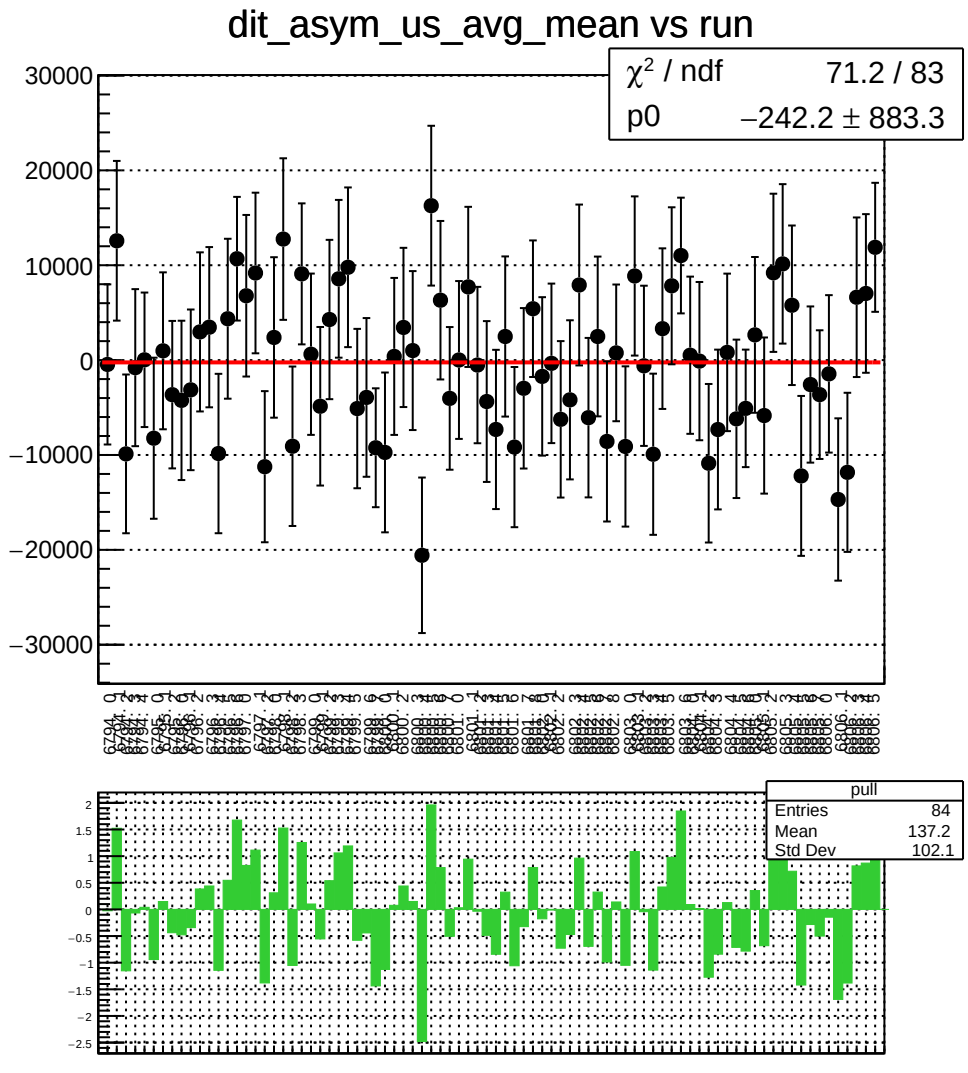
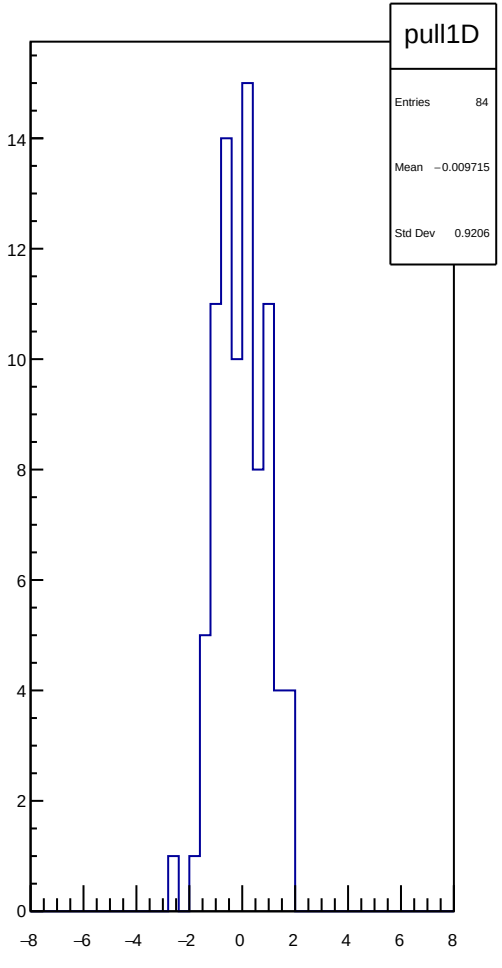
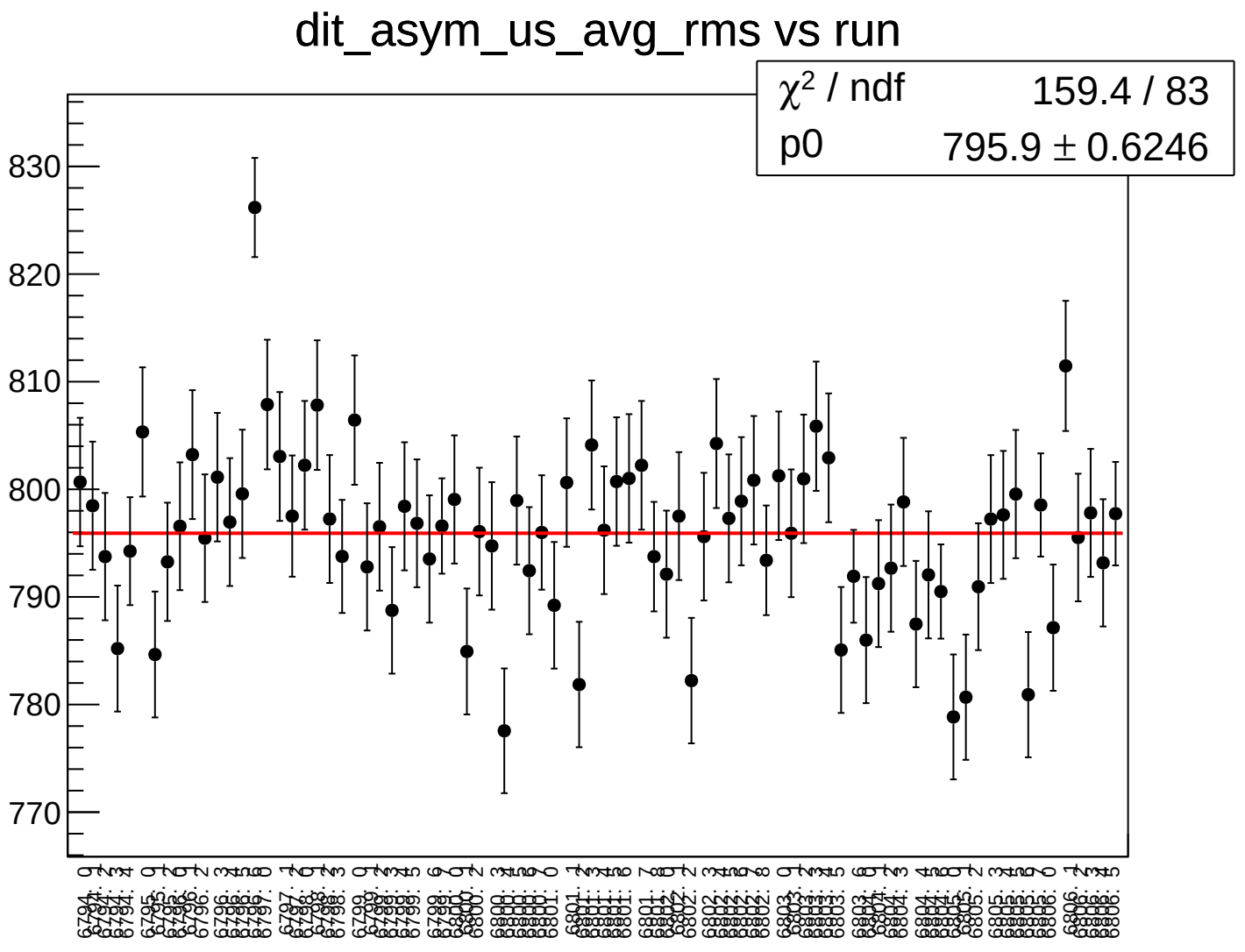
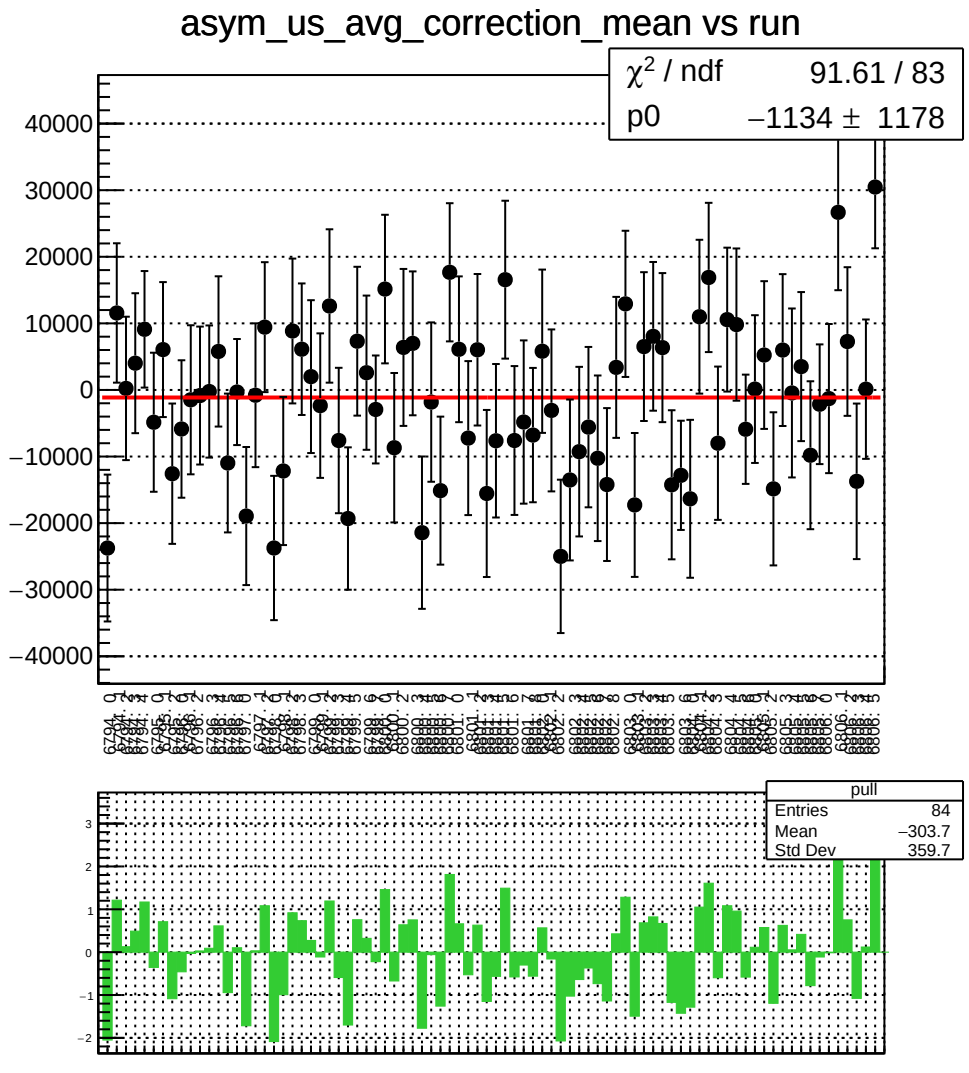
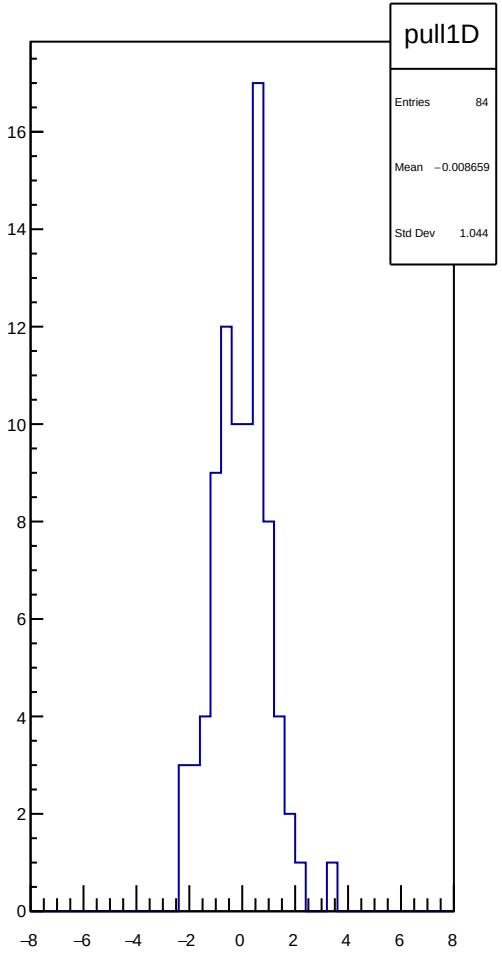
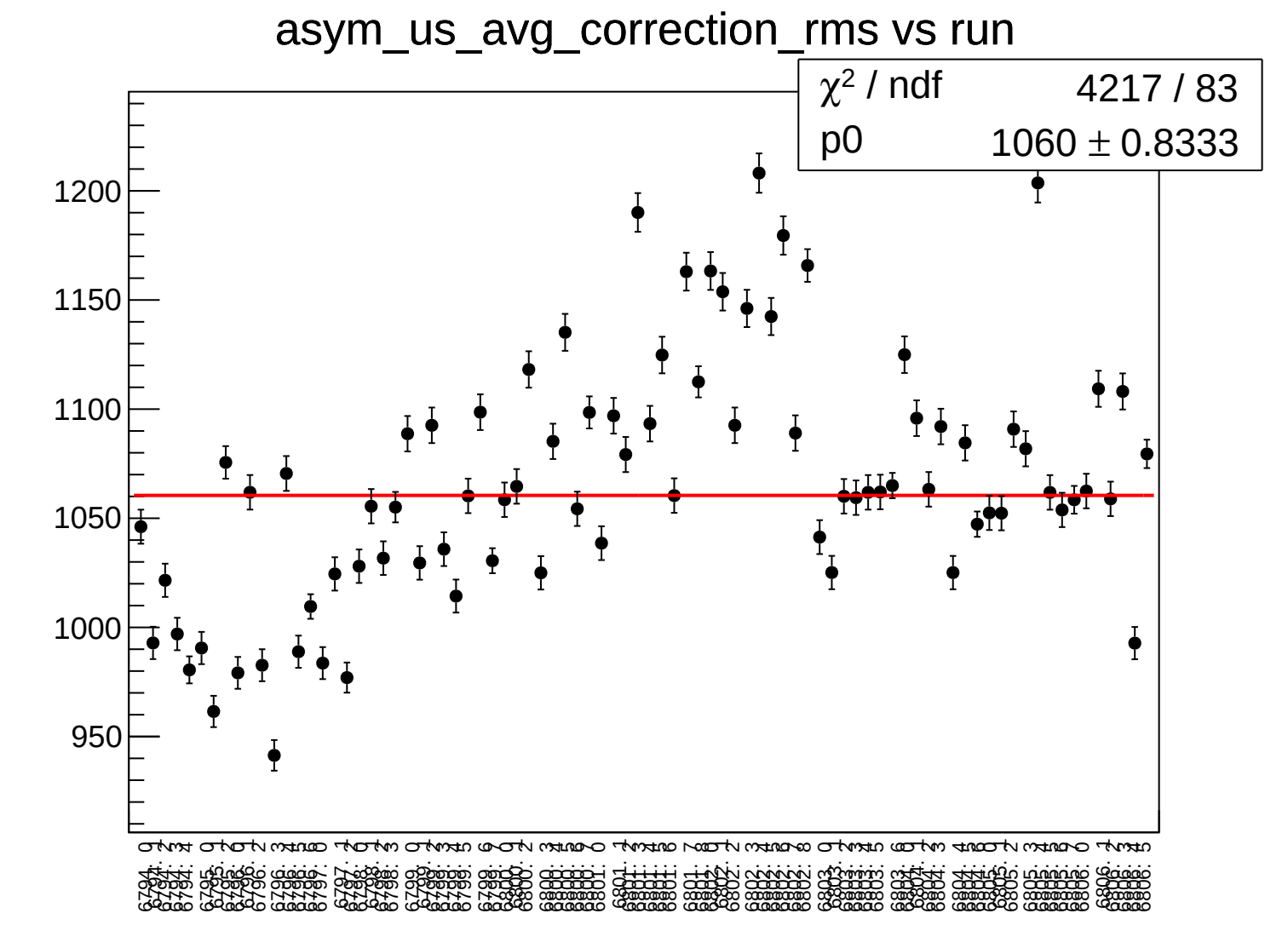

dit_asym_us_avg_mean vs run
χ² / ndf 71.2 / 83
p0 −242.2 ± 883.3
pull
Entries 84
Mean 137.2
Std Dev 102.1

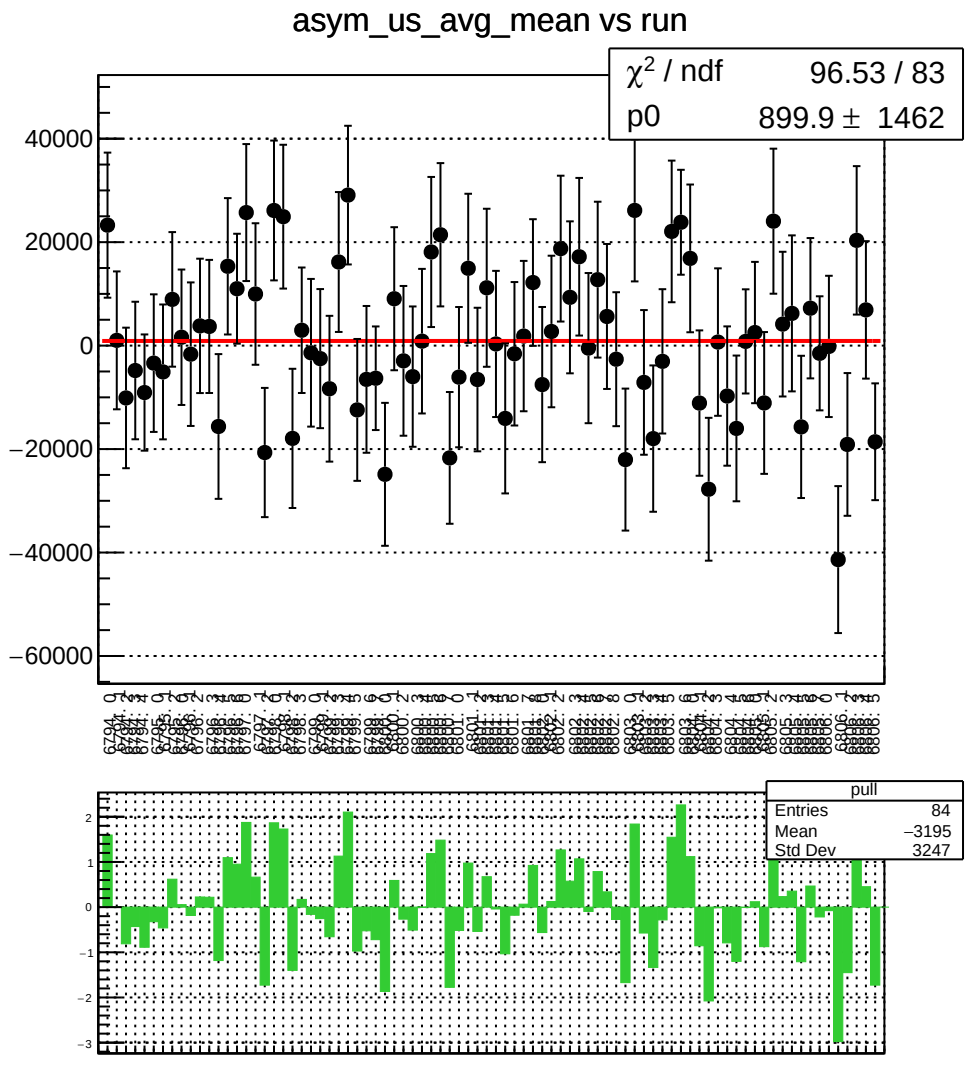

pull1D
Entries 84
Mean −0.009715
Std Dev 0.9206

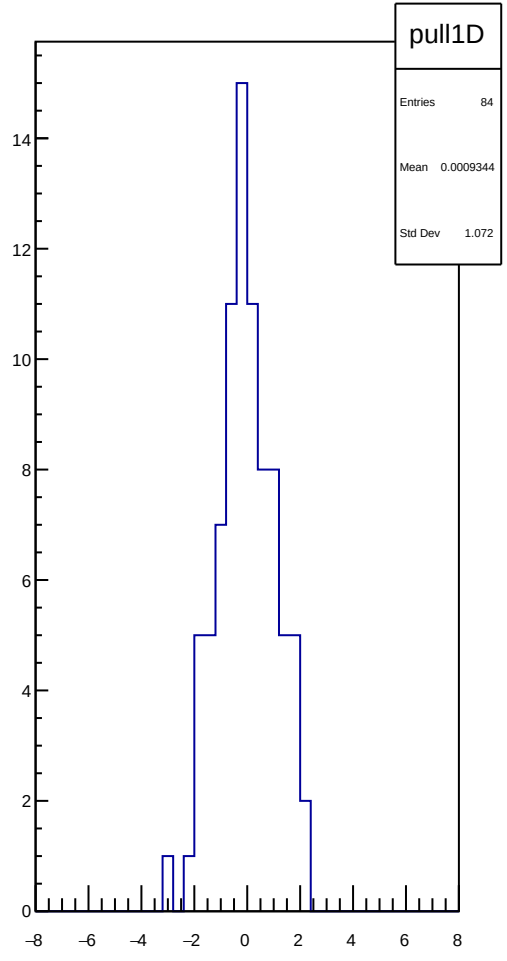

dit_asym_us_avg_rms vs run
χ² / ndf 159.4 / 83
p0 795.9 ± 0.6246
830
820
810
800
790
780
770

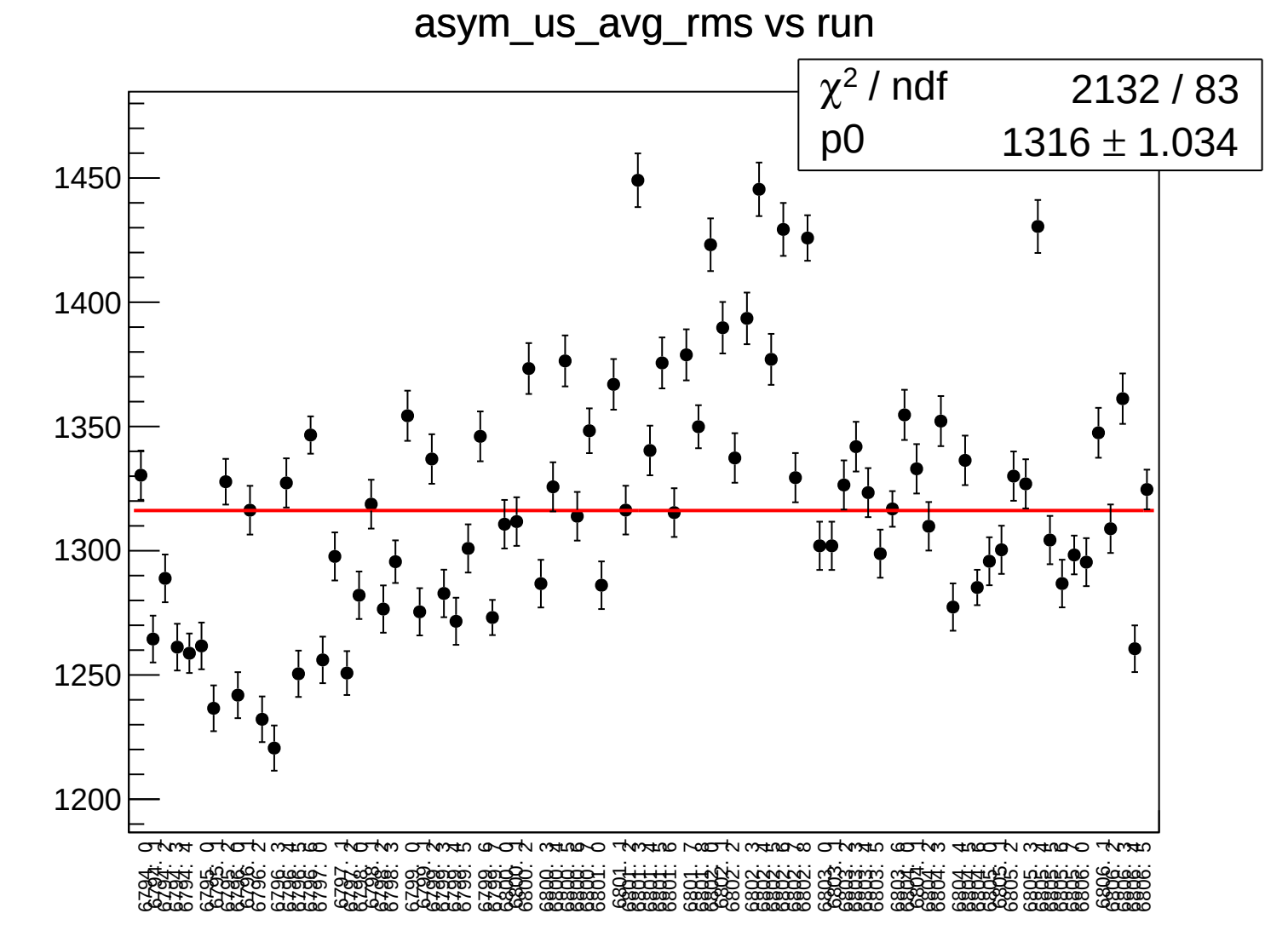

asym_us_avg_correction_mean vs run
χ² / ndf 91.61 / 83
p0 −1134 ± 1178
pull
Entries 84
Mean −303.7
Std Dev 359.7

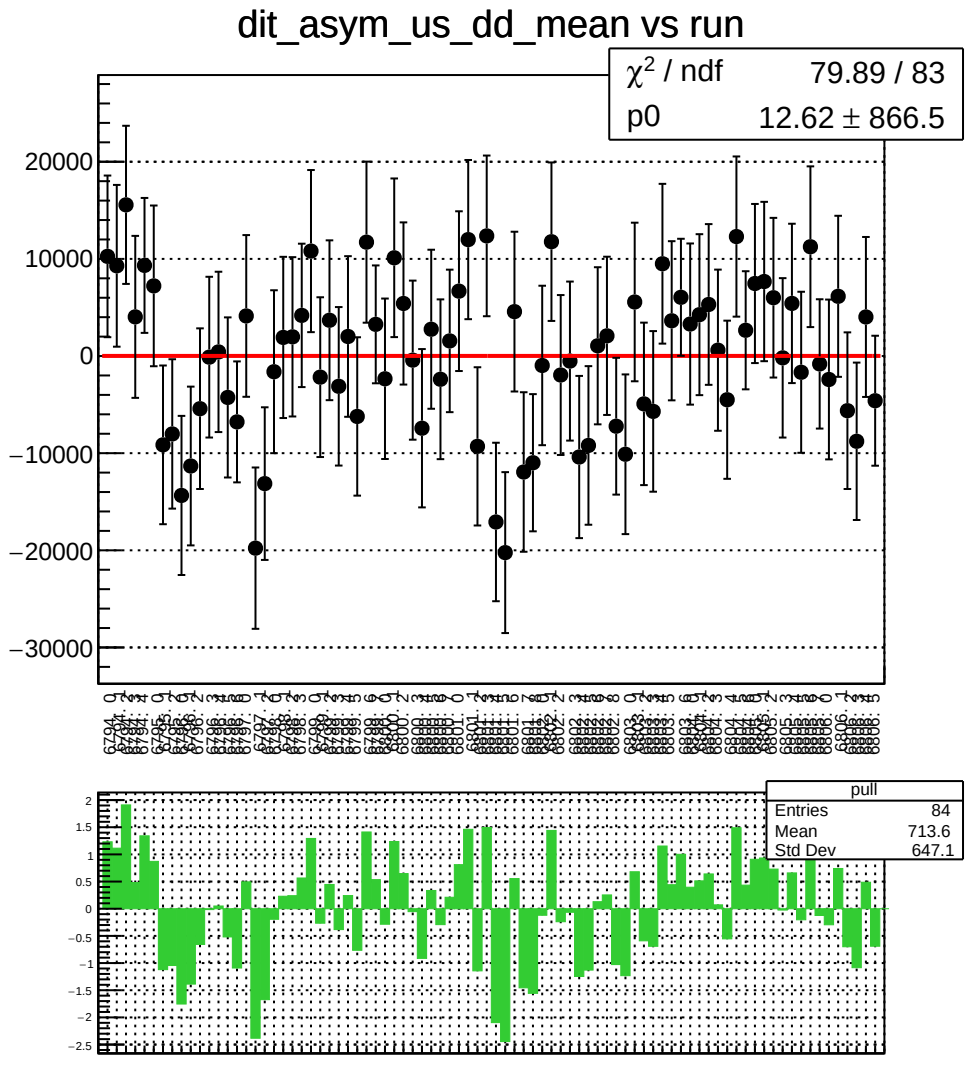

pull1D
Entries 84
Mean −0.008659
Std Dev 1.044

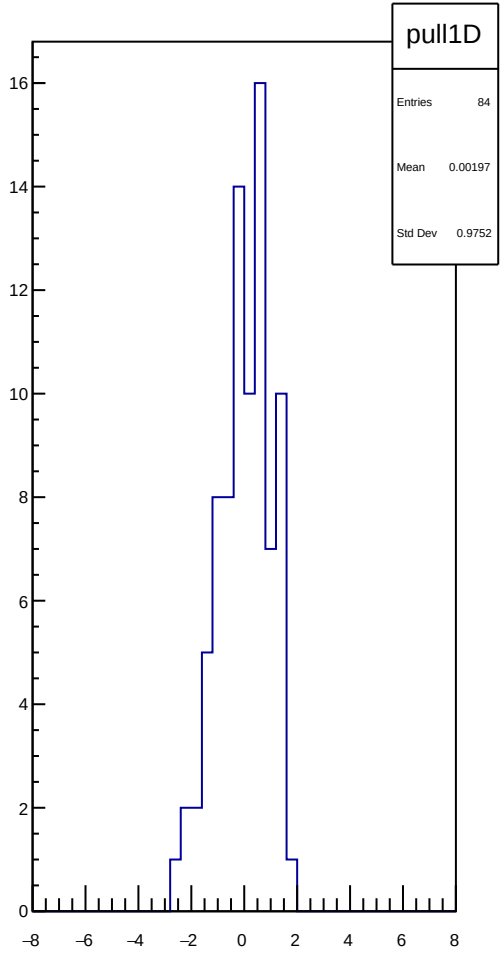

asym_us_avg_correction_rms vs run
χ² / ndf 4217 / 83
p0 1060 ± 0.8333
1200
1150
1100
1050
1000
950

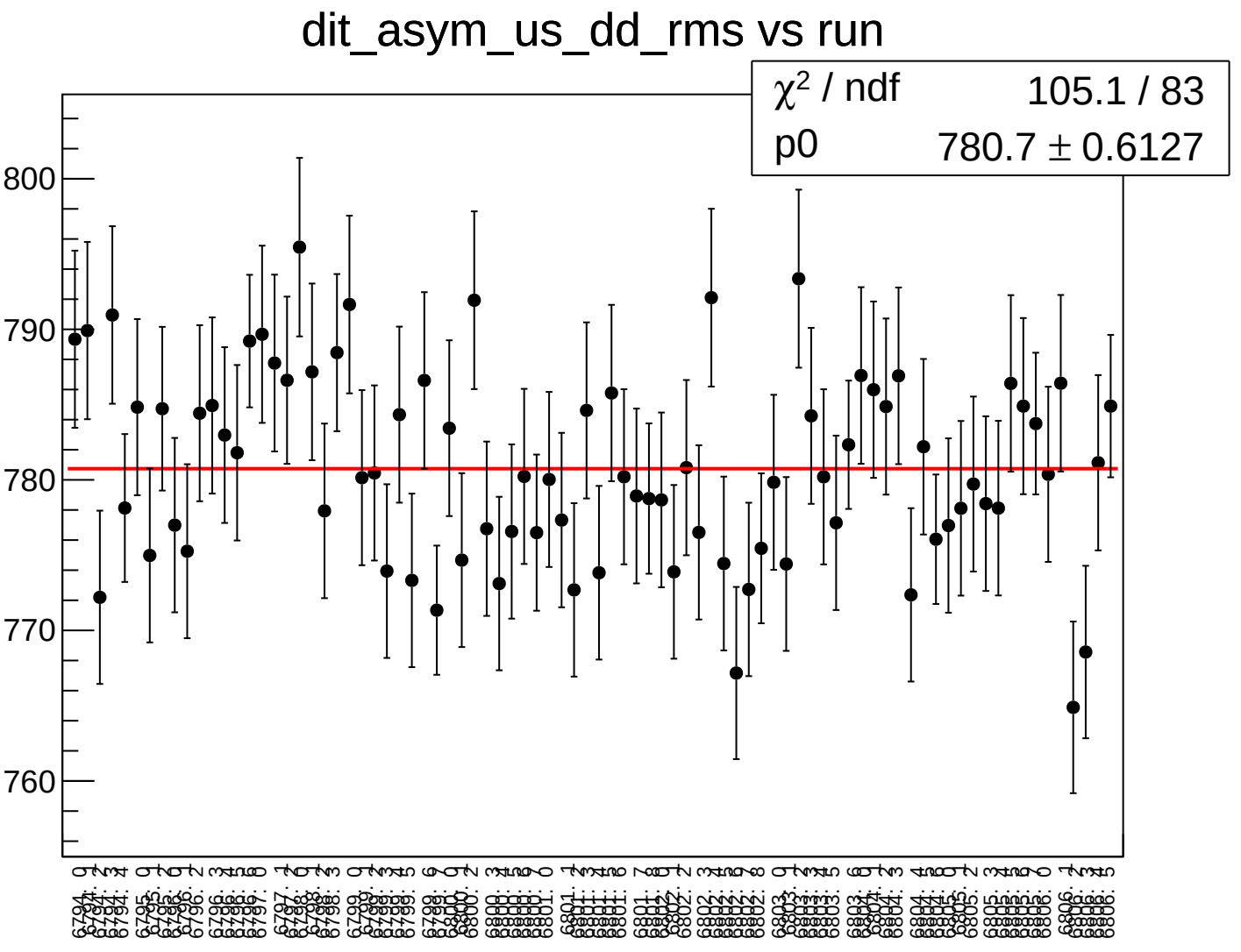

asym_us_avg_mean vs run
χ² / ndf 96.53 / 83
p0 899.9 ± 1462
40000
20000
0
−20000
−40000
−60000
pull
Entries 84
Mean −3195
Std Dev 3247
2
1
0
−1
−2
−3

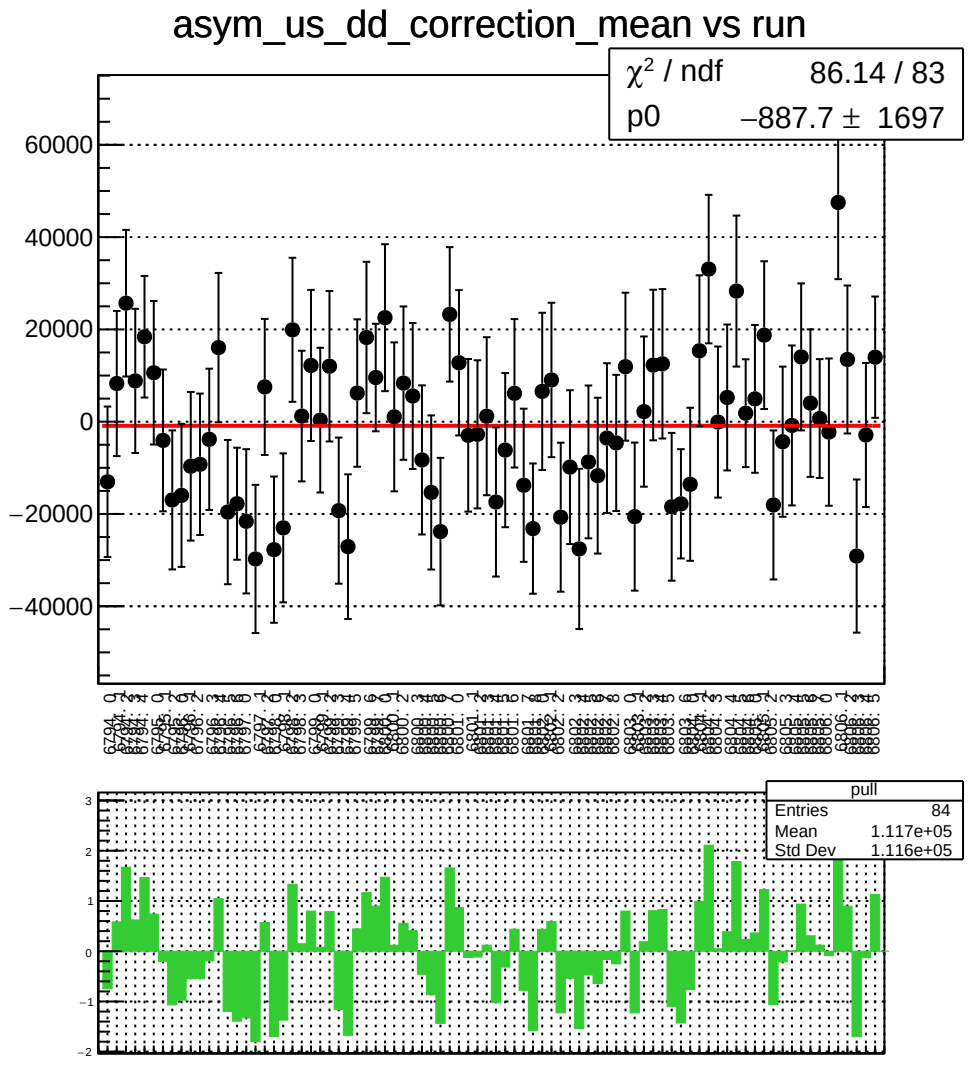

pull1D
Entries 84
Mean 0.0009344
Std Dev 1.072
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

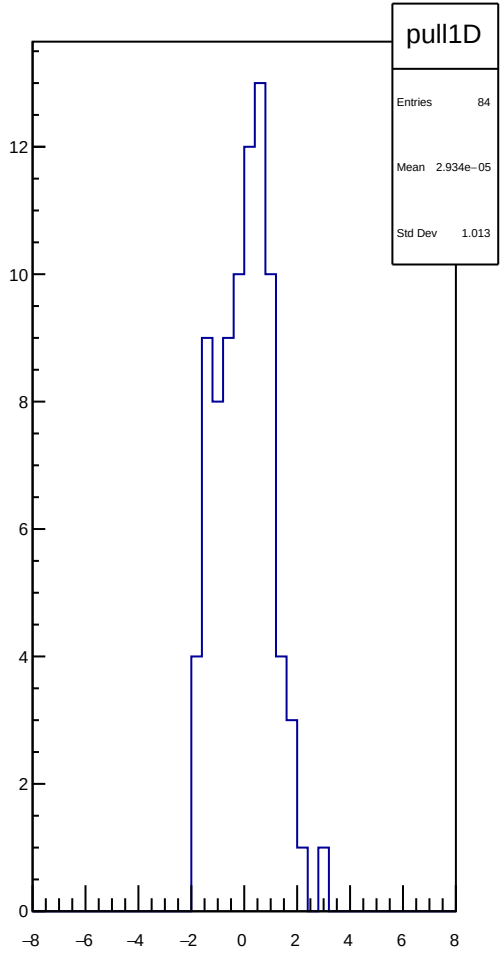

asym_us_avg_rms vs run
χ^2 / ndf 2132 / 83
p0 1316 ± 1.034
1450
1400
1350
1300
1250
1200

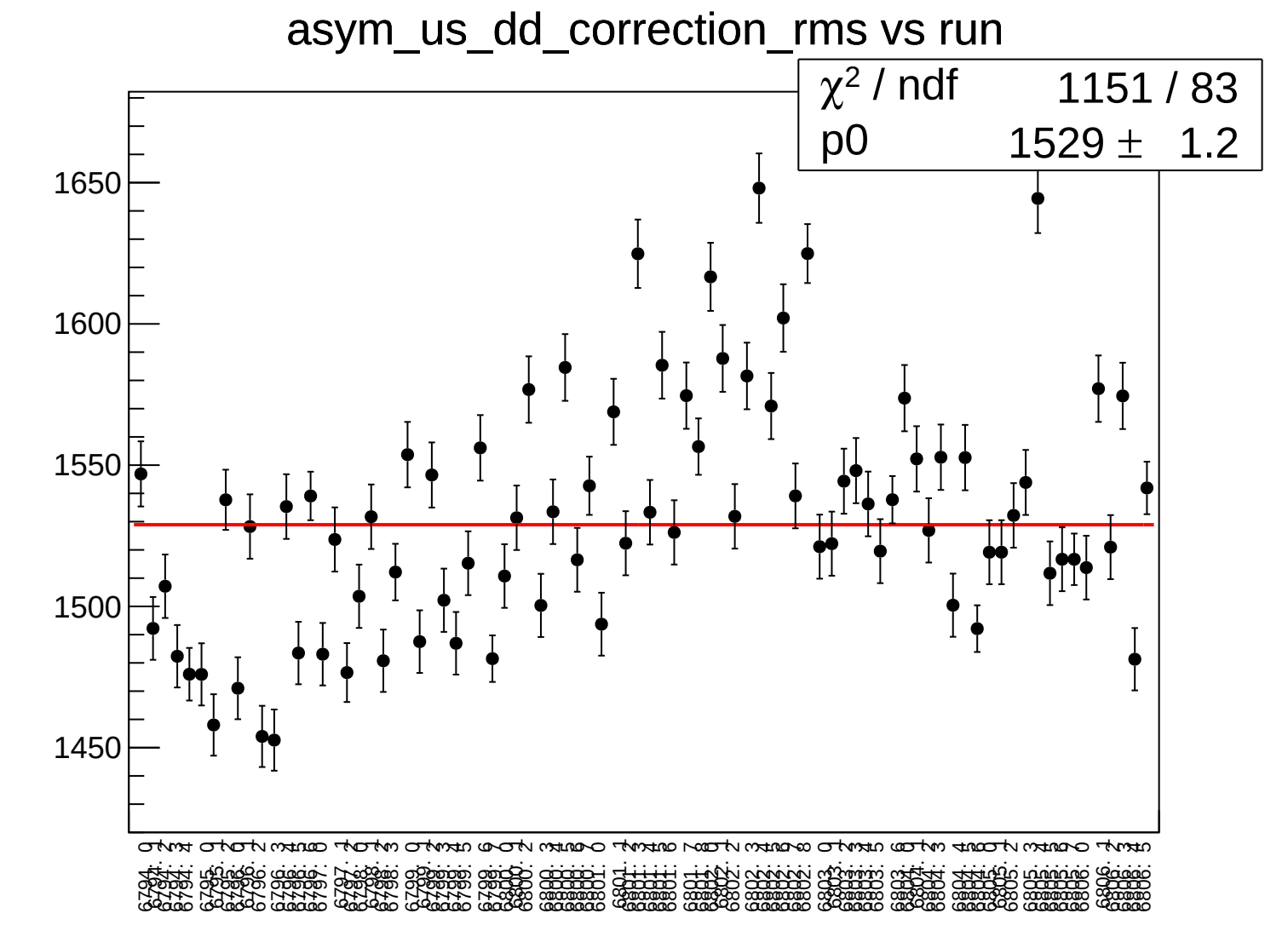

dit_asym_us_dd_mean vs run
χ² / ndf 79.89 / 83
p0 12.62 ± 866.5
20000
10000
0
−10000
−20000
−30000
pull
Entries 84
Mean 713.6
Std Dev 647.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

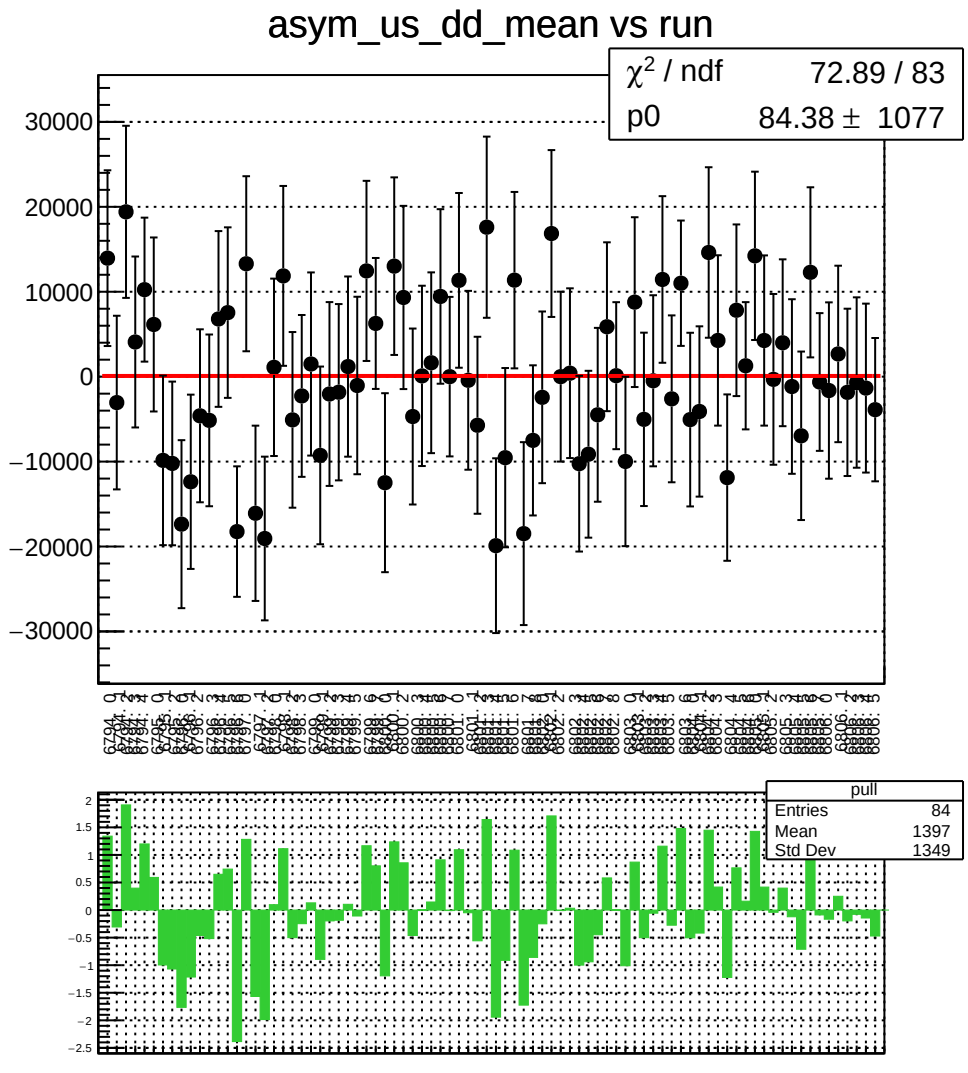

pull1D
Entries 84
Mean 0.00197
Std Dev 0.9752
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

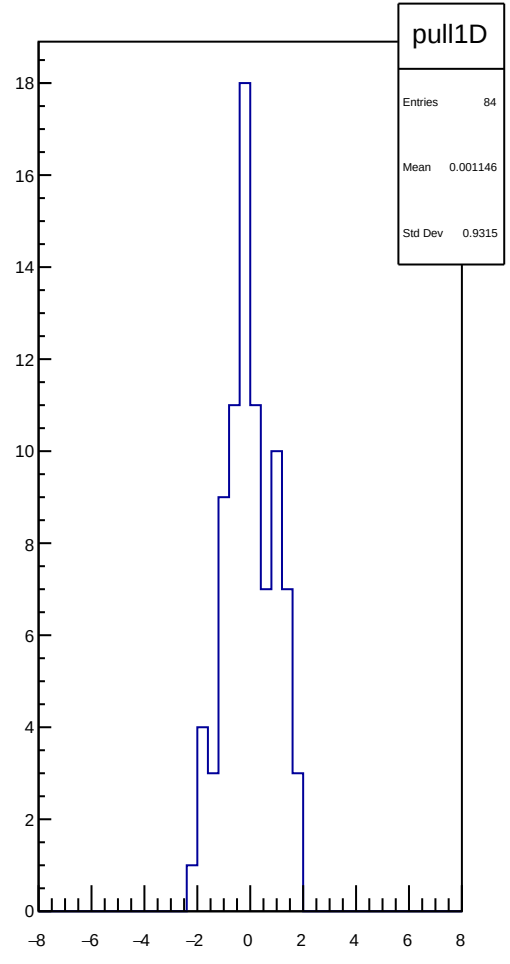

dit_asym_us_dd_rms vs run
χ² / ndf 105.1 / 83
p0 780.7 ± 0.6127
800
790
780
770
760

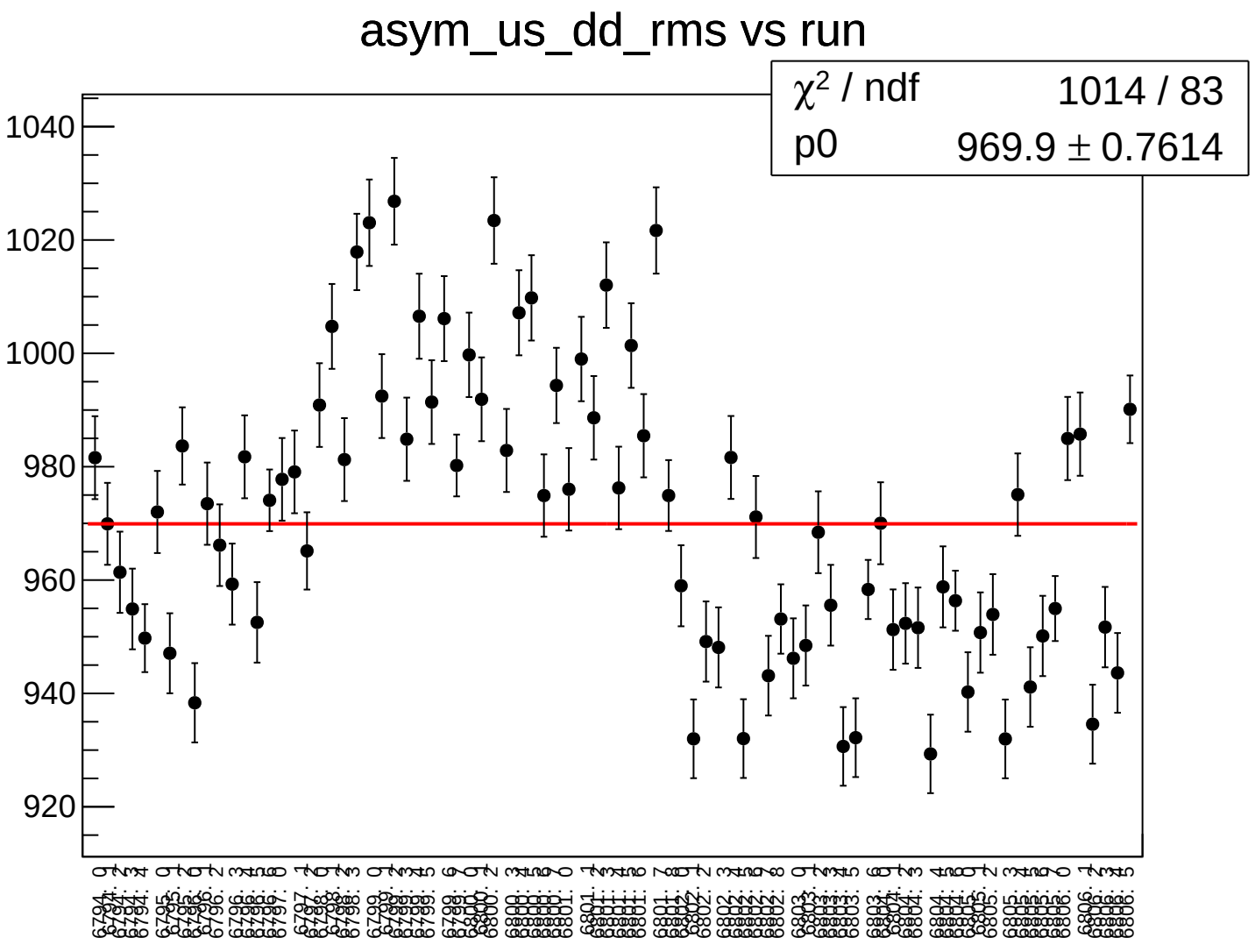

asym_us_dd_correction_mean vs run
χ² / ndf 86.14 / 83
p0 −887.7 ± 1697
60000
40000
20000
0
−20000
−40000
pull
Entries 84
Mean 1.117e+05
Std Dev 1.116e+05
3
2
1
0
−1
−2

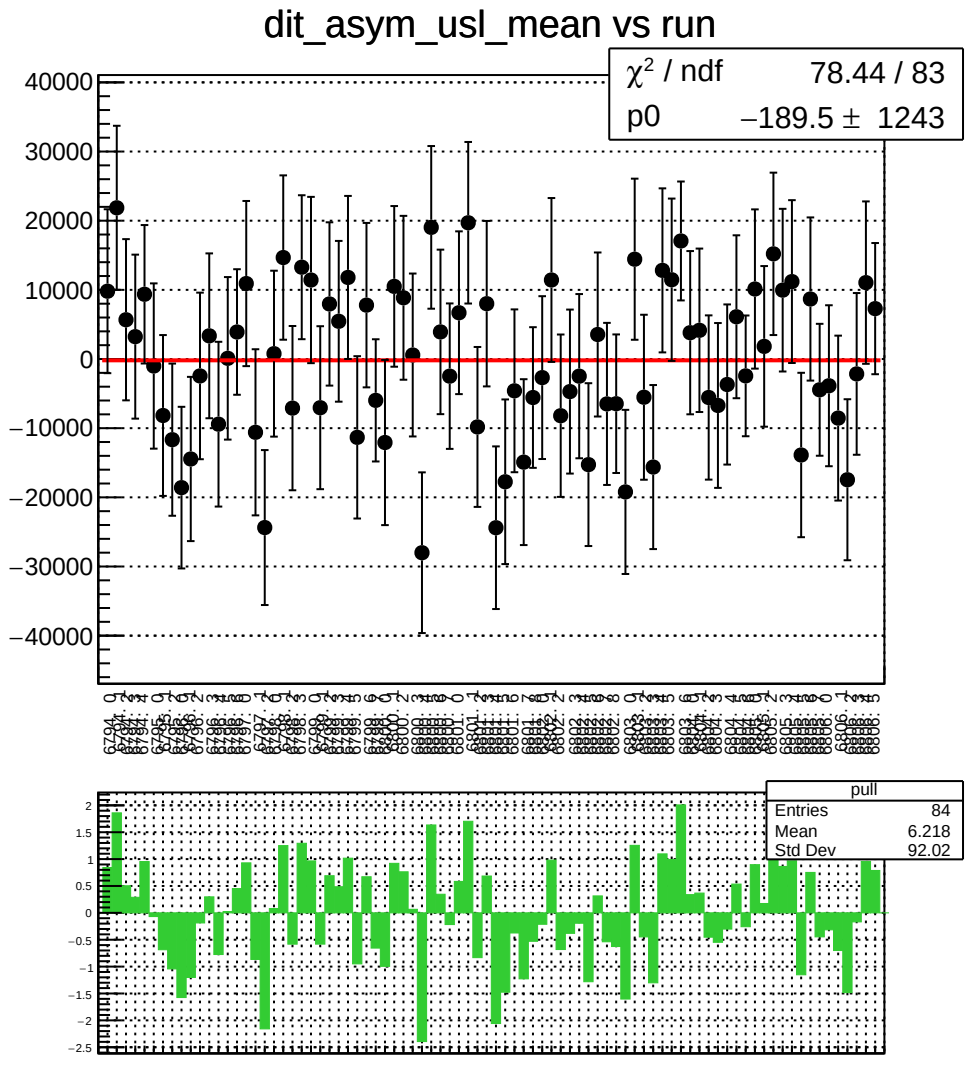

pull1D
Entries 84
Mean 2.934e−05
Std Dev 1.013
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

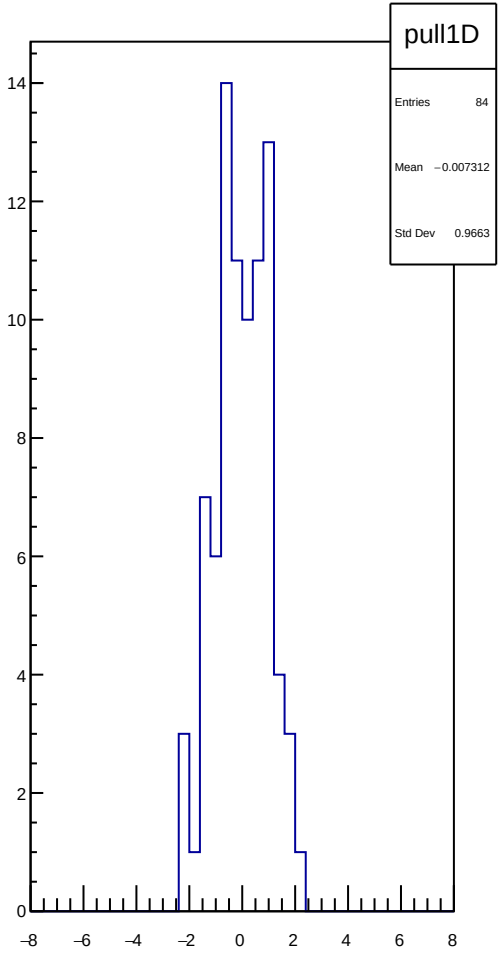

asym_us_dd_correction_rms vs run
χ² / ndf 1151 / 83
p0 1529 ± 1.2
1650
1600
1550
1500
1450

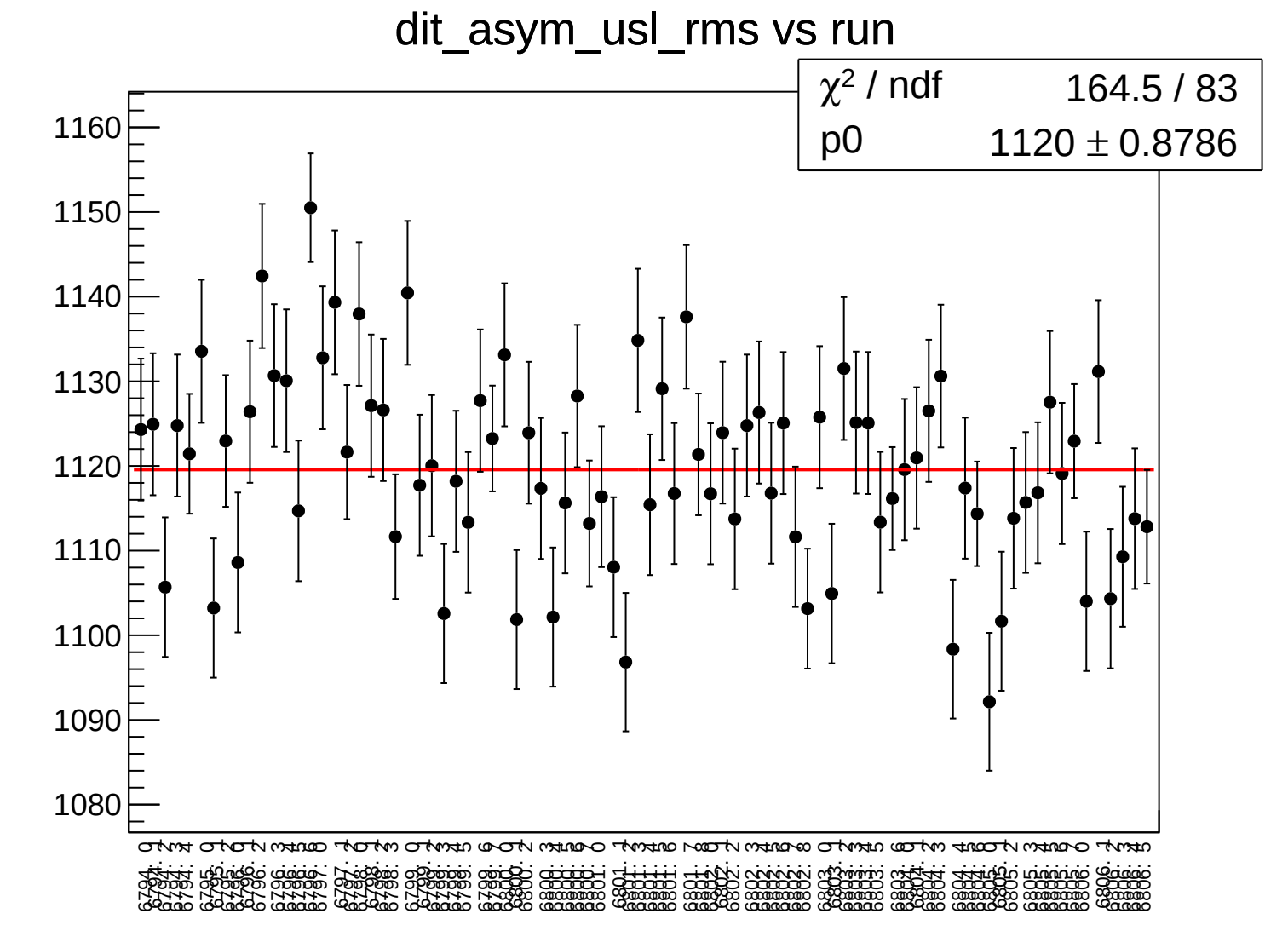

asym_us_dd_mean vs run
χ² / ndf 72.89 / 83
p0 84.38 ± 1077
pull
Entries 84
Mean 1397
Std Dev 1349

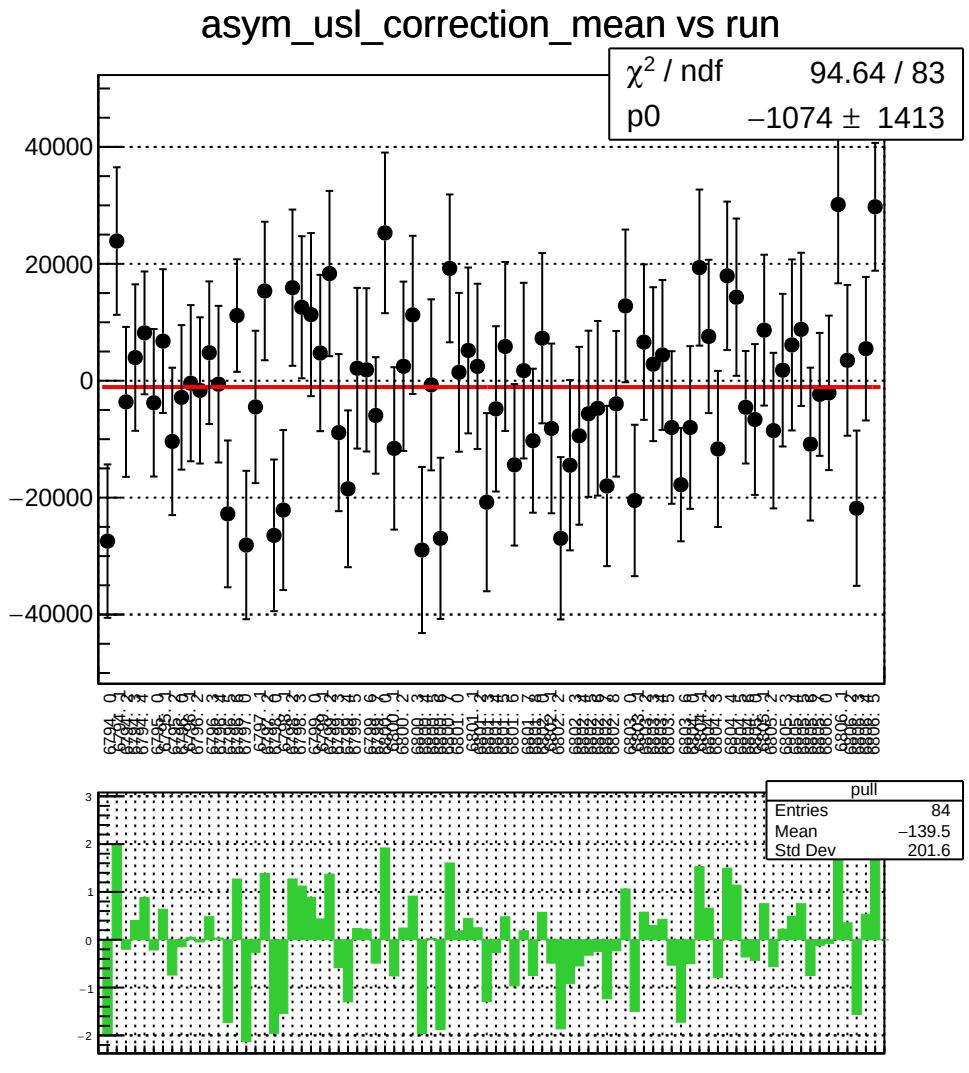

pull1D
Entries 84
Mean 0.001146
Std Dev 0.9315

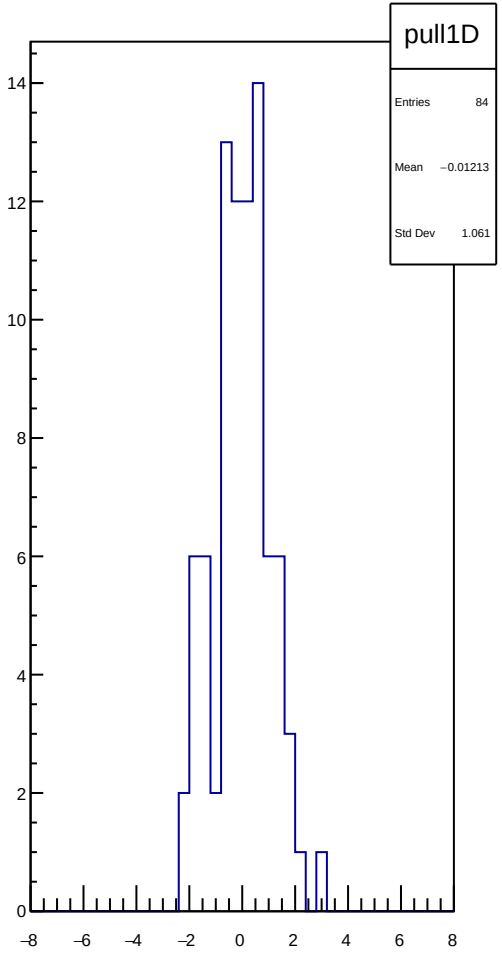

asym_us_dd_rms vs run
χ² / ndf 1014 / 83
p0 969.9 ± 0.7614
1040
1020
1000
980
960
940
920

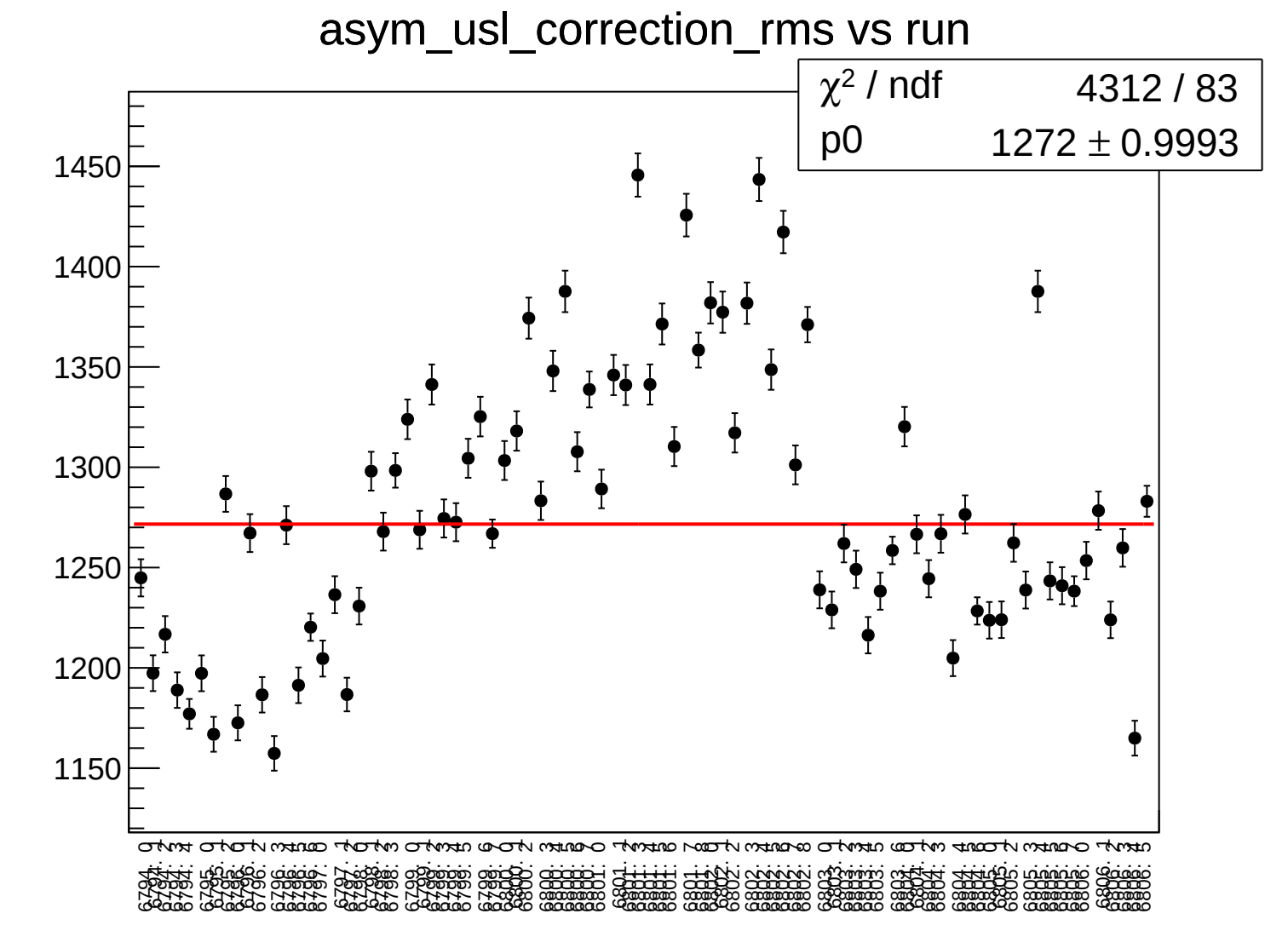

dit_asym_usl_mean vs run
χ² / ndf 78.44 / 83
p0 −189.5 ± 1243
pull
Entries 84
Mean 6.218
Std Dev 92.02

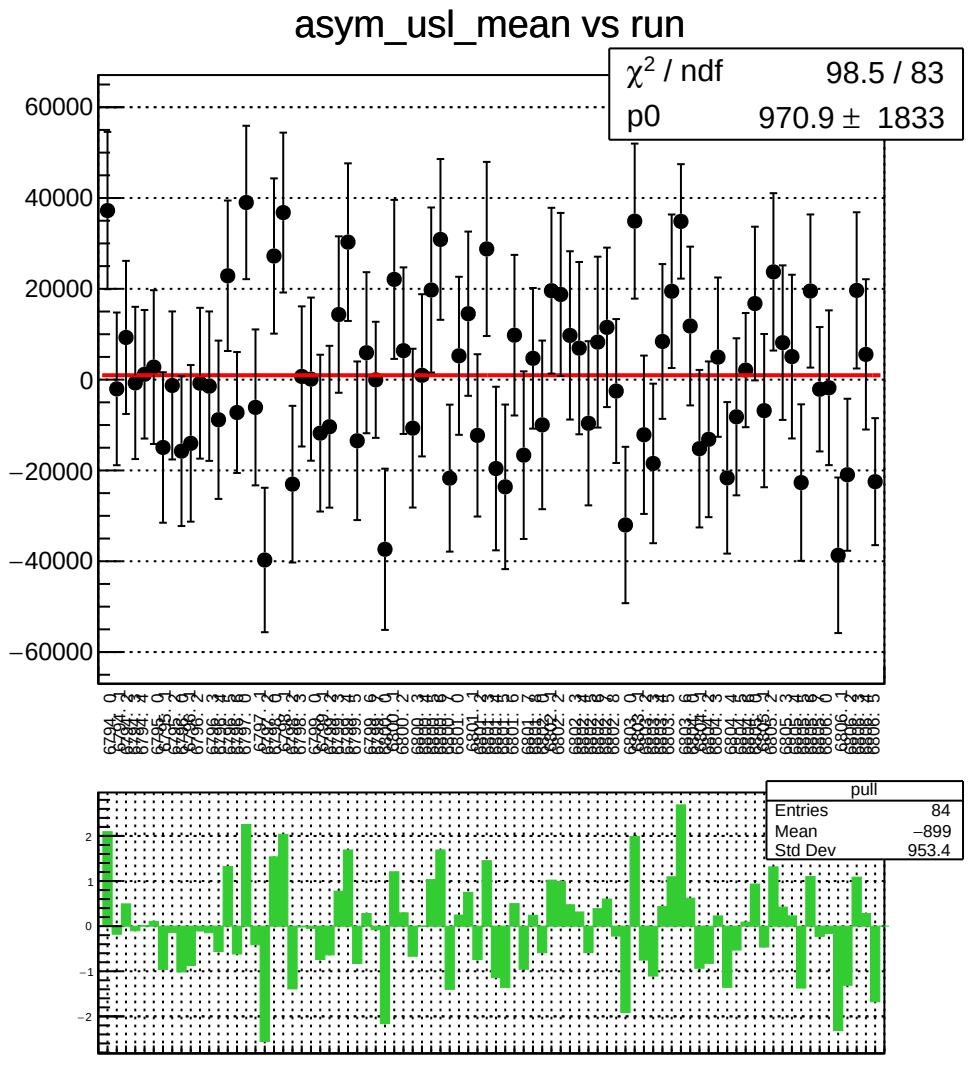

pull1D
Entries 84
Mean −0.007312
Std Dev 0.9663

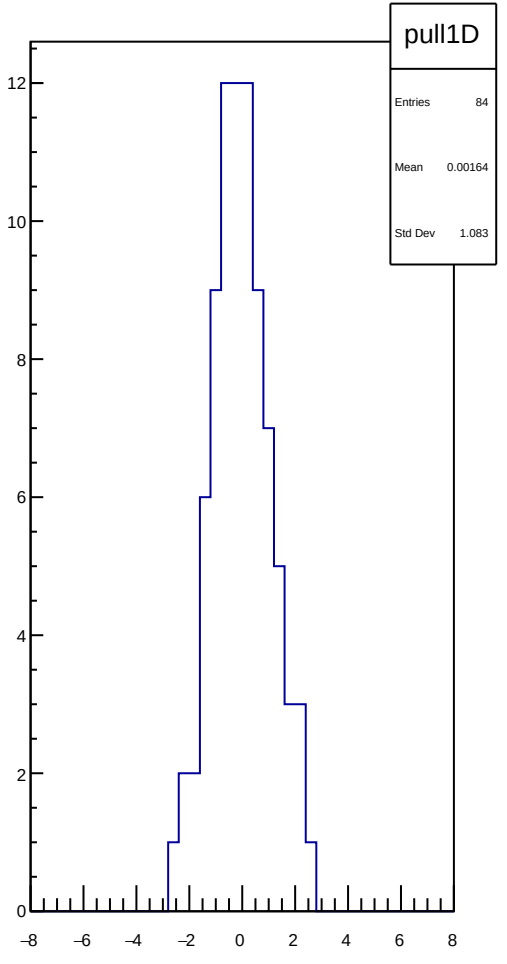

dit_asym_usl_rms vs run
χ² / ndf 164.5 / 83
p0 1120 ± 0.8786
1160
1150
1140
1130
1120
1110
1100
1090
1080

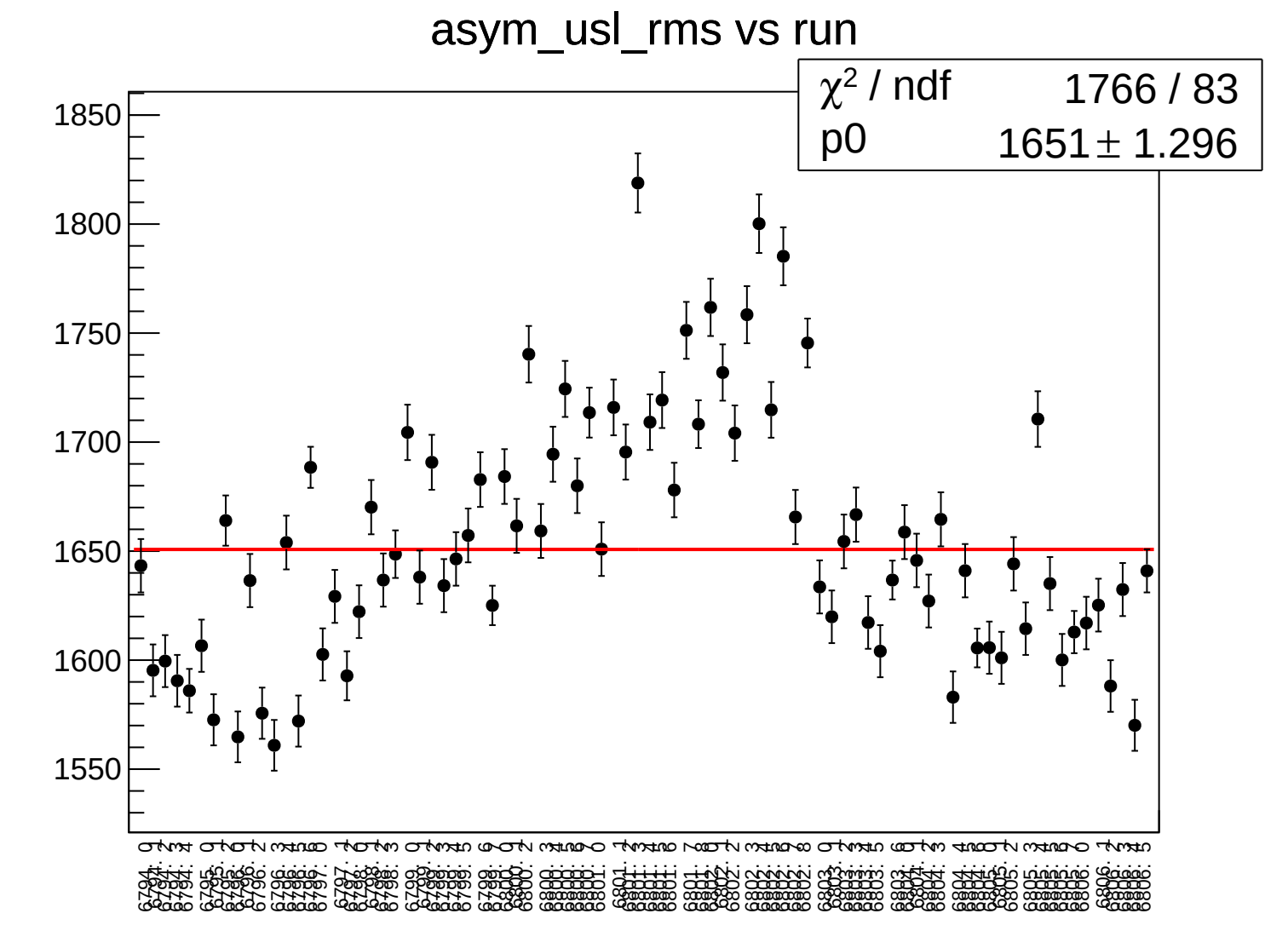

asym_usl_correction_mean vs run
χ² / ndf 94.64 / 83
p0 −1074 ± 1413
40000
20000
0
−20000
−40000
pull
Entries 84
Mean −139.5
Std Dev 201.6
3
2
1
0
−1
−2

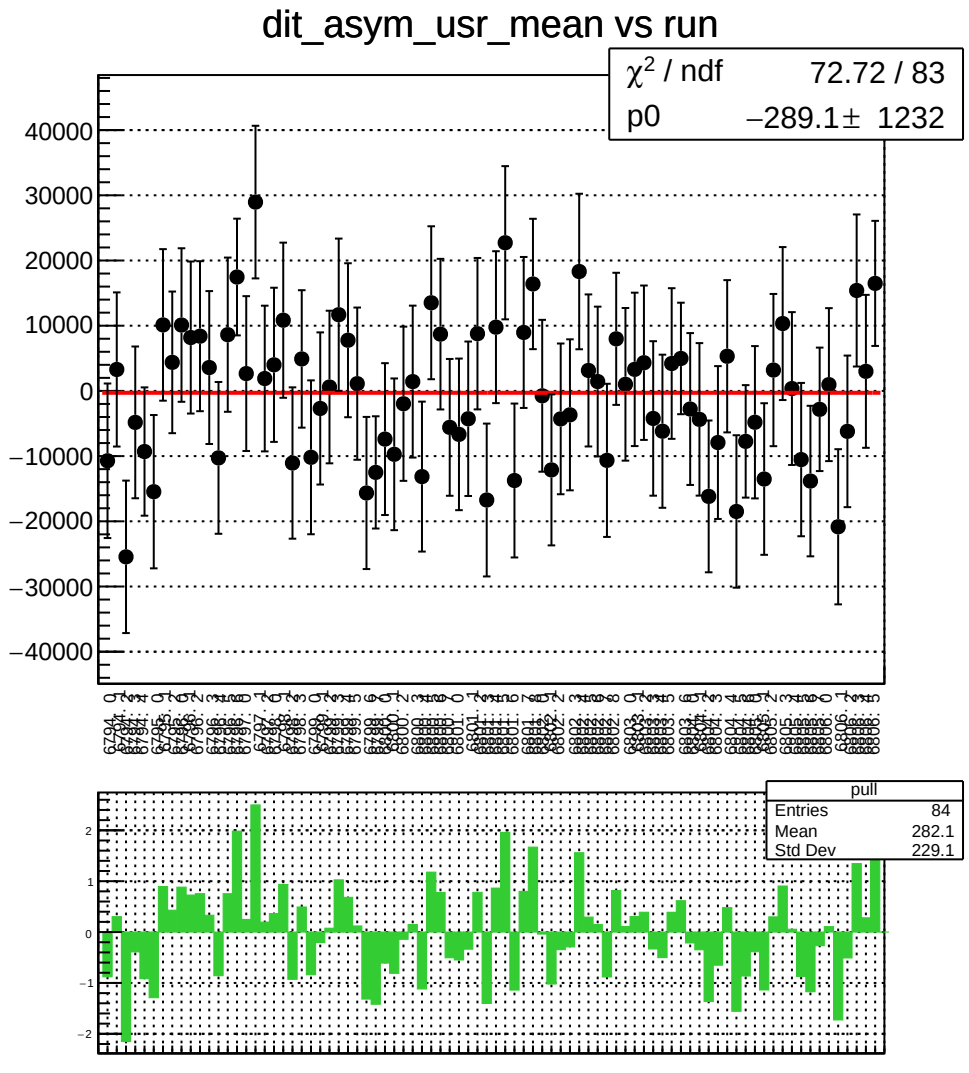

pull1D
Entries 84
Mean −0.01213
Std Dev 1.061
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

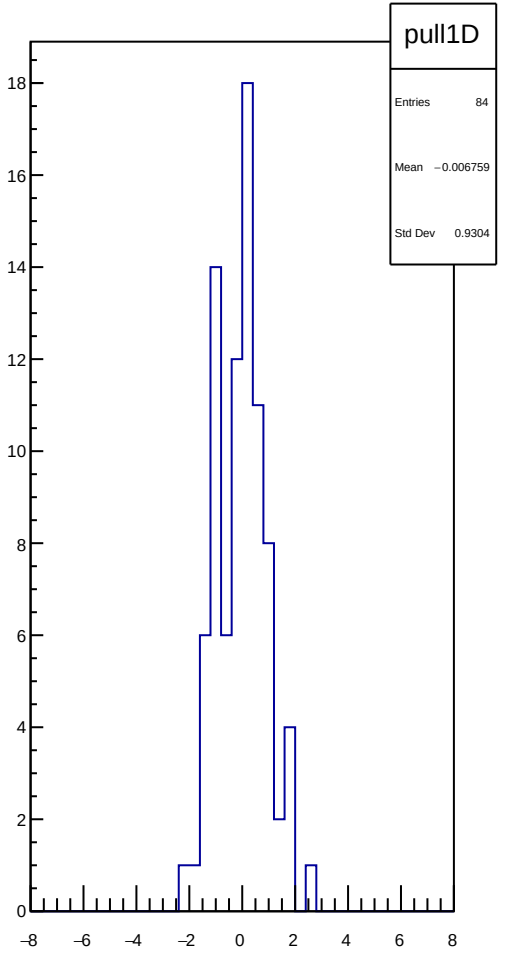

asym_usl_correction_rms vs run
χ² / ndf 4312 / 83
p0 1272 ± 0.9993
1450
1400
1350
1300
1250
1200
1150

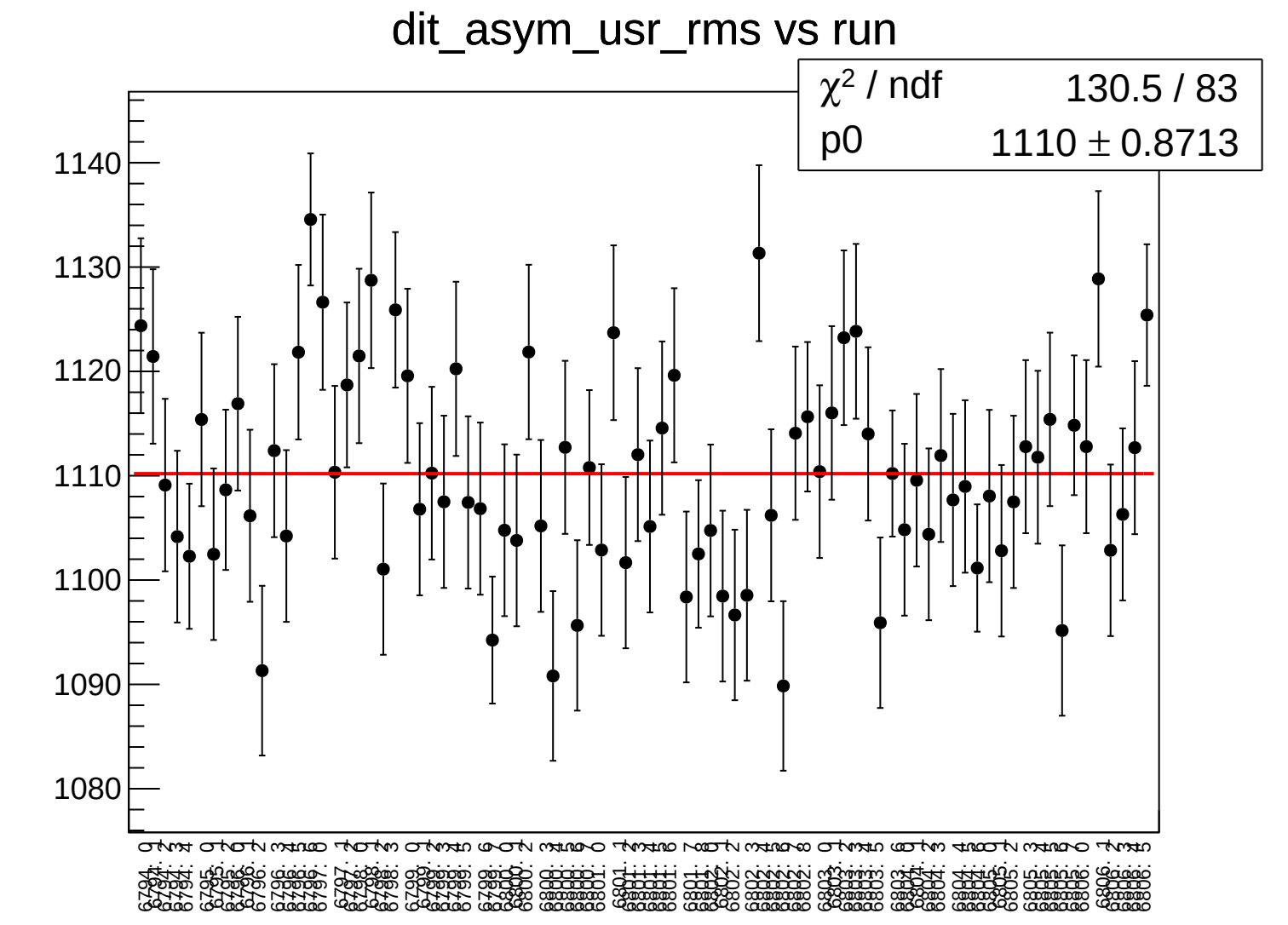

asym_usl_mean vs run
χ² / ndf 98.5 / 83
p0 970.9 ± 1833
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 84
Mean −899
Std Dev 953.4
2
1
0
−1
−2

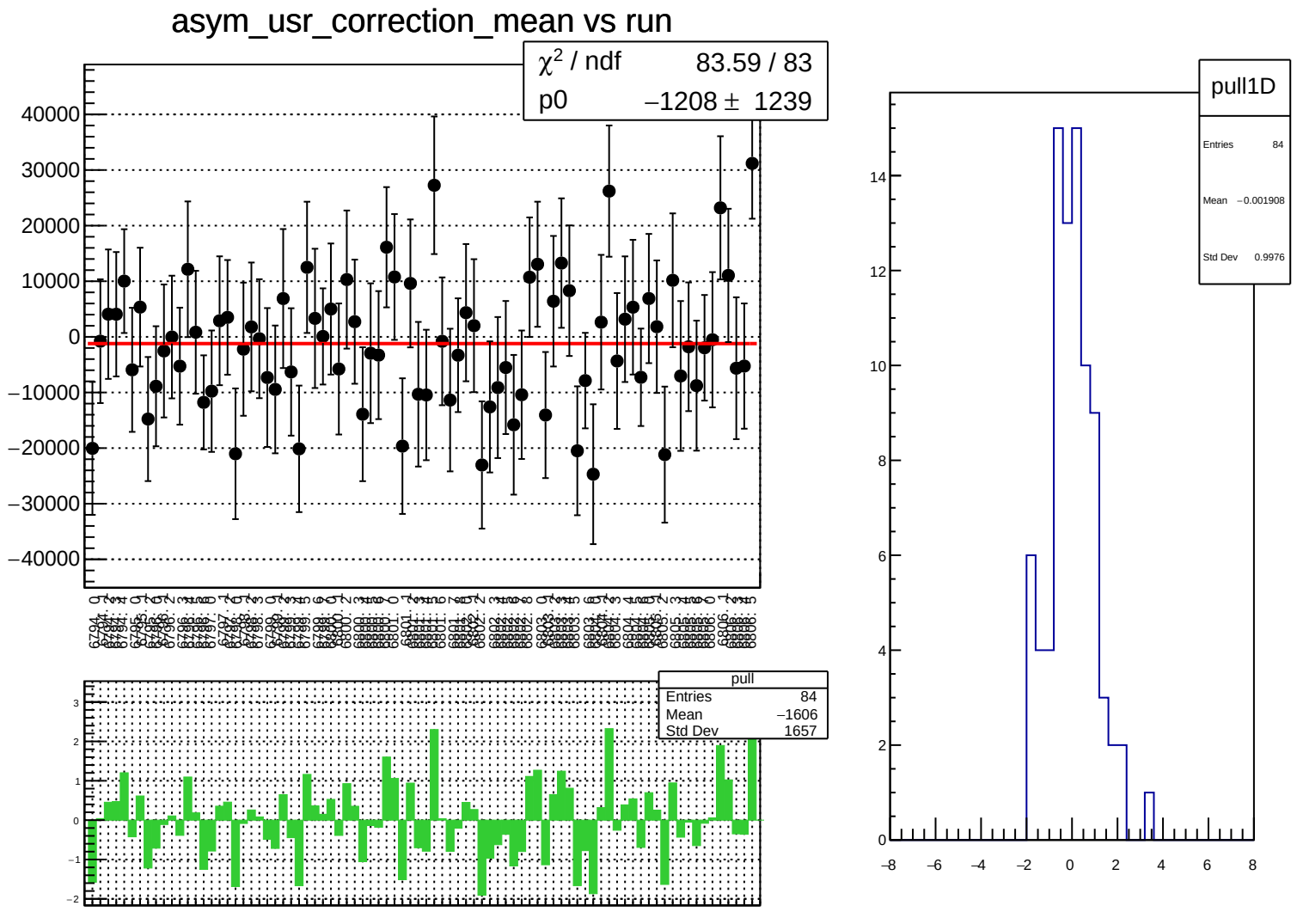

pull1D
Entries 84
Mean 0.00164
Std Dev 1.083
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

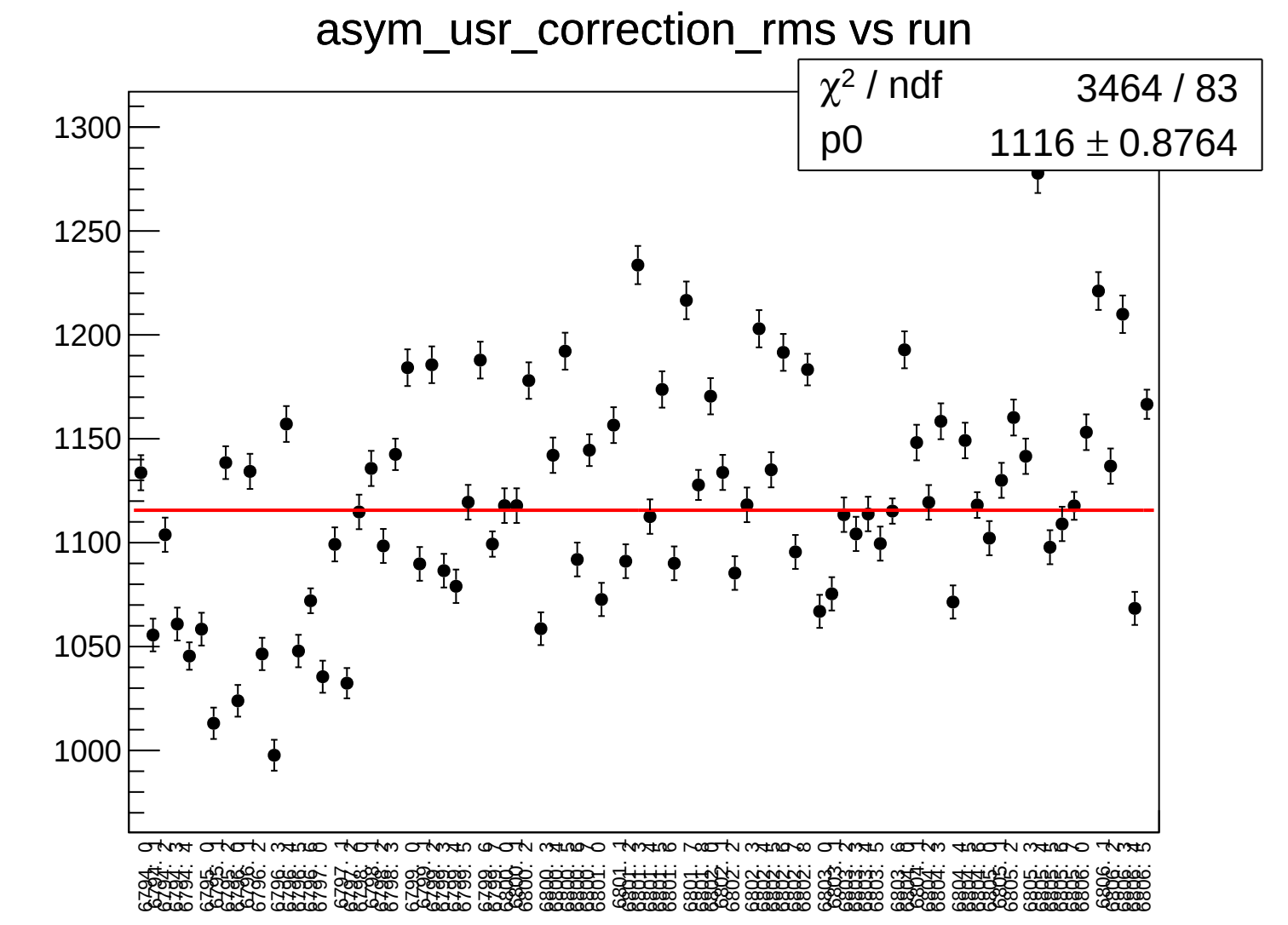

asym_usl_rms vs run
χ² / ndf 1766 / 83
p0 1651 ± 1.296
1850
1800
1750
1700
1650
1600
1550

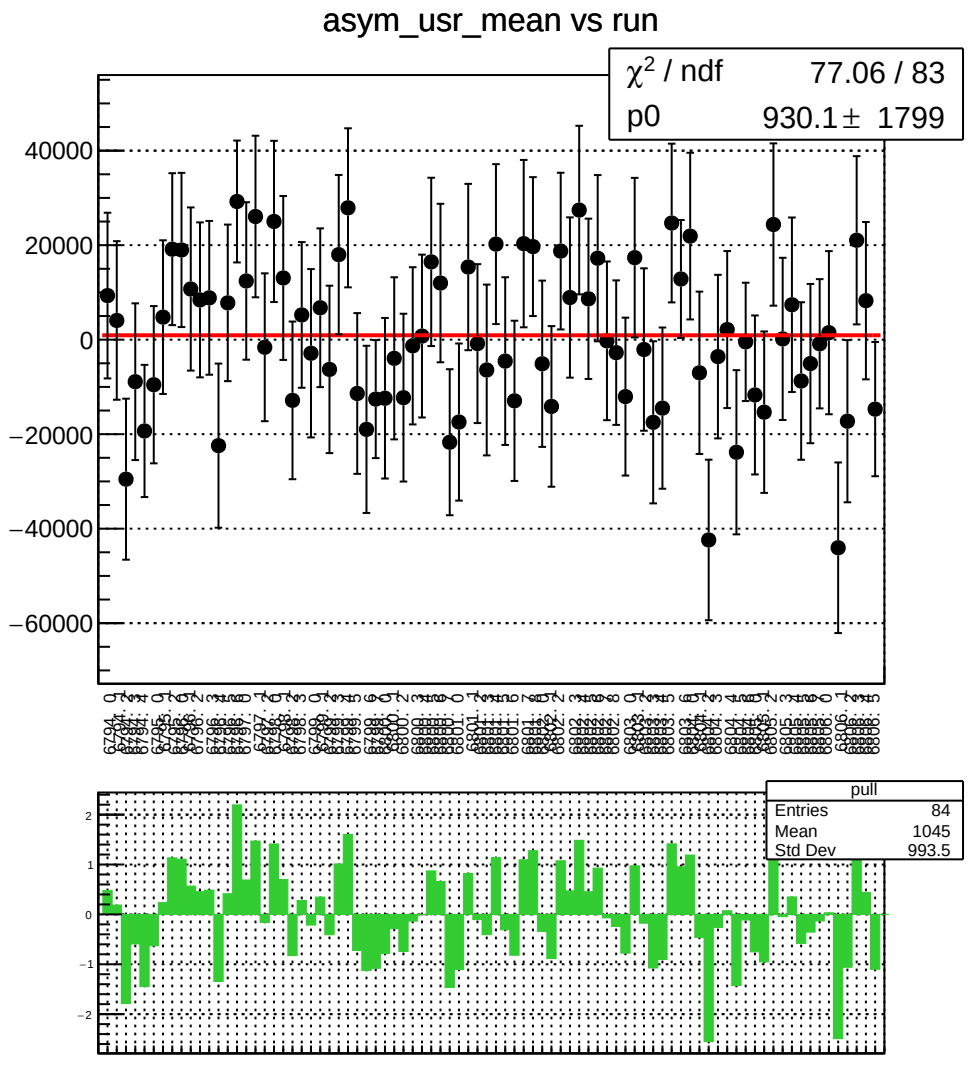

dit_asym_usr_mean vs run
χ² / ndf 72.72 / 83
p0 −289.1± 1232
pull
Entries 84
Mean 282.1
Std Dev 229.1

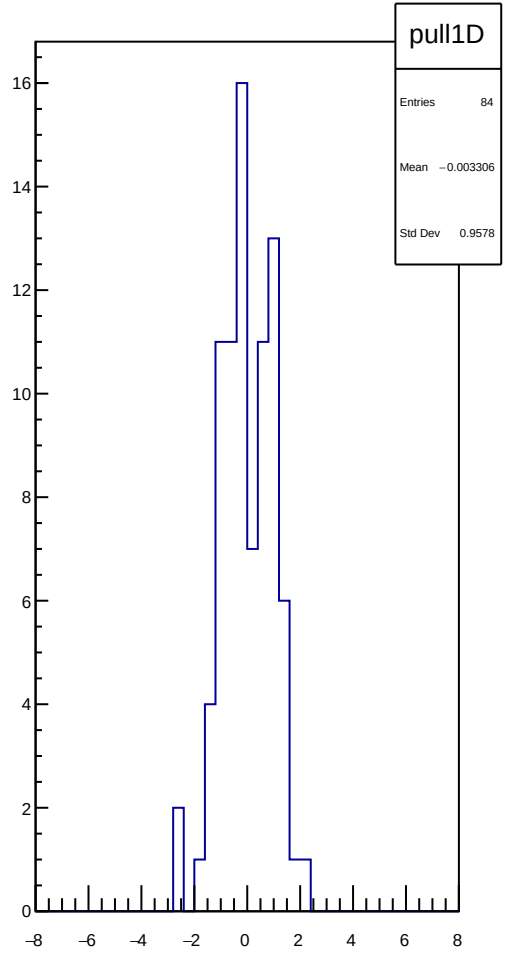

pull1D
Entries 84
Mean −0.006759
Std Dev 0.9304

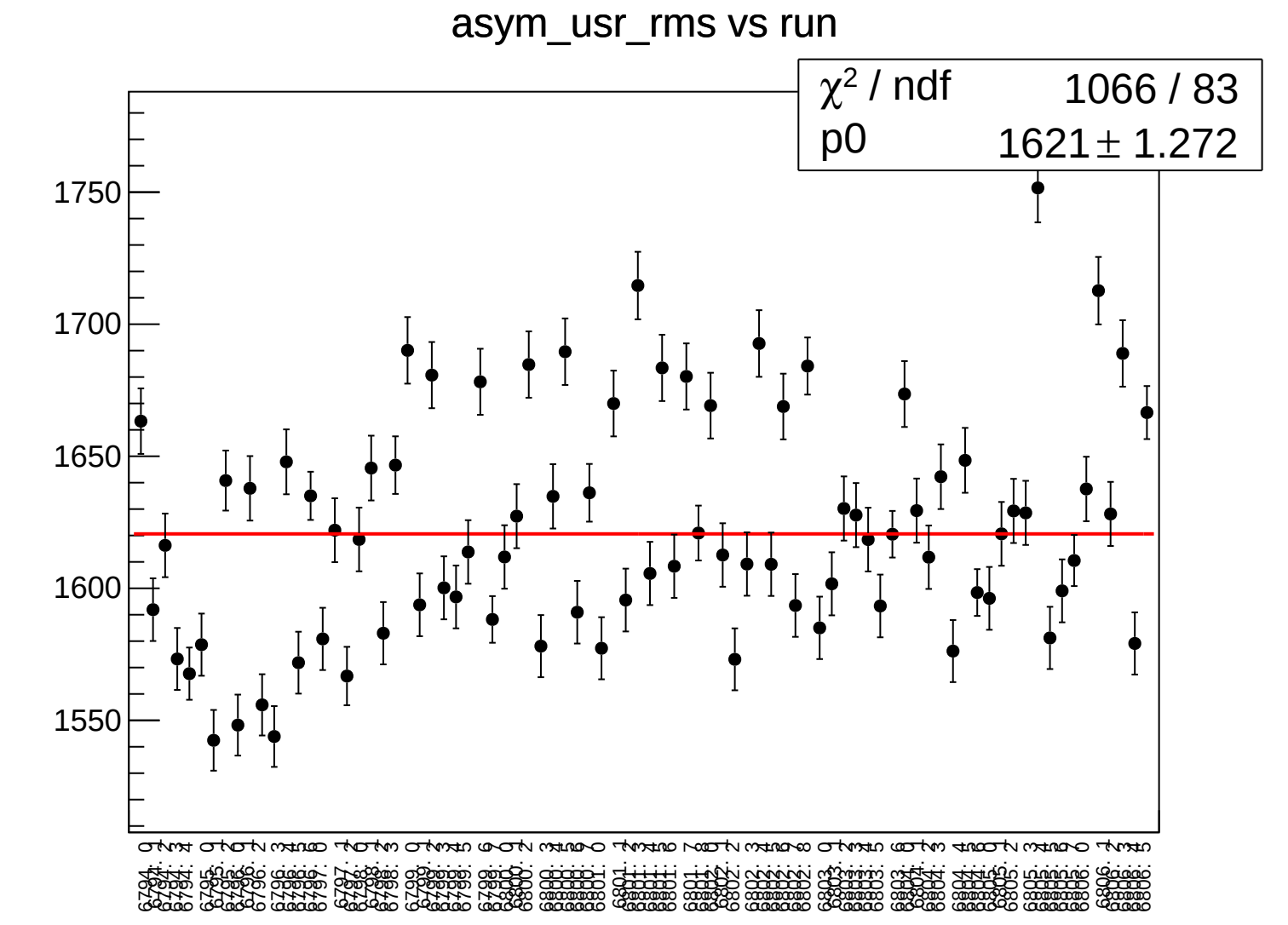

dit_asym_usr_rms vs run
χ² / ndf 130.5 / 83
p0 1110 ± 0.8713
1140
1130
1120
1110
1100
1090
1080

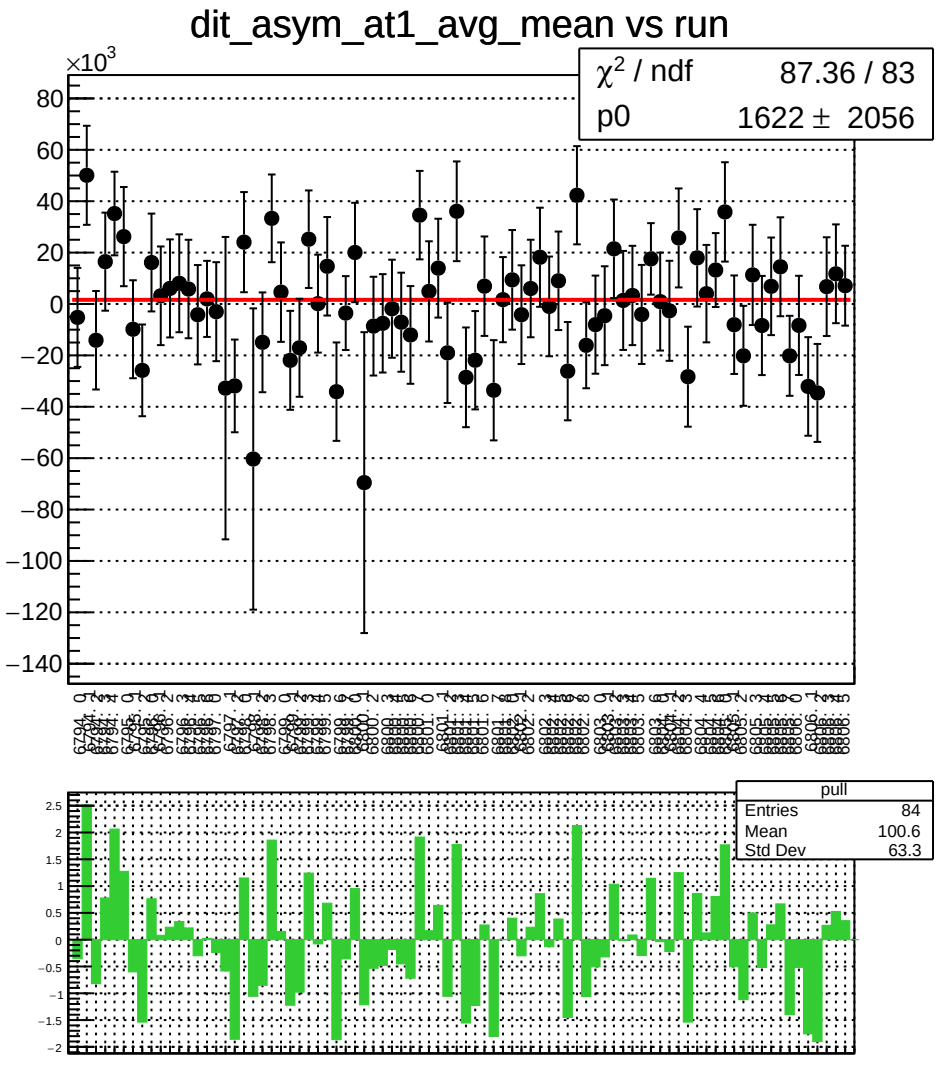

asym_usr_correction_mean vs run
χ² / ndf 83.59 / 83
p0 −1208 ± 1239
pull
Entries 84
Mean −1606
Std Dev 1657
pull1D
Entries 84
Mean −0.001908
Std Dev 0.9976

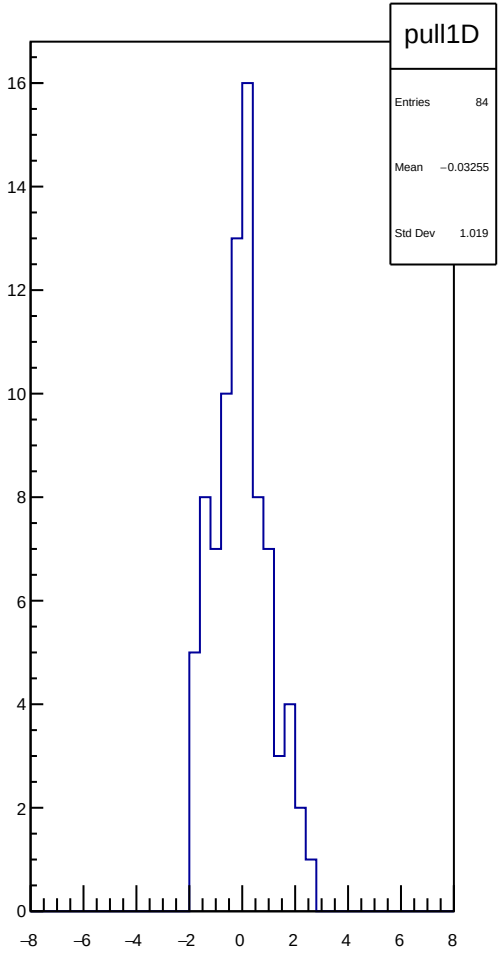

asym_usr_correction_rms vs run
χ² / ndf 3464 / 83
p0 1116 ± 0.8764
1300
1250
1200
1150
1100
1050
1000

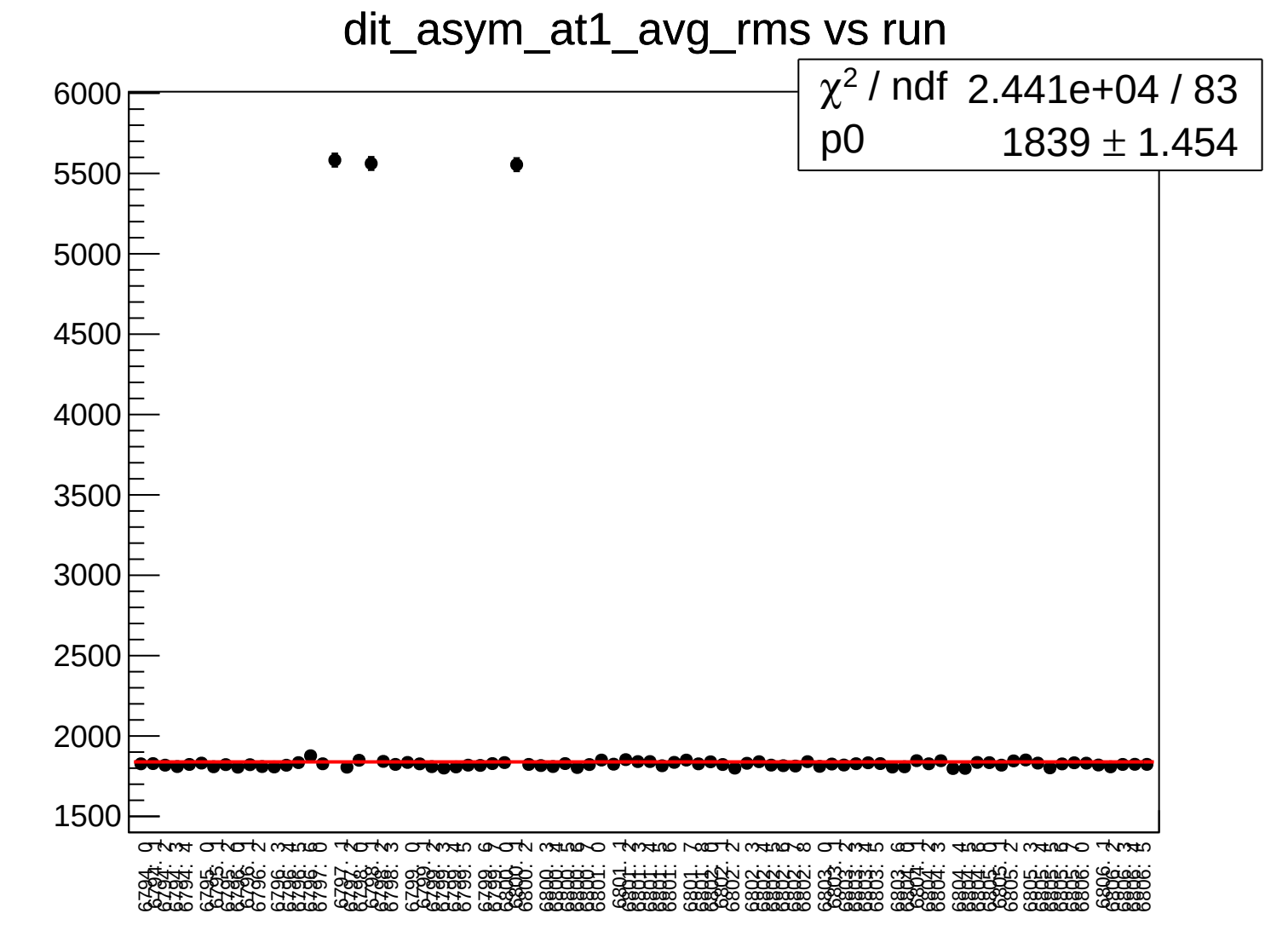

asym_usr_mean vs run
χ² / ndf 77.06 / 83
p0 930.1 ± 1799
40000
20000
0
−20000
−40000
−60000
pull
Entries 84
Mean 1045
Std Dev 993.5
2
1
0
−1
−2

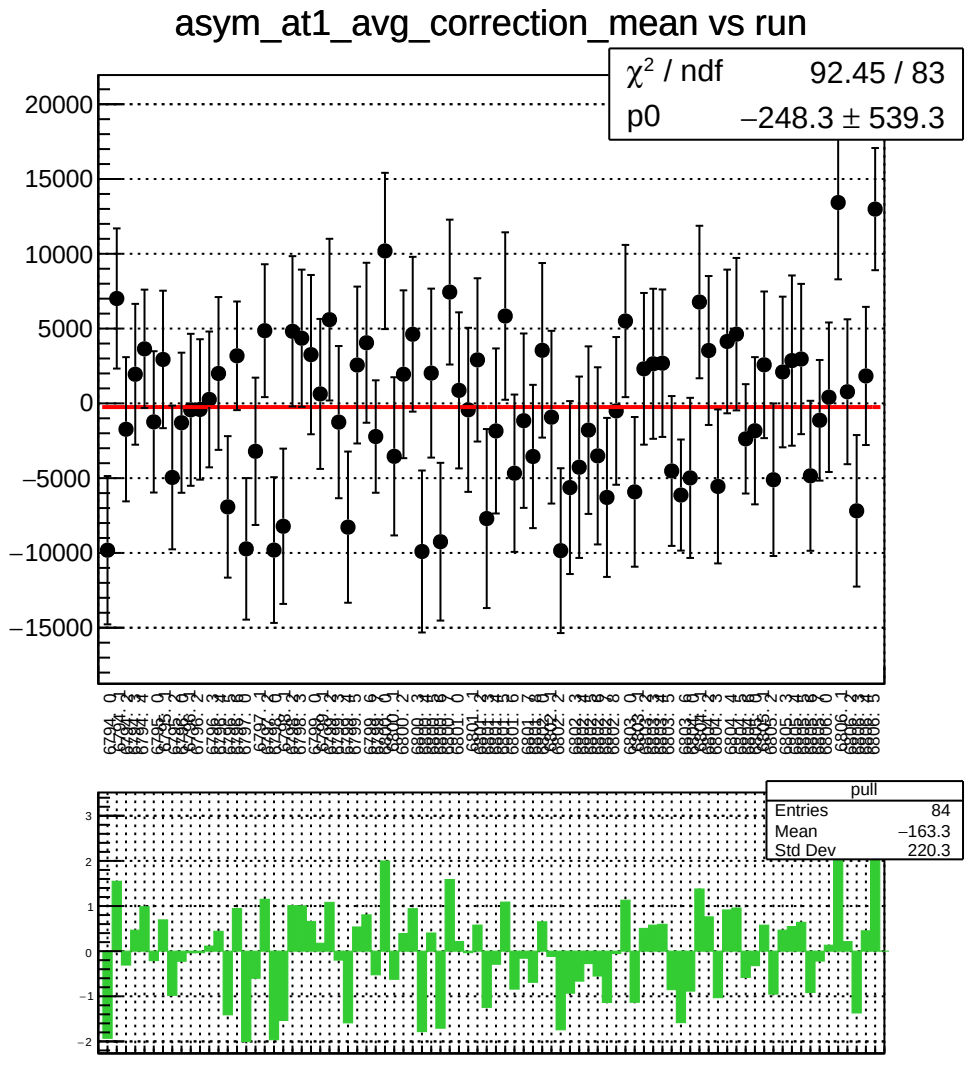

pull1D
Entries 84
Mean −0.003306
Std Dev 0.9578
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

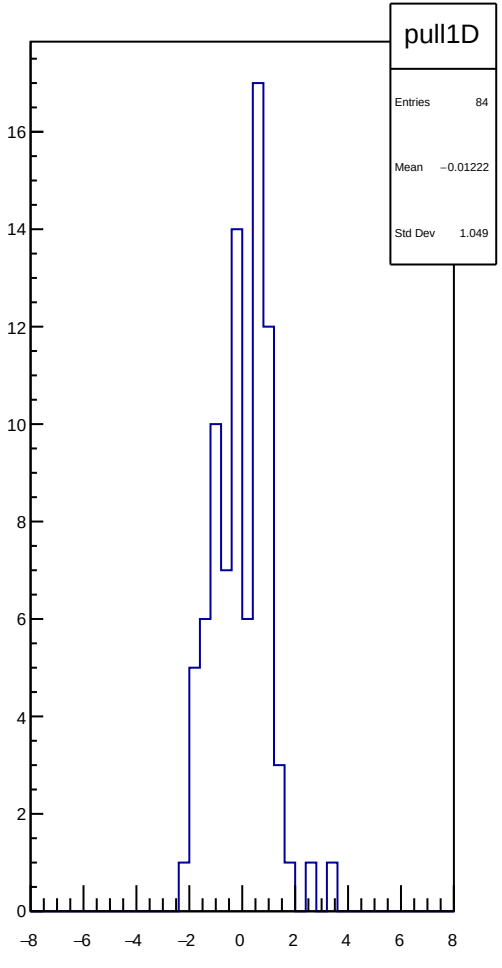

asym_usr_rms vs run
χ² / ndf 1066 / 83
p0 1621 ± 1.272
1750
1700
1650
1600
1550

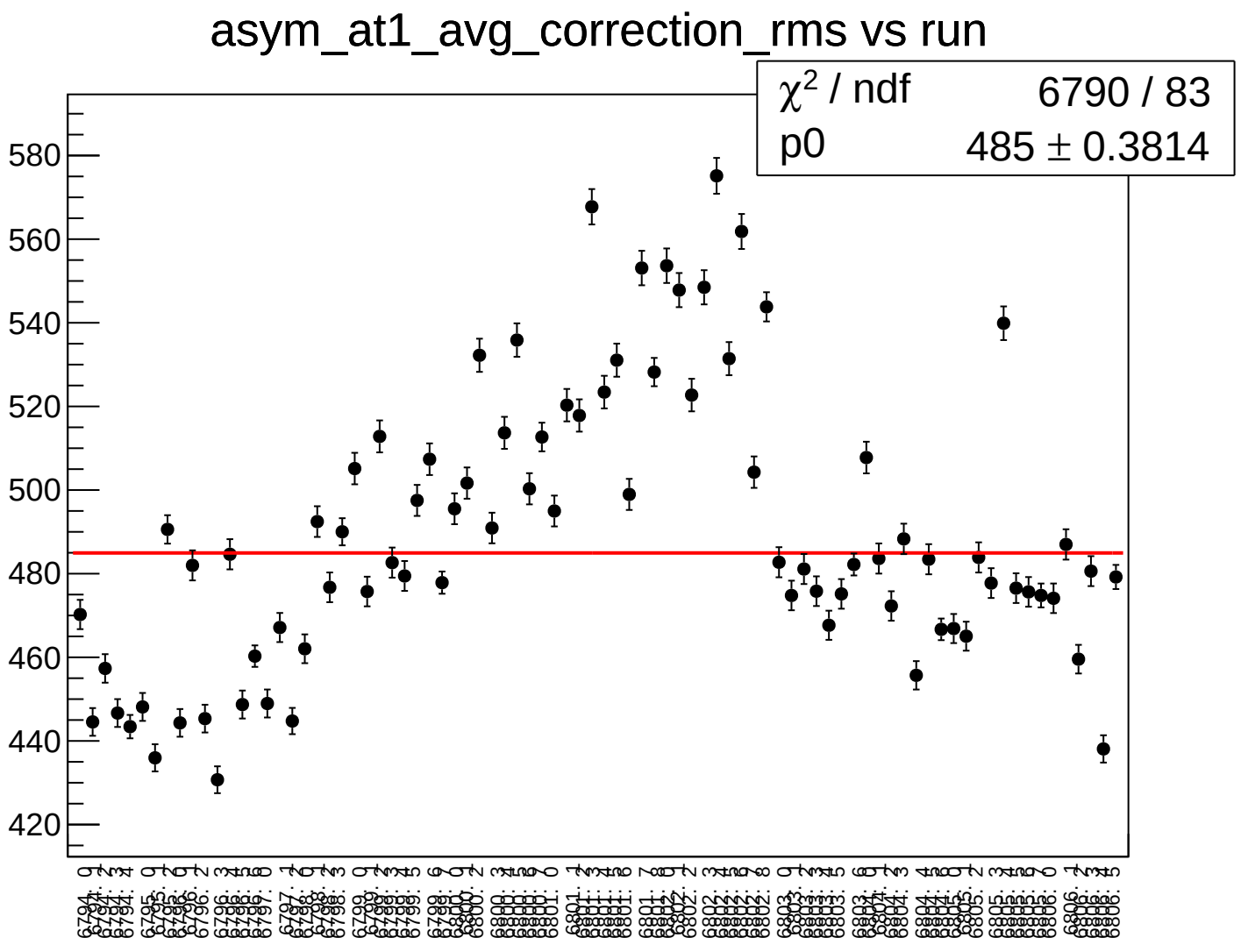

dit_asym_at1_avg_mean vs run
×10^3
χ^2 / ndf 87.36 / 83
p0 1622 ± 2056
pull
Entries 84
Mean 100.6
Std Dev 63.3

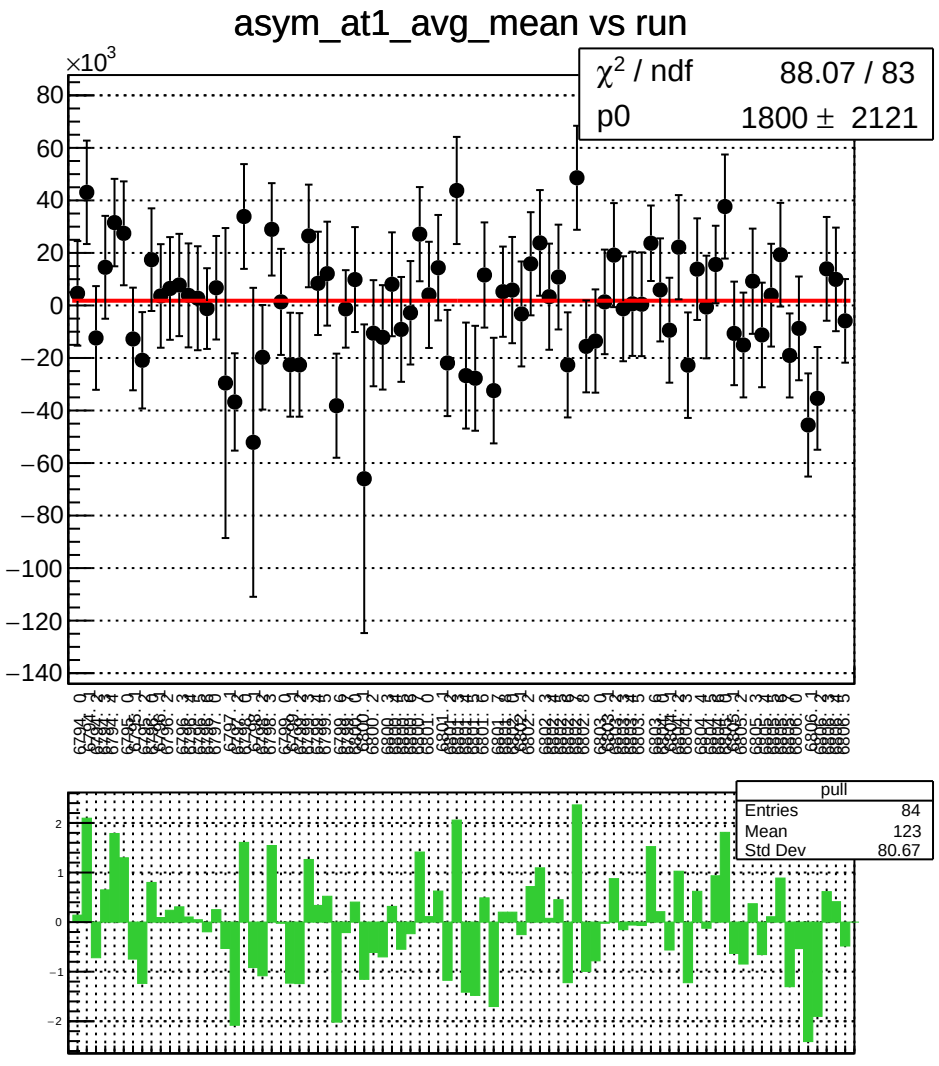

pull1D
Entries 84
Mean −0.03255
Std Dev 1.019

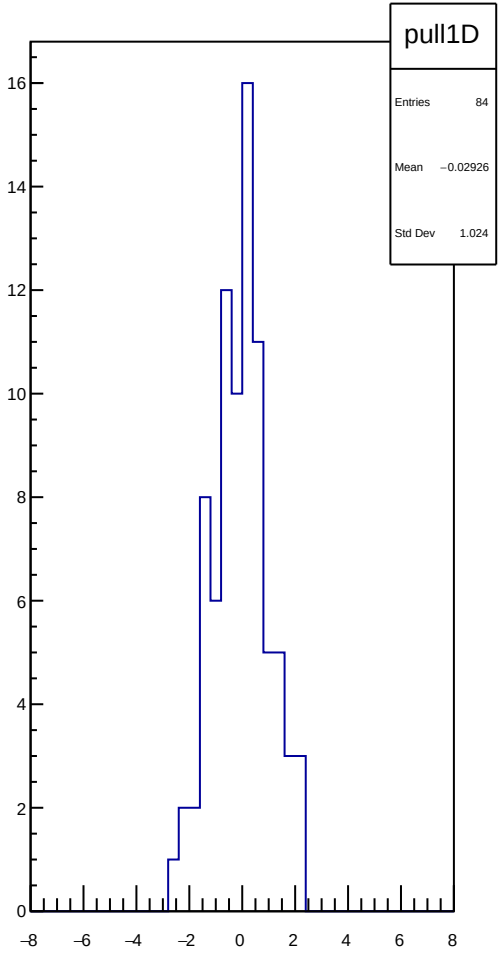

dit_asym_at1_avg_rms vs run
χ^2 / ndf 2.441e+04 / 83
p0 1839 ± 1.454
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

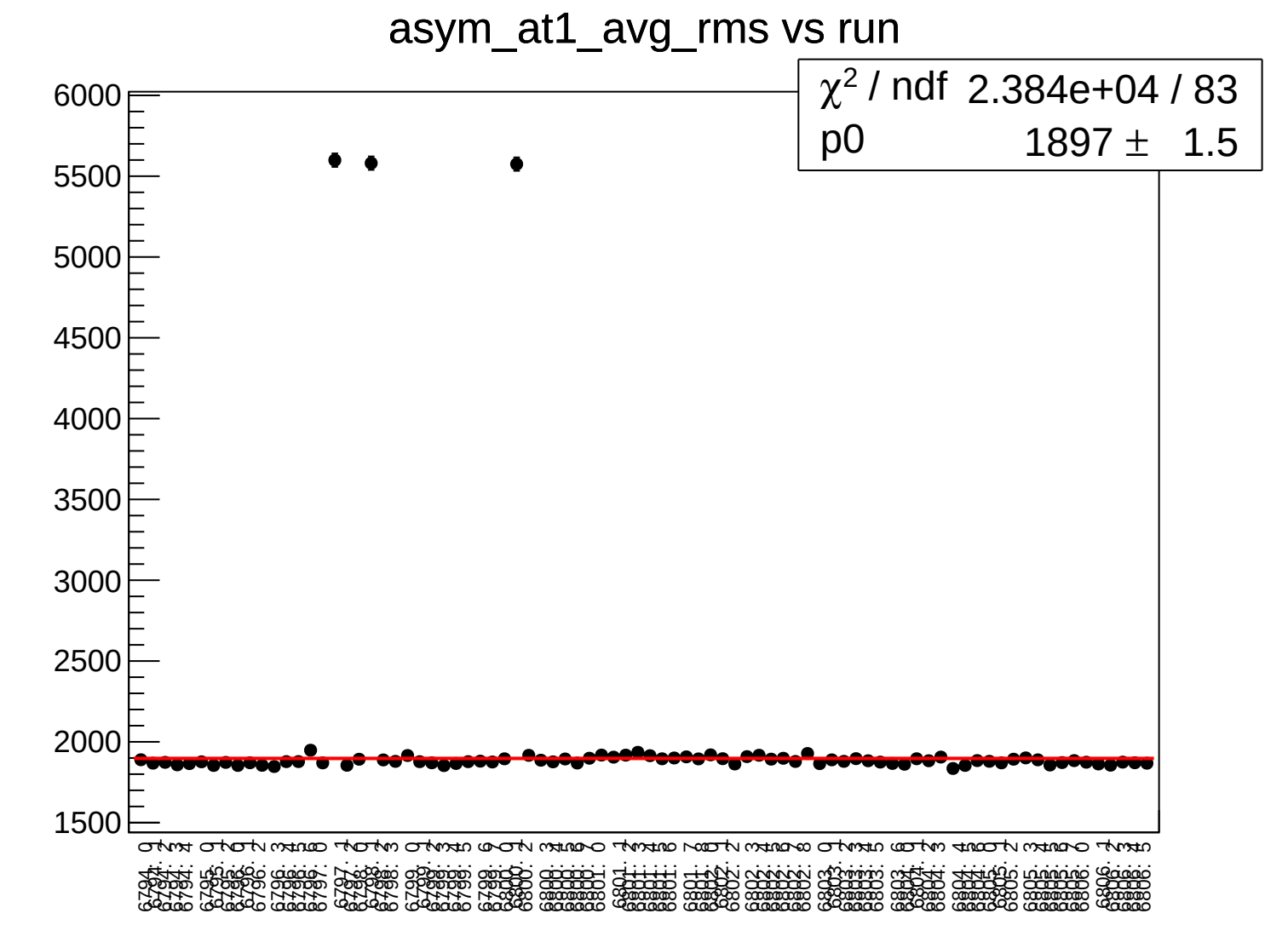

asym_at1_avg_correction_mean vs run
χ² / ndf 92.45 / 83
p0 −248.3 ± 539.3
pull
Entries 84
Mean −163.3
Std Dev 220.3

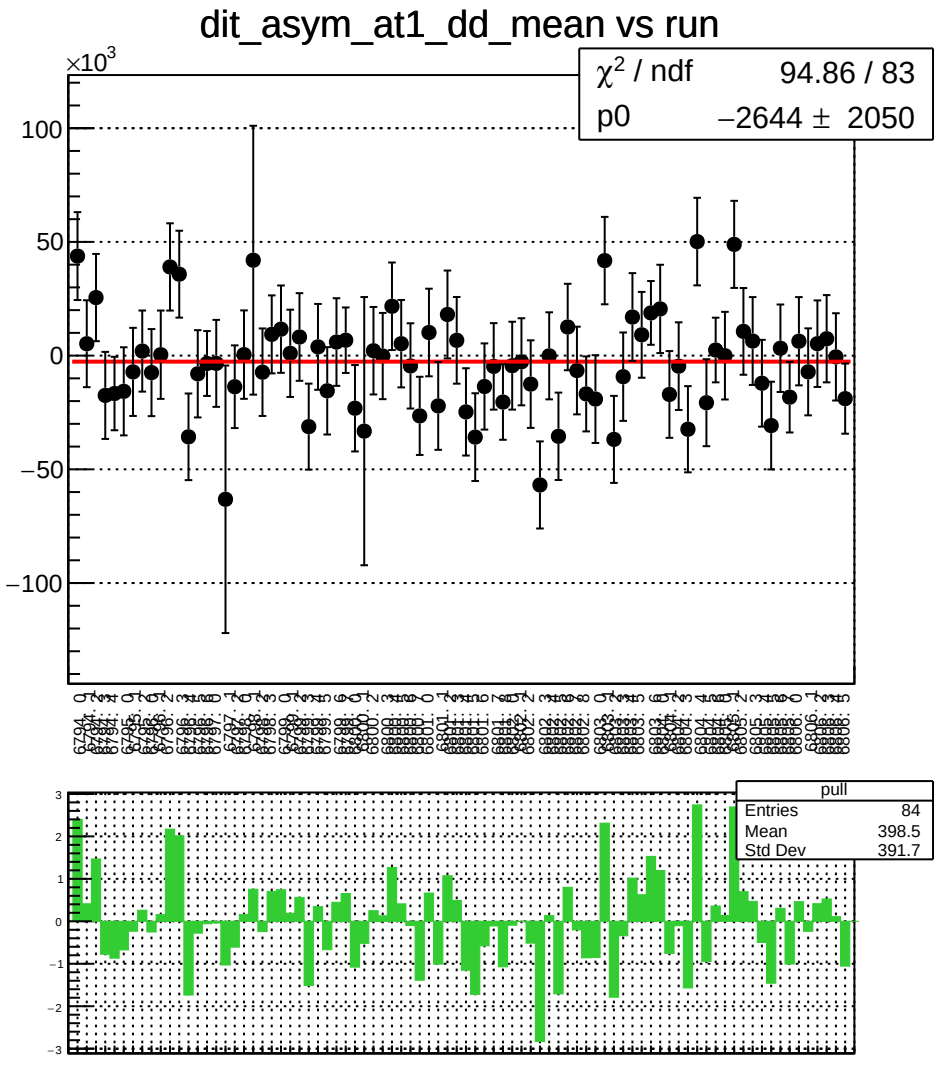

pull1D
Entries 84
Mean −0.01222
Std Dev 1.049

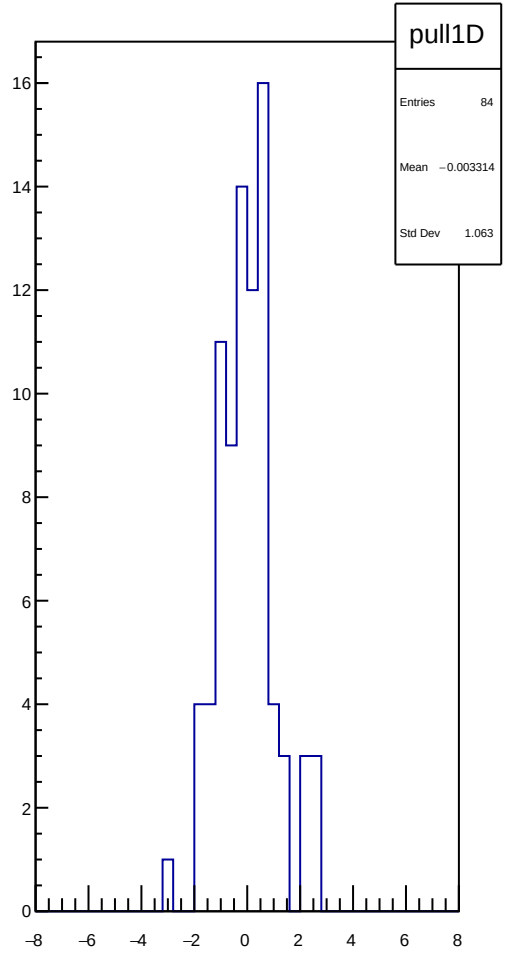

asym_at1_avg_correction_rms vs run
χ² / ndf 6790 / 83
p0 485 ± 0.3814
580
560
540
520
500
480
460
440
420

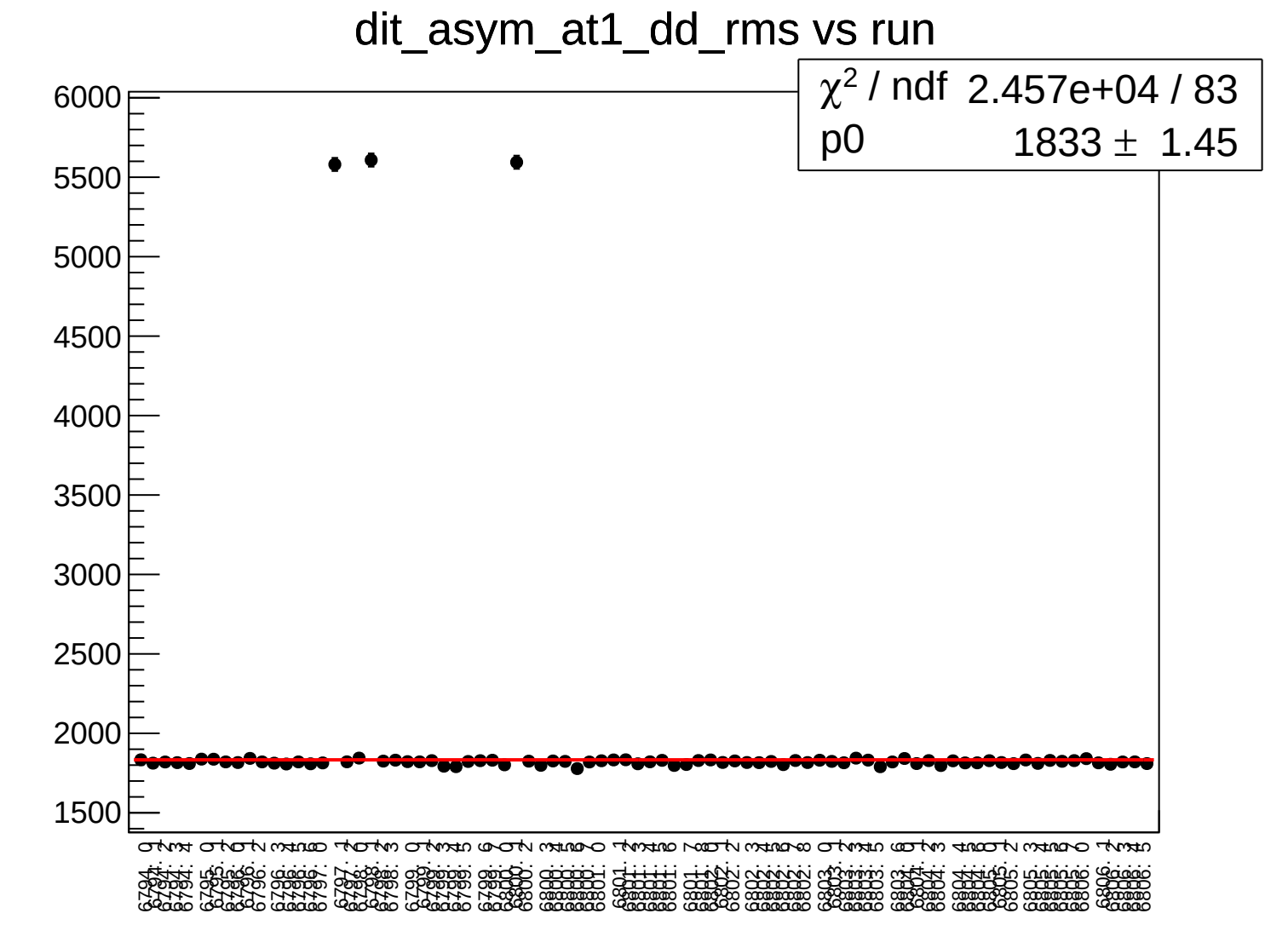

asym_at1_avg_mean vs run
×10^3
χ^2 / ndf 88.07 / 83
p0 1800 ± 2121
pull
Entries 84
Mean 123
Std Dev 80.67

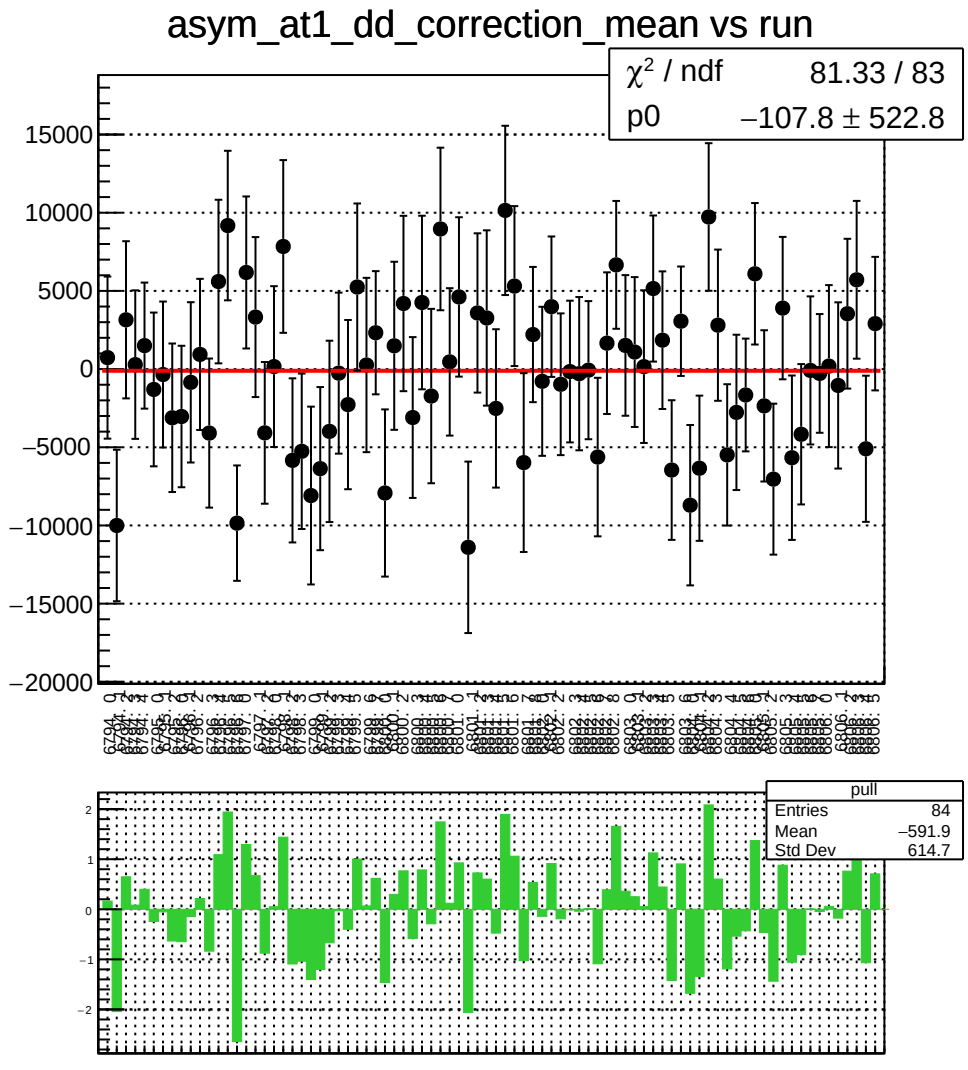

pull1D
Entries 84
Mean −0.02926
Std Dev 1.024

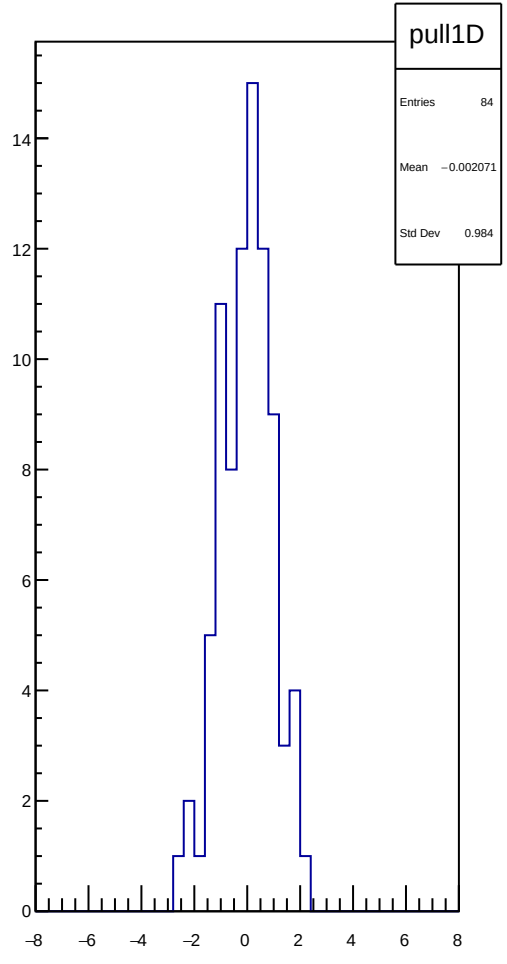

asym_at1_avg_rms vs run
χ² / ndf 2.384e+04 / 83
p0 1897 ± 1.5
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

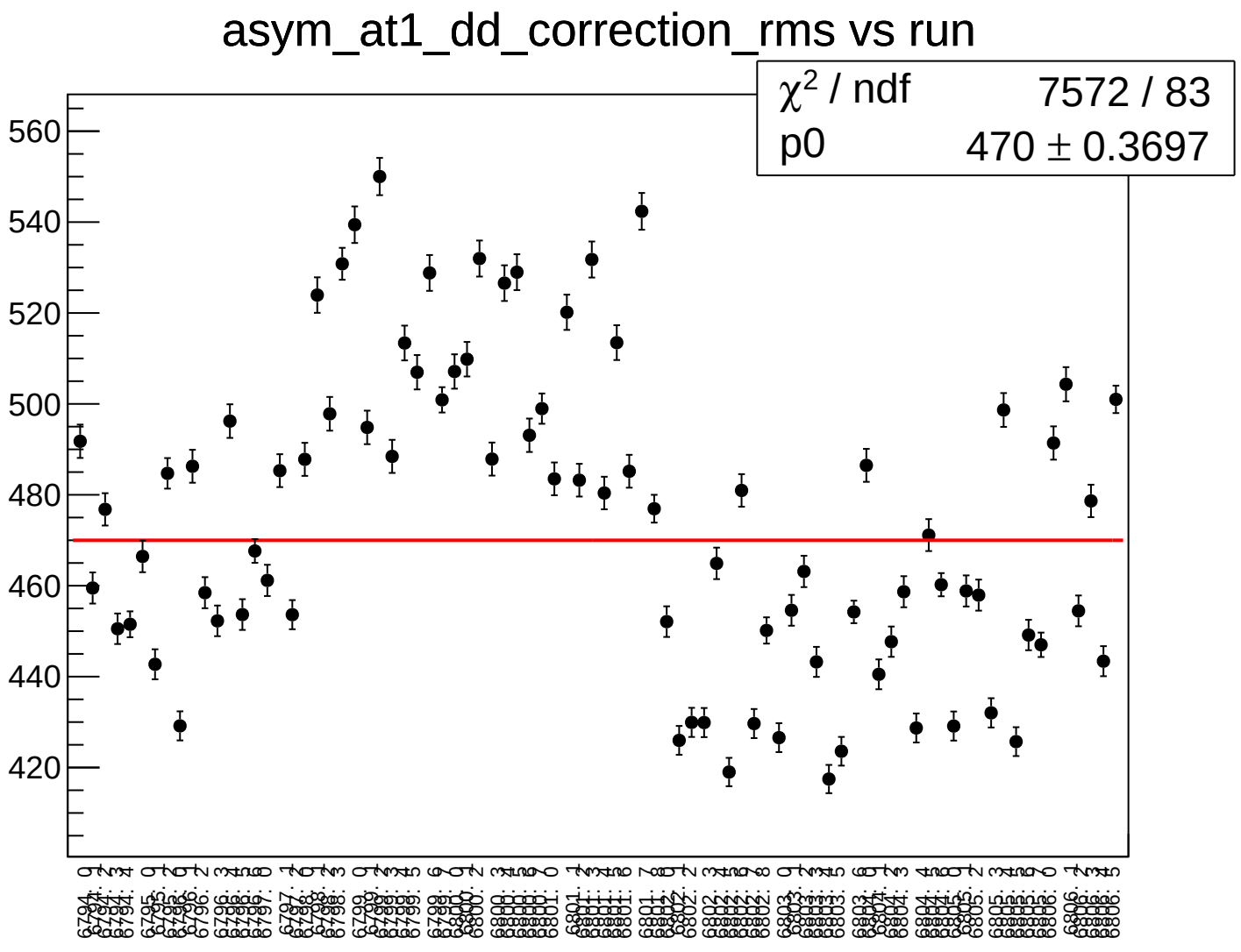

dit_asym_at1_dd_mean vs run
×10^3
χ^2 / ndf 94.86 / 83
p0 −2644 ± 2050
100
50
0
−50
−100
pull
Entries 84
Mean 398.5
Std Dev 391.7
3
2
1
0
−1
−2
−3

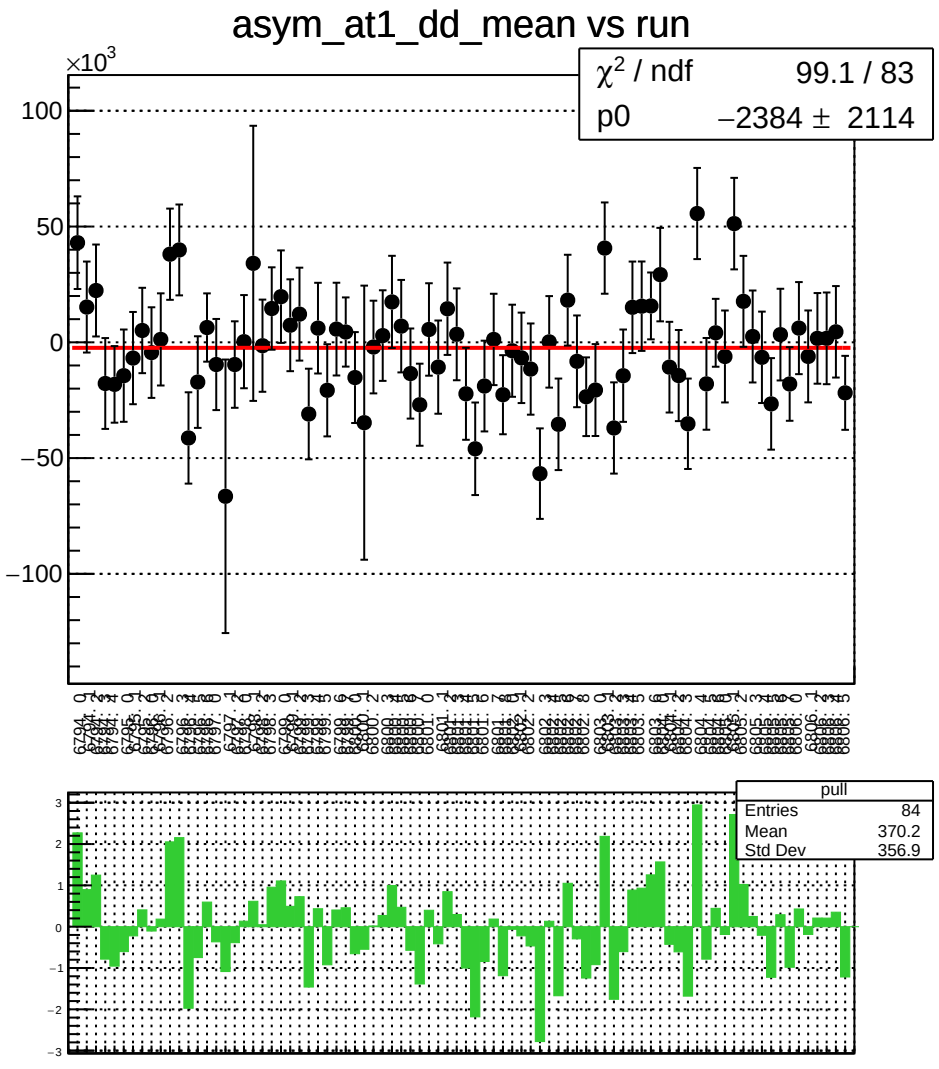

pull1D
Entries 84
Mean −0.003314
Std Dev 1.063
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

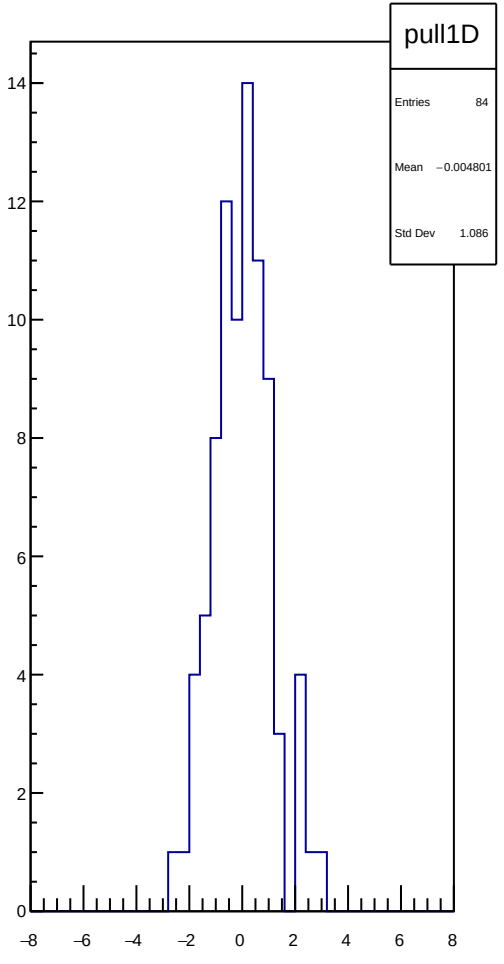

dit_asym_at1_dd_rms vs run
χ² / ndf 2.457e+04 / 83
p0 1833 ± 1.45
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

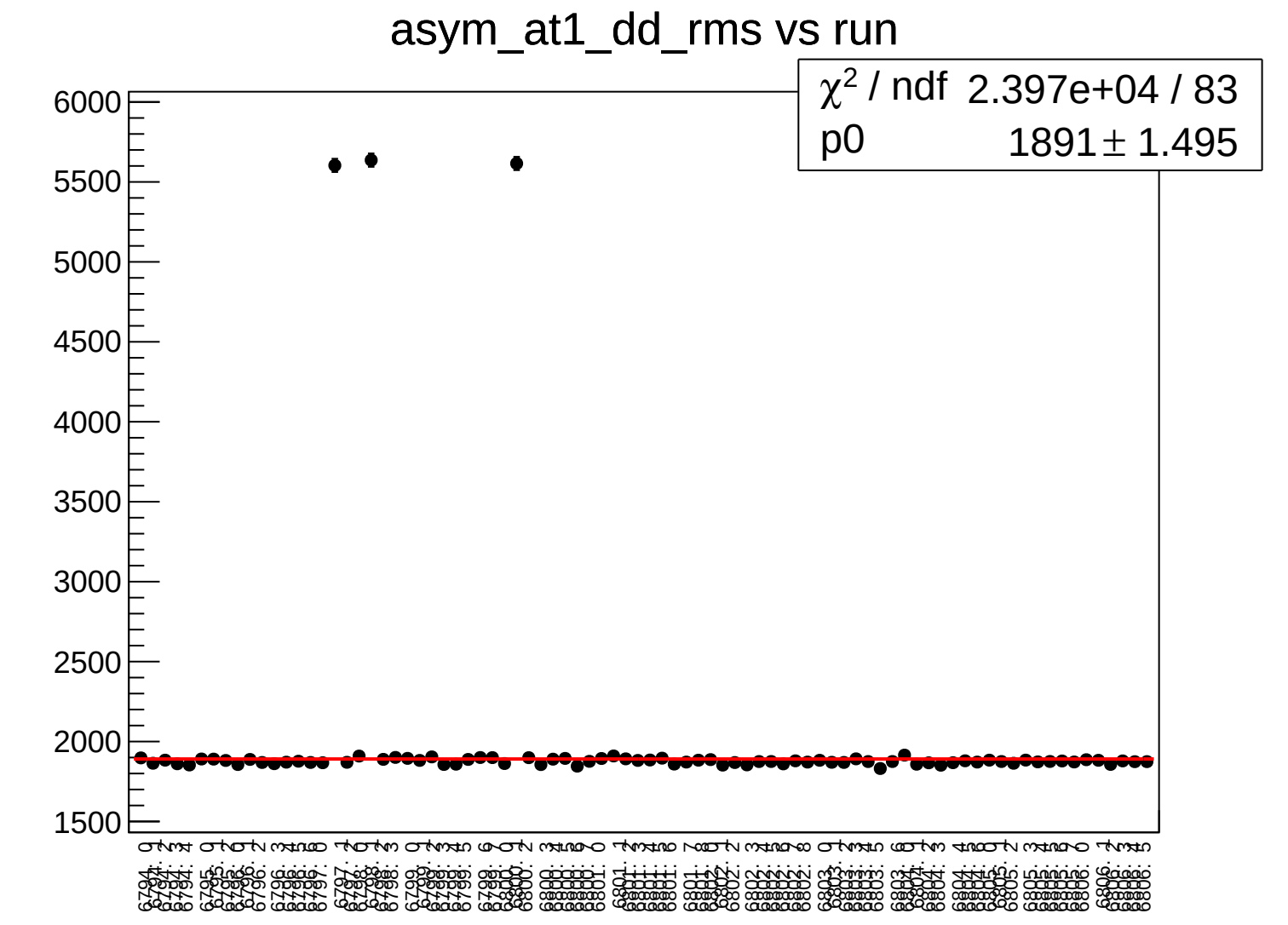

asym_at1_dd_correction_mean vs run
χ² / ndf 81.33 / 83
p0 −107.8 ± 522.8
pull
Entries 84
Mean −591.9
Std Dev 614.7

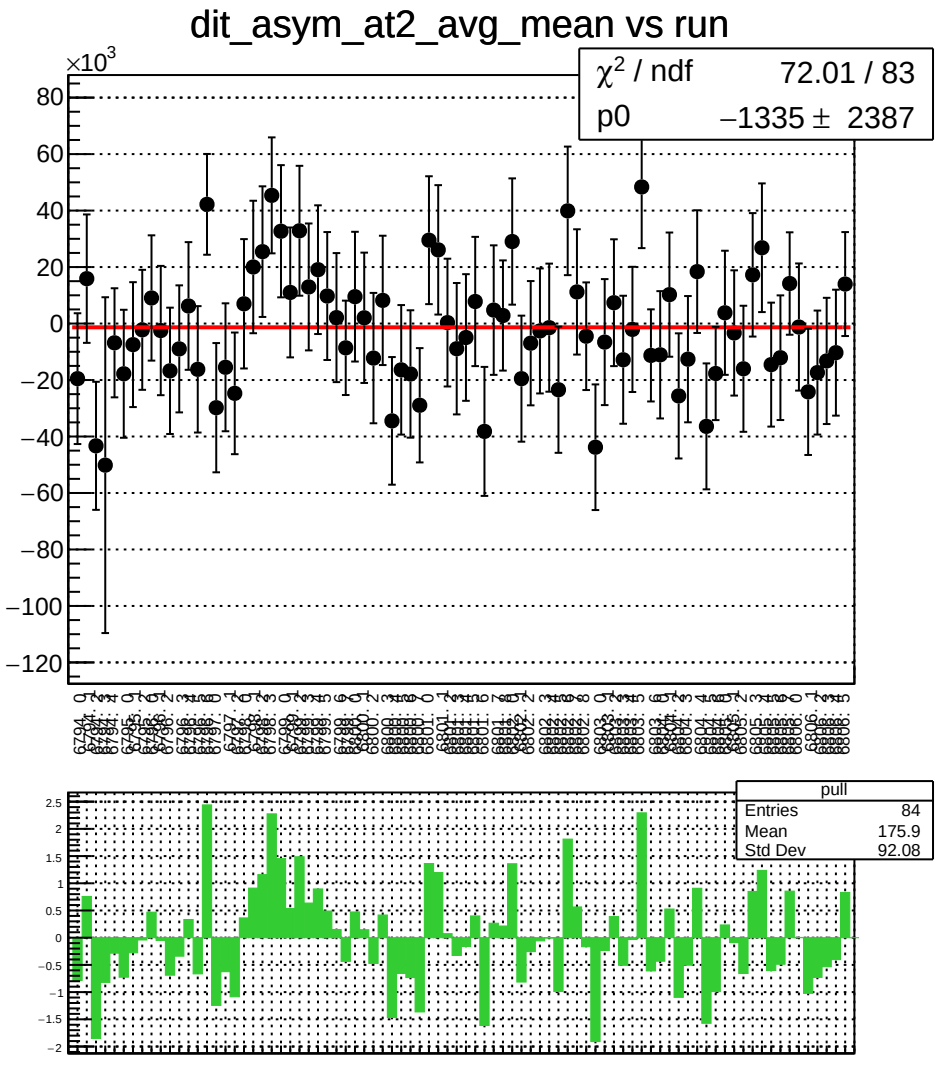

pull1D
Entries 84
Mean −0.002071
Std Dev 0.984

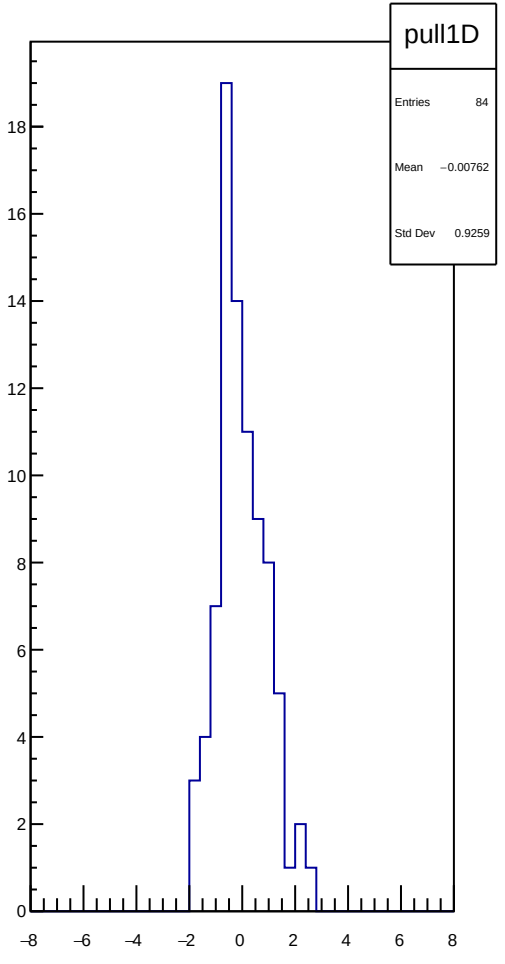

asym_at1_dd_correction_rms vs run
χ² / ndf 7572 / 83
p0 470 ± 0.3697
560
540
520
500
480
460
440
420

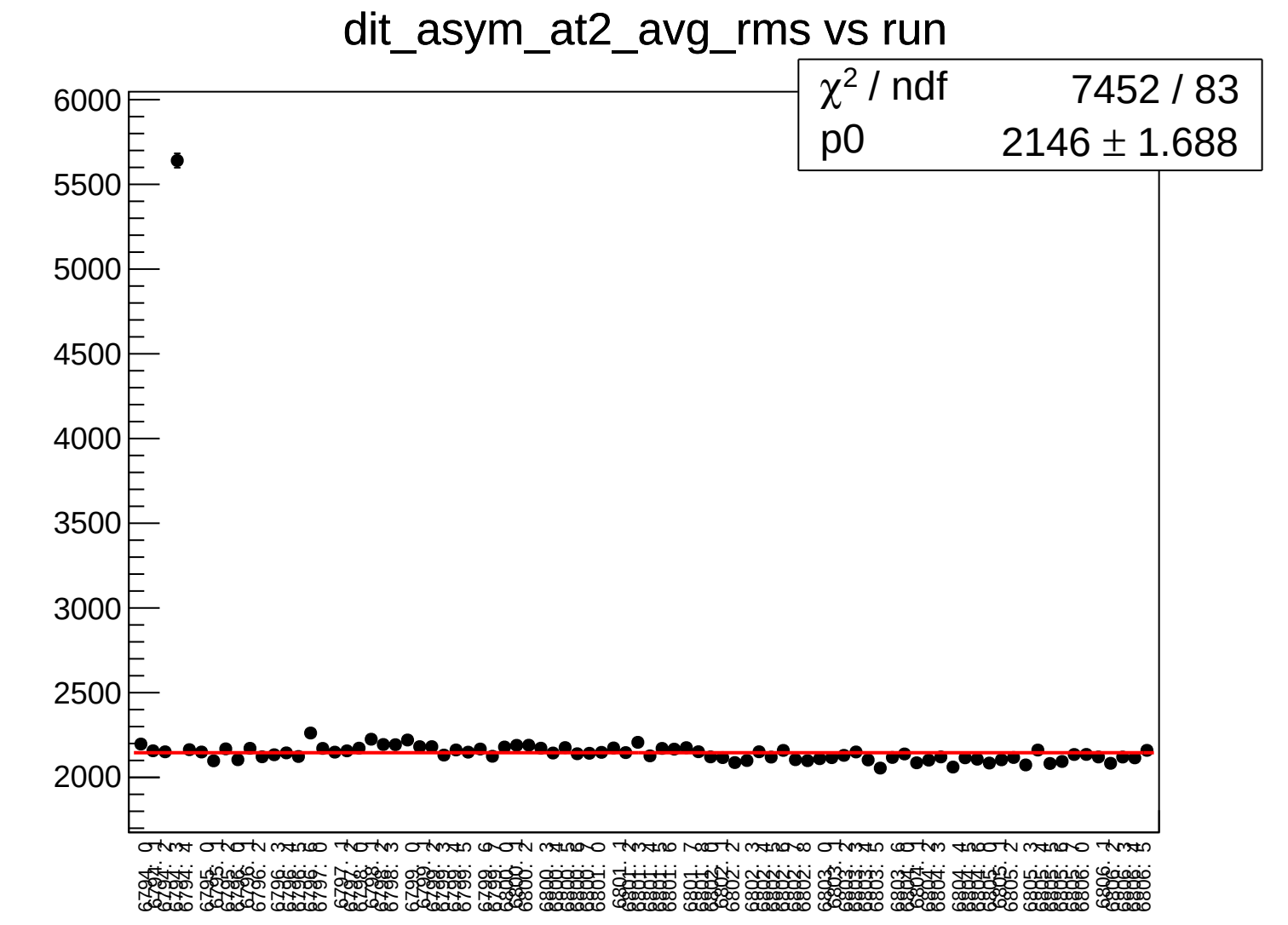

asym_at1_dd_mean vs run
×10^3
χ² / ndf 99.1 / 83
p0 −2384 ± 2114
100
50
0
−50
−100
pull
Entries 84
Mean 370.2
Std Dev 356.9
3
2
1
0
−1
−2
−3

