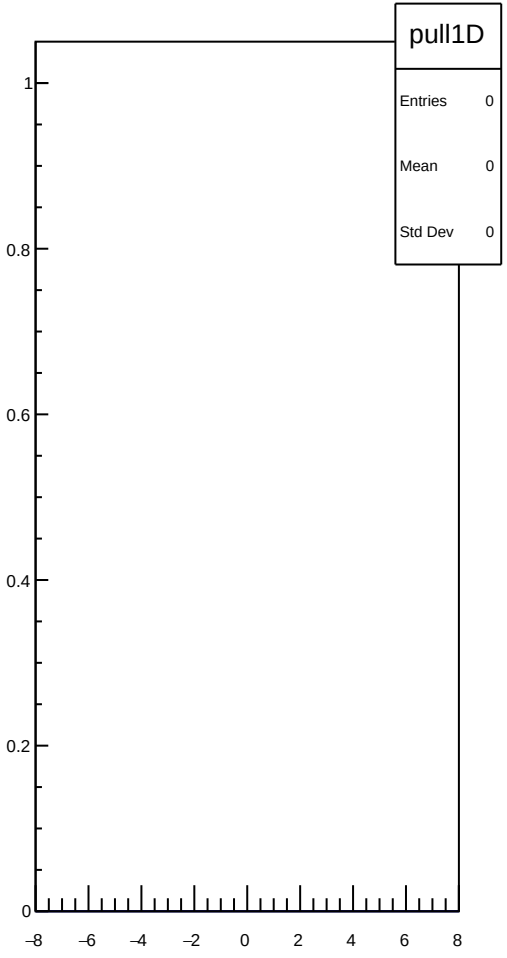

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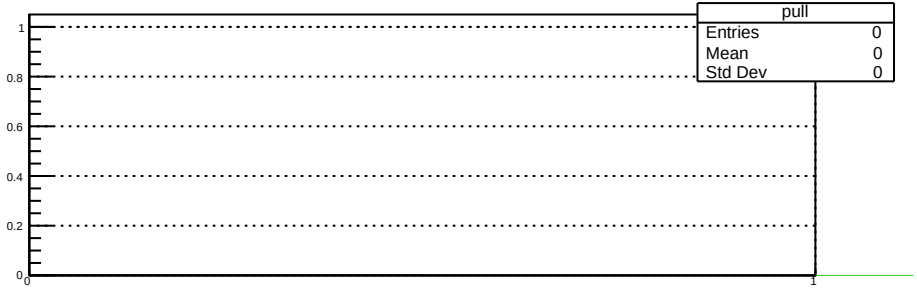

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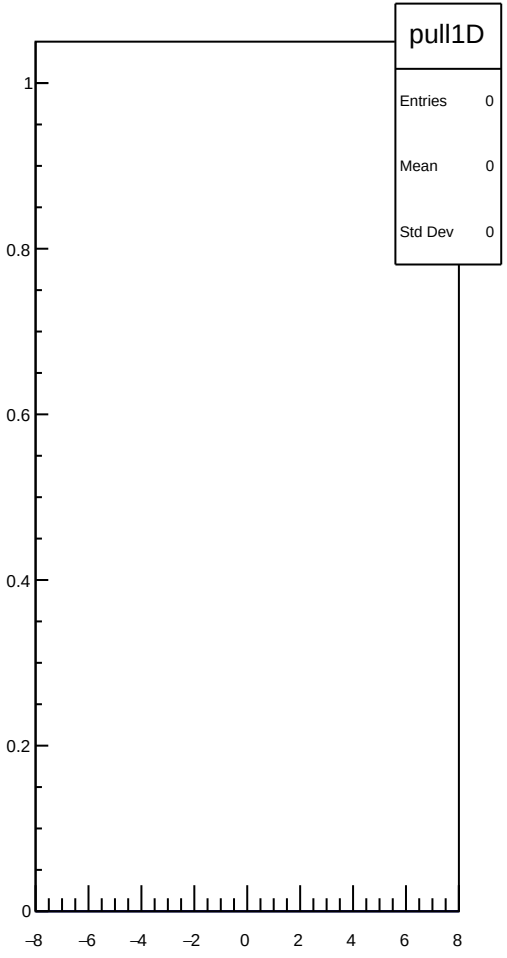

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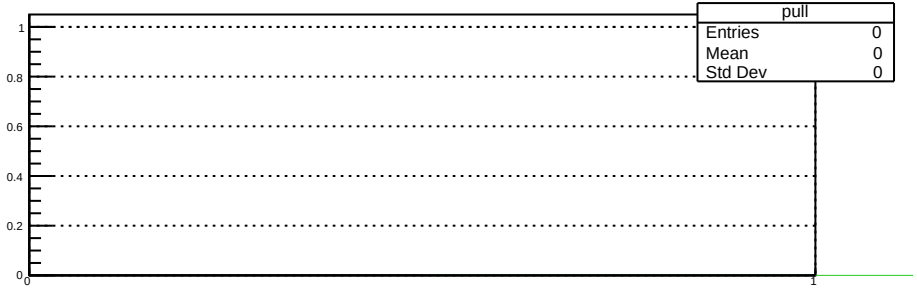

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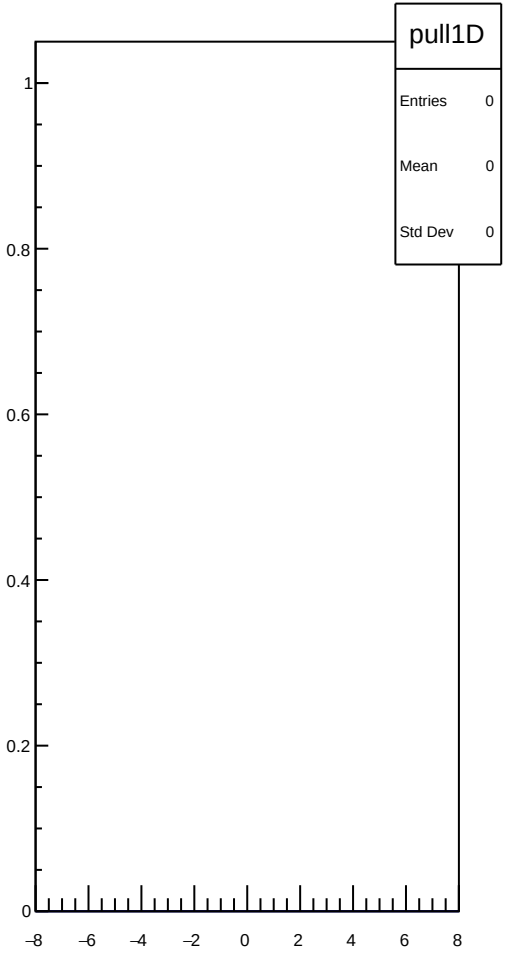

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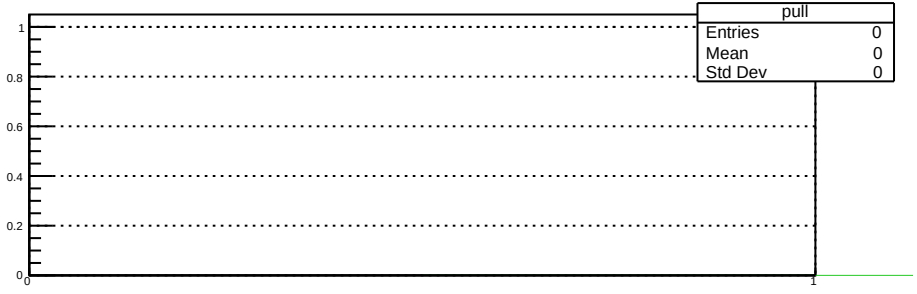

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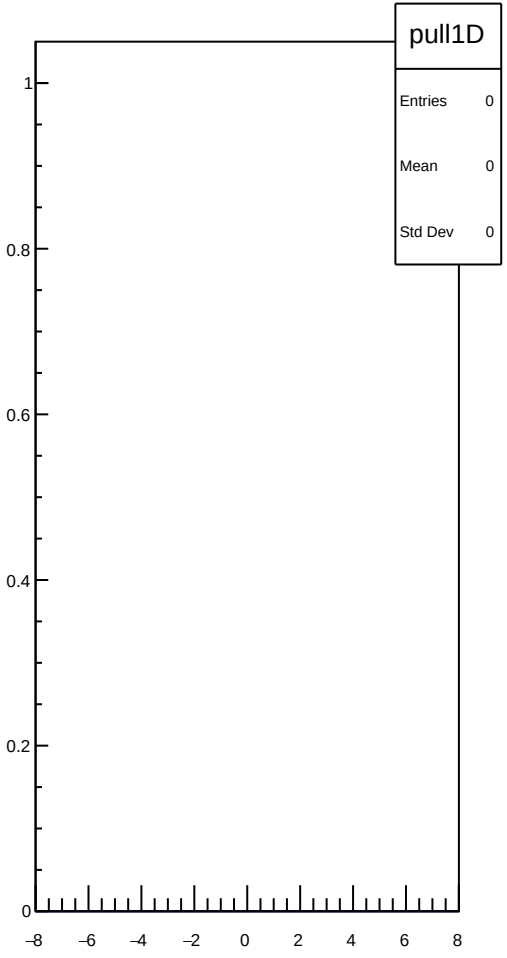

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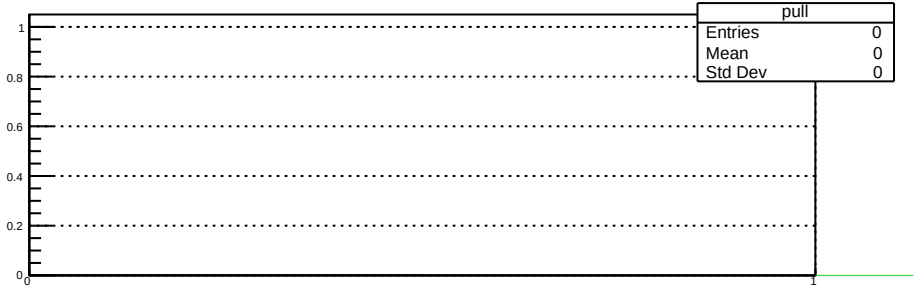

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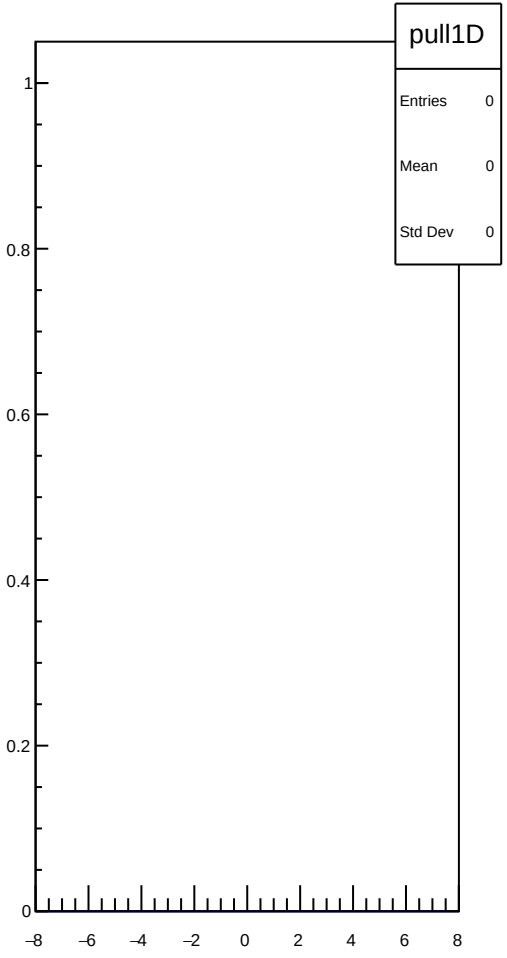

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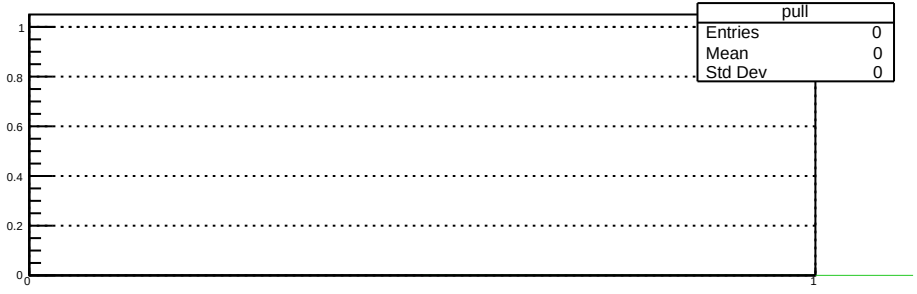

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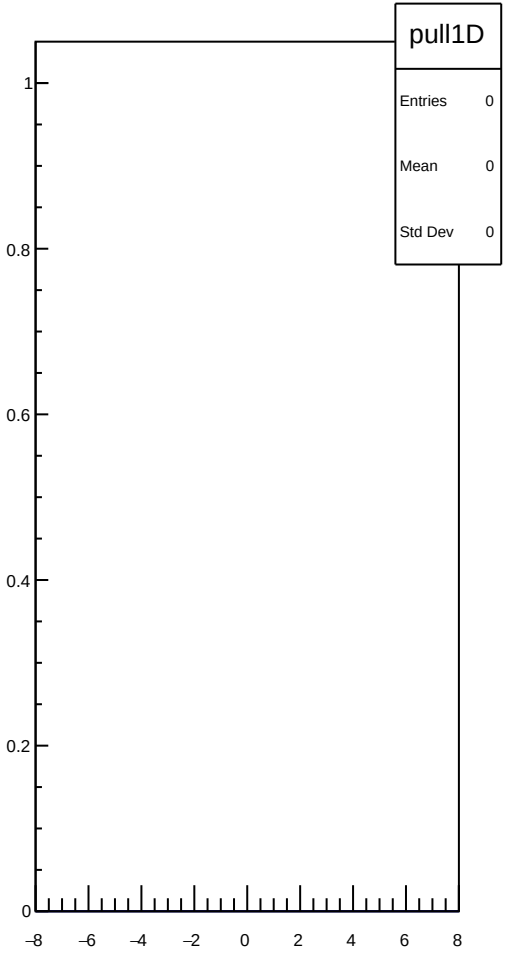

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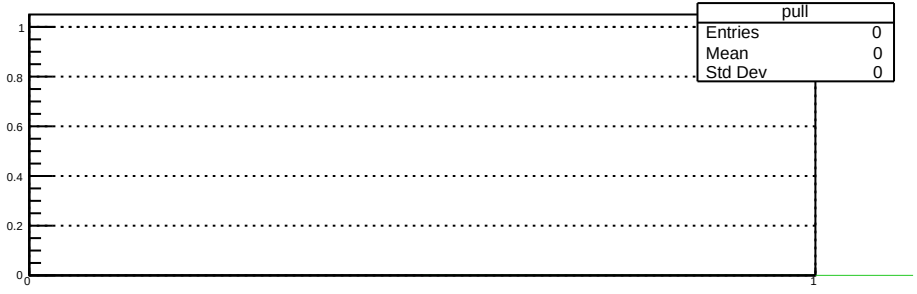

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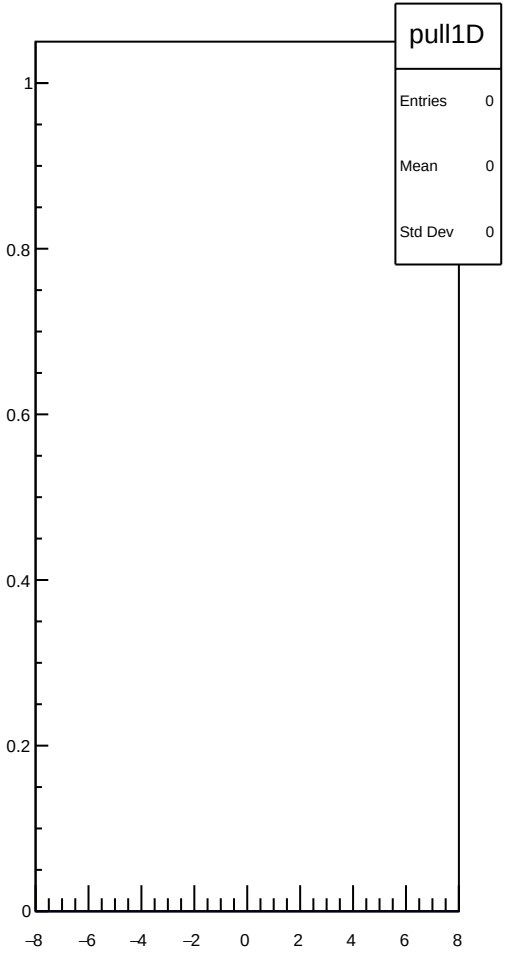

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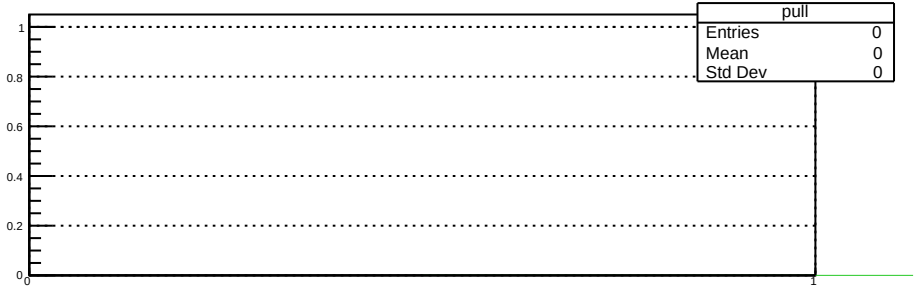

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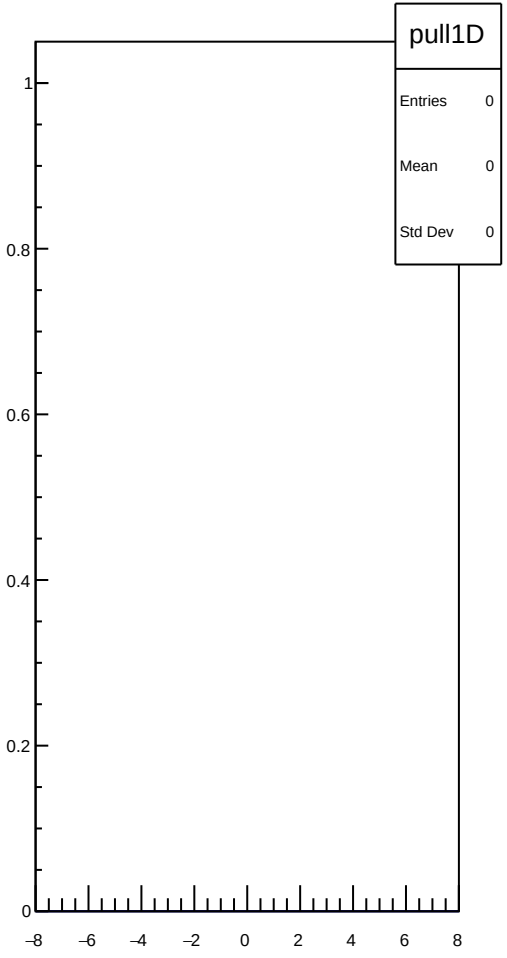

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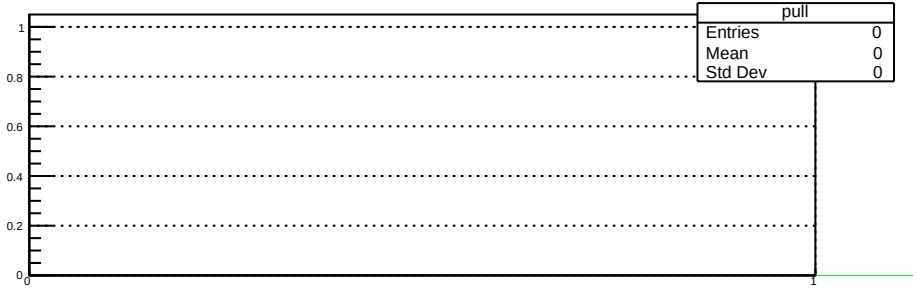

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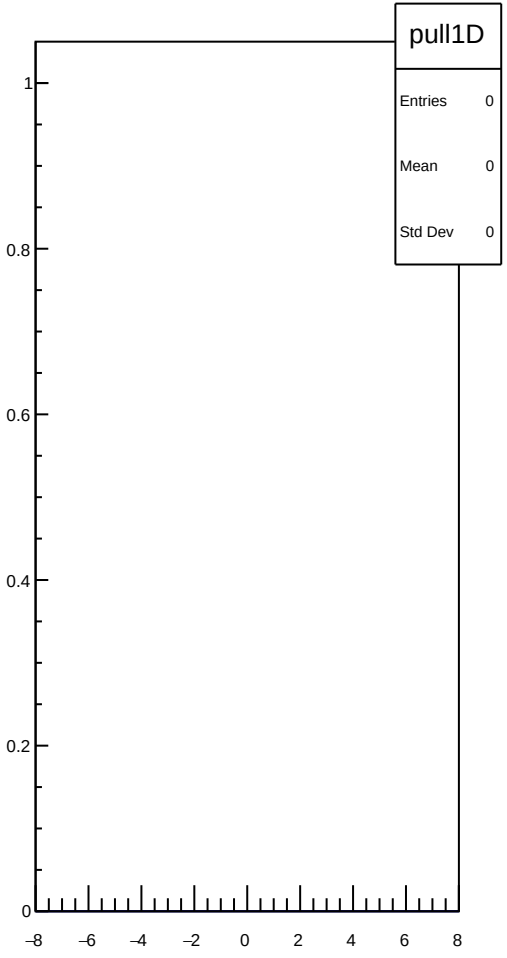

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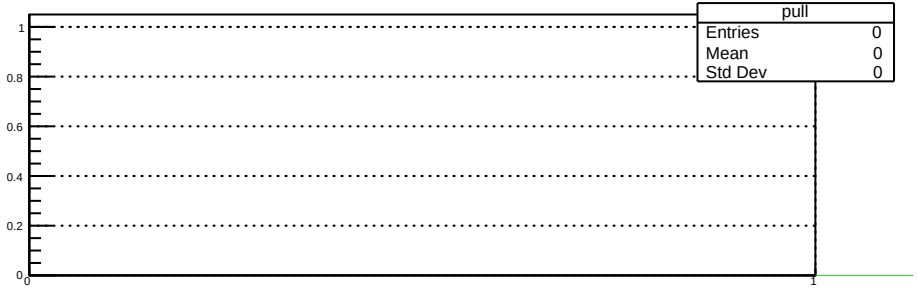

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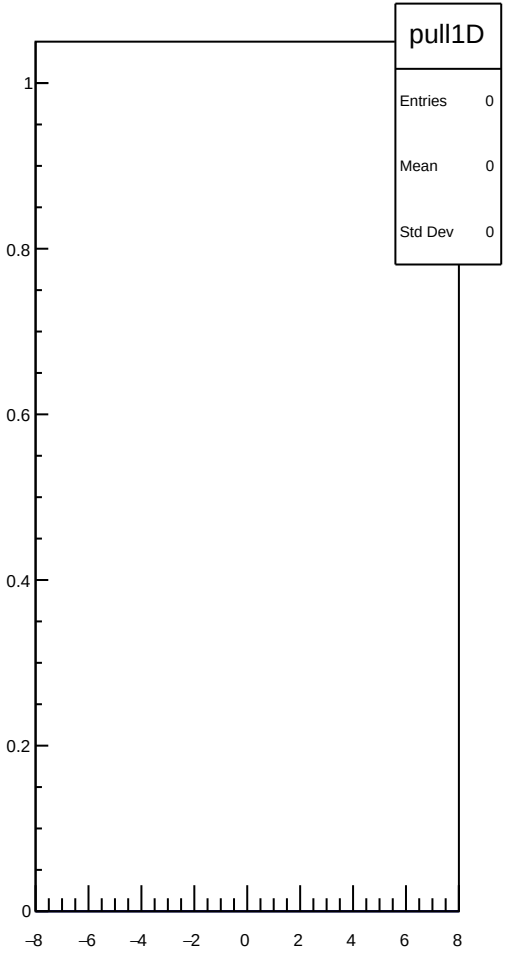

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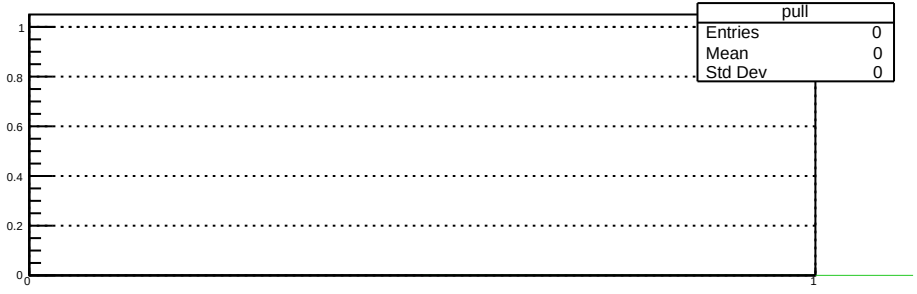

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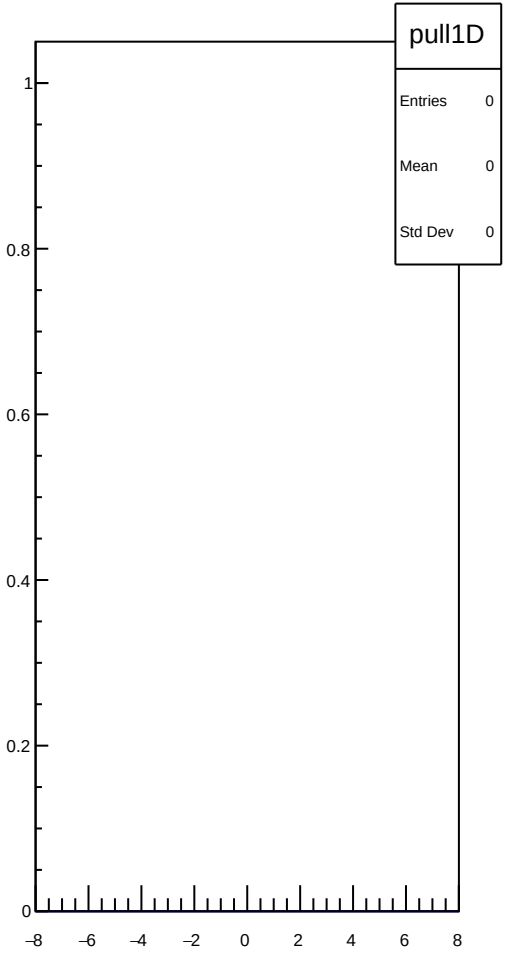

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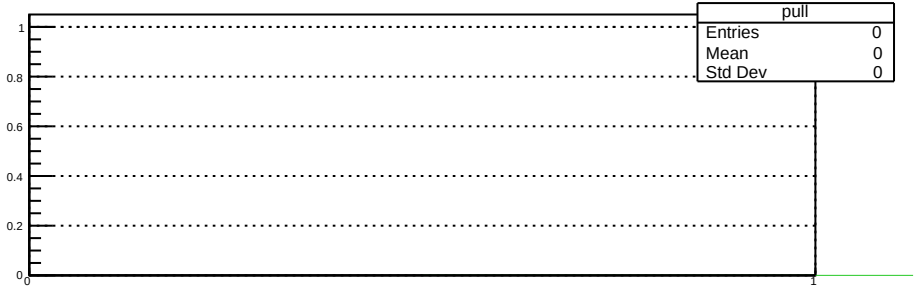

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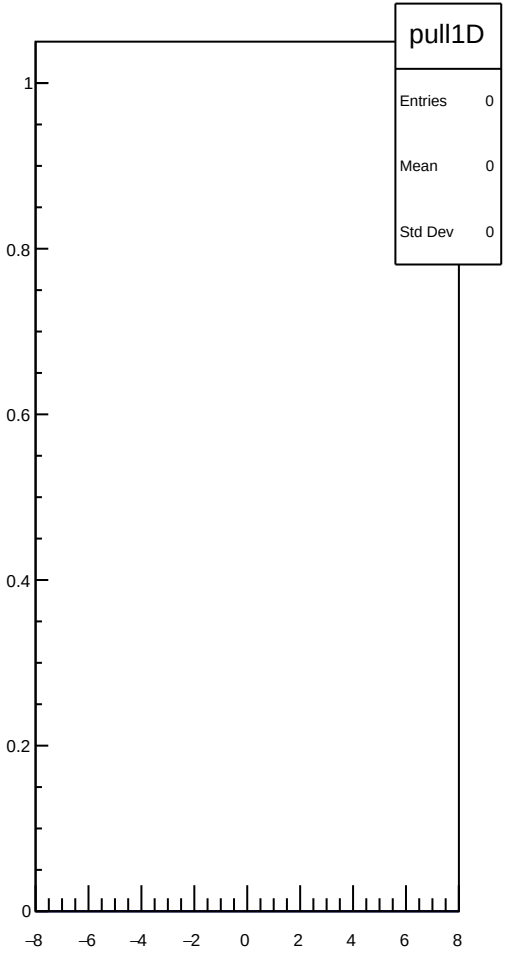

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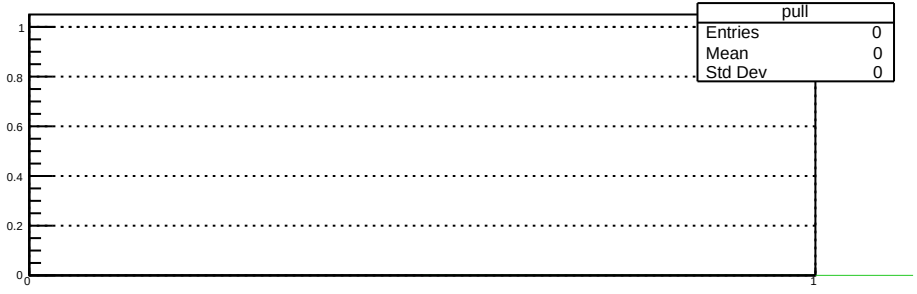

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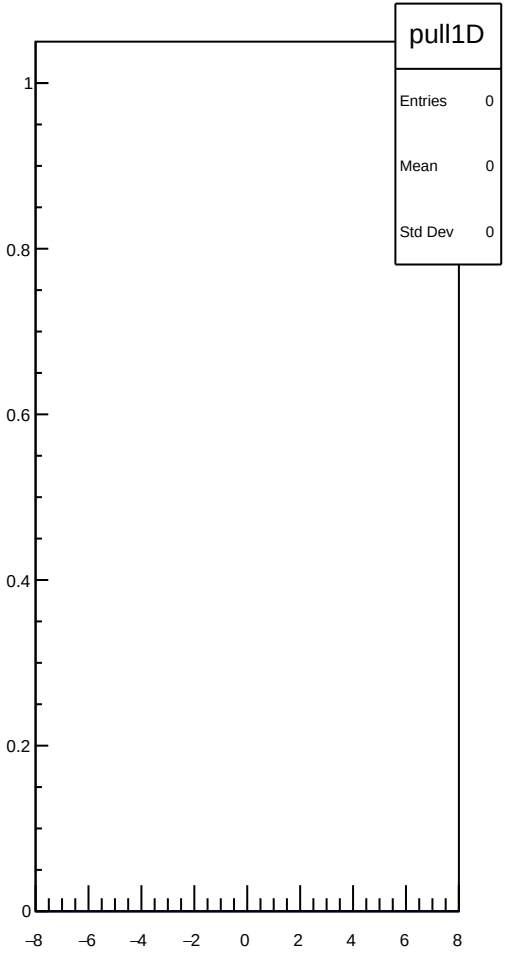

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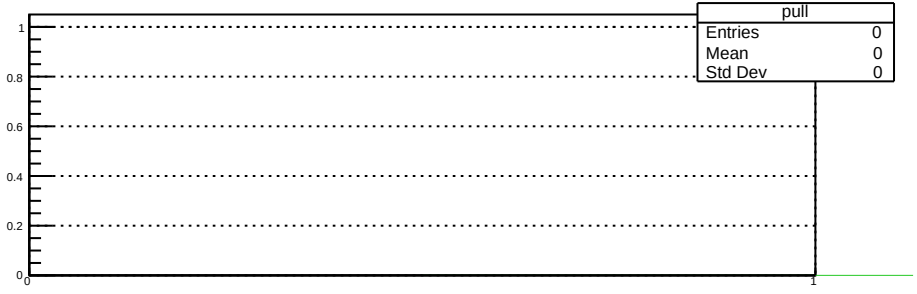

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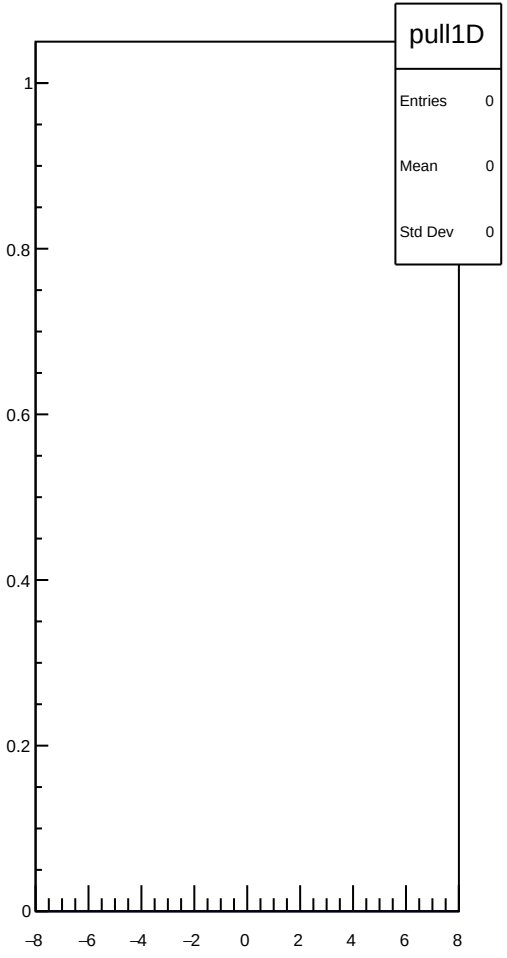

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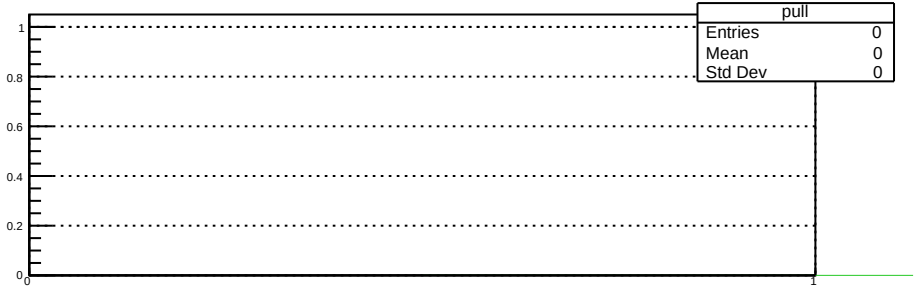

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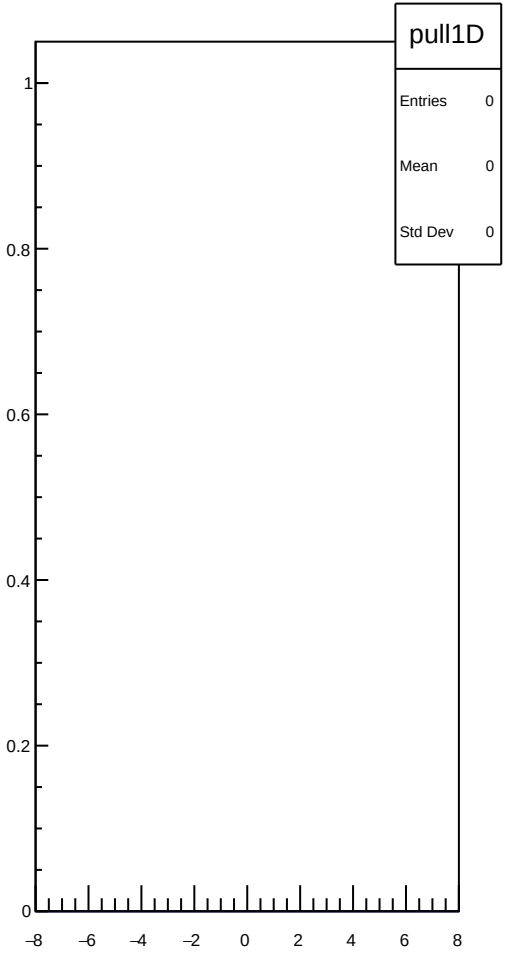

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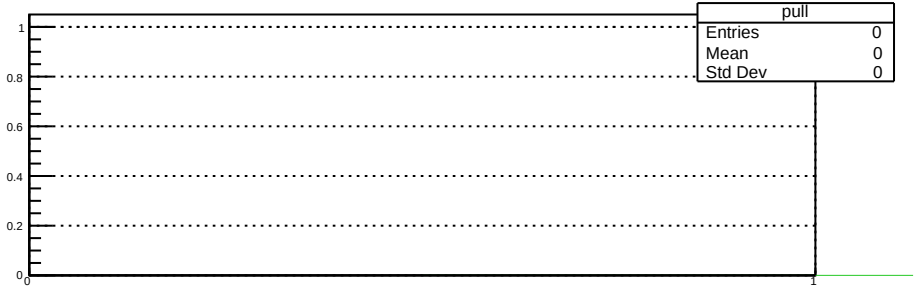

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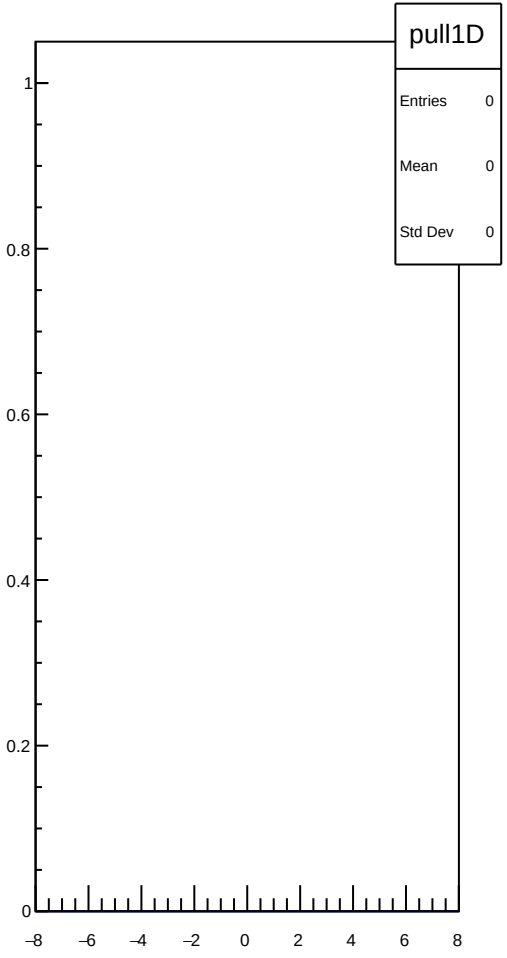

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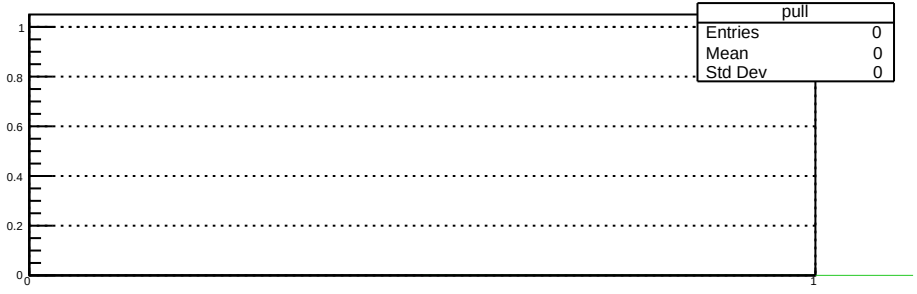

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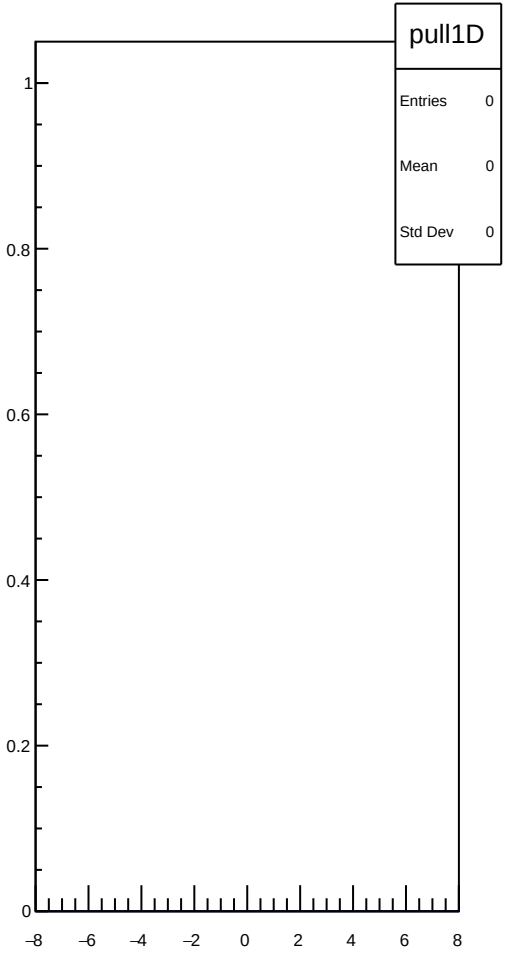

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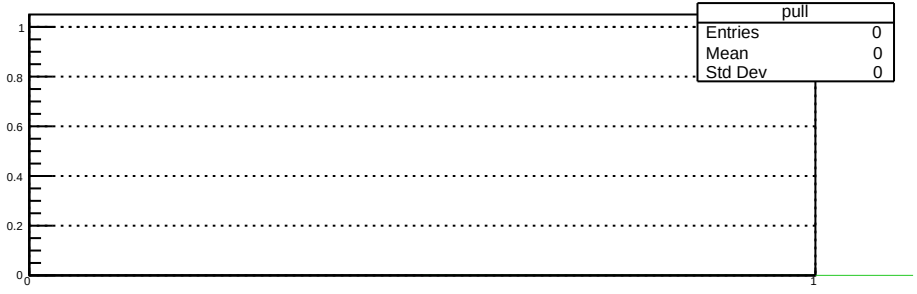

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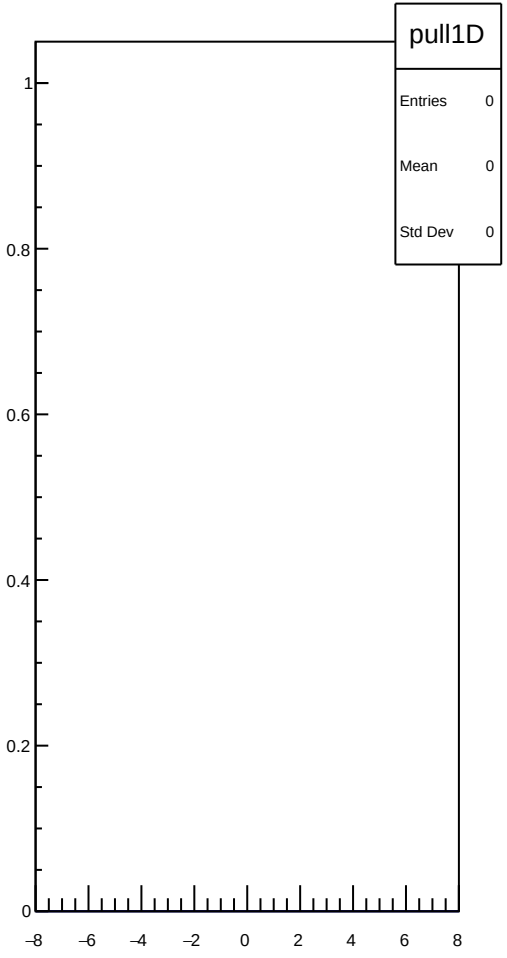

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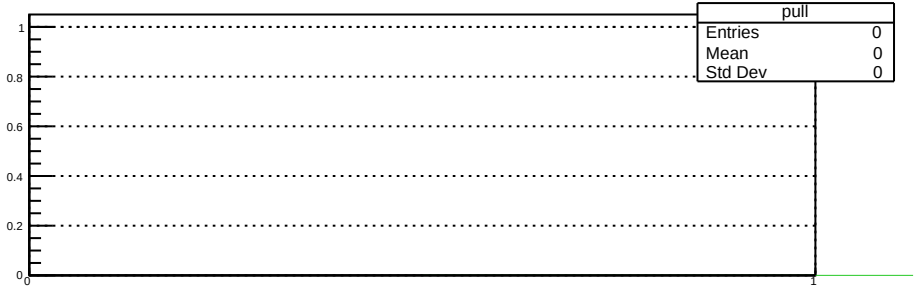

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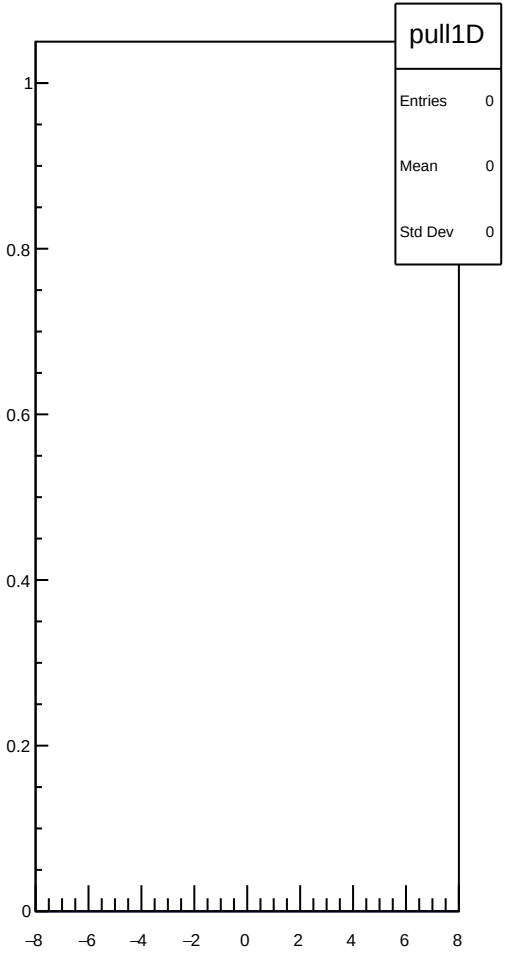

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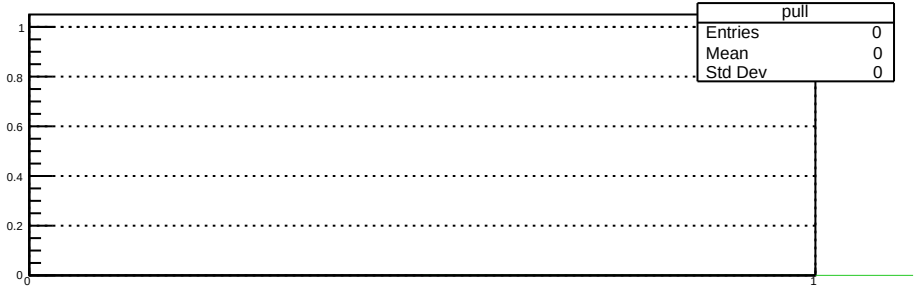

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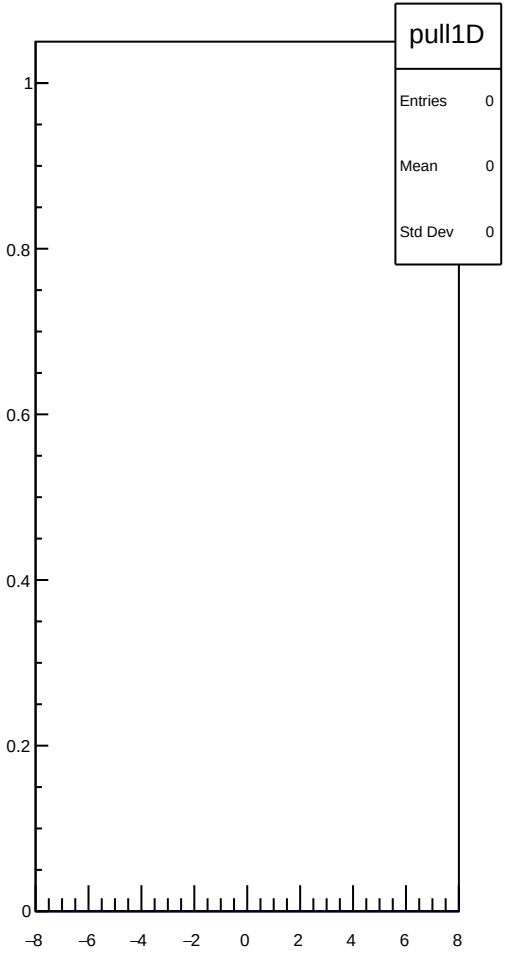

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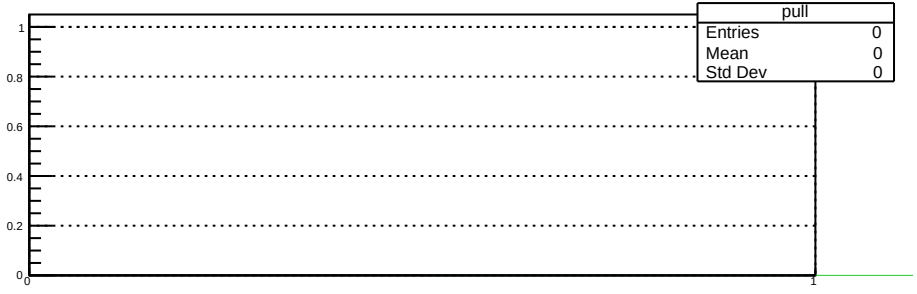

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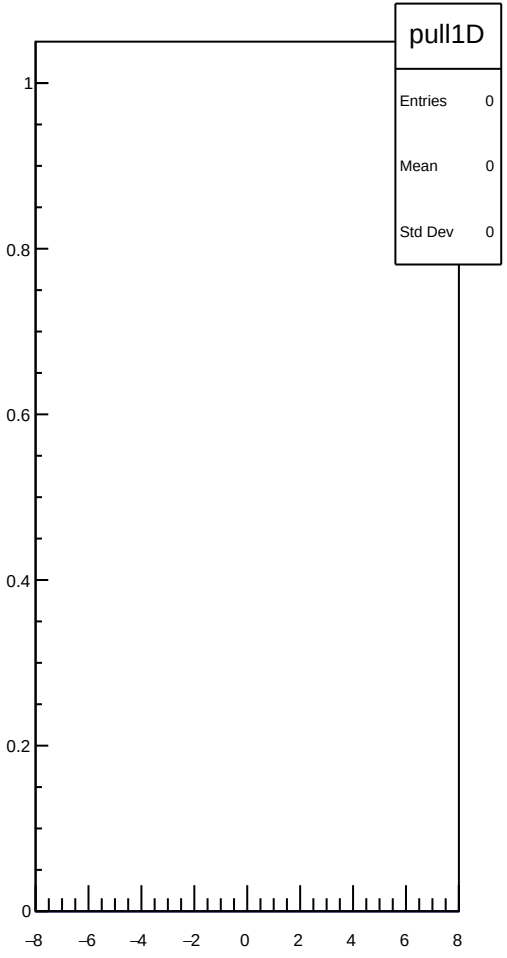

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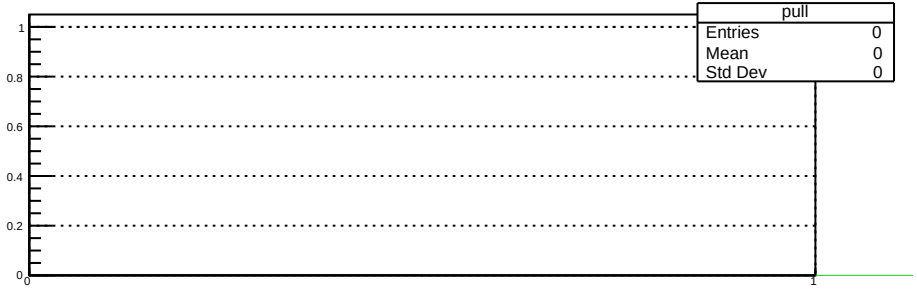

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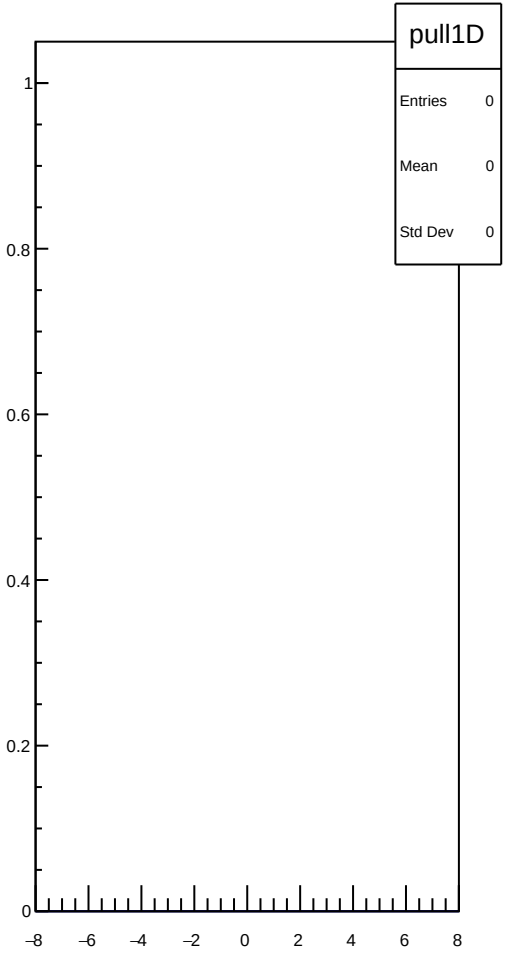

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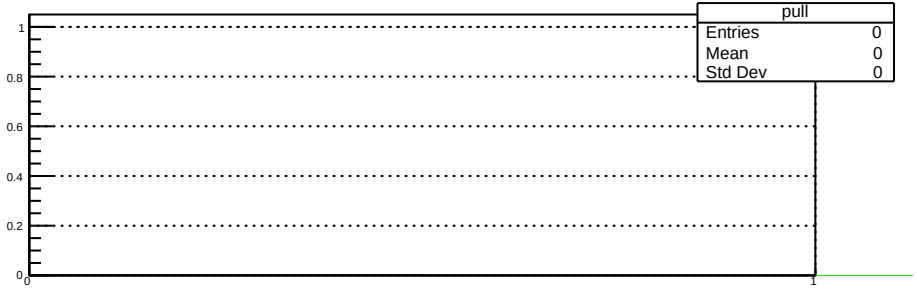

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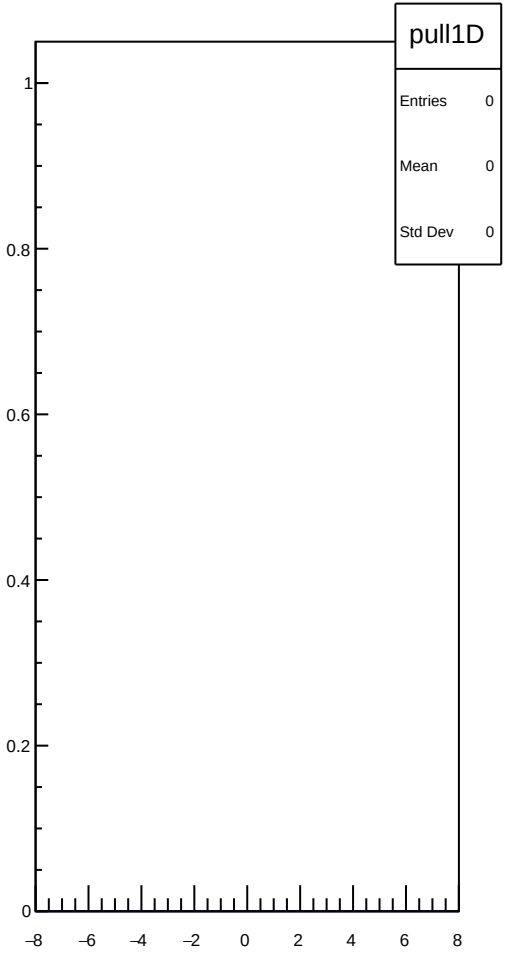

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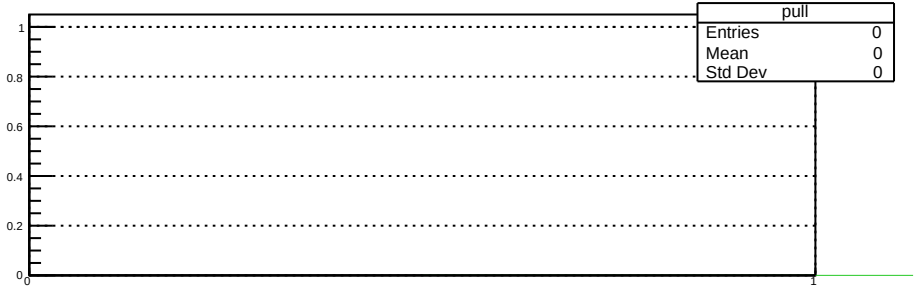

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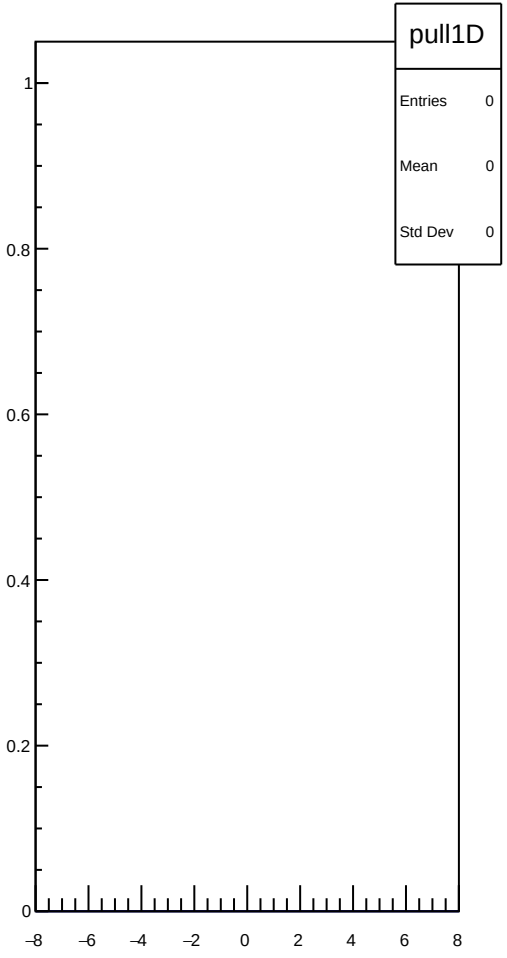

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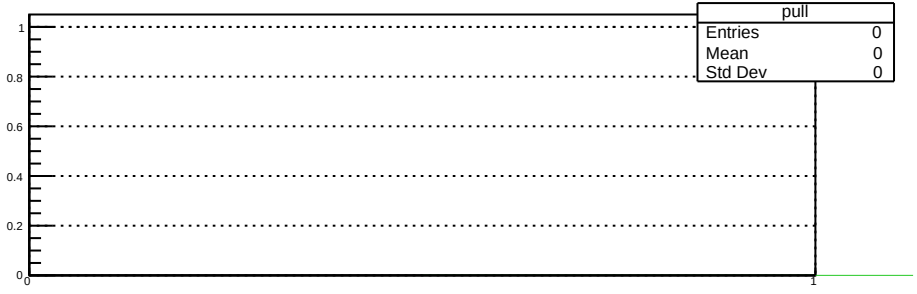

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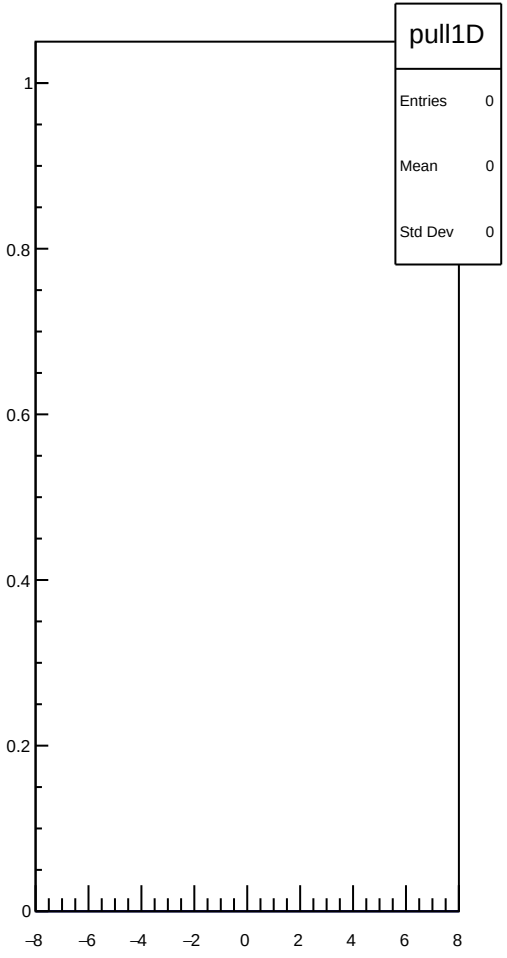

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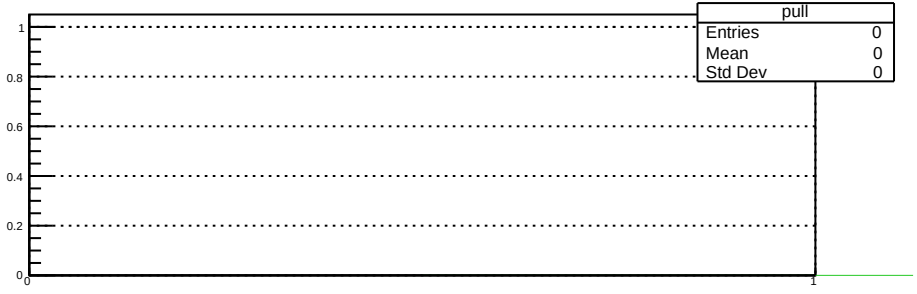

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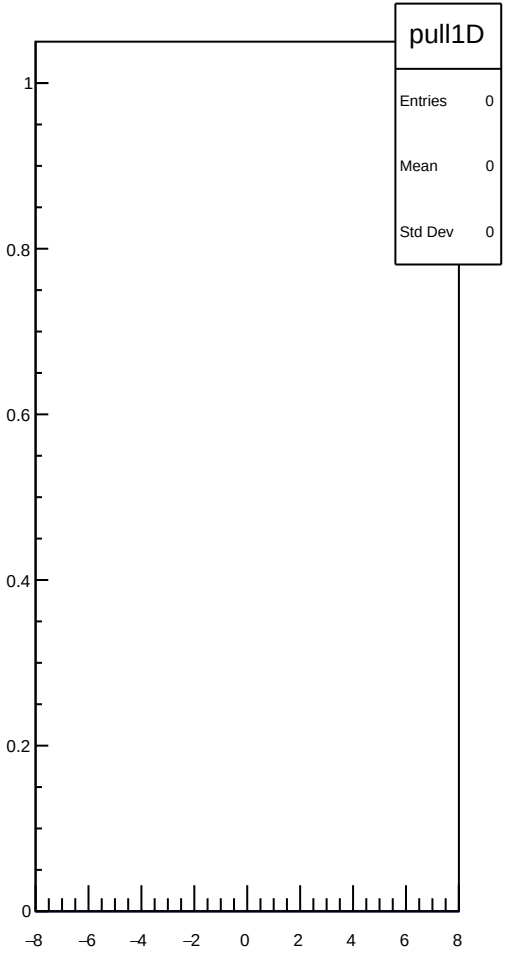

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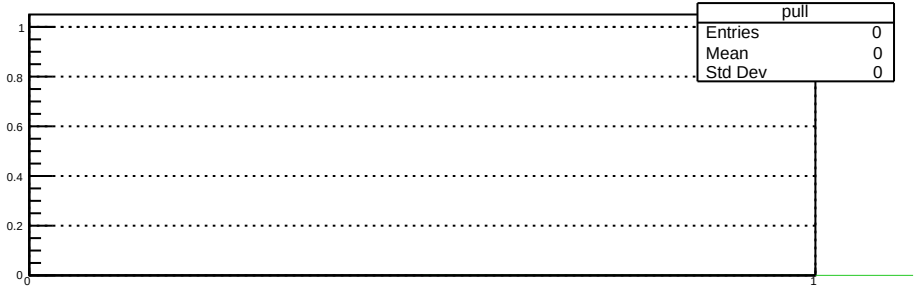

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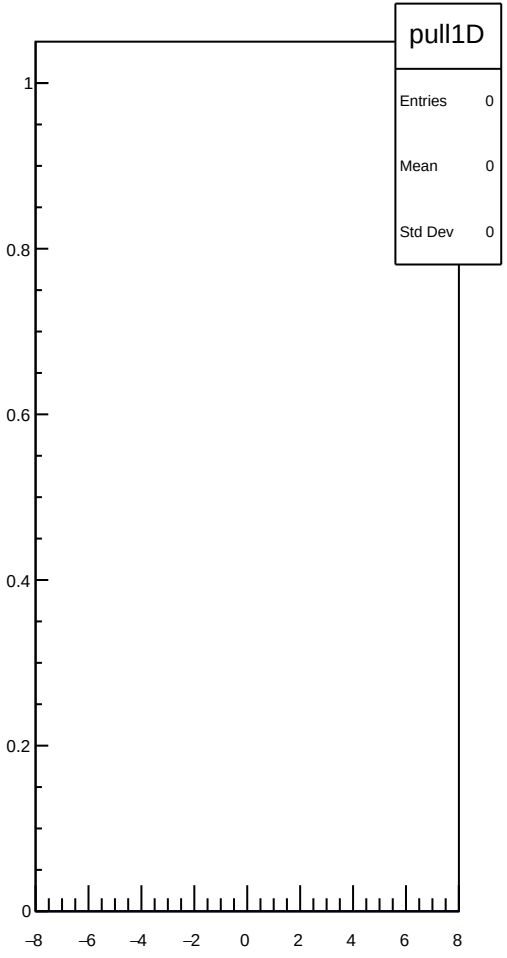

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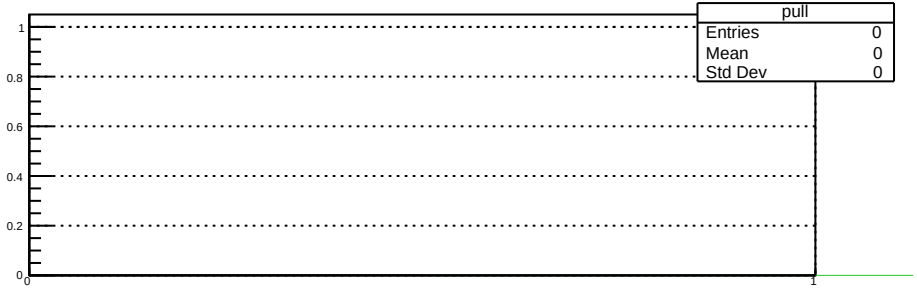

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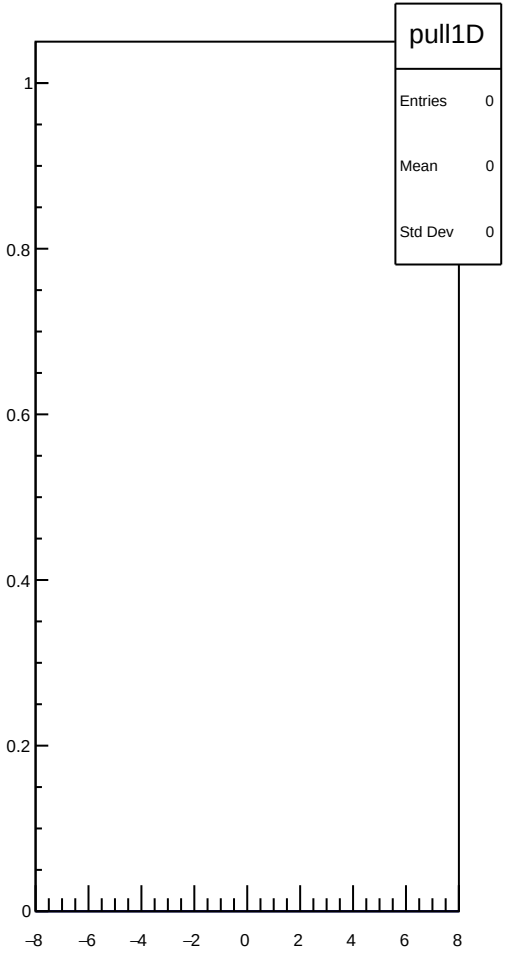

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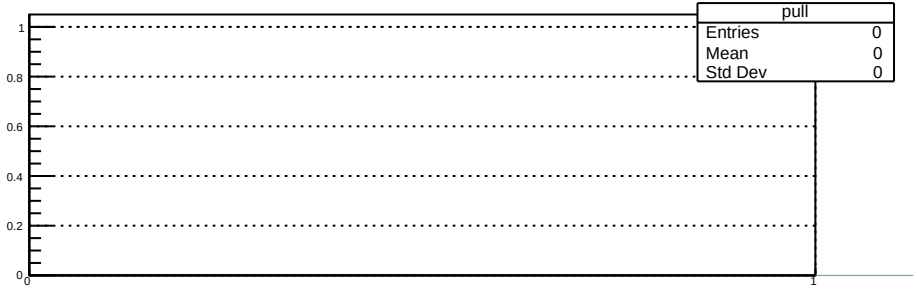

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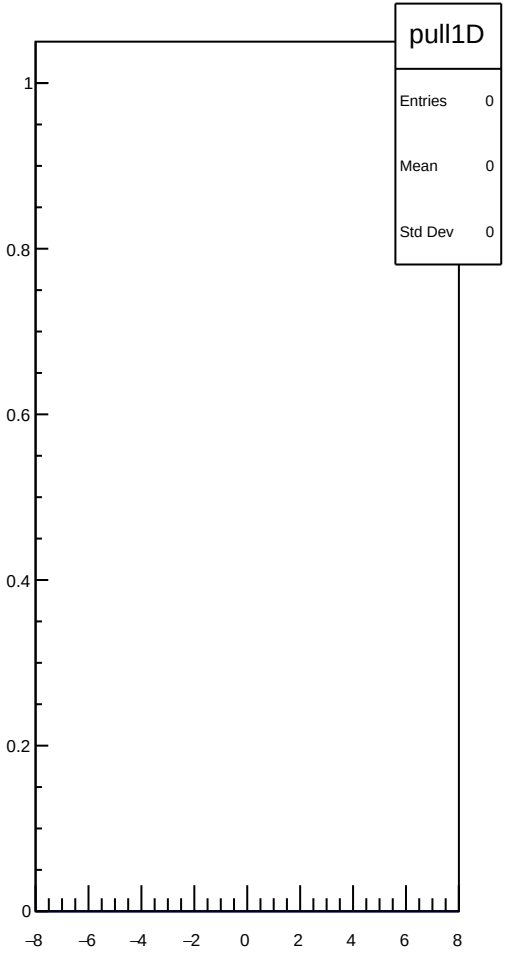

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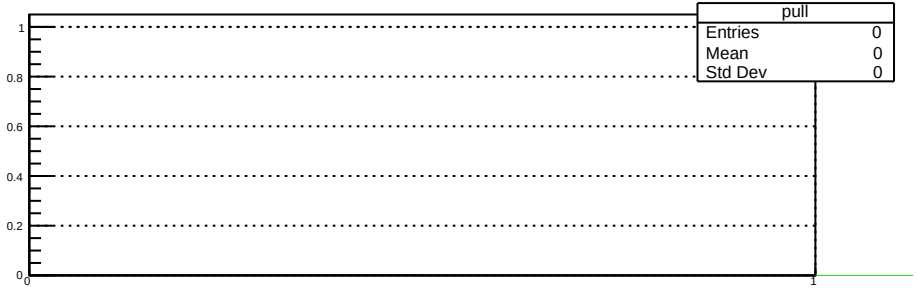

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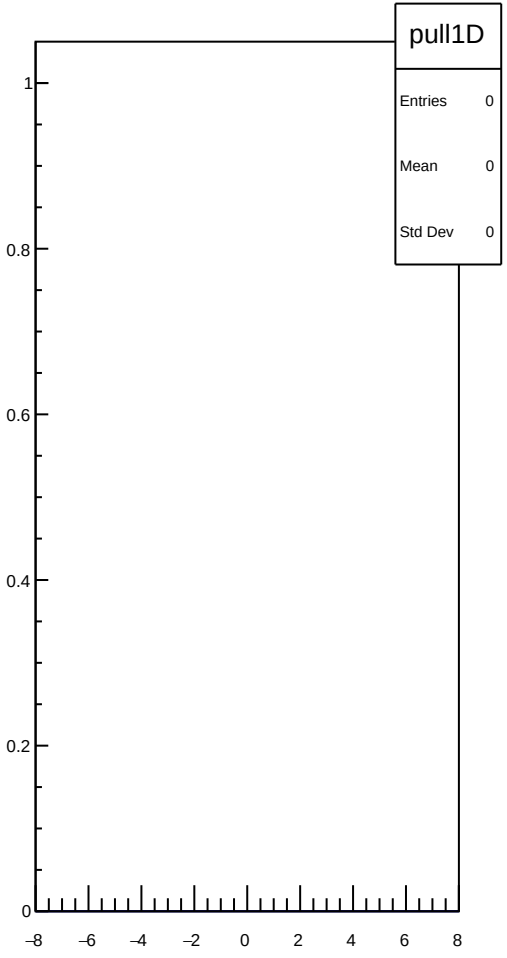

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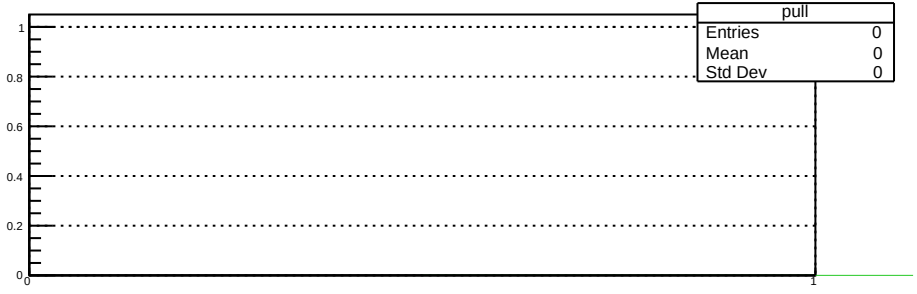

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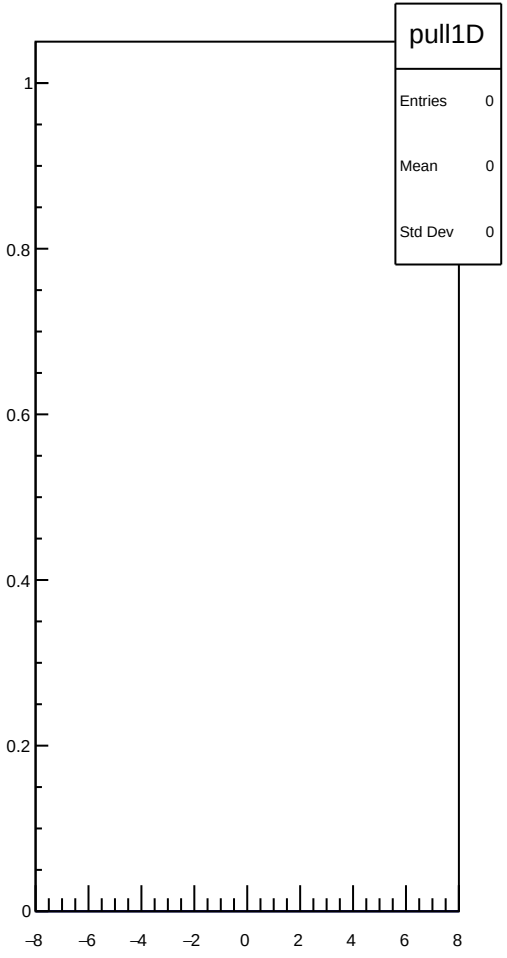

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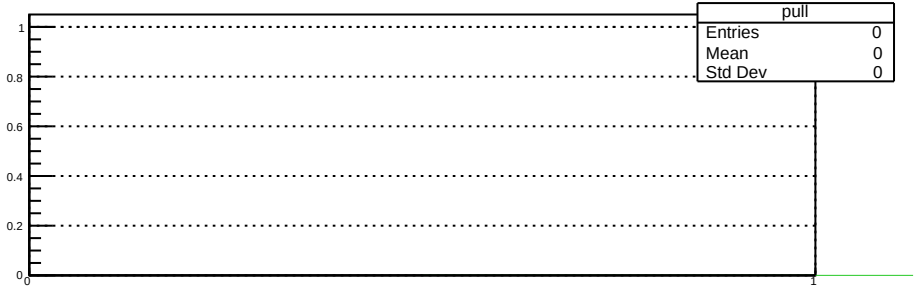

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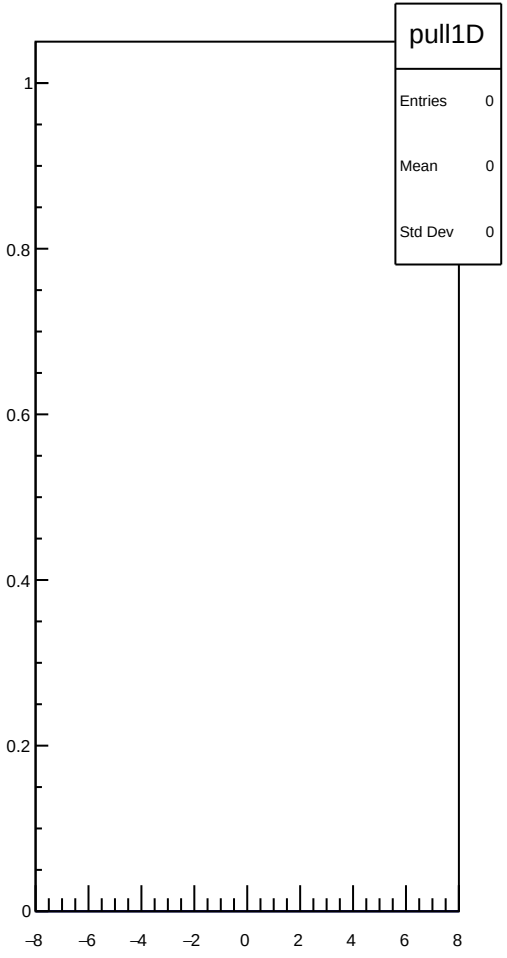

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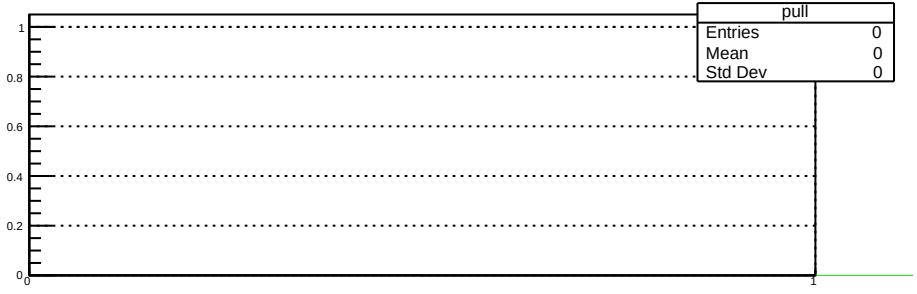

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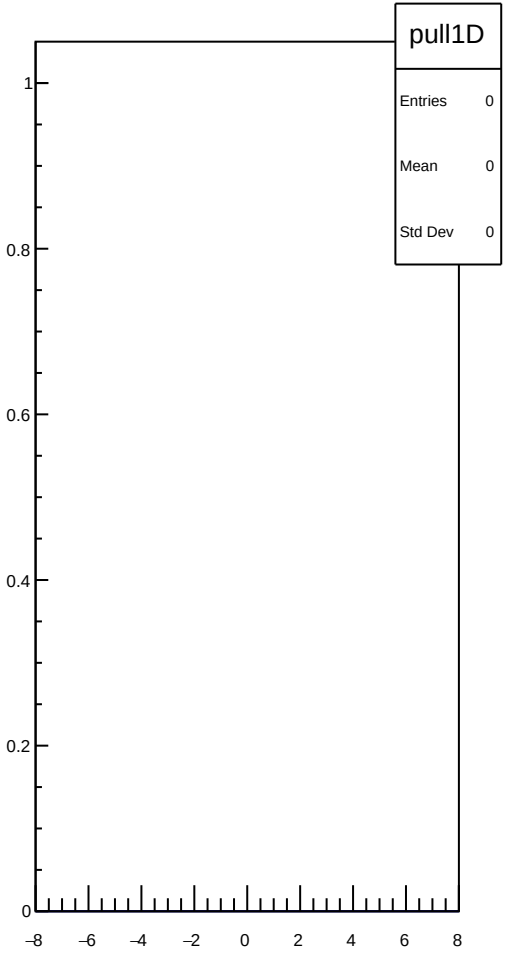

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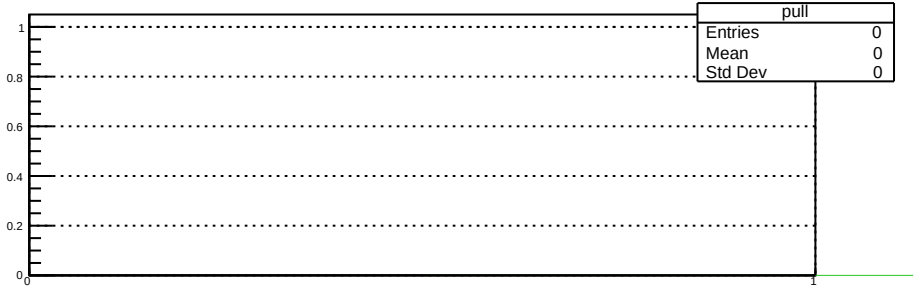

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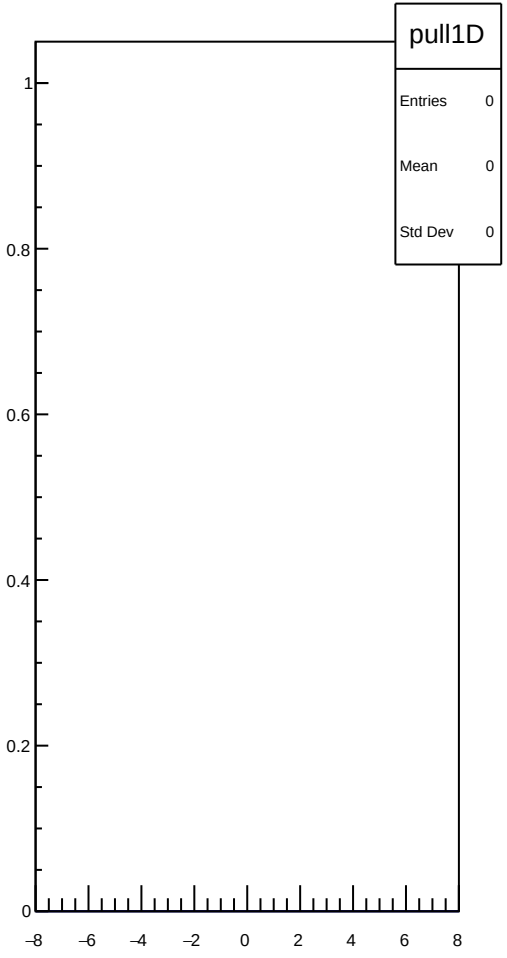

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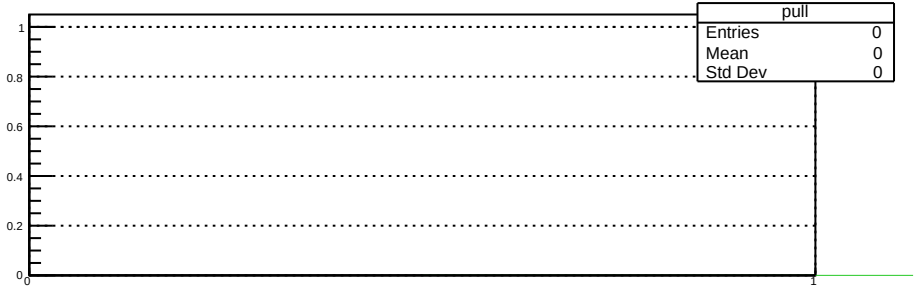

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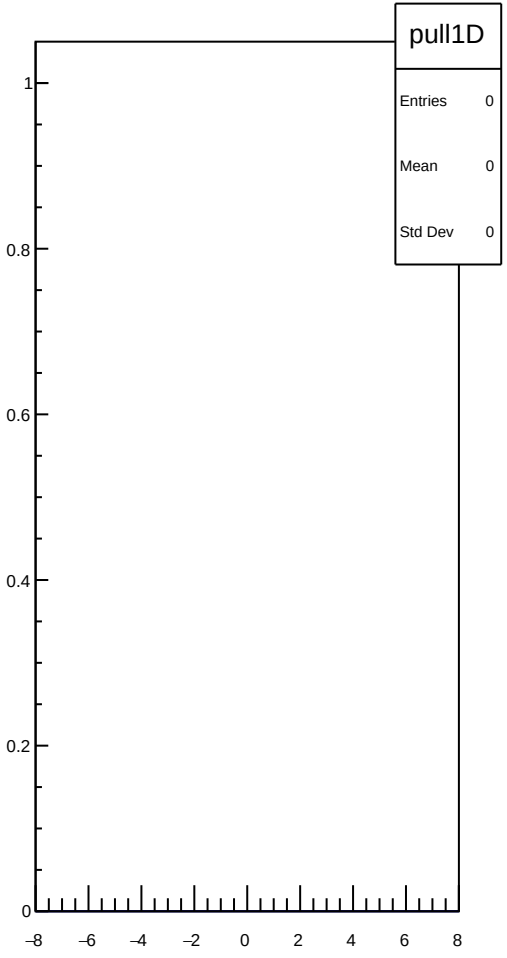

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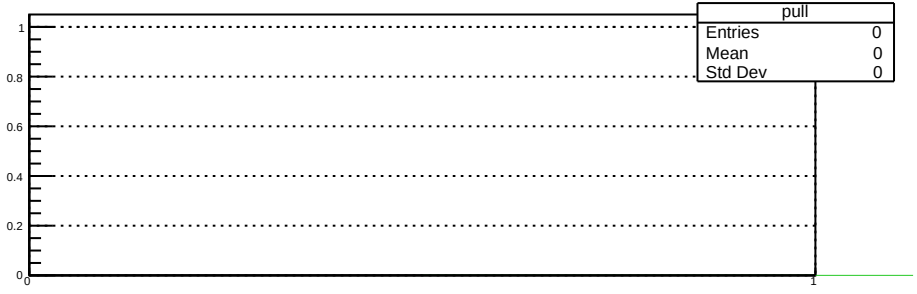

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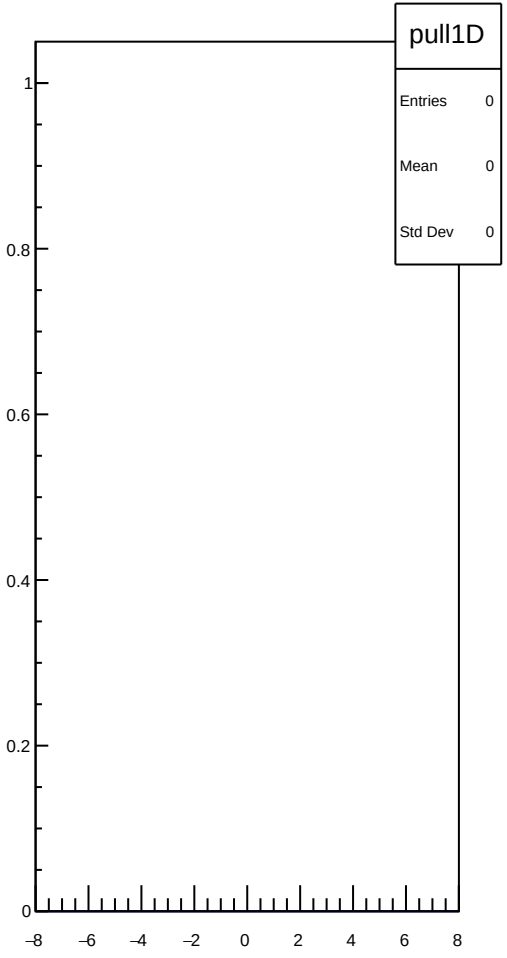

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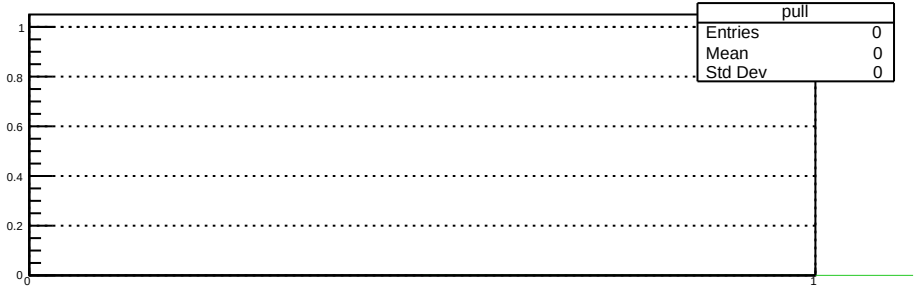

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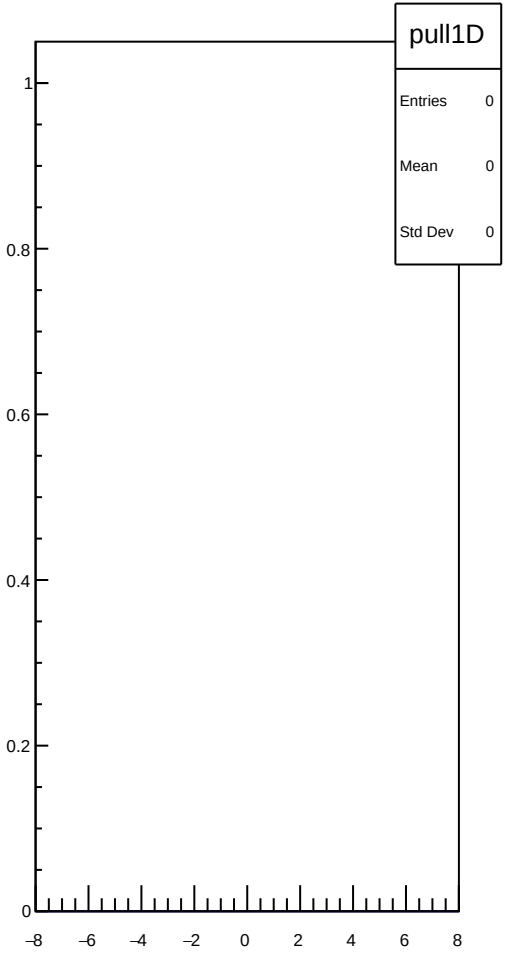

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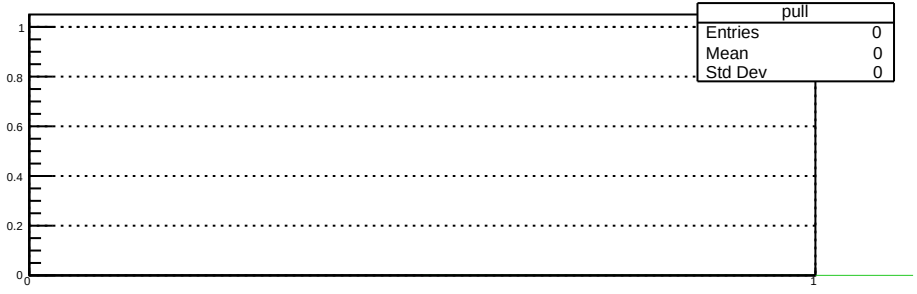

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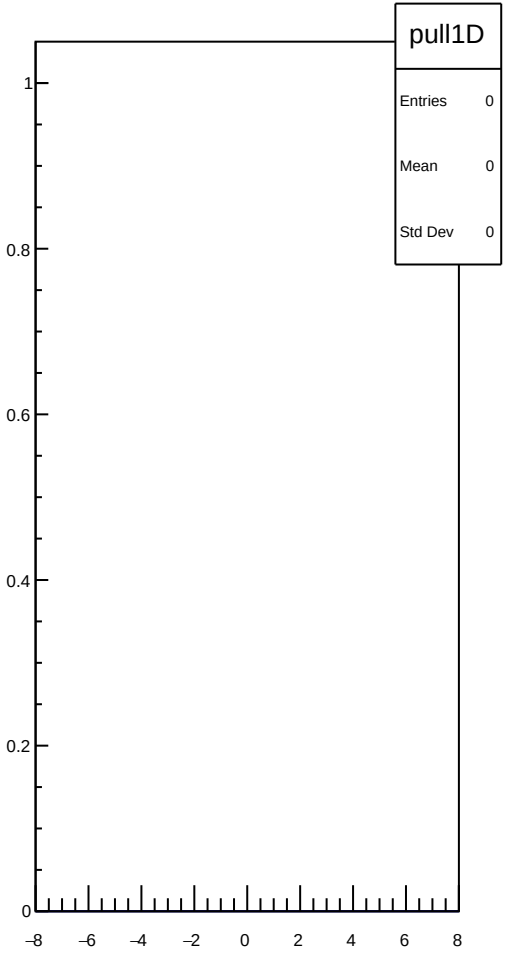

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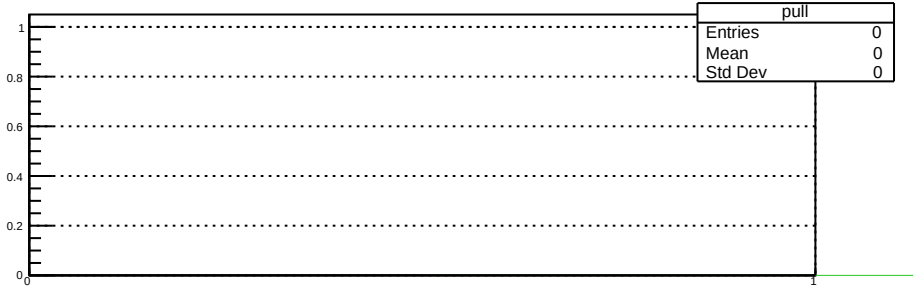

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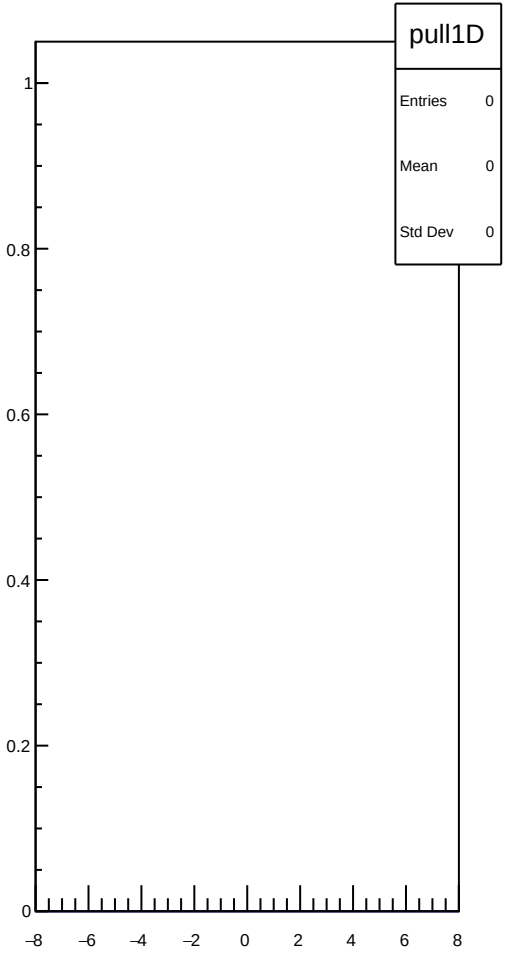

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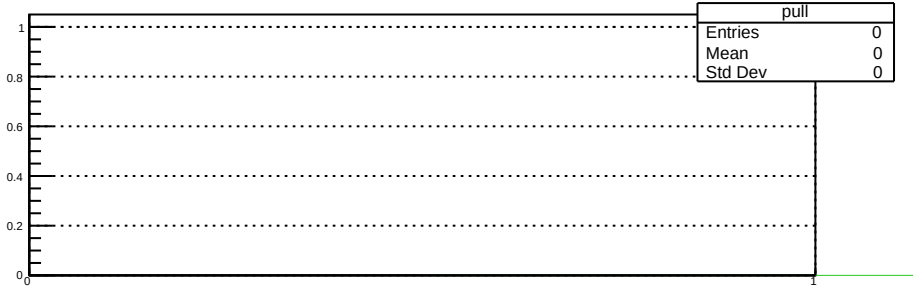

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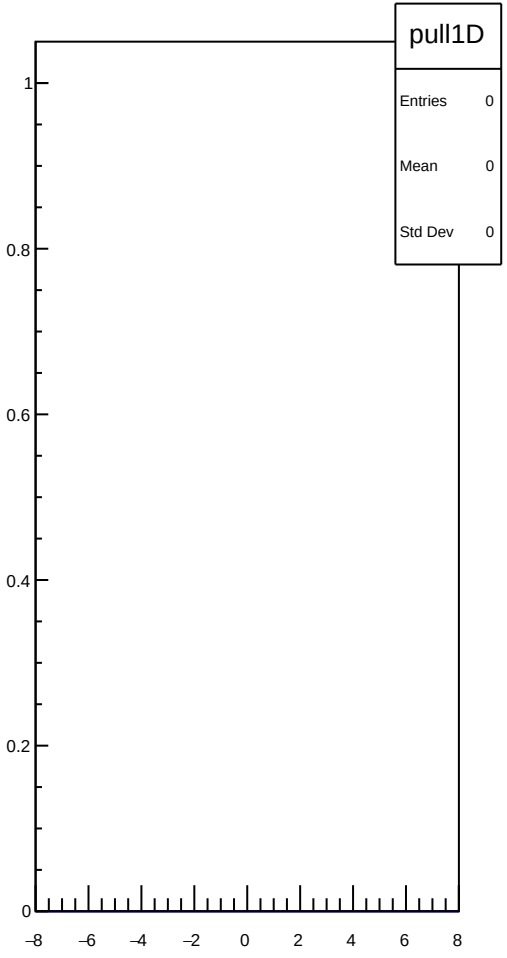

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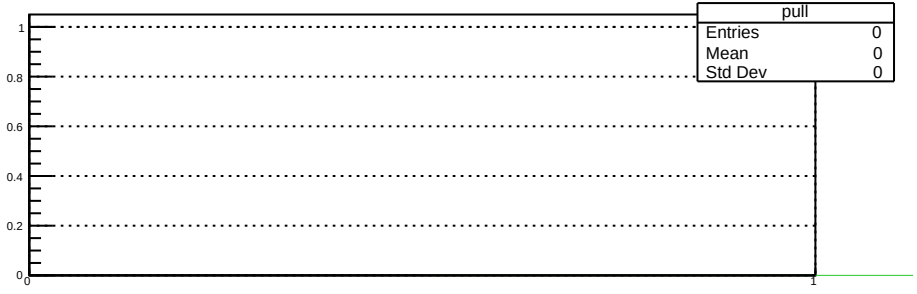

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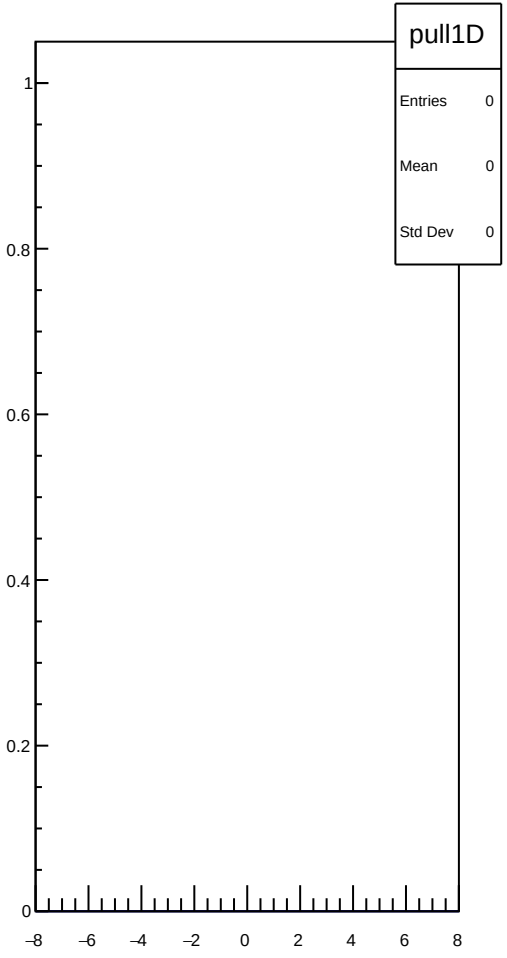

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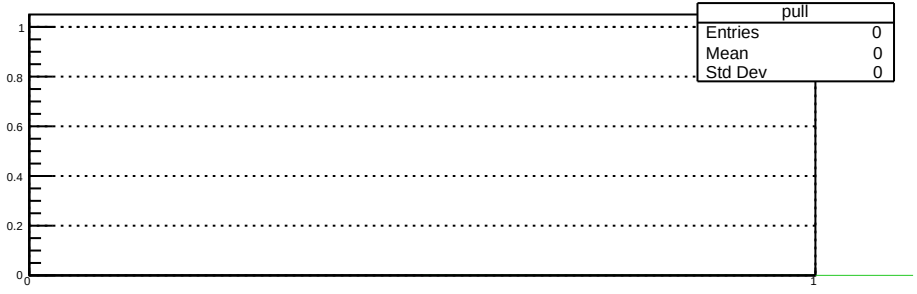

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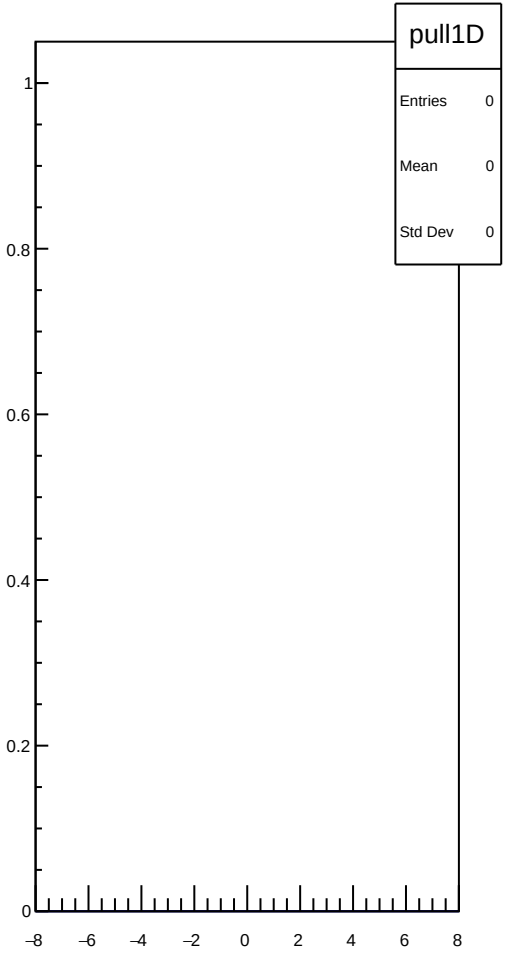

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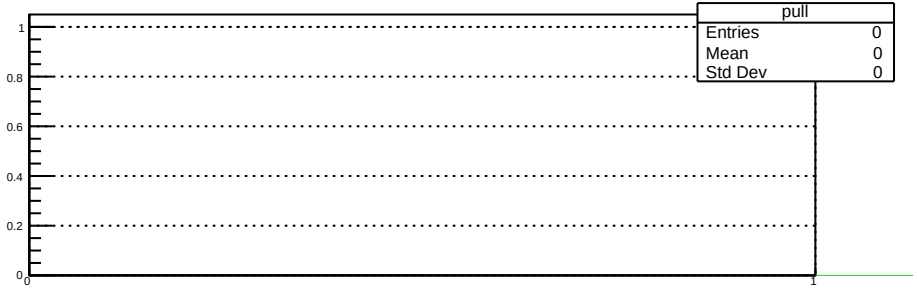

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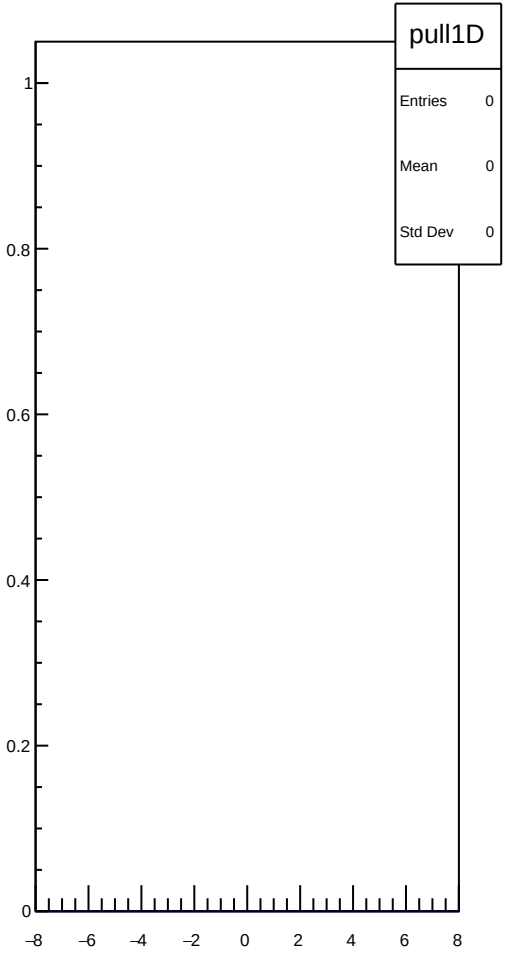

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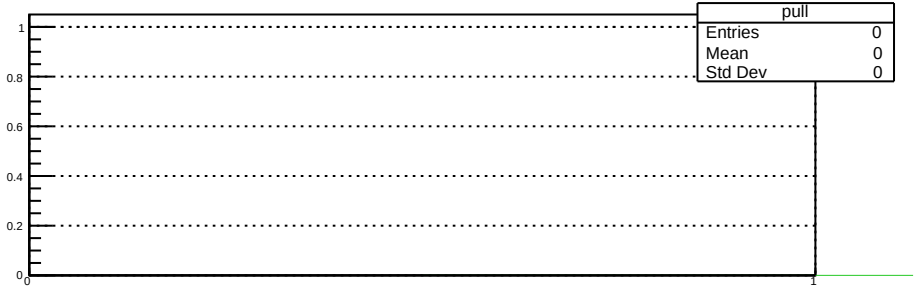

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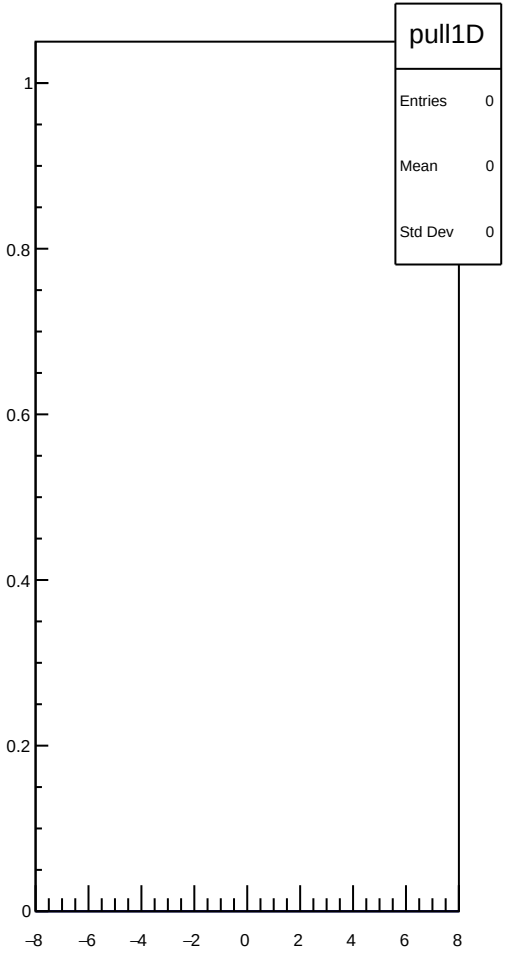

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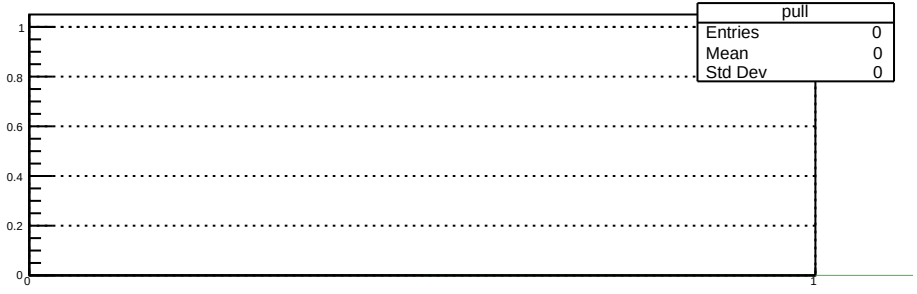

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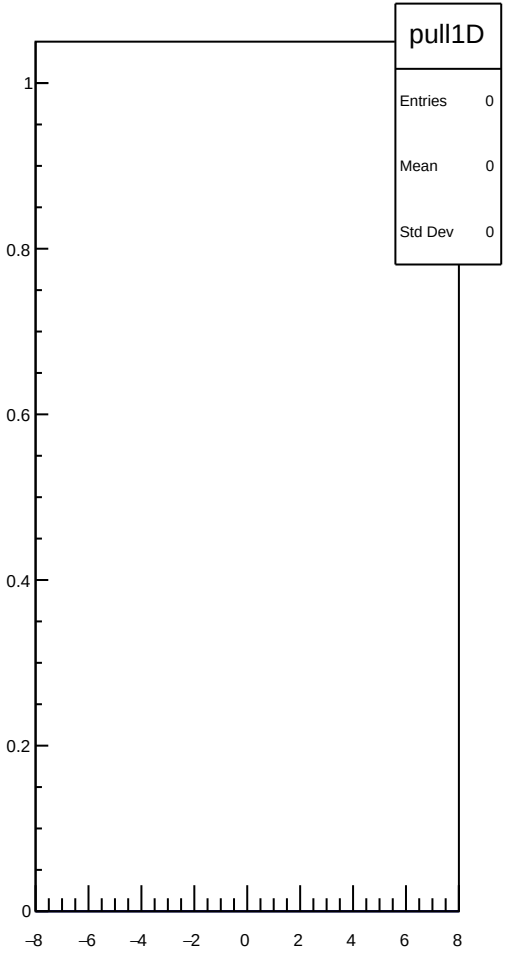

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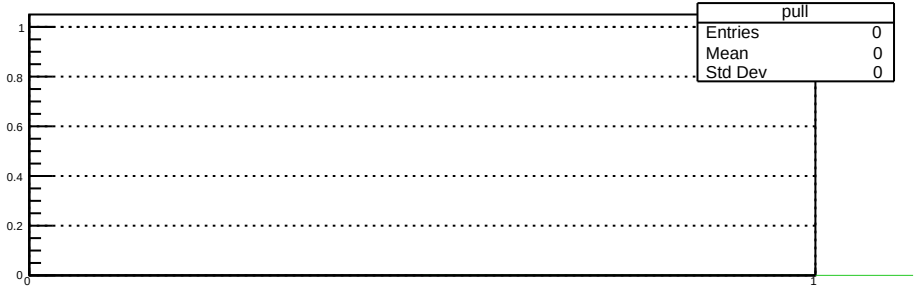

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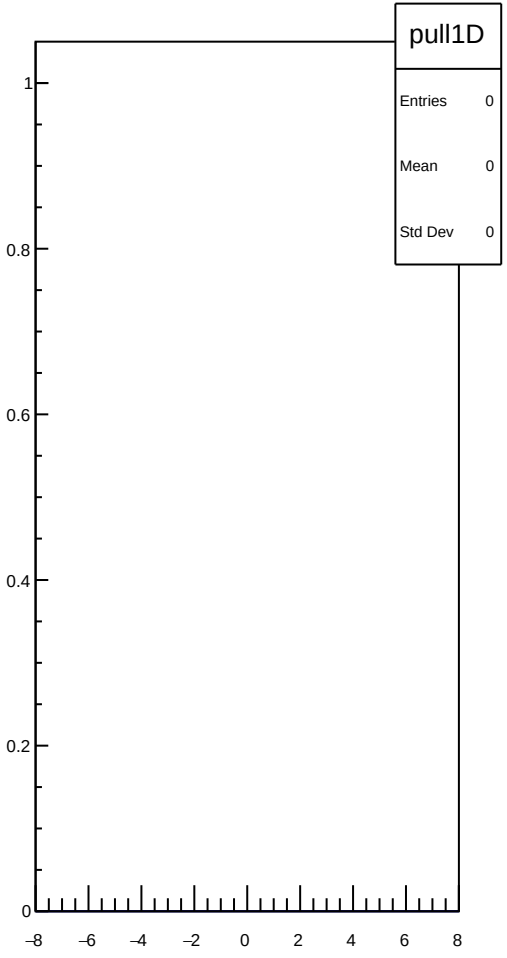

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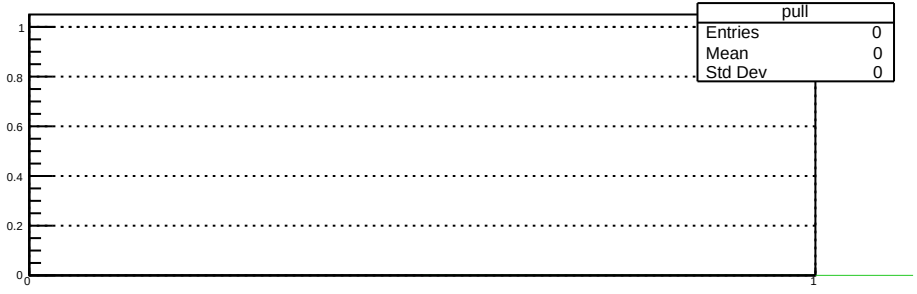

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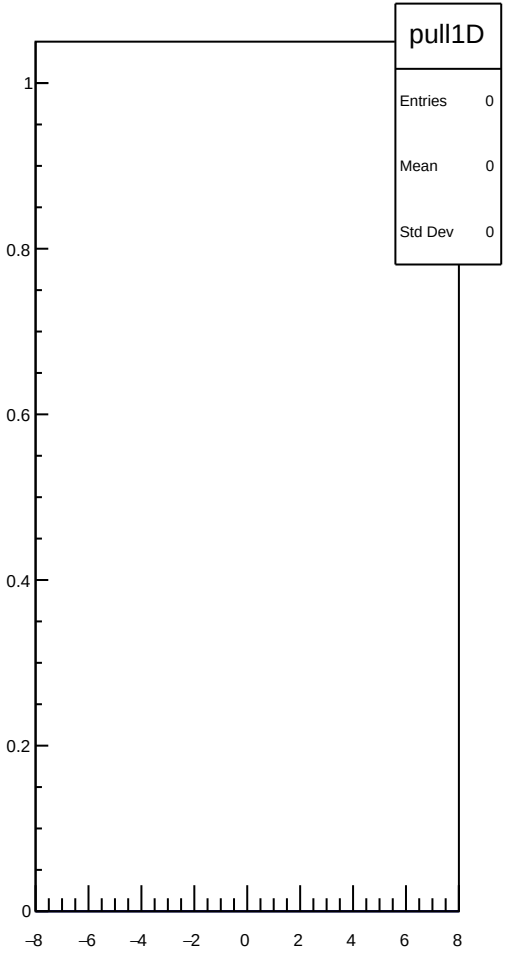

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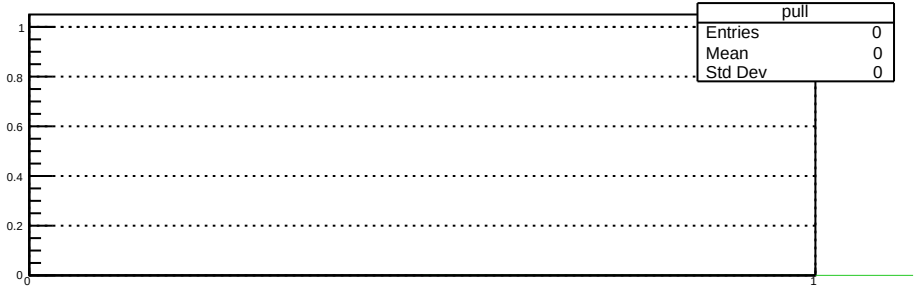

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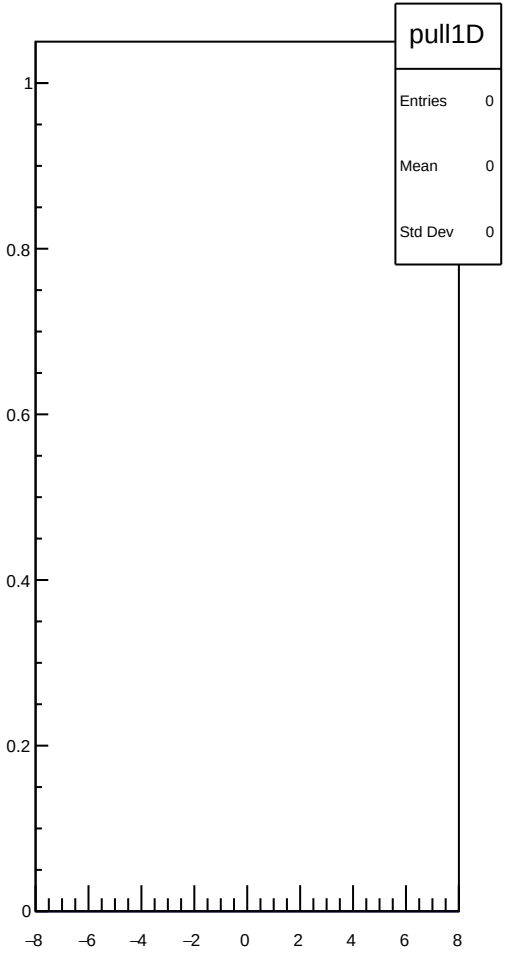

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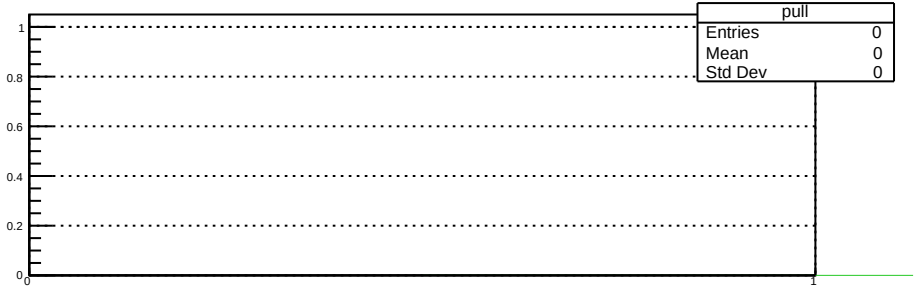

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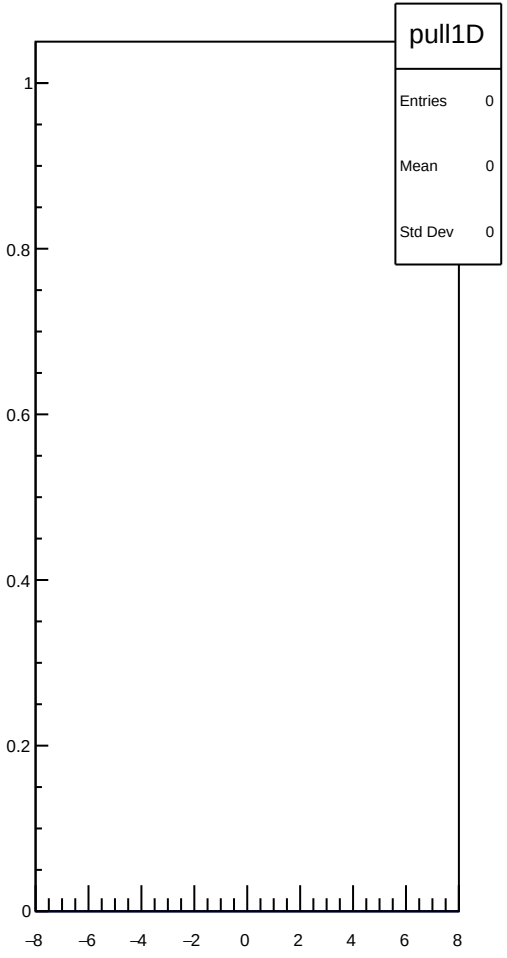

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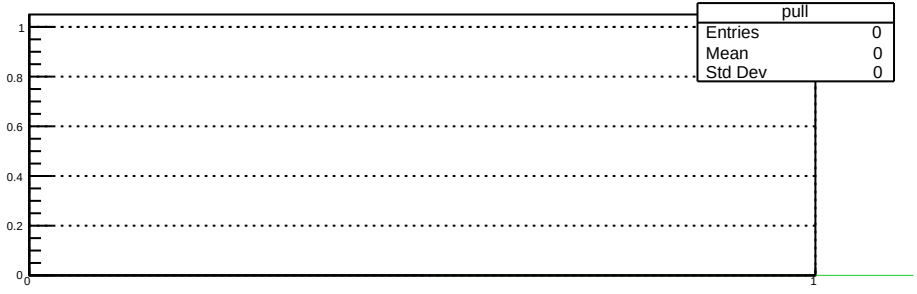

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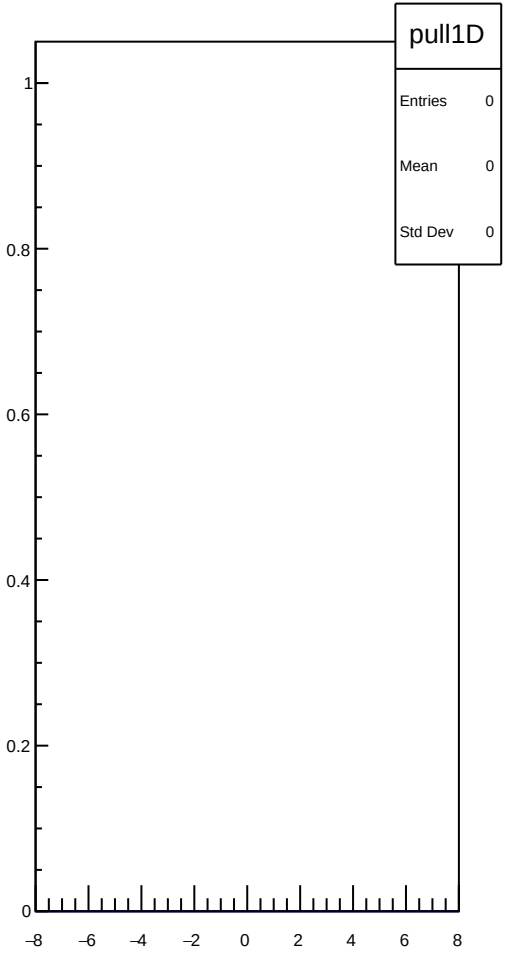

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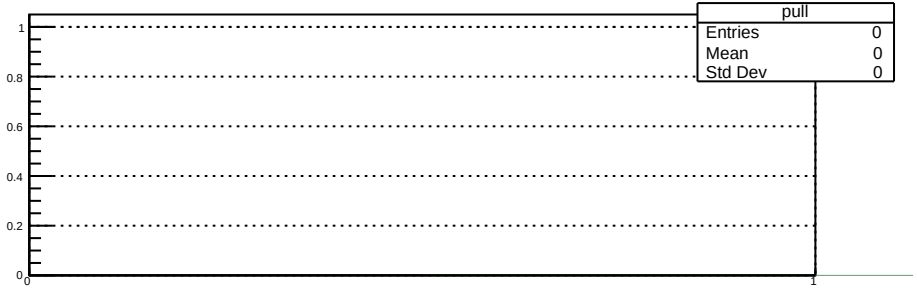

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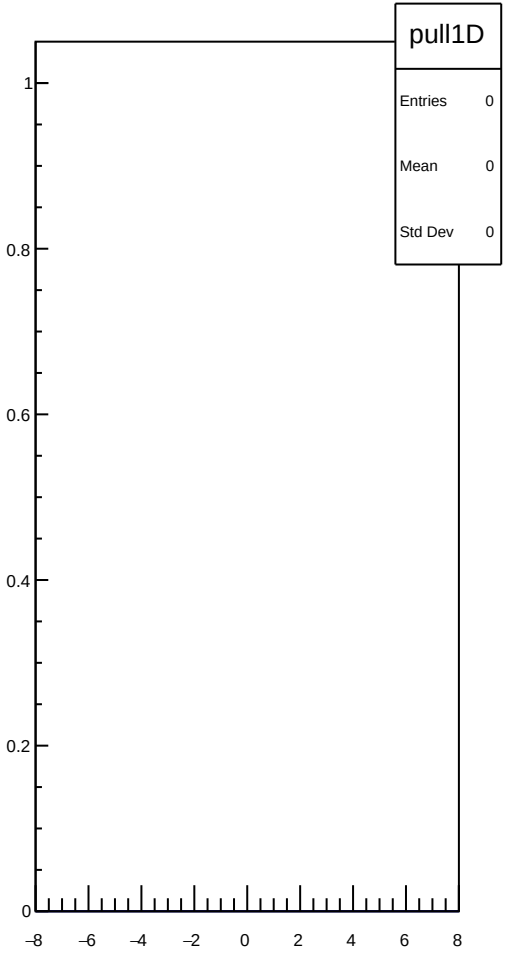

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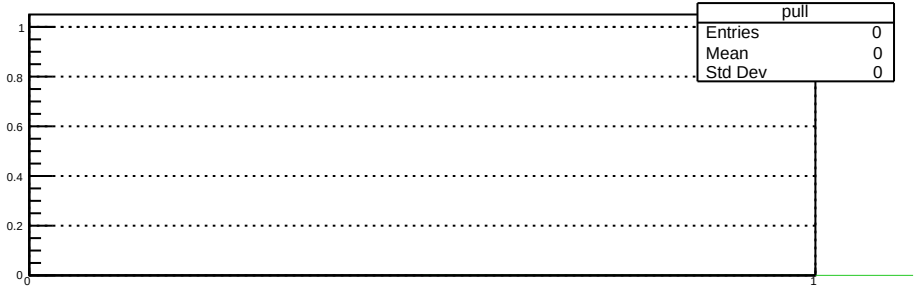

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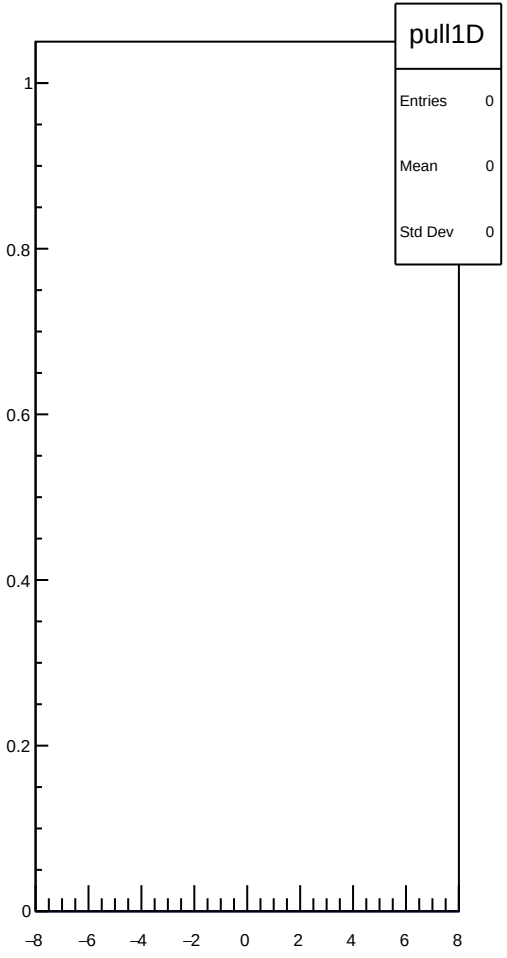

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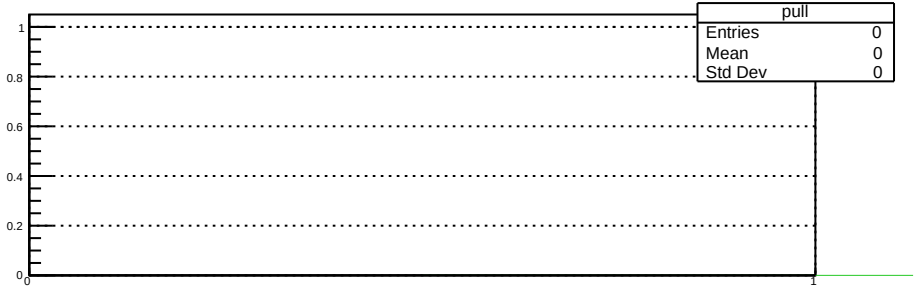

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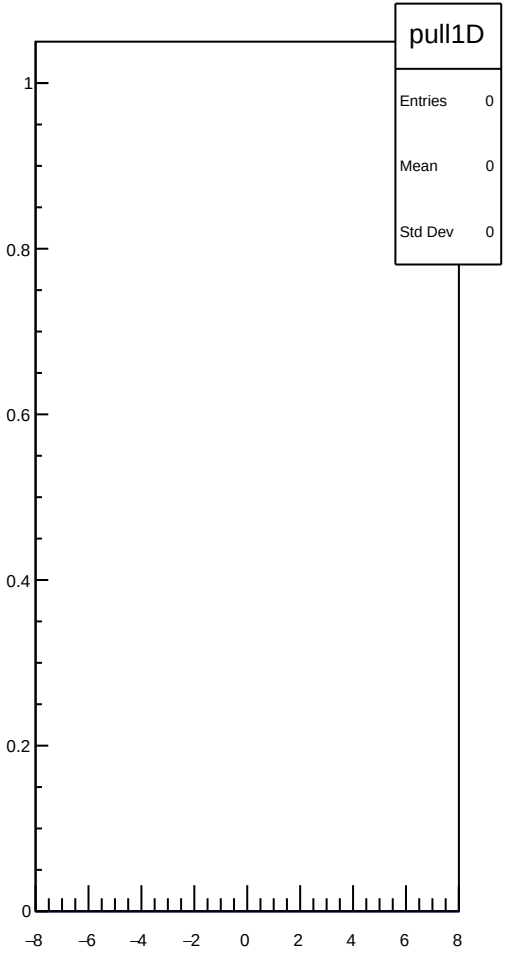

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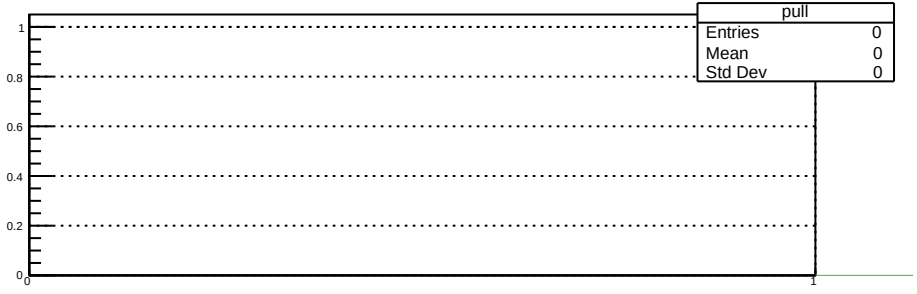

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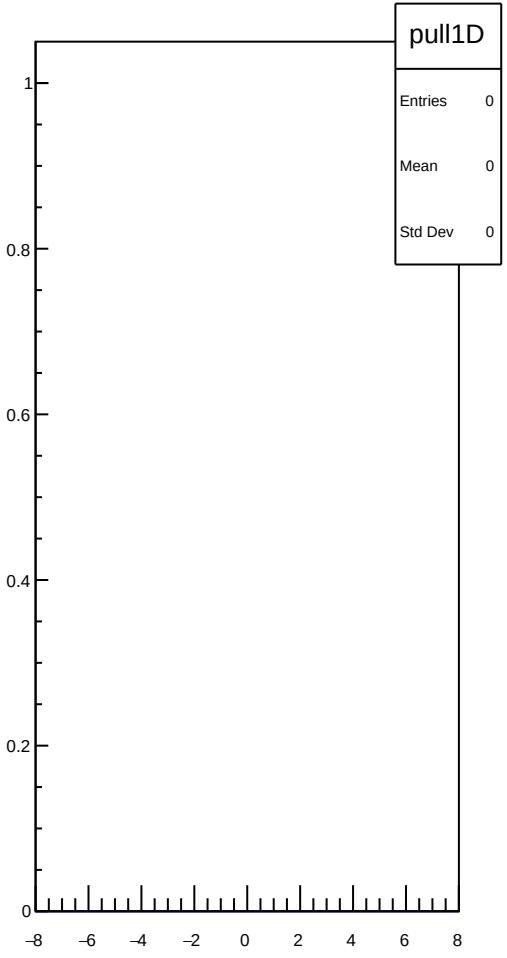

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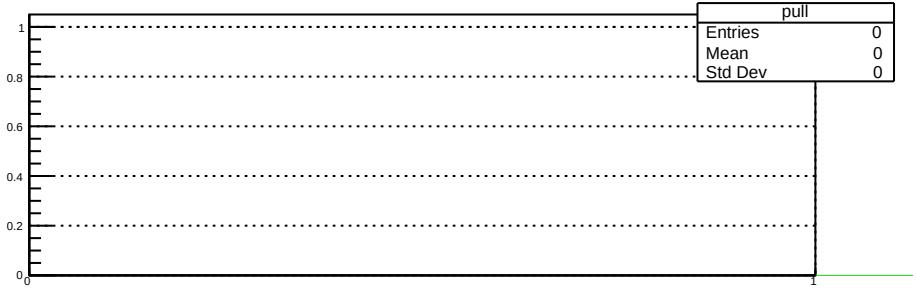

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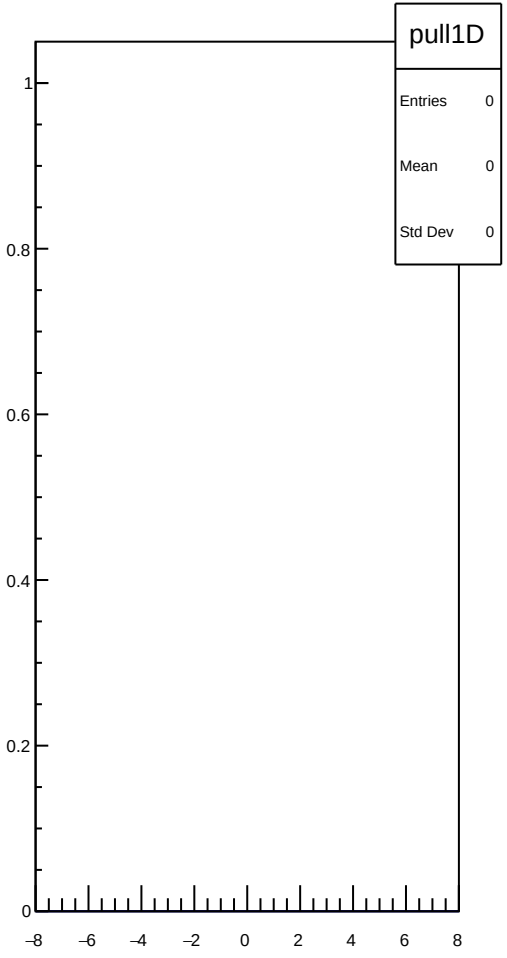

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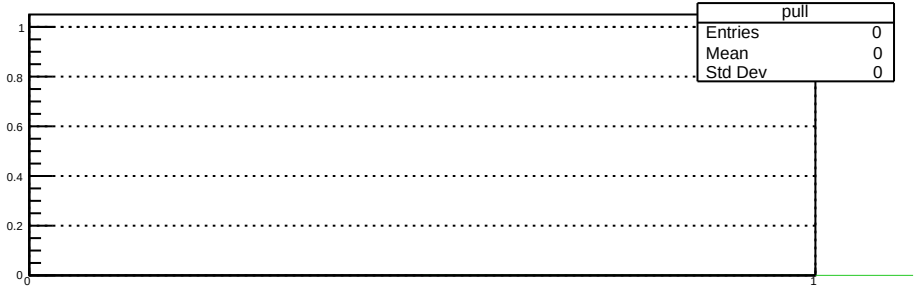

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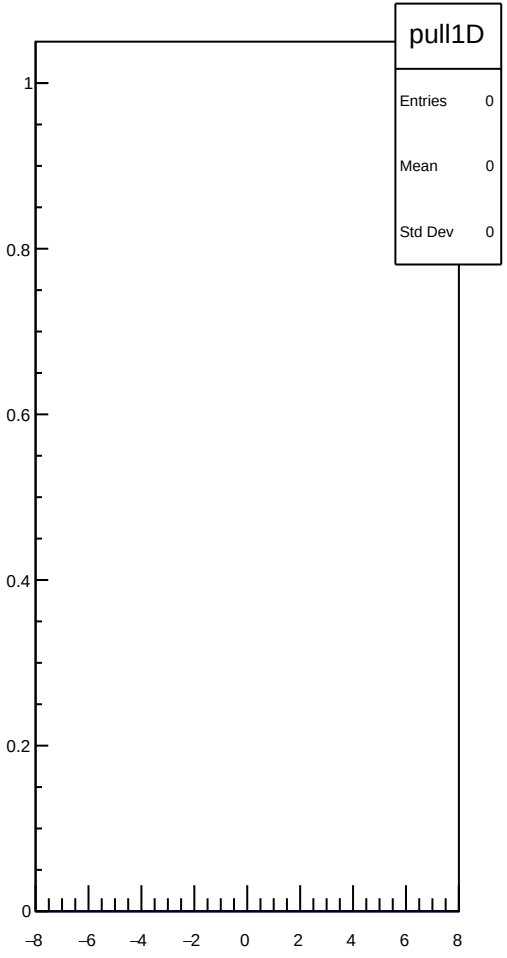

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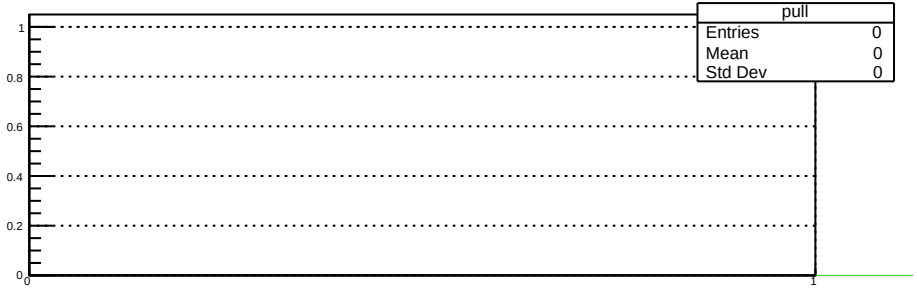

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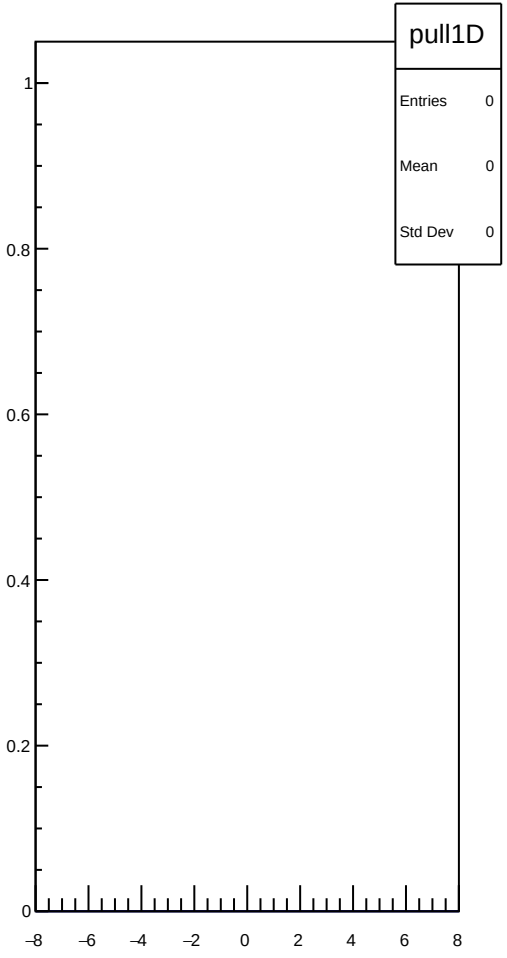

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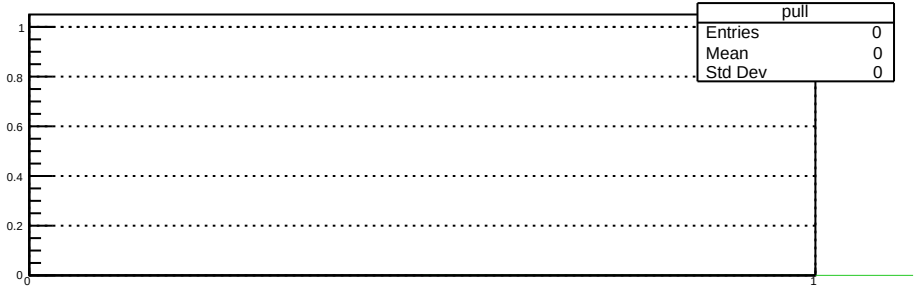

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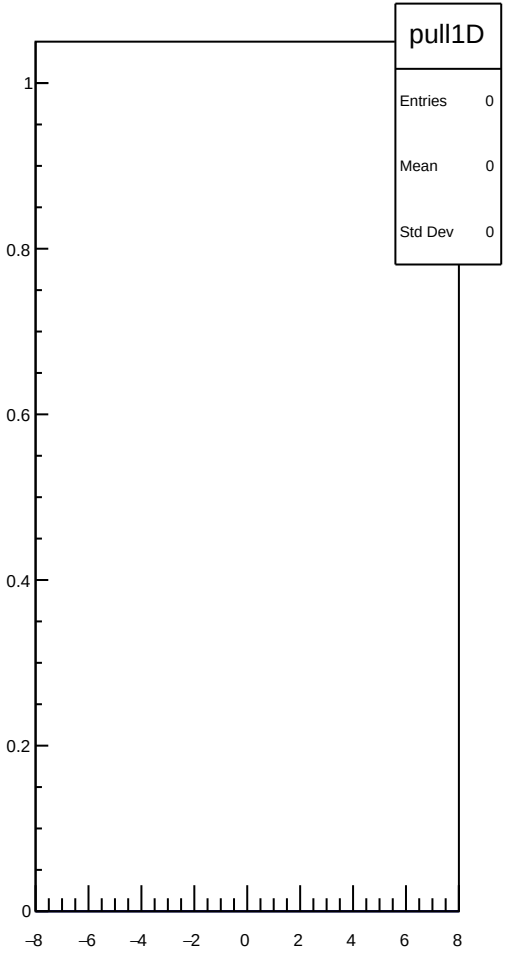

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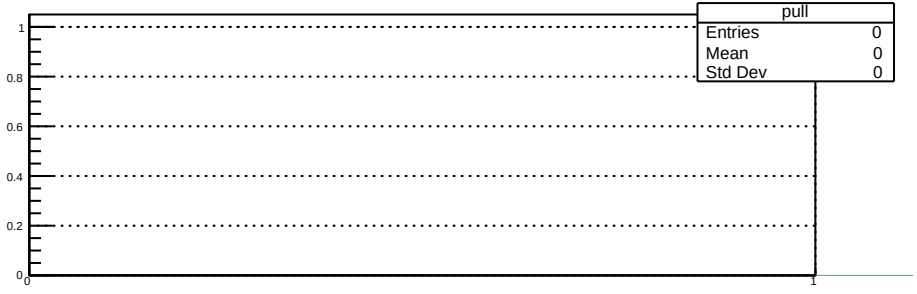

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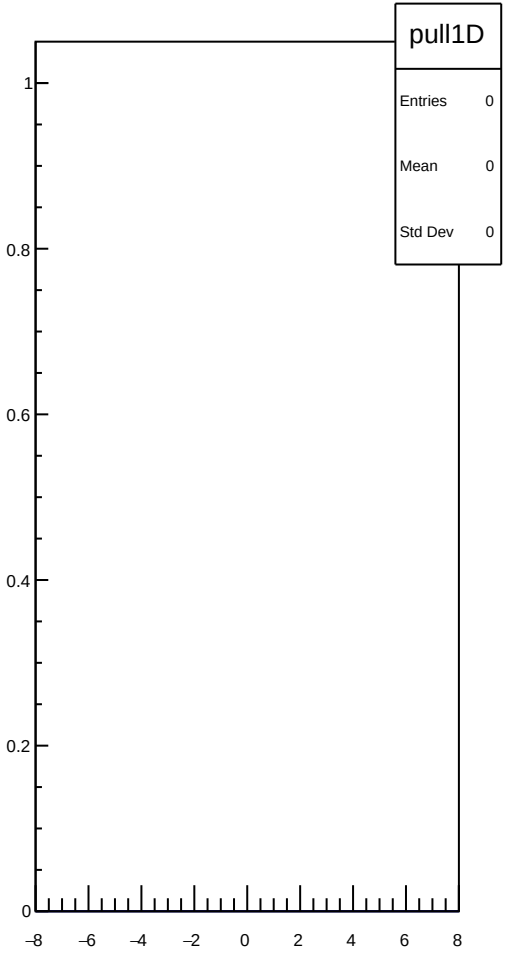

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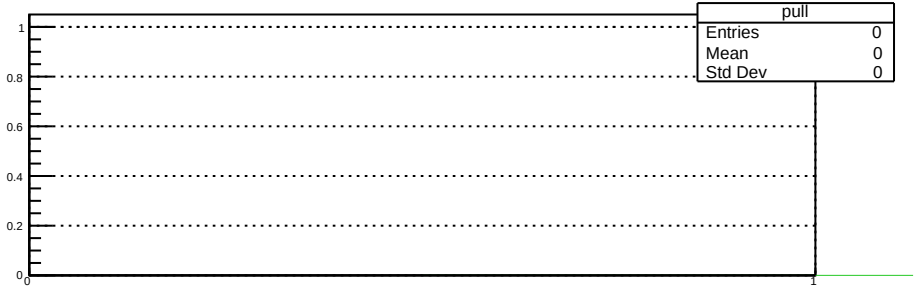

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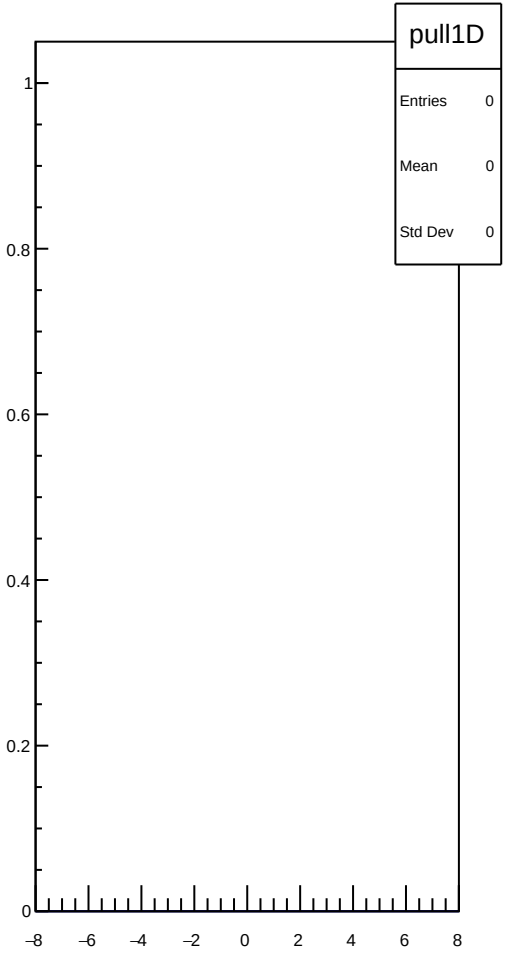

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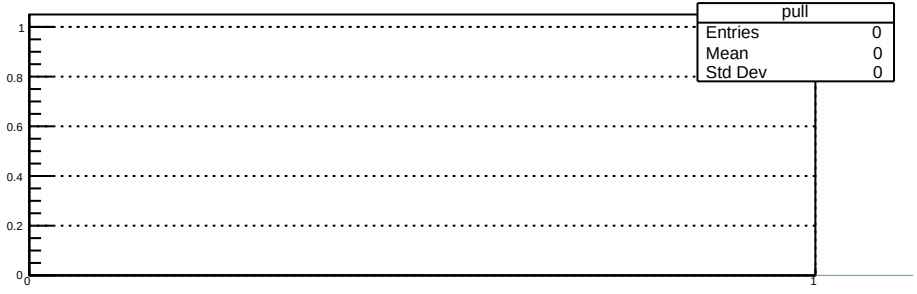

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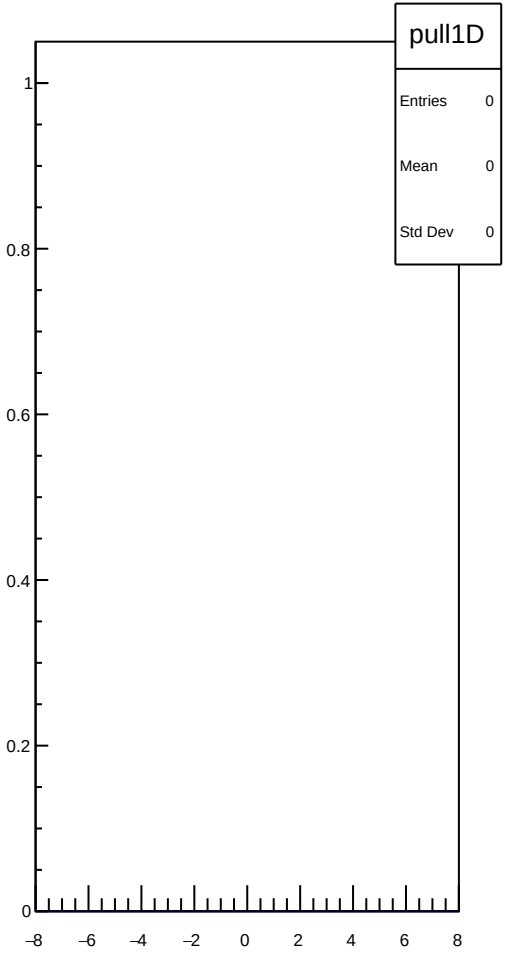

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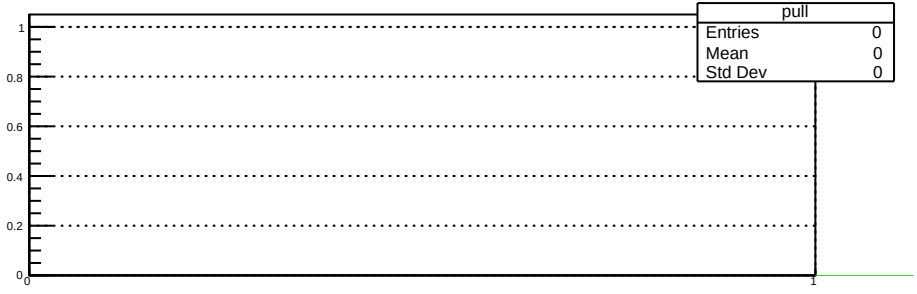

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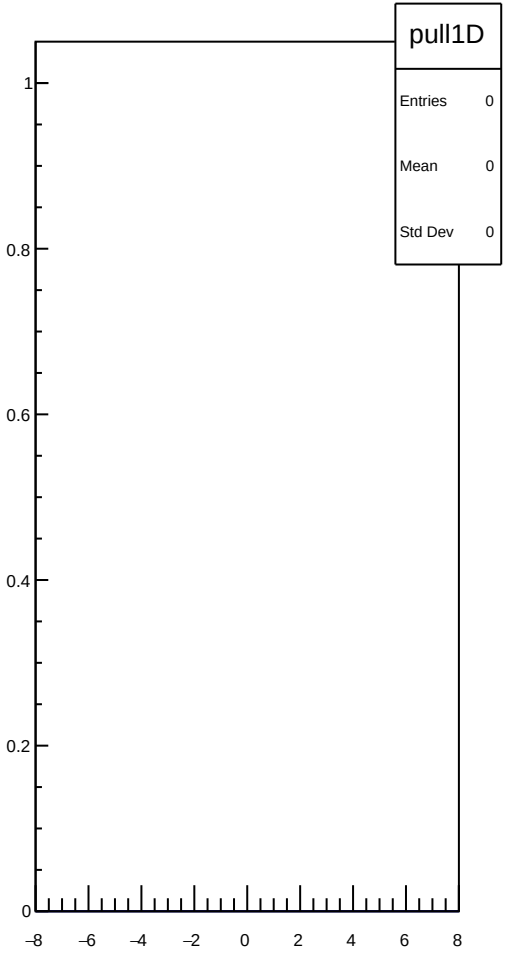

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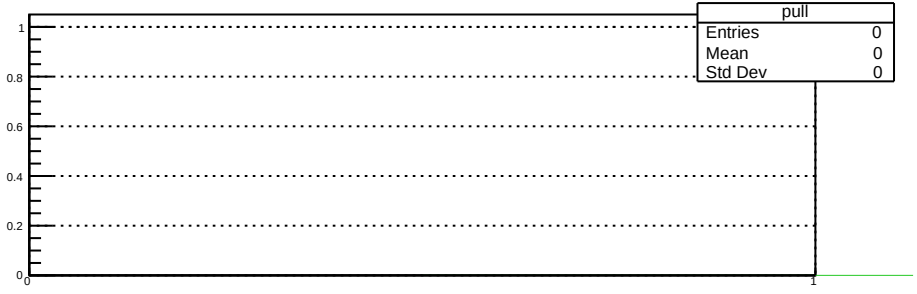

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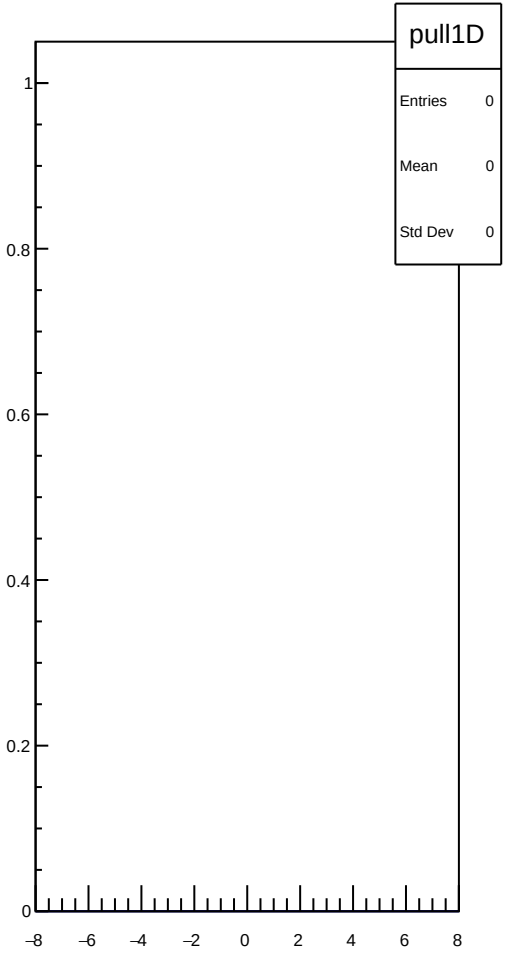

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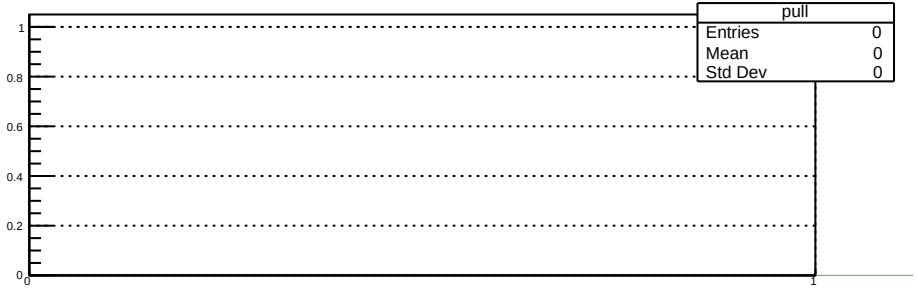

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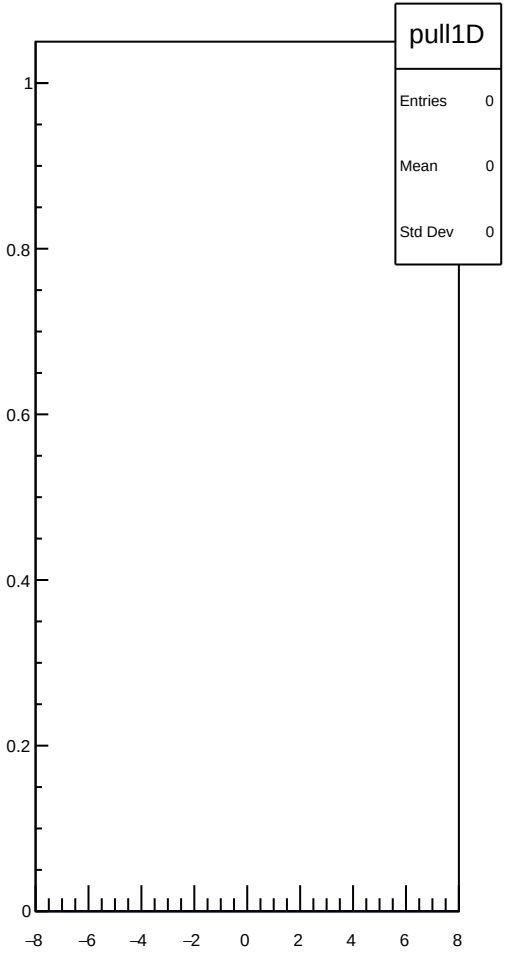

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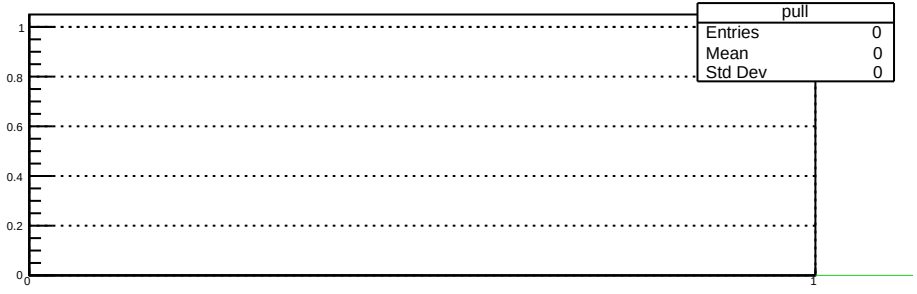

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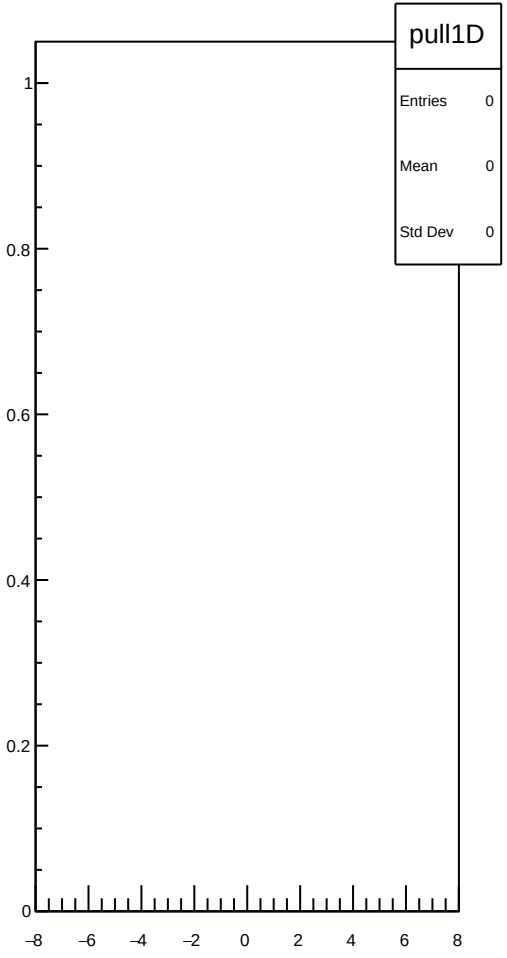

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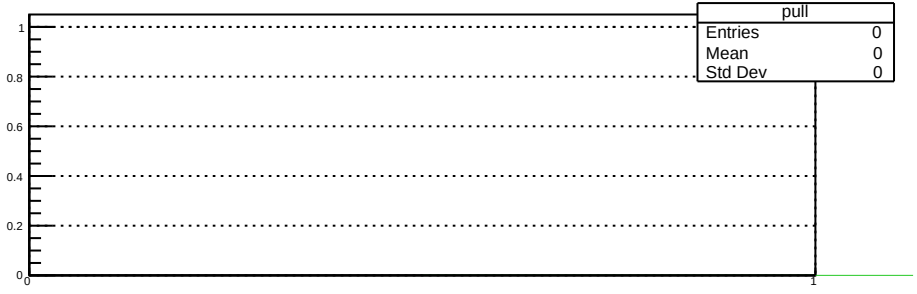

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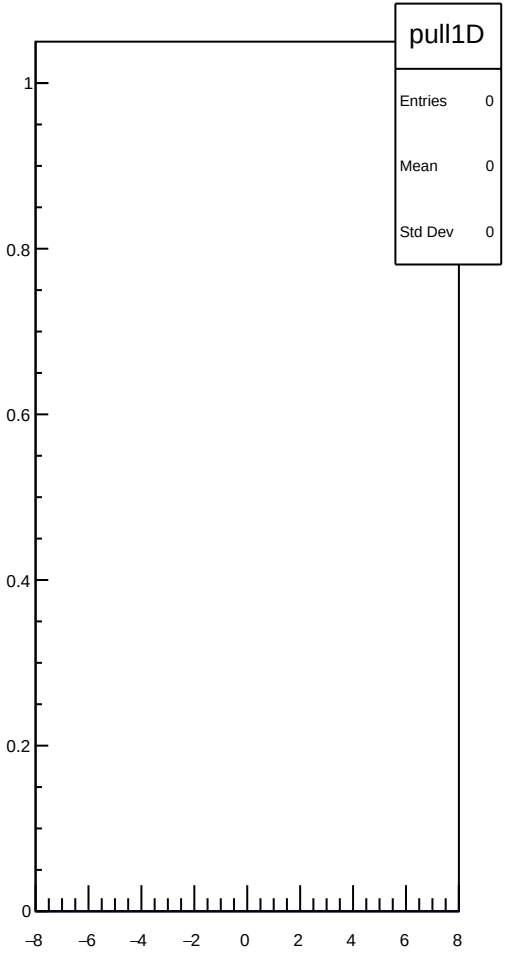

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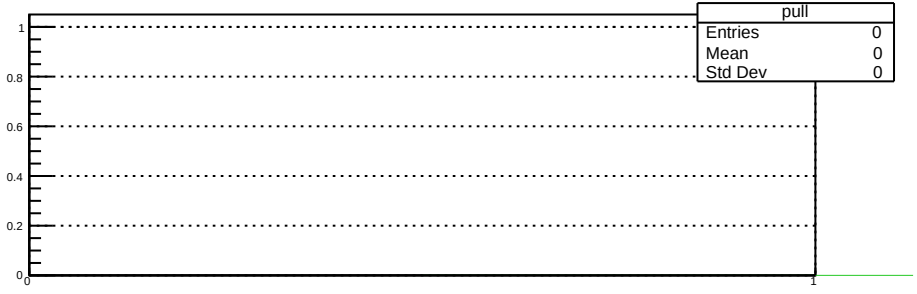

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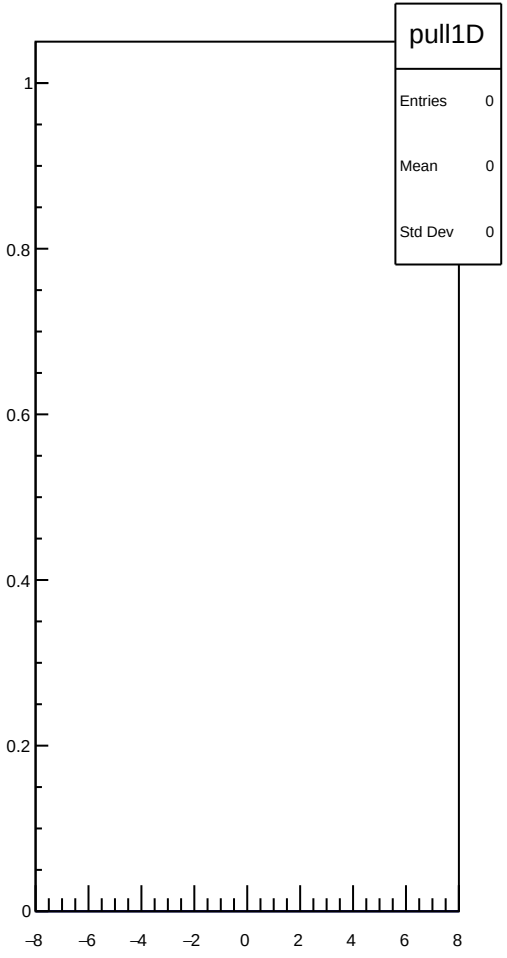

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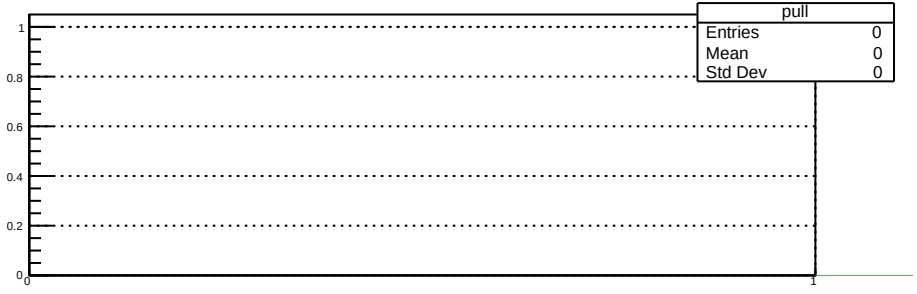

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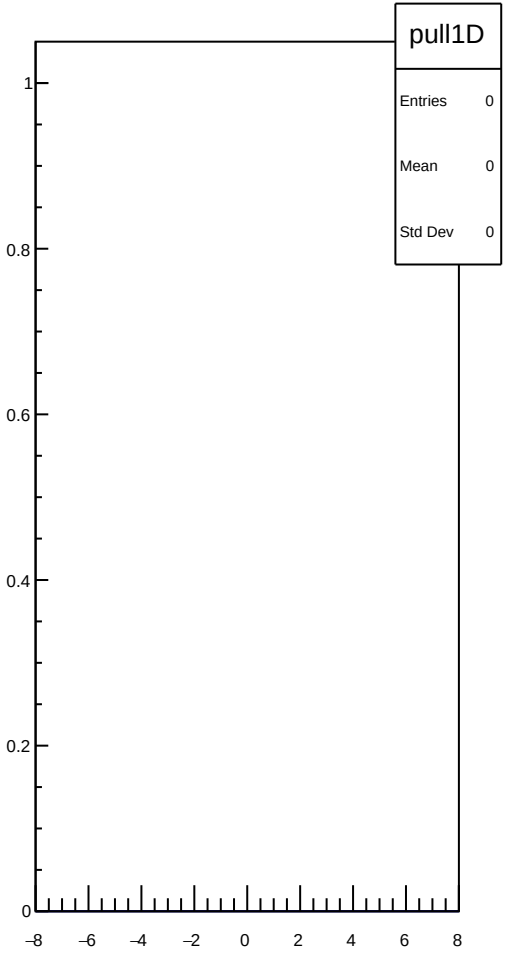

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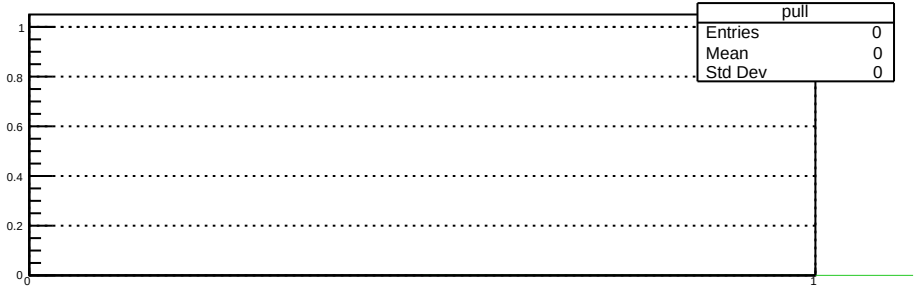

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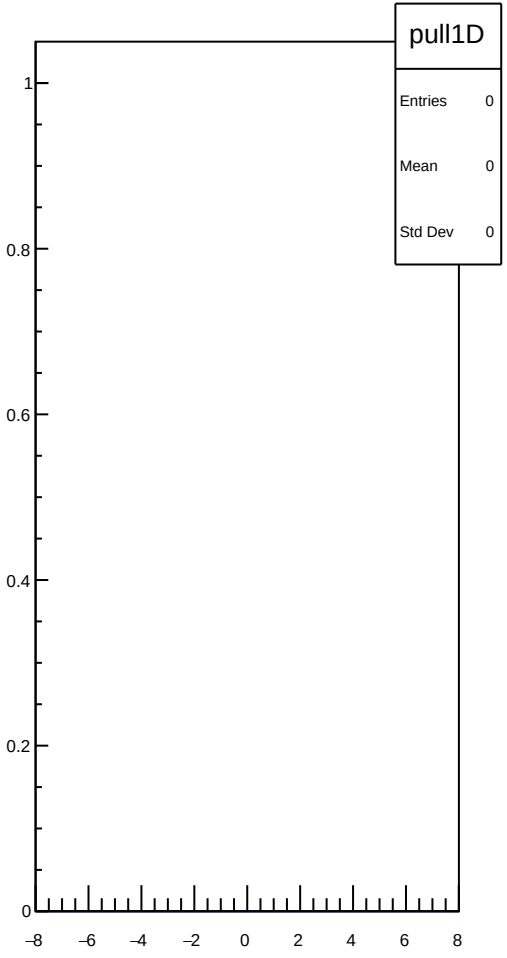

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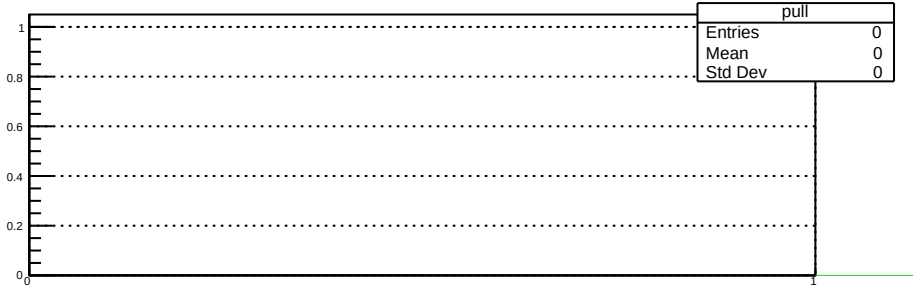

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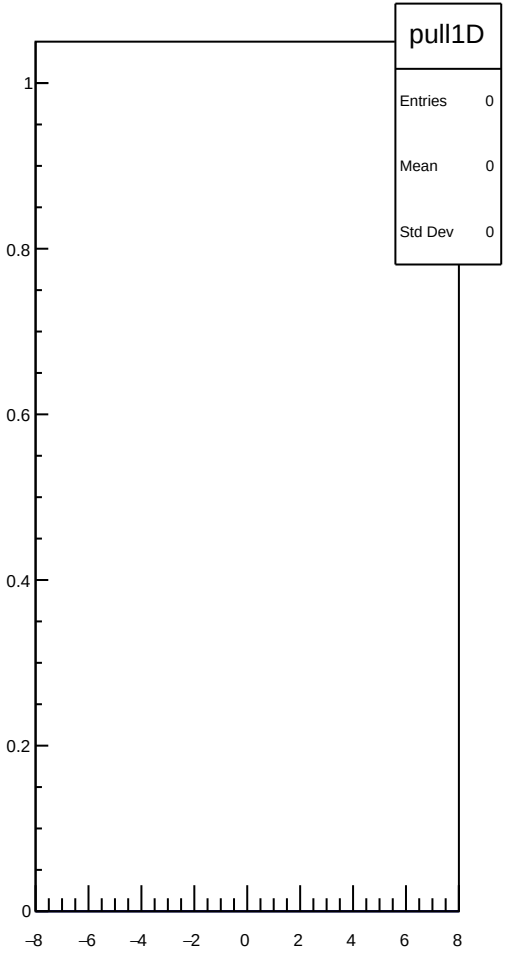

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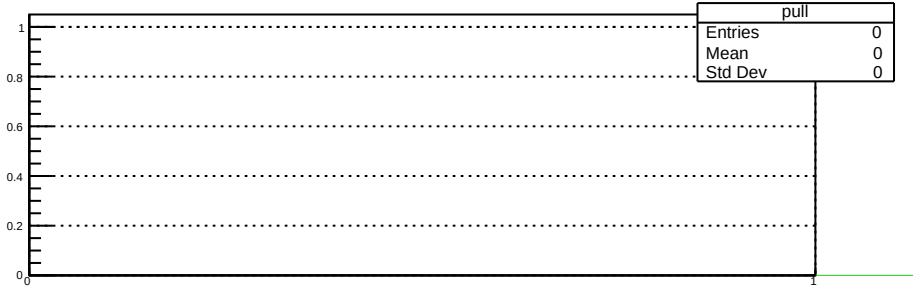

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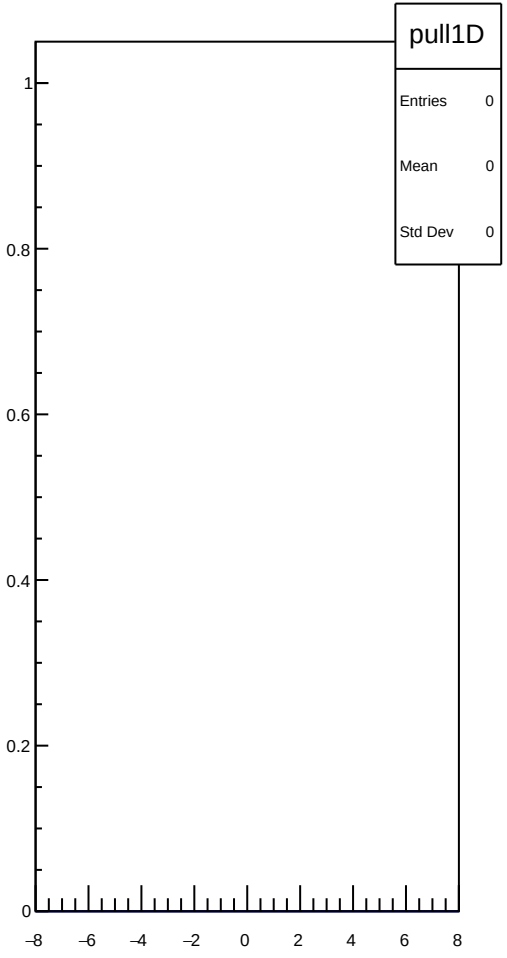

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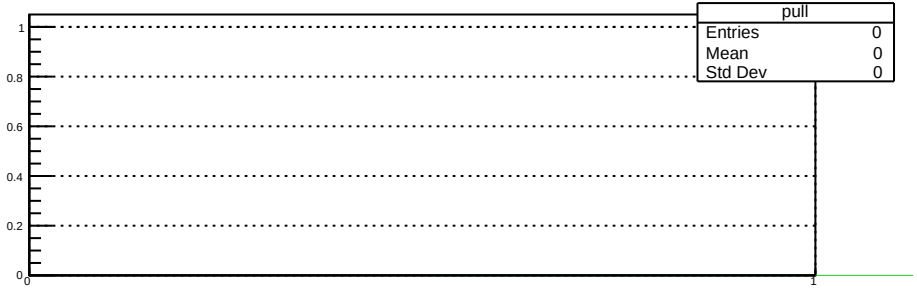

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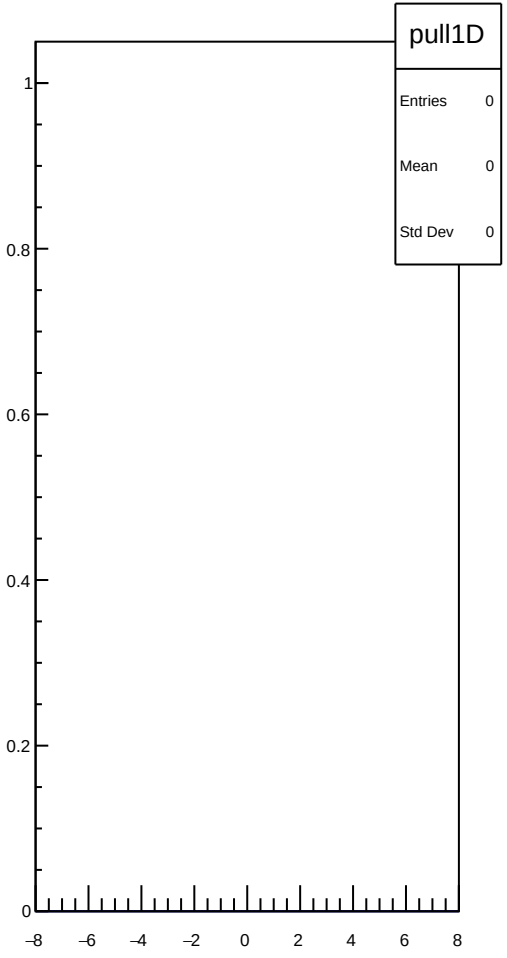

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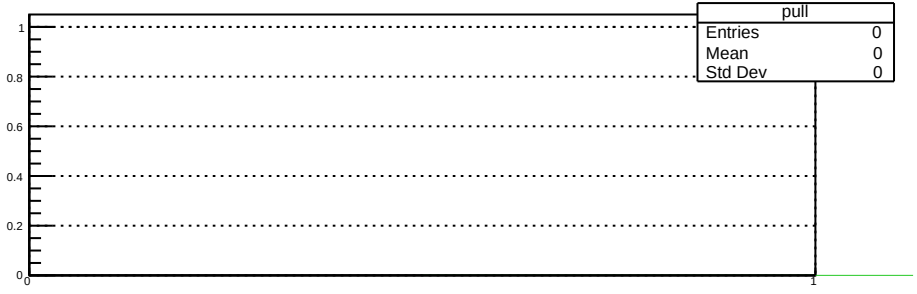

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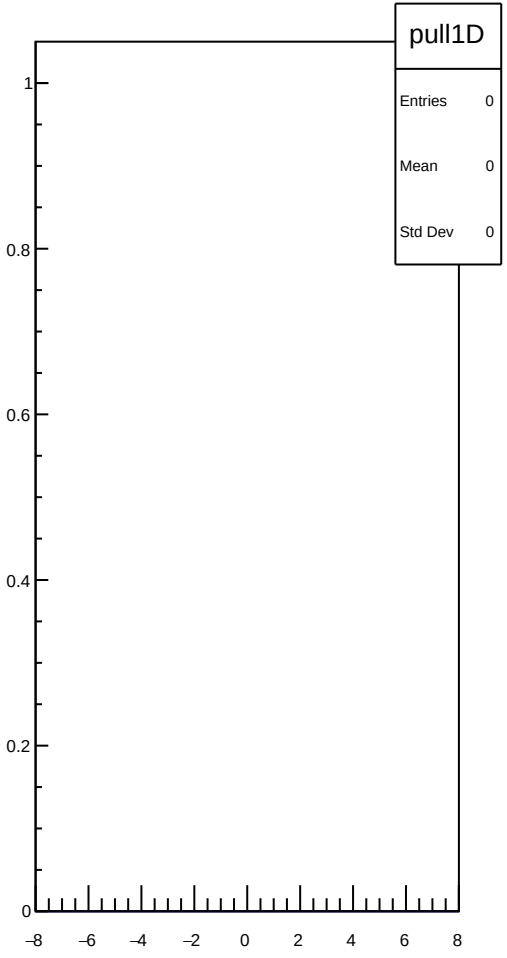

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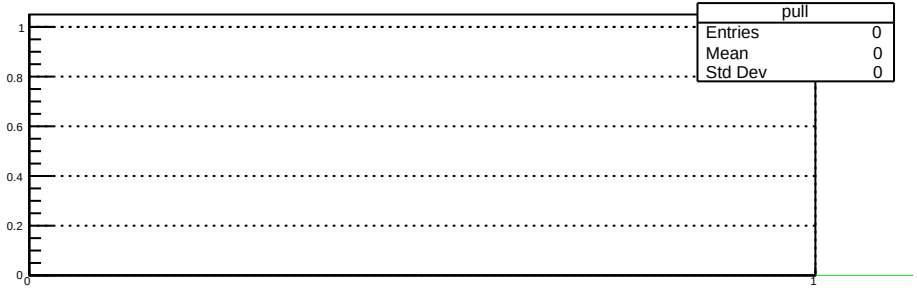

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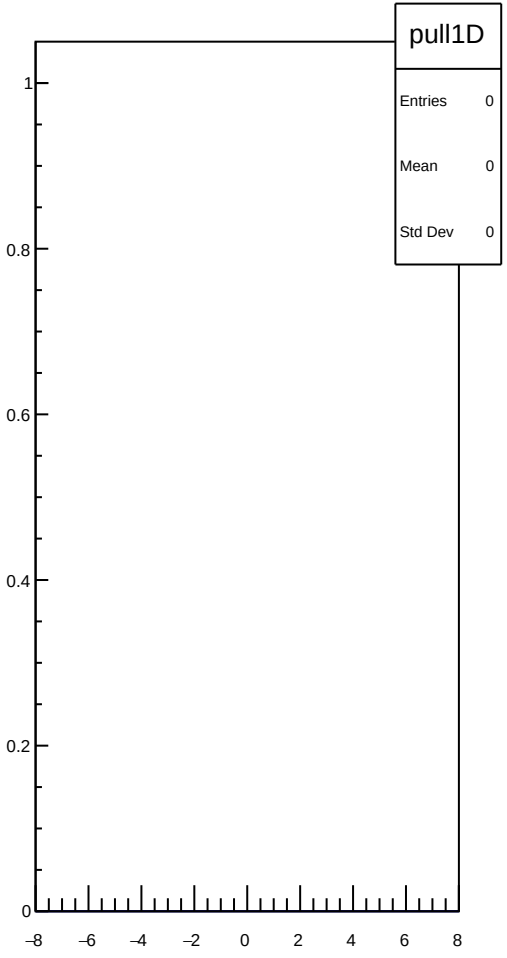

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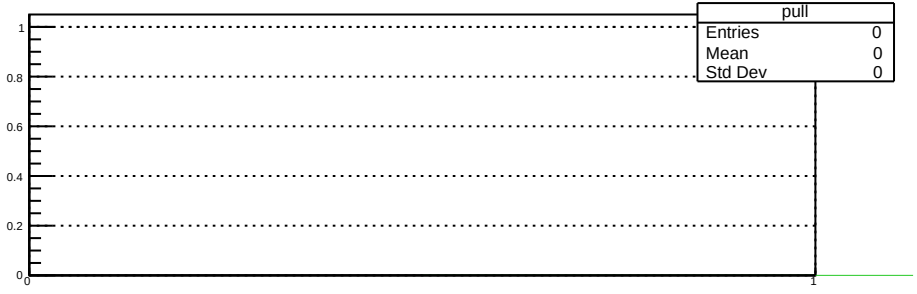

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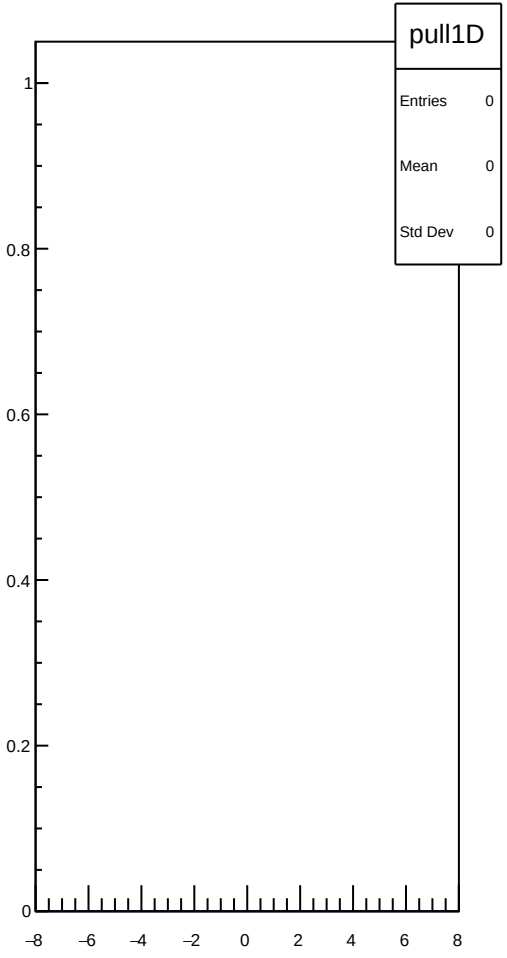

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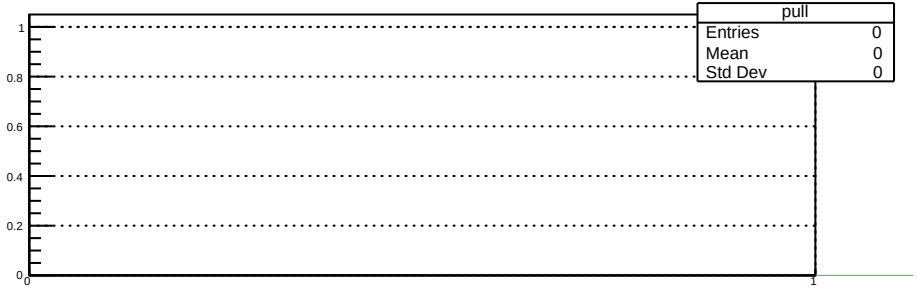

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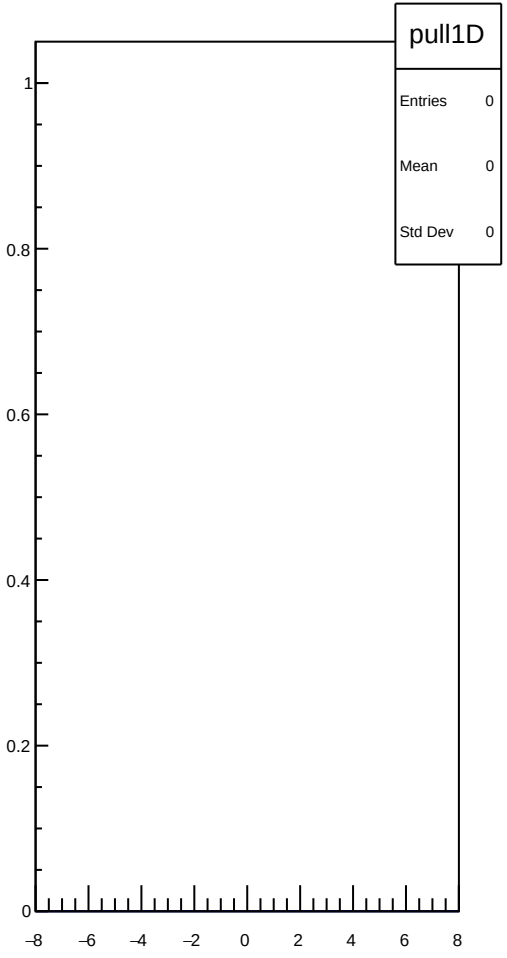

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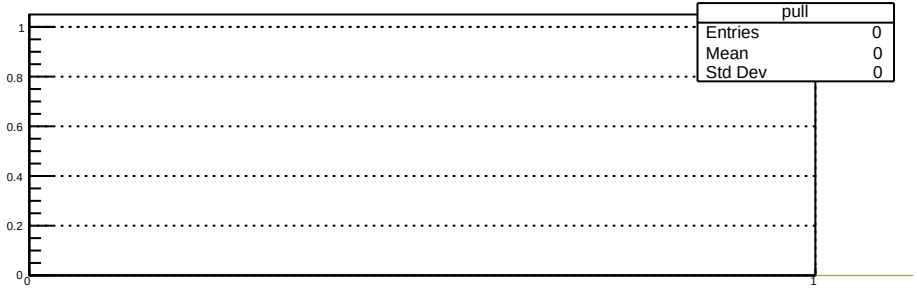

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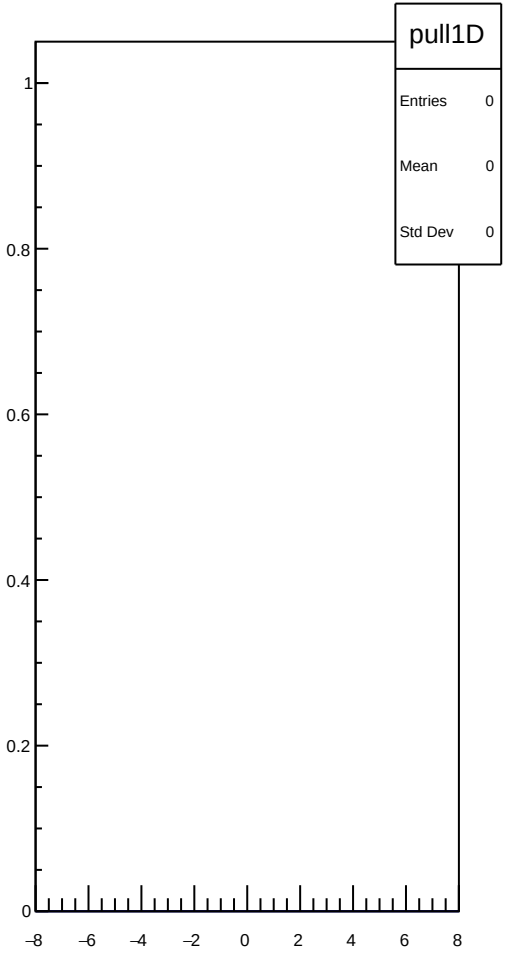

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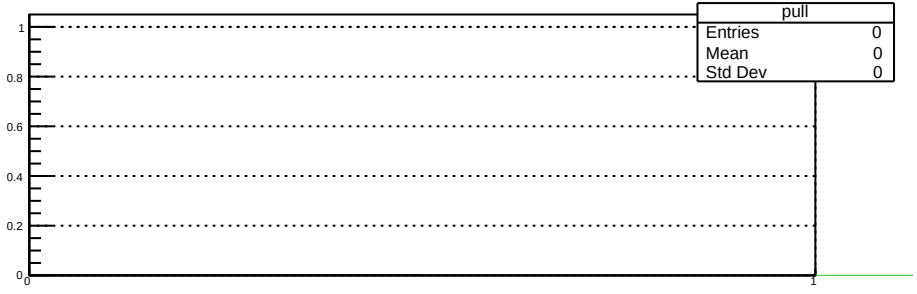

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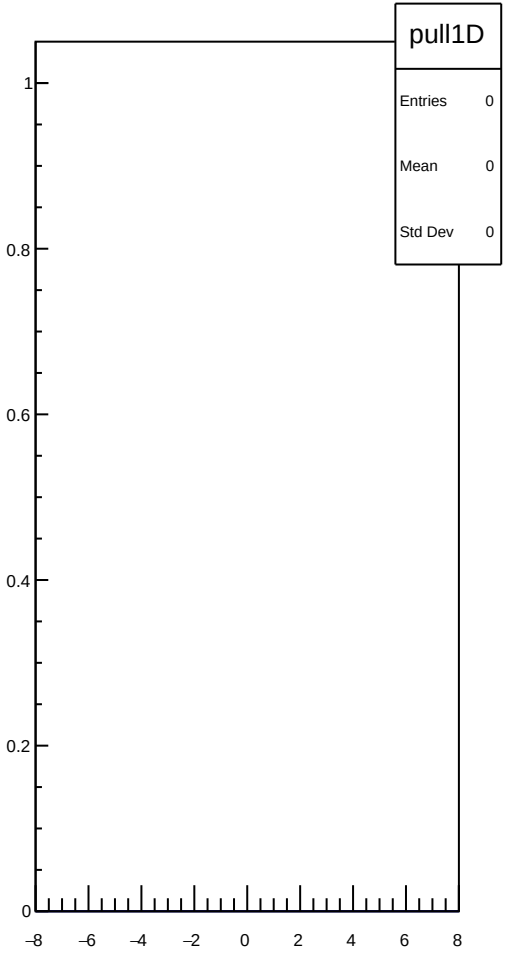

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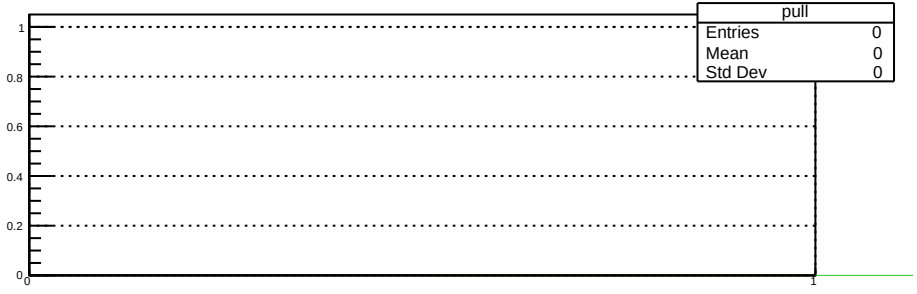

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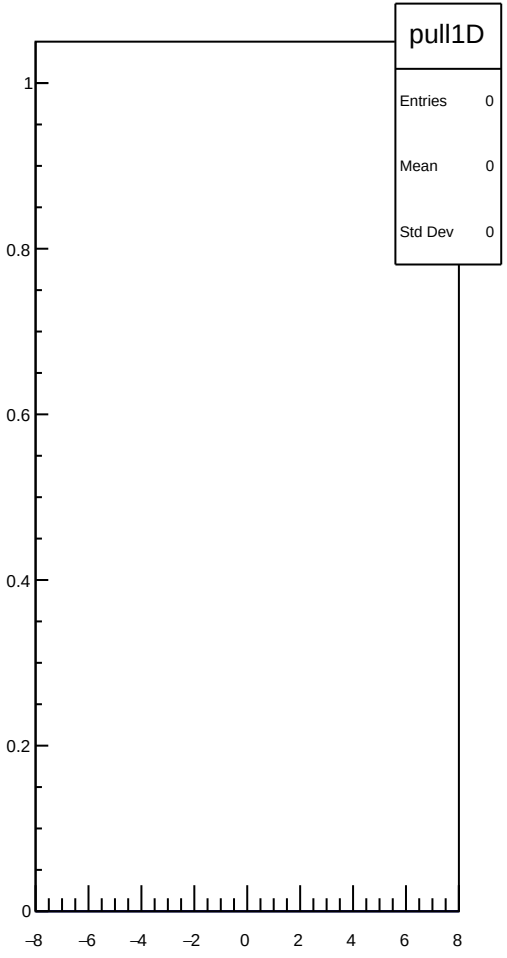

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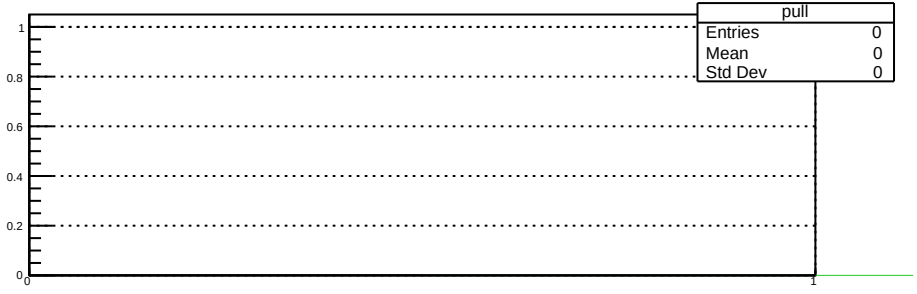

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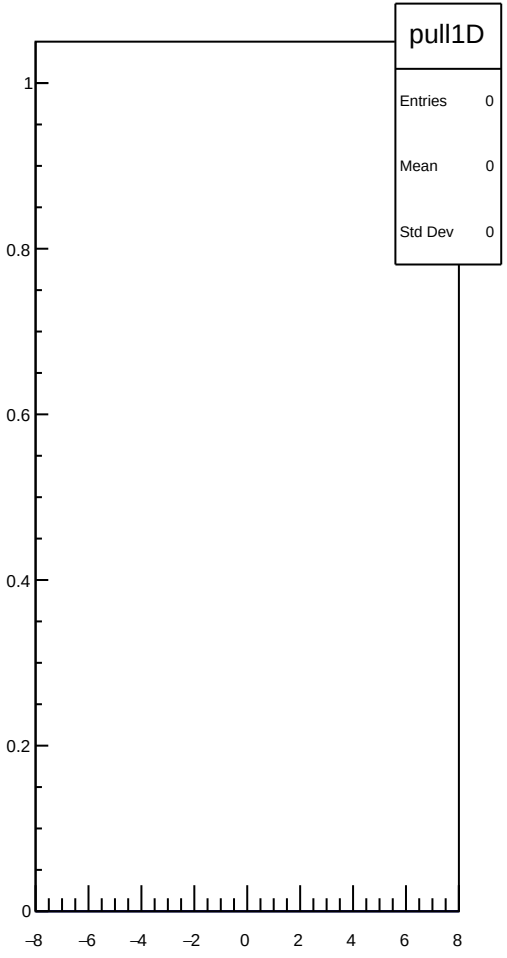

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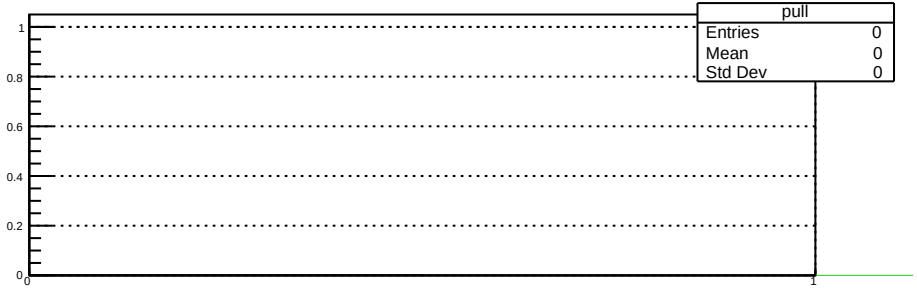

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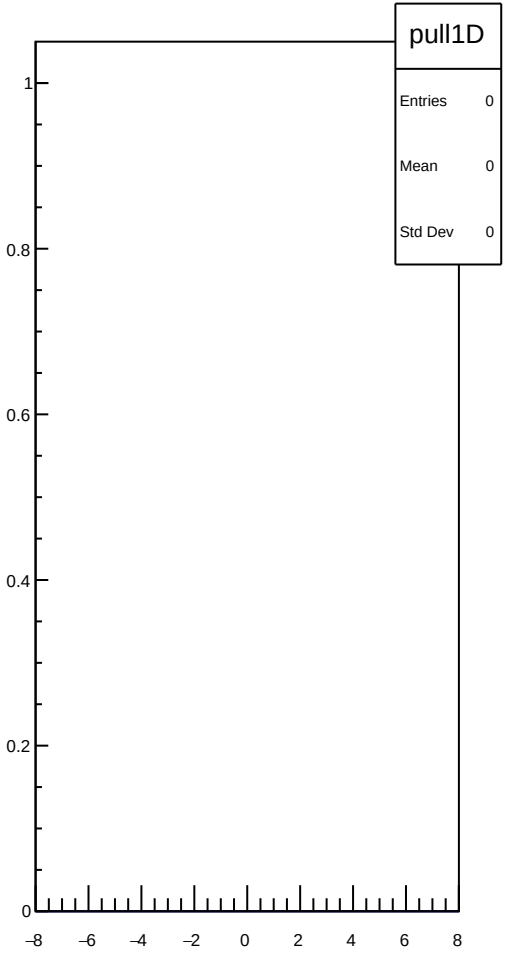

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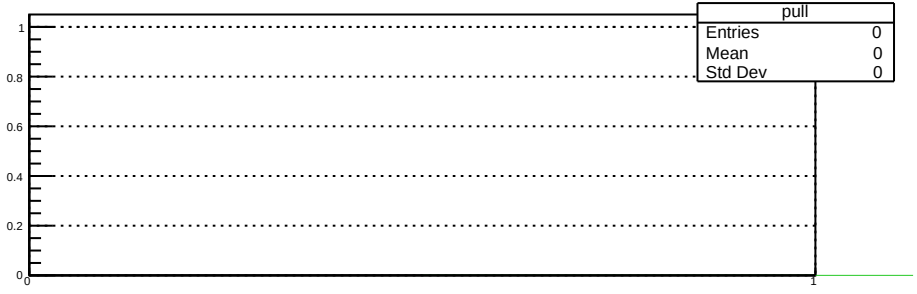

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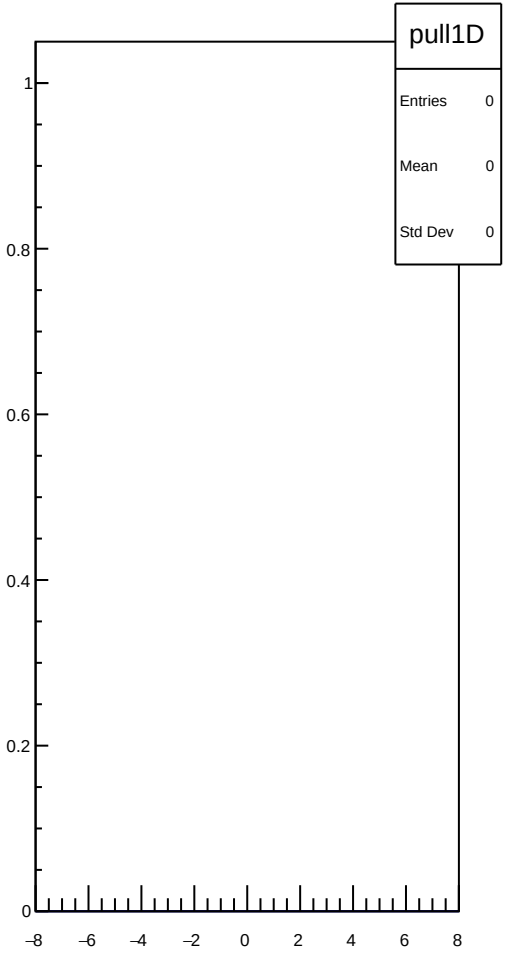

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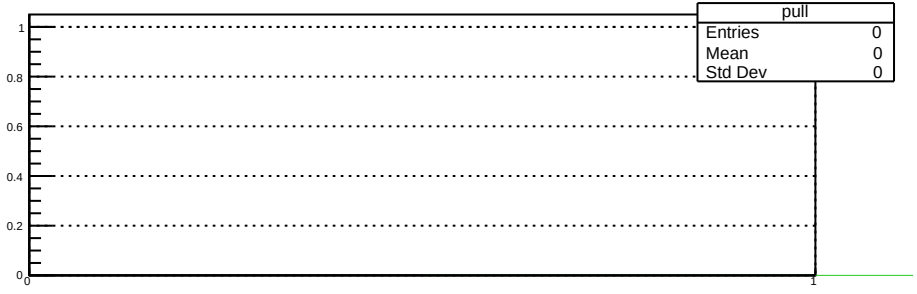

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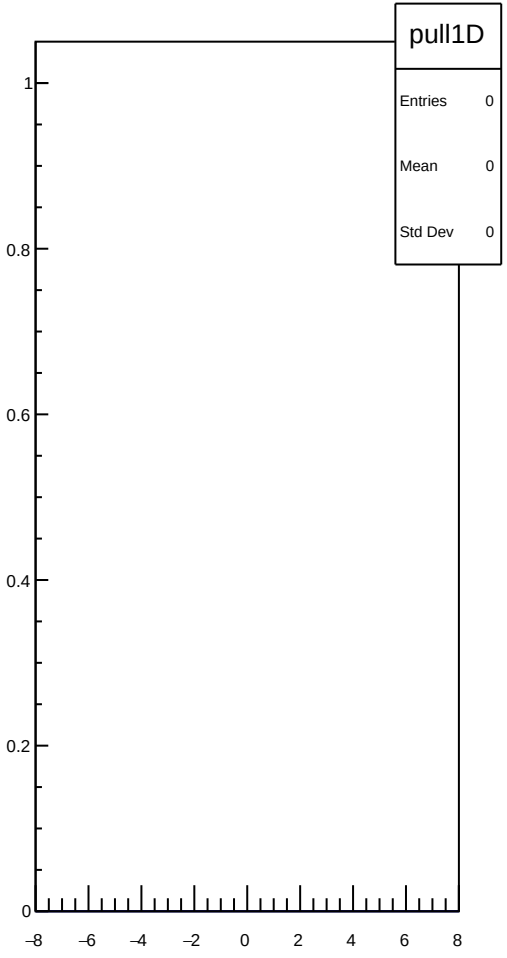

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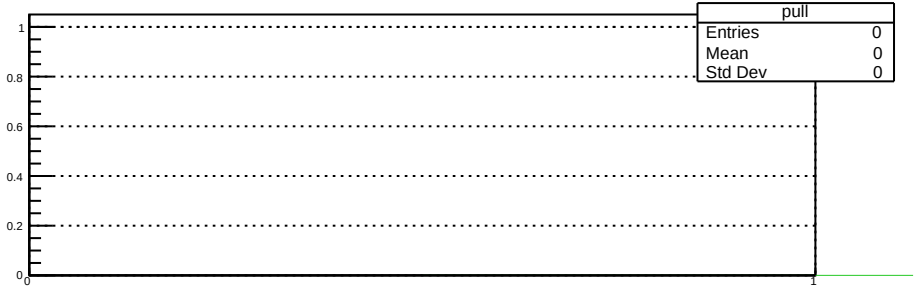

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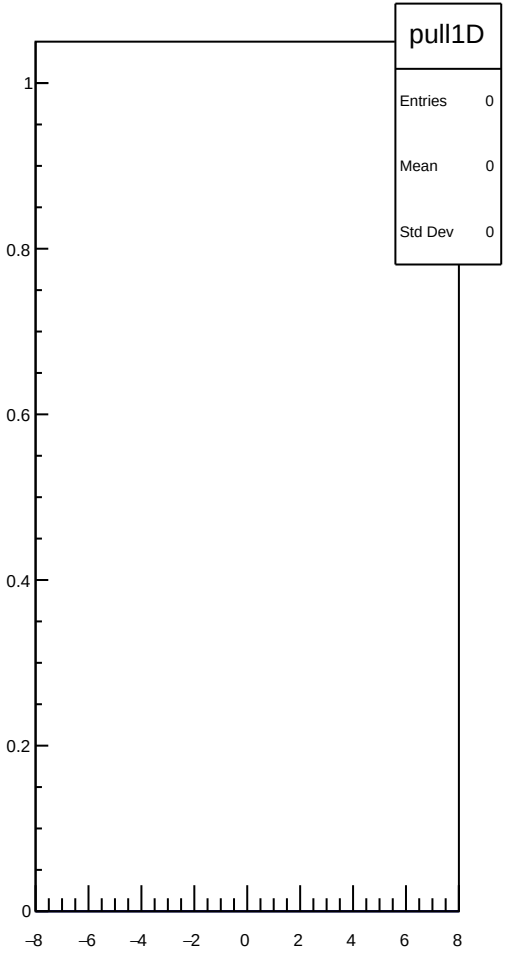

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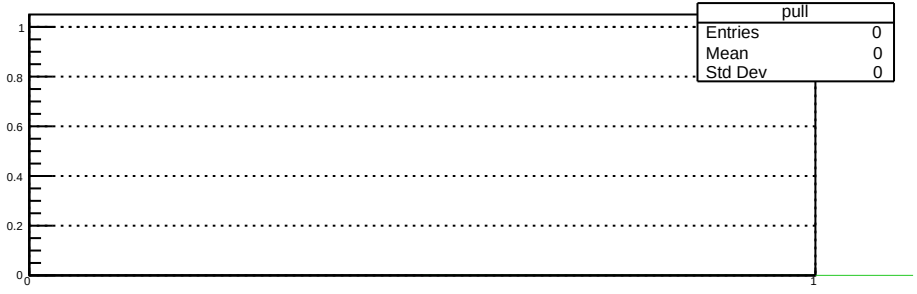

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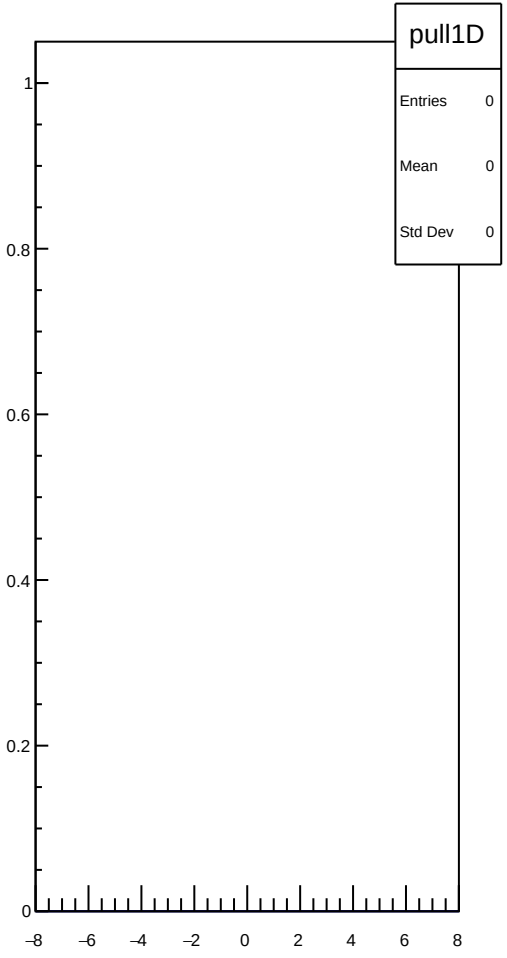

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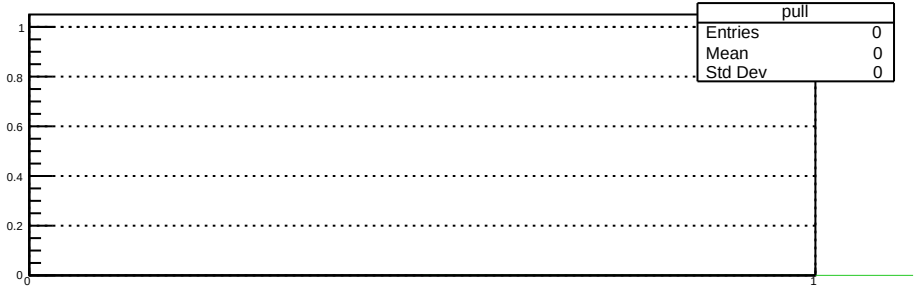

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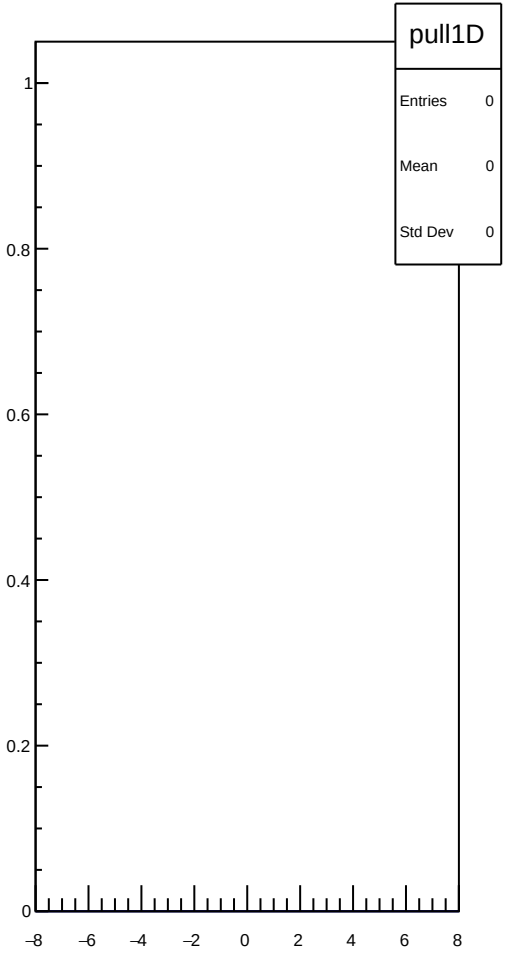

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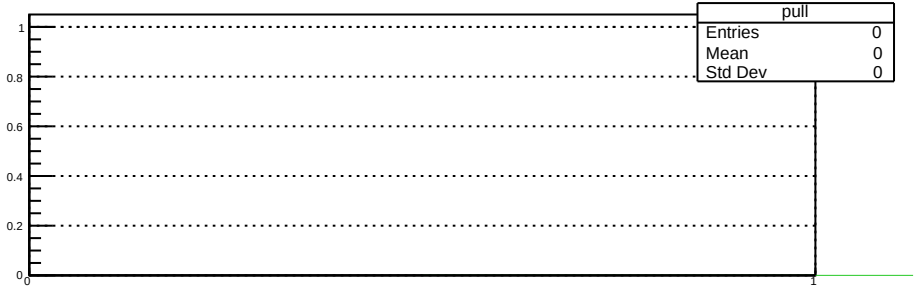

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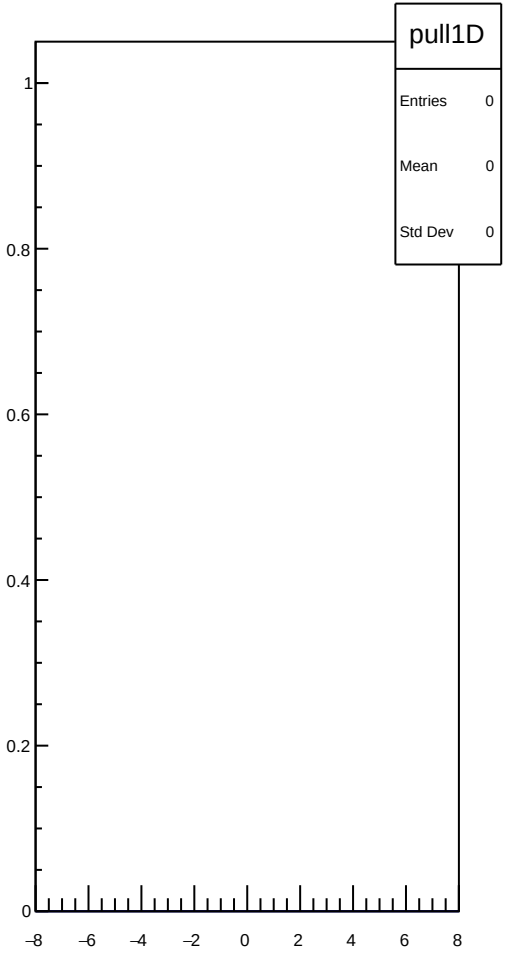

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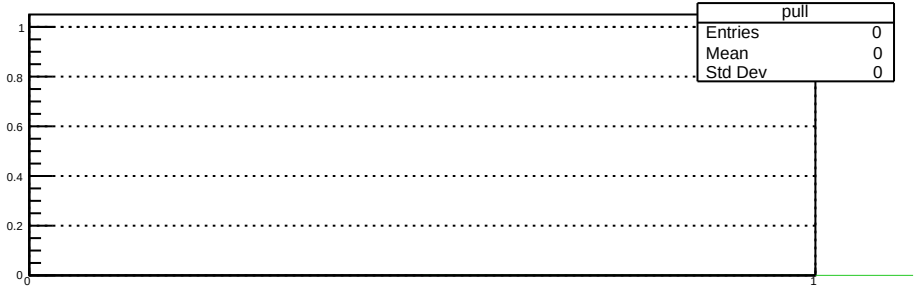

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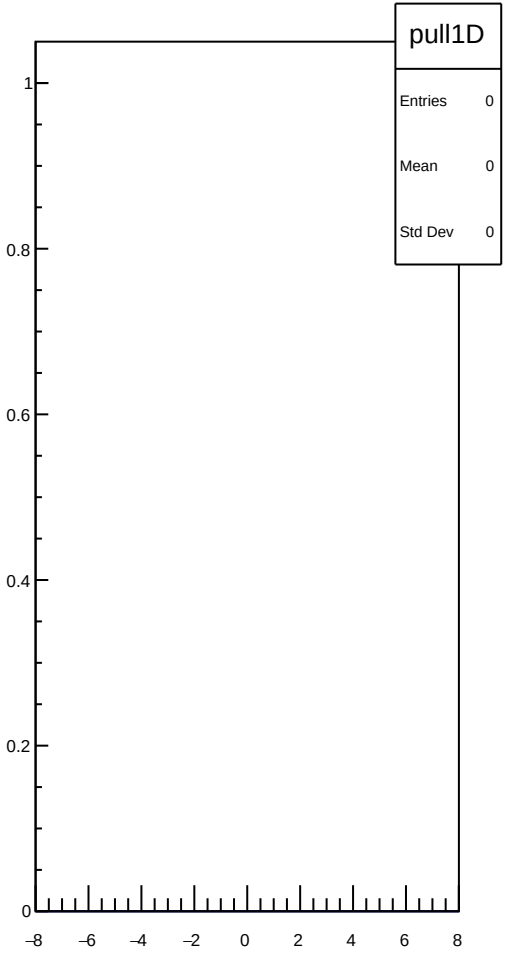

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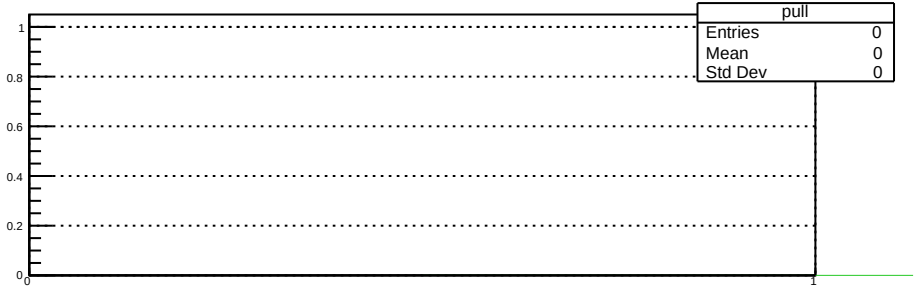

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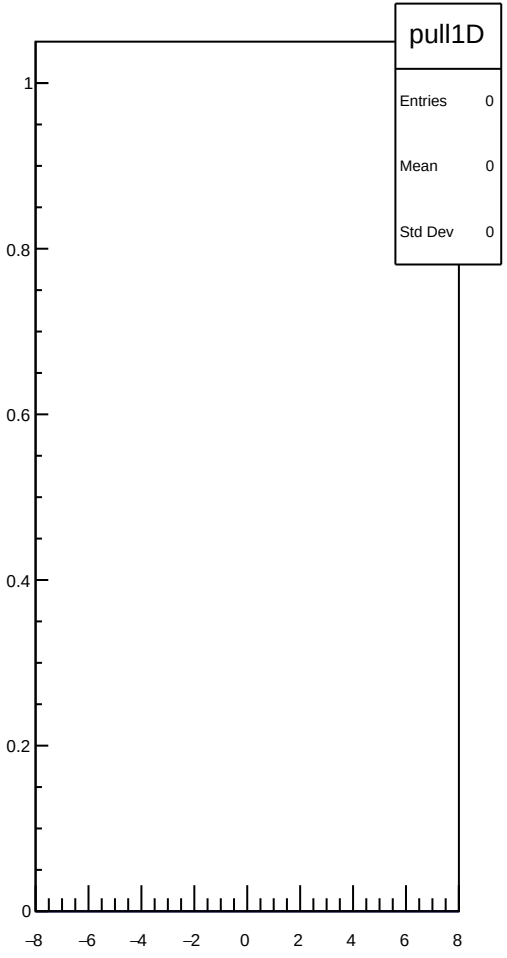

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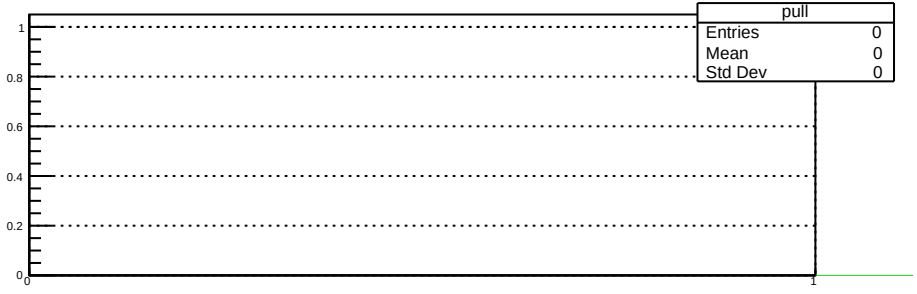

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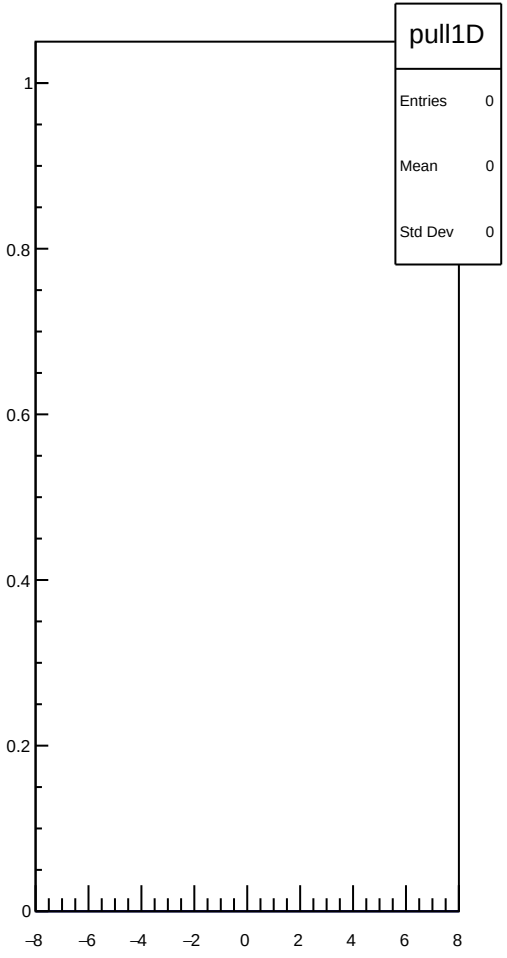

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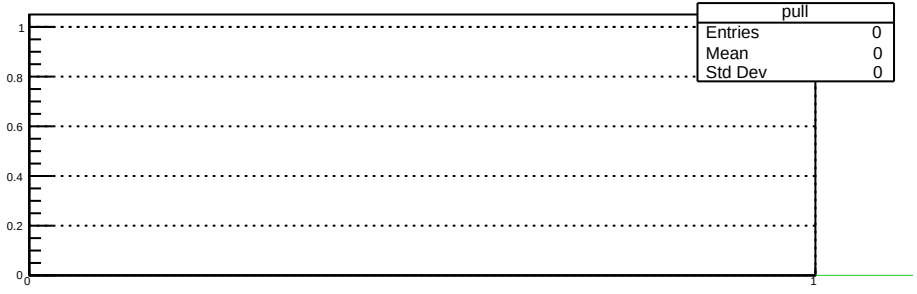

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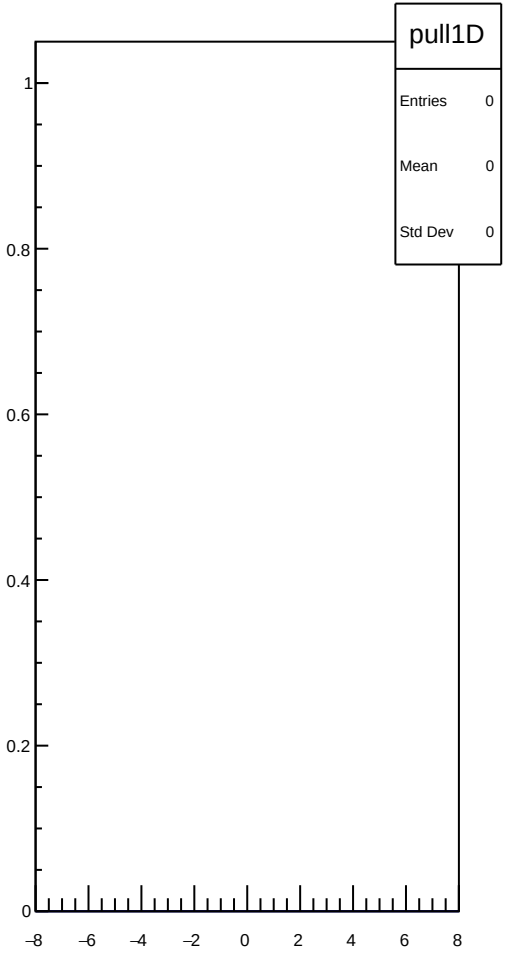

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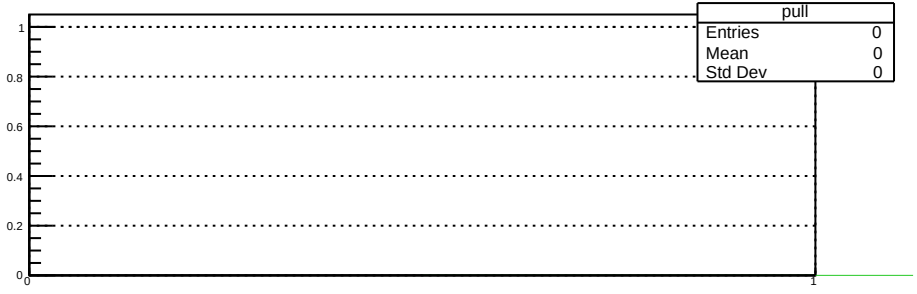

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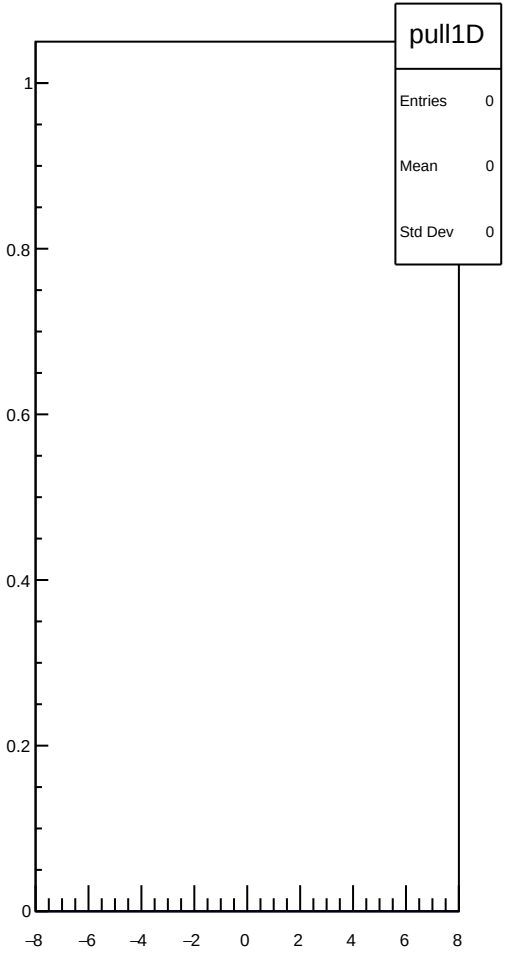

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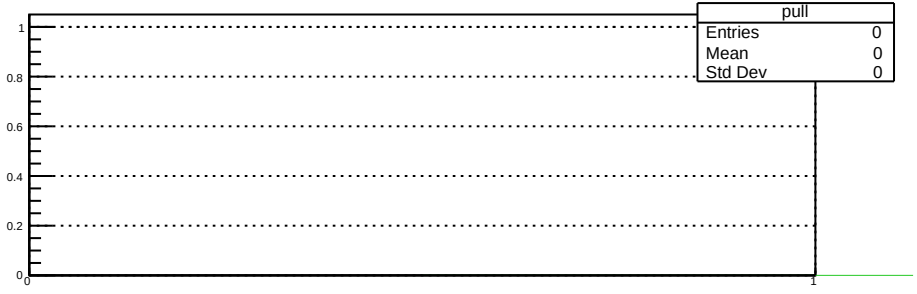

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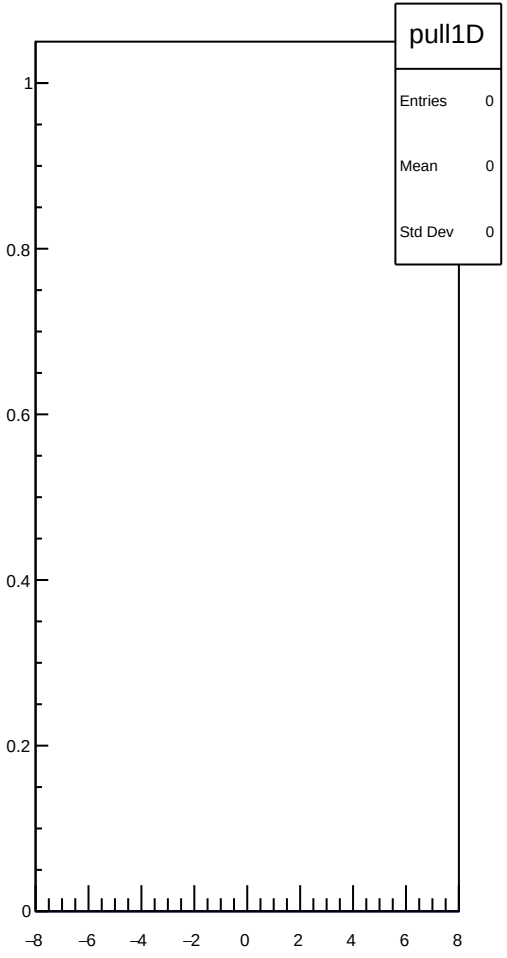

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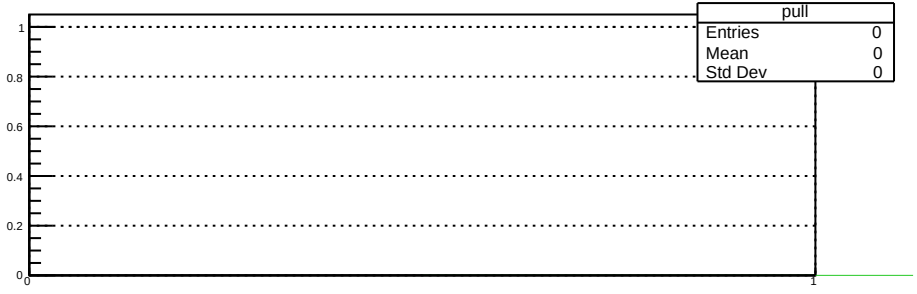

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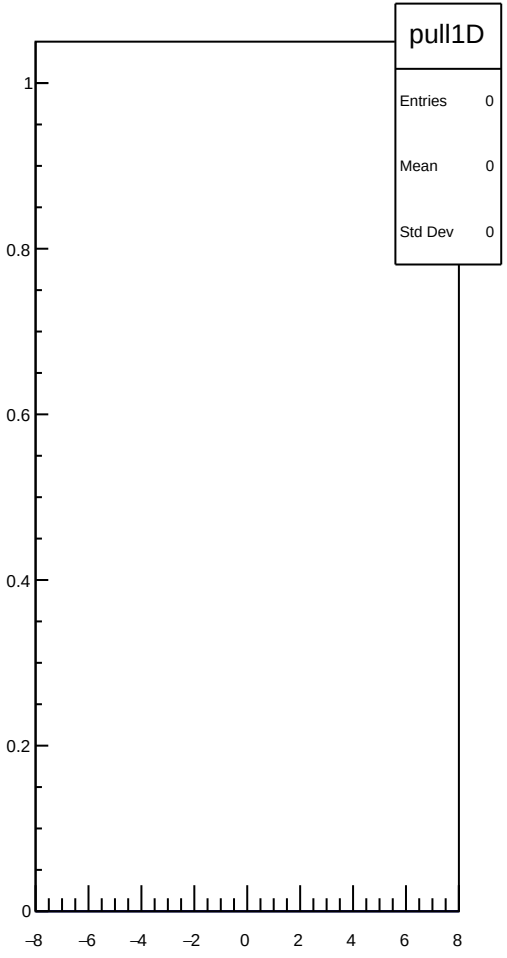

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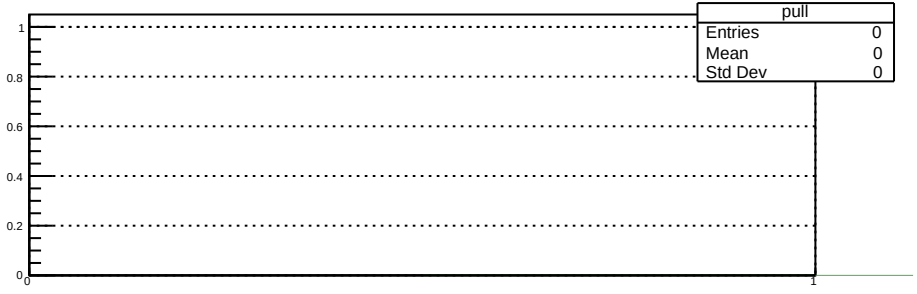

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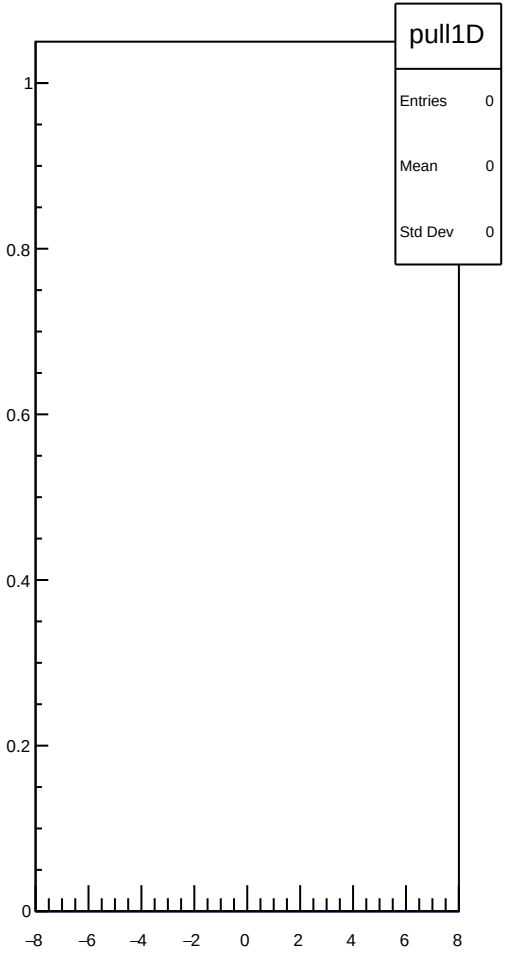

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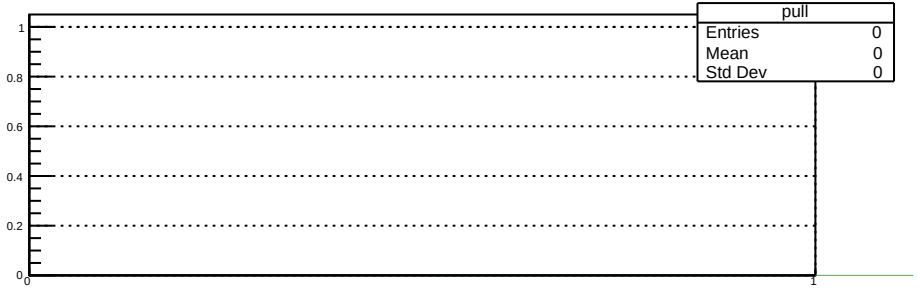

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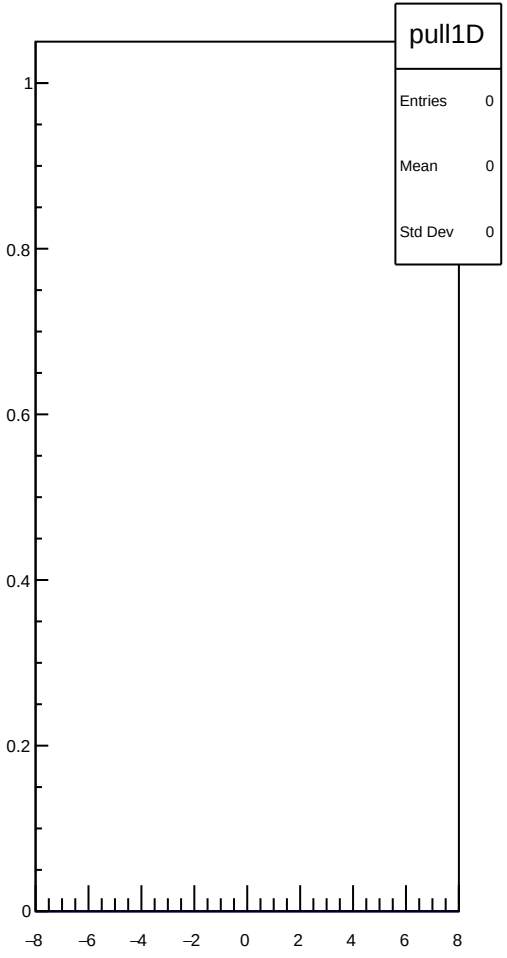

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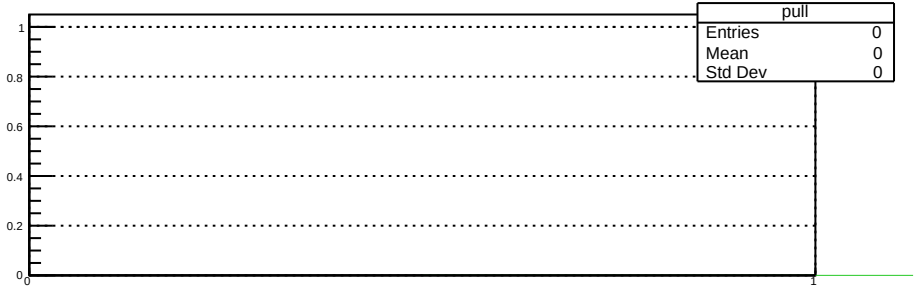

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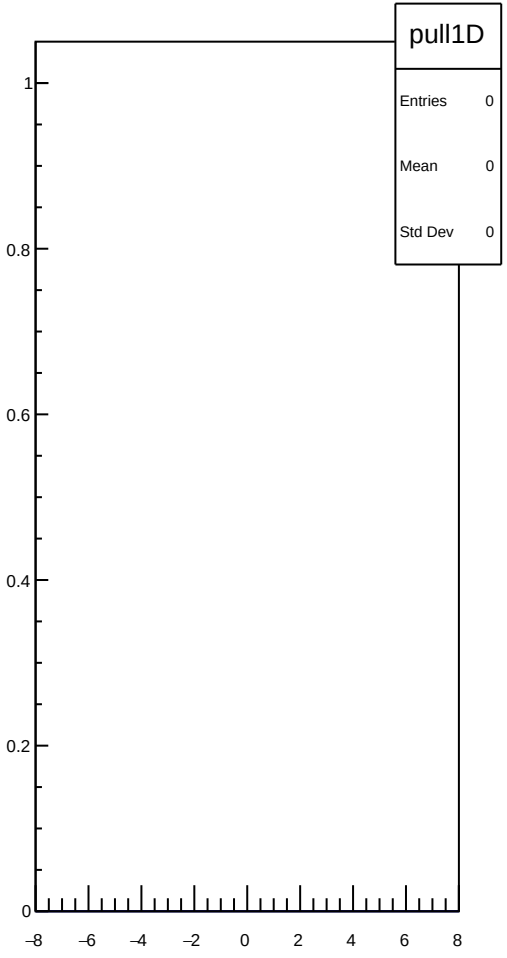

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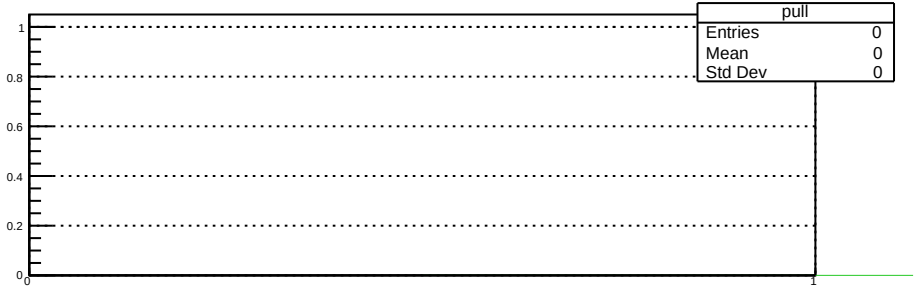

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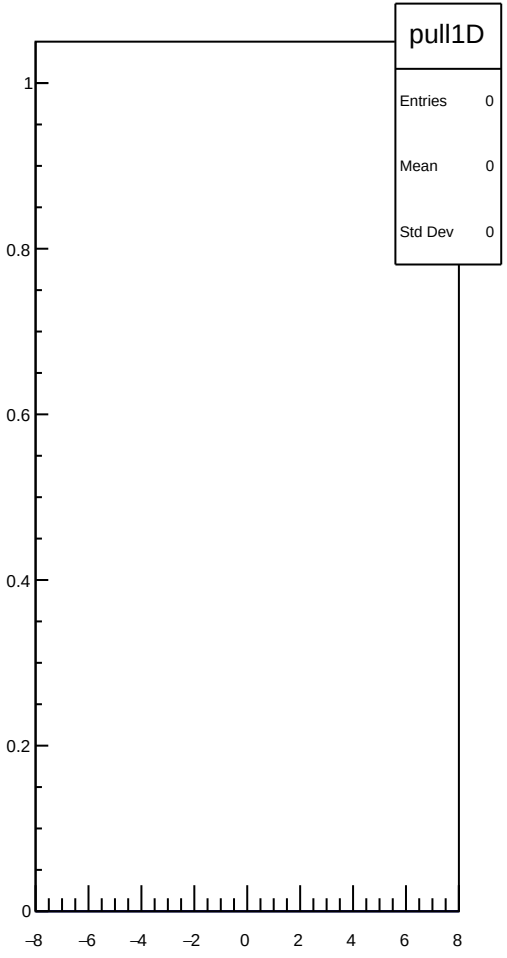

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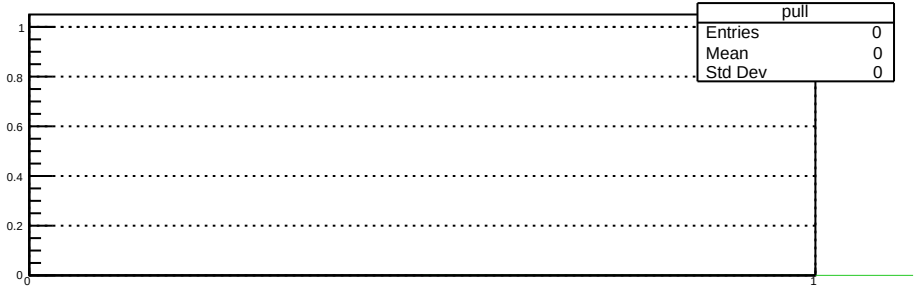

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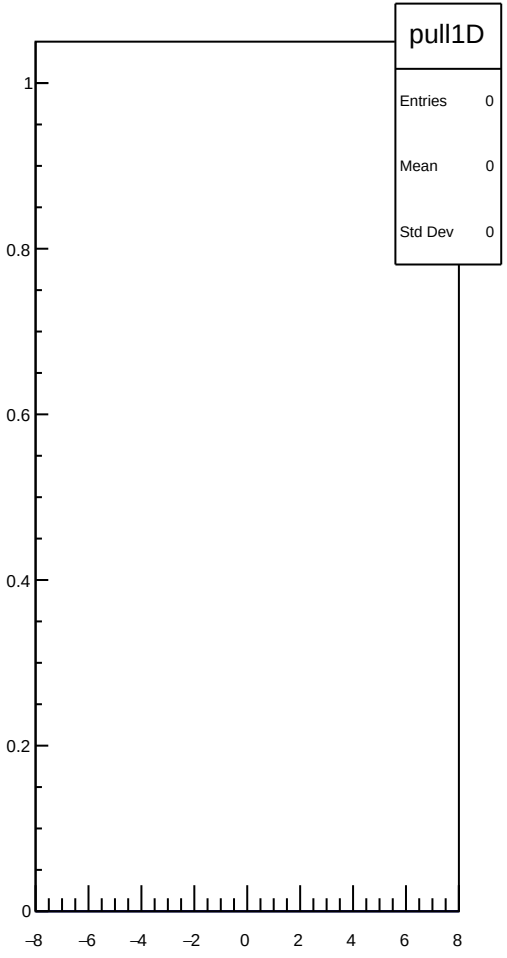

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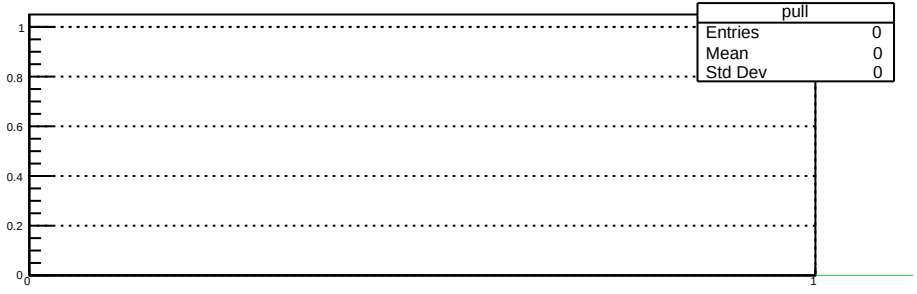

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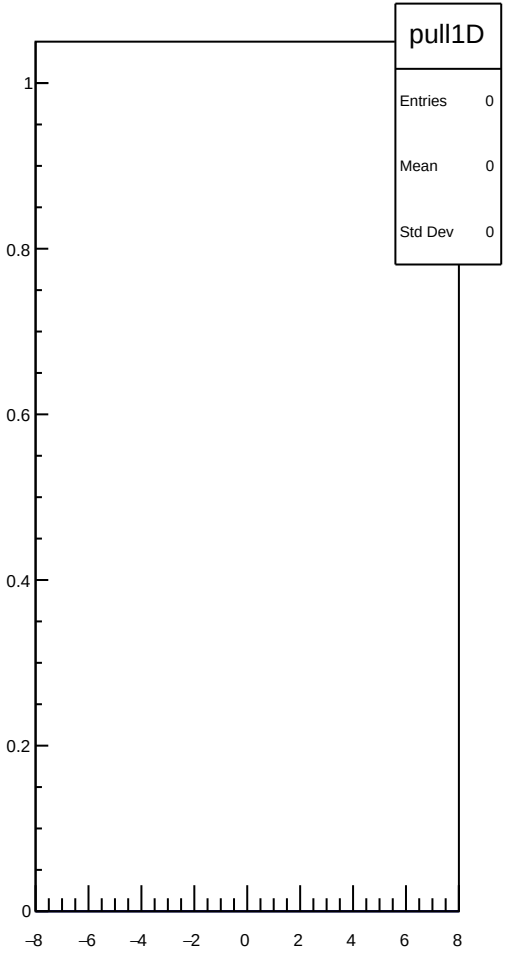

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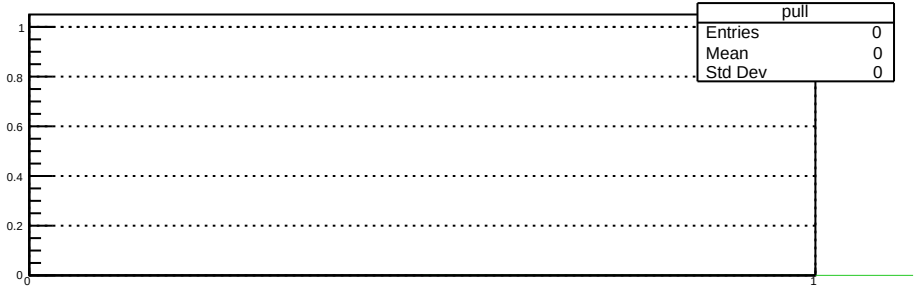

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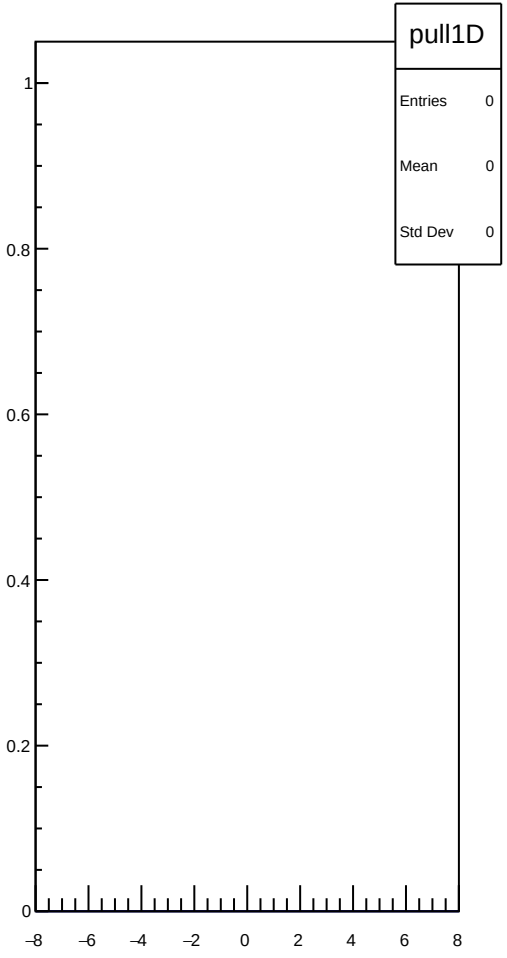

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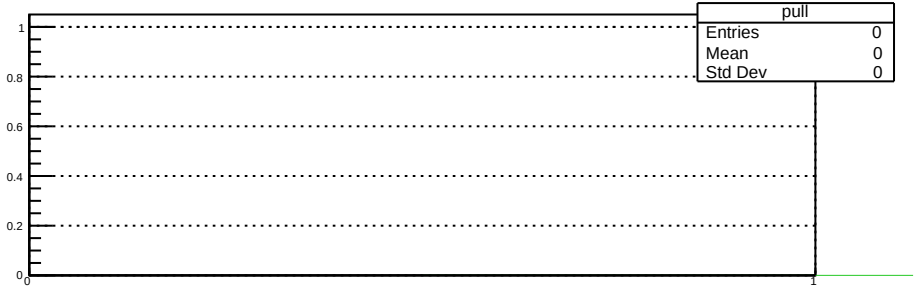

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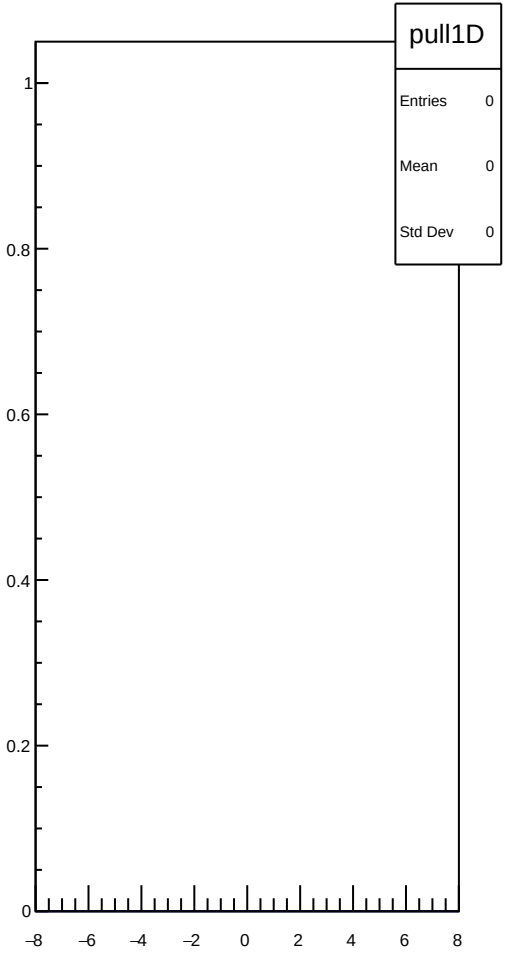

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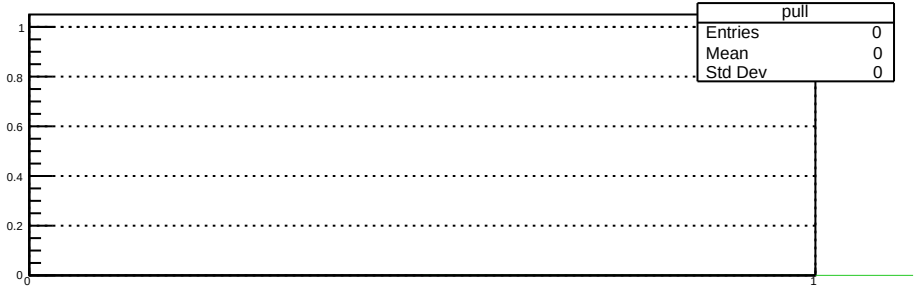

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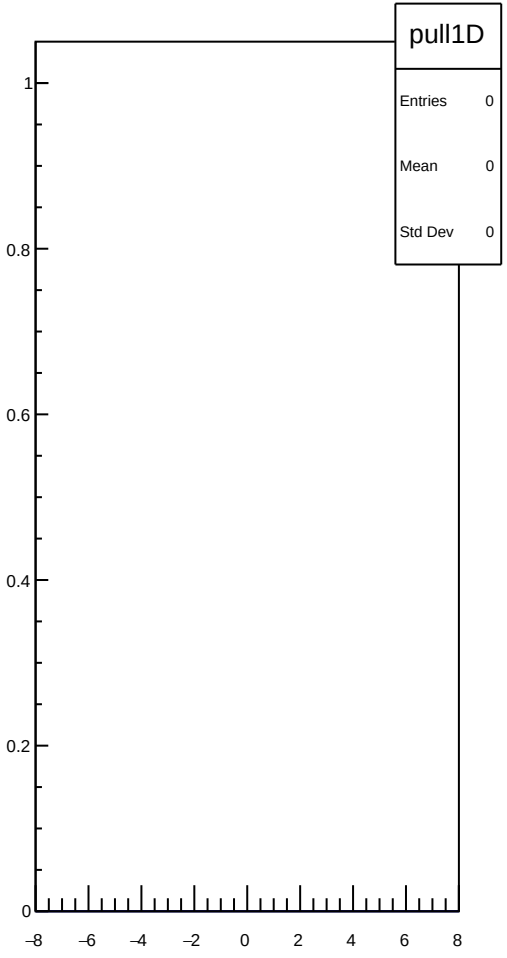

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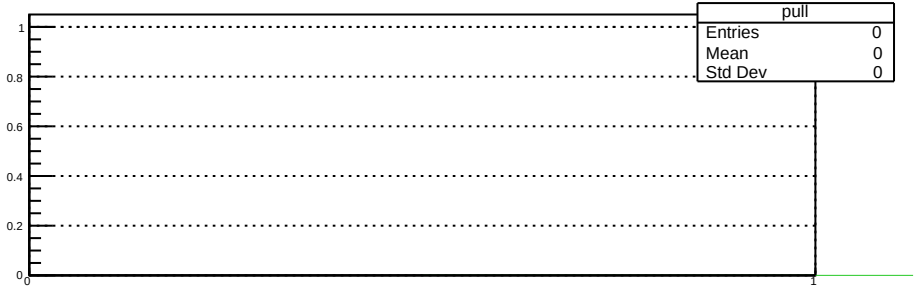

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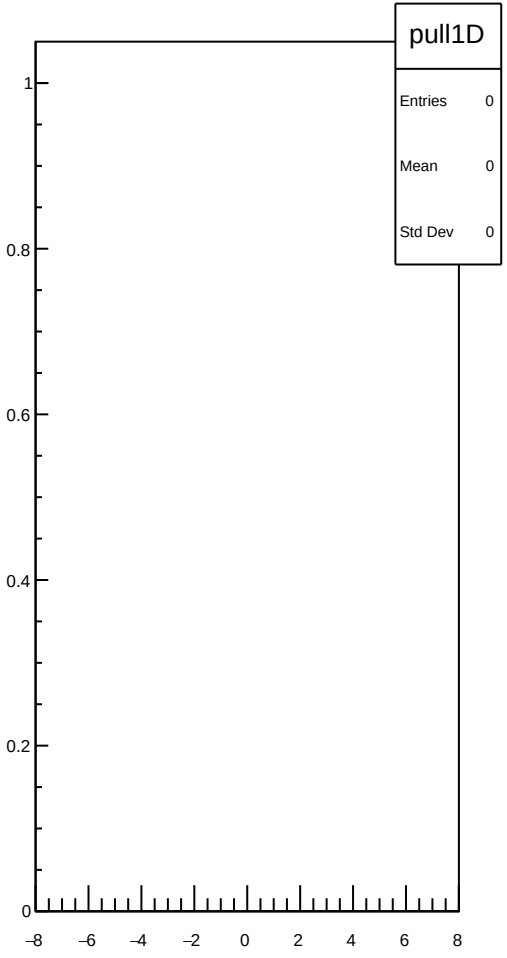

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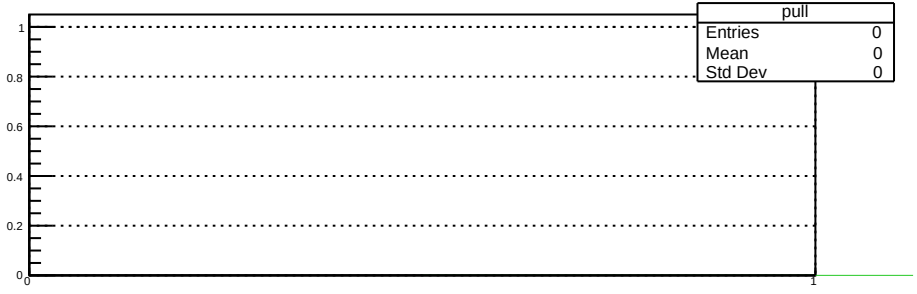

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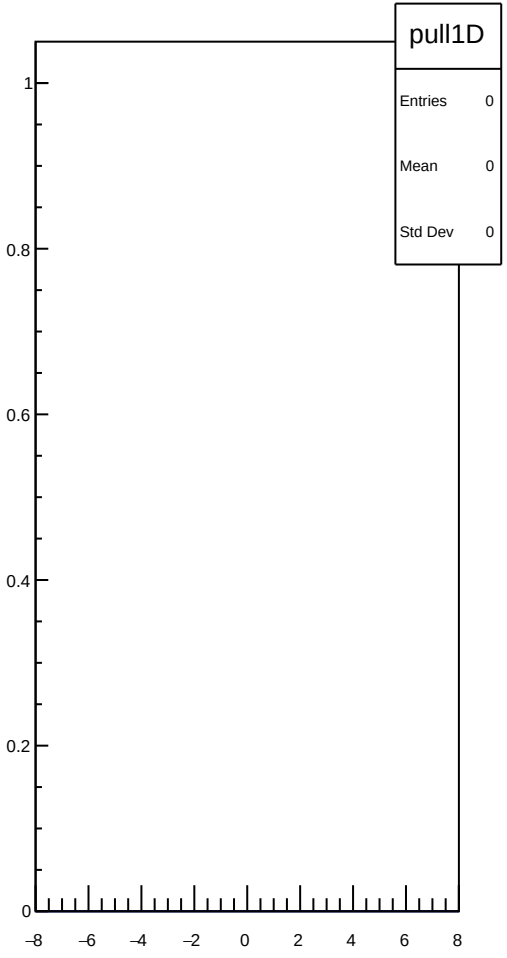

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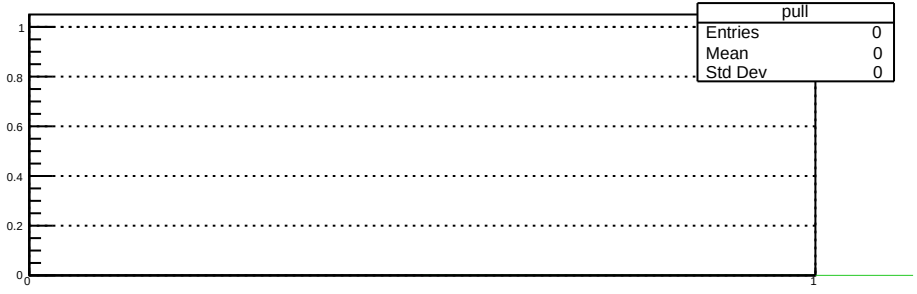

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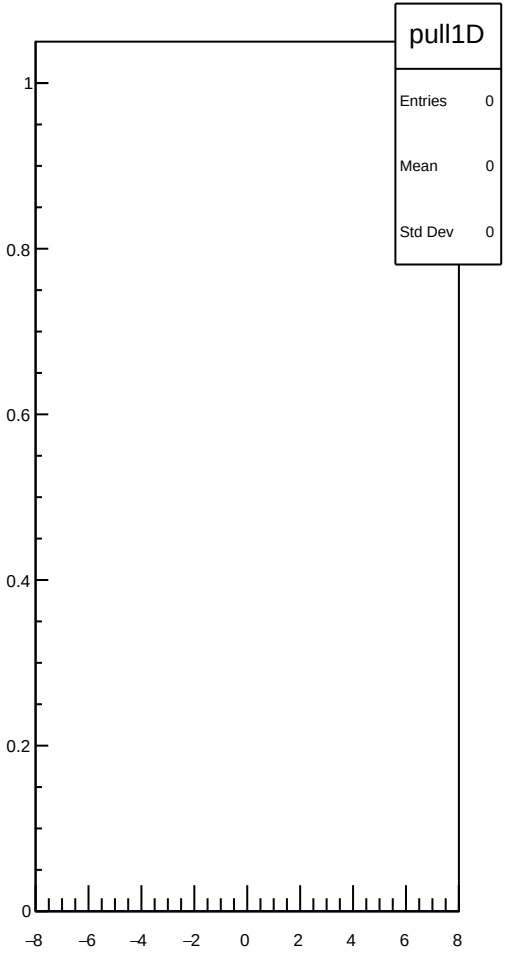

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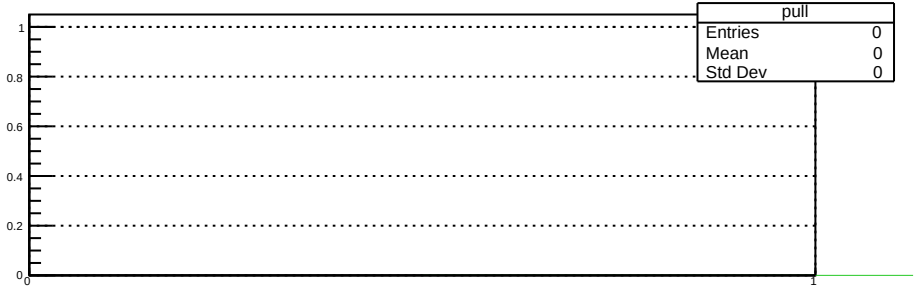

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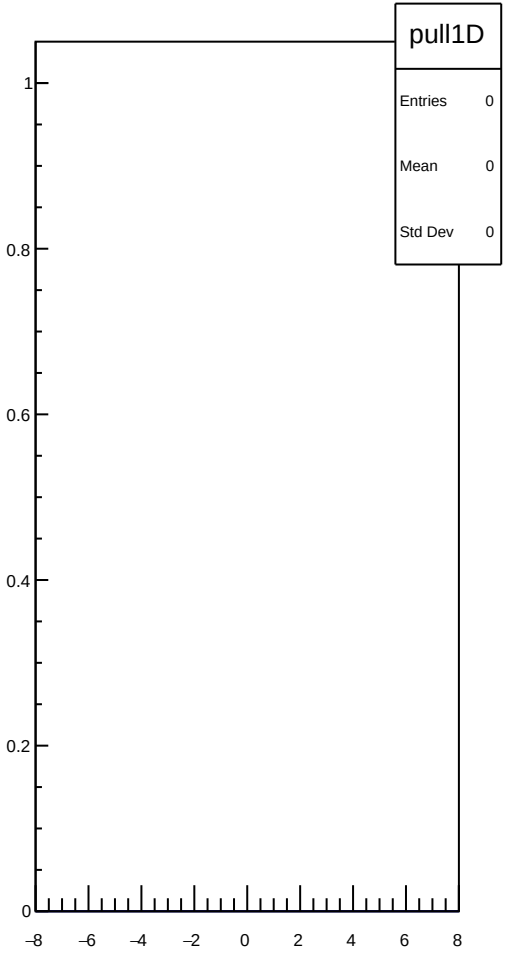

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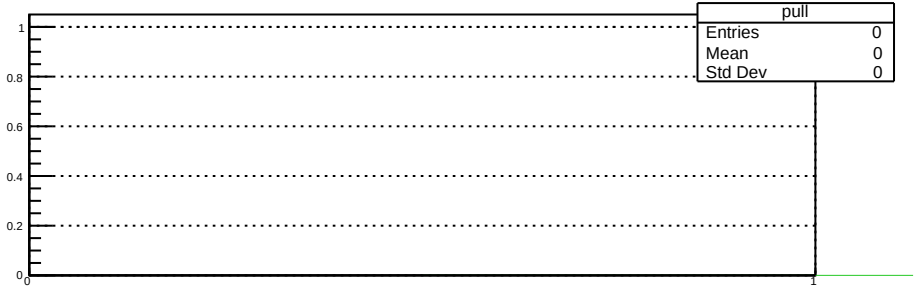

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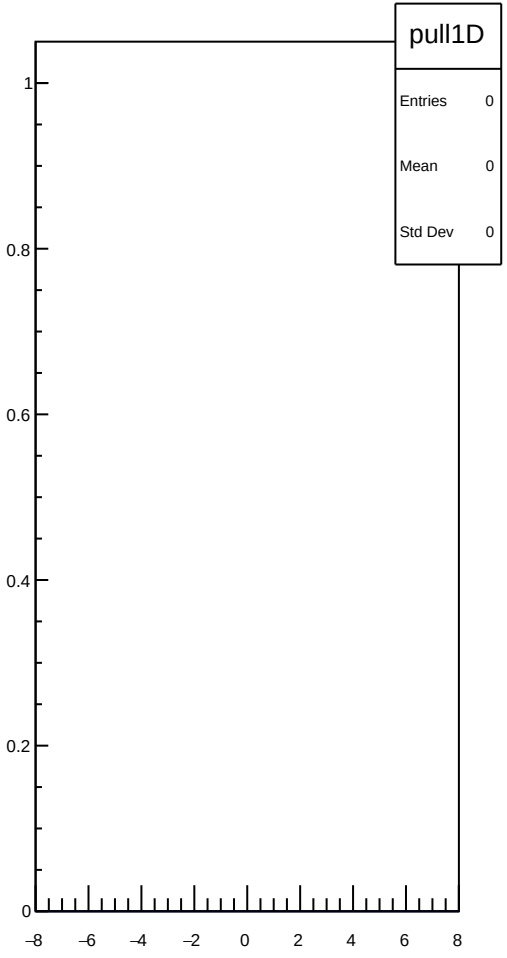

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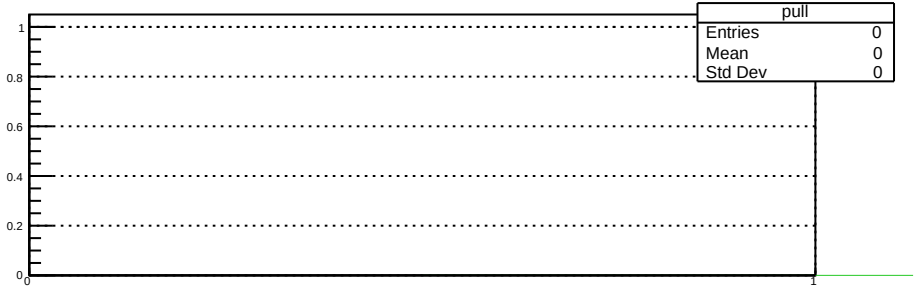

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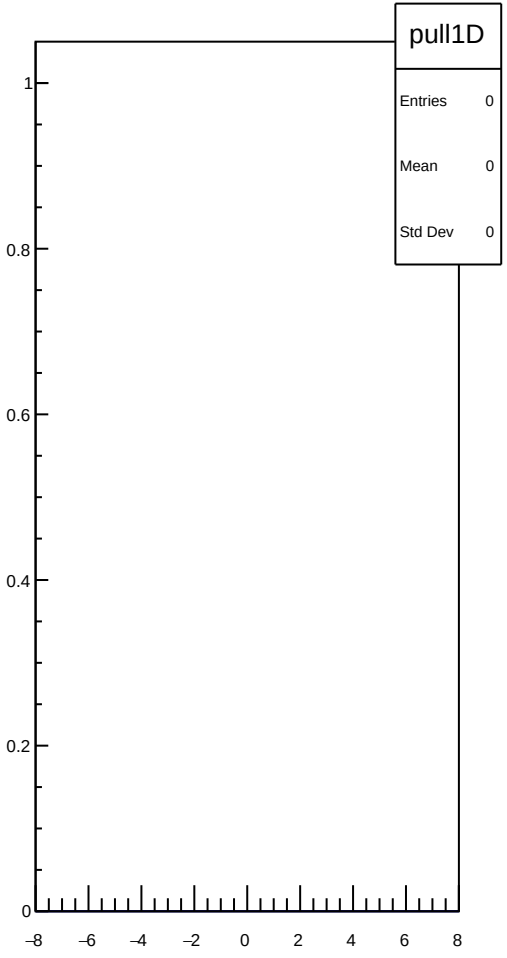

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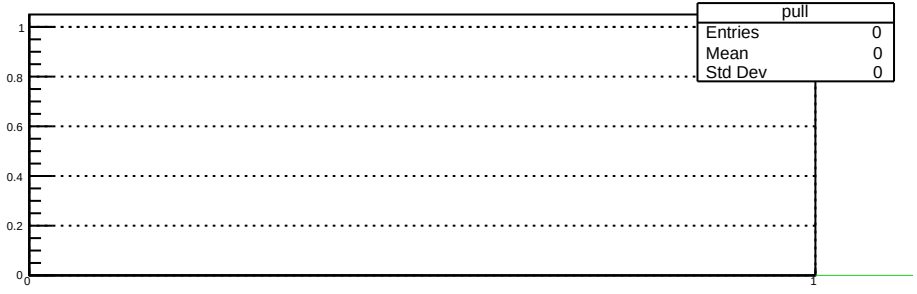

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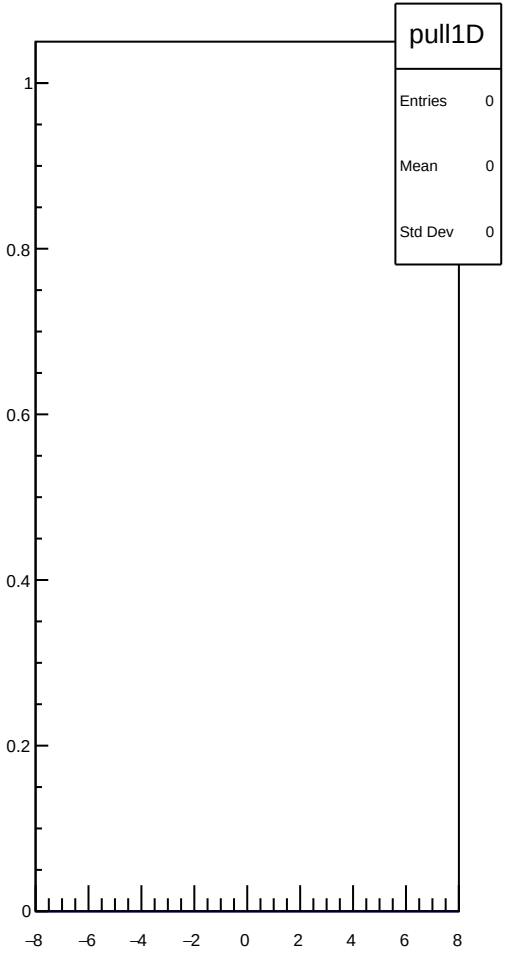

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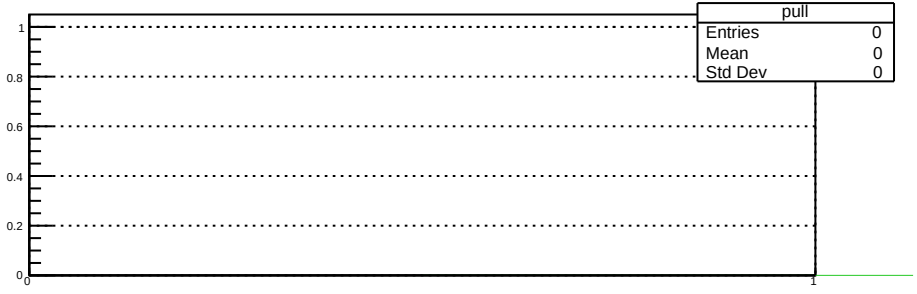

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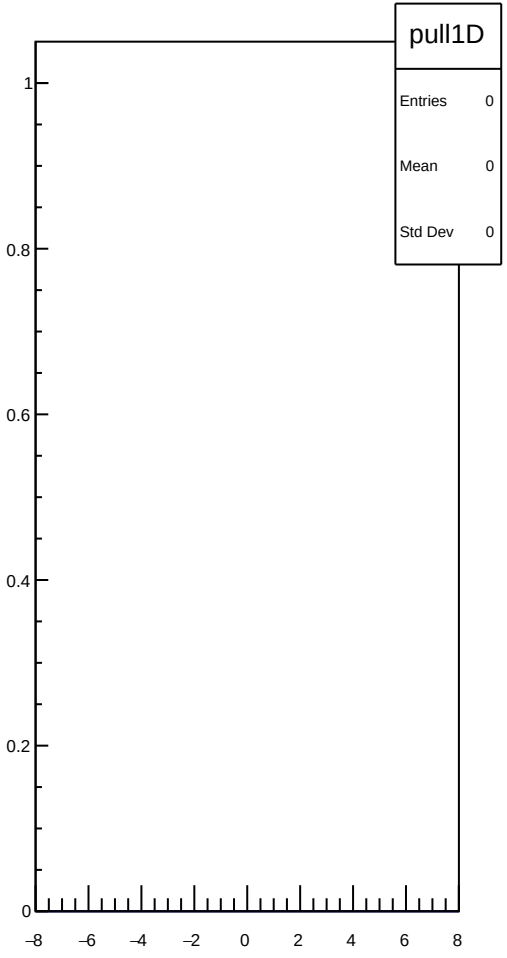

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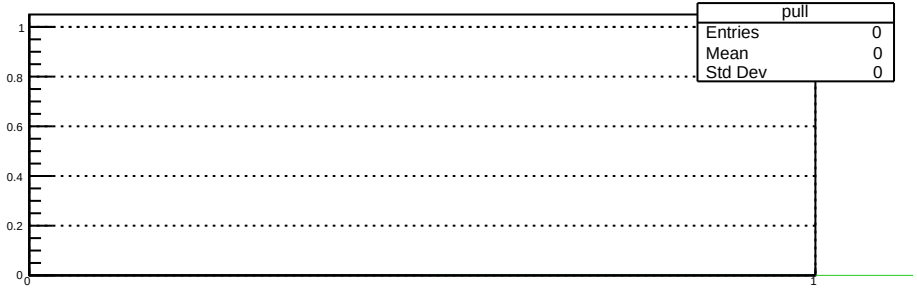

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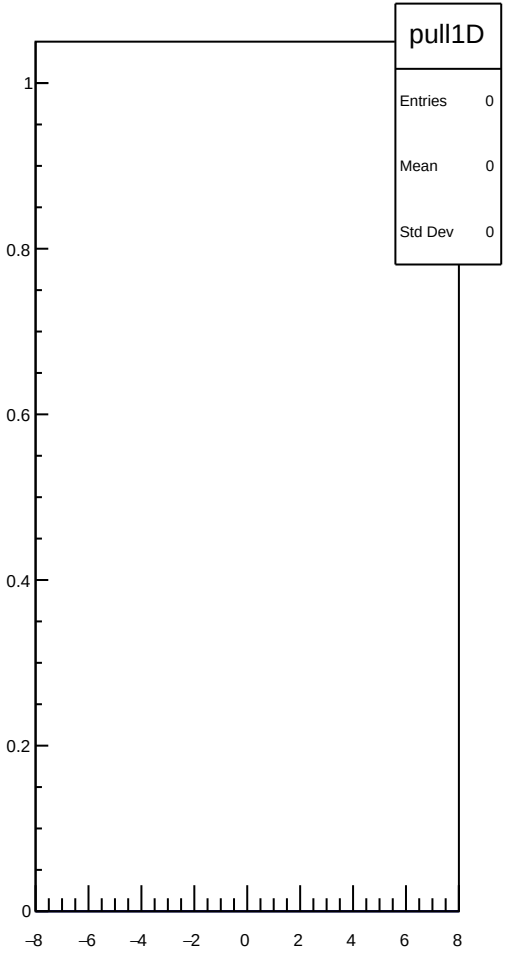