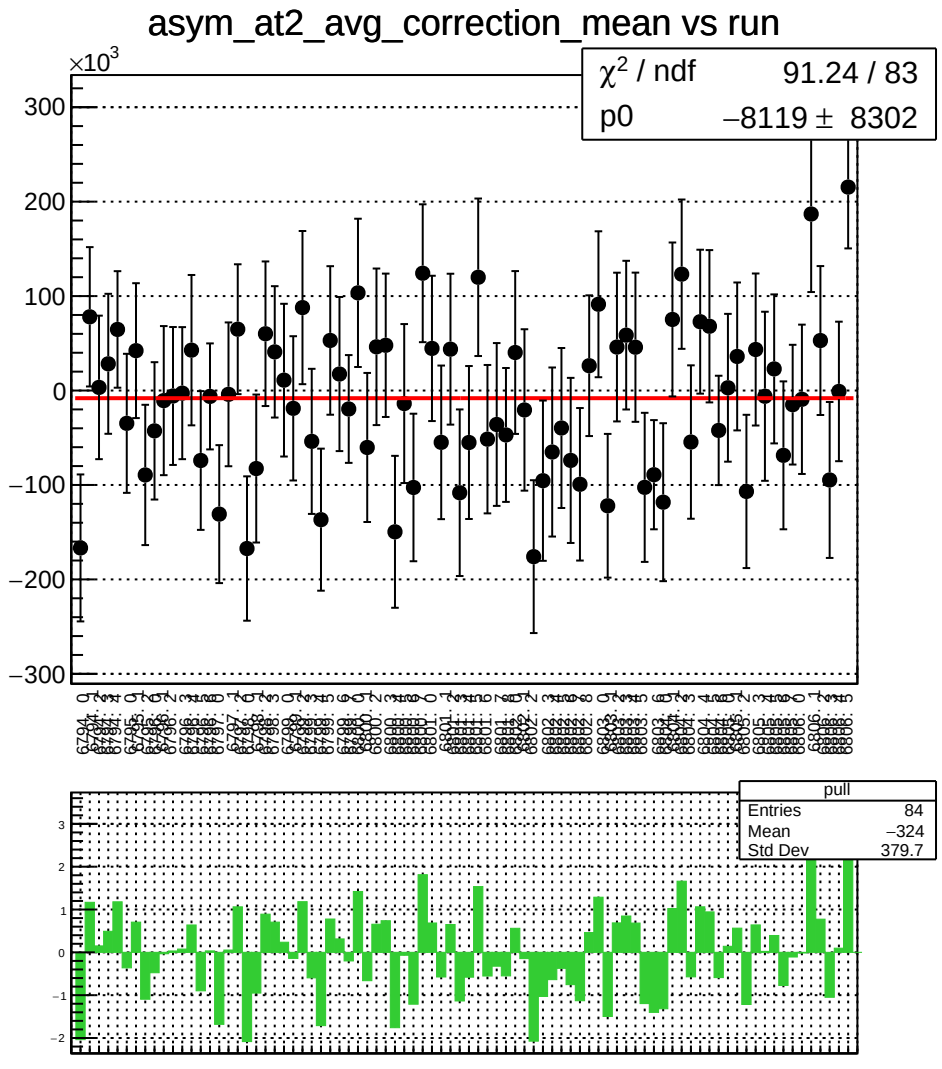

pull1D
Entries 84
Mean −0.004801
Std Dev 1.086
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

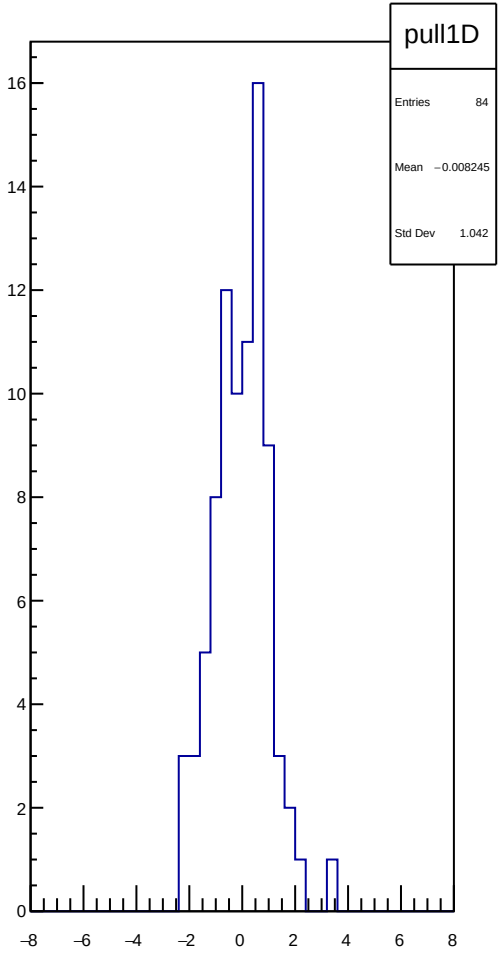

asym_at1_dd_rms vs run
χ² / ndf 2.397e+04 / 83
p0 1891 ± 1.495
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

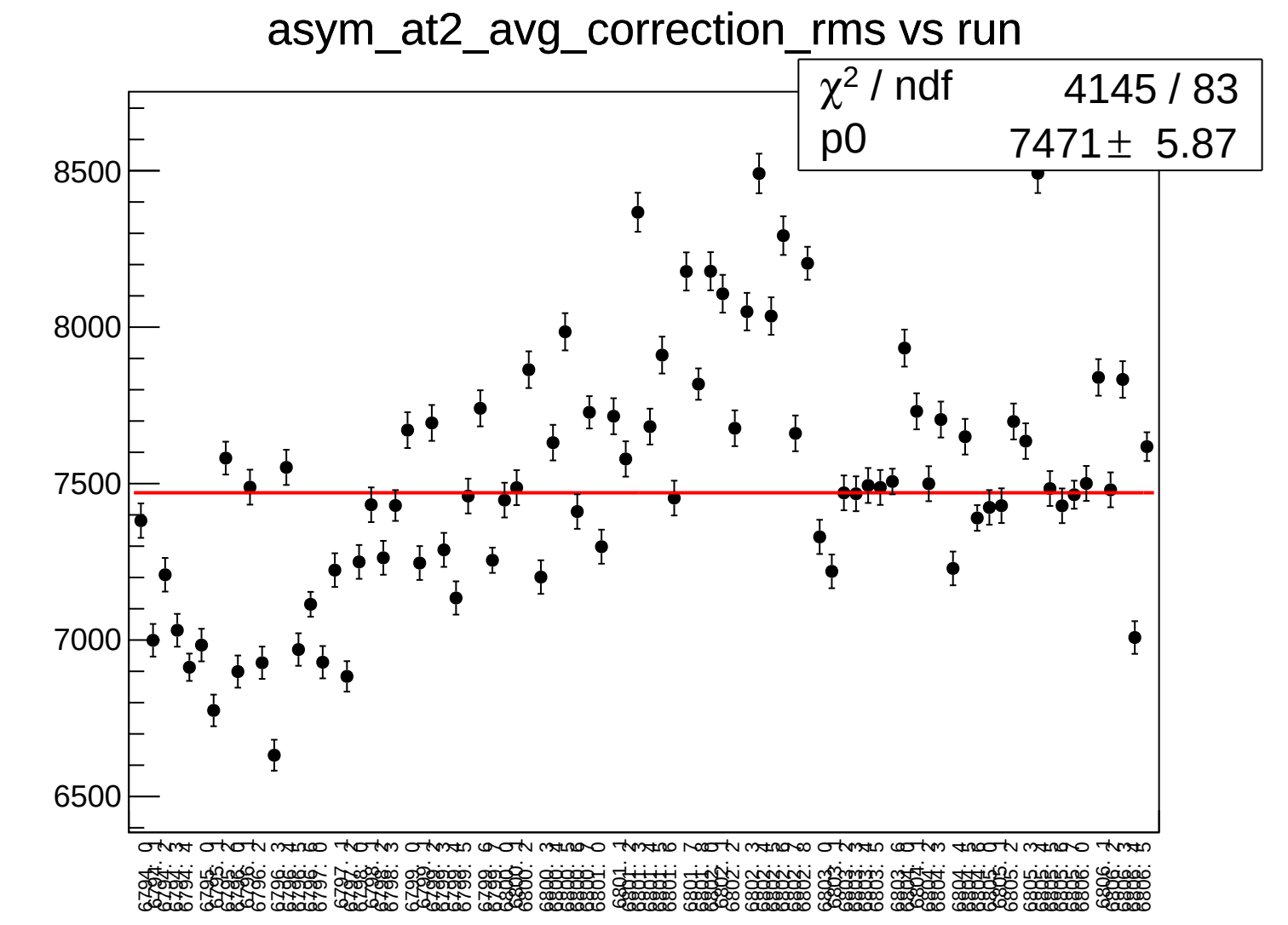

dit_asym_at2_avg_mean vs run
×10^3
χ² / ndf 72.01 / 83
p0 −1335 ± 2387
pull
Entries 84
Mean 175.9
Std Dev 92.08

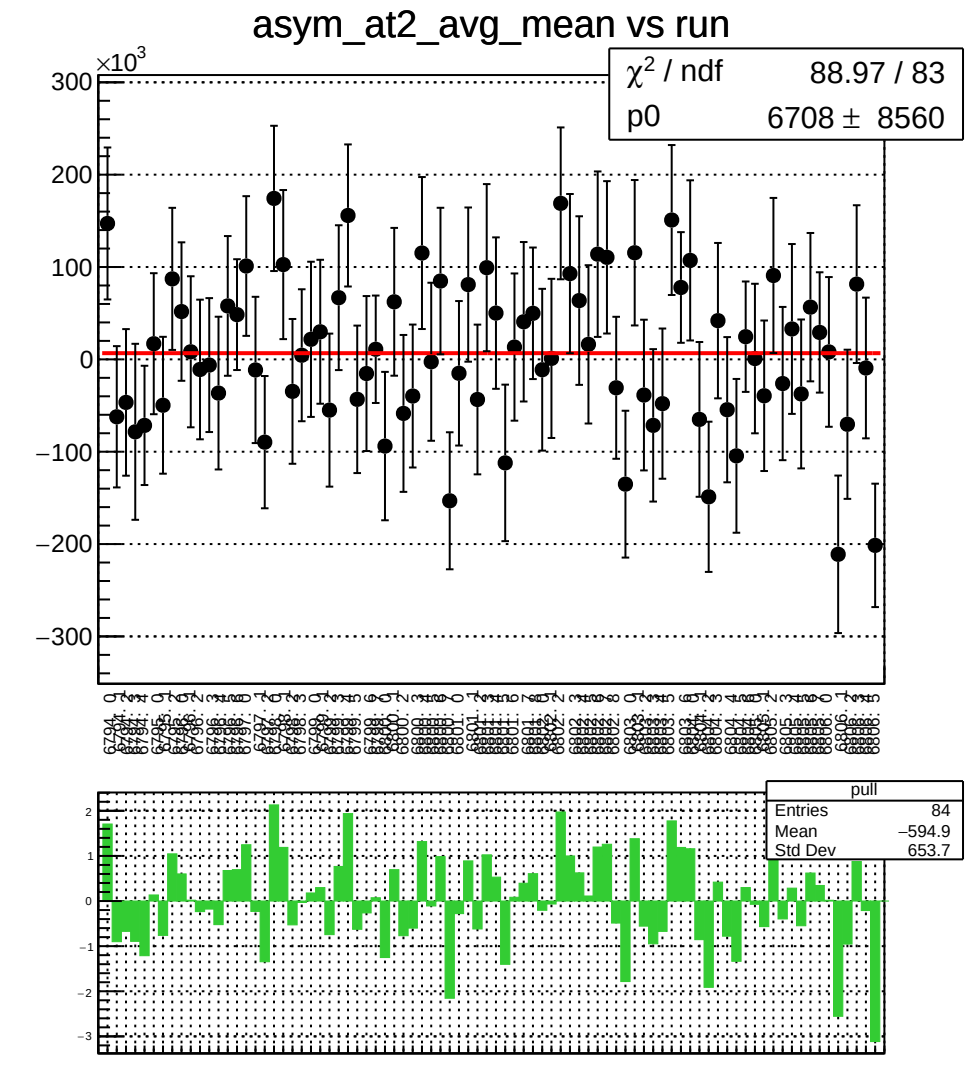

pull1D
Entries 84
Mean −0.00762
Std Dev 0.9259

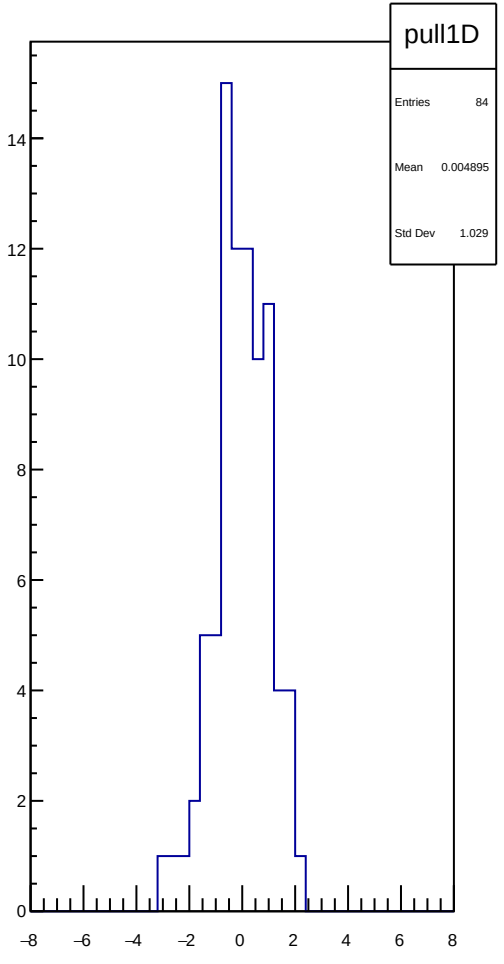

dit_asym_at2_avg_rms vs run
χ^2 / ndf 7452 / 83
p0 2146 ± 1.688
6000
5500
5000
4500
4000
3500
3000
2500
2000

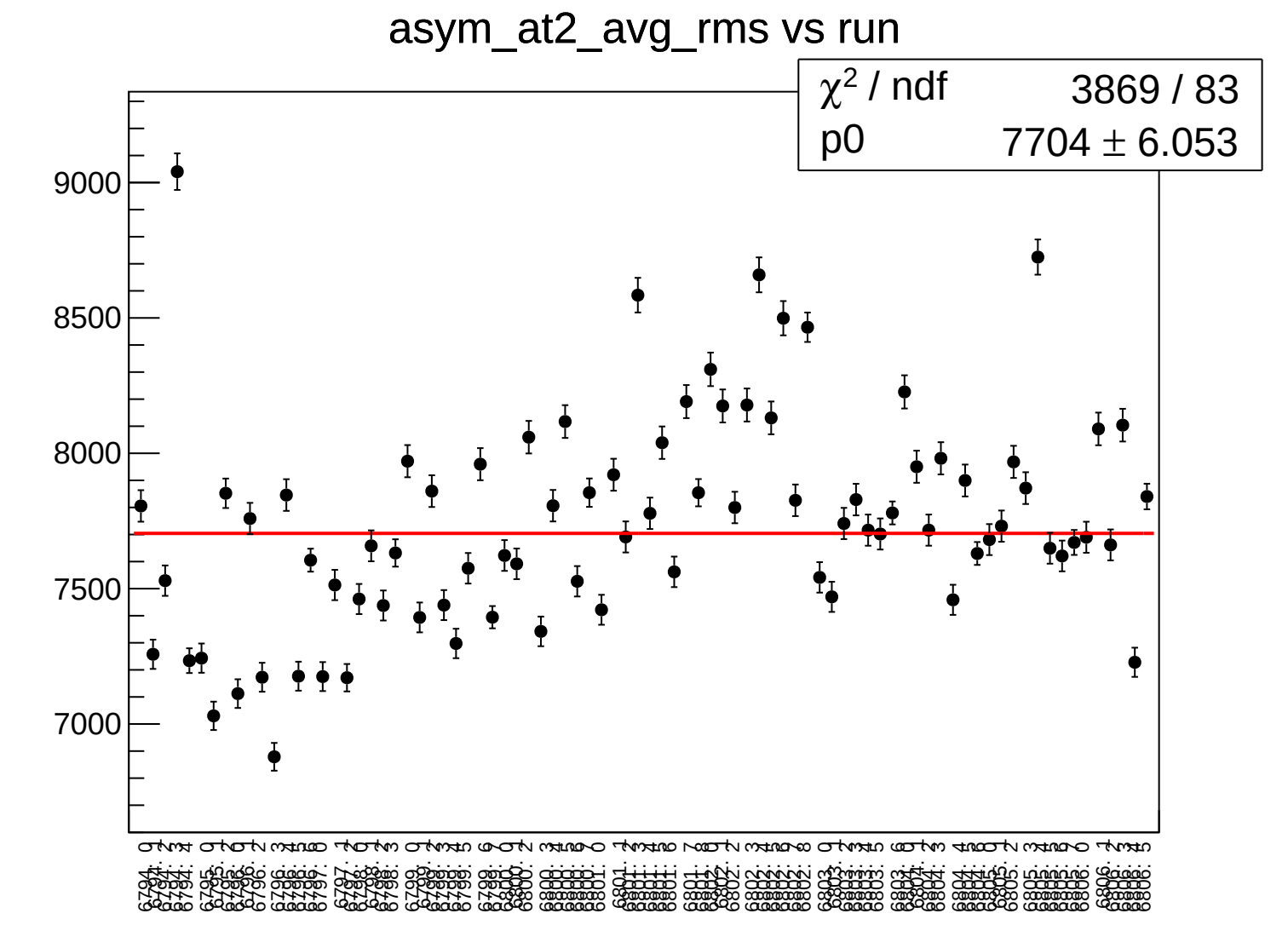

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 91.24 / 83
p0 −8119 ± 8302
300
200
100
0
−100
−200
−300
pull
Entries 84
Mean −324
Std Dev 379.7
3
2
1
0
−1
−2

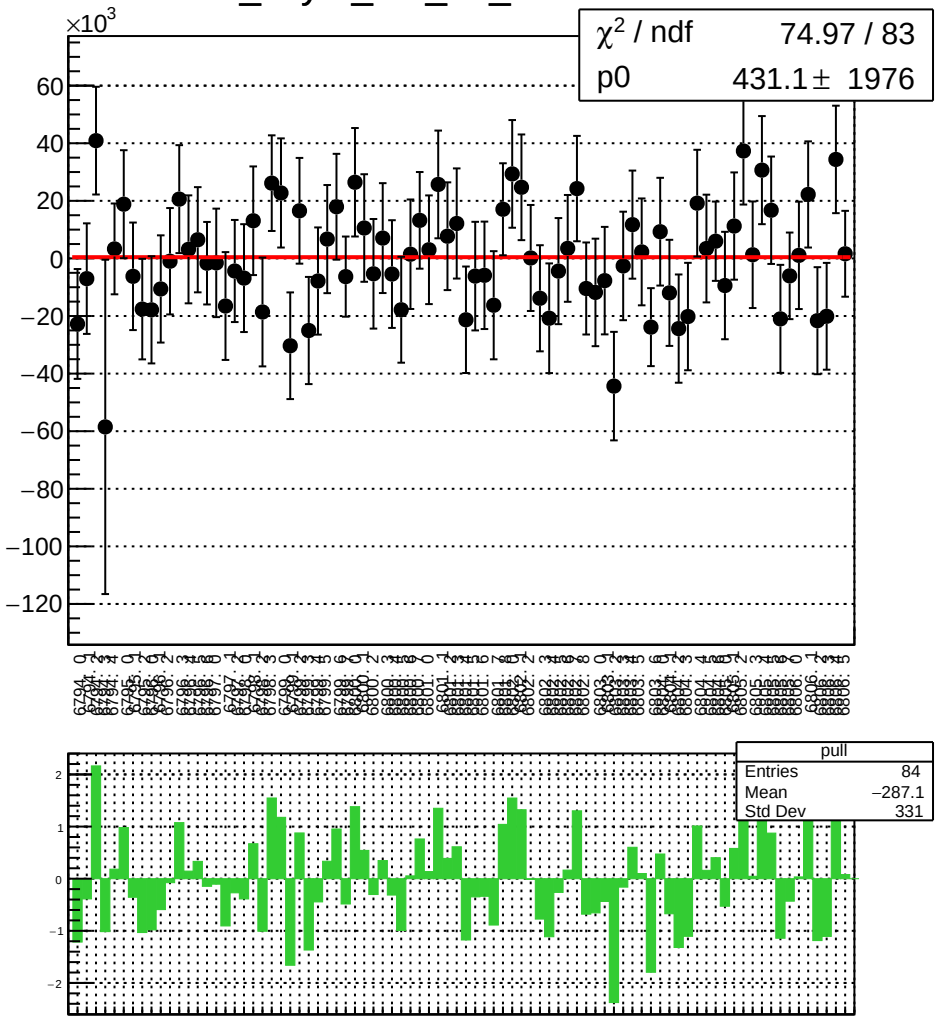

pull1D
Entries 84
Mean −0.008245
Std Dev 1.042
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

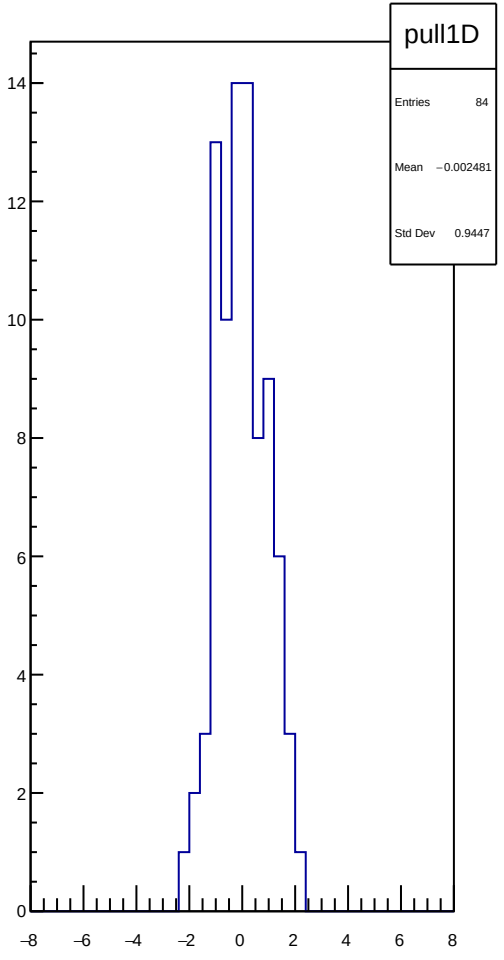

asym_at2_avg_correction_rms vs run
χ² / ndf 4145 / 83
p0 7471 ± 5.87
8500
8000
7500
7000
6500

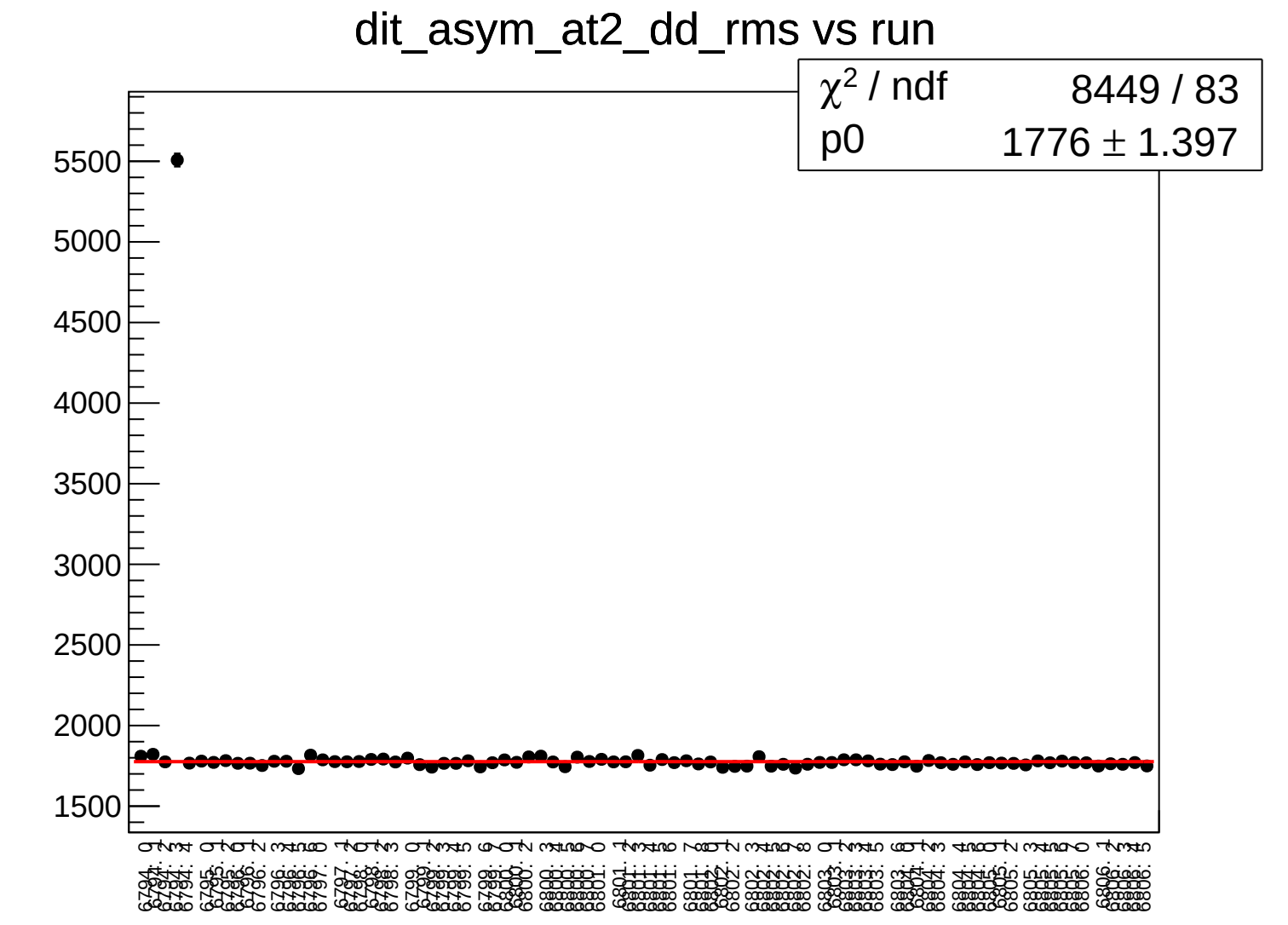

asym_at2_avg_mean vs run
χ² / ndf 88.97 / 83
p0 6708 ± 8560
×10³
pull
Entries 84
Mean −594.9
Std Dev 653.7

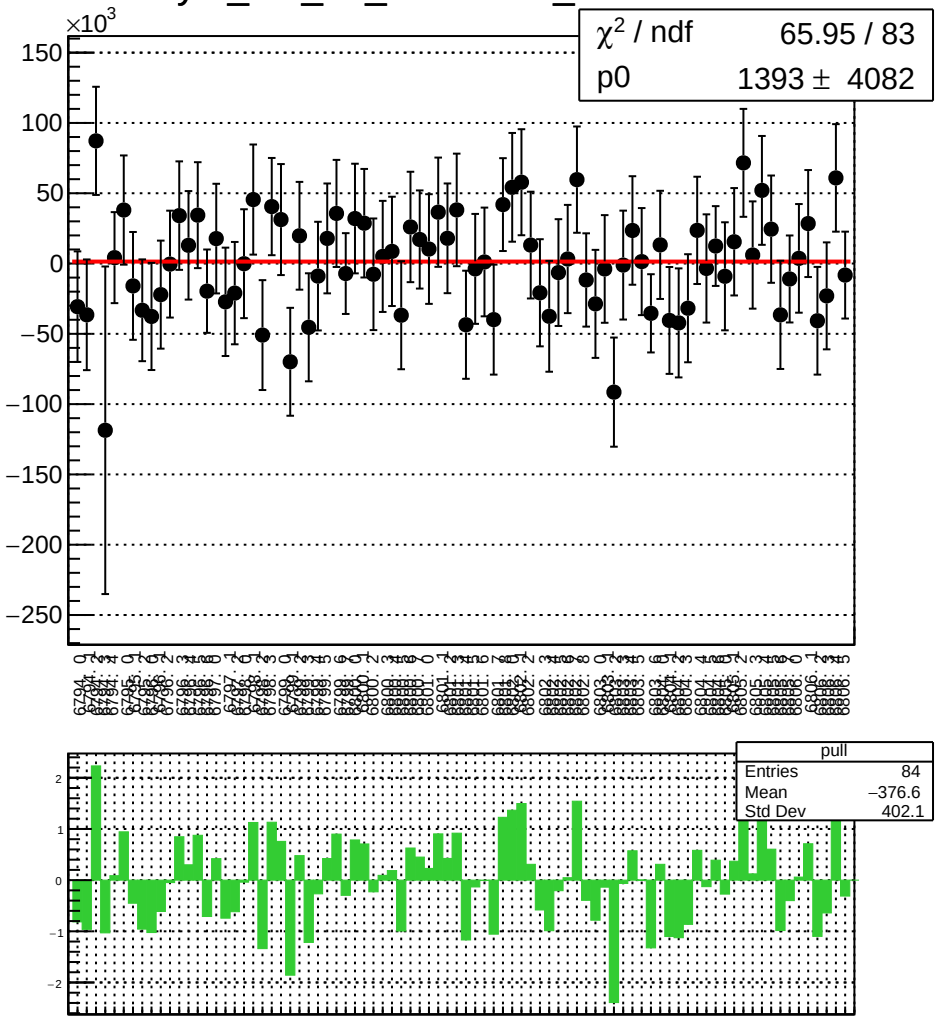

pull1D
Entries 84
Mean 0.004895
Std Dev 1.029

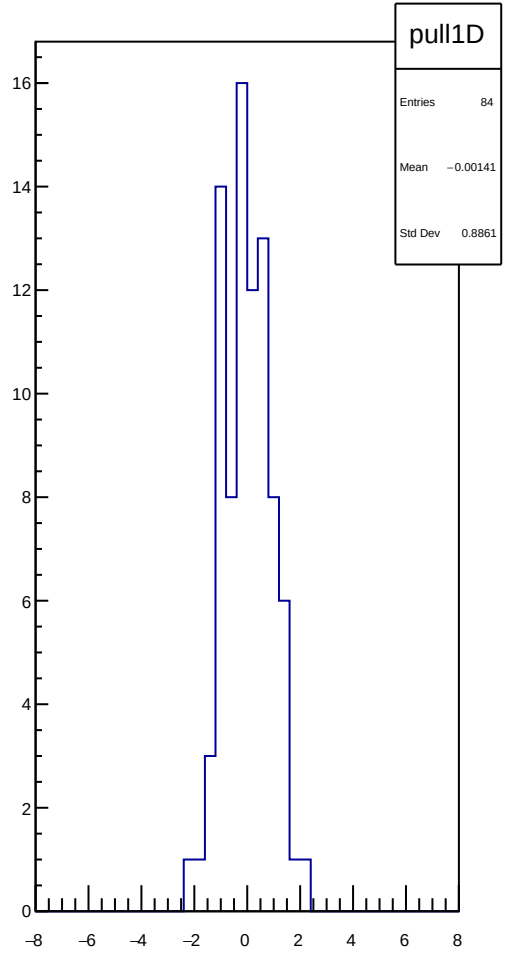

asym_at2_avg_rms vs run
χ^2 / ndf 3869 / 83
p0 7704 ± 6.053
9000
8500
8000
7500
7000

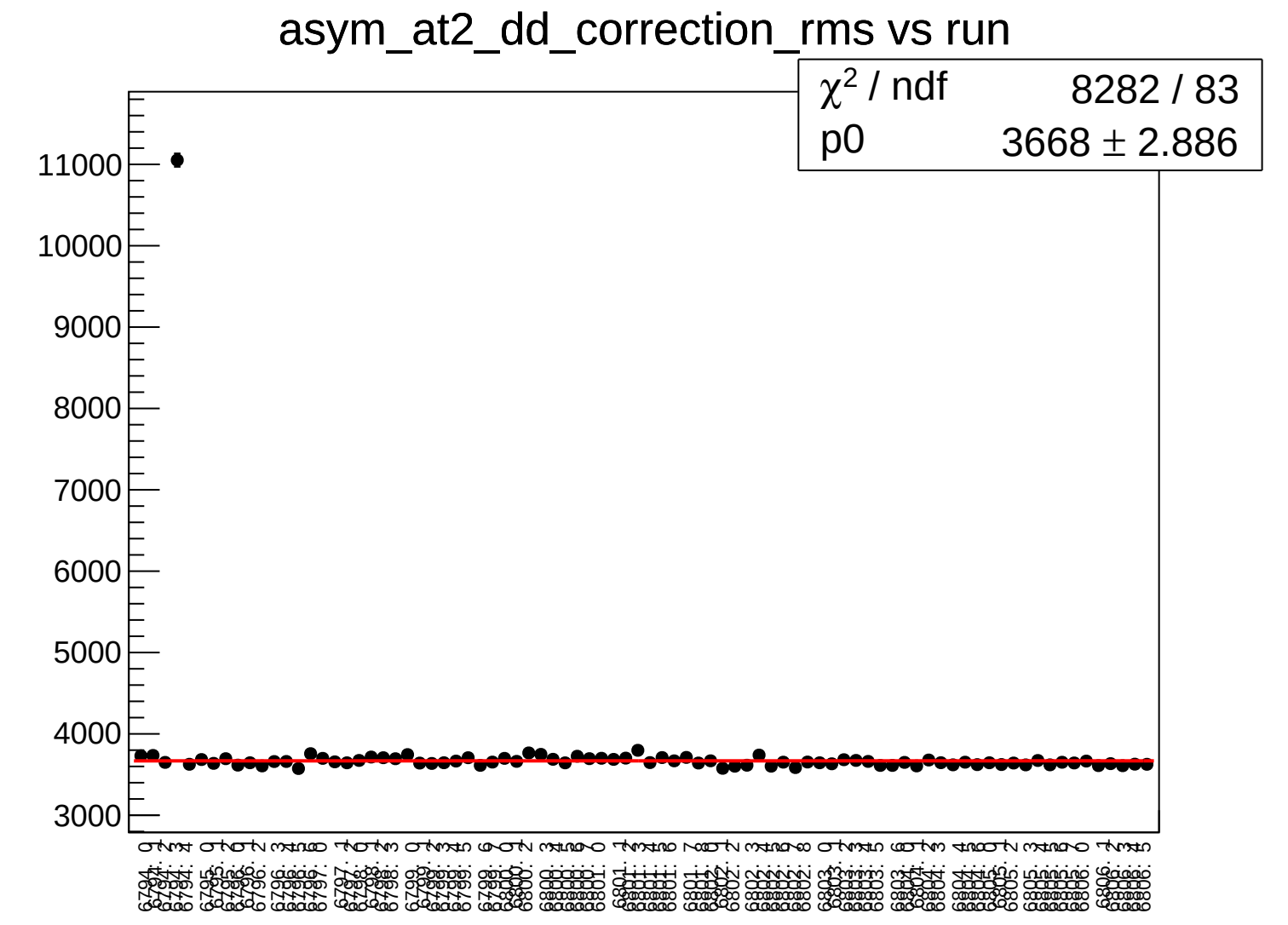

dit_asym_at2_dd_mean vs run
χ^2 / ndf 74.97 / 83
p0 431.1 ± 1976
×10^3
pull
Entries 84
Mean −287.1
Std Dev 331

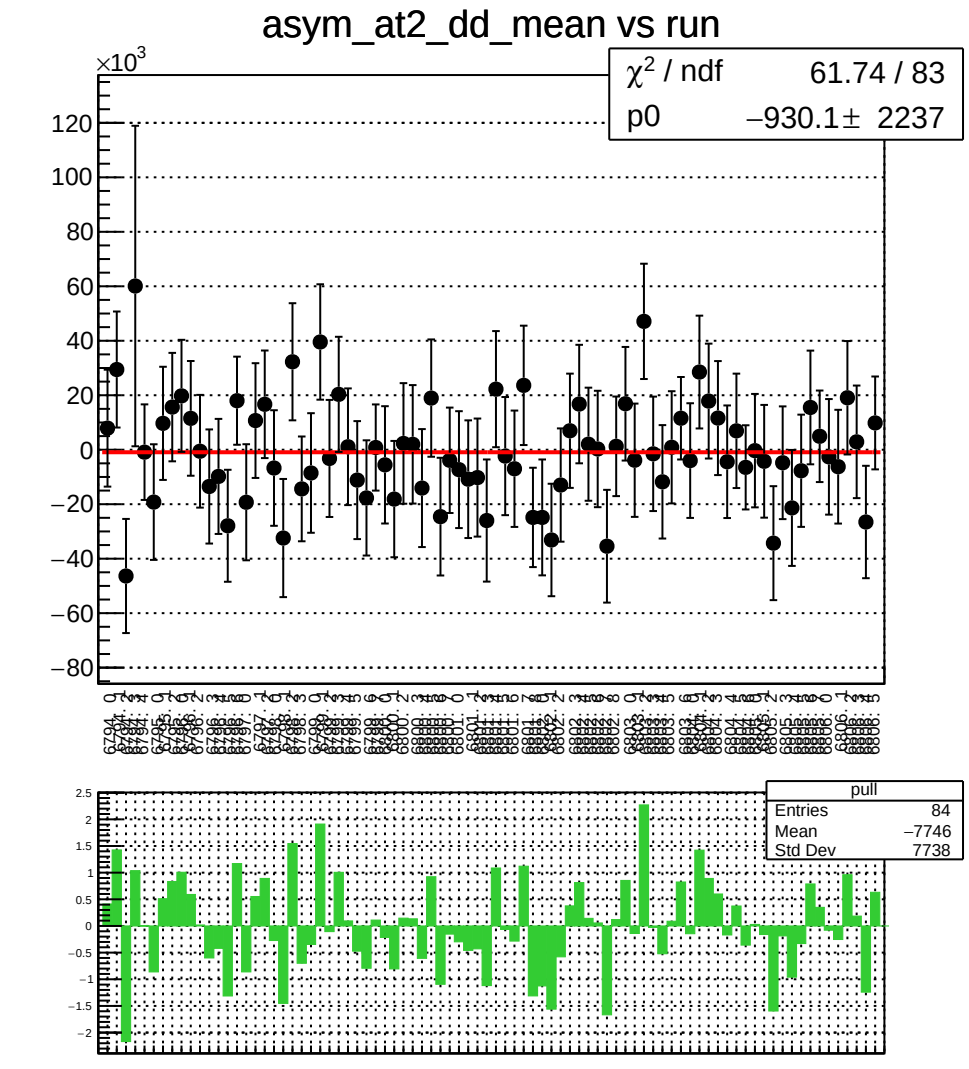

pull1D
Entries 84
Mean −0.002481
Std Dev 0.9447

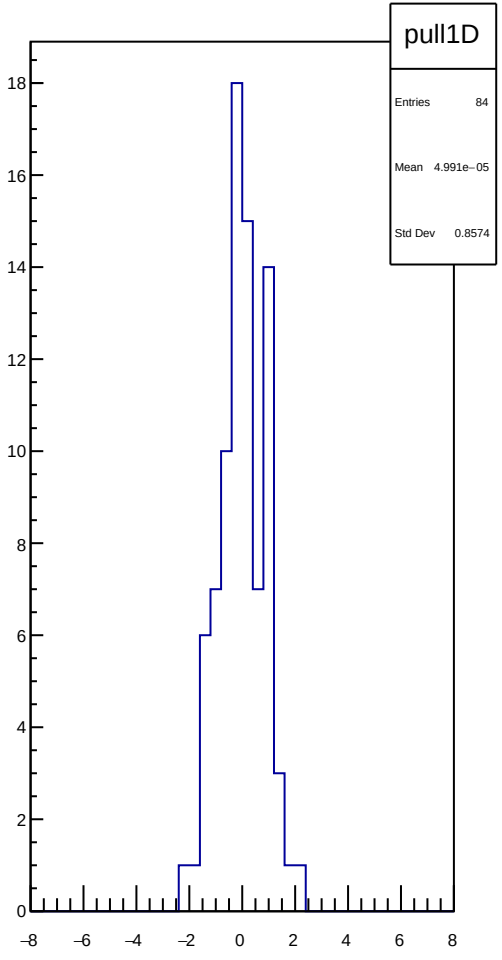

dit_asym_at2_dd_rms vs run
χ² / ndf 8449 / 83
p0 1776 ± 1.397
5500
5000
4500
4000
3500
3000
2500
2000
1500

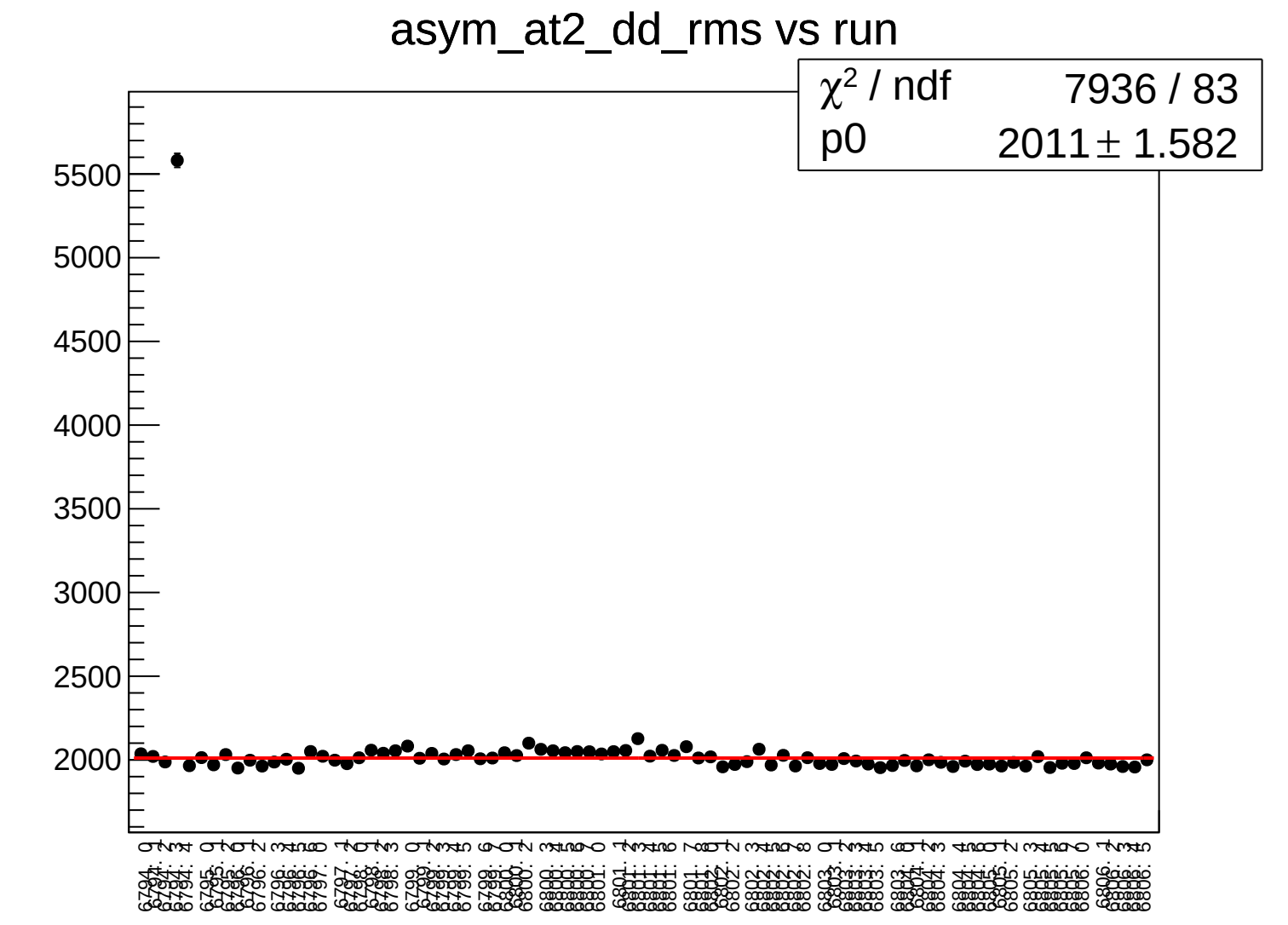

asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 65.95 / 83
p0 1393 ± 4082
150
100
50
0
−50
−100
−150
−200
−250
pull
Entries 84
Mean −376.6
Std Dev 402.1
2
1
0
−1
−2

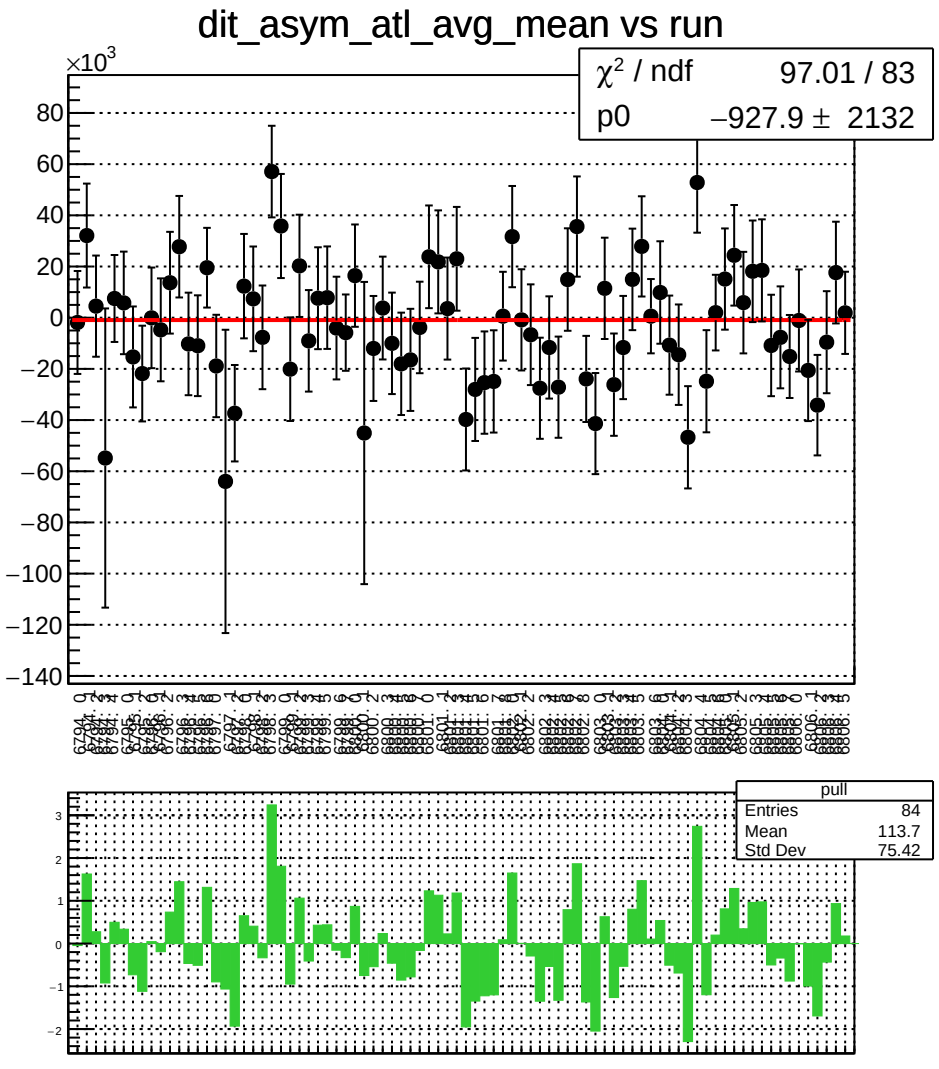

pull1D
Entries 84
Mean −0.00141
Std Dev 0.8861
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

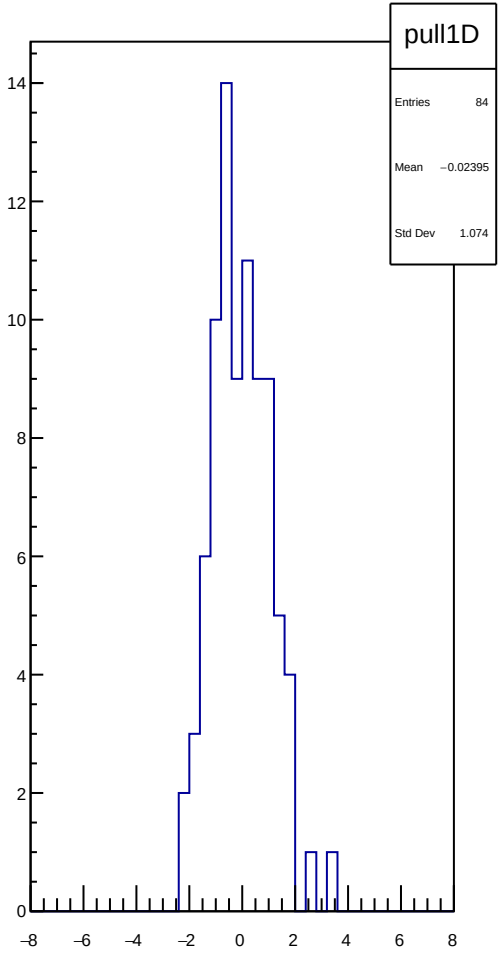

asym_at2_dd_correction_rms vs run
χ² / ndf 8282 / 83
p0 3668 ± 2.886
11000
10000
9000
8000
7000
6000
5000
4000
3000

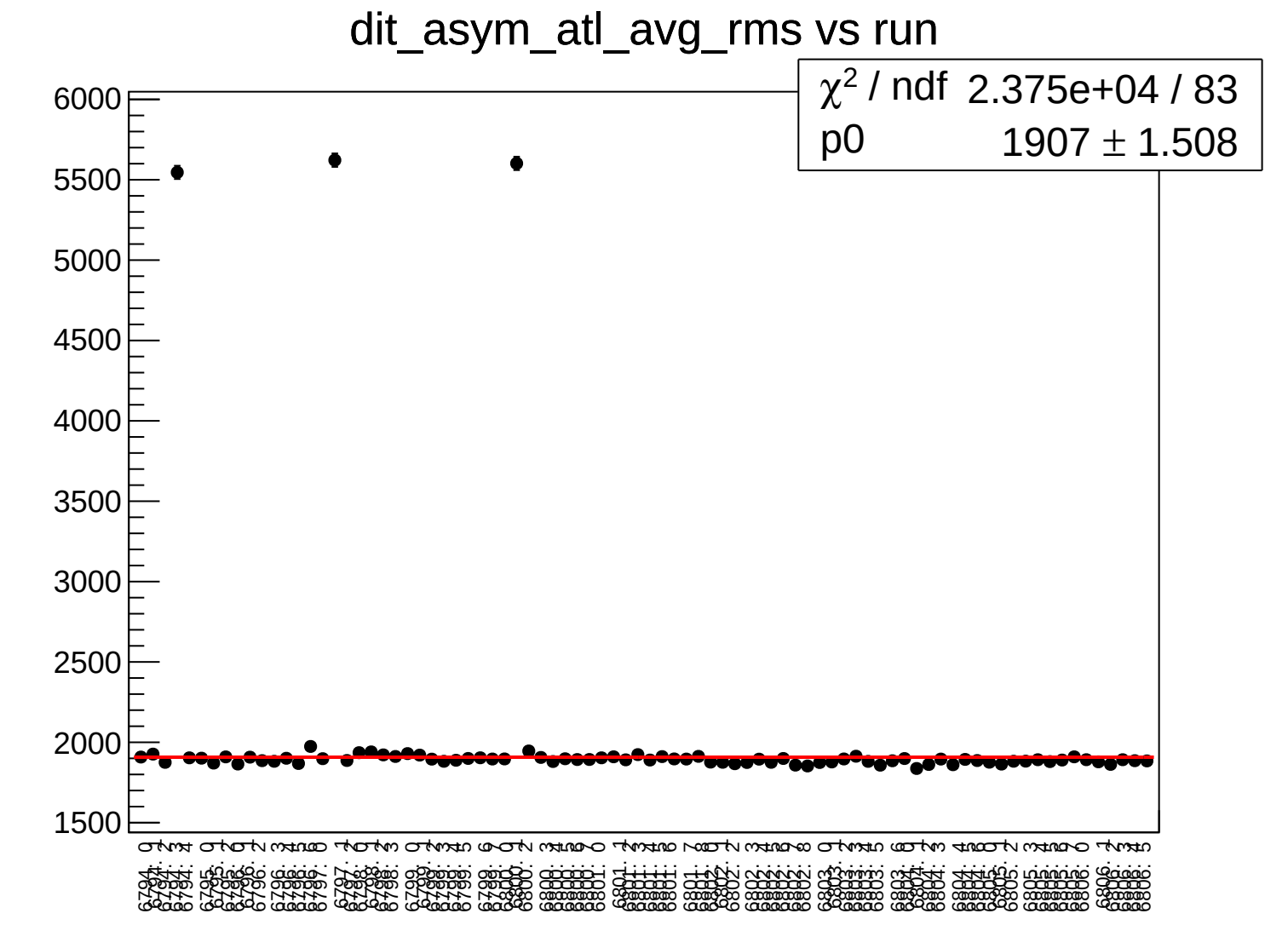

asym_at2_dd_mean vs run
×10^3
χ^2 / ndf 61.74 / 83
p0 −930.1± 2237
pull
Entries 84
Mean −7746
Std Dev 7738

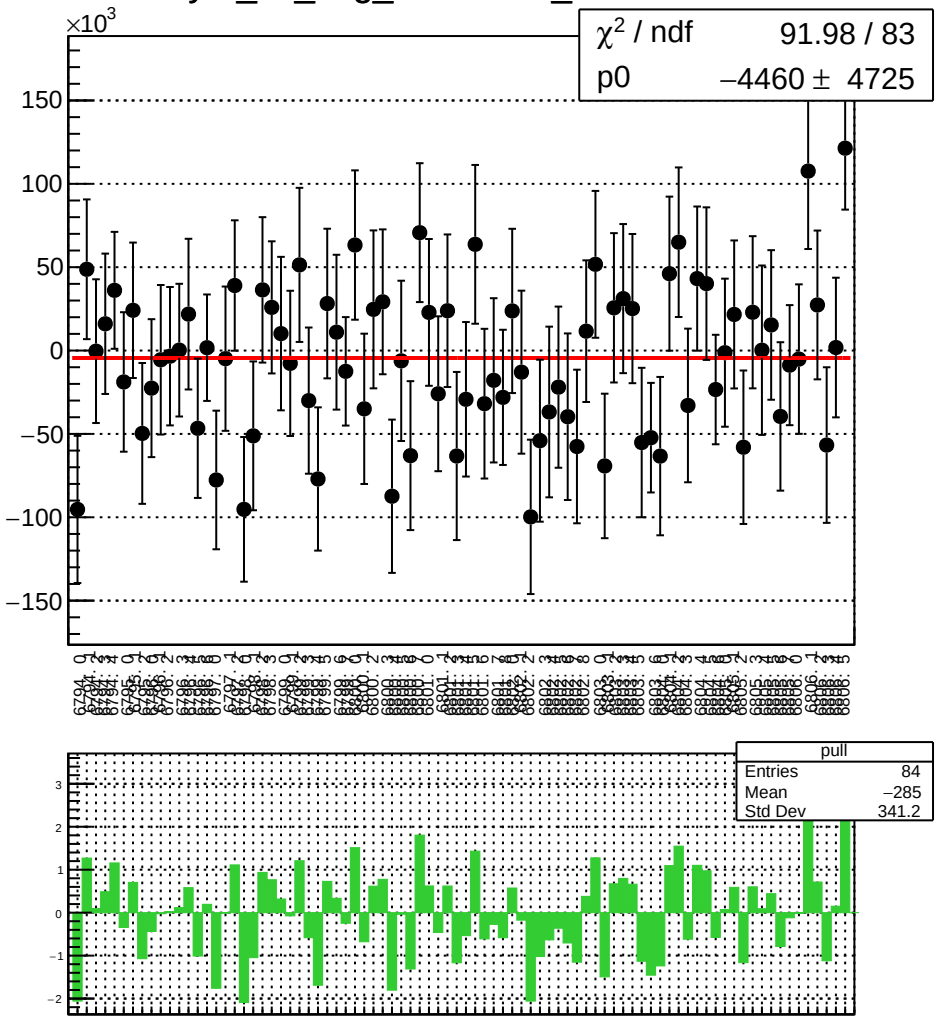

pull1D
Entries 84
Mean 4.991e−05
Std Dev 0.8574

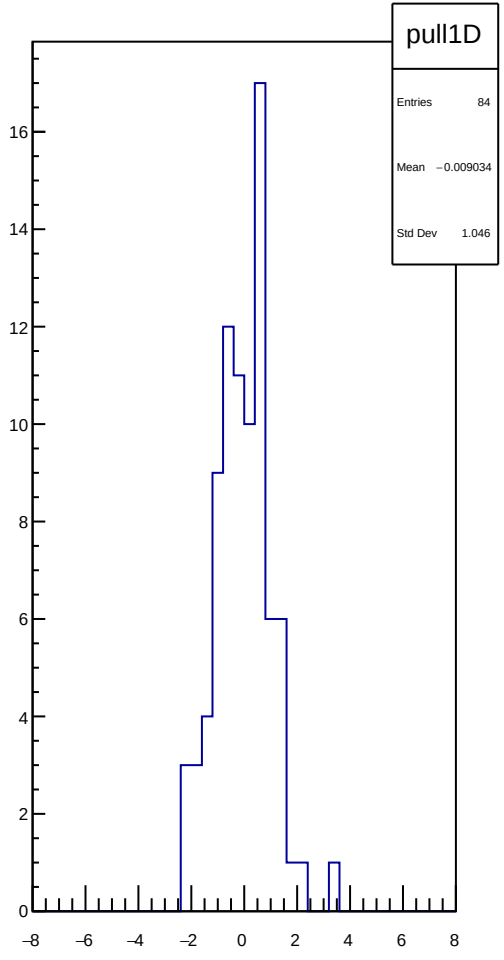

asym_at2_dd_rms vs run
χ^2 / ndf 7936 / 83
p0 2011 ± 1.582
5500
5000
4500
4000
3500
3000
2500
2000

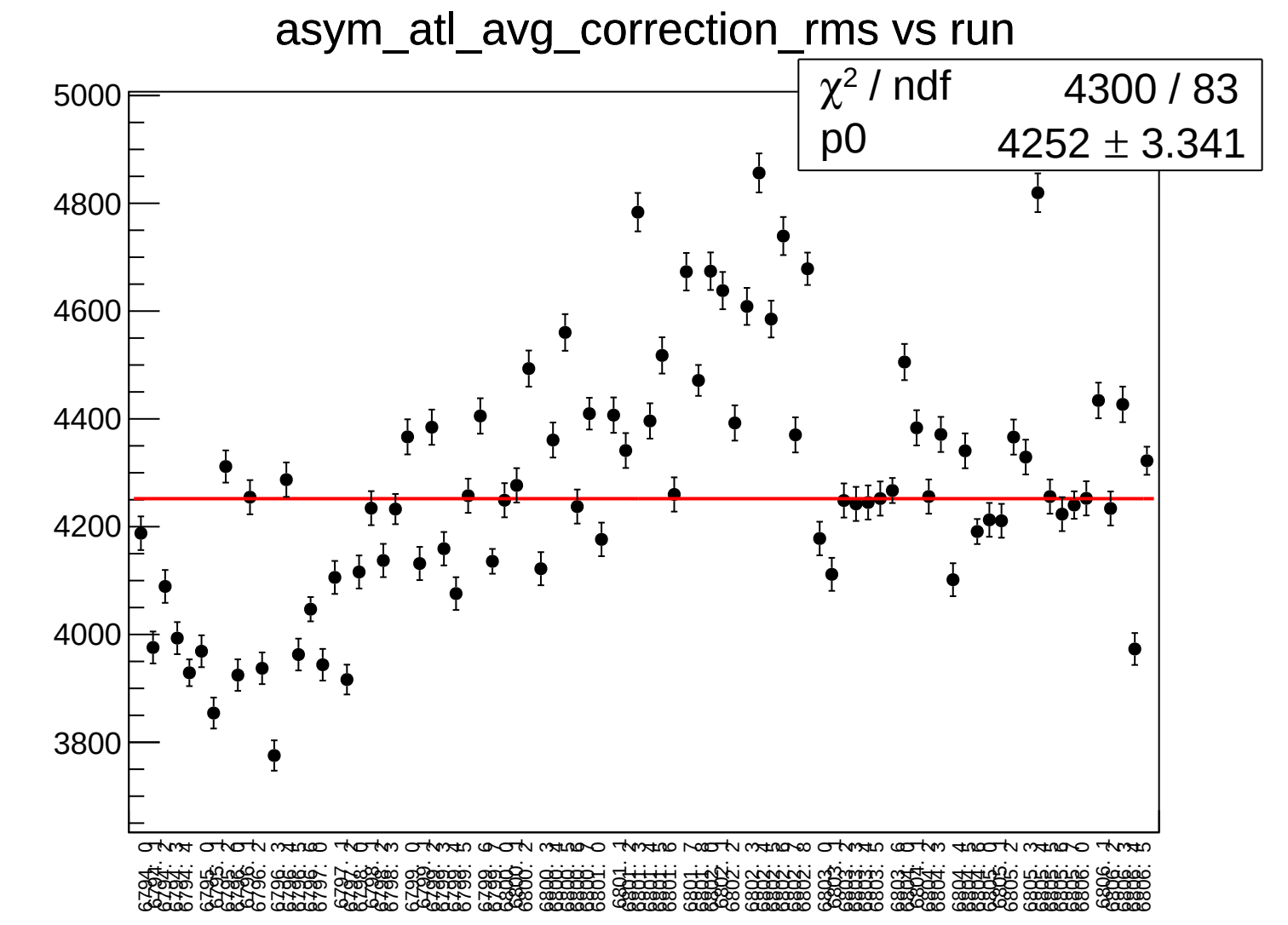

dit_asym_atl_avg_mean vs run
χ² / ndf 97.01 / 83
p0 −927.9 ± 2132
×10³
pull
Entries 84
Mean 113.7
Std Dev 75.42

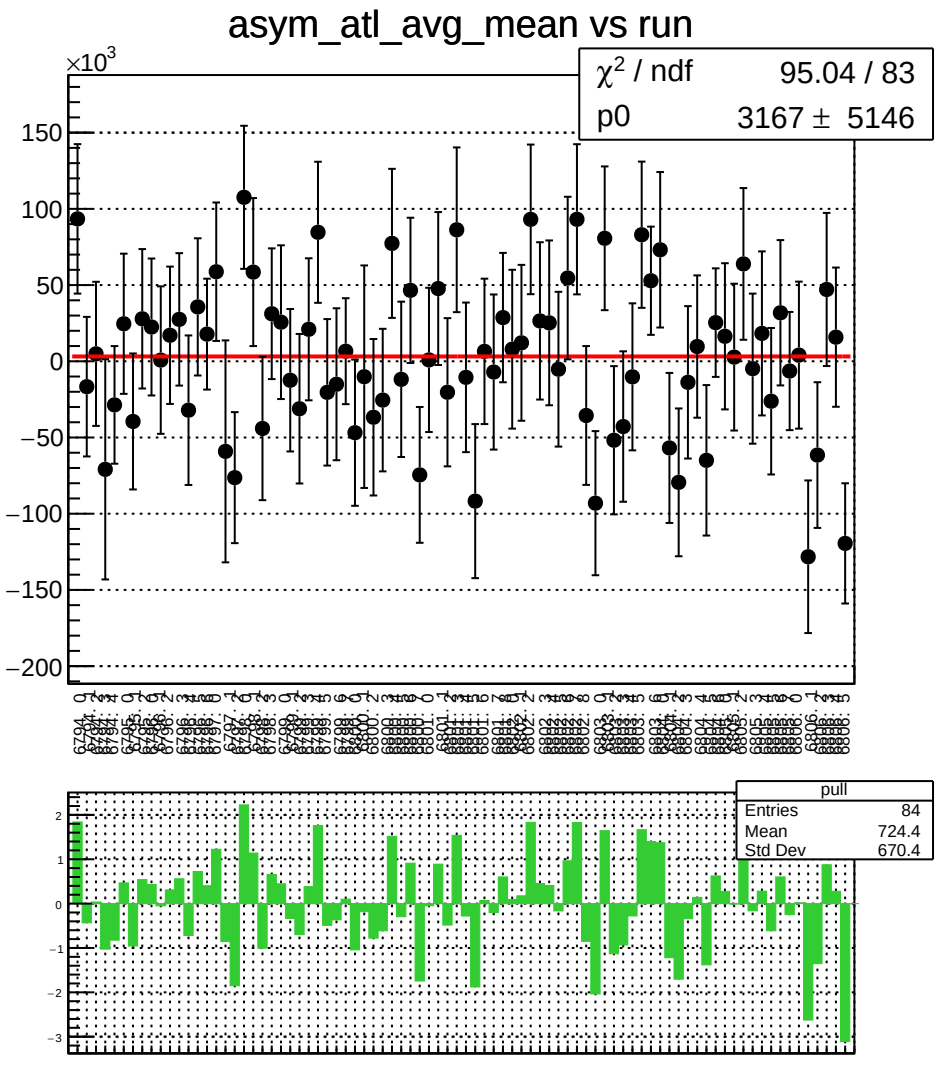

pull1D
Entries 84
Mean −0.02395
Std Dev 1.074

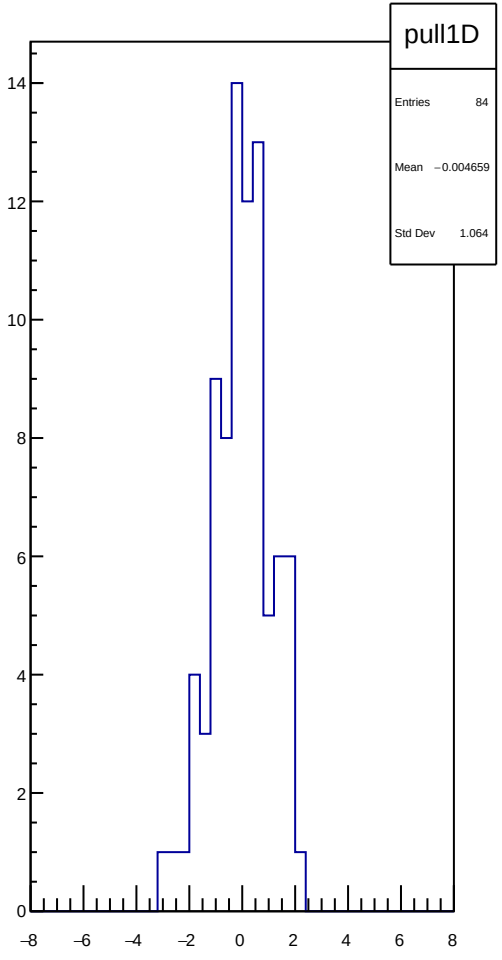

dit_asym_atl_avg_rms vs run
χ² / ndf 2.375e+04 / 83
p0 1907 ± 1.508
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

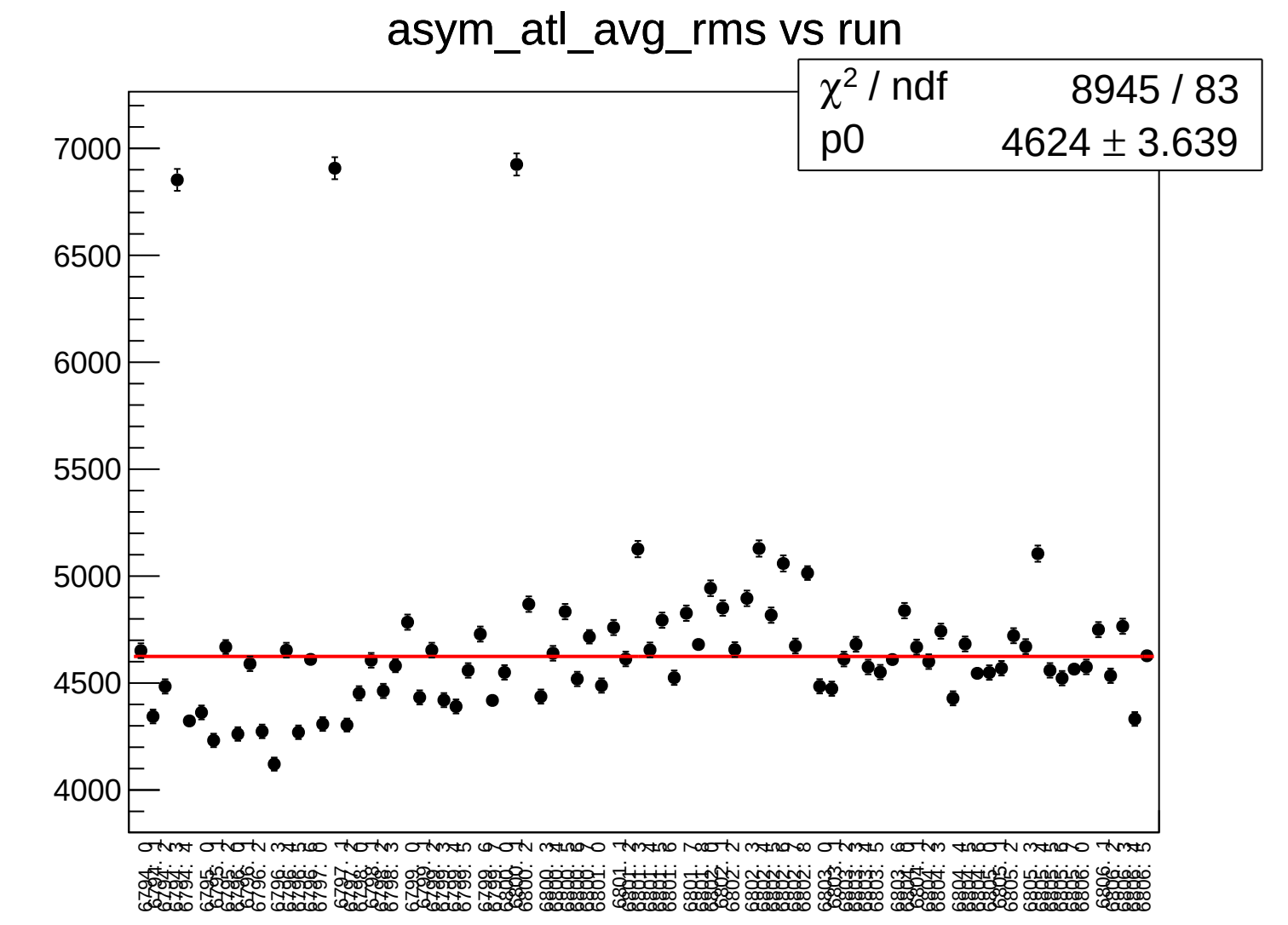

asym_atl_avg_correction_mean vs run
×10^3
χ^2 / ndf 91.98 / 83
p0 −4460 ± 4725
150
100
50
0
−50
−100
−150
pull
Entries 84
Mean −285
Std Dev 341.2
3
2
1
0
−1
−2

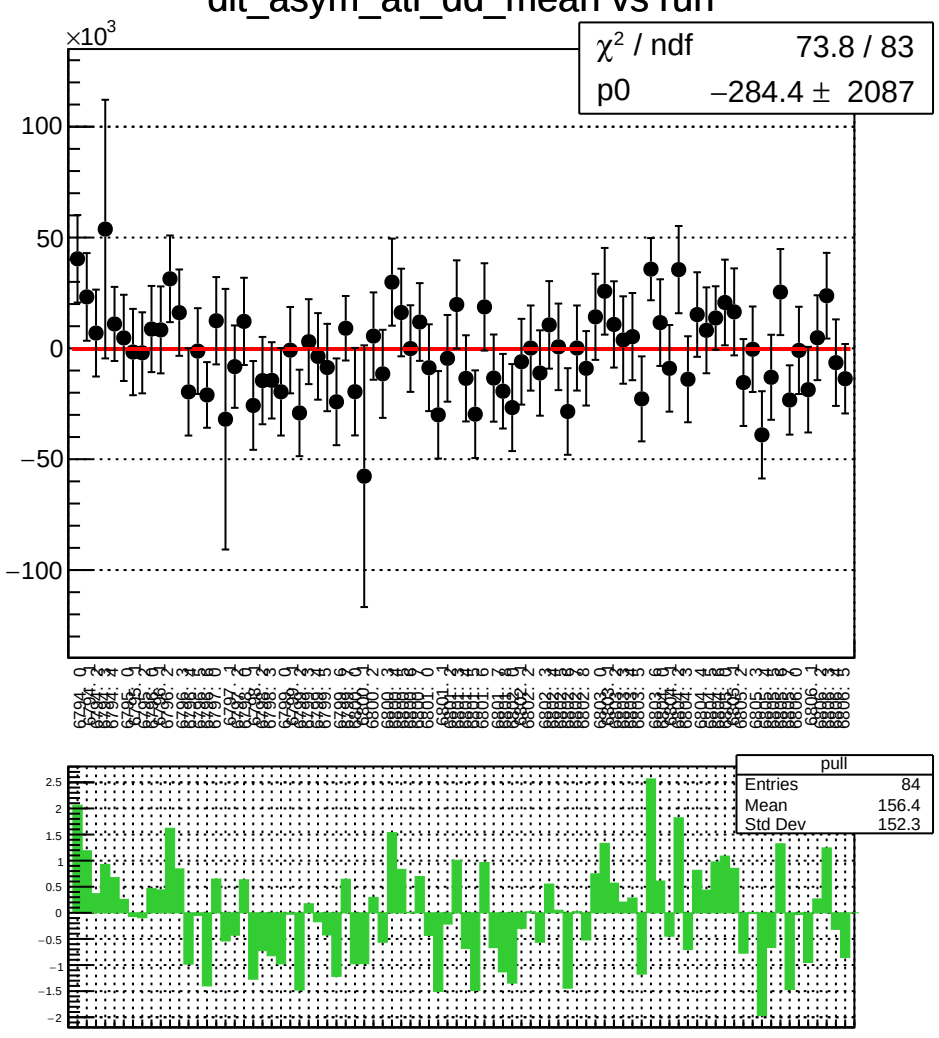

pull1D
Entries 84
Mean −0.009034
Std Dev 1.046
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

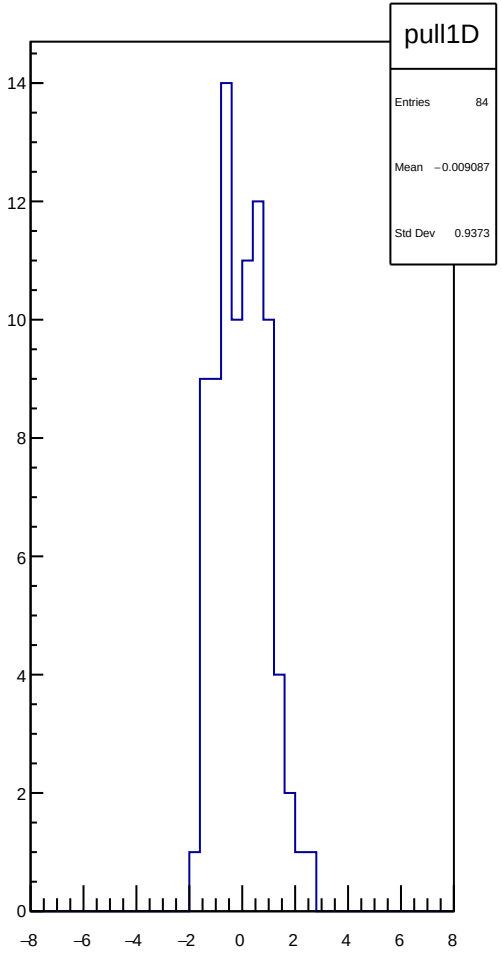

asym_atl_avg_correction_rms vs run
χ² / ndf 4300 / 83
p0 4252 ± 3.341
5000
4800
4600
4400
4200
4000
3800

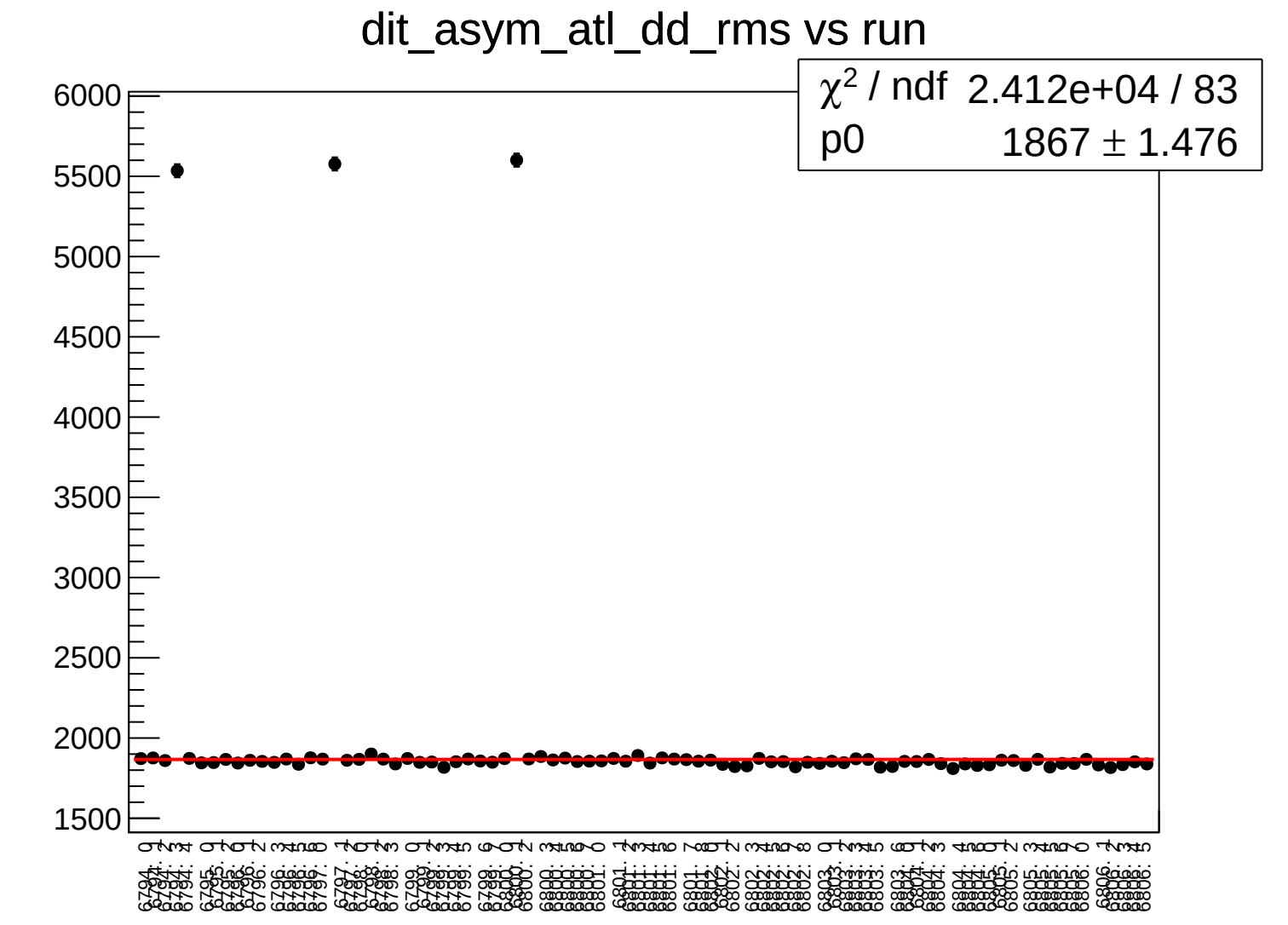

asym_atl_avg_mean vs run
×10^3
χ^2 / ndf 95.04 / 83
p0 3167 ± 5146
150
100
50
0
−50
−100
−150
−200
pull
Entries 84
Mean 724.4
Std Dev 670.4
2
1
0
−1
−2
−3

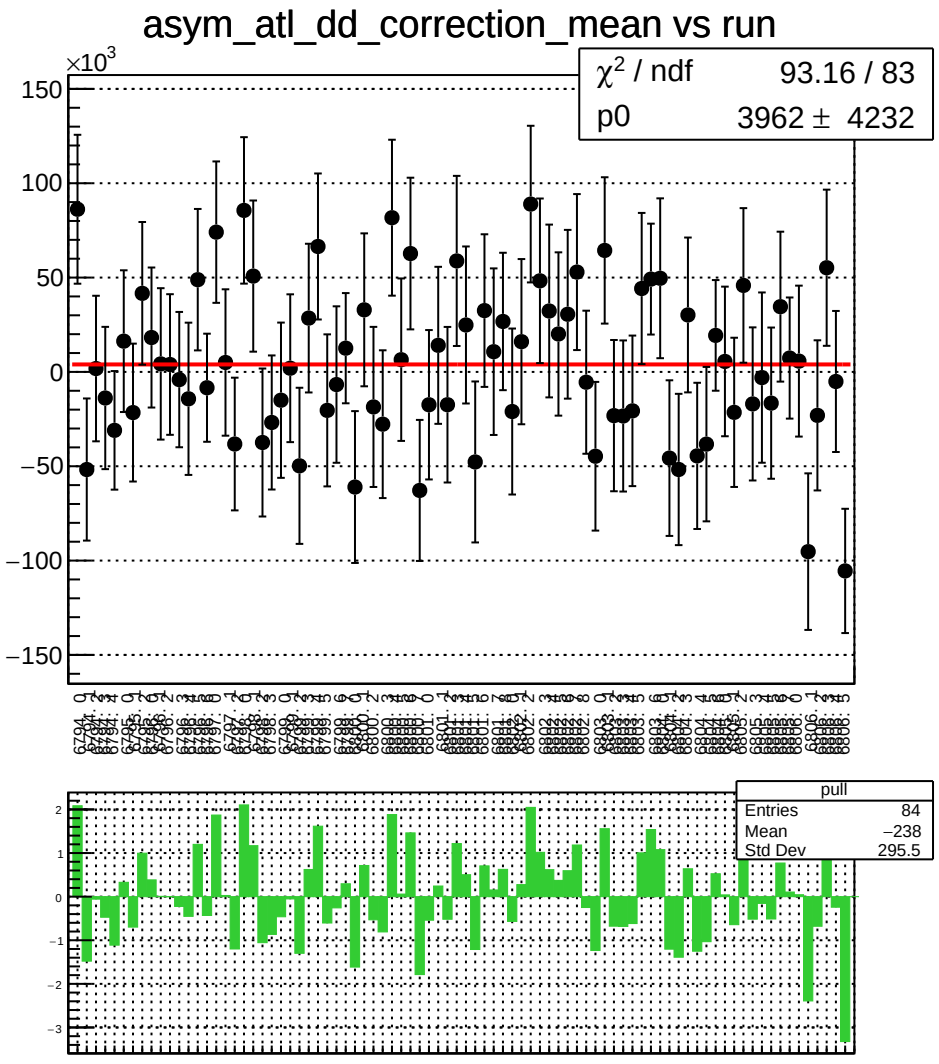

pull1D
Entries 84
Mean −0.004659
Std Dev 1.064
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

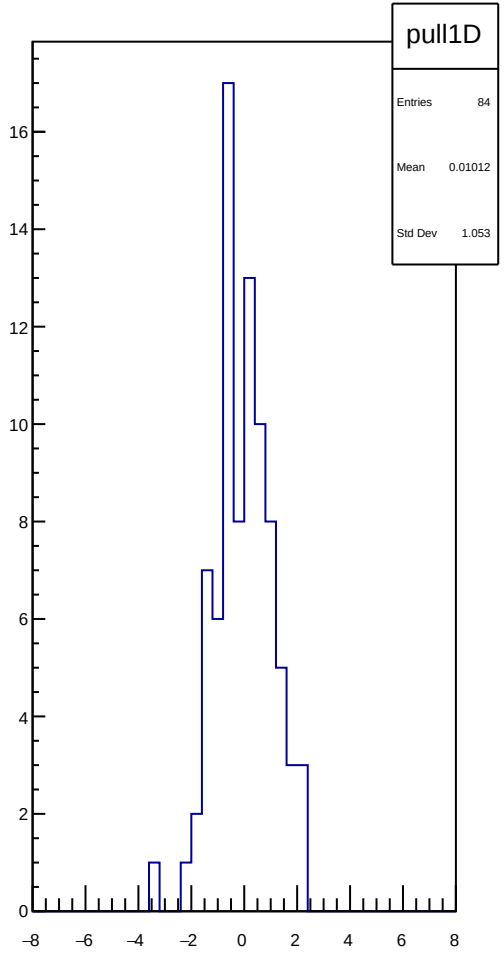

asym_atl_avg_rms vs run
χ^2 / ndf 8945 / 83
p0 4624 ± 3.639
7000
6500
6000
5500
5000
4500
4000

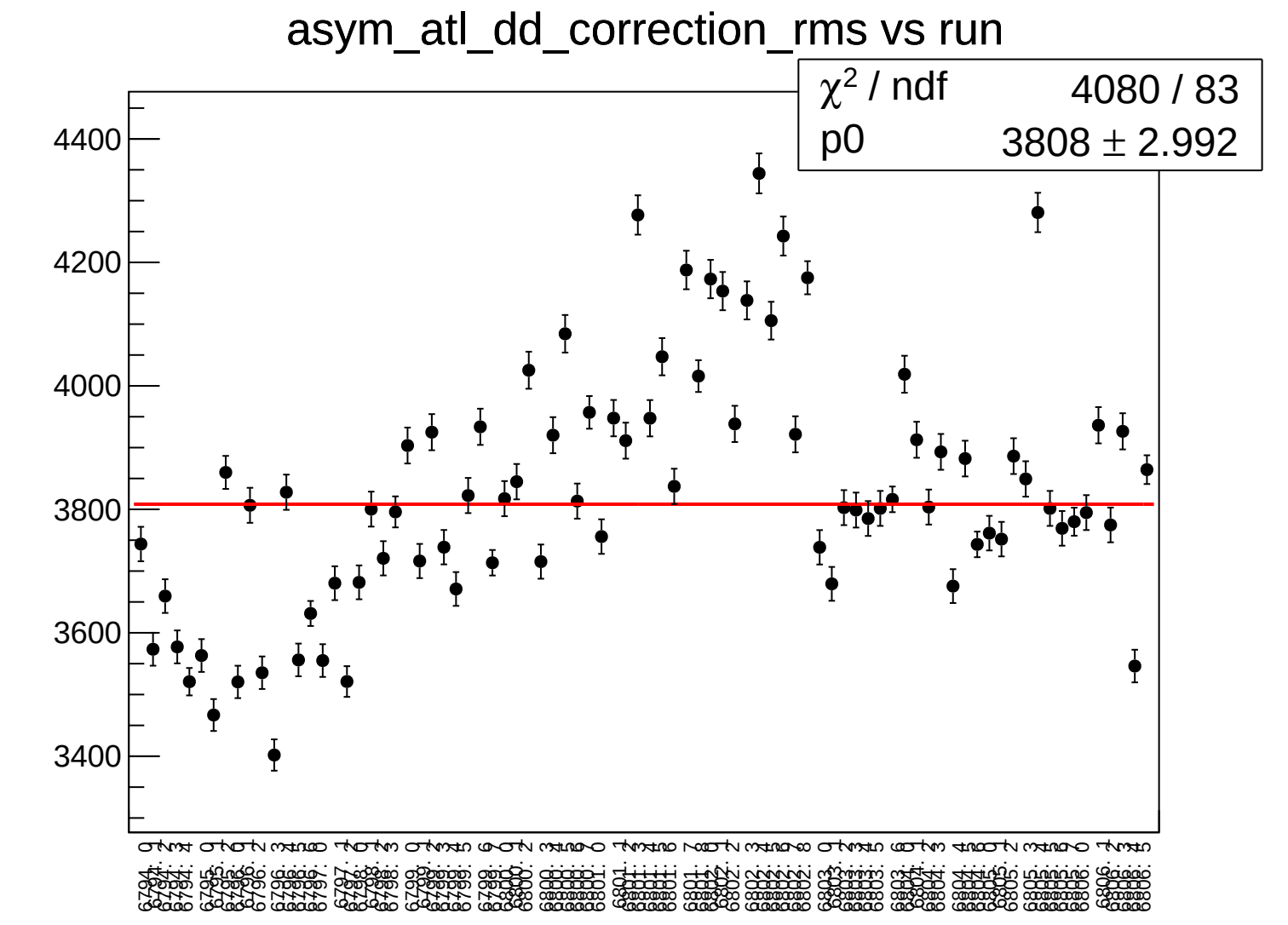

dit_asym_atl_dd_mean vs run
χ² / ndf 73.8 / 83
p0 −284.4 ± 2087
×10³
pull
Entries 84
Mean 156.4
Std Dev 152.3

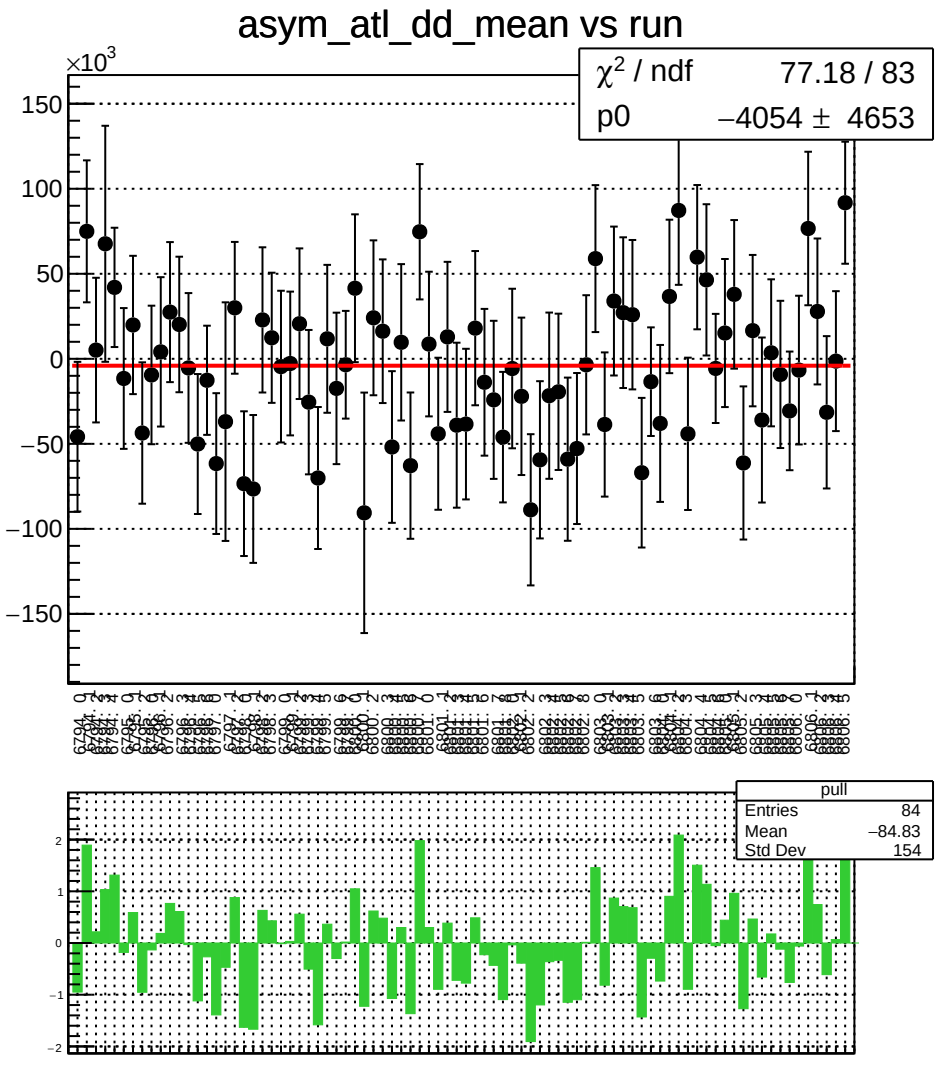

pull1D
Entries 84
Mean −0.009087
Std Dev 0.9373

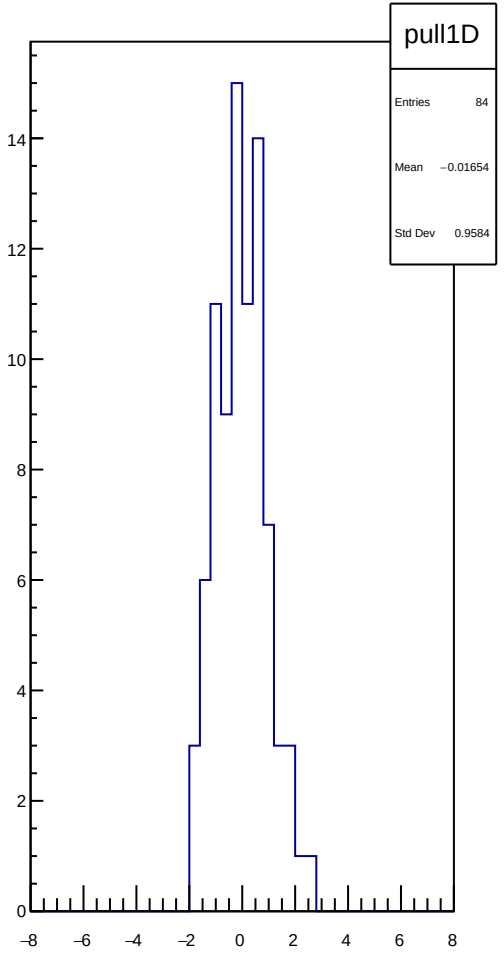

dit_asym_atl_dd_rms vs run
χ² / ndf 2.412e+04 / 83
p0 1867 ± 1.476
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

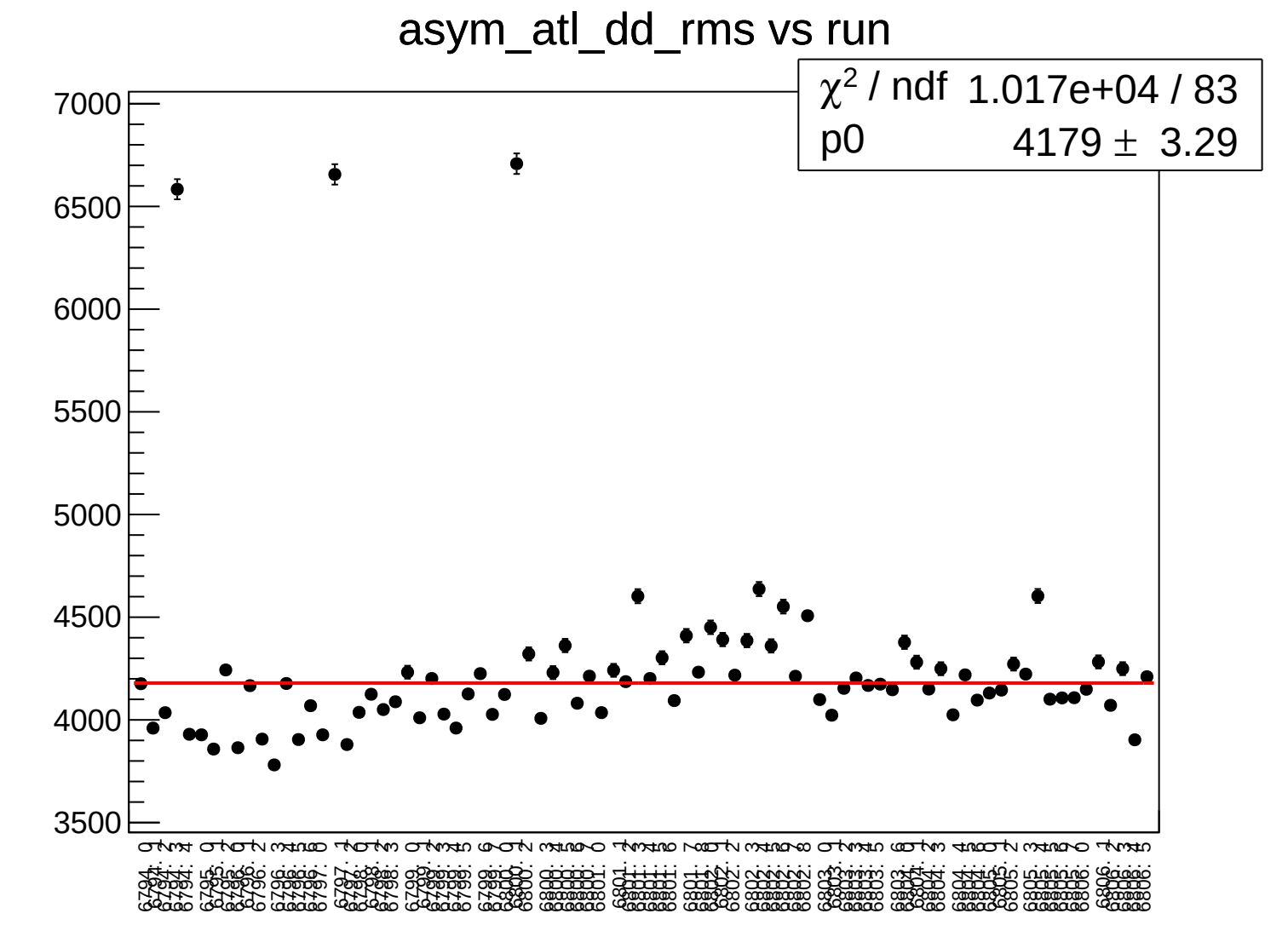

asym_atl_dd_correction_mean vs run
×10^3
χ^2 / ndf 93.16 / 83
p0 3962 ± 4232
150
100
50
0
−50
−100
−150
pull
Entries 84
Mean −238
Std Dev 295.5
2
1
0
−1
−2
−3

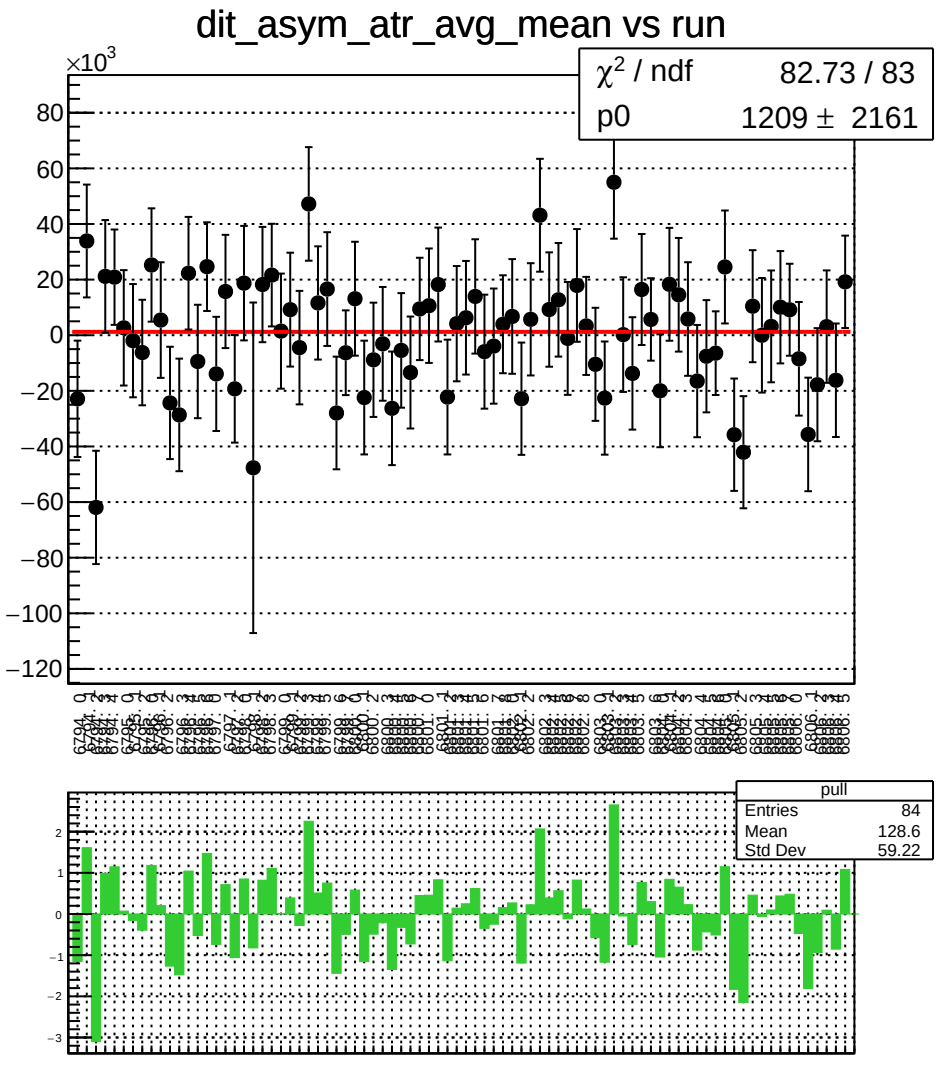

pull1D
Entries 84
Mean 0.01012
Std Dev 1.053
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

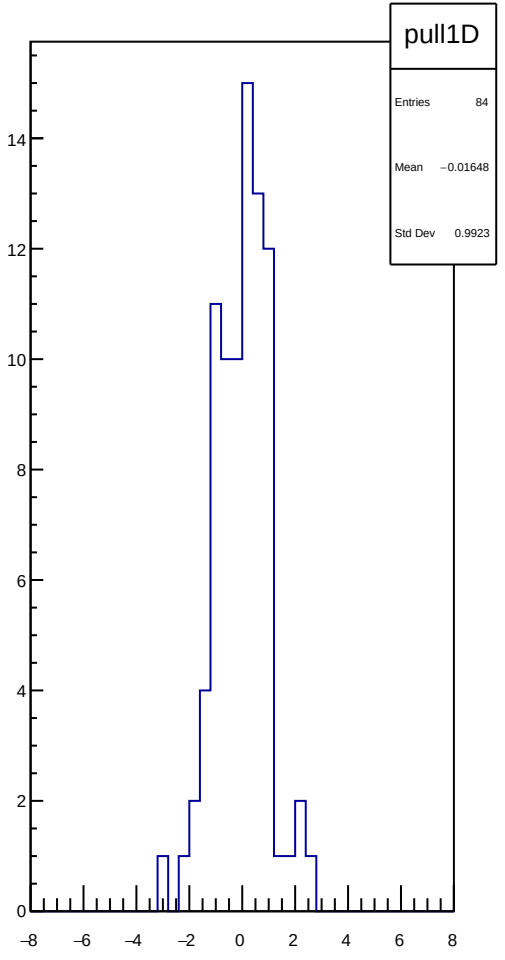

asym_atl_dd_correction_rms vs run
χ² / ndf 4080 / 83
p0 3808 ± 2.992
4400
4200
4000
3800
3600
3400

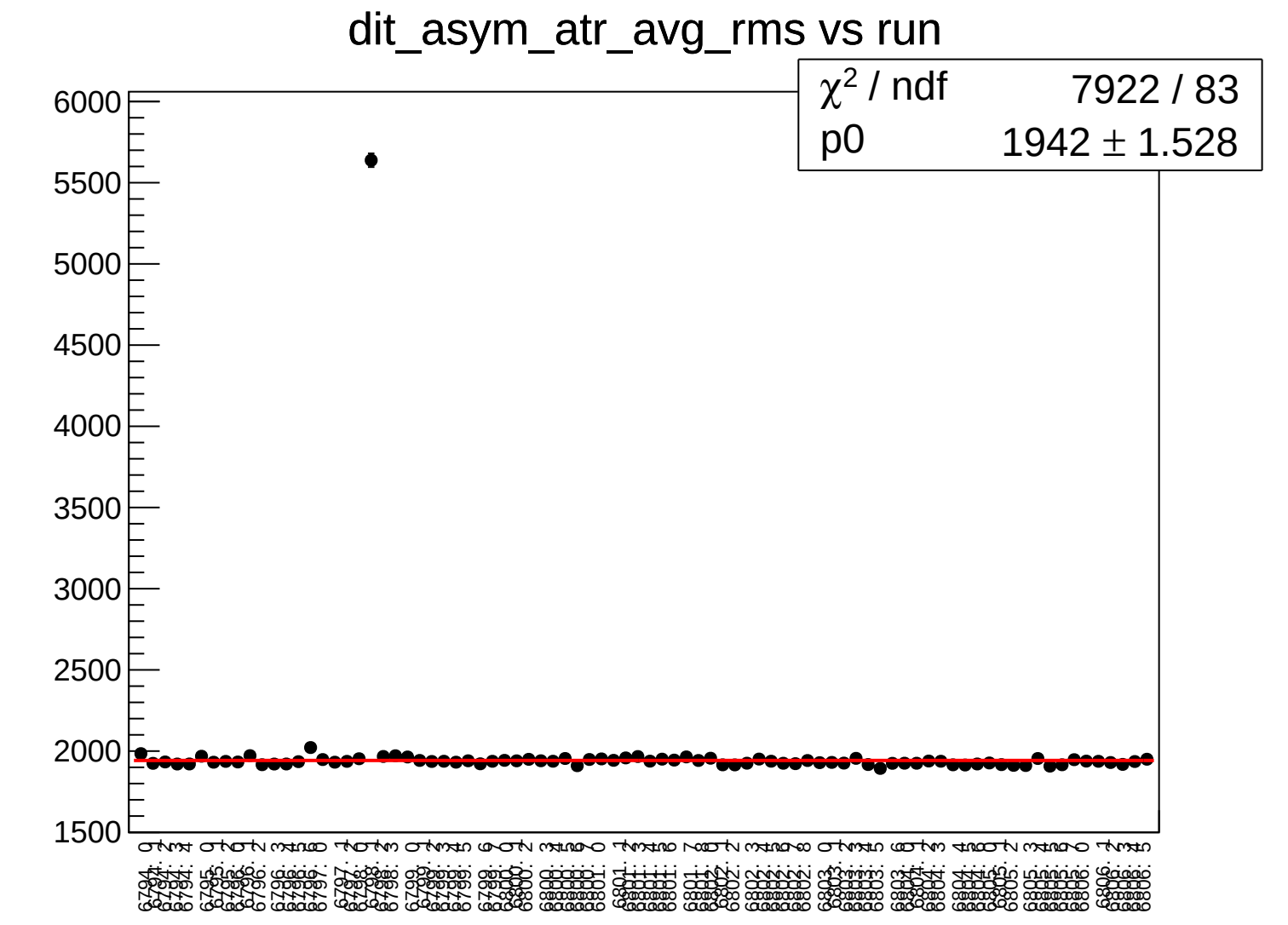

asym_atl_dd_mean vs run
×10^3
χ² / ndf 77.18 / 83
p0 −4054 ± 4653
150
100
50
0
−50
−100
−150
pull
Entries 84
Mean −84.83
Std Dev 154
2
1
0
−1
−2

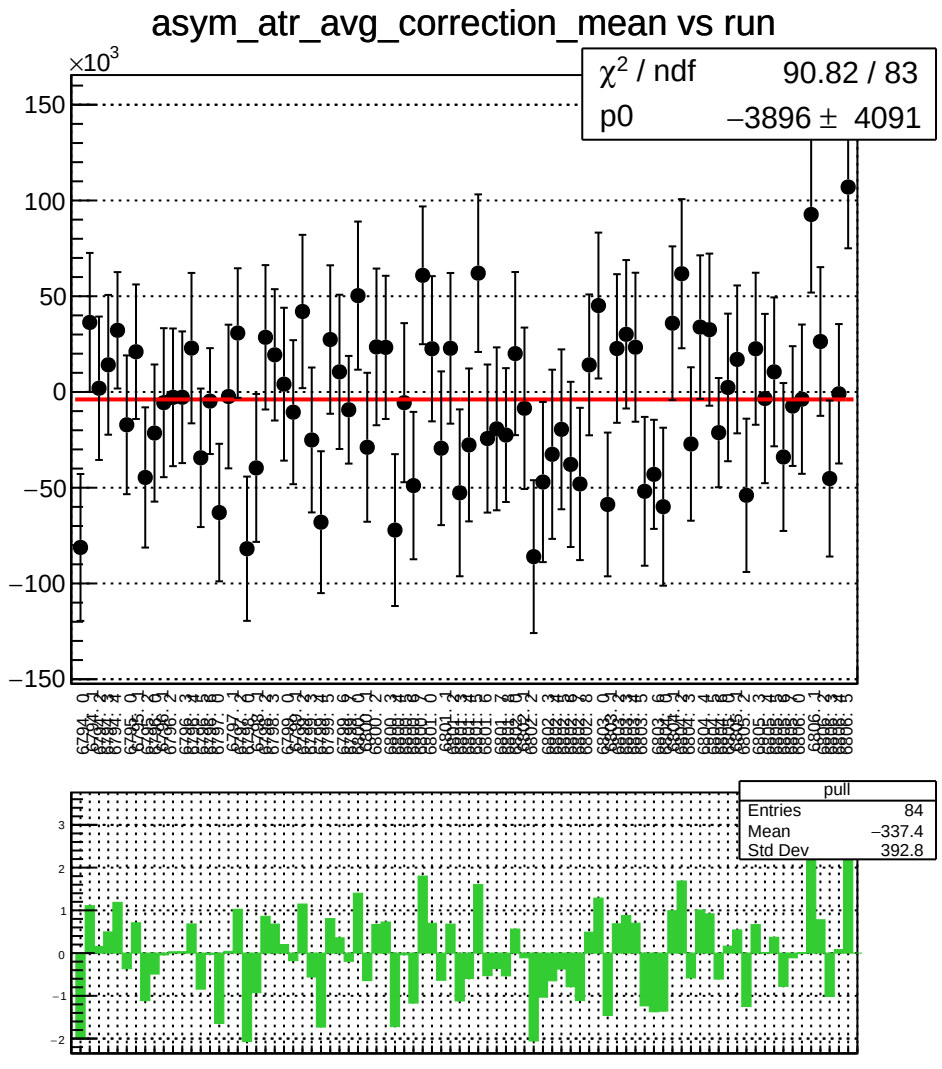

pull1D
Entries 84
Mean −0.01654
Std Dev 0.9584
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

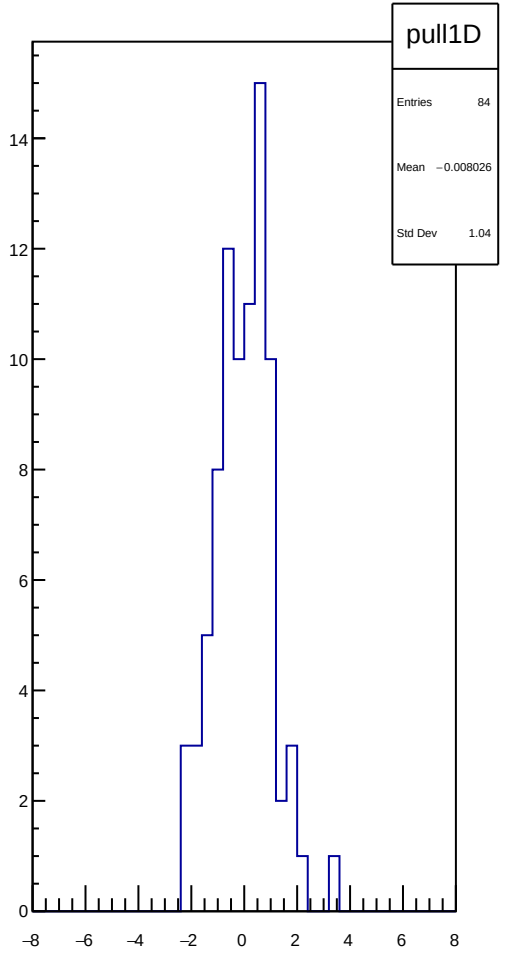

asym_atl_dd_rms vs run
χ² / ndf 1.017e+04 / 83
p0 4179 ± 3.29
7000
6500
6000
5500
5000
4500
4000
3500

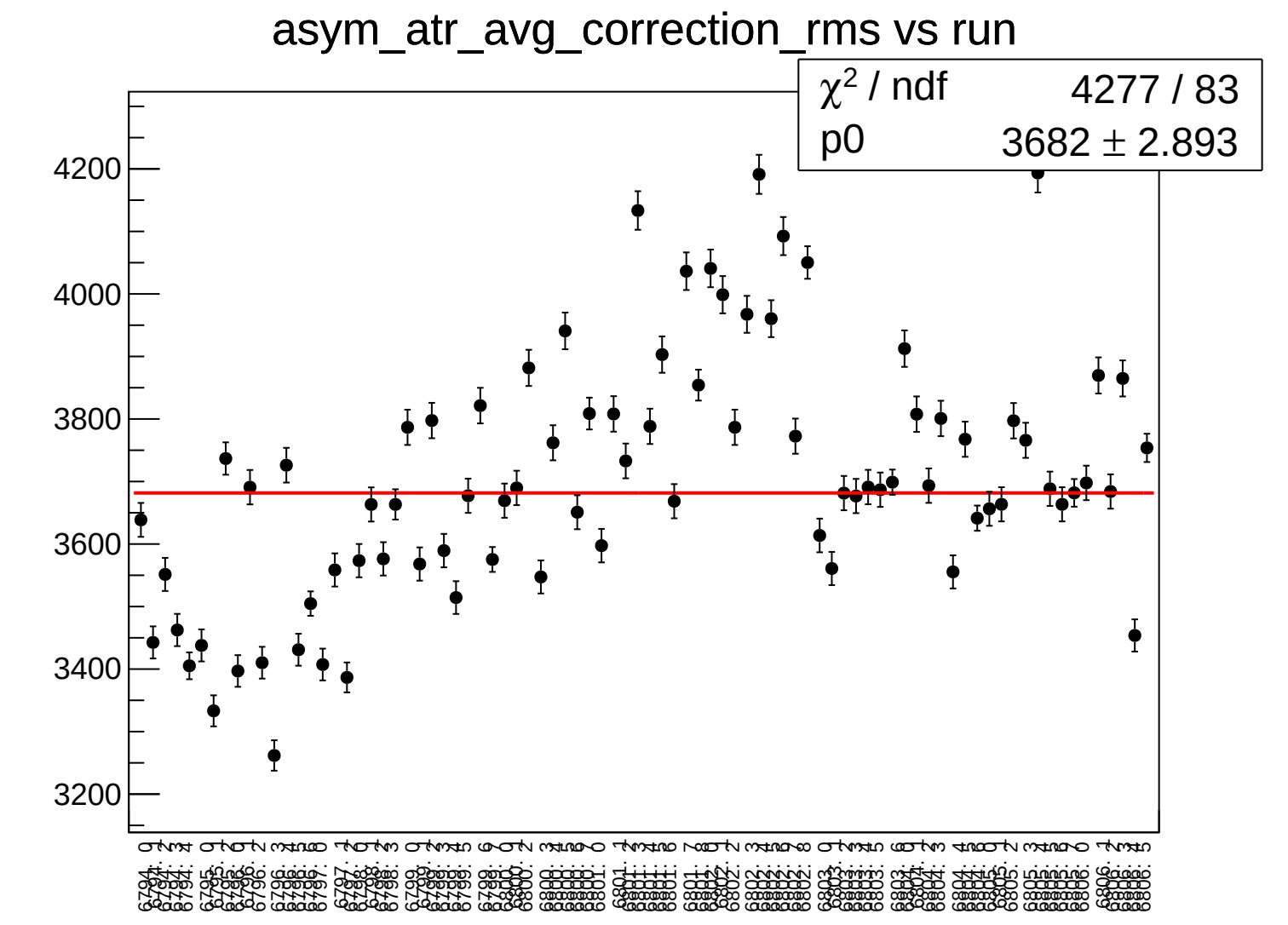

dit_asym_atr_avg_mean vs run
×10^3
χ² / ndf 82.73 / 83
p0 1209 ± 2161
pull
Entries 84
Mean 128.6
Std Dev 59.22

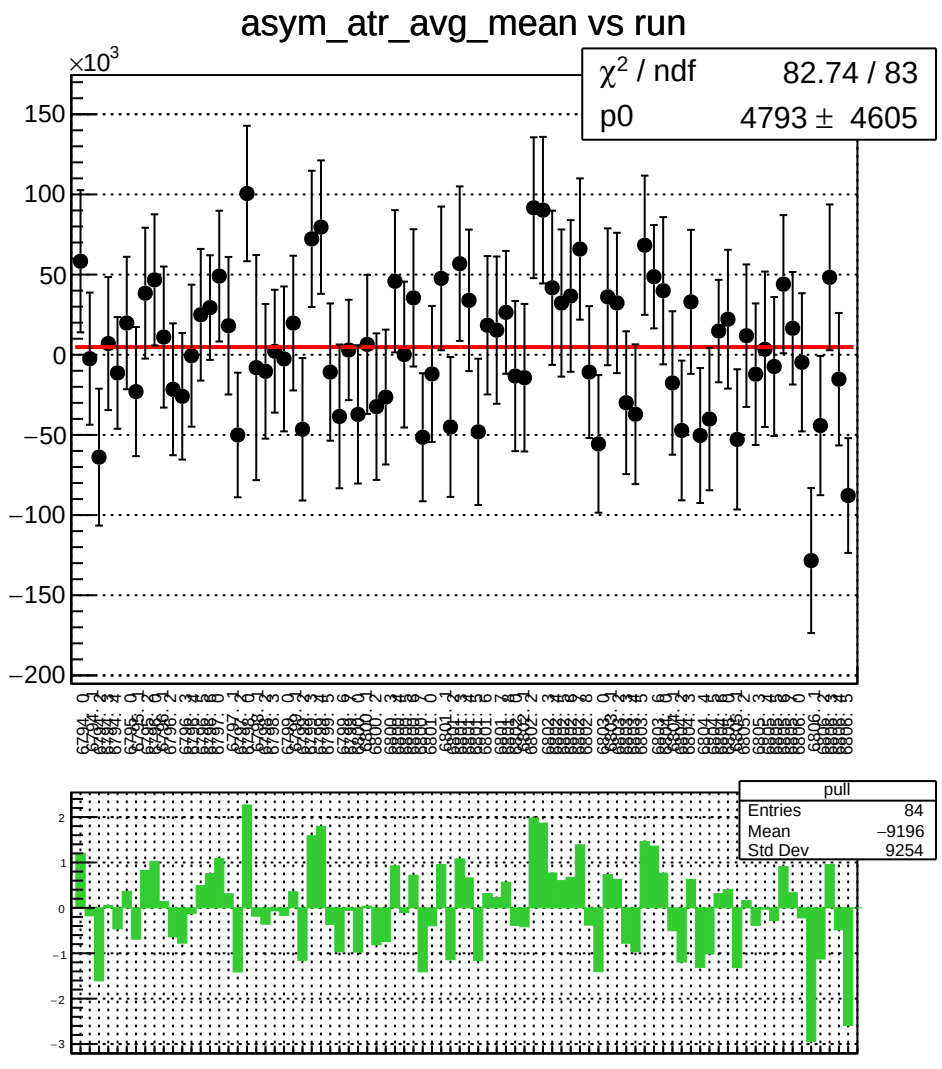

pull1D
Entries 84
Mean −0.01648
Std Dev 0.9923

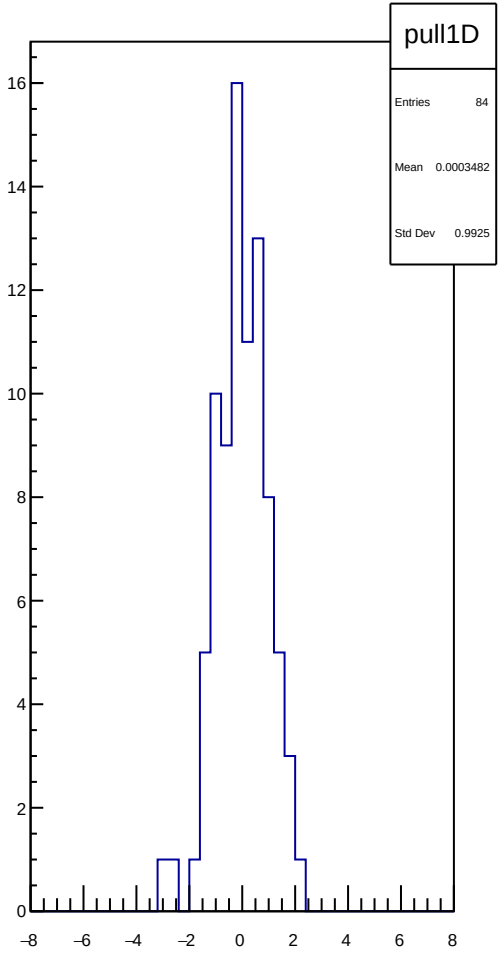

dit_asym_atr_avg_rms vs run
χ² / ndf 7922 / 83
p0 1942 ± 1.528
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

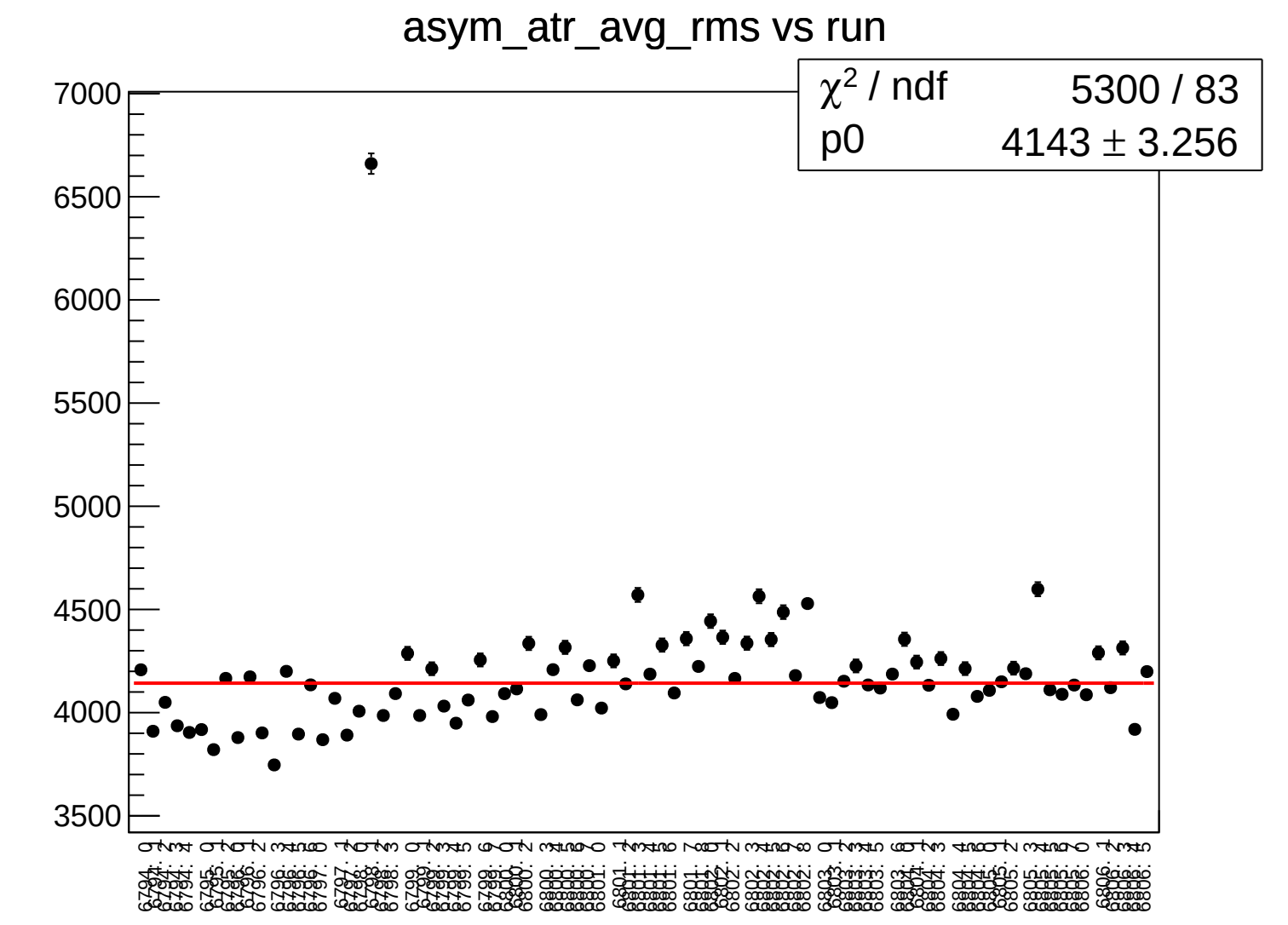

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 90.82 / 83
p0 −3896 ± 4091
150
100
50
0
−50
−100
−150
pull
Entries 84
Mean −337.4
Std Dev 392.8
3
2
1
0
−1
−2

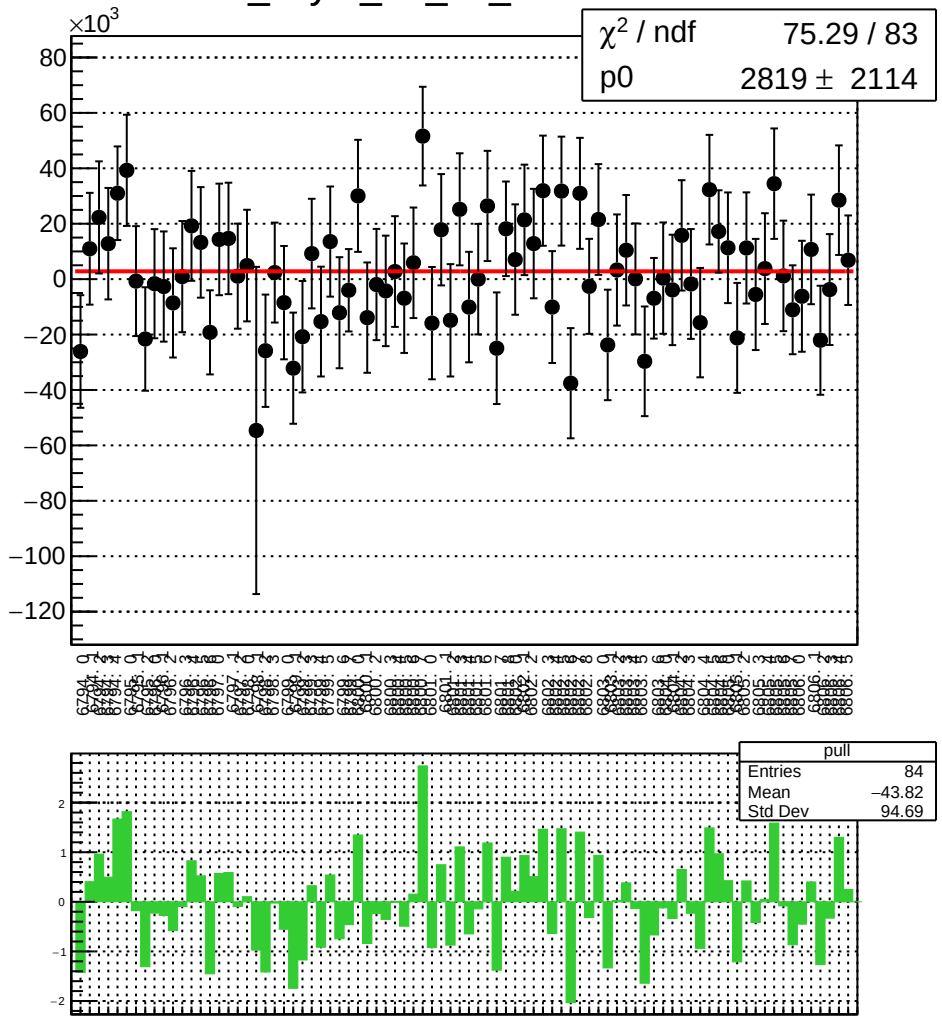

pull1D
Entries 84
Mean −0.008026
Std Dev 1.04
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

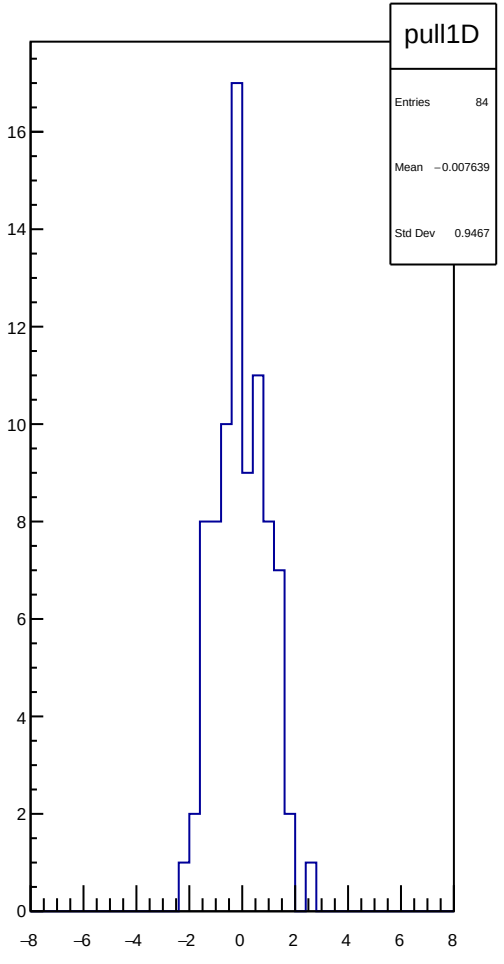

asym_atr_avg_correction_rms vs run
χ² / ndf 4277 / 83
p0 3682 ± 2.893
4200
4000
3800
3600
3400
3200

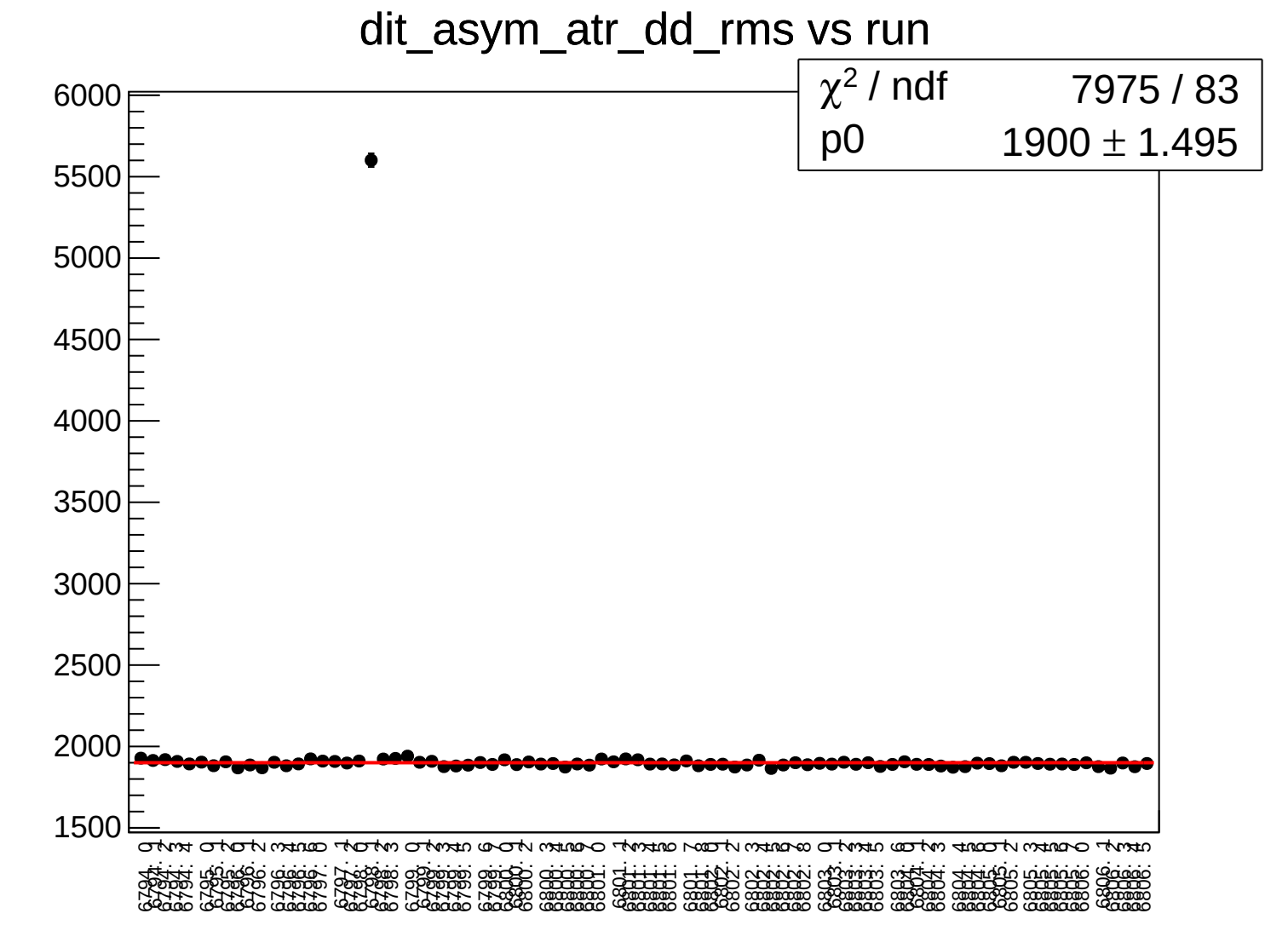

asym_atr_avg_mean vs run
×10^3
χ^2 / ndf 82.74 / 83
p0 4793 ± 4605
150
100
50
0
−50
−100
−150
−200
pull
Entries 84
Mean −9196
Std Dev 9254
2
1
0
−1
−2
−3

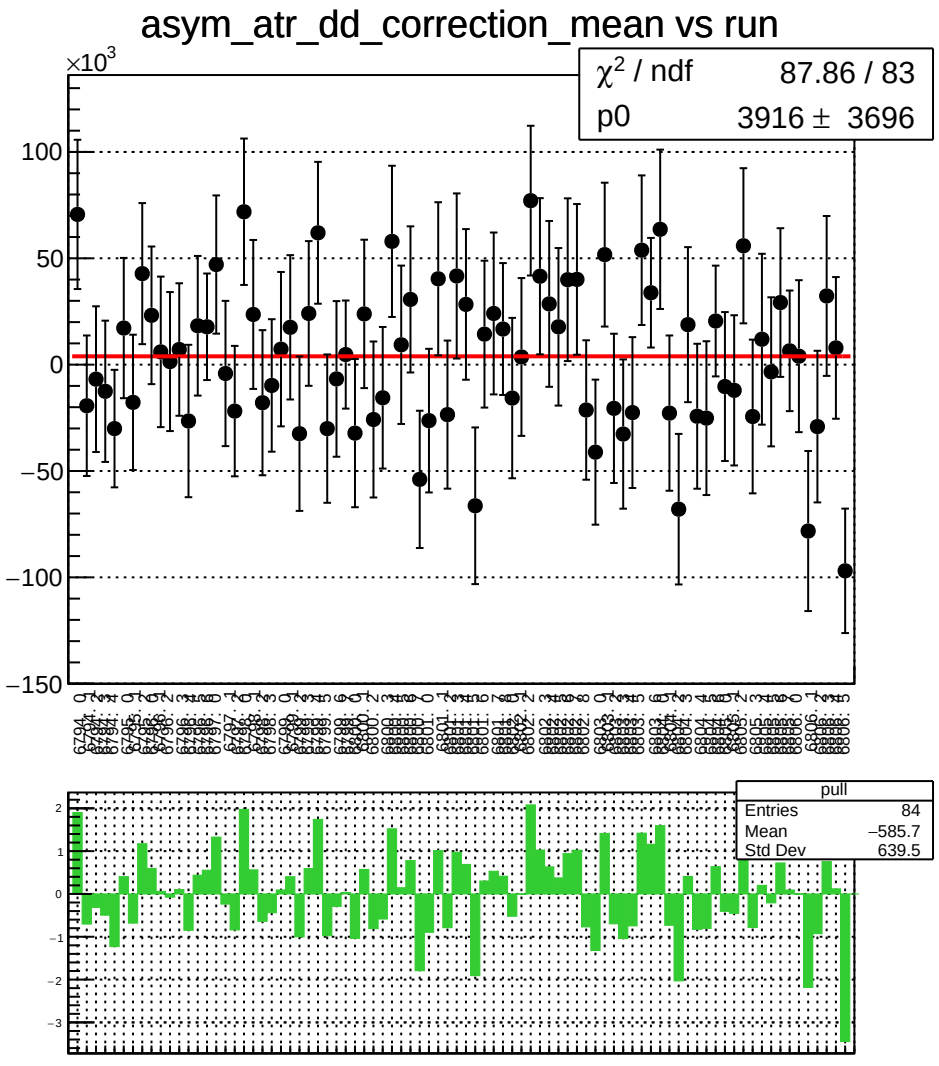

pull1D
Entries 84
Mean 0.0003482
Std Dev 0.9925
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

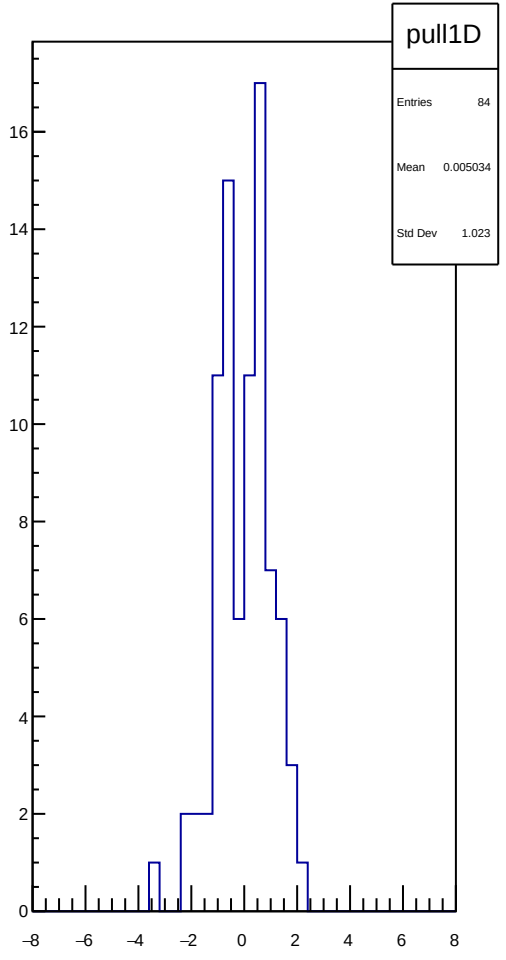

asym_atr_avg_rms vs run
χ^2 / ndf 5300 / 83
p0 4143 ± 3.256
7000
6500
6000
5500
5000
4500
4000
3500

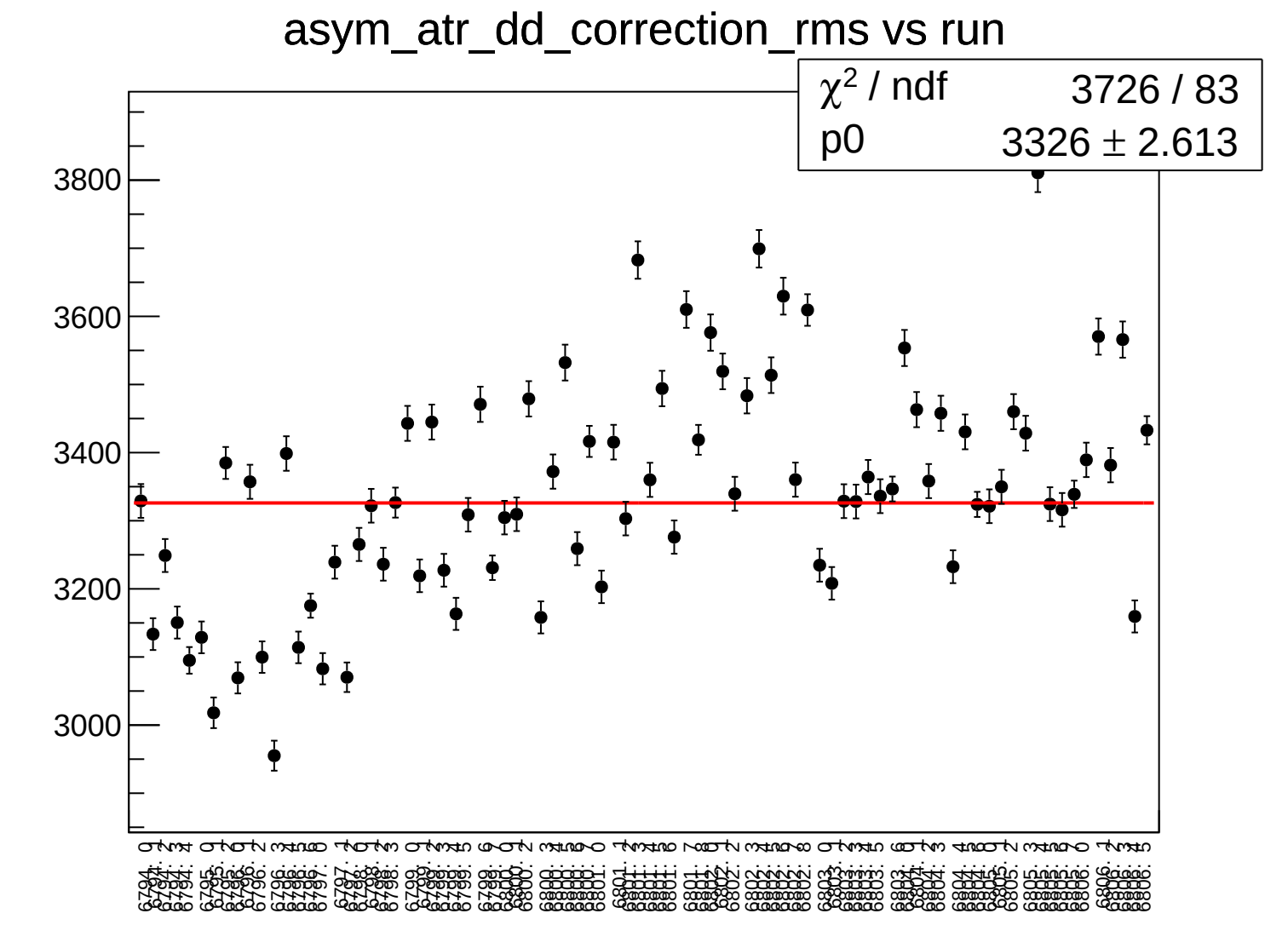

dit_asym_atr_dd_mean vs run
×10^3
χ^2 / ndf 75.29 / 83
p0 2819 ± 2114
pull
Entries 84
Mean −43.82
Std Dev 94.69

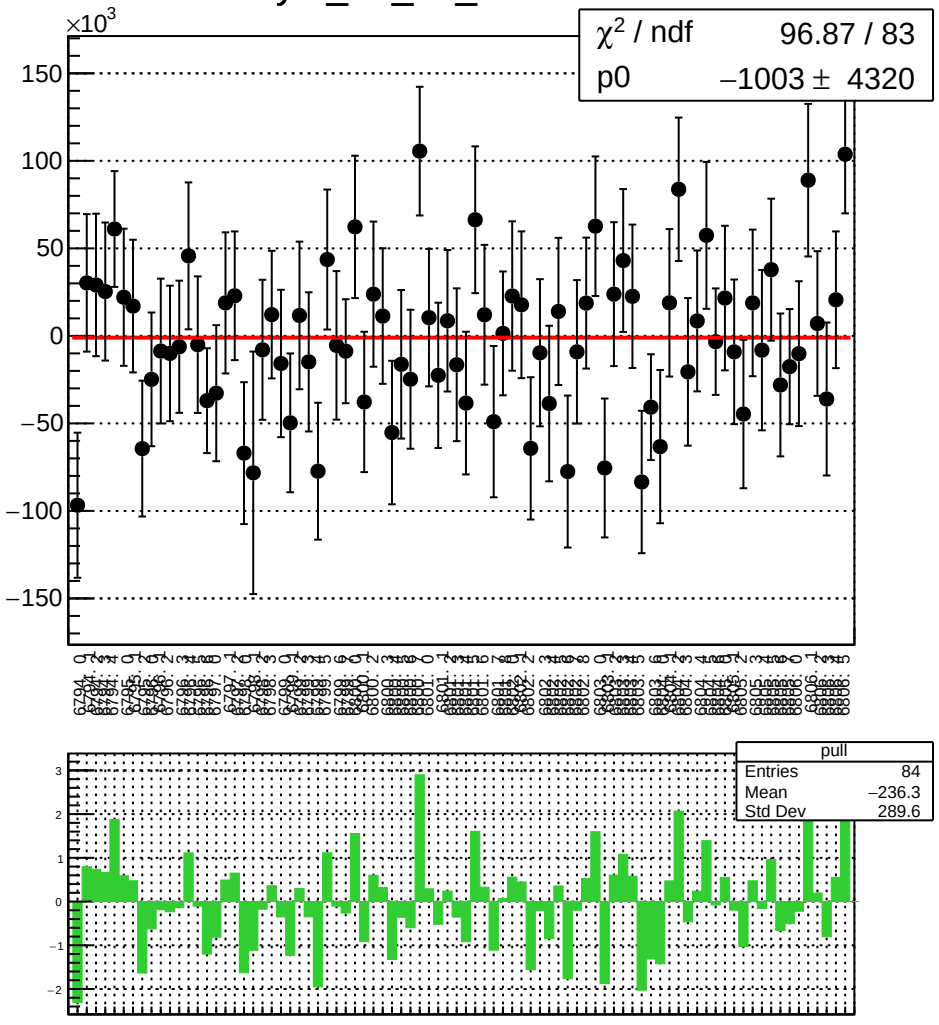

pull1D
Entries 84
Mean −0.007639
Std Dev 0.9467

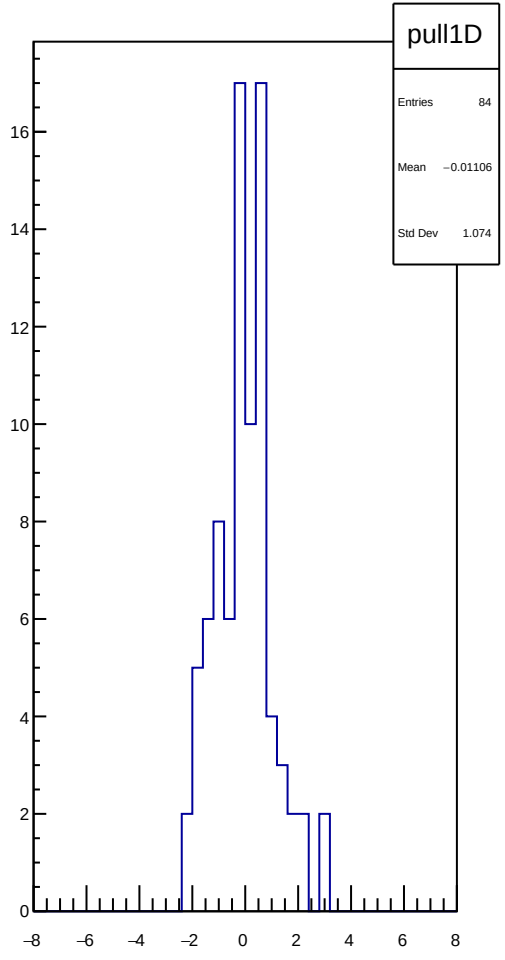

dit_asym_atr_dd_rms vs run
χ² / ndf 7975 / 83
p0 1900 ± 1.495
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

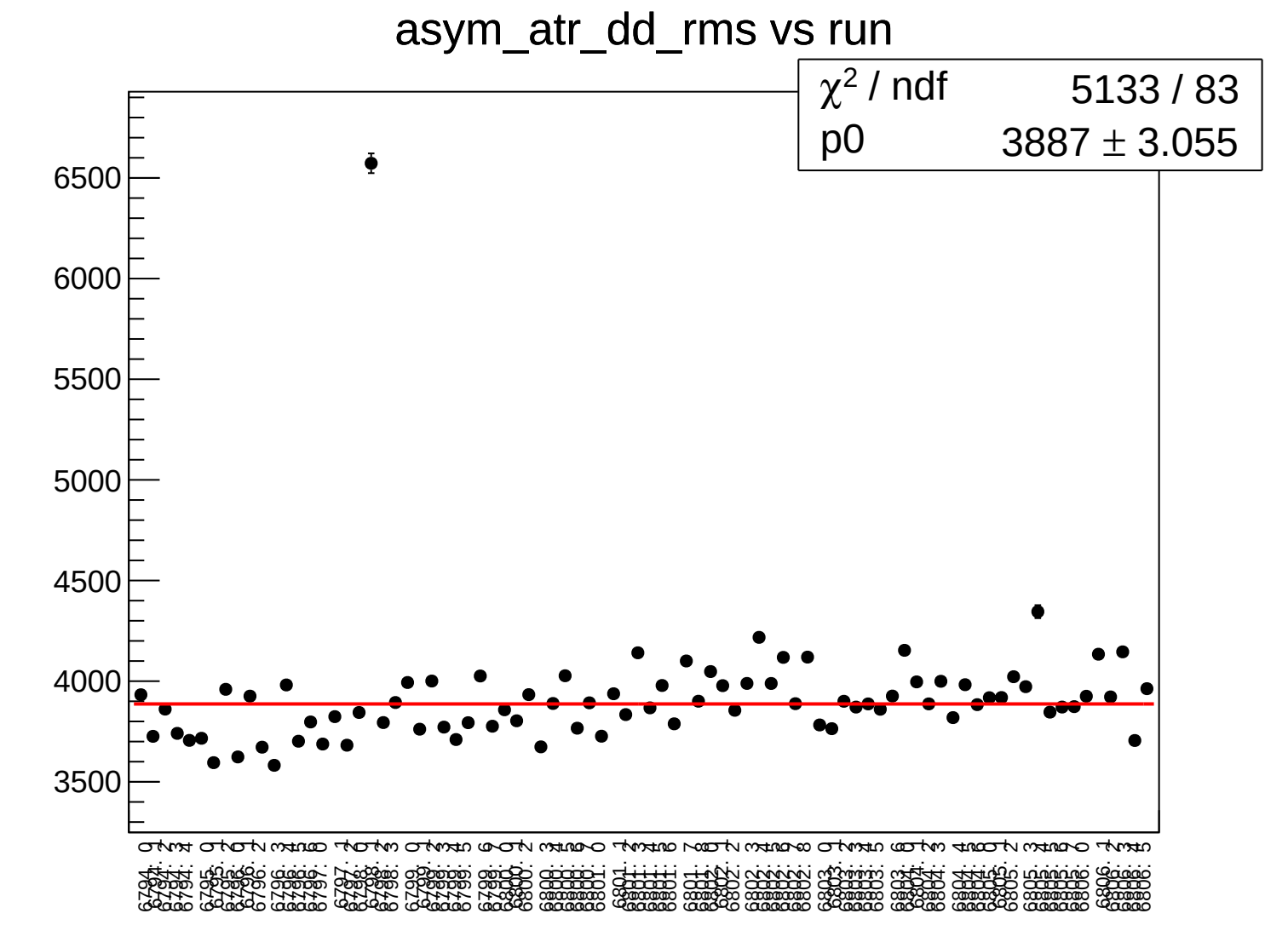

asym_atr_dd_correction_mean vs run
×10^3
χ^2 / ndf 87.86 / 83
p0 3916 ± 3696
100
50
0
−50
−100
−150
pull
Entries 84
Mean −585.7
Std Dev 639.5
2
1
0
−1
−2
−3

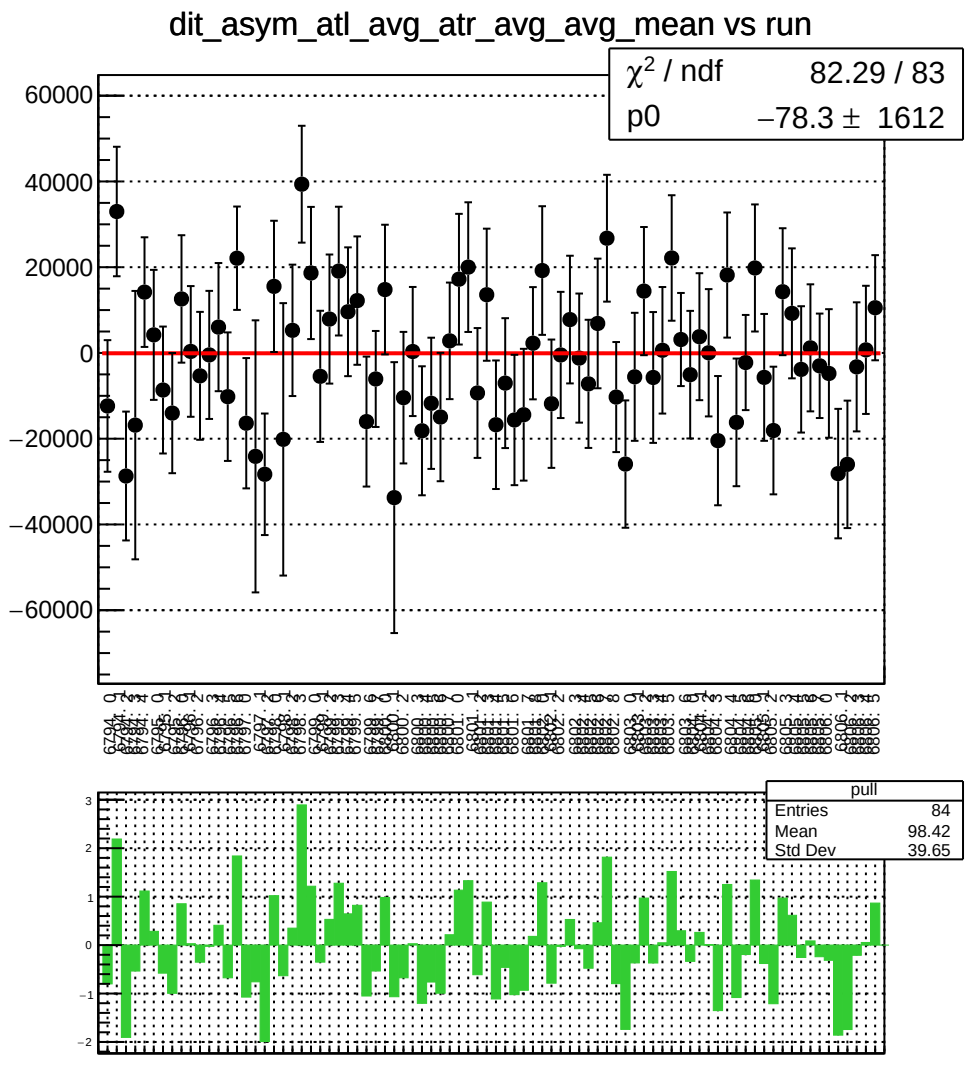

pull1D
Entries 84
Mean 0.005034
Std Dev 1.023
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

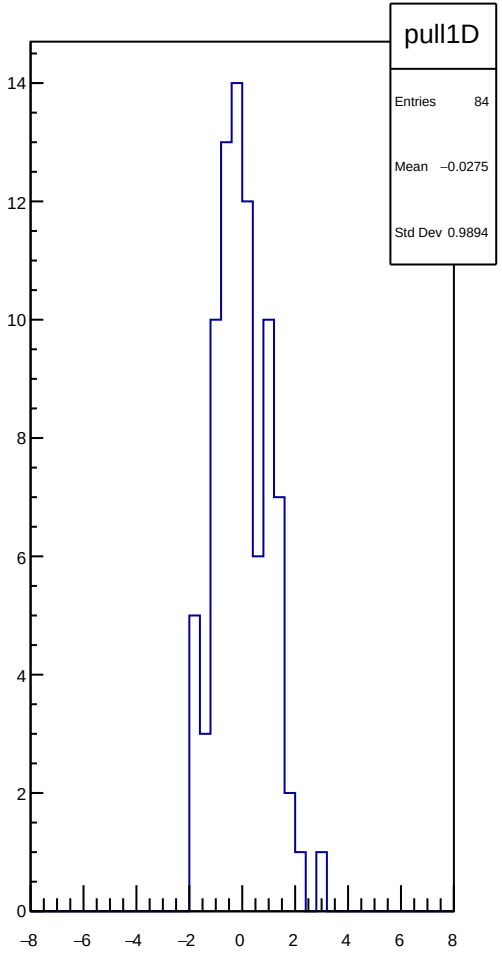

asym_atr_dd_correction_rms vs run
χ² / ndf 3726 / 83
p0 3326 ± 2.613
3800
3600
3400
3200
3000

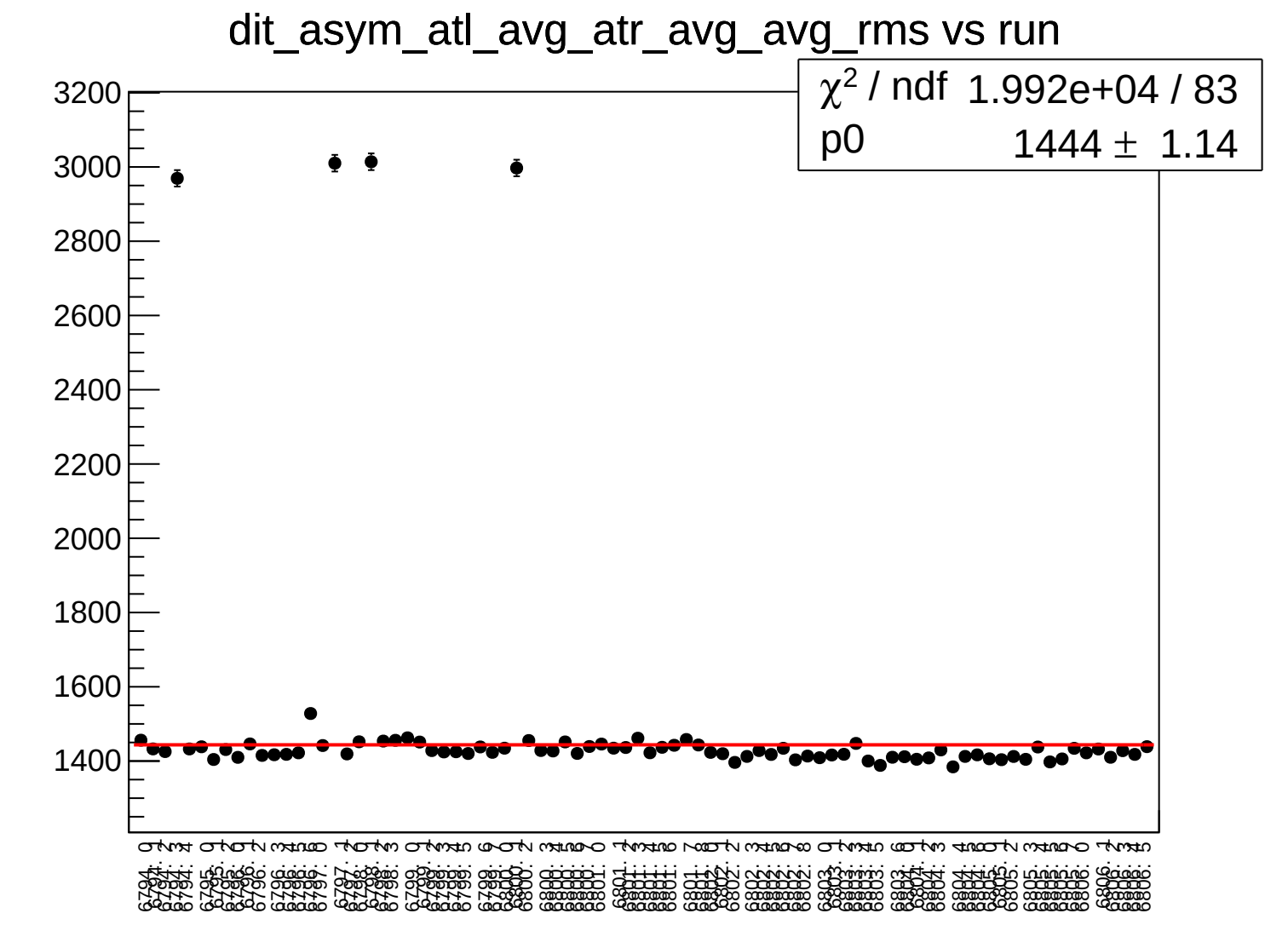

asym_atr_dd_mean vs run
×10^3
χ² / ndf 96.87 / 83
p0 −1003 ± 4320
150
100
50
0
−50
−100
−150
pull
Entries 84
Mean −236.3
Std Dev 289.6
3
2
1
0
−1
−2

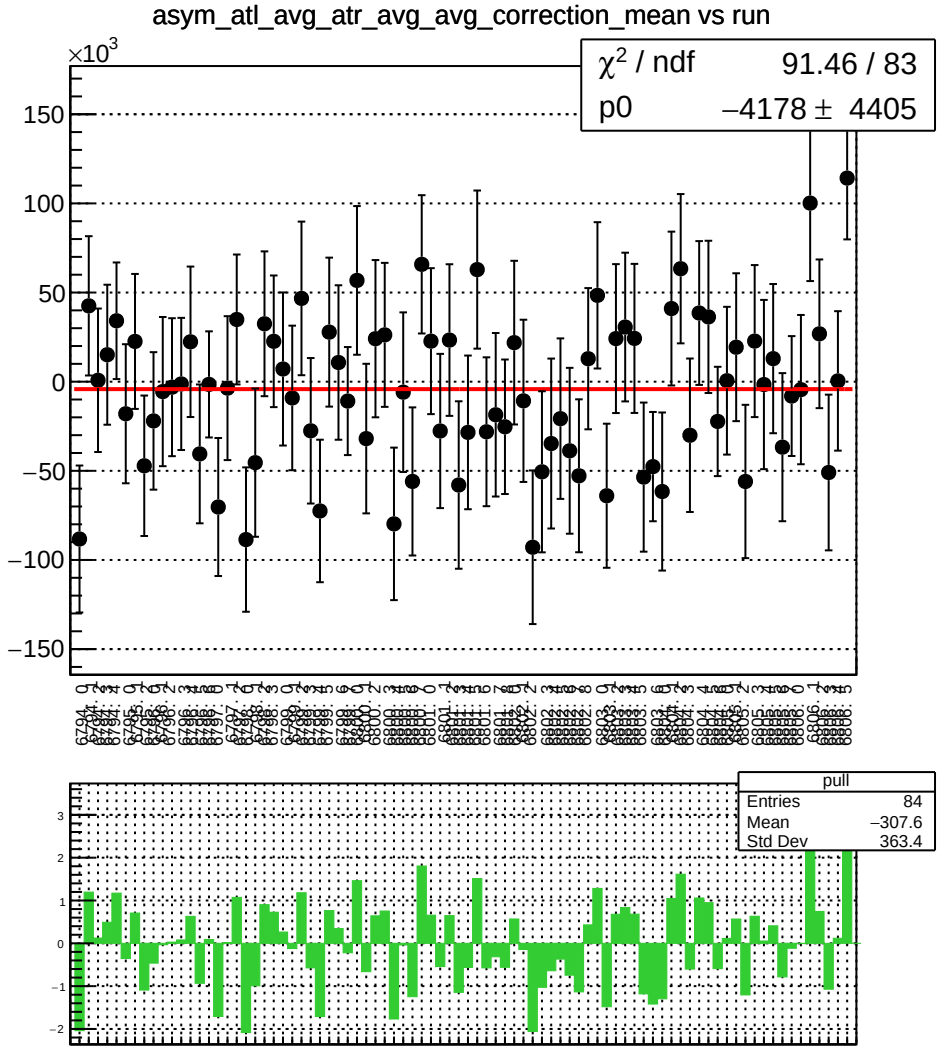

pull1D
Entries 84
Mean −0.01106
Std Dev 1.074
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

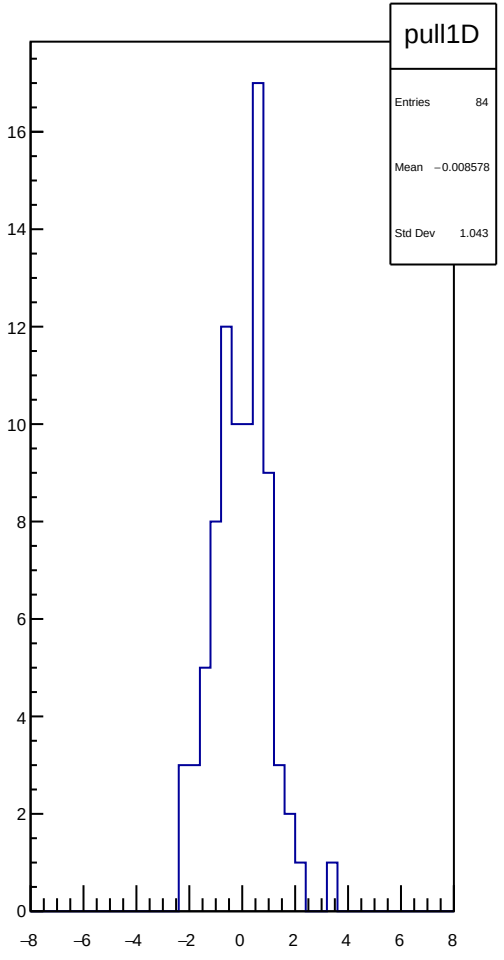

asym_atr_dd_rms vs run
χ^2 / ndf 5133 / 83
p0 3887 ± 3.055
6500
6000
5500
5000
4500
4000
3500

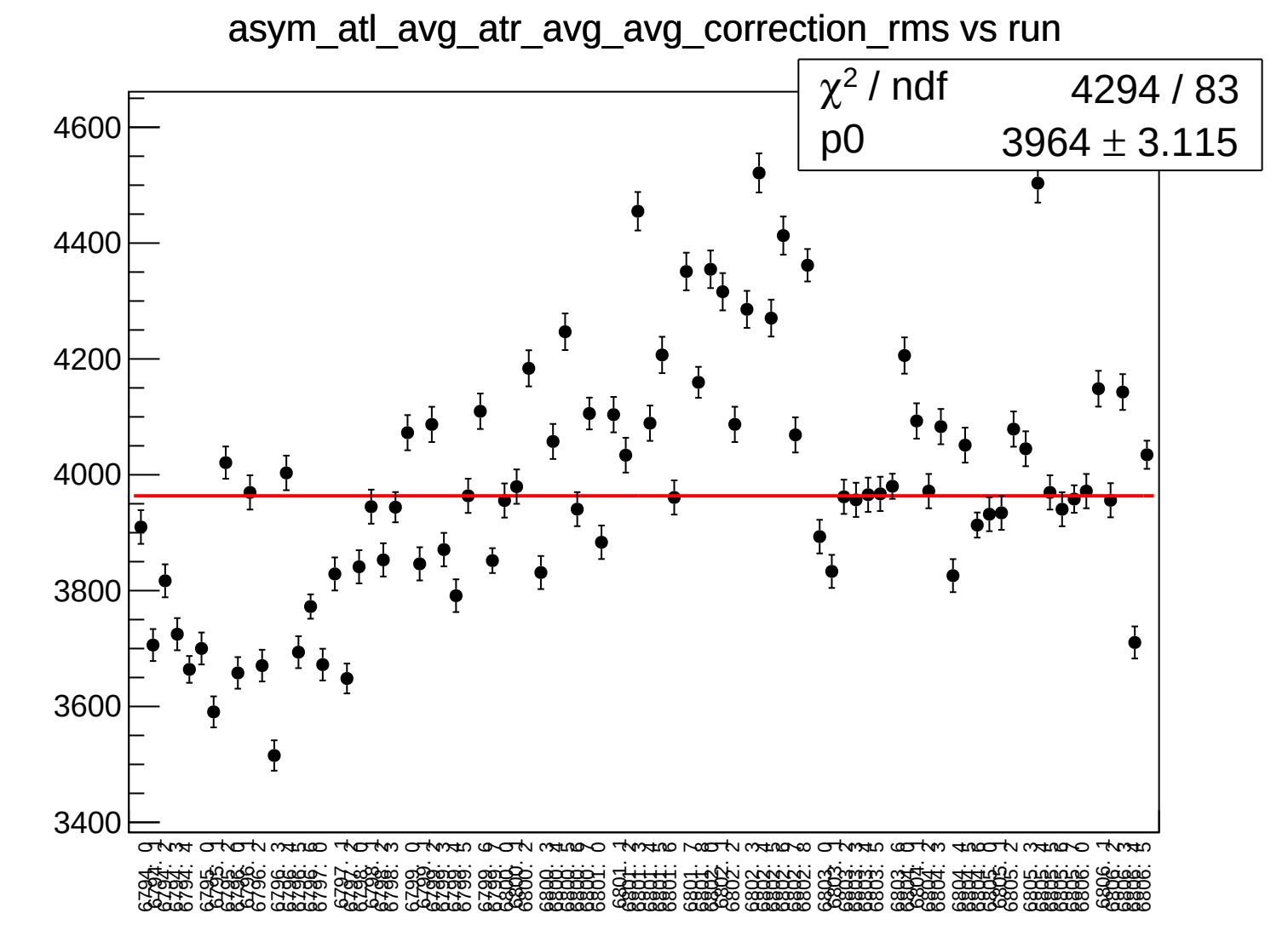

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 82.29 / 83
p0 −78.3 ± 1612
pull
Entries 84
Mean 98.42
Std Dev 39.65

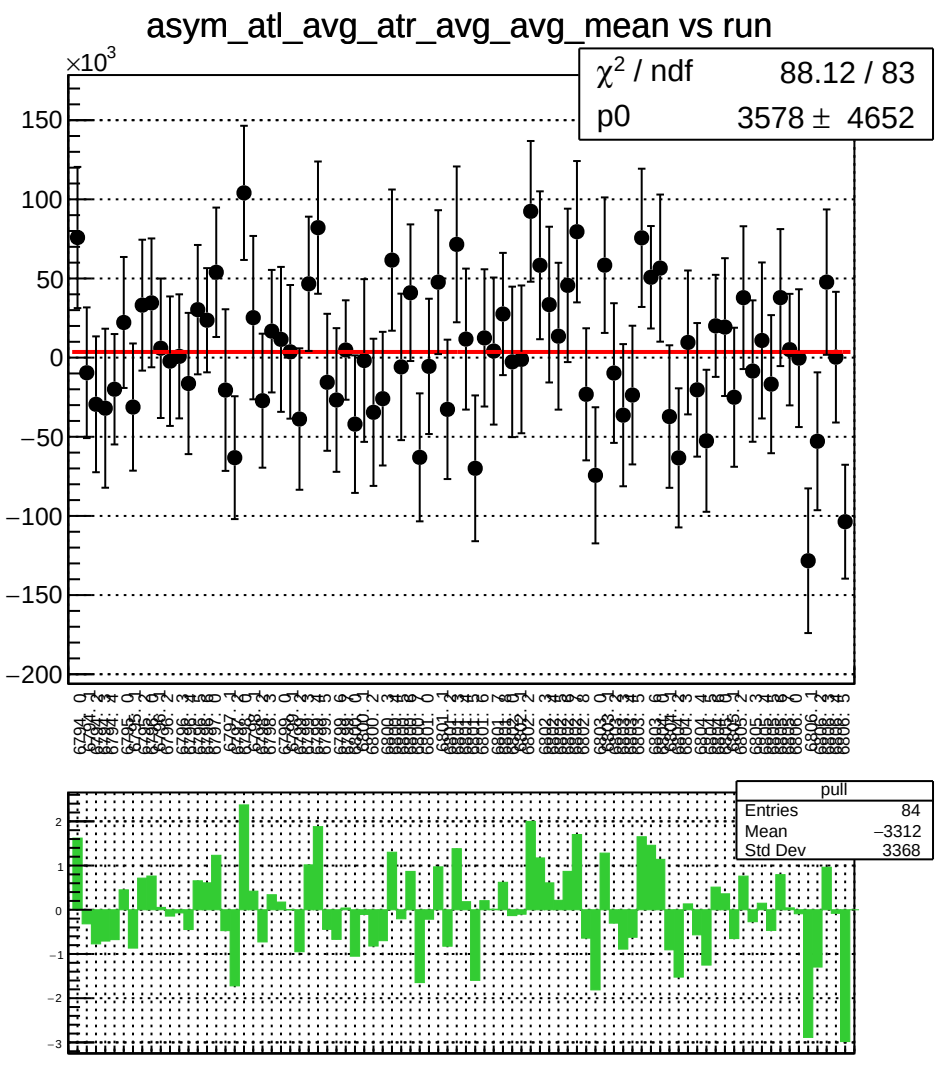

pull1D
Entries 84
Mean −0.0275
Std Dev 0.9894

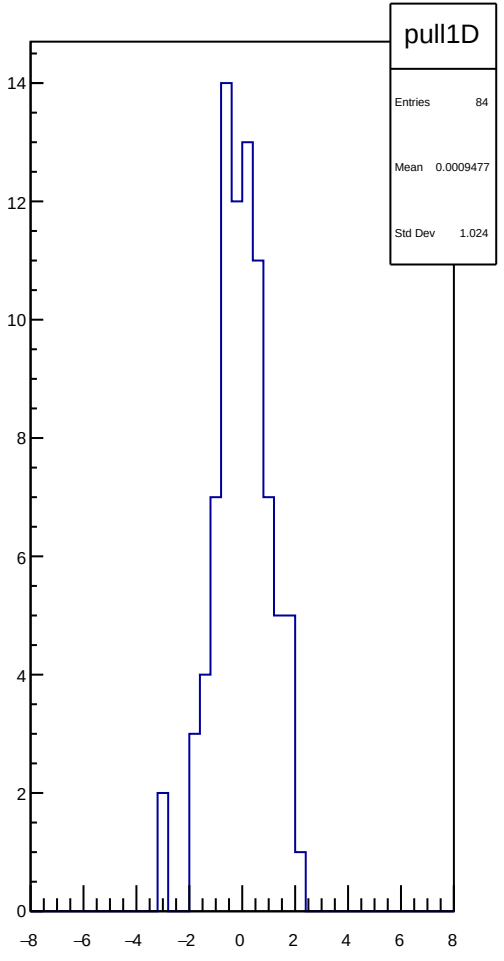

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 1.992e+04 / 83
p0 1444 ± 1.14
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400

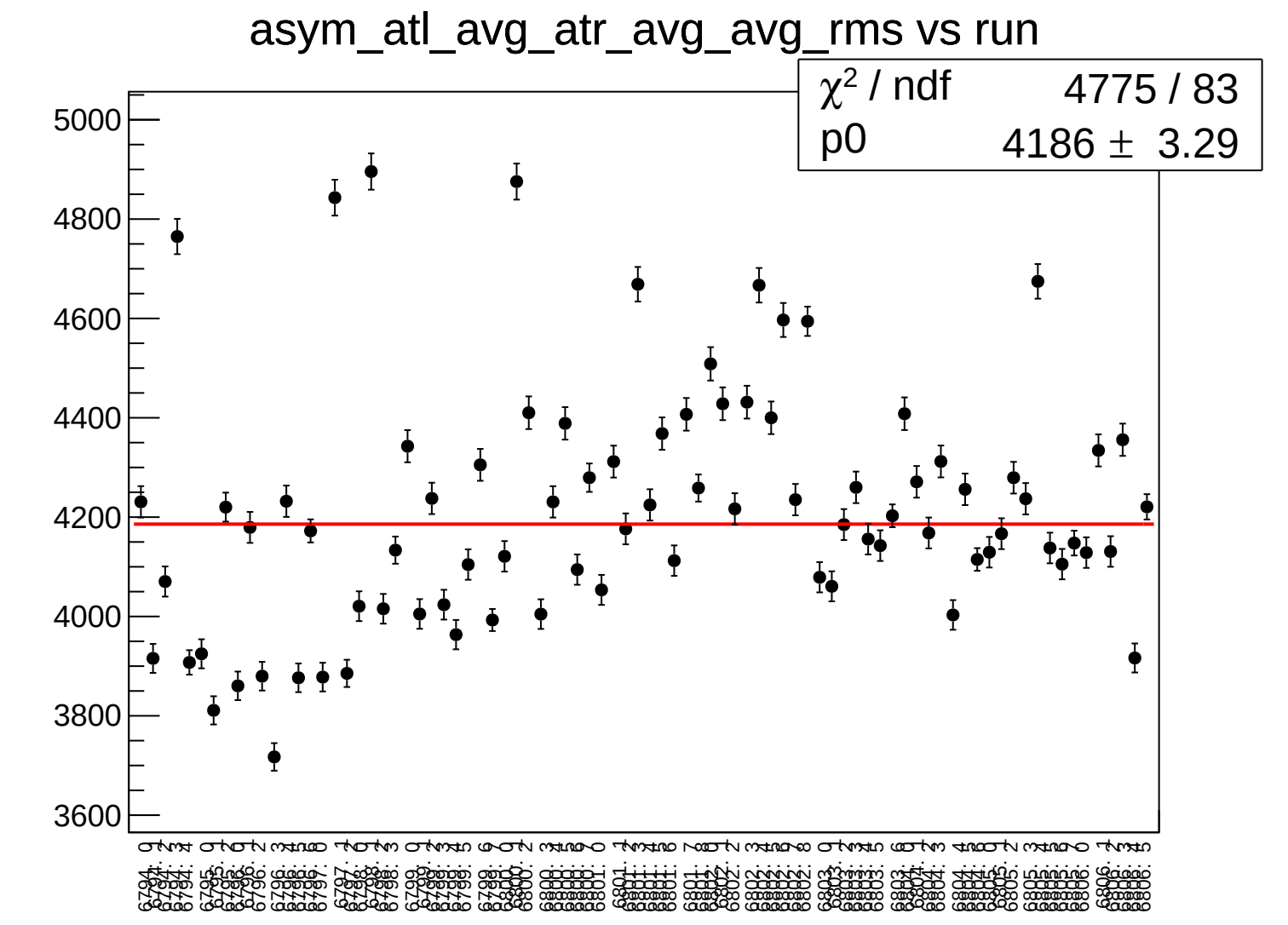

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 91.46 / 83
p0 −4178 ± 4405
150
100
50
0
−50
−100
−150
pull
Entries 84
Mean −307.6
Std Dev 363.4
3
2
1
0
−1
−2

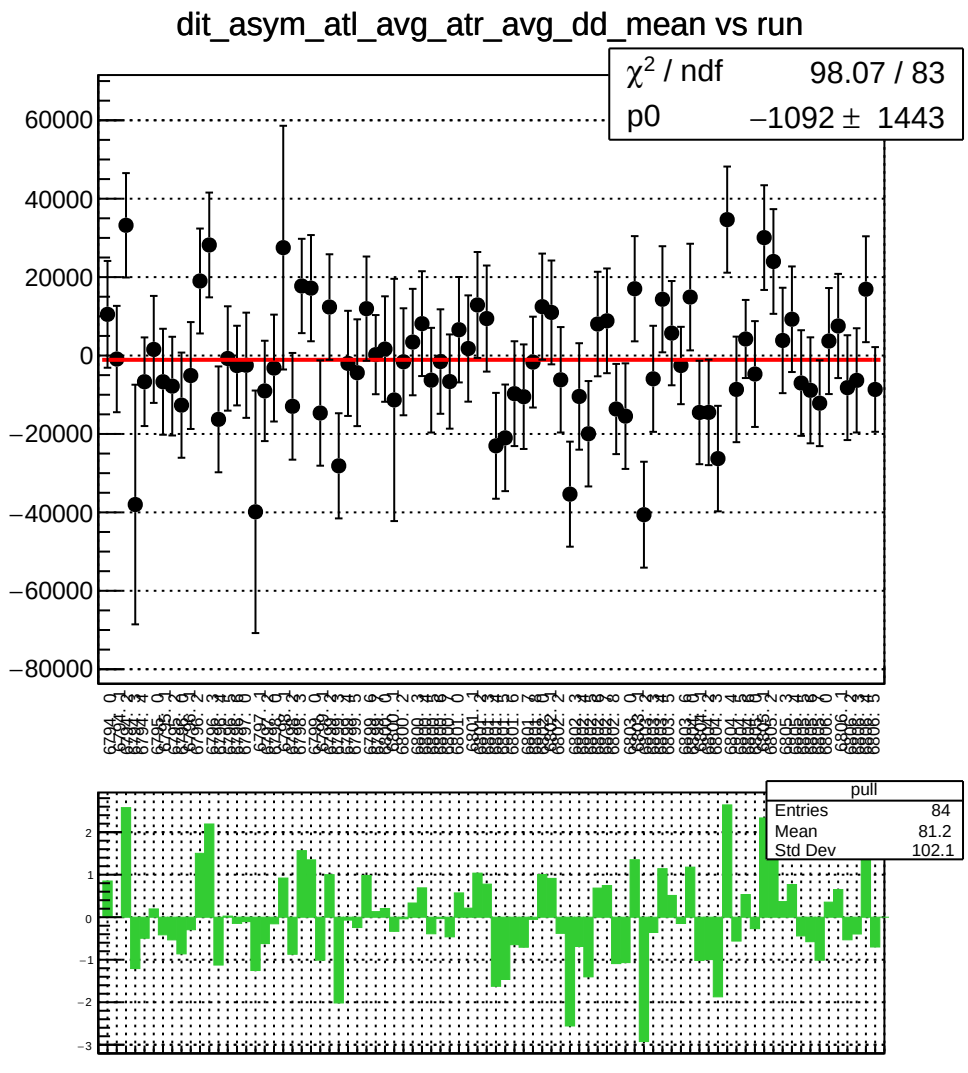

pull1D
Entries 84
Mean −0.008578
Std Dev 1.043
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

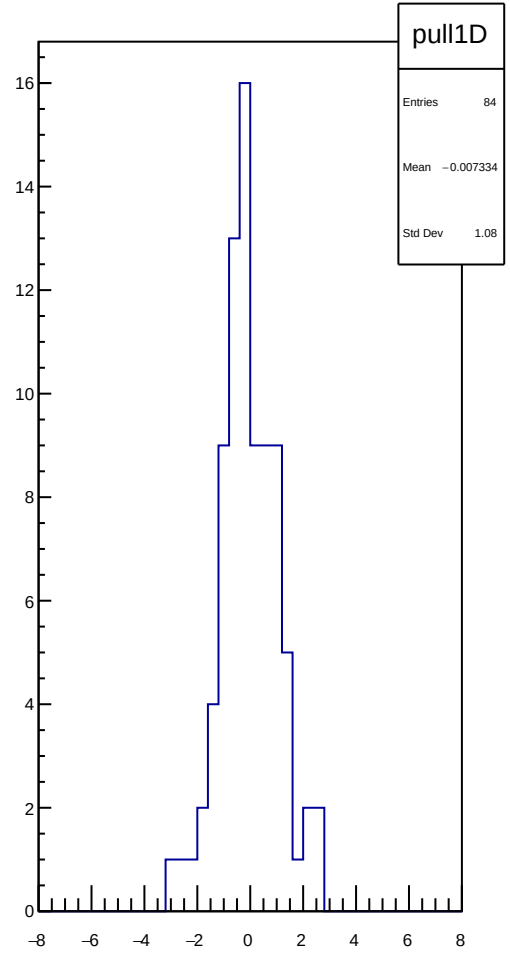

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 4294 / 83
p0 3964 ± 3.115
4600
4400
4200
4000
3800
3600
3400

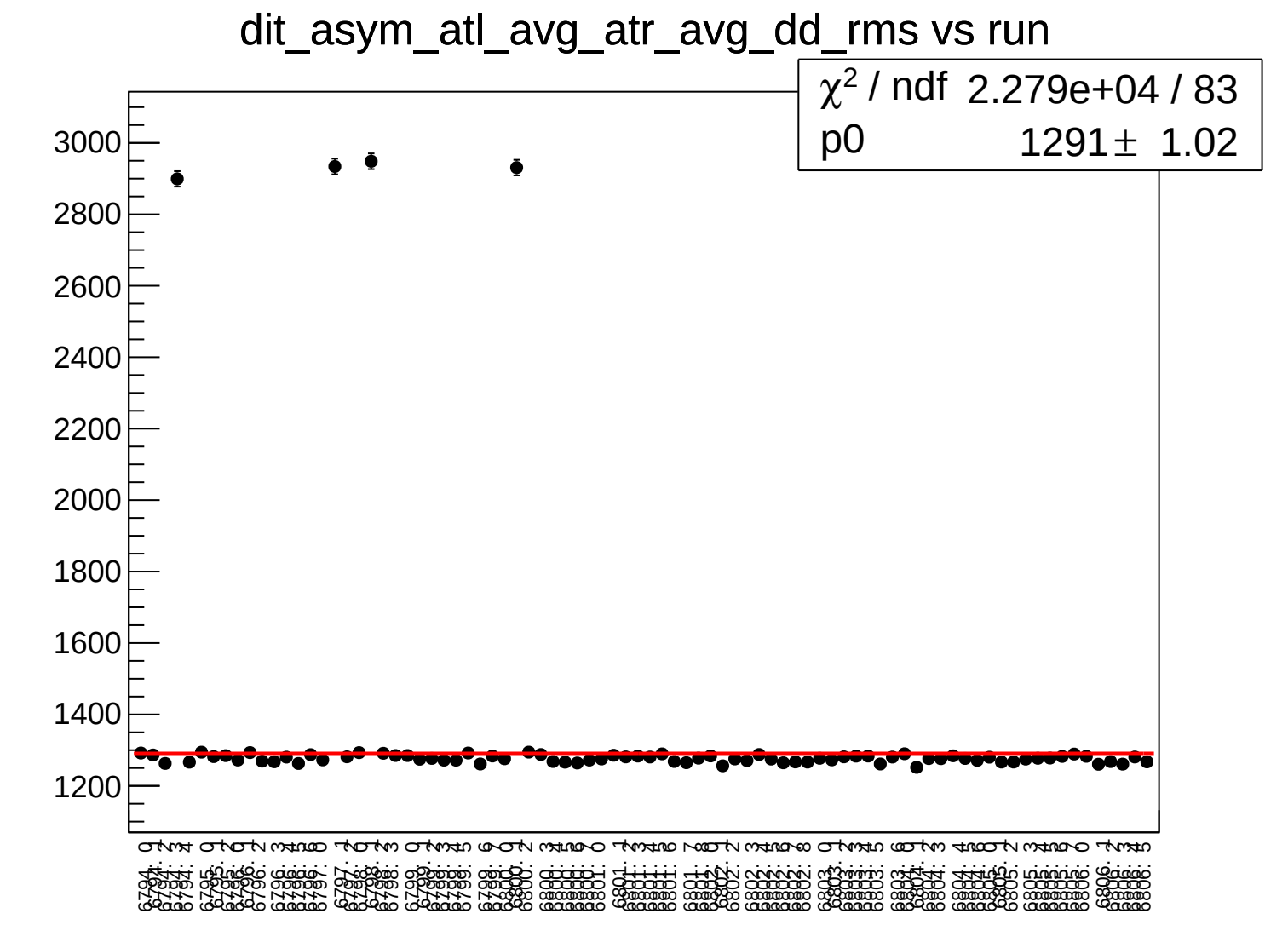

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 88.12 / 83
p0 3578 ± 4652
150
100
50
0
−50
−100
−150
−200
pull
Entries 84
Mean −3312
Std Dev 3368
2
1
0
−1
−2
−3

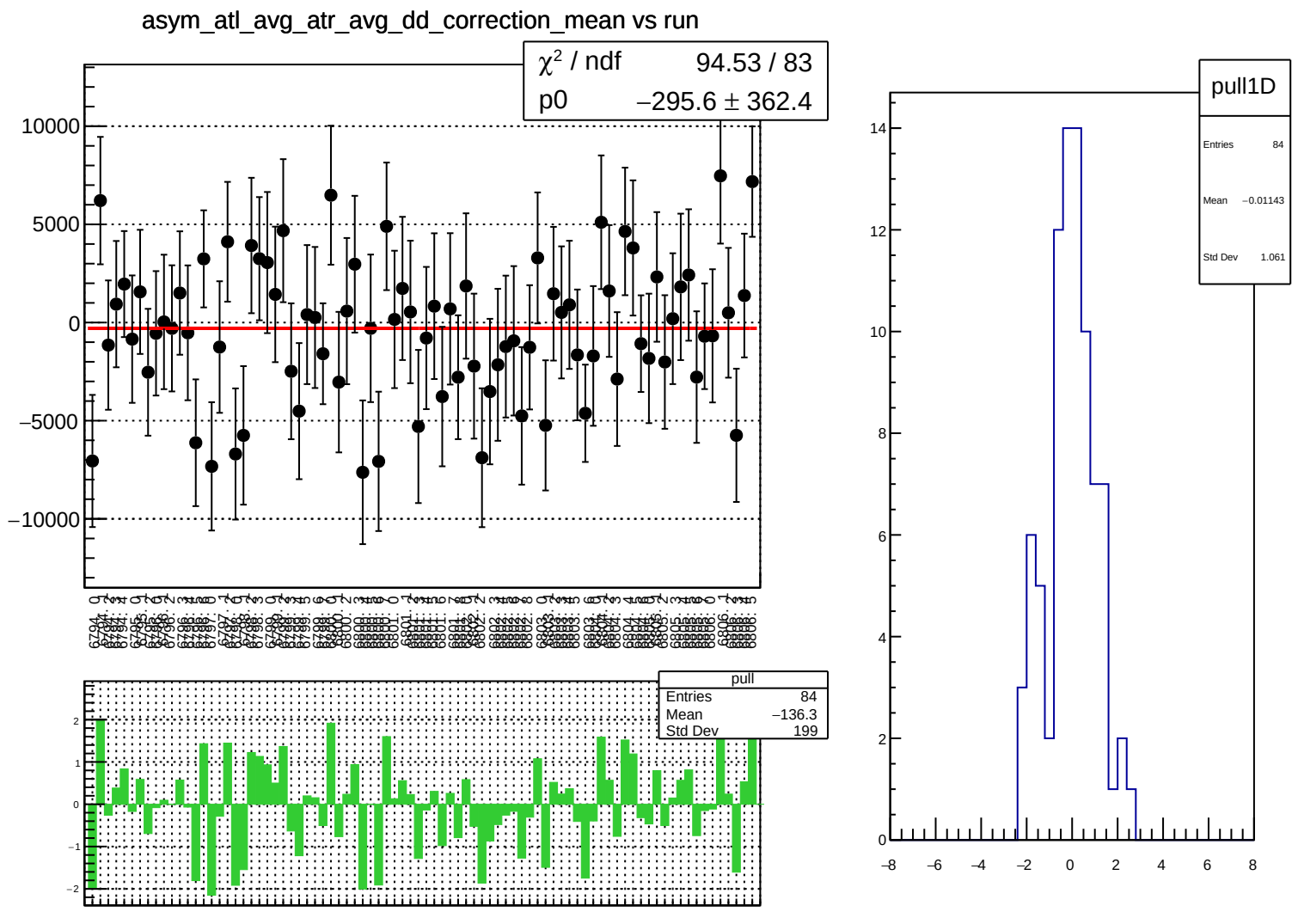

pull1D
Entries 84
Mean 0.0009477
Std Dev 1.024
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

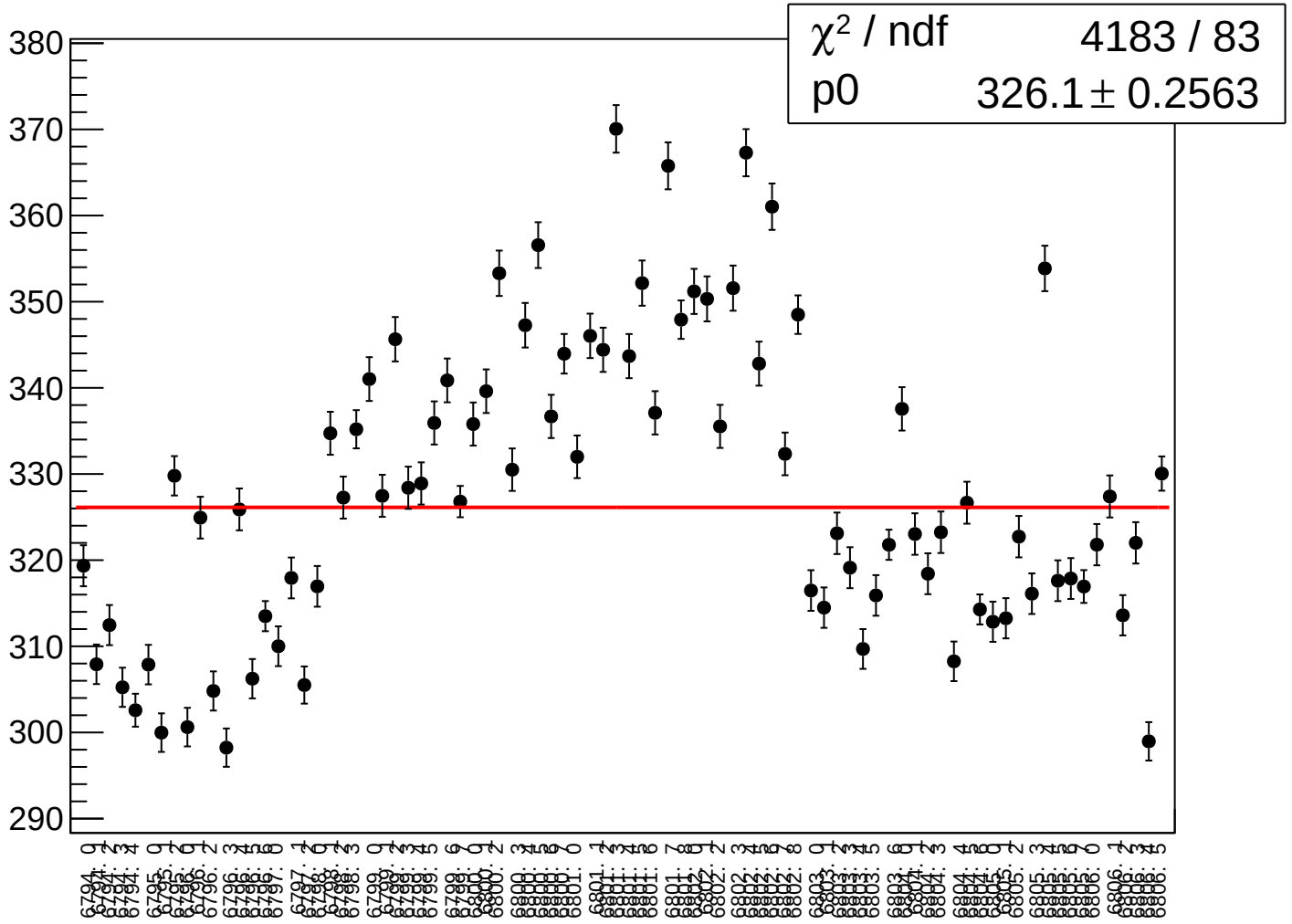

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 4775 / 83
p0 4186 ± 3.29
5000
4800
4600
4400
4200
4000
3800
3600

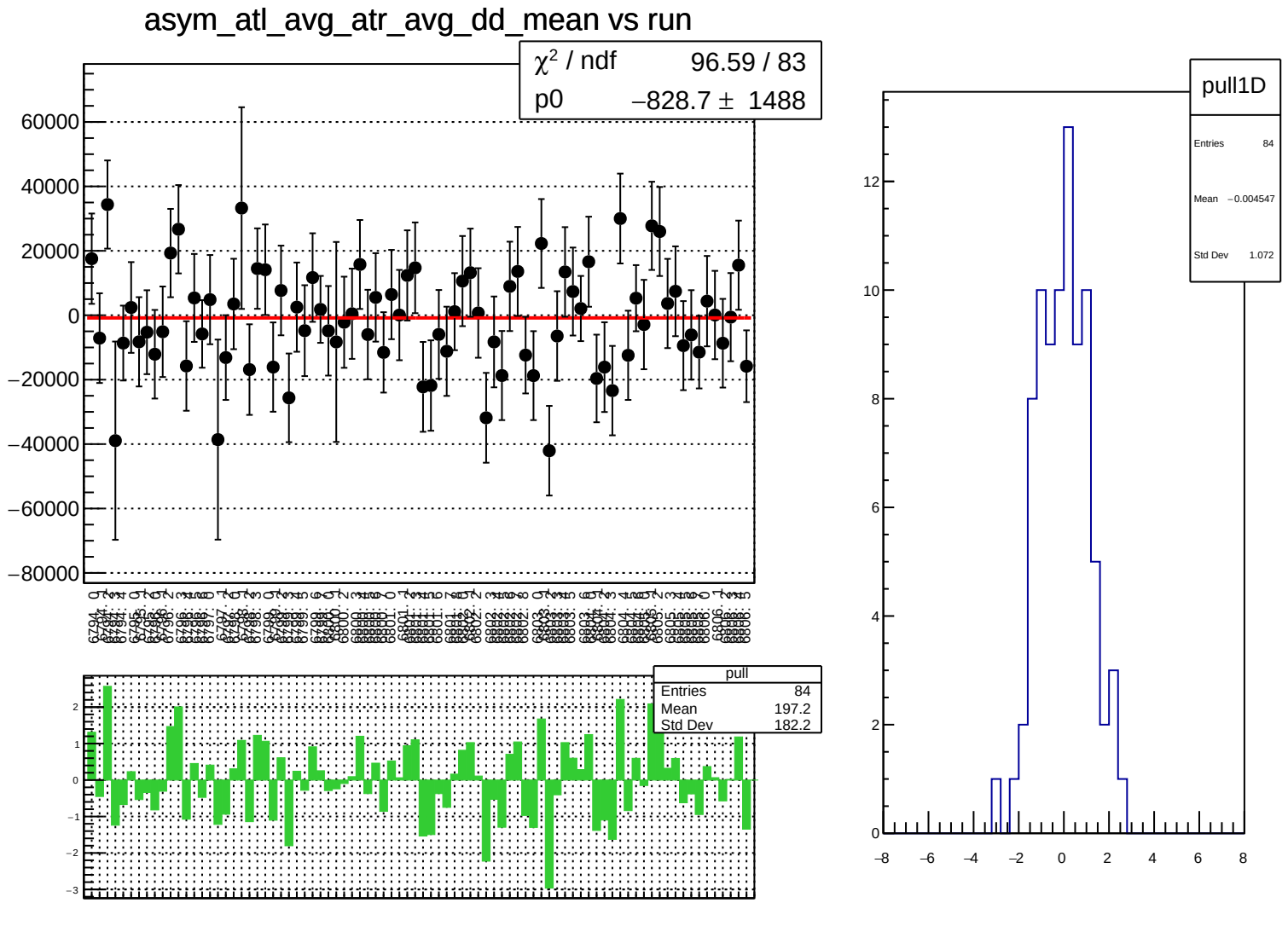

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 98.07 / 83
p0 −1092 ± 1443
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 84
Mean 81.2
Std Dev 102.1
2
1
0
−1
−2
−3

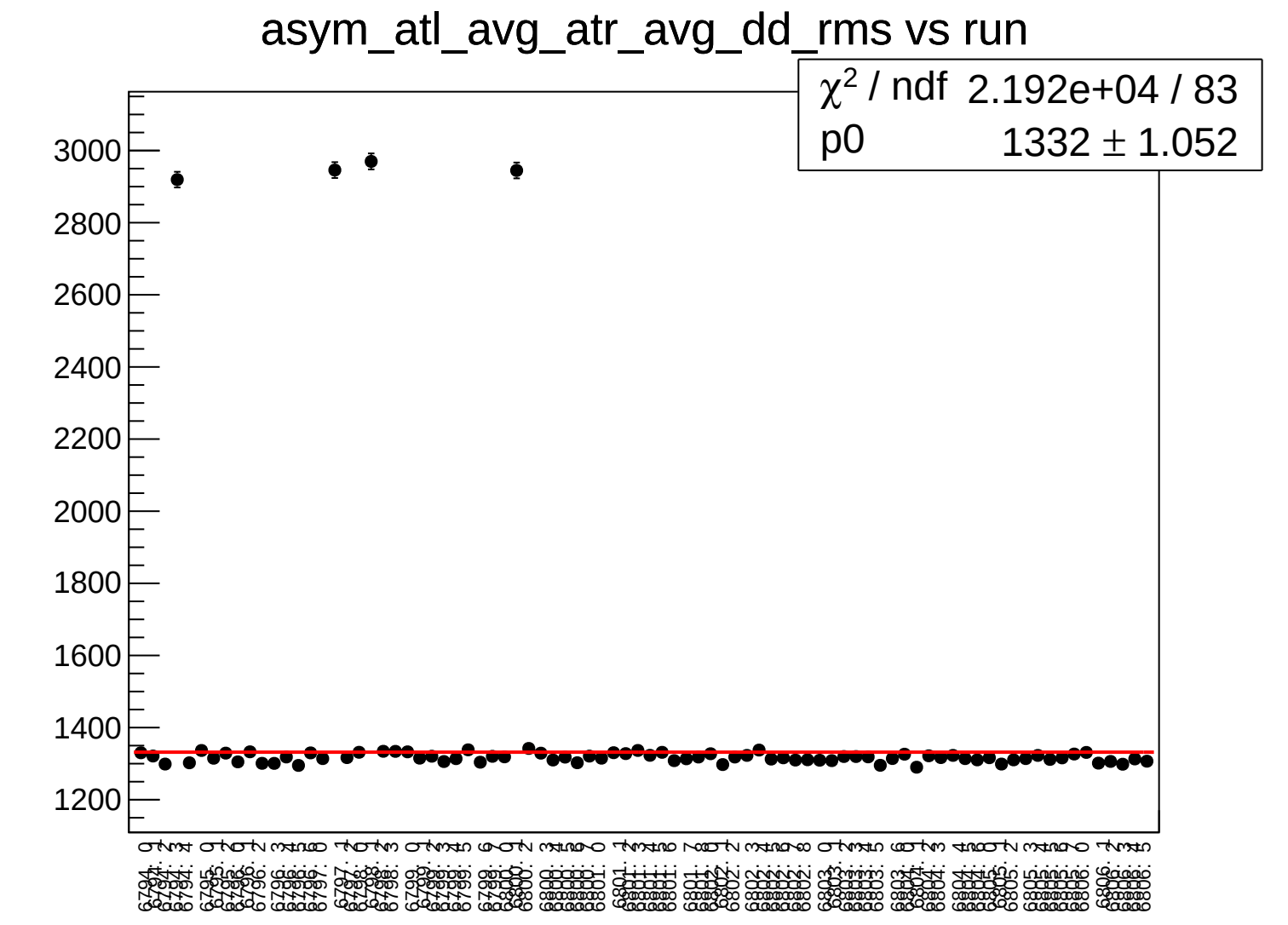

pull1D
Entries 84
Mean −0.007334
Std Dev 1.08
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

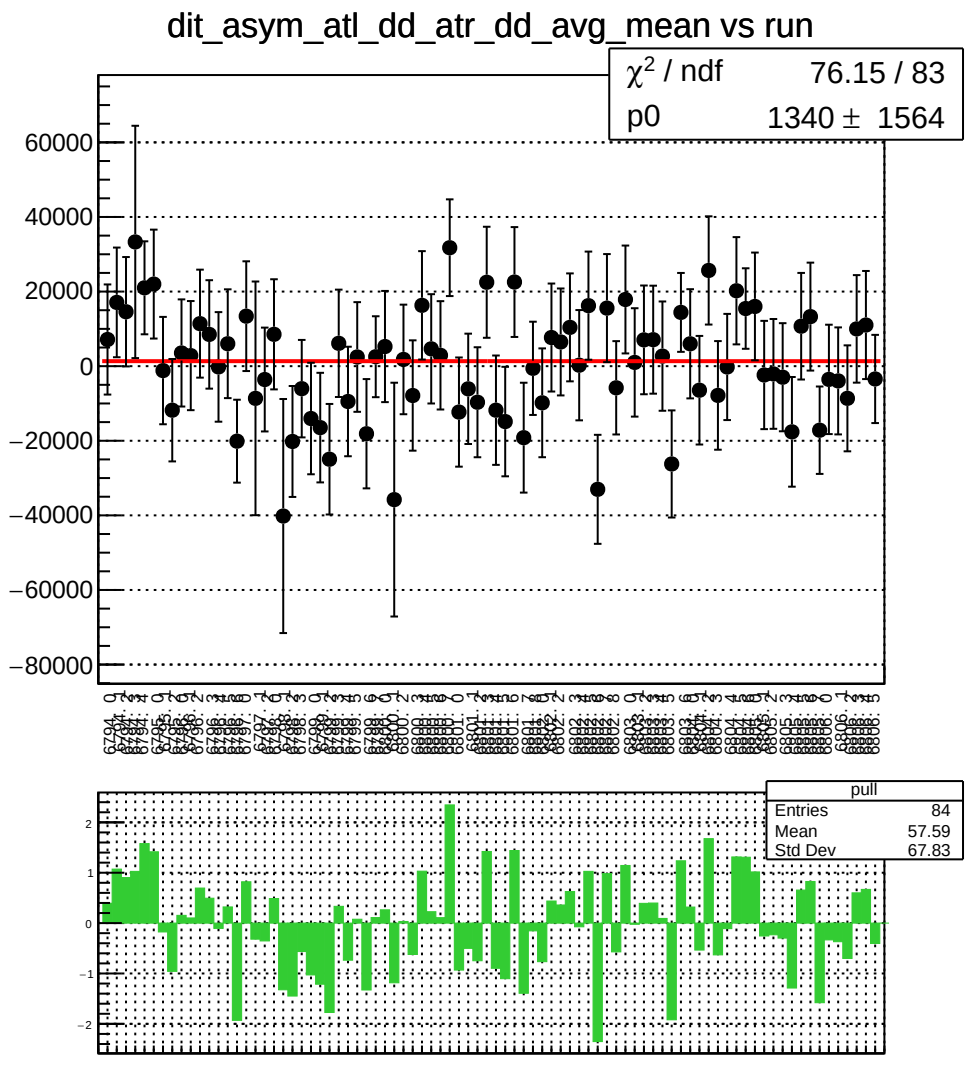

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 2.279e+04 / 83
p0 1291 ± 1.02
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

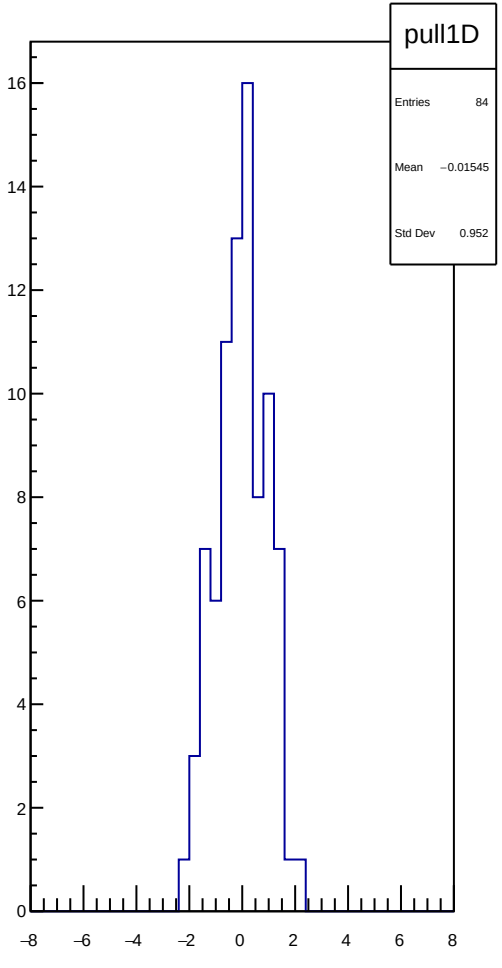

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 94.53 / 83
p0 −295.6 ± 362.4
10000
5000
0
−5000
−10000
pull
Entries 84
Mean −136.3
Std Dev 199
pull1D
Entries 84
Mean −0.01143
Std Dev 1.061

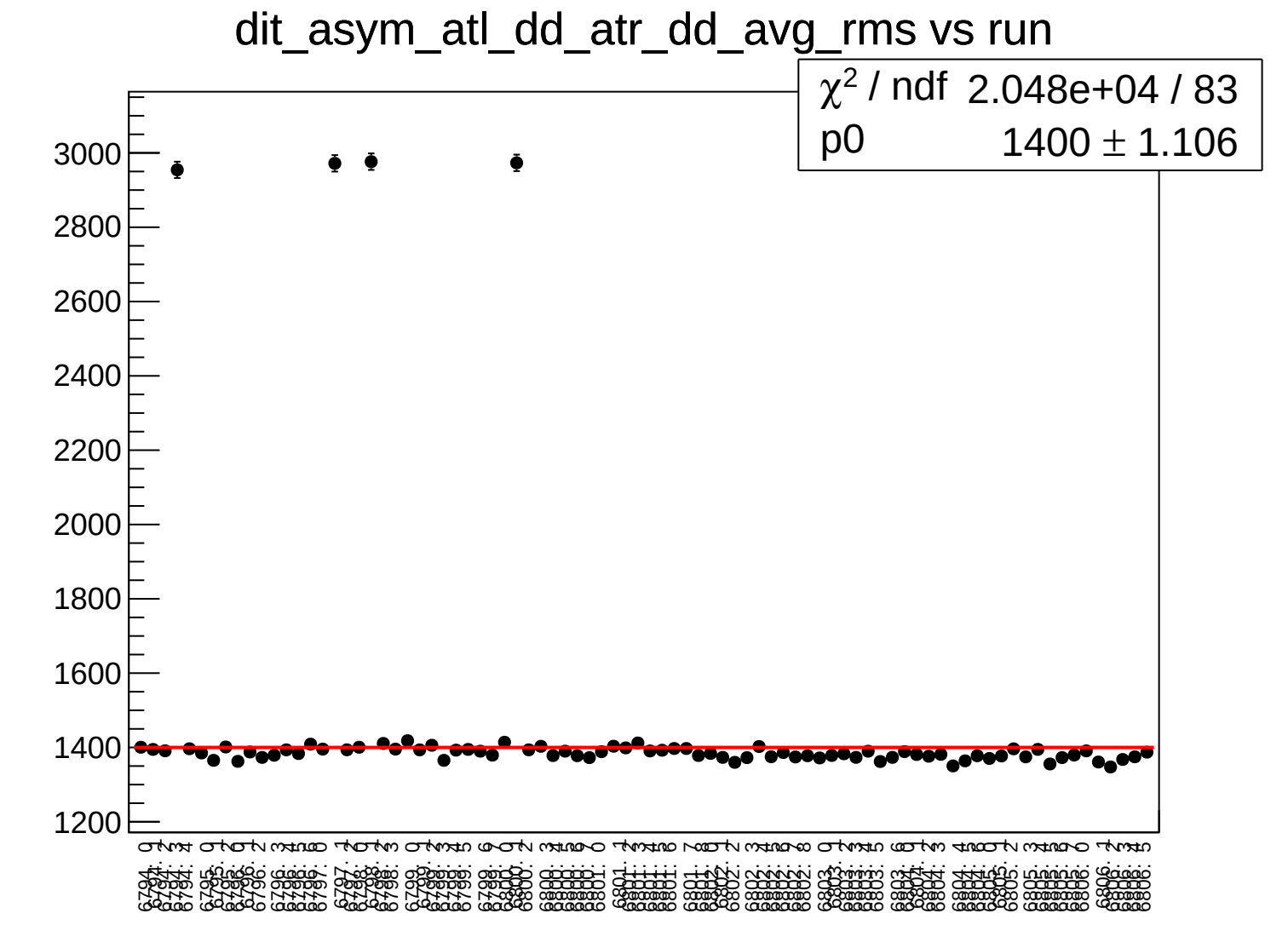

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 4183 / 83
p0 326.1 ± 0.2563
380
370
360
350
340
330
320
310
300
290

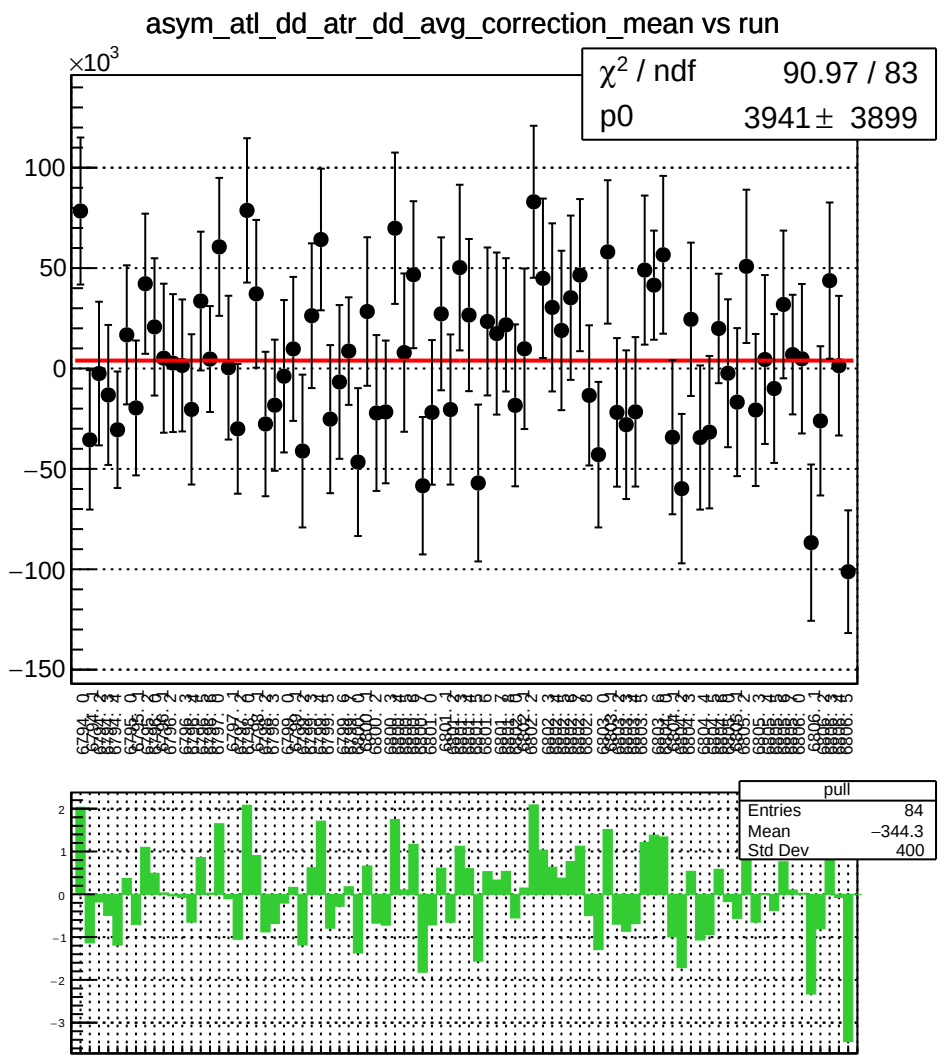

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 96.59 / 83
p0 −828.7 ± 1488
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 84
Mean 197.2
Std Dev 182.2
2
1
0
−1
−2
−3
pull1D
Entries 84
Mean −0.004547
Std Dev 1.072
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

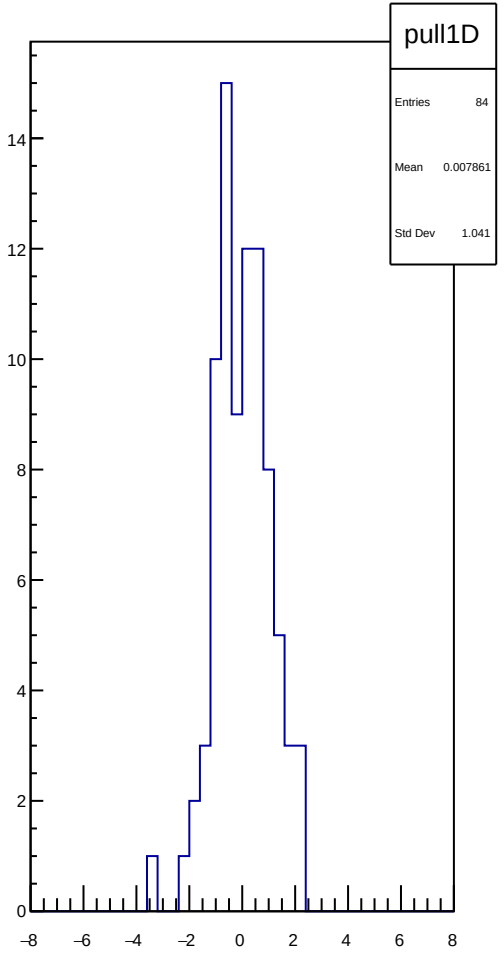

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 2.192e+04 / 83
p0 1332 ± 1.052
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

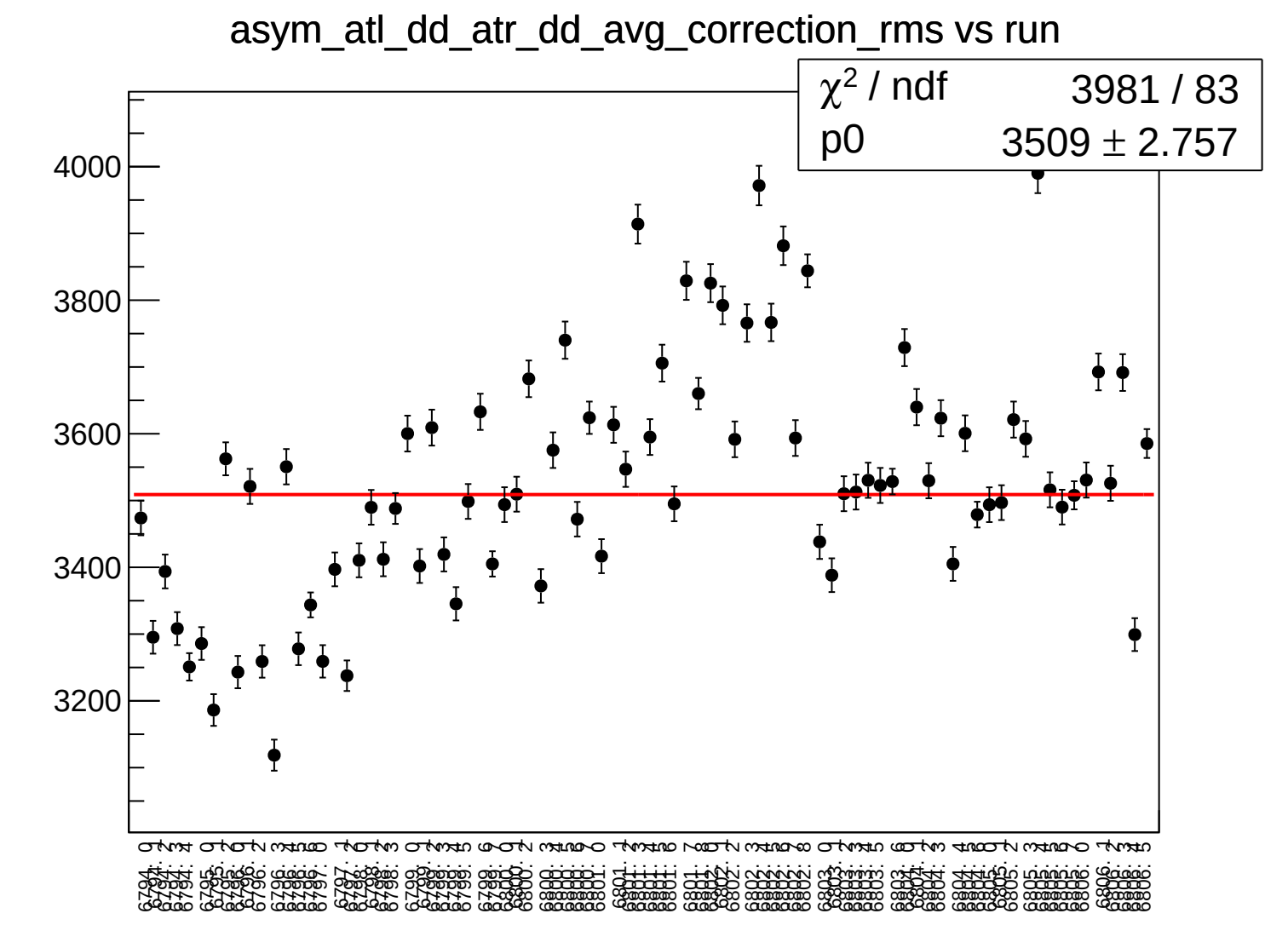

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 76.15 / 83
p0 1340 ± 1564
pull
Entries 84
Mean 57.59
Std Dev 67.83

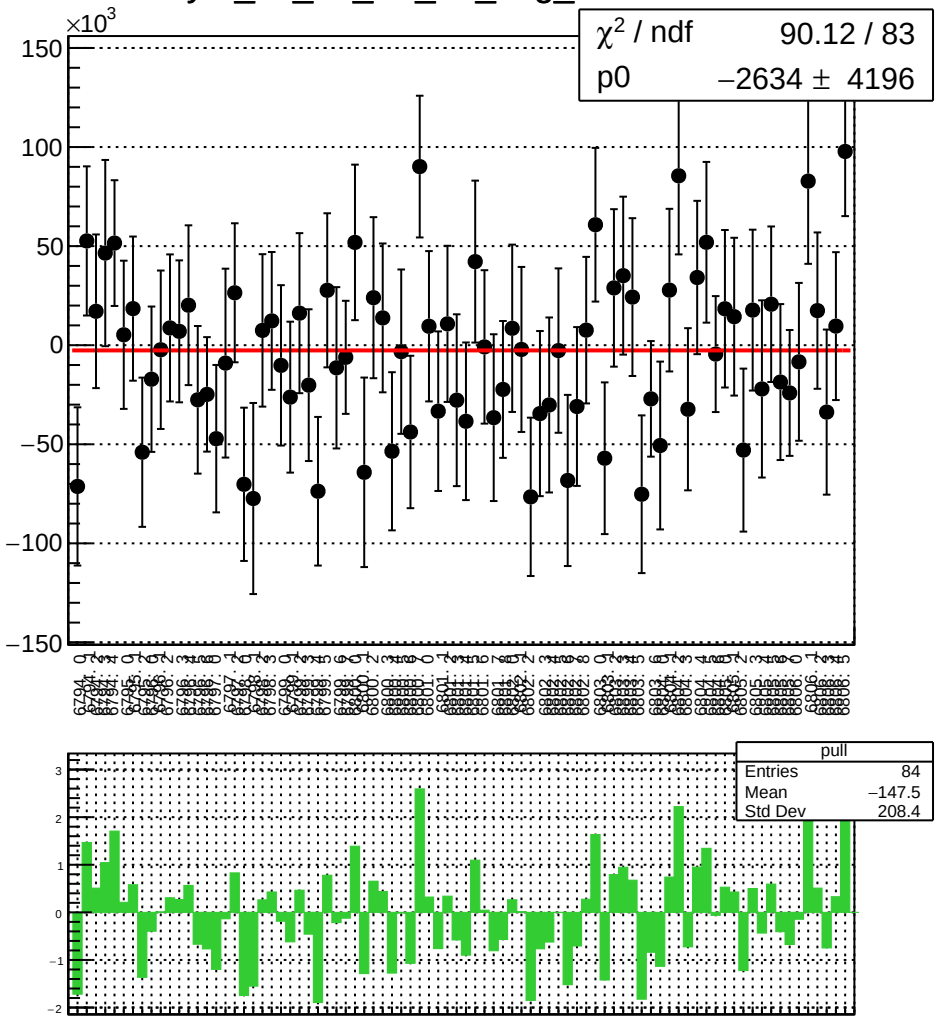

pull1D
Entries 84
Mean −0.01545
Std Dev 0.952

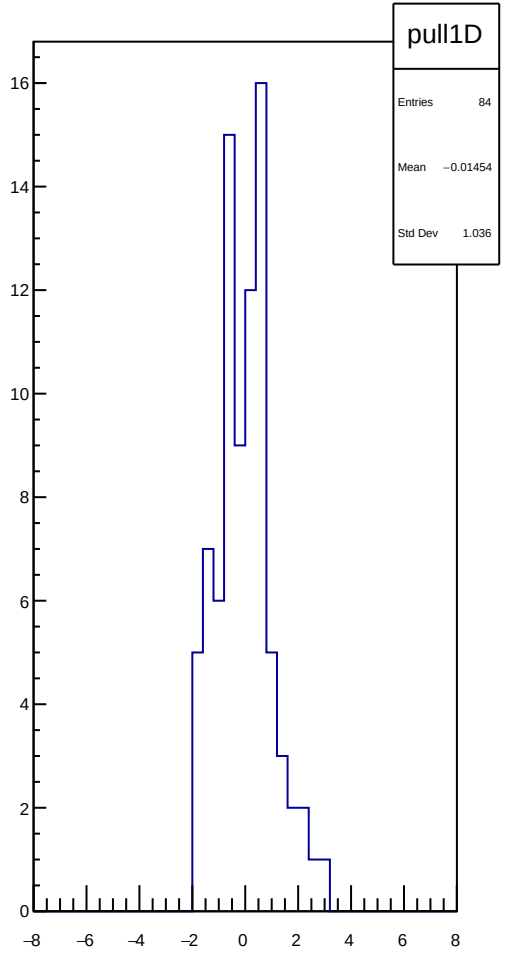

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 2.048e+04 / 83
p0 1400 ± 1.106
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

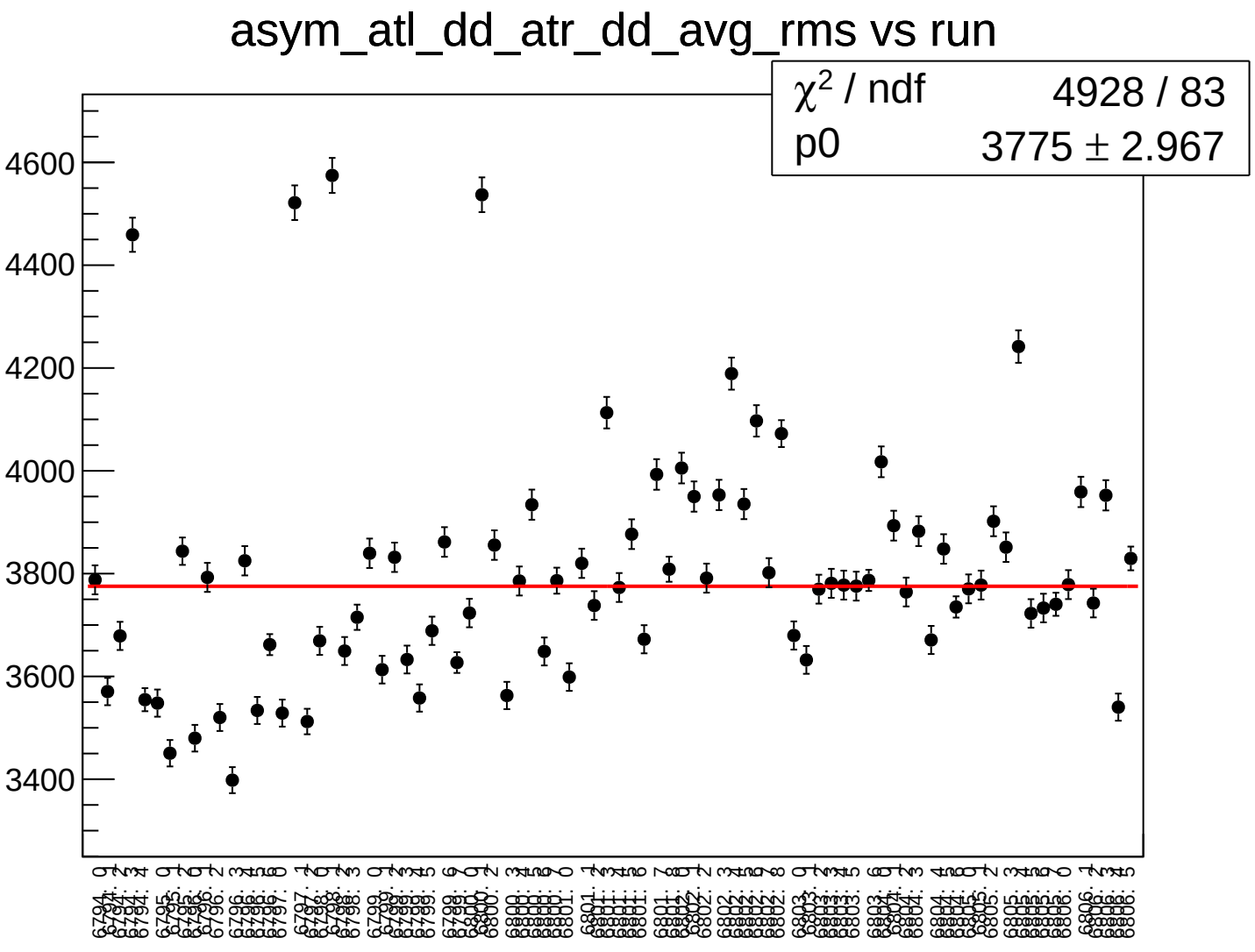

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ^2 / ndf 90.97 / 83
p0 3941 ± 3899
100
50
0
−50
−100
−150
pull
Entries 84
Mean −344.3
Std Dev 400
2
1
0
−1
−2
−3

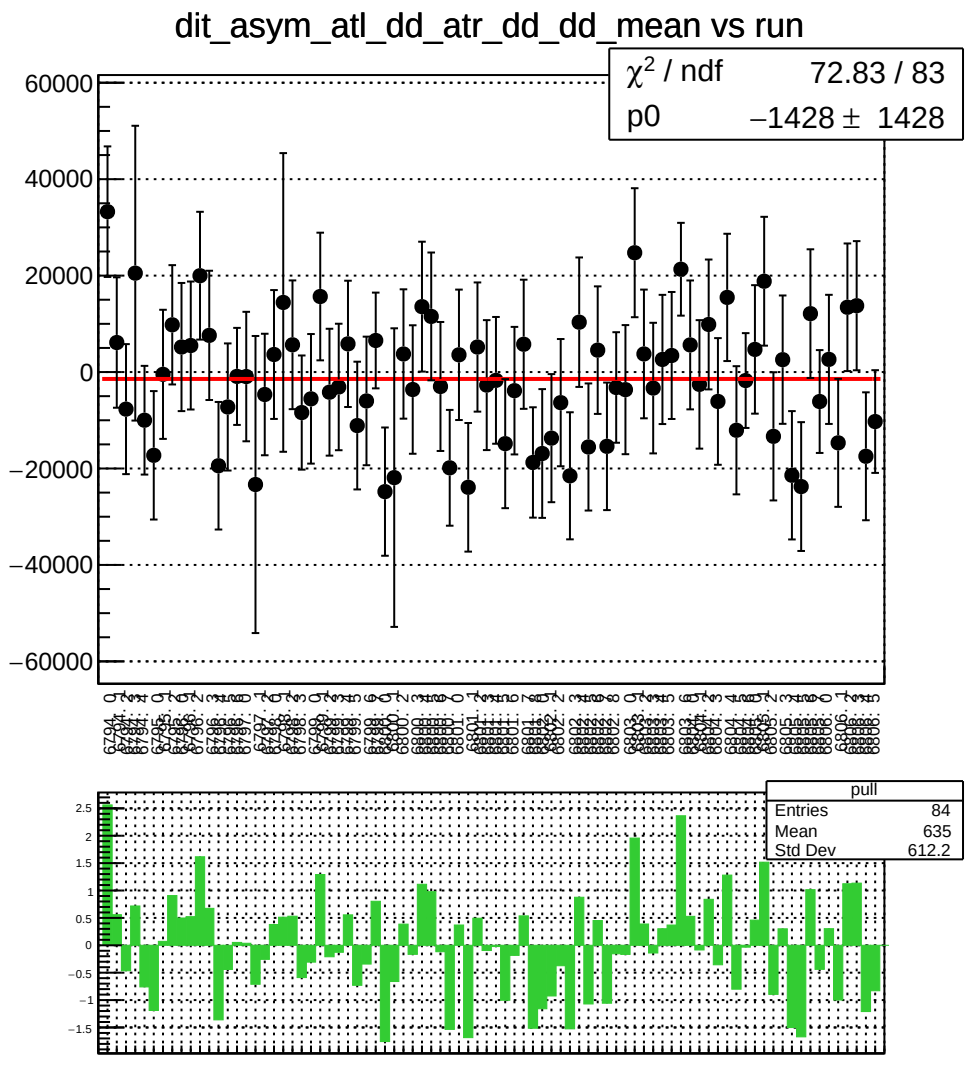

pull1D
Entries 84
Mean 0.007861
Std Dev 1.041
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

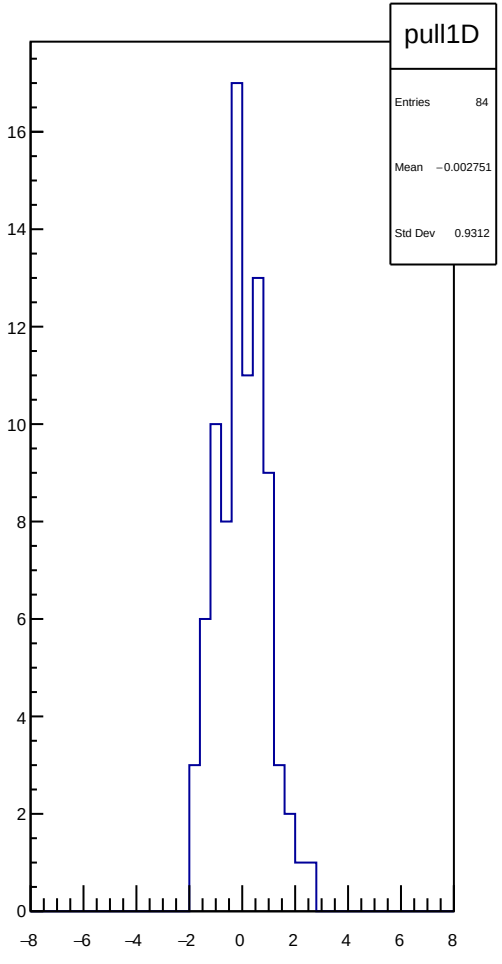

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 3981 / 83
p0 3509 ± 2.757
4000
3800
3600
3400
3200

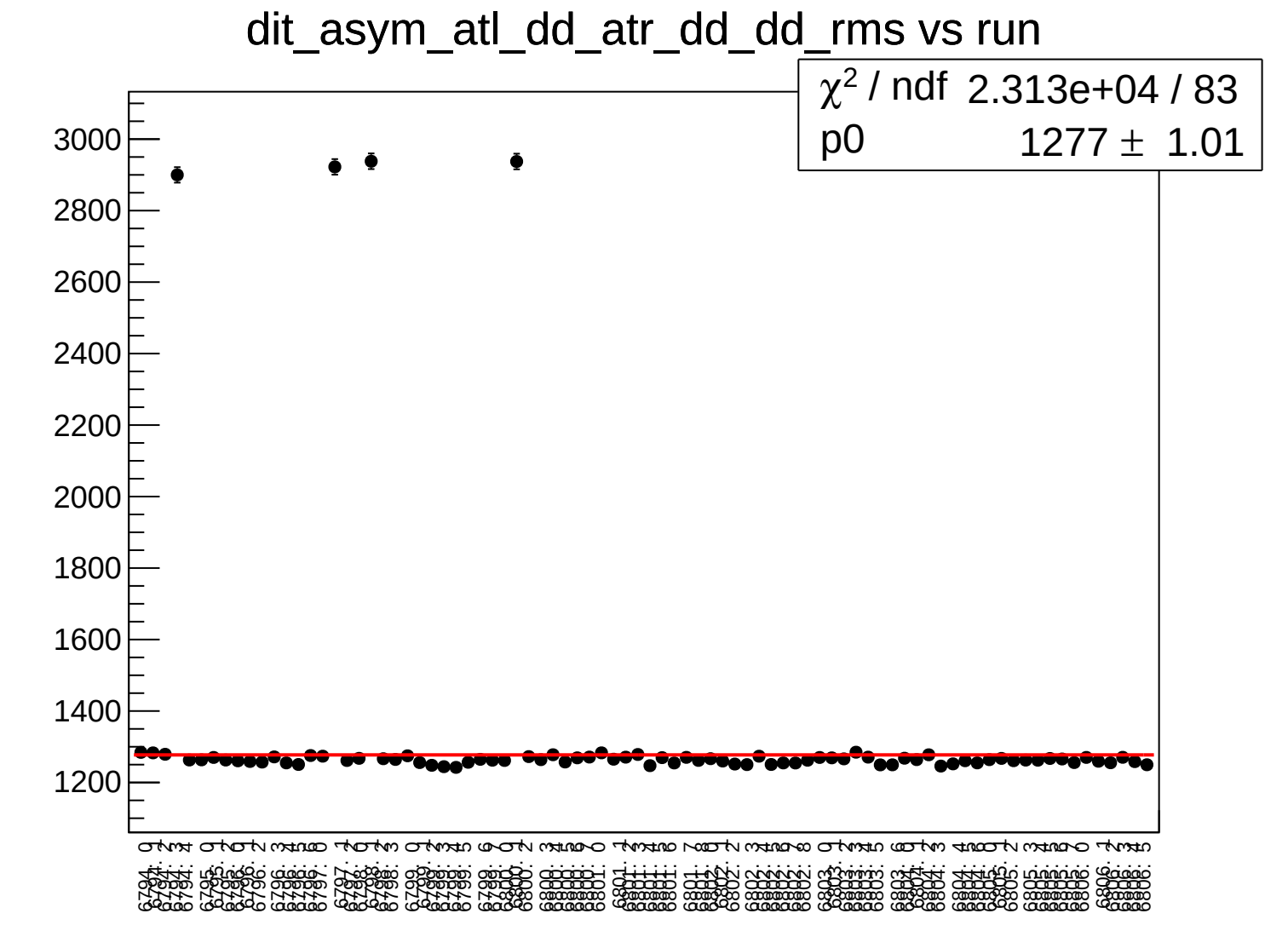

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 90.12 / 83
p0 −2634 ± 4196
150
100
50
0
−50
−100
−150
pull
Entries 84
Mean −147.5
Std Dev 208.4
3
2
1
0
−1
−2

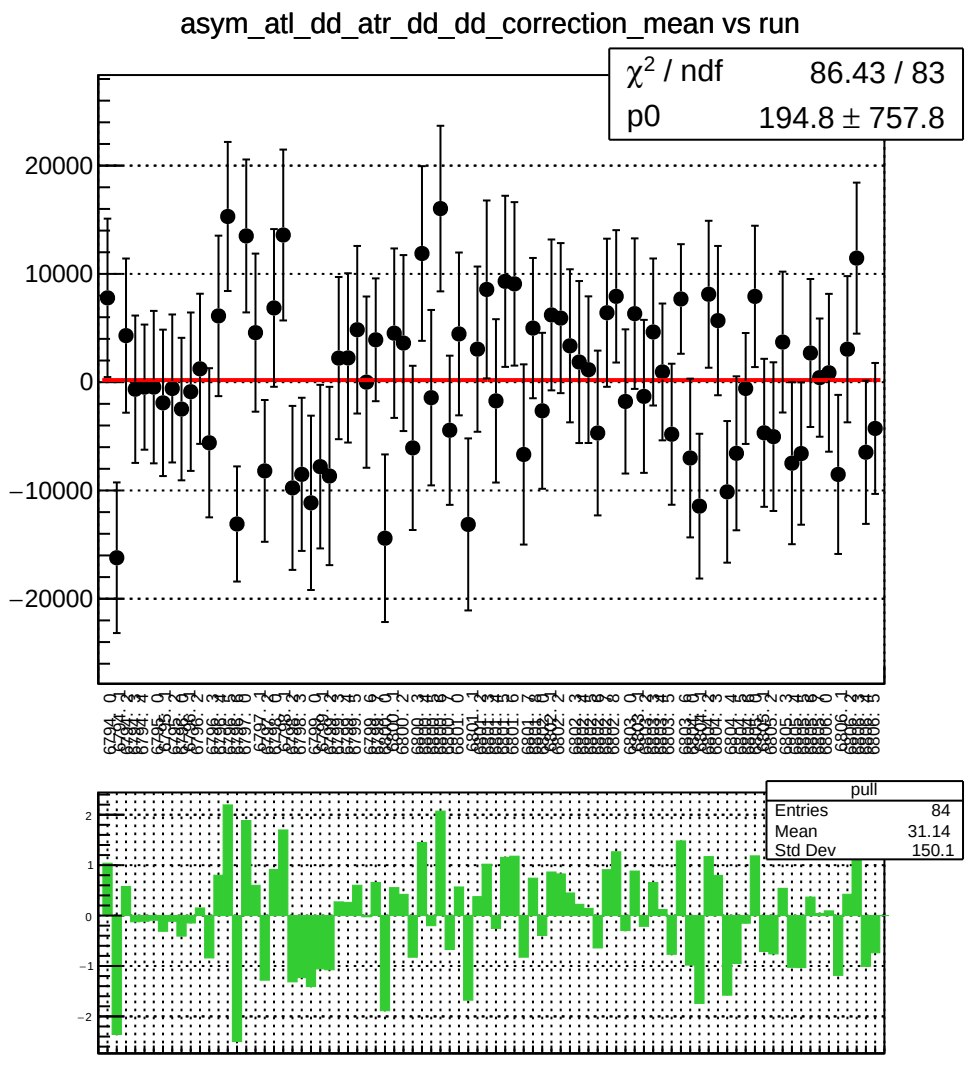

pull1D
Entries 84
Mean −0.01454
Std Dev 1.036
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

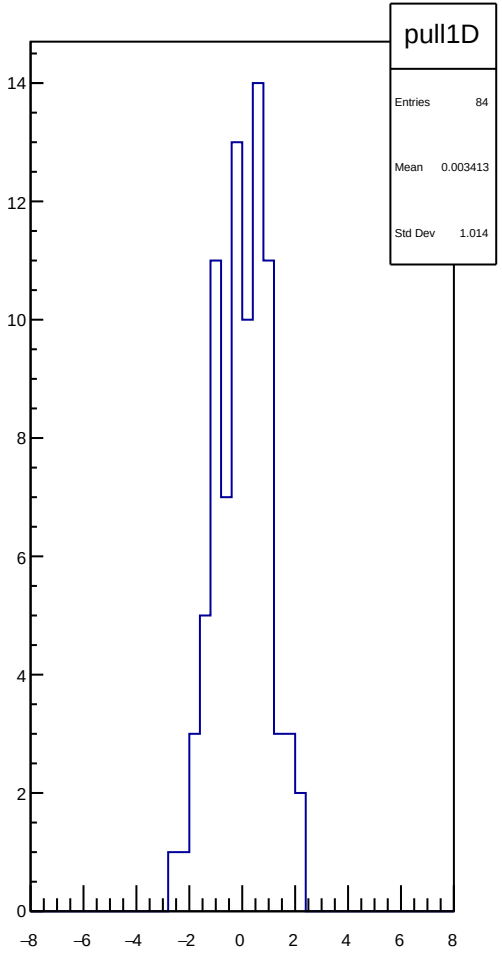

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 4928 / 83
p0 3775 ± 2.967
4600
4400
4200
4000
3800
3600
3400

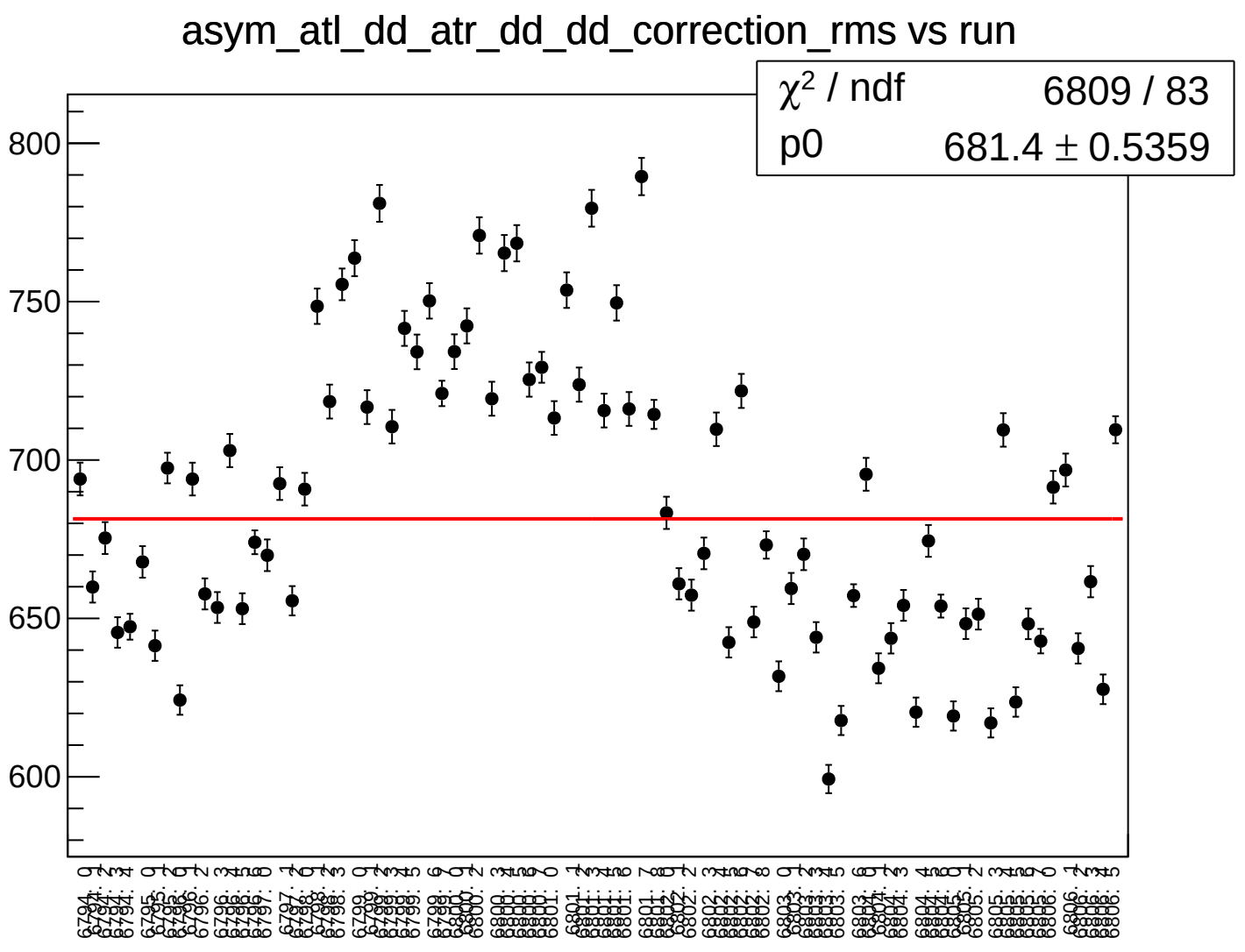

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 72.83 / 83
p0 −1428 ± 1428
pull
Entries 84
Mean 635
Std Dev 612.2

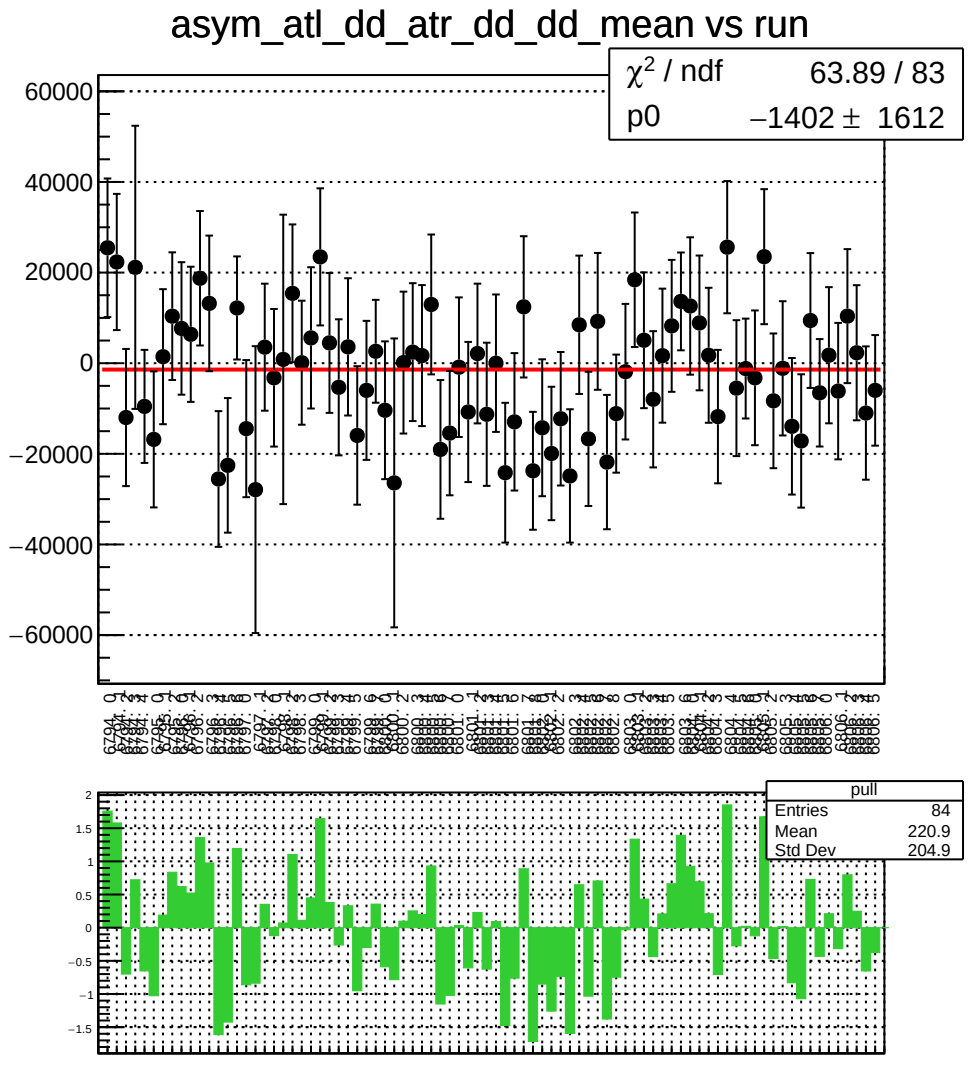

pull1D
Entries 84
Mean −0.002751
Std Dev 0.9312

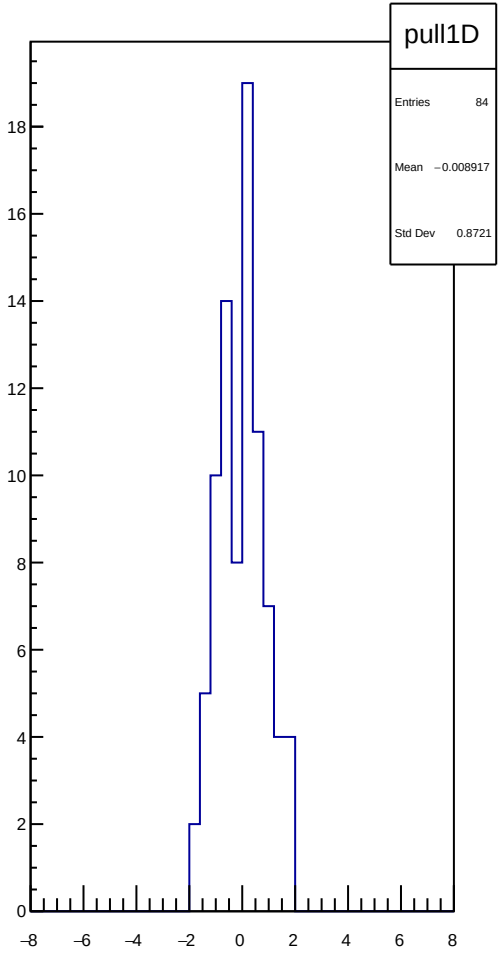

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 2.313e+04 / 83
p0 1277 ± 1.01
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

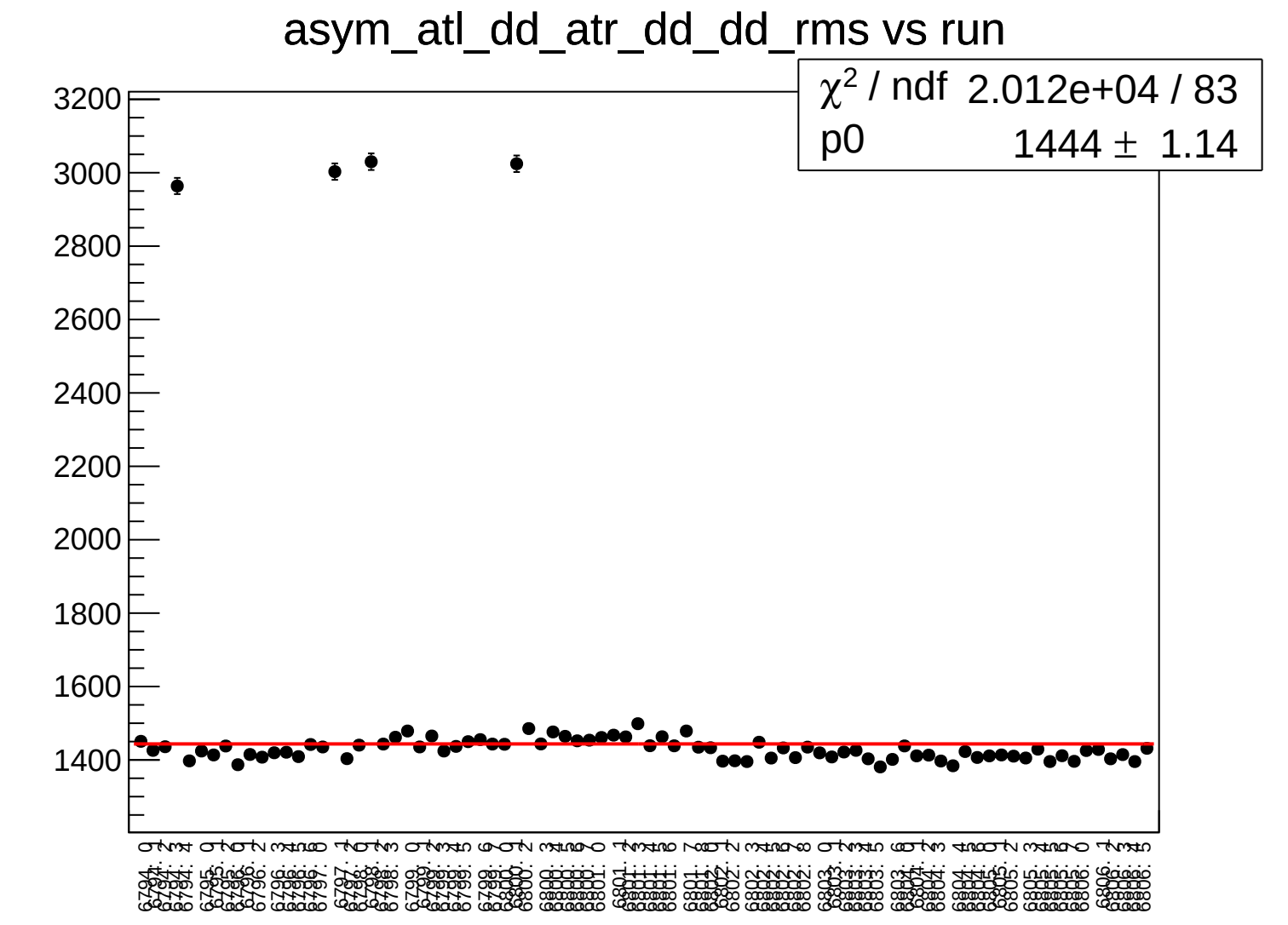

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 86.43 / 83
p0 194.8 ± 757.8
20000
10000
0
−10000
−20000
pull
Entries 84
Mean 31.14
Std Dev 150.1
2
1
0
−1
−2

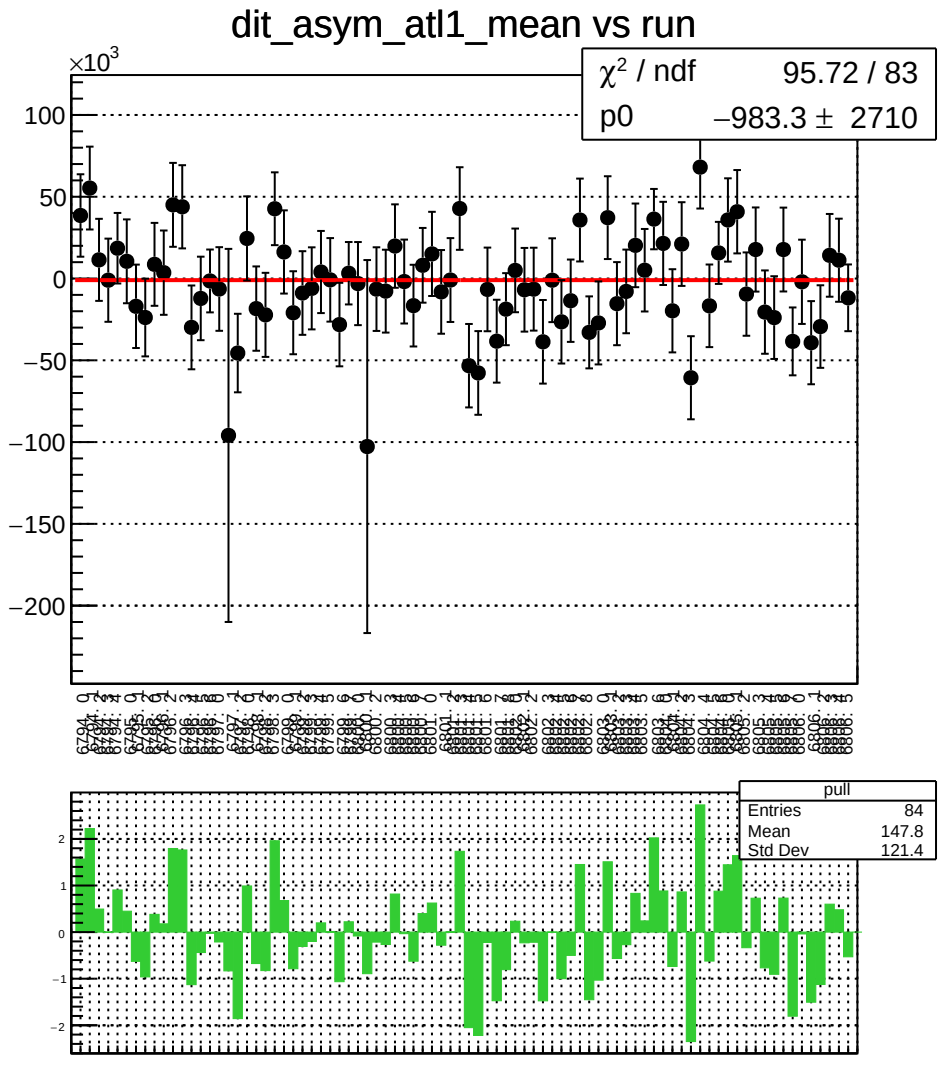

pull1D
Entries 84
Mean 0.003413
Std Dev 1.014
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

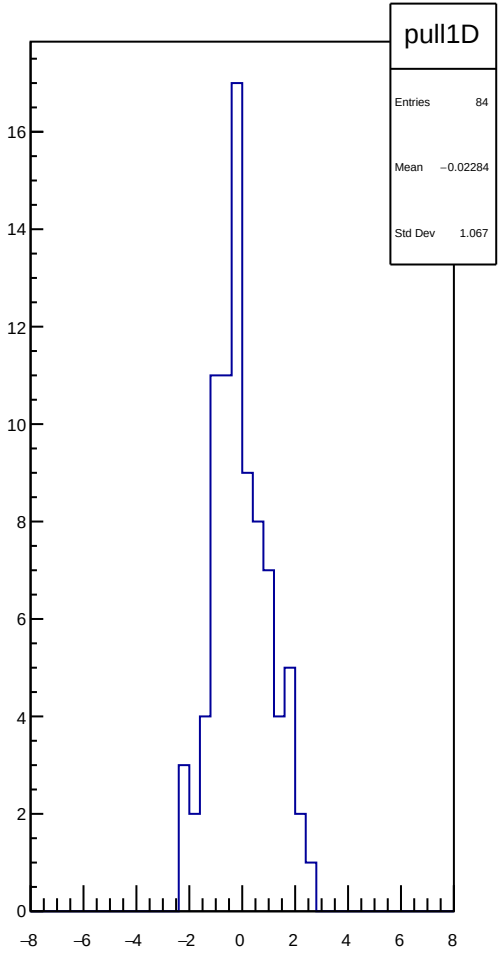

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 6809 / 83
p0 681.4 ± 0.5359
800
750
700
650
600

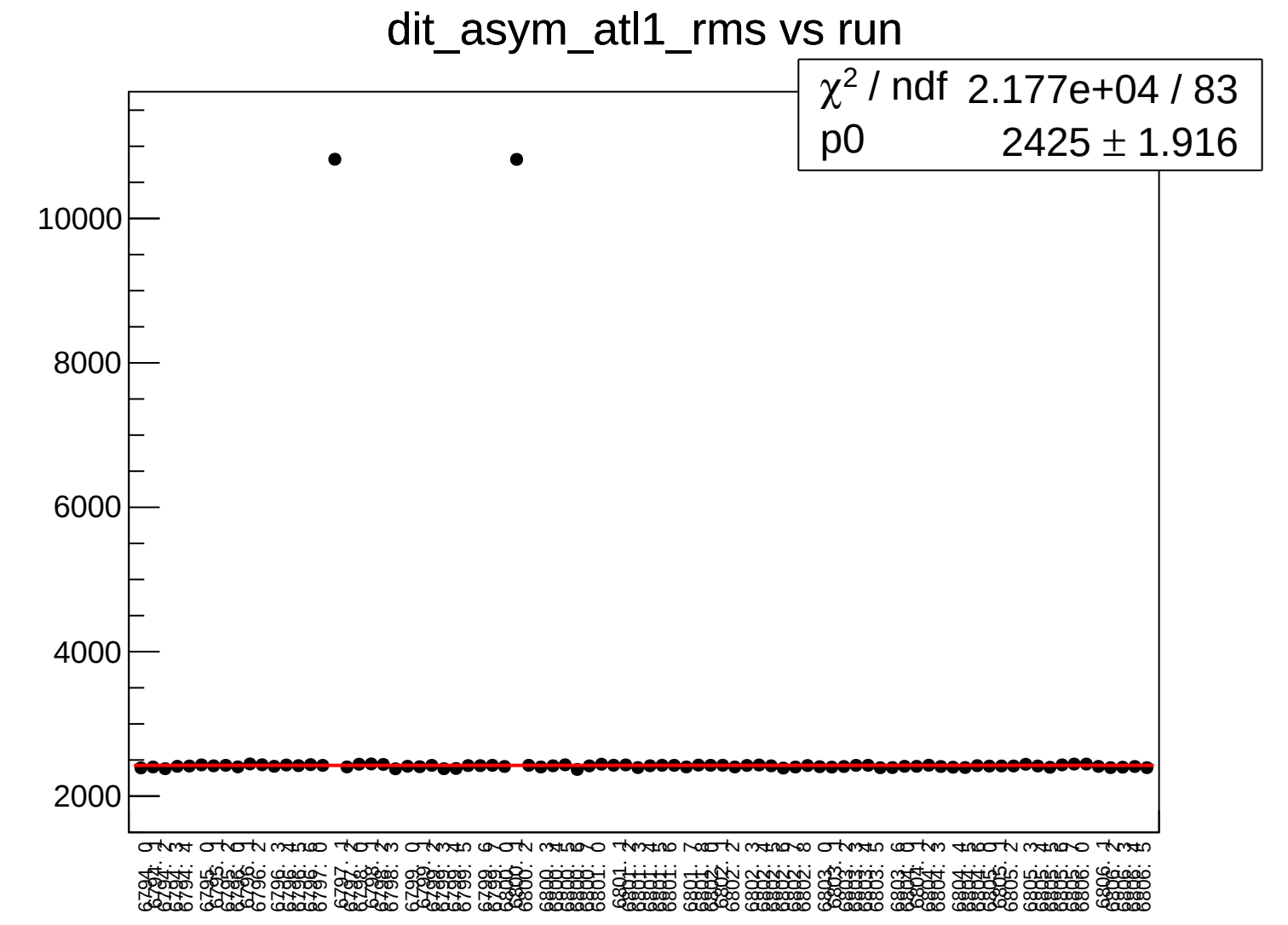

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 63.89 / 83
p0 −1402 ± 1612
pull
Entries 84
Mean 220.9
Std Dev 204.9

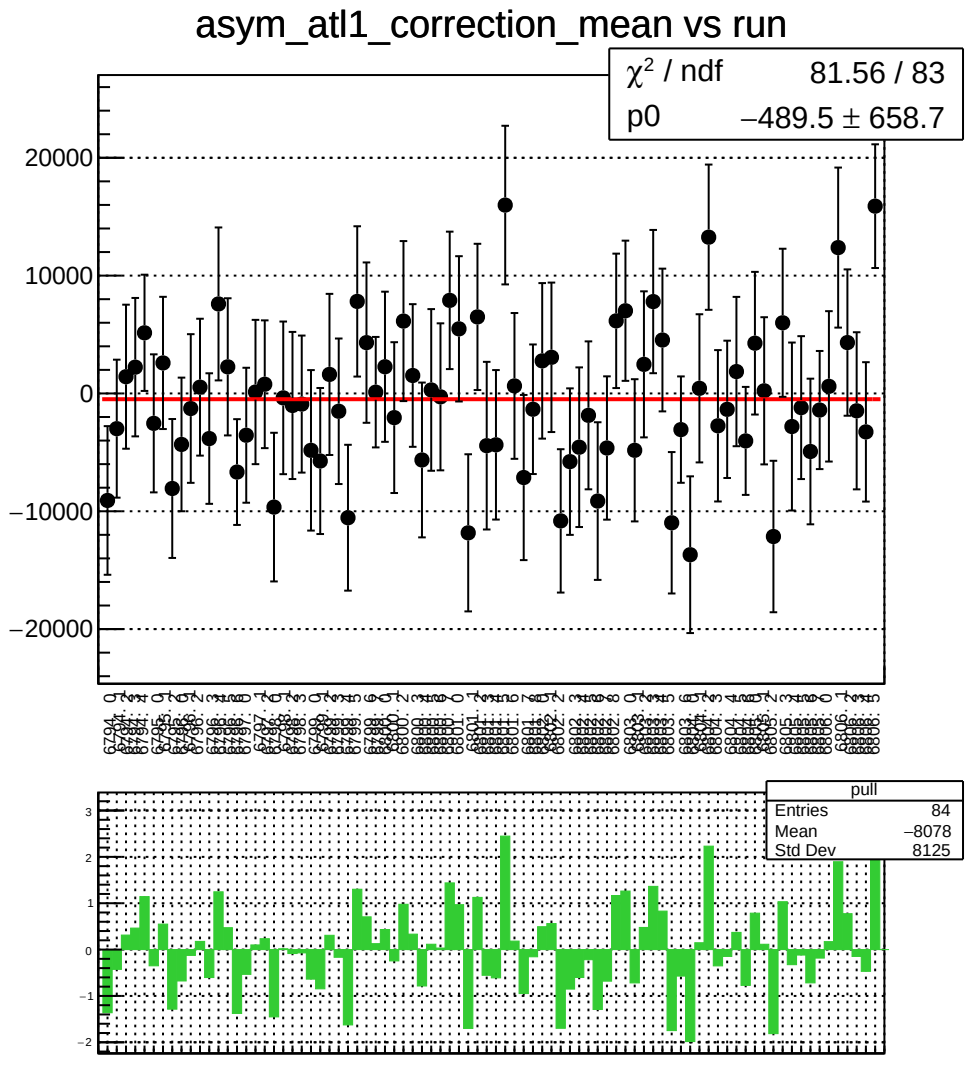

pull1D
Entries 84
Mean −0.008917
Std Dev 0.8721

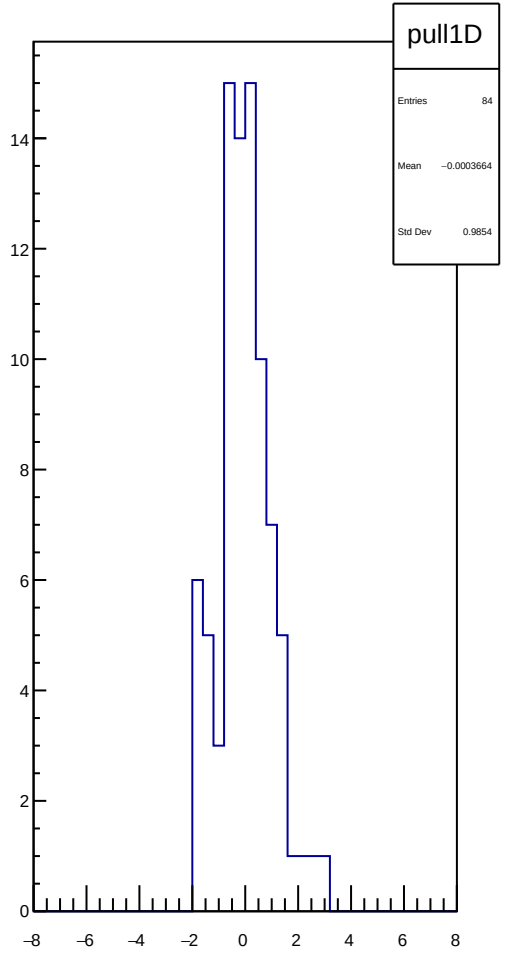

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 2.012e+04 / 83
p0 1444 ± 1.14
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400

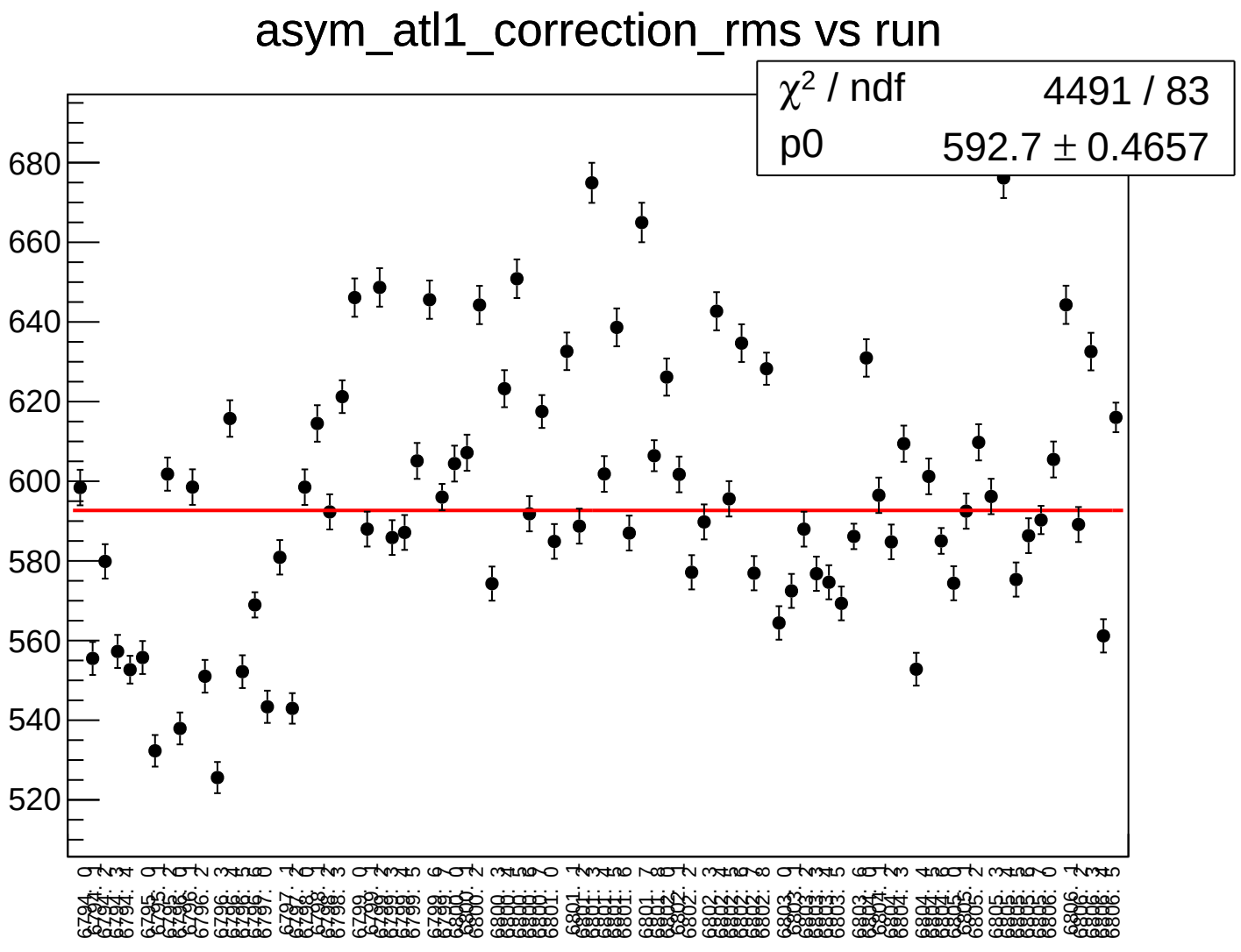

dit_asym_atl1_mean vs run
×10^3
χ² / ndf 95.72 / 83
p0 −983.3 ± 2710
100
50
0
−50
−100
−150
−200
pull
Entries 84
Mean 147.8
Std Dev 121.4
2
1
0
−1
−2

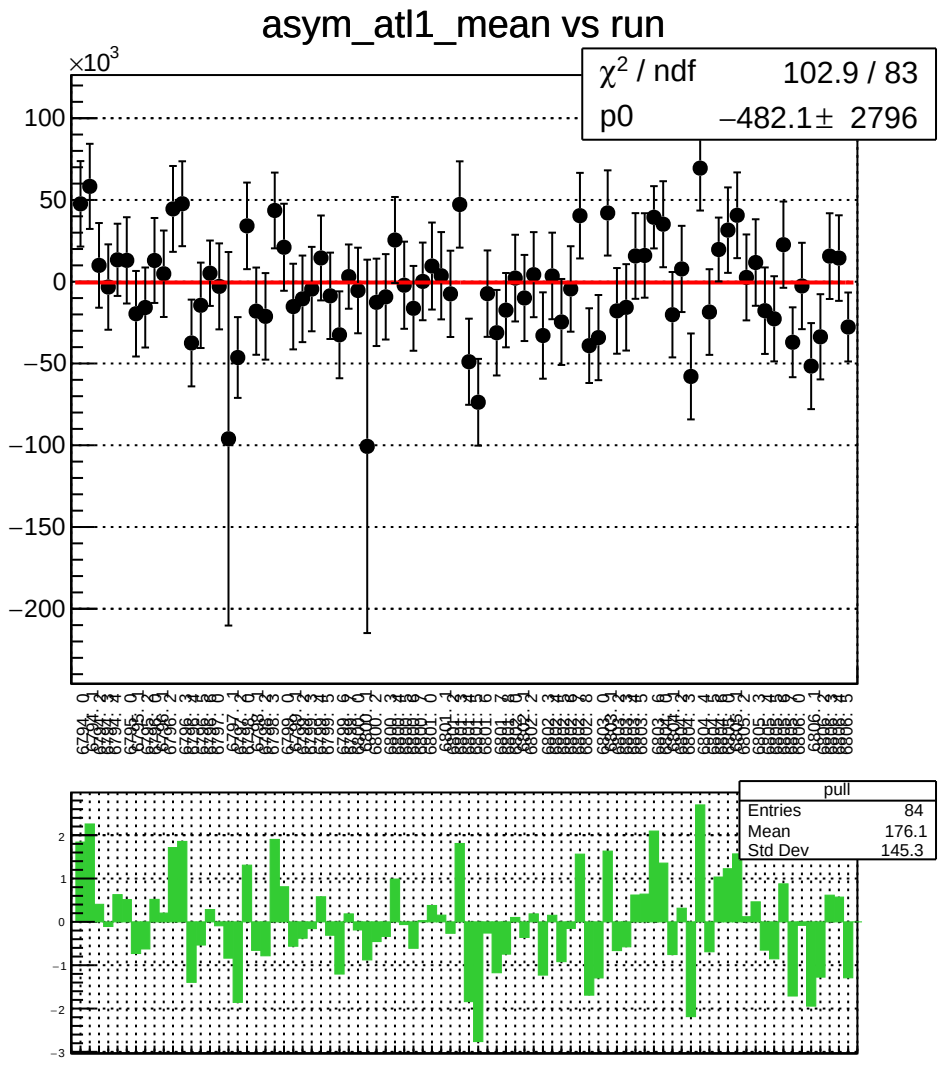

pull1D
Entries 84
Mean −0.02284
Std Dev 1.067
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

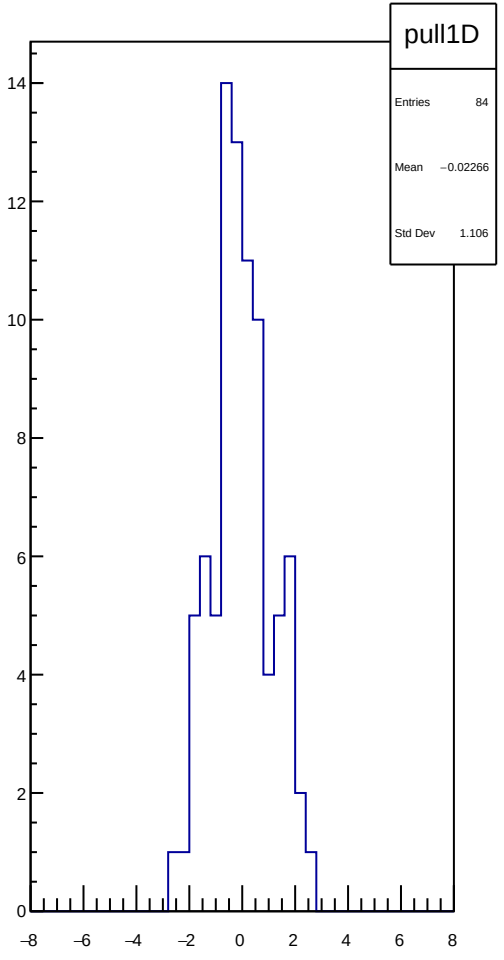

dit_asym_atl1_rms vs run
χ^2 / ndf 2.177e+04 / 83
p0 2425 ± 1.916
10000
8000
6000
4000
2000

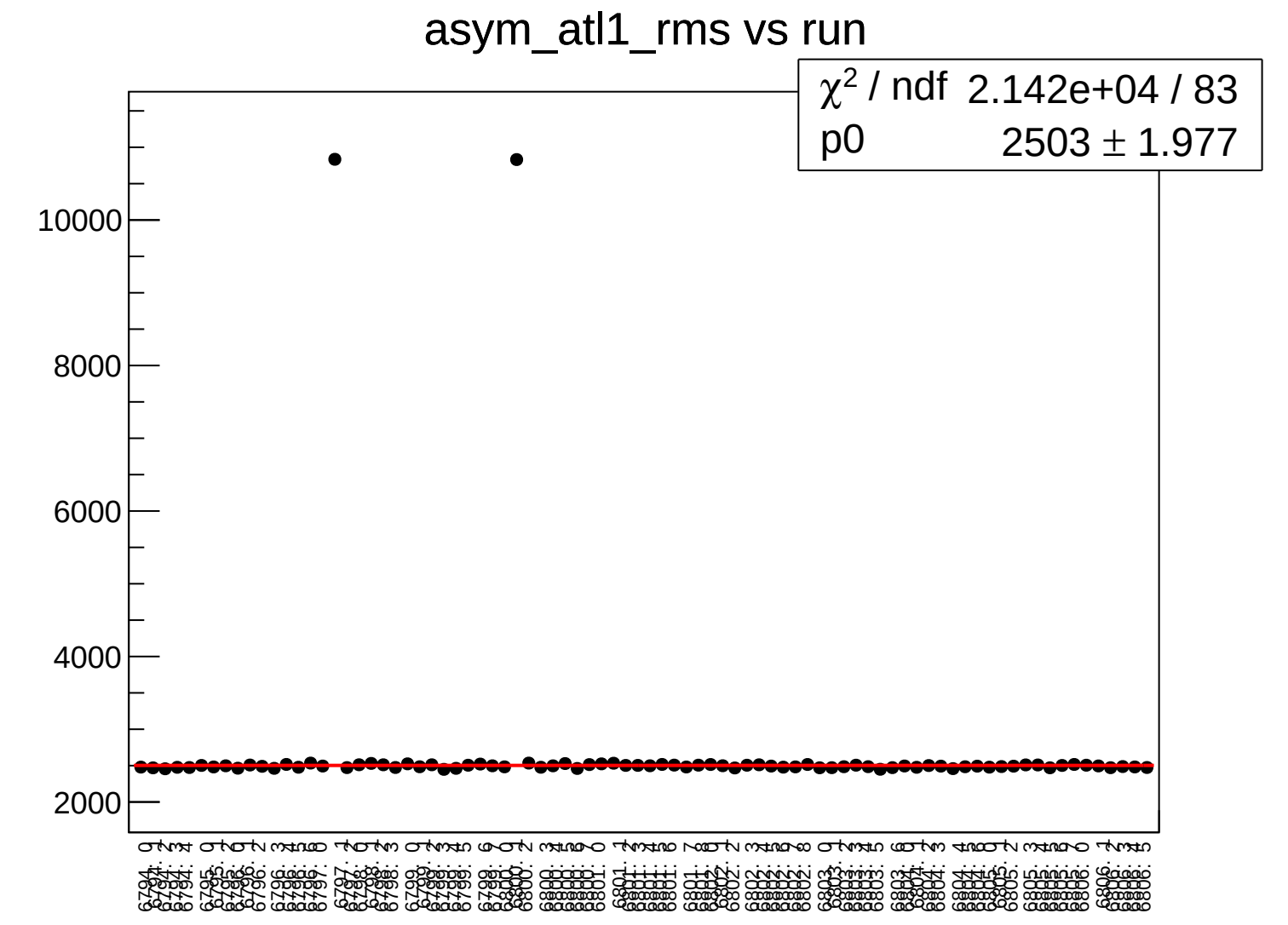

asym_atl1_correction_mean vs run
χ² / ndf 81.56 / 83
p0 −489.5 ± 658.7
20000
10000
0
−10000
−20000
pull
Entries 84
Mean −8078
Std Dev 8125
3
2
1
0
−1
−2

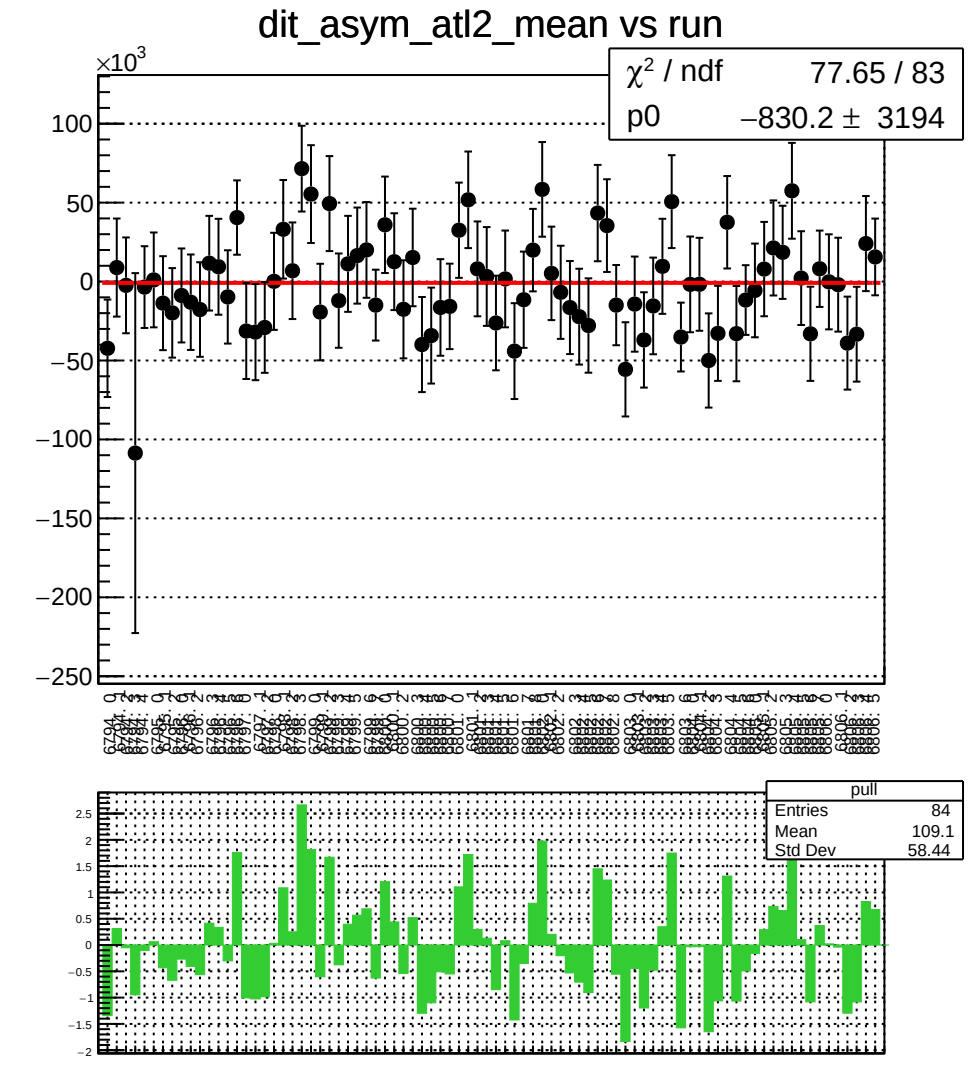

pull1D
Entries 84
Mean −0.0003664
Std Dev 0.9854
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

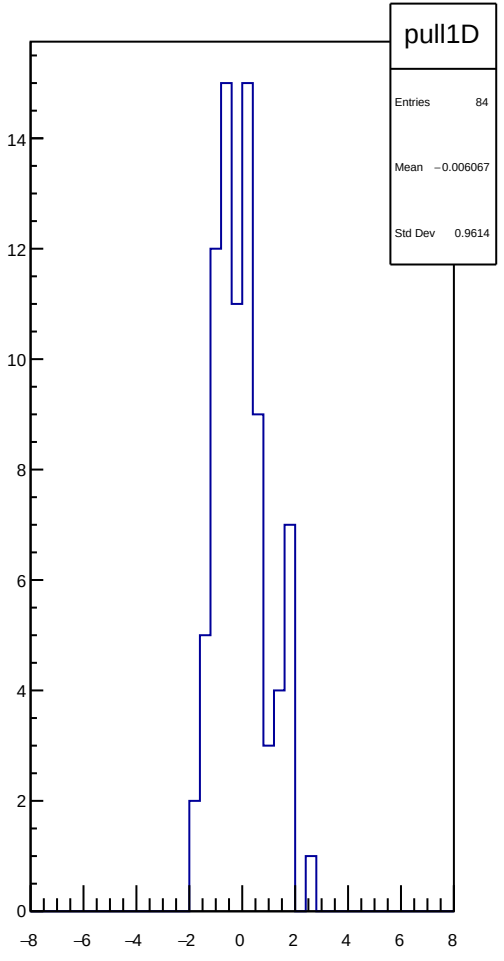

asym_atl1_correction_rms vs run
χ² / ndf 4491 / 83
p0 592.7 ± 0.4657
680
660
640
620
600
580
560
540
520

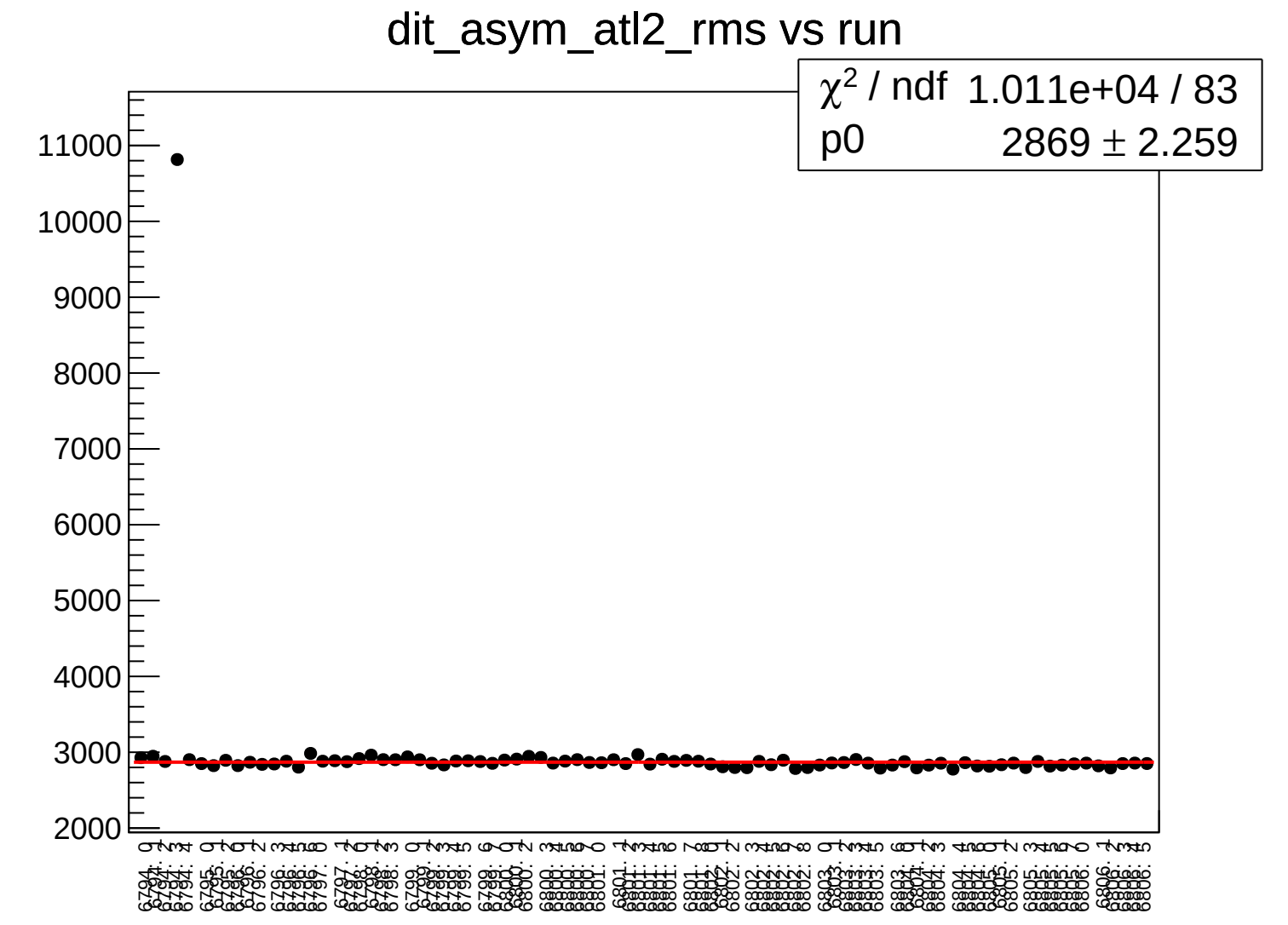

asym_atl1_mean vs run
χ² / ndf 102.9 / 83
p0 −482.1± 2796
×10³
pull
Entries 84
Mean 176.1
Std Dev 145.3

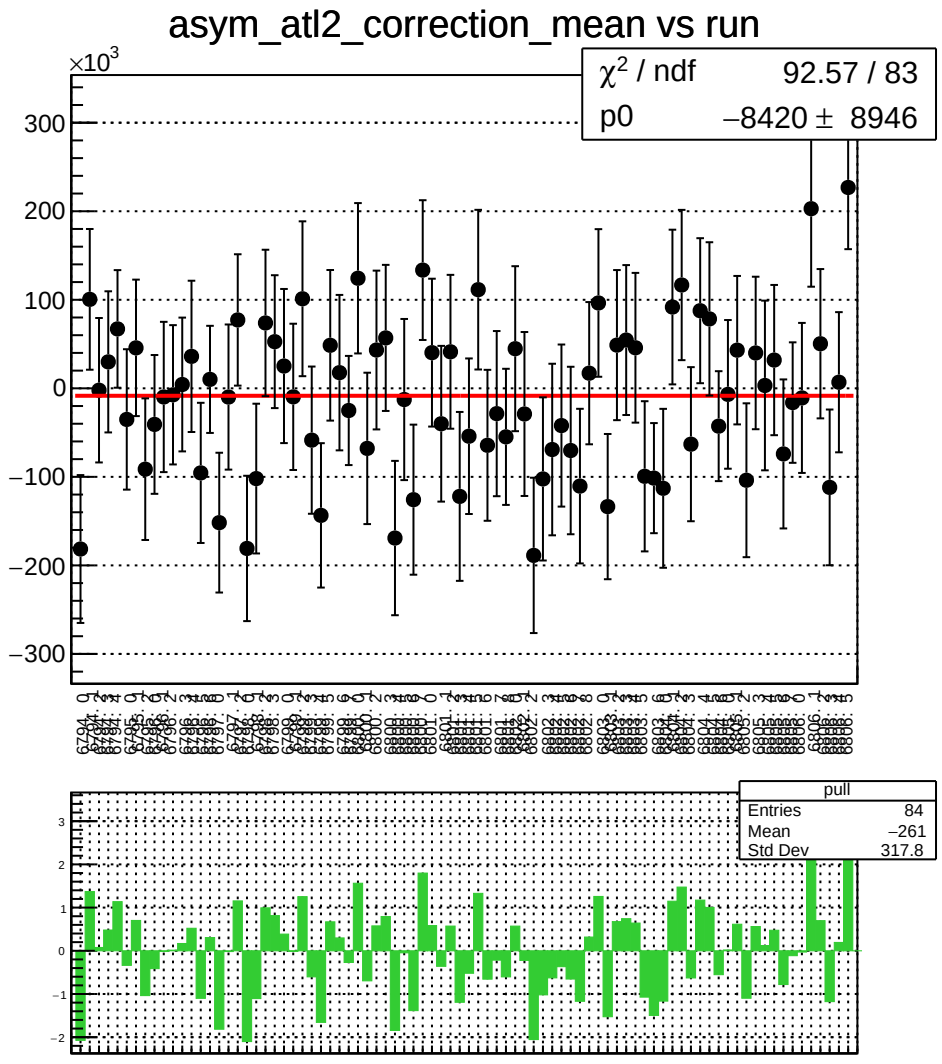

pull1D
Entries 84
Mean −0.02266
Std Dev 1.106

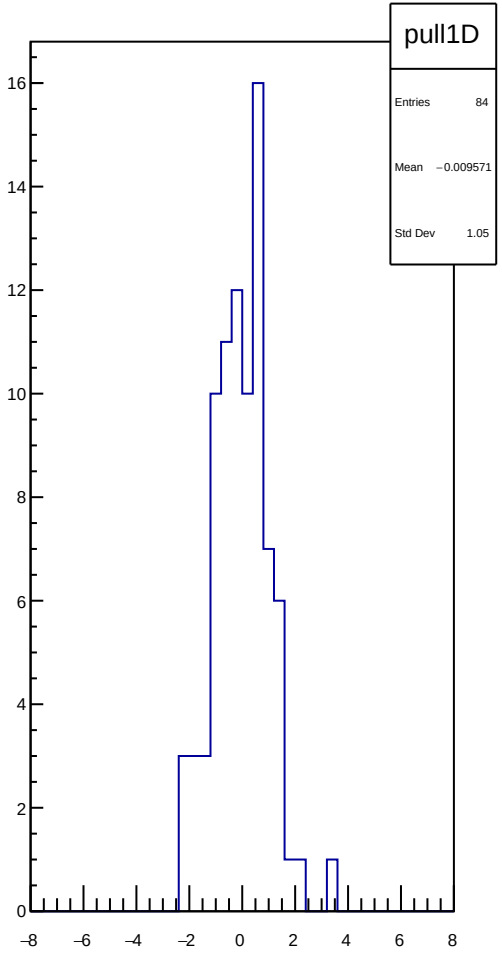

asym_atl1_rms vs run
χ² / ndf 2.142e+04 / 83
p0 2503 ± 1.977
10000
8000
6000
4000
2000

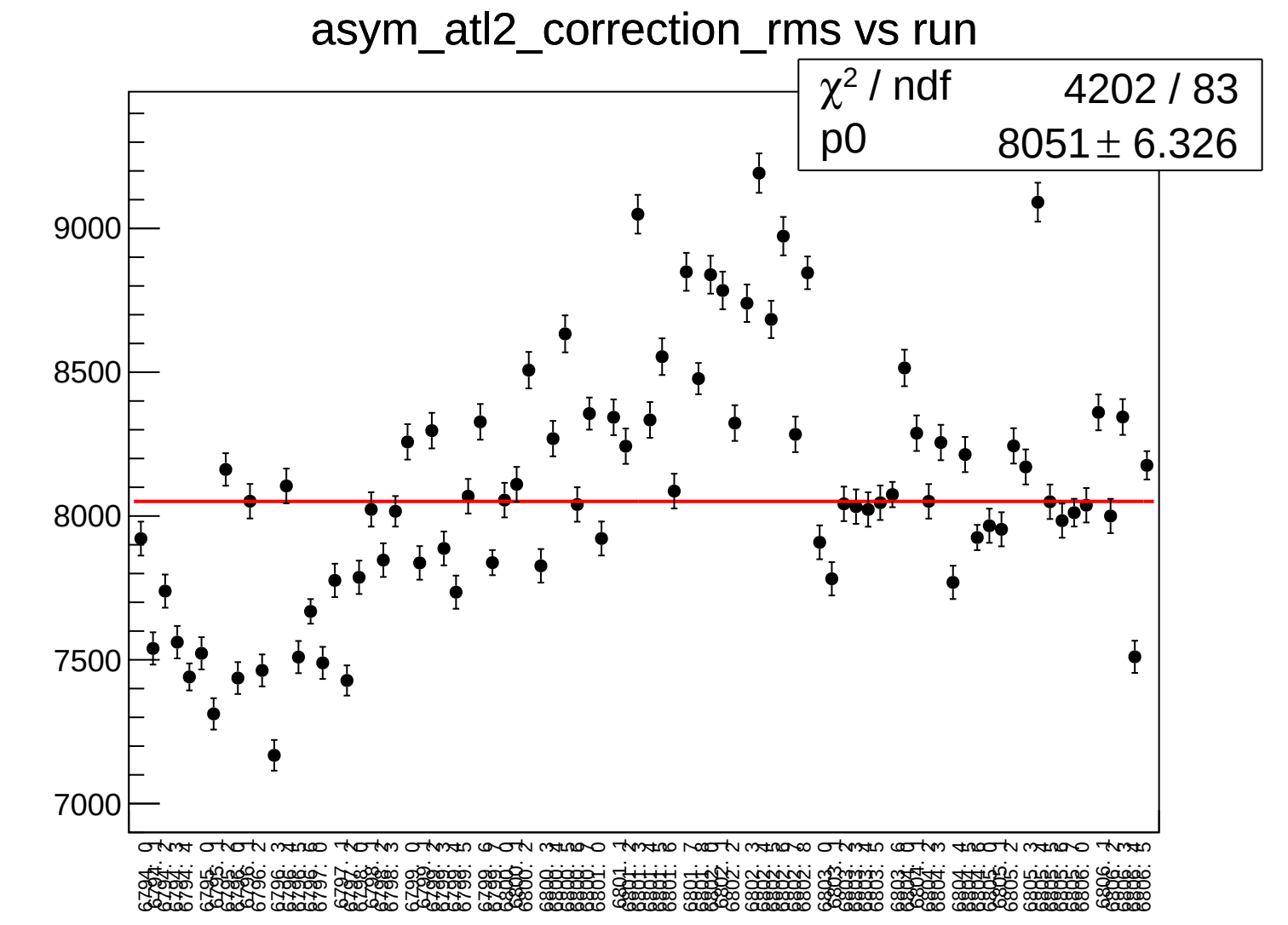

dit_asym_atl2_mean vs run
×10^3
χ² / ndf 77.65 / 83
p0 −830.2 ± 3194
pull
Entries 84
Mean 109.1
Std Dev 58.44

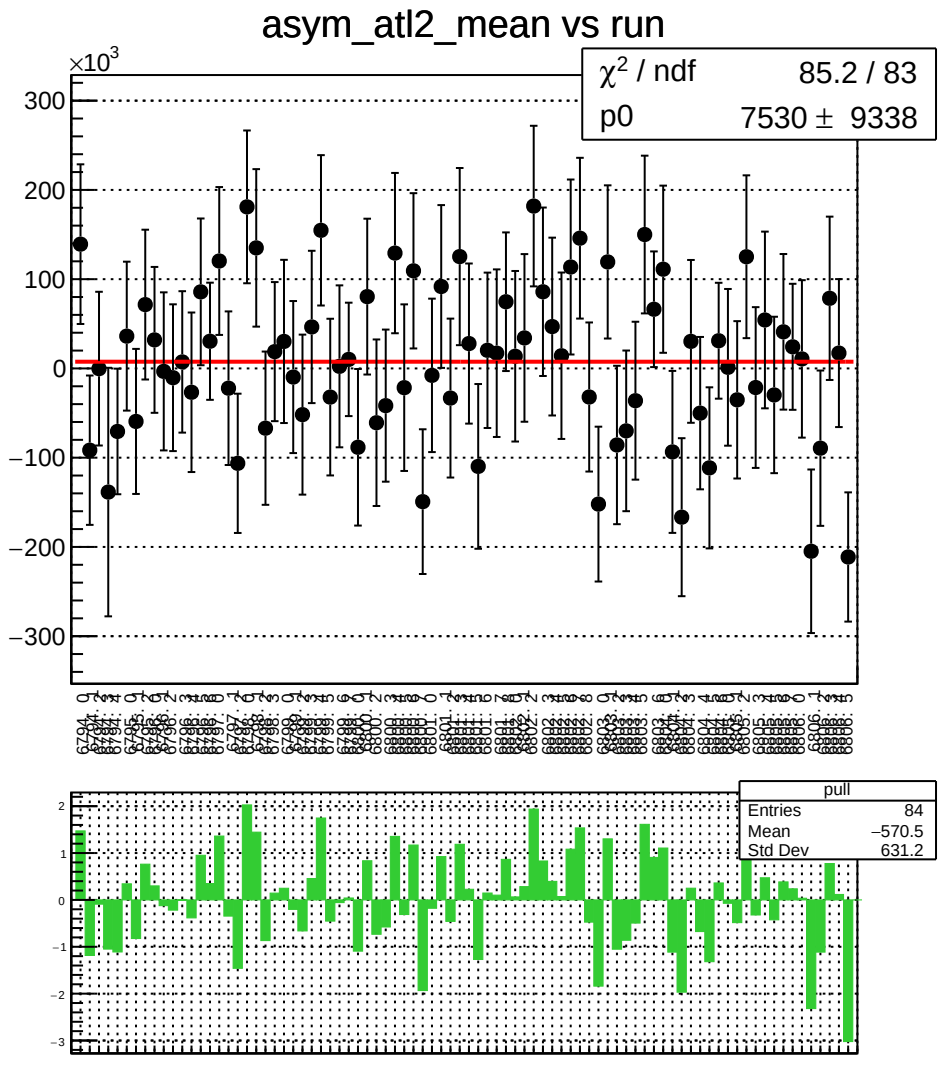

pull1D
Entries 84
Mean −0.006067
Std Dev 0.9614

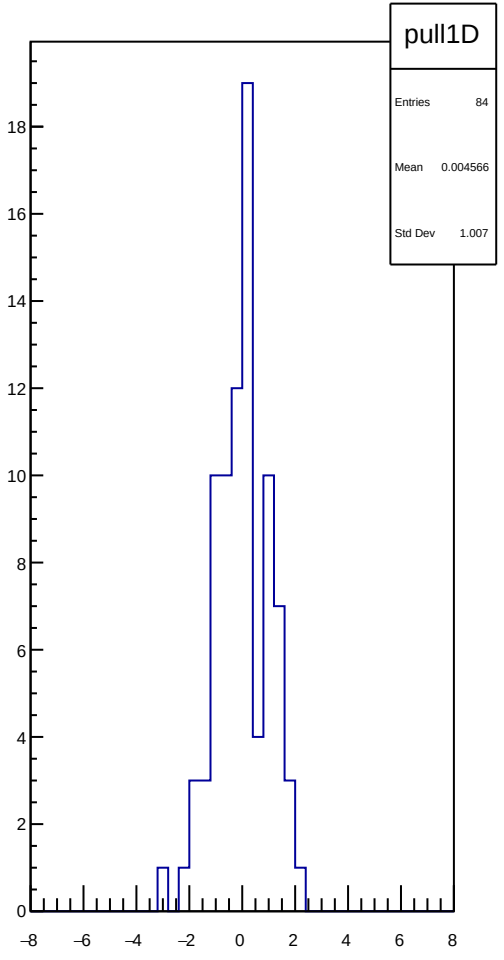

dit_asym_atl2_rms vs run
χ^2 / ndf 1.011e+04 / 83
p0 2869 ± 2.259
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000

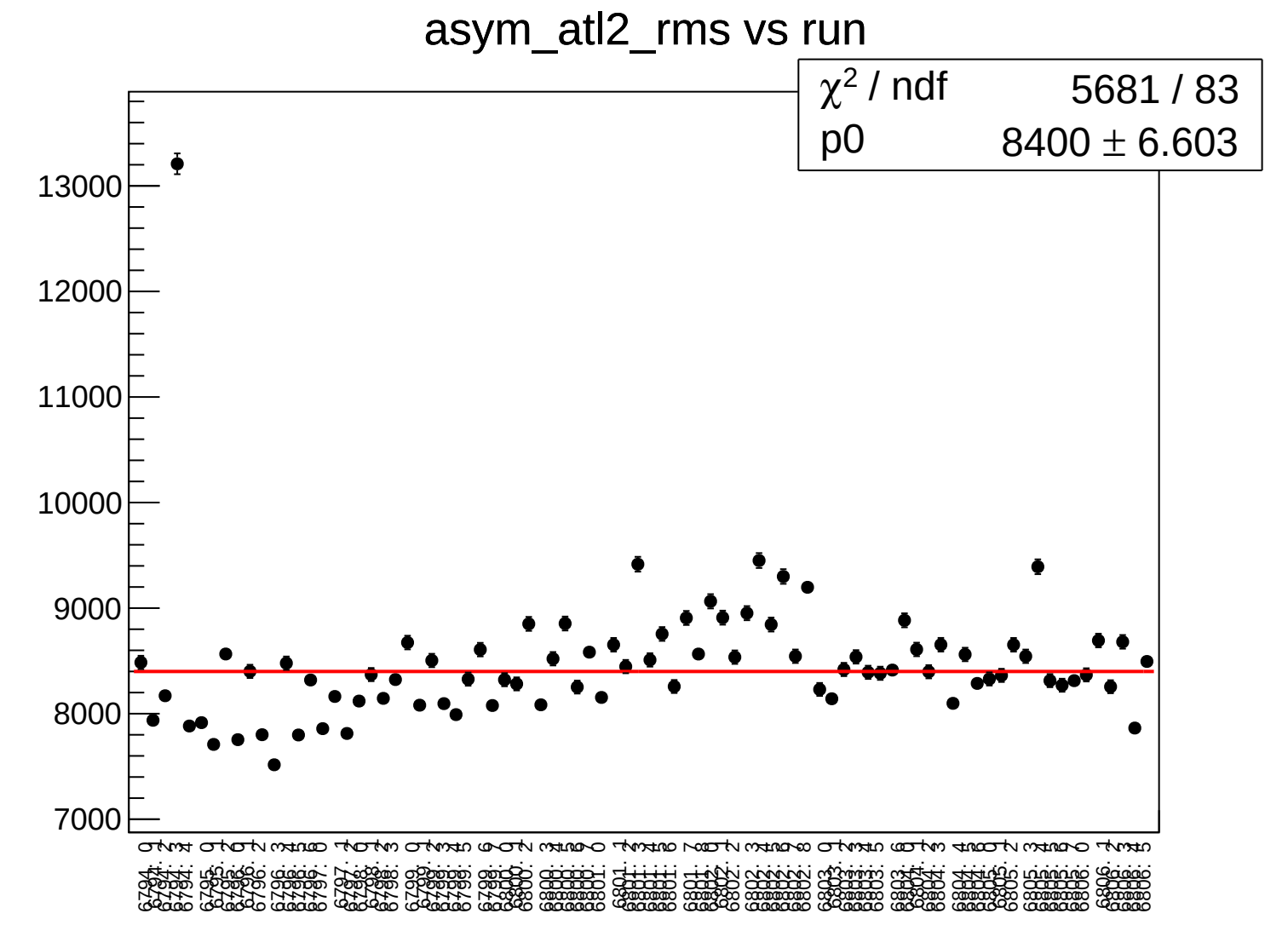

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 92.57 / 83
p0 −8420 ± 8946
pull
Entries 84
Mean −261
Std Dev 317.8

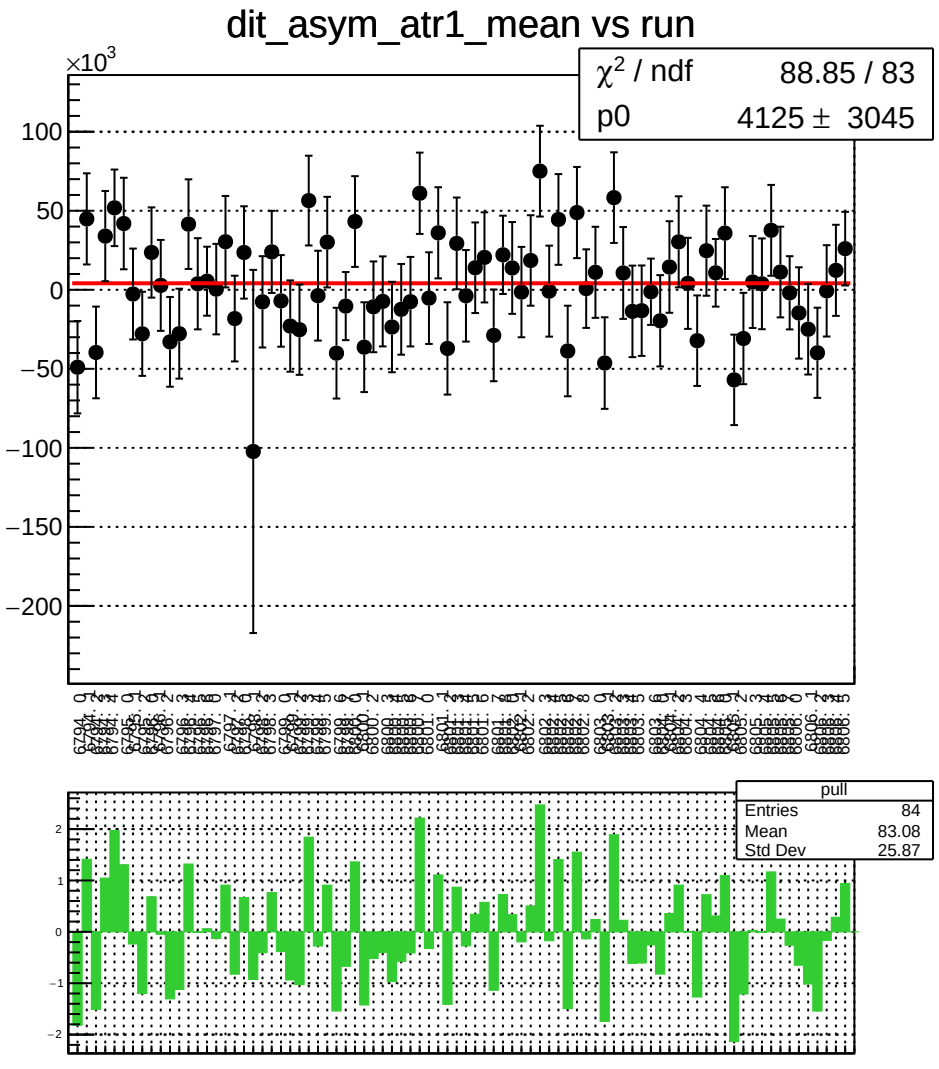

pull1D
Entries 84
Mean −0.009571
Std Dev 1.05

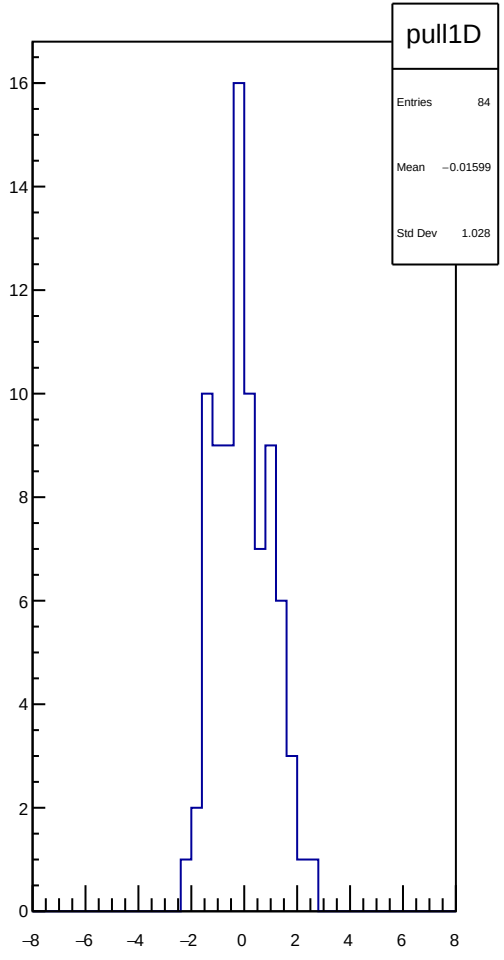

asym_atl2_correction_rms vs run
χ² / ndf 4202 / 83
p0 8051 ± 6.326
9000
8500
8000
7500
7000

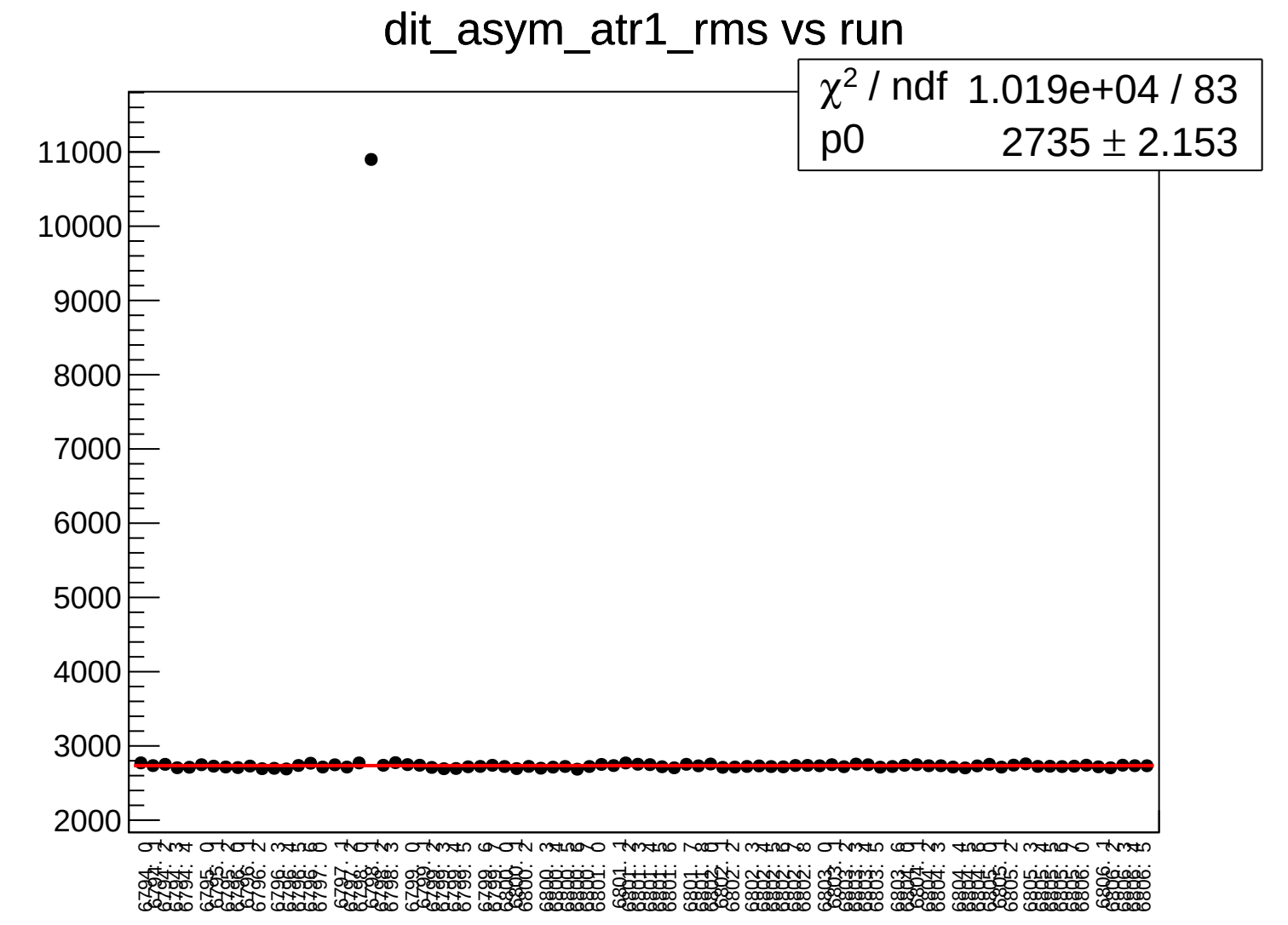

asym_atl2_mean vs run
×10^3
χ^2 / ndf 85.2 / 83
p0 7530 ± 9338
pull
Entries 84
Mean −570.5
Std Dev 631.2

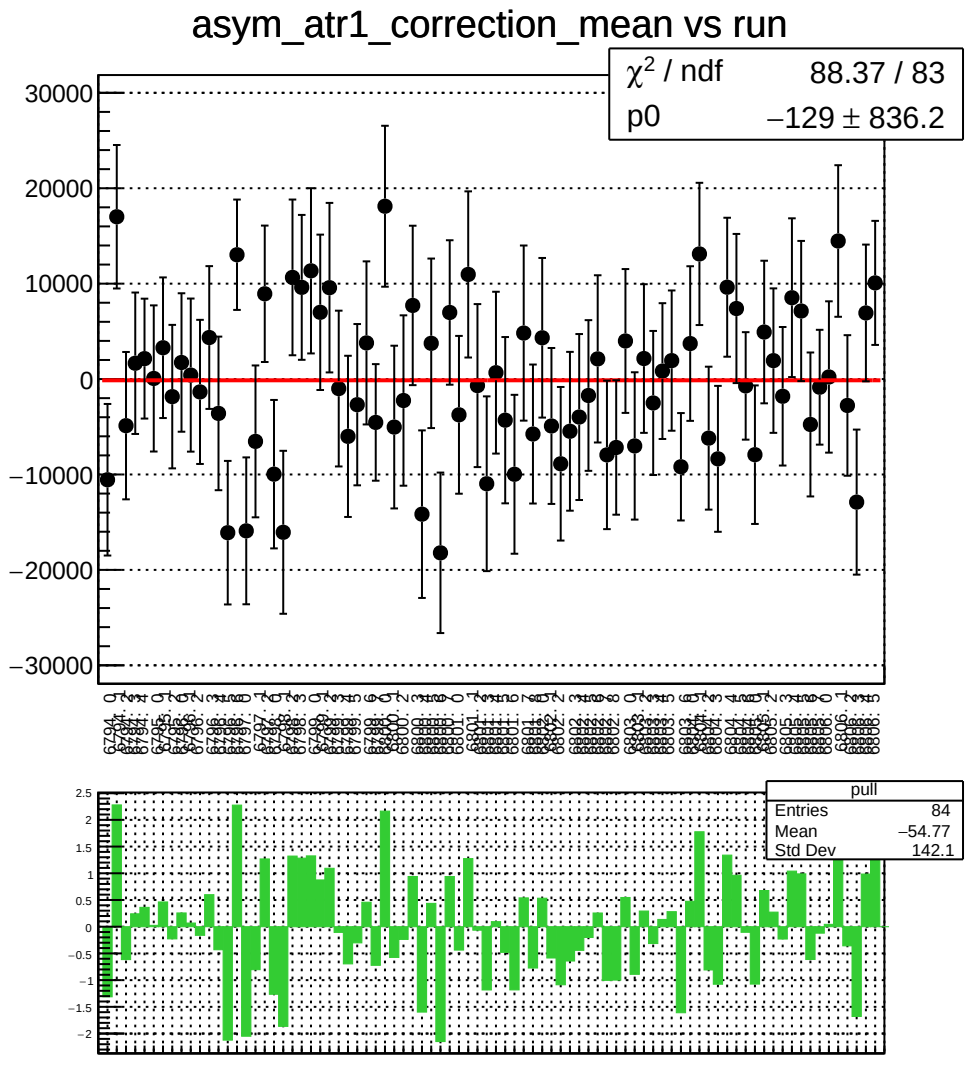

pull1D
Entries 84
Mean 0.004566
Std Dev 1.007

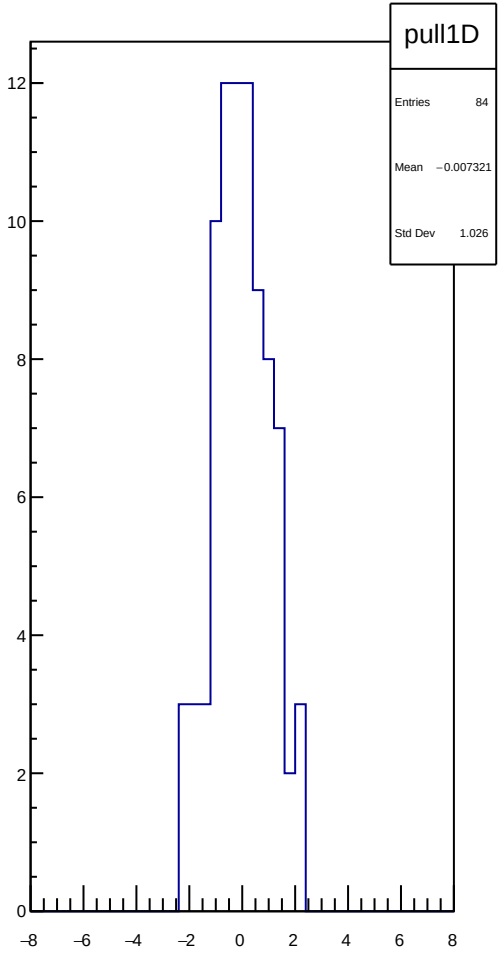

asym_atl2_rms vs run
χ² / ndf 5681 / 83
p0 8400 ± 6.603
13000
12000
11000
10000
9000
8000
7000

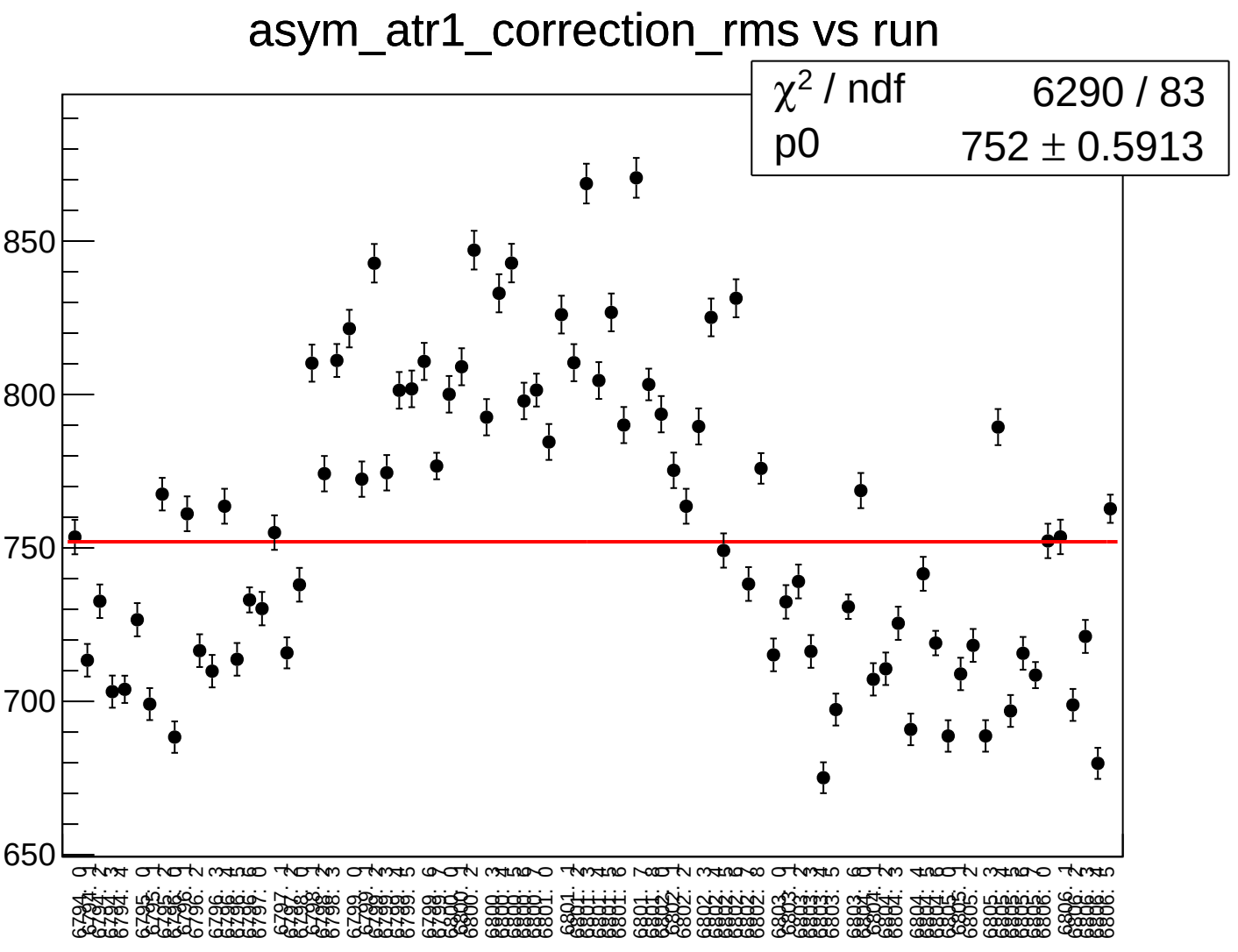

dit_asym_atr1_mean vs run
×10^3
χ^2 / ndf 88.85 / 83
p0 4125 ± 3045
100
50
0
−50
−100
−150
−200
pull
Entries 84
Mean 83.08
Std Dev 25.87
2
1
0
−1
−2

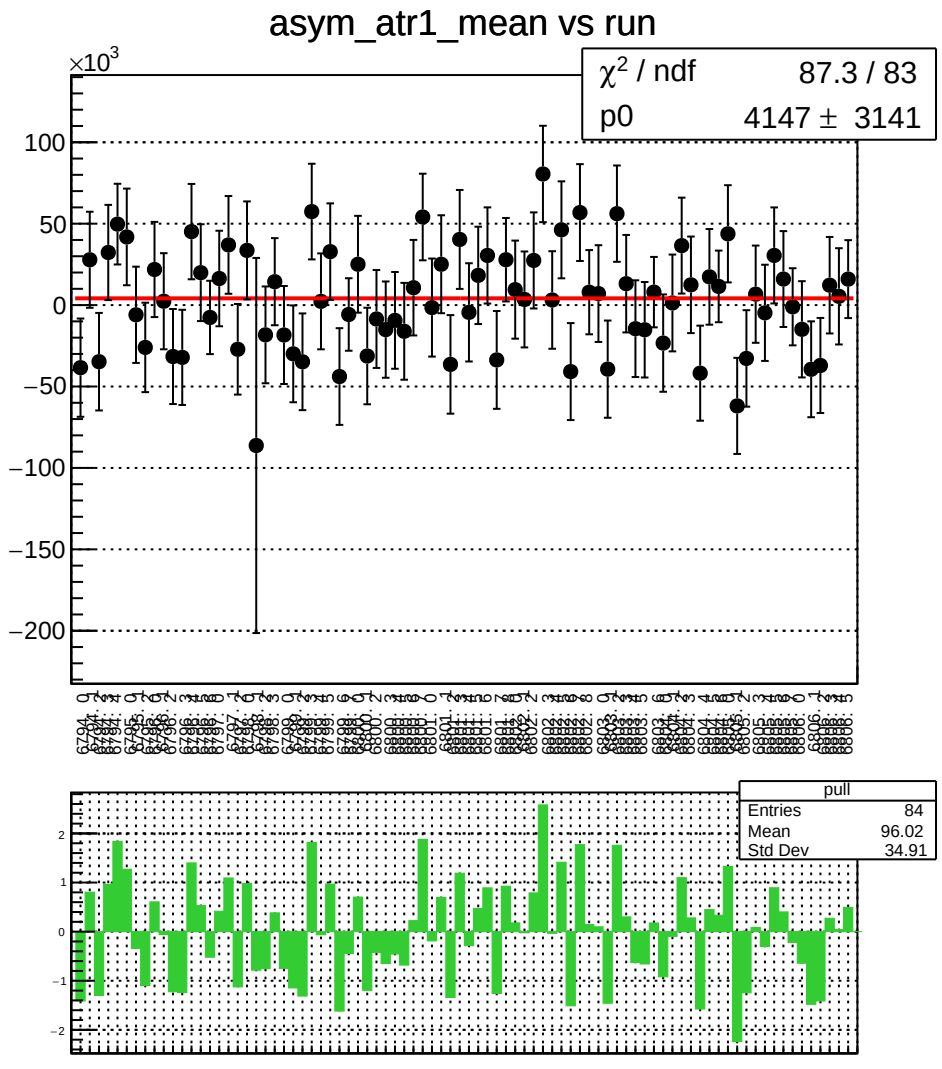

pull1D
Entries 84
Mean −0.01599
Std Dev 1.028
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

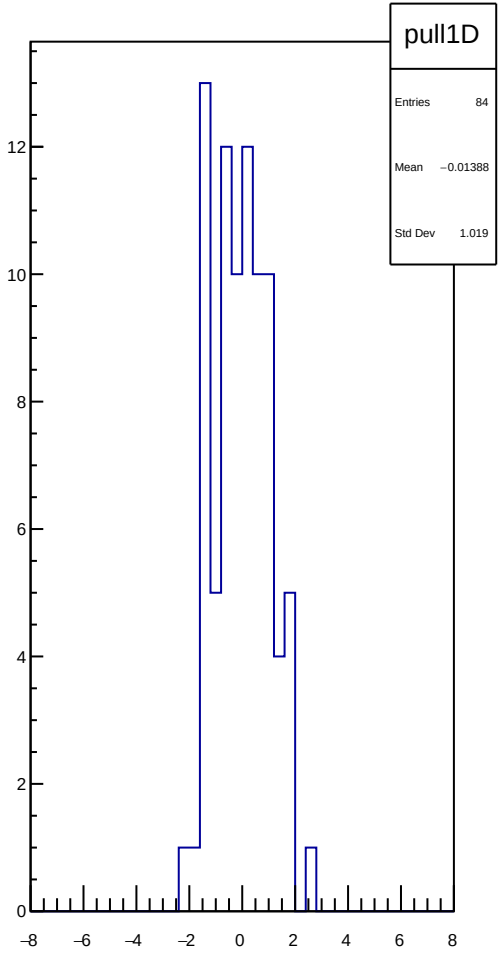

dit_asym_atr1_rms vs run
χ² / ndf 1.019e+04 / 83
p0 2735 ± 2.153
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000

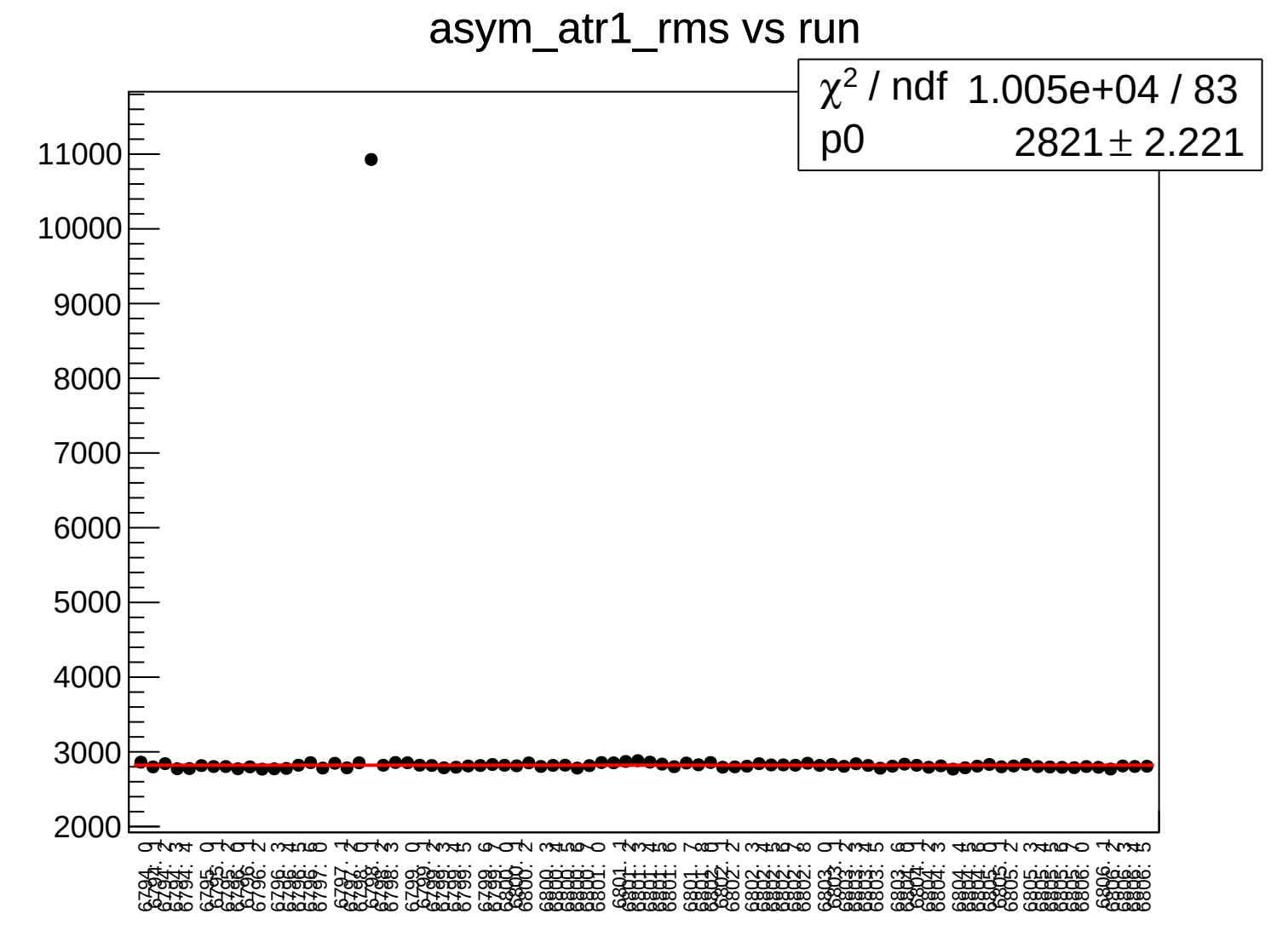

asym_atr1_correction_mean vs run
χ² / ndf 88.37 / 83
p0 −129 ± 836.2
pull
Entries 84
Mean −54.77
Std Dev 142.1

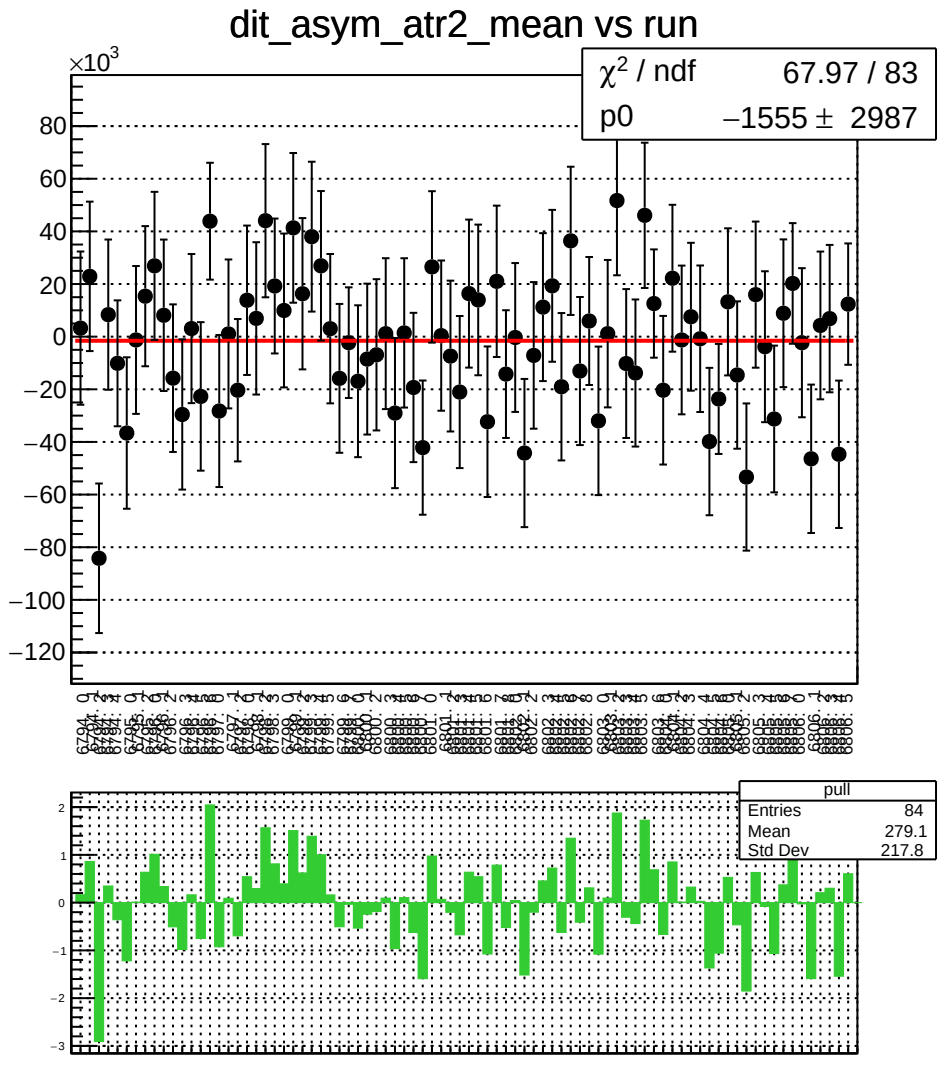

pull1D
Entries 84
Mean −0.007321
Std Dev 1.026

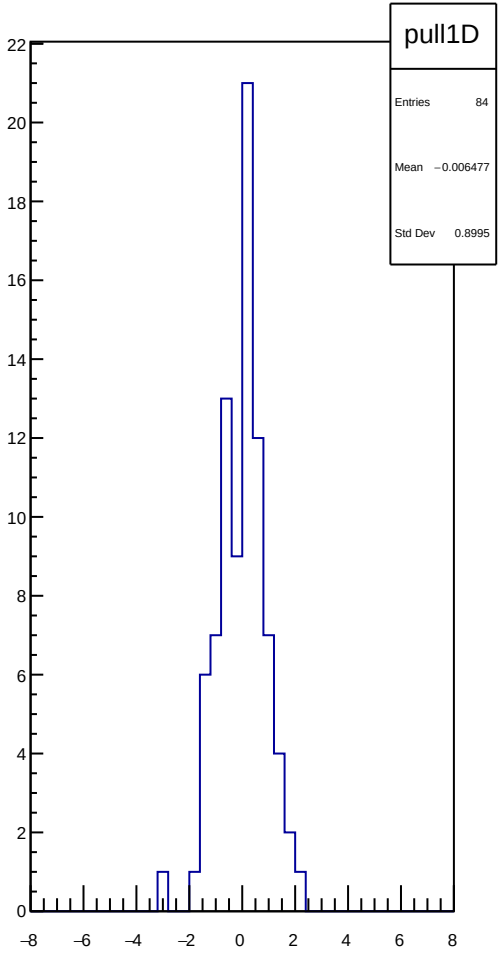

asym_atr1_correction_rms vs run
χ² / ndf 6290 / 83
p0 752 ± 0.5913
850
800
750
700
650