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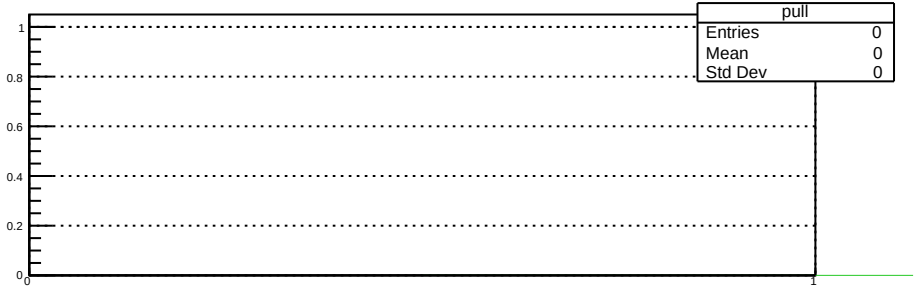

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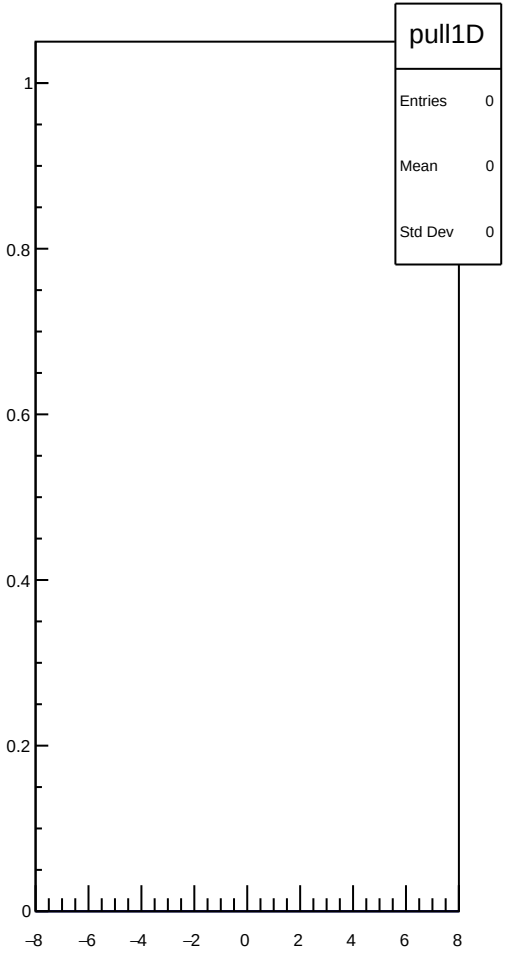

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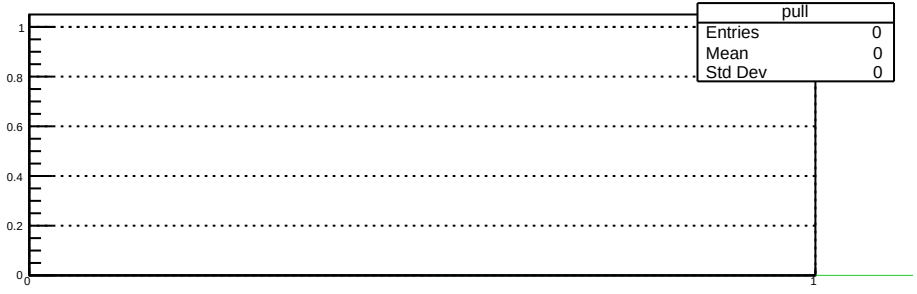

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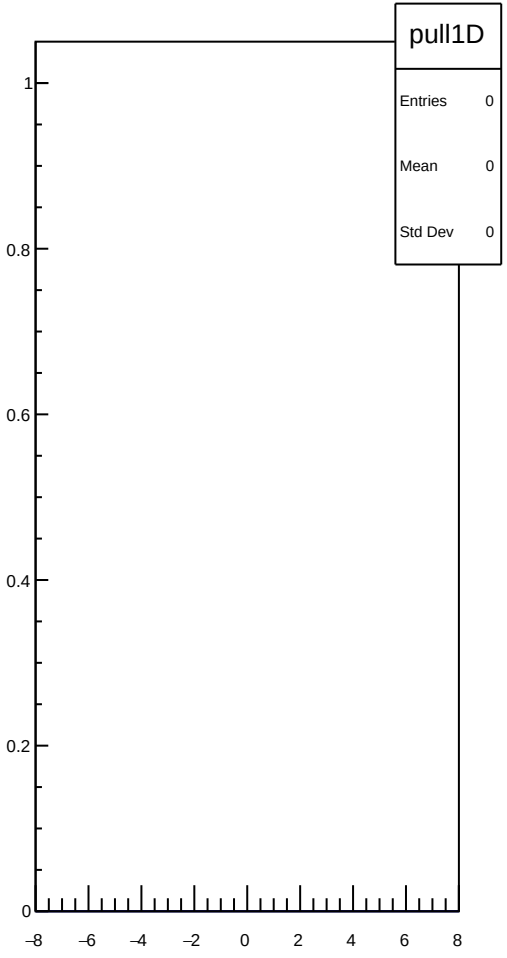

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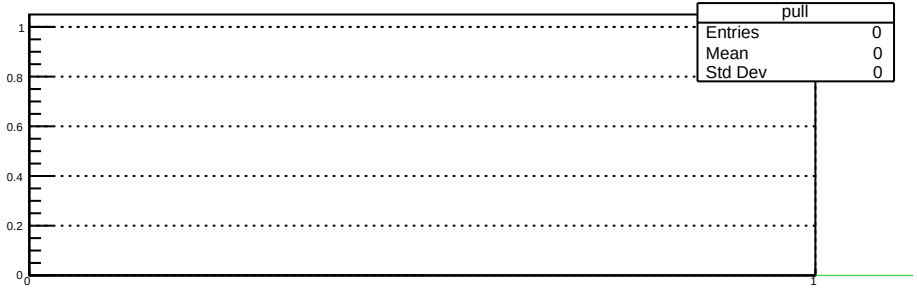

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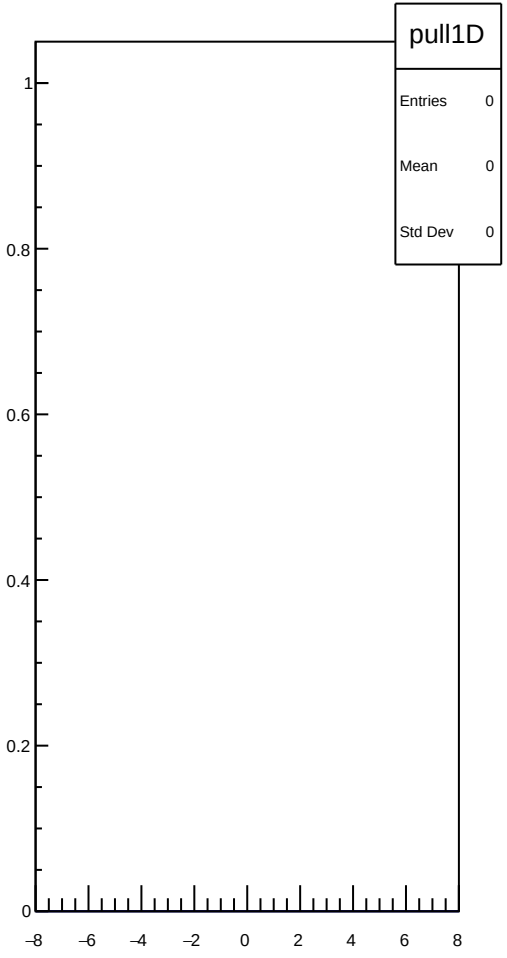

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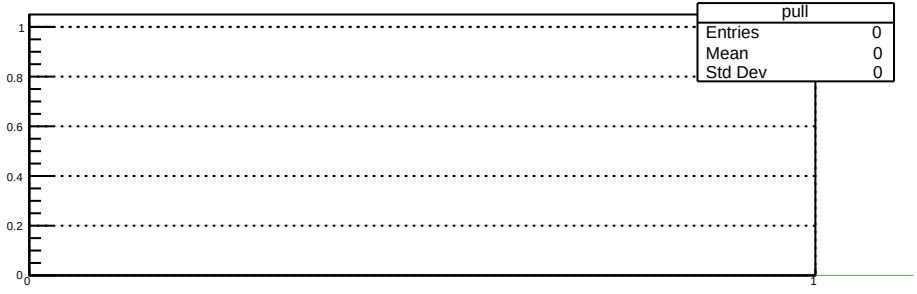

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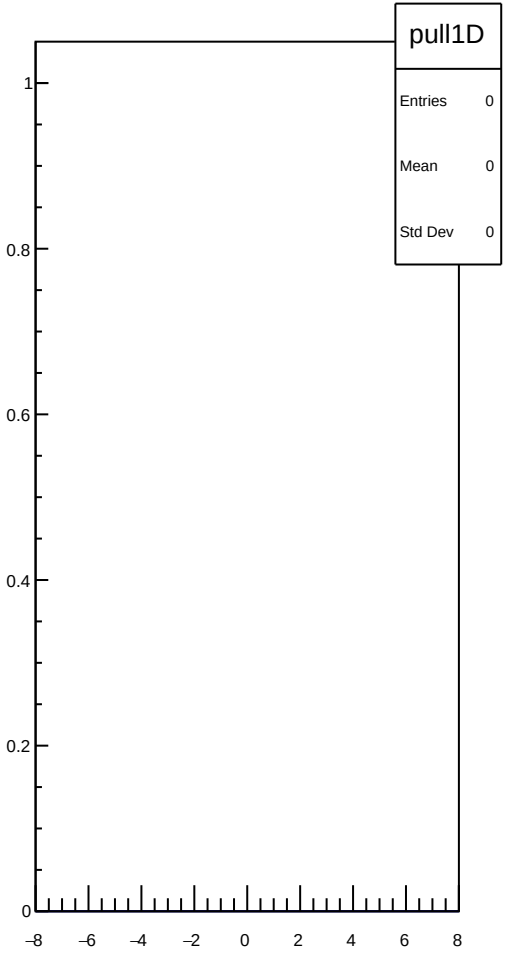

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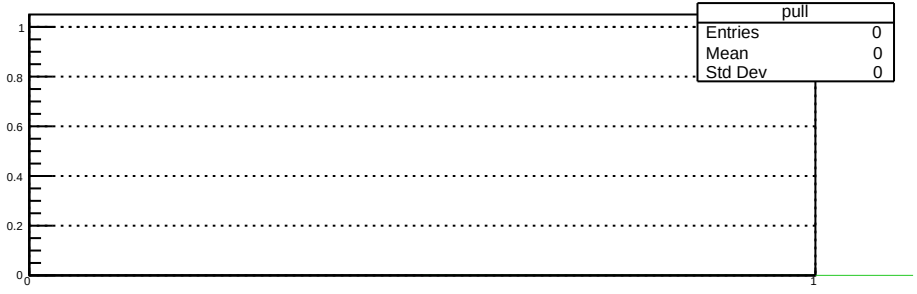

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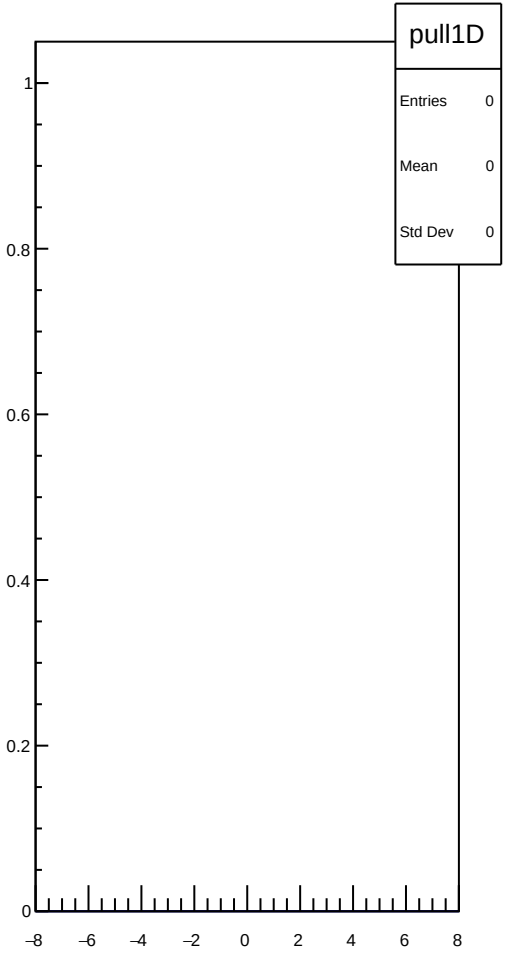

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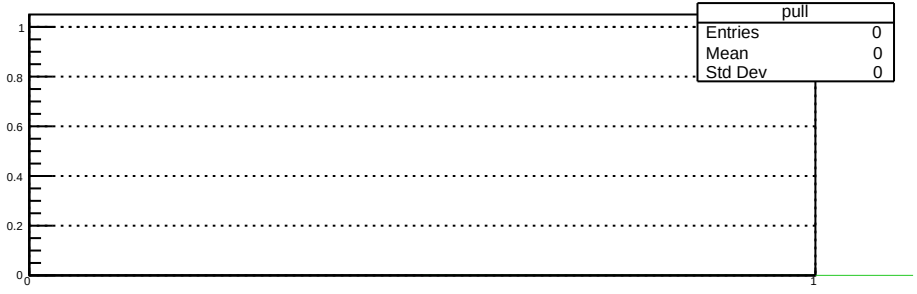

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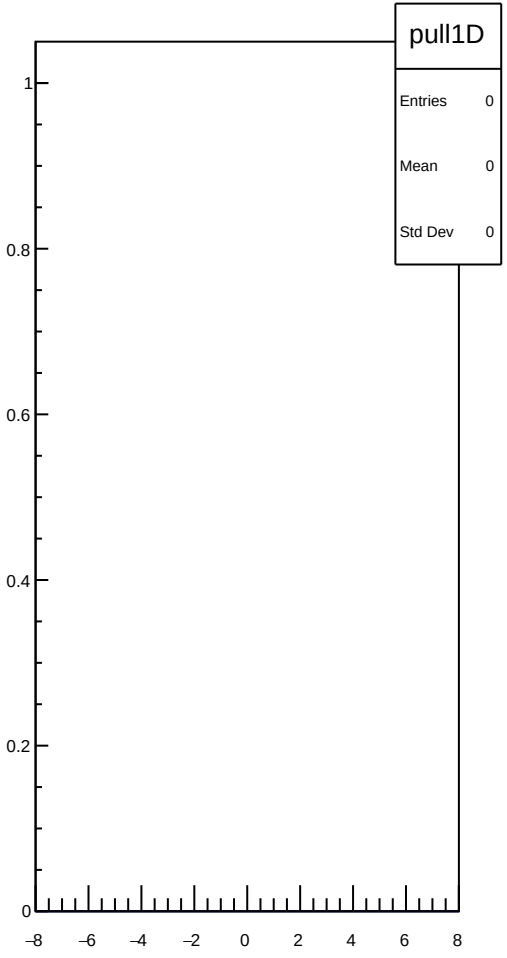

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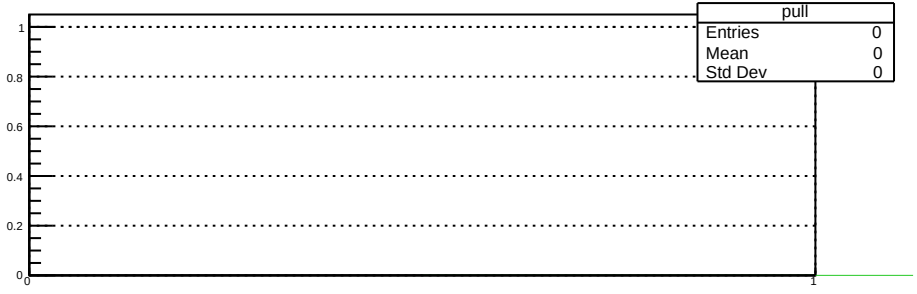

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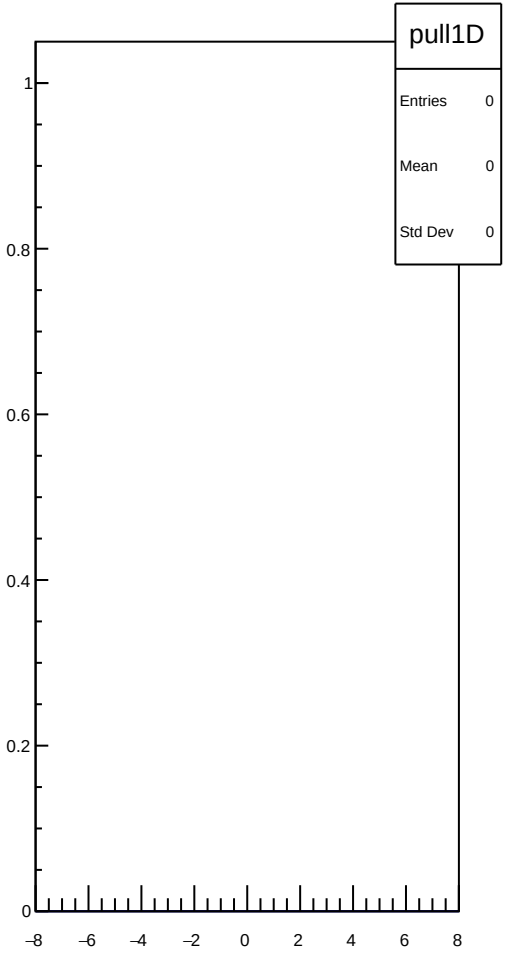

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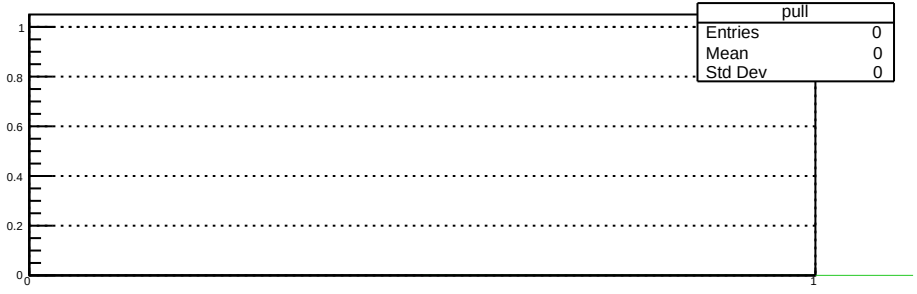

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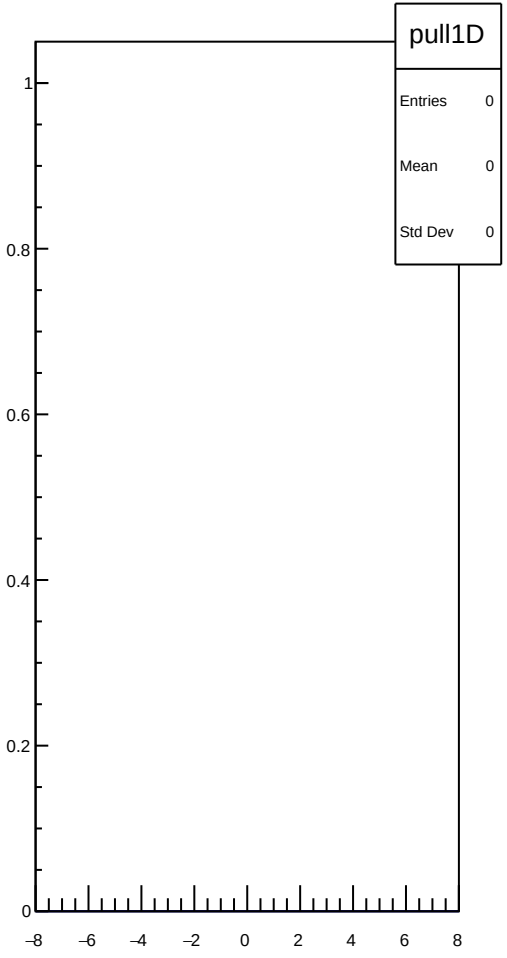

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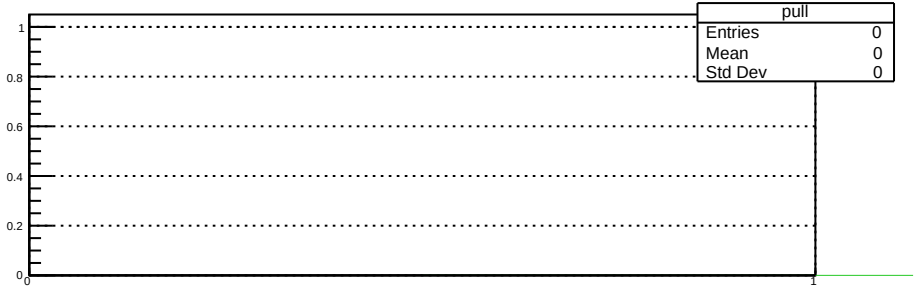

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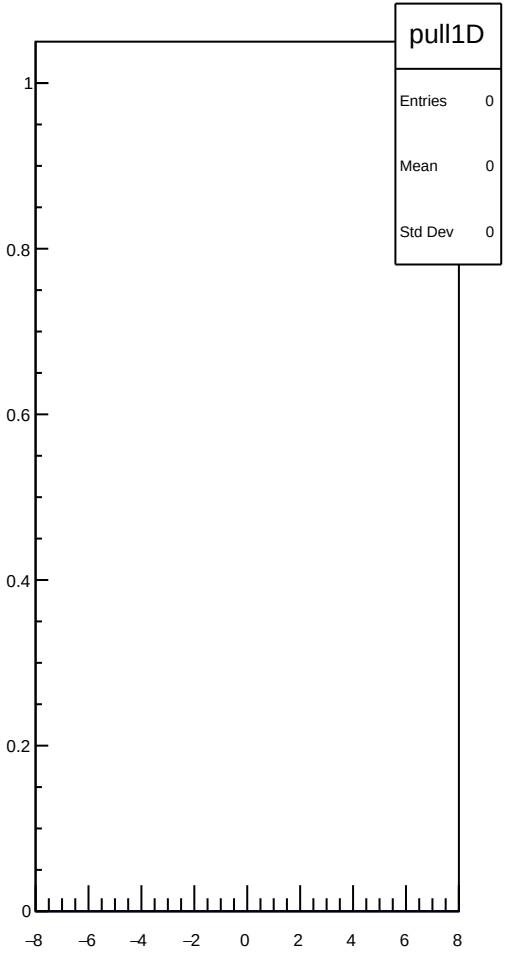

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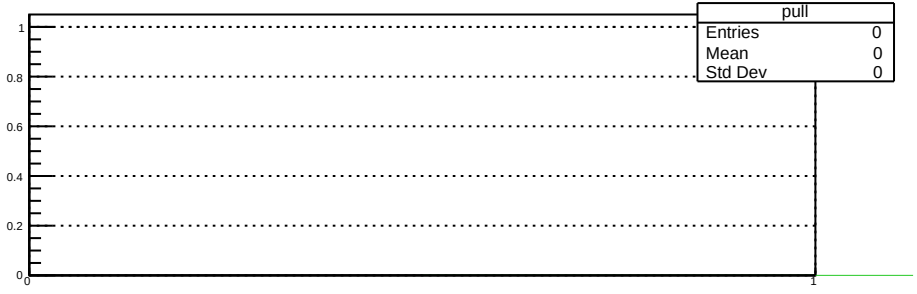

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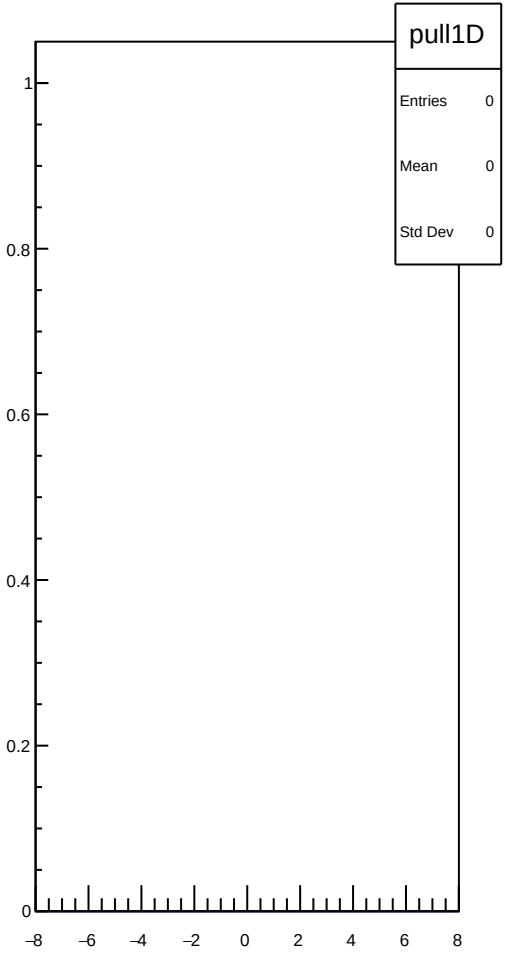

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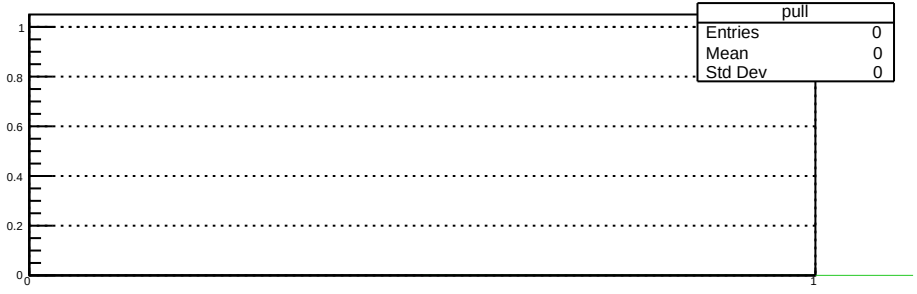

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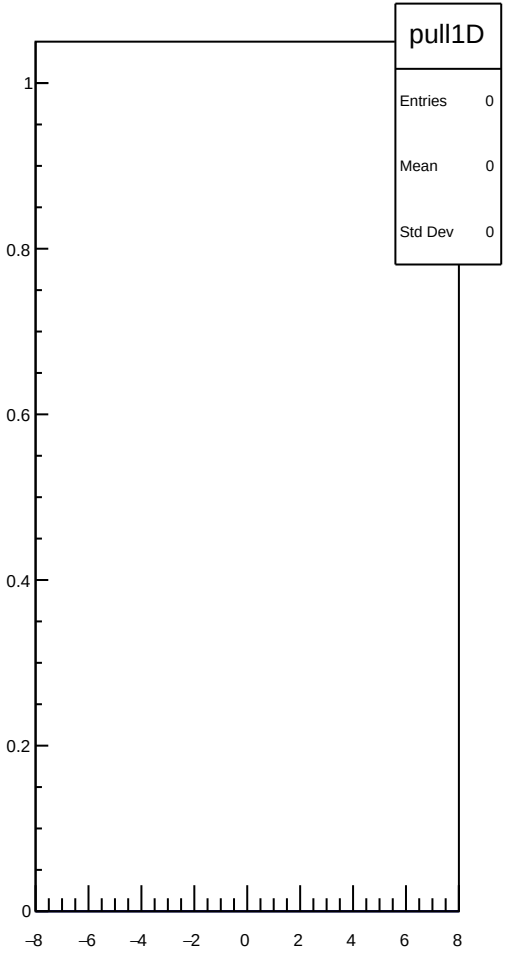

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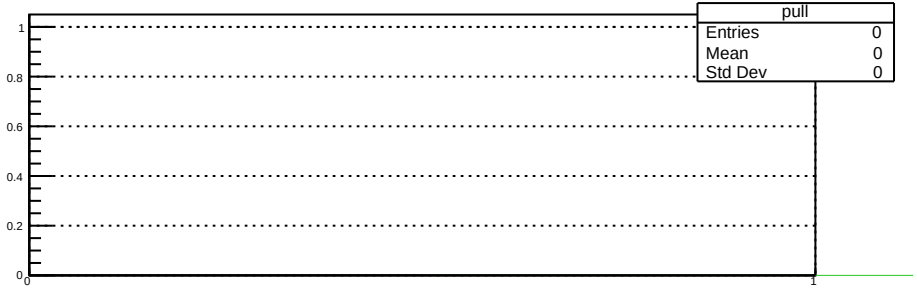

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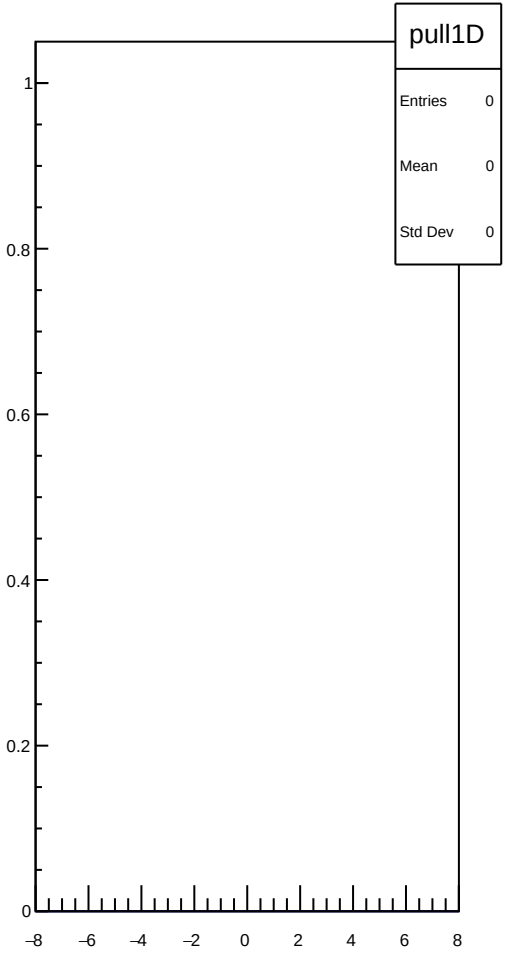

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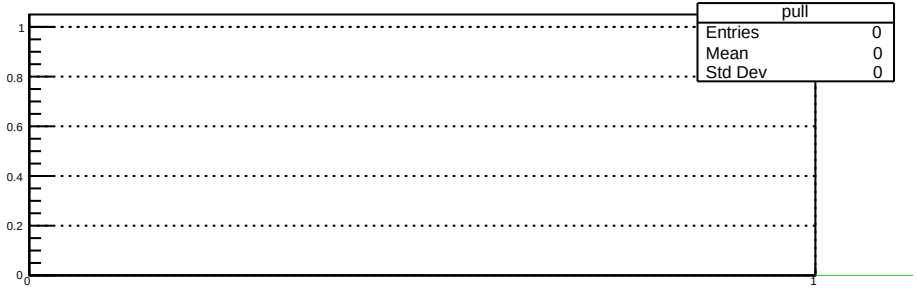

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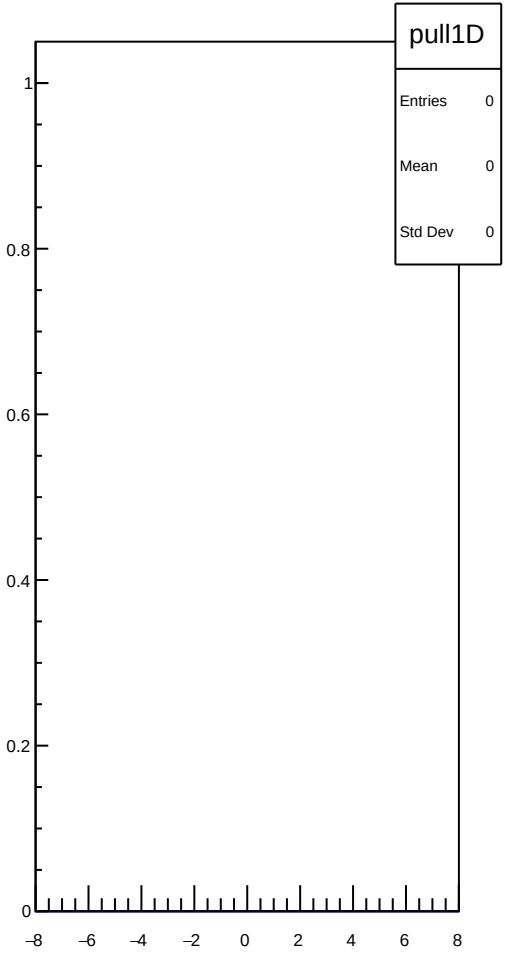

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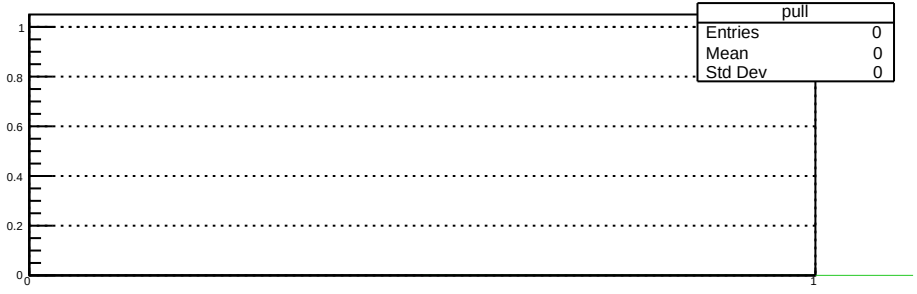

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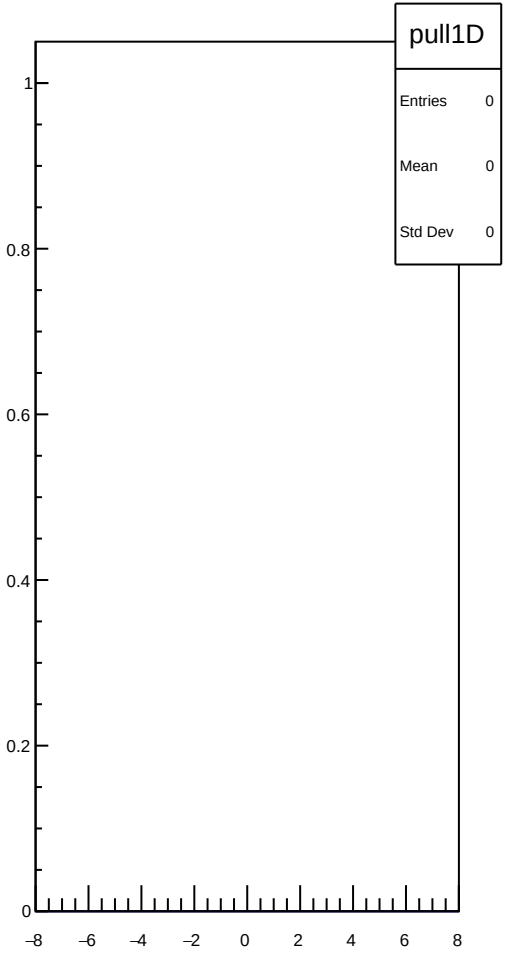

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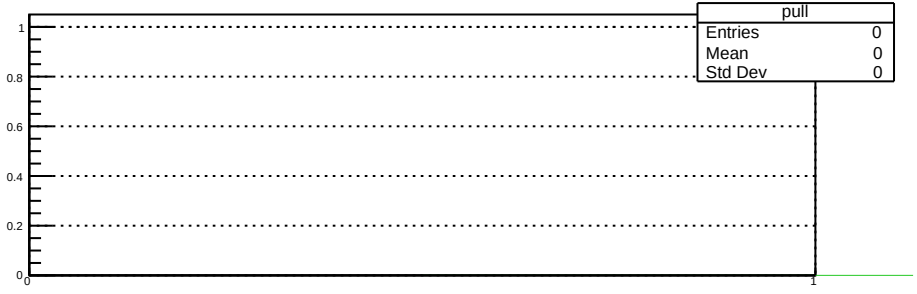

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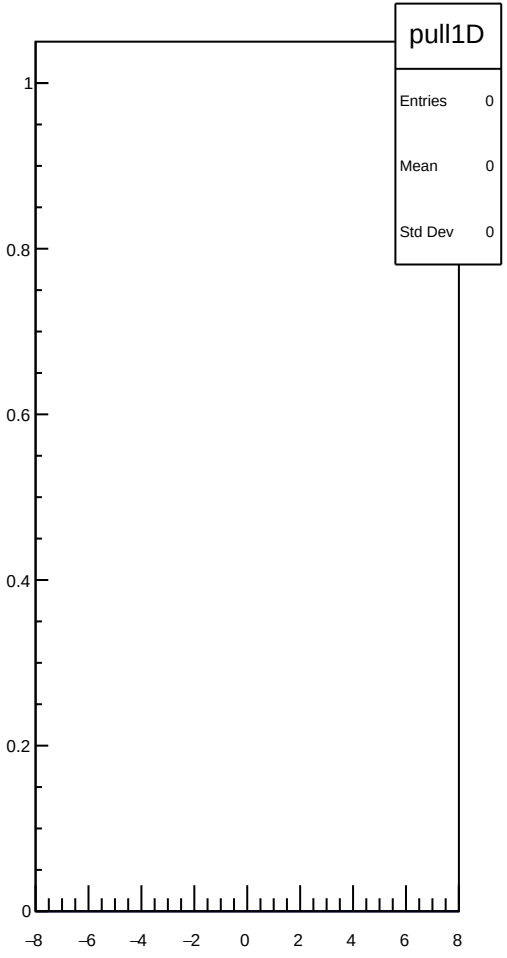

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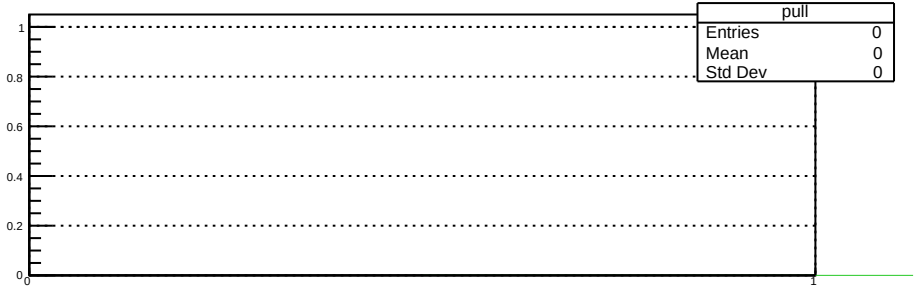

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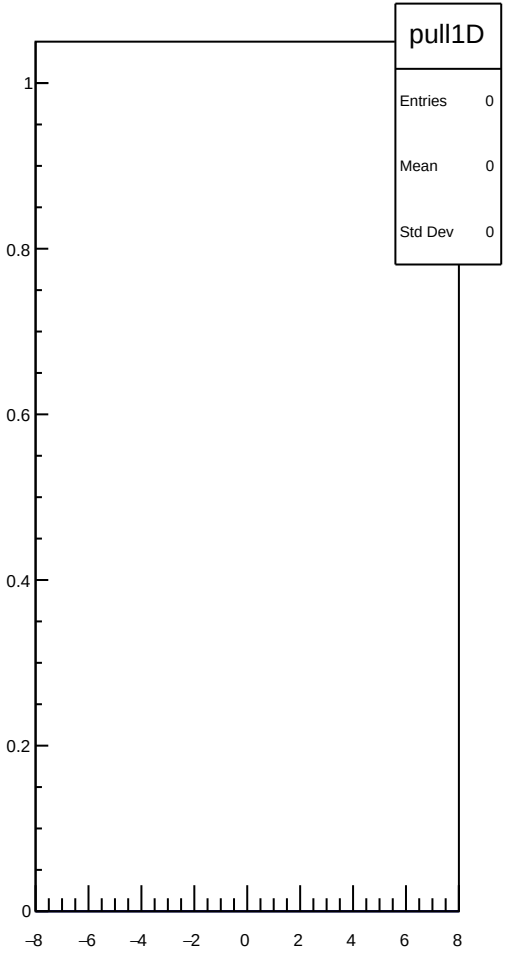

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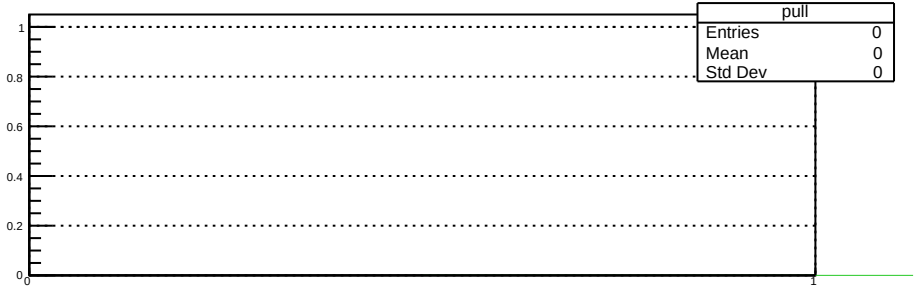

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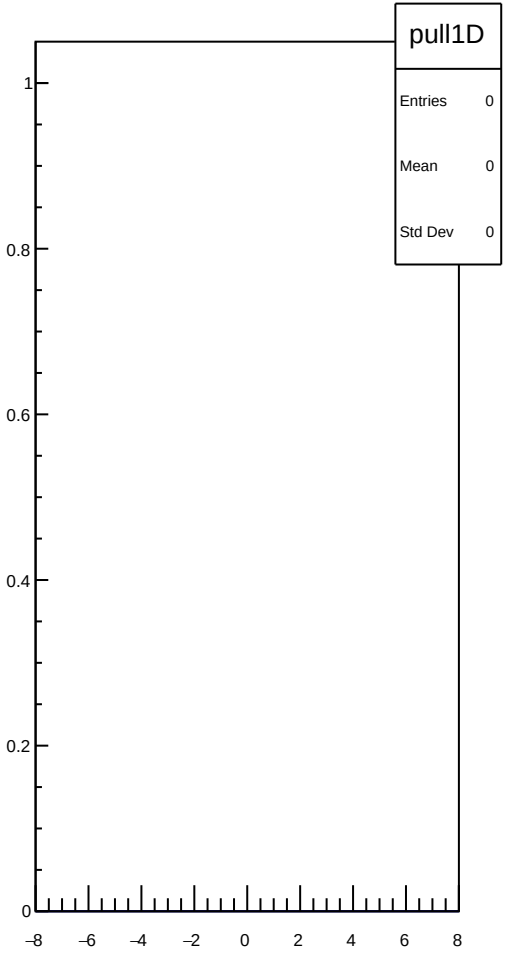

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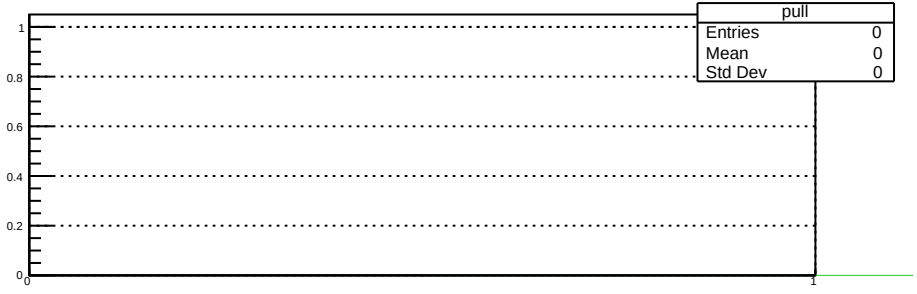

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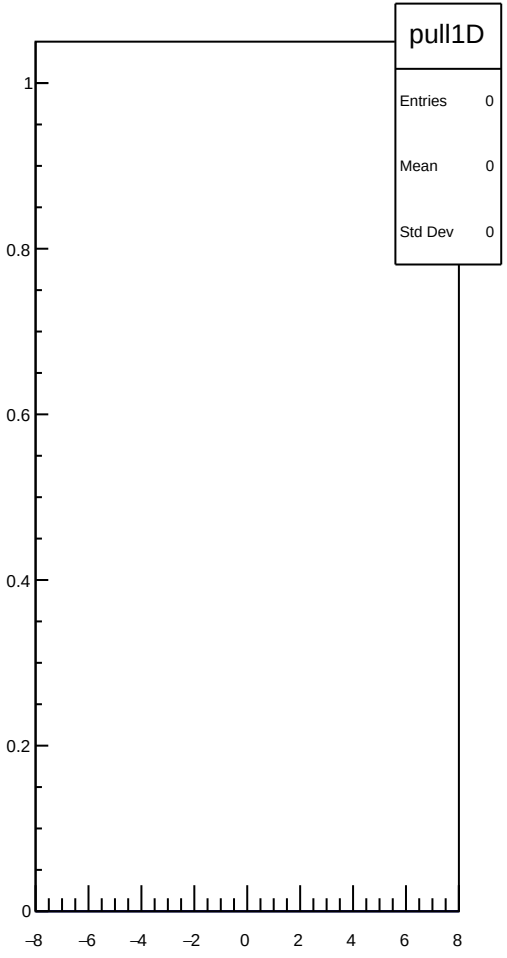

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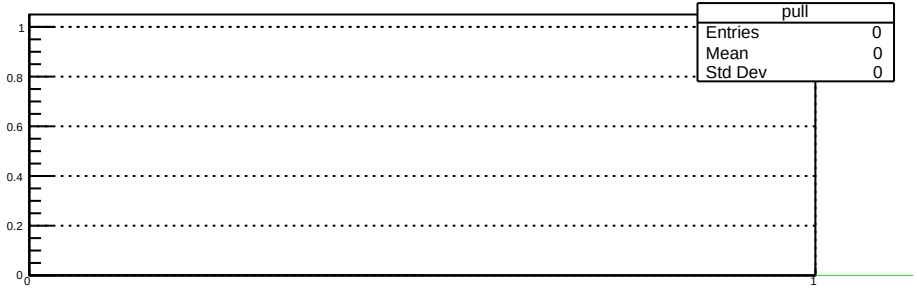

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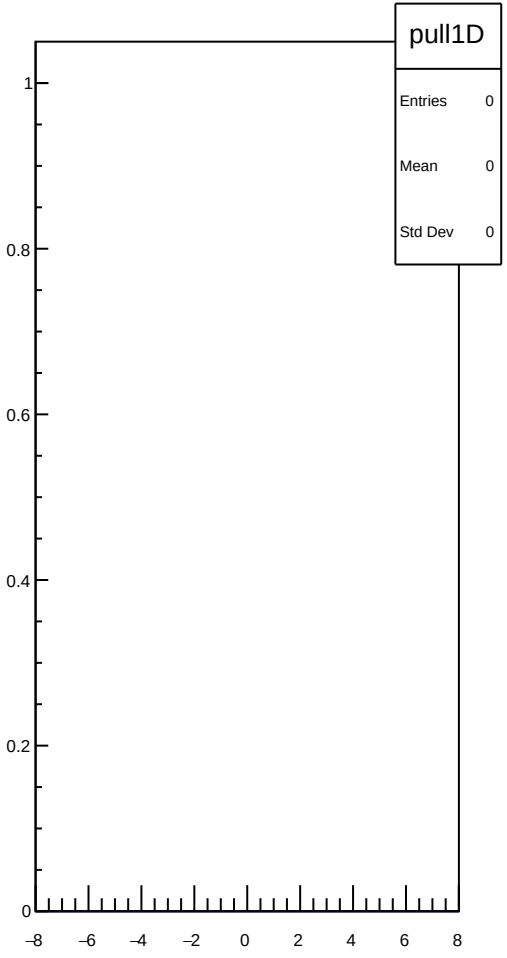

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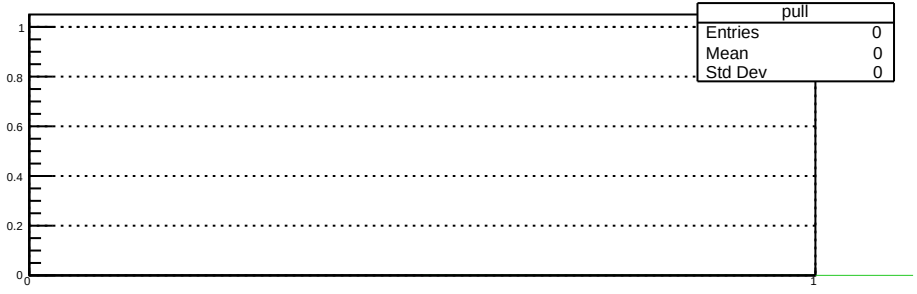

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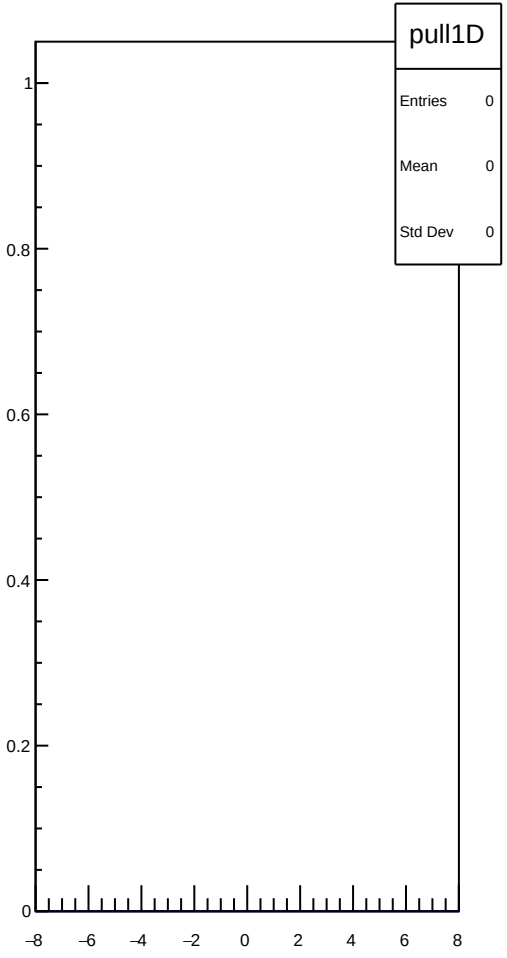

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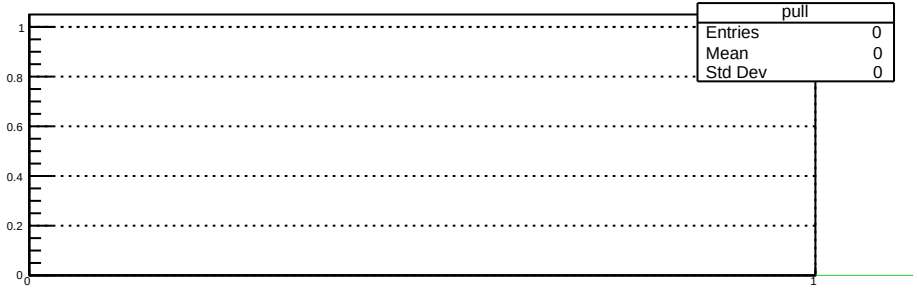

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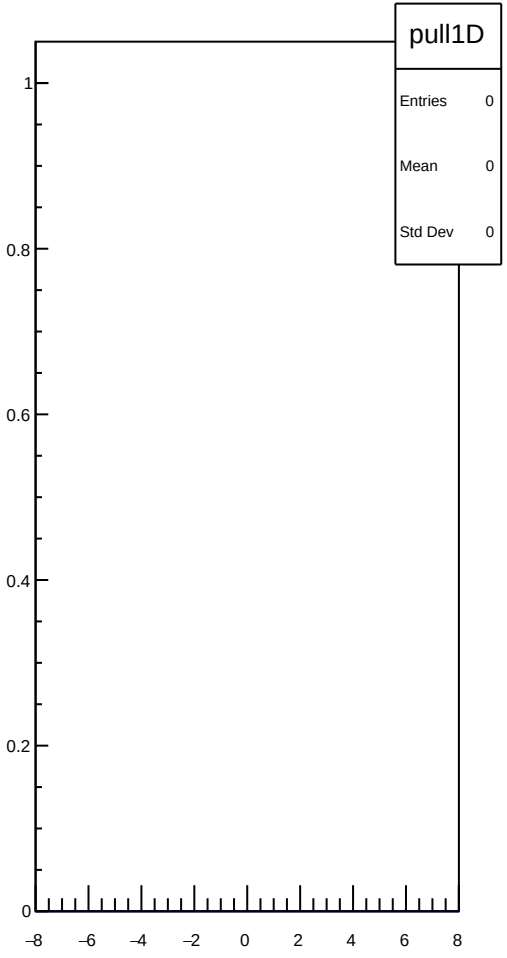

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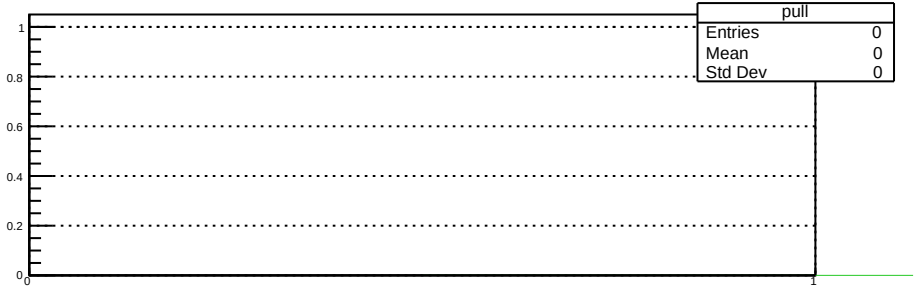

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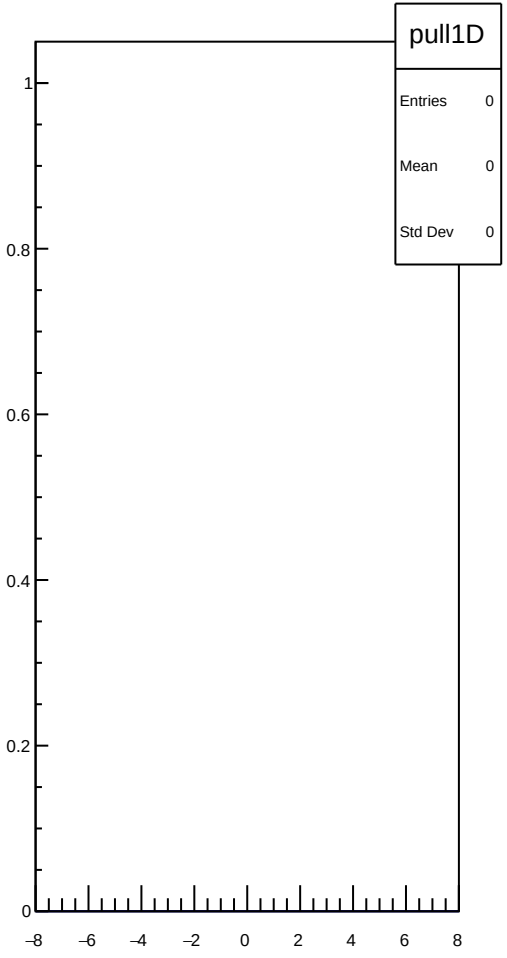

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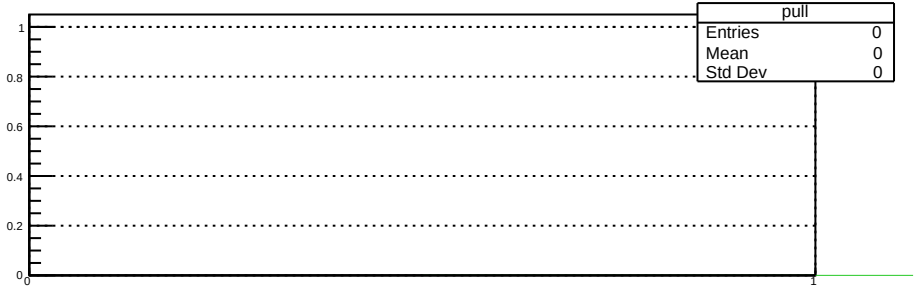

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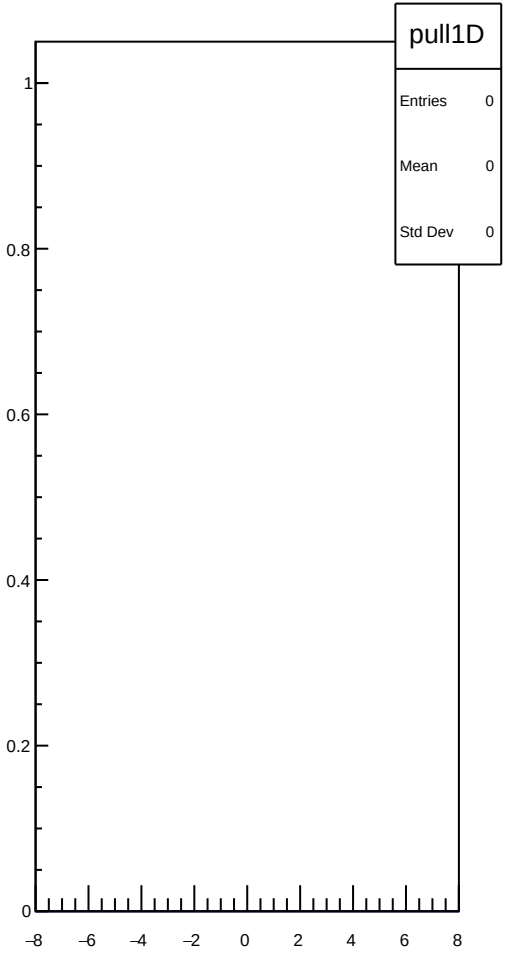

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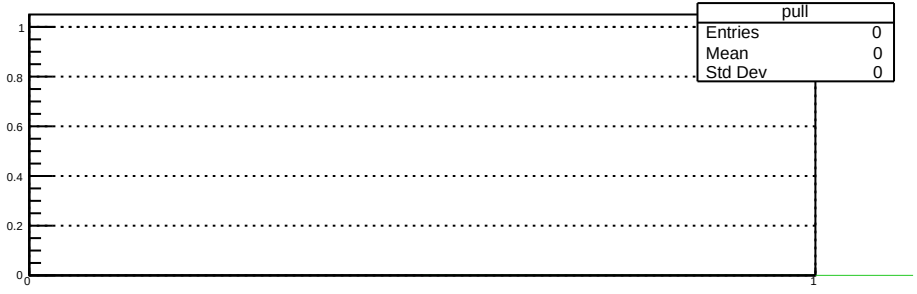

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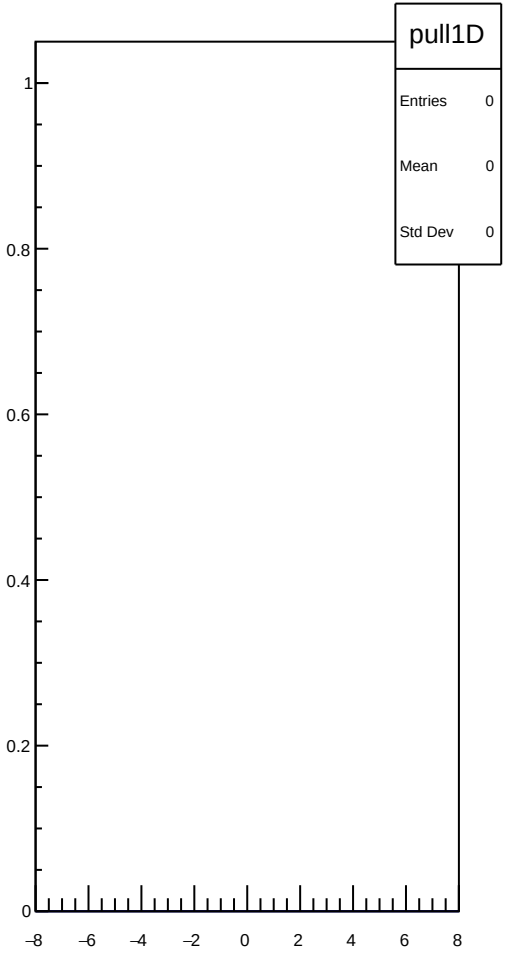

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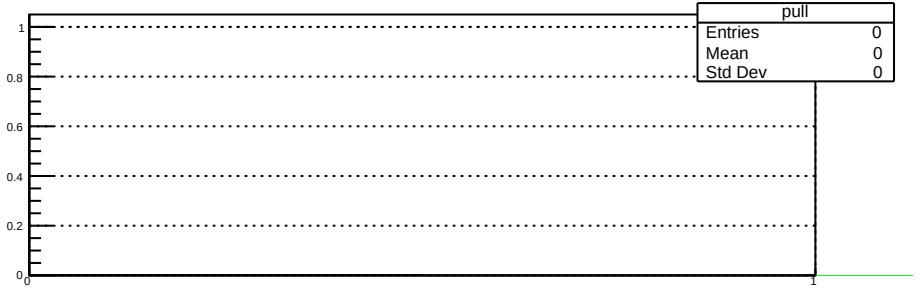

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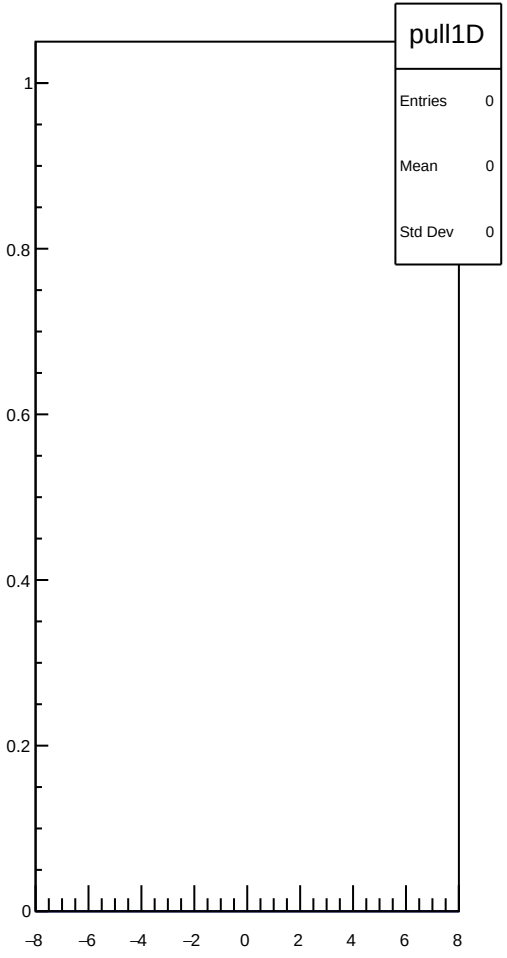

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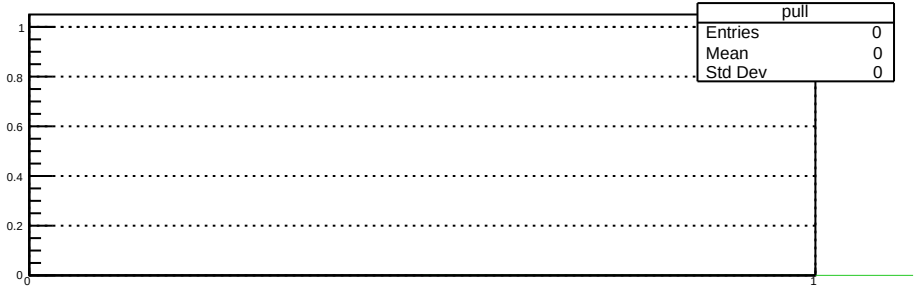

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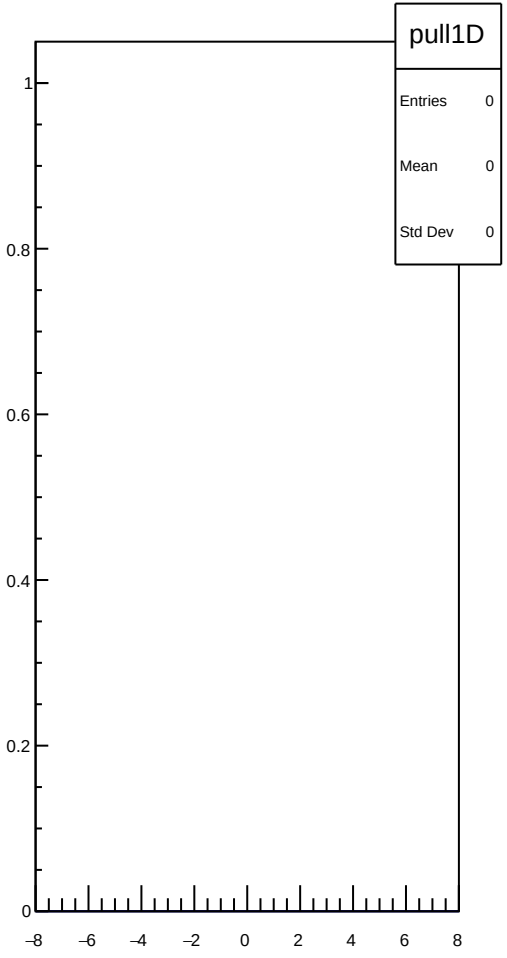

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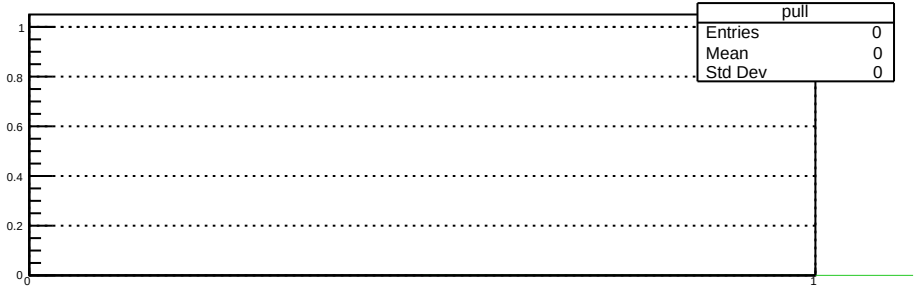

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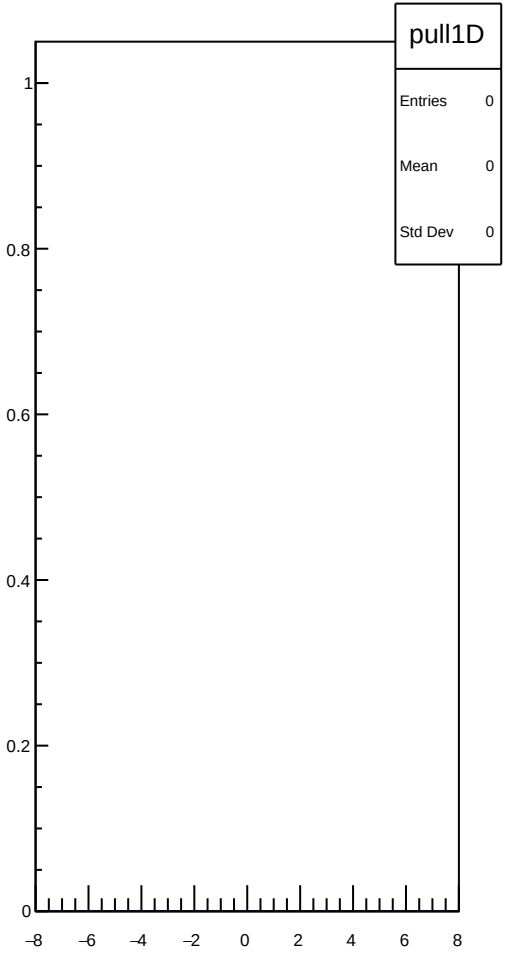

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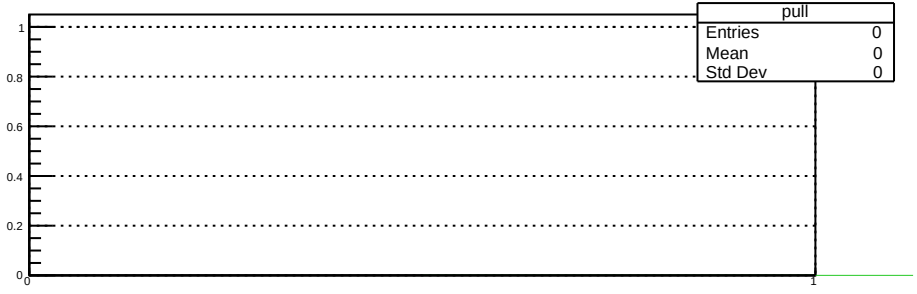

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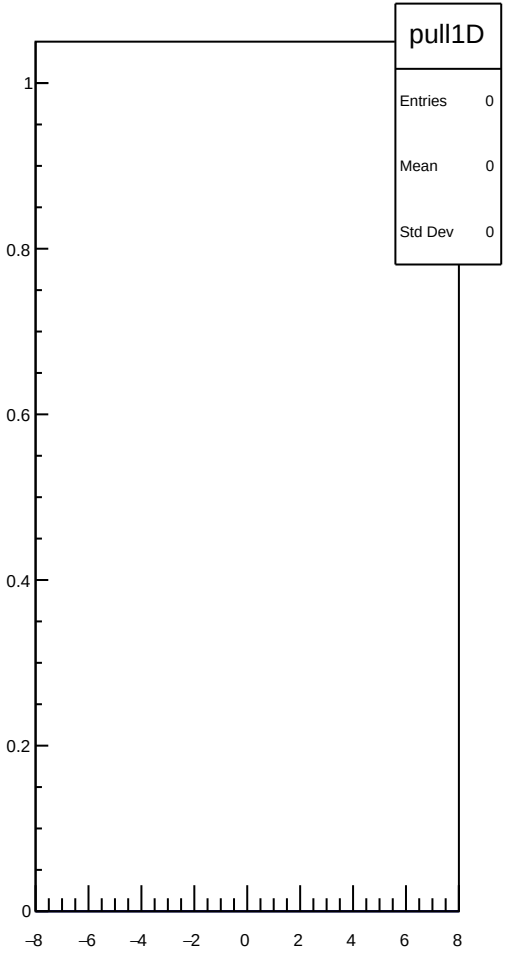

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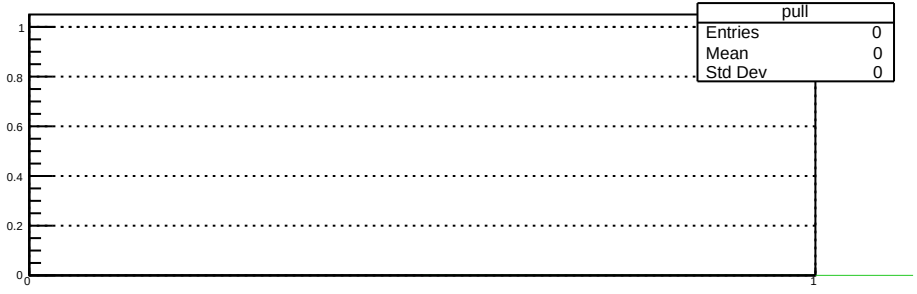

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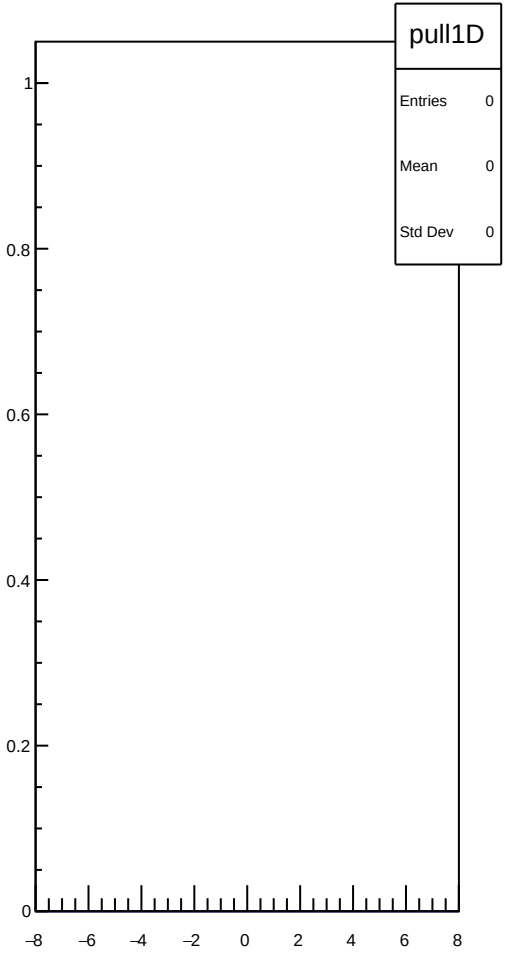

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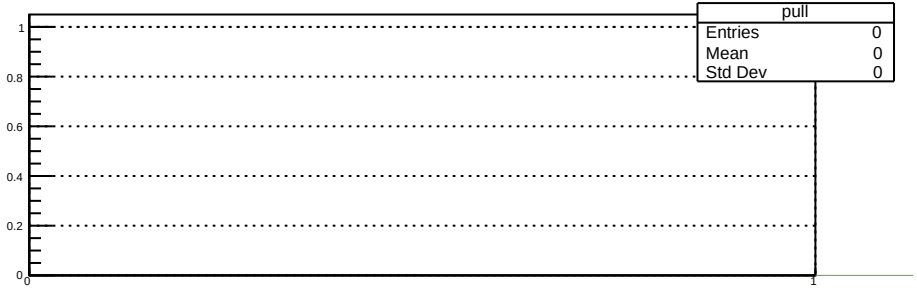

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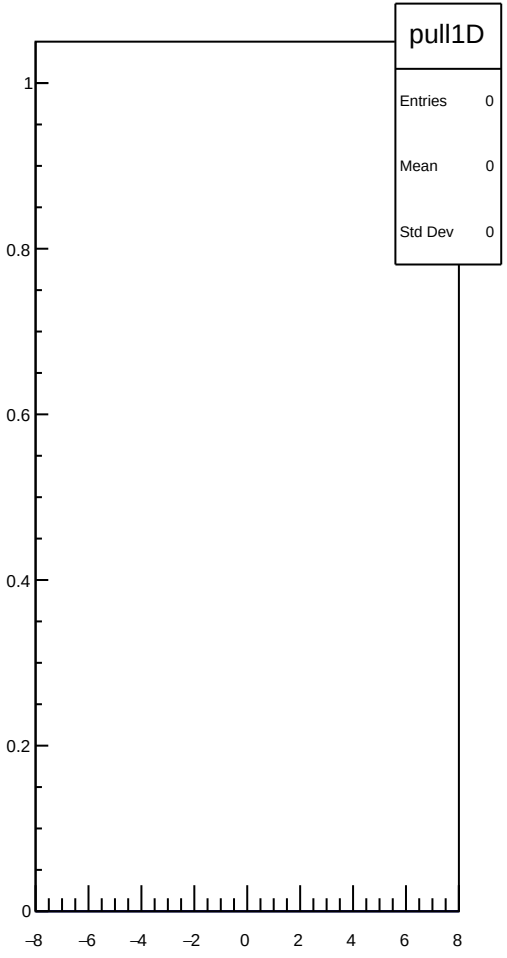

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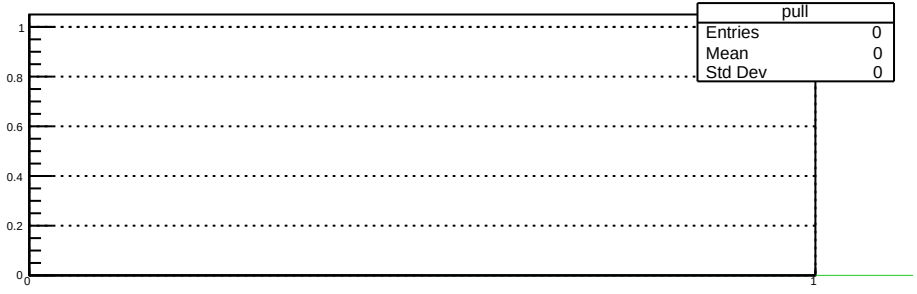

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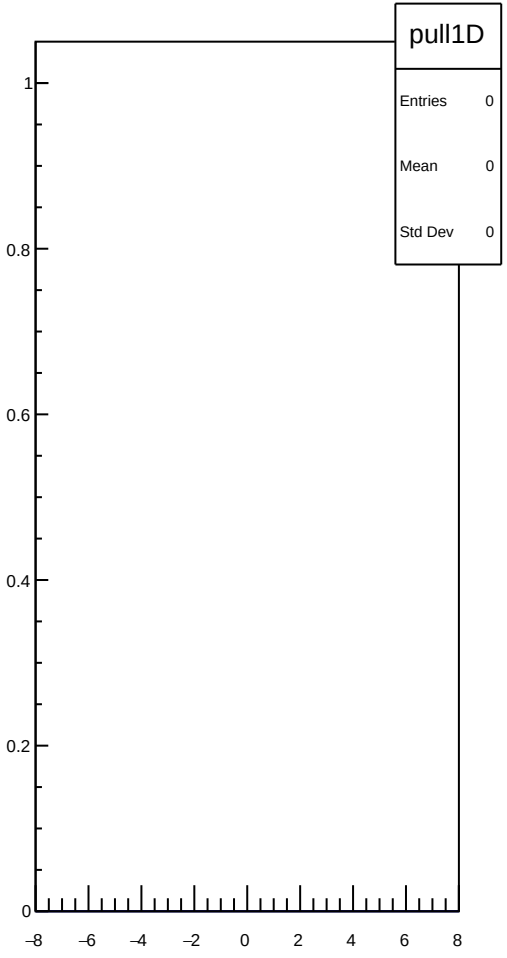

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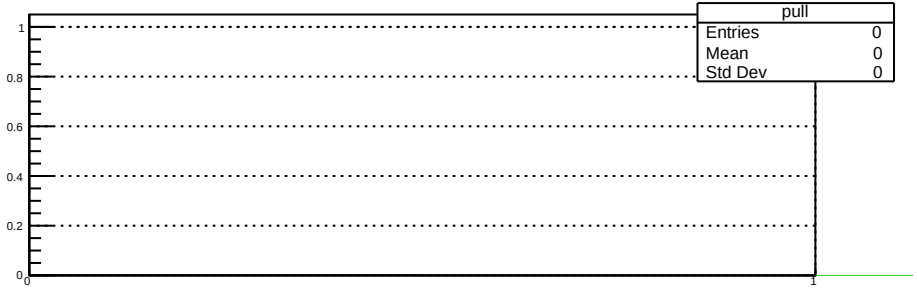

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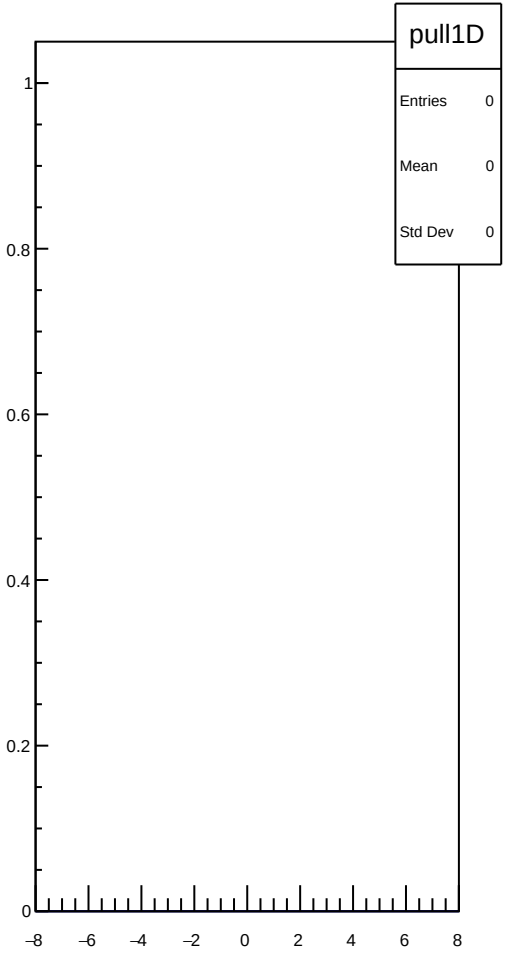

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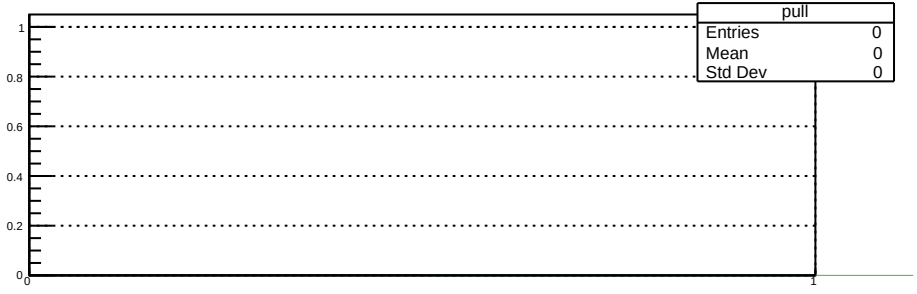

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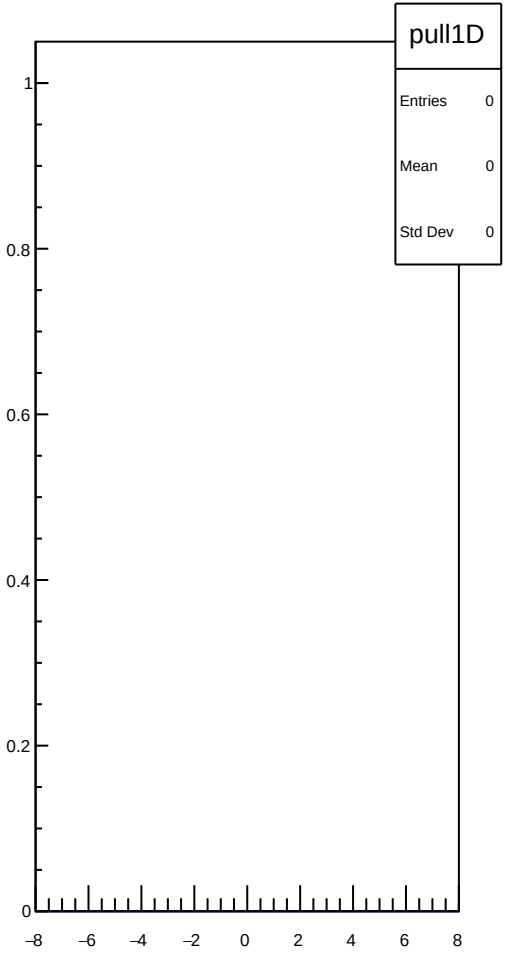

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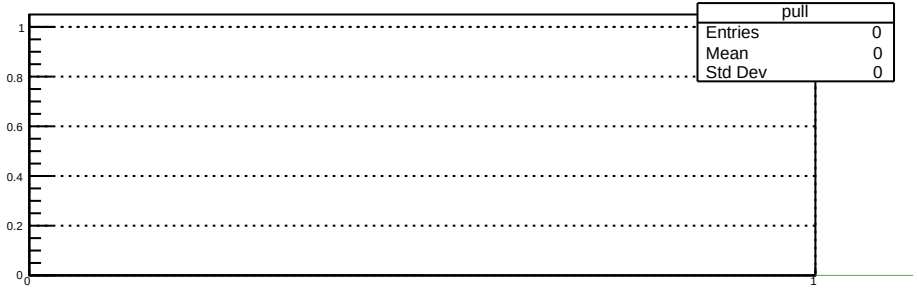

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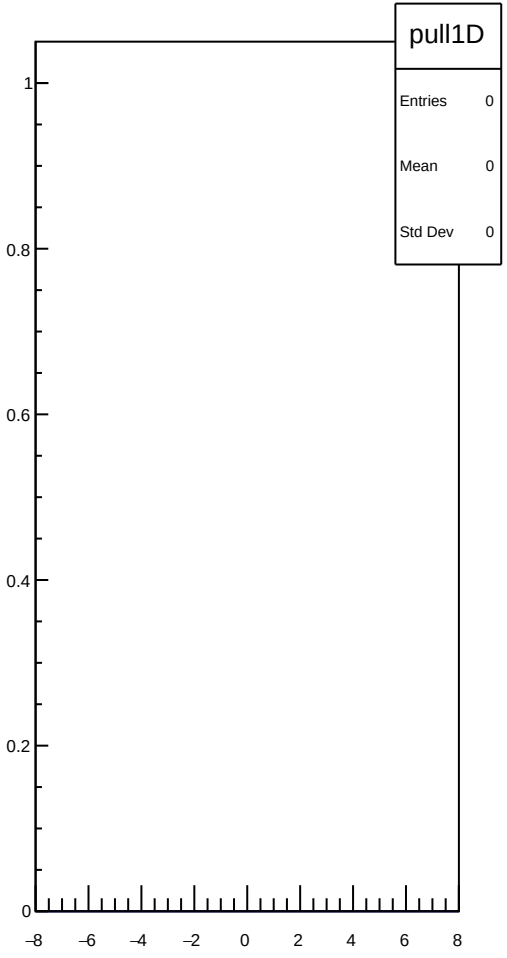

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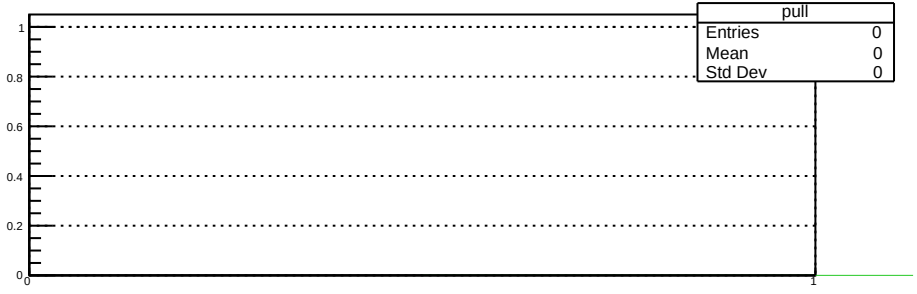

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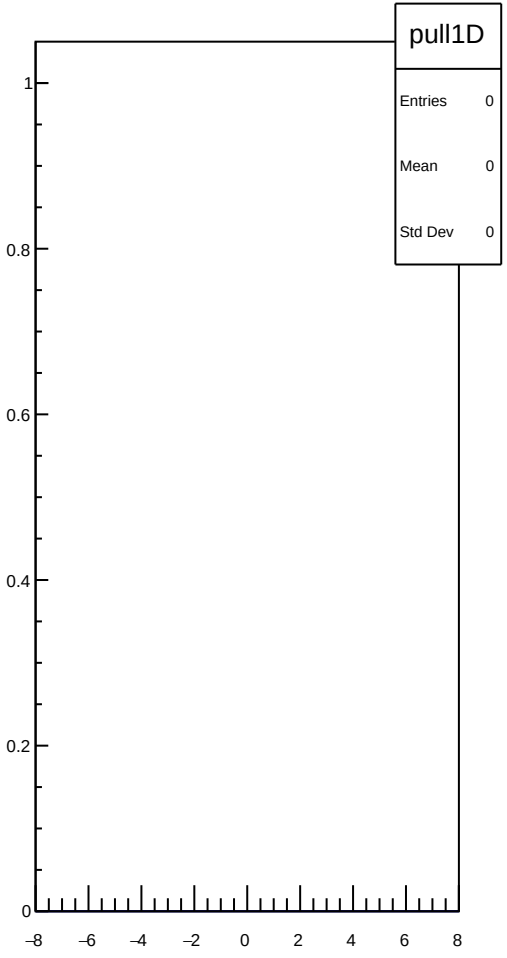

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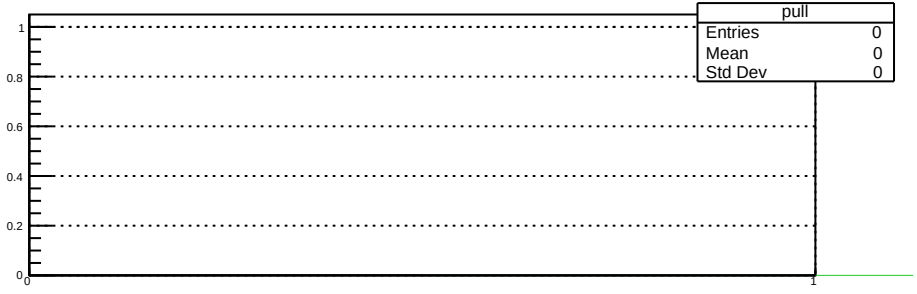

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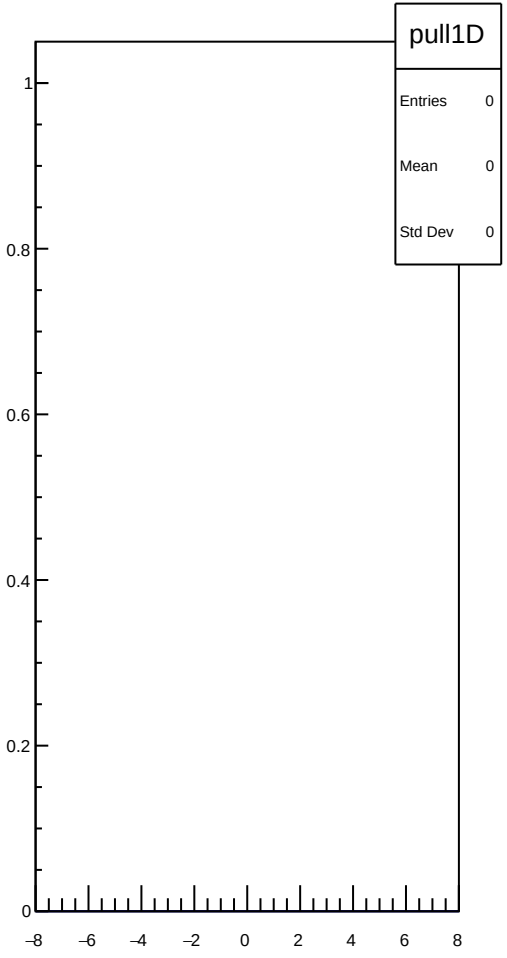

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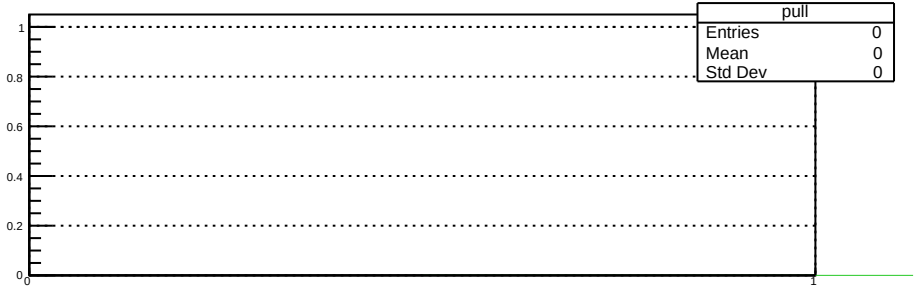

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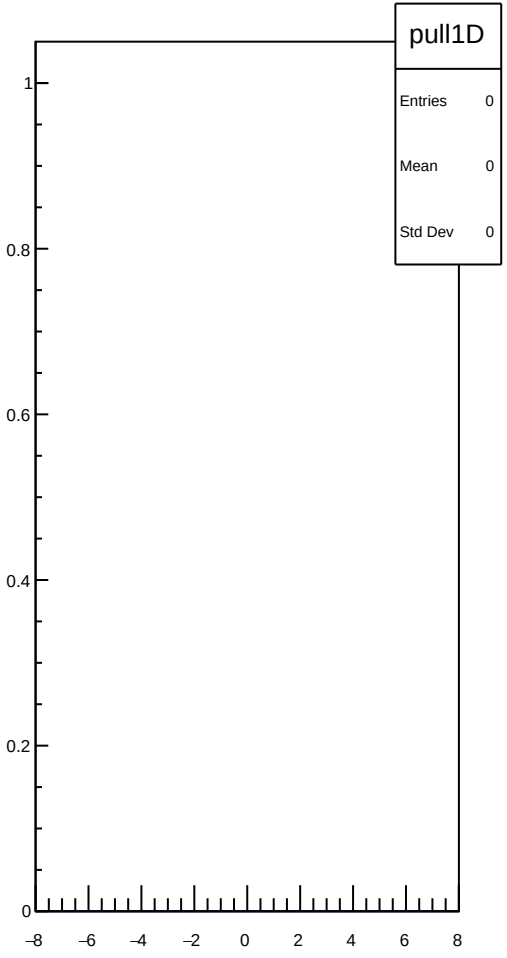

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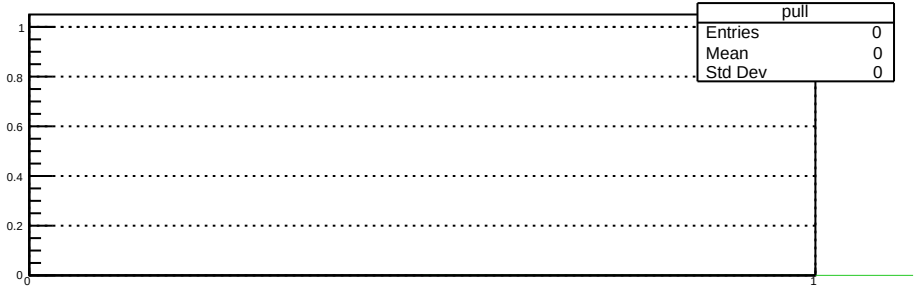

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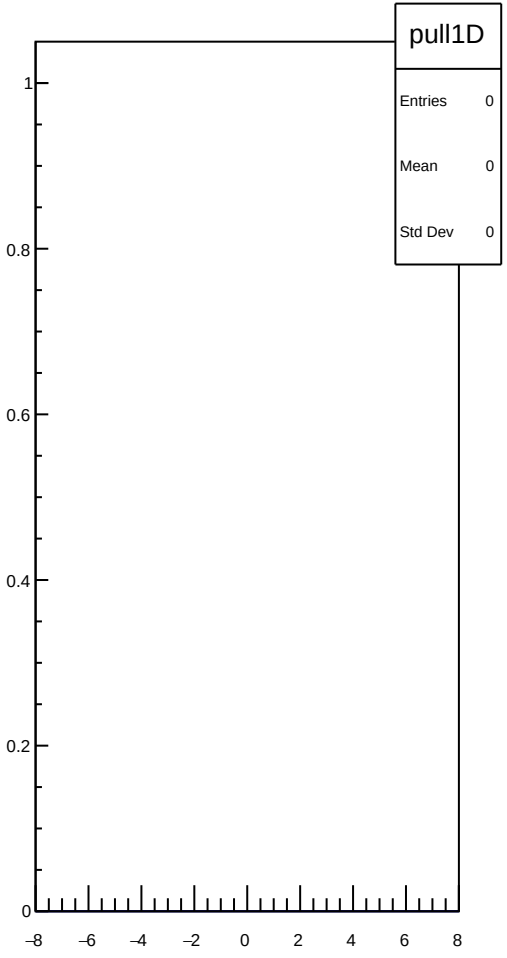

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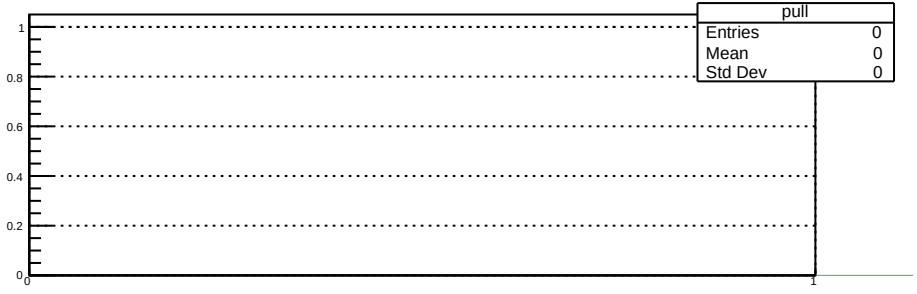

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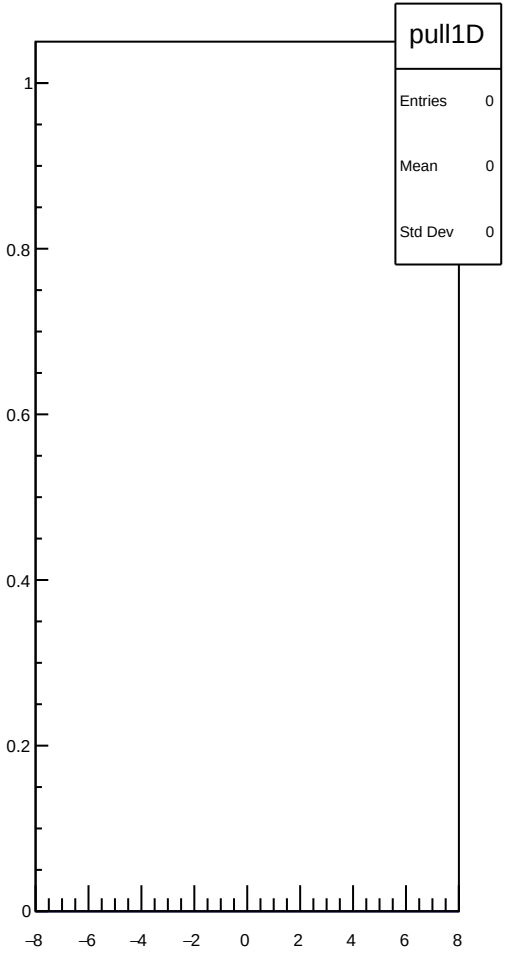

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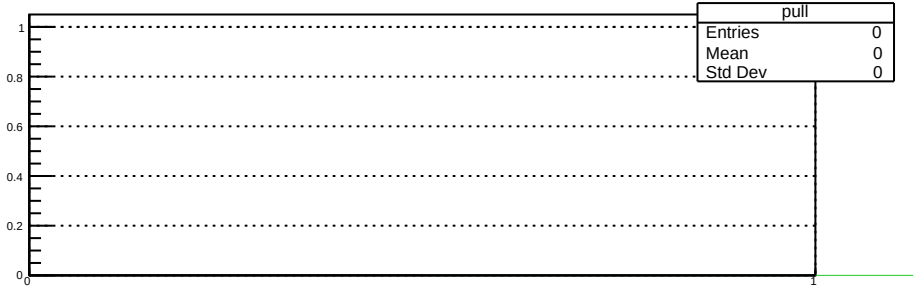

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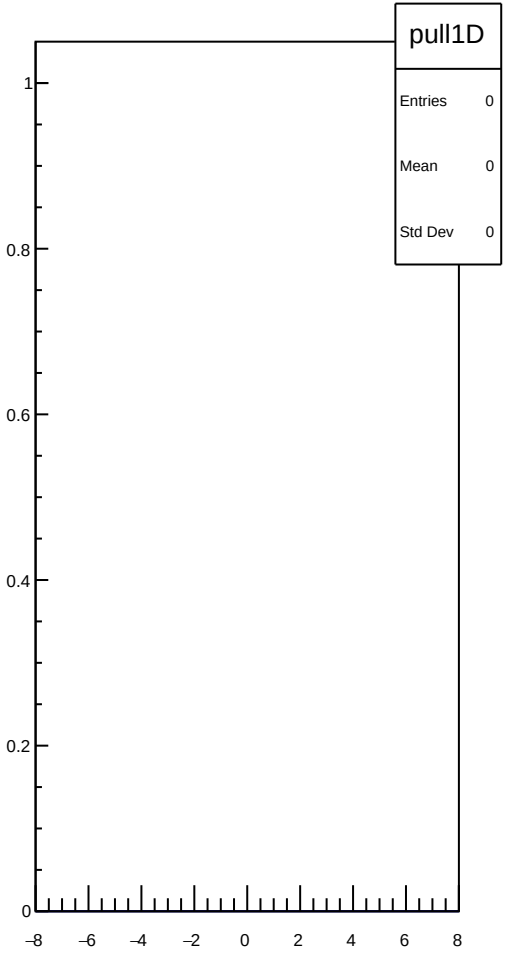

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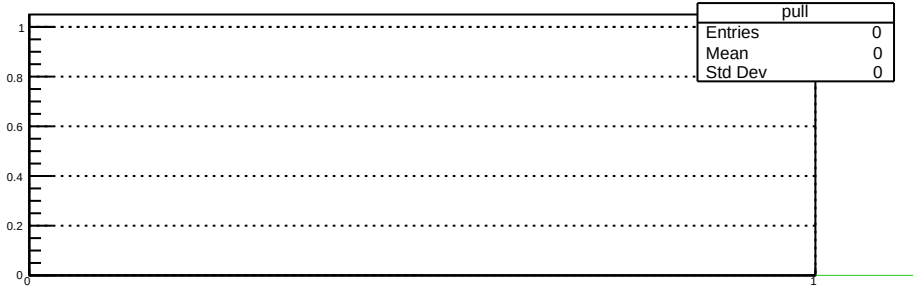

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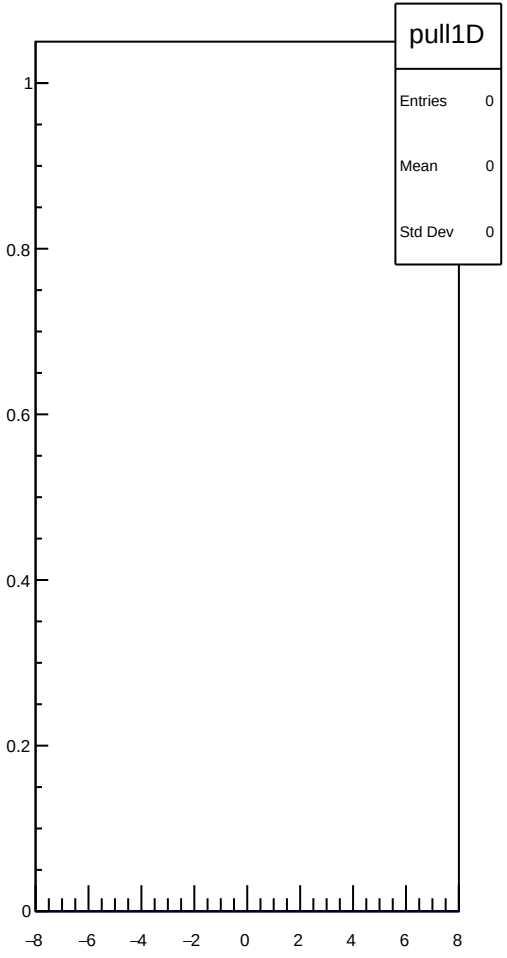

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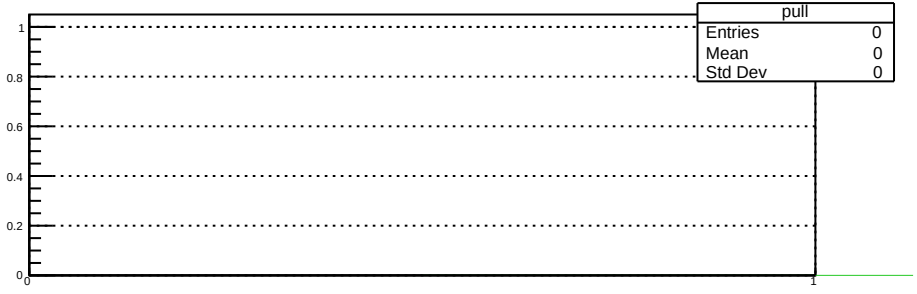

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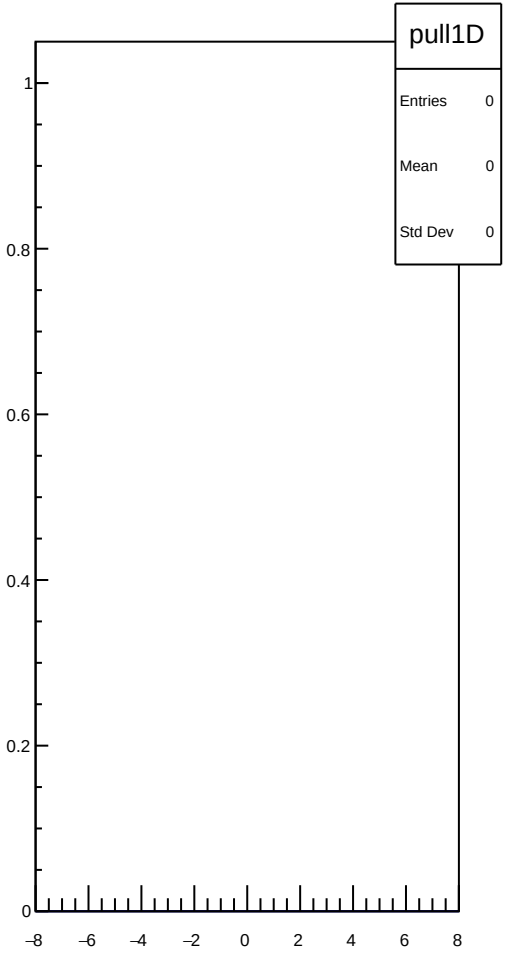

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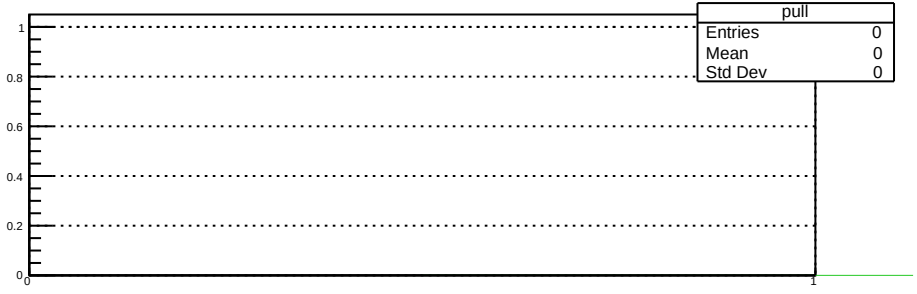

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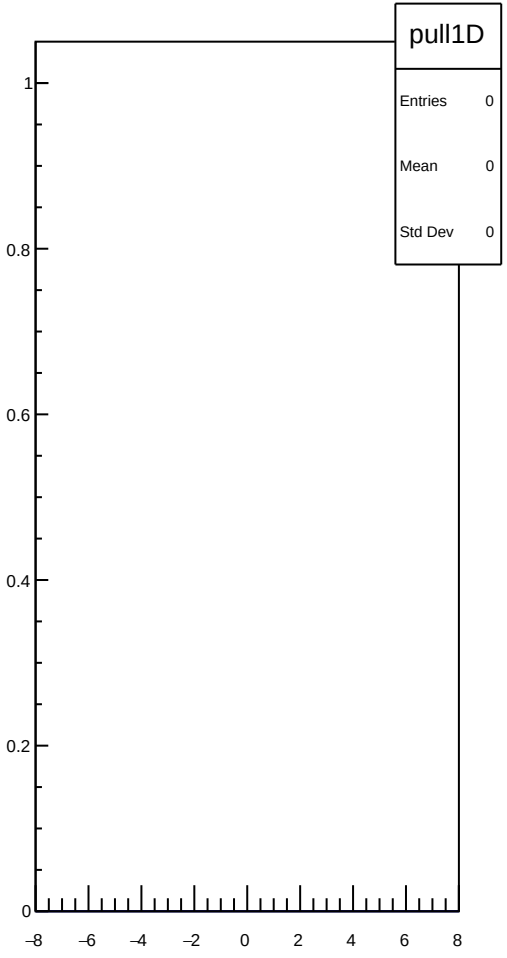

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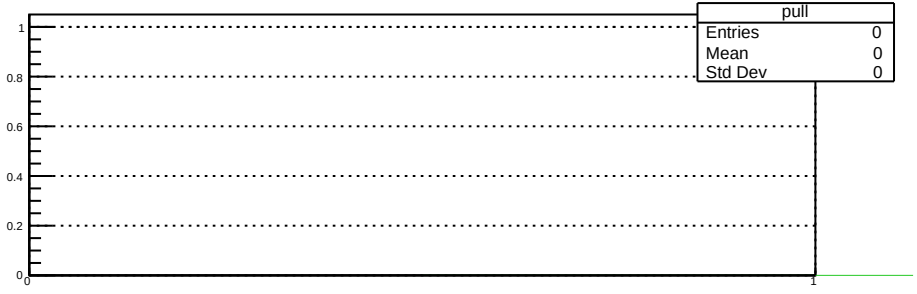

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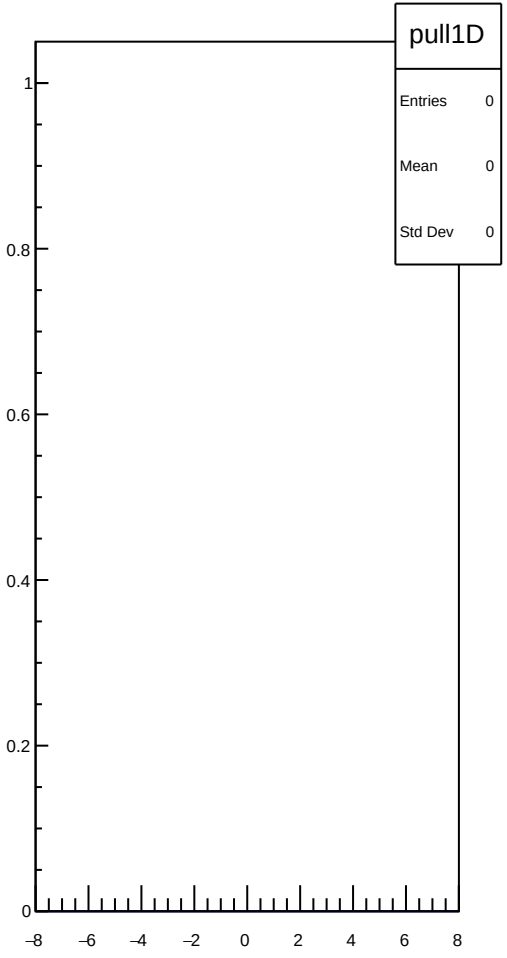

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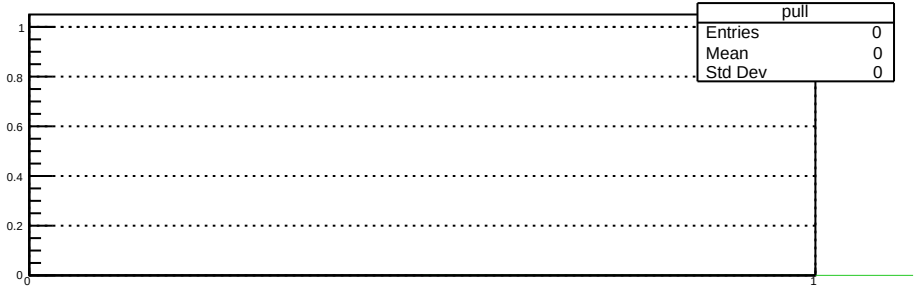

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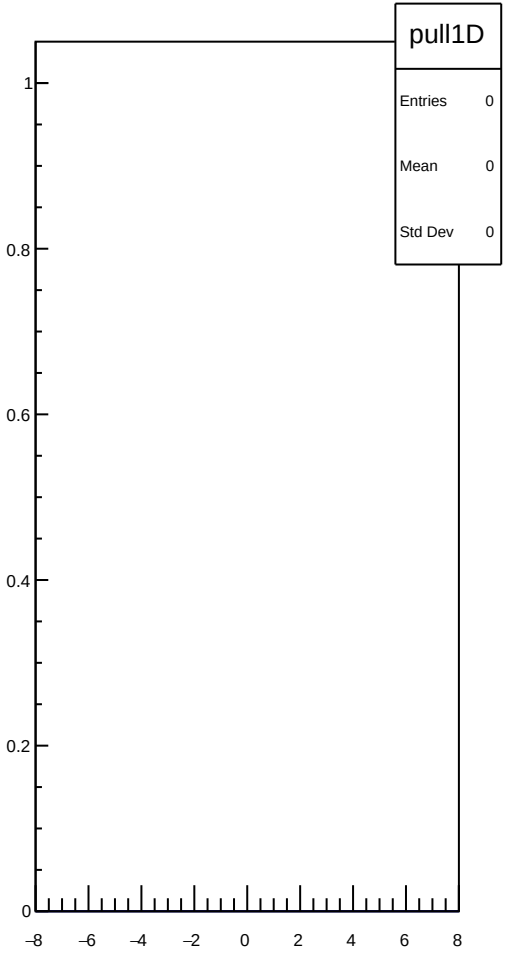

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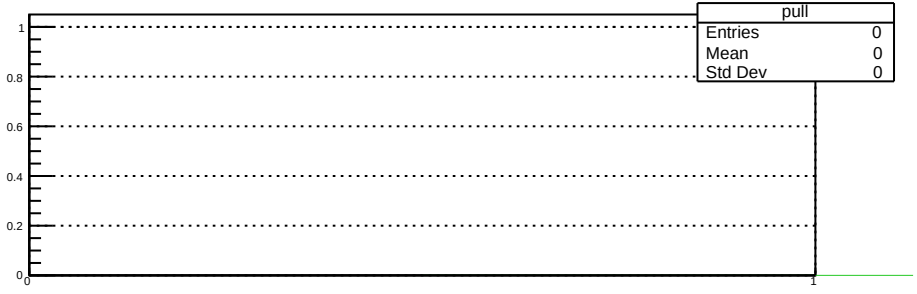

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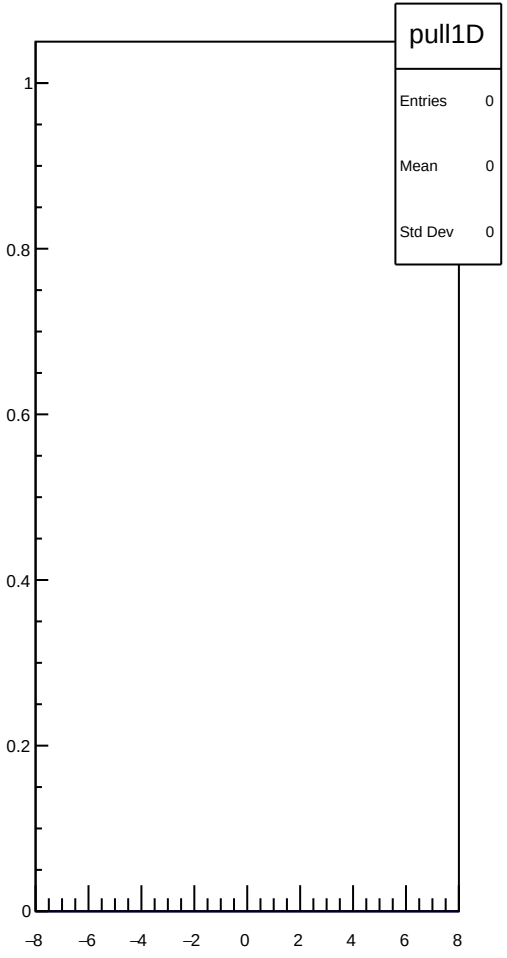

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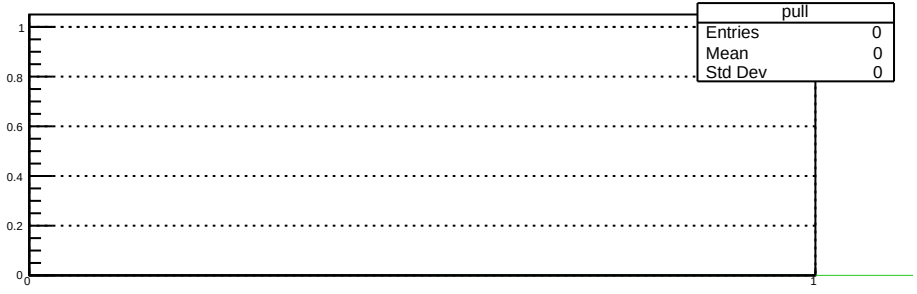

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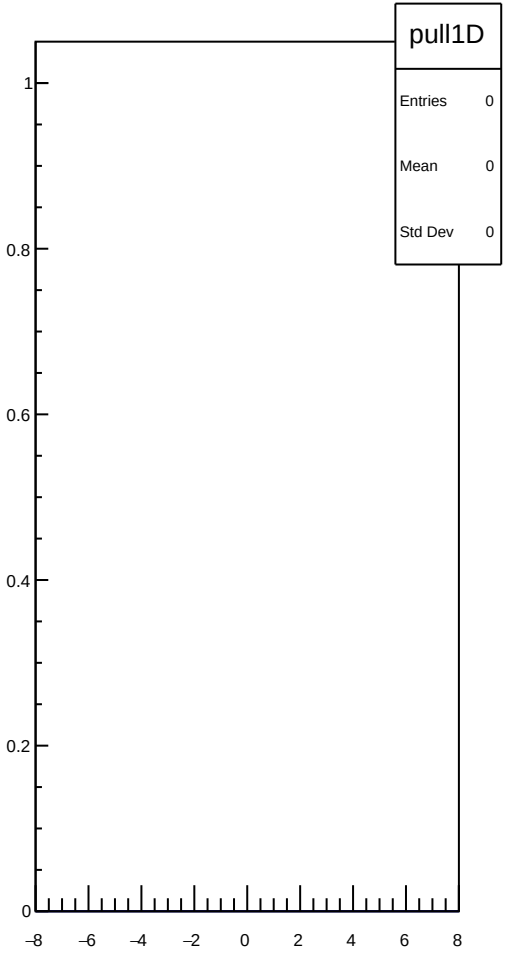

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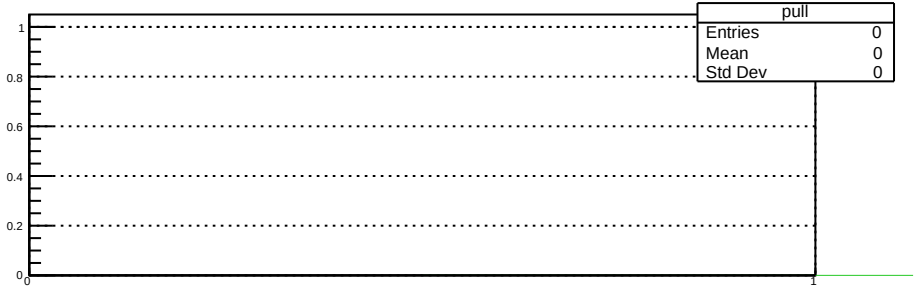

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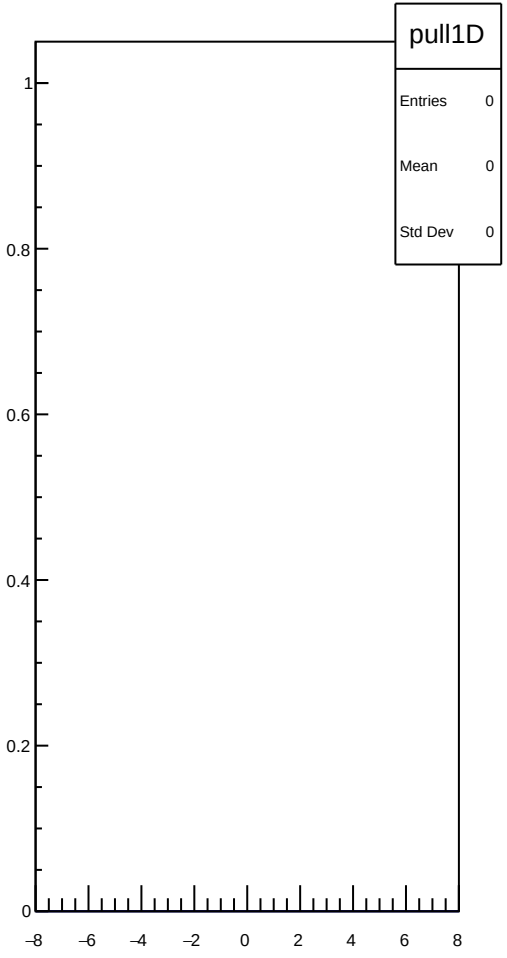

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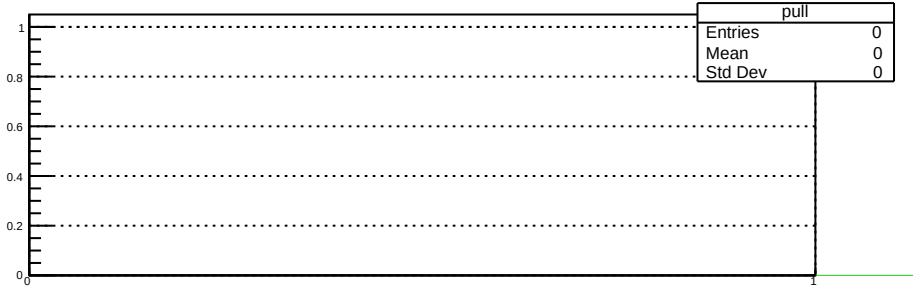

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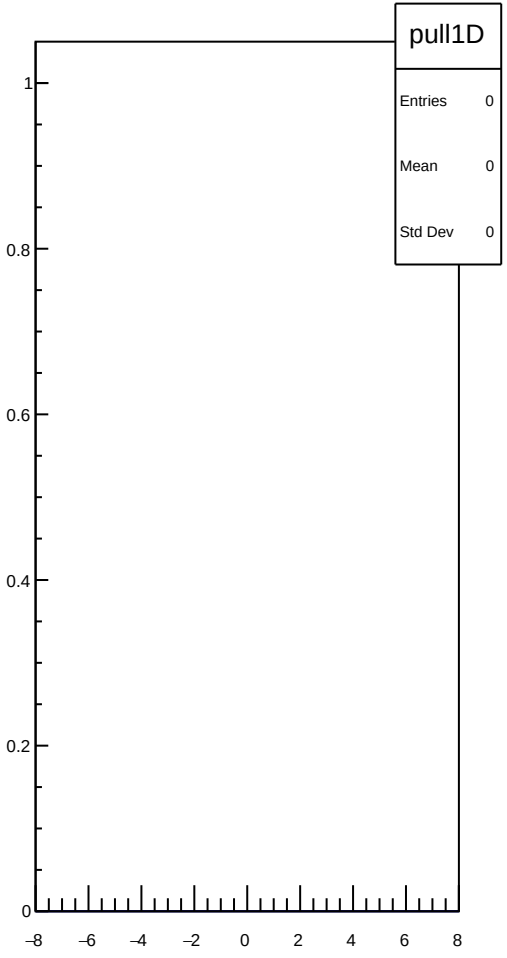

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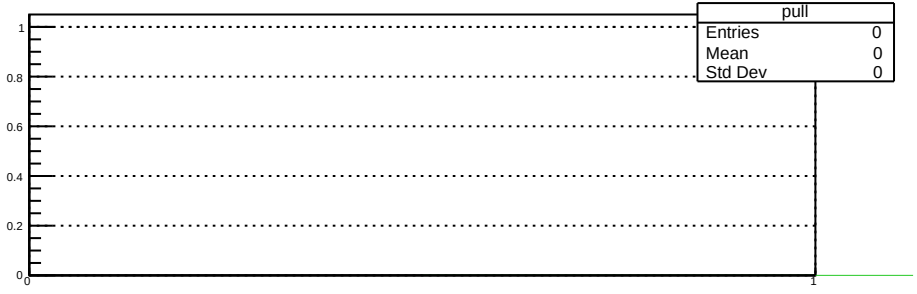

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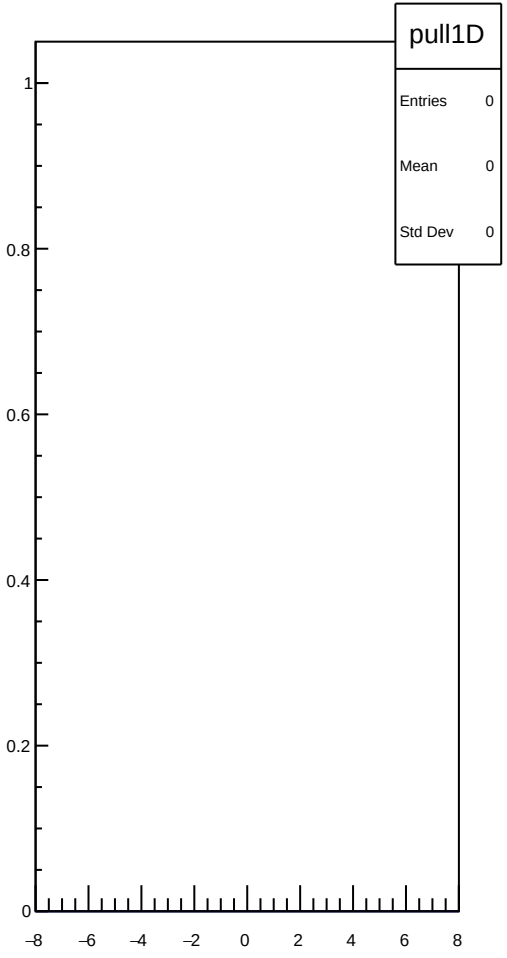

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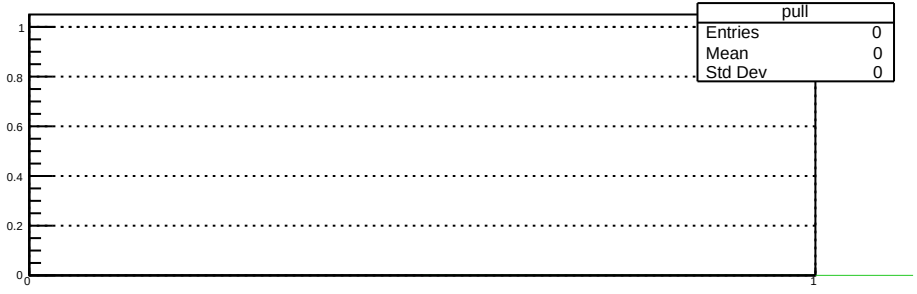

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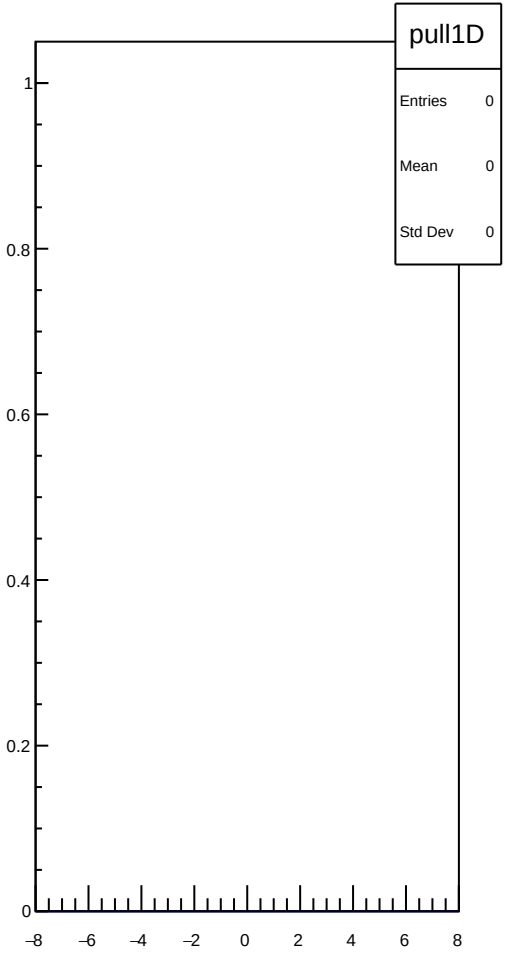

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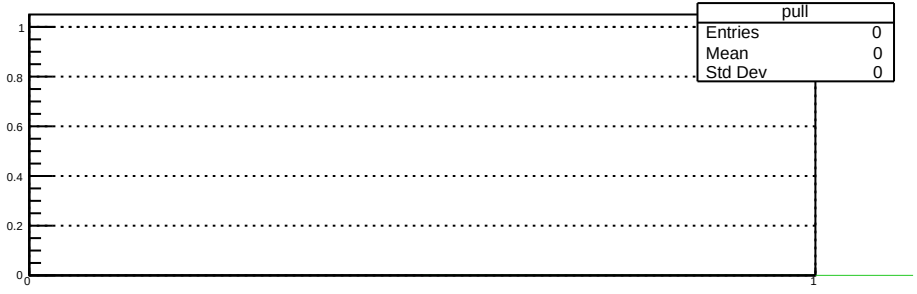

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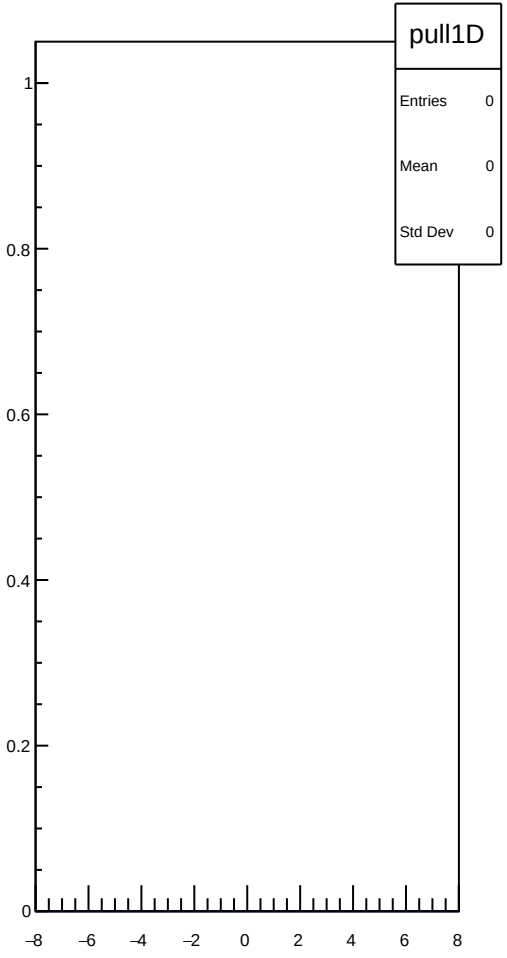

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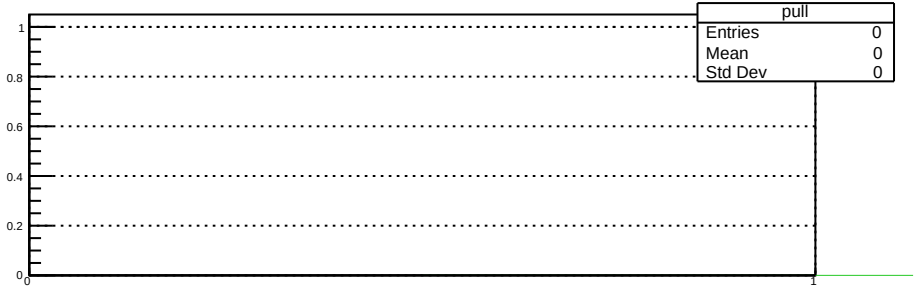

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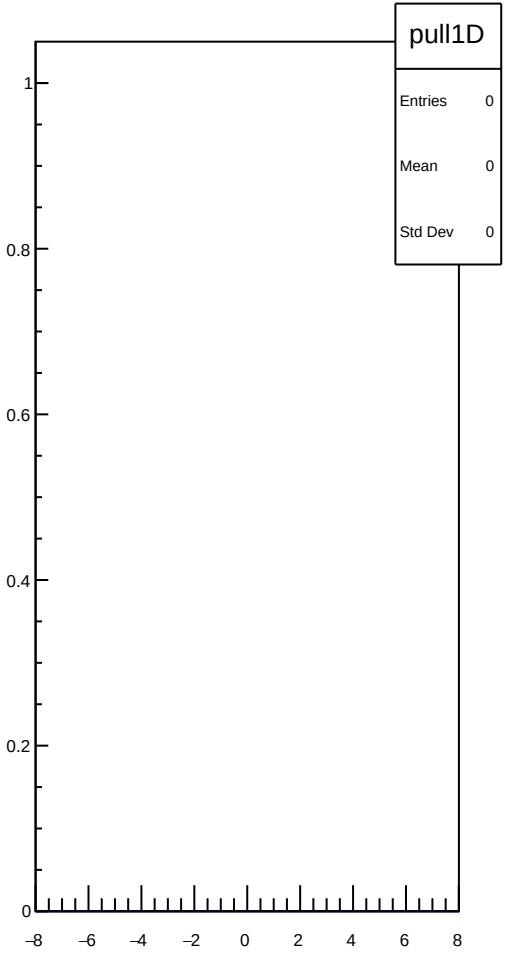

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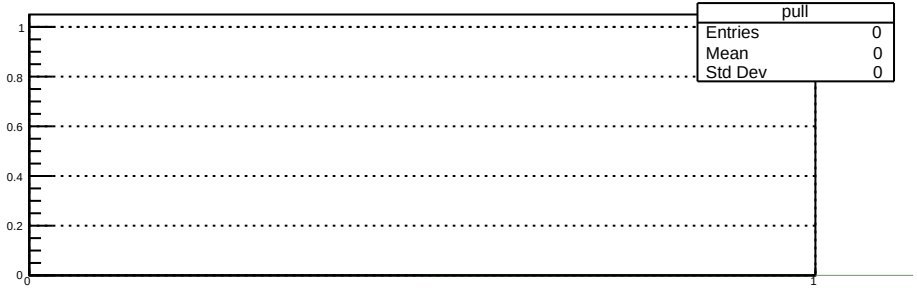

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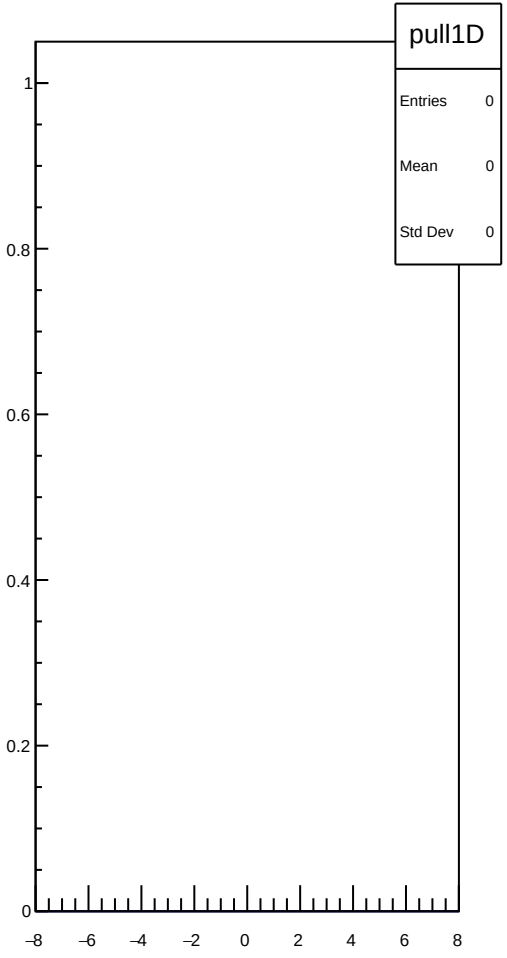

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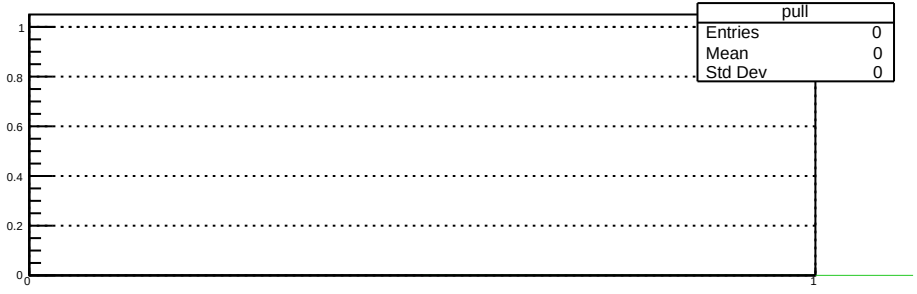

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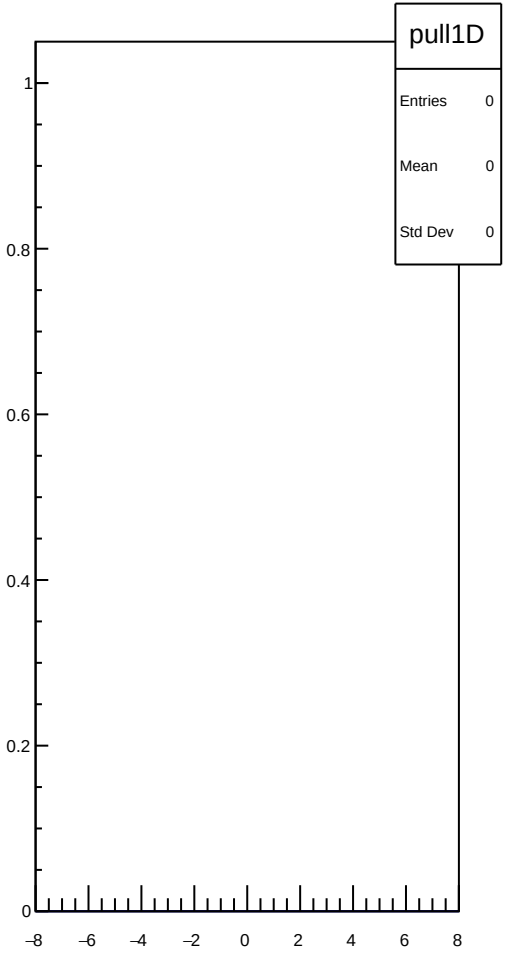

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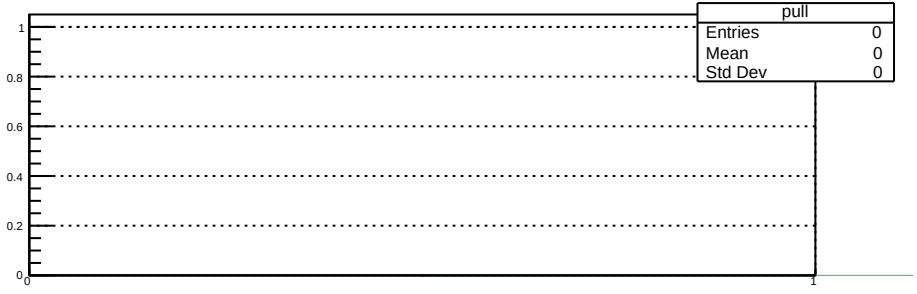

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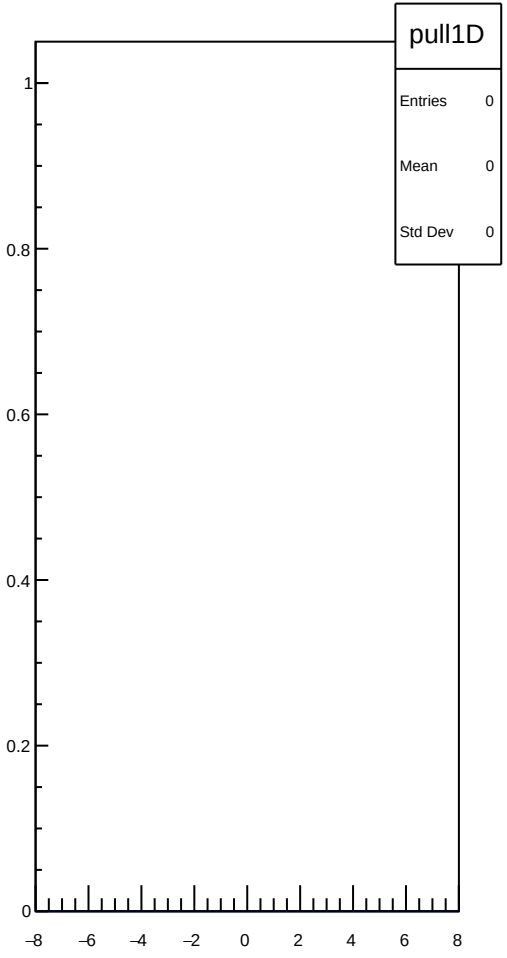

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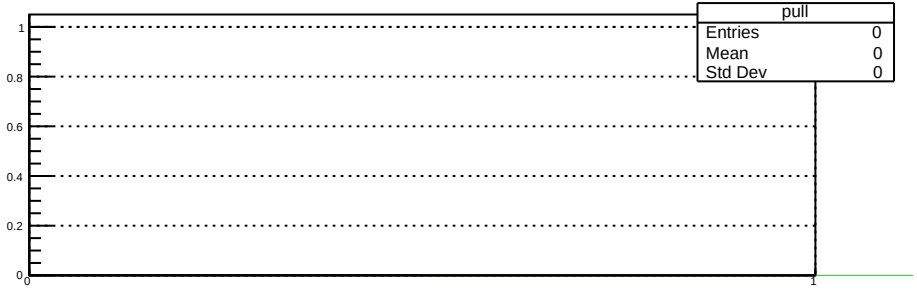

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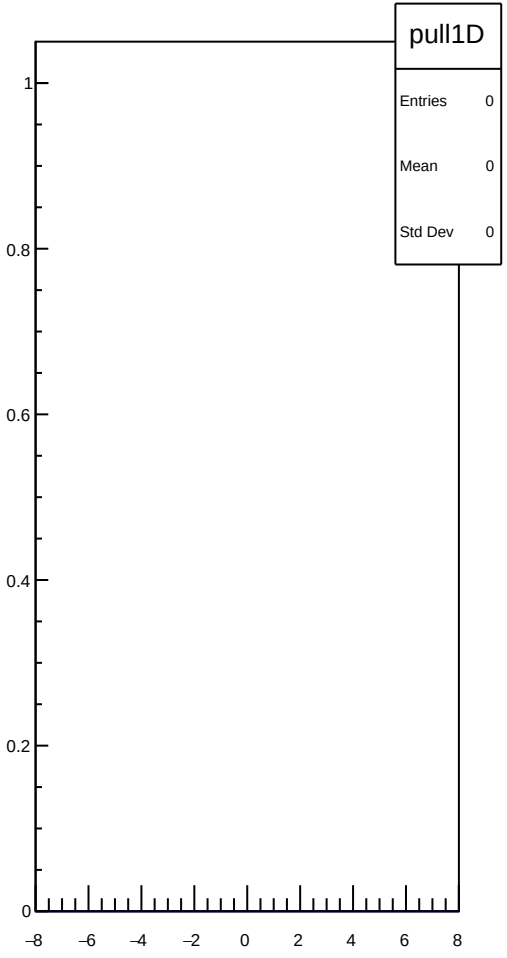

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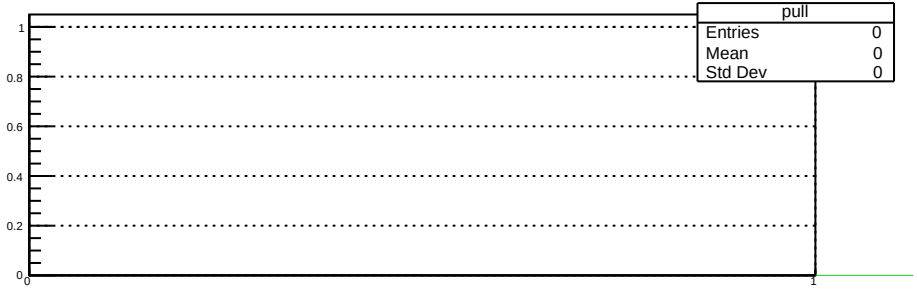

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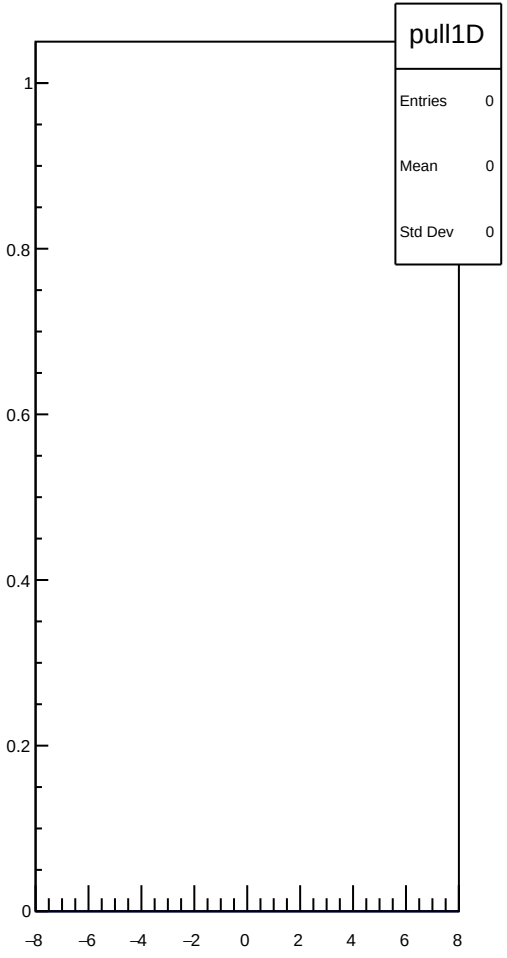

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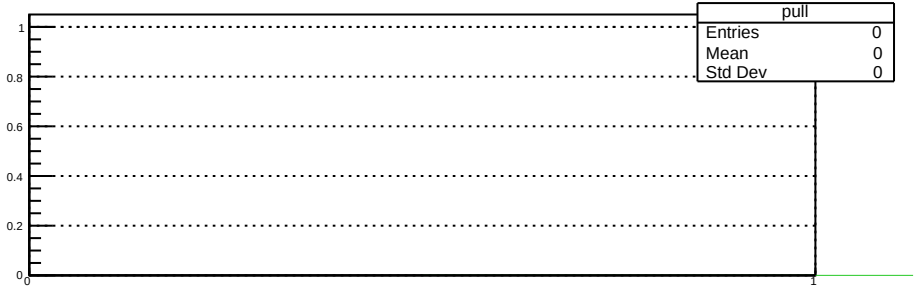

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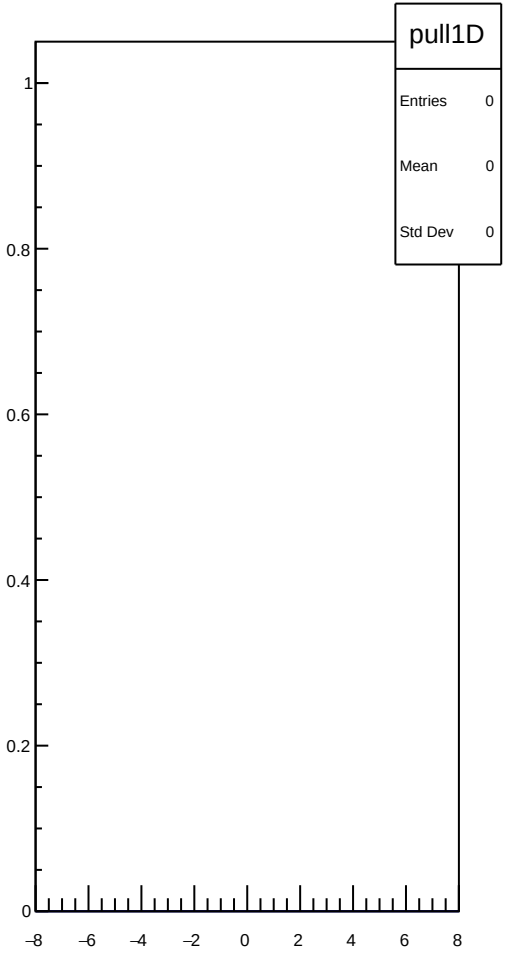

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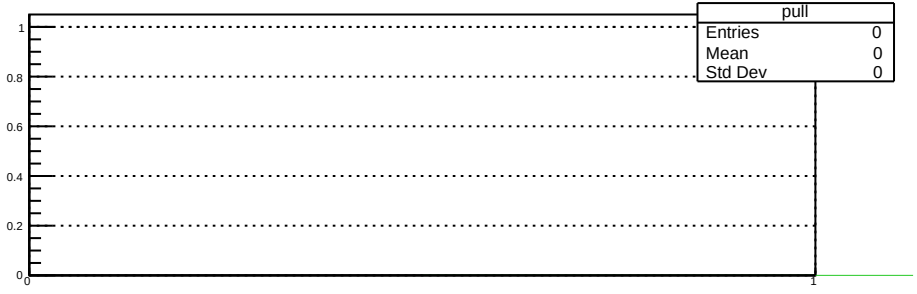

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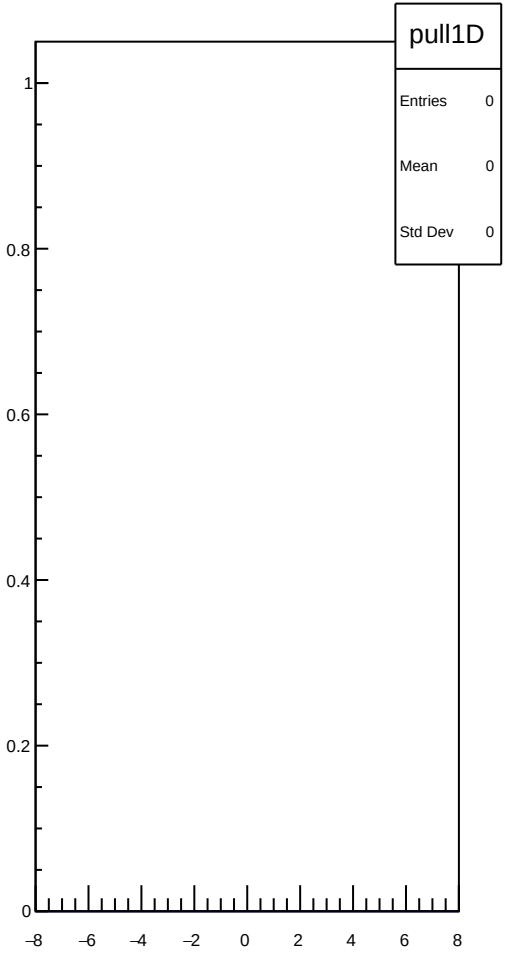

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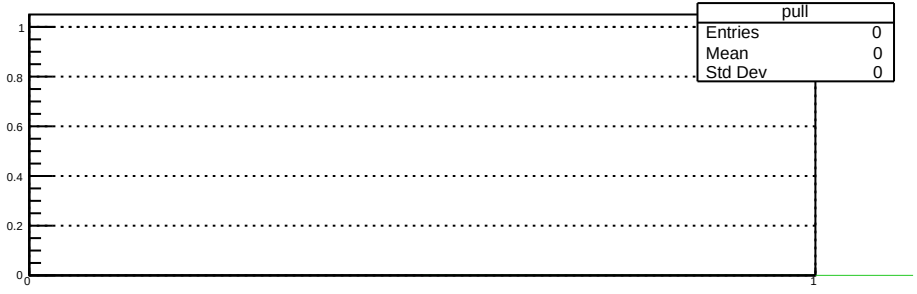

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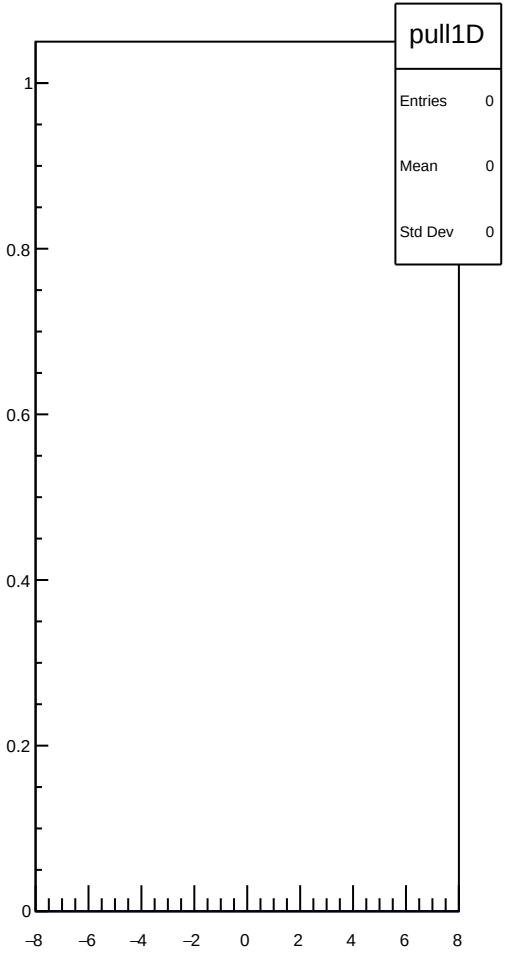

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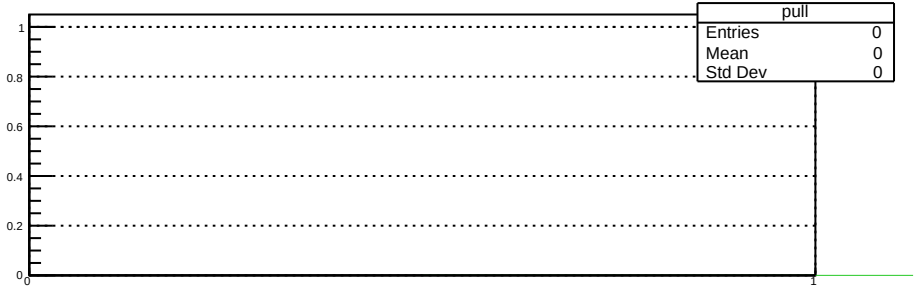

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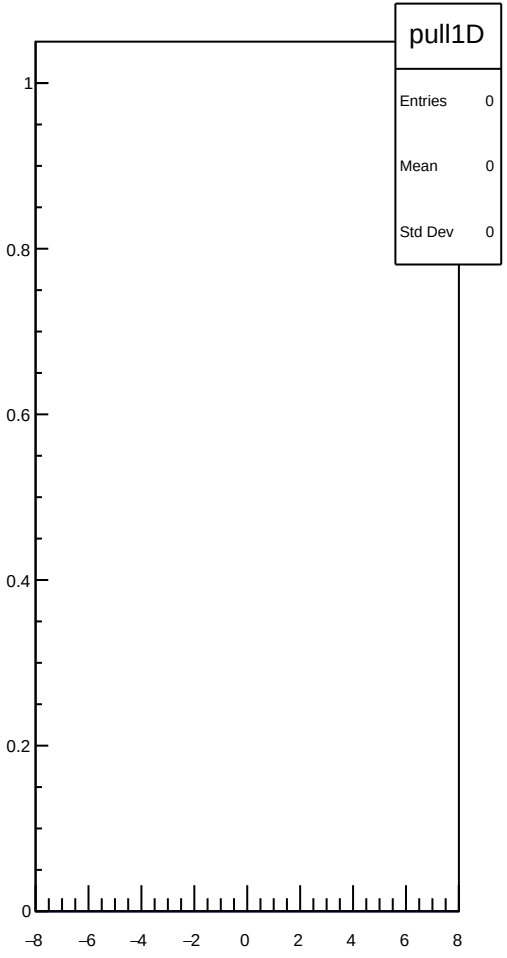

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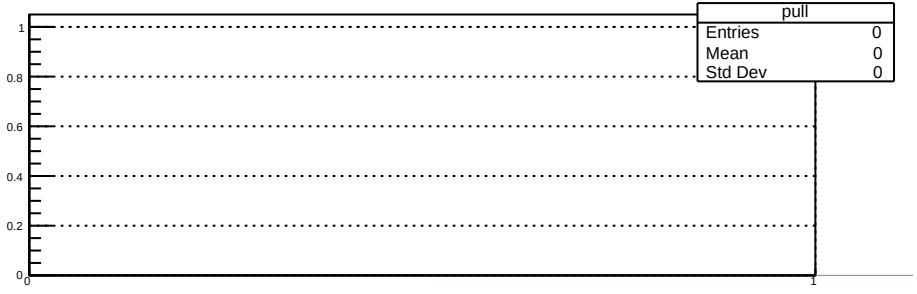

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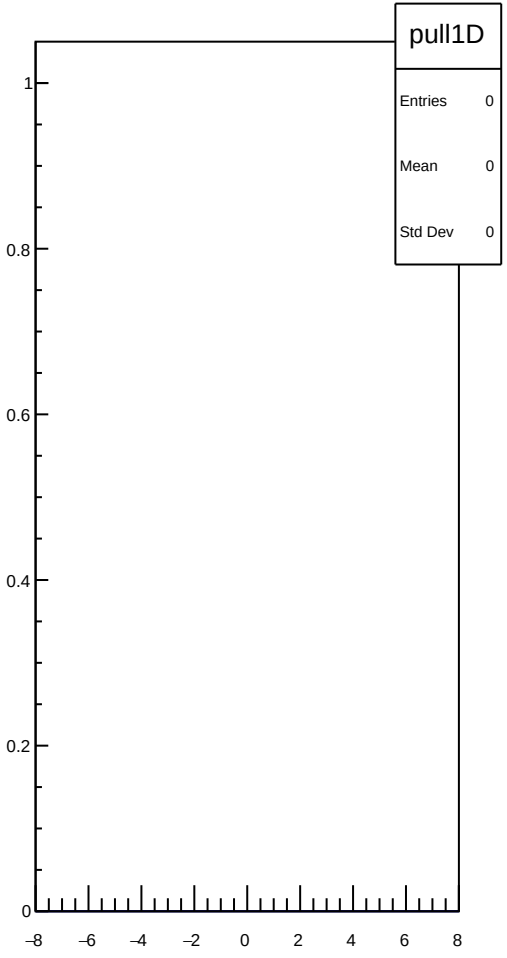

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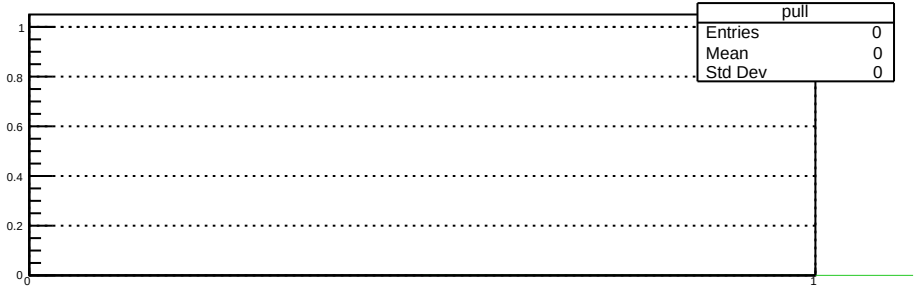

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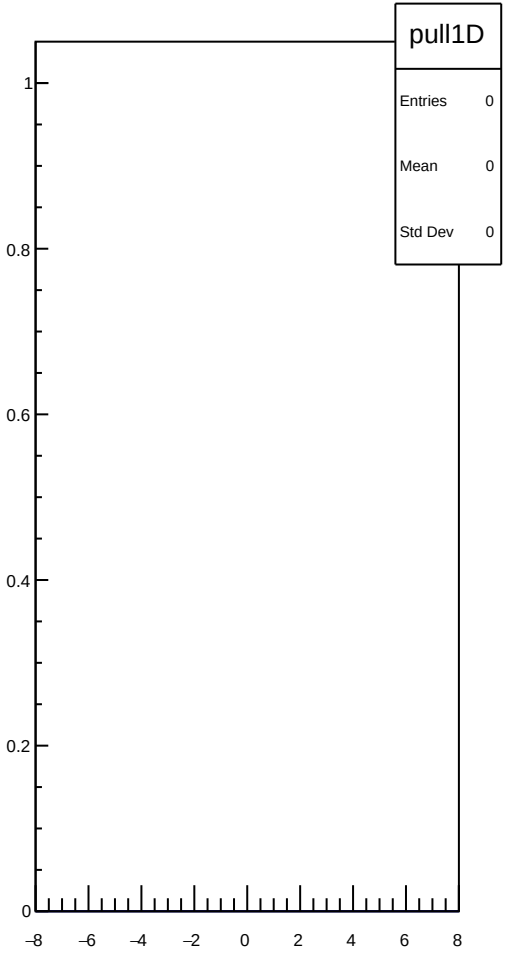

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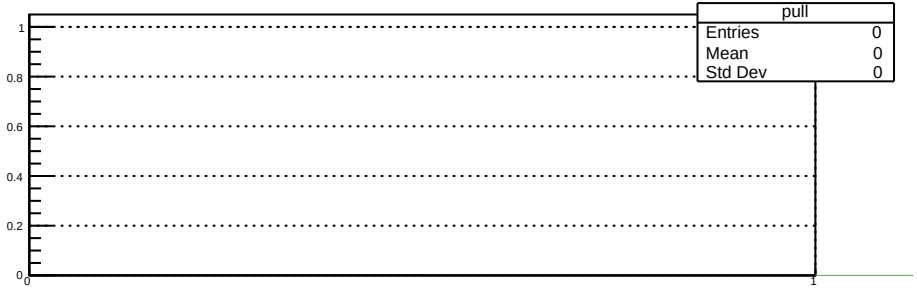

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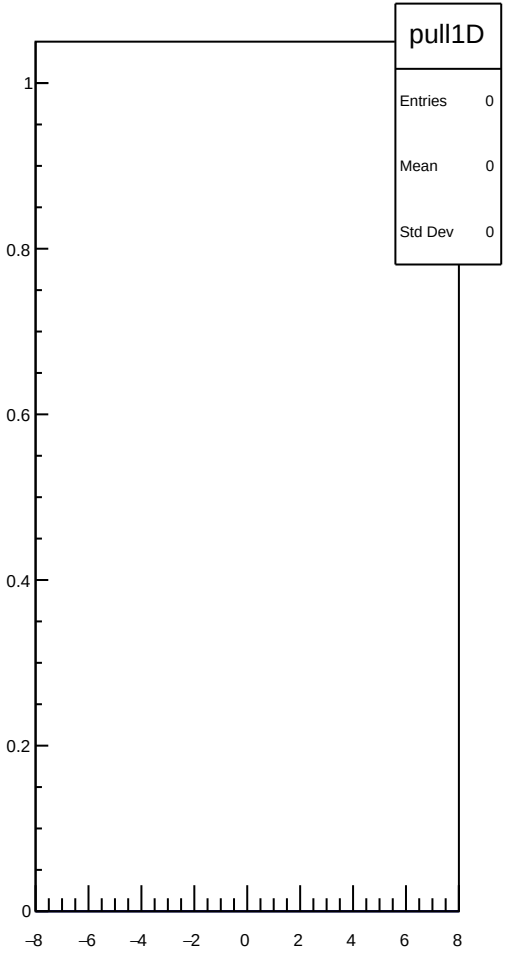

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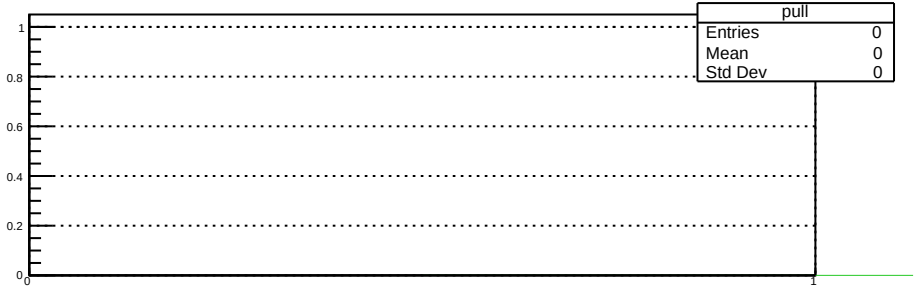

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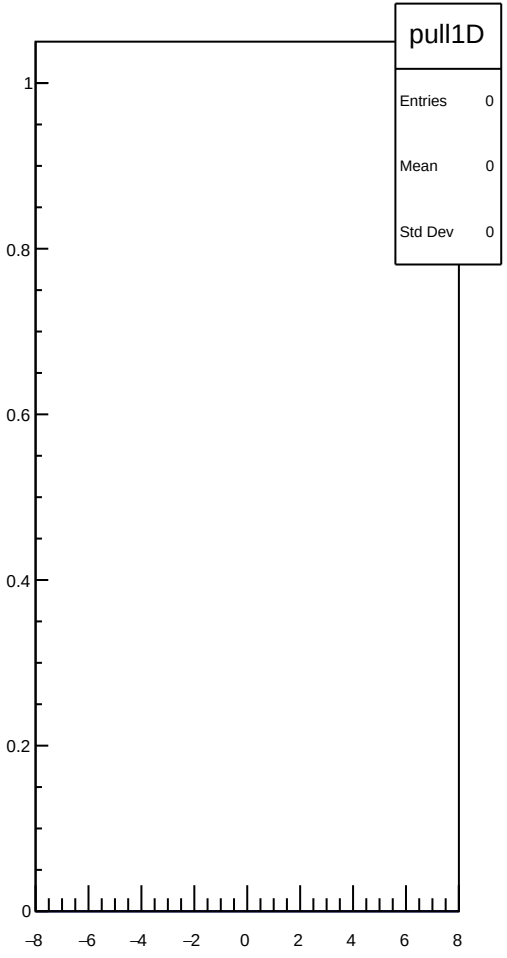

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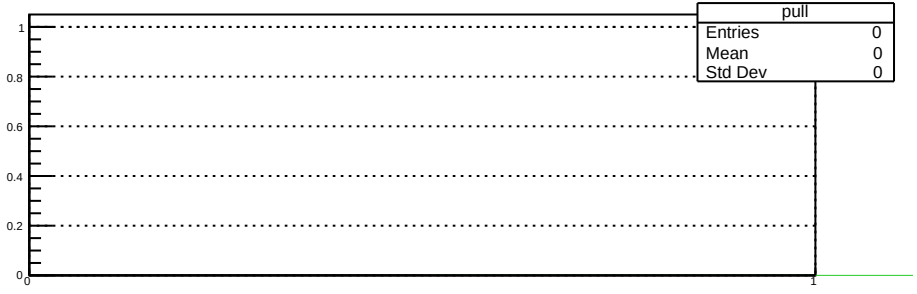

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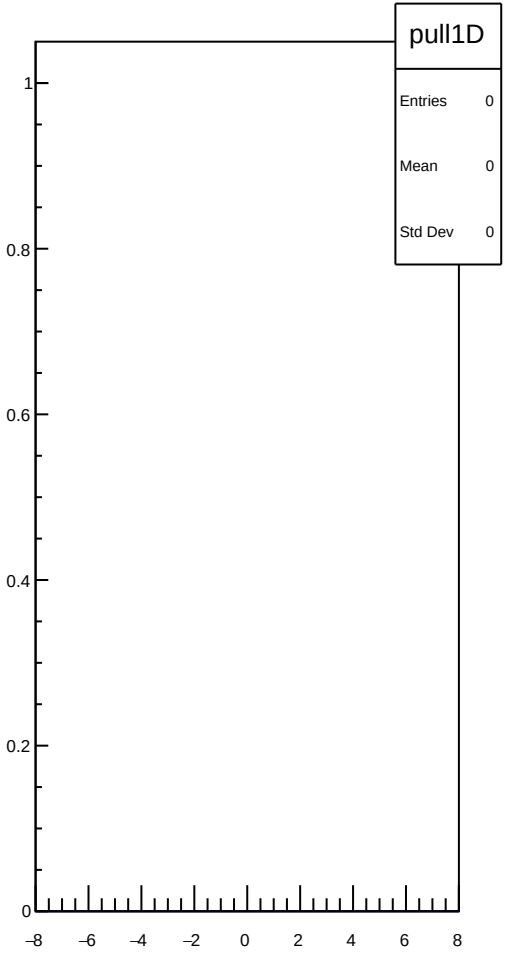

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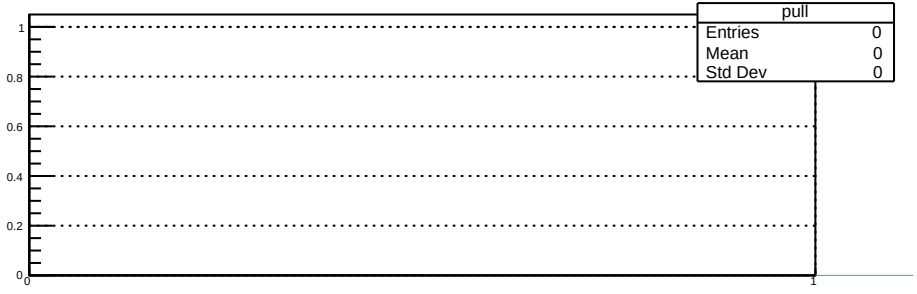

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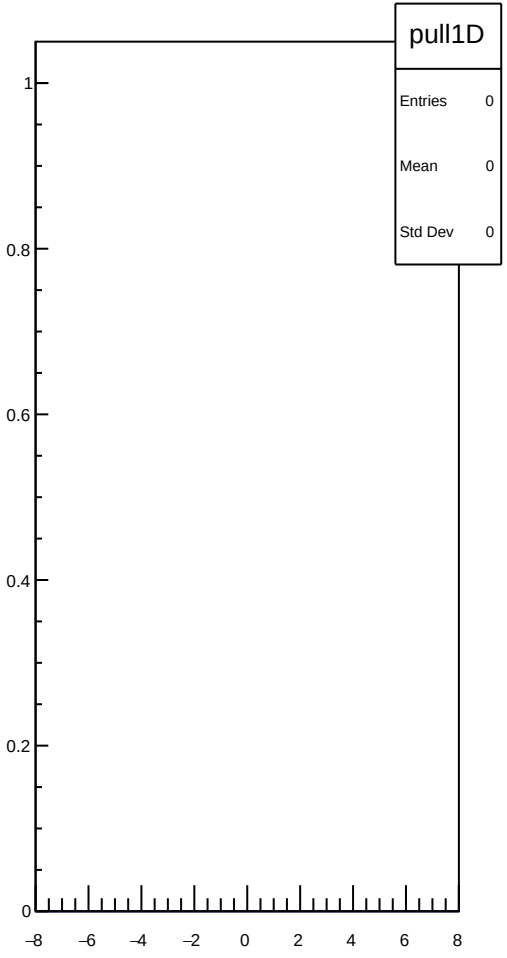

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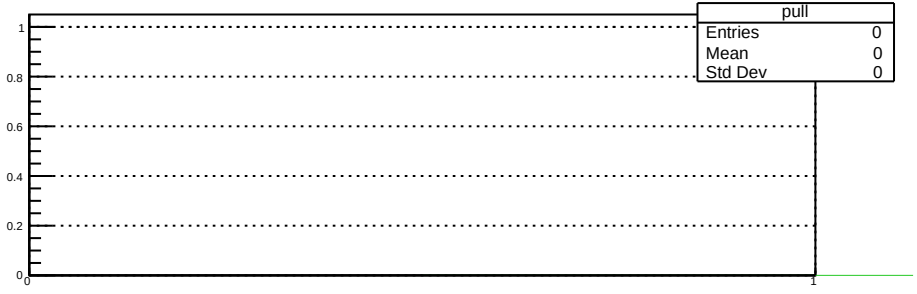

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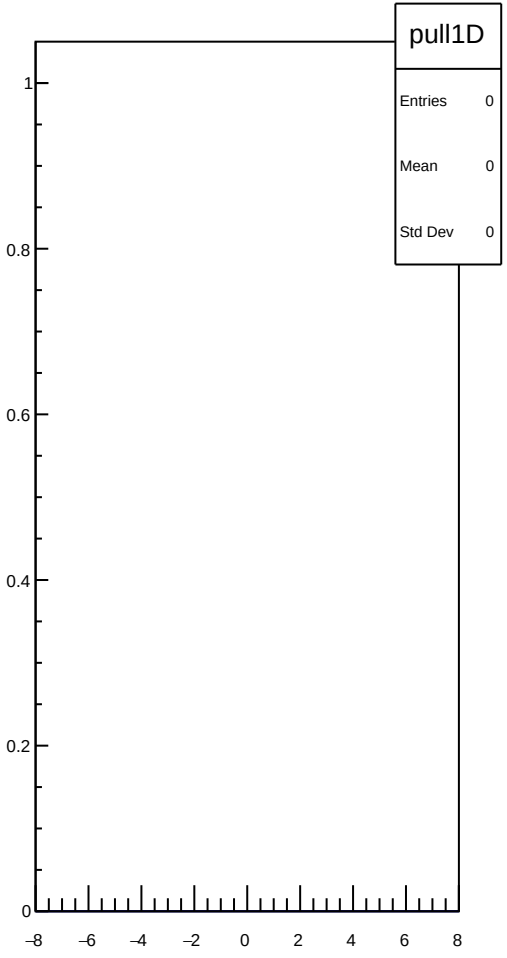

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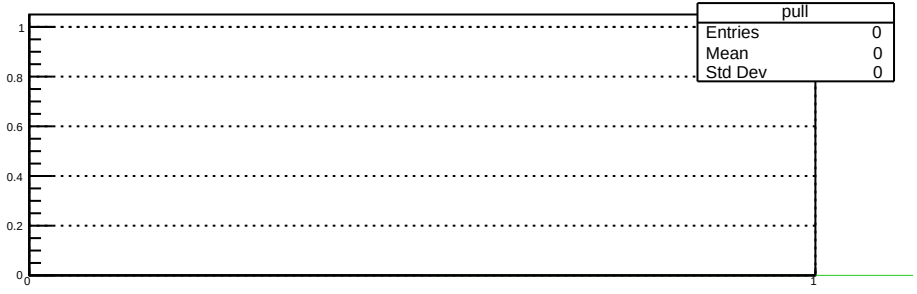

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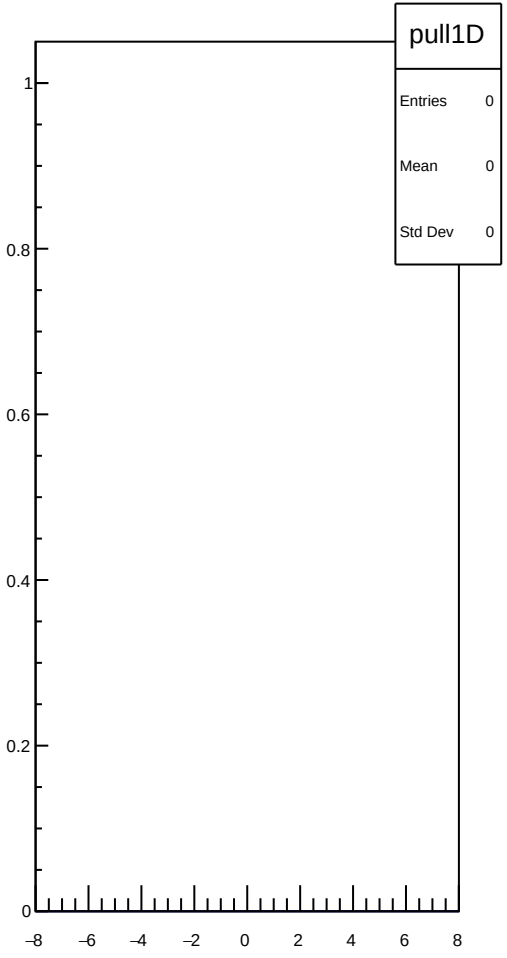

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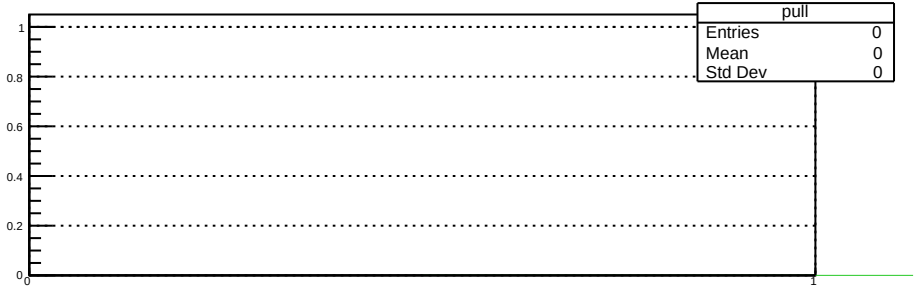

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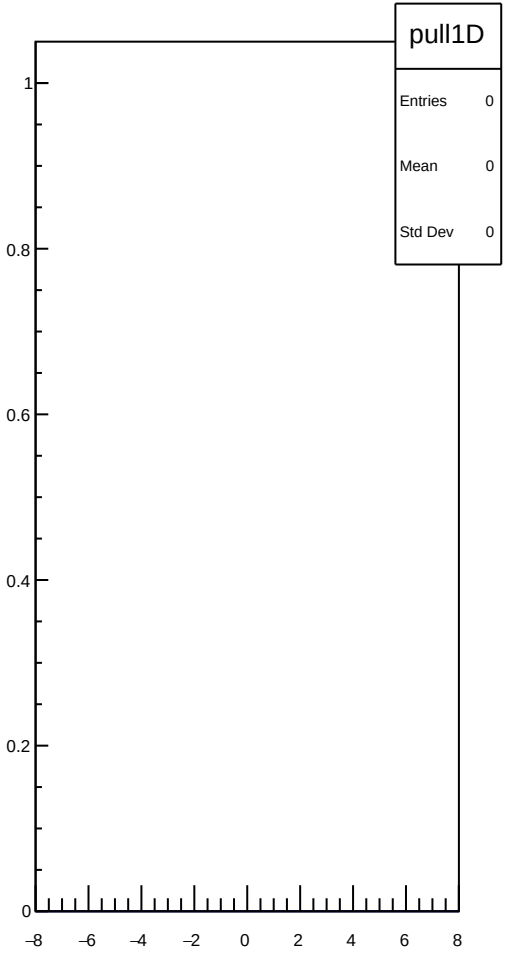

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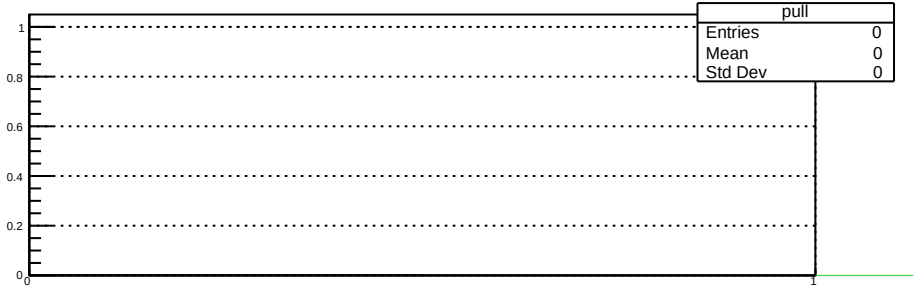

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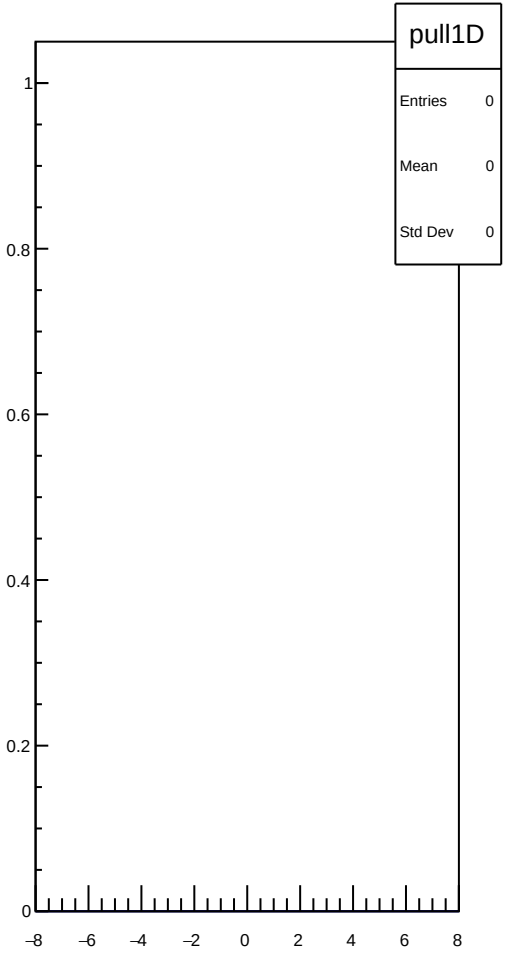

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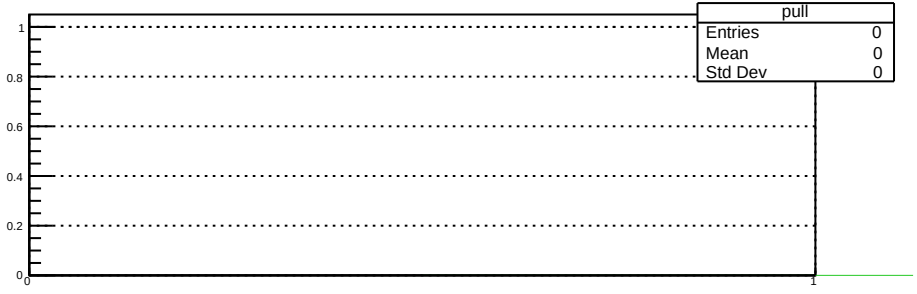

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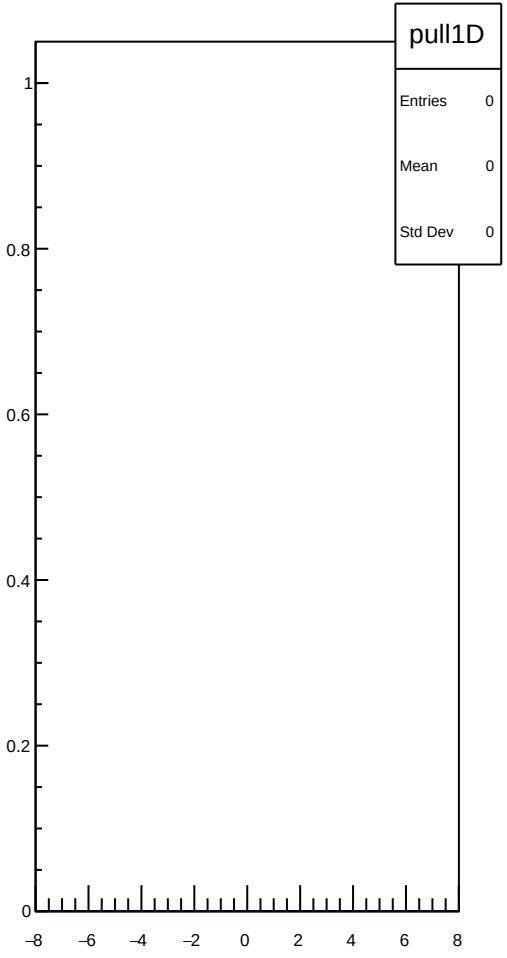

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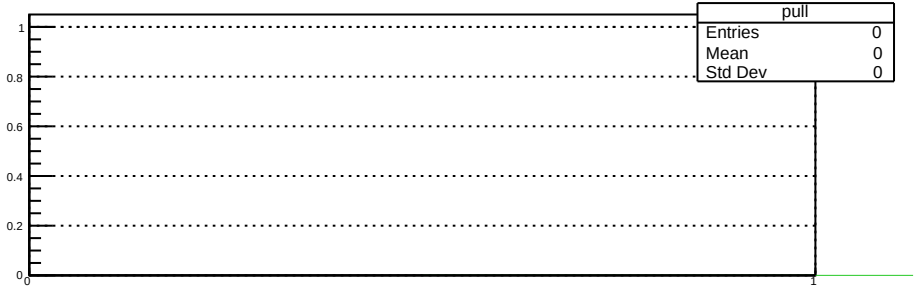

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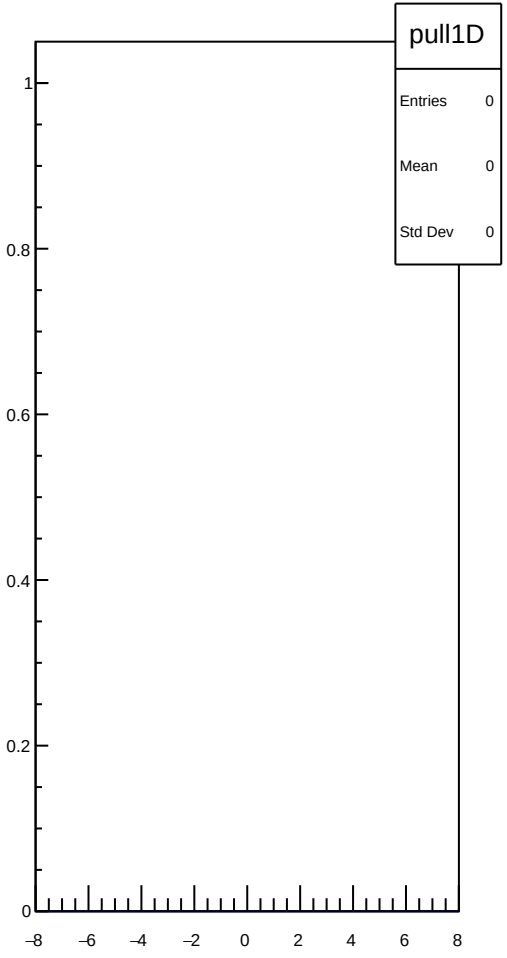

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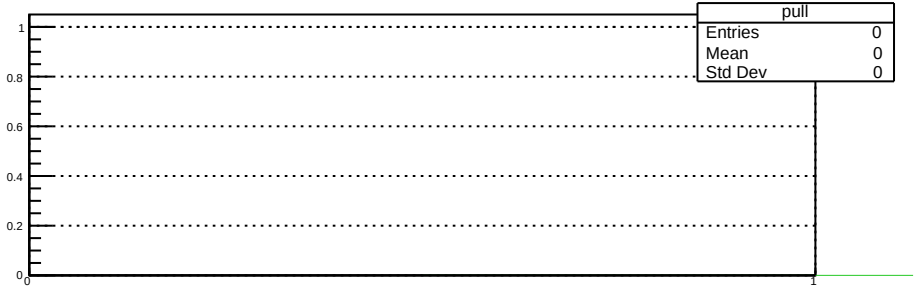

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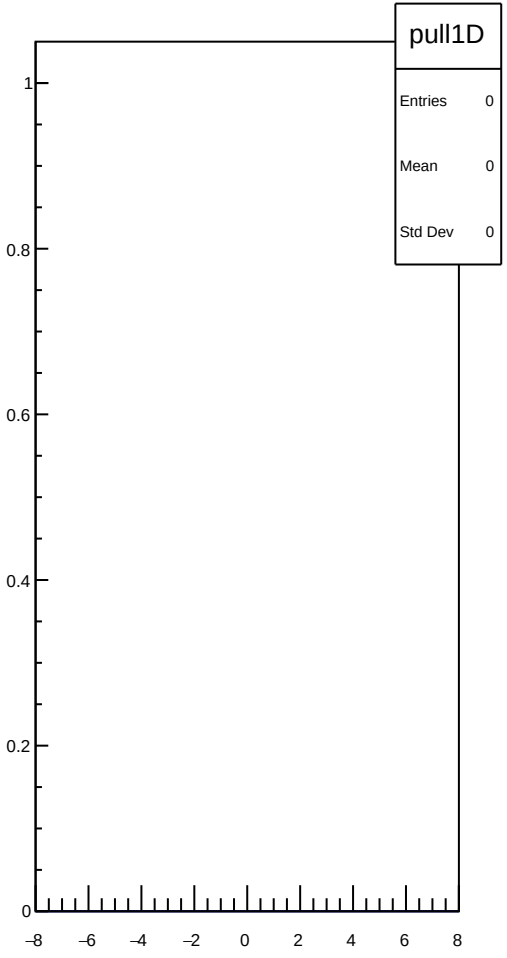

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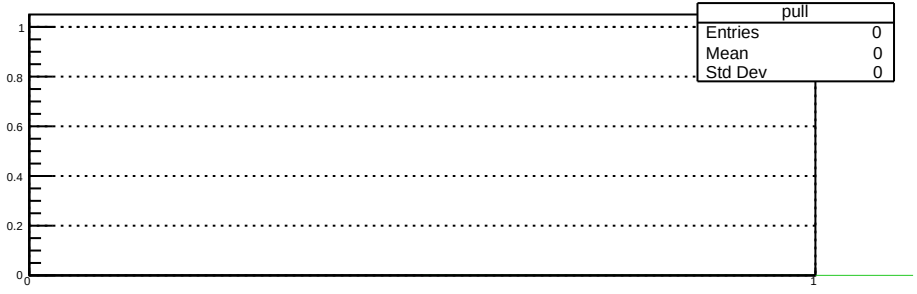

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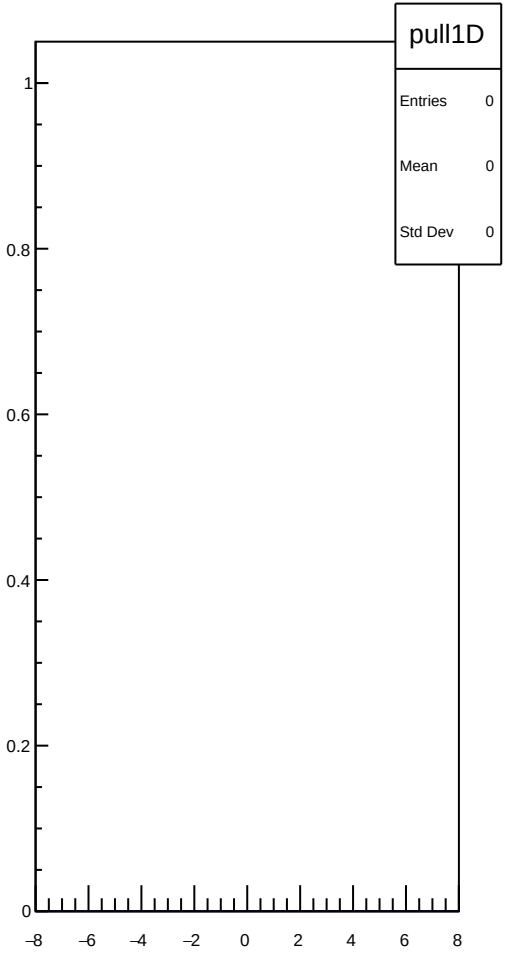

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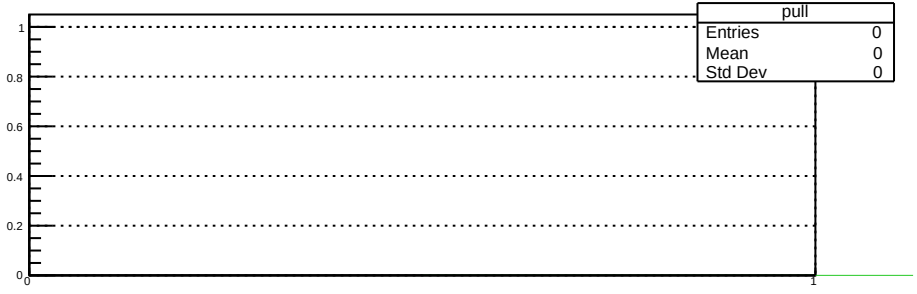

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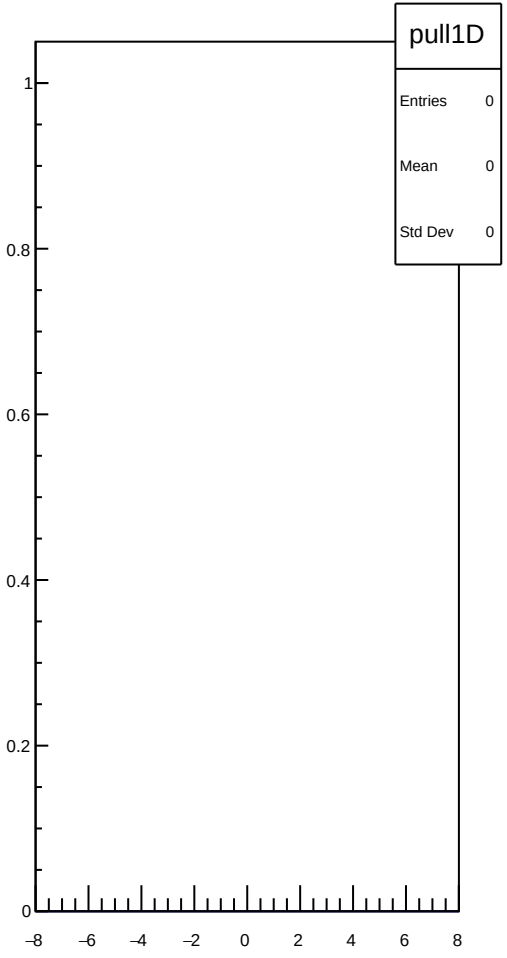

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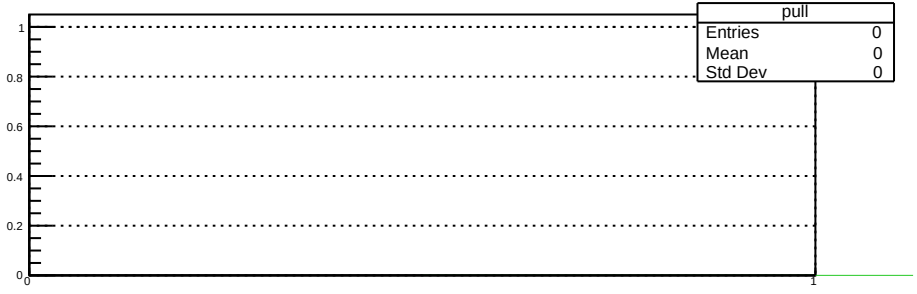

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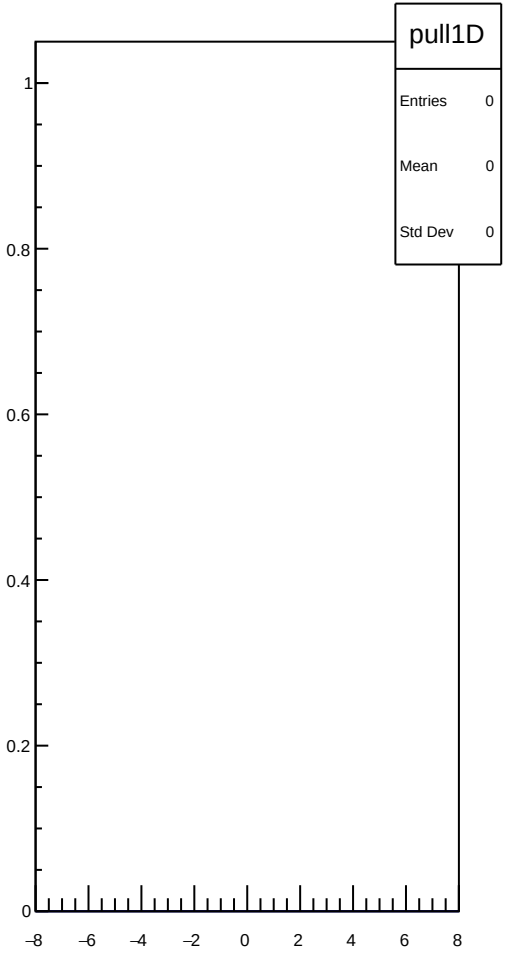

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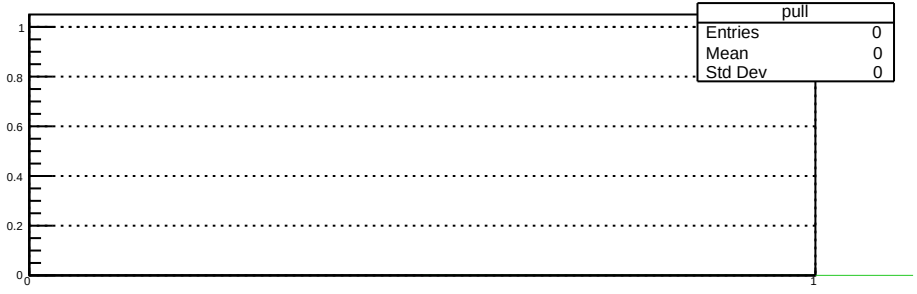

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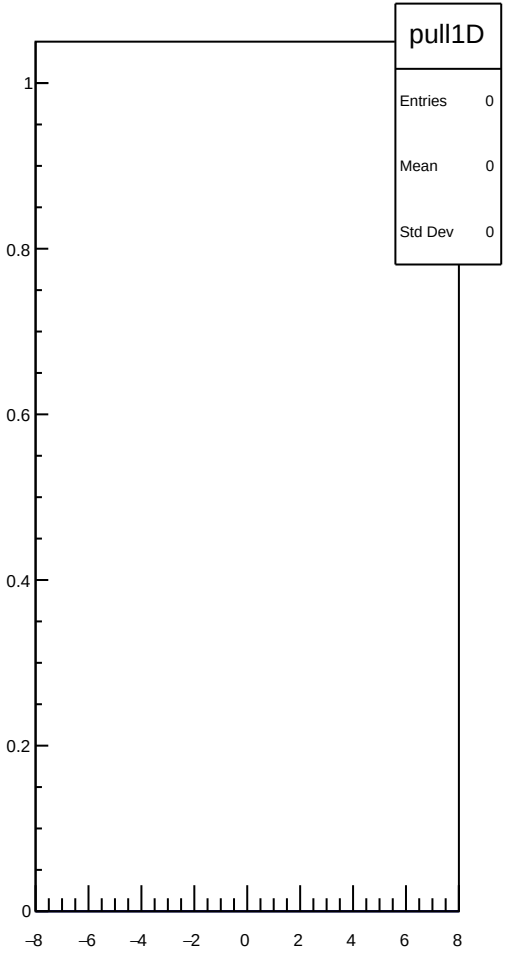

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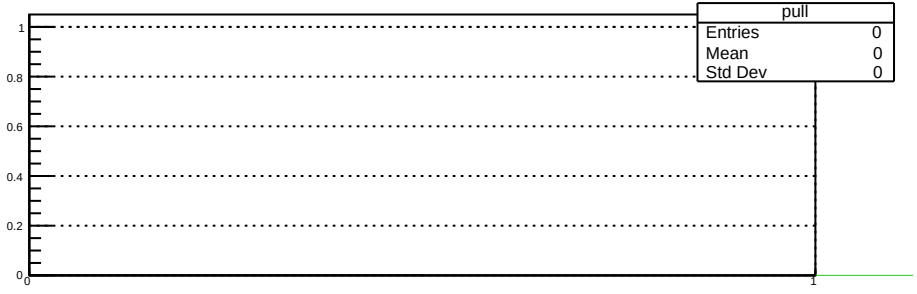

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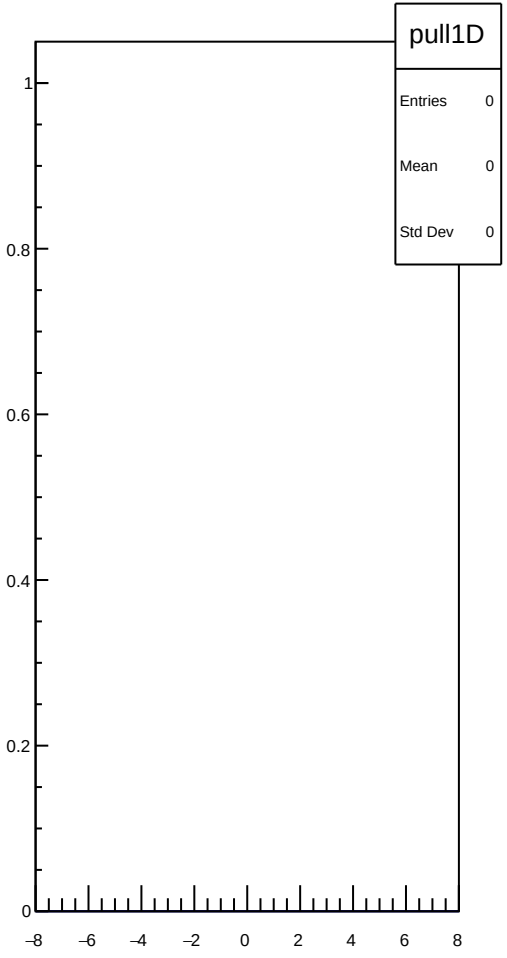

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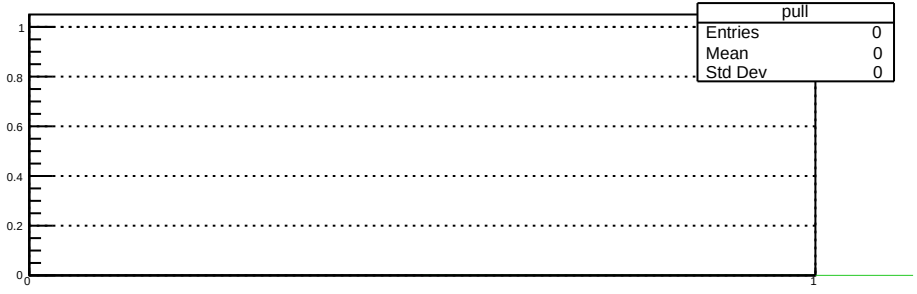

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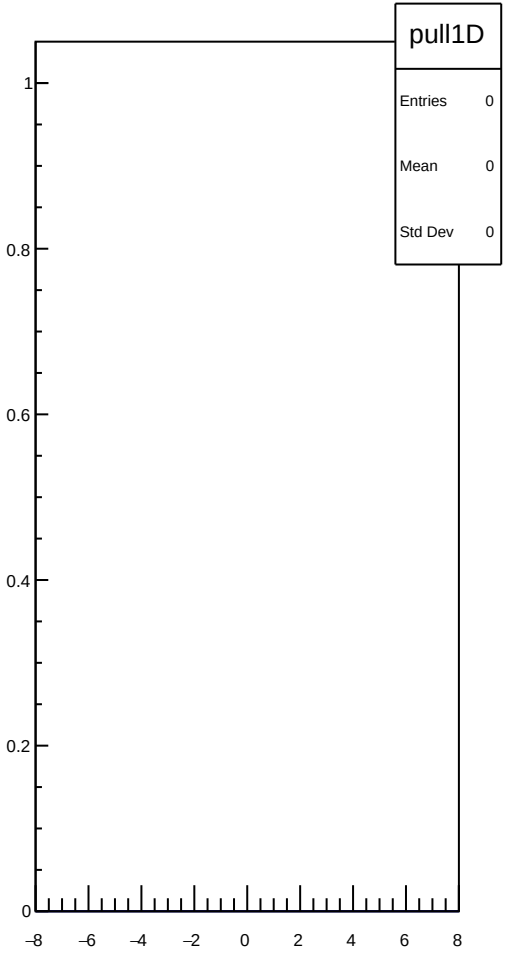

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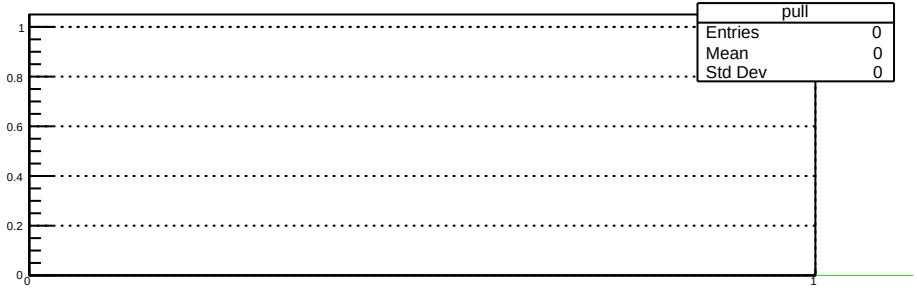

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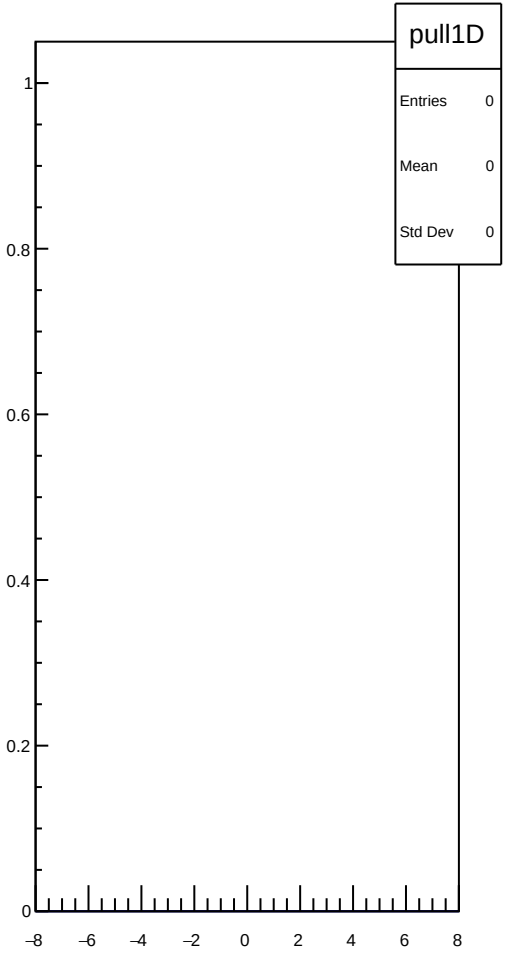

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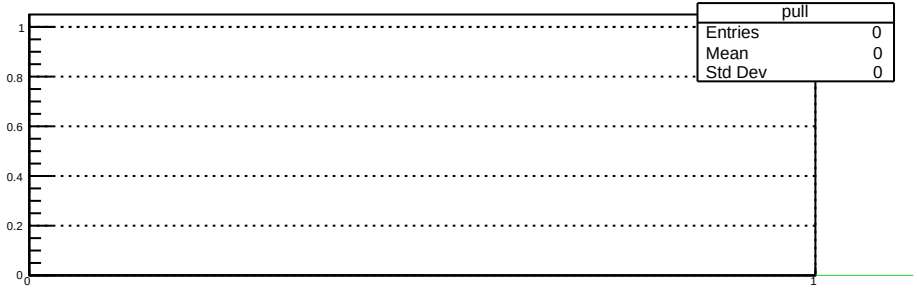

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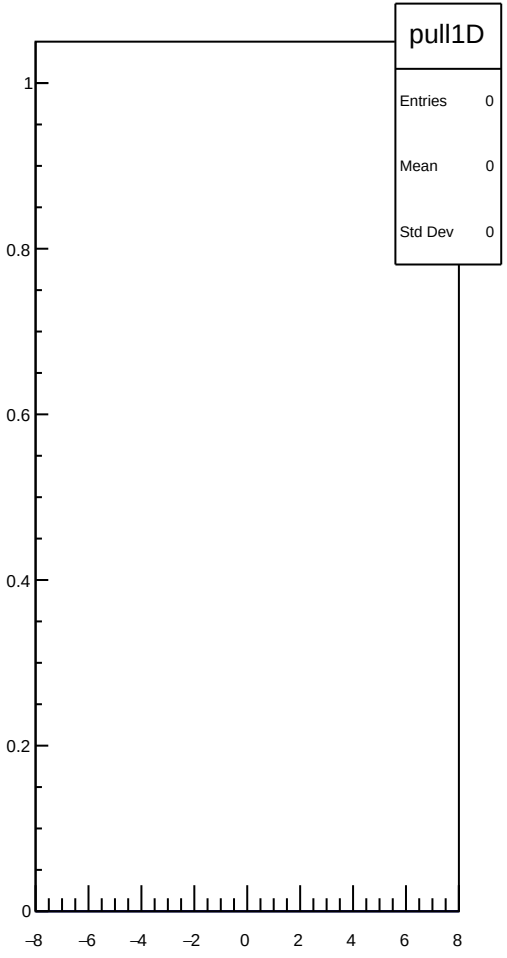

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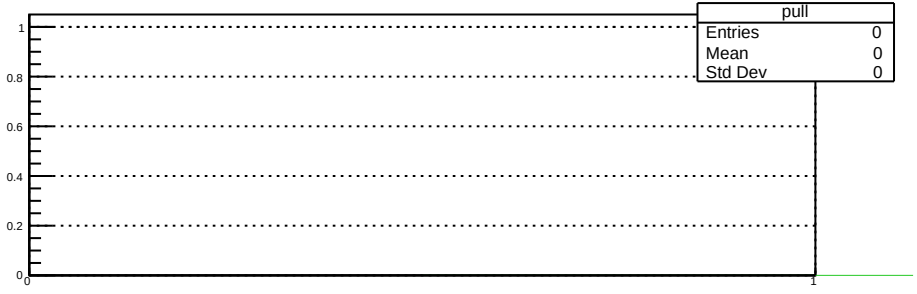

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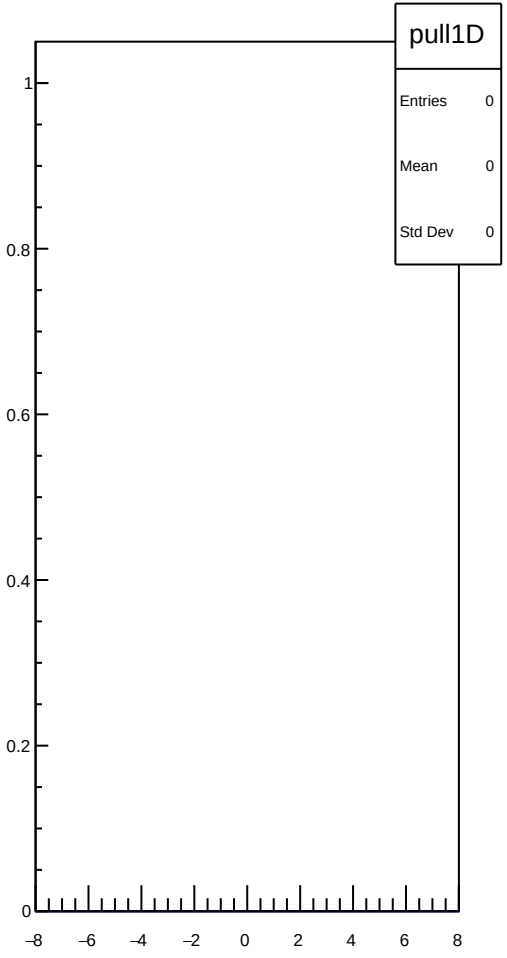

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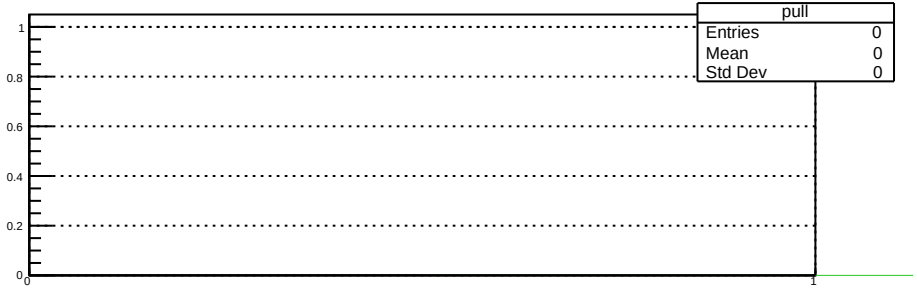

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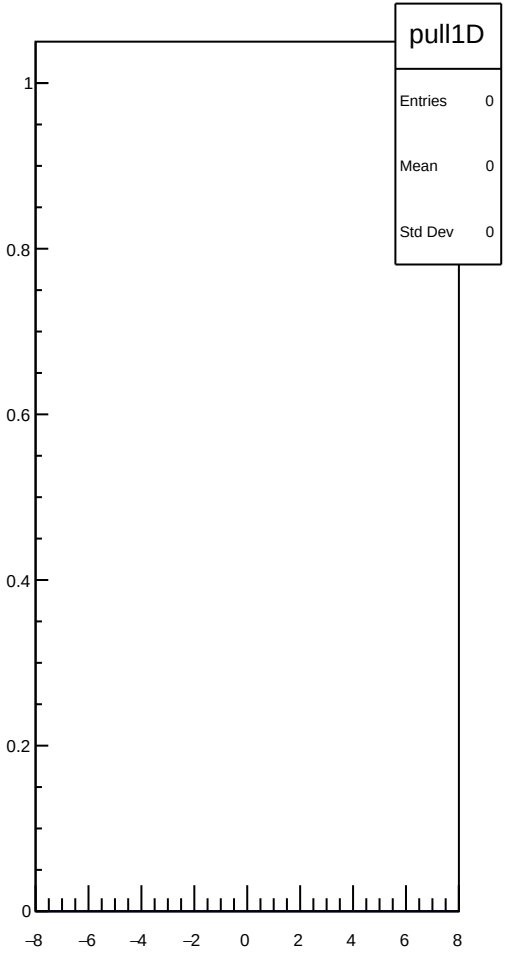

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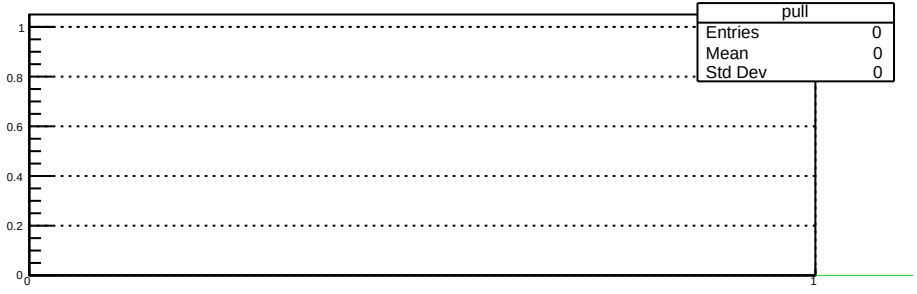

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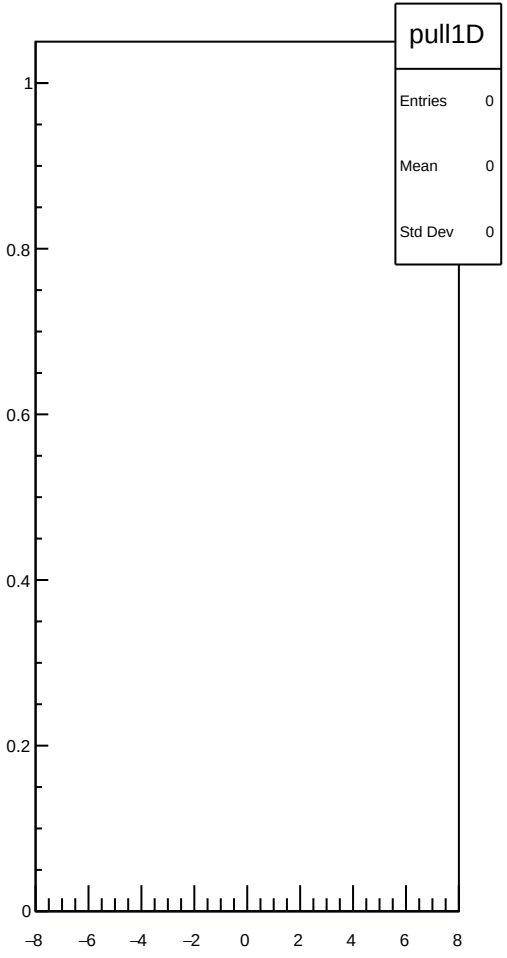

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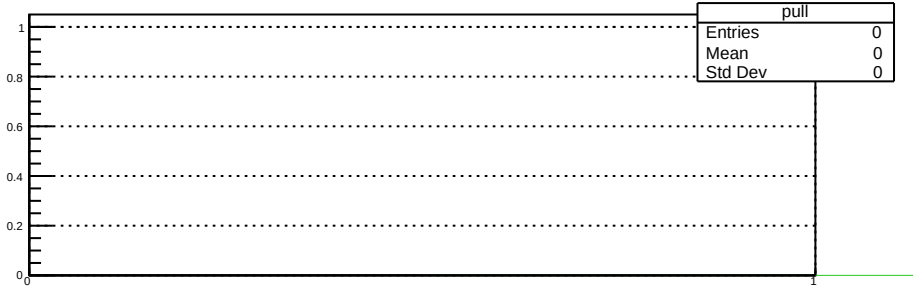

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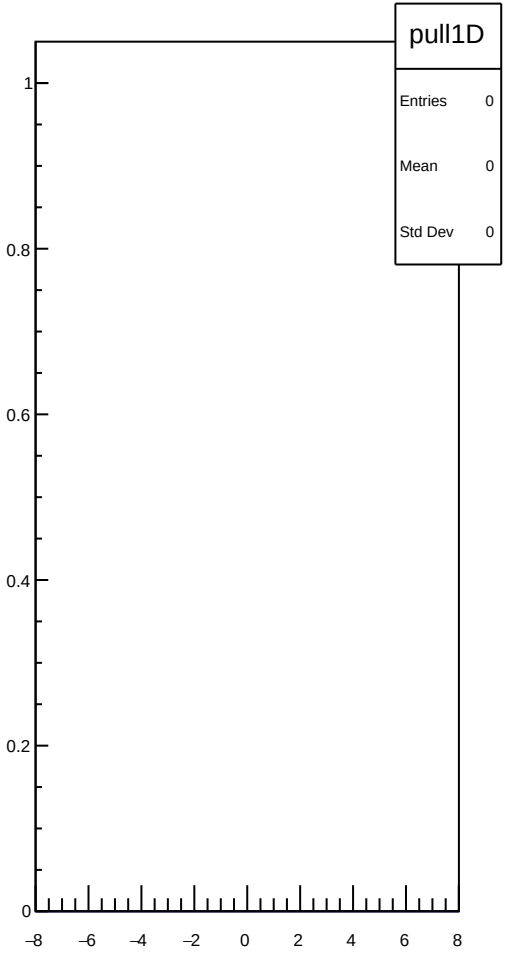

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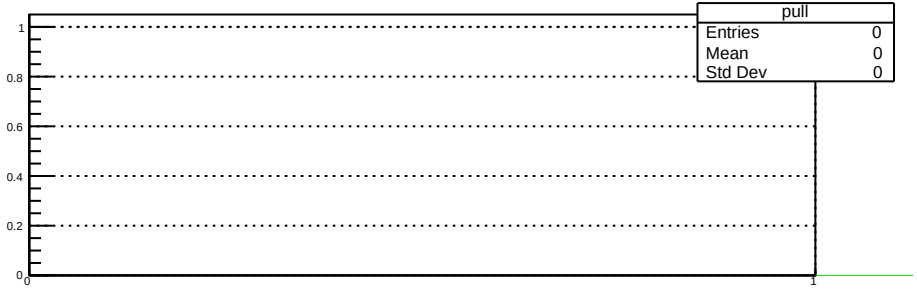

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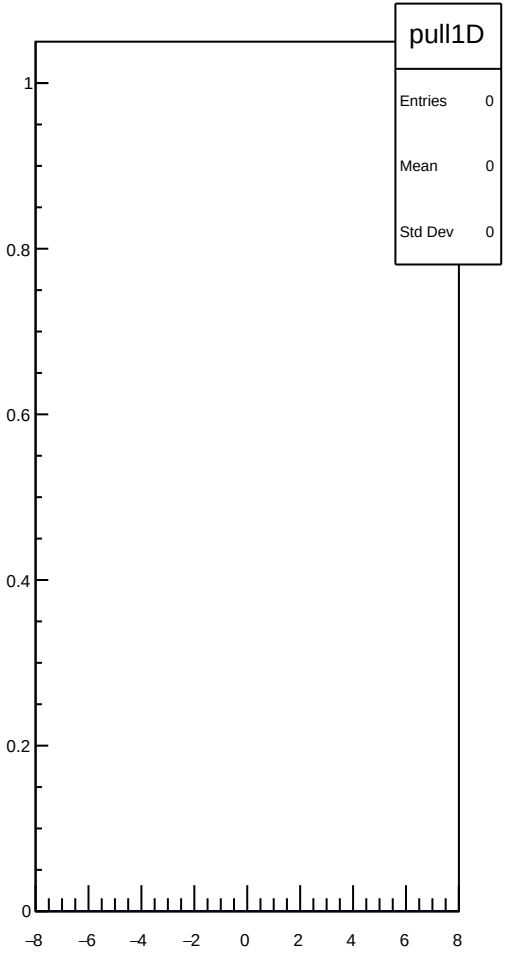

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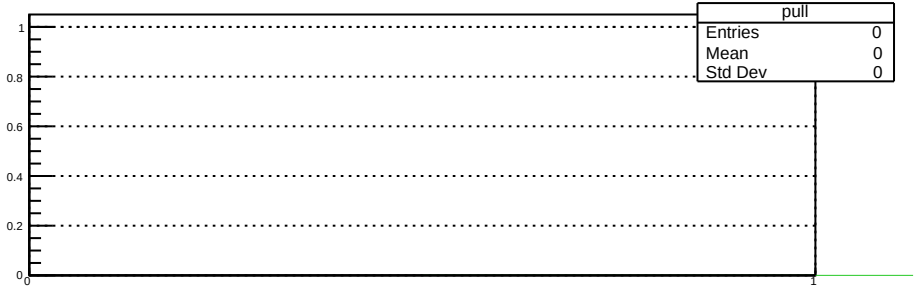

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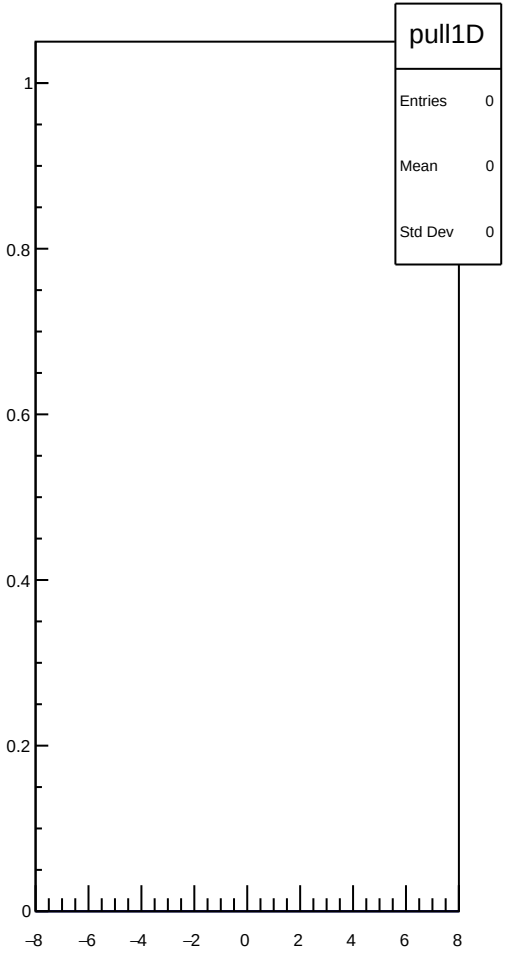

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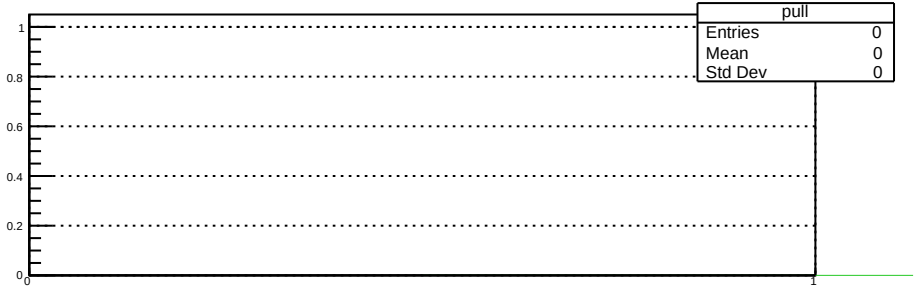

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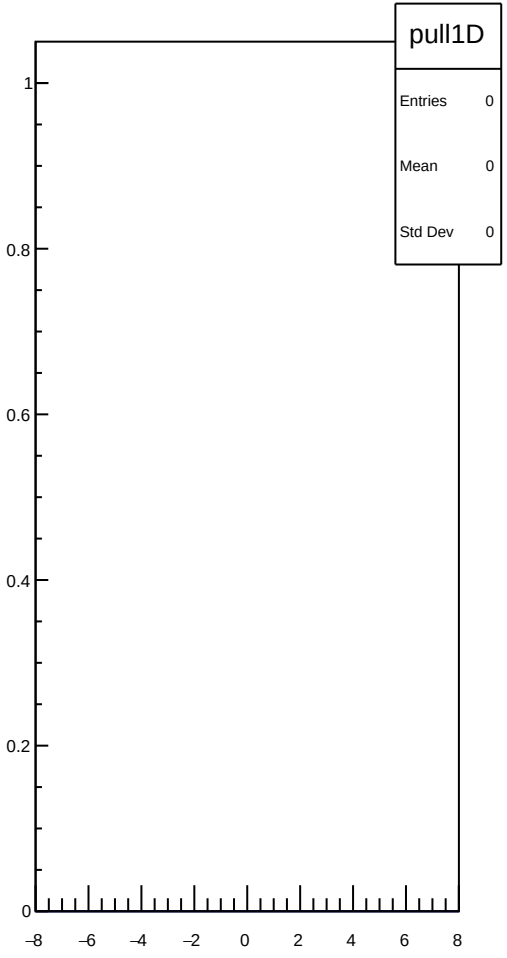

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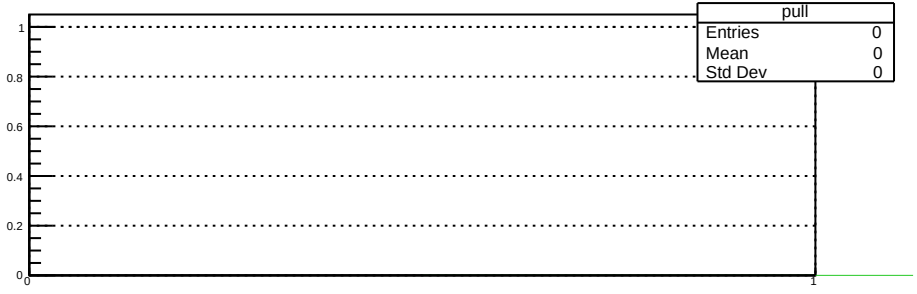

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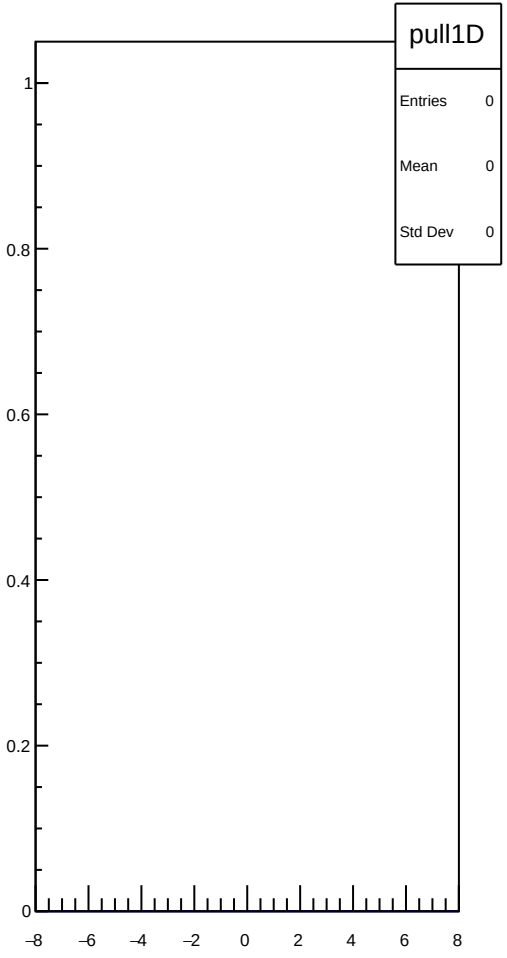

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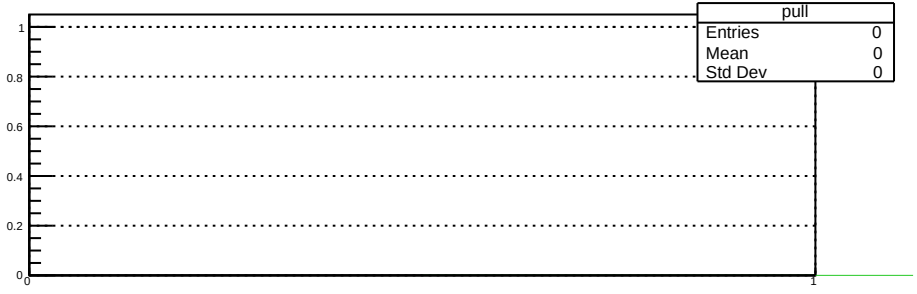

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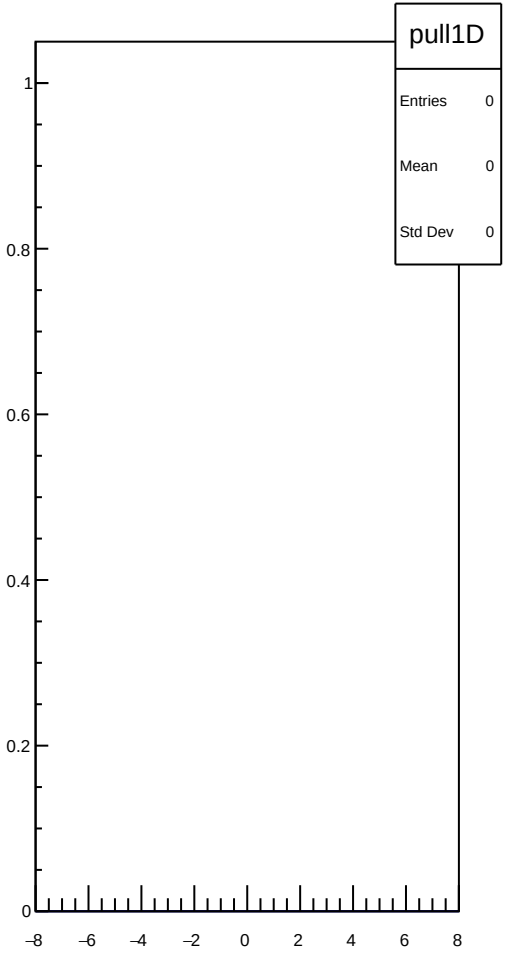

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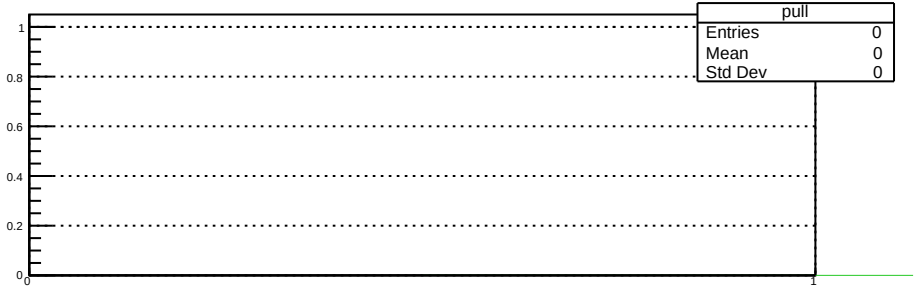

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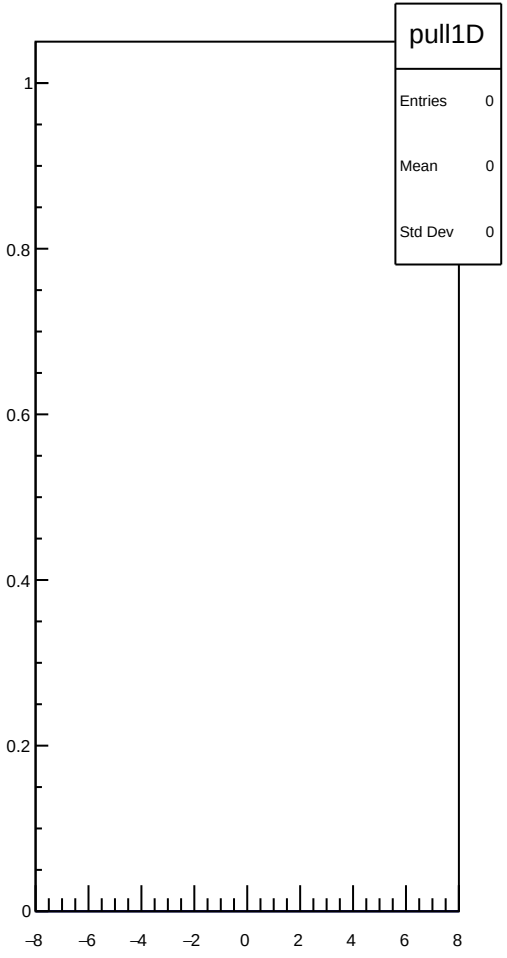

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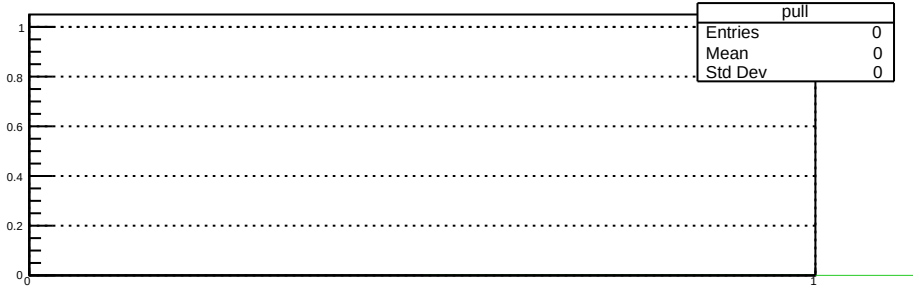

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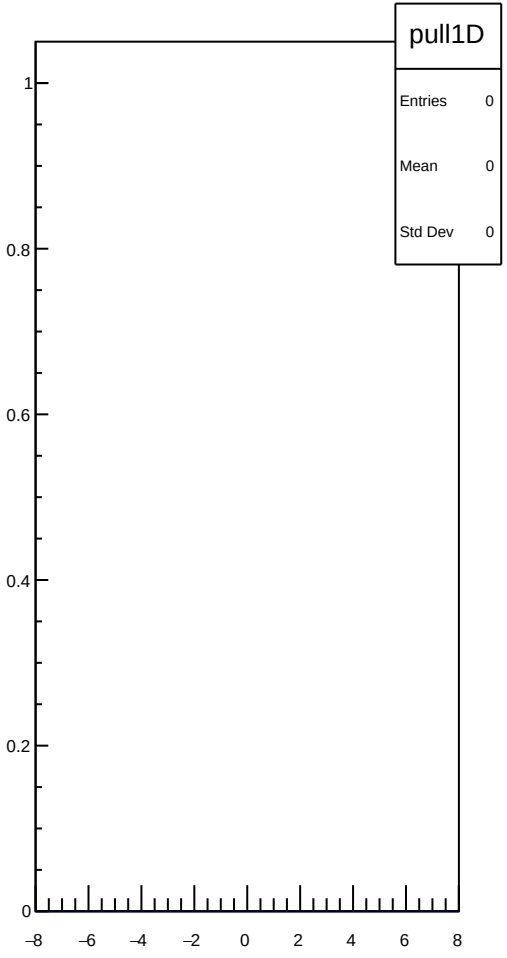

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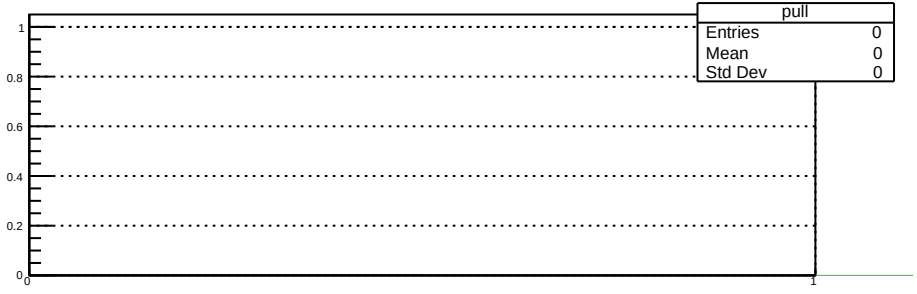

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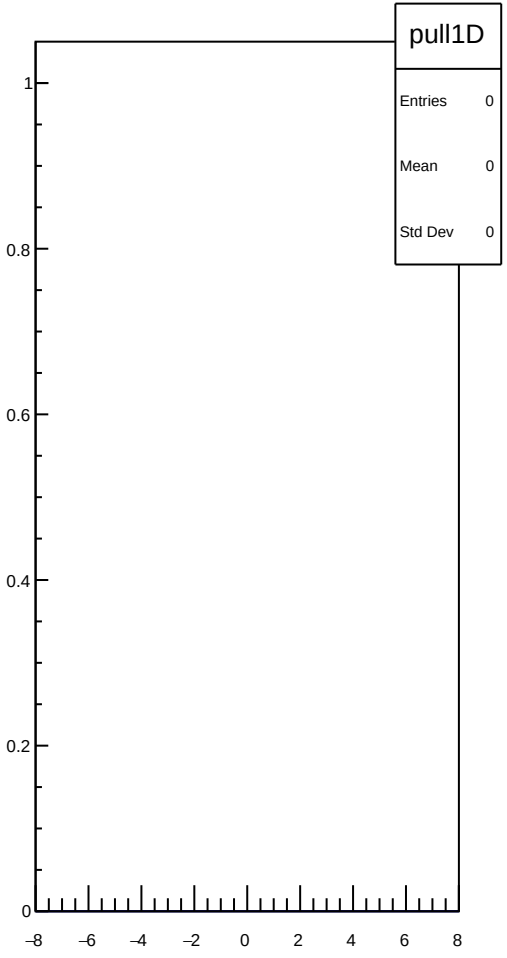

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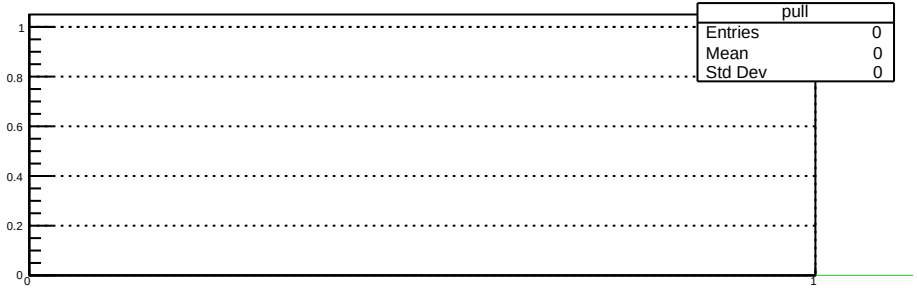

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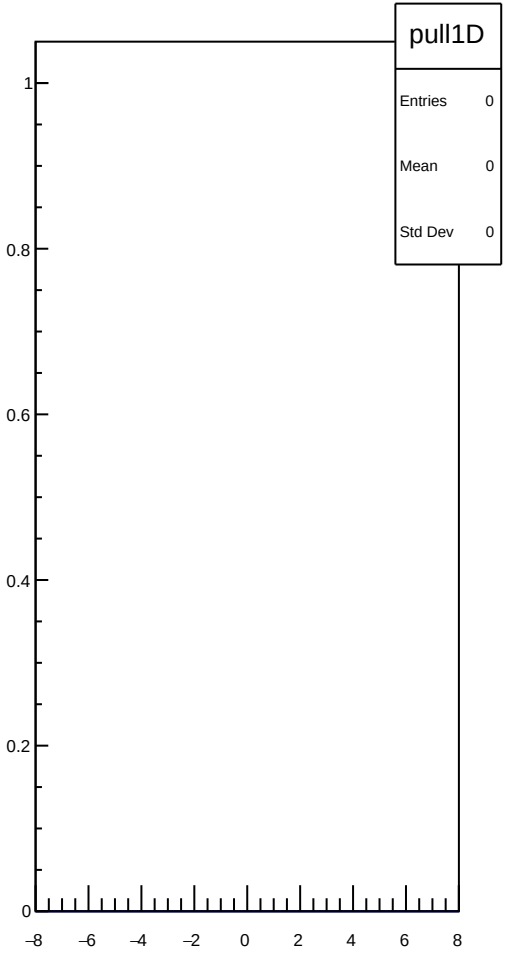

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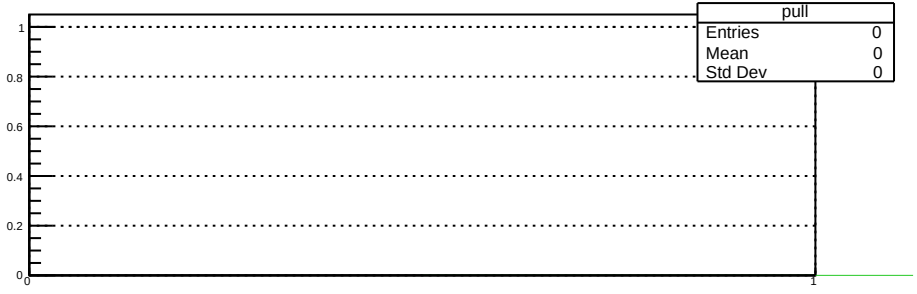

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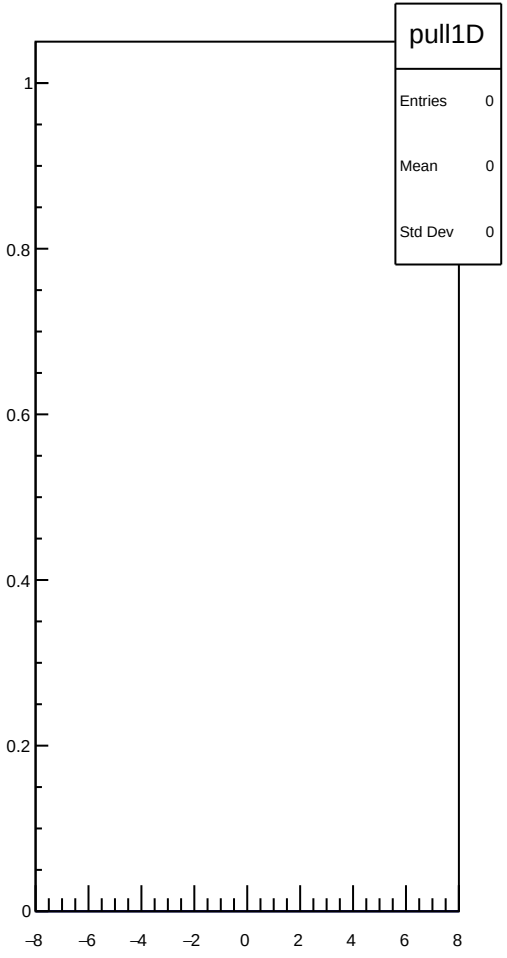

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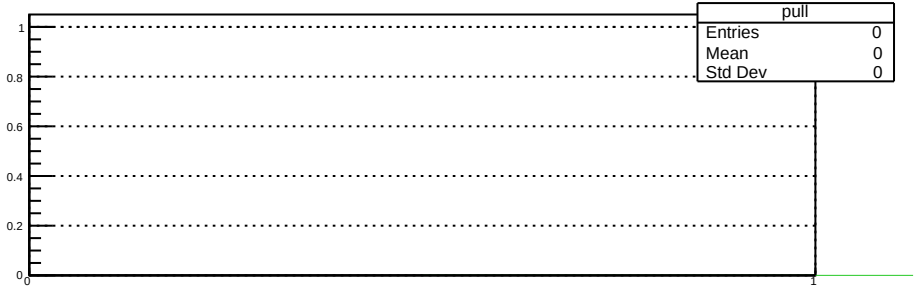

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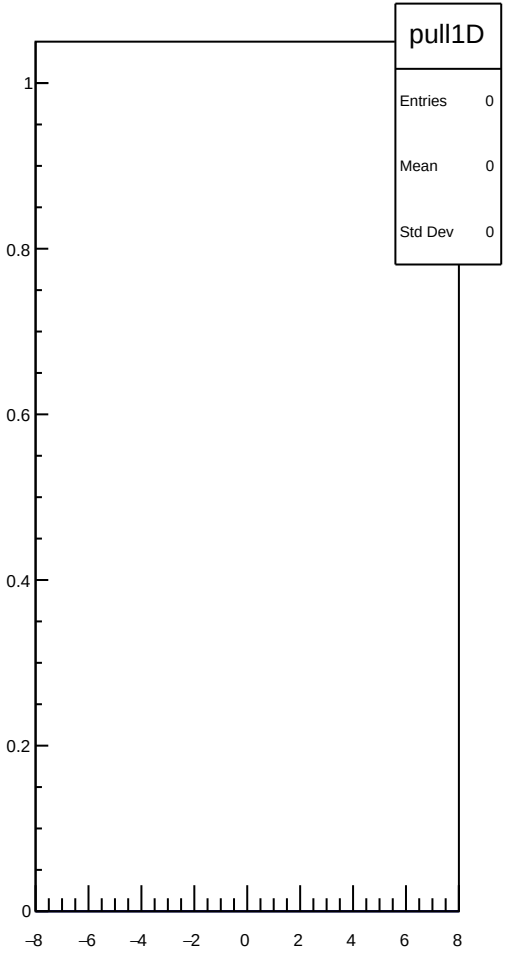

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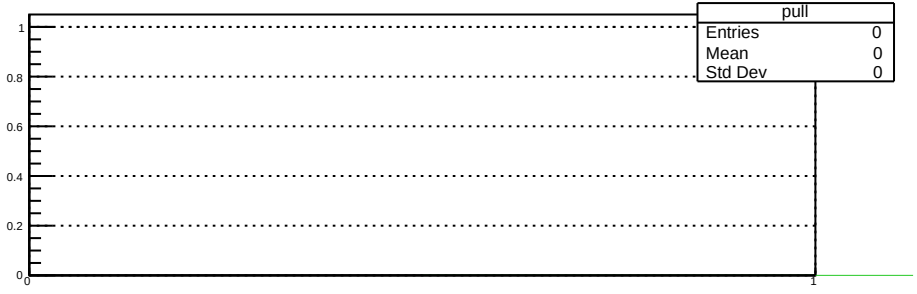

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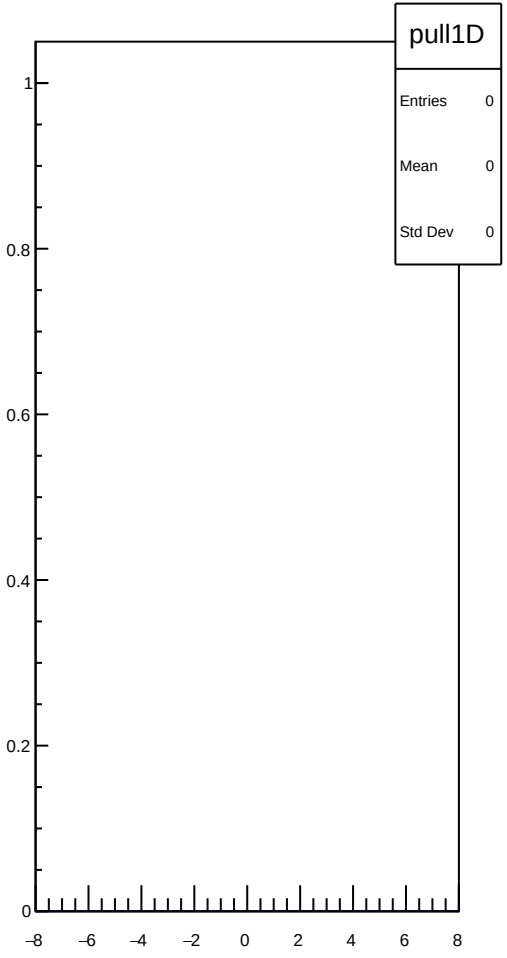

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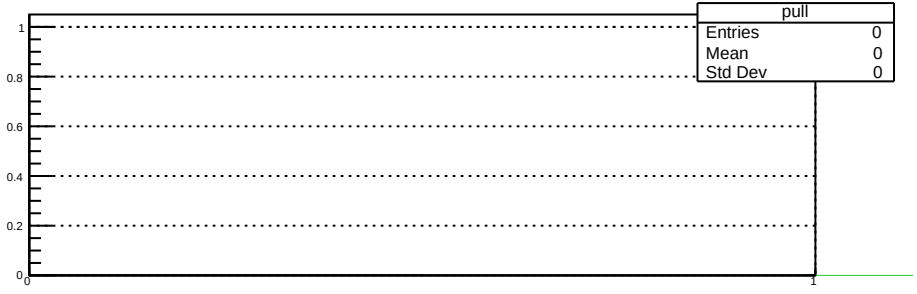

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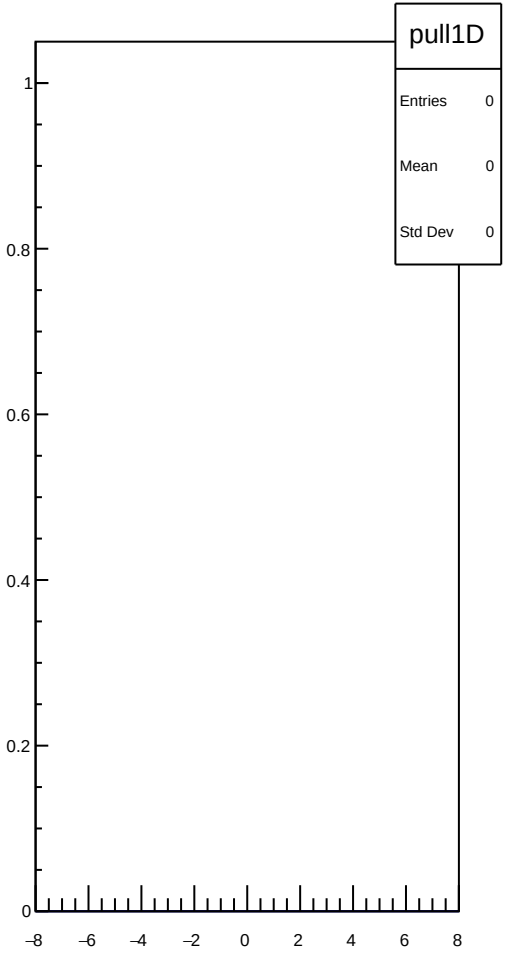

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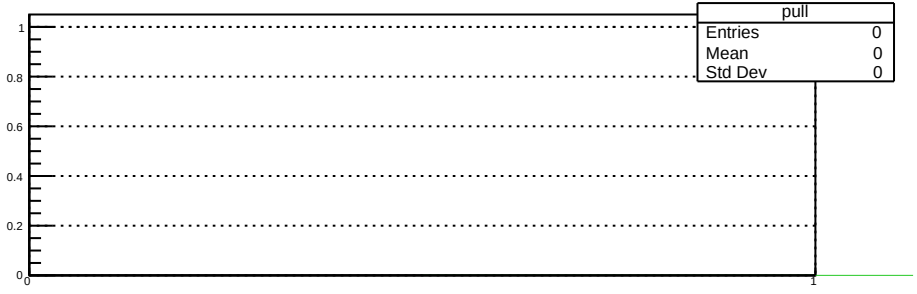

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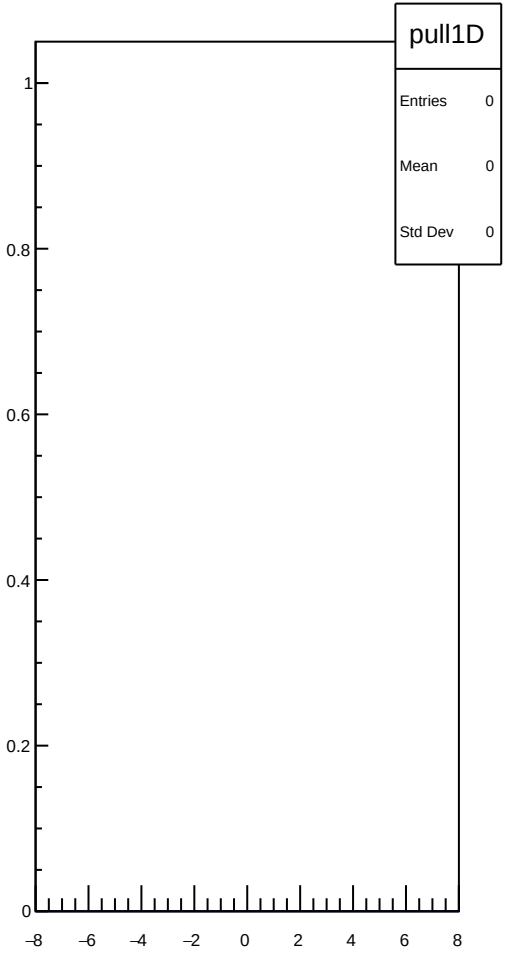

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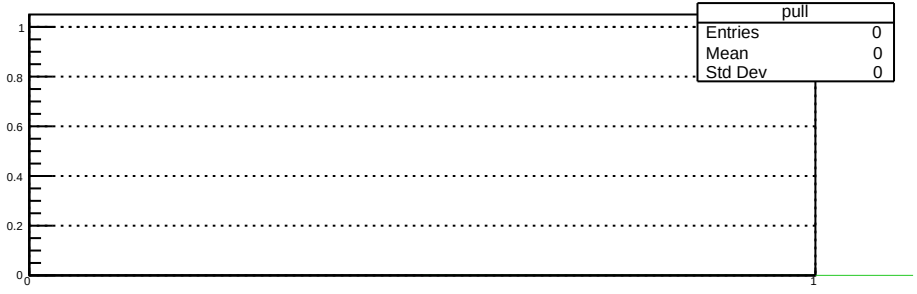

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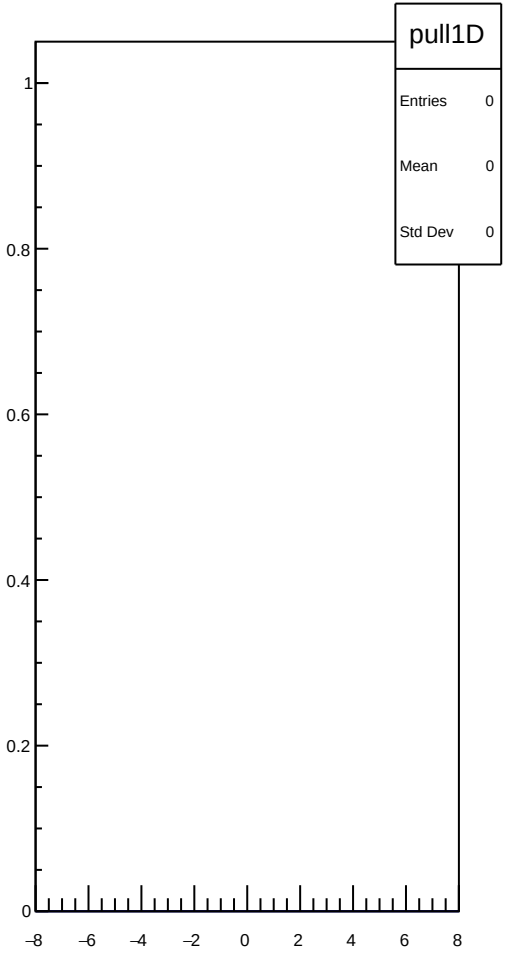

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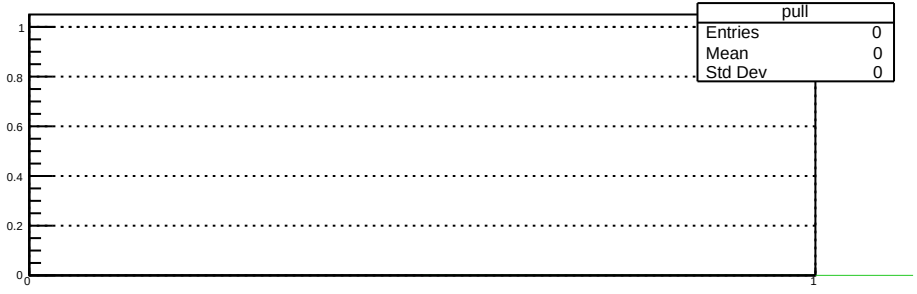

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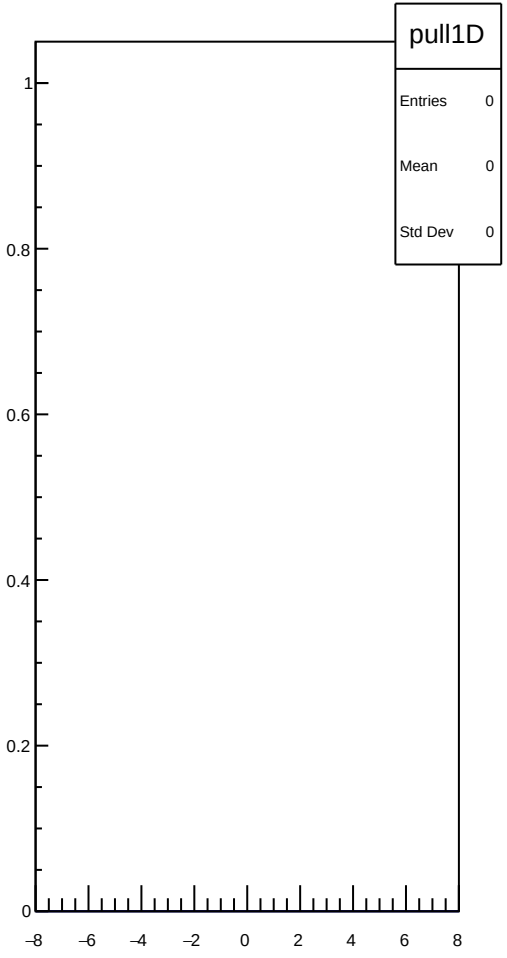

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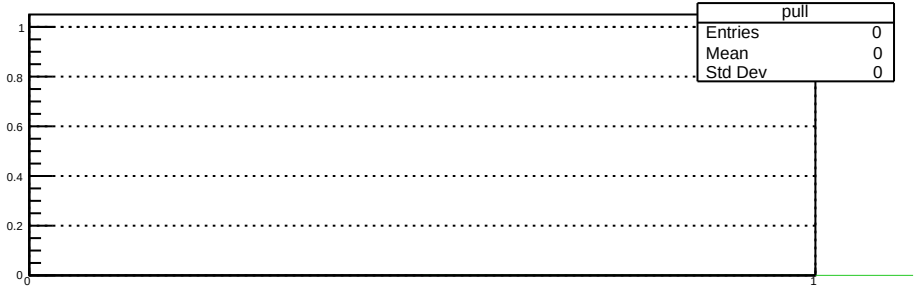

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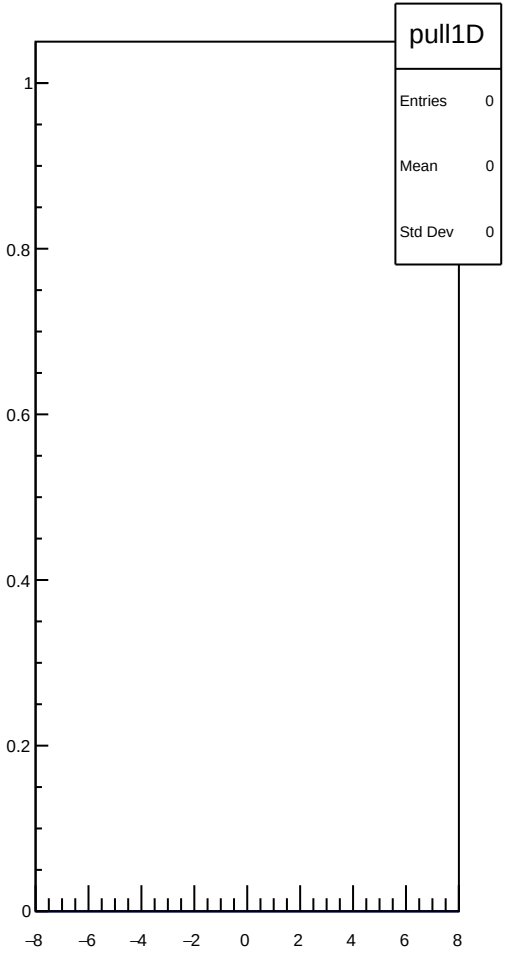

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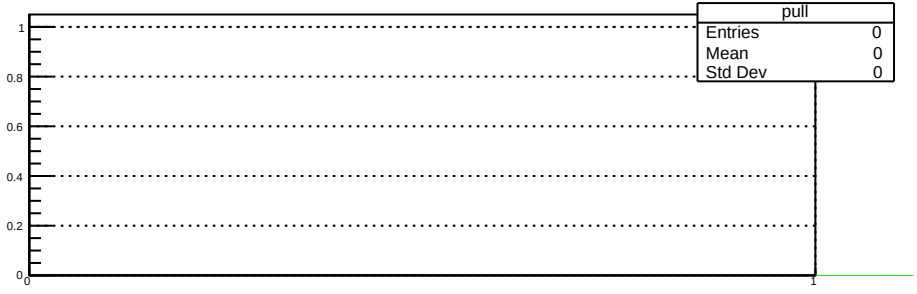

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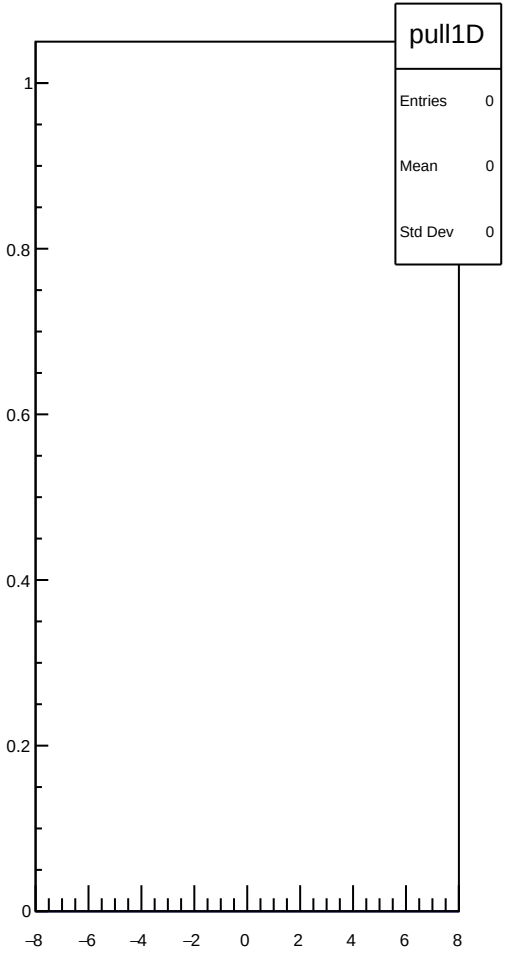

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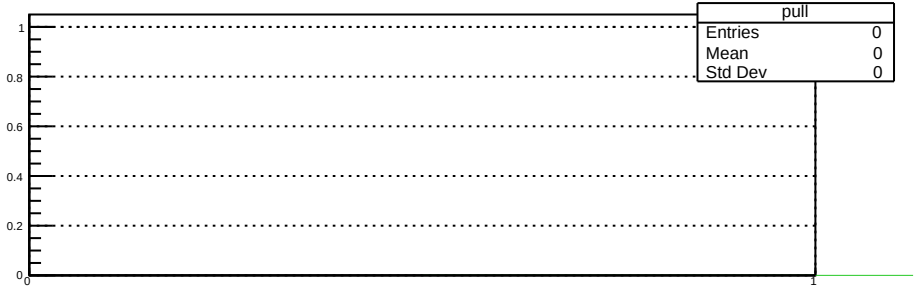

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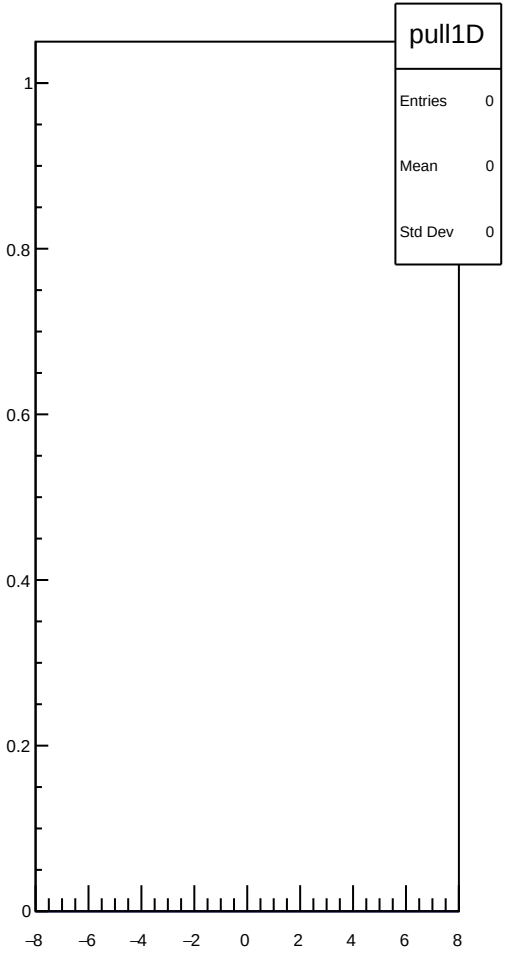

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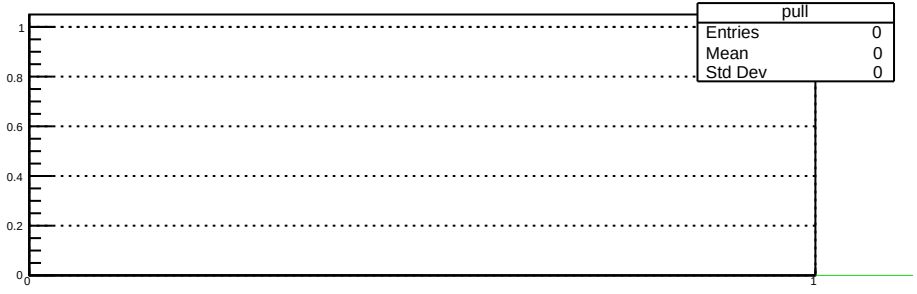

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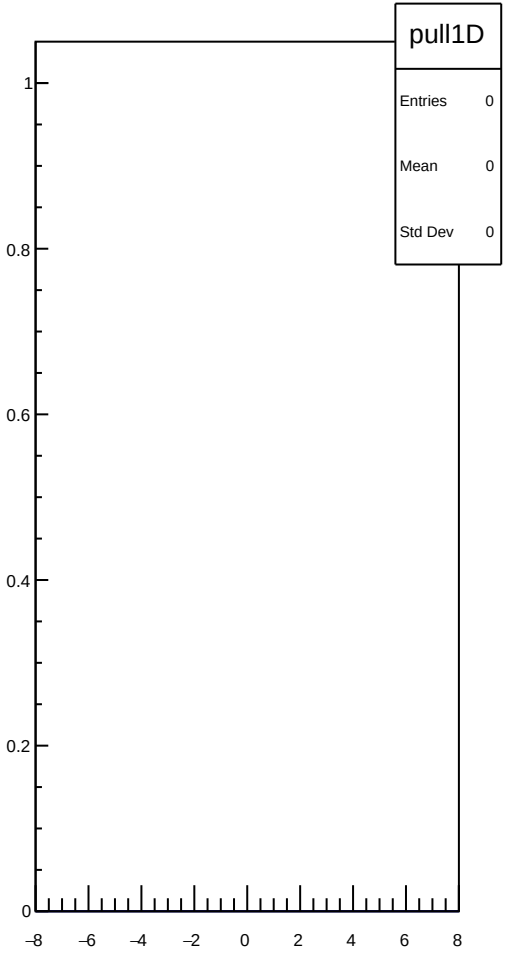

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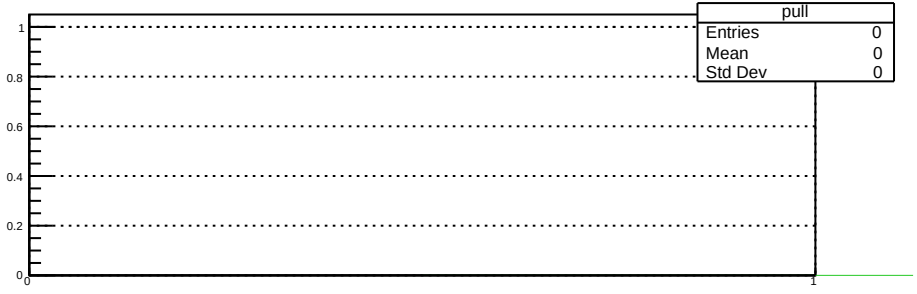

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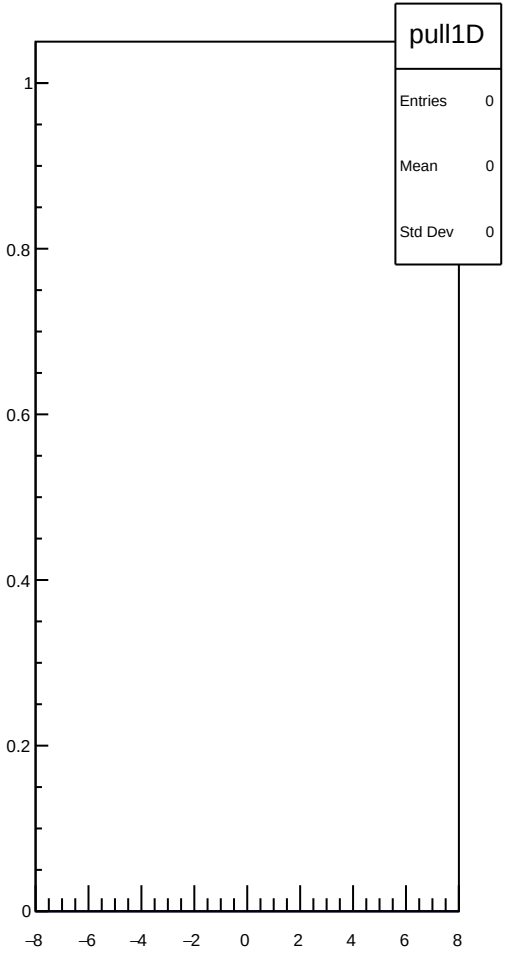

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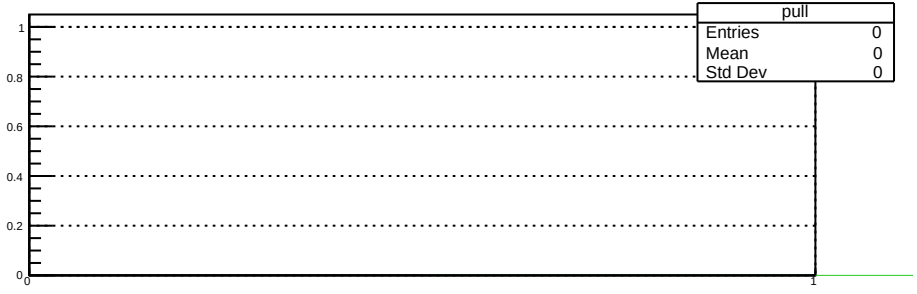

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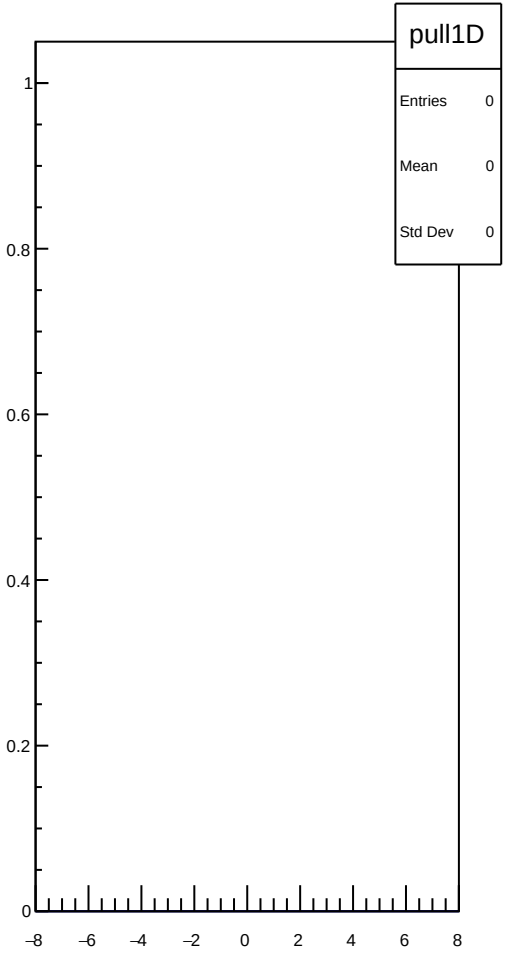

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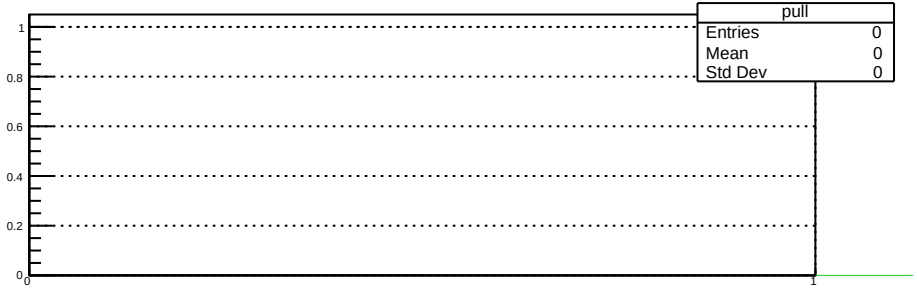

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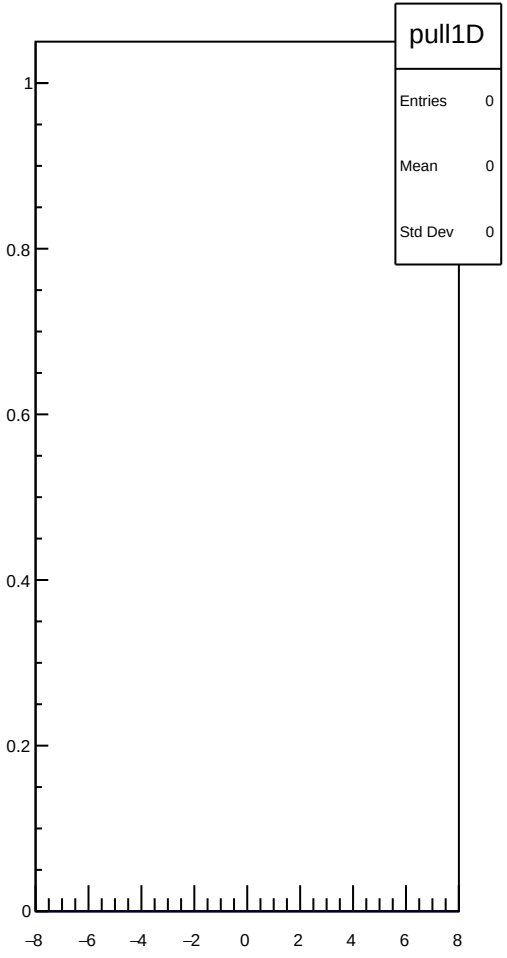

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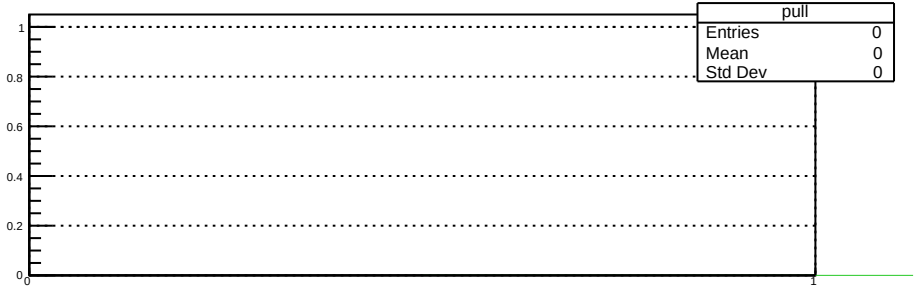

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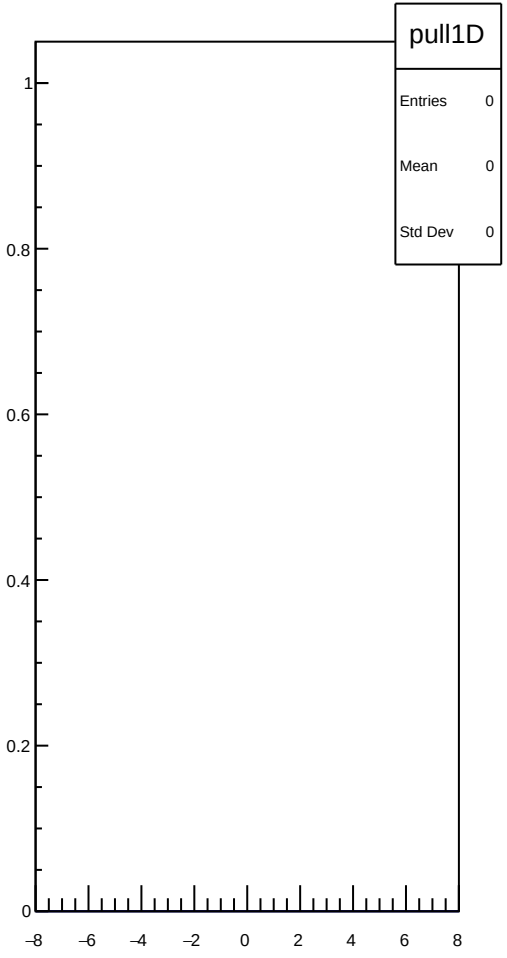

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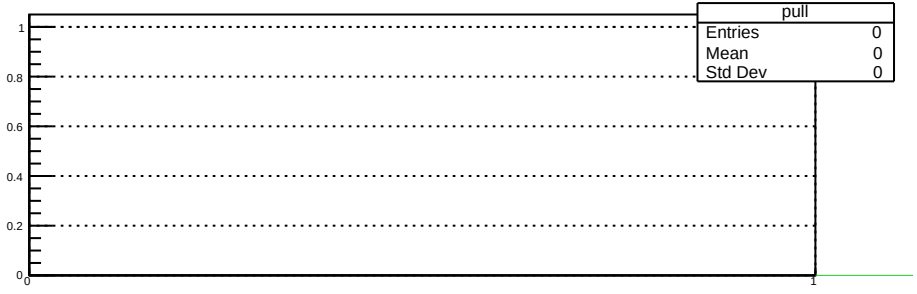

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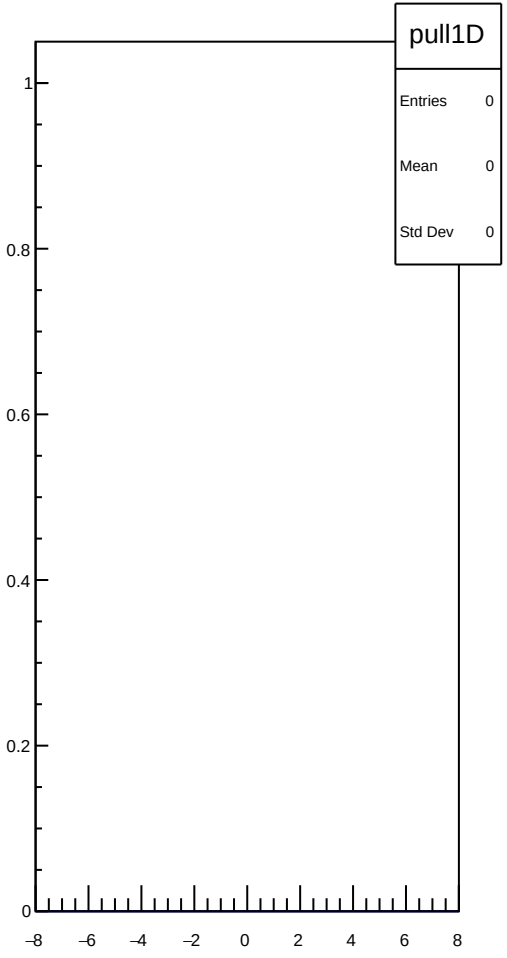

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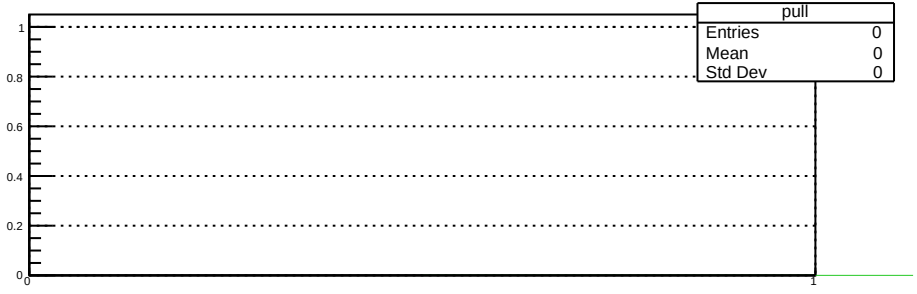

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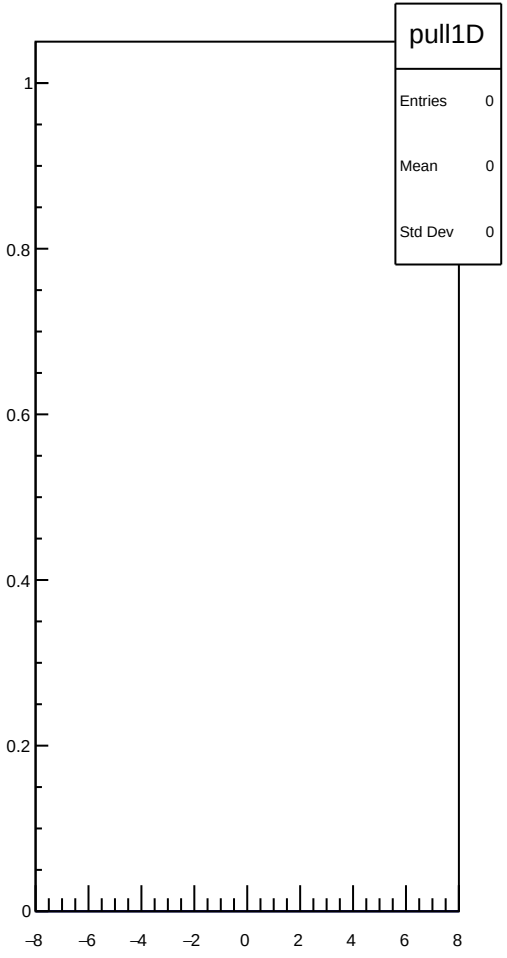

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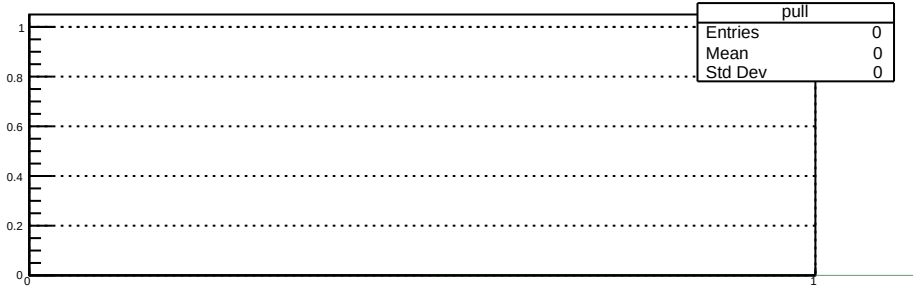

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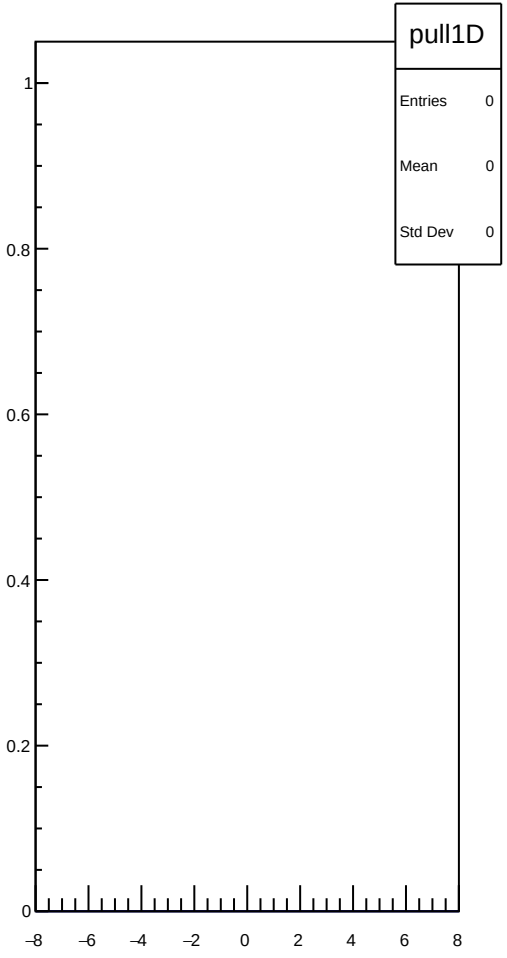

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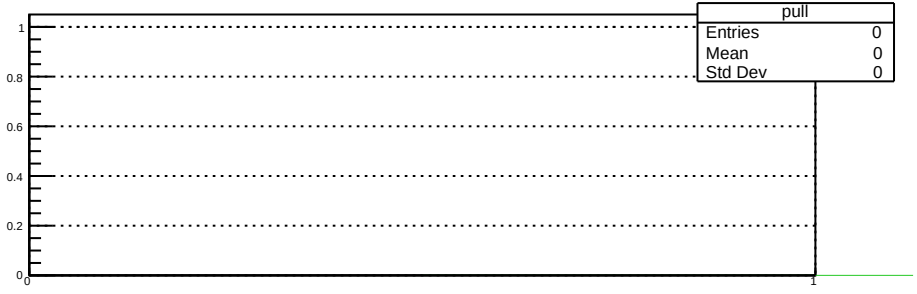

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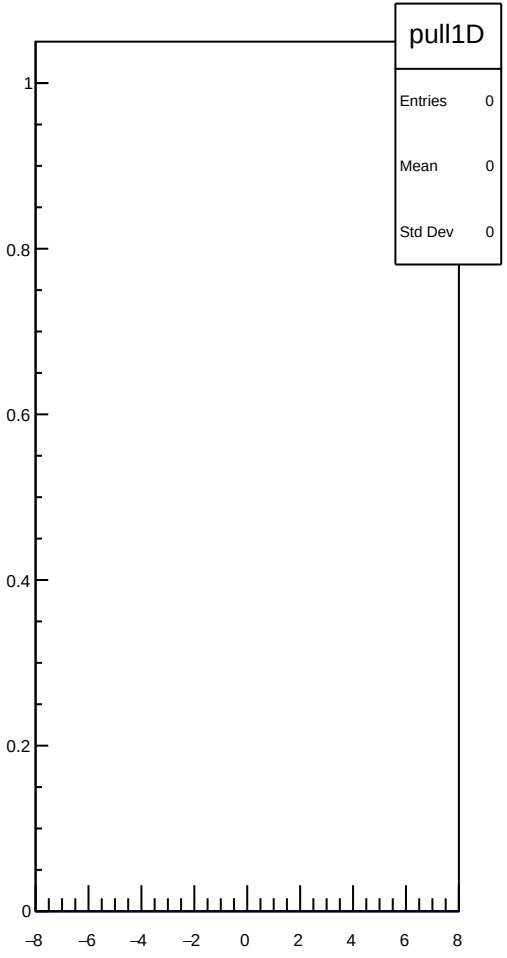

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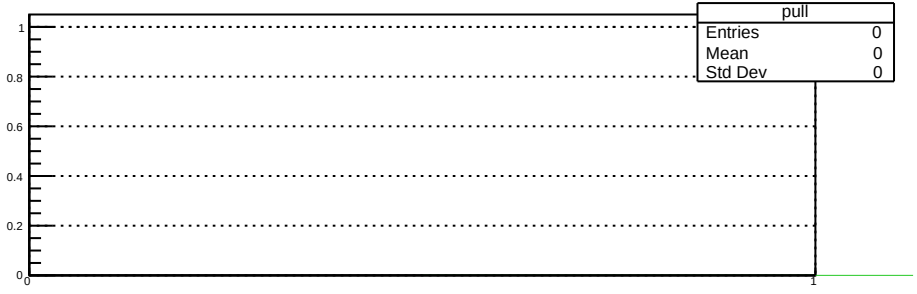

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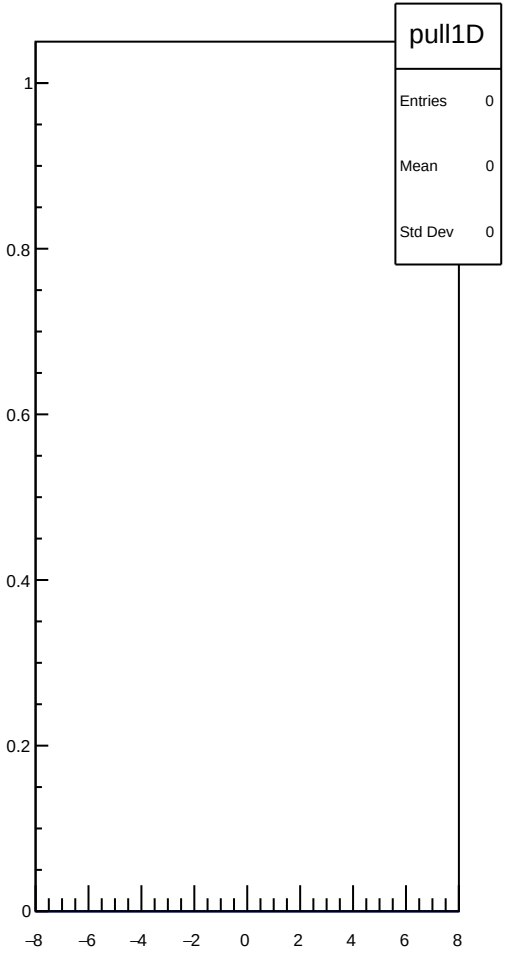

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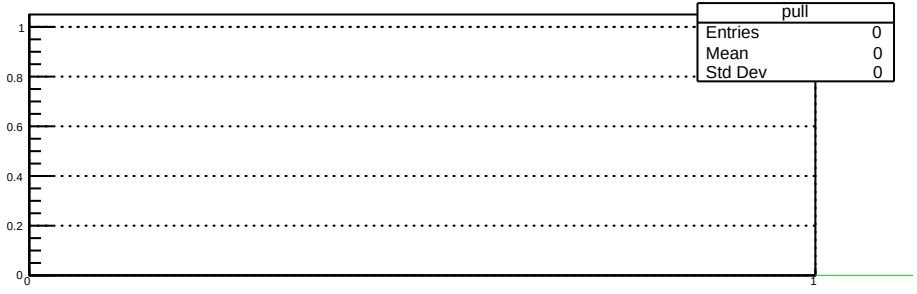

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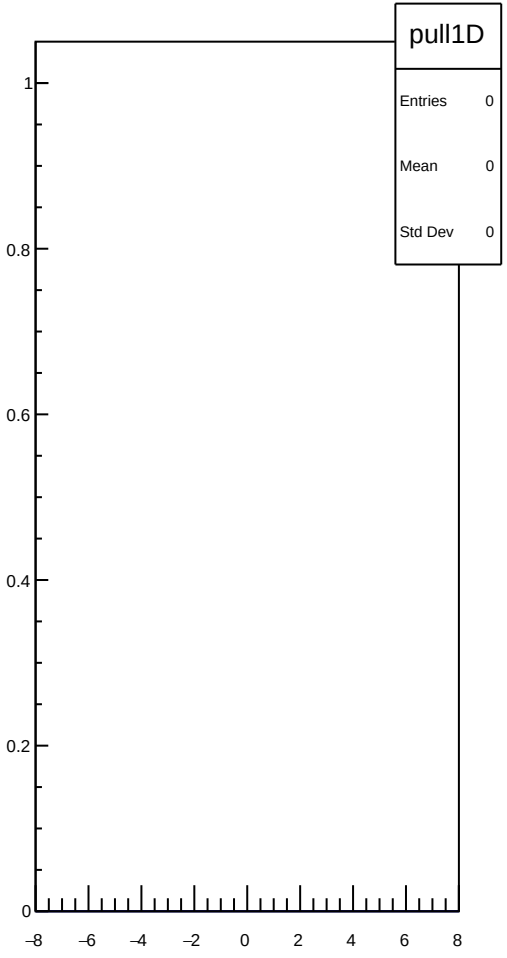

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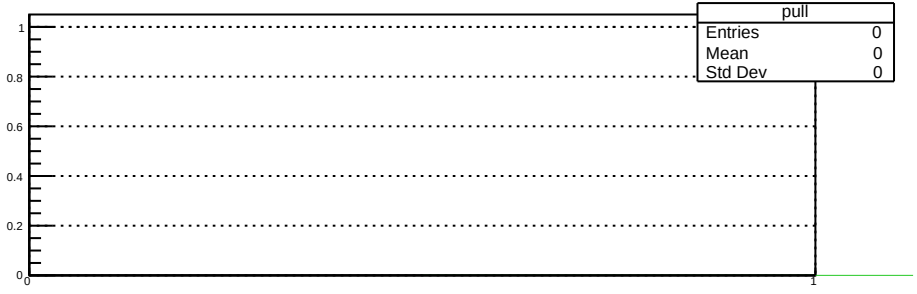

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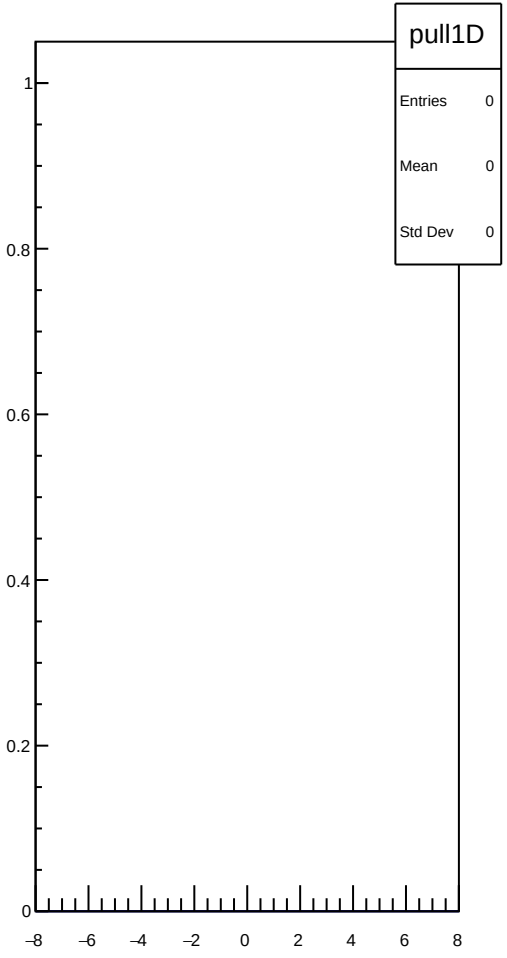

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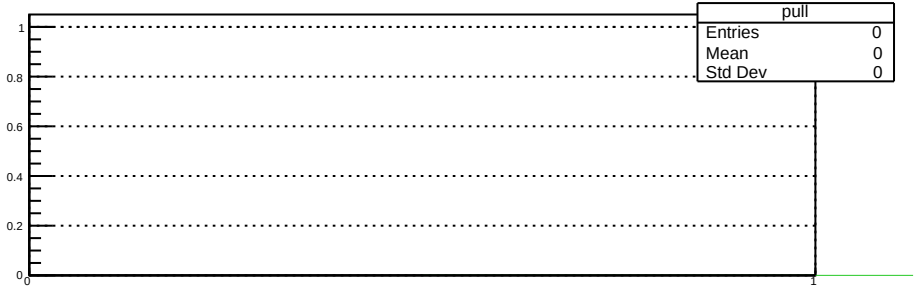

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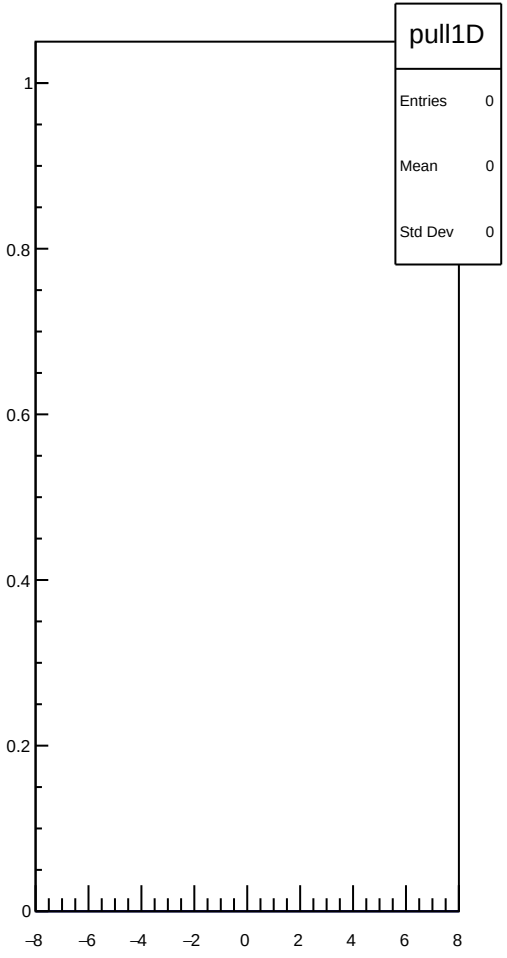

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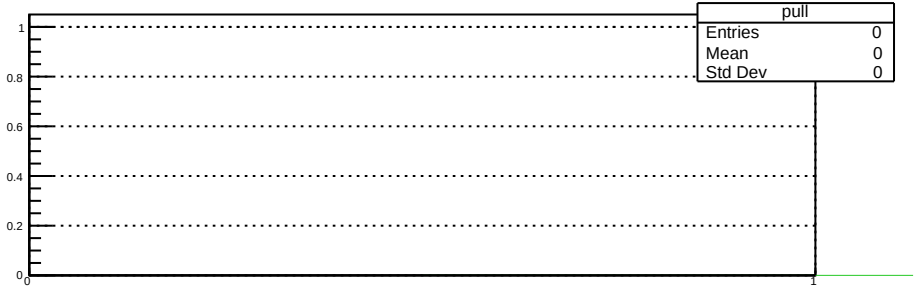

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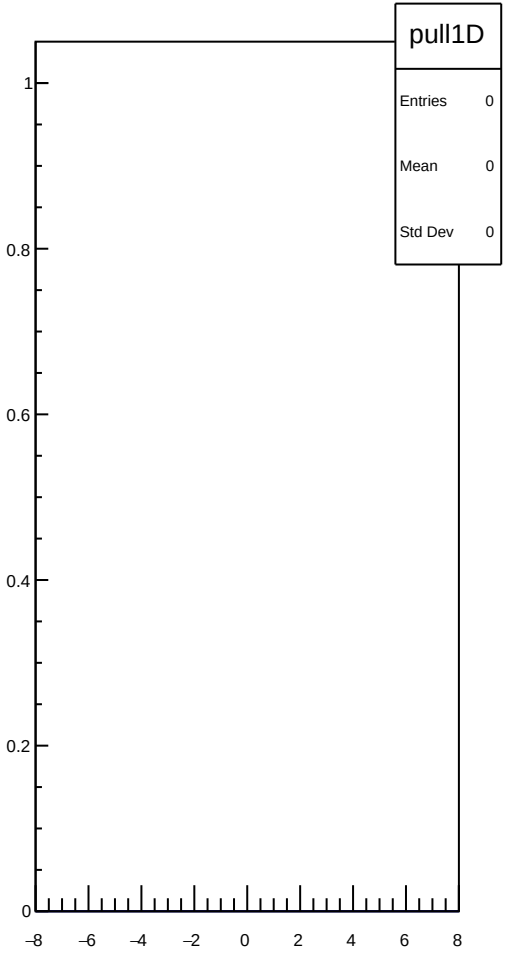

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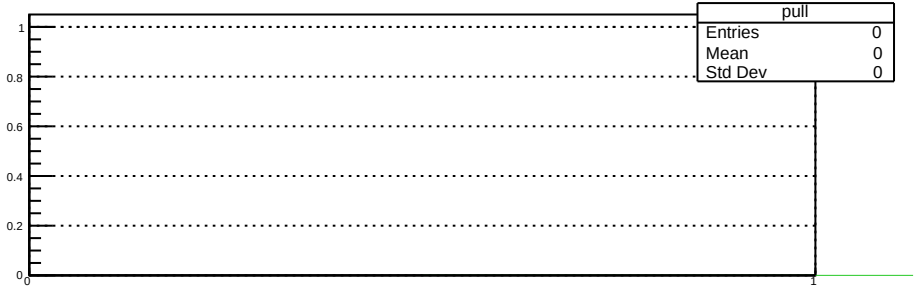

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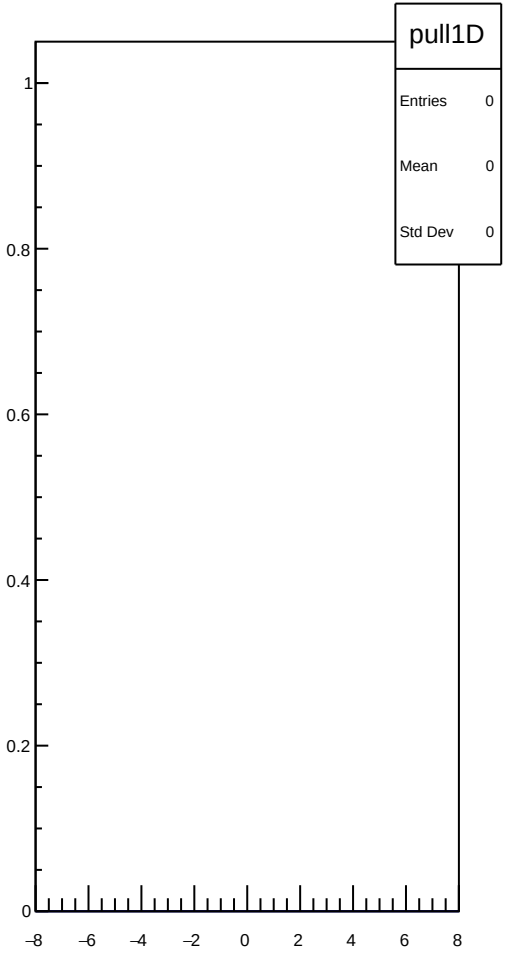

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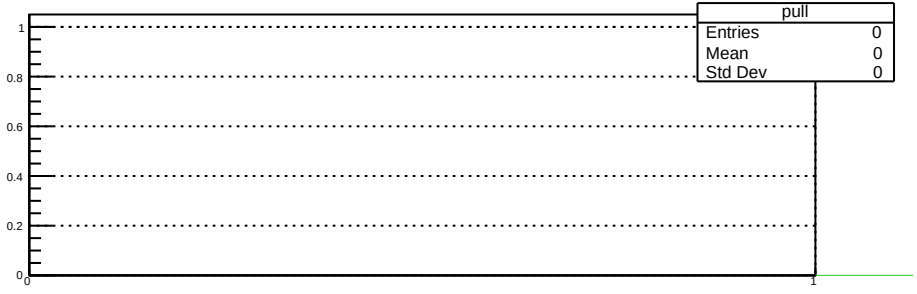

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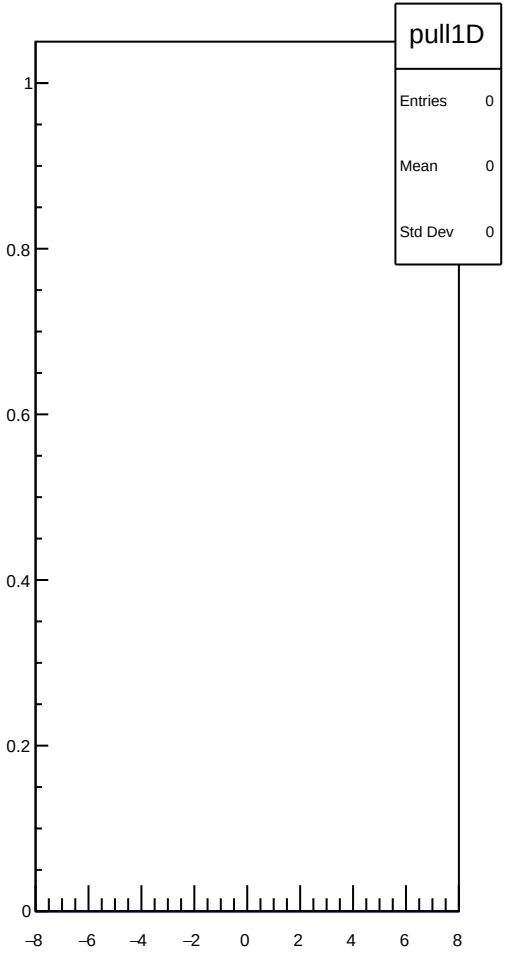

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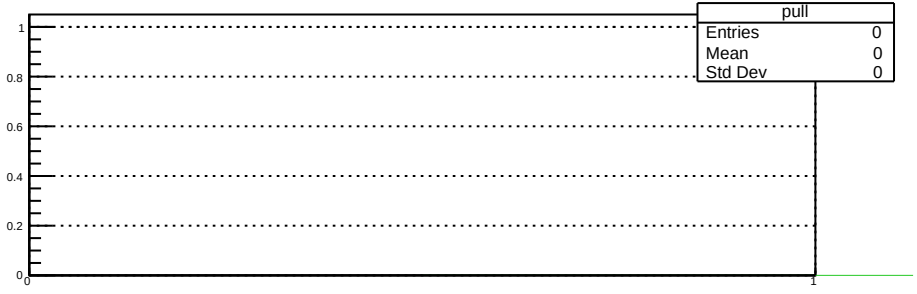

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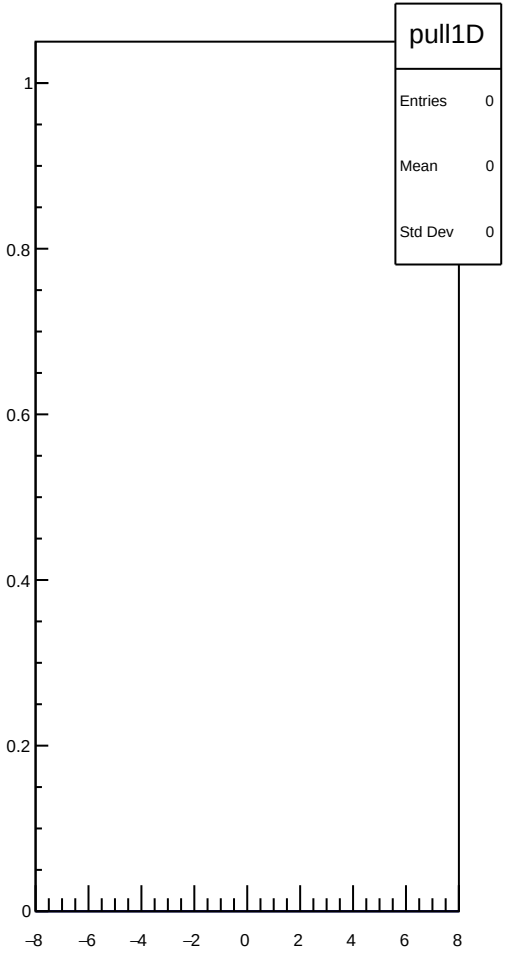

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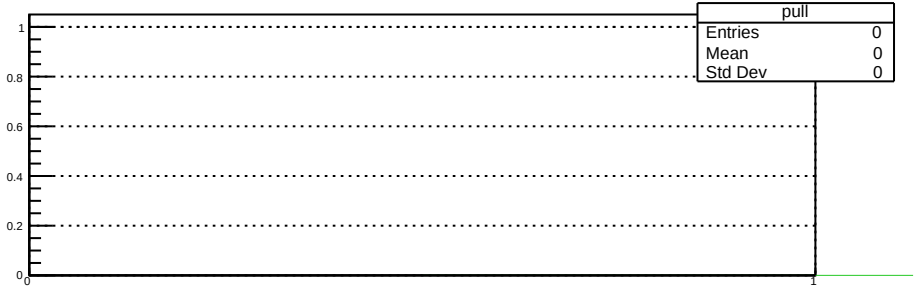

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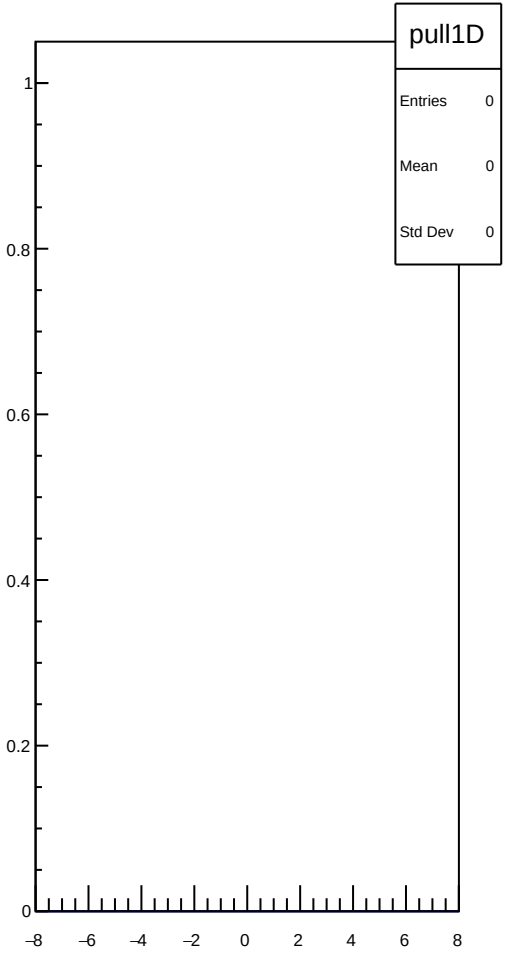

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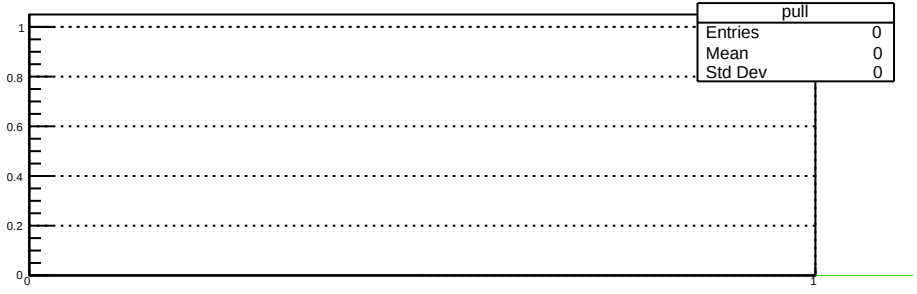

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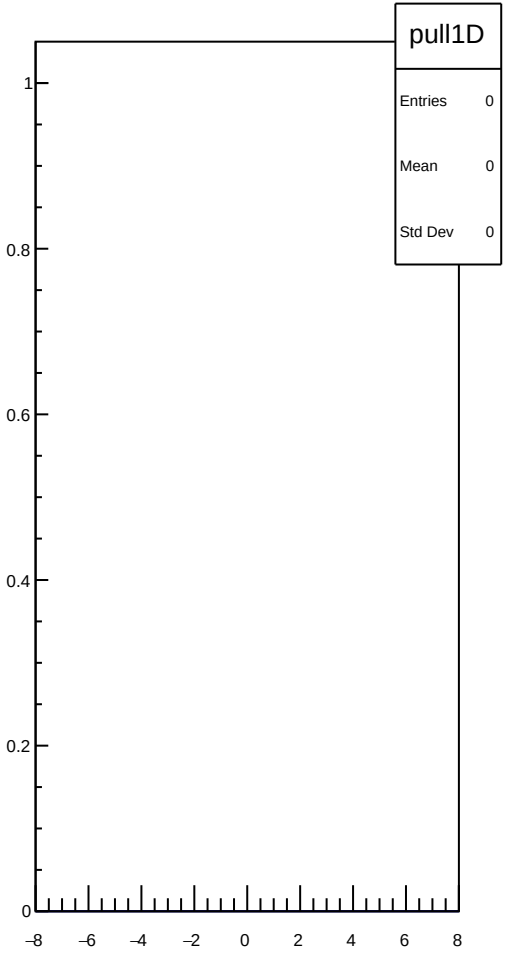

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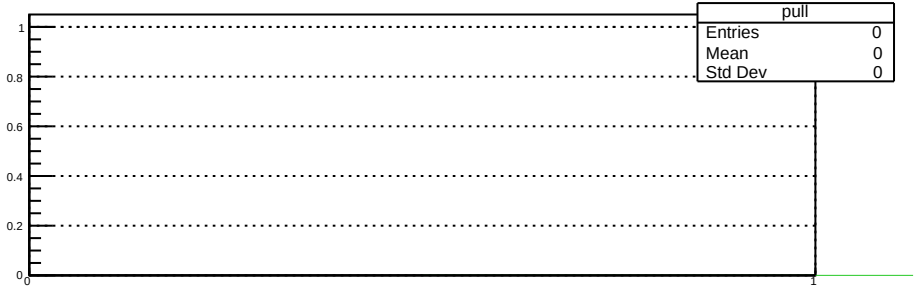

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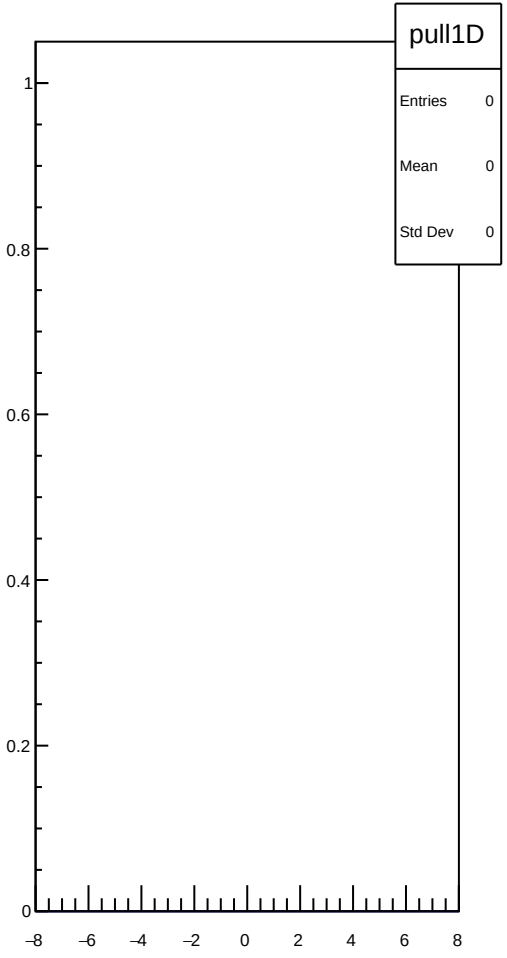

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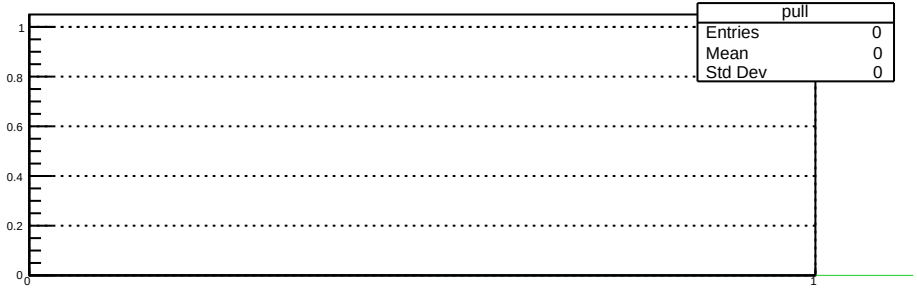

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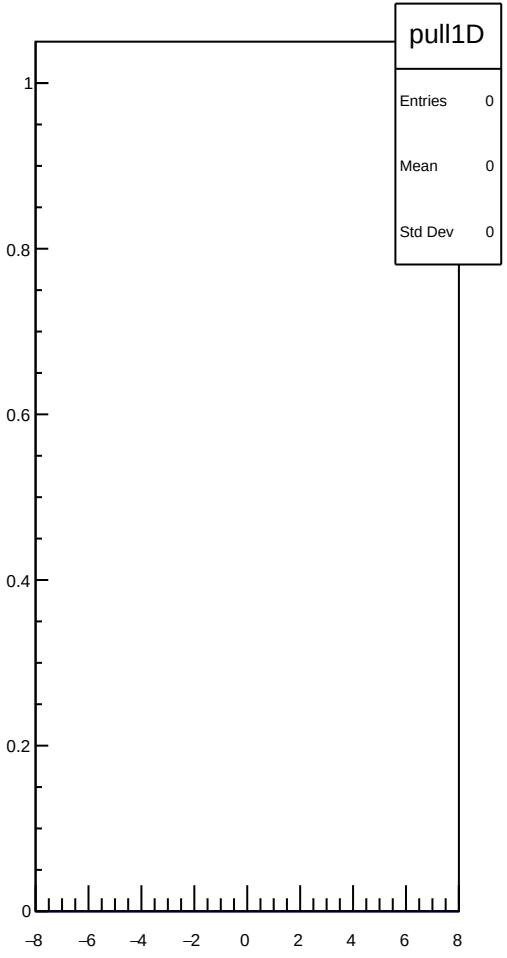

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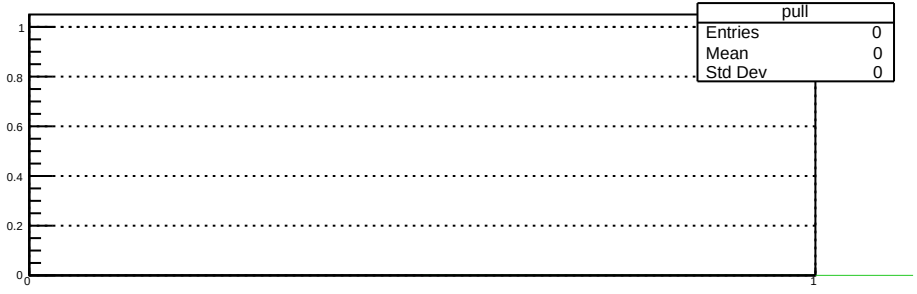

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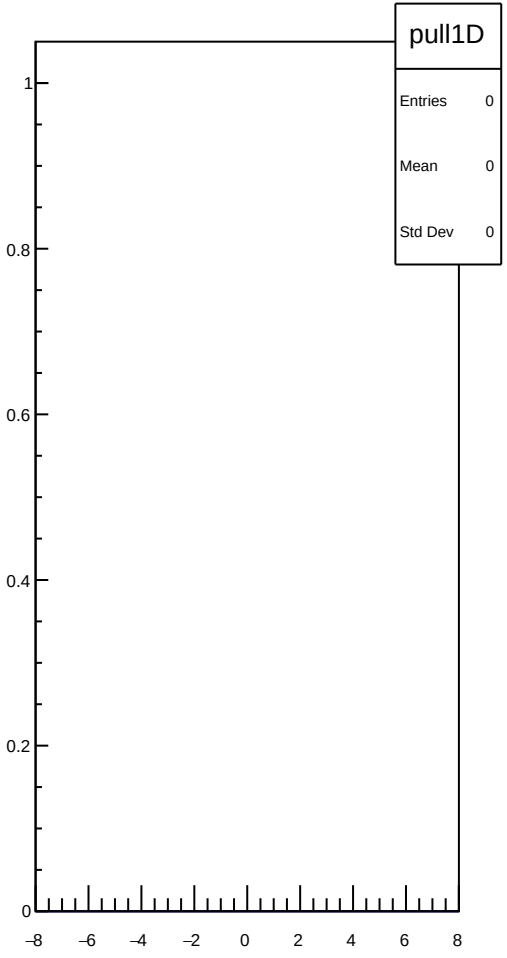

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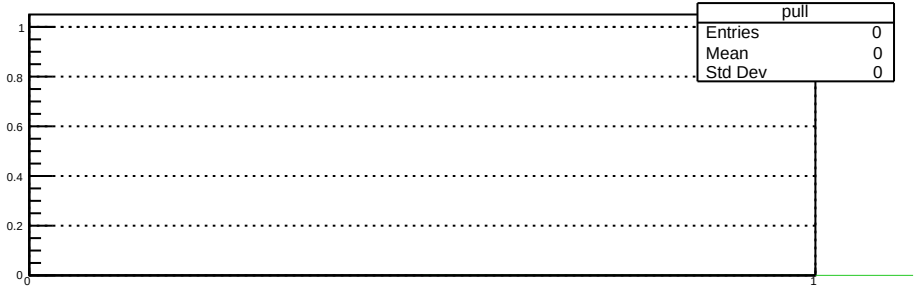

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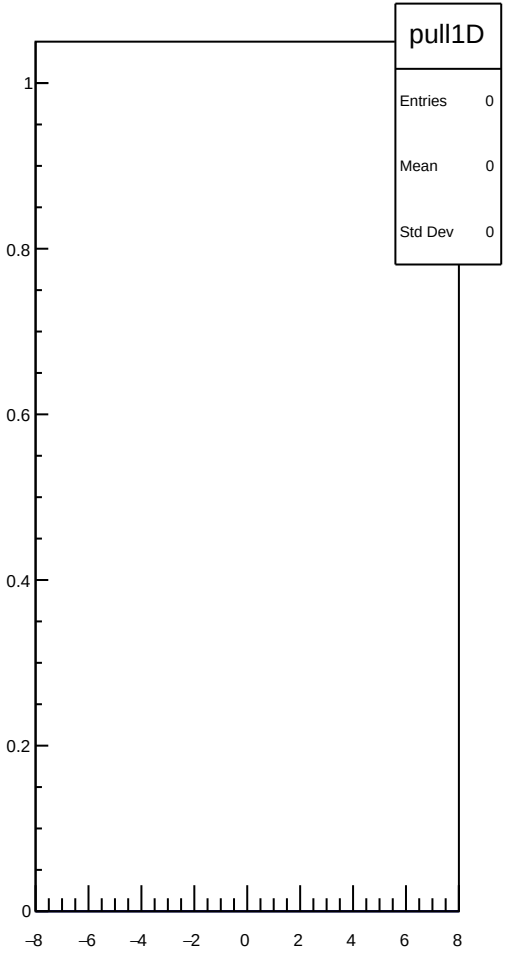

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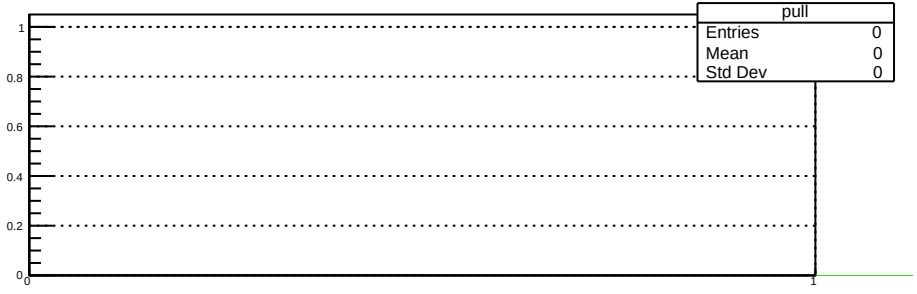

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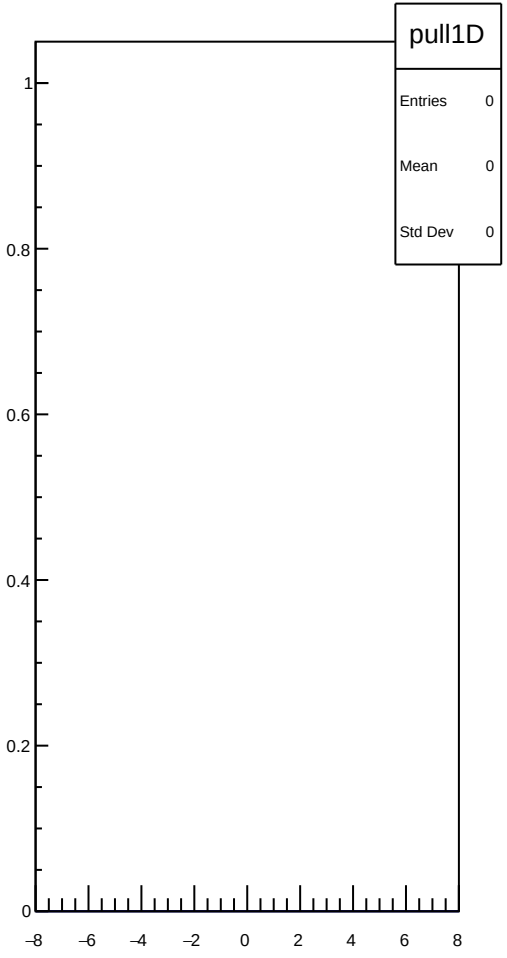

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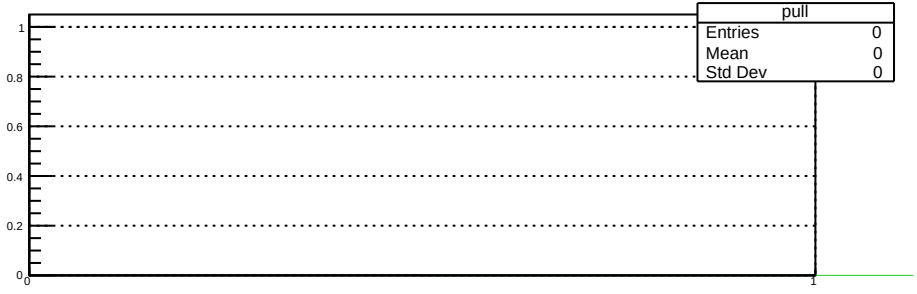

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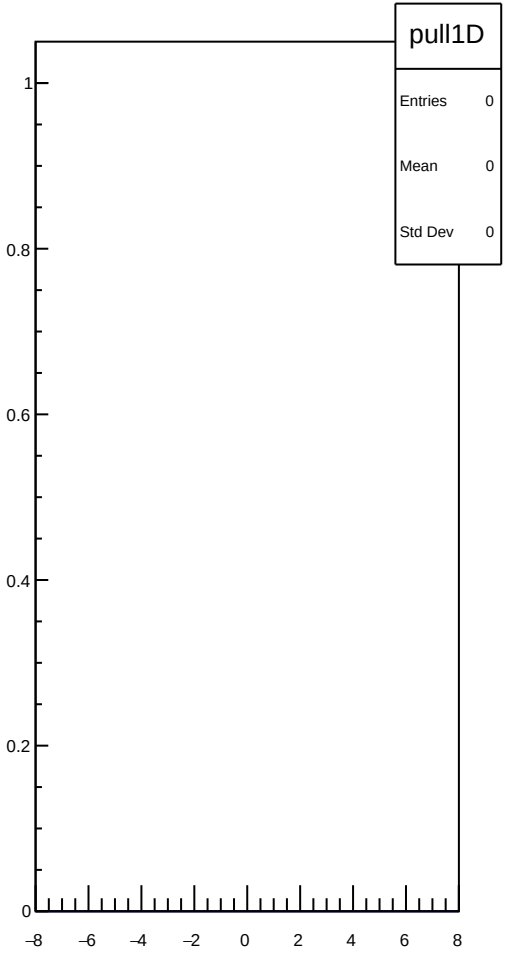

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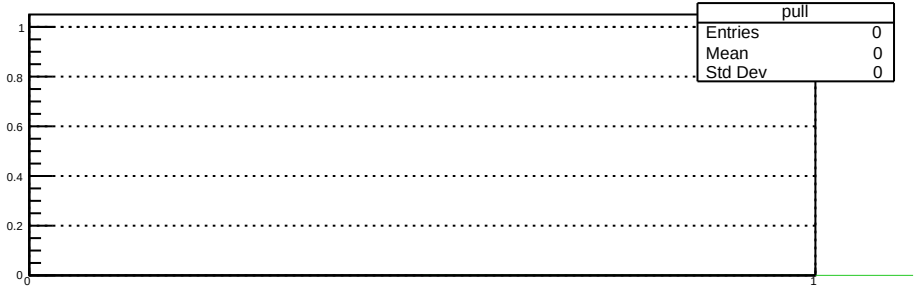

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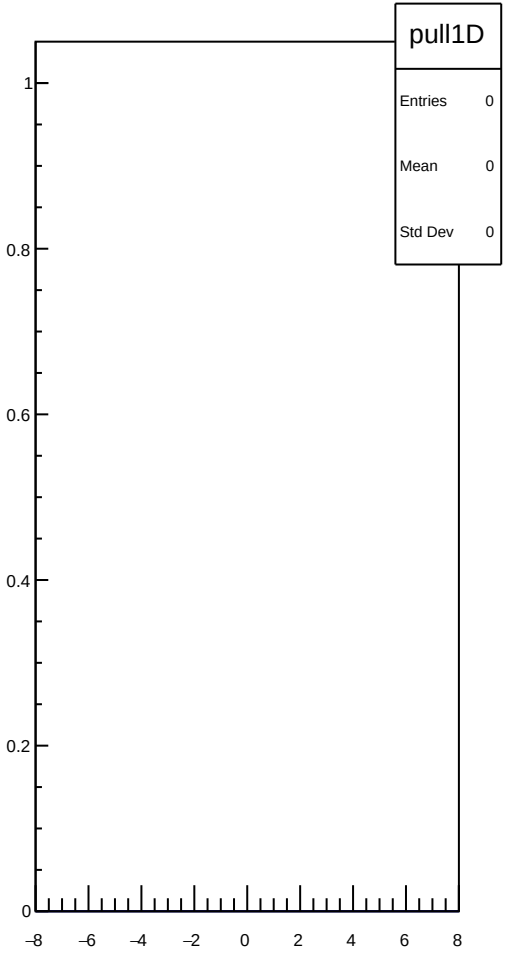

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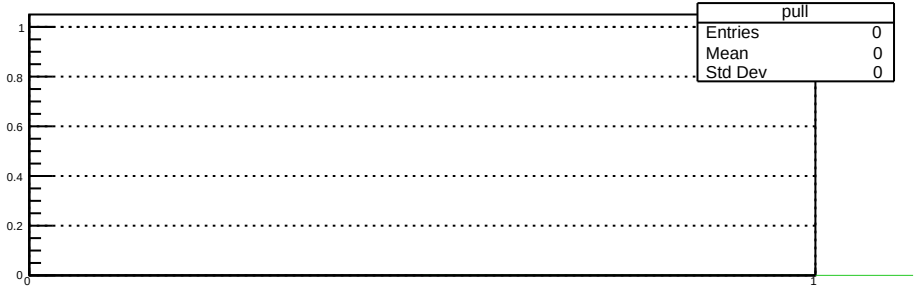

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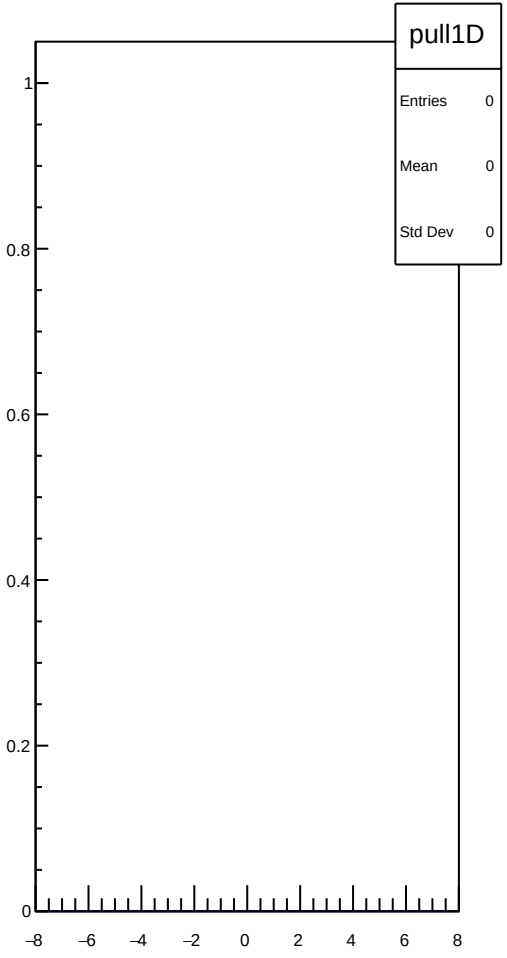

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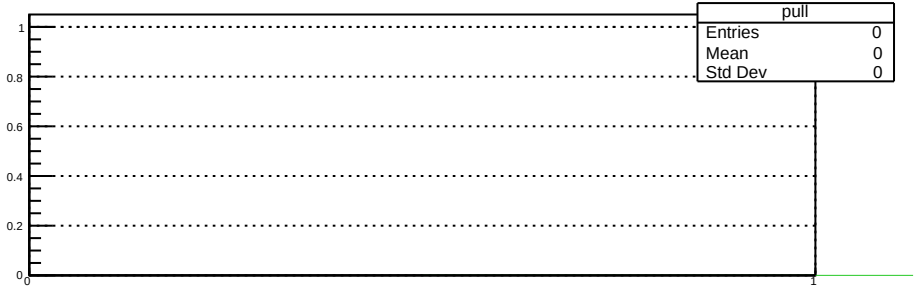

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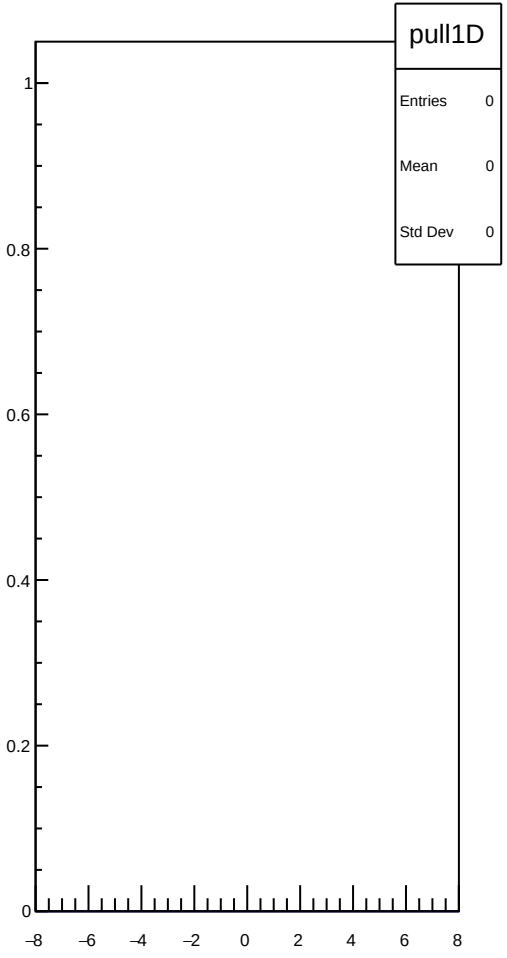

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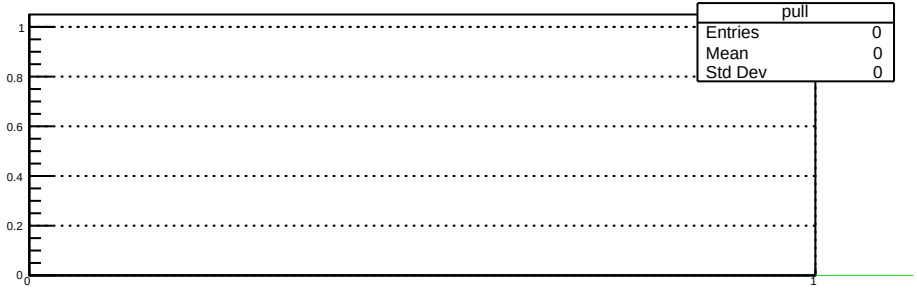

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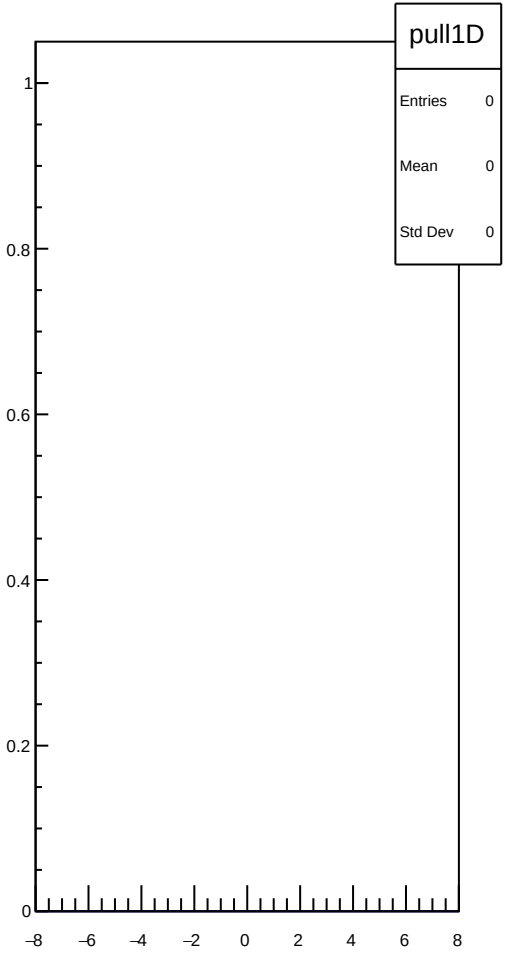

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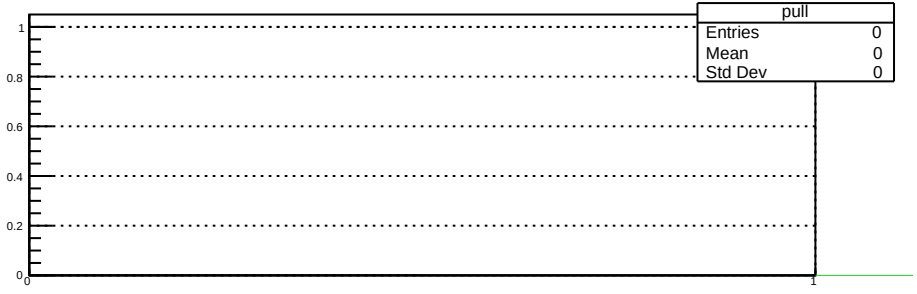

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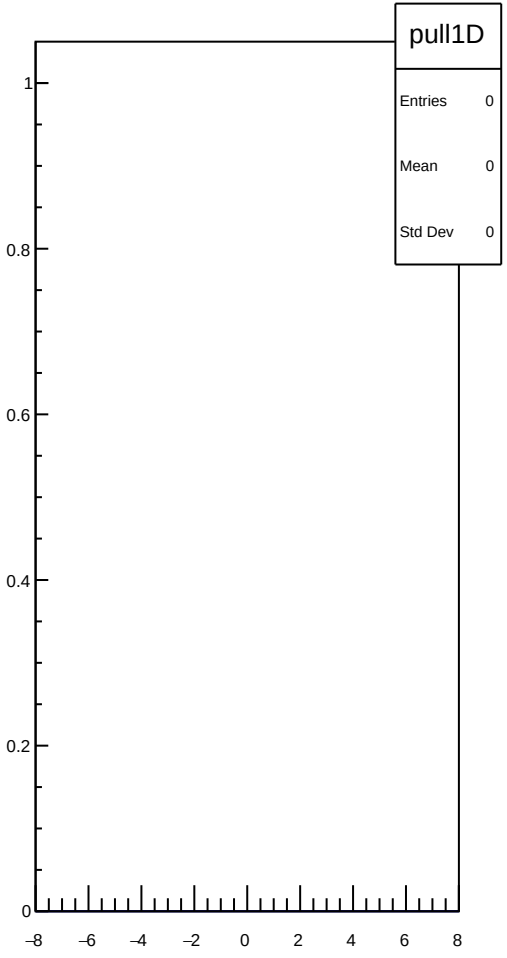

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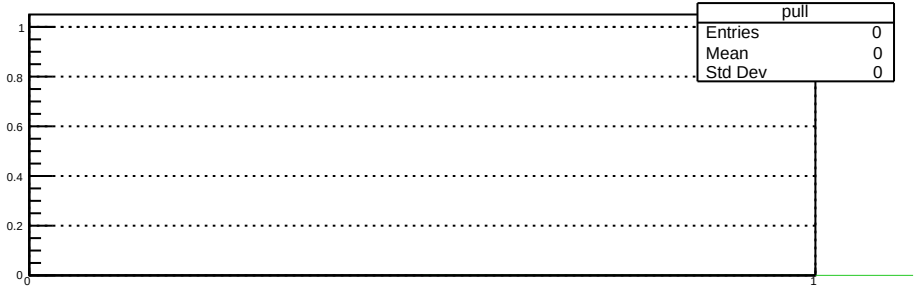

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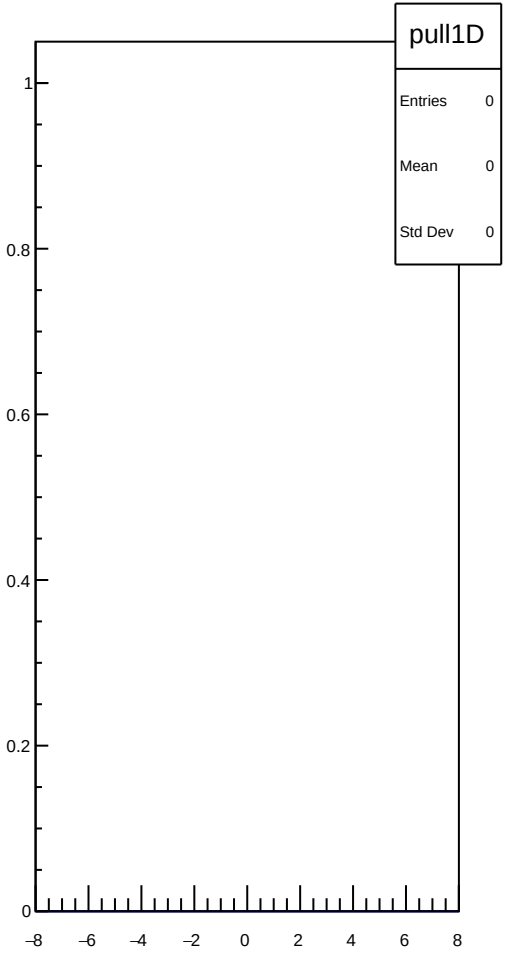

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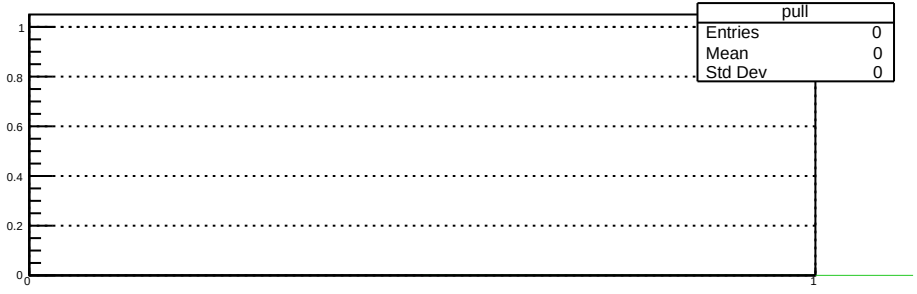

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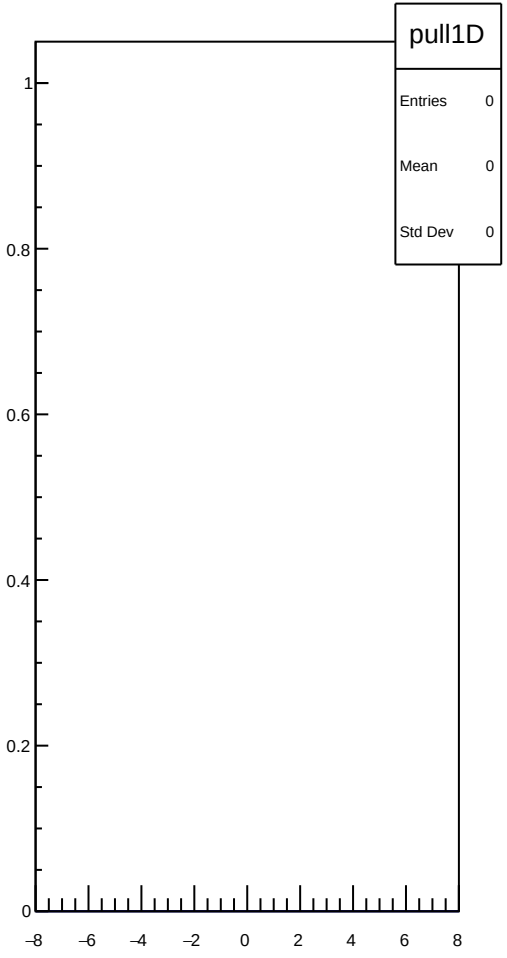

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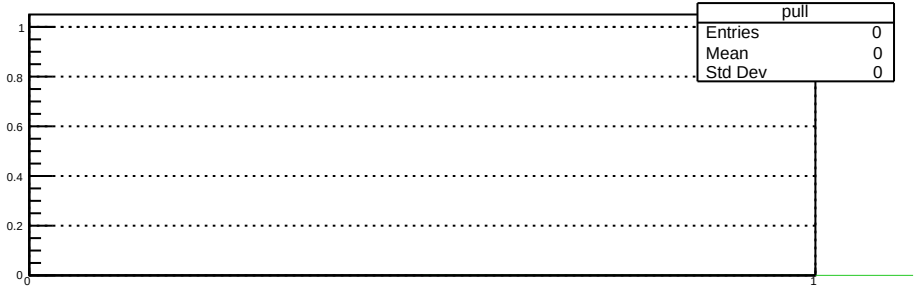

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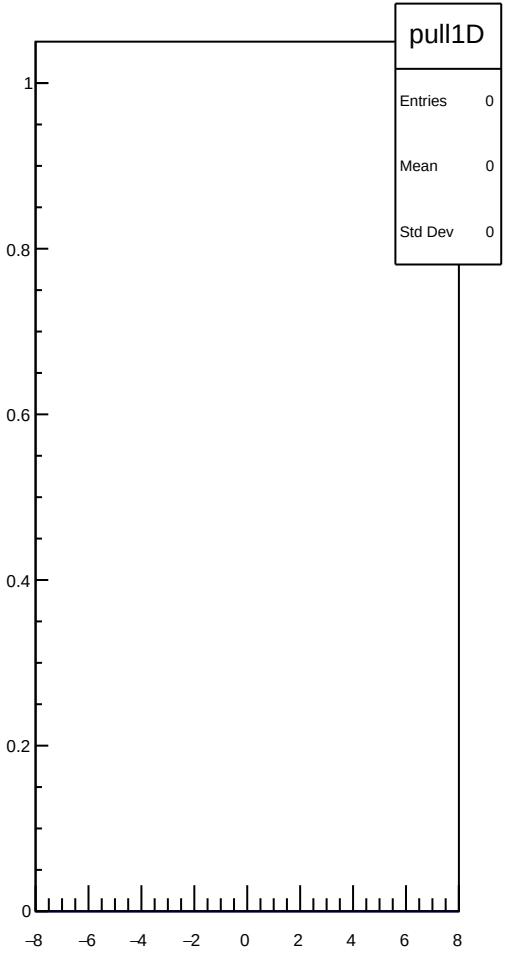

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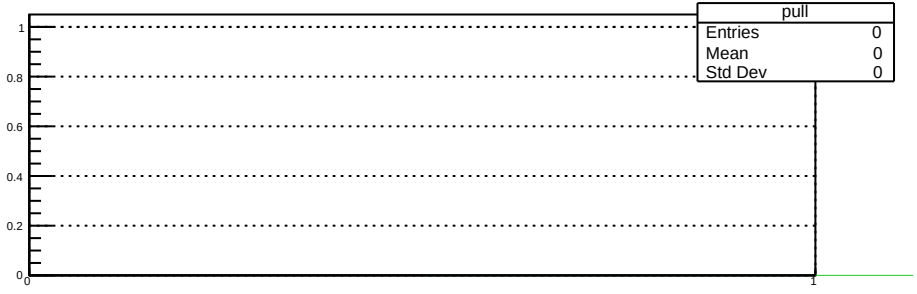

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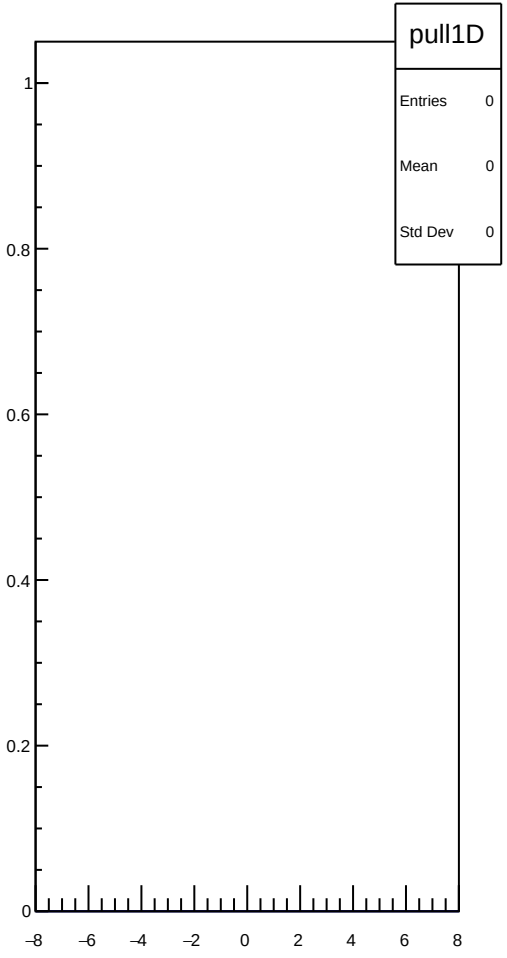

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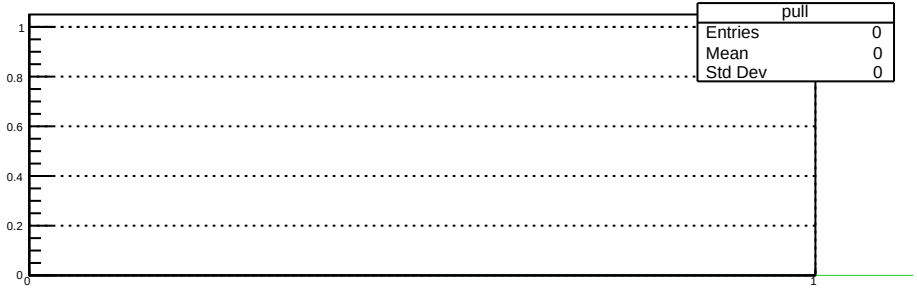

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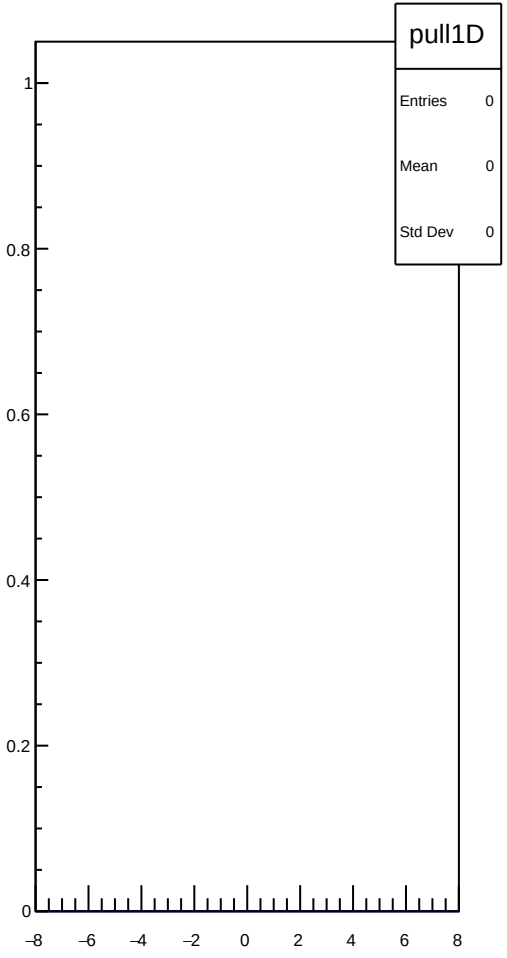

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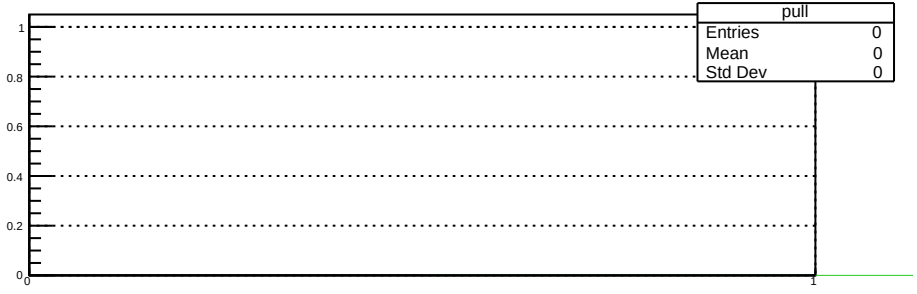

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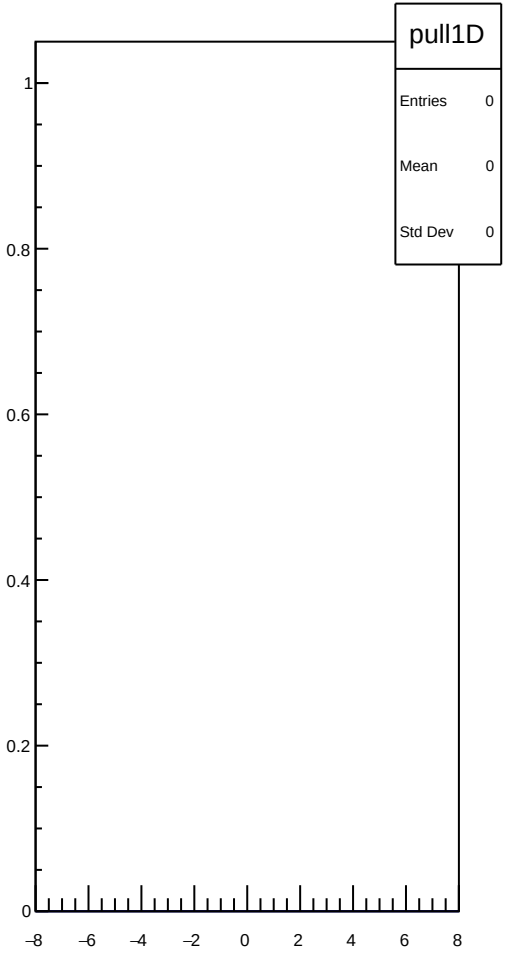

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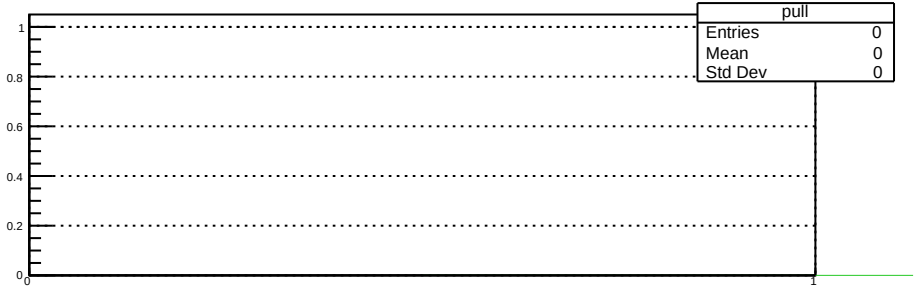

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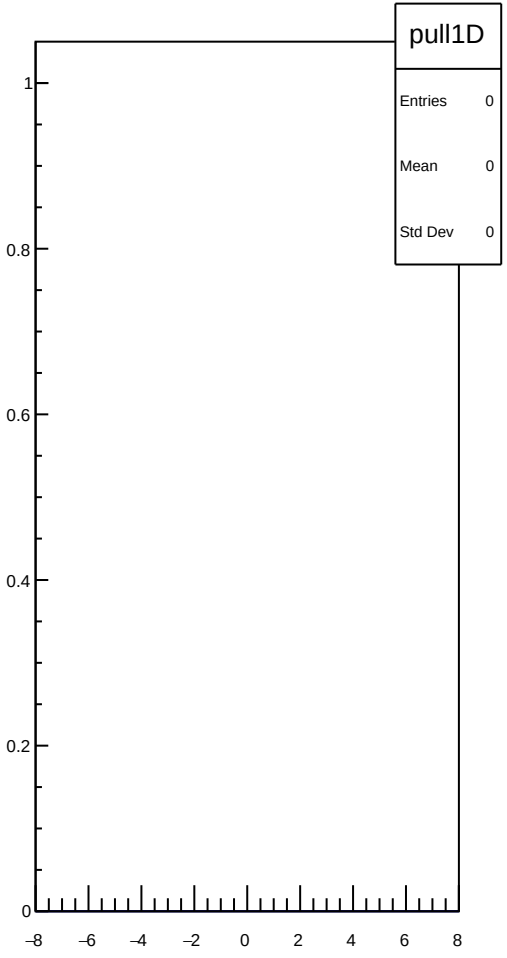

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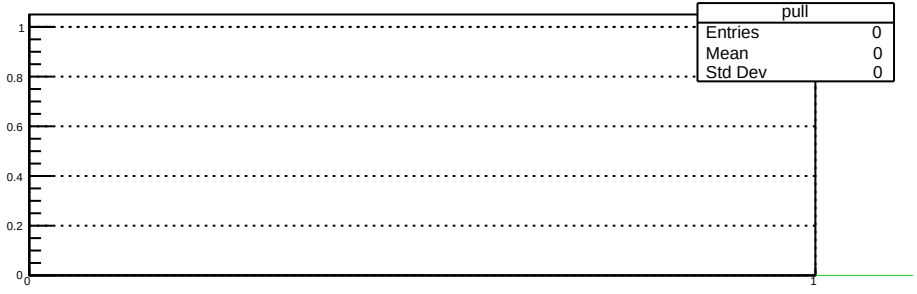

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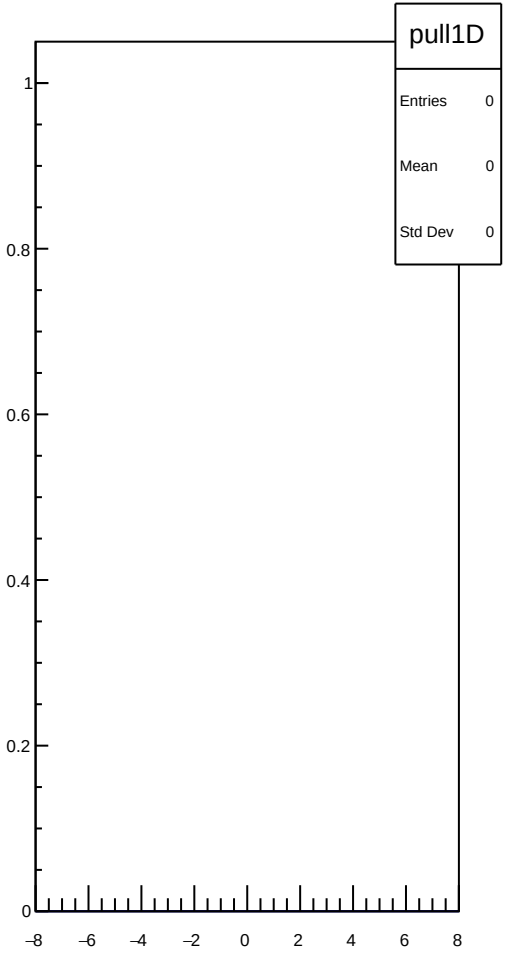

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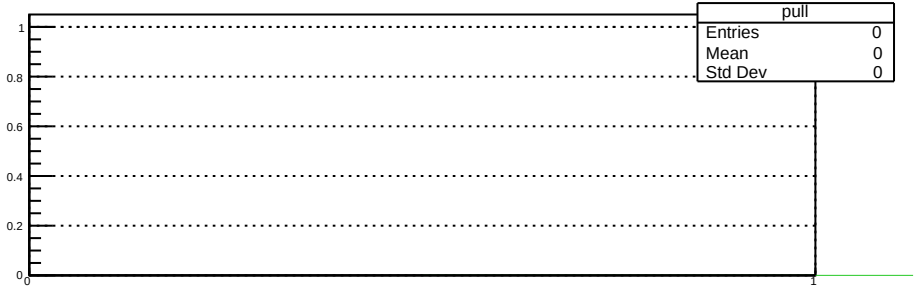

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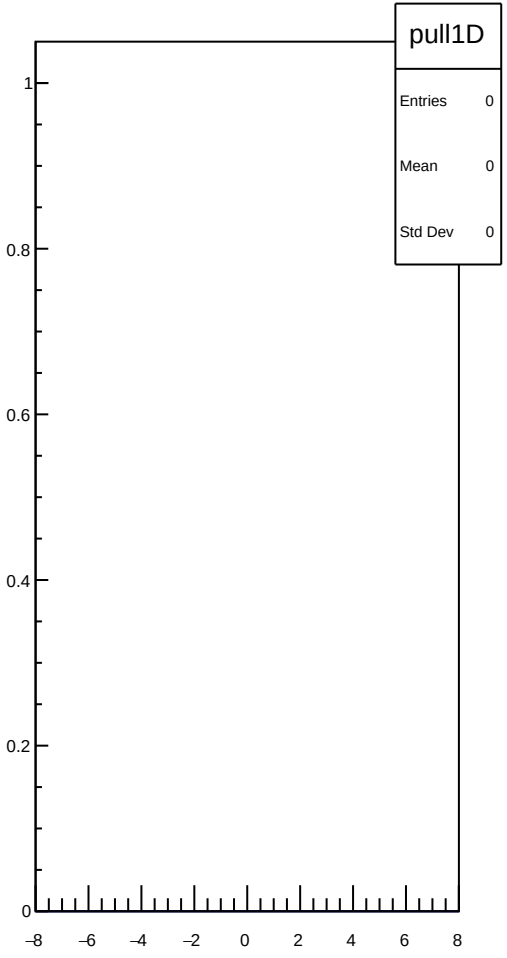

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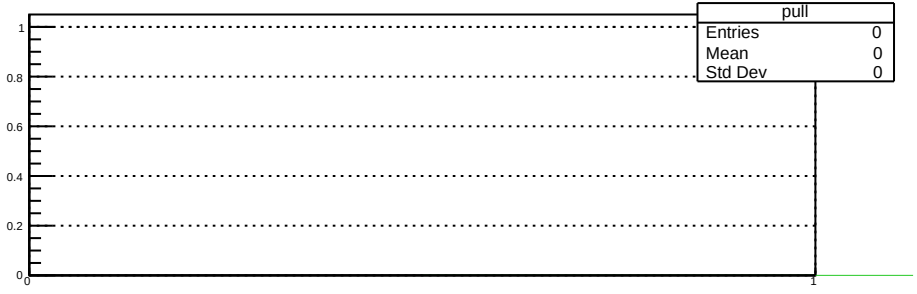

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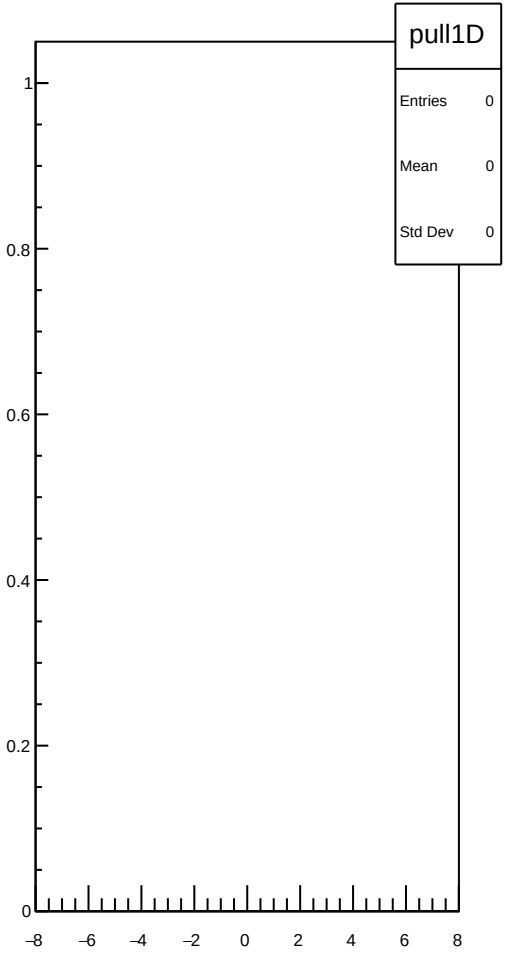

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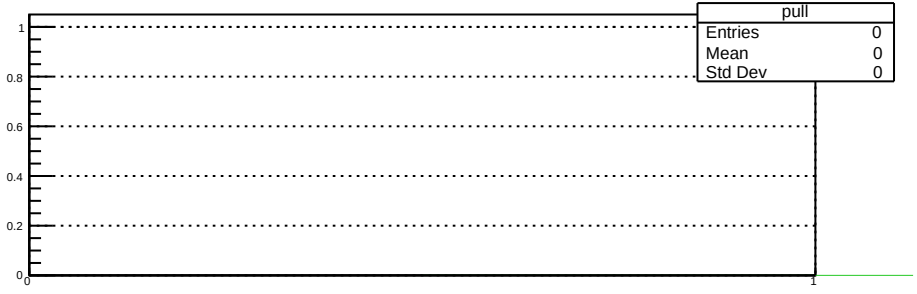

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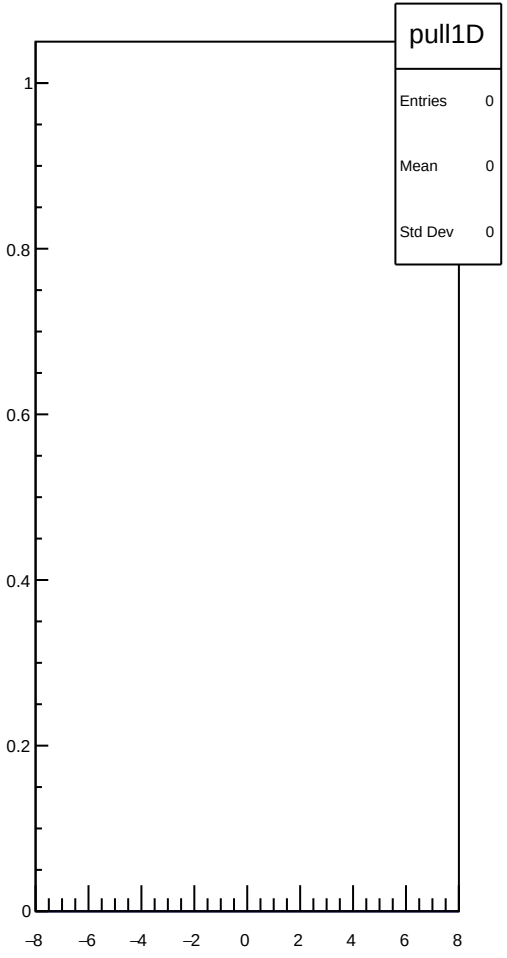

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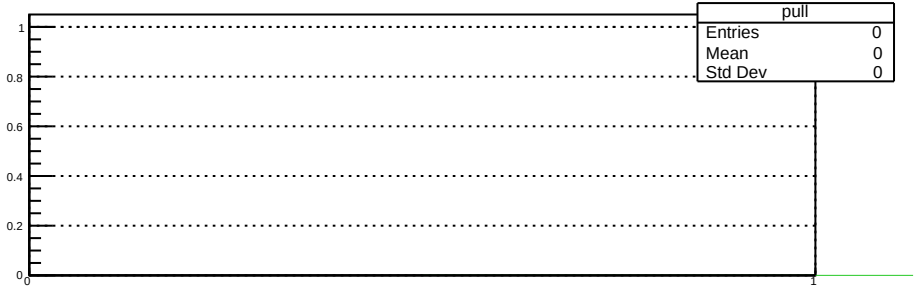

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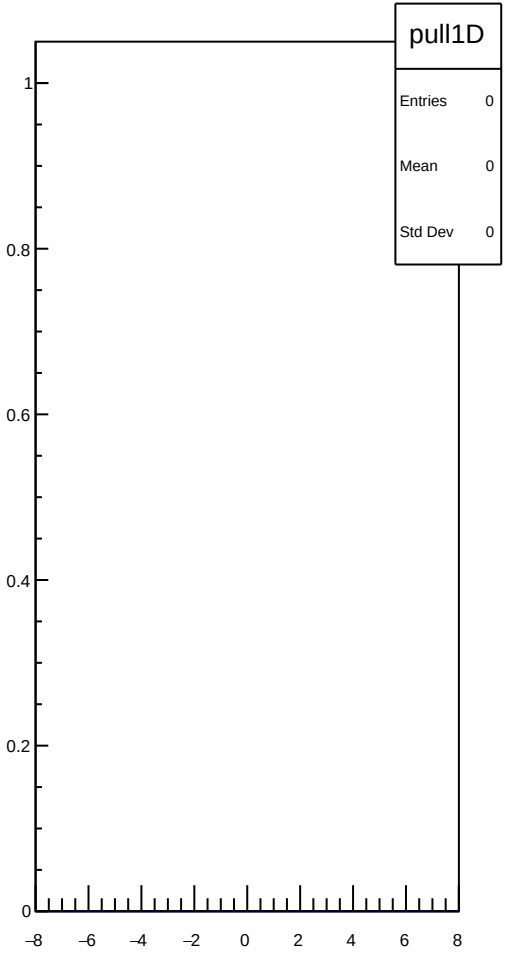

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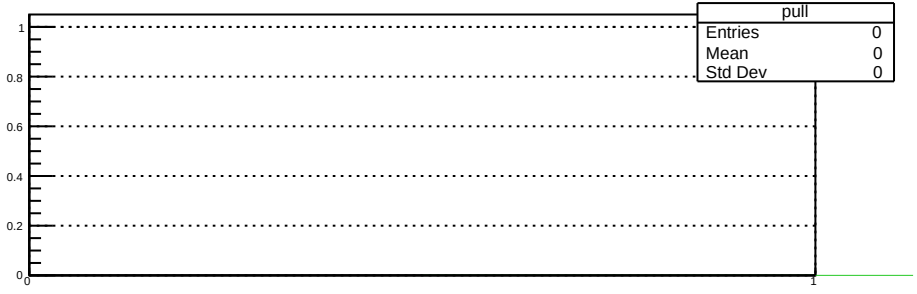

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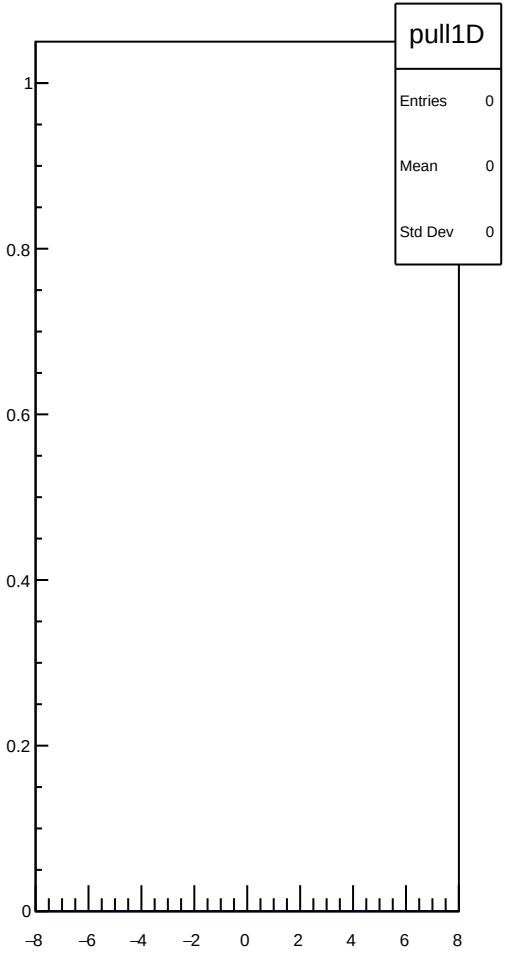

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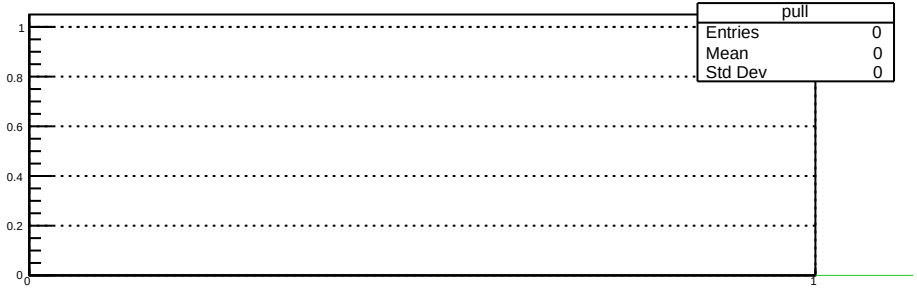

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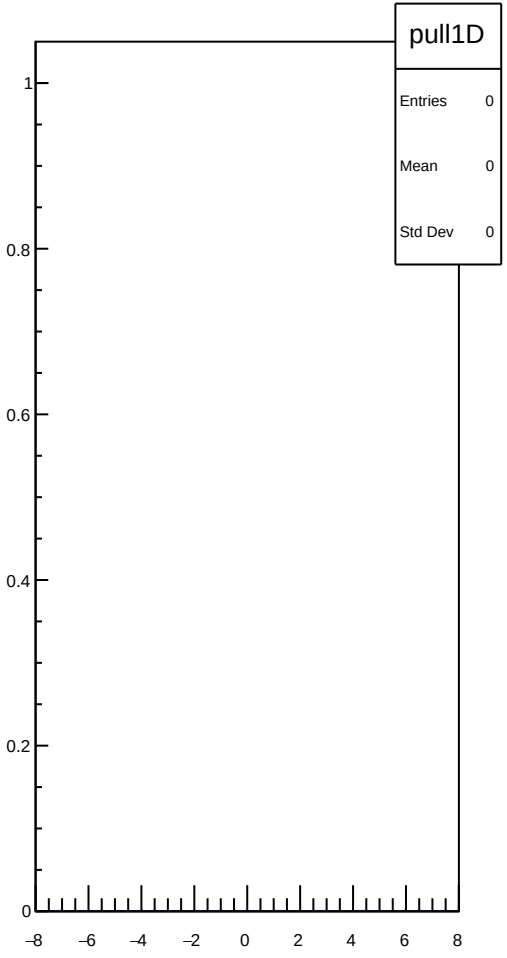

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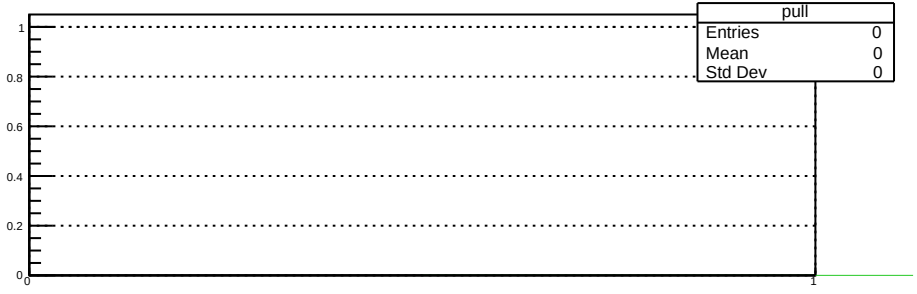

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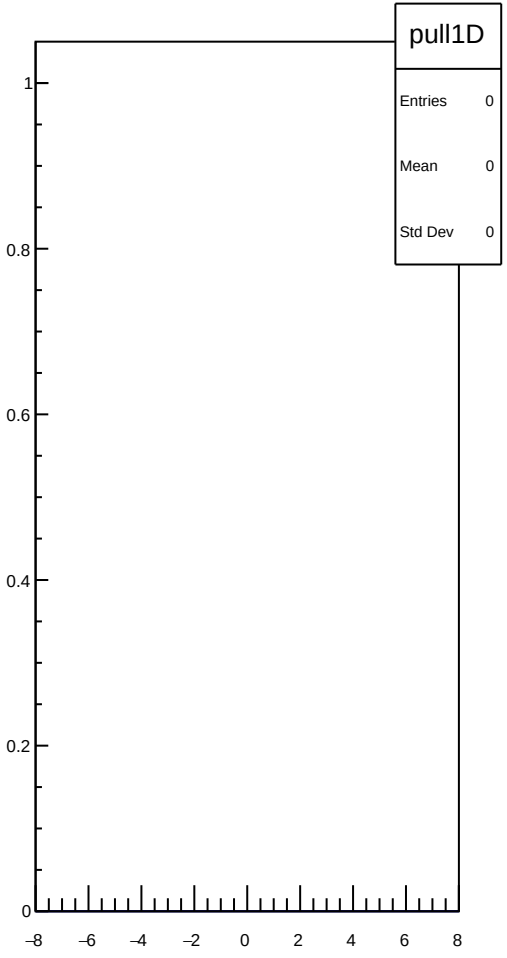

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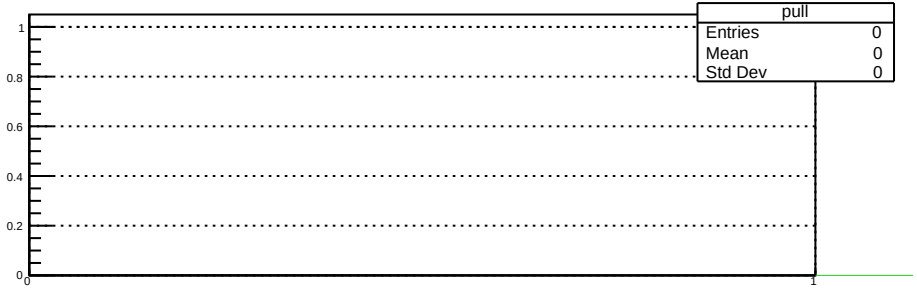

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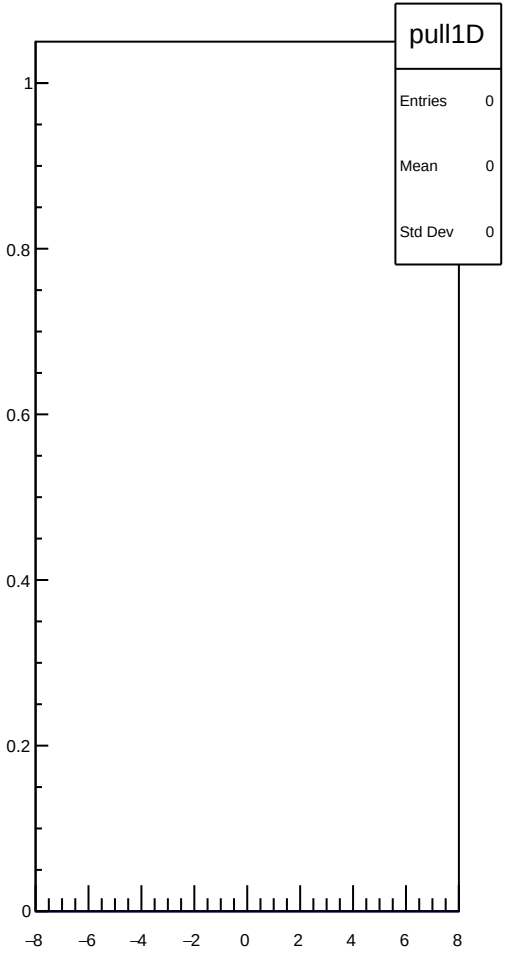

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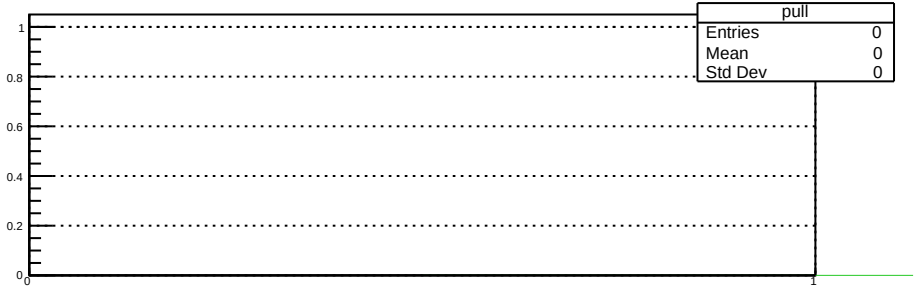

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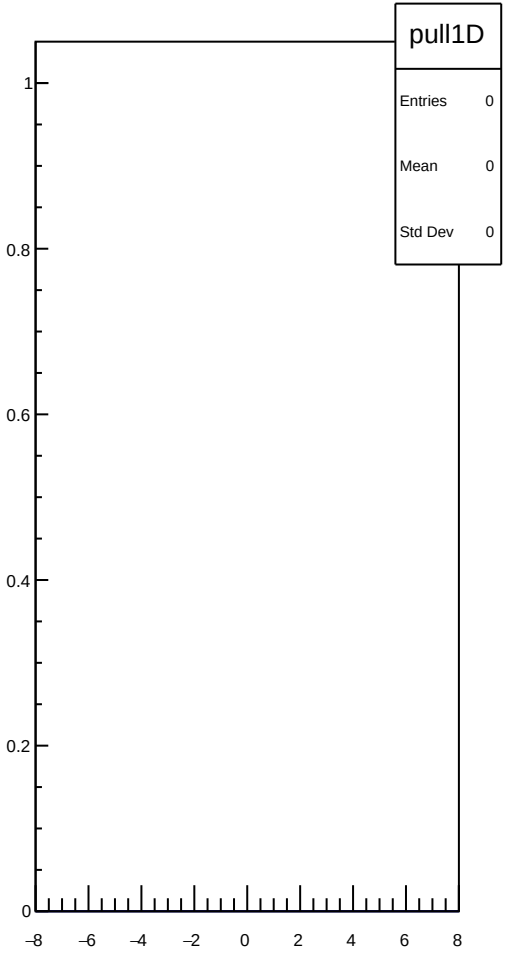

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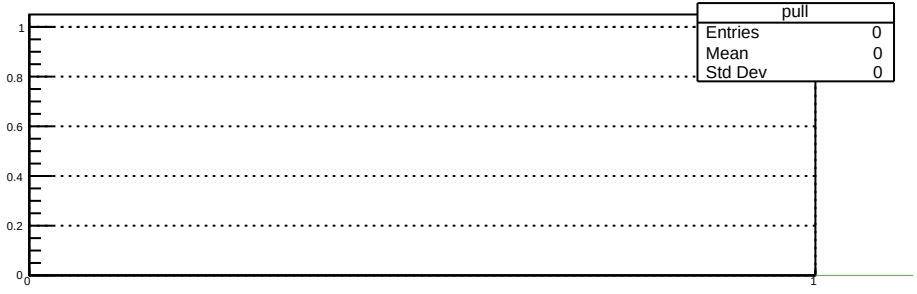

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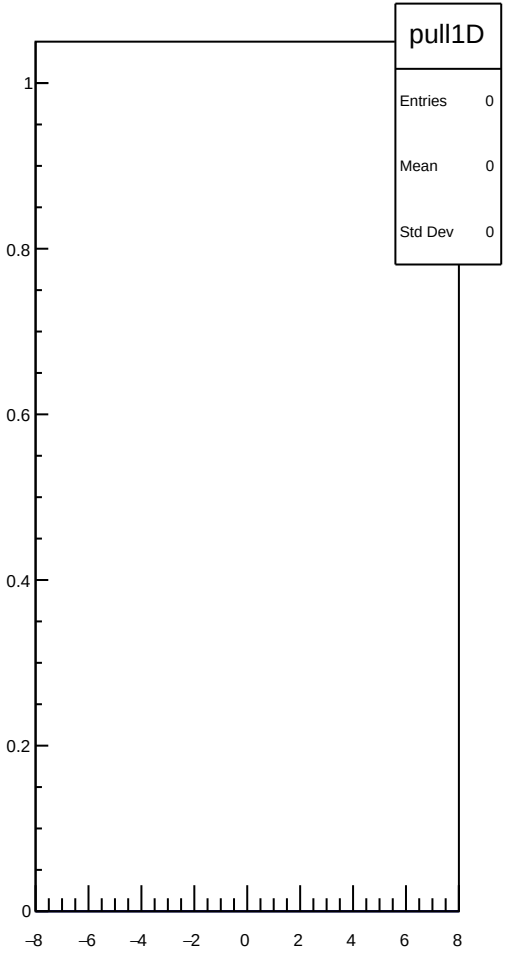

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

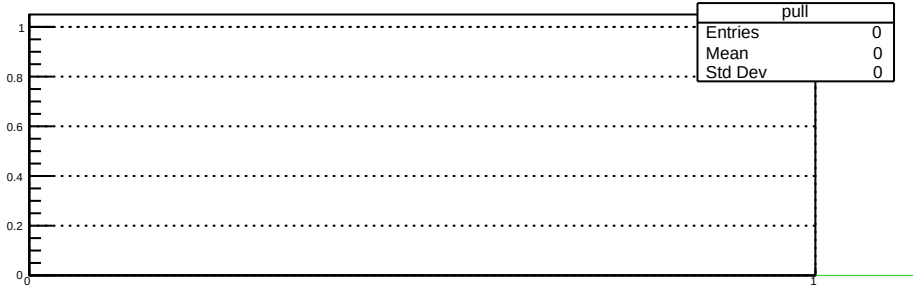

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
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–6
–4
–2
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4
6
8

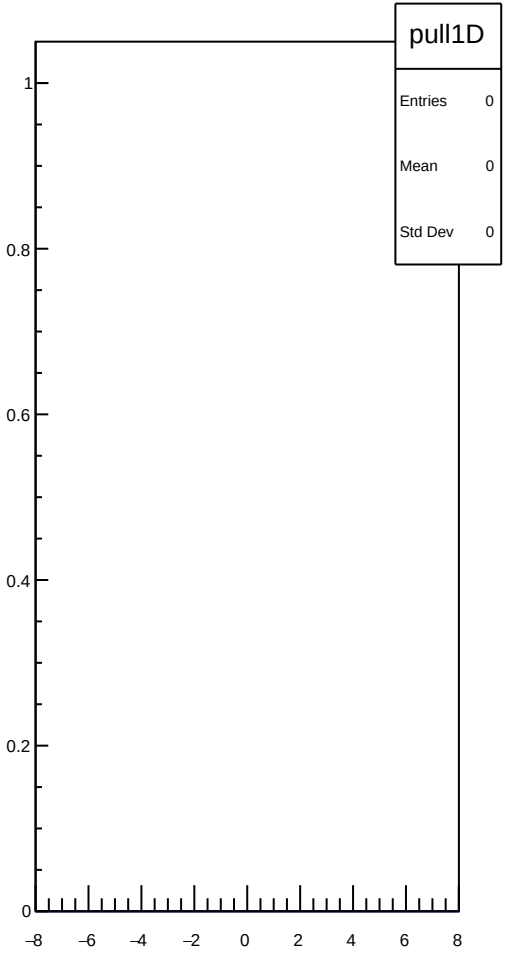

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
0
1

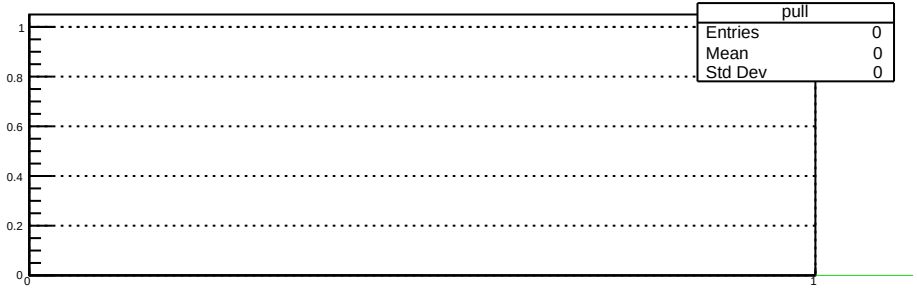

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
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–6
–4
–2
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2
4
6
8

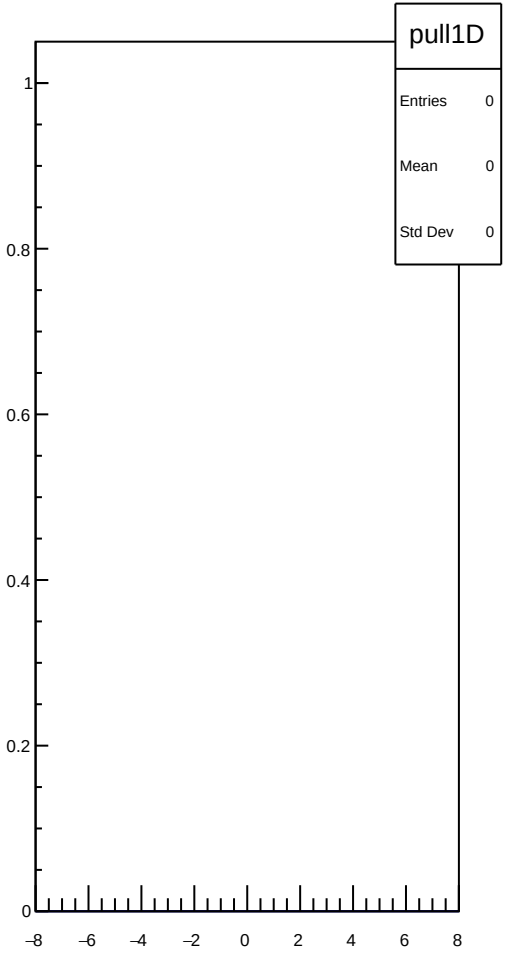

pull
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
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0
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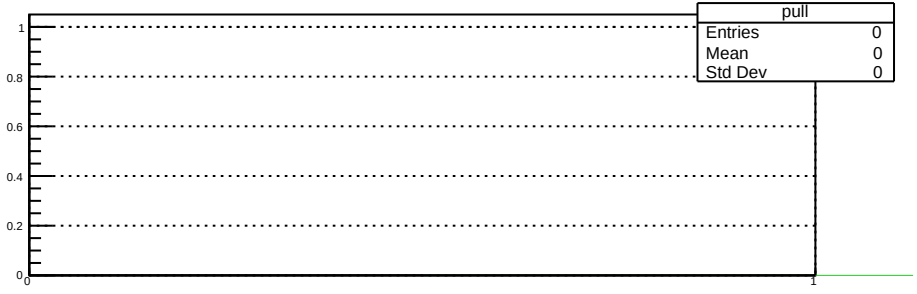

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
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–6
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4
6
8

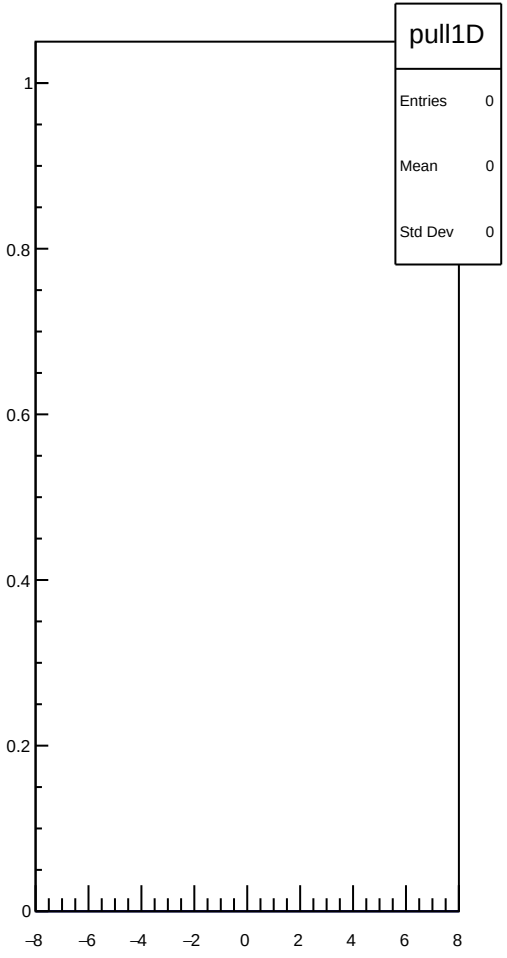

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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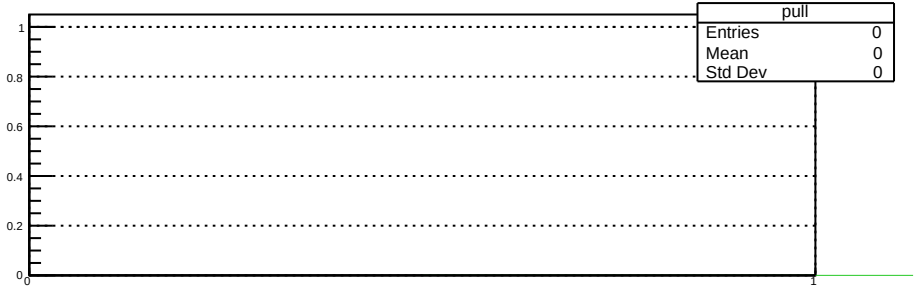

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
–8
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0
2
4
6
8

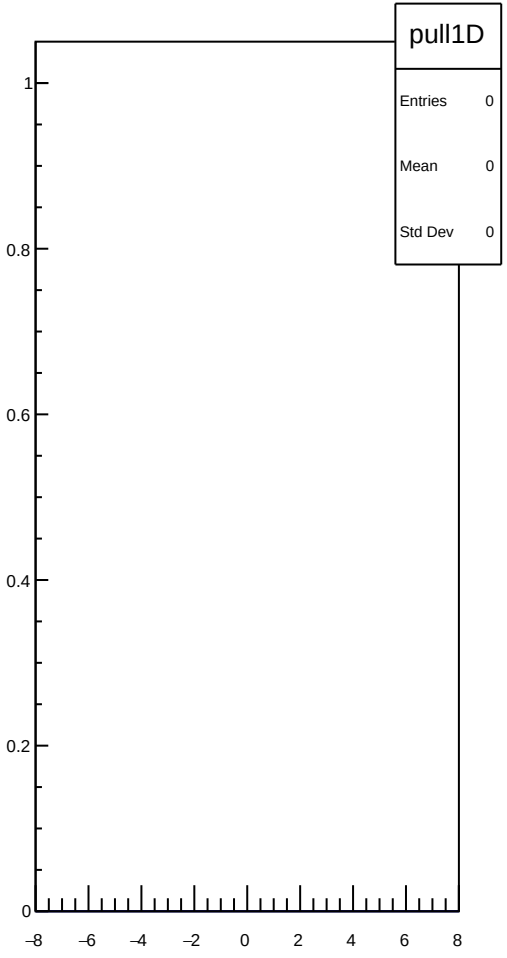

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

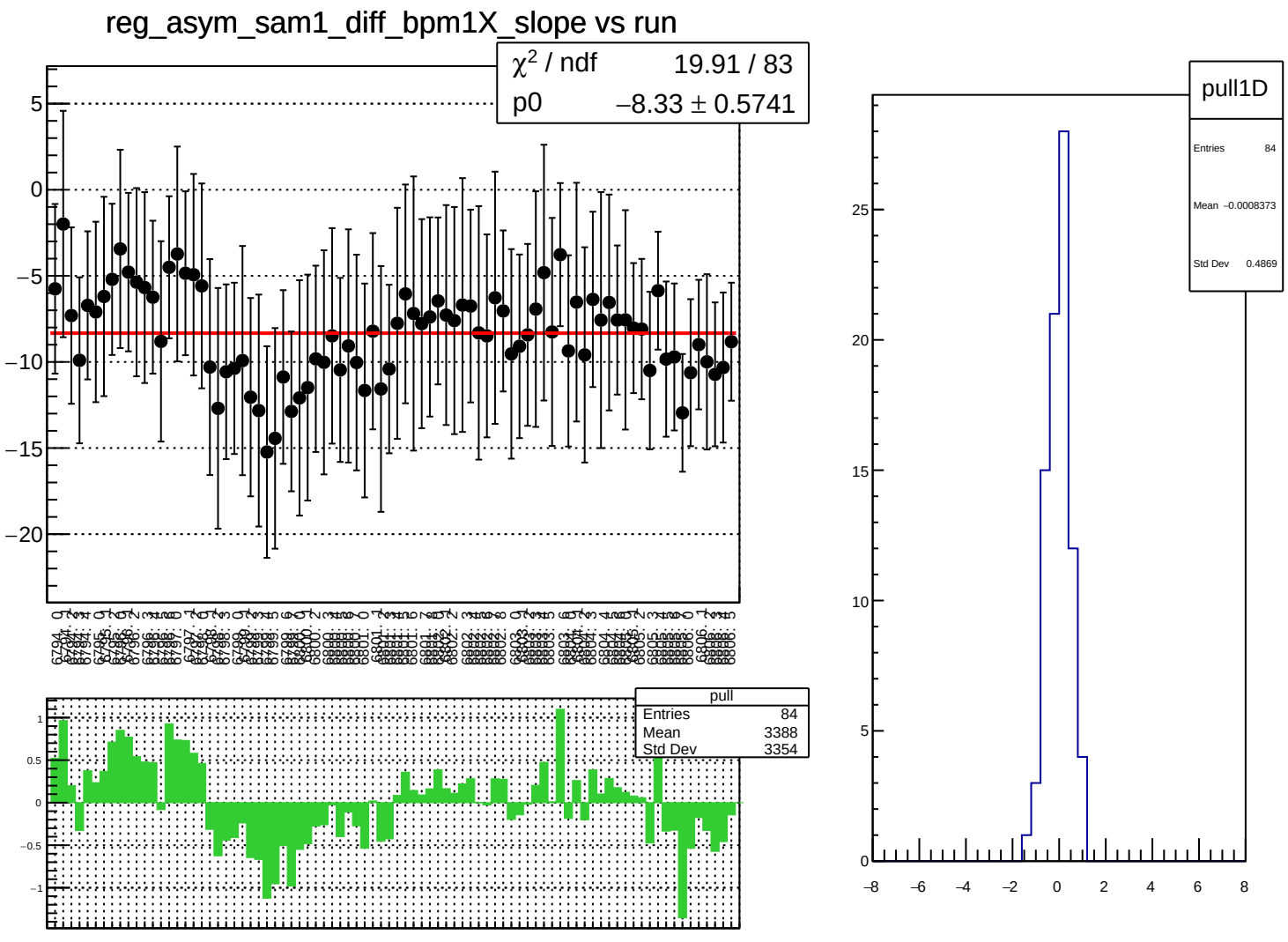

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
–8
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–2
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2
4
6
8

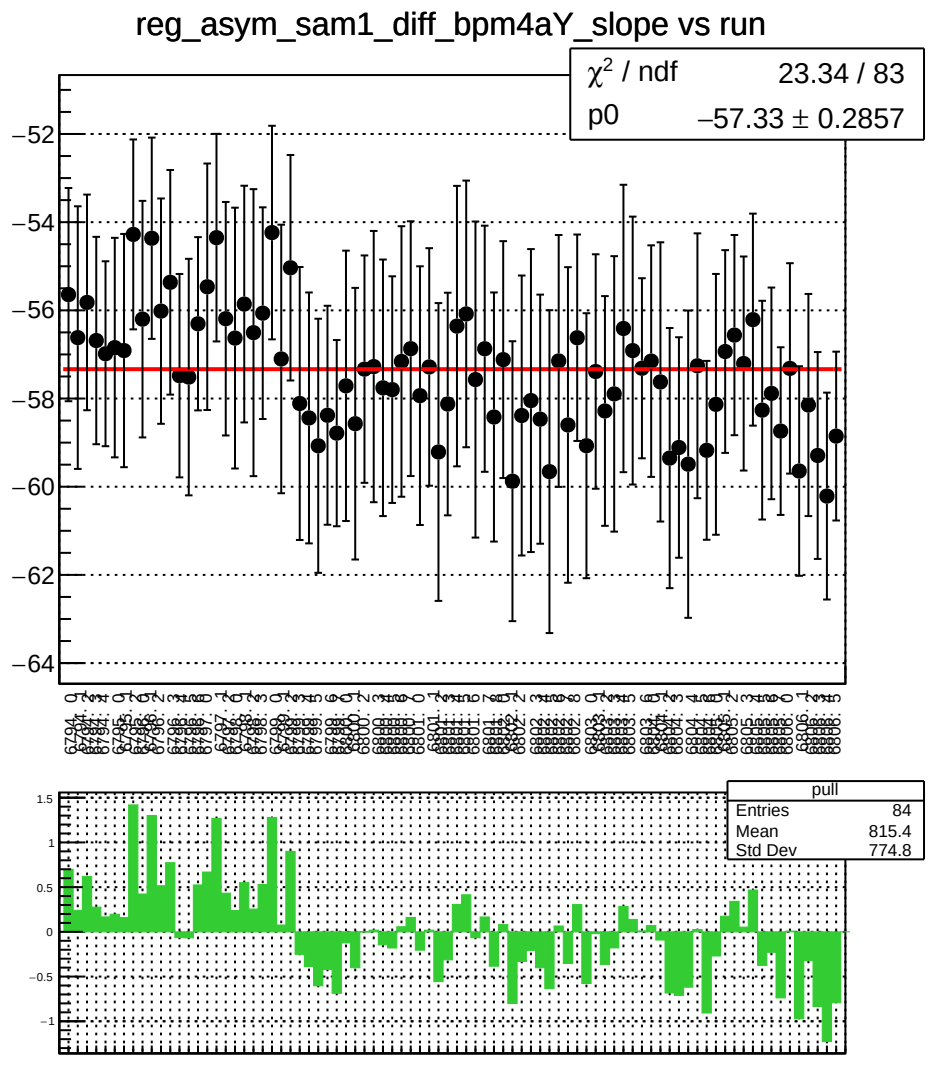

pull
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
0
1

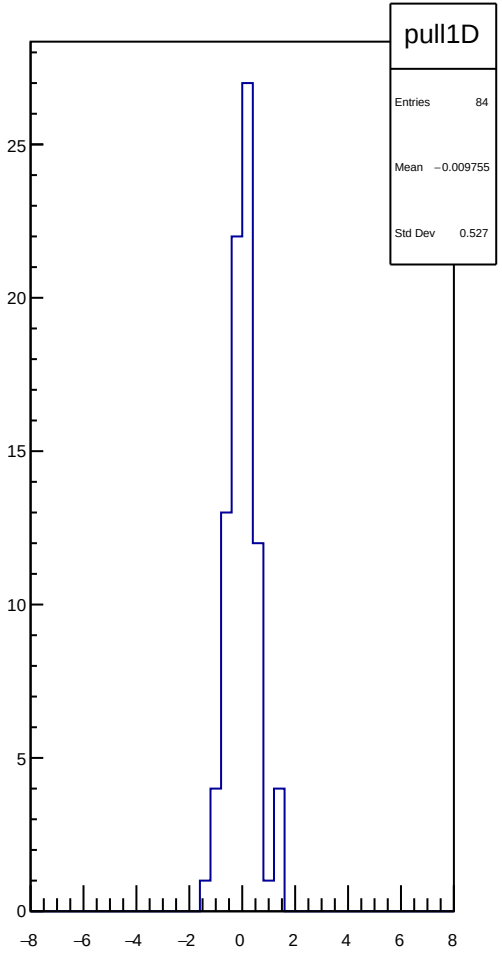

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

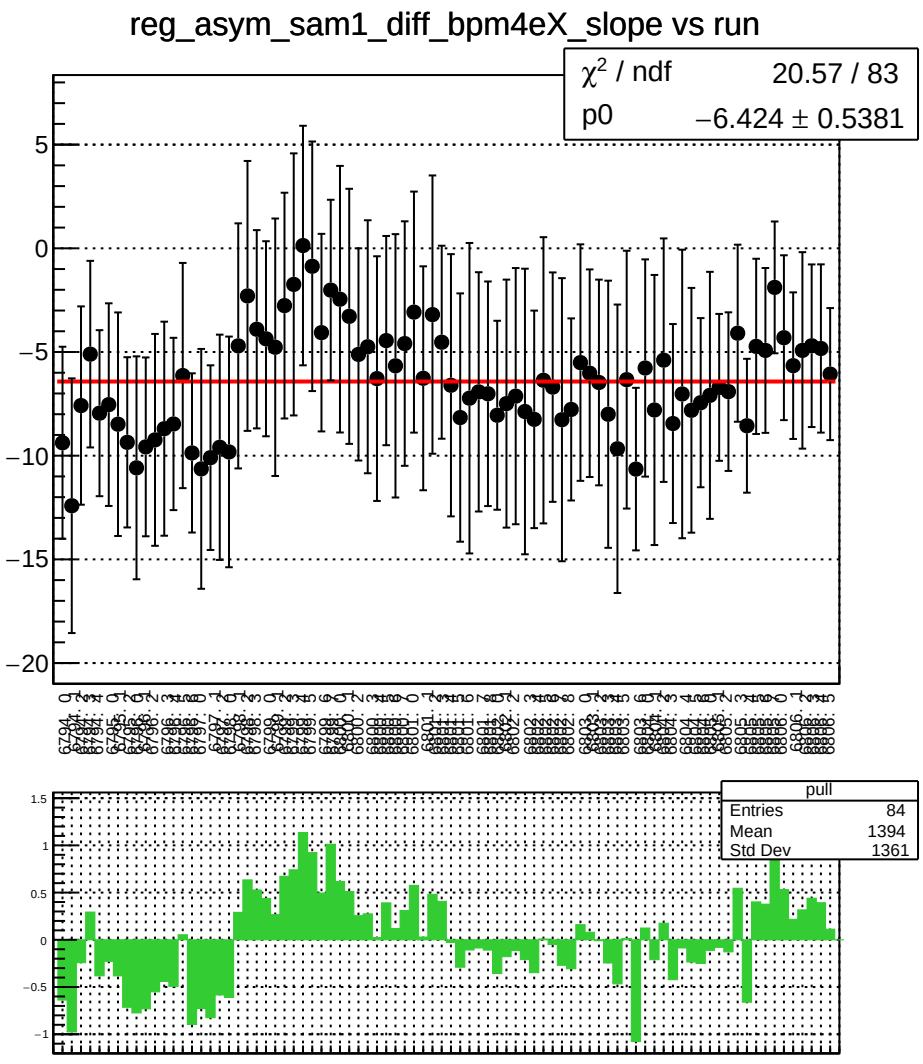

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

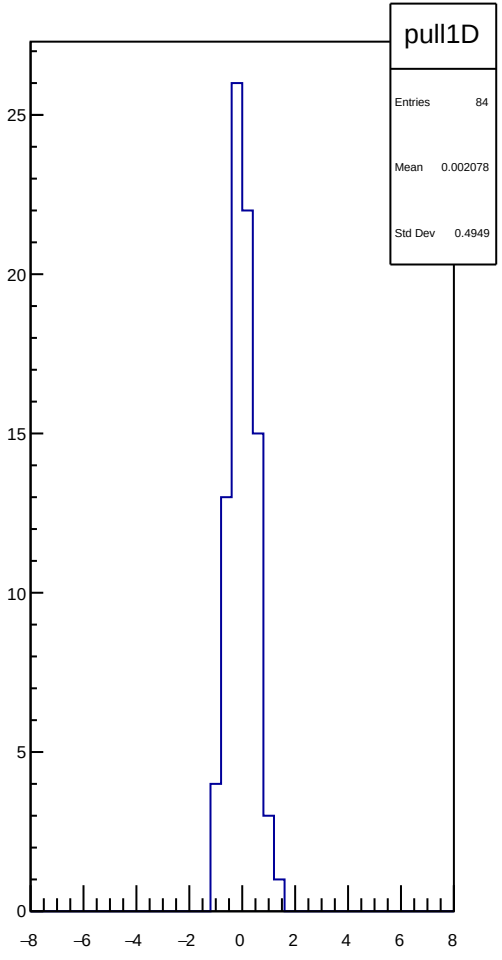

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

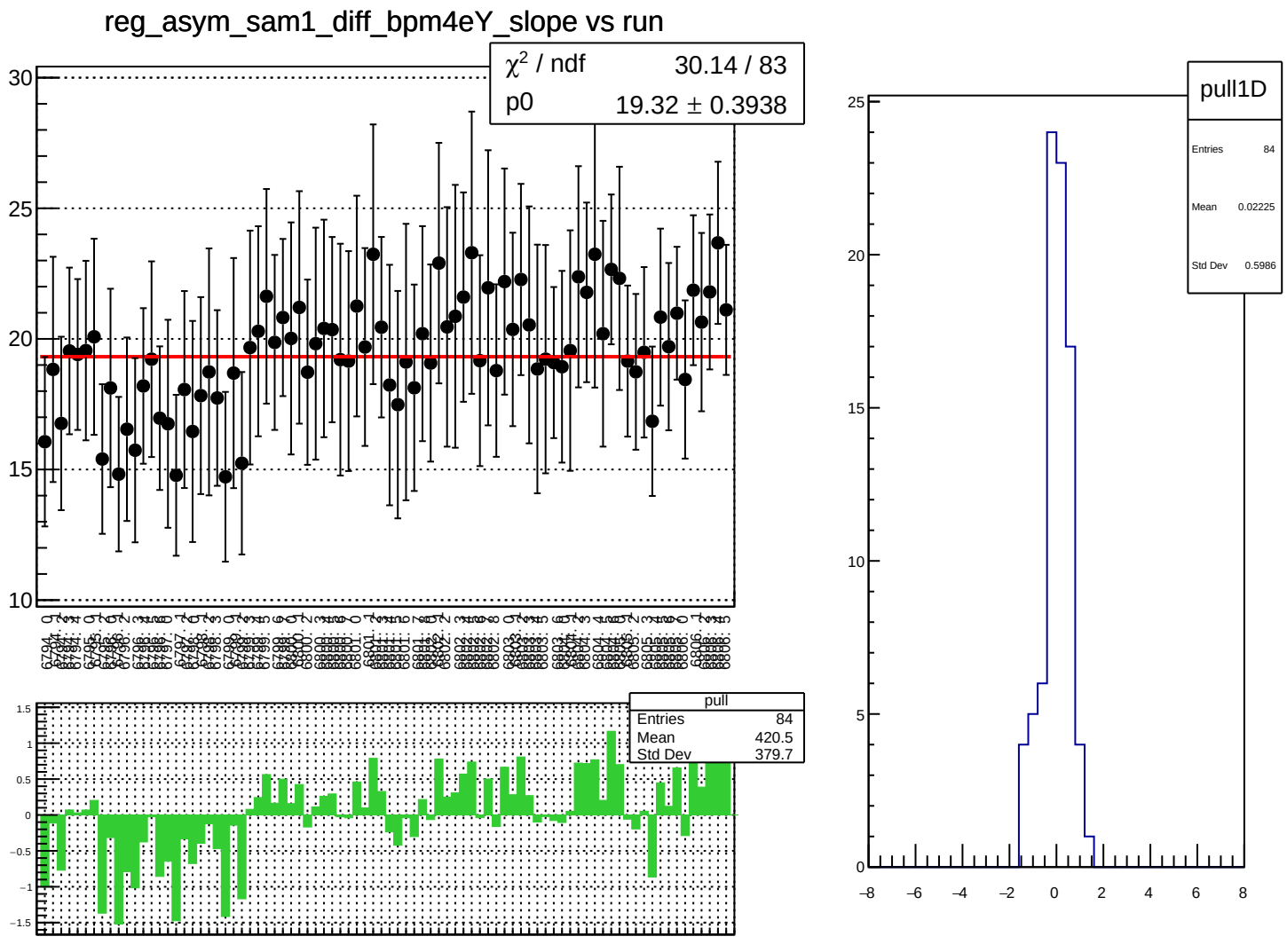

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 19.91 / 83
p0 −8.33 ± 0.5741
pull
Entries 84
Mean 3388
Std Dev 3354
pull1D
Entries 84
Mean −0.0008373
Std Dev 0.4869

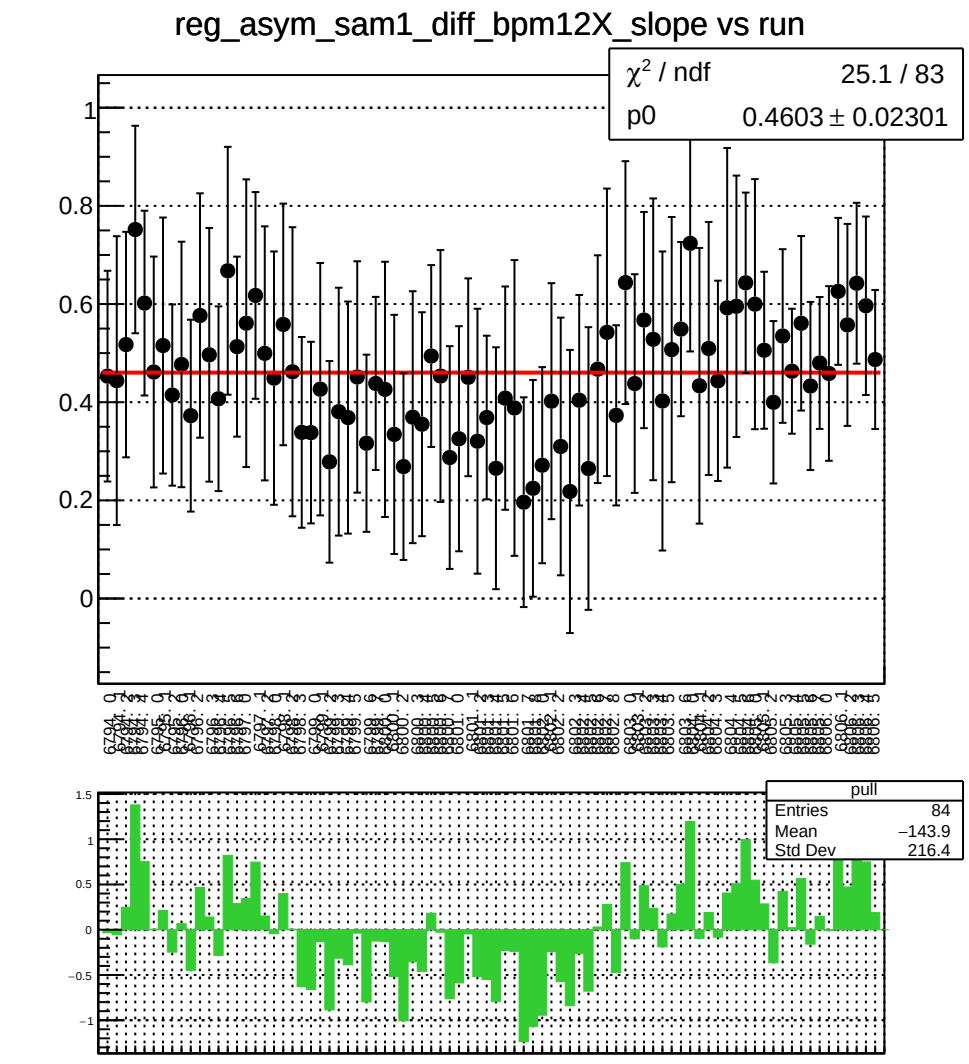

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 23.34 / 83
p0 −57.33 ± 0.2857
pull
Entries 84
Mean 815.4
Std Dev 774.8

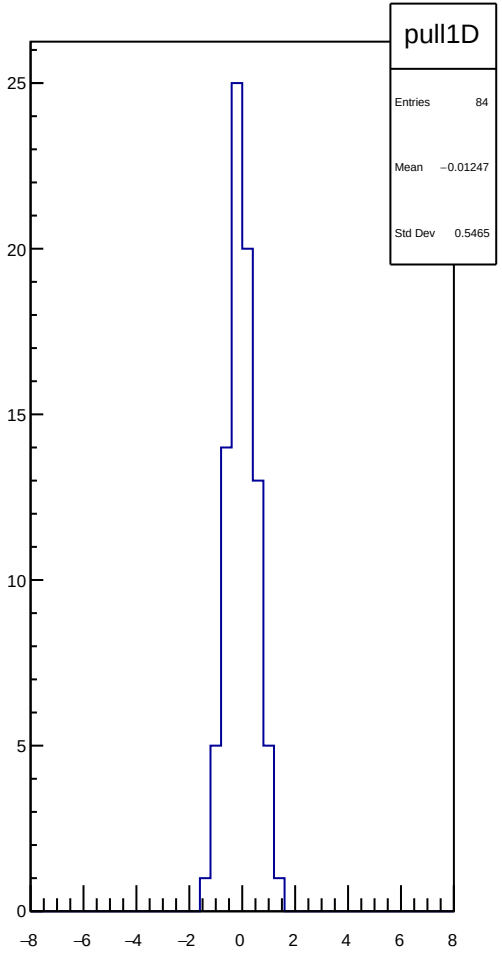

pull1D
Entries 84
Mean −0.009755
Std Dev 0.527

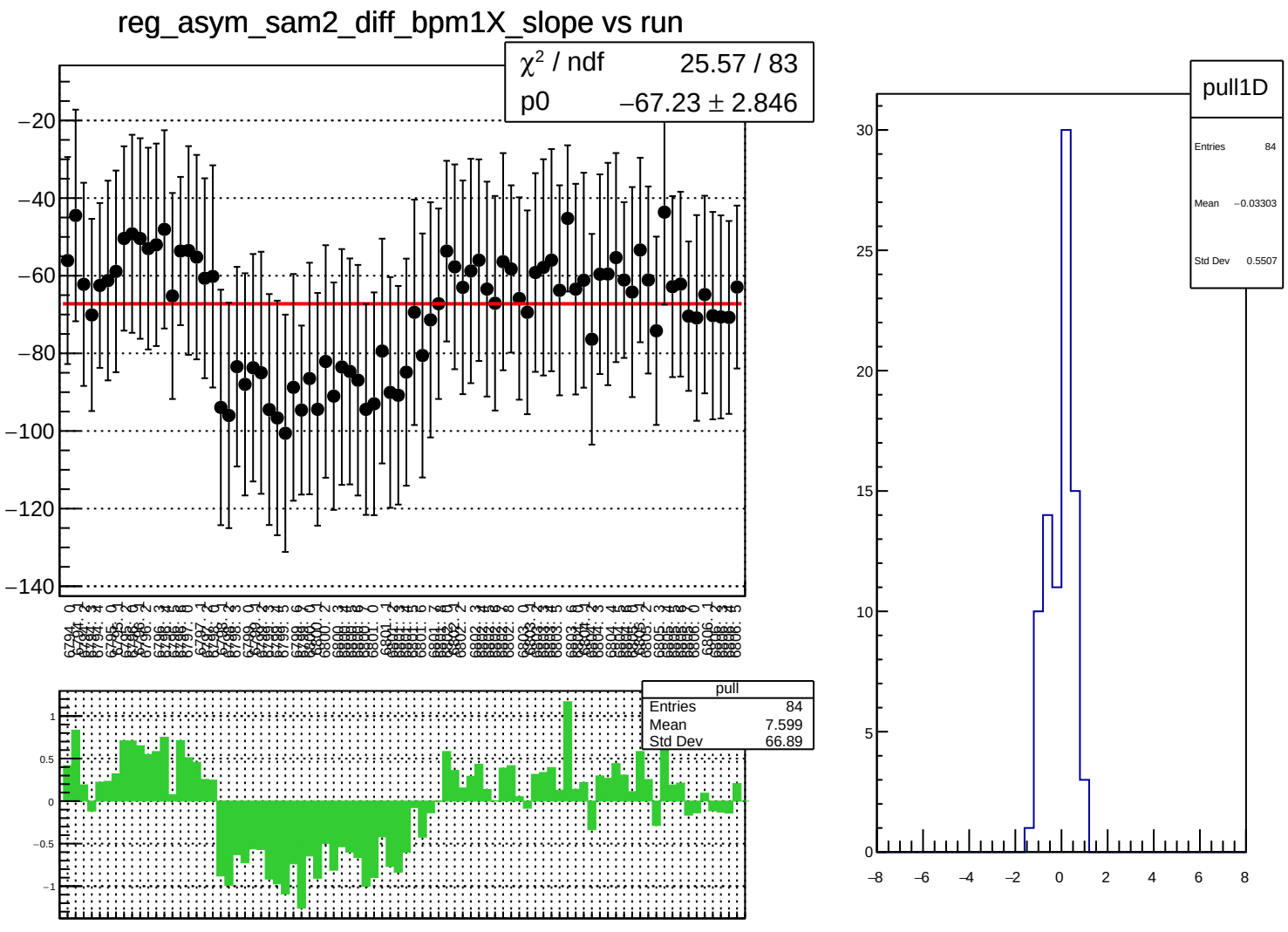

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 20.57 / 83
p0 −6.424 ± 0.5381
pull
Entries 84
Mean 1394
Std Dev 1361

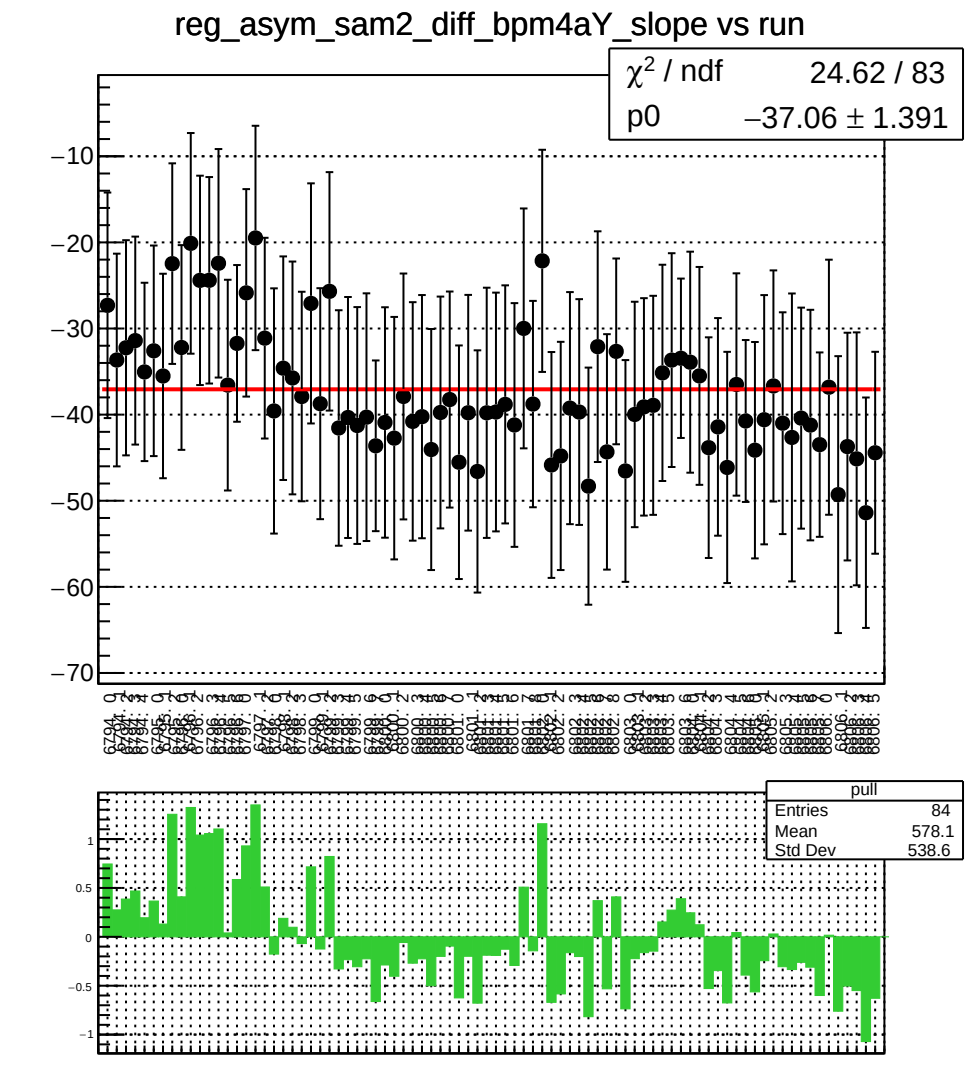

pull1D
Entries 84
Mean 0.002078
Std Dev 0.4949

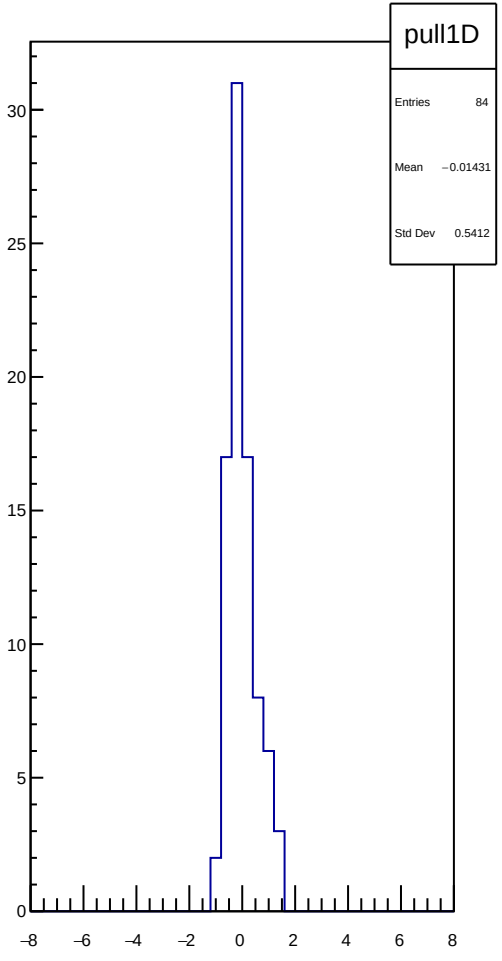

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 30.14 / 83
p0 19.32 ± 0.3938
pull
Entries 84
Mean 420.5
Std Dev 379.7
pull1D
Entries 84
Mean 0.02225
Std Dev 0.5986

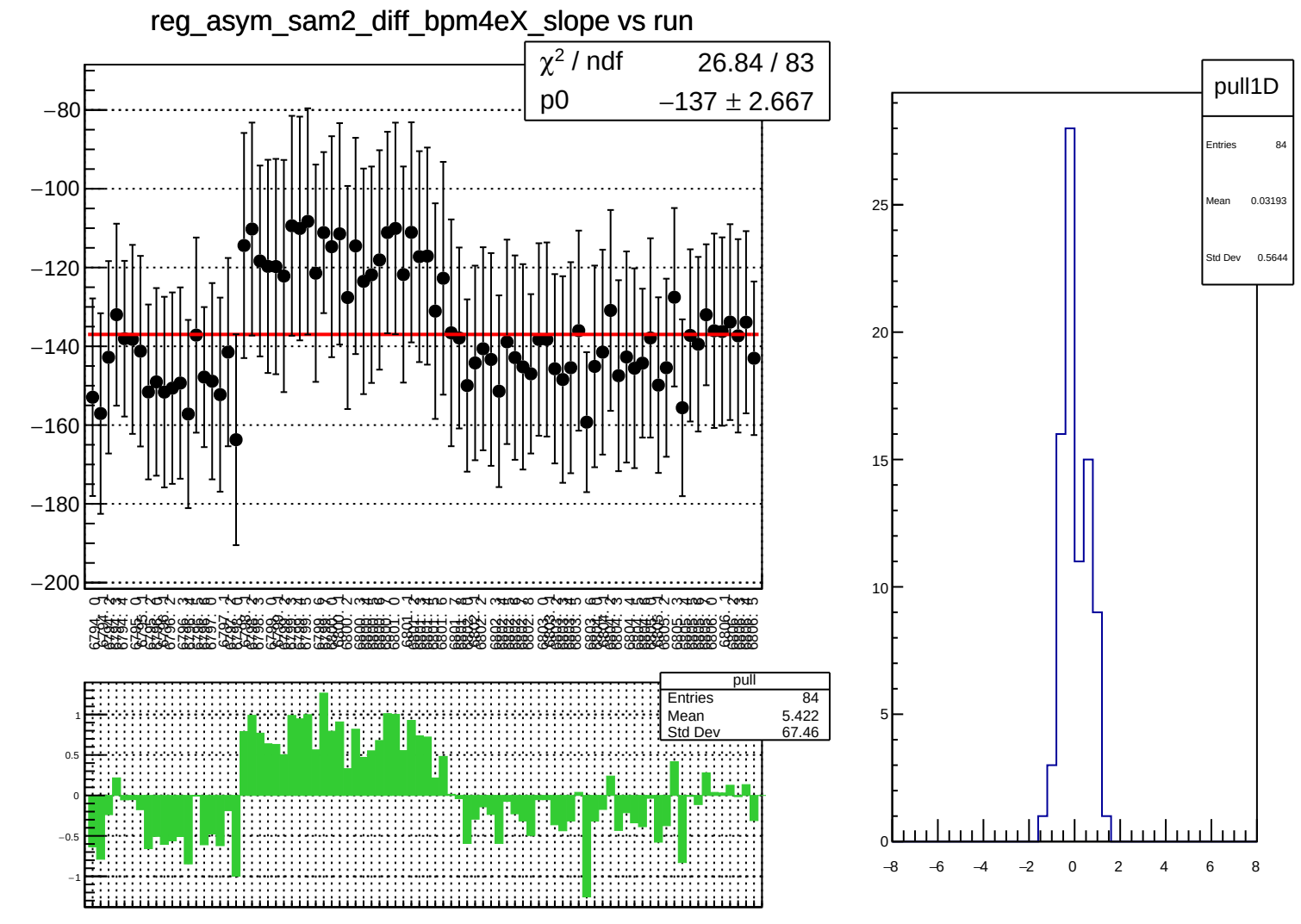

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 25.1 / 83
p0 0.4603 ± 0.02301
pull
Entries 84
Mean −143.9
Std Dev 216.4

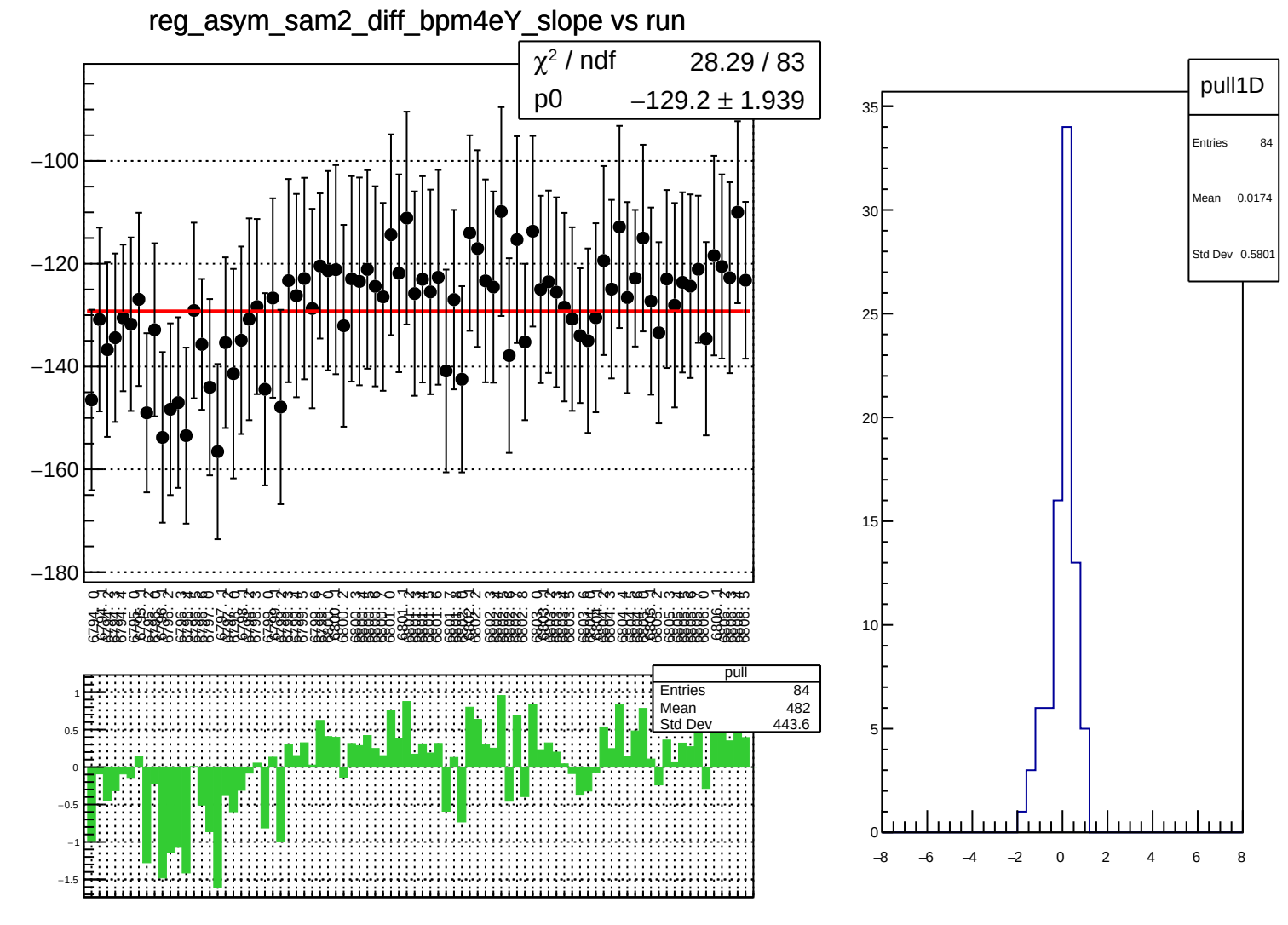

pull1D
Entries 84
Mean −0.01247
Std Dev 0.5465

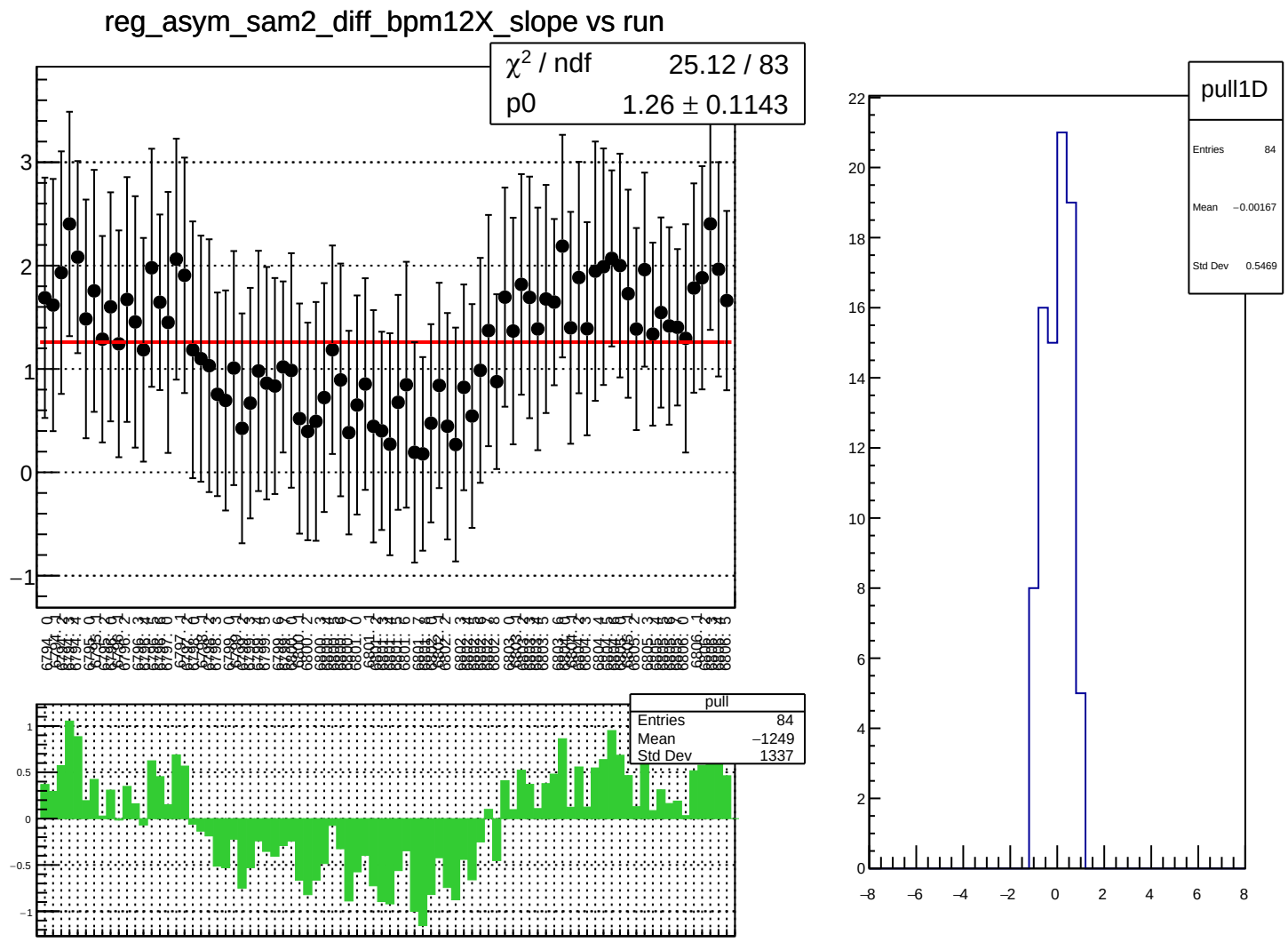

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 25.57 / 83
p0 −67.23 ± 2.846
pull
Entries 84
Mean 7.599
Std Dev 66.89
pull1D
Entries 84
Mean −0.03303
Std Dev 0.5507

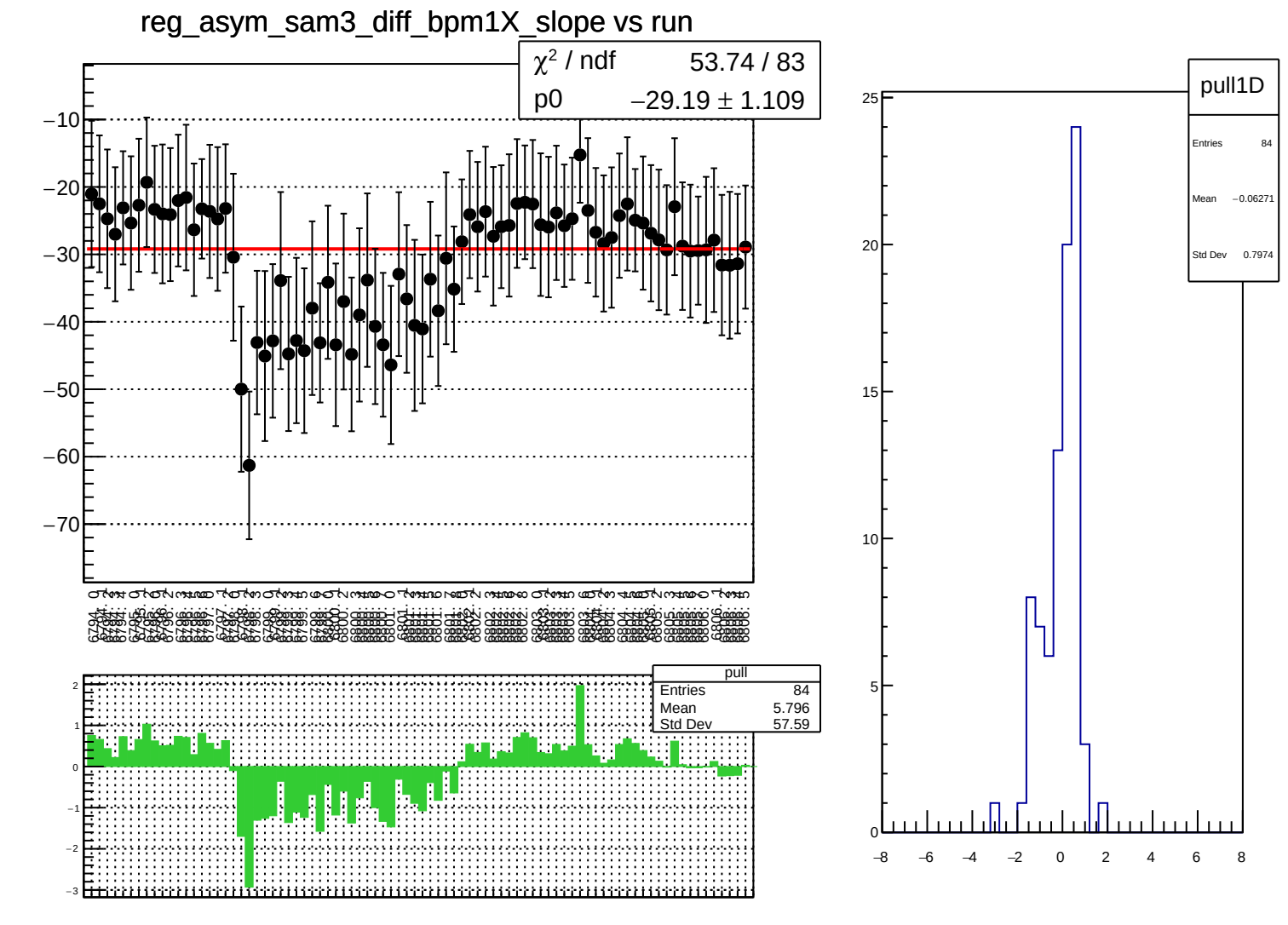

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 24.62 / 83
p0 −37.06 ± 1.391
pull
Entries 84
Mean 578.1
Std Dev 538.6

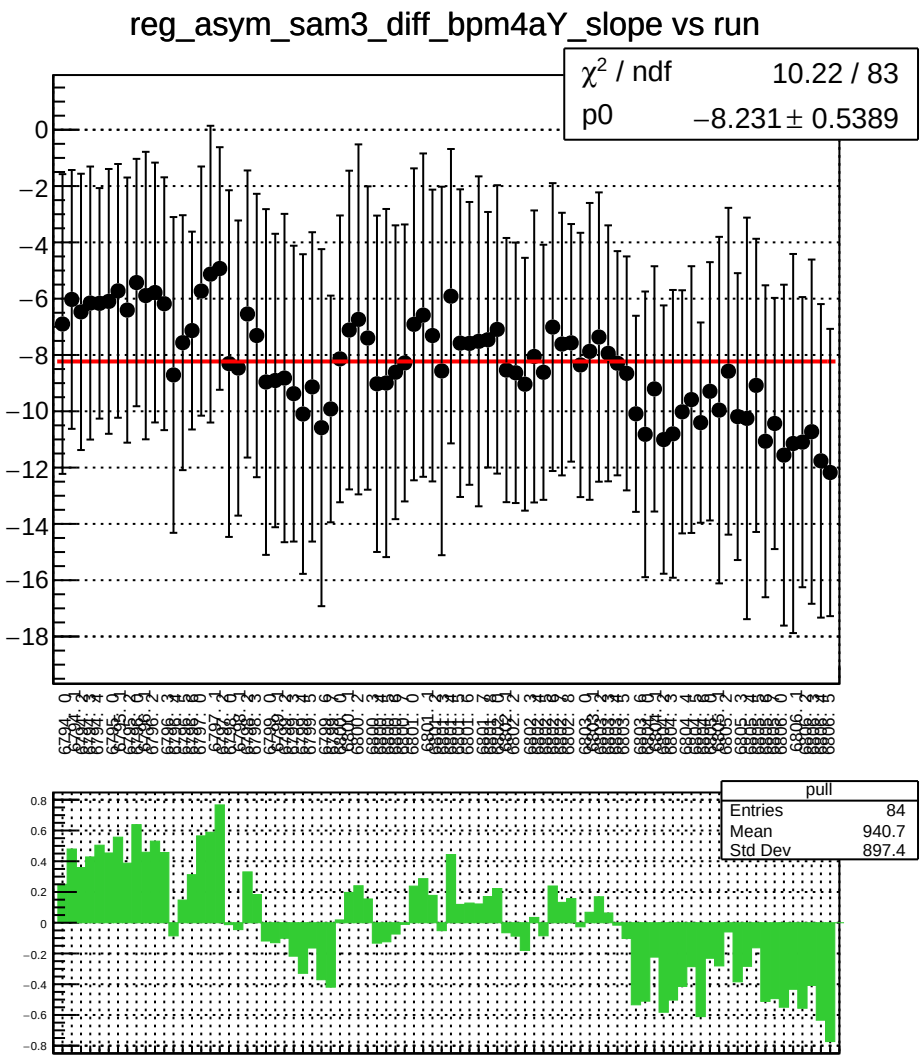

pull1D
Entries 84
Mean −0.01431
Std Dev 0.5412

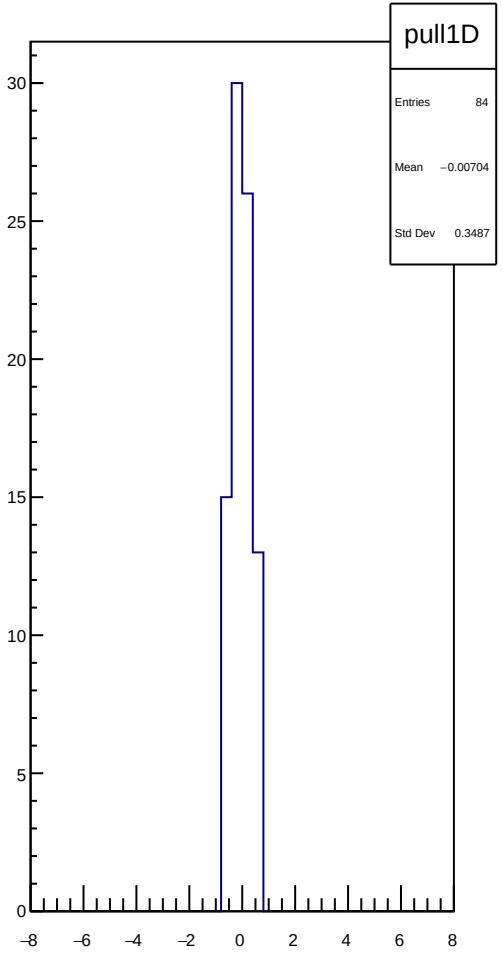

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 26.84 / 83
p0 −137 ± 2.667
pull
Entries 84
Mean 5.422
Std Dev 67.46
pull1D
Entries 84
Mean 0.03193
Std Dev 0.5644

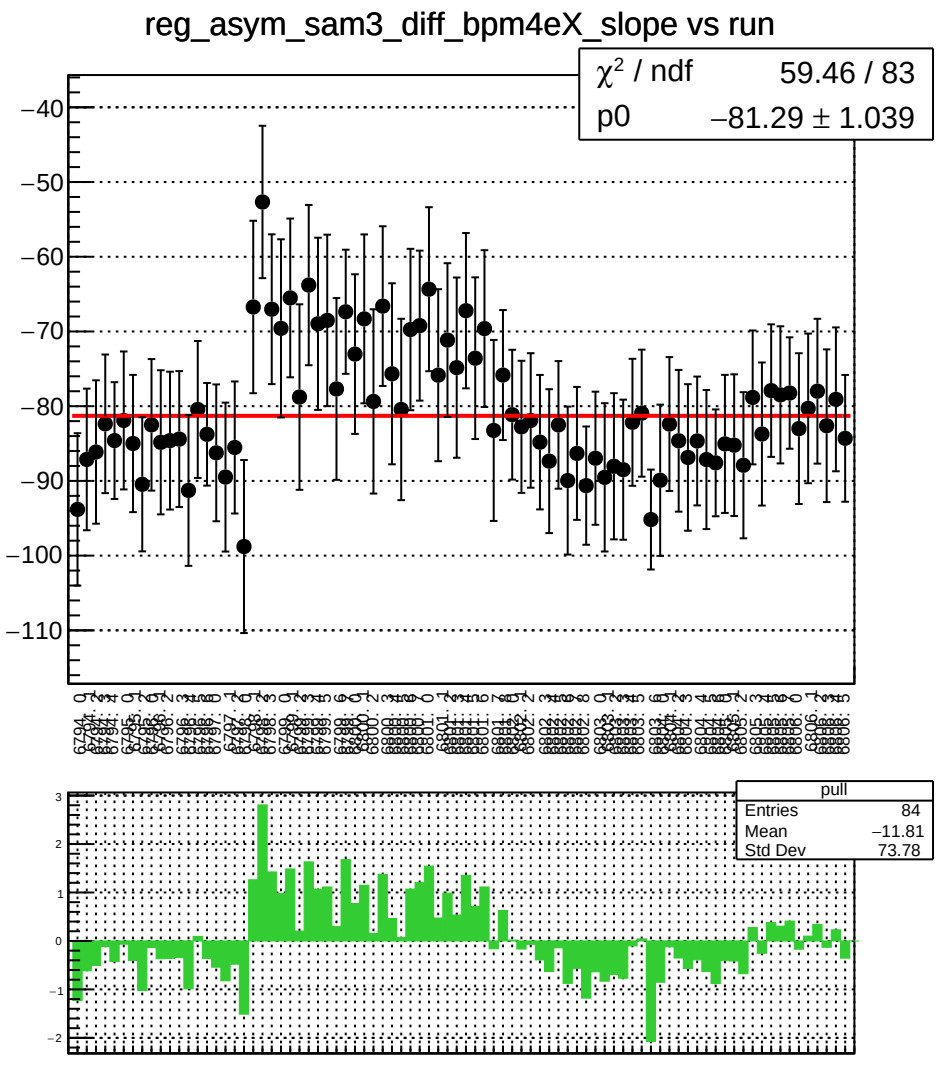

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 28.29 / 83
p0 −129.2 ± 1.939
−100
−120
−140
−160
−180
pull
Entries 84
Mean 482
Std Dev 443.6
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 84
Mean 0.0174
Std Dev 0.5801
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

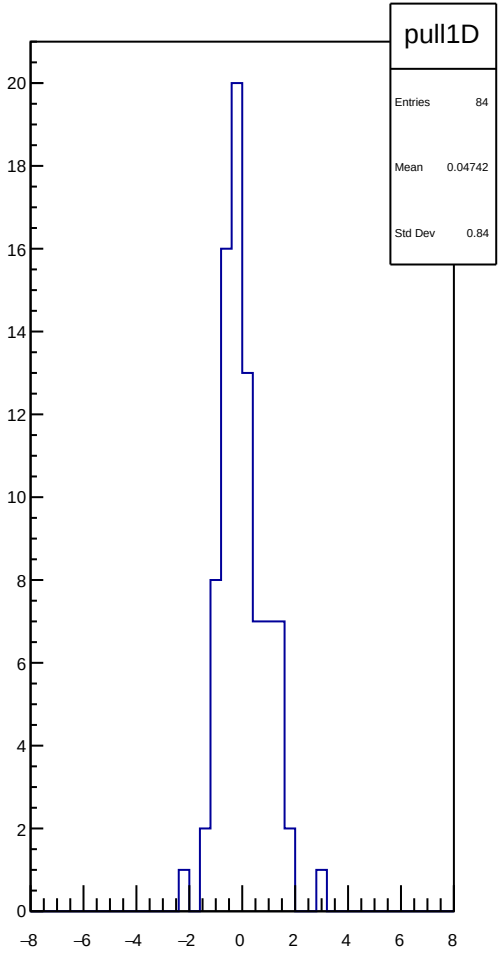

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 25.12 / 83
p0 1.26 ± 0.1143
pull
Entries 84
Mean −1249
Std Dev 1337
pull1D
Entries 84
Mean −0.00167
Std Dev 0.5469

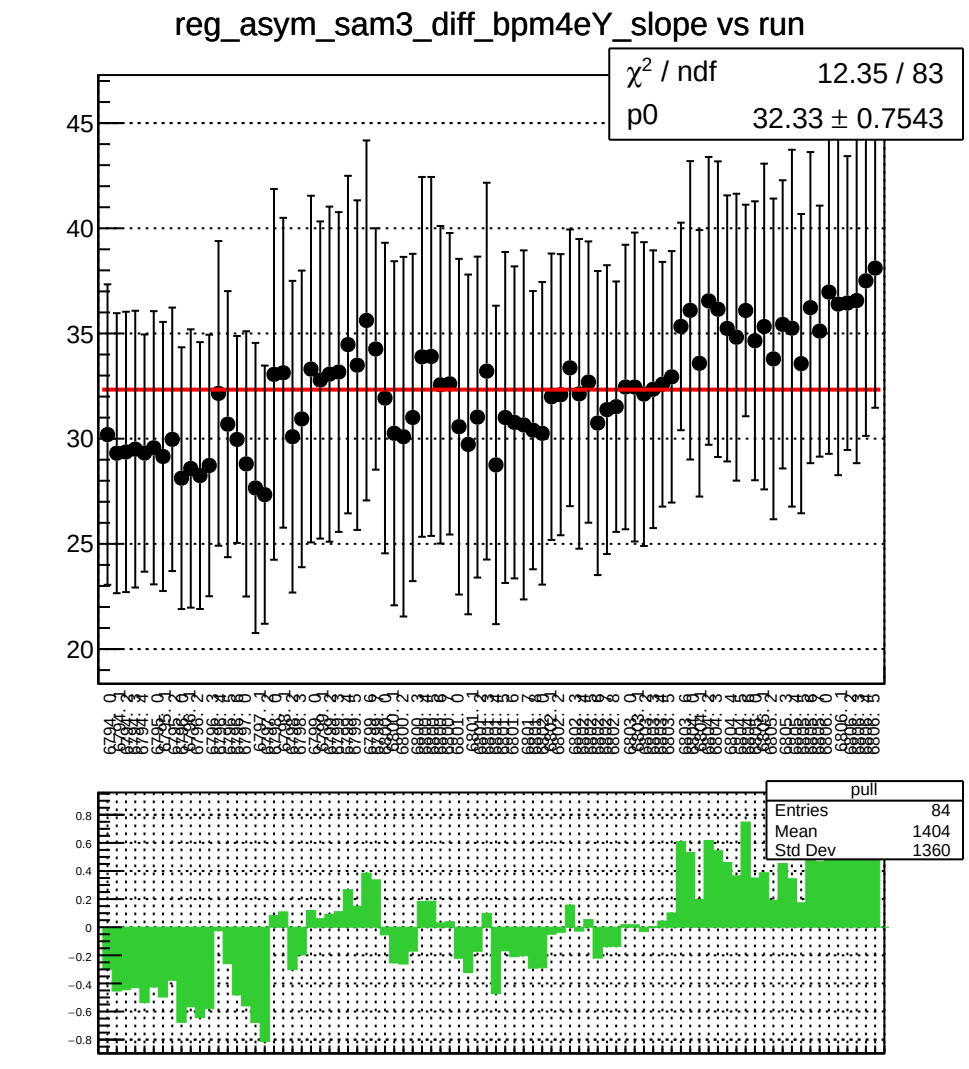

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 53.74 / 83
p0 −29.19 ± 1.109
pull
Entries 84
Mean 5.796
Std Dev 57.59
pull1D
Entries 84
Mean −0.06271
Std Dev 0.7974

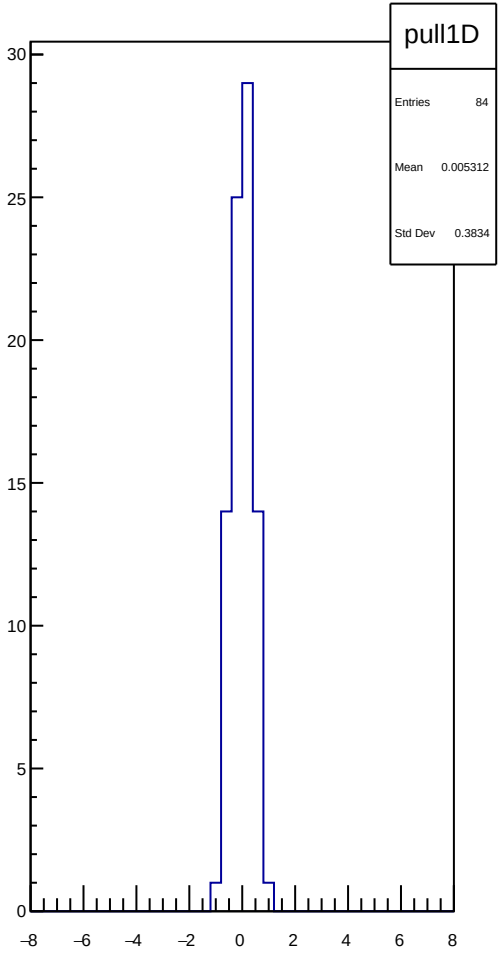

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 10.22 / 83
p0 −8.231 ± 0.5389
pull
Entries 84
Mean 940.7
Std Dev 897.4

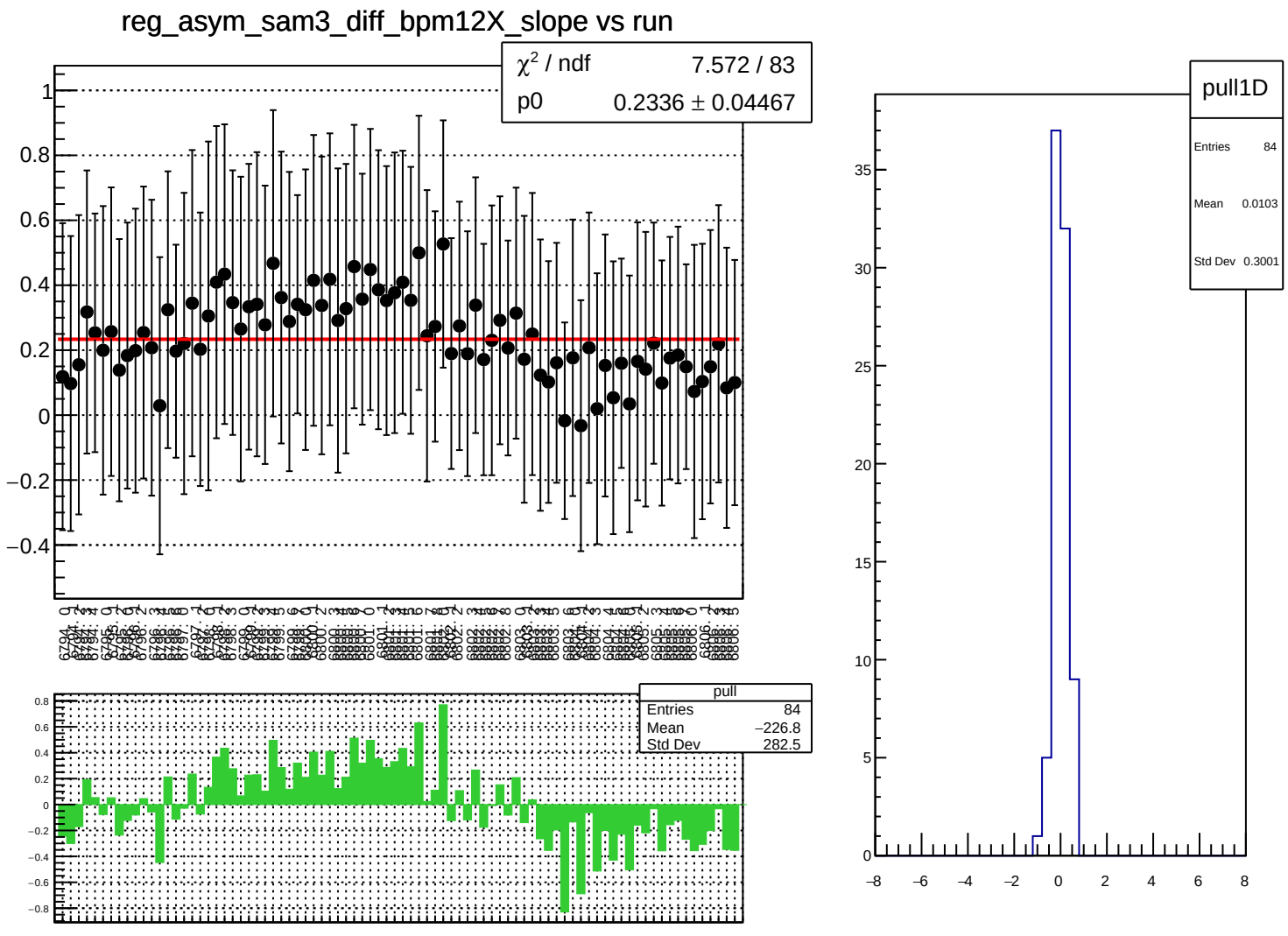

pull1D
Entries 84
Mean −0.00704
Std Dev 0.3487

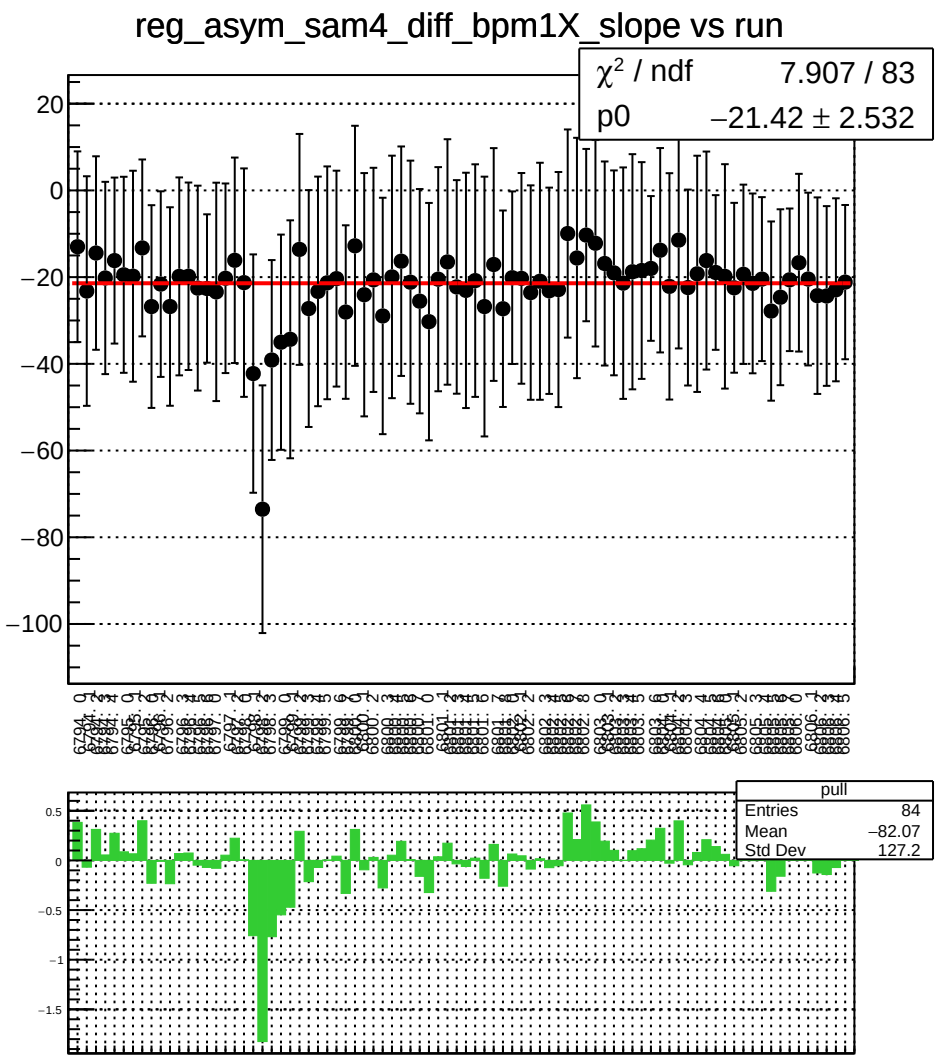

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 59.46 / 83
p0 −81.29 ± 1.039
pull
Entries 84
Mean −11.81
Std Dev 73.78

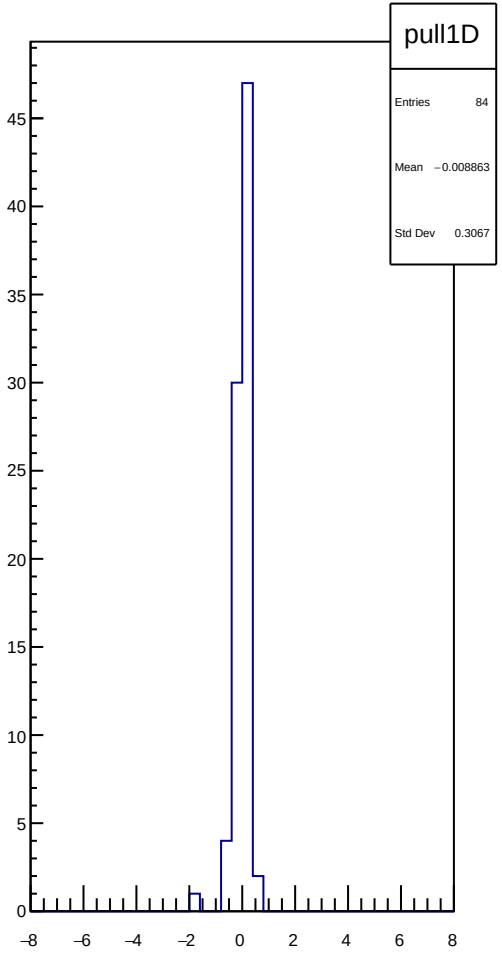

pull1D
Entries 84
Mean 0.04742
Std Dev 0.84

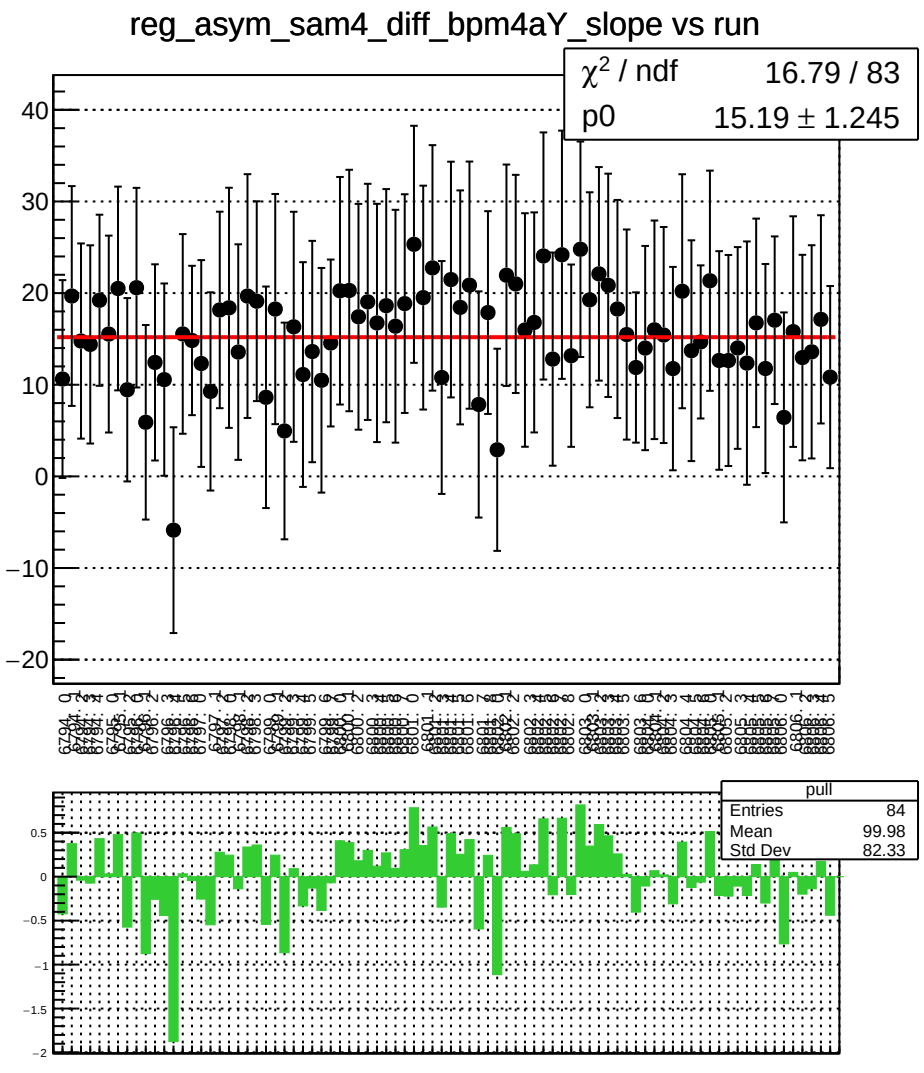

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 12.35 / 83
p0 32.33 ± 0.7543
pull
Entries 84
Mean 1404
Std Dev 1360

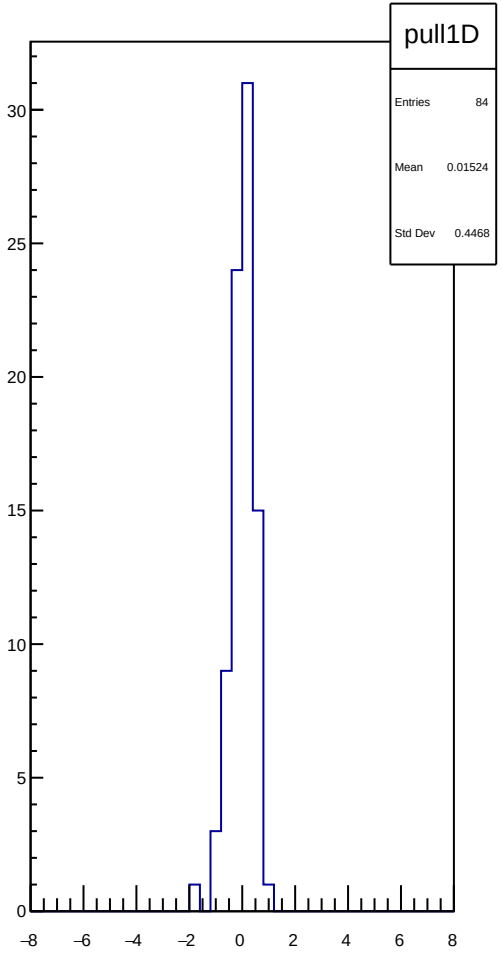

pull1D
Entries 84
Mean 0.005312
Std Dev 0.3834

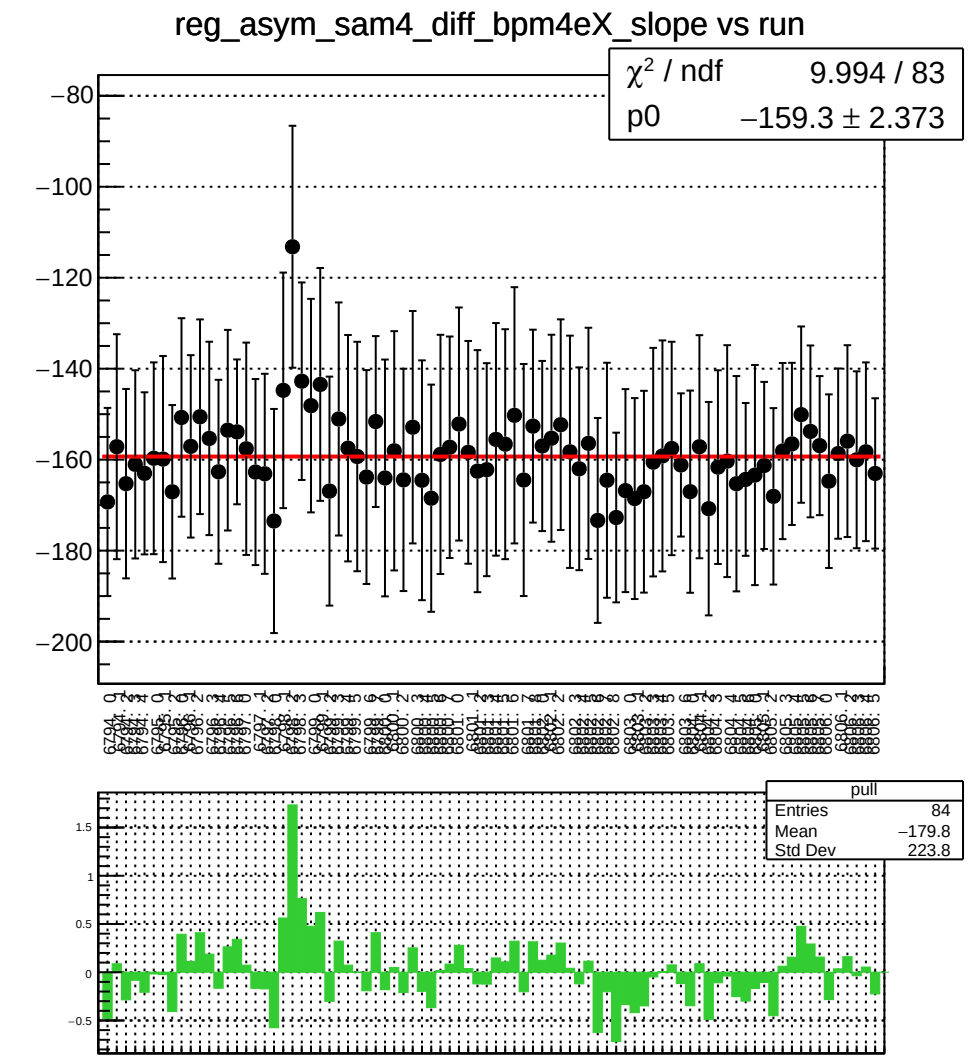

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 7.572 / 83
p0 0.2336 ± 0.04467
pull
Entries 84
Mean −226.8
Std Dev 282.5
pull1D
Entries 84
Mean 0.0103
Std Dev 0.3001

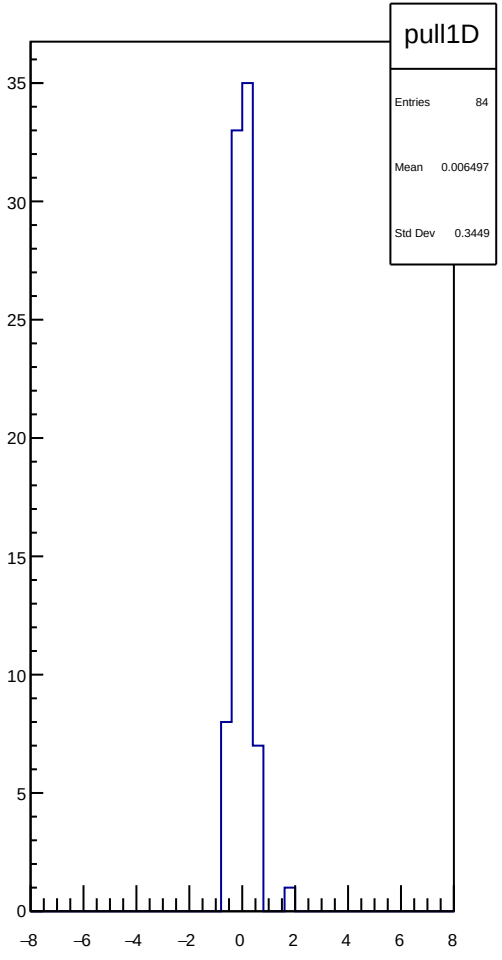

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 7.907 / 83
p0 −21.42 ± 2.532
pull
Entries 84
Mean −82.07
Std Dev 127.2

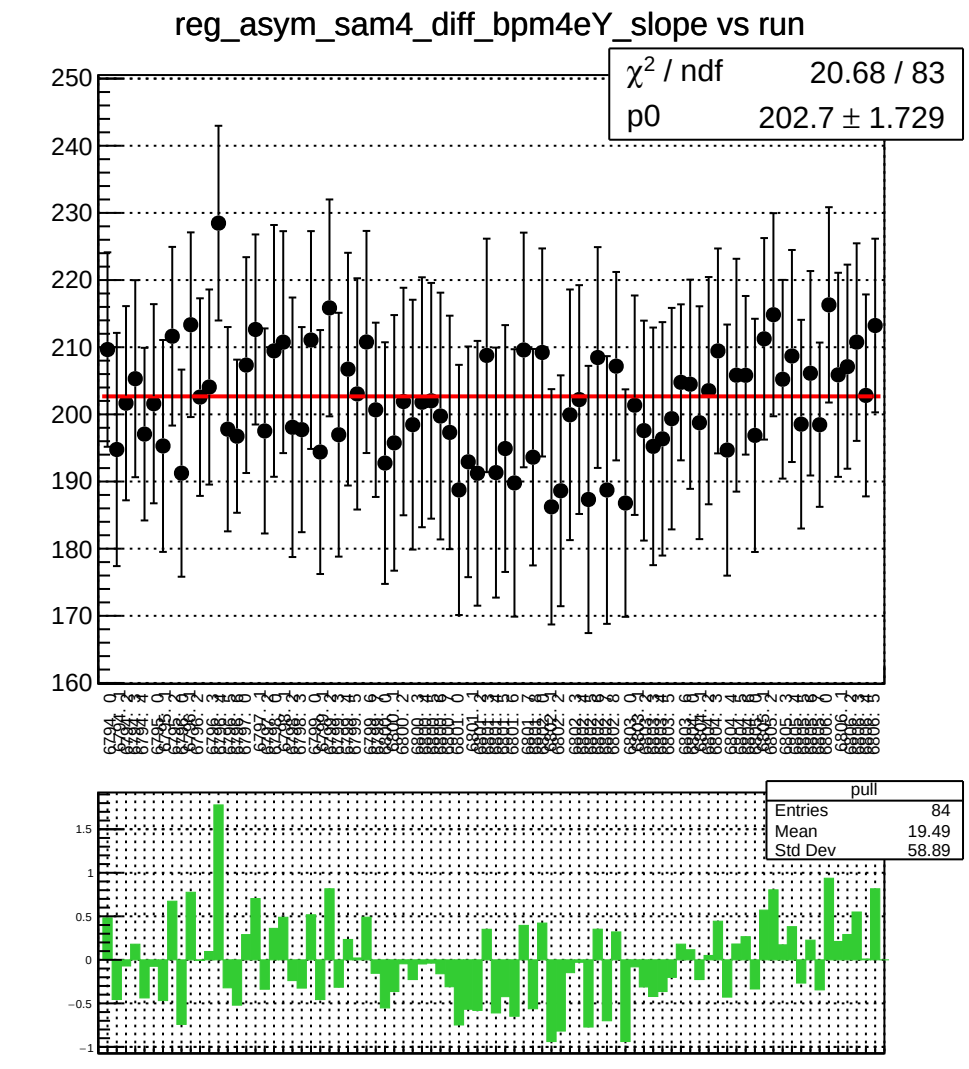

pull1D
Entries 84
Mean −0.008863
Std Dev 0.3067

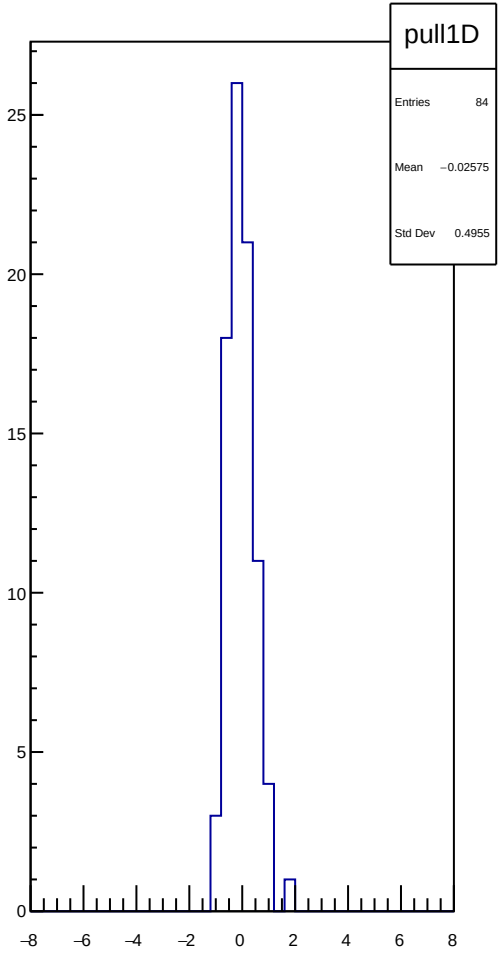

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 16.79 / 83
p0 15.19 ± 1.245
pull
Entries 84
Mean 99.98
Std Dev 82.33

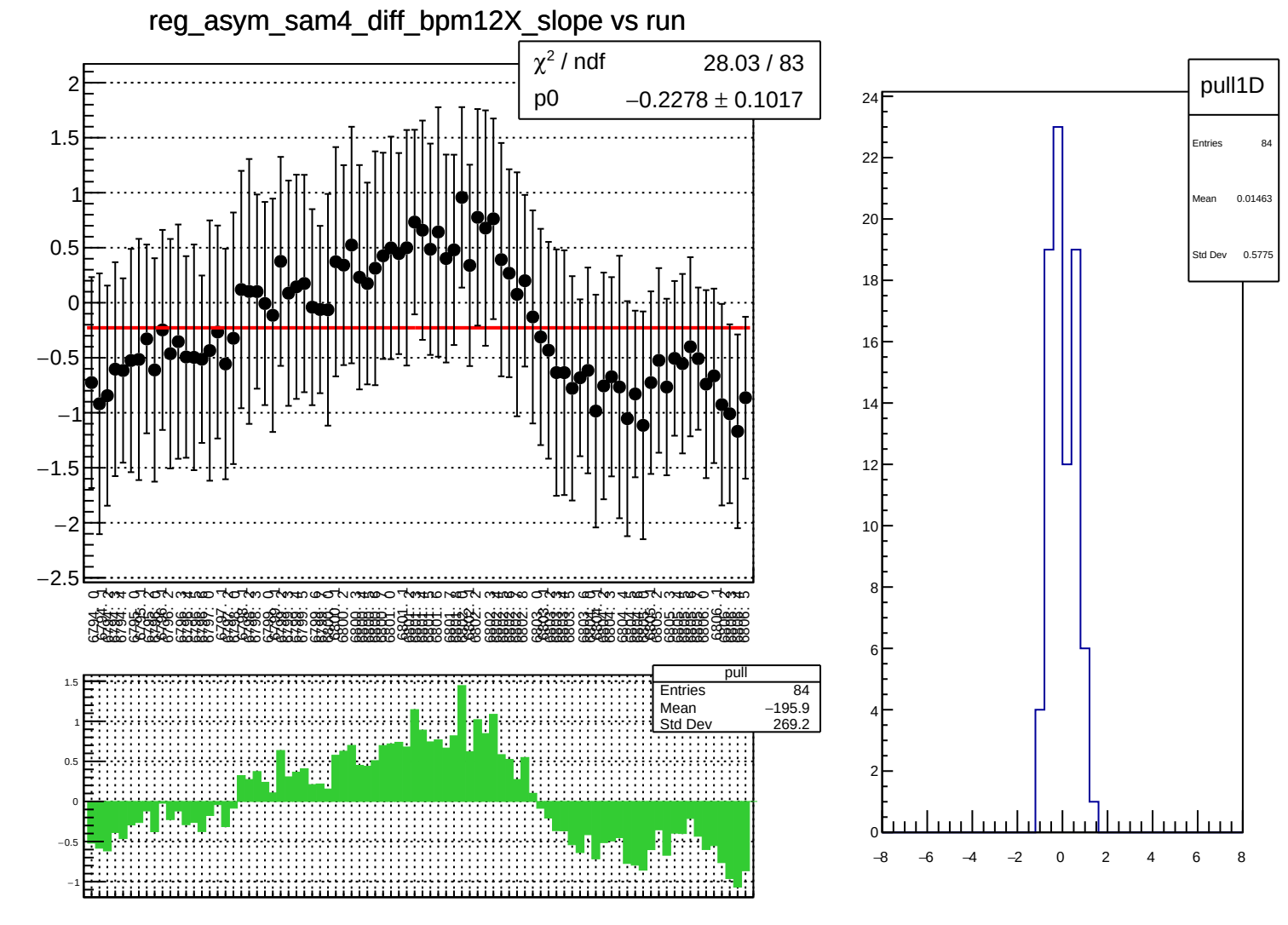

pull1D
Entries 84
Mean 0.01524
Std Dev 0.4468

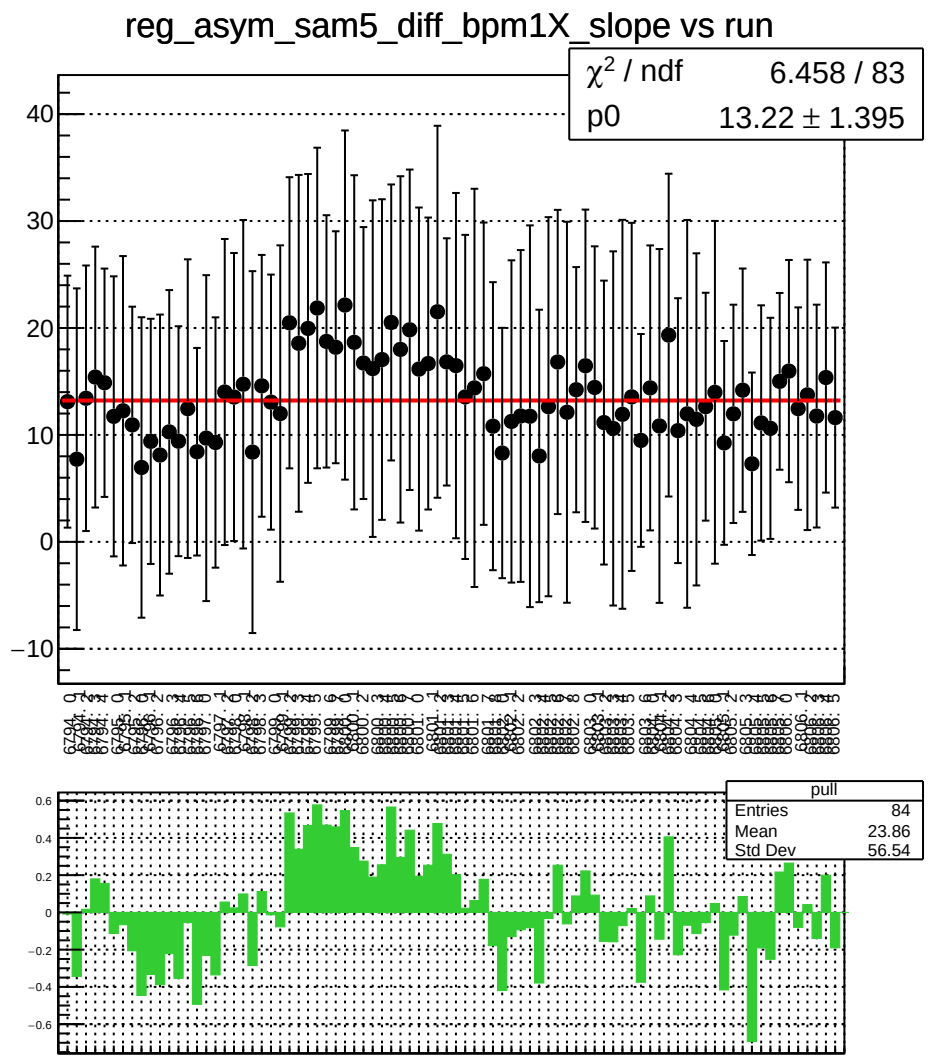

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 9.994 / 83
p0 −159.3 ± 2.373
pull
Entries 84
Mean −179.8
Std Dev 223.8

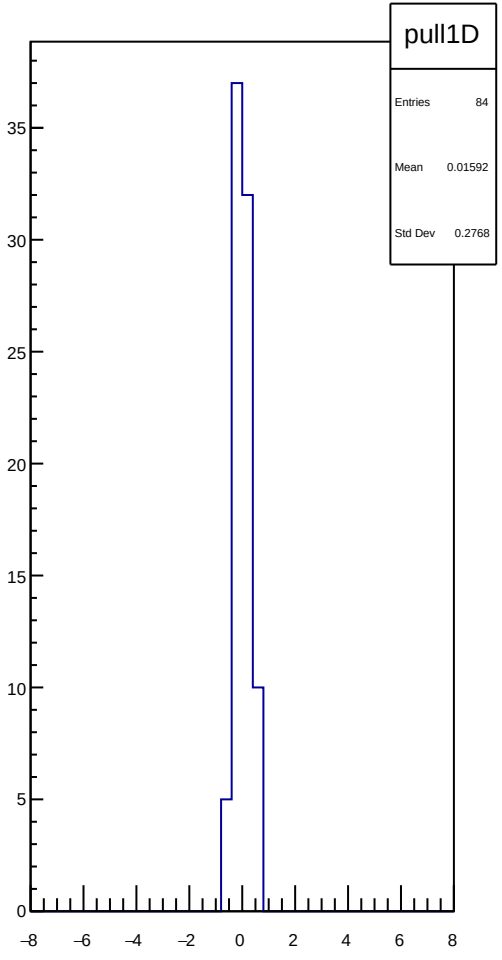

pull1D
Entries 84
Mean 0.006497
Std Dev 0.3449

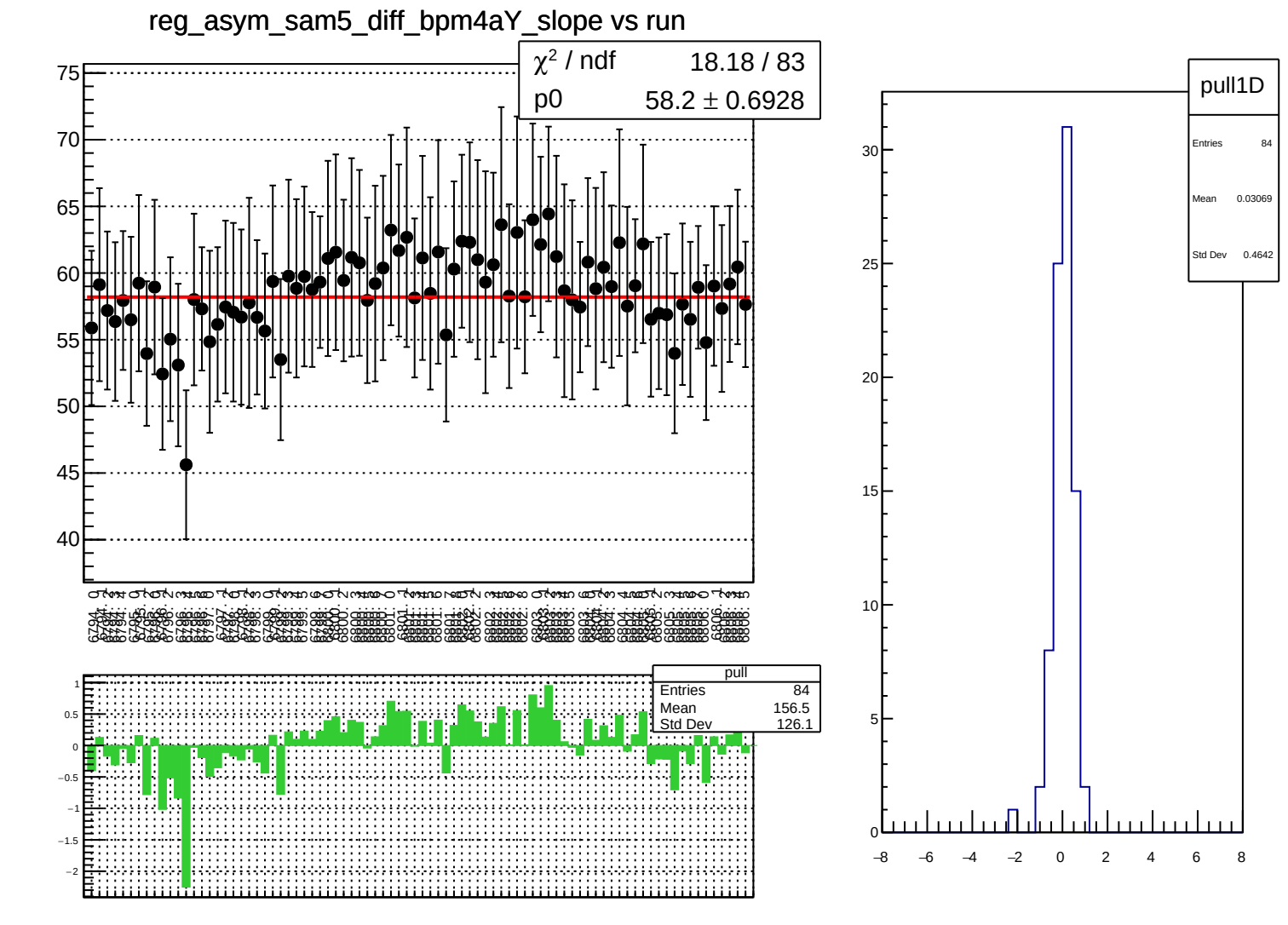

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 20.68 / 83
p0 202.7 ± 1.729
pull
Entries 84
Mean 19.49
Std Dev 58.89

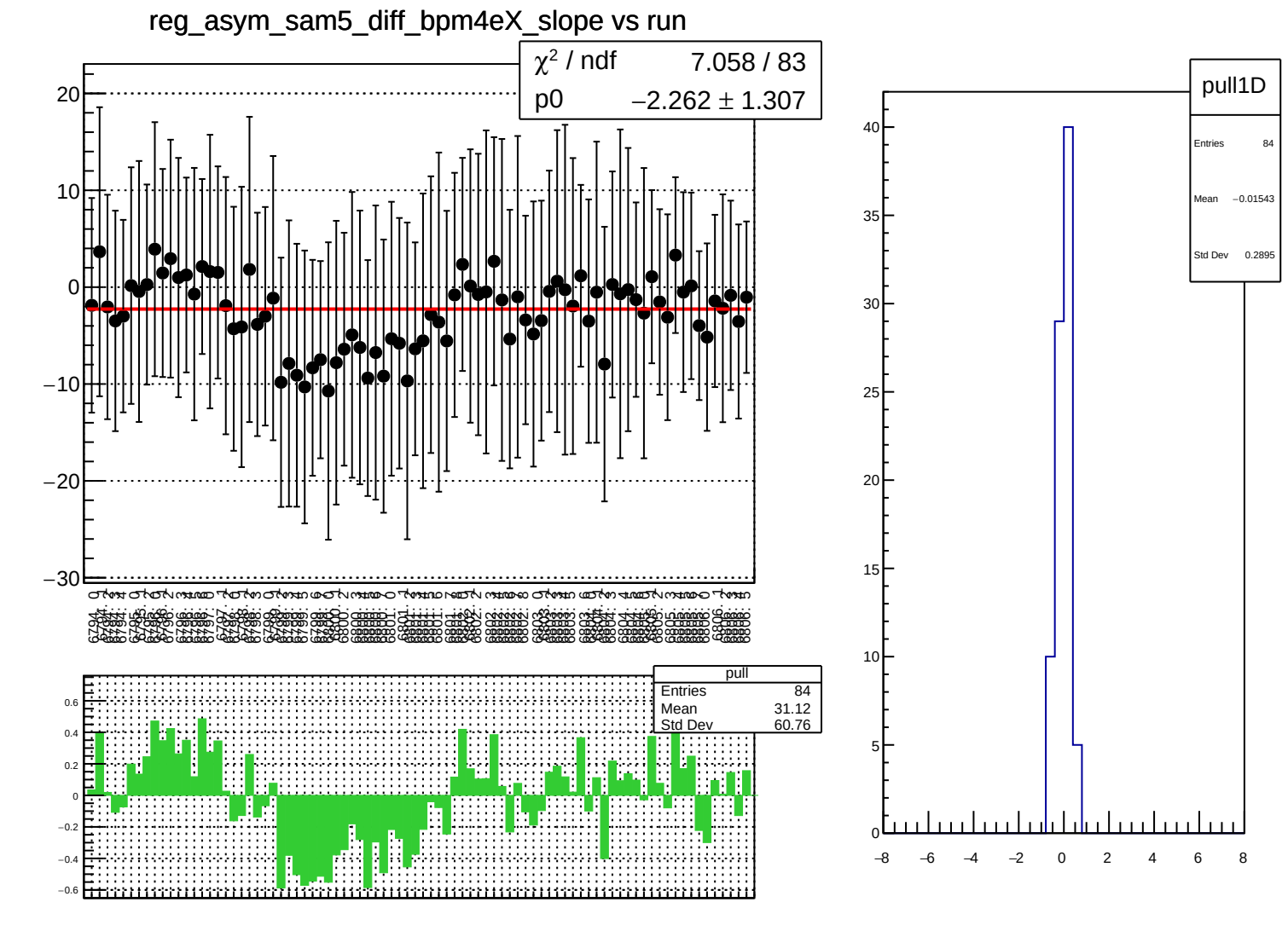

pull1D
Entries 84
Mean −0.02575
Std Dev 0.4955

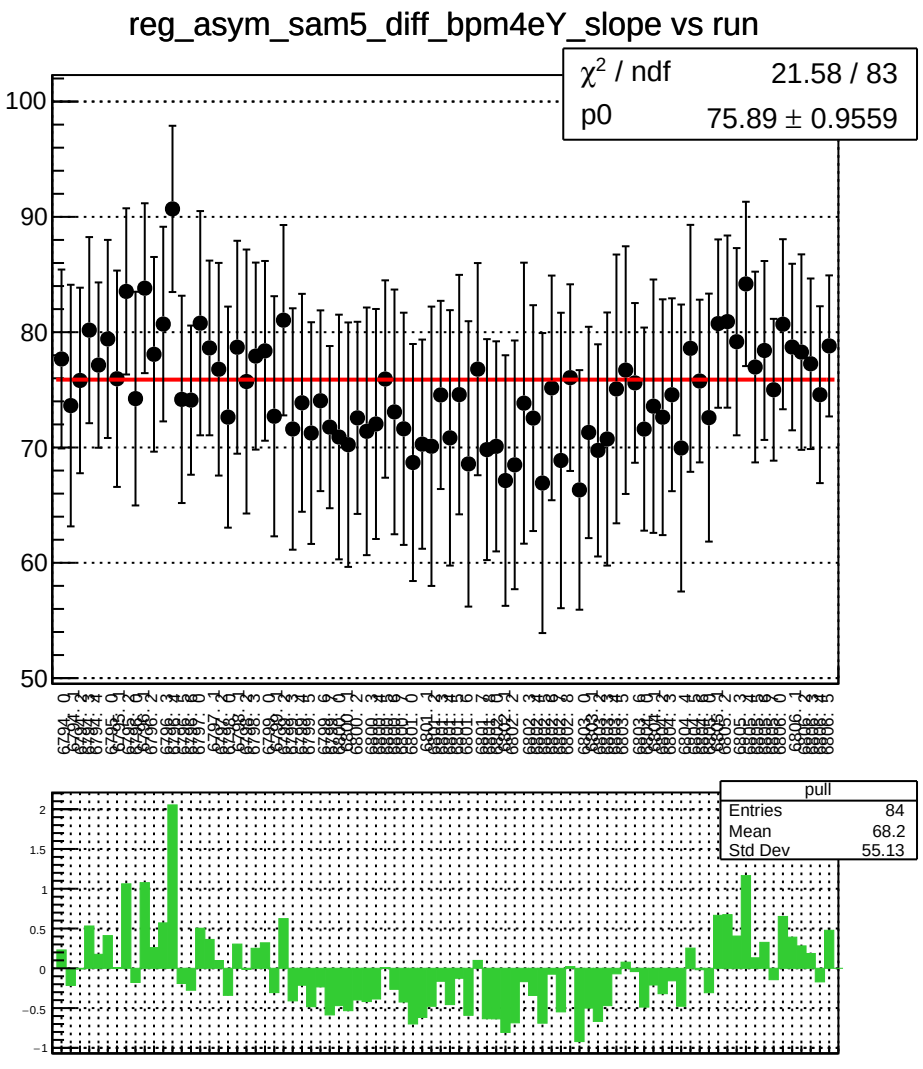

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 28.03 / 83
p0 −0.2278 ± 0.1017
pull
Entries 84
Mean −195.9
Std Dev 269.2
pull1D
Entries 84
Mean 0.01463
Std Dev 0.5775

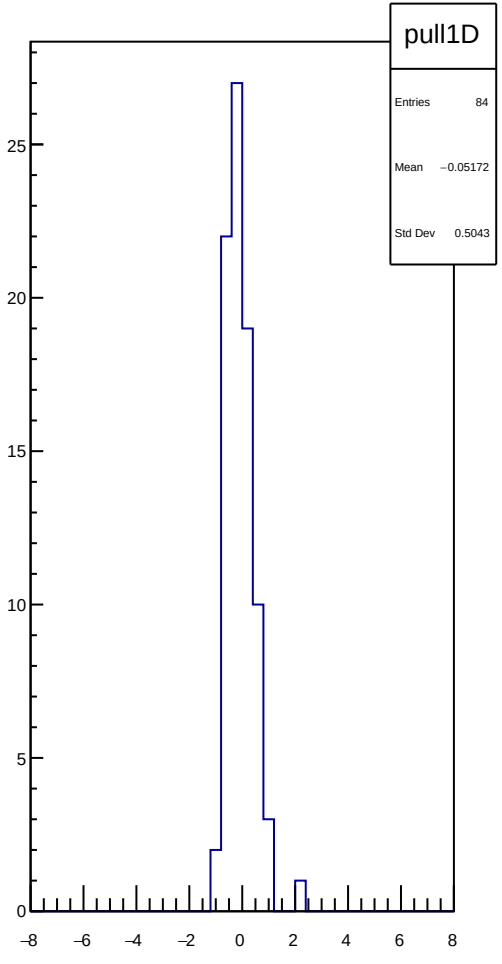

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 6.458 / 83
p0 13.22 ± 1.395
pull
Entries 84
Mean 23.86
Std Dev 56.54

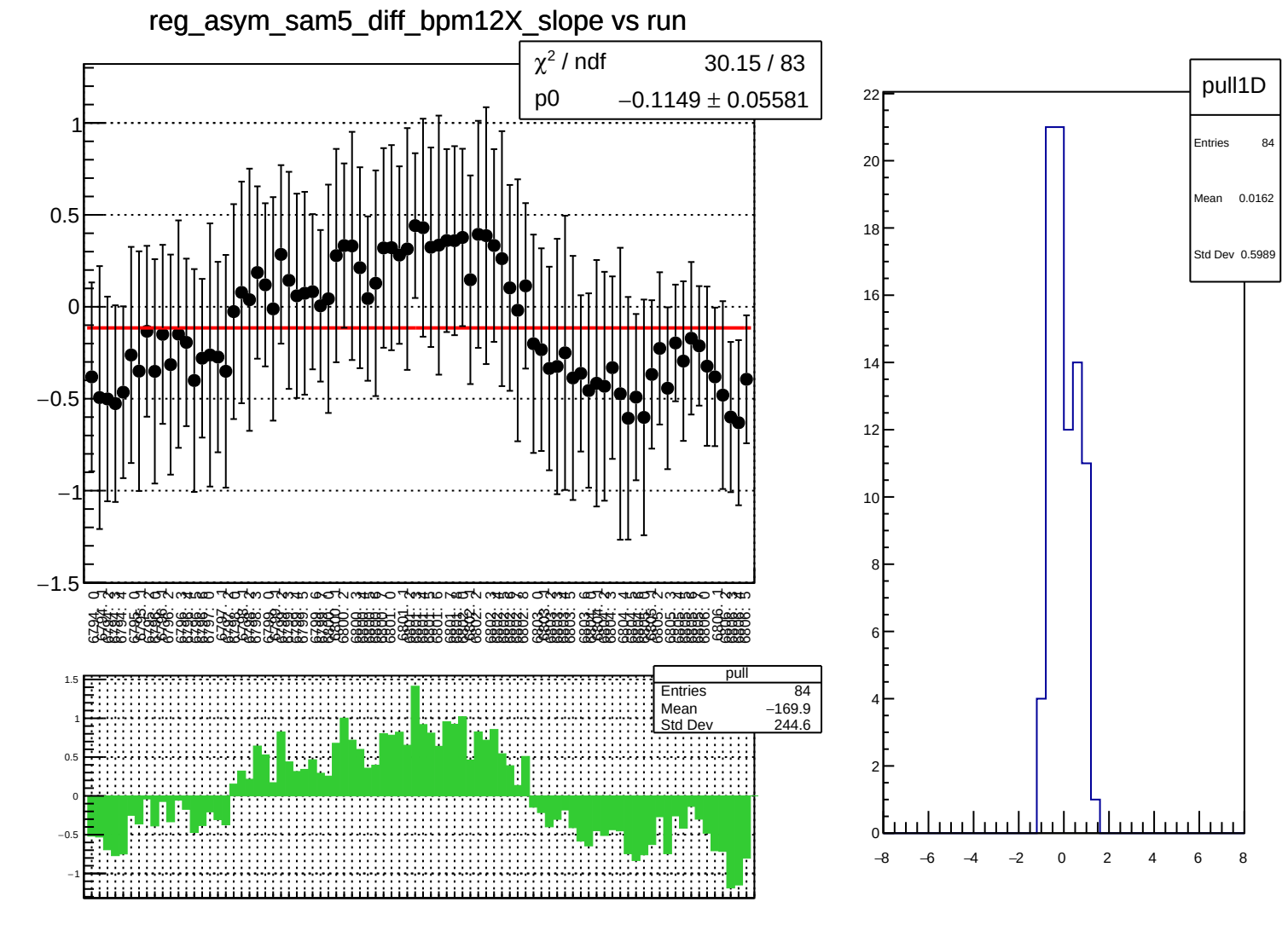

pull1D
Entries 84
Mean 0.01592
Std Dev 0.2768

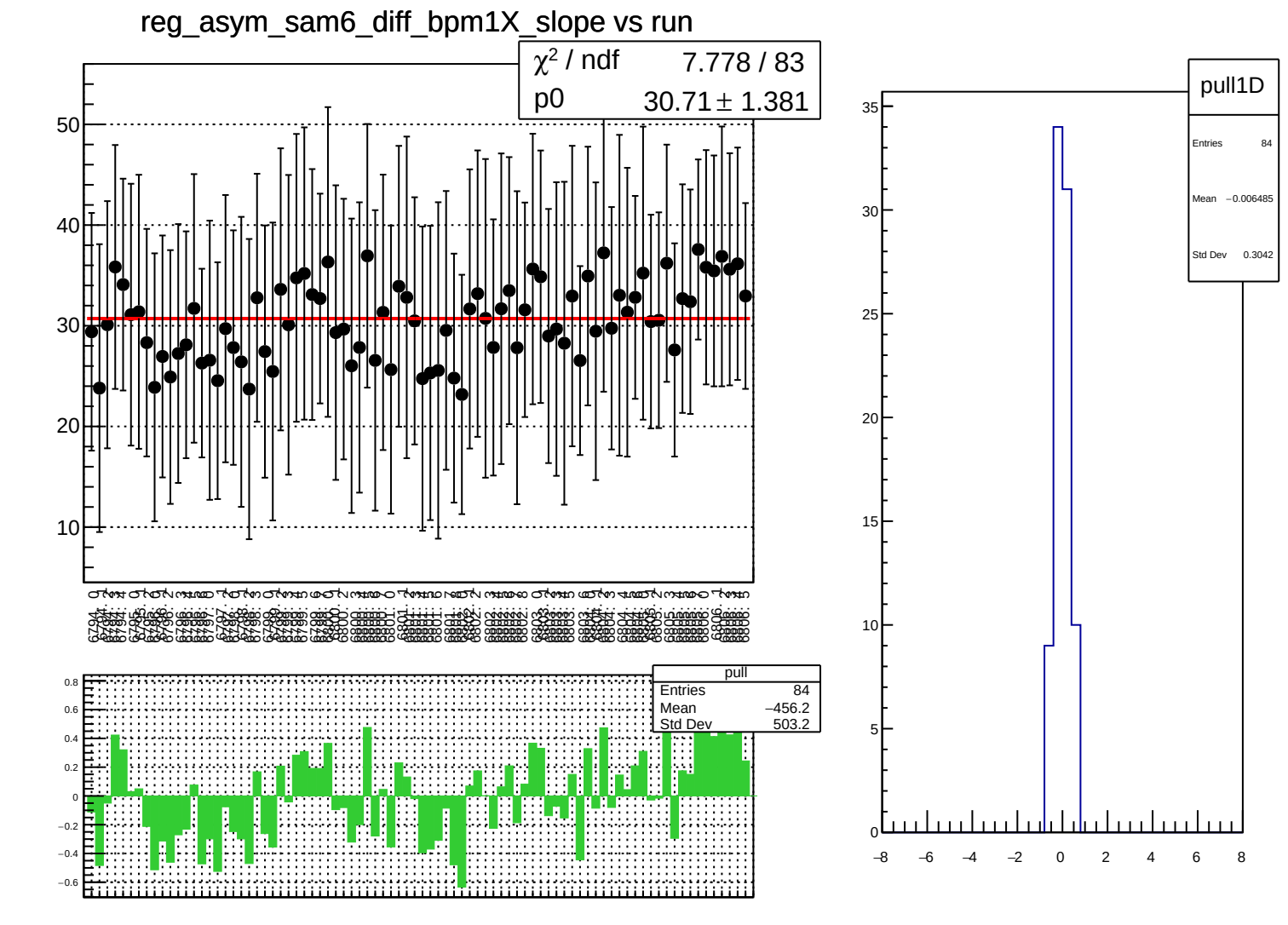

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 18.18 / 83
p0 58.2 ± 0.6928
pull
Entries 84
Mean 156.5
Std Dev 126.1
pull1D
Entries 84
Mean 0.03069
Std Dev 0.4642

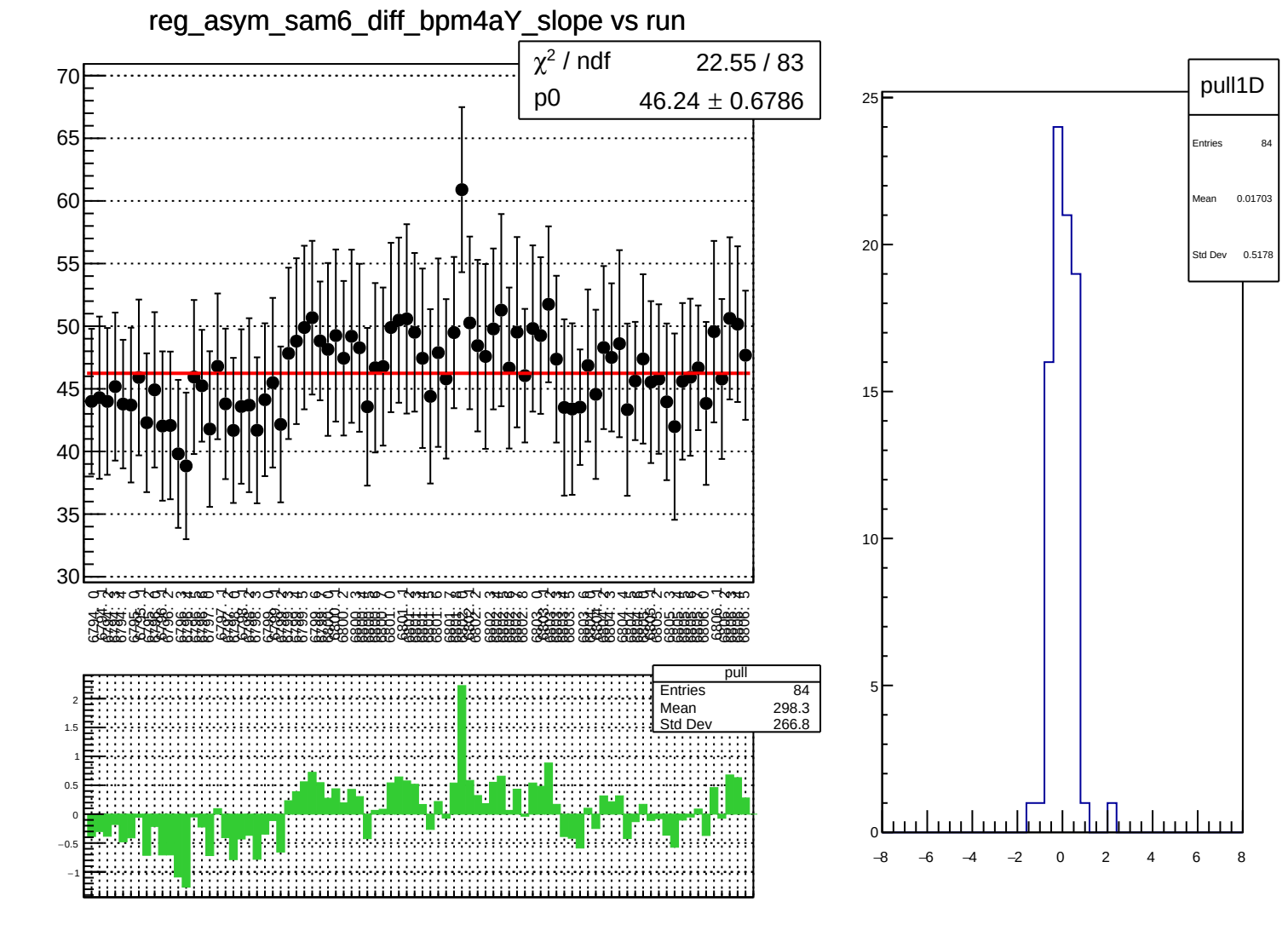

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 7.058 / 83
p0 −2.262 ± 1.307
pull
Entries 84
Mean 31.12
Std Dev 60.76
pull1D
Entries 84
Mean −0.01543
Std Dev 0.2895

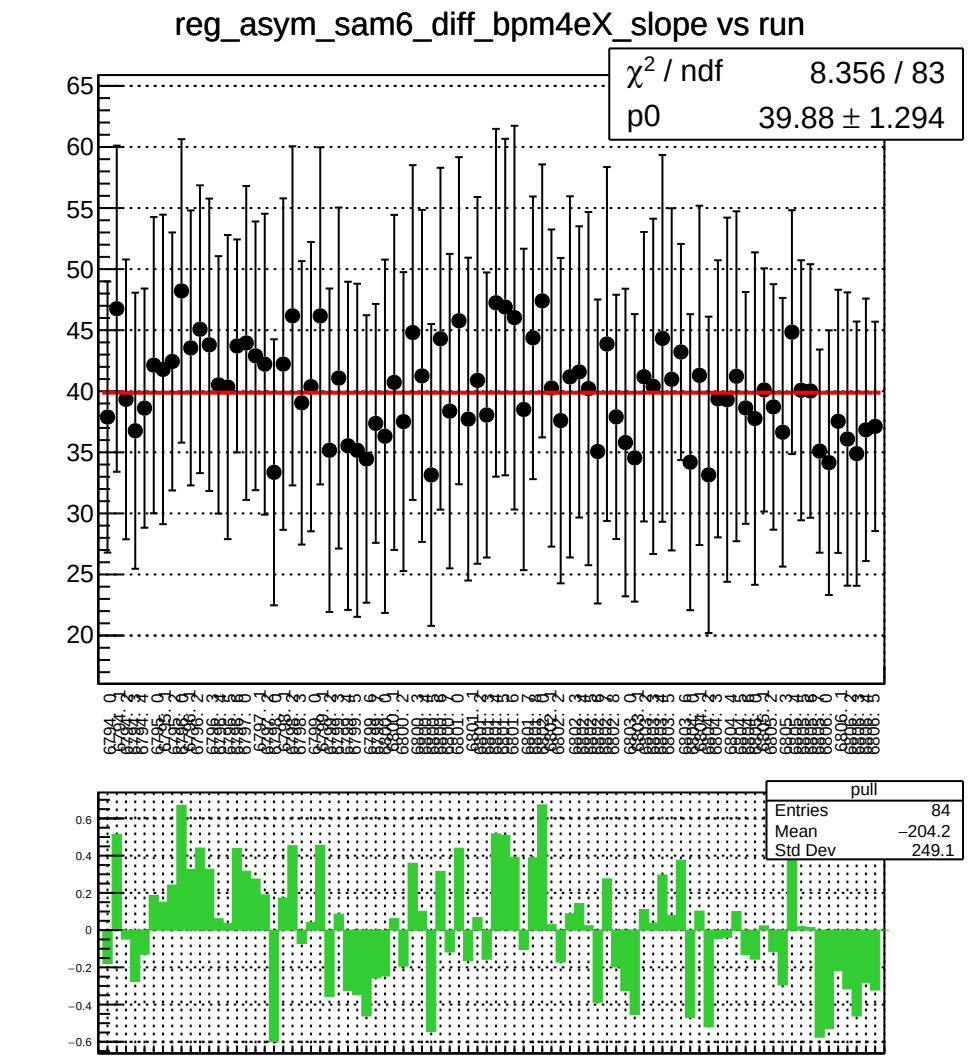

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 21.58 / 83
p0 75.89 ± 0.9559
pull
Entries 84
Mean 68.2
Std Dev 55.13

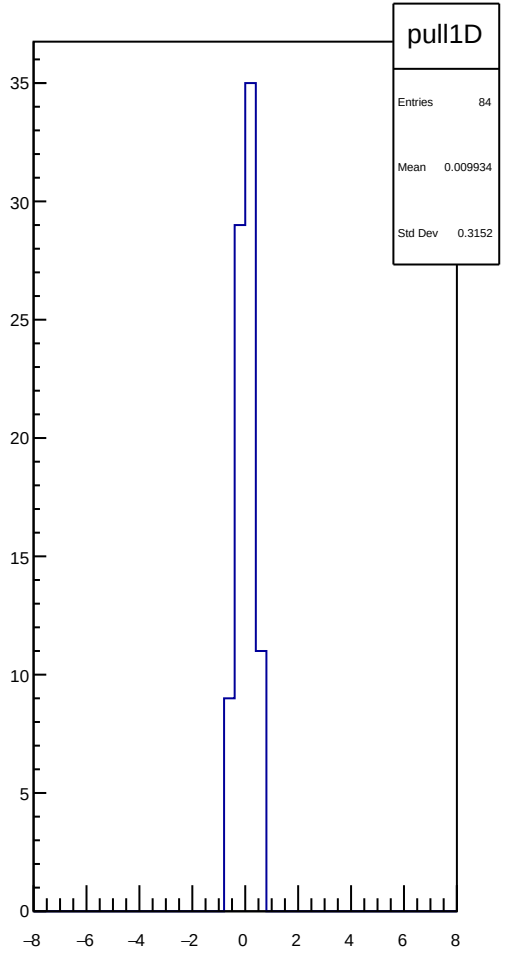

pull1D
Entries 84
Mean −0.05172
Std Dev 0.5043

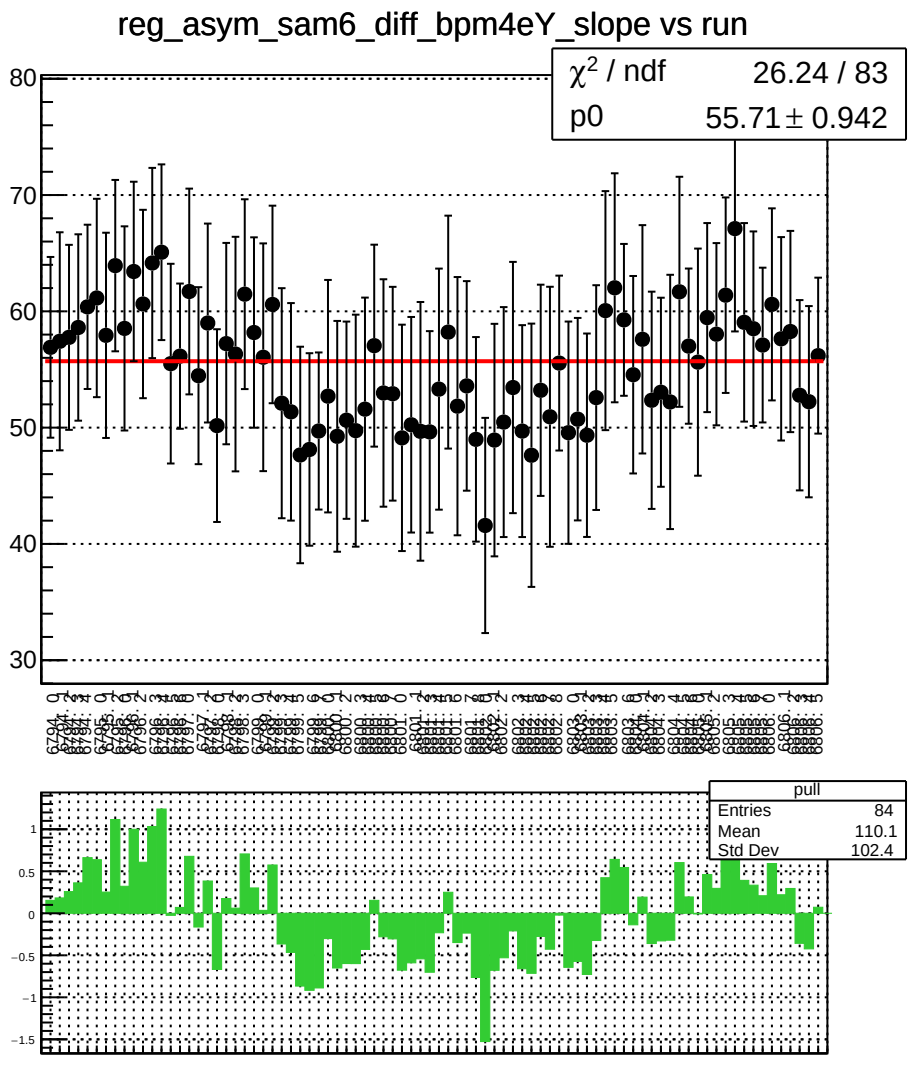

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 30.15 / 83
p0 −0.1149 ± 0.05581
pull
Entries 84
Mean −169.9
Std Dev 244.6
pull1D
Entries 84
Mean 0.0162
Std Dev 0.5989

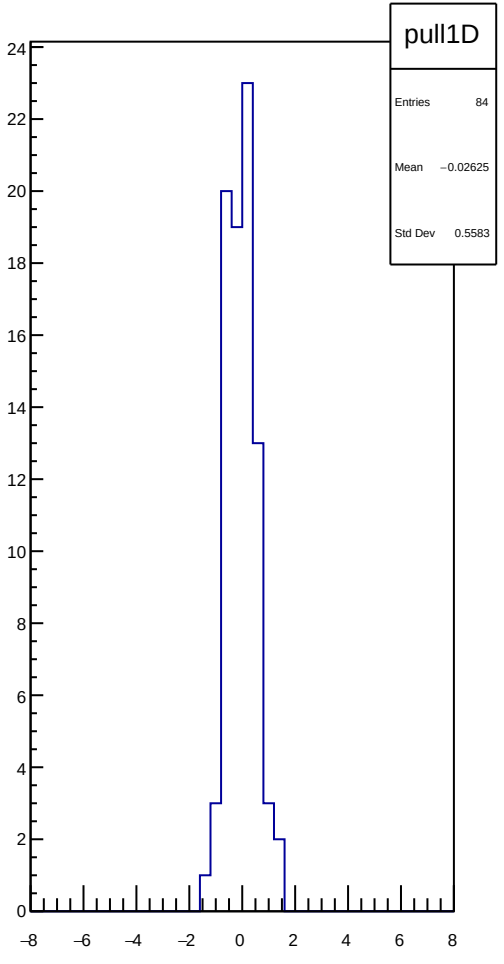

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 7.778 / 83
p0 30.71 ± 1.381
pull
Entries 84
Mean −456.2
Std Dev 503.2
pull1D
Entries 84
Mean −0.006485
Std Dev 0.3042

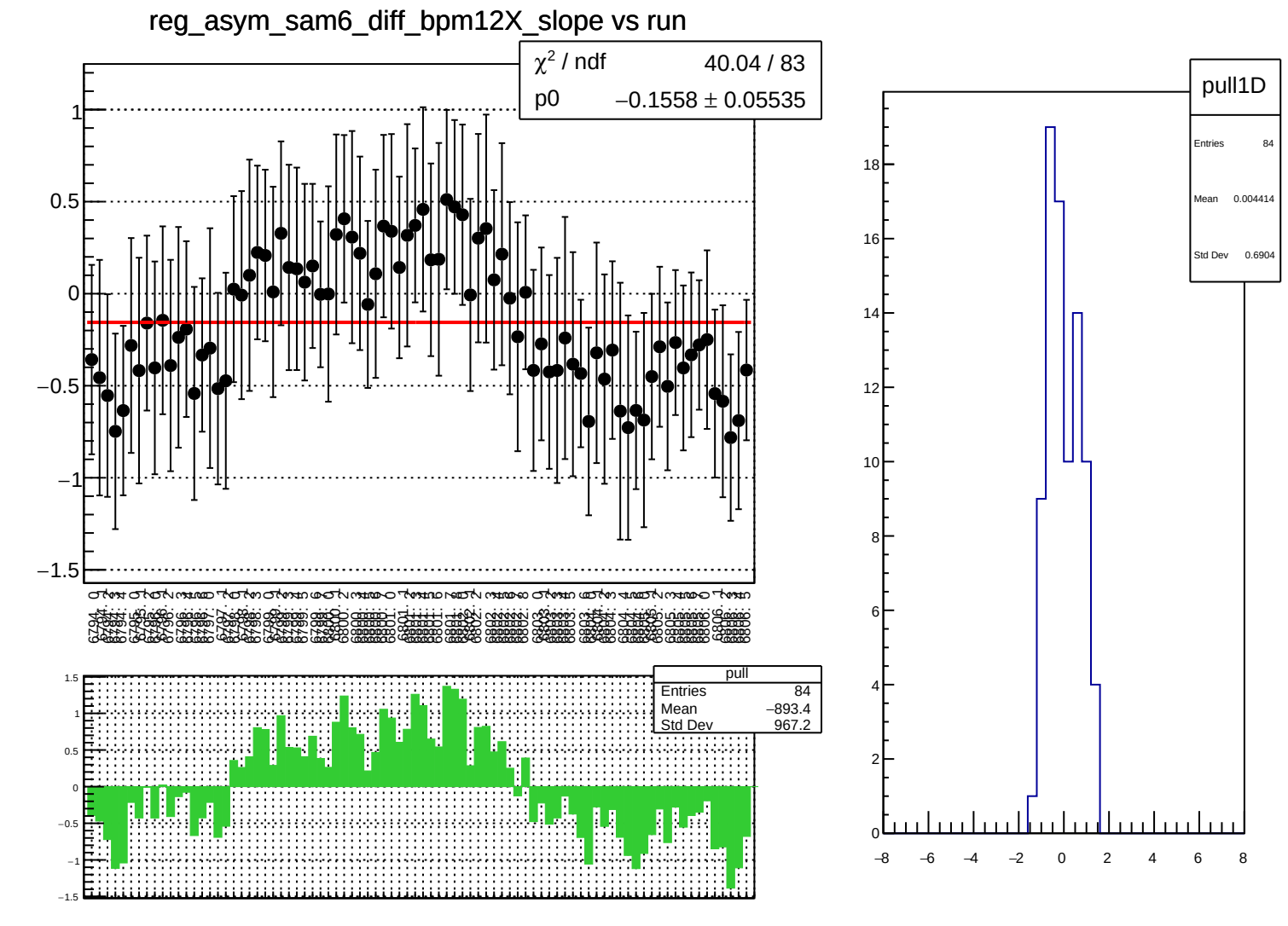

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 22.55 / 83
p0 46.24 ± 0.6786
pull
Entries 84
Mean 298.3
Std Dev 266.8
pull1D
Entries 84
Mean 0.01703
Std Dev 0.5178

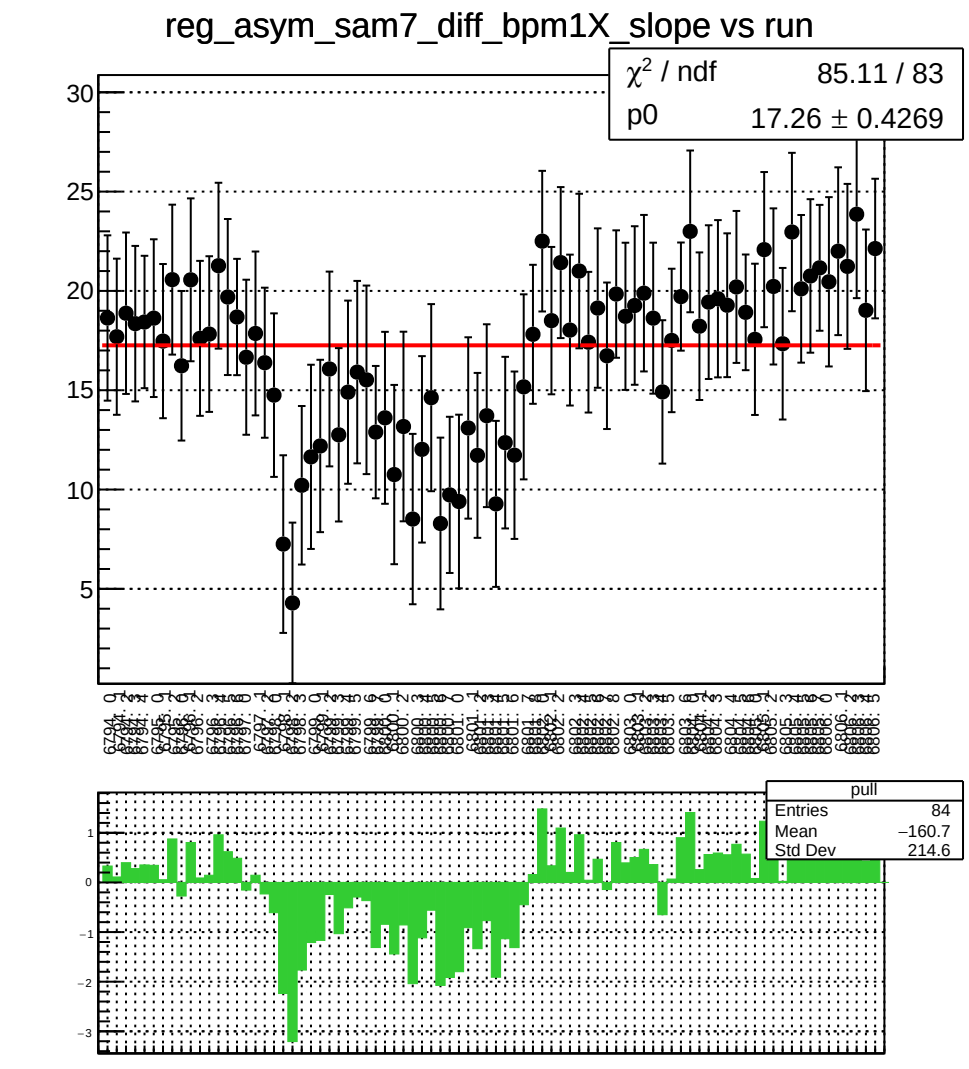

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 8.356 / 83
p0 39.88 ± 1.294
pull
Entries 84
Mean −204.2
Std Dev 249.1

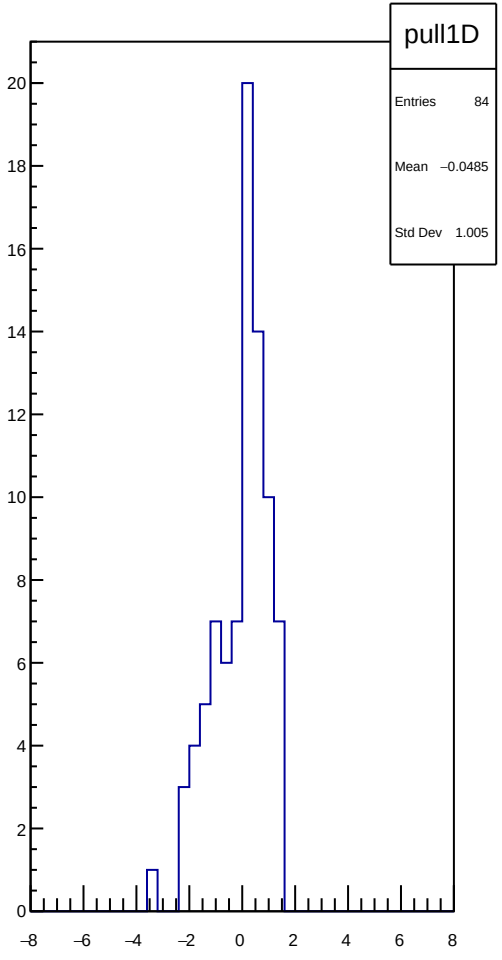

pull1D
Entries 84
Mean 0.009934
Std Dev 0.3152

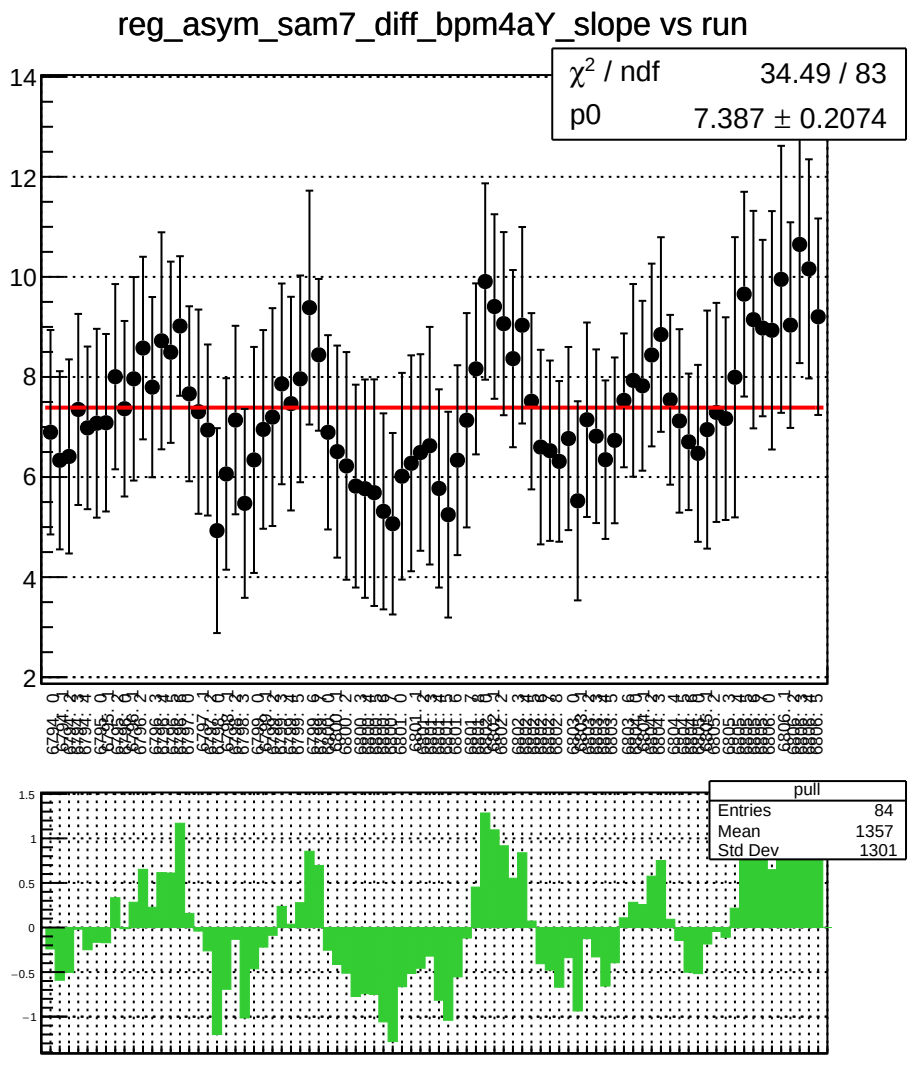

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 26.24 / 83
p0 55.71 ± 0.942
pull
Entries 84
Mean 110.1
Std Dev 102.4

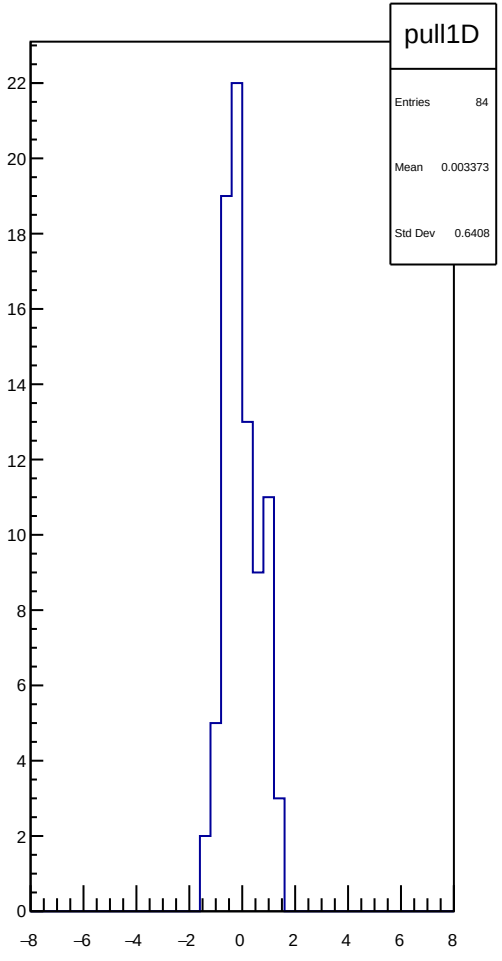

pull1D
Entries 84
Mean −0.02625
Std Dev 0.5583

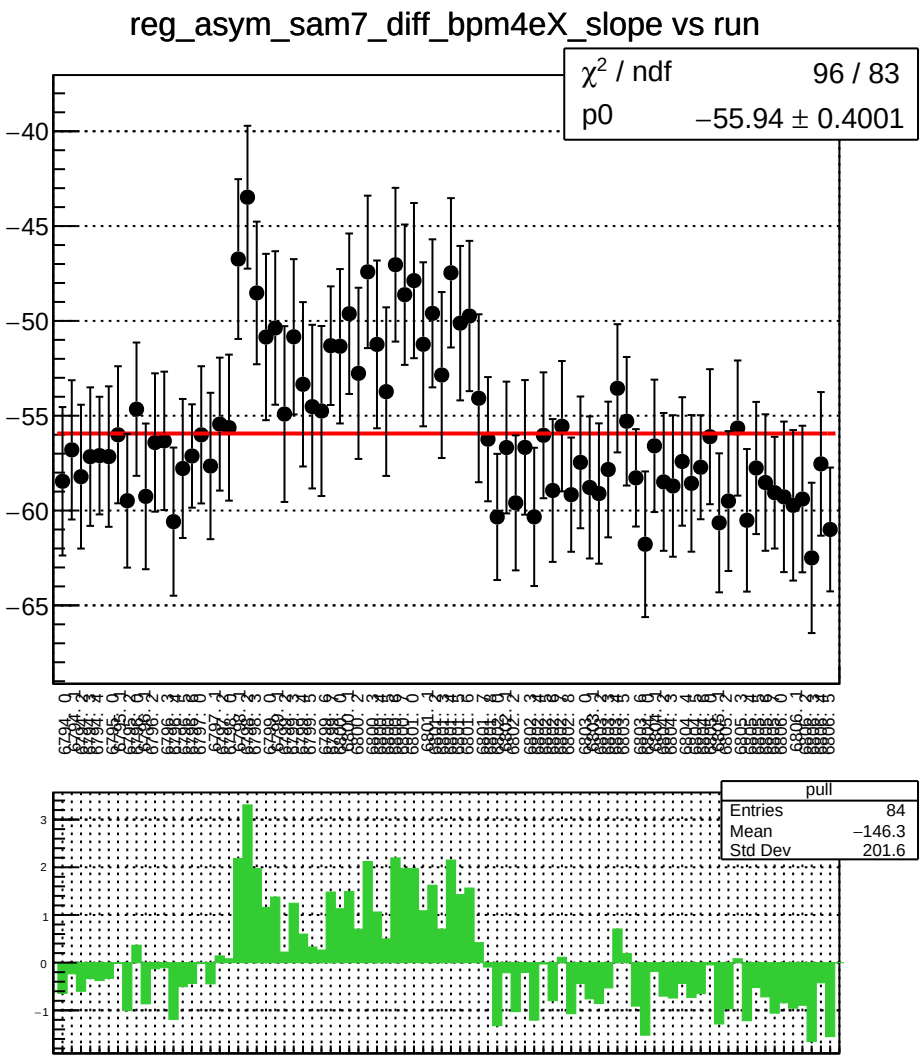

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 40.04 / 83
p0 −0.1558 ± 0.05535
pull
Entries 84
Mean −893.4
Std Dev 967.2
pull1D
Entries 84
Mean 0.004414
Std Dev 0.6904

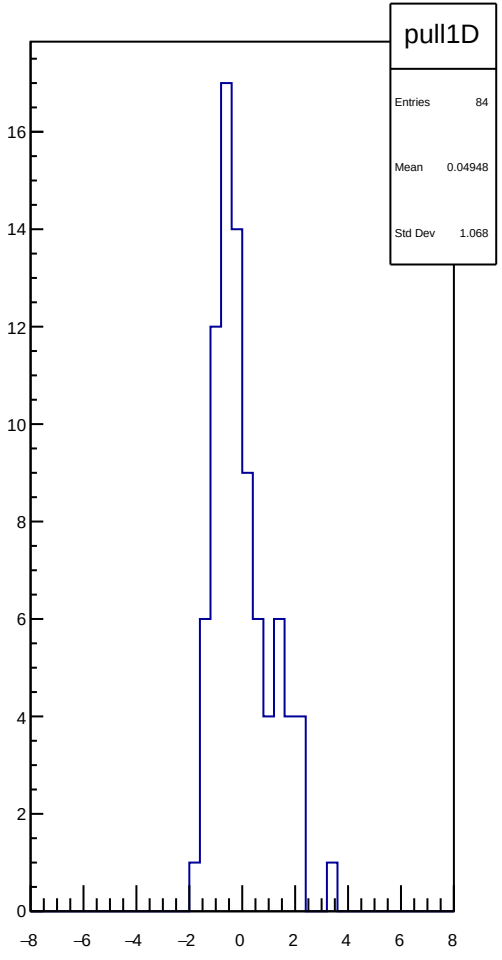

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 85.11 / 83
p0 17.26 ± 0.4269
pull
Entries 84
Mean −160.7
Std Dev 214.6

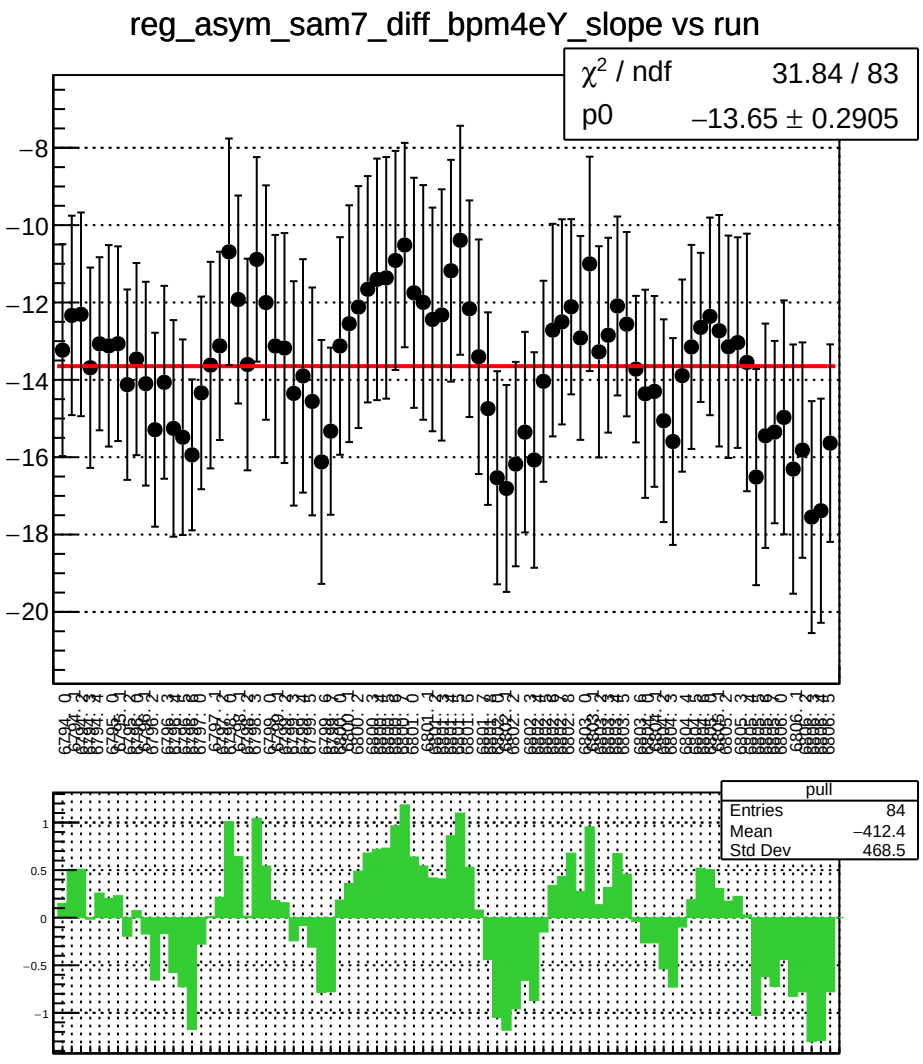

pull1D
Entries 84
Mean −0.0485
Std Dev 1.005

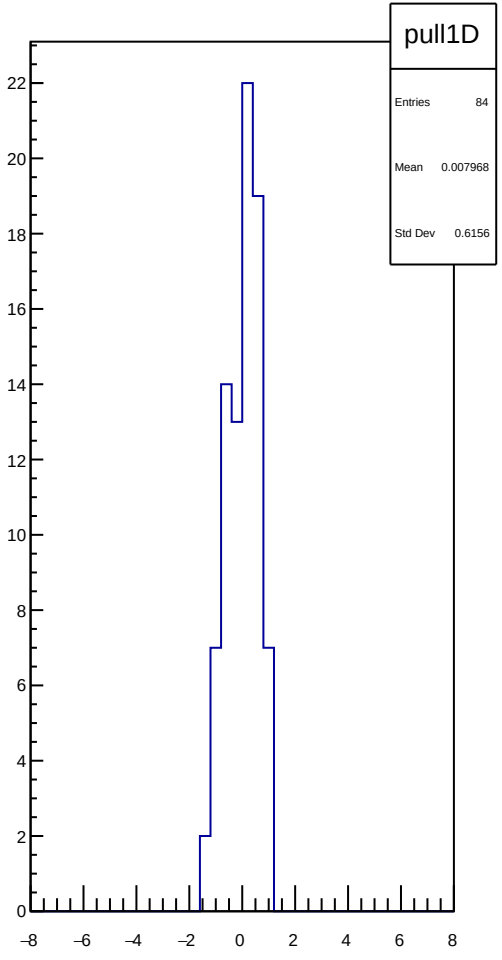

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 34.49 / 83
p0 7.387 ± 0.2074
pull
Entries 84
Mean 1357
Std Dev 1301

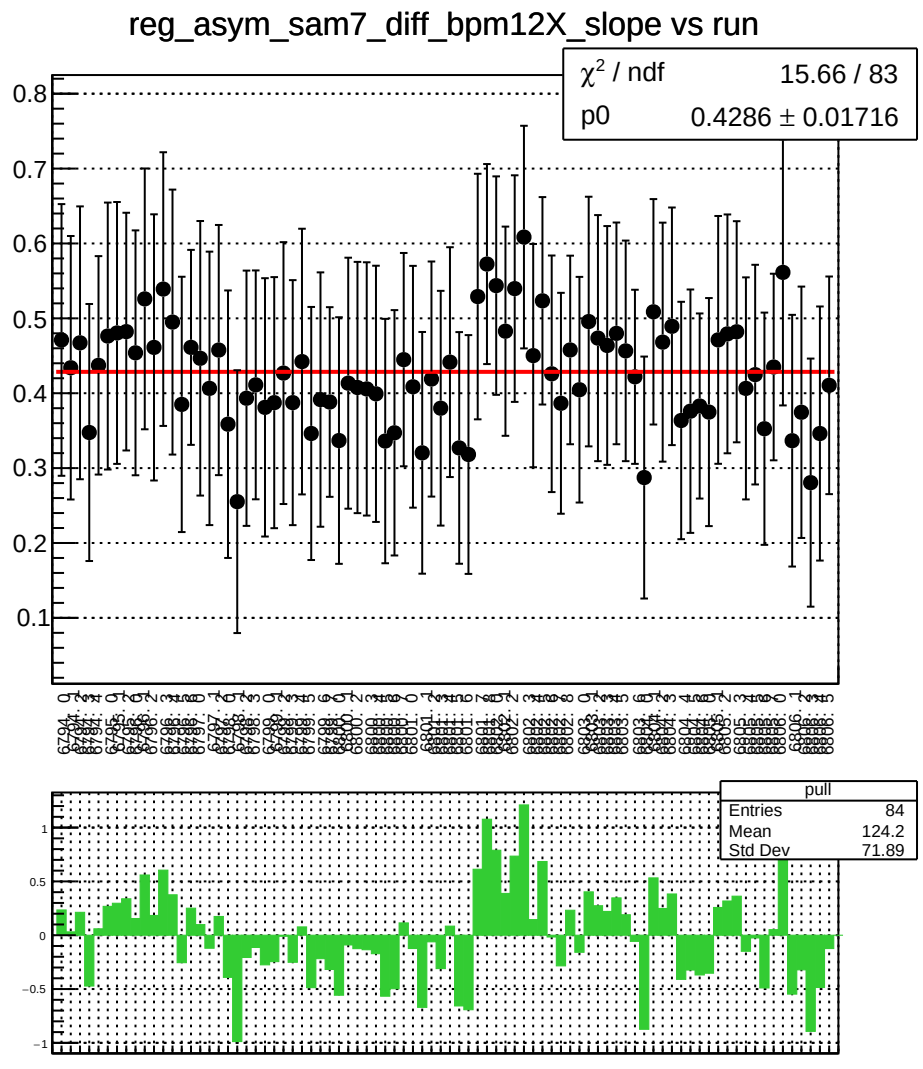

pull1D
Entries 84
Mean 0.003373
Std Dev 0.6408

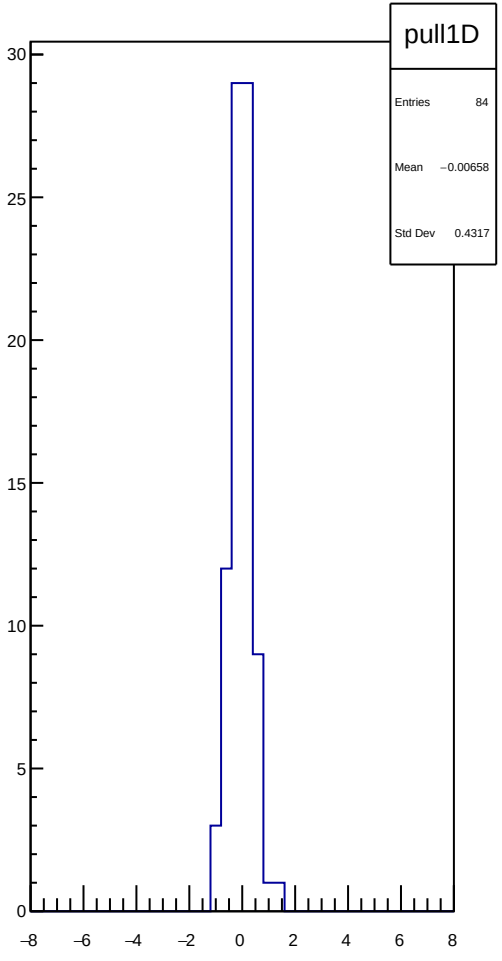

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 96 / 83
p0 −55.94 ± 0.4001
pull
Entries 84
Mean −146.3
Std Dev 201.6

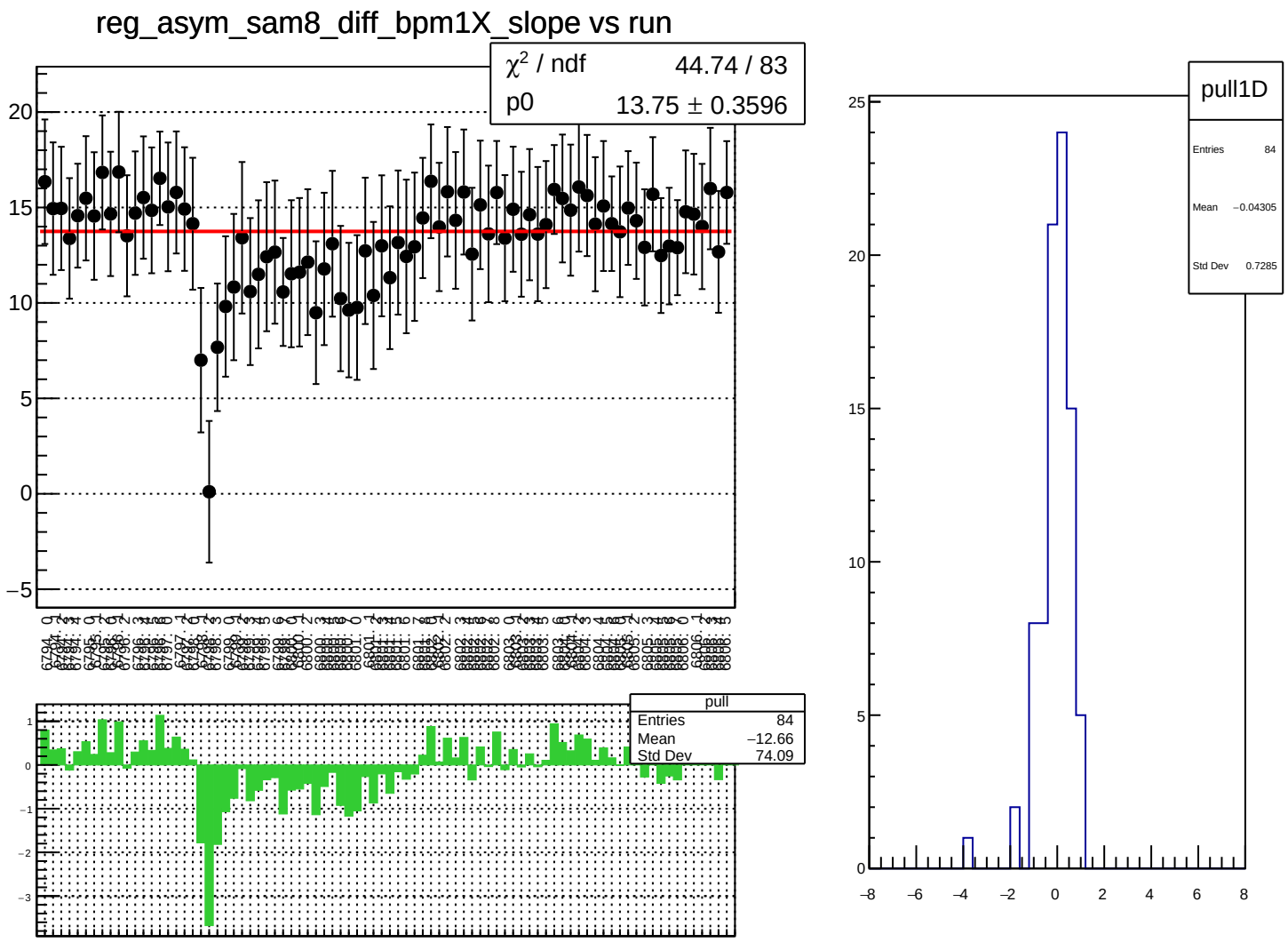

pull1D
Entries 84
Mean 0.04948
Std Dev 1.068

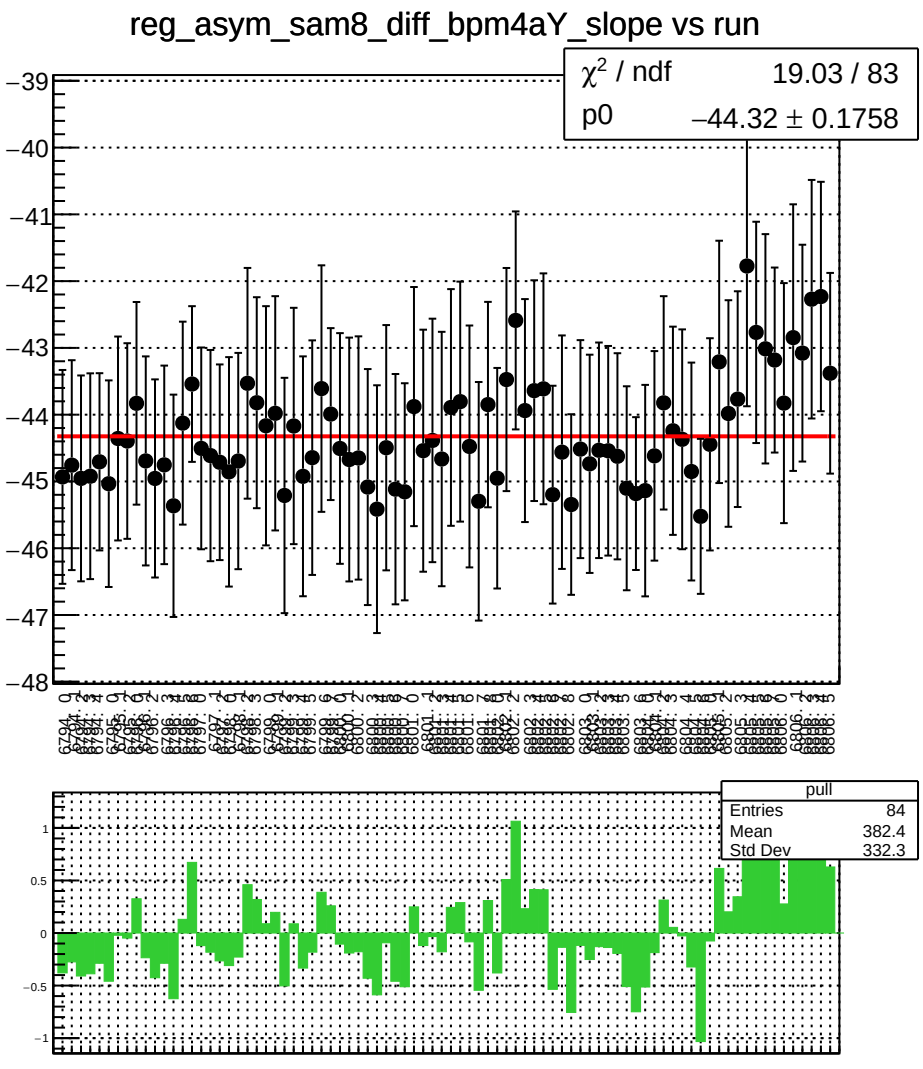

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 31.84 / 83
p0 −13.65 ± 0.2905
pull
Entries 84
Mean −412.4
Std Dev 468.5