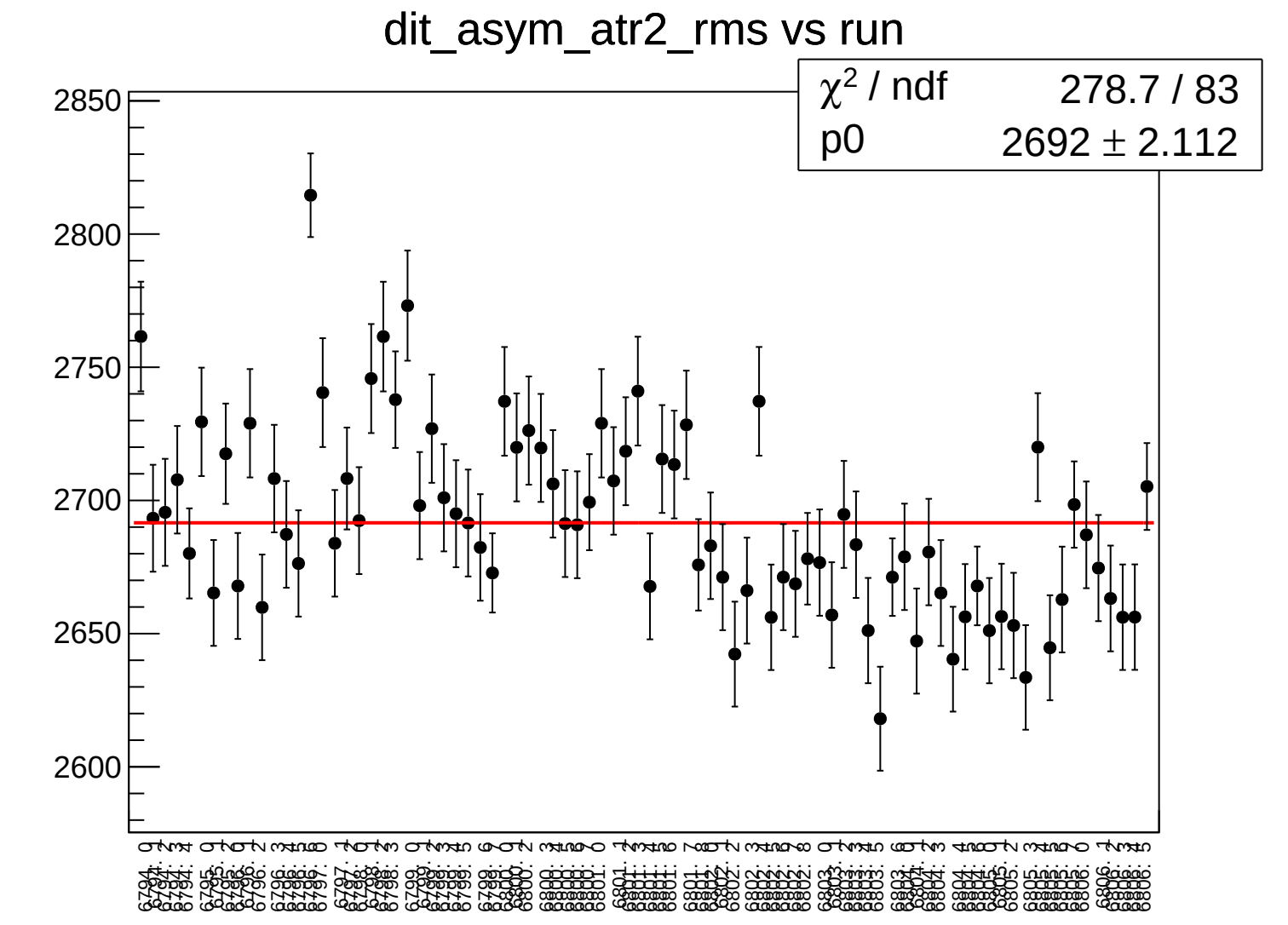

asym_atr1_mean vs run
×10^3
χ^2 / ndf 87.3 / 83
p0 4147 ± 3141
100
50
0
−50
−100
−150
−200
pull
Entries 84
Mean 96.02
Std Dev 34.91
2
1
0
−1
−2

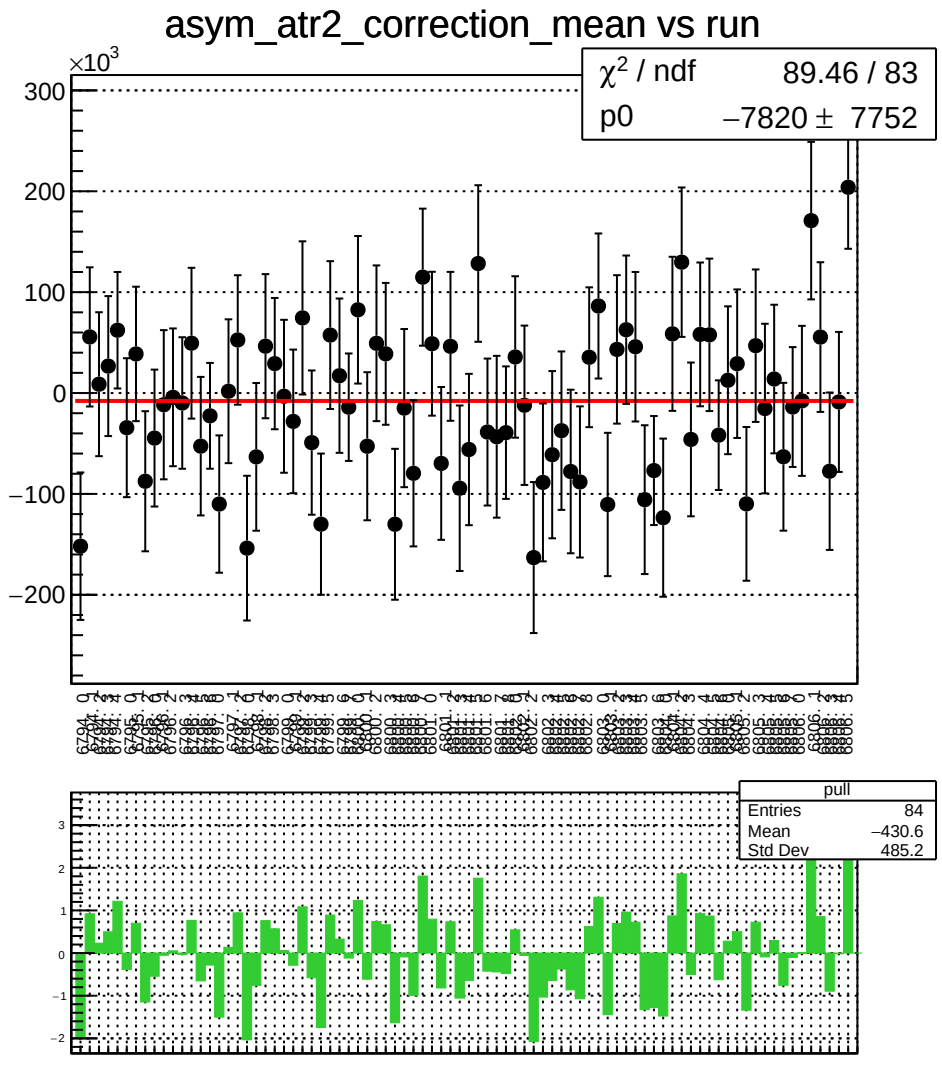

pull1D
Entries 84
Mean −0.01388
Std Dev 1.019
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

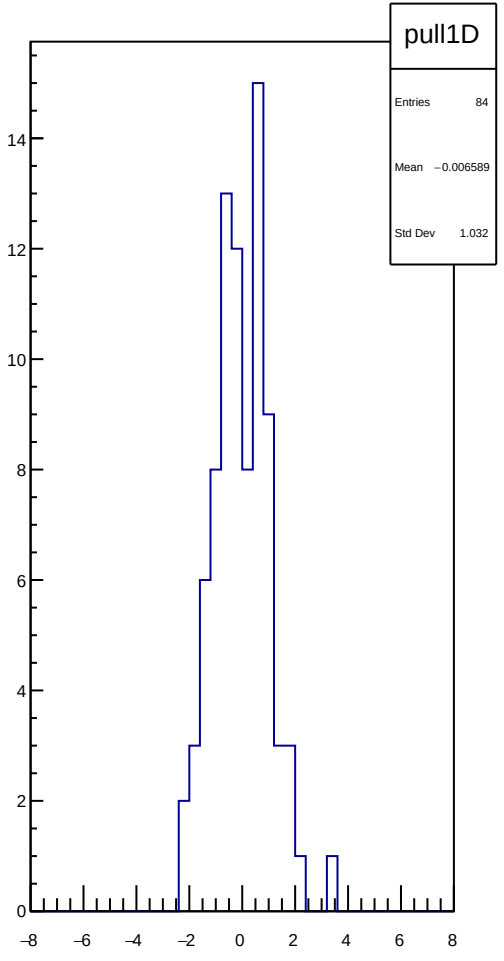

asym_atr1_rms vs run
χ^2 / ndf 1.005e+04 / 83
p0 2821 ± 2.221
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000

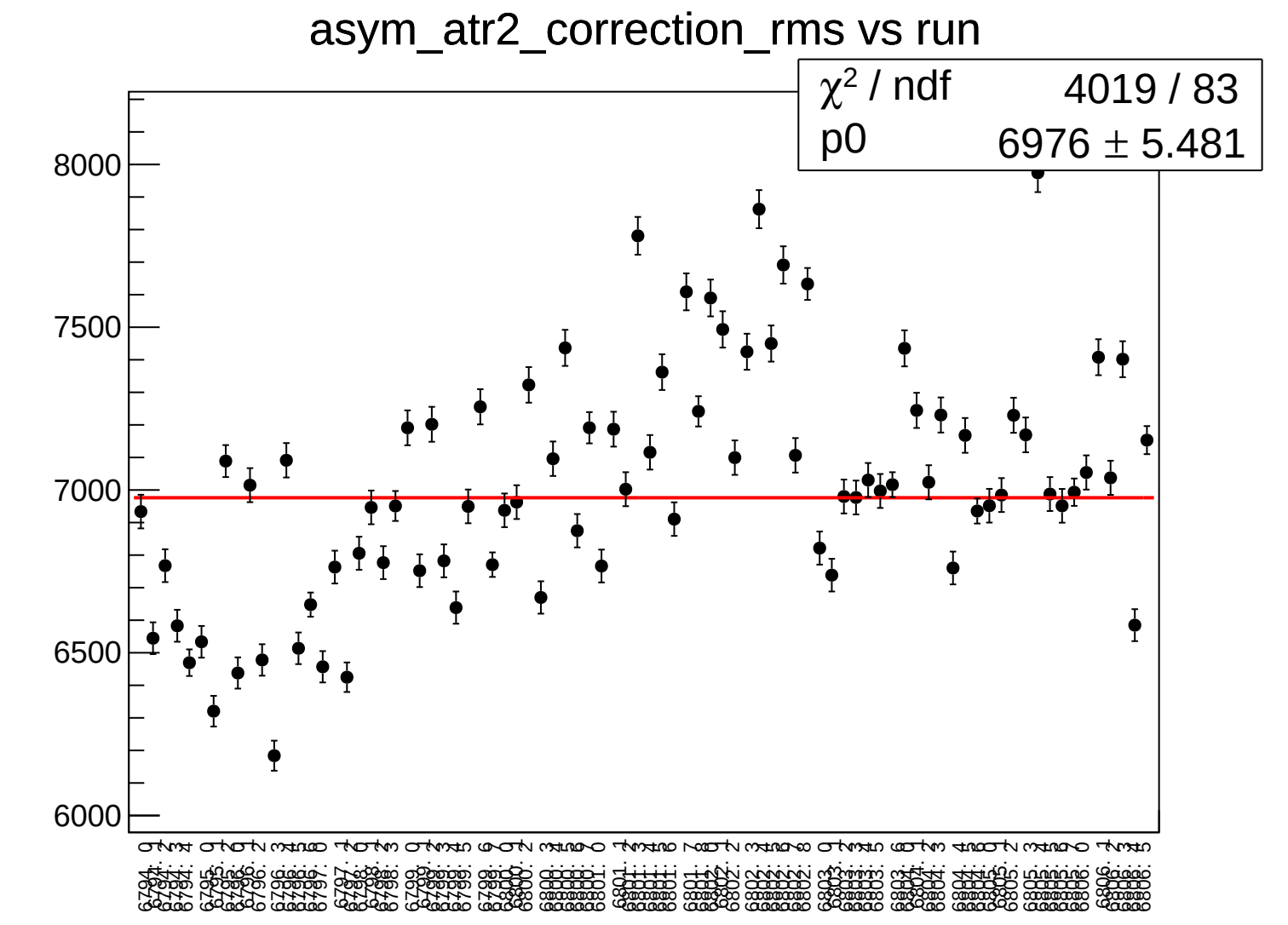

dit_asym_atr2_mean vs run
×10^3
χ^2 / ndf 67.97 / 83
p0 −1555 ± 2987
pull
Entries 84
Mean 279.1
Std Dev 217.8

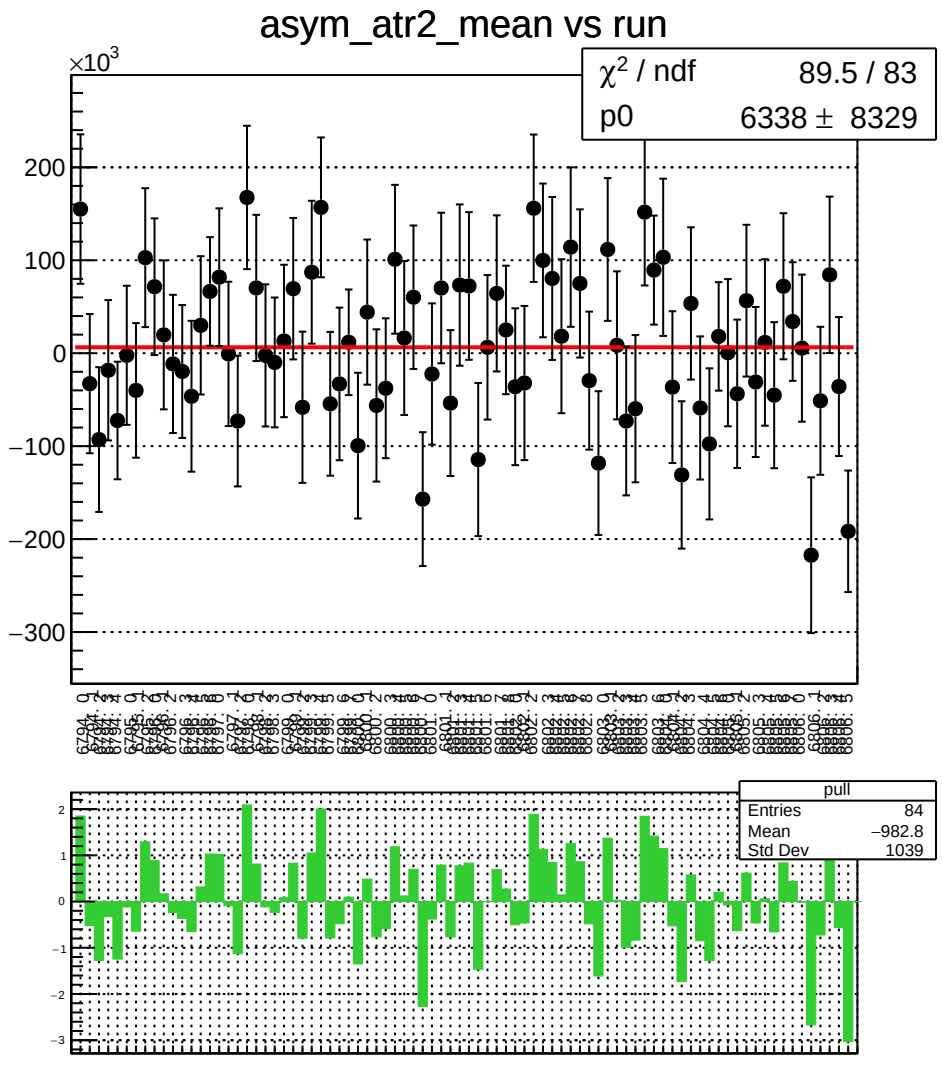

pull1D
Entries 84
Mean −0.006477
Std Dev 0.8995

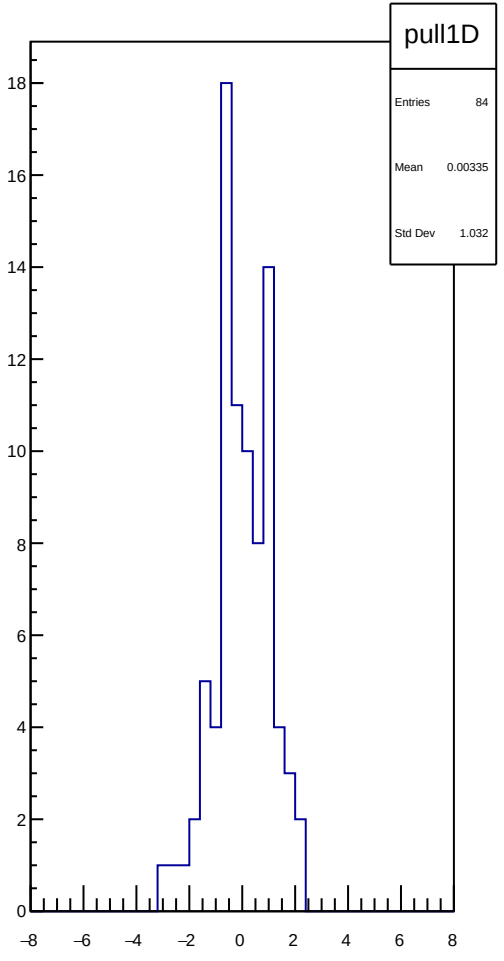

dit_asym_atr2_rms vs run
χ² / ndf 278.7 / 83
p0 2692 ± 2.112
2850
2800
2750
2700
2650
2600

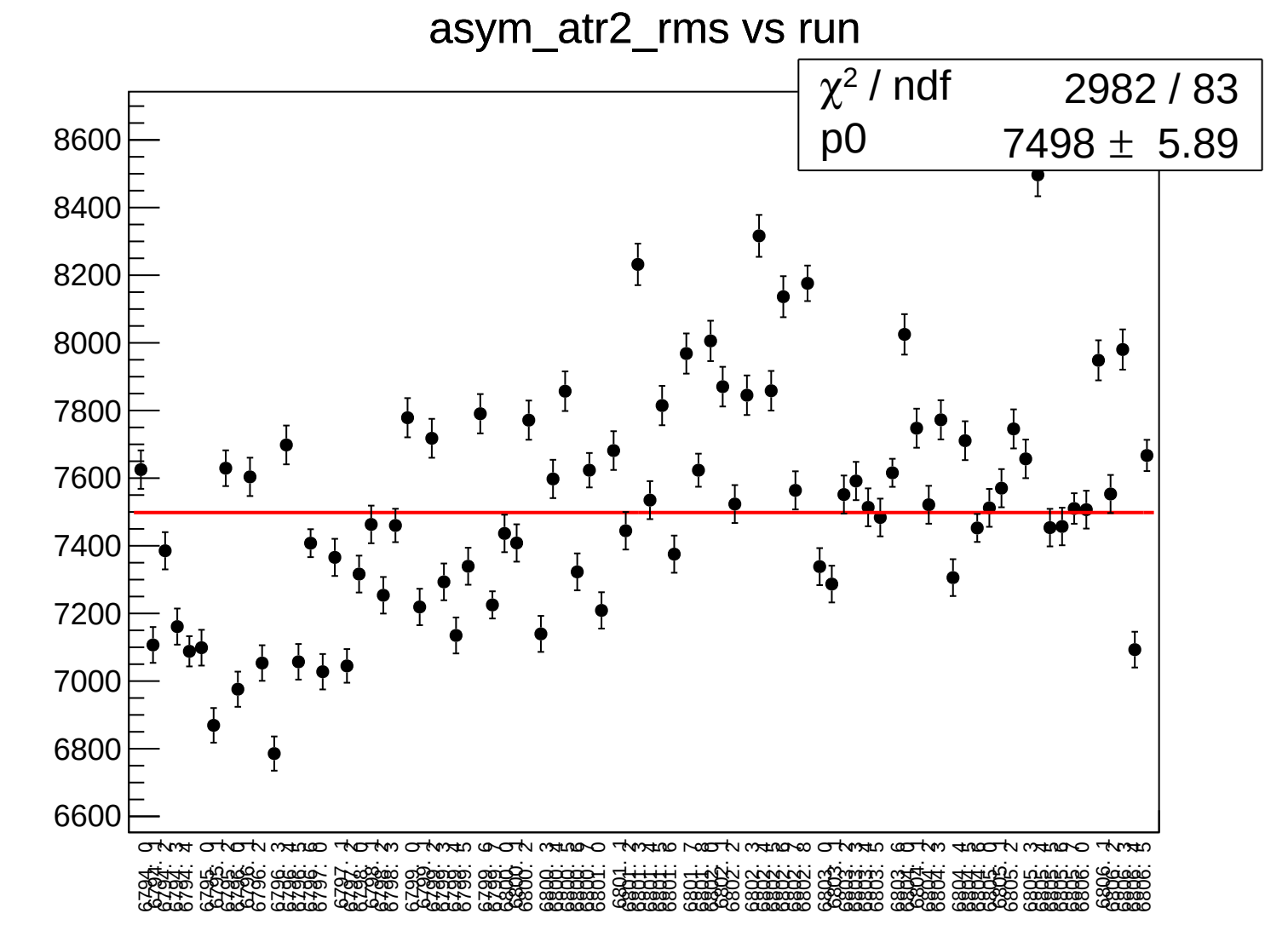

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 89.46 / 83
p0 −7820 ± 7752
300
200
100
0
−100
−200
pull
Entries 84
Mean −430.6
Std Dev 485.2
3
2
1
0
−1
−2

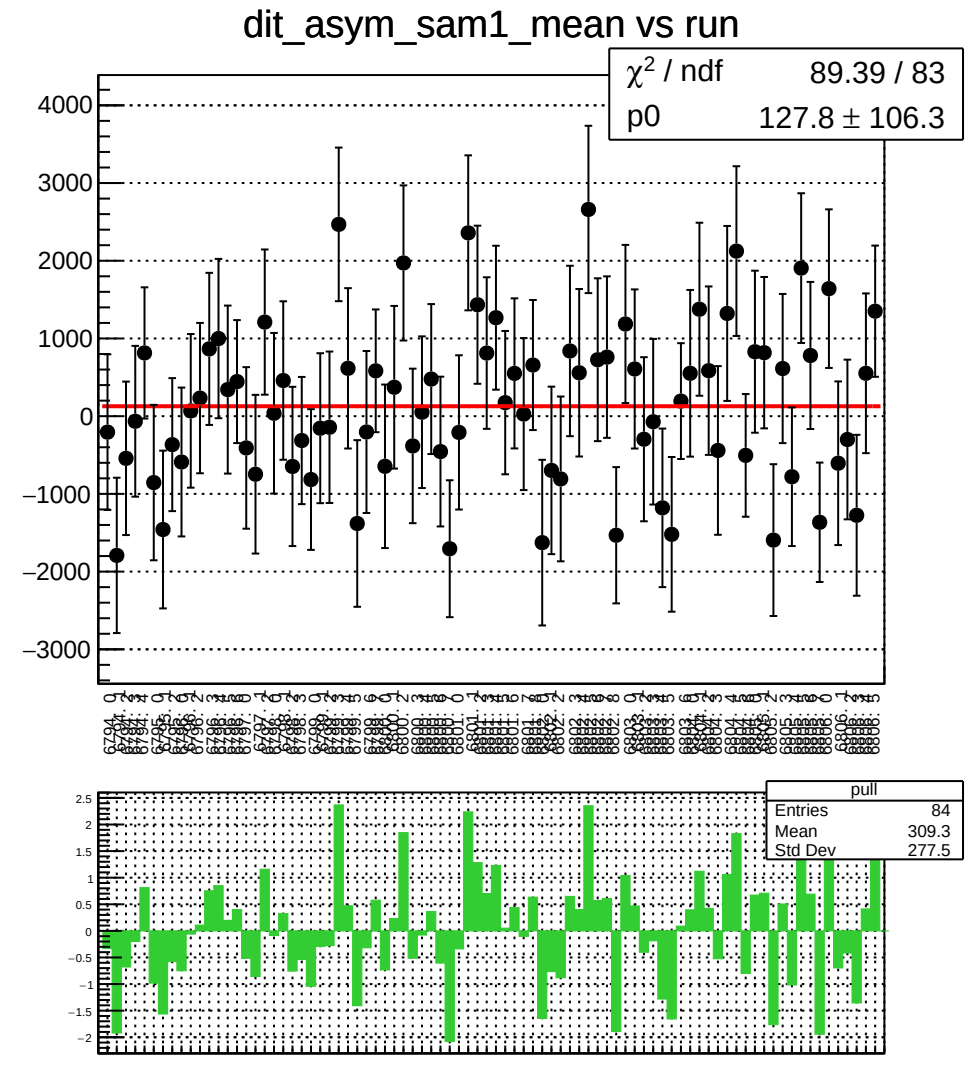

pull1D
Entries 84
Mean −0.006589
Std Dev 1.032
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

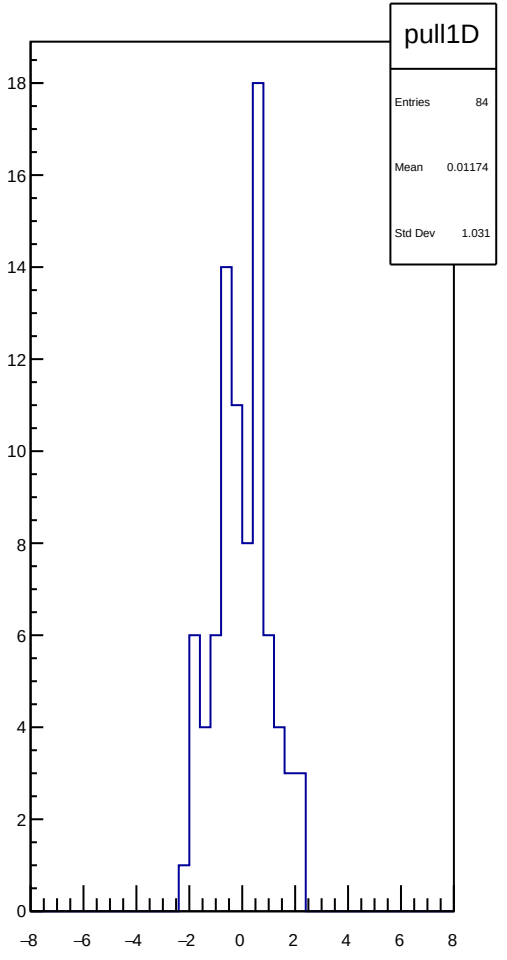

asym_atr2_correction_rms vs run
χ² / ndf 4019 / 83
p0 6976 ± 5.481
8000
7500
7000
6500
6000

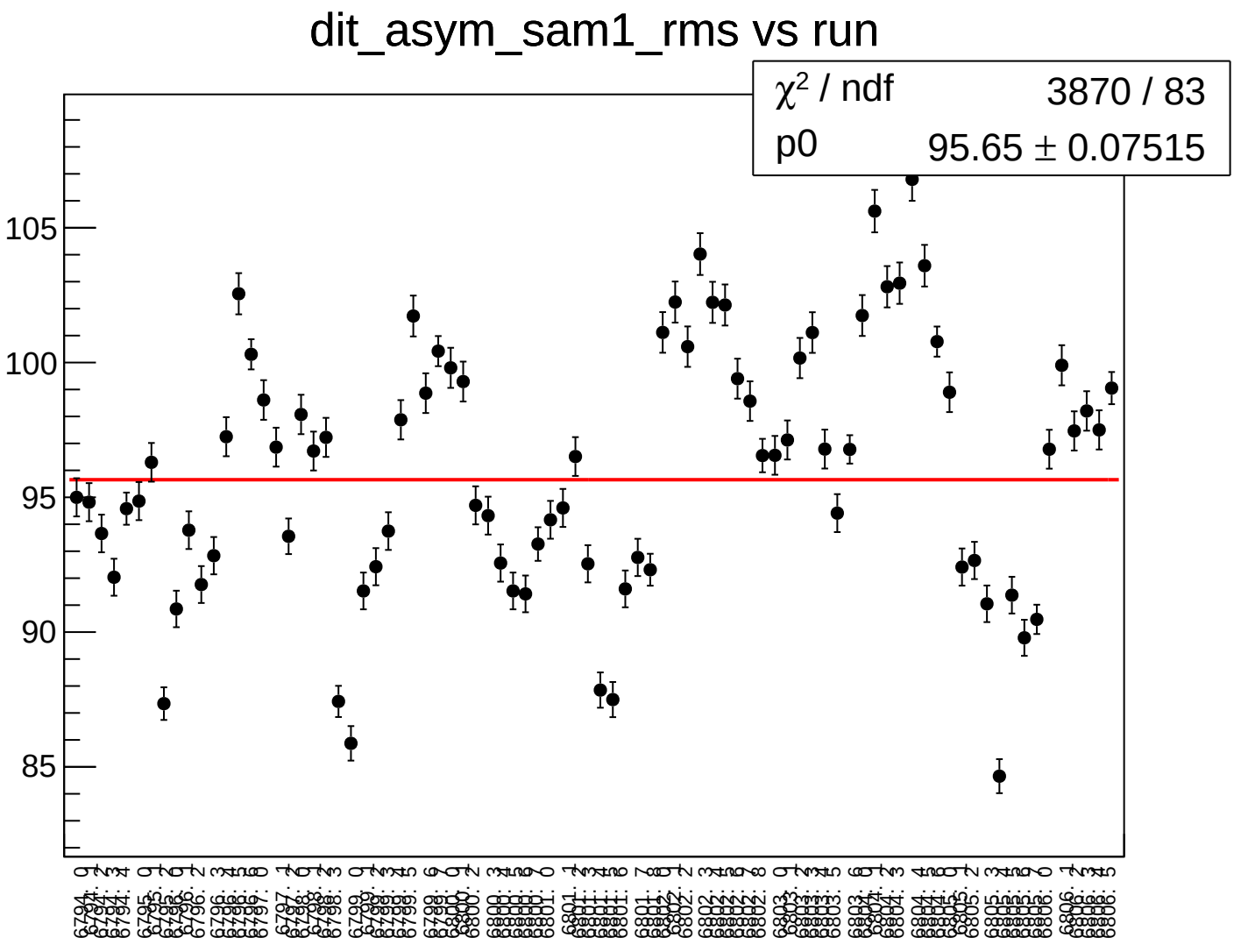

asym_atr2_mean vs run
×10^3
χ^2 / ndf 89.5 / 83
p0 6338 ± 8329
200
100
0
−100
−200
−300
pull
Entries 84
Mean −982.8
Std Dev 1039
2
1
0
−1
−2
−3

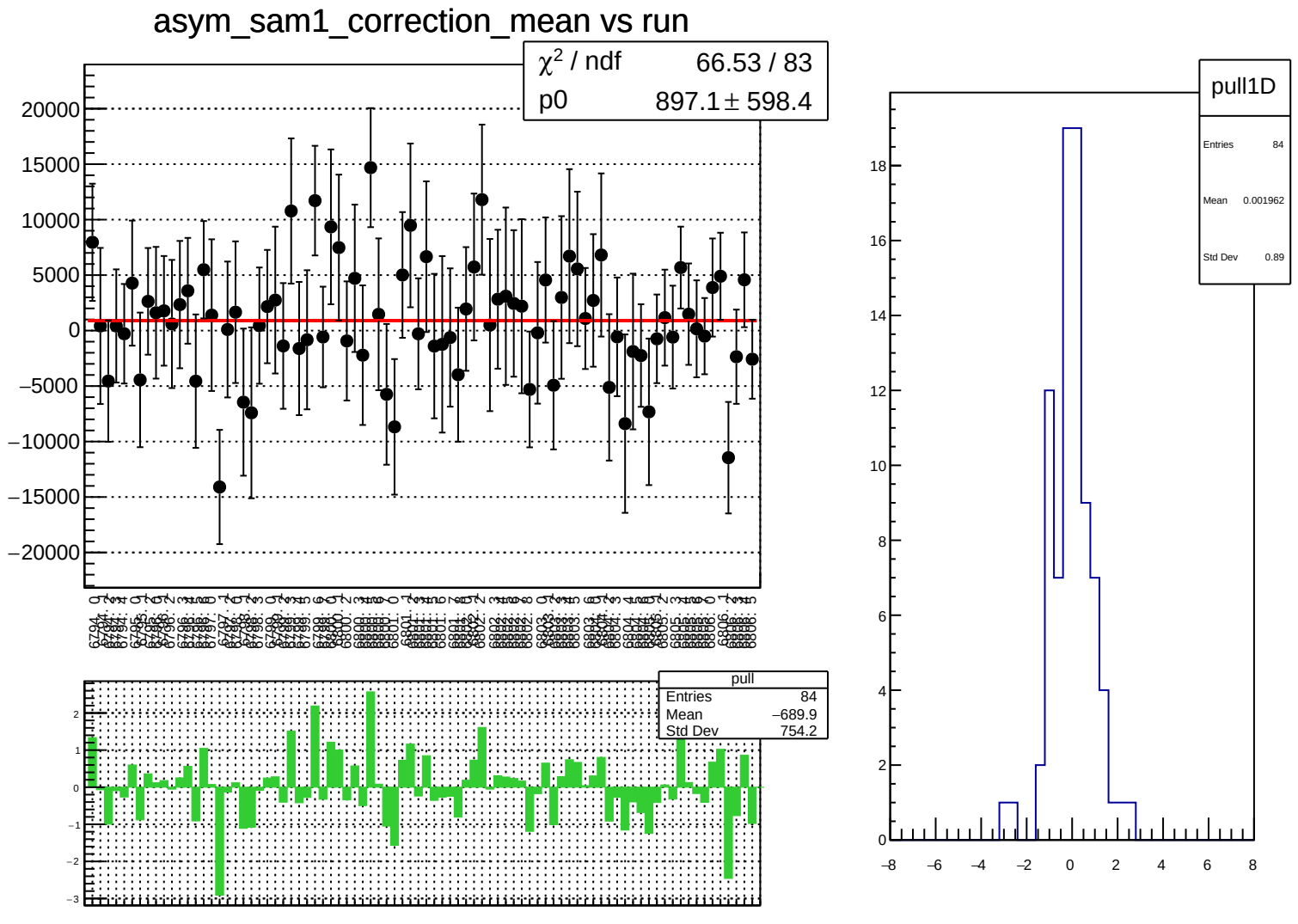

pull1D
Entries 84
Mean 0.00335
Std Dev 1.032
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

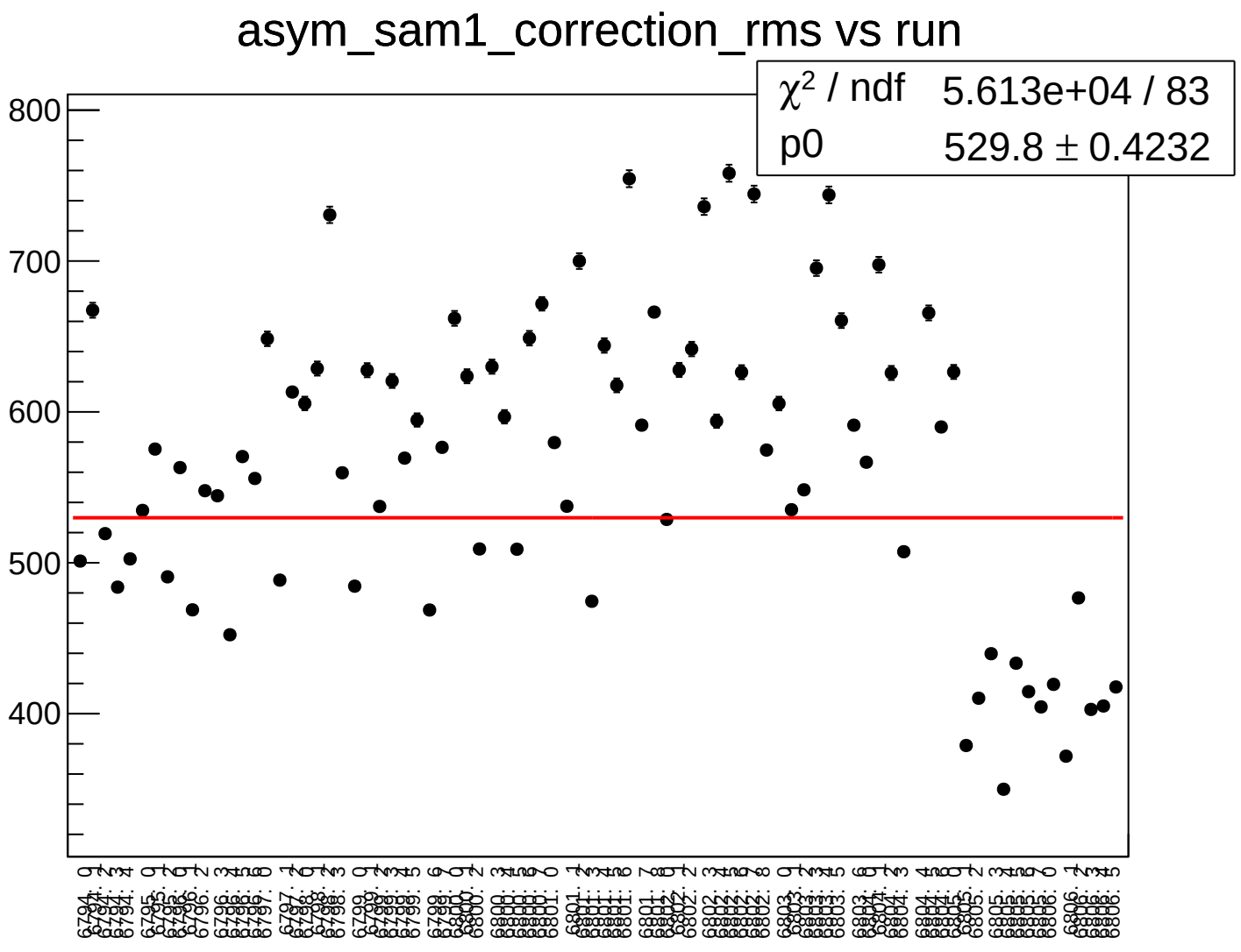

asym_atr2_rms vs run
χ² / ndf 2982 / 83
p0 7498 ± 5.89
8600
8400
8200
8000
7800
7600
7400
7200
7000
6800
6600

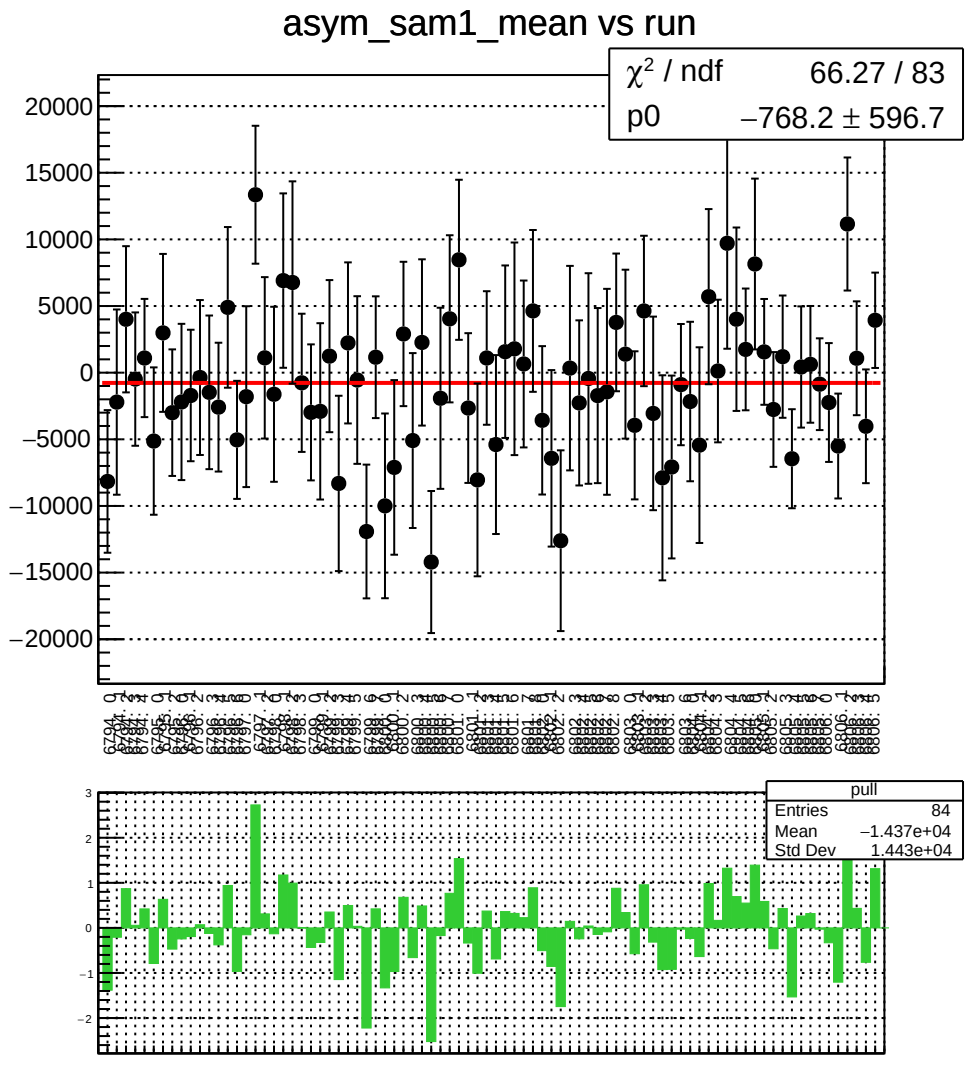

dit_asym_sam1_mean vs run
χ² / ndf 89.39 / 83
p0 127.8 ± 106.3
pull
Entries 84
Mean 309.3
Std Dev 277.5

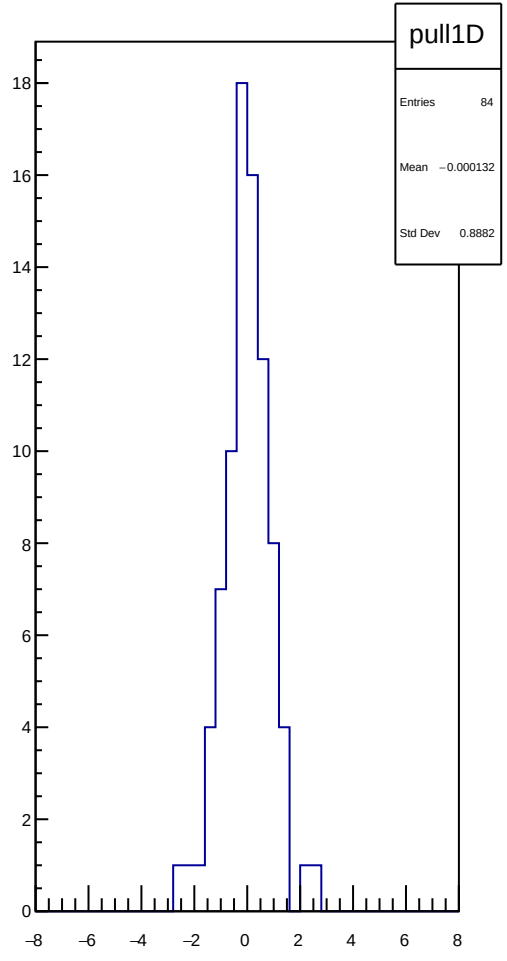

pull1D
Entries 84
Mean 0.01174
Std Dev 1.031

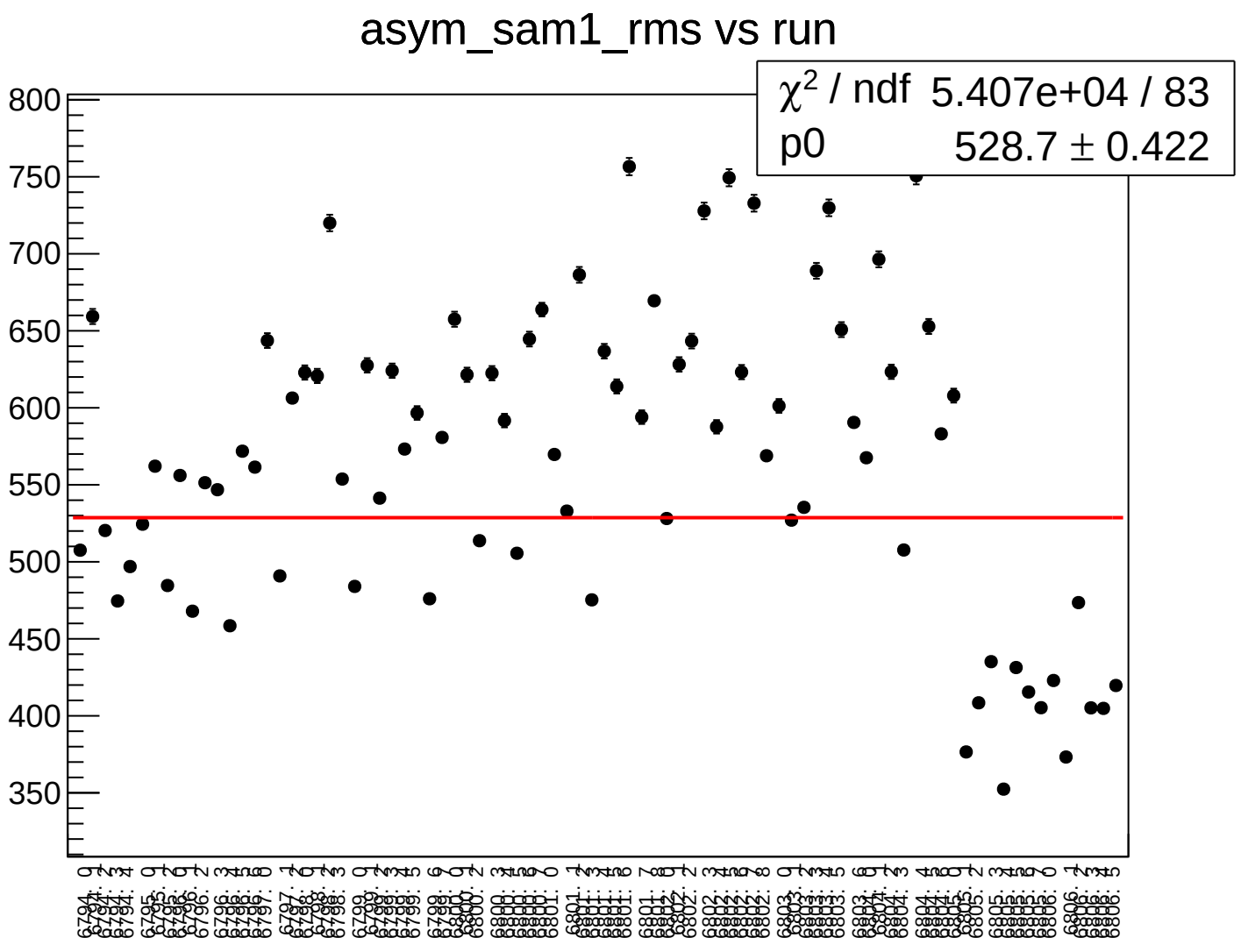

dit_asym_sam1_rms vs run
χ² / ndf 3870 / 83
p0 95.65 ± 0.07515
105
100
95
90
85

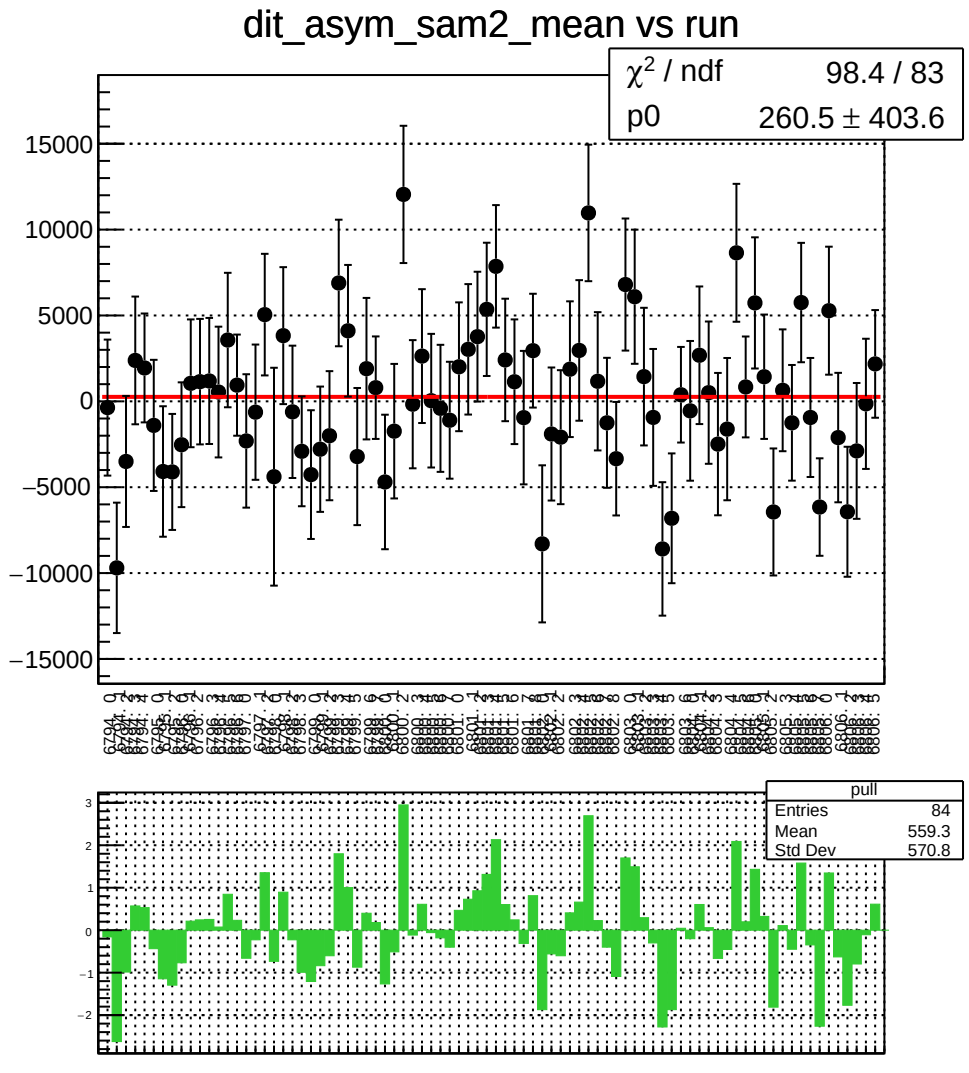

asym_sam1_correction_mean vs run
χ² / ndf 66.53 / 83
p0 897.1 ± 598.4
pull
Entries 84
Mean −689.9
Std Dev 754.2
pull1D
Entries 84
Mean 0.001962
Std Dev 0.89

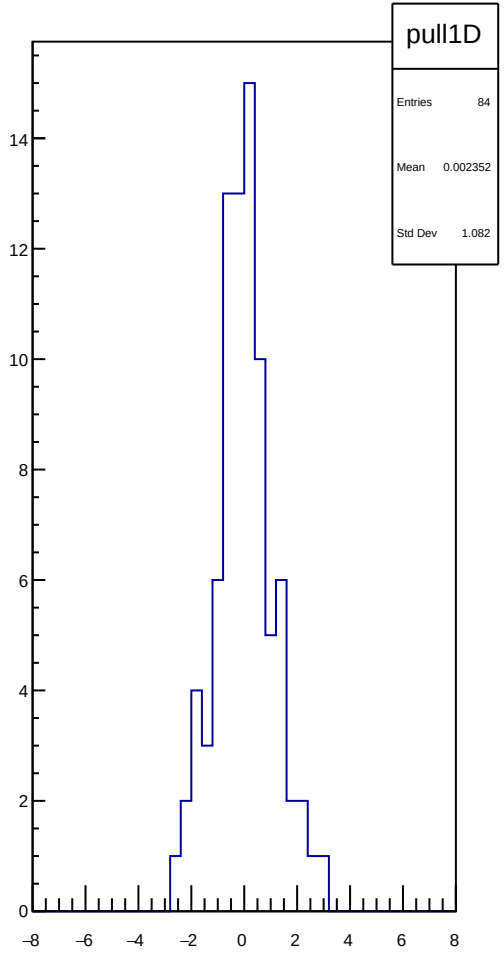

asym_sam1_correction_rms vs run
χ^2 / ndf 5.613e+04 / 83
p0 529.8 ± 0.4232
800
700
600
500
400

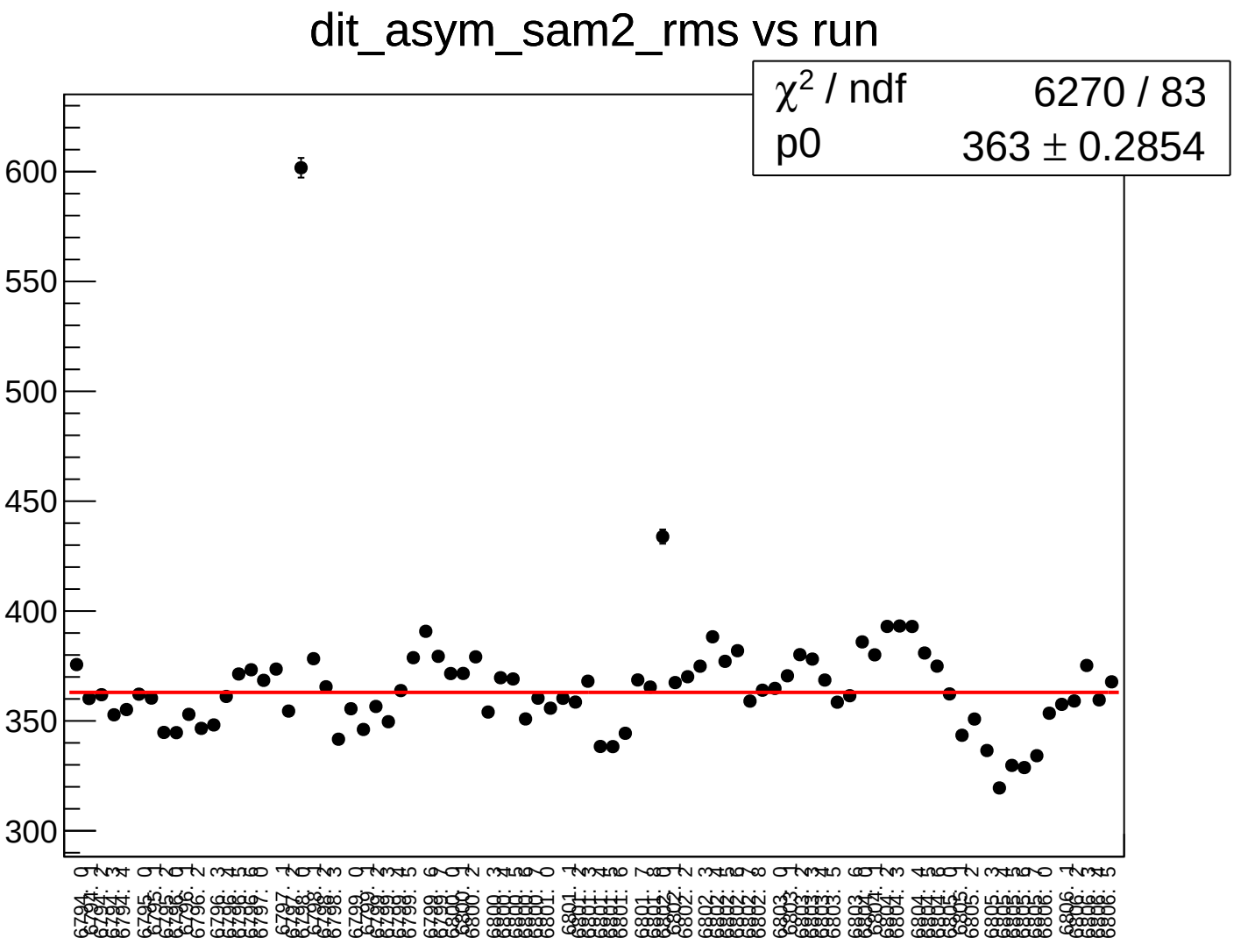

asym_sam1_mean vs run
χ² / ndf 66.27 / 83
p0 −768.2 ± 596.7
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 84
Mean −1.437e+04
Std Dev 1.443e+04
3
2
1
0
−1
−2

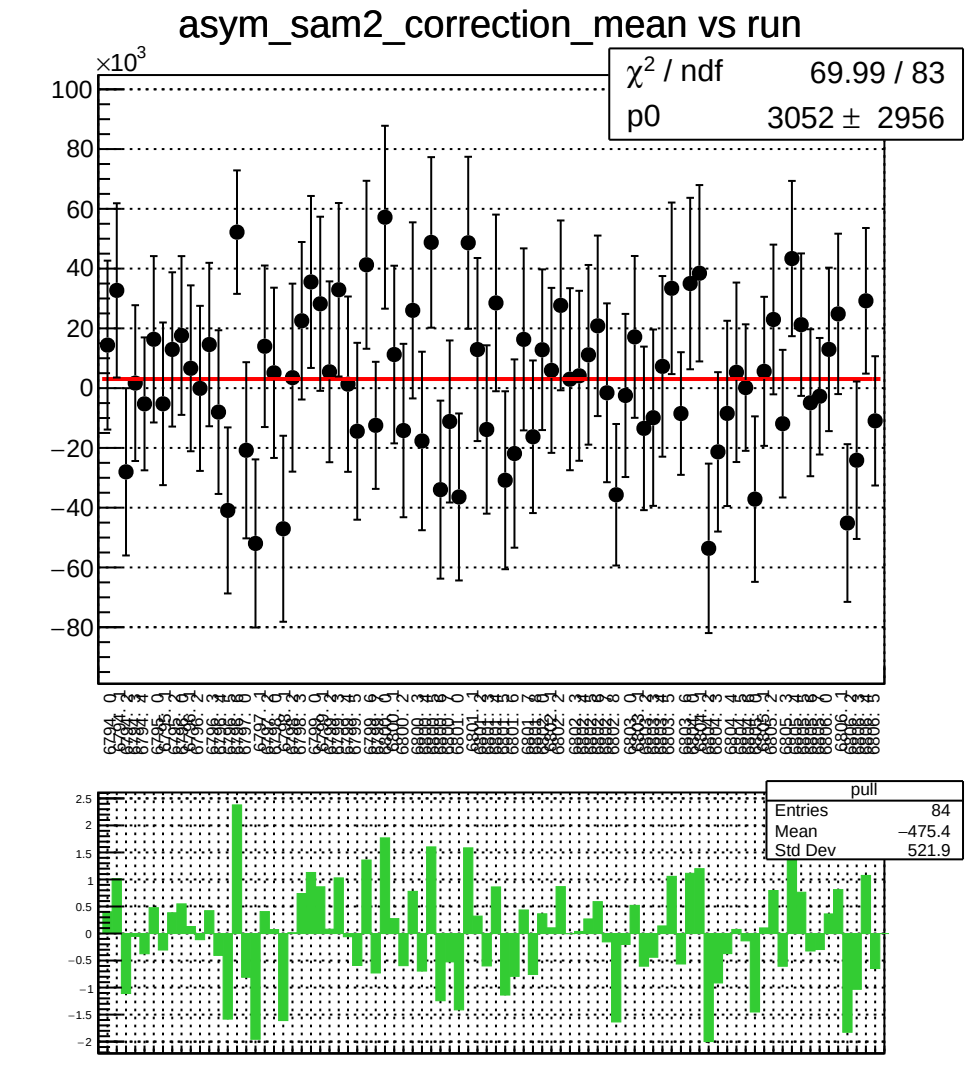

pull1D
Entries 84
Mean −0.000132
Std Dev 0.8882
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

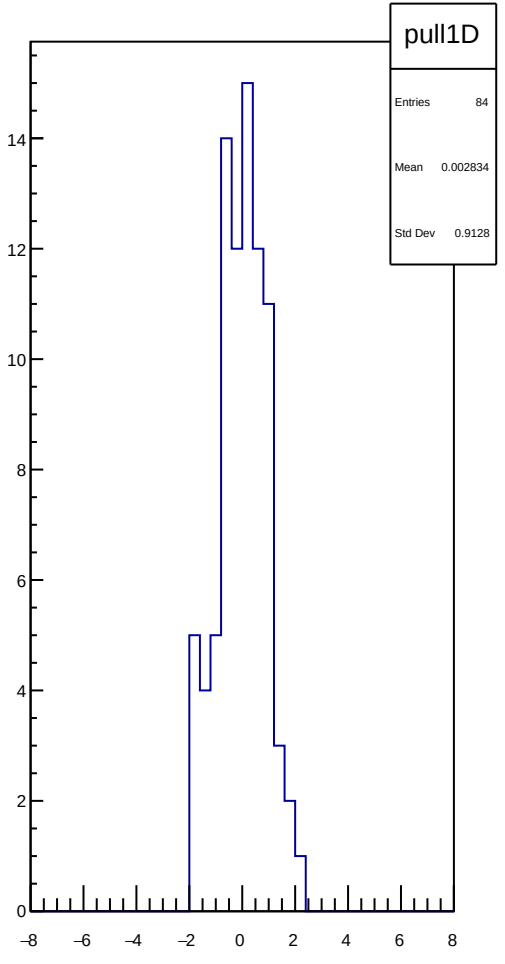

asym_sam1_rms vs run
χ² / ndf 5.407e+04 / 83
p0 528.7 ± 0.422
800
750
700
650
600
550
500
450
400
350

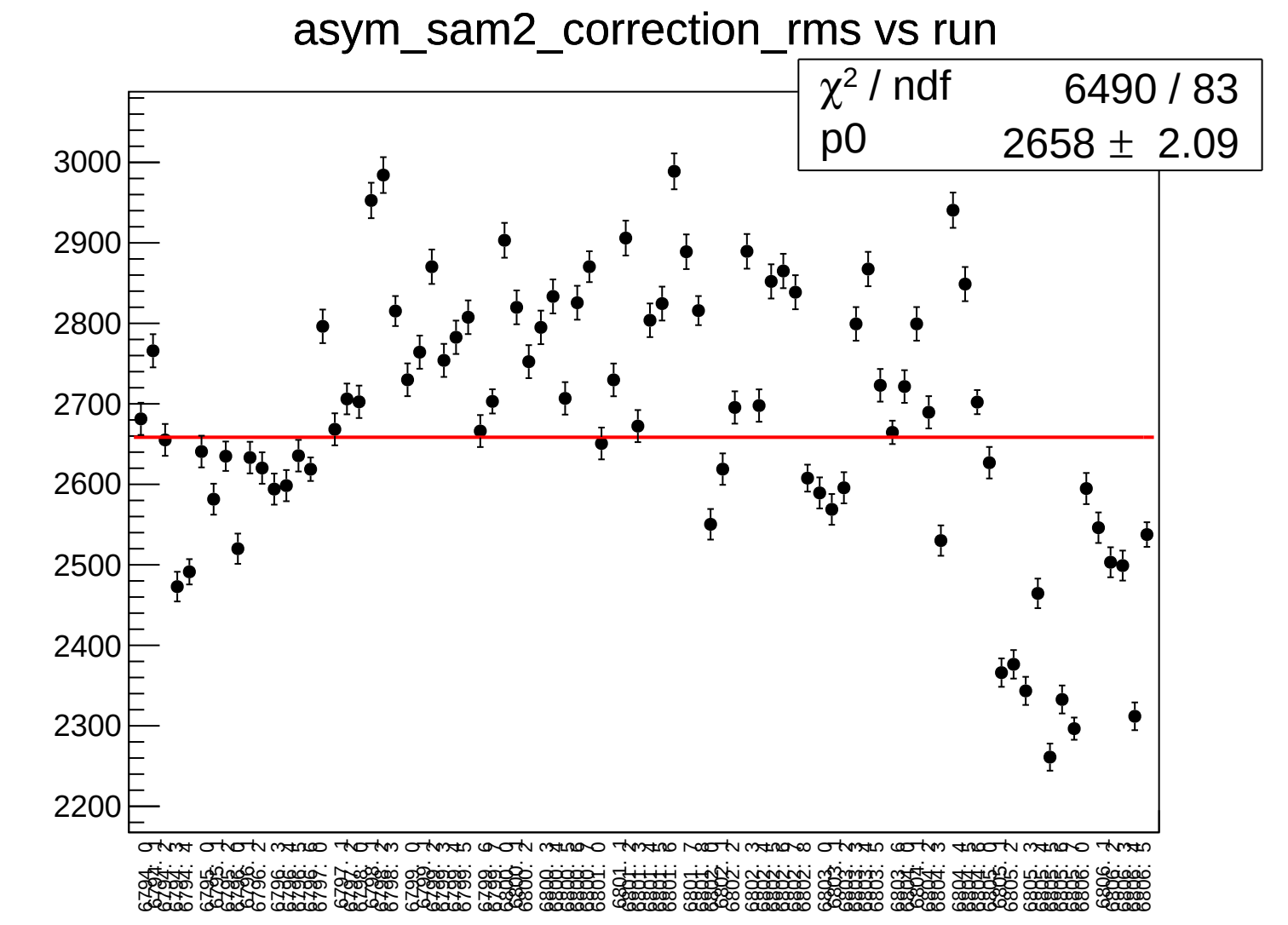

dit_asym_sam2_mean vs run
χ² / ndf 98.4 / 83
p0 260.5 ± 403.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean 559.3
Std Dev 570.8
3
2
1
0
−1
−2

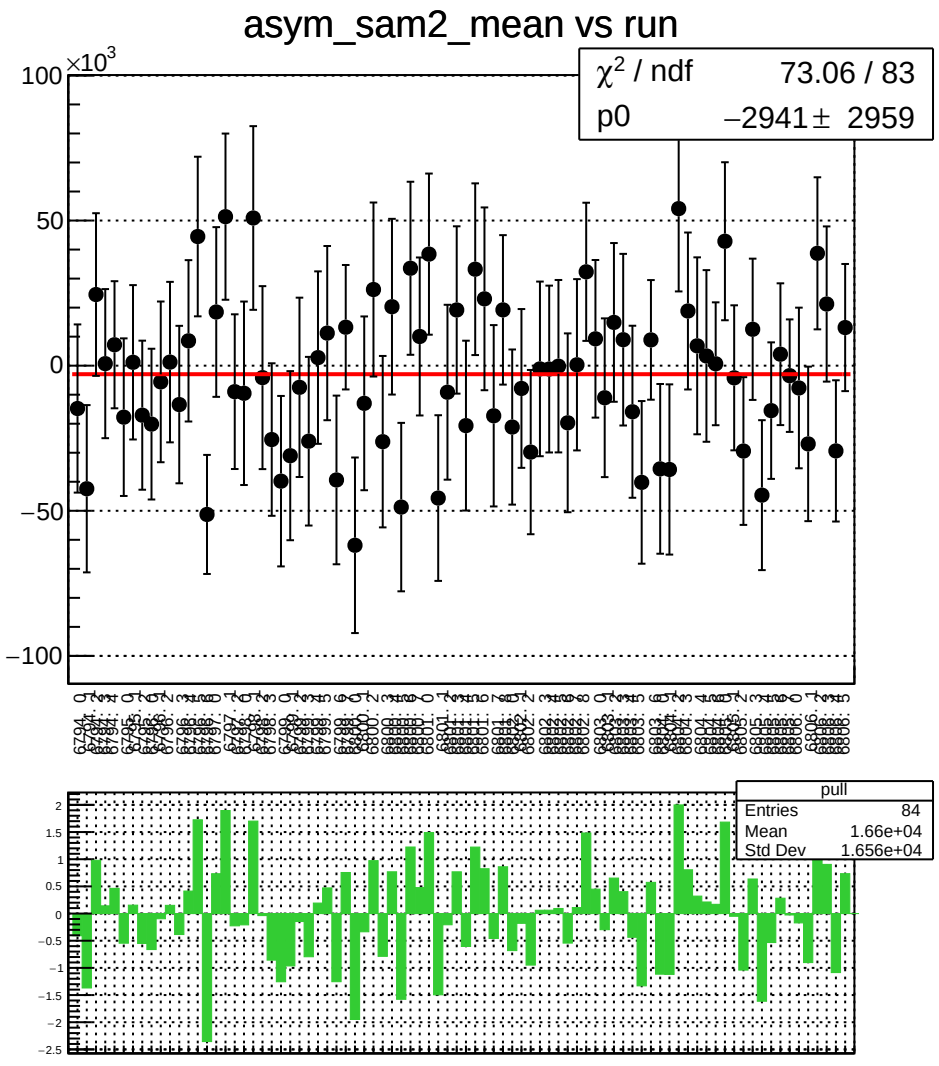

pull1D
Entries 84
Mean 0.002352
Std Dev 1.082
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

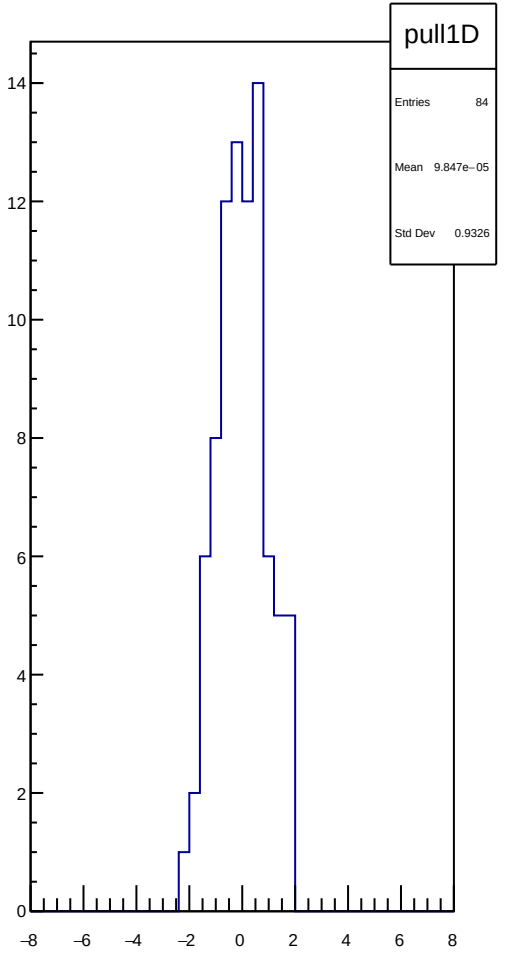

dit_asym_sam2_rms vs run
χ^2 / ndf 6270 / 83
p0 363 ± 0.2854
600
550
500
450
400
350
300

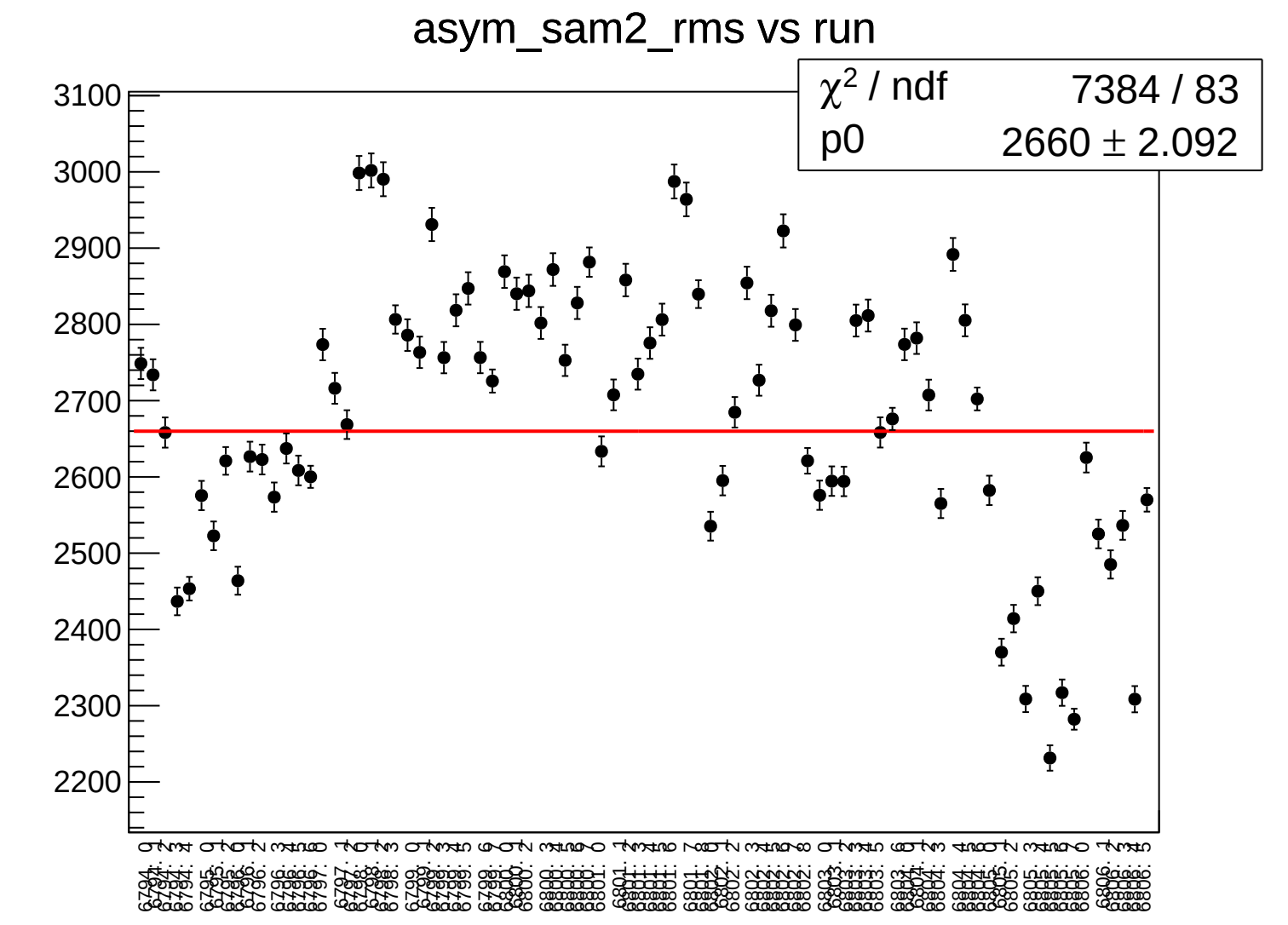

asym_sam2_correction_mean vs run
×10^3
χ² / ndf 69.99 / 83
p0 3052 ± 2956
pull
Entries 84
Mean −475.4
Std Dev 521.9

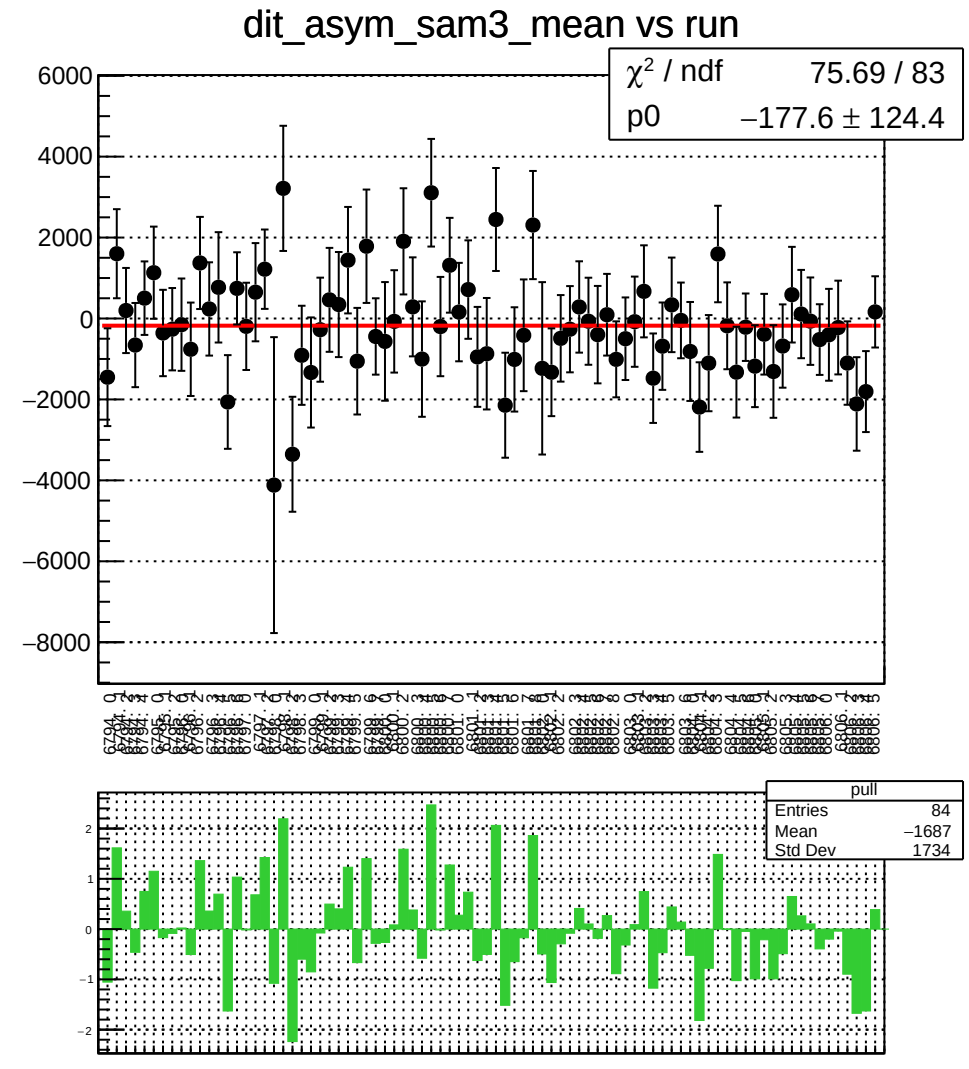

pull1D
Entries 84
Mean 0.002834
Std Dev 0.9128

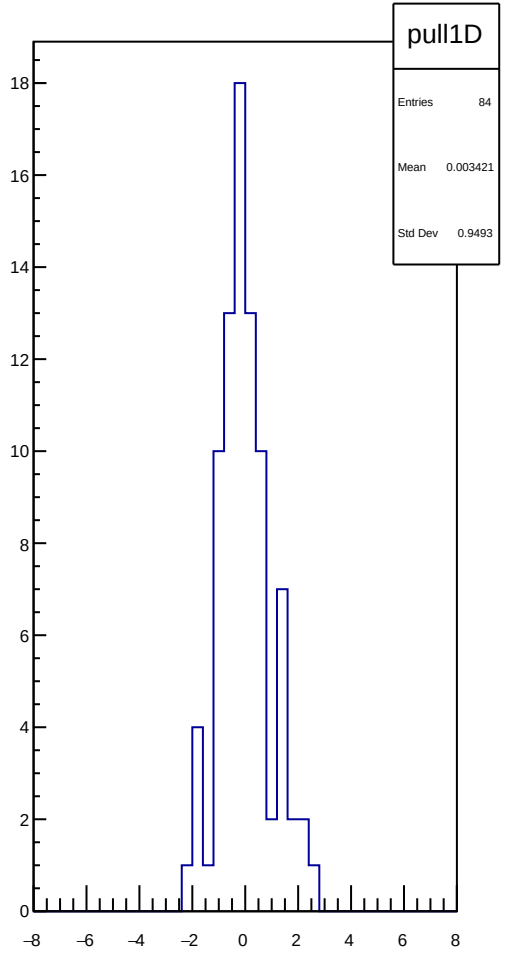

asym_sam2_correction_rms vs run
χ² / ndf 6490 / 83
p0 2658 ± 2.09
3000
2900
2800
2700
2600
2500
2400
2300
2200

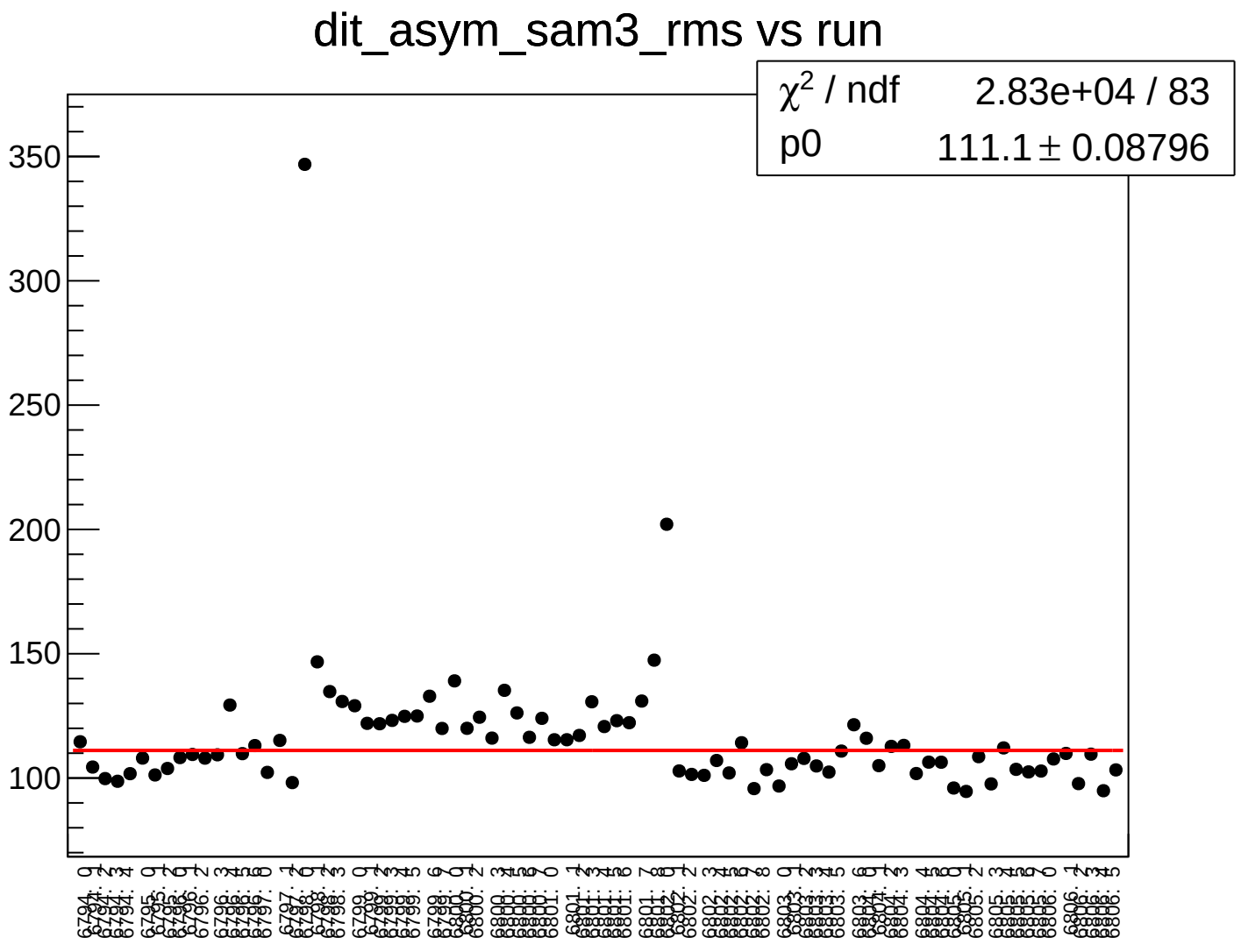

asym_sam2_mean vs run
χ² / ndf 73.06 / 83
p0 −2941 ± 2959
×10³
100
50
0
−50
−100
pull
Entries 84
Mean 1.66e+04
Std Dev 1.656e+04
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

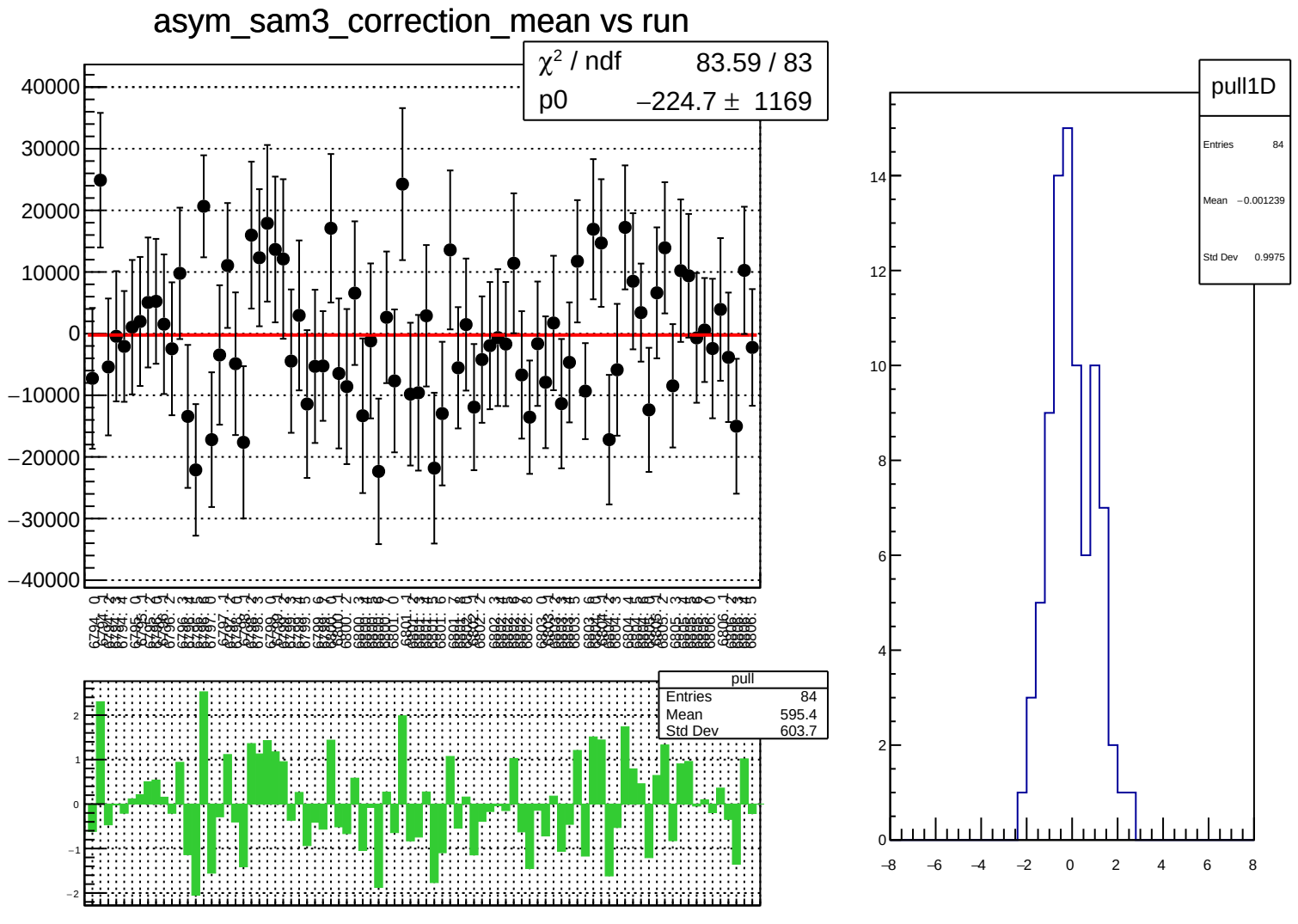

pull1D
Entries 84
Mean 9.847e−05
Std Dev 0.9326
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

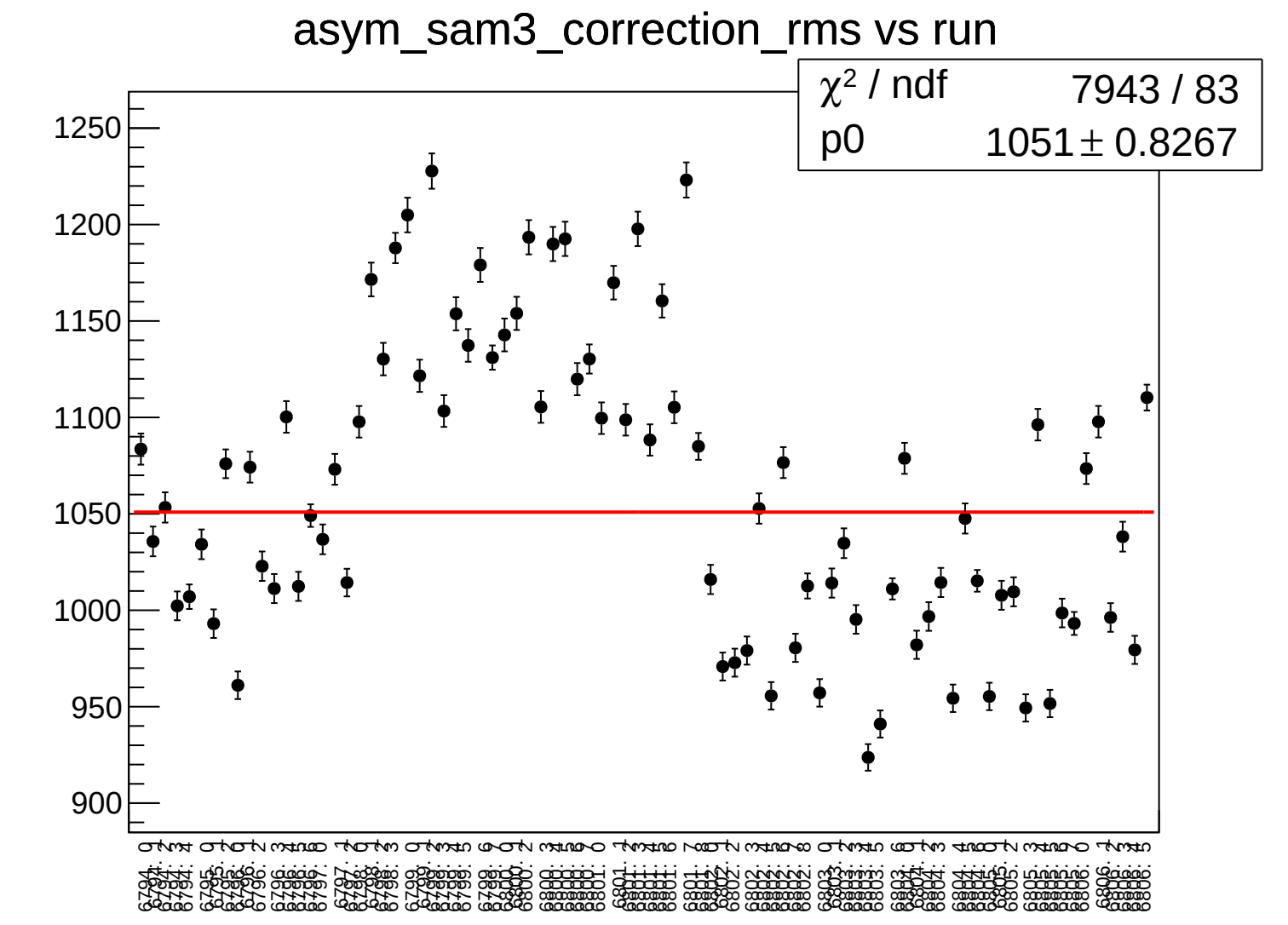

asym_sam2_rms vs run
χ^2 / ndf 7384 / 83
p0 2660 ± 2.092
3100
3000
2900
2800
2700
2600
2500
2400
2300
2200

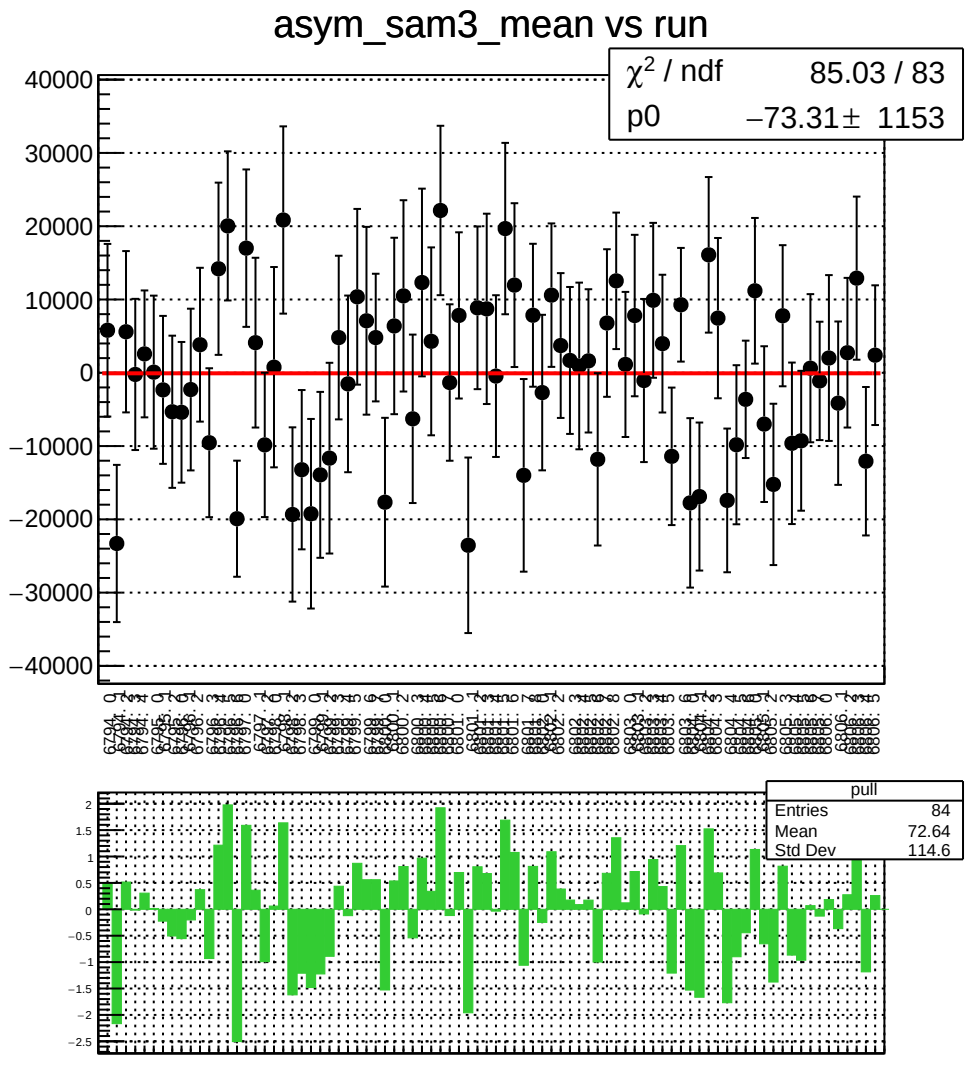

dit_asym_sam3_mean vs run
χ² / ndf 75.69 / 83
p0 −177.6 ± 124.4
pull
Entries 84
Mean −1687
Std Dev 1734

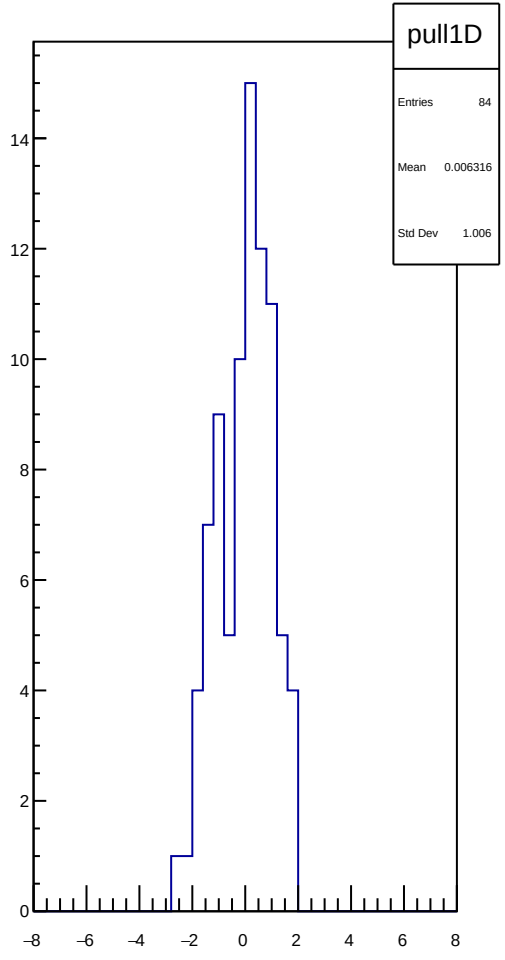

pull1D
Entries 84
Mean 0.003421
Std Dev 0.9493

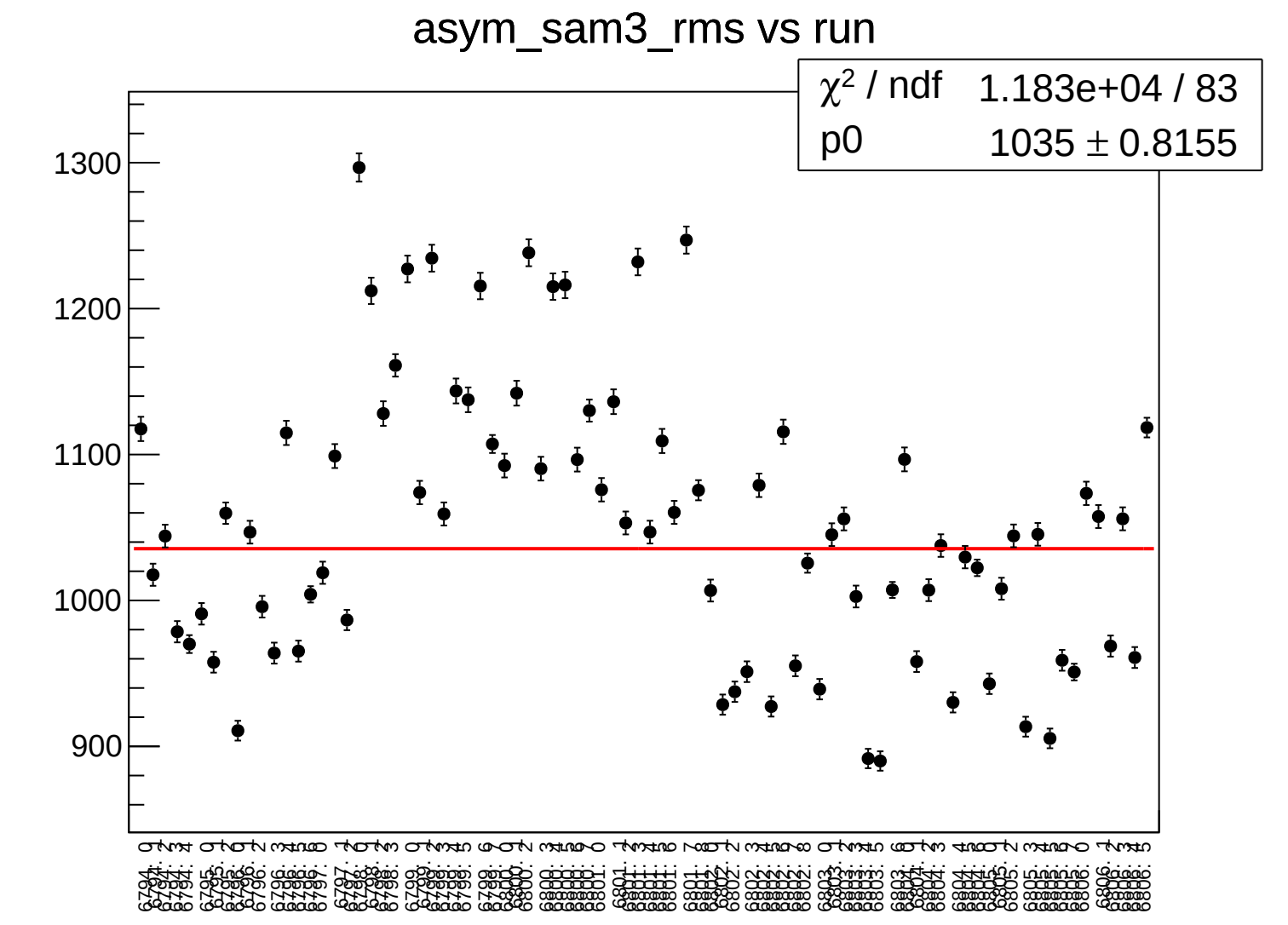

dit_asym_sam3_rms vs run
χ^2 / ndf 2.83e+04 / 83
p0 111.1 ± 0.08796
350
300
250
200
150
100

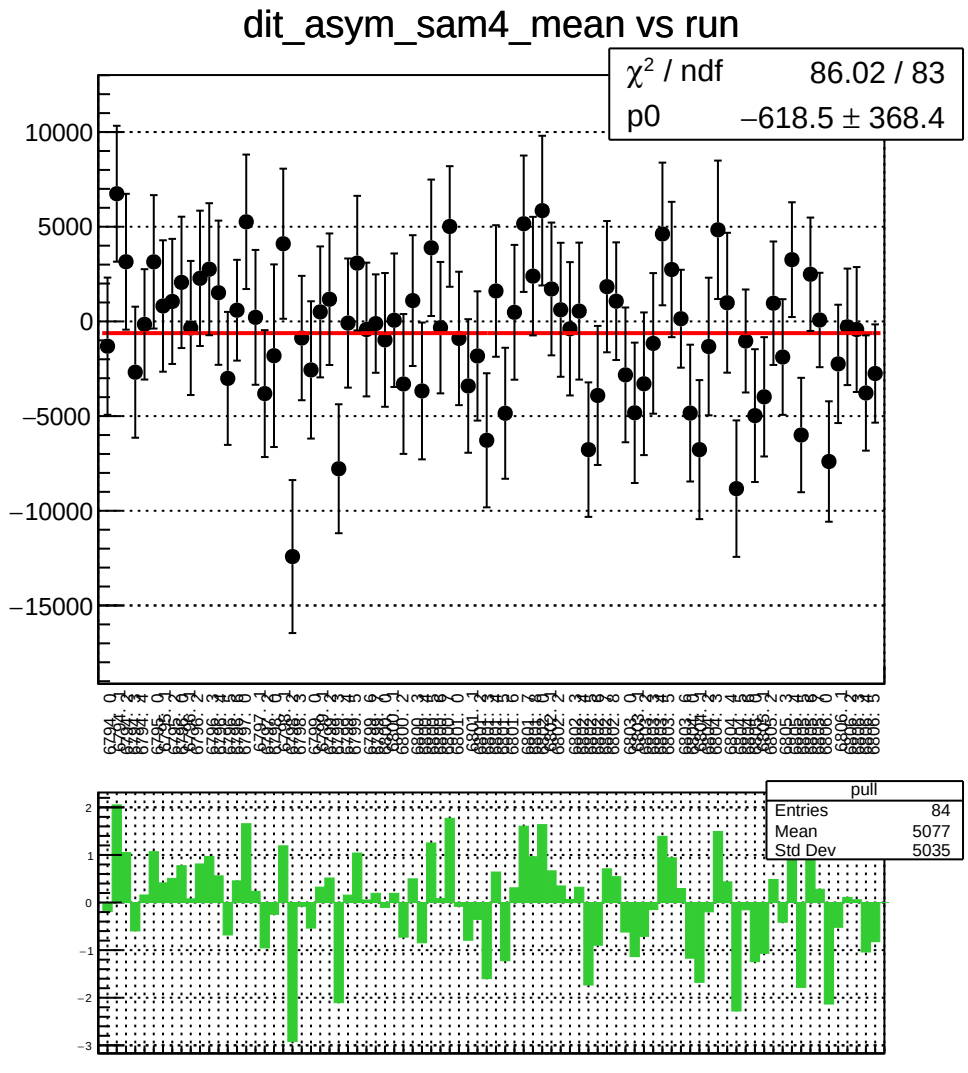

asym_sam3_correction_mean vs run
χ² / ndf 83.59 / 83
p0 −224.7 ± 1169
pull
Entries 84
Mean 595.4
Std Dev 603.7
pull1D
Entries 84
Mean −0.001239
Std Dev 0.9975

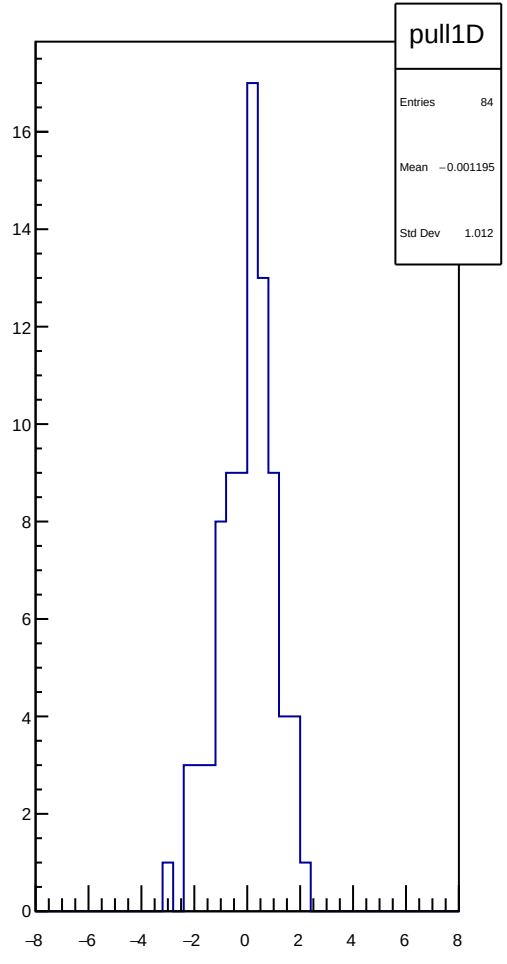

asym_sam3_correction_rms vs run
χ² / ndf 7943 / 83
p0 1051 ± 0.8267
1250
1200
1150
1100
1050
1000
950
900

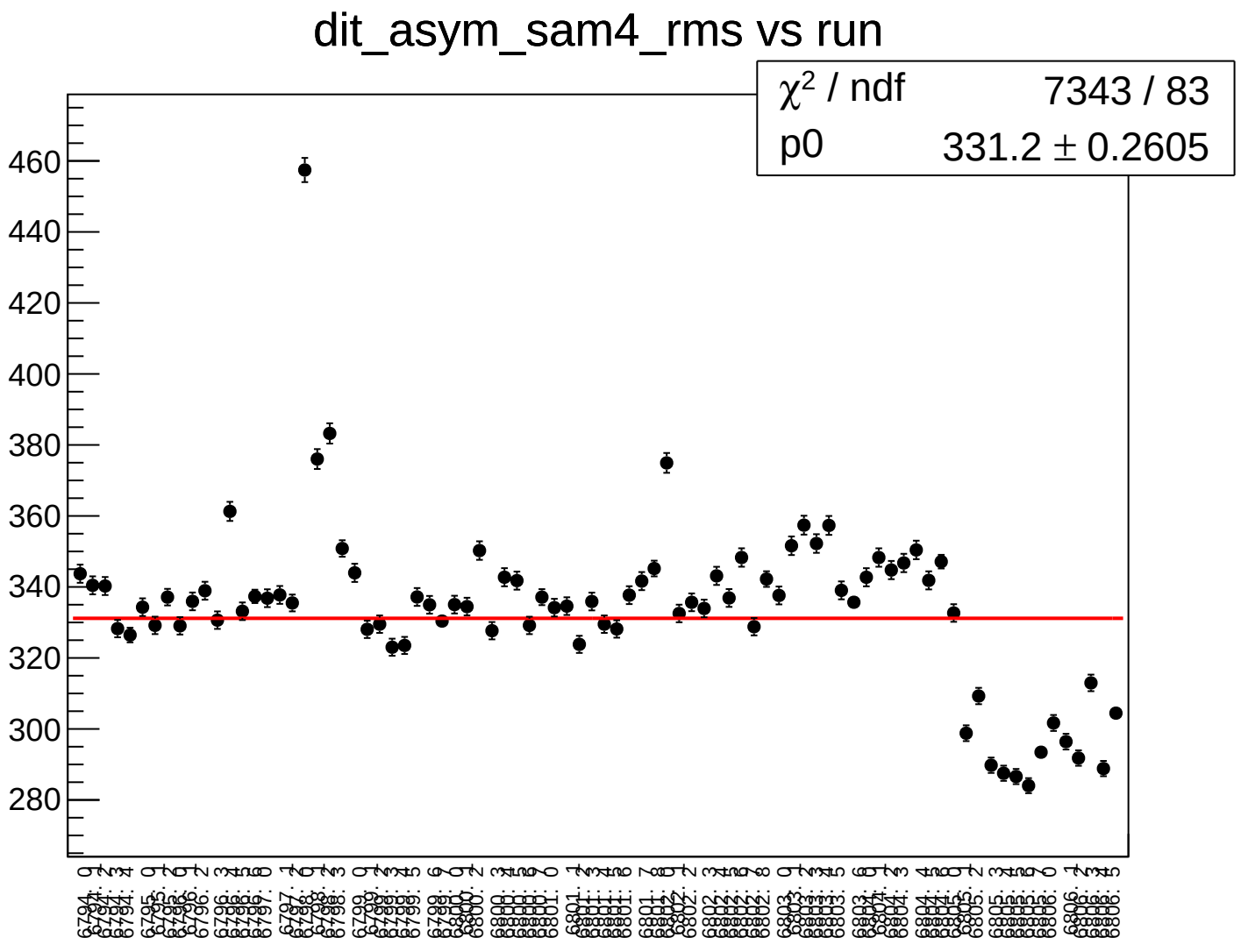

asym_sam3_mean vs run
χ² / ndf 85.03 / 83
p0 −73.31± 1153
pull
Entries 84
Mean 72.64
Std Dev 114.6

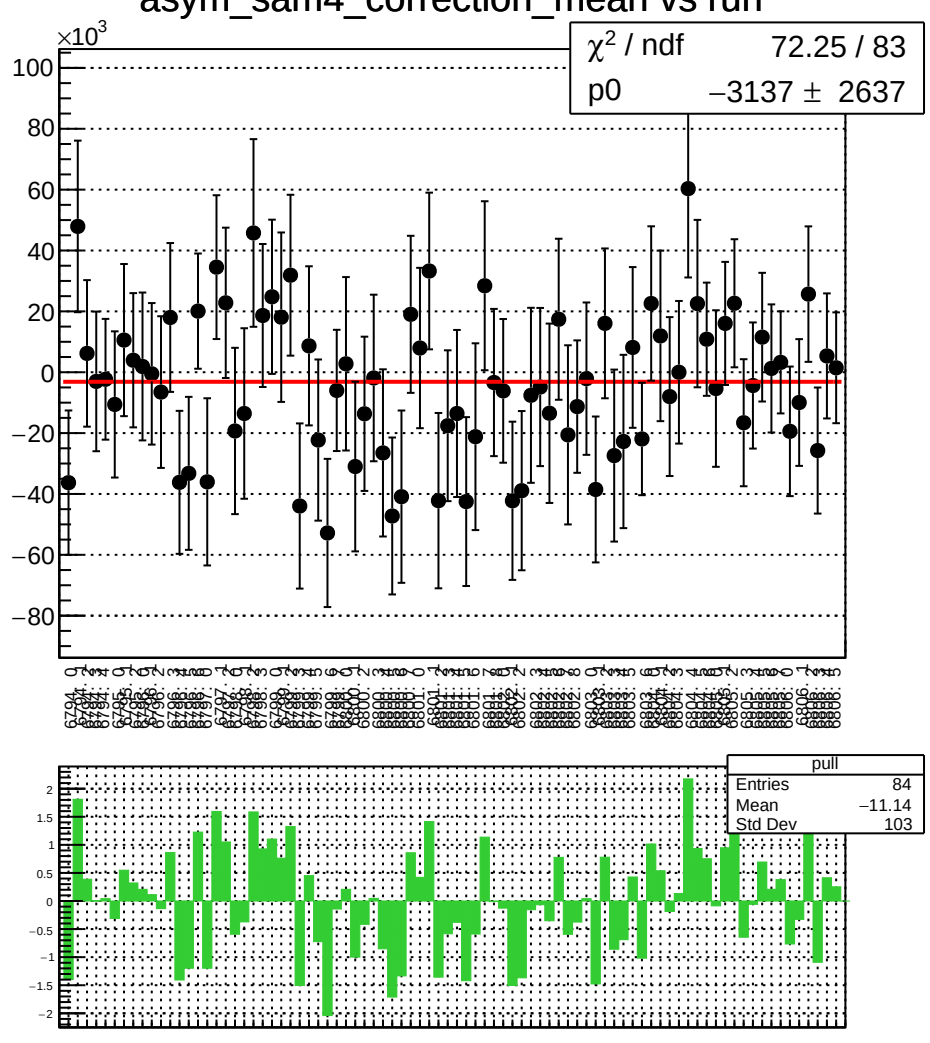

pull1D
Entries 84
Mean 0.006316
Std Dev 1.006

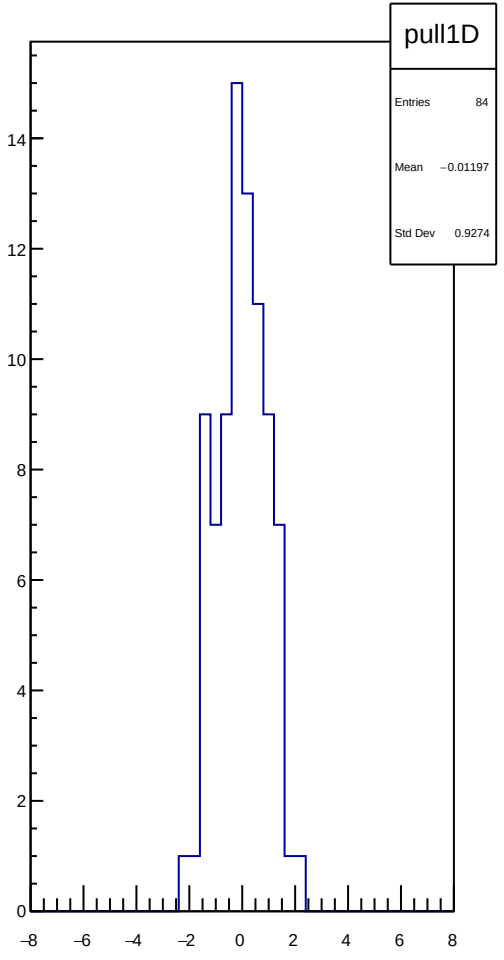

asym_sam3_rms vs run
χ^2 / ndf 1.183e+04 / 83
p0 1035 ± 0.8155
1300
1200
1100
1000
900

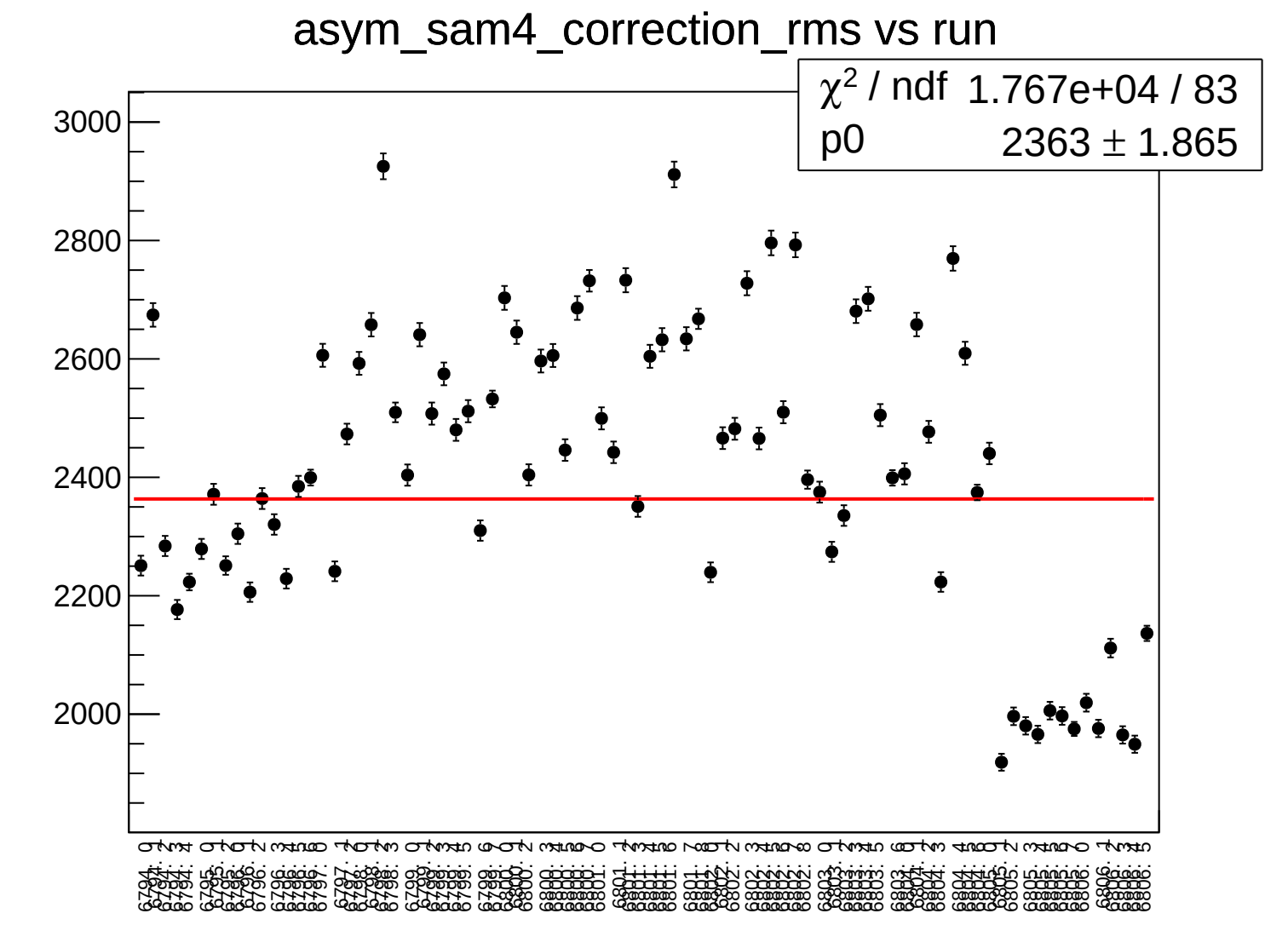

dit_asym_sam4_mean vs run
χ² / ndf 86.02 / 83
p0 −618.5 ± 368.4
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean 5077
Std Dev 5035
2
1
0
−1
−2
−3

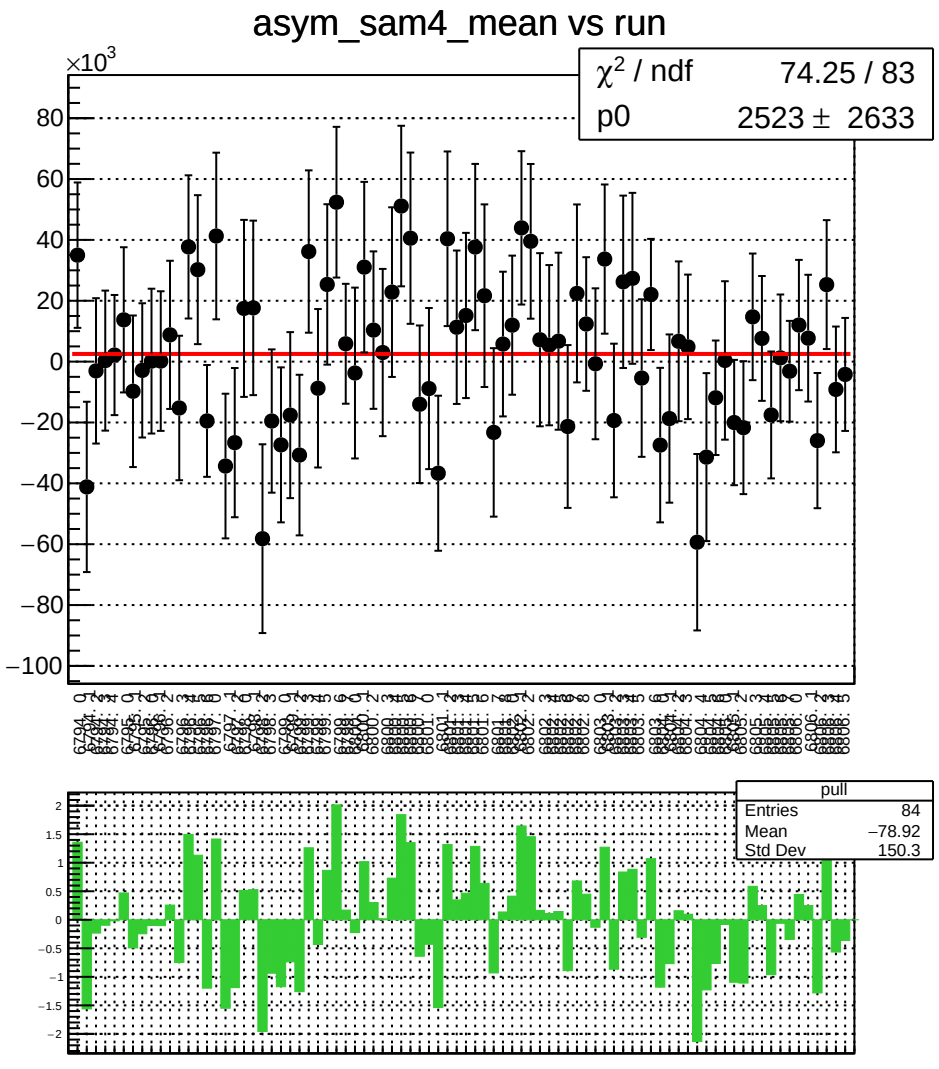

pull1D
Entries 84
Mean −0.001195
Std Dev 1.012
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

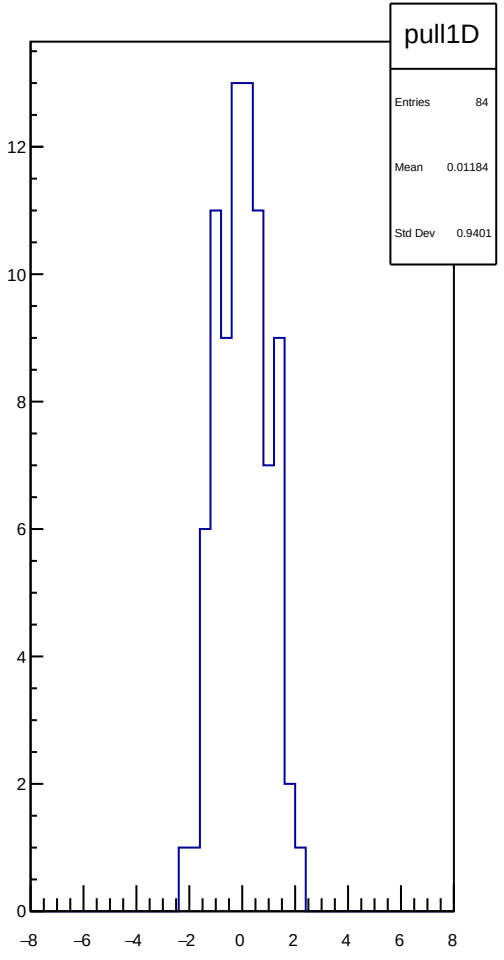

dit_asym_sam4_rms vs run
χ^2 / ndf 7343 / 83
p0 331.2 ± 0.2605
460
440
420
400
380
360
340
320
300
280

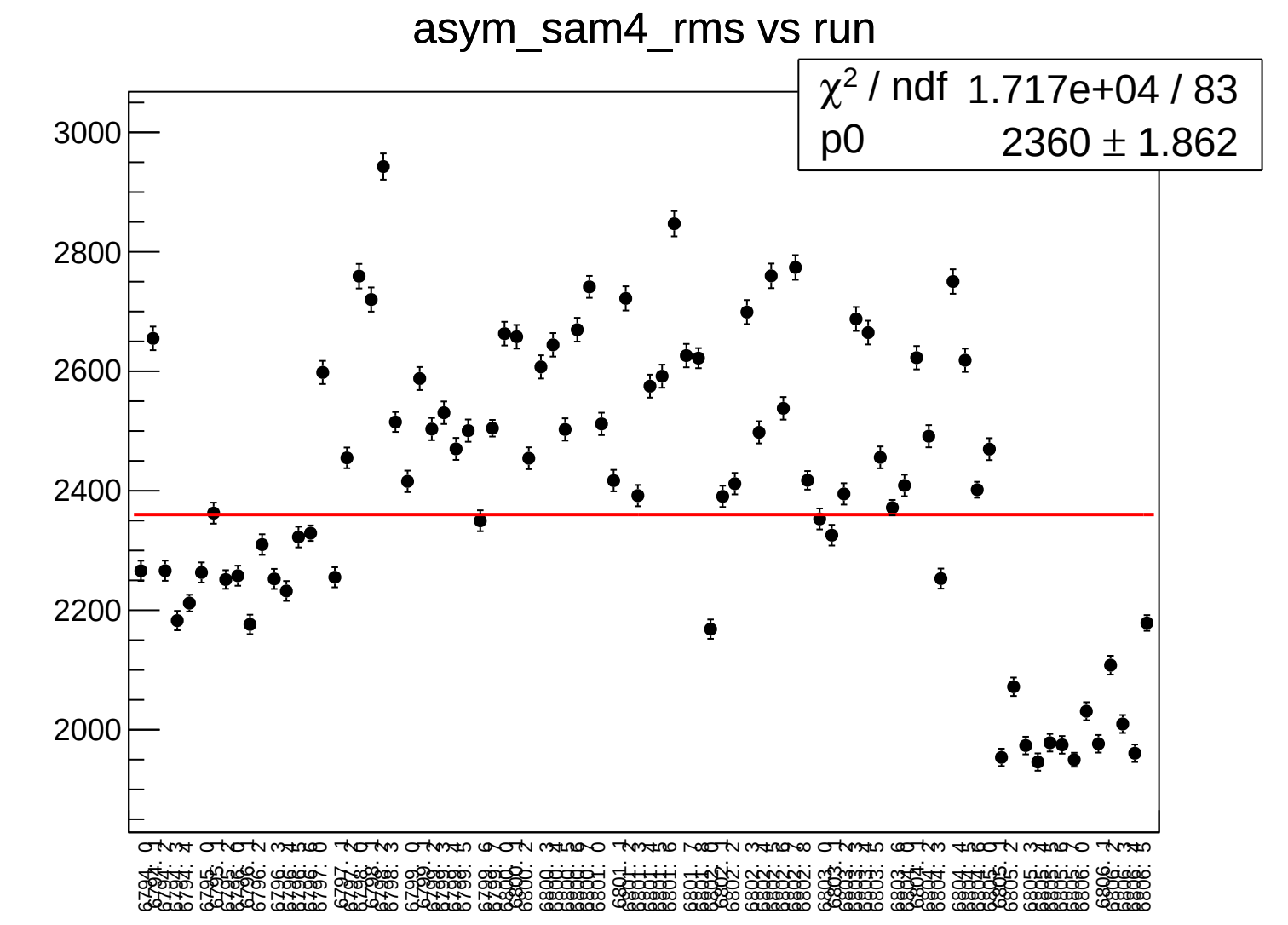

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 72.25 / 83
p0 −3137 ± 2637
pull
Entries 84
Mean −11.14
Std Dev 103

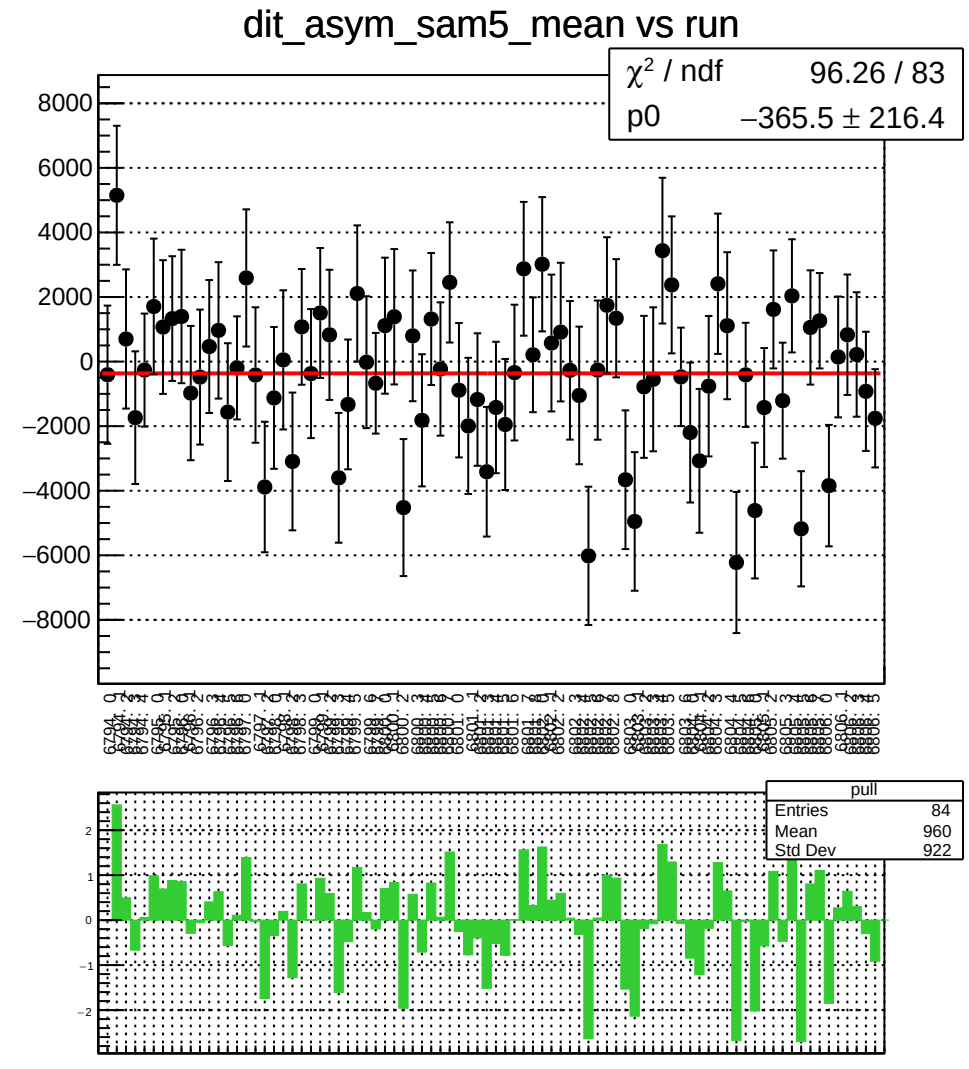

pull1D
Entries 84
Mean −0.01197
Std Dev 0.9274

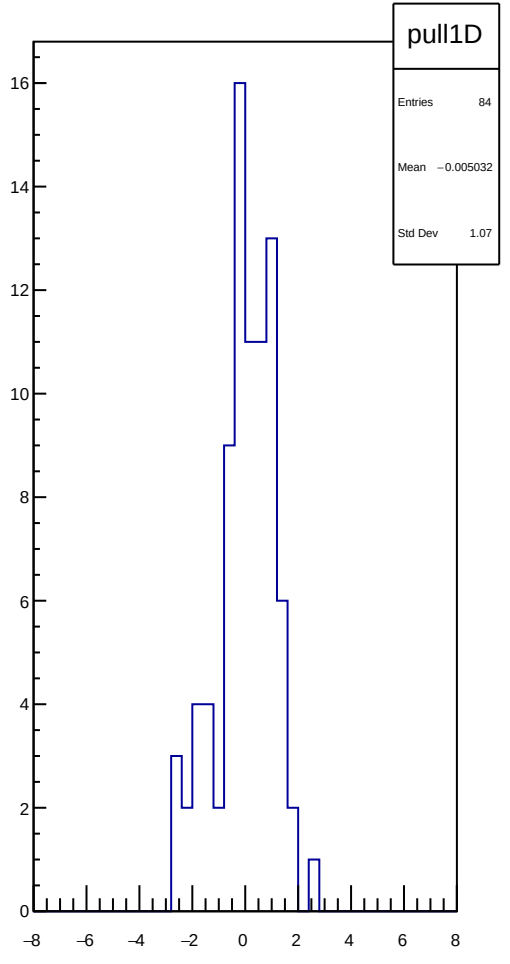

asym_sam4_correction_rms vs run
χ² / ndf 1.767e+04 / 83
p0 2363 ± 1.865
3000
2800
2600
2400
2200
2000

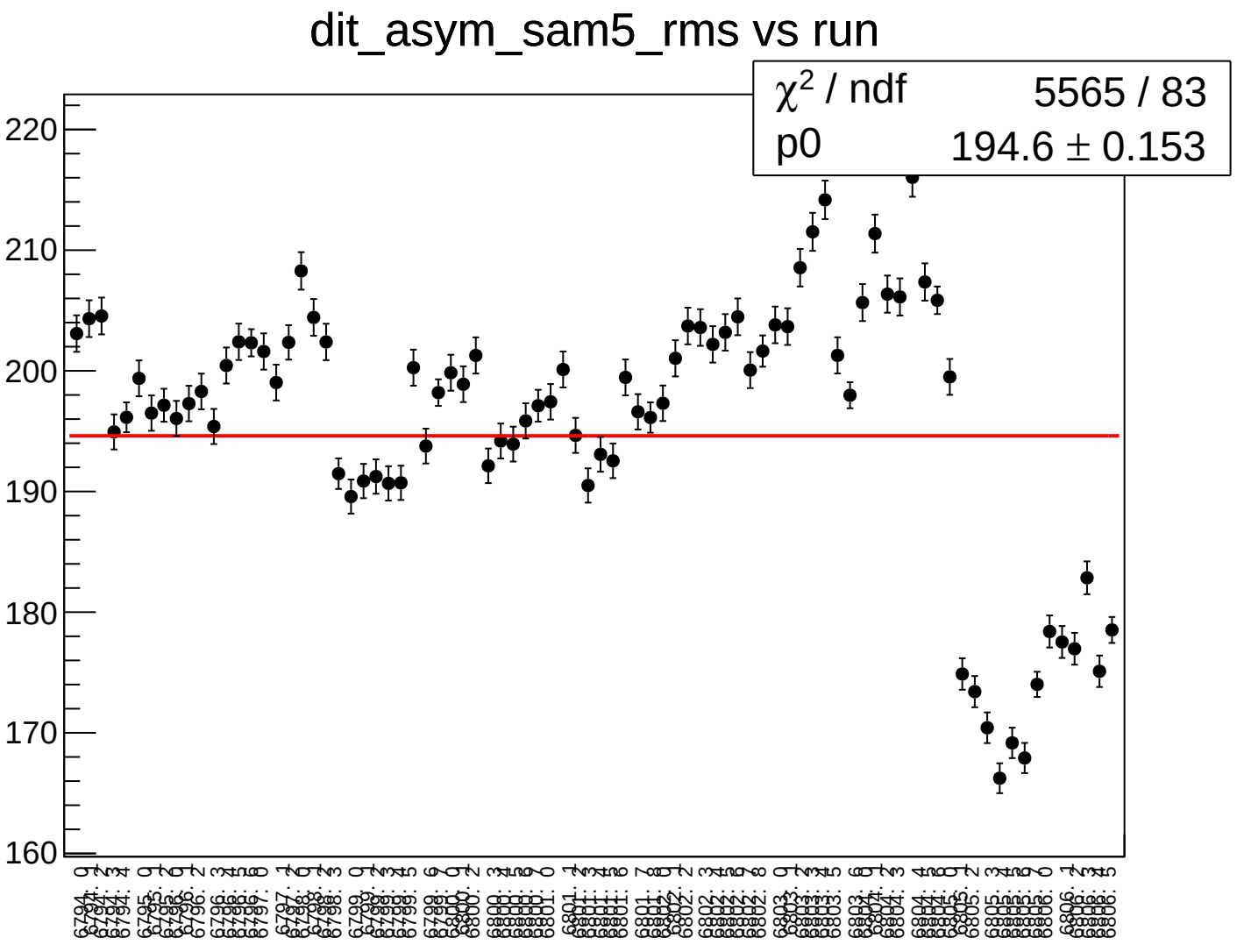

asym_sam4_mean vs run
×10^3
χ^2 / ndf 74.25 / 83
p0 2523 ± 2633
pull
Entries 84
Mean −78.92
Std Dev 150.3

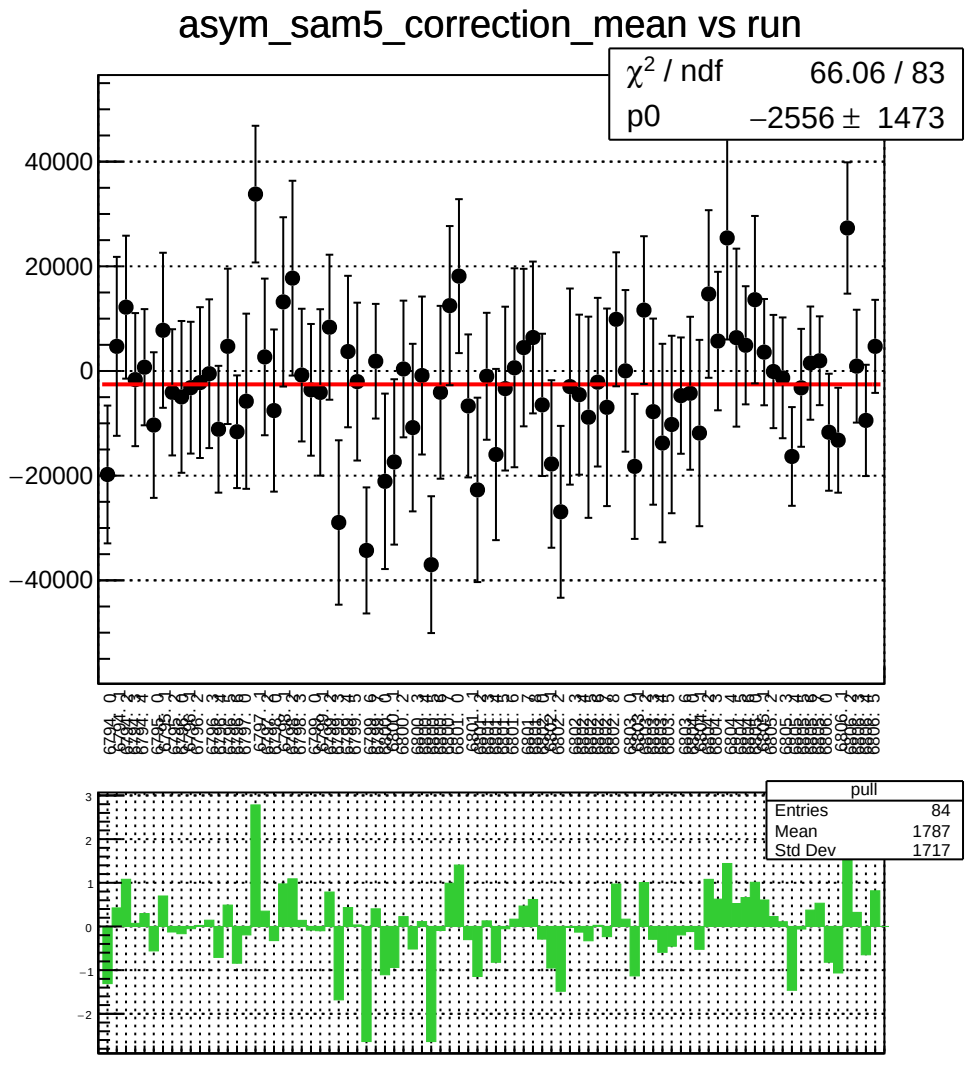

pull1D
Entries 84
Mean 0.01184
Std Dev 0.9401

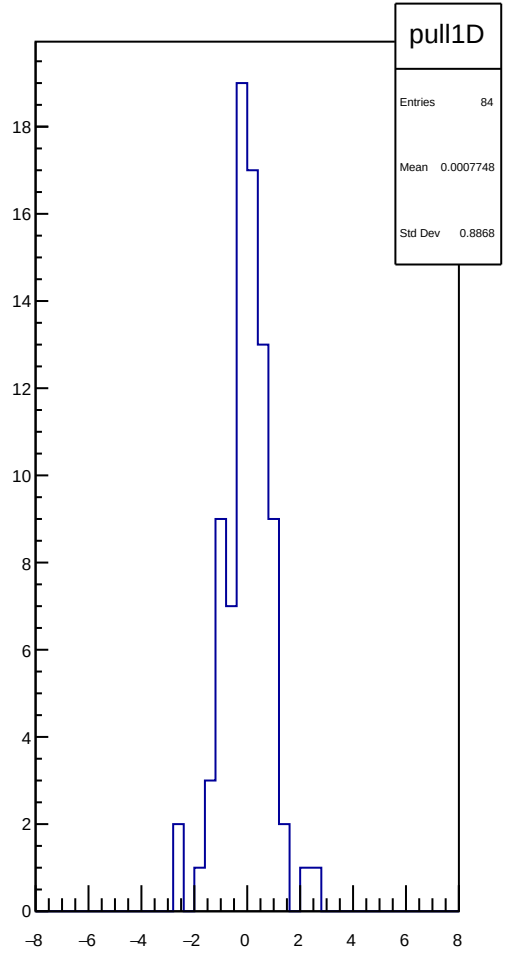

asym_sam4_rms vs run
χ² / ndf 1.717e+04 / 83
p0 2360 ± 1.862
3000
2800
2600
2400
2200
2000

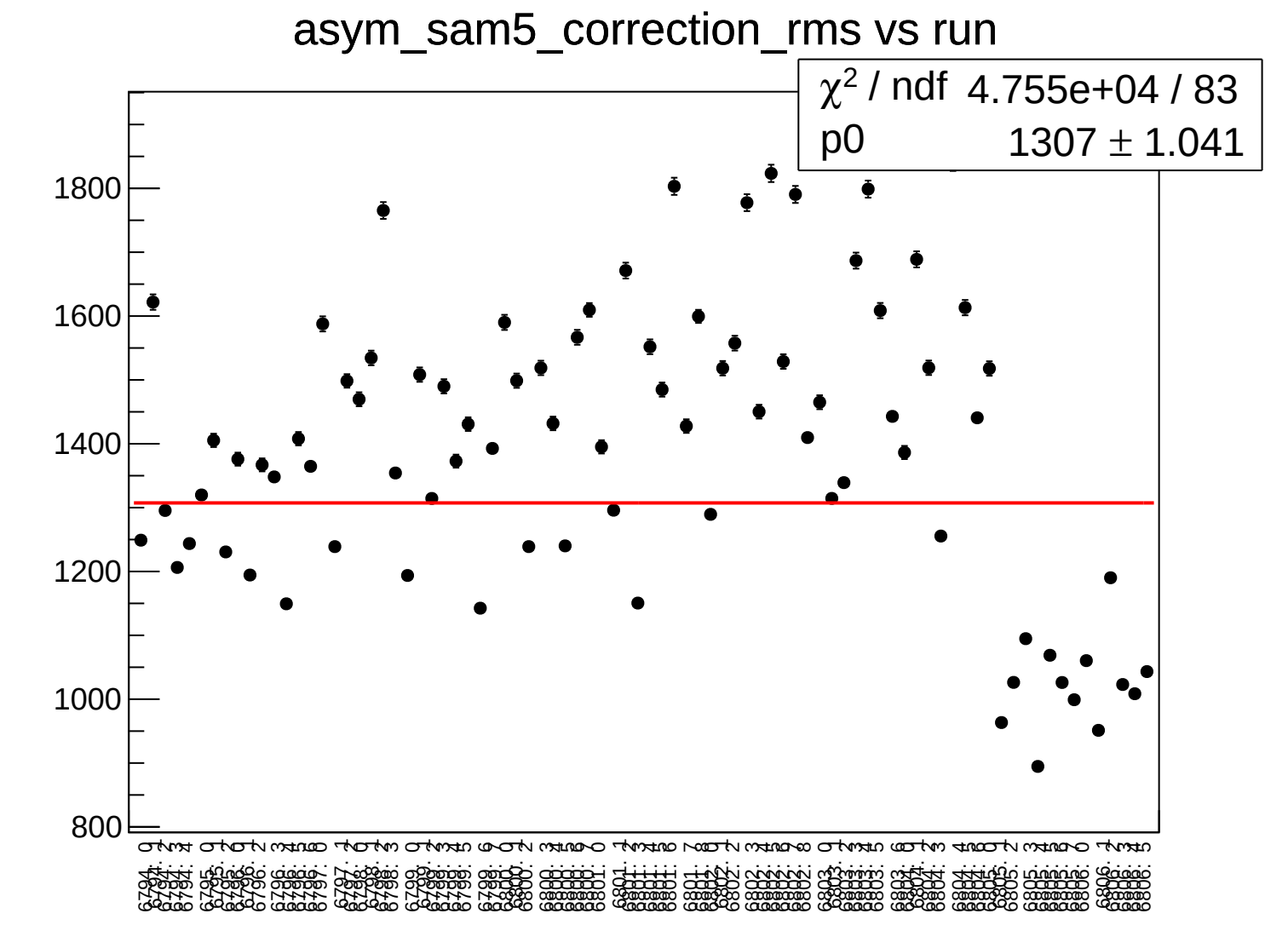

dit_asym_sam5_mean vs run
χ² / ndf 96.26 / 83
p0 −365.5 ± 216.4
pull
Entries 84
Mean 960
Std Dev 922

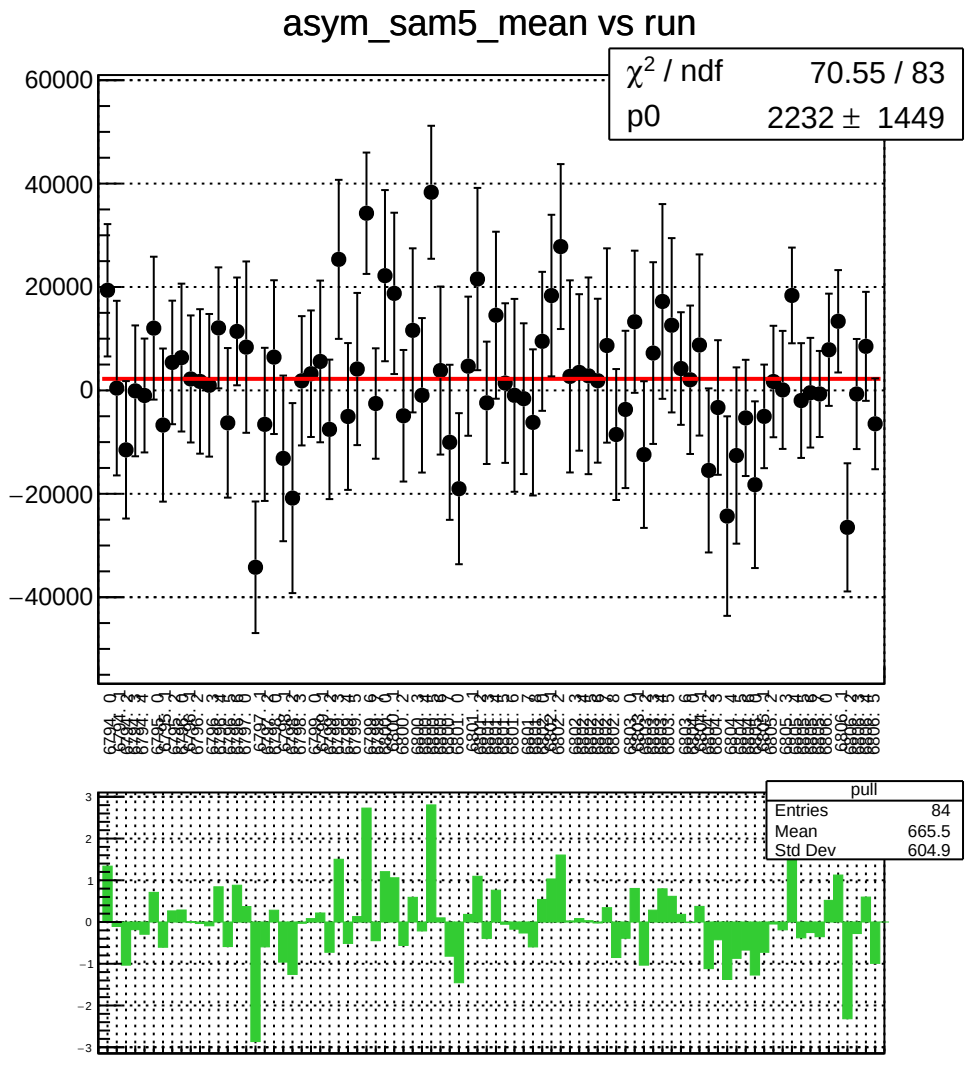

pull1D
Entries 84
Mean −0.005032
Std Dev 1.07

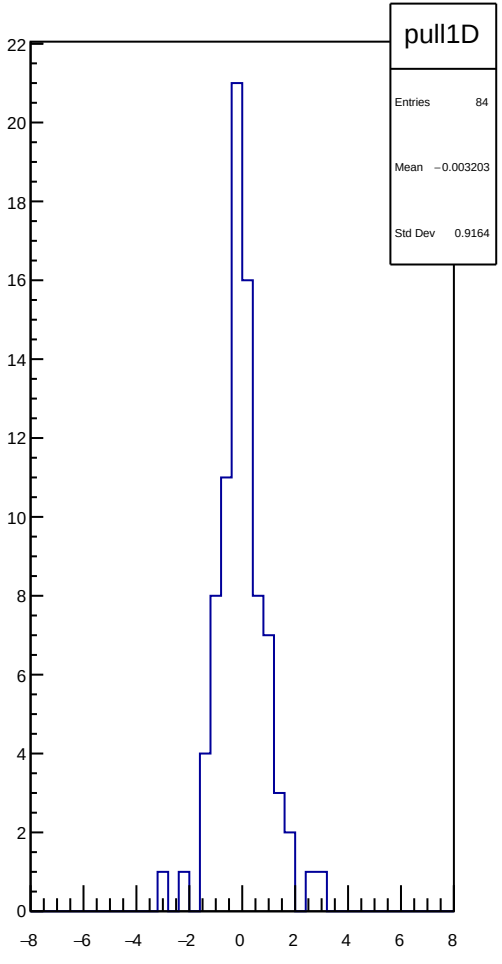

dit_asym_sam5_rms vs run
χ² / ndf 5565 / 83
p0 194.6 ± 0.153
220
210
200
190
180
170
160

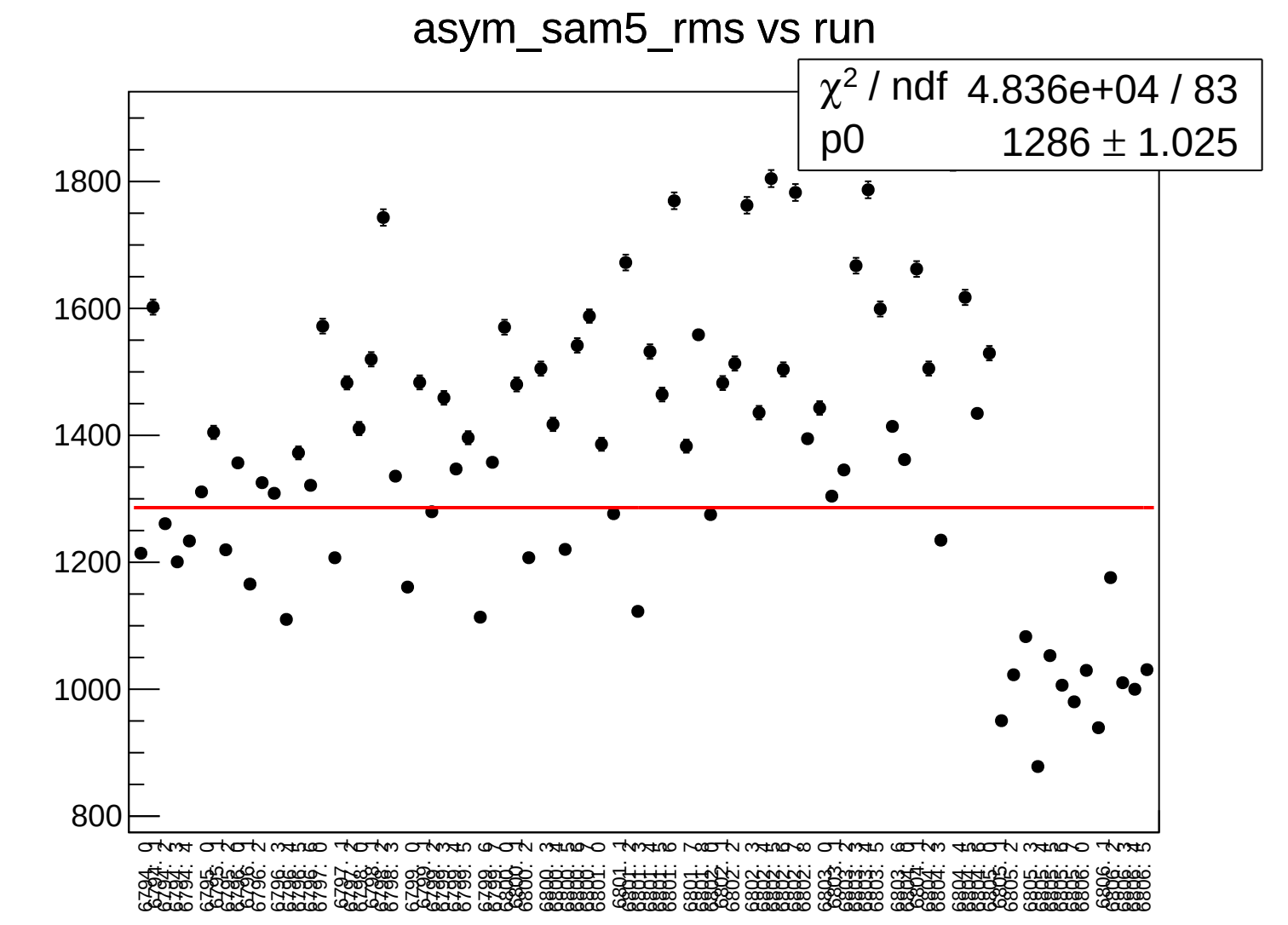

asym_sam5_correction_mean vs run
χ² / ndf 66.06 / 83
p0 −2556 ± 1473
40000
20000
0
−20000
−40000
pull
Entries 84
Mean 1787
Std Dev 1717
3
2
1
0
−1
−2

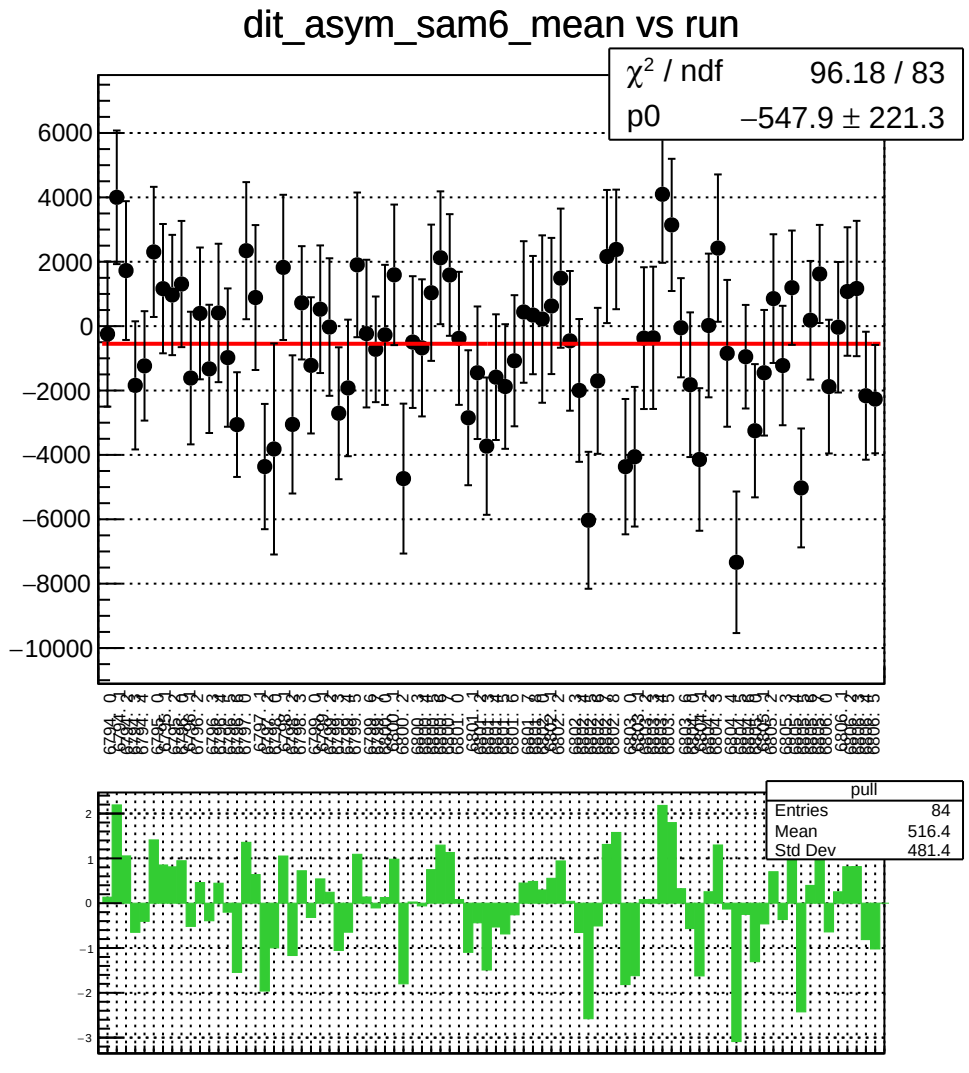

pull1D
Entries 84
Mean 0.0007748
Std Dev 0.8868
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

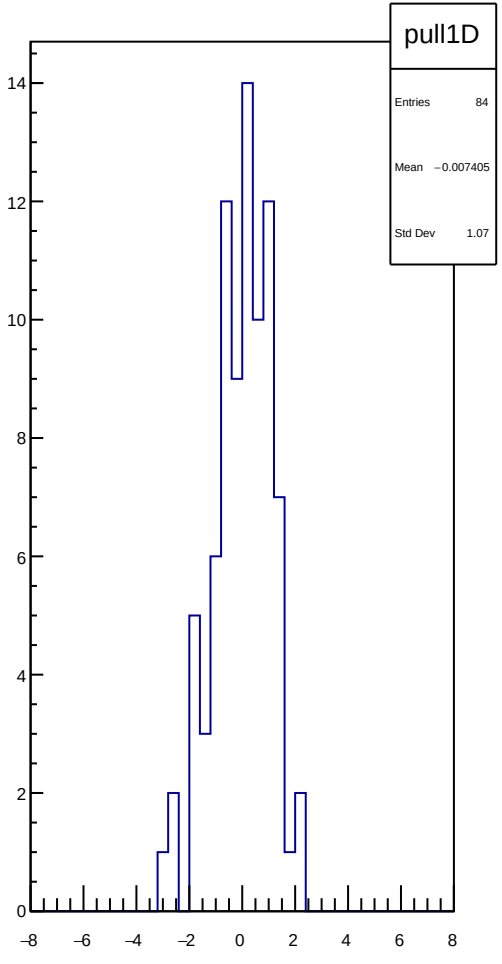

asym_sam5_correction_rms vs run
χ² / ndf 4.755e+04 / 83
p0 1307 ± 1.041
1800
1600
1400
1200
1000
800

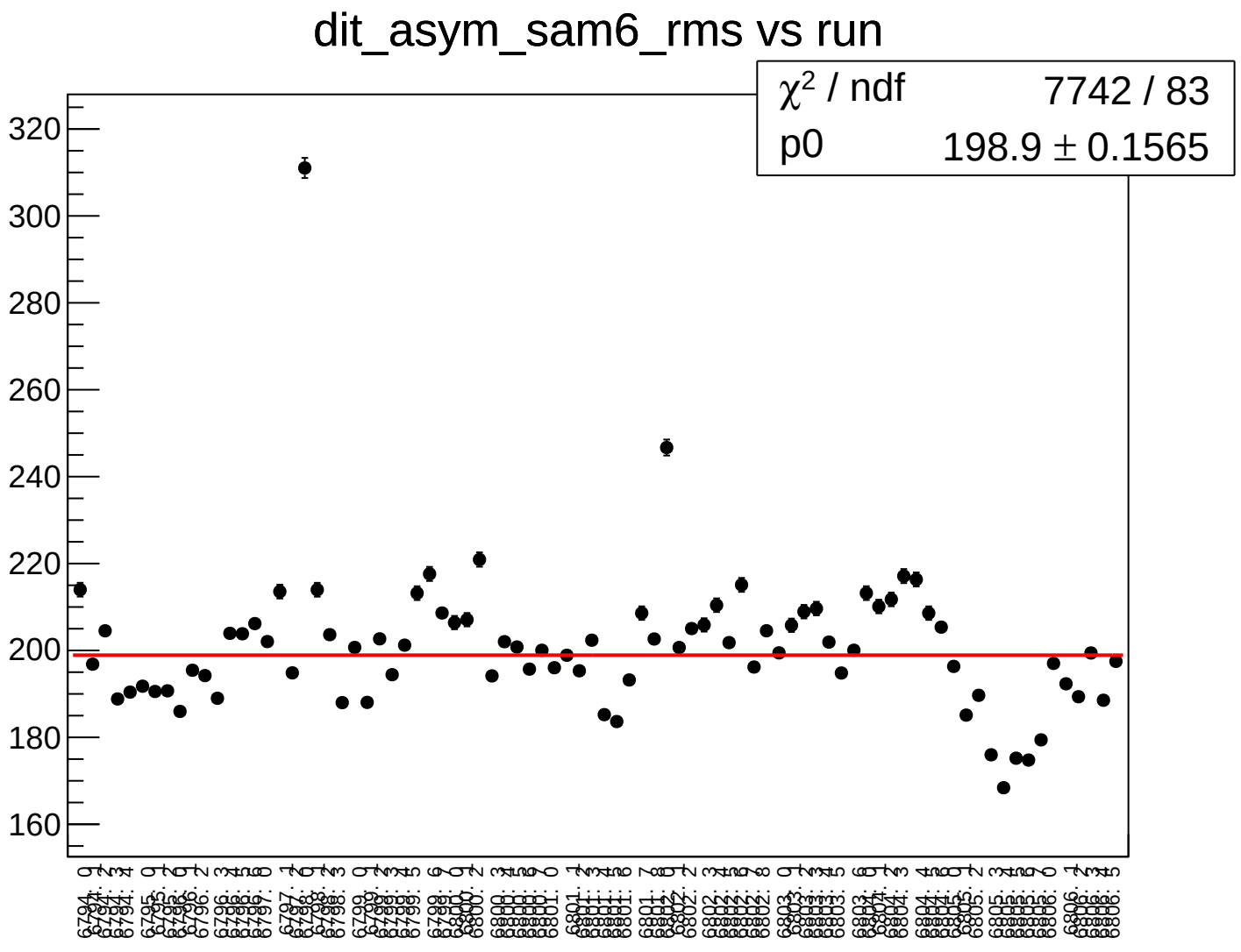

asym_sam5_mean vs run
χ² / ndf 70.55 / 83
p0 2232 ± 1449
pull
Entries 84
Mean 665.5
Std Dev 604.9

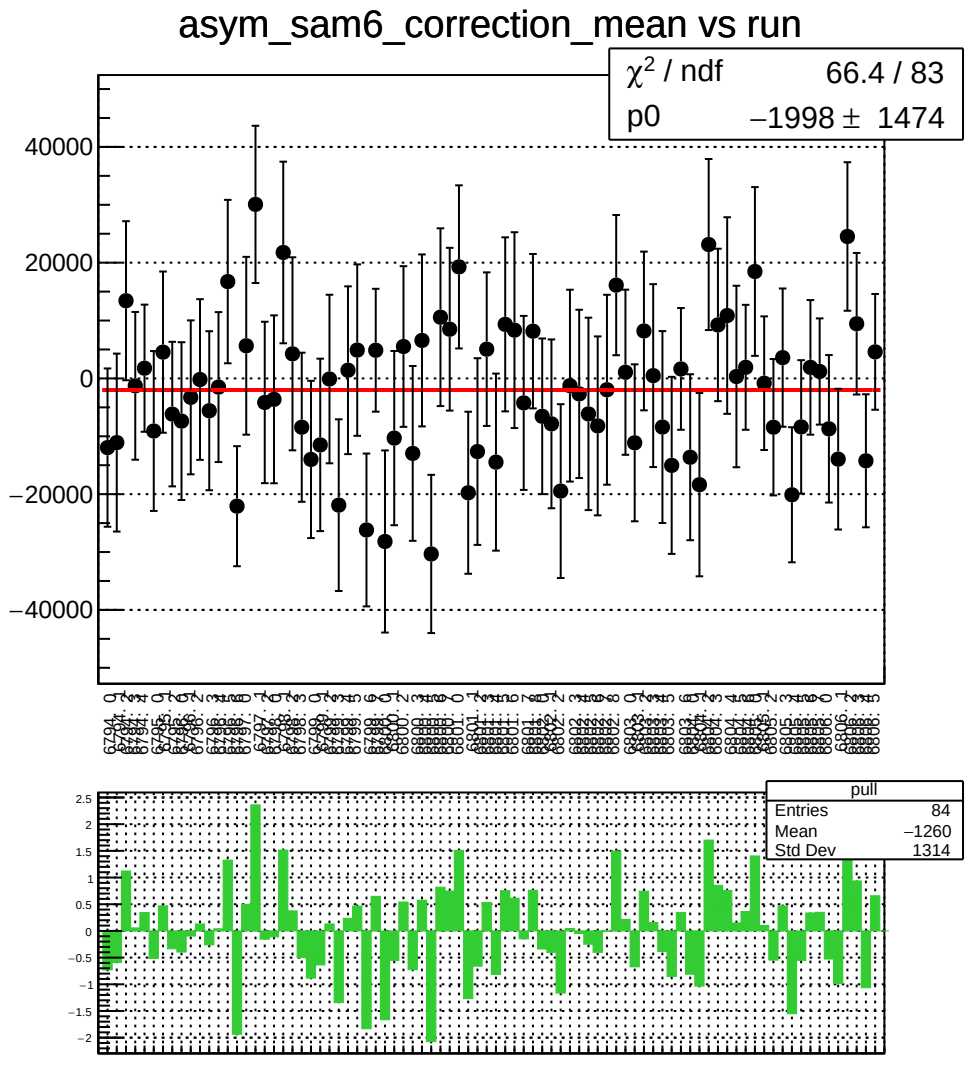

pull1D
Entries 84
Mean −0.003203
Std Dev 0.9164

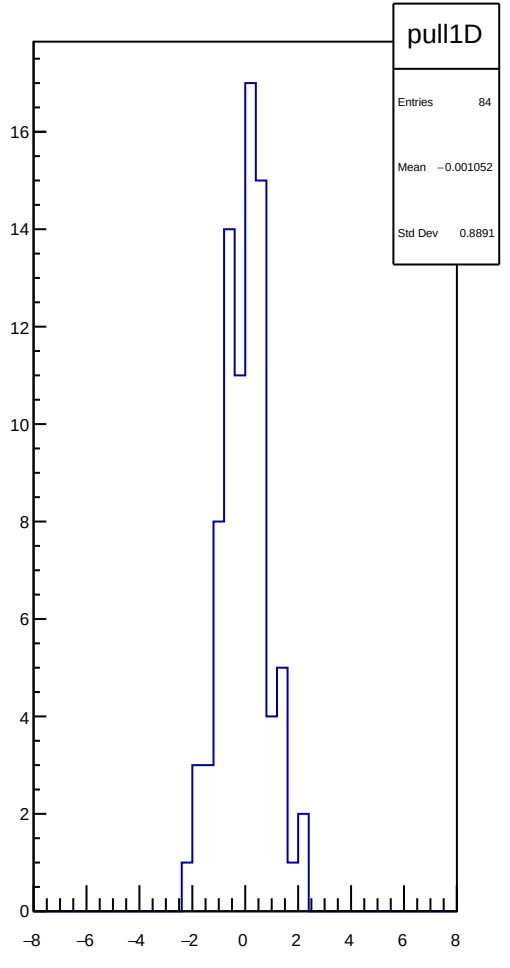

asym_sam5_rms vs run
χ² / ndf 4.836e+04 / 83
p0 1286 ± 1.025
1800
1600
1400
1200
1000
800

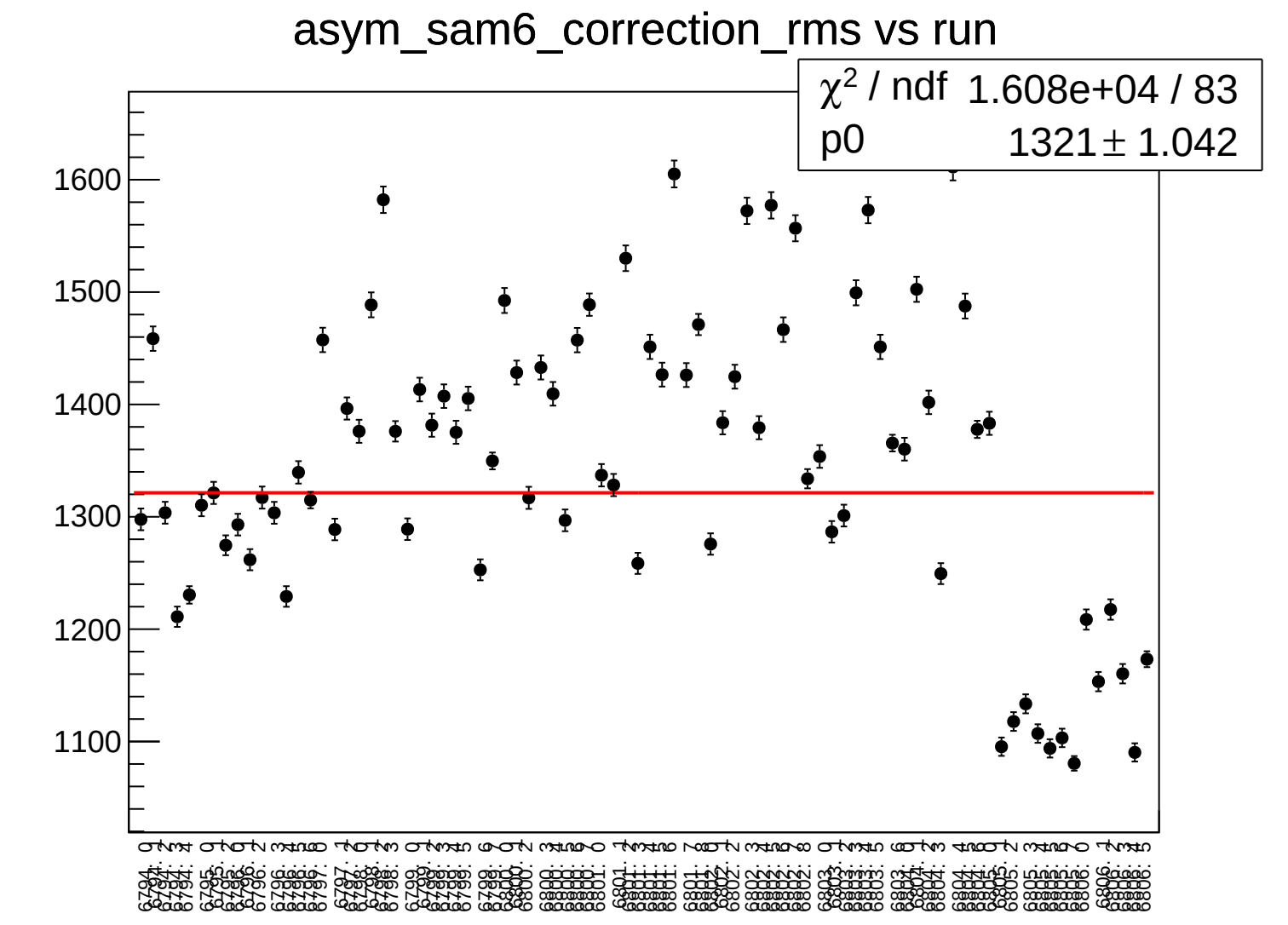

dit_asym_sam6_mean vs run
χ² / ndf 96.18 / 83
p0 −547.9 ± 221.3
pull
Entries 84
Mean 516.4
Std Dev 481.4