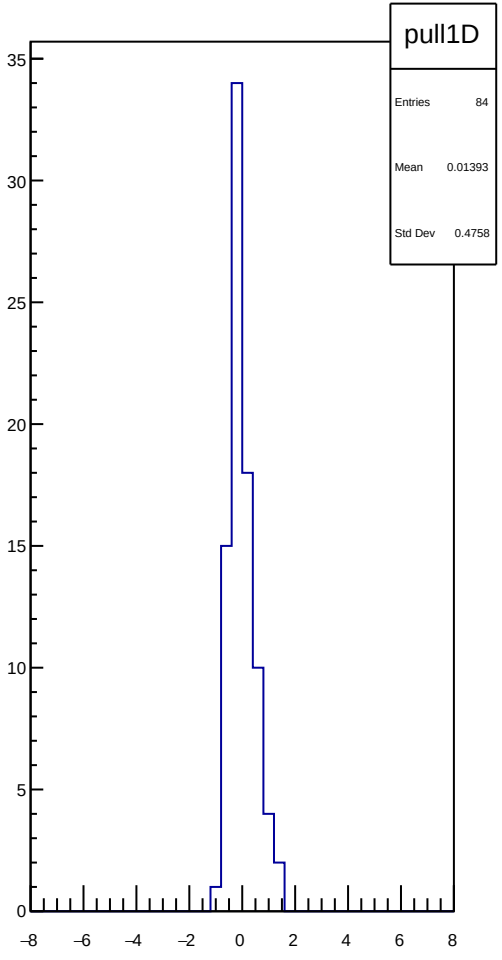

pull1D
Entries 84
Mean 0.007968
Std Dev 0.6156

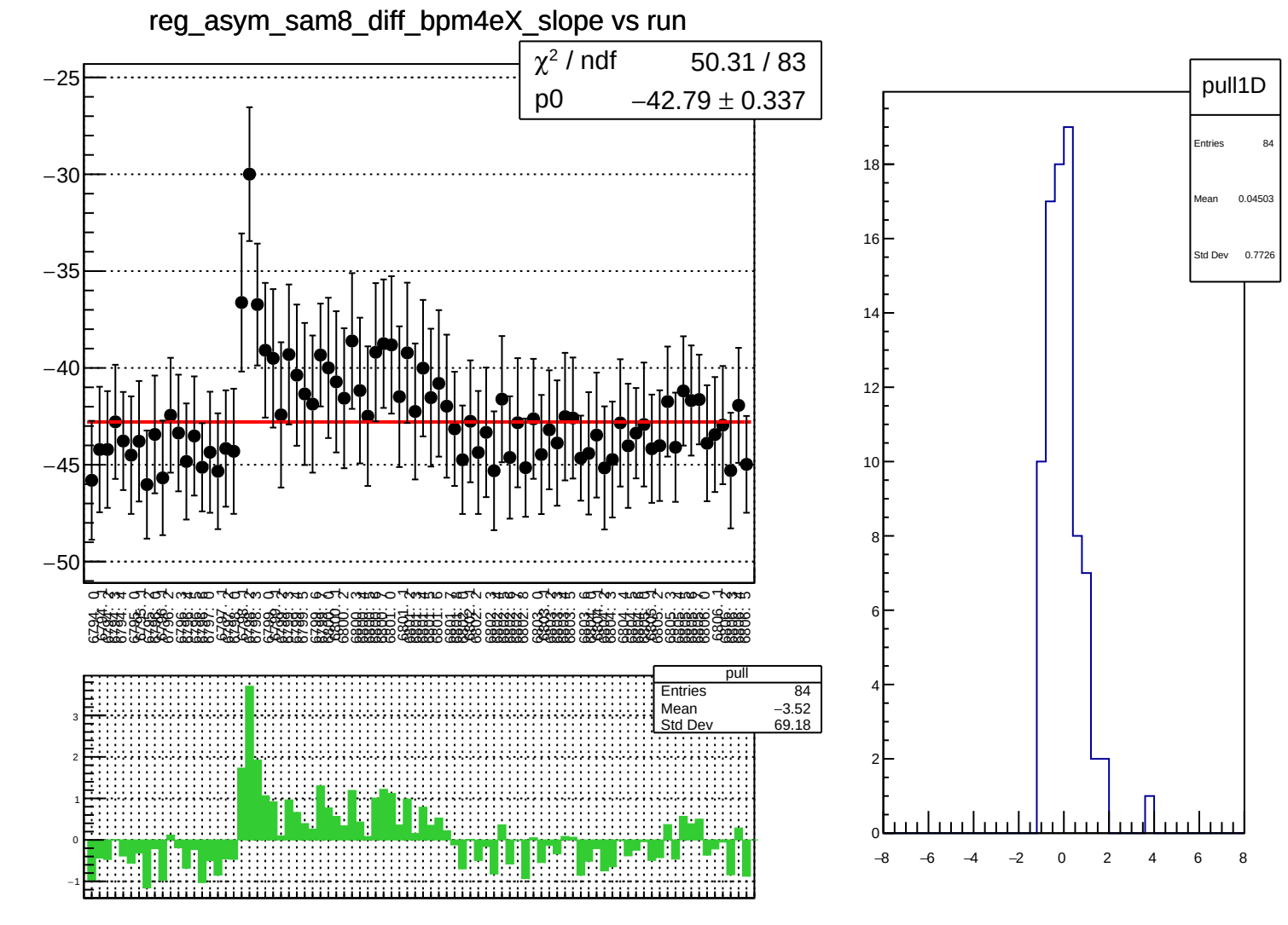

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 15.66 / 83
p0 0.4286 ± 0.01716
pull
Entries 84
Mean 124.2
Std Dev 71.89

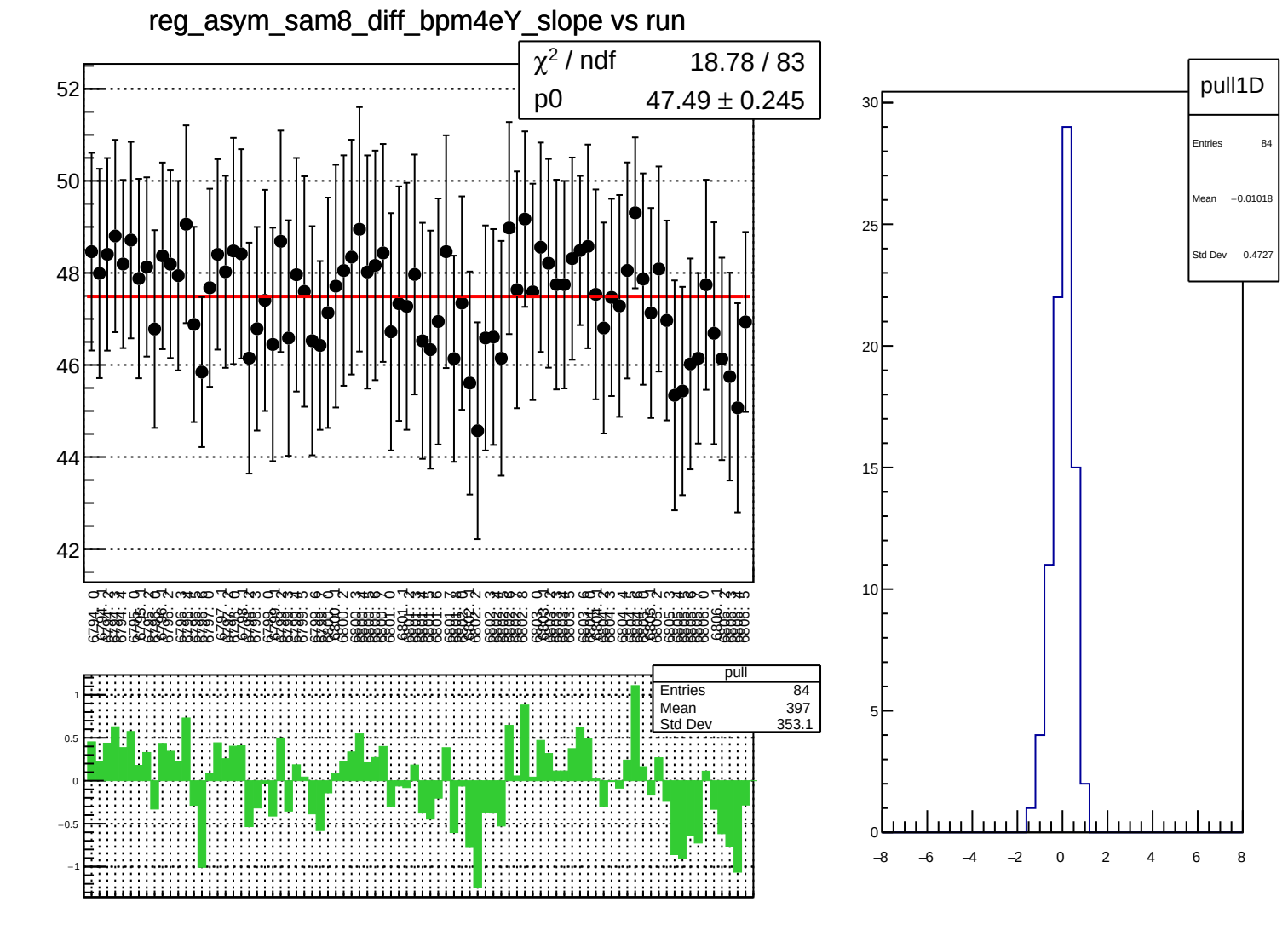

pull1D
Entries 84
Mean −0.00658
Std Dev 0.4317

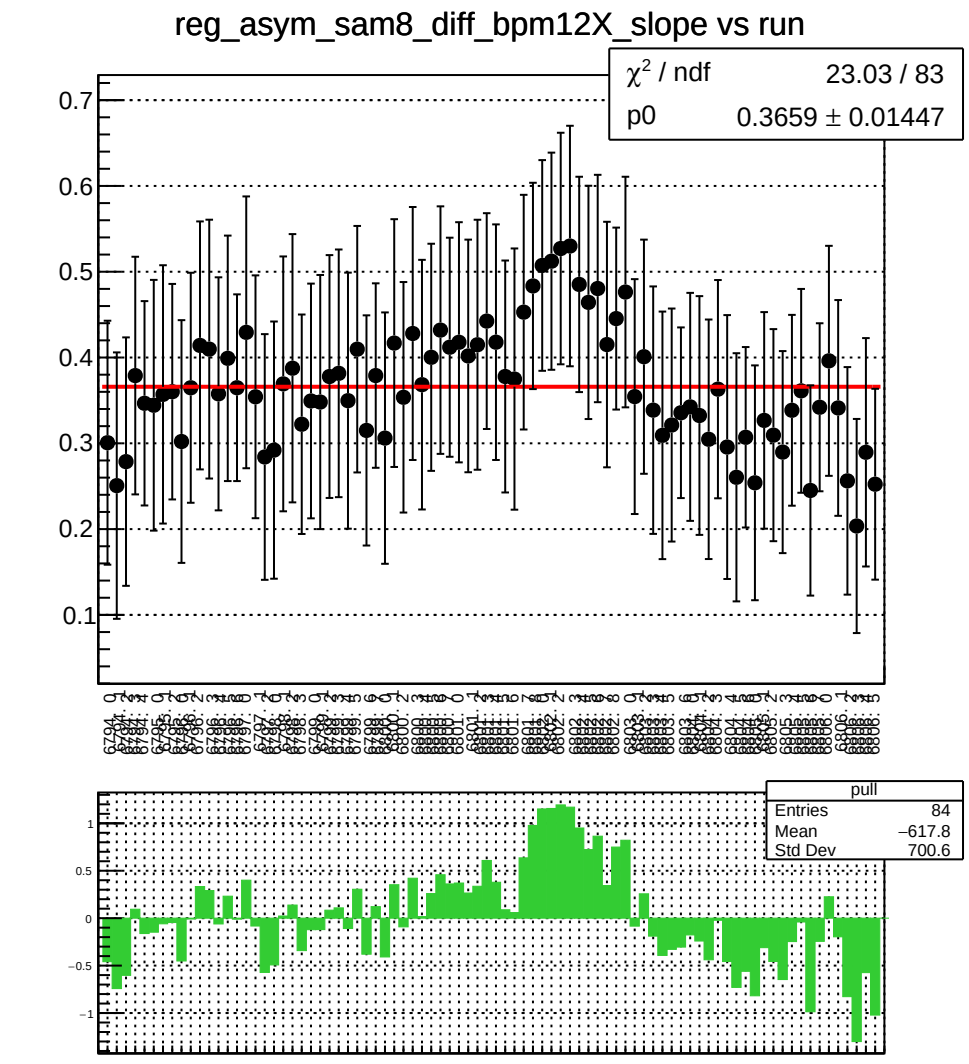

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 44.74 / 83
p0 13.75 ± 0.3596
pull
Entries 84
Mean −12.66
Std Dev 74.09
pull1D
Entries 84
Mean −0.04305
Std Dev 0.7285

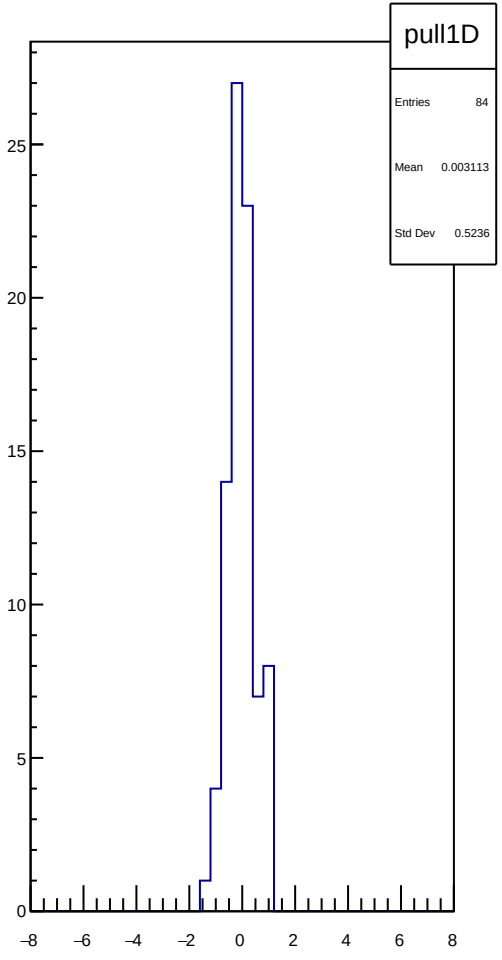

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 19.03 / 83
p0 −44.32 ± 0.1758
pull
Entries 84
Mean 382.4
Std Dev 332.3

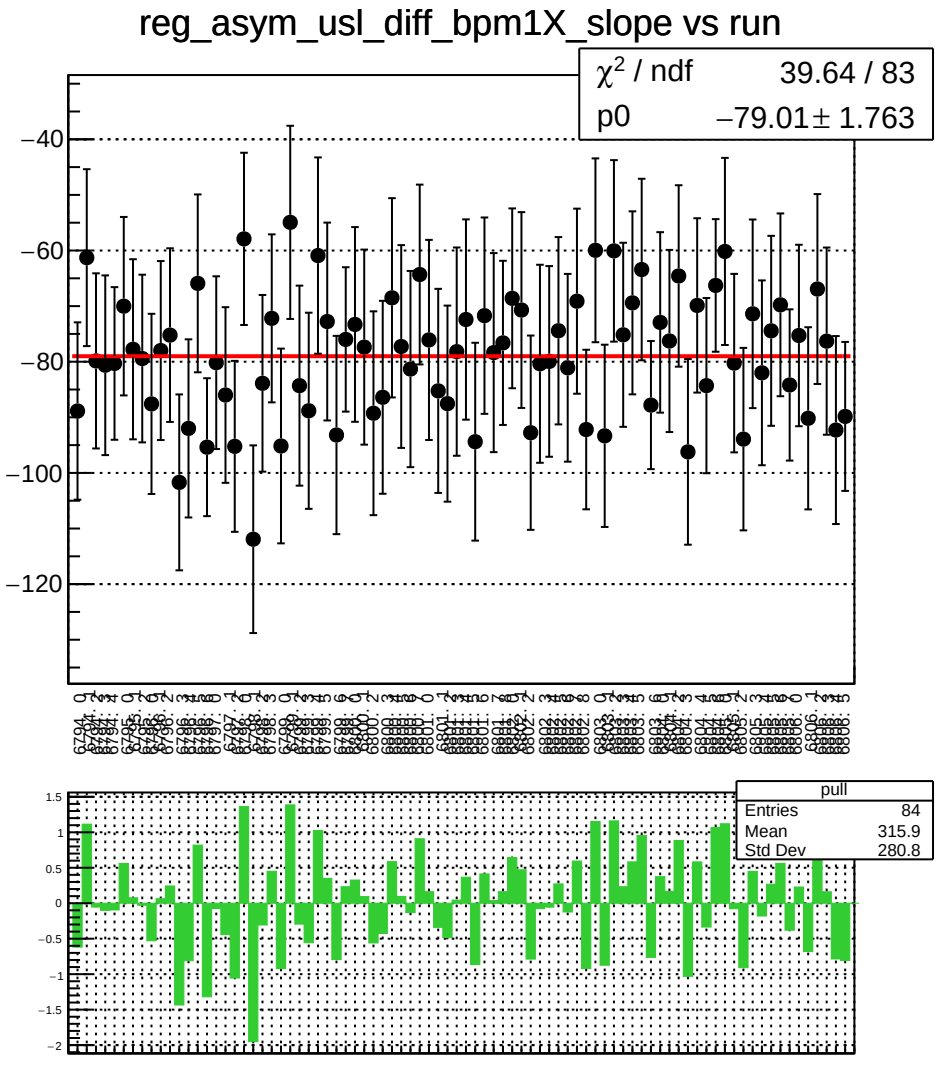

pull1D
Entries 84
Mean 0.01393
Std Dev 0.4758

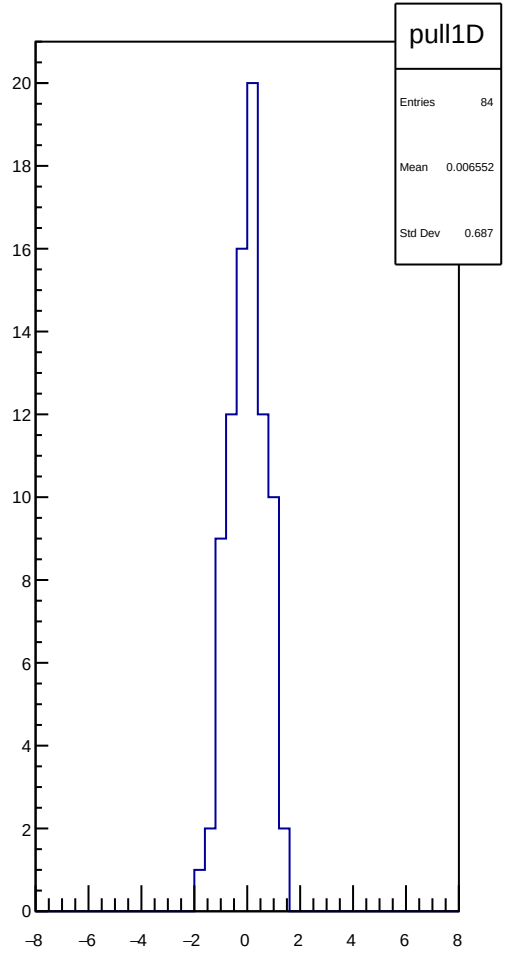

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 50.31 / 83
p0 −42.79 ± 0.337
pull
Entries 84
Mean −3.52
Std Dev 69.18
pull1D
Entries 84
Mean 0.04503
Std Dev 0.7726

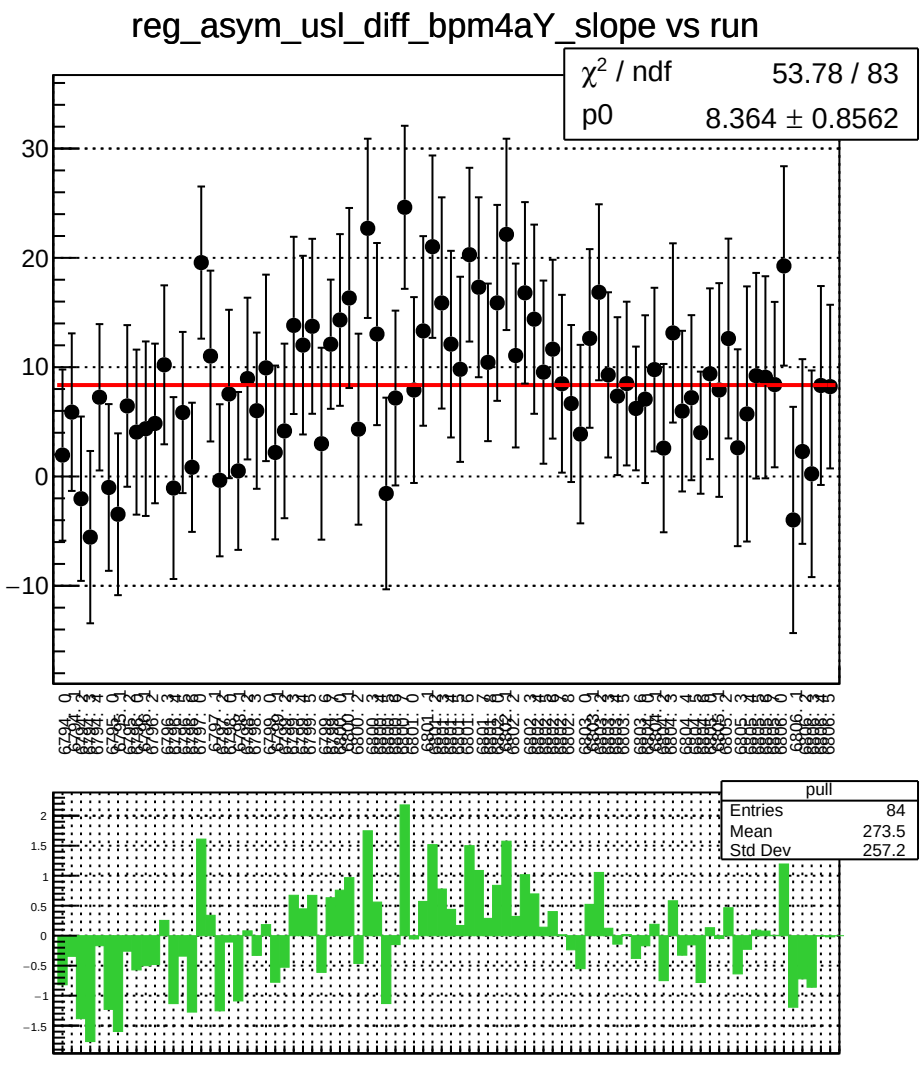

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 18.78 / 83
p0 47.49 ± 0.245
52
50
48
46
44
42
pull
Entries 84
Mean 397
Std Dev 353.1
1
0.5
0
−0.5
−1
pull1D
Entries 84
Mean −0.01018
Std Dev 0.4727
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

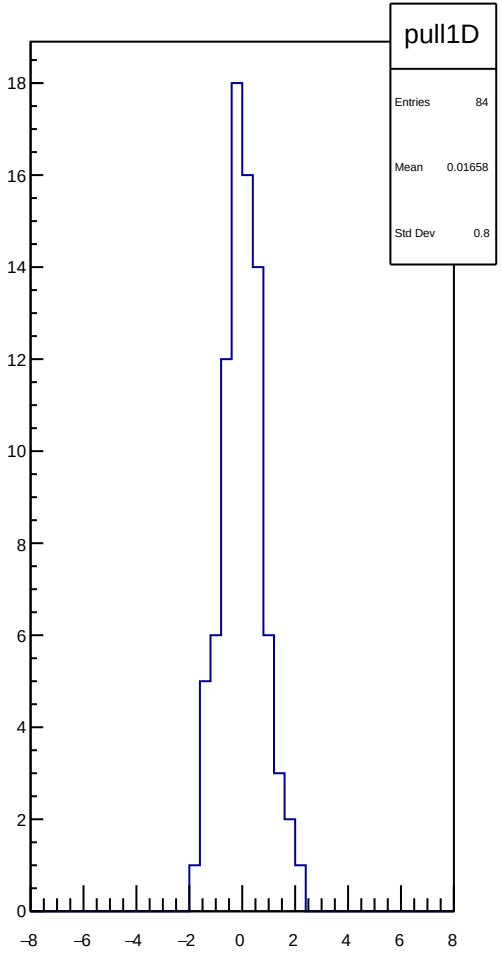

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 23.03 / 83
p0 0.3659 ± 0.01447
pull
Entries 84
Mean −617.8
Std Dev 700.6

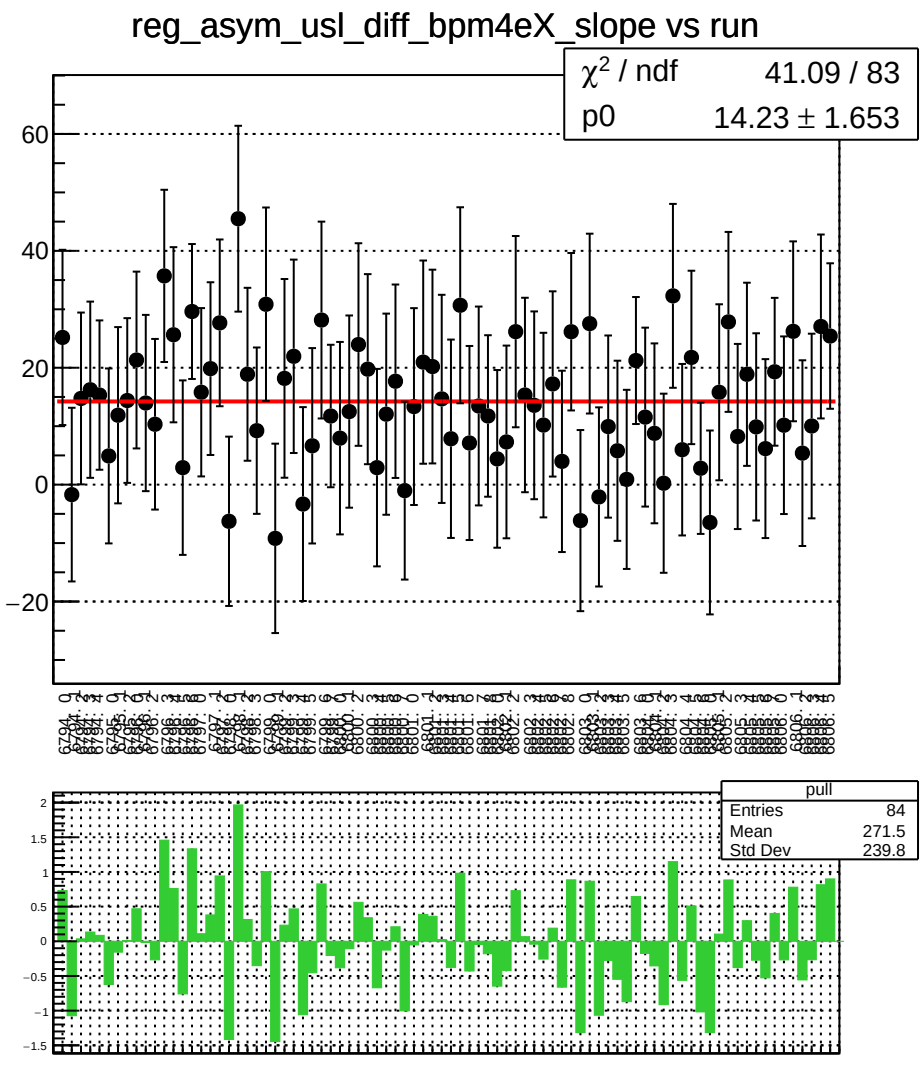

pull1D
Entries 84
Mean 0.003113
Std Dev 0.5236

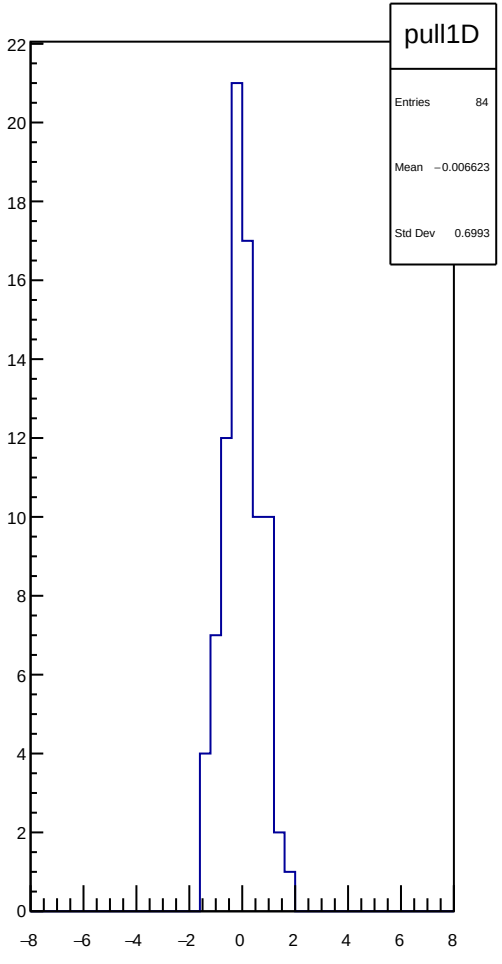

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 39.64 / 83
p0 −79.01± 1.763
−40
−60
−80
−100
−120
pull
Entries 84
Mean 315.9
Std Dev 280.8
1.5
1
0.5
0
−0.5
−1
−1.5
−2

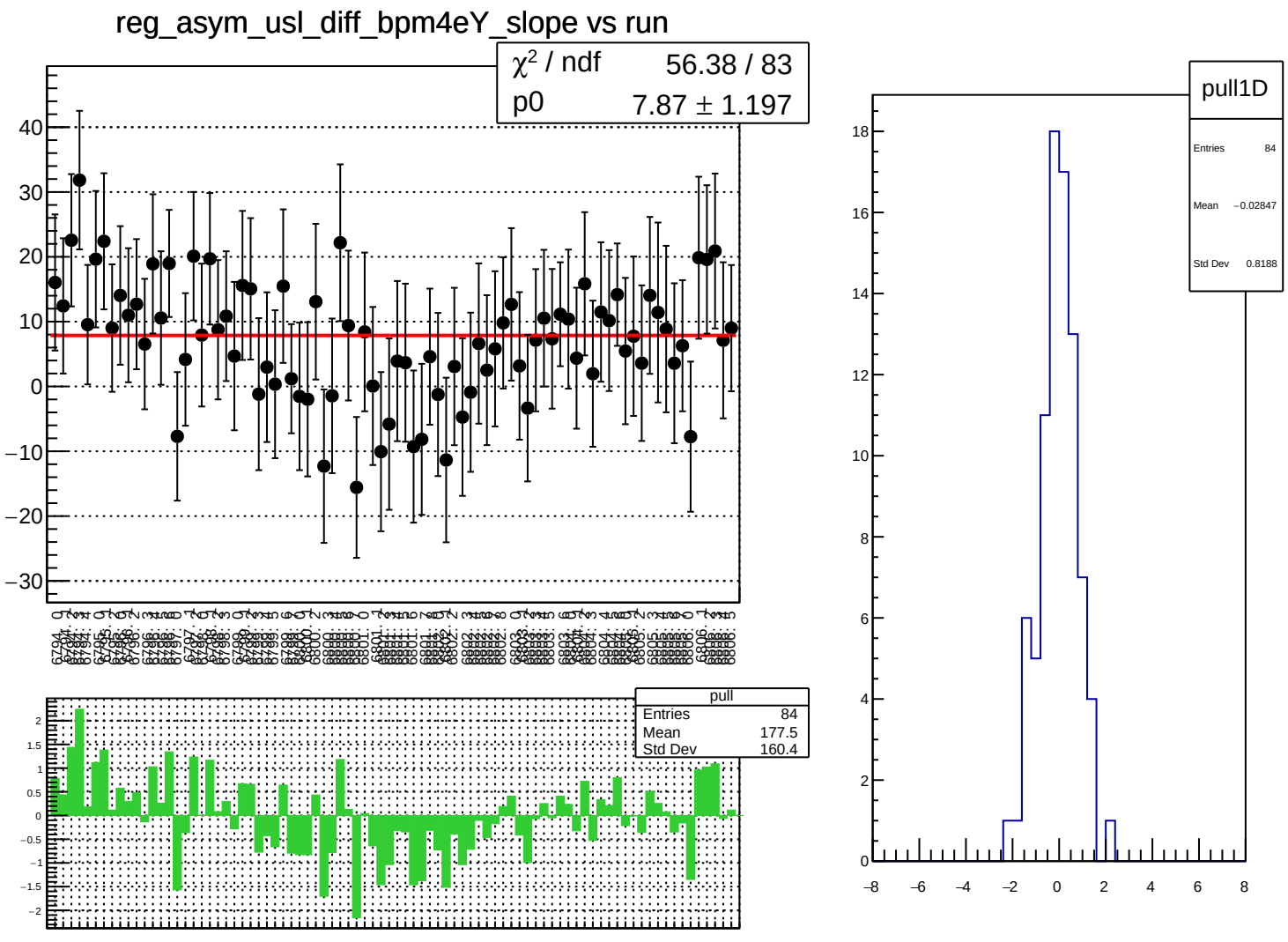

pull1D
Entries 84
Mean 0.006552
Std Dev 0.687
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

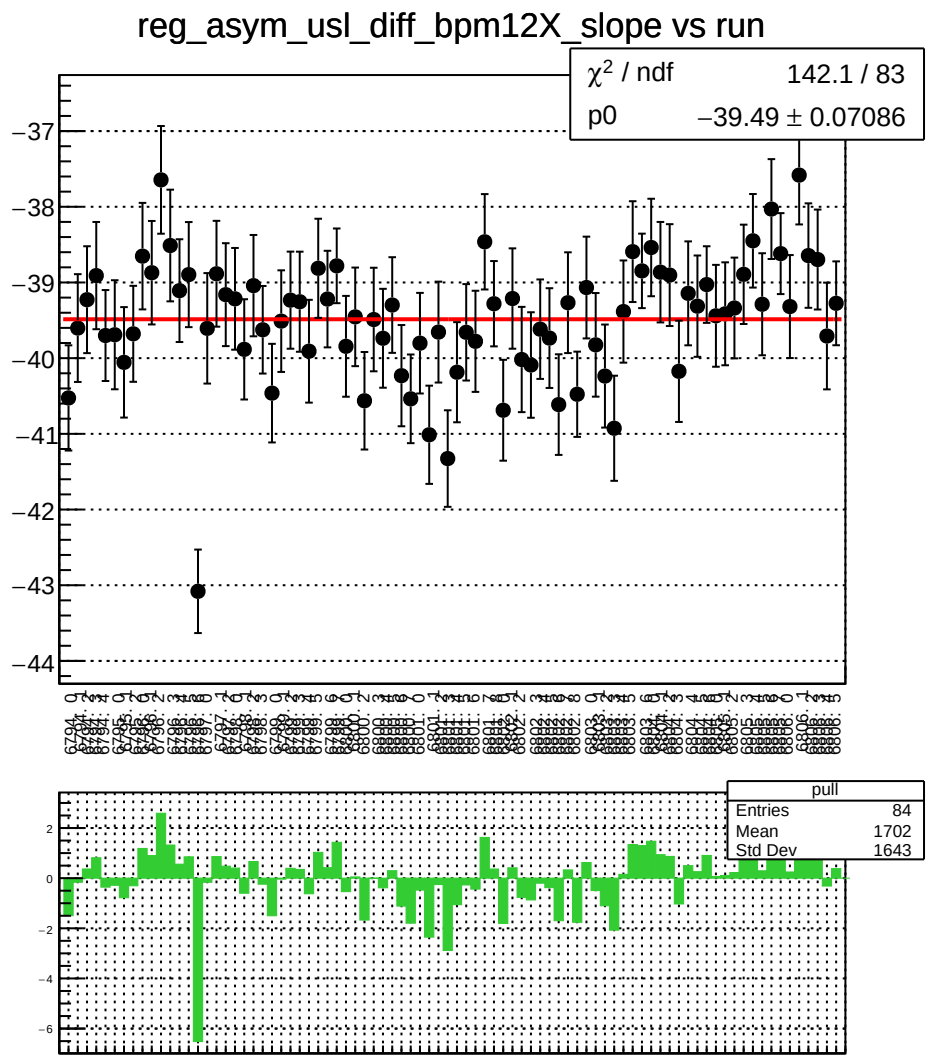

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 53.78 / 83
p0 8.364 ± 0.8562
pull
Entries 84
Mean 273.5
Std Dev 257.2

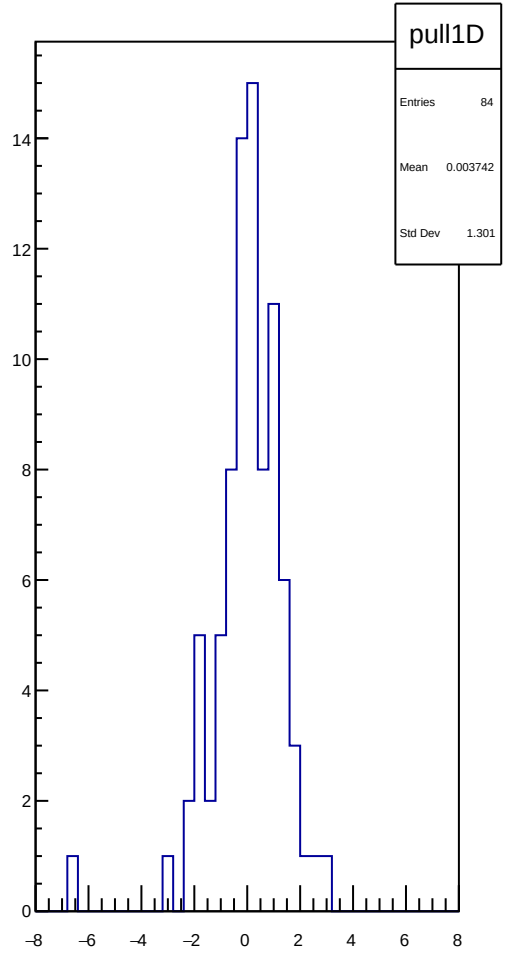

pull1D
Entries 84
Mean 0.01658
Std Dev 0.8

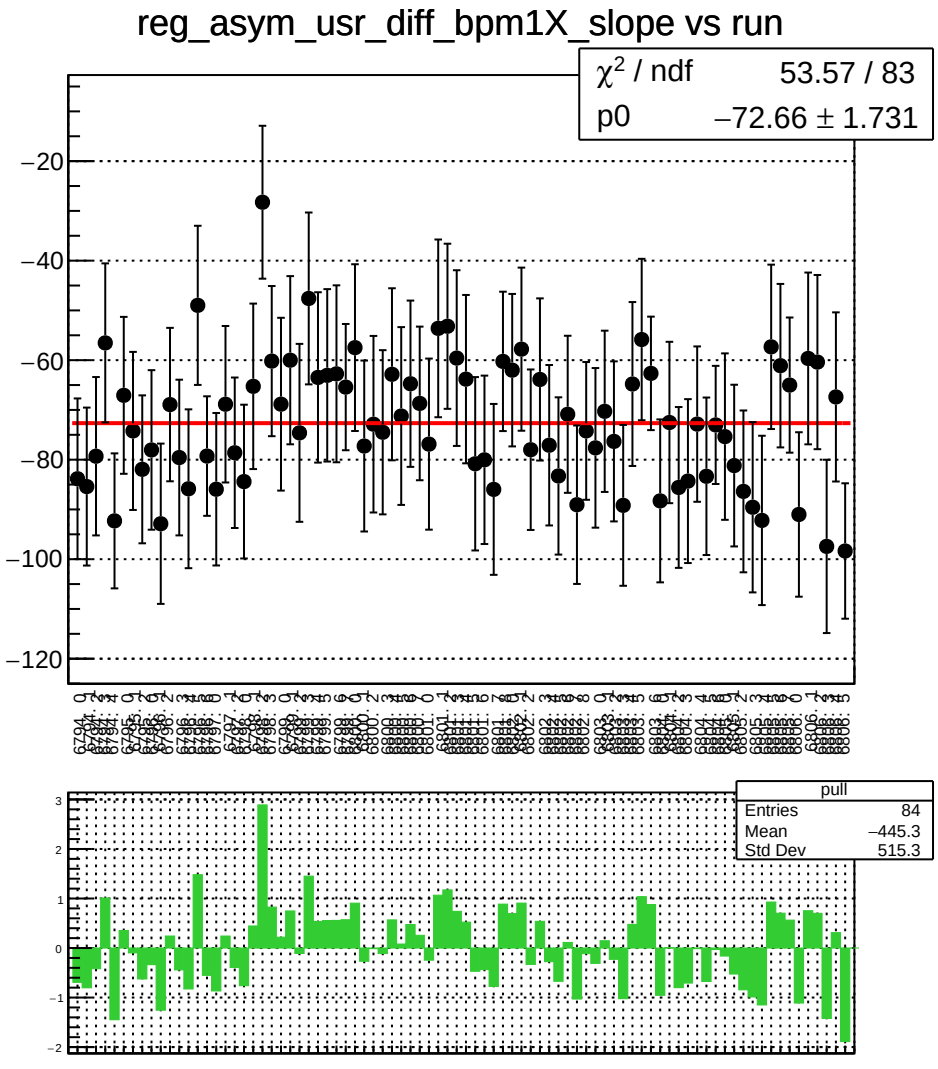

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 41.09 / 83
p0 14.23 ± 1.653
pull
Entries 84
Mean 271.5
Std Dev 239.8

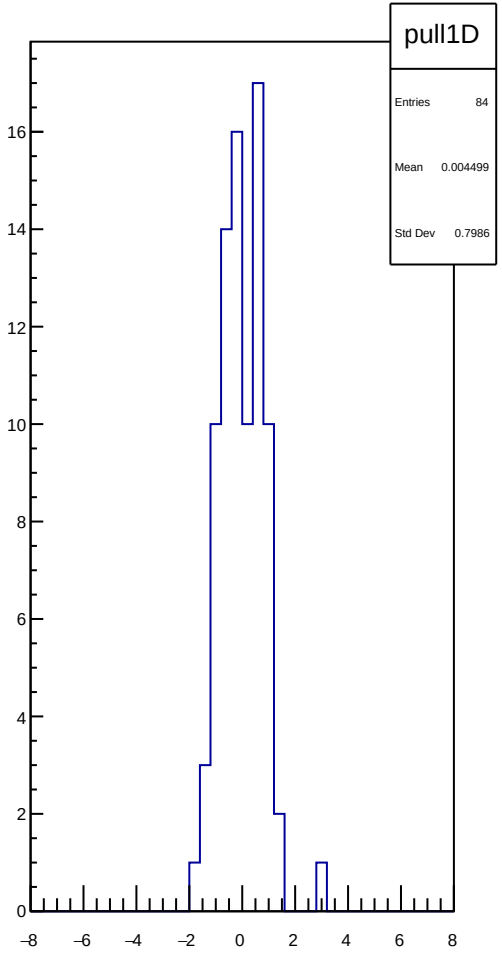

pull1D
Entries 84
Mean −0.006623
Std Dev 0.6993

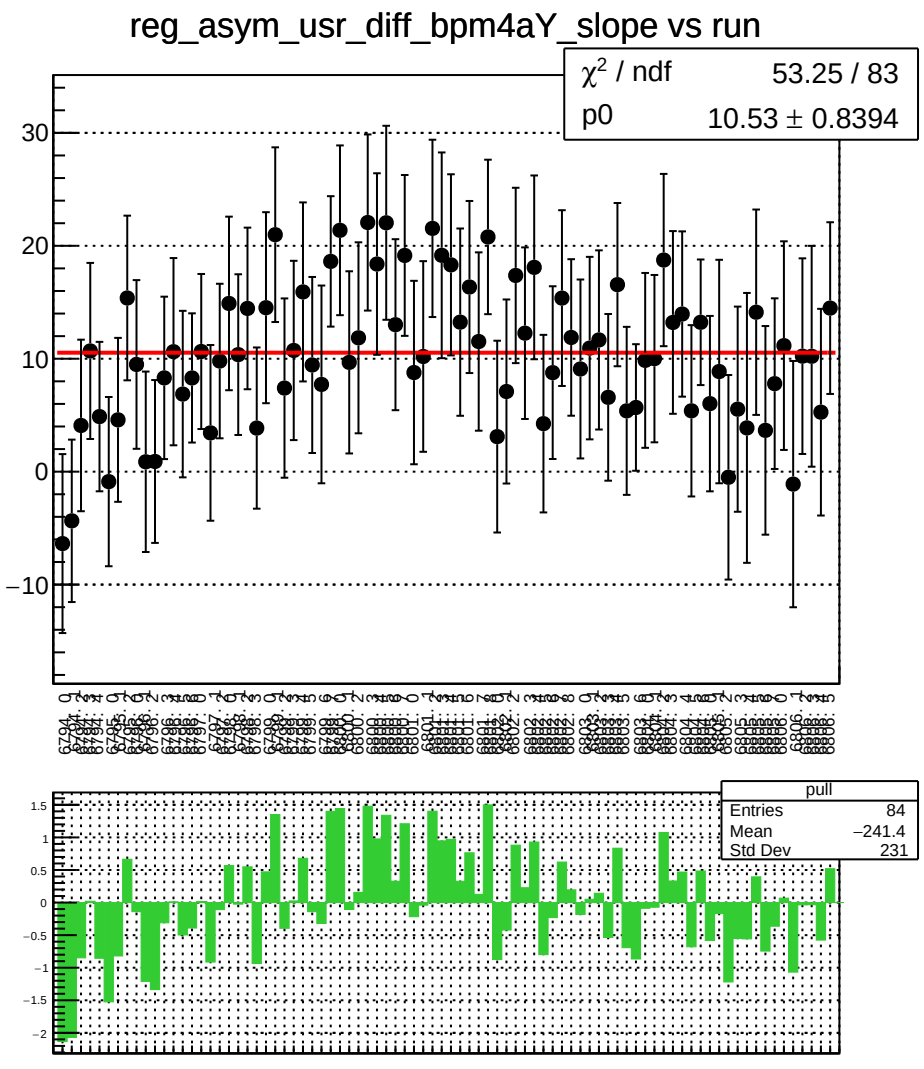

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 56.38 / 83
p0 7.87 ± 1.197
pull
Entries 84
Mean 177.5
Std Dev 160.4
pull1D
Entries 84
Mean −0.02847
Std Dev 0.8188

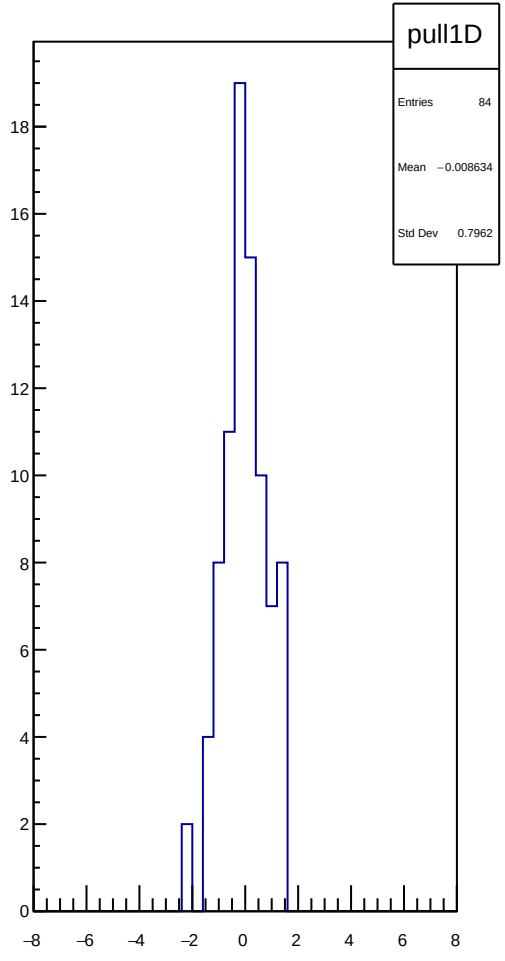

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 142.1 / 83
p0 −39.49 ± 0.07086
pull
Entries 84
Mean 1702
Std Dev 1643

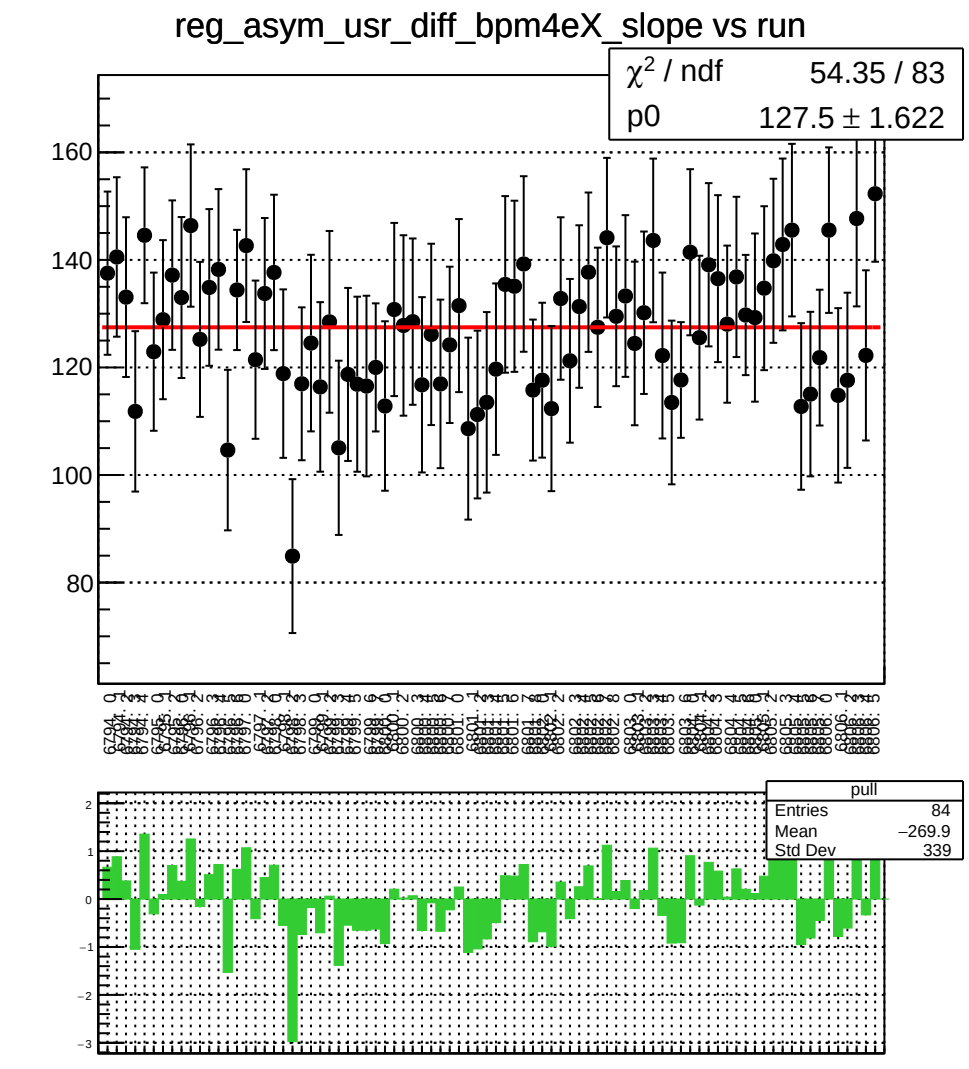

pull1D
Entries 84
Mean 0.003742
Std Dev 1.301

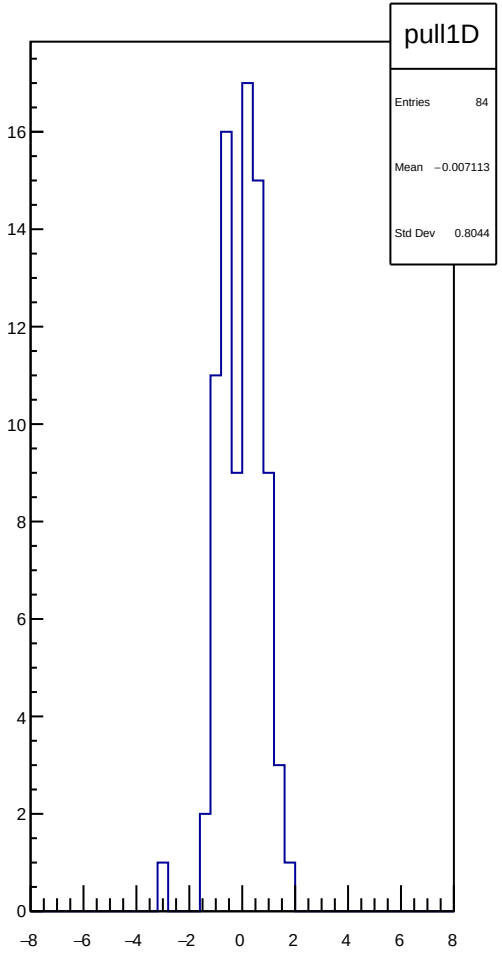

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 53.57 / 83
p0 −72.66 ± 1.731
pull
Entries 84
Mean −445.3
Std Dev 515.3

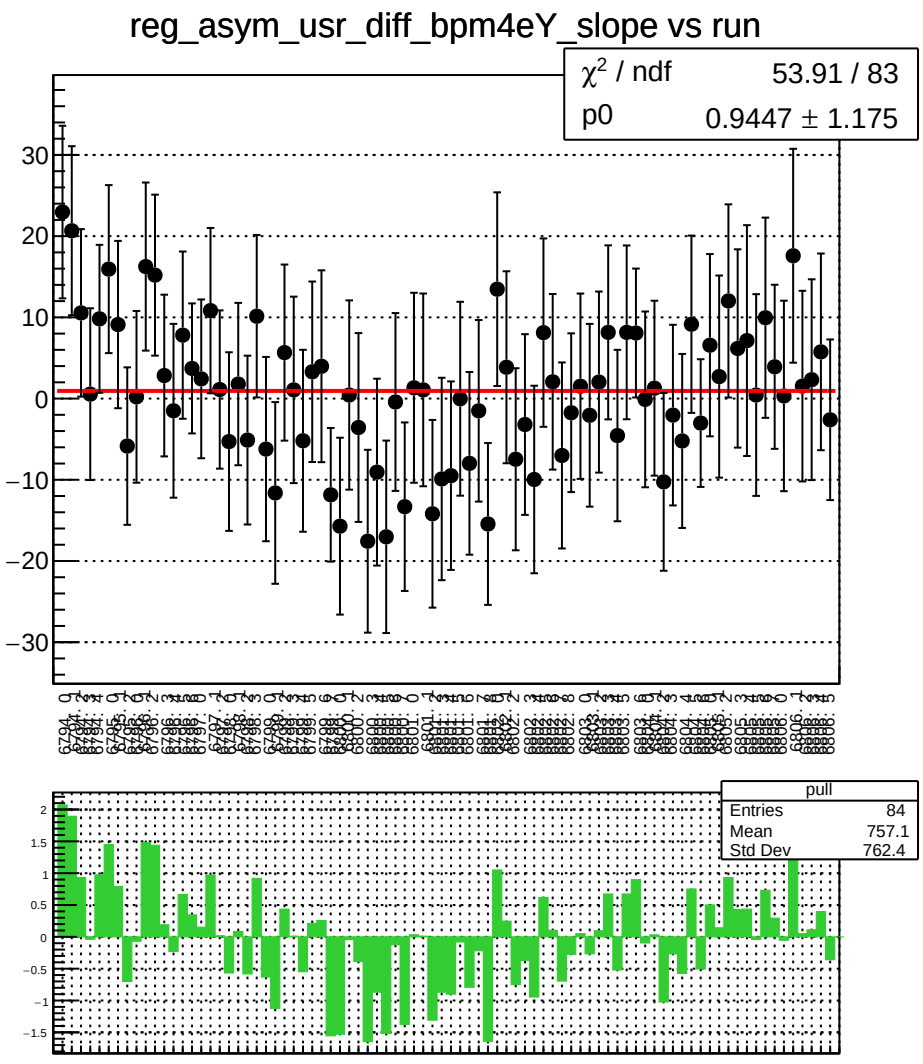

pull1D
Entries 84
Mean 0.004499
Std Dev 0.7986

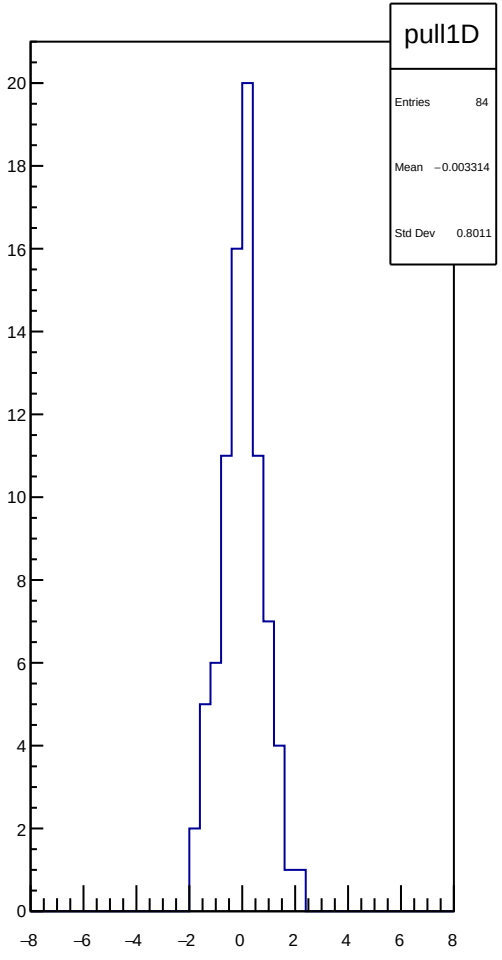

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 53.25 / 83
p0 10.53 ± 0.8394
30
20
10
0
−10
pull
Entries 84
Mean −241.4
Std Dev 231
1.5
1
0.5
0
−0.5
−1
−1.5
−2

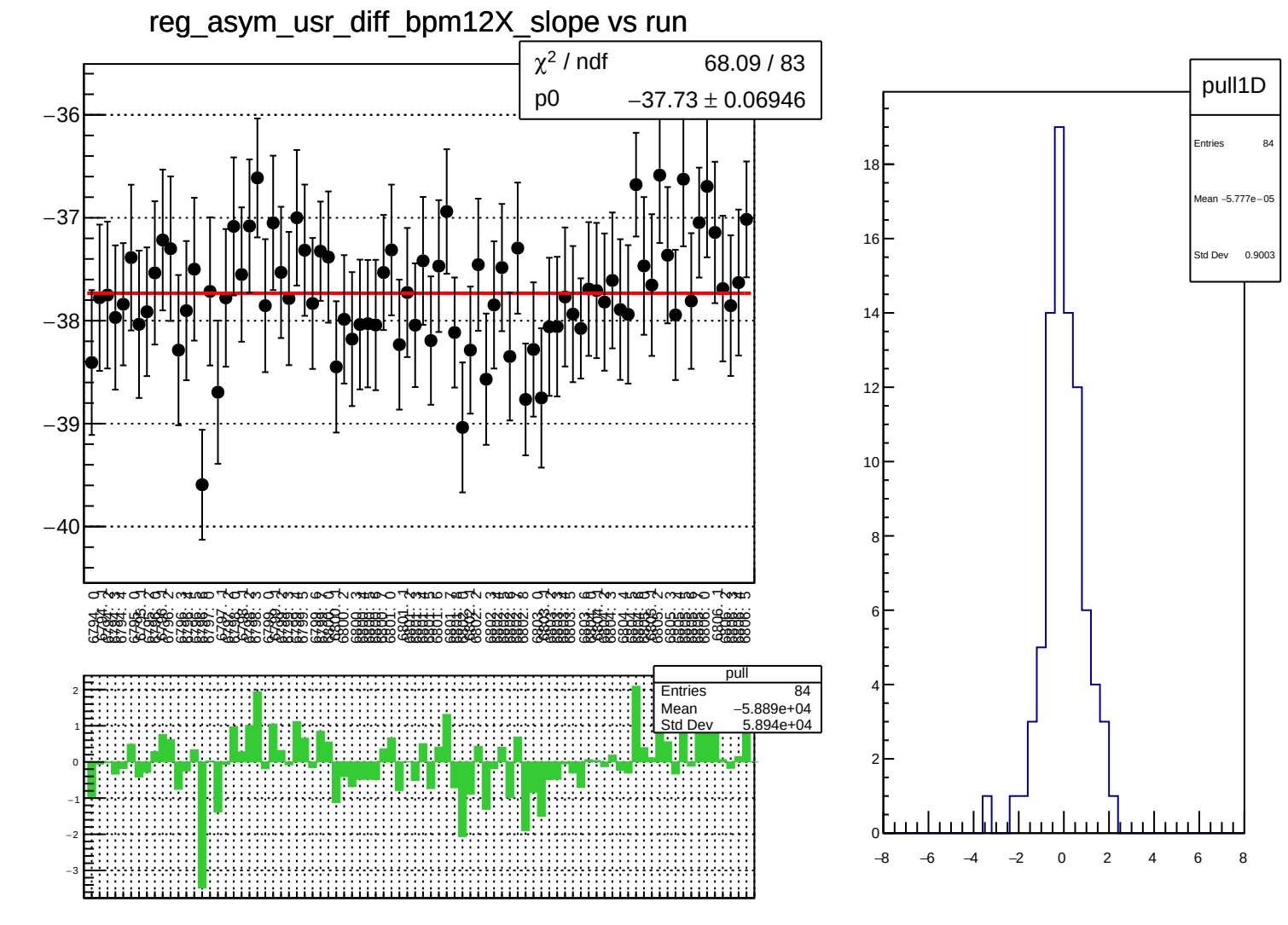

pull1D
Entries 84
Mean −0.008634
Std Dev 0.7962
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

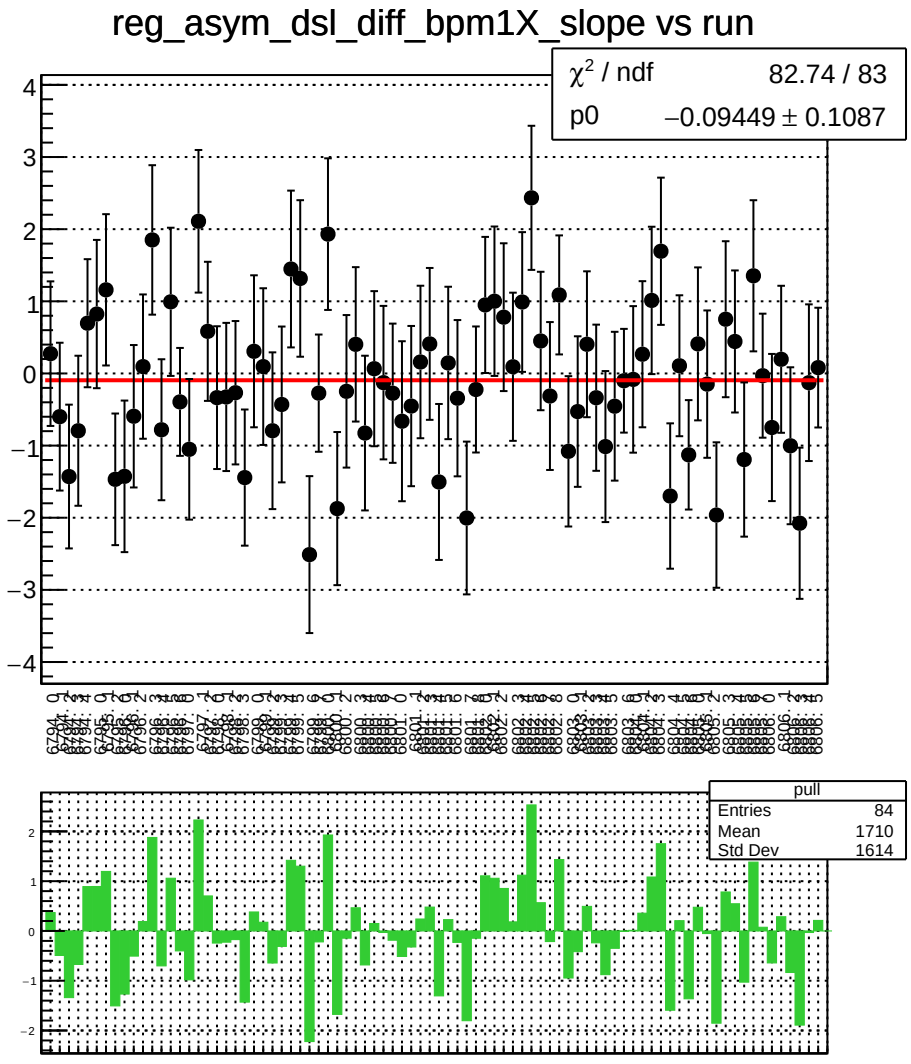

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 54.35 / 83
p0 127.5 ± 1.622
160
140
120
100
80
pull
Entries 84
Mean −269.9
Std Dev 339
2
1
0
−1
−2
−3

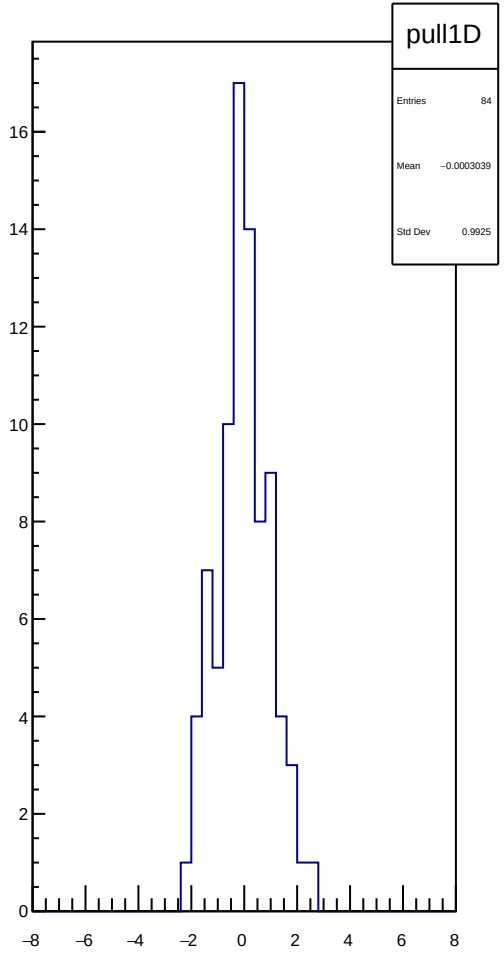

pull1D
Entries 84
Mean −0.007113
Std Dev 0.8044
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

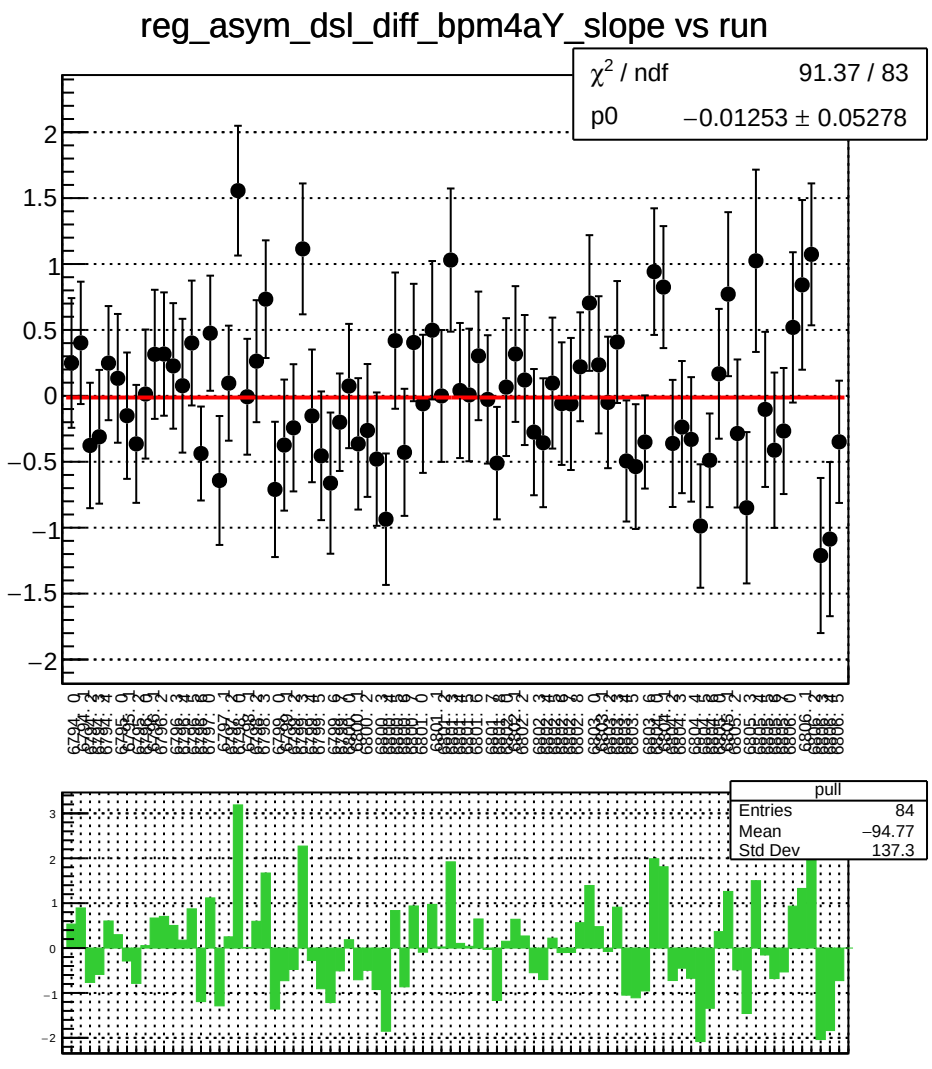

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 53.91 / 83
p0 0.9447 ± 1.175
pull
Entries 84
Mean 757.1
Std Dev 762.4

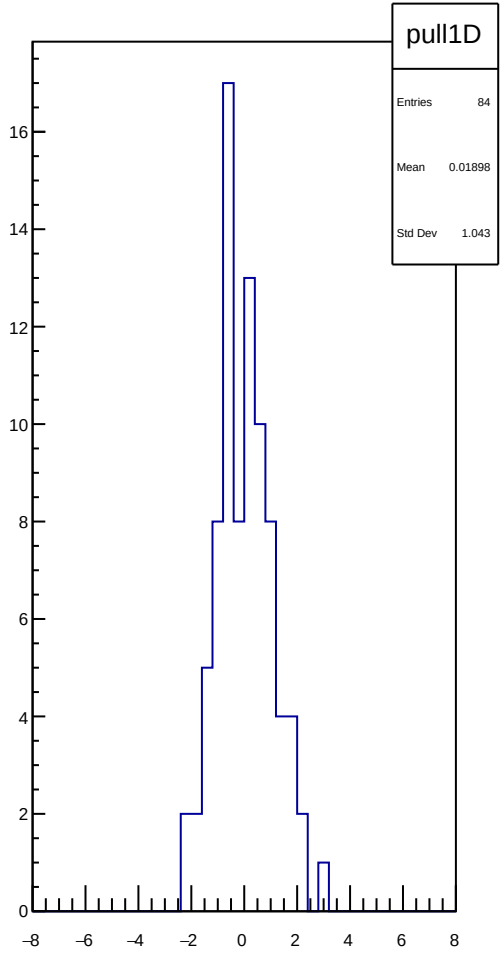

pull1D
Entries 84
Mean −0.003314
Std Dev 0.8011

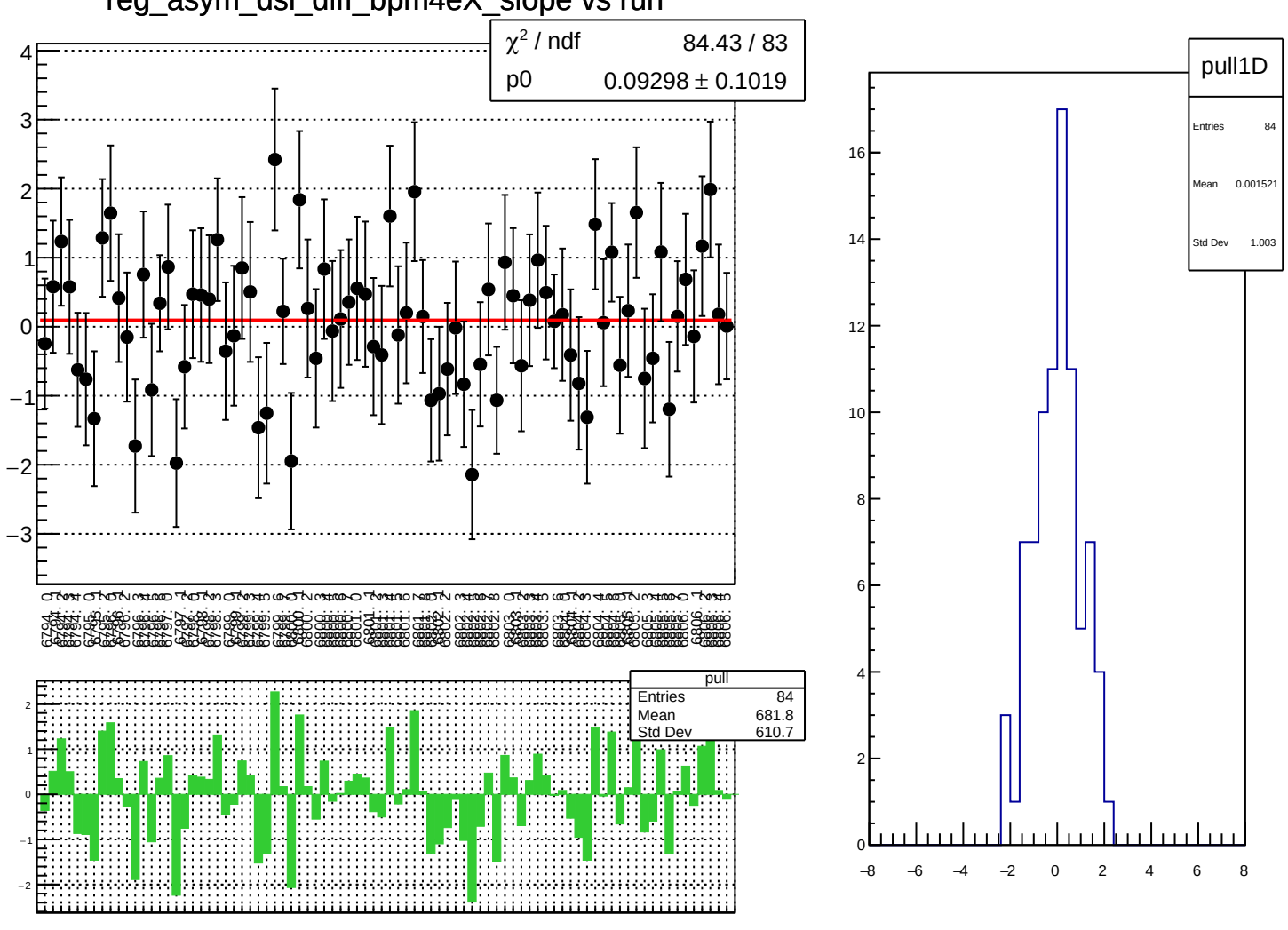

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 68.09 / 83
p0 −37.73 ± 0.06946
−36
−37
−38
−39
−40
pull
Entries 84
Mean −5.889e+04
Std Dev 5.894e+04
2
1
0
−1
−2
−3
pull1D
Entries 84
Mean −5.777e−05
Std Dev 0.9003
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

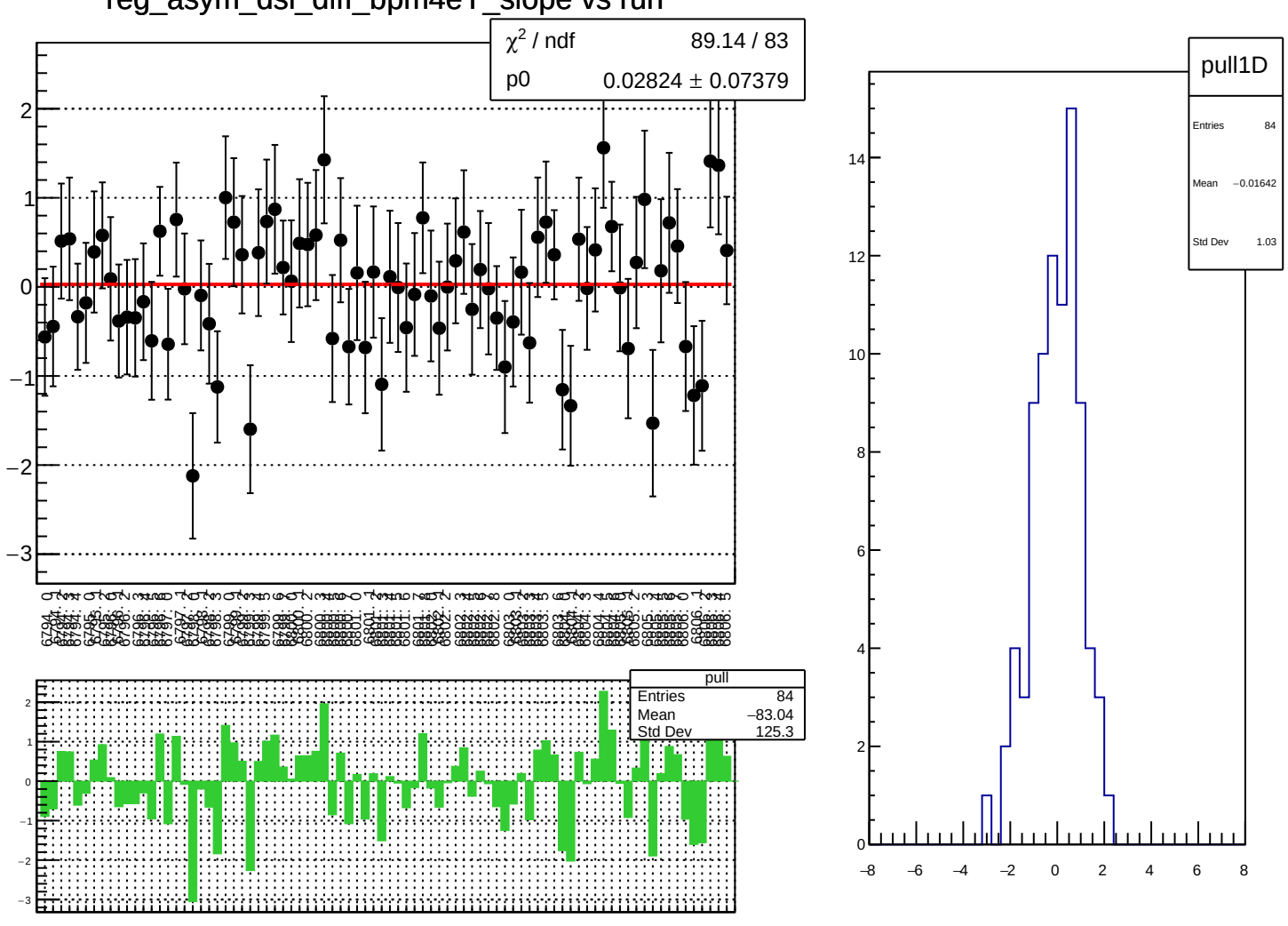

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 82.74 / 83
p0 −0.09449 ± 0.1087
pull
Entries 84
Mean 1710
Std Dev 1614

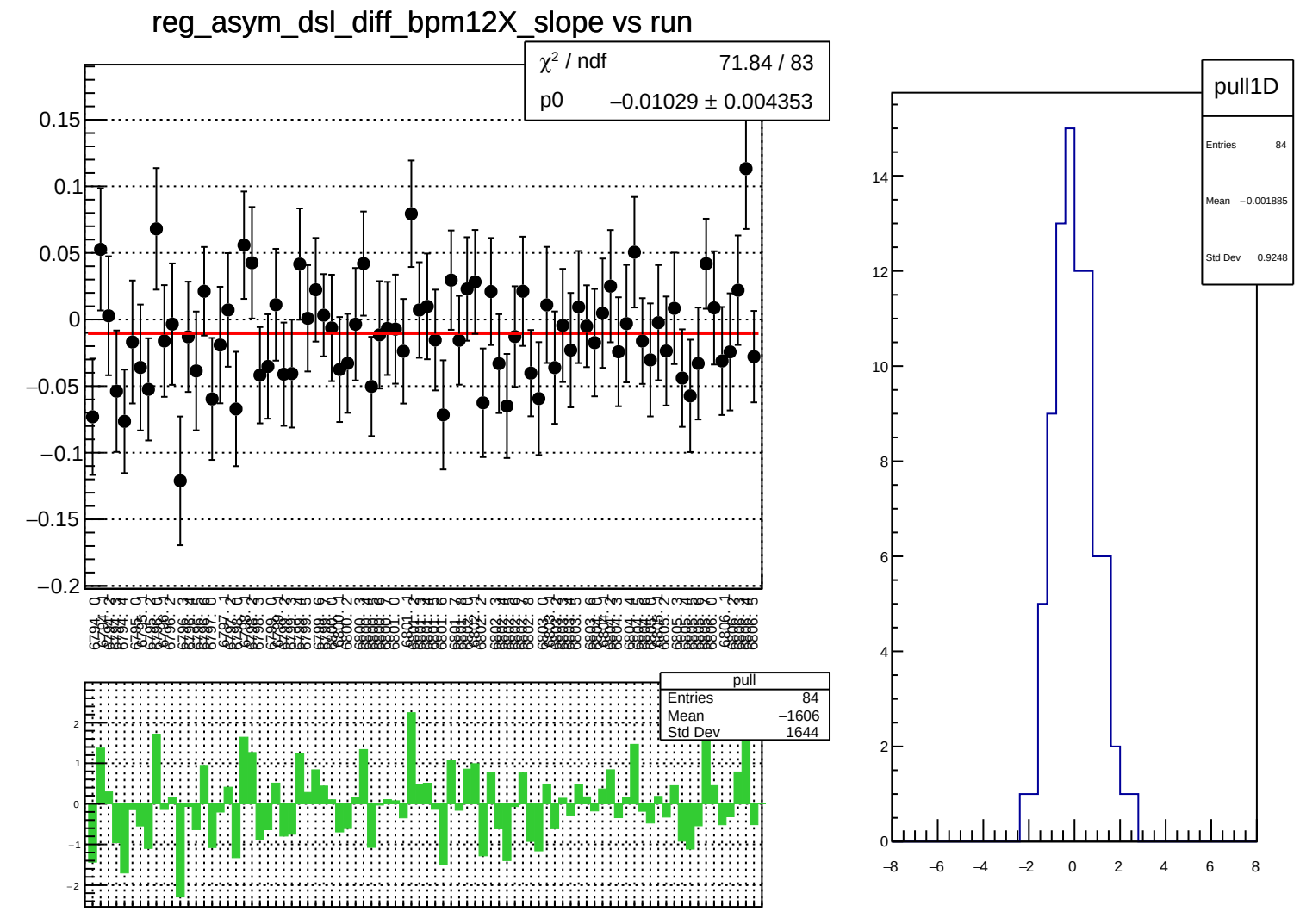

pull1D
Entries 84
Mean −0.0003039
Std Dev 0.9925

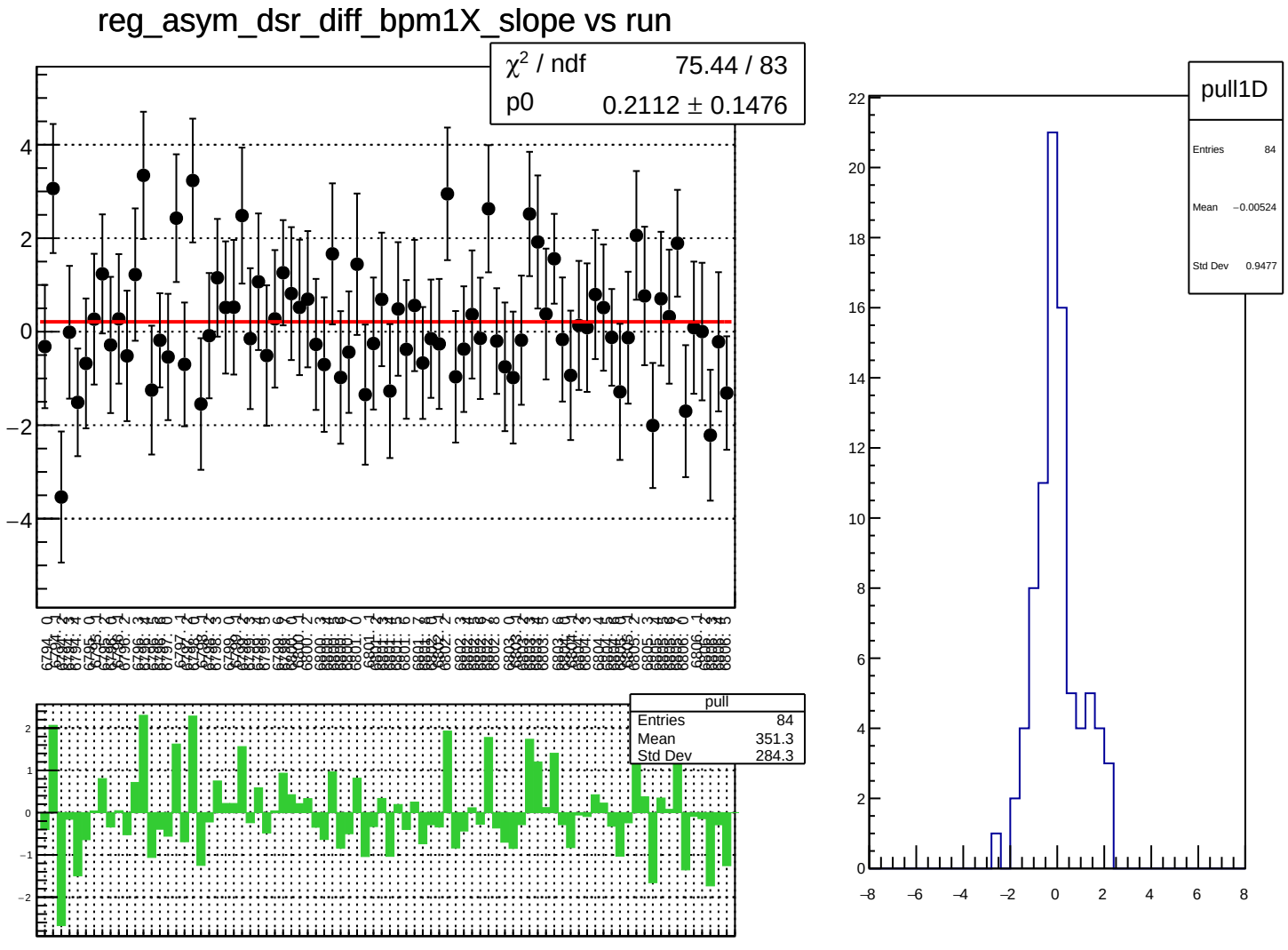

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 91.37 / 83
p0 −0.01253 ± 0.05278
pull
Entries 84
Mean −94.77
Std Dev 137.3

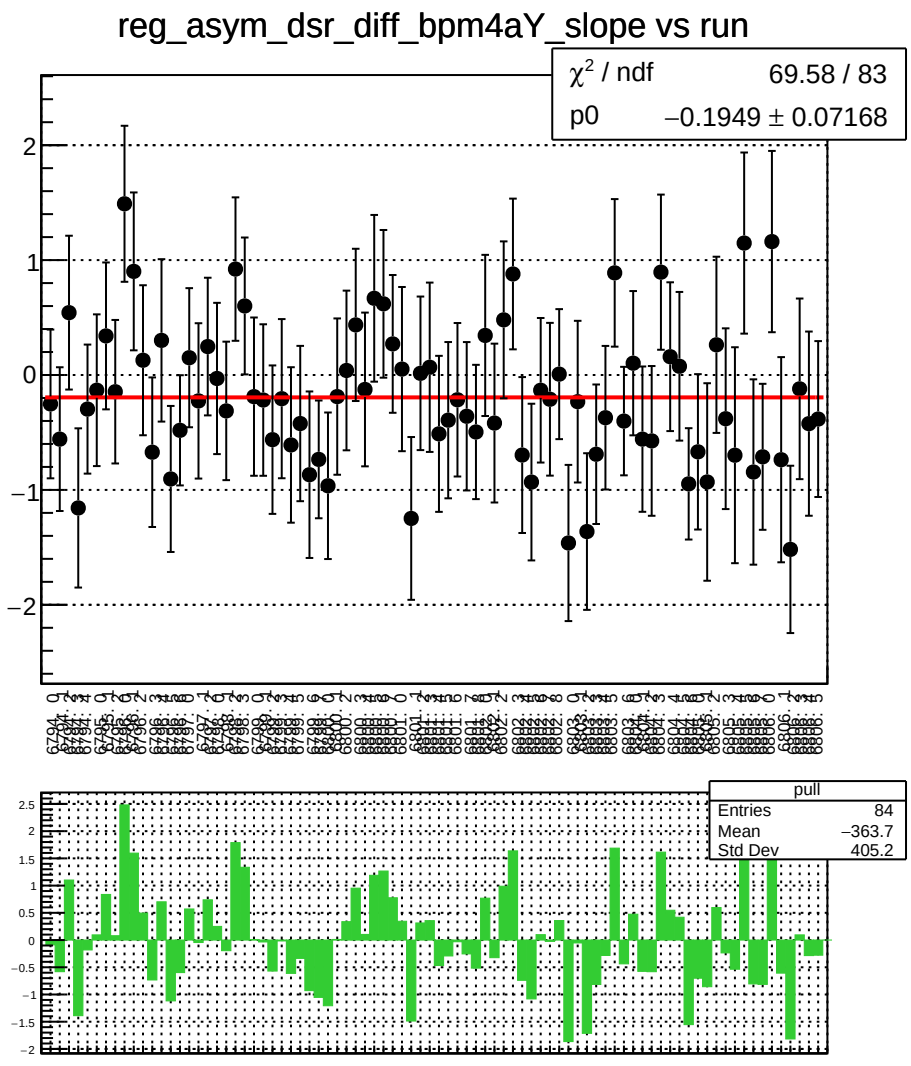

pull1D
Entries 84
Mean 0.01898
Std Dev 1.043

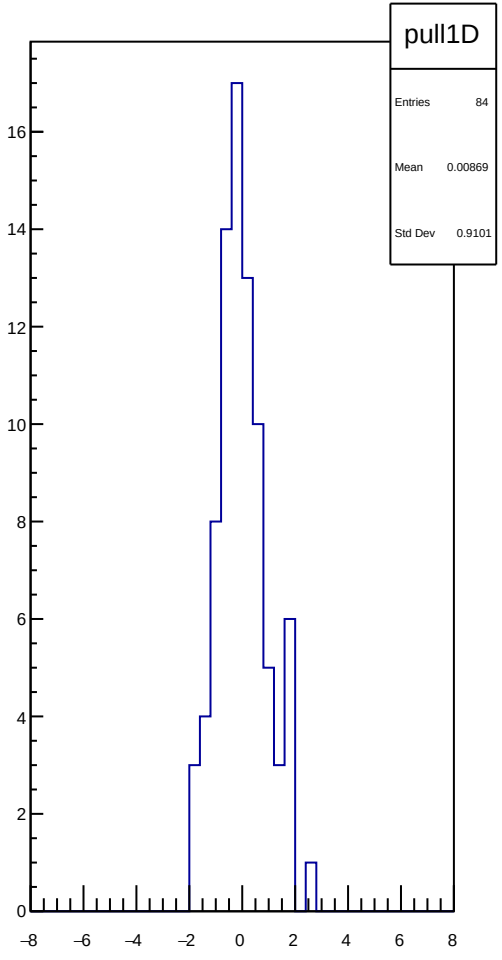

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 84.43 / 83
p0 0.09298 ± 0.1019
pull
Entries 84
Mean 681.8
Std Dev 610.7
pull1D
Entries 84
Mean 0.001521
Std Dev 1.003

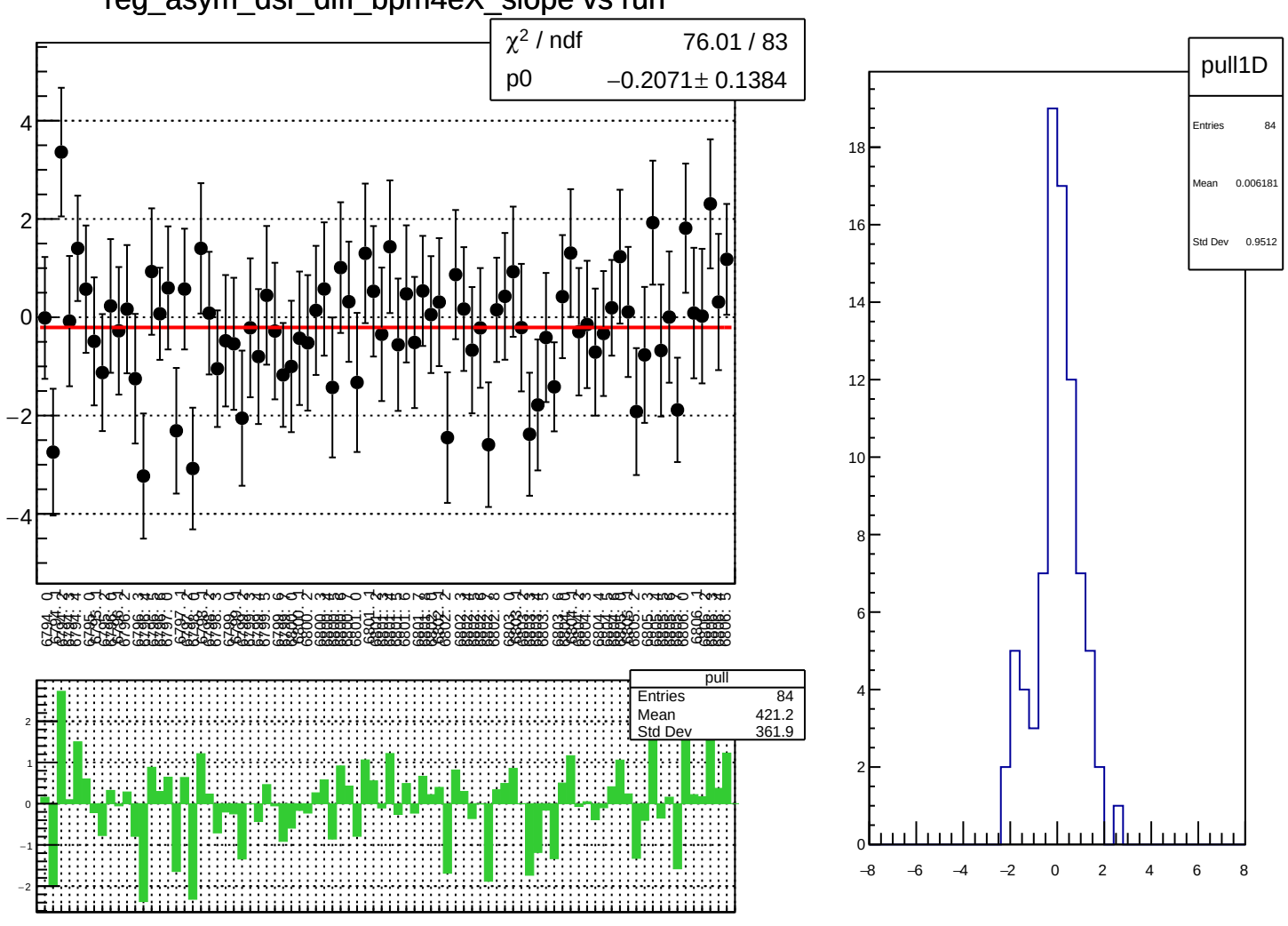

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 89.14 / 83
p0 0.02824 ± 0.07379
pull
Entries 84
Mean −83.04
Std Dev 125.3
pull1D
Entries 84
Mean −0.01642
Std Dev 1.03

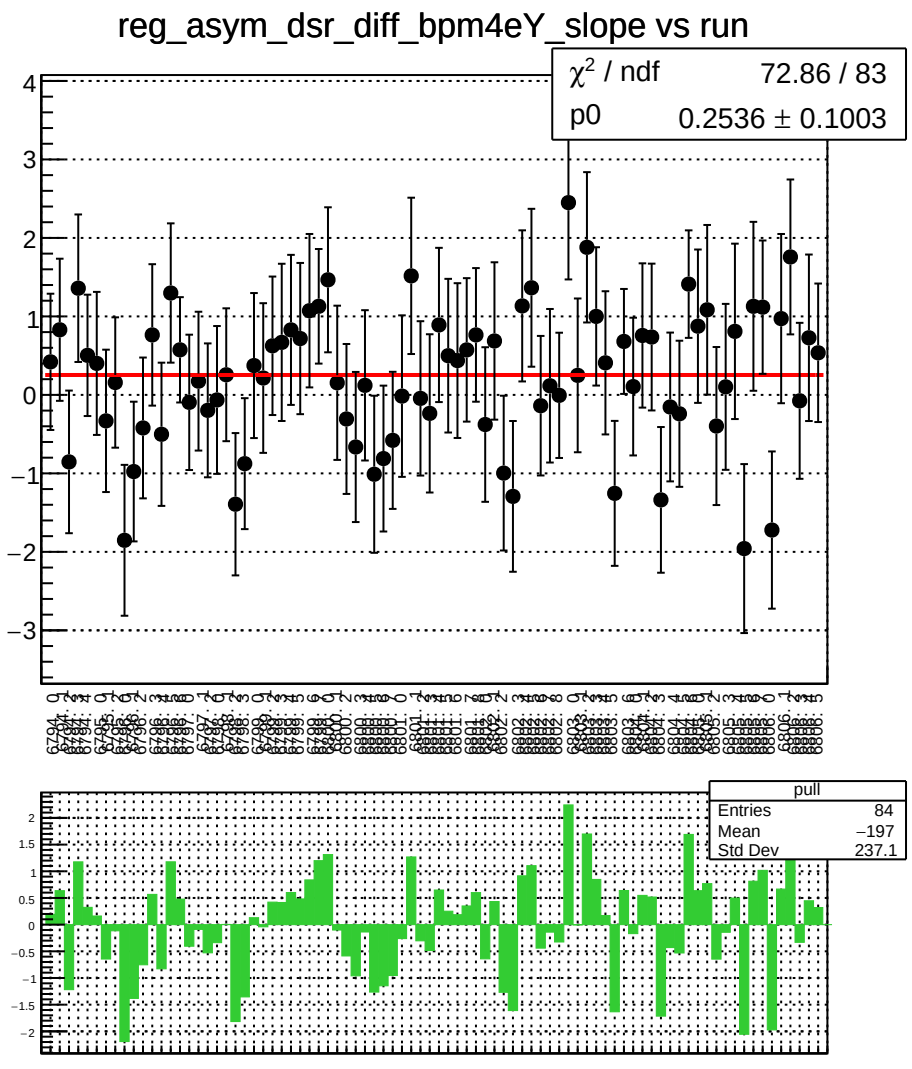

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 71.84 / 83
p0 −0.01029 ± 0.004353
pull
Entries 84
Mean −1606
Std Dev 1644
pull1D
Entries 84
Mean −0.001885
Std Dev 0.9248

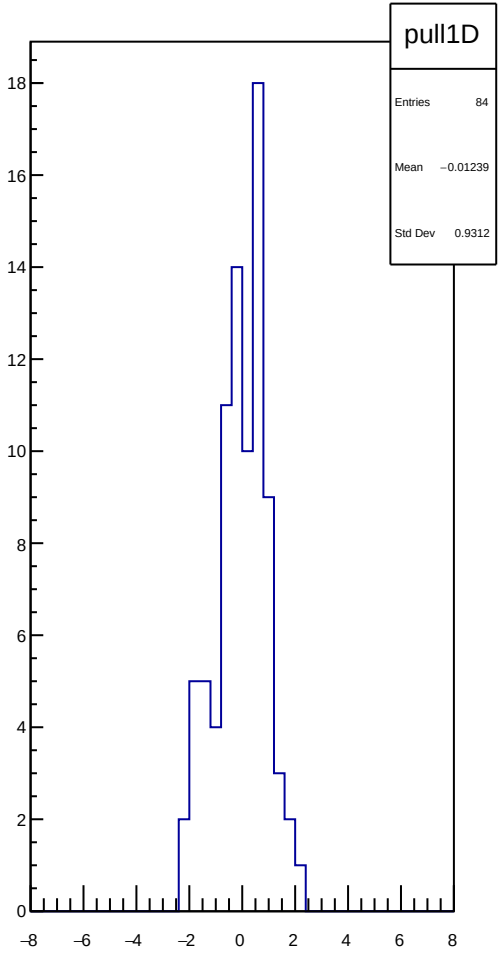

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 75.44 / 83
p0 0.2112 ± 0.1476
pull
Entries 84
Mean 351.3
Std Dev 284.3
pull1D
Entries 84
Mean −0.00524
Std Dev 0.9477

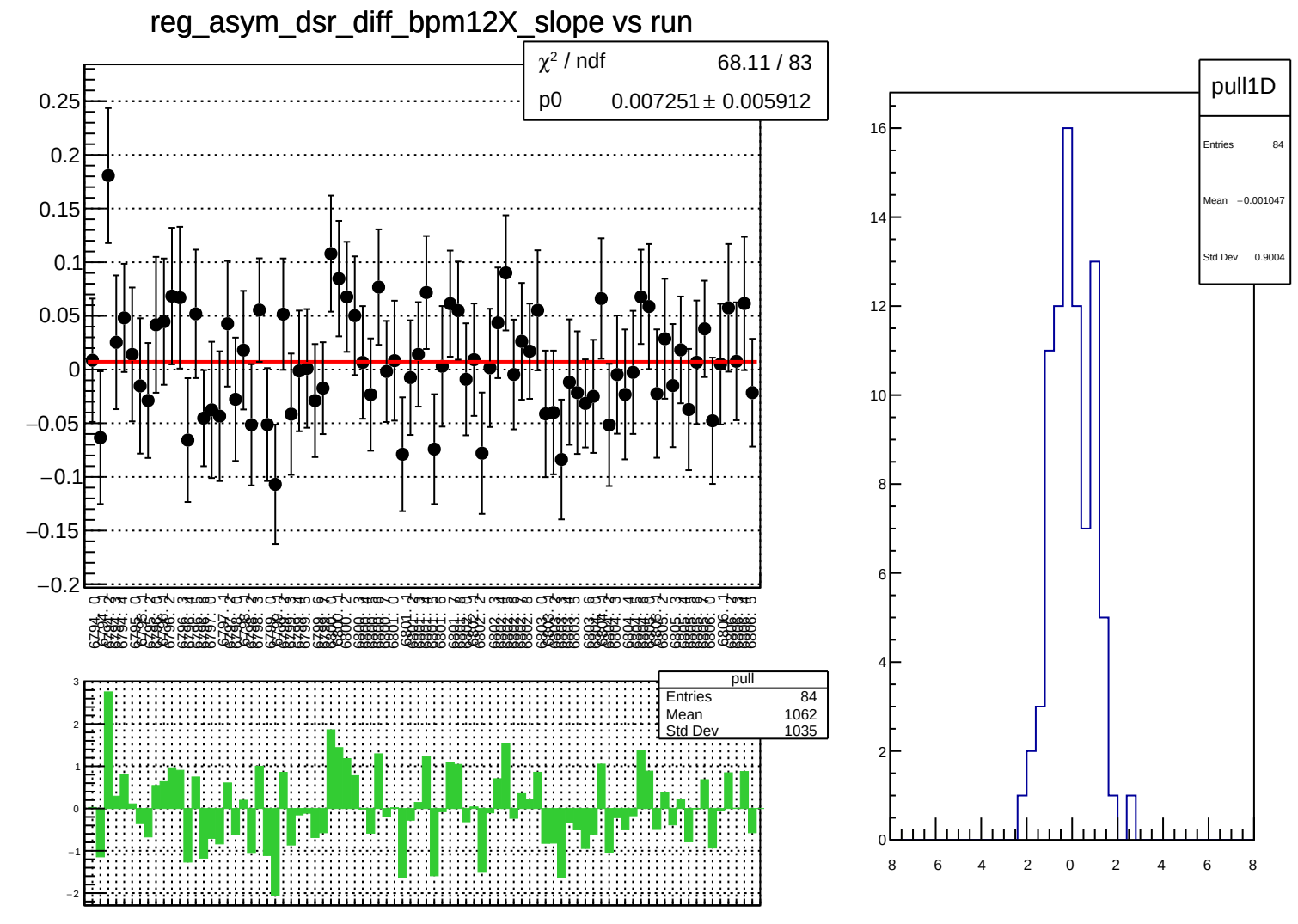

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 69.58 / 83
p0 −0.1949 ± 0.07168
pull
Entries 84
Mean −363.7
Std Dev 405.2

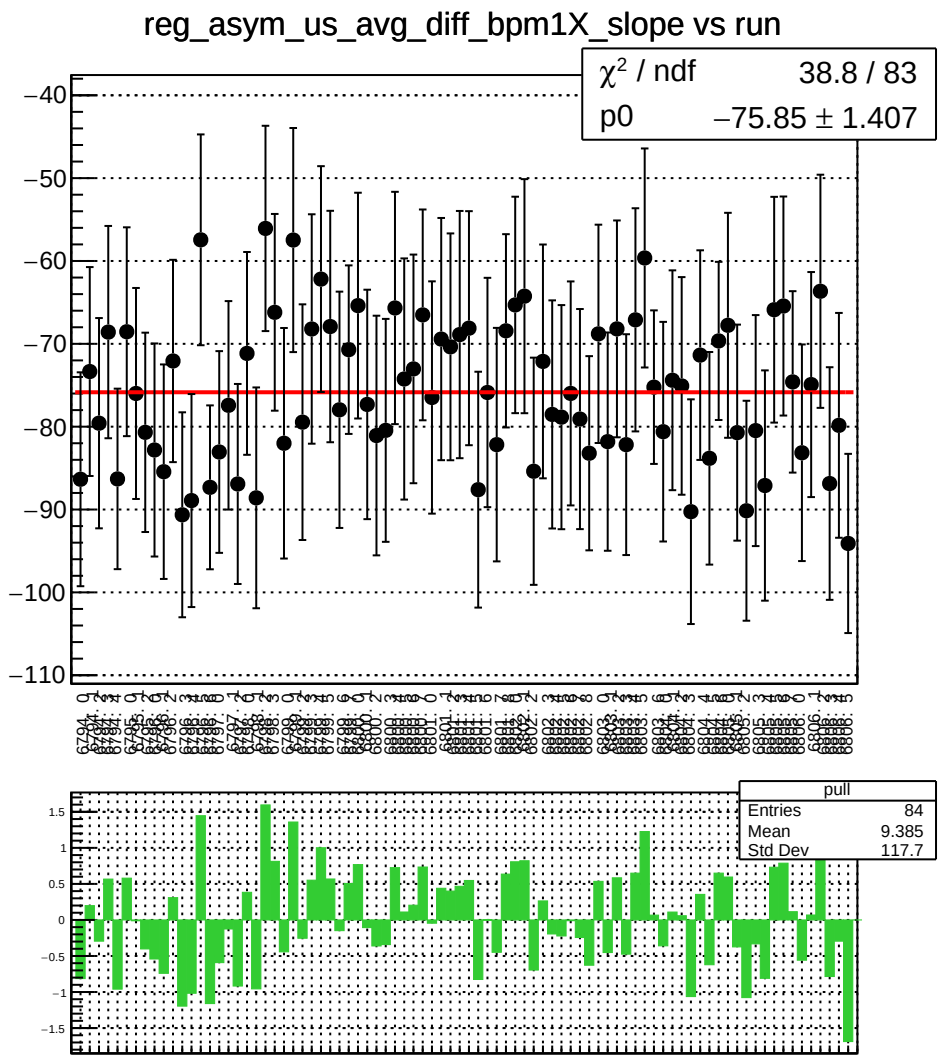

pull1D
Entries 84
Mean 0.00869
Std Dev 0.9101

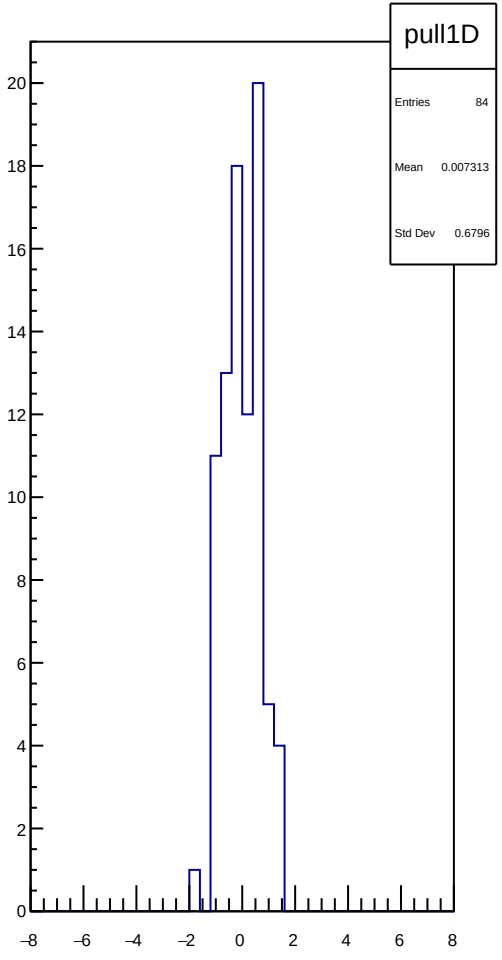

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 76.01 / 83
p0 −0.2071± 0.1384
pull
Entries 84
Mean 421.2
Std Dev 361.9
pull1D
Entries 84
Mean 0.006181
Std Dev 0.9512

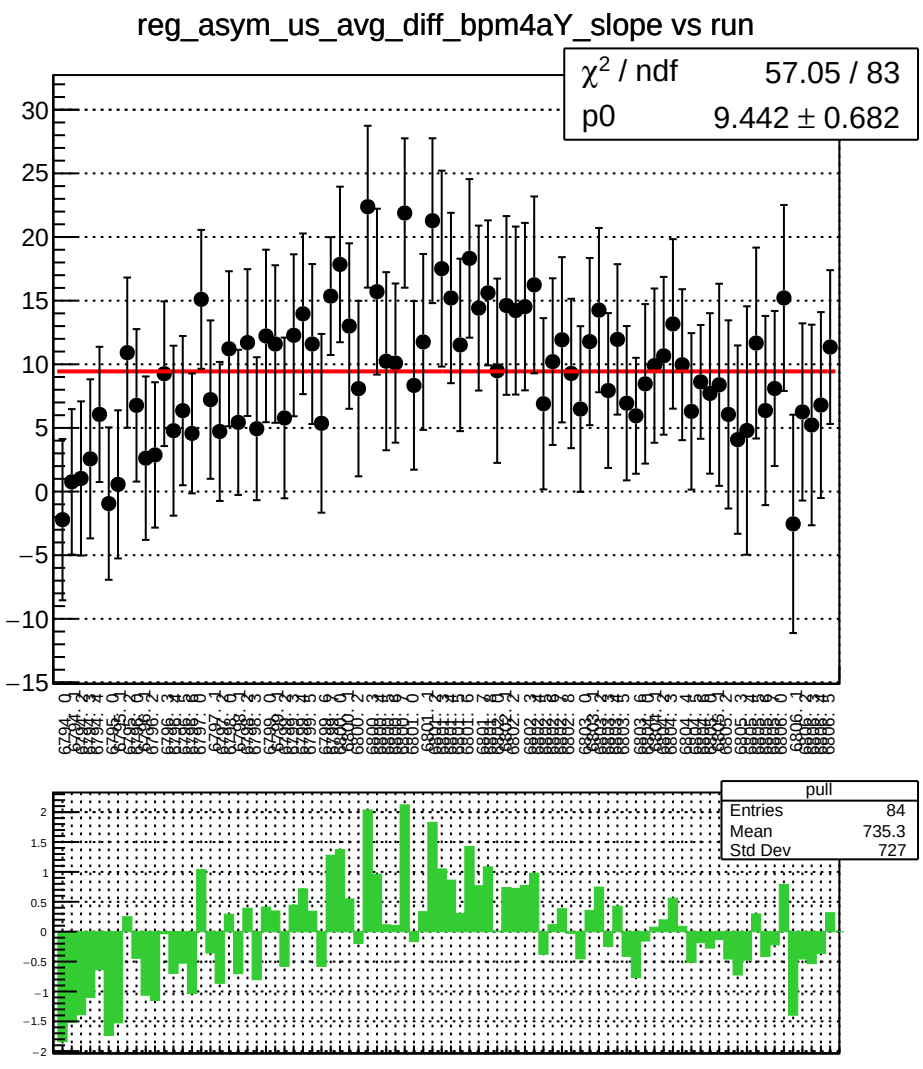

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 72.86 / 83
p0 0.2536 ± 0.1003
pull
Entries 84
Mean −197
Std Dev 237.1

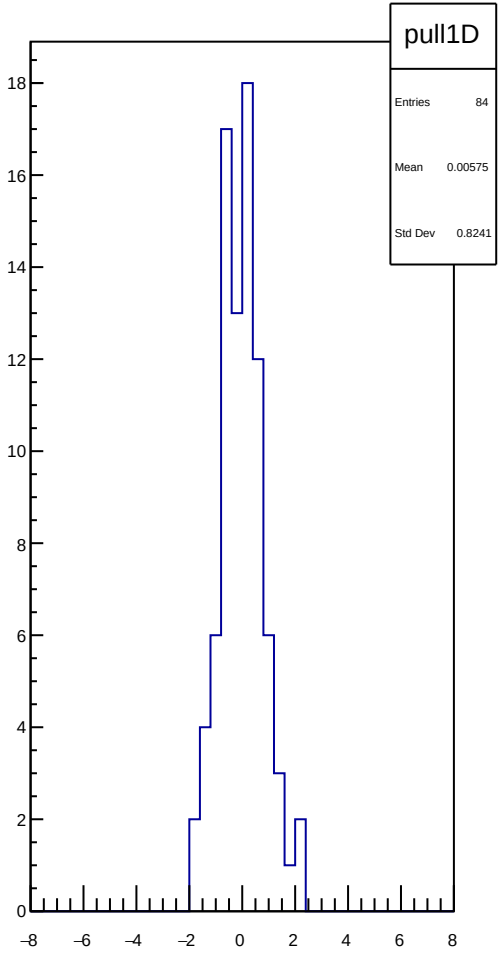

pull1D
Entries 84
Mean −0.01239
Std Dev 0.9312

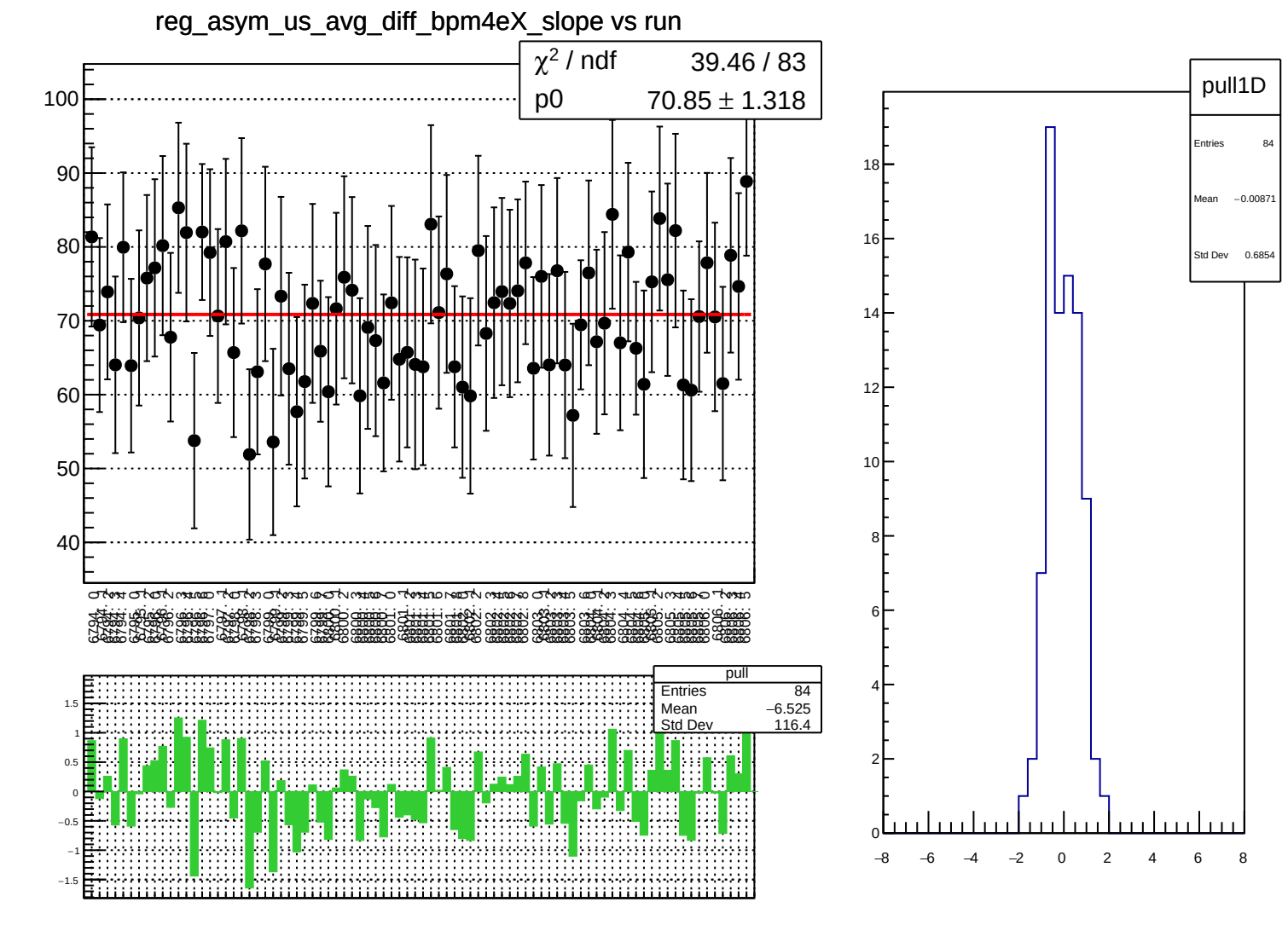

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 68.11 / 83
p0 0.007251 ± 0.005912
pull
Entries 84
Mean 1062
Std Dev 1035
pull1D
Entries 84
Mean −0.001047
Std Dev 0.9004

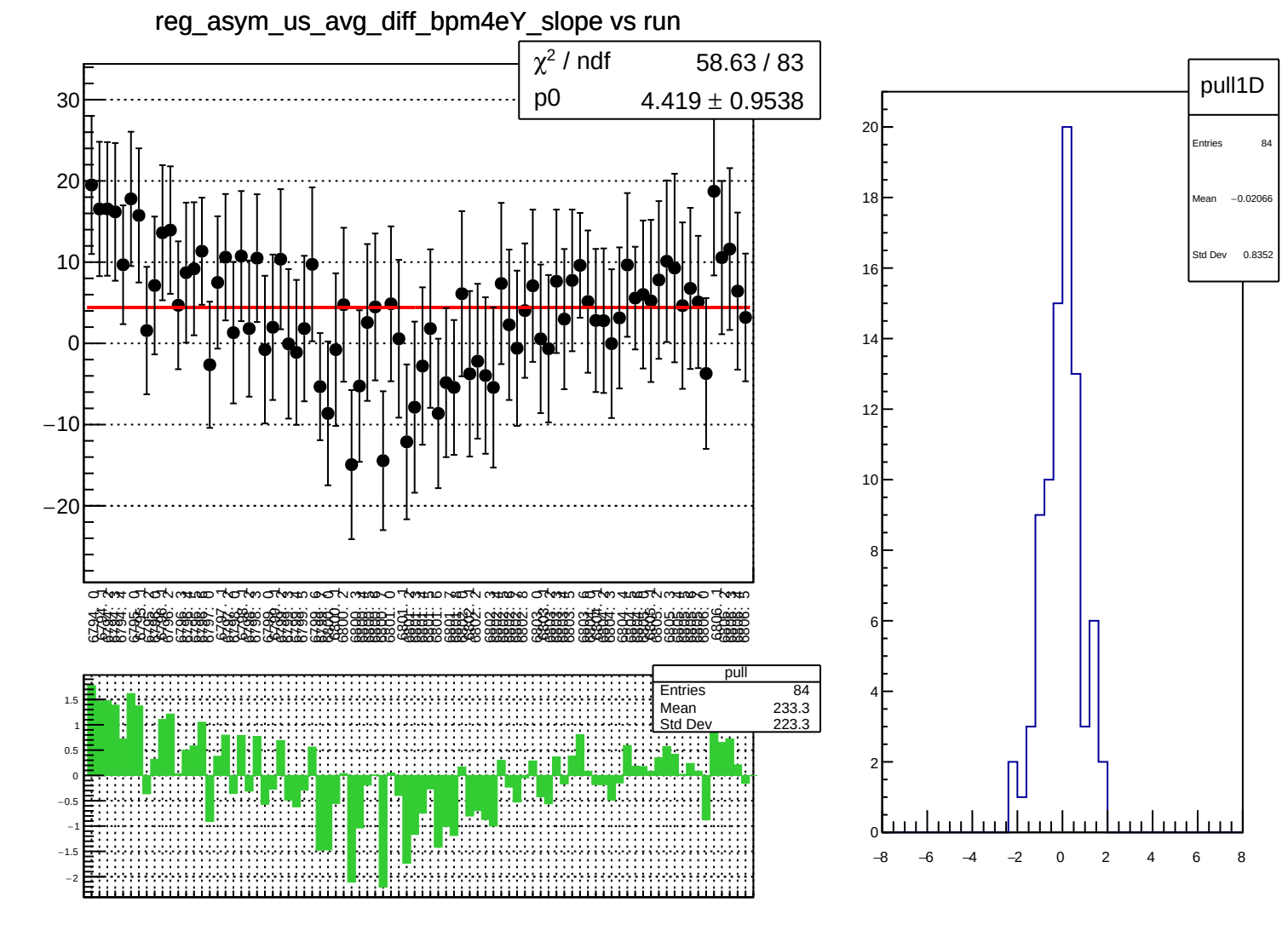

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 38.8 / 83
p0 −75.85 ± 1.407
pull
Entries 84
Mean 9.385
Std Dev 117.7

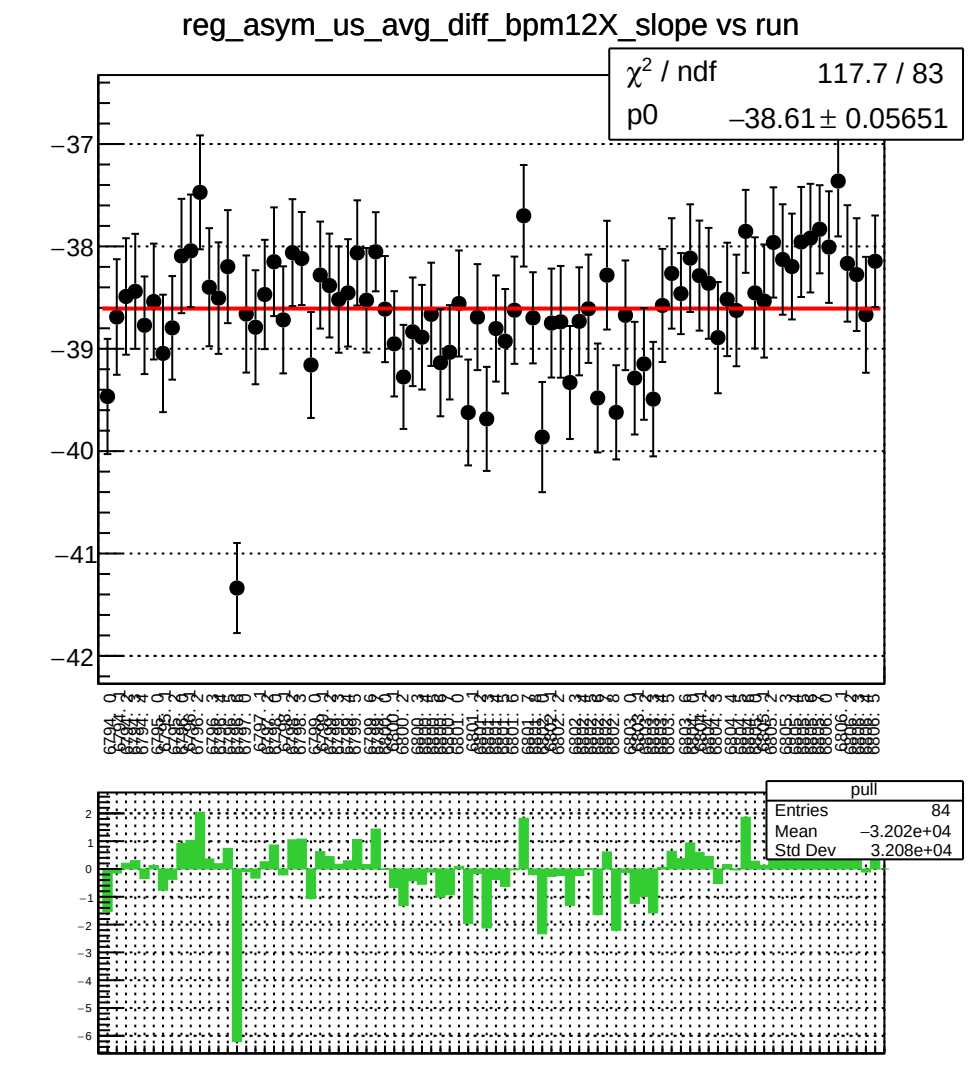

pull1D
Entries 84
Mean 0.007313
Std Dev 0.6796

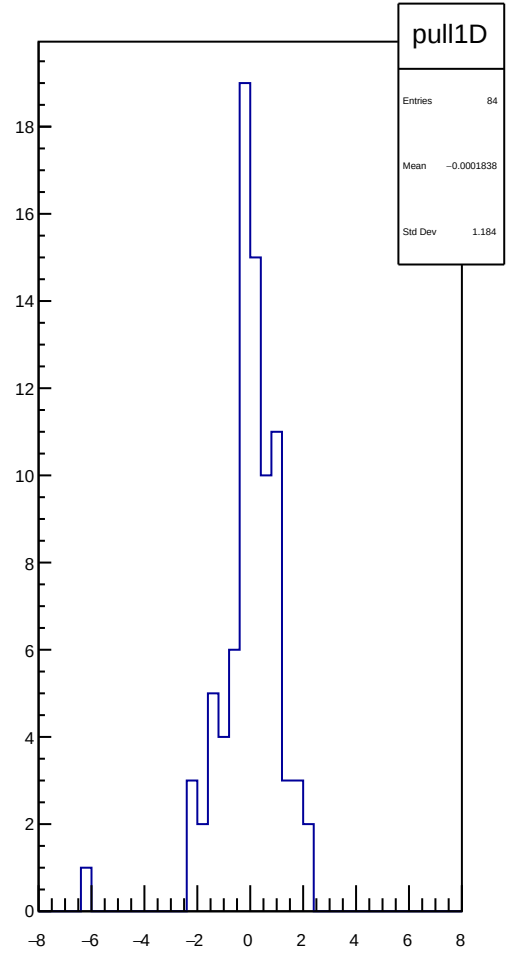

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 57.05 / 83
p0 9.442 ± 0.682
pull
Entries 84
Mean 735.3
Std Dev 727

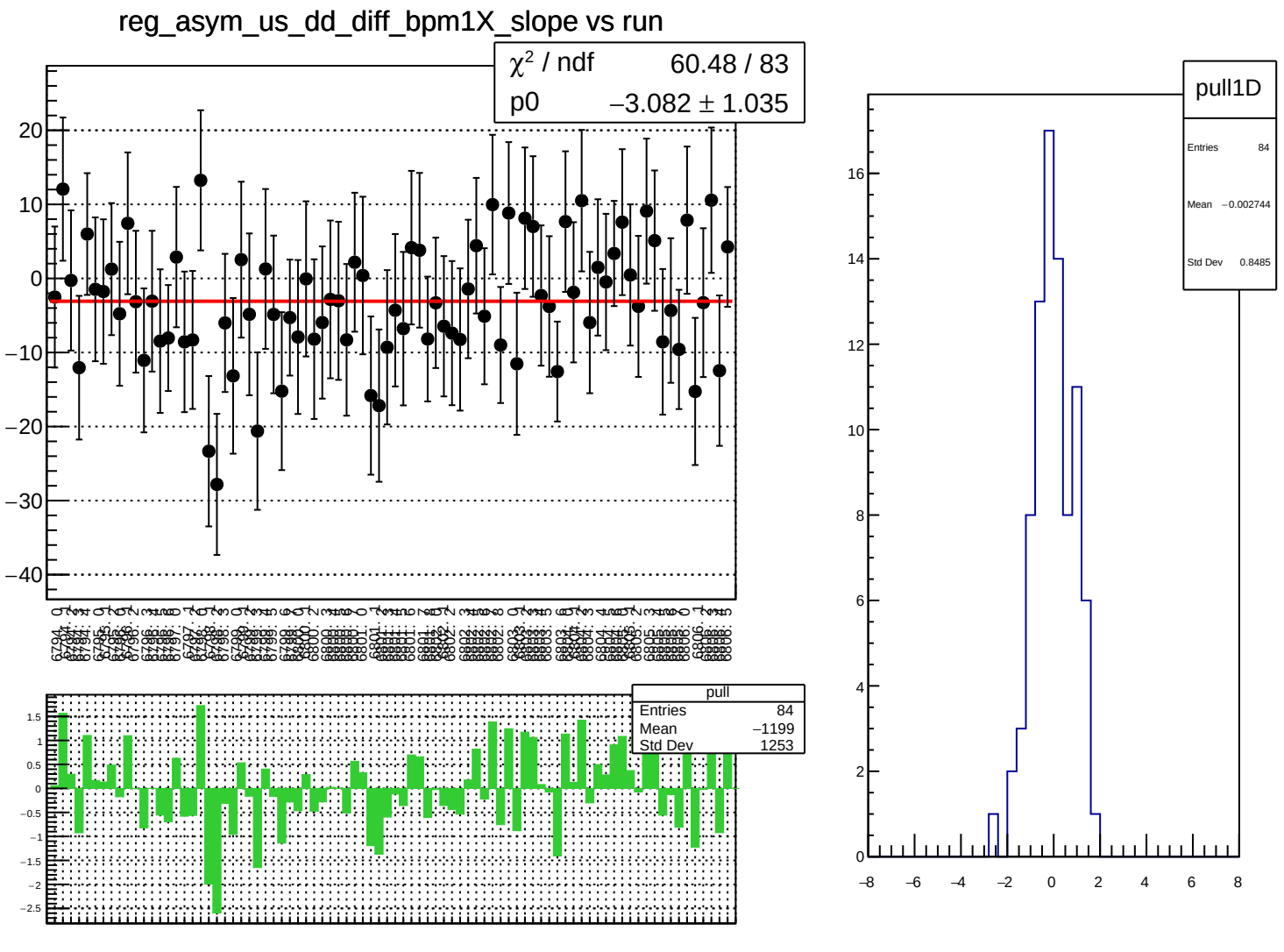

pull1D
Entries 84
Mean 0.00575
Std Dev 0.8241

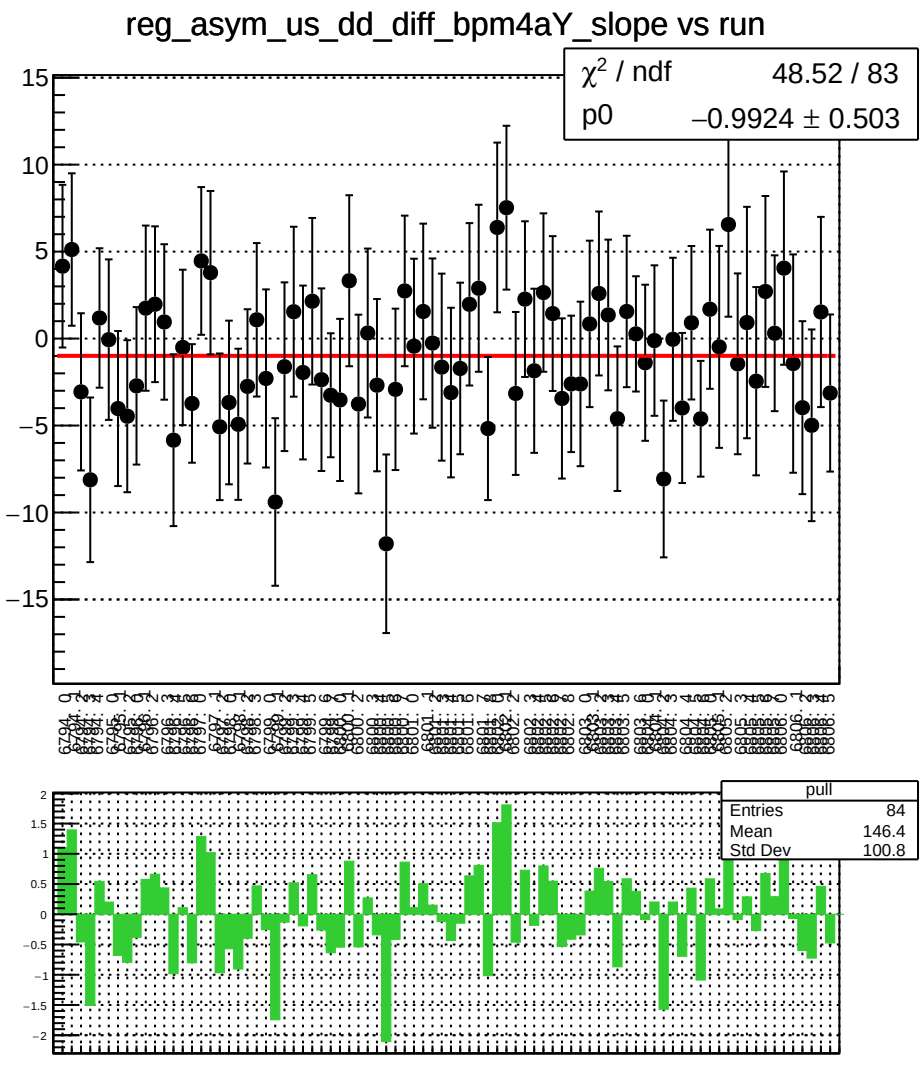

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 39.46 / 83
p0 70.85 ± 1.318
pull
Entries 84
Mean −6.525
Std Dev 116.4
pull1D
Entries 84
Mean −0.00871
Std Dev 0.6854

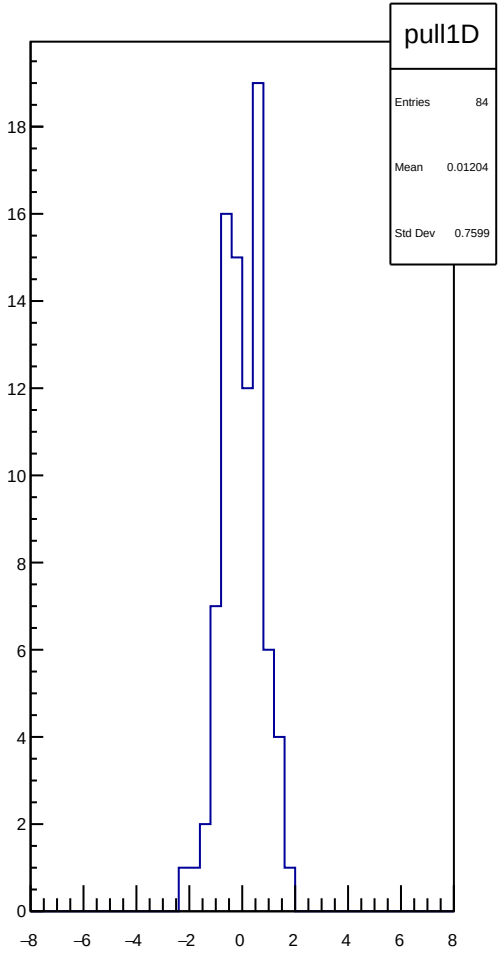

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 58.63 / 83
p0 4.419 ± 0.9538
pull
Entries 84
Mean 233.3
Std Dev 223.3
pull1D
Entries 84
Mean −0.02066
Std Dev 0.8352

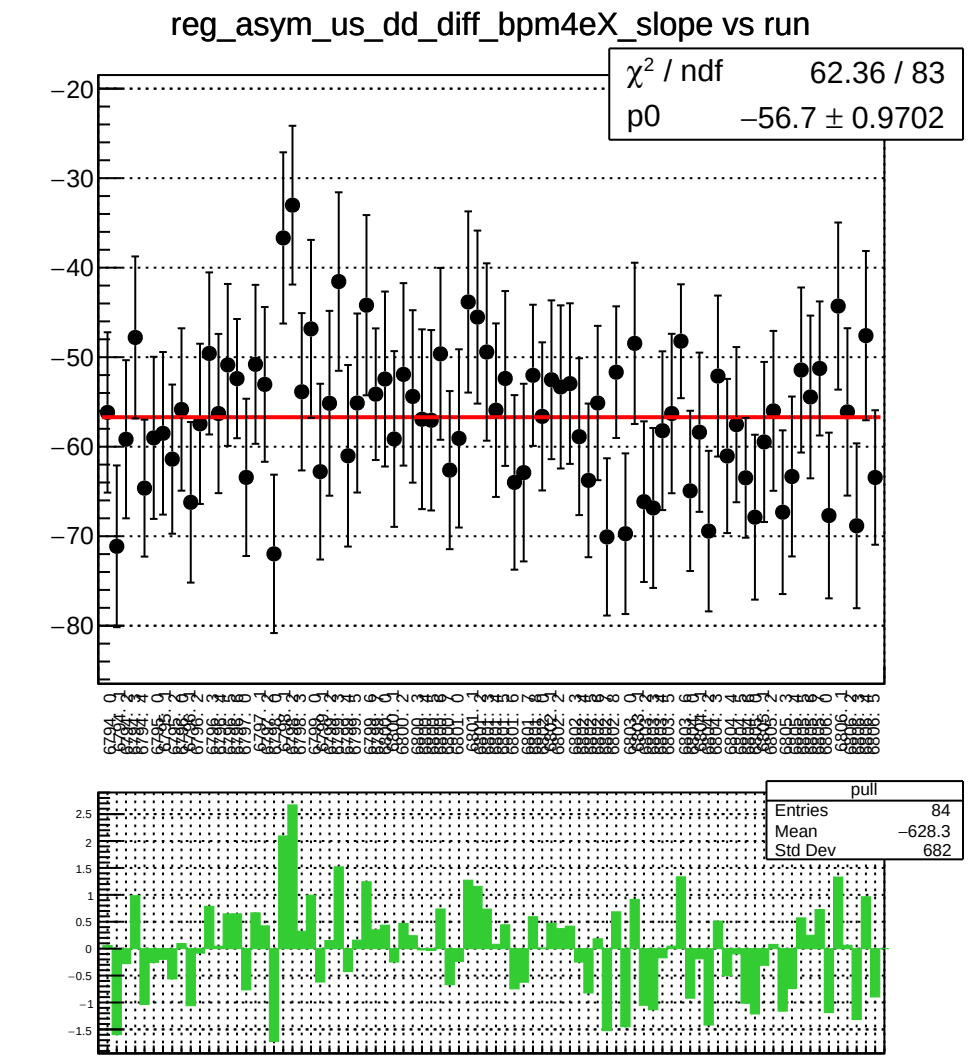

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 117.7 / 83
p0 −38.61 ± 0.05651
−37
−38
−39
−40
−41
−42
pull
Entries 84
Mean −3.202e+04
Std Dev 3.208e+04
2
1
0
−1
−2
−3
−4
−5
−6

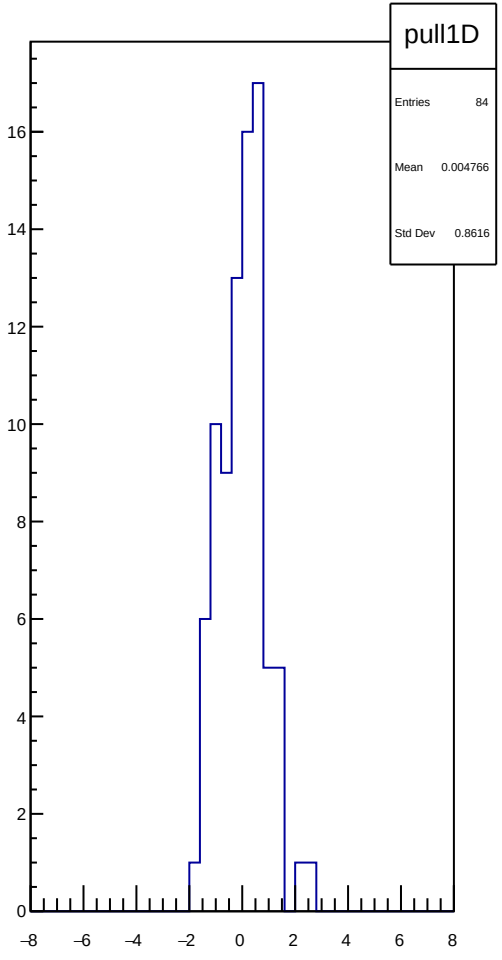

pull1D
Entries 84
Mean −0.0001838
Std Dev 1.184
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

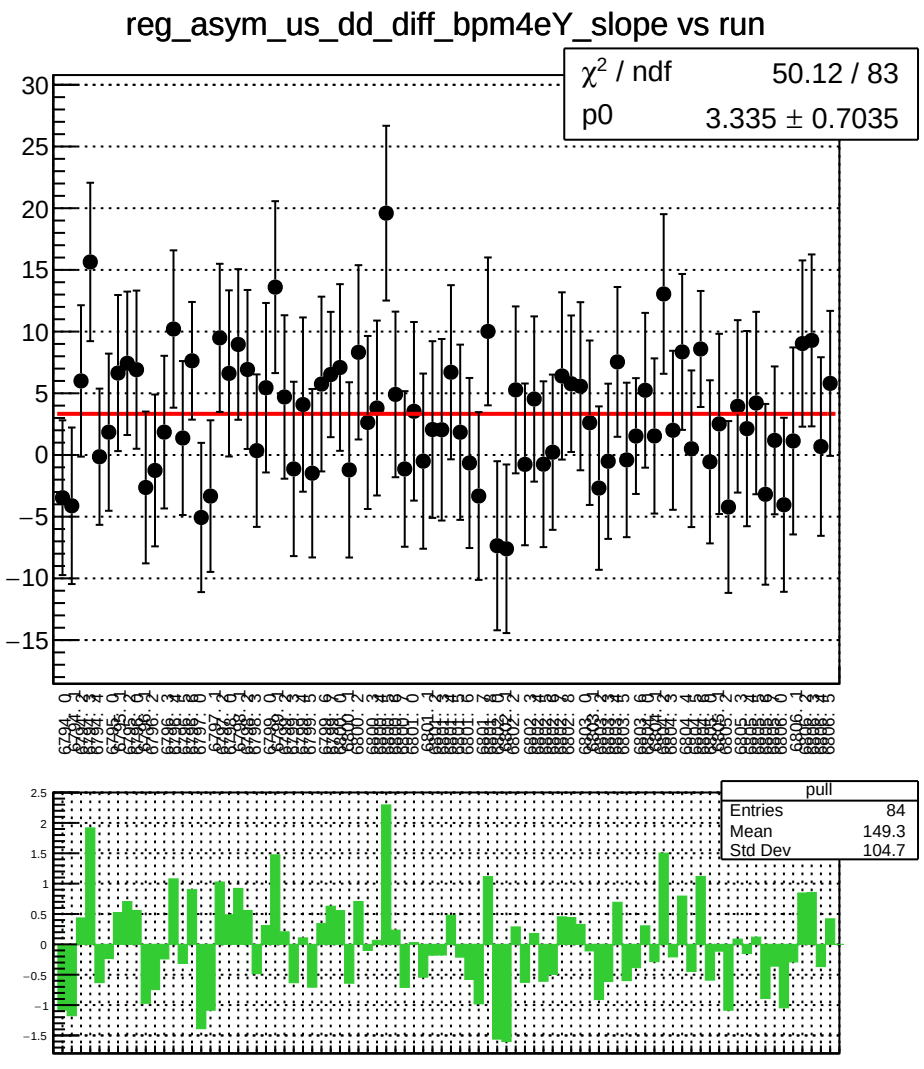

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 60.48 / 83
p0 −3.082 ± 1.035
pull
Entries 84
Mean −1199
Std Dev 1253
pull1D
Entries 84
Mean −0.002744
Std Dev 0.8485

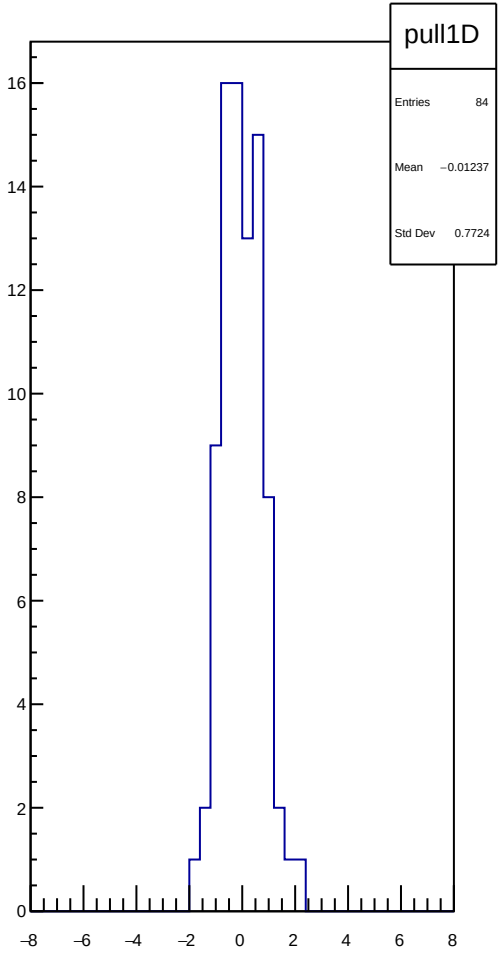

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 48.52 / 83
p0 −0.9924 ± 0.503
pull
Entries 84
Mean 146.4
Std Dev 100.8

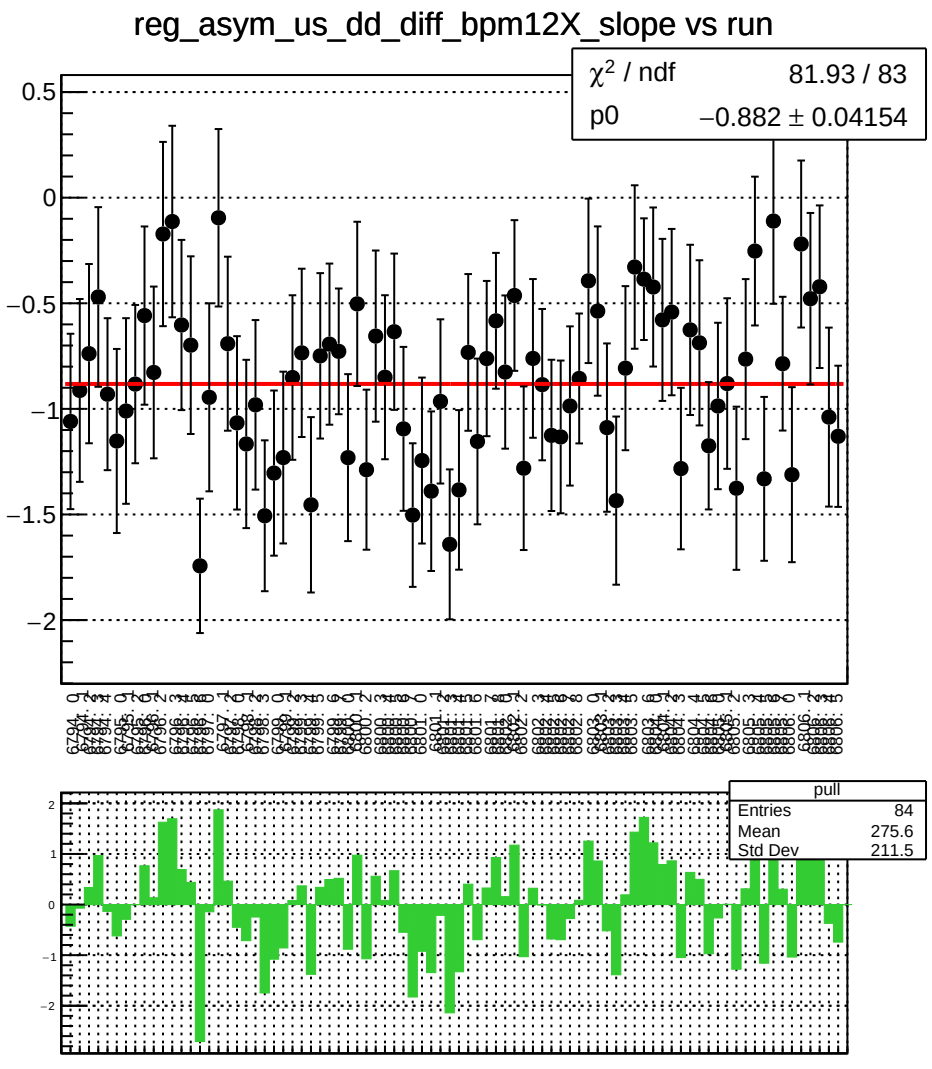

pull1D
Entries 84
Mean 0.01204
Std Dev 0.7599

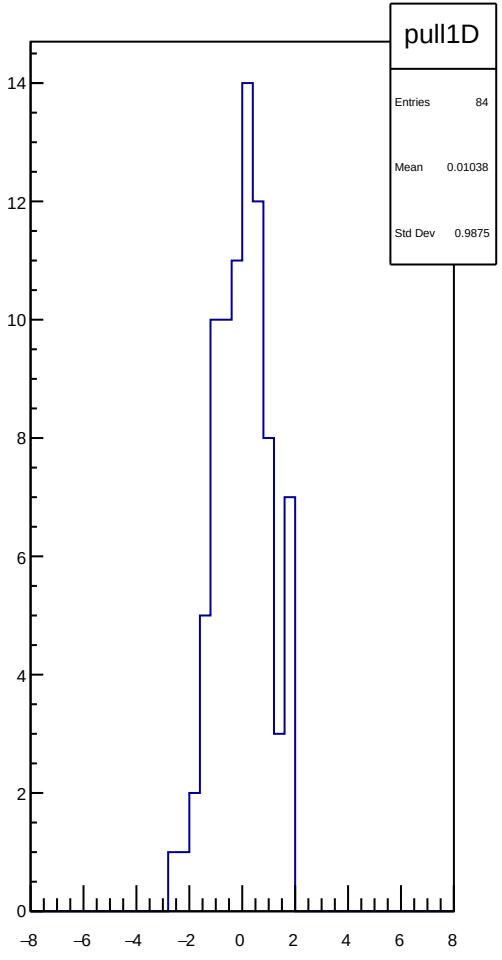

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 62.36 / 83
p0 −56.7 ± 0.9702
pull
Entries 84
Mean −628.3
Std Dev 682

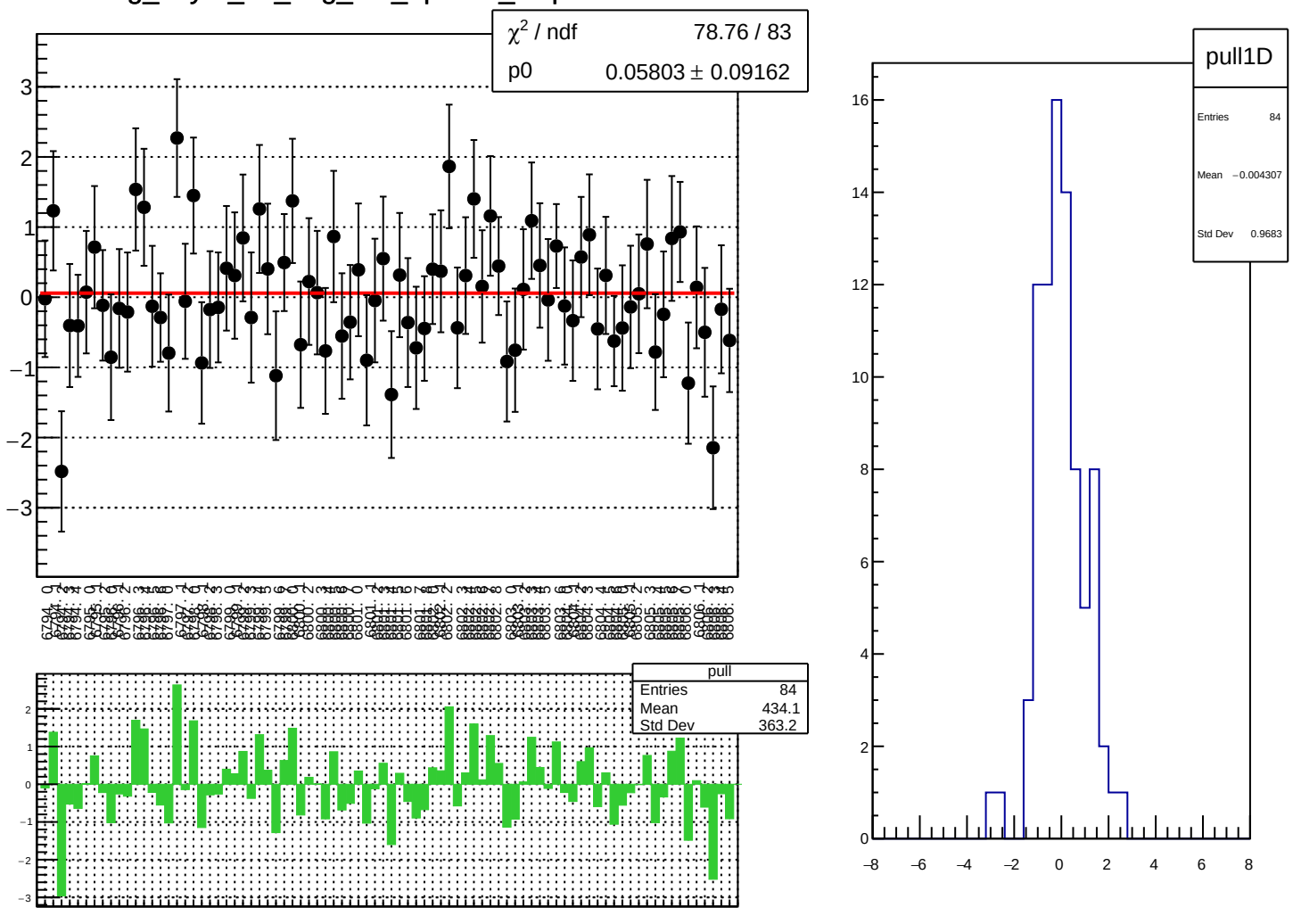

pull1D
Entries 84
Mean 0.004766
Std Dev 0.8616

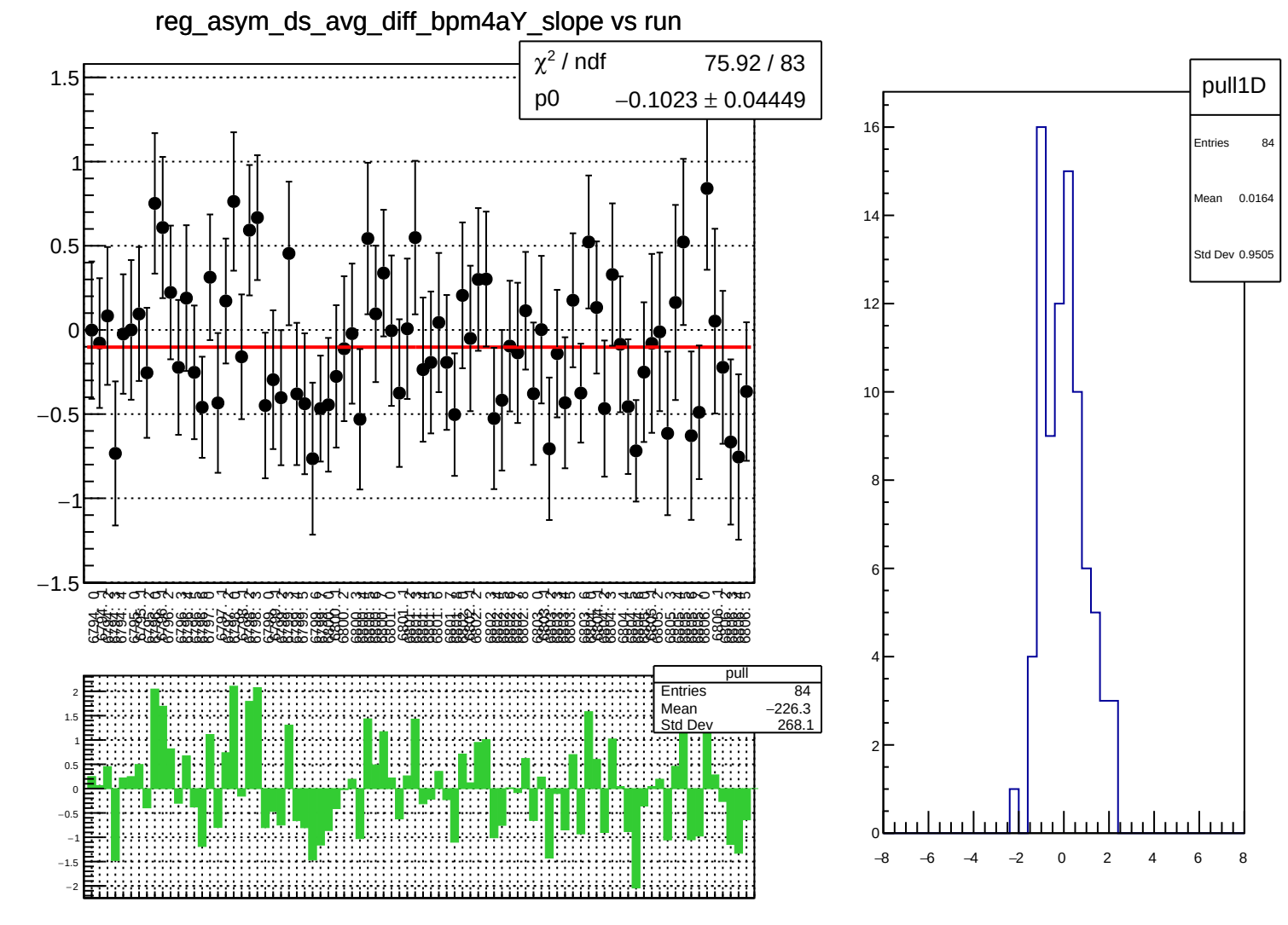

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 50.12 / 83
p0 3.335 ± 0.7035
pull
Entries 84
Mean 149.3
Std Dev 104.7

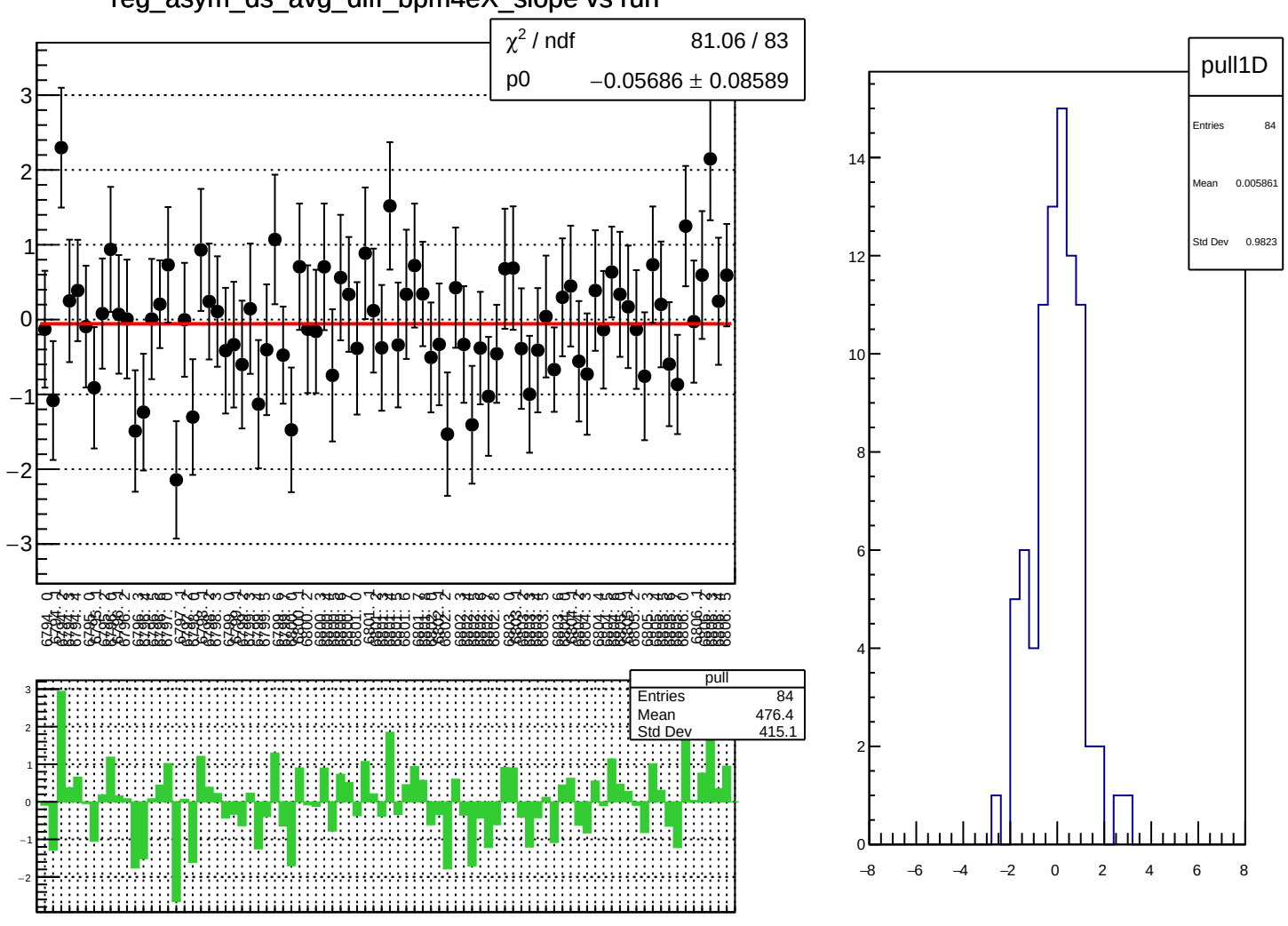

pull1D
Entries 84
Mean −0.01237
Std Dev 0.7724

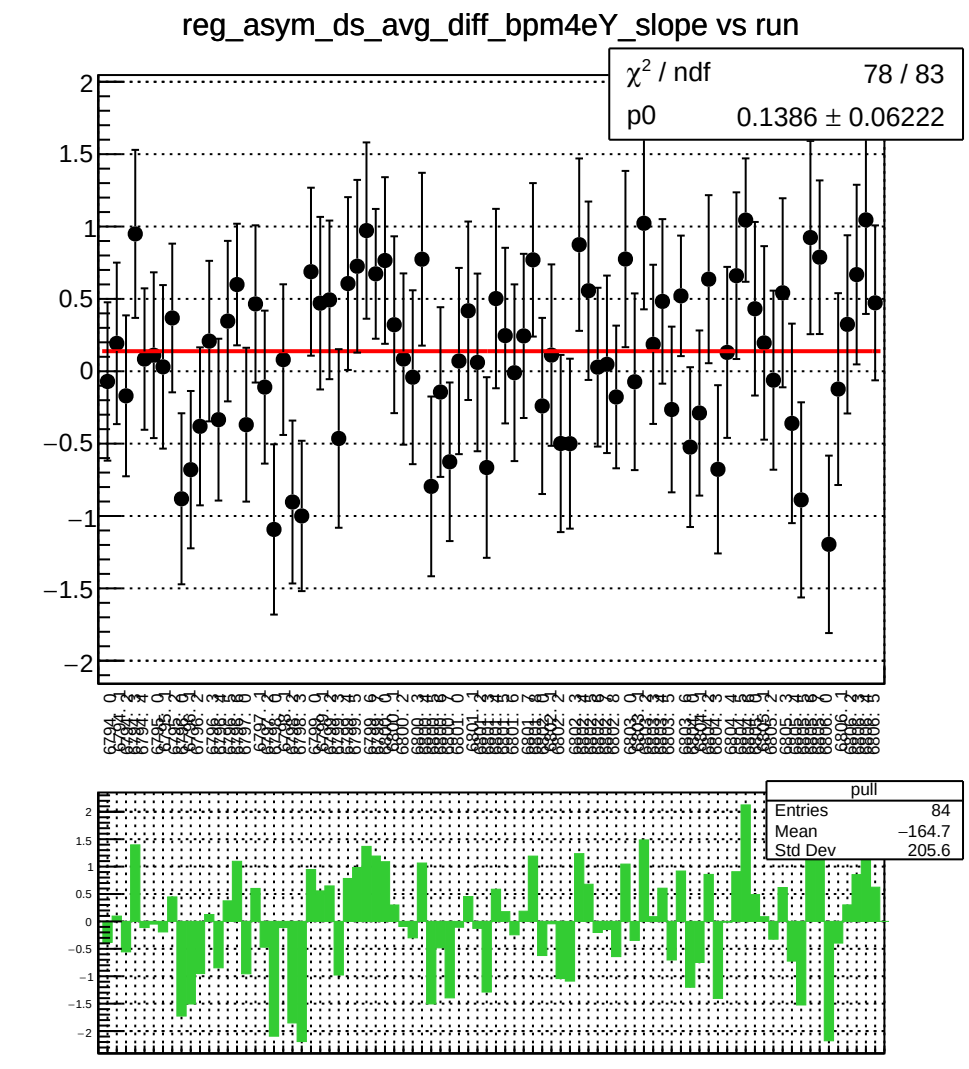

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 81.93 / 83
p0 −0.882 ± 0.04154
pull
Entries 84
Mean 275.6
Std Dev 211.5

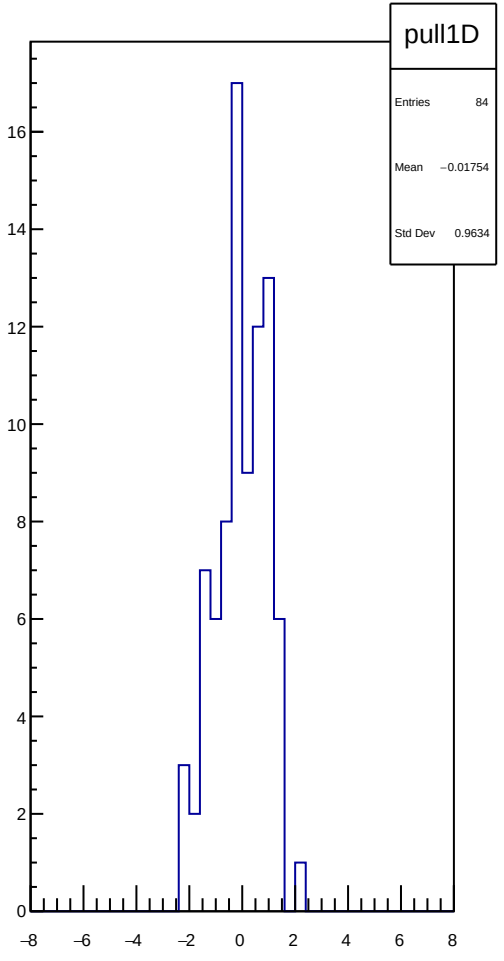

pull1D
Entries 84
Mean 0.01038
Std Dev 0.9875

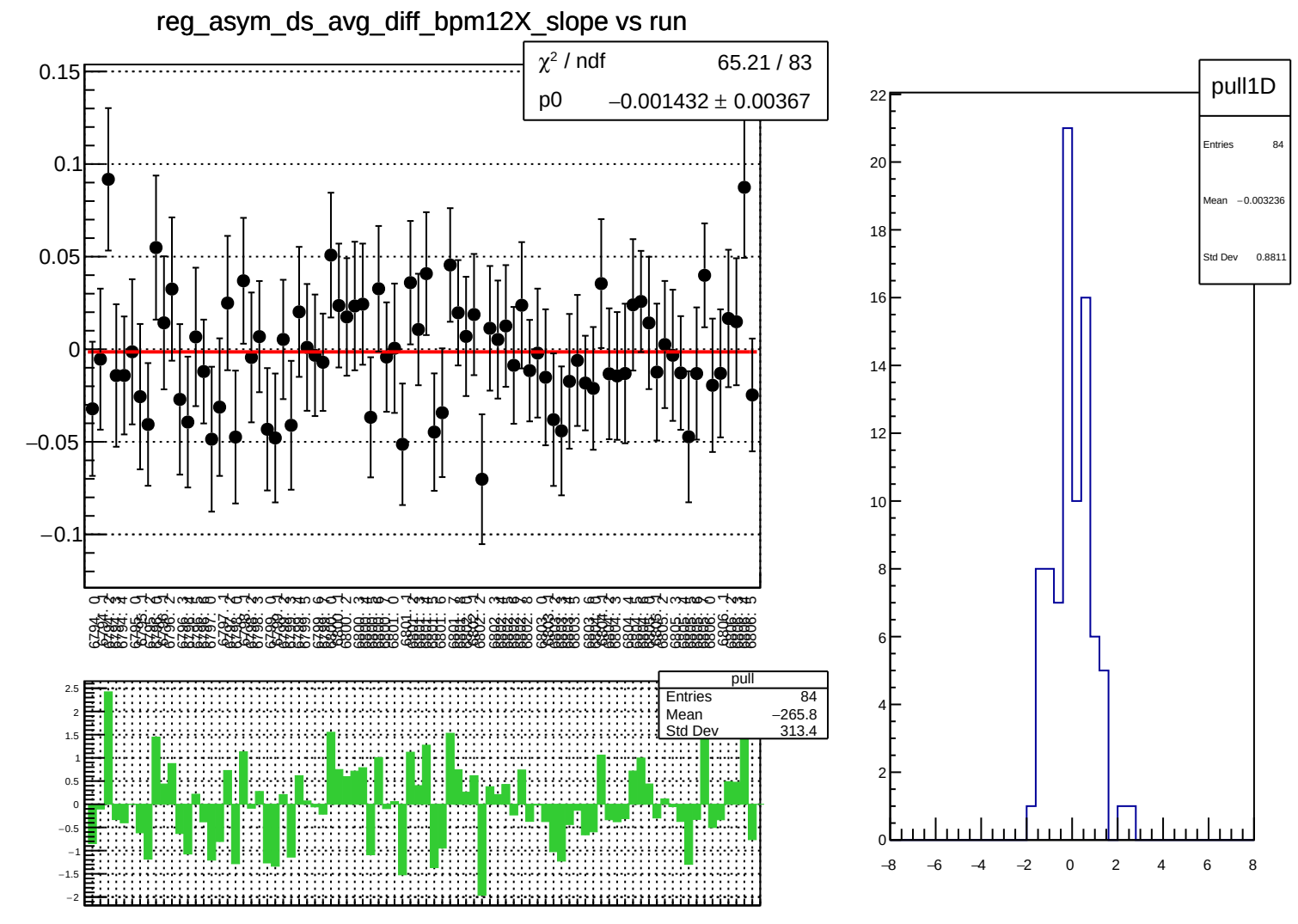

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 78.76 / 83
p0 0.05803 ± 0.09162
pull
Entries 84
Mean 434.1
Std Dev 363.2
pull1D
Entries 84
Mean −0.004307
Std Dev 0.9683

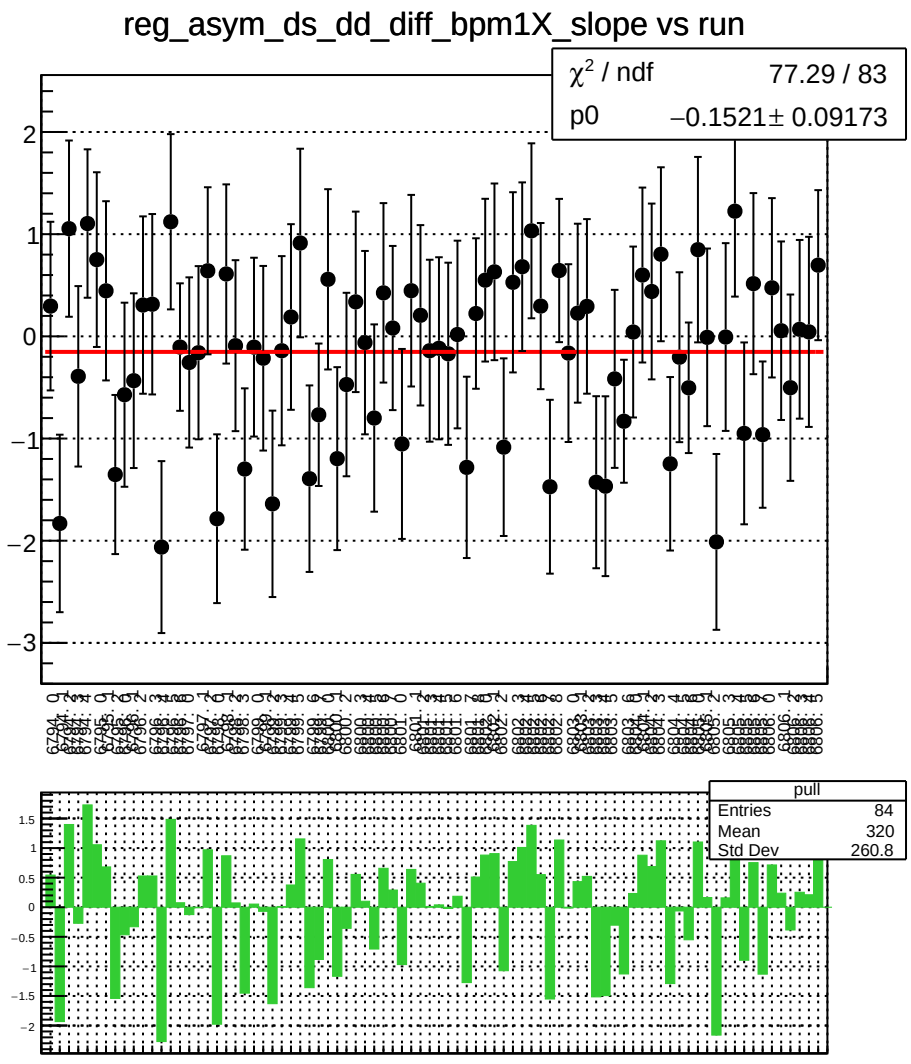

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 75.92 / 83
p0 −0.1023 ± 0.04449
pull
Entries 84
Mean −226.3
Std Dev 268.1
pull1D
Entries 84
Mean 0.0164
Std Dev 0.9505

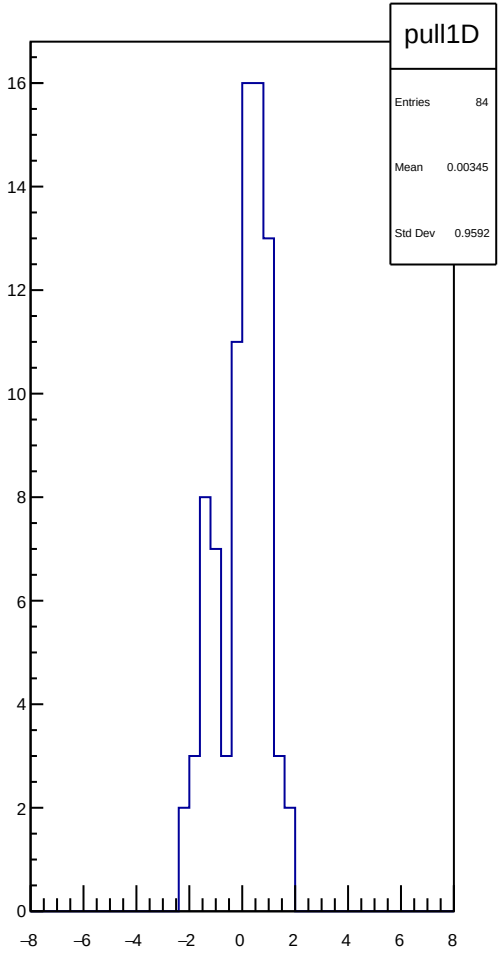

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 81.06 / 83
p0 −0.05686 ± 0.08589
pull
Entries 84
Mean 476.4
Std Dev 415.1
pull1D
Entries 84
Mean 0.005861
Std Dev 0.9823

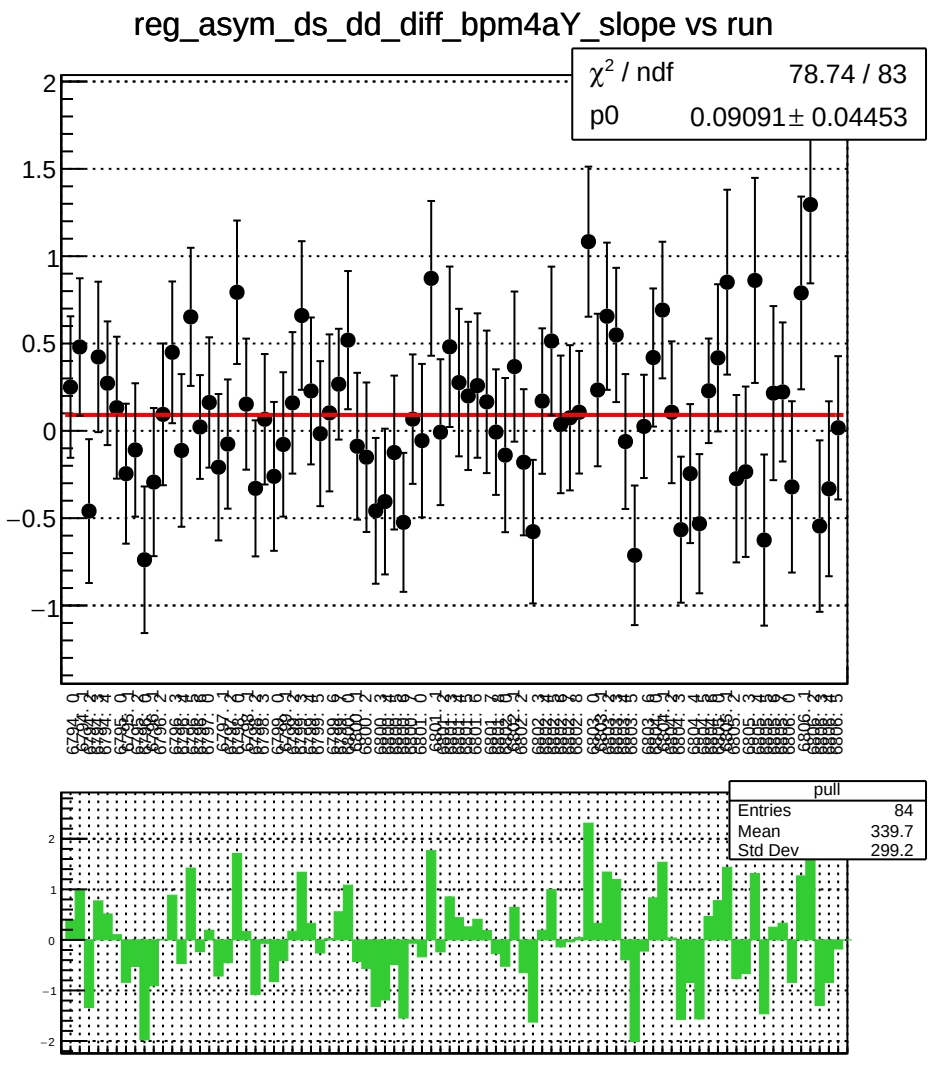

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 78 / 83
p0 0.1386 ± 0.06222
pull
Entries 84
Mean −164.7
Std Dev 205.6

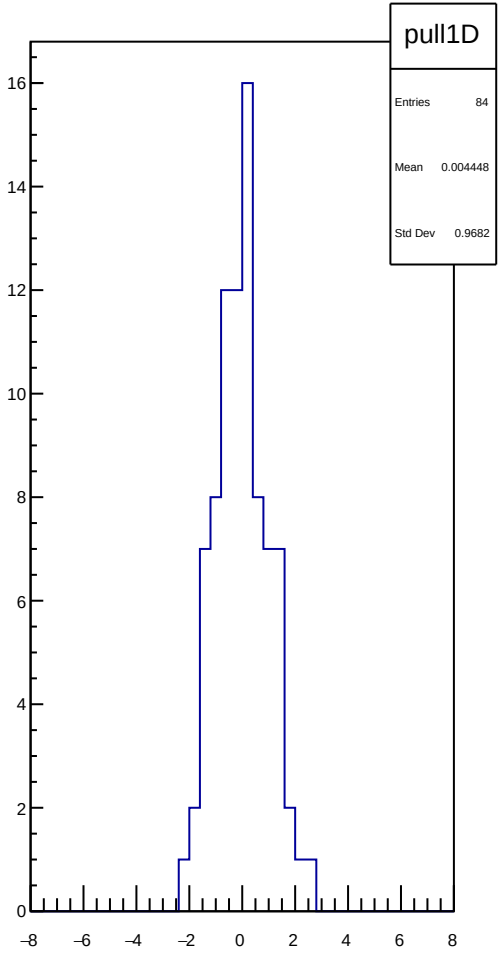

pull1D
Entries 84
Mean −0.01754
Std Dev 0.9634

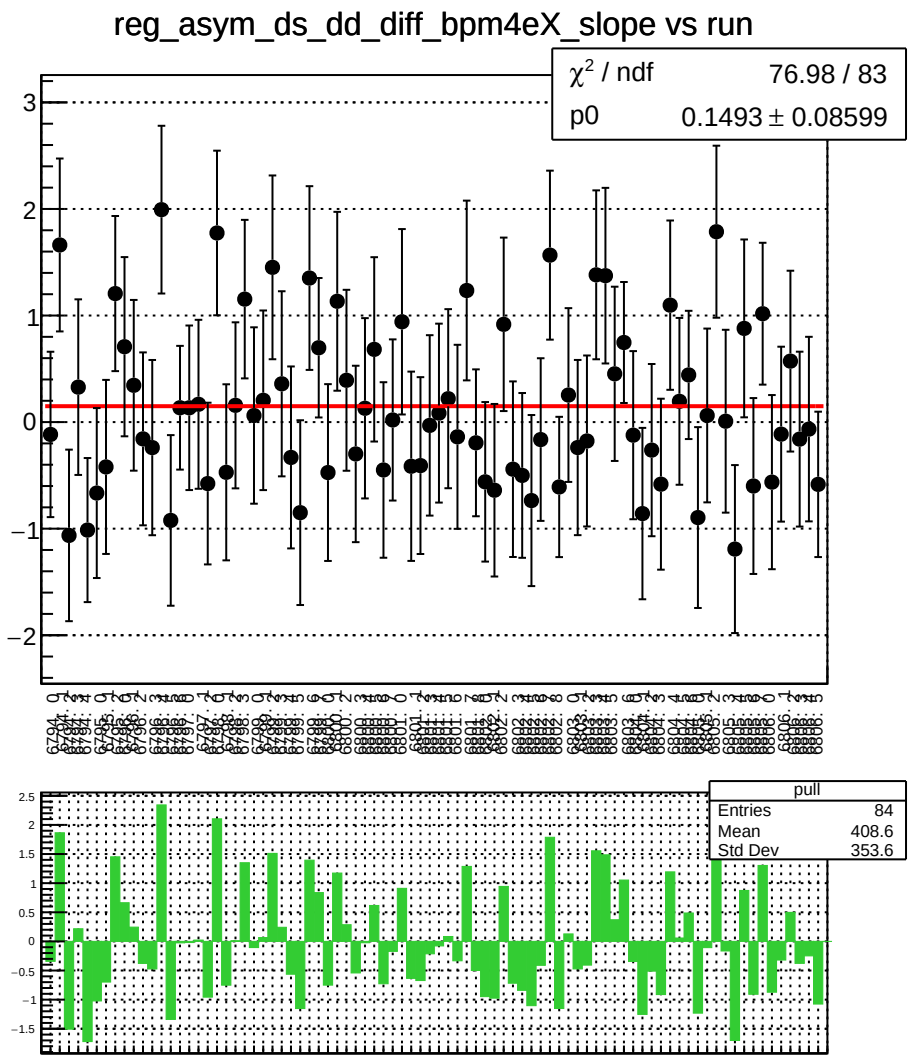

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 65.21 / 83
p0 −0.001432 ± 0.00367
pull
Entries 84
Mean −265.8
Std Dev 313.4
pull1D
Entries 84
Mean −0.003236
Std Dev 0.8811

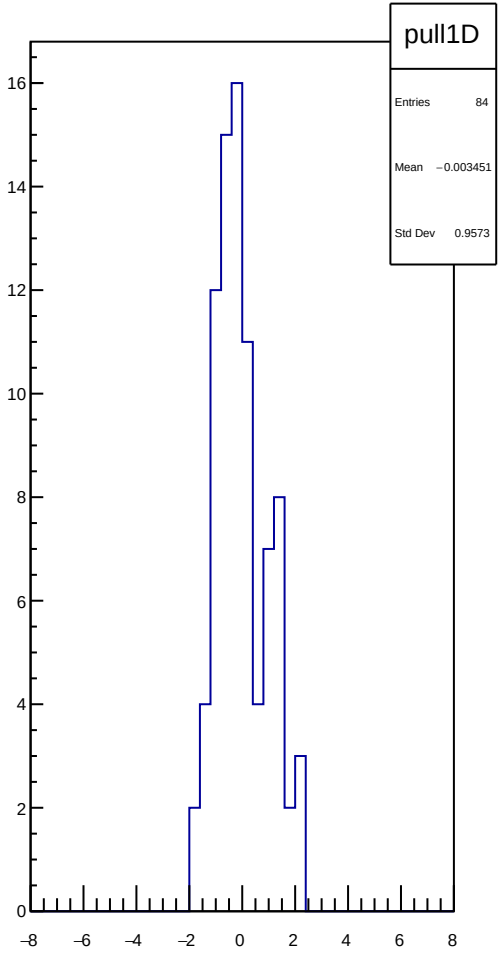

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 77.29 / 83
p0 −0.1521± 0.09173
pull
Entries 84
Mean 320
Std Dev 260.8

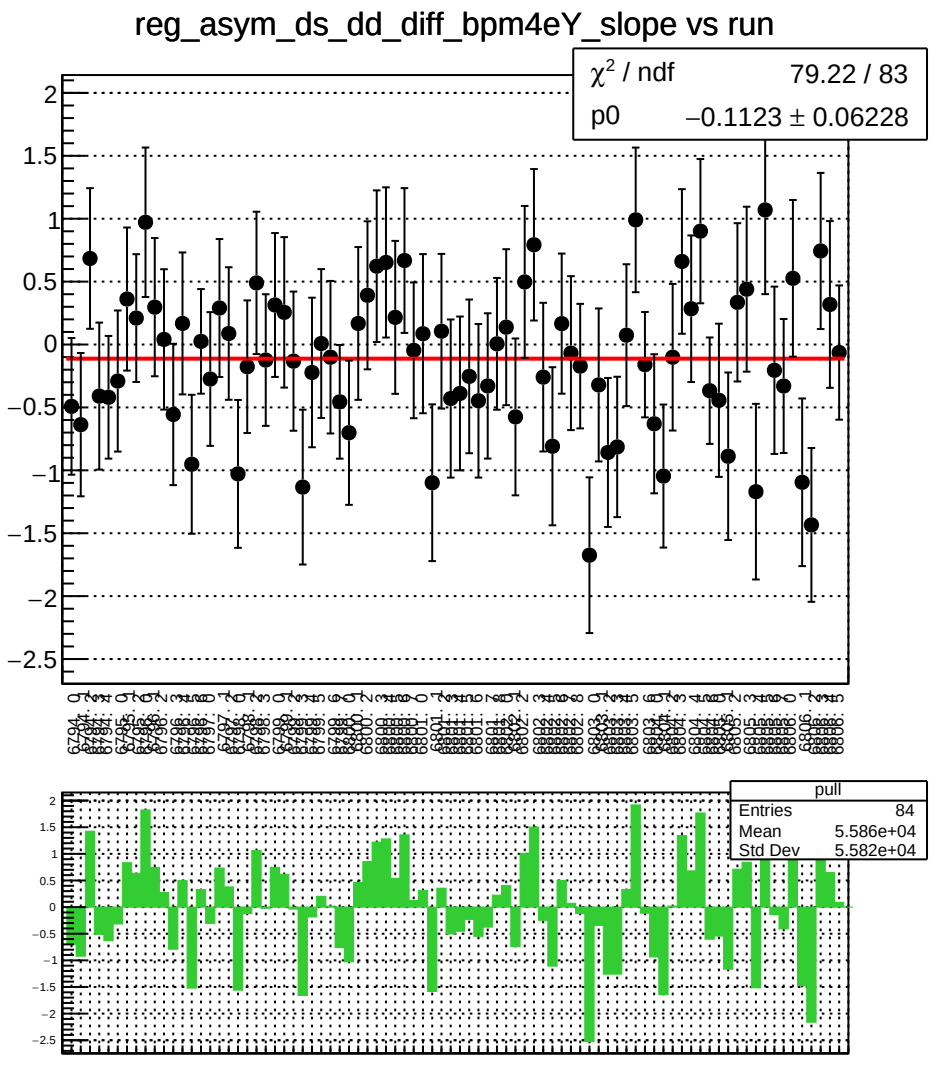

pull1D
Entries 84
Mean 0.00345
Std Dev 0.9592

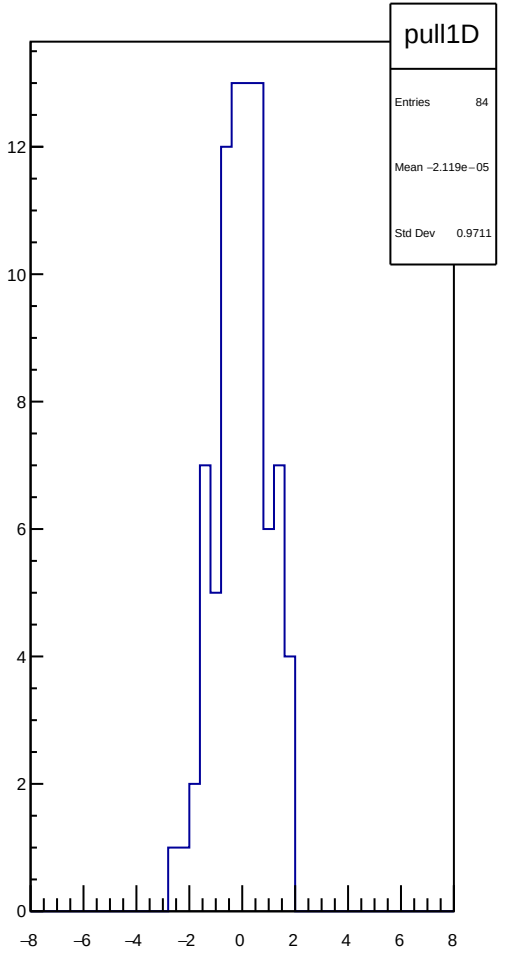

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 78.74 / 83
p0 0.09091 ± 0.04453
pull
Entries 84
Mean 339.7
Std Dev 299.2

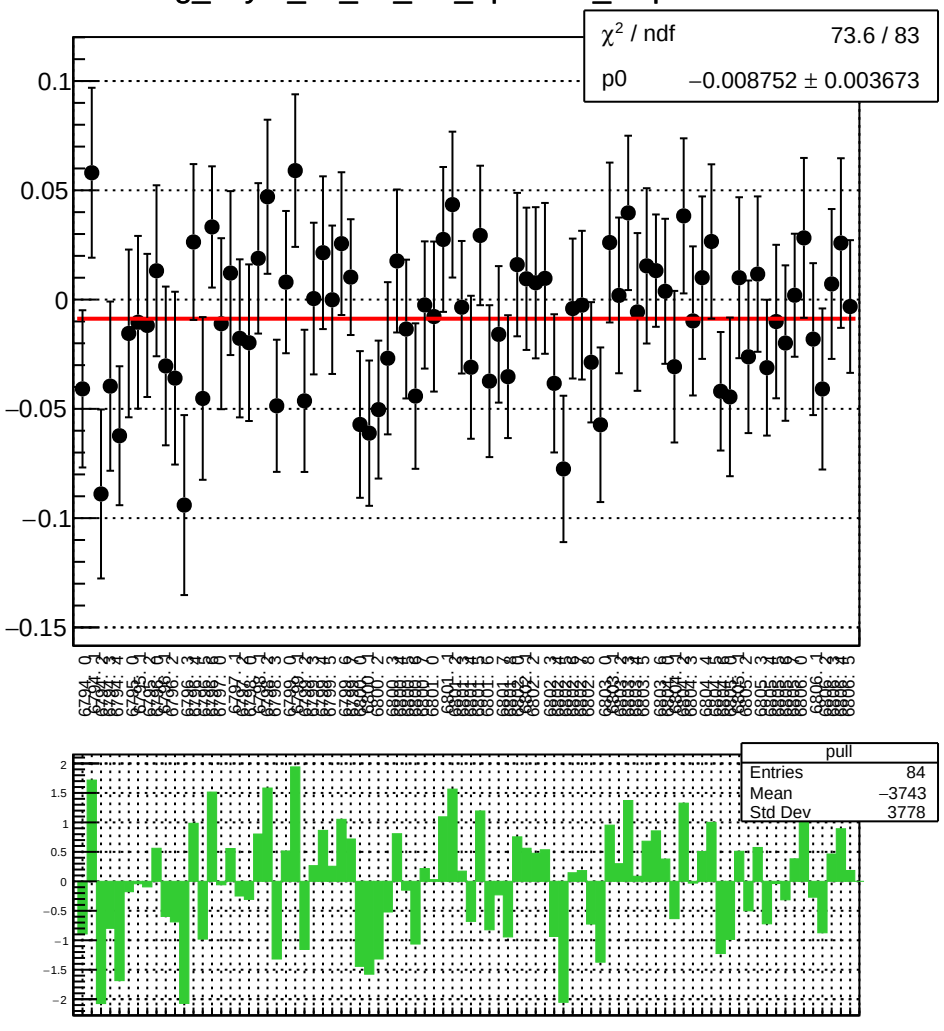

pull1D
Entries 84
Mean 0.004448
Std Dev 0.9682

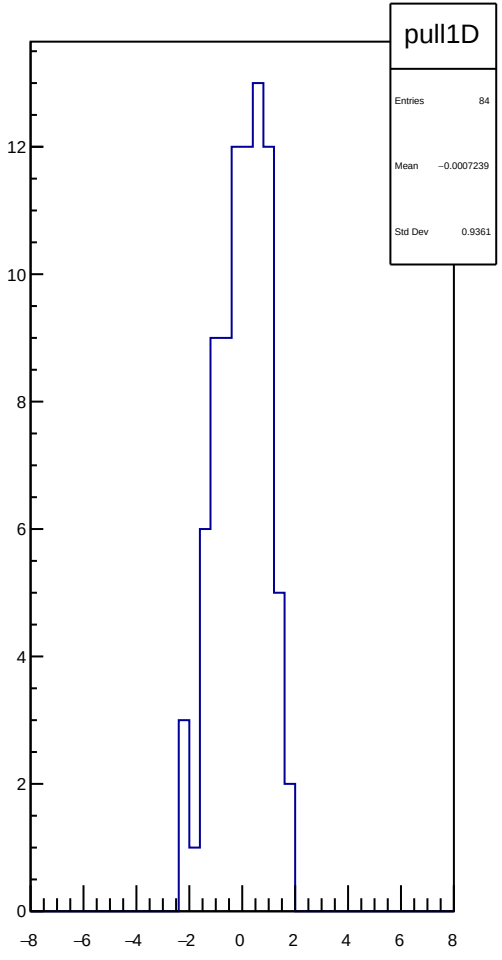

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 76.98 / 83
p0 0.1493 ± 0.08599
pull
Entries 84
Mean 408.6
Std Dev 353.6

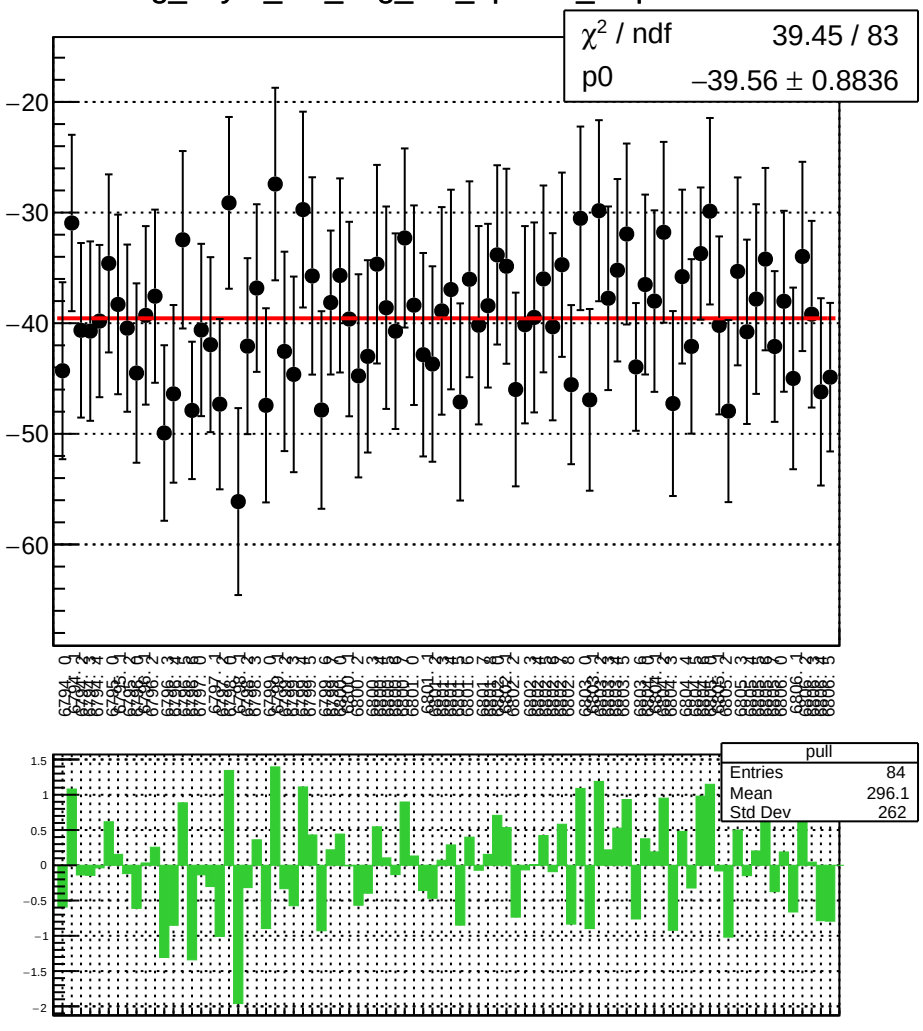

pull1D
Entries 84
Mean −0.003451
Std Dev 0.9573

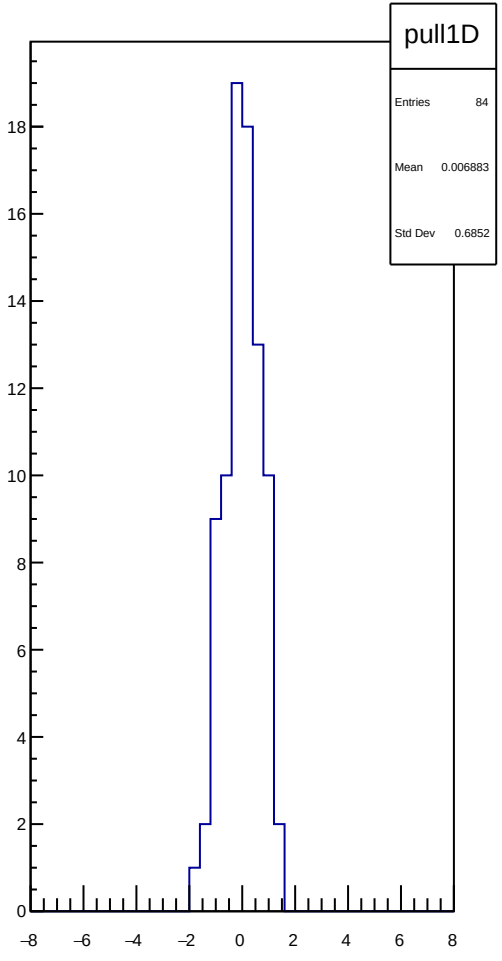

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 79.22 / 83
p0 −0.1123 ± 0.06228
pull
Entries 84
Mean 5.586e+04
Std Dev 5.582e+04

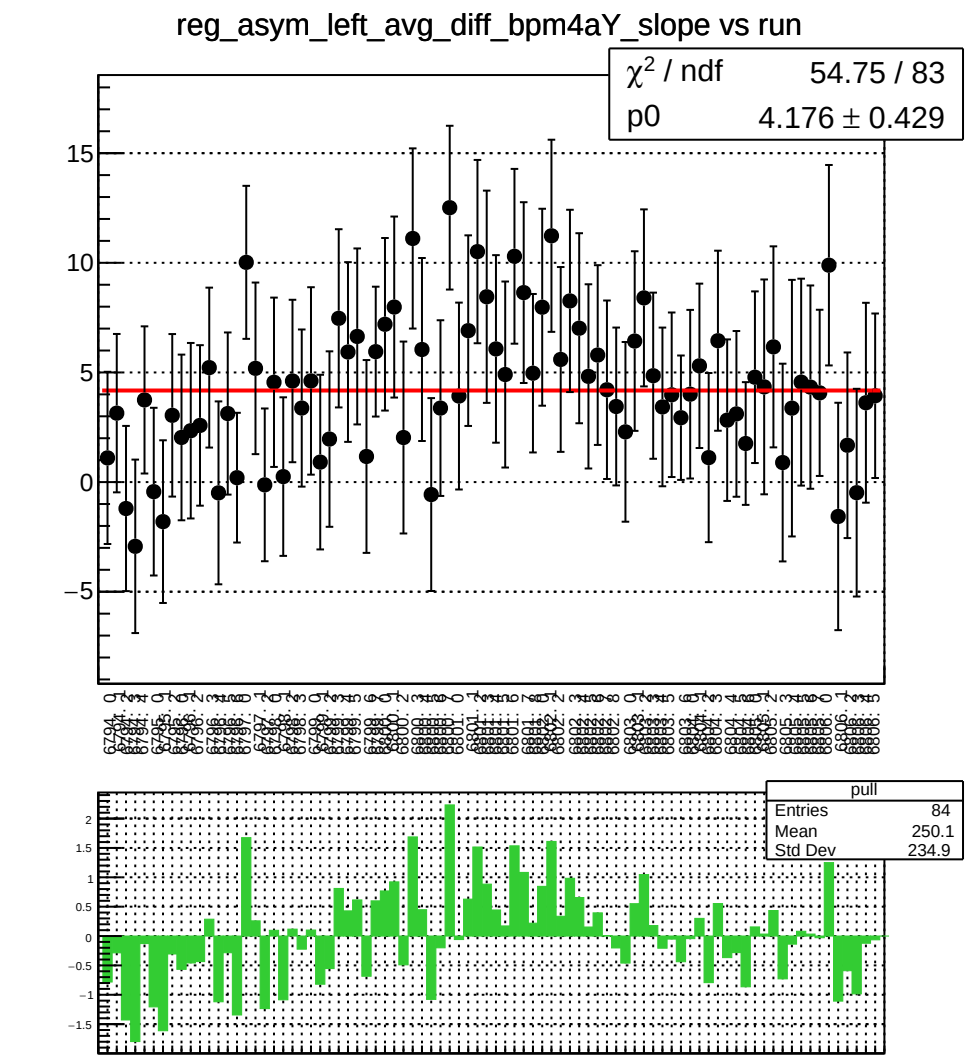

pull1D
Entries 84
Mean −2.119e−05
Std Dev 0.9711

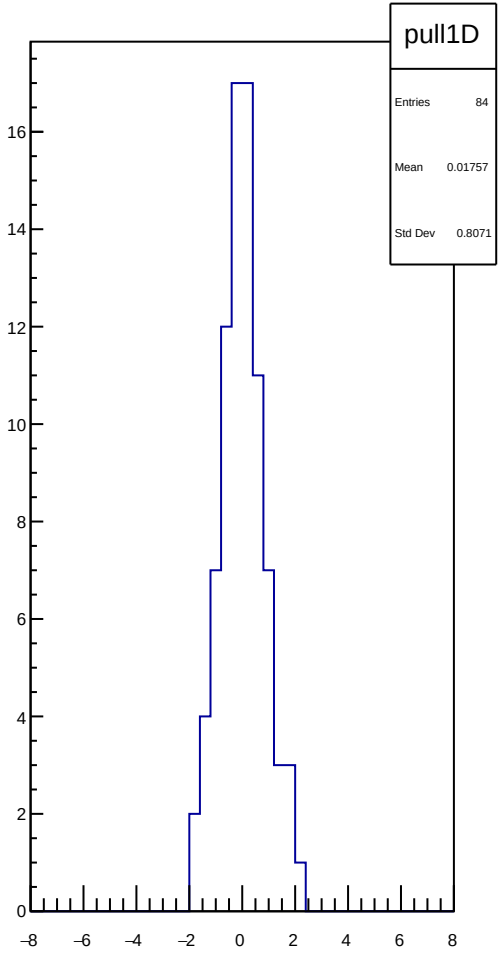

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 73.6 / 83
p0 −0.008752 ± 0.003673
pull
Entries 84
Mean −3743
Std Dev 3778

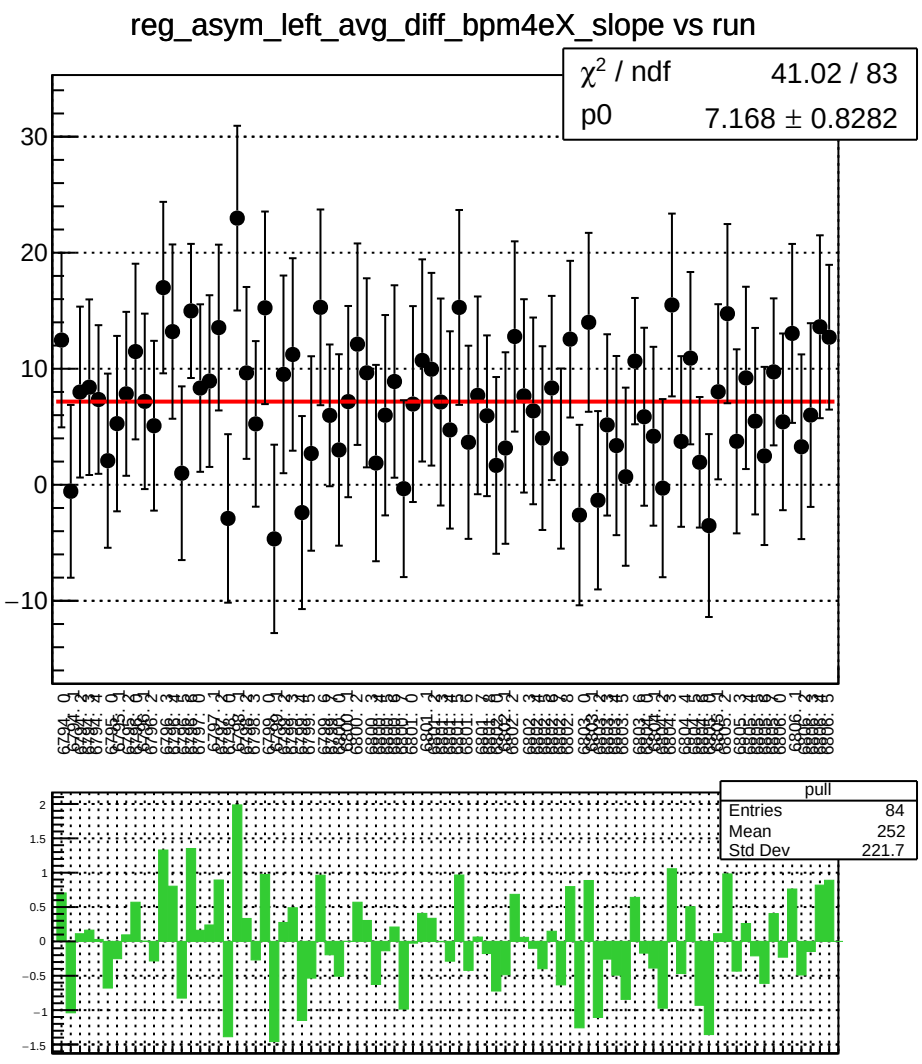

pull1D
Entries 84
Mean −0.0007239
Std Dev 0.9361

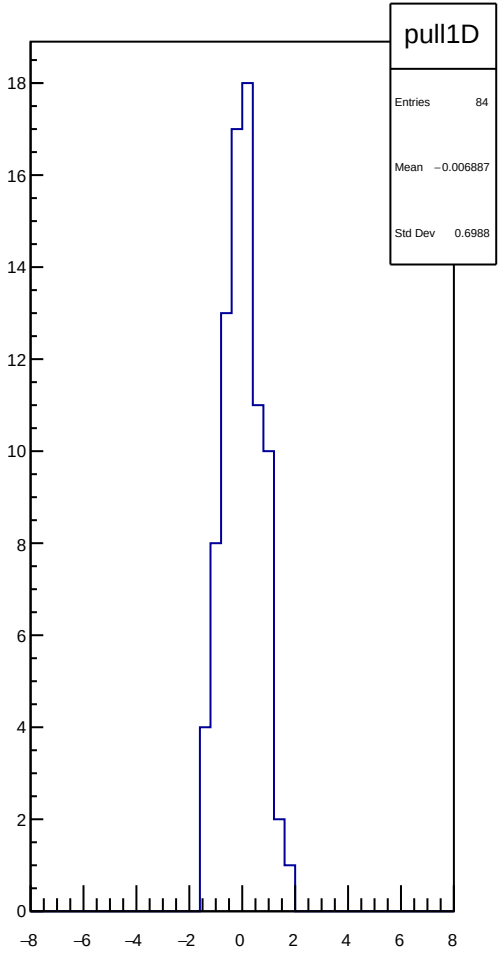

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 39.45 / 83
p0 −39.56 ± 0.8836
pull
Entries 84
Mean 296.1
Std Dev 262

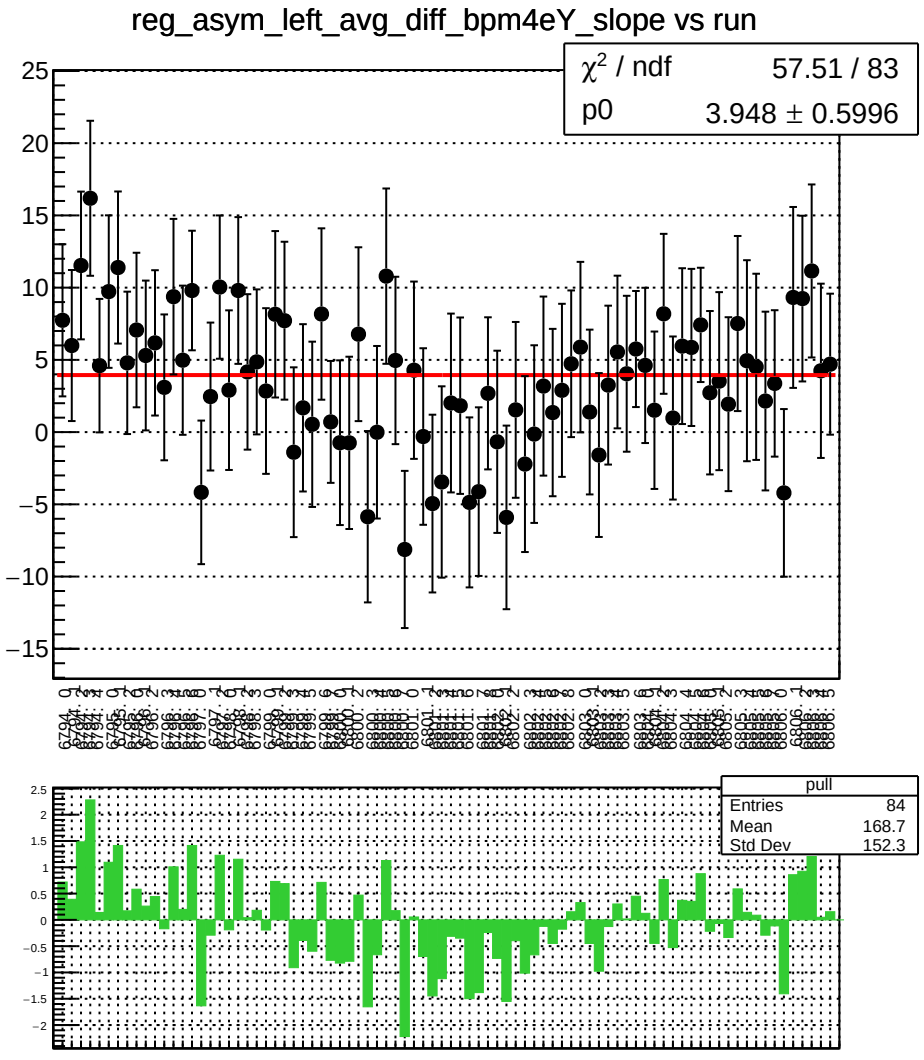

pull1D
Entries 84
Mean 0.006883
Std Dev 0.6852

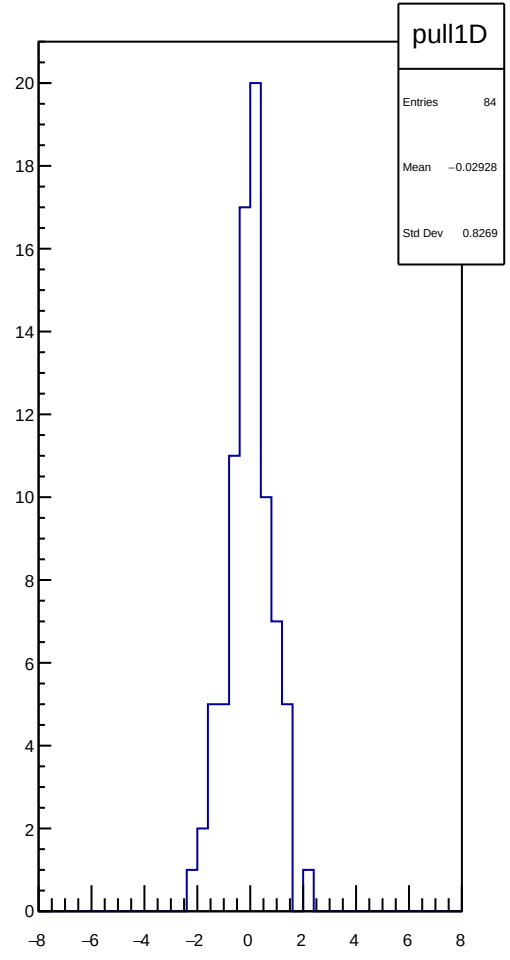

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 54.75 / 83
p0 4.176 ± 0.429
pull
Entries 84
Mean 250.1
Std Dev 234.9

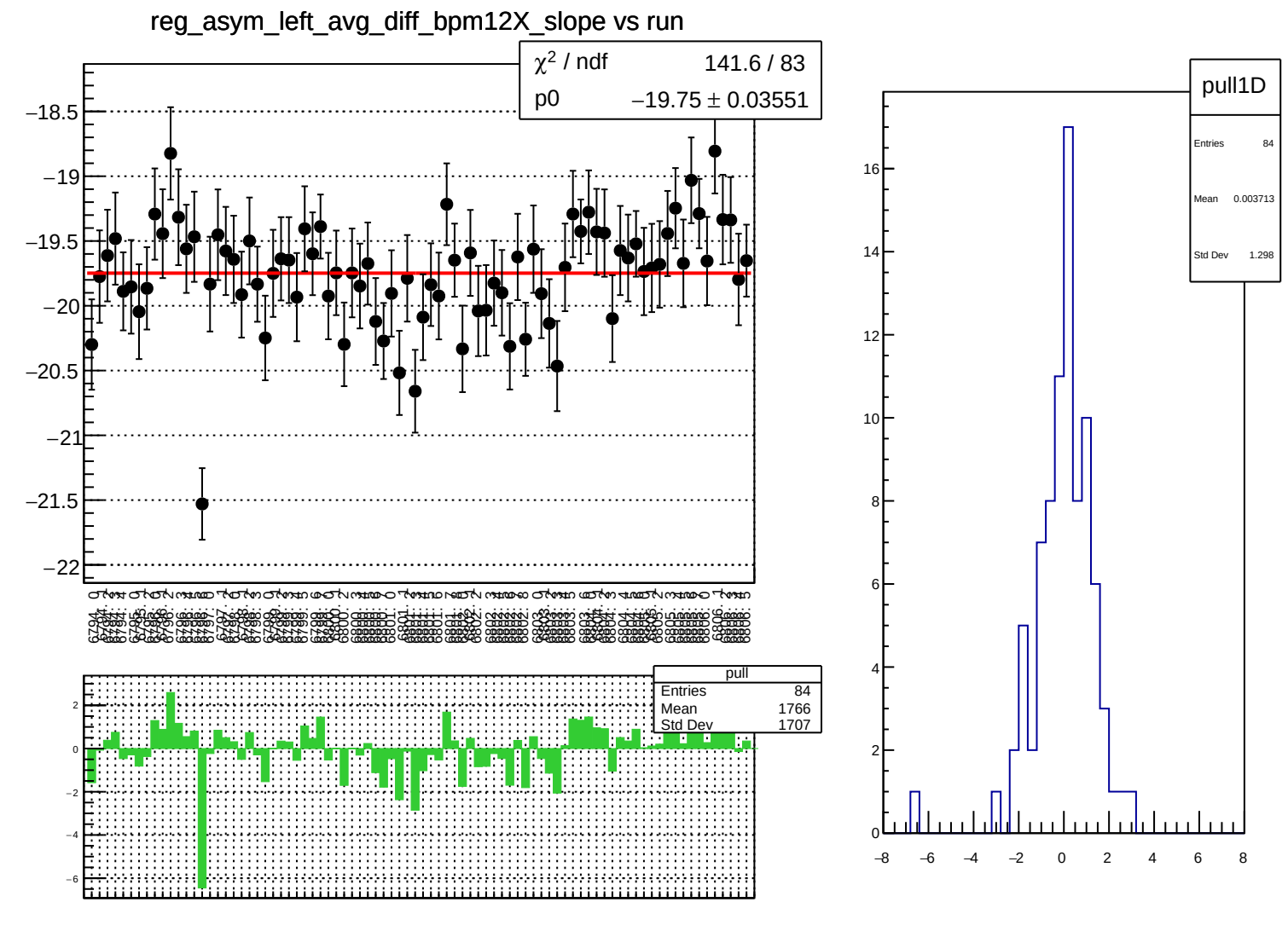

pull1D
Entries 84
Mean 0.01757
Std Dev 0.8071

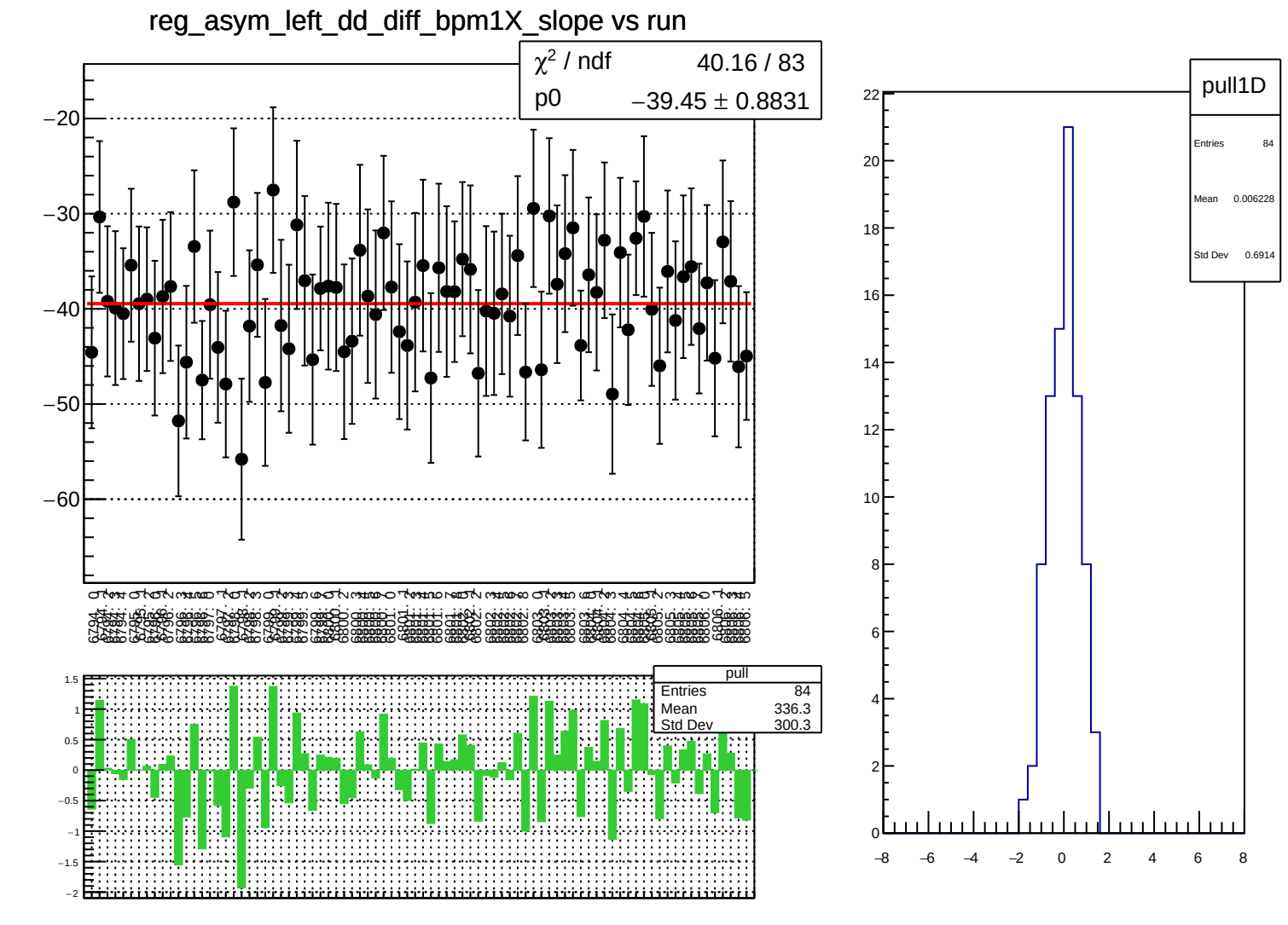

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 41.02 / 83
p0 7.168 ± 0.8282
pull
Entries 84
Mean 252
Std Dev 221.7

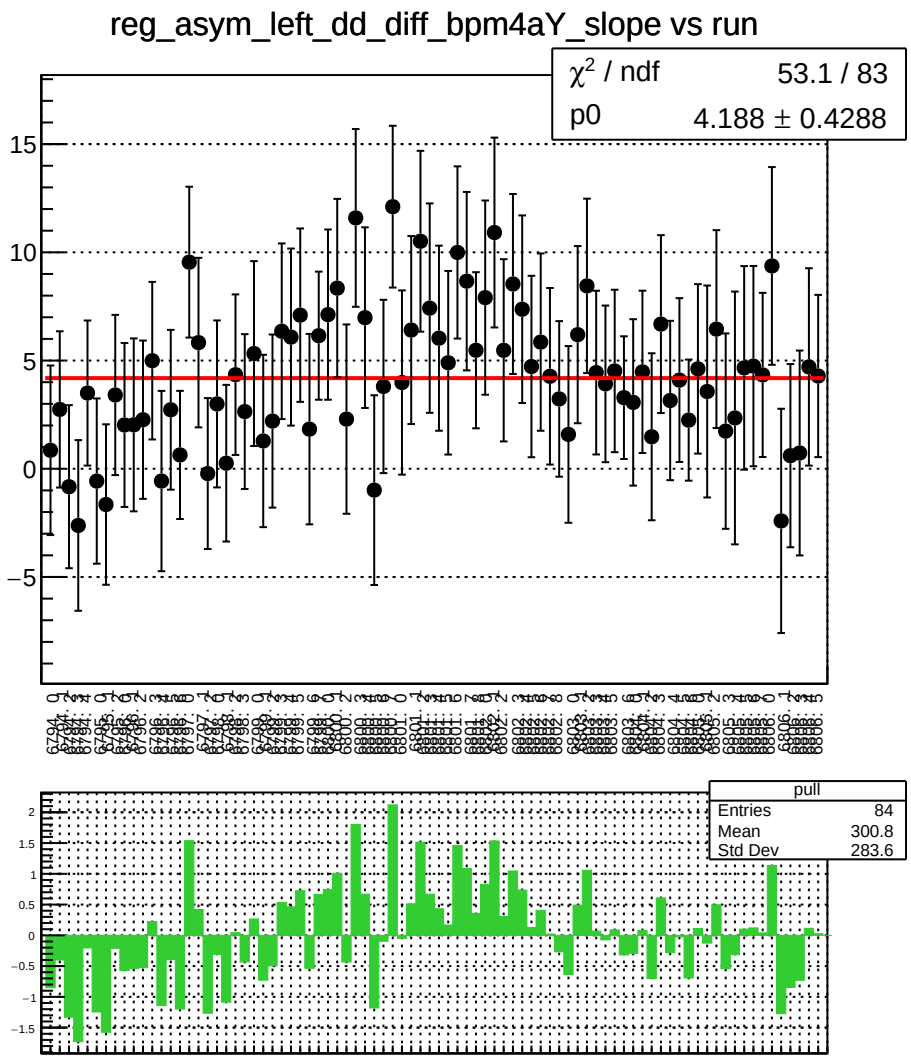

pull1D
Entries 84
Mean −0.006887
Std Dev 0.6988

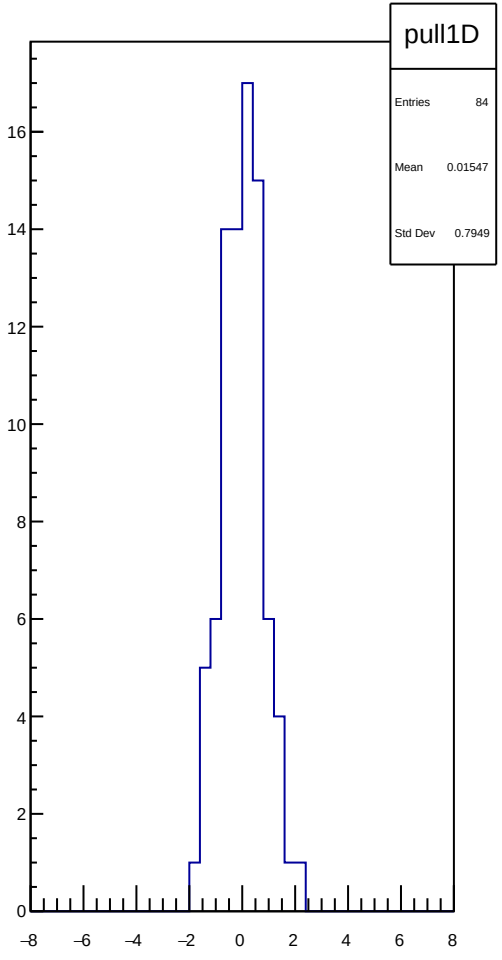

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 57.51 / 83
p0 3.948 ± 0.5996
pull
Entries 84
Mean 168.7
Std Dev 152.3

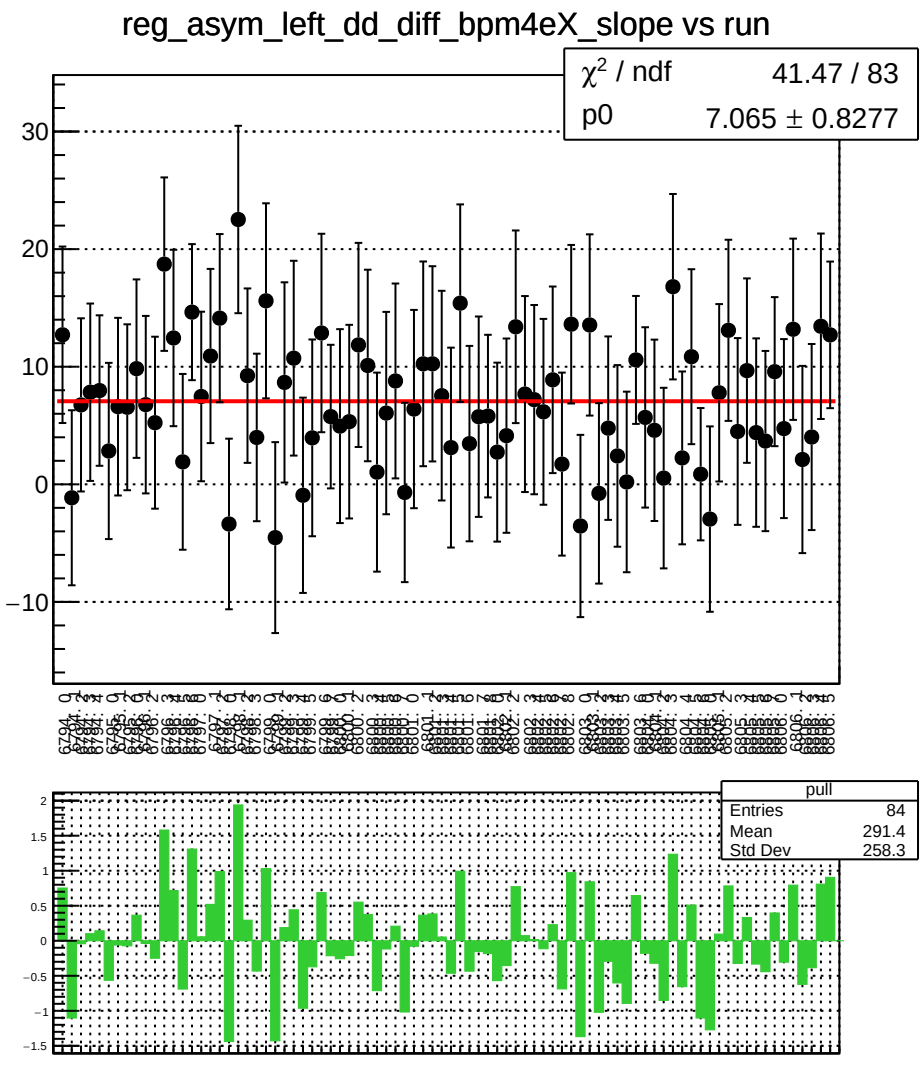

pull1D
Entries 84
Mean −0.02928
Std Dev 0.8269

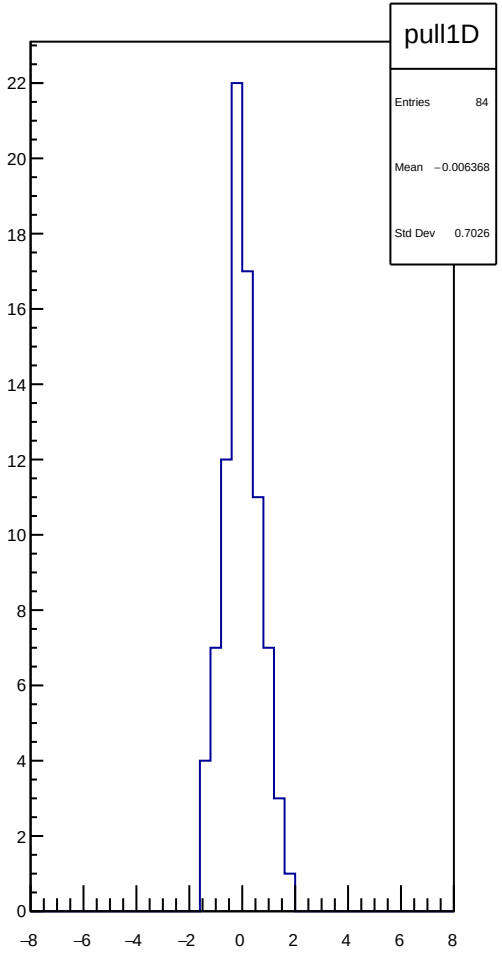

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 141.6 / 83
p0 −19.75 ± 0.03551
−18.5
−19
−19.5
−20
−20.5
−21
−21.5
−22
pull
Entries 84
Mean 1766
Std Dev 1707
2
0
−2
−4
−6
pull1D
Entries 84
Mean 0.003713
Std Dev 1.298
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

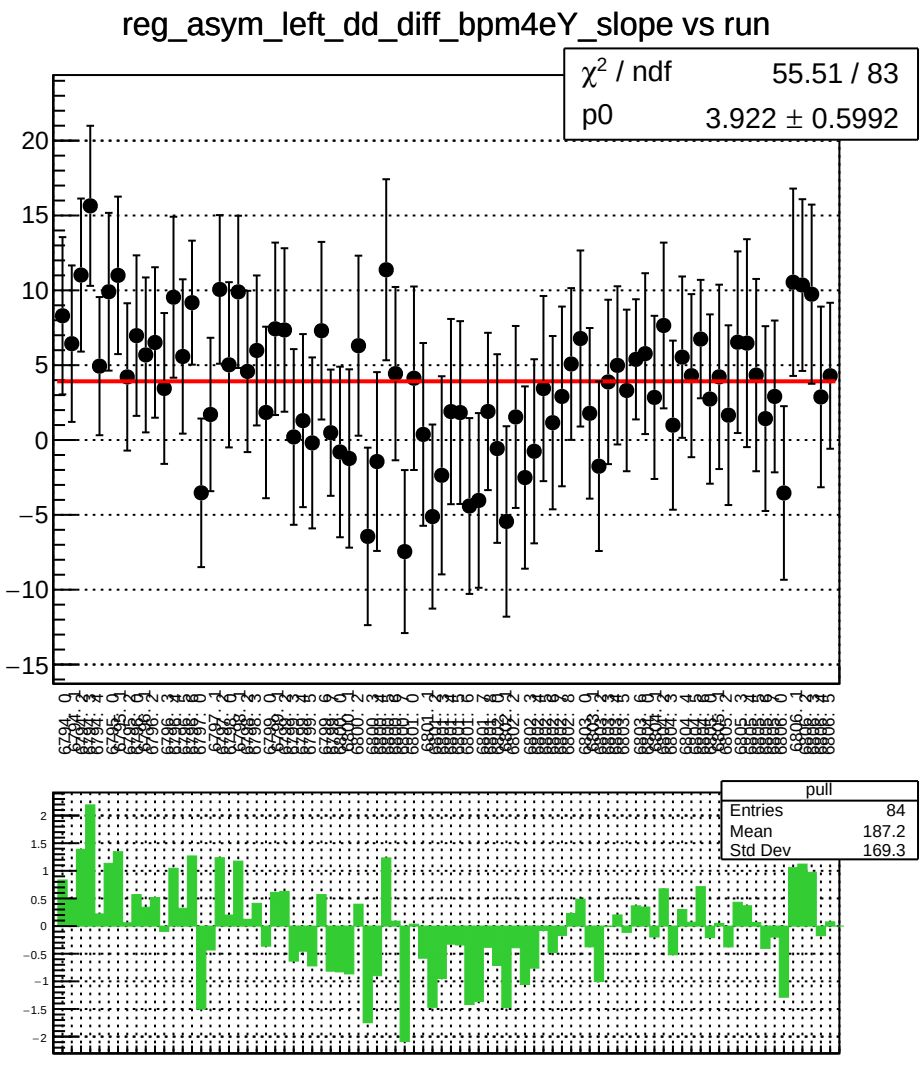

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 40.16 / 83
p0 −39.45 ± 0.8831
pull
Entries 84
Mean 336.3
Std Dev 300.3
pull1D
Entries 84
Mean 0.006228
Std Dev 0.6914

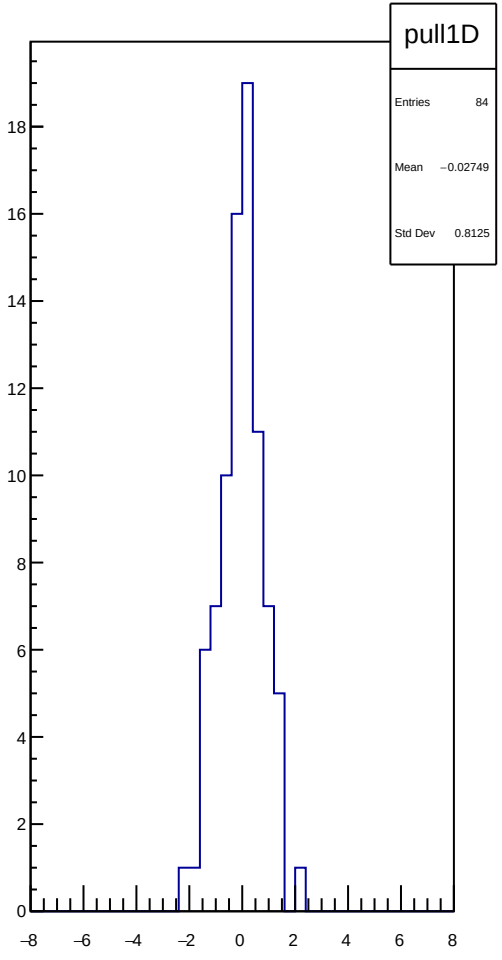

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 53.1 / 83
p0 4.188 ± 0.4288
pull
Entries 84
Mean 300.8
Std Dev 283.6

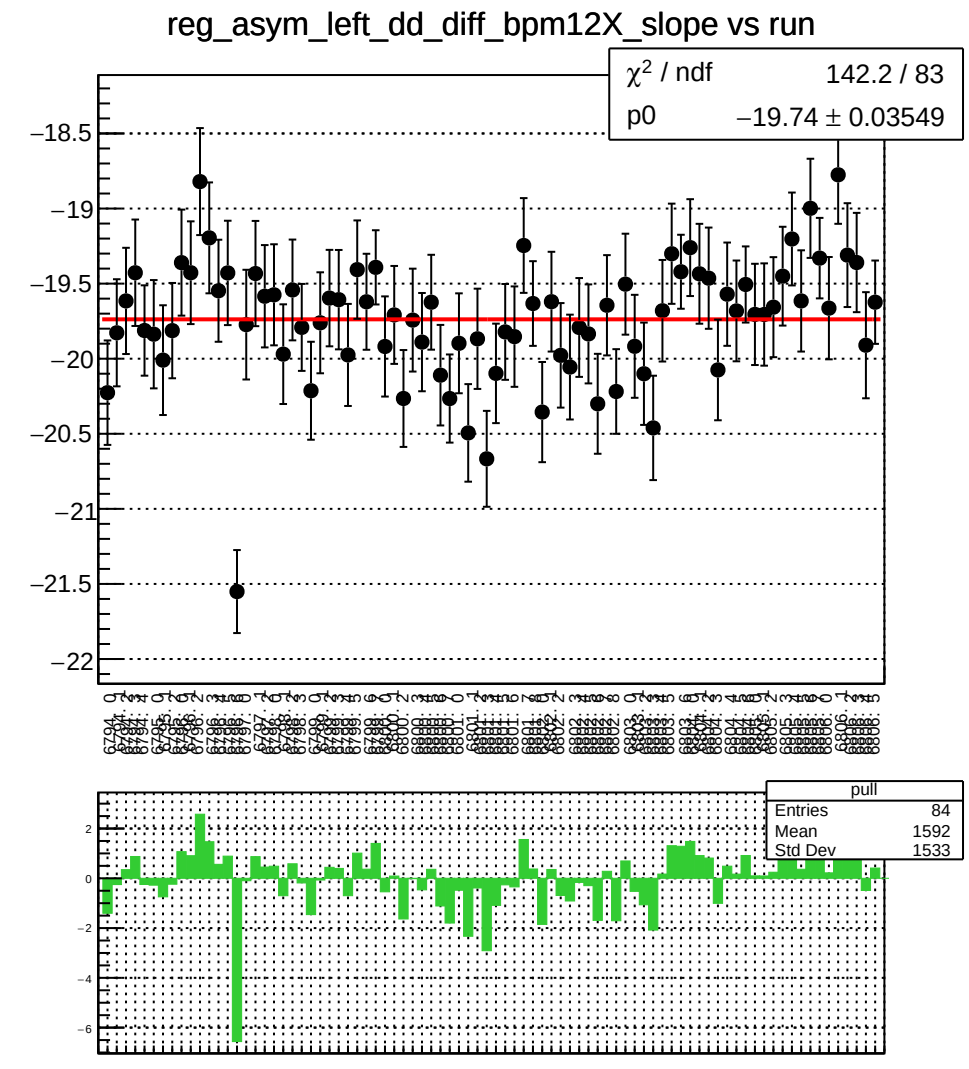

pull1D
Entries 84
Mean 0.01547
Std Dev 0.7949

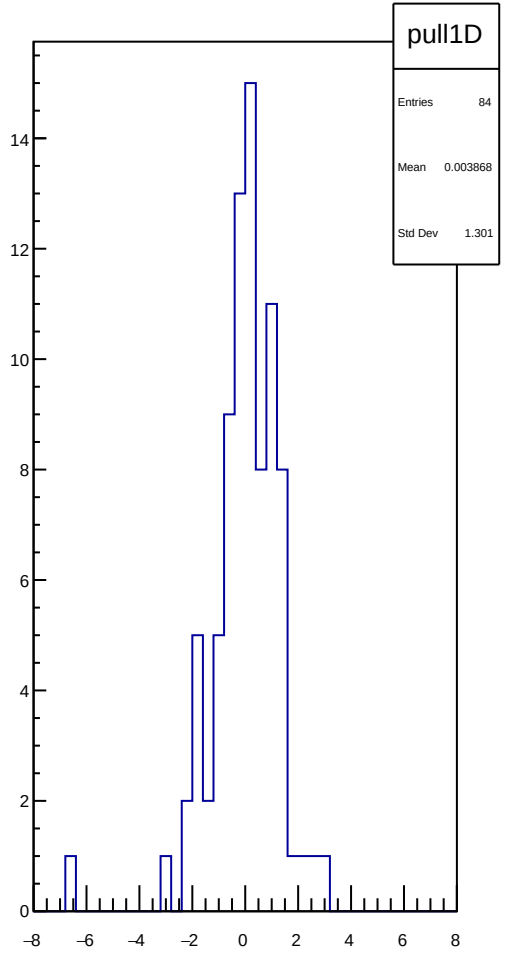

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 41.47 / 83
p0 7.065 ± 0.8277
pull
Entries 84
Mean 291.4
Std Dev 258.3

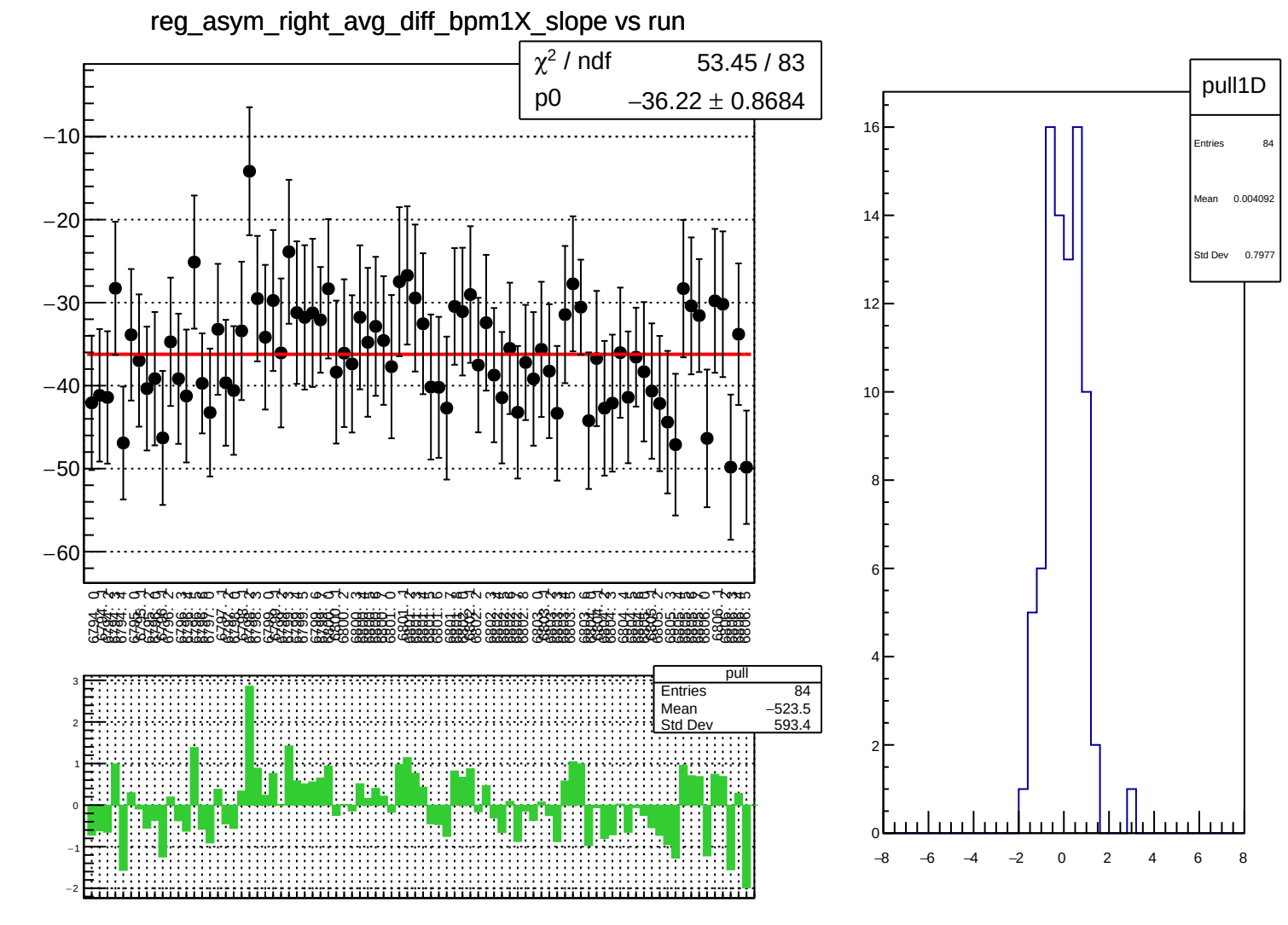

pull1D
Entries 84
Mean −0.006368
Std Dev 0.7026

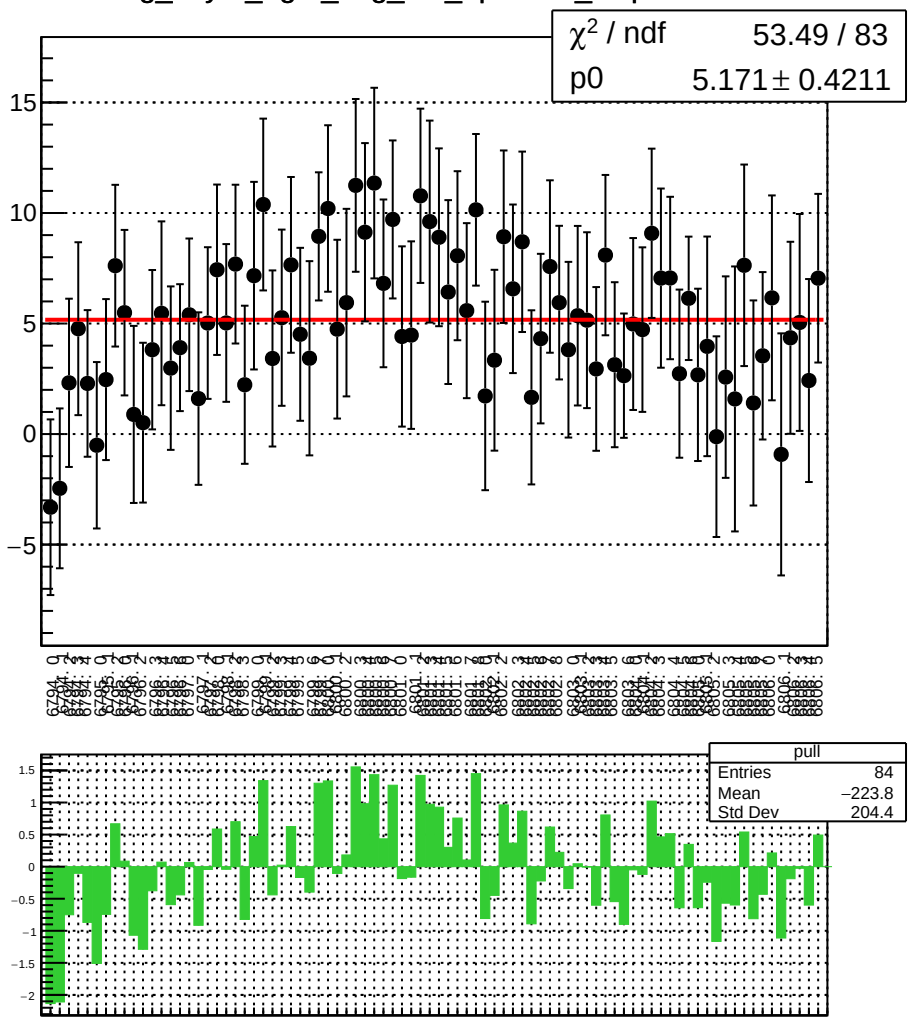

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 55.51 / 83
p0 3.922 ± 0.5992
pull
Entries 84
Mean 187.2
Std Dev 169.3

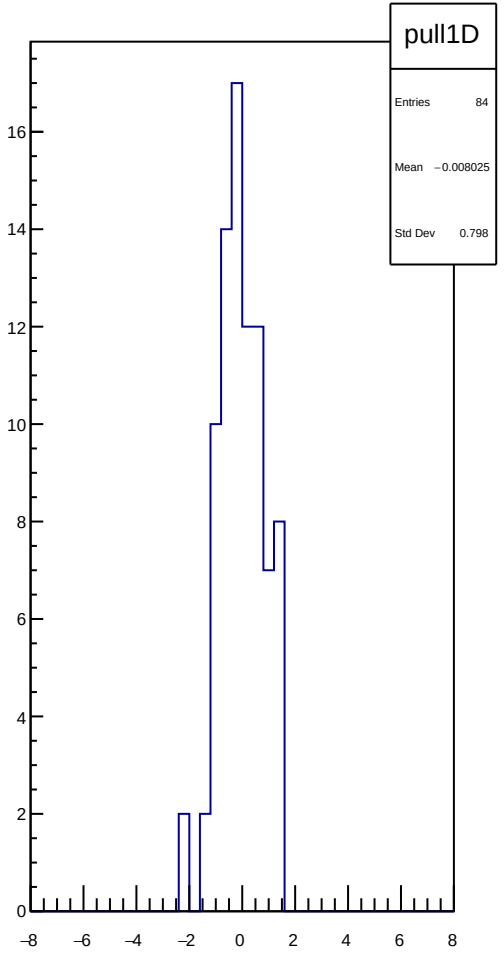

pull1D
Entries 84
Mean −0.02749
Std Dev 0.8125

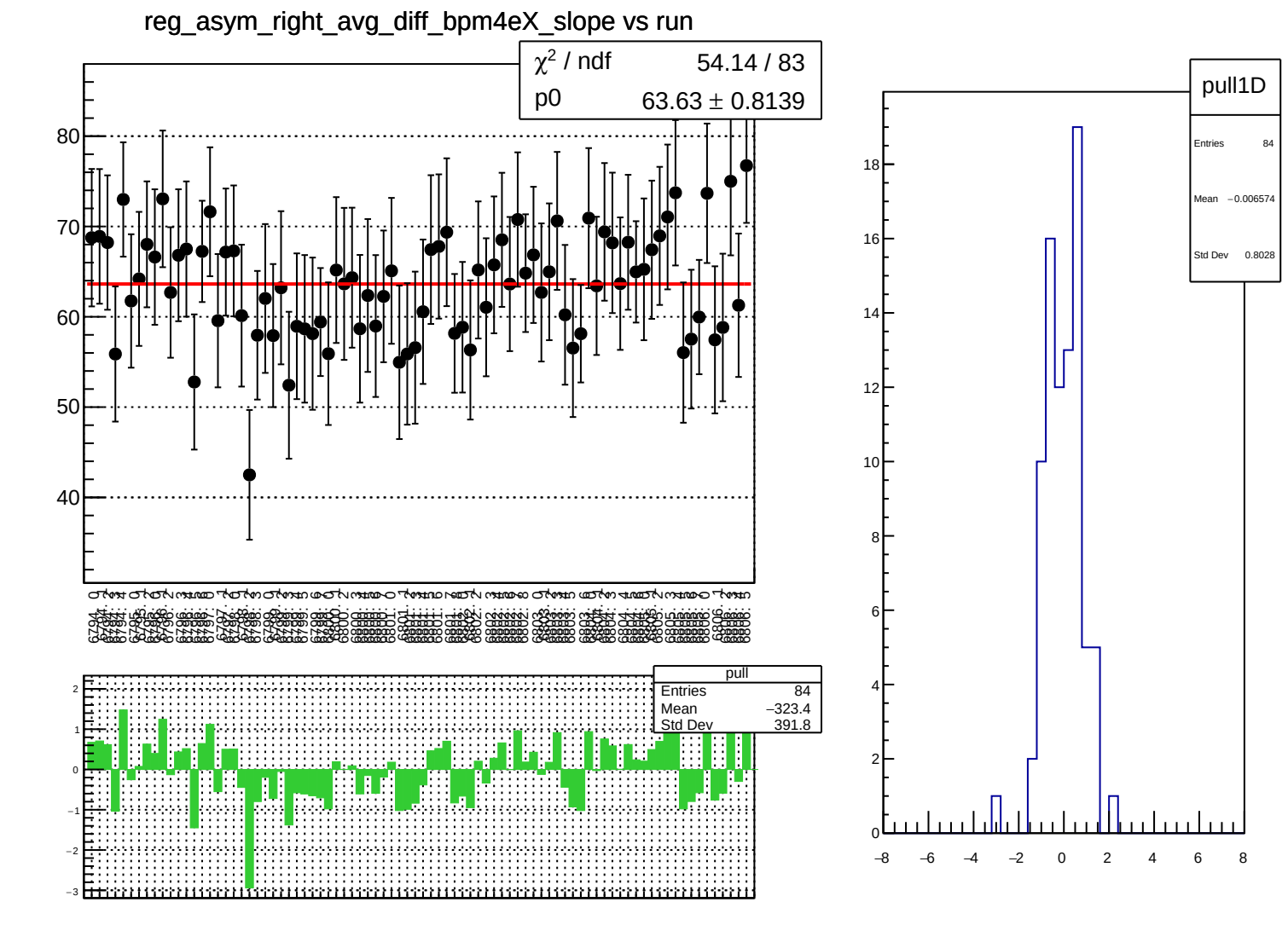

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 142.2 / 83
p0 −19.74 ± 0.03549
−18.5
−19
−19.5
−20
−20.5
−21
−21.5
−22
pull
Entries 84
Mean 1592
Std Dev 1533
2
0
−2
−4
−6

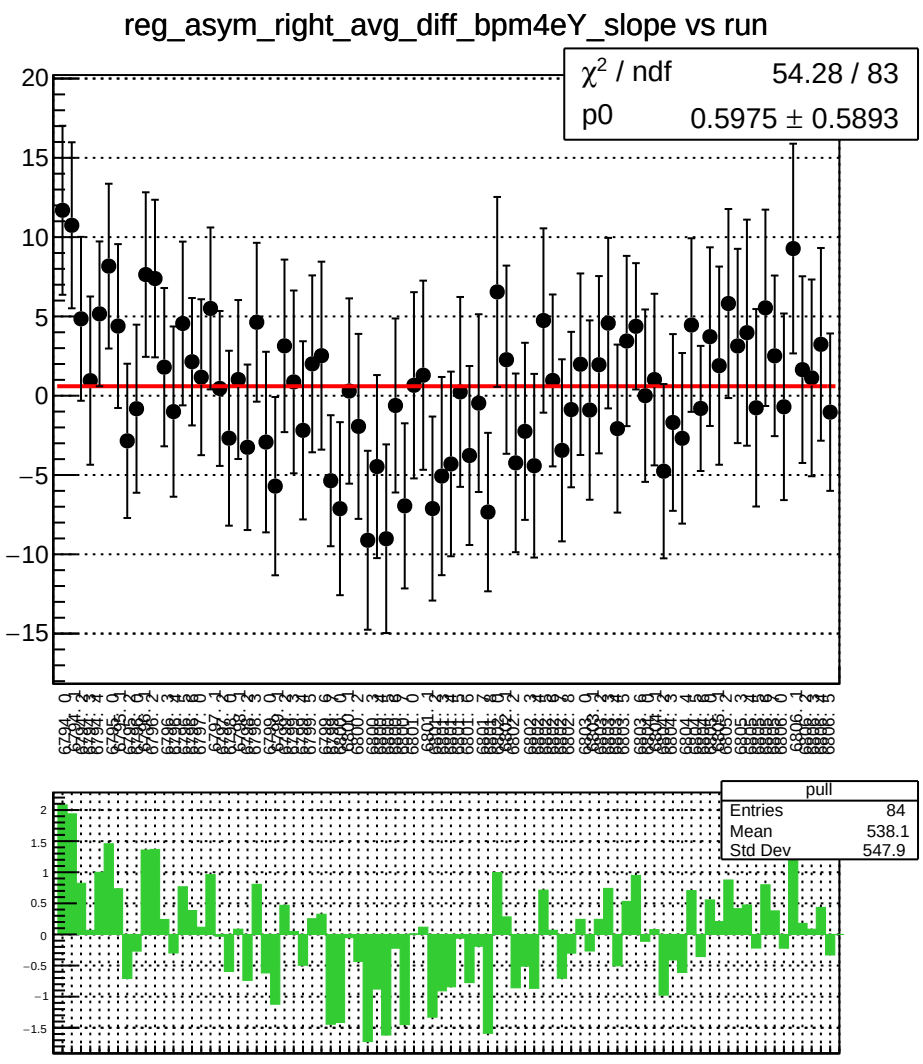

pull1D
Entries 84
Mean 0.003868
Std Dev 1.301
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

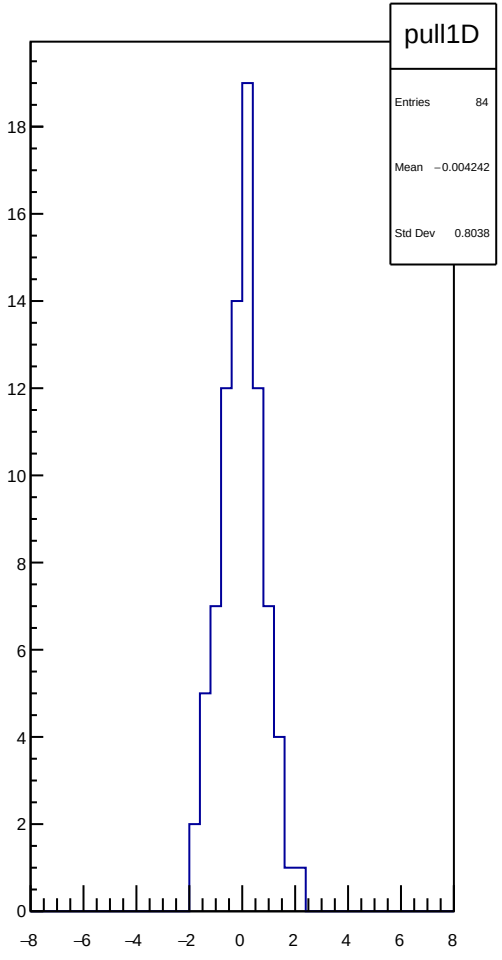

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 53.45 / 83
p0 −36.22 ± 0.8684
pull
Entries 84
Mean −523.5
Std Dev 593.4
pull1D
Entries 84
Mean 0.004092
Std Dev 0.7977

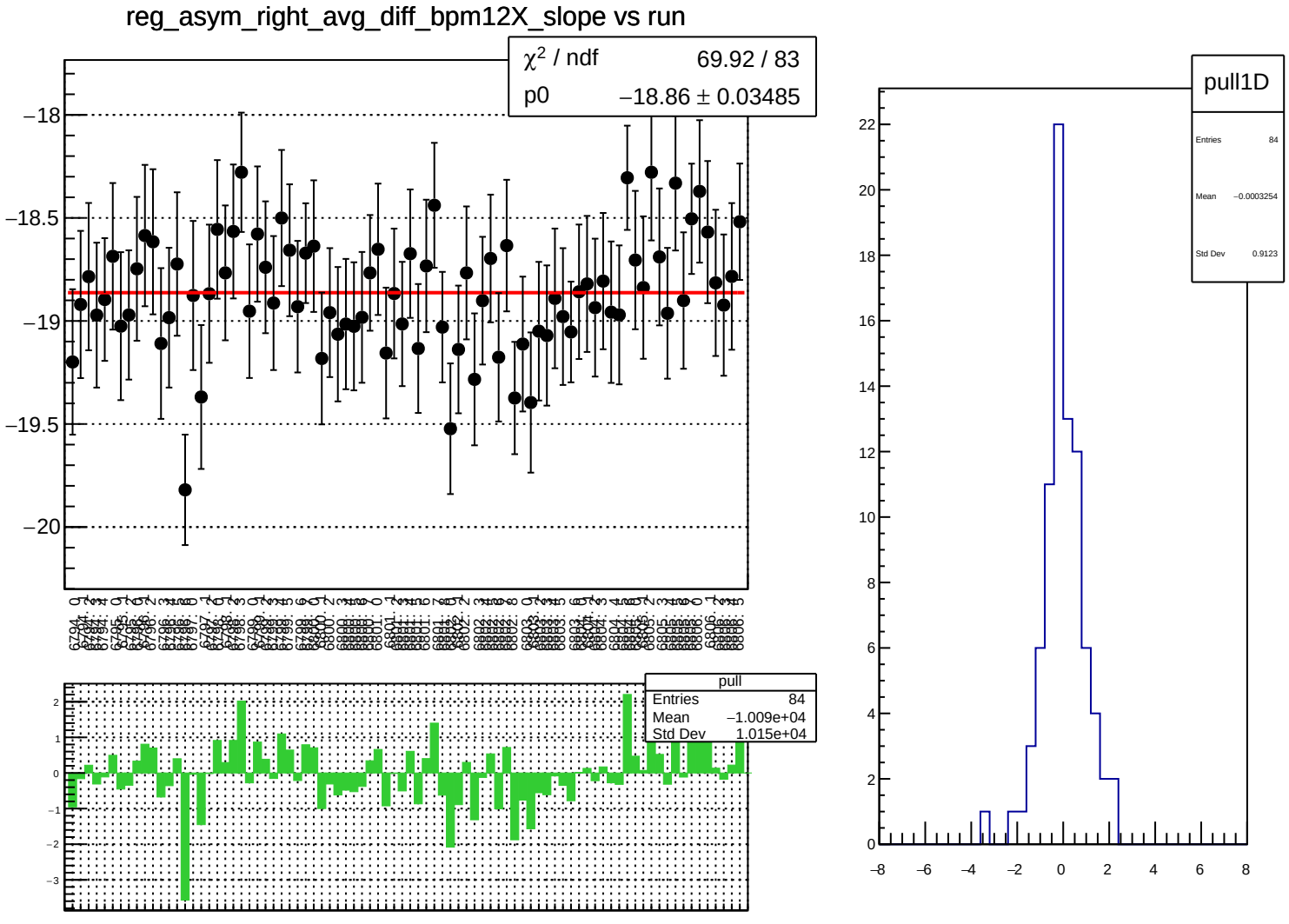

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 53.49 / 83
p0 5.171 ± 0.4211
pull
Entries 84
Mean −223.8
Std Dev 204.4

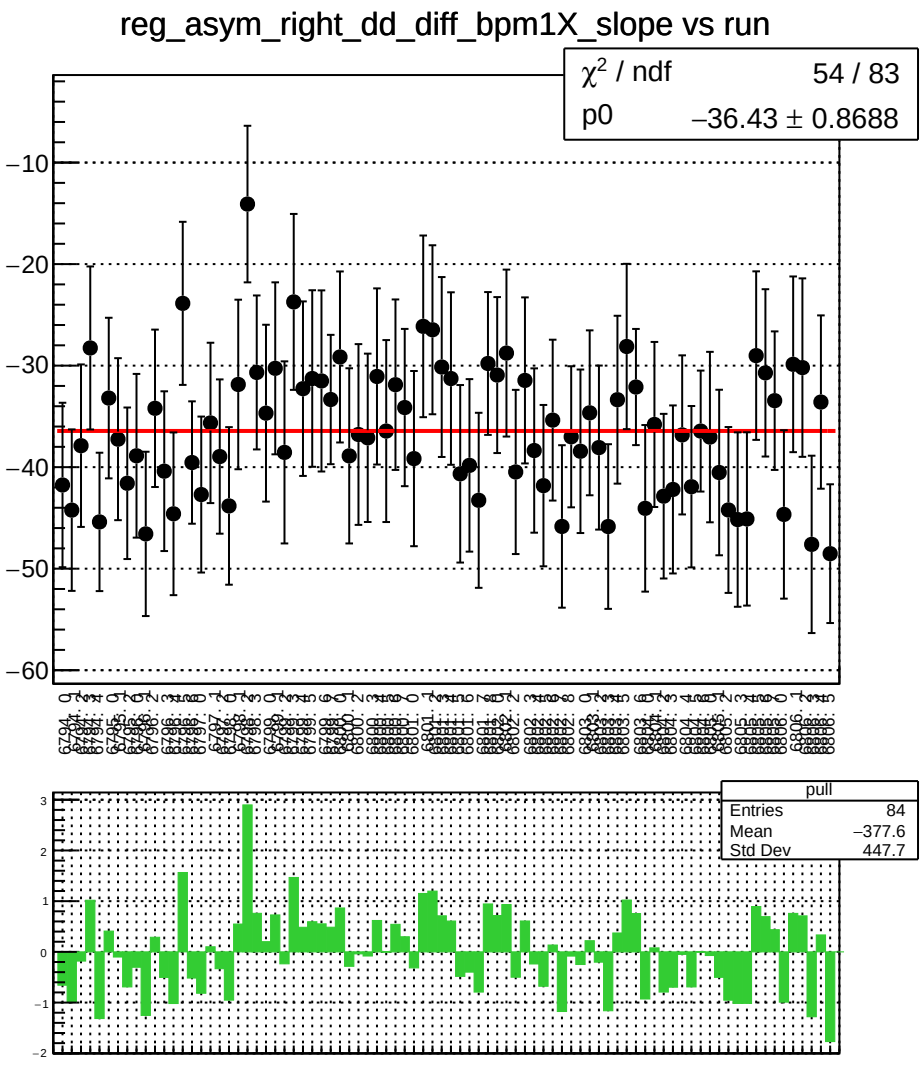

pull1D
Entries 84
Mean −0.008025
Std Dev 0.798

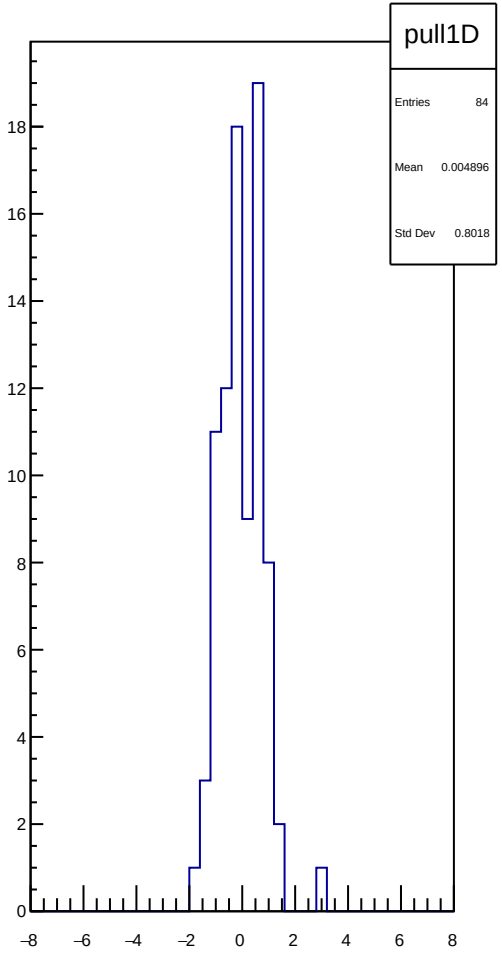

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 54.14 / 83
p0 63.63 ± 0.8139
pull
Entries 84
Mean −323.4
Std Dev 391.8
pull1D
Entries 84
Mean −0.006574
Std Dev 0.8028

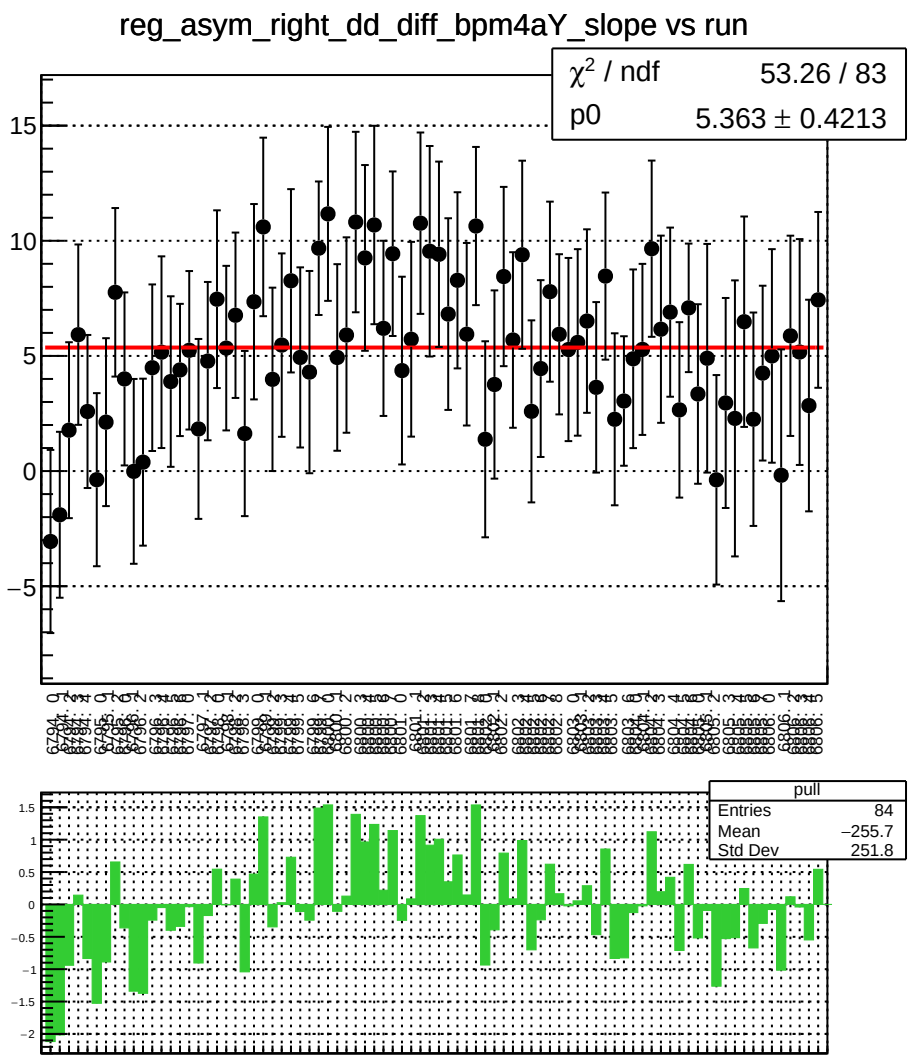

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 54.28 / 83
p0 0.5975 ± 0.5893
pull
Entries 84
Mean 538.1
Std Dev 547.9

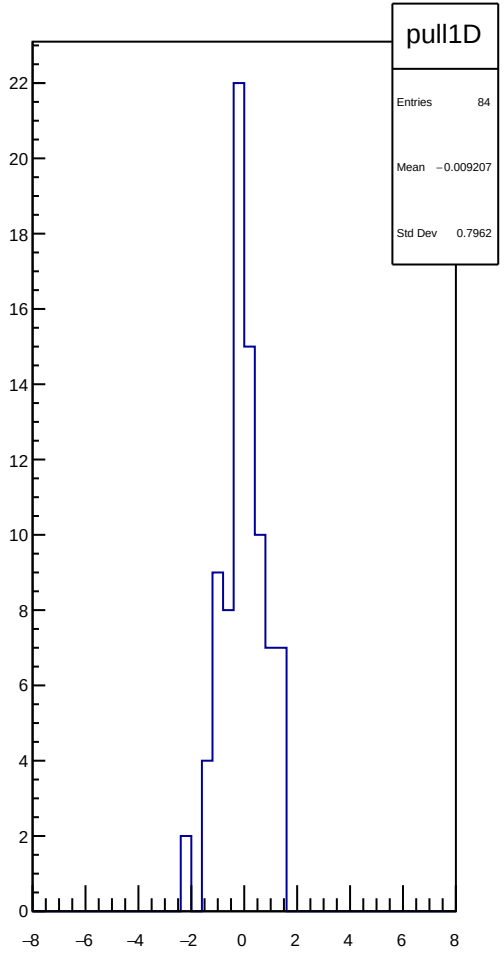

pull1D
Entries 84
Mean −0.004242
Std Dev 0.8038

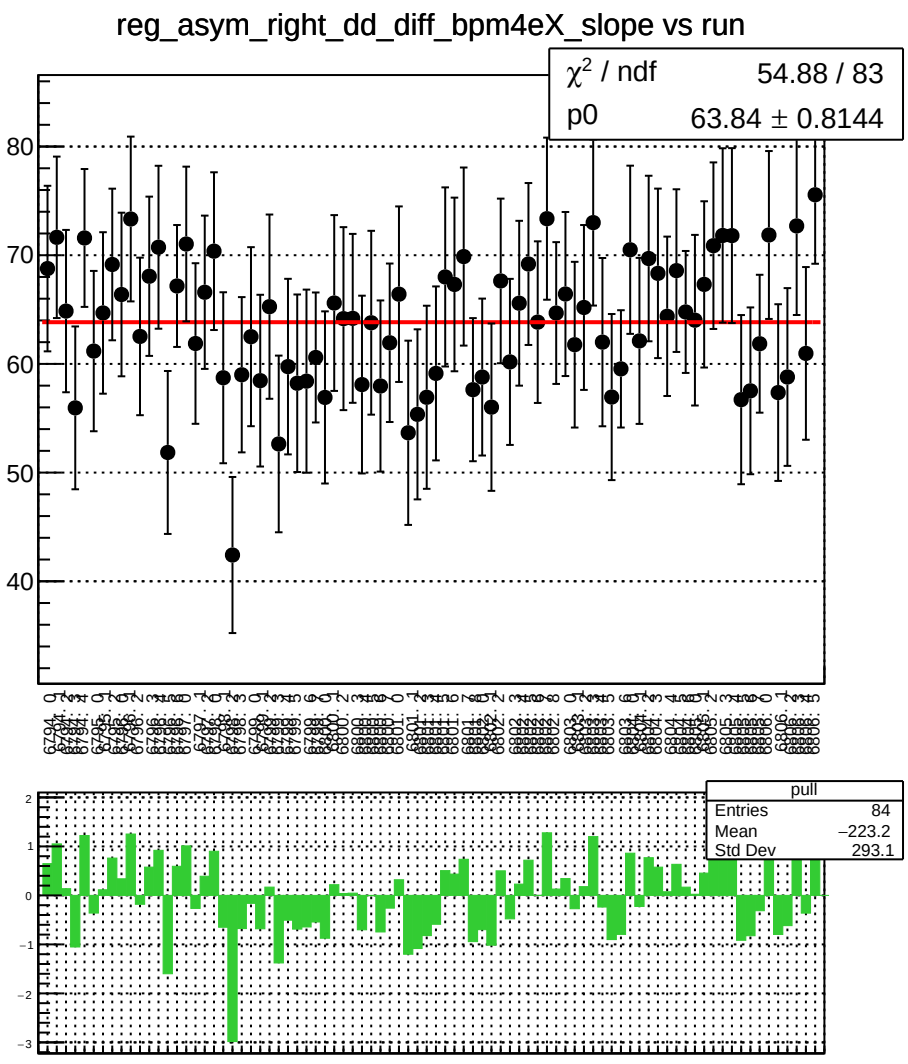

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 69.92 / 83
p0 −18.86 ± 0.03485
−18
−18.5
−19
−19.5
−20
pull
Entries 84
Mean −1.009e+04
Std Dev 1.015e+04
2
1
0
−1
−2
−3
pull1D
Entries 84
Mean −0.0003254
Std Dev 0.9123
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

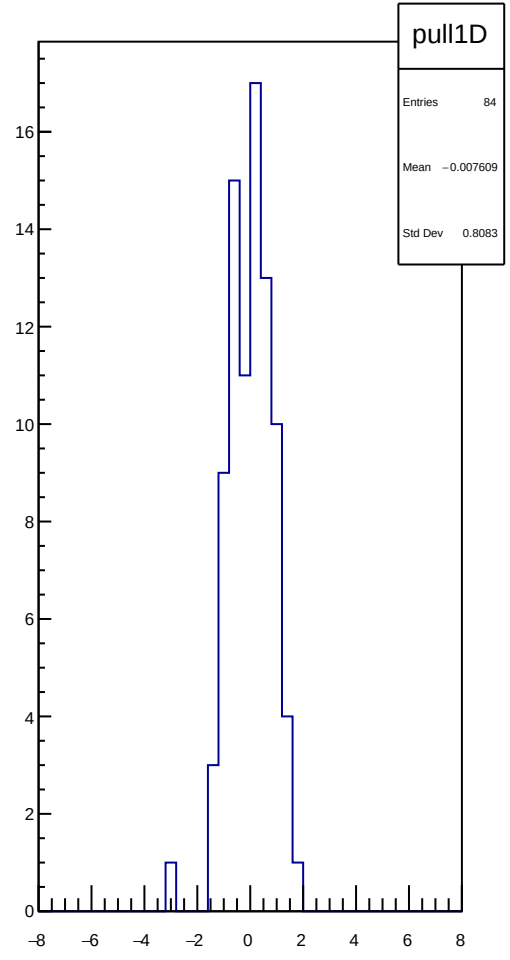

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 54 / 83
p0 −36.43 ± 0.8688
pull
Entries 84
Mean −377.6
Std Dev 447.7

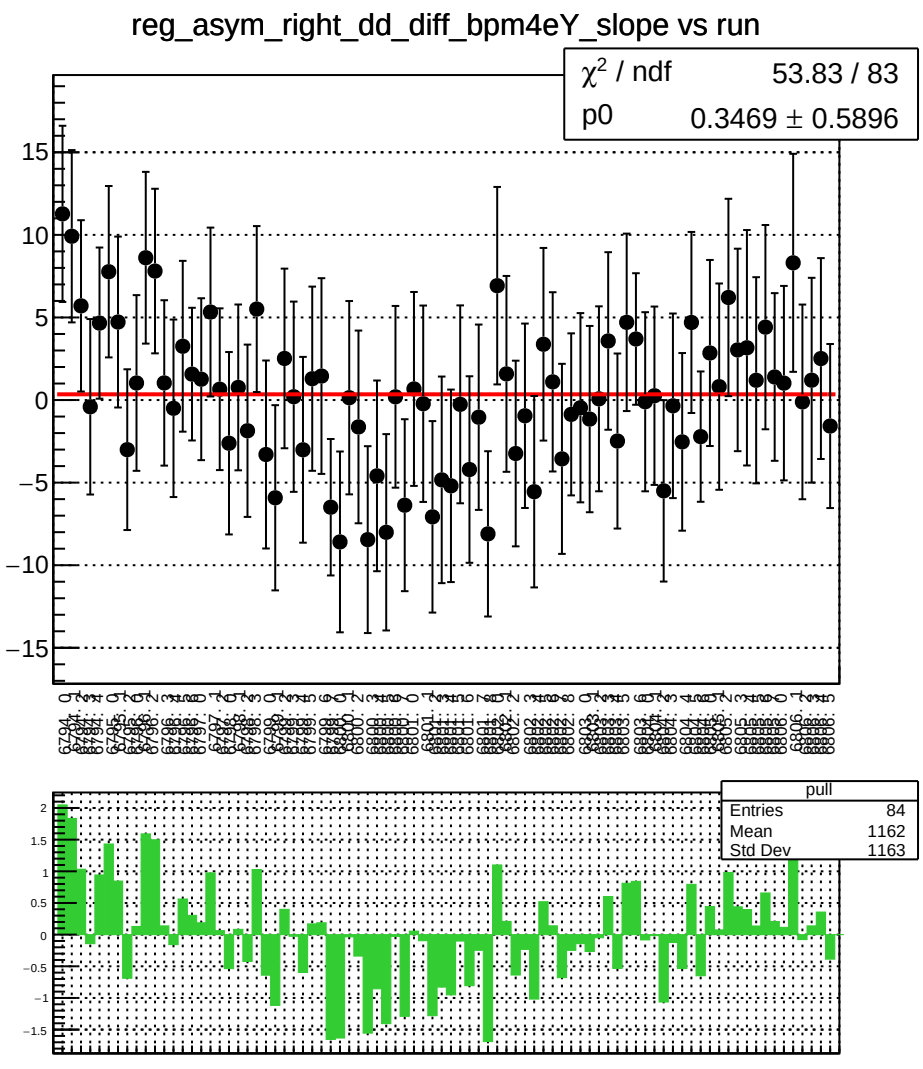

pull1D
Entries 84
Mean 0.004896
Std Dev 0.8018

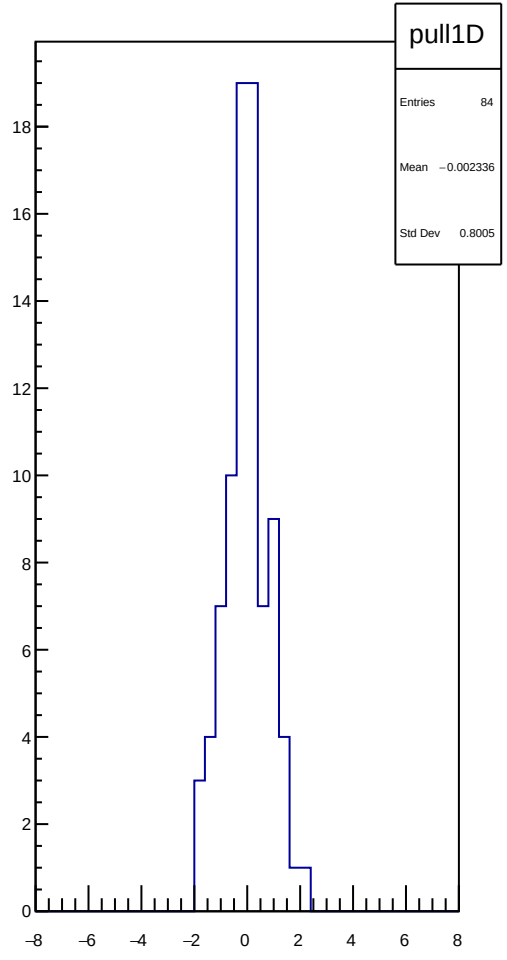

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 53.26 / 83
p0 5.363 ± 0.4213
pull
Entries 84
Mean −255.7
Std Dev 251.8

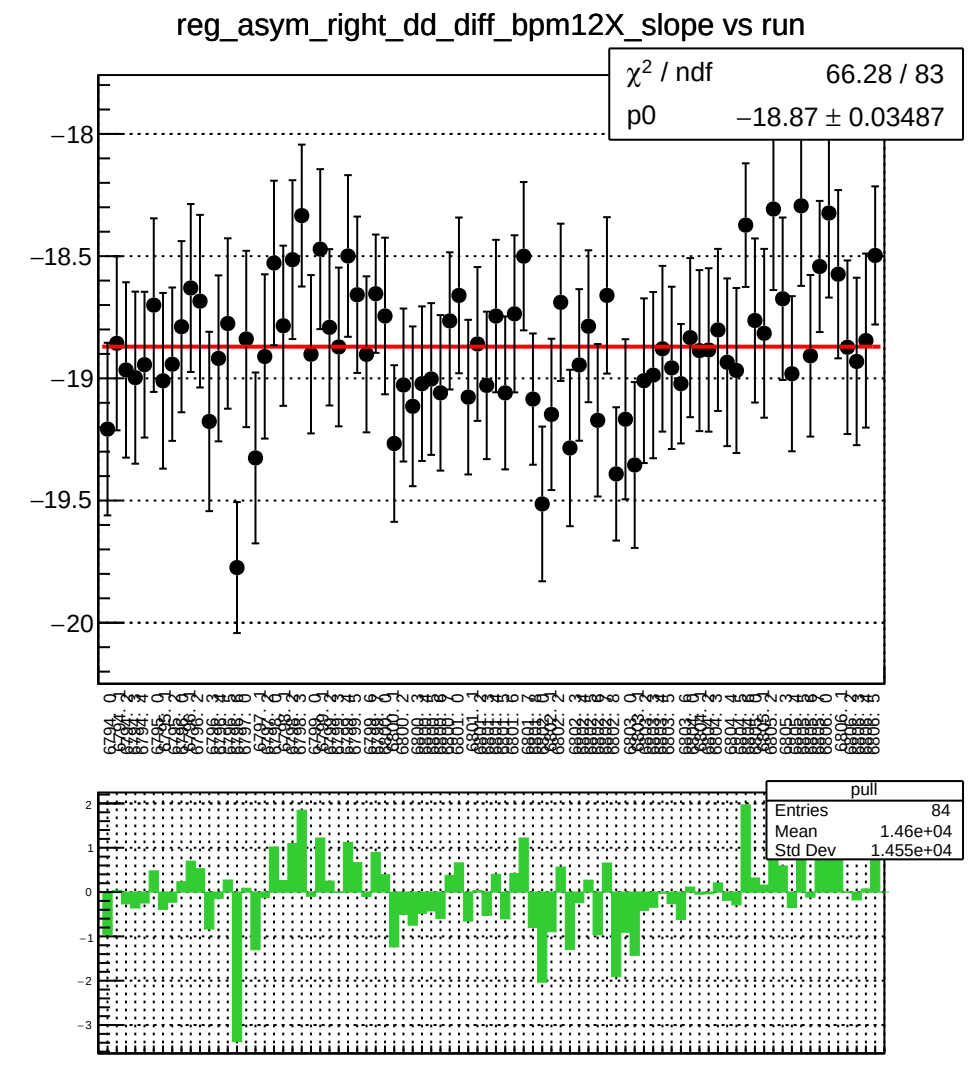

pull1D
Entries 84
Mean −0.009207
Std Dev 0.7962

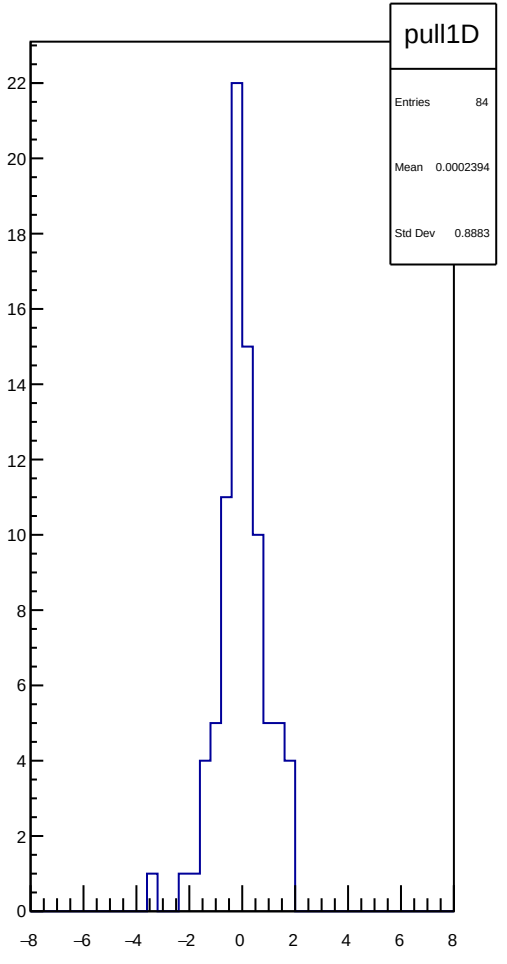

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 54.88 / 83
p0 63.84 ± 0.8144
pull
Entries 84
Mean −223.2
Std Dev 293.1

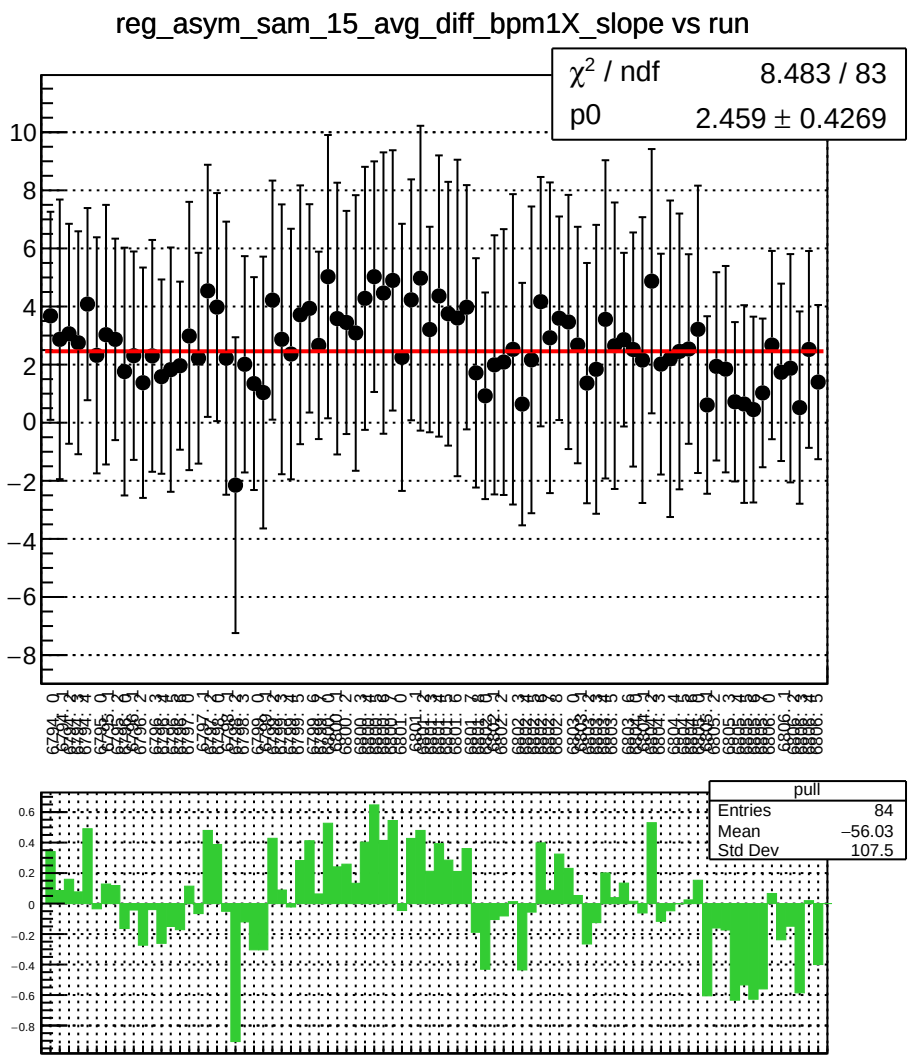

pull1D
Entries 84
Mean −0.007609
Std Dev 0.8083

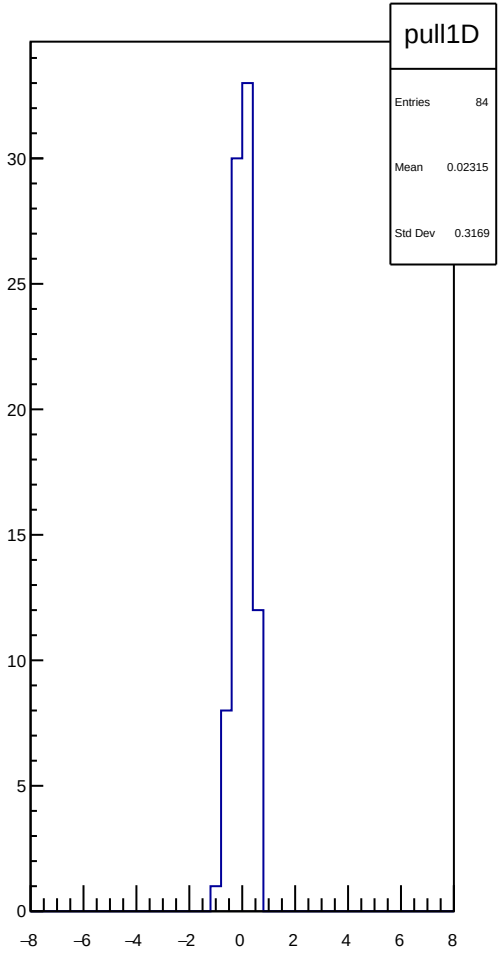

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 53.83 / 83
p0 0.3469 ± 0.5896
pull
Entries 84
Mean 1162
Std Dev 1163

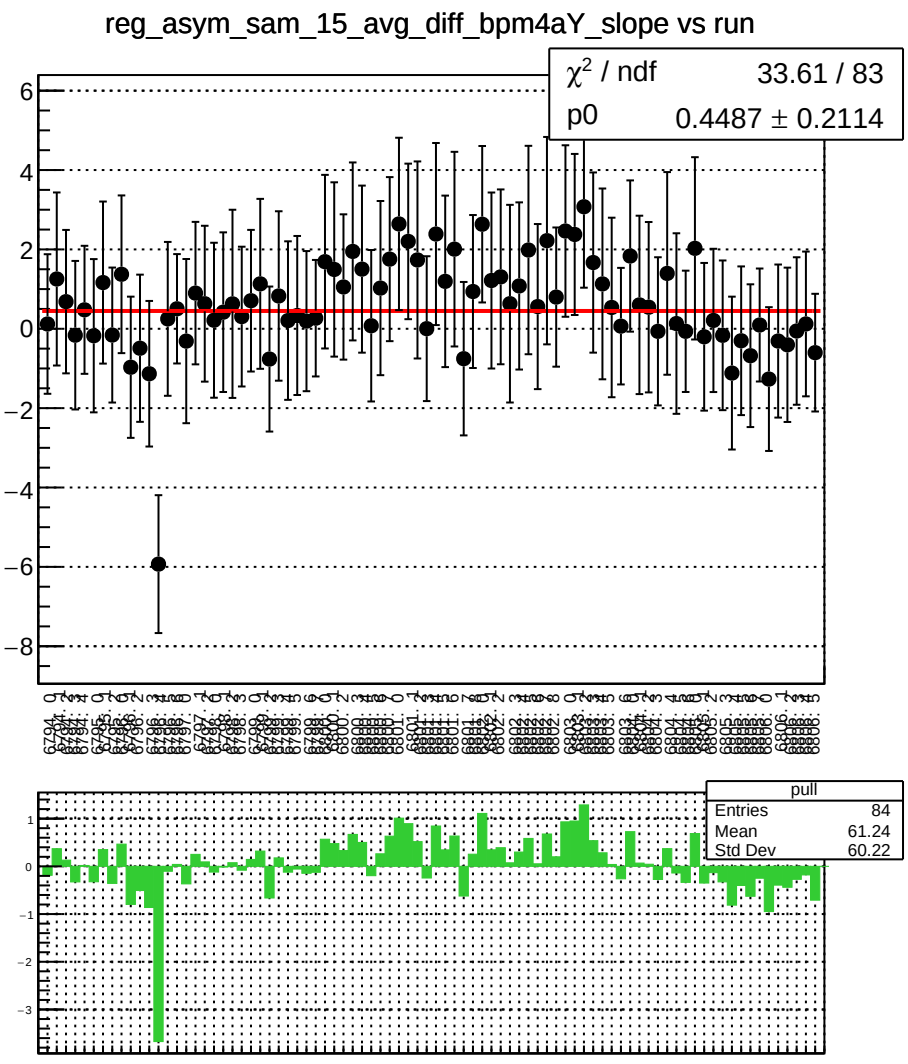

pull1D
Entries 84
Mean −0.002336
Std Dev 0.8005

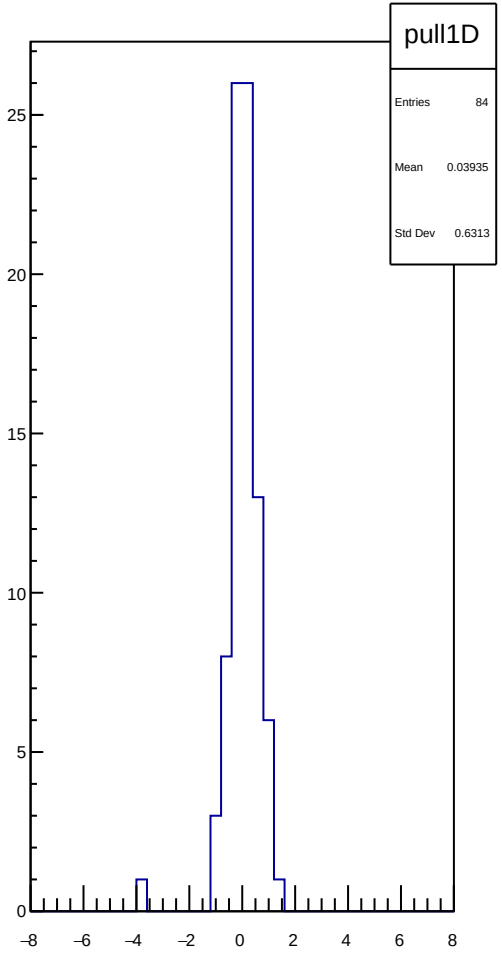

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 66.28 / 83
p0 −18.87 ± 0.03487
−18
−18.5
−19
−19.5
−20
pull
Entries 84
Mean 1.46e+04
Std Dev 1.455e+04

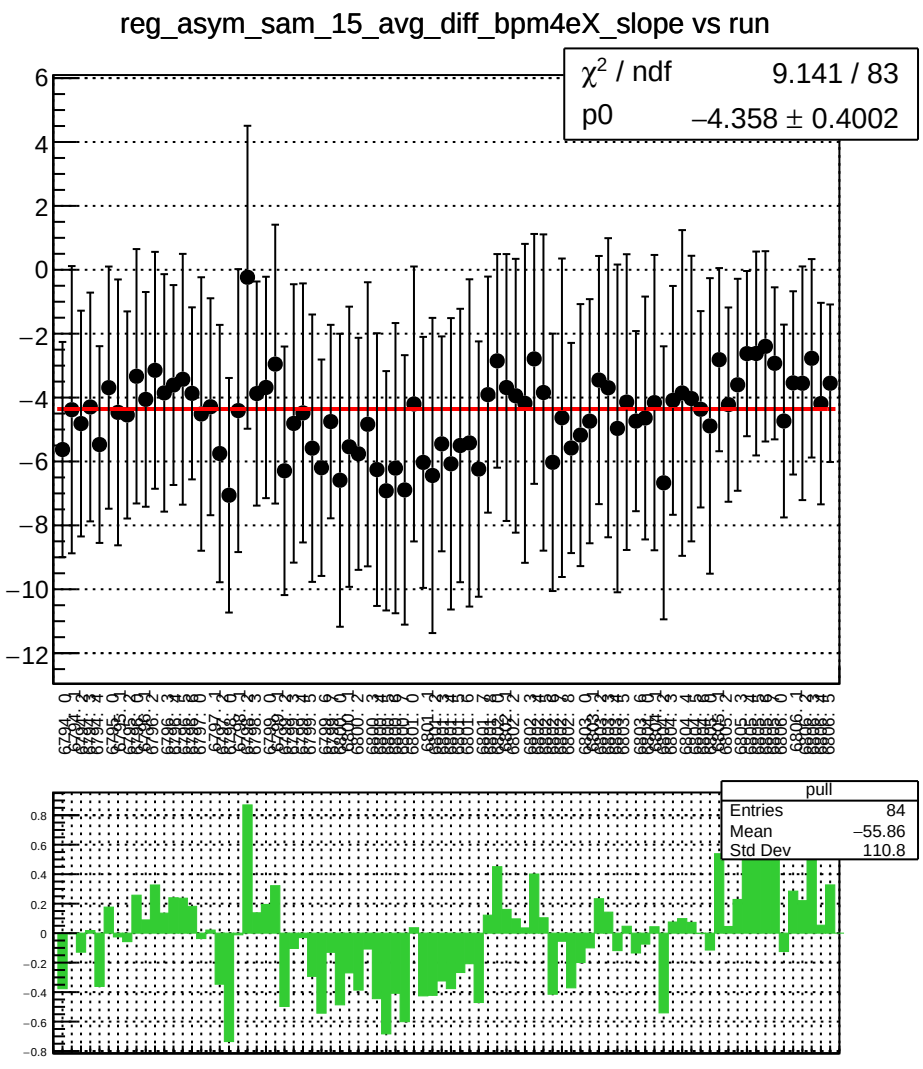

pull1D
Entries 84
Mean 0.0002394
Std Dev 0.8883

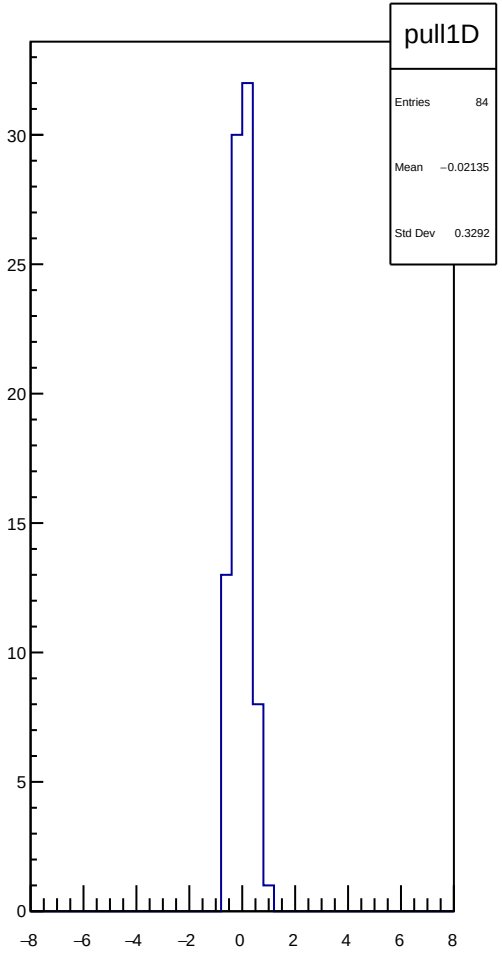

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 8.483 / 83
p0 2.459 ± 0.4269
pull
Entries 84
Mean −56.03
Std Dev 107.5

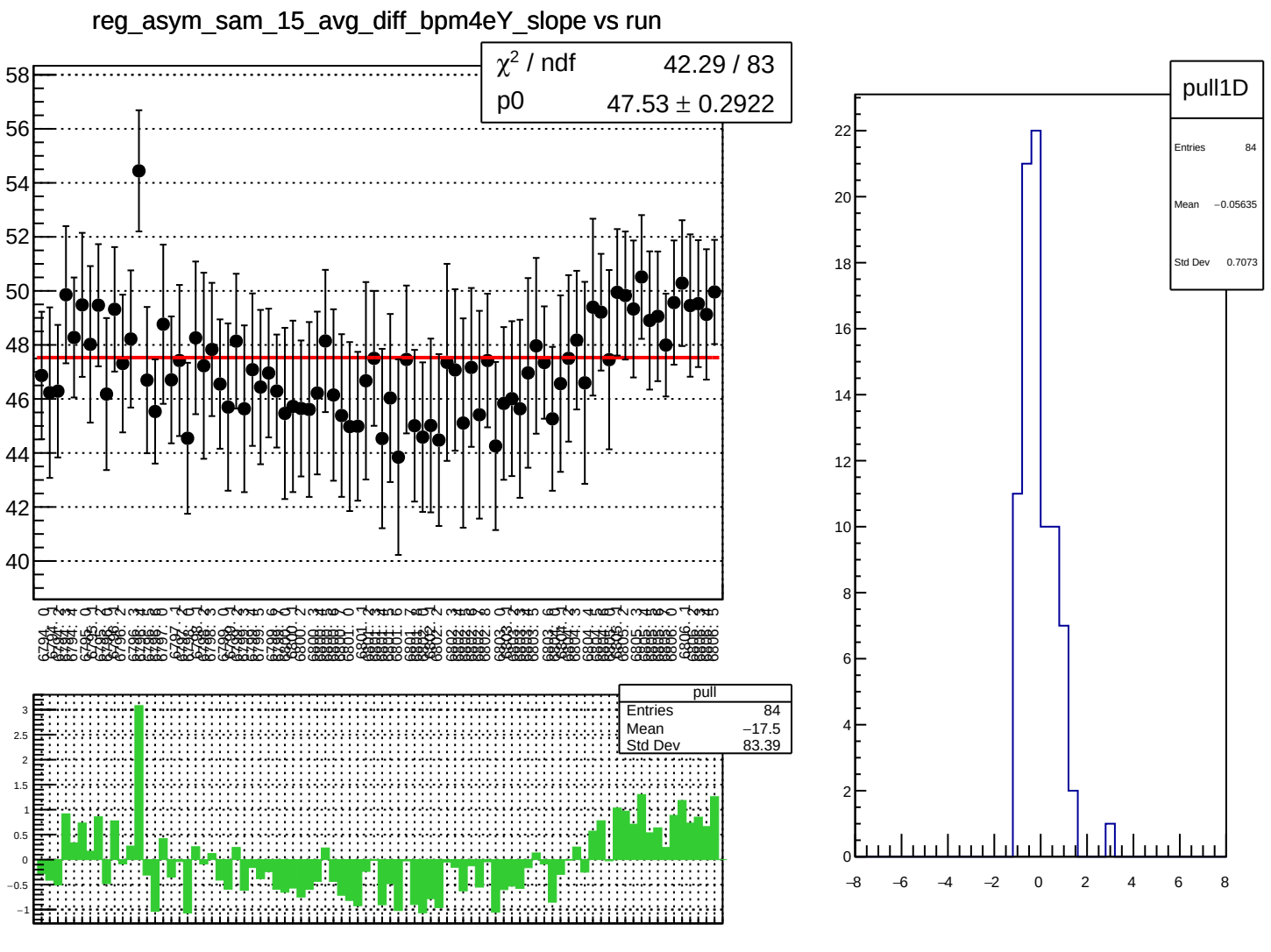

pull1D
Entries 84
Mean 0.02315
Std Dev 0.3169

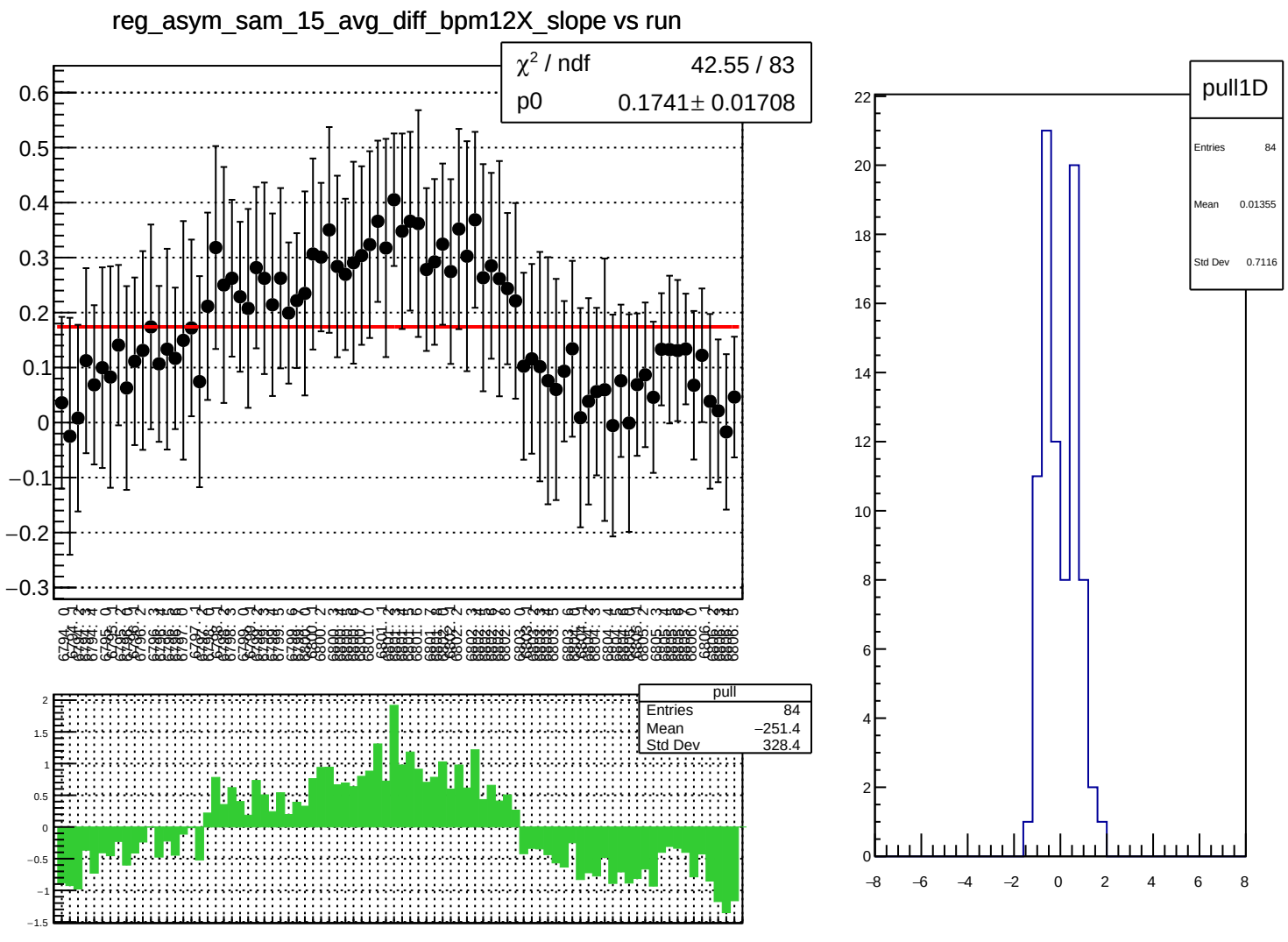

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 33.61 / 83
p0 0.4487 ± 0.2114
pull
Entries 84
Mean 61.24
Std Dev 60.22

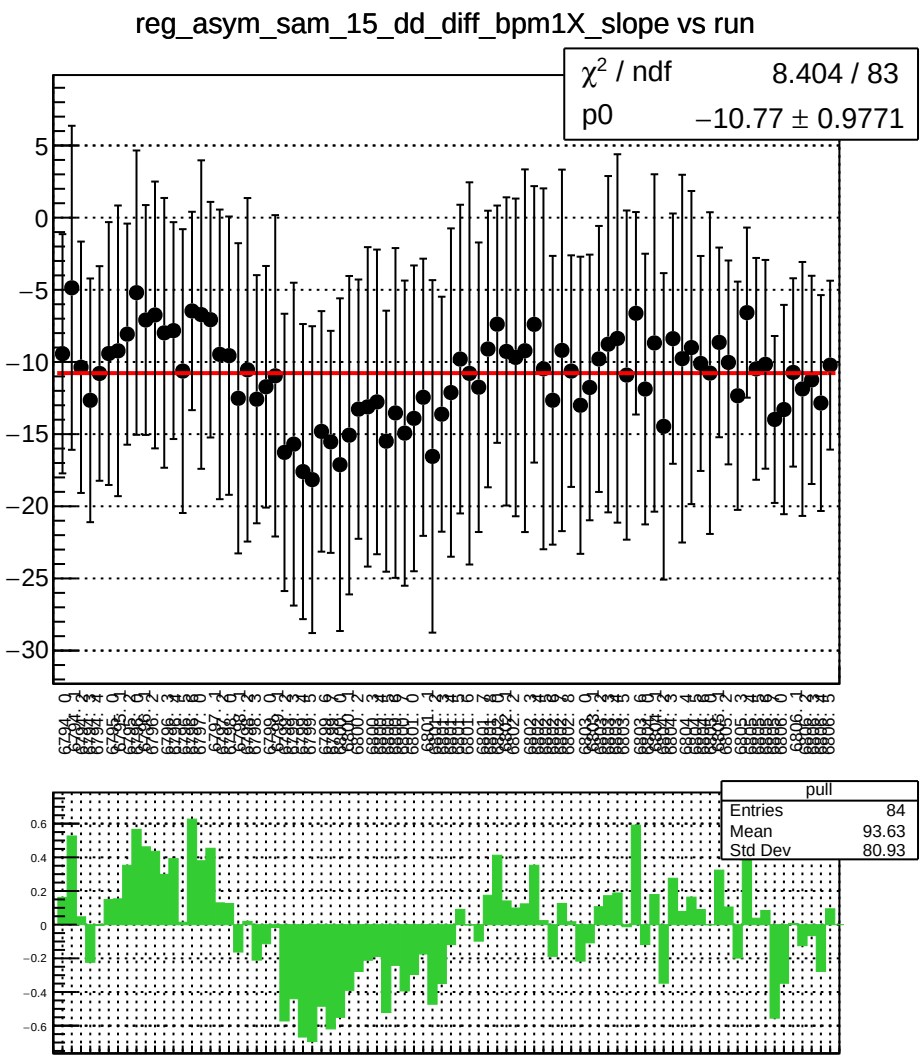

pull1D
Entries 84
Mean 0.03935
Std Dev 0.6313

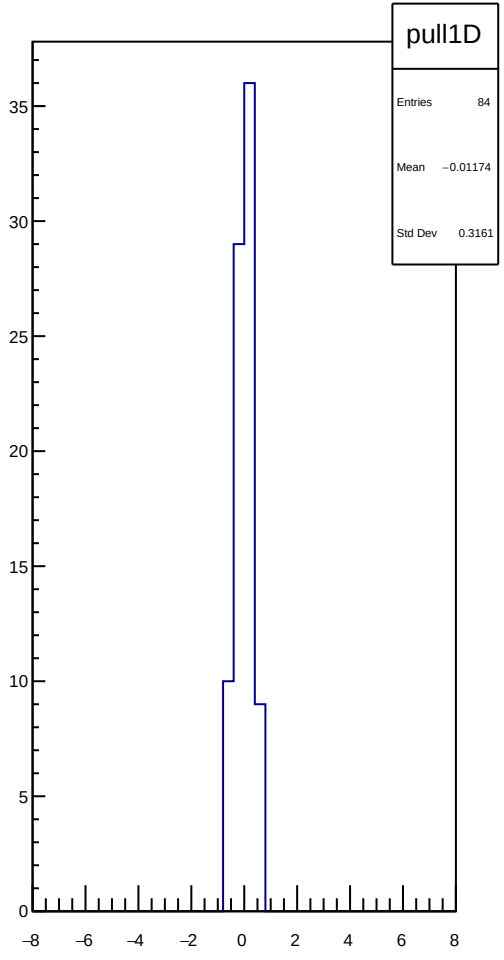

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 9.141 / 83
p0 −4.358 ± 0.4002
pull
Entries 84
Mean −55.86
Std Dev 110.8

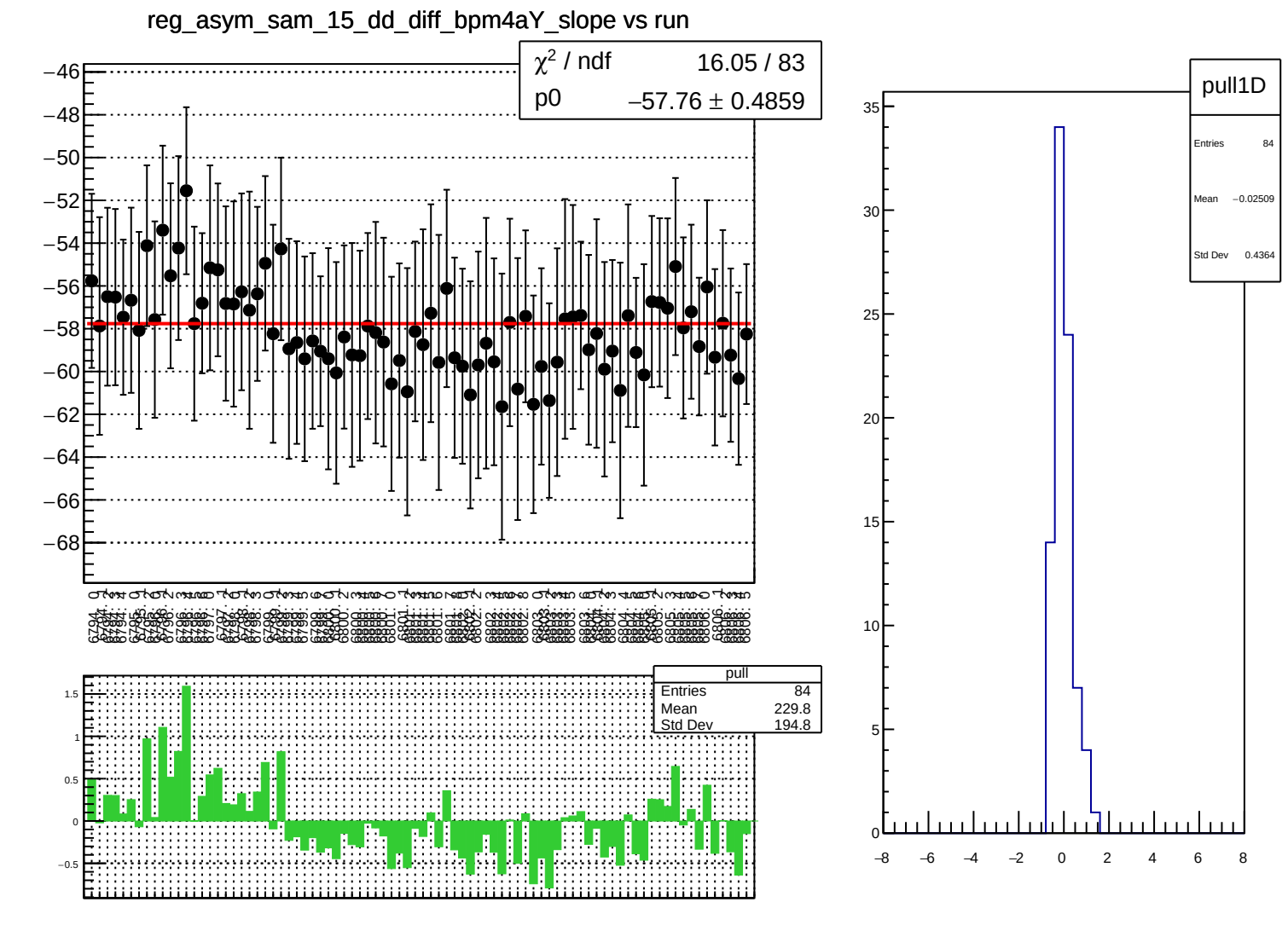

pull1D
Entries 84
Mean −0.02135
Std Dev 0.3292

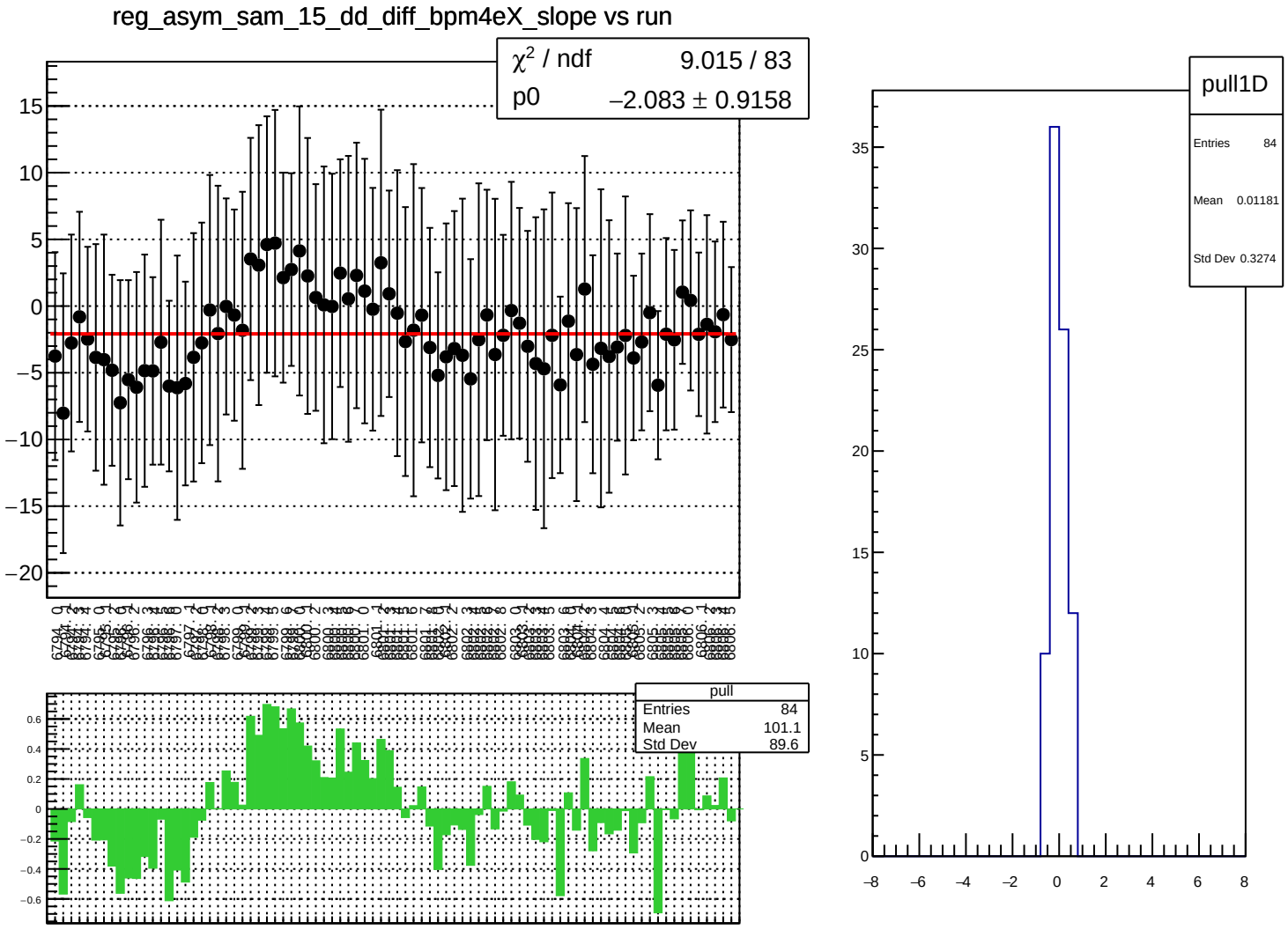

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 42.29 / 83
p0 47.53 ± 0.2922
pull
Entries 84
Mean −17.5
Std Dev 83.39
pull1D
Entries 84
Mean −0.05635
Std Dev 0.7073

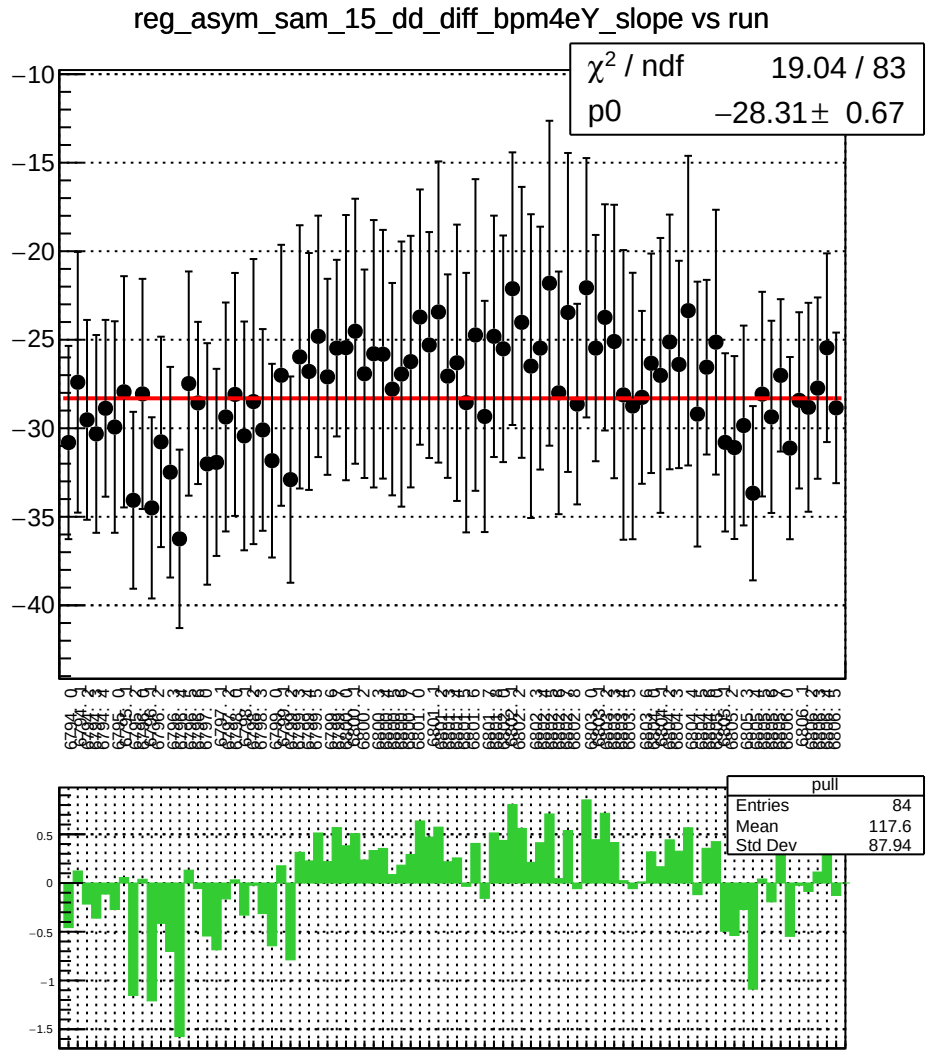

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 42.55 / 83
p0 0.1741± 0.01708
pull
Entries 84
Mean −251.4
Std Dev 328.4
pull1D
Entries 84
Mean 0.01355
Std Dev 0.7116

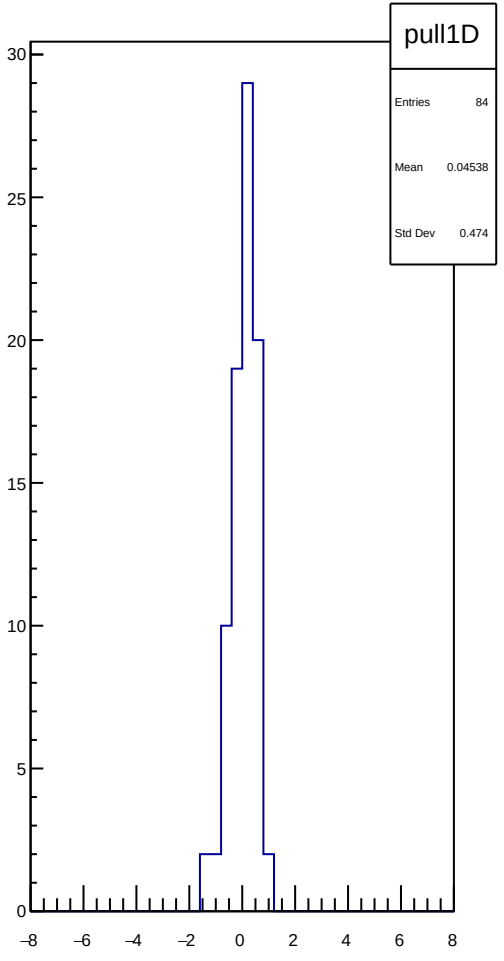

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 8.404 / 83
p0 −10.77 ± 0.9771
pull
Entries 84
Mean 93.63
Std Dev 80.93

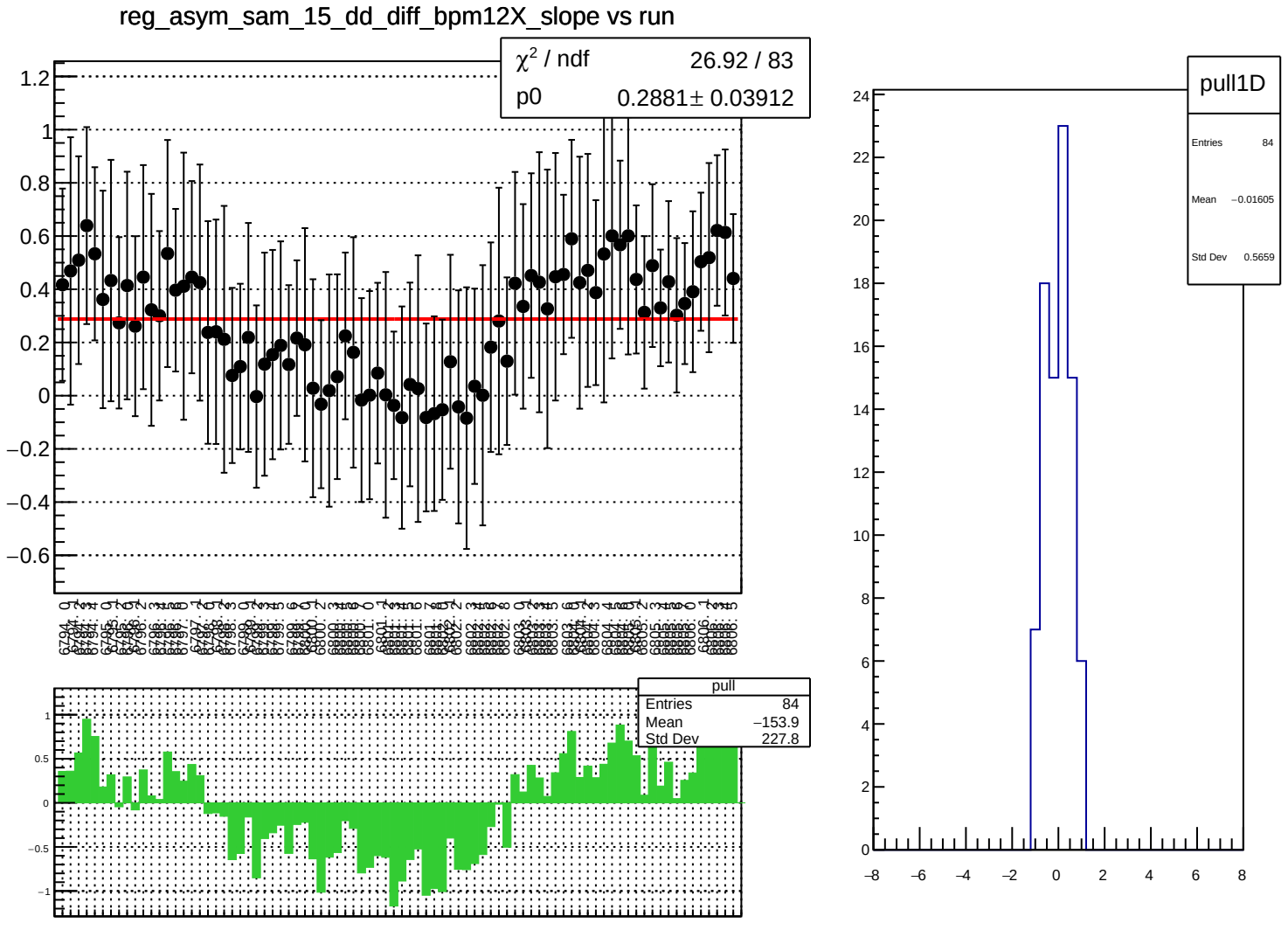

pull1D
Entries 84
Mean −0.01174
Std Dev 0.3161

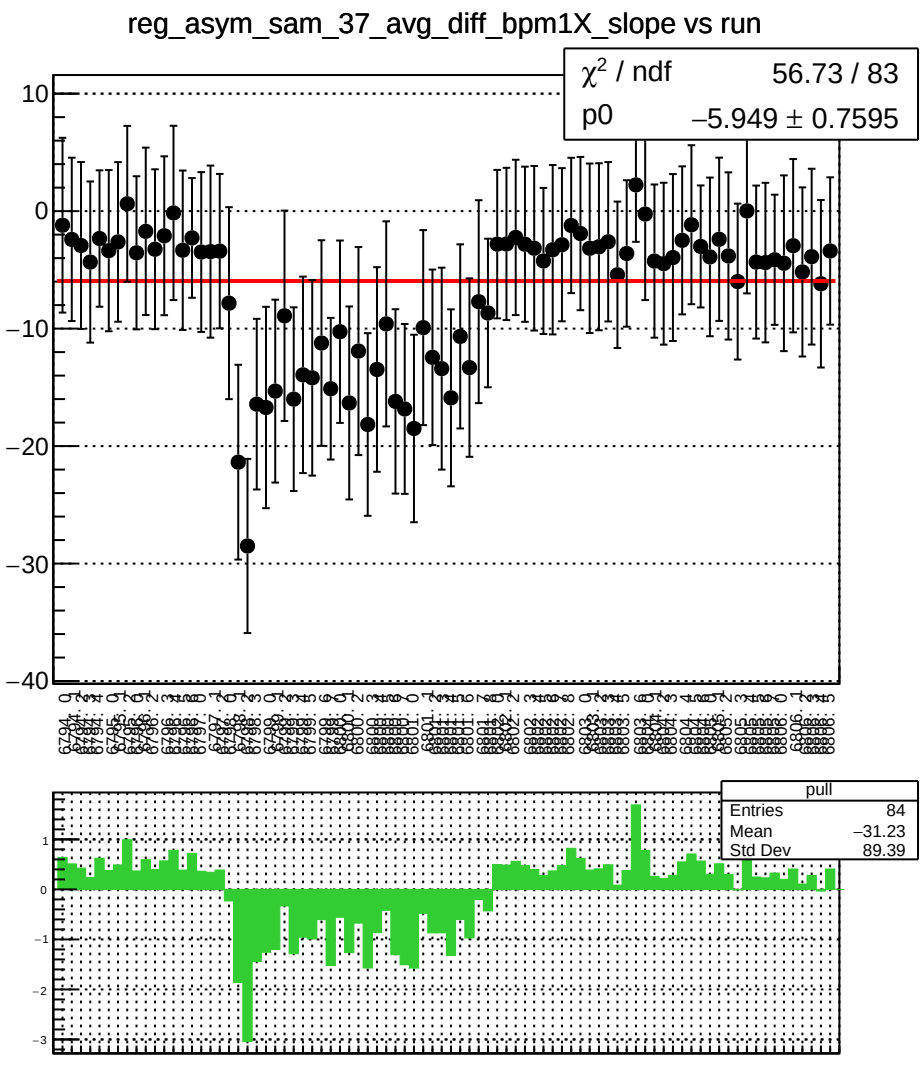

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 16.05 / 83
p0 −57.76 ± 0.4859
pull
Entries 84
Mean 229.8
Std Dev 194.8
pull1D
Entries 84
Mean −0.02509
Std Dev 0.4364

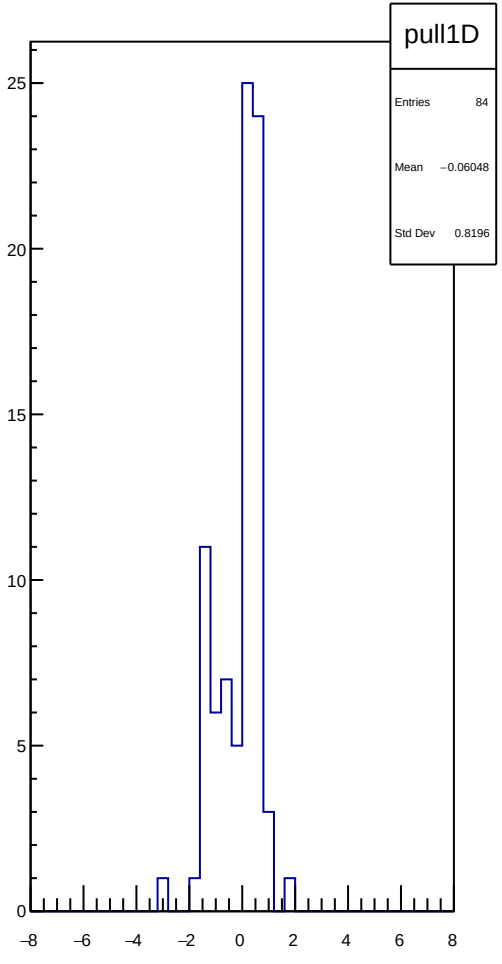

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 9.015 / 83
p0 −2.083 ± 0.9158
pull
Entries 84
Mean 101.1
Std Dev 89.6
pull1D
Entries 84
Mean 0.01181
Std Dev 0.3274

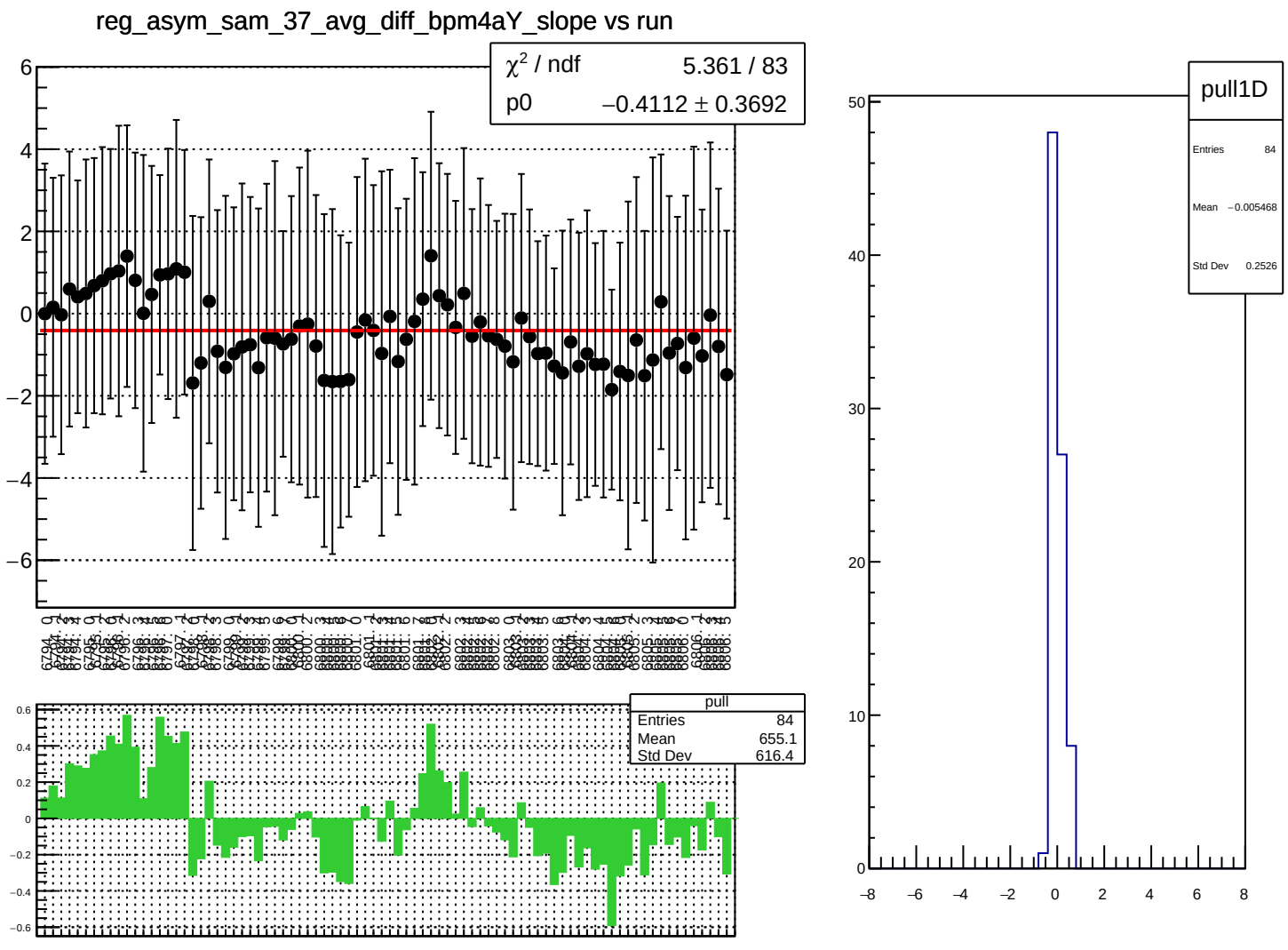

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 19.04 / 83
p0 −28.31± 0.67
pull
Entries 84
Mean 117.6
Std Dev 87.94

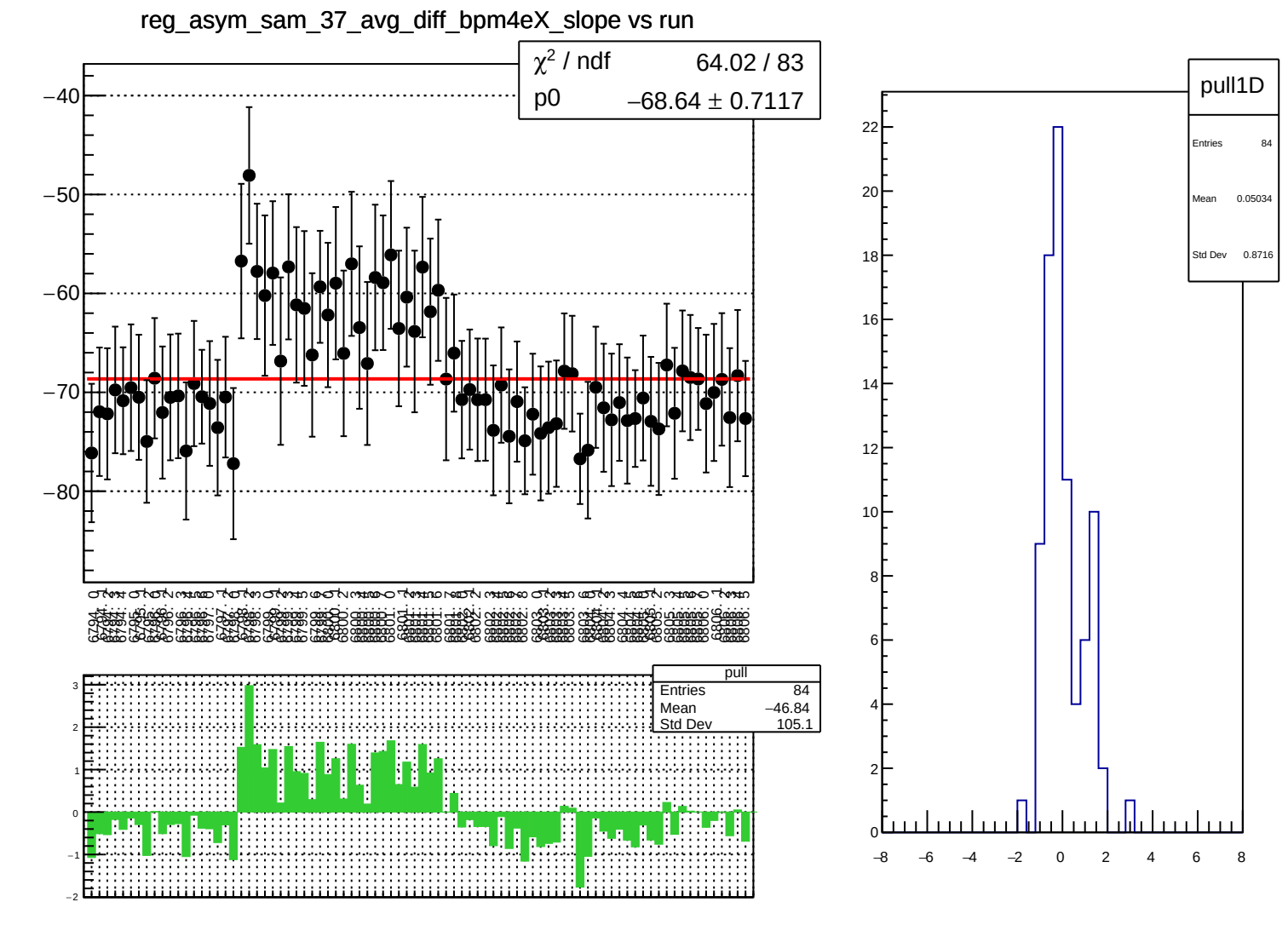

pull1D
Entries 84
Mean 0.04538
Std Dev 0.474

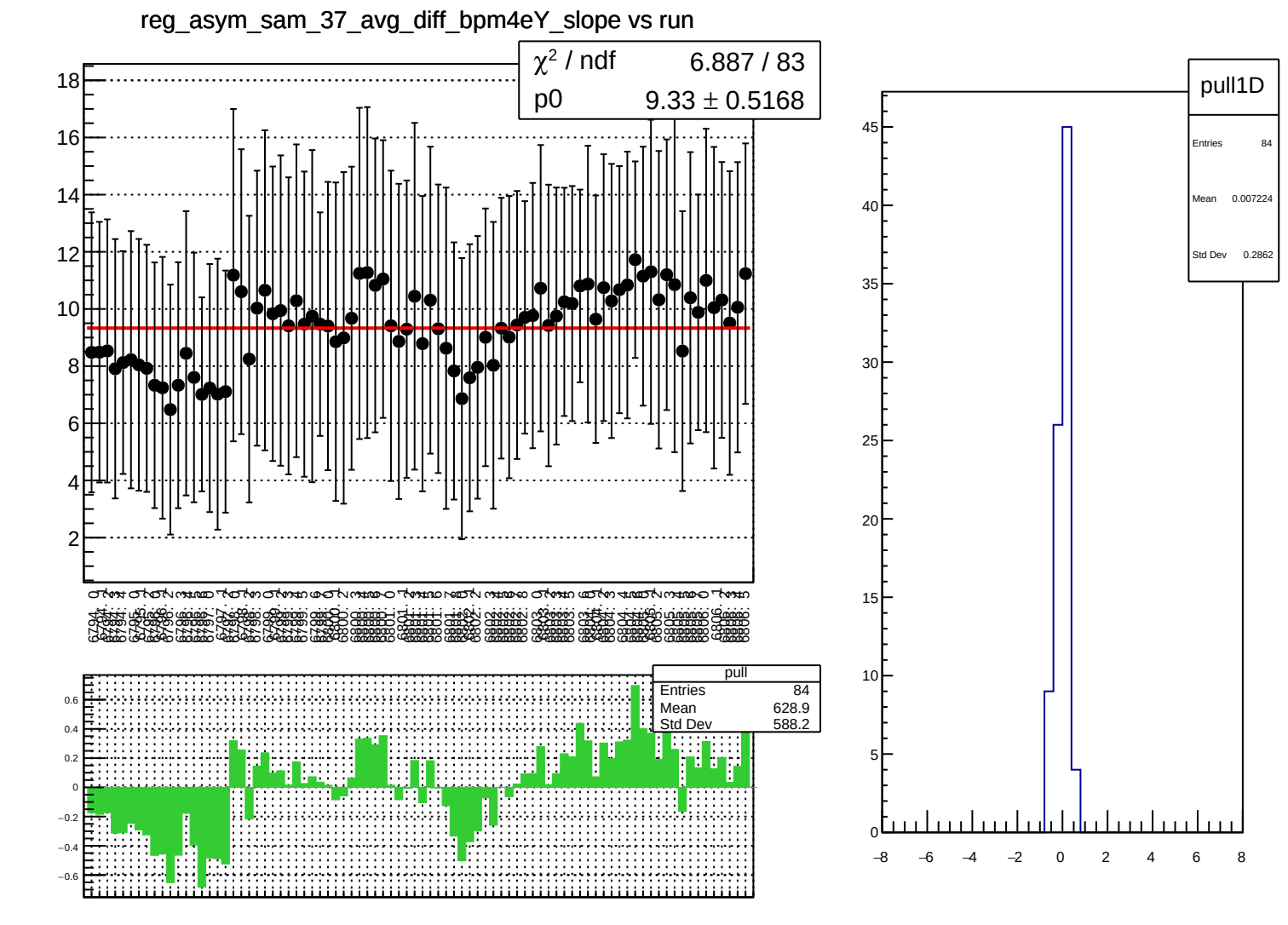

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 26.92 / 83
p0 0.2881± 0.03912
pull
Entries 84
Mean −153.9
Std Dev 227.8
pull1D
Entries 84
Mean −0.01605
Std Dev 0.5659

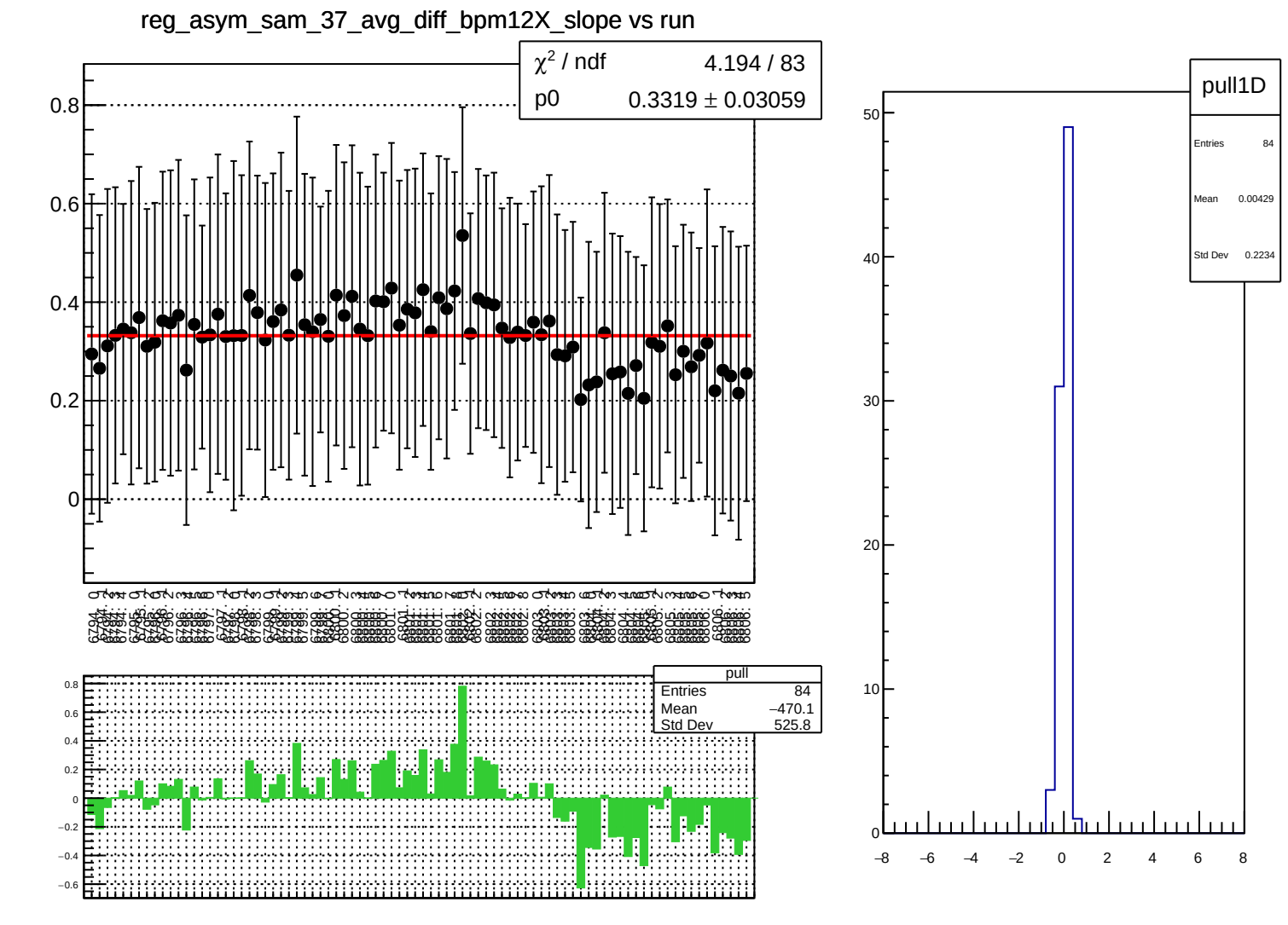

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 56.73 / 83
p0 −5.949 ± 0.7595
pull
Entries 84
Mean −31.23
Std Dev 89.39

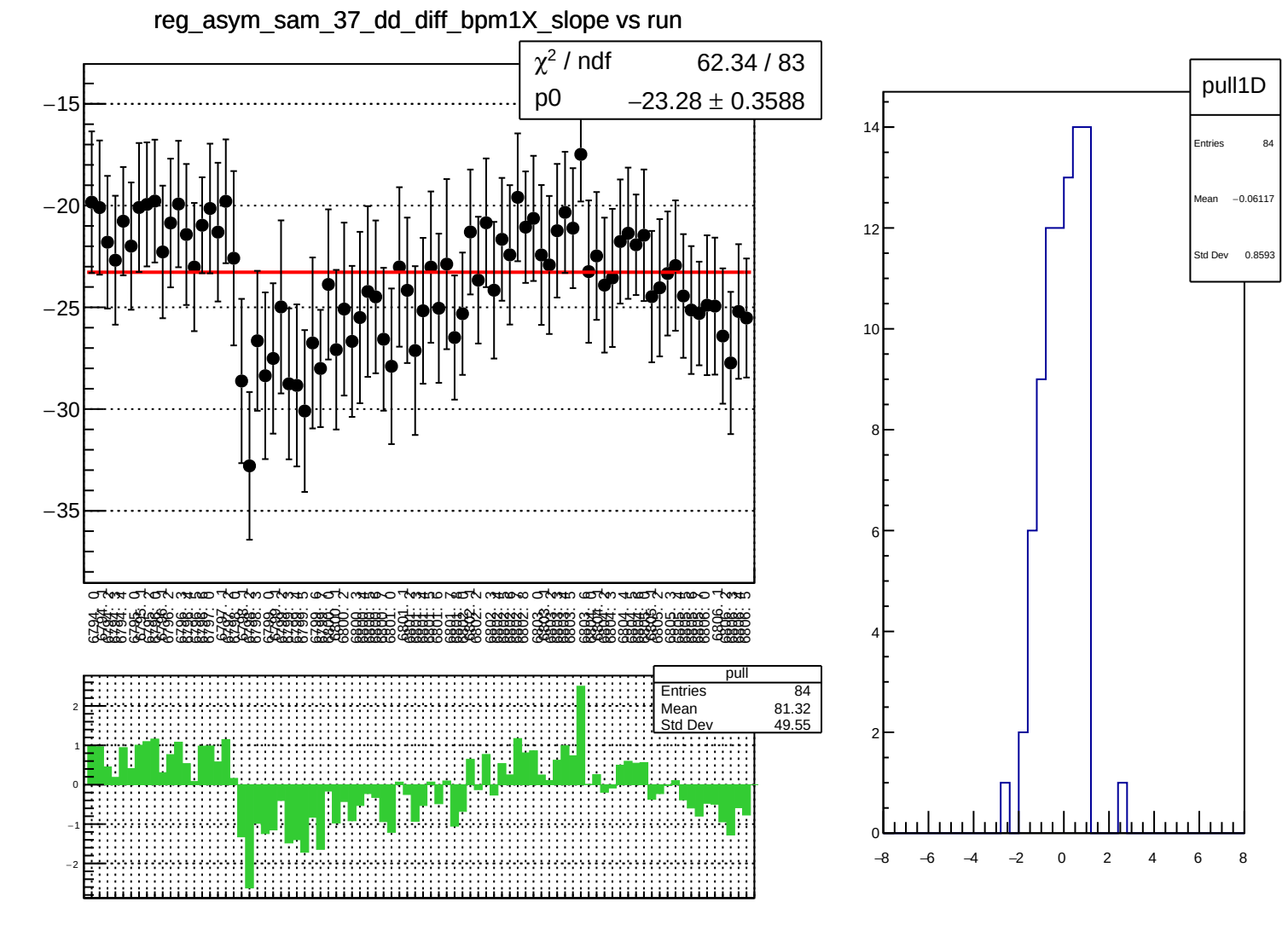

pull1D
Entries 84
Mean −0.06048
Std Dev 0.8196

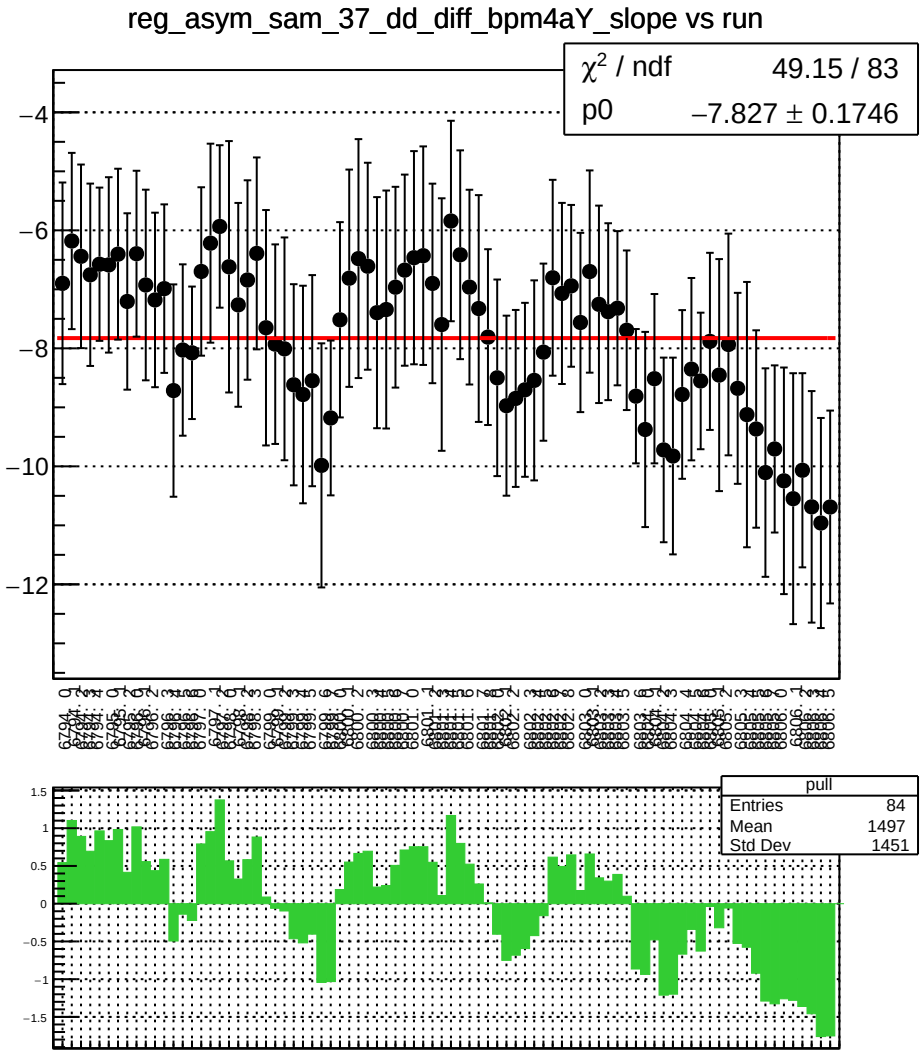

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.361 / 83
p0 −0.4112 ± 0.3692
pull
Entries 84
Mean 655.1
Std Dev 616.4
pull1D
Entries 84
Mean −0.005468
Std Dev 0.2526

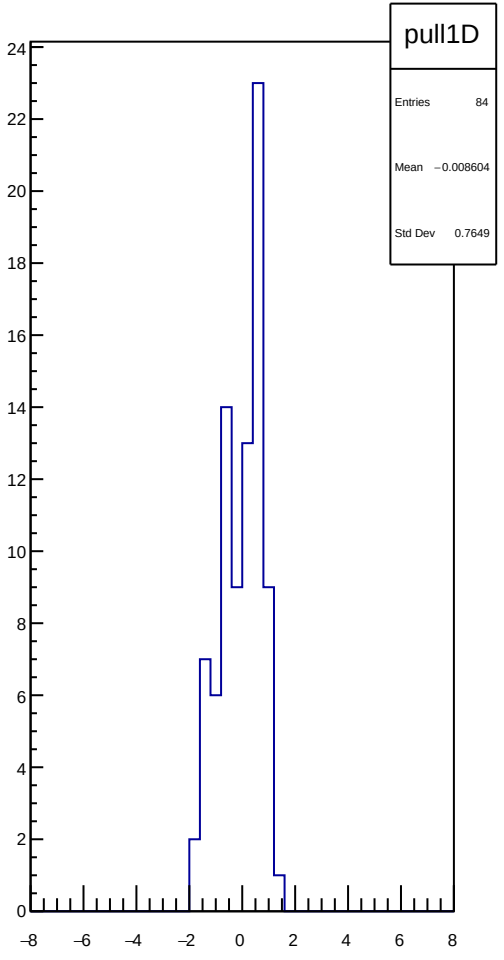

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 64.02 / 83
p0 −68.64 ± 0.7117
pull
Entries 84
Mean −46.84
Std Dev 105.1
pull1D
Entries 84
Mean 0.05034
Std Dev 0.8716

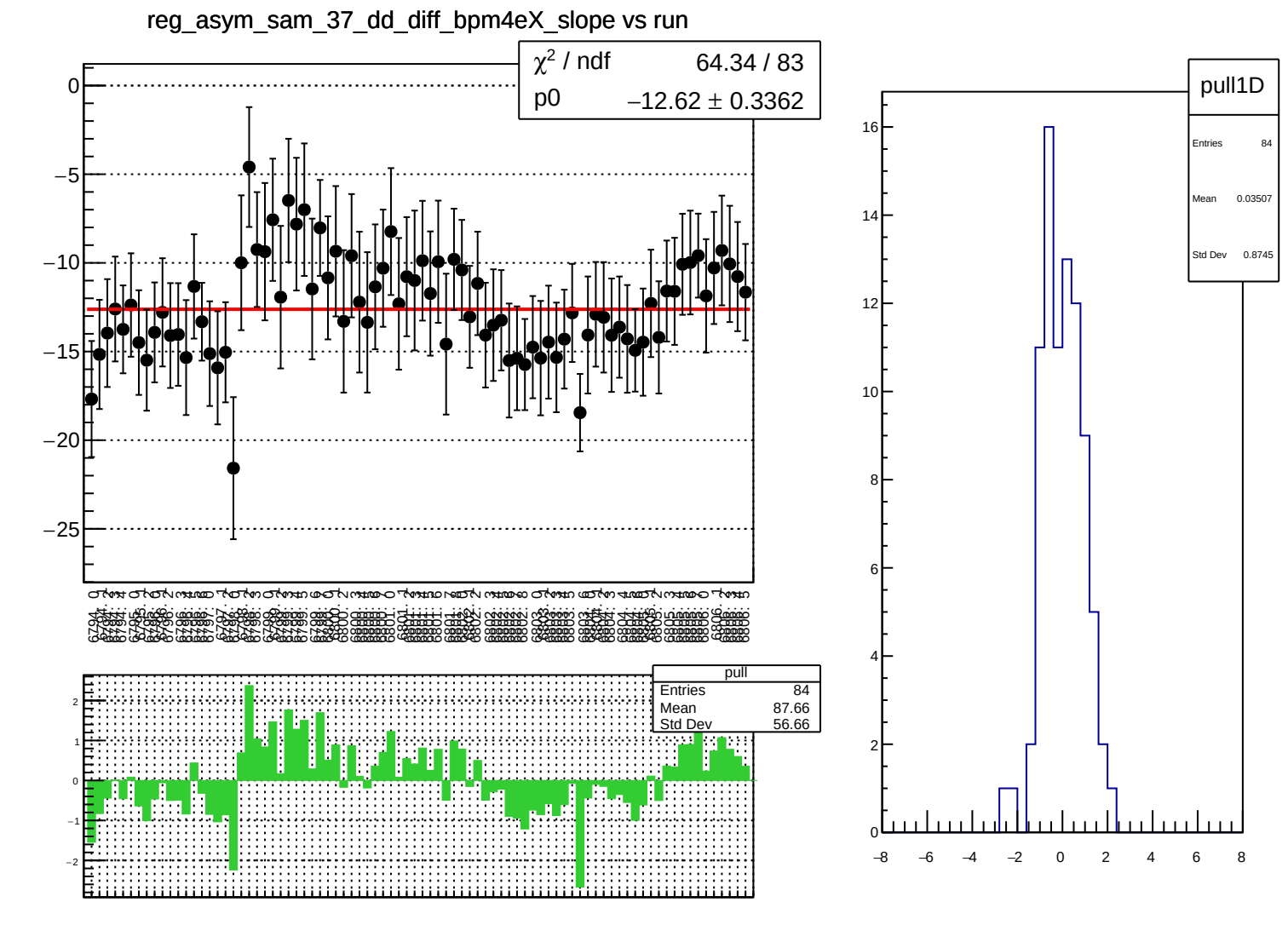

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.887 / 83
p0 9.33 ± 0.5168
pull
Entries 84
Mean 628.9
Std Dev 588.2
pull1D
Entries 84
Mean 0.007224
Std Dev 0.2862

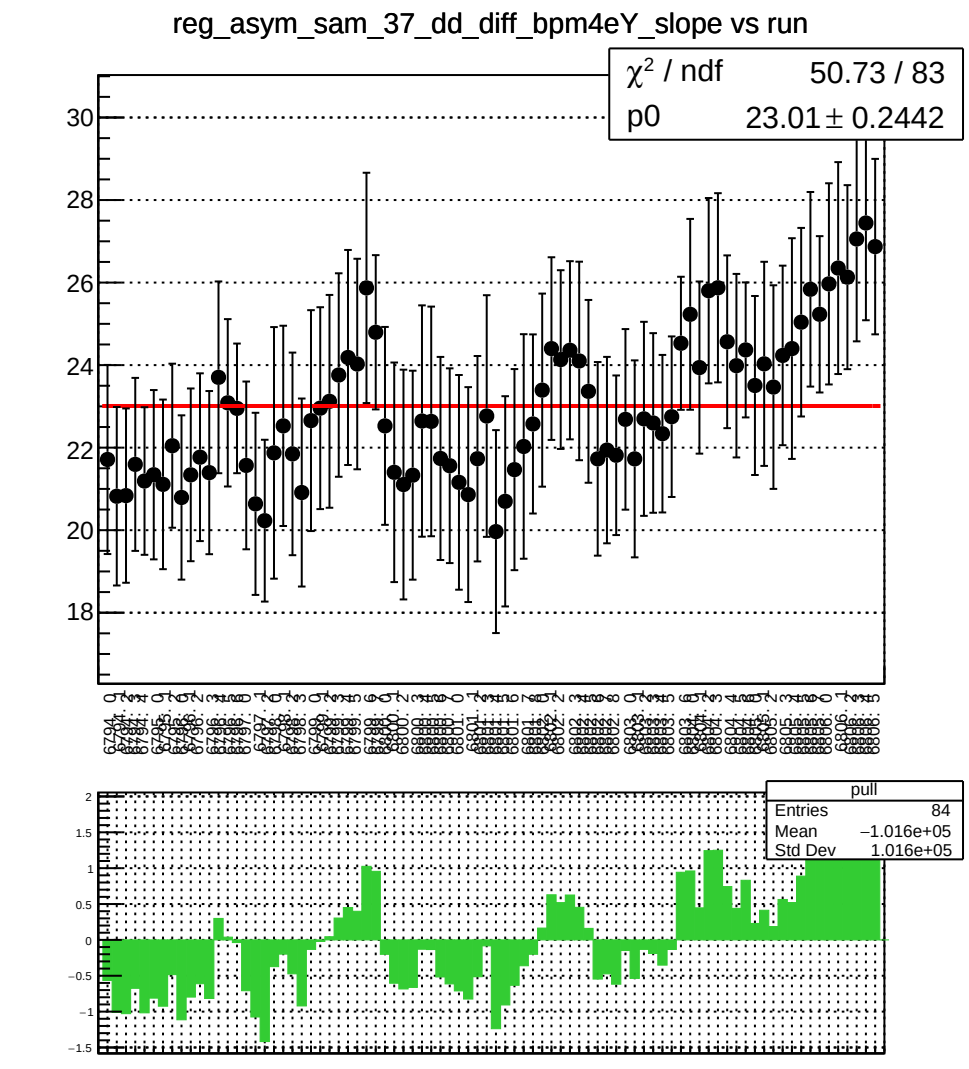

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 4.194 / 83
p0 0.3319 ± 0.03059
pull
Entries 84
Mean −470.1
Std Dev 525.8
pull1D
Entries 84
Mean 0.00429
Std Dev 0.2234

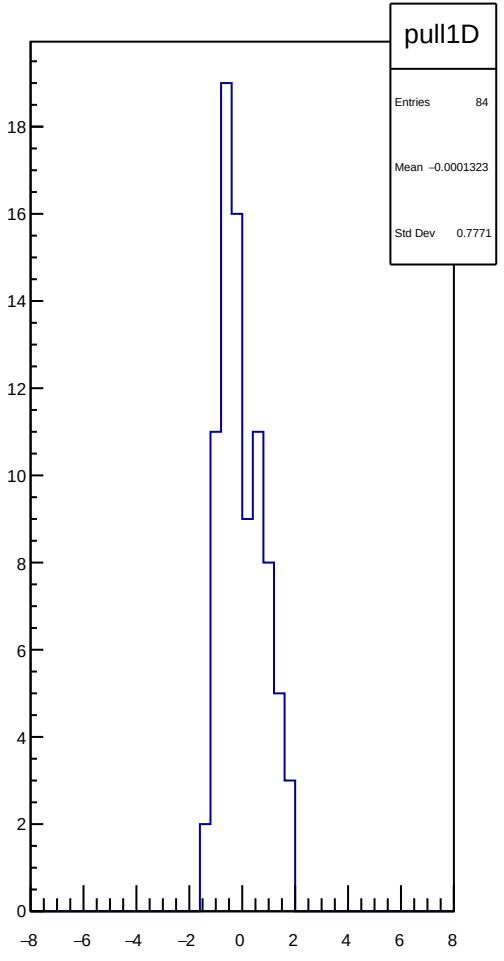

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 62.34 / 83
p0 −23.28 ± 0.3588
pull
Entries 84
Mean 81.32
Std Dev 49.55
pull1D
Entries 84
Mean −0.06117
Std Dev 0.8593

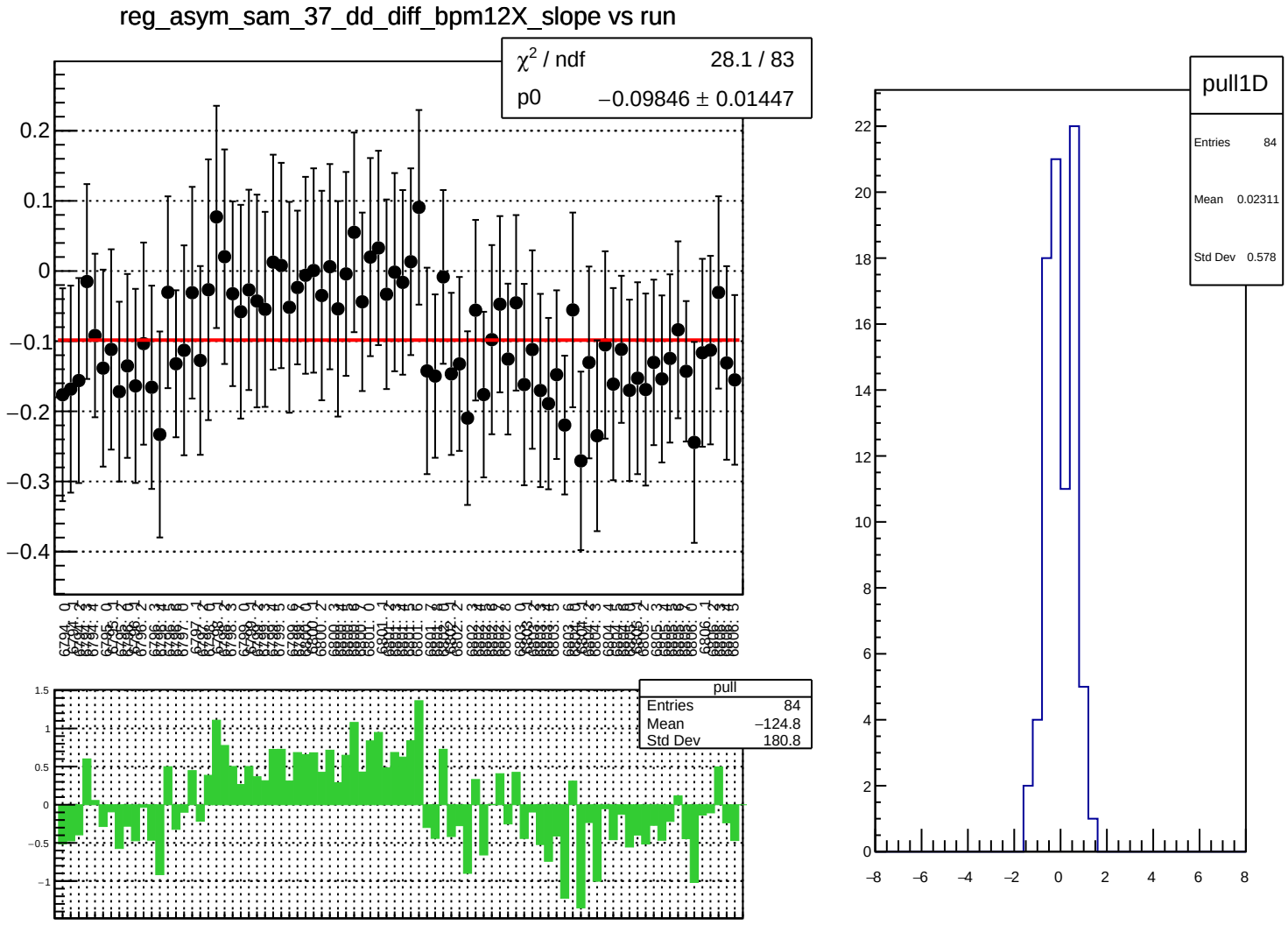

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 49.15 / 83
p0 −7.827 ± 0.1746
pull
Entries 84
Mean 1497
Std Dev 1451

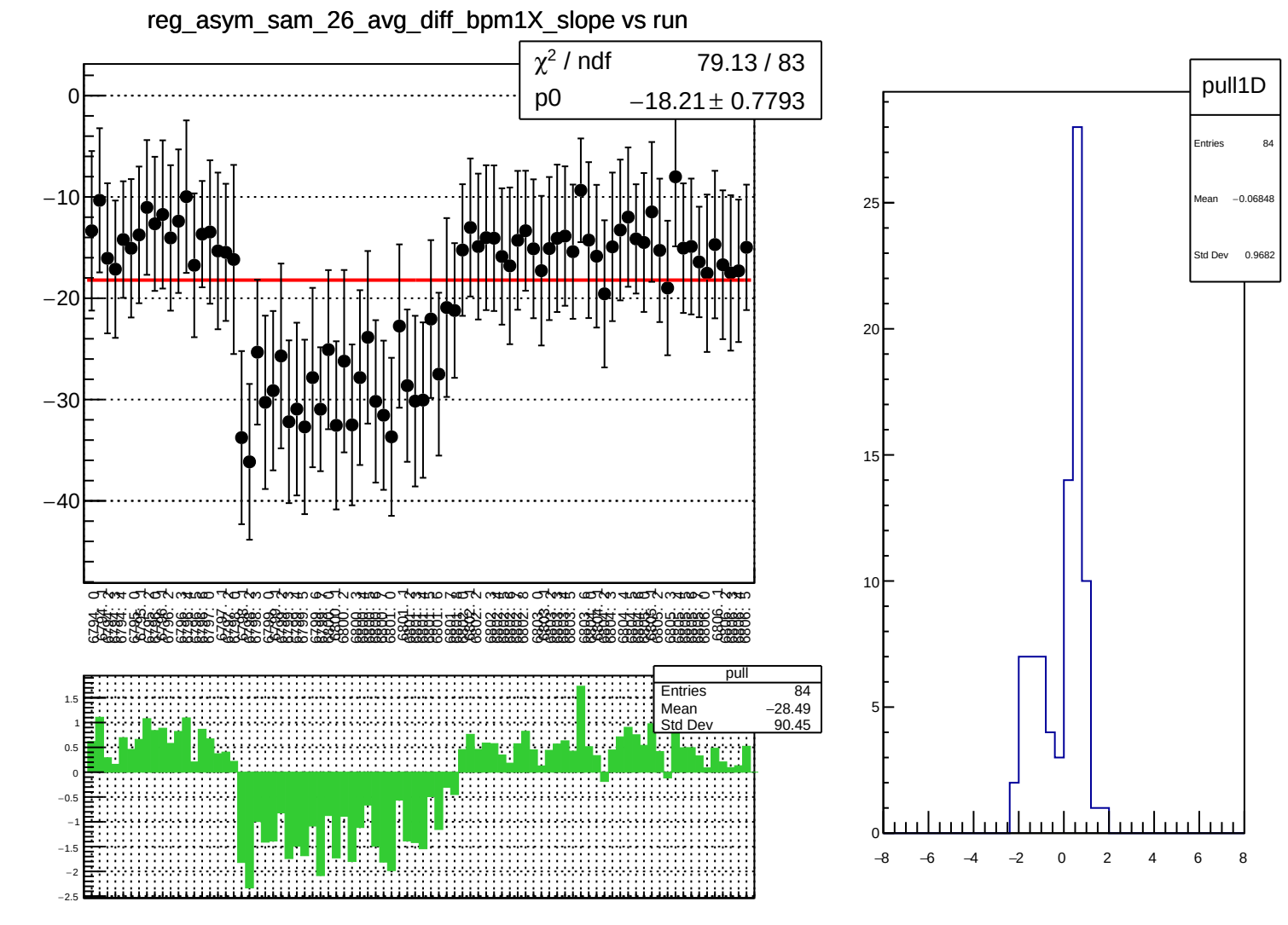

pull1D
Entries 84
Mean −0.008604
Std Dev 0.7649

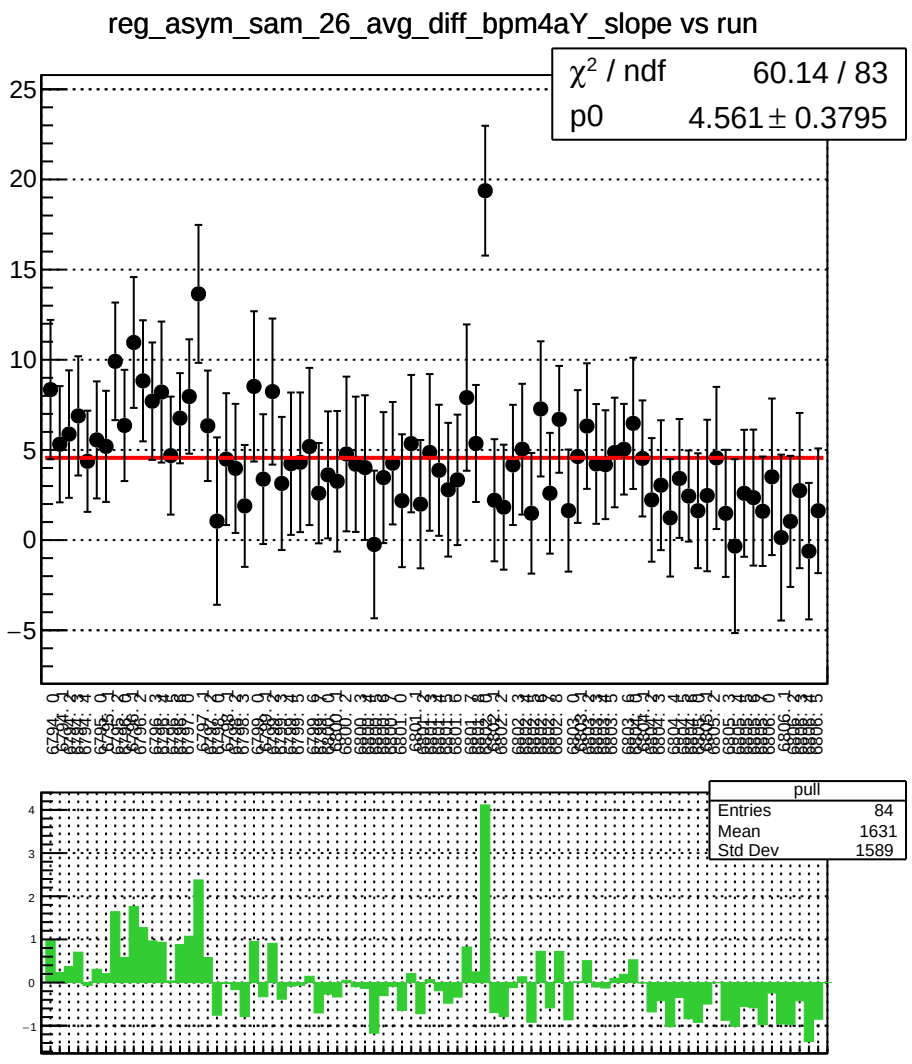

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 64.34 / 83
p0 −12.62 ± 0.3362
pull
Entries 84
Mean 87.66
Std Dev 56.66
pull1D
Entries 84
Mean 0.03507
Std Dev 0.8745

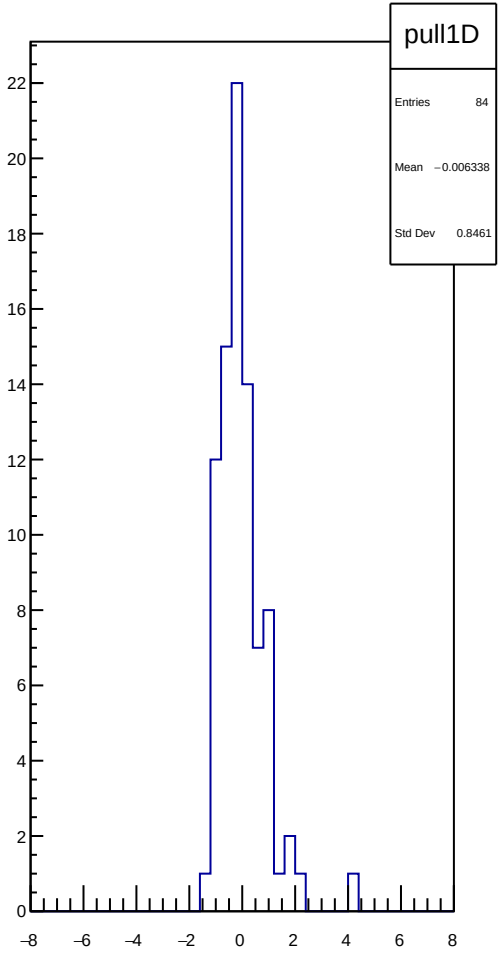

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 50.73 / 83
p0 23.01 ± 0.2442
pull
Entries 84
Mean −1.016e+05
Std Dev 1.016e+05

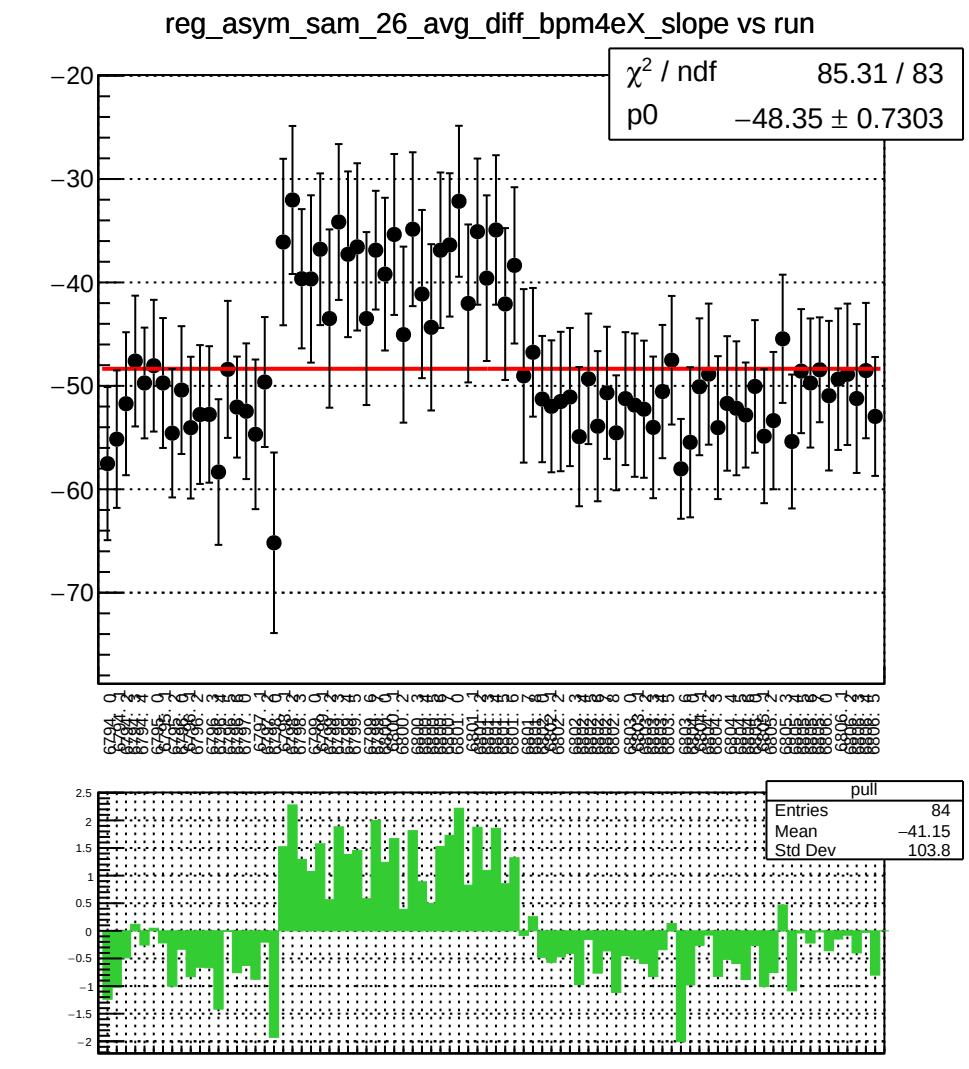

pull1D
Entries 84
Mean −0.0001323
Std Dev 0.7771

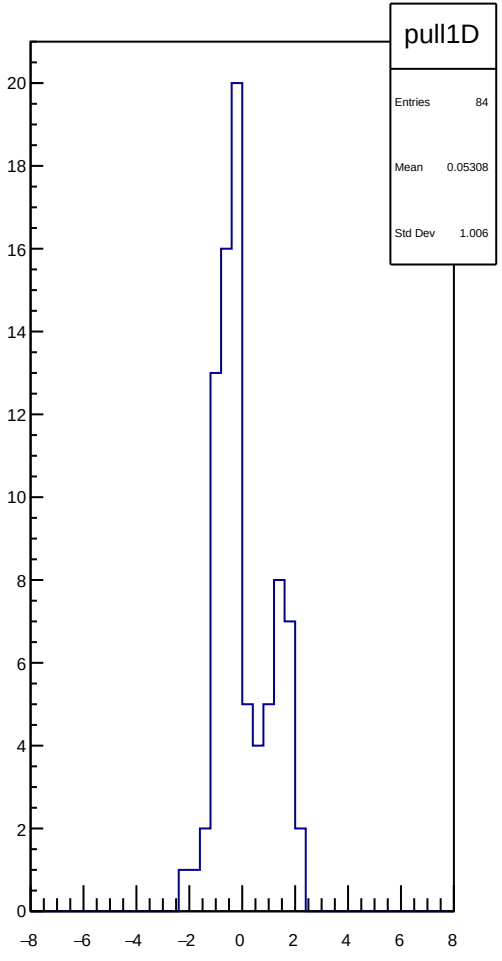

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 28.1 / 83
p0 −0.09846 ± 0.01447
pull
Entries 84
Mean −124.8
Std Dev 180.8
pull1D
Entries 84
Mean 0.02311
Std Dev 0.578

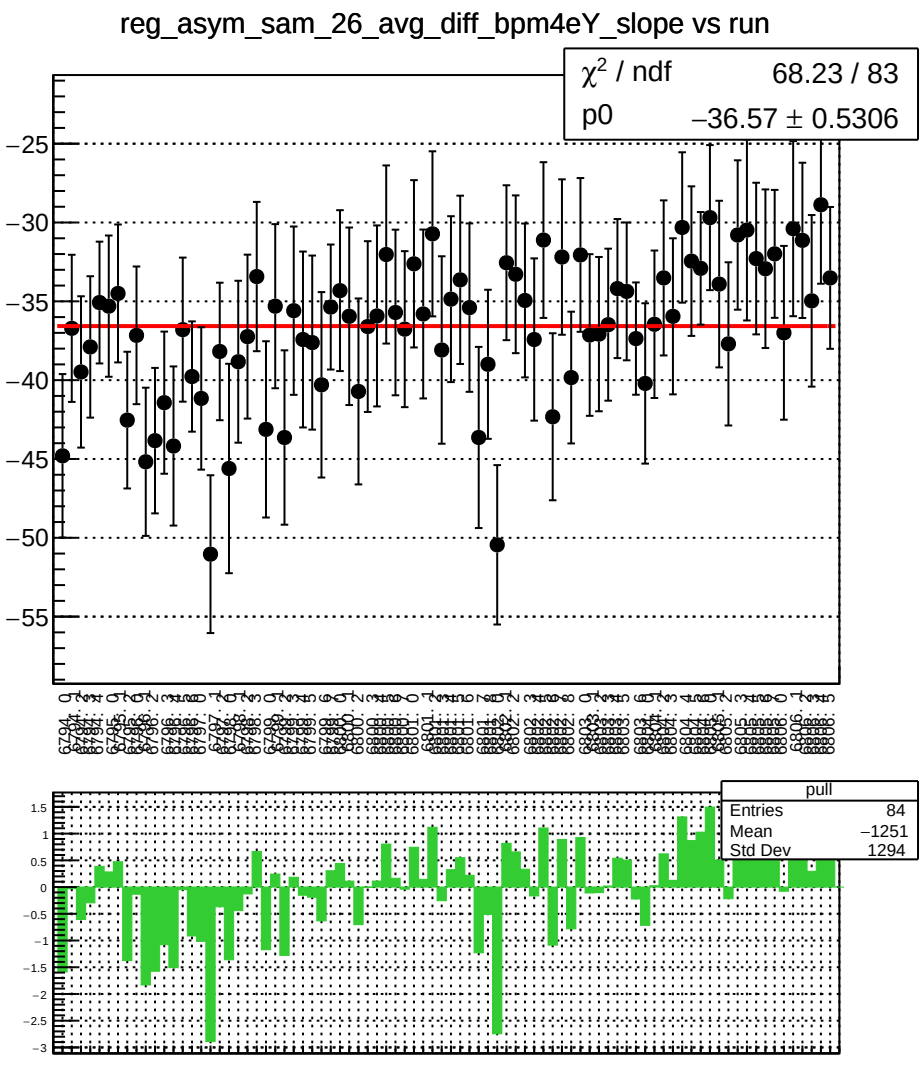

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 79.13 / 83
p0 −18.21 ± 0.7793
pull
Entries 84
Mean −28.49
Std Dev 90.45
pull1D
Entries 84
Mean −0.06848
Std Dev 0.9682

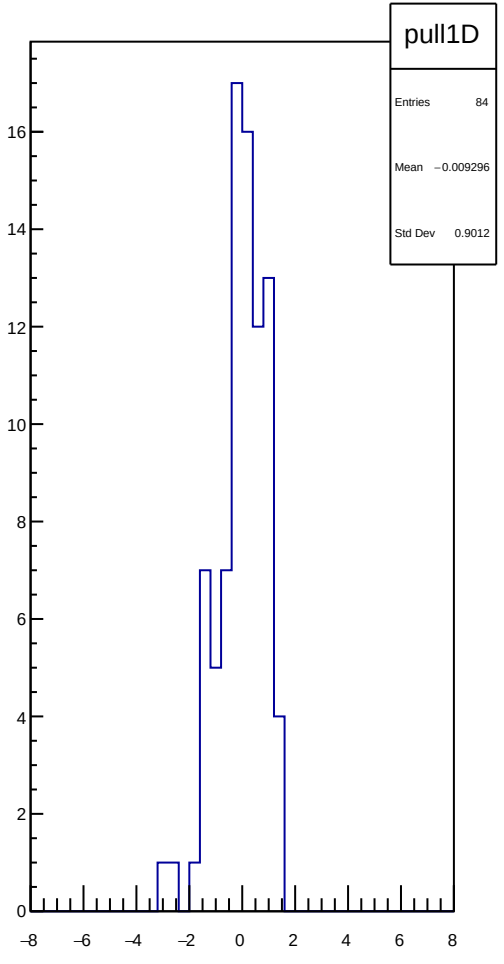

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 60.14 / 83
p0 4.561 ± 0.3795
pull
Entries 84
Mean 1631
Std Dev 1589

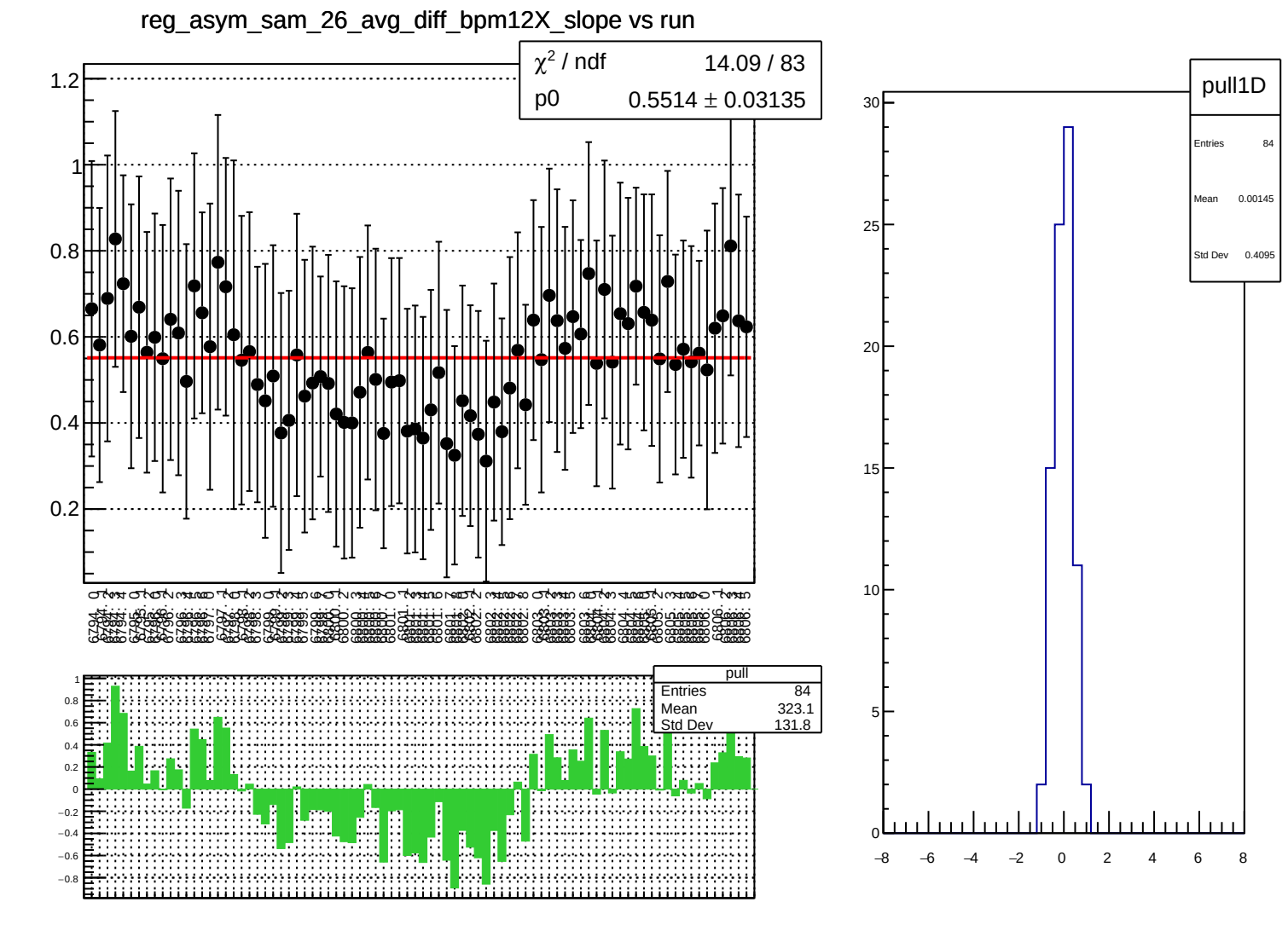

pull1D
Entries 84
Mean −0.006338
Std Dev 0.8461

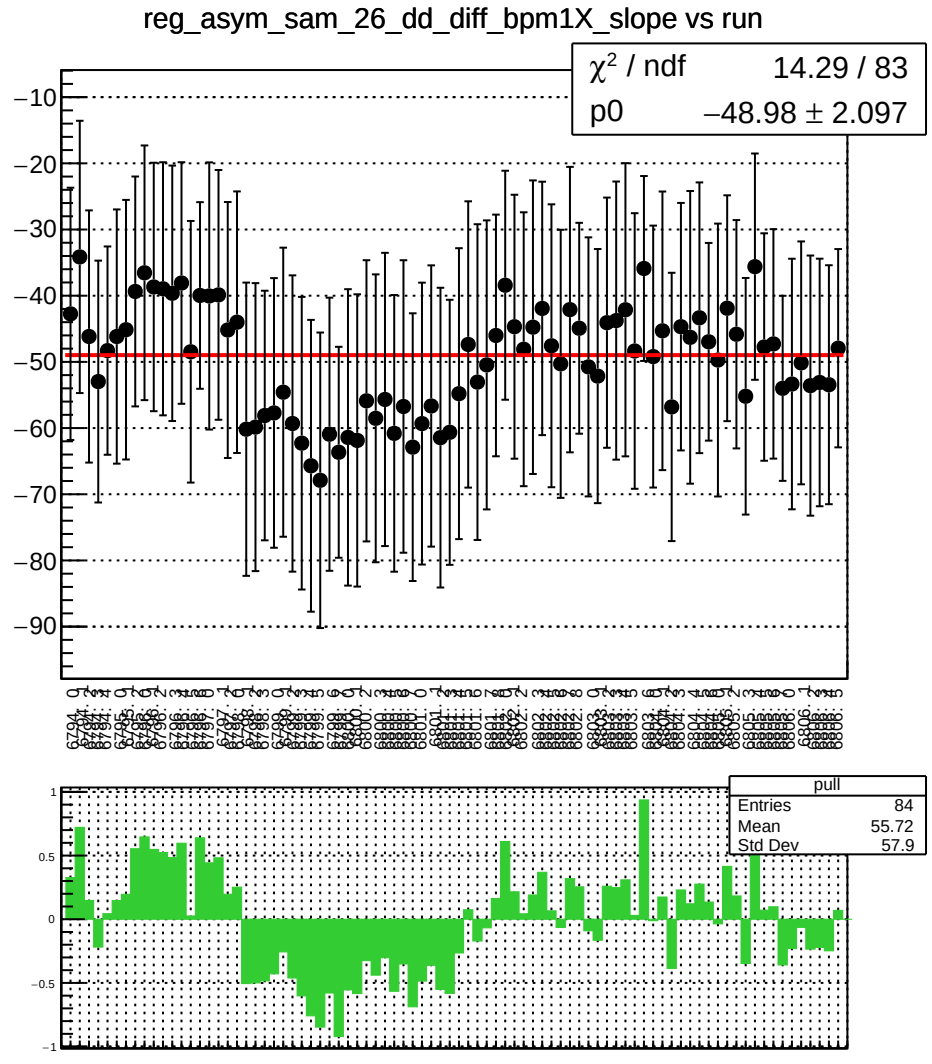

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 85.31 / 83
p0 −48.35 ± 0.7303
pull
Entries 84
Mean −41.15
Std Dev 103.8

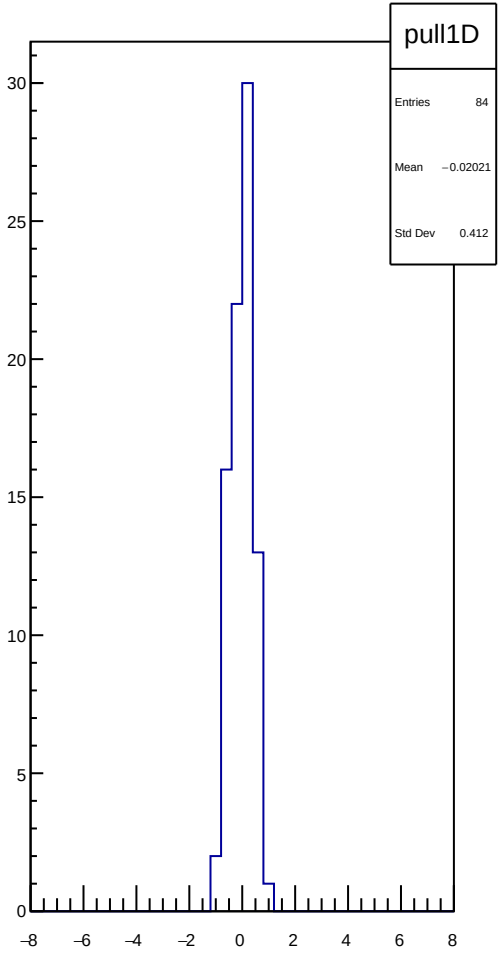

pull1D
Entries 84
Mean 0.05308
Std Dev 1.006

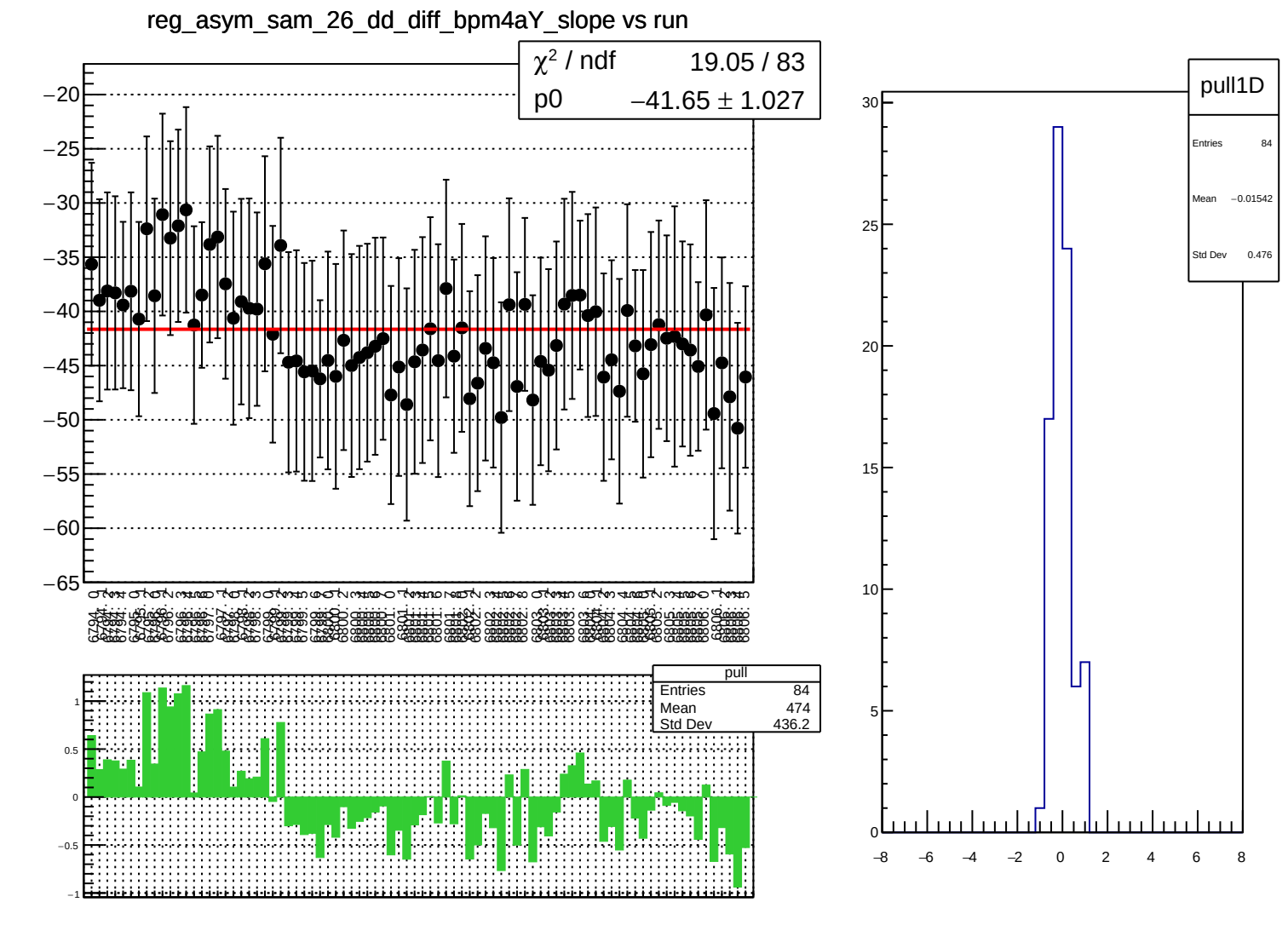

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 68.23 / 83
p0 −36.57 ± 0.5306
pull
Entries 84
Mean −1251
Std Dev 1294

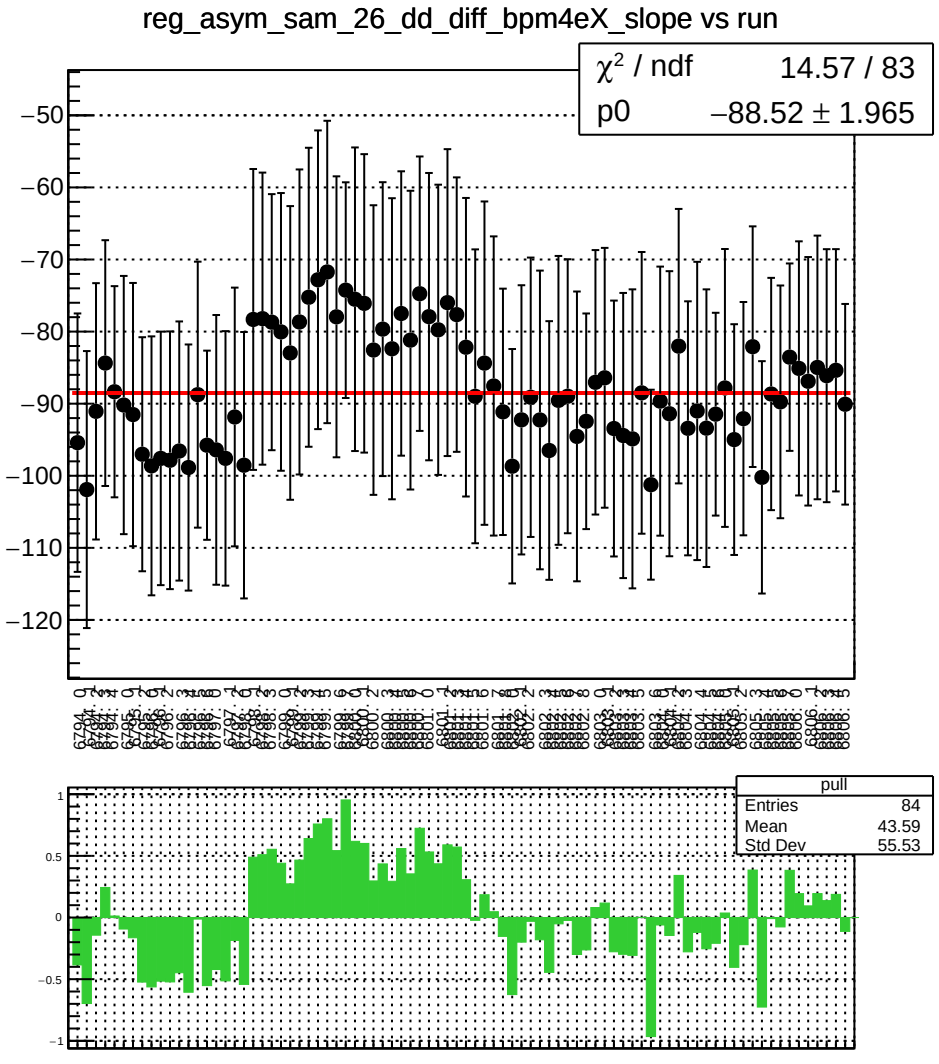

pull1D
Entries 84
Mean −0.009296
Std Dev 0.9012

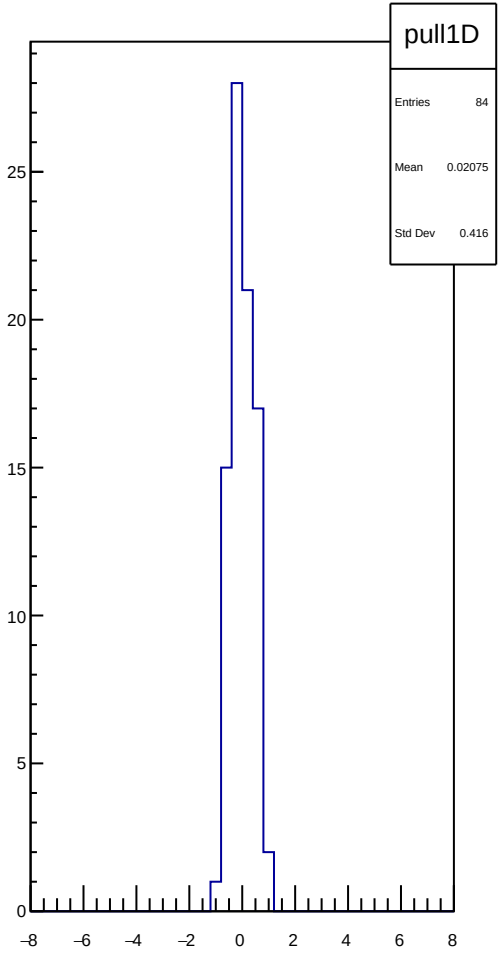

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 14.09 / 83
p0 0.5514 ± 0.03135
pull
Entries 84
Mean 323.1
Std Dev 131.8
pull1D
Entries 84
Mean 0.00145
Std Dev 0.4095

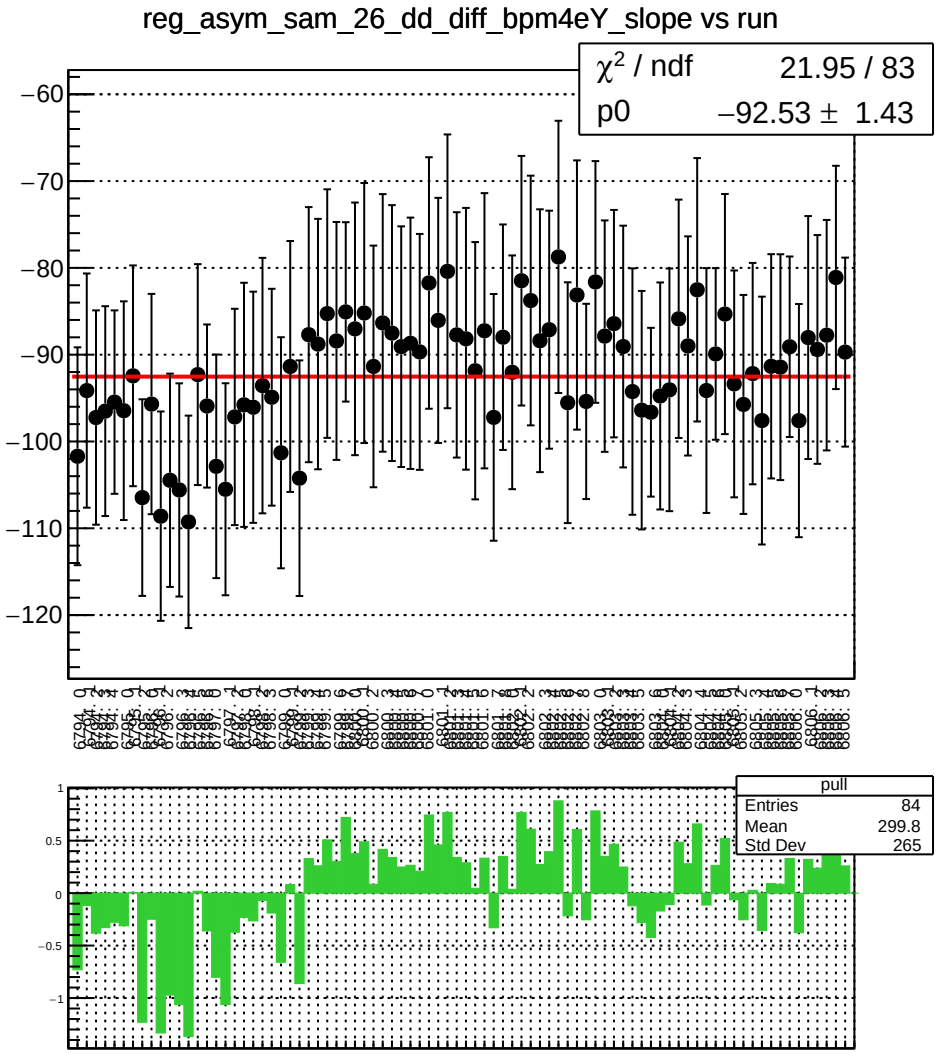

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 14.29 / 83
p0 −48.98 ± 2.097
pull
Entries 84
Mean 55.72
Std Dev 57.9

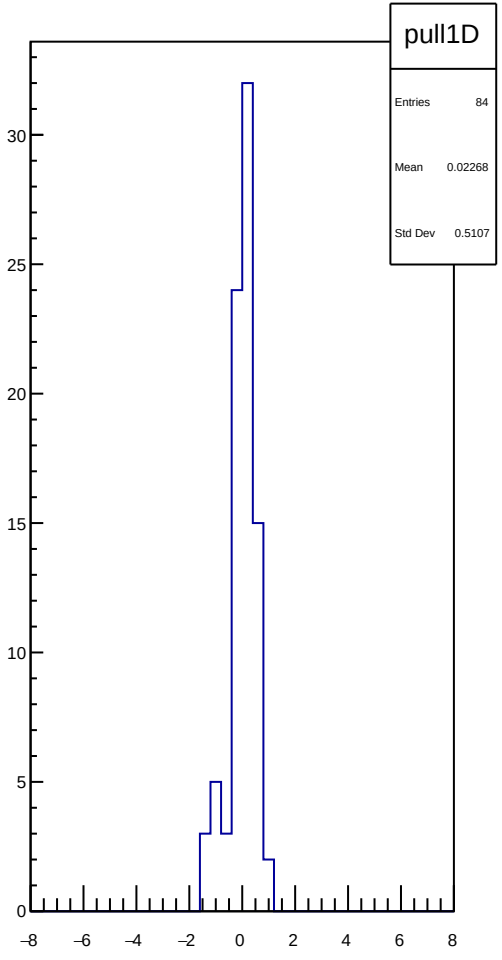

pull1D
Entries 84
Mean −0.02021
Std Dev 0.412

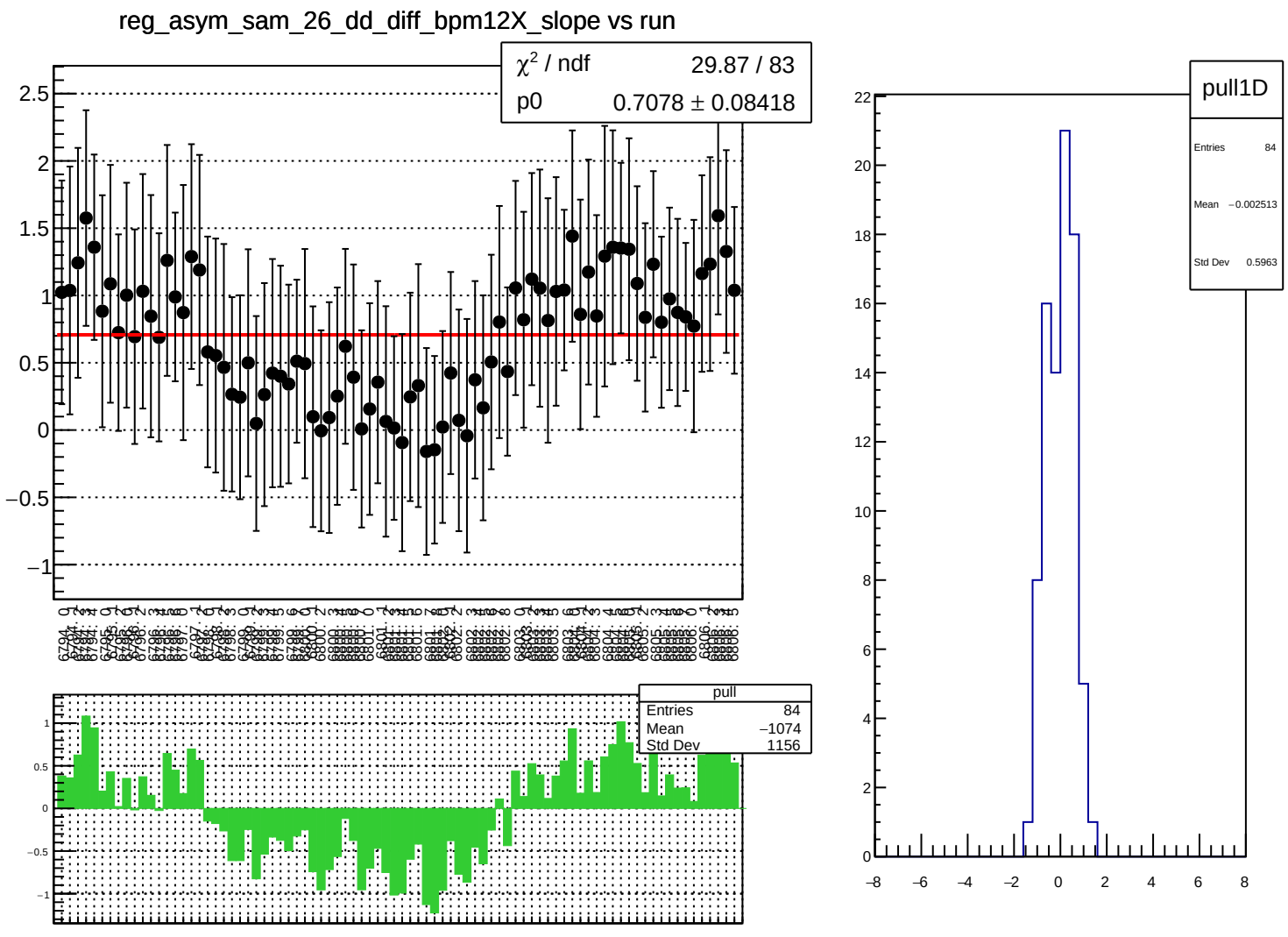

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 19.05 / 83
p0 −41.65 ± 1.027
pull
Entries 84
Mean 474
Std Dev 436.2
pull1D
Entries 84
Mean −0.01542
Std Dev 0.476

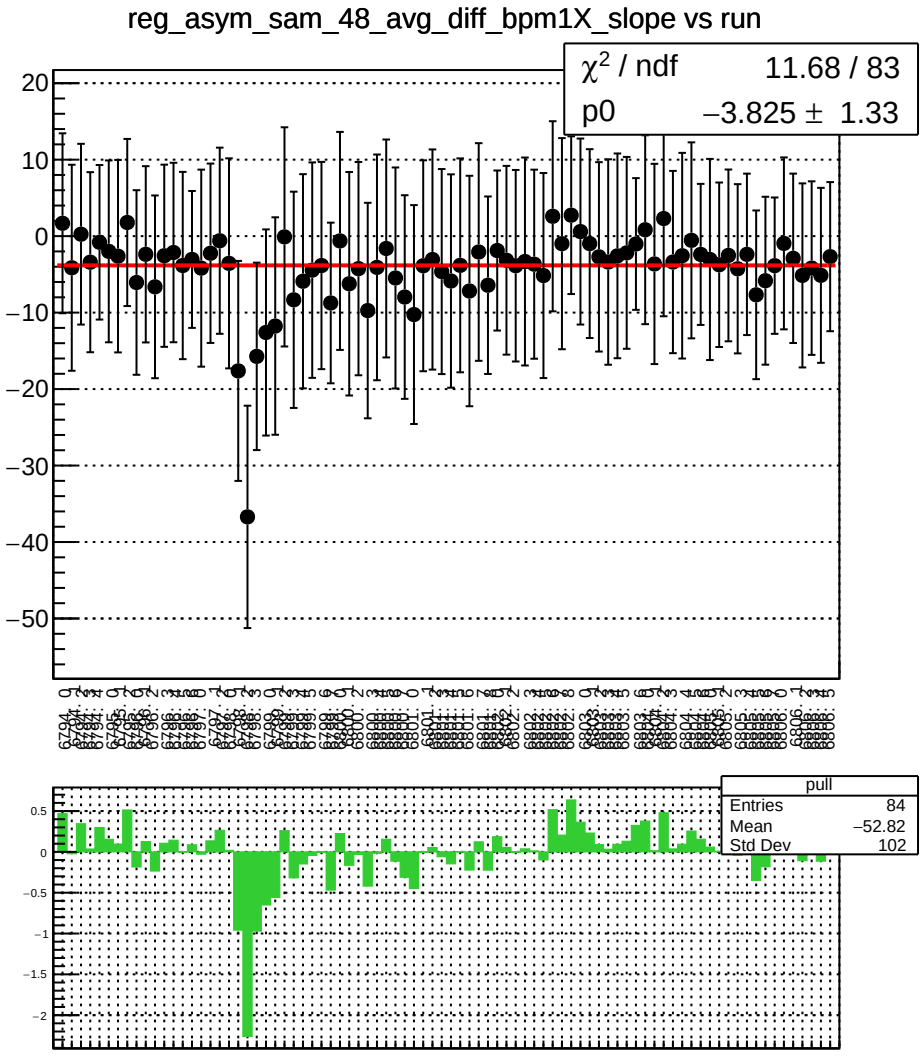

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 14.57 / 83
p0 −88.52 ± 1.965
pull
Entries 84
Mean 43.59
Std Dev 55.53

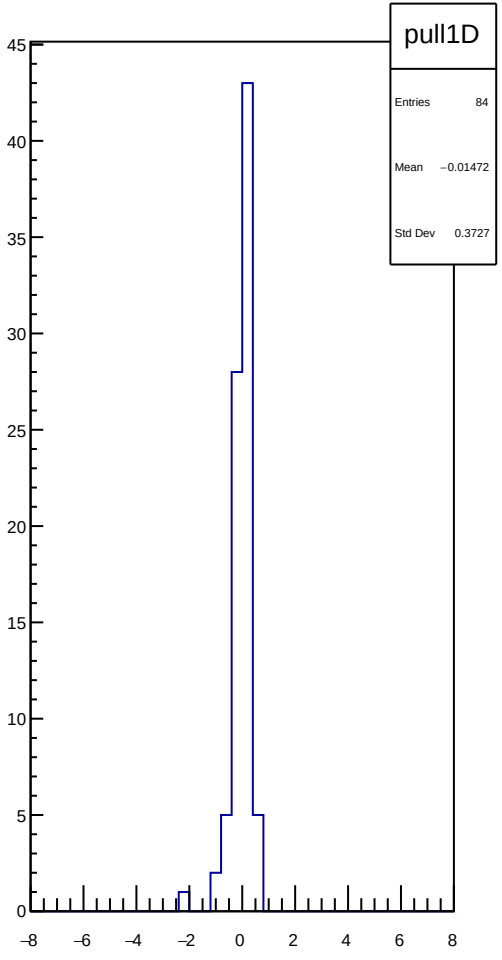

pull1D
Entries 84
Mean 0.02075
Std Dev 0.416

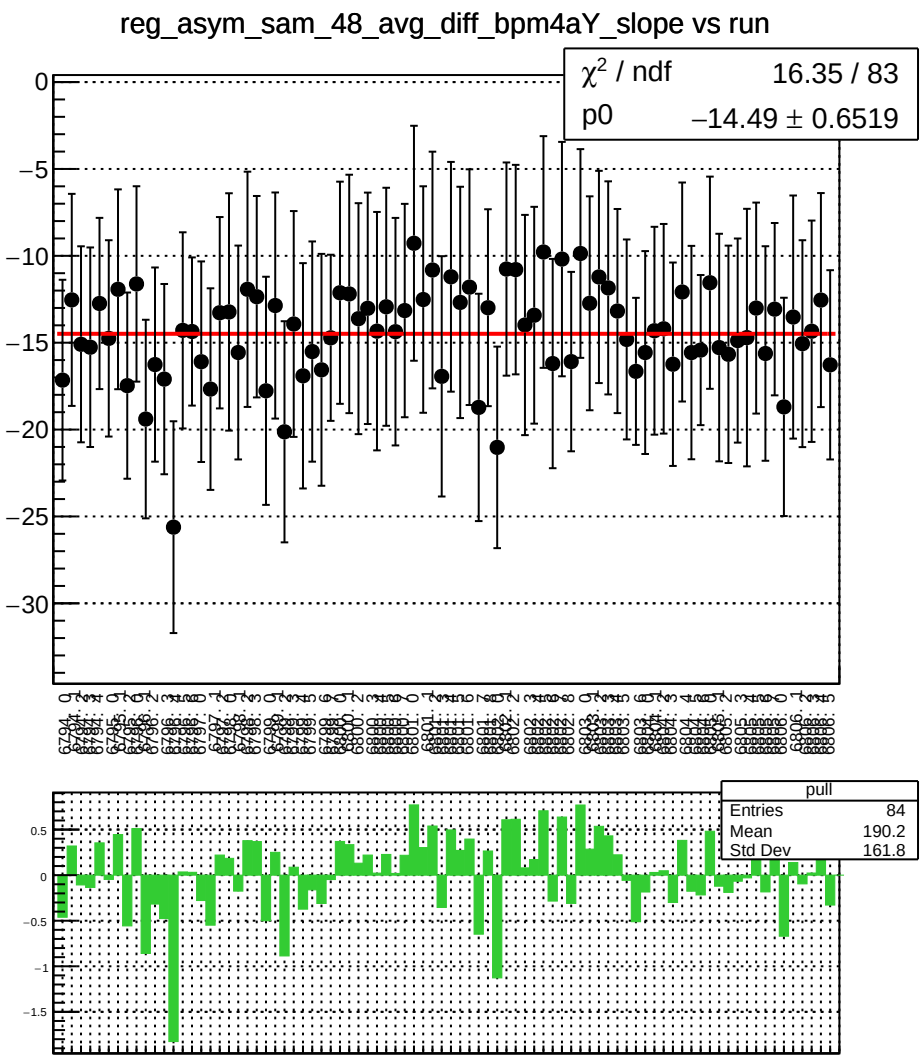

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 21.95 / 83
p0 −92.53 ± 1.43
pull
Entries 84
Mean 299.8
Std Dev 265

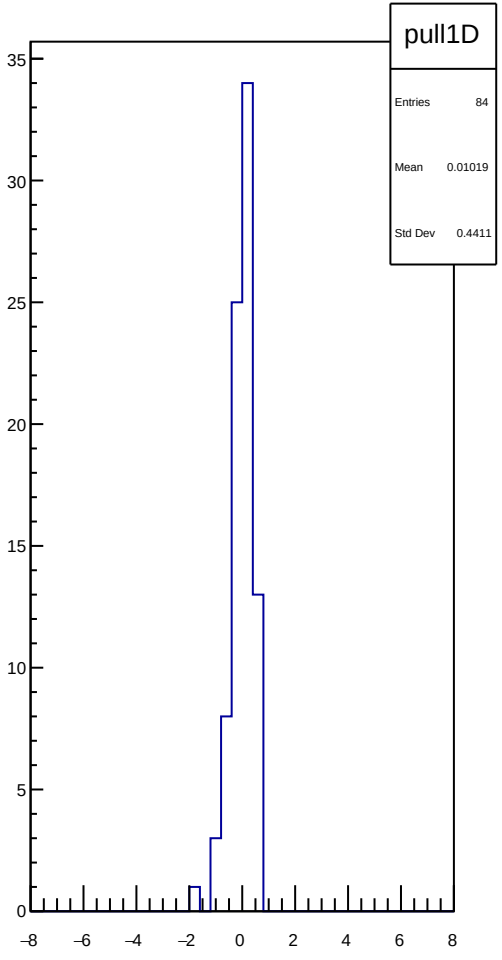

pull1D
Entries 84
Mean 0.02268
Std Dev 0.5107

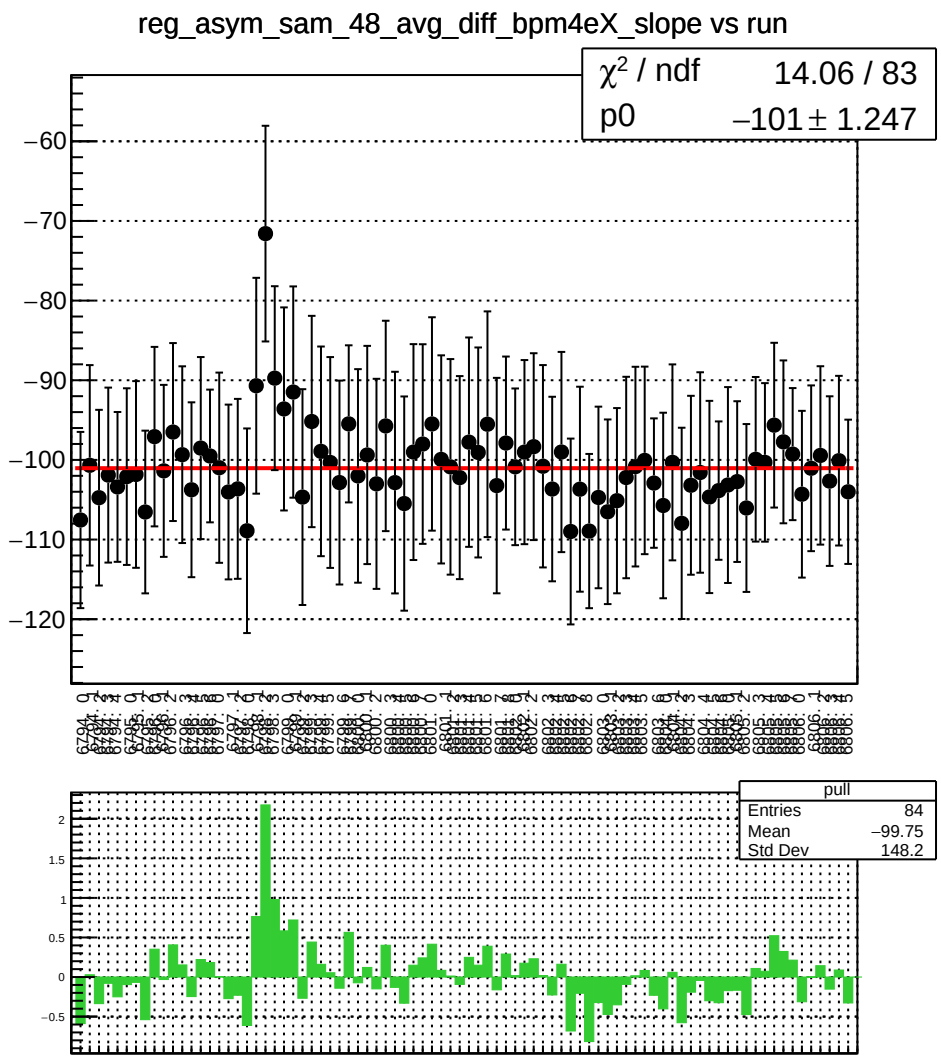

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 29.87 / 83
p0 0.7078 ± 0.08418
pull
Entries 84
Mean −1074
Std Dev 1156
pull1D
Entries 84
Mean −0.002513
Std Dev 0.5963

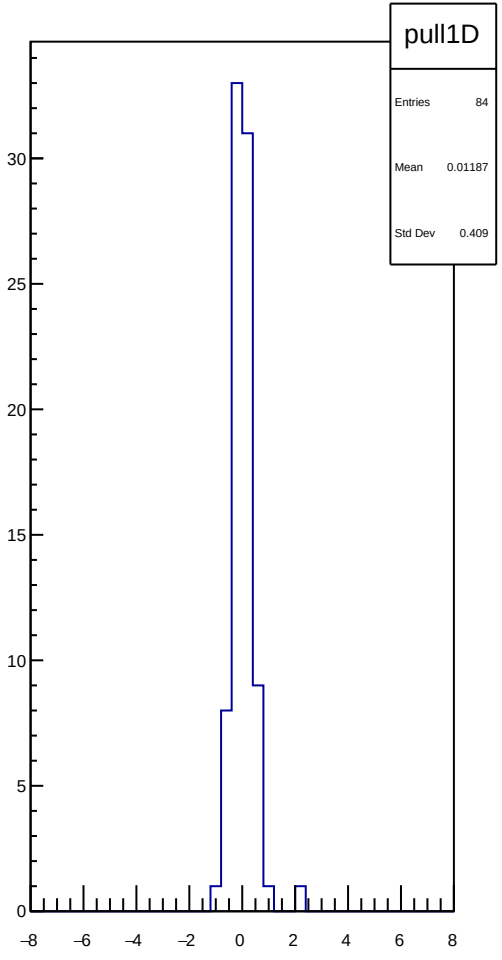

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 11.68 / 83
p0 −3.825 ± 1.33
pull
Entries 84
Mean −52.82
Std Dev 102

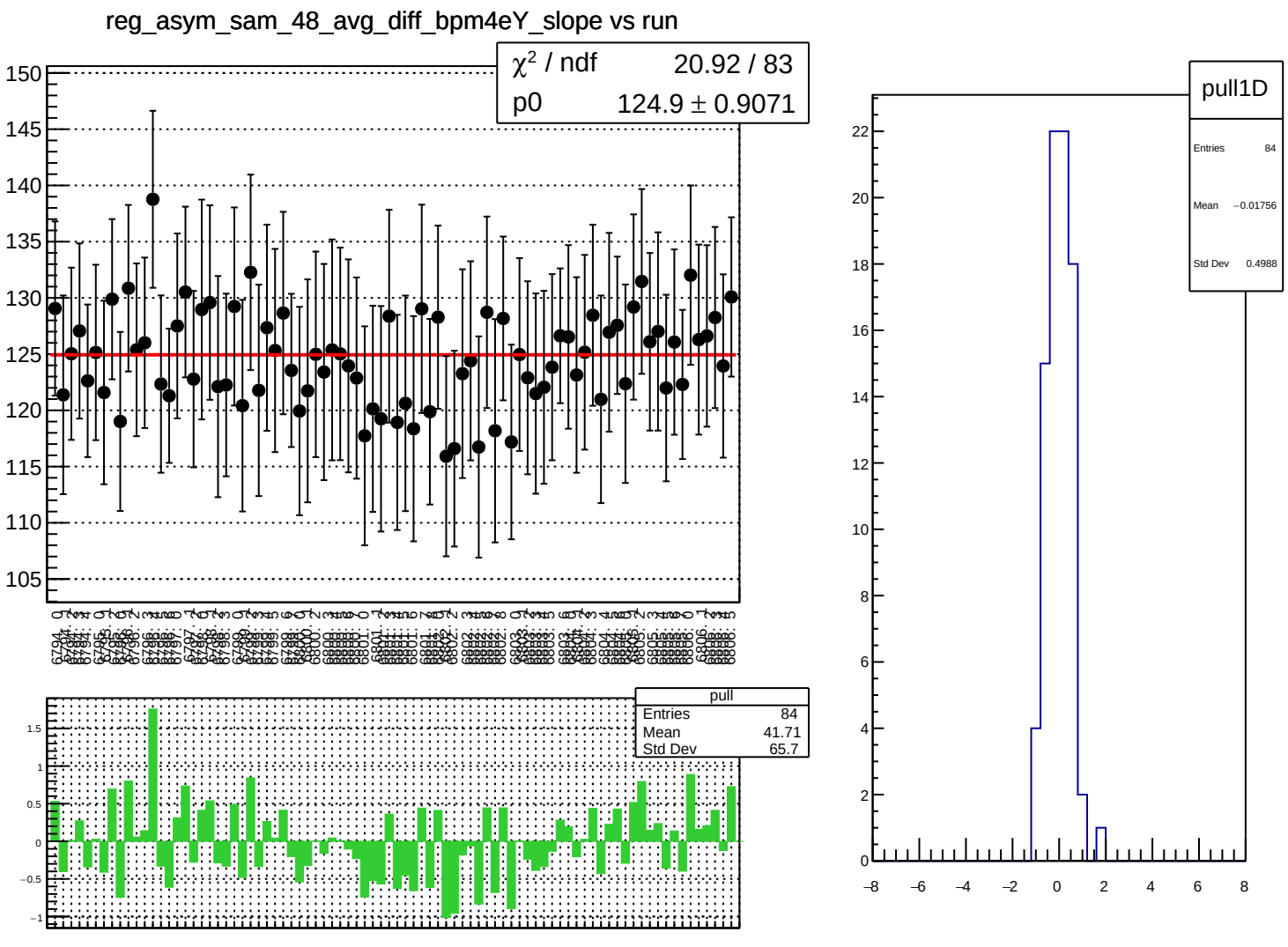

pull1D
Entries 84
Mean −0.01472
Std Dev 0.3727

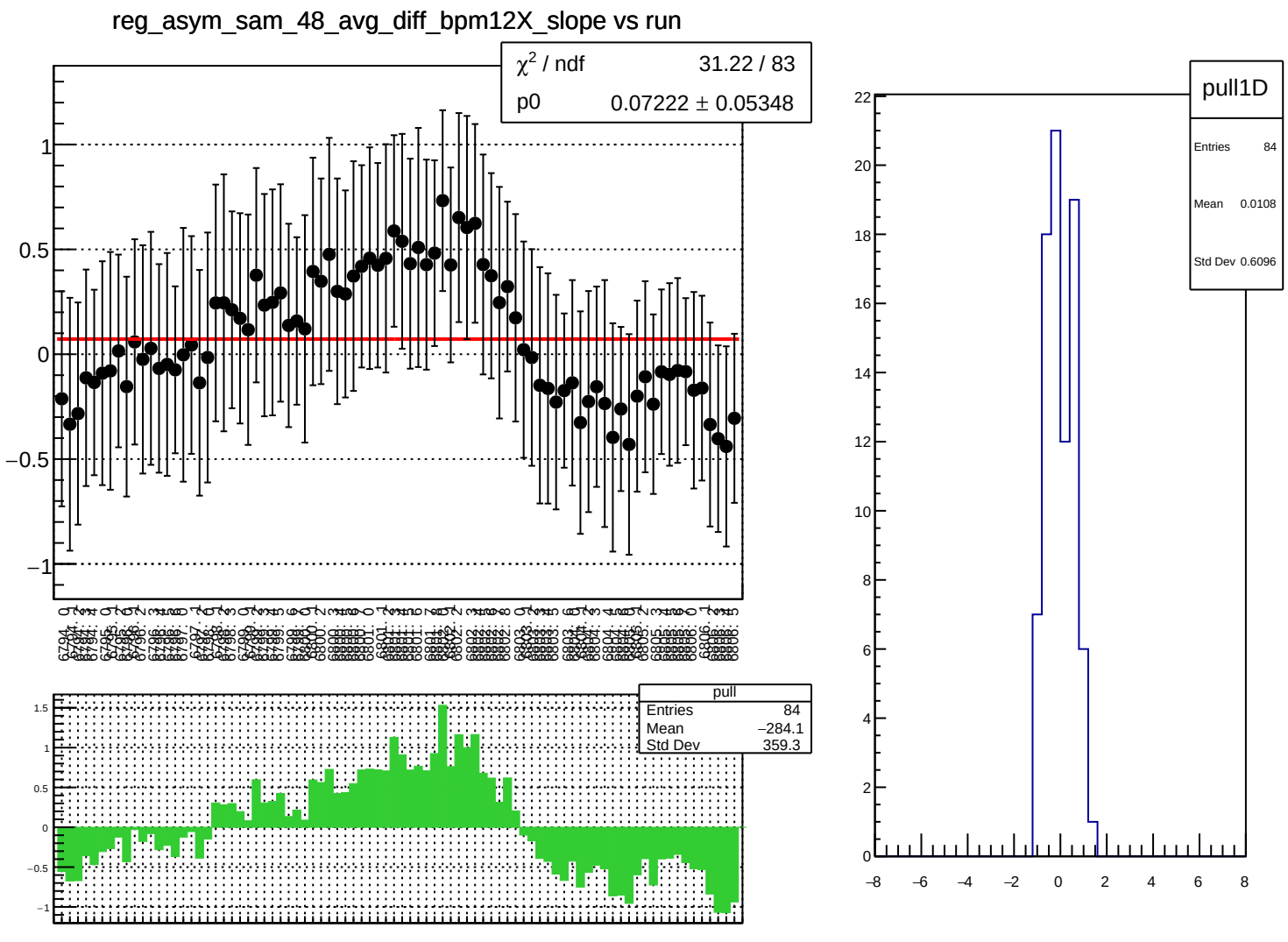

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 16.35 / 83
p0 −14.49 ± 0.6519
pull
Entries 84
Mean 190.2
Std Dev 161.8

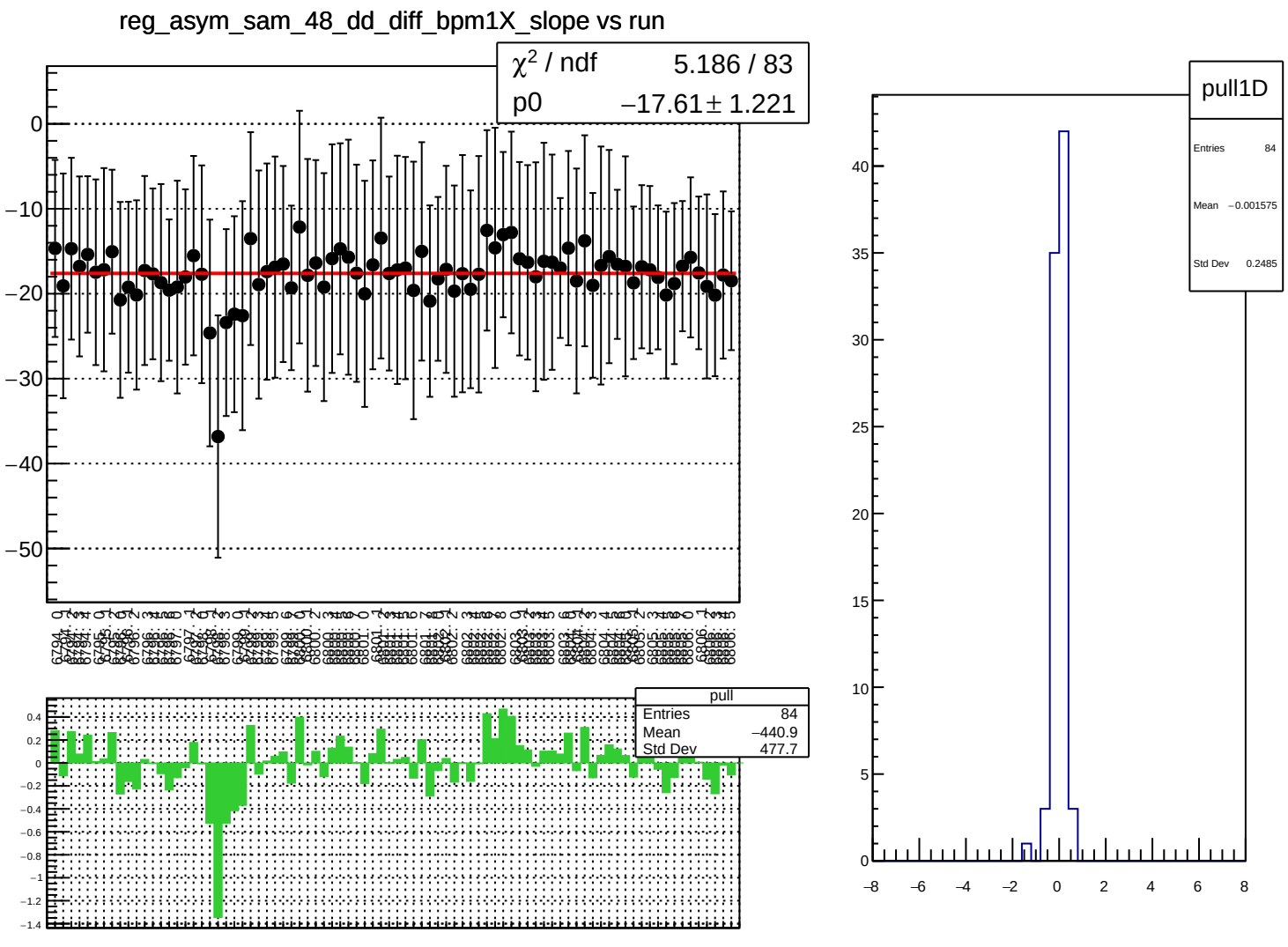

pull1D
Entries 84
Mean 0.01019
Std Dev 0.4411

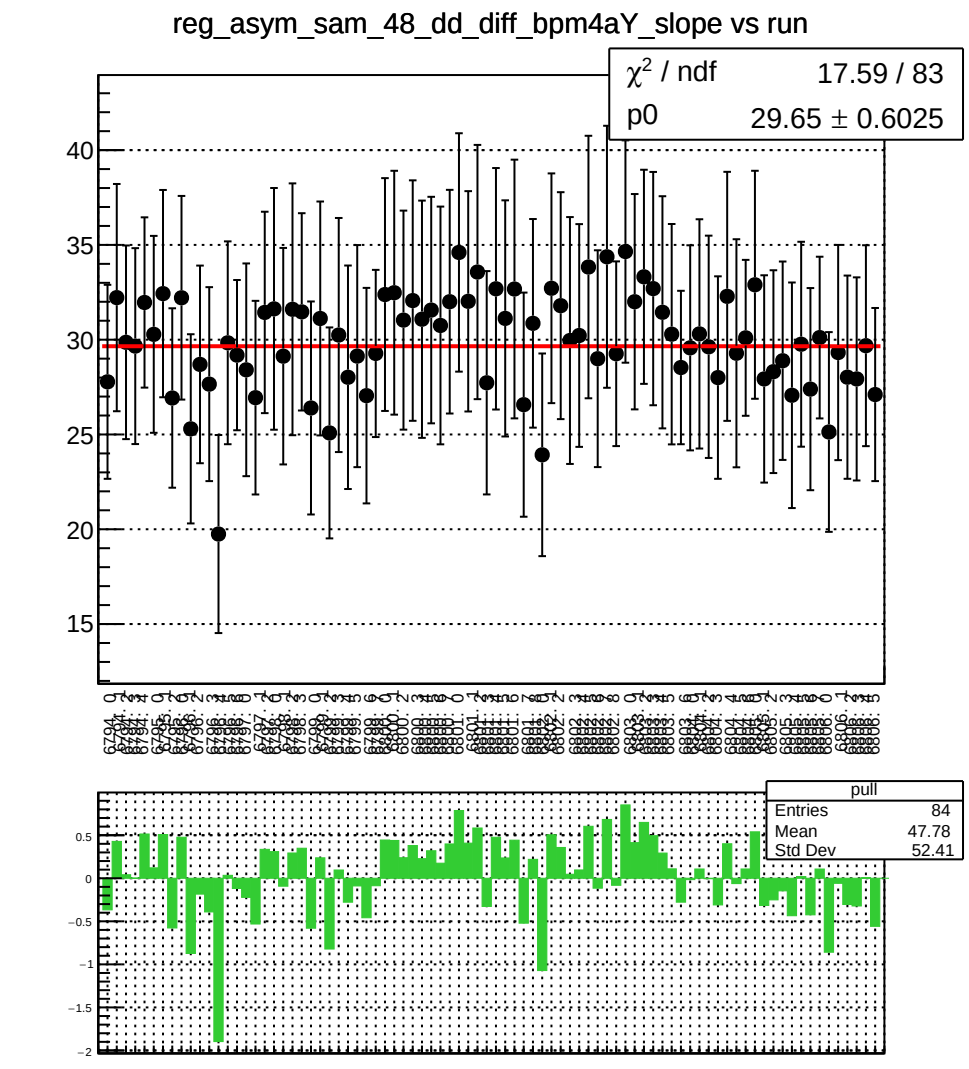

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 14.06 / 83
p0 −101 ± 1.247
pull
Entries 84
Mean −99.75
Std Dev 148.2

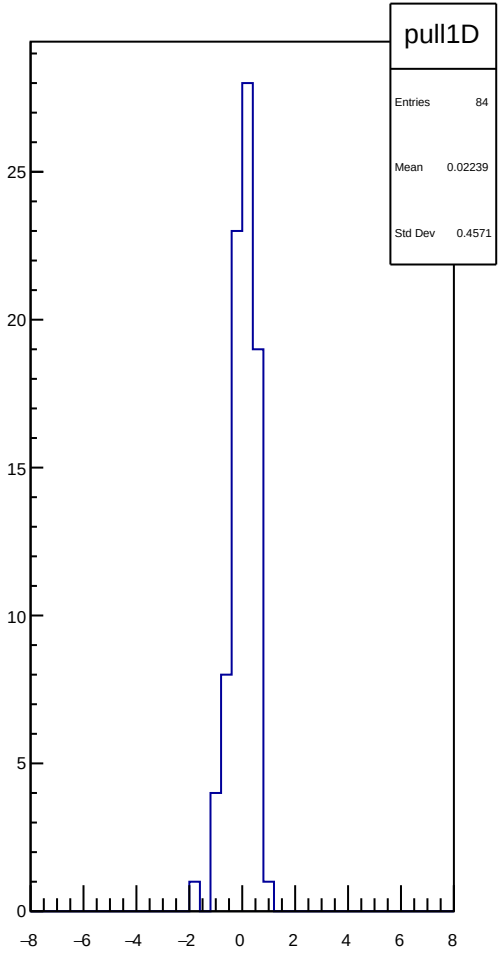

pull1D
Entries 84
Mean 0.01187
Std Dev 0.409

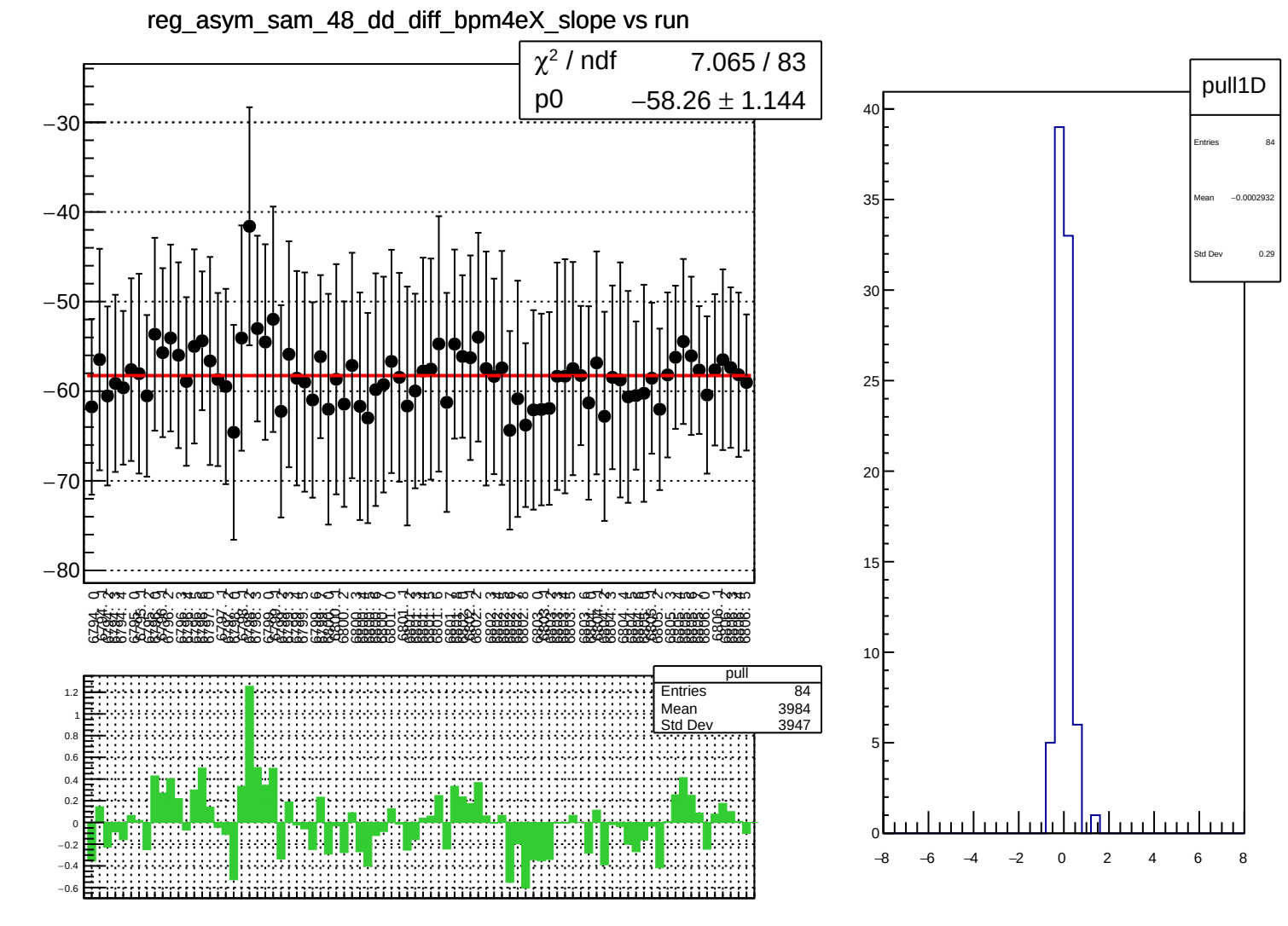

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 20.92 / 83
p0 124.9 ± 0.9071
pull
Entries 84
Mean 41.71
Std Dev 65.7
pull1D
Entries 84
Mean −0.01756
Std Dev 0.4988

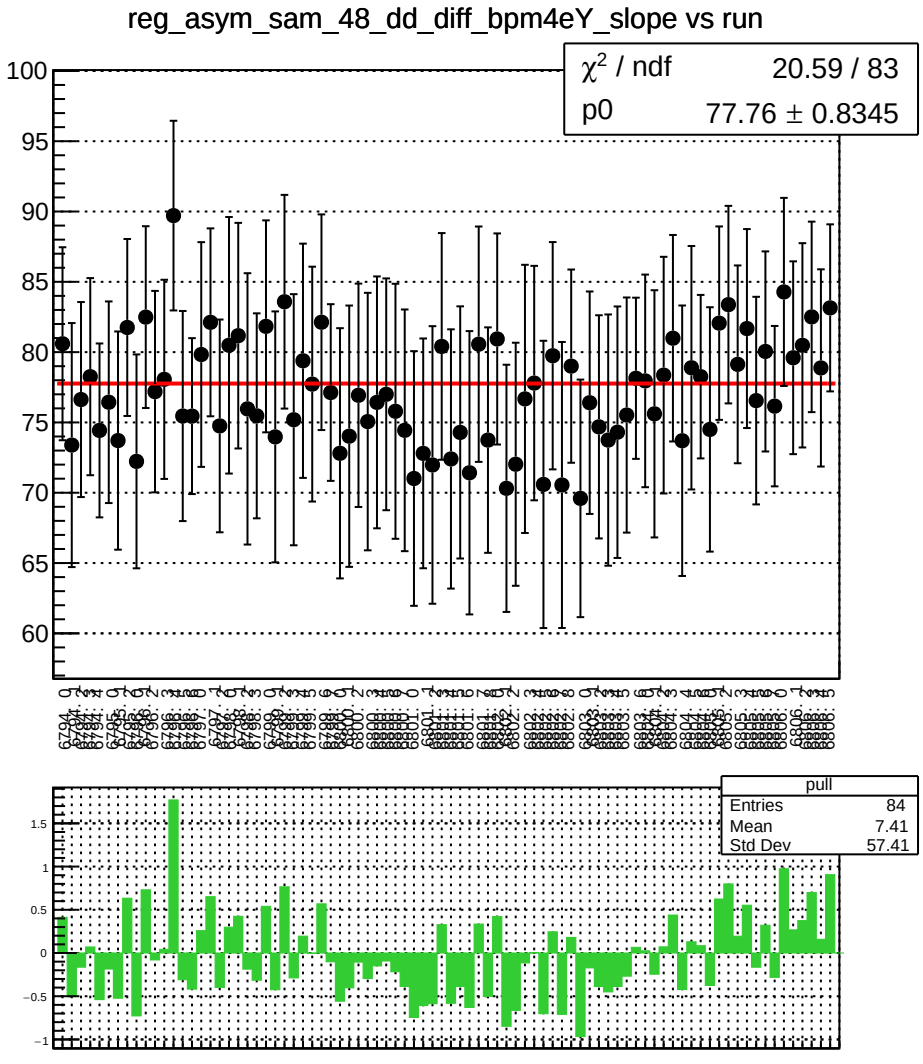

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 31.22 / 83
p0 0.07222 ± 0.05348
pull
Entries 84
Mean −284.1
Std Dev 359.3
pull1D
Entries 84
Mean 0.0108
Std Dev 0.6096

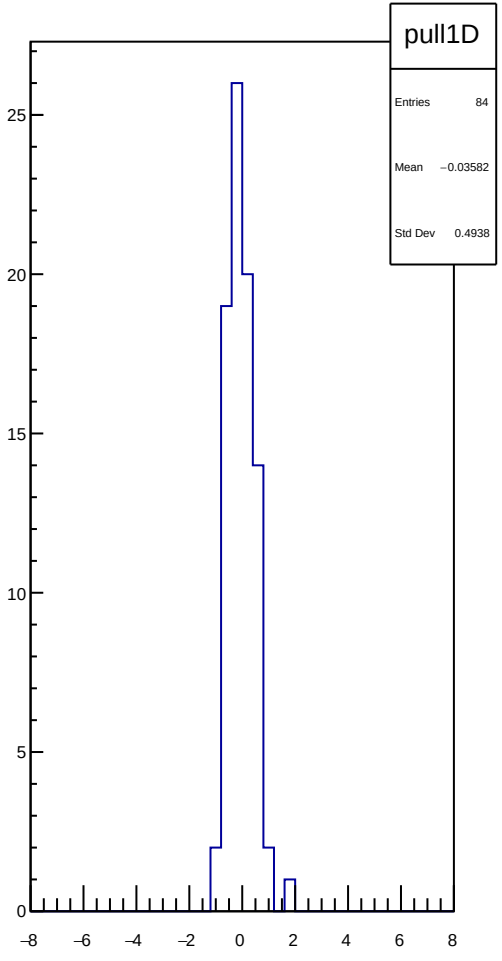

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 5.186 / 83
p0 −17.61 ± 1.221
pull
Entries 84
Mean −440.9
Std Dev 477.7
pull1D
Entries 84
Mean −0.001575
Std Dev 0.2485

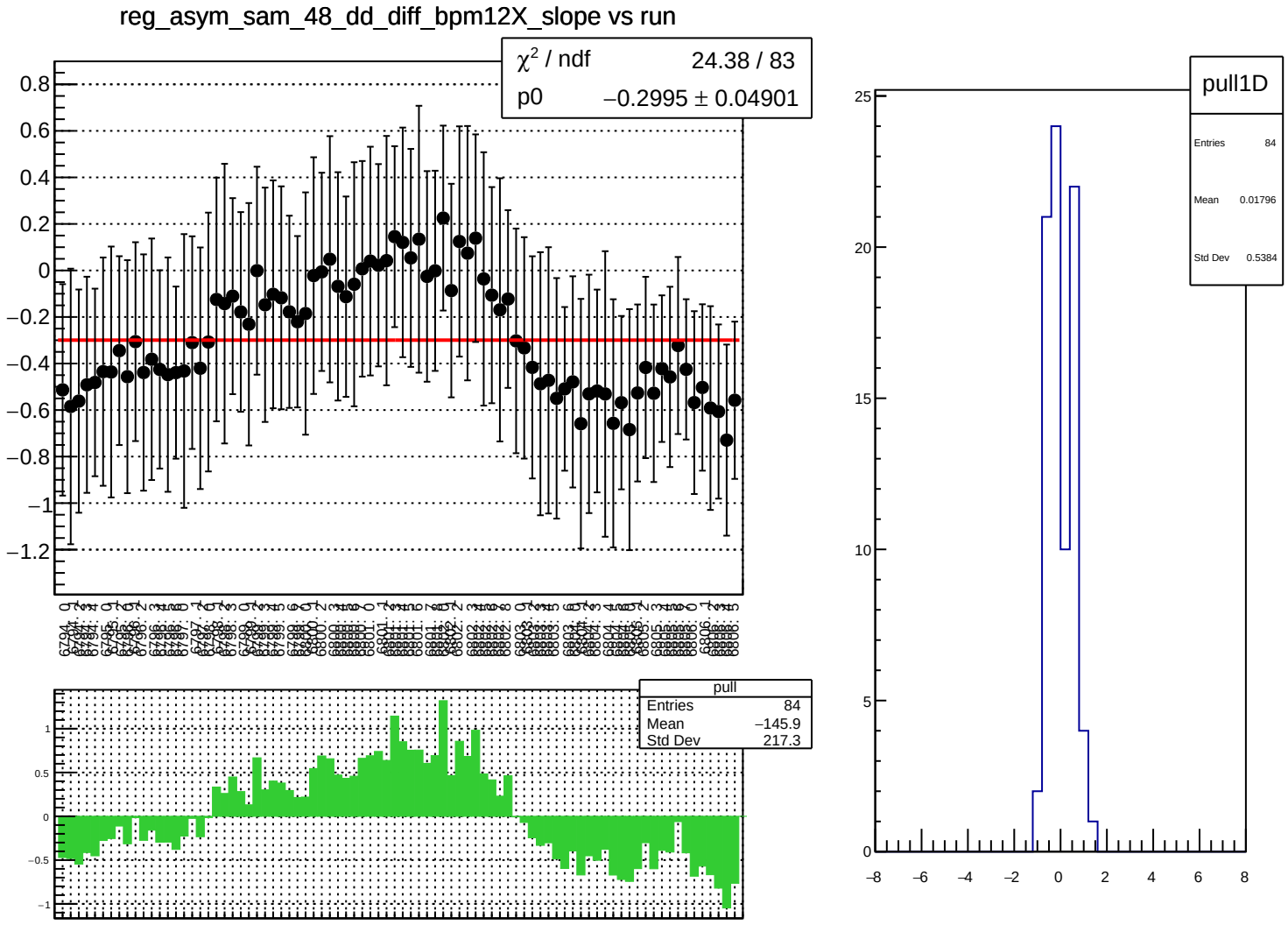

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 17.59 / 83
p0 29.65 ± 0.6025
pull
Entries 84
Mean 47.78
Std Dev 52.41

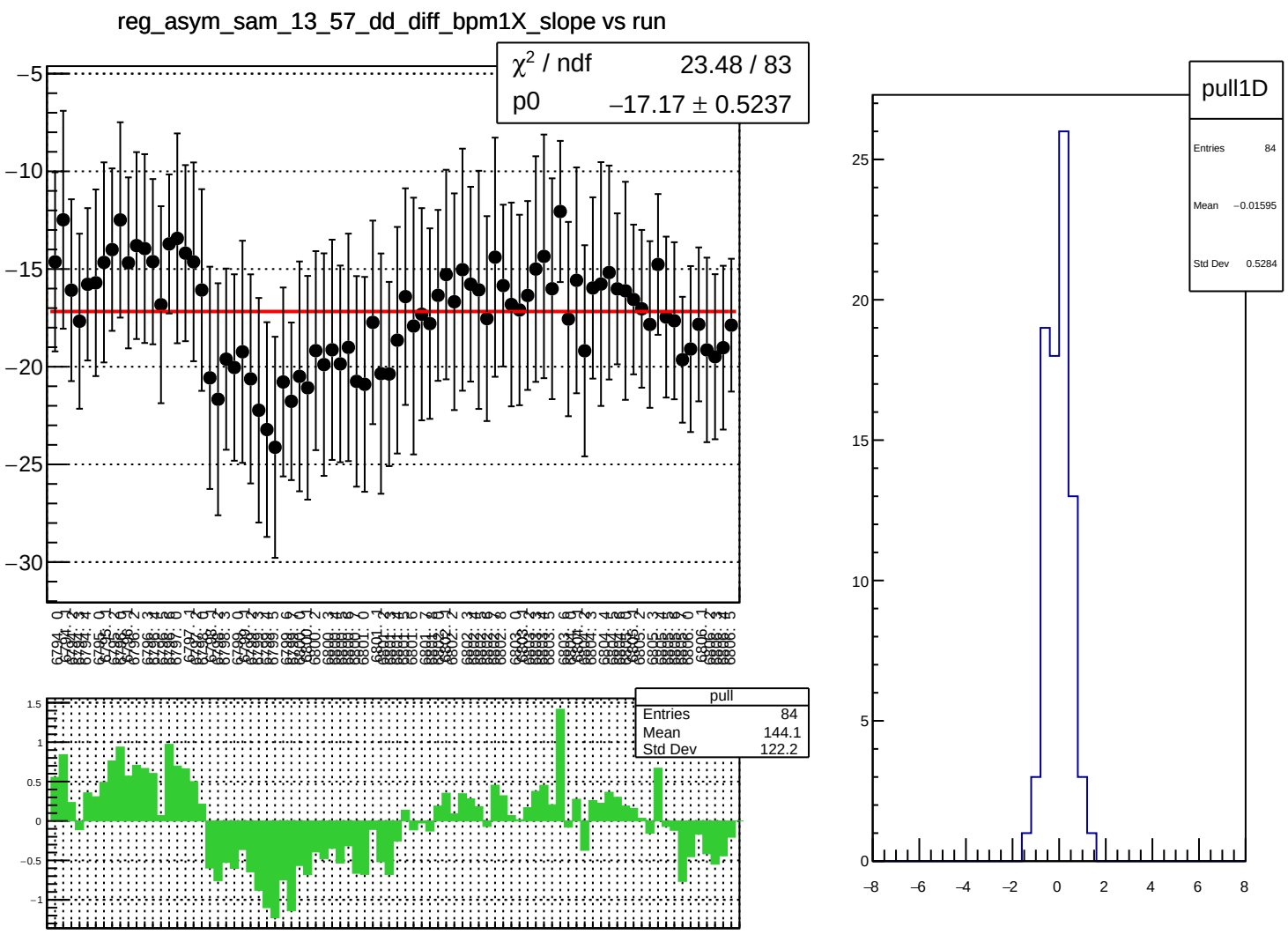

pull1D
Entries 84
Mean 0.02239
Std Dev 0.4571

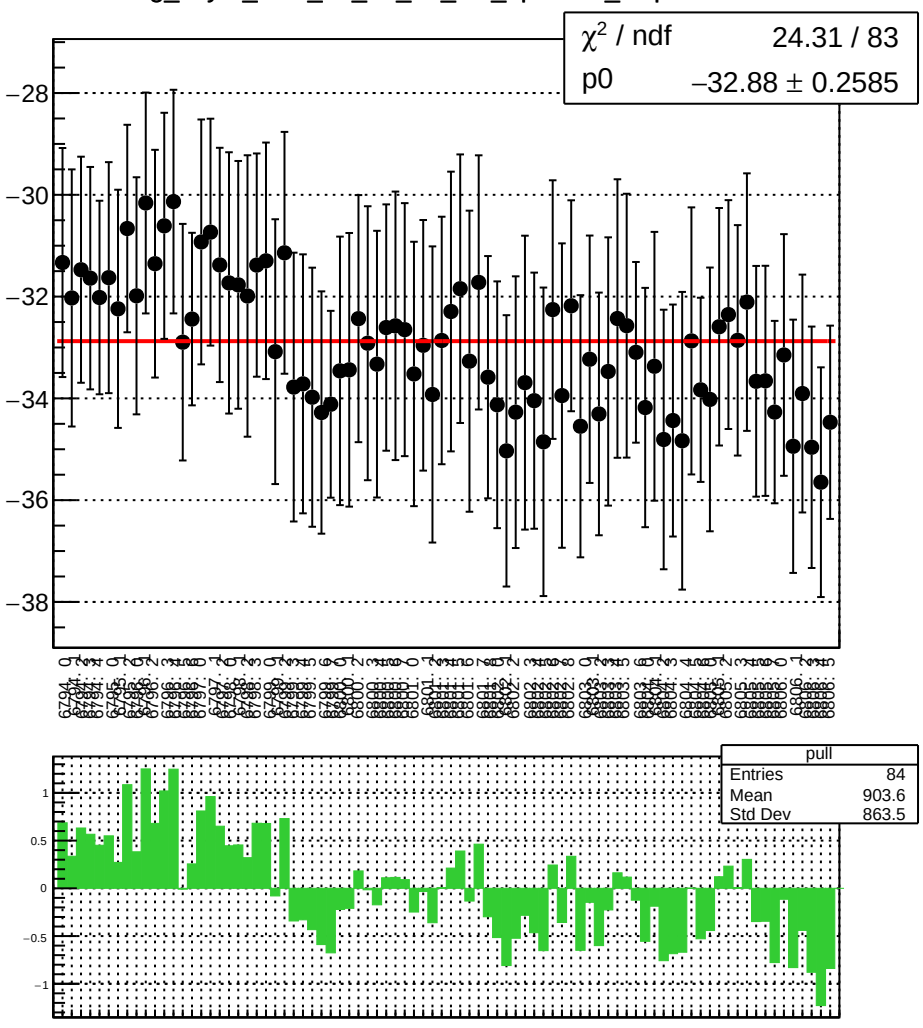

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 7.065 / 83
p0 −58.26 ± 1.144
pull
Entries 84
Mean 3984
Std Dev 3947
pull1D
Entries 84
Mean −0.0002932
Std Dev 0.29

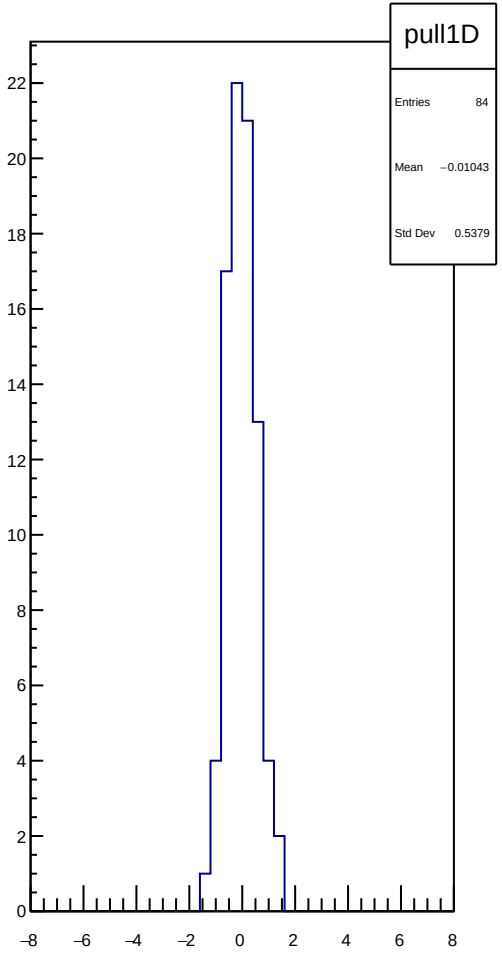

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 20.59 / 83
p0 77.76 ± 0.8345
pull
Entries 84
Mean 7.41
Std Dev 57.41

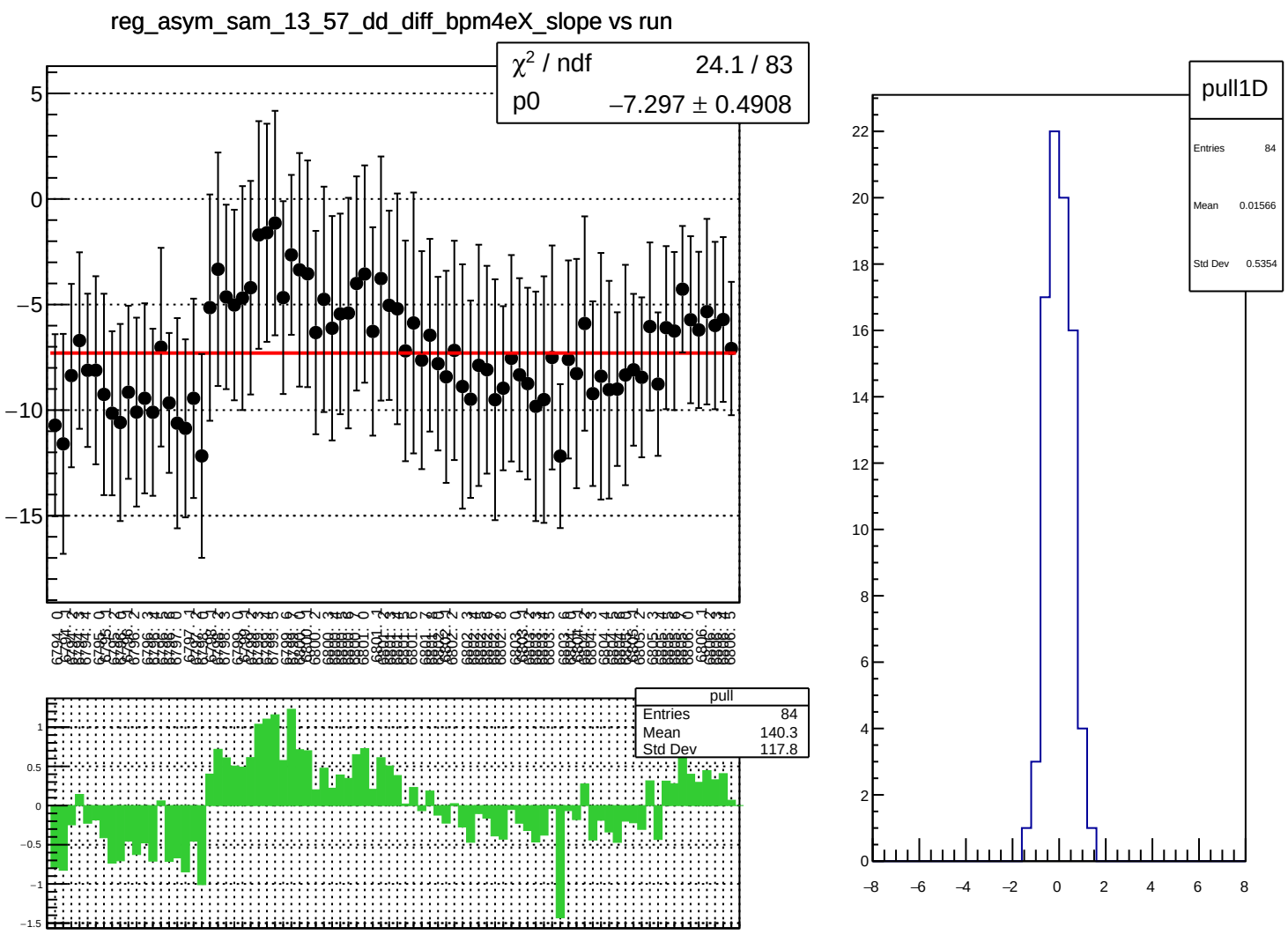

pull1D
Entries 84
Mean −0.03582
Std Dev 0.4938

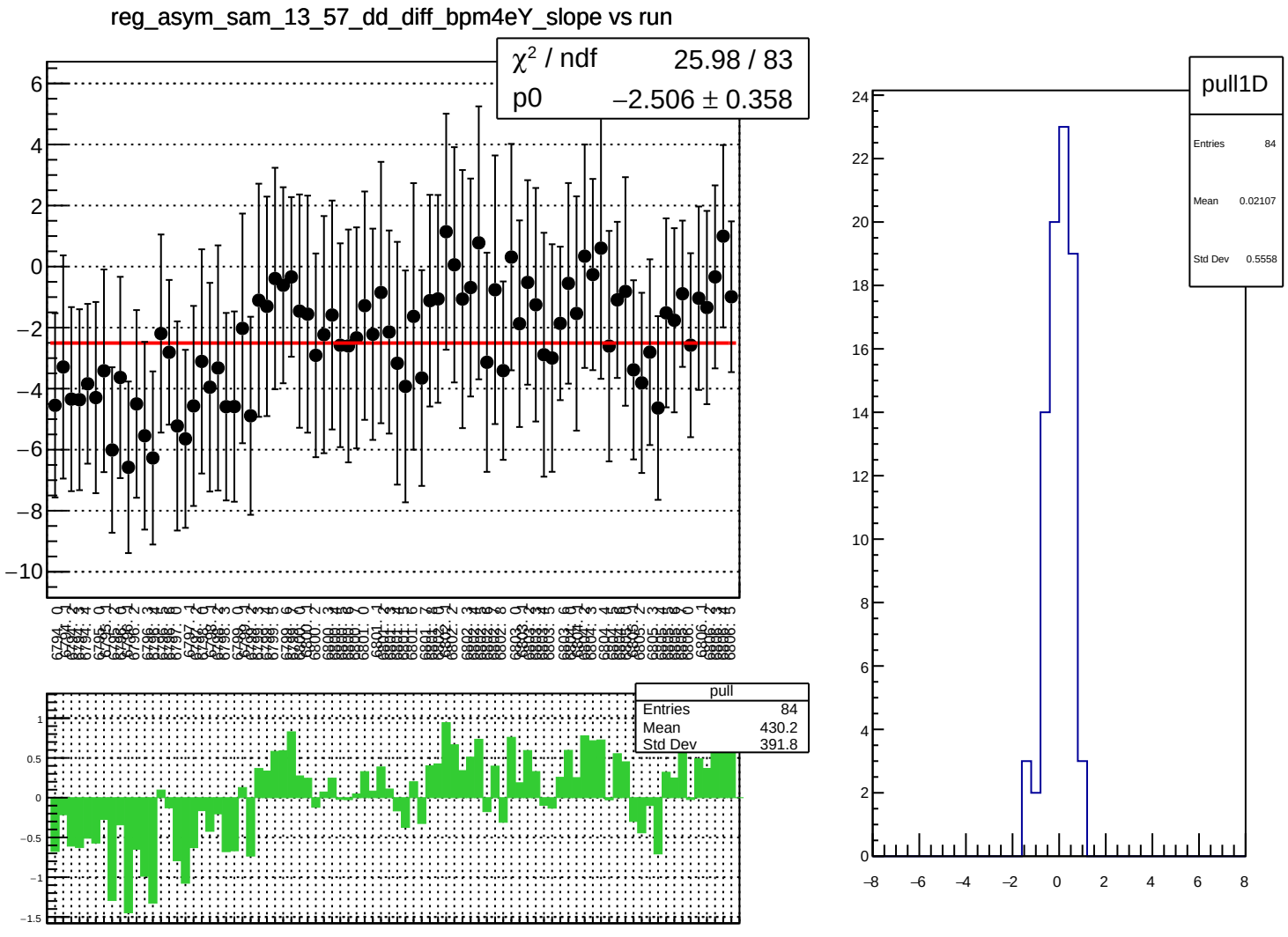

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 24.38 / 83
p0 −0.2995 ± 0.04901
pull
Entries 84
Mean −145.9
Std Dev 217.3
pull1D
Entries 84
Mean 0.01796
Std Dev 0.5384

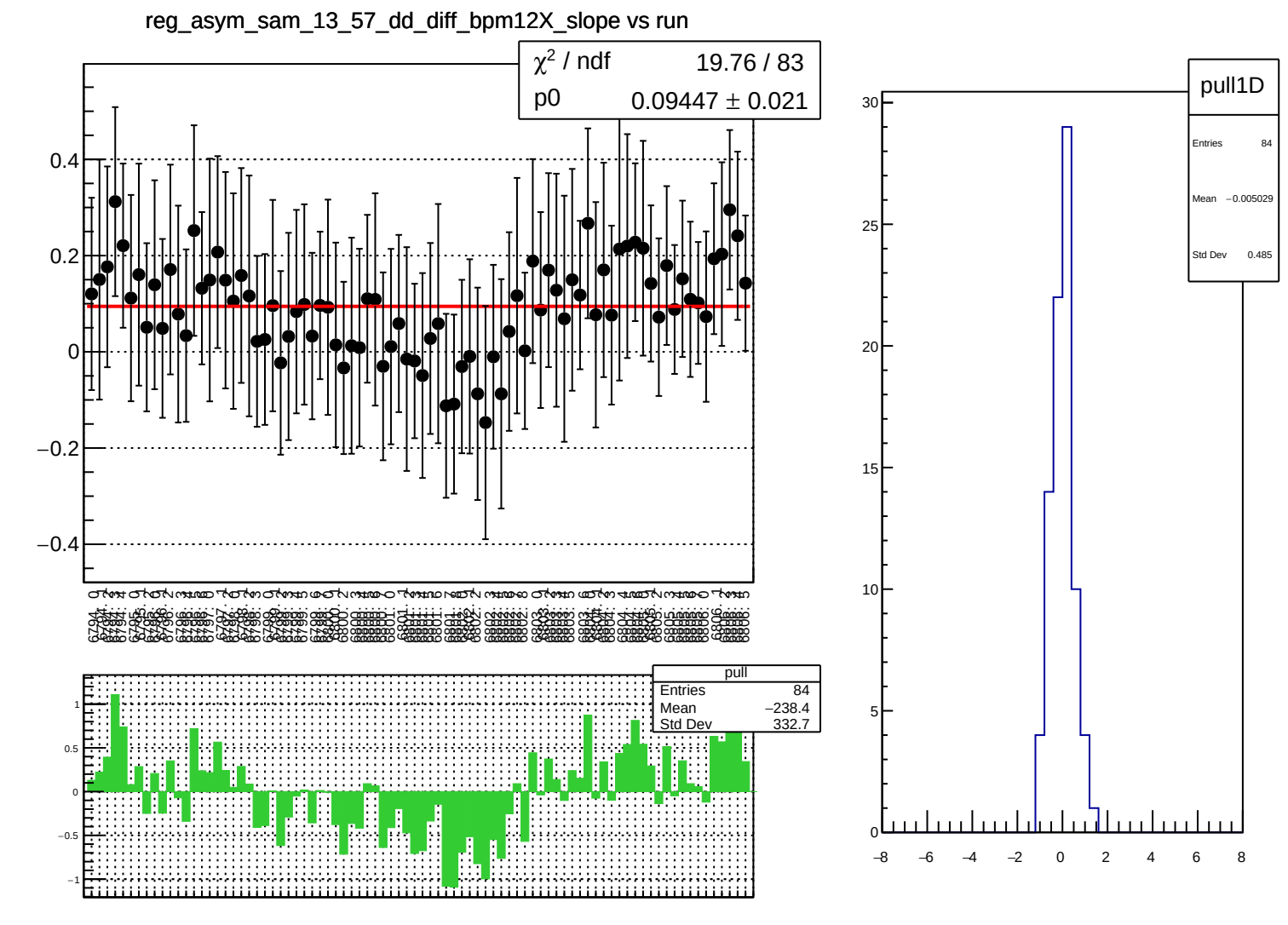

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 23.48 / 83
p0 −17.17 ± 0.5237
pull
Entries 84
Mean 144.1
Std Dev 122.2
pull1D
Entries 84
Mean −0.01595
Std Dev 0.5284

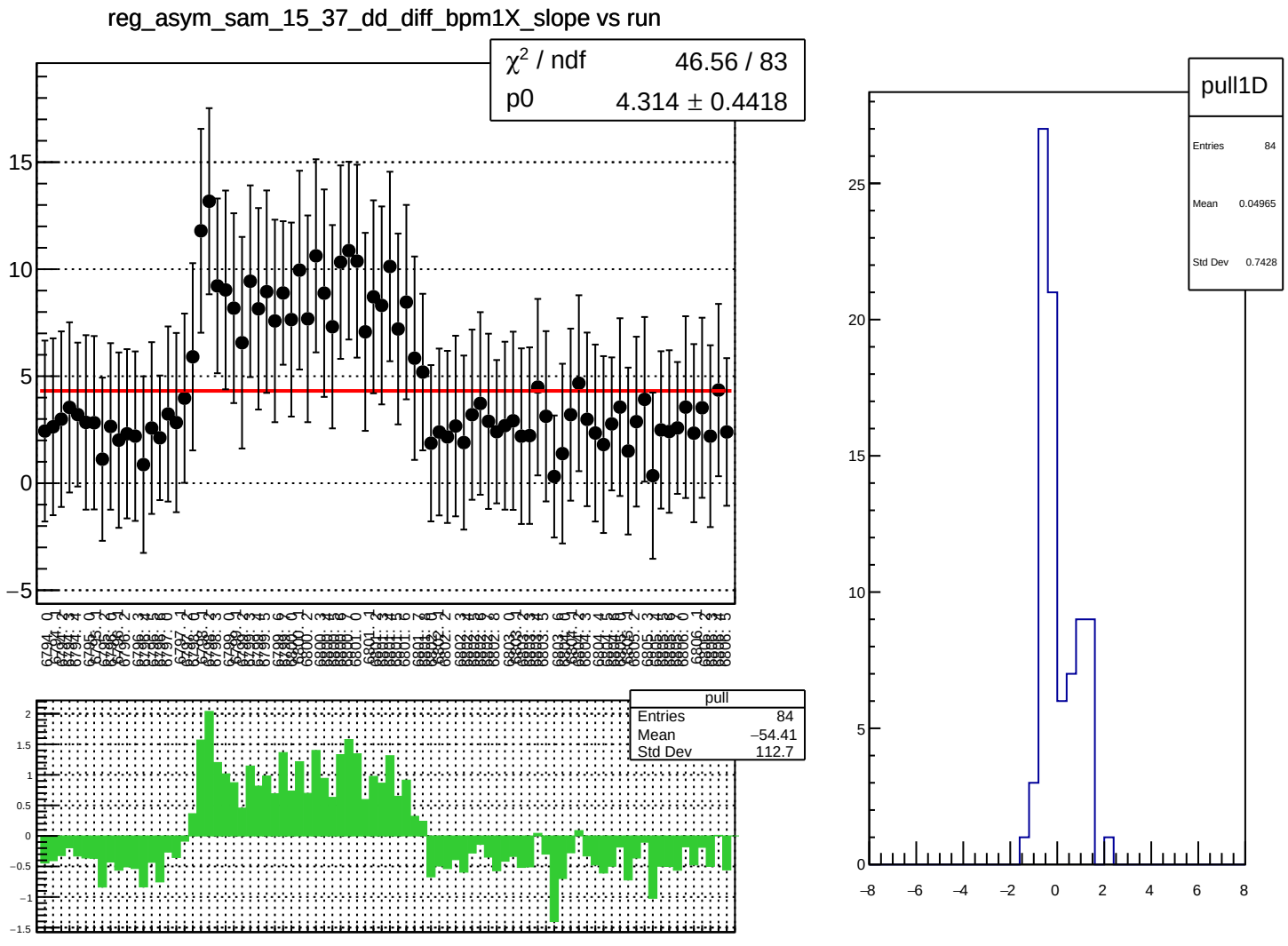

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 24.31 / 83
p0 −32.88 ± 0.2585
pull
Entries 84
Mean 903.6
Std Dev 863.5

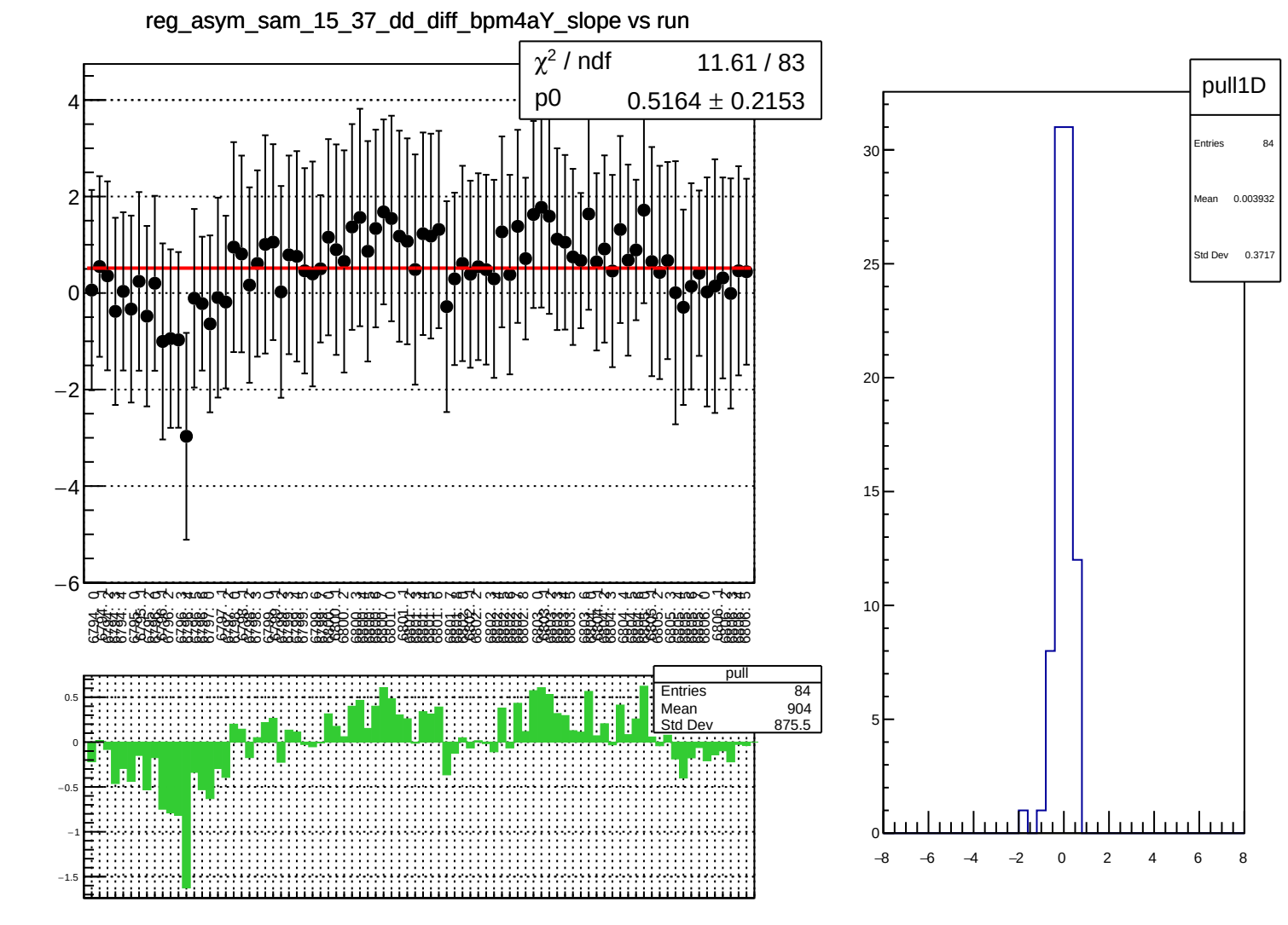

pull1D
Entries 84
Mean −0.01043
Std Dev 0.5379

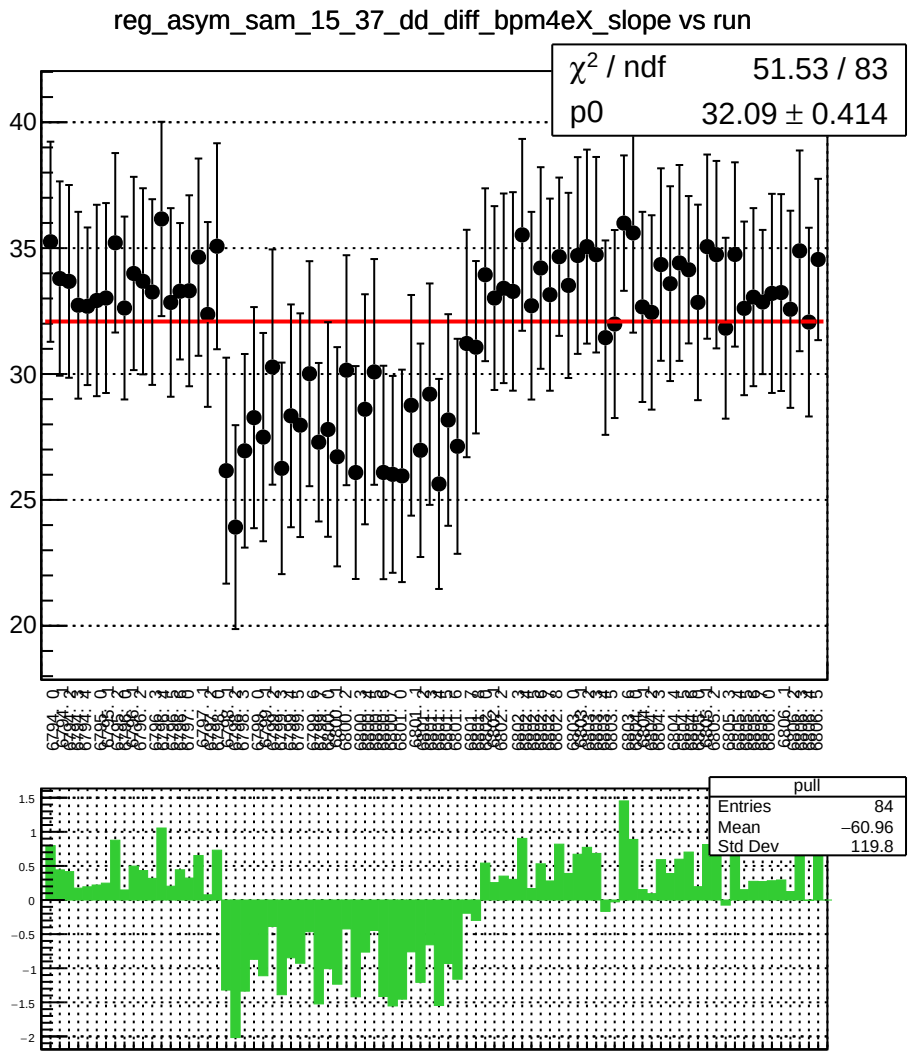

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 24.1 / 83
p0 −7.297 ± 0.4908
pull
Entries 84
Mean 140.3
Std Dev 117.8
pull1D
Entries 84
Mean 0.01566
Std Dev 0.5354

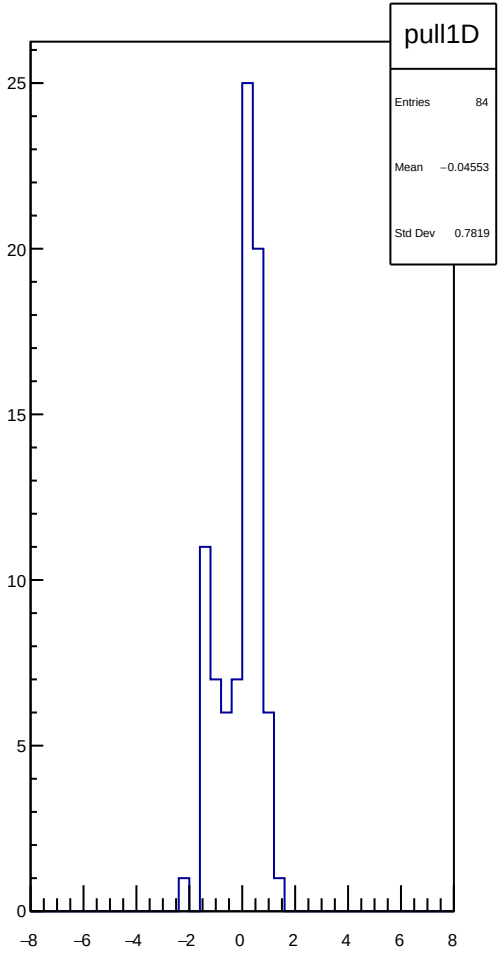

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 25.98 / 83
p0 −2.506 ± 0.358
pull
Entries 84
Mean 430.2
Std Dev 391.8
pull1D
Entries 84
Mean 0.02107
Std Dev 0.5558

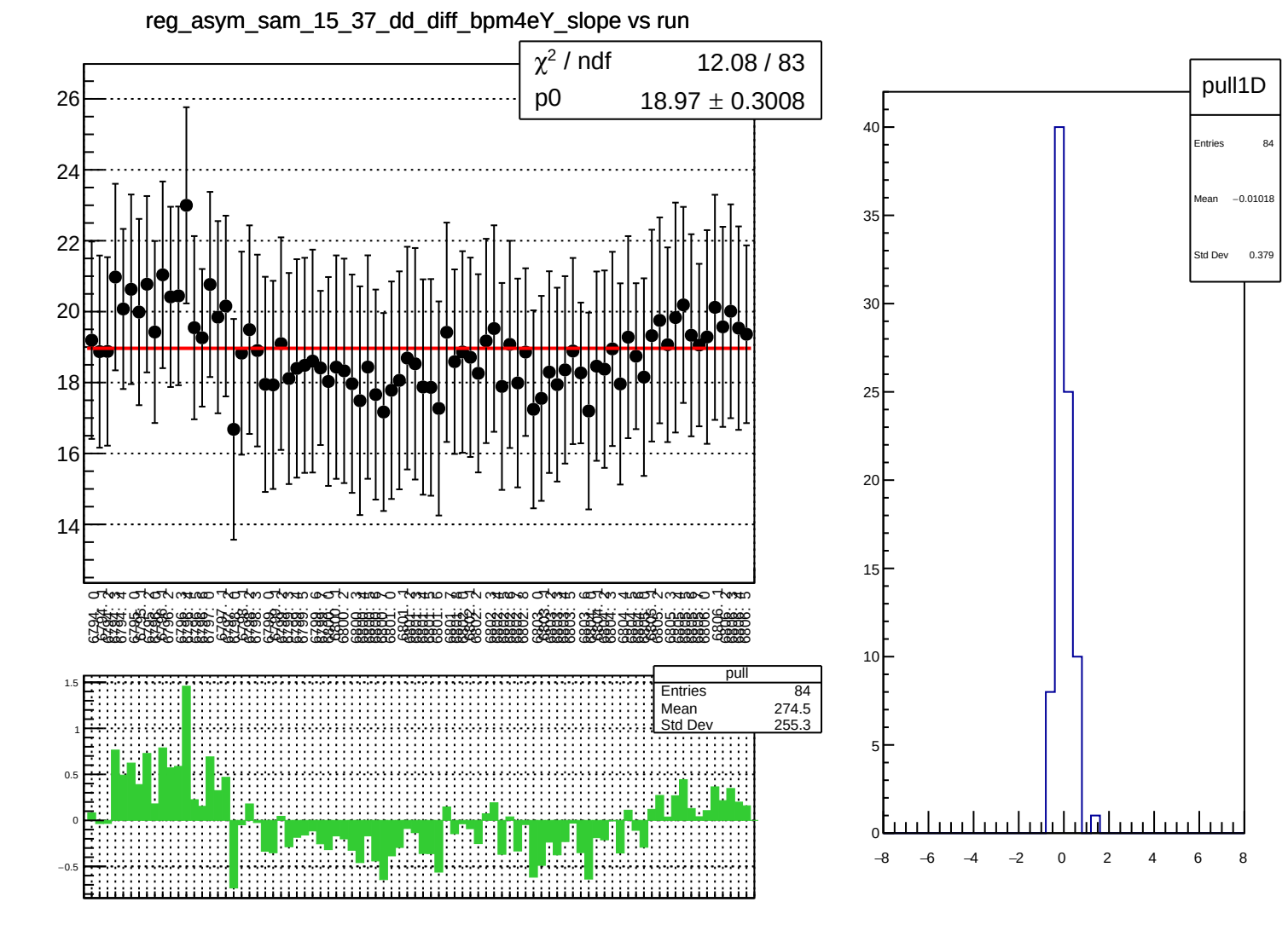

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 19.76 / 83
p0 0.09447 ± 0.021
pull
Entries 84
Mean −238.4
Std Dev 332.7
pull1D
Entries 84
Mean −0.005029
Std Dev 0.485

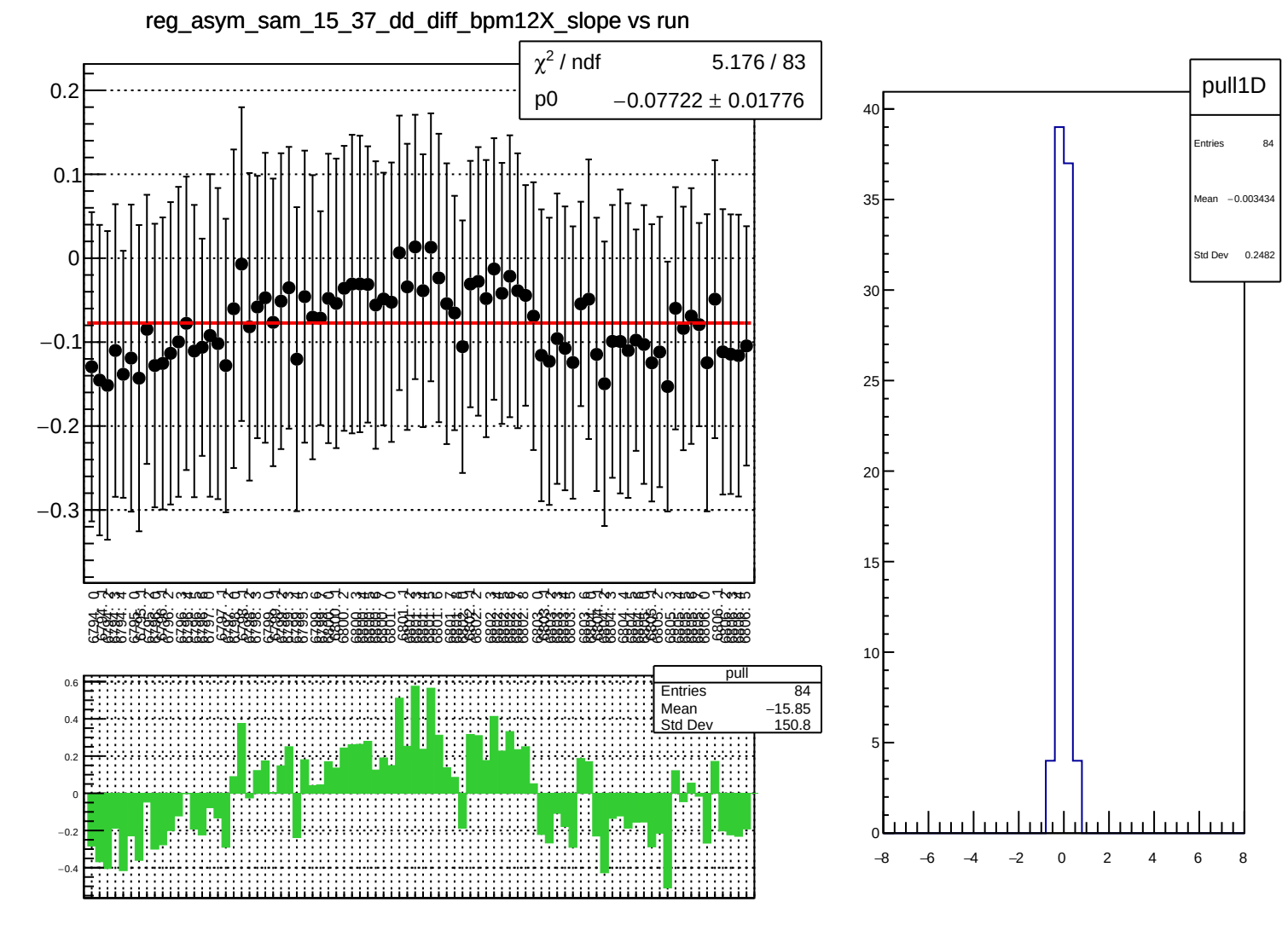

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 46.56 / 83
p0 4.314 ± 0.4418
pull
Entries 84
Mean −54.41
Std Dev 112.7
pull1D
Entries 84
Mean 0.04965
Std Dev 0.7428

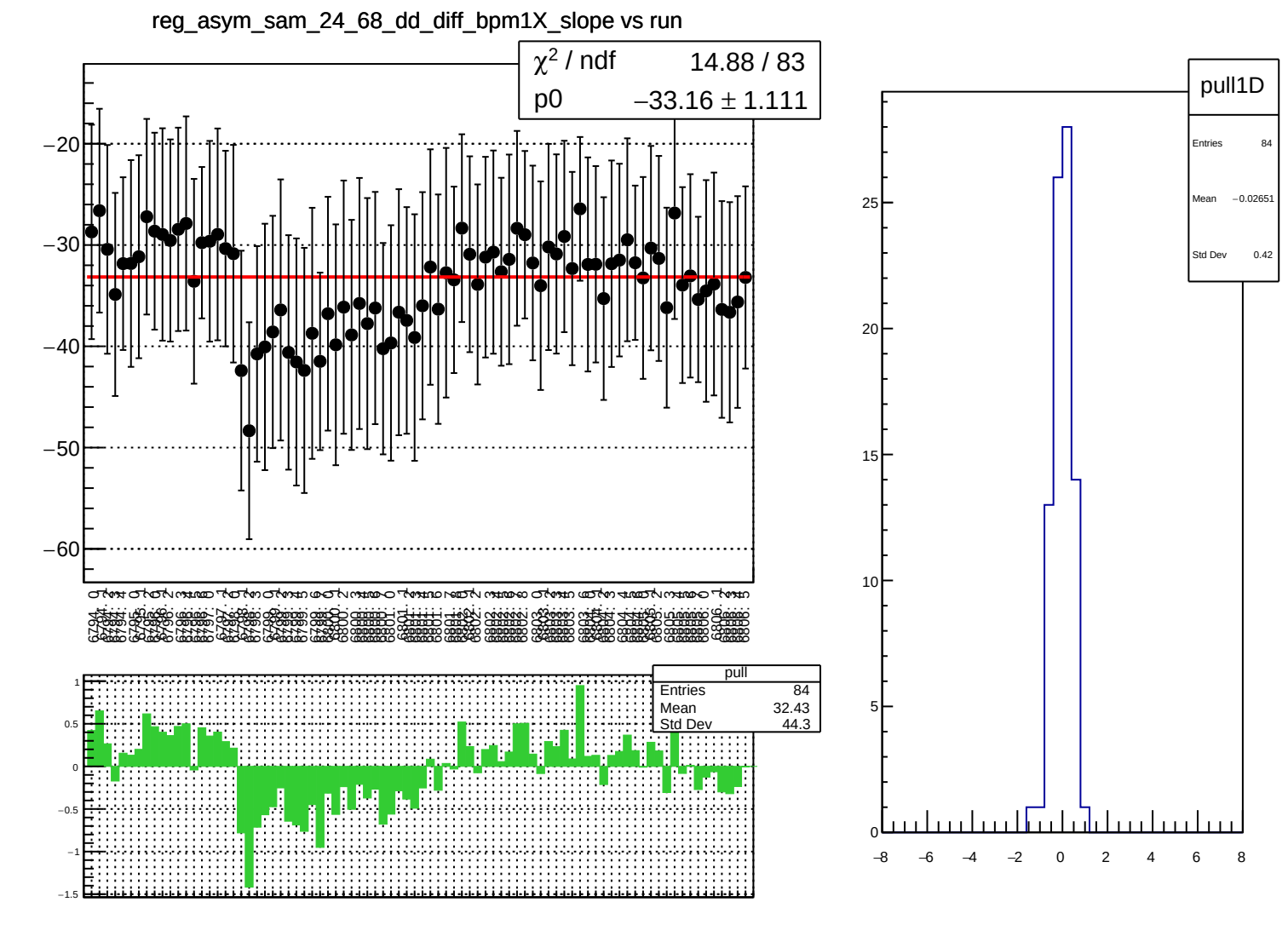

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.61 / 83
p0 0.5164 ± 0.2153
pull
Entries 84
Mean 904
Std Dev 875.5
pull1D
Entries 84
Mean 0.003932
Std Dev 0.3717

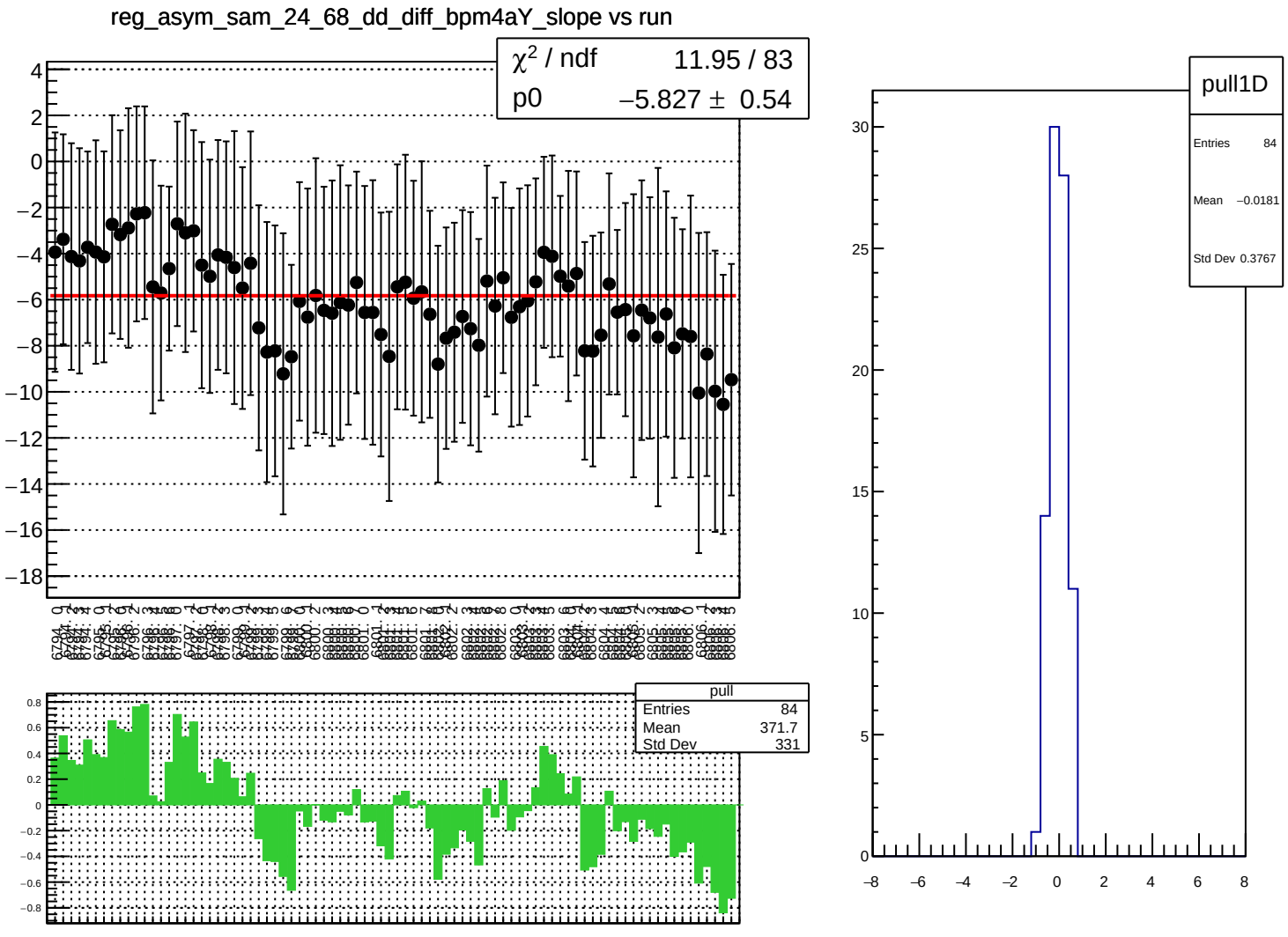

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 51.53 / 83
p0 32.09 ± 0.414
pull
Entries 84
Mean −60.96
Std Dev 119.8

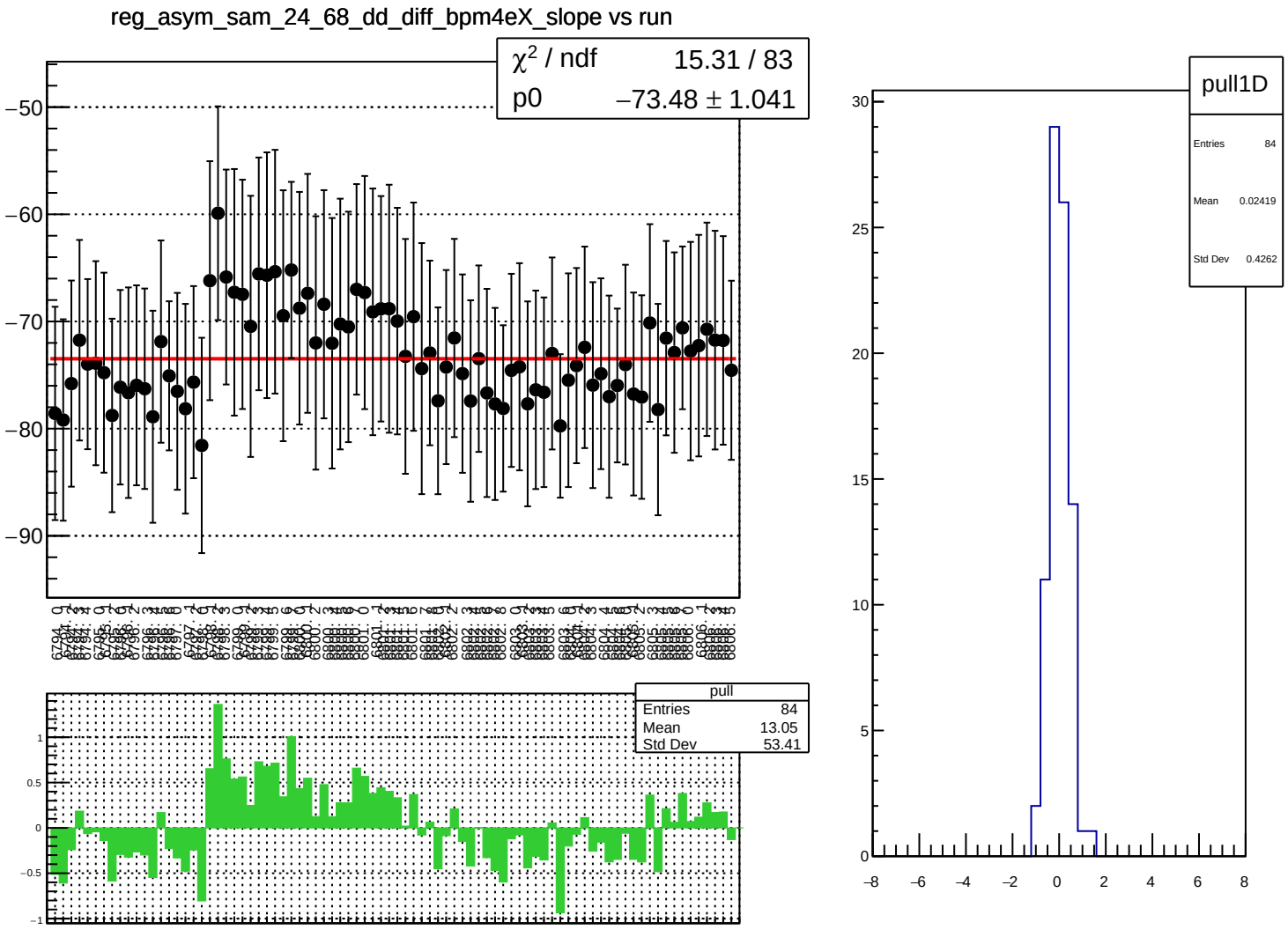

pull1D
Entries 84
Mean −0.04553
Std Dev 0.7819

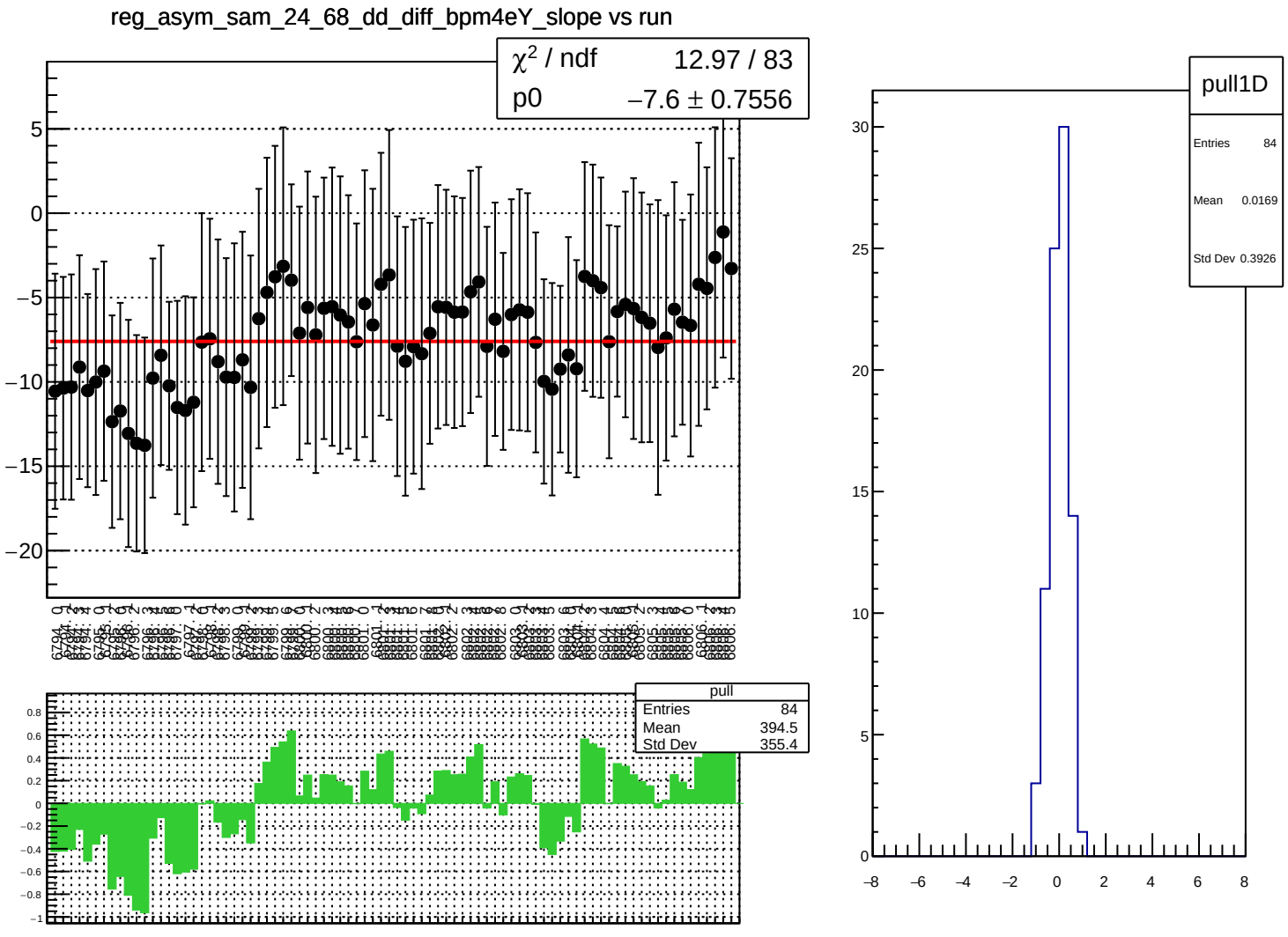

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.08 / 83
p0 18.97 ± 0.3008
pull
Entries 84
Mean 274.5
Std Dev 255.3
pull1D
Entries 84
Mean −0.01018
Std Dev 0.379

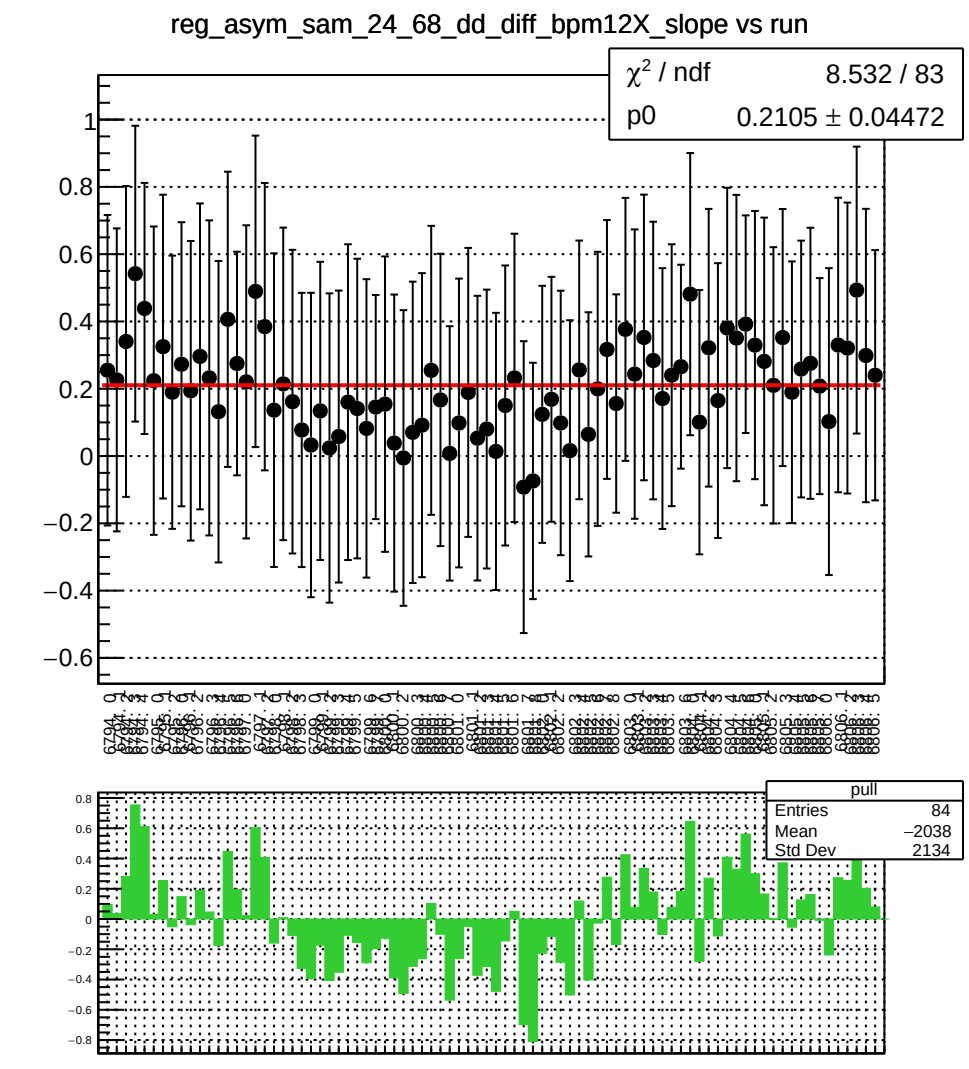

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 5.176 / 83
p0 −0.07722 ± 0.01776
pull
Entries 84
Mean −15.85
Std Dev 150.8
pull1D
Entries 84
Mean −0.003434
Std Dev 0.2482

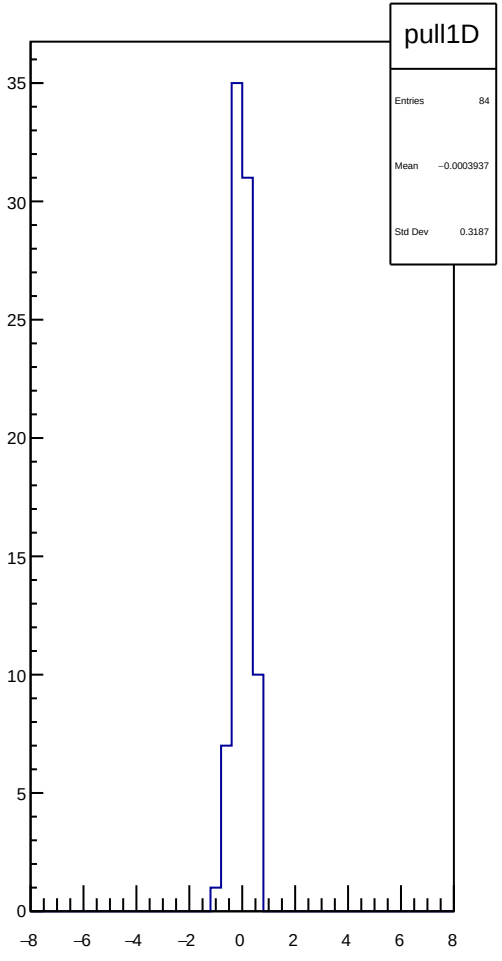

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 14.88 / 83
p0 −33.16 ± 1.111
pull
Entries 84
Mean 32.43
Std Dev 44.3
pull1D
Entries 84
Mean −0.02651
Std Dev 0.42

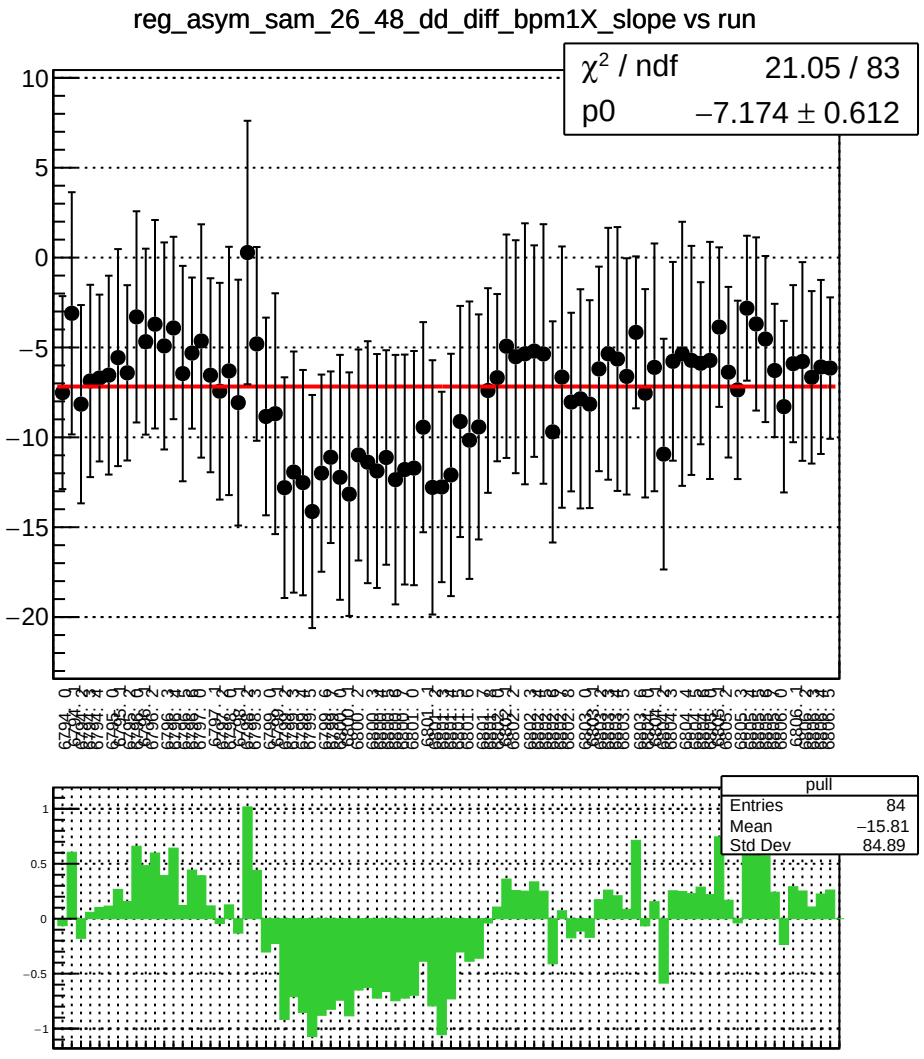

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.95 / 83
p0 −5.827 ± 0.54
pull
Entries 84
Mean 371.7
Std Dev 331
pull1D
Entries 84
Mean −0.0181
Std Dev 0.3767

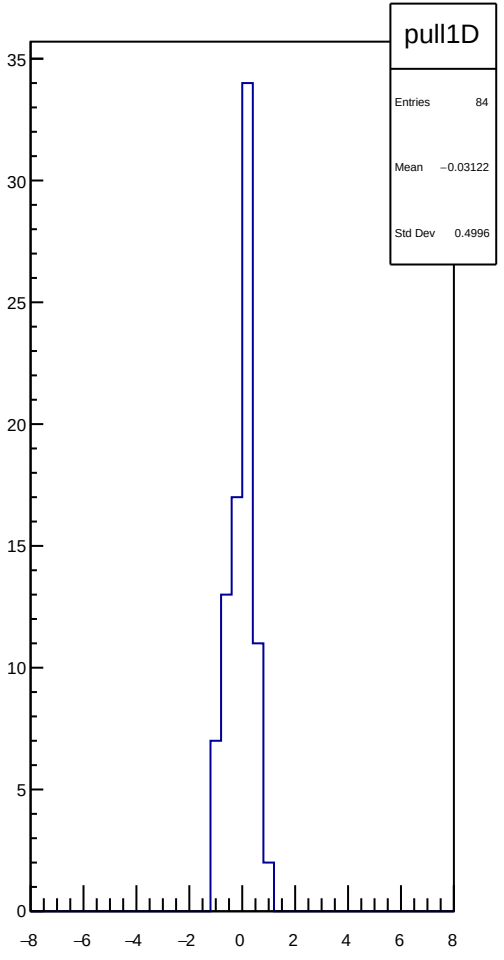

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 15.31 / 83
p0 −73.48 ± 1.041
pull
Entries 84
Mean 13.05
Std Dev 53.41
pull1D
Entries 84
Mean 0.02419
Std Dev 0.4262

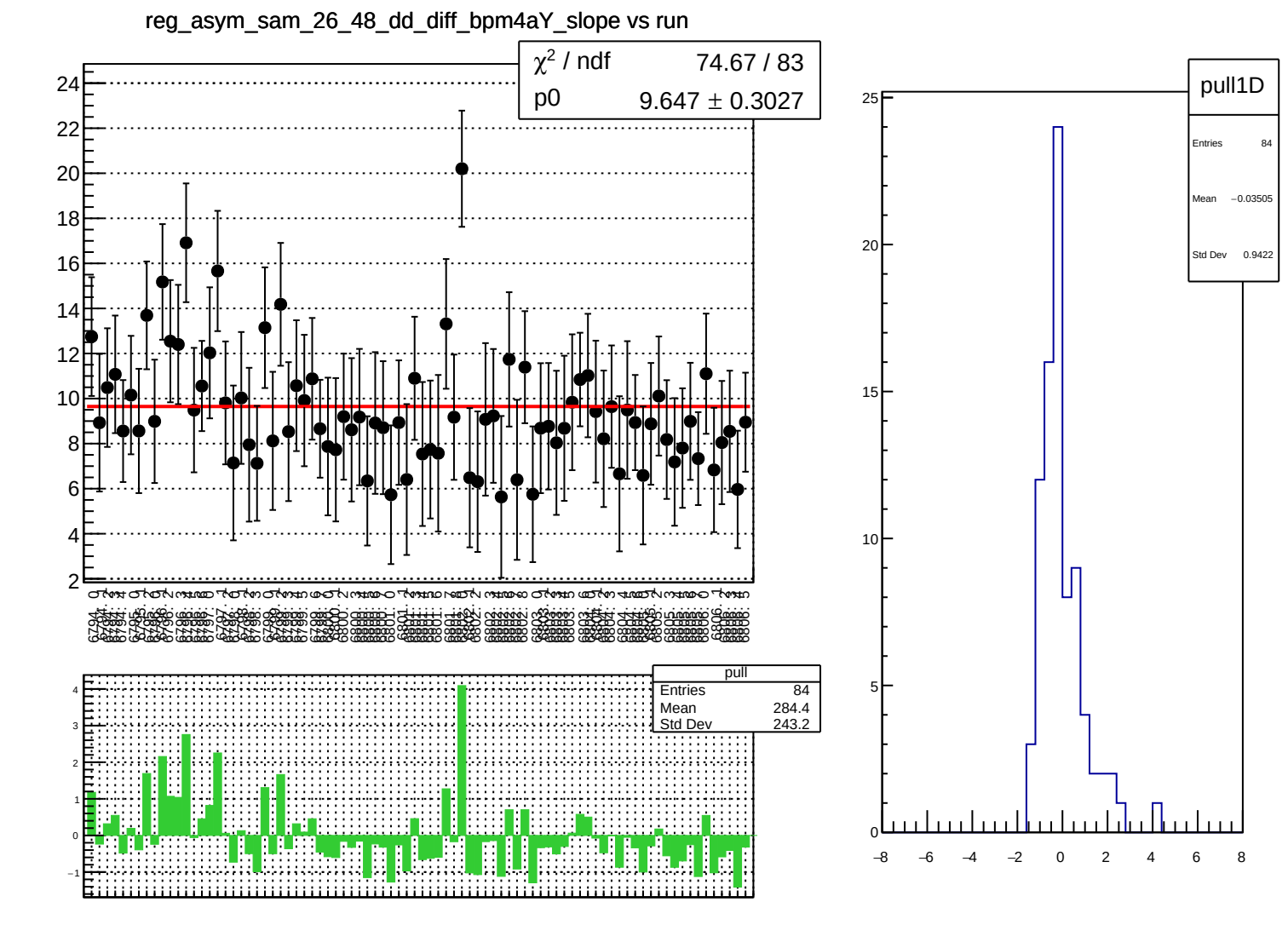

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.97 / 83
p0 −7.6 ± 0.7556
pull
Entries 84
Mean 394.5
Std Dev 355.4
pull1D
Entries 84
Mean 0.0169
Std Dev 0.3926

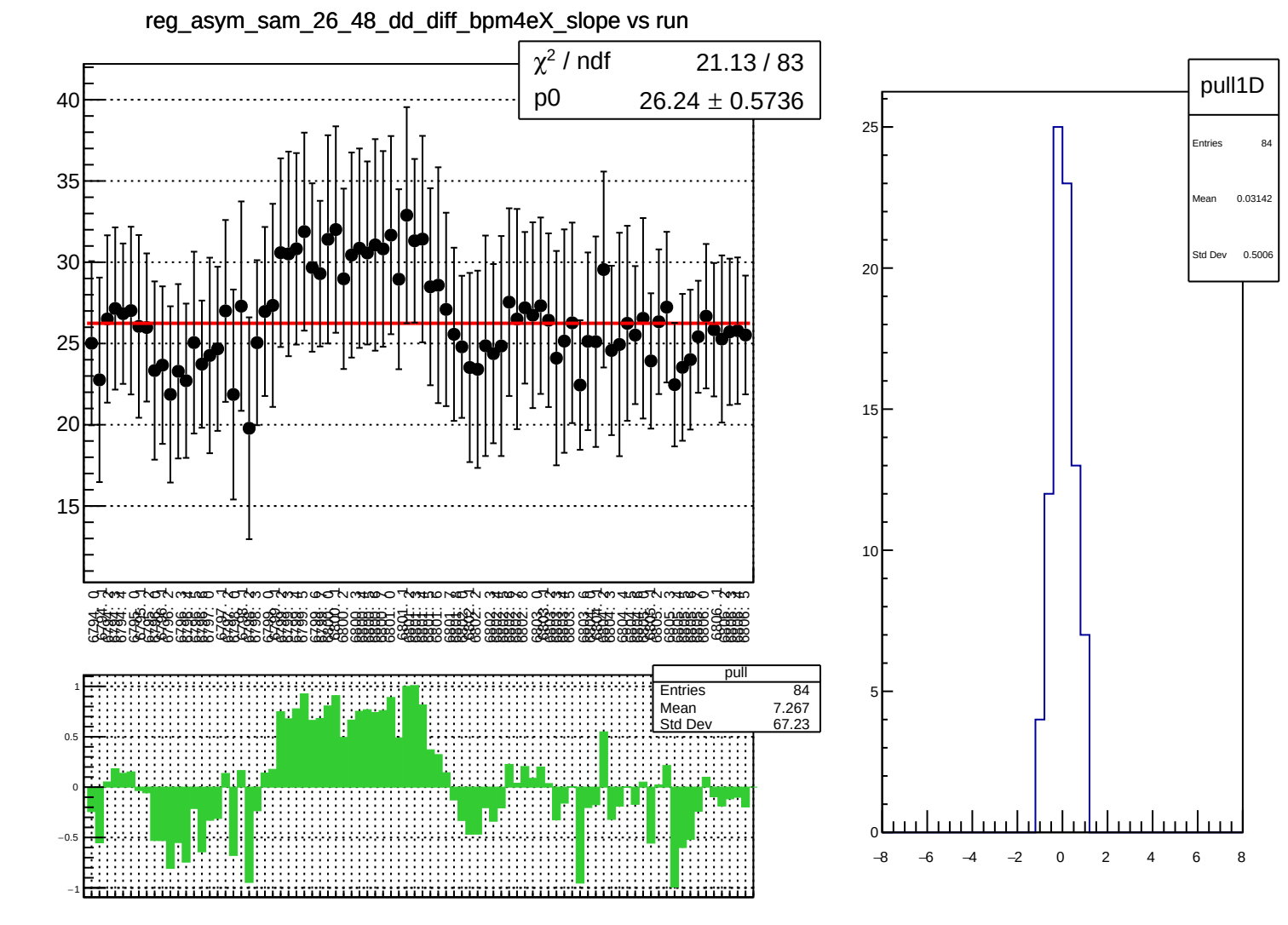

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 8.532 / 83
p0 0.2105 ± 0.04472
pull
Entries 84
Mean −2038
Std Dev 2134

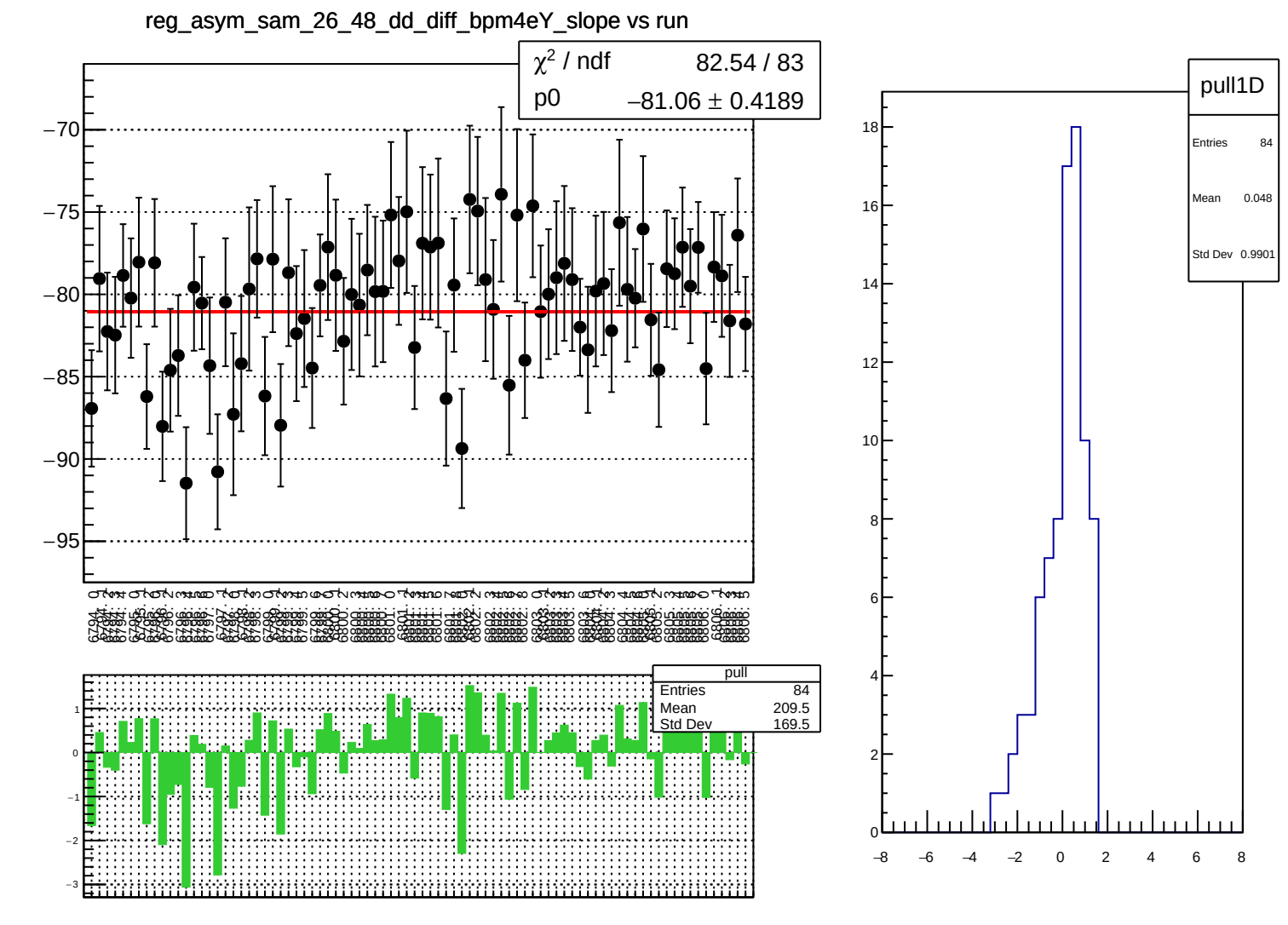

pull1D
Entries 84
Mean −0.0003937
Std Dev 0.3187

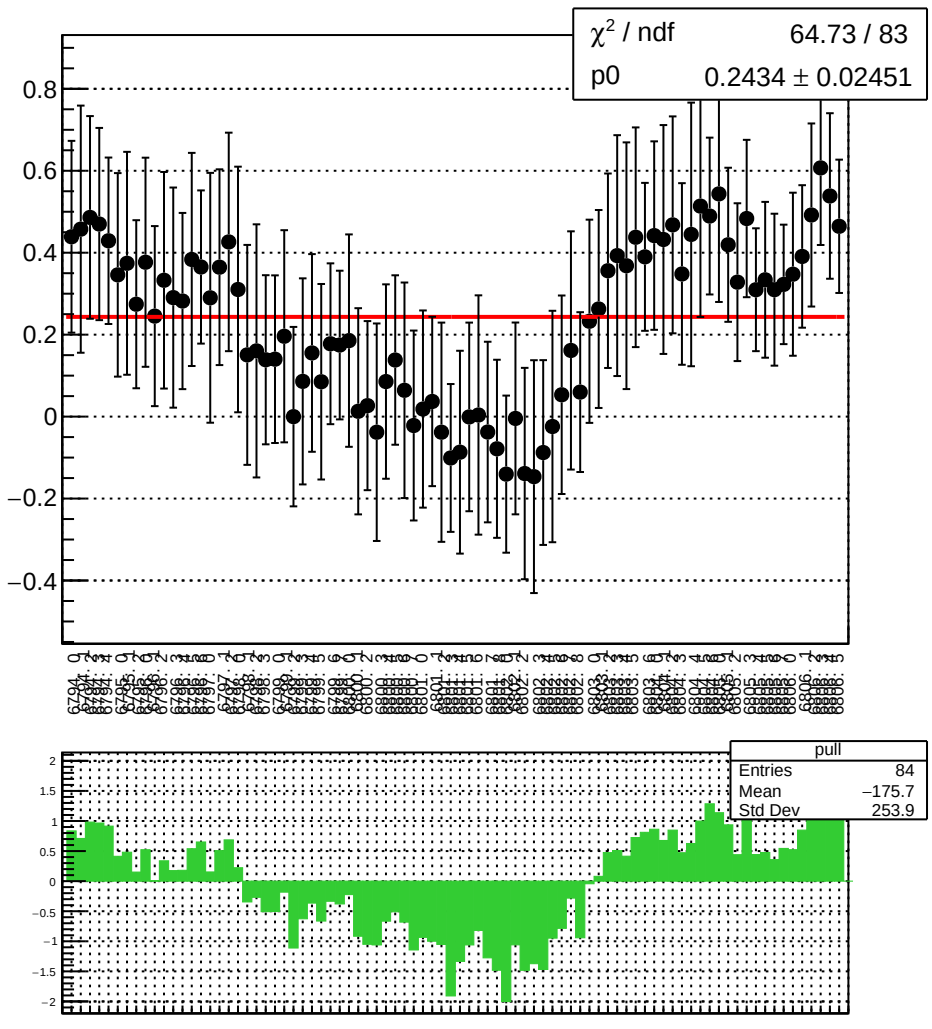

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 21.05 / 83
p0 −7.174 ± 0.612
pull
Entries 84
Mean −15.81
Std Dev 84.89

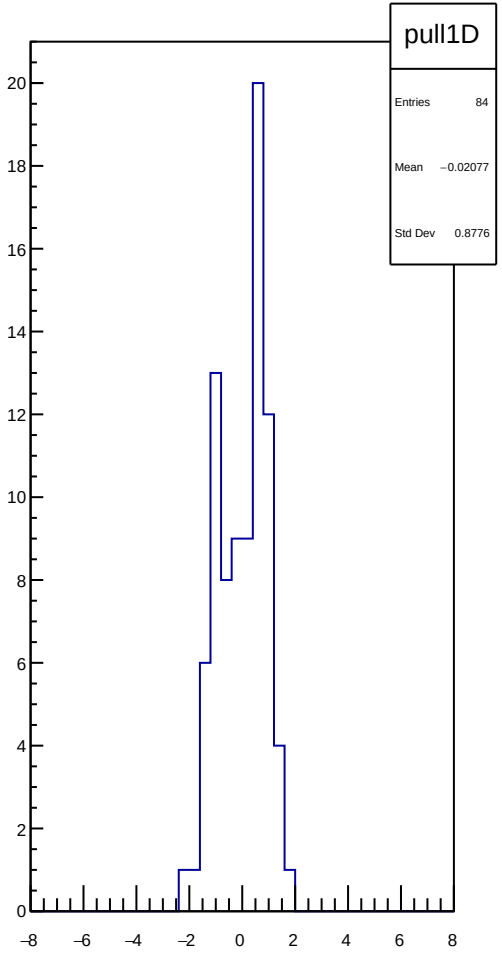

pull1D
Entries 84
Mean −0.03122
Std Dev 0.4996

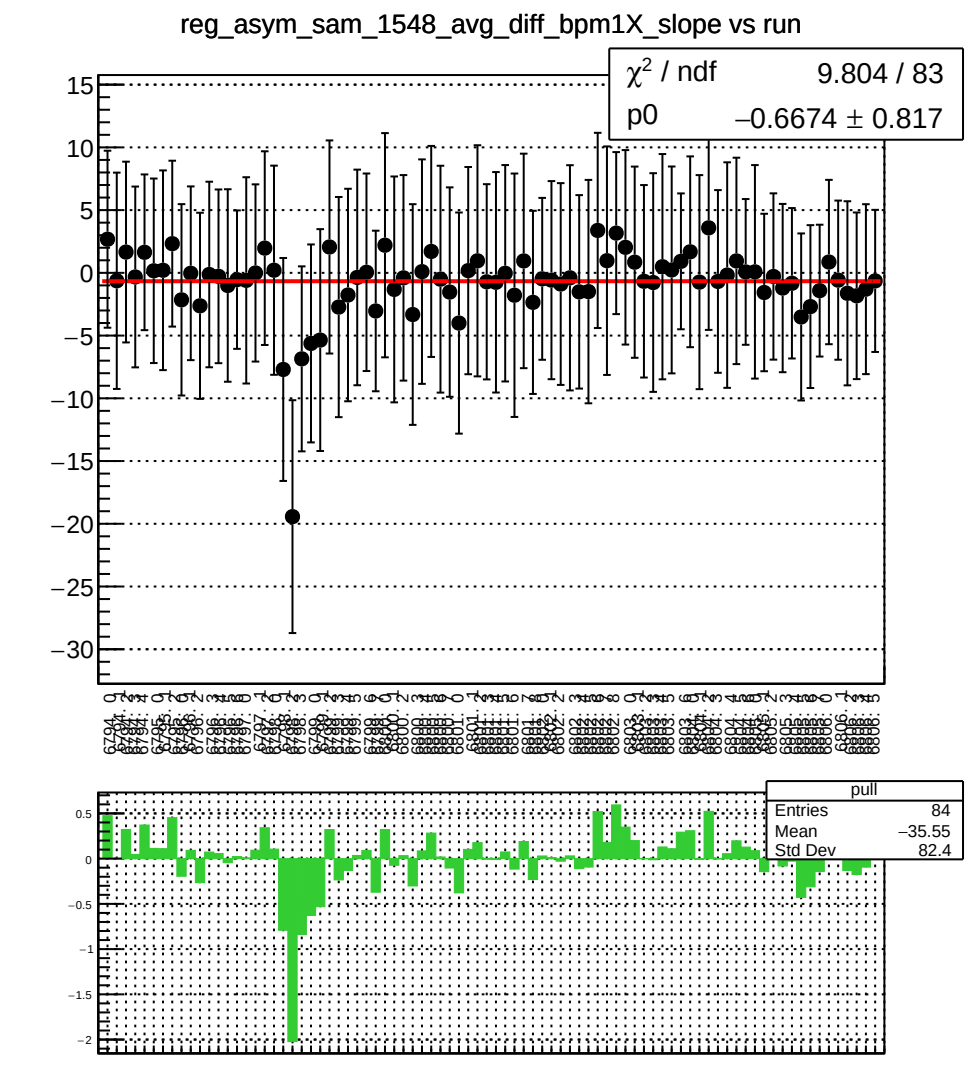

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 74.67 / 83
p0 9.647 ± 0.3027
pull
Entries 84
Mean 284.4
Std Dev 243.2
pull1D
Entries 84
Mean −0.03505
Std Dev 0.9422