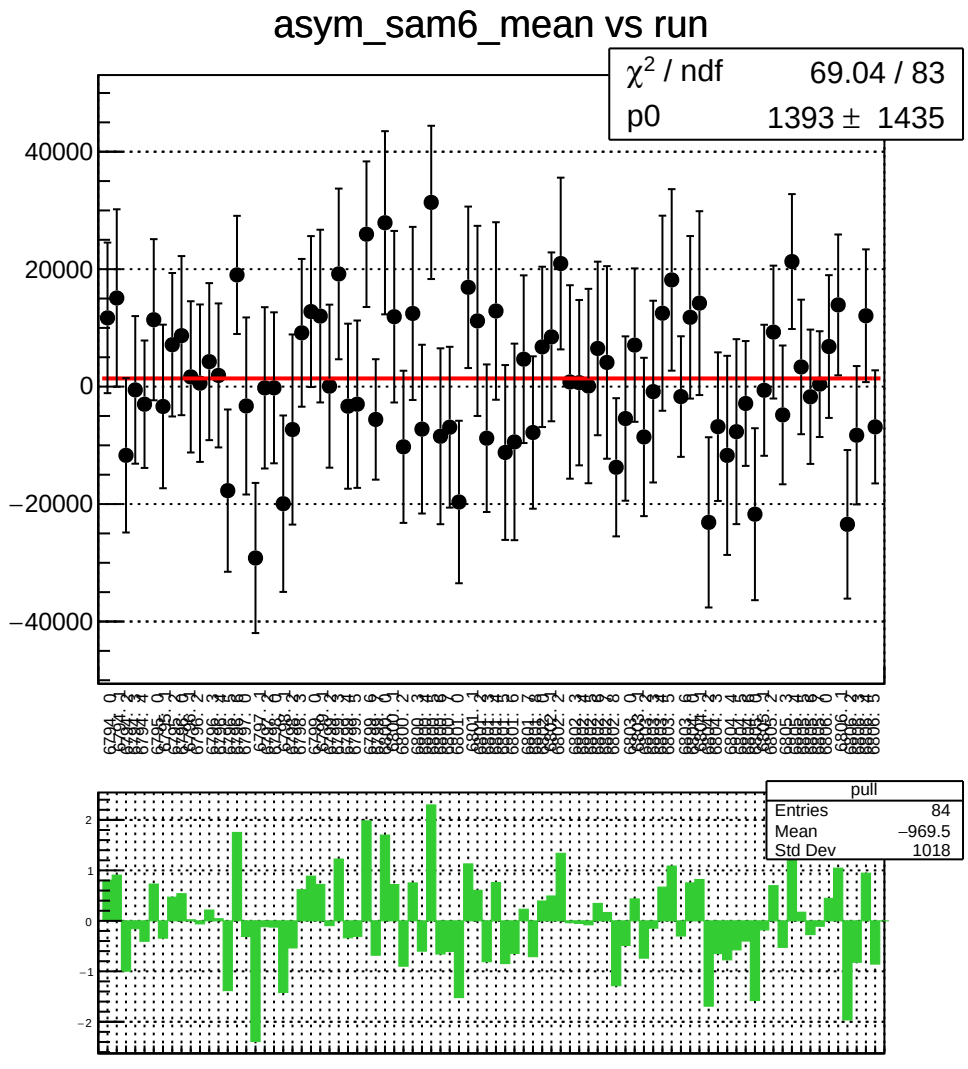

pull1D
Entries 84
Mean −0.007405
Std Dev 1.07

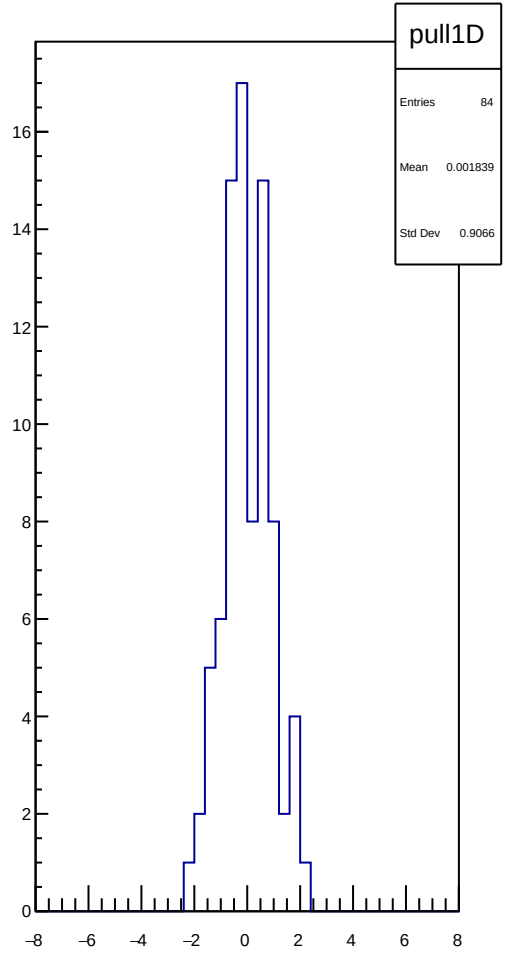

dit_asym_sam6_rms vs run
χ² / ndf 7742 / 83
p0 198.9 ± 0.1565
320
300
280
260
240
220
200
180
160

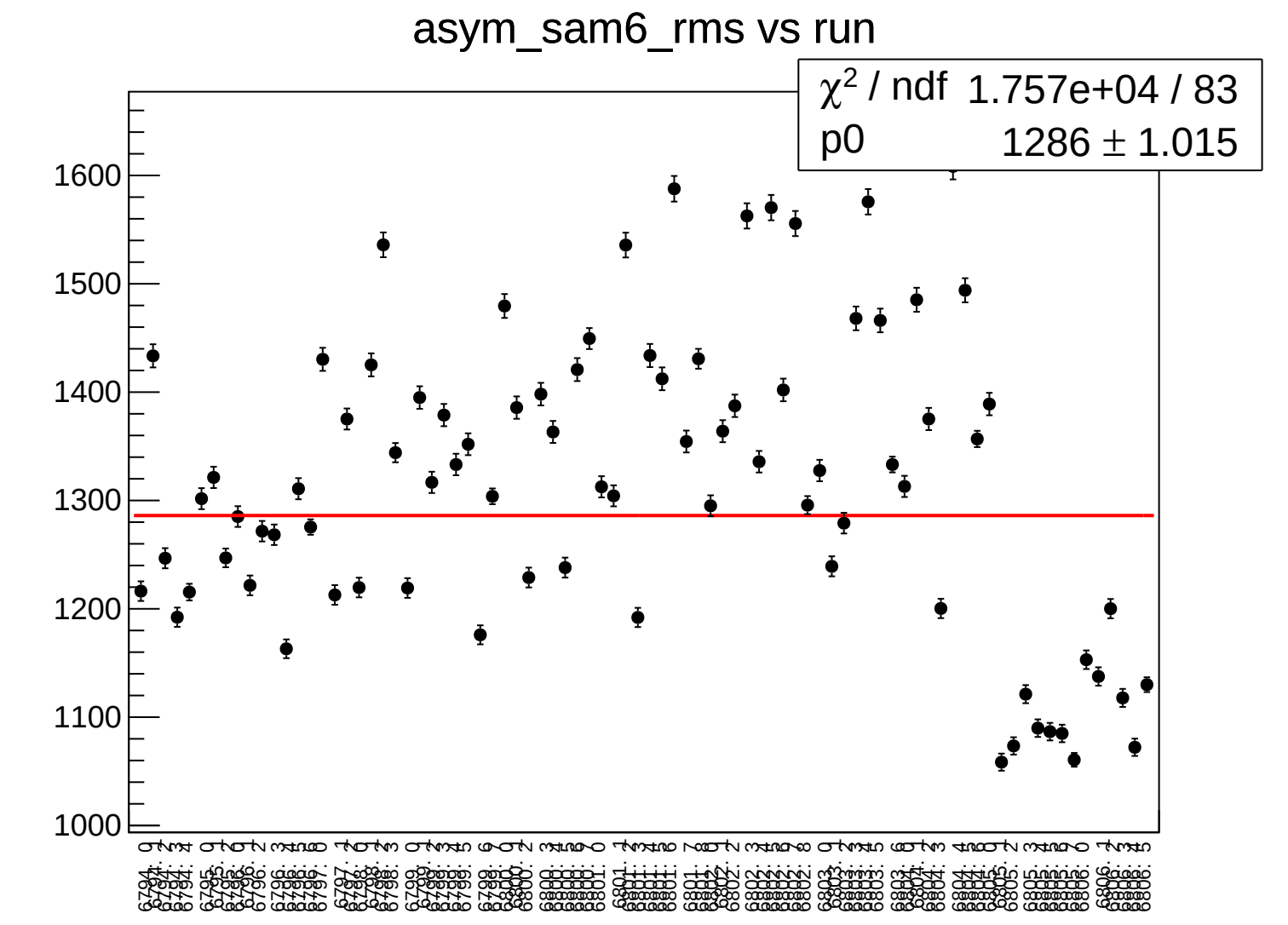

asym_sam6_correction_mean vs run
χ² / ndf 66.4 / 83
p0 −1998 ± 1474
40000
20000
0
−20000
−40000
pull
Entries 84
Mean −1260
Std Dev 1314
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

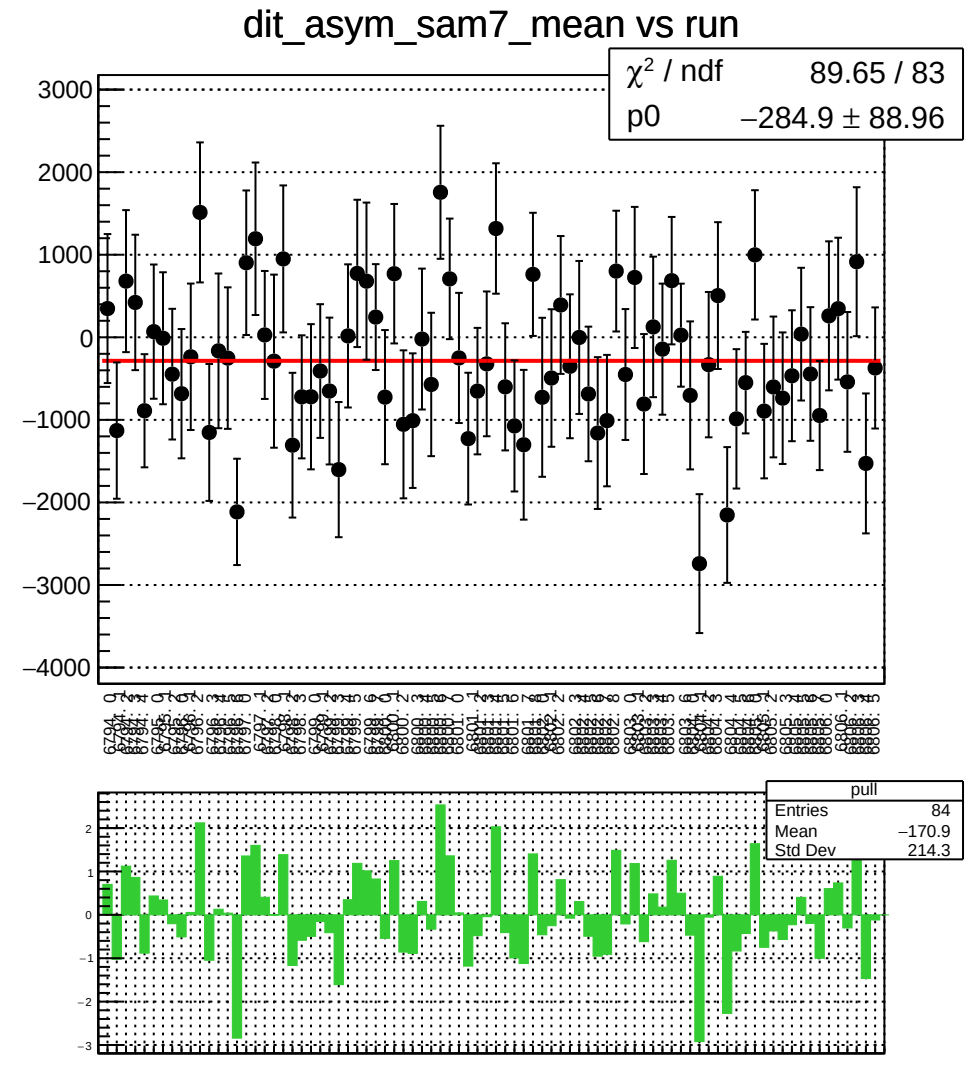

pull1D
Entries 84
Mean −0.001052
Std Dev 0.8891
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

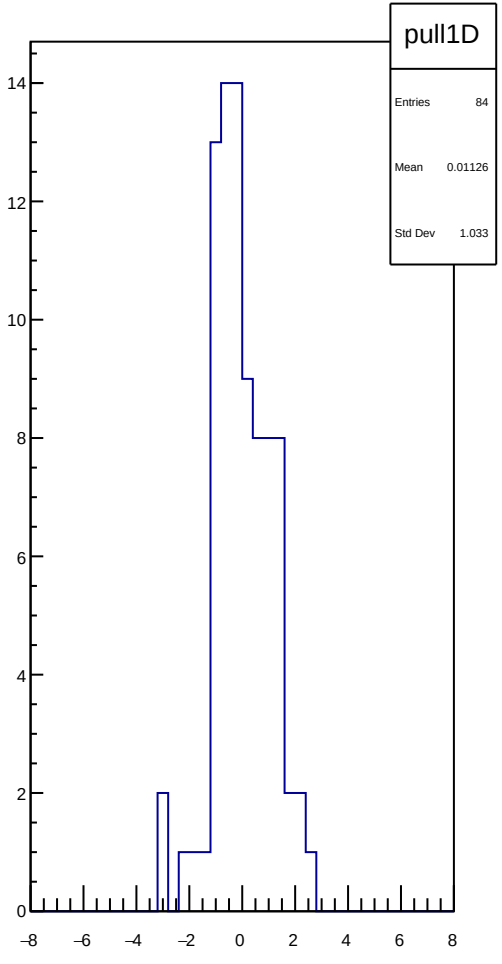

asym_sam6_correction_rms vs run
χ² / ndf 1.608e+04 / 83
p0 1321 ± 1.042
1600
1500
1400
1300
1200
1100

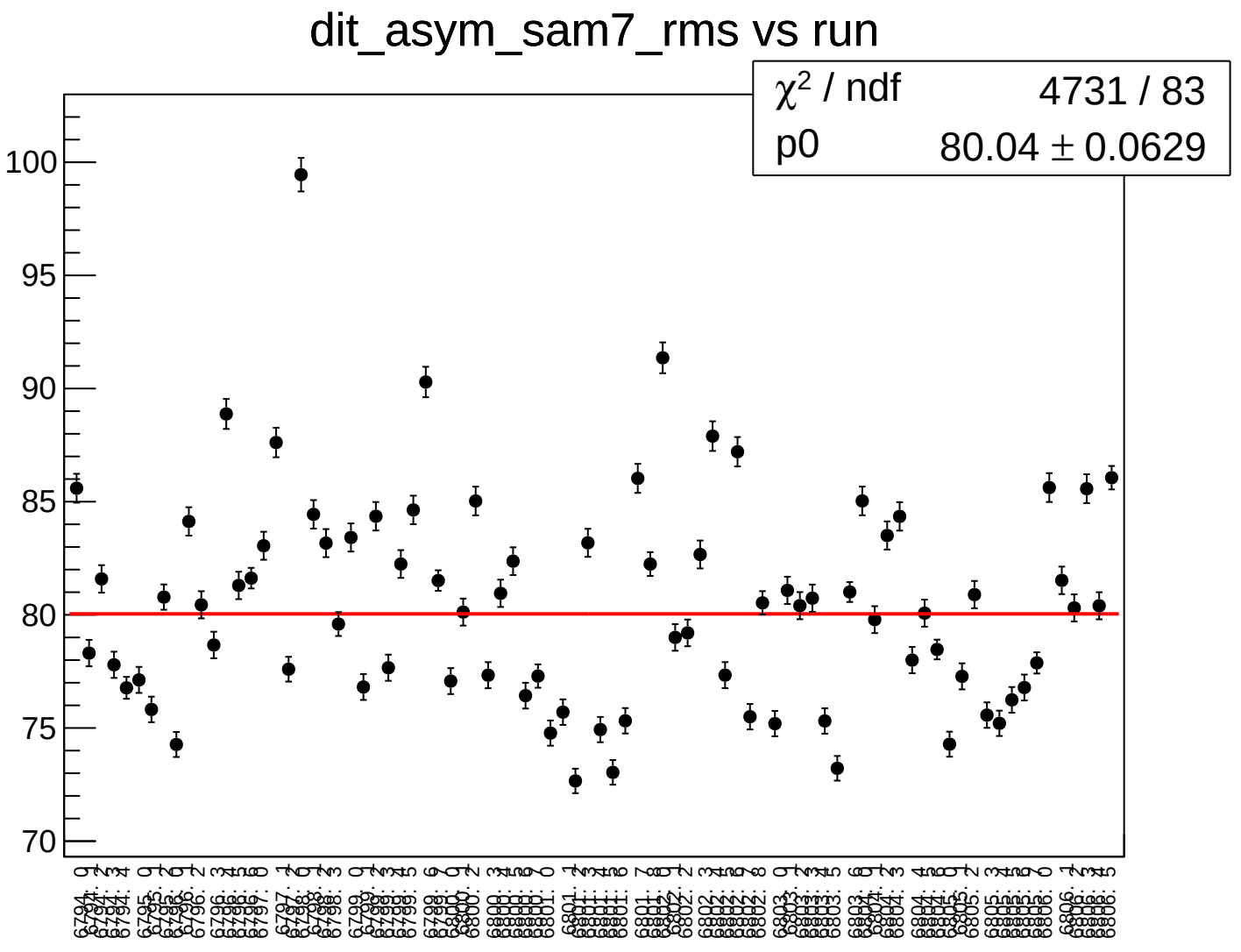

asym_sam6_mean vs run
χ² / ndf 69.04 / 83
p0 1393 ± 1435
40000
20000
0
−20000
−40000
pull
Entries 84
Mean −969.5
Std Dev 1018
2
1
0
−1
−2

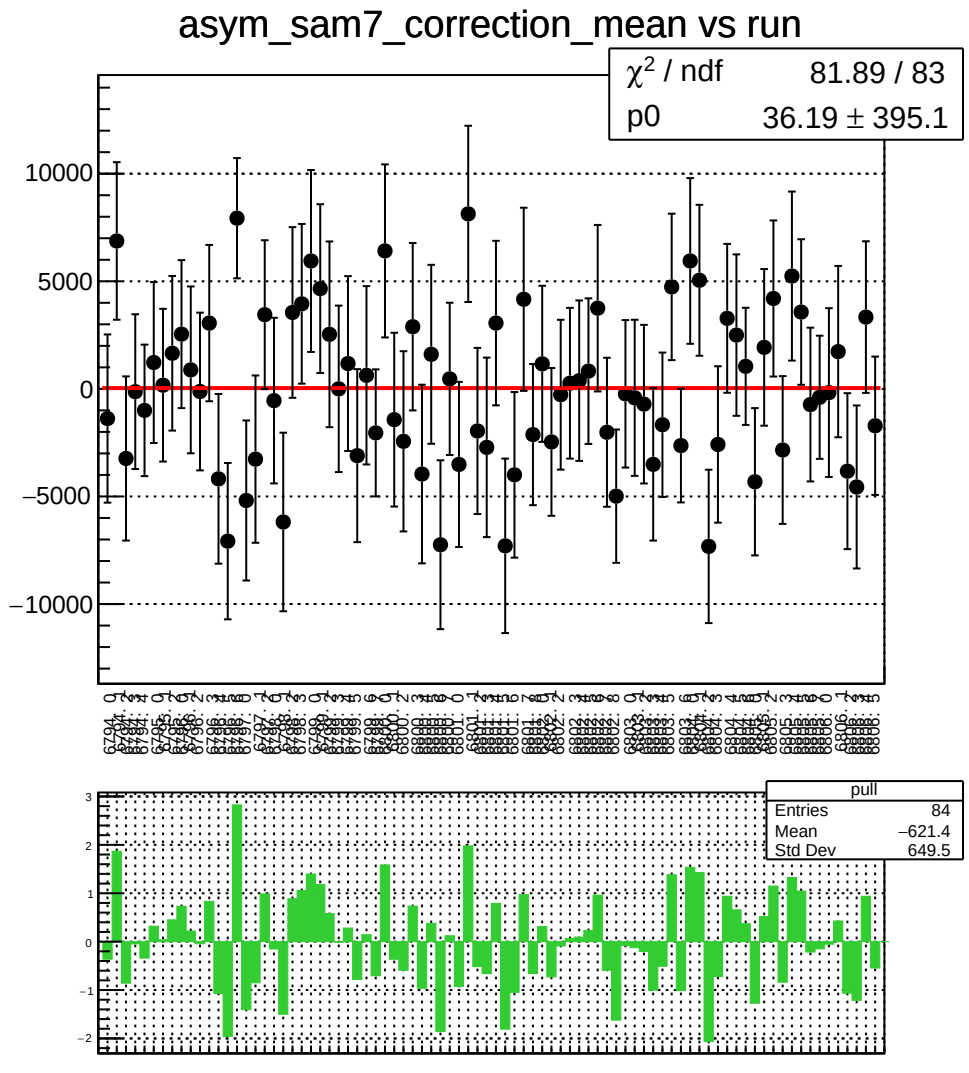

pull1D
Entries 84
Mean 0.001839
Std Dev 0.9066
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

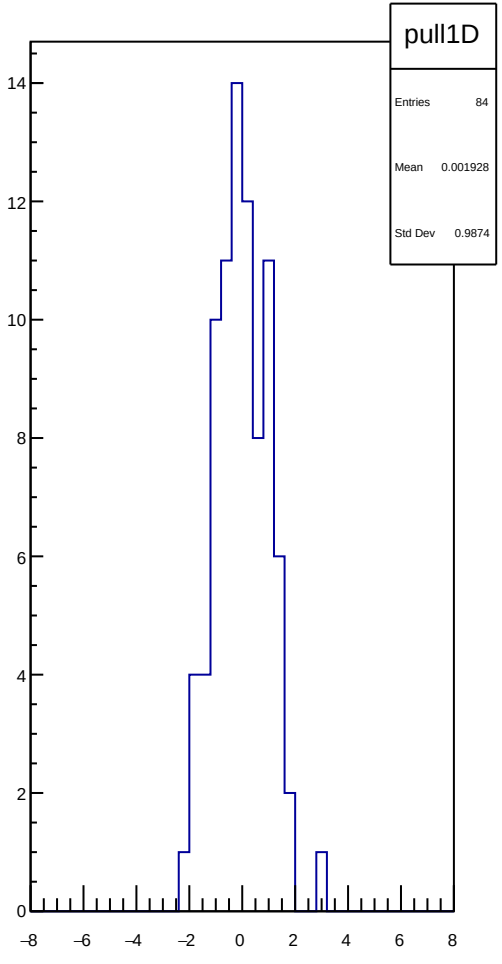

asym_sam6_rms vs run
χ² / ndf 1.757e+04 / 83
p0 1286 ± 1.015
1600
1500
1400
1300
1200
1100
1000

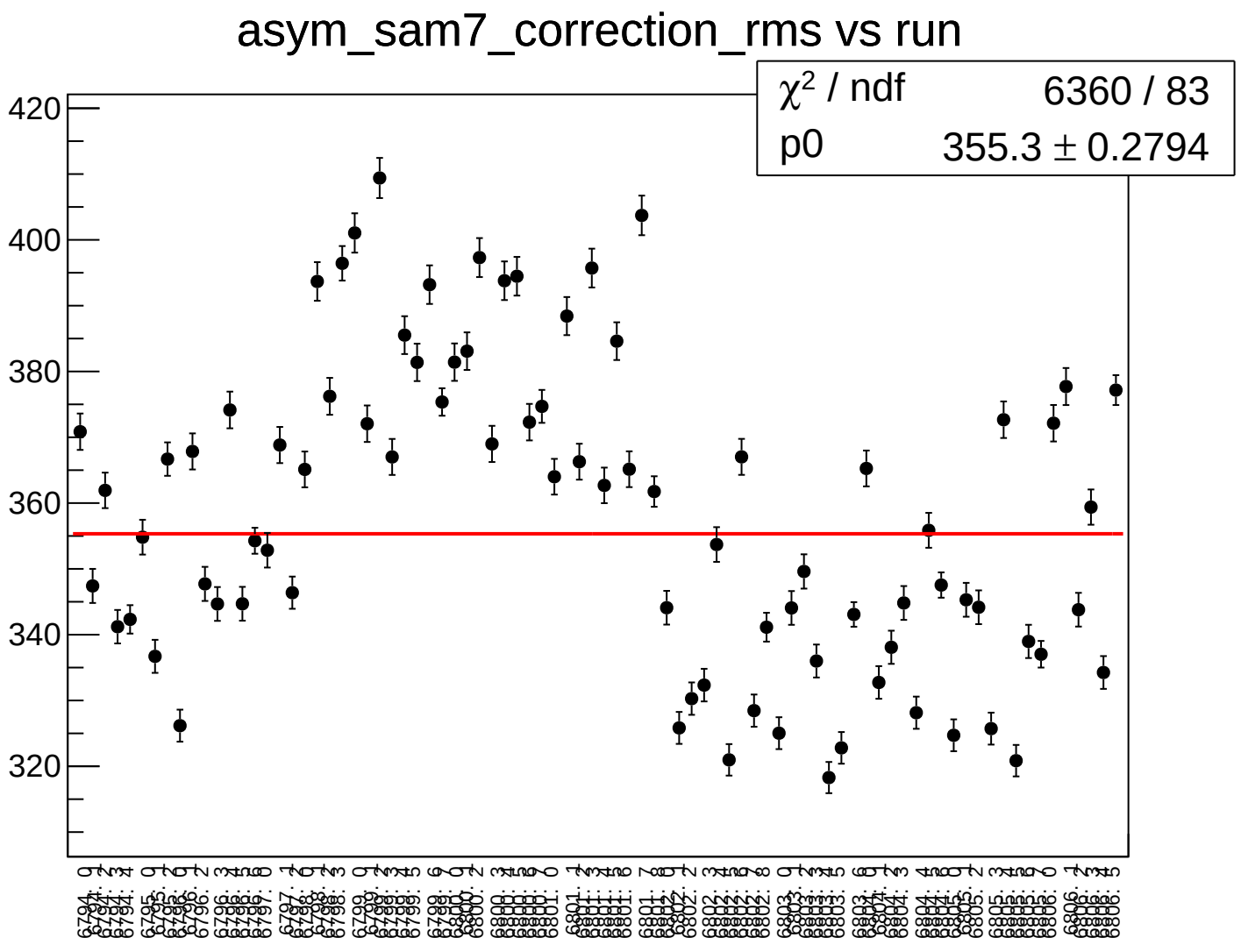

dit_asym_sam7_mean vs run
χ² / ndf 89.65 / 83
p0 −284.9 ± 88.96
pull
Entries 84
Mean −170.9
Std Dev 214.3

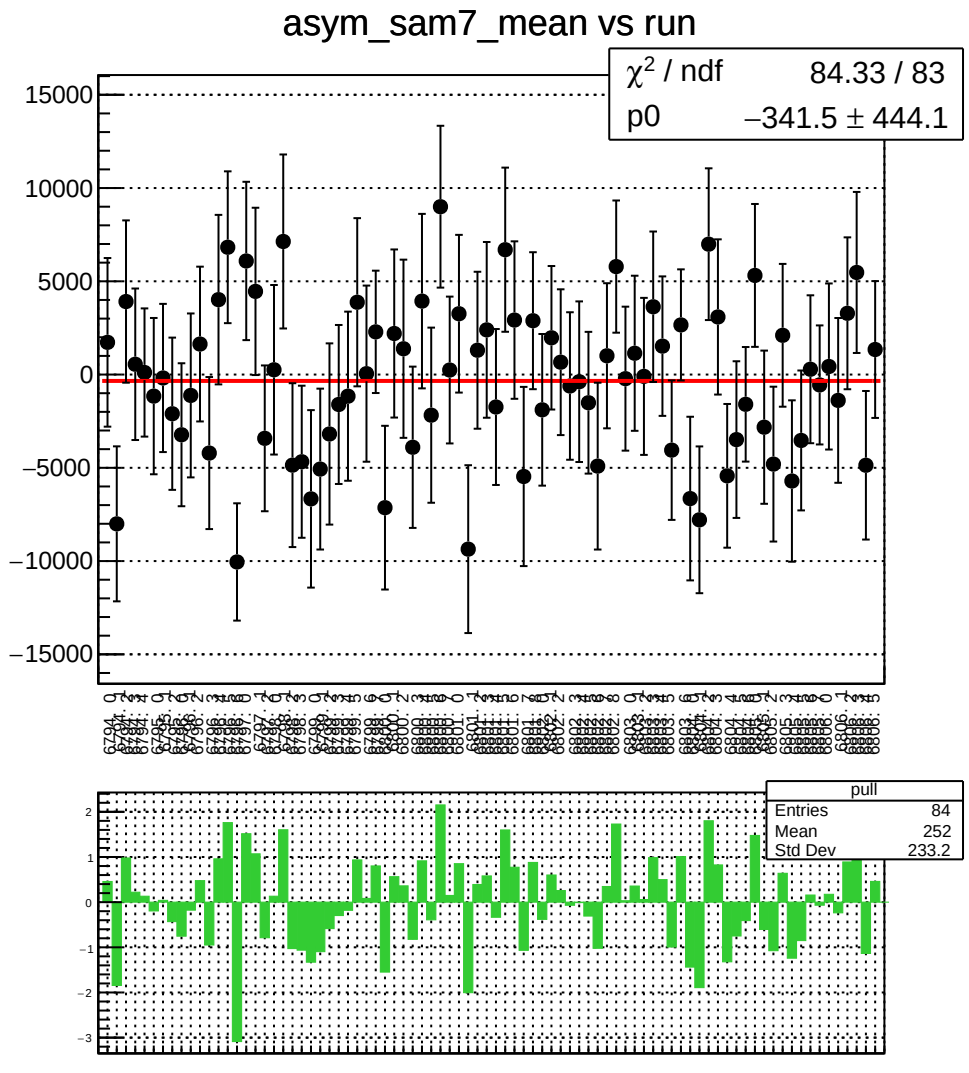

pull1D
Entries 84
Mean 0.01126
Std Dev 1.033

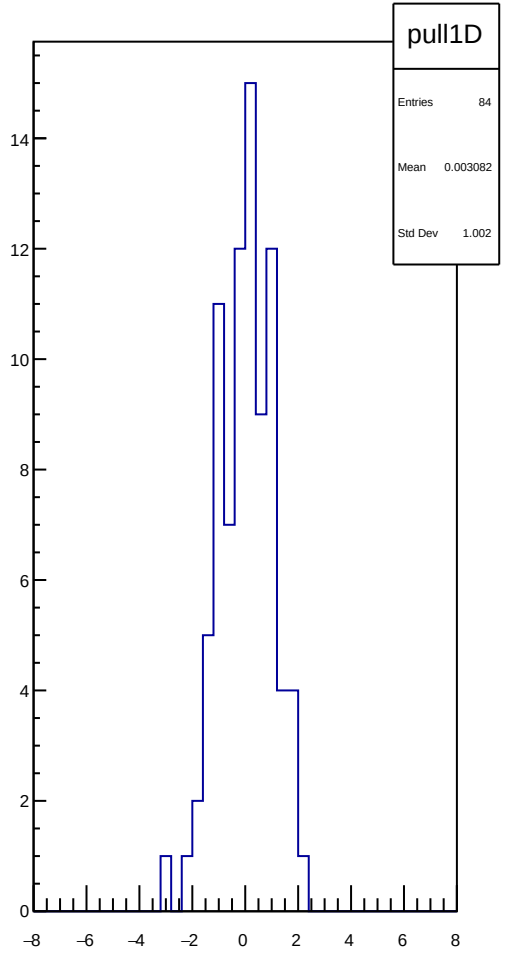

dit_asym_sam7_rms vs run
χ^2 / ndf 4731 / 83
p0 80.04 ± 0.0629
100
95
90
85
80
75
70

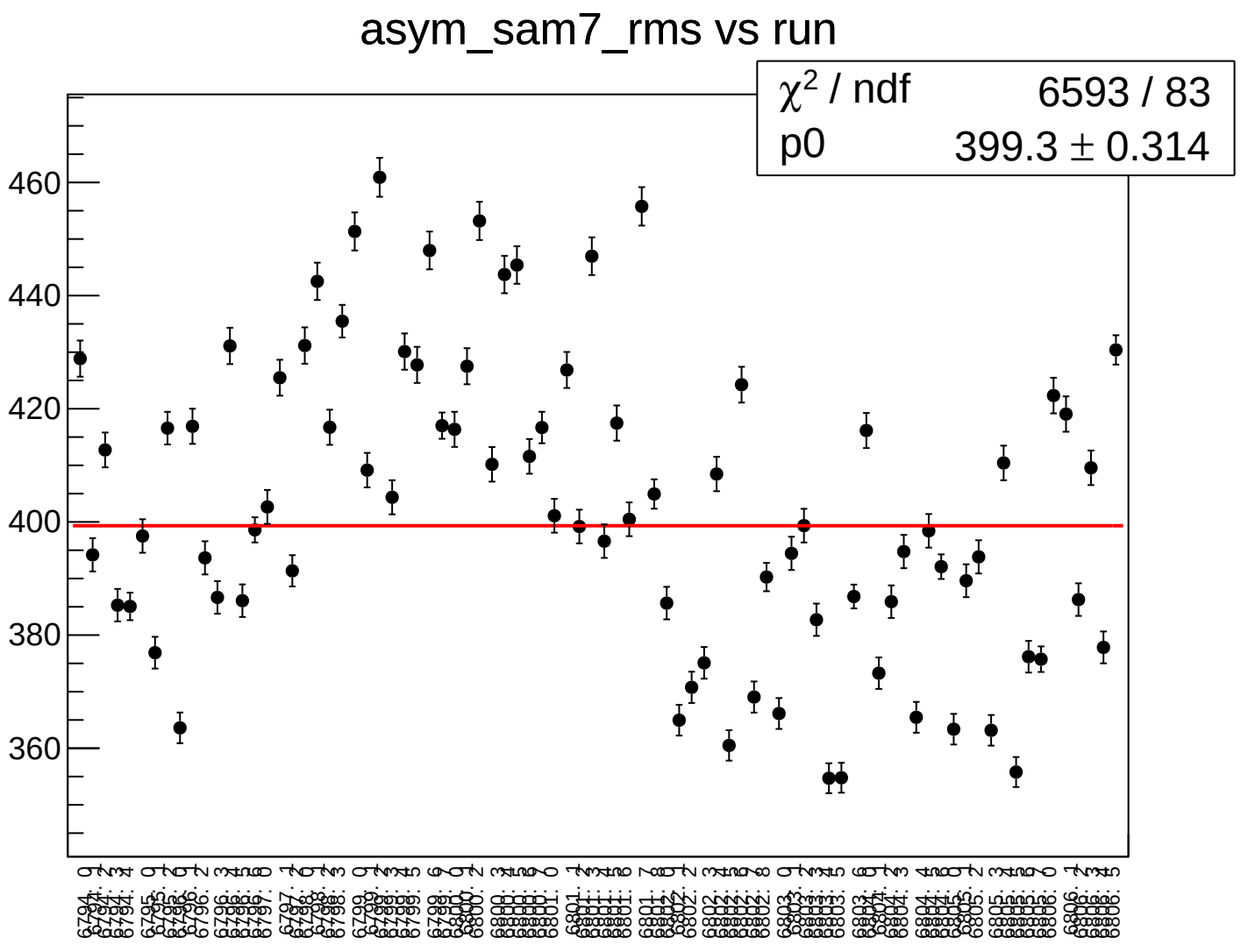

asym_sam7_correction_mean vs run
χ² / ndf 81.89 / 83
p0 36.19 ± 395.1
10000
5000
0
−5000
−10000
pull
Entries 84
Mean −621.4
Std Dev 649.5
3
2
1
0
−1
−2

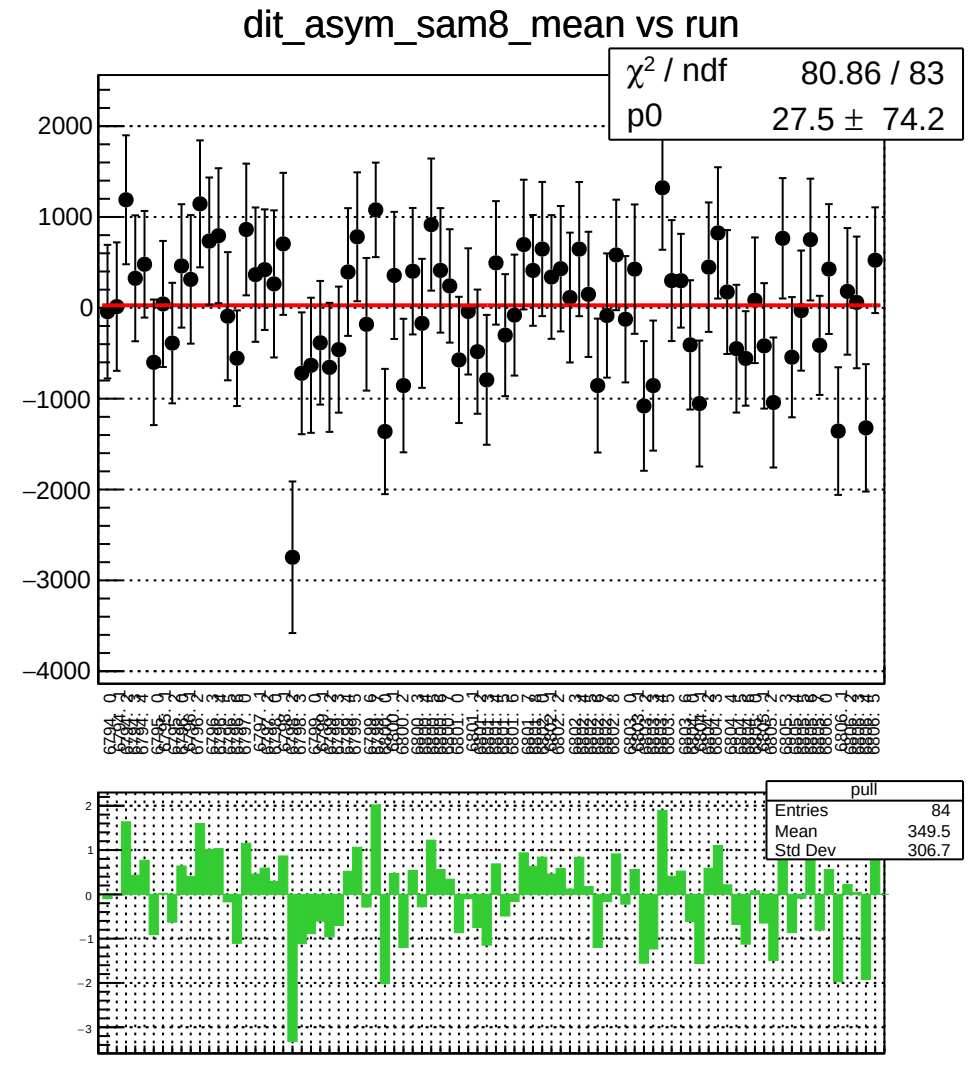

pull1D
Entries 84
Mean 0.001928
Std Dev 0.9874
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

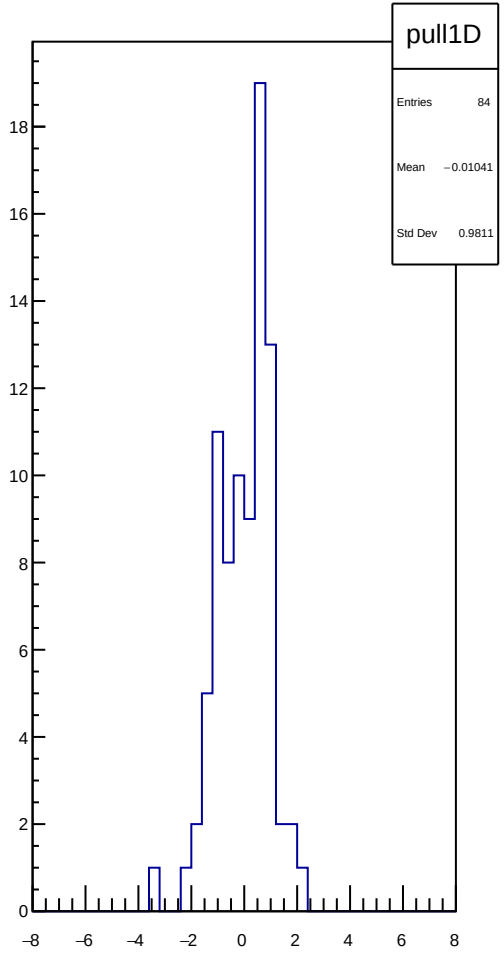

asym_sam7_correction_rms vs run
χ² / ndf 6360 / 83
p0 355.3 ± 0.2794
420
400
380
360
340
320

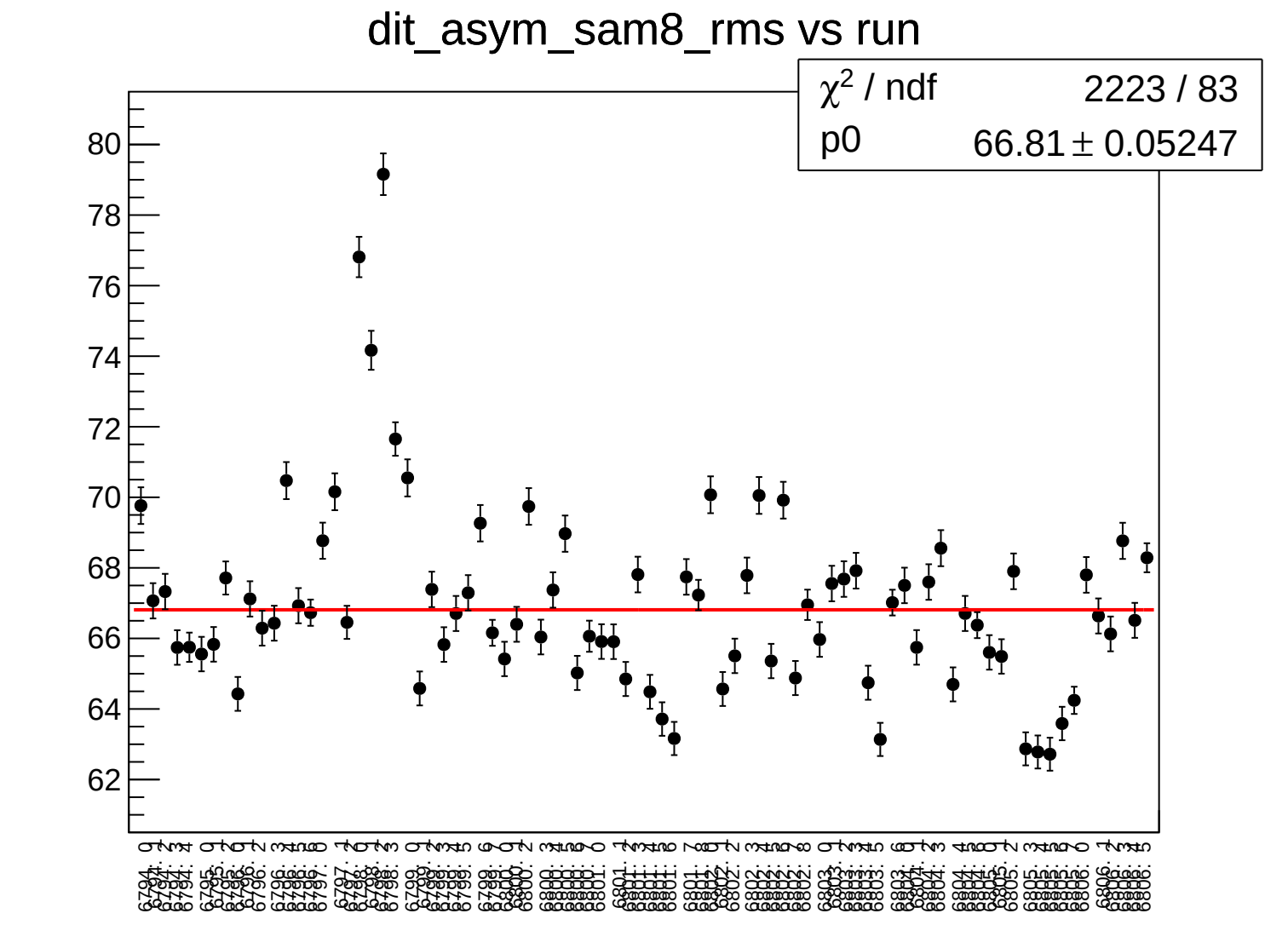

asym_sam7_mean vs run
χ² / ndf 84.33 / 83
p0 −341.5 ± 444.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean 252
Std Dev 233.2
2
1
0
−1
−2
−3

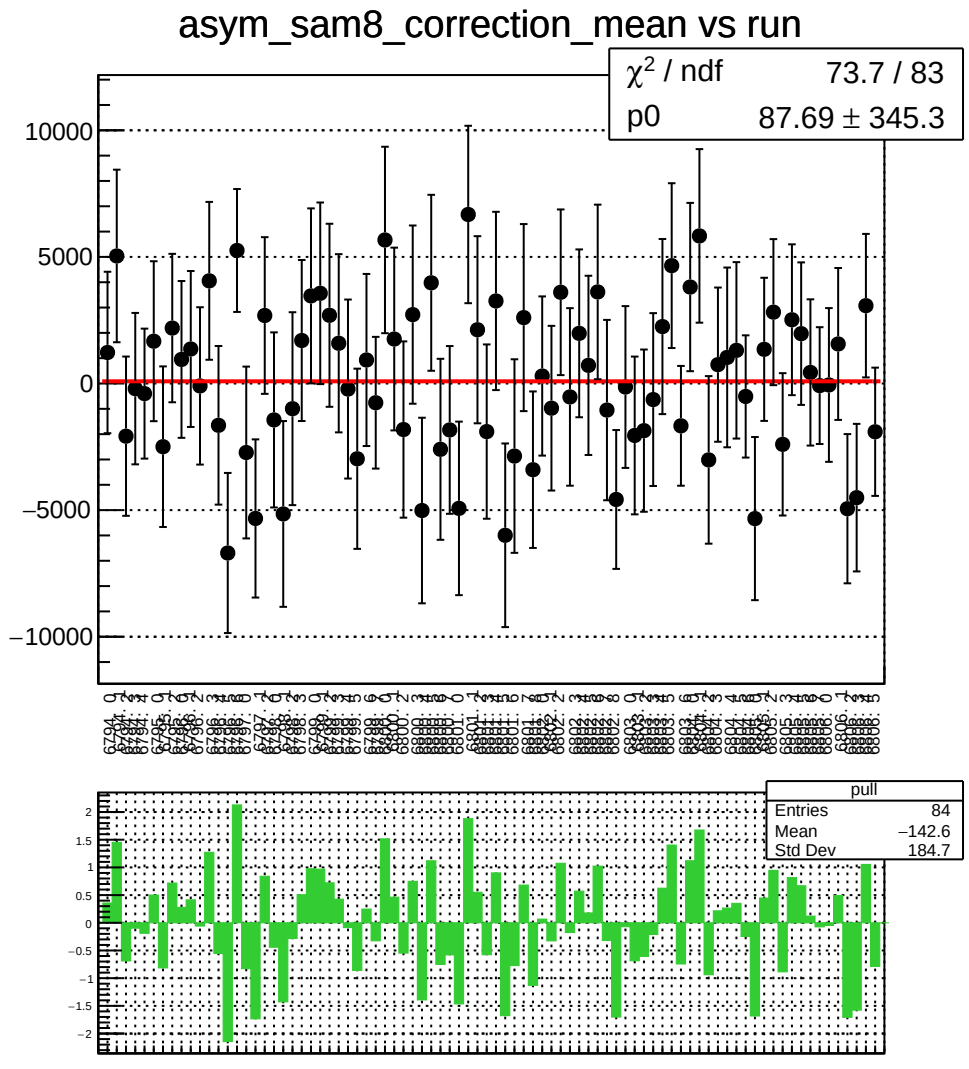

pull1D
Entries 84
Mean 0.003082
Std Dev 1.002
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

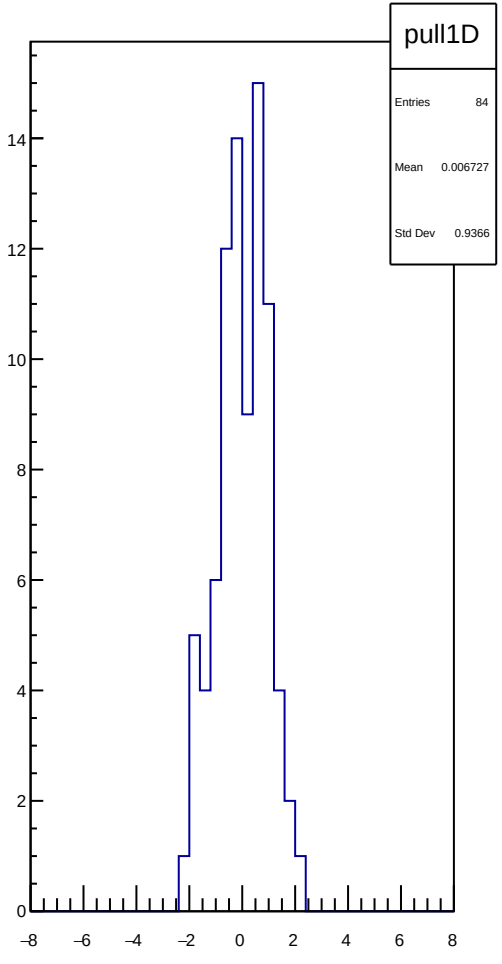

asym_sam7_rms vs run
χ^2 / ndf 6593 / 83
p0 399.3 ± 0.314
460
440
420
400
380
360

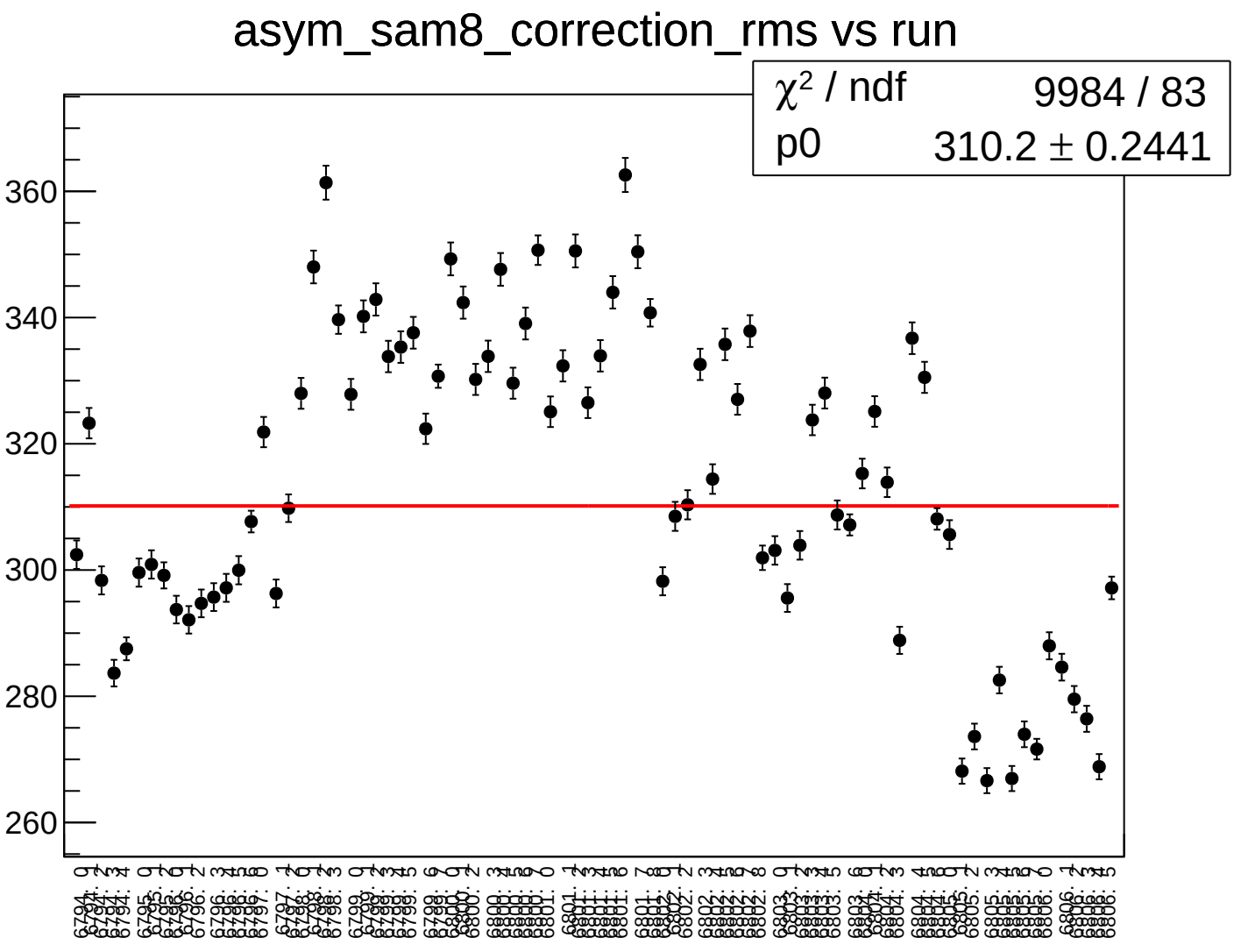

dit_asym_sam8_mean vs run
χ² / ndf 80.86 / 83
p0 27.5 ± 74.2
pull
Entries 84
Mean 349.5
Std Dev 306.7

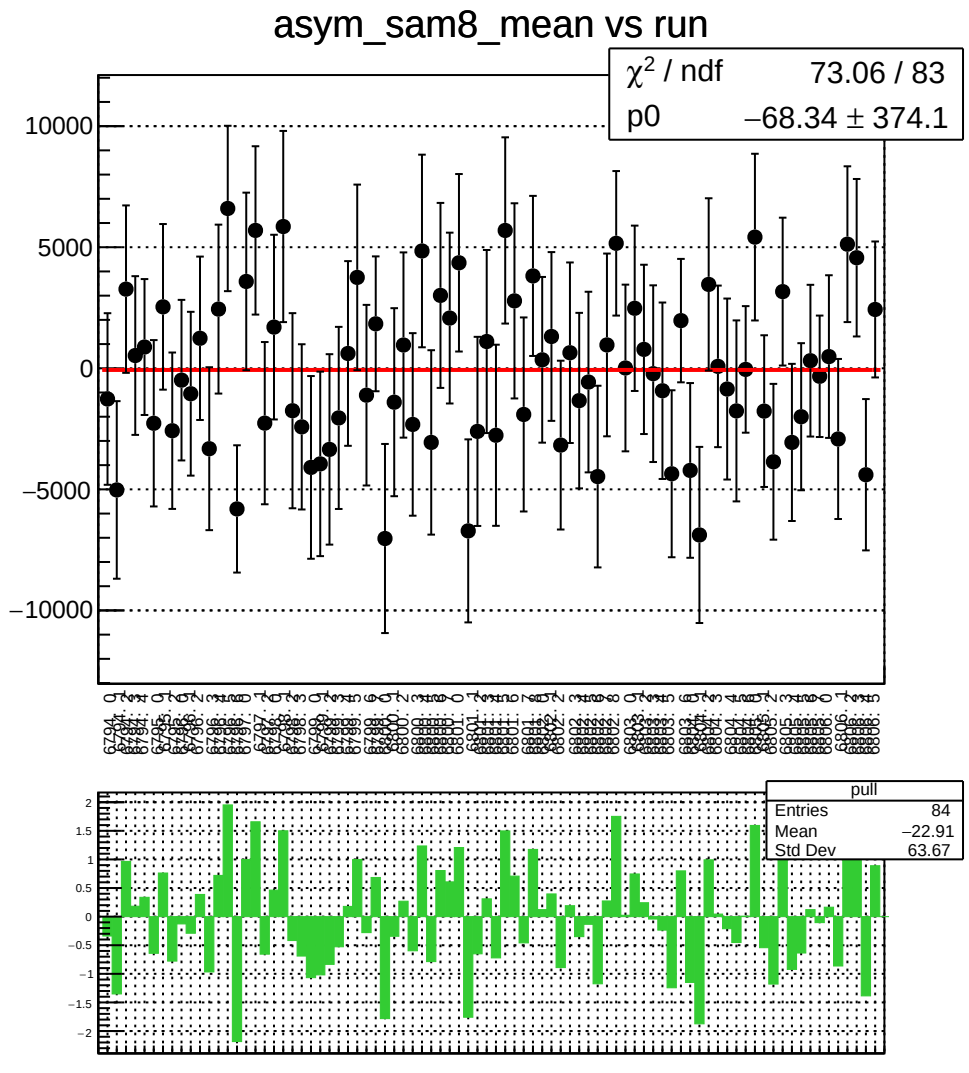

pull1D
Entries 84
Mean −0.01041
Std Dev 0.9811

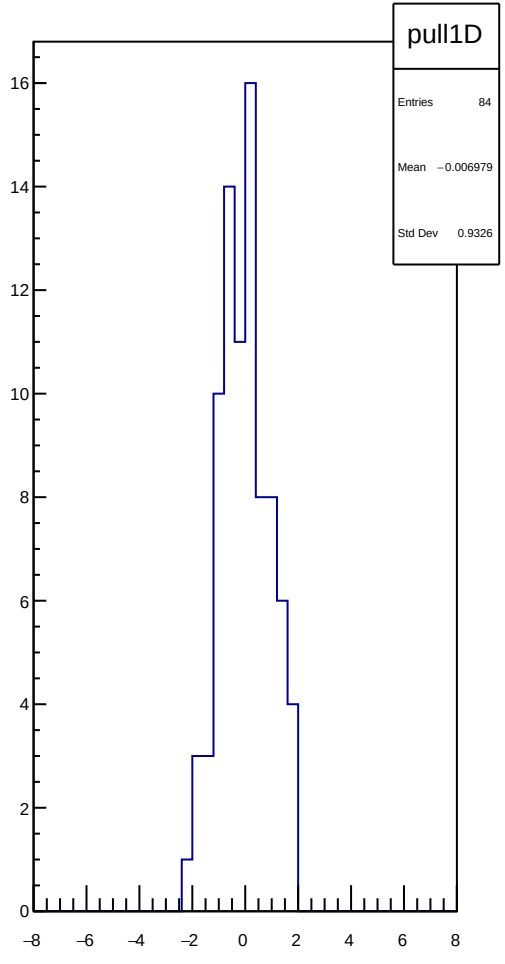

dit_asym_sam8_rms vs run
χ^2 / ndf 2223 / 83
p0 66.81 ± 0.05247
80
78
76
74
72
70
68
66
64
62

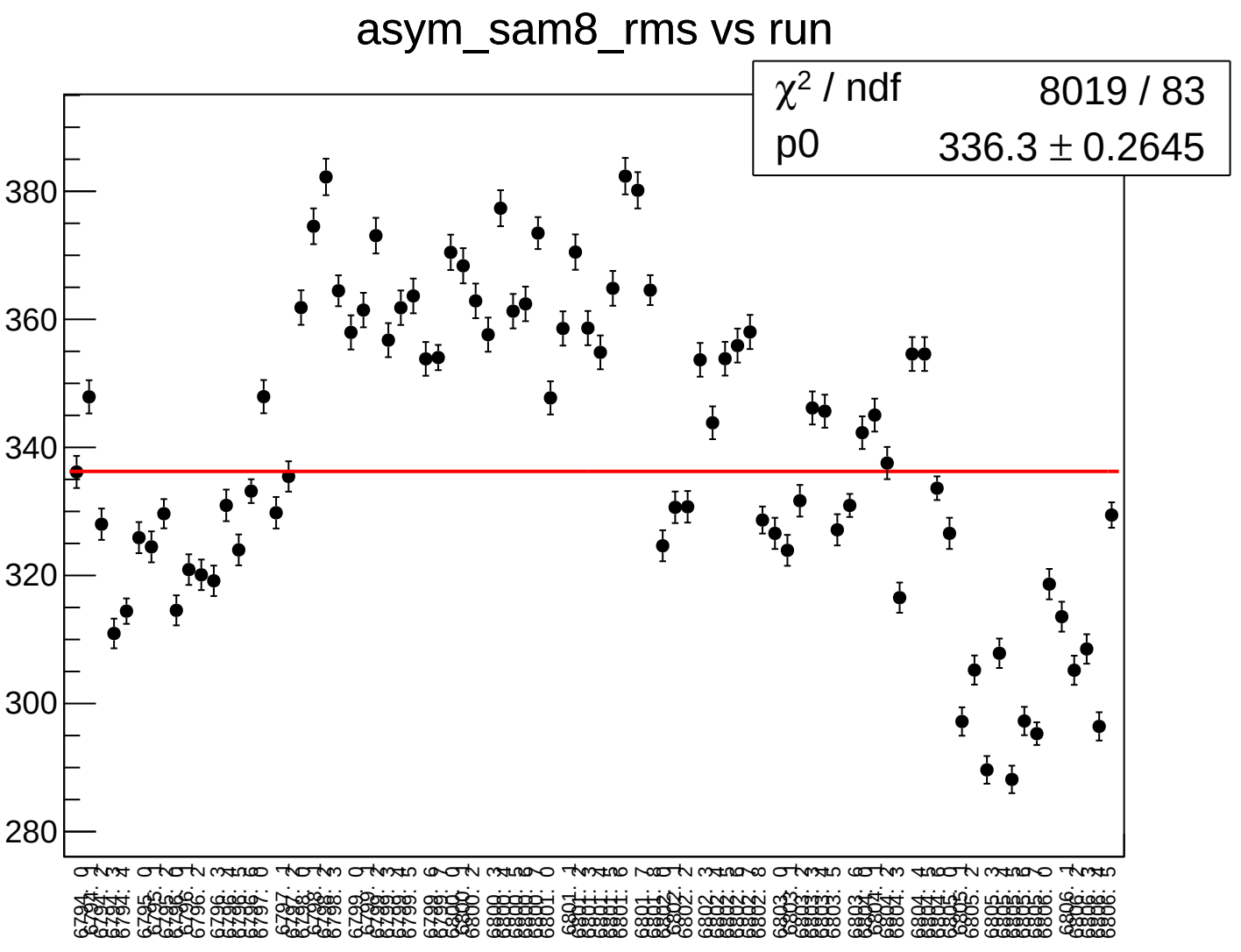

asym_sam8_correction_mean vs run
χ² / ndf 73.7 / 83
p0 87.69 ± 345.3
10000
5000
0
−5000
−10000
pull
Entries 84
Mean −142.6
Std Dev 184.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

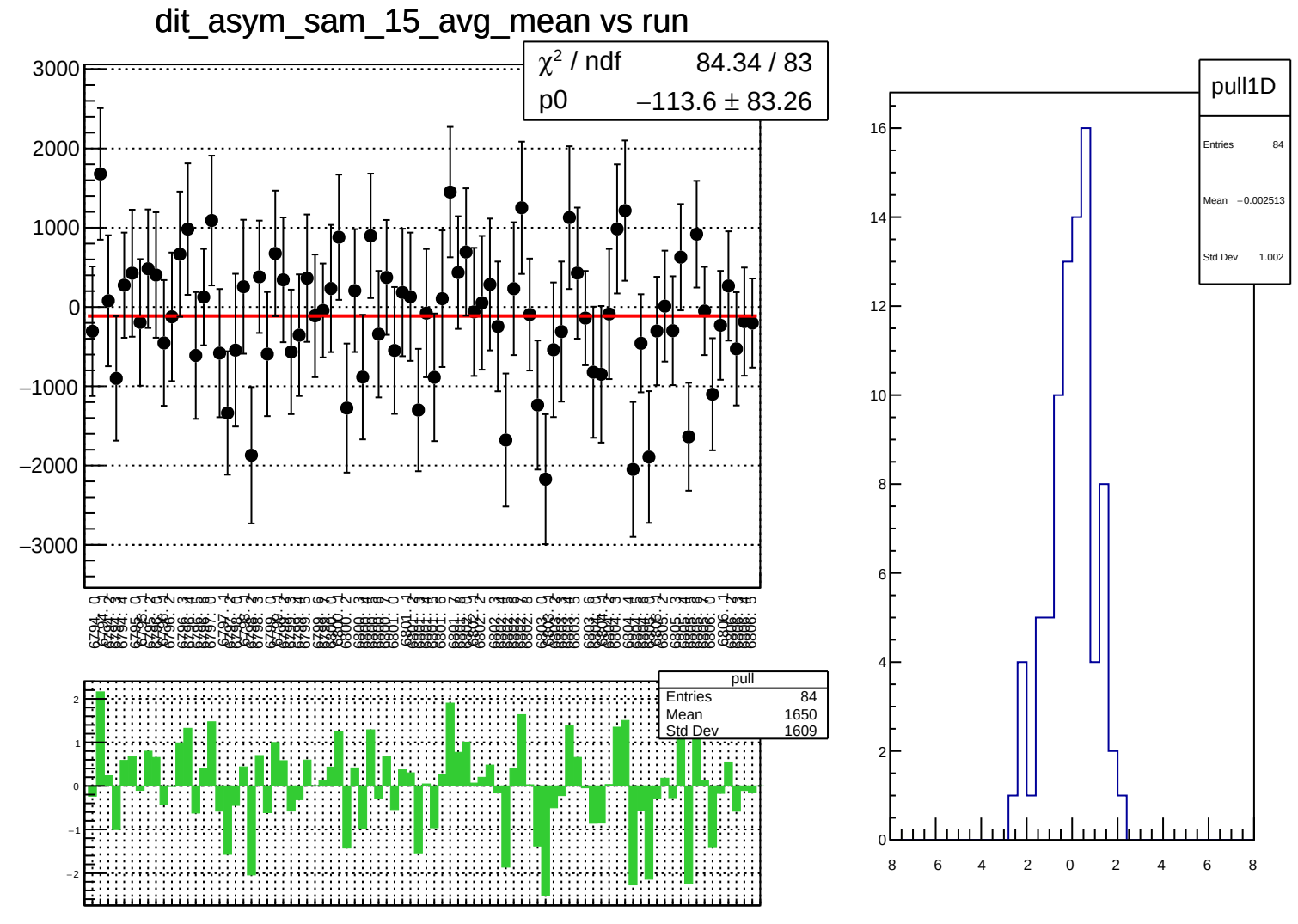

pull1D
Entries 84
Mean 0.006727
Std Dev 0.9366
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

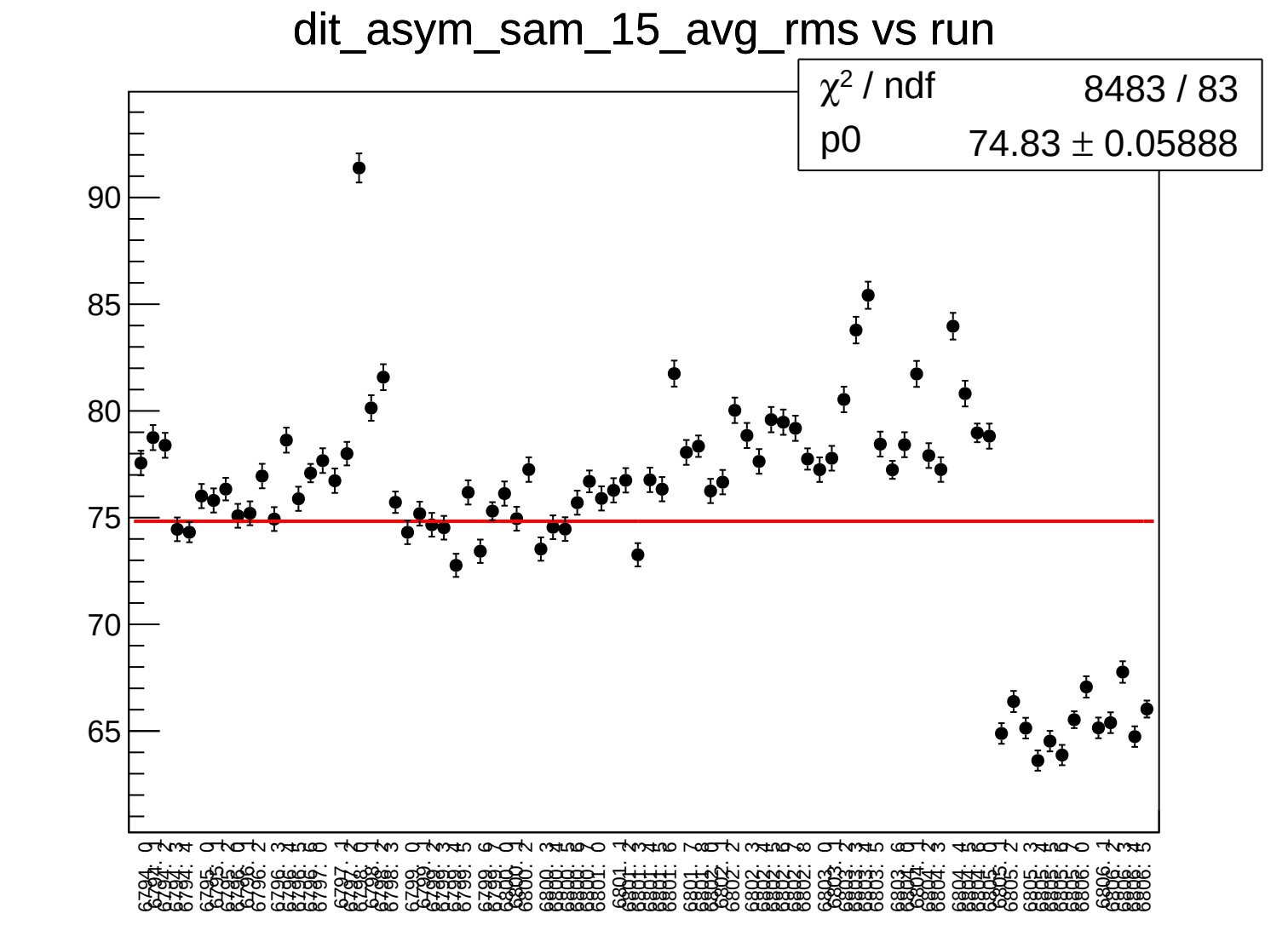

asym_sam8_correction_rms vs run
χ² / ndf 9984 / 83
p0 310.2 ± 0.2441
360
340
320
300
280
260

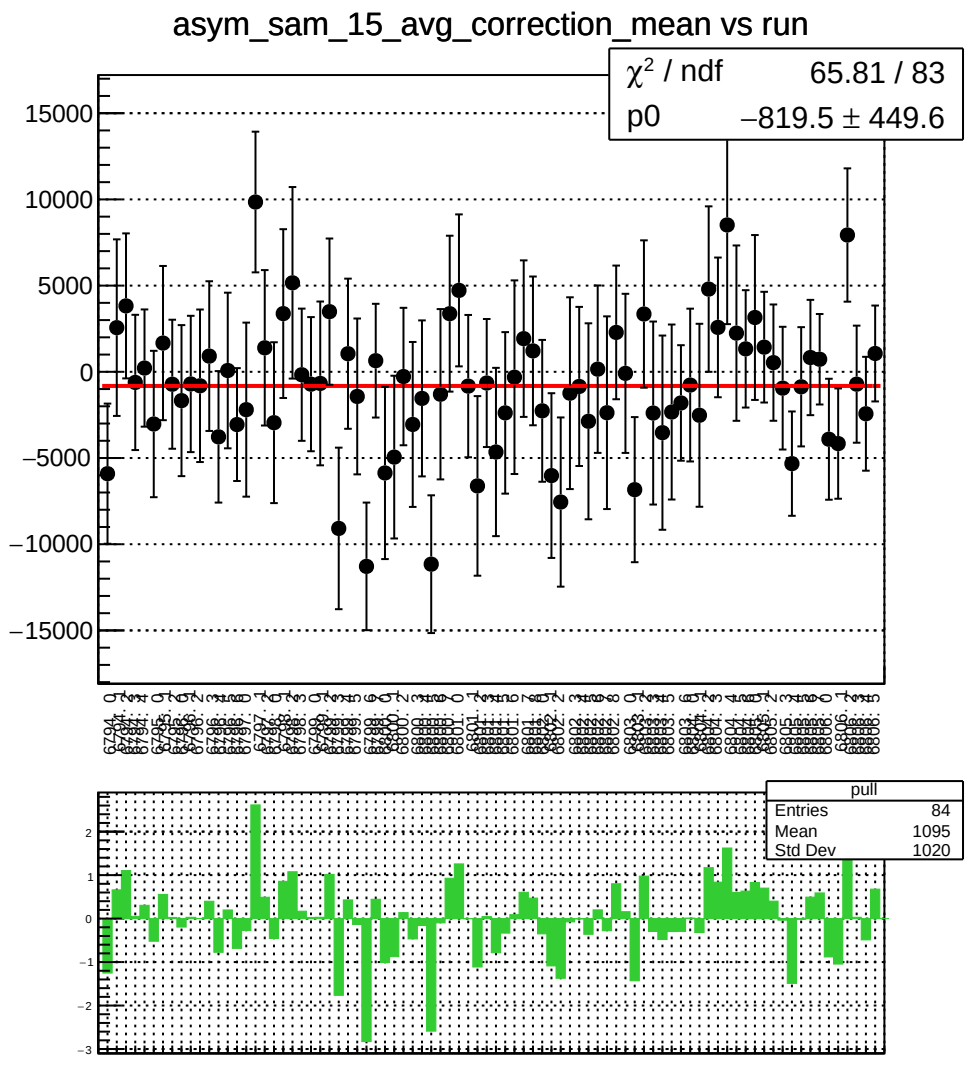

asym_sam8_mean vs run
χ² / ndf 73.06 / 83
p0 −68.34 ± 374.1
10000
5000
0
−5000
−10000
pull
Entries 84
Mean −22.91
Std Dev 63.67
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

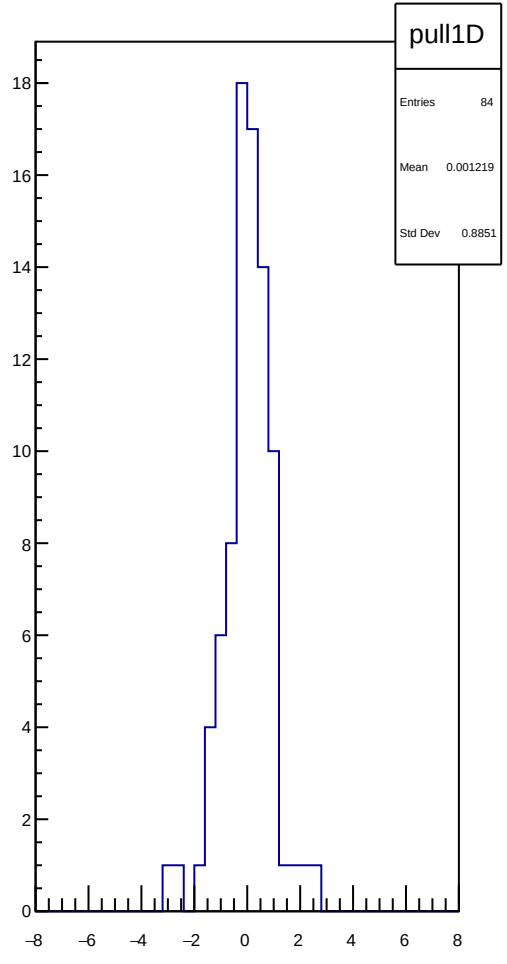

pull1D
Entries 84
Mean −0.006979
Std Dev 0.9326
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

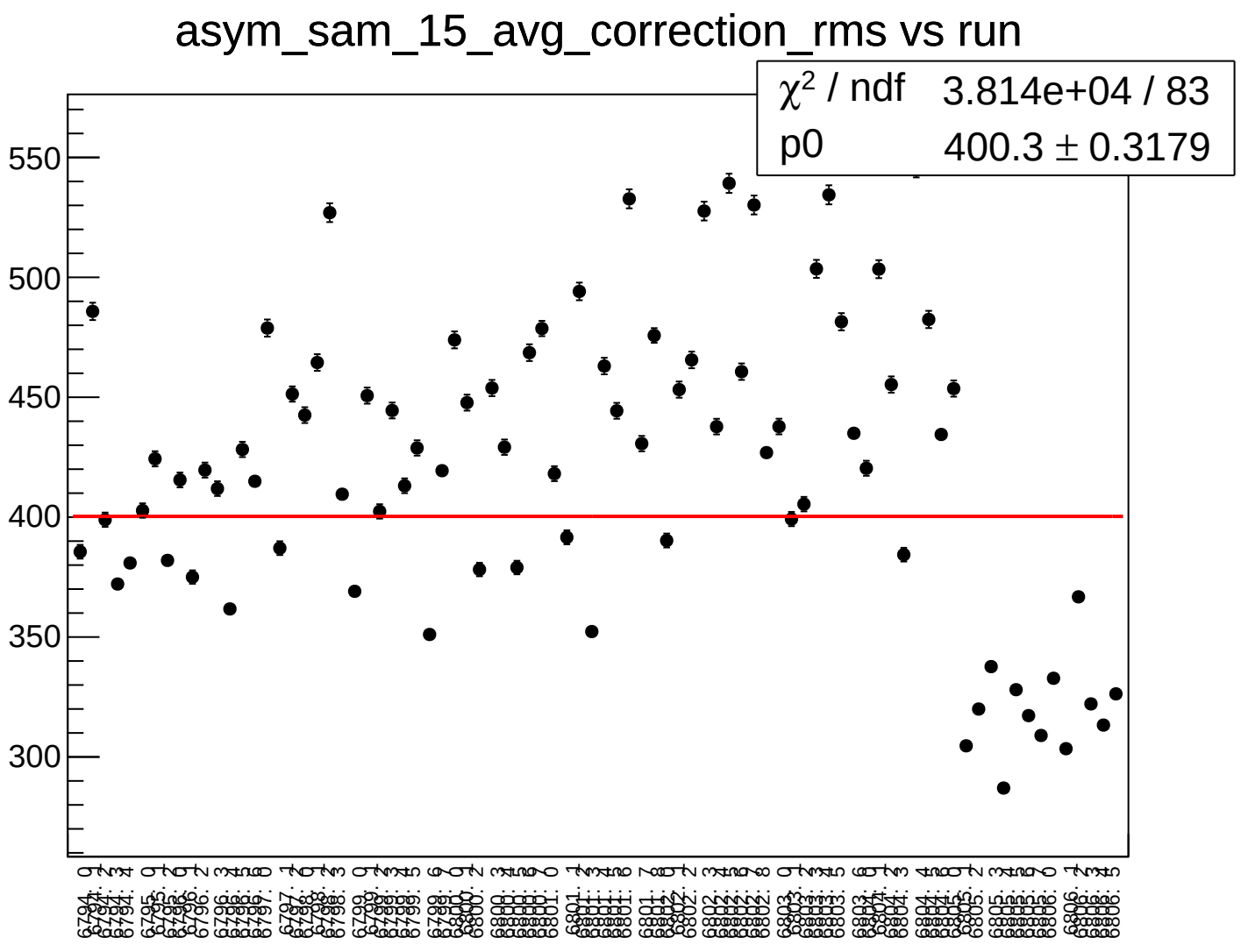

asym_sam8_rms vs run
χ^2 / ndf 8019 / 83
p0 336.3 ± 0.2645
380
360
340
320
300
280

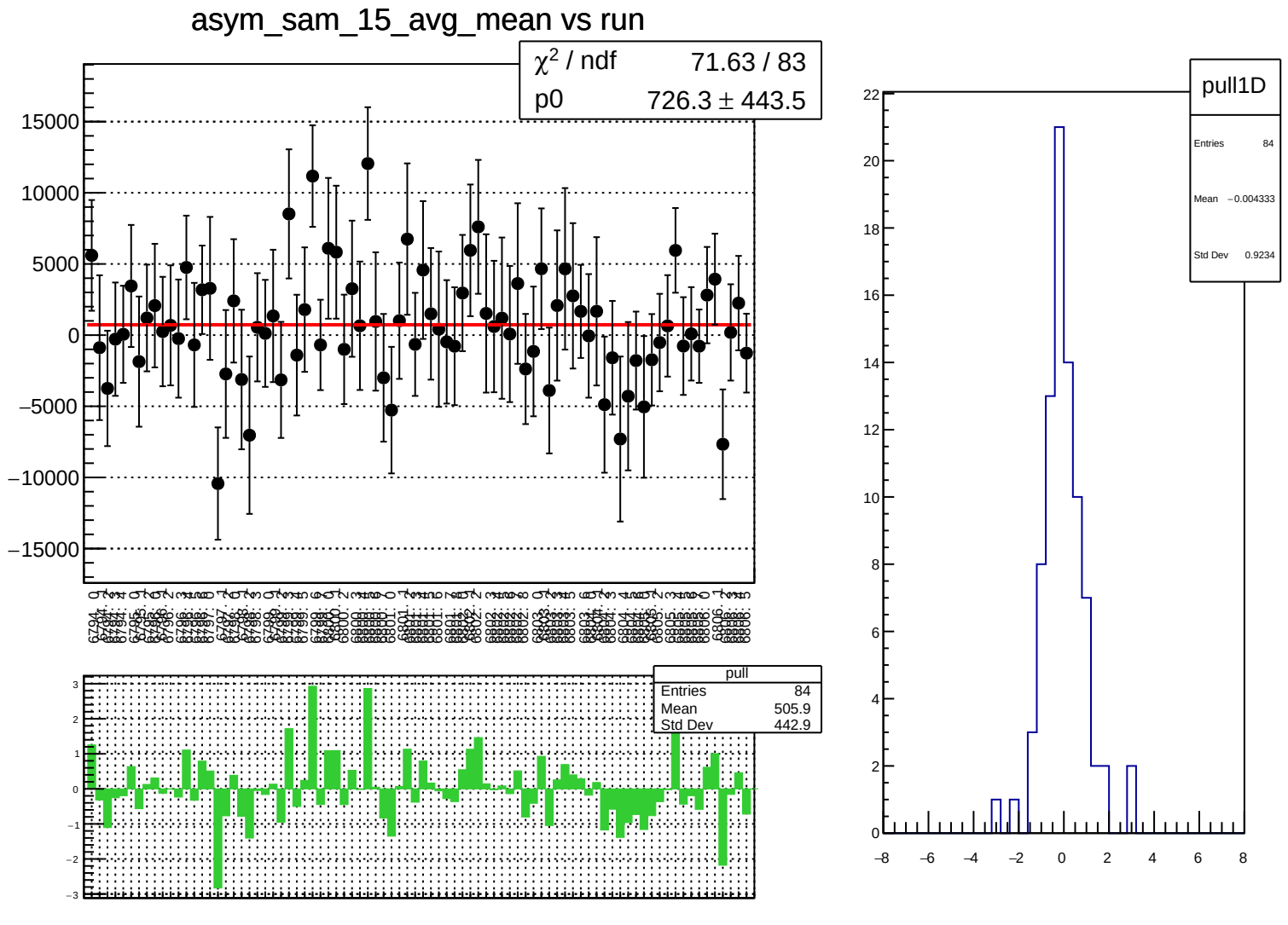

dit_asym_sam_15_avg_mean vs run
χ² / ndf 84.34 / 83
p0 −113.6 ± 83.26
pull
Entries 84
Mean 1650
Std Dev 1609
pull1D
Entries 84
Mean −0.002513
Std Dev 1.002

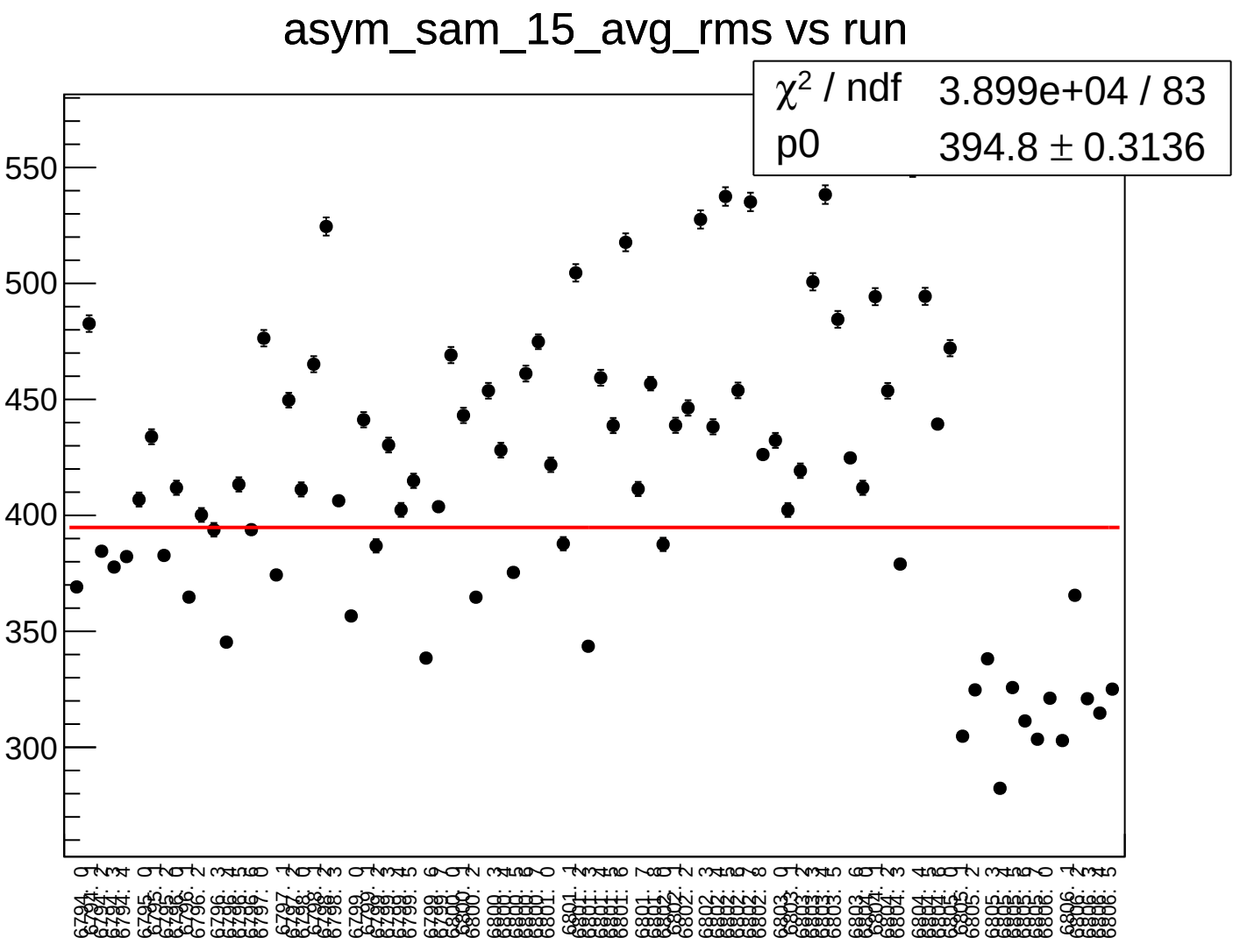

dit_asym_sam_15_avg_rms vs run
χ^2 / ndf 8483 / 83
p0 74.83 ± 0.05888
90
85
80
75
70
65

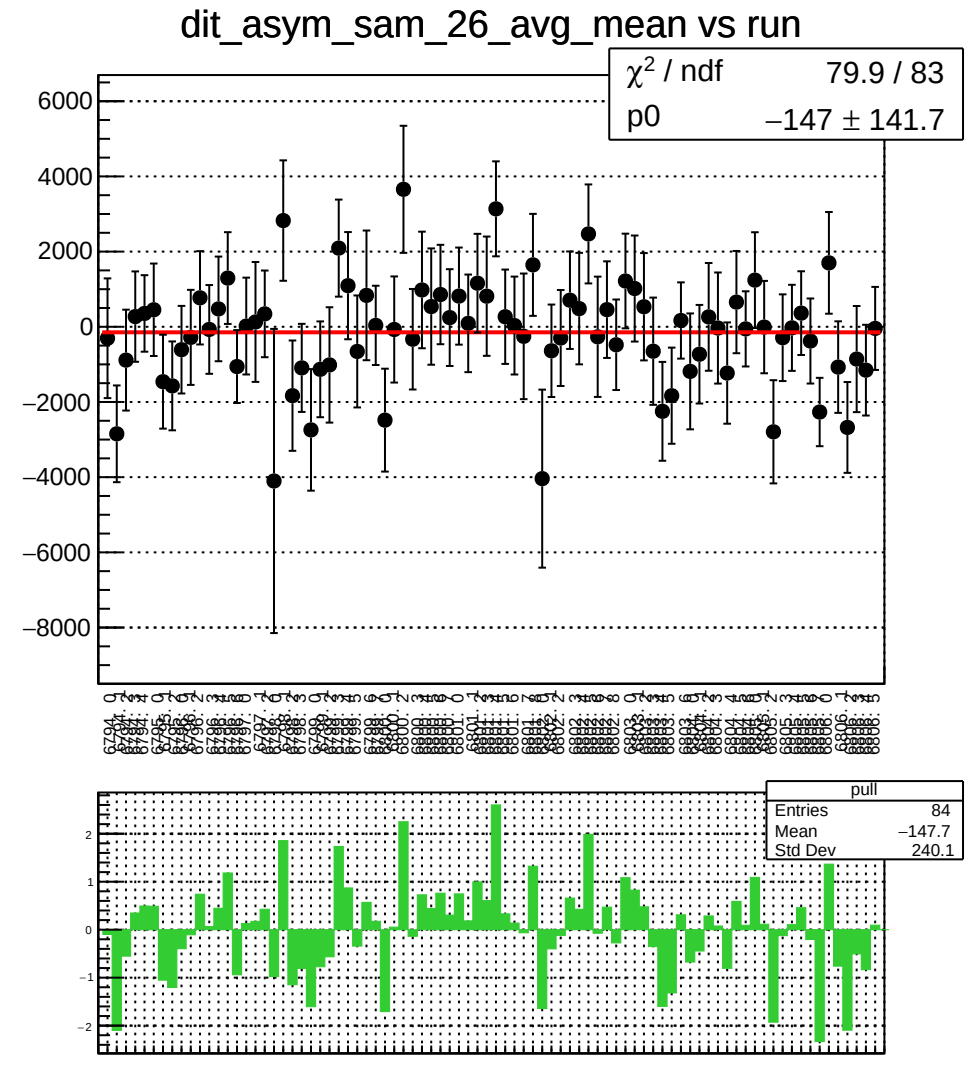

asym_sam_15_avg_correction_mean vs run
χ² / ndf 65.81 / 83
p0 −819.5 ± 449.6
pull
Entries 84
Mean 1095
Std Dev 1020

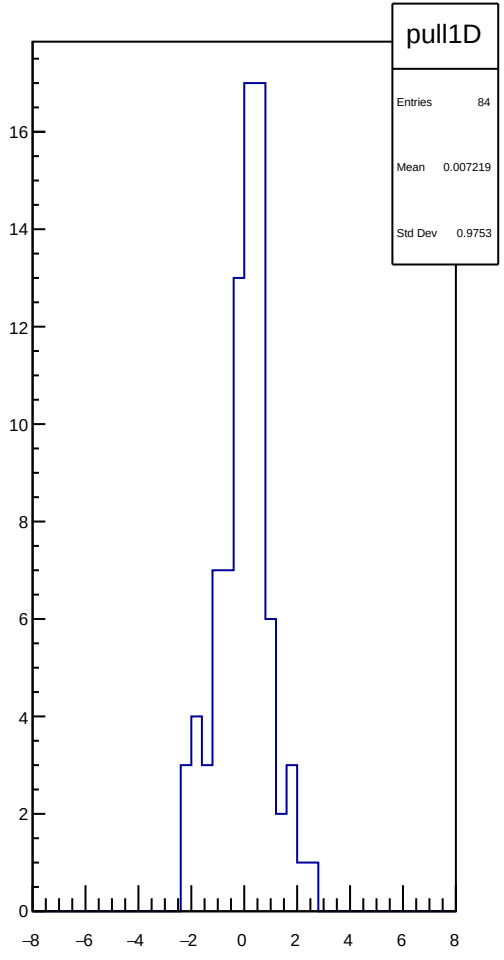

pull1D
Entries 84
Mean 0.001219
Std Dev 0.8851

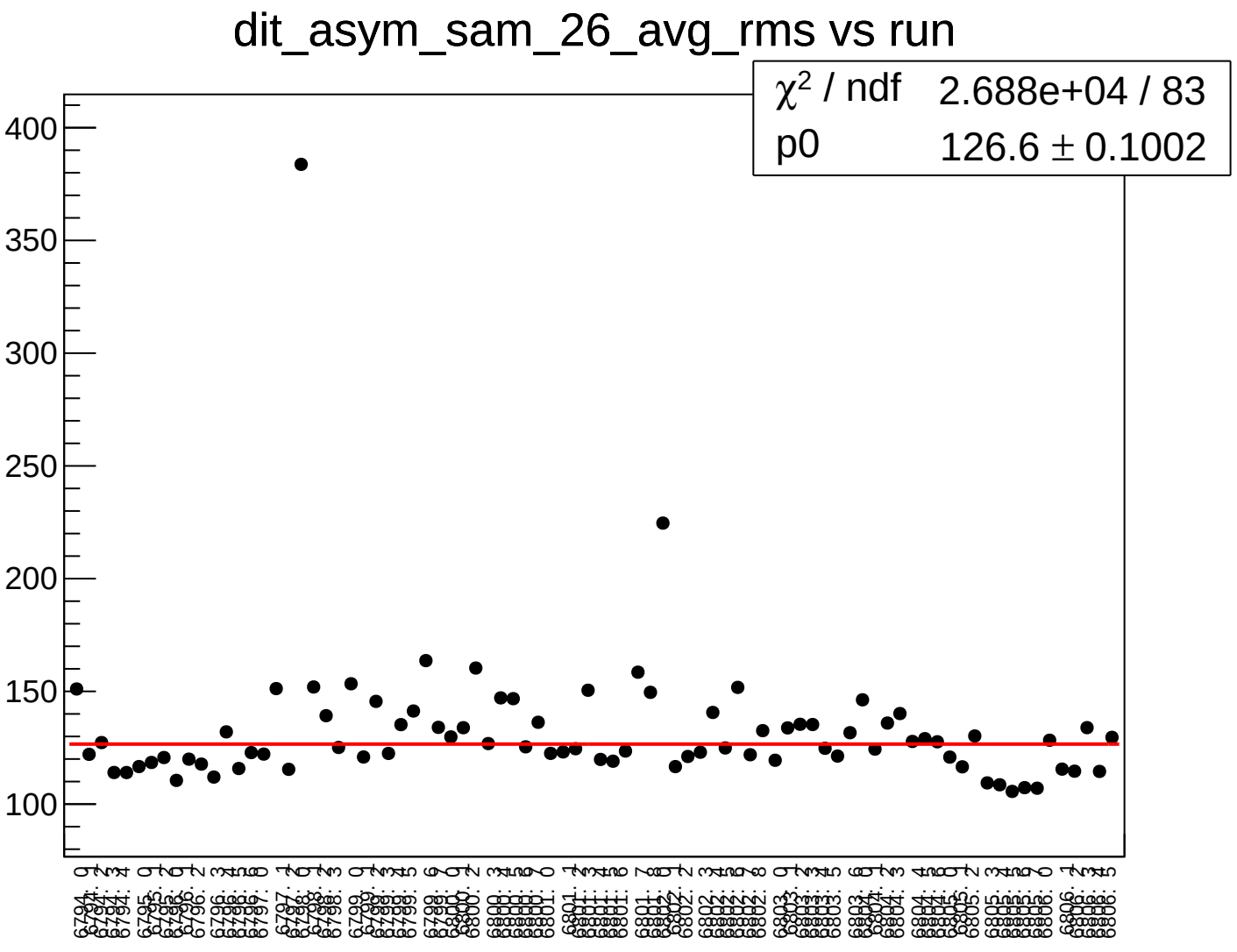

asym_sam_15_avg_correction_rms vs run
χ² / ndf 3.814e+04 / 83
p0 400.3 ± 0.3179
550
500
450
400
350
300

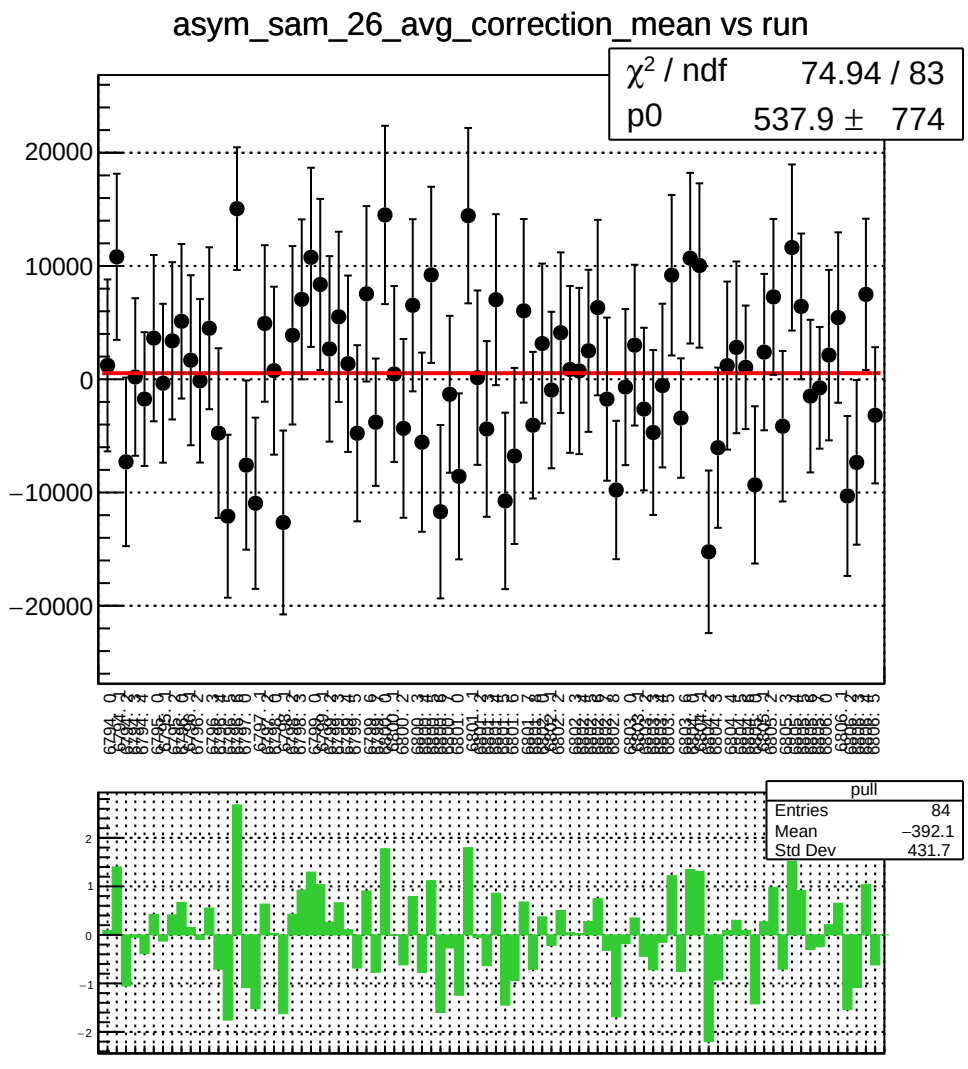

asym_sam_15_avg_mean vs run
χ² / ndf 71.63 / 83
p0 726.3 ± 443.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean 505.9
Std Dev 442.9
3
2
1
0
−1
−2
−3
pull1D
Entries 84
Mean −0.004333
Std Dev 0.9234
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

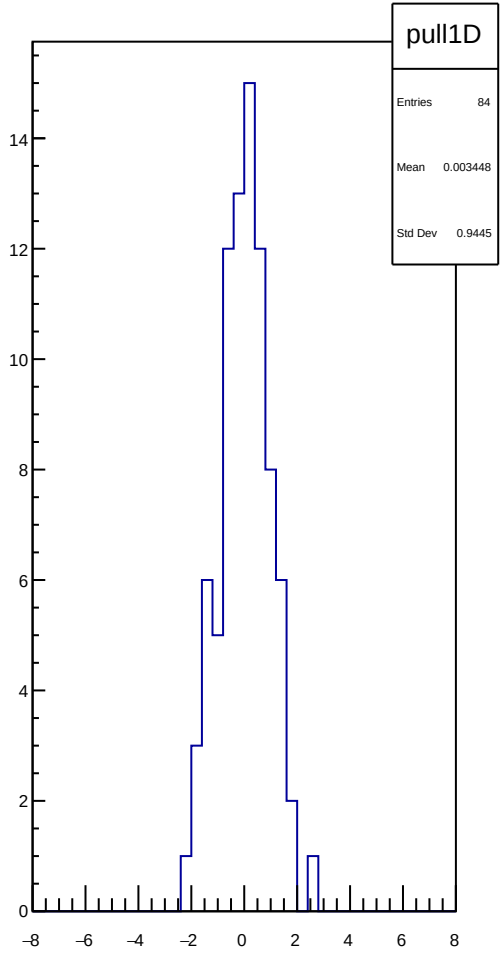

asym_sam_15_avg_rms vs run
χ^2 / ndf 3.899e+04 / 83
p0 394.8 ± 0.3136
550
500
450
400
350
300

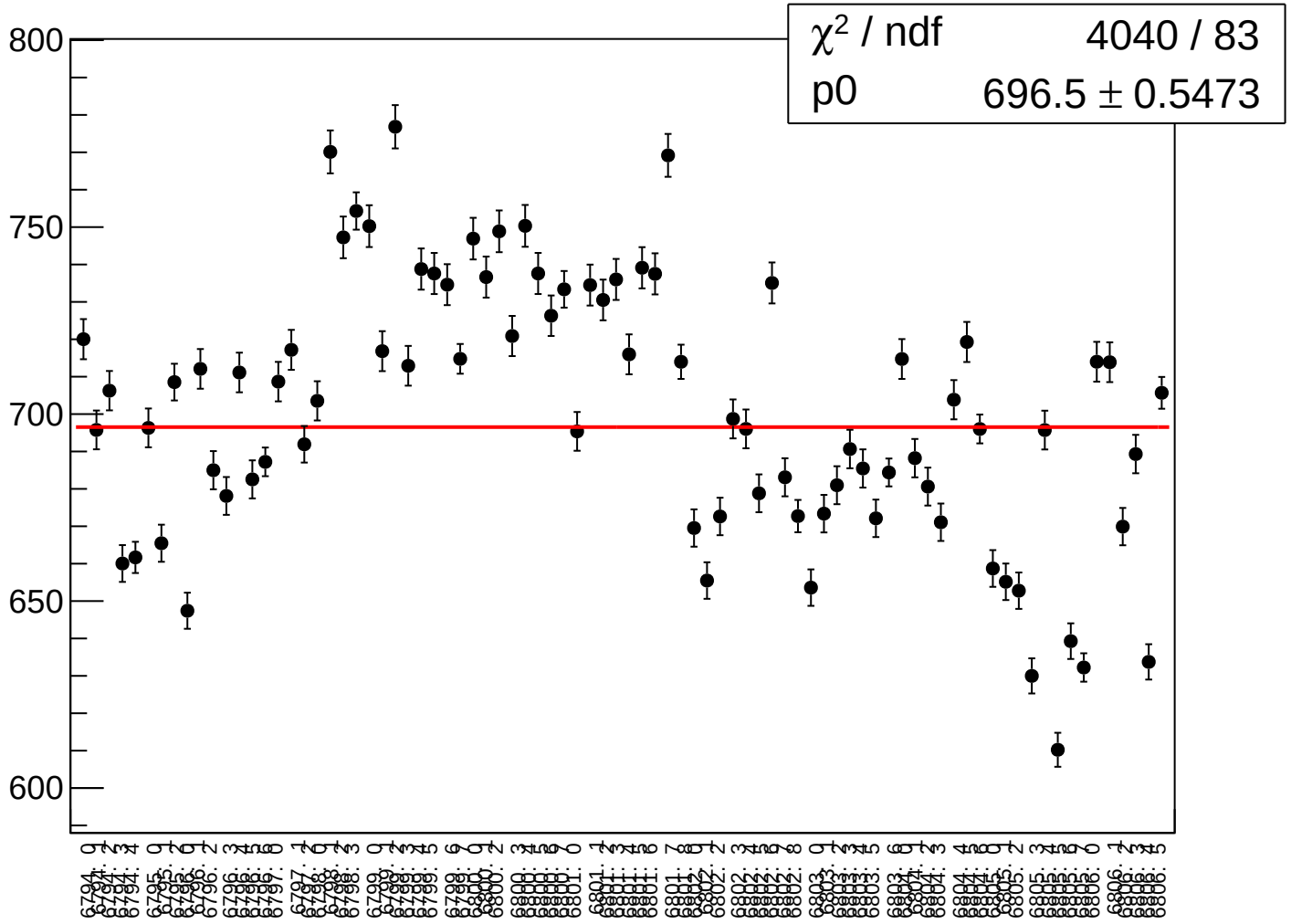

dit_asym_sam_26_avg_mean vs run
χ² / ndf 79.9 / 83
p0 −147 ± 141.7
pull
Entries 84
Mean −147.7
Std Dev 240.1

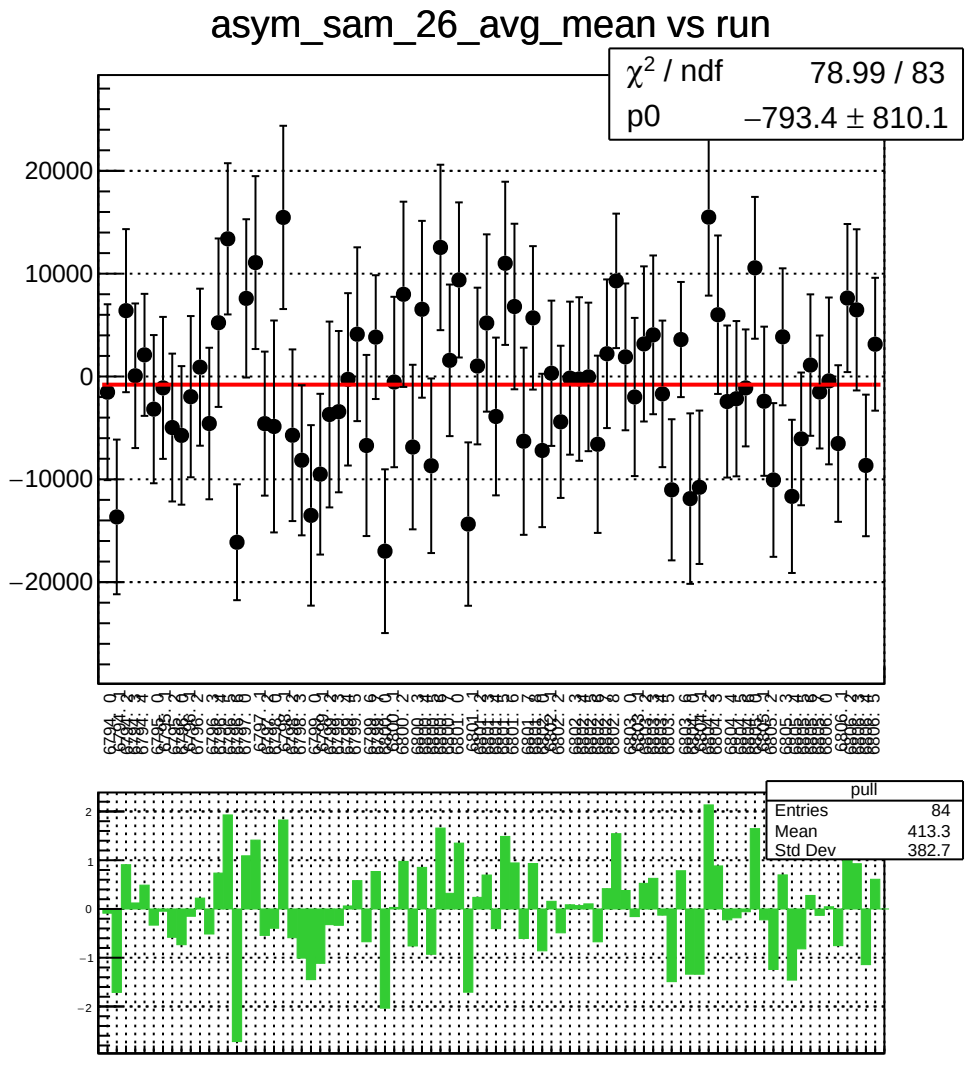

pull1D
Entries 84
Mean 0.007219
Std Dev 0.9753

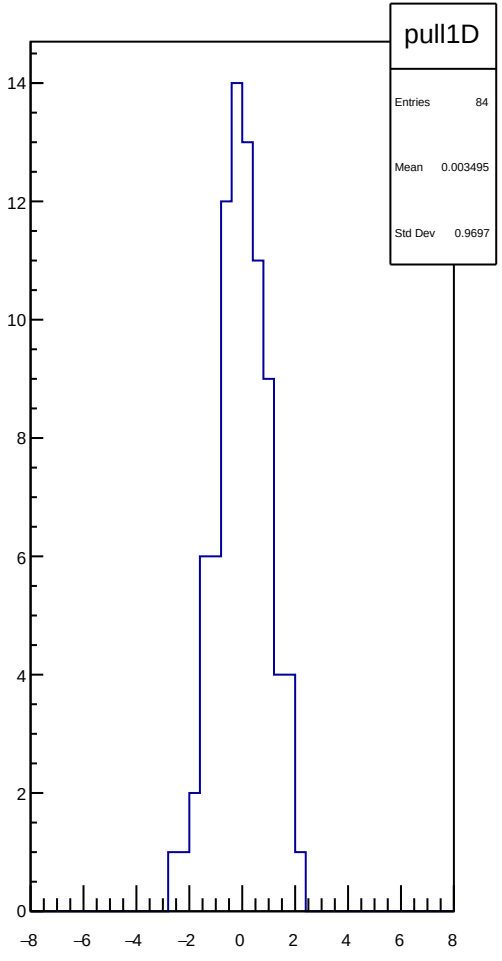

dit_asym_sam_26_avg_rms vs run
χ² / ndf 2.688e+04 / 83
p0 126.6 ± 0.1002
400
350
300
250
200
150
100

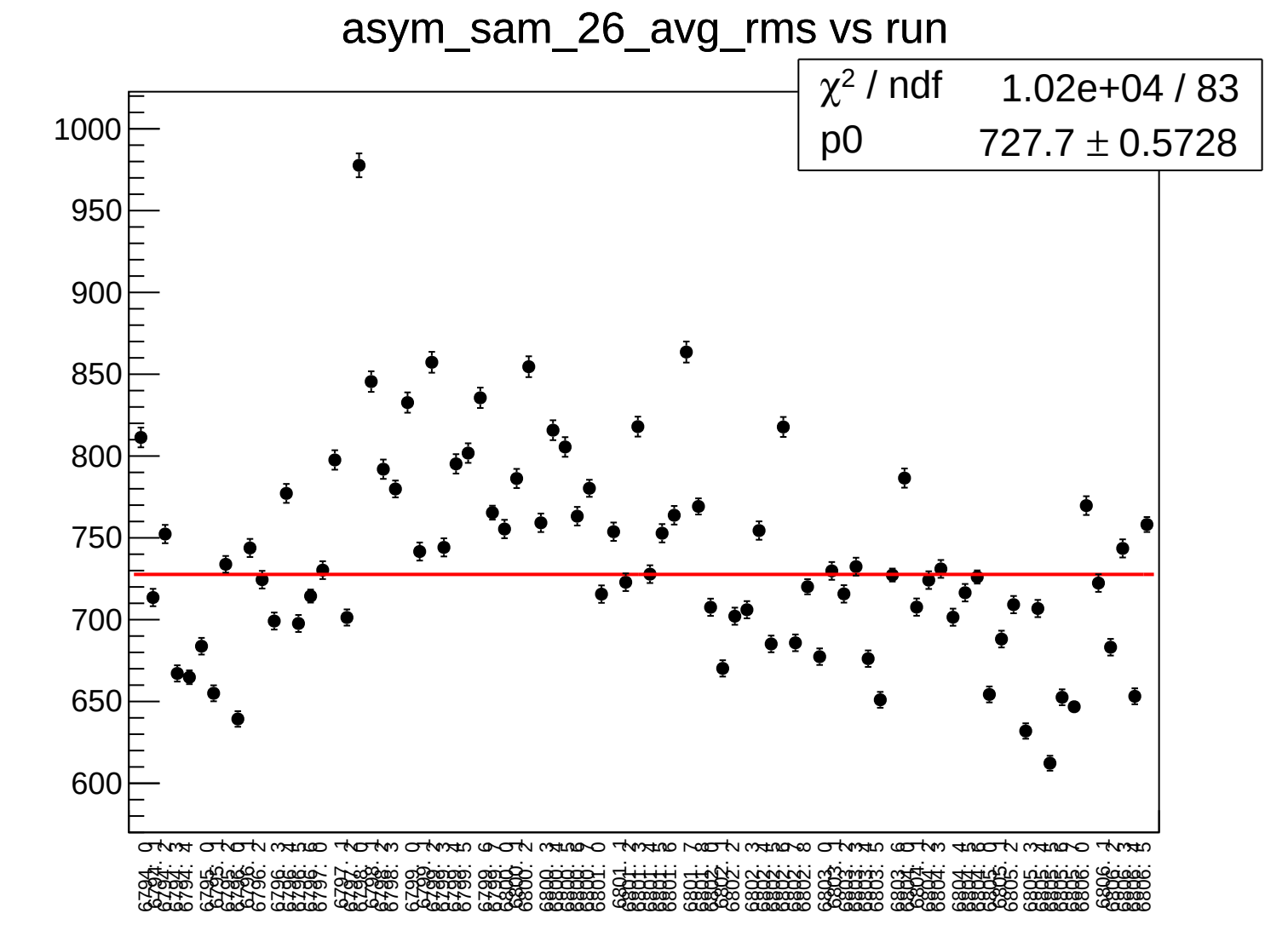

asym_sam_26_avg_correction_mean vs run
χ² / ndf 74.94 / 83
p0 537.9 ± 774
20000
10000
0
−10000
−20000
pull
Entries 84
Mean −392.1
Std Dev 431.7
2
1
0
−1
−2

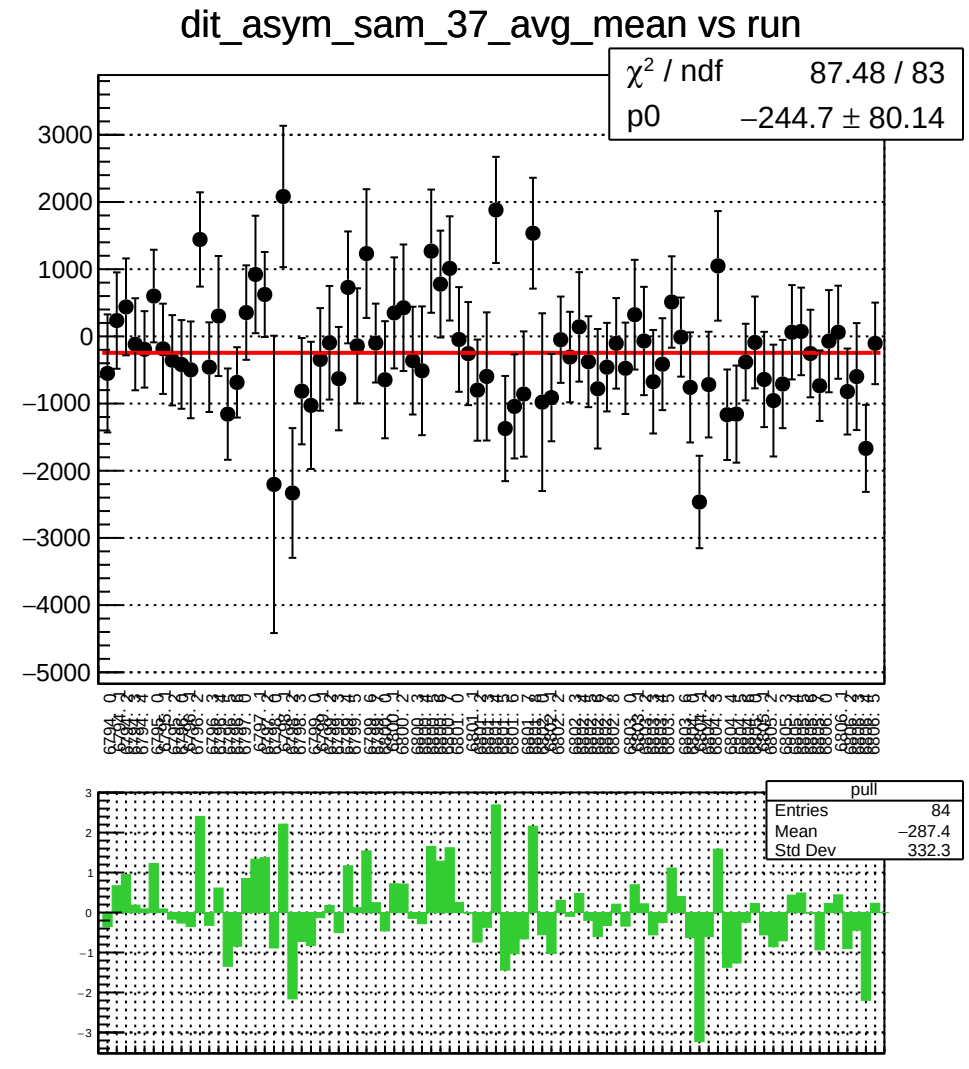

pull1D
Entries 84
Mean 0.003448
Std Dev 0.9445
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

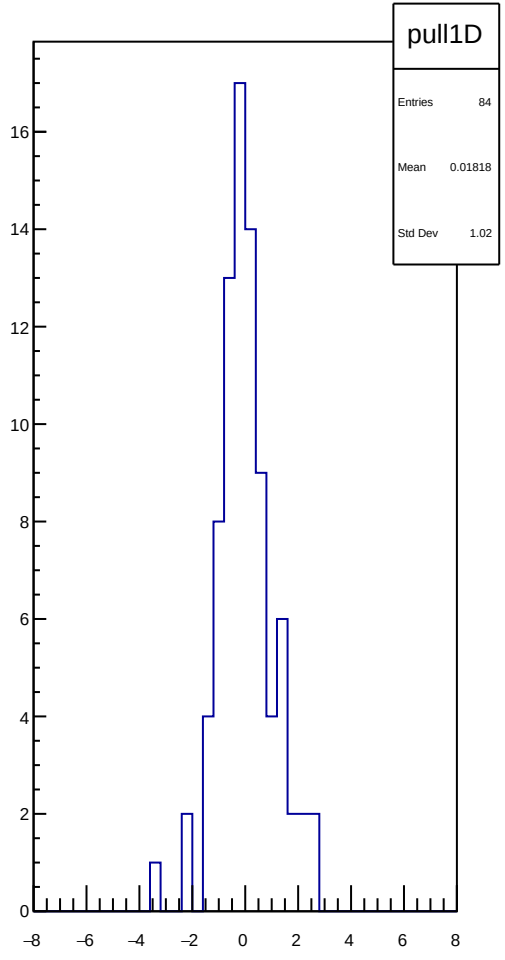

asym_sam_26_avg_correction_rms vs run
χ² / ndf 4040 / 83
p0 696.5 ± 0.5473
800
750
700
650
600

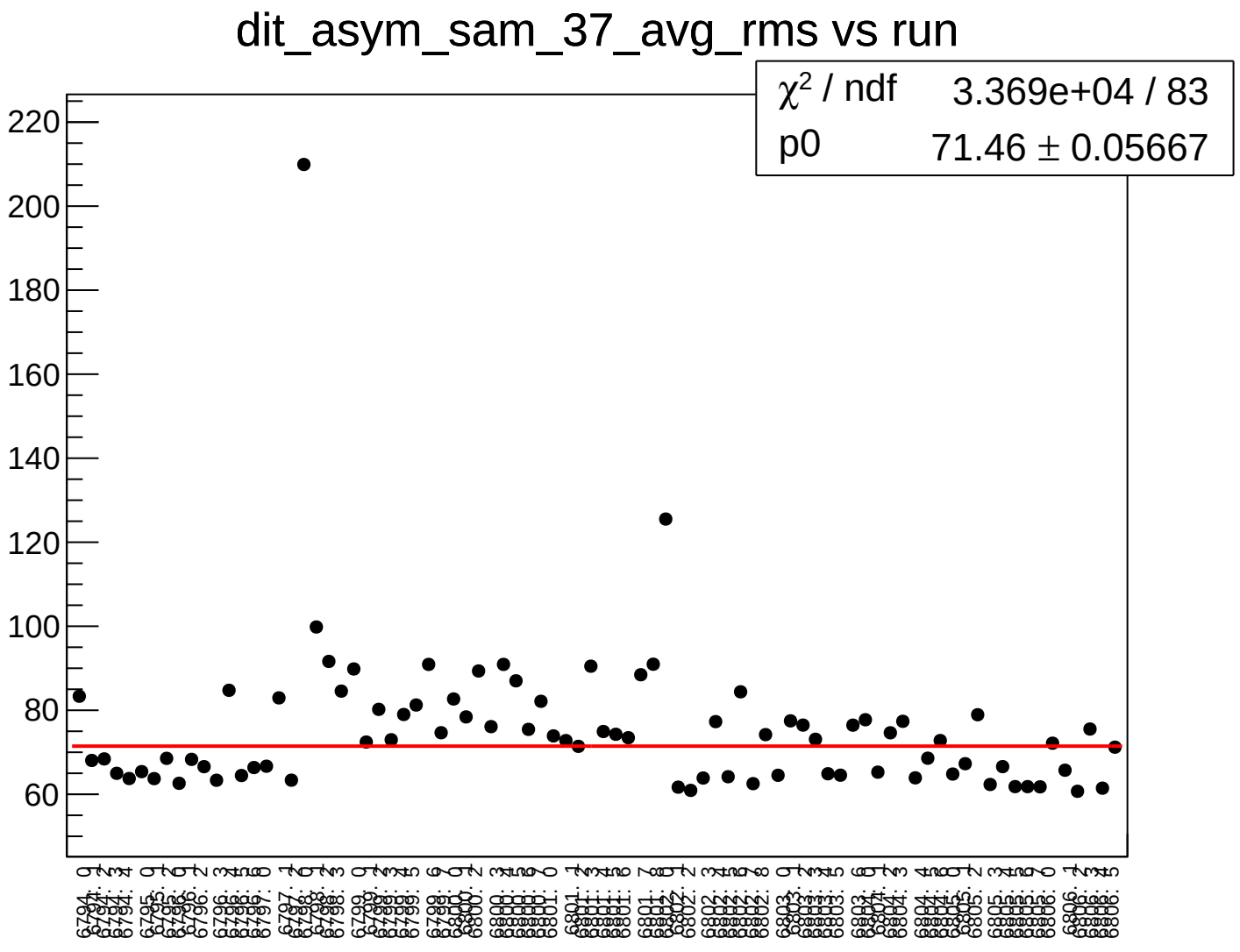

asym_sam_26_avg_mean vs run
χ² / ndf 78.99 / 83
p0 −793.4 ± 810.1
20000
10000
0
−10000
−20000
pull
Entries 84
Mean 413.3
Std Dev 382.7
2
1
0
−1
−2

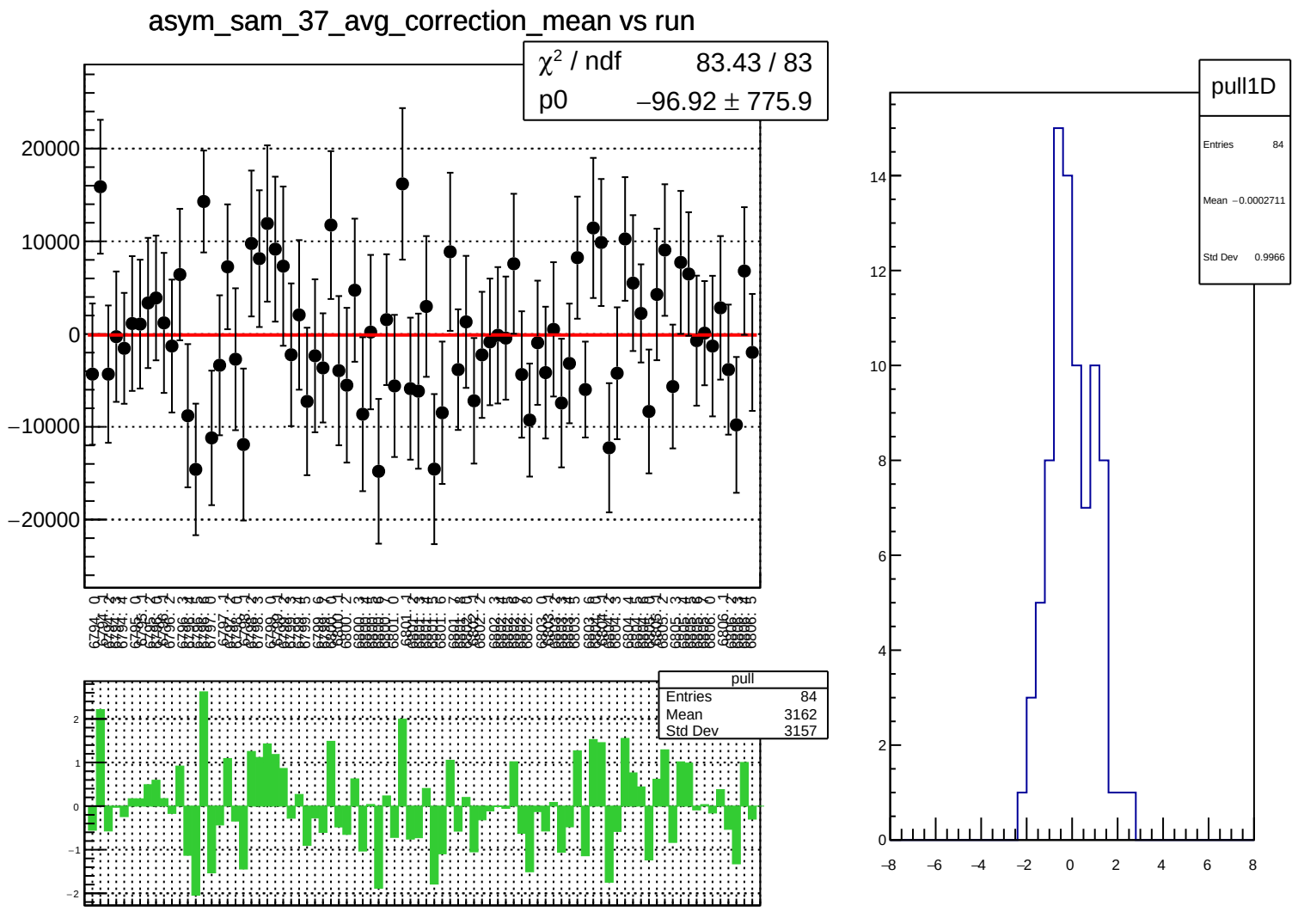

pull1D
Entries 84
Mean 0.003495
Std Dev 0.9697
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

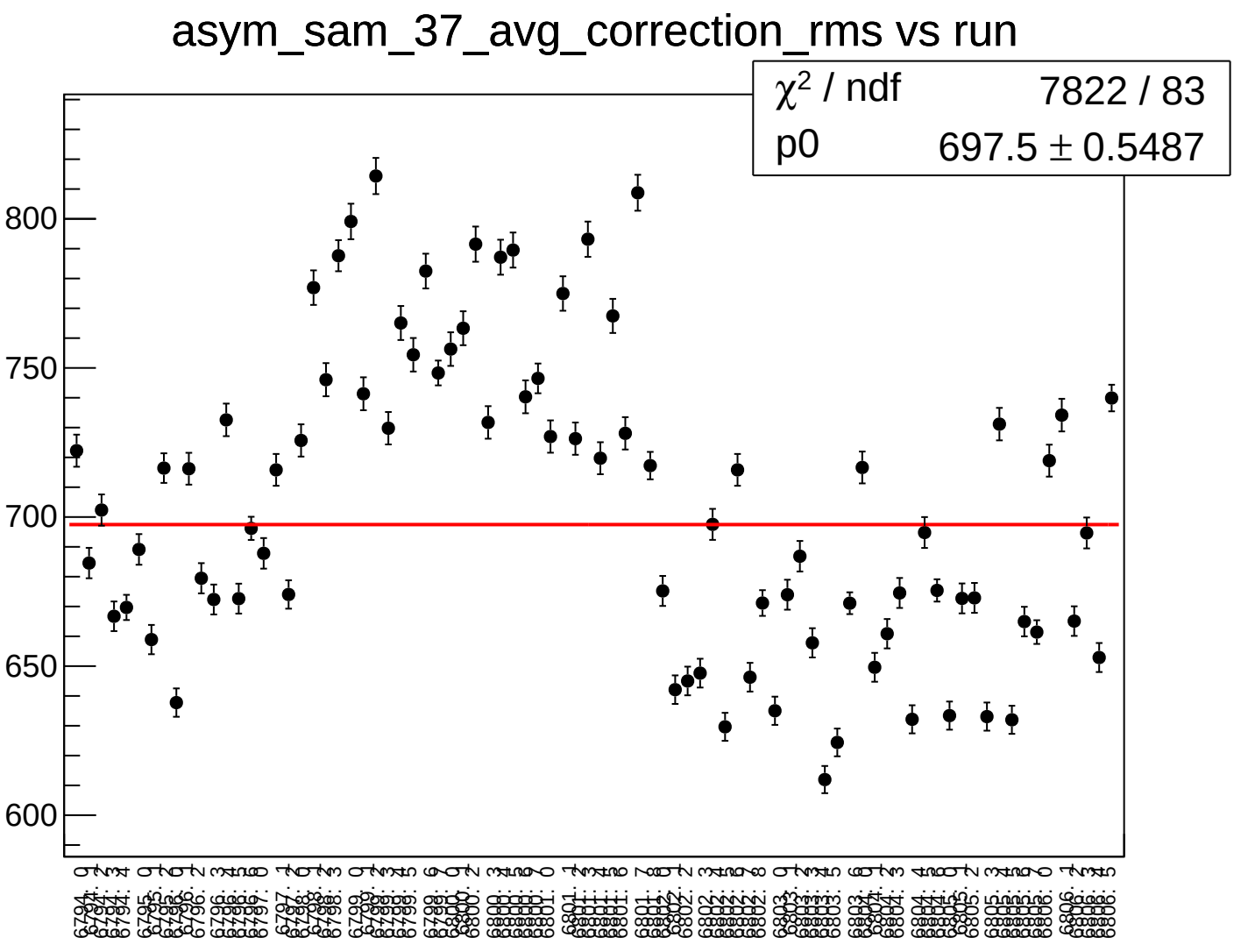

asym_sam_26_avg_rms vs run
χ² / ndf 1.02e+04 / 83
p0 727.7 ± 0.5728
1000
950
900
850
800
750
700
650
600

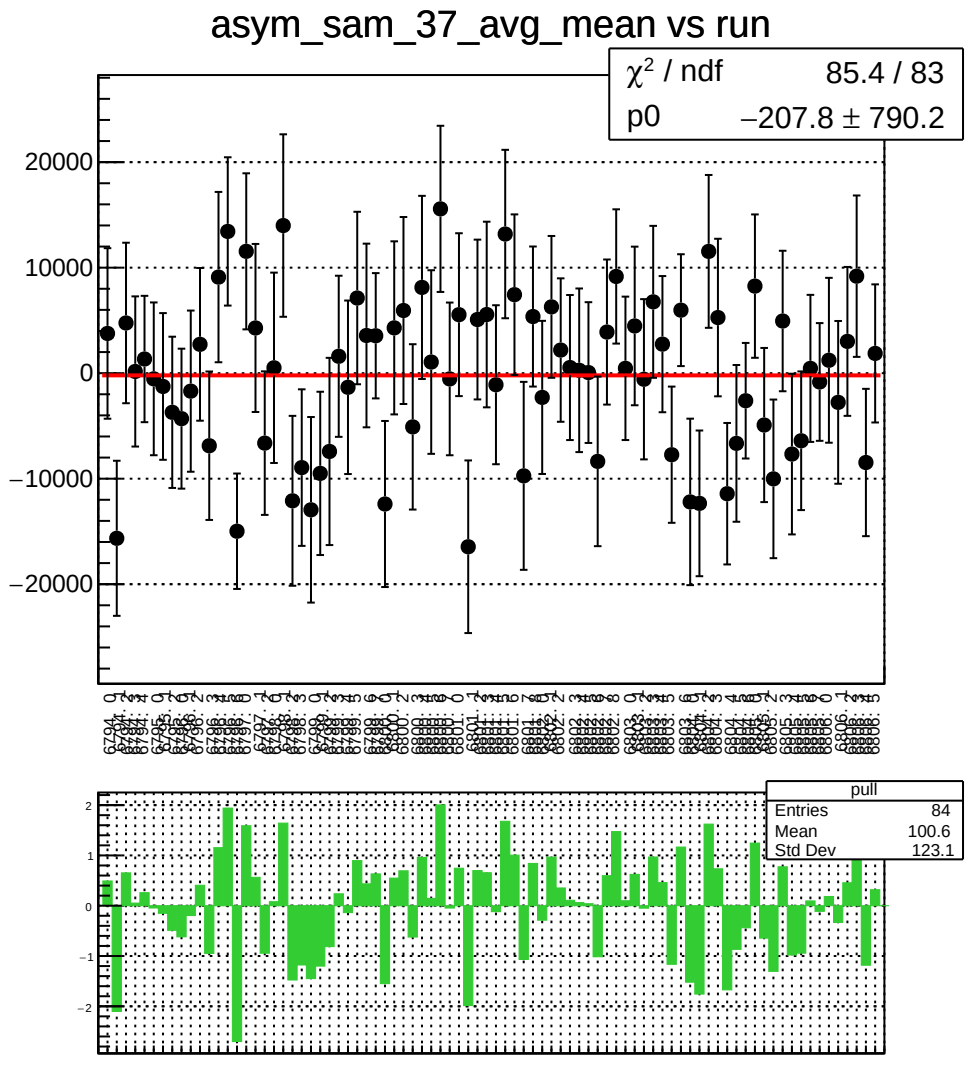

dit_asym_sam_37_avg_mean vs run
χ² / ndf 87.48 / 83
p0 −244.7 ± 80.14
pull
Entries 84
Mean −287.4
Std Dev 332.3

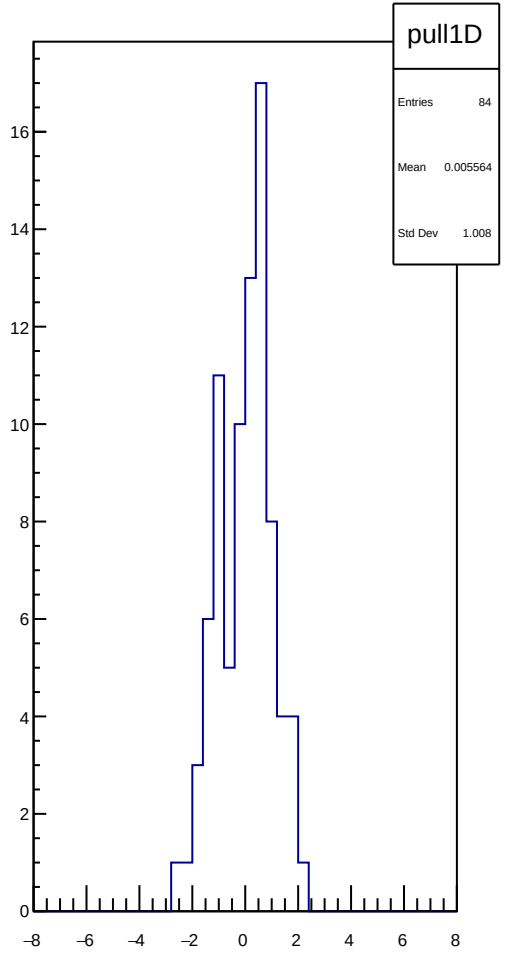

pull1D
Entries 84
Mean 0.01818
Std Dev 1.02

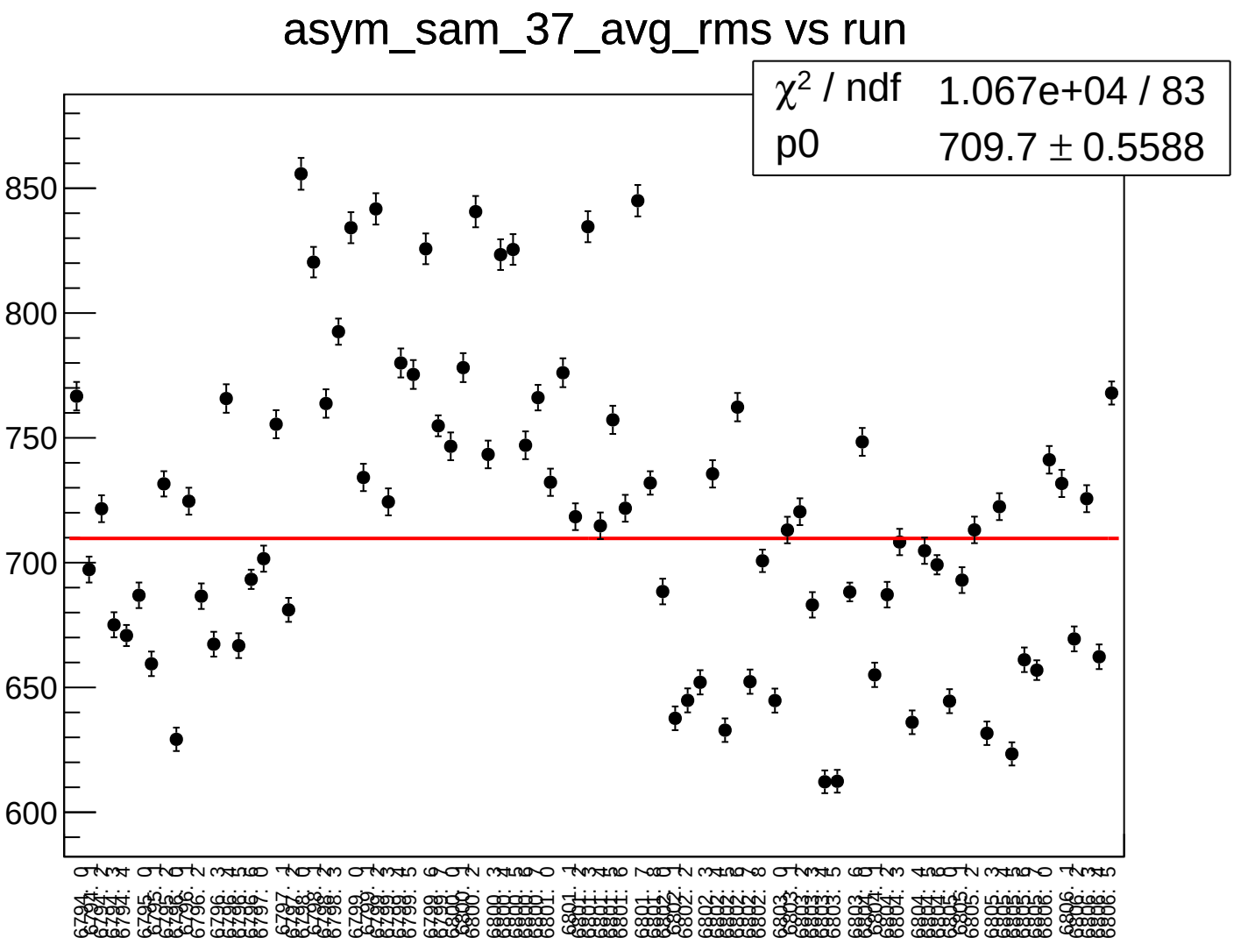

dit_asym_sam_37_avg_rms vs run
χ^2 / ndf 3.369e+04 / 83
p0 71.46 ± 0.05667
220
200
180
160
140
120
100
80
60

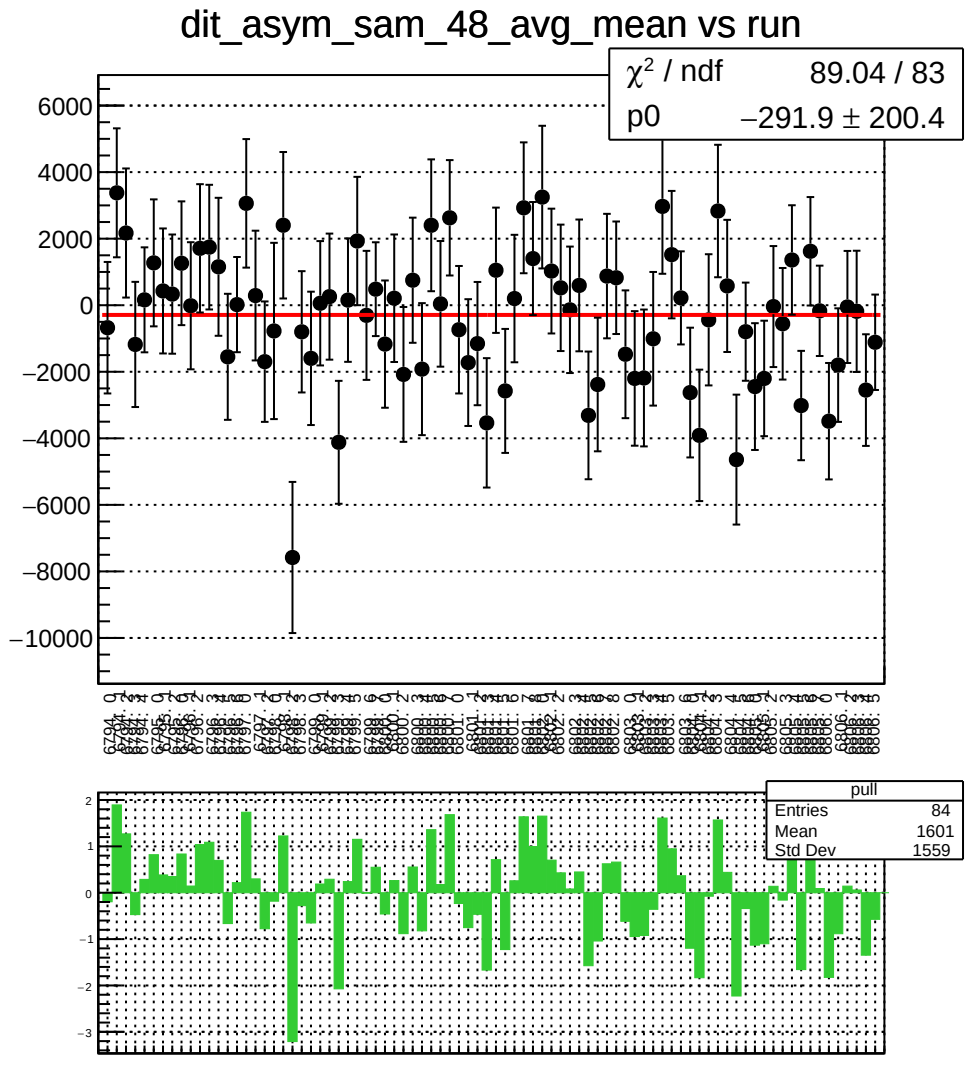

asym_sam_37_avg_correction_mean vs run
χ² / ndf 83.43 / 83
p0 −96.92 ± 775.9
20000
10000
0
−10000
−20000
pull
Entries 84
Mean 3162
Std Dev 3157
pull1D
Entries 84
Mean −0.0002711
Std Dev 0.9966

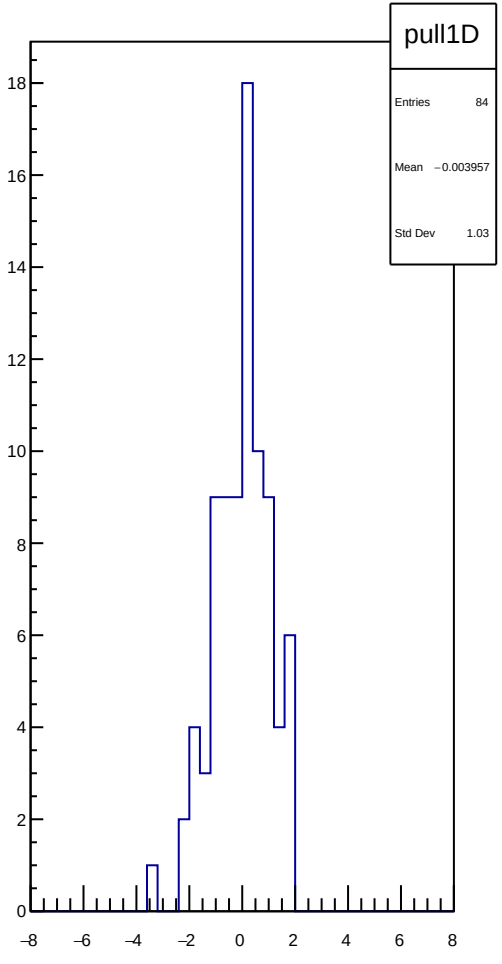

asym_sam_37_avg_correction_rms vs run
χ² / ndf 7822 / 83
p0 697.5 ± 0.5487
800
750
700
650
600

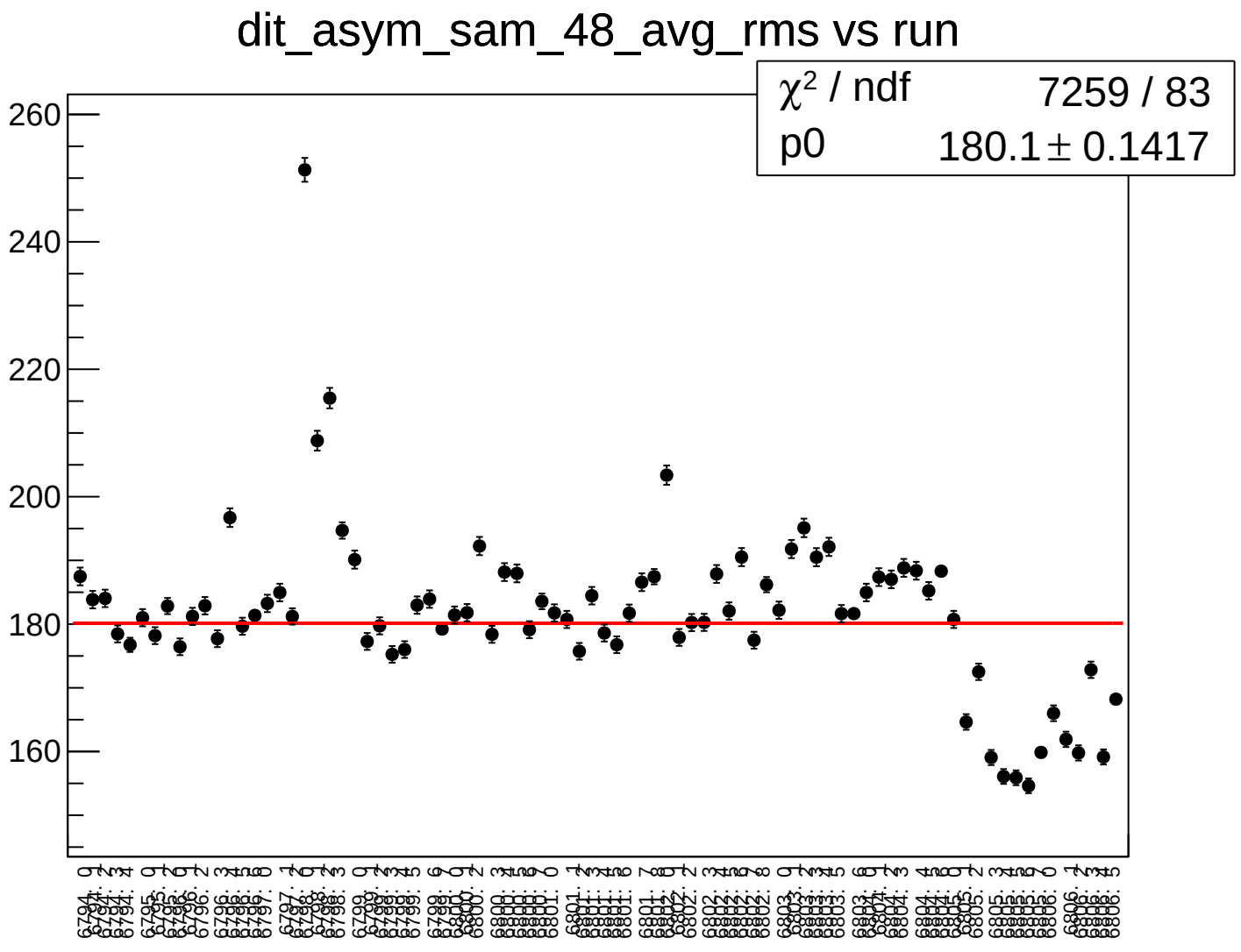

asym_sam_37_avg_mean vs run
χ² / ndf 85.4 / 83
p0 −207.8 ± 790.2
20000
10000
0
−10000
−20000
pull
Entries 84
Mean 100.6
Std Dev 123.1
2
1
0
−1
−2

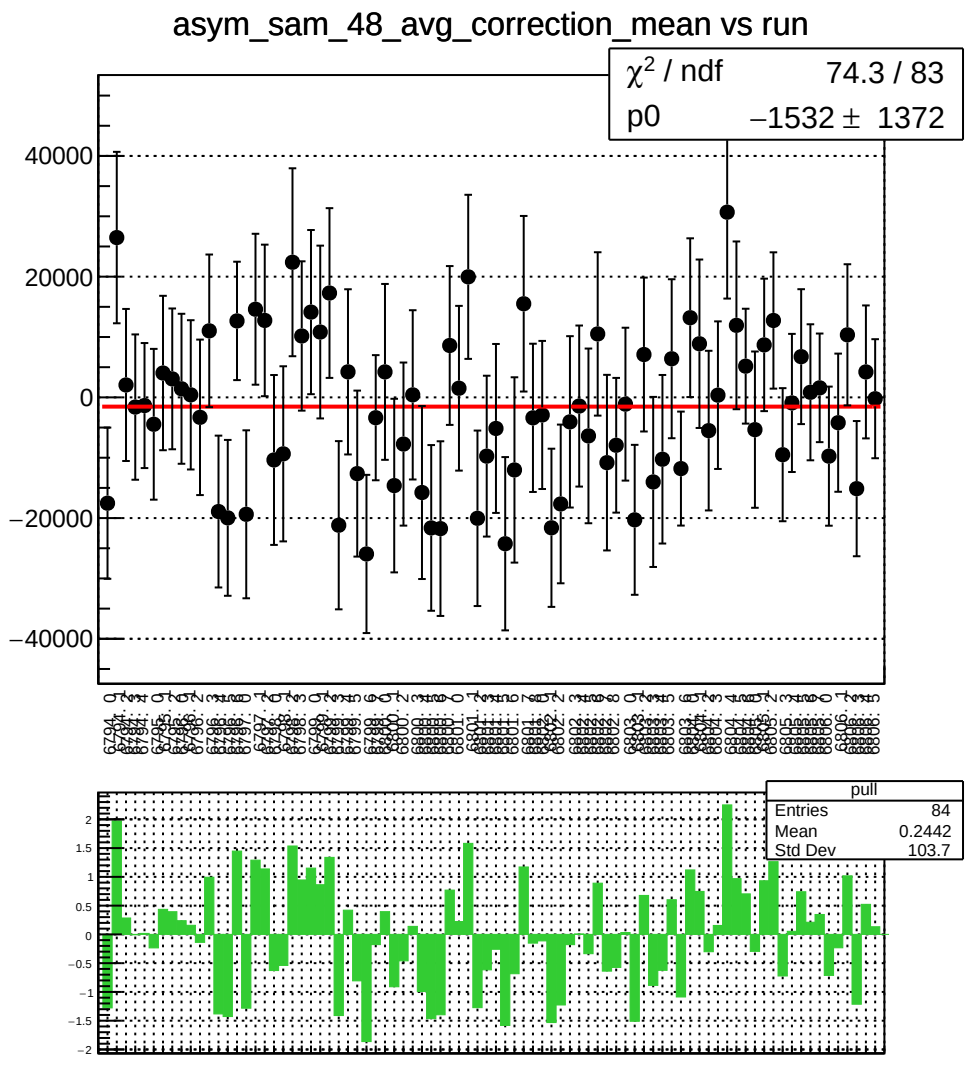

pull1D
Entries 84
Mean 0.005564
Std Dev 1.008
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

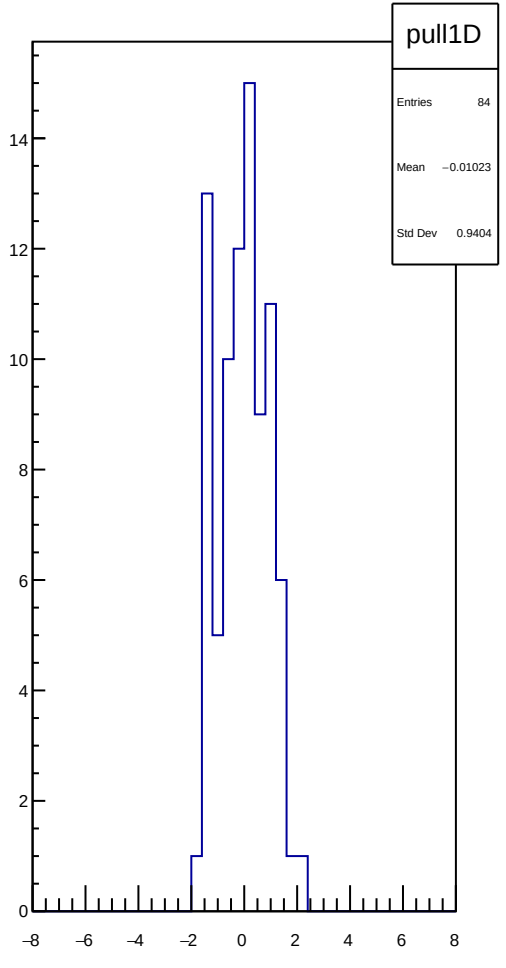

asym_sam_37_avg_rms vs run
χ^2 / ndf 1.067e+04 / 83
p0 709.7 ± 0.5588
850
800
750
700
650
600

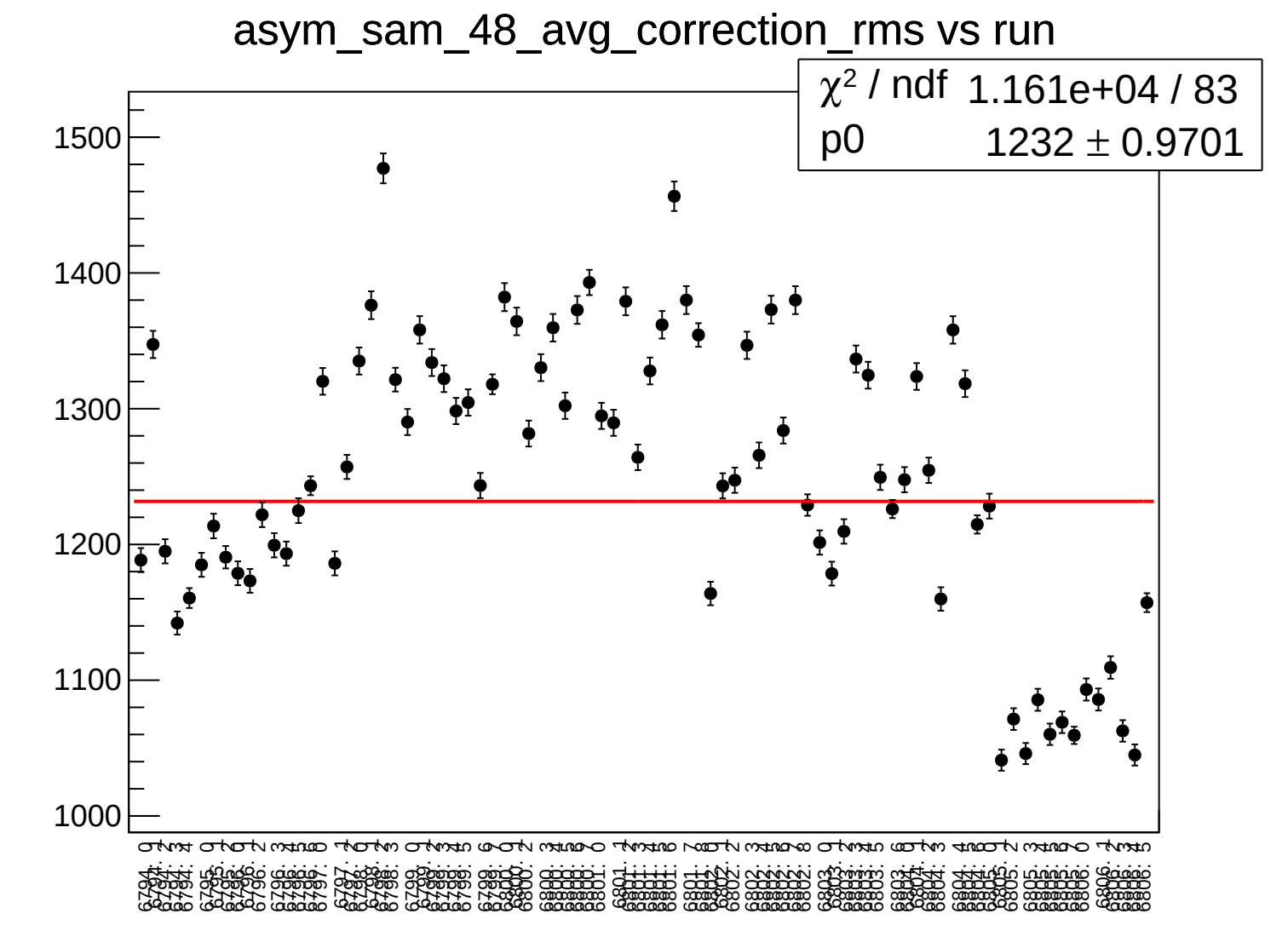

dit_asym_sam_48_avg_mean vs run
χ² / ndf 89.04 / 83
p0 −291.9 ± 200.4
pull
Entries 84
Mean 1601
Std Dev 1559

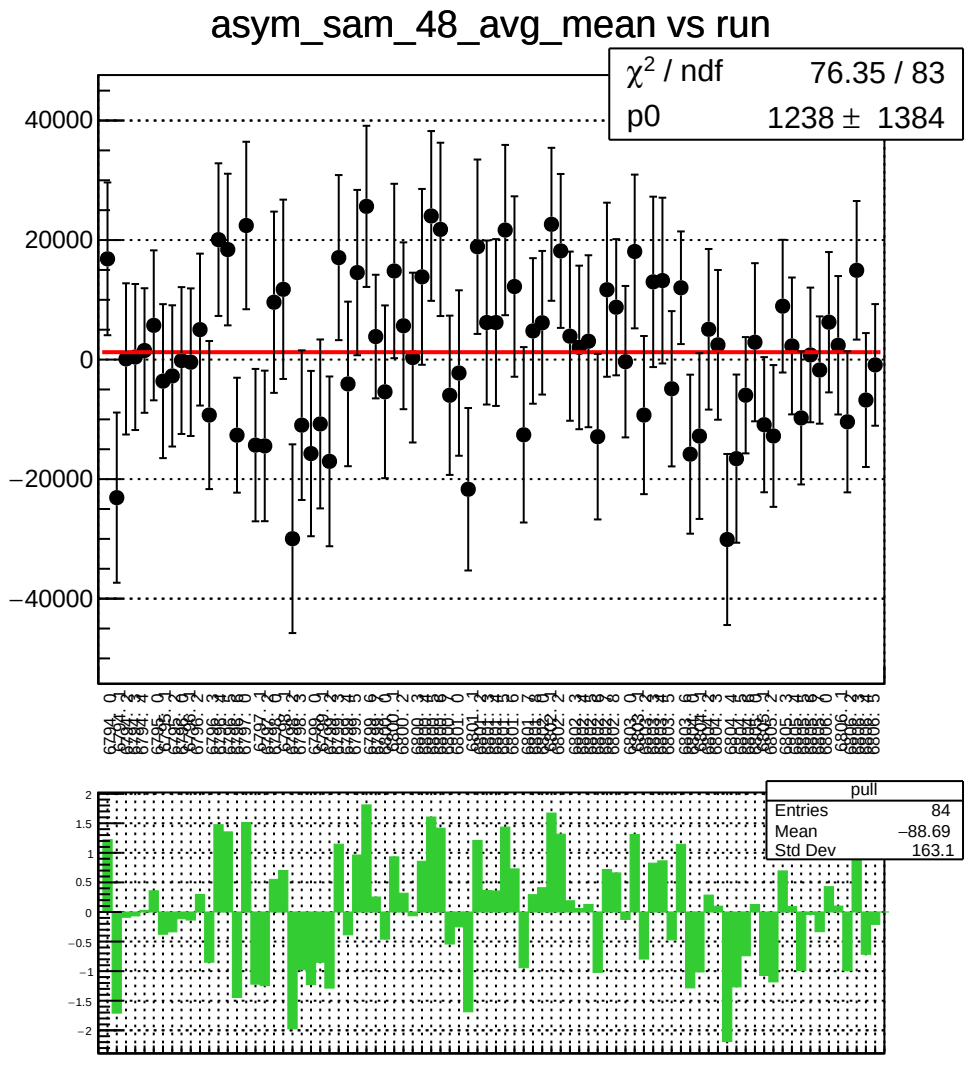

pull1D
Entries 84
Mean −0.003957
Std Dev 1.03

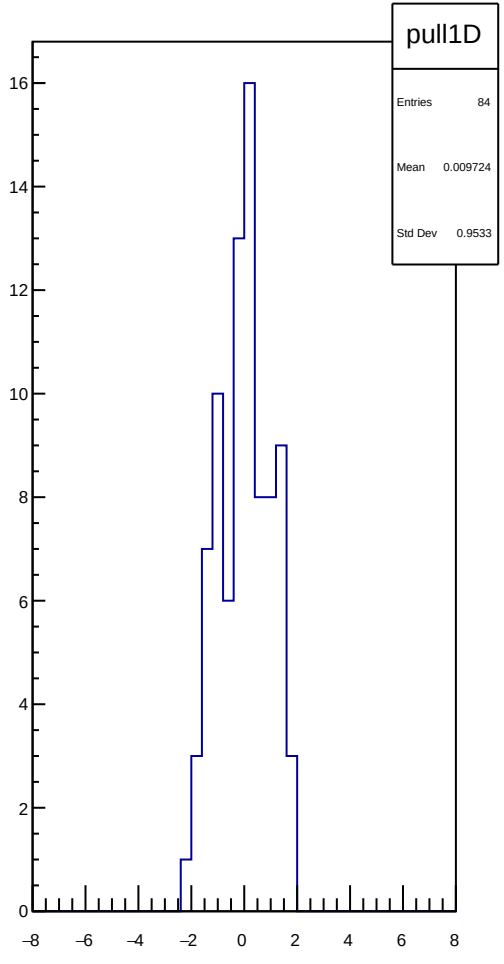

dit_asym_sam_48_avg_rms vs run
χ² / ndf 7259 / 83
p0 180.1 ± 0.1417
260
240
220
200
180
160

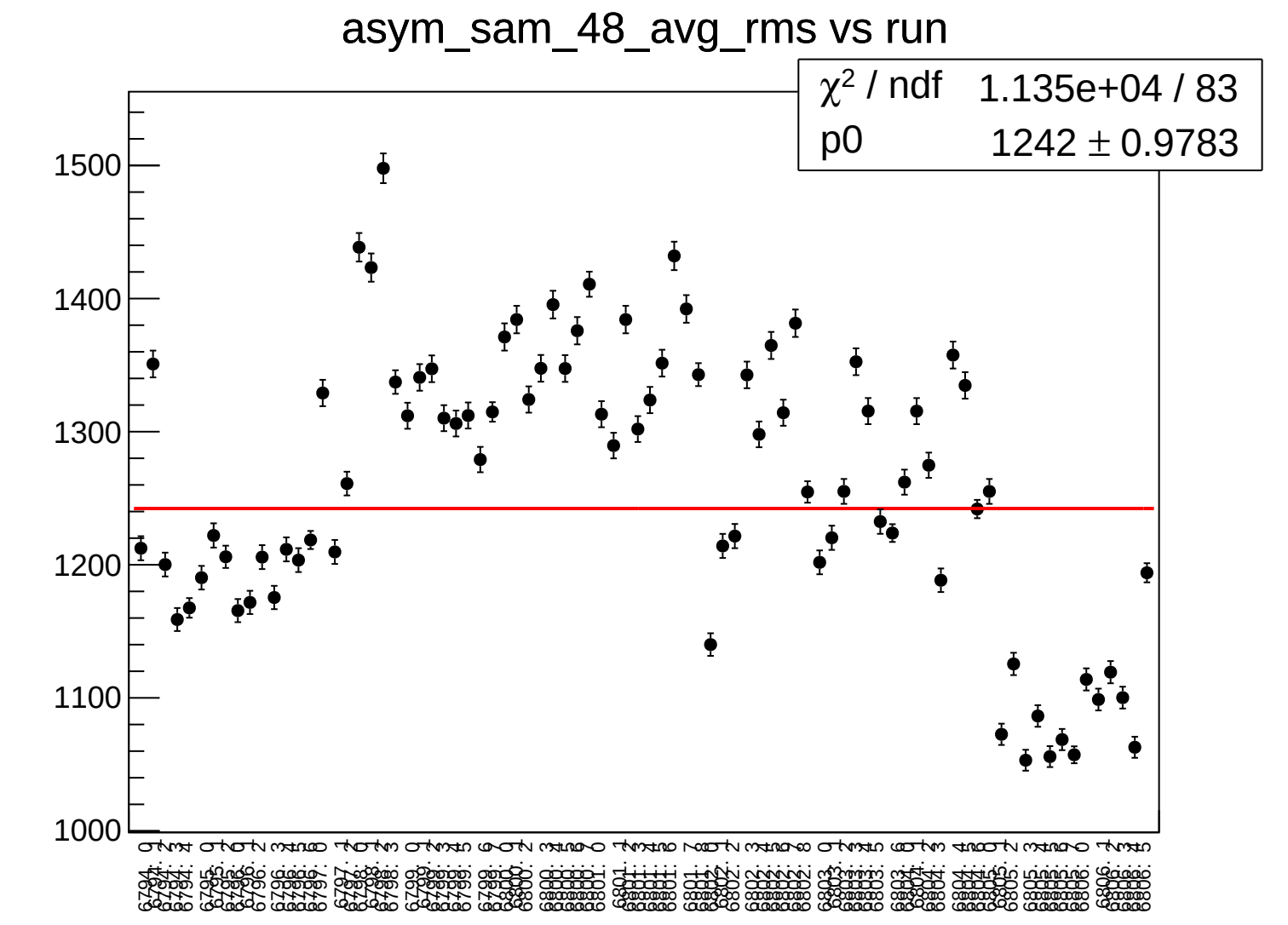

asym_sam_48_avg_correction_mean vs run
χ² / ndf 74.3 / 83
p0 −1532 ± 1372
40000
20000
0
−20000
−40000
pull
Entries 84
Mean 0.2442
Std Dev 103.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

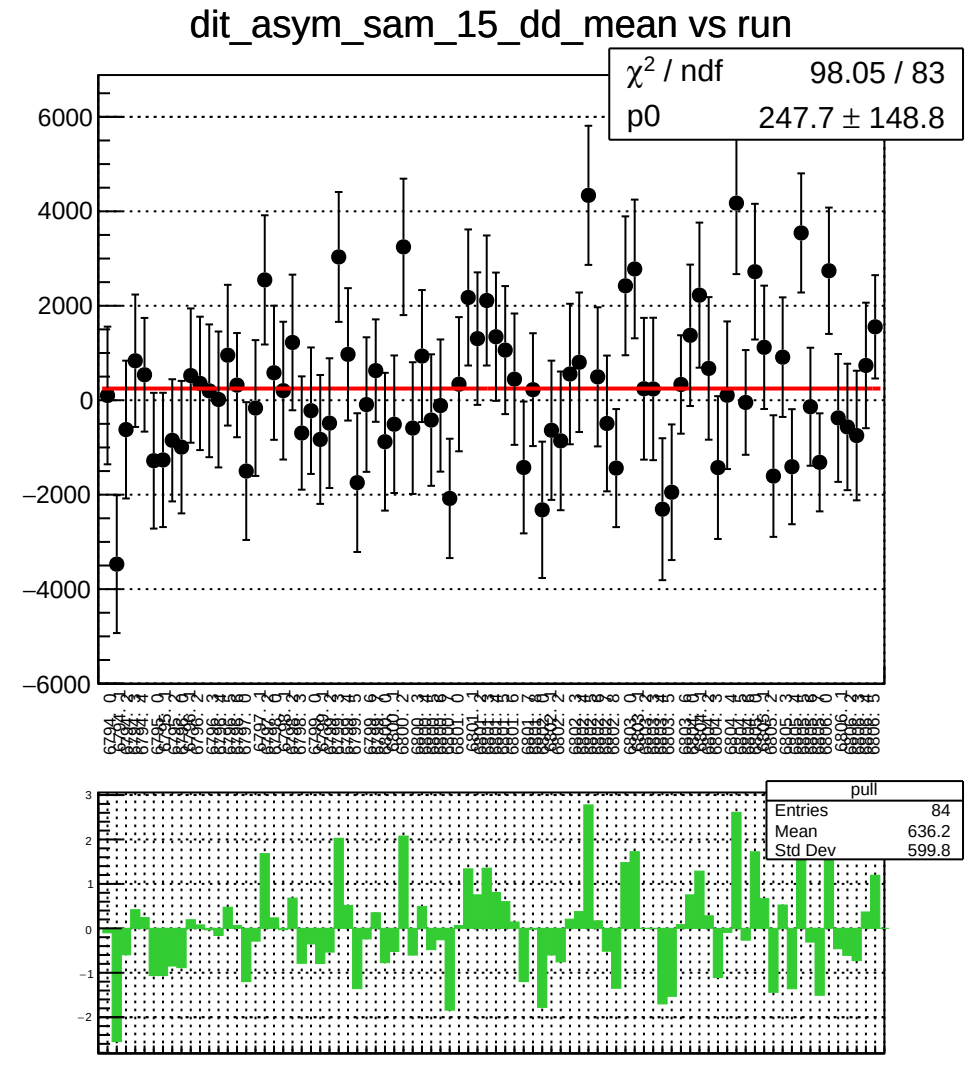

pull1D
Entries 84
Mean −0.01023
Std Dev 0.9404
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