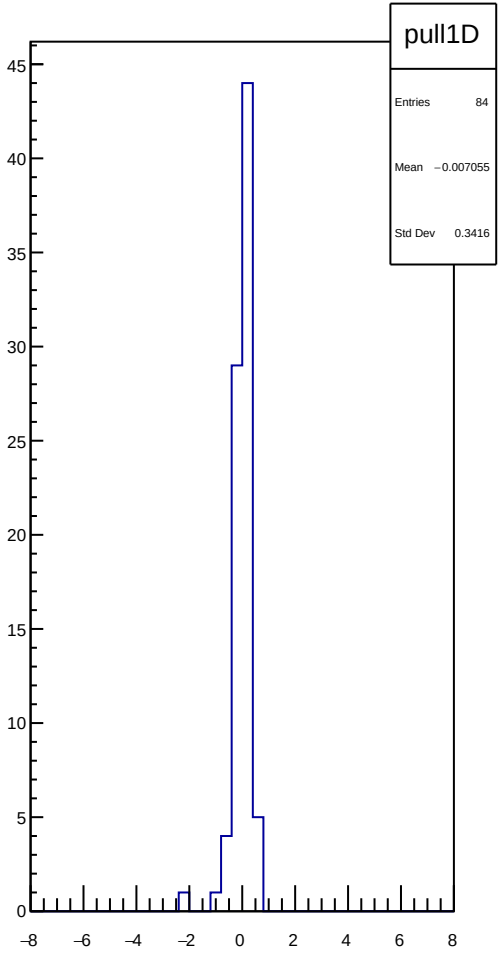

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 21.13 / 83
p0 26.24 ± 0.5736
pull
Entries 84
Mean 7.267
Std Dev 67.23
pull1D
Entries 84
Mean 0.03142
Std Dev 0.5006

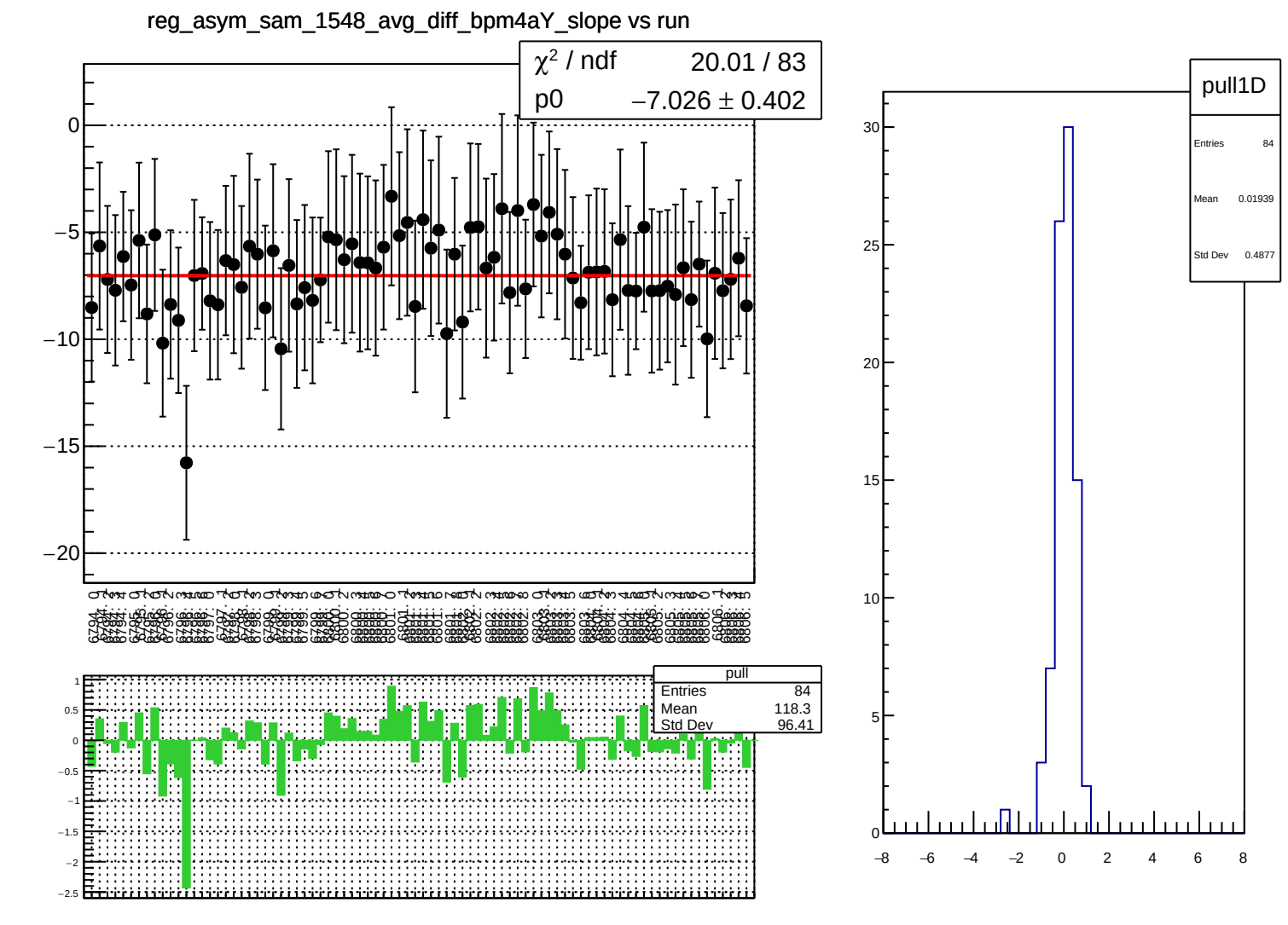

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 82.54 / 83
p0 −81.06 ± 0.4189
pull
Entries 84
Mean 209.5
Std Dev 169.5
pull1D
Entries 84
Mean 0.048
Std Dev 0.9901

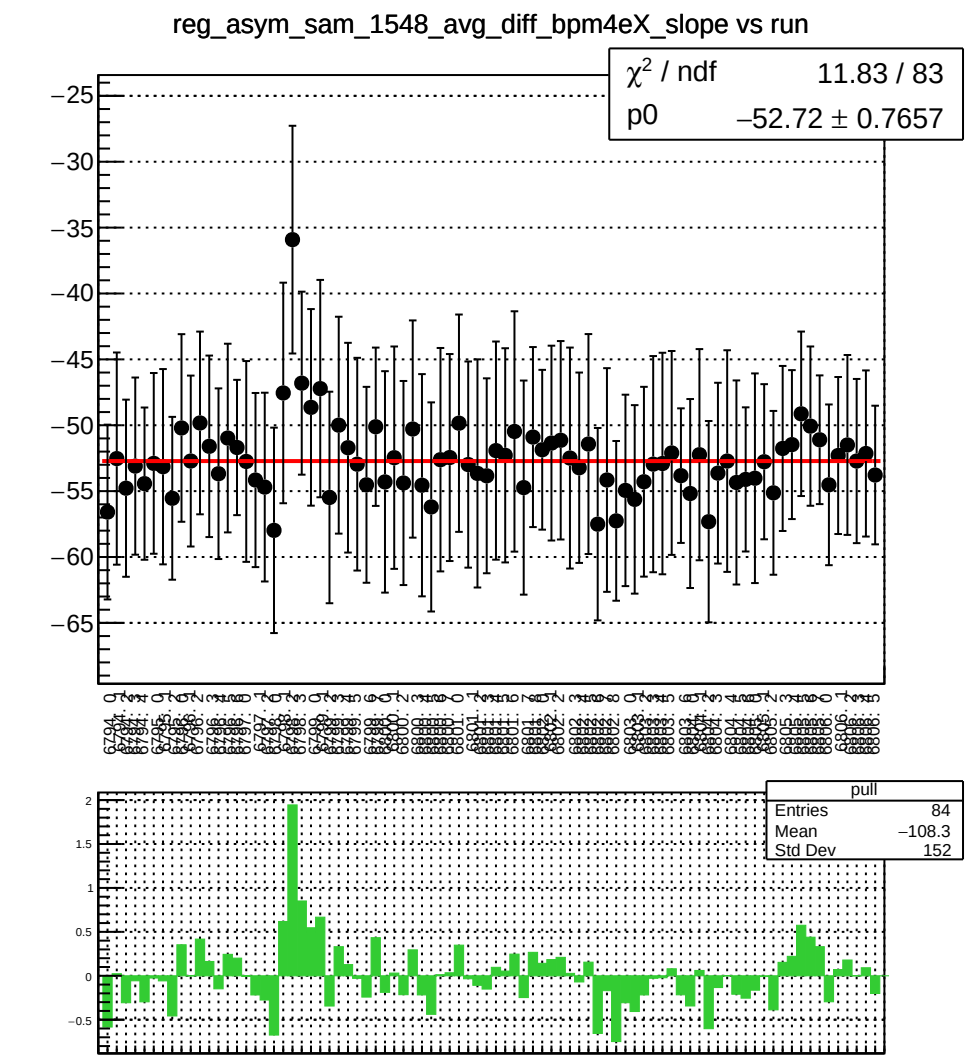

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 64.73 / 83
p0 0.2434 ± 0.02451
pull
Entries 84
Mean −175.7
Std Dev 253.9

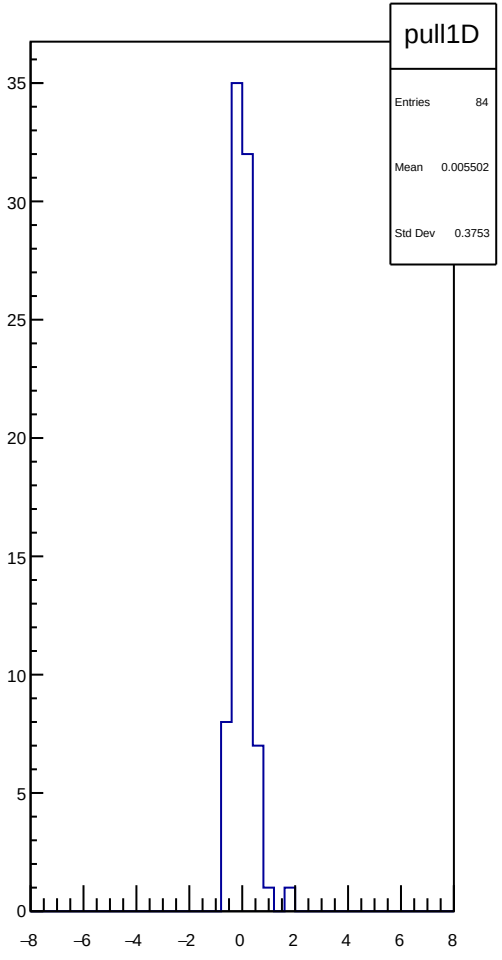

pull1D
Entries 84
Mean −0.02077
Std Dev 0.8776

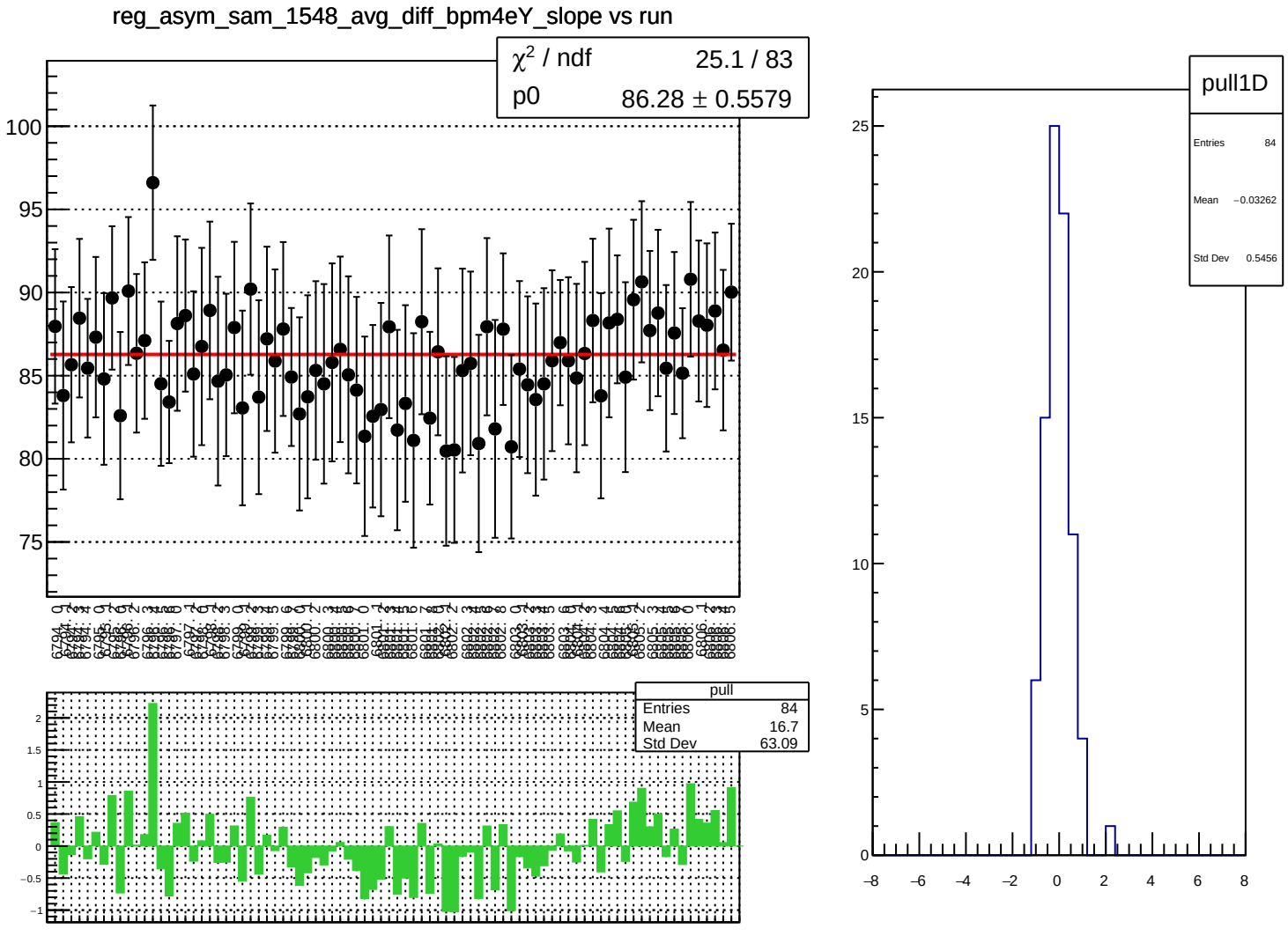

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 9.804 / 83
p0 −0.6674 ± 0.817
pull
Entries 84
Mean −35.55
Std Dev 82.4

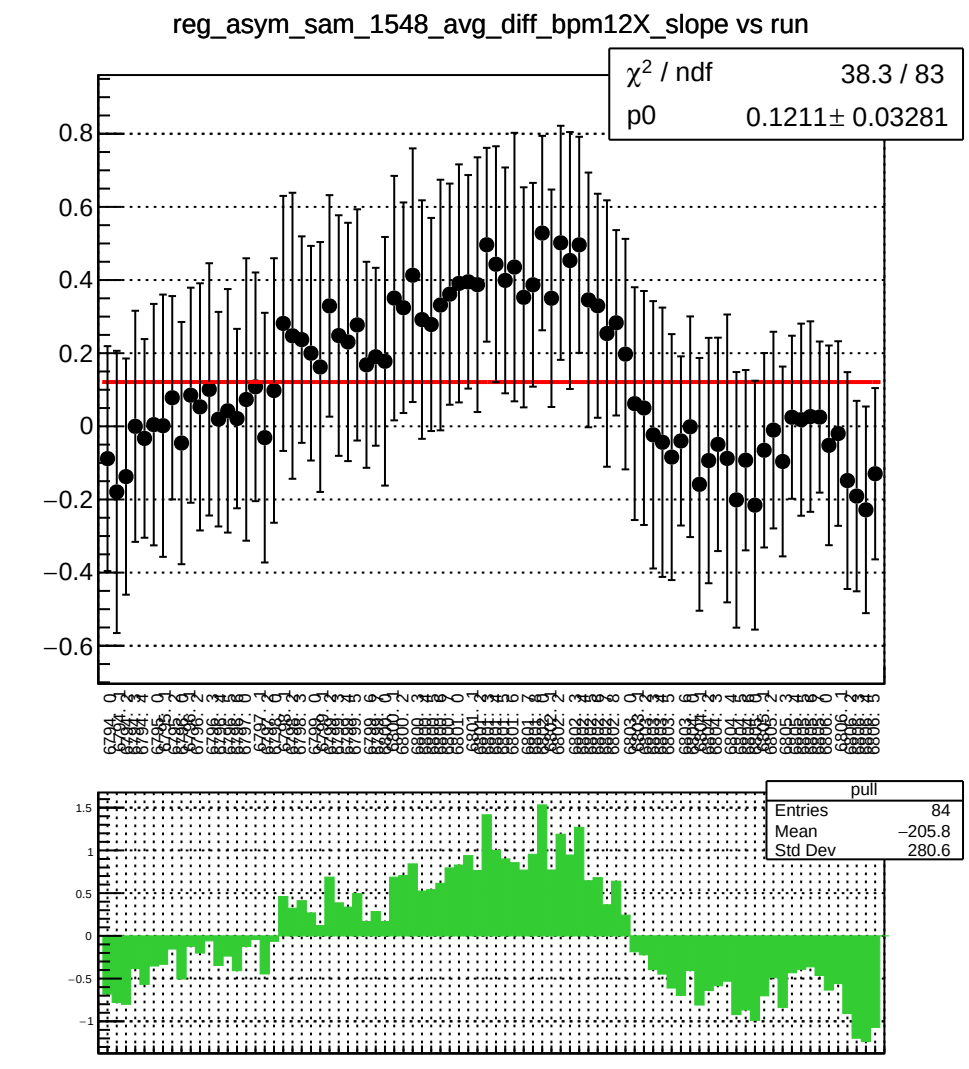

pull1D
Entries 84
Mean −0.007055
Std Dev 0.3416

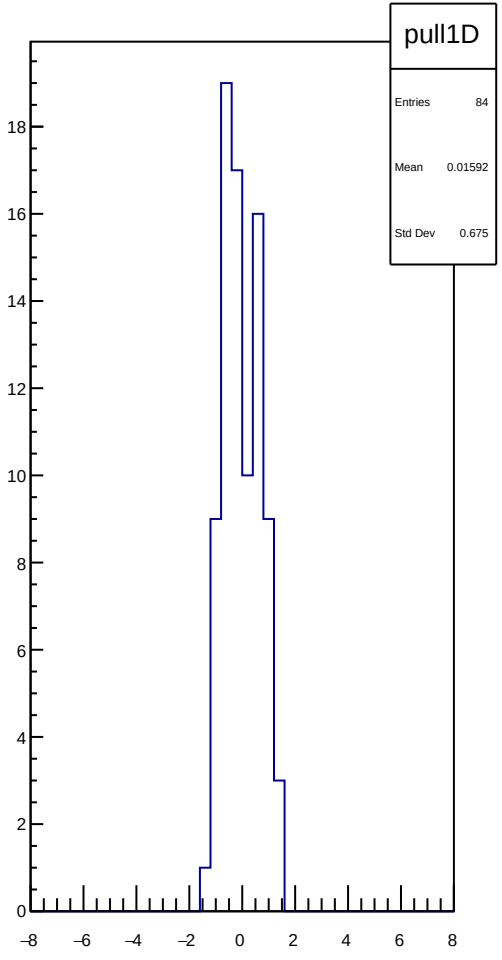

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 20.01 / 83
p0 −7.026 ± 0.402
pull
Entries 84
Mean 118.3
Std Dev 96.41
pull1D
Entries 84
Mean 0.01939
Std Dev 0.4877

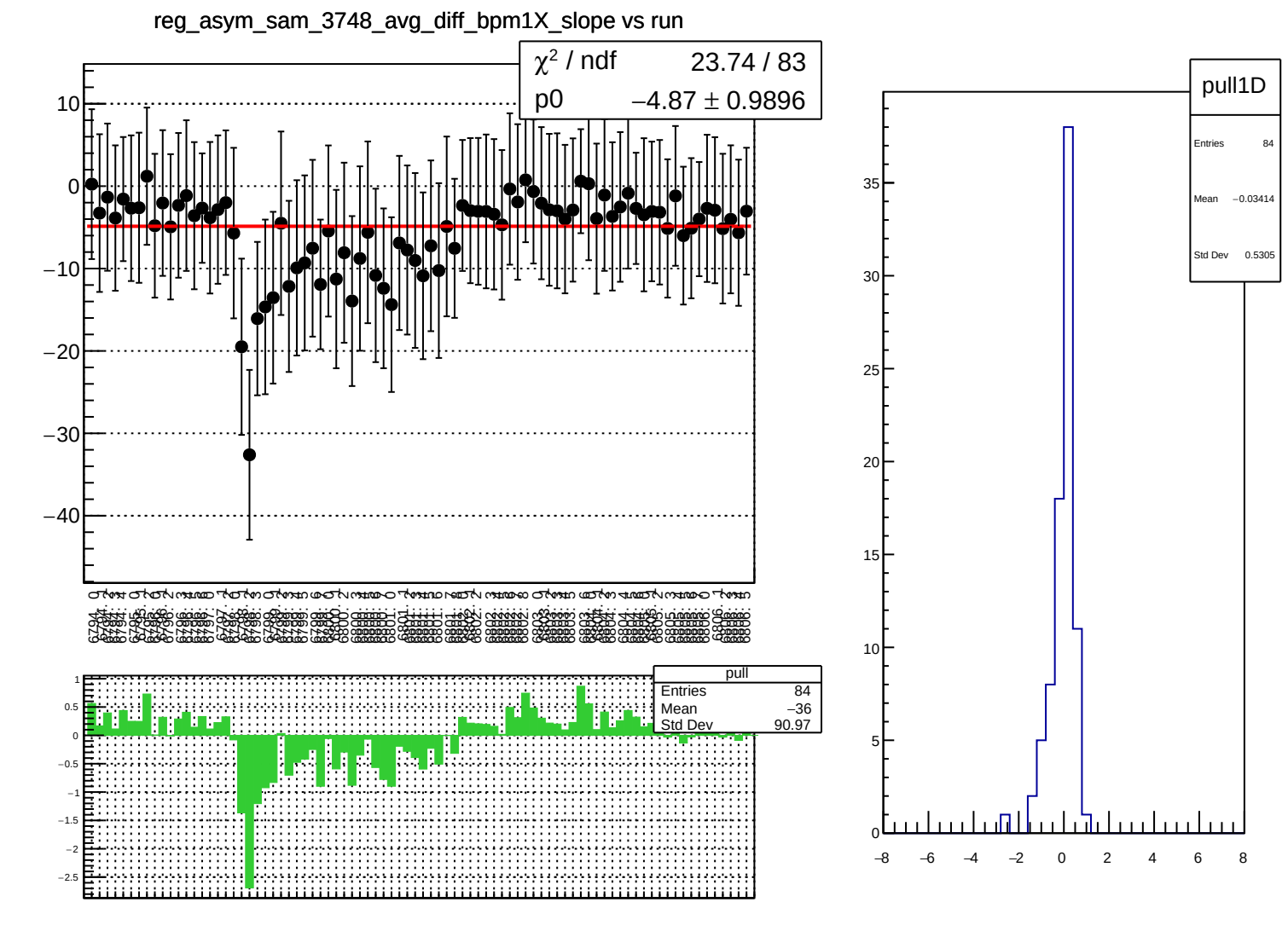

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 11.83 / 83
p0 −52.72 ± 0.7657
pull
Entries 84
Mean −108.3
Std Dev 152

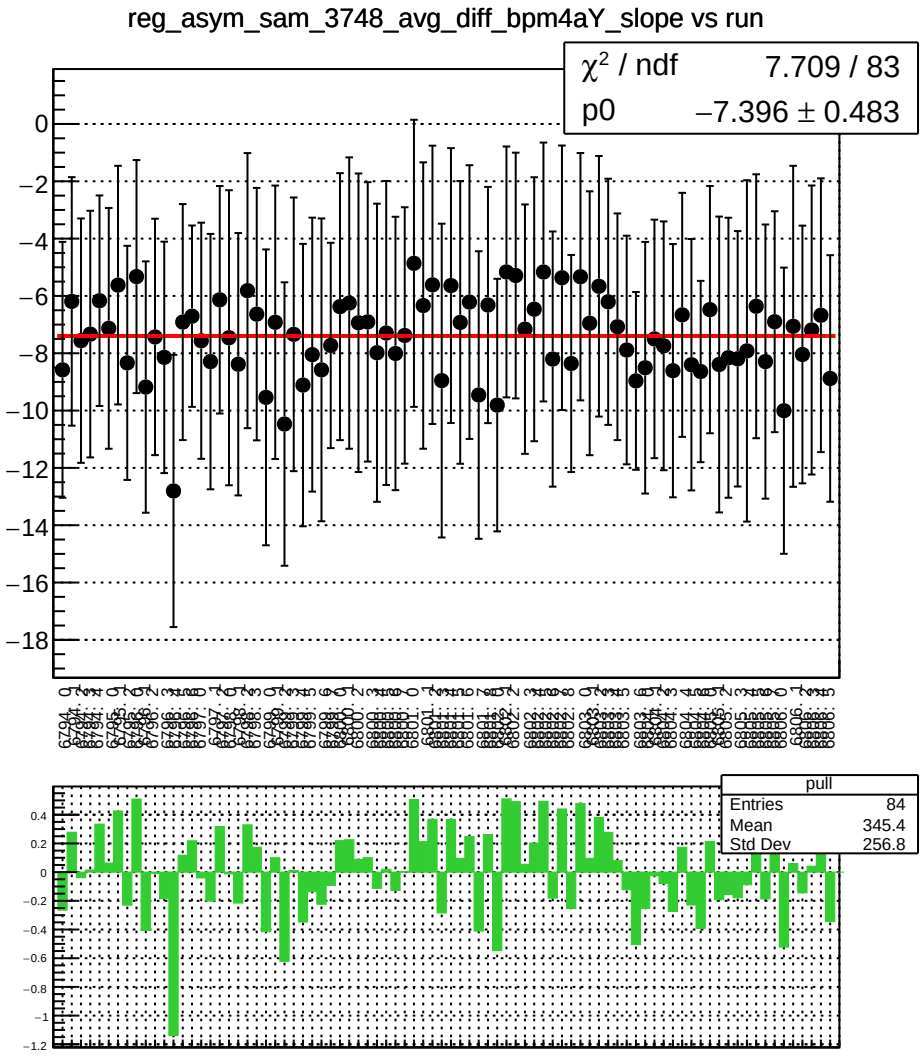

pull1D
Entries 84
Mean 0.005502
Std Dev 0.3753

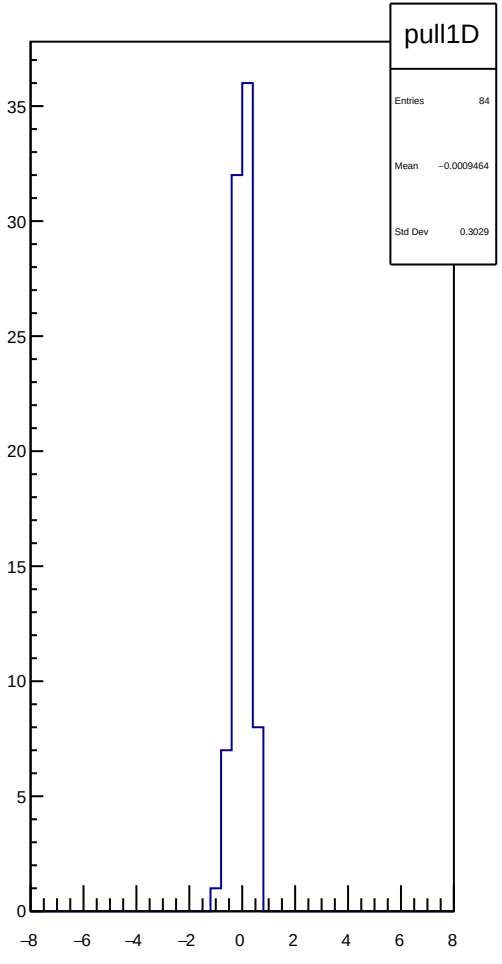

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 25.1 / 83
p0 86.28 ± 0.5579
pull
Entries 84
Mean 16.7
Std Dev 63.09
pull1D
Entries 84
Mean −0.03262
Std Dev 0.5456

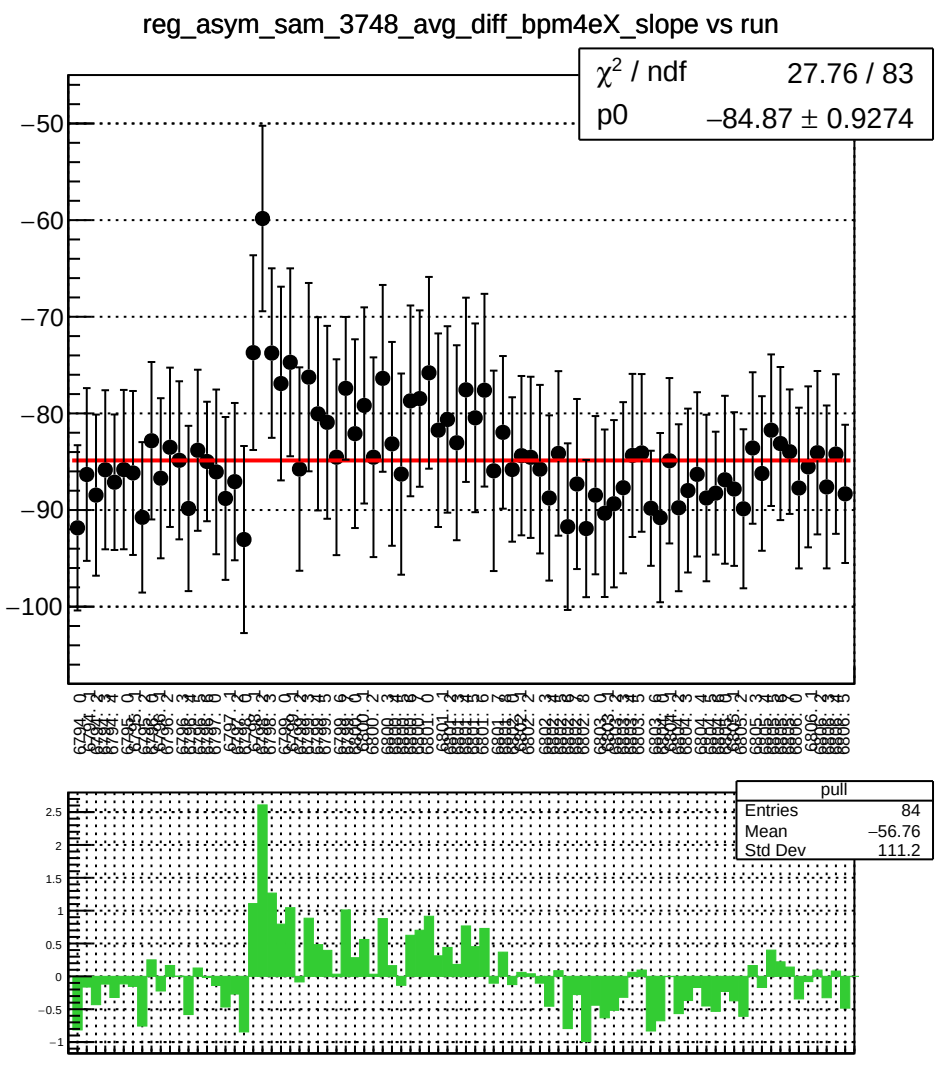

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 38.3 / 83
p0 0.1211± 0.03281
pull
Entries 84
Mean −205.8
Std Dev 280.6

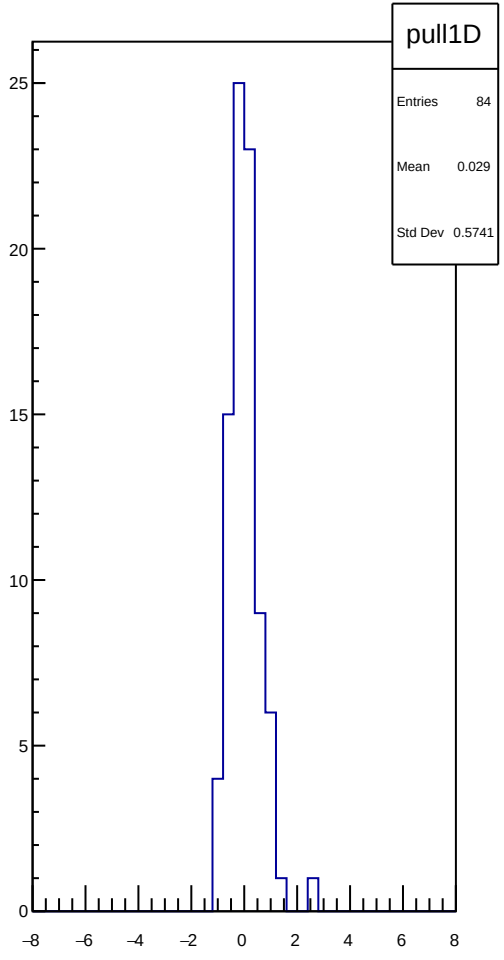

pull1D
Entries 84
Mean 0.01592
Std Dev 0.675

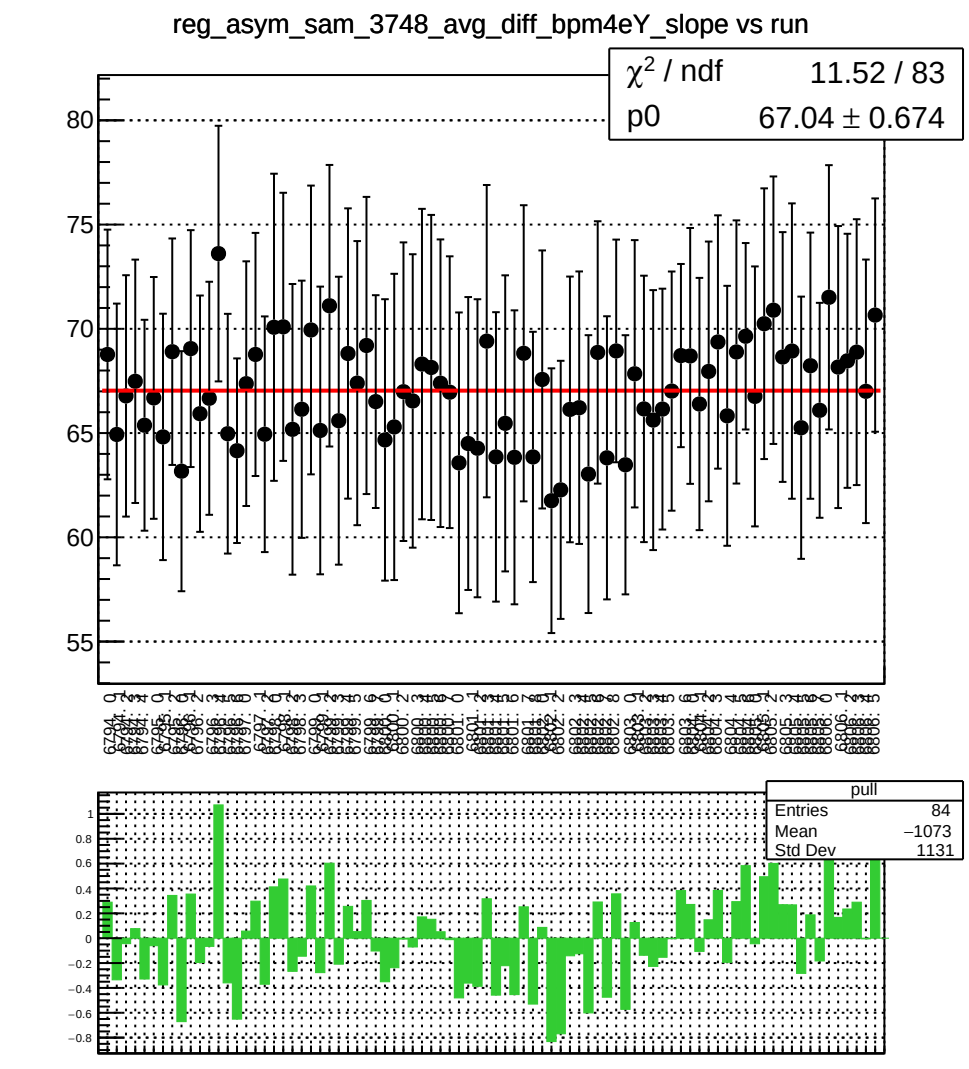

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 23.74 / 83
p0 −4.87 ± 0.9896
pull
Entries 84
Mean −36
Std Dev 90.97
pull1D
Entries 84
Mean −0.03414
Std Dev 0.5305

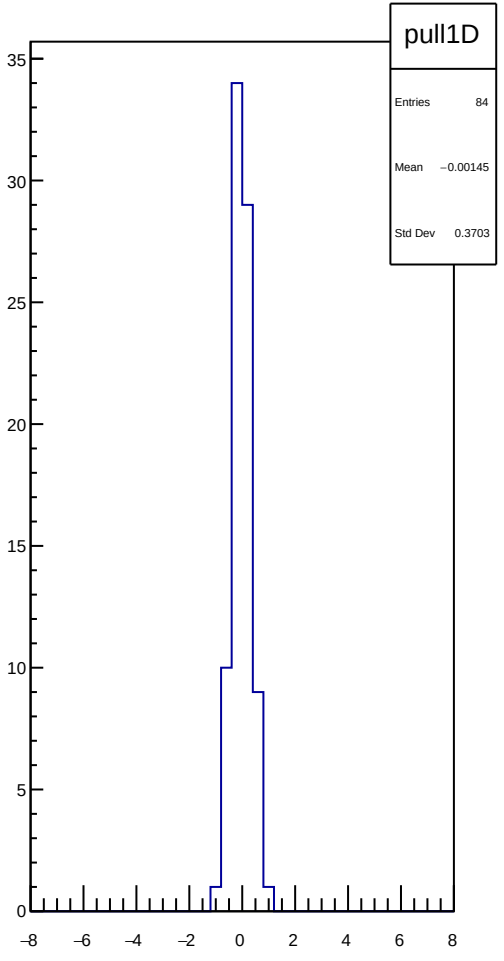

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.709 / 83
p0 −7.396 ± 0.483
pull
Entries 84
Mean 345.4
Std Dev 256.8

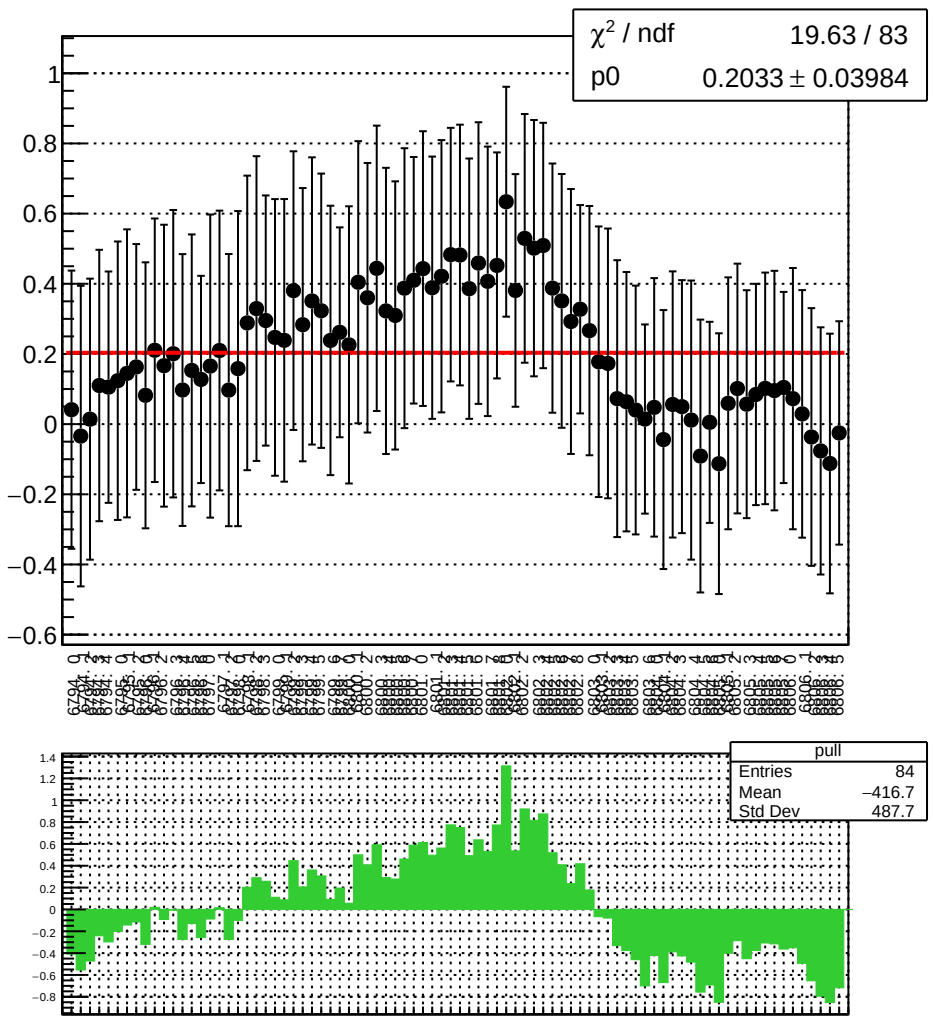

pull1D
Entries 84
Mean −0.0009464
Std Dev 0.3029

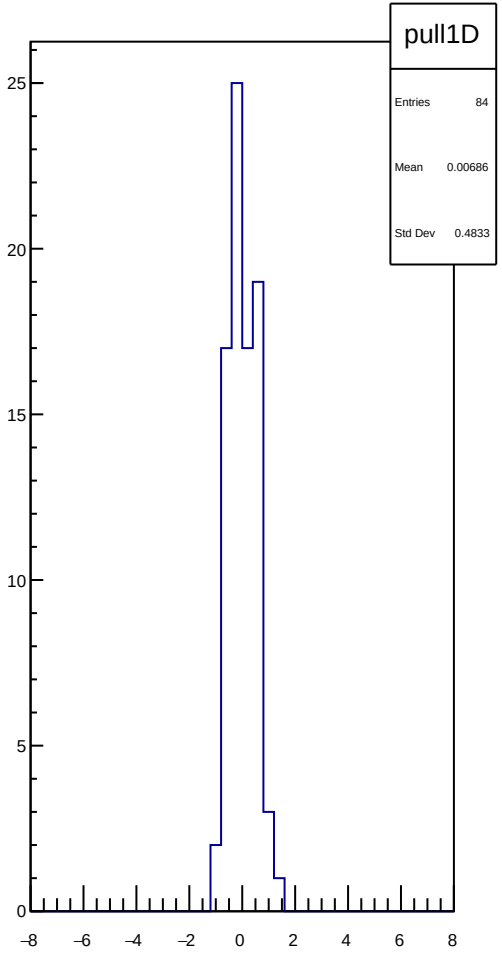

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 27.76 / 83
p0 −84.87 ± 0.9274
−50
−60
−70
−80
−90
−100
pull
Entries 84
Mean −56.76
Std Dev 111.2
2.5
2
1.5
1
0.5
0
−0.5
−1

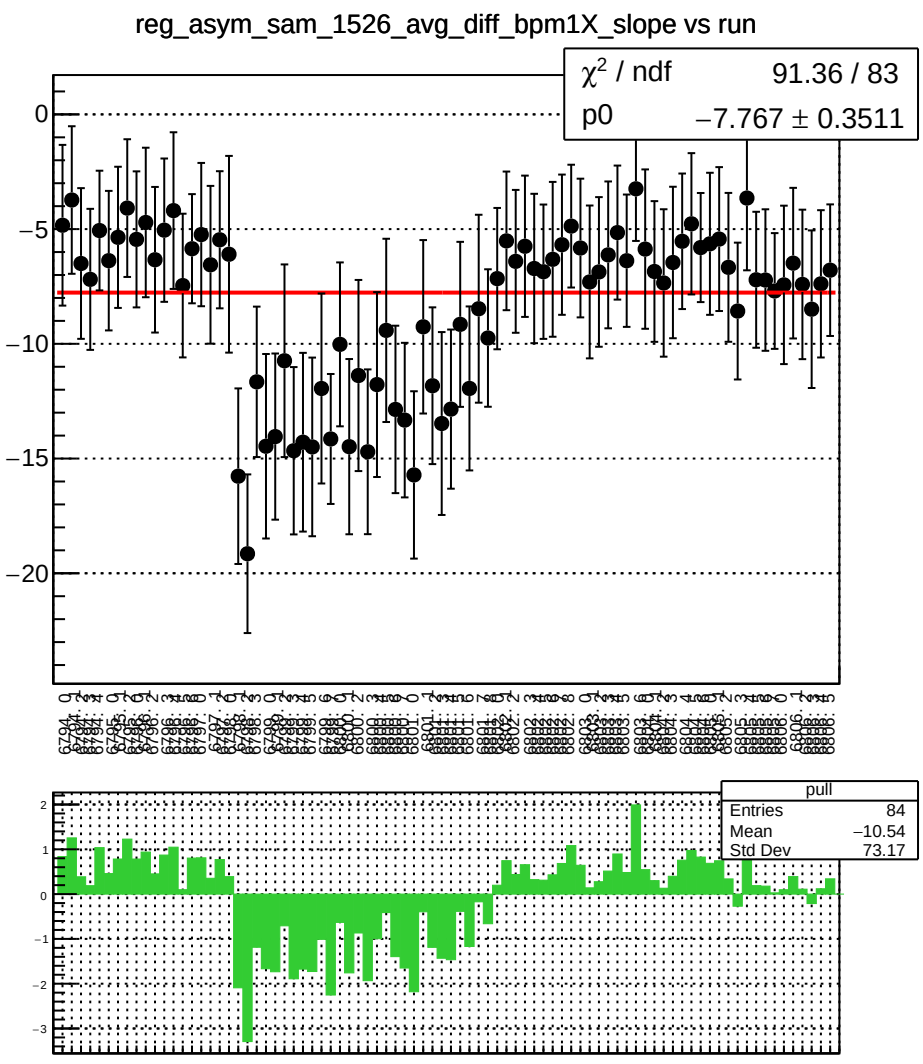

pull1D
Entries 84
Mean 0.029
Std Dev 0.5741
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

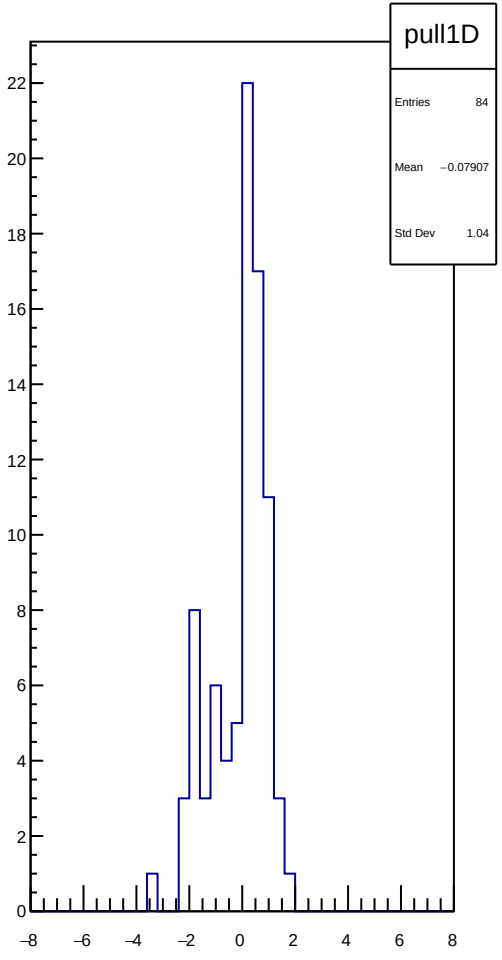

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.52 / 83
p0 67.04 ± 0.674
pull
Entries 84
Mean −1073
Std Dev 1131

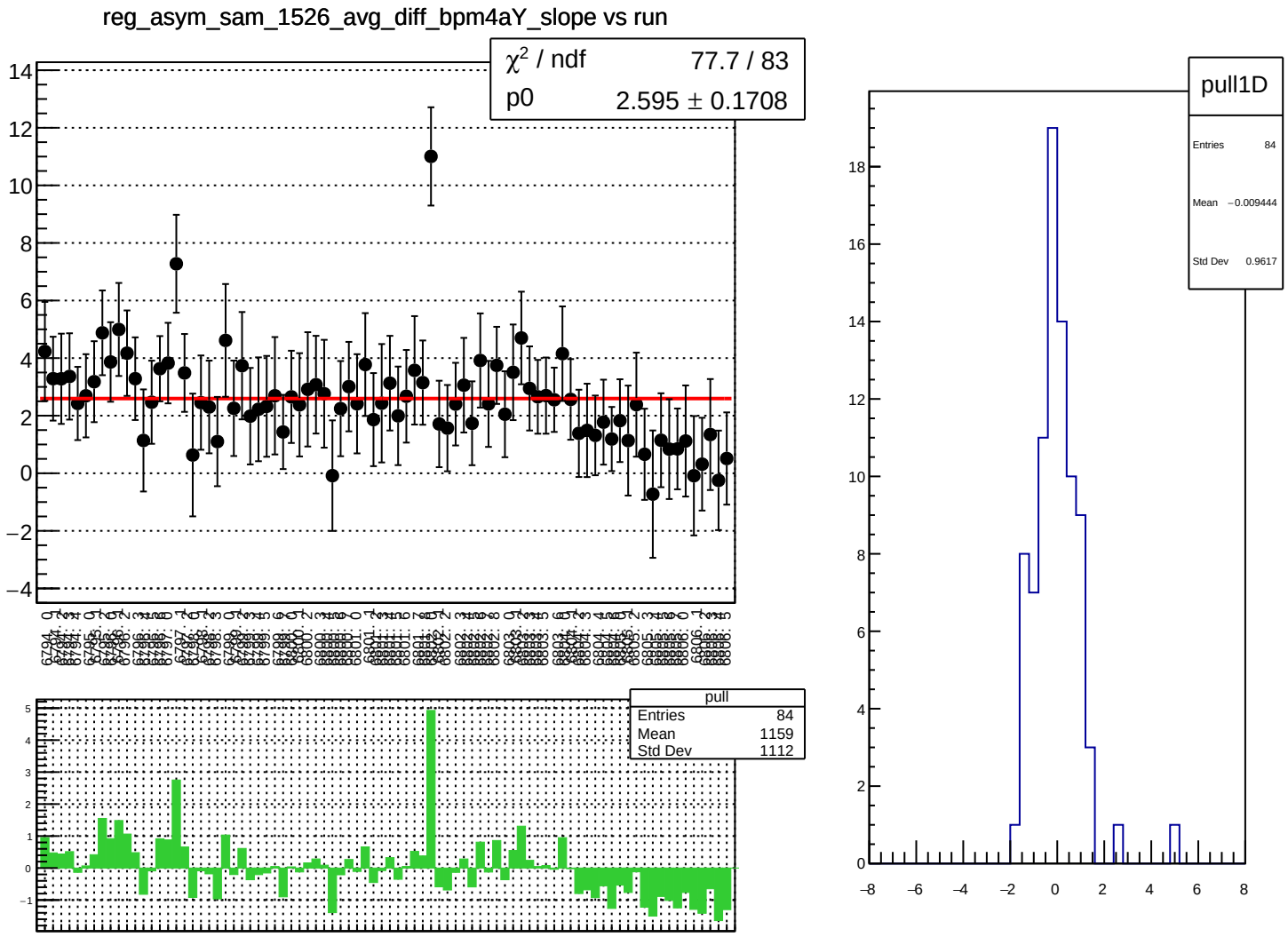

pull1D
Entries 84
Mean −0.00145
Std Dev 0.3703

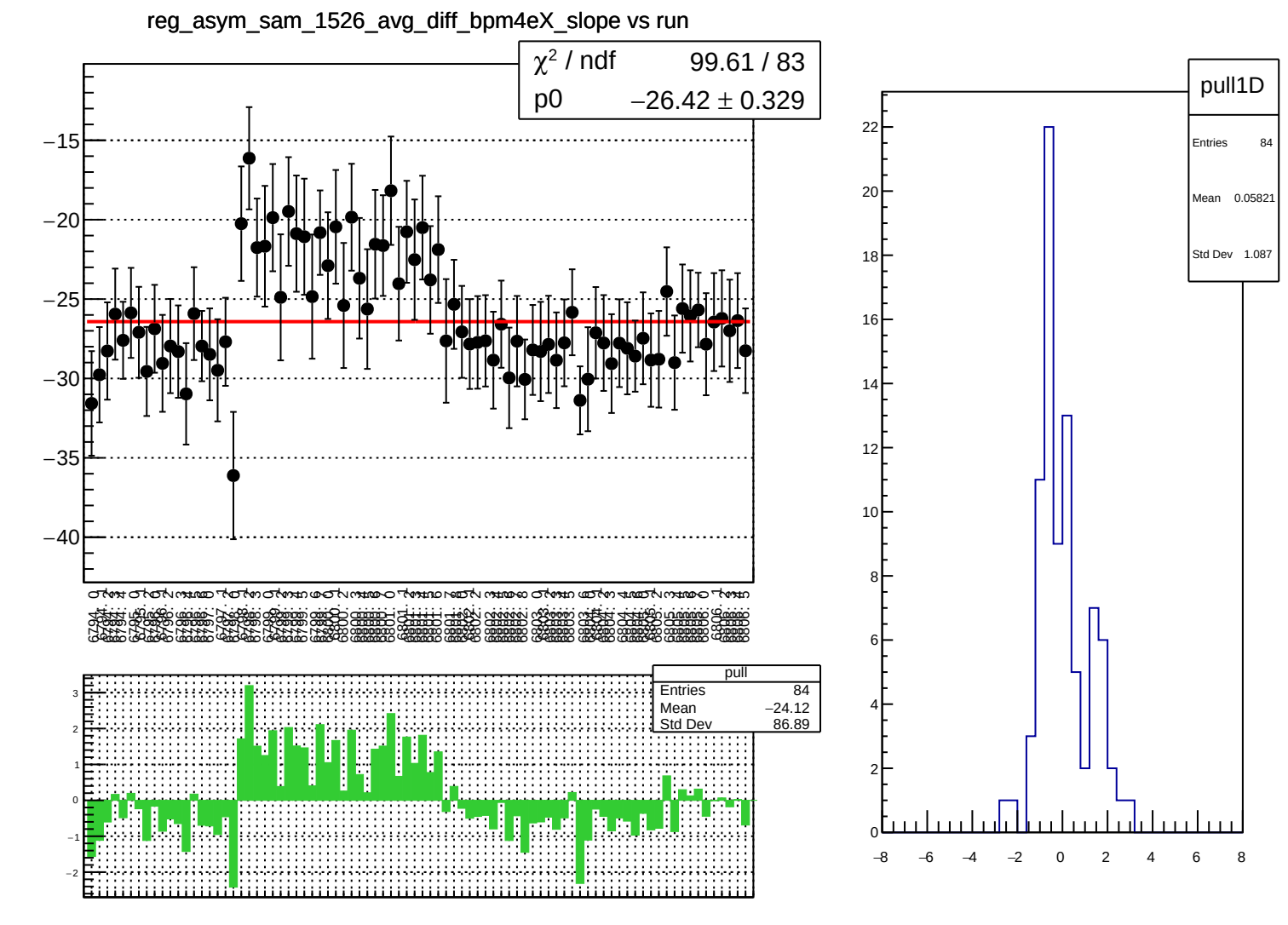

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 19.63 / 83
p0 0.2033 ± 0.03984
pull
Entries 84
Mean −416.7
Std Dev 487.7

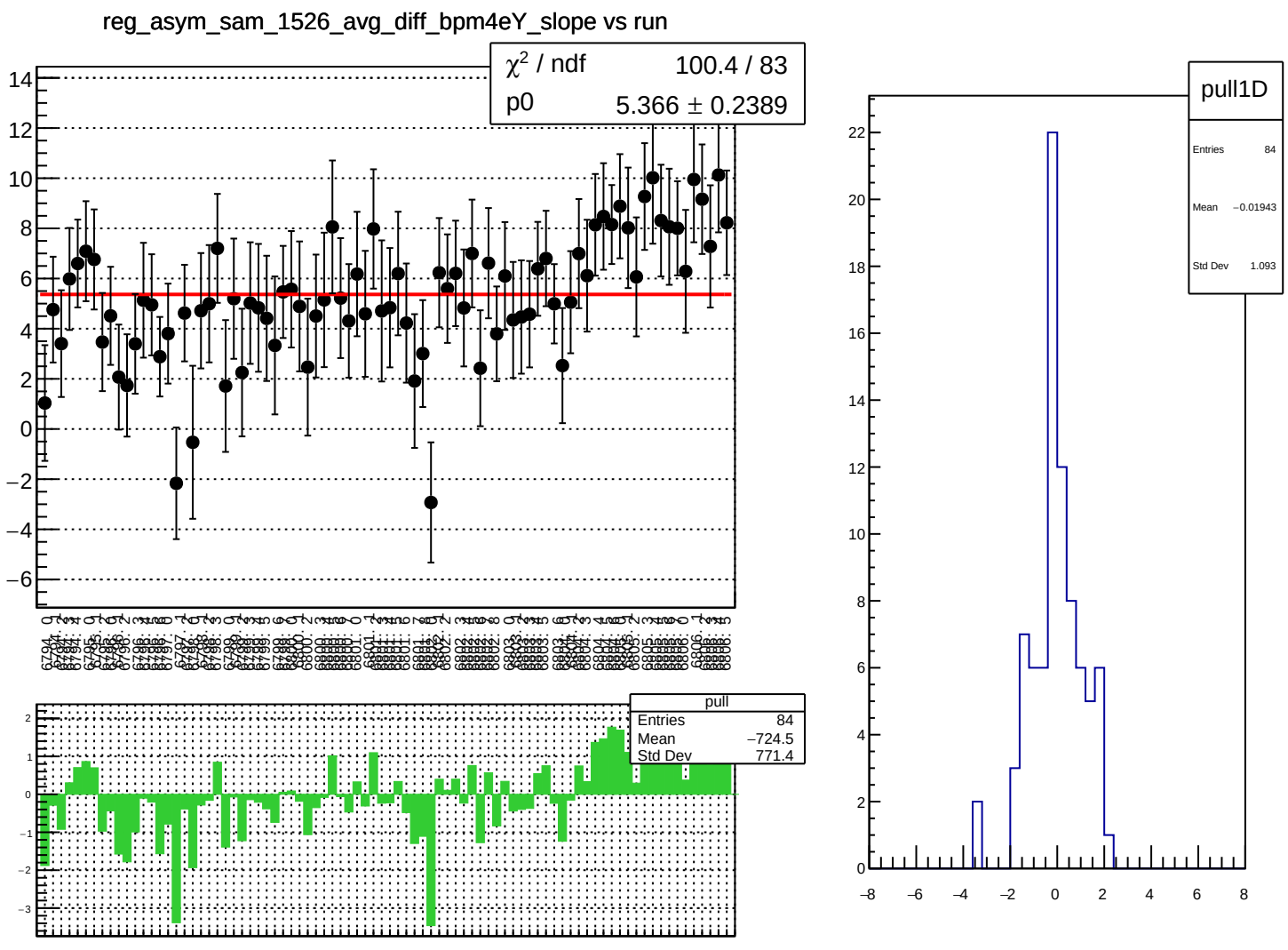

pull1D
Entries 84
Mean 0.00686
Std Dev 0.4833

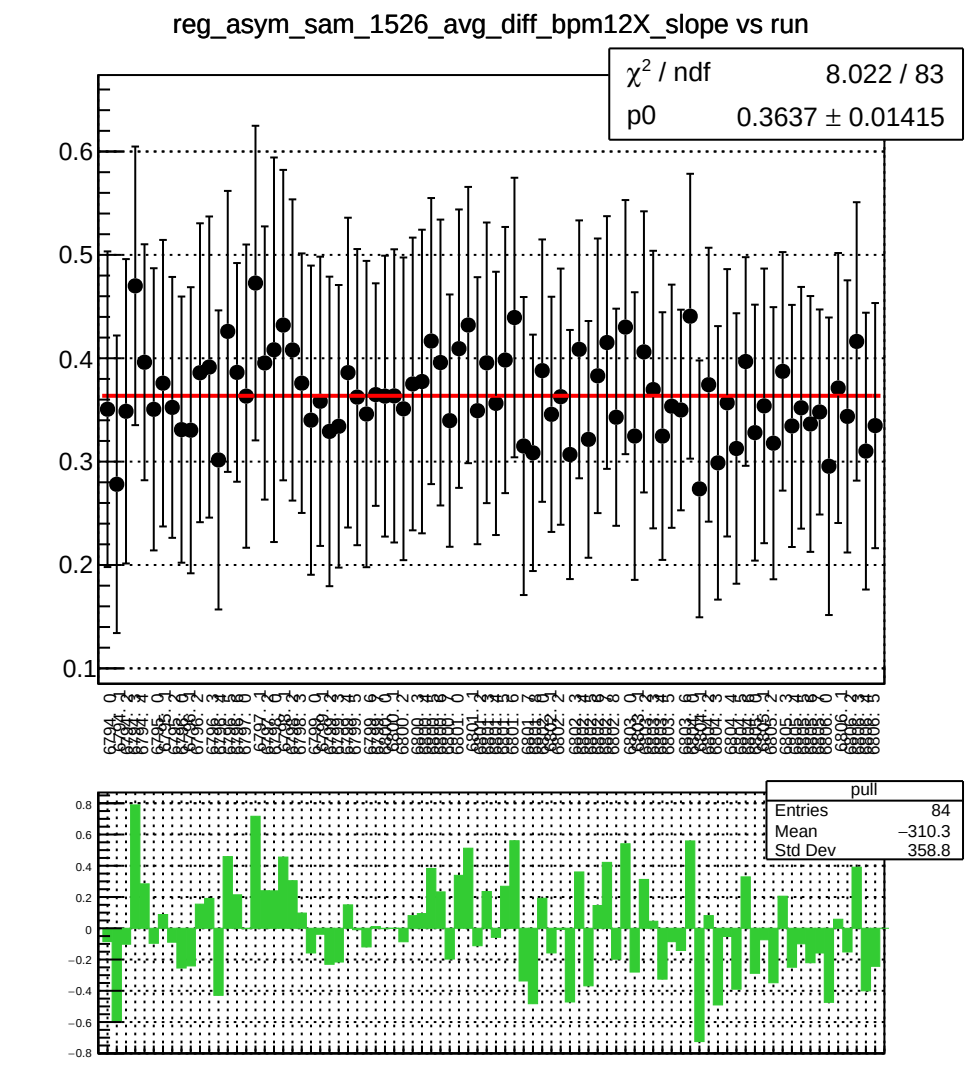

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 91.36 / 83
p0 −7.767 ± 0.3511
pull
Entries 84
Mean −10.54
Std Dev 73.17

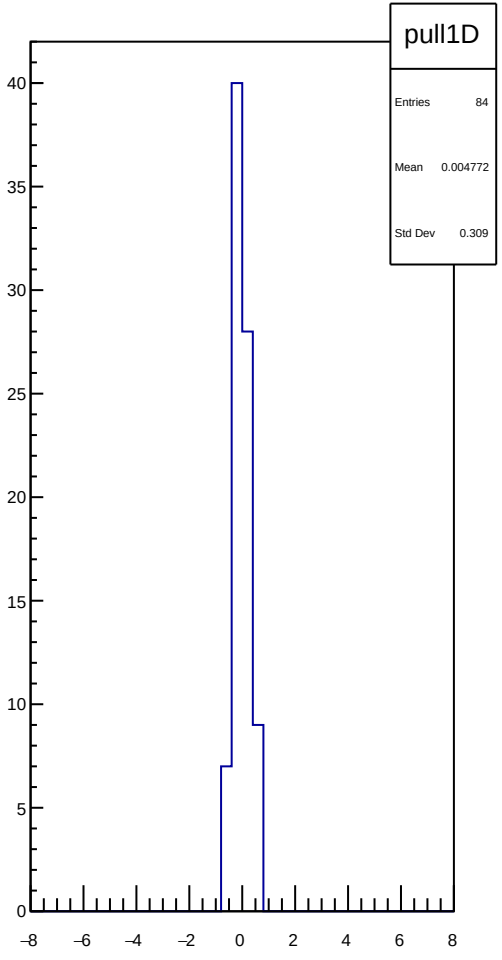

pull1D
Entries 84
Mean −0.07907
Std Dev 1.04

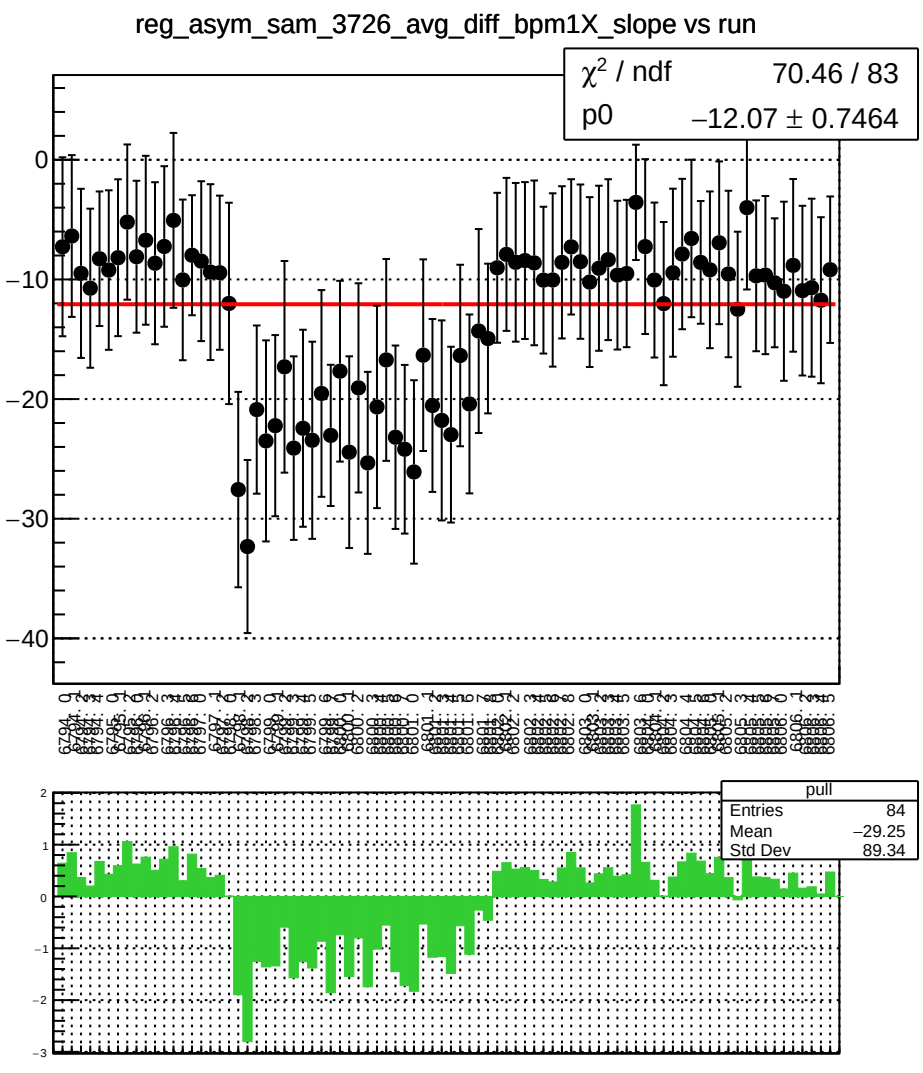

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 77.7 / 83
p0 2.595 ± 0.1708
pull
Entries 84
Mean 1159
Std Dev 1112
pull1D
Entries 84
Mean −0.009444
Std Dev 0.9617

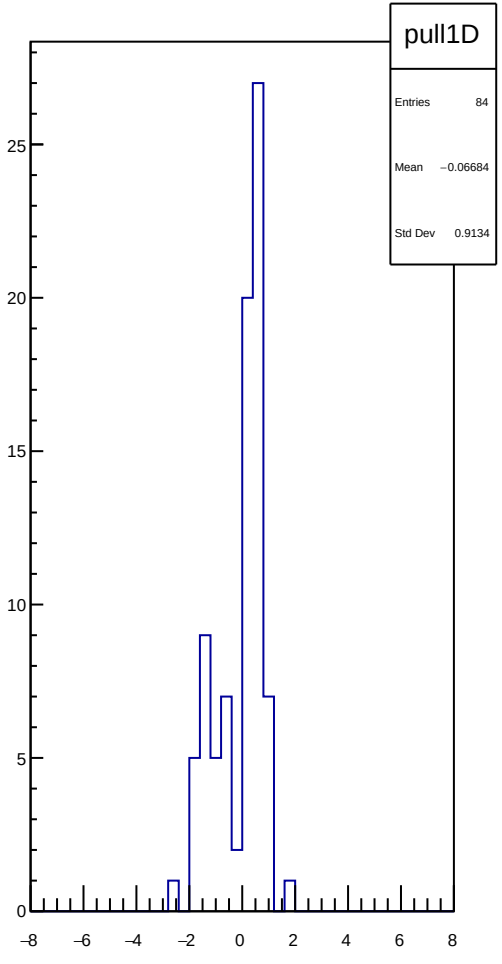

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 99.61 / 83
p0 −26.42 ± 0.329
pull
Entries 84
Mean −24.12
Std Dev 86.89
pull1D
Entries 84
Mean 0.05821
Std Dev 1.087

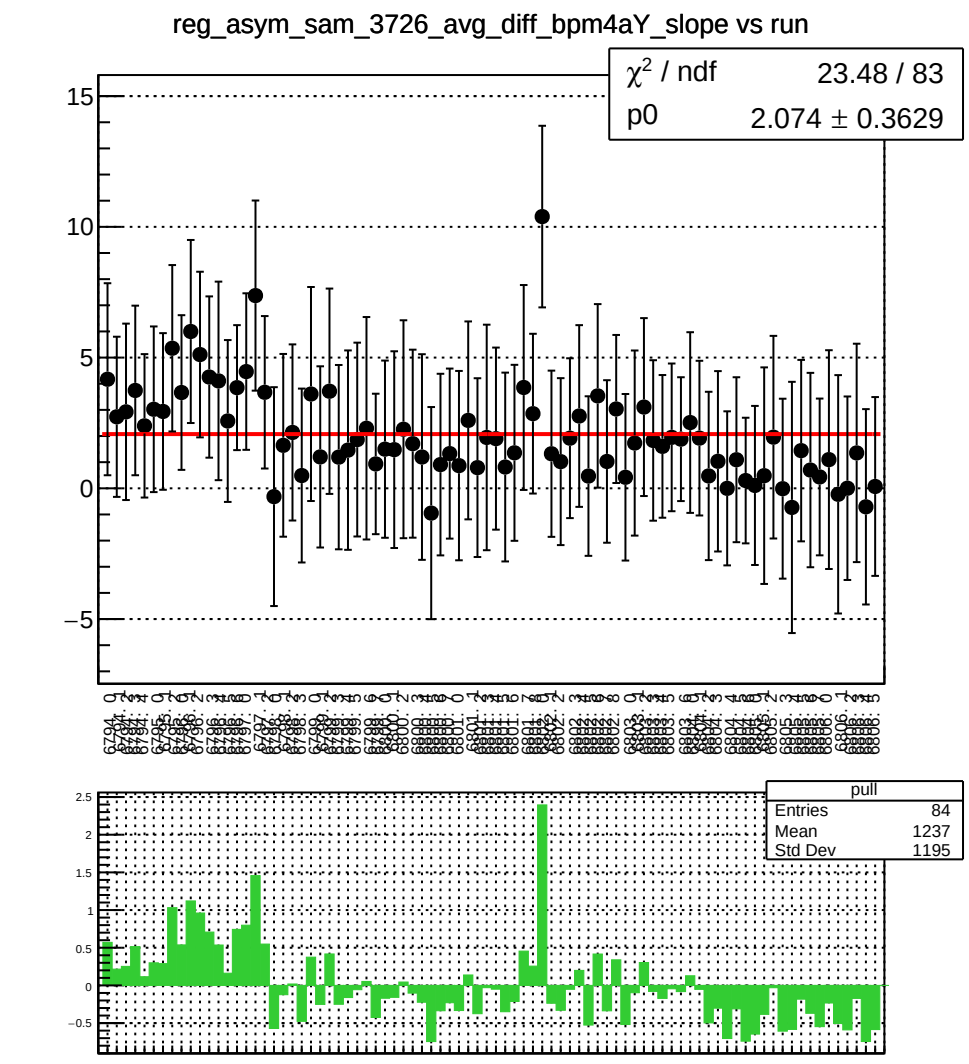

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 100.4 / 83
p0 5.366 ± 0.2389
pull
Entries 84
Mean −724.5
Std Dev 771.4
pull1D
Entries 84
Mean −0.01943
Std Dev 1.093

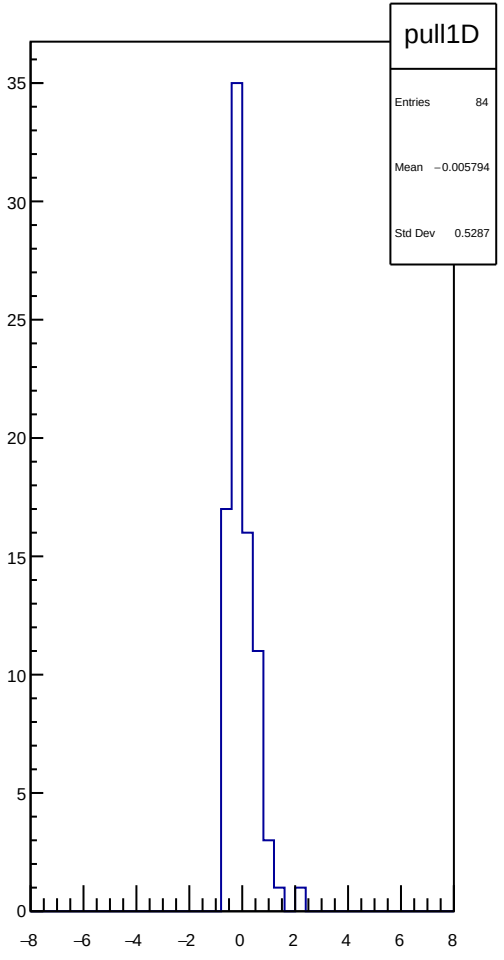

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 8.022 / 83
p0 0.3637 ± 0.01415
pull
Entries 84
Mean −310.3
Std Dev 358.8

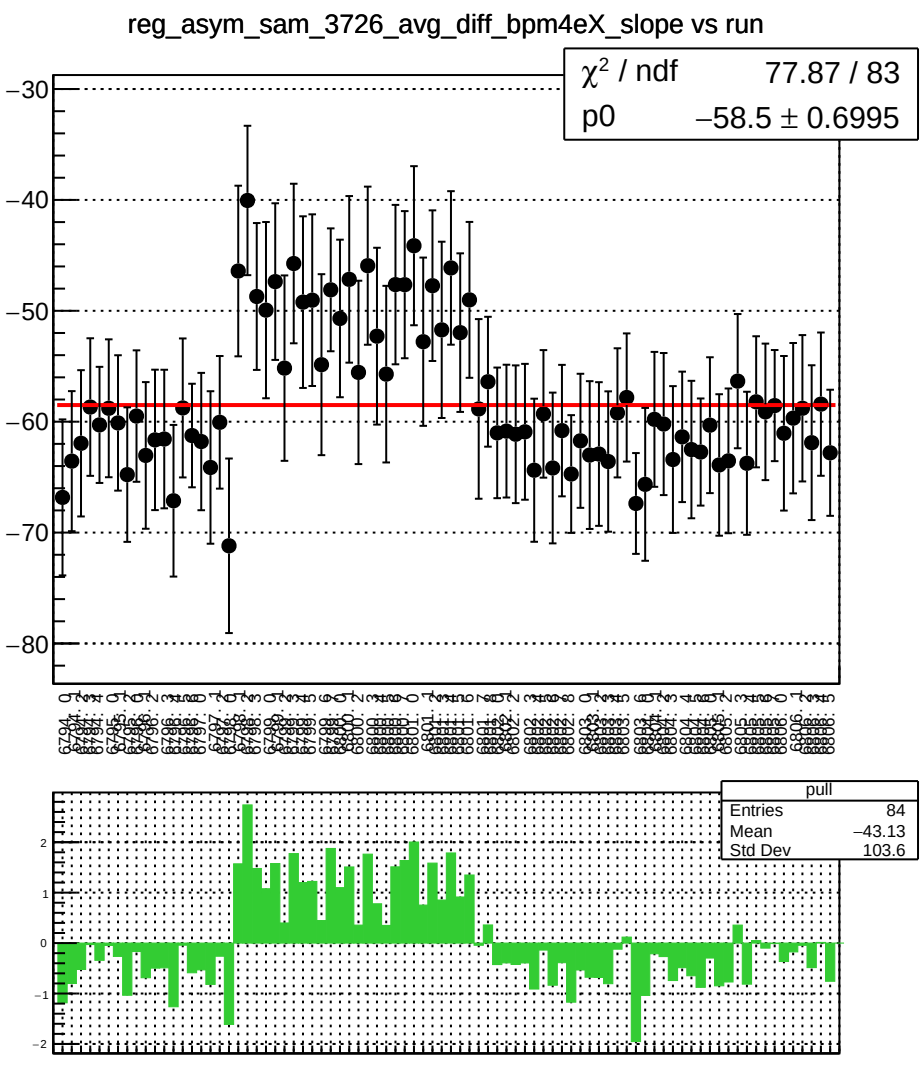

pull1D
Entries 84
Mean 0.004772
Std Dev 0.309

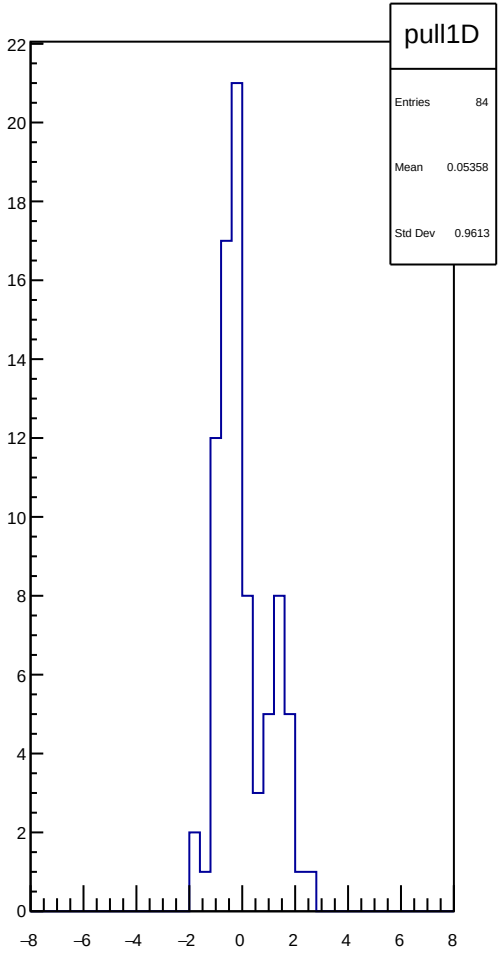

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 70.46 / 83
p0 −12.07 ± 0.7464
pull
Entries 84
Mean −29.25
Std Dev 89.34

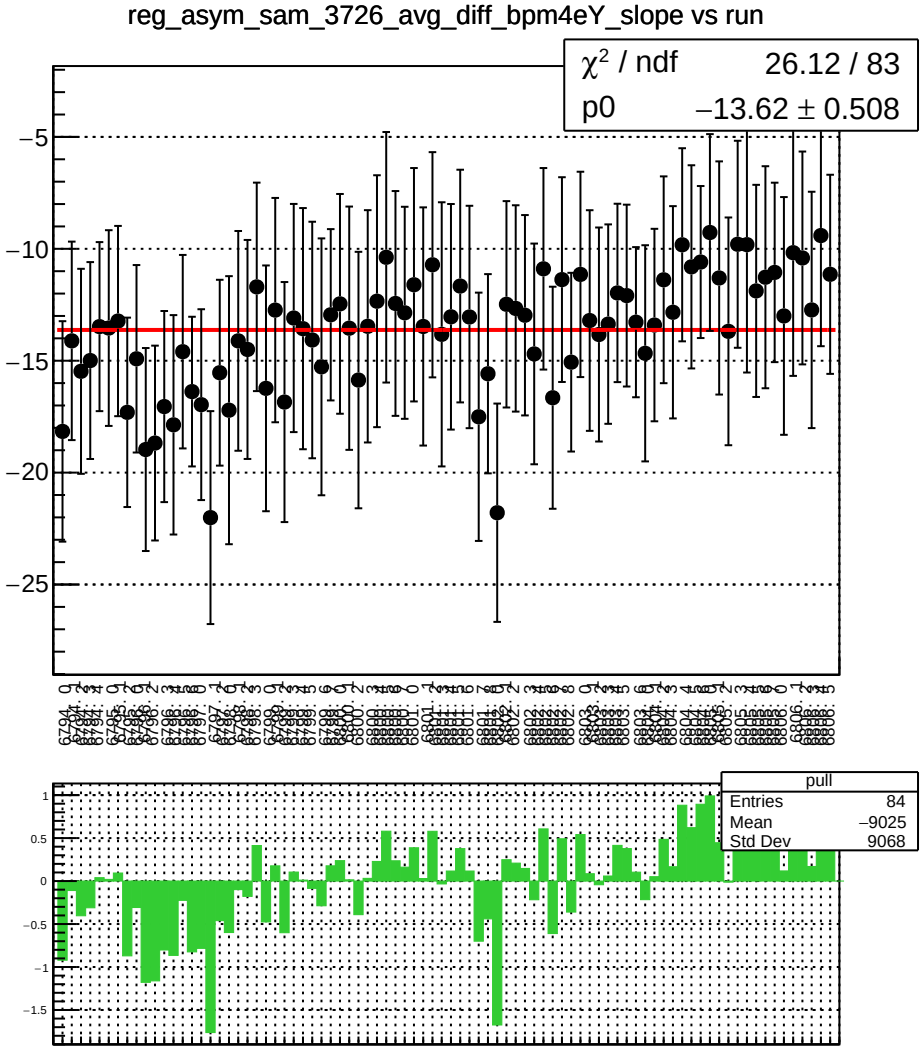

pull1D
Entries 84
Mean −0.06684
Std Dev 0.9134

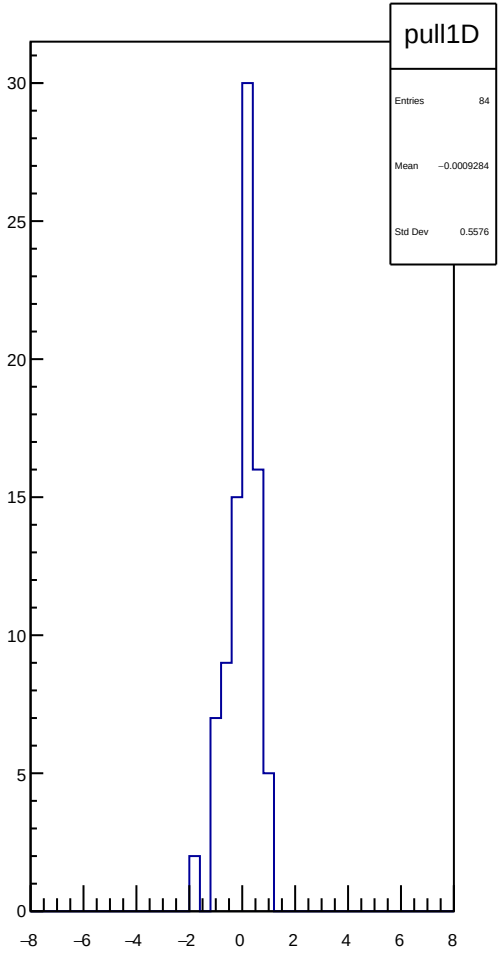

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 23.48 / 83
p0 2.074 ± 0.3629
pull
Entries 84
Mean 1237
Std Dev 1195

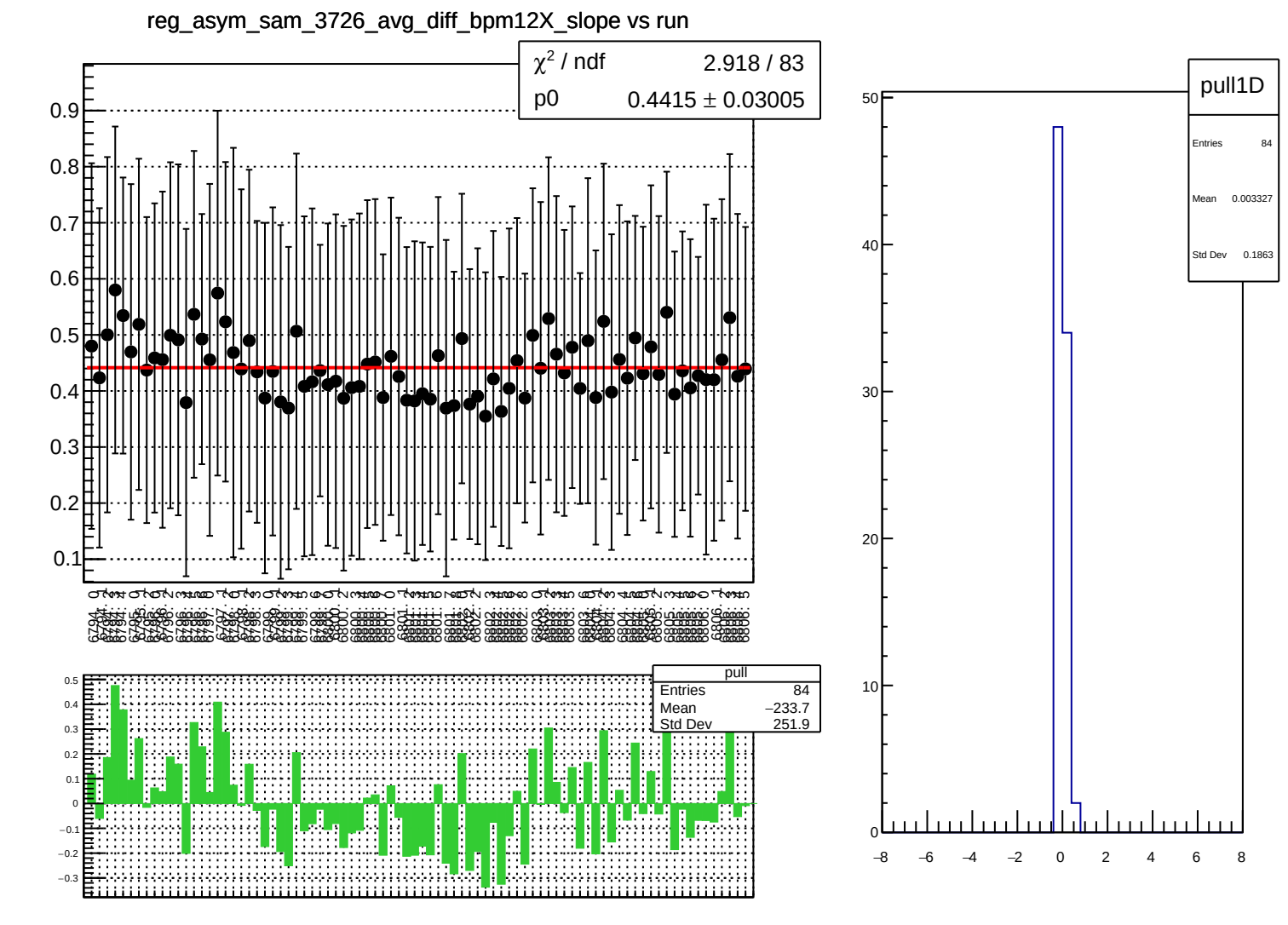

pull1D
Entries 84
Mean −0.005794
Std Dev 0.5287

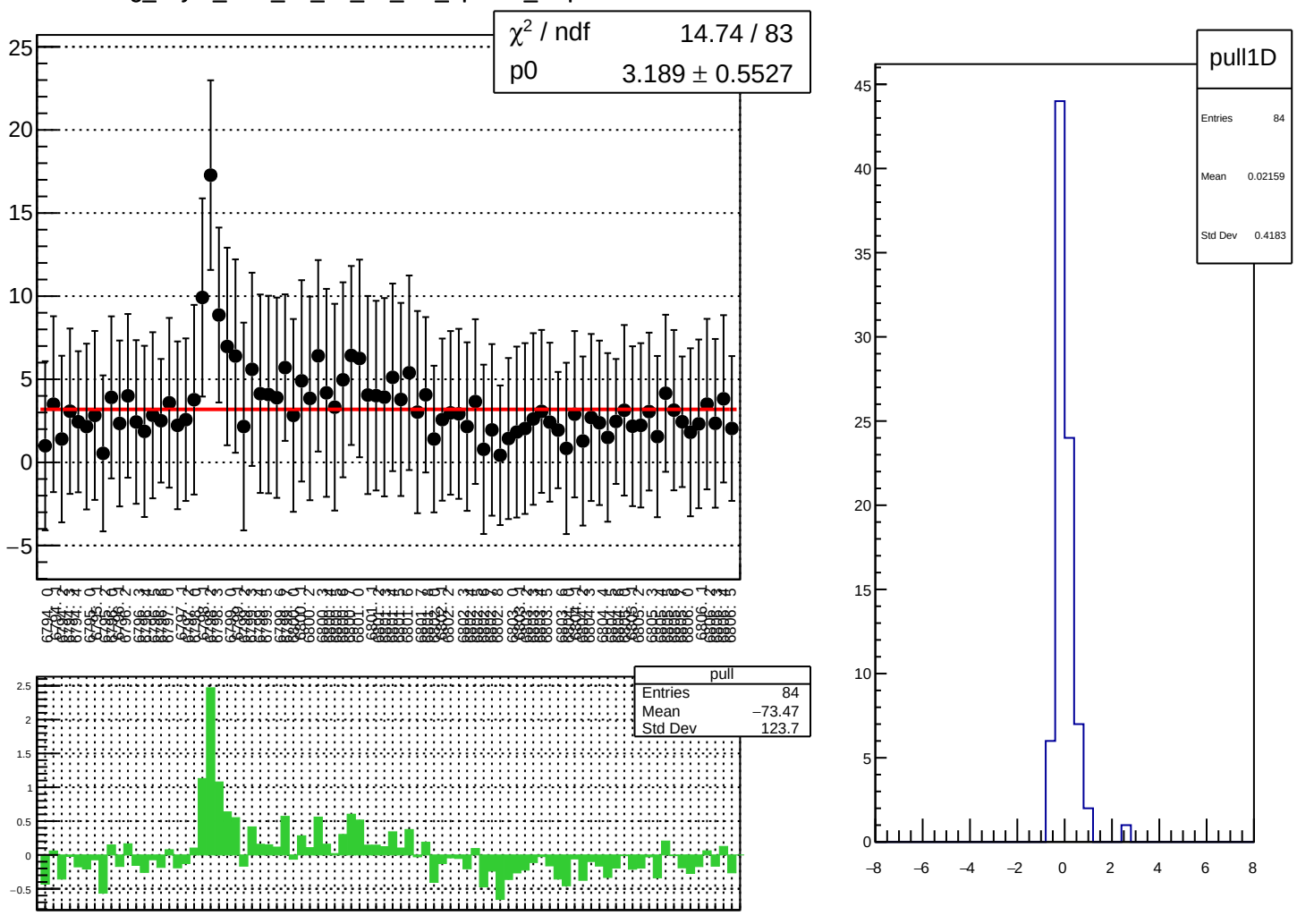

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 77.87 / 83
p0 −58.5 ± 0.6995
pull
Entries 84
Mean −43.13
Std Dev 103.6

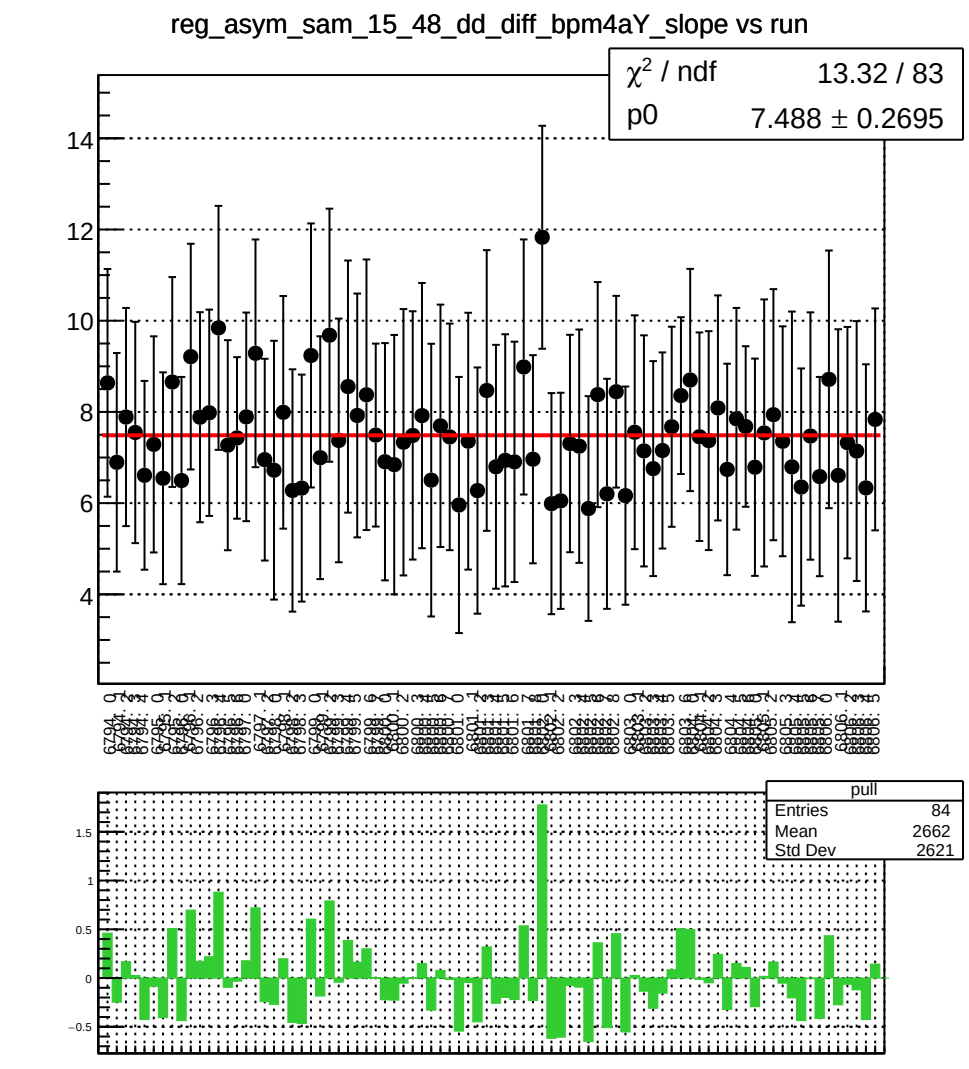

pull1D
Entries 84
Mean 0.05358
Std Dev 0.9613

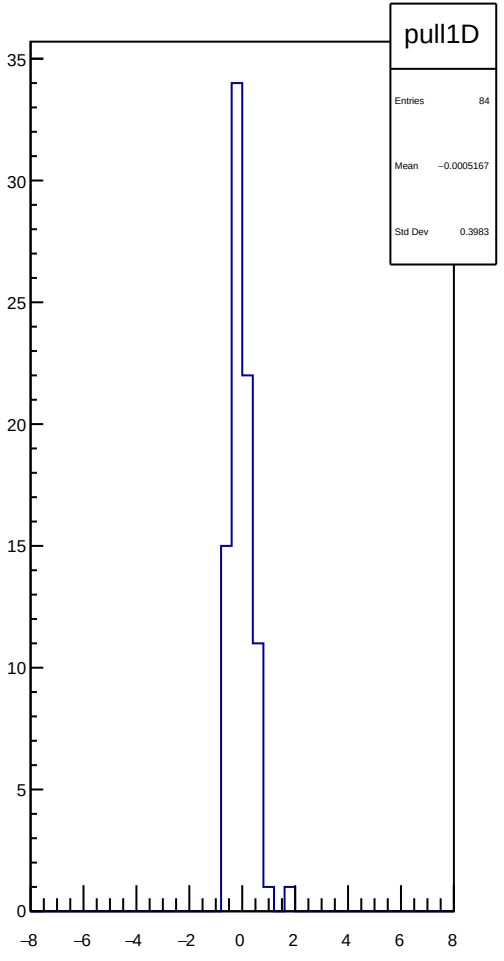

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 26.12 / 83
p0 −13.62 ± 0.508
pull
Entries 84
Mean −9025
Std Dev 9068

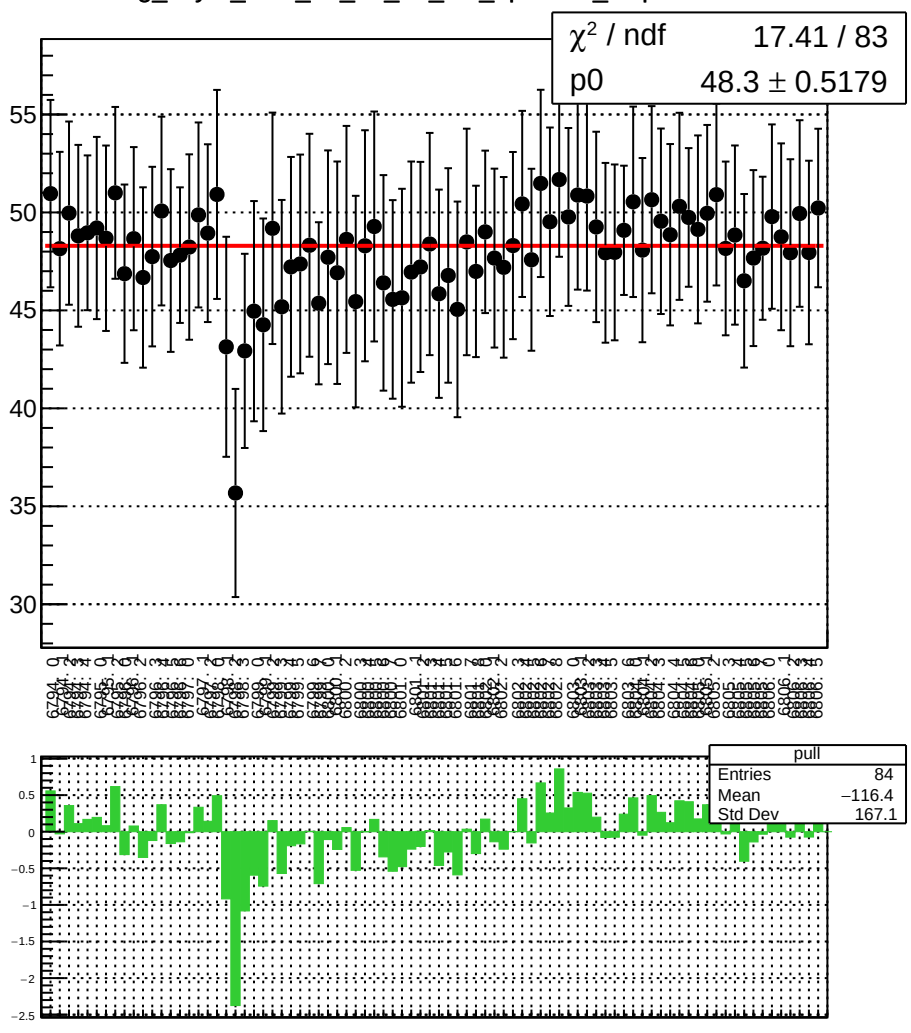

pull1D
Entries 84
Mean −0.0009284
Std Dev 0.5576

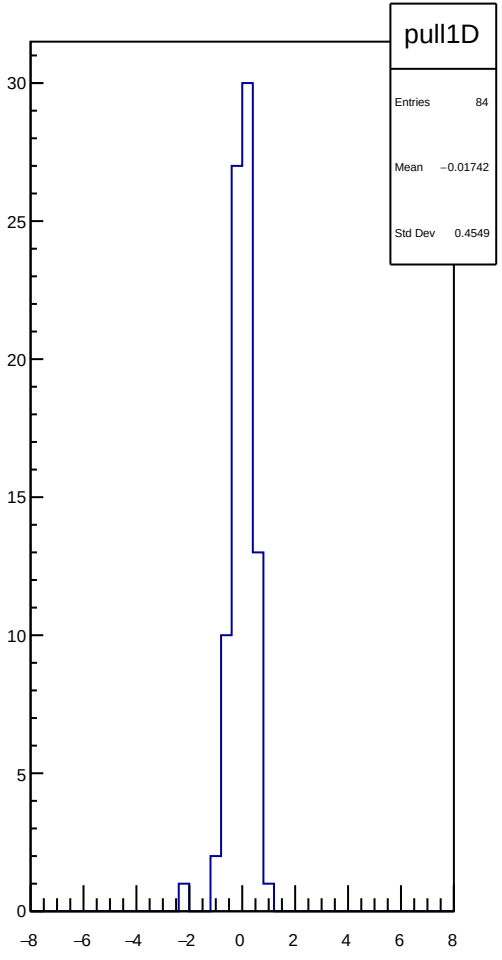

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 2.918 / 83
p0 0.4415 ± 0.03005
pull
Entries 84
Mean −233.7
Std Dev 251.9
pull1D
Entries 84
Mean 0.003327
Std Dev 0.1863

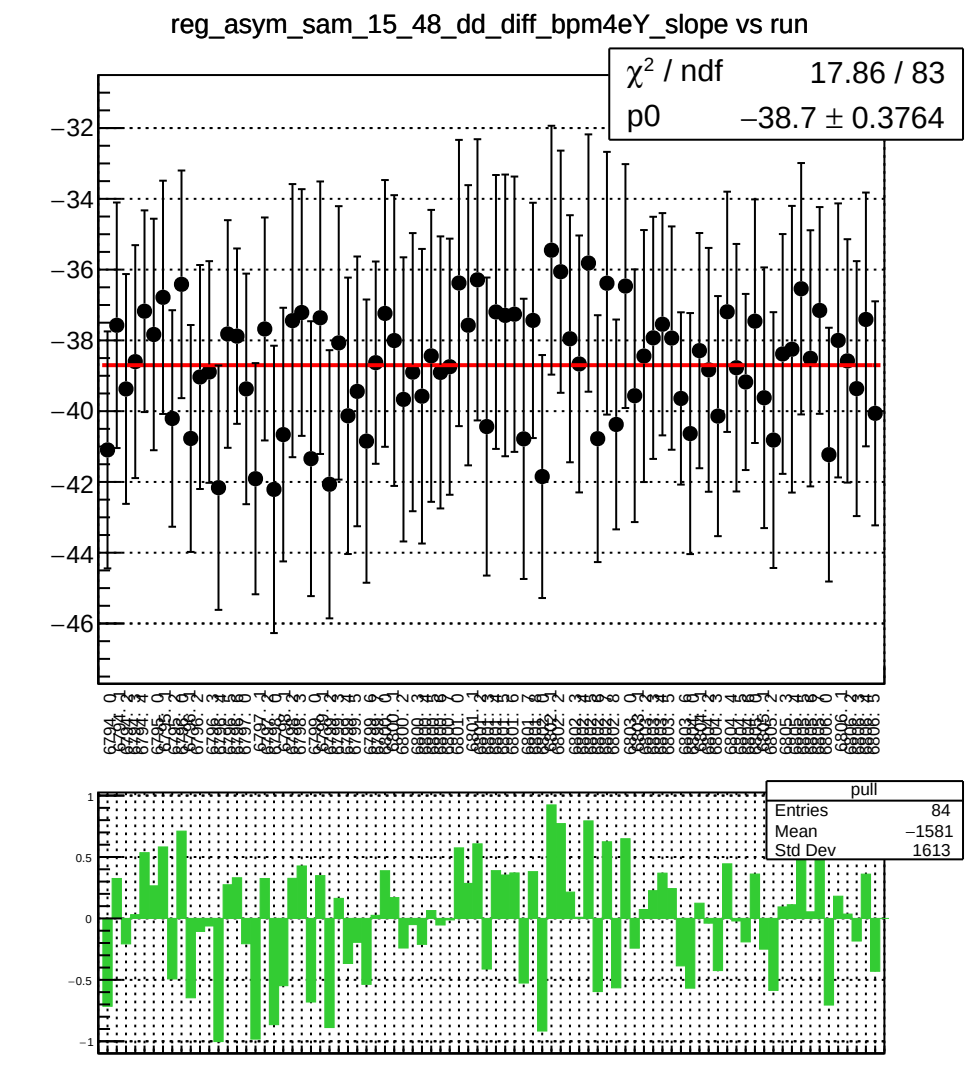

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 14.74 / 83
p0 3.189 ± 0.5527
pull
Entries 84
Mean −73.47
Std Dev 123.7
pull1D
Entries 84
Mean 0.02159
Std Dev 0.4183

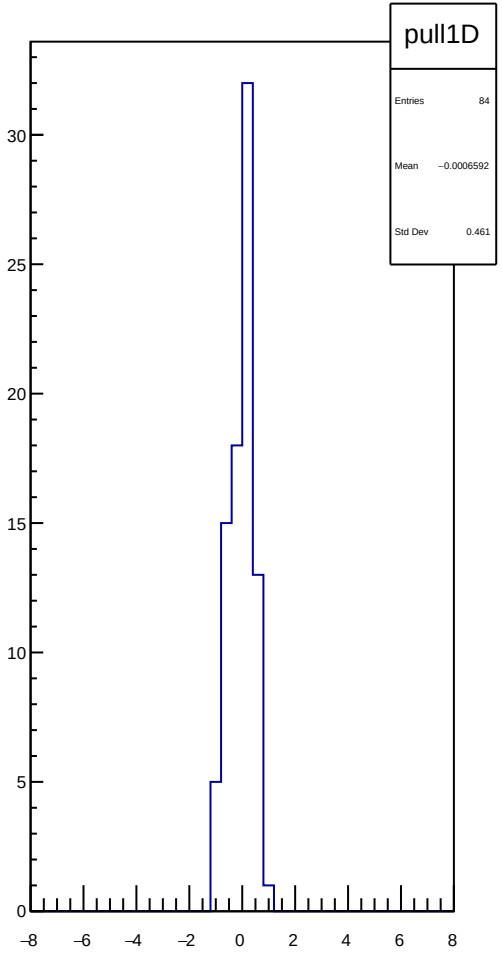

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.32 / 83
p0 7.488 ± 0.2695
pull
Entries 84
Mean 2662
Std Dev 2621

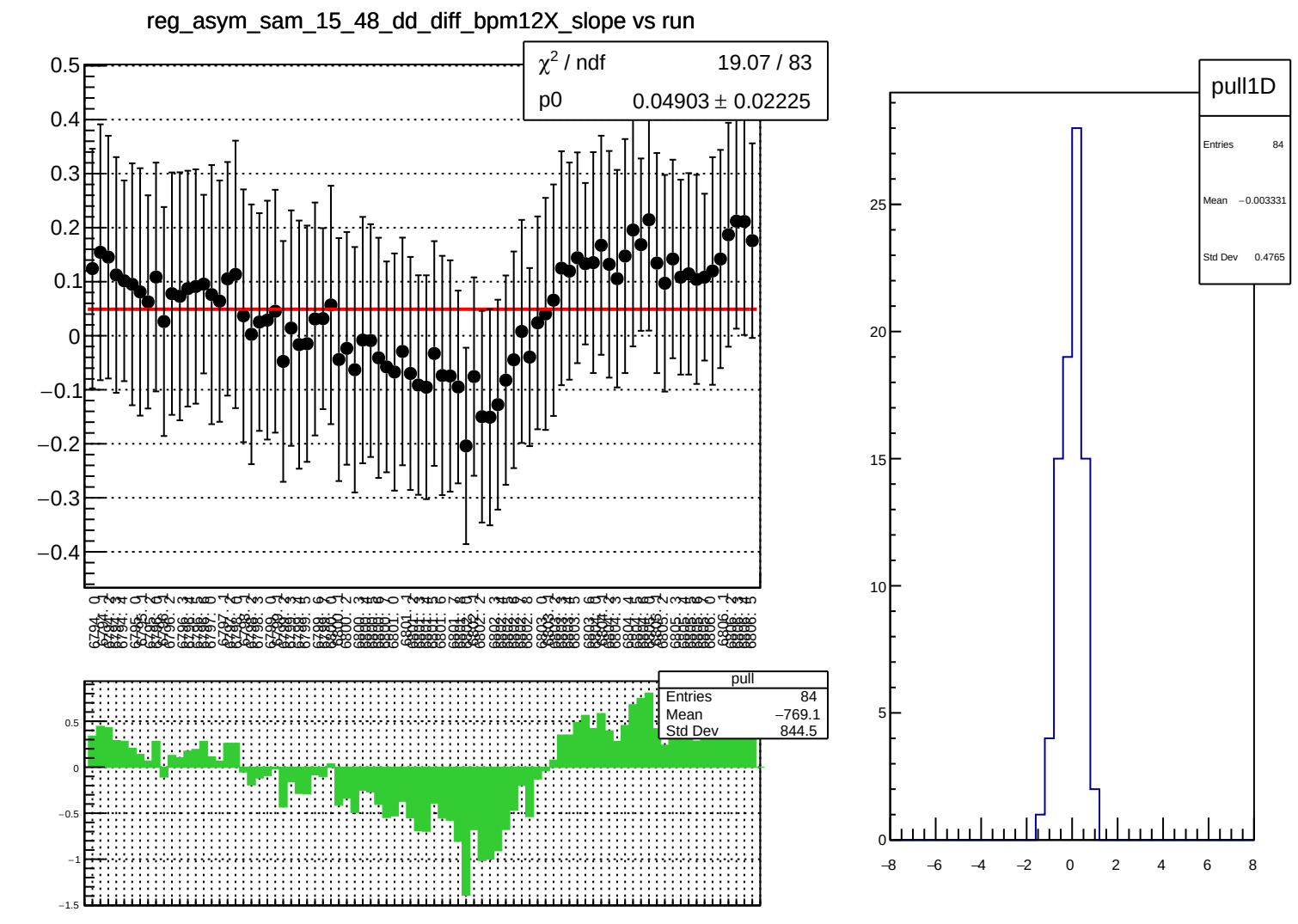

pull1D
Entries 84
Mean −0.0005167
Std Dev 0.3983

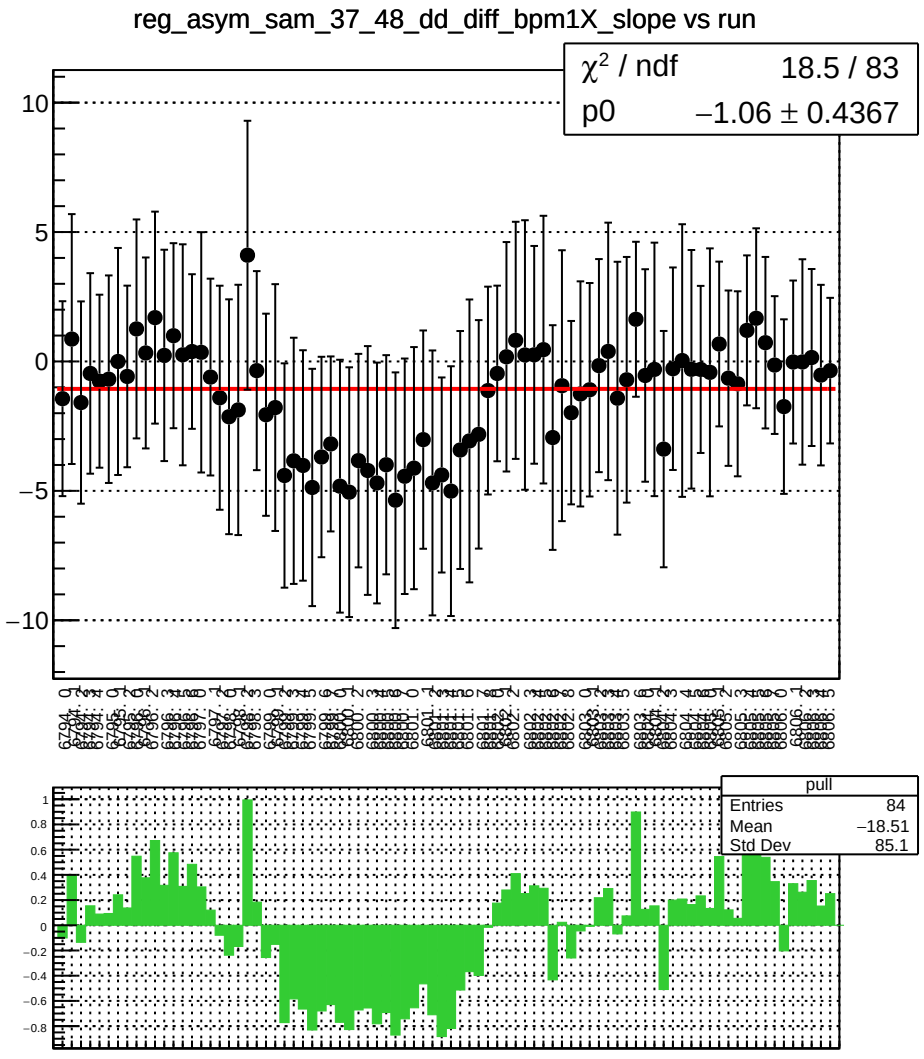

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 17.41 / 83
p0 48.3 ± 0.5179
pull
Entries 84
Mean −116.4
Std Dev 167.1

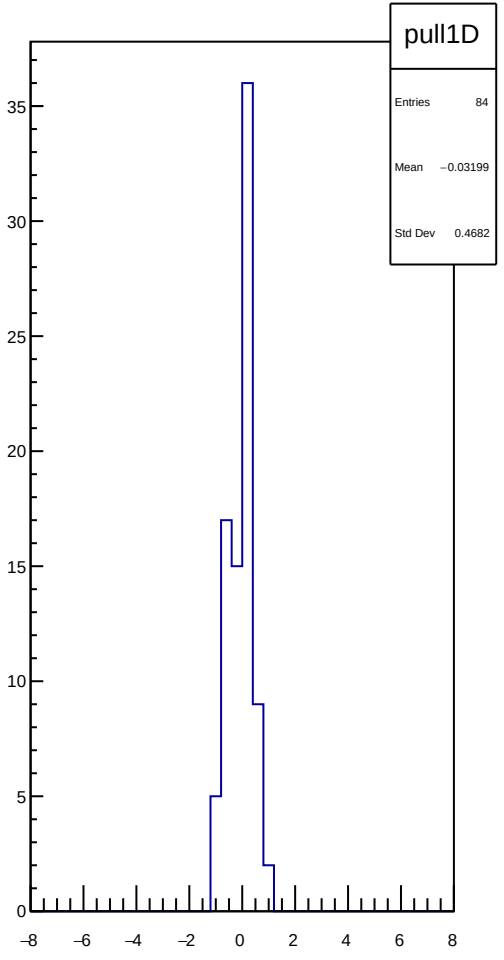

pull1D
Entries 84
Mean −0.01742
Std Dev 0.4549

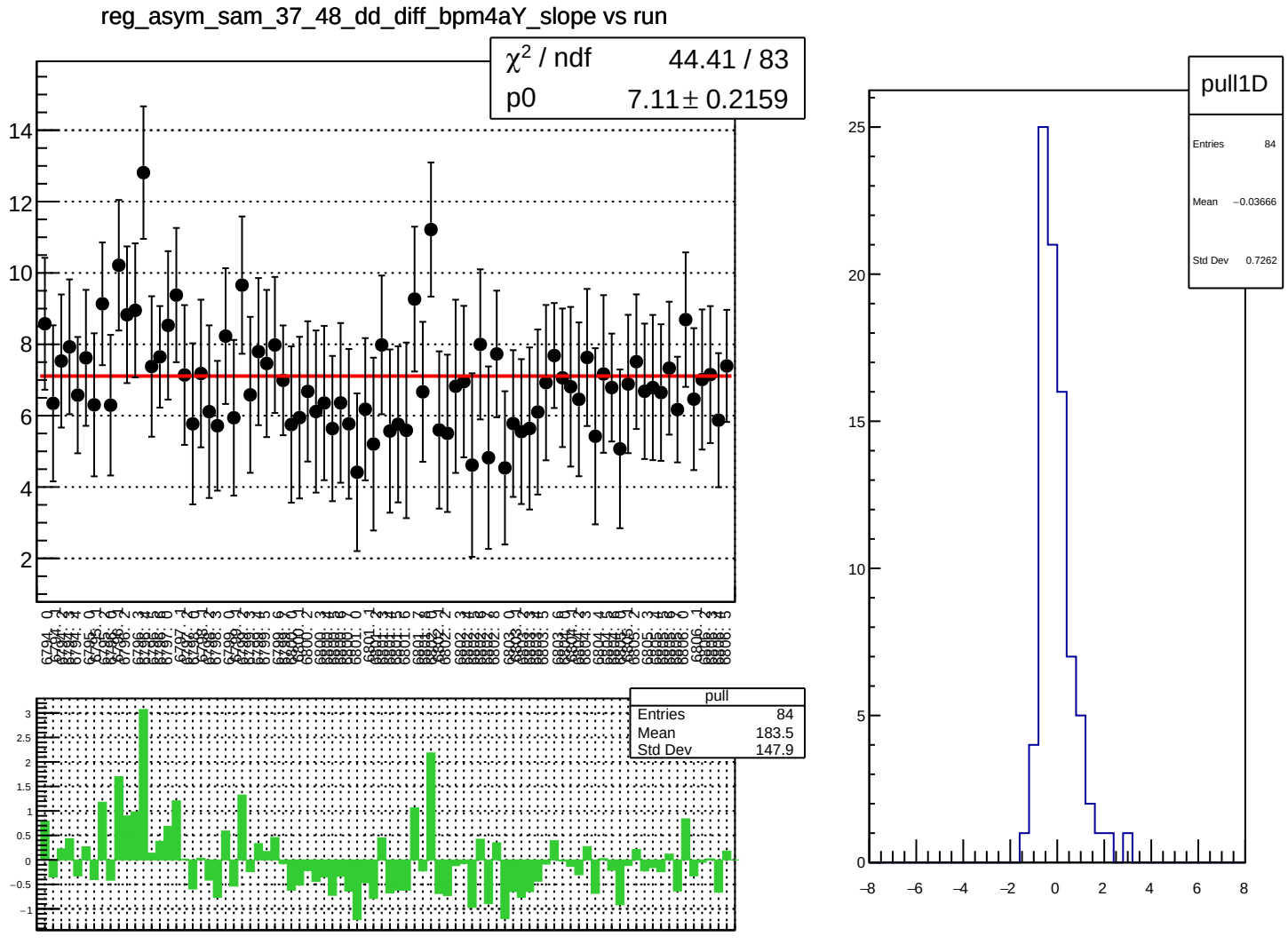

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 17.86 / 83
p0 −38.7 ± 0.3764
pull
Entries 84
Mean −1581
Std Dev 1613

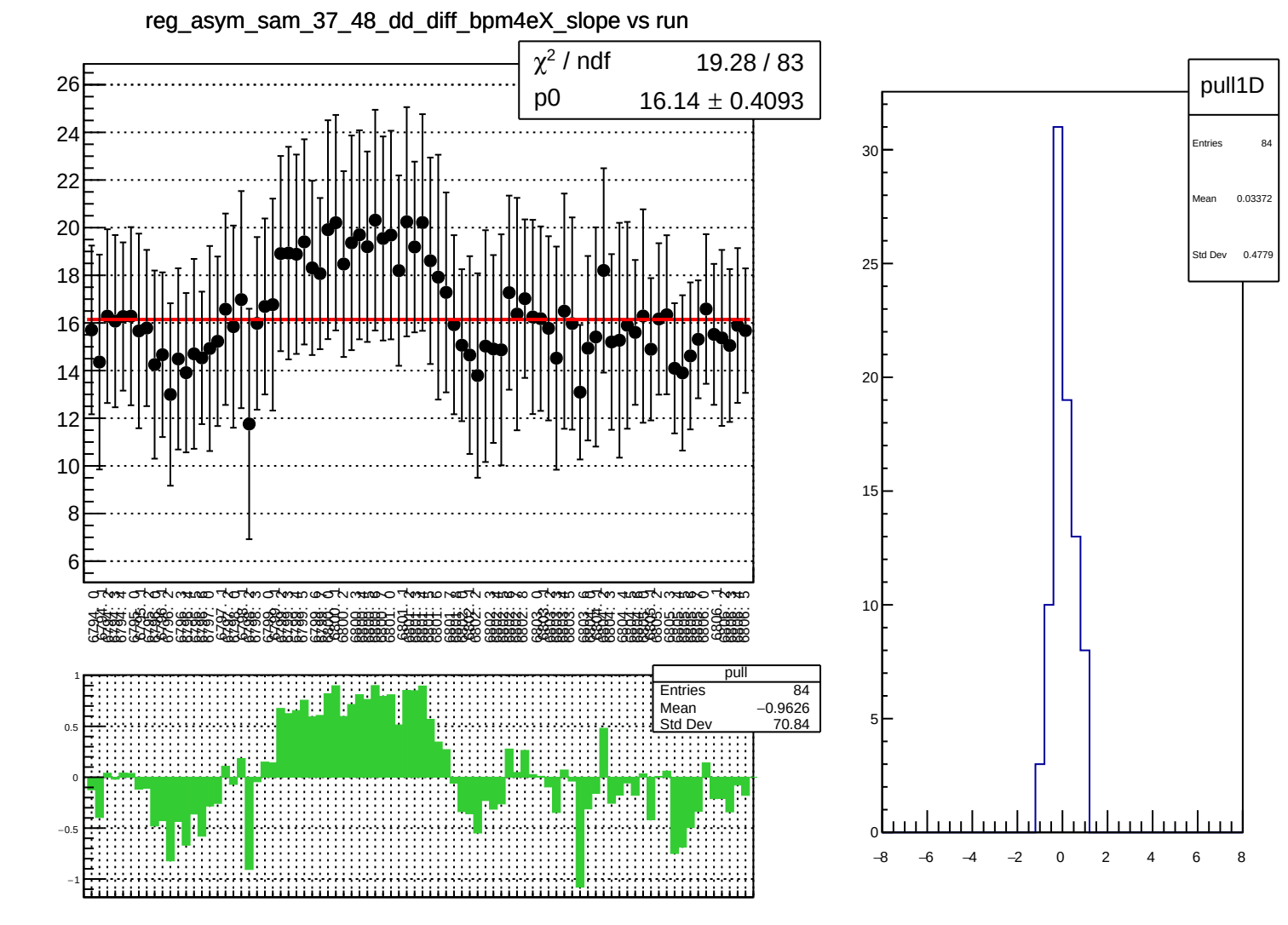

pull1D
Entries 84
Mean −0.0006592
Std Dev 0.461

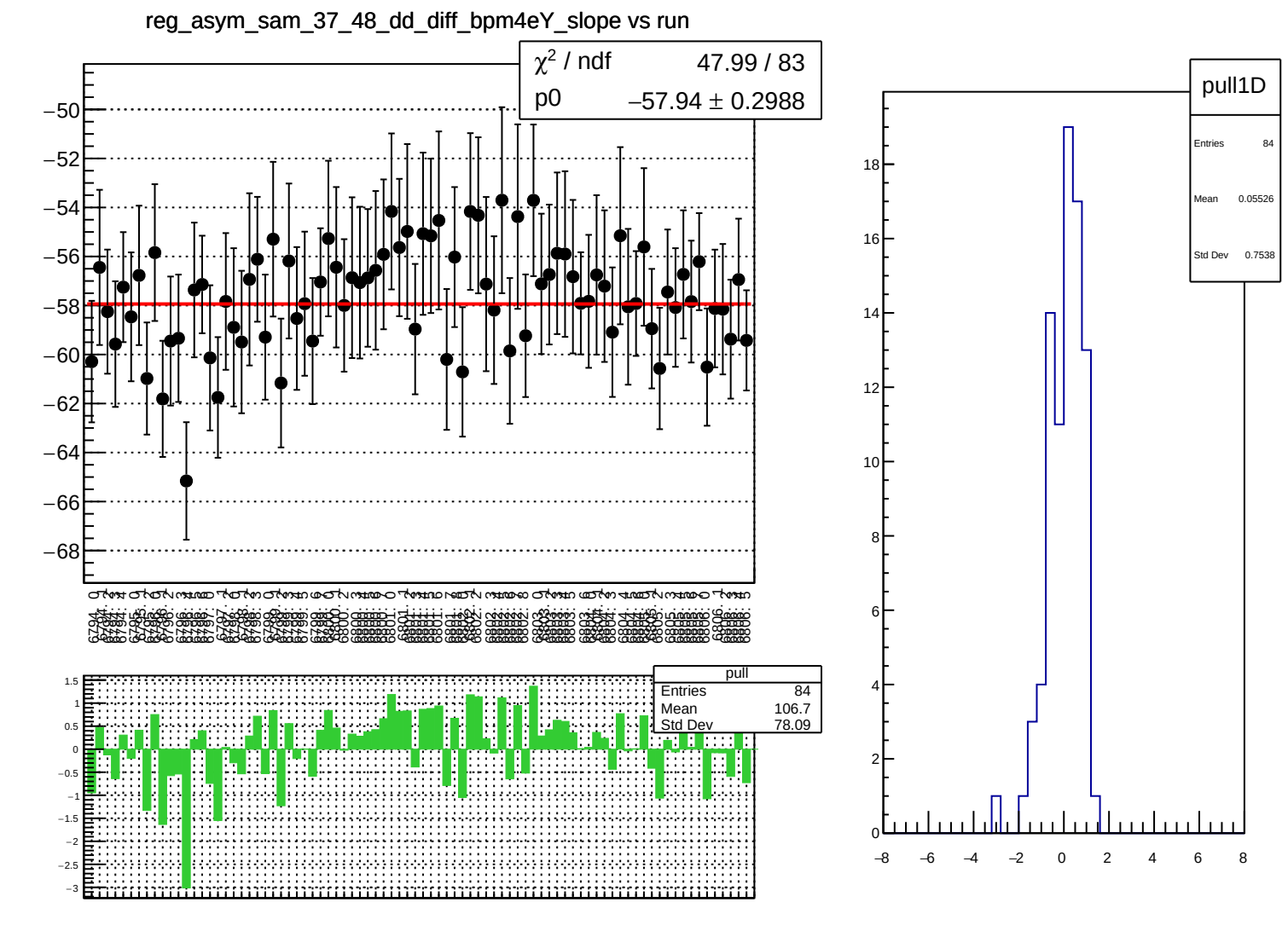

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 19.07 / 83
p0 0.04903 ± 0.02225
pull
Entries 84
Mean −769.1
Std Dev 844.5
pull1D
Entries 84
Mean −0.003331
Std Dev 0.4765

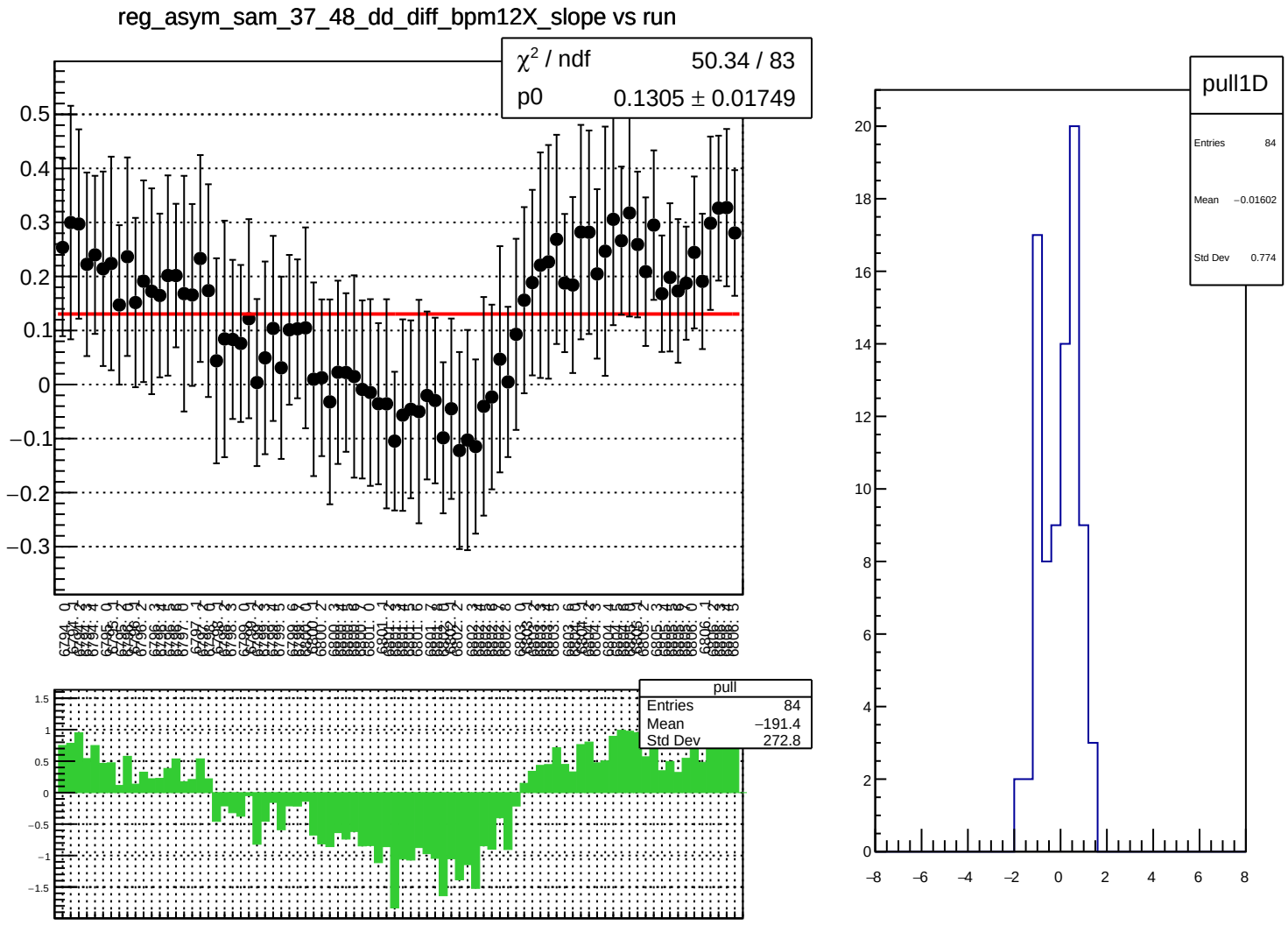

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 18.5 / 83
p0 −1.06 ± 0.4367
pull
Entries 84
Mean −18.51
Std Dev 85.1

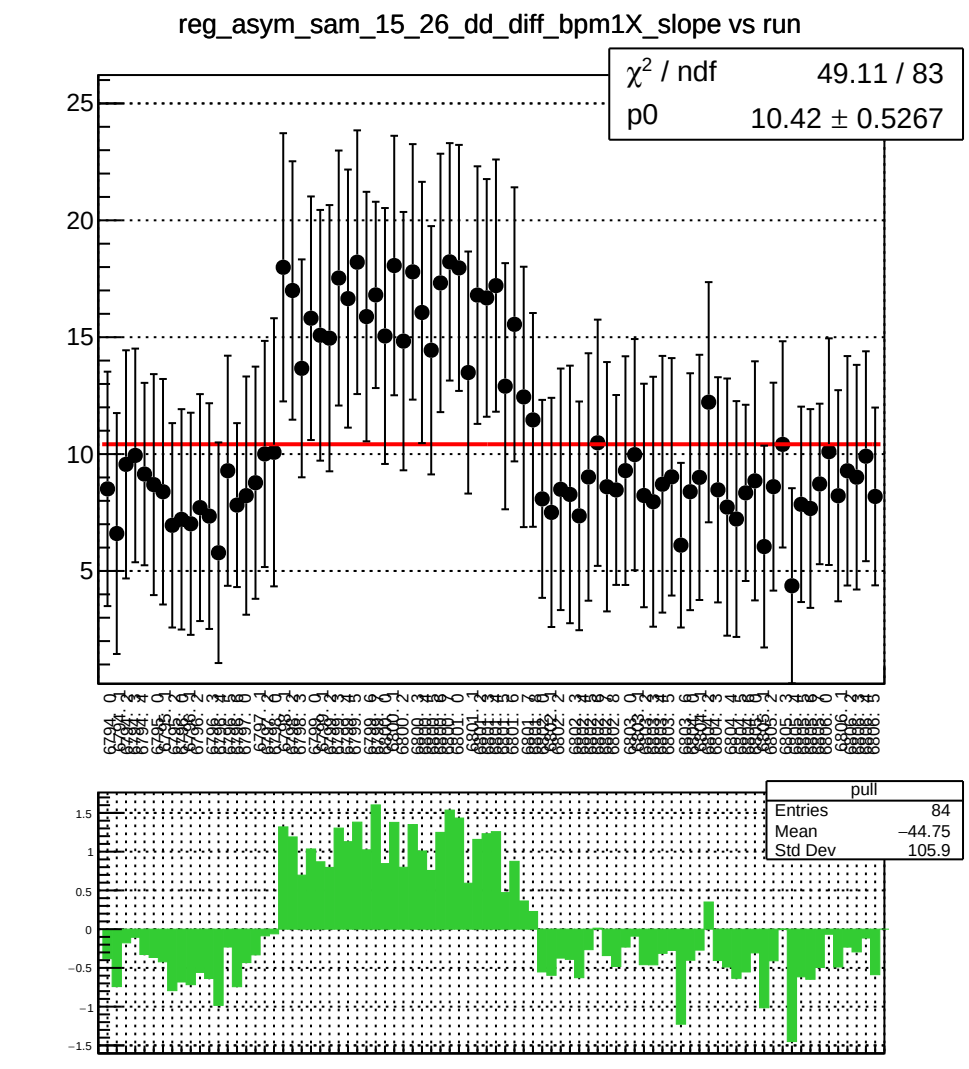

pull1D
Entries 84
Mean −0.03199
Std Dev 0.4682

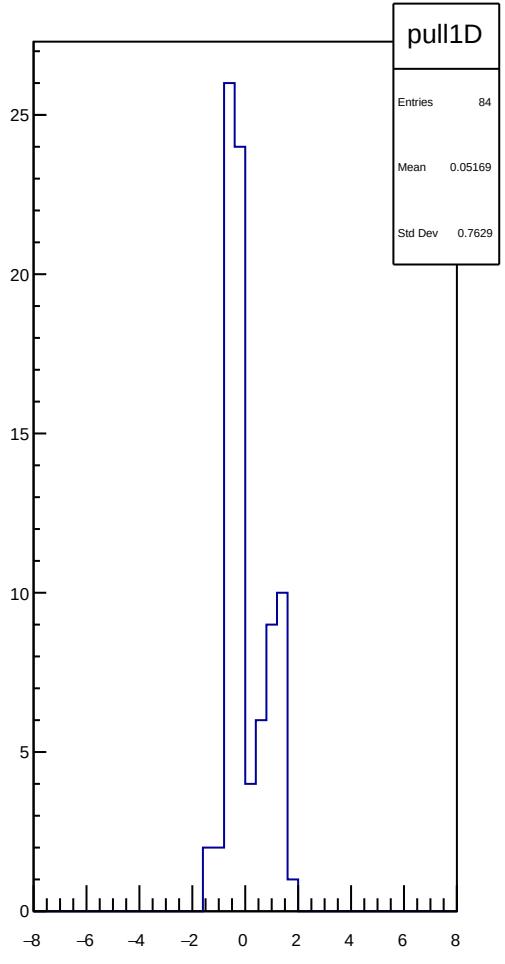

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 44.41 / 83
p0 7.11 ± 0.2159
pull
Entries 84
Mean 183.5
Std Dev 147.9
pull1D
Entries 84
Mean −0.03666
Std Dev 0.7262

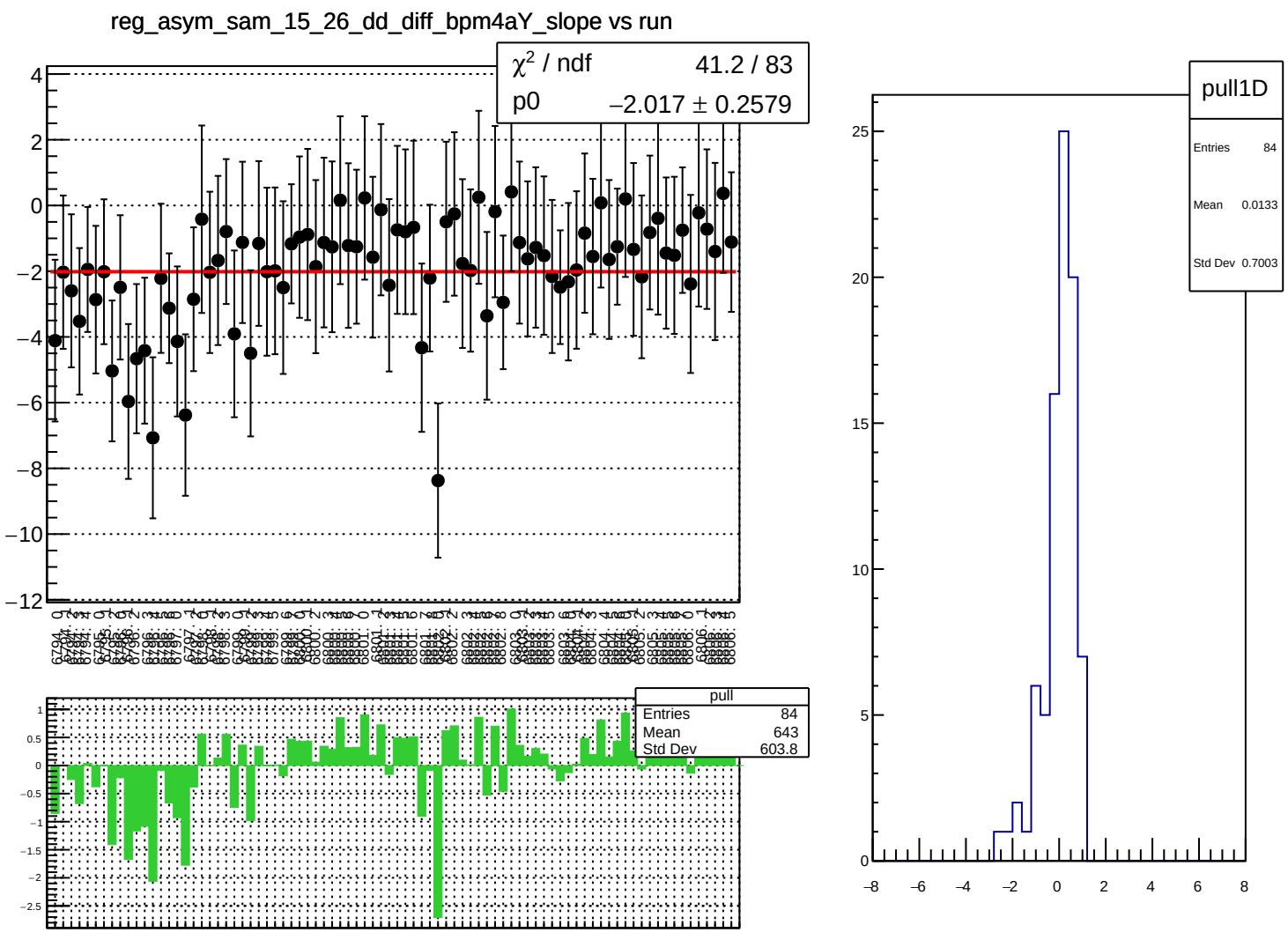

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 19.28 / 83
p0 16.14 ± 0.4093
pull
Entries 84
Mean −0.9626
Std Dev 70.84
pull1D
Entries 84
Mean 0.03372
Std Dev 0.4779

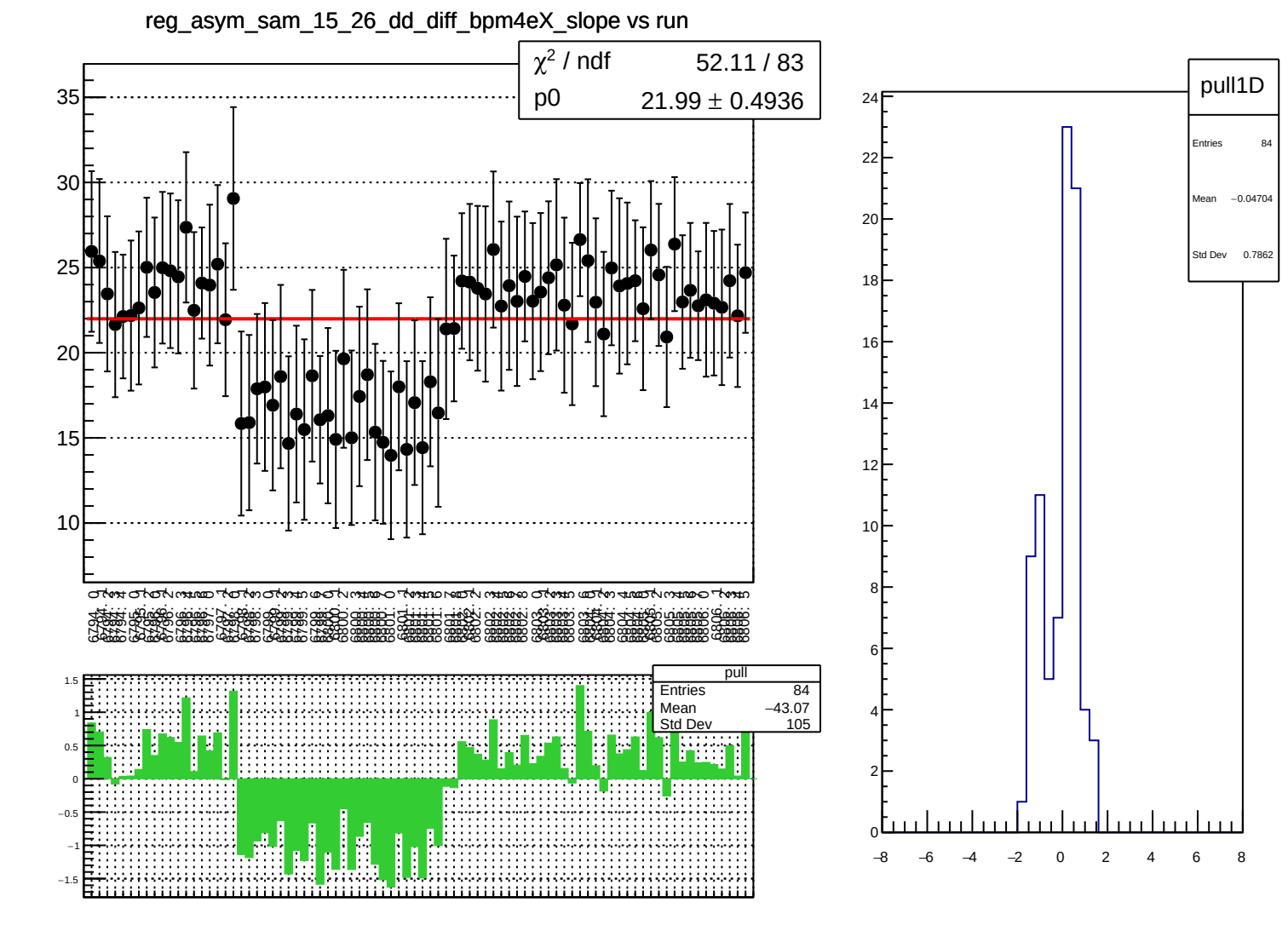

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 47.99 / 83
p0 −57.94 ± 0.2988
pull
Entries 84
Mean 106.7
Std Dev 78.09
pull1D
Entries 84
Mean 0.05526
Std Dev 0.7538

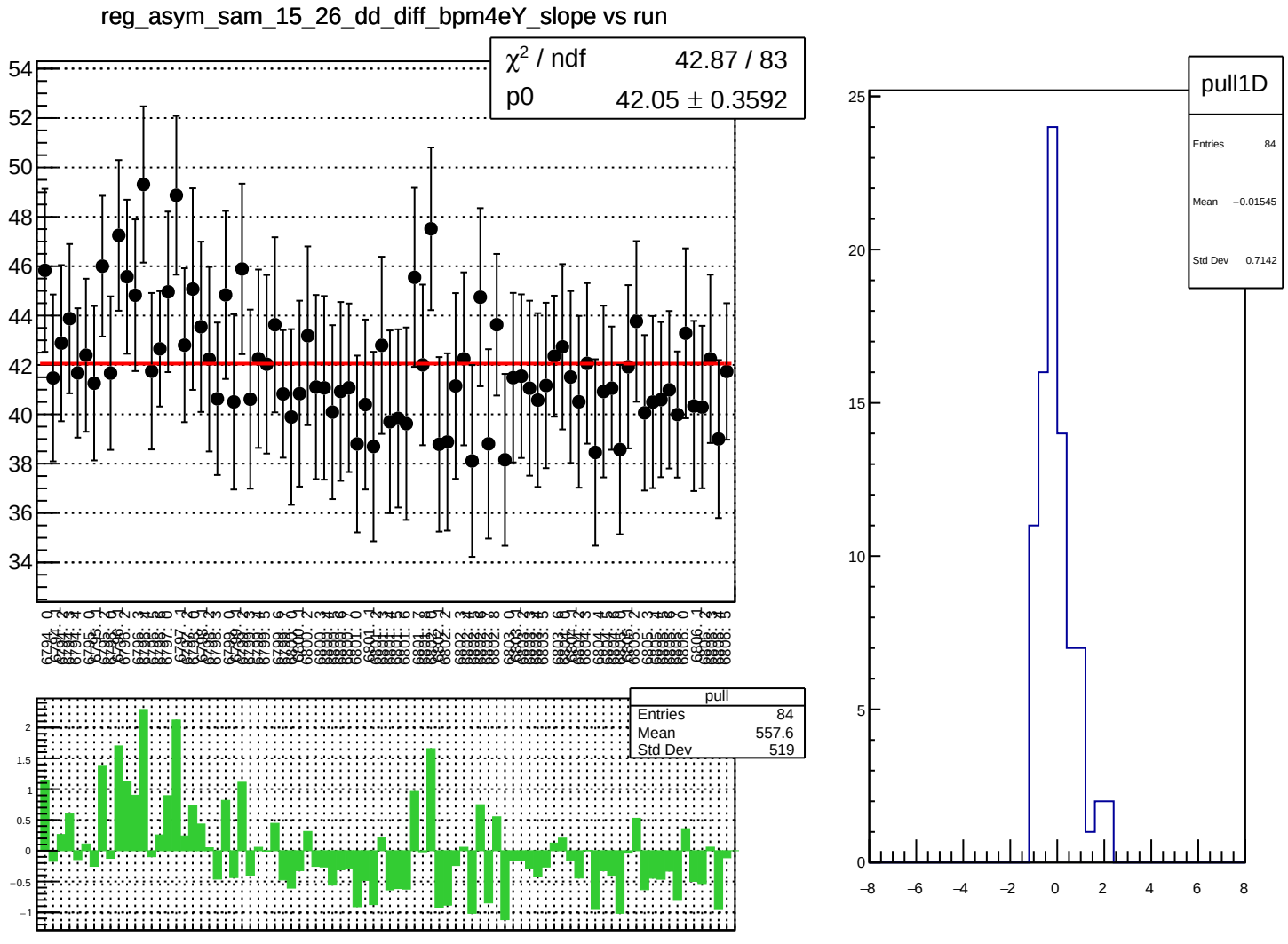

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 50.34 / 83
p0 0.1305 ± 0.01749
pull
Entries 84
Mean −191.4
Std Dev 272.8
pull1D
Entries 84
Mean −0.01602
Std Dev 0.774

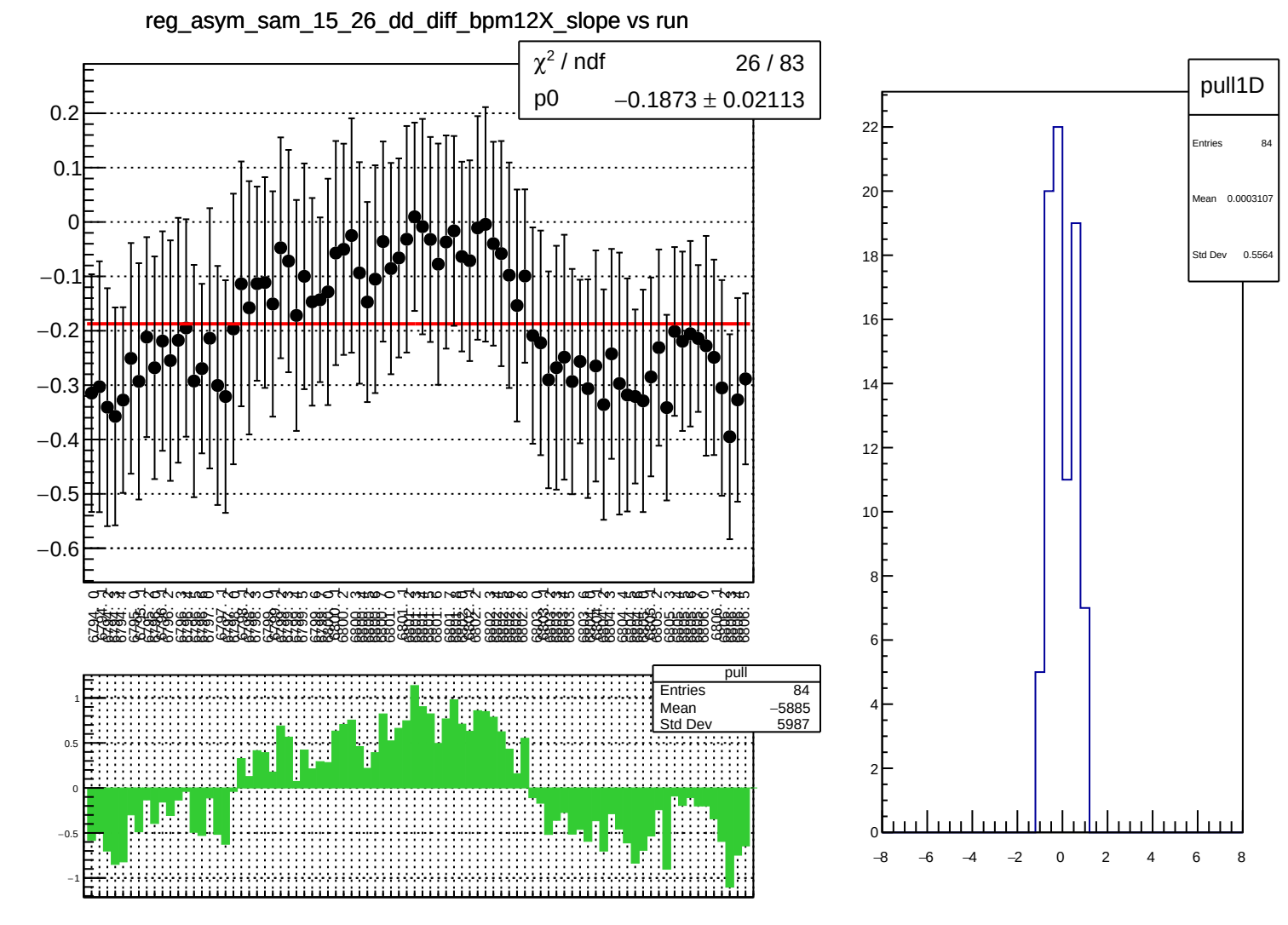

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 49.11 / 83
p0 10.42 ± 0.5267
pull
Entries 84
Mean −44.75
Std Dev 105.9

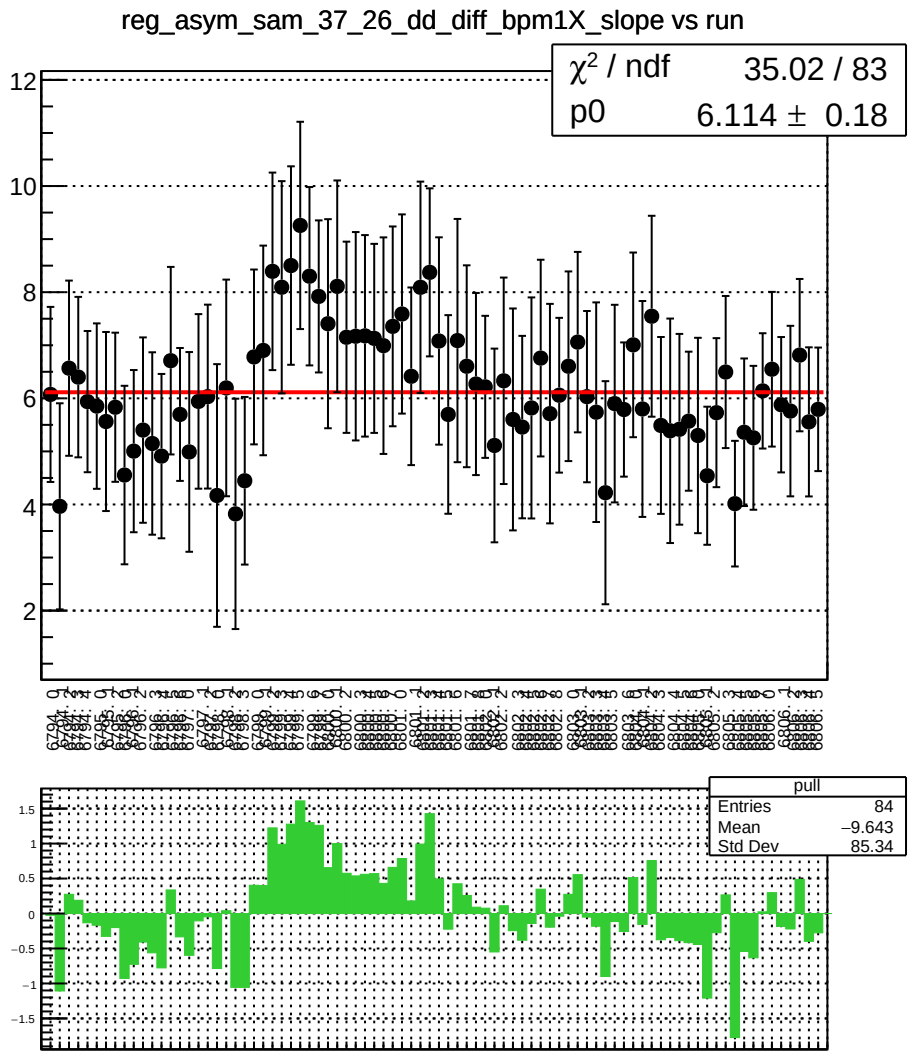

pull1D
Entries 84
Mean 0.05169
Std Dev 0.7629

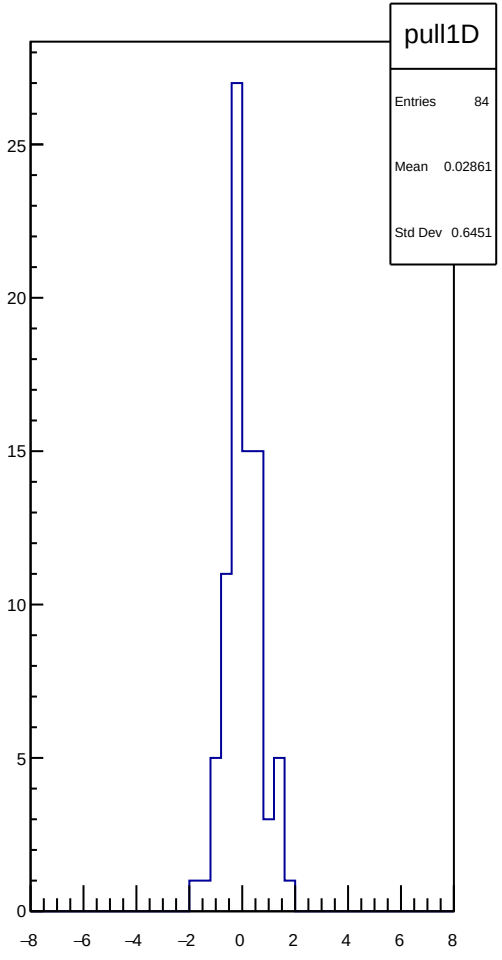

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 41.2 / 83
p0 −2.017 ± 0.2579
pull
Entries 84
Mean 643
Std Dev 603.8
pull1D
Entries 84
Mean 0.0133
Std Dev 0.7003

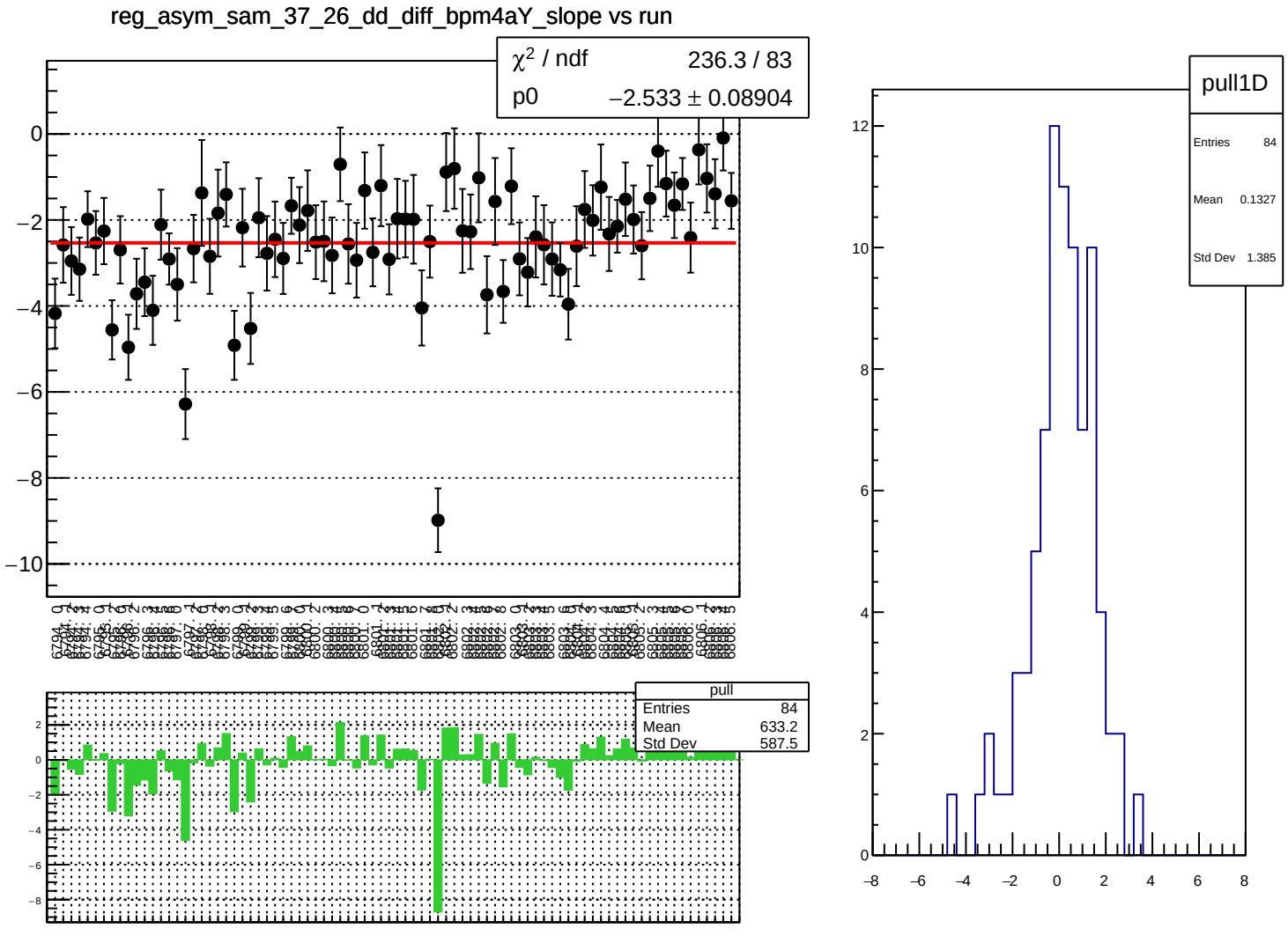

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 52.11 / 83
p0 21.99 ± 0.4936
pull
Entries 84
Mean −43.07
Std Dev 105
pull1D
Entries 84
Mean −0.04704
Std Dev 0.7862

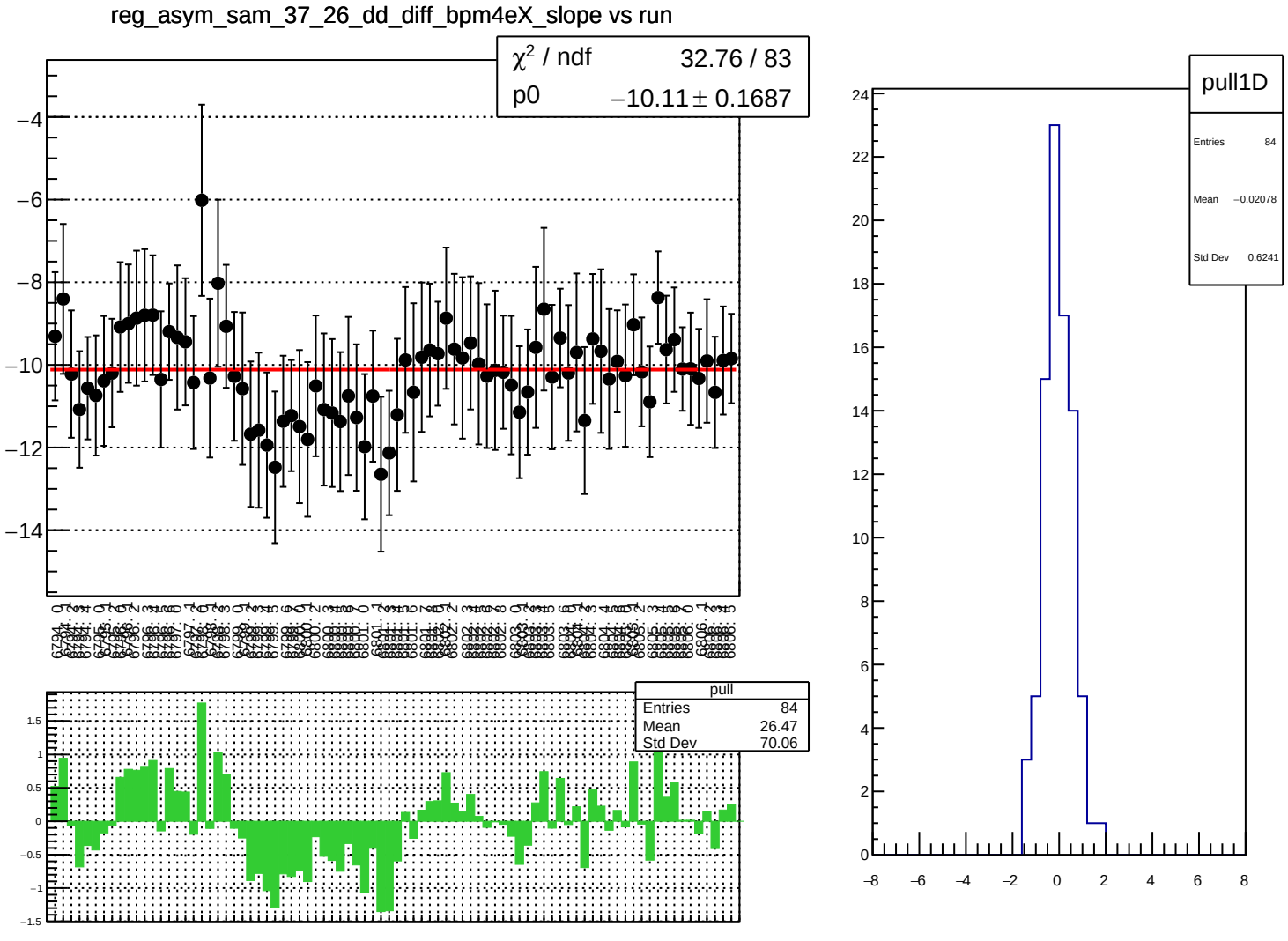

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 42.87 / 83
p0 42.05 ± 0.3592
pull
Entries 84
Mean 557.6
Std Dev 519
pull1D
Entries 84
Mean −0.01545
Std Dev 0.7142

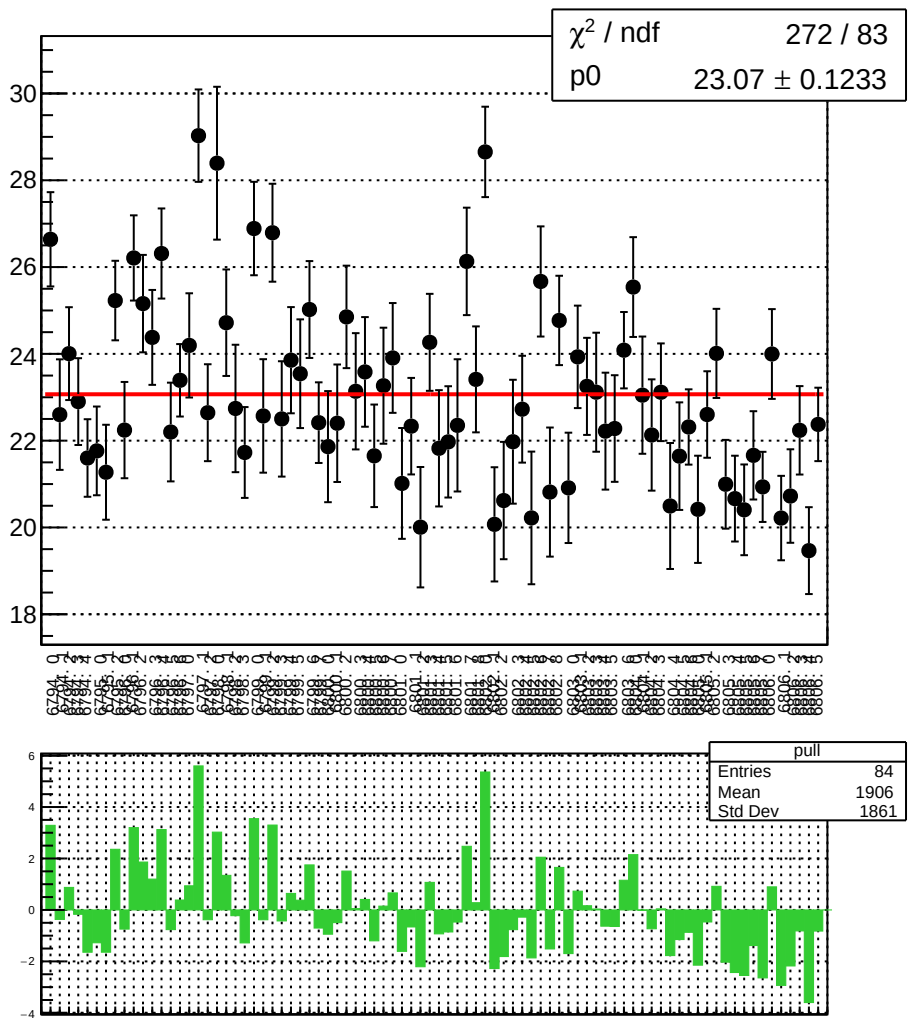

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 26 / 83
p0 −0.1873 ± 0.02113
pull
Entries 84
Mean −5885
Std Dev 5987
pull1D
Entries 84
Mean 0.0003107
Std Dev 0.5564

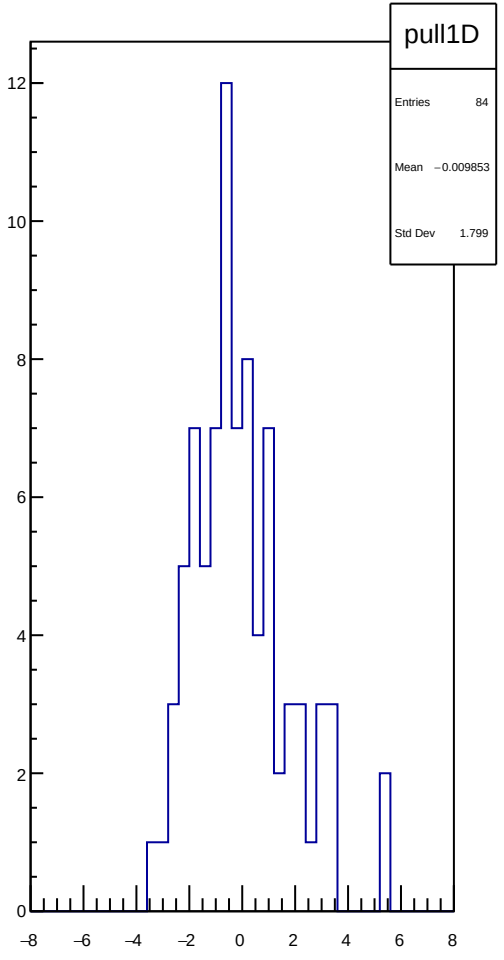

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 35.02 / 83
p0 6.114 ± 0.18
pull
Entries 84
Mean −9.643
Std Dev 85.34

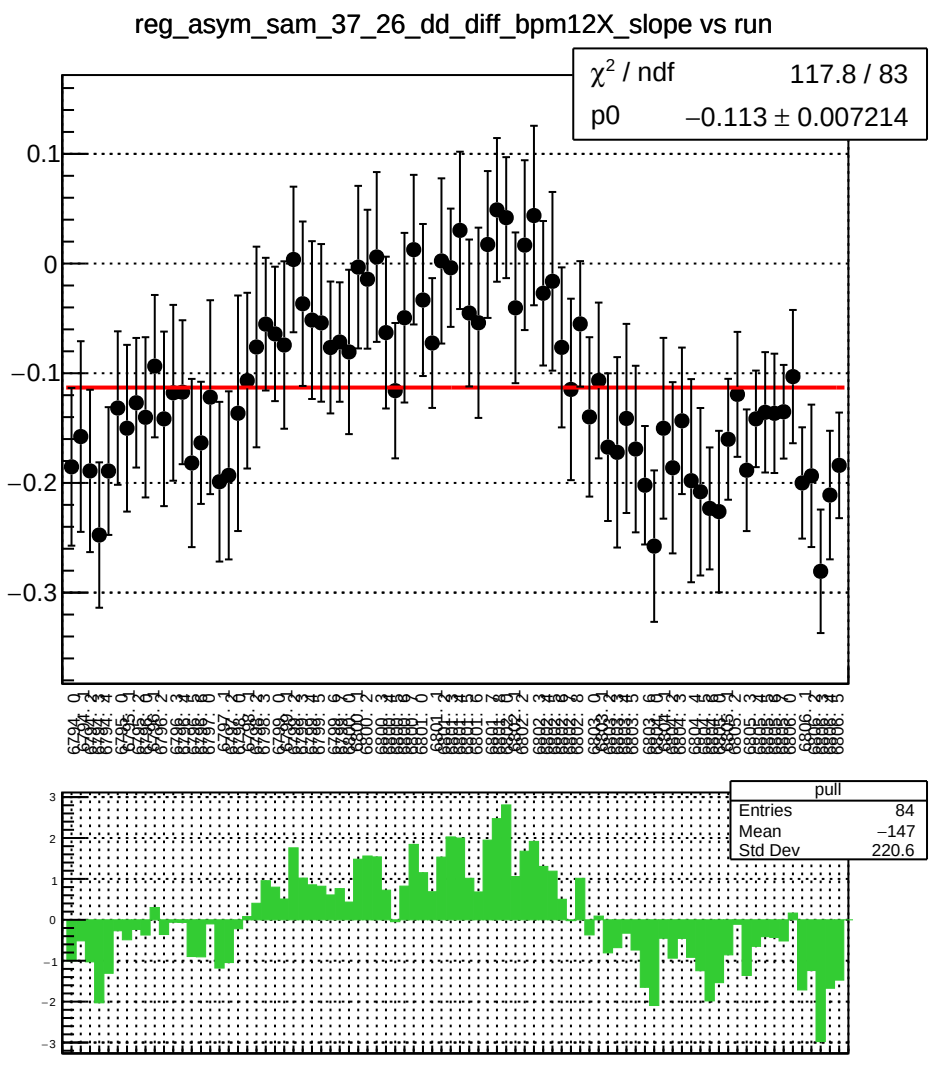

pull1D
Entries 84
Mean 0.02861
Std Dev 0.6451

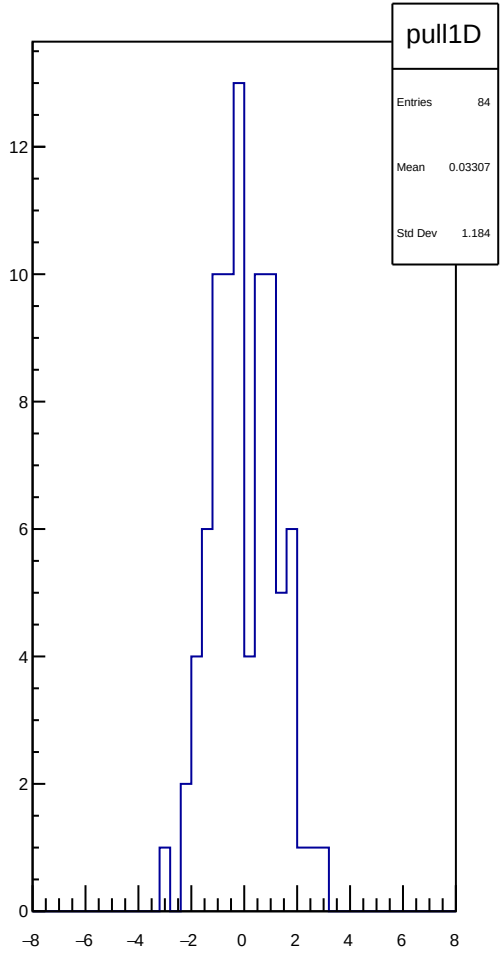

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 236.3 / 83
p0 −2.533 ± 0.08904
pull
Entries 84
Mean 633.2
Std Dev 587.5
pull1D
Entries 84
Mean 0.1327
Std Dev 1.385

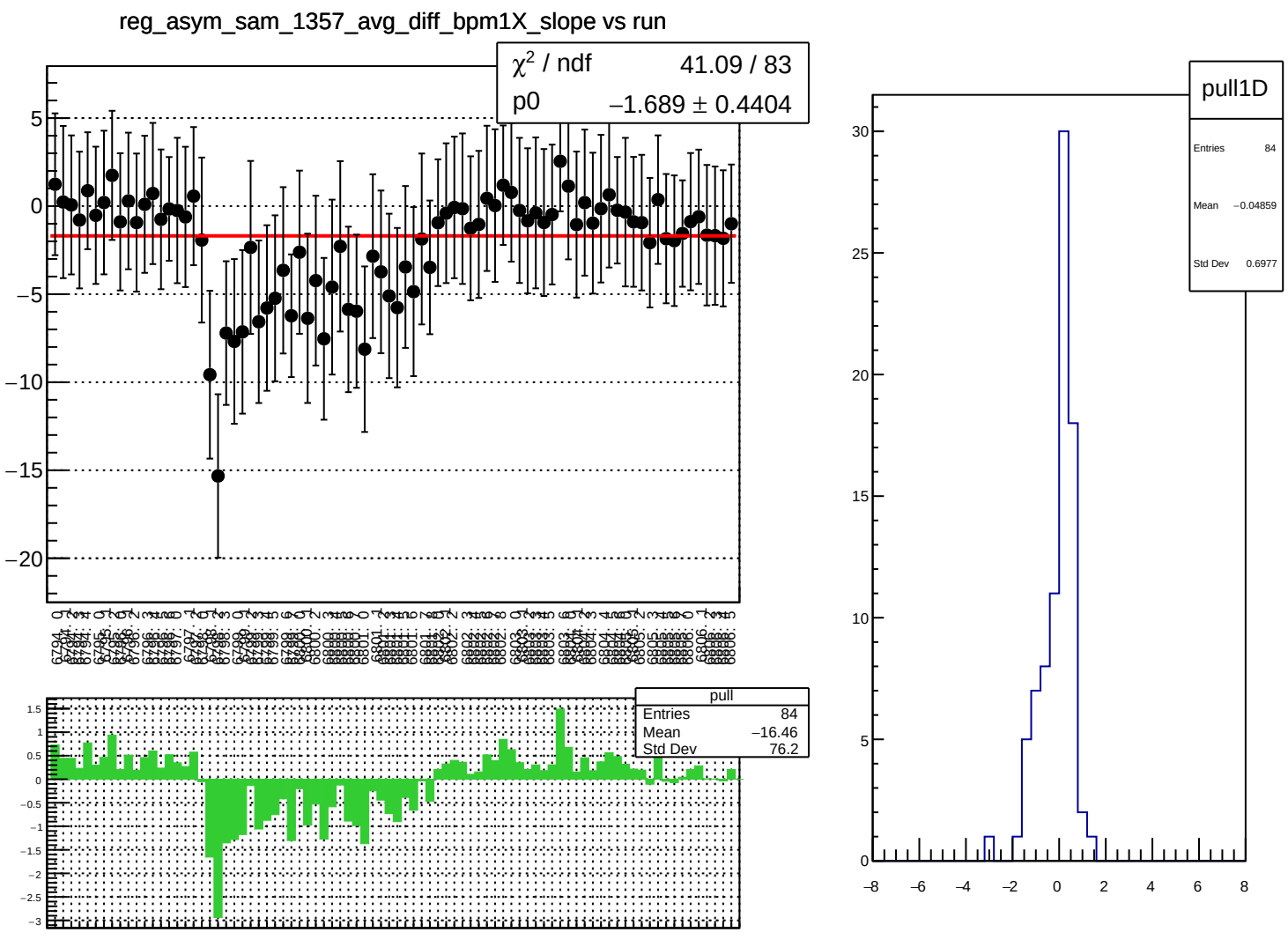

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 32.76 / 83
p0 −10.11 ± 0.1687
pull
Entries 84
Mean 26.47
Std Dev 70.06
pull1D
Entries 84
Mean −0.02078
Std Dev 0.6241

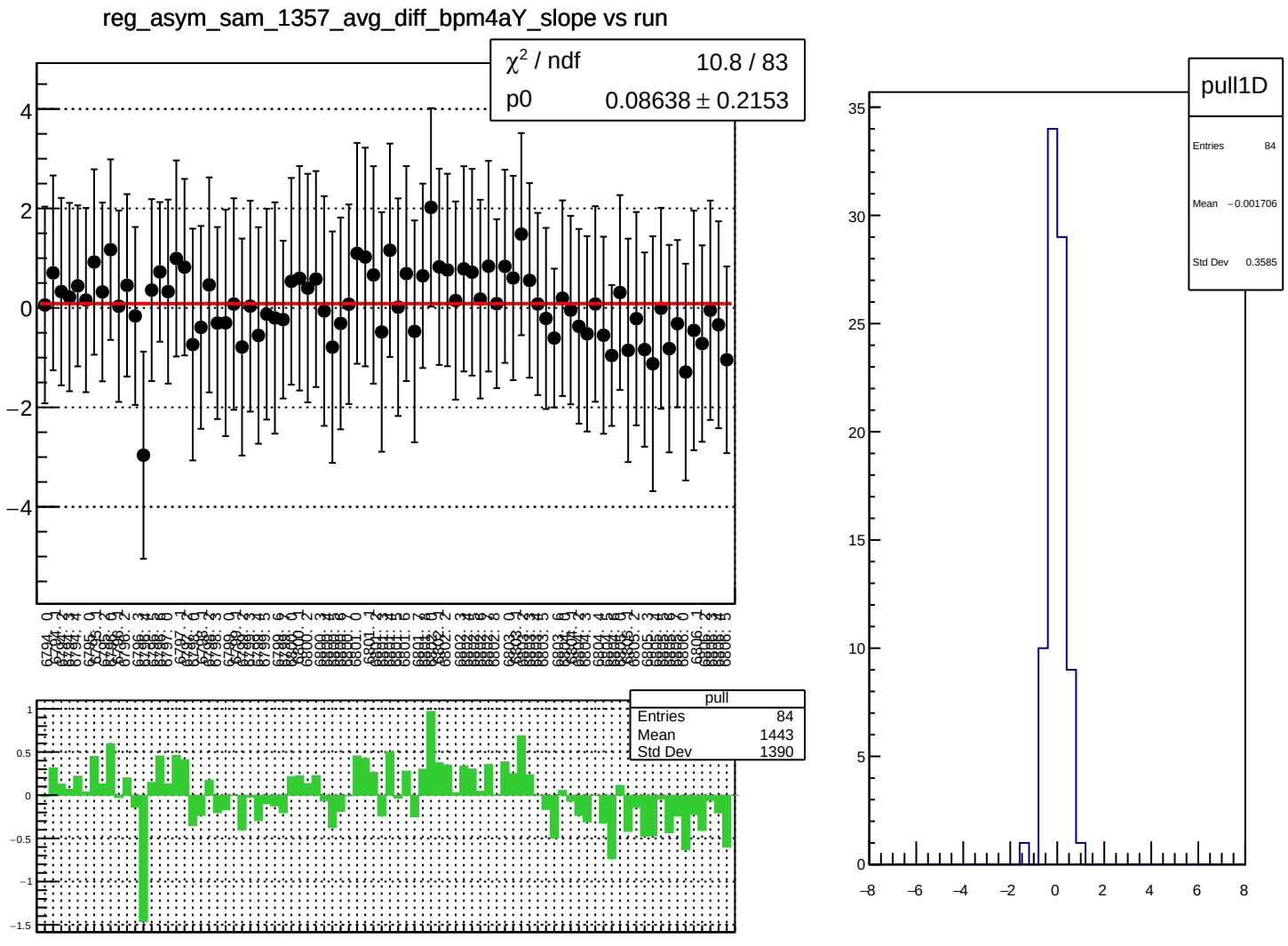

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 272 / 83
p0 23.07 ± 0.1233
pull
Entries 84
Mean 1906
Std Dev 1861

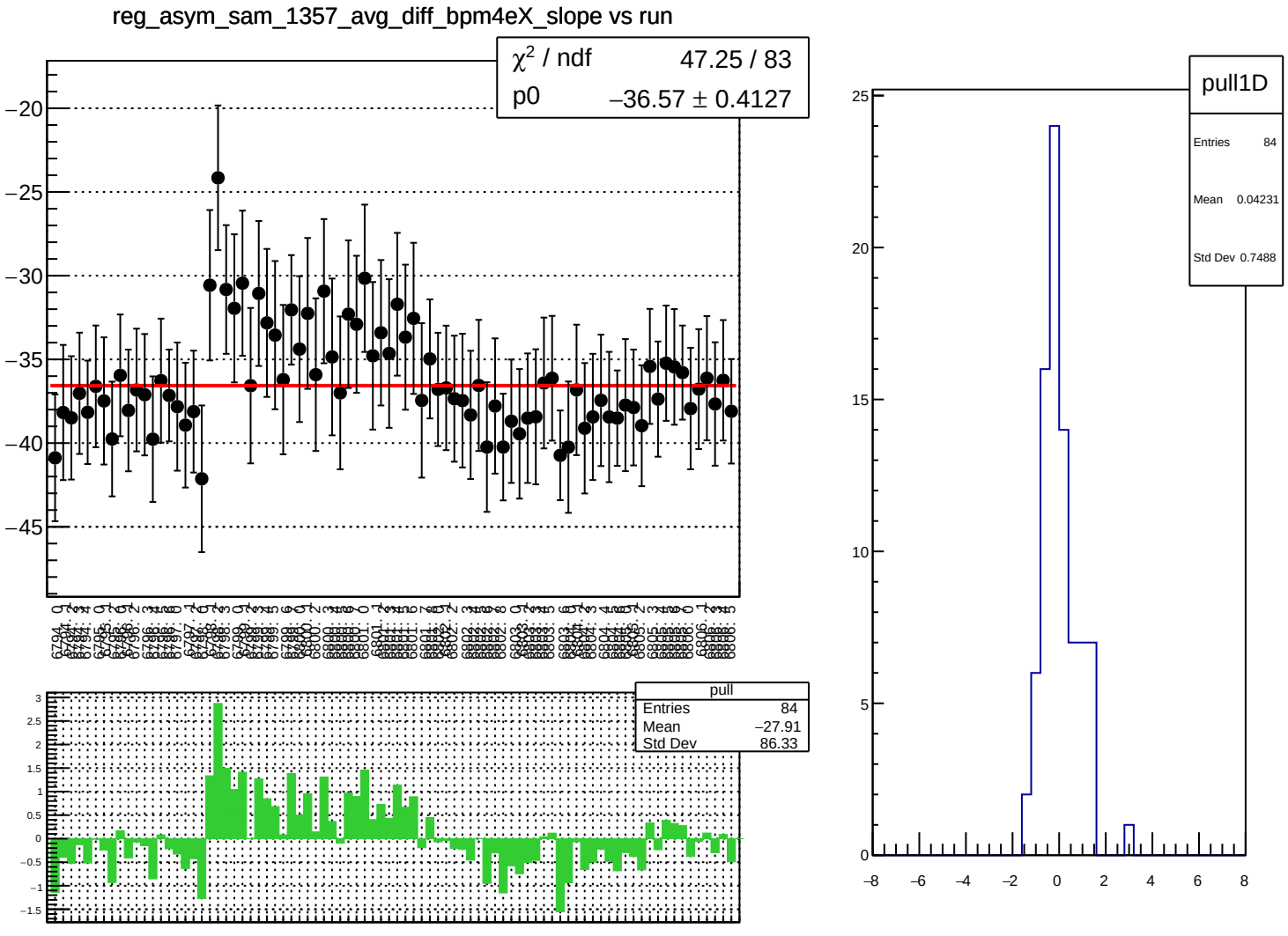

pull1D
Entries 84
Mean −0.009853
Std Dev 1.799

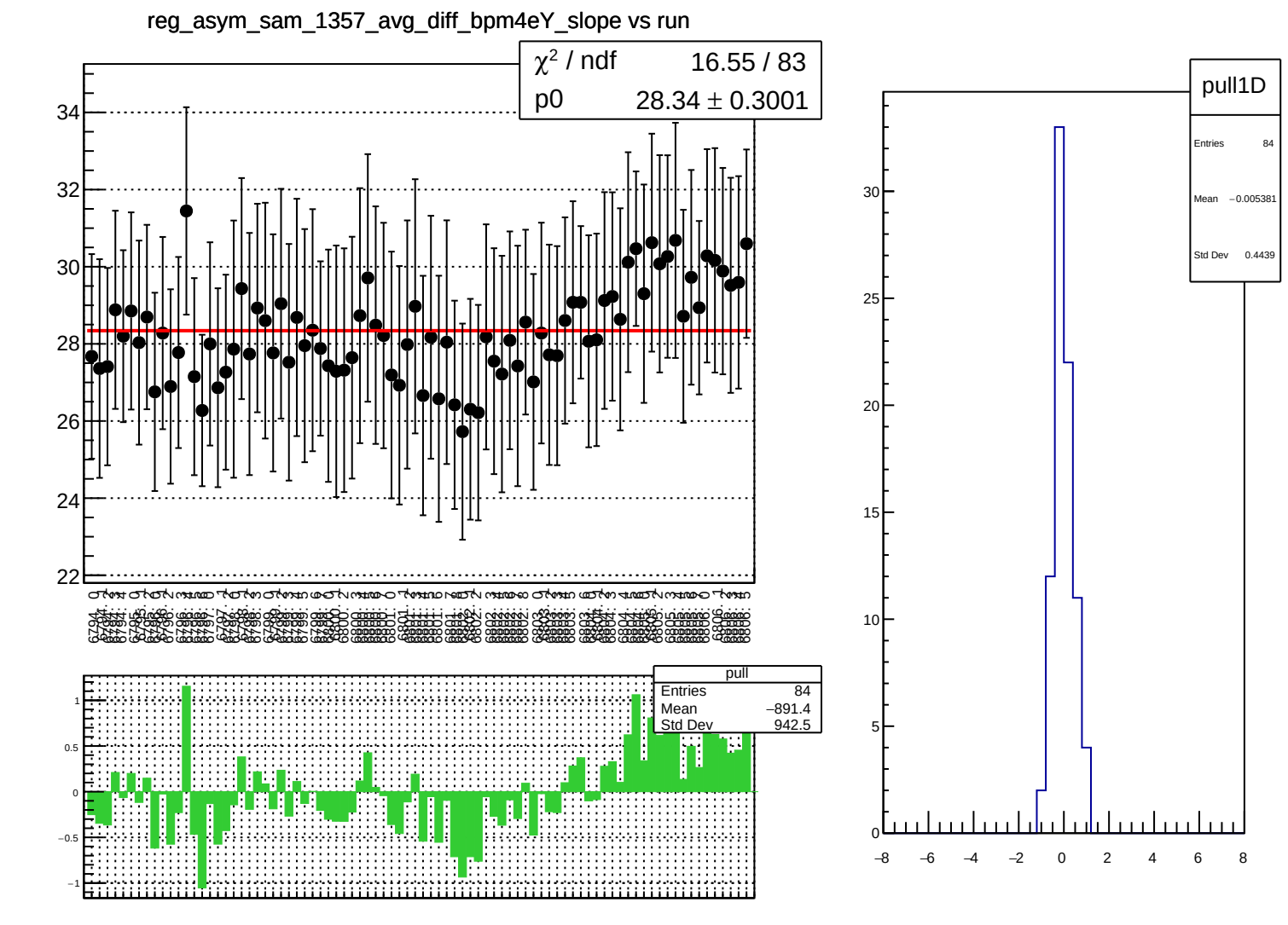

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 117.8 / 83
p0 −0.113 ± 0.007214
0.1
0
−0.1
−0.2
−0.3
pull
Entries 84
Mean −147
Std Dev 220.6
3
2
1
0
−1
−2
−3

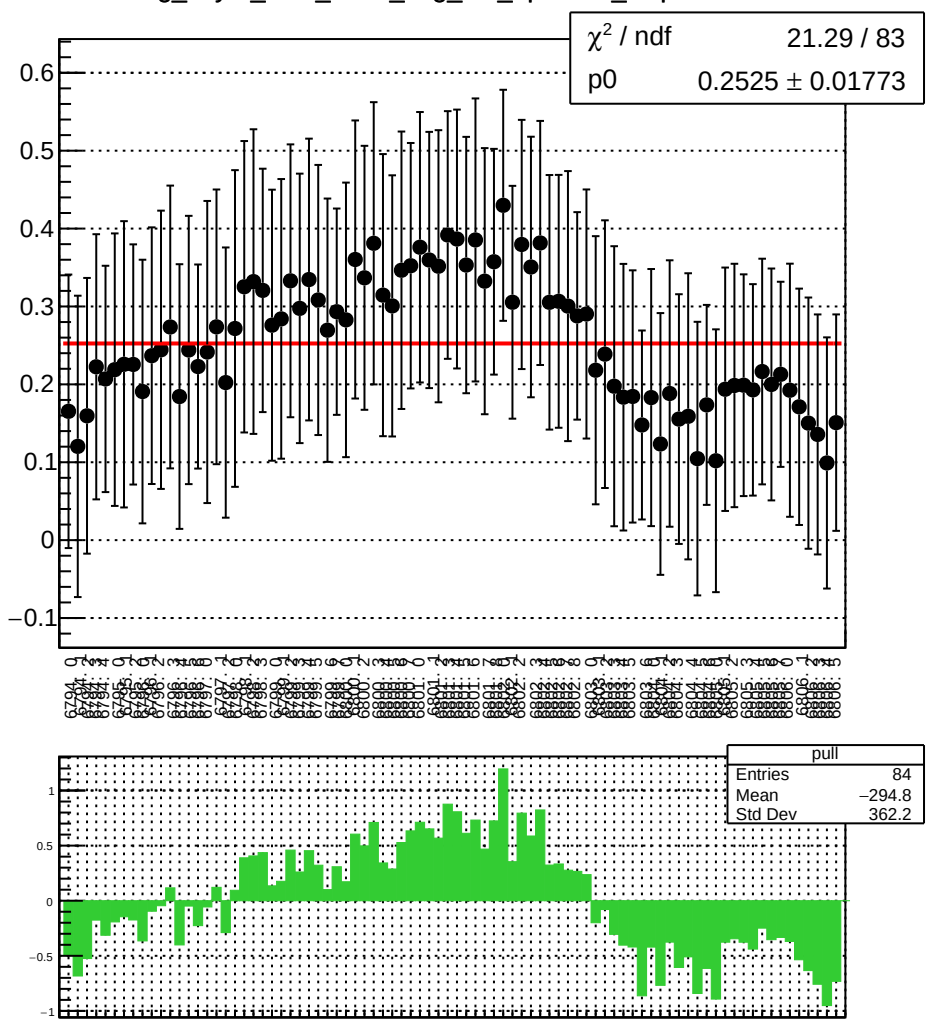

pull1D
Entries 84
Mean 0.03307
Std Dev 1.184
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

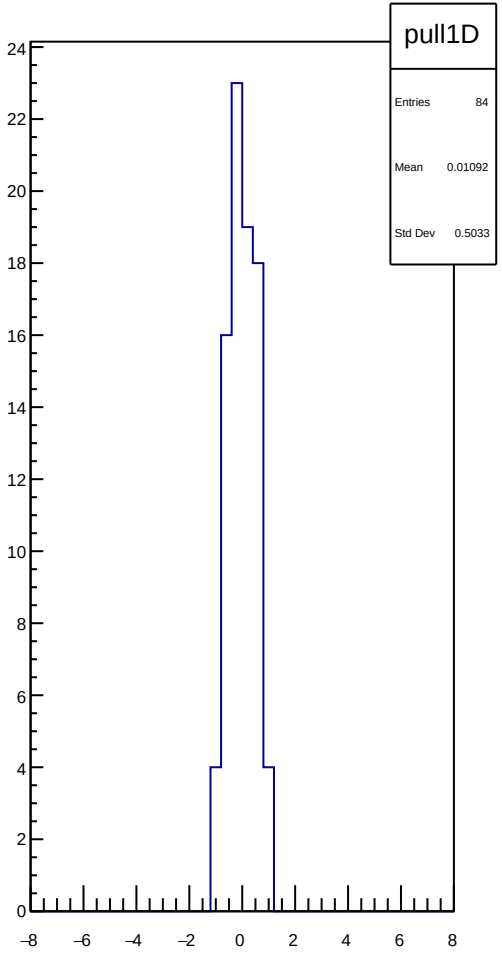

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 41.09 / 83
p0 −1.689 ± 0.4404
pull
Entries 84
Mean −16.46
Std Dev 76.2
pull1D
Entries 84
Mean −0.04859
Std Dev 0.6977

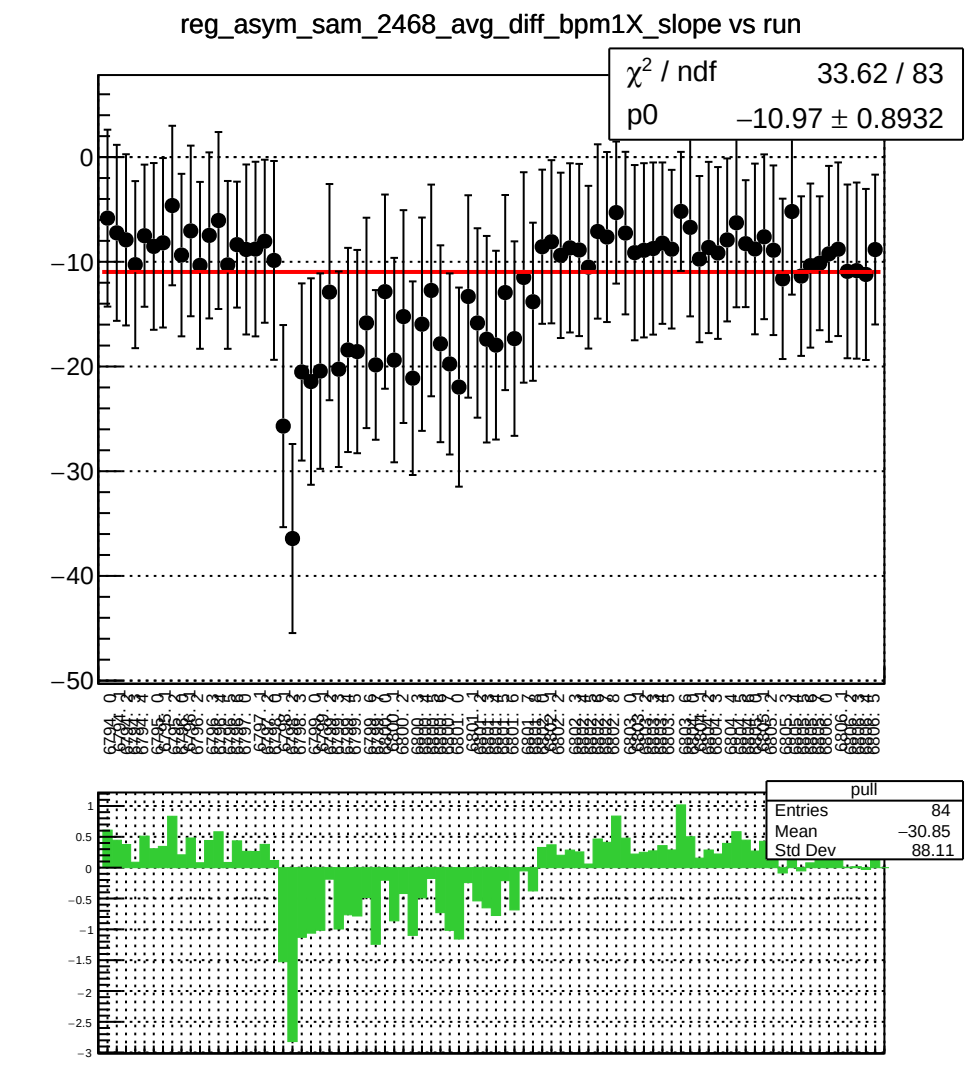

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.8 / 83
p0 0.08638 ± 0.2153
pull
Entries 84
Mean 1443
Std Dev 1390
pull1D
Entries 84
Mean −0.001706
Std Dev 0.3585

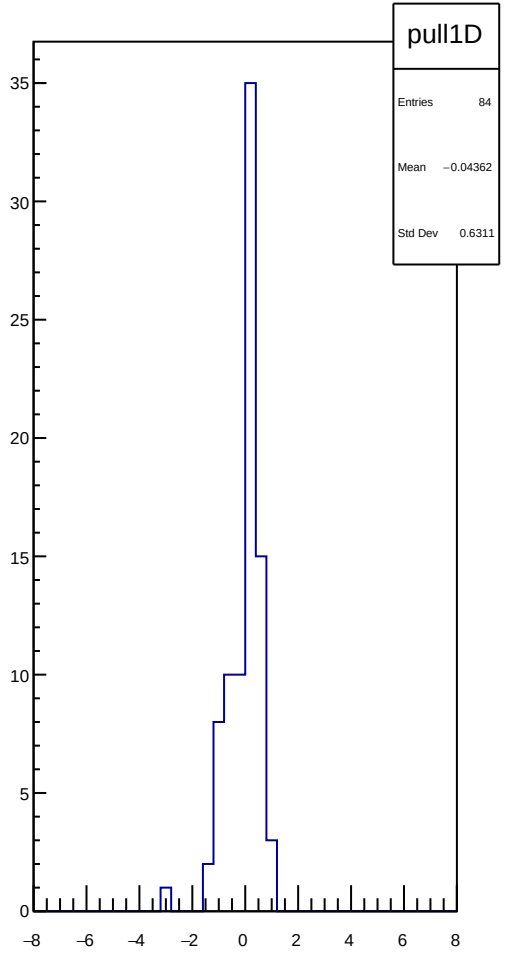

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 47.25 / 83
p0 −36.57 ± 0.4127
pull
Entries 84
Mean −27.91
Std Dev 86.33
pull1D
Entries 84
Mean 0.04231
Std Dev 0.7488

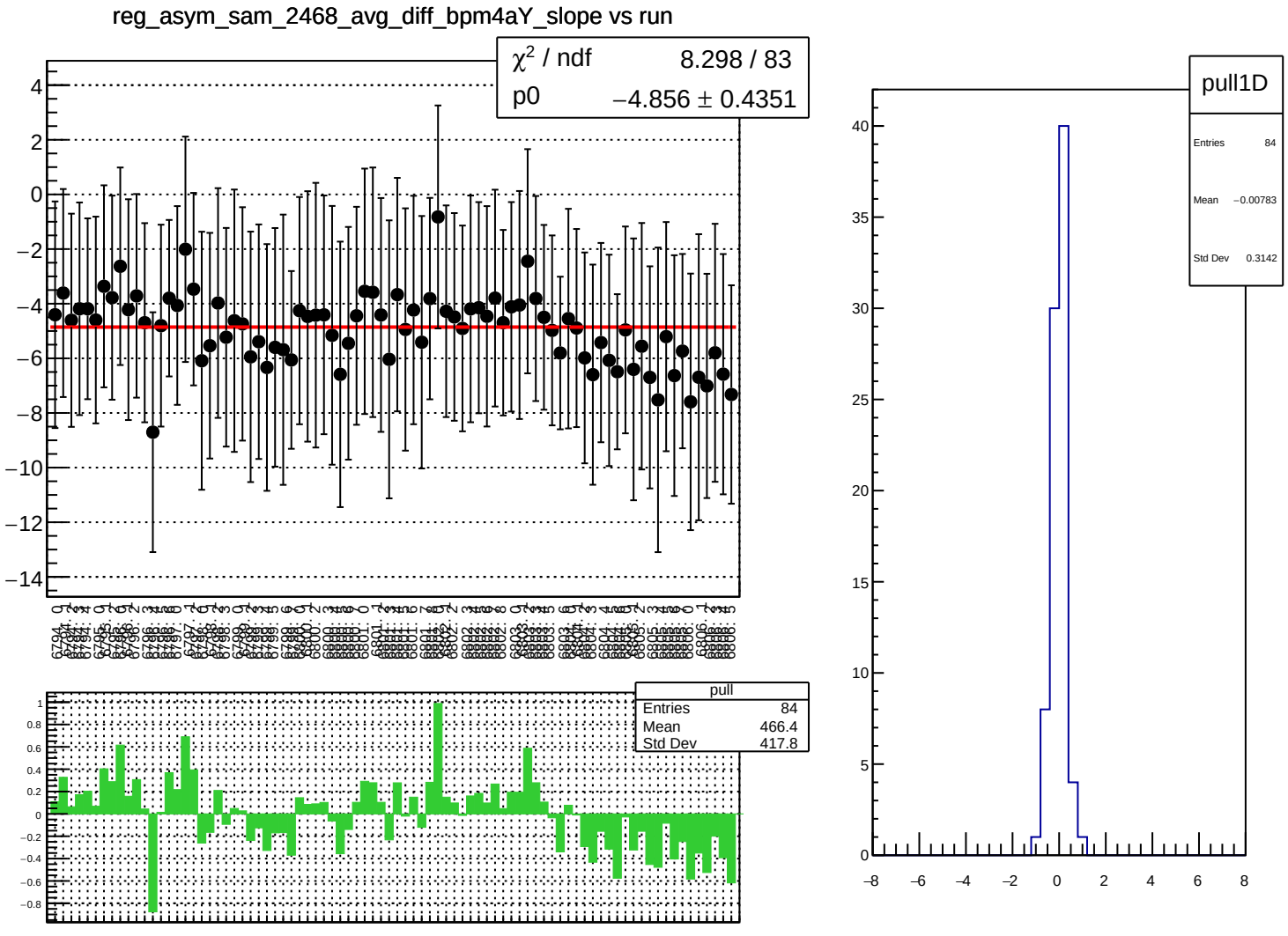

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 16.55 / 83
p0 28.34 ± 0.3001
pull
Entries 84
Mean −891.4
Std Dev 942.5
pull1D
Entries 84
Mean −0.005381
Std Dev 0.4439

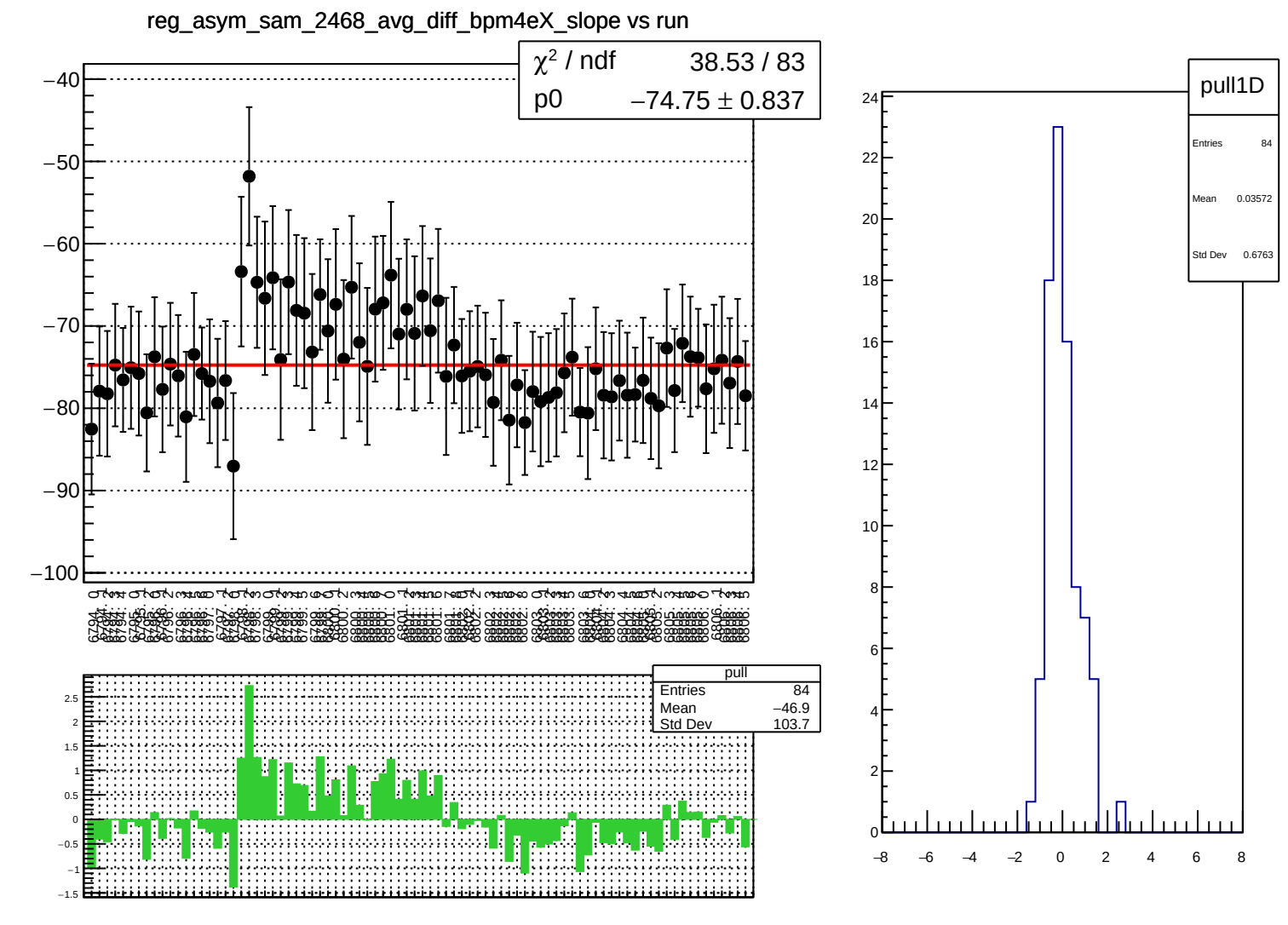

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 21.29 / 83
p0 0.2525 ± 0.01773
pull
Entries 84
Mean −294.8
Std Dev 362.2

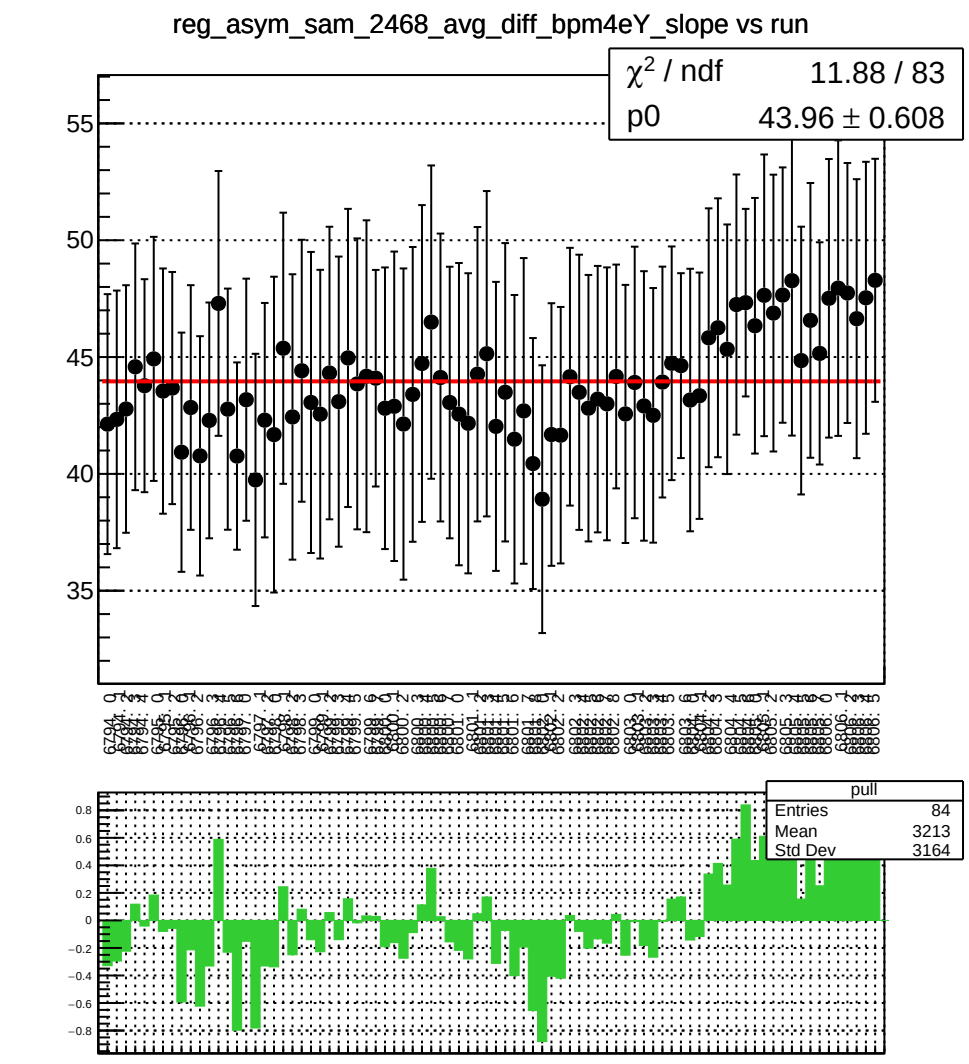

pull1D
Entries 84
Mean 0.01092
Std Dev 0.5033

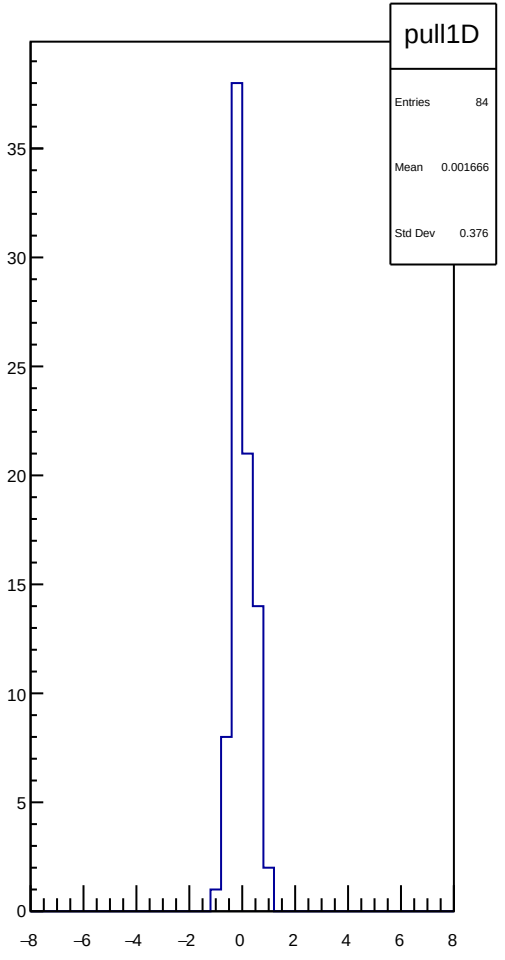

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 33.62 / 83
p0 −10.97 ± 0.8932
pull
Entries 84
Mean −30.85
Std Dev 88.11

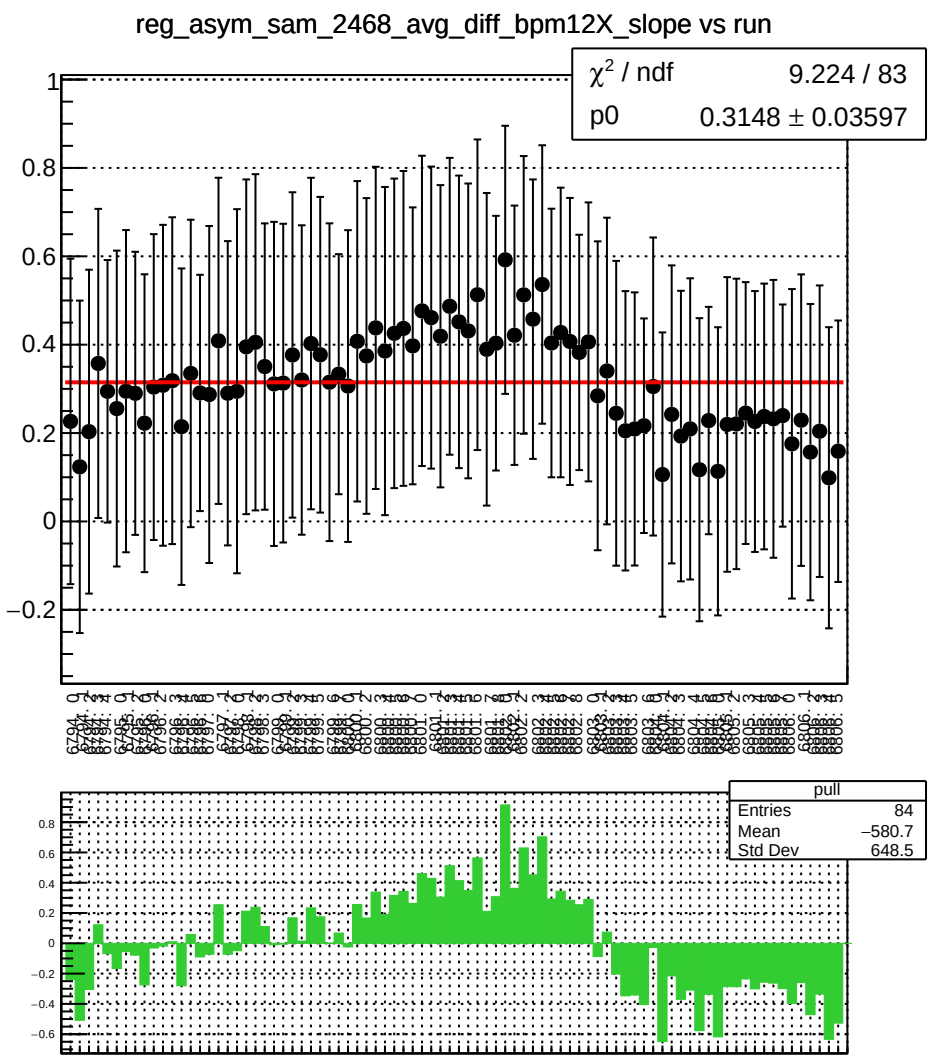

pull1D
Entries 84
Mean −0.04362
Std Dev 0.6311

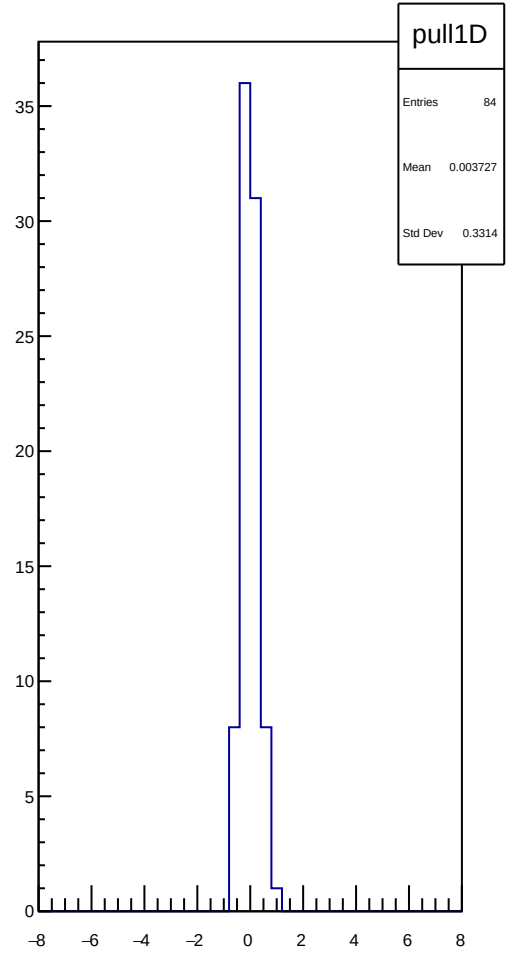

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.298 / 83
p0 −4.856 ± 0.4351
pull
Entries 84
Mean 466.4
Std Dev 417.8
pull1D
Entries 84
Mean −0.00783
Std Dev 0.3142

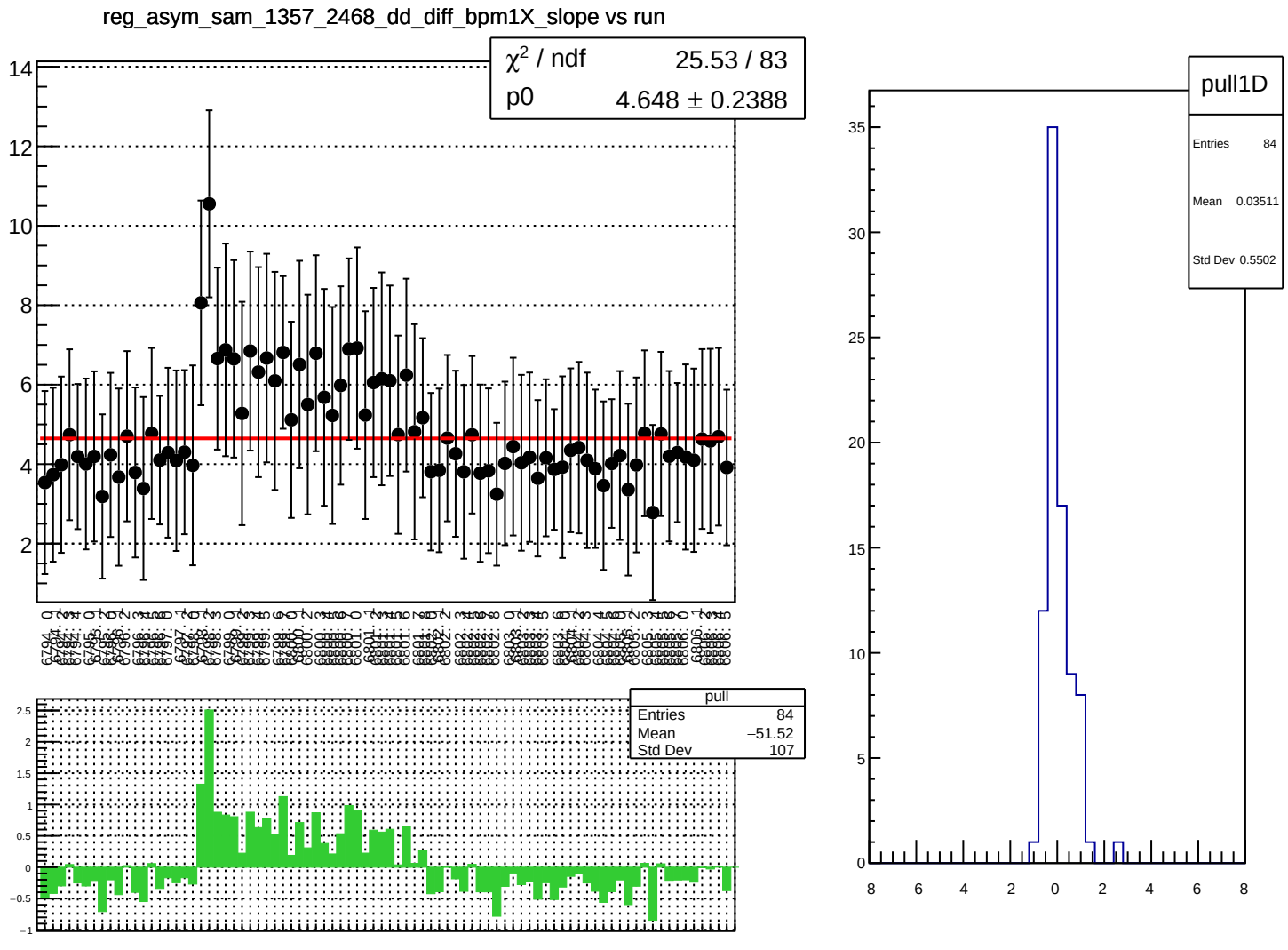

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 38.53 / 83
p0 −74.75 ± 0.837
pull
Entries 84
Mean −46.9
Std Dev 103.7
pull1D
Entries 84
Mean 0.03572
Std Dev 0.6763

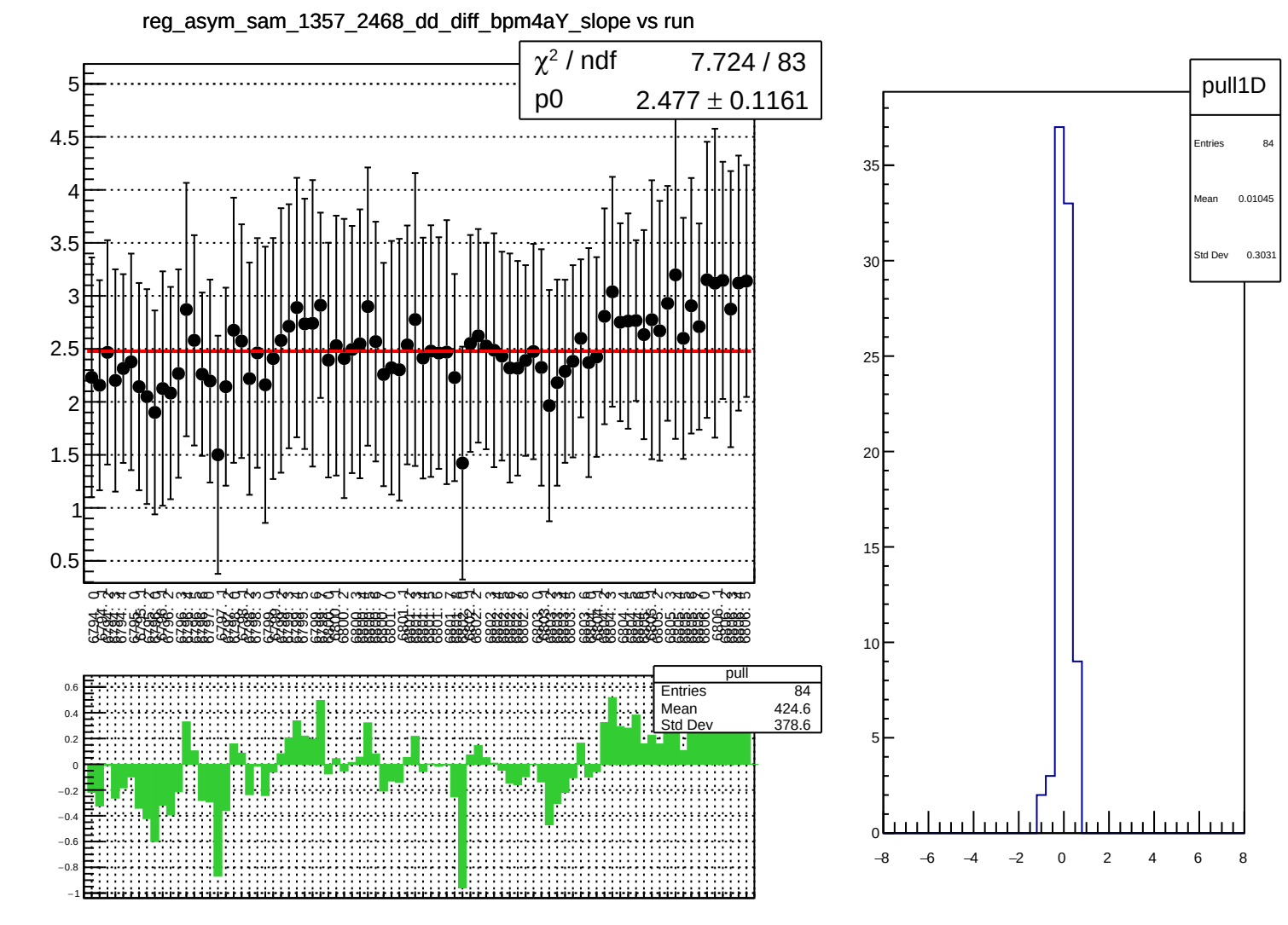

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.88 / 83
p0 43.96 ± 0.608
pull
Entries 84
Mean 3213
Std Dev 3164

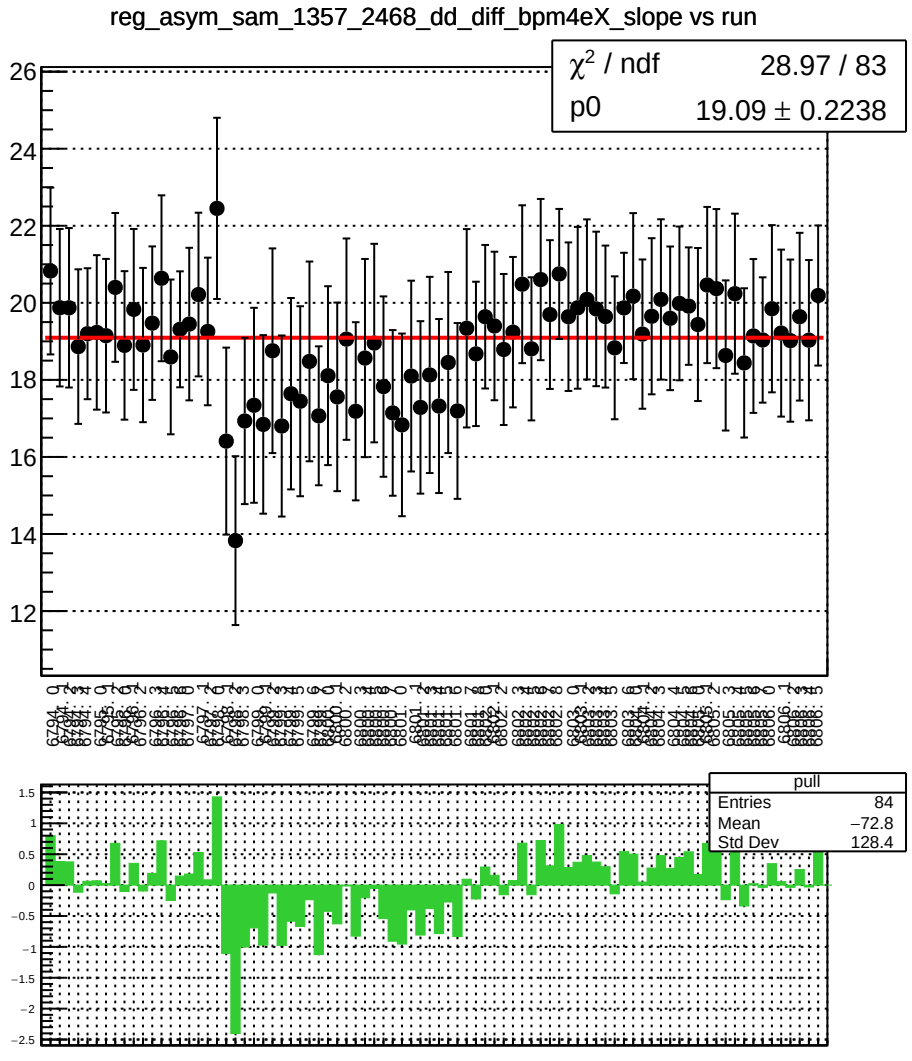

pull1D
Entries 84
Mean 0.001666
Std Dev 0.376

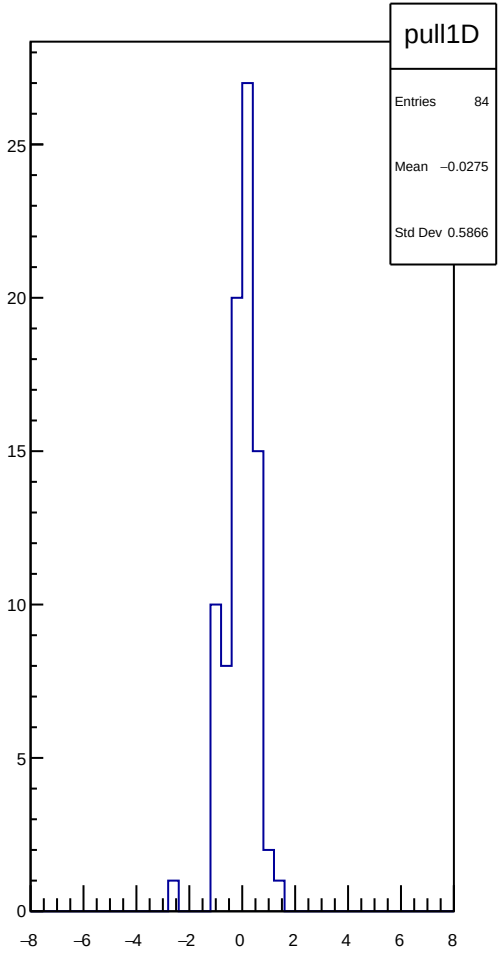

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 9.224 / 83
p0 0.3148 ± 0.03597
pull
Entries 84
Mean −580.7
Std Dev 648.5

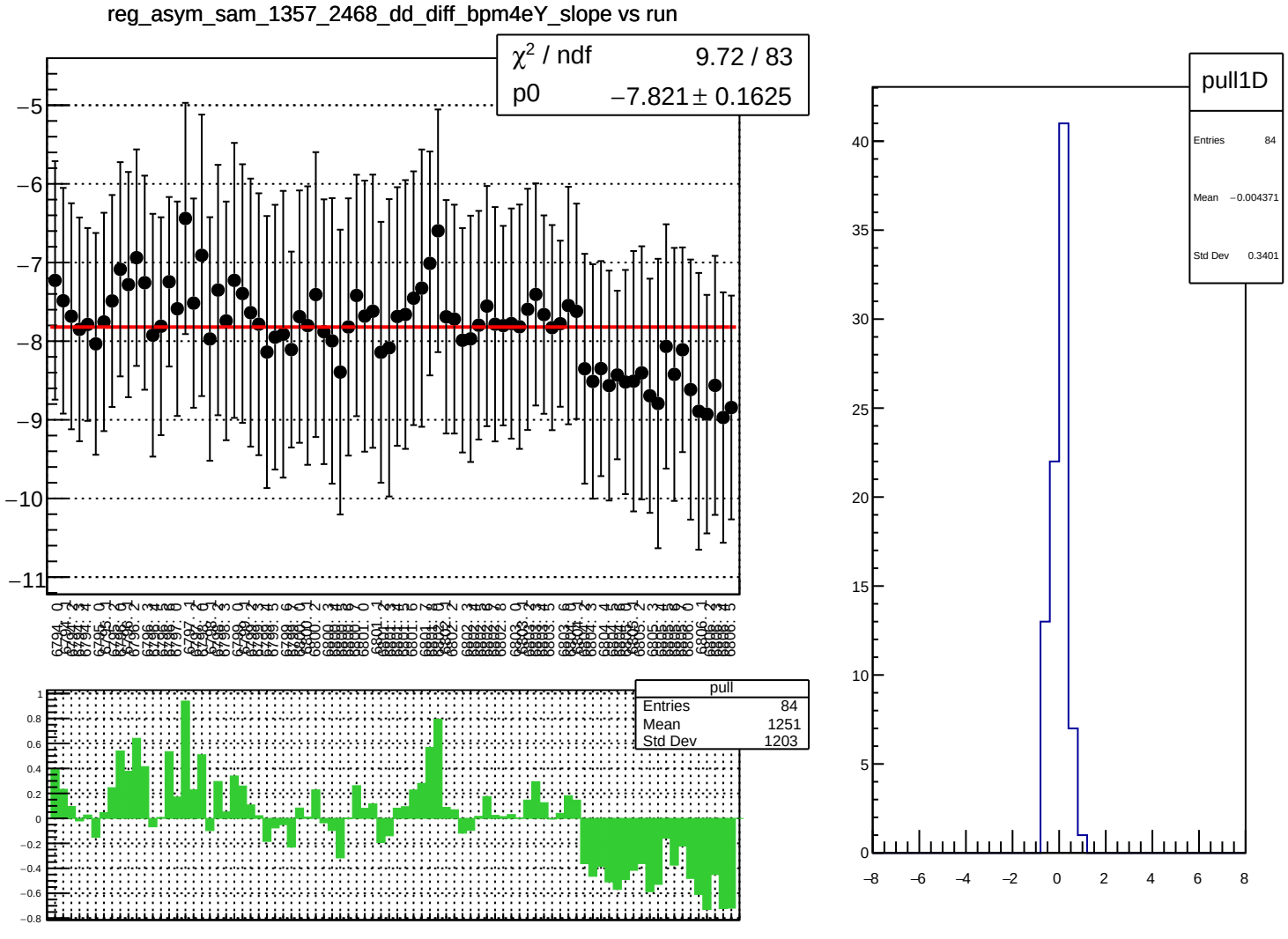

pull1D
Entries 84
Mean 0.003727
Std Dev 0.3314

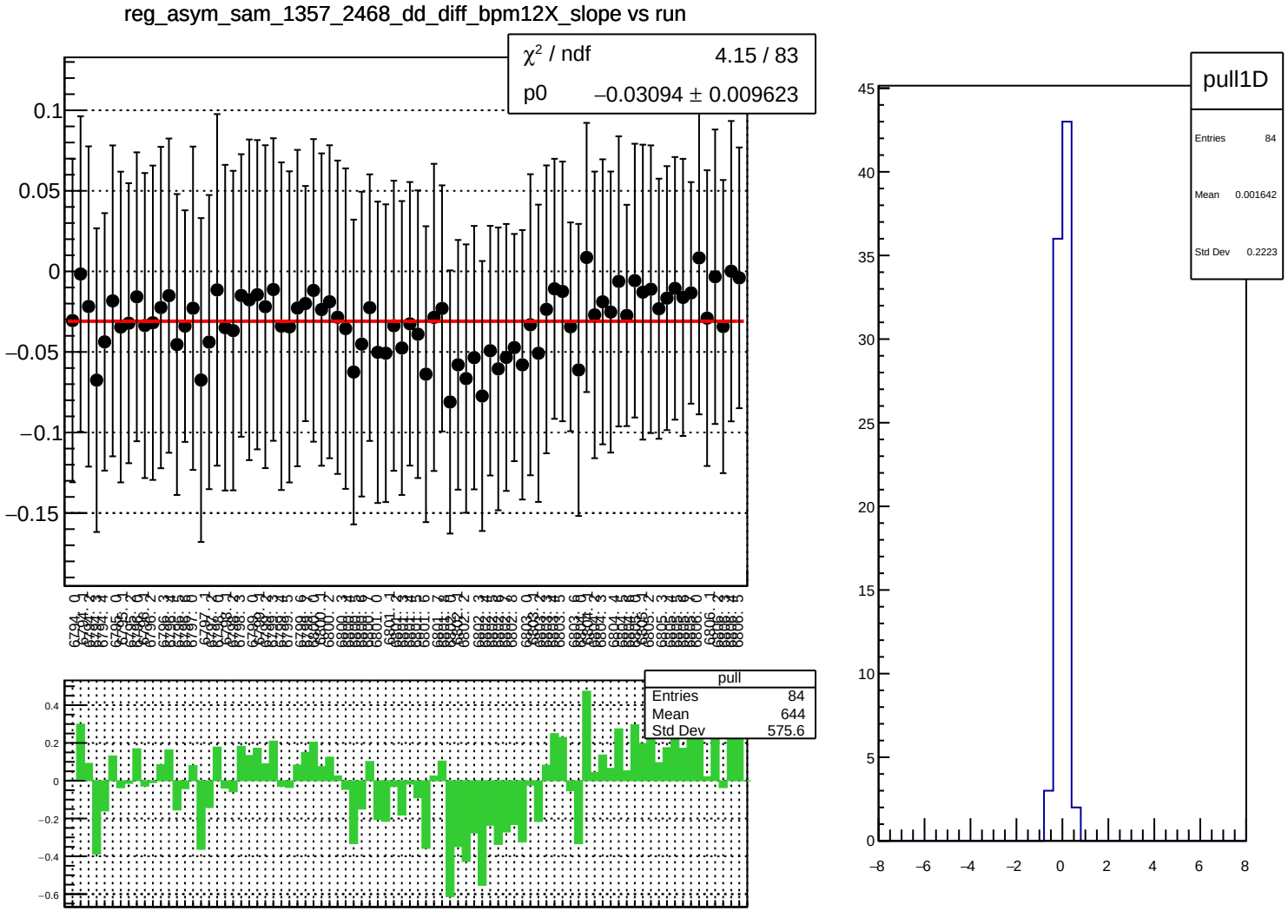

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 25.53 / 83
p0 4.648 ± 0.2388
pull
Entries 84
Mean −51.52
Std Dev 107
pull1D
Entries 84
Mean 0.03511
Std Dev 0.5502

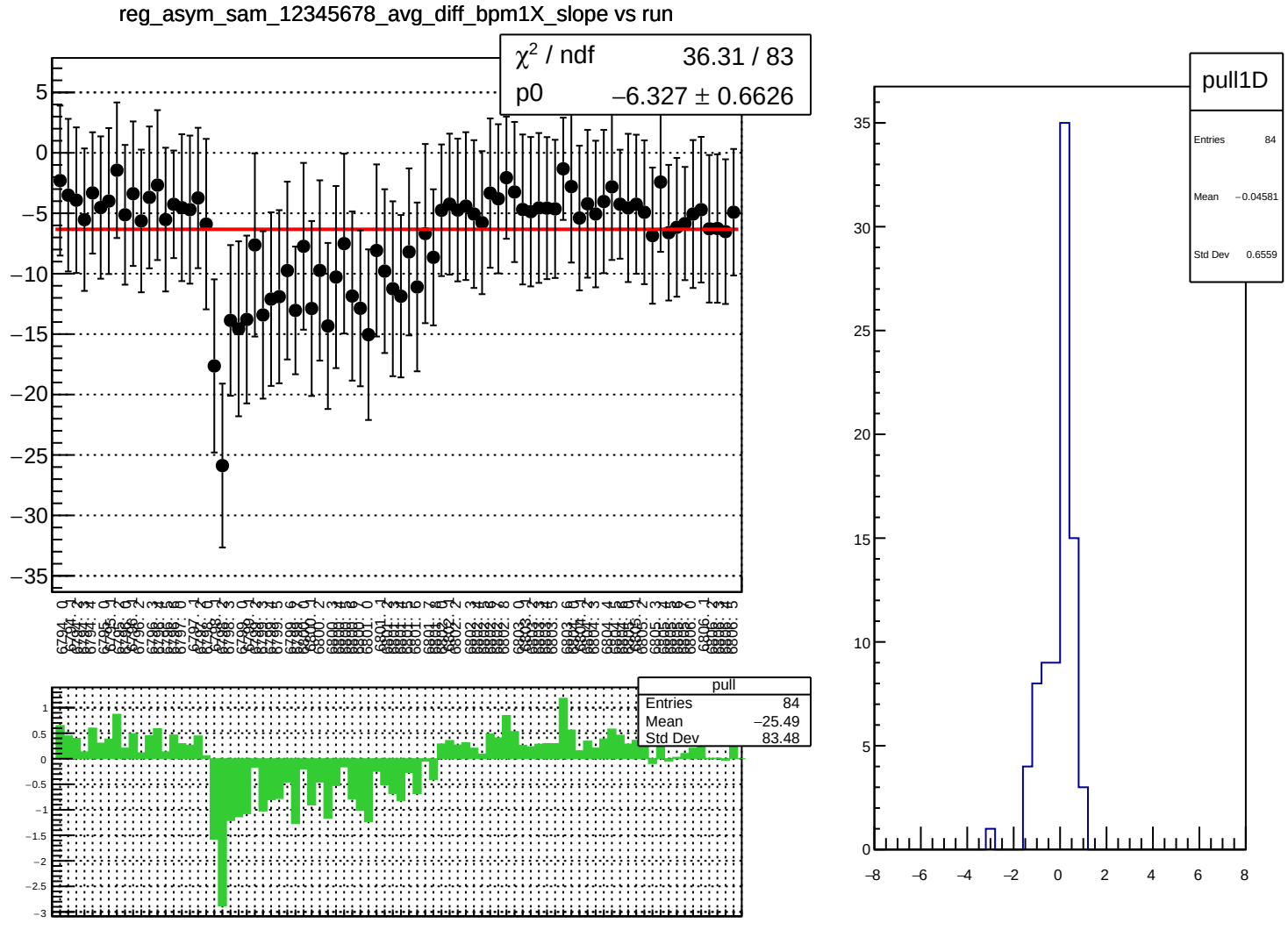

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.724 / 83
p0 2.477 ± 0.1161
pull
Entries 84
Mean 424.6
Std Dev 378.6
pull1D
Entries 84
Mean 0.01045
Std Dev 0.3031

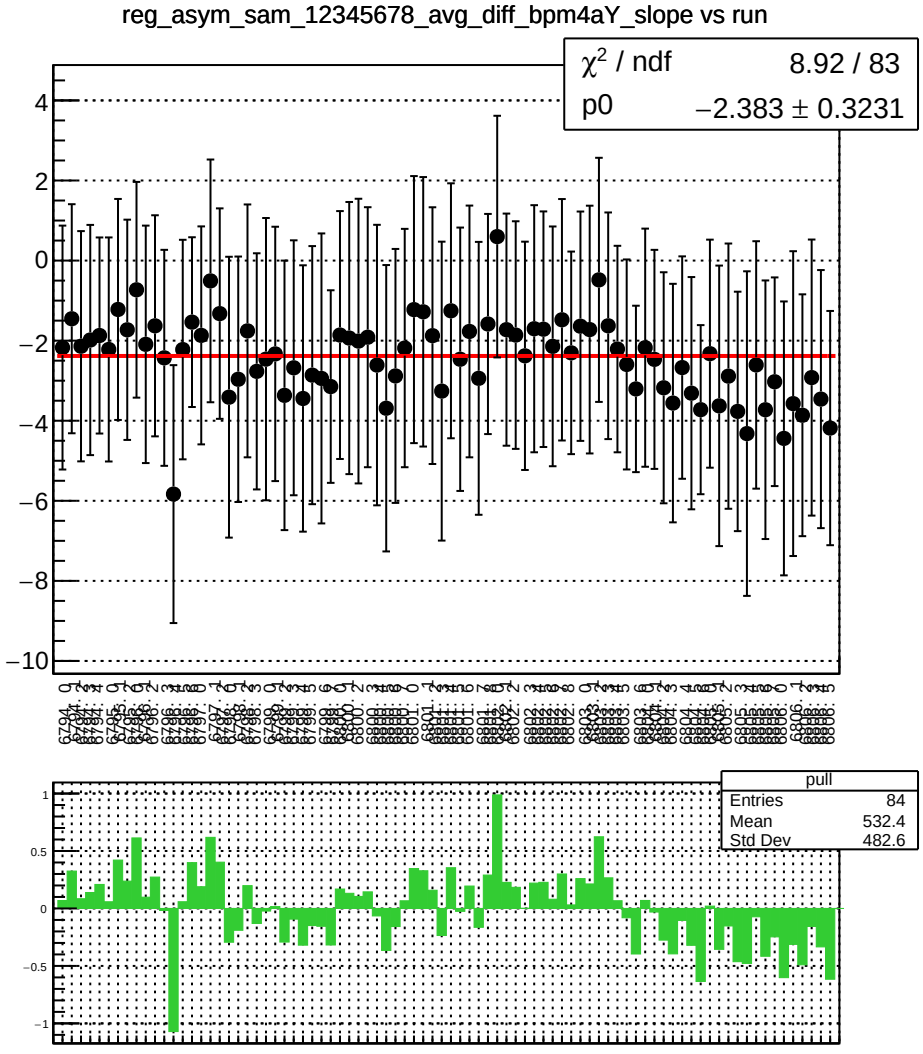

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 28.97 / 83
p0 19.09 ± 0.2238
pull
Entries 84
Mean −72.8
Std Dev 128.4

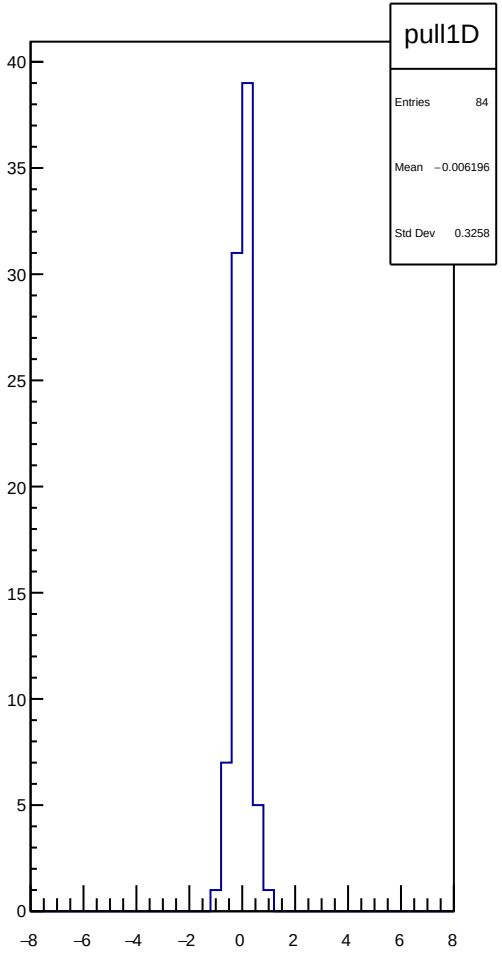

pull1D
Entries 84
Mean −0.0275
Std Dev 0.5866

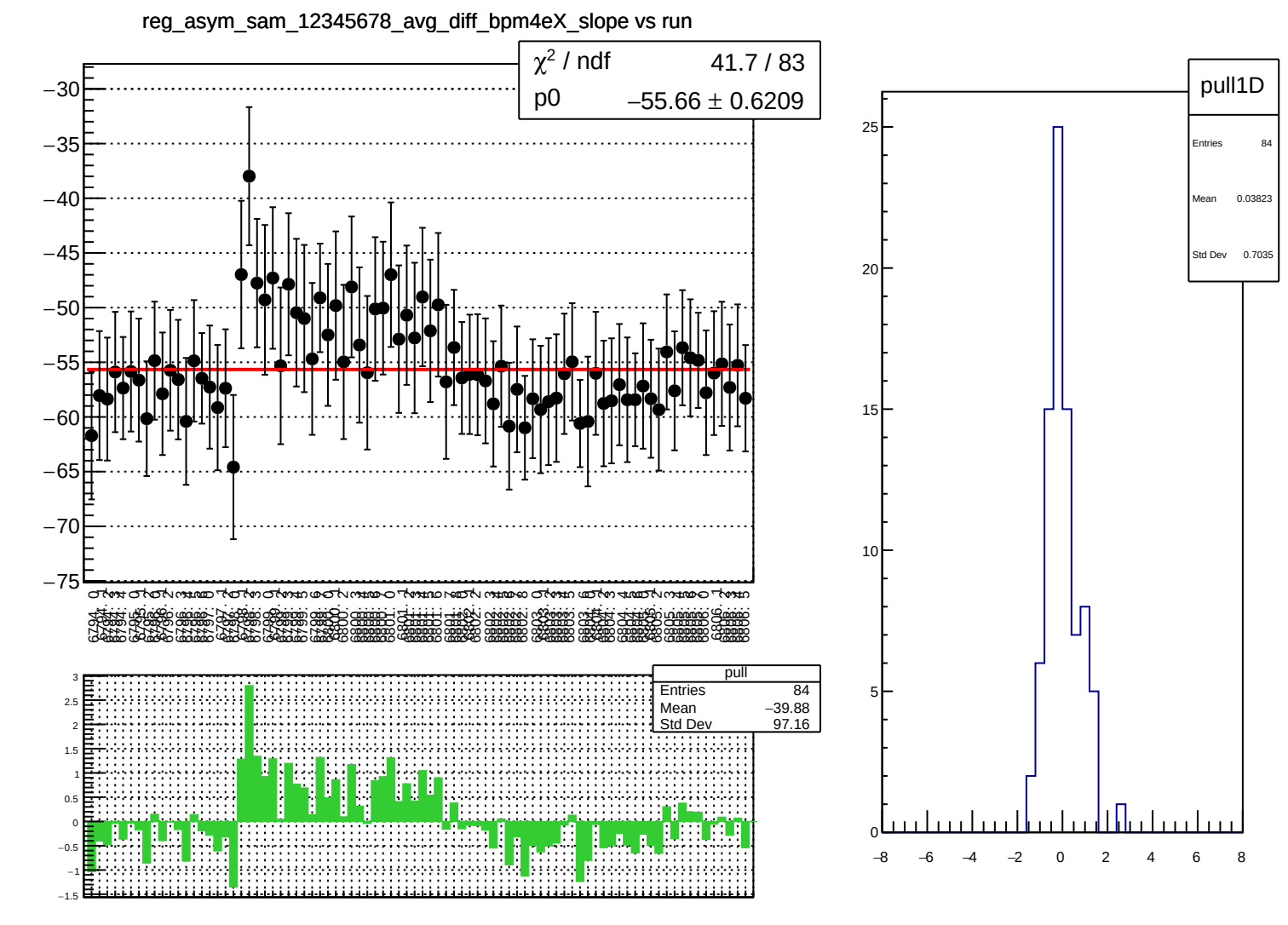

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.72 / 83
p0 −7.821 ± 0.1625
pull
Entries 84
Mean 1251
Std Dev 1203
pull1D
Entries 84
Mean −0.004371
Std Dev 0.3401

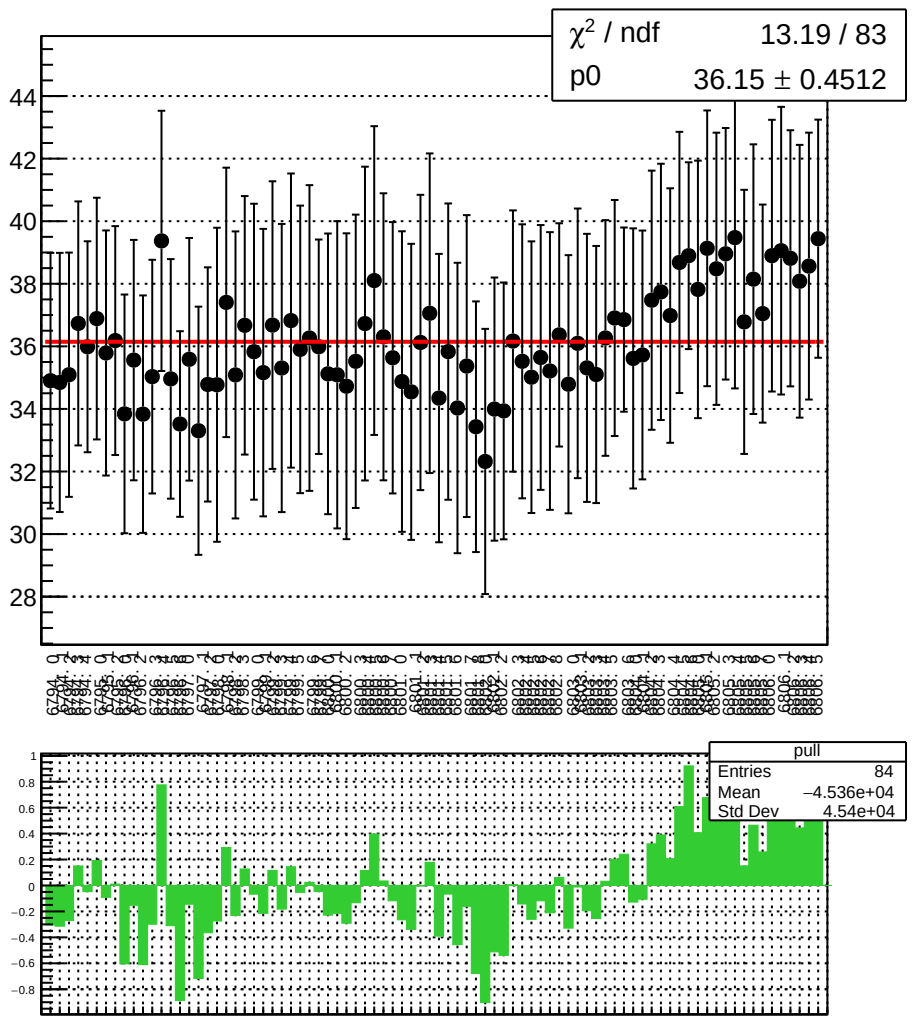

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 4.15 / 83
p0 −0.03094 ± 0.009623
pull
Entries 84
Mean 644
Std Dev 575.6
pull1D
Entries 84
Mean 0.001642
Std Dev 0.2223

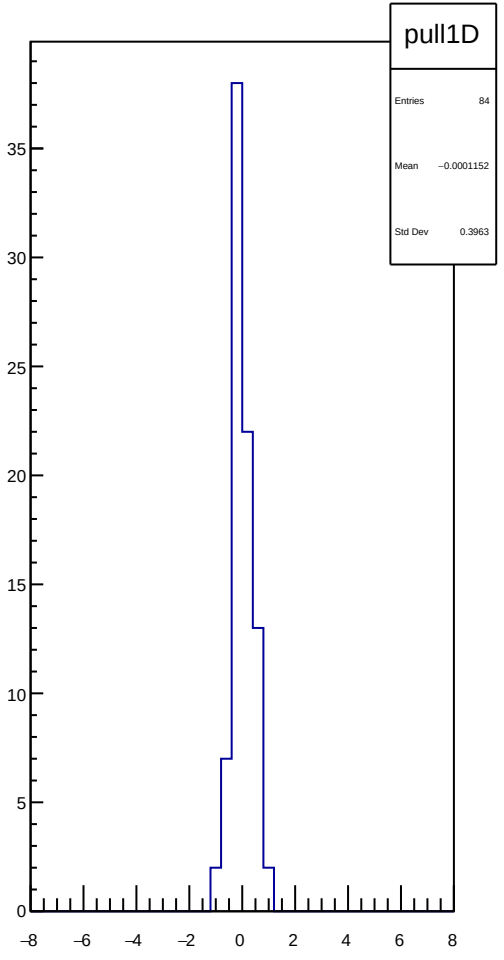

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 36.31 / 83
p0 −6.327 ± 0.6626
pull
Entries 84
Mean −25.49
Std Dev 83.48
pull1D
Entries 84
Mean −0.04581
Std Dev 0.6559

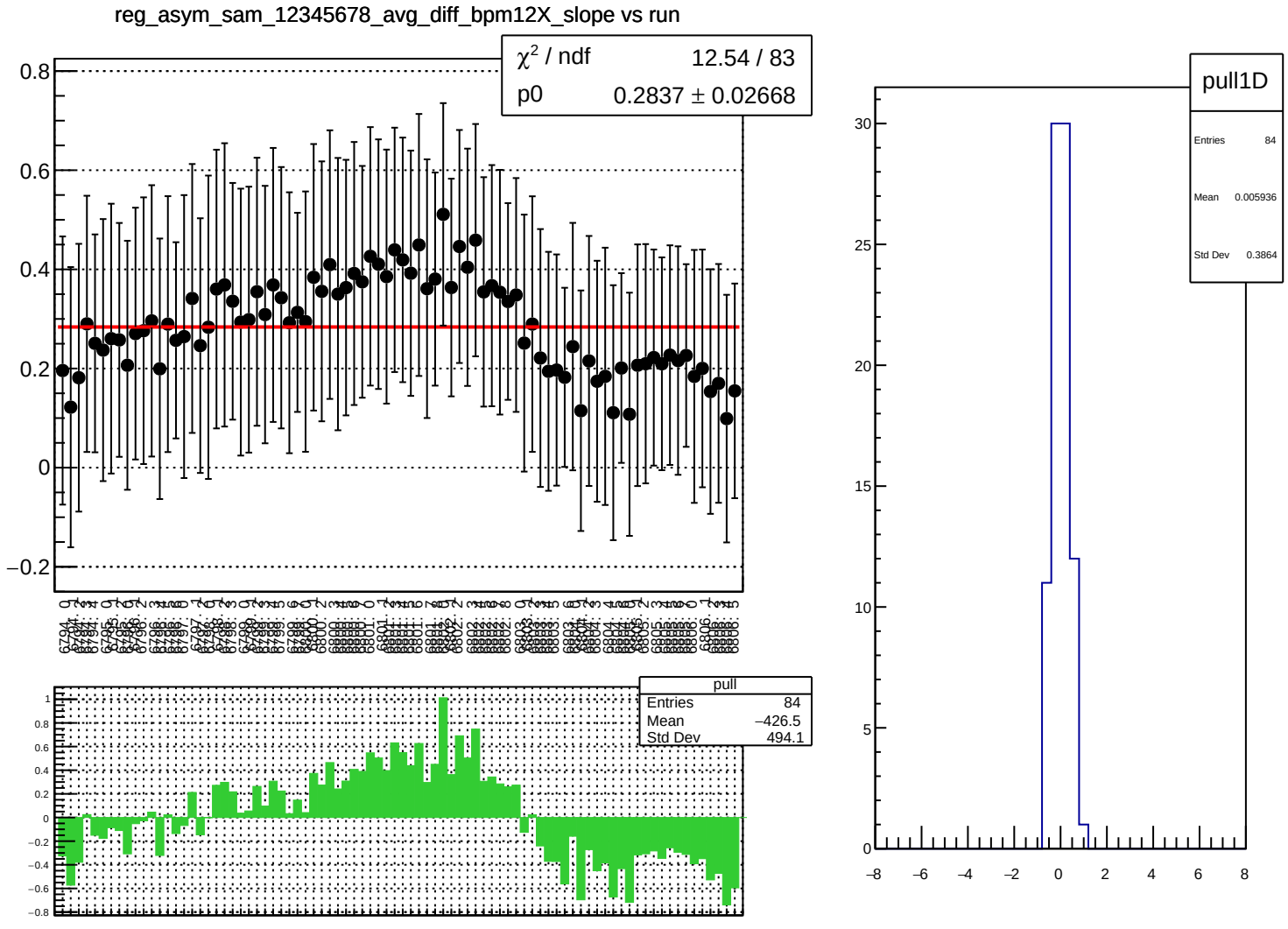

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.92 / 83
p0 −2.383 ± 0.3231
pull
Entries 84
Mean 532.4
Std Dev 482.6

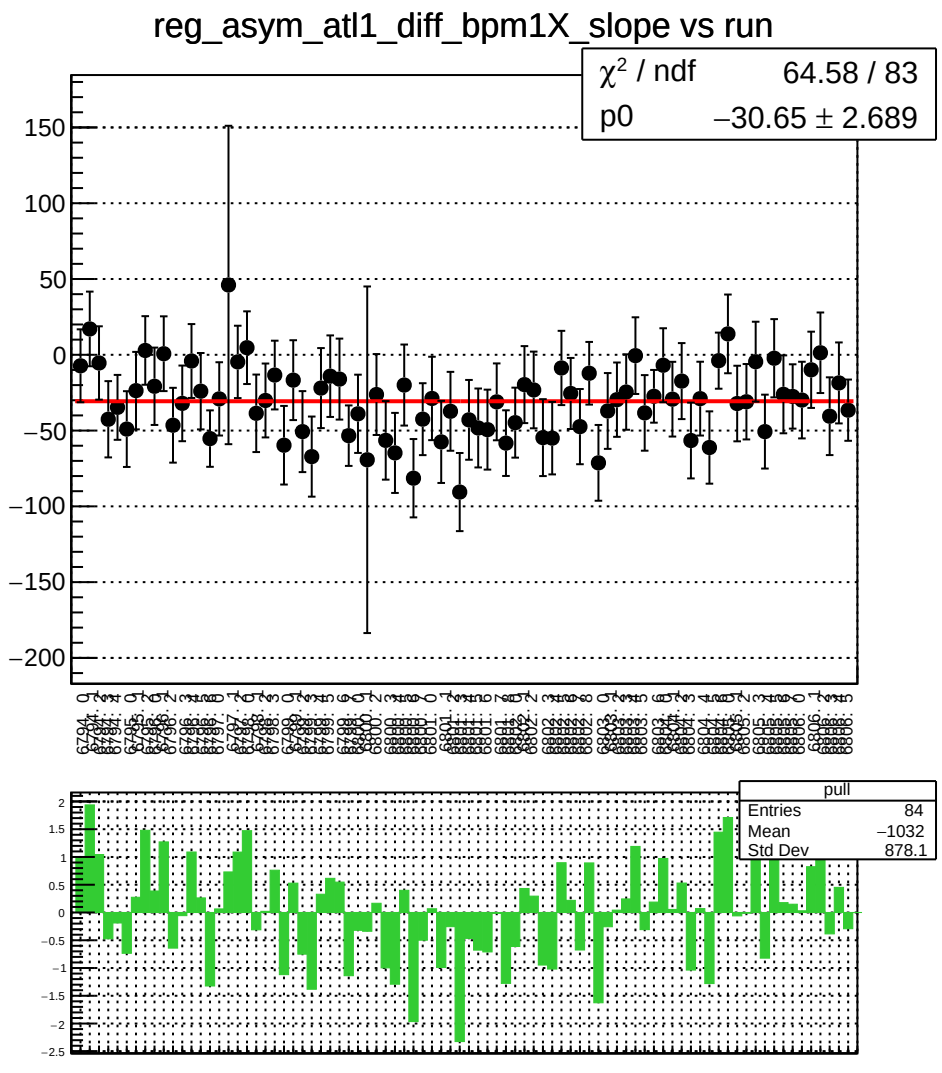

pull1D
Entries 84
Mean −0.006196
Std Dev 0.3258

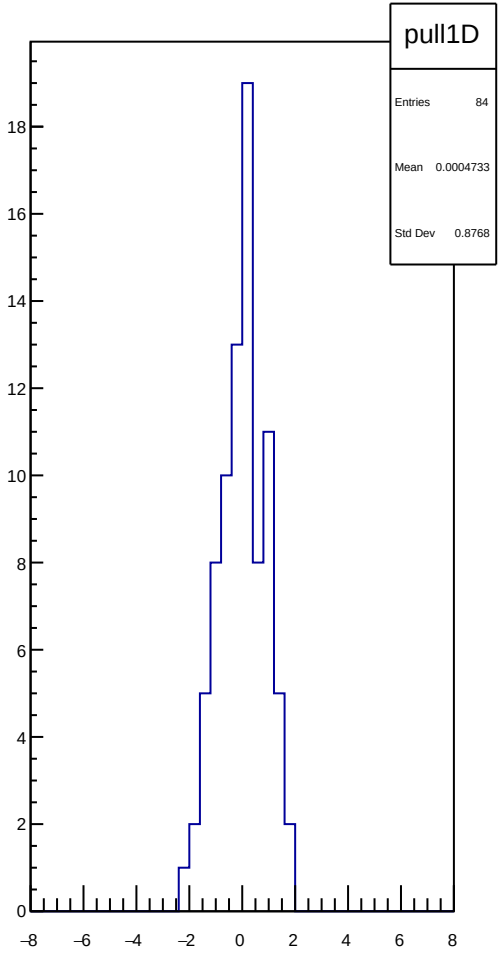

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 41.7 / 83
p0 −55.66 ± 0.6209
pull
Entries 84
Mean −39.88
Std Dev 97.16
pull1D
Entries 84
Mean 0.03823
Std Dev 0.7035

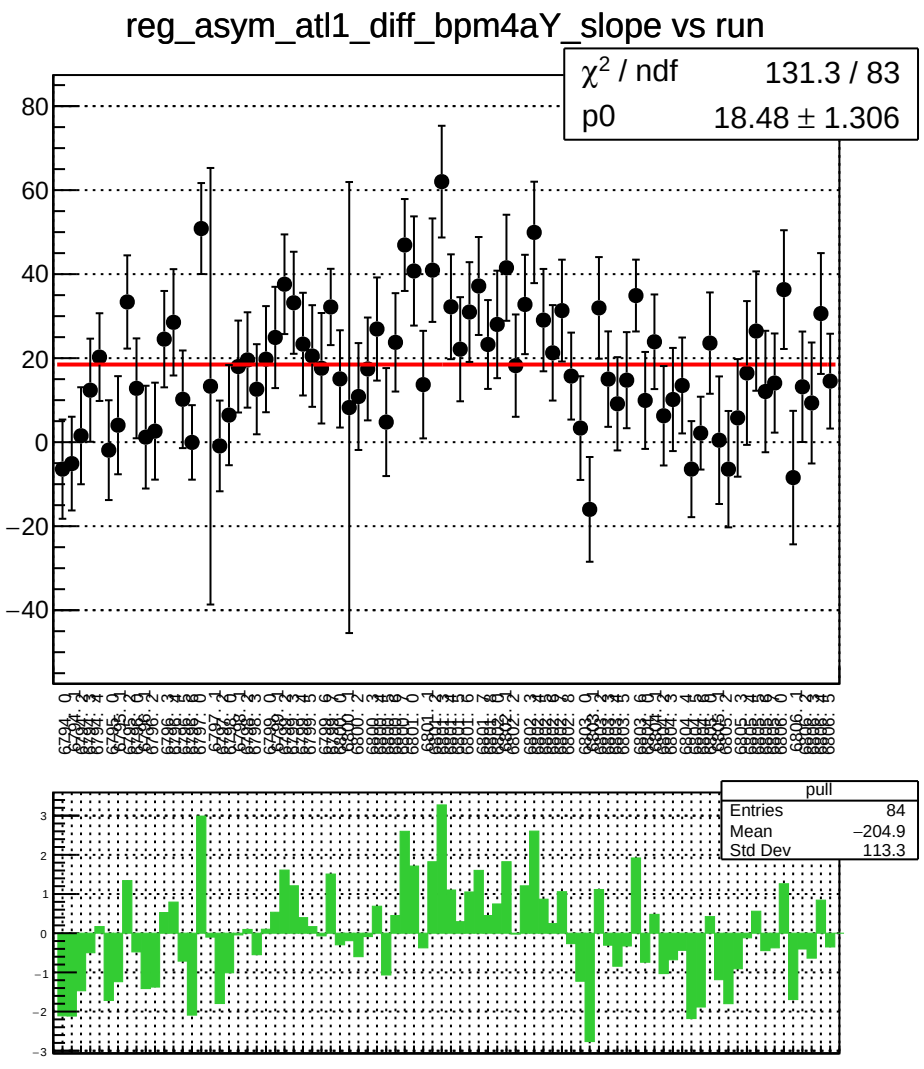

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.19 / 83
p0 36.15 ± 0.4512
pull
Entries 84
Mean −4.536e+04
Std Dev 4.54e+04

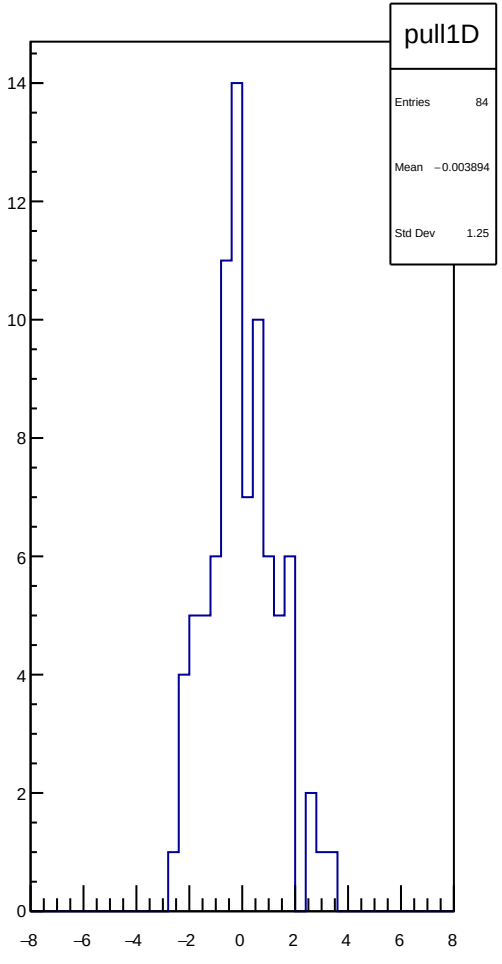

pull1D
Entries 84
Mean −0.0001152
Std Dev 0.3963

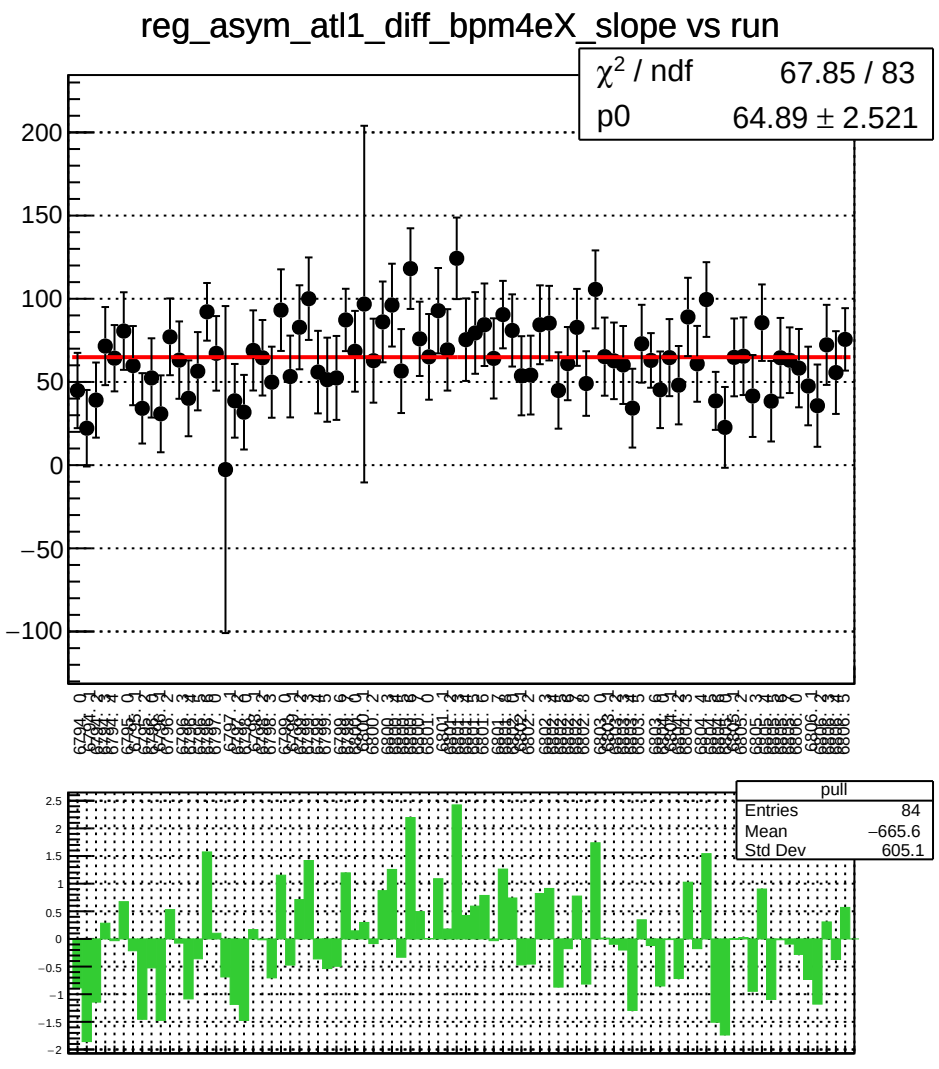

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 12.54 / 83
p0 0.2837 ± 0.02668
pull
Entries 84
Mean −426.5
Std Dev 494.1
pull1D
Entries 84
Mean 0.005936
Std Dev 0.3864

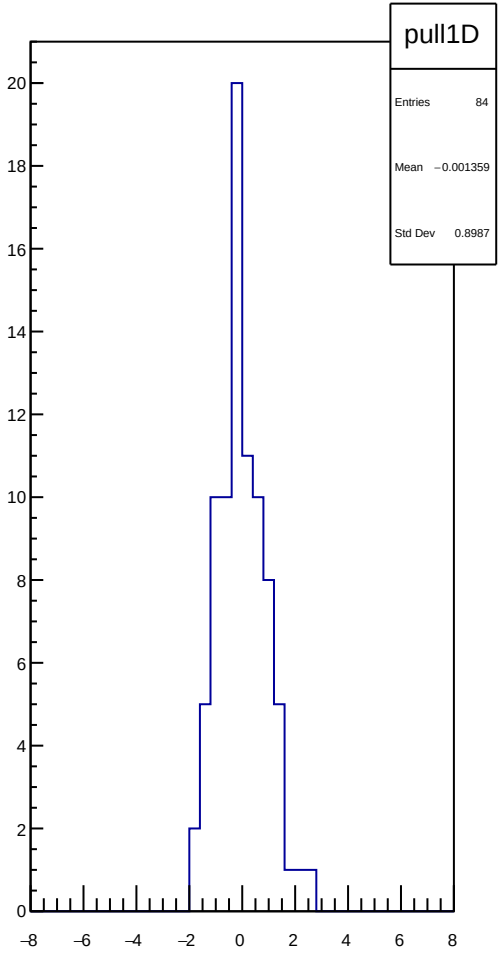

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 64.58 / 83
p0 −30.65 ± 2.689
pull
Entries 84
Mean −1032
Std Dev 878.1

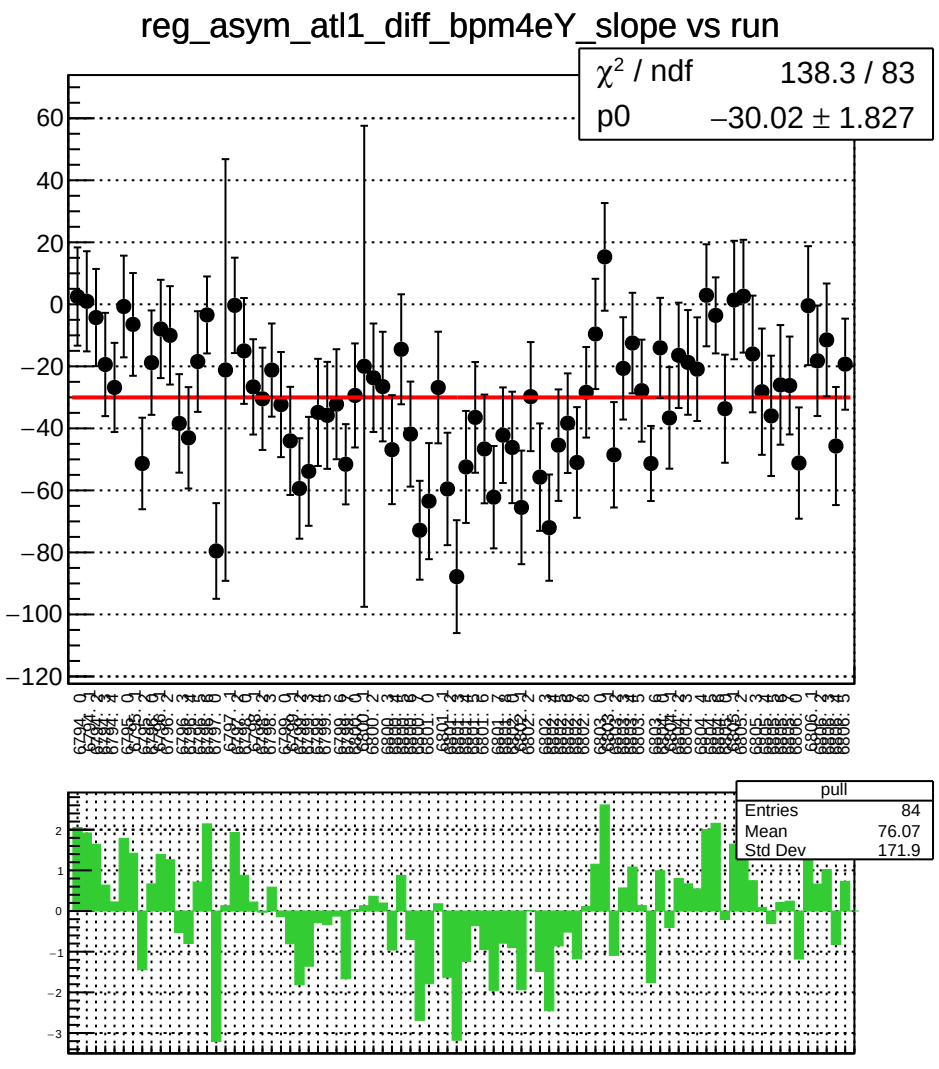

pull1D
Entries 84
Mean 0.0004733
Std Dev 0.8768

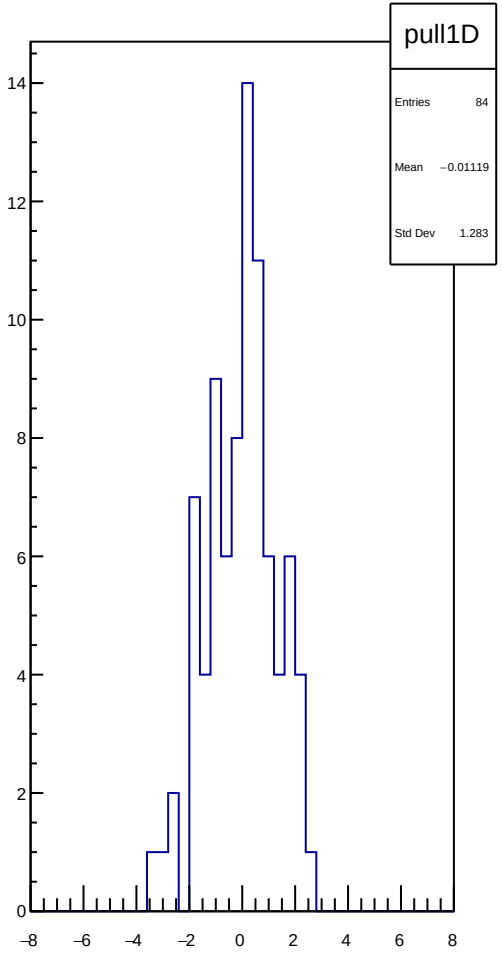

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 131.3 / 83
p0 18.48 ± 1.306
pull
Entries 84
Mean −204.9
Std Dev 113.3

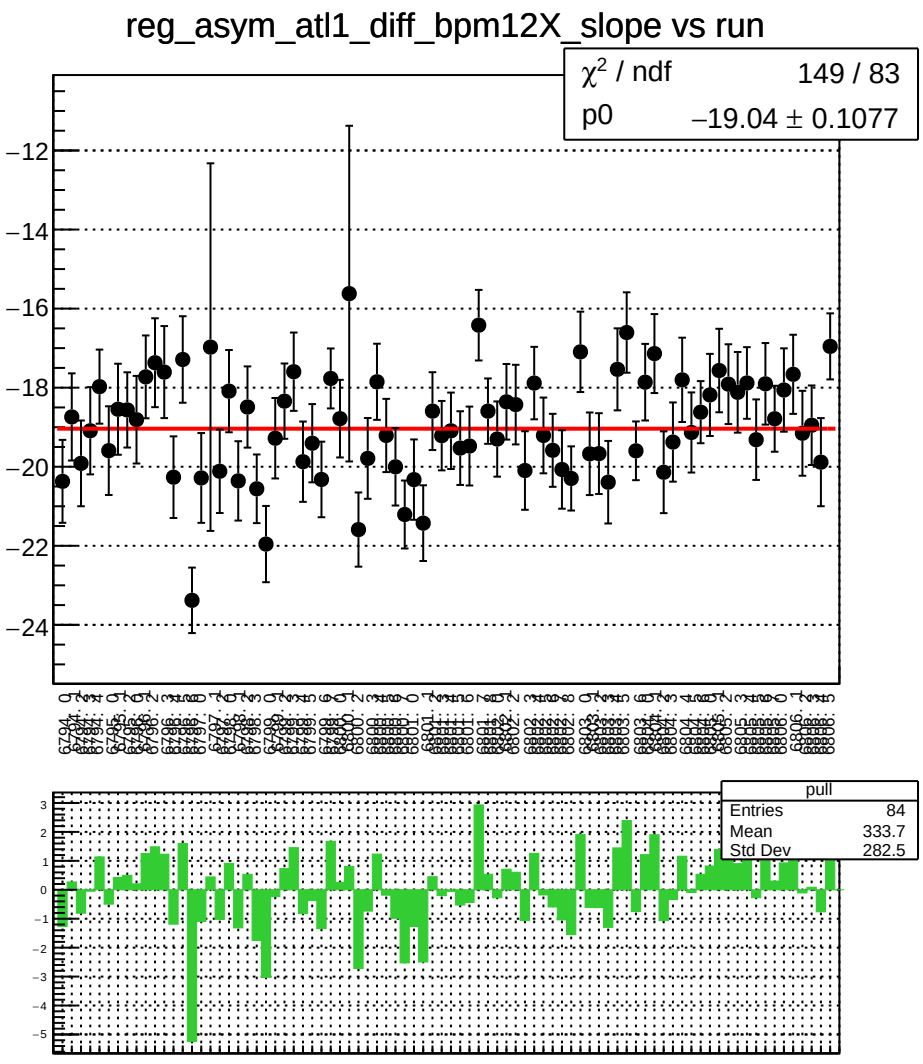

pull1D
Entries 84
Mean −0.003894
Std Dev 1.25

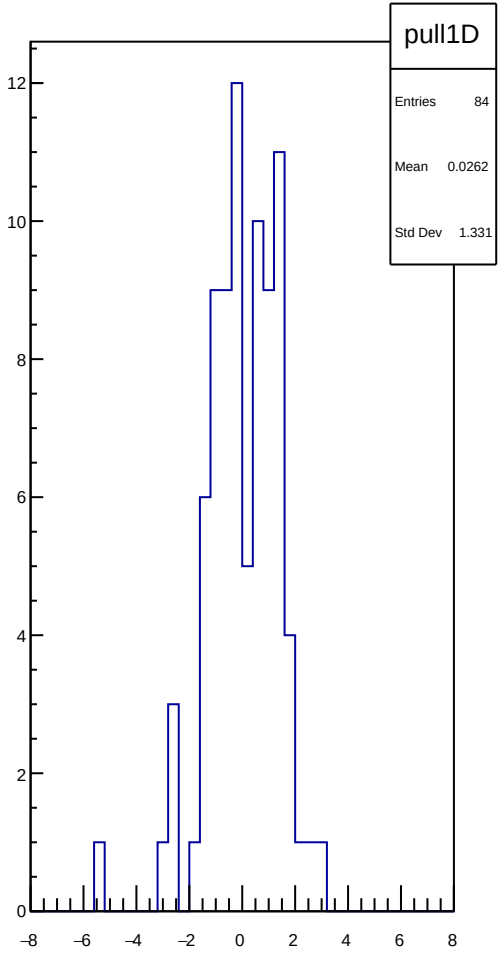

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 67.85 / 83
p0 64.89 ± 2.521
pull
Entries 84
Mean −665.6
Std Dev 605.1

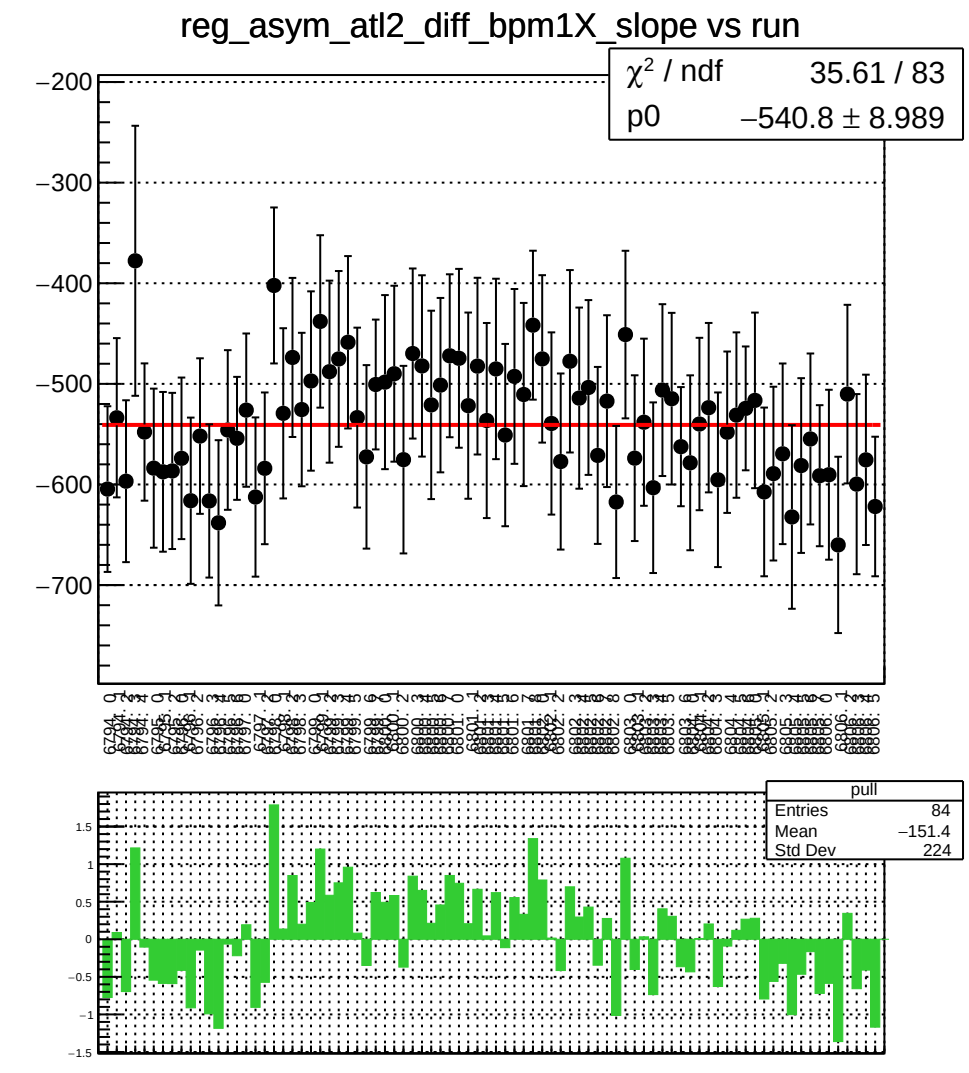

pull1D
Entries 84
Mean −0.001359
Std Dev 0.8987

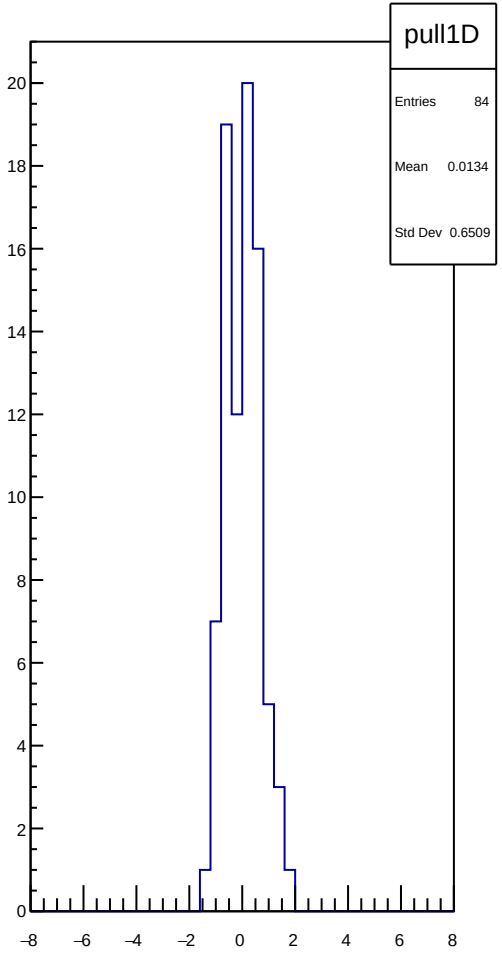

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 138.3 / 83
p0 −30.02 ± 1.827
pull
Entries 84
Mean 76.07
Std Dev 171.9

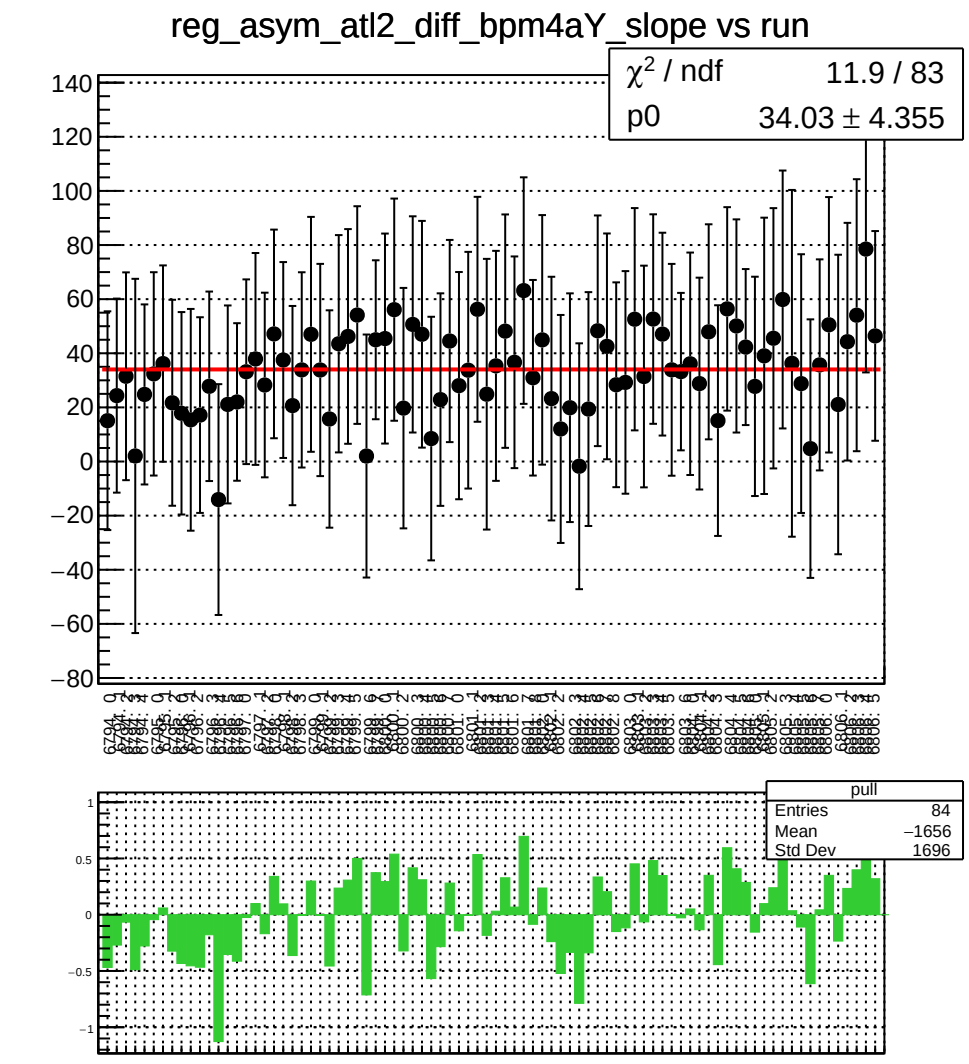

pull1D
Entries 84
Mean −0.01119
Std Dev 1.283

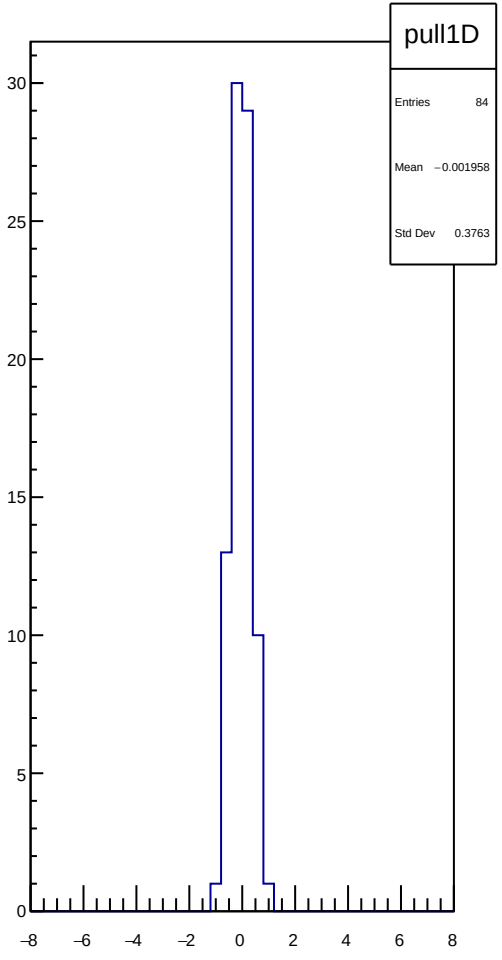

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 149 / 83
p0 −19.04 ± 0.1077
pull
Entries 84
Mean 333.7
Std Dev 282.5

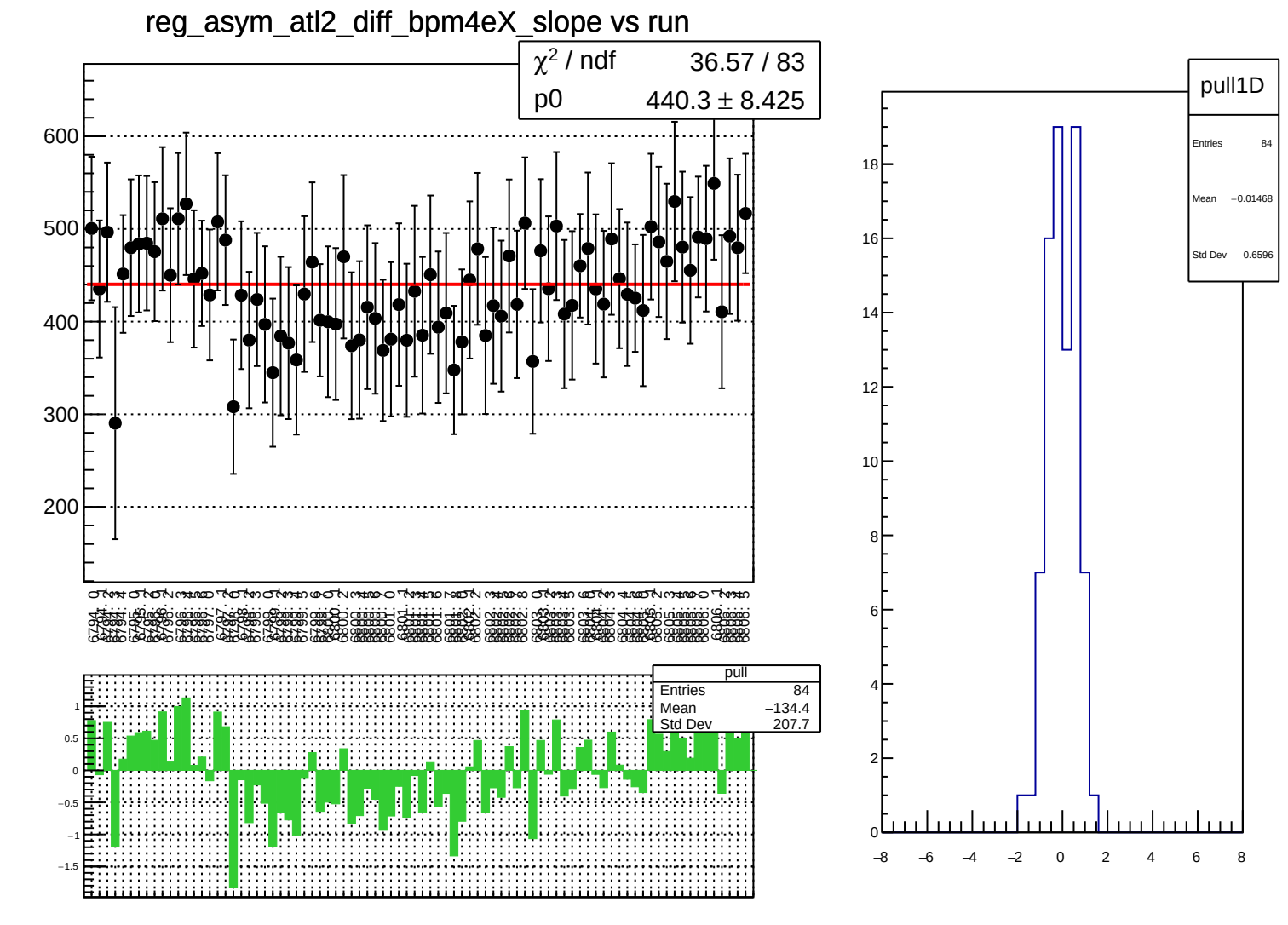

pull1D
Entries 84
Mean 0.0262
Std Dev 1.331

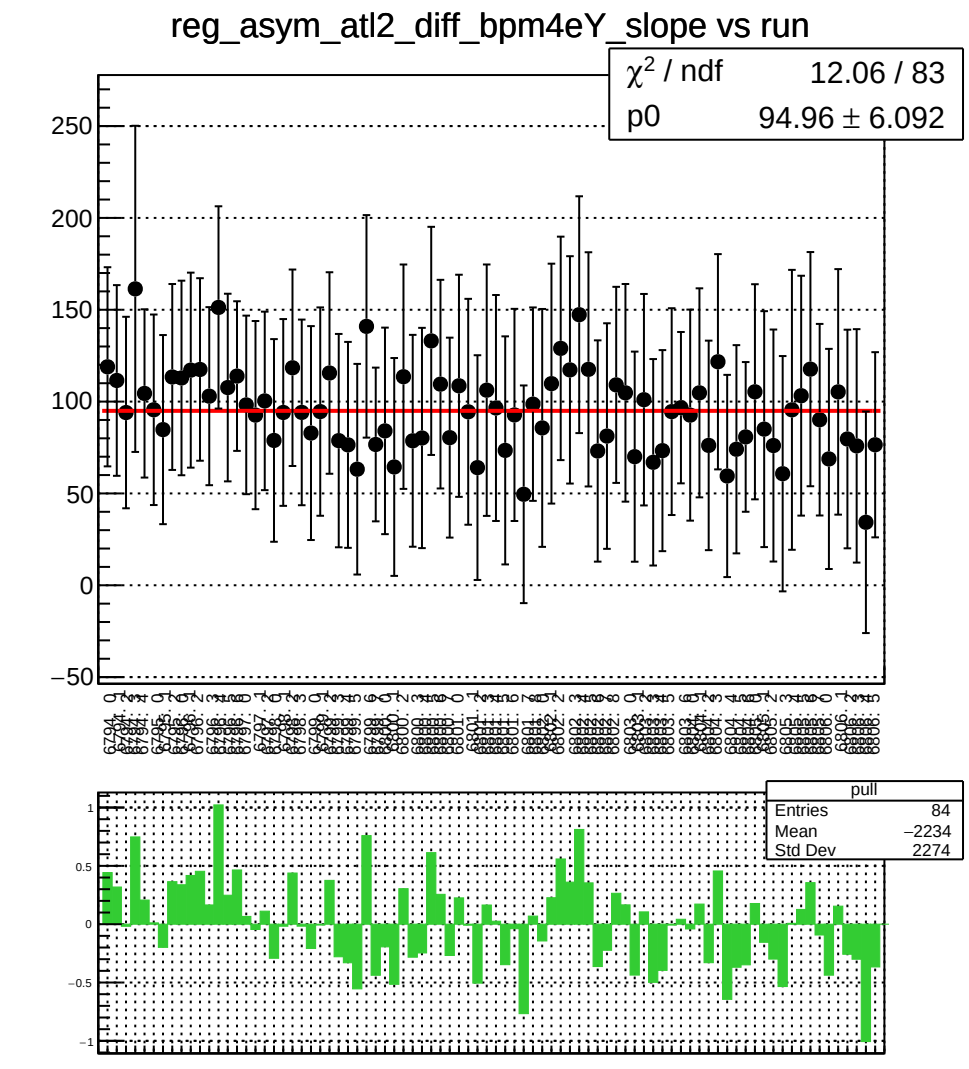

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 35.61 / 83
p0 −540.8 ± 8.989
pull
Entries 84
Mean −151.4
Std Dev 224

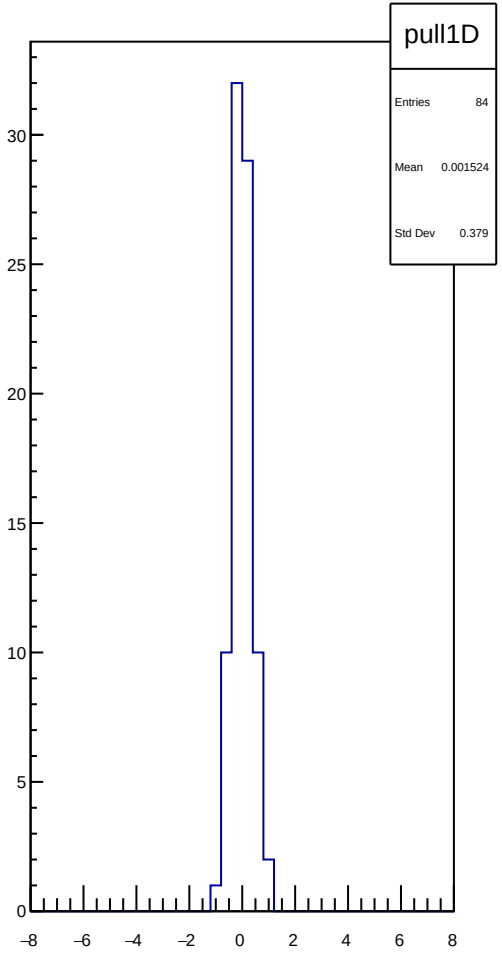

pull1D
Entries 84
Mean 0.0134
Std Dev 0.6509

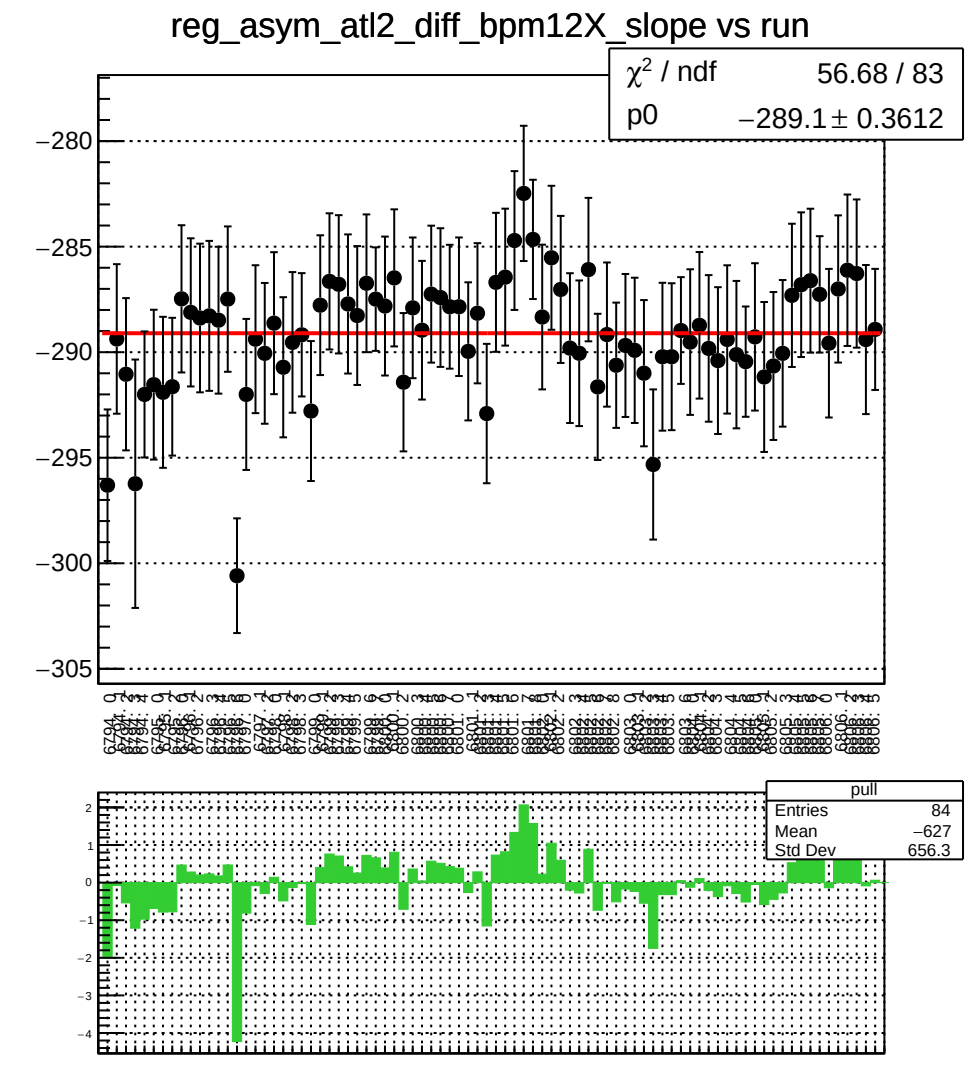

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 11.9 / 83
p0 34.03 ± 4.355
pull
Entries 84
Mean −1656
Std Dev 1696

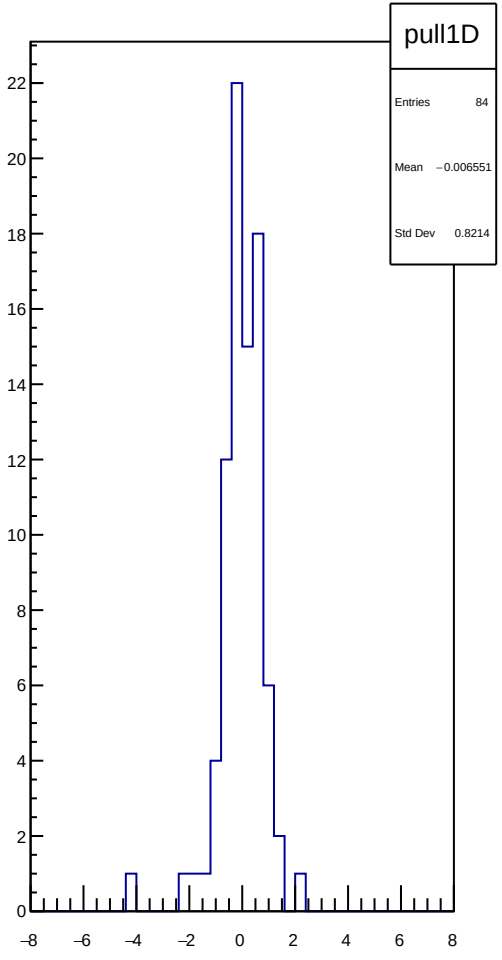

pull1D
Entries 84
Mean −0.001958
Std Dev 0.3763

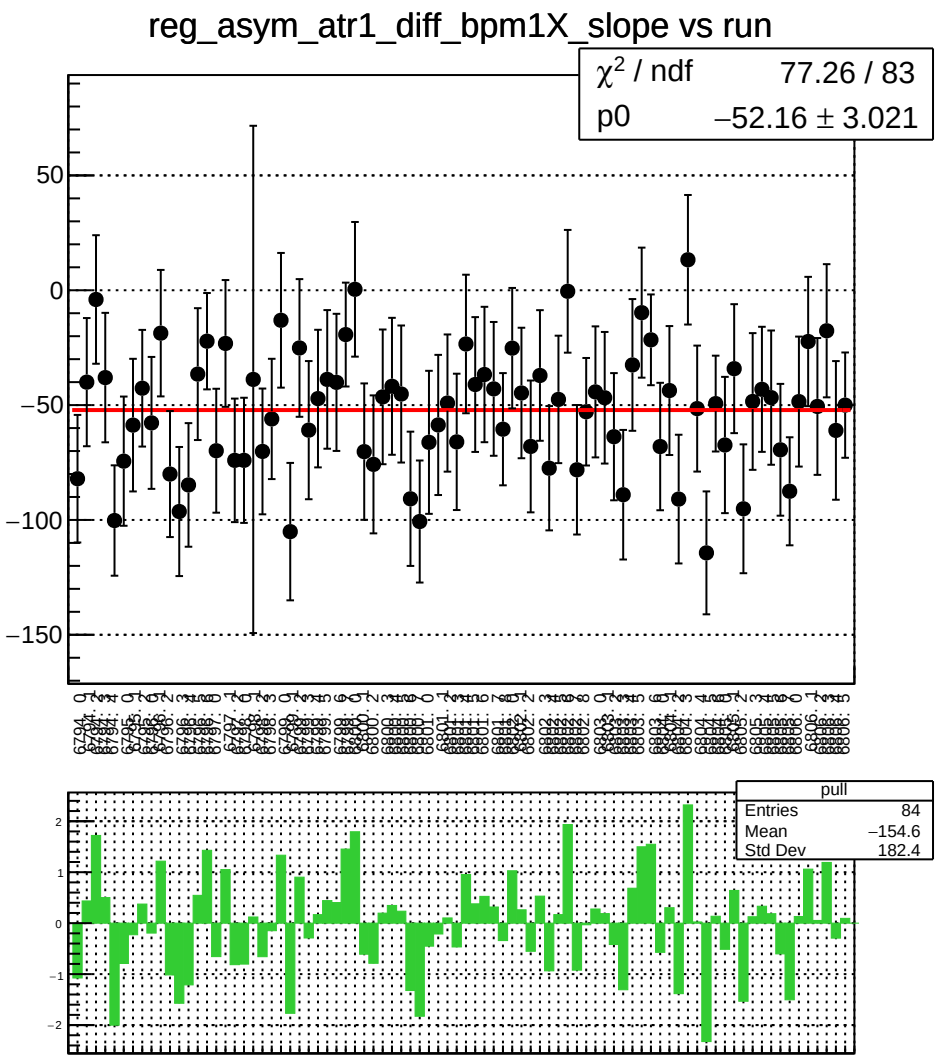

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 36.57 / 83
p0 440.3 ± 8.425
pull
Entries 84
Mean −134.4
Std Dev 207.7
pull1D
Entries 84
Mean −0.01468
Std Dev 0.6596

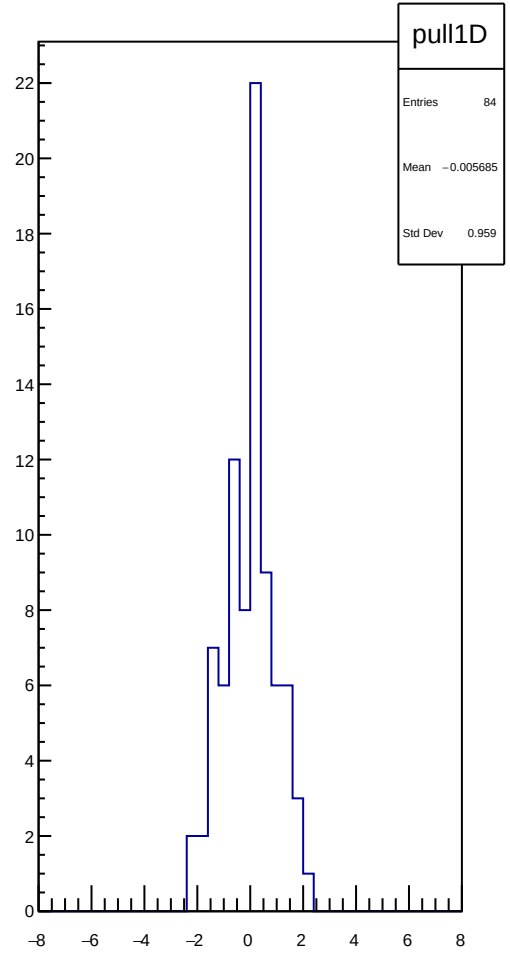

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 12.06 / 83
p0 94.96 ± 6.092
pull
Entries 84
Mean −2234
Std Dev 2274

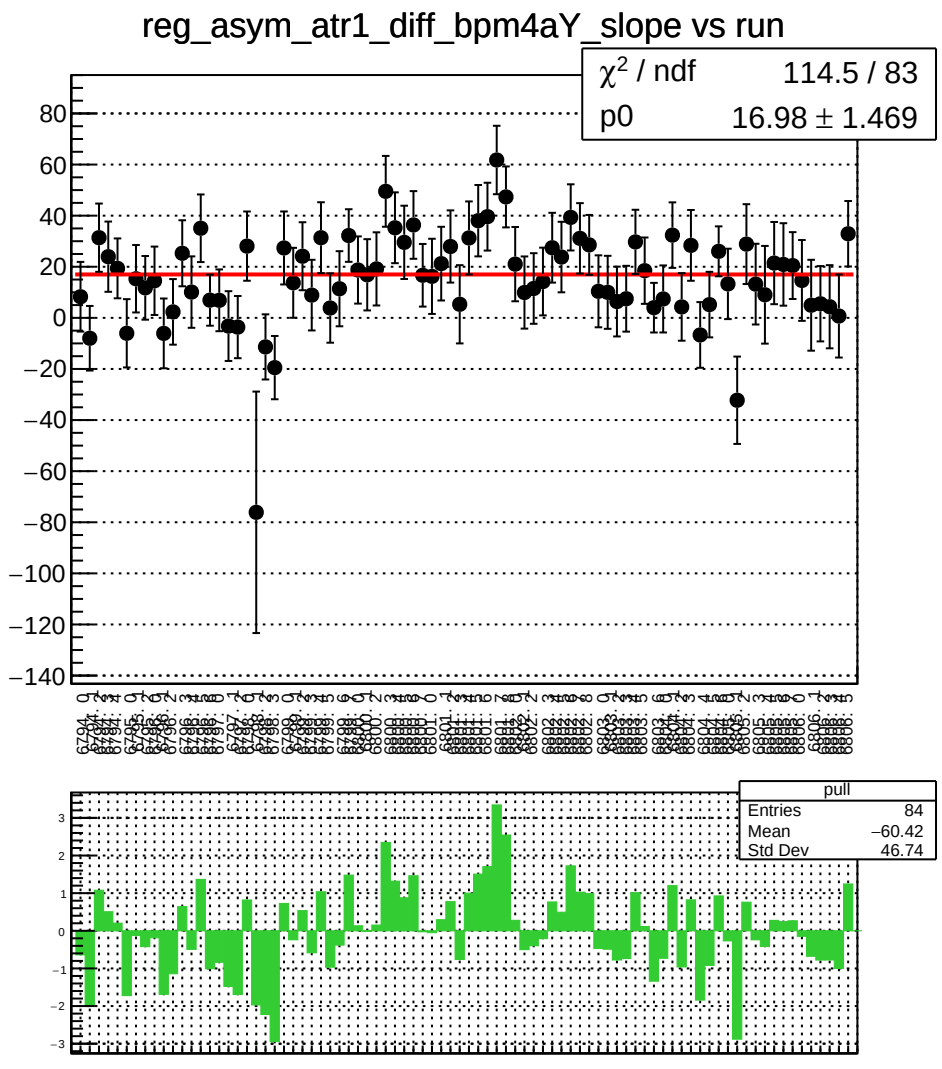

pull1D
Entries 84
Mean 0.001524
Std Dev 0.379

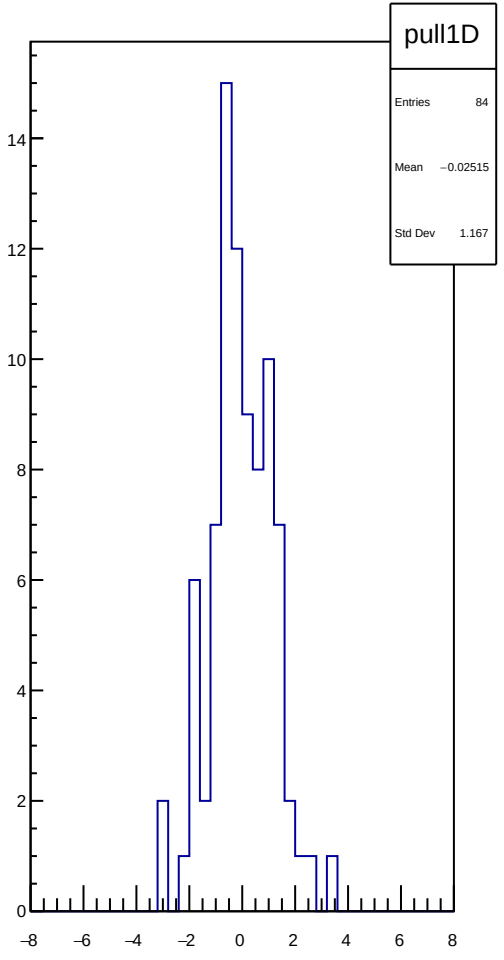

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 56.68 / 83
p0 −289.1 ± 0.3612
pull
Entries 84
Mean −627
Std Dev 656.3

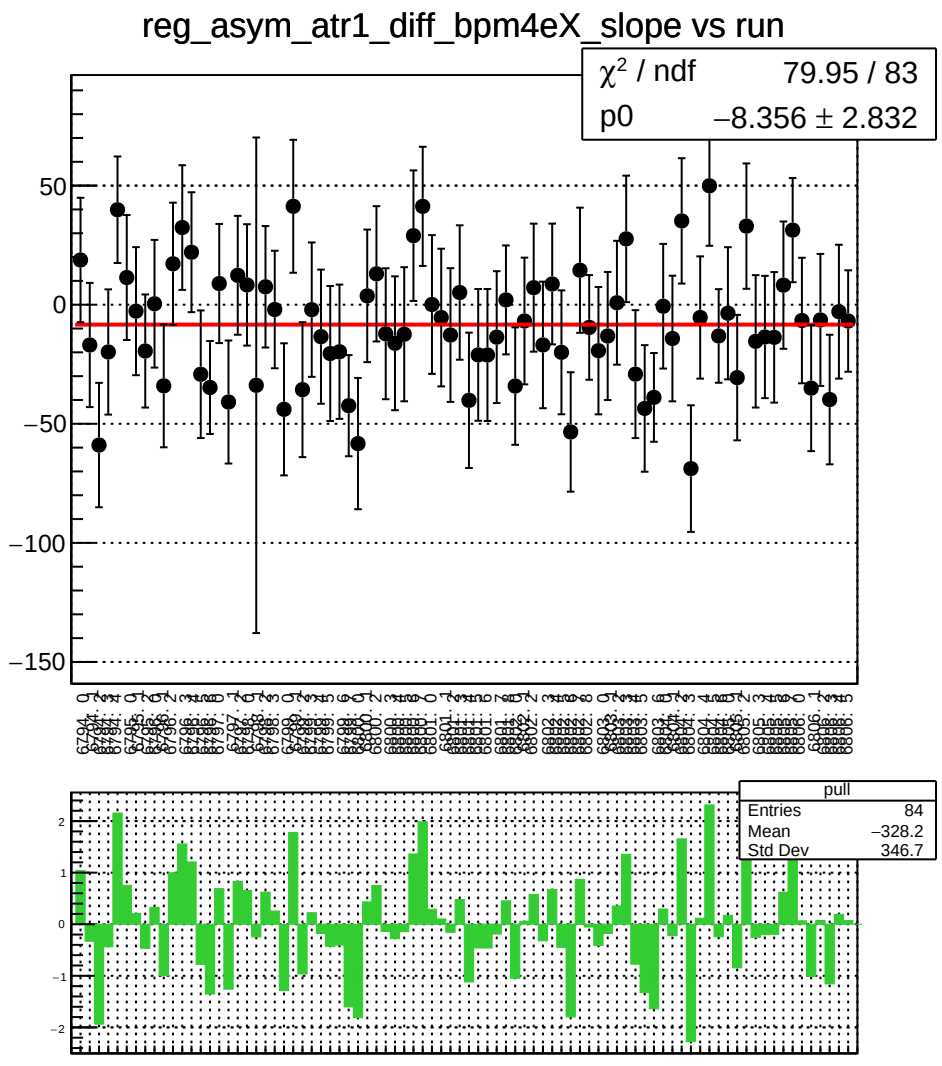

pull1D
Entries 84
Mean −0.006551
Std Dev 0.8214

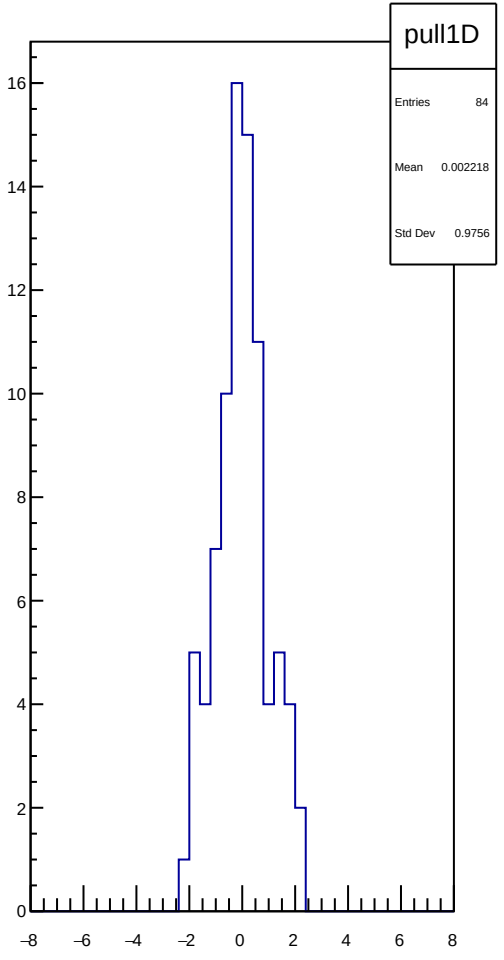

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 77.26 / 83
p0 −52.16 ± 3.021
50
0
−50
−100
−150
pull
Entries 84
Mean −154.6
Std Dev 182.4
2
1
0
−1
−2

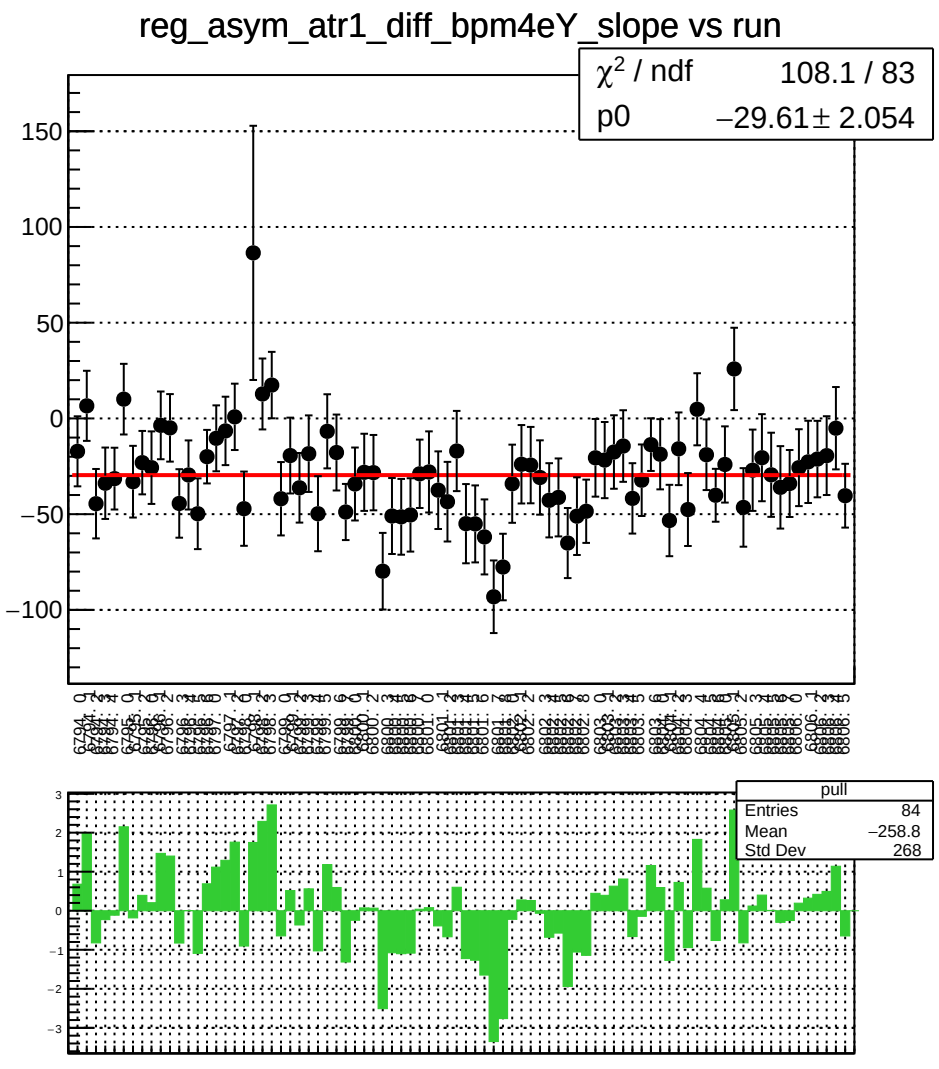

pull1D
Entries 84
Mean −0.005685
Std Dev 0.959
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

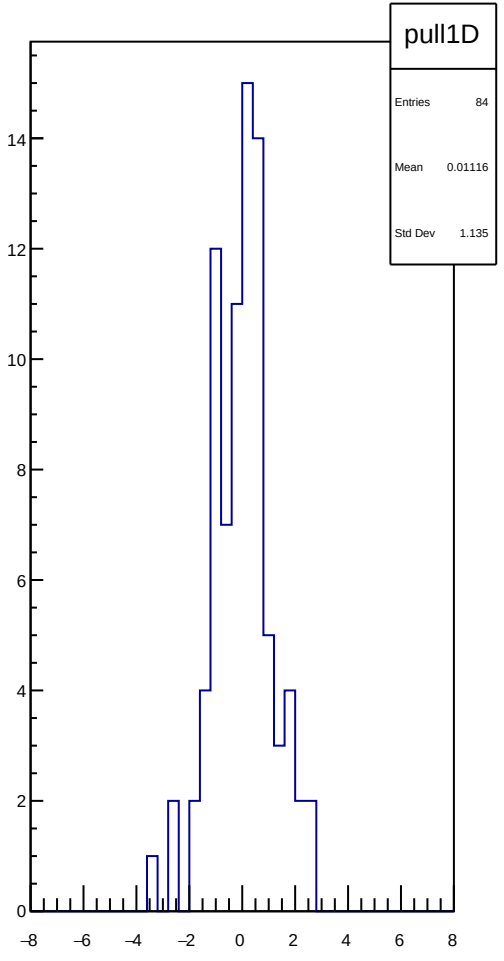

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 114.5 / 83
p0 16.98 ± 1.469
pull
Entries 84
Mean −60.42
Std Dev 46.74

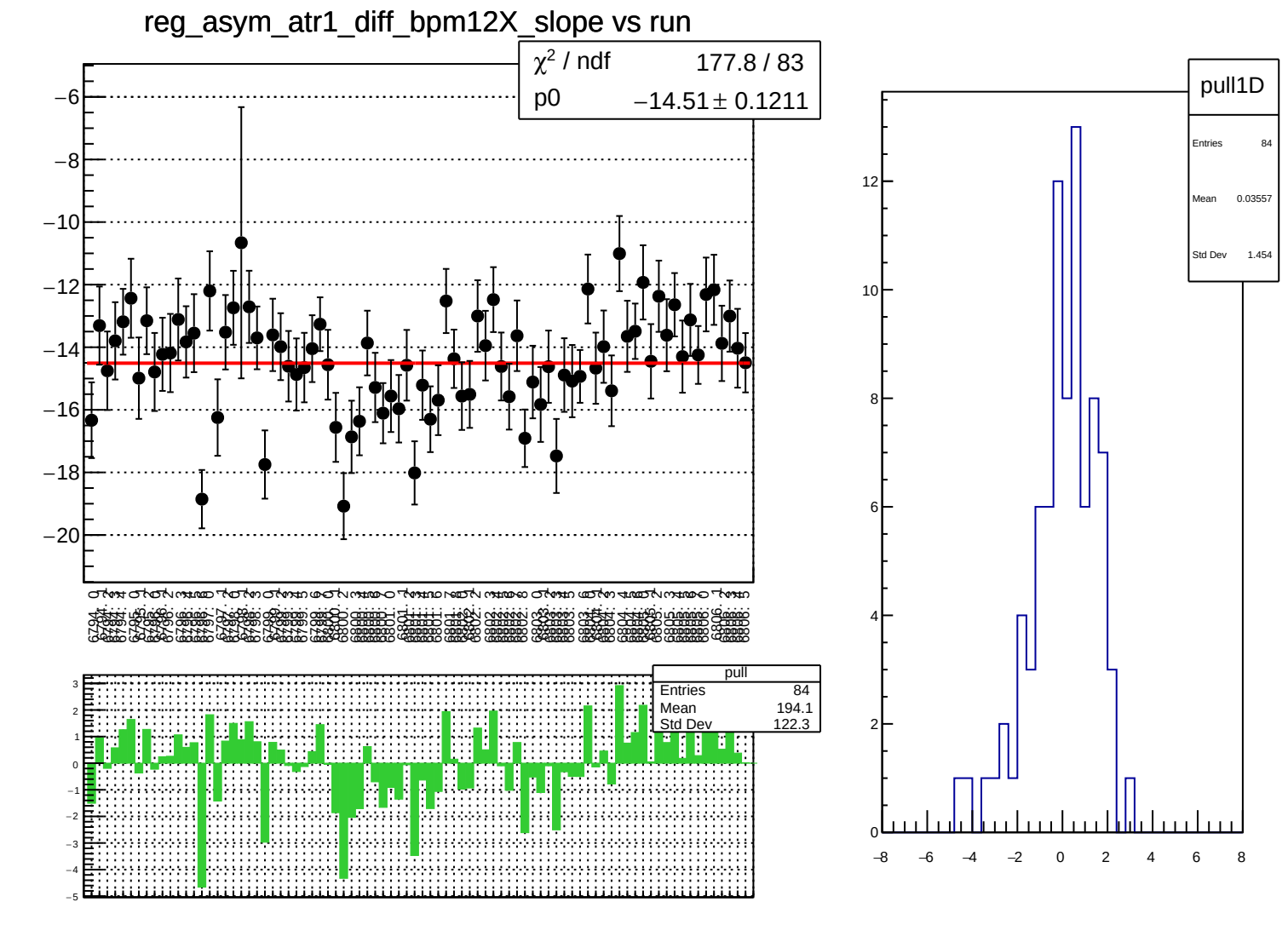

pull1D
Entries 84
Mean −0.02515
Std Dev 1.167

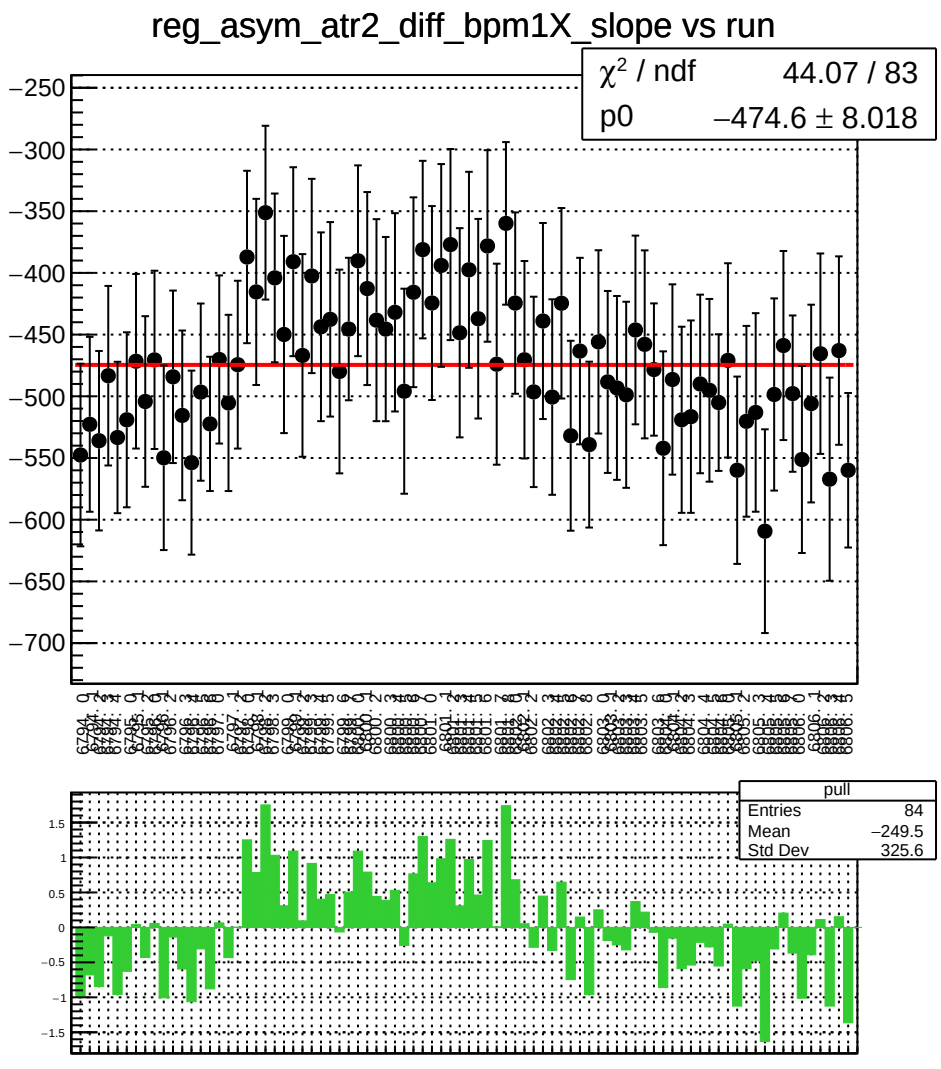

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 79.95 / 83
p0 −8.356 ± 2.832
50
0
−50
−100
−150
pull
Entries 84
Mean −328.2
Std Dev 346.7
2
1
0
−1
−2

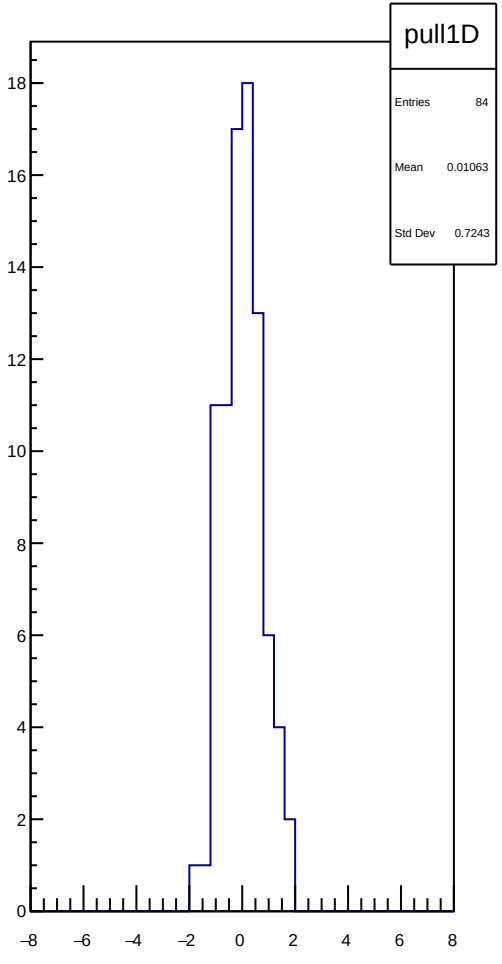

pull1D
Entries 84
Mean 0.002218
Std Dev 0.9756
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

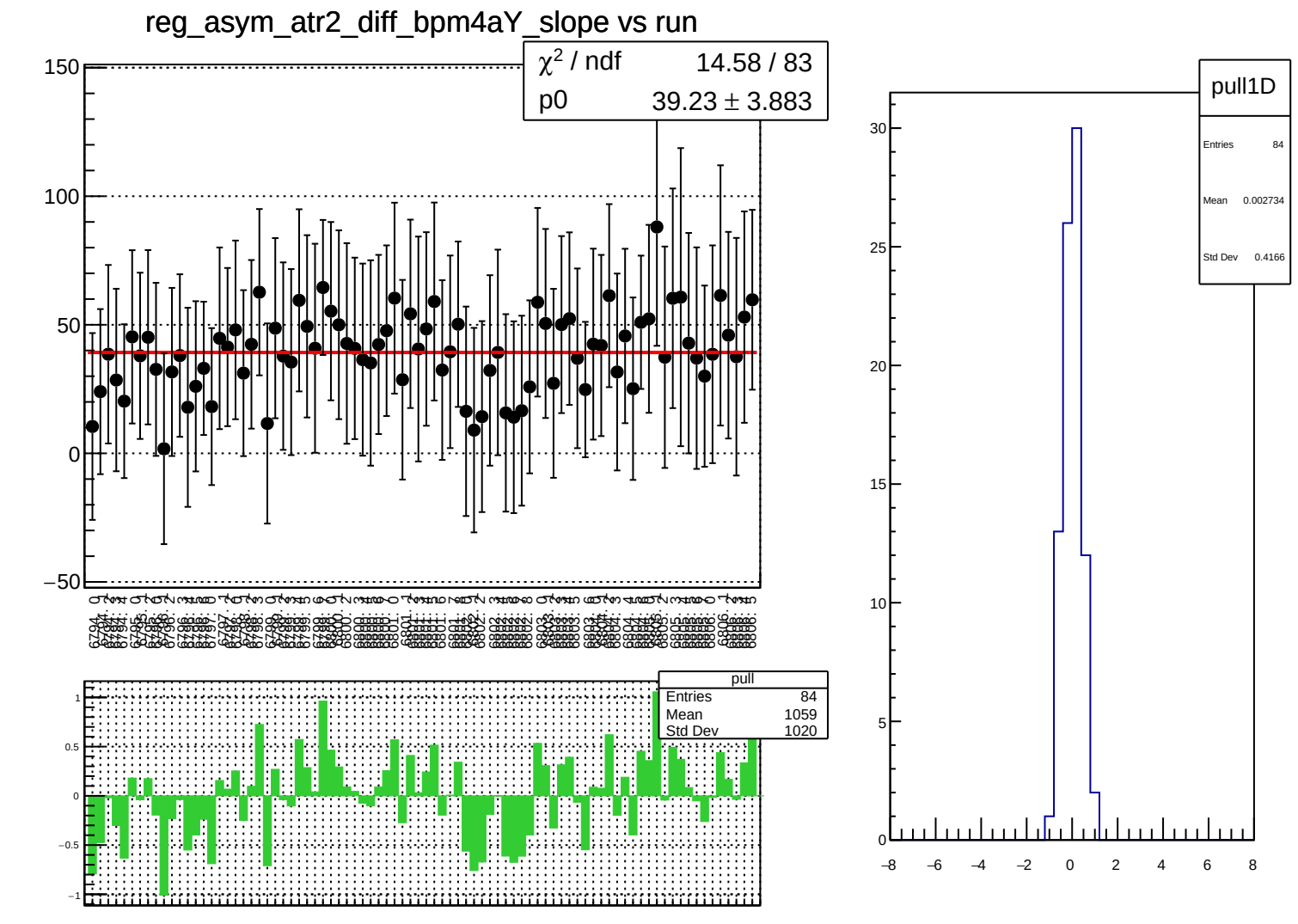

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 108.1 / 83
p0 −29.61 ± 2.054
150
100
50
0
−50
−100
pull
Entries 84
Mean −258.8
Std Dev 268
3
2
1
0
−1
−2
−3

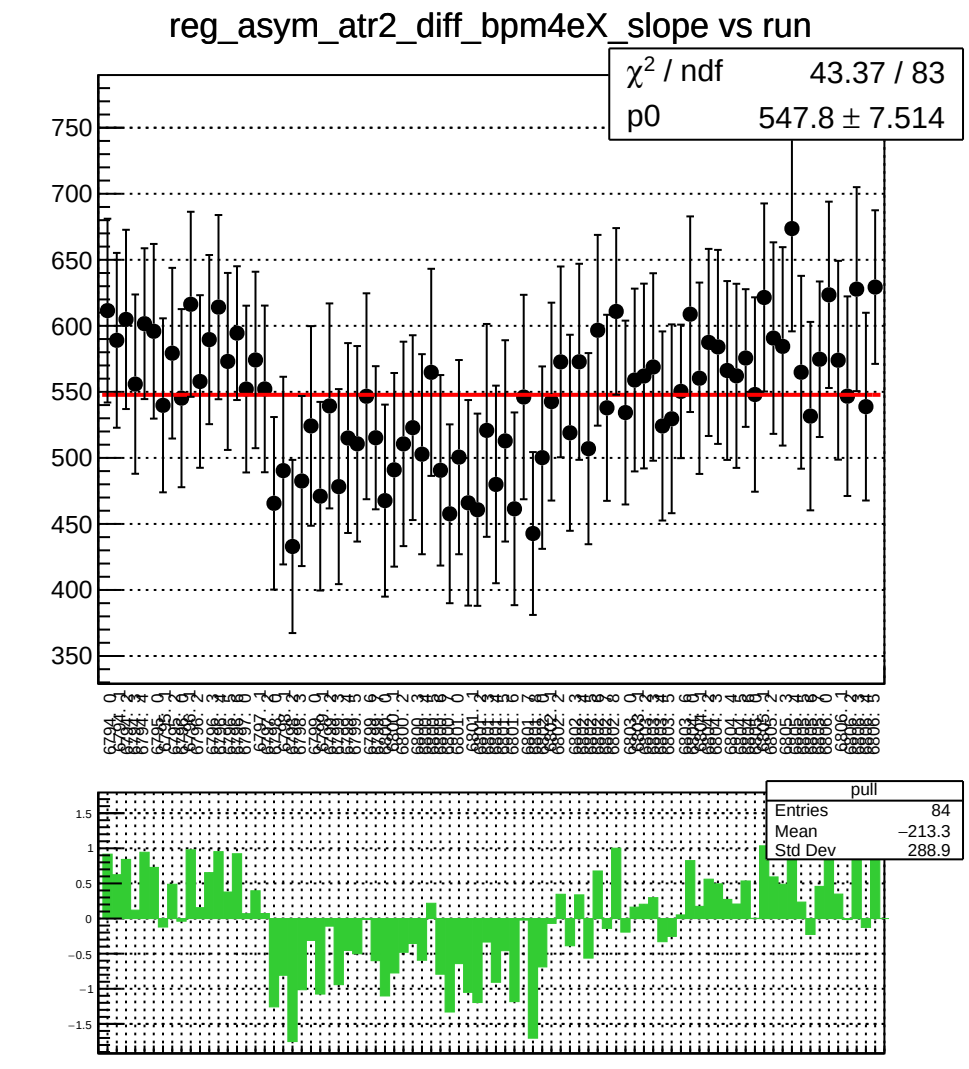

pull1D
Entries 84
Mean 0.01116
Std Dev 1.135
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

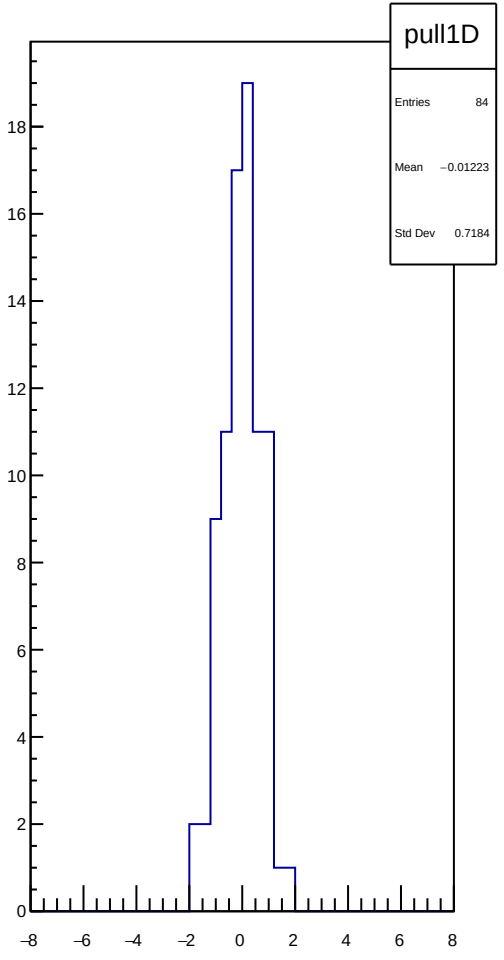

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 177.8 / 83
p0 −14.51 ± 0.1211
pull
Entries 84
Mean 194.1
Std Dev 122.3
pull1D
Entries 84
Mean 0.03557
Std Dev 1.454

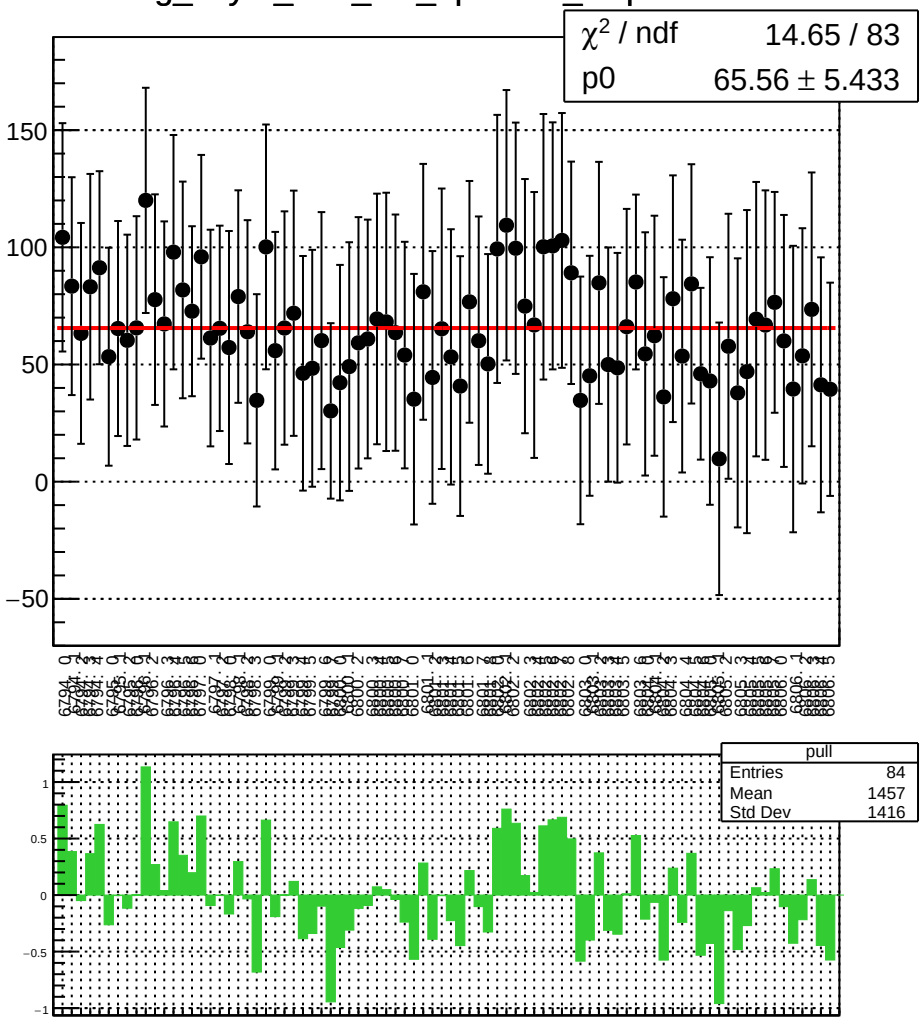

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 44.07 / 83
p0 −474.6 ± 8.018
pull
Entries 84
Mean −249.5
Std Dev 325.6

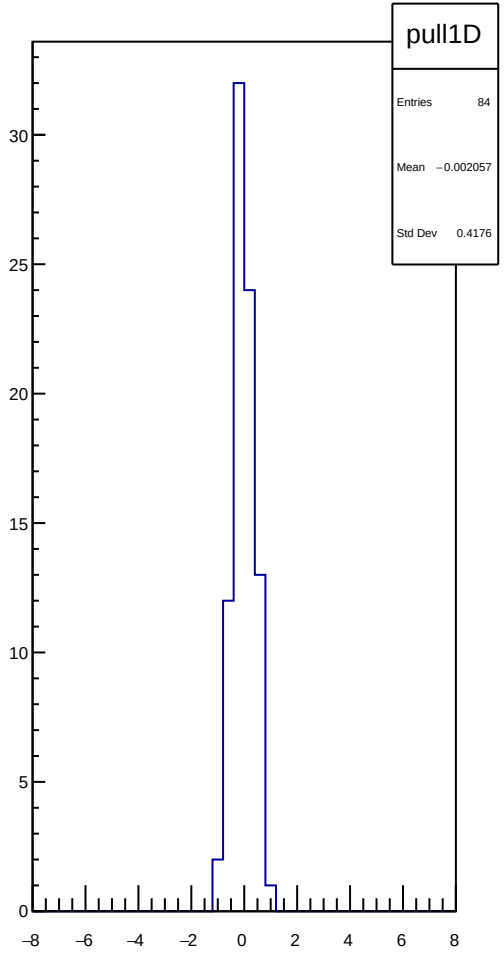

pull1D
Entries 84
Mean 0.01063
Std Dev 0.7243

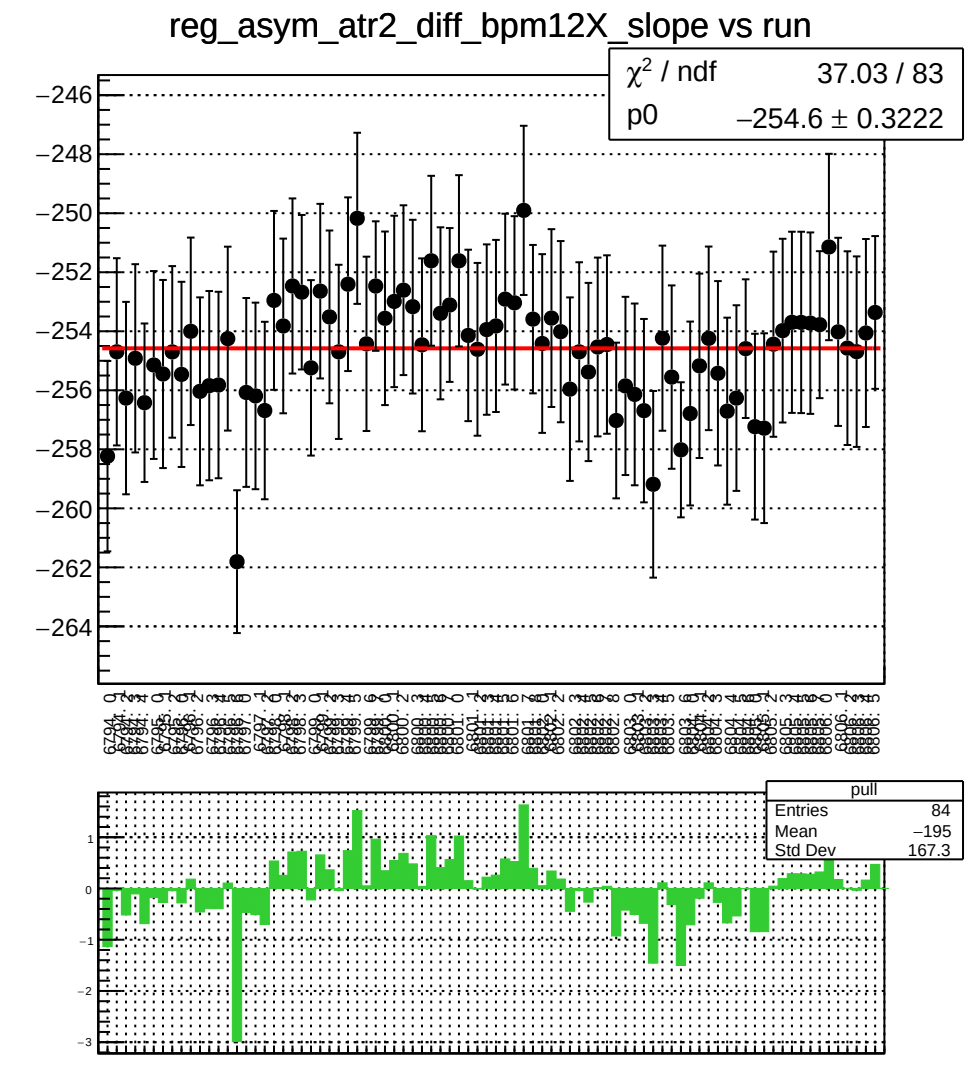

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 14.58 / 83
p0 39.23 ± 3.883
pull
Entries 84
Mean 1059
Std Dev 1020
pull1D
Entries 84
Mean 0.002734
Std Dev 0.4166

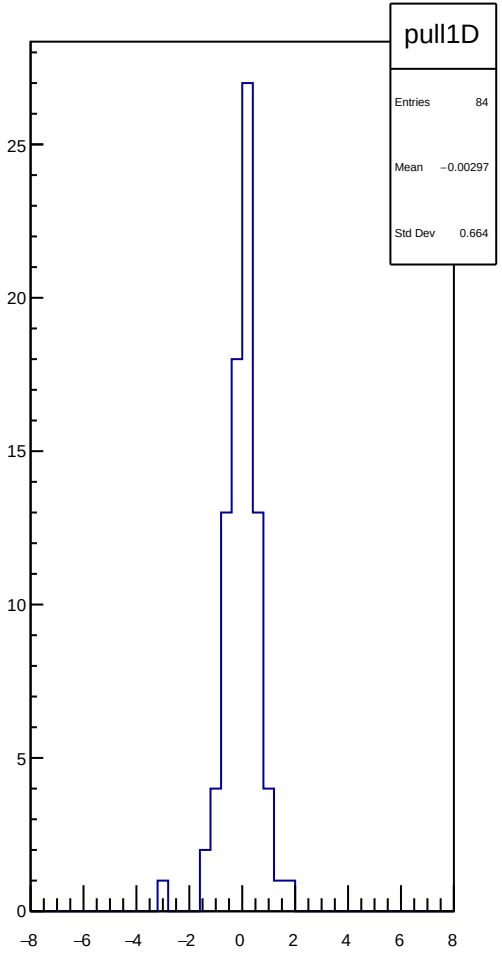

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 43.37 / 83
p0 547.8 ± 7.514
pull
Entries 84
Mean −213.3
Std Dev 288.9

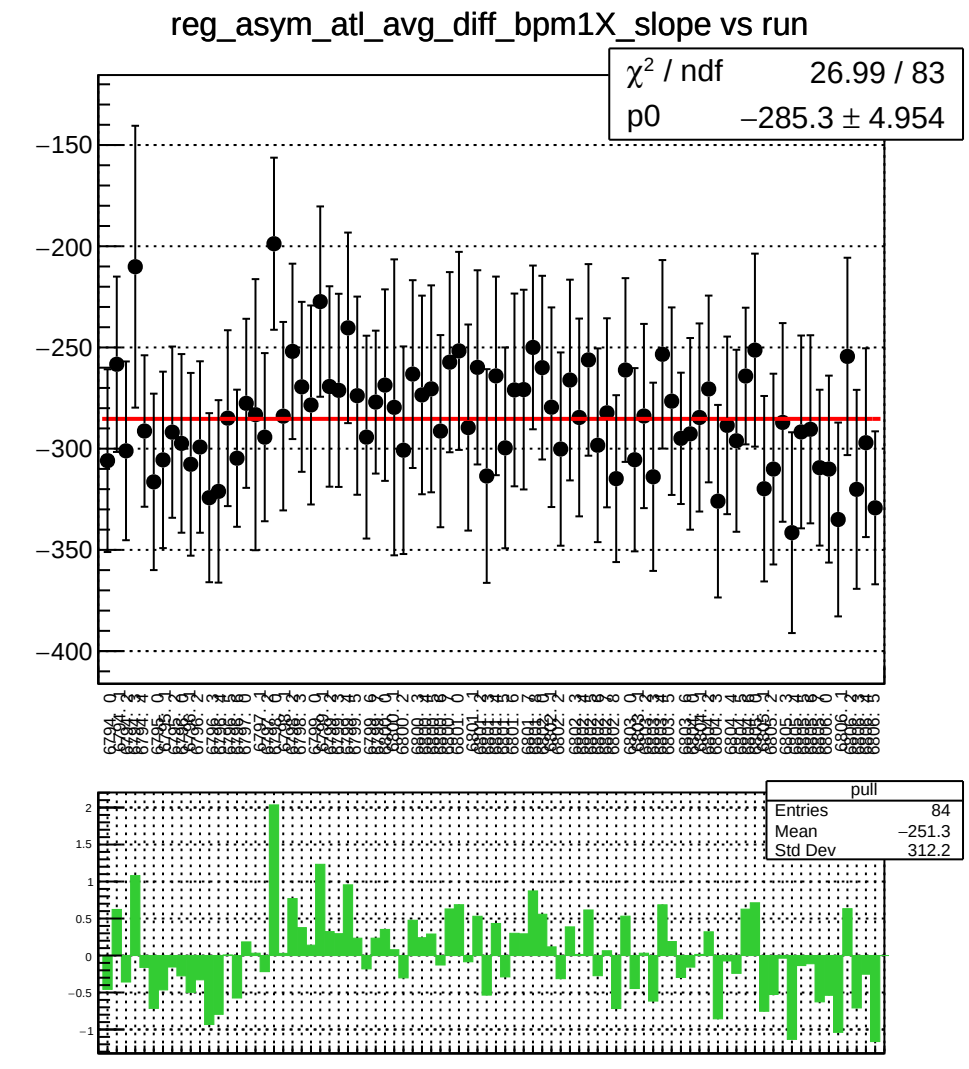

pull1D
Entries 84
Mean −0.01223
Std Dev 0.7184

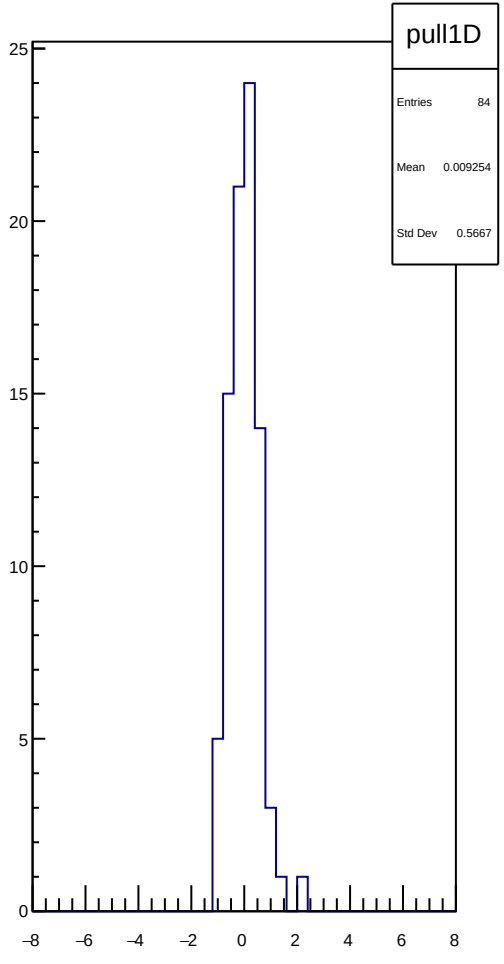

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 14.65 / 83
p0 65.56 ± 5.433
150
100
50
0
−50
pull
Entries 84
Mean 1457
Std Dev 1416
1
0.5
0
−0.5
−1

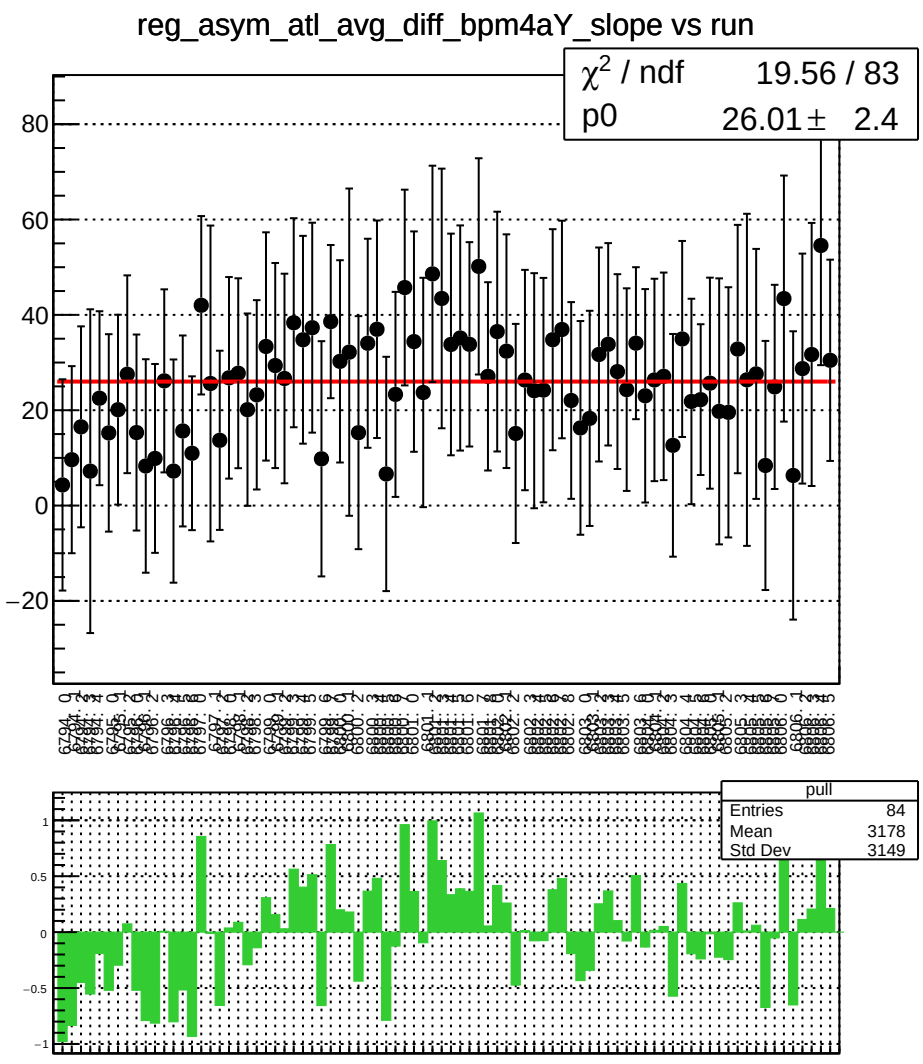

pull1D
Entries 84
Mean −0.002057
Std Dev 0.4176
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

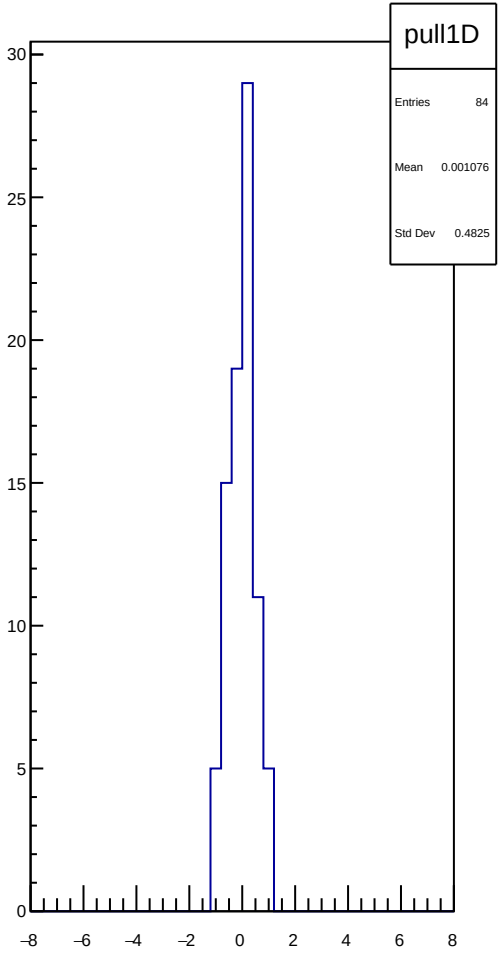

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 37.03 / 83
p0 −254.6 ± 0.3222
pull
Entries 84
Mean −195
Std Dev 167.3

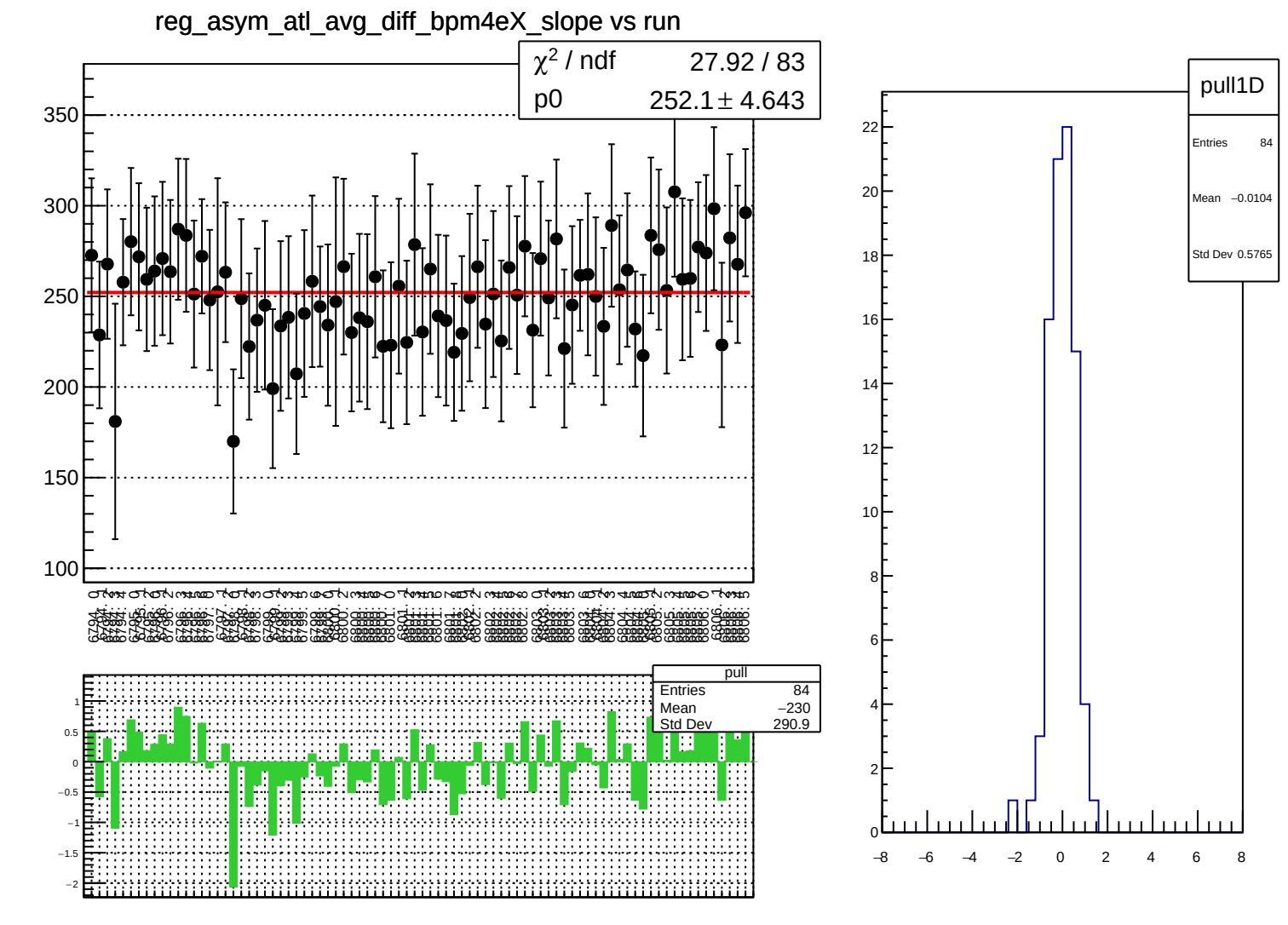

pull1D
Entries 84
Mean −0.00297
Std Dev 0.664

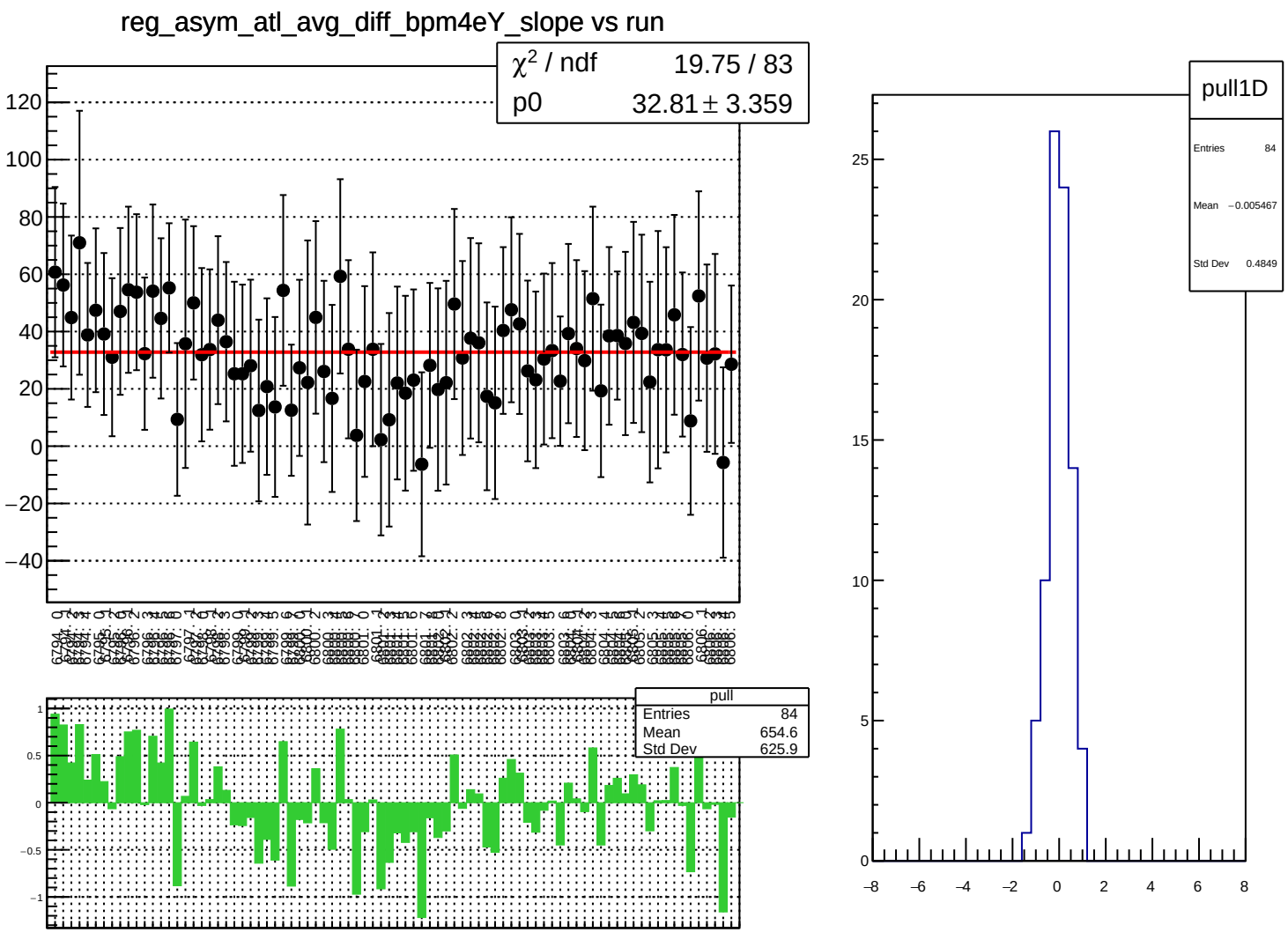

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 26.99 / 83
p0 −285.3 ± 4.954
−150
−200
−250
−300
−350
−400
pull
Entries 84
Mean −251.3
Std Dev 312.2
2
1.5
1
0.5
0
−0.5
−1

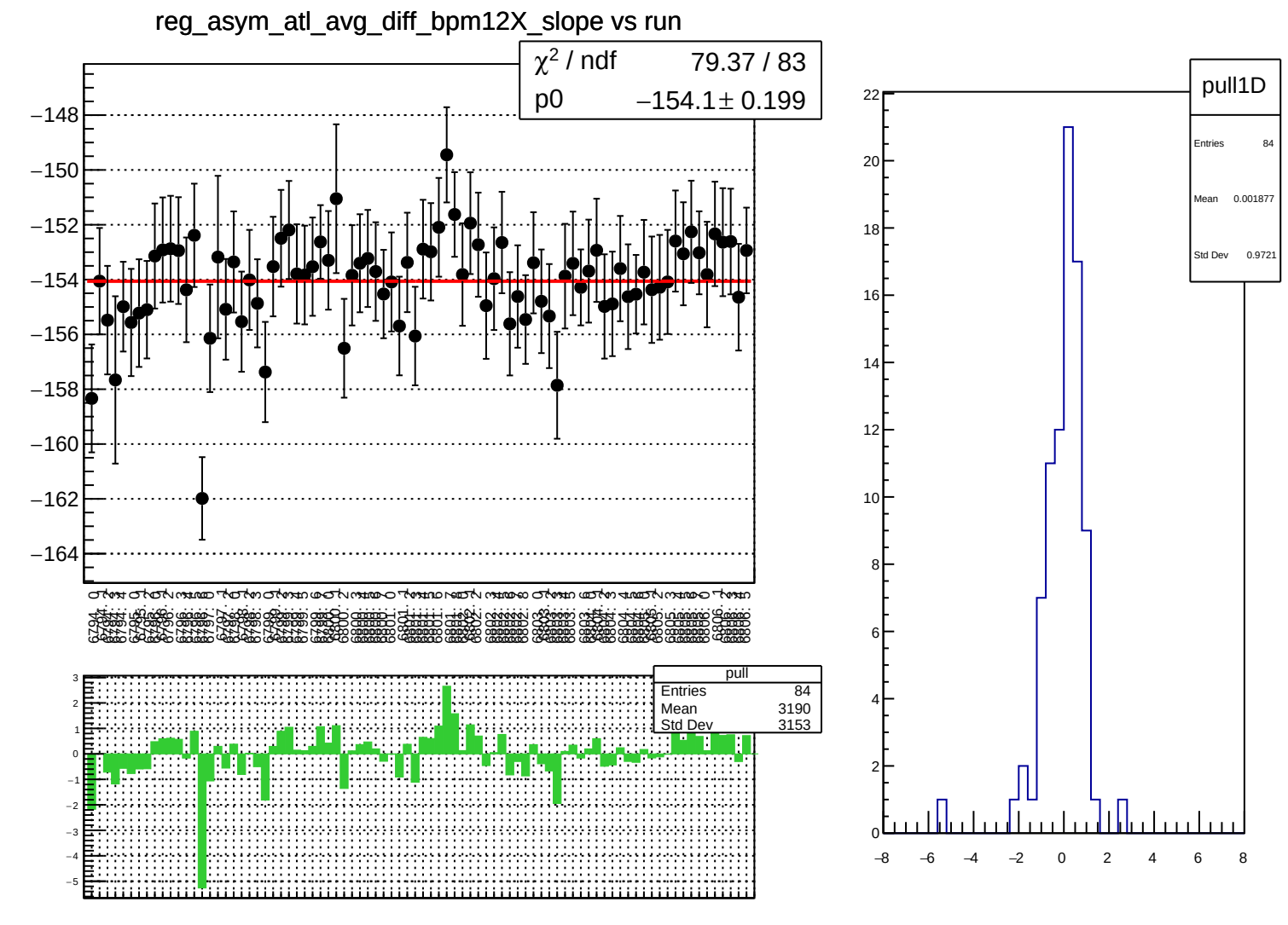

pull1D
Entries 84
Mean 0.009254
Std Dev 0.5667
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

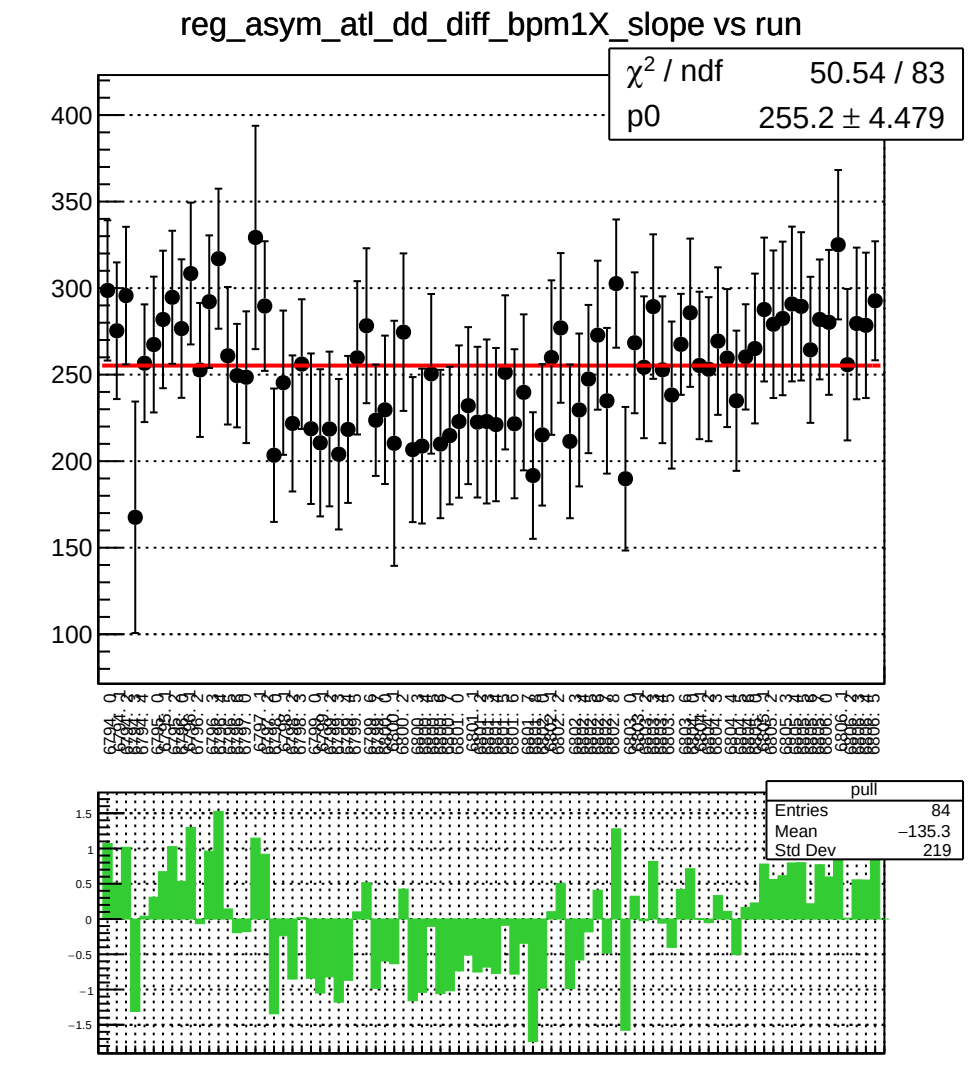

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 19.56 / 83
p0 26.01 ± 2.4
pull
Entries 84
Mean 3178
Std Dev 3149

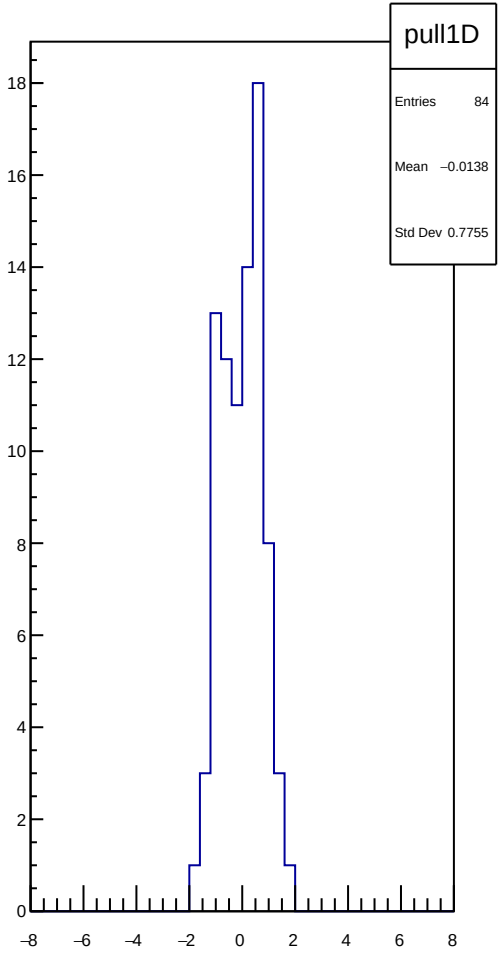

pull1D
Entries 84
Mean 0.001076
Std Dev 0.4825

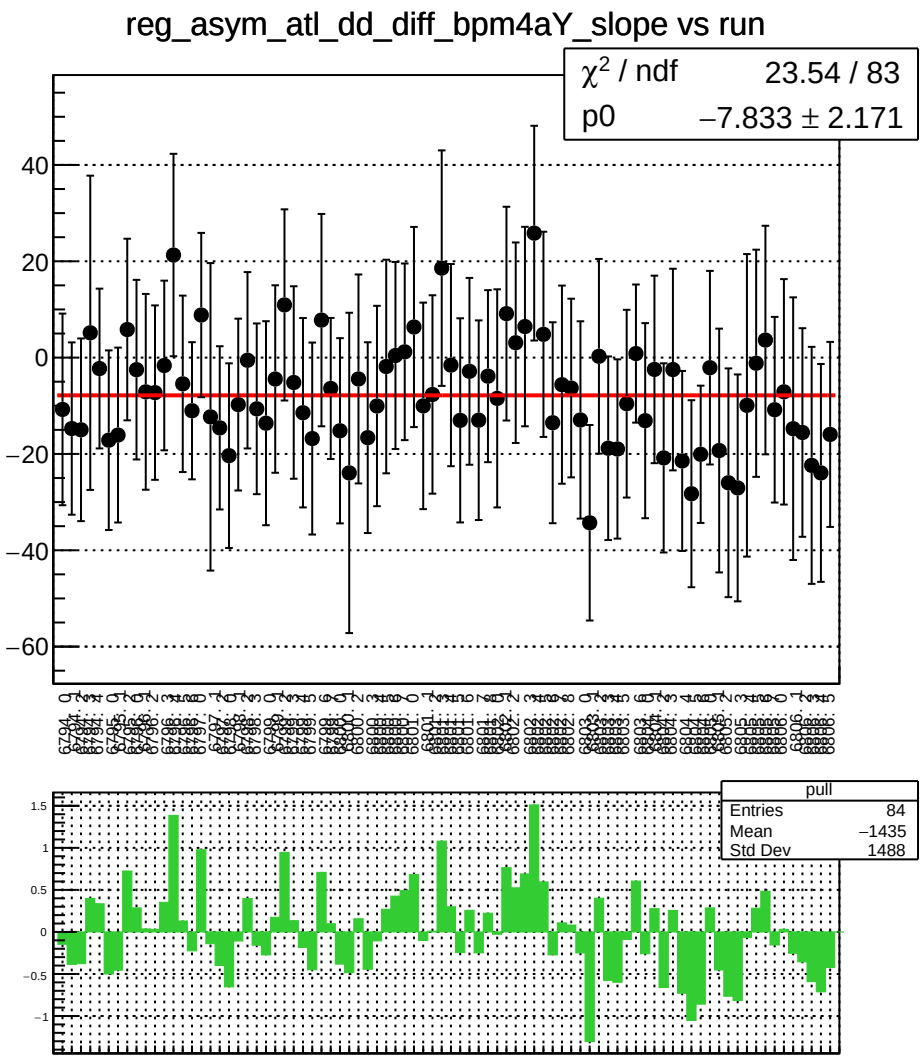

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 27.92 / 83
p0 252.1 ± 4.643
pull
Entries 84
Mean −230
Std Dev 290.9
pull1D
Entries 84
Mean −0.0104
Std Dev 0.5765

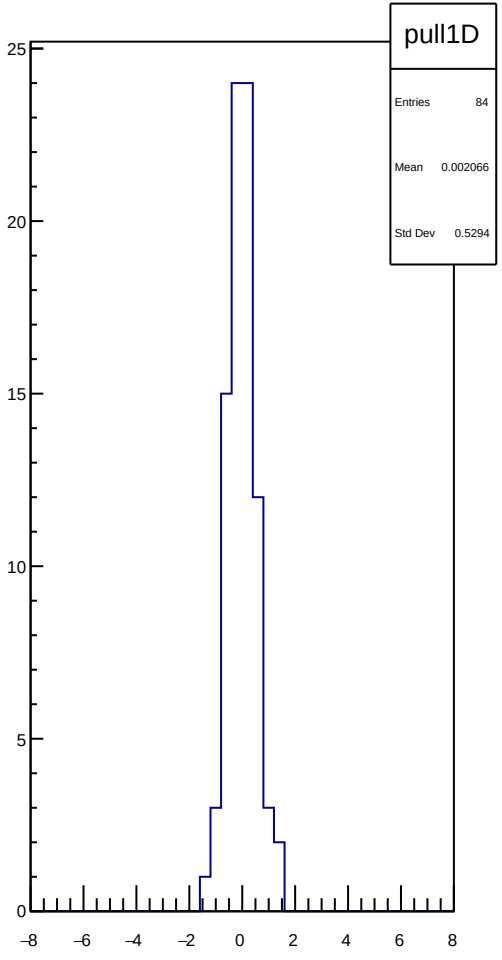

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 19.75 / 83
p0 32.81 ± 3.359
pull
Entries 84
Mean 654.6
Std Dev 625.9
pull1D
Entries 84
Mean −0.005467
Std Dev 0.4849

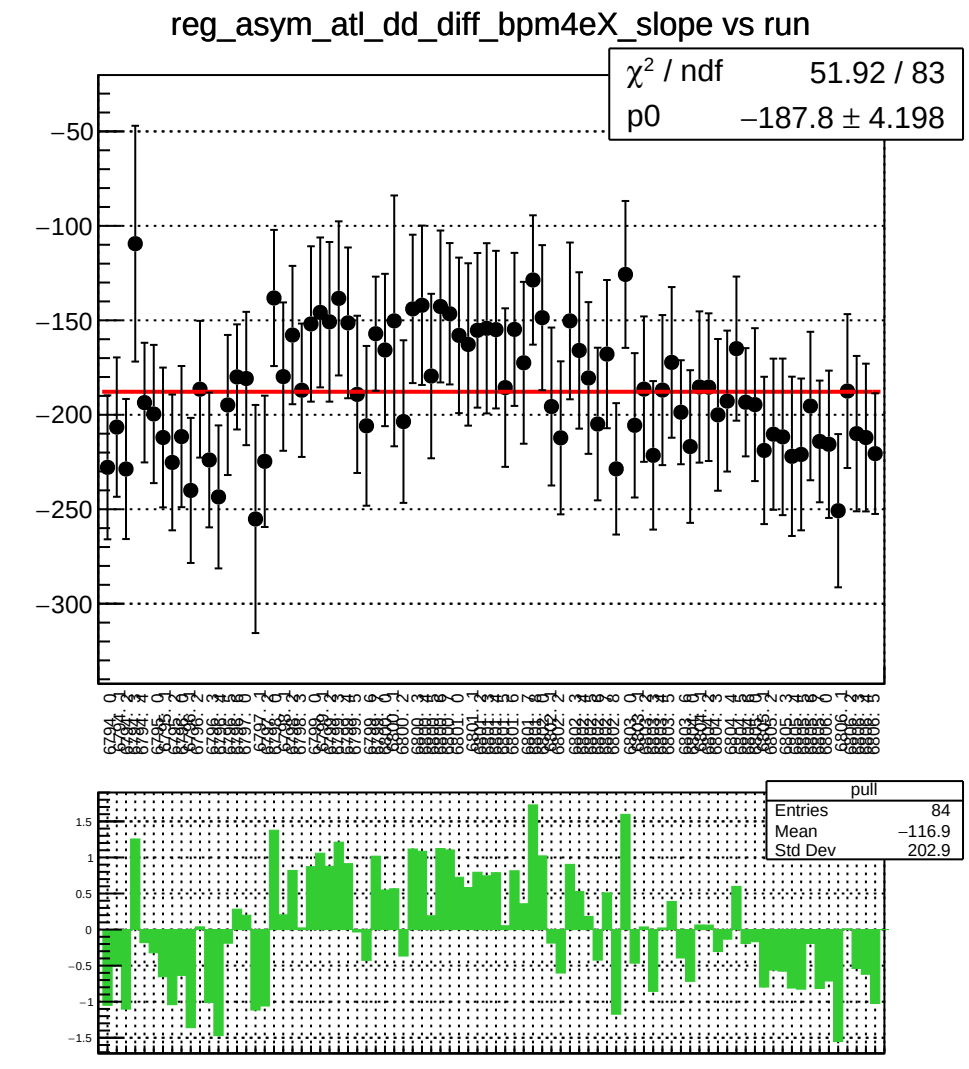

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 79.37 / 83
p0 −154.1± 0.199
pull
Entries 84
Mean 3190
Std Dev 3153
pull1D
Entries 84
Mean 0.001877
Std Dev 0.9721

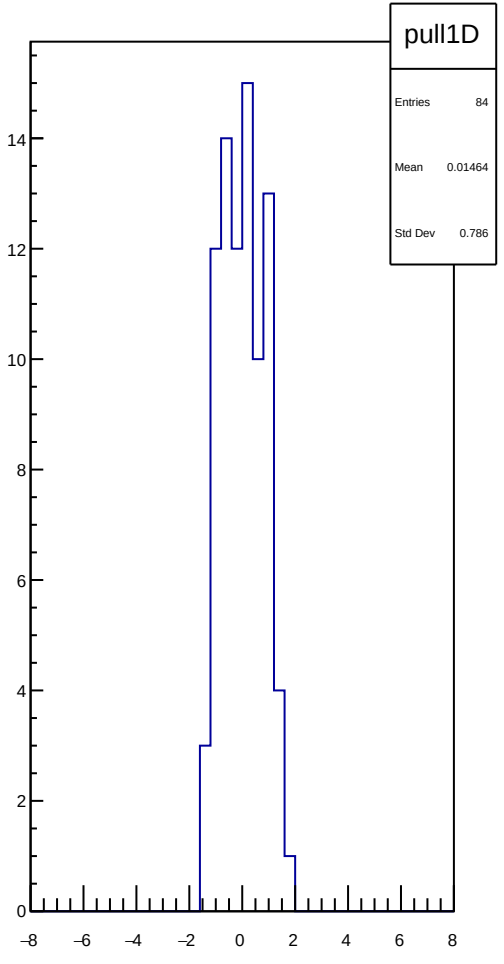

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 50.54 / 83
p0 255.2 ± 4.479
pull
Entries 84
Mean −135.3
Std Dev 219

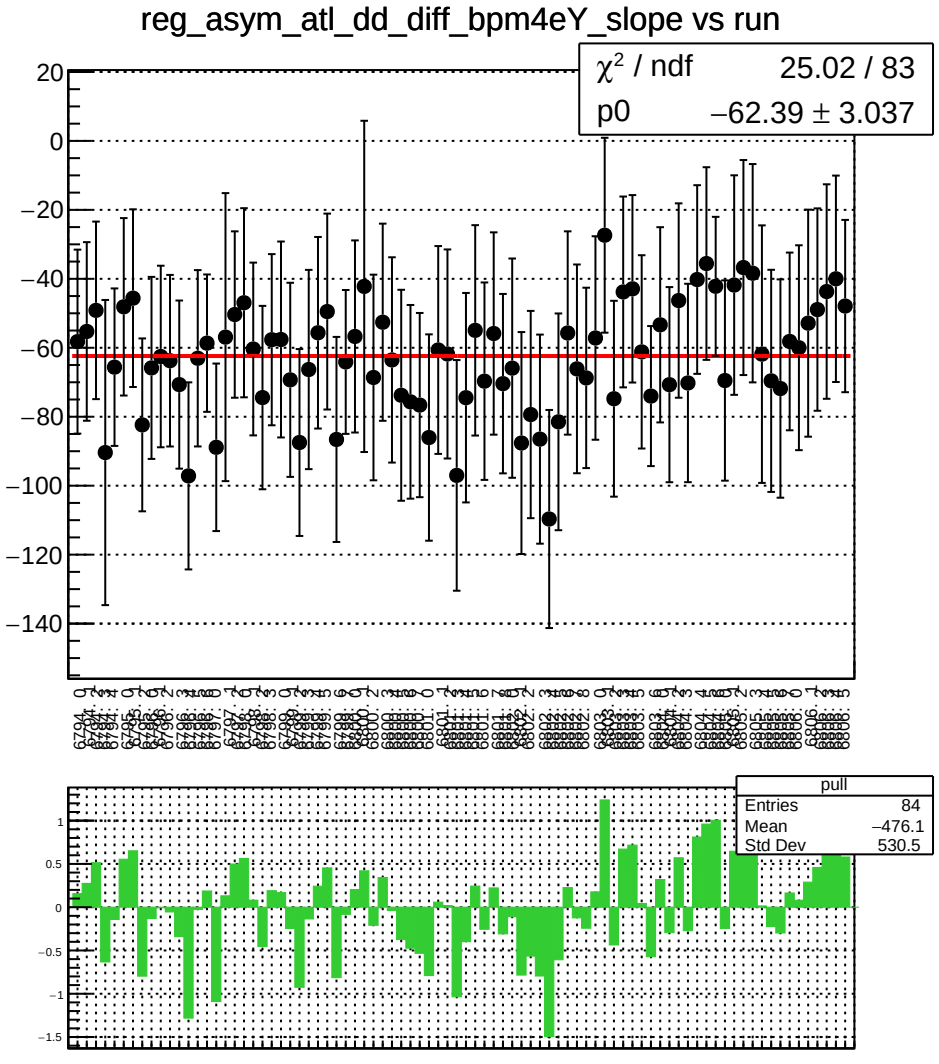

pull1D
Entries 84
Mean −0.0138
Std Dev 0.7755

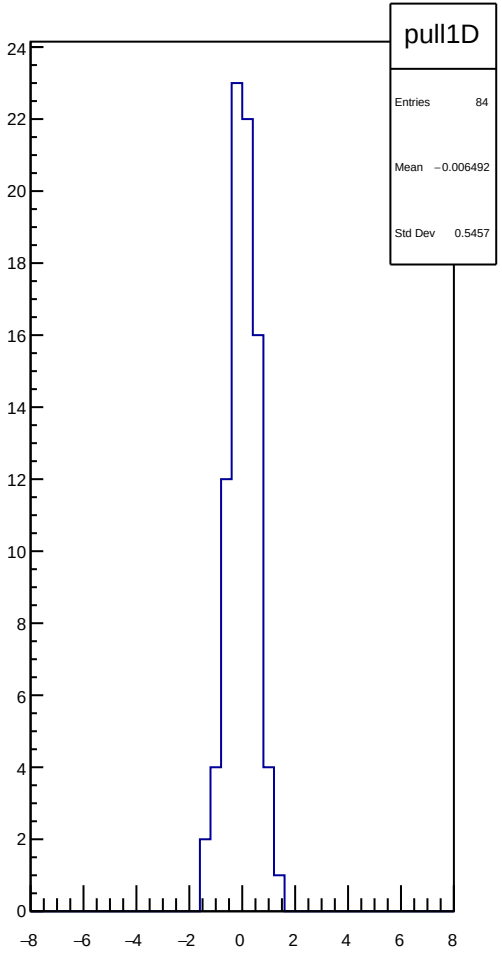

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 23.54 / 83
p0 −7.833 ± 2.171
pull
Entries 84
Mean −1435
Std Dev 1488

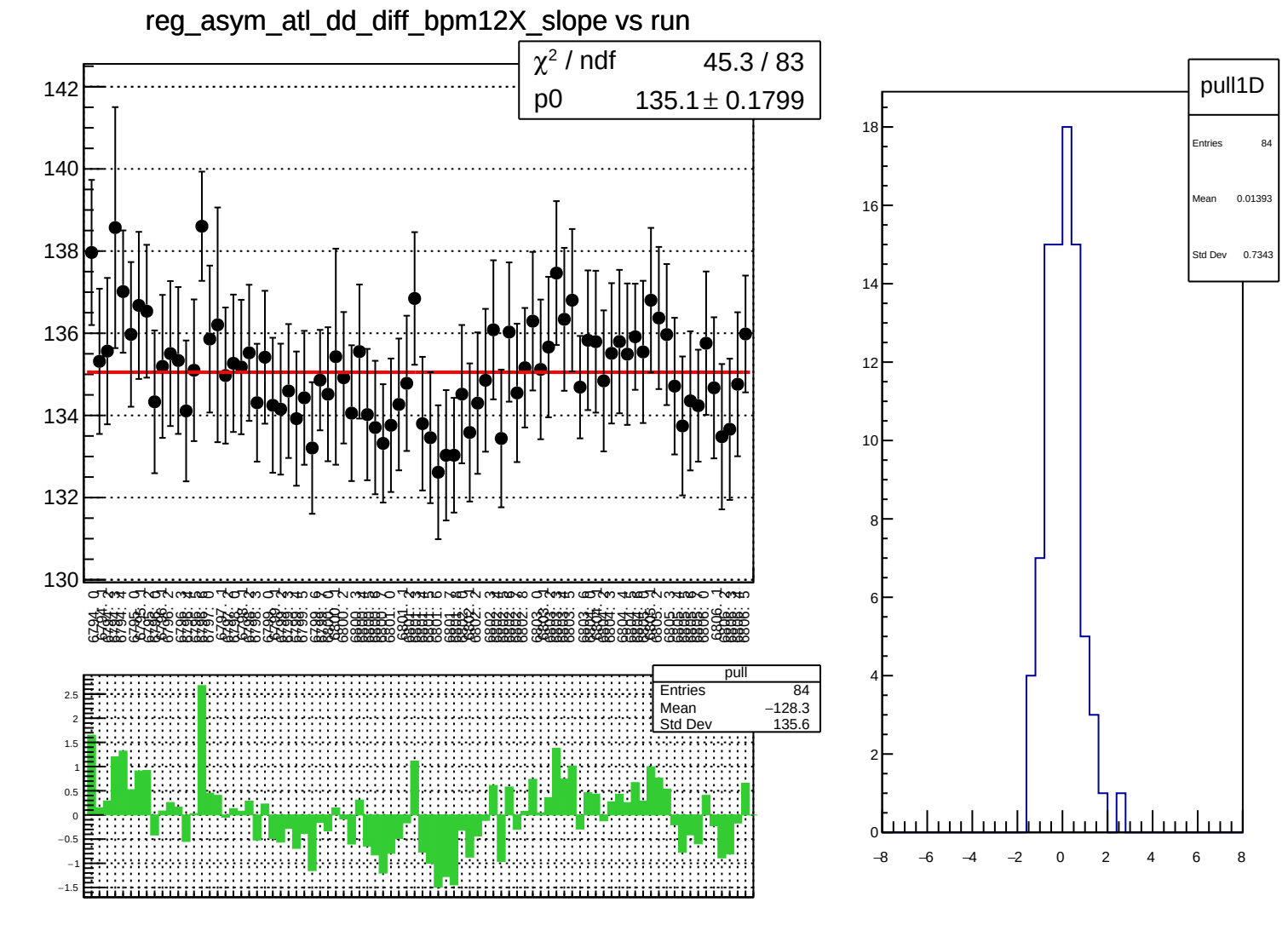

pull1D
Entries 84
Mean 0.002066
Std Dev 0.5294

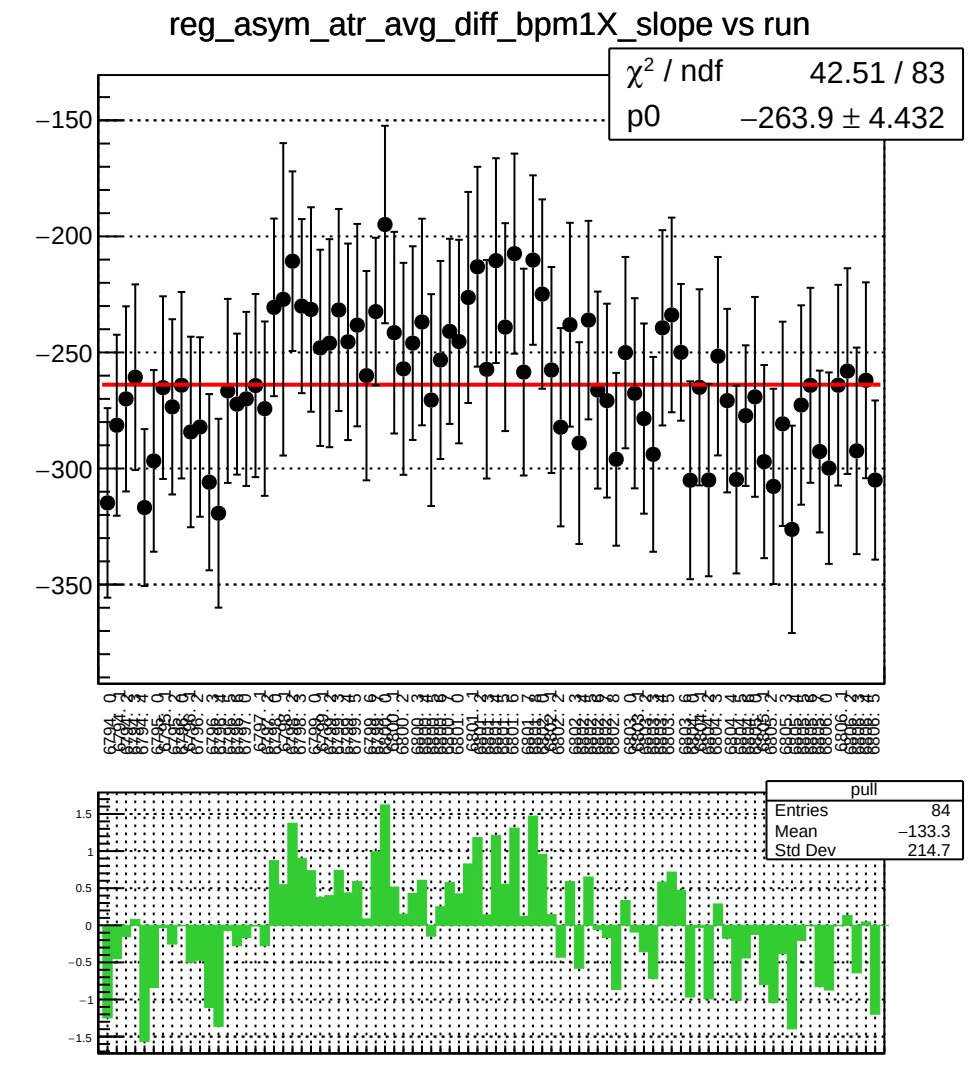

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 51.92 / 83
p0 −187.8 ± 4.198
pull
Entries 84
Mean −116.9
Std Dev 202.9

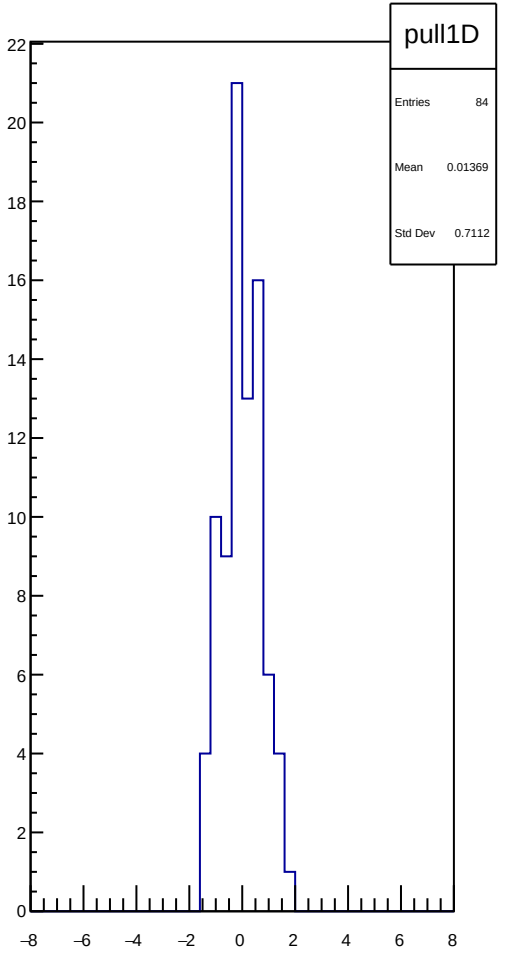

pull1D
Entries 84
Mean 0.01464
Std Dev 0.786

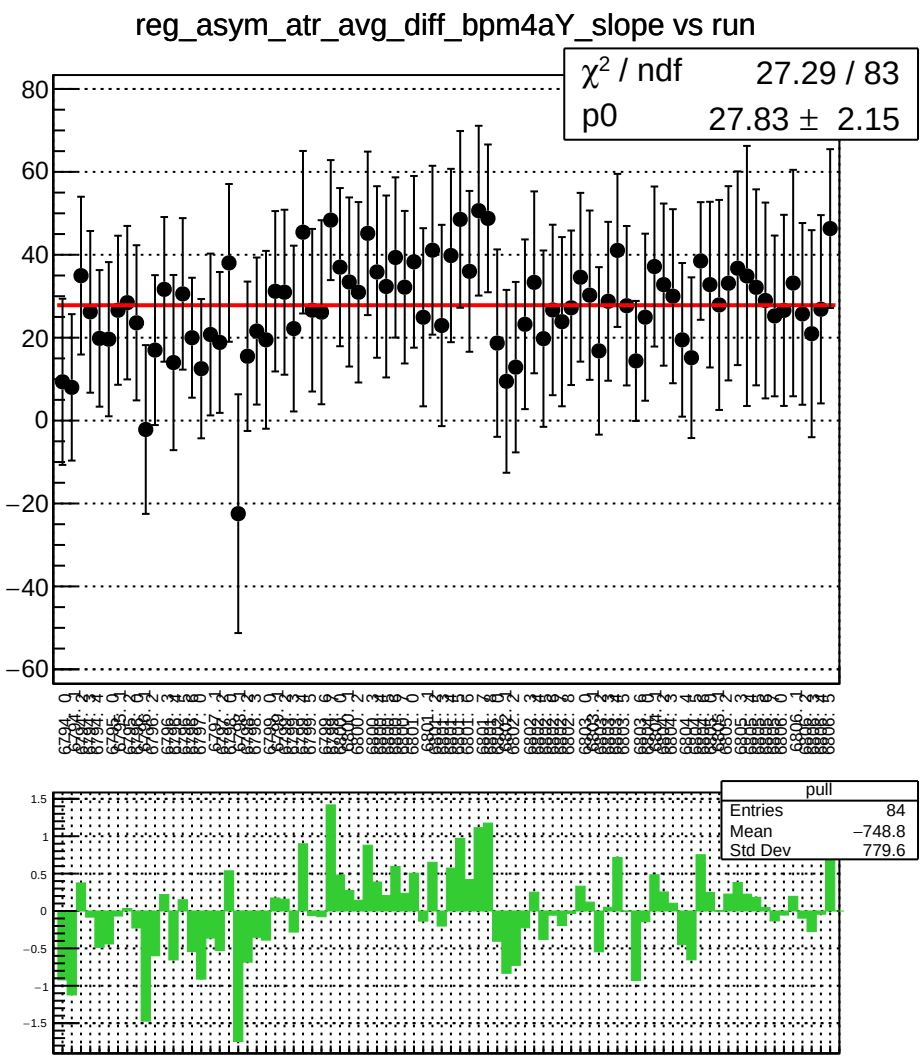

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 25.02 / 83
p0 −62.39 ± 3.037
pull
Entries 84
Mean −476.1
Std Dev 530.5

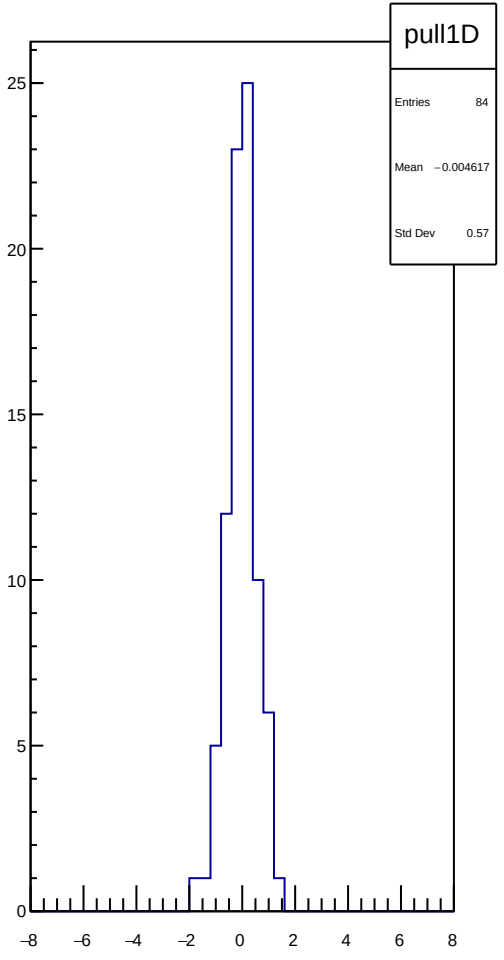

pull1D
Entries 84
Mean −0.006492
Std Dev 0.5457

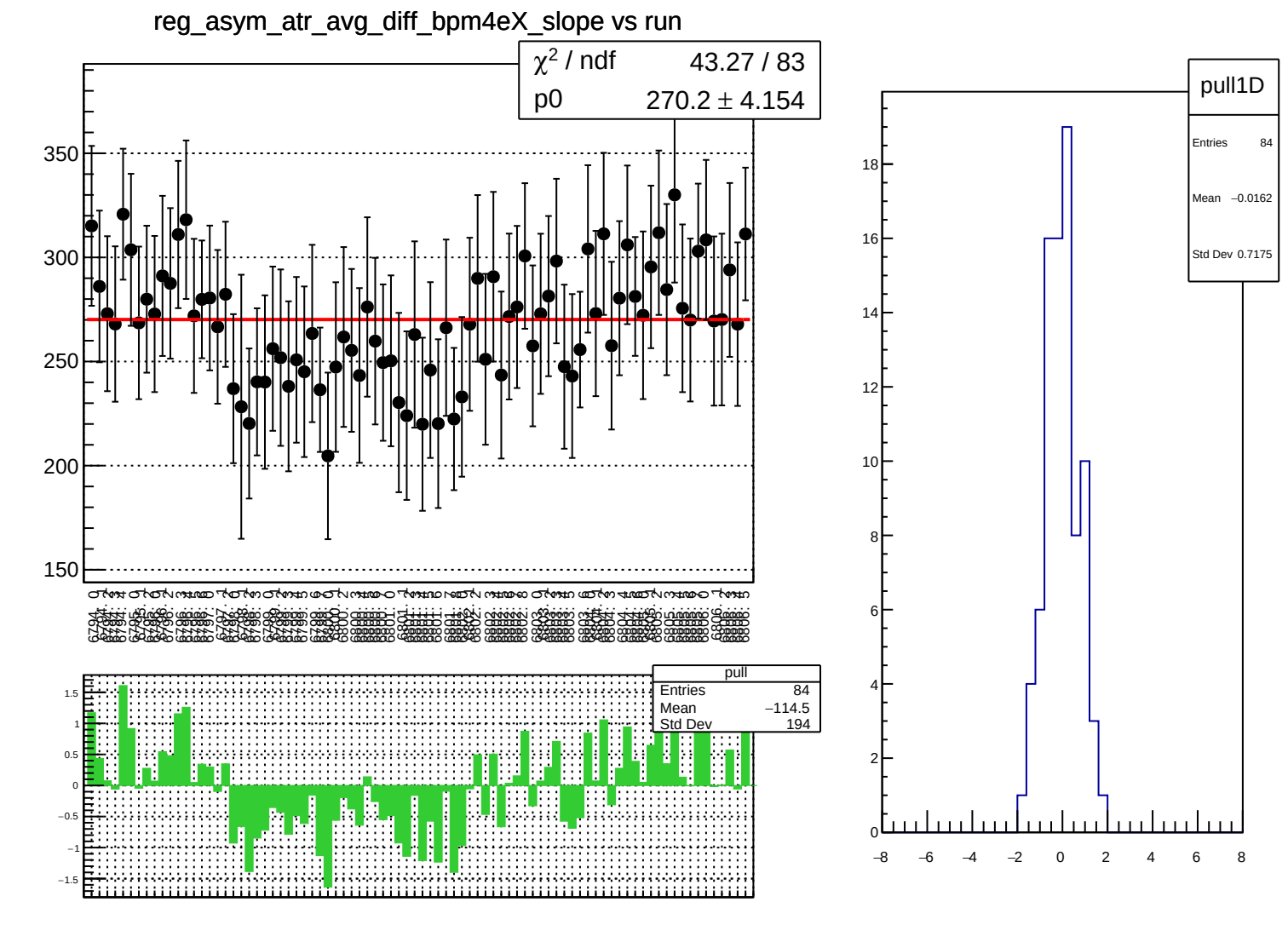

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 45.3 / 83
p0 135.1 ± 0.1799
142
140
138
136
134
132
130
pull
Entries 84
Mean −128.3
Std Dev 135.6
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 84
Mean 0.01393
Std Dev 0.7343
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

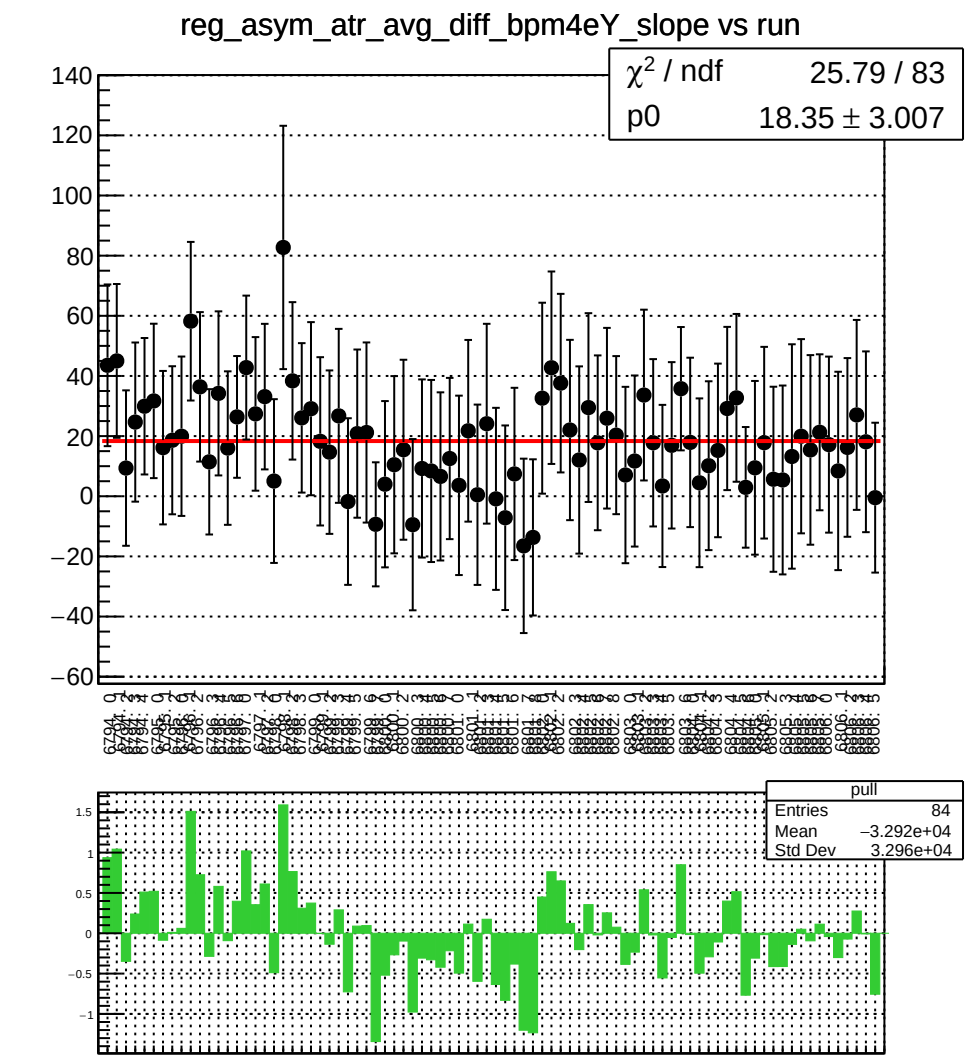

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 42.51 / 83
p0 −263.9 ± 4.432
−150
−200
−250
−300
−350
pull
Entries 84
Mean −133.3
Std Dev 214.7
1.5
1
0.5
0
−0.5
−1
−1.5

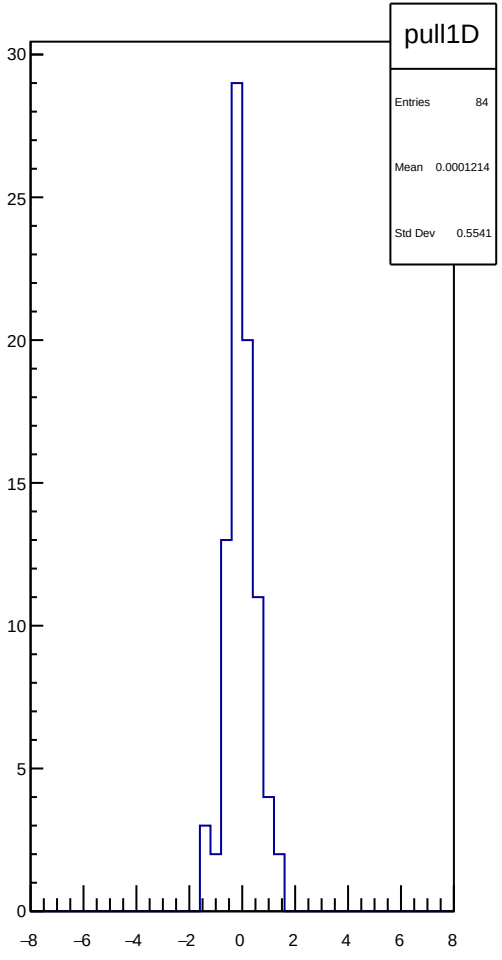

pull1D
Entries 84
Mean 0.01369
Std Dev 0.7112
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

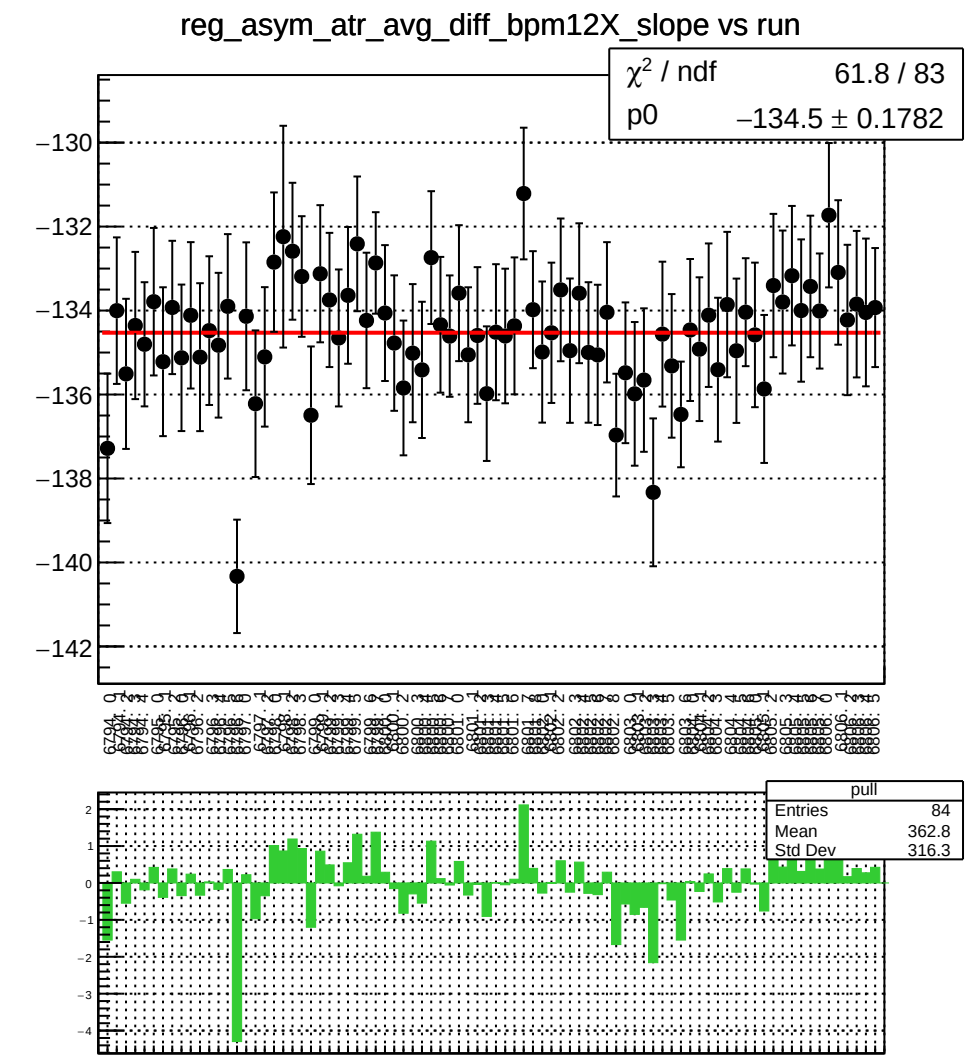

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 27.29 / 83
p0 27.83 ± 2.15
pull
Entries 84
Mean −748.8
Std Dev 779.6

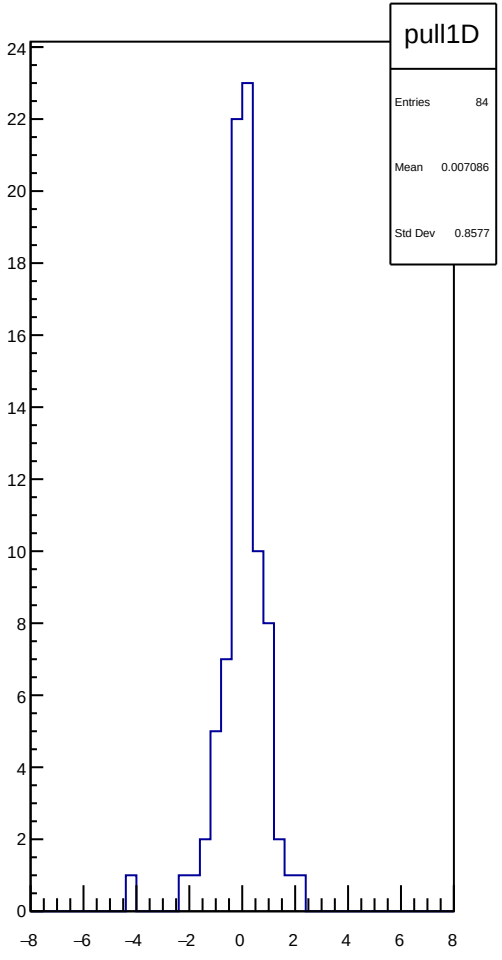

pull1D
Entries 84
Mean −0.004617
Std Dev 0.57

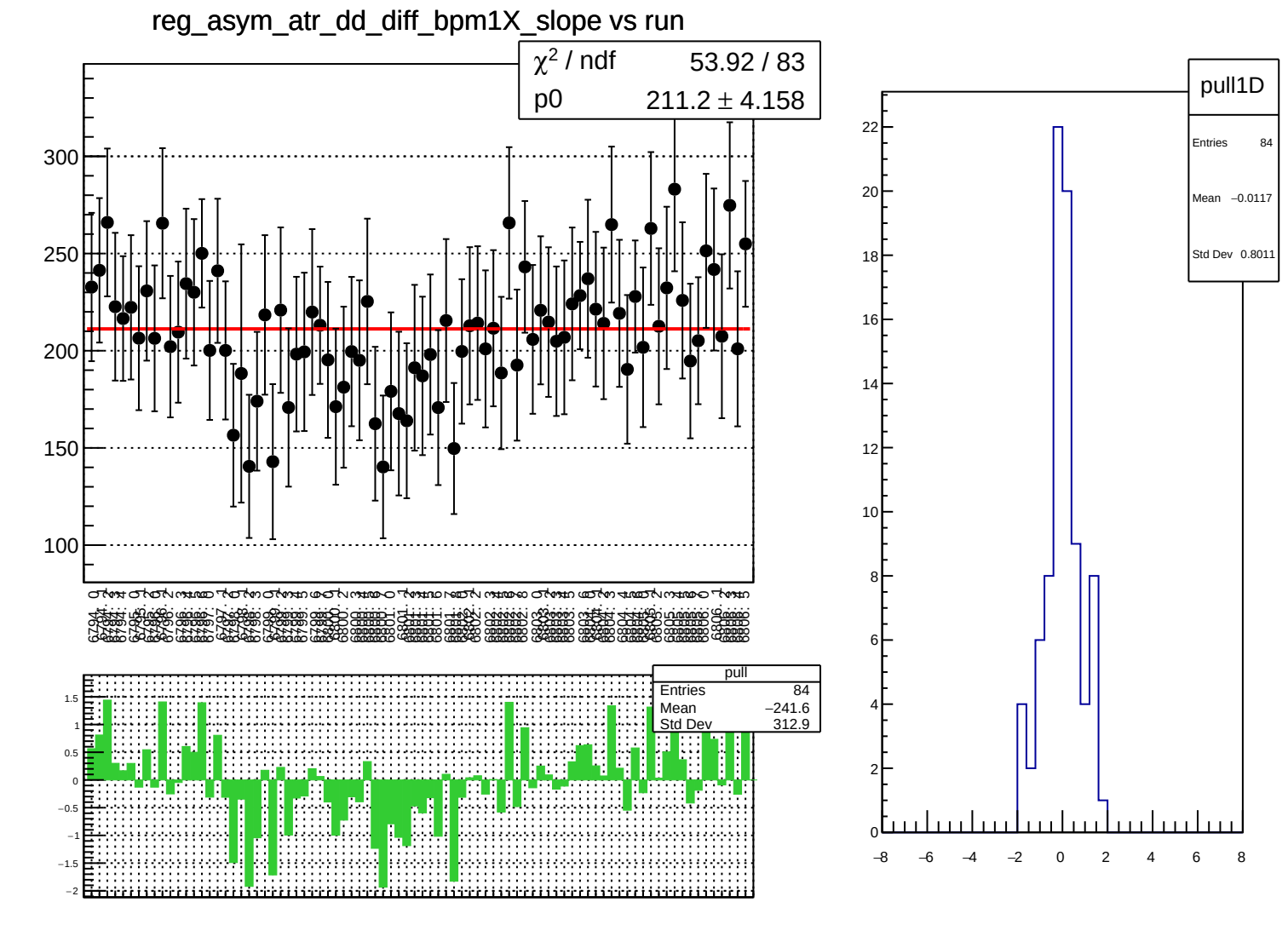

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 43.27 / 83
p0 270.2 ± 4.154
350
300
250
200
150
pull
Entries 84
Mean −114.5
Std Dev 194
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 84
Mean −0.0162
Std Dev 0.7175
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

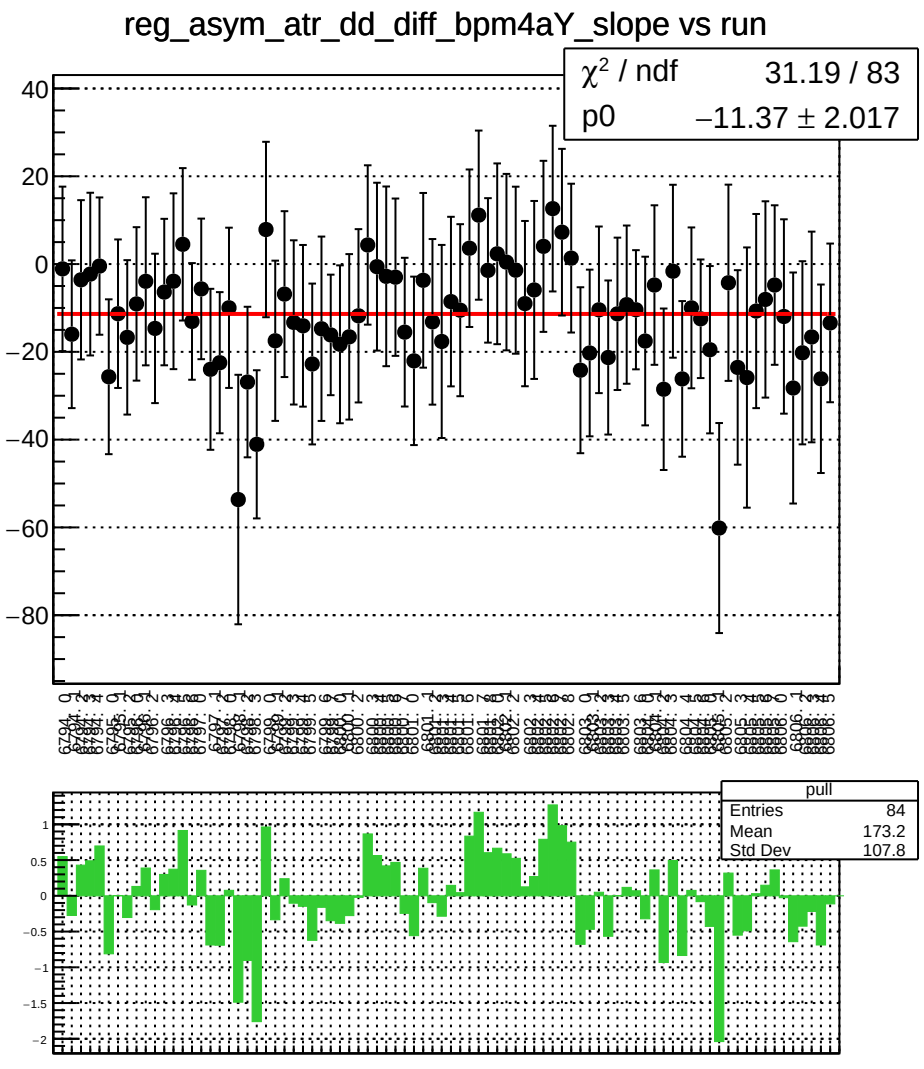

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 25.79 / 83
p0 18.35 ± 3.007
pull
Entries 84
Mean −3.292e+04
Std Dev 3.296e+04

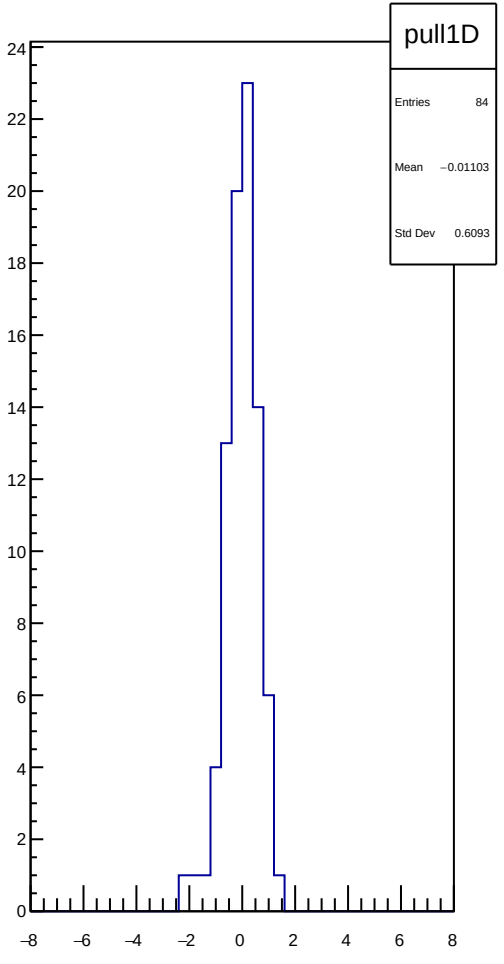

pull1D
Entries 84
Mean 0.0001214
Std Dev 0.5541

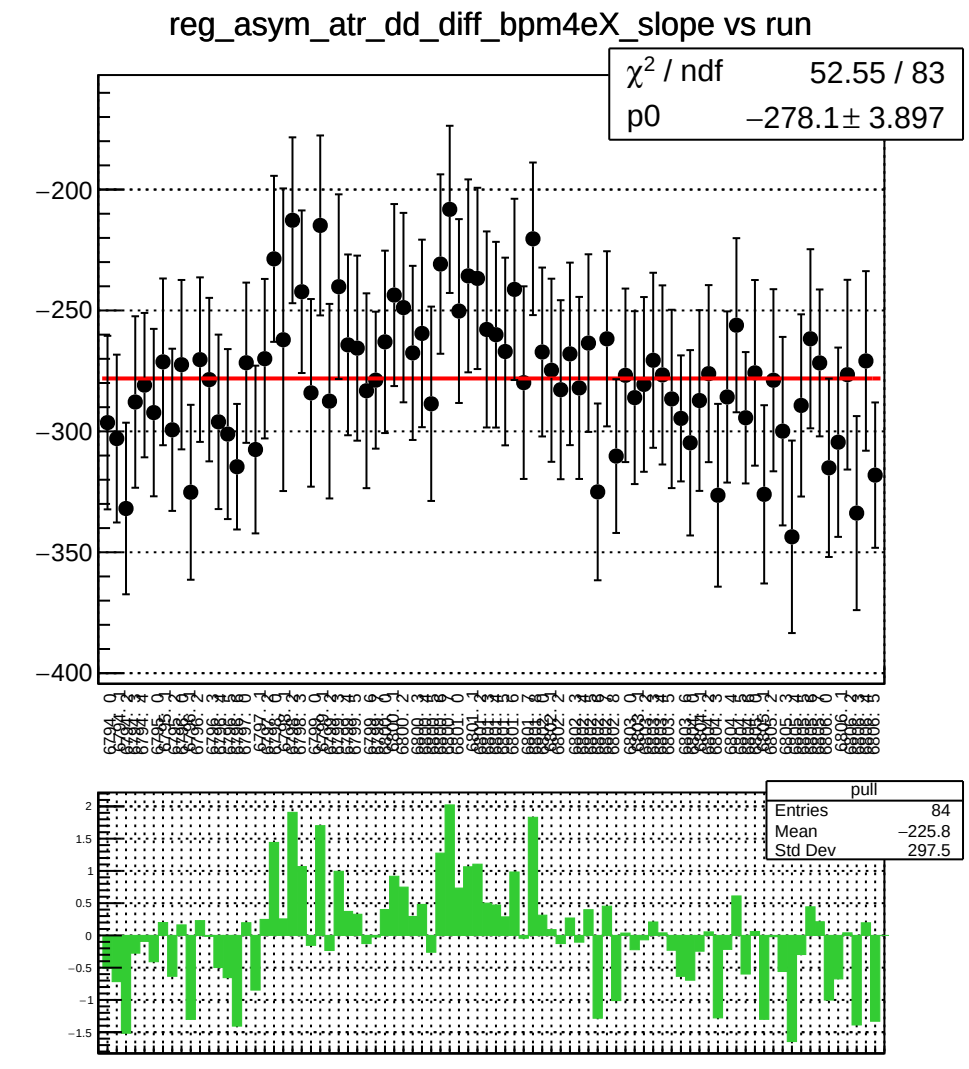

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 61.8 / 83
p0 −134.5 ± 0.1782
pull
Entries 84
Mean 362.8
Std Dev 316.3

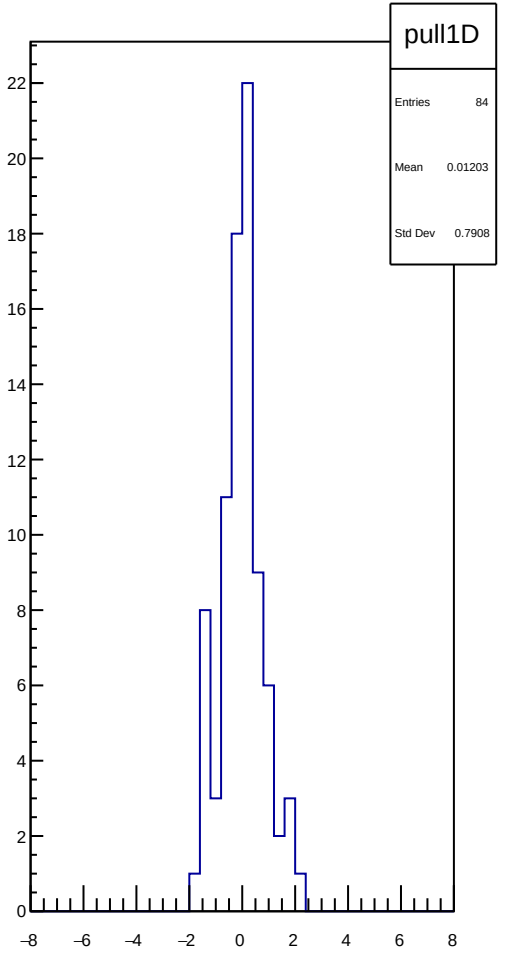

pull1D
Entries 84
Mean 0.007086
Std Dev 0.8577

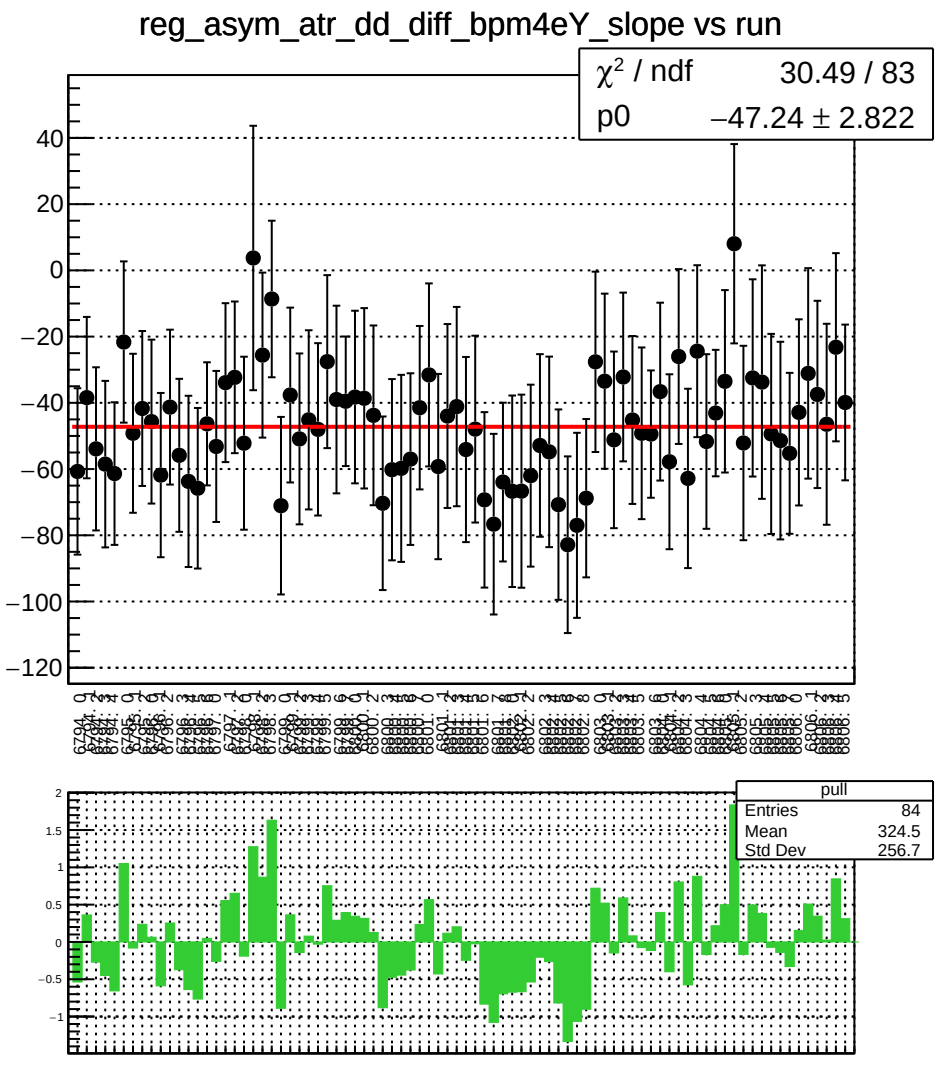

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 53.92 / 83
p0 211.2 ± 4.158
300
250
200
150
100
pull
Entries 84
Mean −241.6
Std Dev 312.9
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 84
Mean −0.0117
Std Dev 0.8011
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

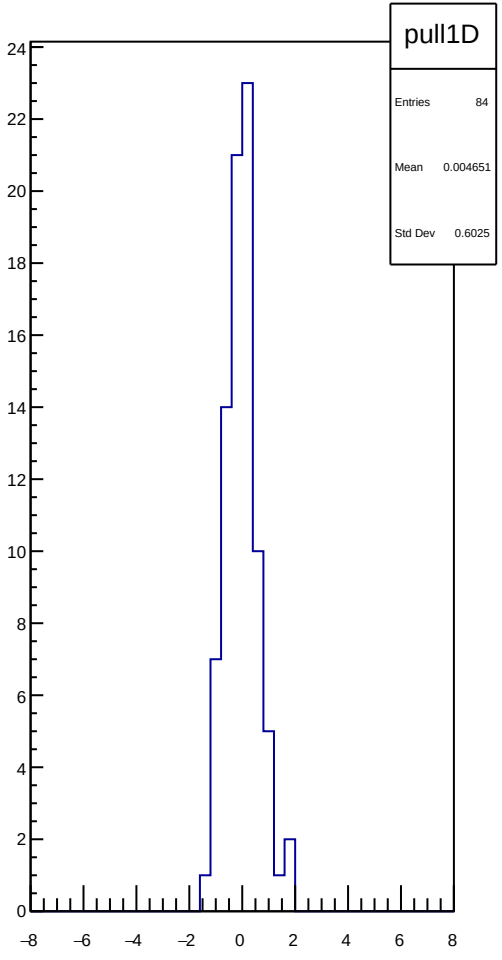

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 31.19 / 83
p0 −11.37 ± 2.017
pull
Entries 84
Mean 173.2
Std Dev 107.8

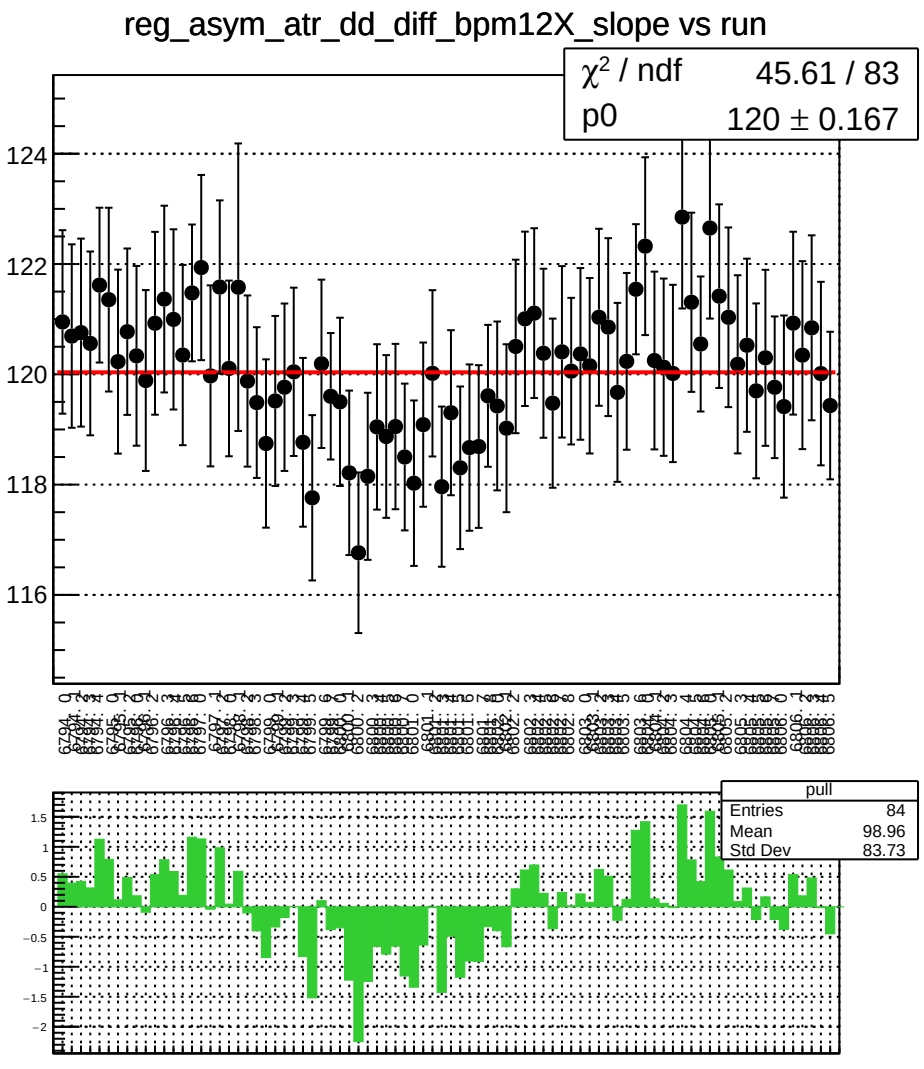

pull1D
Entries 84
Mean −0.01103
Std Dev 0.6093

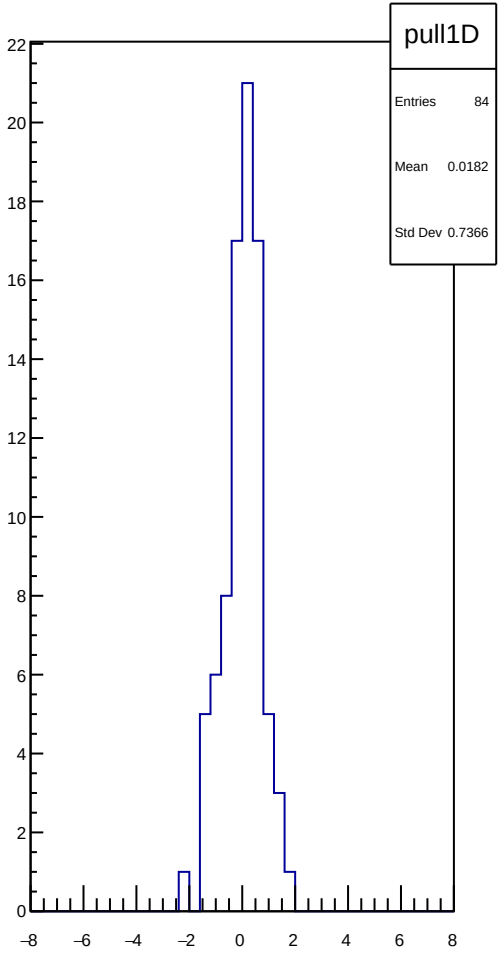

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 52.55 / 83
p0 −278.1± 3.897
pull
Entries 84
Mean −225.8
Std Dev 297.5

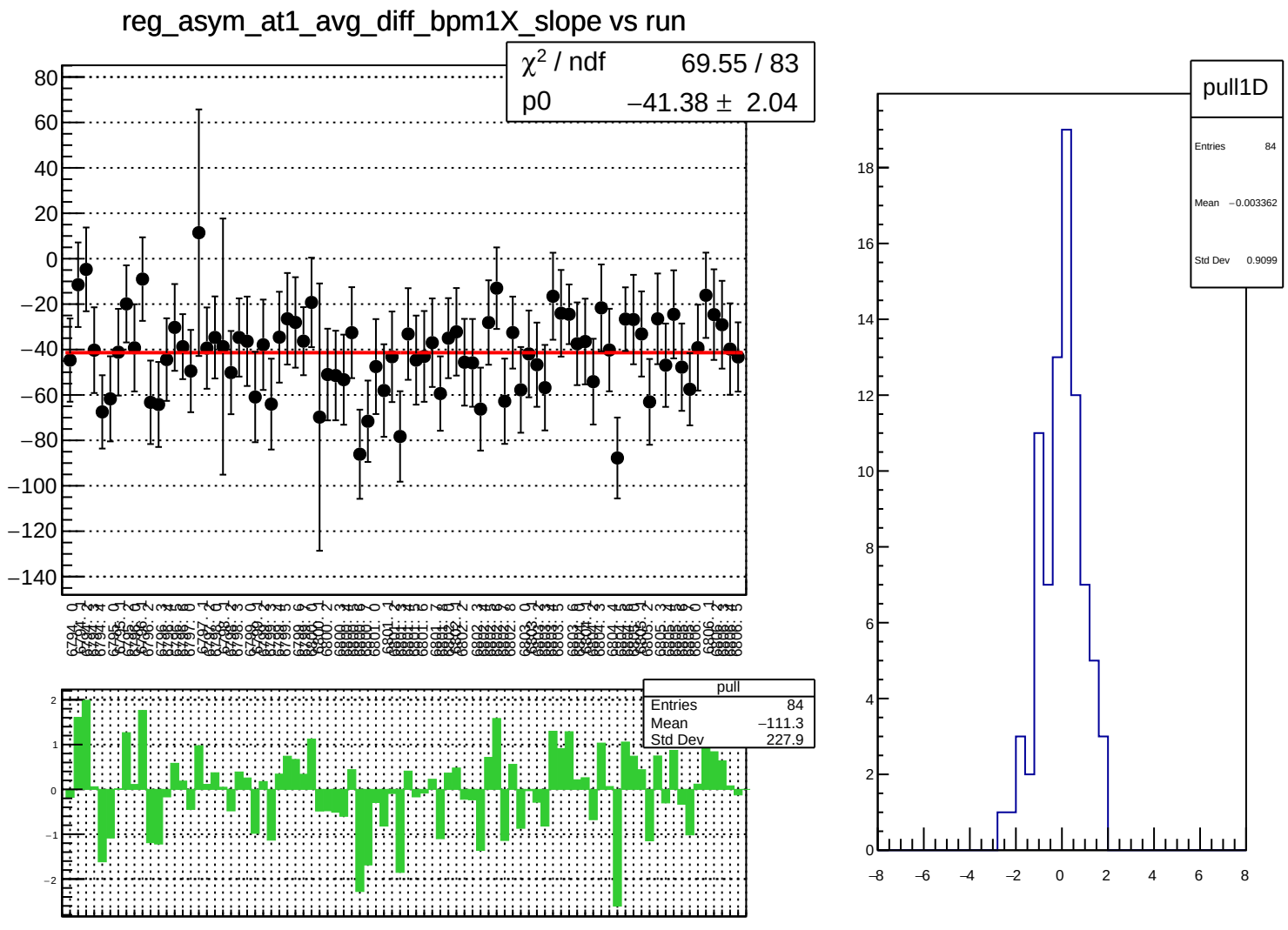

pull1D
Entries 84
Mean 0.01203
Std Dev 0.7908

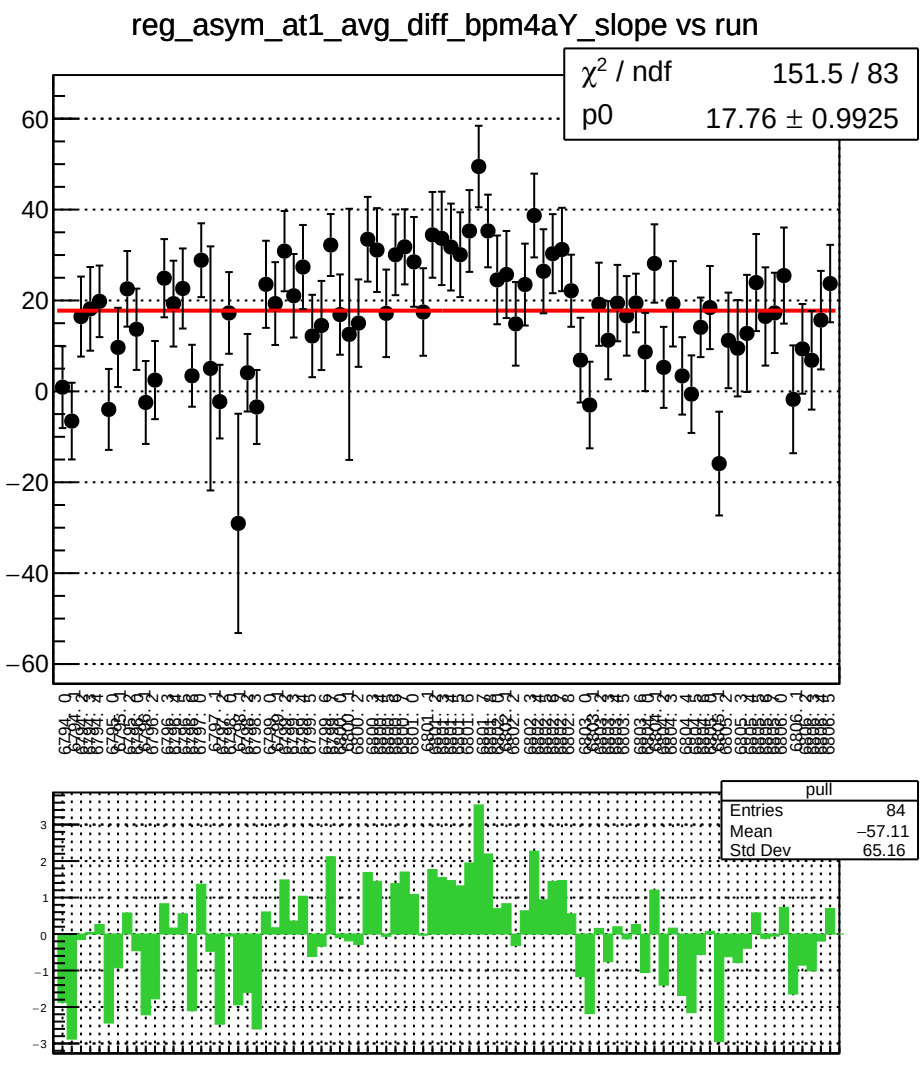

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 30.49 / 83
p0 −47.24 ± 2.822
pull
Entries 84
Mean 324.5
Std Dev 256.7

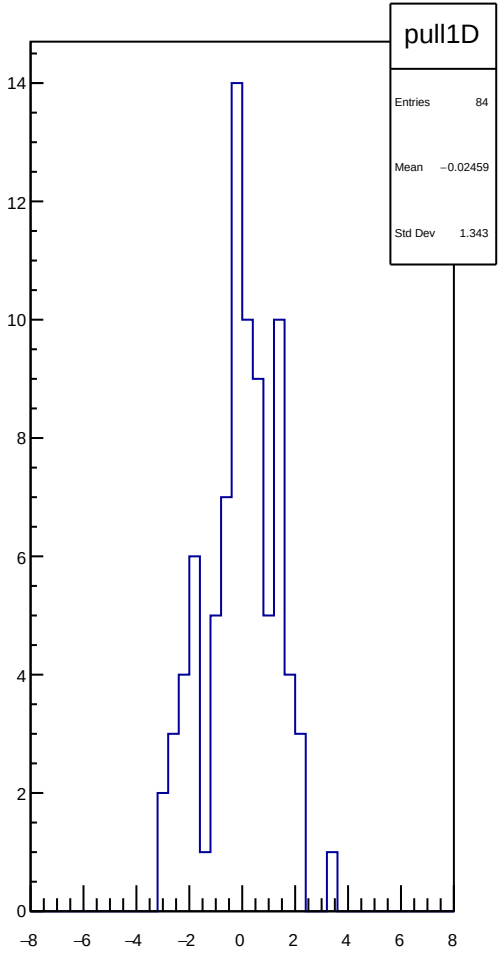

pull1D
Entries 84
Mean 0.004651
Std Dev 0.6025

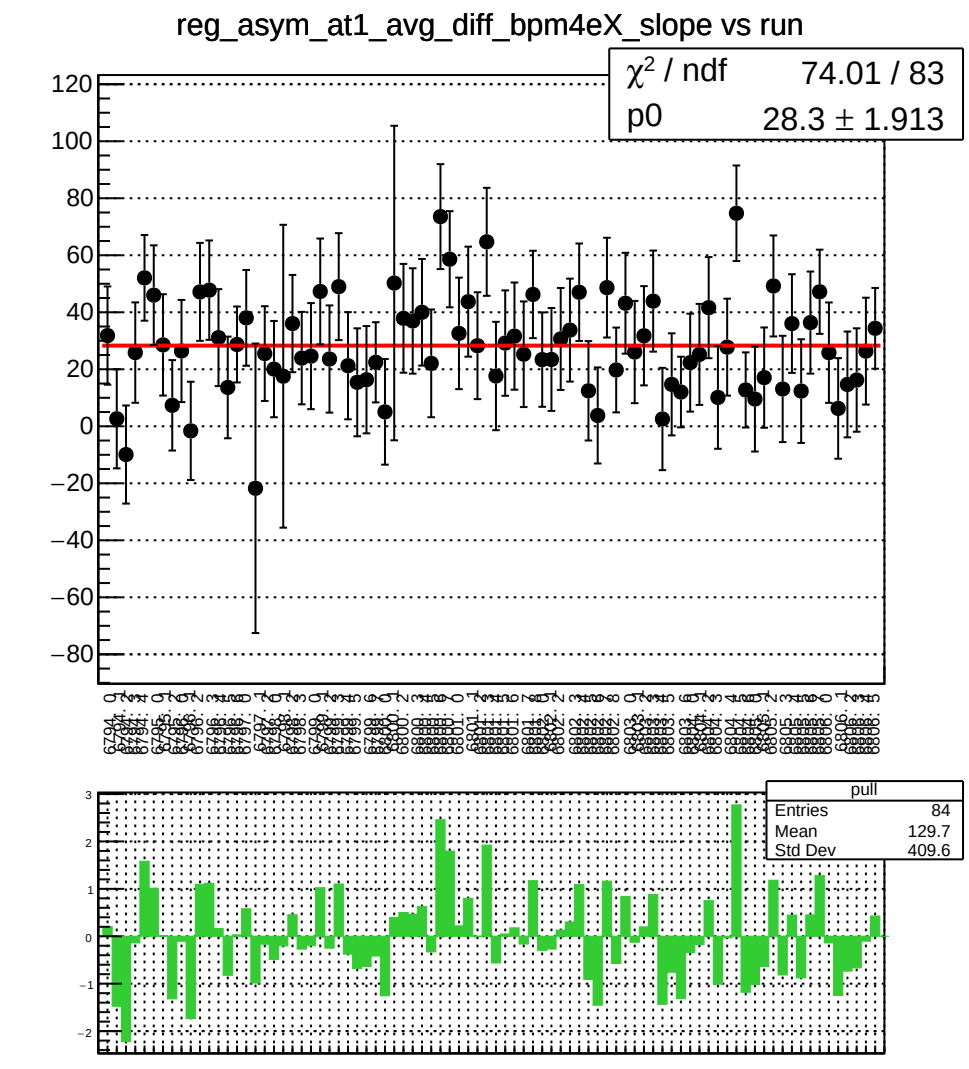

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 45.61 / 83
p0 120 ± 0.167
124
122
120
118
116
pull
Entries 84
Mean 98.96
Std Dev 83.73
1.5
1
0.5
0
−0.5
−1
−1.5
−2

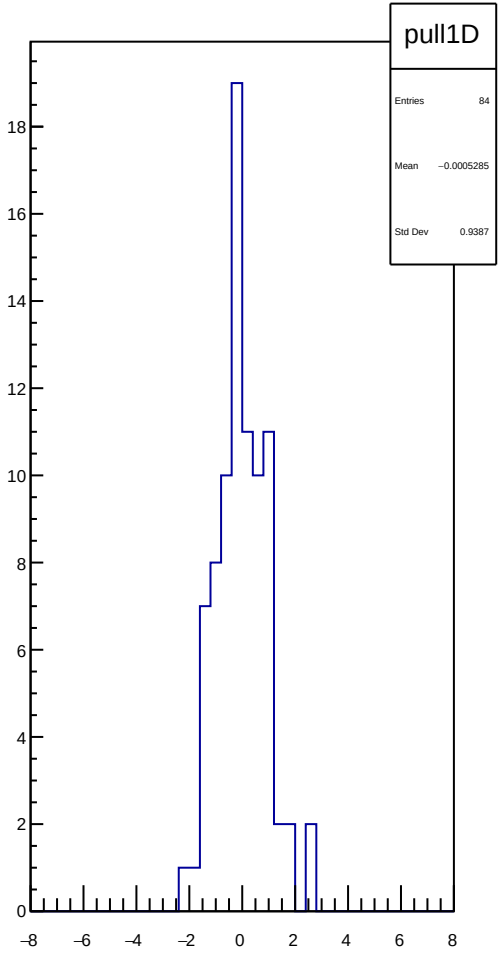

pull1D
Entries 84
Mean 0.0182
Std Dev 0.7366
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

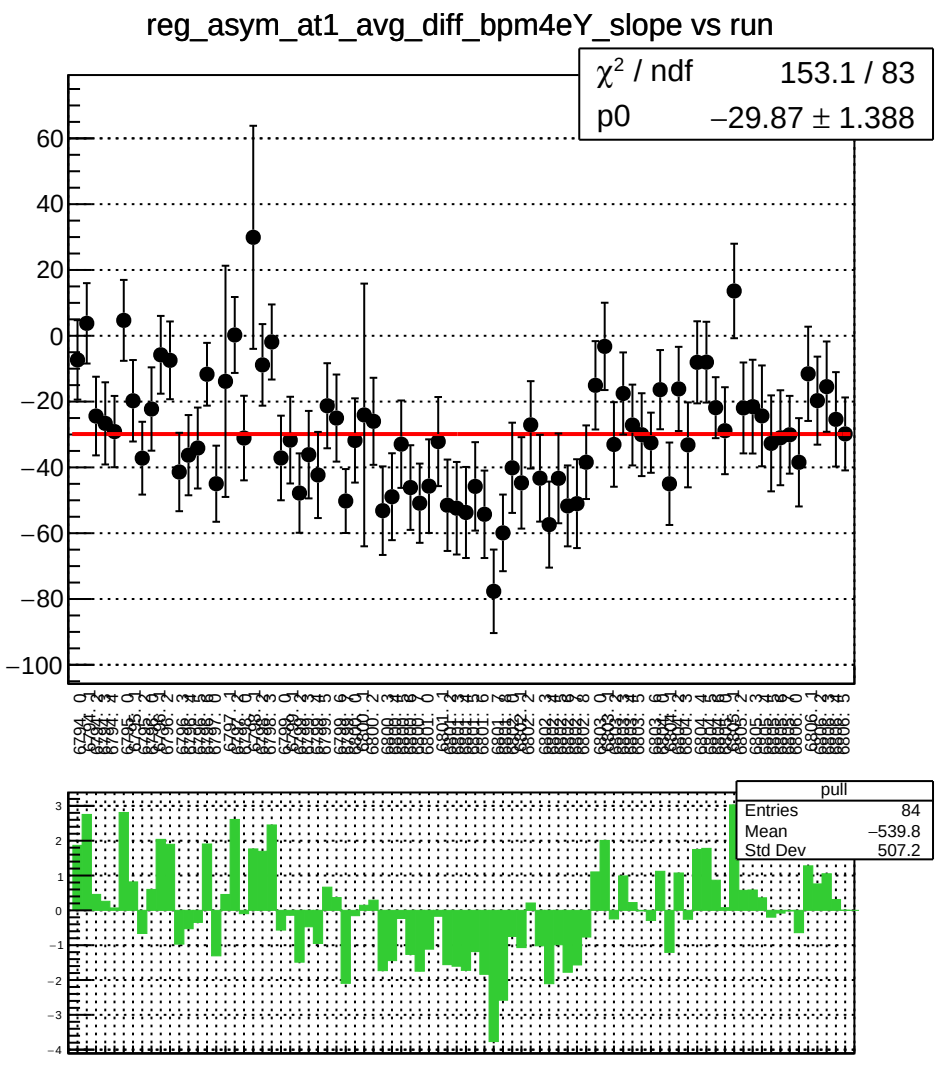

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 69.55 / 83
p0 −41.38 ± 2.04
pull
Entries 84
Mean −111.3
Std Dev 227.9
pull1D
Entries 84
Mean −0.003362
Std Dev 0.9099

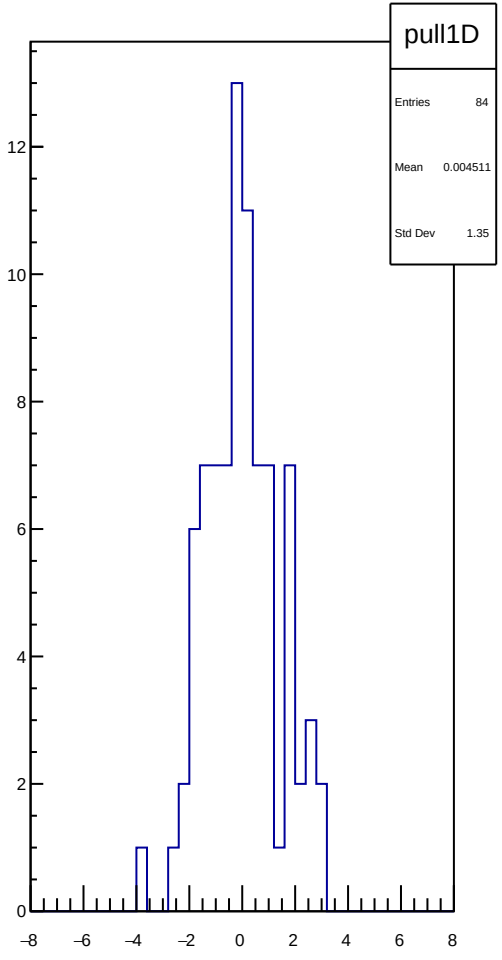

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 151.5 / 83
p0 17.76 ± 0.9925
pull
Entries 84
Mean −57.11
Std Dev 65.16

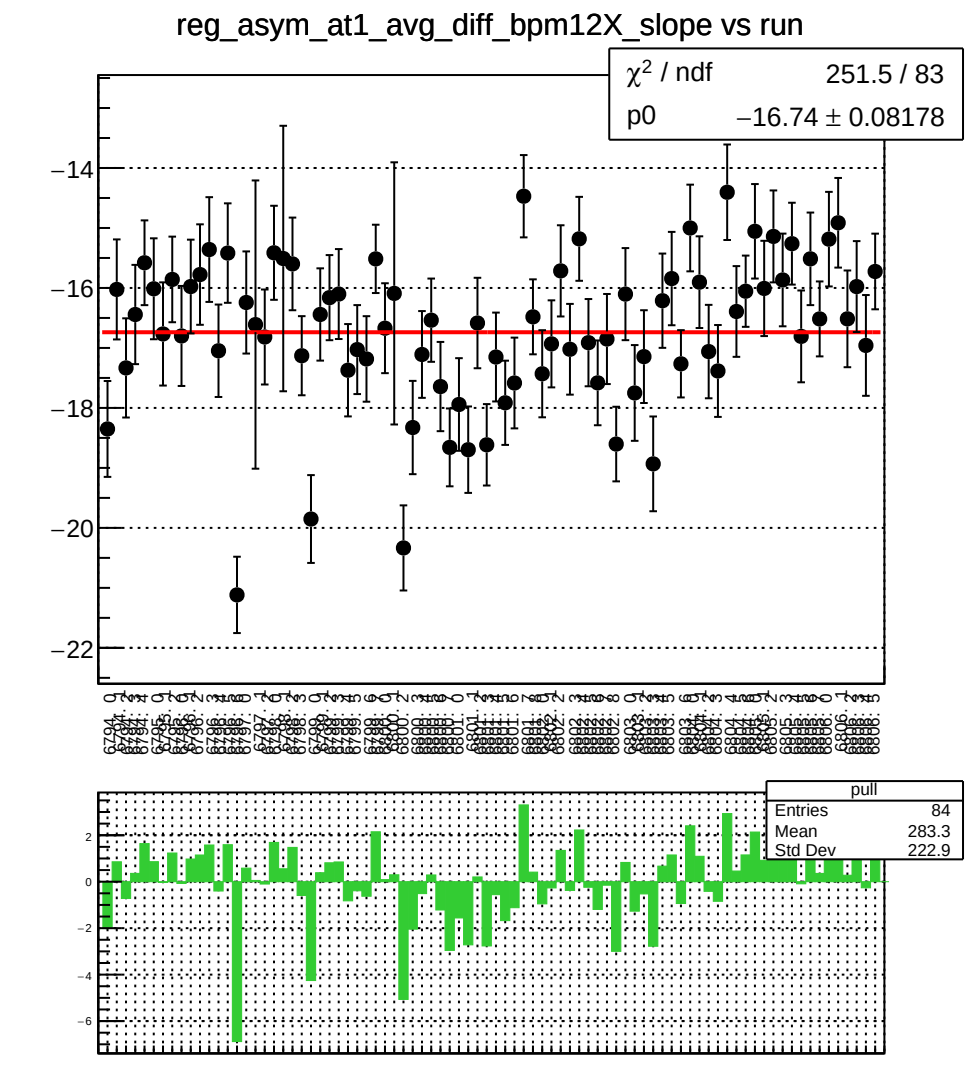

pull1D
Entries 84
Mean −0.02459
Std Dev 1.343

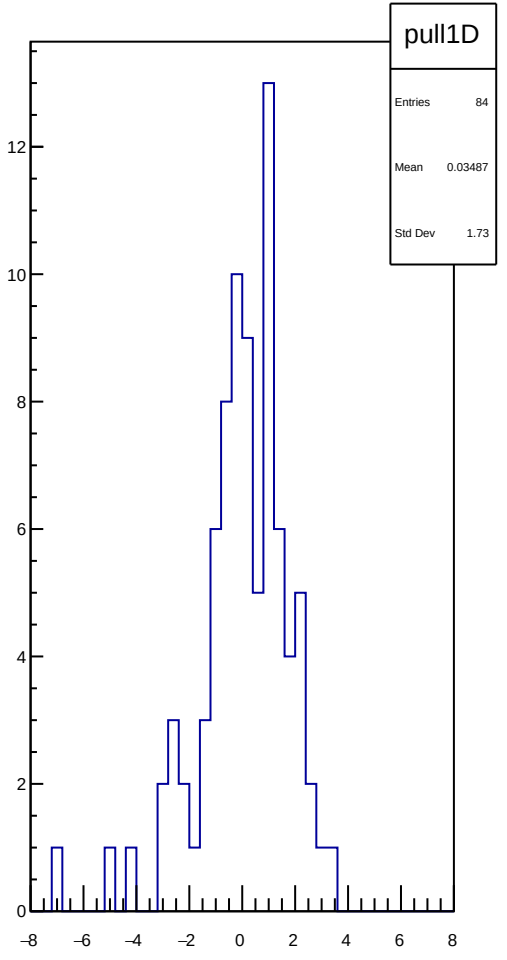

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 74.01 / 83
p0 28.3 ± 1.913
pull
Entries 84
Mean 129.7
Std Dev 409.6

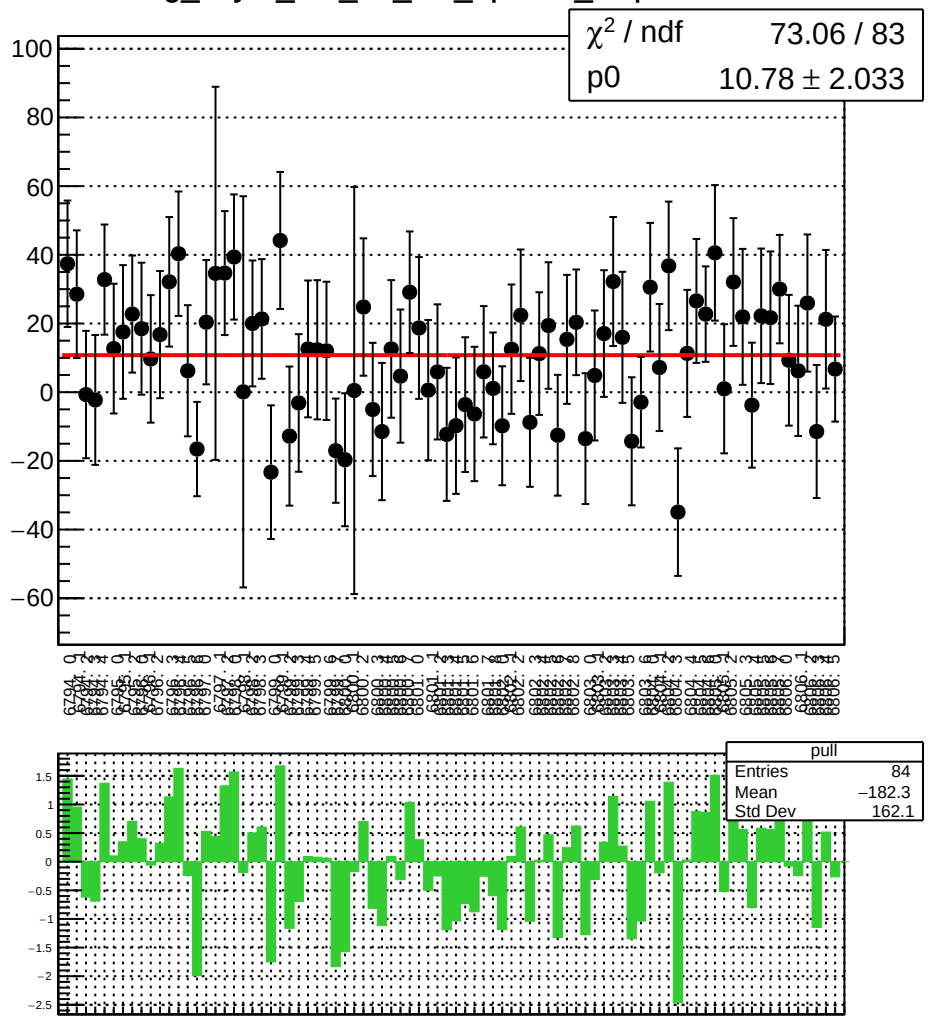

pull1D
Entries 84
Mean −0.0005285
Std Dev 0.9387

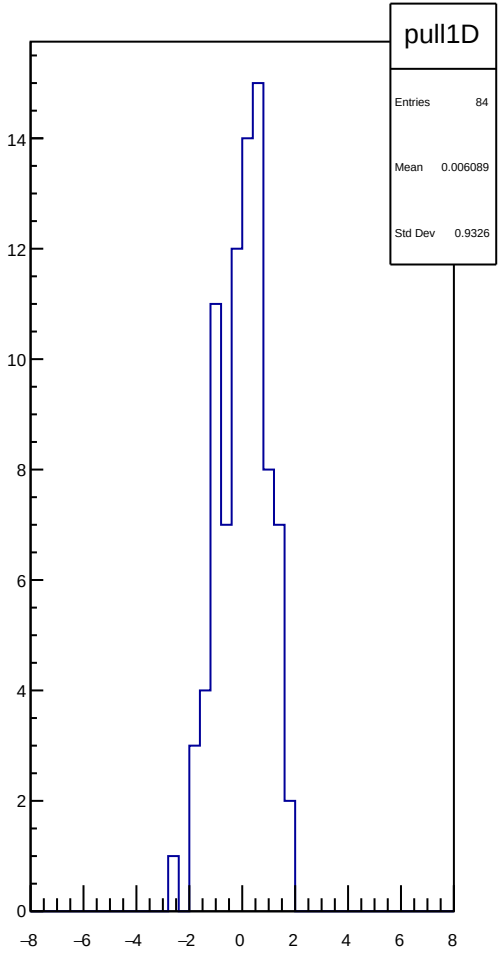

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 153.1 / 83
p0 −29.87 ± 1.388
pull
Entries 84
Mean −539.8
Std Dev 507.2

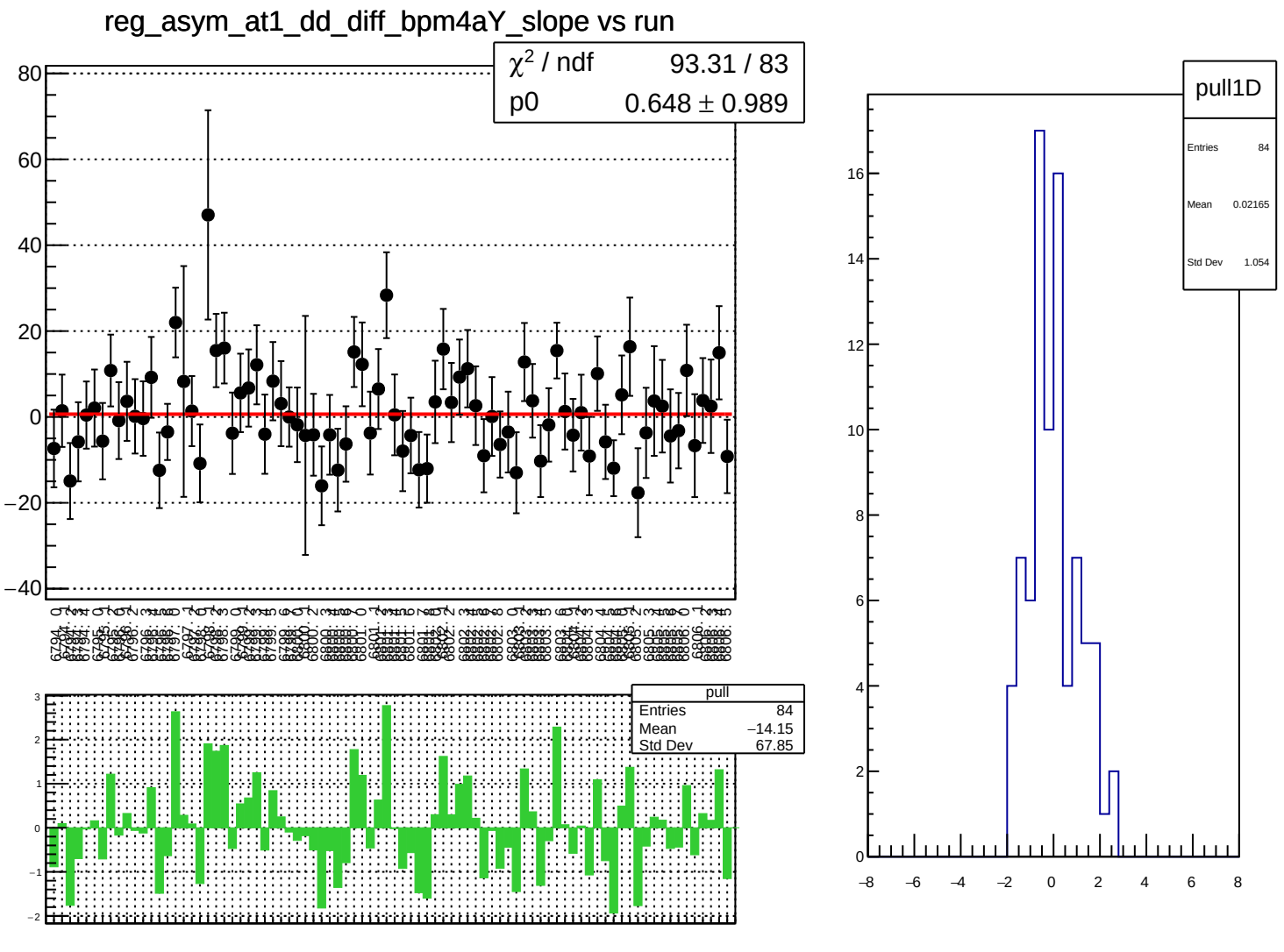

pull1D
Entries 84
Mean 0.004511
Std Dev 1.35

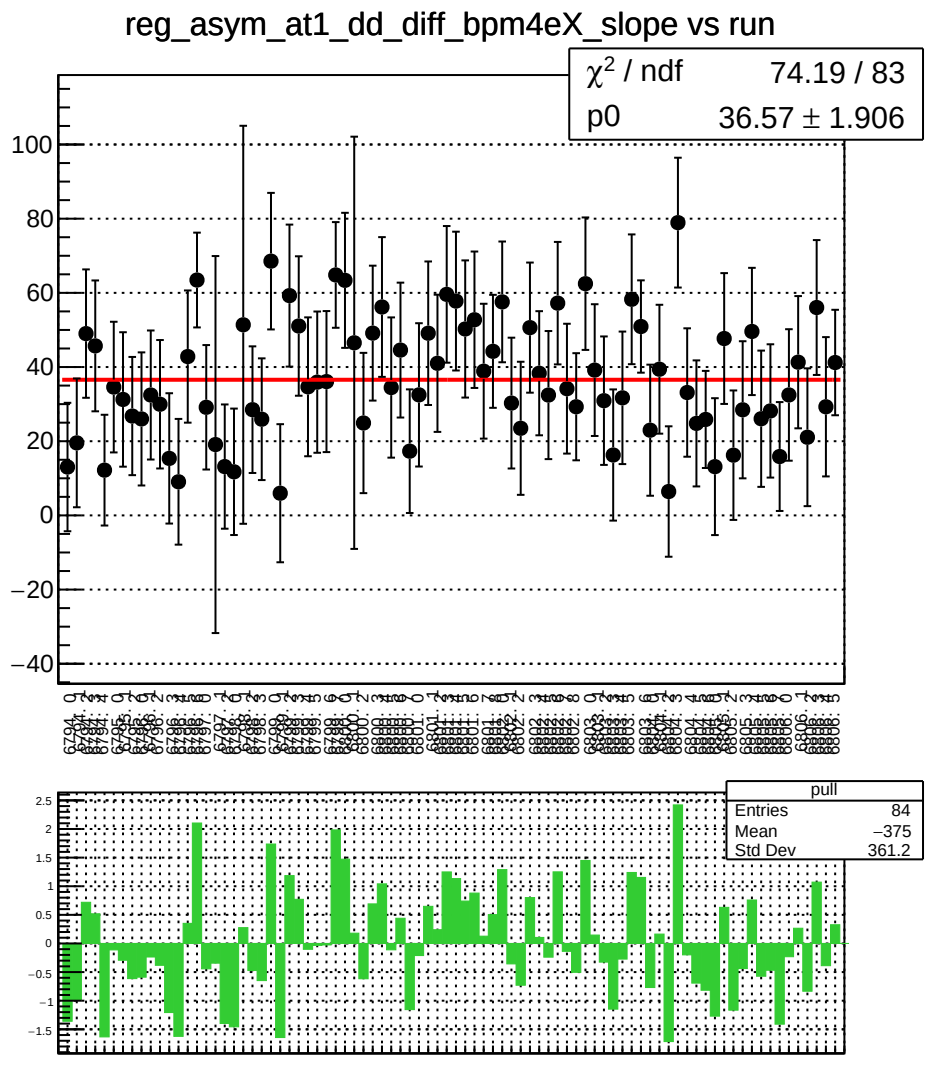

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 251.5 / 83
p0 −16.74 ± 0.08178
−14
−16
−18
−20
−22
pull
Entries 84
Mean 283.3
Std Dev 222.9
2
0
−2
−4
−6

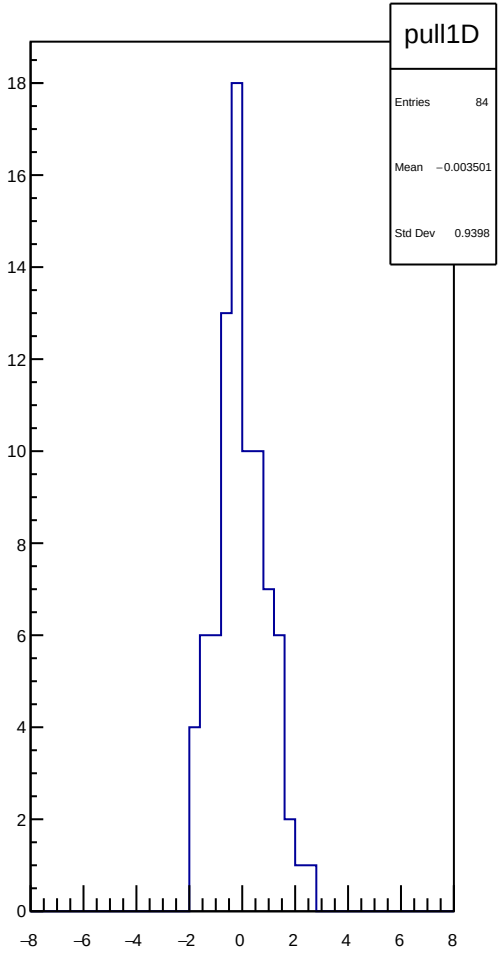

pull1D
Entries 84
Mean 0.03487
Std Dev 1.73
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

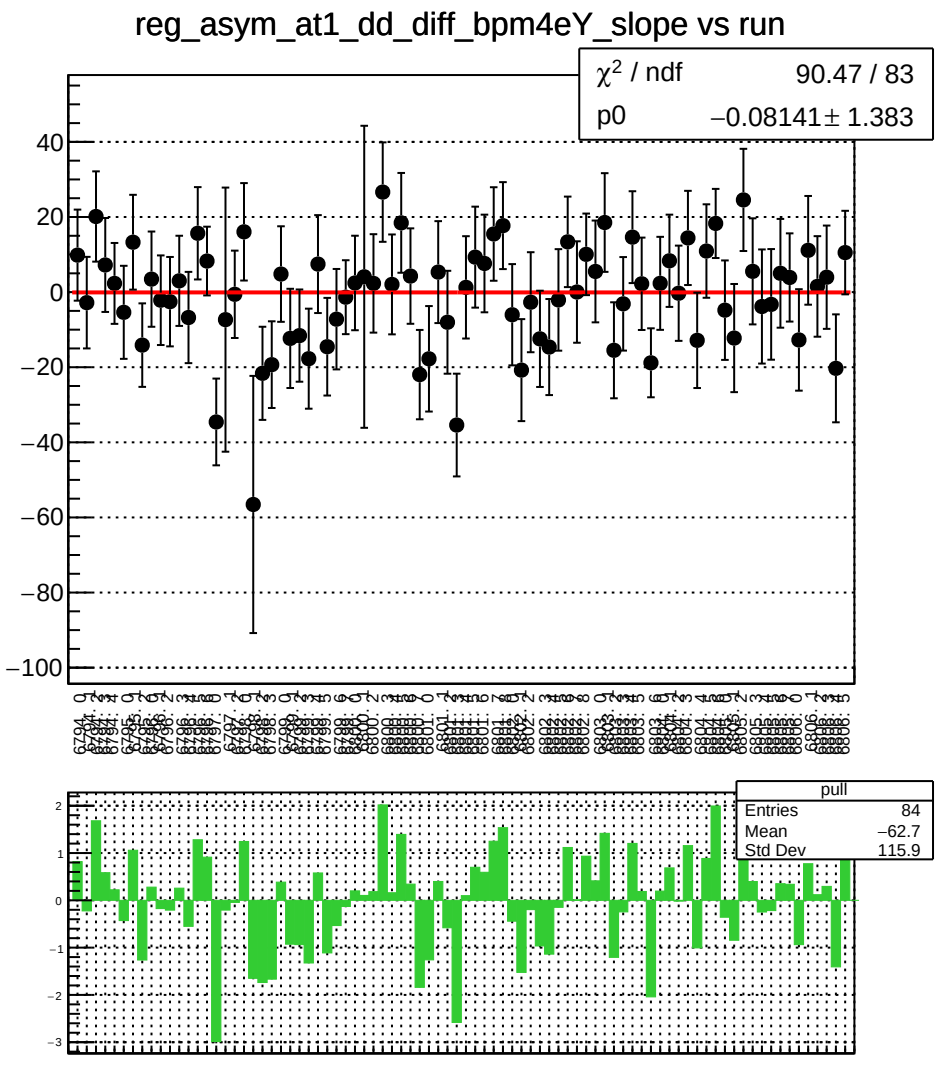

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 73.06 / 83
p0 10.78 ± 2.033
pull
Entries 84
Mean −182.3
Std Dev 162.1

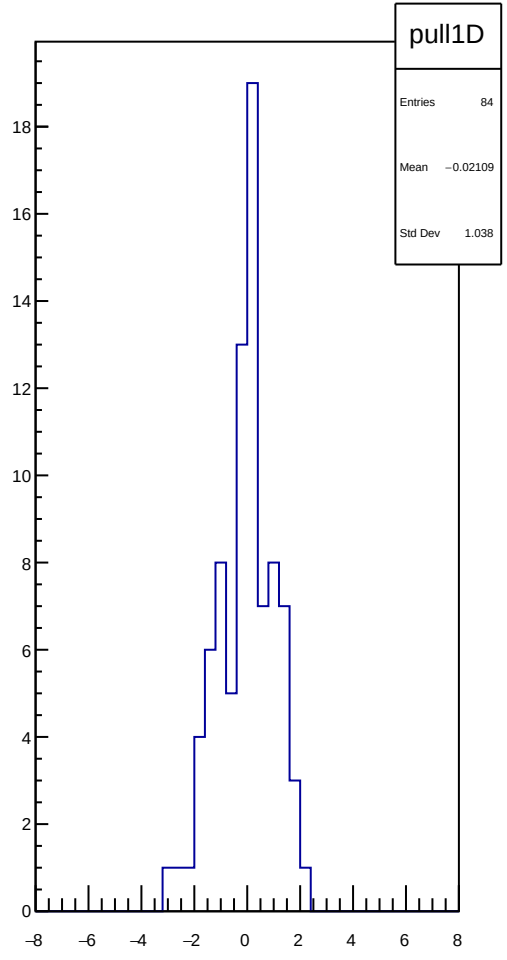

pull1D
Entries 84
Mean 0.006089
Std Dev 0.9326

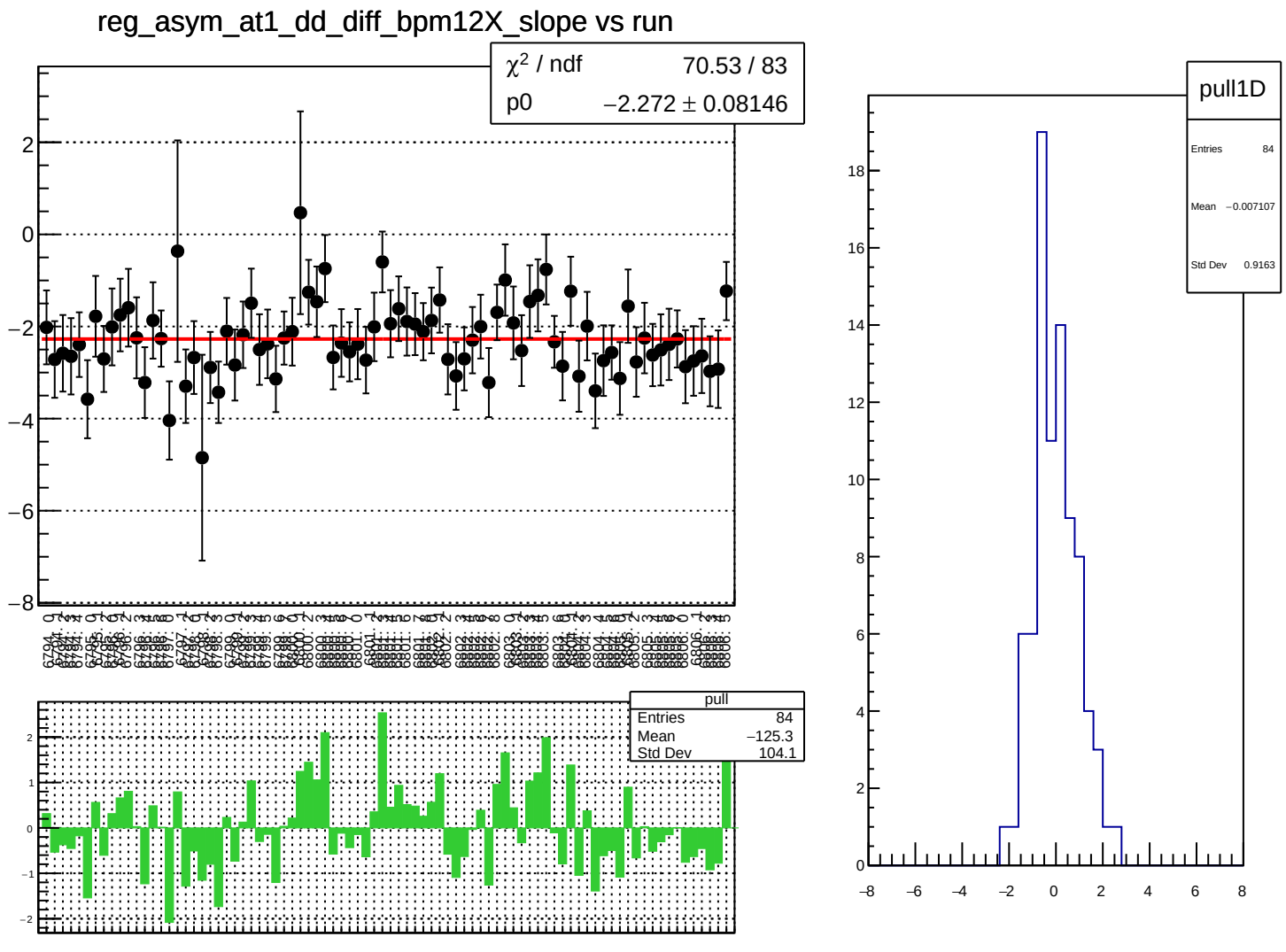

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 93.31 / 83
p0 0.648 ± 0.989
pull
Entries 84
Mean −14.15
Std Dev 67.85
pull1D
Entries 84
Mean 0.02165
Std Dev 1.054

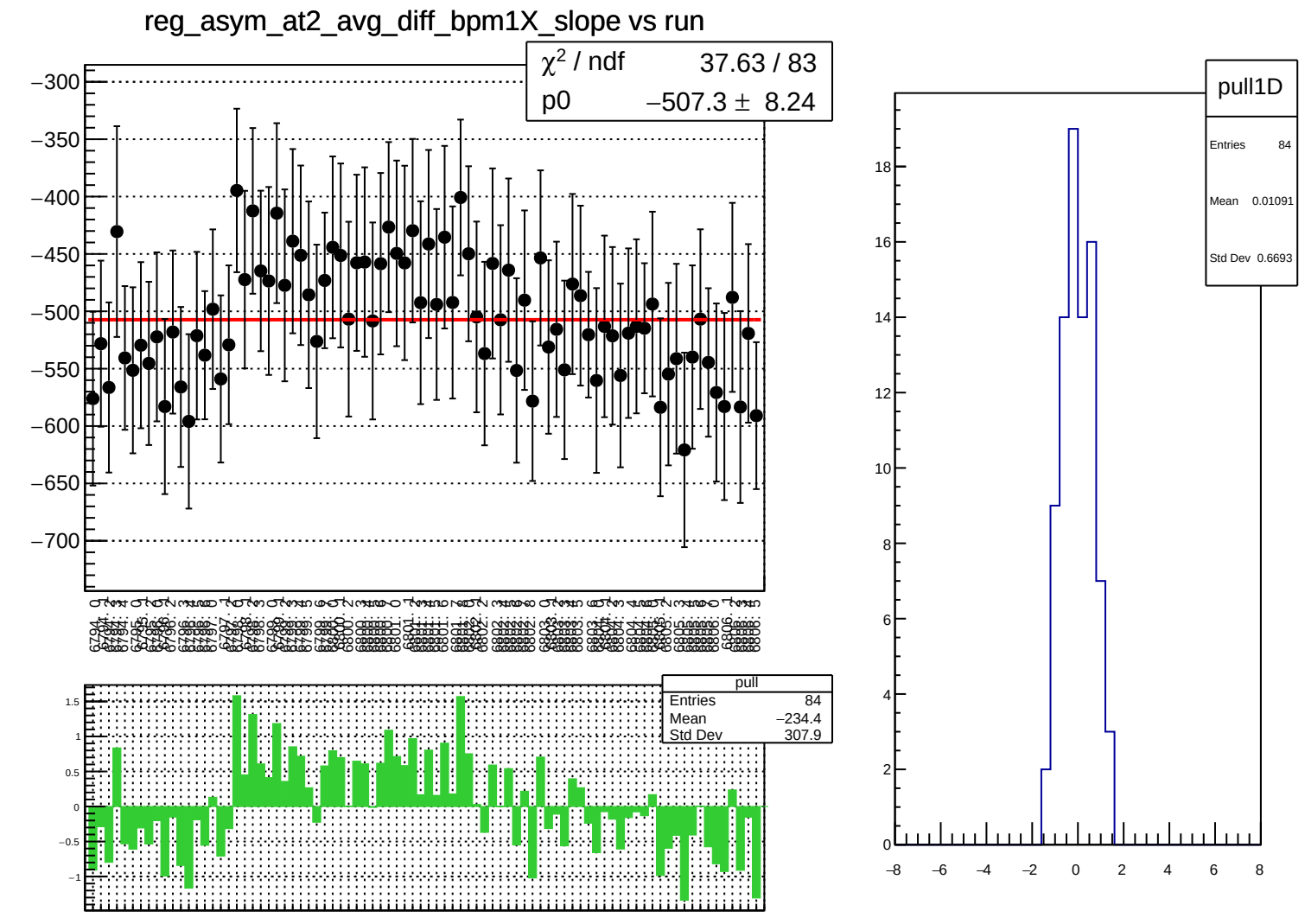

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 74.19 / 83
p0 36.57 ± 1.906
pull
Entries 84
Mean −375
Std Dev 361.2

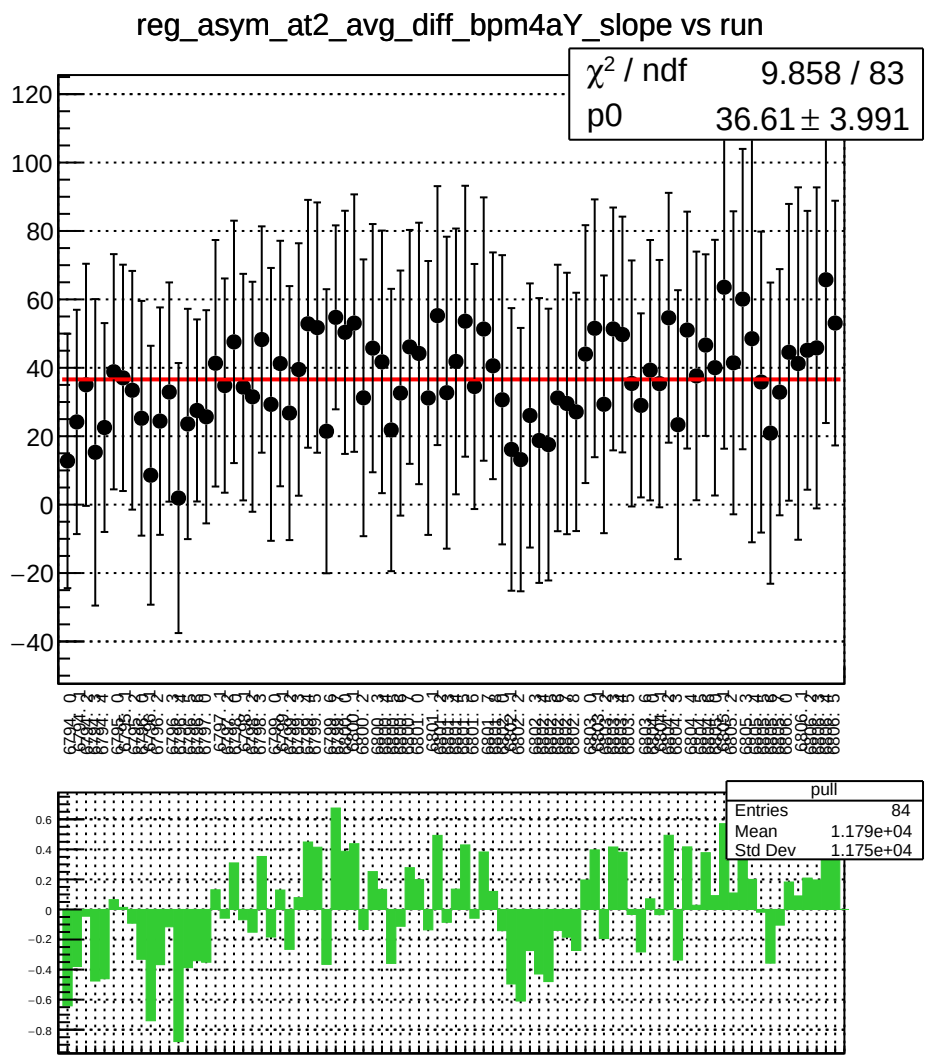

pull1D
Entries 84
Mean −0.003501
Std Dev 0.9398

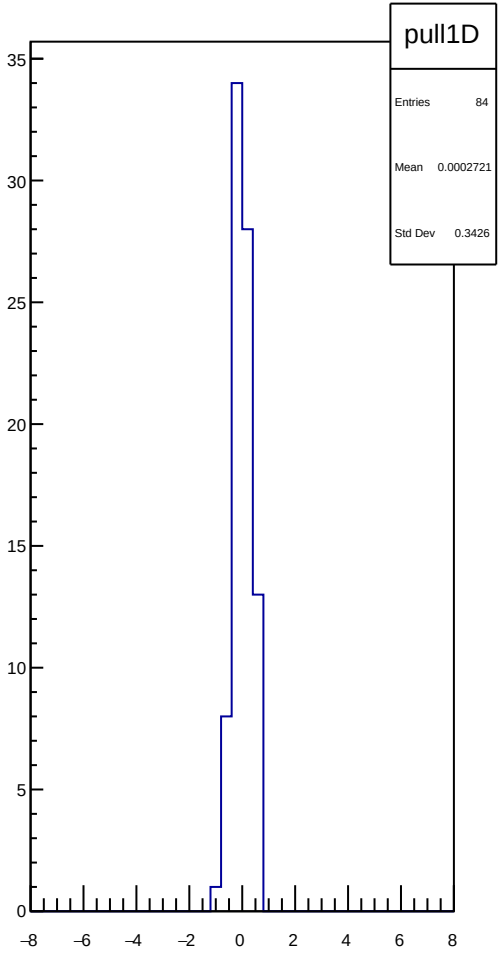

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 90.47 / 83
p0 −0.08141 ± 1.383
pull
Entries 84
Mean −62.7
Std Dev 115.9

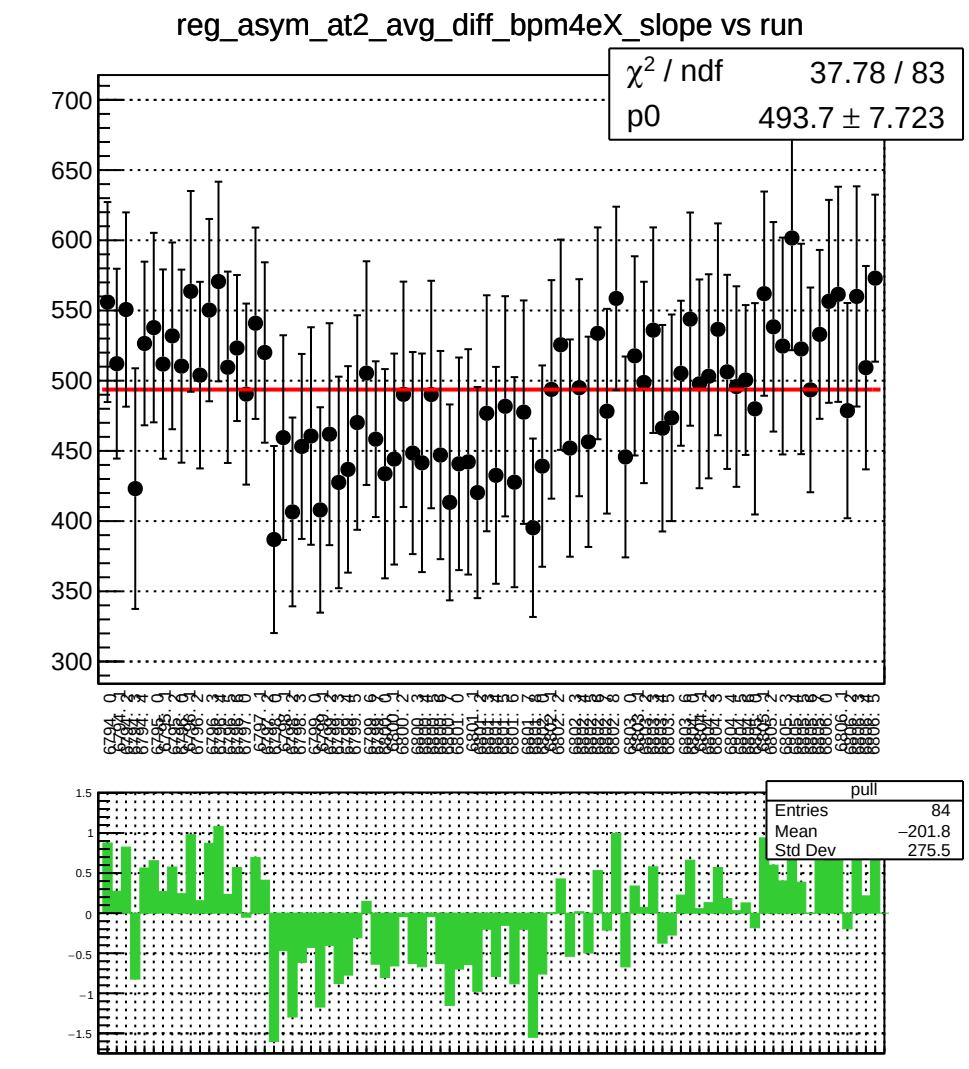

pull1D
Entries 84
Mean −0.02109
Std Dev 1.038

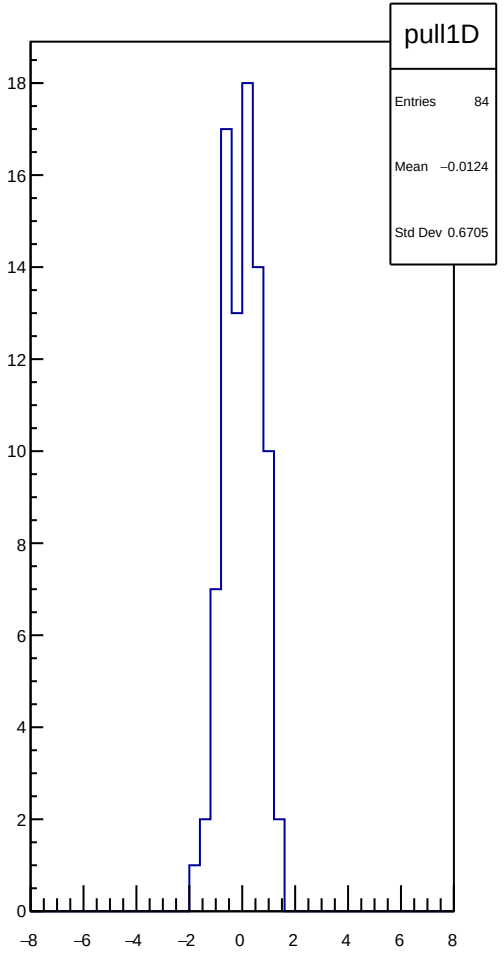

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 70.53 / 83
p0 −2.272 ± 0.08146
pull
Entries 84
Mean −125.3
Std Dev 104.1
pull1D
Entries 84
Mean −0.007107
Std Dev 0.9163

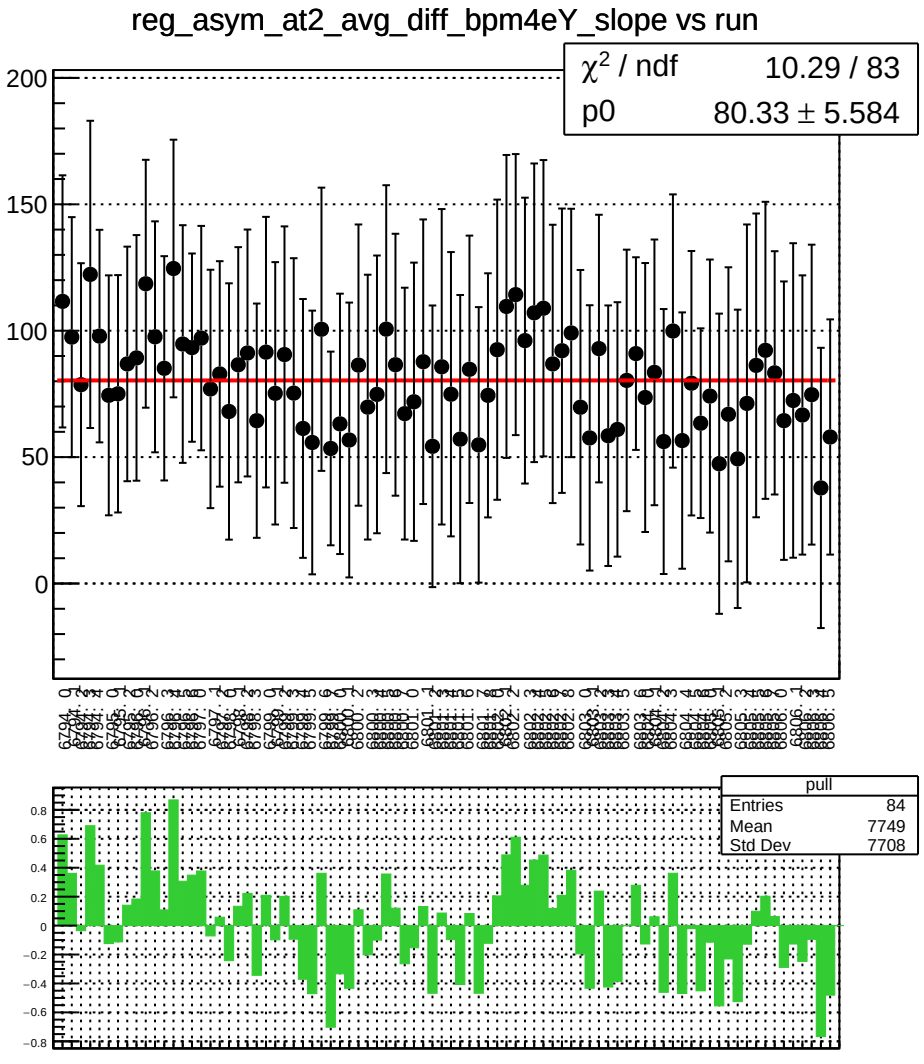

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 37.63 / 83
p0 −507.3 ± 8.24
pull
Entries 84
Mean −234.4
Std Dev 307.9
pull1D
Entries 84
Mean 0.01091
Std Dev 0.6693

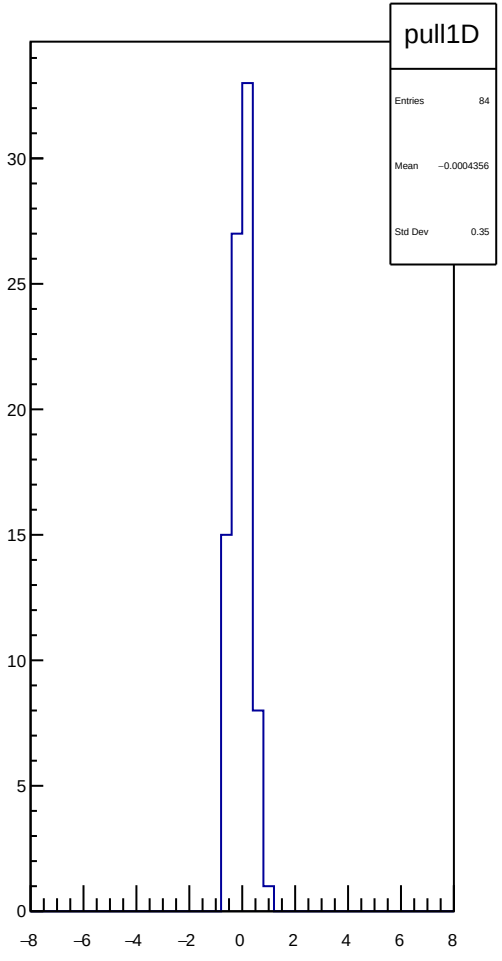

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.858 / 83
p0 36.61 ± 3.991
pull
Entries 84
Mean 1.179e+04
Std Dev 1.175e+04

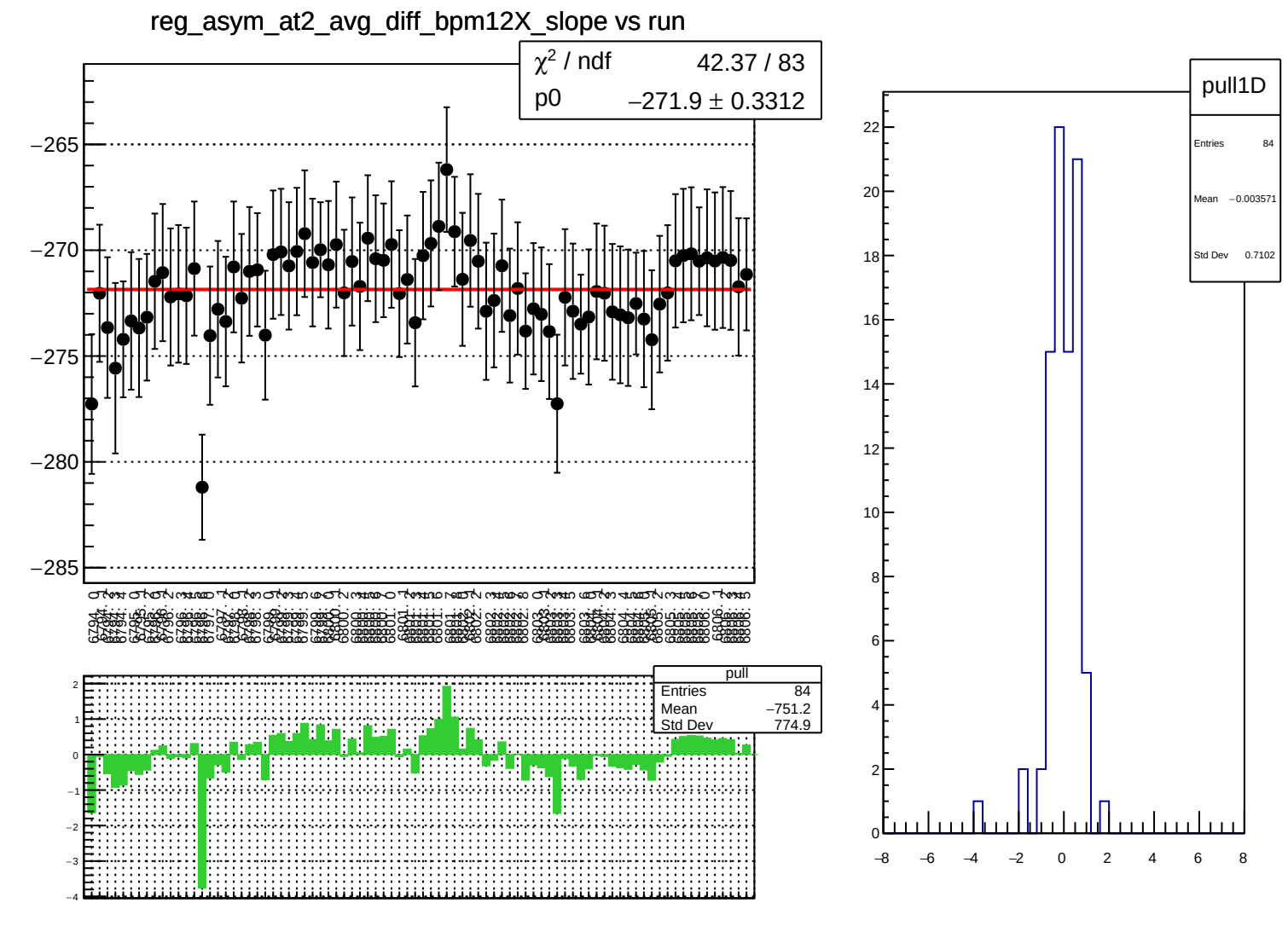

pull1D
Entries 84
Mean 0.0002721
Std Dev 0.3426

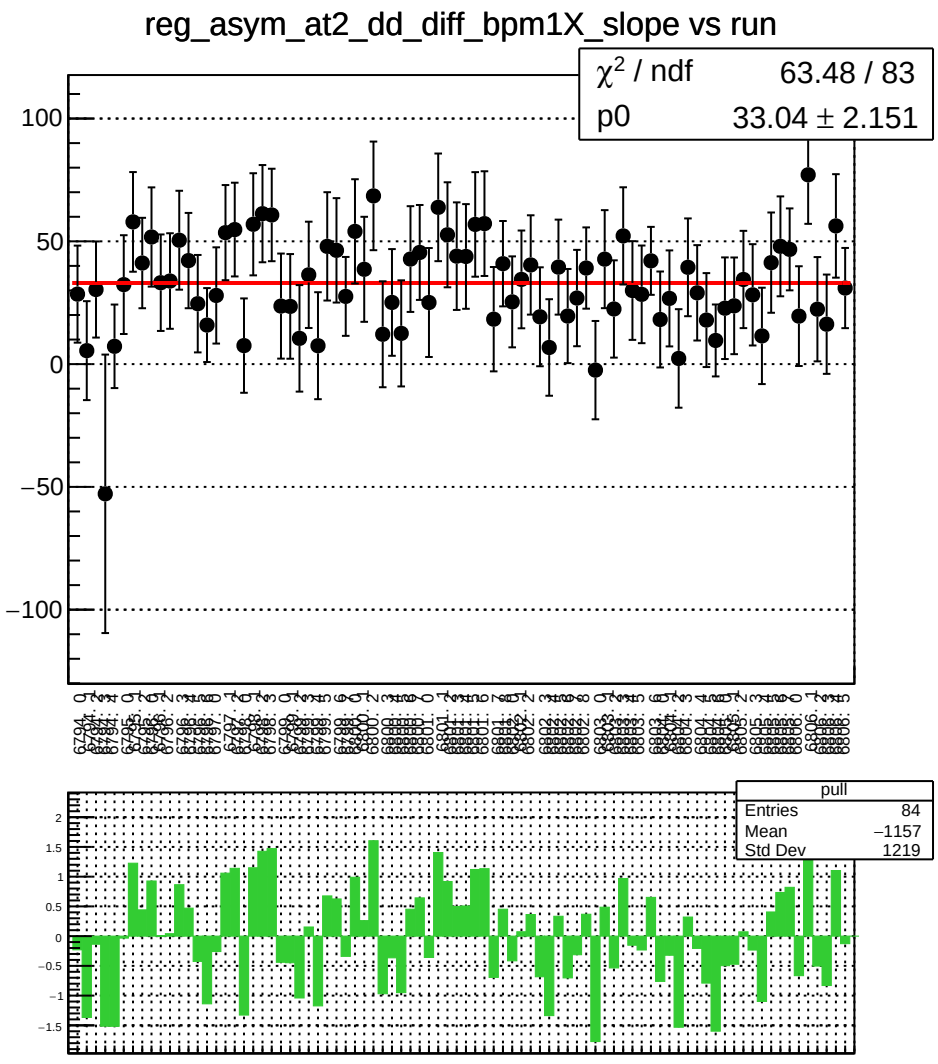

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 37.78 / 83
p0 493.7 ± 7.723
pull
Entries 84
Mean −201.8
Std Dev 275.5

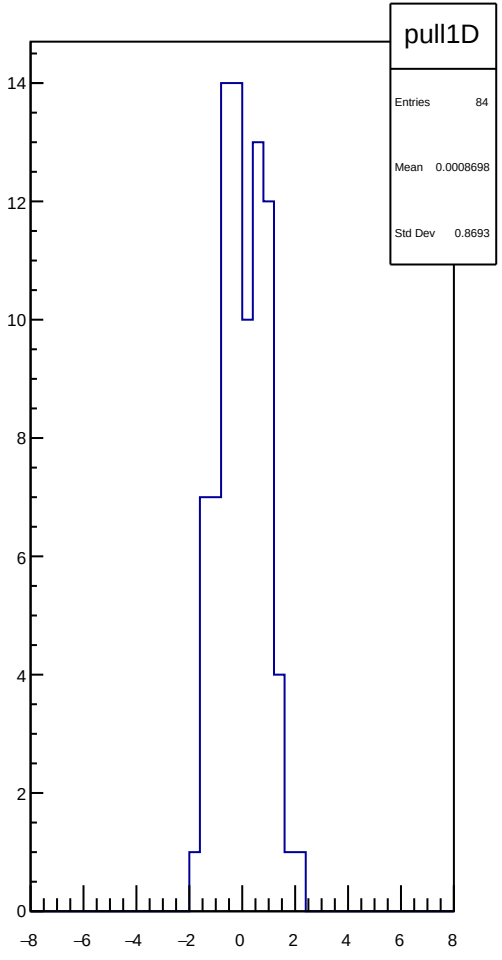

pull1D
Entries 84
Mean −0.0124
Std Dev 0.6705

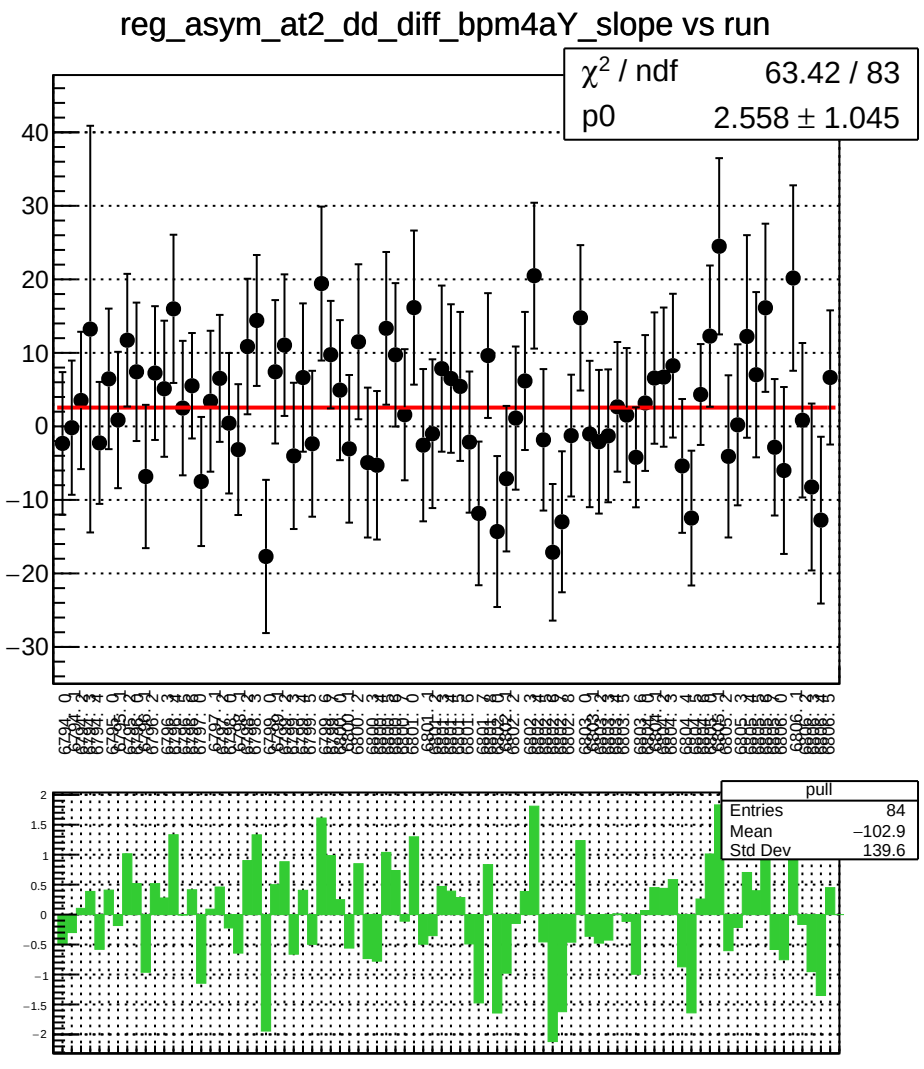

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.29 / 83
p0 80.33 ± 5.584
pull
Entries 84
Mean 7749
Std Dev 7708

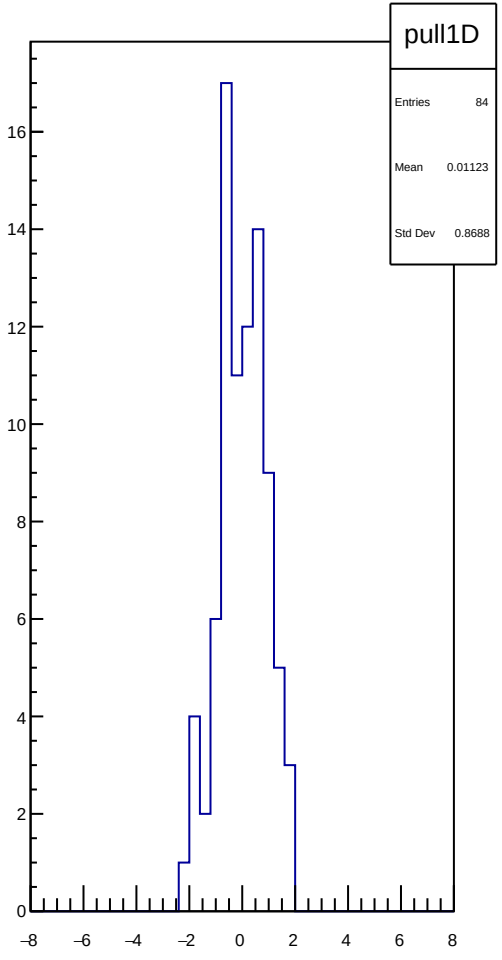

pull1D
Entries 84
Mean −0.0004356
Std Dev 0.35

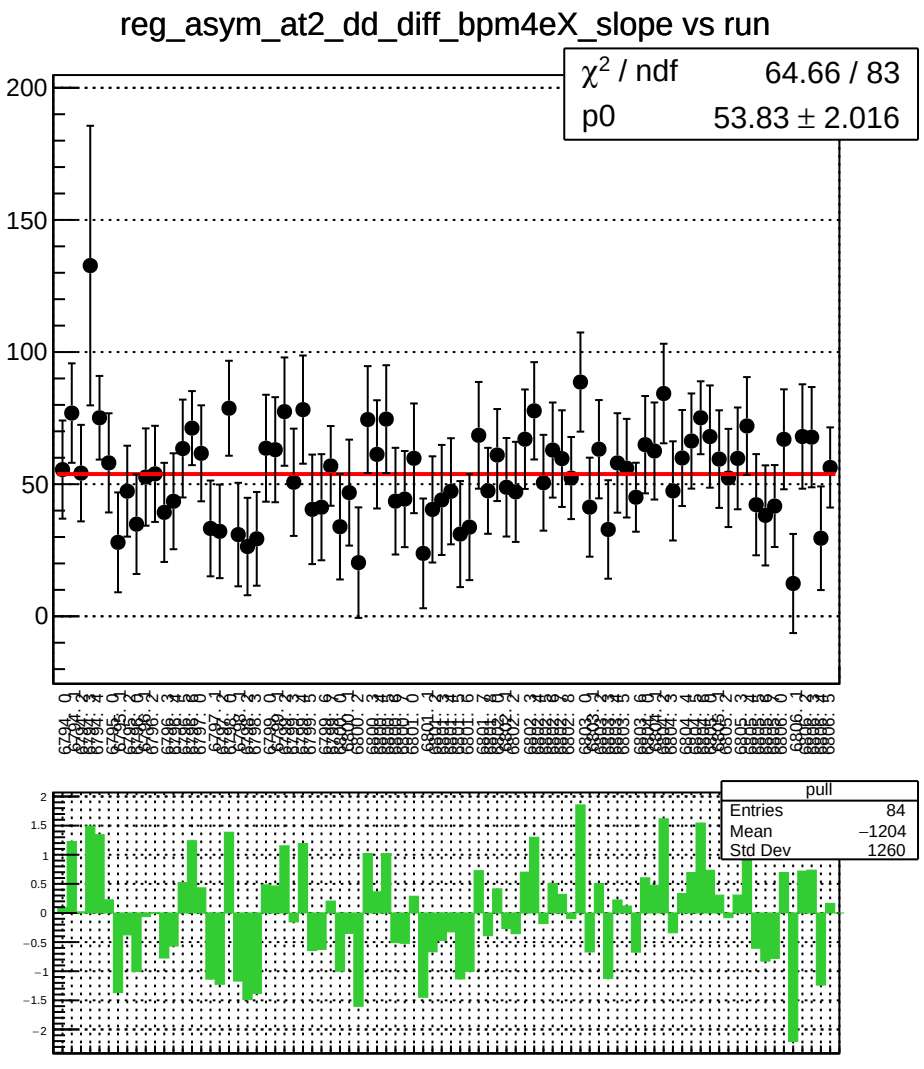

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 42.37 / 83
p0 −271.9 ± 0.3312
−265
−270
−275
−280
−285
pull
Entries 84
Mean −751.2
Std Dev 774.9
pull1D
Entries 84
Mean −0.003571
Std Dev 0.7102

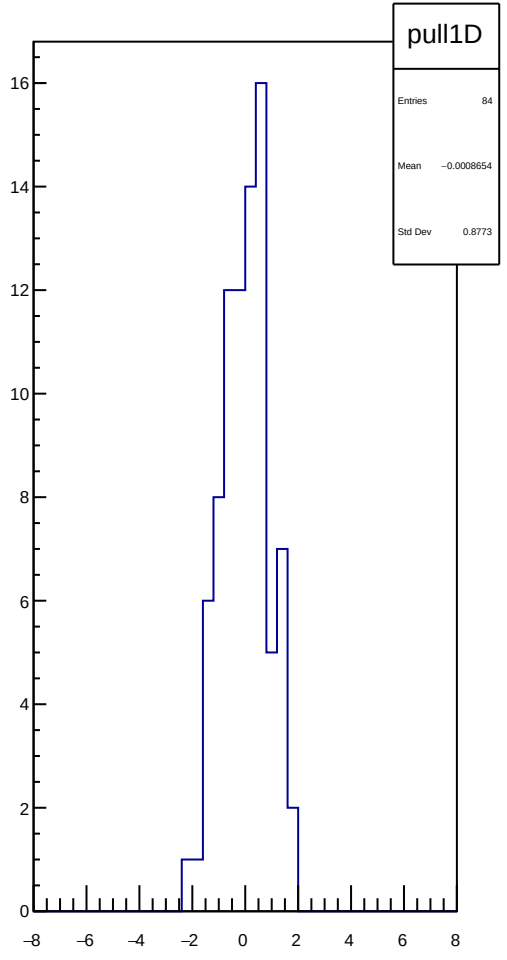

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 63.48 / 83
p0 33.04 ± 2.151
pull
Entries 84
Mean −1157
Std Dev 1219

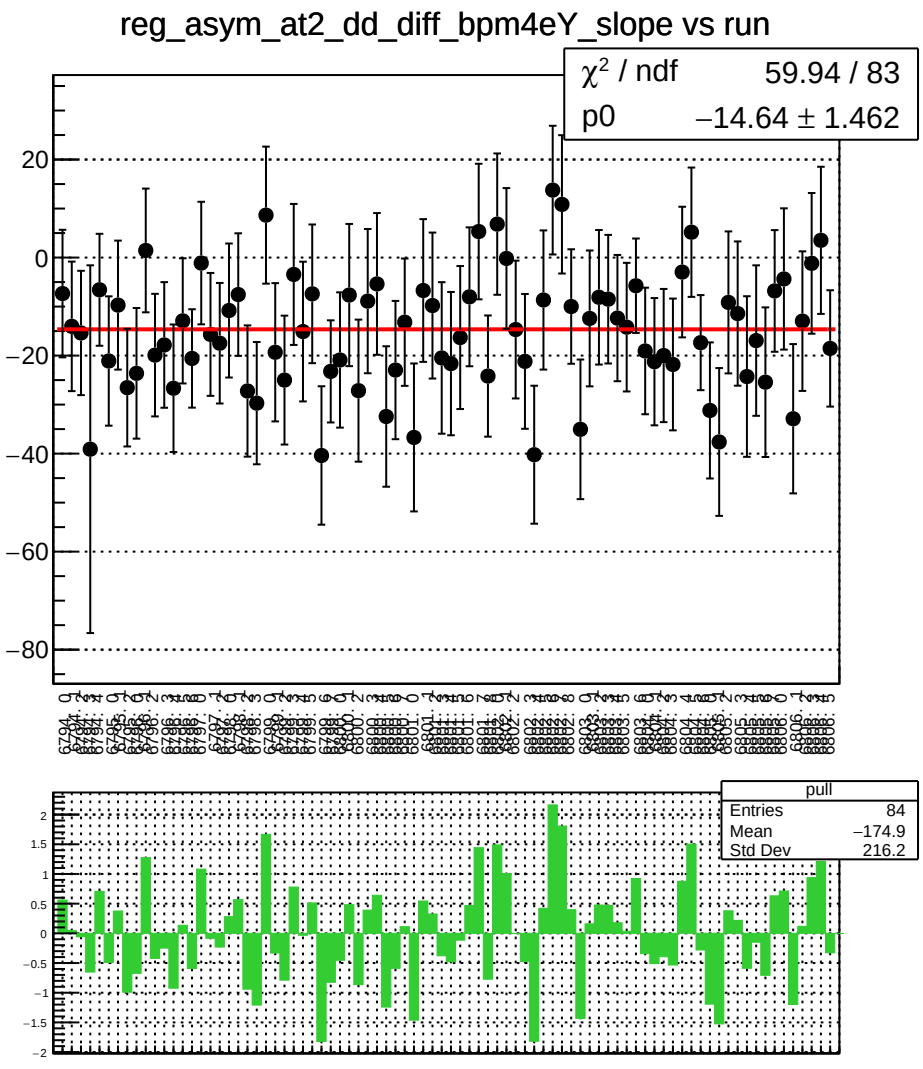

pull1D
Entries 84
Mean 0.0008698
Std Dev 0.8693

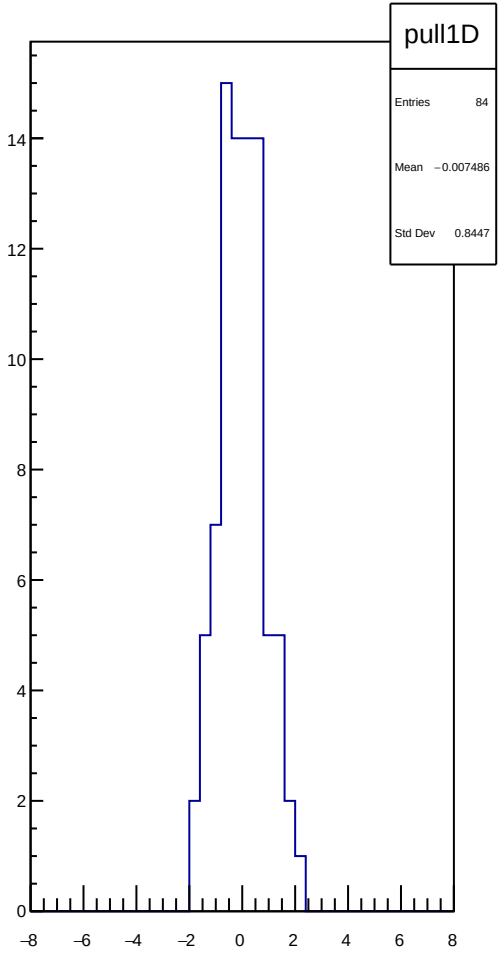

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 63.42 / 83
p0 2.558 ± 1.045
pull
Entries 84
Mean −102.9
Std Dev 139.6

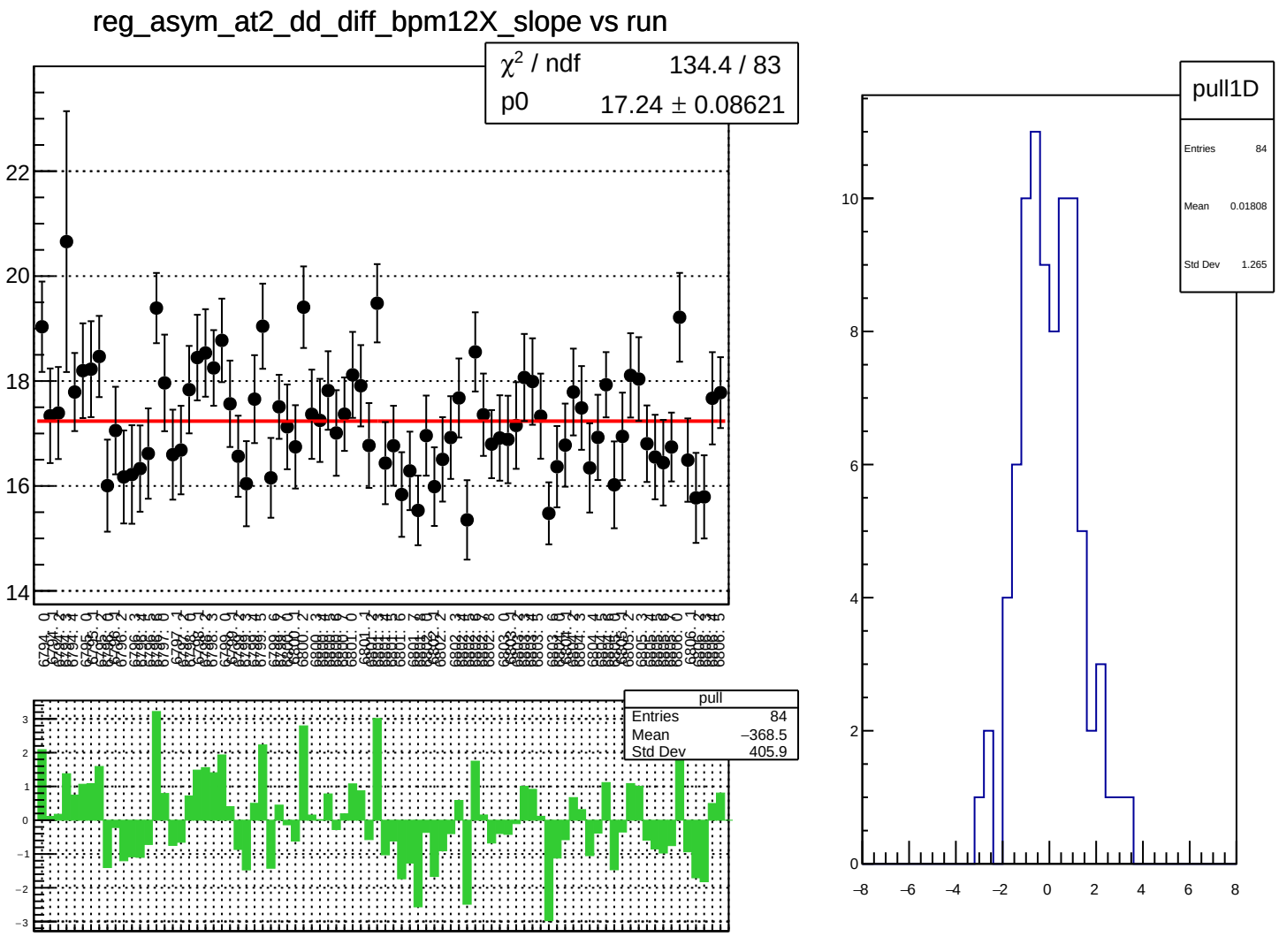

pull1D
Entries 84
Mean 0.01123
Std Dev 0.8688

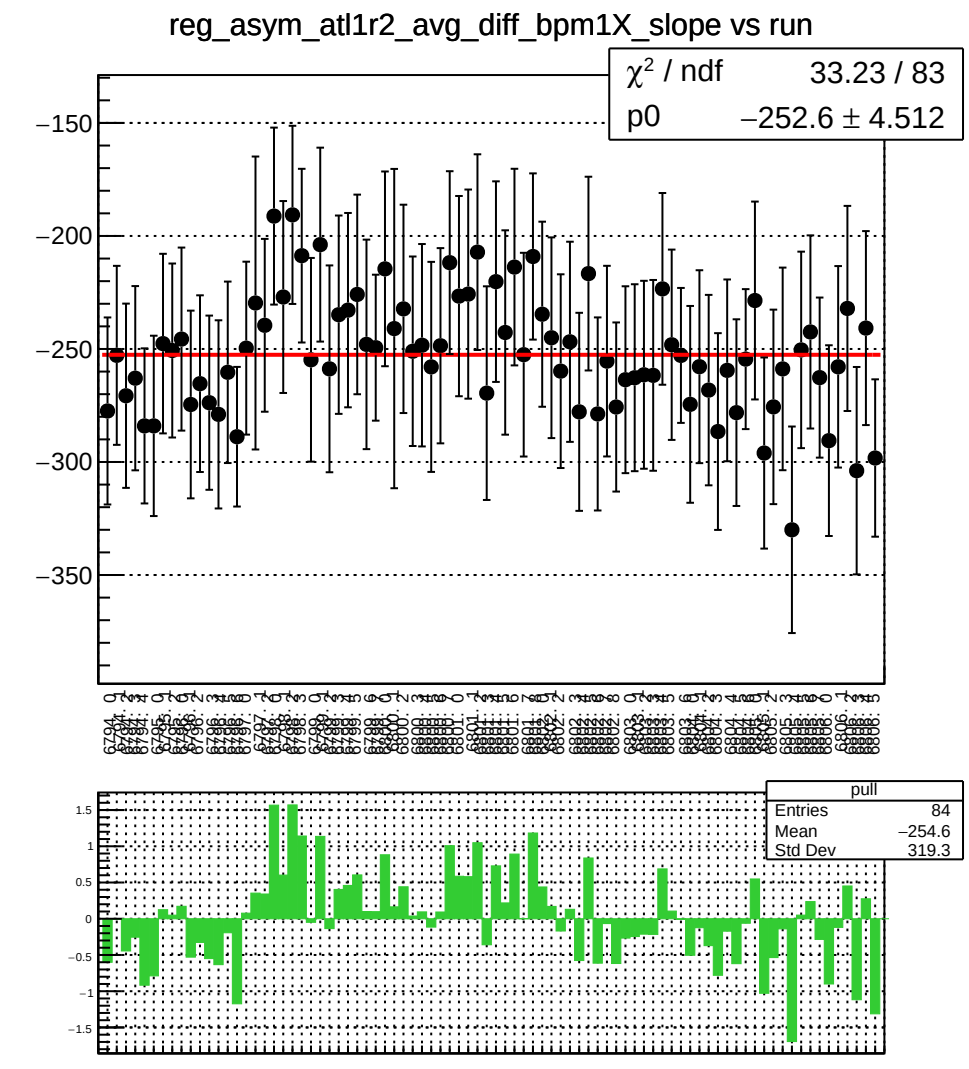

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 64.66 / 83
p0 53.83 ± 2.016
200
150
100
50
0
pull
Entries 84
Mean −1204
Std Dev 1260
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

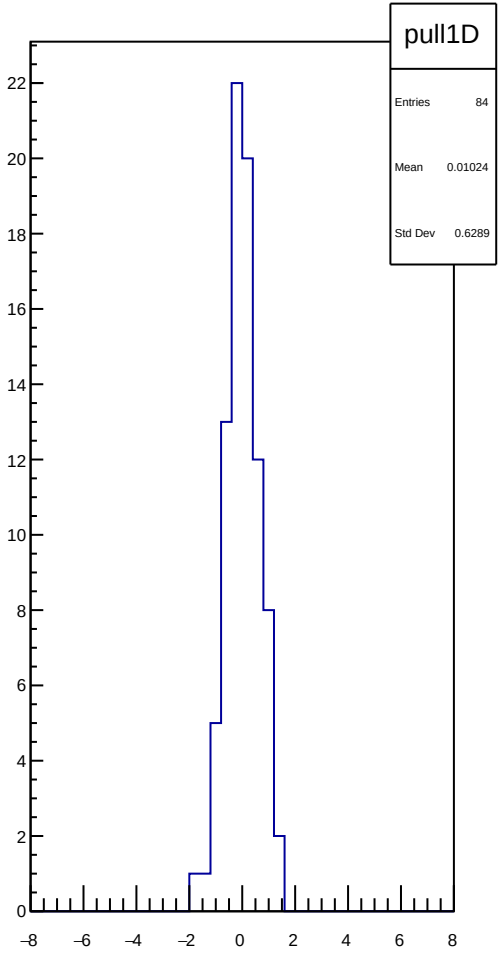

pull1D
Entries 84
Mean −0.0008654
Std Dev 0.8773
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

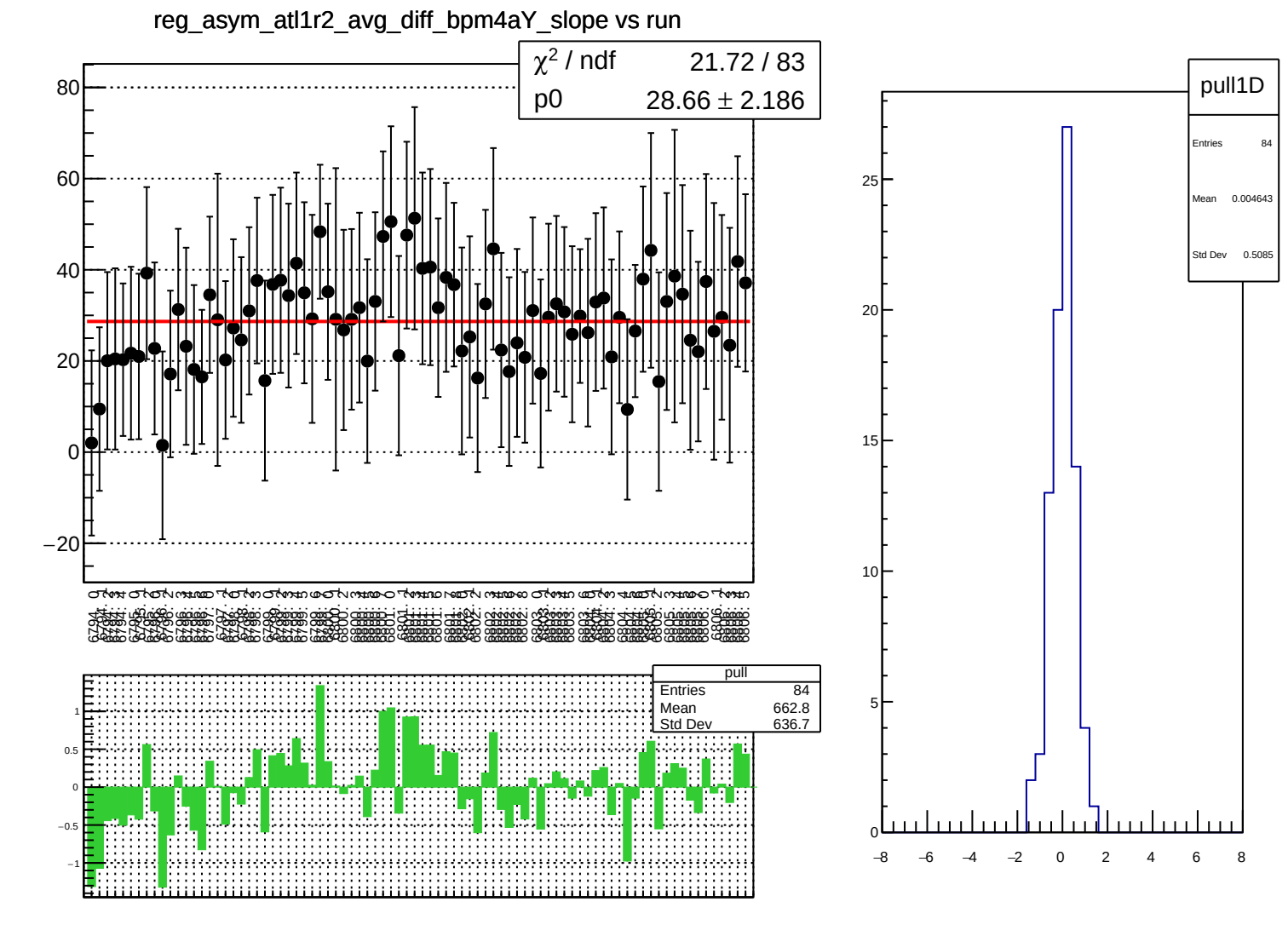

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 59.94 / 83
p0 −14.64 ± 1.462
pull
Entries 84
Mean −174.9
Std Dev 216.2

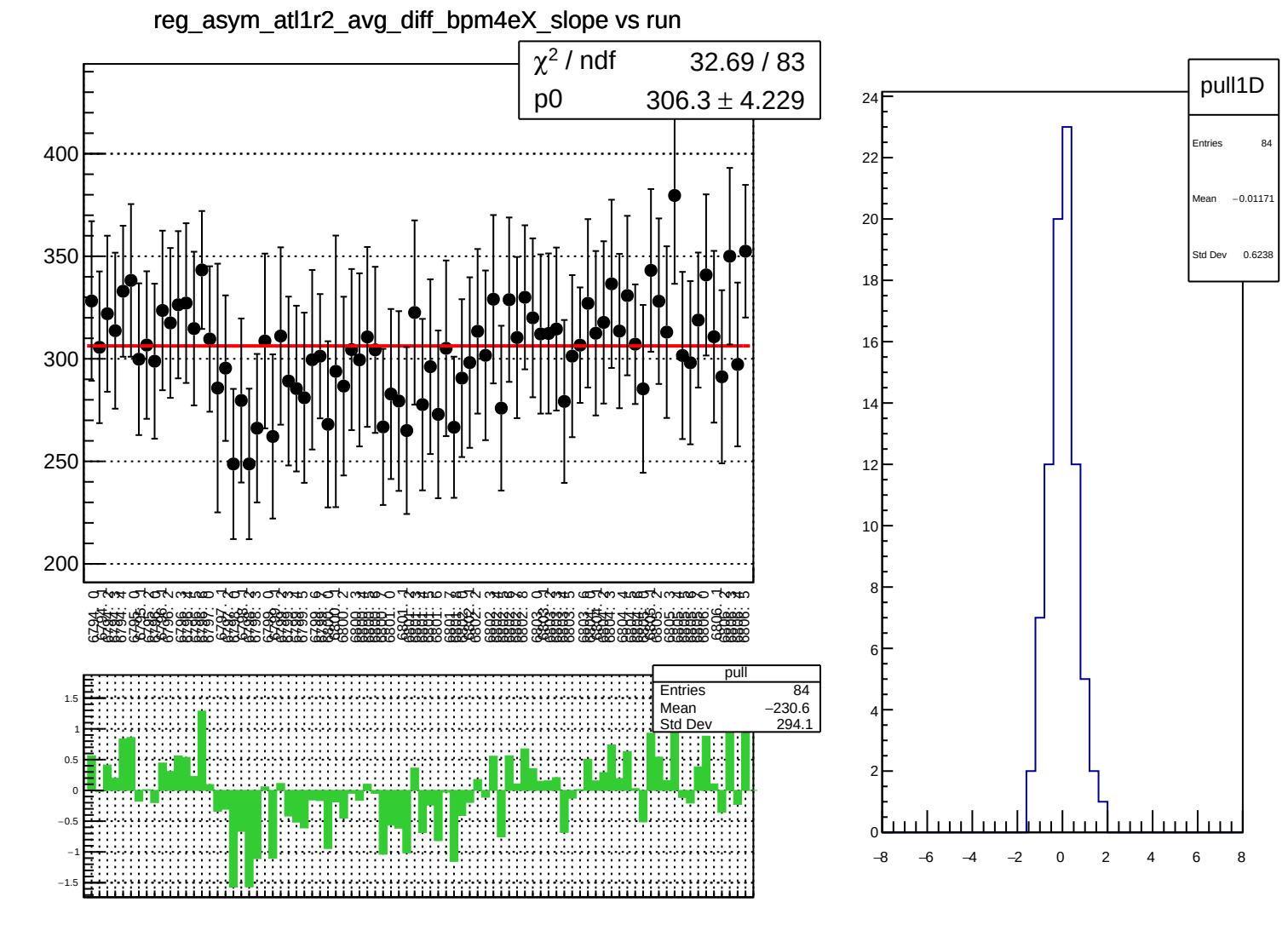

pull1D
Entries 84
Mean −0.007486
Std Dev 0.8447

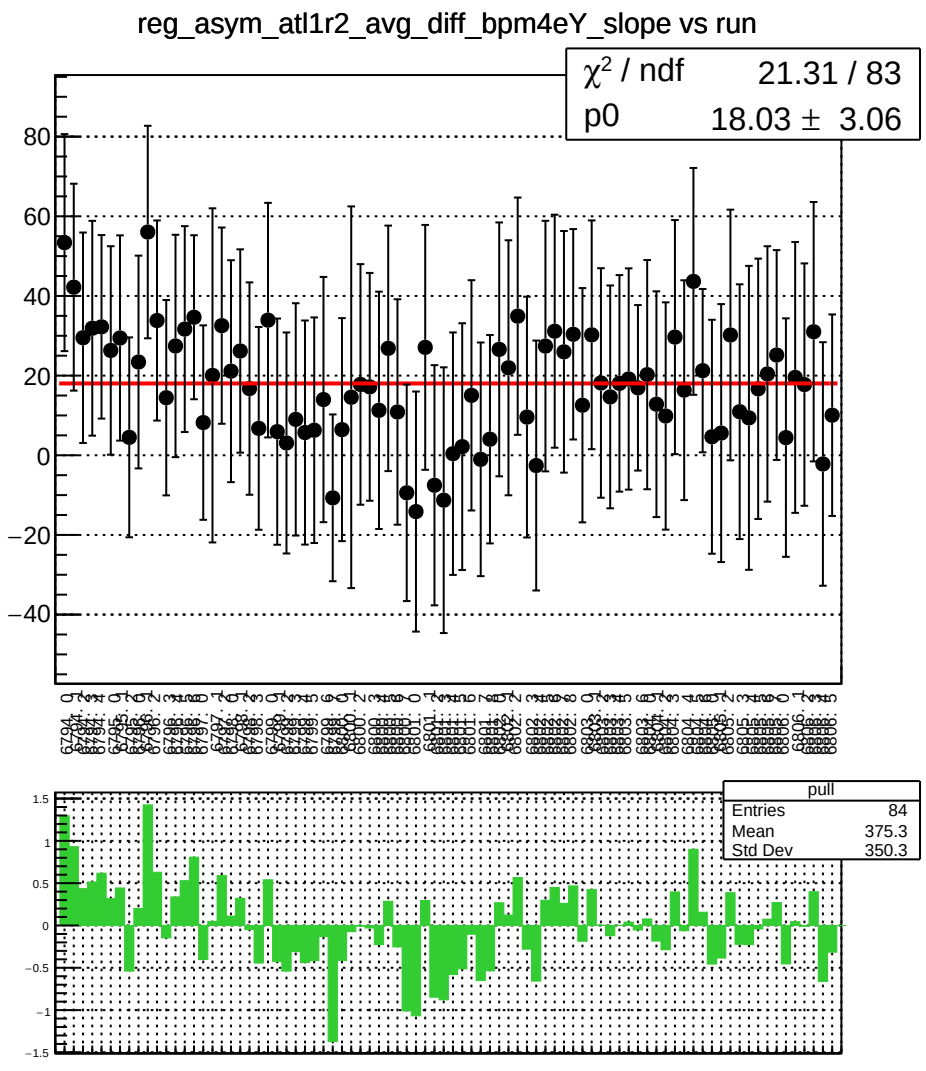

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 134.4 / 83
p0 17.24 ± 0.08621
22
20
18
16
14
pull
Entries 84
Mean −368.5
Std Dev 405.9
3
2
1
0
−1
−2
−3
pull1D
Entries 84
Mean 0.01808
Std Dev 1.265
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