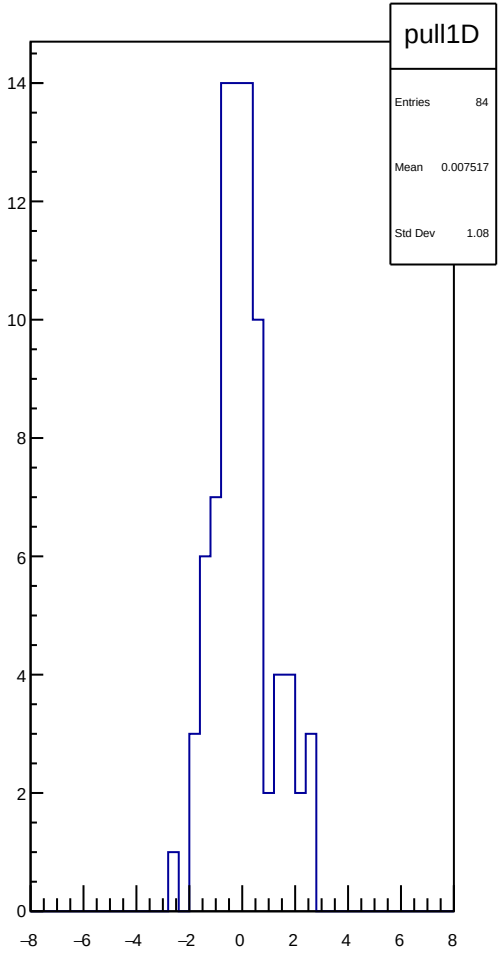

asym_sam_48_avg_correction_rms vs run
χ² / ndf 1.161e+04 / 83
p0 1232 ± 0.9701
1500
1400
1300
1200
1100
1000

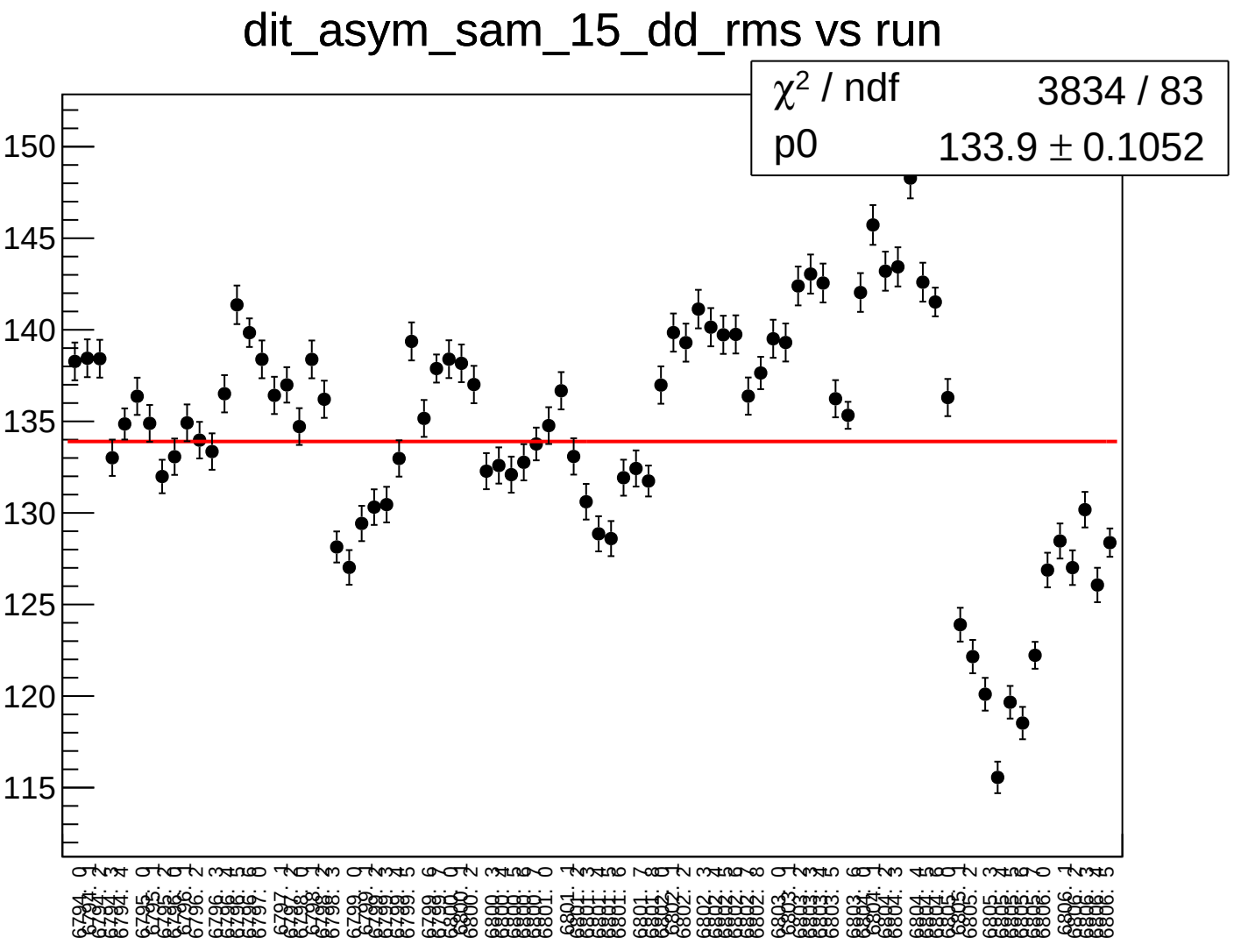

asym_sam_48_avg_mean vs run
χ² / ndf 76.35 / 83
p0 1238 ± 1384
40000
20000
0
−20000
−40000
pull
Entries 84
Mean −88.69
Std Dev 163.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

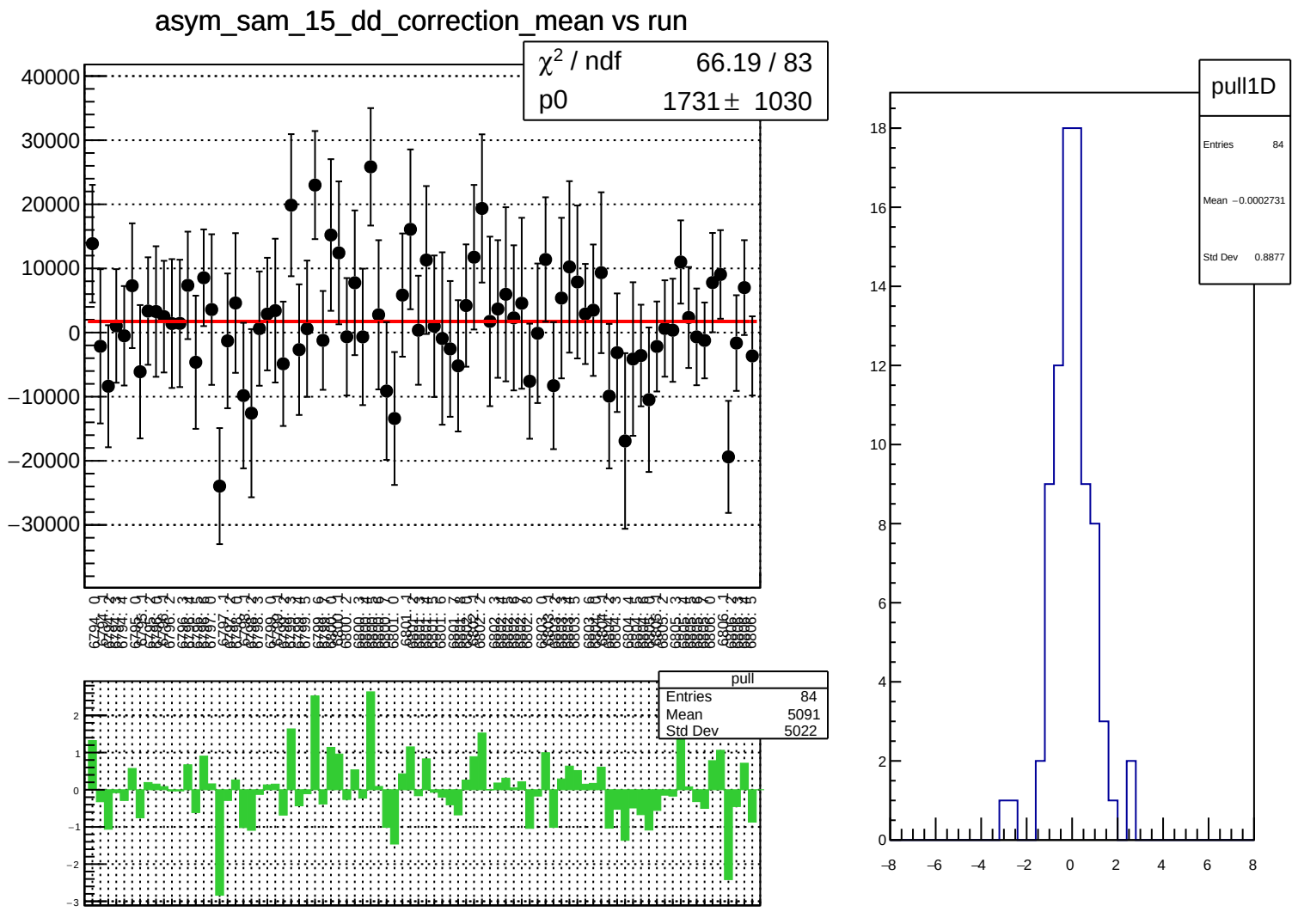

pull1D
Entries 84
Mean 0.009724
Std Dev 0.9533
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

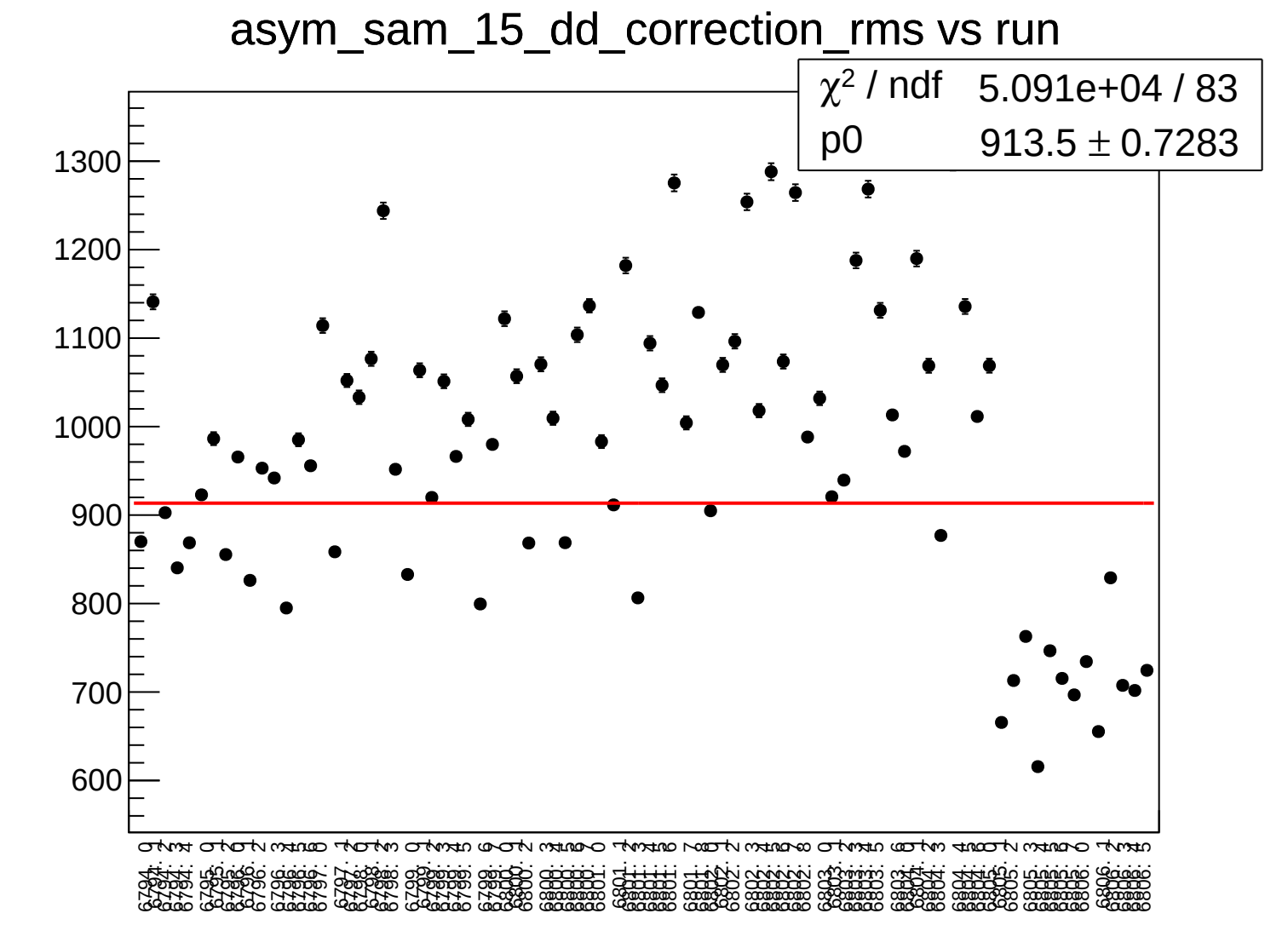

asym_sam_48_avg_rms vs run
χ² / ndf 1.135e+04 / 83
p0 1242 ± 0.9783
1500
1400
1300
1200
1100
1000

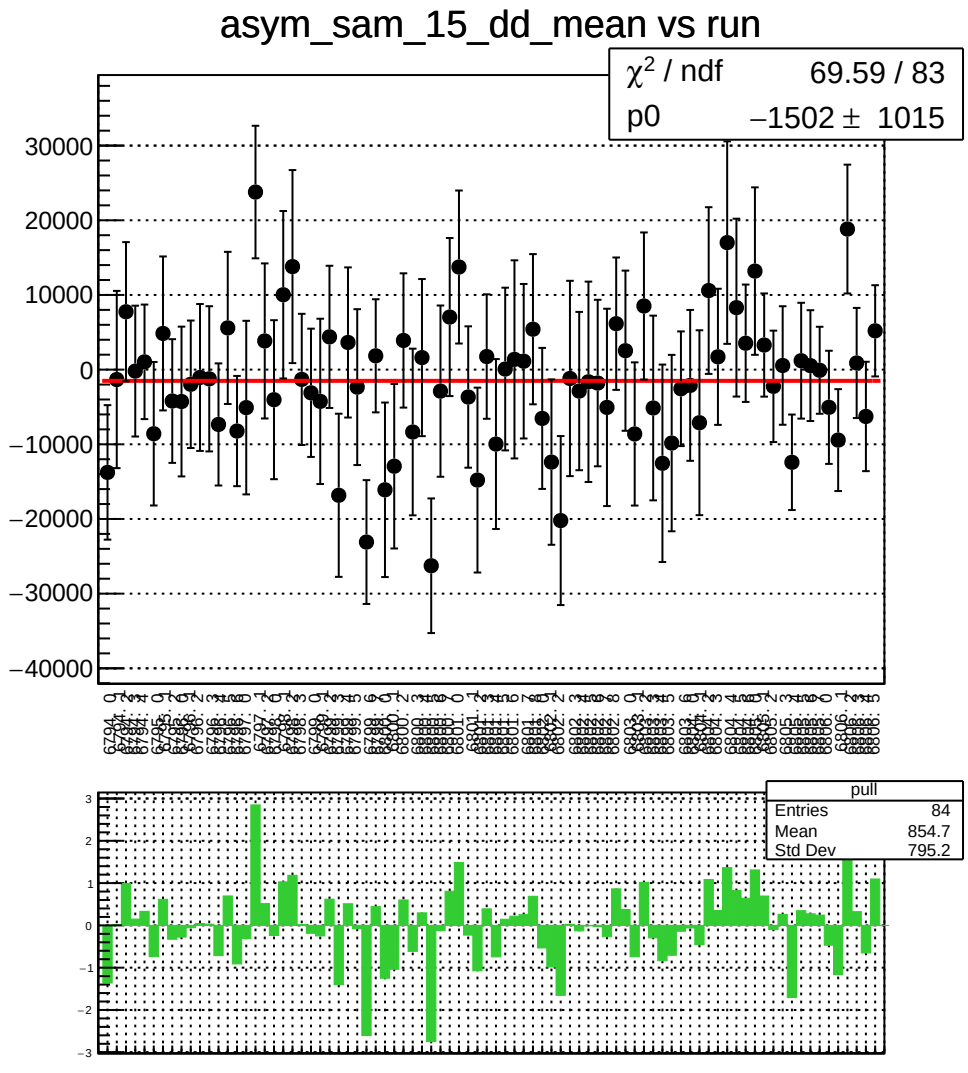

dit_asym_sam_15_dd_mean vs run
χ² / ndf 98.05 / 83
p0 247.7 ± 148.8
pull
Entries 84
Mean 636.2
Std Dev 599.8

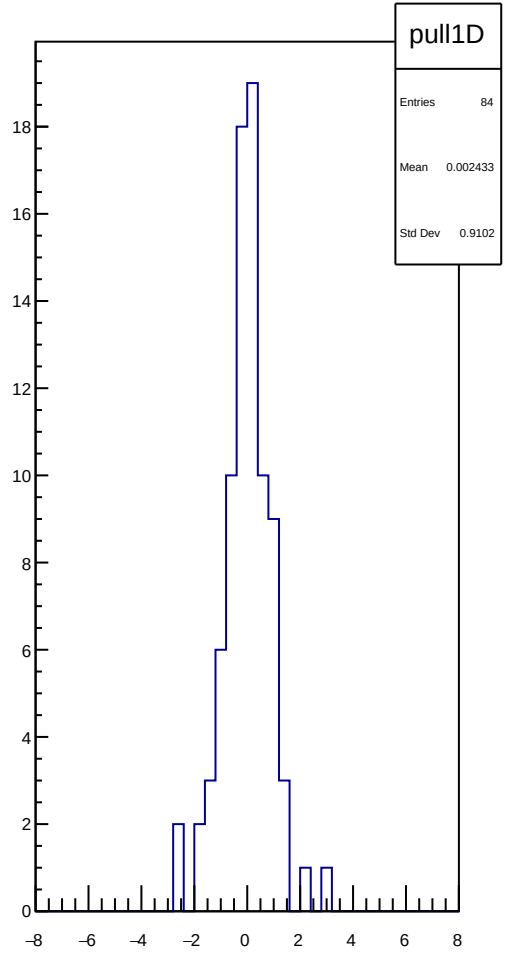

pull1D
Entries 84
Mean 0.007517
Std Dev 1.08

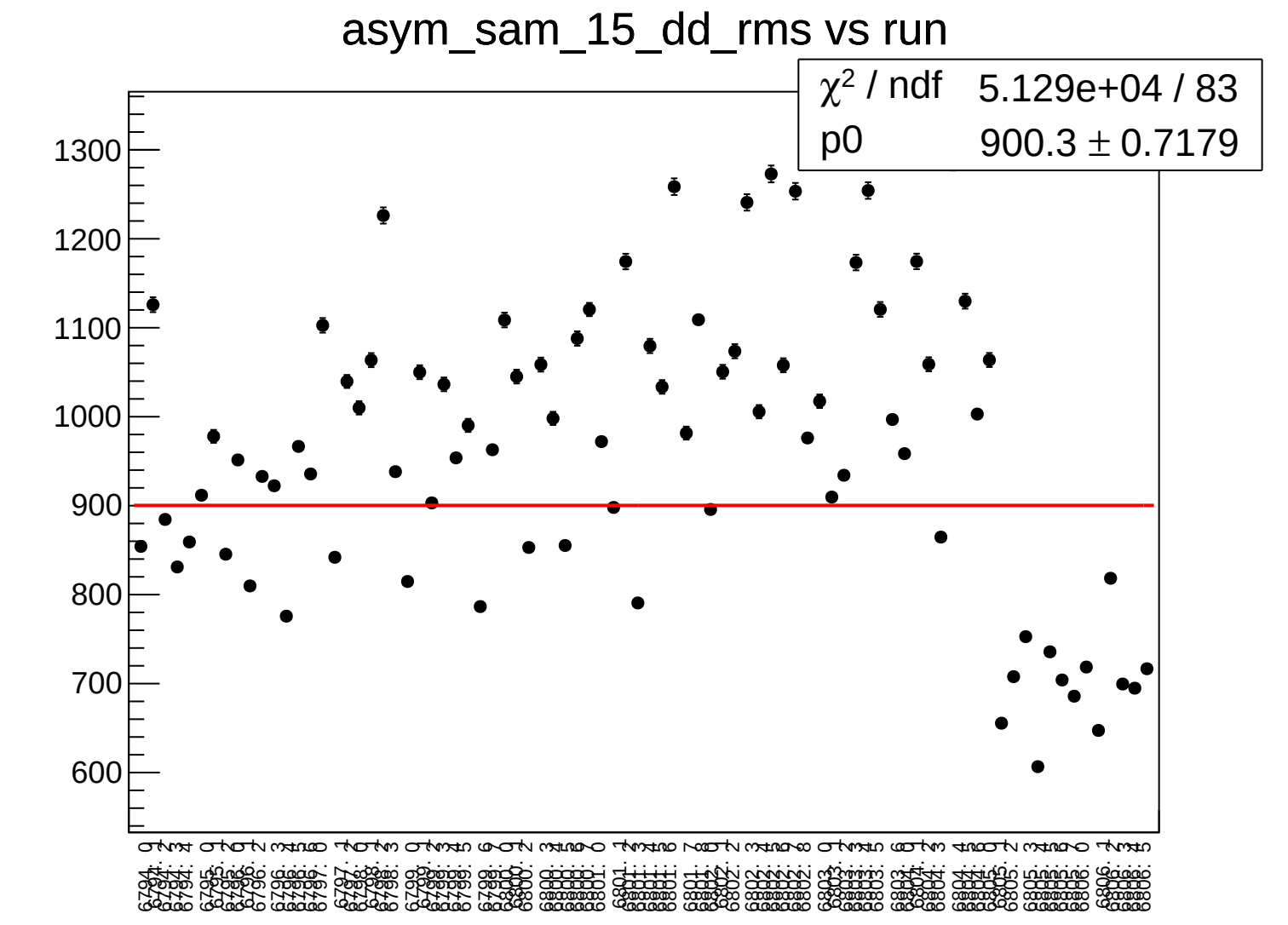

dit_asym_sam_15_dd_rms vs run
χ² / ndf 3834 / 83
p0 133.9 ± 0.1052
150
145
140
135
130
125
120
115

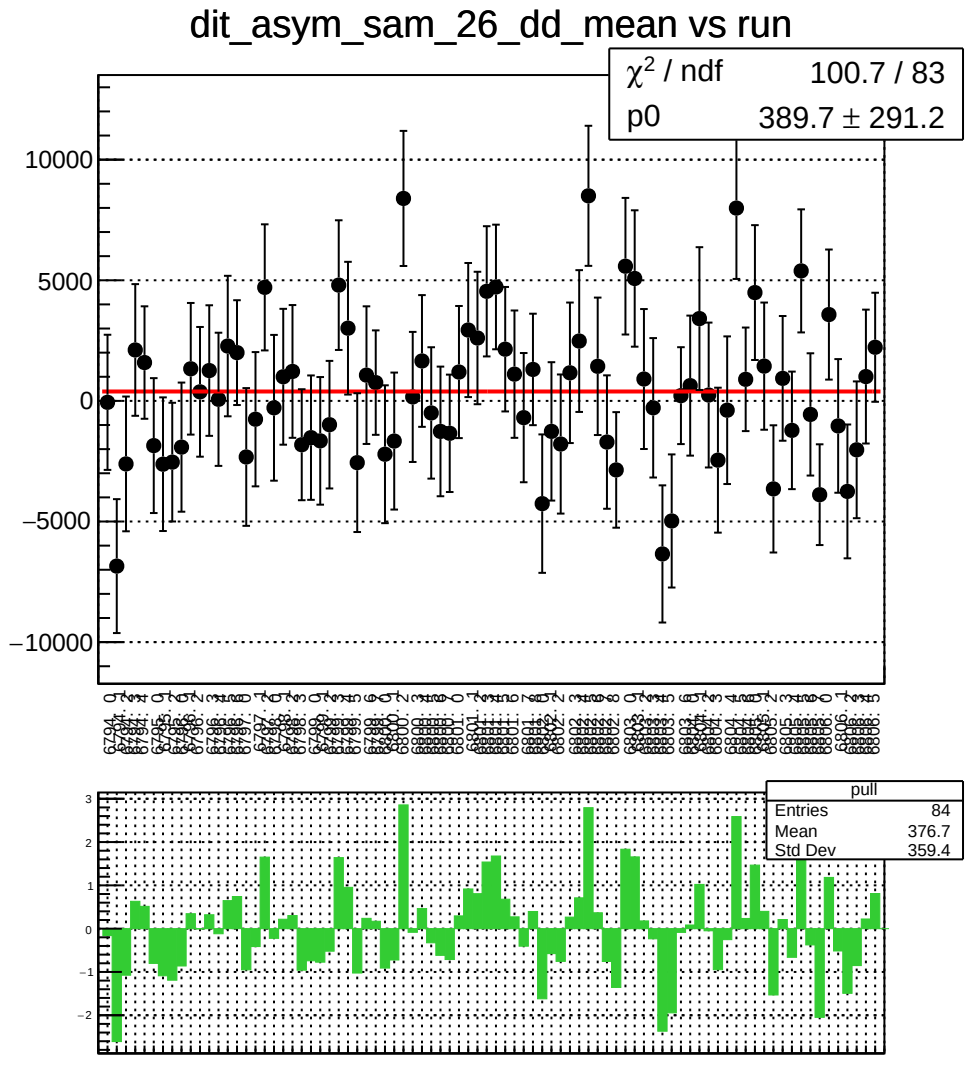

asym_sam_15_dd_correction_mean vs run
χ² / ndf 66.19 / 83
p0 1731 ± 1030
pull
Entries 84
Mean 5091
Std Dev 5022
pull1D
Entries 84
Mean −0.0002731
Std Dev 0.8877

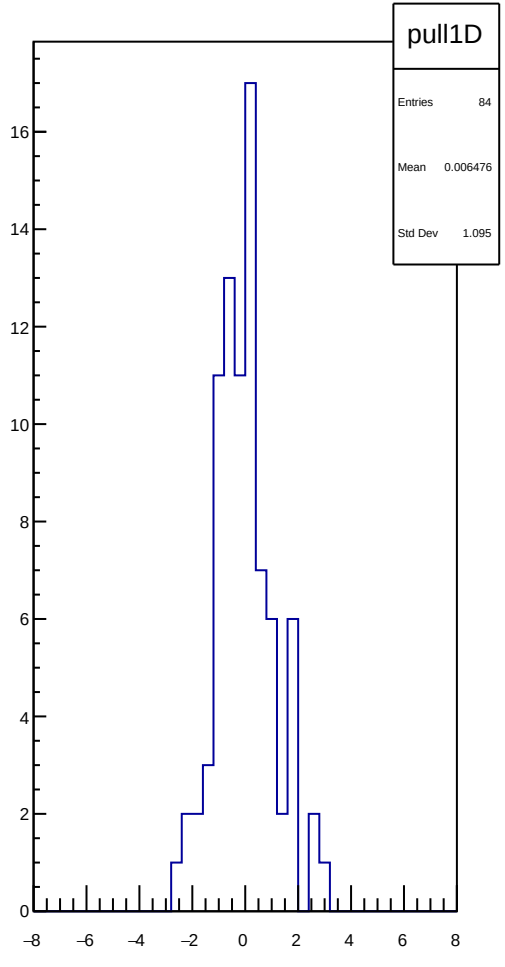

asym_sam_15_dd_correction_rms vs run
χ² / ndf 5.091e+04 / 83
p0 913.5 ± 0.7283
1300
1200
1100
1000
900
800
700
600

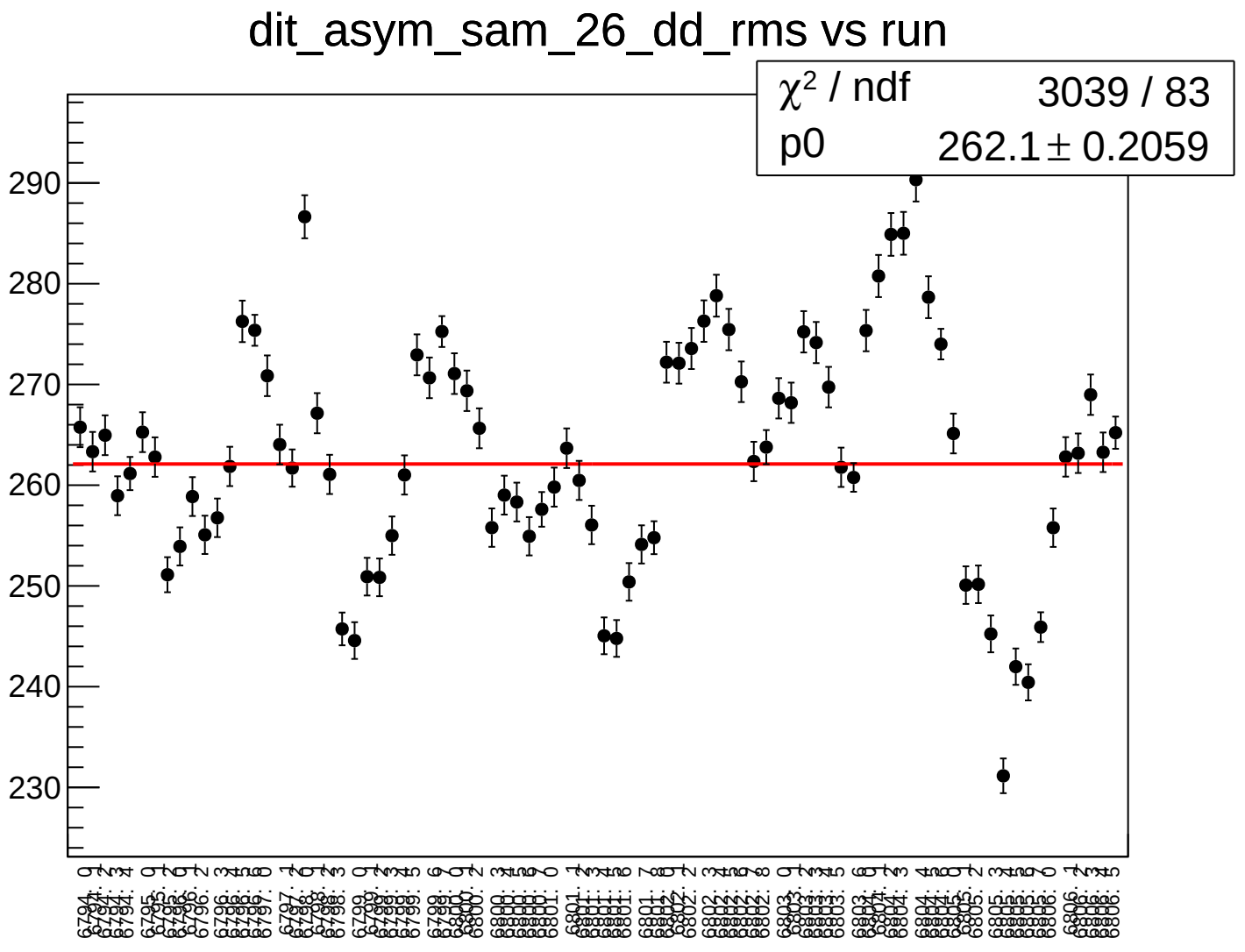

asym_sam_15_dd_mean vs run
χ² / ndf 69.59 / 83
p0 −1502 ± 1015
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 84
Mean 854.7
Std Dev 795.2
3
2
1
0
−1
−2
−3

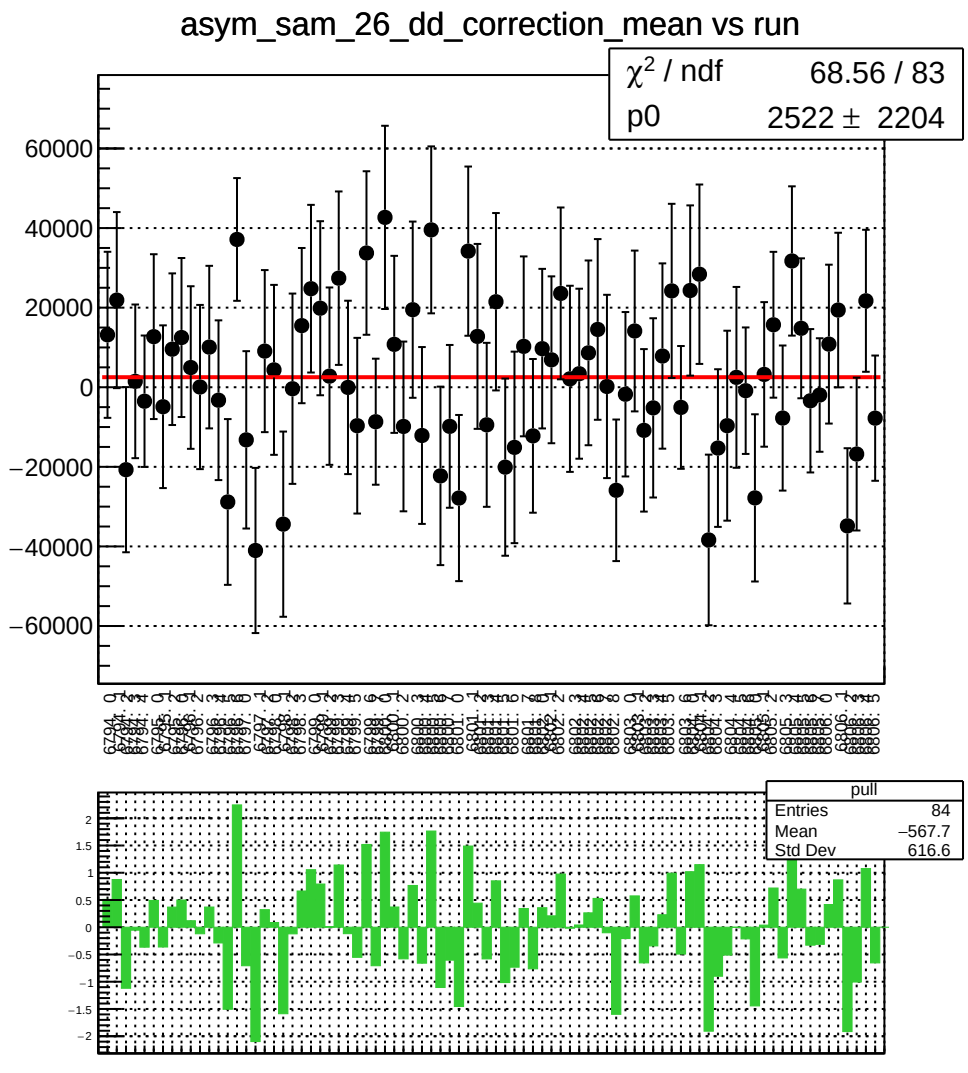

pull1D
Entries 84
Mean 0.002433
Std Dev 0.9102
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

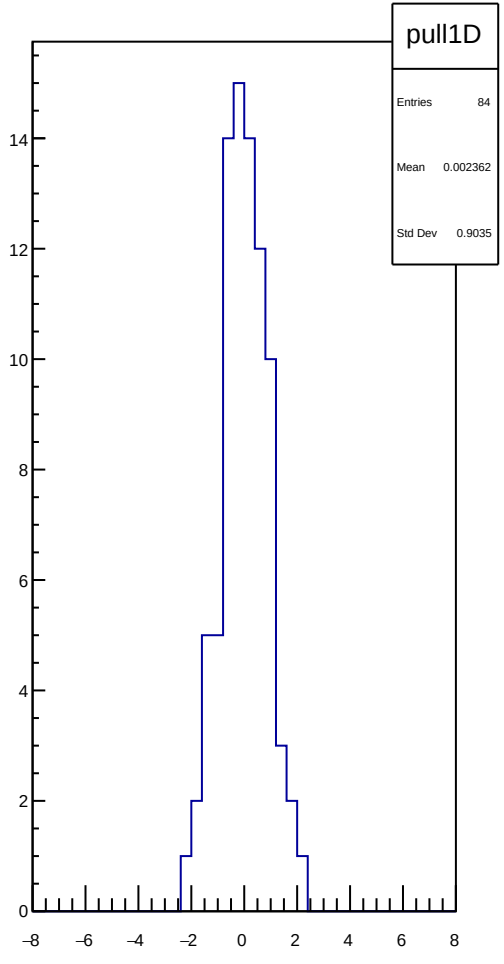

asym_sam_15_dd_rms vs run
χ^2 / ndf 5.129e+04 / 83
p0 900.3 ± 0.7179
1300
1200
1100
1000
900
800
700
600

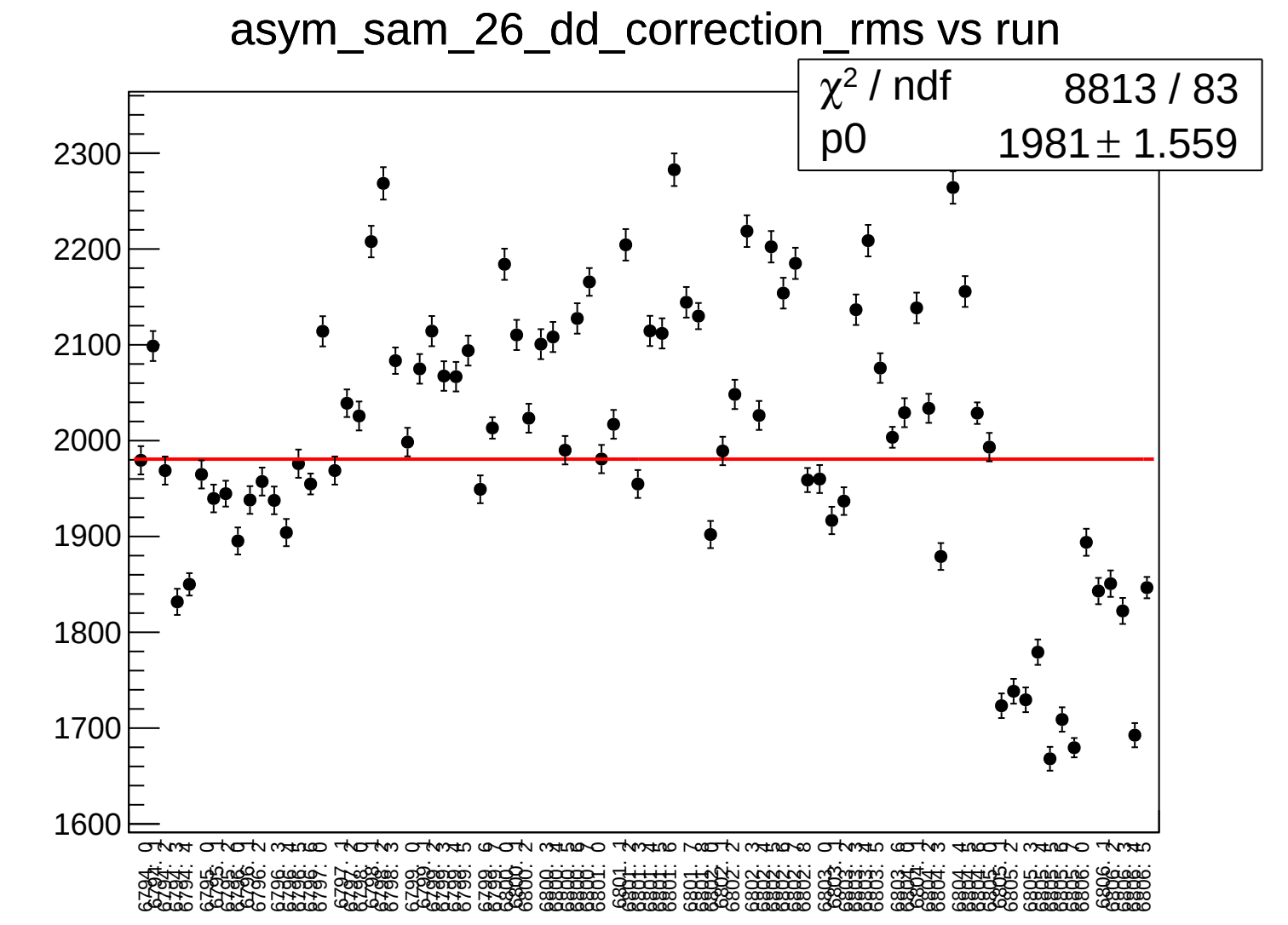

dit_asym_sam_26_dd_mean vs run
χ² / ndf 100.7 / 83
p0 389.7 ± 291.2
10000
5000
0
−5000
−10000
pull
Entries 84
Mean 376.7
Std Dev 359.4
3
2
1
0
−1
−2

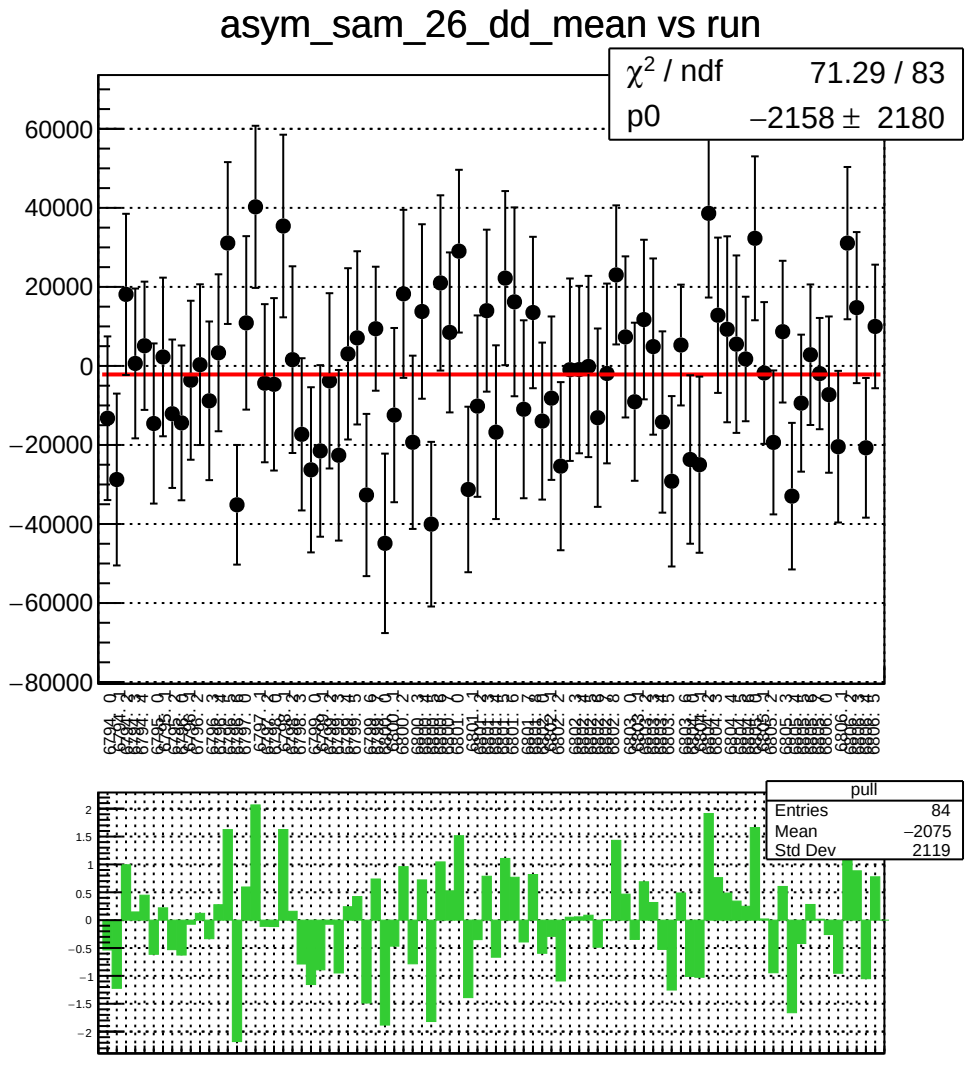

pull1D
Entries 84
Mean 0.006476
Std Dev 1.095
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

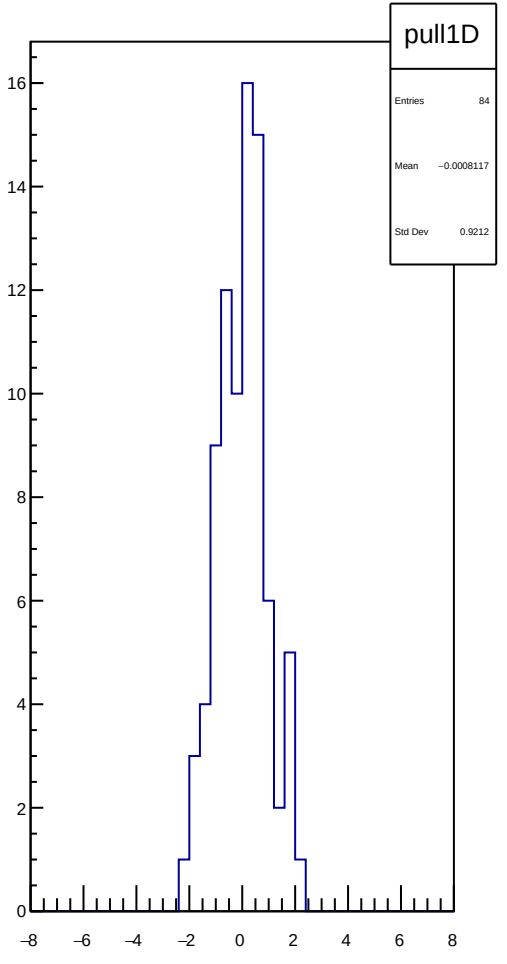

dit_asym_sam_26_dd_rms vs run
χ² / ndf 3039 / 83
p0 262.1 ± 0.2059
290
280
270
260
250
240
230

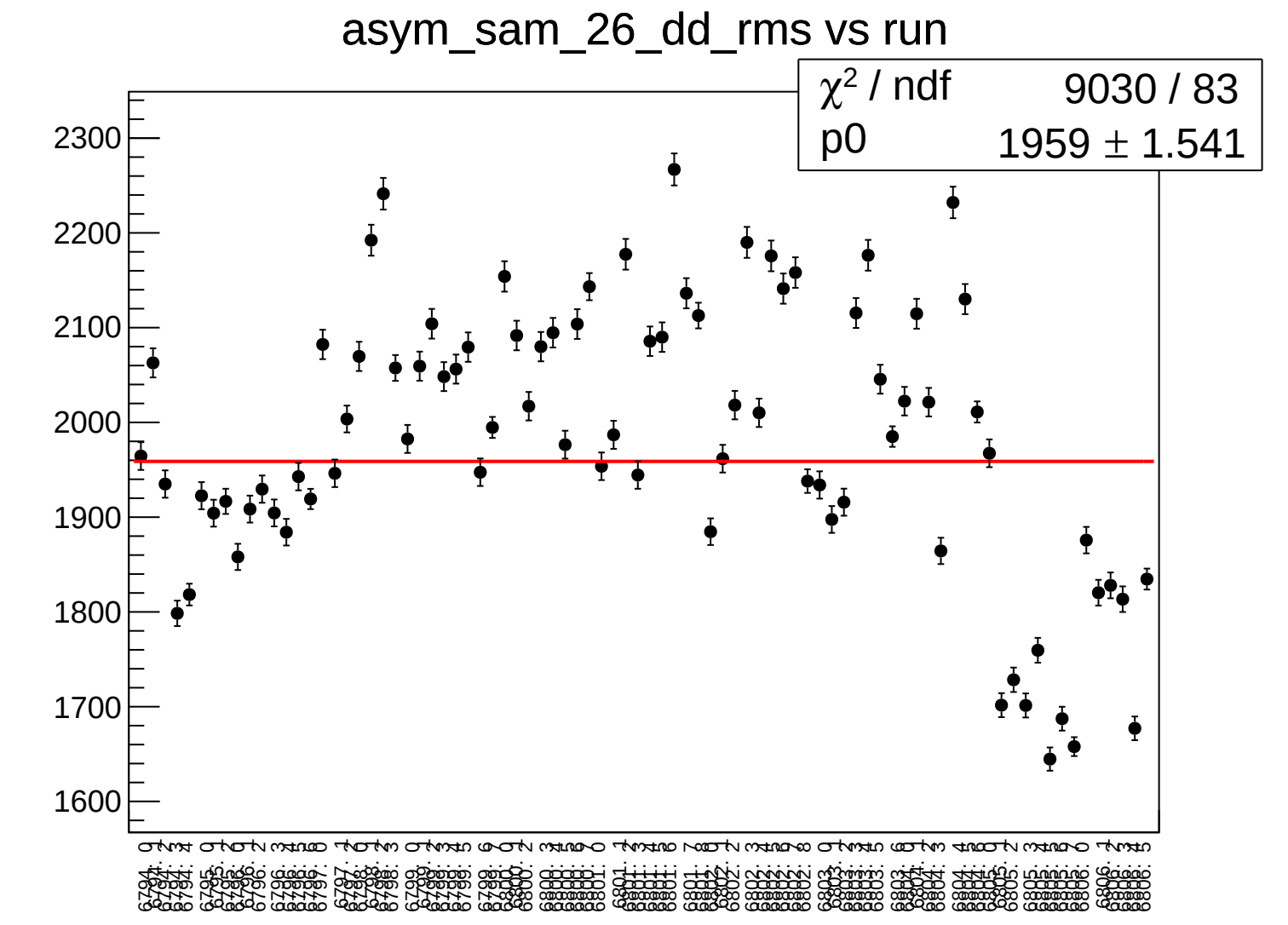

asym_sam_26_dd_correction_mean vs run
χ² / ndf 68.56 / 83
p0 2522 ± 2204
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 84
Mean −567.7
Std Dev 616.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

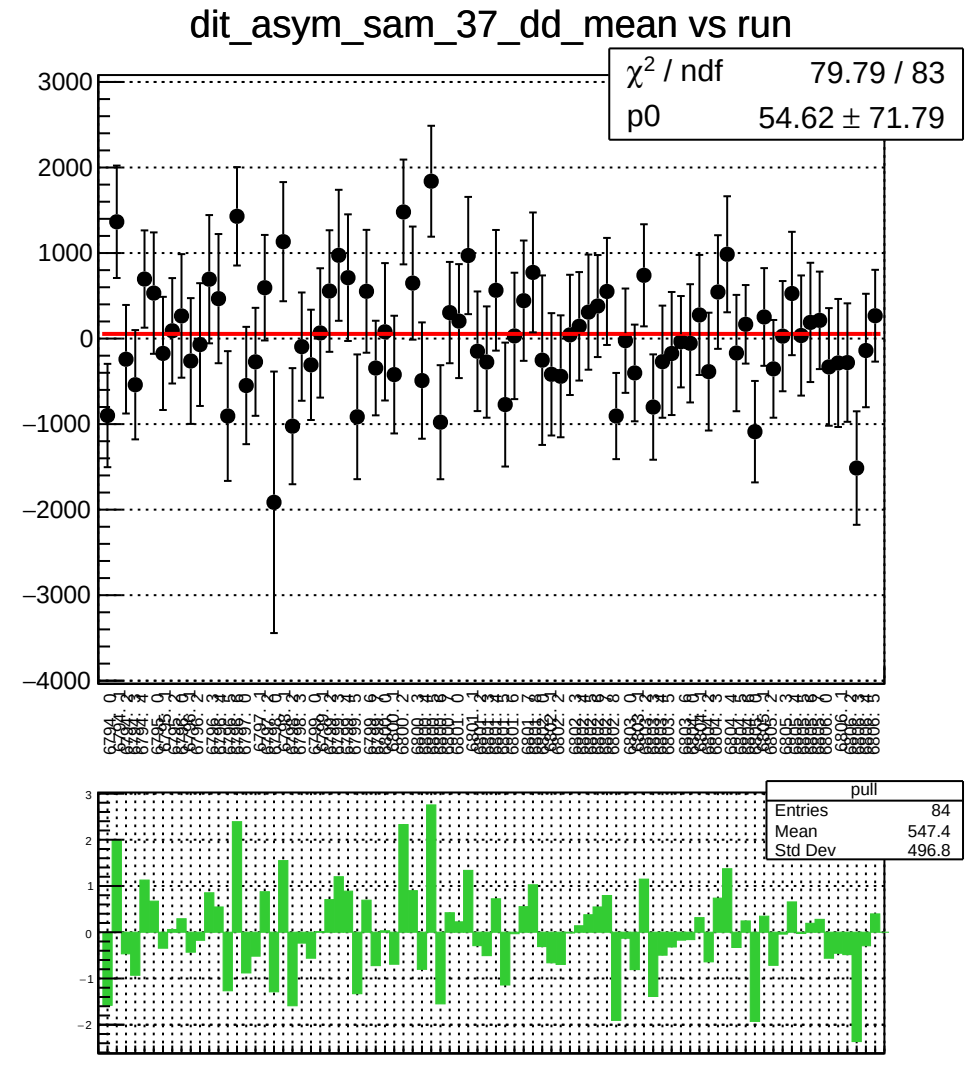

pull1D
Entries 84
Mean 0.002362
Std Dev 0.9035
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

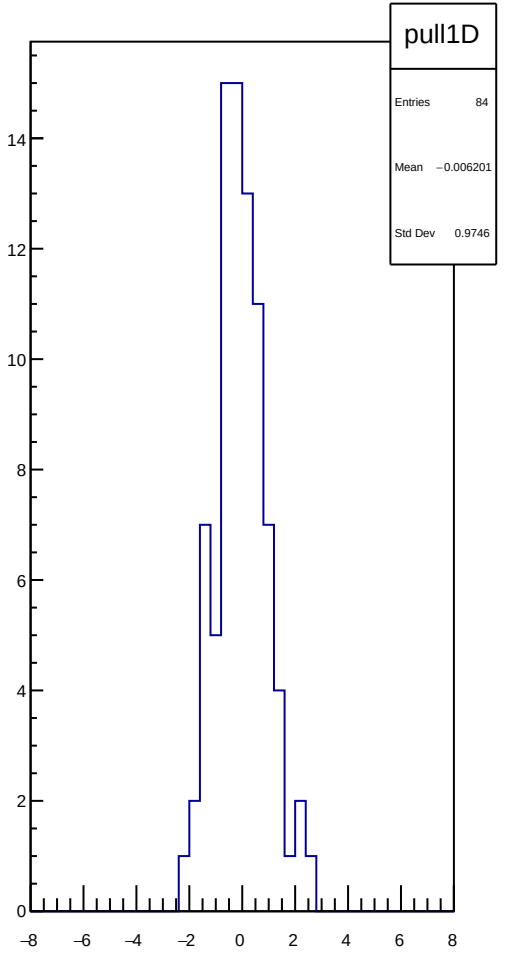

asym_sam_26_dd_correction_rms vs run
χ² / ndf 8813 / 83
p0 1981 ± 1.559
2300
2200
2100
2000
1900
1800
1700
1600

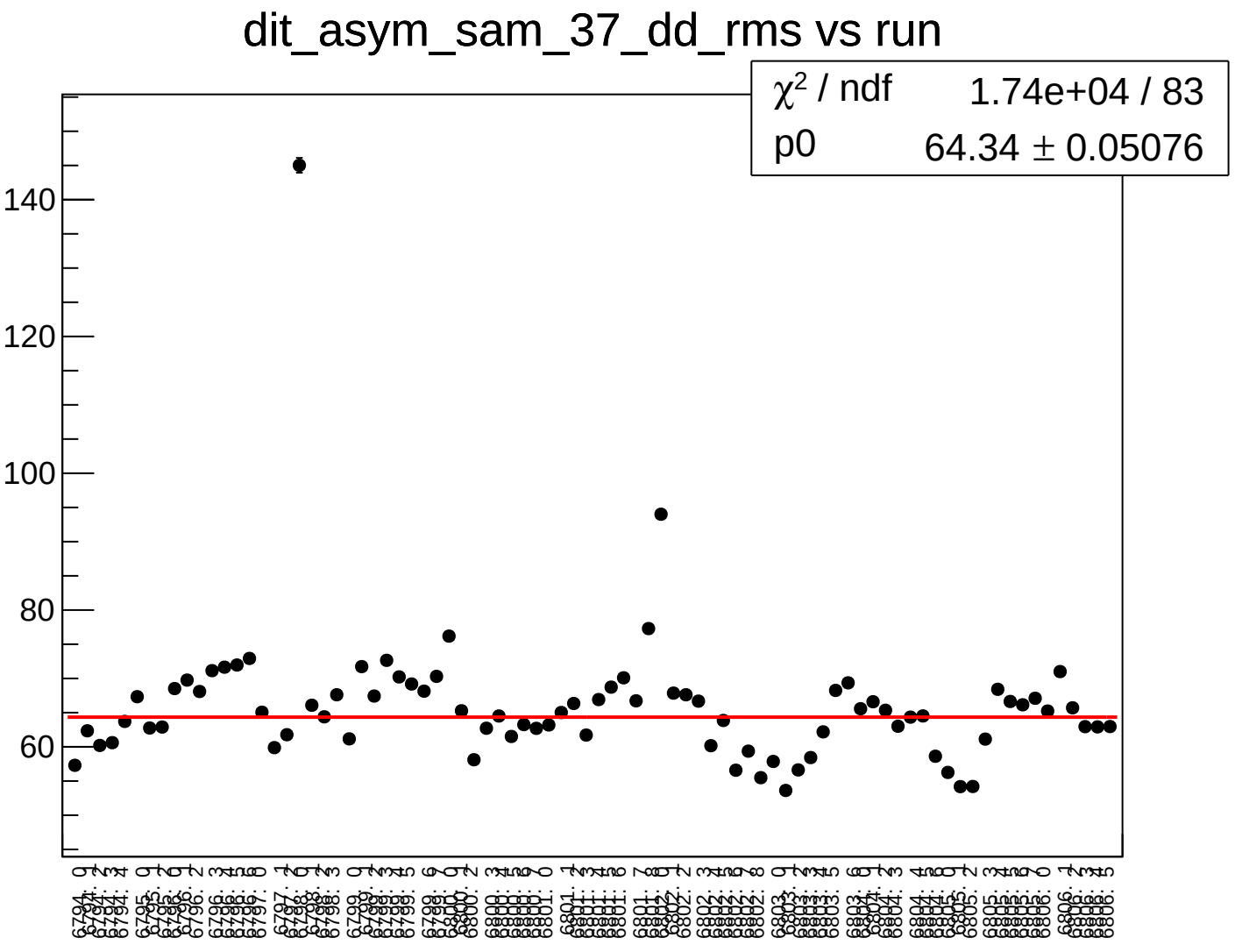

asym_sam_26_dd_mean vs run
χ² / ndf 71.29 / 83
p0 −2158 ± 2180
pull
Entries 84
Mean −2075
Std Dev 2119

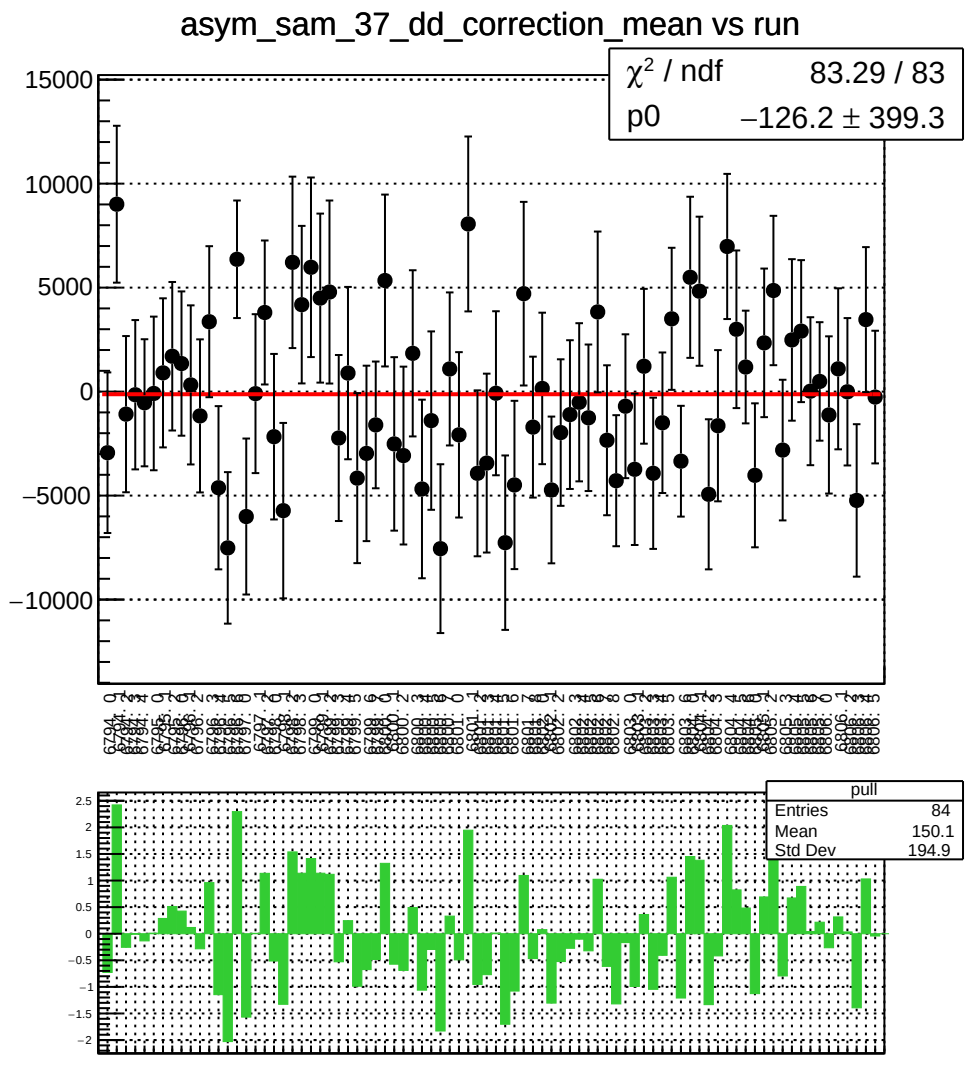

pull1D
Entries 84
Mean −0.0008117
Std Dev 0.9212

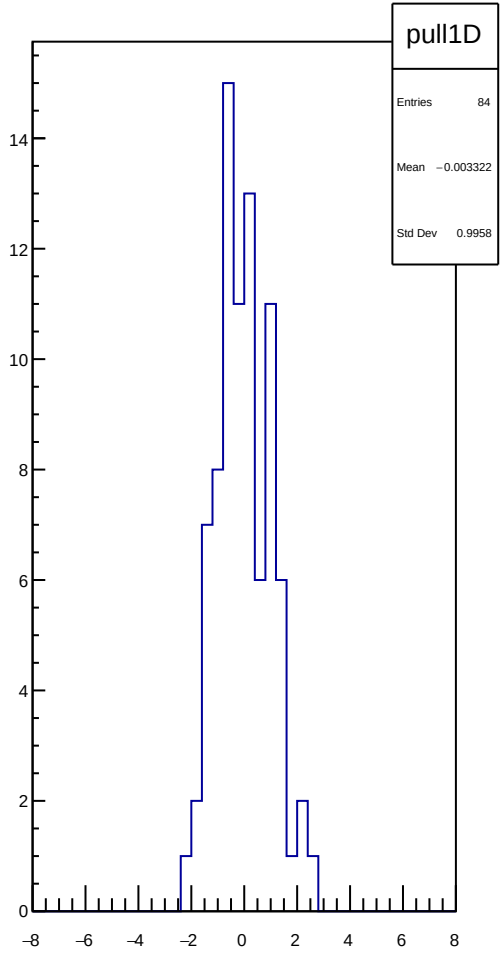

asym_sam_26_dd_rms vs run
χ^2 / ndf 9030 / 83
p0 1959 ± 1.541
2300
2200
2100
2000
1900
1800
1700
1600

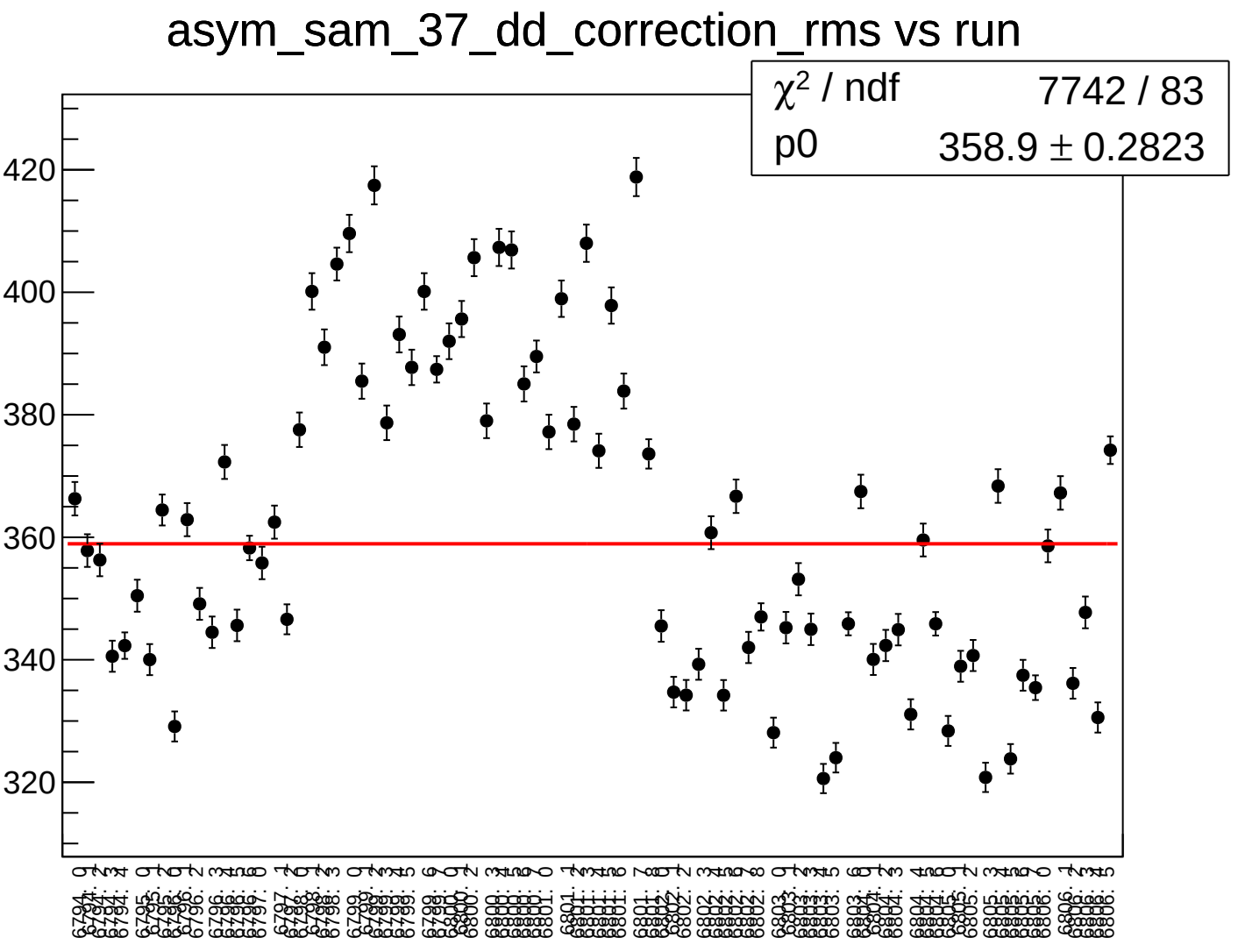

dit_asym_sam_37_dd_mean vs run
χ² / ndf 79.79 / 83
p0 54.62 ± 71.79
pull
Entries 84
Mean 547.4
Std Dev 496.8

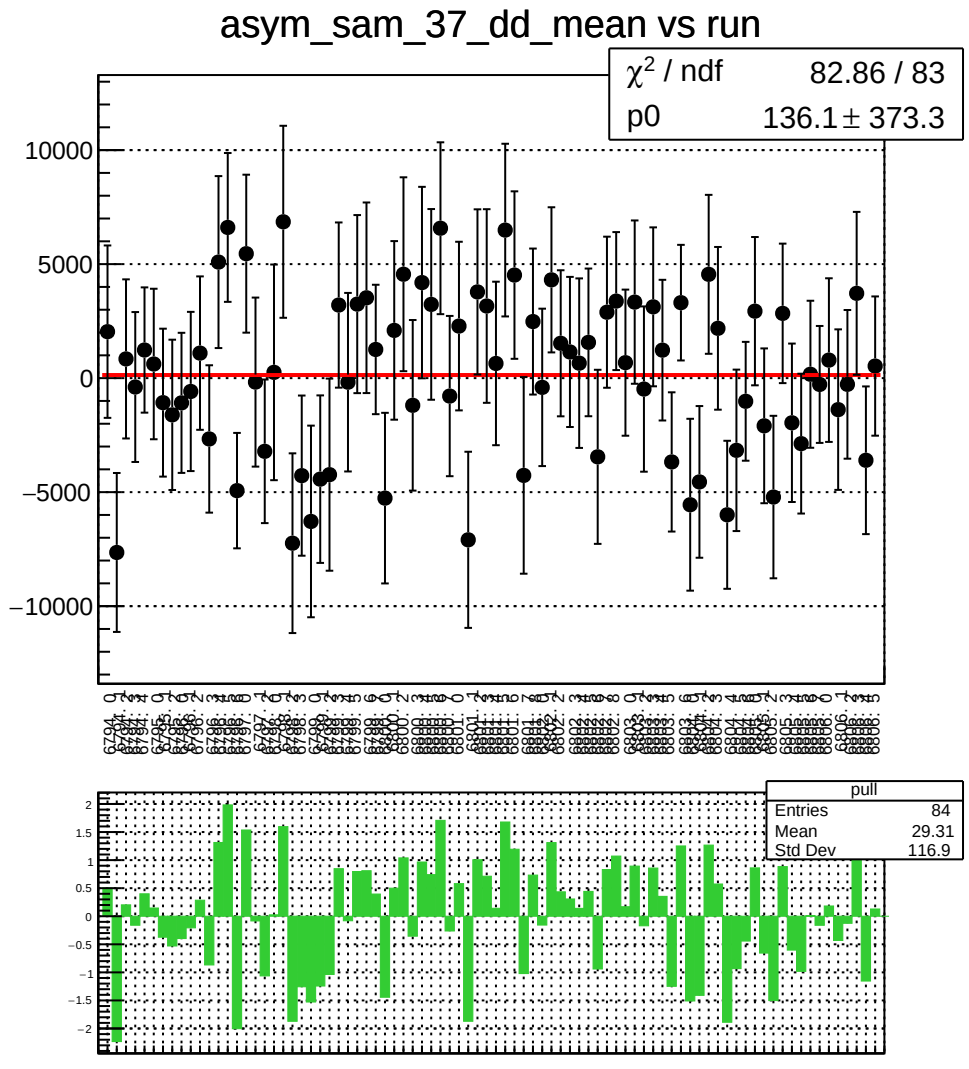

pull1D
Entries 84
Mean −0.006201
Std Dev 0.9746

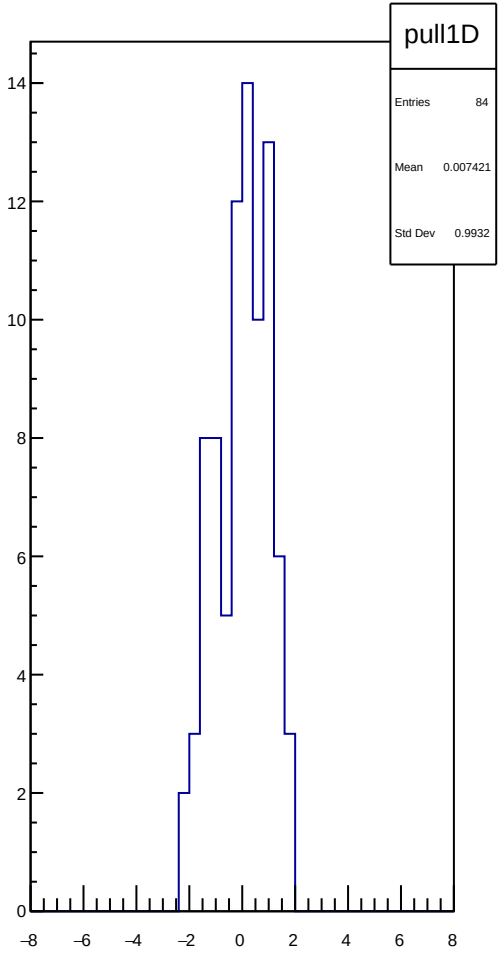

dit_asym_sam_37_dd_rms vs run
χ² / ndf 1.74e+04 / 83
p0 64.34 ± 0.05076
140
120
100
80
60

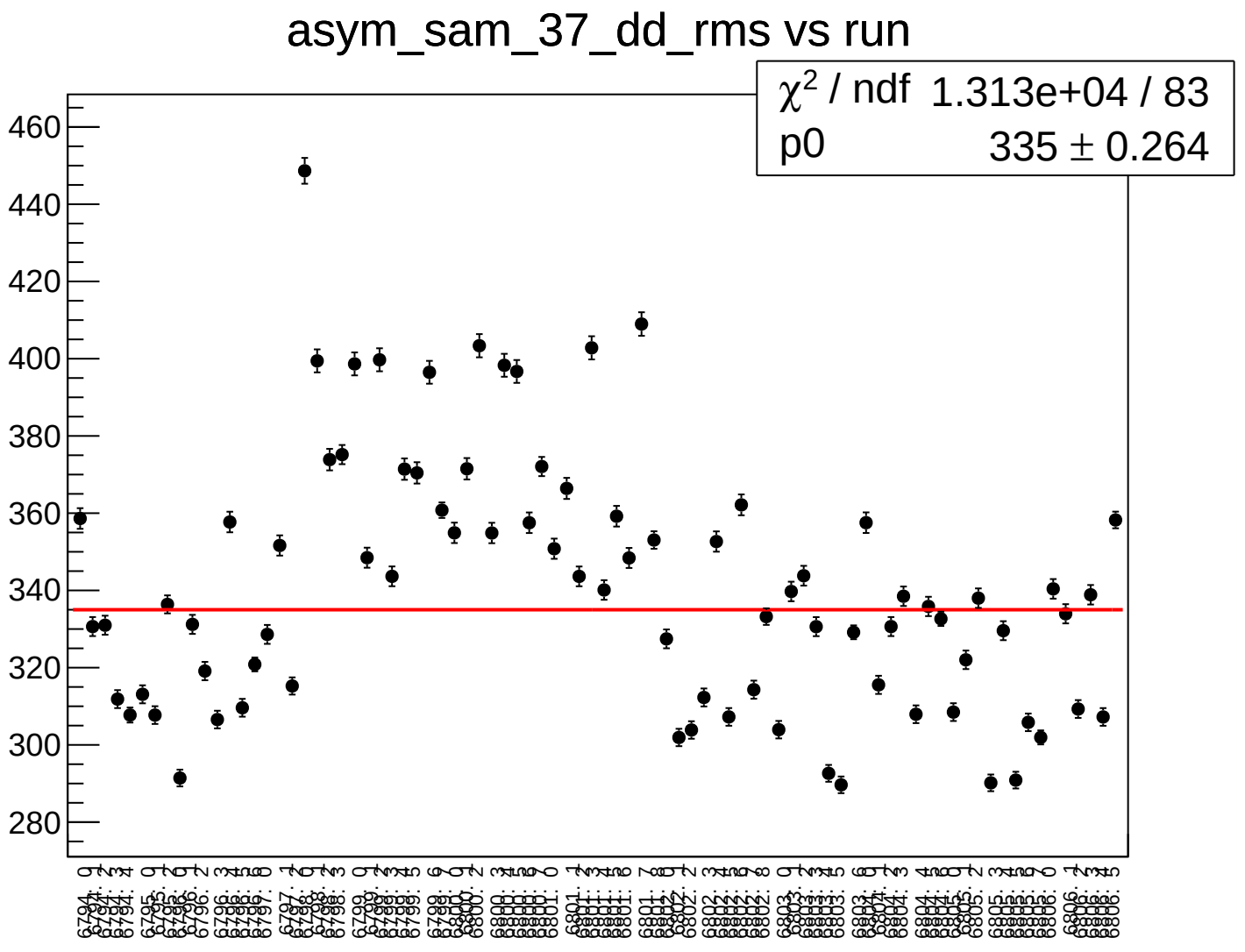

asym_sam_37_dd_correction_mean vs run
χ² / ndf 83.29 / 83
p0 −126.2 ± 399.3
pull
Entries 84
Mean 150.1
Std Dev 194.9

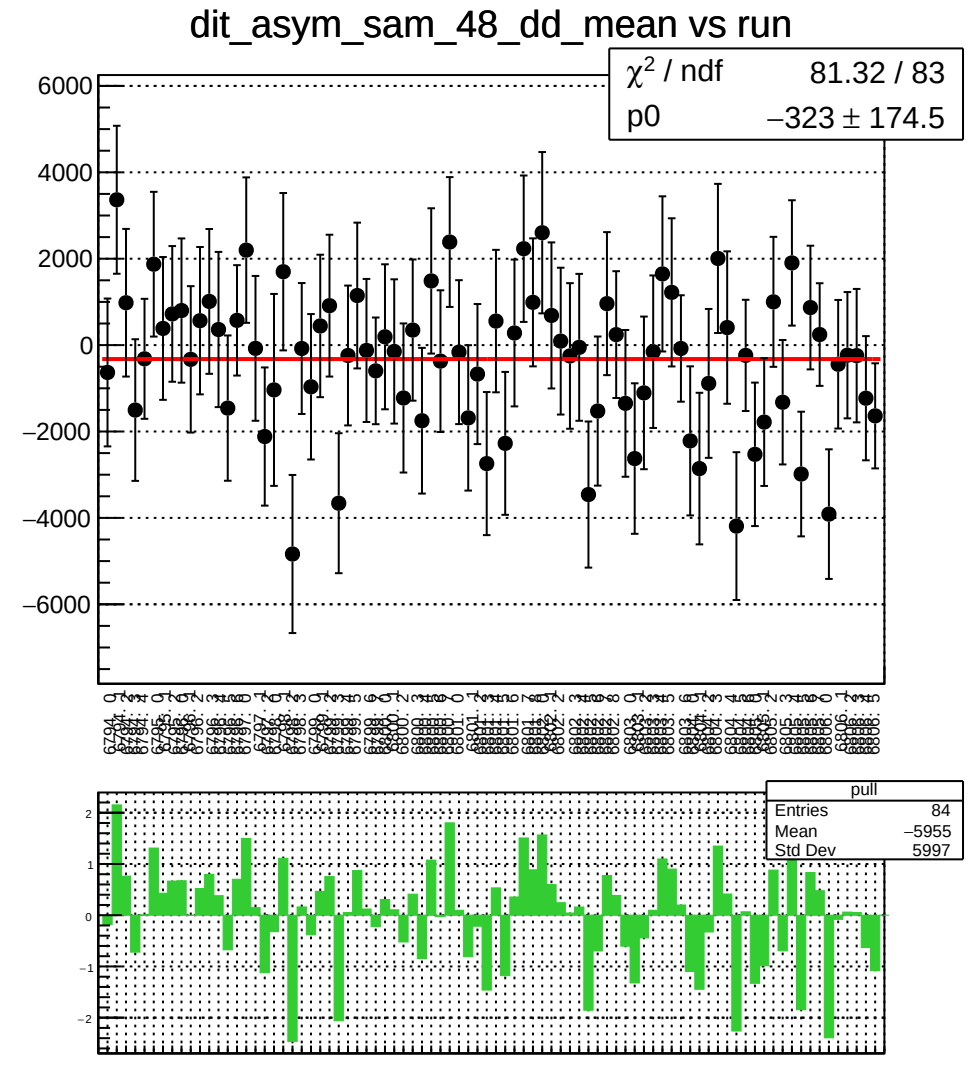

pull1D
Entries 84
Mean −0.003322
Std Dev 0.9958

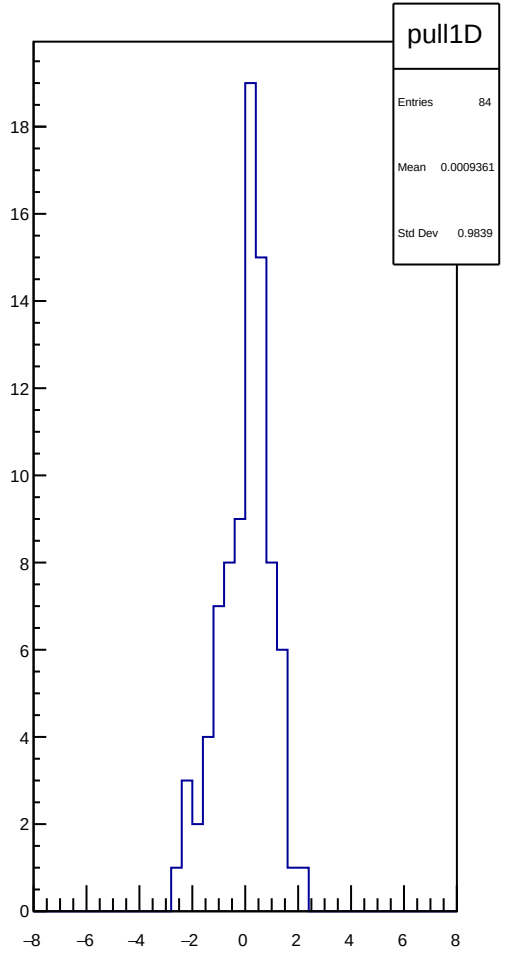

asym_sam_37_dd_correction_rms vs run
χ² / ndf 7742 / 83
p0 358.9 ± 0.2823
420
400
380
360
340
320

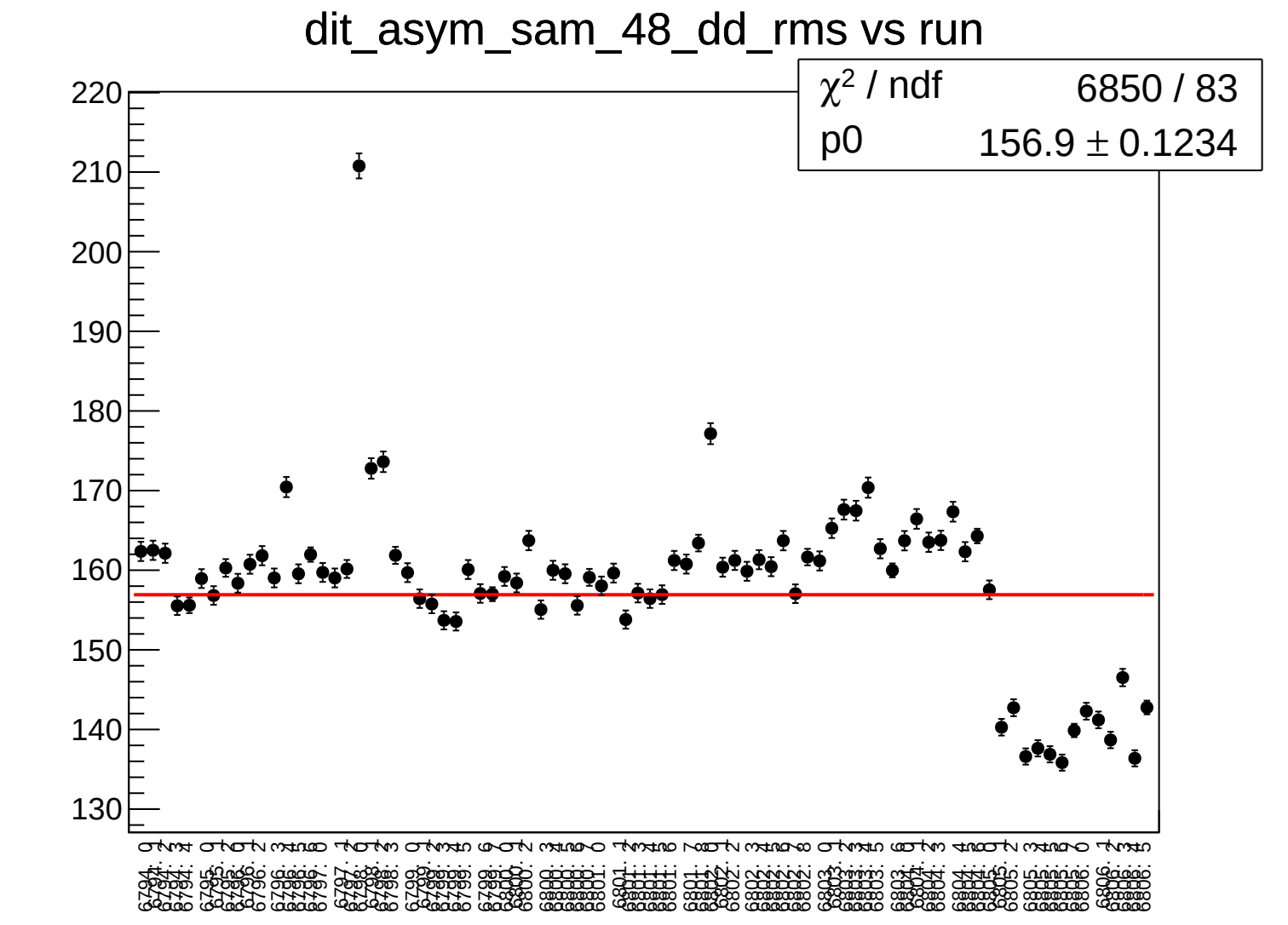

asym_sam_37_dd_mean vs run
χ² / ndf 82.86 / 83
p0 136.1 ± 373.3
10000
5000
0
−5000
−10000
pull
Entries 84
Mean 29.31
Std Dev 116.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

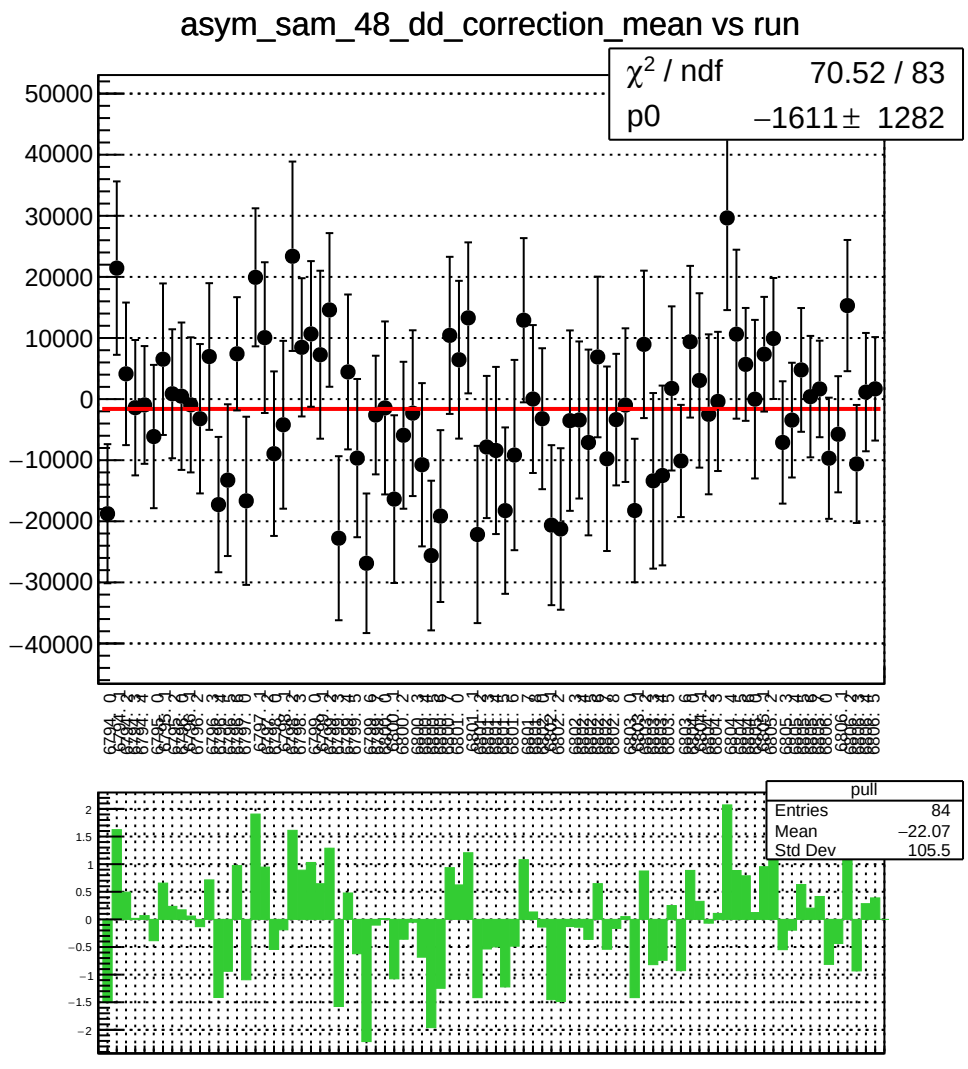

pull1D
Entries 84
Mean 0.007421
Std Dev 0.9932
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

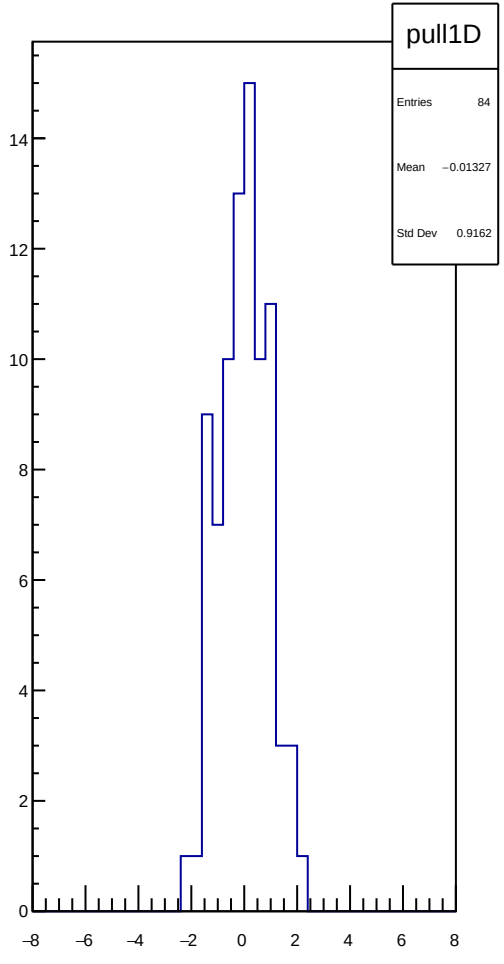

asym_sam_37_dd_rms vs run
χ^2 / ndf 1.313e+04 / 83
p0 335 ± 0.264
460
440
420
400
380
360
340
320
300
280

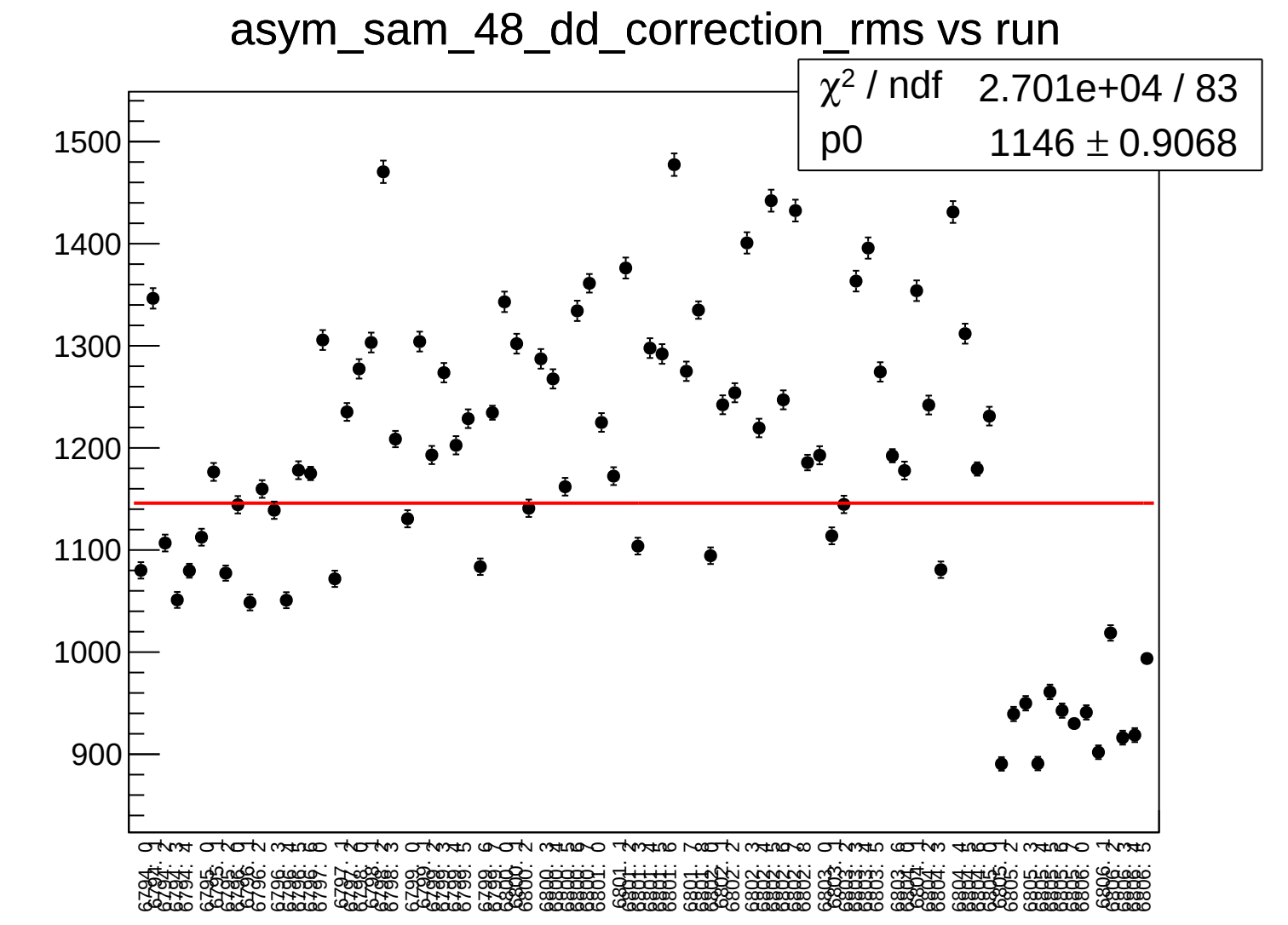

dit_asym_sam_48_dd_mean vs run
χ² / ndf 81.32 / 83
p0 −323 ± 174.5
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 84
Mean −5955
Std Dev 5997
2
1
0
−1
−2

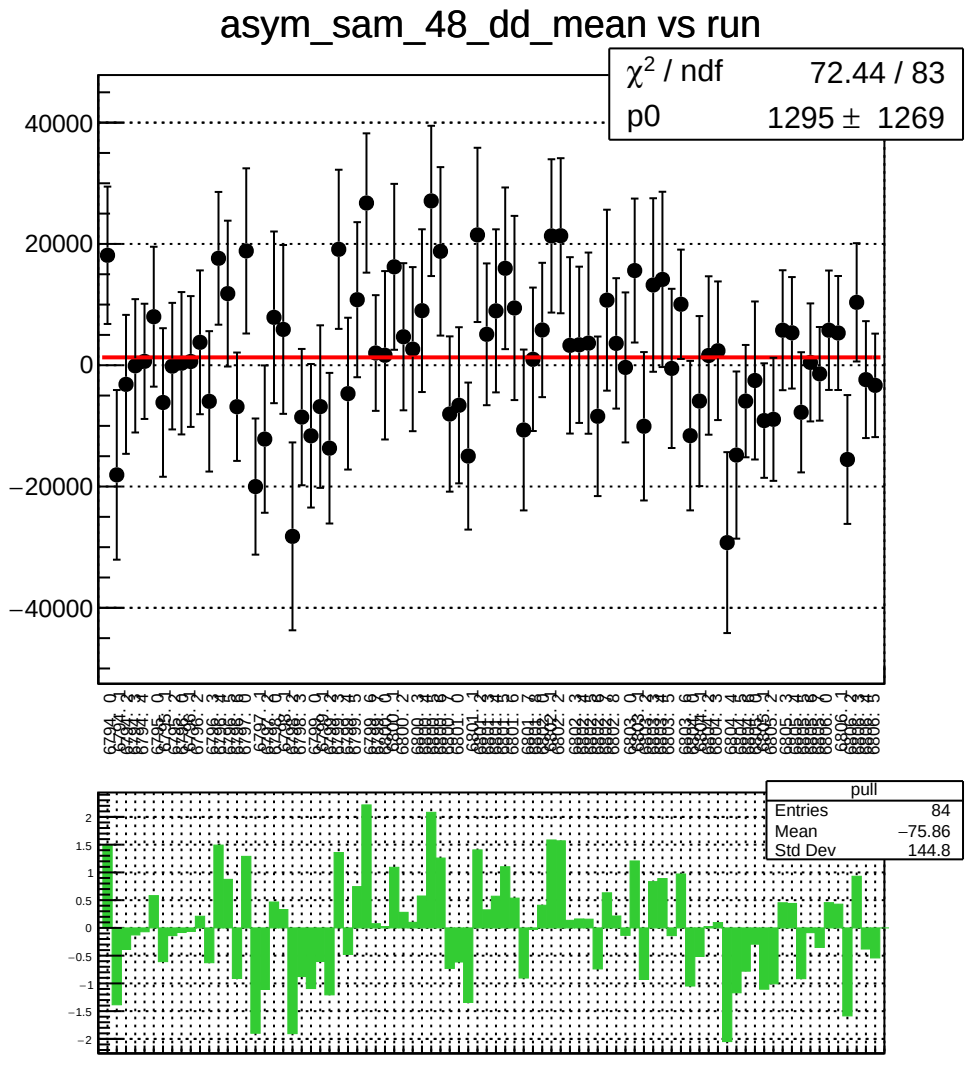

pull1D
Entries 84
Mean 0.0009361
Std Dev 0.9839
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

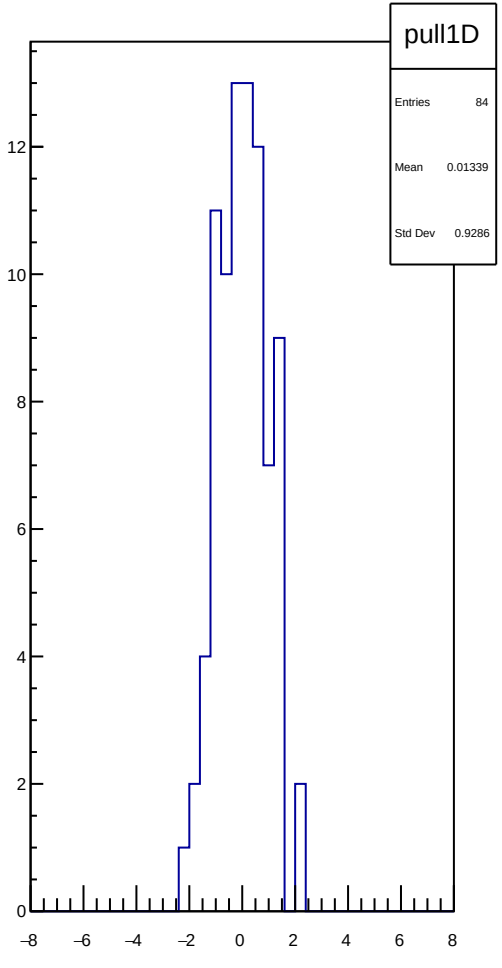

dit_asym_sam_48_dd_rms vs run
χ^2 / ndf 6850 / 83
p0 156.9 ± 0.1234
220
210
200
190
180
170
160
150
140
130

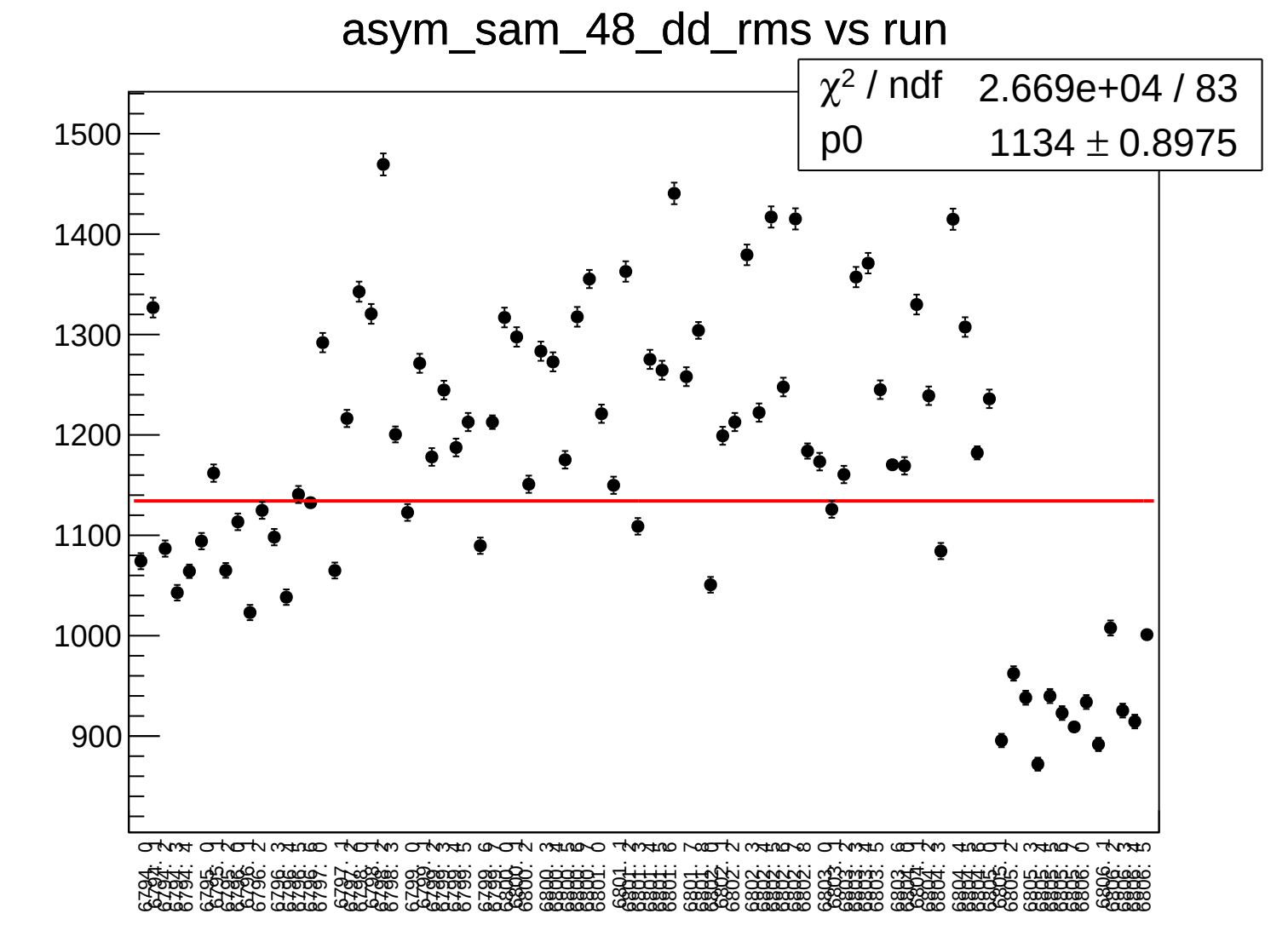

asym_sam_48_dd_correction_mean vs run
χ² / ndf 70.52 / 83
p0 −1611 ± 1282
pull
Entries 84
Mean −22.07
Std Dev 105.5

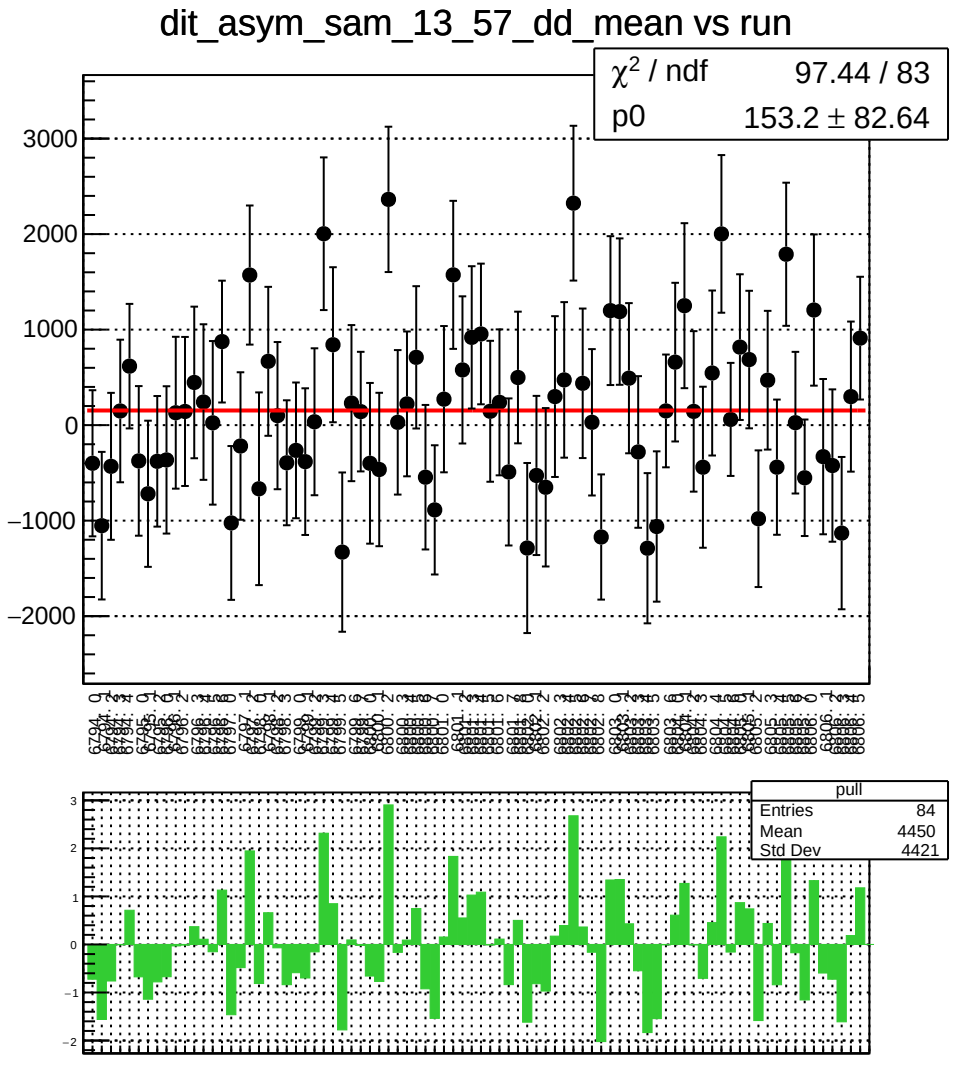

pull1D
Entries 84
Mean −0.01327
Std Dev 0.9162

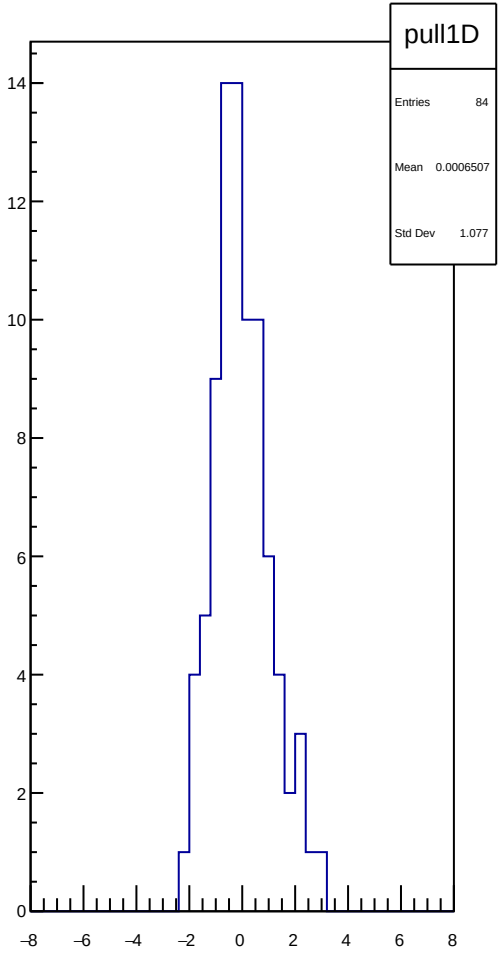

asym_sam_48_dd_correction_rms vs run
χ² / ndf 2.701e+04 / 83
p0 1146 ± 0.9068
1500
1400
1300
1200
1100
1000
900

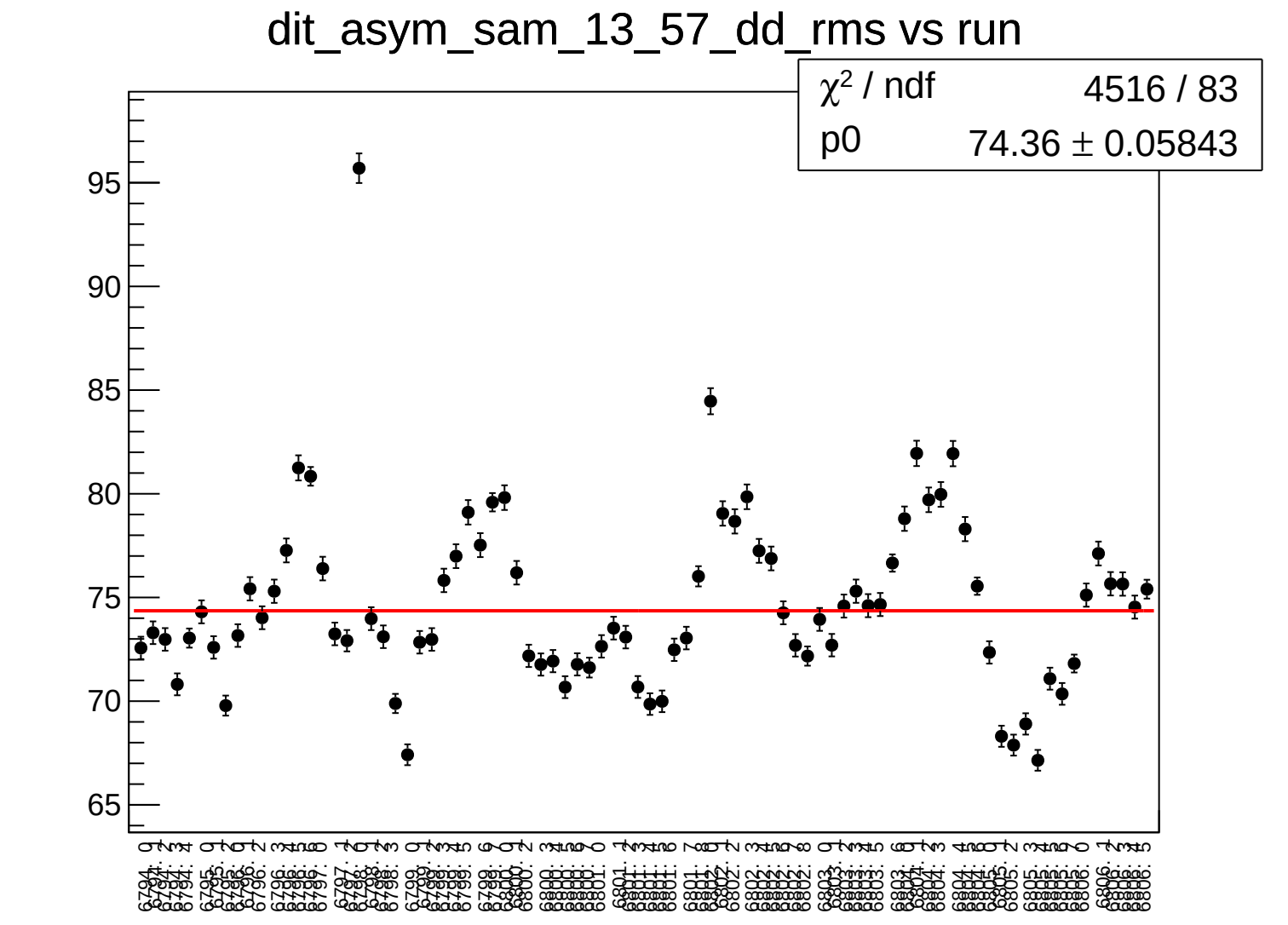

asym_sam_48_dd_mean vs run
χ² / ndf 72.44 / 83
p0 1295 ± 1269
40000
20000
0
−20000
−40000
pull
Entries 84
Mean −75.86
Std Dev 144.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

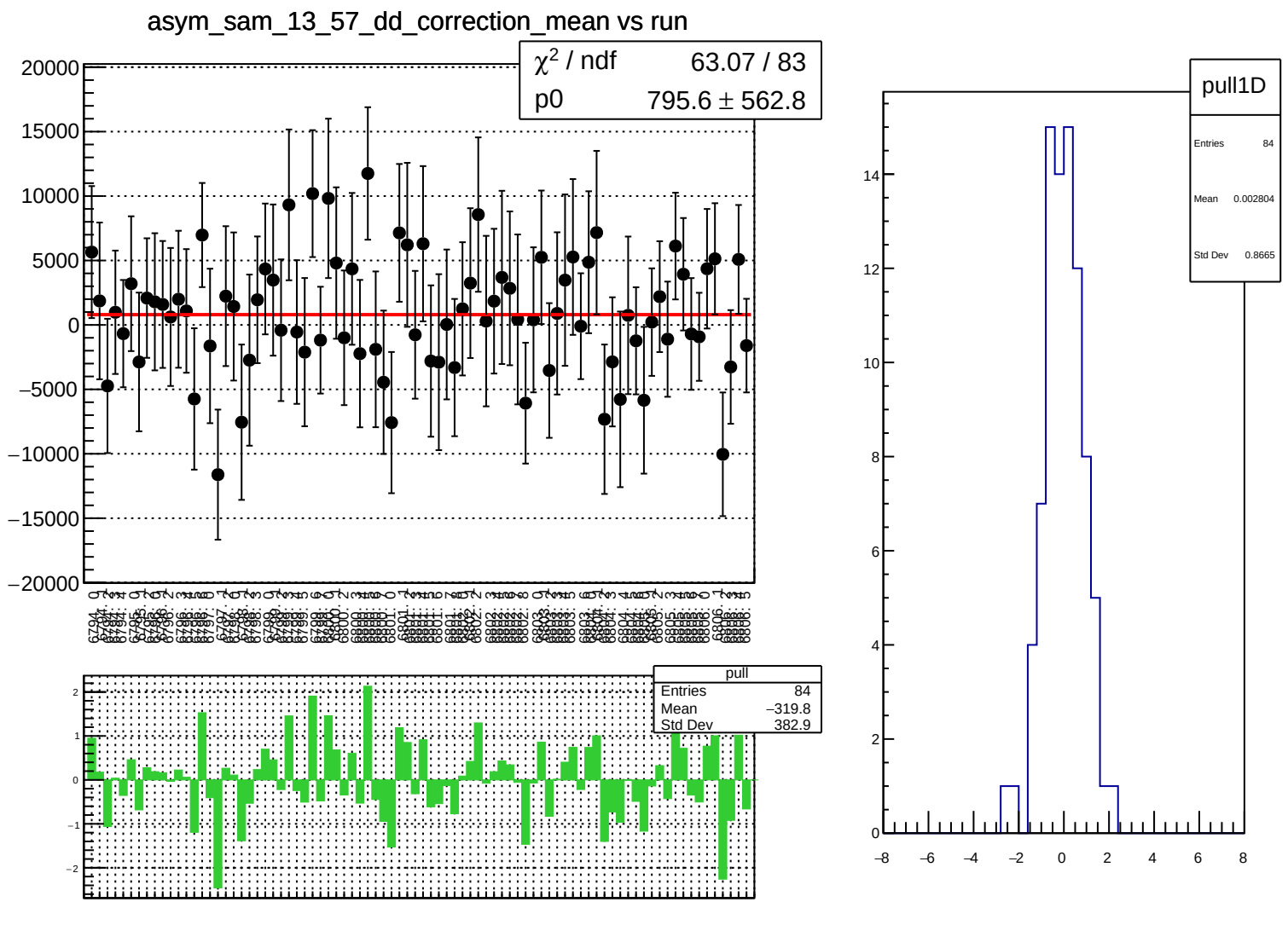

pull1D
Entries 84
Mean 0.01339
Std Dev 0.9286
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

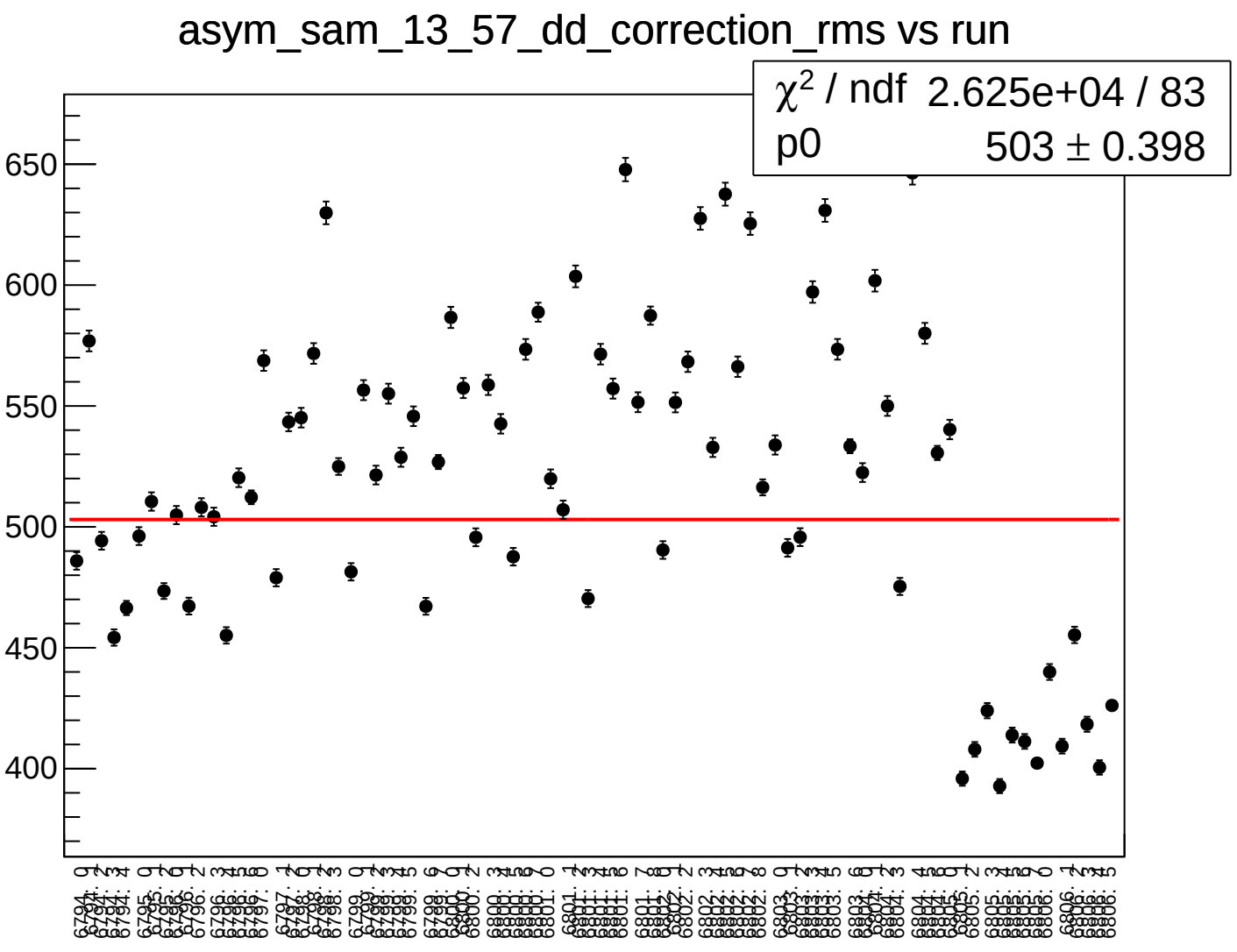

asym_sam_48_dd_rms vs run
χ² / ndf 2.669e+04 / 83
p0 1134 ± 0.8975
1500
1400
1300
1200
1100
1000
900

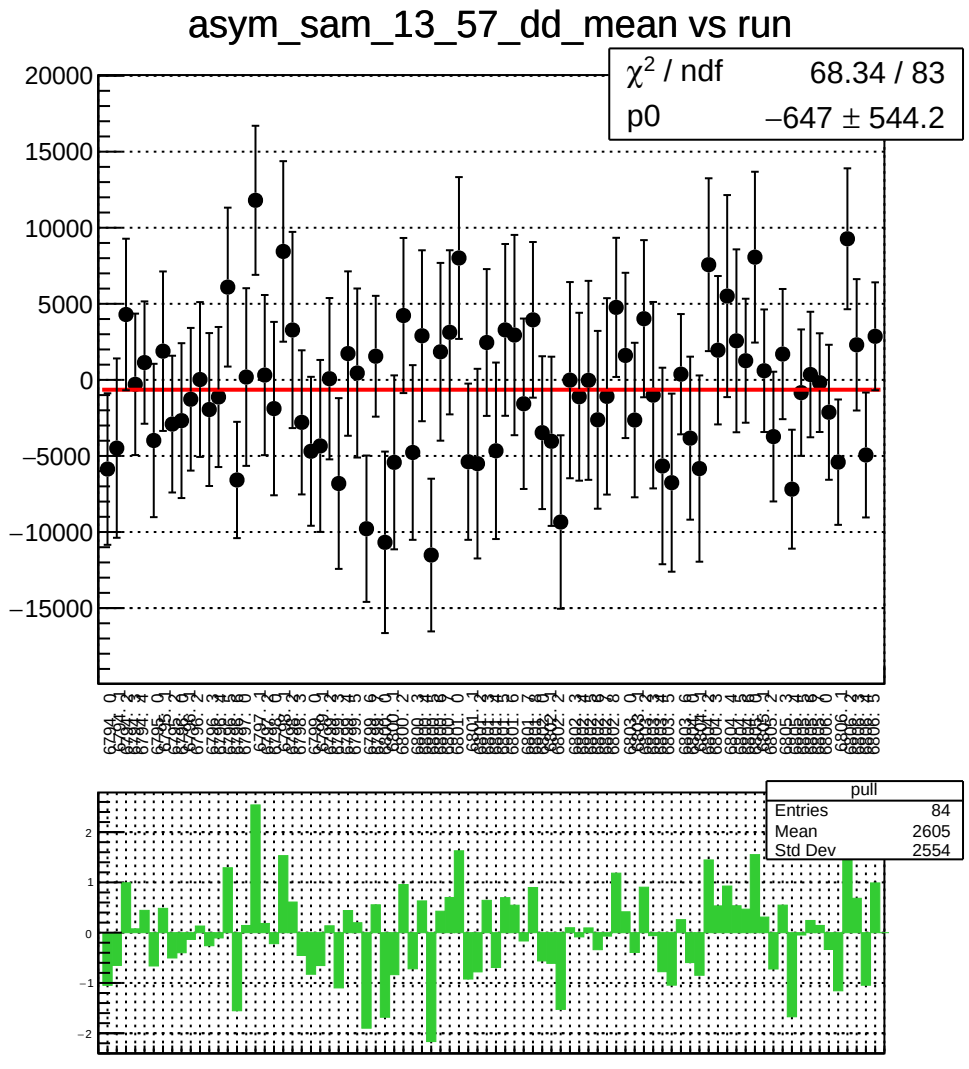

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 97.44 / 83
p0 153.2 ± 82.64
3000
2000
1000
0
−1000
−2000
pull
Entries 84
Mean 4450
Std Dev 4421
3
2
1
0
−1
−2

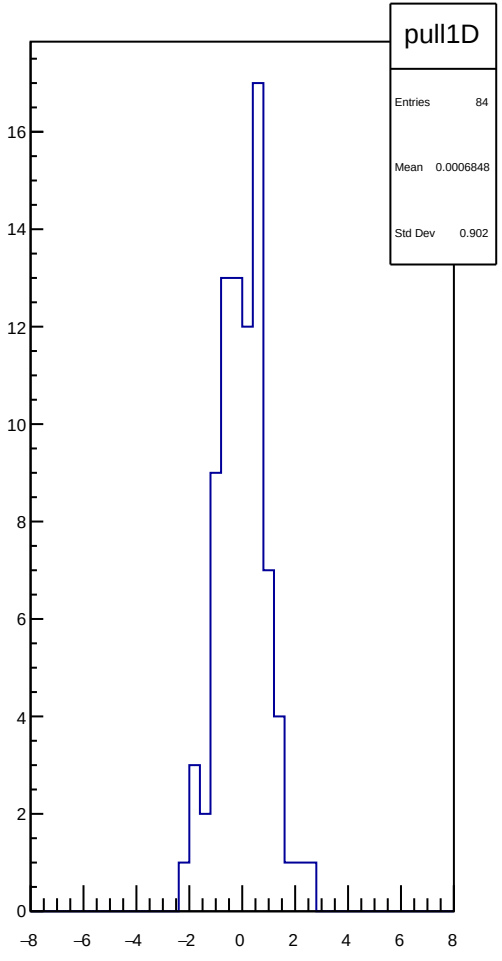

pull1D
Entries 84
Mean 0.0006507
Std Dev 1.077
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

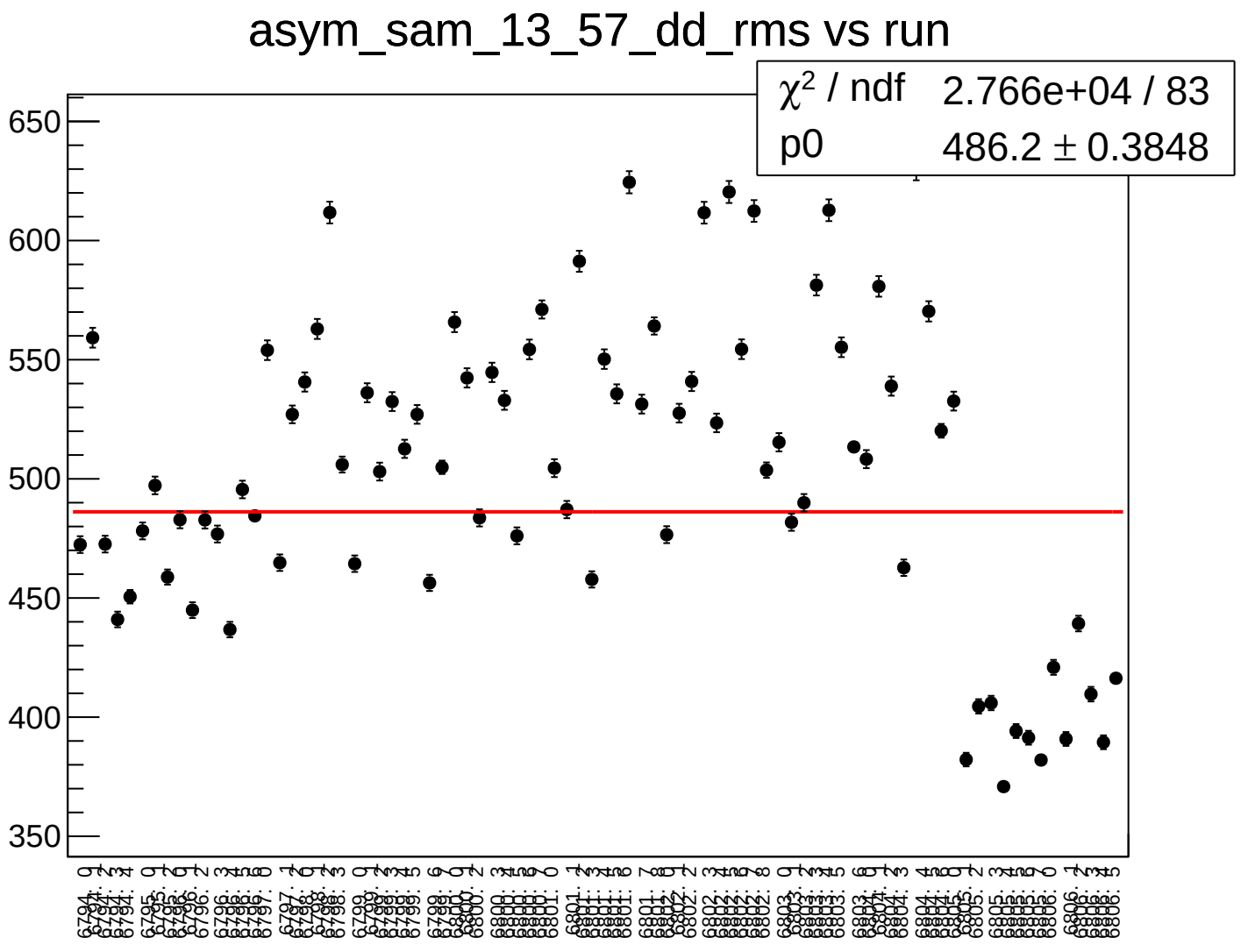

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 4516 / 83
p0 74.36 ± 0.05843
95
90
85
80
75
70
65

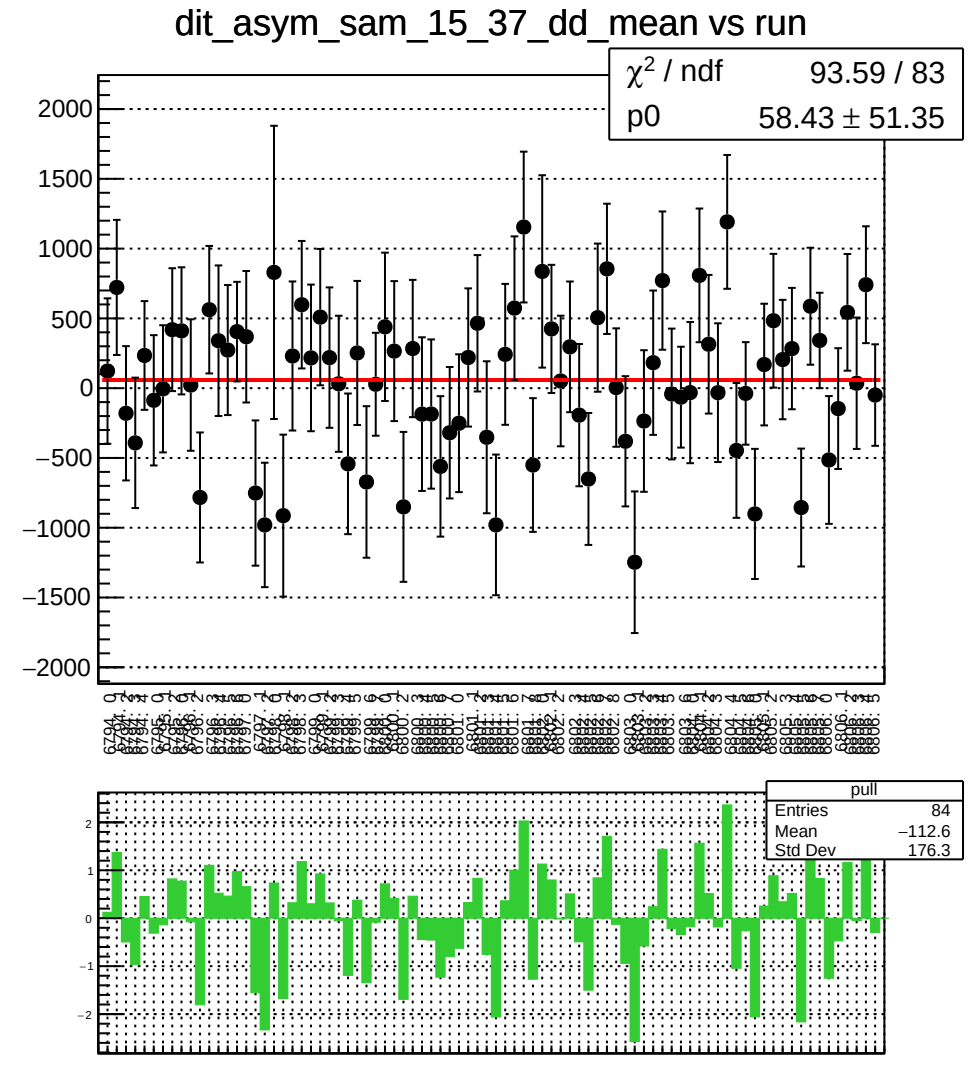

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 63.07 / 83
p0 795.6 ± 562.8
pull
Entries 84
Mean −319.8
Std Dev 382.9
pull1D
Entries 84
Mean 0.002804
Std Dev 0.8665

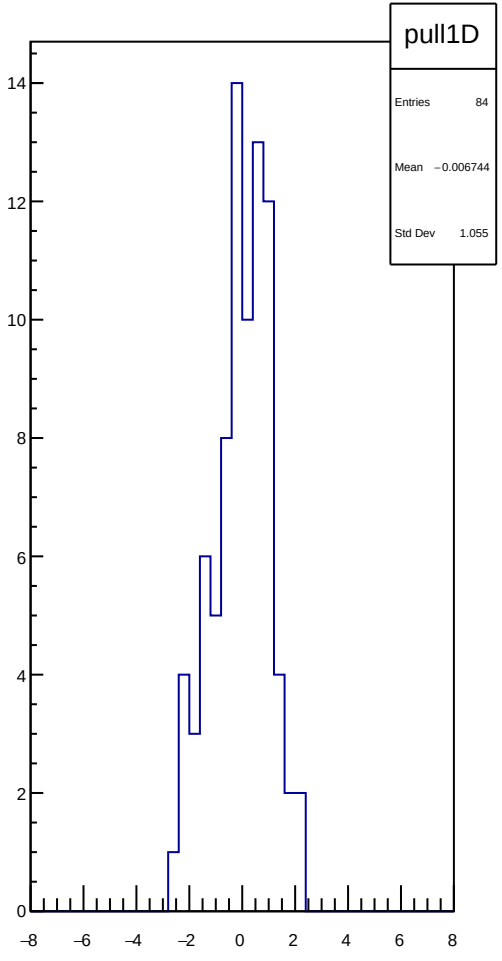

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 2.625e+04 / 83
p0 503 ± 0.398
650
600
550
500
450
400

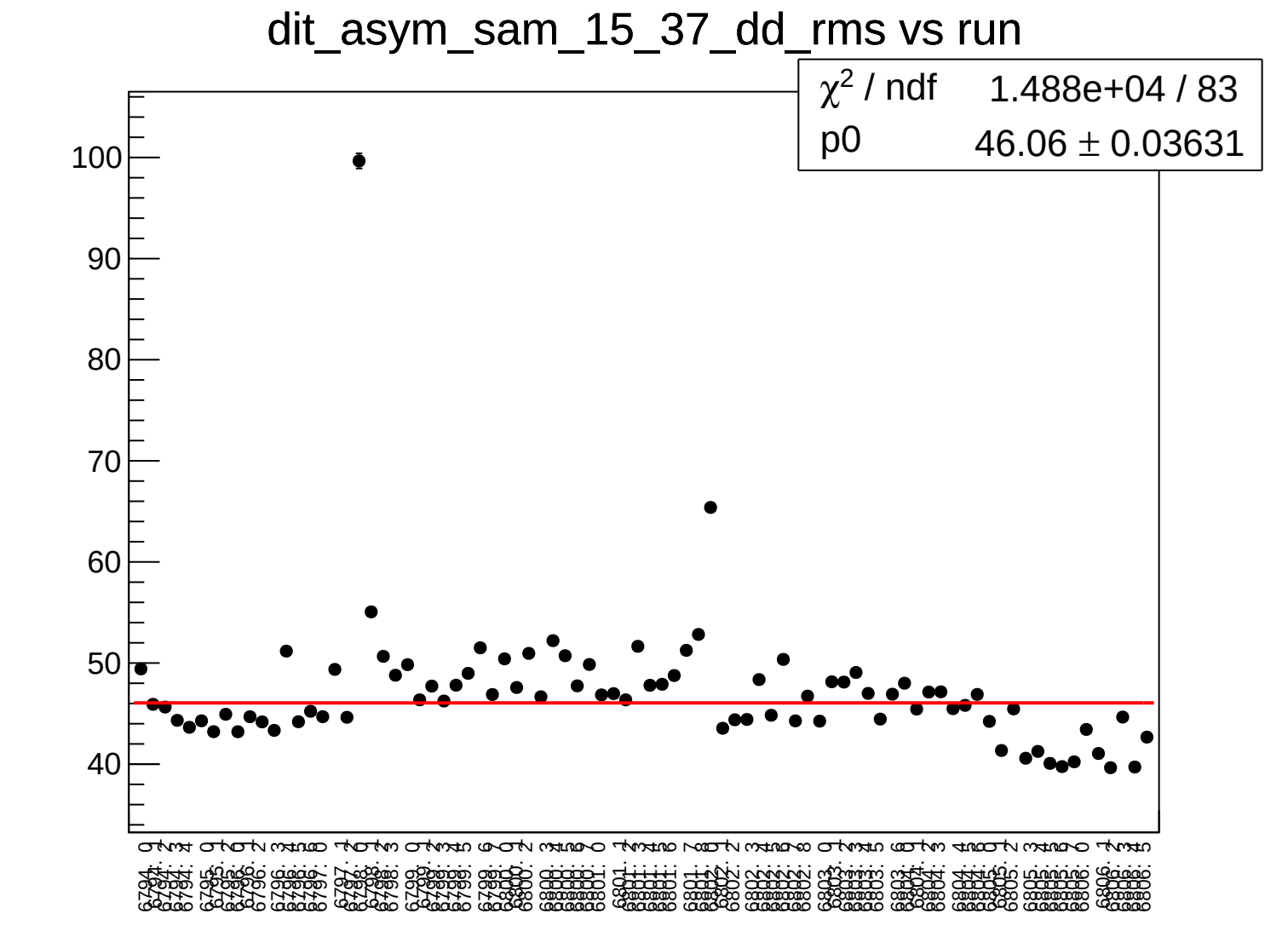

asym_sam_13_57_dd_mean vs run
χ² / ndf 68.34 / 83
p0 −647 ± 544.2
pull
Entries 84
Mean 2605
Std Dev 2554

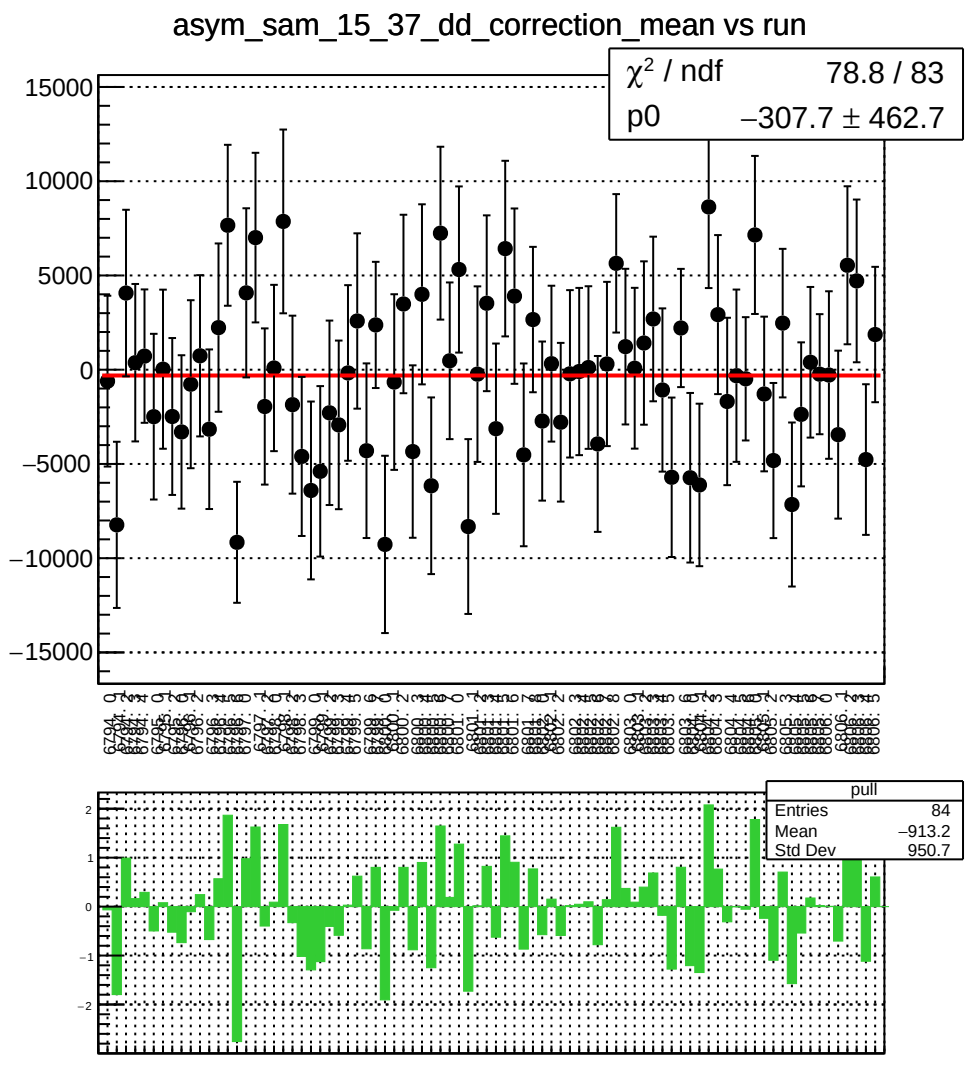

pull1D
Entries 84
Mean 0.0006848
Std Dev 0.902

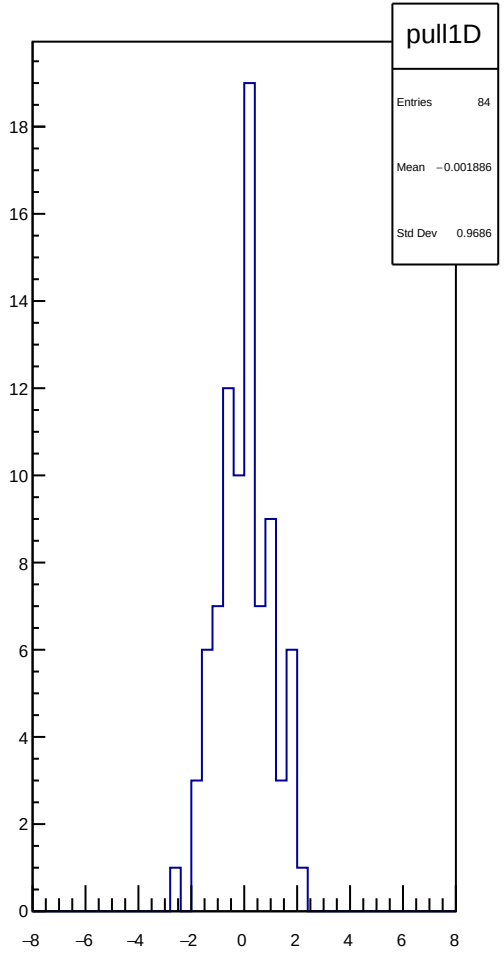

asym_sam_13_57_dd_rms vs run
χ² / ndf 2.766e+04 / 83
p0 486.2 ± 0.3848
650
600
550
500
450
400
350

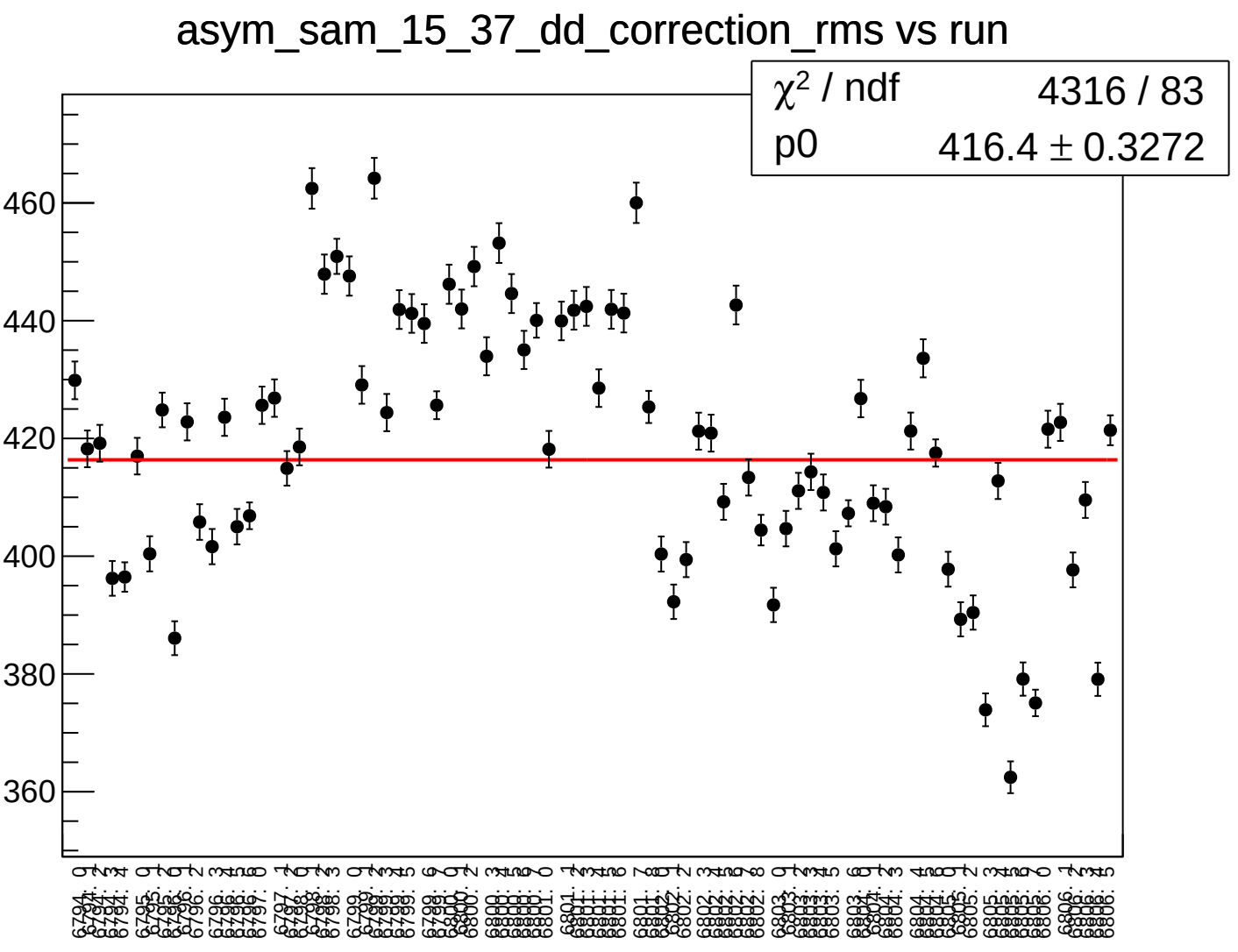

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 93.59 / 83
p0 58.43 ± 51.35
pull
Entries 84
Mean −112.6
Std Dev 176.3

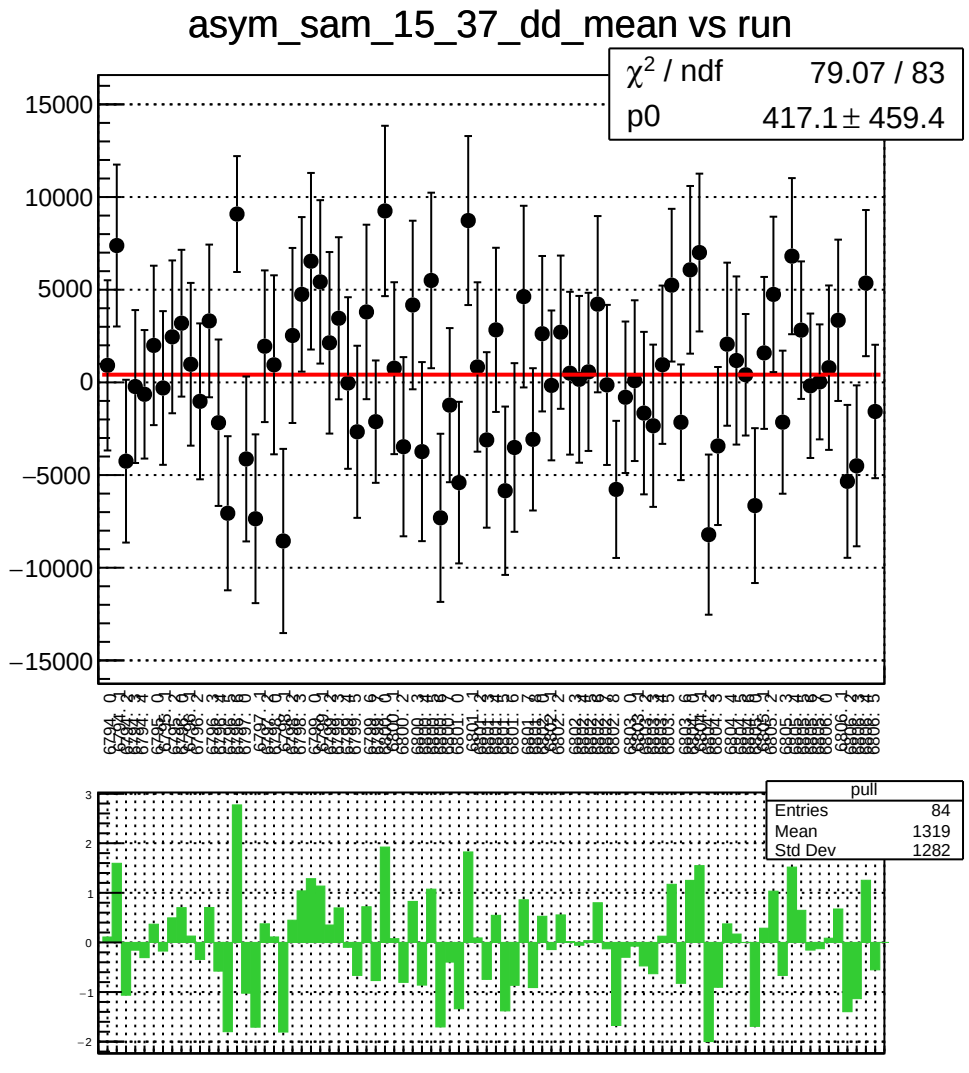

pull1D
Entries 84
Mean −0.006744
Std Dev 1.055

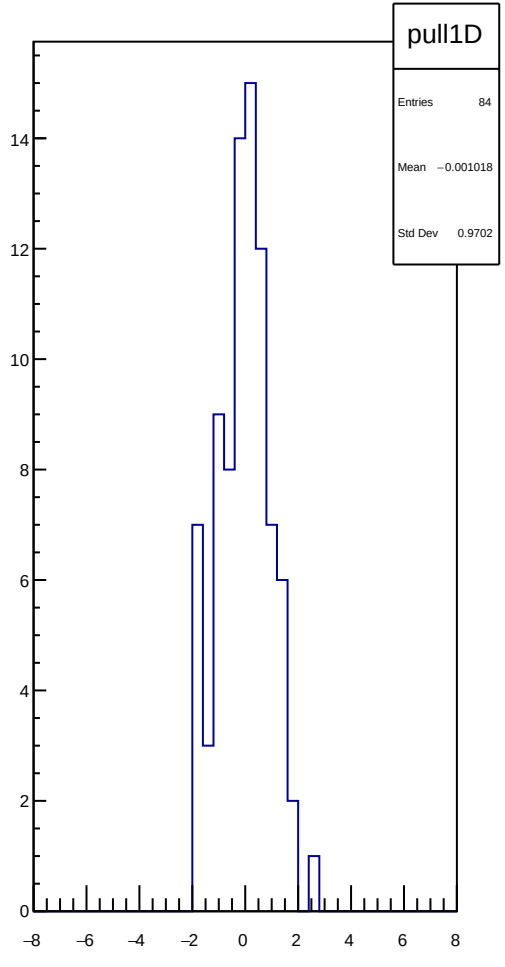

dit_asym_sam_15_37_dd_rms vs run
χ^2 / ndf 1.488e+04 / 83
p0 46.06 ± 0.03631
100
90
80
70
60
50
40

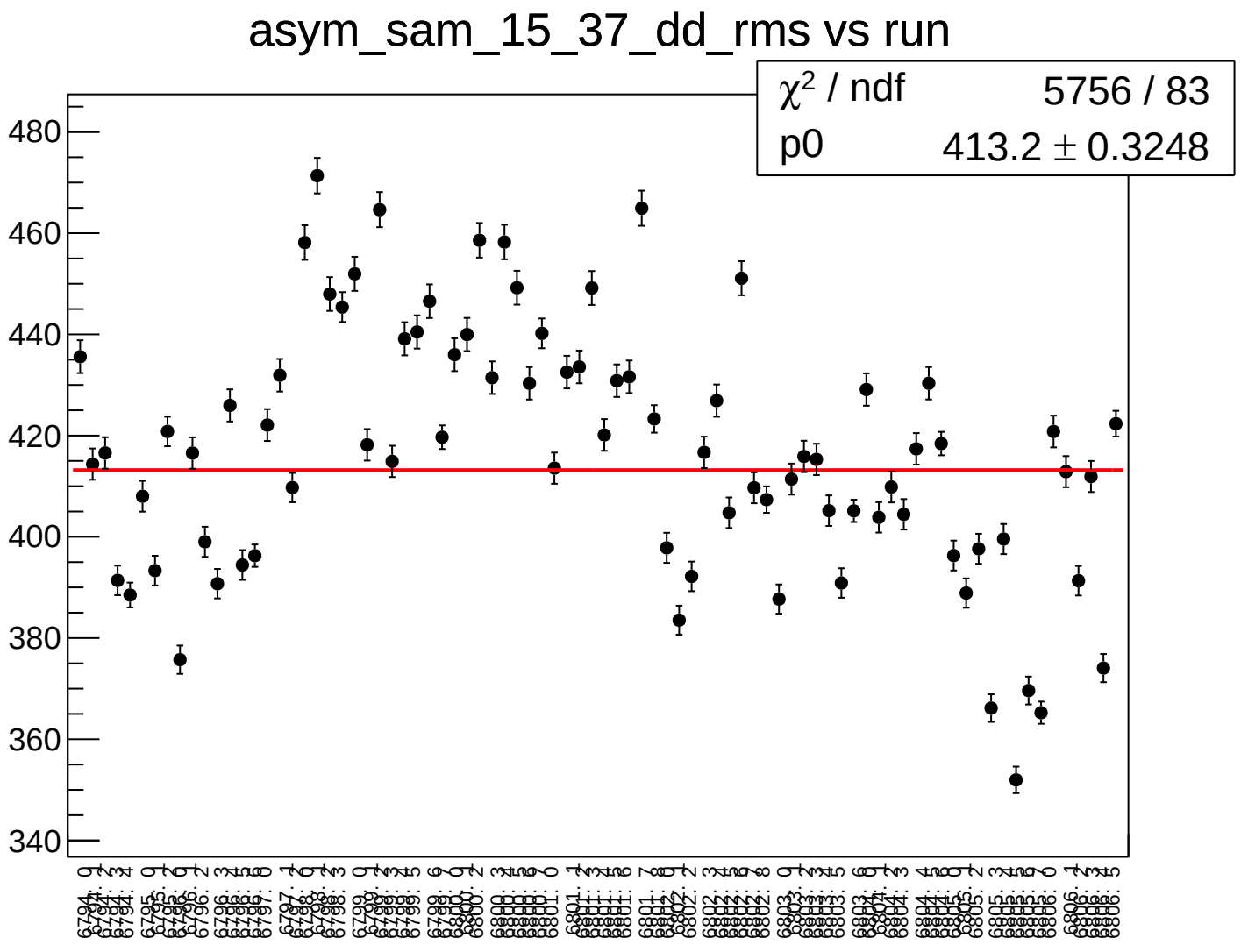

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 78.8 / 83
p0 −307.7 ± 462.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean −913.2
Std Dev 950.7
2
1
0
−1
−2

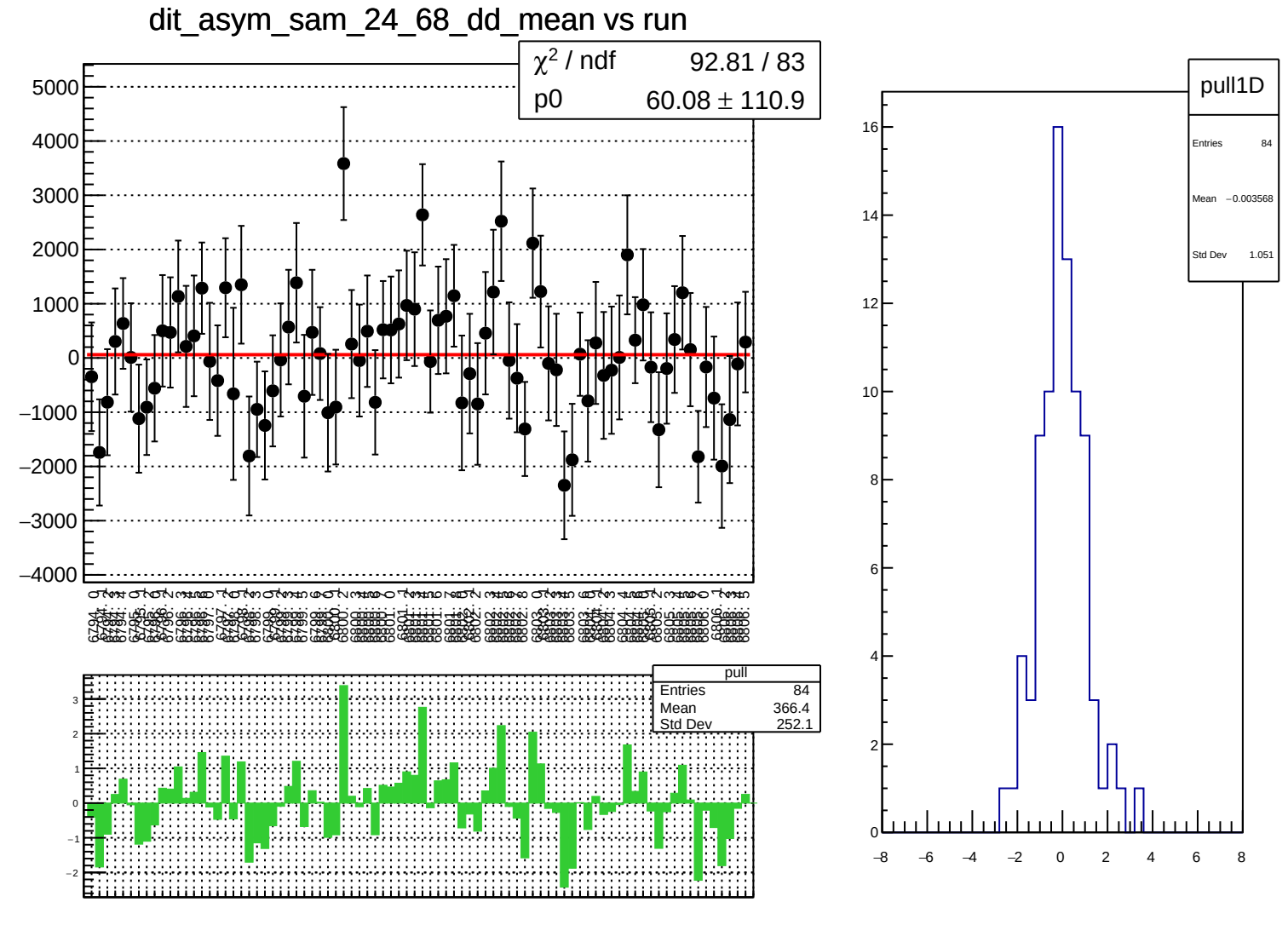

pull1D
Entries 84
Mean −0.001886
Std Dev 0.9686
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

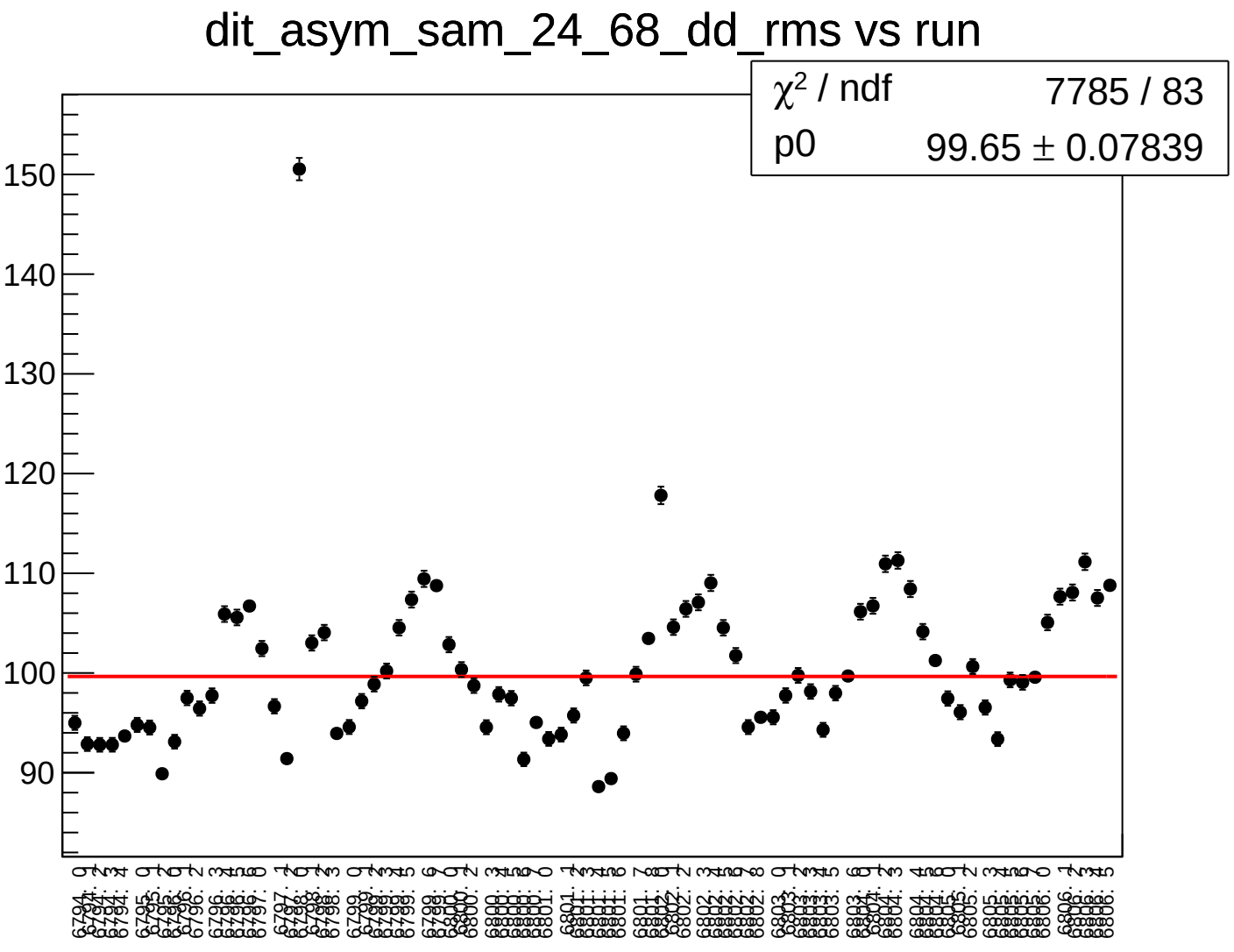

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 4316 / 83
p0 416.4 ± 0.3272
460
440
420
400
380
360

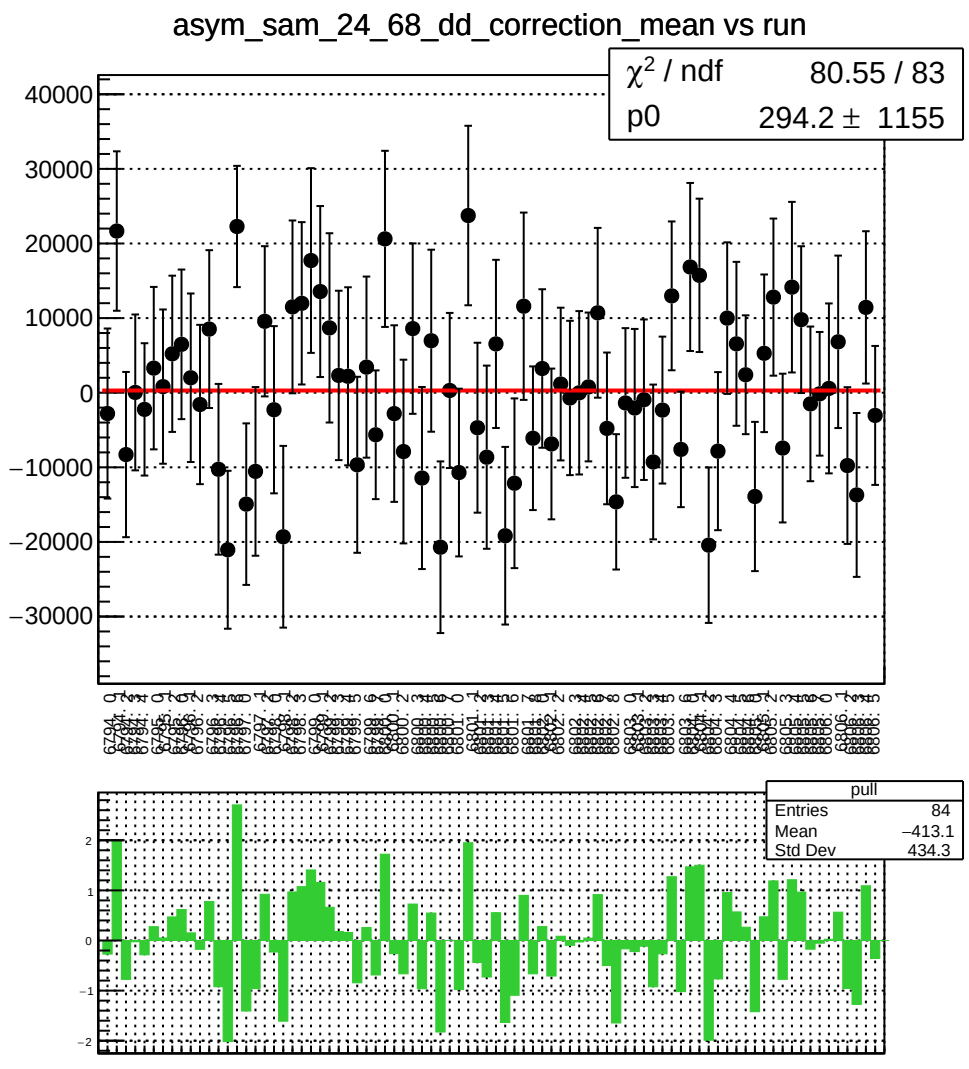

asym_sam_15_37_dd_mean vs run
χ² / ndf 79.07 / 83
p0 417.1 ± 459.4
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean 1319
Std Dev 1282
3
2
1
0
−1
−2

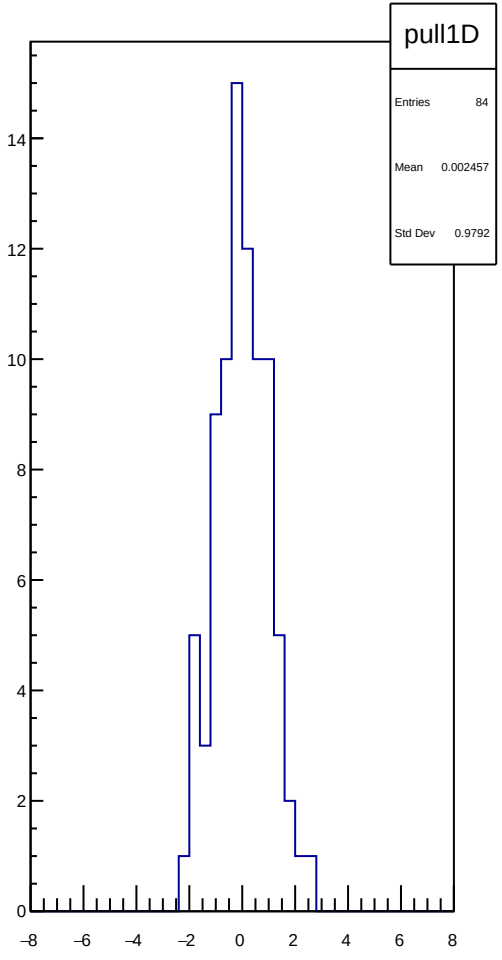

pull1D
Entries 84
Mean −0.001018
Std Dev 0.9702
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

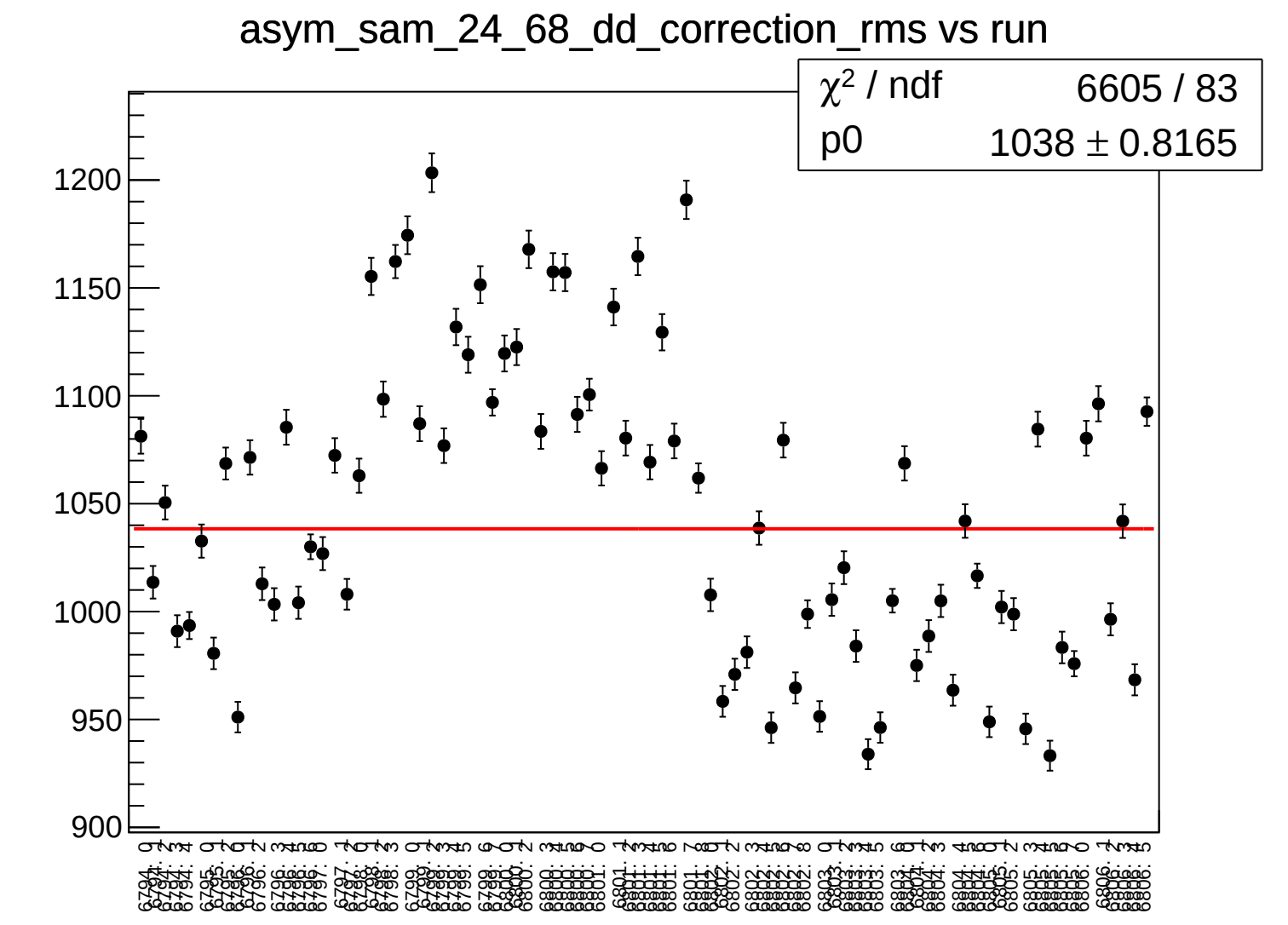

asym_sam_15_37_dd_rms vs run
χ^2 / ndf 5756 / 83
p0 413.2 ± 0.3248
480
460
440
420
400
380
360
340

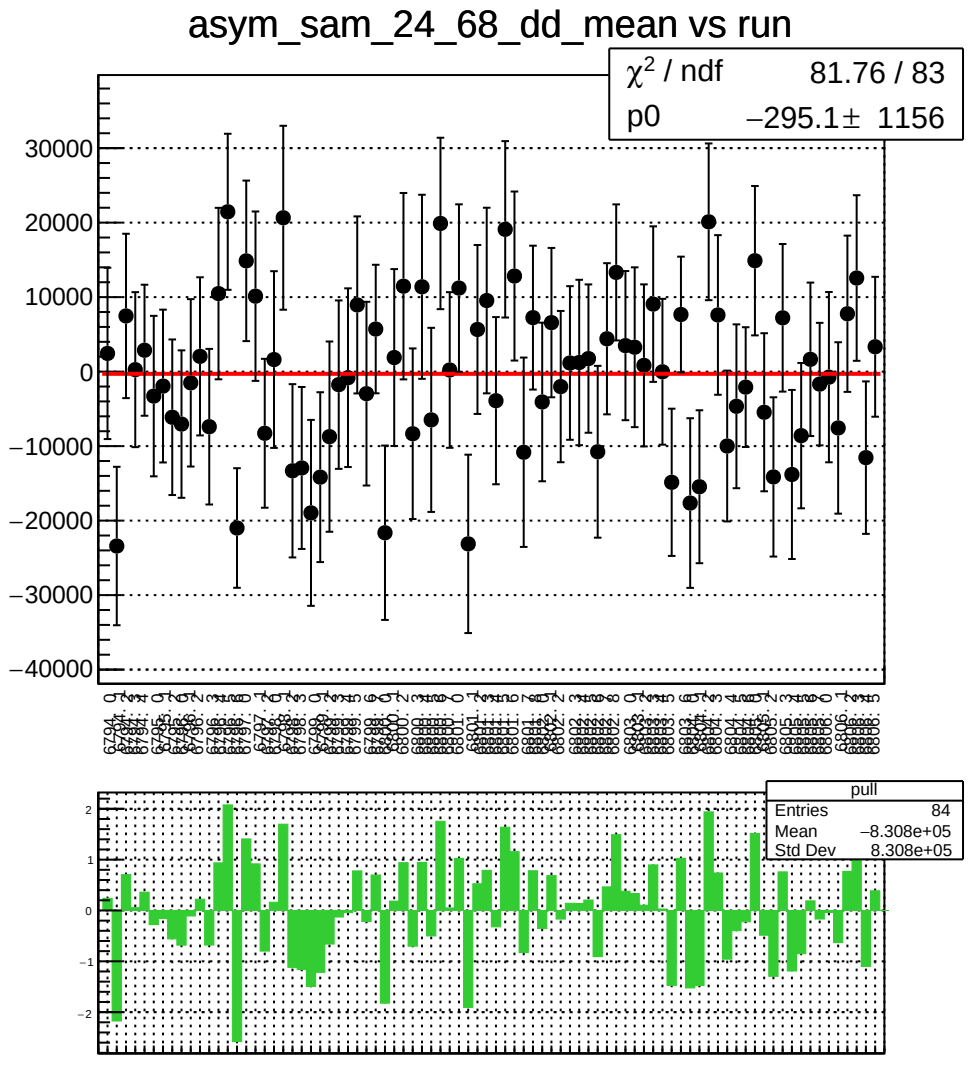

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 92.81 / 83
p0 60.08 ± 110.9
pull
Entries 84
Mean 366.4
Std Dev 252.1
pull1D
Entries 84
Mean −0.003568
Std Dev 1.051

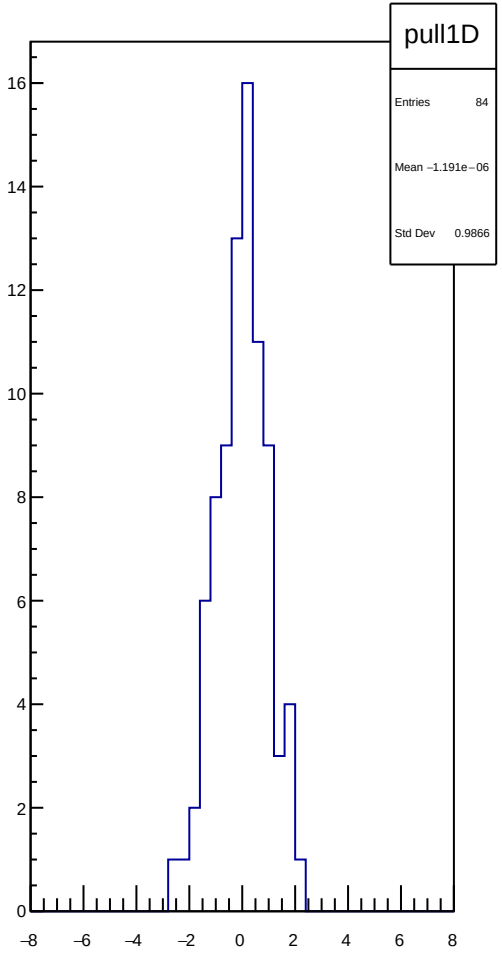

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 7785 / 83
p0 99.65 ± 0.07839
150
140
130
120
110
100
90

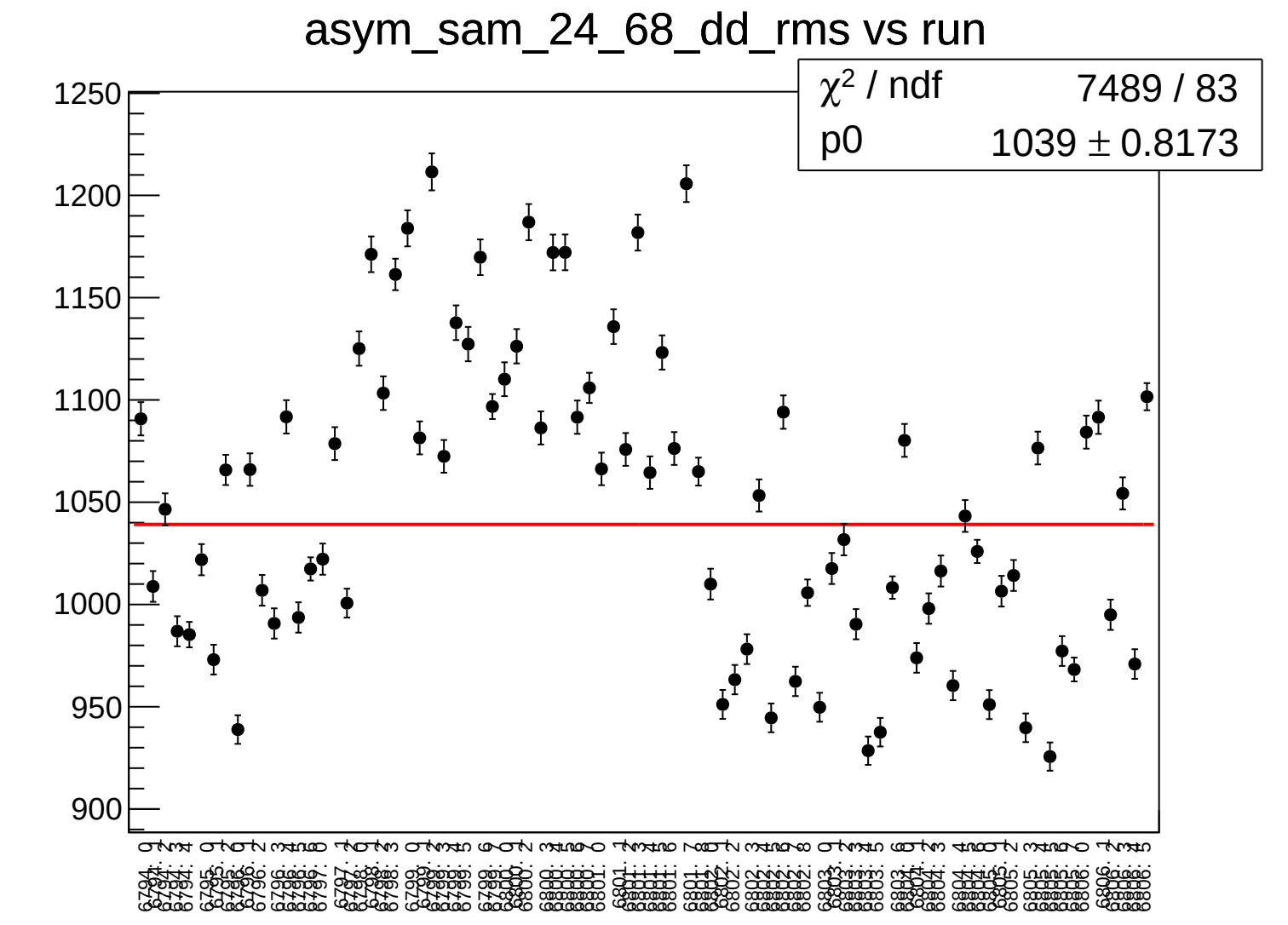

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 80.55 / 83
p0 294.2 ± 1155
pull
Entries 84
Mean −413.1
Std Dev 434.3

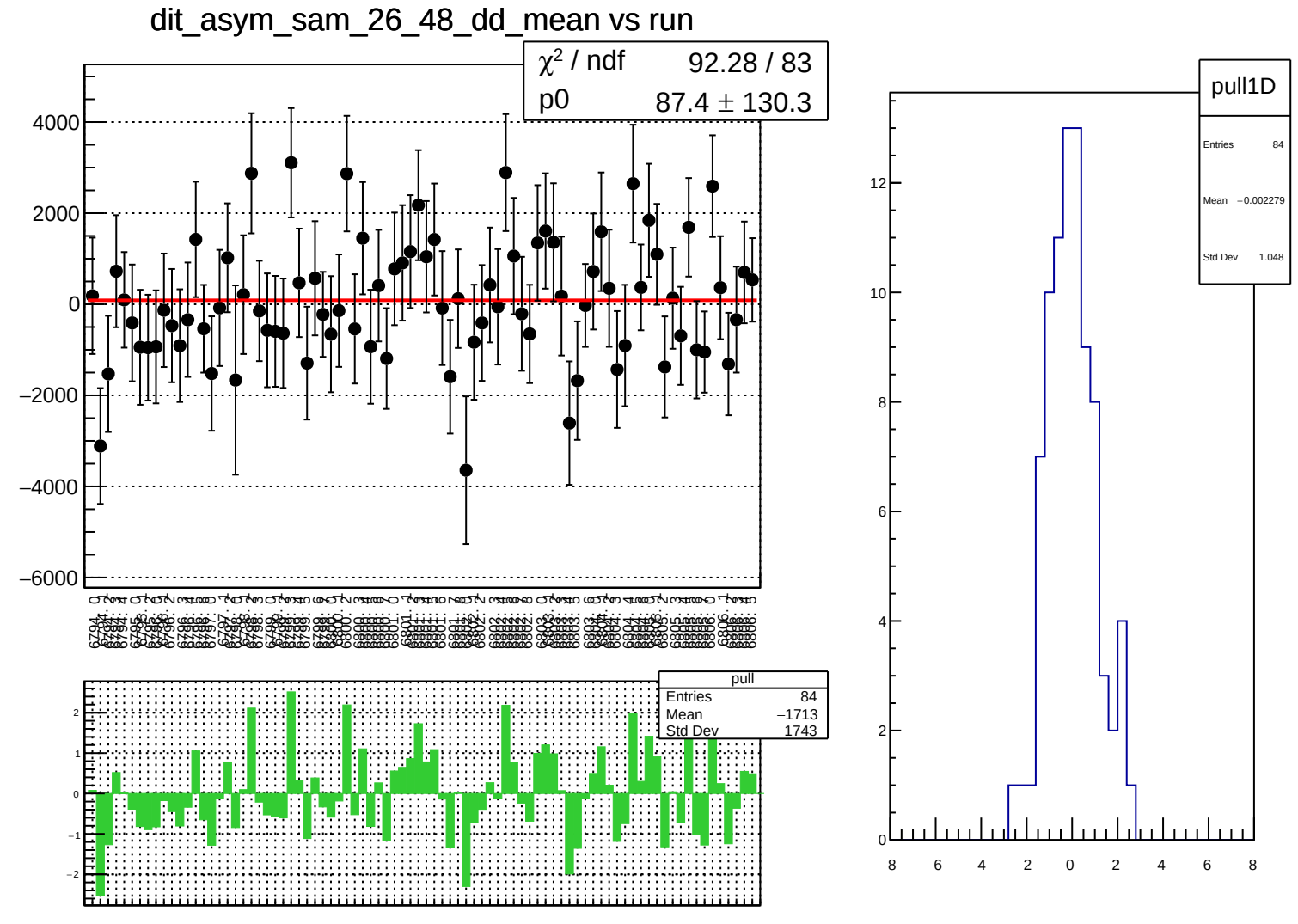

pull1D
Entries 84
Mean 0.002457
Std Dev 0.9792

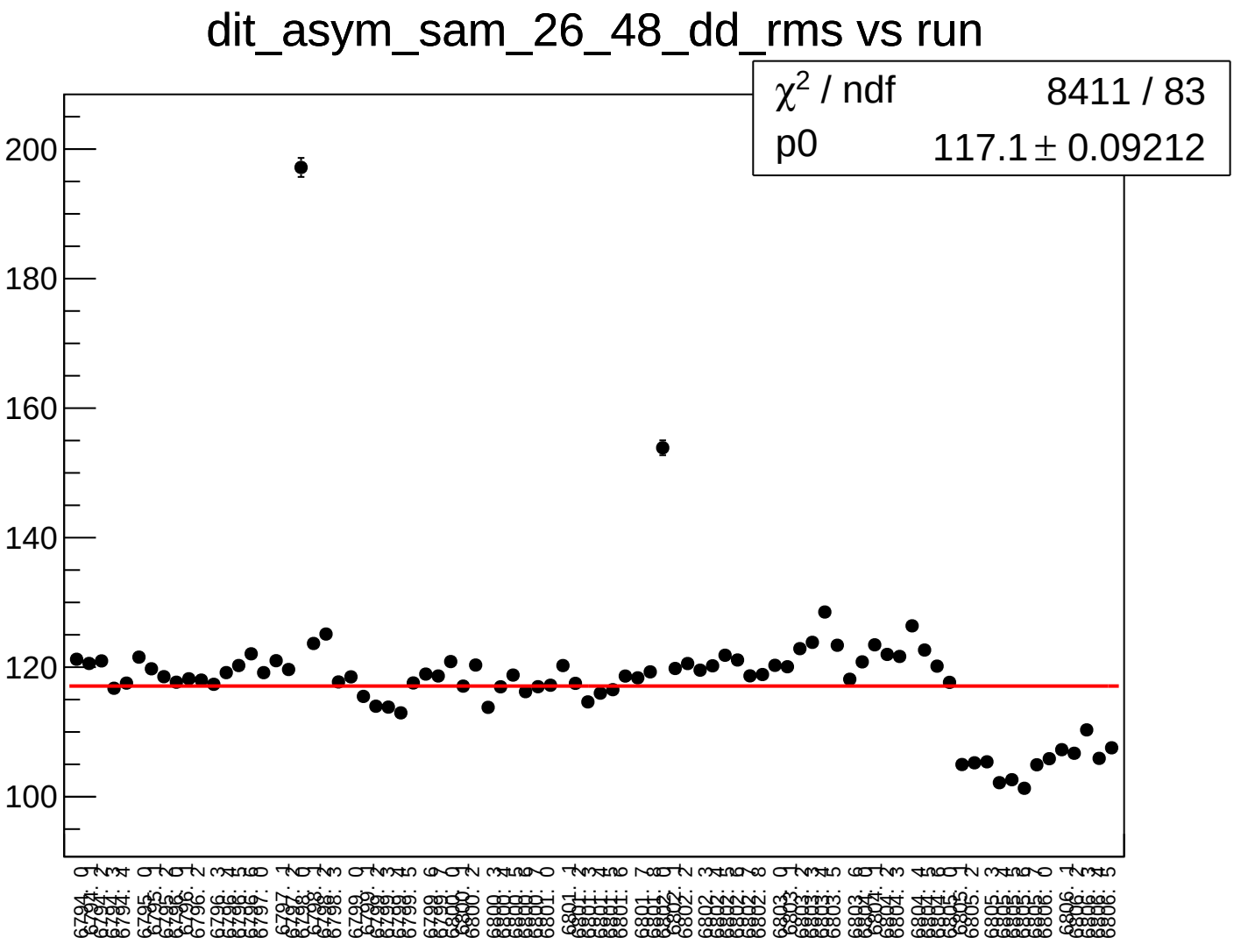

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 6605 / 83
p0 1038 ± 0.8165
1200
1150
1100
1050
1000
950
900

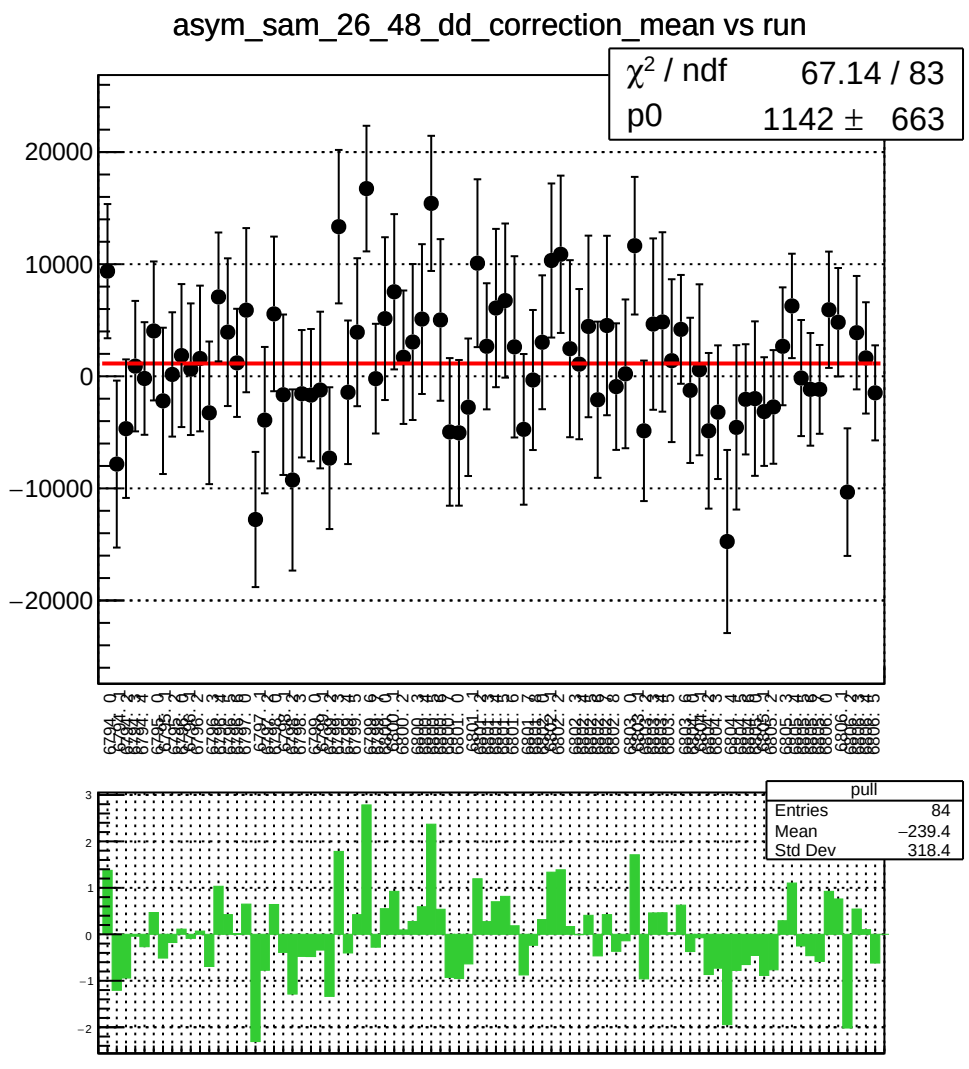

asym_sam_24_68_dd_mean vs run
χ² / ndf 81.76 / 83
p0 −295.1± 1156
pull
Entries 84
Mean −8.308e+05
Std Dev 8.308e+05

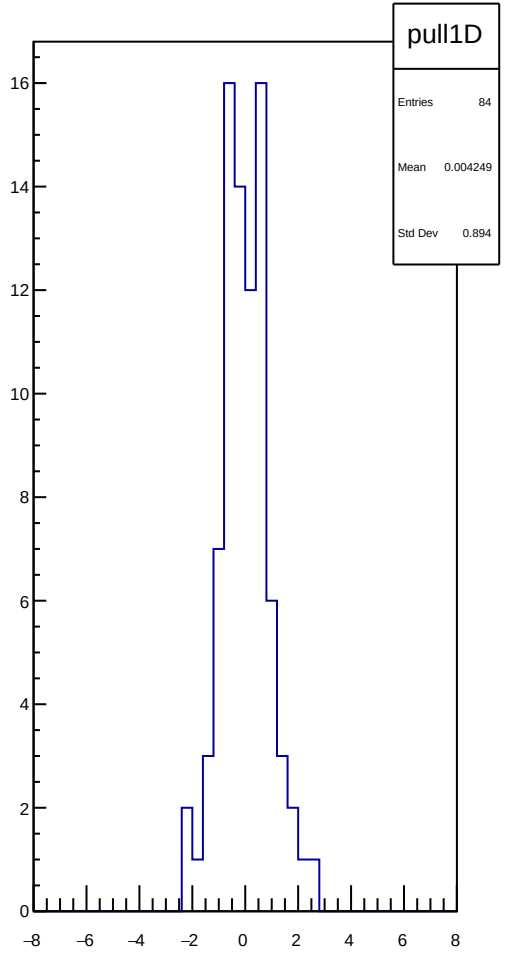

pull1D
Entries 84
Mean −1.191e−06
Std Dev 0.9866

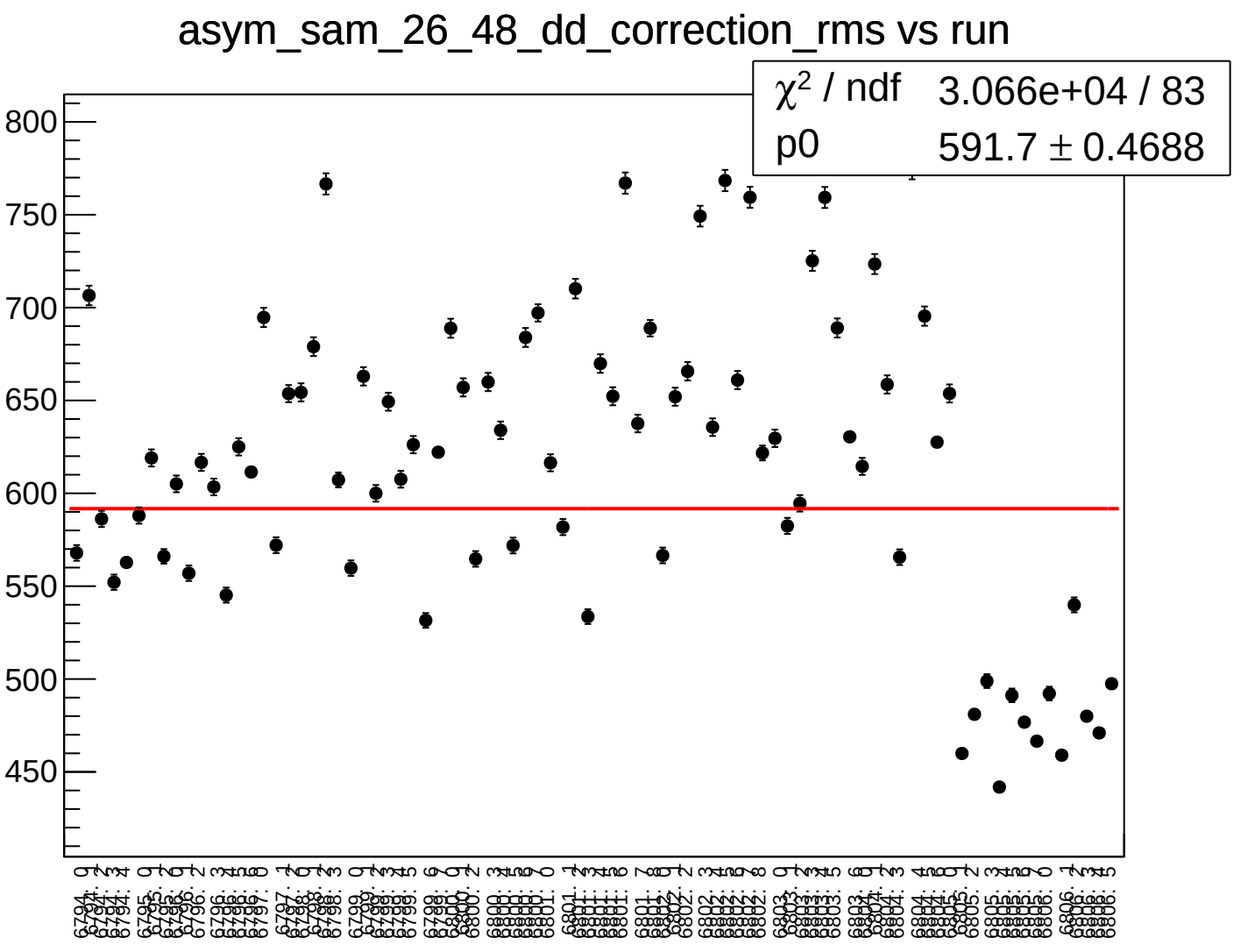

asym_sam_24_68_dd_rms vs run
χ² / ndf 7489 / 83
p0 1039 ± 0.8173
1250
1200
1150
1100
1050
1000
950
900

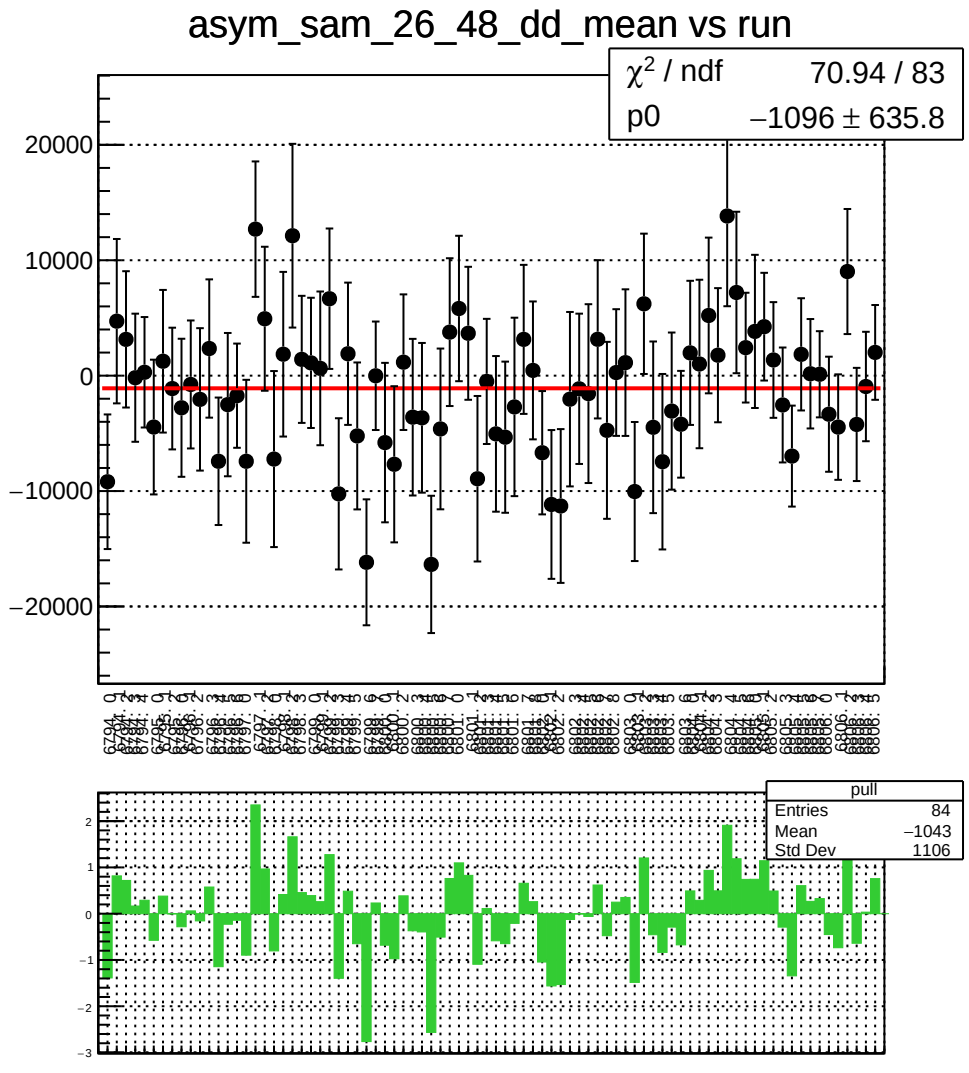

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 92.28 / 83
p0 87.4 ± 130.3
4000
2000
0
−2000
−4000
−6000
pull
Entries 84
Mean −1713
Std Dev 1743
2
1
0
−1
−2
pull1D
Entries 84
Mean −0.002279
Std Dev 1.048
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

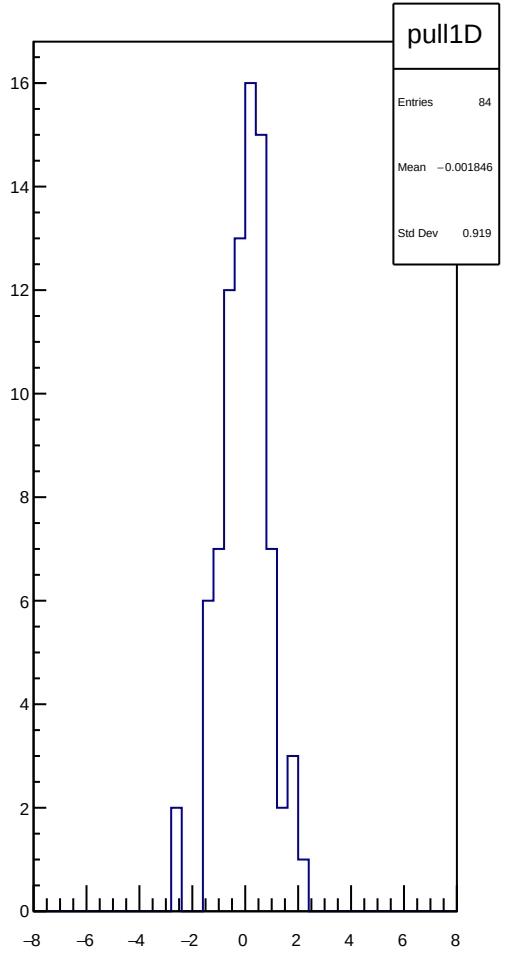

dit_asym_sam_26_48_dd_rms vs run
χ^2 / ndf 8411 / 83
p0 117.1 ± 0.09212
200
180
160
140
120
100

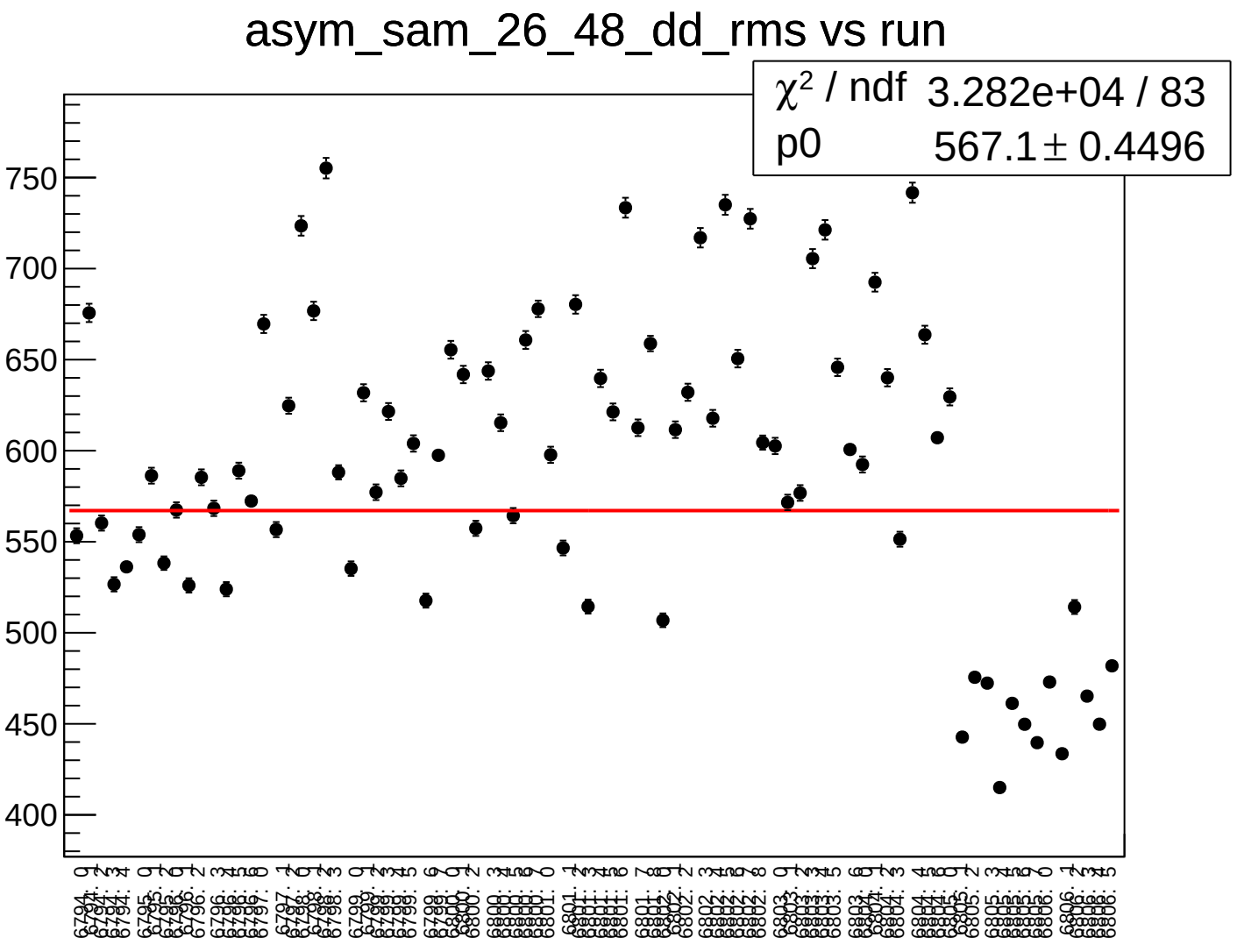

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 67.14 / 83
p0 1142 ± 663
20000
10000
0
−10000
−20000
pull
Entries 84
Mean −239.4
Std Dev 318.4
3
2
1
0
−1
−2

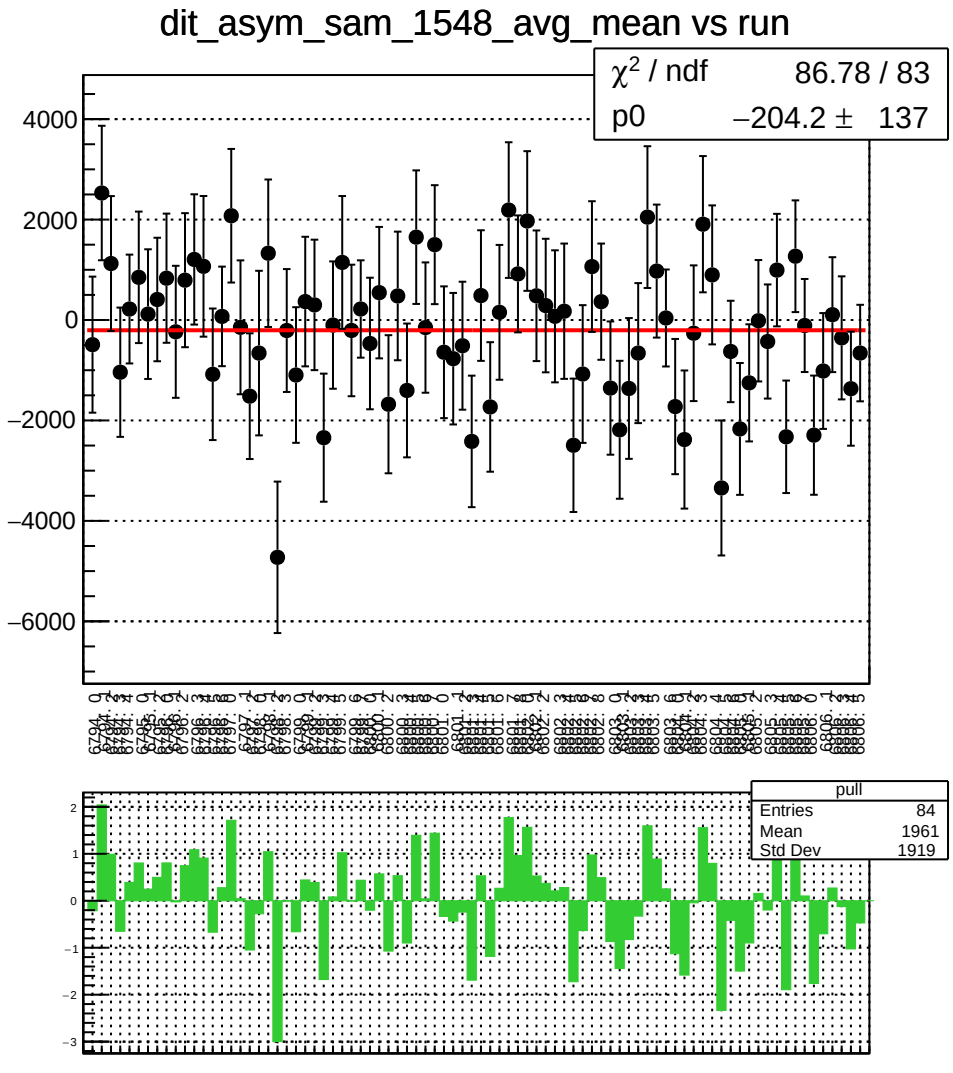

pull1D
Entries 84
Mean 0.004249
Std Dev 0.894
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

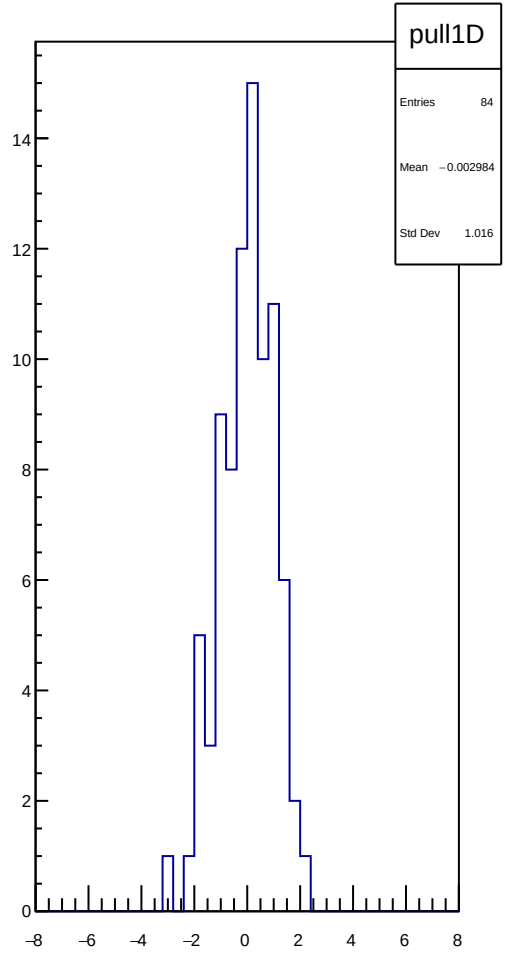

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 3.066e+04 / 83
p0 591.7 ± 0.4688
800
750
700
650
600
550
500
450

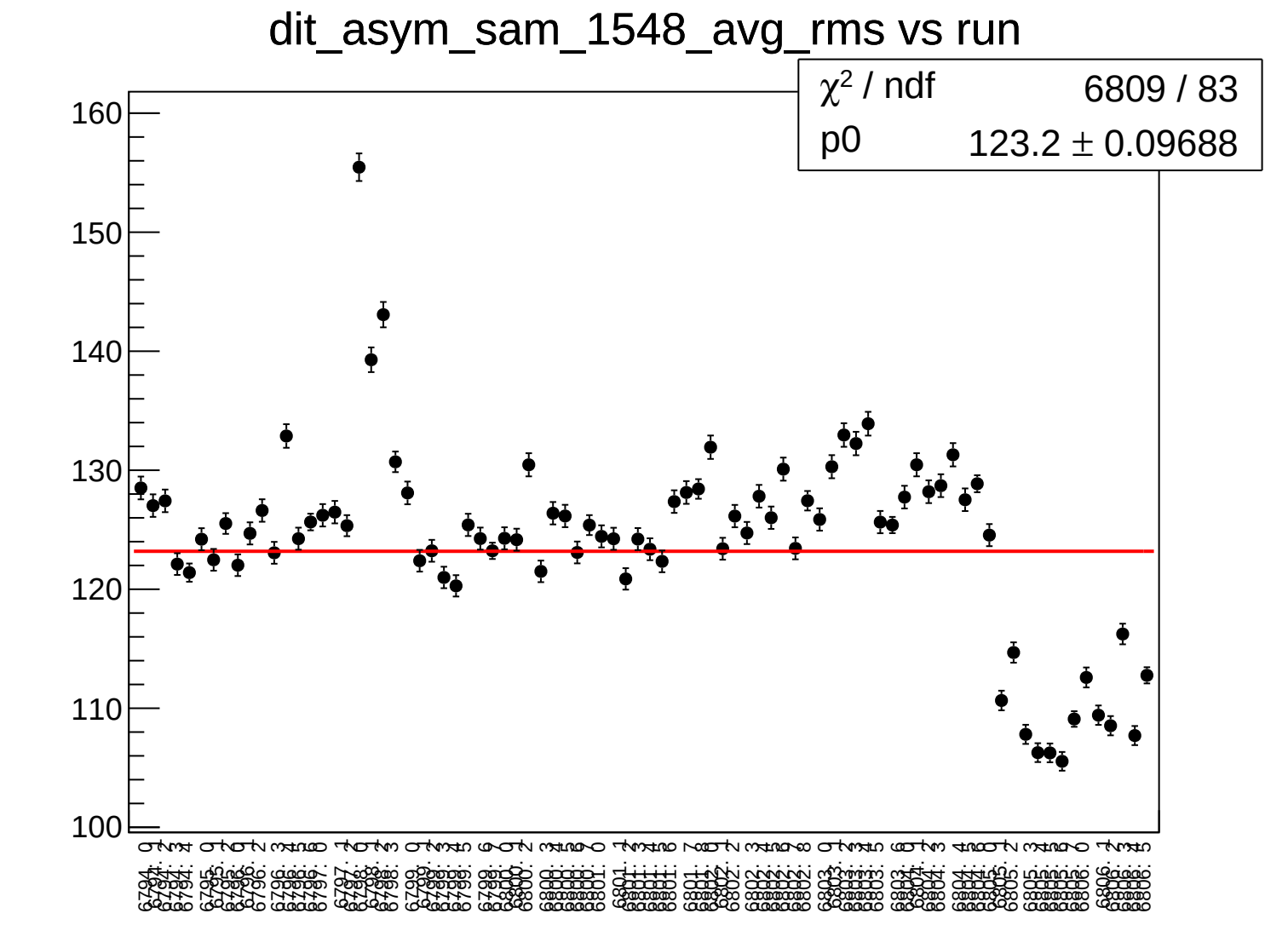

asym_sam_26_48_dd_mean vs run
χ² / ndf 70.94 / 83
p0 −1096 ± 635.8
20000
10000
0
−10000
−20000
pull
Entries 84
Mean −1043
Std Dev 1106
2
1
0
−1
−2
−3

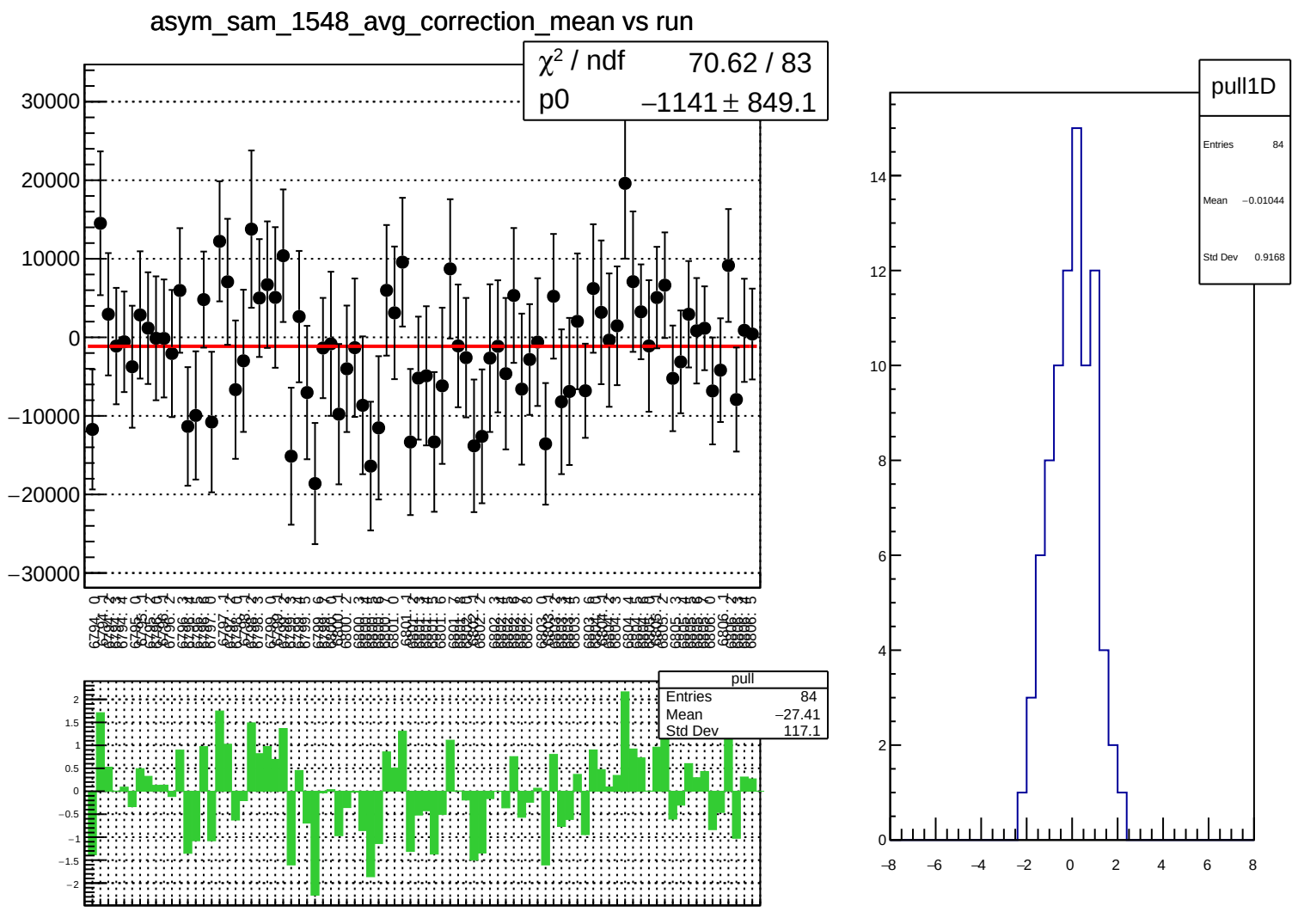

pull1D
Entries 84
Mean −0.001846
Std Dev 0.919
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

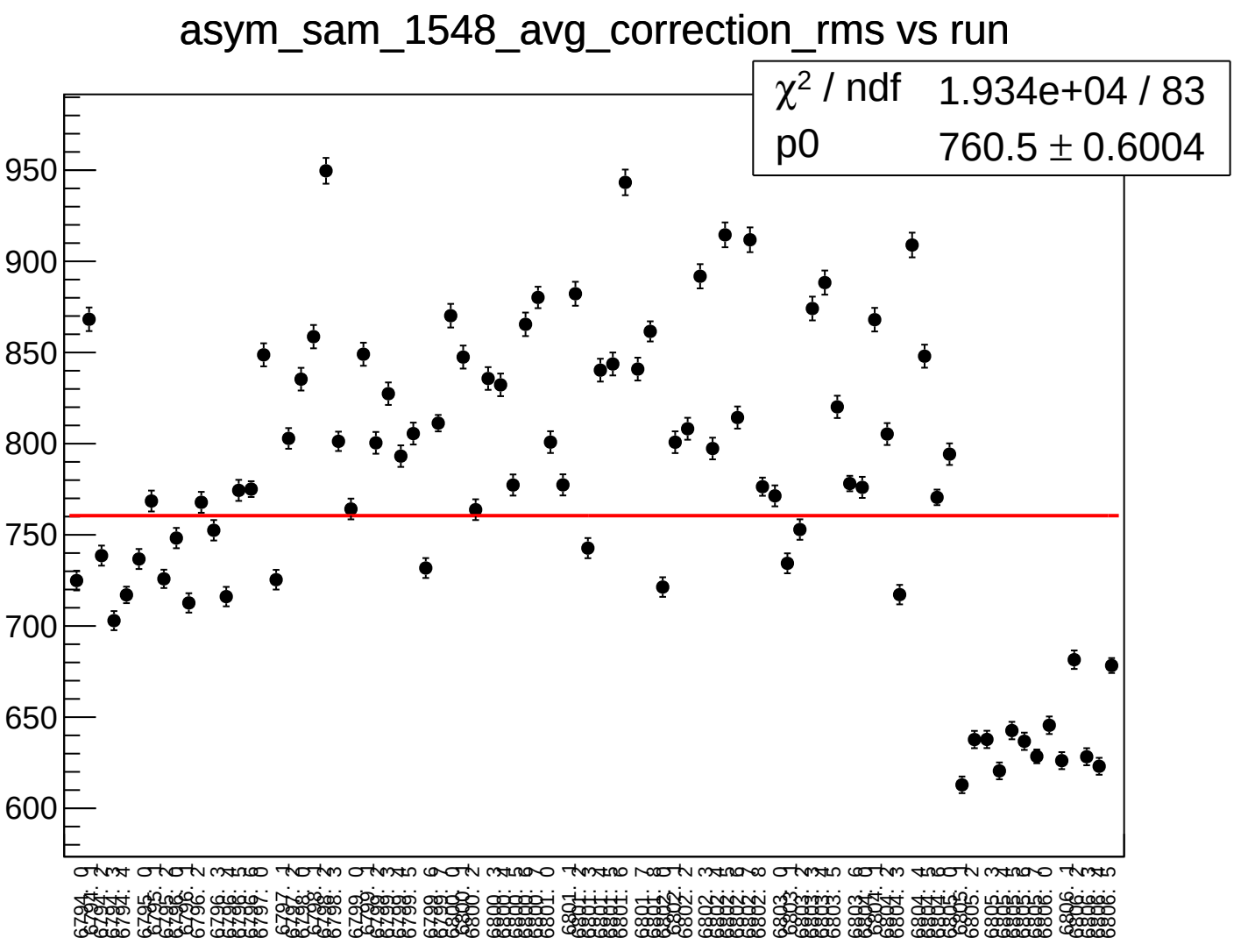

asym_sam_26_48_dd_rms vs run
χ² / ndf 3.282e+04 / 83
p0 567.1 ± 0.4496
750
700
650
600
550
500
450
400

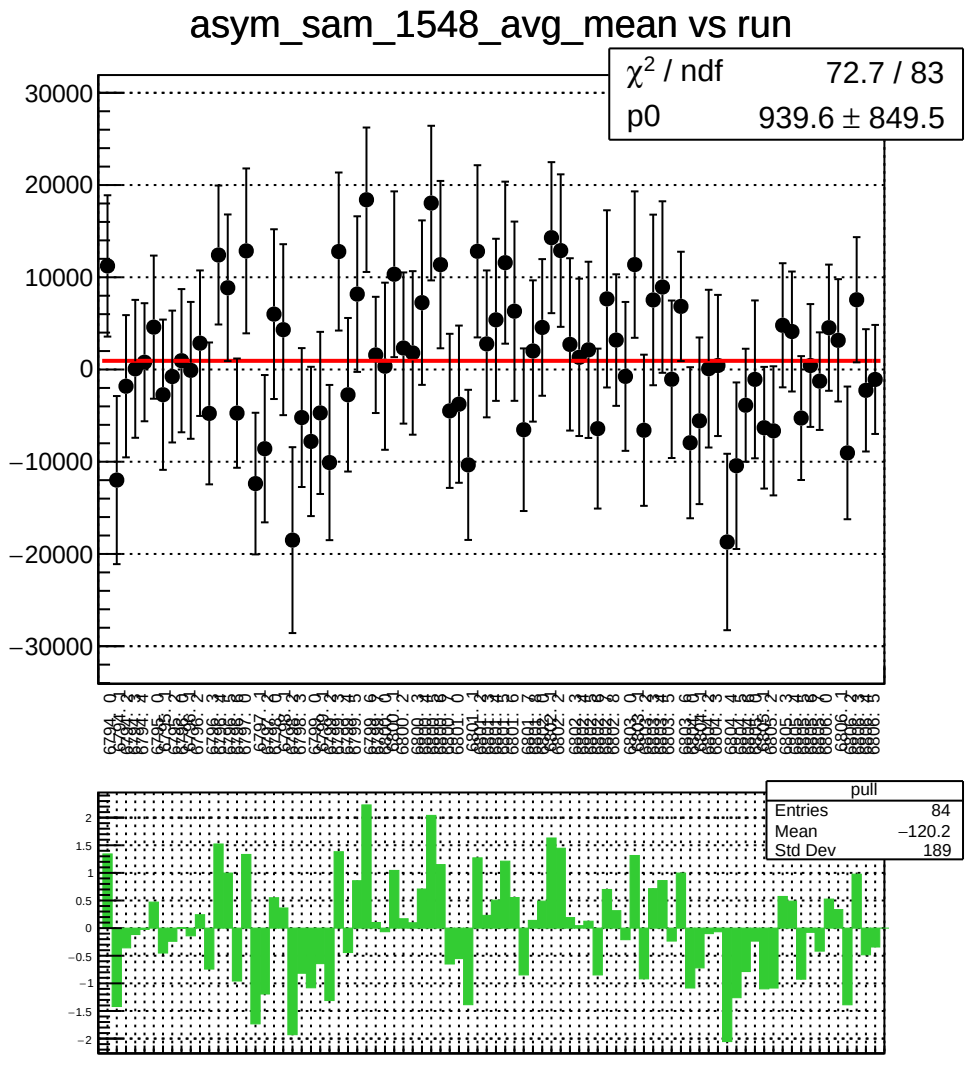

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 86.78 / 83
p0 −204.2 ± 137
4000
2000
0
−2000
−4000
−6000
pull
Entries 84
Mean 1961
Std Dev 1919
2
1
0
−1
−2
−3

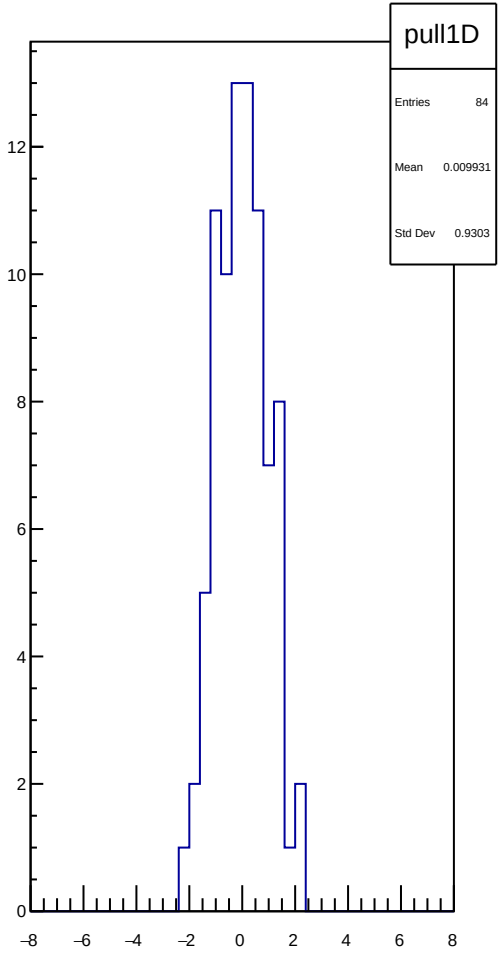

pull1D
Entries 84
Mean −0.002984
Std Dev 1.016
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

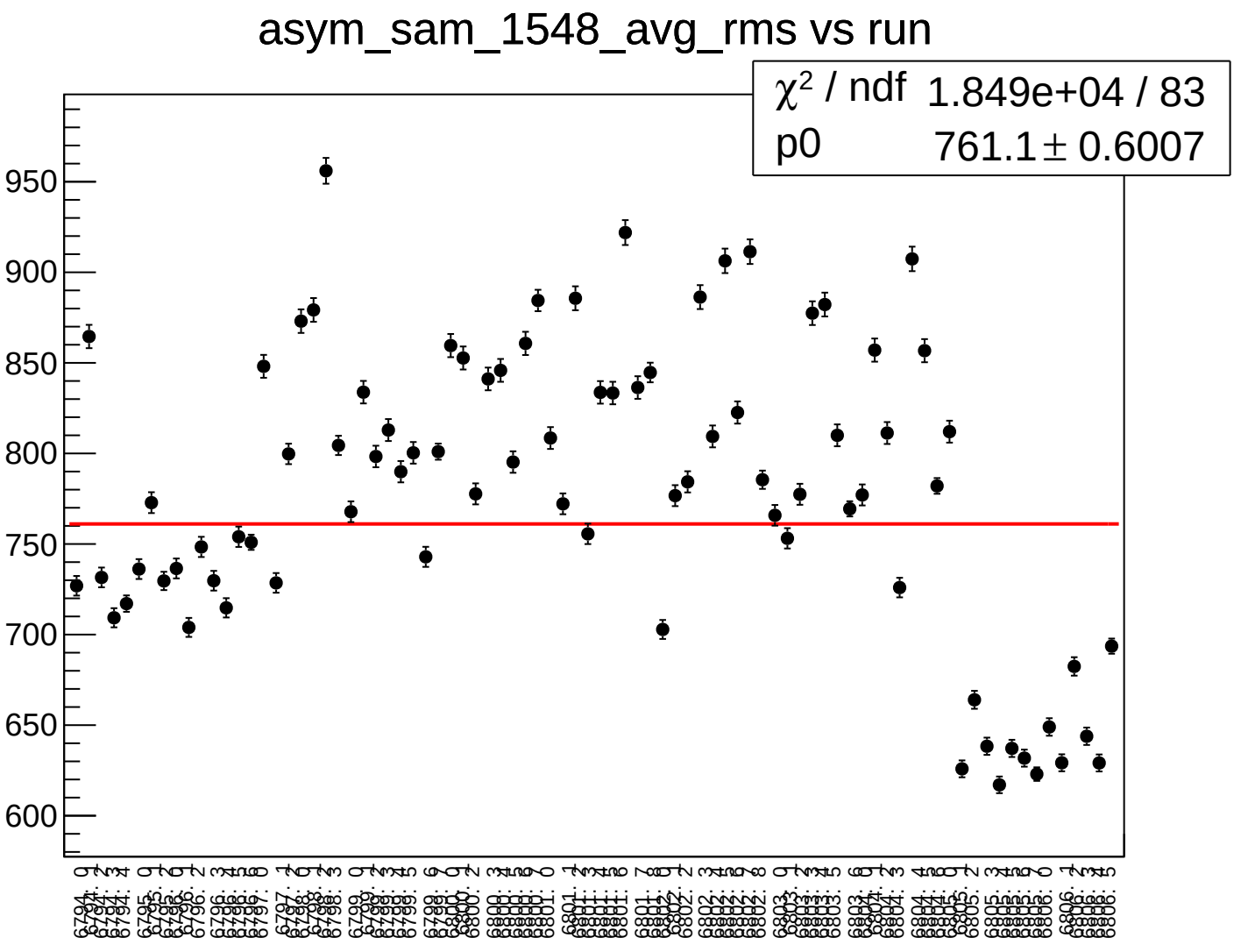

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 6809 / 83
p0 123.2 ± 0.09688
160
150
140
130
120
110
100

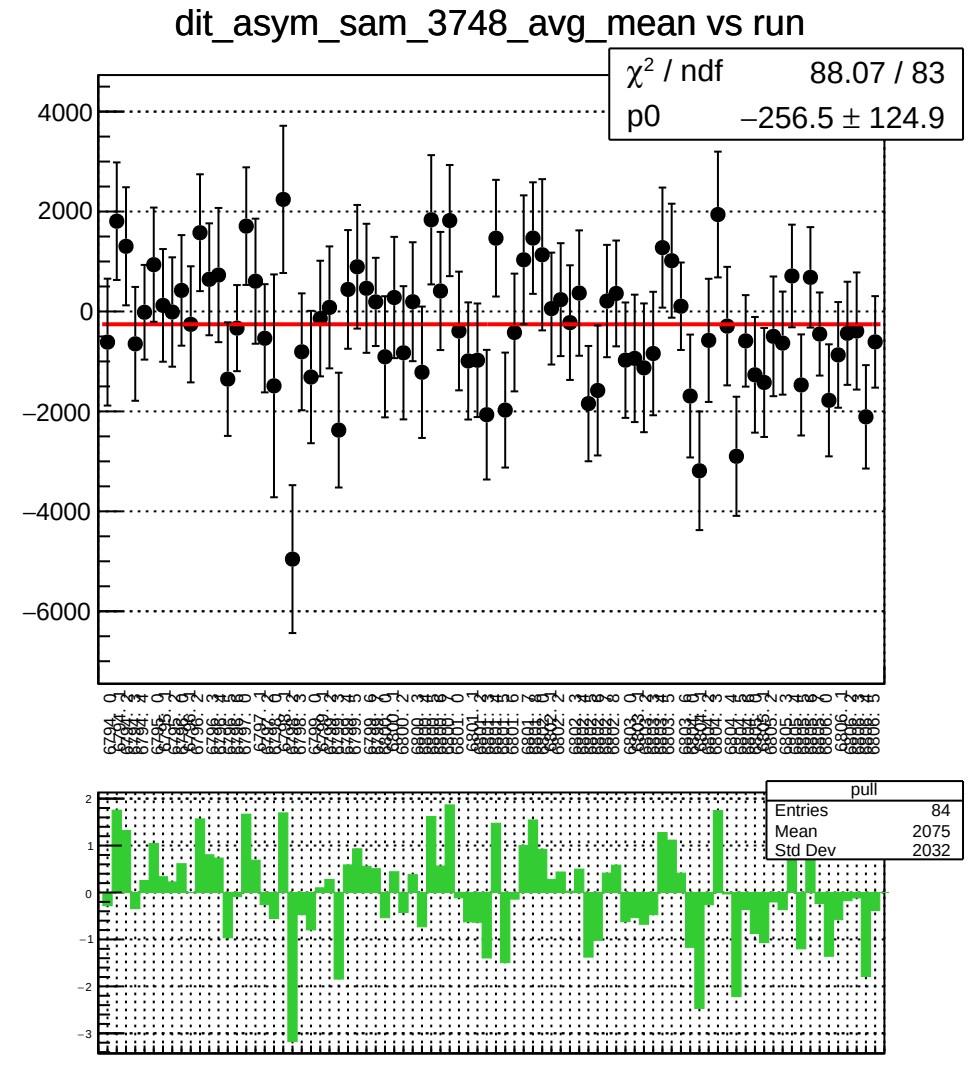

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 70.62 / 83
p0 −1141 ± 849.1
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 84
Mean −27.41
Std Dev 117.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 84
Mean −0.01044
Std Dev 0.9168
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

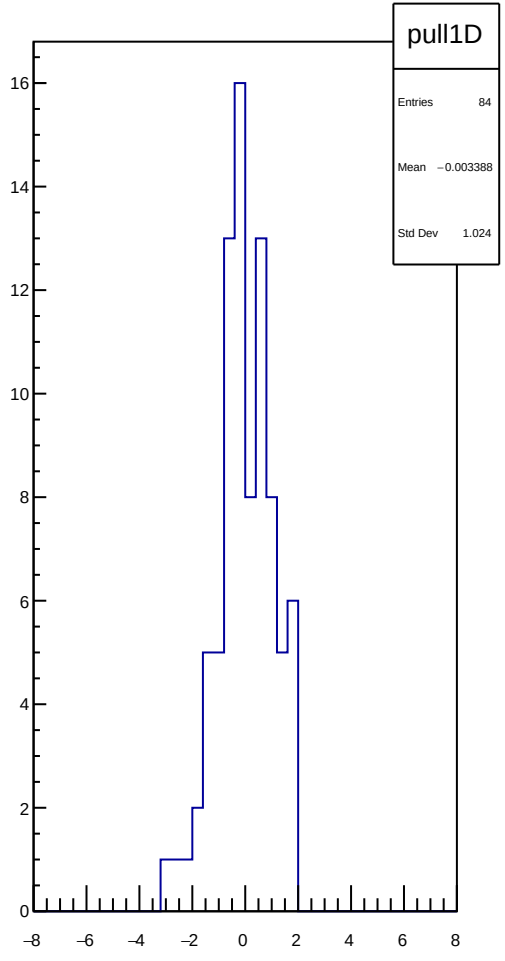

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 1.934e+04 / 83
p0 760.5 ± 0.6004
950
900
850
800
750
700
650
600

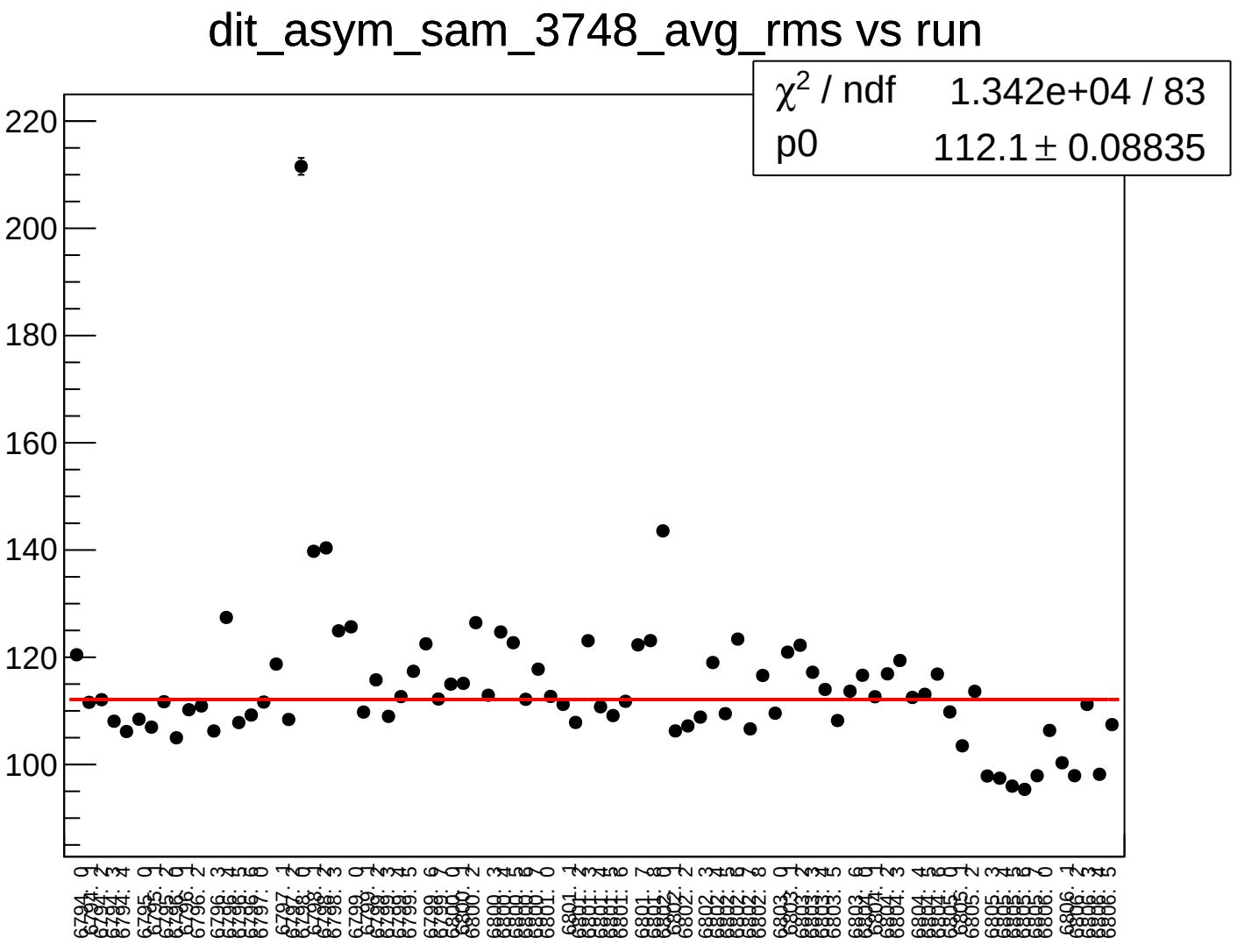

asym_sam_1548_avg_mean vs run
χ² / ndf 72.7 / 83
p0 939.6 ± 849.5
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 84
Mean −120.2
Std Dev 189
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

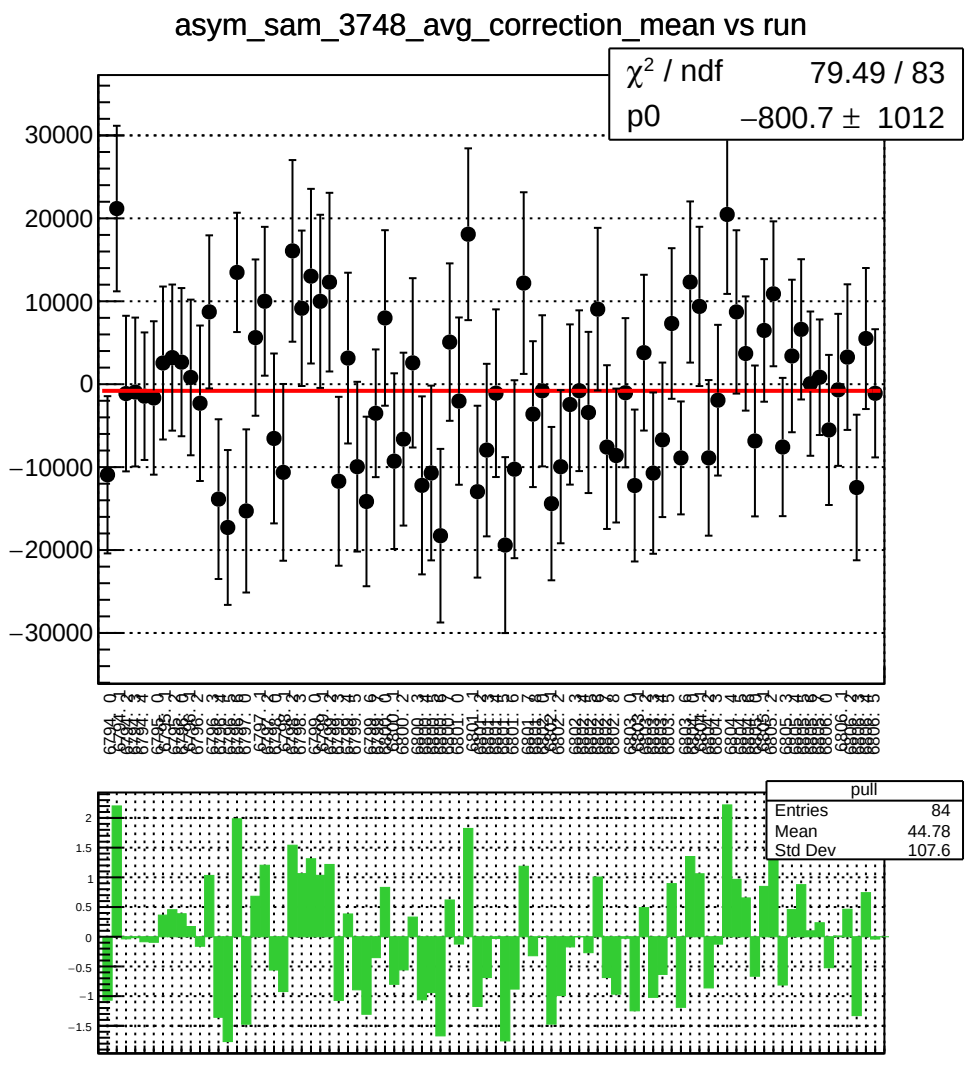

pull1D
Entries 84
Mean 0.009931
Std Dev 0.9303
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

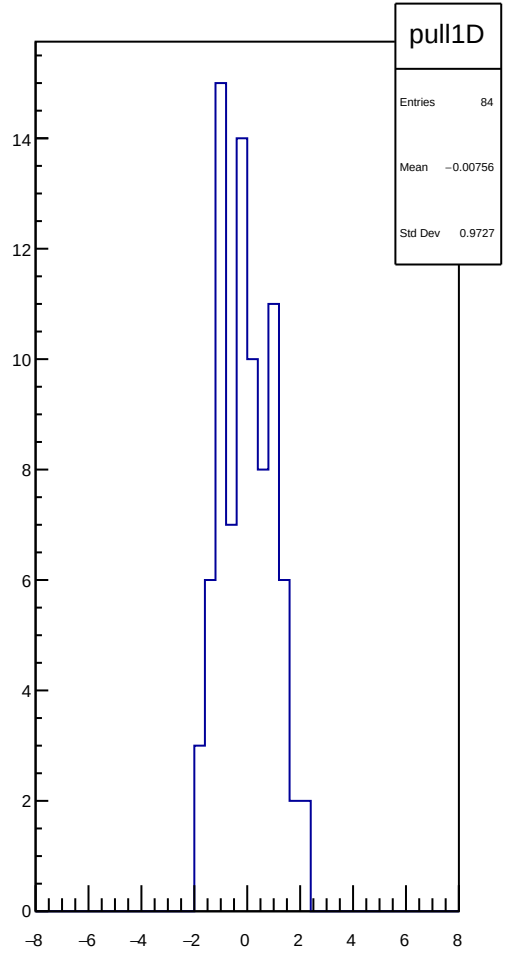

asym_sam_1548_avg_rms vs run
χ² / ndf 1.849e+04 / 83
p0 761.1 ± 0.6007
950
900
850
800
750
700
650
600

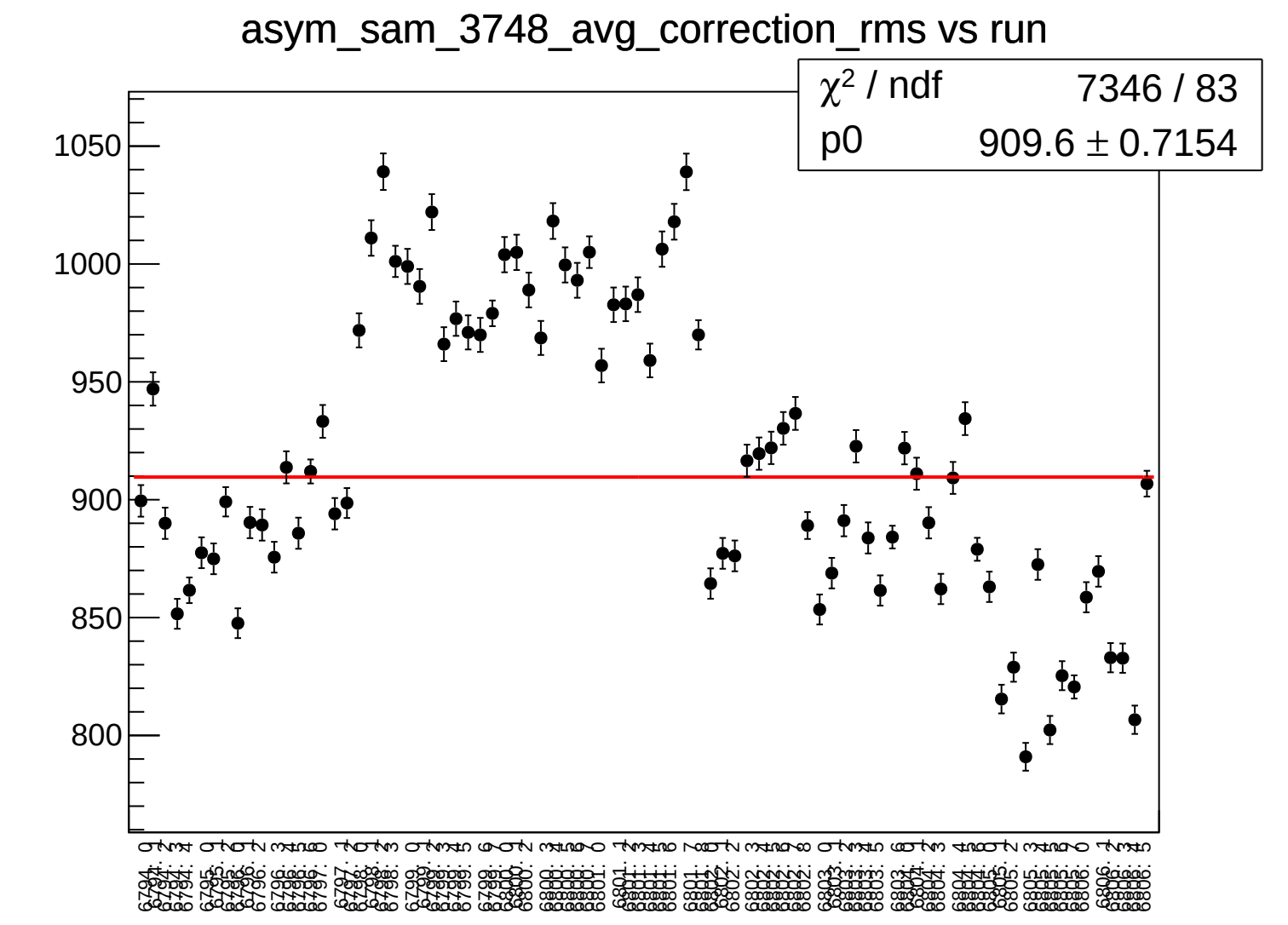

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 88.07 / 83
p0 −256.5 ± 124.9
4000
2000
0
−2000
−4000
−6000
pull
Entries 84
Mean 2075
Std Dev 2032
2
1
0
−1
−2
−3

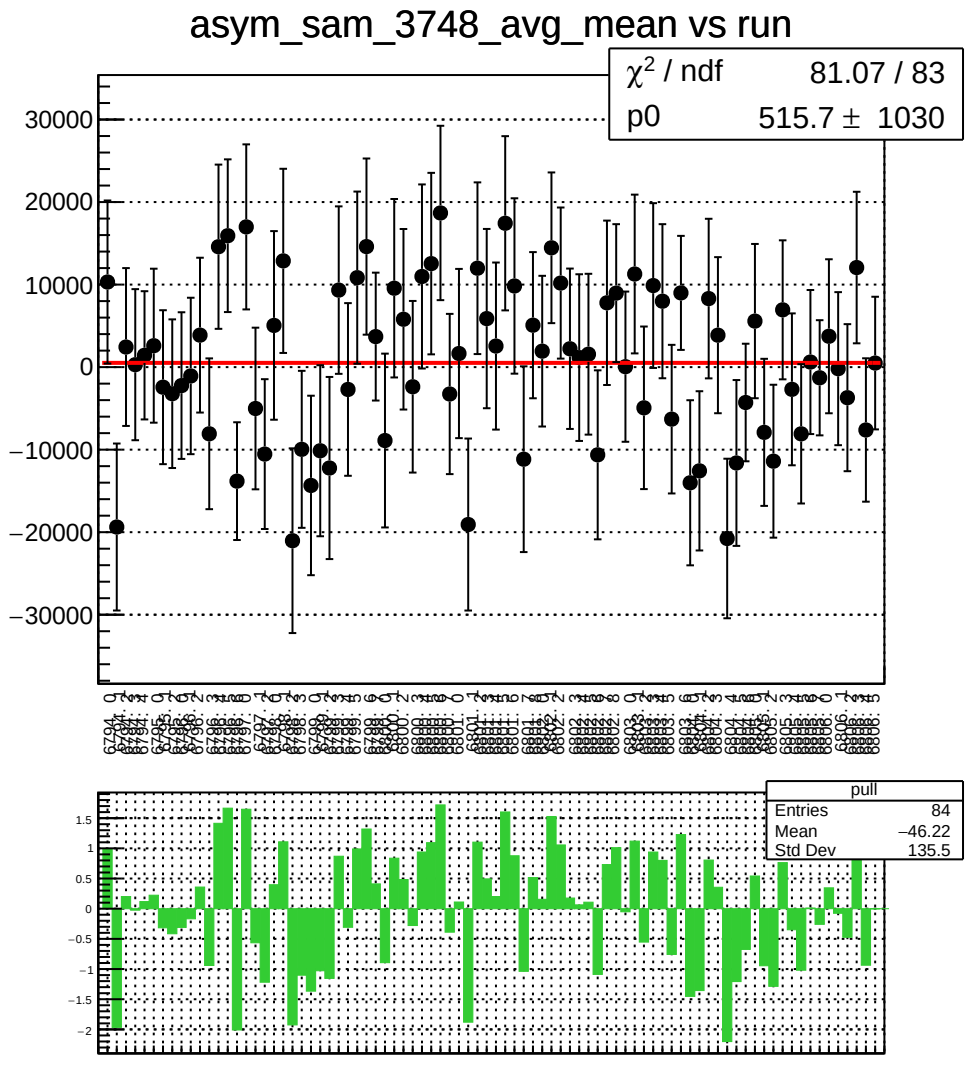

pull1D
Entries 84
Mean −0.003388
Std Dev 1.024
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

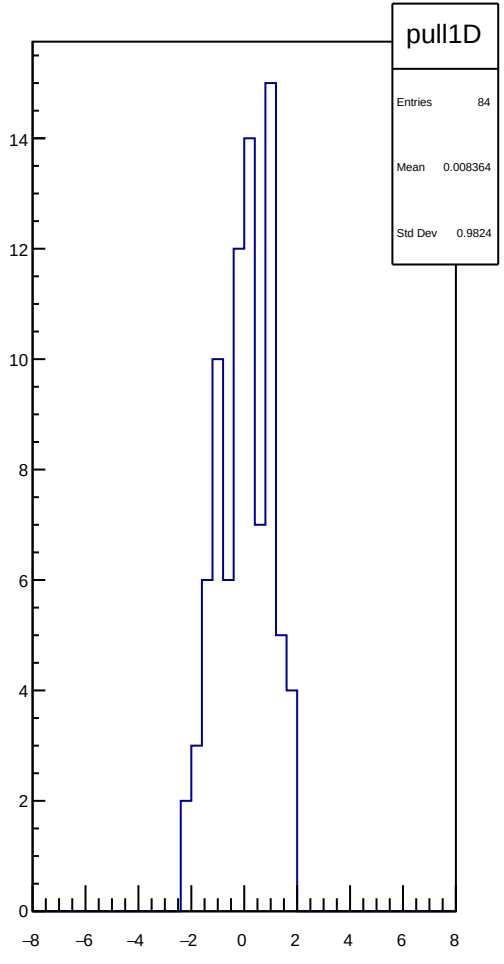

dit_asym_sam_3748_avg_rms vs run
χ^2 / ndf 1.342e+04 / 83
p0 112.1 ± 0.08835
220
200
180
160
140
120
100

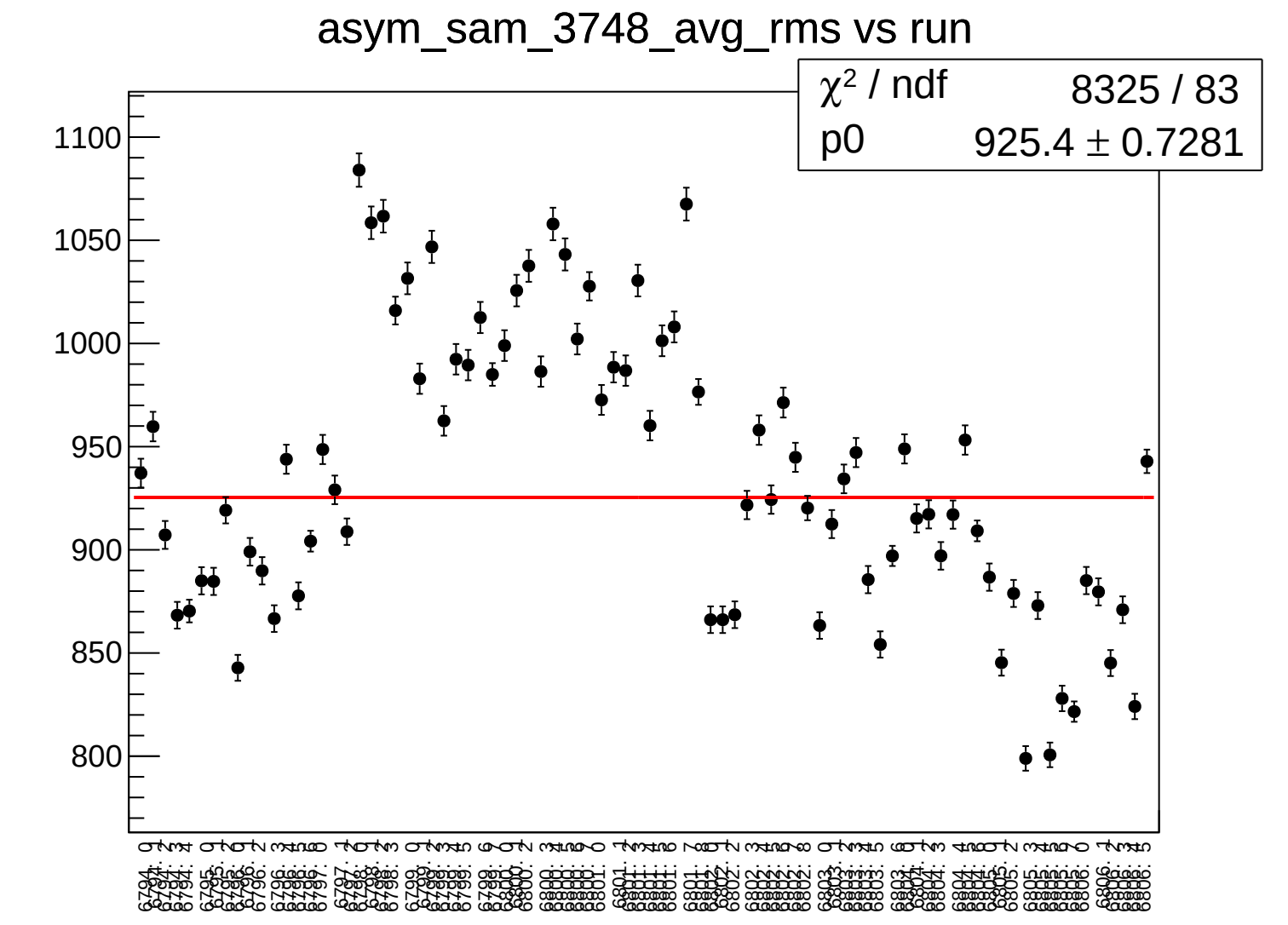

asym_sam_3748_avg_correction_mean vs run
χ² / ndf 79.49 / 83
p0 −800.7 ± 1012
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 84
Mean 44.78
Std Dev 107.6
2
1.5
1
0.5
0
−0.5
−1
−1.5

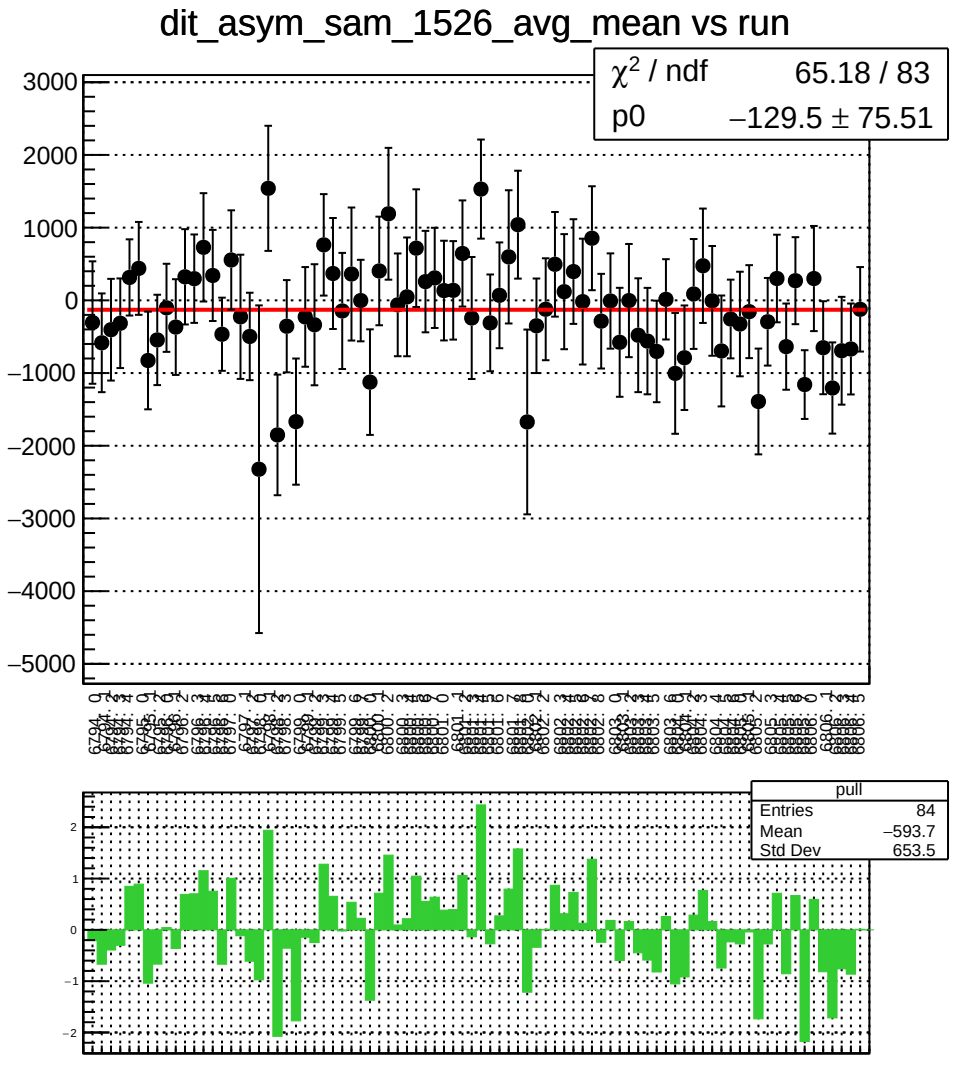

pull1D
Entries 84
Mean −0.00756
Std Dev 0.9727
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

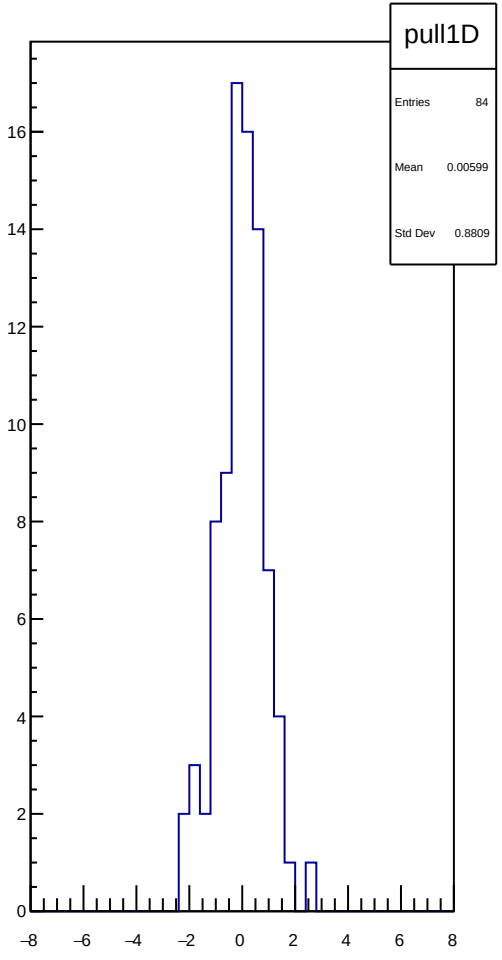

asym_sam_3748_avg_correction_rms vs run
χ² / ndf 7346 / 83
p0 909.6 ± 0.7154
1050
1000
950
900
850
800

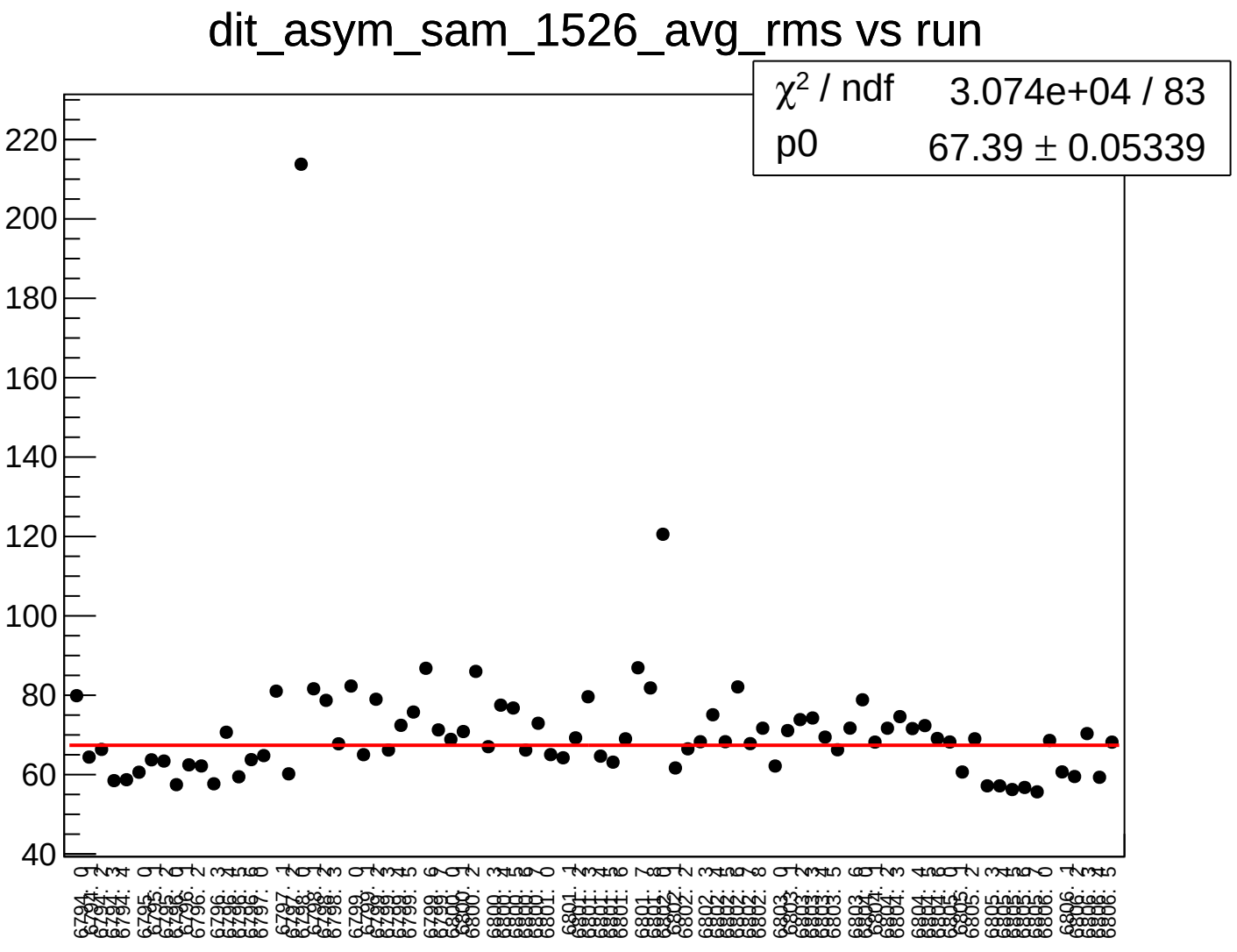

asym_sam_3748_avg_mean vs run
χ² / ndf 81.07 / 83
p0 515.7 ± 1030
pull
Entries 84
Mean −46.22
Std Dev 135.5

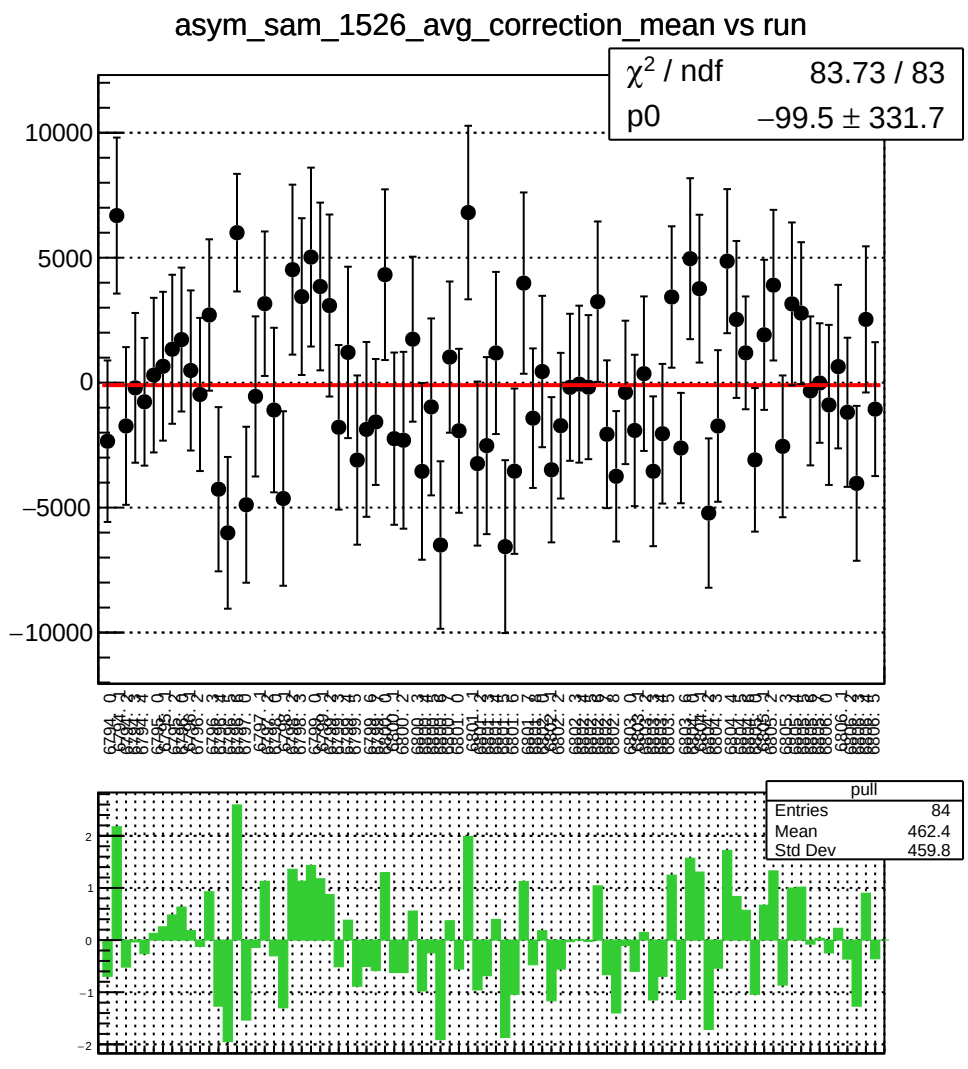

pull1D
Entries 84
Mean 0.008364
Std Dev 0.9824

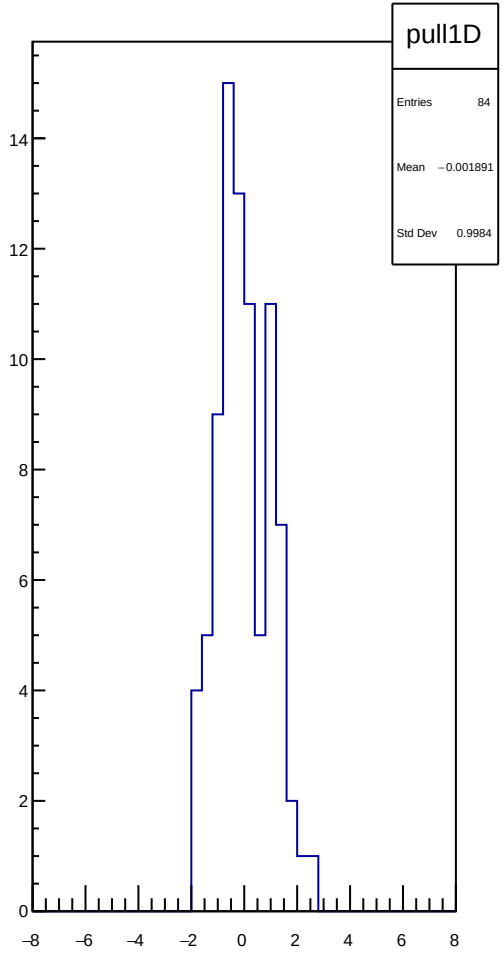

asym_sam_3748_avg_rms vs run
χ² / ndf 8325 / 83
p0 925.4 ± 0.7281
1100
1050
1000
950
900
850
800

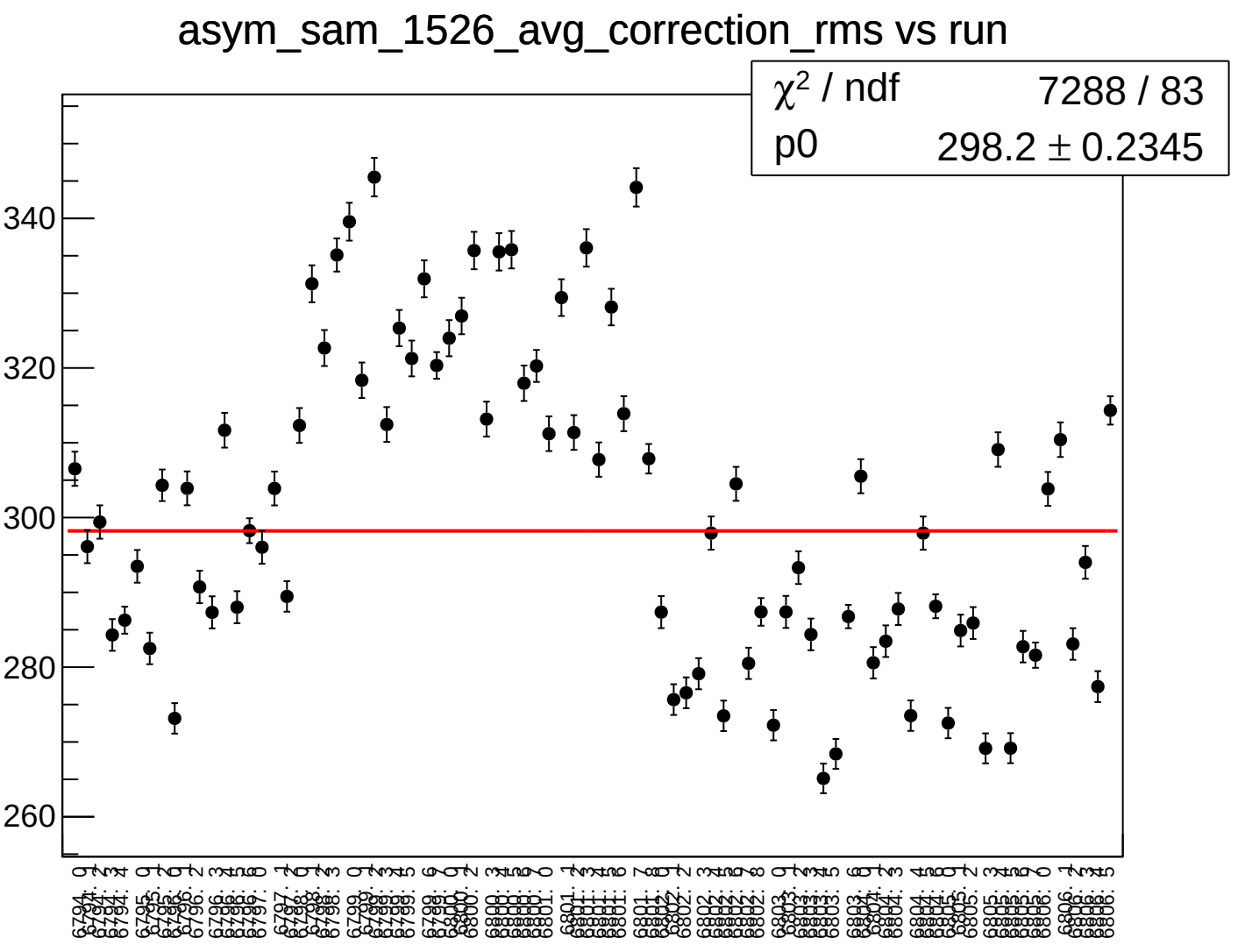

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 65.18 / 83
p0 −129.5 ± 75.51
pull
Entries 84
Mean −593.7
Std Dev 653.5

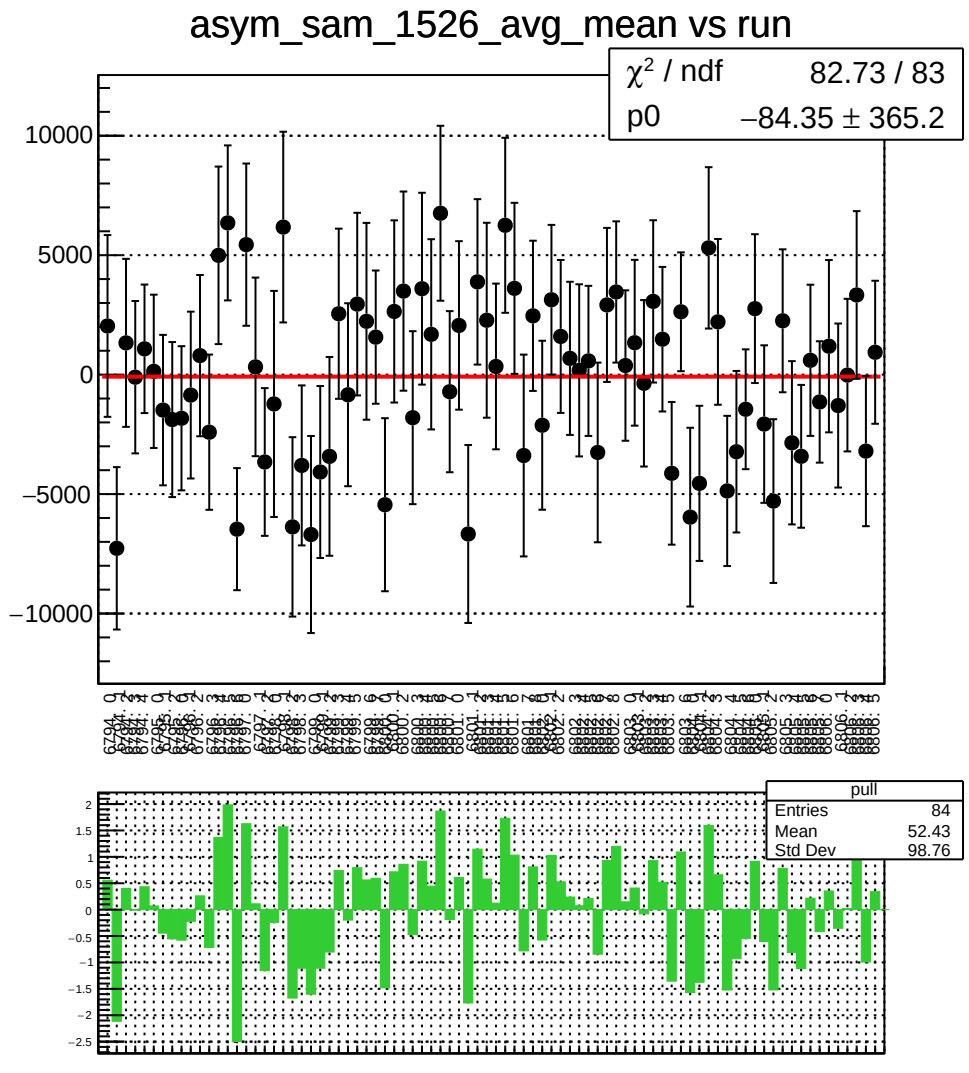

pull1D
Entries 84
Mean 0.00599
Std Dev 0.8809

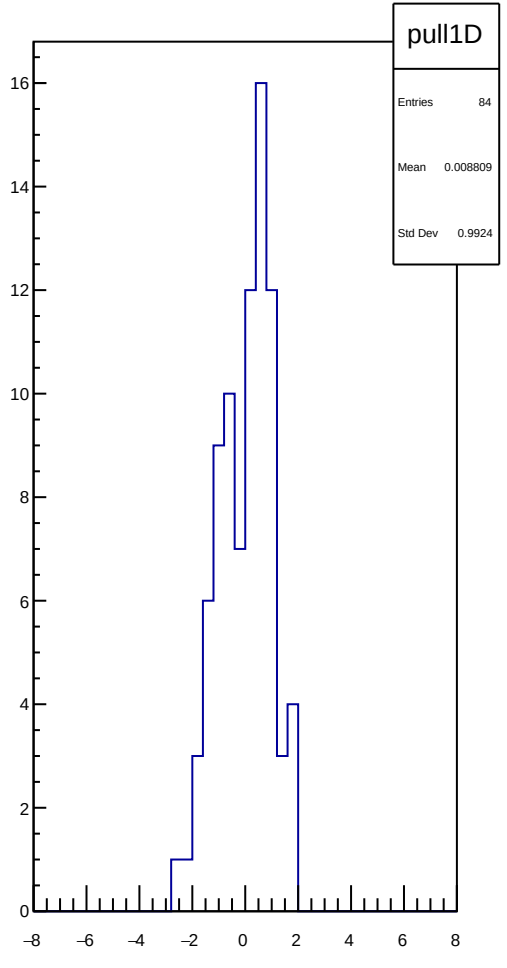

dit_asym_sam_1526_avg_rms vs run
χ^2 / ndf 3.074e+04 / 83
p0 67.39 ± 0.05339
220
200
180
160
140
120
100
80
60
40

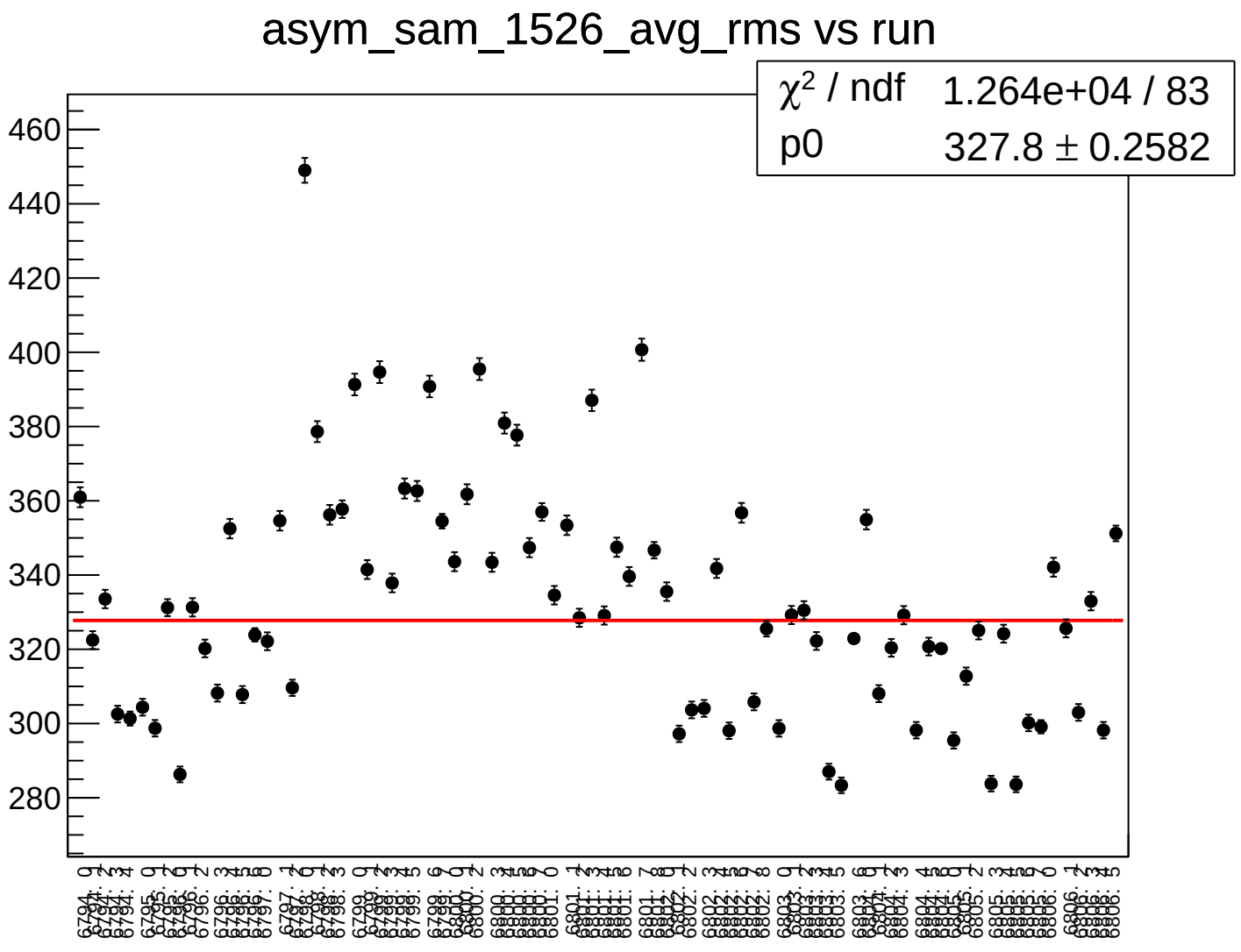

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 83.73 / 83
p0 −99.5 ± 331.7
10000
5000
0
−5000
−10000
pull
Entries 84
Mean 462.4
Std Dev 459.8
2
1
0
−1
−2

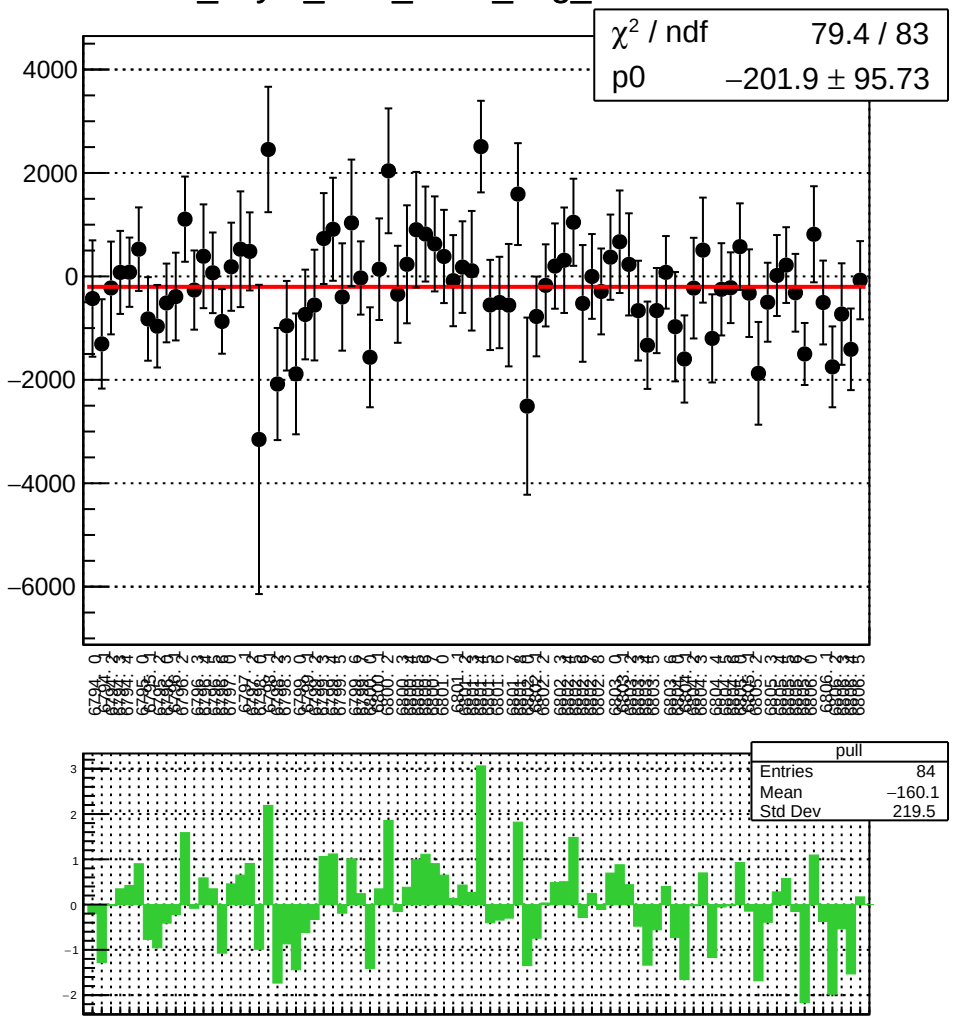

pull1D
Entries 84
Mean −0.001891
Std Dev 0.9984
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

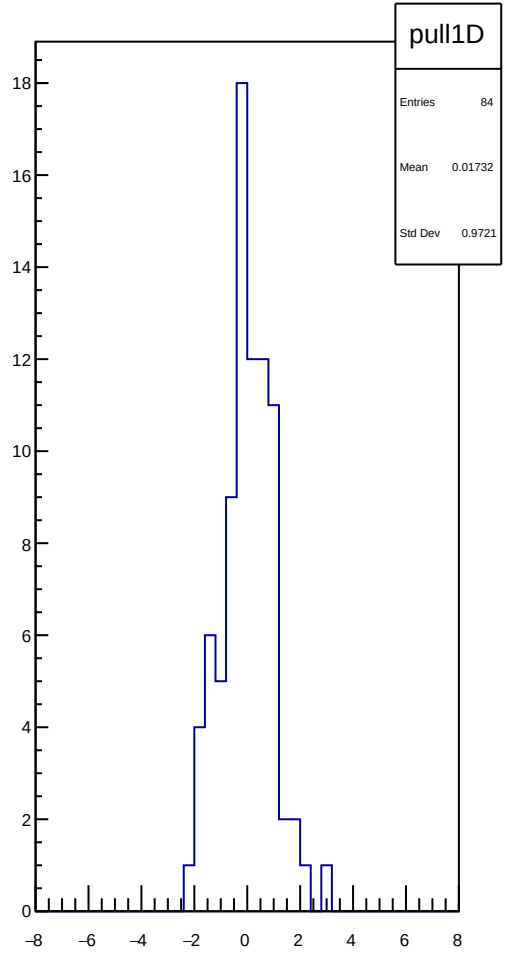

asym_sam_1526_avg_correction_rms vs run
χ² / ndf 7288 / 83
p0 298.2 ± 0.2345
340
320
300
280
260

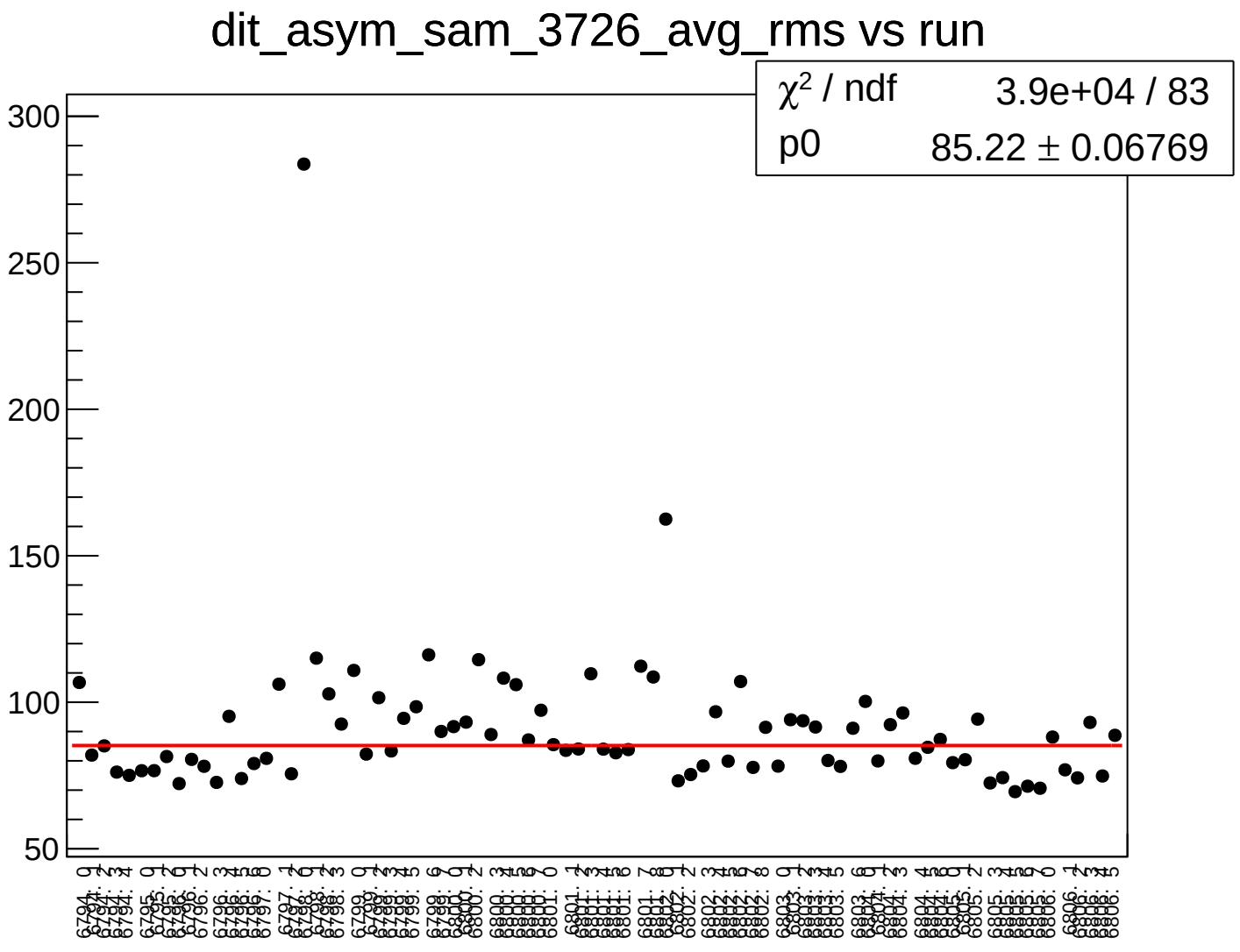

asym_sam_1526_avg_mean vs run
χ² / ndf 82.73 / 83
p0 −84.35 ± 365.2
10000
5000
0
−5000
−10000
pull
Entries 84
Mean 52.43
Std Dev 98.76
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

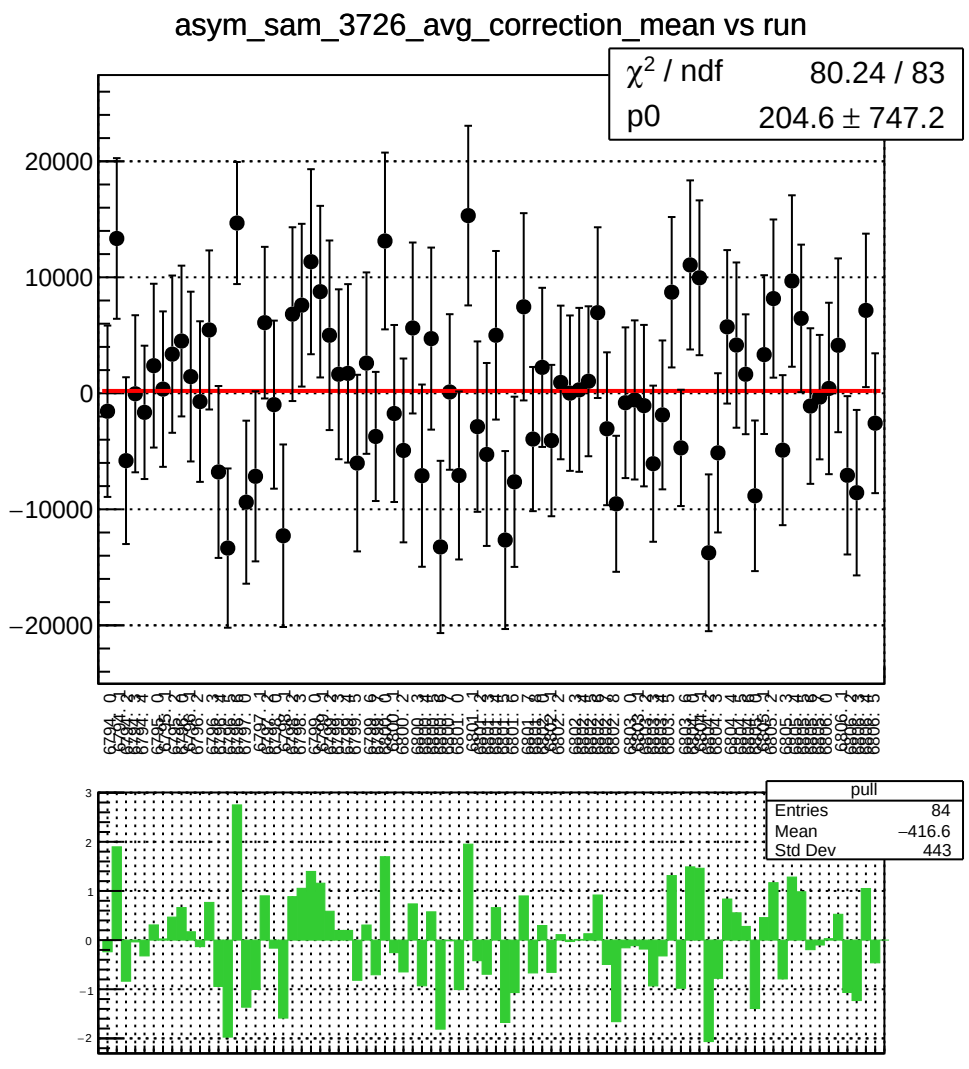

pull1D
Entries 84
Mean 0.008809
Std Dev 0.9924
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

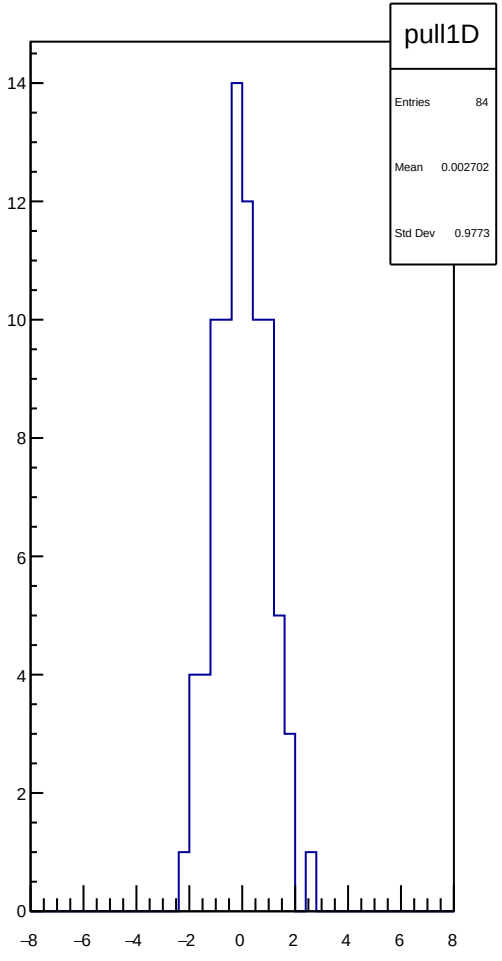

asym_sam_1526_avg_rms vs run
χ^2 / ndf 1.264e+04 / 83
p0 327.8 ± 0.2582
460
440
420
400
380
360
340
320
300
280

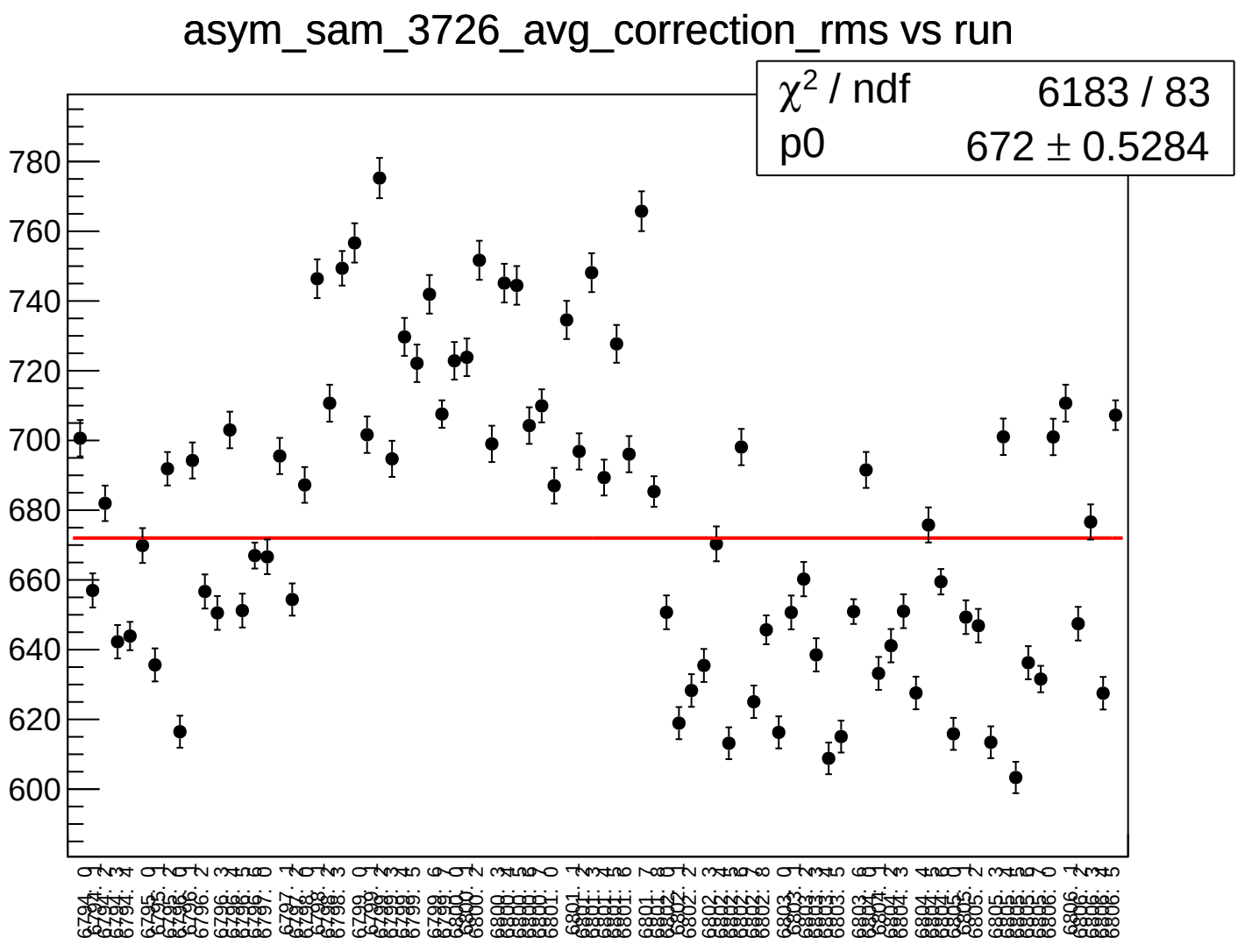

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 79.4 / 83
p0 −201.9 ± 95.73
4000
2000
0
−2000
−4000
−6000
pull
Entries 84
Mean −160.1
Std Dev 219.5
3
2
1
0
−1
−2

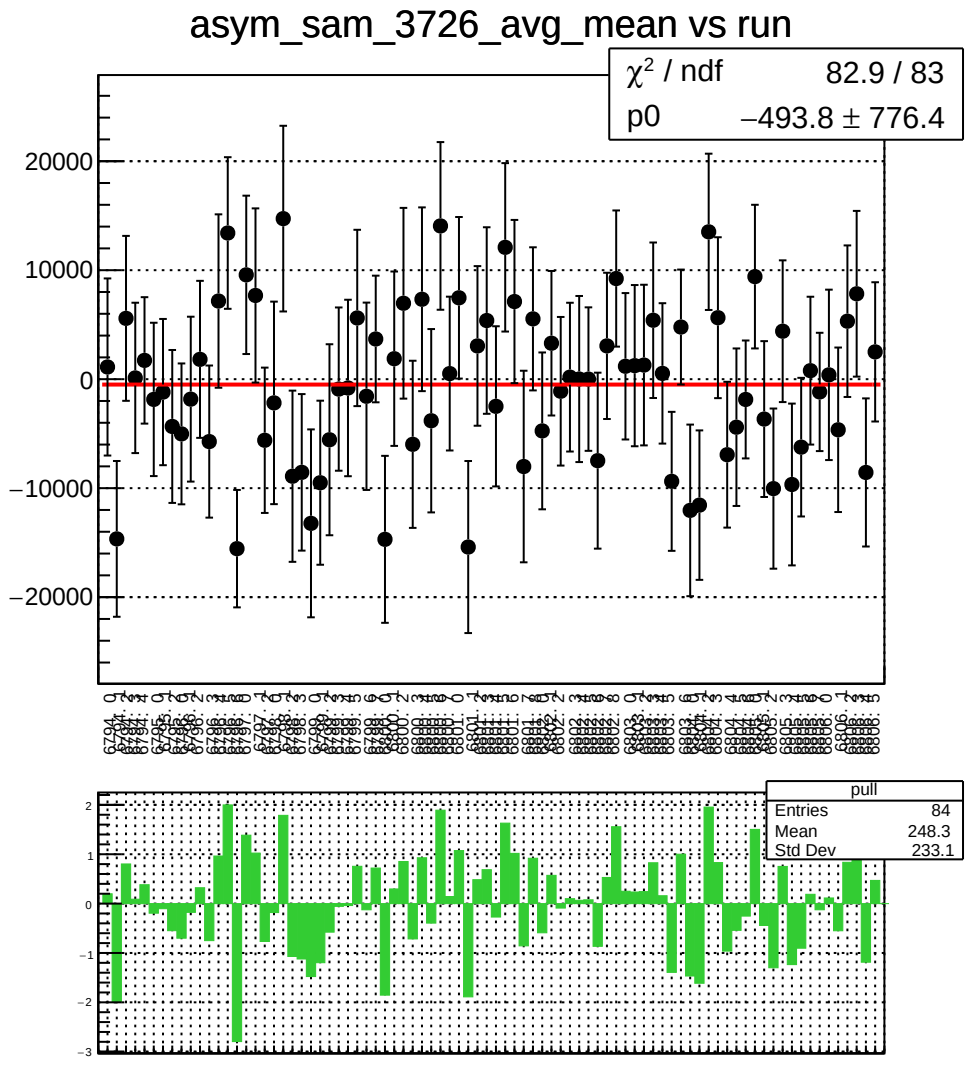

pull1D
Entries 84
Mean 0.01732
Std Dev 0.9721
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

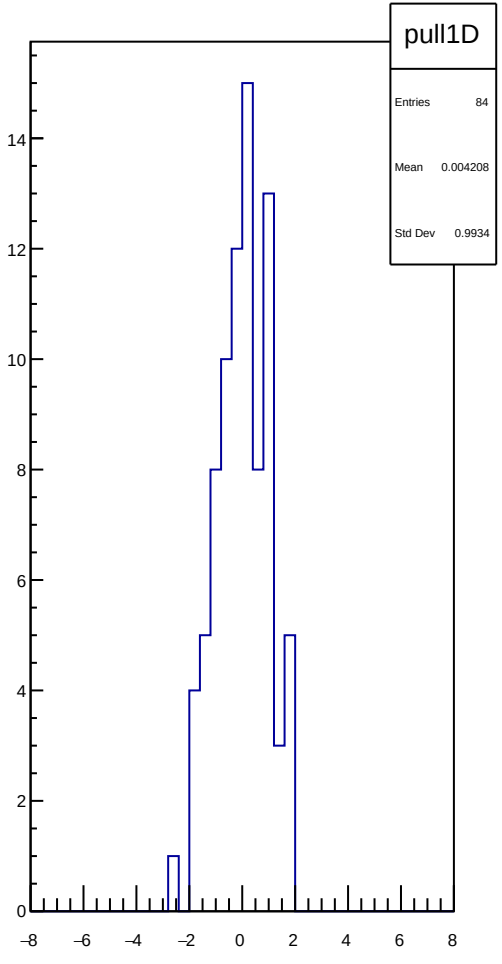

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 3.9e+04 / 83
p0 85.22 ± 0.06769
300
250
200
150
100
50

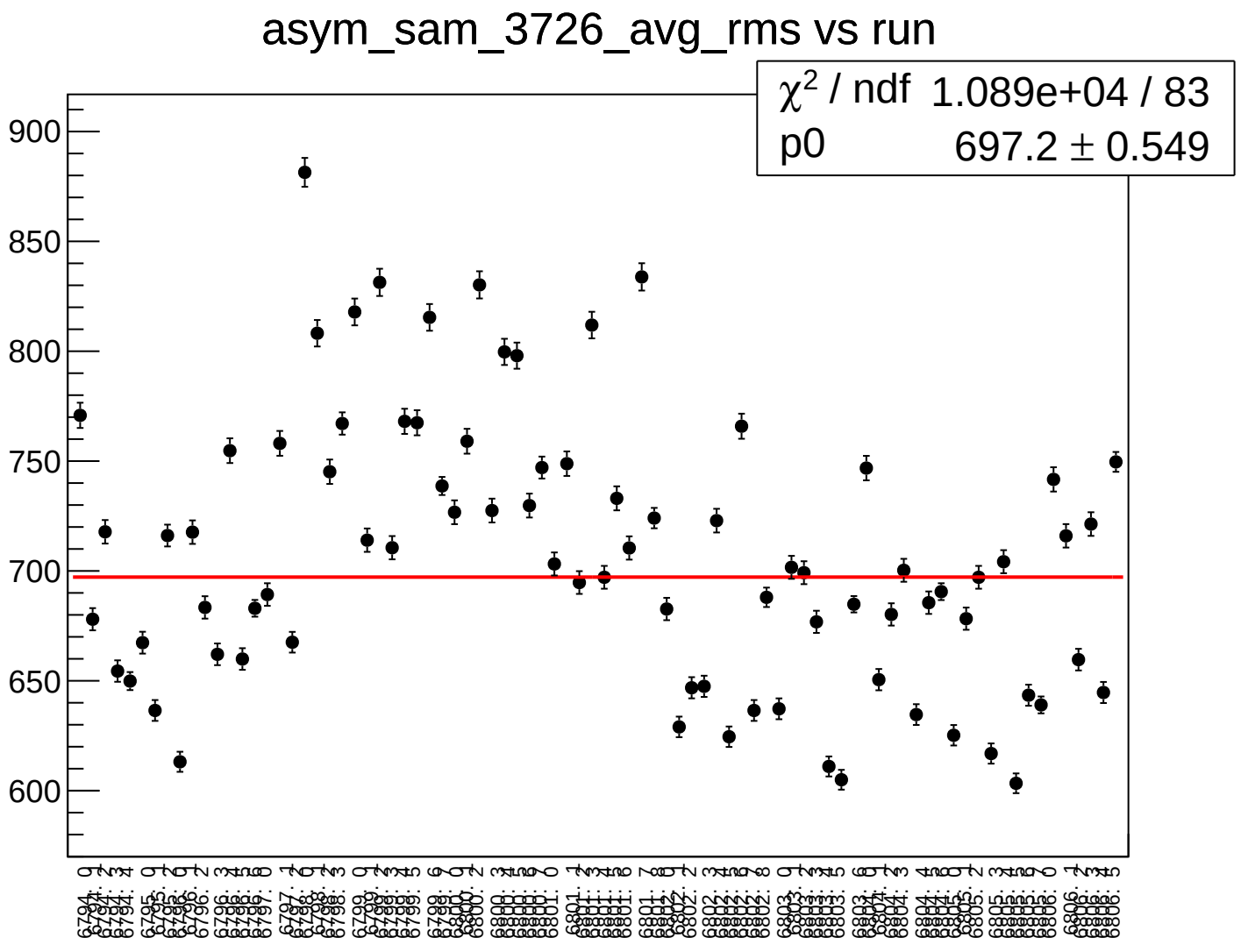

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 80.24 / 83
p0 204.6 ± 747.2
20000
10000
0
−10000
−20000
pull
Entries 84
Mean −416.6
Std Dev 443
3
2
1
0
−1
−2

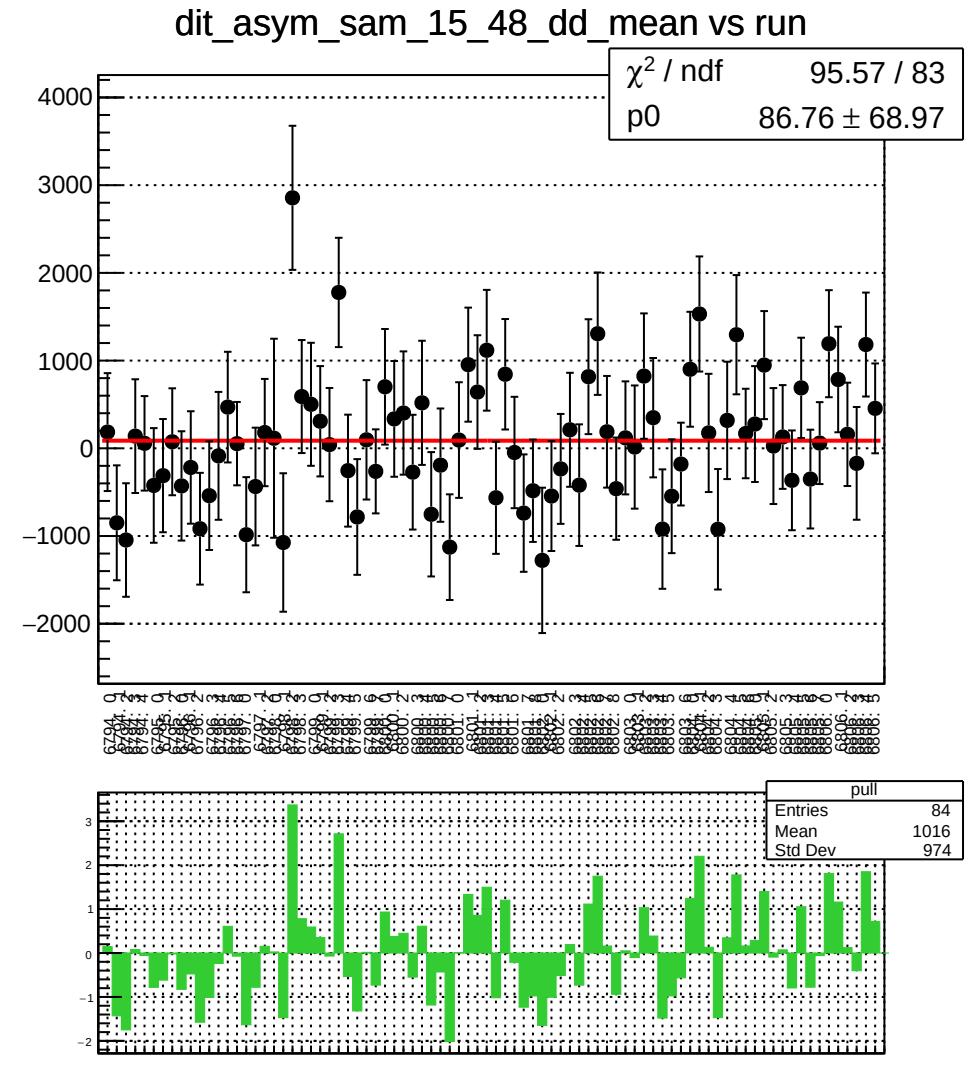

pull1D
Entries 84
Mean 0.002702
Std Dev 0.9773
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

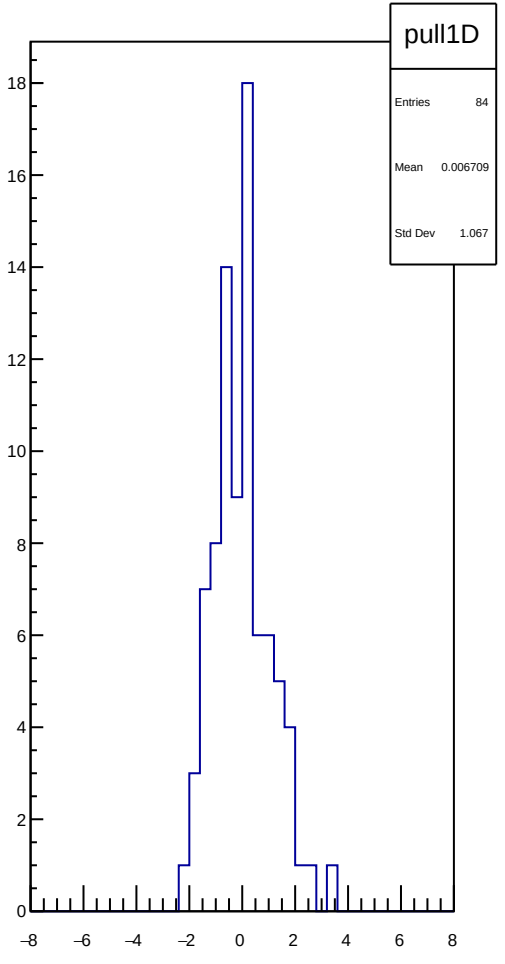

asym_sam_3726_avg_correction_rms vs run
χ^2 / ndf 6183 / 83
p0 672 ± 0.5284
780
760
740
720
700
680
660
640
620
600

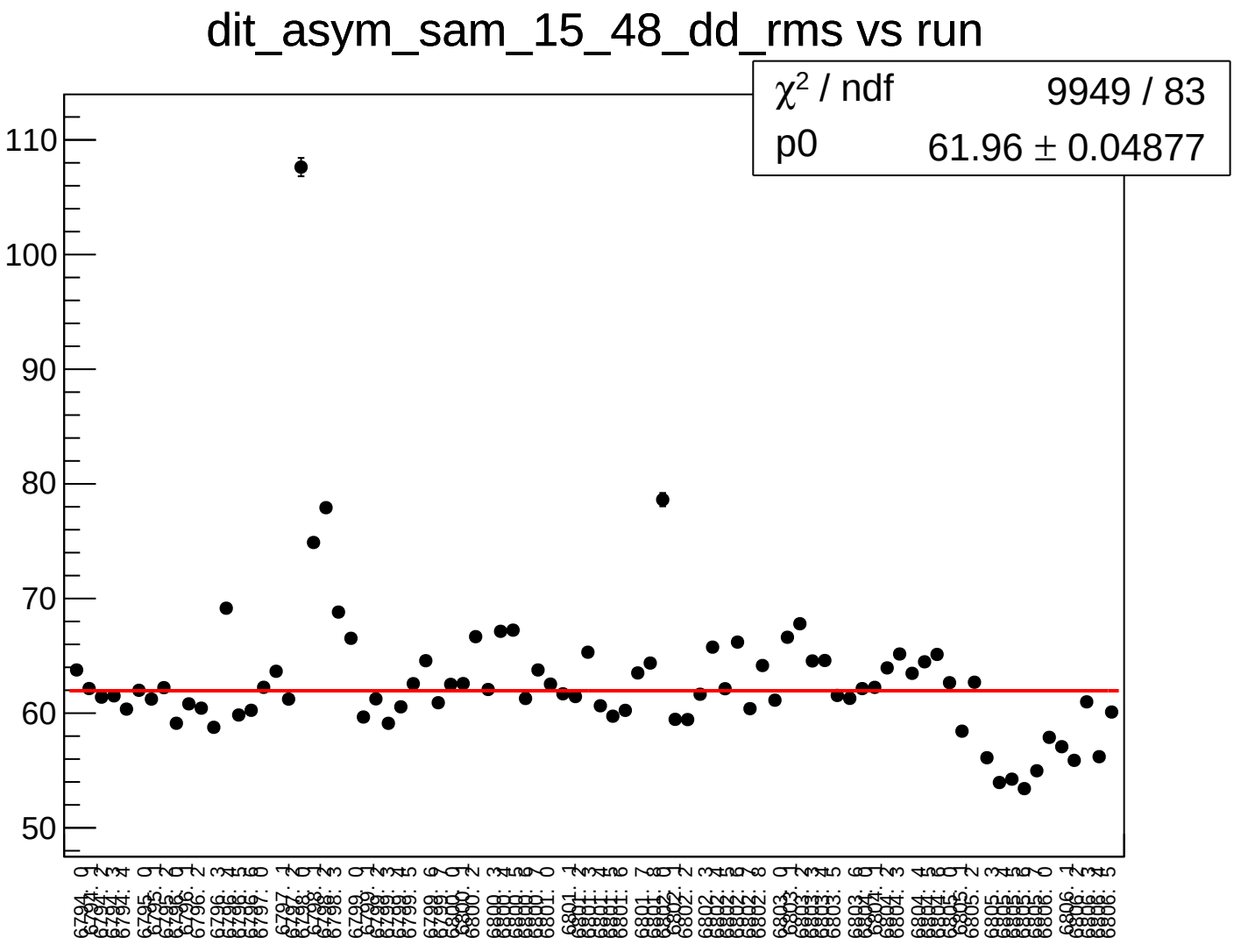

asym_sam_3726_avg_mean vs run
χ² / ndf 82.9 / 83
p0 −493.8 ± 776.4
20000
10000
0
−10000
−20000
pull
Entries 84
Mean 248.3
Std Dev 233.1
2
1
0
−1
−2
−3

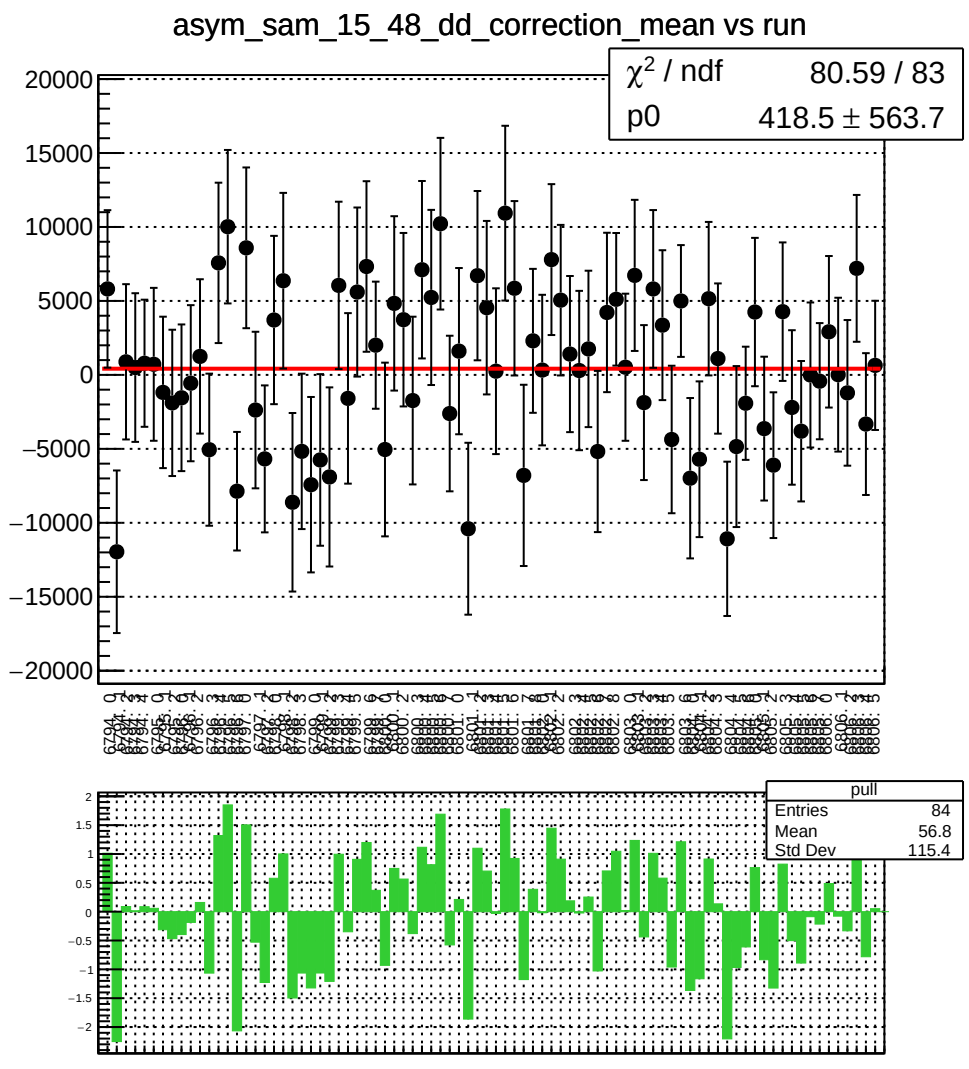

pull1D
Entries 84
Mean 0.004208
Std Dev 0.9934
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

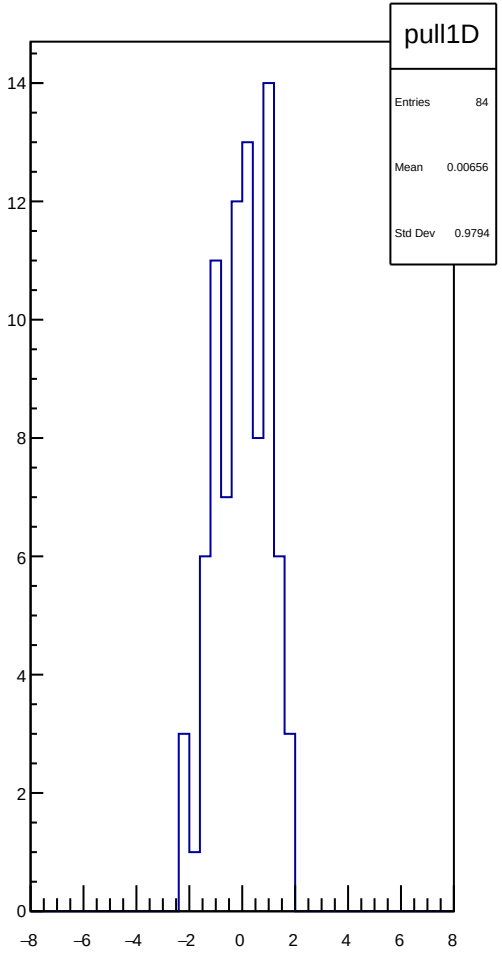

asym_sam_3726_avg_rms vs run
χ^2 / ndf 1.089e+04 / 83
p0 697.2 ± 0.549
900
850
800
750
700
650
600

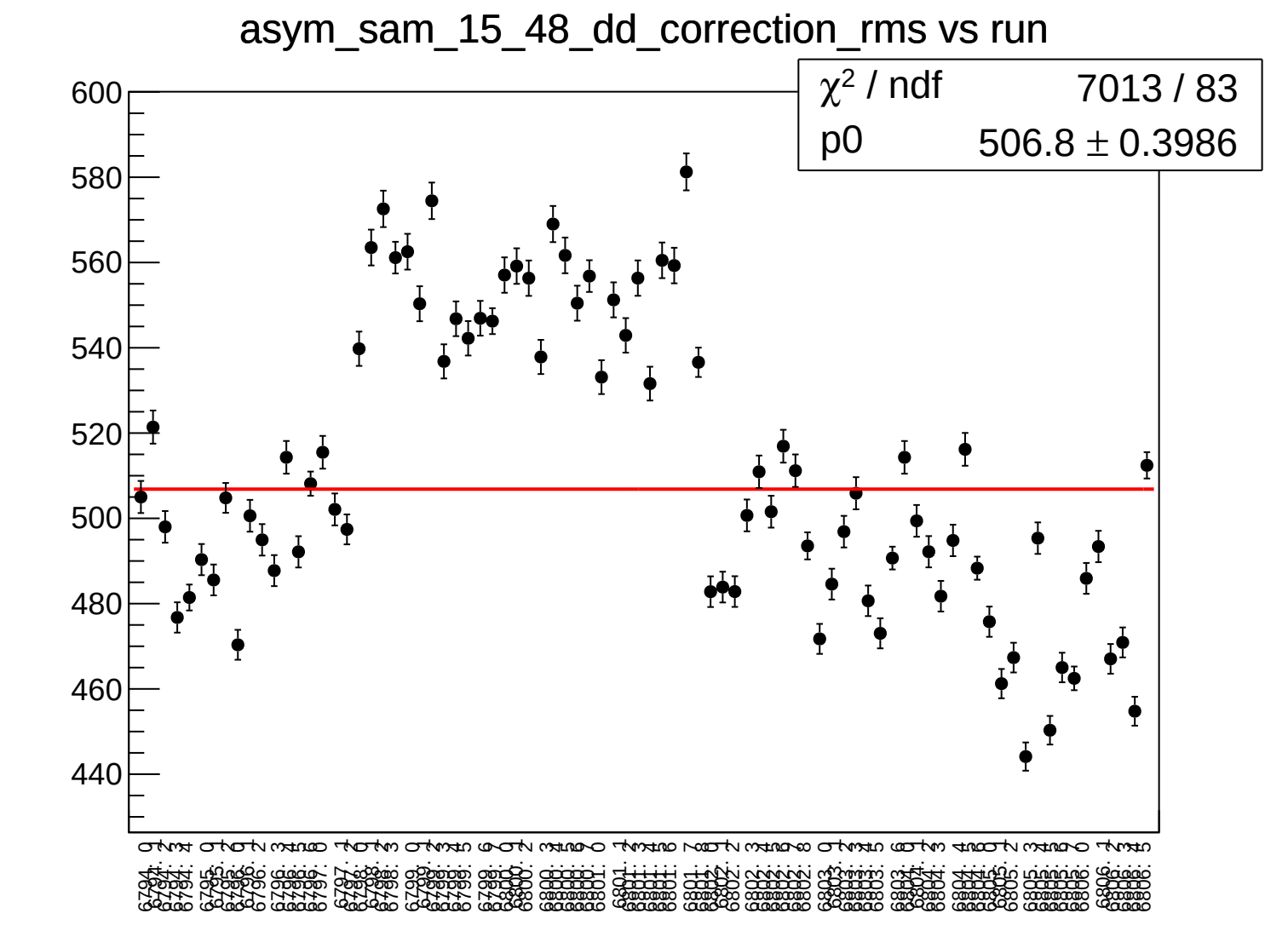

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 95.57 / 83
p0 86.76 ± 68.97
4000
3000
2000
1000
0
−1000
−2000
pull
Entries 84
Mean 1016
Std Dev 974
3
2
1
0
−1
−2

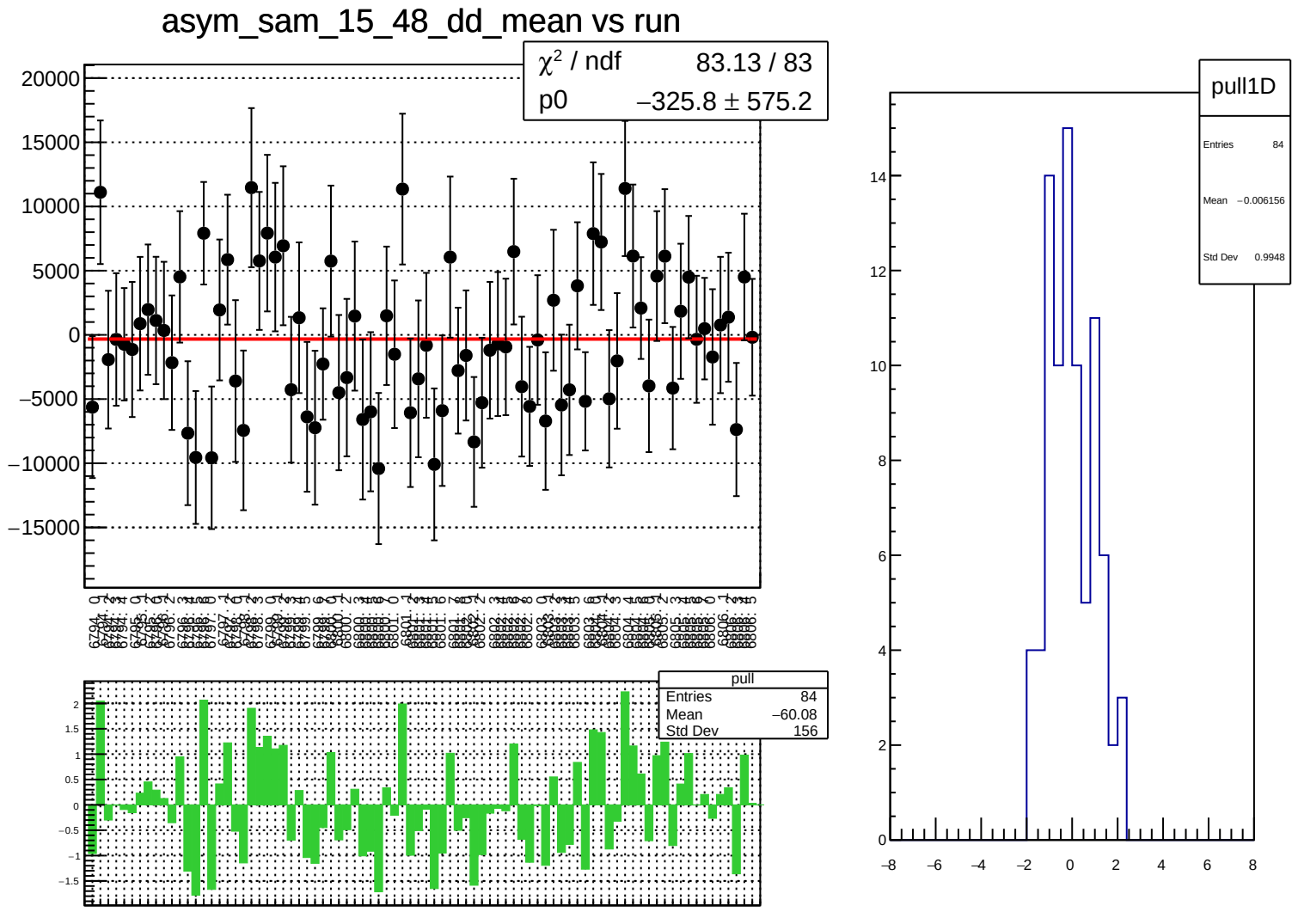

pull1D
Entries 84
Mean 0.006709
Std Dev 1.067
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

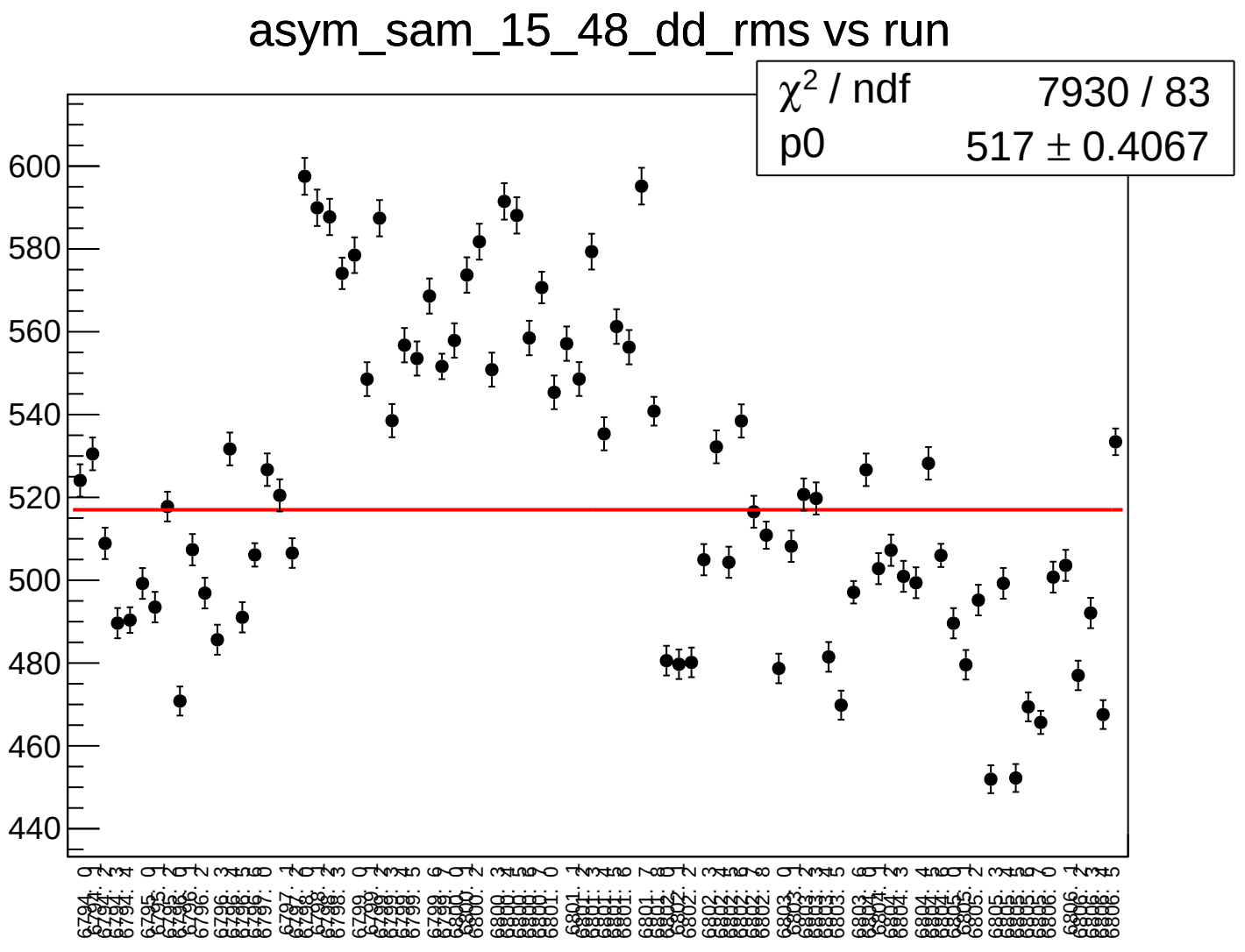

dit_asym_sam_15_48_dd_rms vs run
χ^2 / ndf 9949 / 83
p0 61.96 ± 0.04877
110
100
90
80
70
60
50