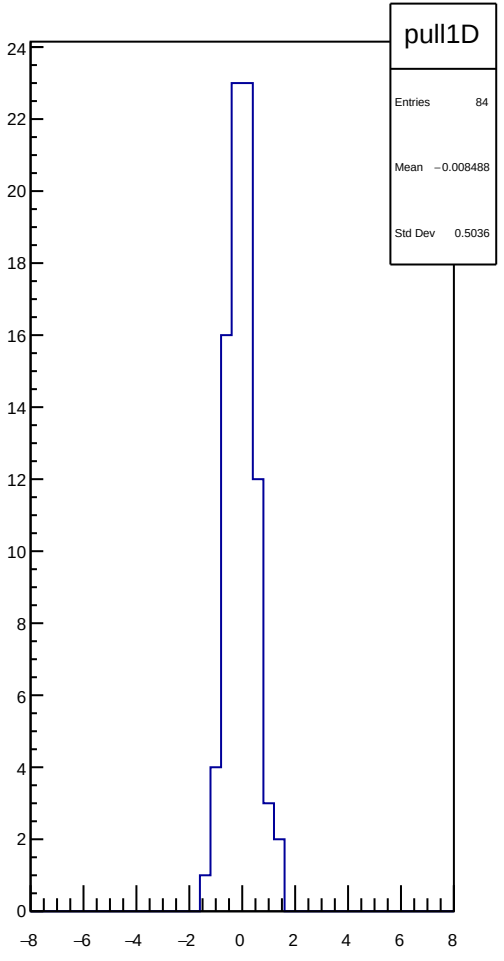

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 33.23 / 83
p0 −252.6 ± 4.512
pull
Entries 84
Mean −254.6
Std Dev 319.3

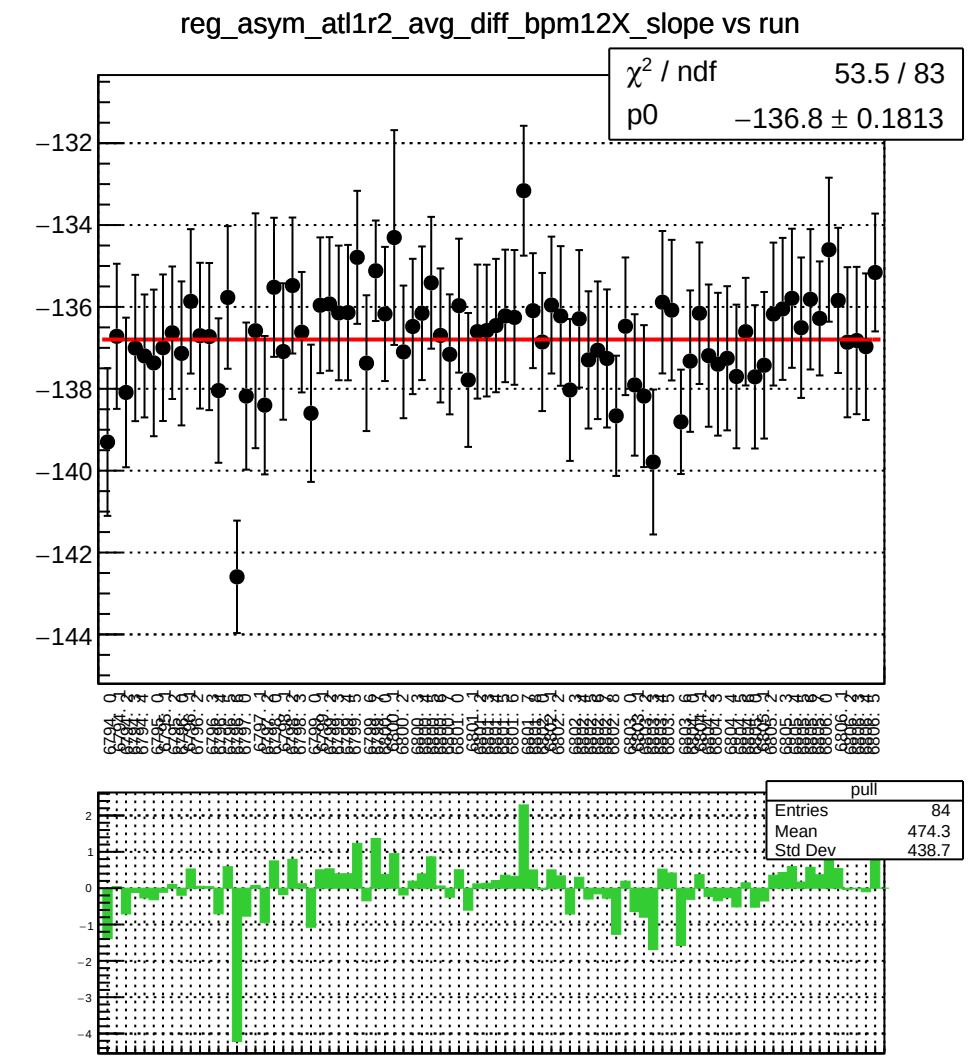

pull1D
Entries 84
Mean 0.01024
Std Dev 0.6289

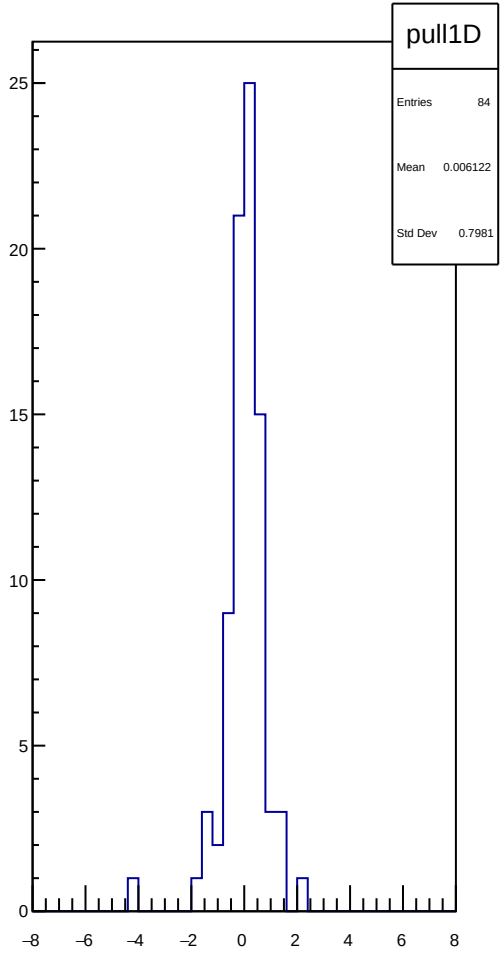

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 21.72 / 83
p0 28.66 ± 2.186
pull
Entries 84
Mean 662.8
Std Dev 636.7
pull1D
Entries 84
Mean 0.004643
Std Dev 0.5085

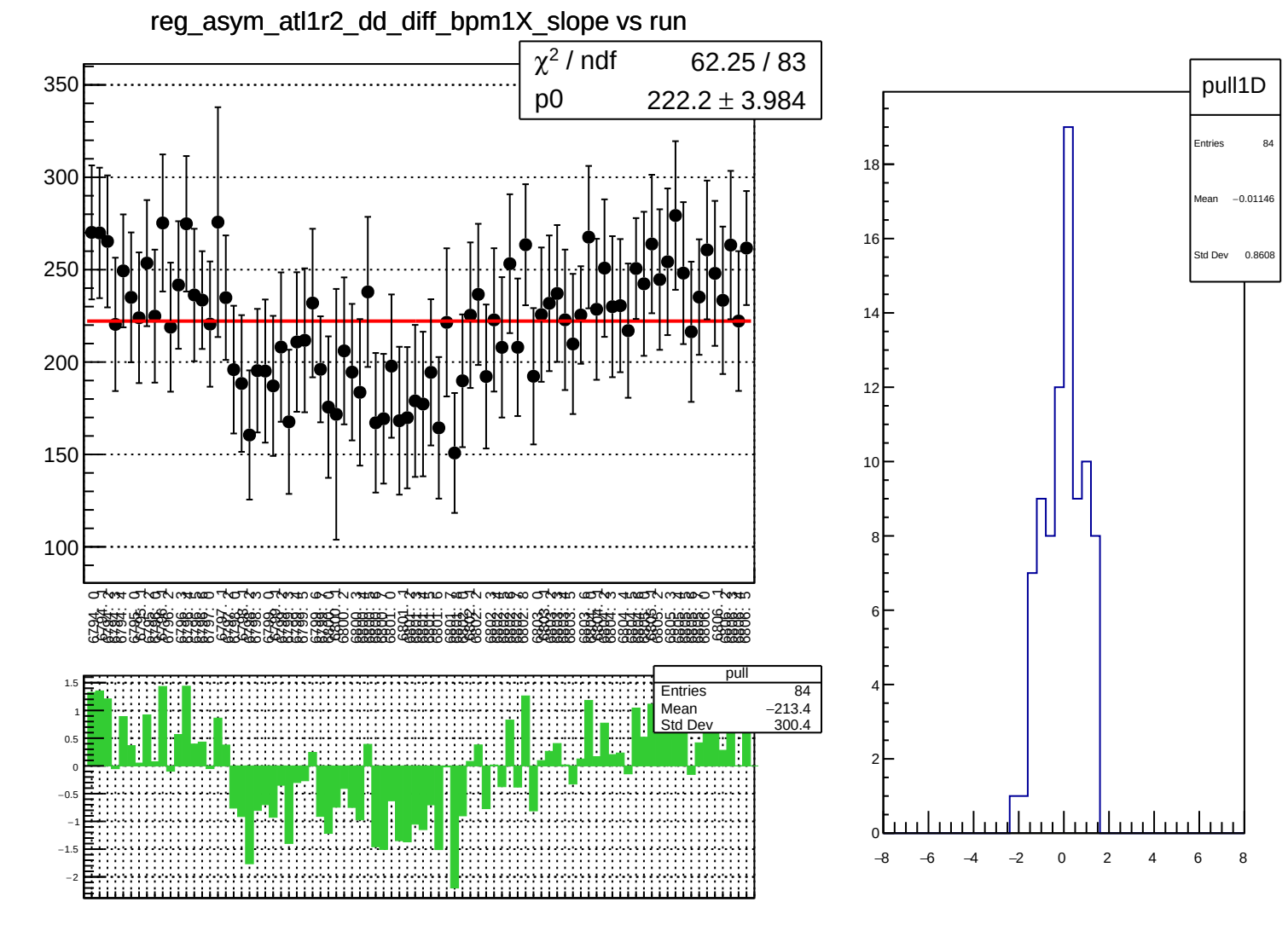

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 32.69 / 83
p0 306.3 ± 4.229
pull
Entries 84
Mean −230.6
Std Dev 294.1
pull1D
Entries 84
Mean −0.01171
Std Dev 0.6238

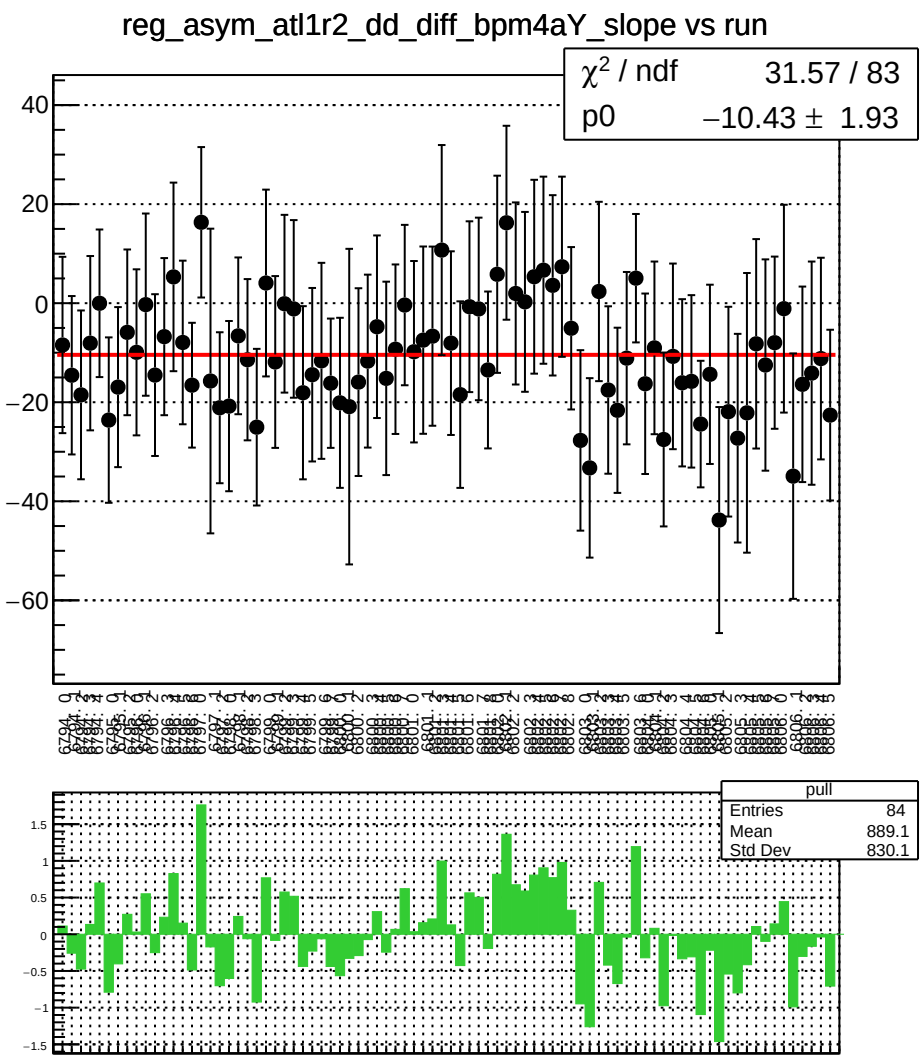

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 21.31 / 83
p0 18.03 ± 3.06
pull
Entries 84
Mean 375.3
Std Dev 350.3

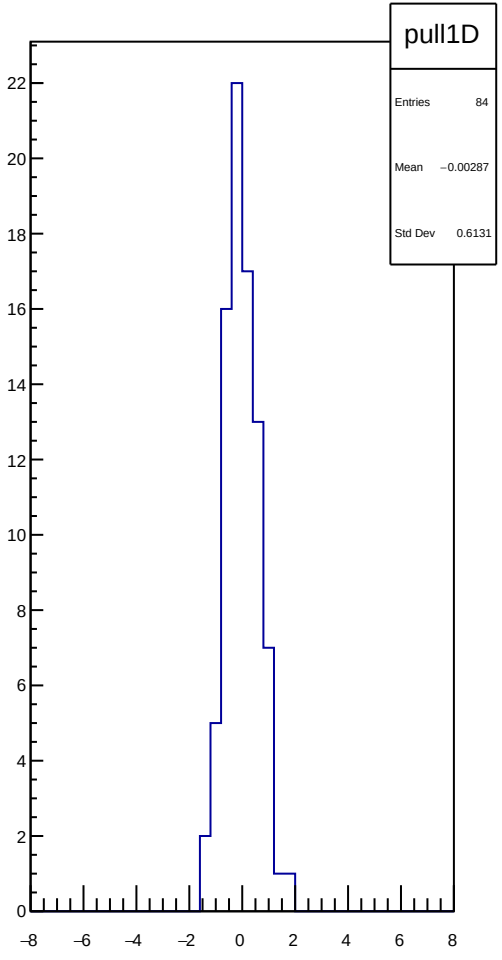

pull1D
Entries 84
Mean −0.008488
Std Dev 0.5036

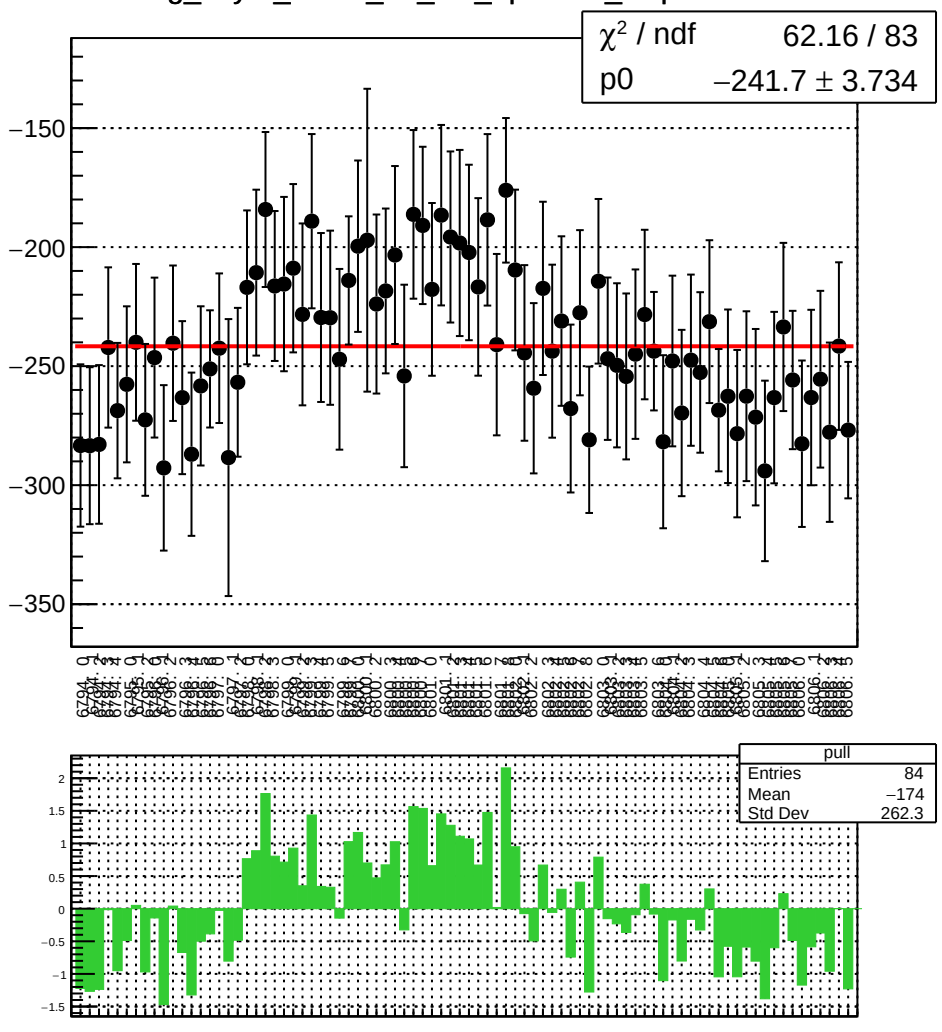

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 53.5 / 83
p0 −136.8 ± 0.1813
−132
−134
−136
−138
−140
−142
−144
pull
Entries 84
Mean 474.3
Std Dev 438.7
2
1
0
−1
−2
−3
−4

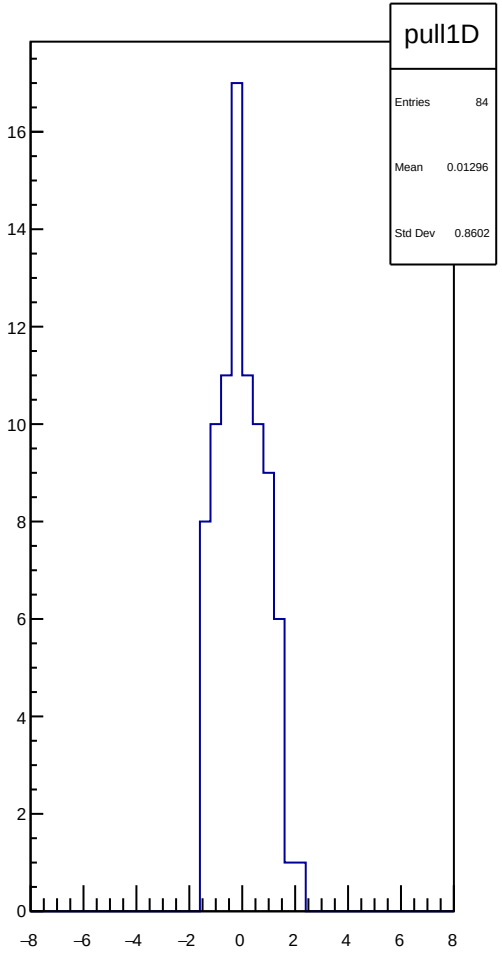

pull1D
Entries 84
Mean 0.006122
Std Dev 0.7981
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

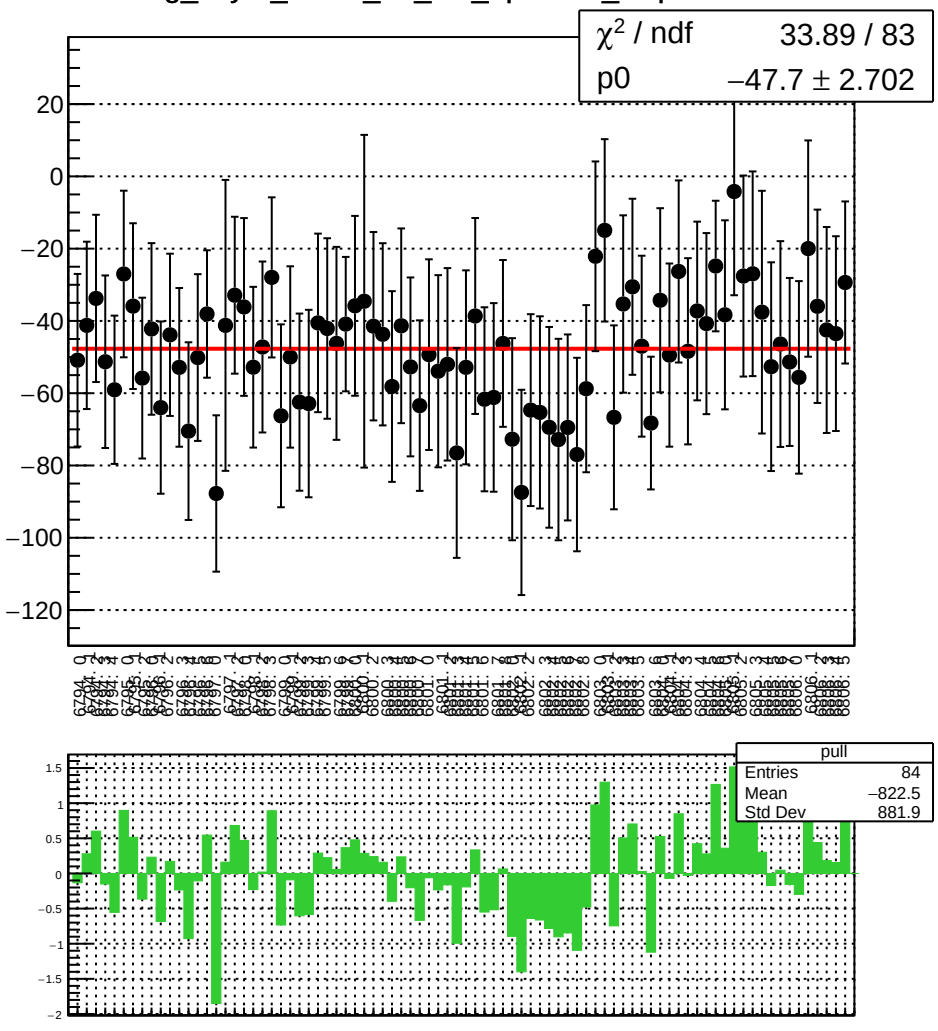

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 62.25 / 83
p0 222.2 ± 3.984
pull
Entries 84
Mean −213.4
Std Dev 300.4
pull1D
Entries 84
Mean −0.01146
Std Dev 0.8608

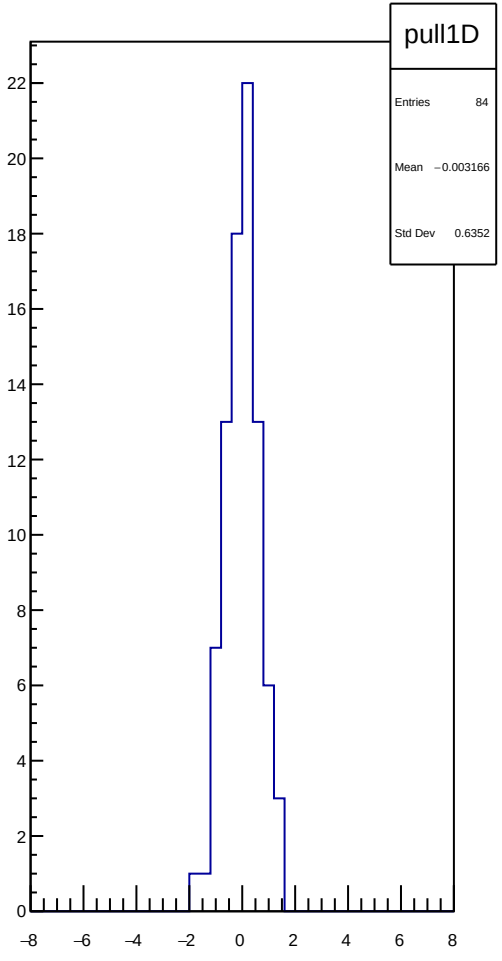

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 31.57 / 83
p0 −10.43 ± 1.93
pull
Entries 84
Mean 889.1
Std Dev 830.1

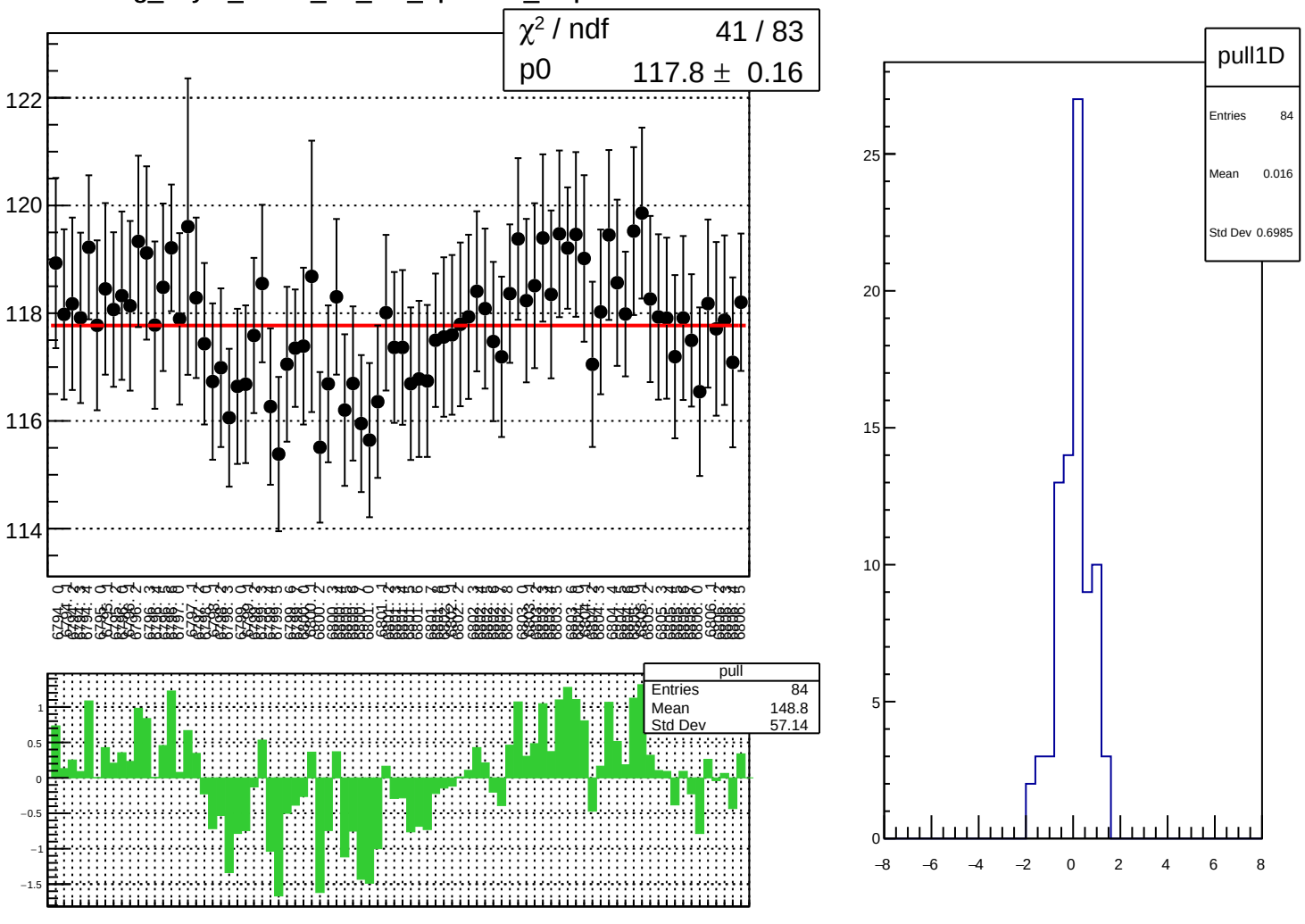

pull1D
Entries 84
Mean −0.00287
Std Dev 0.6131

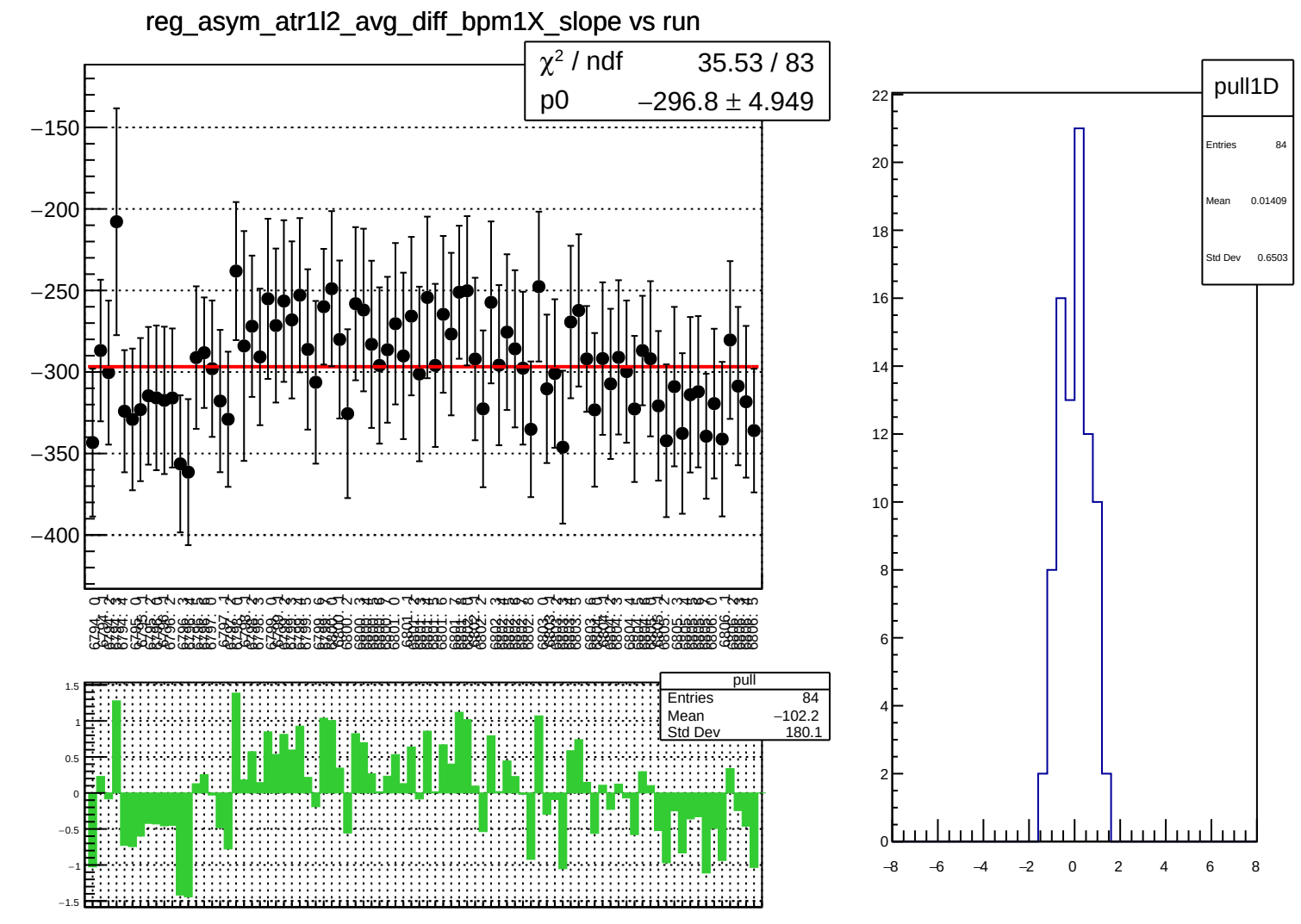

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 62.16 / 83
p0 −241.7 ± 3.734
pull
Entries 84
Mean −174
Std Dev 262.3

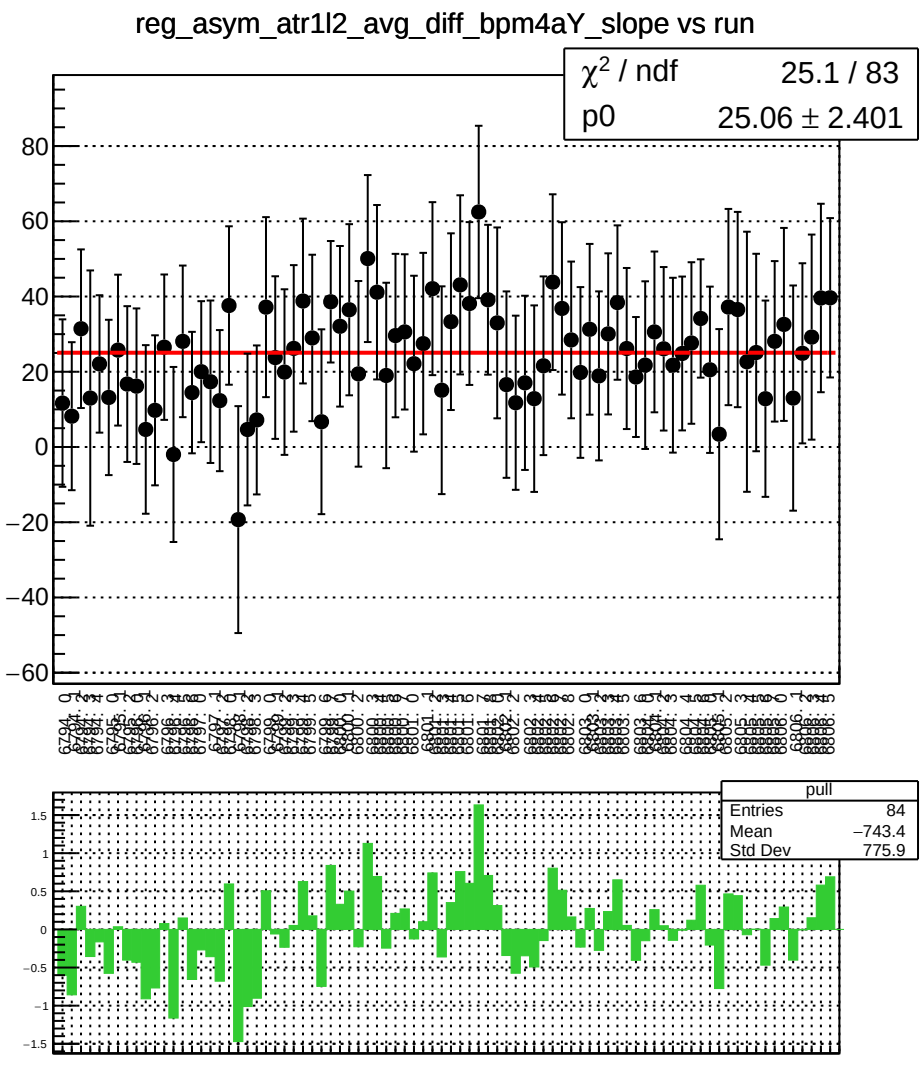

pull1D
Entries 84
Mean 0.01296
Std Dev 0.8602

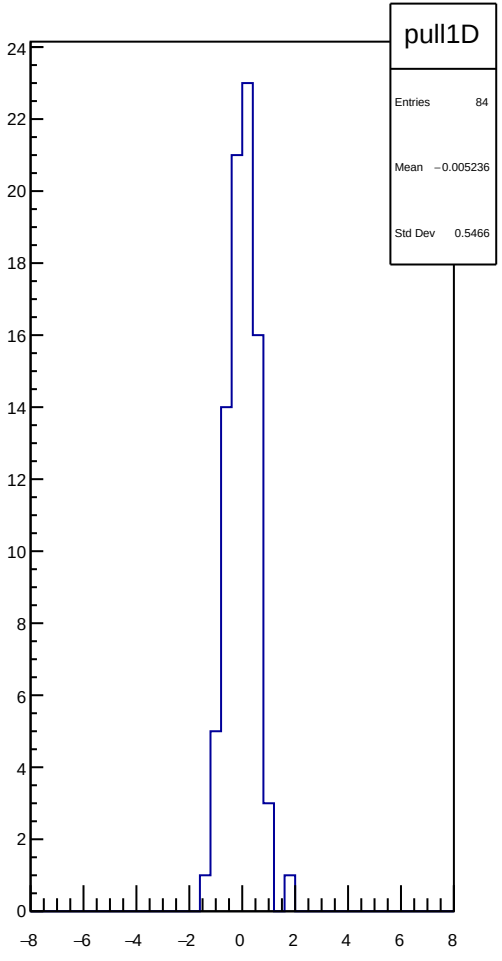

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 33.89 / 83
p0 −47.7 ± 2.702
pull
Entries 84
Mean −822.5
Std Dev 881.9

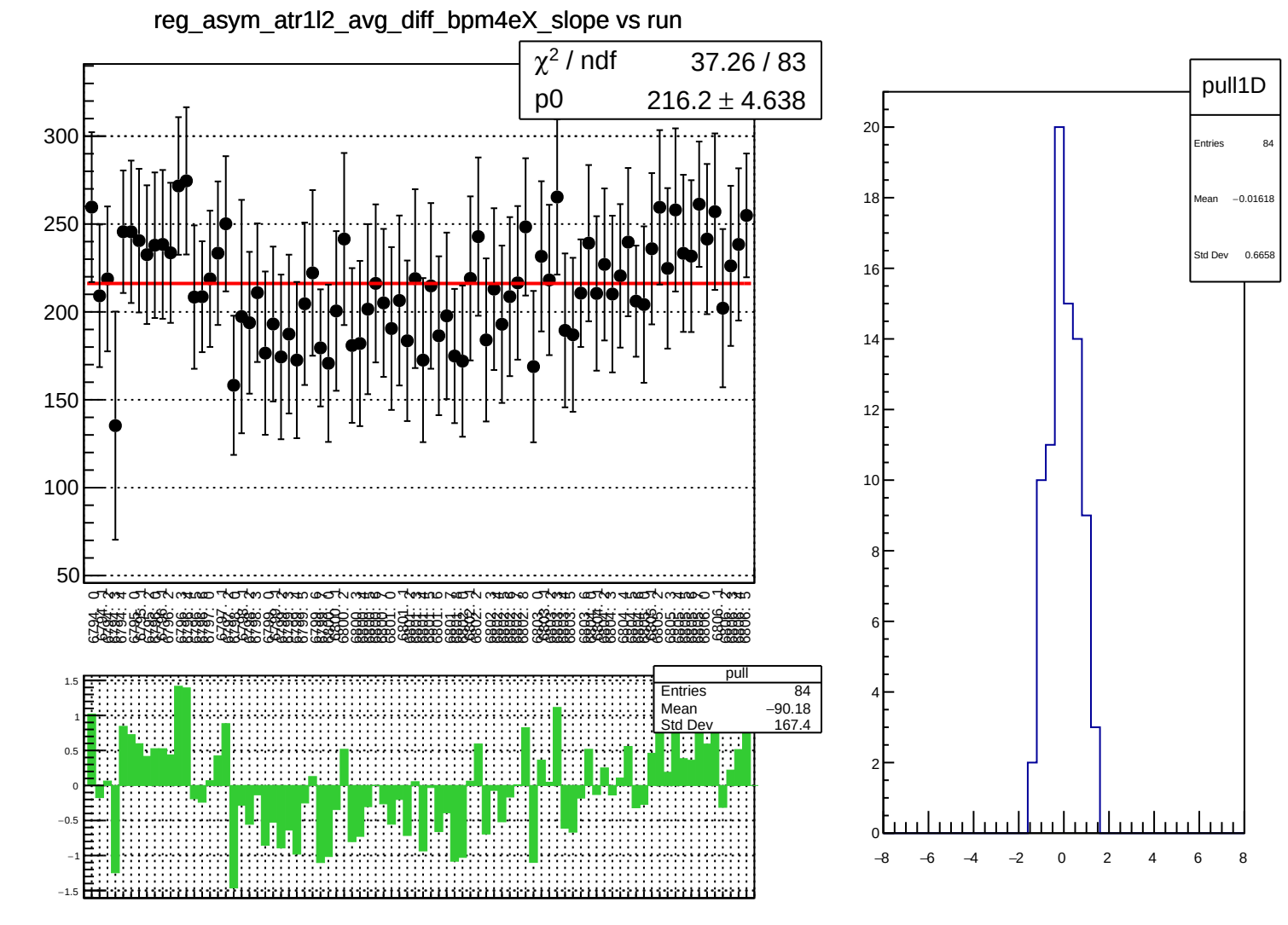

pull1D
Entries 84
Mean −0.003166
Std Dev 0.6352

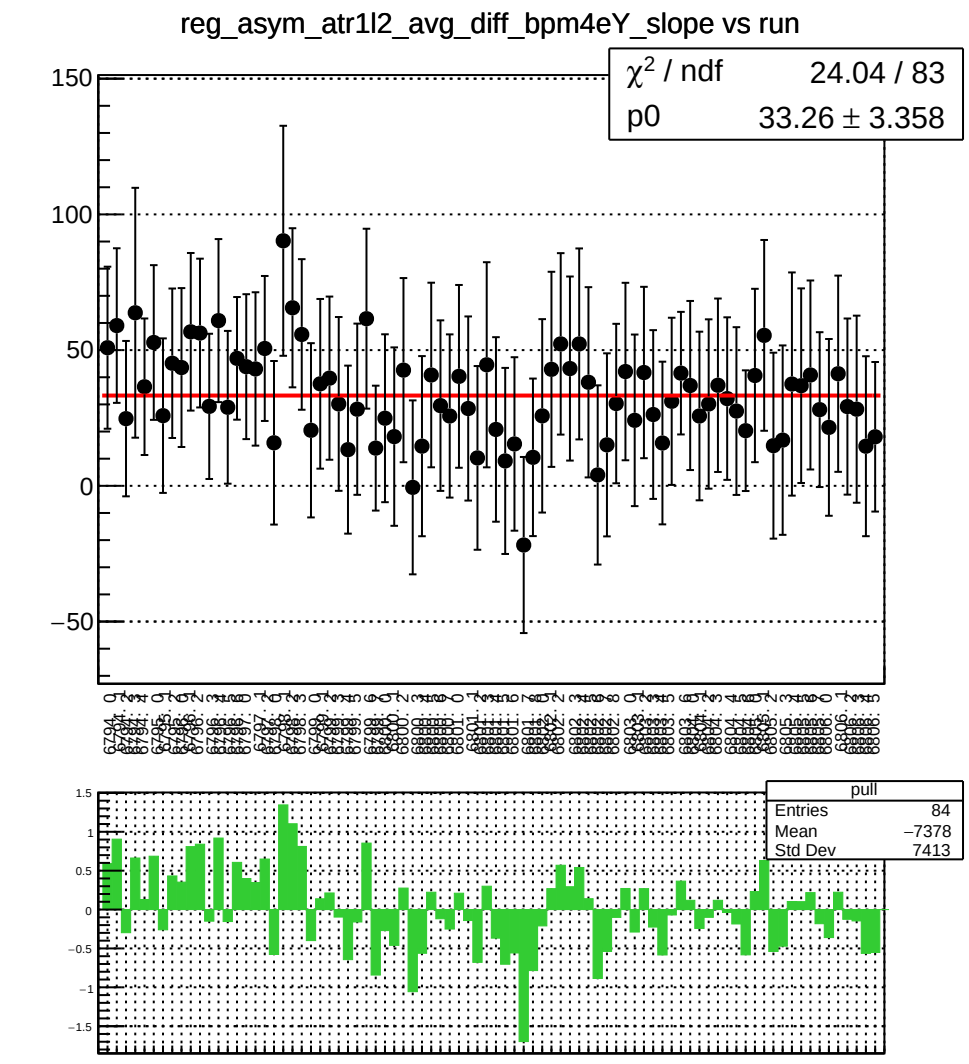

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 41 / 83
p0 117.8 ± 0.16
122
120
118
116
114
pull
Entries 84
Mean 148.8
Std Dev 57.14
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 84
Mean 0.016
Std Dev 0.6985
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

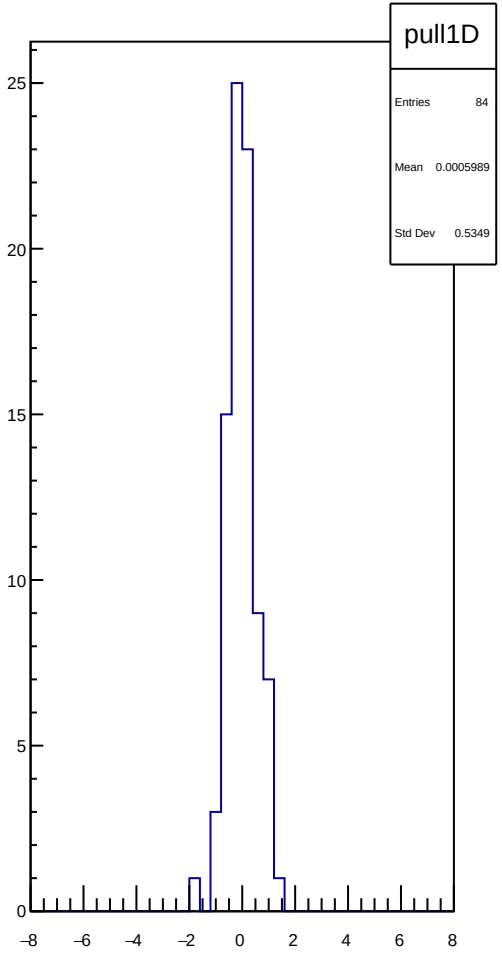

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 35.53 / 83
p0 −296.8 ± 4.949
pull
Entries 84
Mean −102.2
Std Dev 180.1
pull1D
Entries 84
Mean 0.01409
Std Dev 0.6503

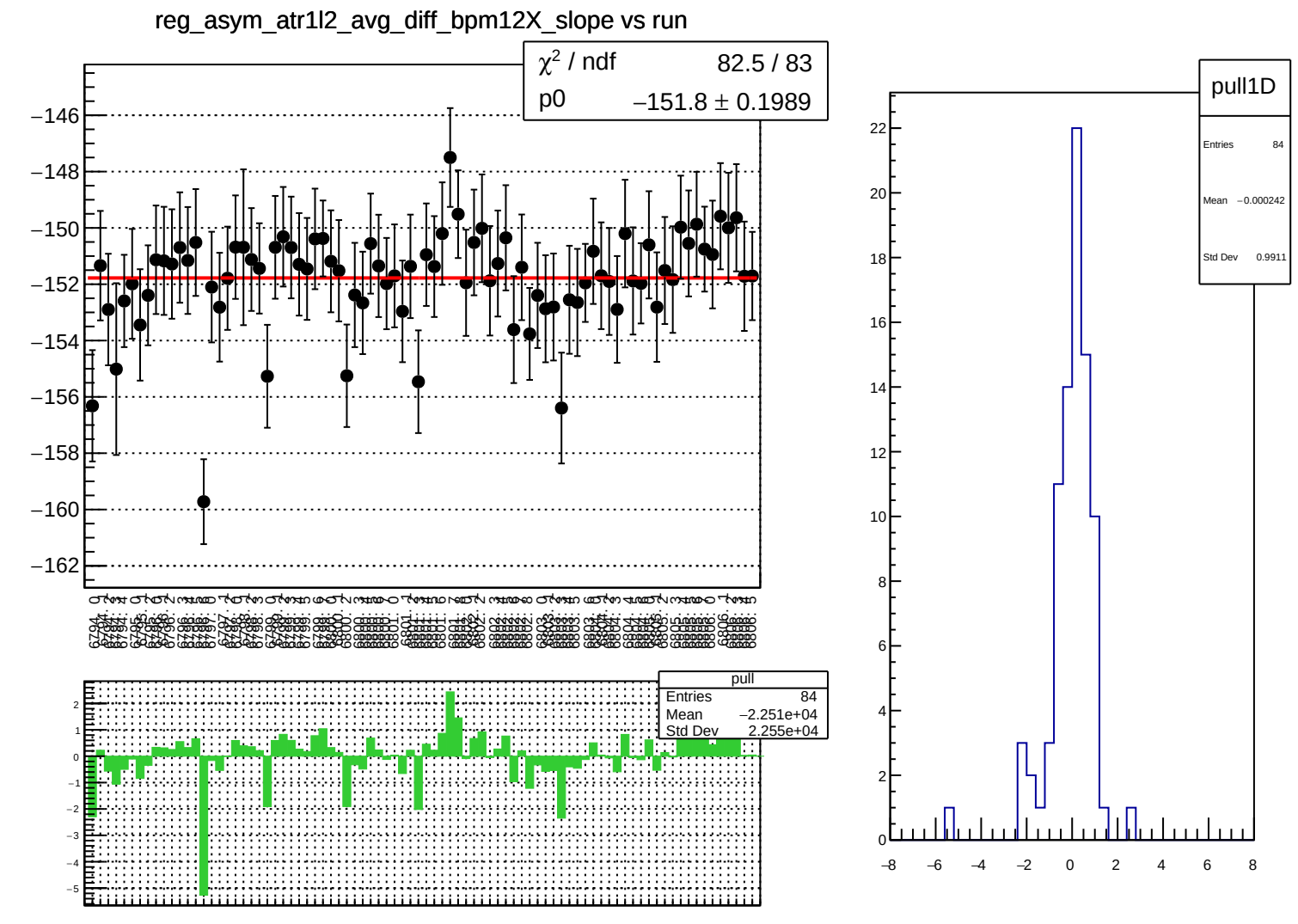

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 25.1 / 83
p0 25.06 ± 2.401
pull
Entries 84
Mean −743.4
Std Dev 775.9

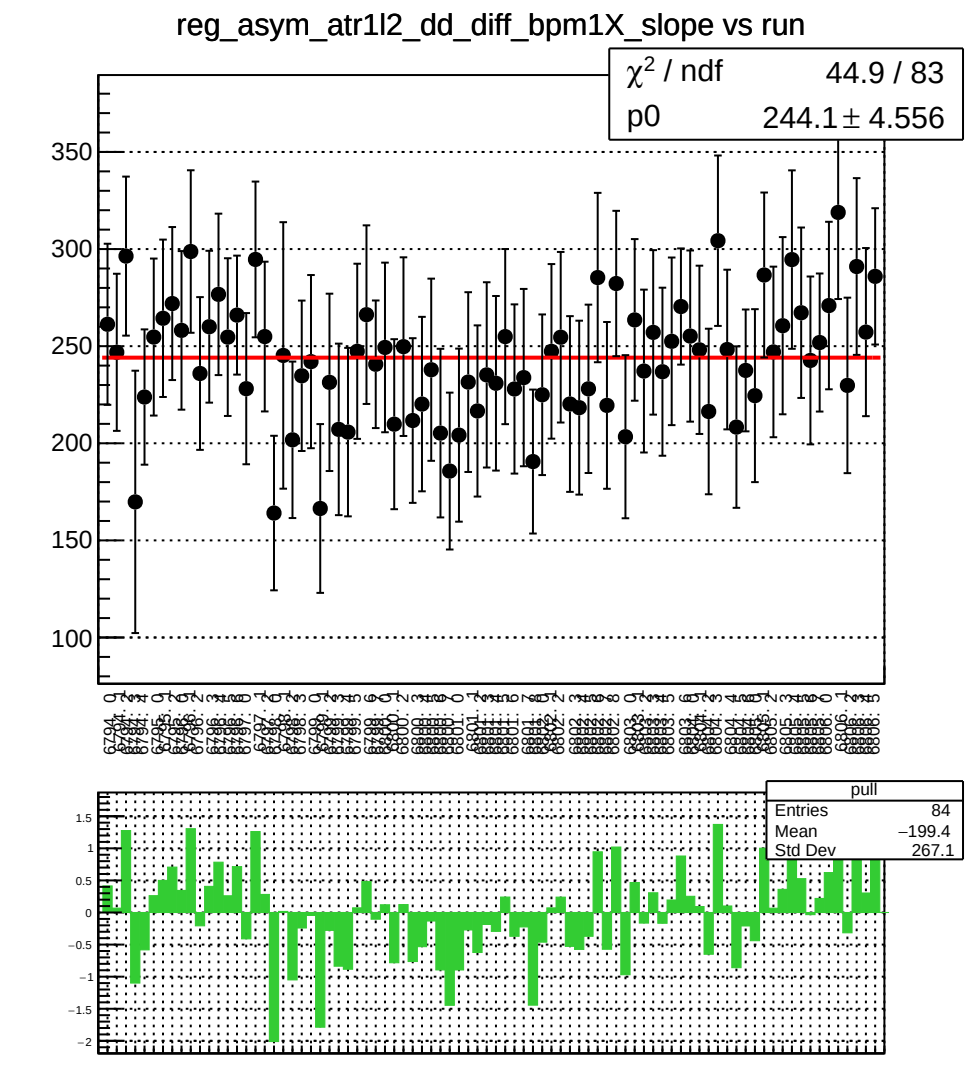

pull1D
Entries 84
Mean −0.005236
Std Dev 0.5466

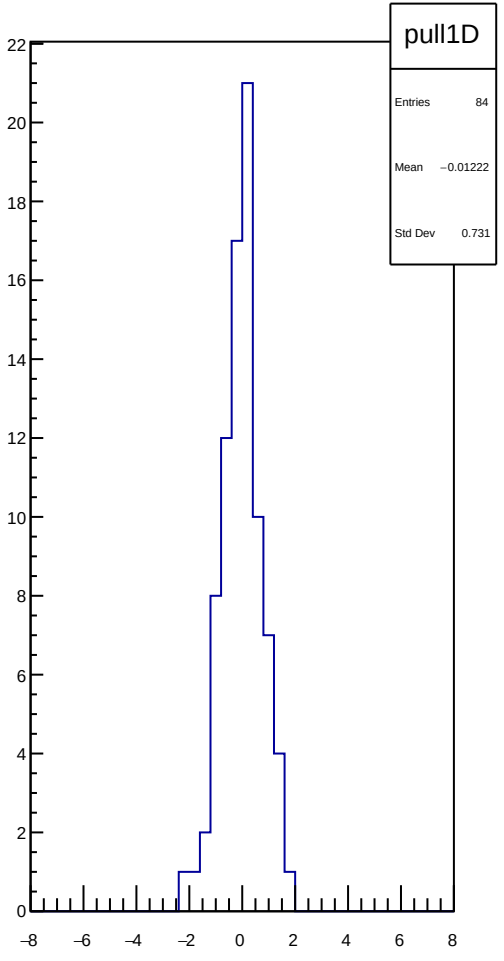

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 37.26 / 83
p0 216.2 ± 4.638
pull
Entries 84
Mean −90.18
Std Dev 167.4
pull1D
Entries 84
Mean −0.01618
Std Dev 0.6658

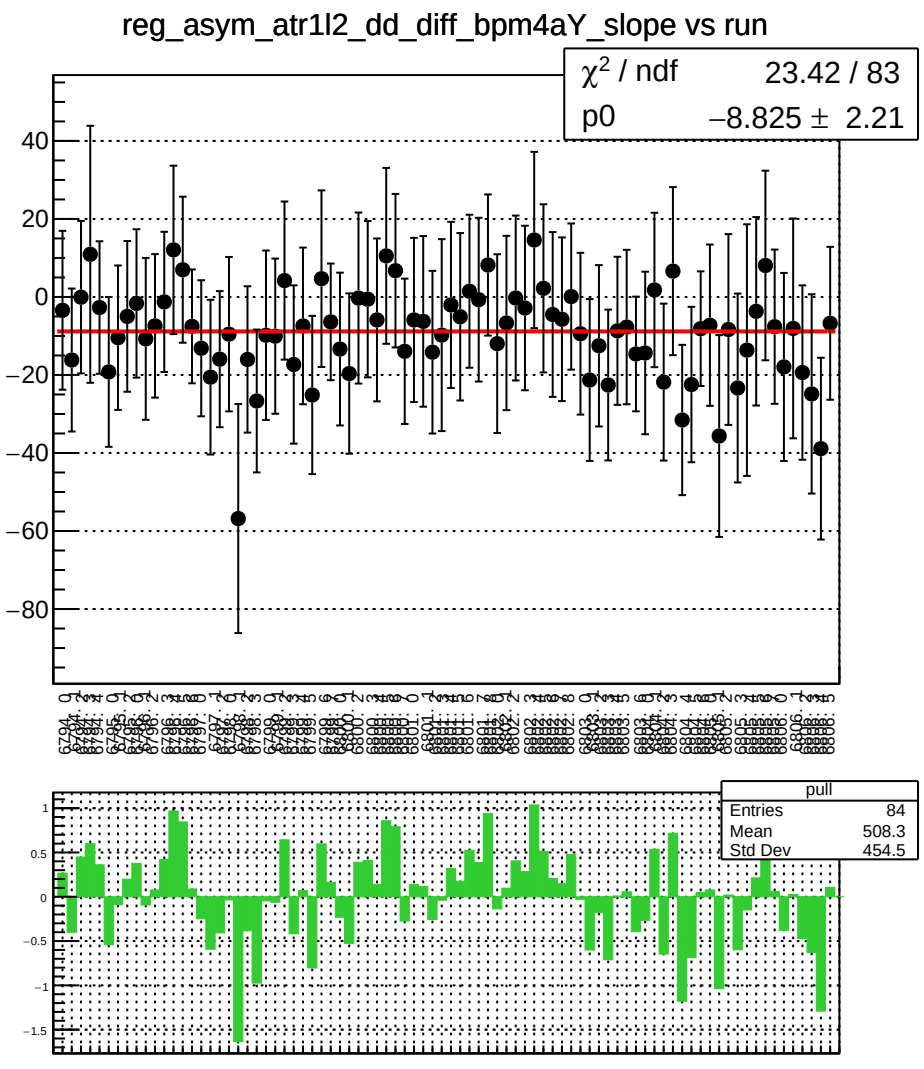

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 24.04 / 83
p0 33.26 ± 3.358
150
100
50
0
−50
pull
Entries 84
Mean −7378
Std Dev 7413
1.5
1
0.5
0
−0.5
−1
−1.5

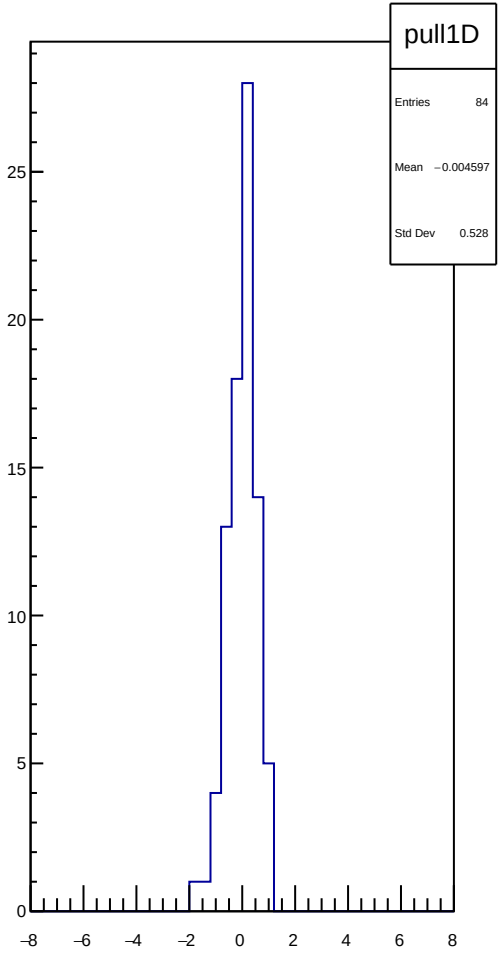

pull1D
Entries 84
Mean 0.0005989
Std Dev 0.5349
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

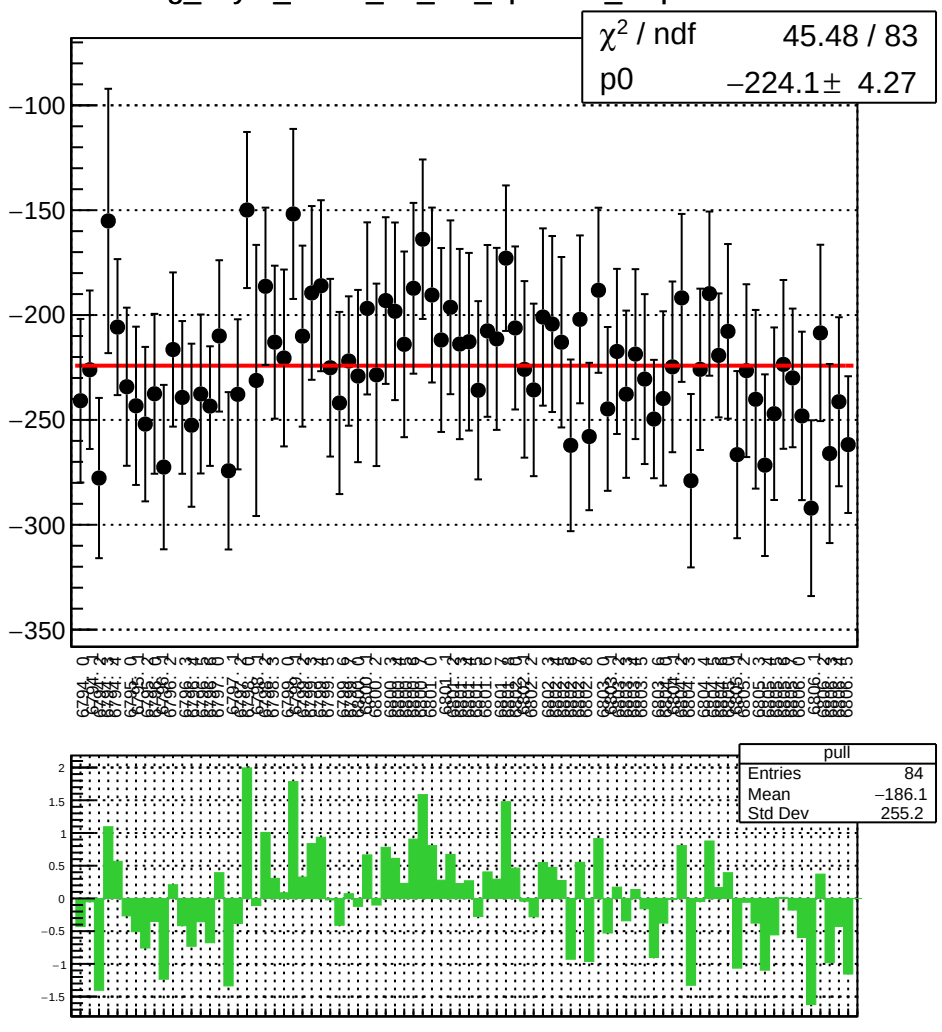

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 82.5 / 83
p0 −151.8 ± 0.1989
pull
Entries 84
Mean −2.251e+04
Std Dev 2.255e+04
pull1D
Entries 84
Mean −0.000242
Std Dev 0.9911

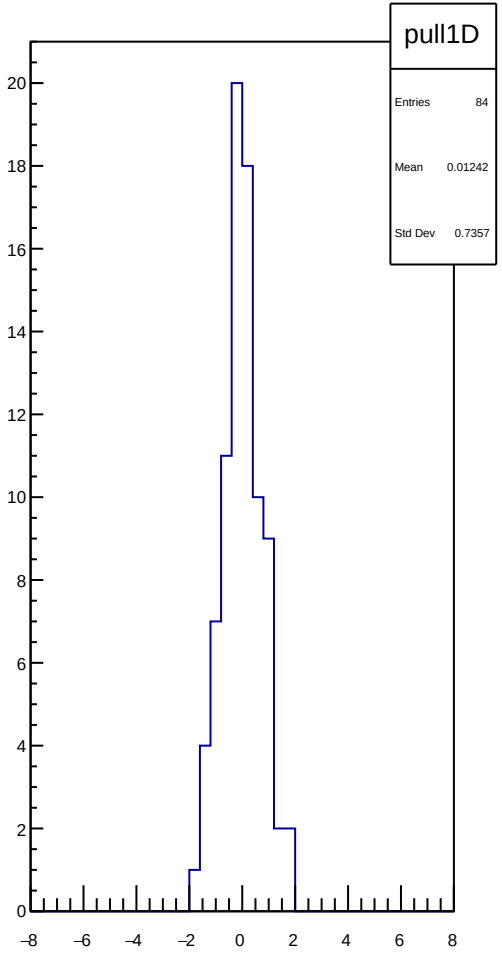

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 44.9 / 83
p0 244.1 ± 4.556
pull
Entries 84
Mean −199.4
Std Dev 267.1

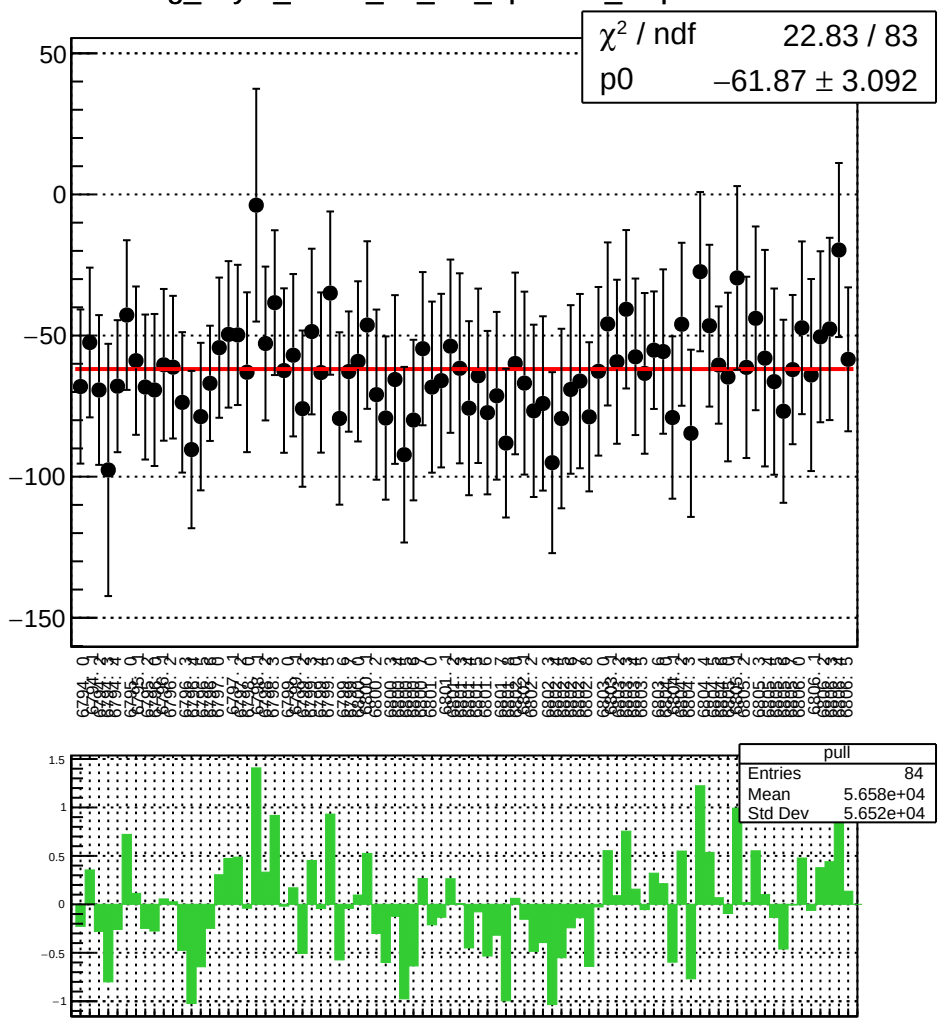

pull1D
Entries 84
Mean −0.01222
Std Dev 0.731

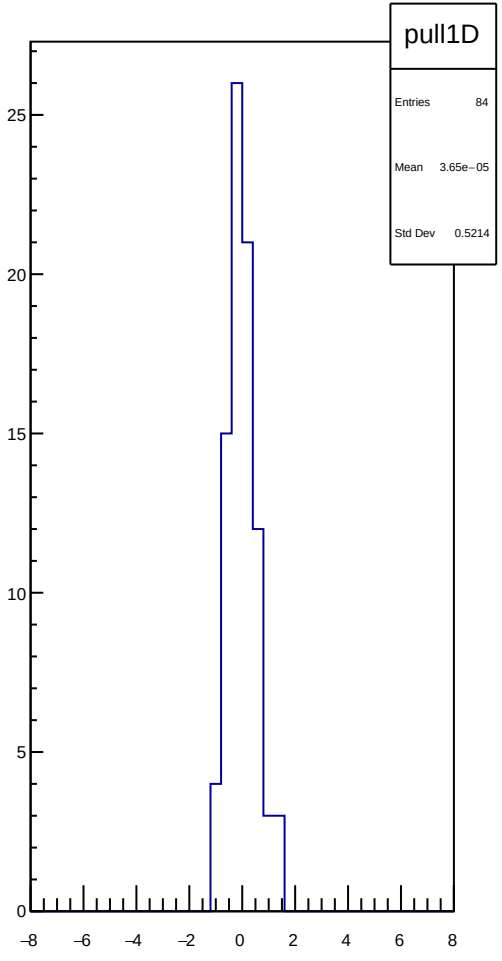

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 23.42 / 83
p0 −8.825 ± 2.21
pull
Entries 84
Mean 508.3
Std Dev 454.5

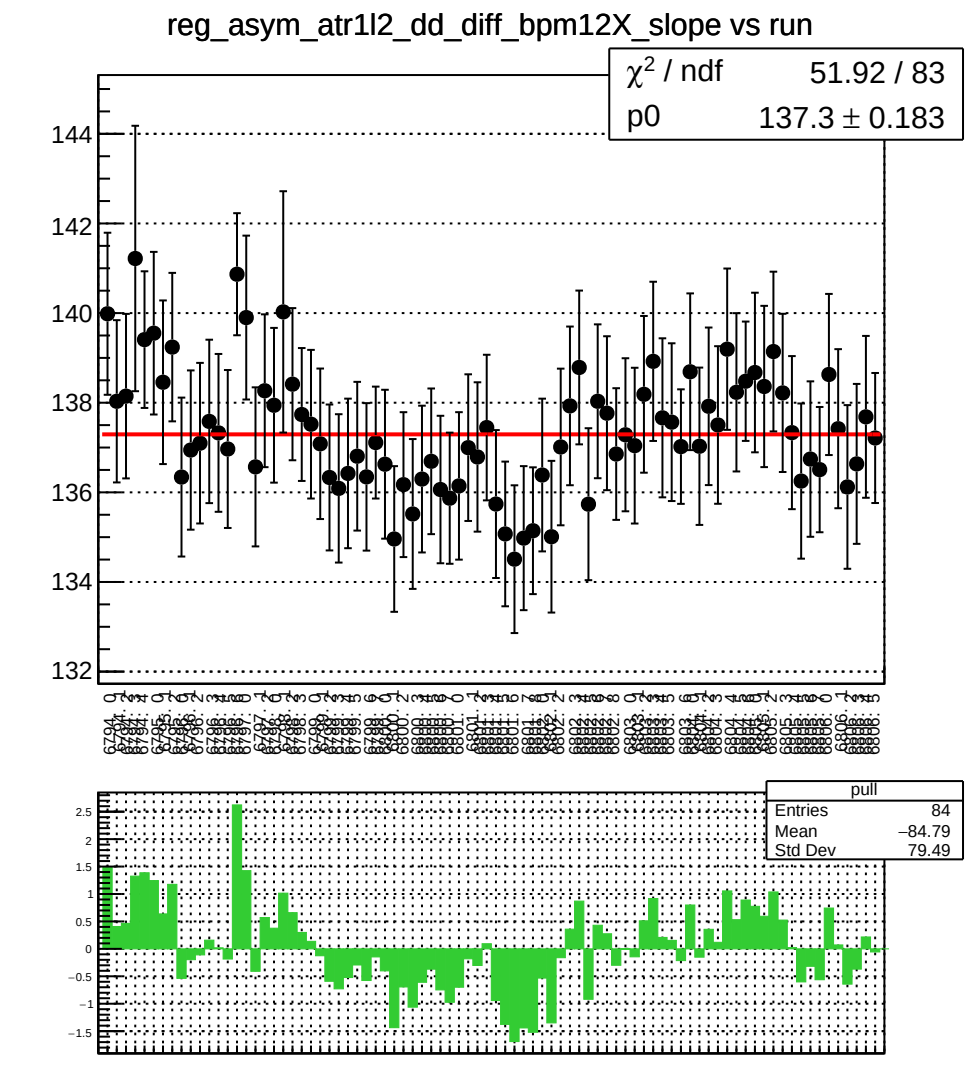

pull1D
Entries 84
Mean −0.004597
Std Dev 0.528

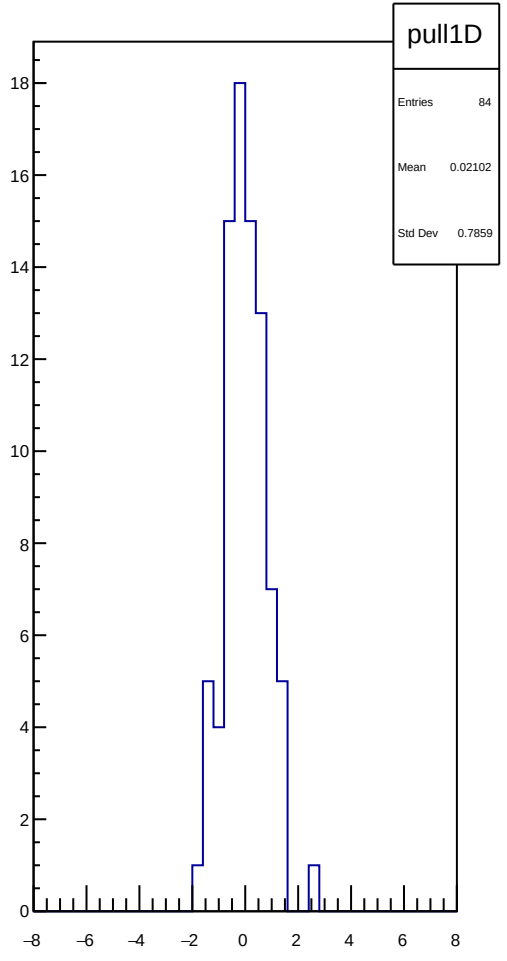

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 45.48 / 83
p0 −224.1± 4.27
pull
Entries 84
Mean −186.1
Std Dev 255.2

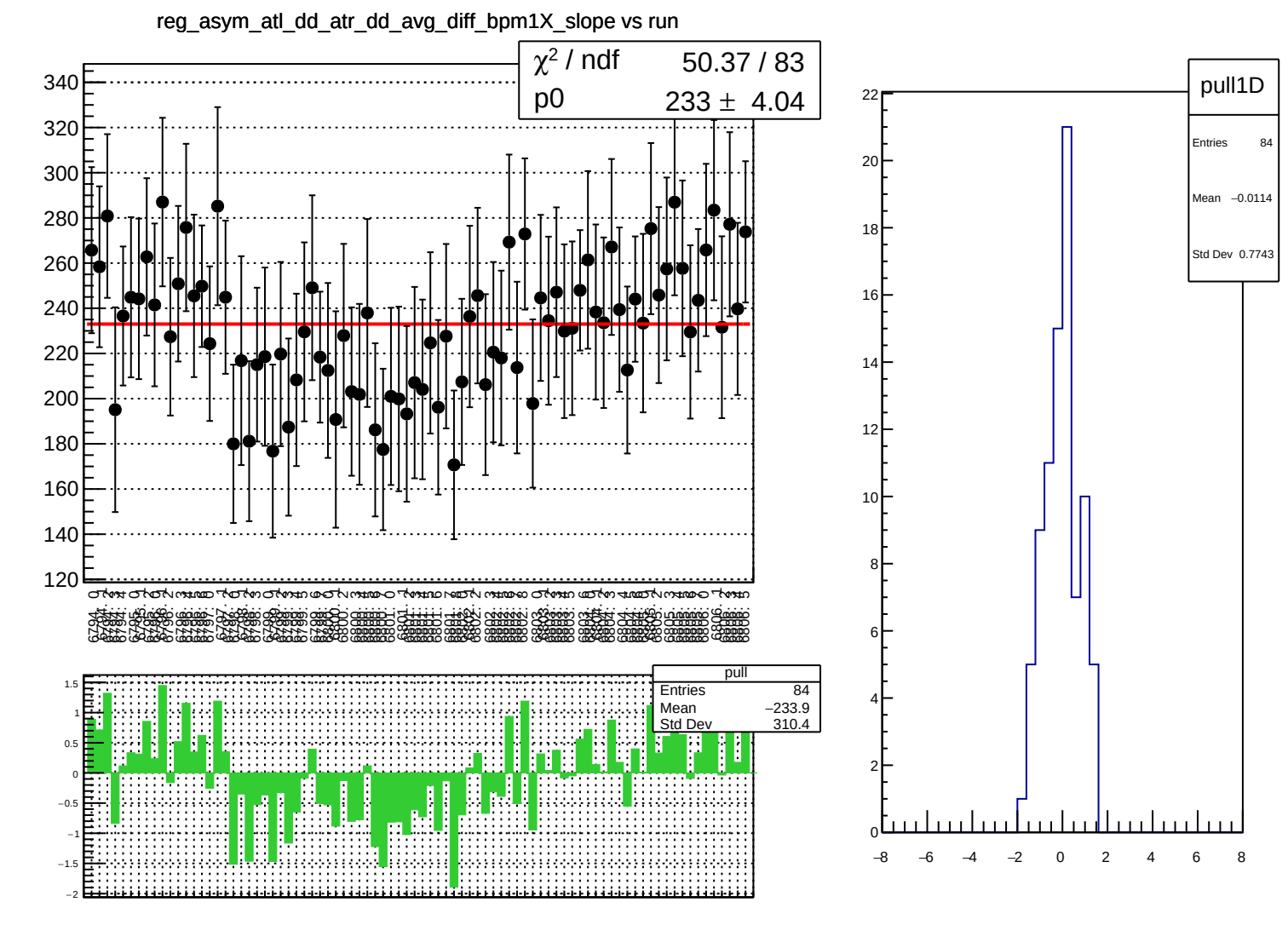

pull1D
Entries 84
Mean 0.01242
Std Dev 0.7357

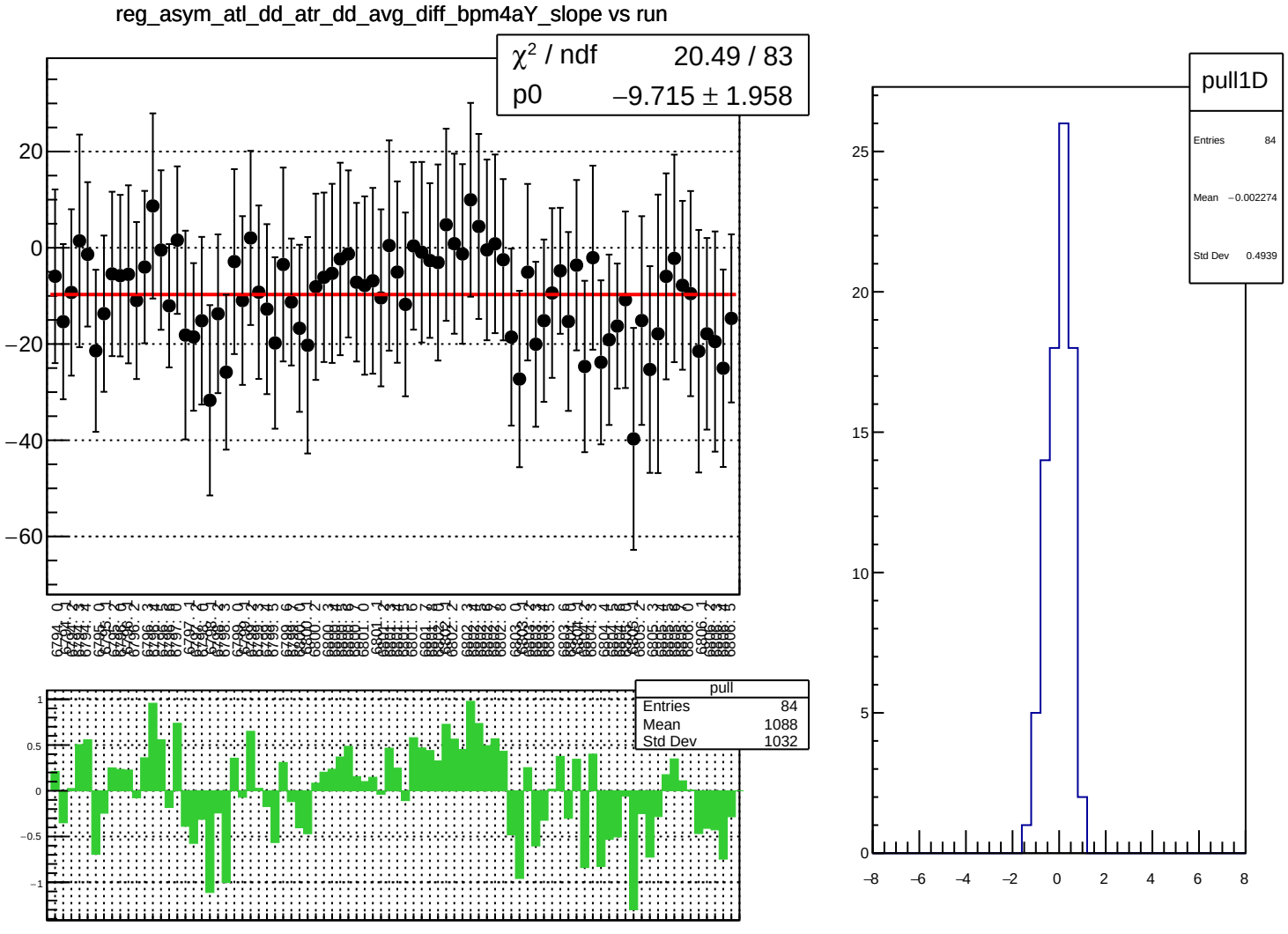

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 22.83 / 83
p0 −61.87 ± 3.092
pull
Entries 84
Mean 5.658e+04
Std Dev 5.652e+04

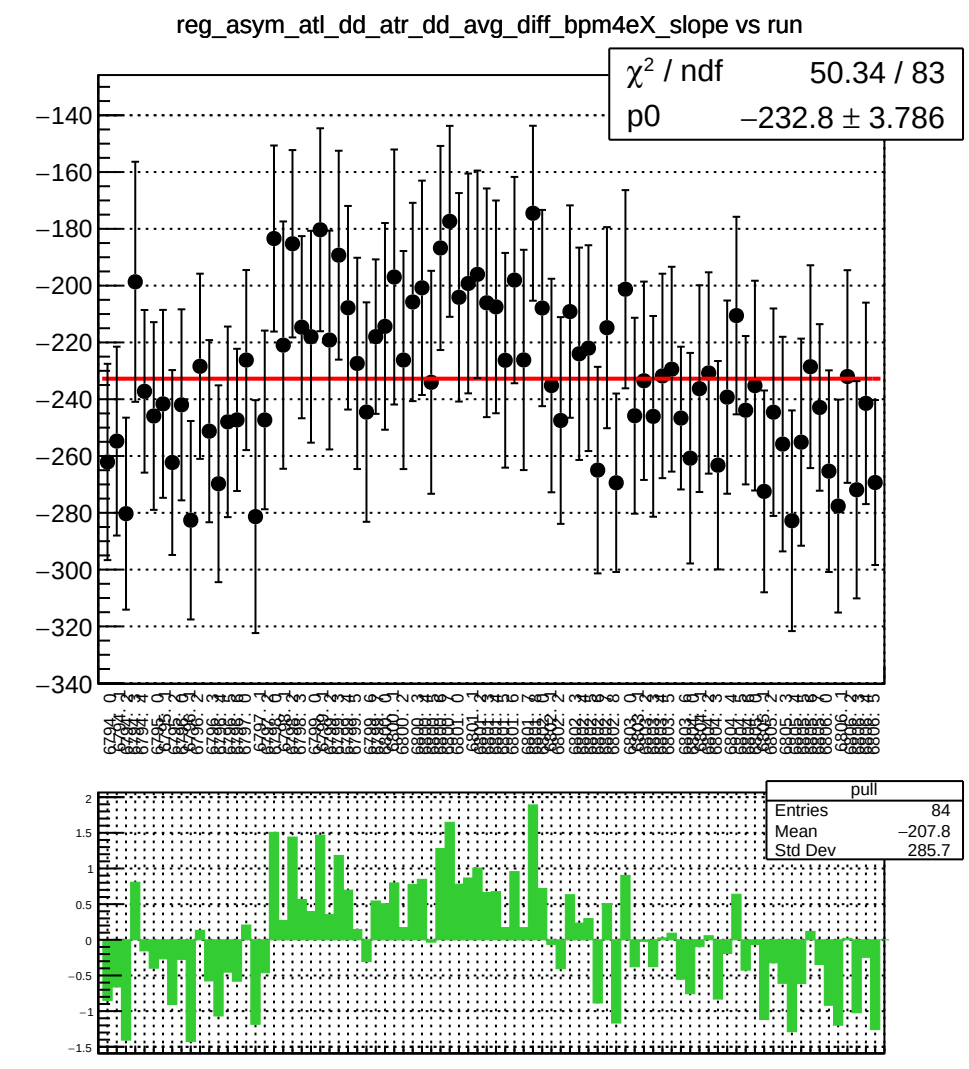

pull1D
Entries 84
Mean 3.65e−05
Std Dev 0.5214

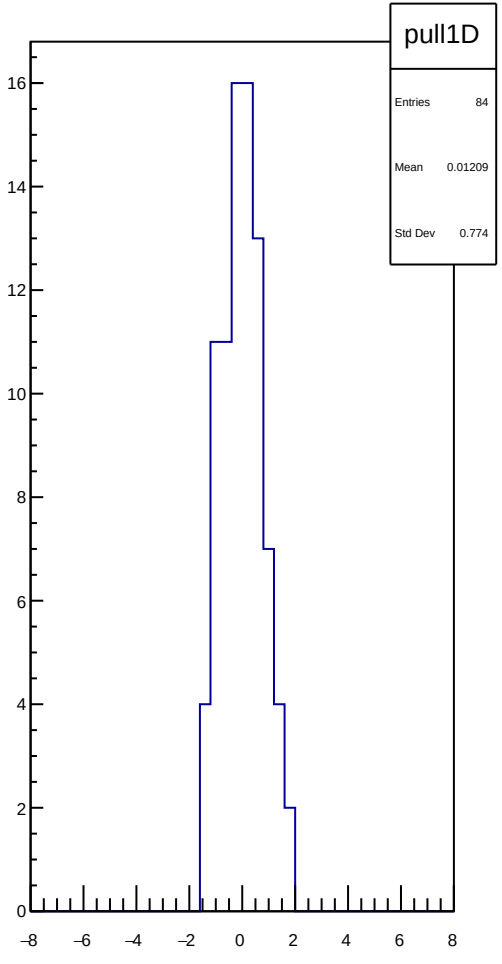

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 51.92 / 83
p0 137.3 ± 0.183
144
142
140
138
136
134
132
pull
Entries 84
Mean −84.79
Std Dev 79.49
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

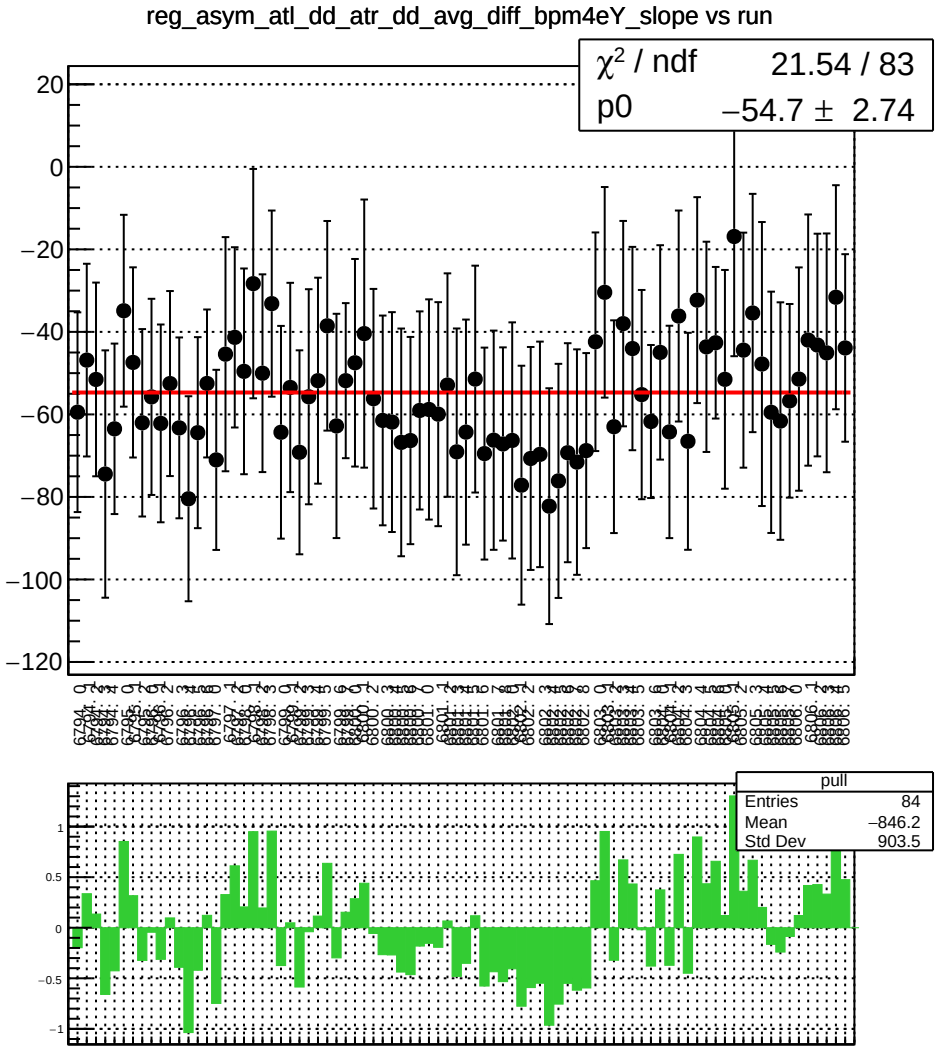

pull1D
Entries 84
Mean 0.02102
Std Dev 0.7859
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

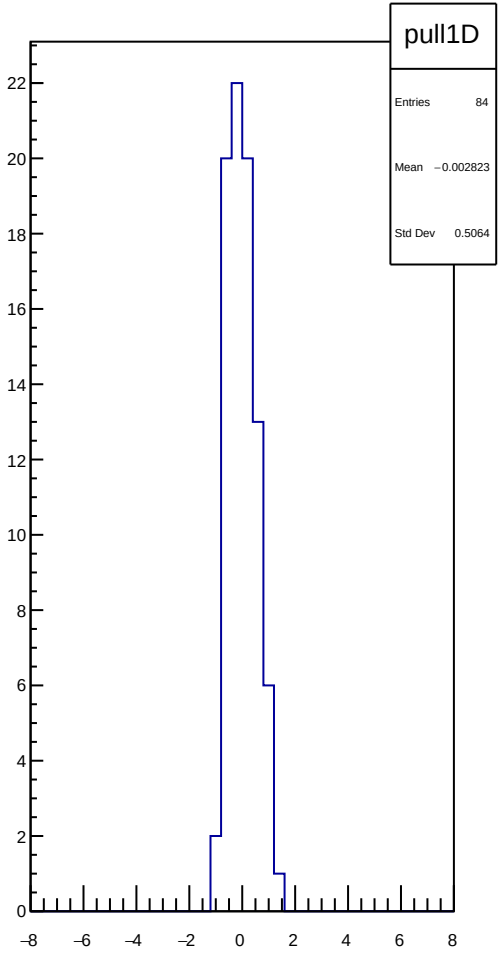

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 50.37 / 83
p0 233 ± 4.04
pull
Entries 84
Mean −233.9
Std Dev 310.4
pull1D
Entries 84
Mean −0.0114
Std Dev 0.7743

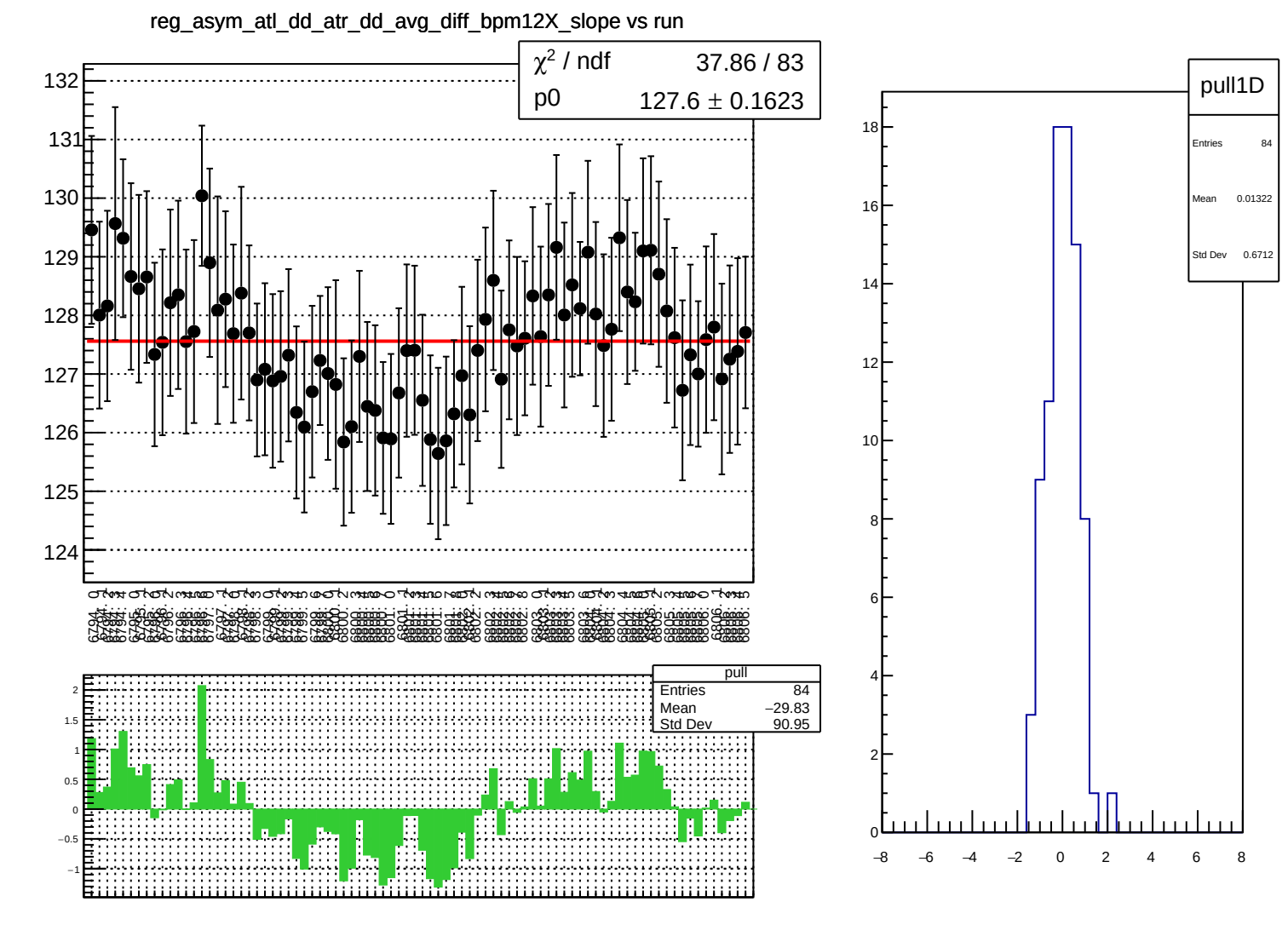

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 20.49 / 83
p0 −9.715 ± 1.958
pull
Entries 84
Mean 1088
Std Dev 1032
pull1D
Entries 84
Mean −0.002274
Std Dev 0.4939

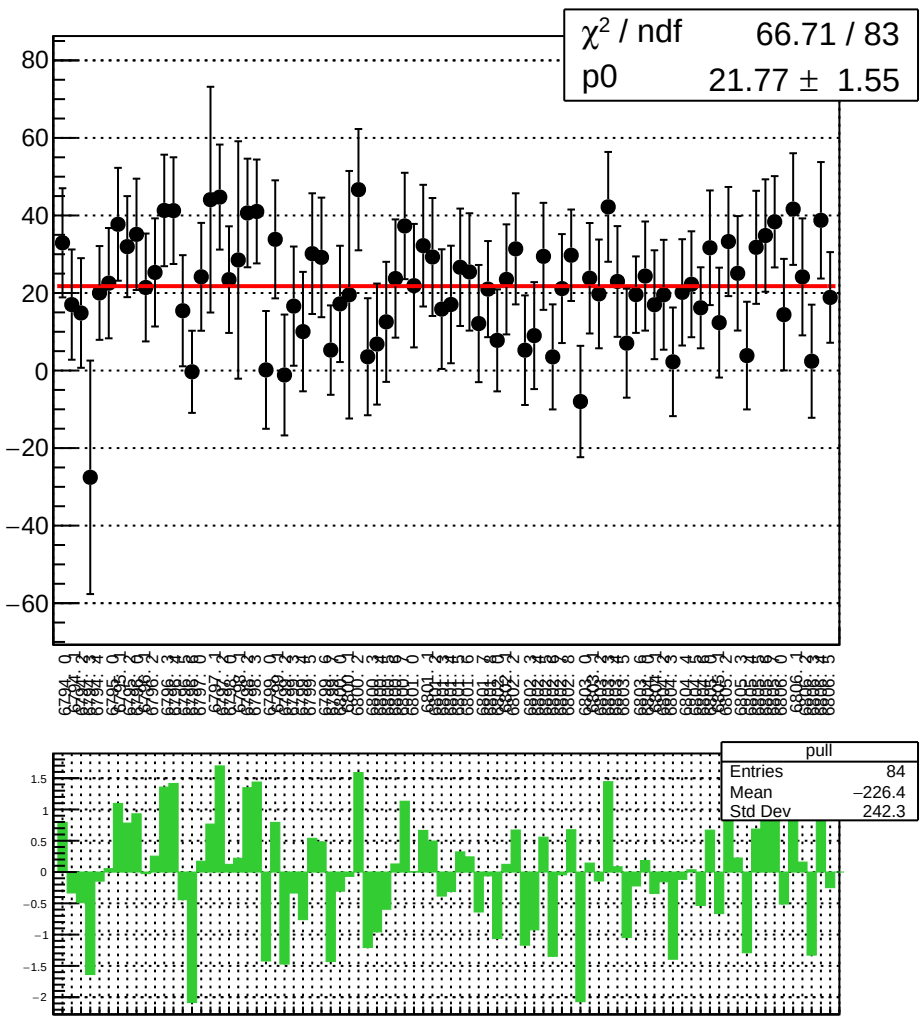

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 50.34 / 83
p0 −232.8 ± 3.786
pull
Entries 84
Mean −207.8
Std Dev 285.7

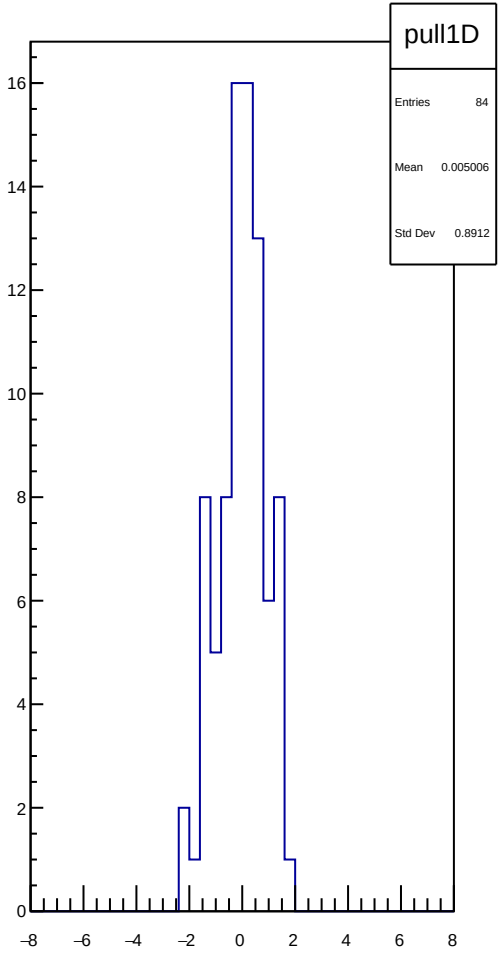

pull1D
Entries 84
Mean 0.01209
Std Dev 0.774

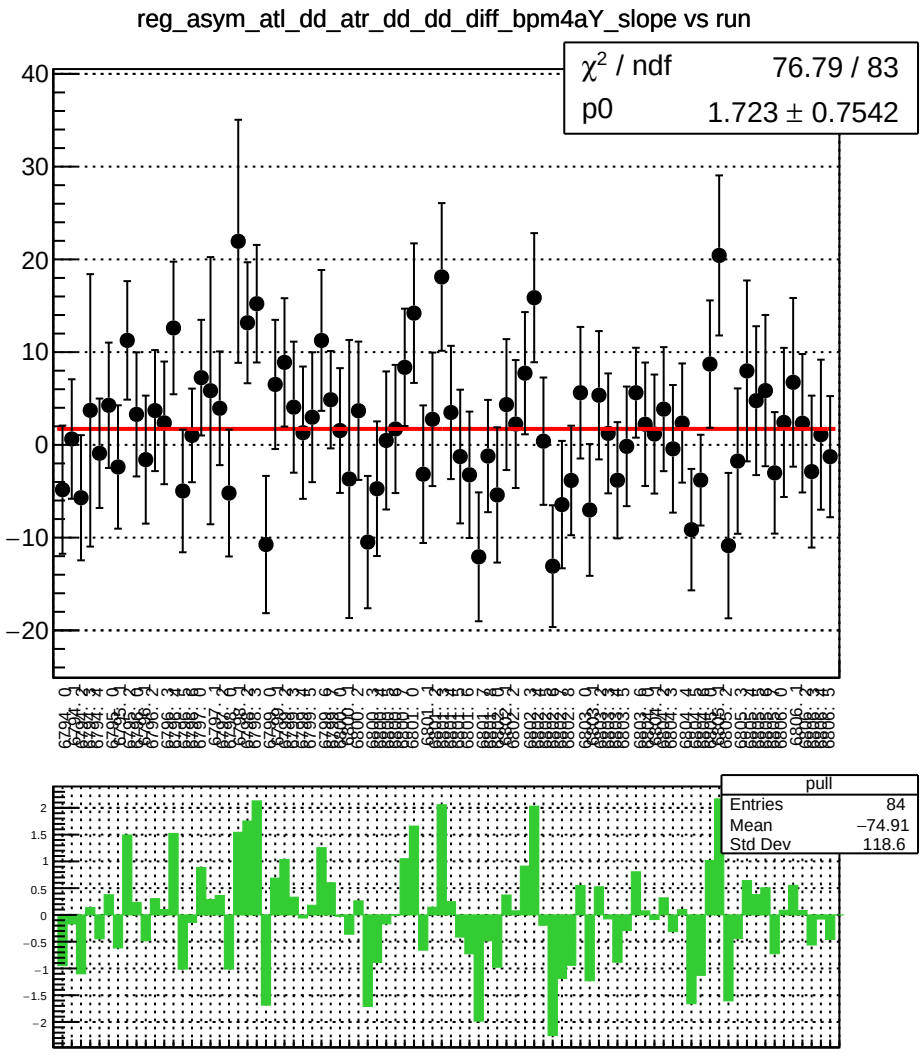

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 21.54 / 83
p0 −54.7 ± 2.74
pull
Entries 84
Mean −846.2
Std Dev 903.5

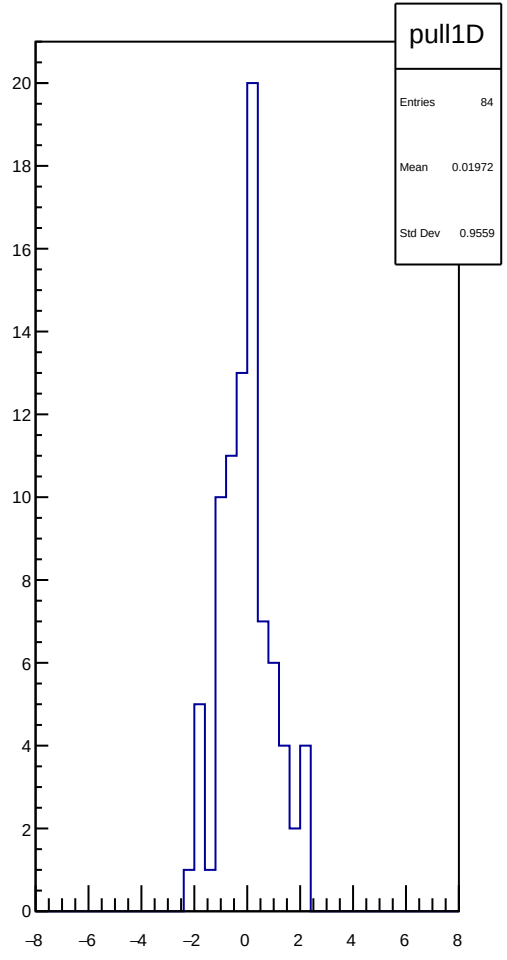

pull1D
Entries 84
Mean −0.002823
Std Dev 0.5064

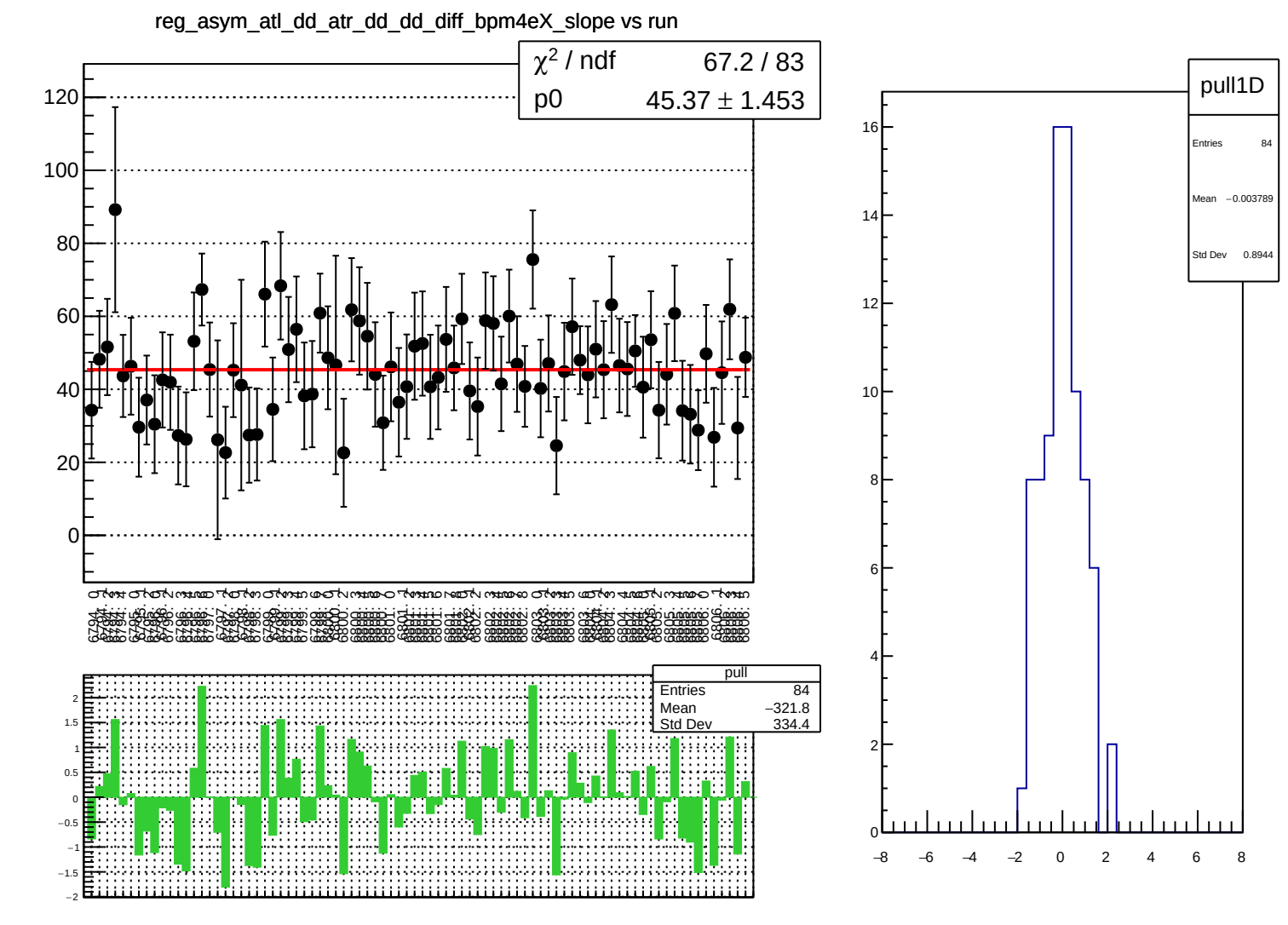

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 37.86 / 83
p0 127.6 ± 0.1623
pull
Entries 84
Mean −29.83
Std Dev 90.95
pull1D
Entries 84
Mean 0.01322
Std Dev 0.6712

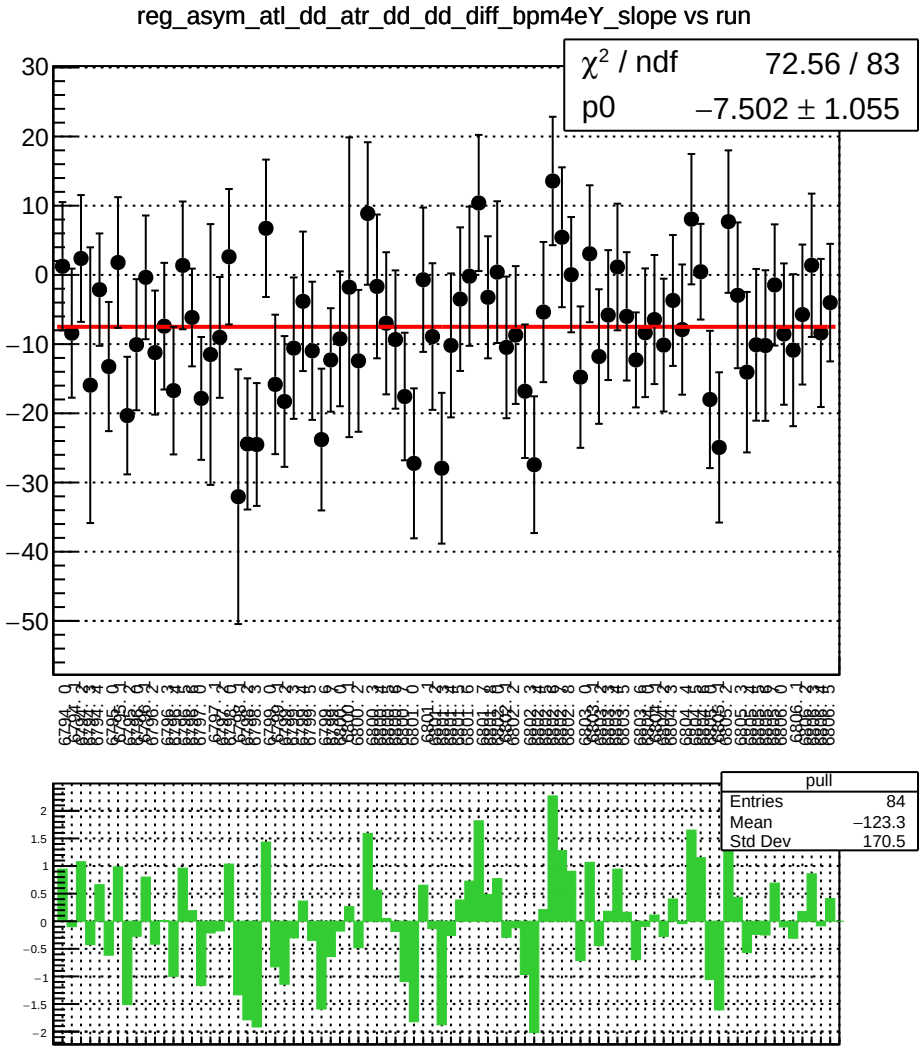

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 66.71 / 83
p0 21.77 ± 1.55
pull
Entries 84
Mean −226.4
Std Dev 242.3

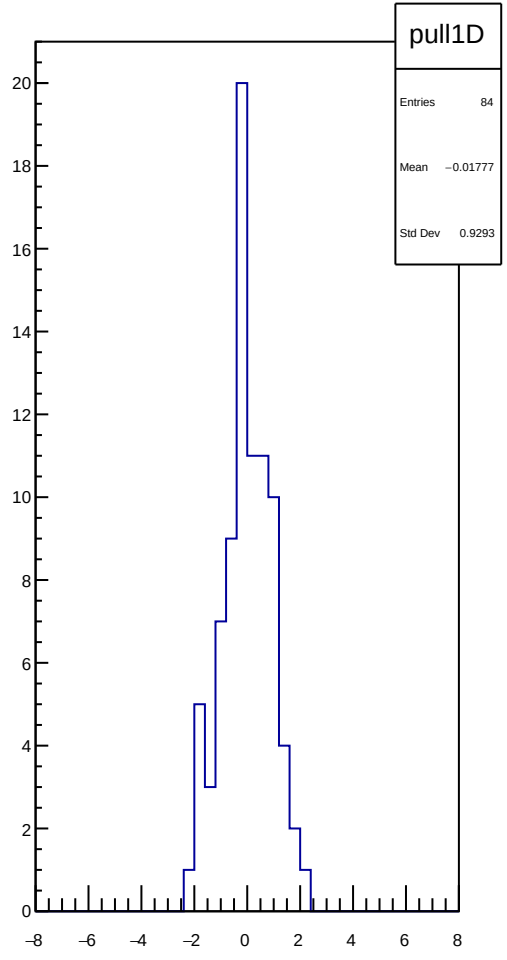

pull1D
Entries 84
Mean 0.005006
Std Dev 0.8912

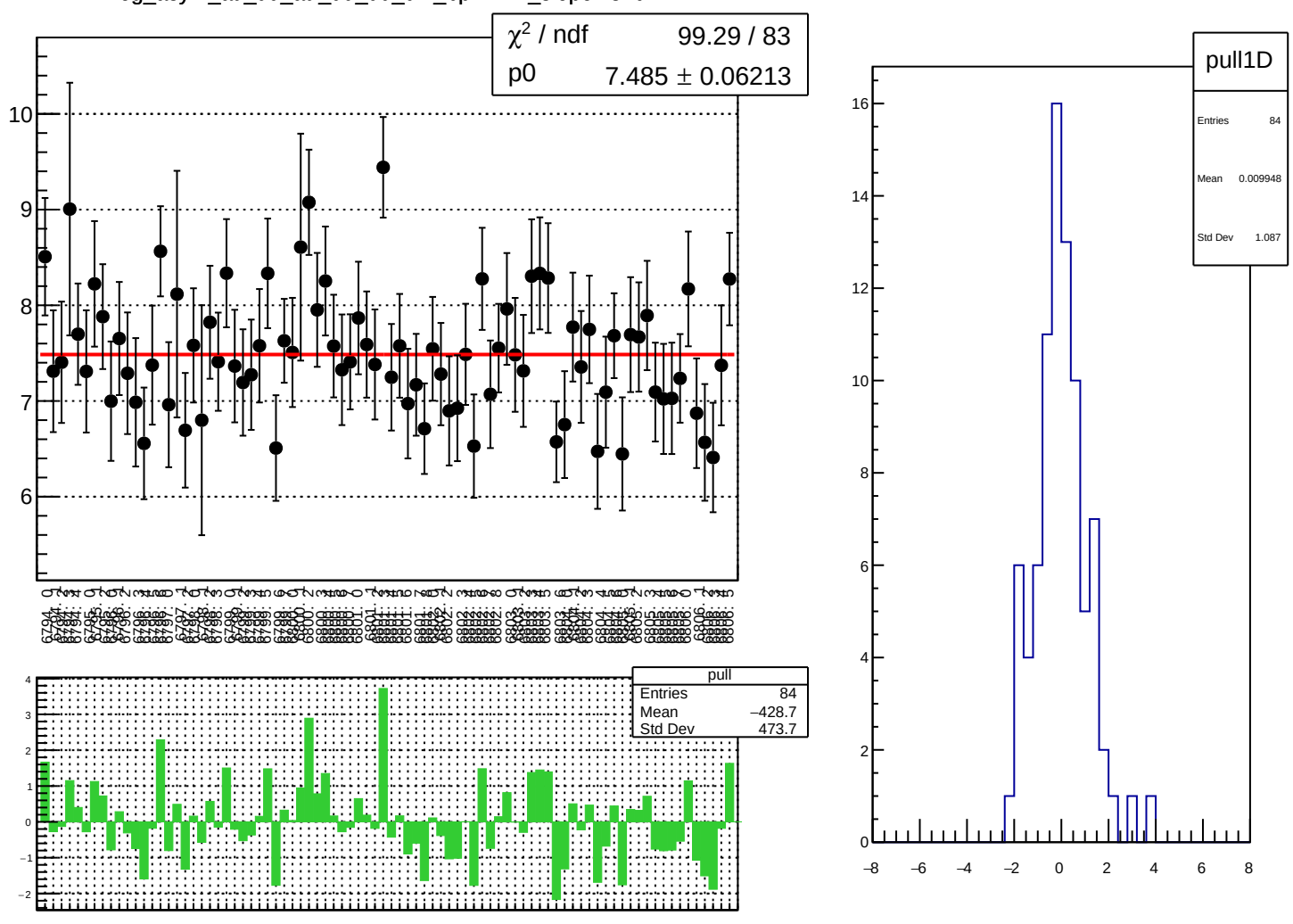

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 76.79 / 83
p0 1.723 ± 0.7542
pull
Entries 84
Mean −74.91
Std Dev 118.6

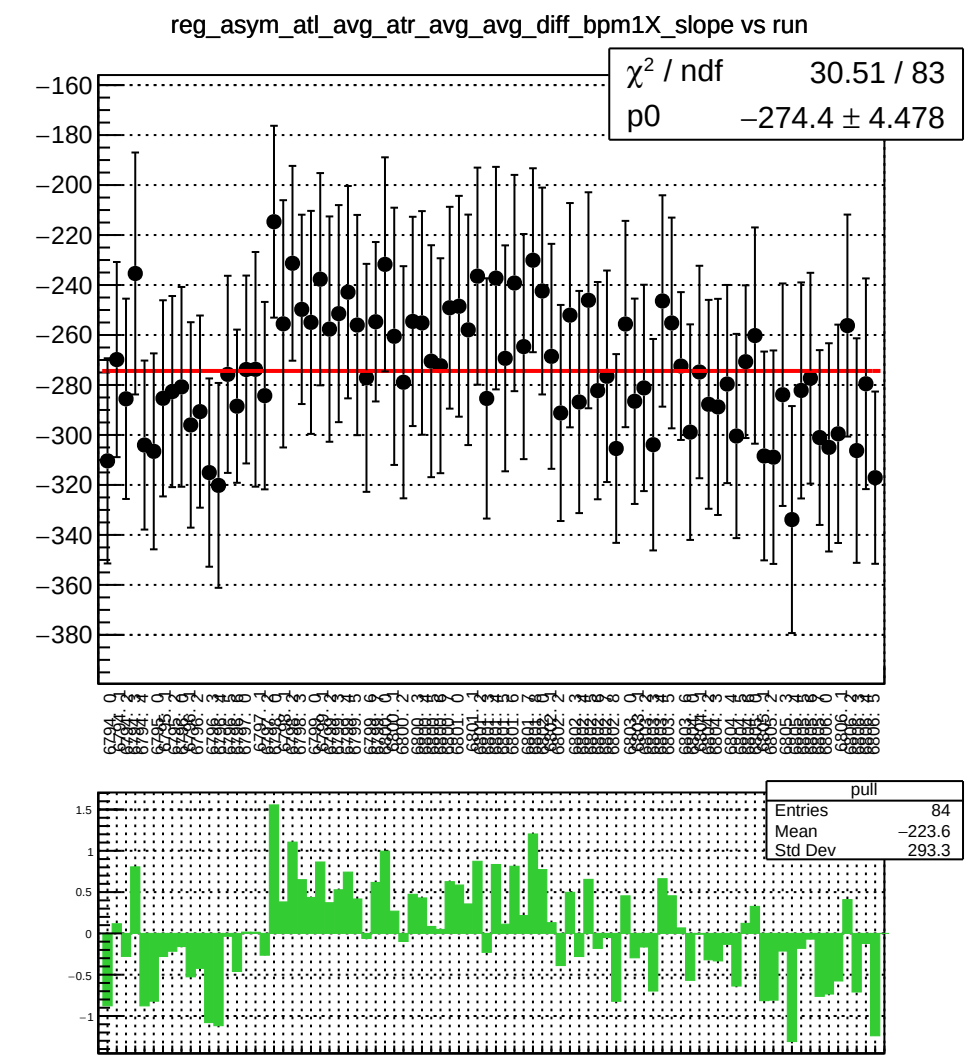

pull1D
Entries 84
Mean 0.01972
Std Dev 0.9559

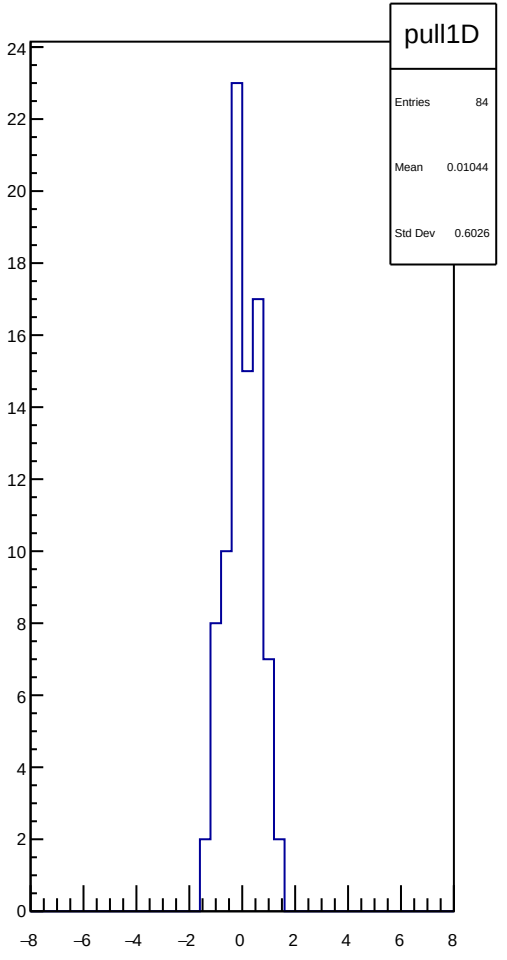

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 67.2 / 83
p0 45.37 ± 1.453
pull
Entries 84
Mean −321.8
Std Dev 334.4
pull1D
Entries 84
Mean −0.003789
Std Dev 0.8944

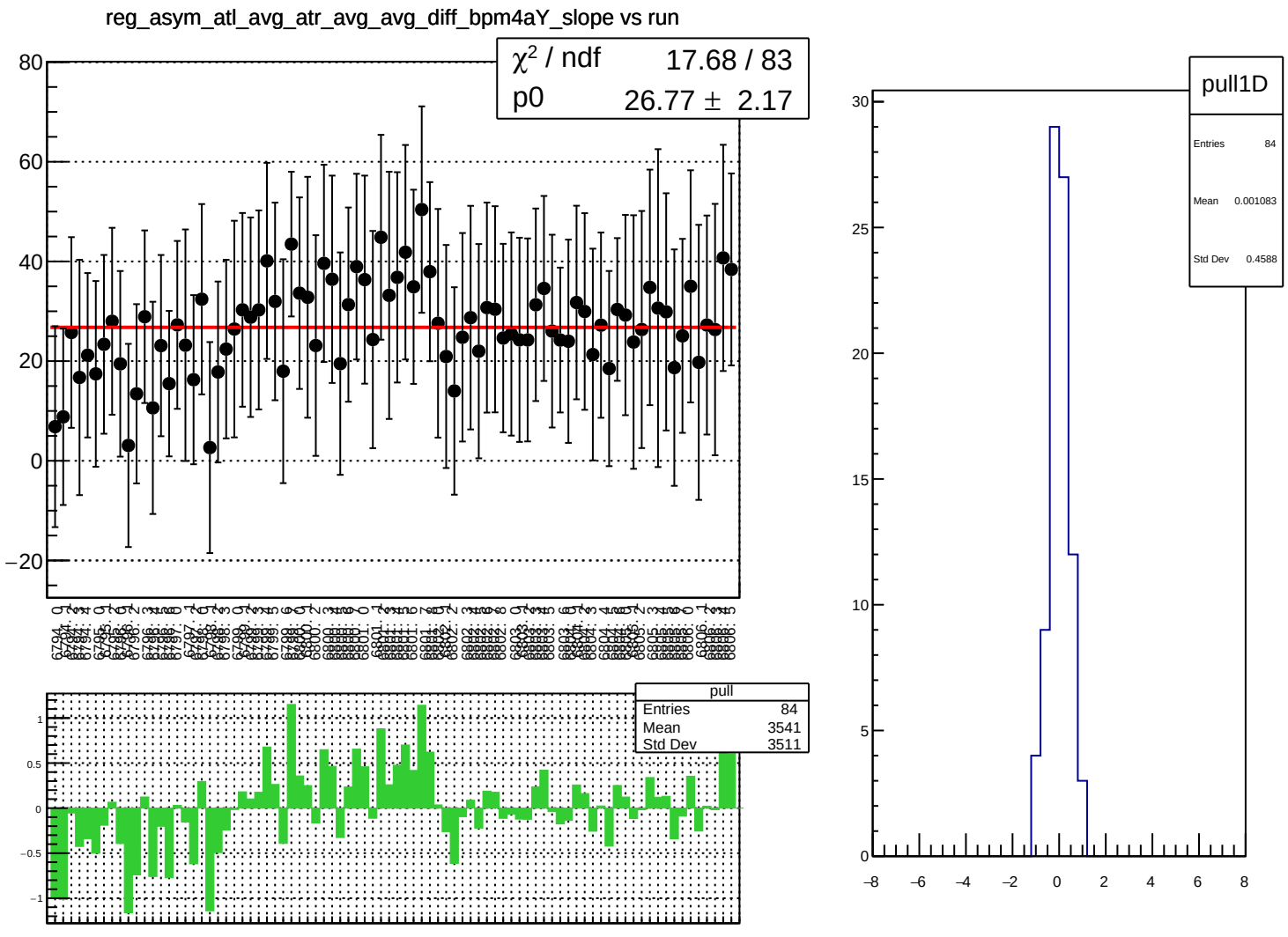

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 72.56 / 83
p0 −7.502 ± 1.055
pull
Entries 84
Mean −123.3
Std Dev 170.5

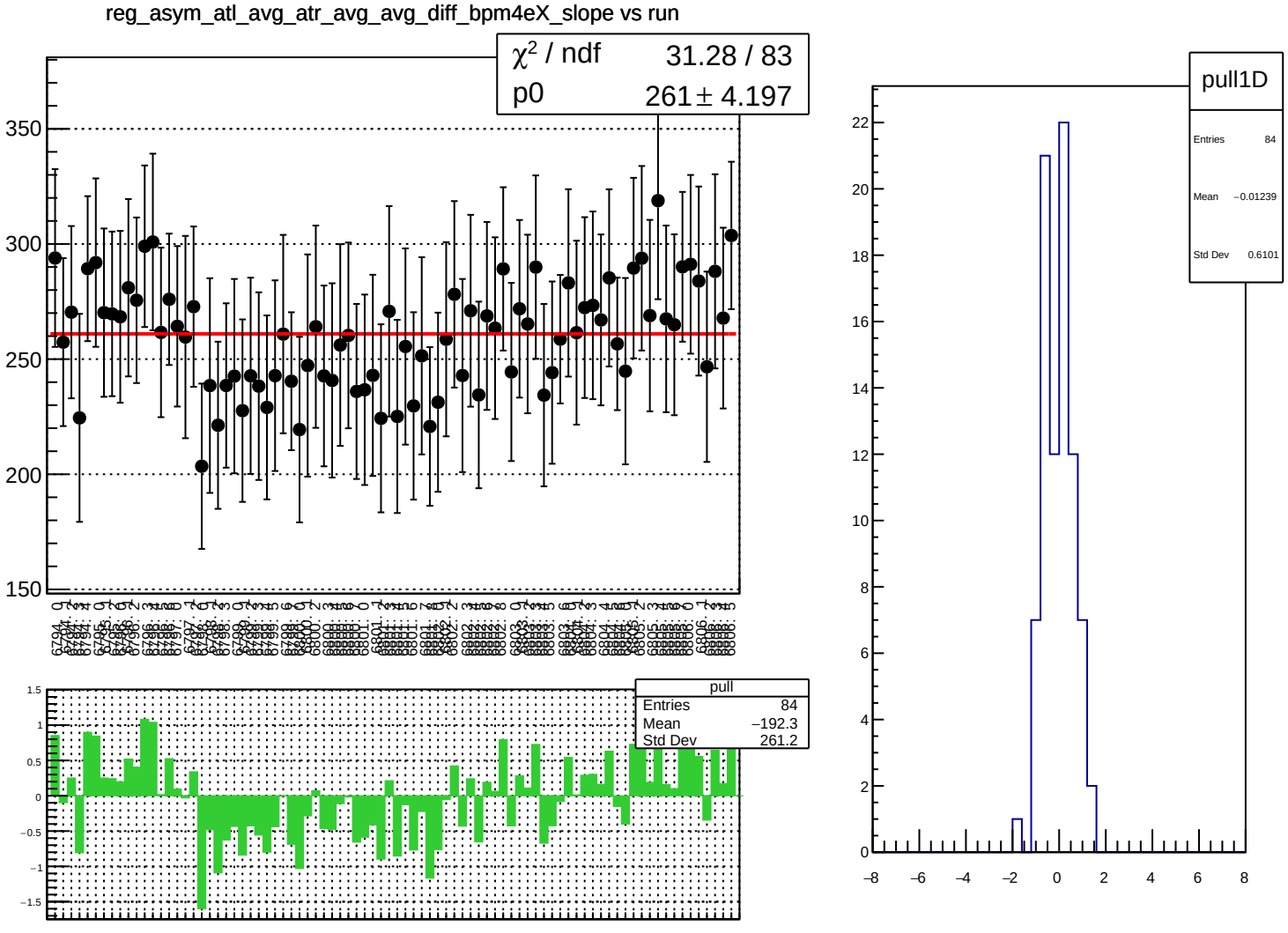

pull1D
Entries 84
Mean −0.01777
Std Dev 0.9293

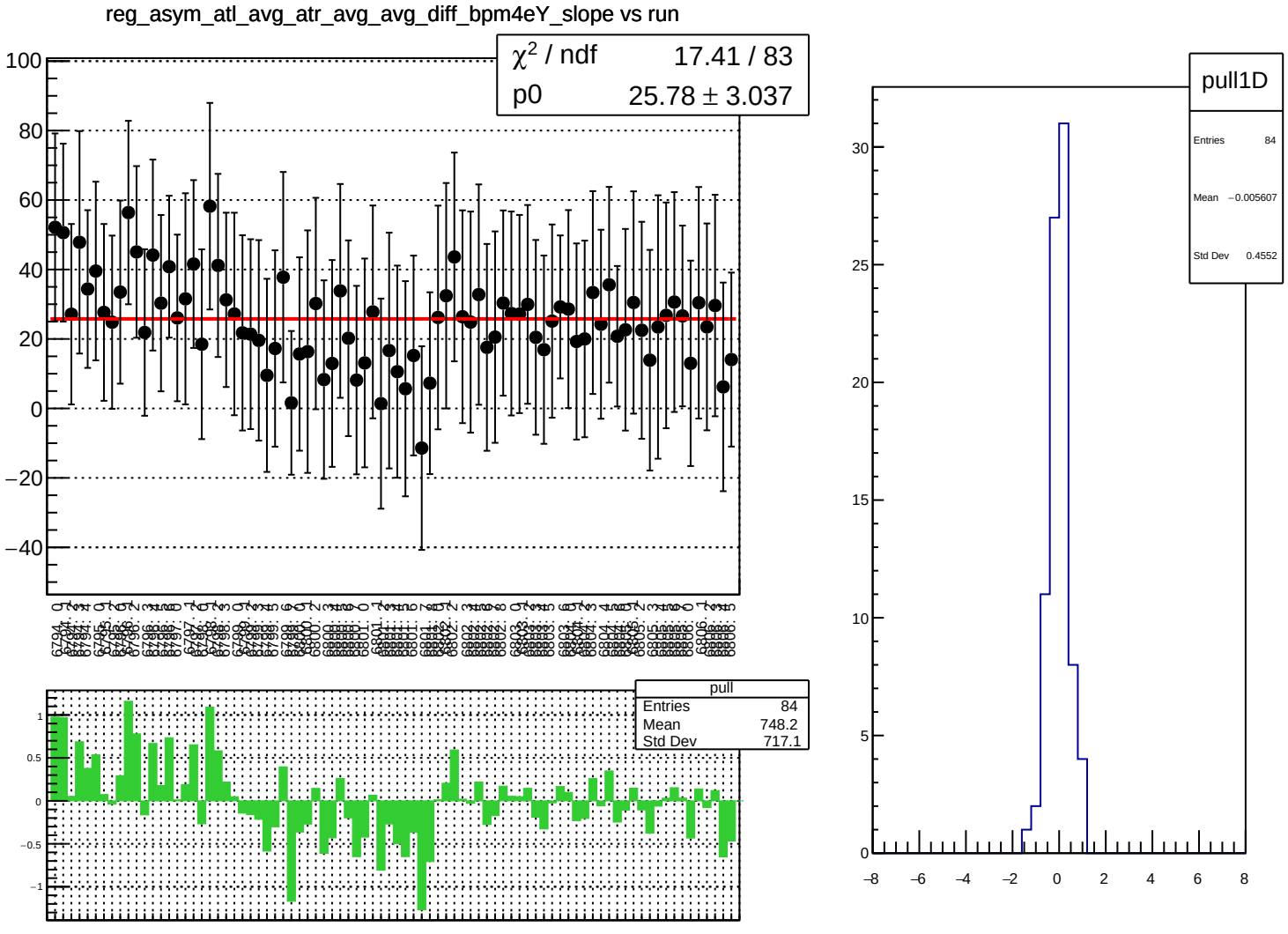

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 99.29 / 83
p0 7.485 ± 0.06213
pull
Entries 84
Mean −428.7
Std Dev 473.7
pull1D
Entries 84
Mean 0.009948
Std Dev 1.087

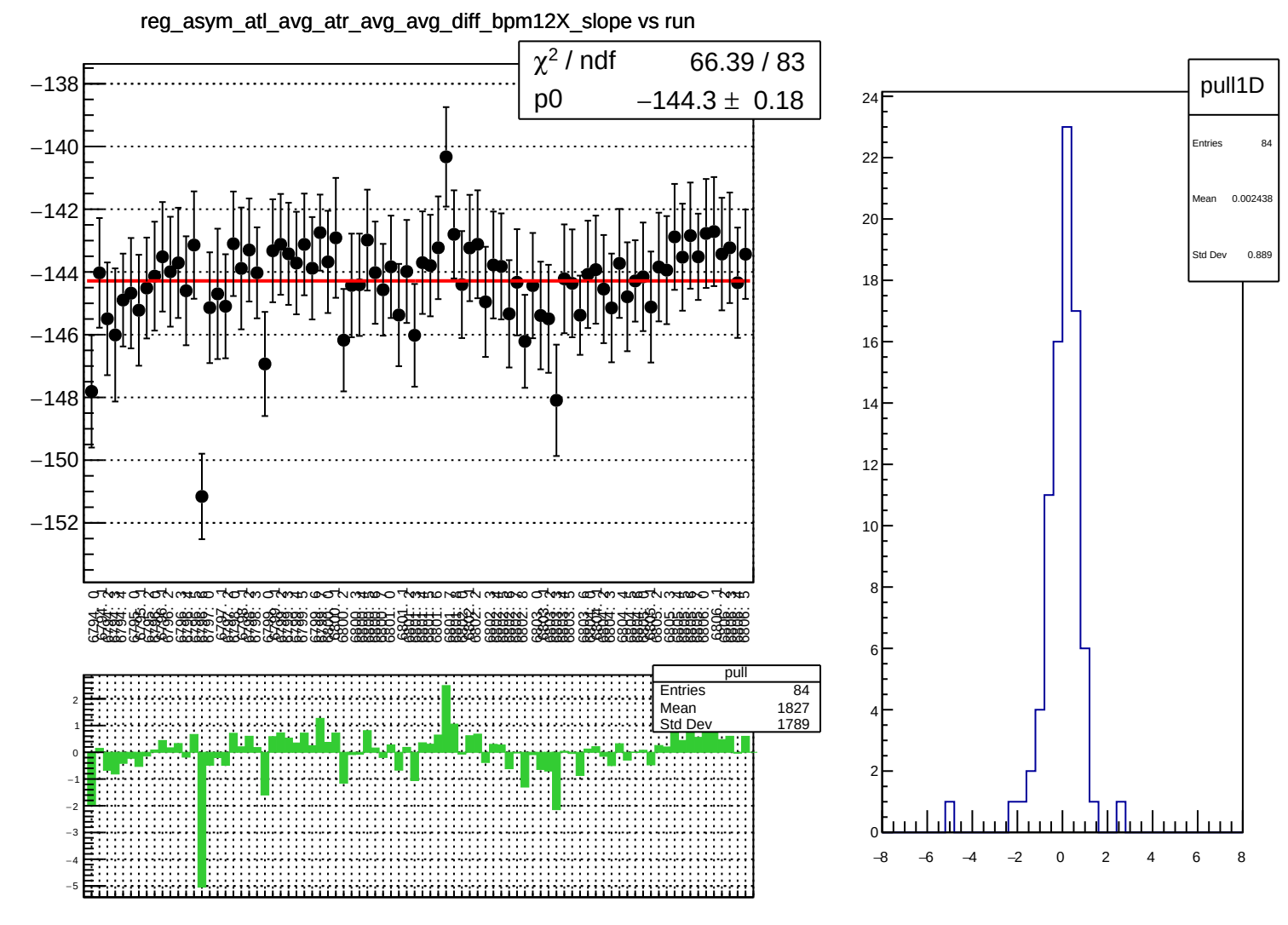

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 30.51 / 83
p0 −274.4 ± 4.478
pull
Entries 84
Mean −223.6
Std Dev 293.3

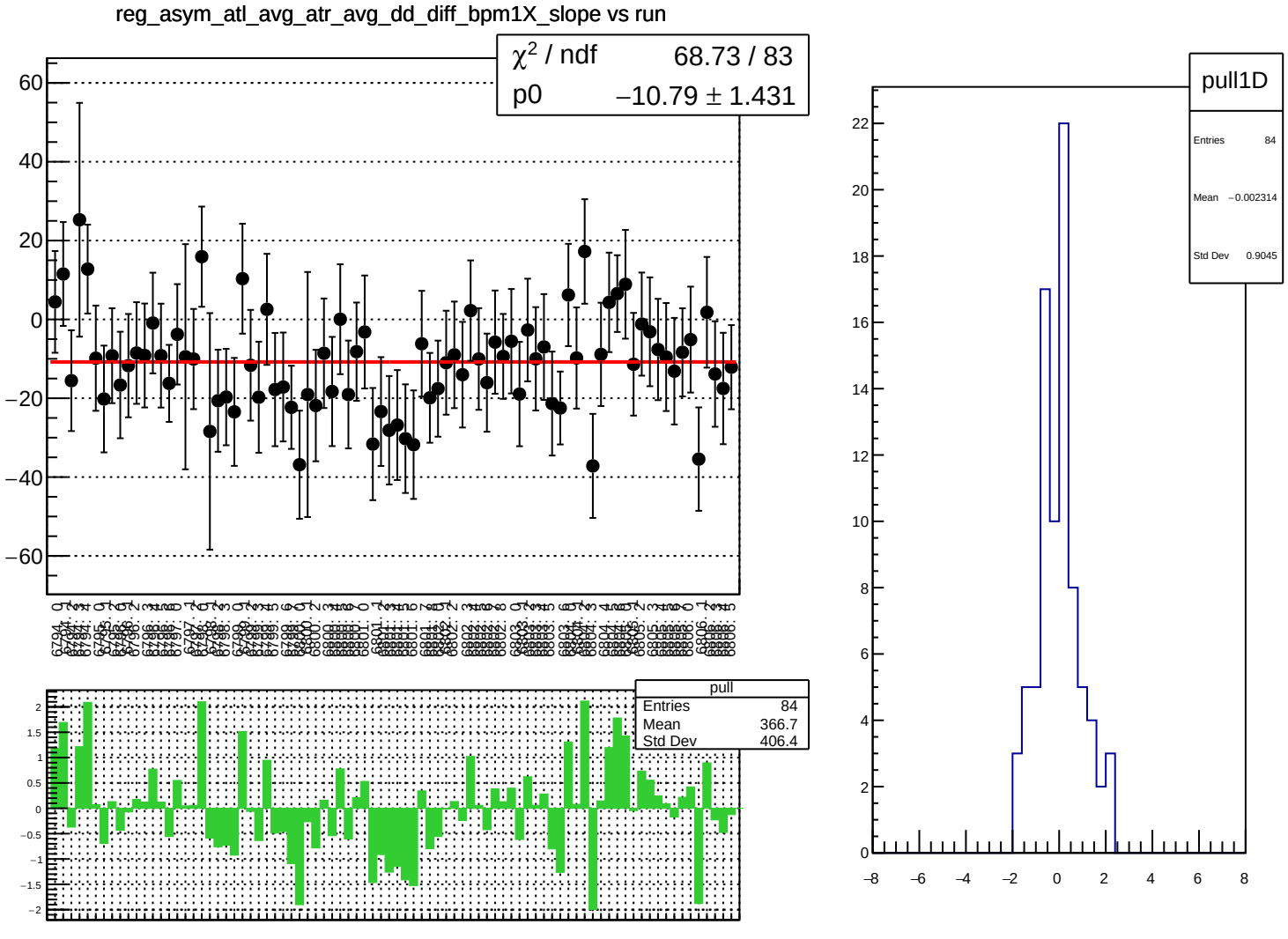

pull1D
Entries 84
Mean 0.01044
Std Dev 0.6026

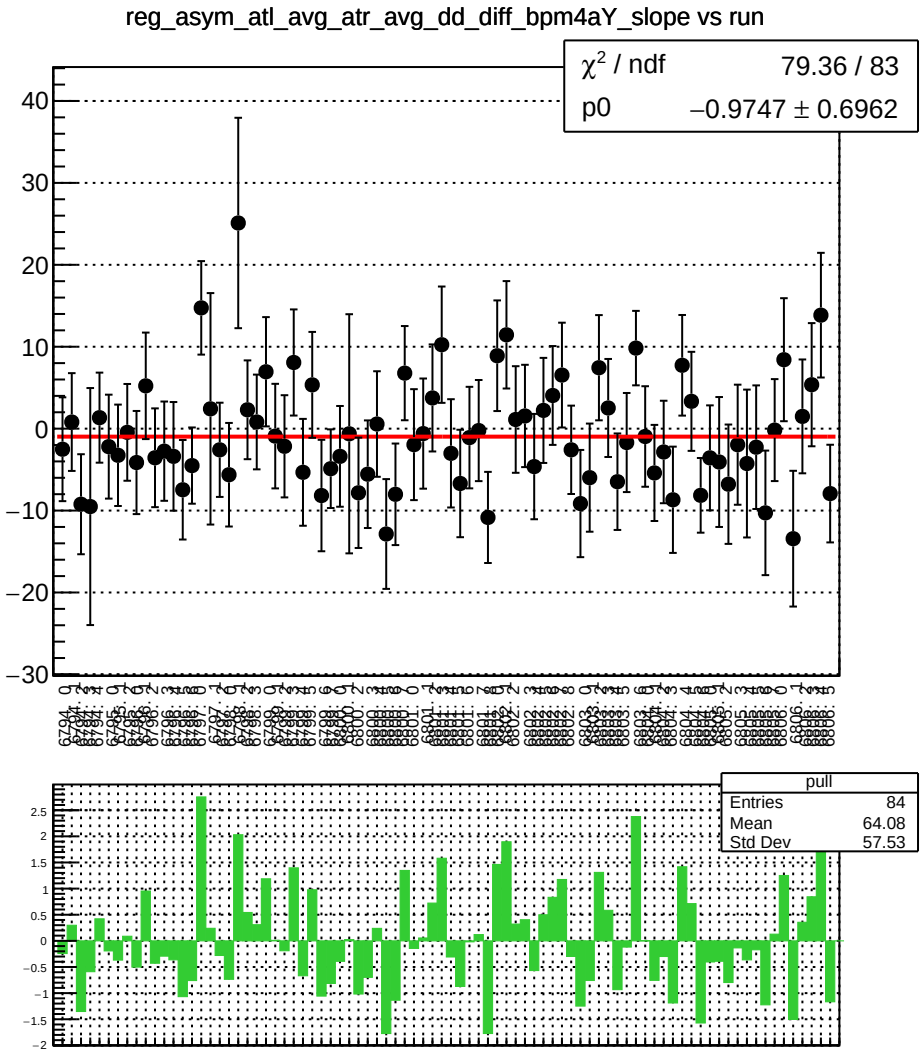

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 17.68 / 83
p0 26.77 ± 2.17
pull
Entries 84
Mean 3541
Std Dev 3511
pull1D
Entries 84
Mean 0.001083
Std Dev 0.4588

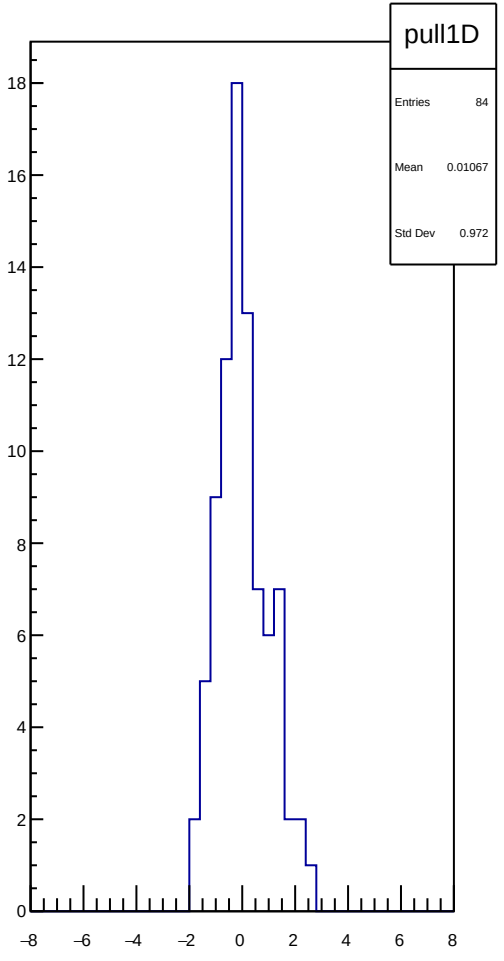

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 31.28 / 83
p0 261 ± 4.197
pull
Entries 84
Mean −192.3
Std Dev 261.2
pull1D
Entries 84
Mean −0.01239
Std Dev 0.6101

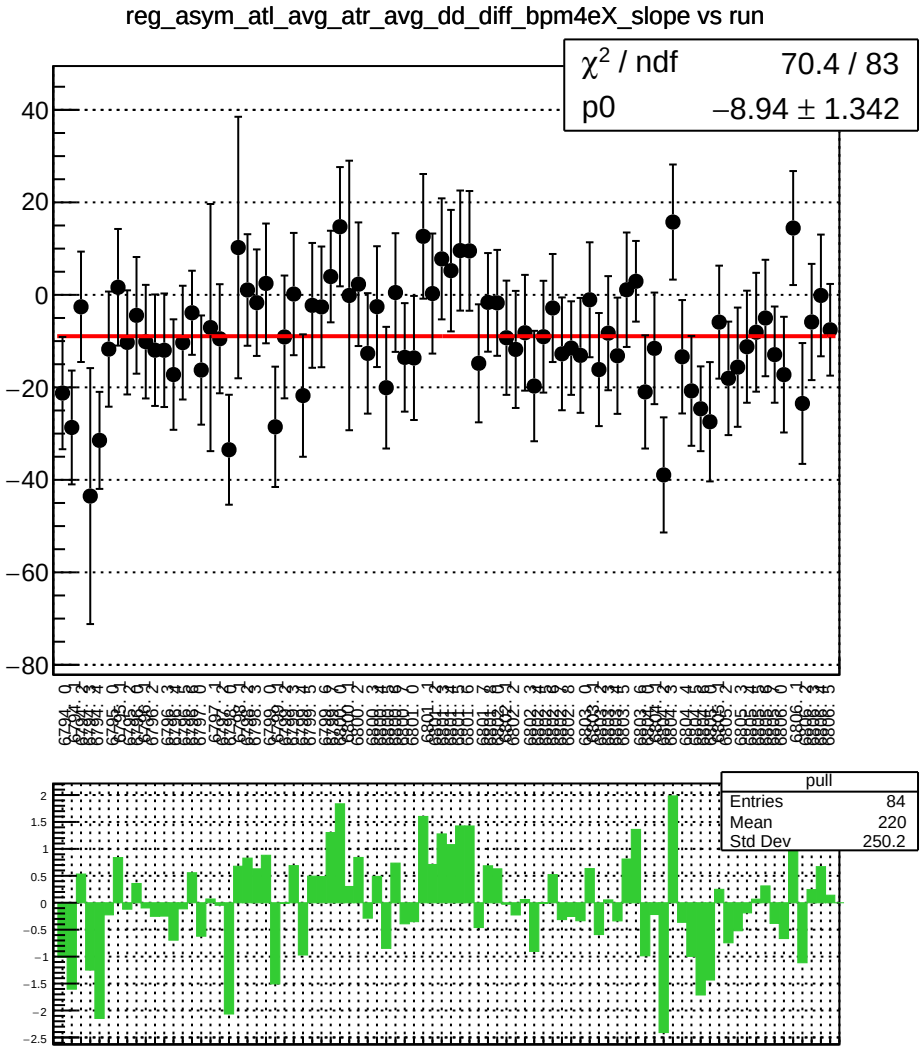

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 17.41 / 83
p0 25.78 ± 3.037
pull
Entries 84
Mean 748.2
Std Dev 717.1
pull1D
Entries 84
Mean −0.005607
Std Dev 0.4552

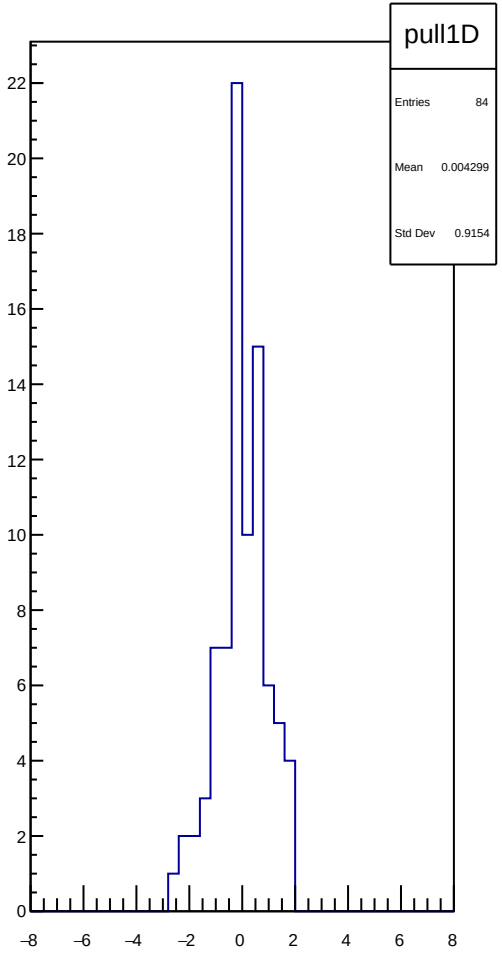

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 66.39 / 83
p0 −144.3 ± 0.18
pull
Entries 84
Mean 1827
Std Dev 1789
pull1D
Entries 84
Mean 0.002438
Std Dev 0.889

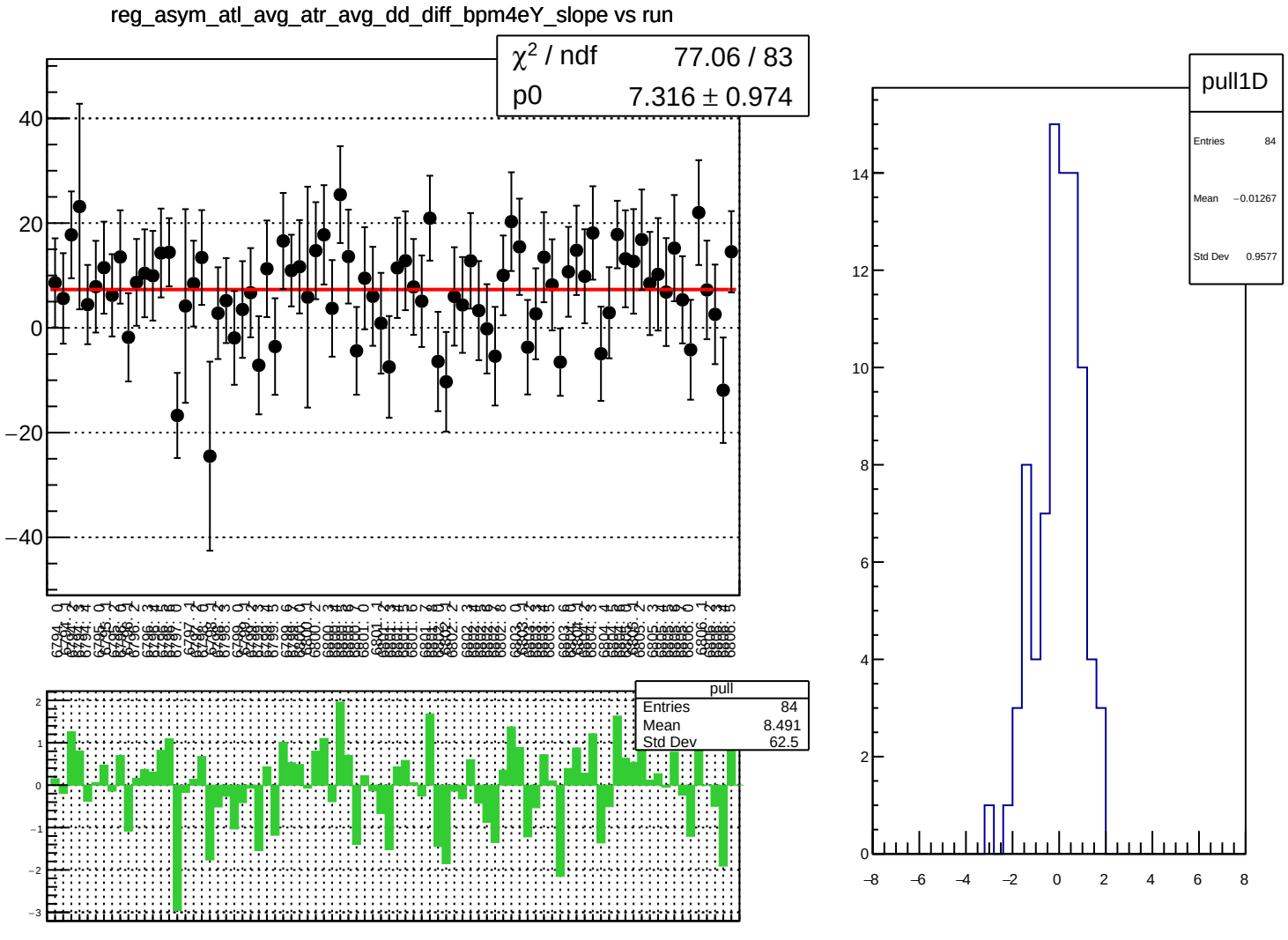

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 68.73 / 83
p0 −10.79 ± 1.431
pull
Entries 84
Mean 366.7
Std Dev 406.4
pull1D
Entries 84
Mean −0.002314
Std Dev 0.9045

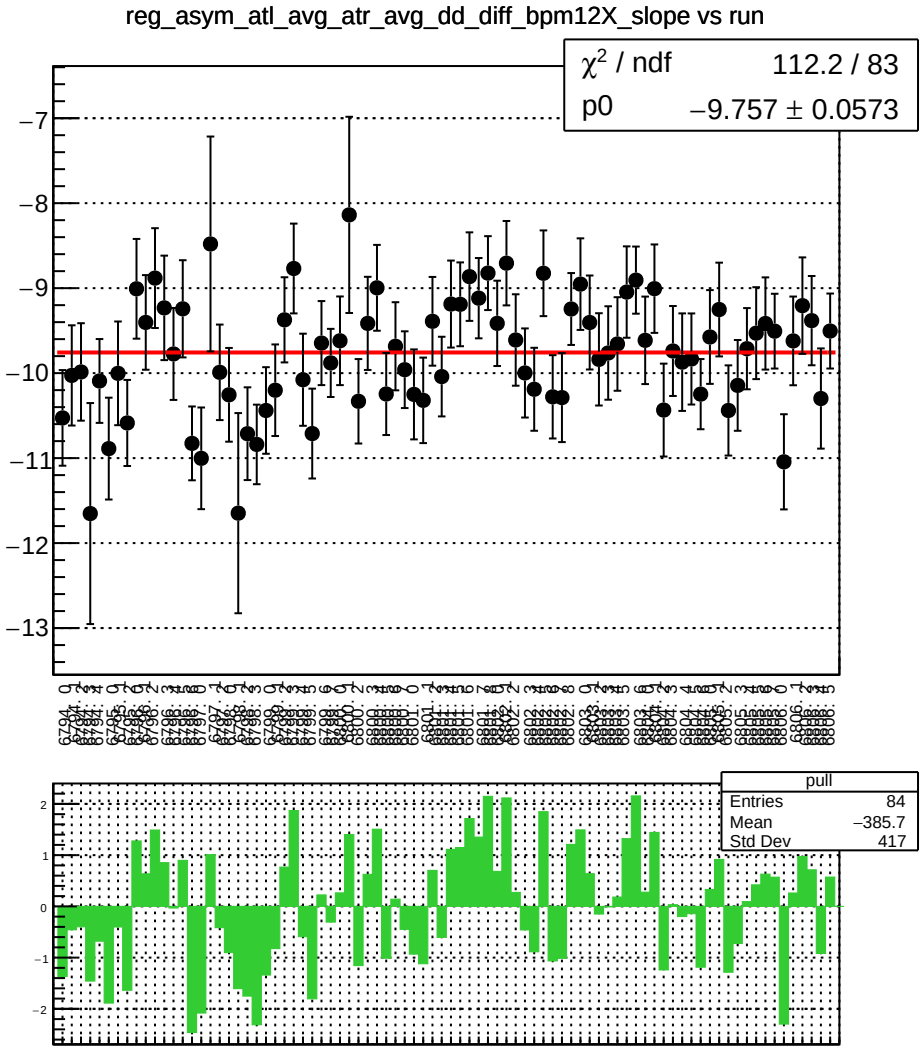

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 79.36 / 83
p0 −0.9747 ± 0.6962
pull
Entries 84
Mean 64.08
Std Dev 57.53

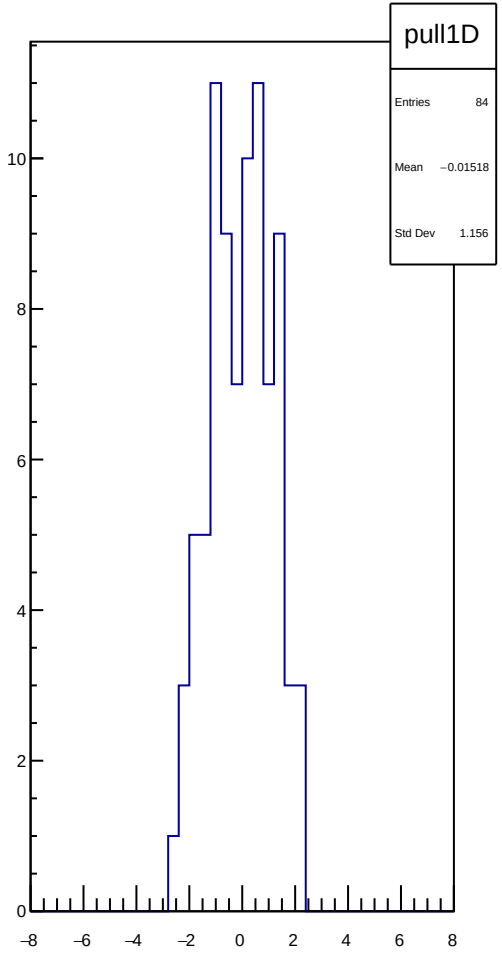

pull1D
Entries 84
Mean 0.01067
Std Dev 0.972

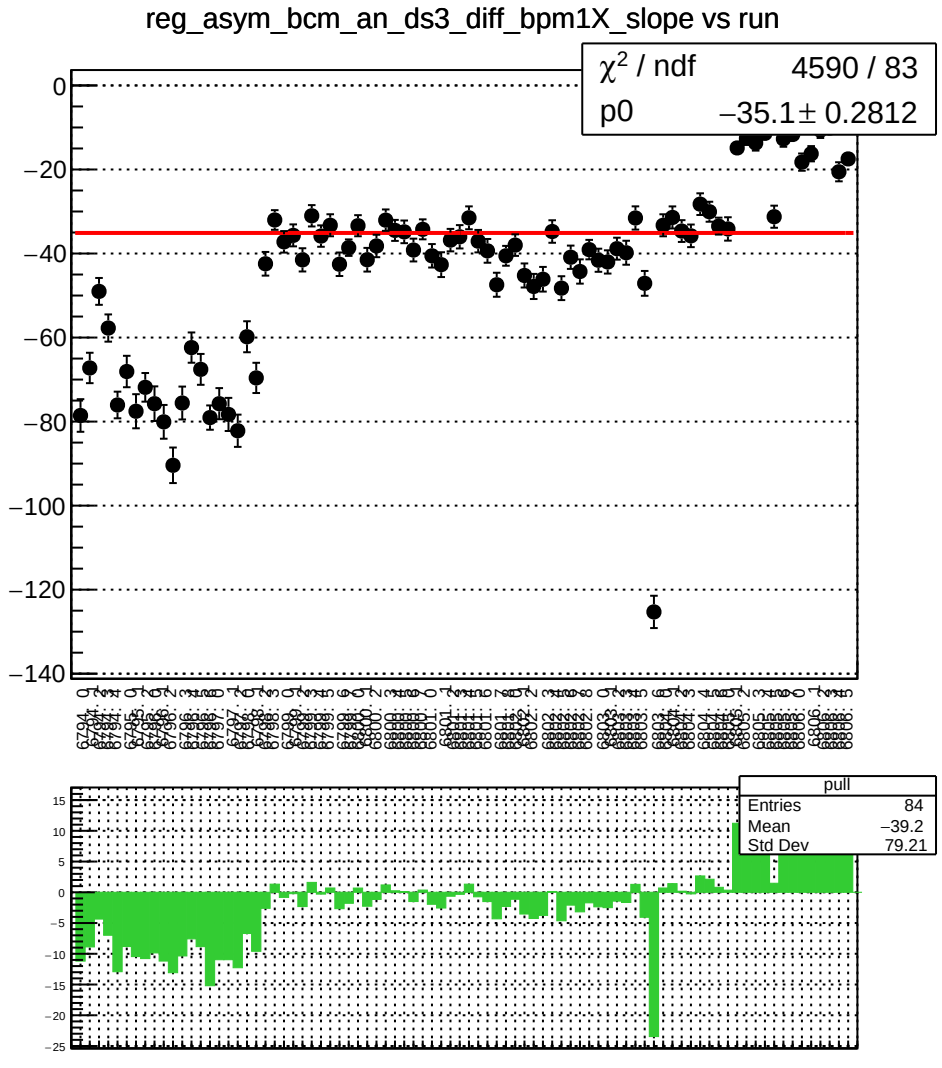

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 70.4 / 83
p0 −8.94 ± 1.342
pull
Entries 84
Mean 220
Std Dev 250.2

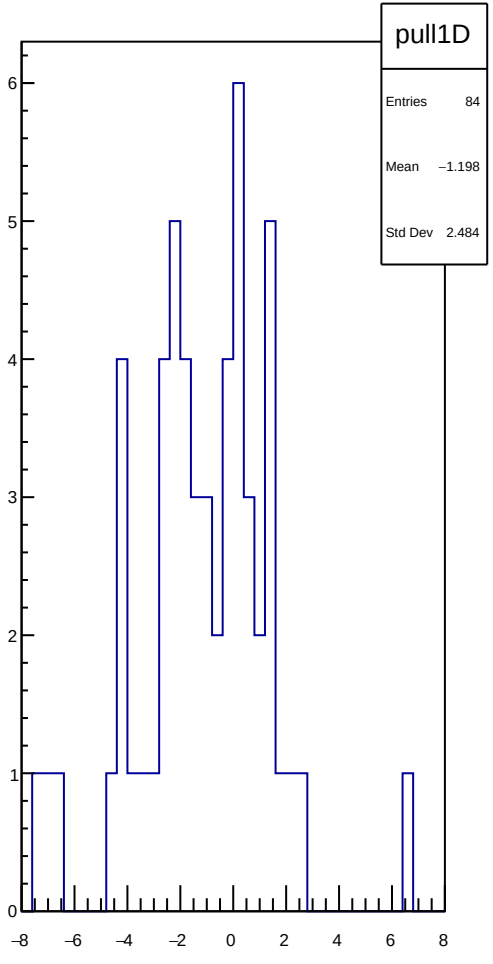

pull1D
Entries 84
Mean 0.004299
Std Dev 0.9154

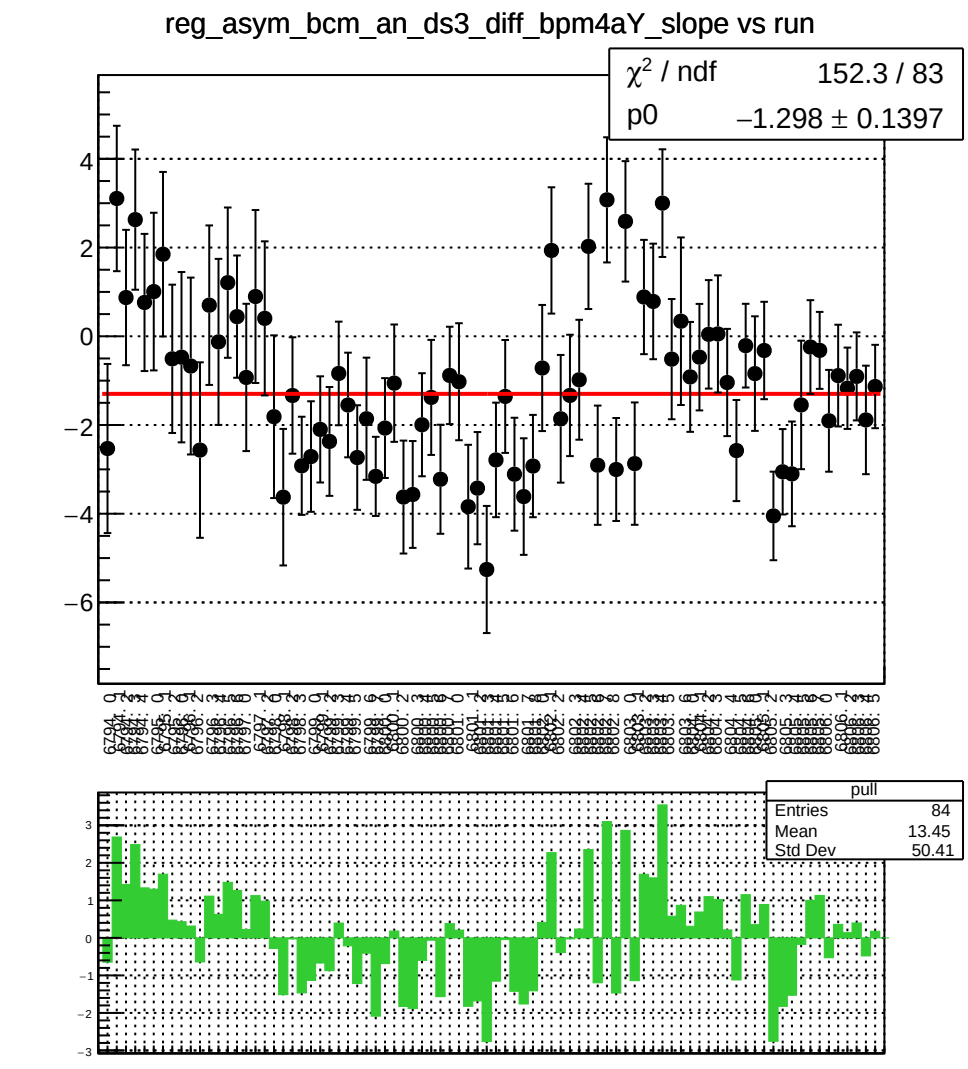

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 77.06 / 83
p0 7.316 ± 0.974
pull
Entries 84
Mean 8.491
Std Dev 62.5
pull1D
Entries 84
Mean −0.01267
Std Dev 0.9577

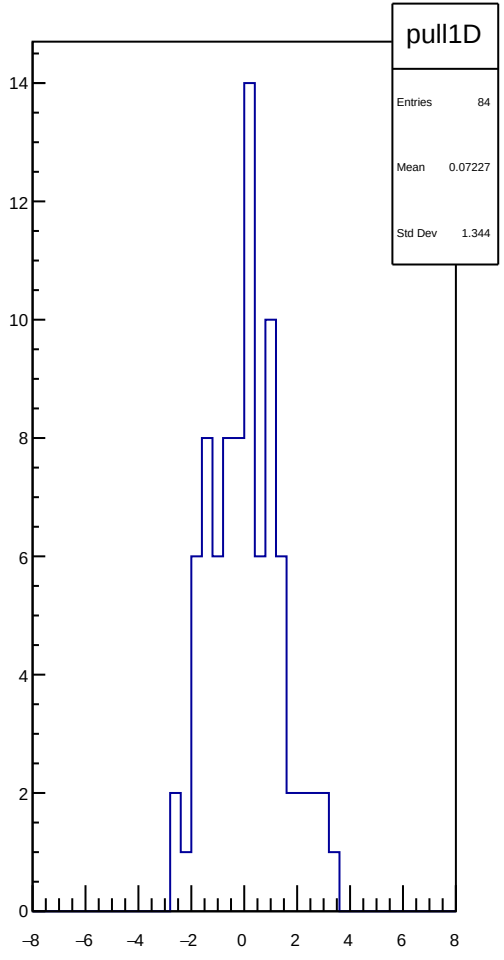

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 112.2 / 83
p0 −9.757 ± 0.0573
pull
Entries 84
Mean −385.7
Std Dev 417

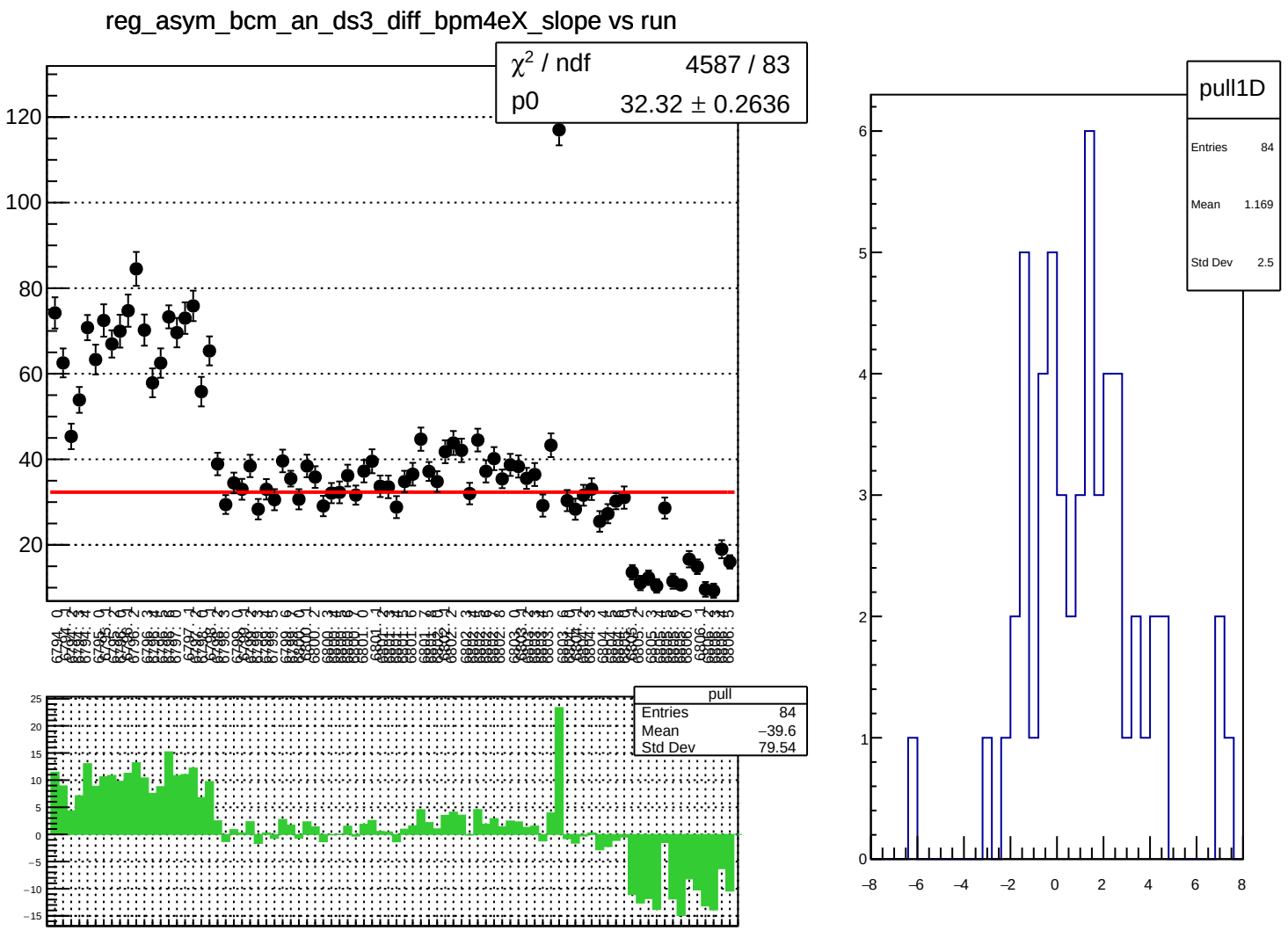

pull1D
Entries 84
Mean −0.01518
Std Dev 1.156

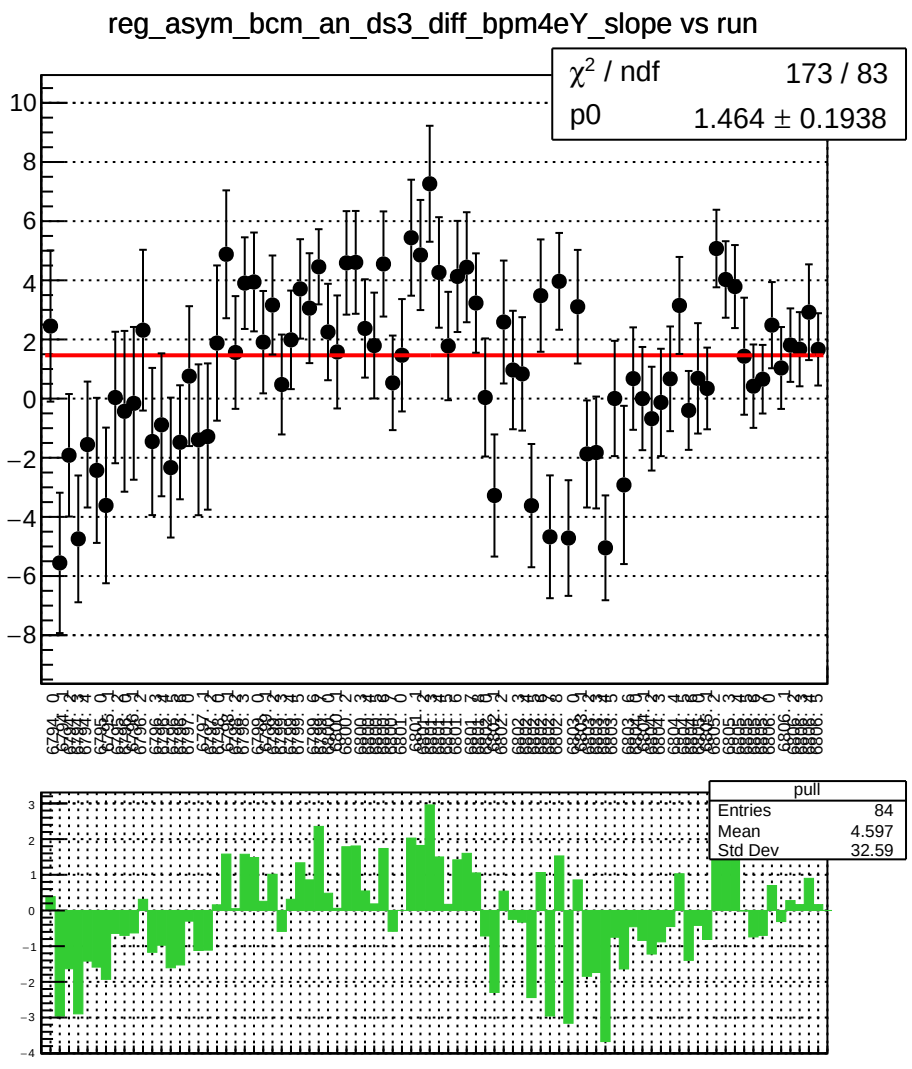

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 4590 / 83
p0 −35.1 ± 0.2812
pull
Entries 84
Mean −39.2
Std Dev 79.21

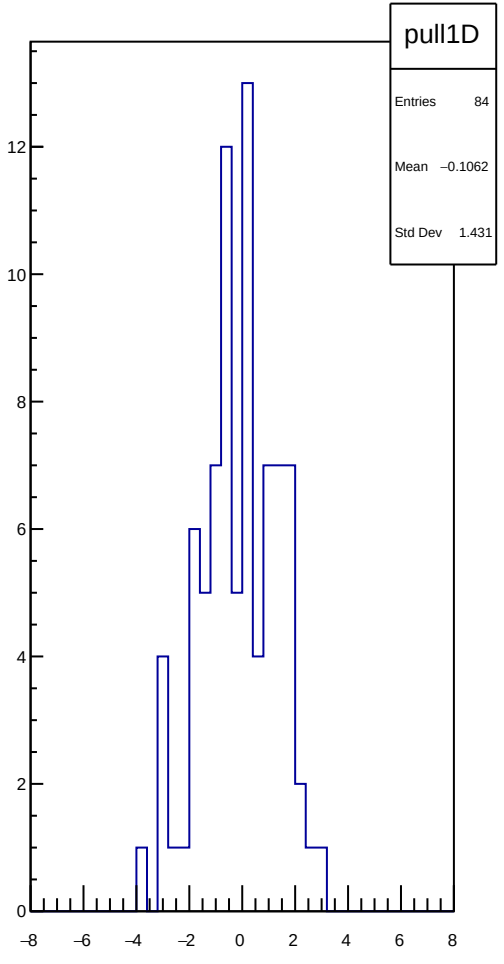

pull1D
Entries 84
Mean −1.198
Std Dev 2.484

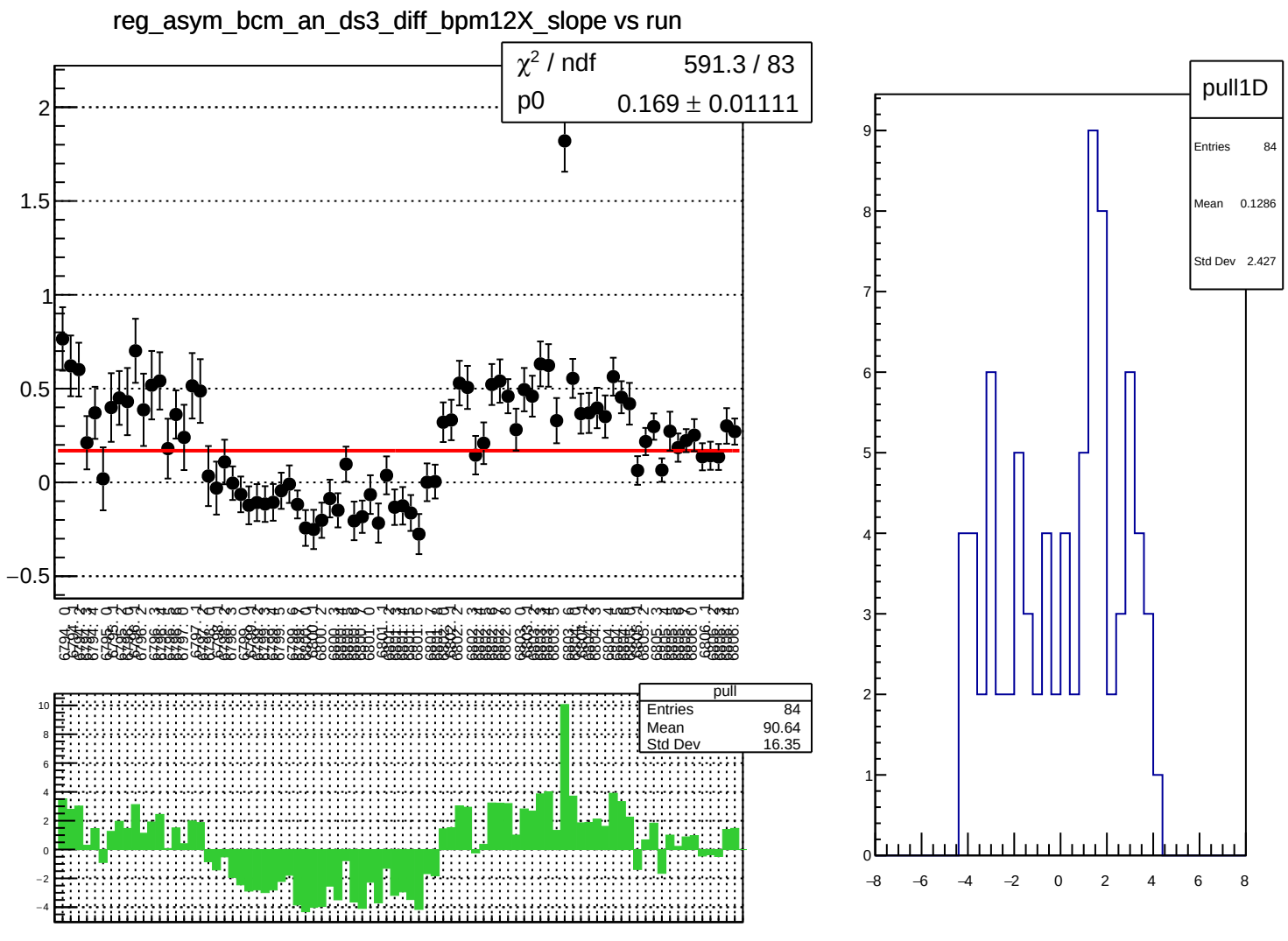

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 152.3 / 83
p0 −1.298 ± 0.1397
pull
Entries 84
Mean 13.45
Std Dev 50.41

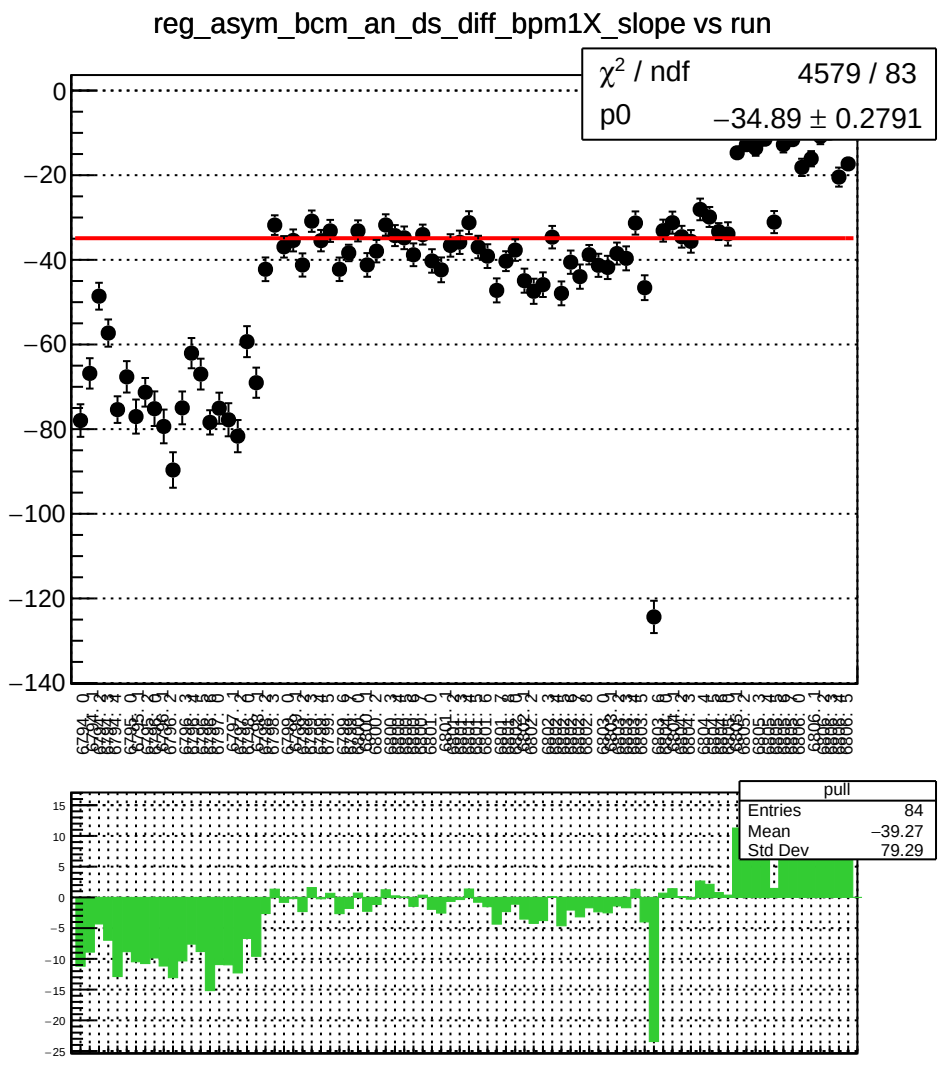

pull1D
Entries 84
Mean 0.07227
Std Dev 1.344

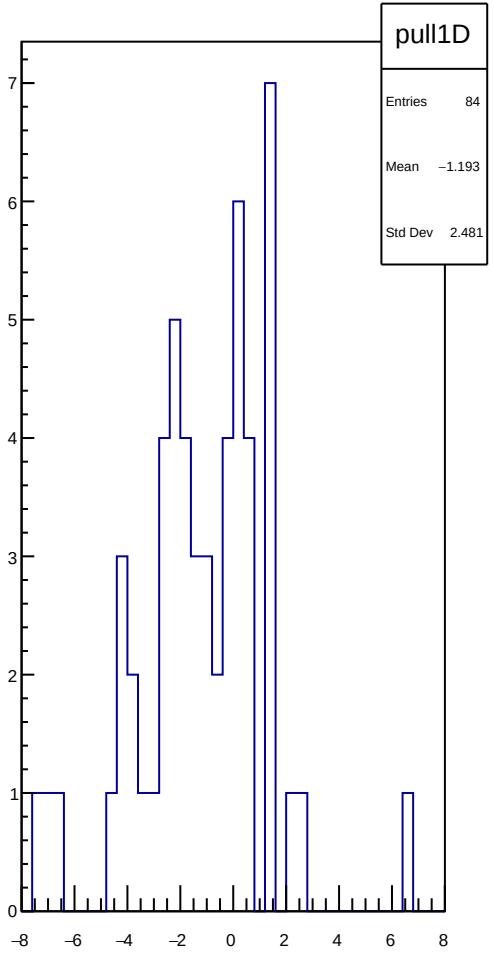

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 4587 / 83
p0 32.32 ± 0.2636
120
100
80
60
40
20
pull
Entries 84
Mean −39.6
Std Dev 79.54
25
20
15
10
5
0
−5
−10
−15
pull1D
Entries 84
Mean 1.169
Std Dev 2.5
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

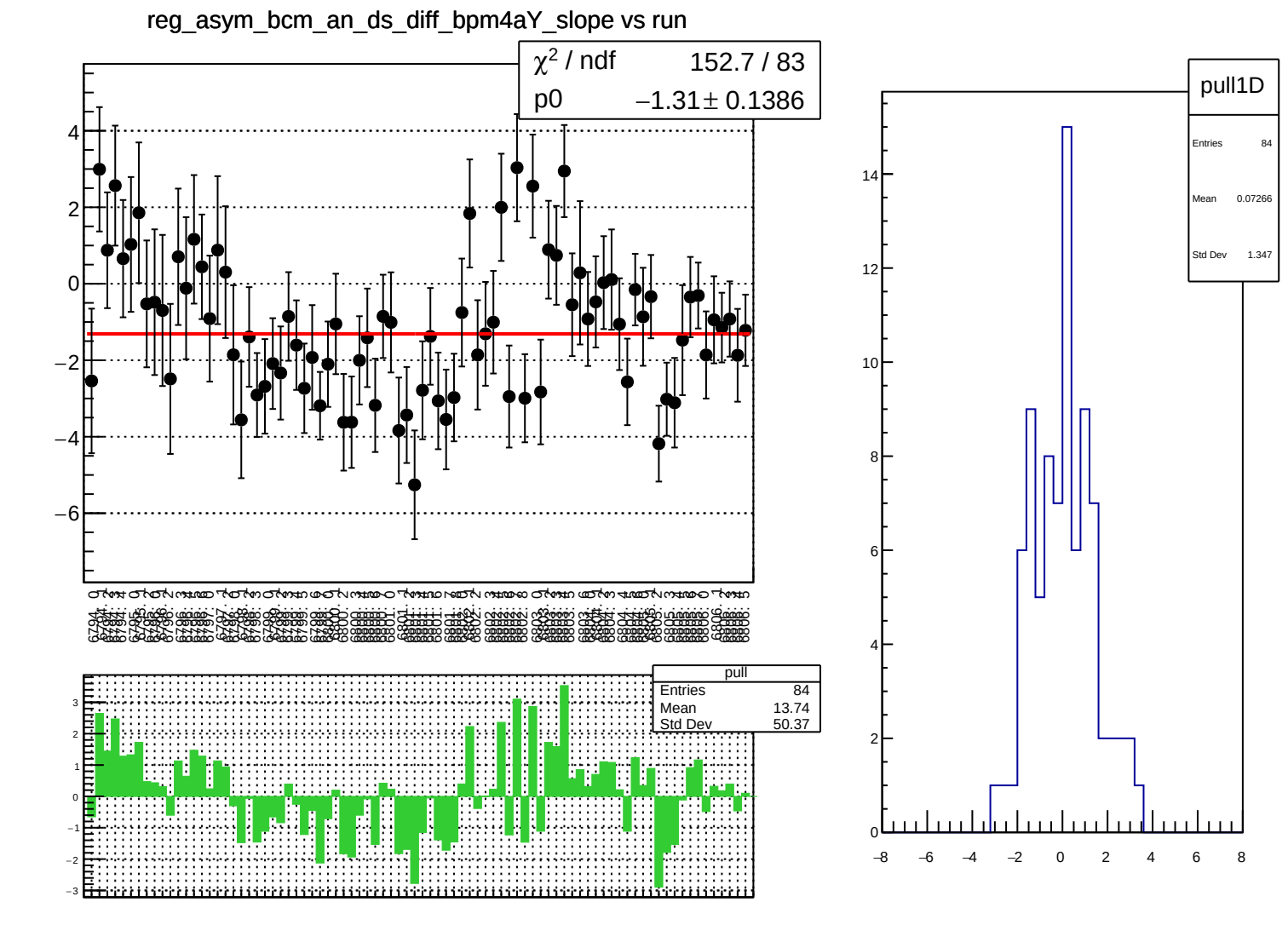

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 173 / 83
p0 1.464 ± 0.1938
pull
Entries 84
Mean 4.597
Std Dev 32.59

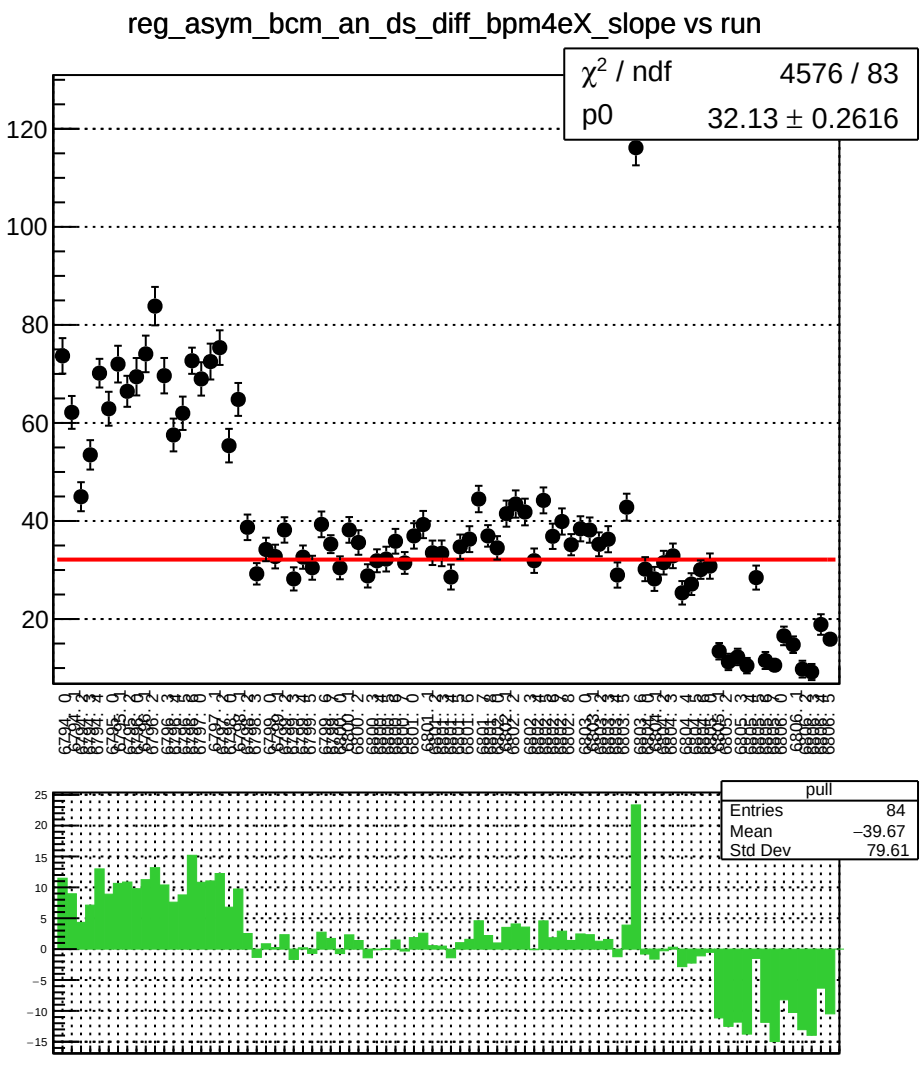

pull1D
Entries 84
Mean −0.1062
Std Dev 1.431

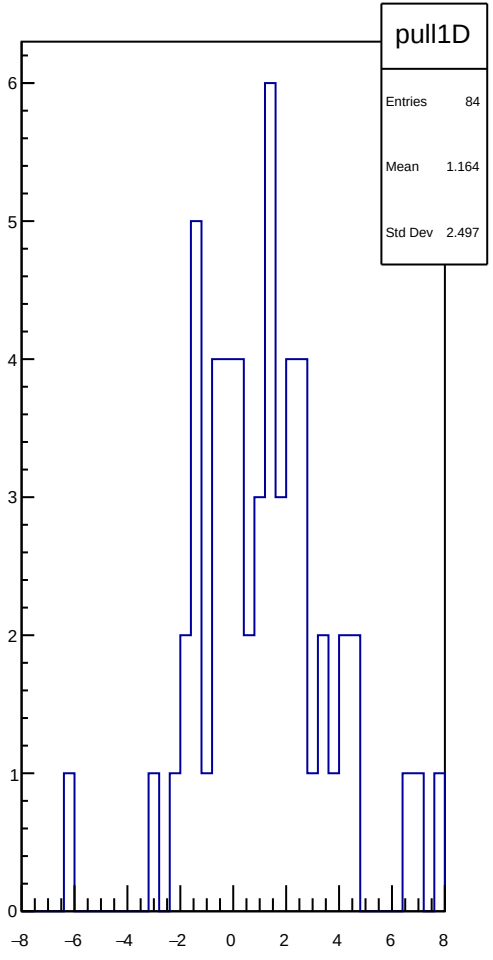

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 591.3 / 83
p0 0.169 ± 0.01111
pull
Entries 84
Mean 90.64
Std Dev 16.35
pull1D
Entries 84
Mean 0.1286
Std Dev 2.427

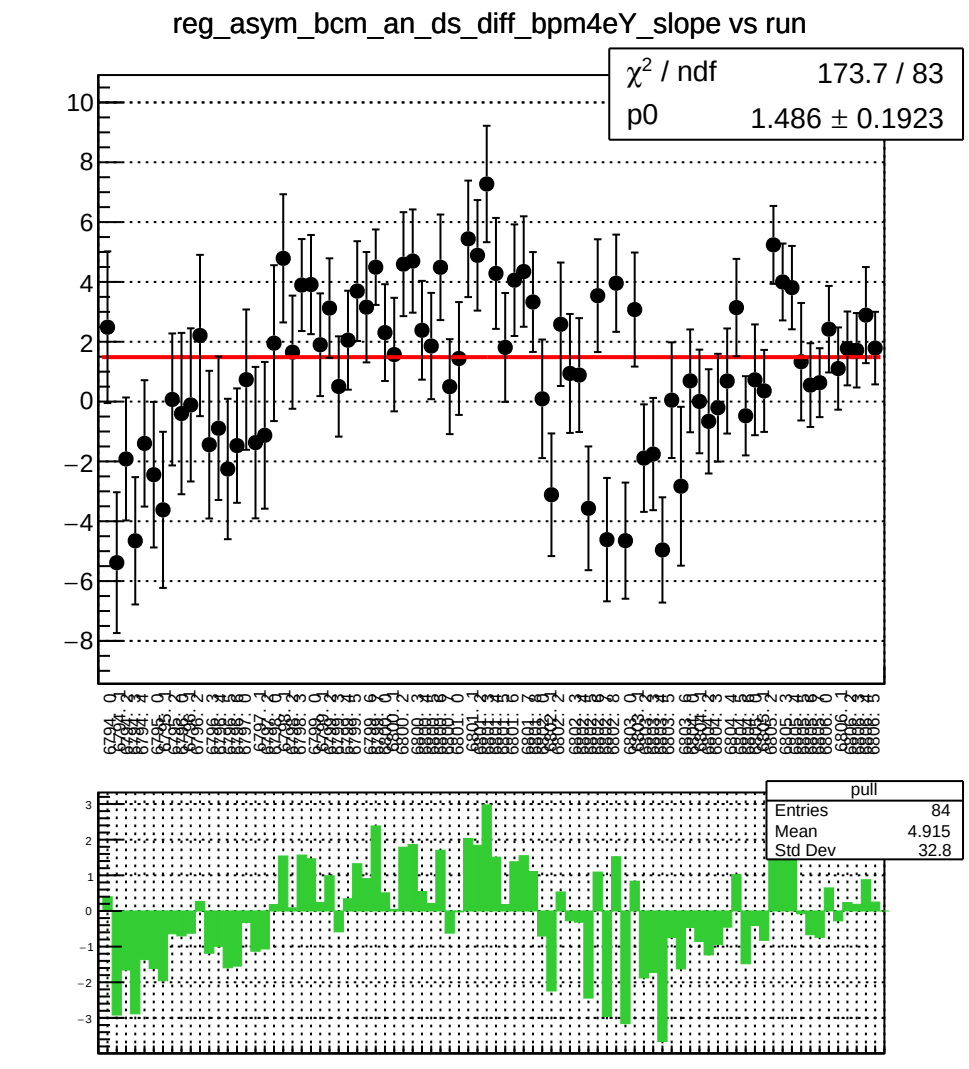

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 4579 / 83
p0 −34.89 ± 0.2791
pull
Entries 84
Mean −39.27
Std Dev 79.29

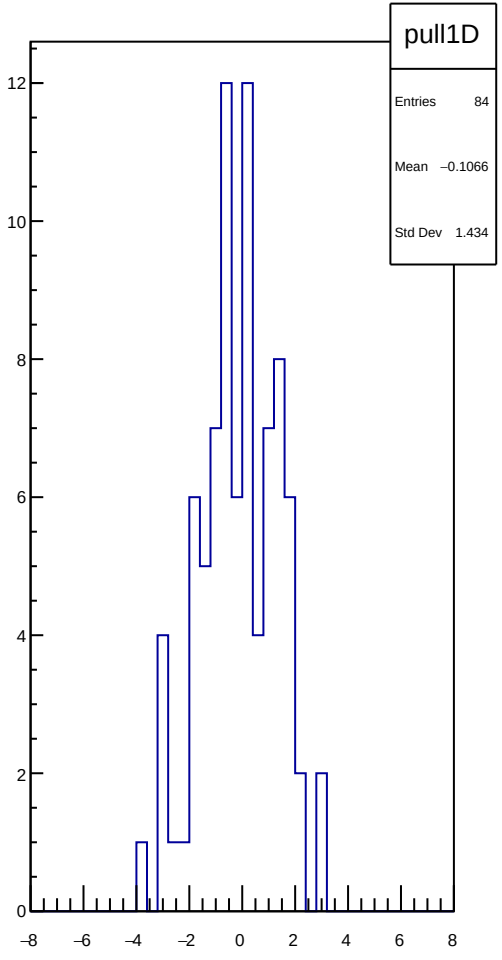

pull1D
Entries 84
Mean −1.193
Std Dev 2.481

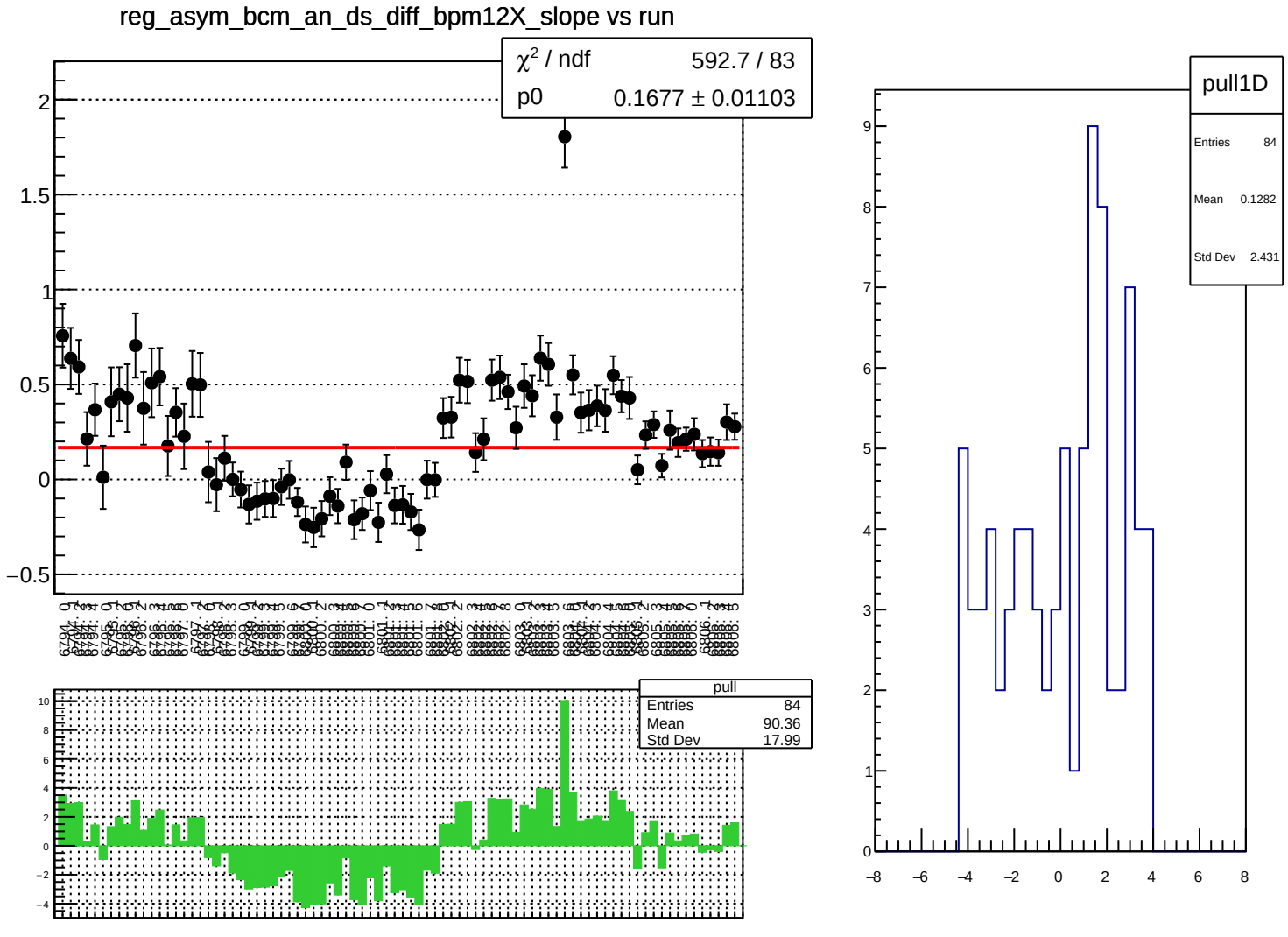

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 152.7 / 83
p0 −1.31 ± 0.1386
pull
Entries 84
Mean 13.74
Std Dev 50.37
pull1D
Entries 84
Mean 0.07266
Std Dev 1.347

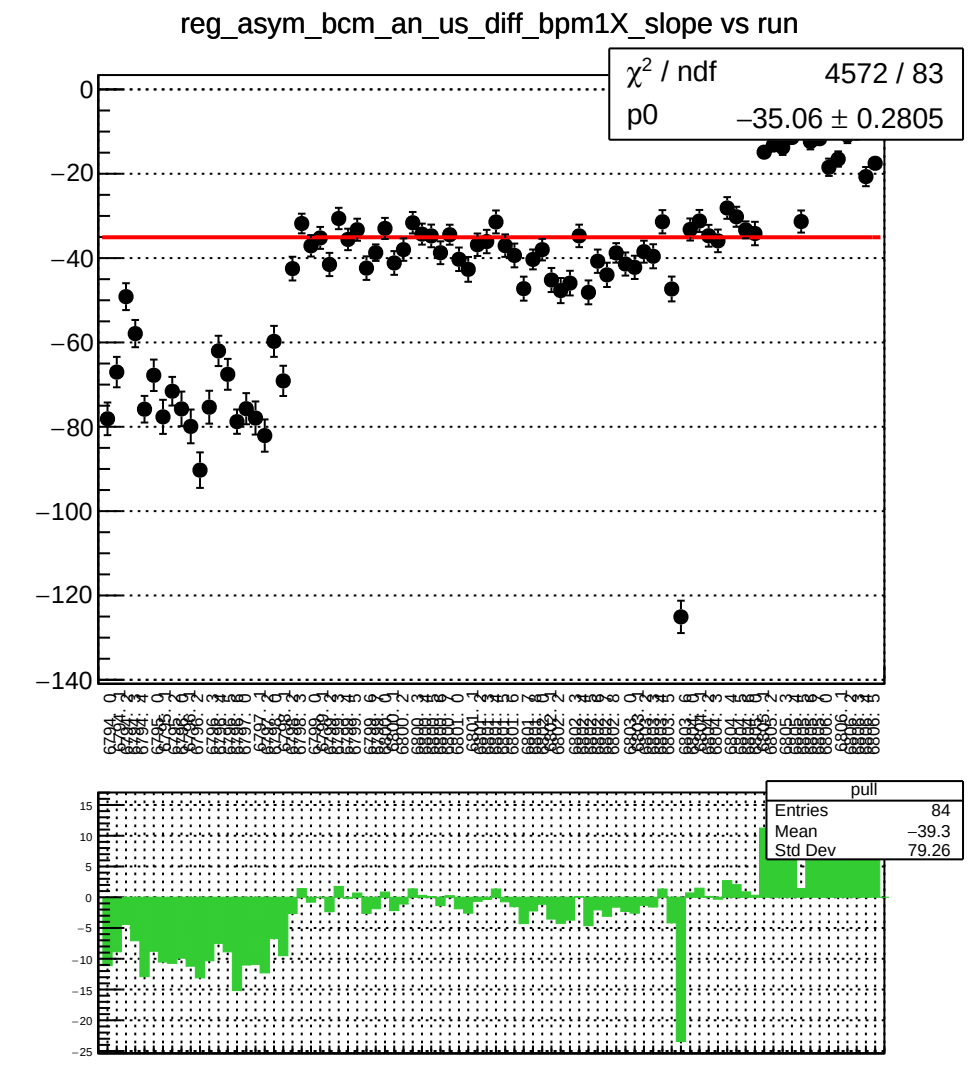

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 4576 / 83
p0 32.13 ± 0.2616
pull
Entries 84
Mean −39.67
Std Dev 79.61

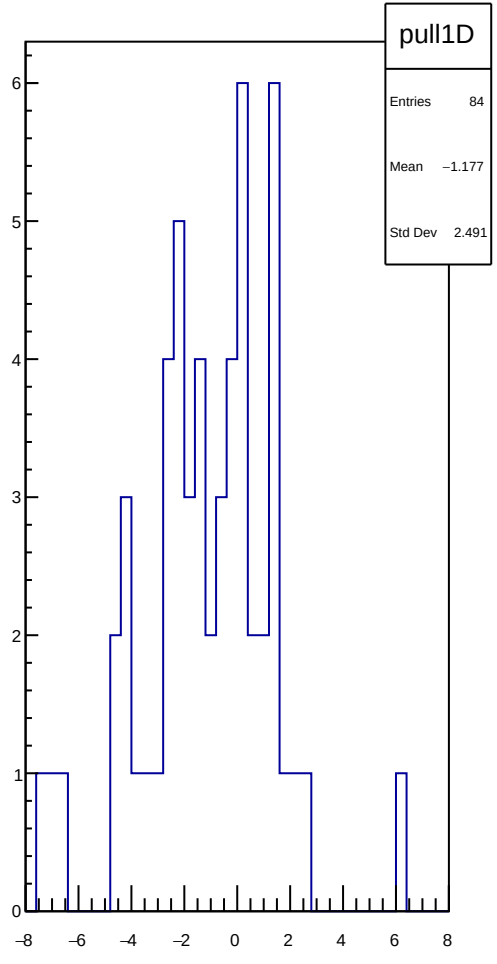

pull1D
Entries 84
Mean 1.164
Std Dev 2.497

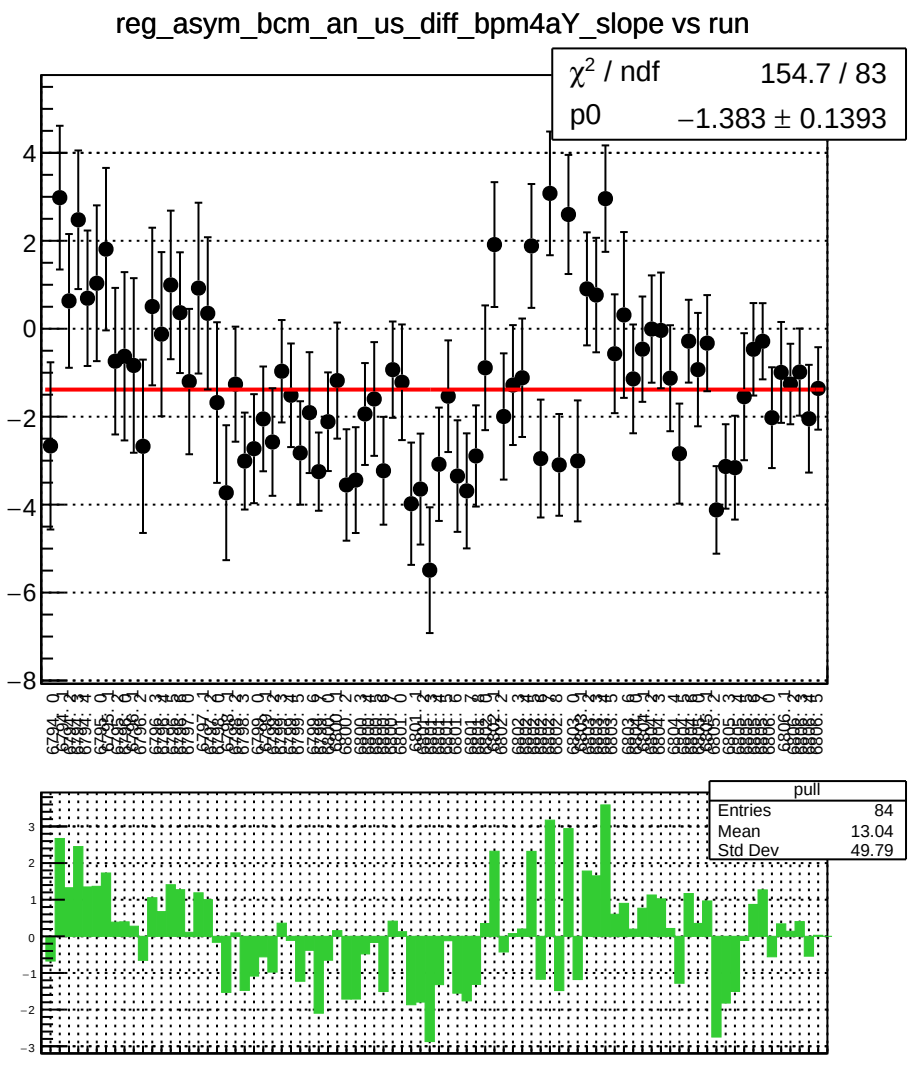

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 173.7 / 83
p0 1.486 ± 0.1923
pull
Entries 84
Mean 4.915
Std Dev 32.8

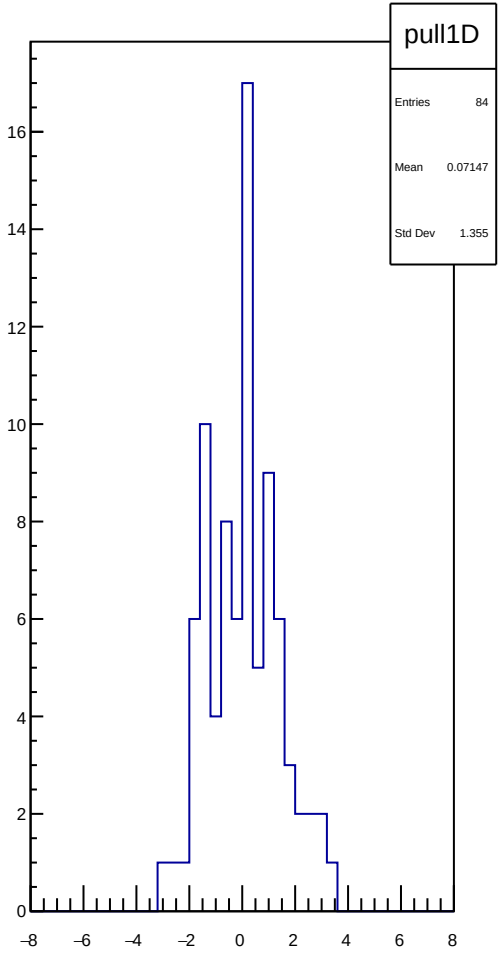

pull1D
Entries 84
Mean −0.1066
Std Dev 1.434

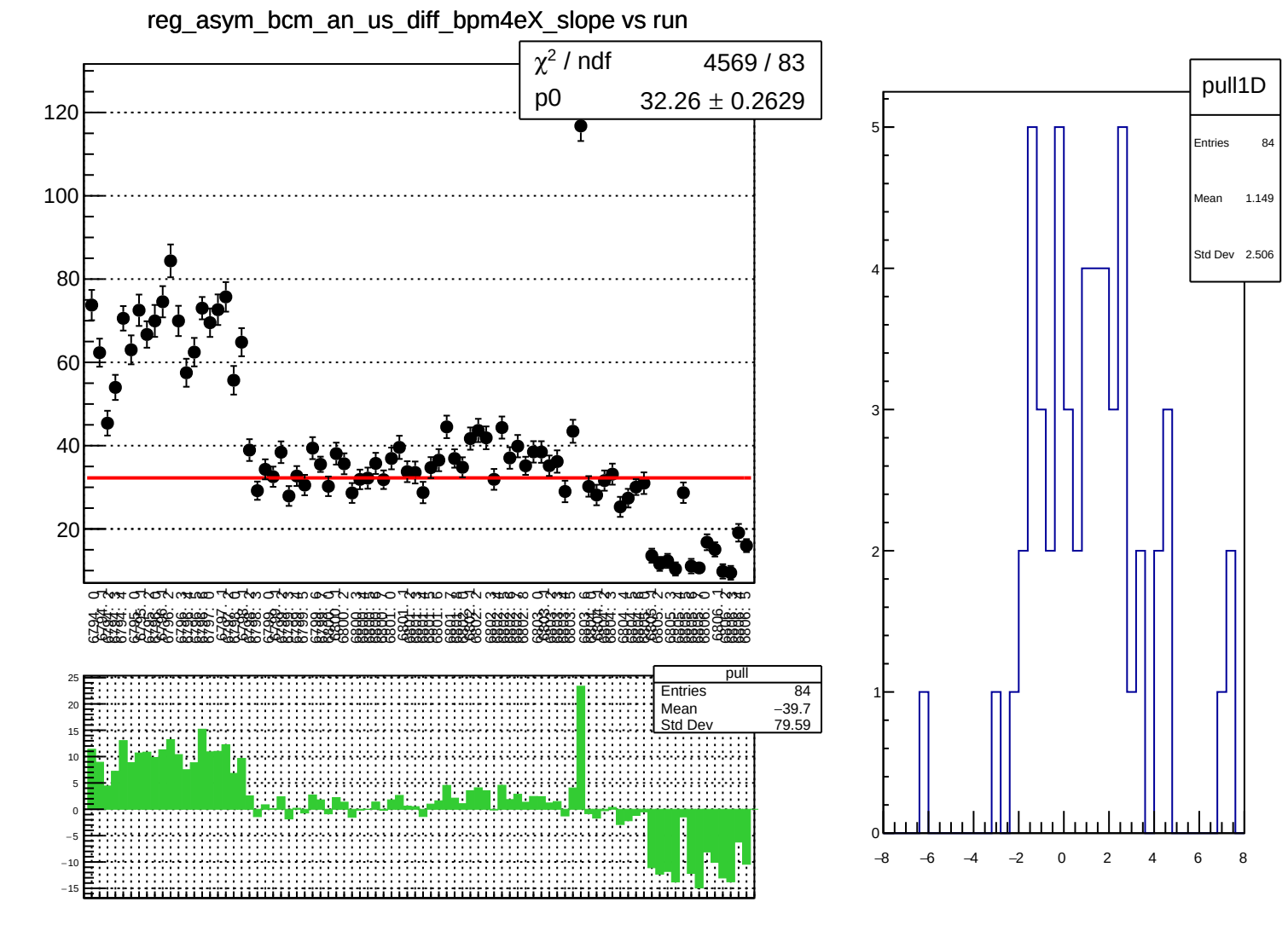

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 592.7 / 83
p0 0.1677 ± 0.01103
pull
Entries 84
Mean 90.36
Std Dev 17.99
pull1D
Entries 84
Mean 0.1282
Std Dev 2.431

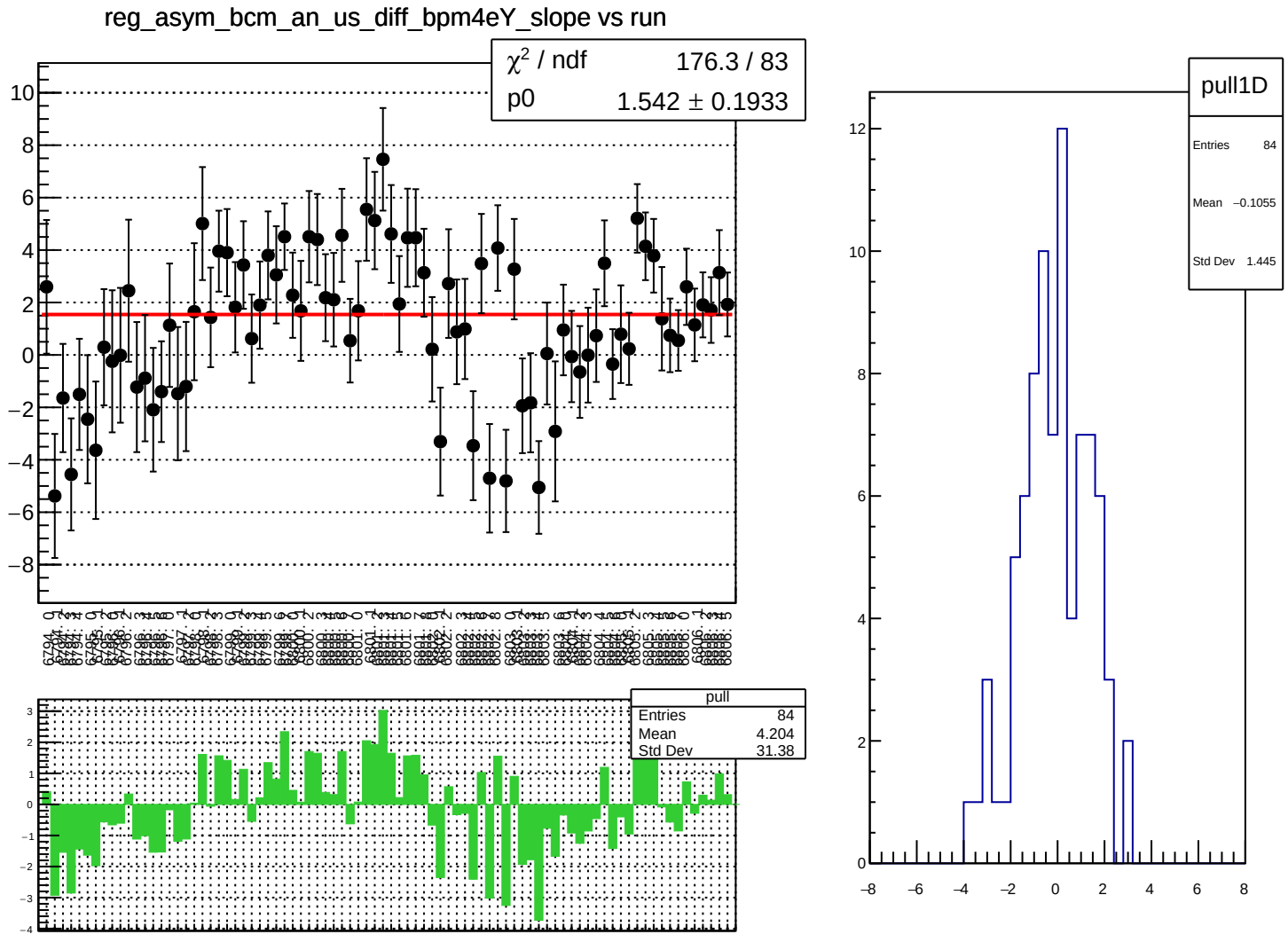

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 4572 / 83
p0 −35.06 ± 0.2805
pull
Entries 84
Mean −39.3
Std Dev 79.26

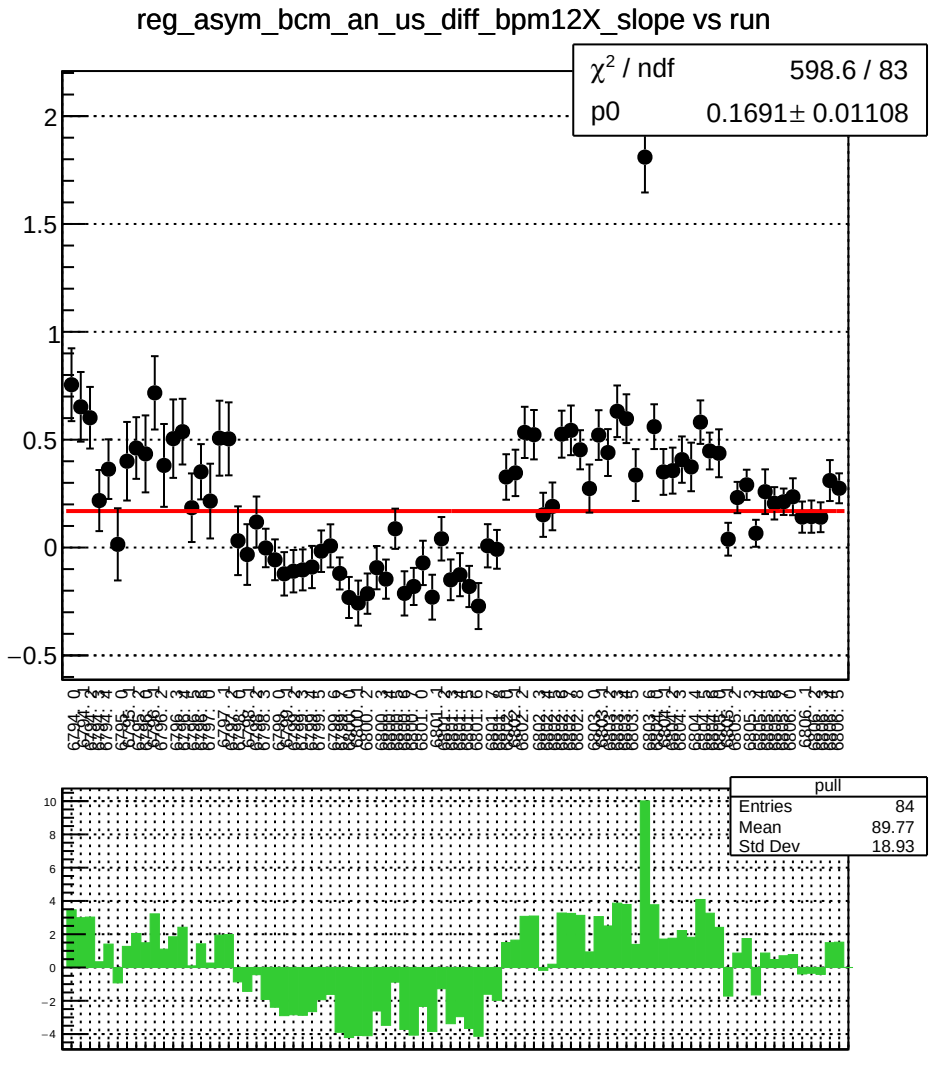

pull1D
Entries 84
Mean −1.177
Std Dev 2.491

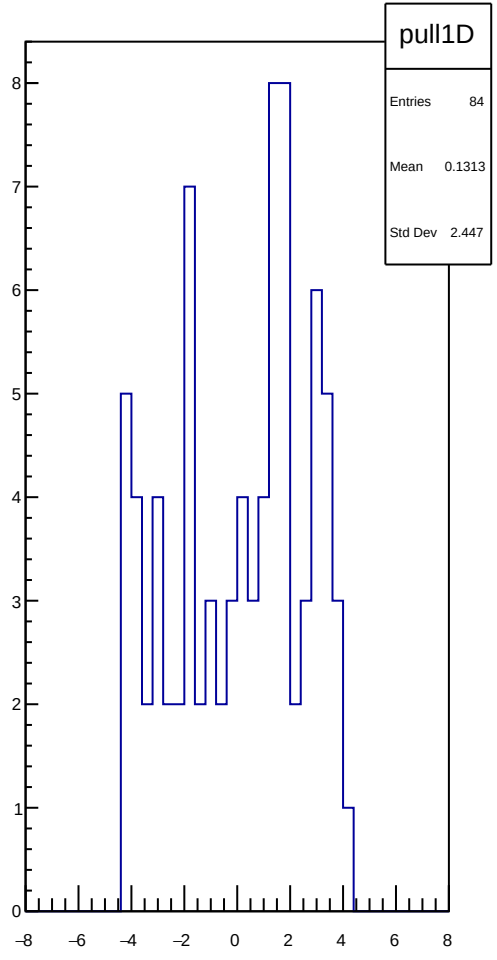

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 154.7 / 83
p0 −1.383 ± 0.1393
pull
Entries 84
Mean 13.04
Std Dev 49.79

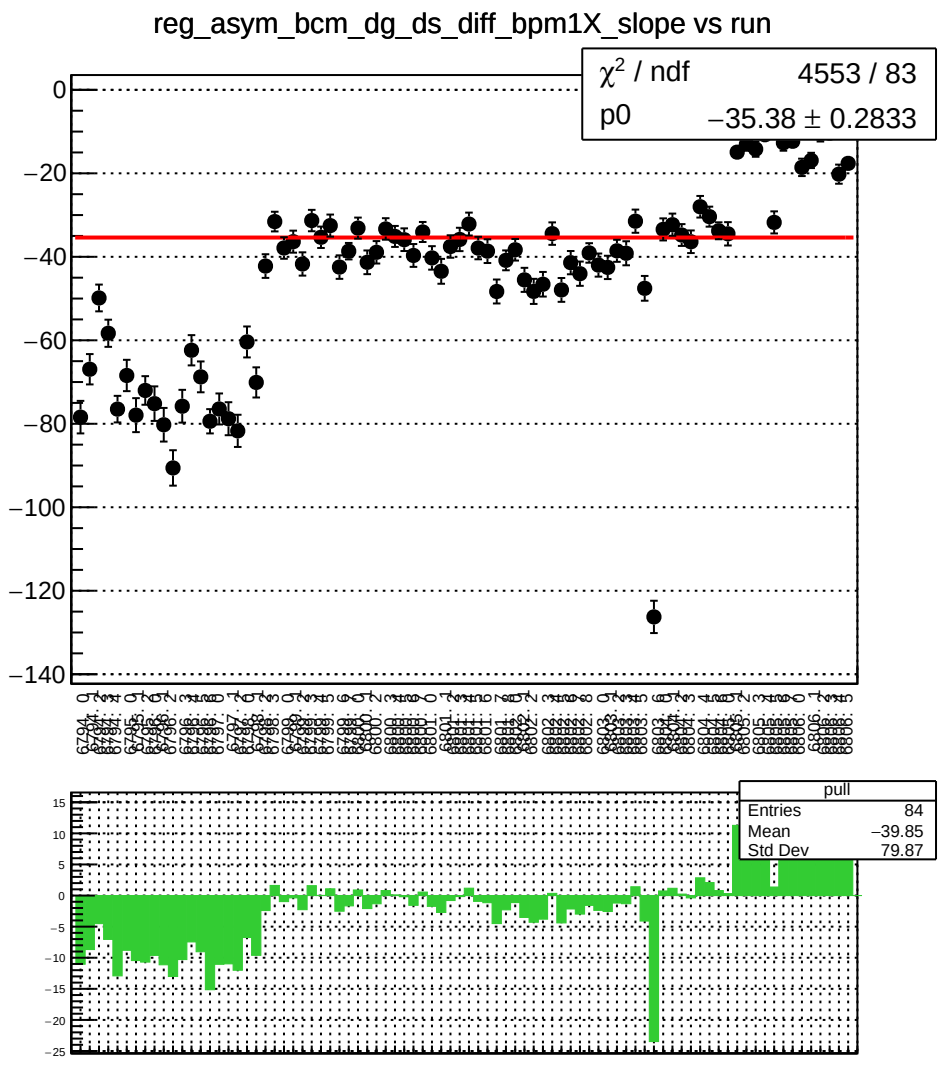

pull1D
Entries 84
Mean 0.07147
Std Dev 1.355

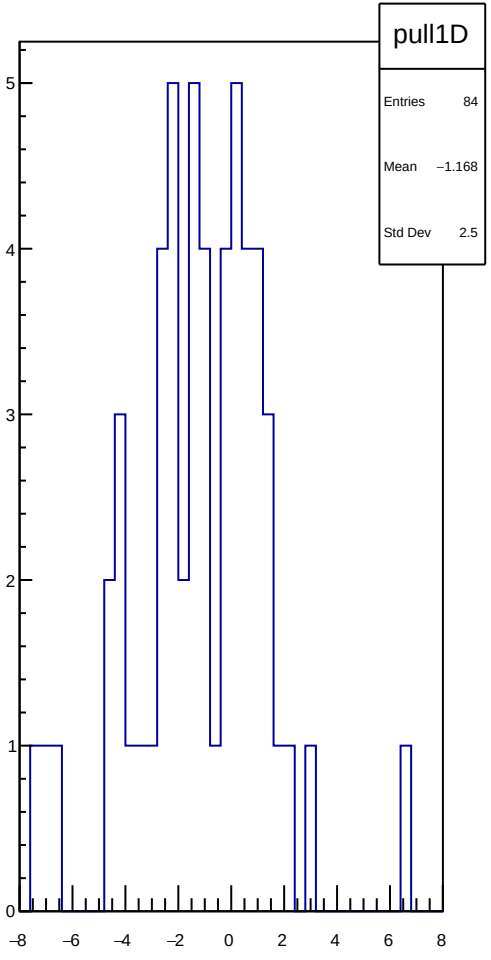

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 4569 / 83
p0 32.26 ± 0.2629
pull
Entries 84
Mean −39.7
Std Dev 79.59
pull1D
Entries 84
Mean 1.149
Std Dev 2.506

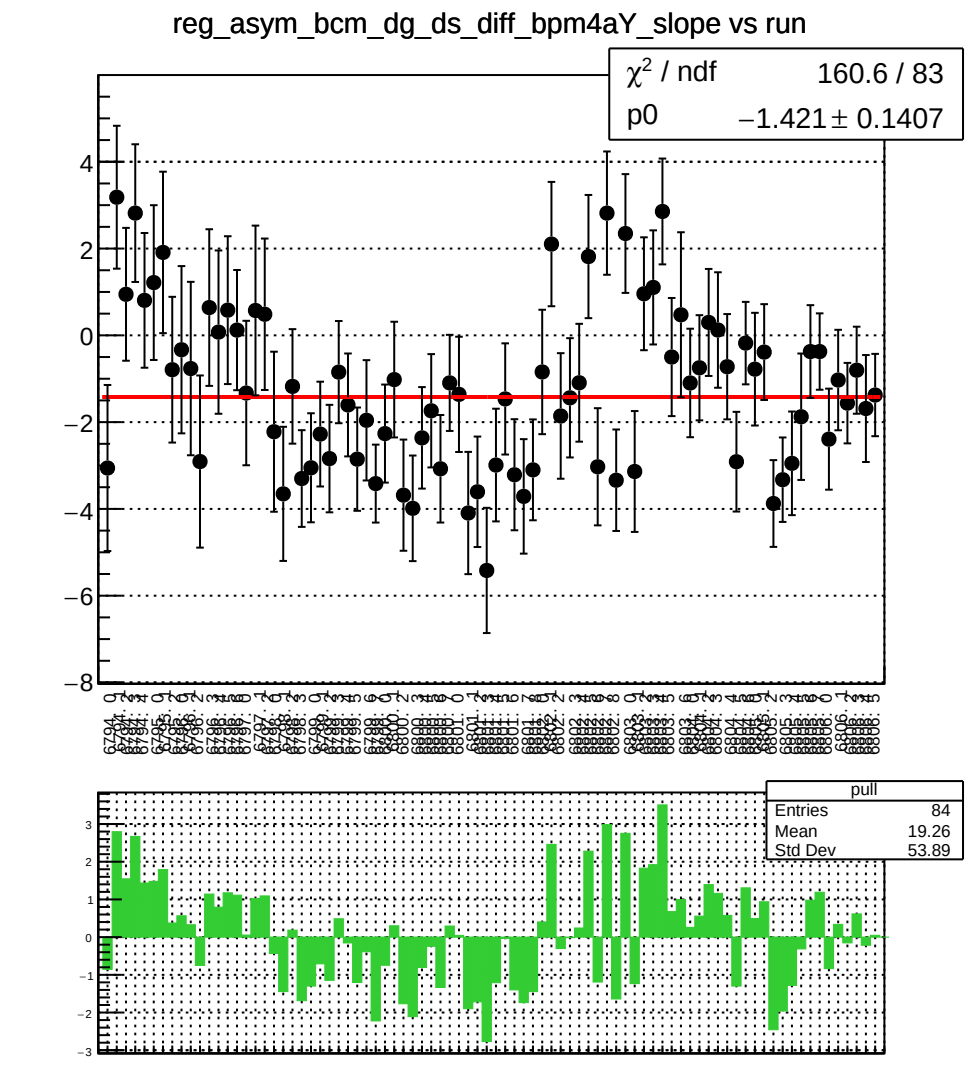

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 176.3 / 83
p0 1.542 ± 0.1933
pull
Entries 84
Mean 4.204
Std Dev 31.38
pull1D
Entries 84
Mean −0.1055
Std Dev 1.445

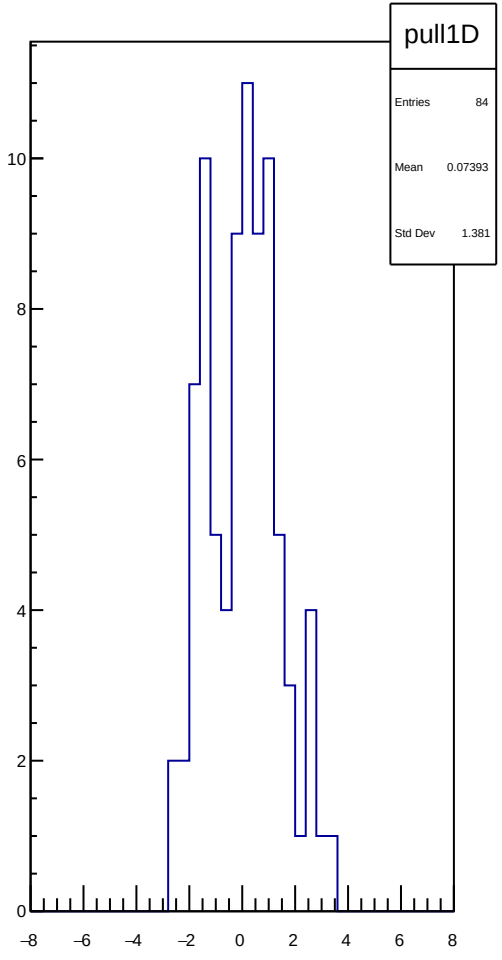

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 598.6 / 83
p0 0.1691± 0.01108
pull
Entries 84
Mean 89.77
Std Dev 18.93

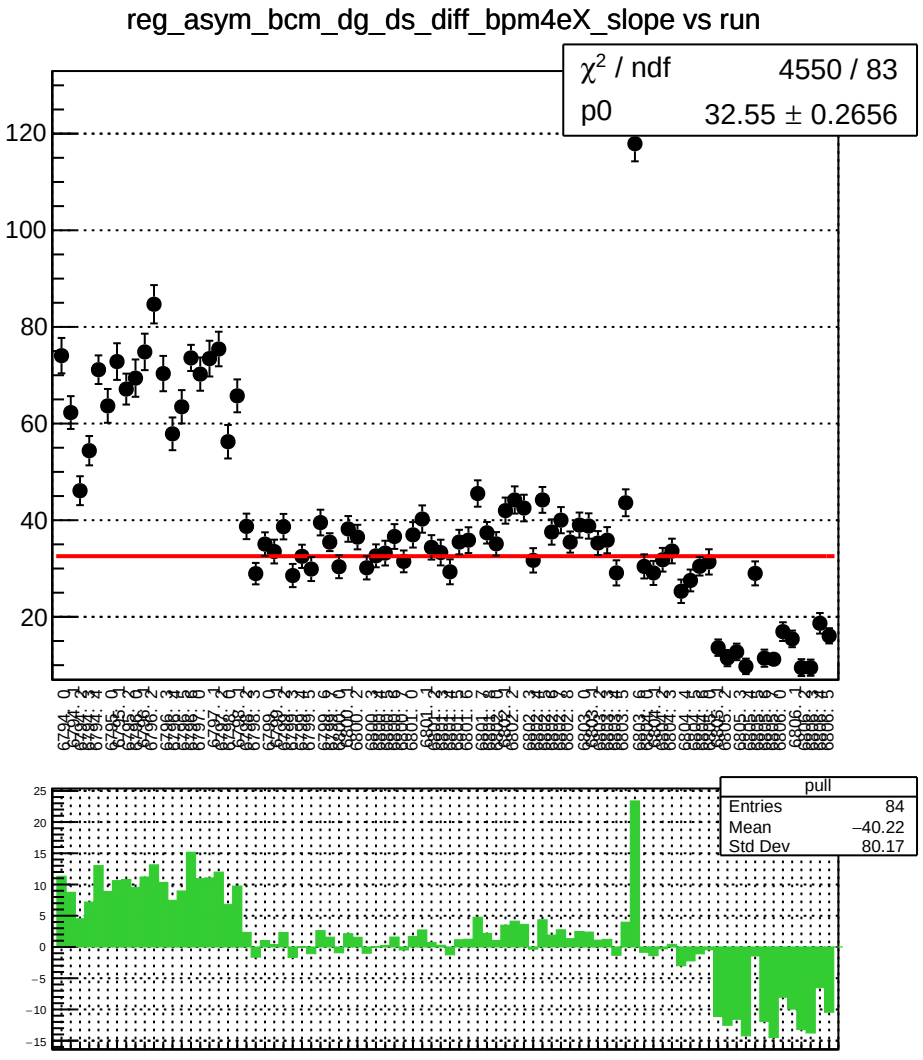

pull1D
Entries 84
Mean 0.1313
Std Dev 2.447

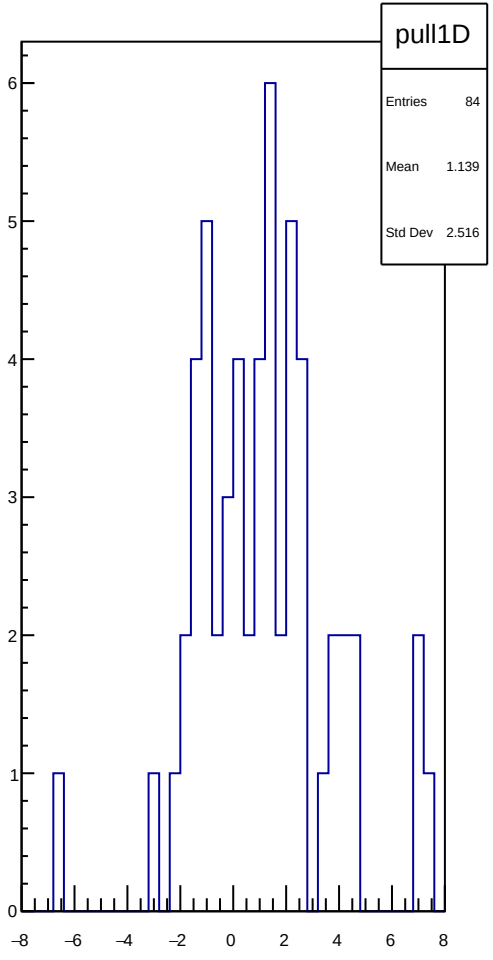

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 4553 / 83
p0 −35.38 ± 0.2833
pull
Entries 84
Mean −39.85
Std Dev 79.87

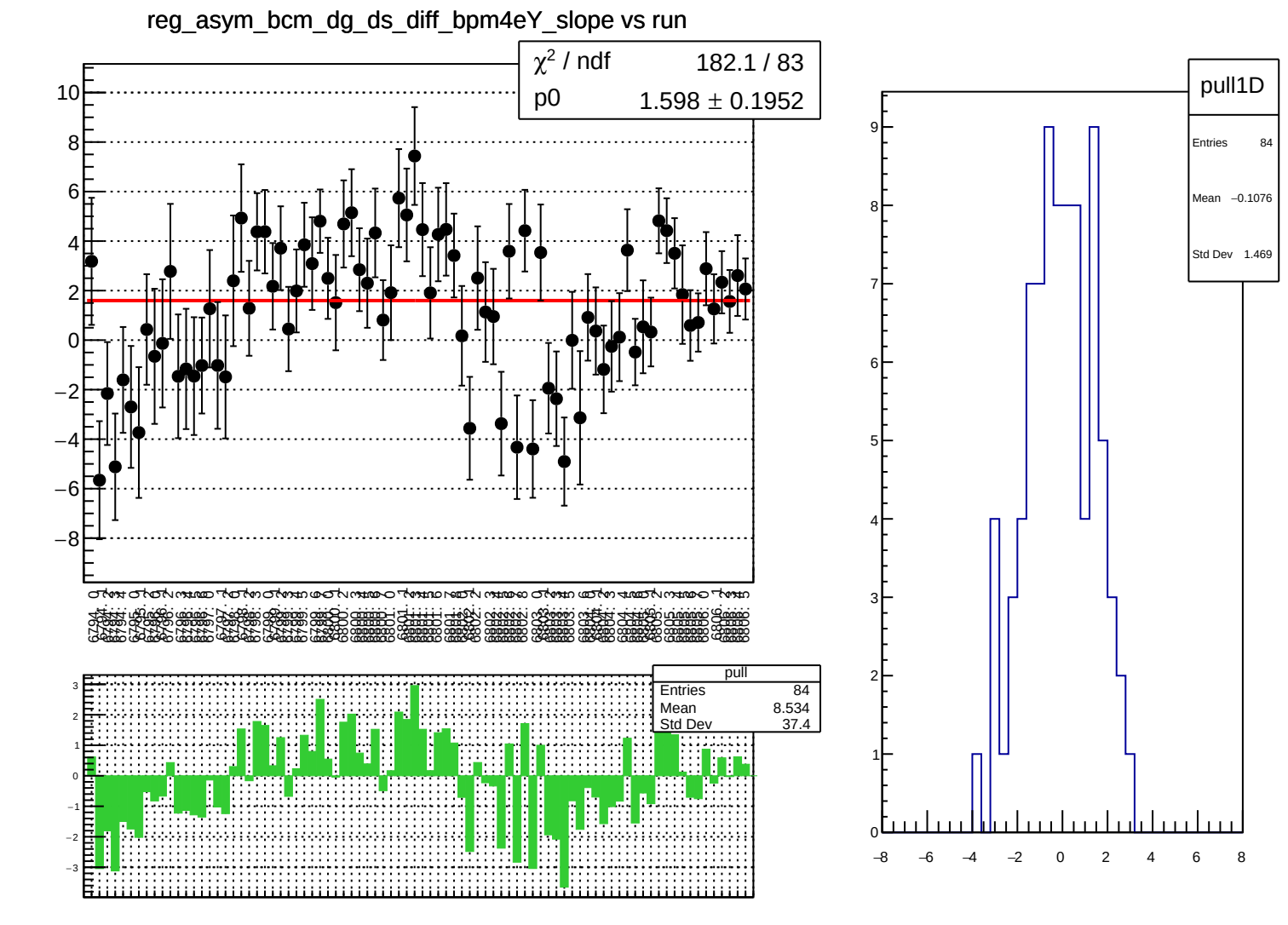

pull1D
Entries 84
Mean −1.168
Std Dev 2.5

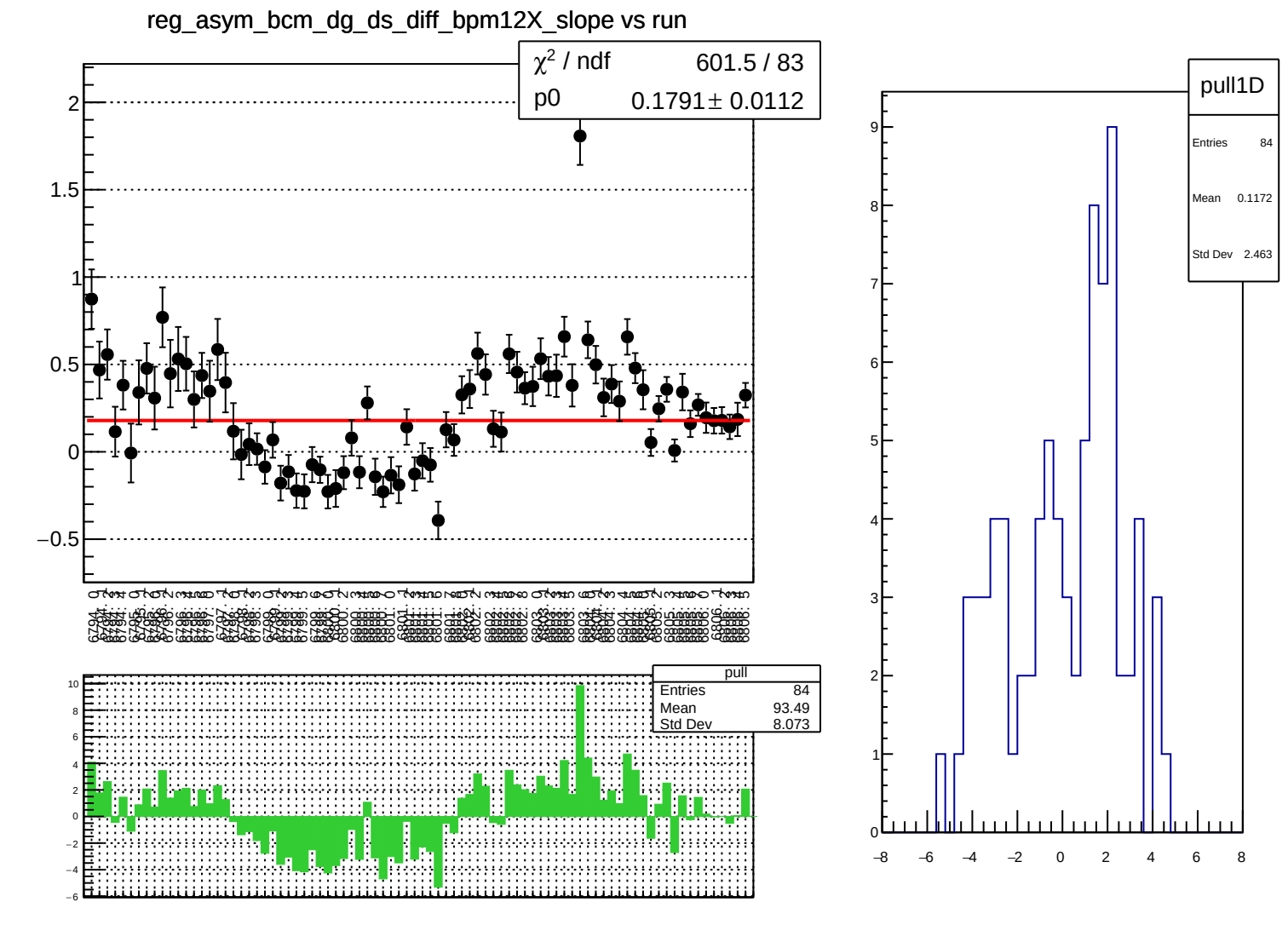

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 160.6 / 83
p0 −1.421 ± 0.1407
pull
Entries 84
Mean 19.26
Std Dev 53.89

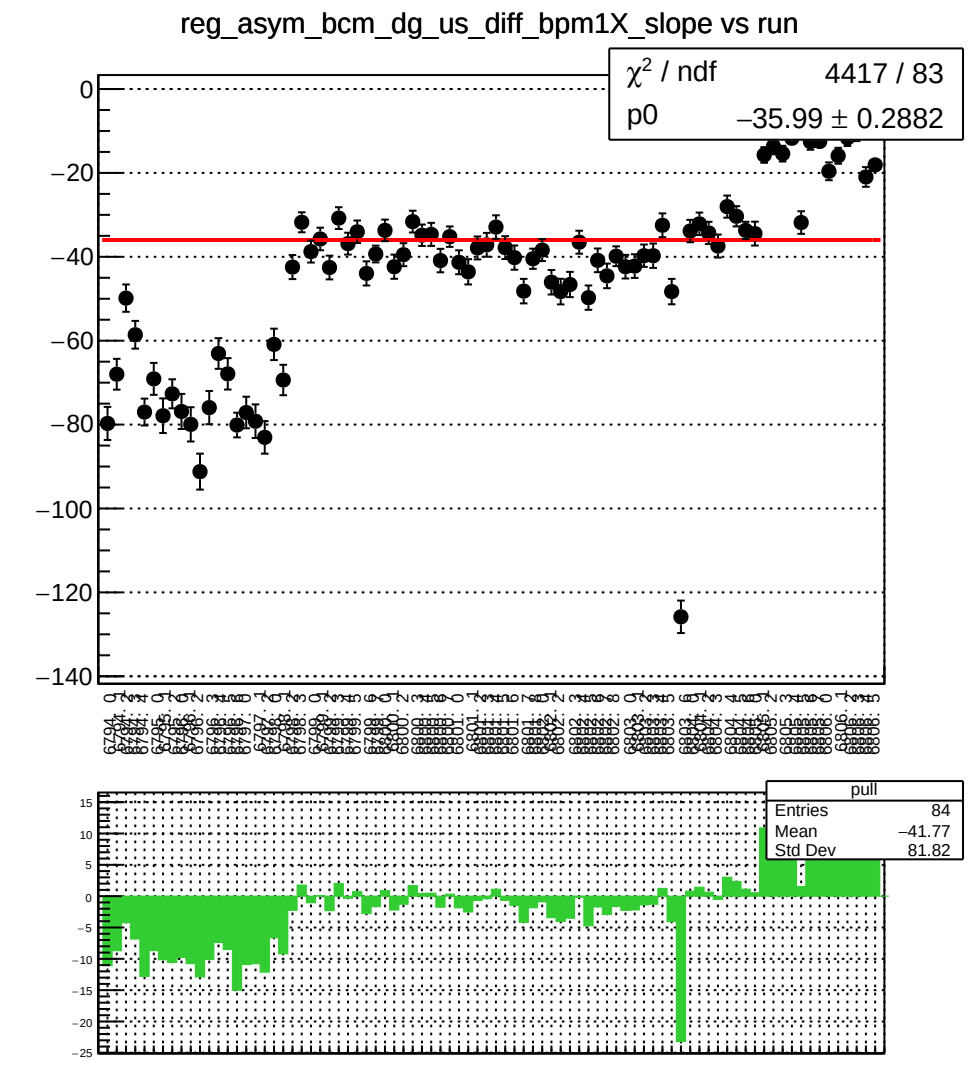

pull1D
Entries 84
Mean 0.07393
Std Dev 1.381

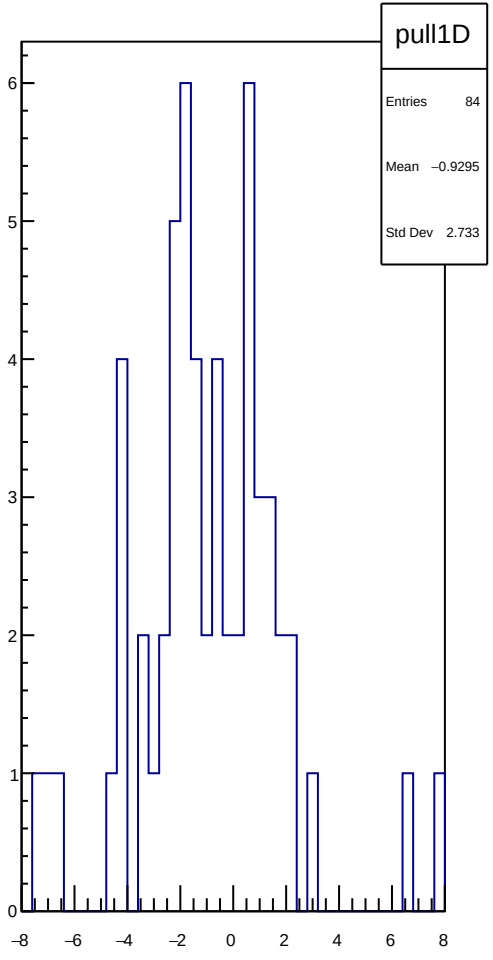

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 4550 / 83
p0 32.55 ± 0.2656
pull
Entries 84
Mean −40.22
Std Dev 80.17

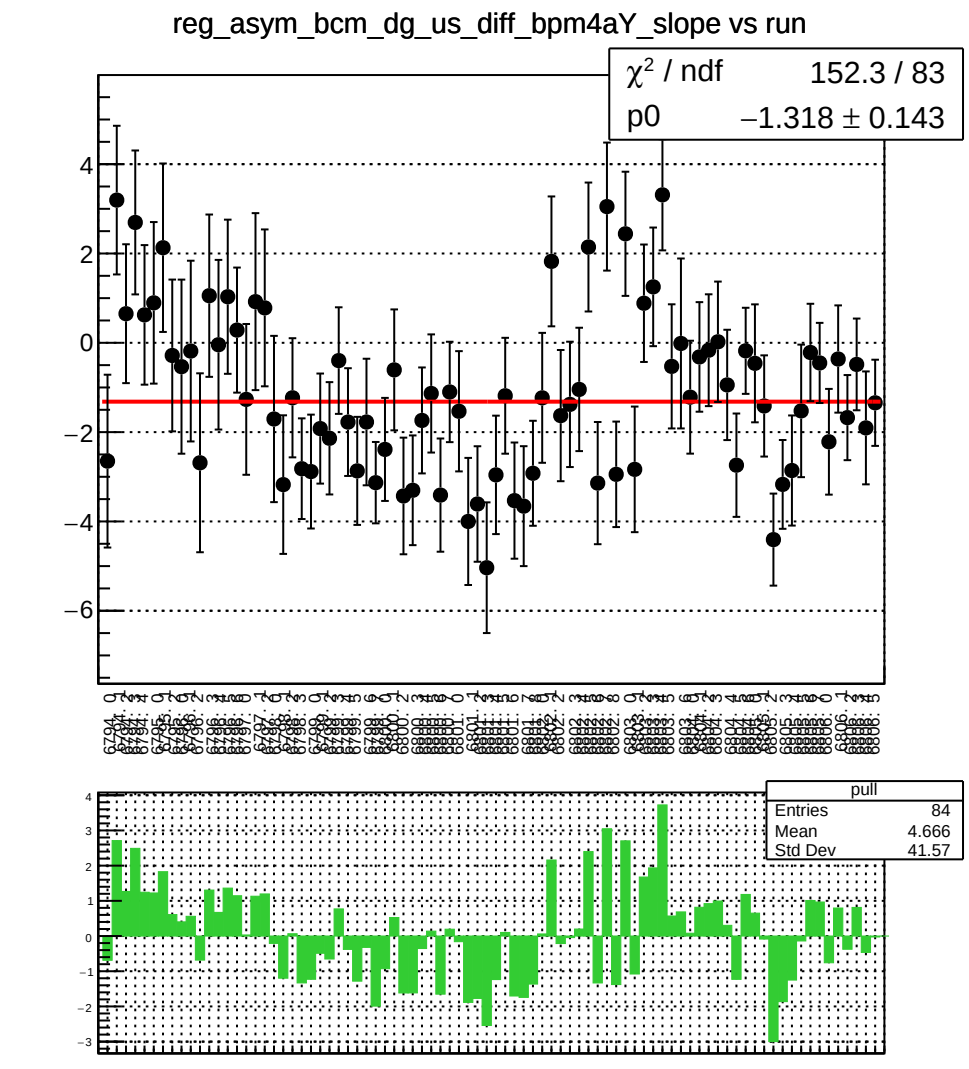

pull1D
Entries 84
Mean 1.139
Std Dev 2.516

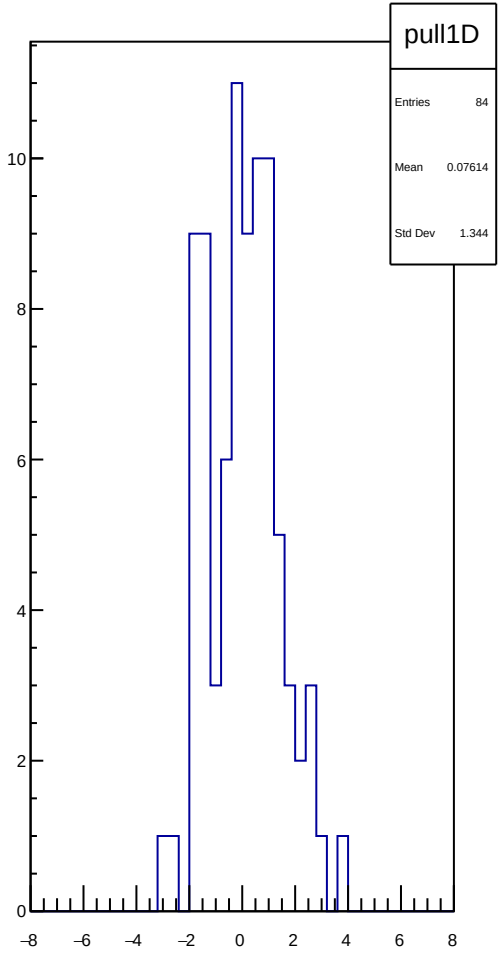

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 182.1 / 83
p0 1.598 ± 0.1952
pull
Entries 84
Mean 8.534
Std Dev 37.4
pull1D
Entries 84
Mean −0.1076
Std Dev 1.469

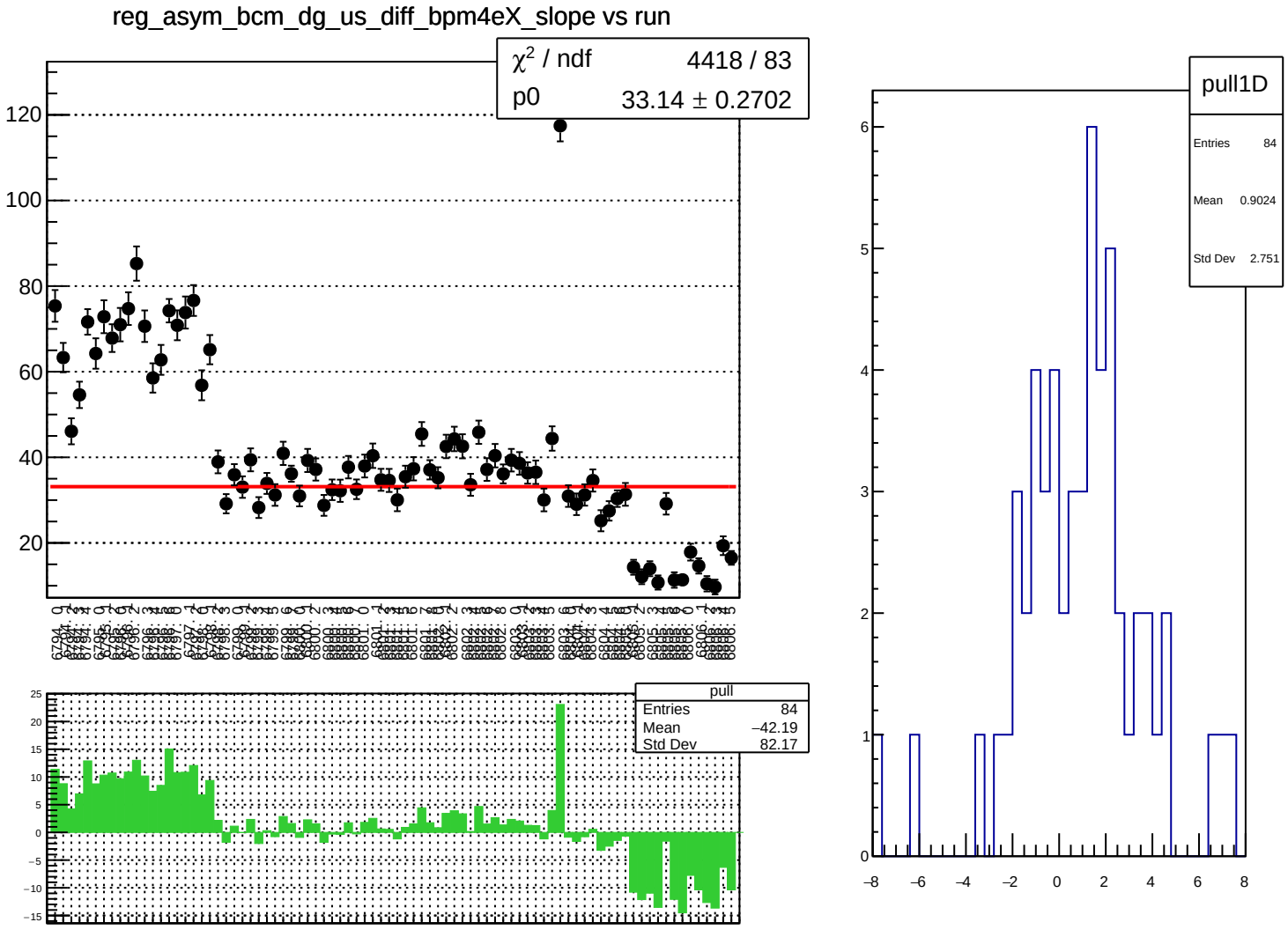

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 601.5 / 83
p0 0.1791 ± 0.0112
pull
Entries 84
Mean 93.49
Std Dev 8.073
pull1D
Entries 84
Mean 0.1172
Std Dev 2.463

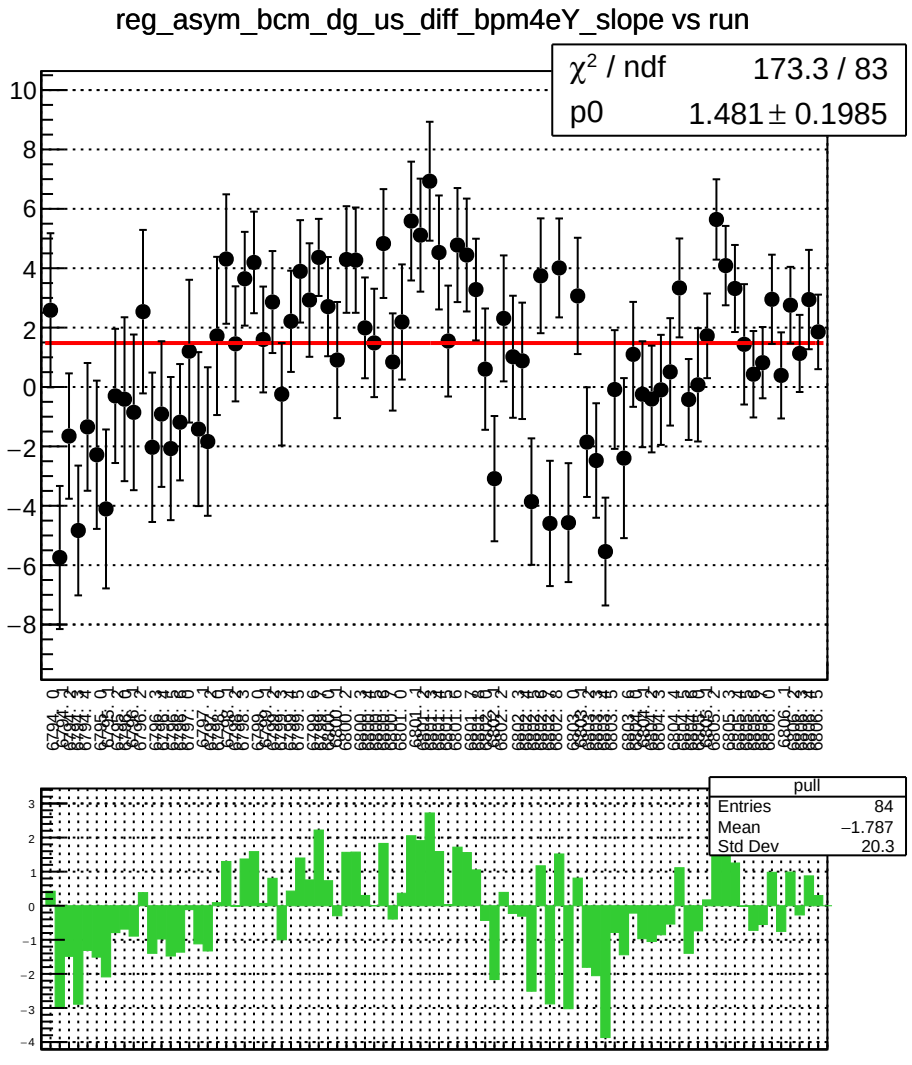

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 4417 / 83
p0 −35.99 ± 0.2882
pull
Entries 84
Mean −41.77
Std Dev 81.82

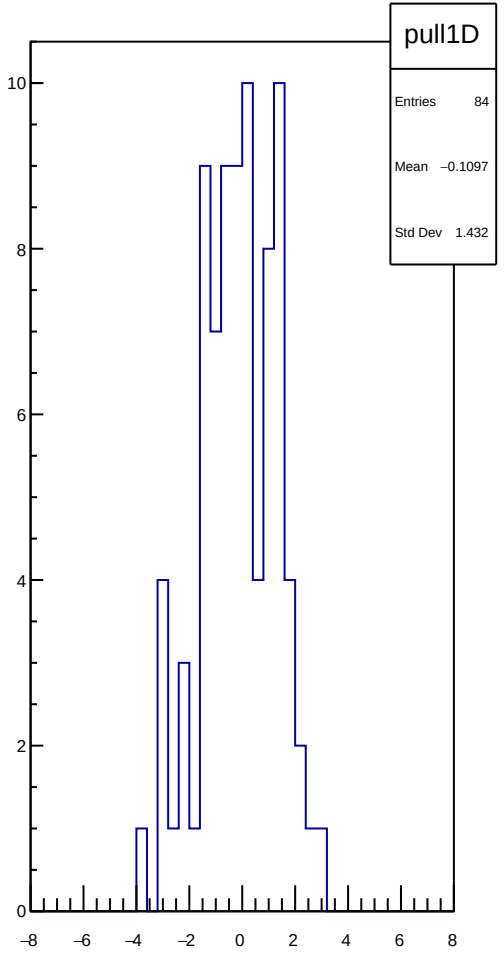

pull1D
Entries 84
Mean −0.9295
Std Dev 2.733

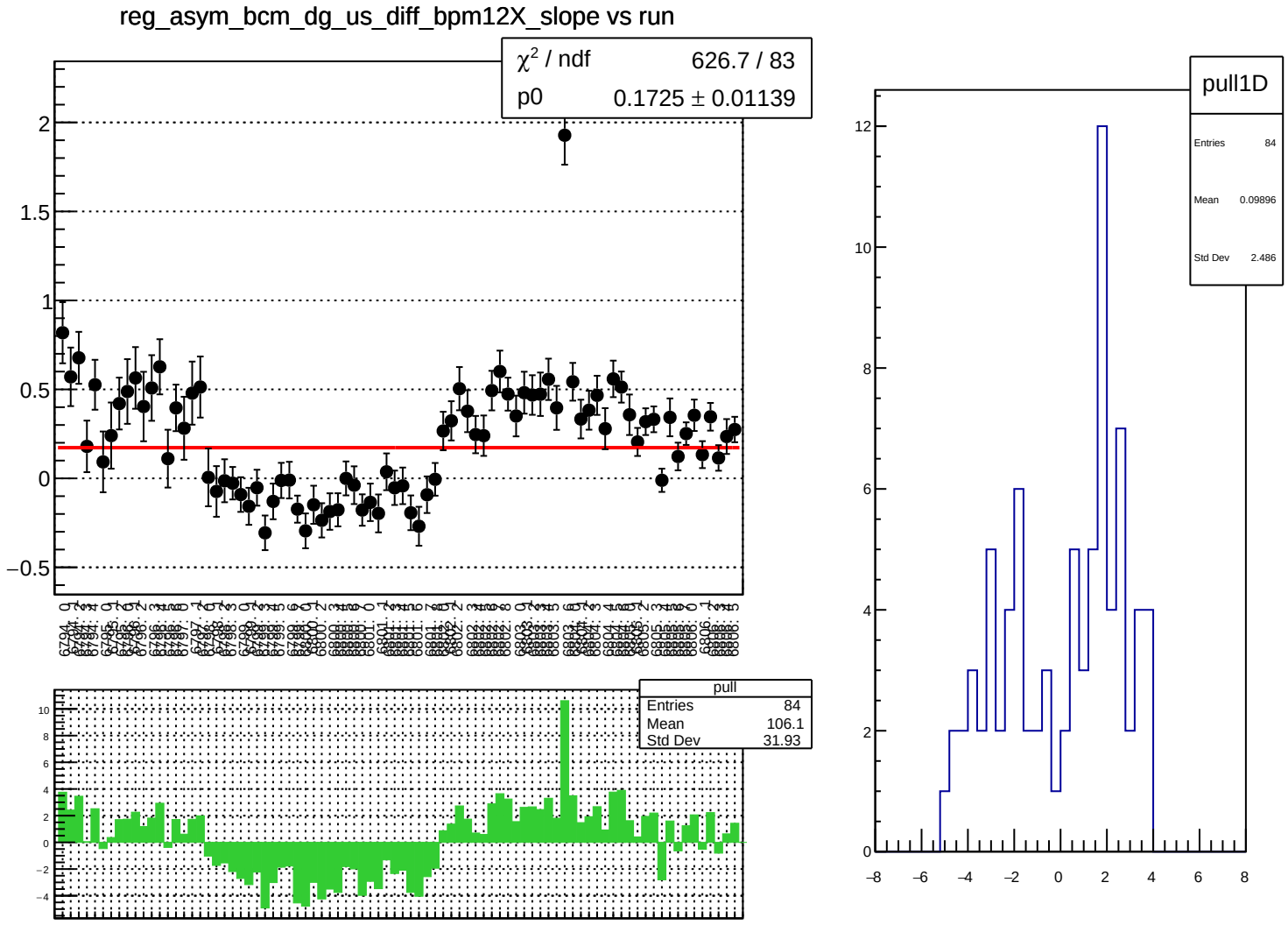

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 152.3 / 83
p0 −1.318 ± 0.143
pull
Entries 84
Mean 4.666
Std Dev 41.57


pull1D
Entries 84
Mean 0.07614
Std Dev 1.344


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 4418 / 83
p0 33.14 ± 0.2702
120
100
80
60
40
20
pull
Entries 84
Mean −42.19
Std Dev 82.17
25
20
15
10
5
0
−5
−10
−15
pull1D
Entries 84
Mean 0.9024
Std Dev 2.751
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 173.3 / 83
p0 1.481 ± 0.1985
pull
Entries 84
Mean −1.787
Std Dev 20.3


pull1D
Entries 84
Mean −0.1097
Std Dev 1.432


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 626.7 / 83
p0 0.1725 ± 0.01139
pull
Entries 84
Mean 106.1
Std Dev 31.93
pull1D
Entries 84
Mean 0.09896
Std Dev 2.486