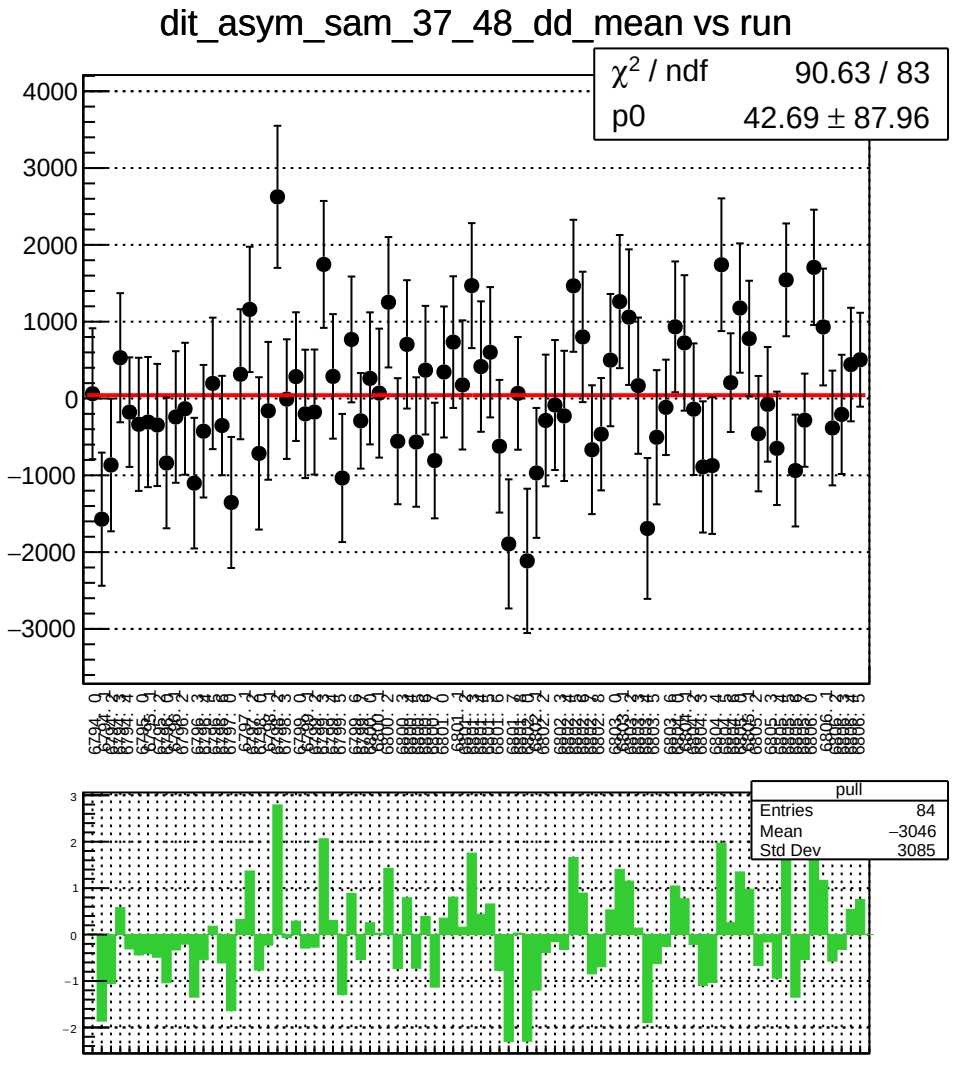

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 80.59 / 83
p0 418.5 ± 563.7
pull
Entries 84
Mean 56.8
Std Dev 115.4

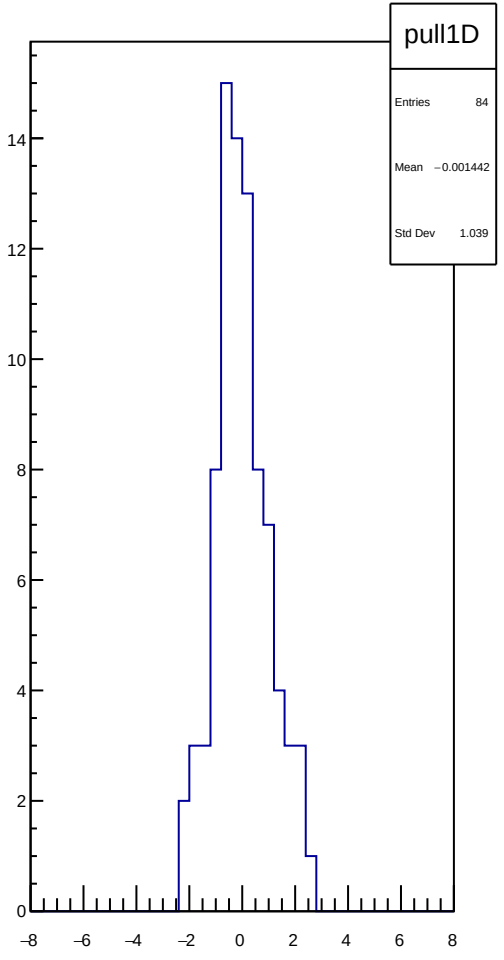

pull1D
Entries 84
Mean 0.00656
Std Dev 0.9794

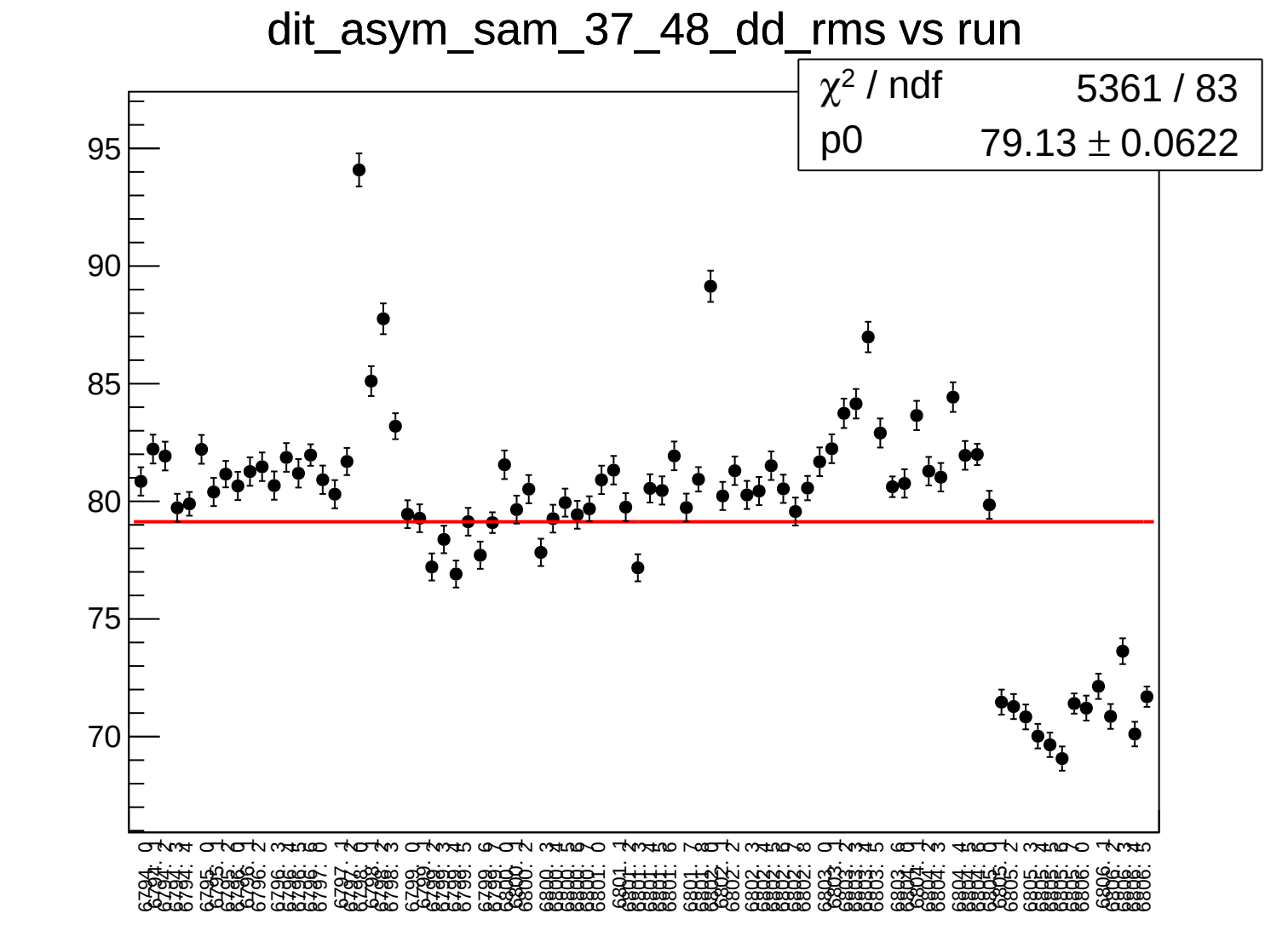

asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 7013 / 83
p0 506.8 ± 0.3986
600
580
560
540
520
500
480
460
440

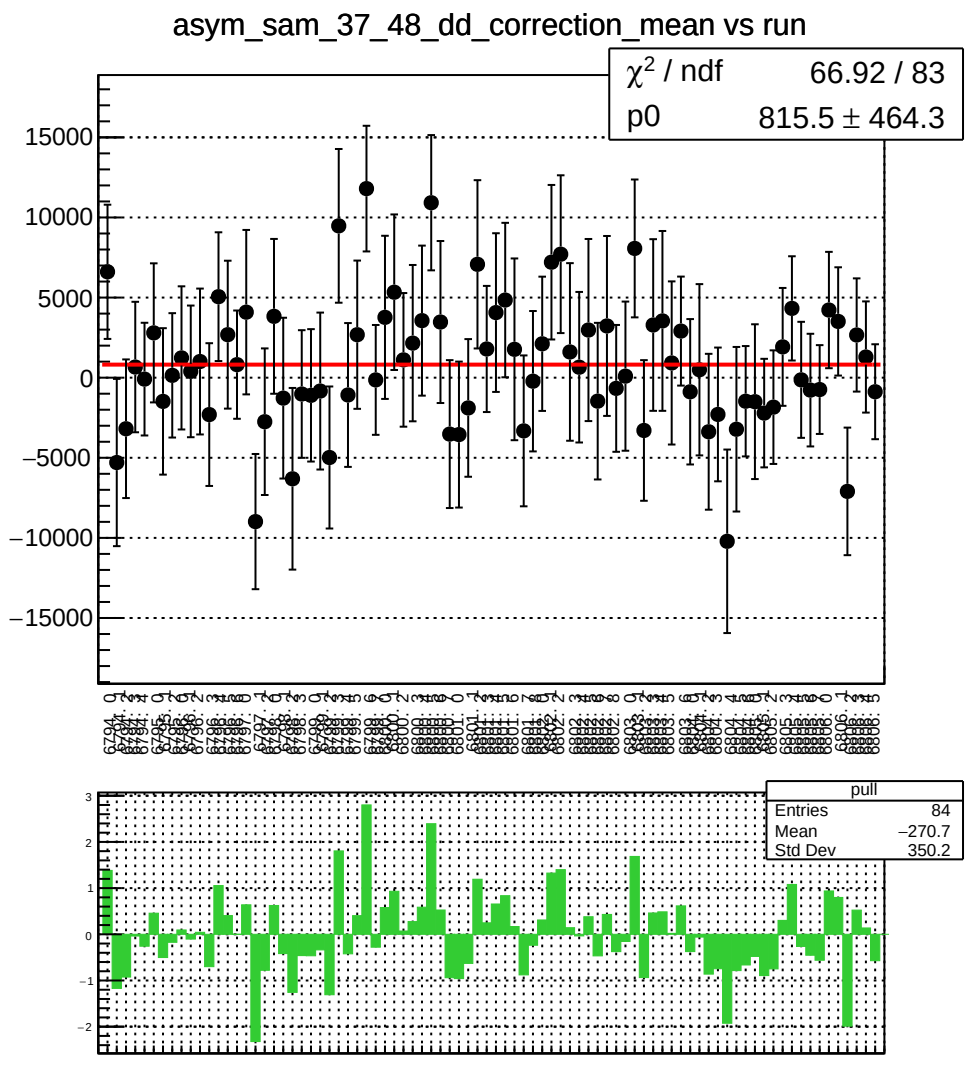

asym_sam_15_48_dd_mean vs run
χ² / ndf 83.13 / 83
p0 −325.8 ± 575.2
20000
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean −60.08
Std Dev 156
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 84
Mean −0.006156
Std Dev 0.9948
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

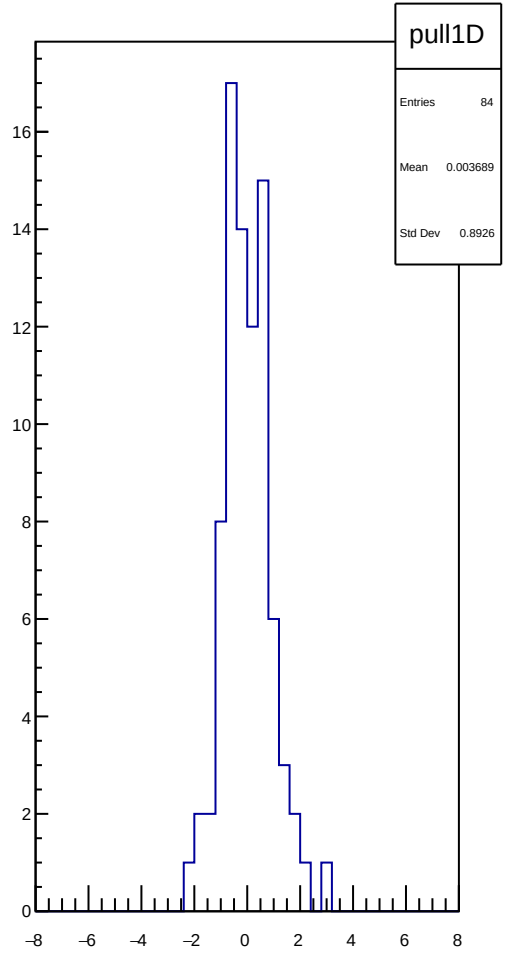

asym_sam_15_48_dd_rms vs run
χ^2 / ndf 7930 / 83
p0 517 ± 0.4067
600
580
560
540
520
500
480
460
440

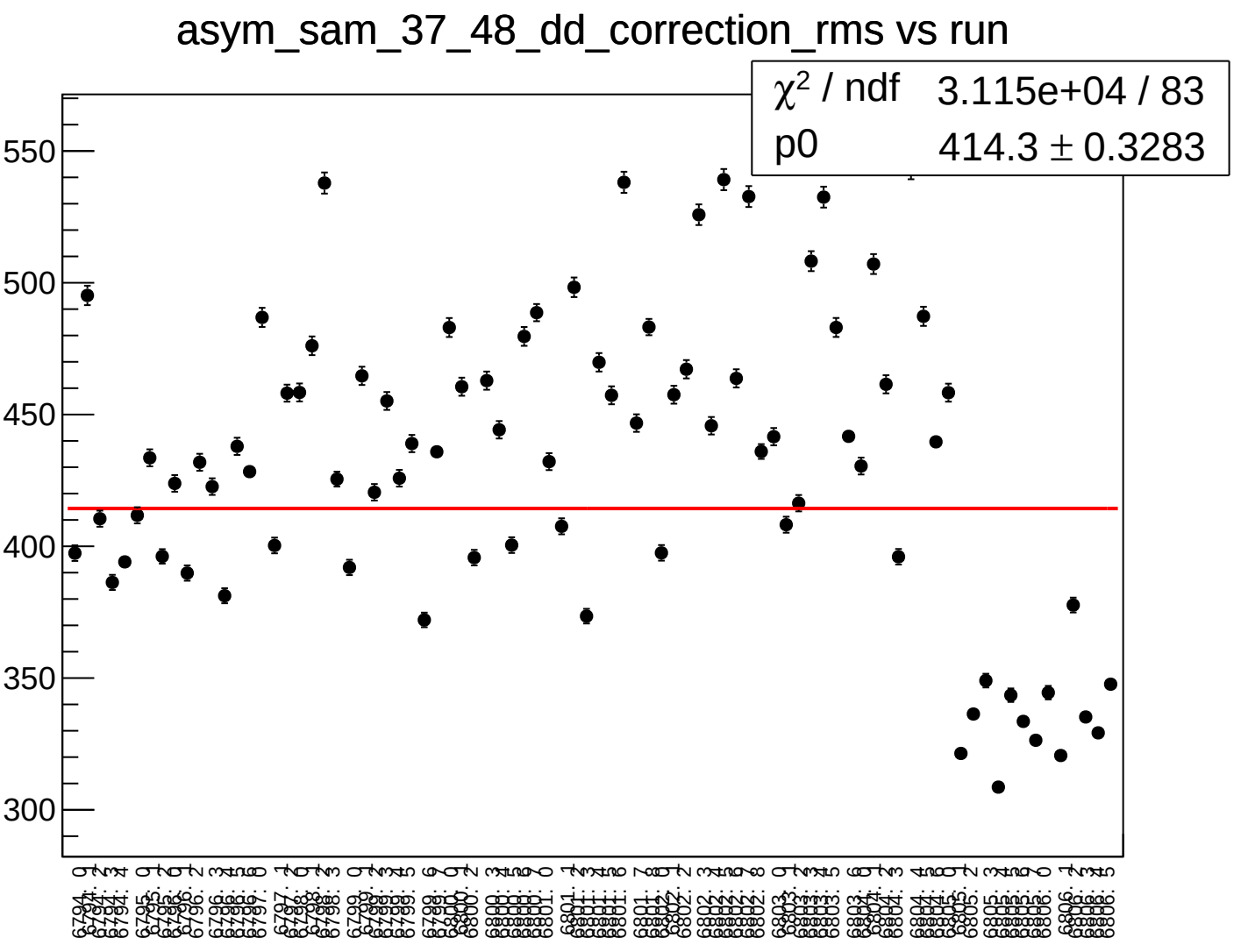

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 90.63 / 83
p0 42.69 ± 87.96
4000
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 84
Mean −3046
Std Dev 3085
3
2
1
0
−1
−2

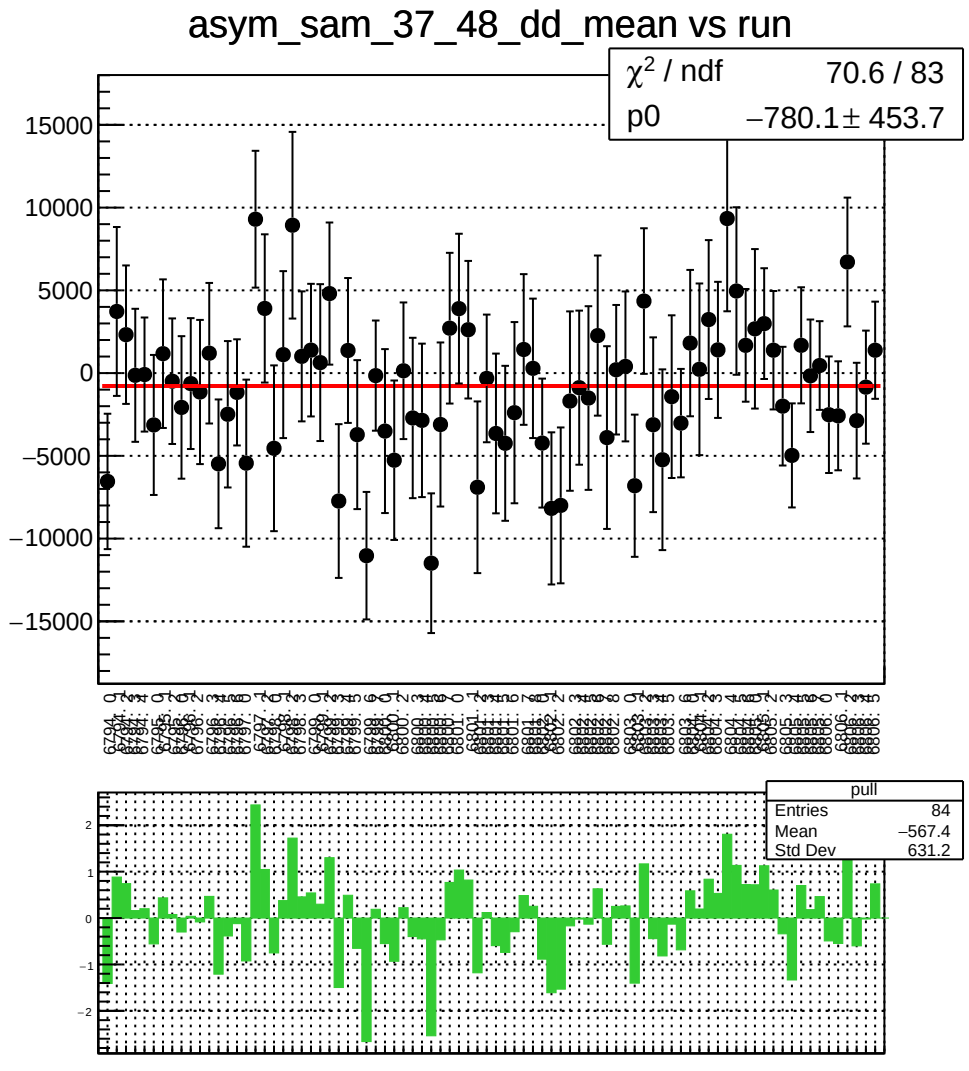

pull1D
Entries 84
Mean −0.001442
Std Dev 1.039
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

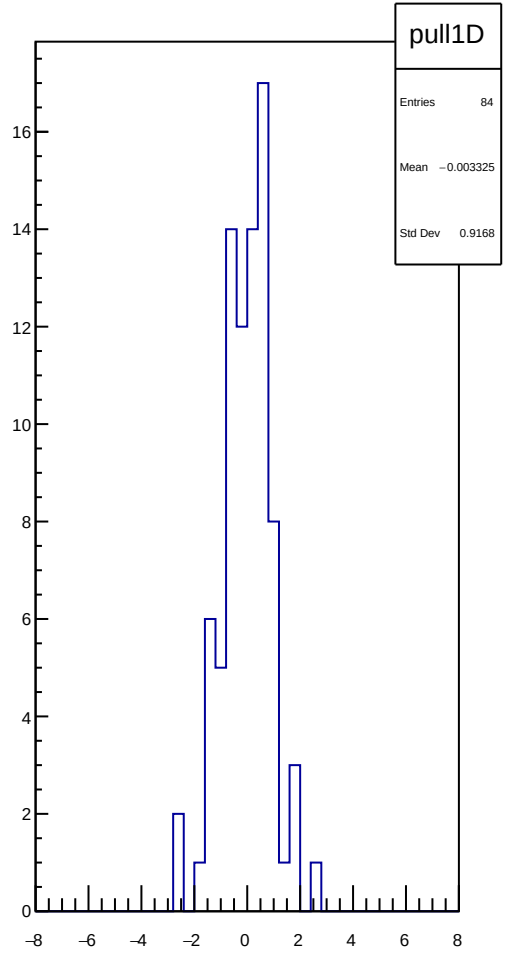

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 5361 / 83
p0 79.13 ± 0.0622
95
90
85
80
75
70

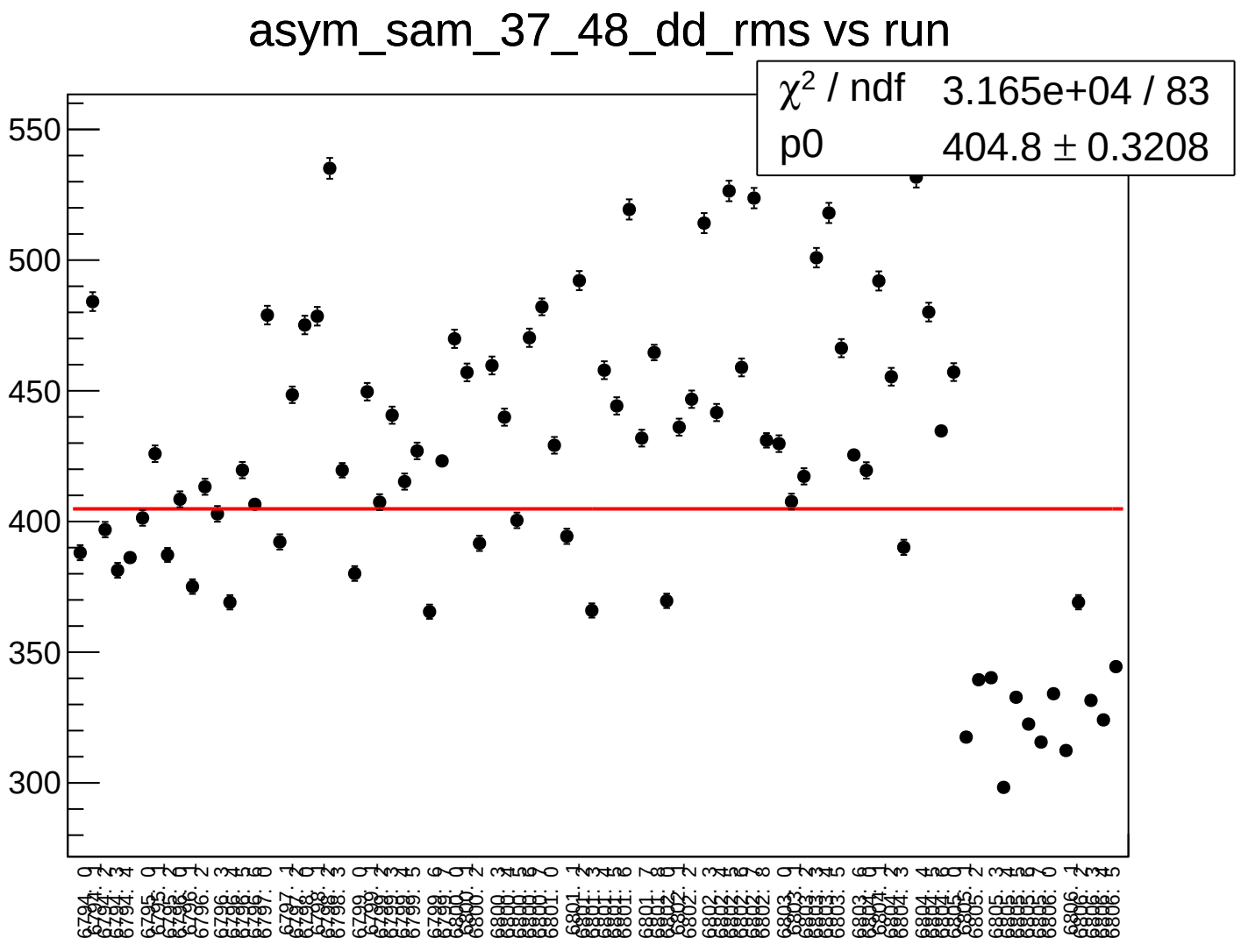

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 66.92 / 83
p0 815.5 ± 464.3
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean −270.7
Std Dev 350.2
3
2
1
0
−1
−2

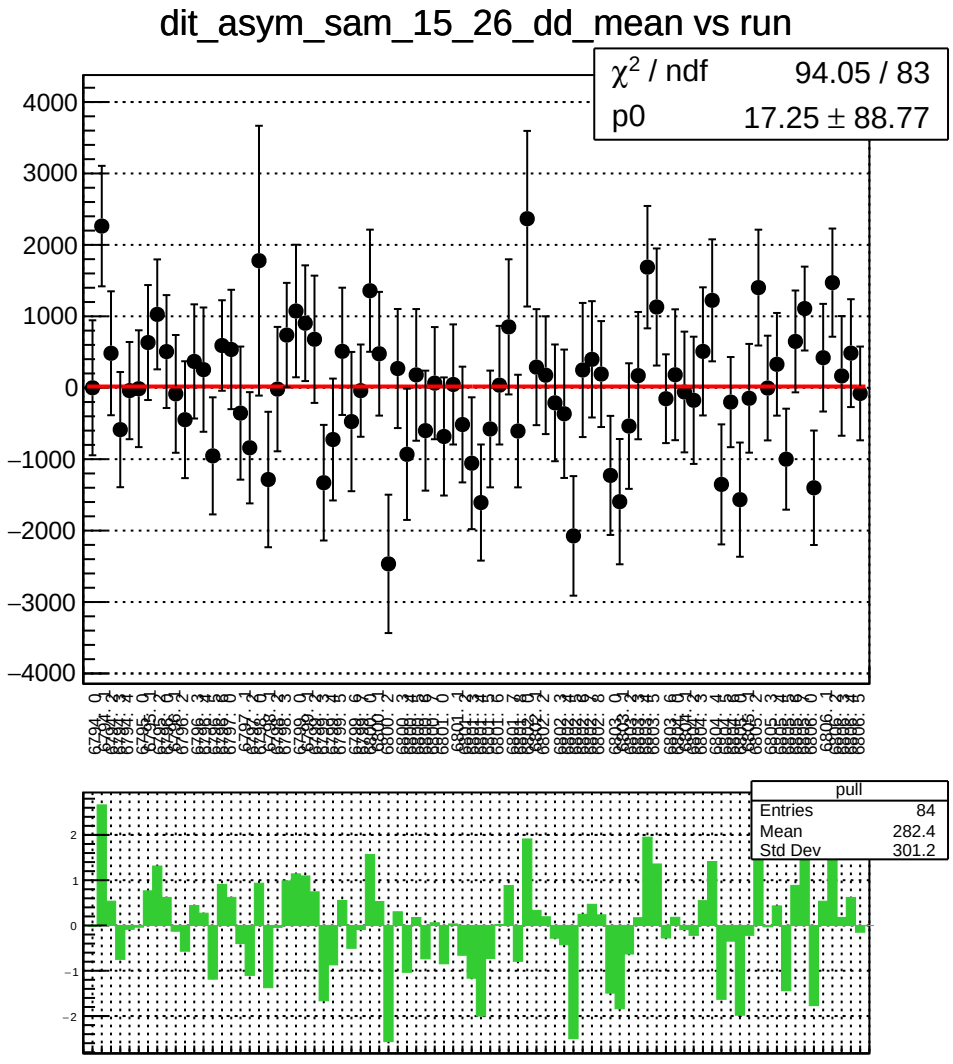

pull1D
Entries 84
Mean 0.003689
Std Dev 0.8926
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

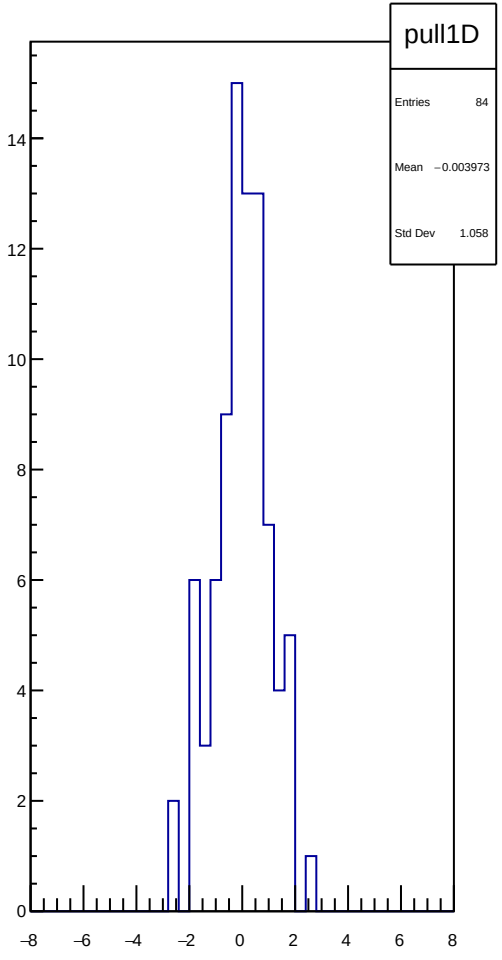

asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 3.115e+04 / 83
p0 414.3 ± 0.3283
550
500
450
400
350
300

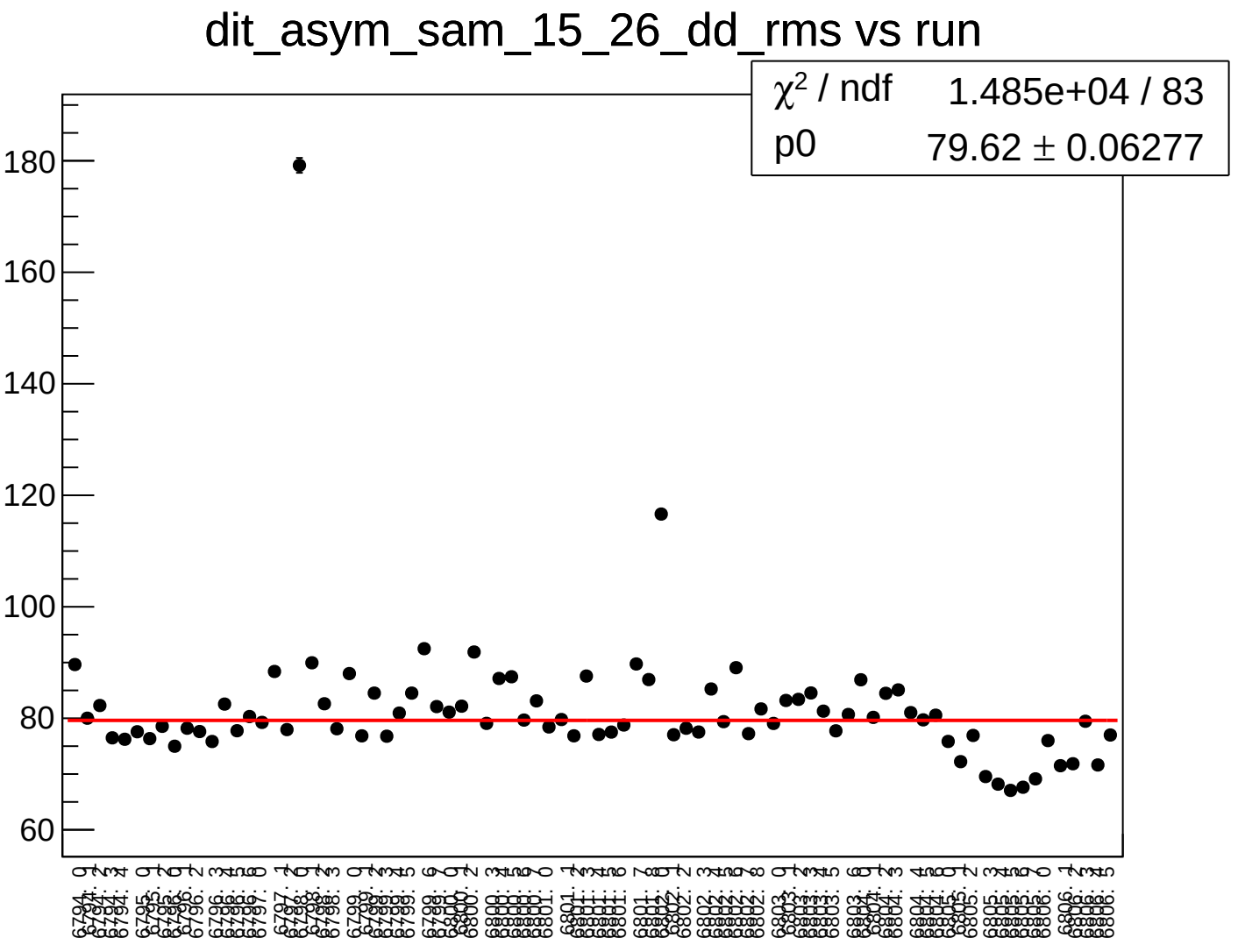

asym_sam_37_48_dd_mean vs run
χ² / ndf 70.6 / 83
p0 −780.1 ± 453.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean −567.4
Std Dev 631.2
2
1
0
−1
−2

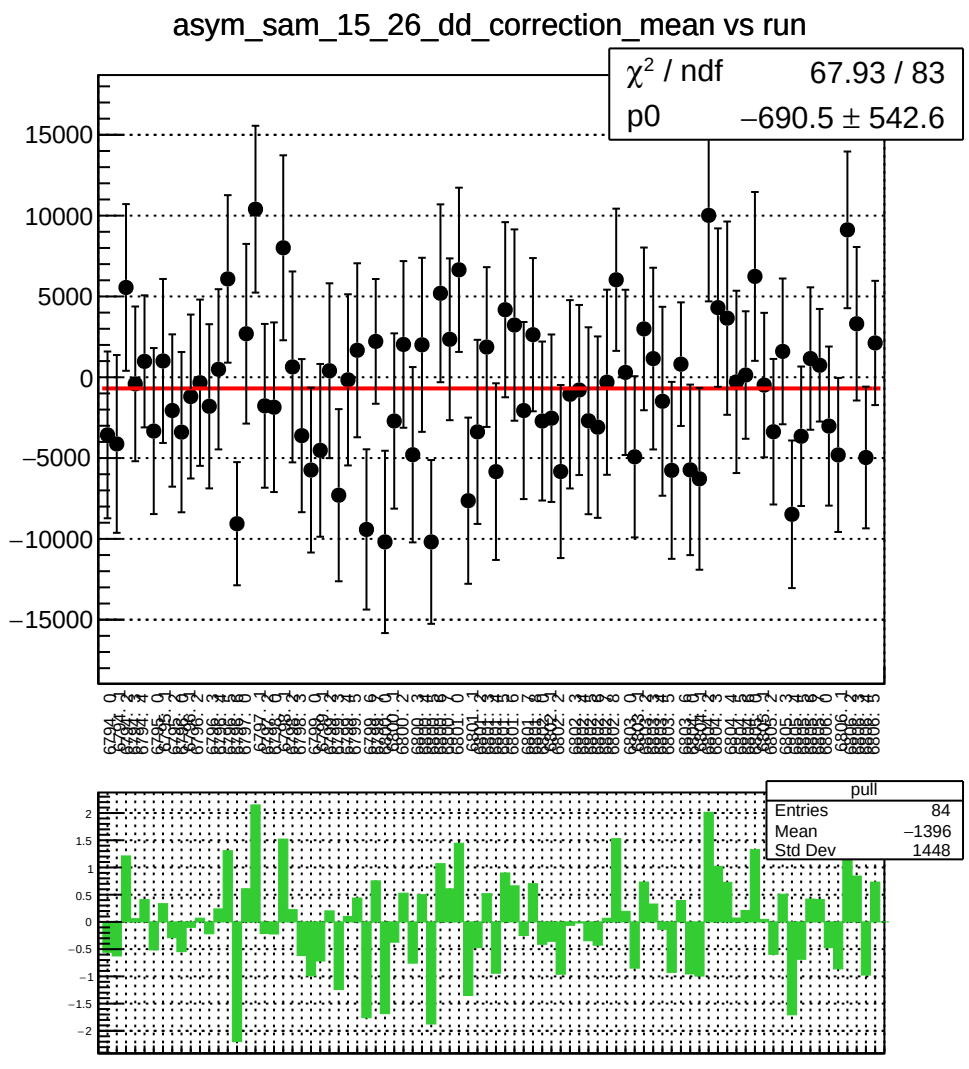

pull1D
Entries 84
Mean −0.003325
Std Dev 0.9168
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

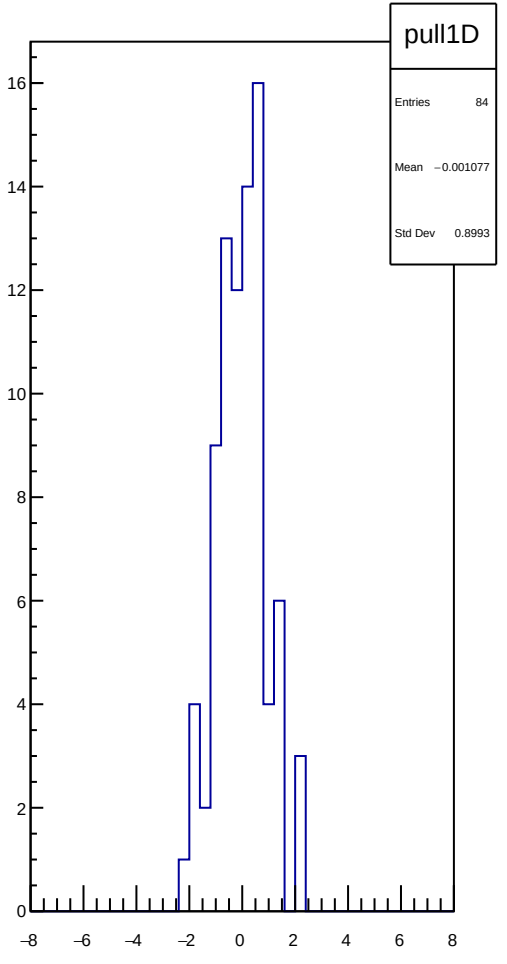

asym_sam_37_48_dd_rms vs run
χ² / ndf 3.165e+04 / 83
p0 404.8 ± 0.3208
550
500
450
400
350
300

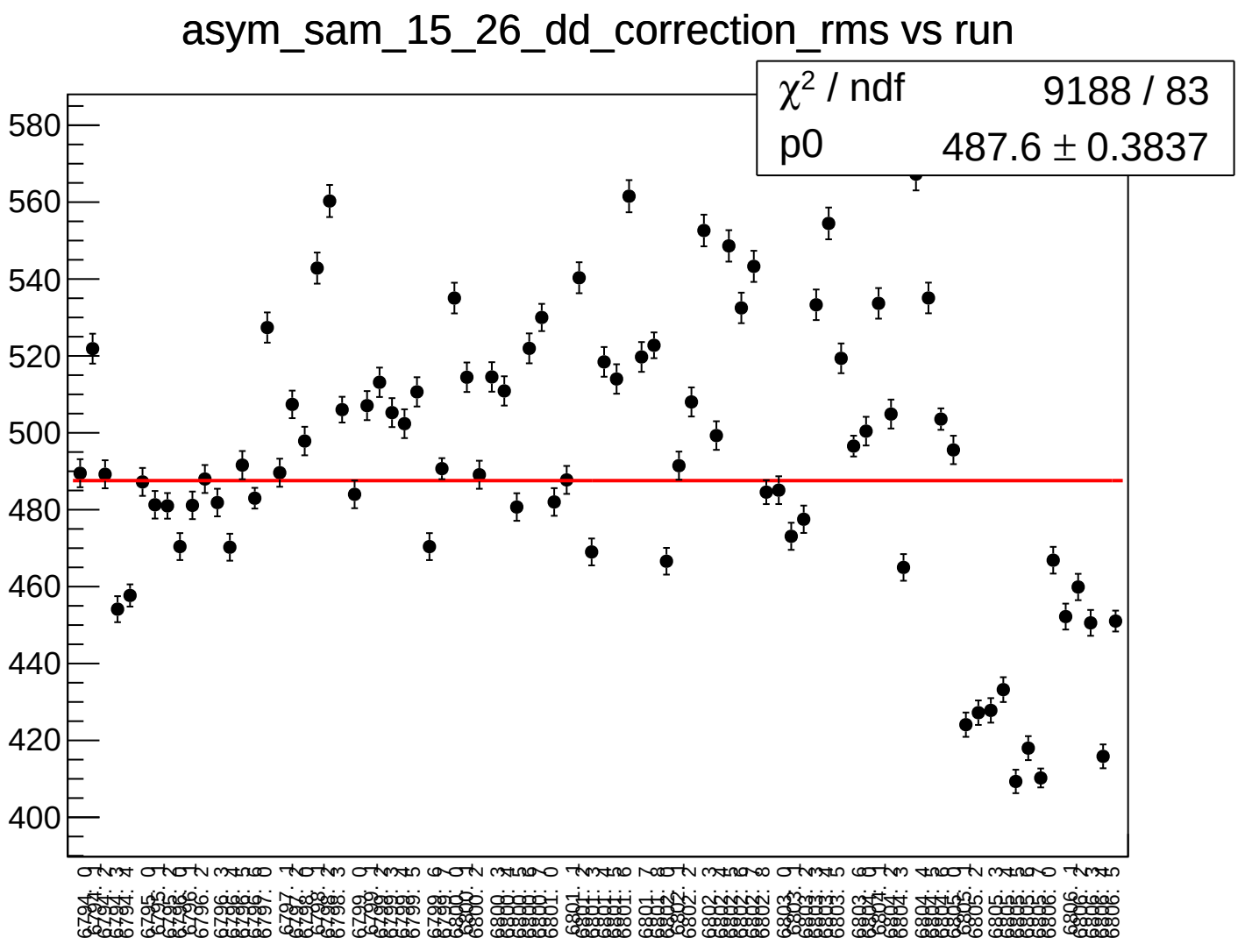

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 94.05 / 83
p0 17.25 ± 88.77
pull
Entries 84
Mean 282.4
Std Dev 301.2

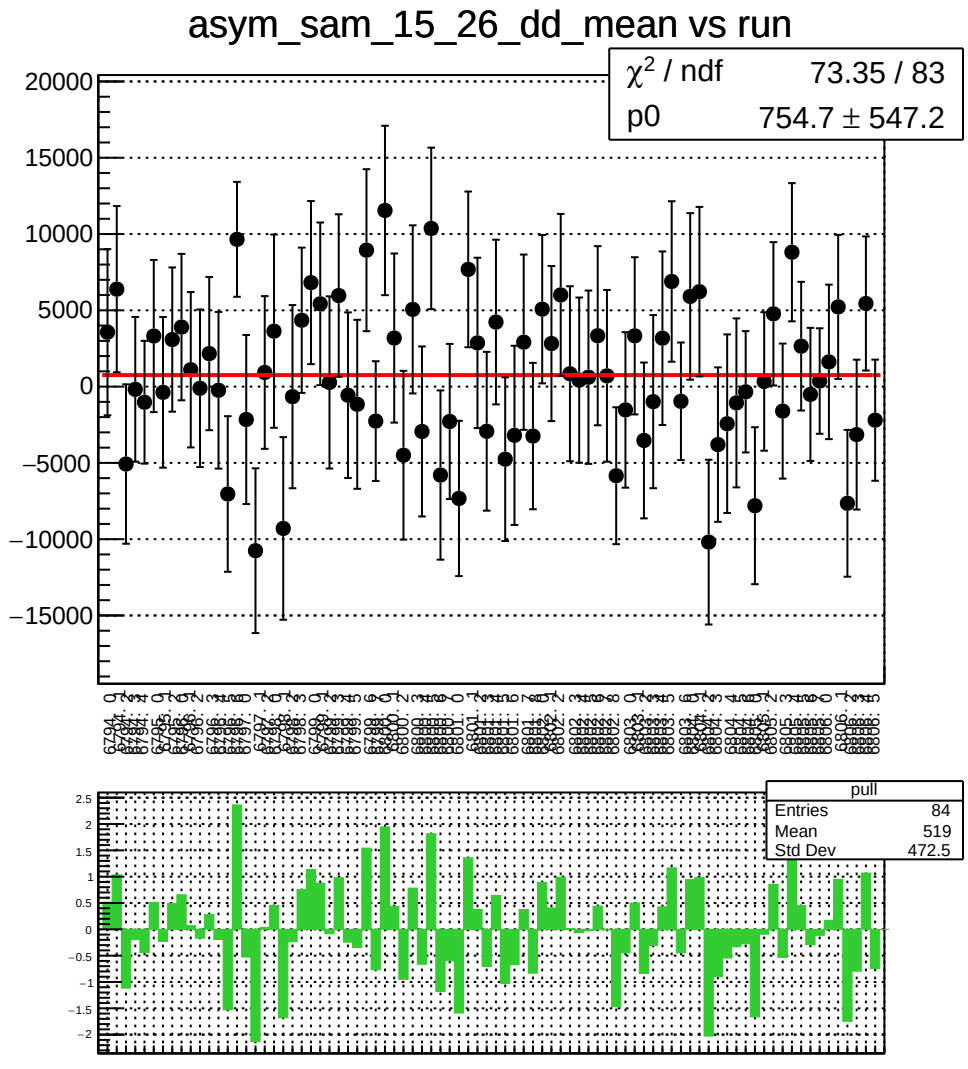

pull1D
Entries 84
Mean −0.003973
Std Dev 1.058

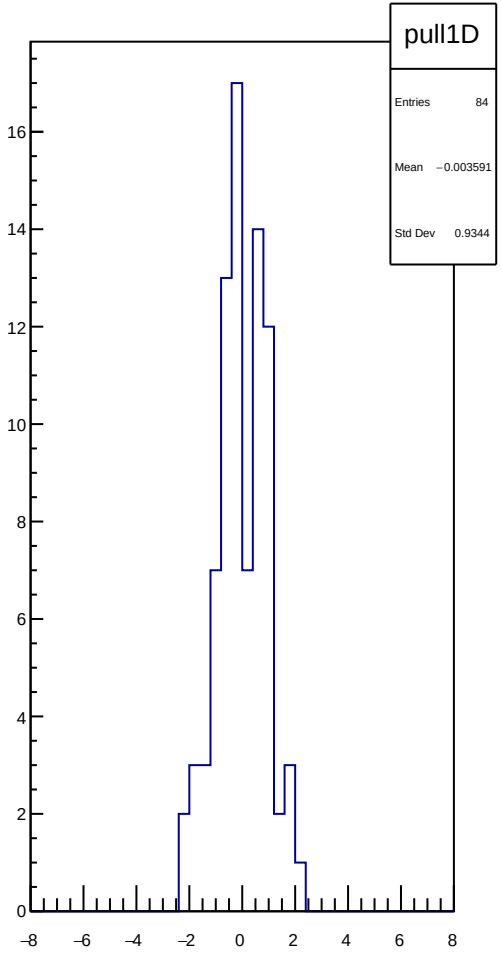

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 1.485e+04 / 83
p0 79.62 ± 0.06277
180
160
140
120
100
80
60

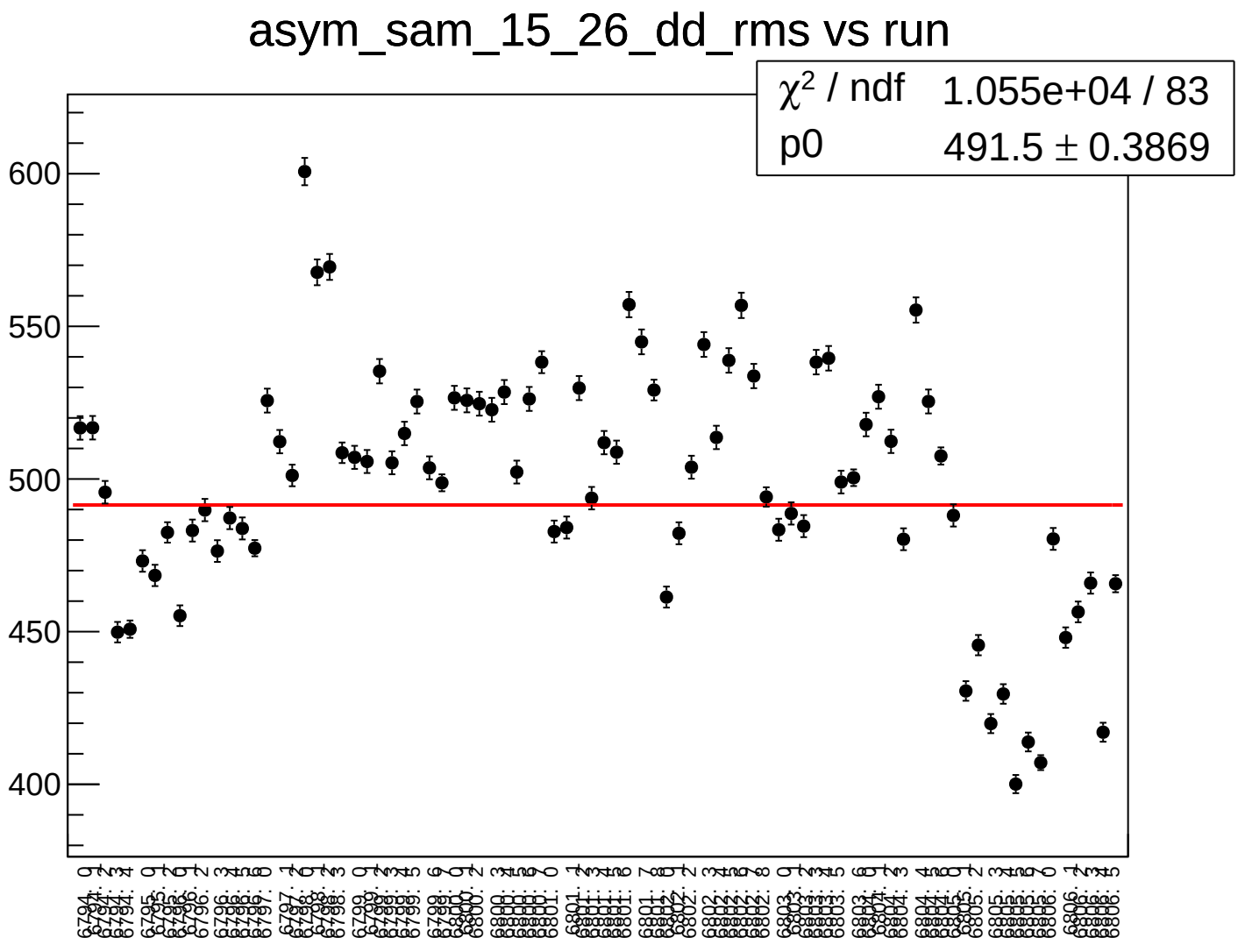

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 67.93 / 83
p0 −690.5 ± 542.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean −1396
Std Dev 1448
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

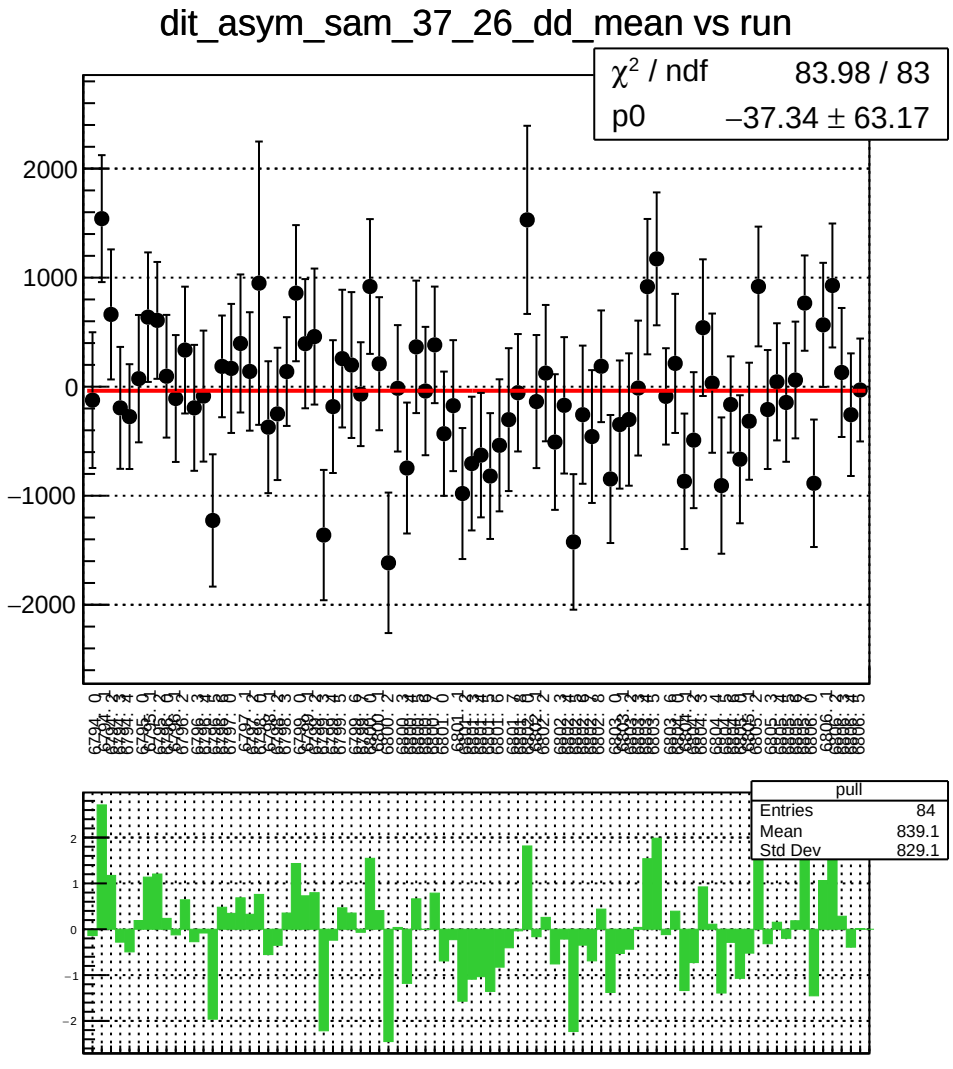

pull1D
Entries 84
Mean −0.001077
Std Dev 0.8993
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

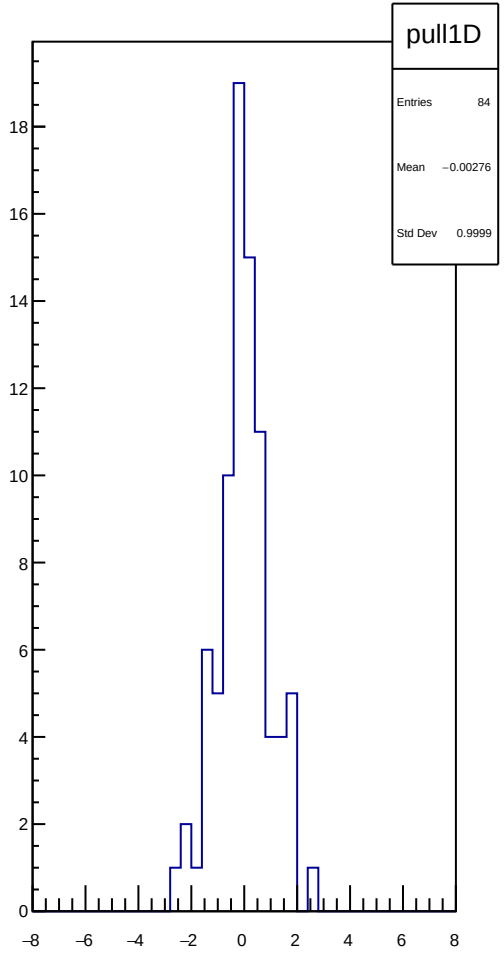

asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 9188 / 83
p0 487.6 ± 0.3837
580
560
540
520
500
480
460
440
420
400

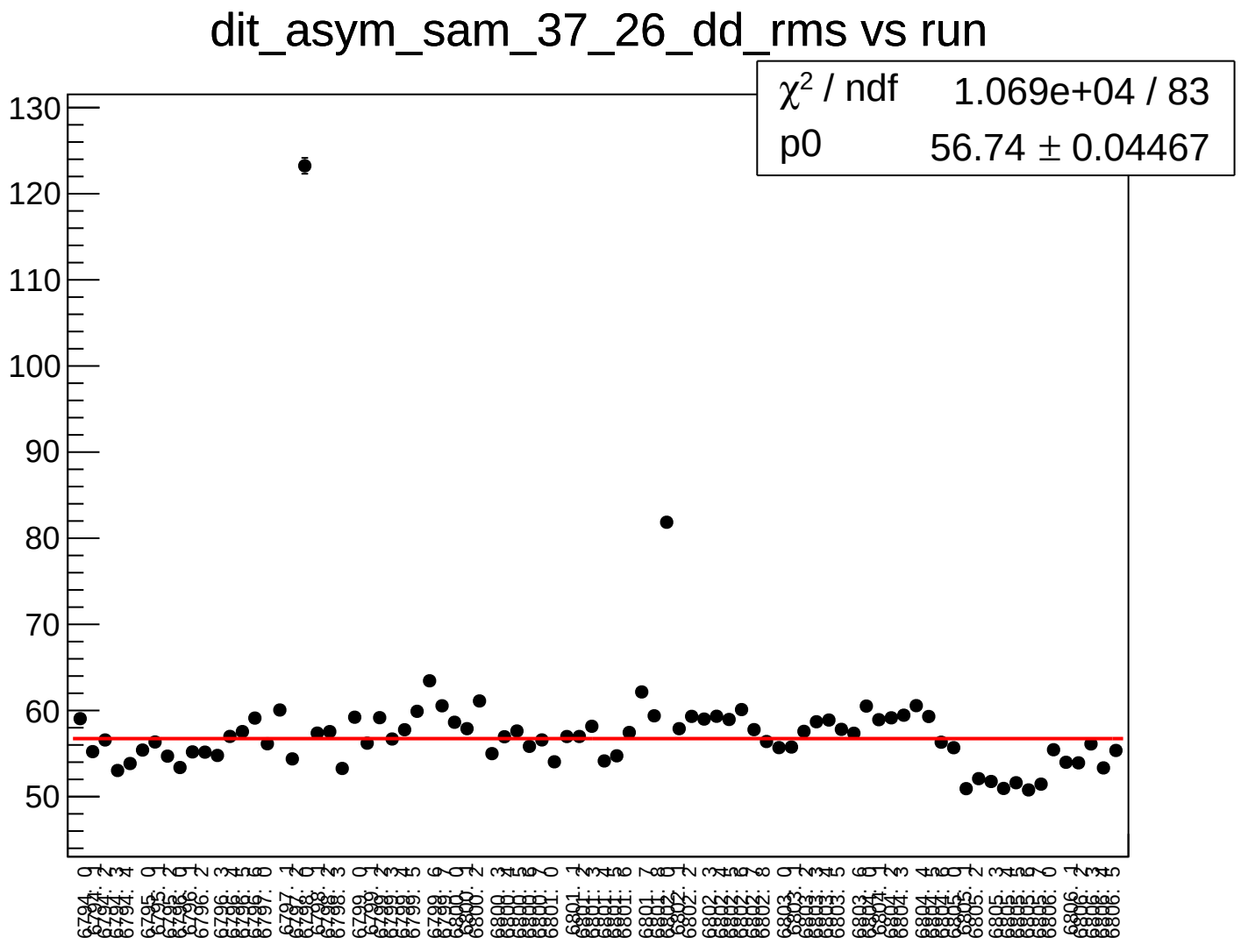

asym_sam_15_26_dd_mean vs run
χ² / ndf 73.35 / 83
p0 754.7 ± 547.2
pull
Entries 84
Mean 519
Std Dev 472.5

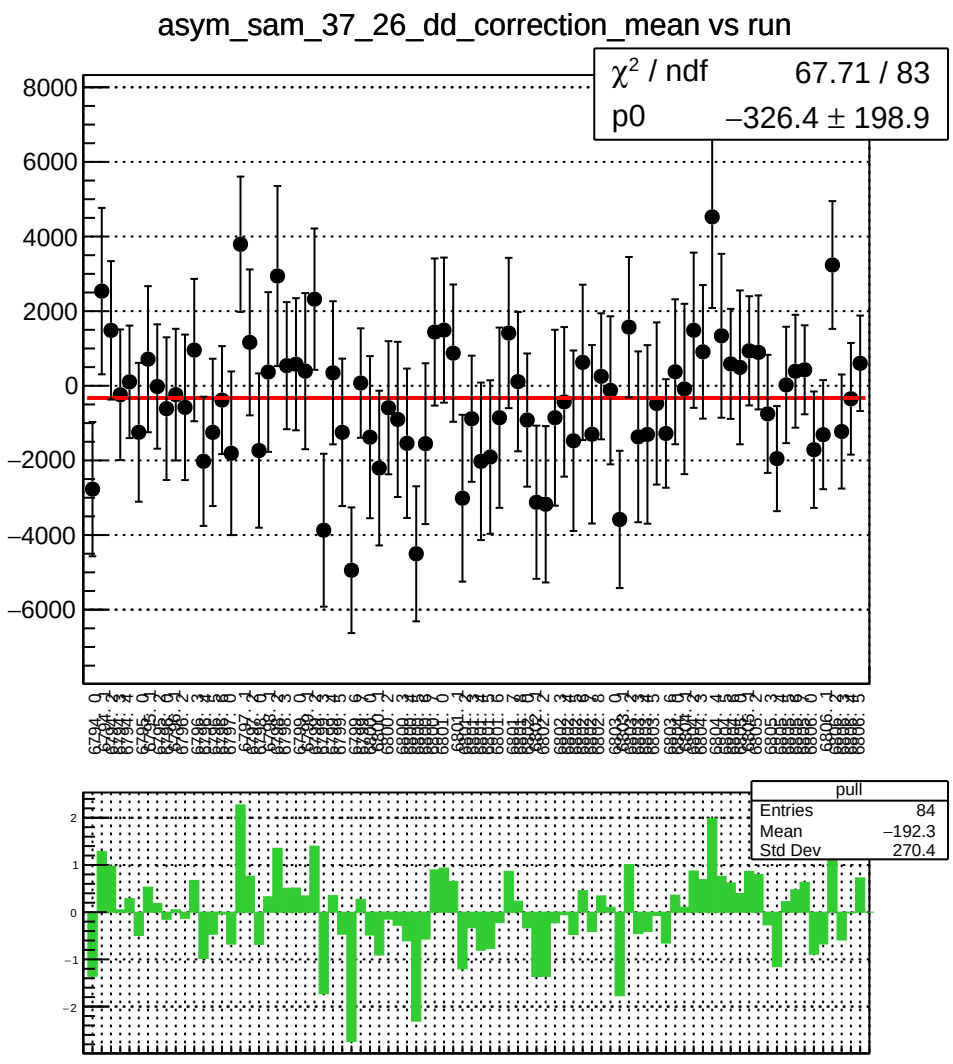

pull1D
Entries 84
Mean −0.003591
Std Dev 0.9344

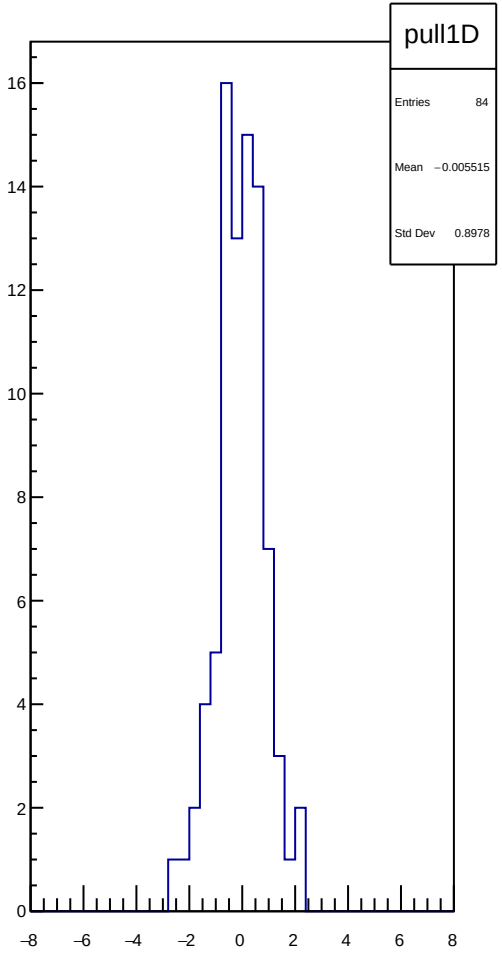

asym_sam_15_26_dd_rms vs run
χ^2 / ndf 1.055e+04 / 83
p0 491.5 ± 0.3869
600
550
500
450
400

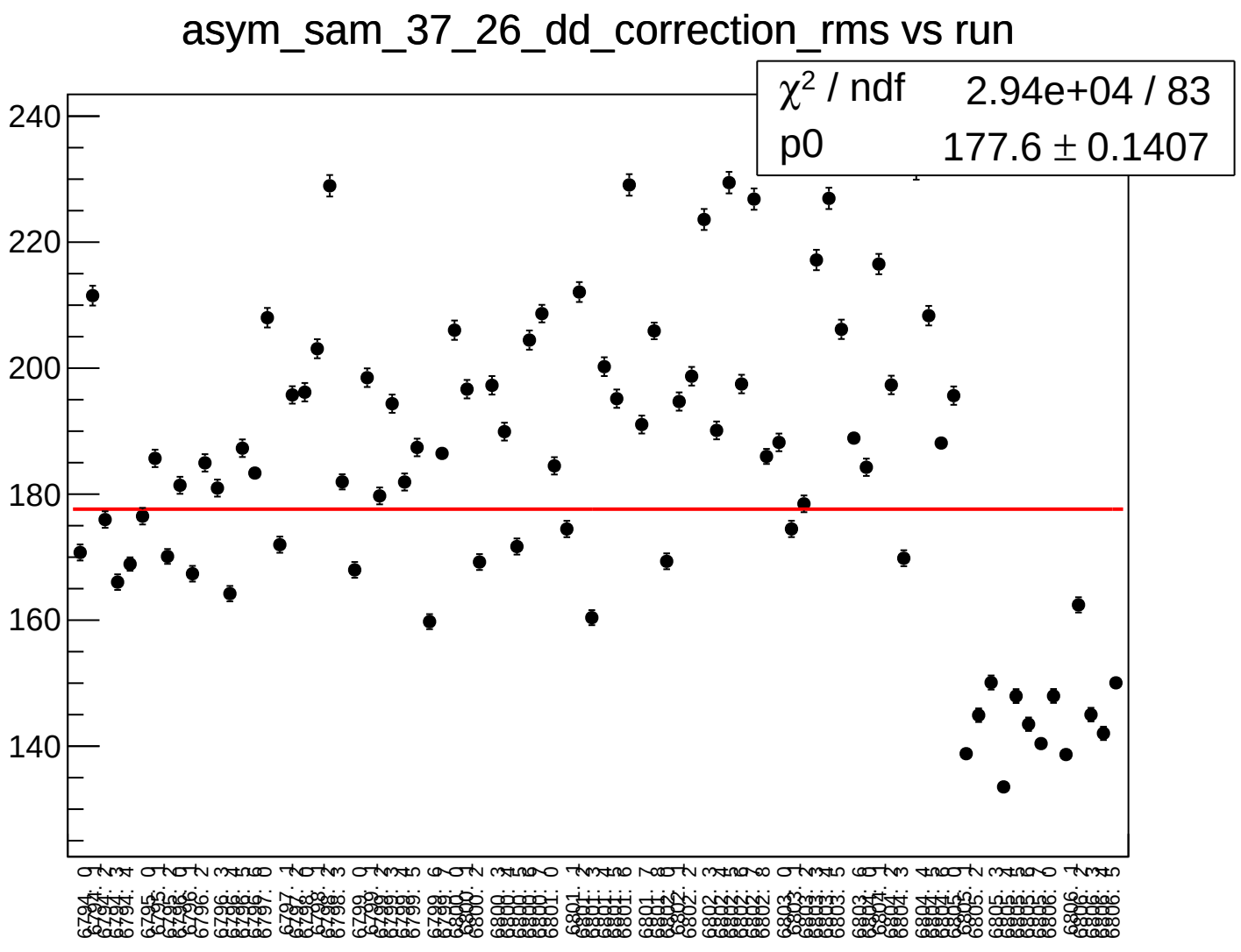

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 83.98 / 83
p0 −37.34 ± 63.17
2000
1000
0
−1000
−2000
pull
Entries 84
Mean 839.1
Std Dev 829.1
2
1
0
−1
−2

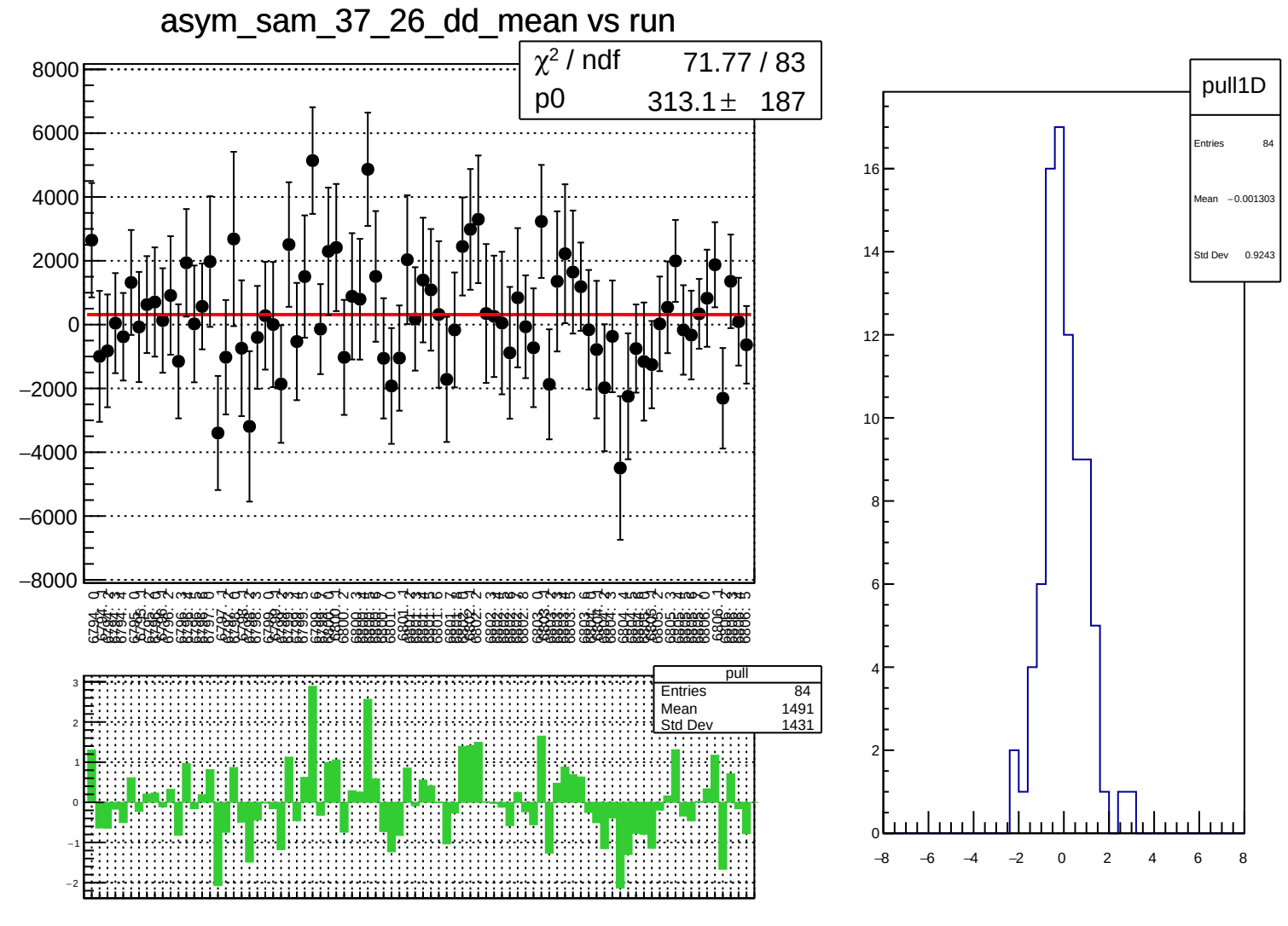

pull1D
Entries 84
Mean −0.00276
Std Dev 0.9999
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

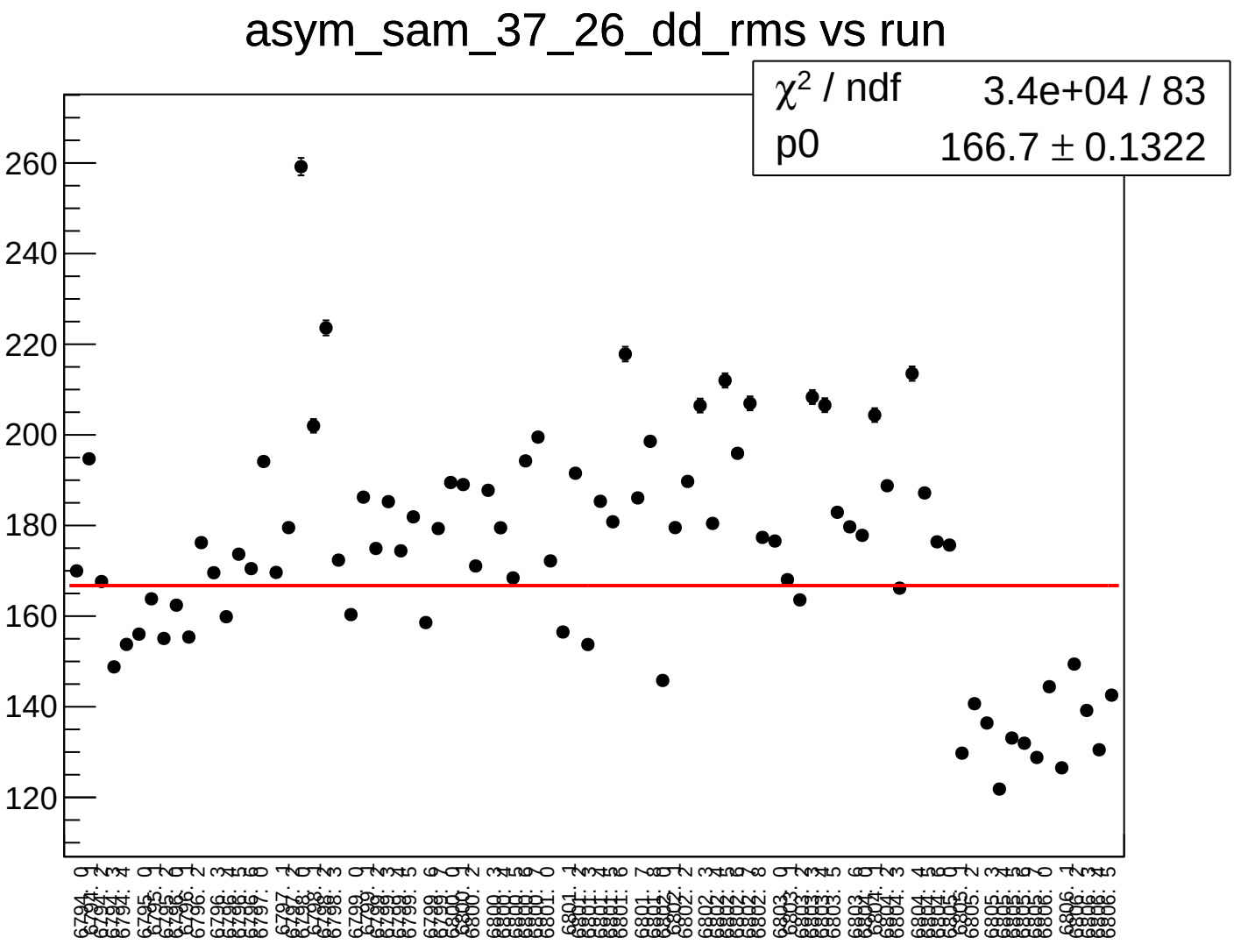

dit_asym_sam_37_26_dd_rms vs run
χ^2 / ndf 1.069e+04 / 83
p0 56.74 ± 0.04467
130
120
110
100
90
80
70
60
50

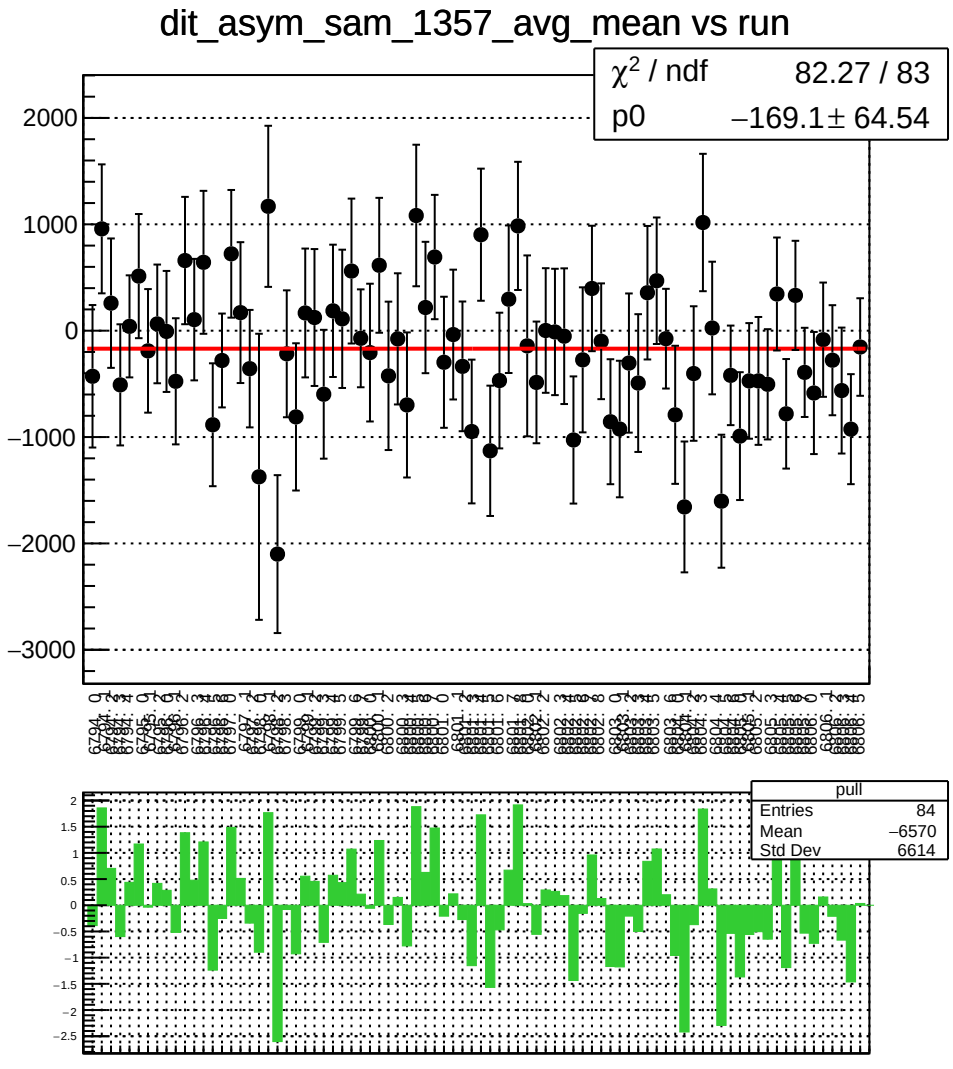

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 67.71 / 83
p0 −326.4 ± 198.9
pull
Entries 84
Mean −192.3
Std Dev 270.4

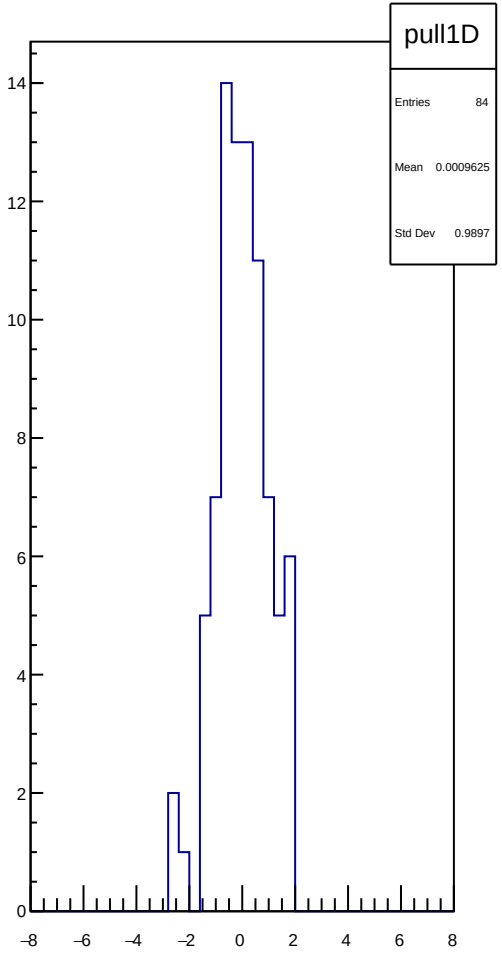

pull1D
Entries 84
Mean −0.005515
Std Dev 0.8978

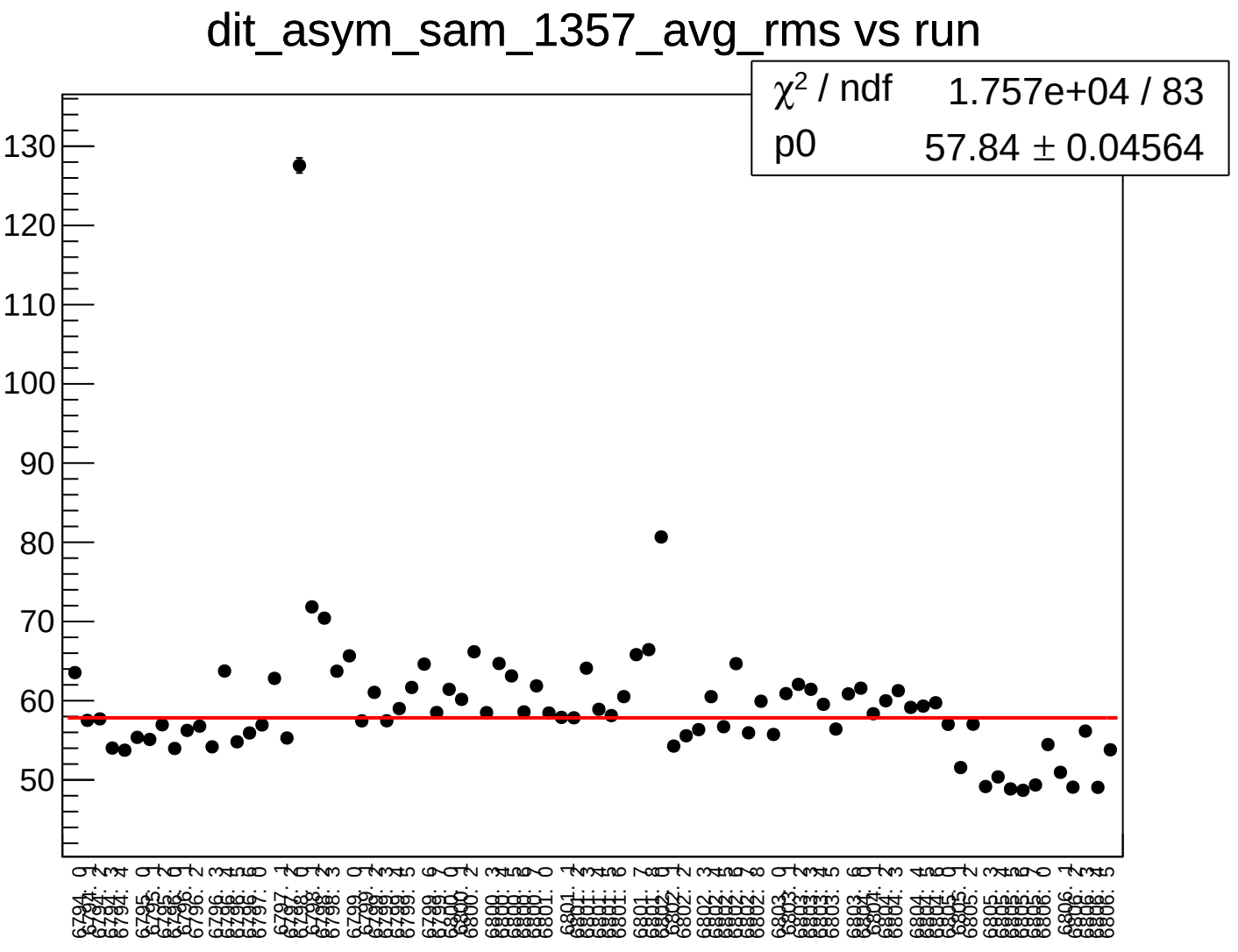

asym_sam_37_26_dd_correction_rms vs run
χ² / ndf 2.94e+04 / 83
p0 177.6 ± 0.1407
240
220
200
180
160
140

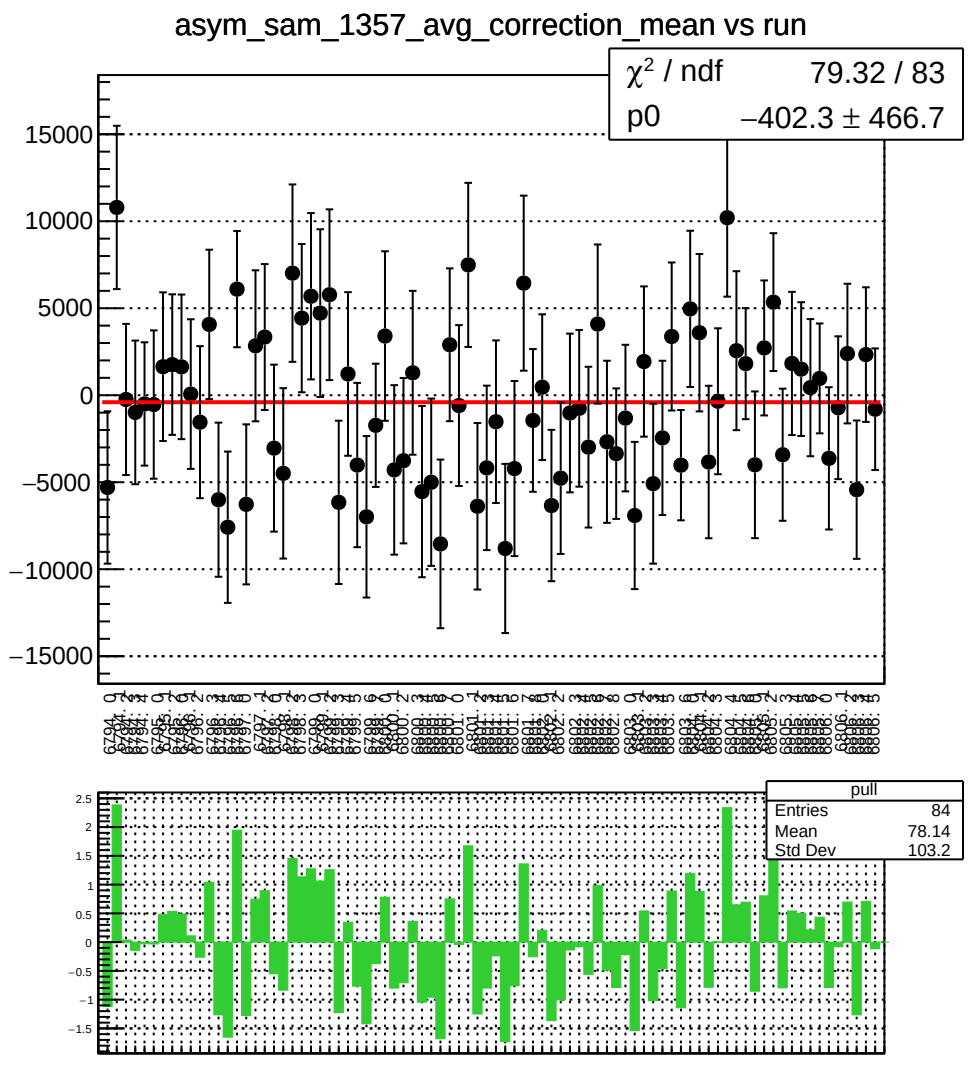

asym_sam_37_26_dd_mean vs run
χ² / ndf 71.77 / 83
p0 313.1 ± 187
pull
Entries 84
Mean 1491
Std Dev 1431
pull1D
Entries 84
Mean −0.001303
Std Dev 0.9243

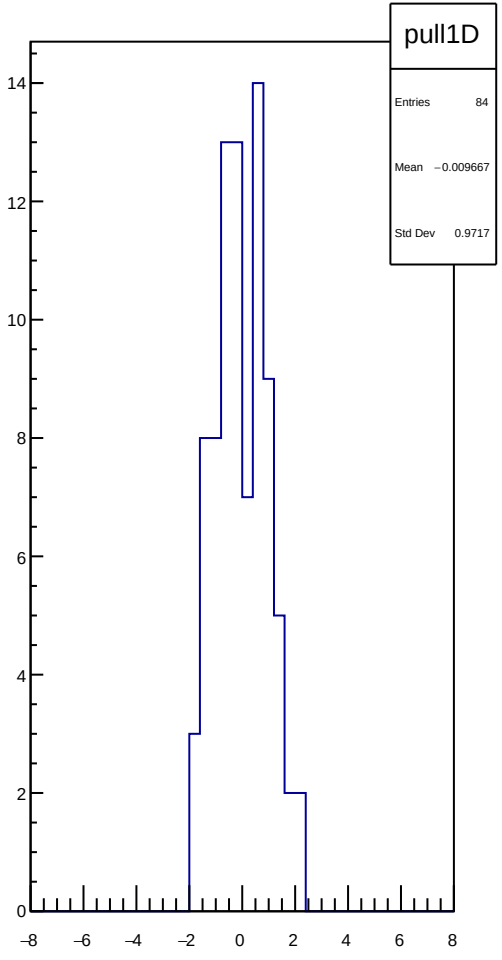

asym_sam_37_26_dd_rms vs run
χ² / ndf 3.4e+04 / 83
p0 166.7 ± 0.1322
260
240
220
200
180
160
140
120

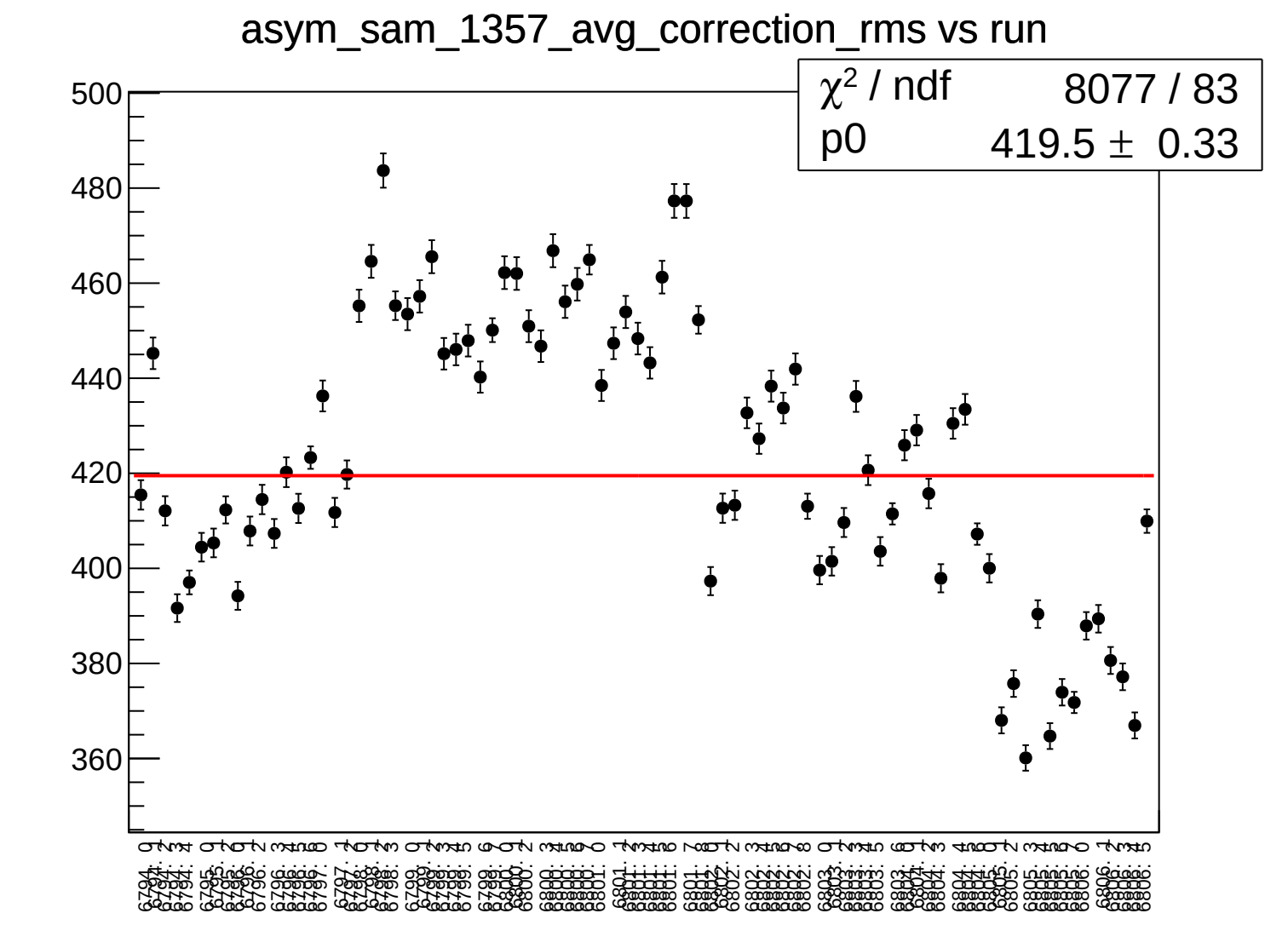

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 82.27 / 83
p0 −169.1± 64.54
pull
Entries 84
Mean −6570
Std Dev 6614

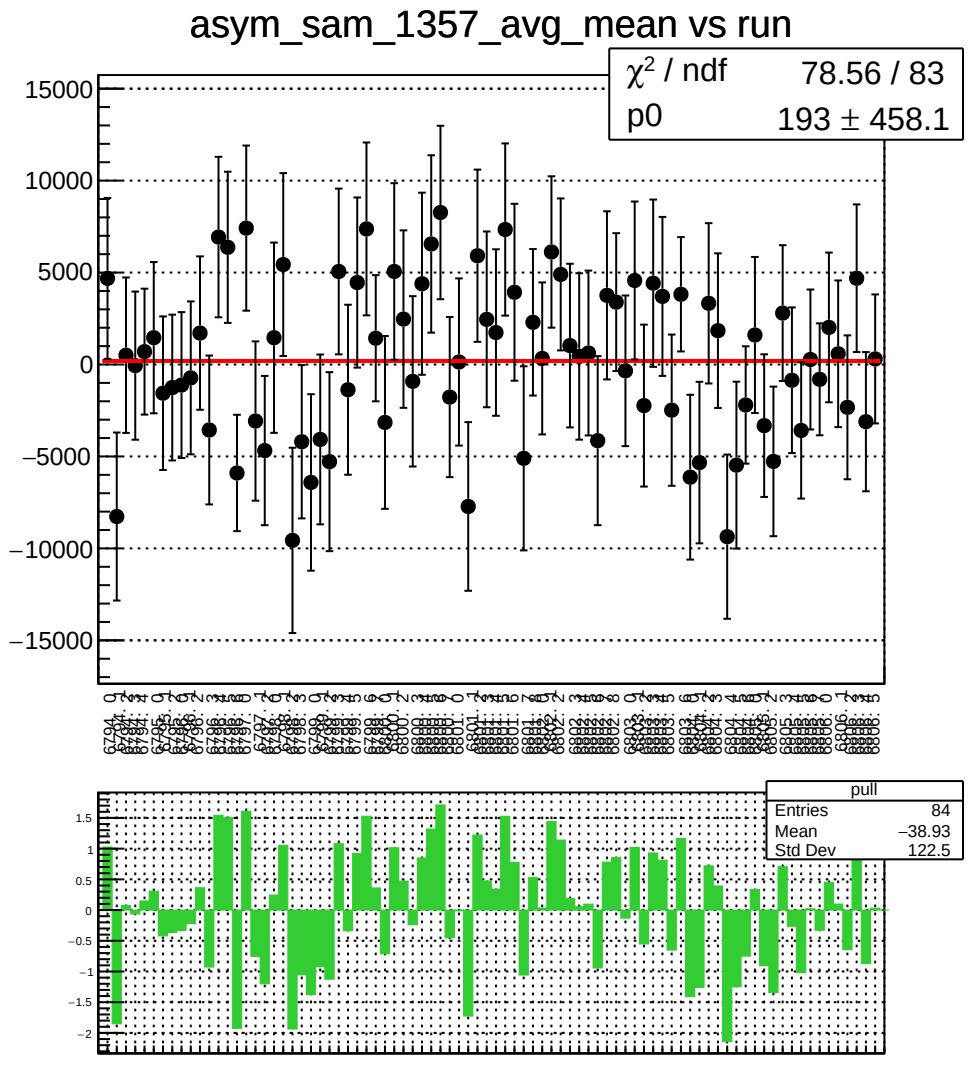

pull1D
Entries 84
Mean 0.0009625
Std Dev 0.9897

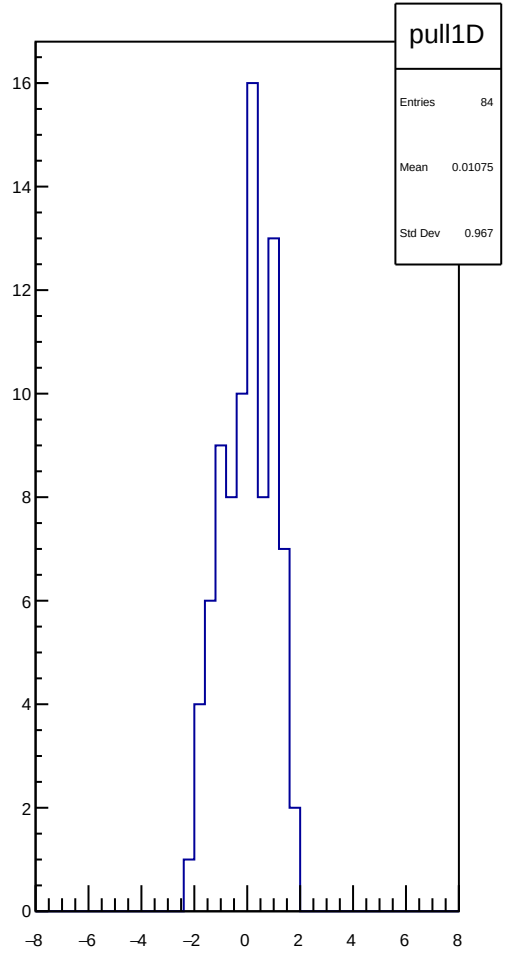

dit_asym_sam_1357_avg_rms vs run
χ^2 / ndf 1.757e+04 / 83
p0 57.84 ± 0.04564
130
120
110
100
90
80
70
60
50

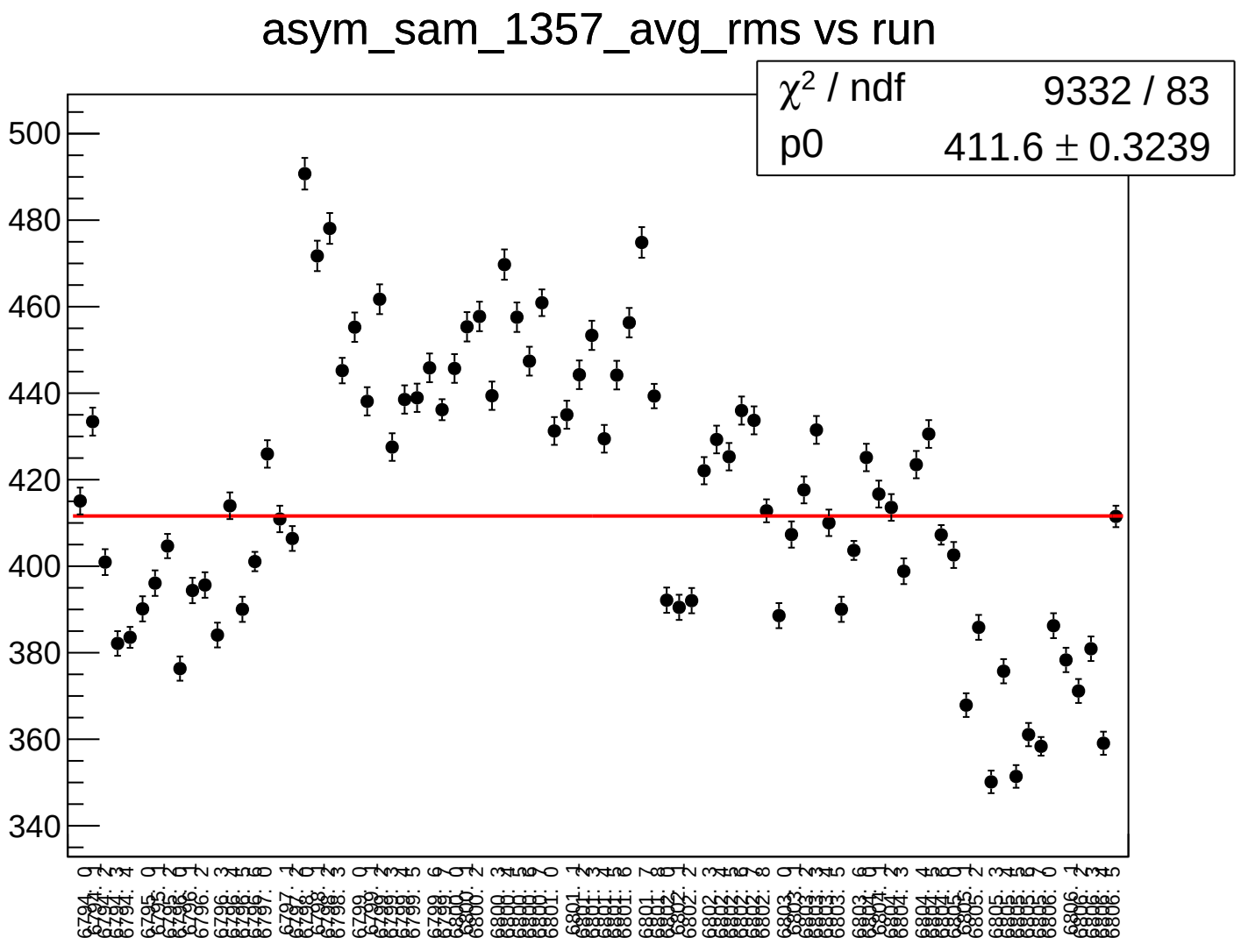

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 79.32 / 83
p0 −402.3 ± 466.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean 78.14
Std Dev 103.2
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

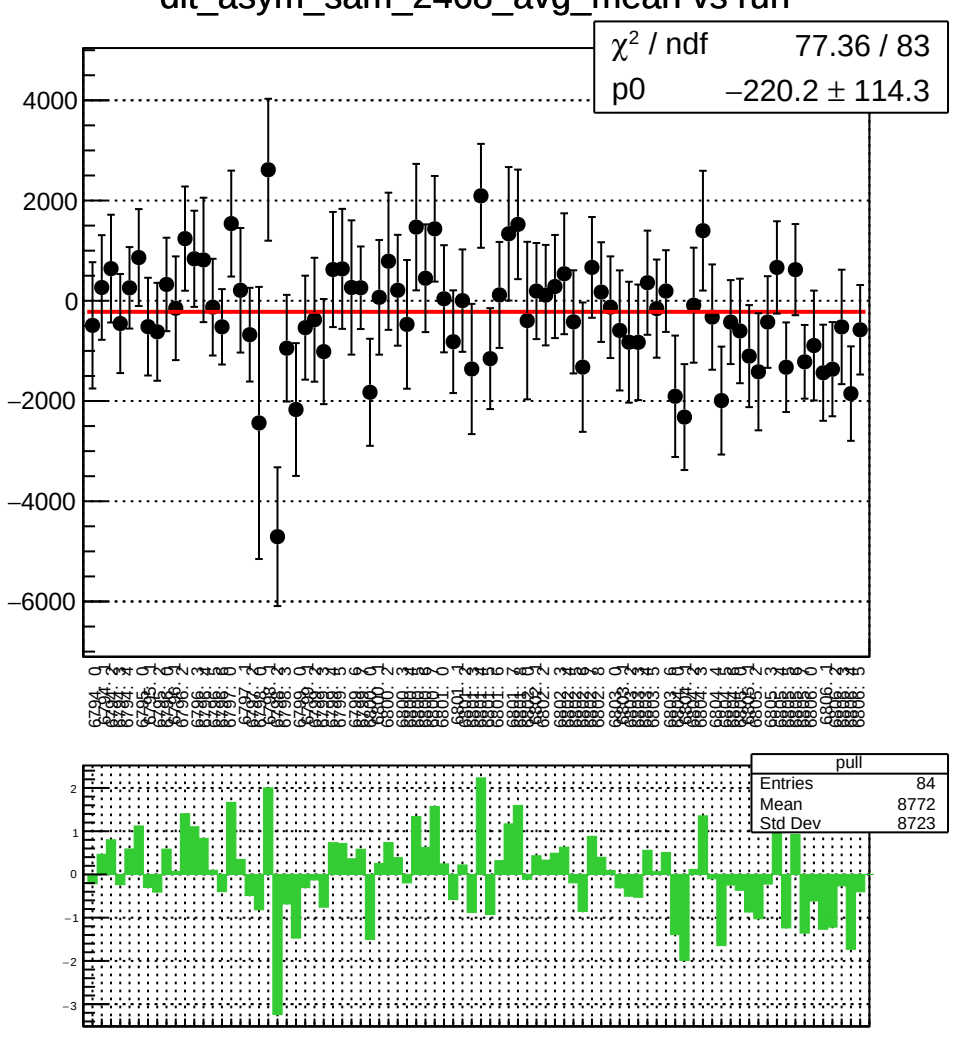

pull1D
Entries 84
Mean −0.009667
Std Dev 0.9717
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

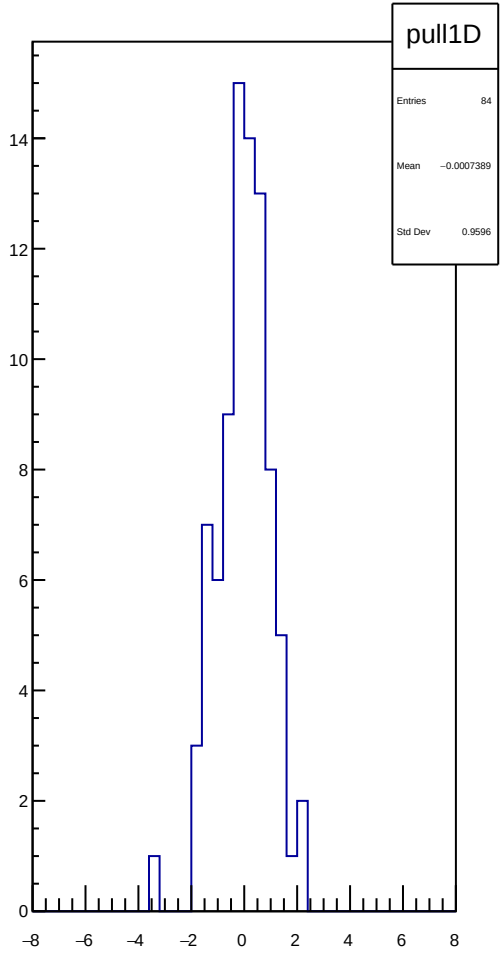

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 8077 / 83
p0 419.5 ± 0.33
500
480
460
440
420
400
380
360

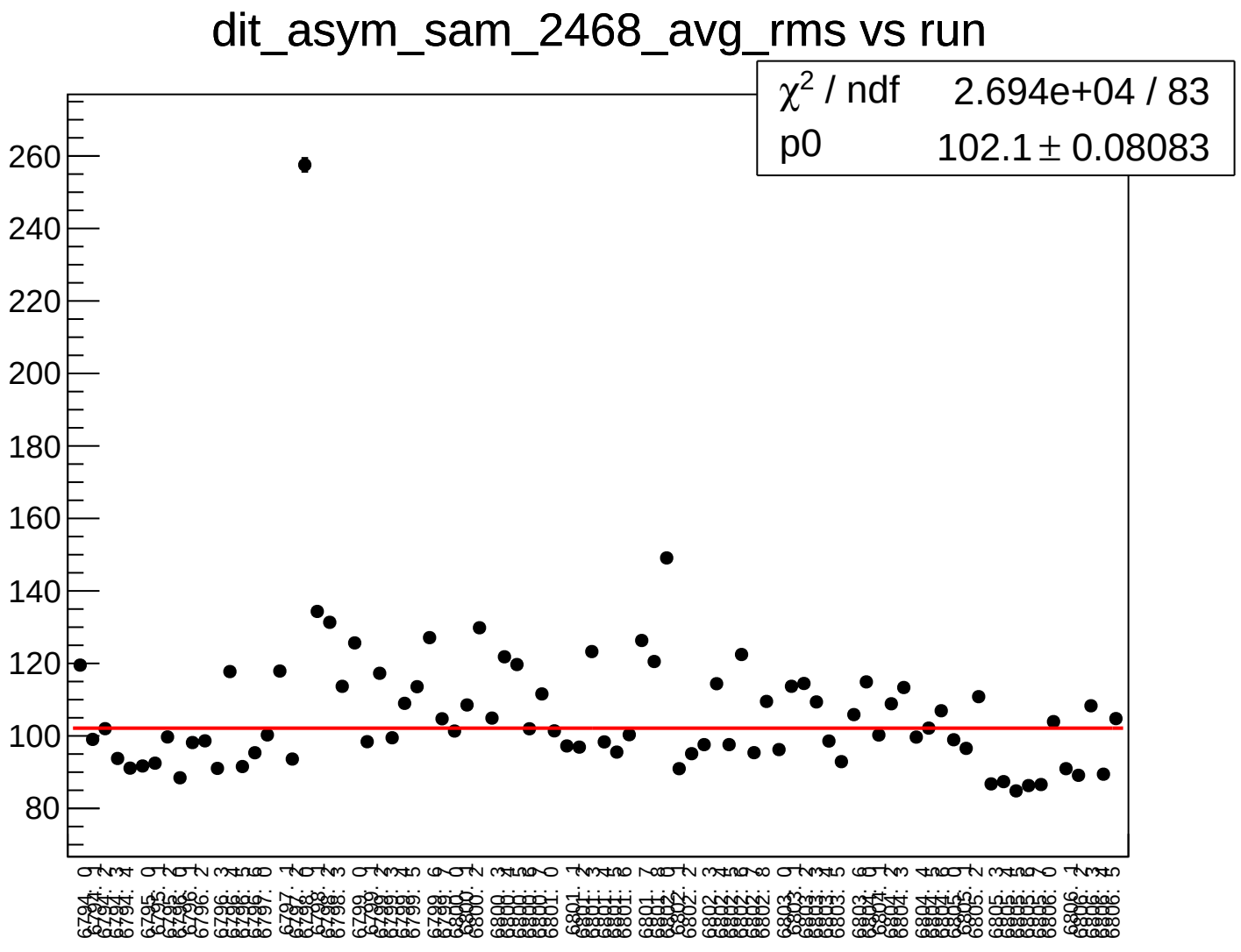

asym_sam_1357_avg_mean vs run
χ² / ndf 78.56 / 83
p0 193 ± 458.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean −38.93
Std Dev 122.5
1.5
1
0.5
0
−0.5
−1
−1.5
−2

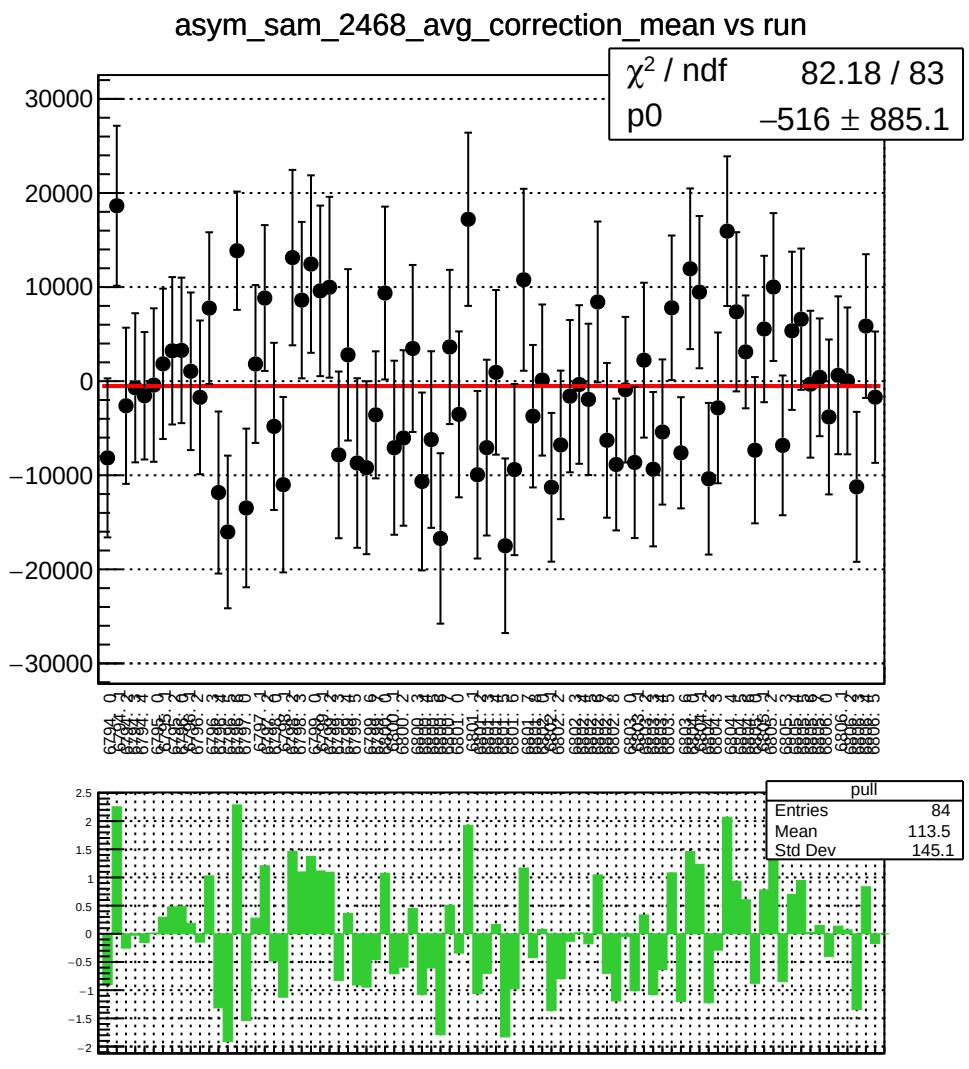

pull1D
Entries 84
Mean 0.01075
Std Dev 0.967
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

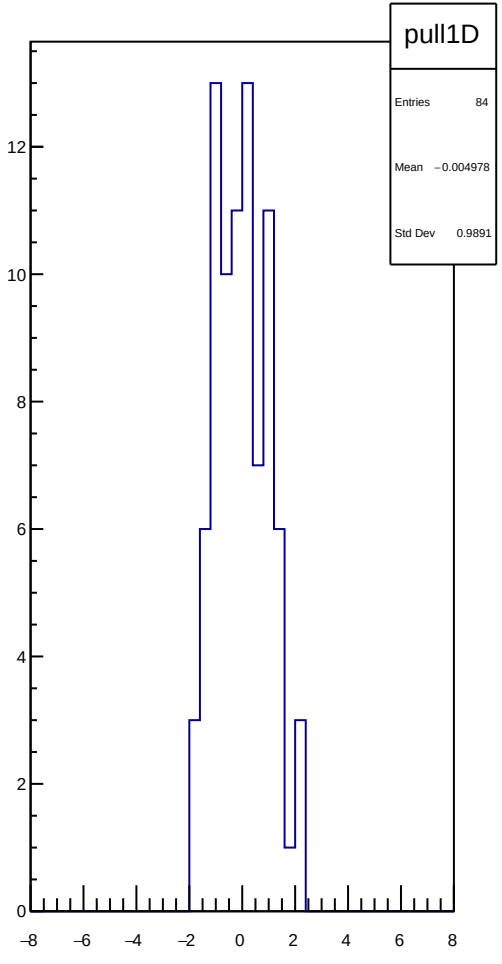

asym_sam_1357_avg_rms vs run
χ² / ndf 9332 / 83
p0 411.6 ± 0.3239
500
480
460
440
420
400
380
360
340

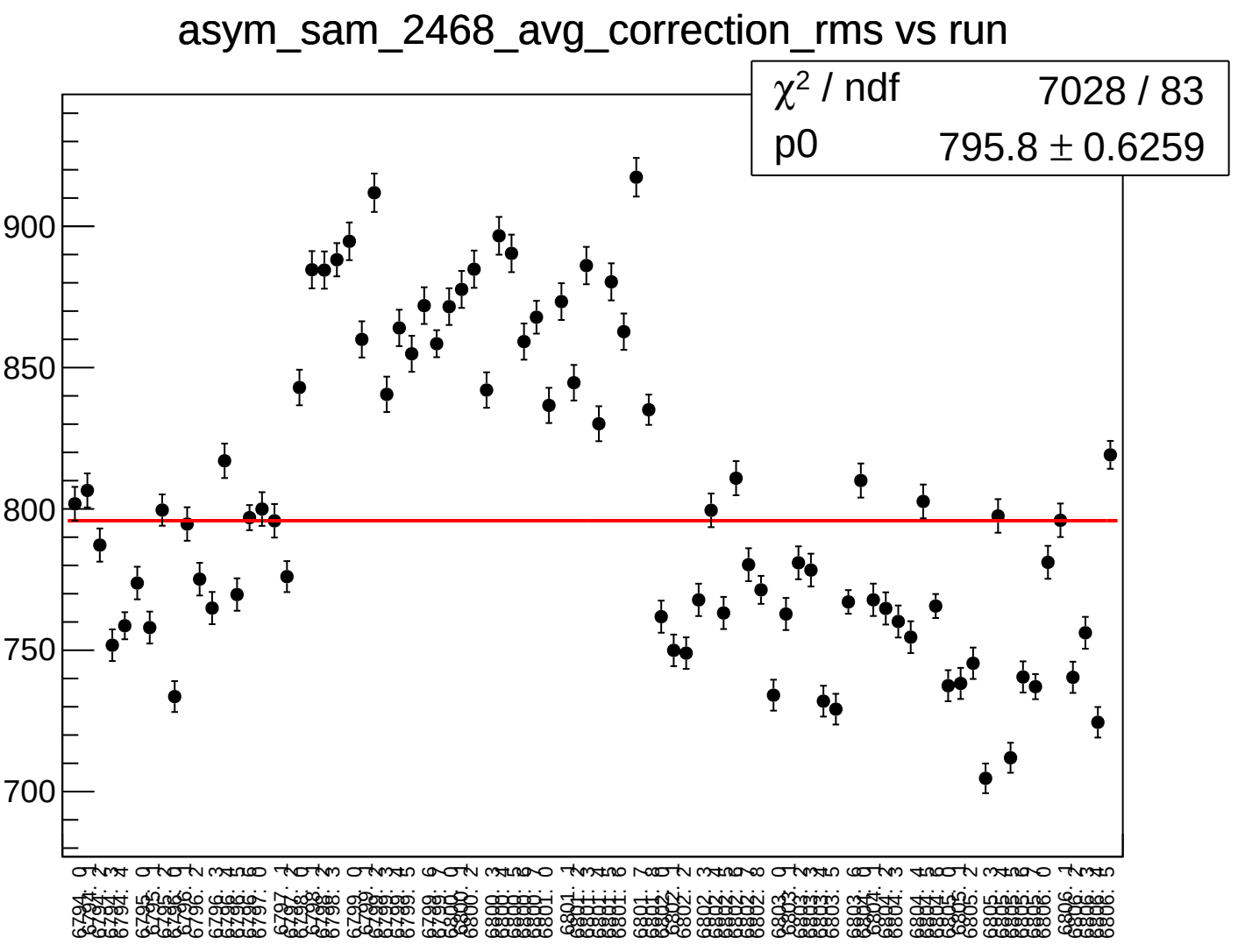

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 77.36 / 83
p0 −220.2 ± 114.3
4000
2000
0
−2000
−4000
−6000
pull
Entries 84
Mean 8772
Std Dev 8723
2
1
0
−1
−2
−3

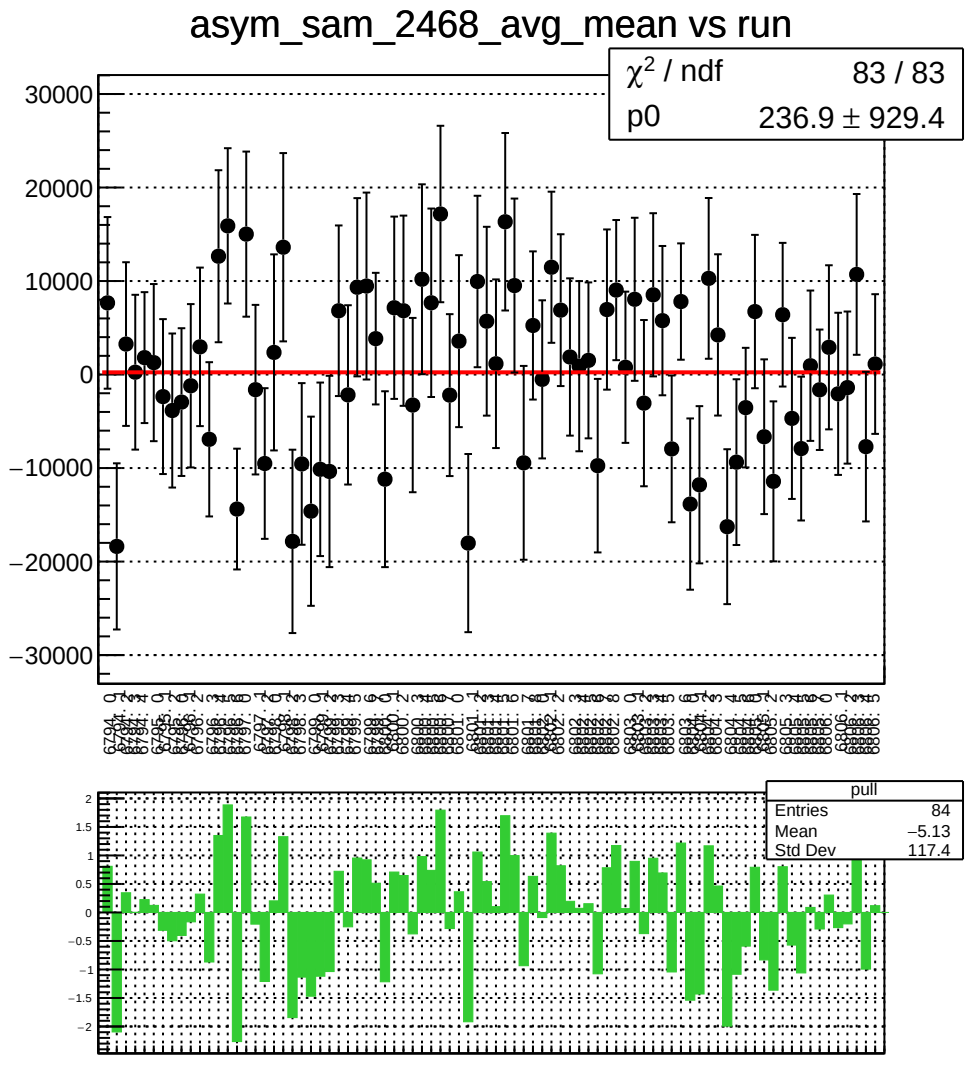

pull1D
Entries 84
Mean −0.0007389
Std Dev 0.9596
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

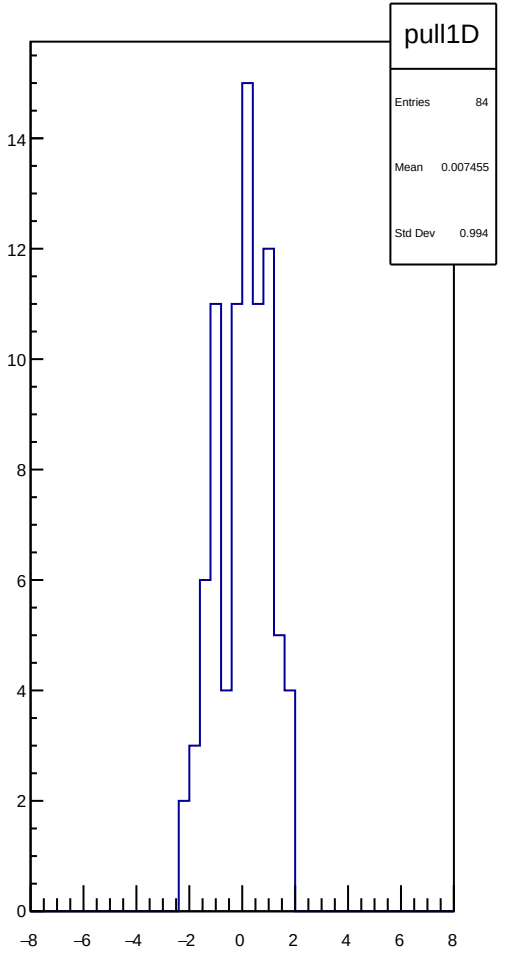

dit_asym_sam_2468_avg_rms vs run
χ^2 / ndf 2.694e+04 / 83
p0 102.1 ± 0.08083
260
240
220
200
180
160
140
120
100
80

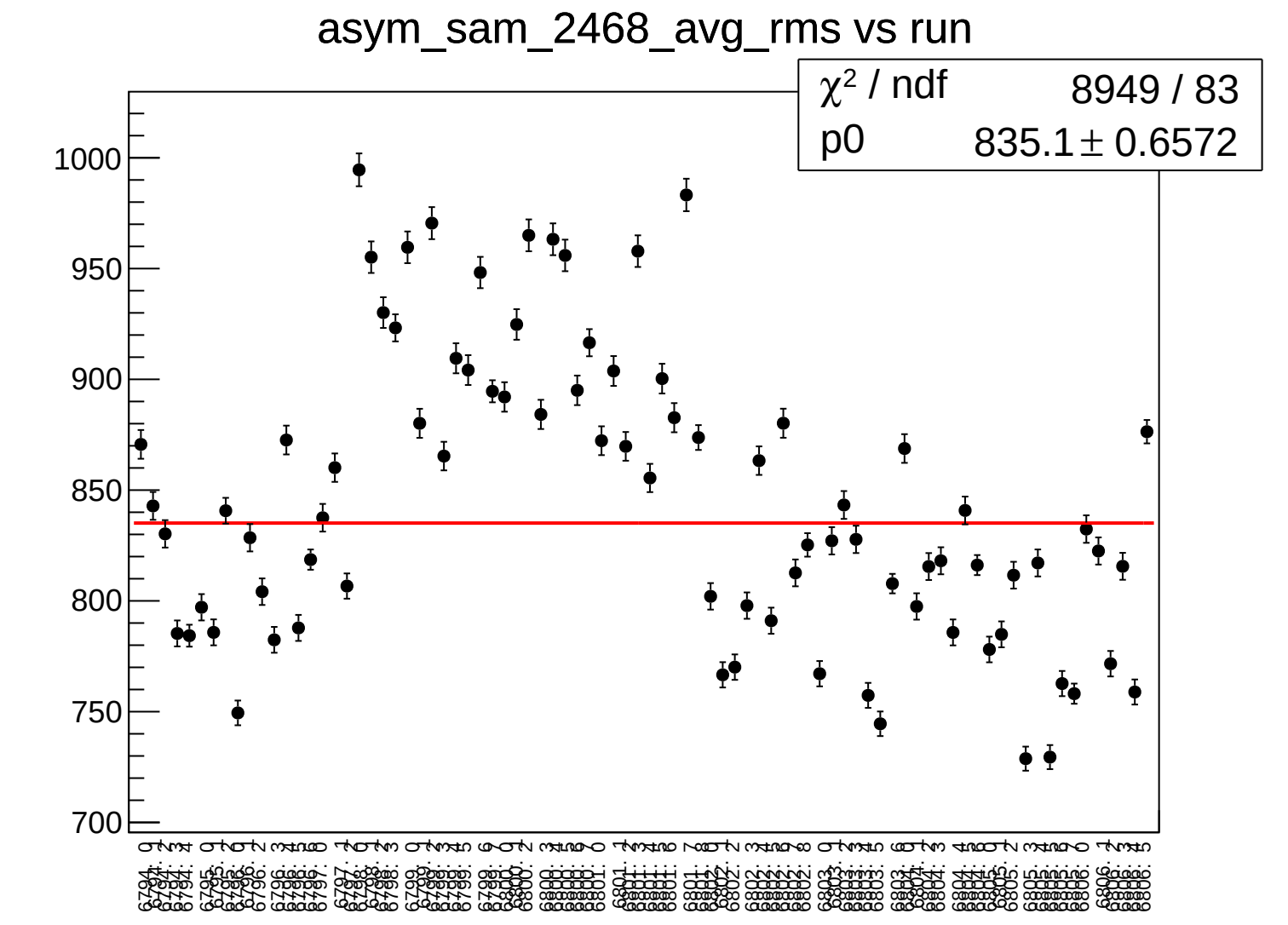

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 82.18 / 83
p0 −516 ± 885.1
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 84
Mean 113.5
Std Dev 145.1
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

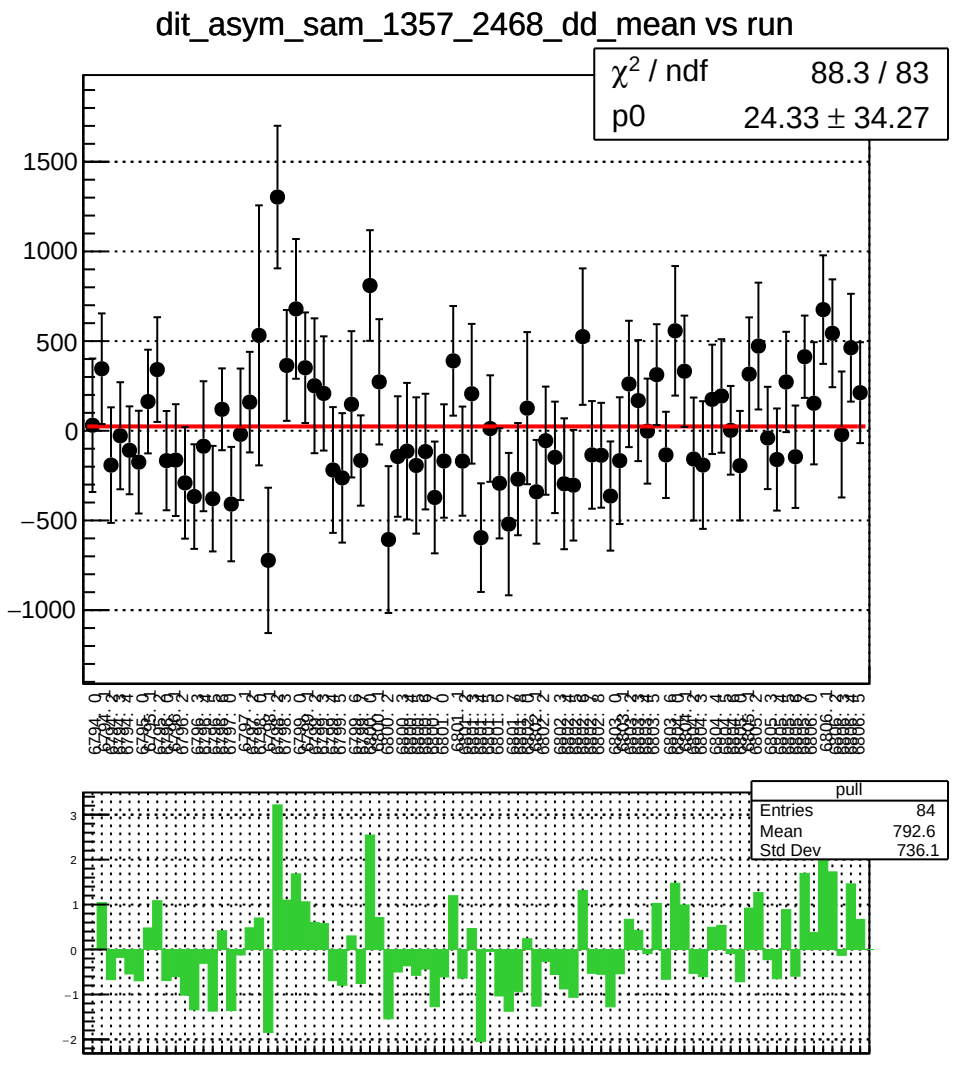

pull1D
Entries 84
Mean −0.004978
Std Dev 0.9891
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

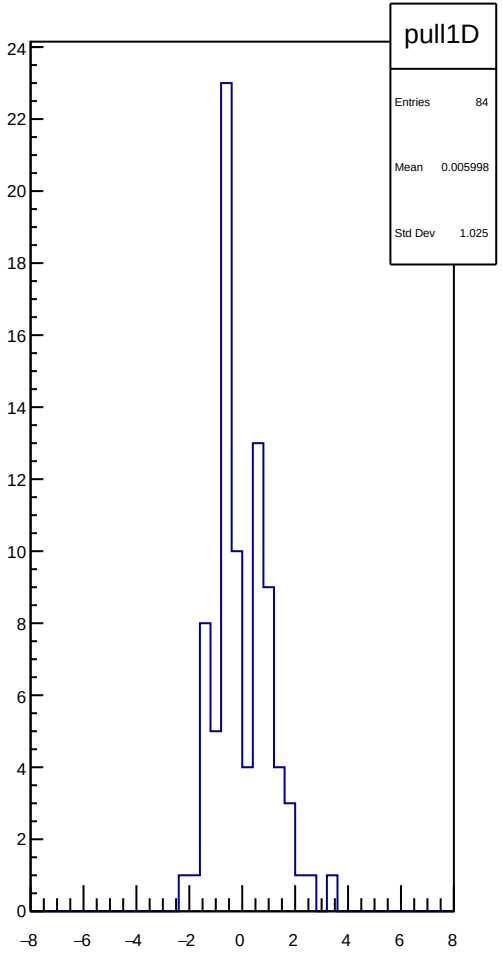

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 7028 / 83
p0 795.8 ± 0.6259
900
850
800
750
700

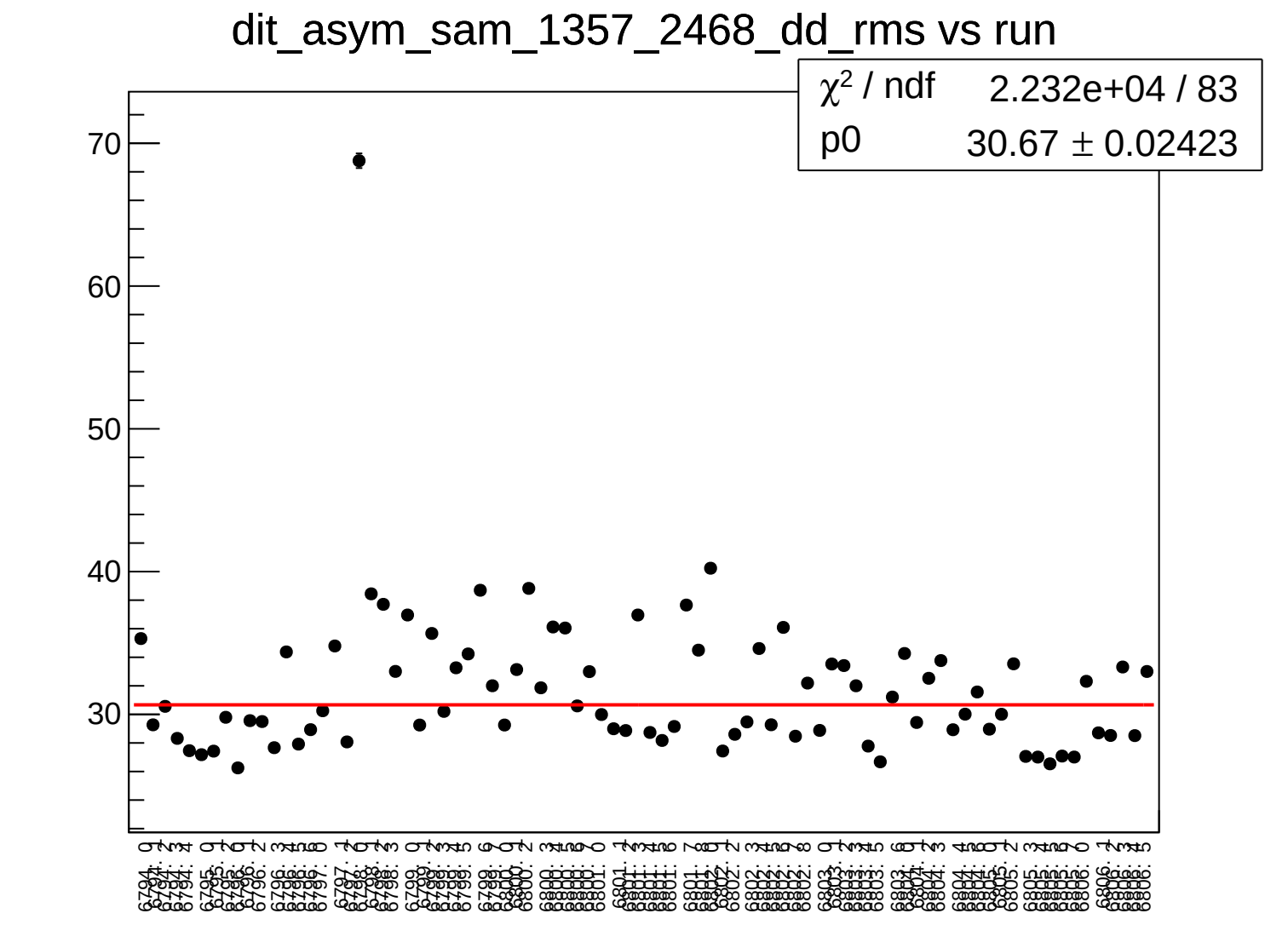

asym_sam_2468_avg_mean vs run
χ² / ndf 83 / 83
p0 236.9 ± 929.4
pull
Entries 84
Mean −5.13
Std Dev 117.4

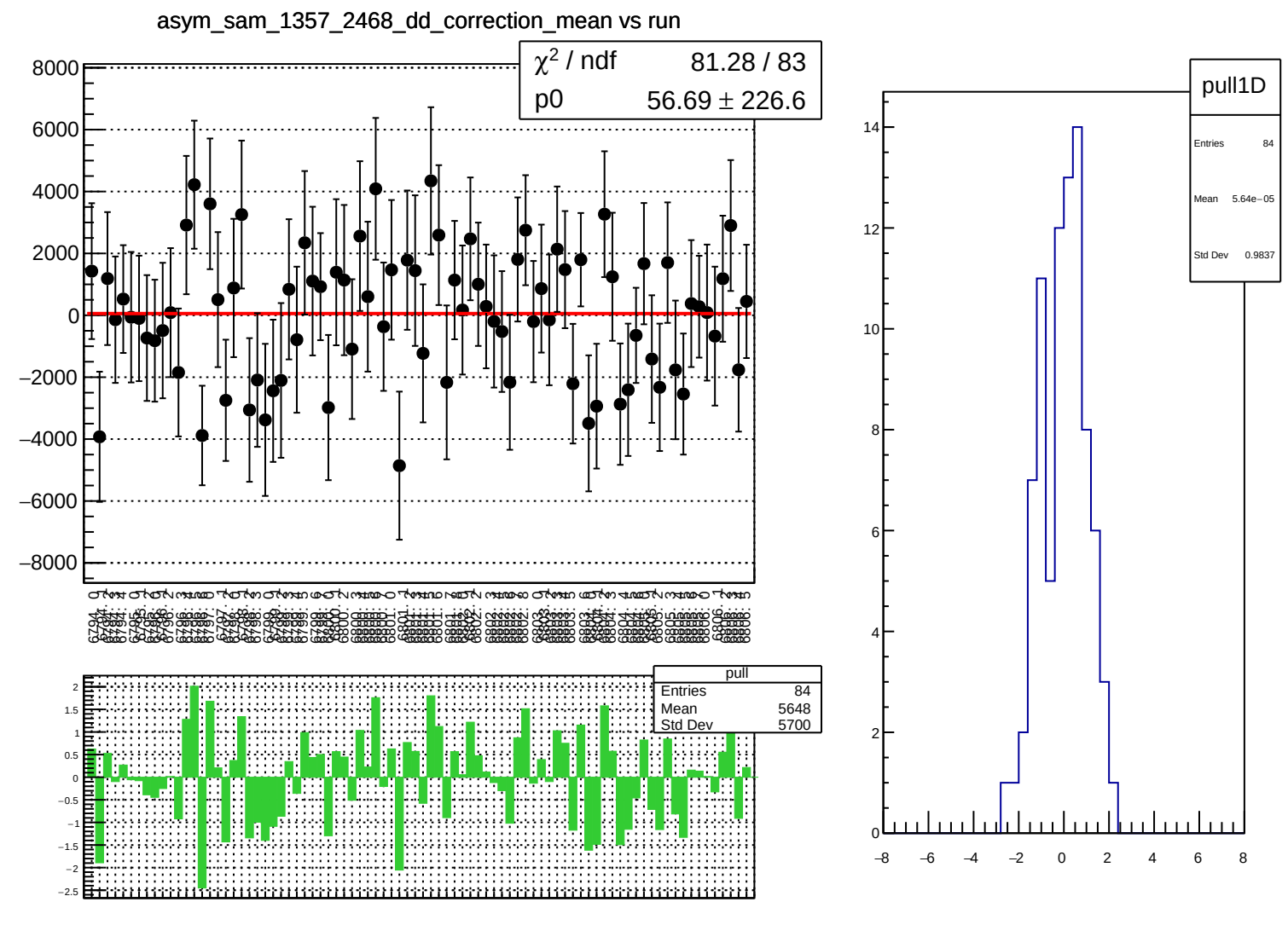

pull1D
Entries 84
Mean 0.007455
Std Dev 0.994

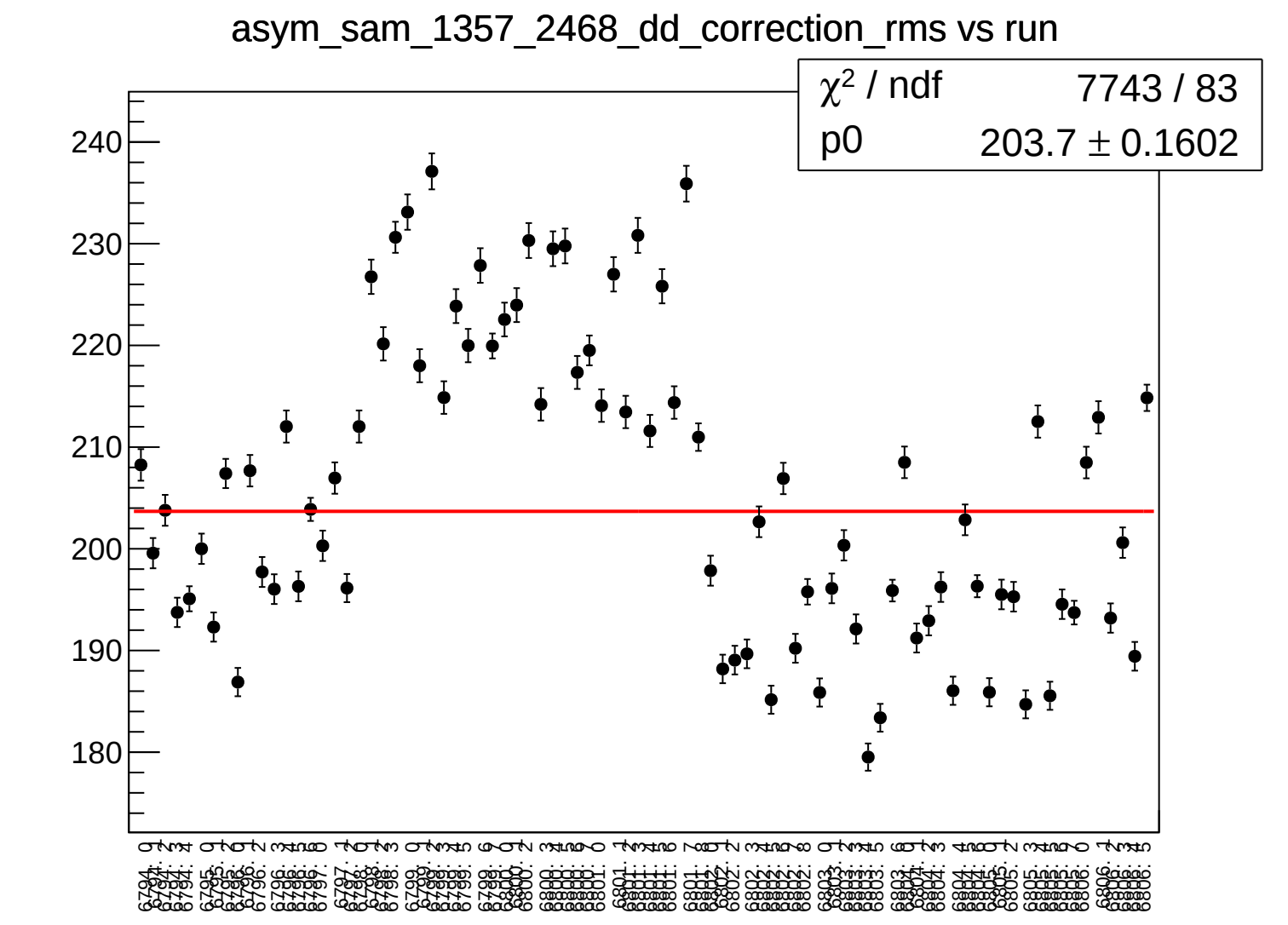

asym_sam_2468_avg_rms vs run
χ² / ndf 8949 / 83
p0 835.1 ± 0.6572
1000
950
900
850
800
750
700

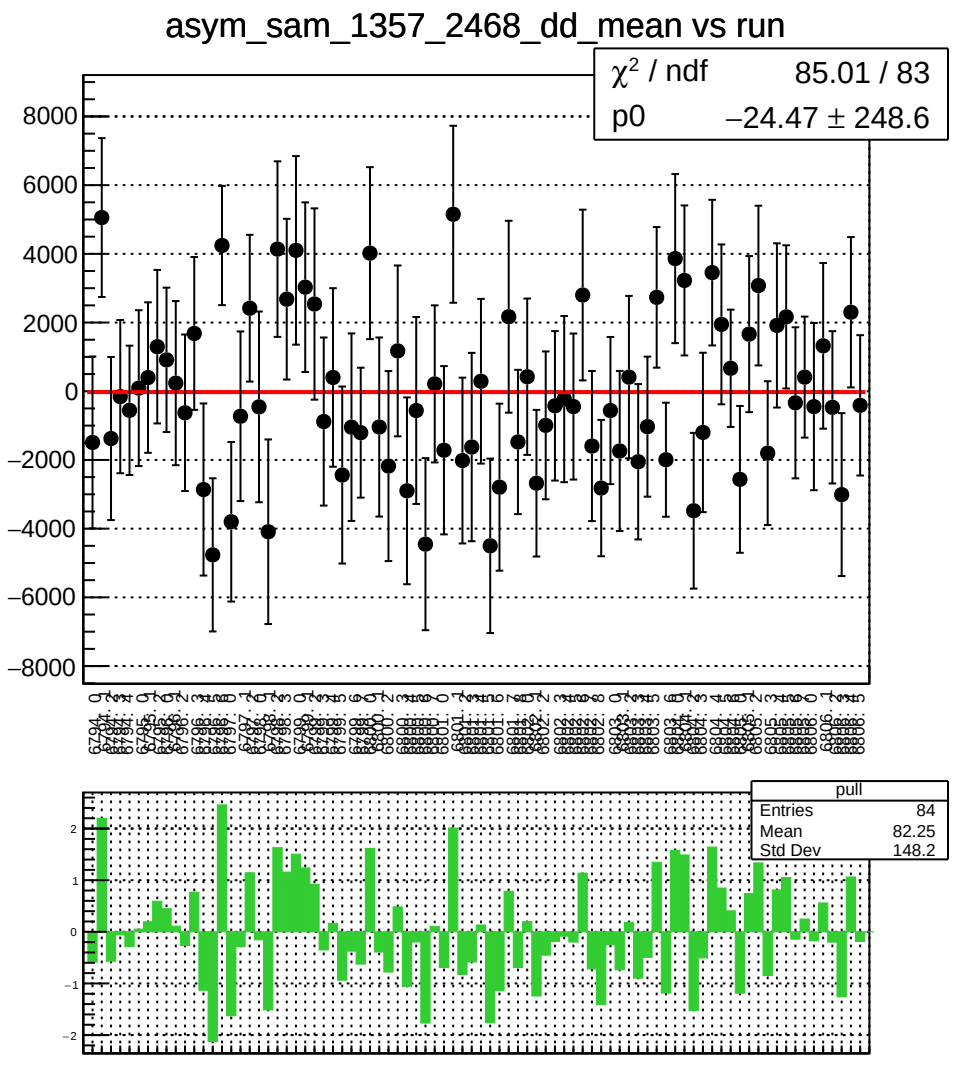

dit_asym_sam_1357_2468_dd_mean vs run
χ^2 / ndf 88.3 / 83
p0 24.33 ± 34.27
1500
1000
500
0
−500
−1000
pull
Entries 84
Mean 792.6
Std Dev 736.1
3
2
1
0
−1
−2

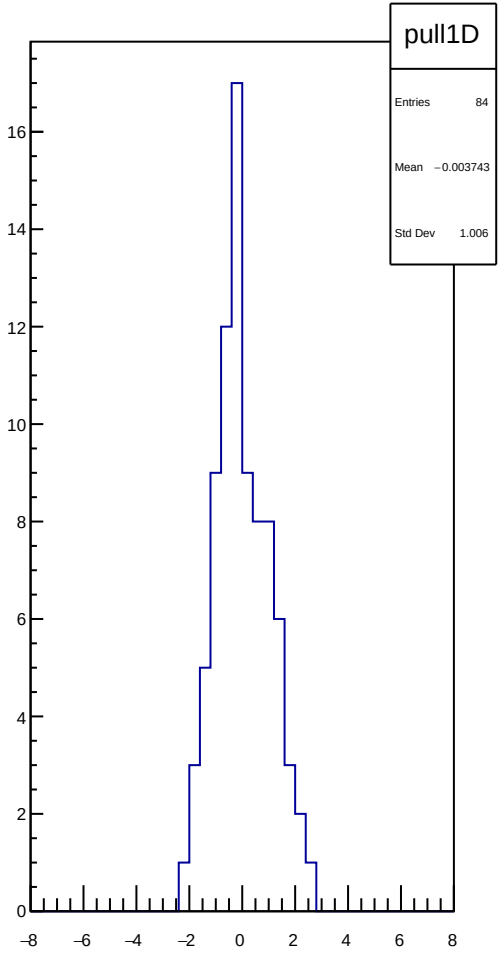

pull1D
Entries 84
Mean 0.005998
Std Dev 1.025
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

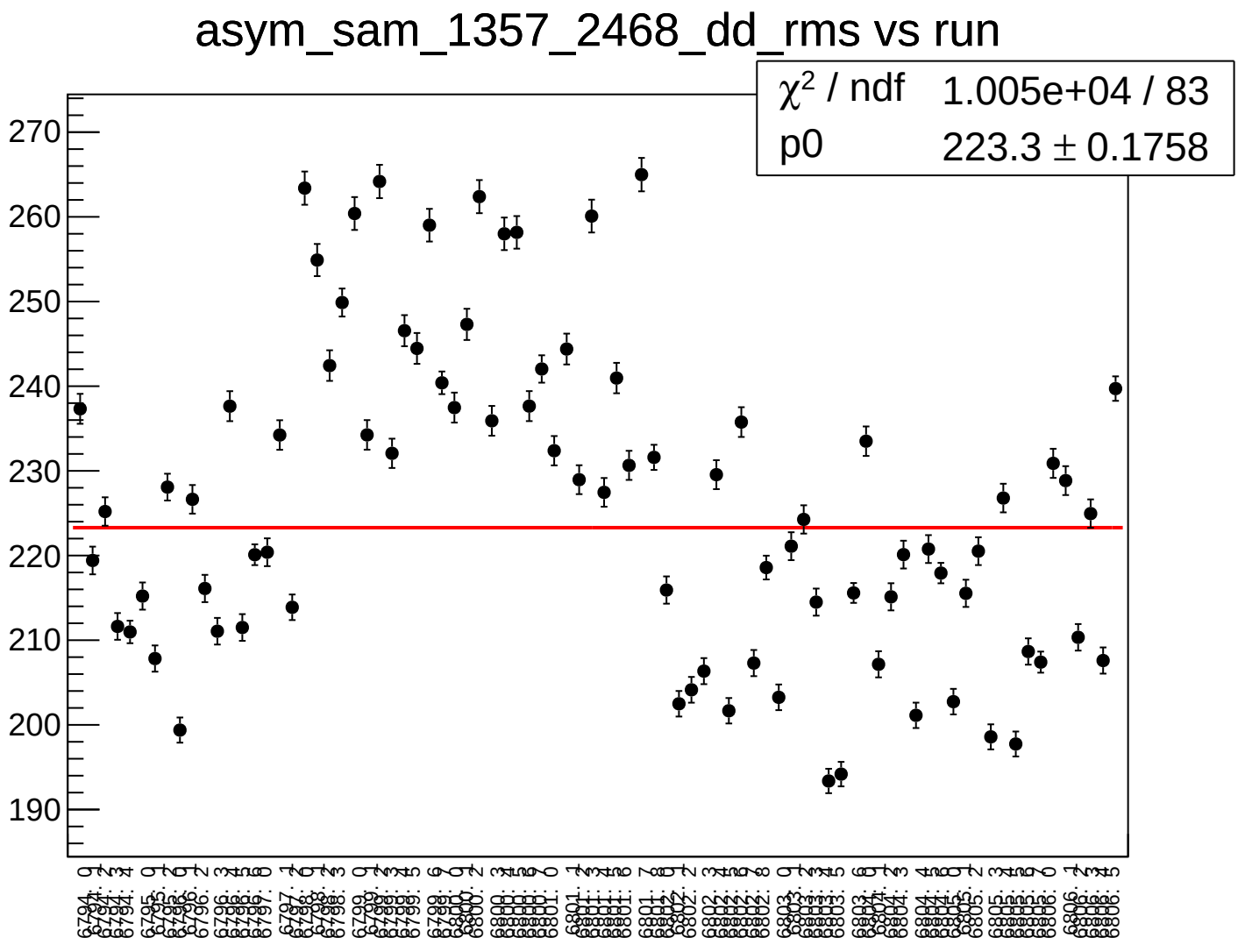

dit_asym_sam_1357_2468_dd_rms vs run
χ^2 / ndf 2.232e+04 / 83
p0 30.67 ± 0.02423
70
60
50
40
30

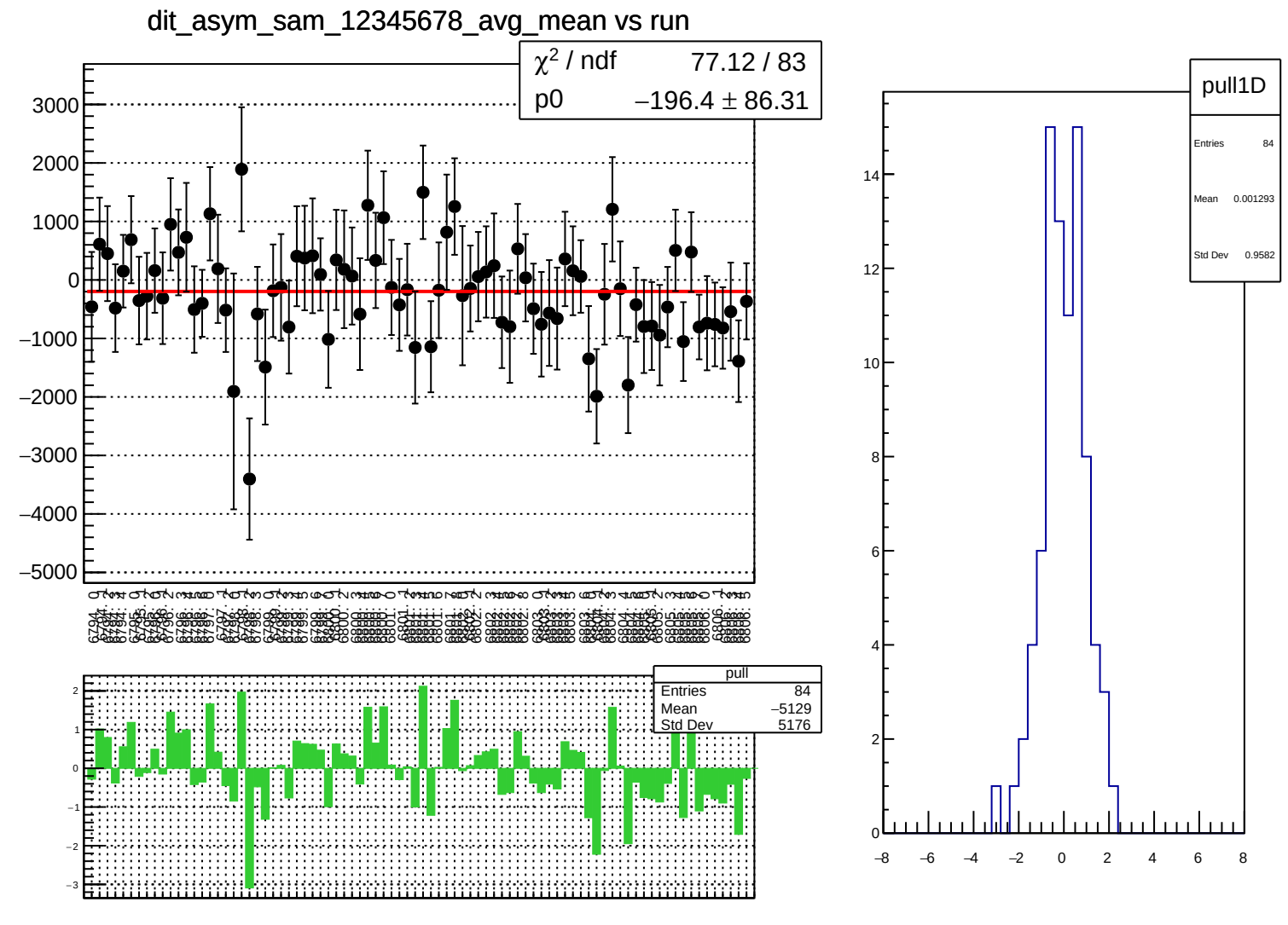

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 81.28 / 83
p0 56.69 ± 226.6
pull
Entries 84
Mean 5648
Std Dev 5700
pull1D
Entries 84
Mean 5.64e−05
Std Dev 0.9837

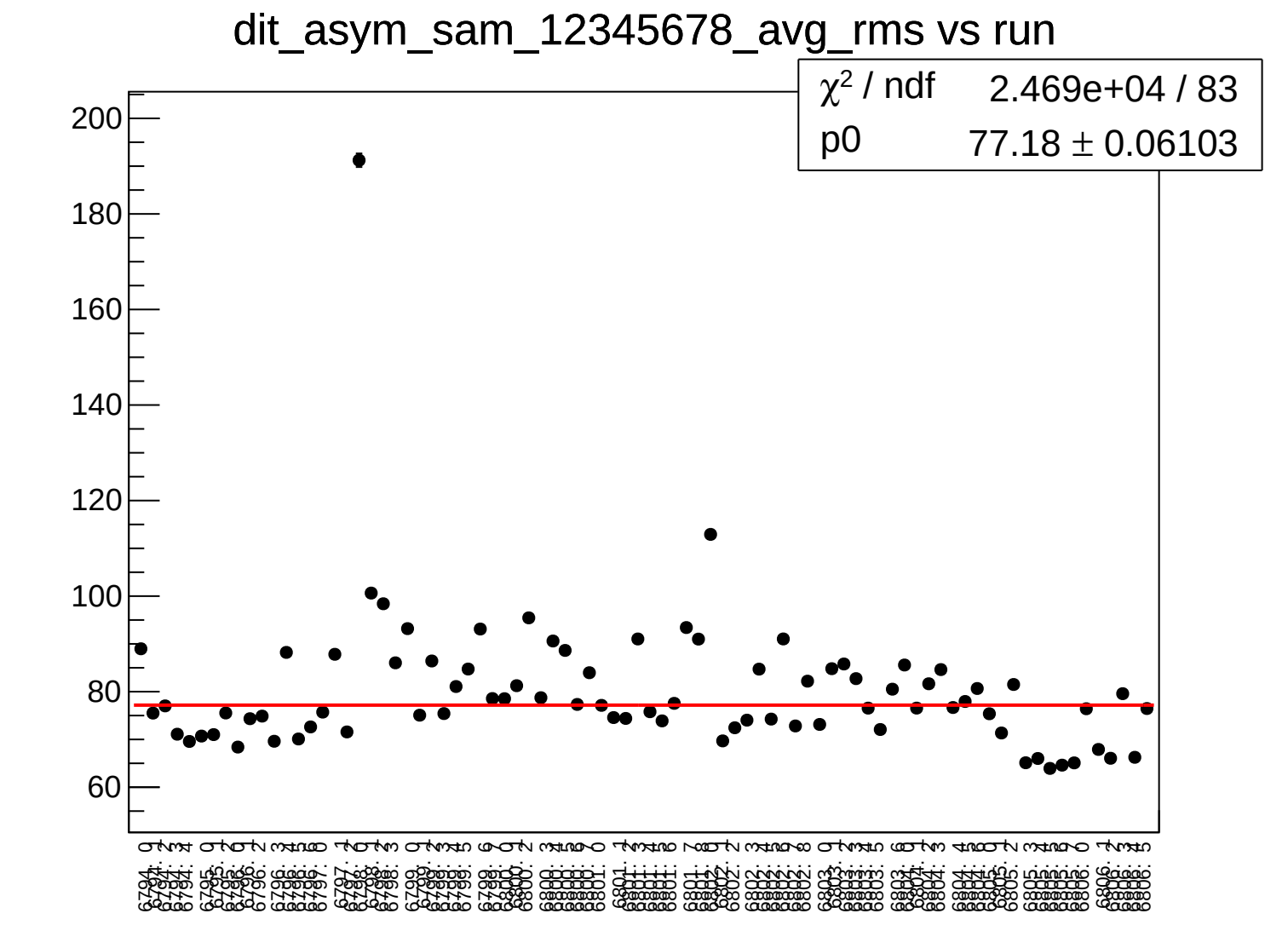

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 7743 / 83
p0 203.7 ± 0.1602
240
230
220
210
200
190
180

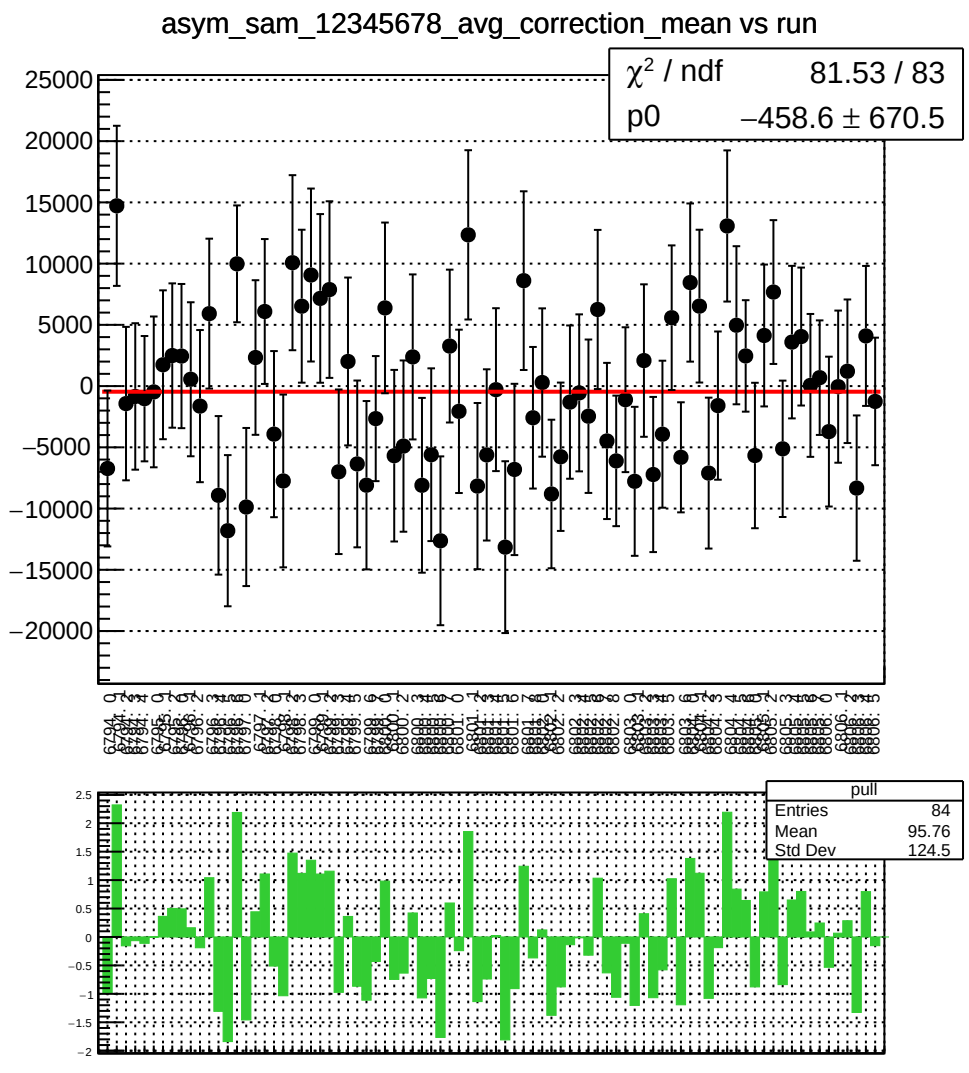

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 85.01 / 83
p0 −24.47 ± 248.6
pull
Entries 84
Mean 82.25
Std Dev 148.2

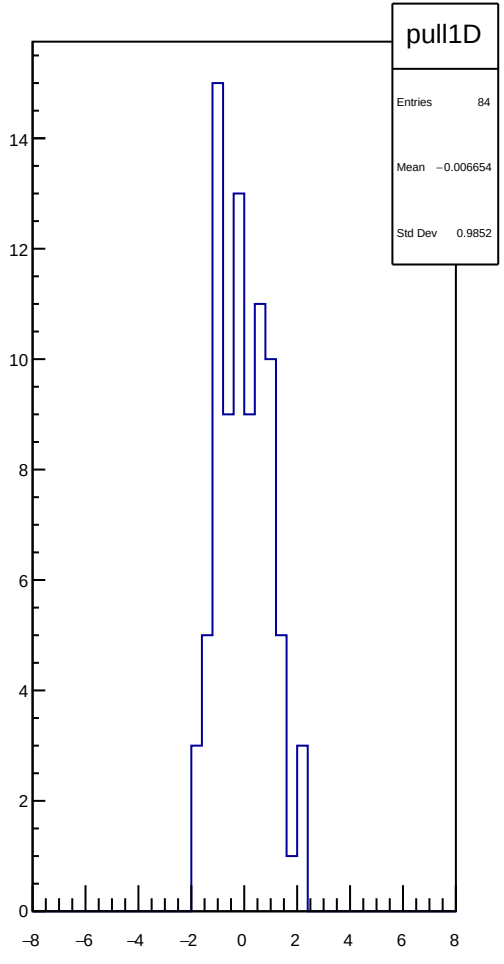

pull1D
Entries 84
Mean −0.003743
Std Dev 1.006

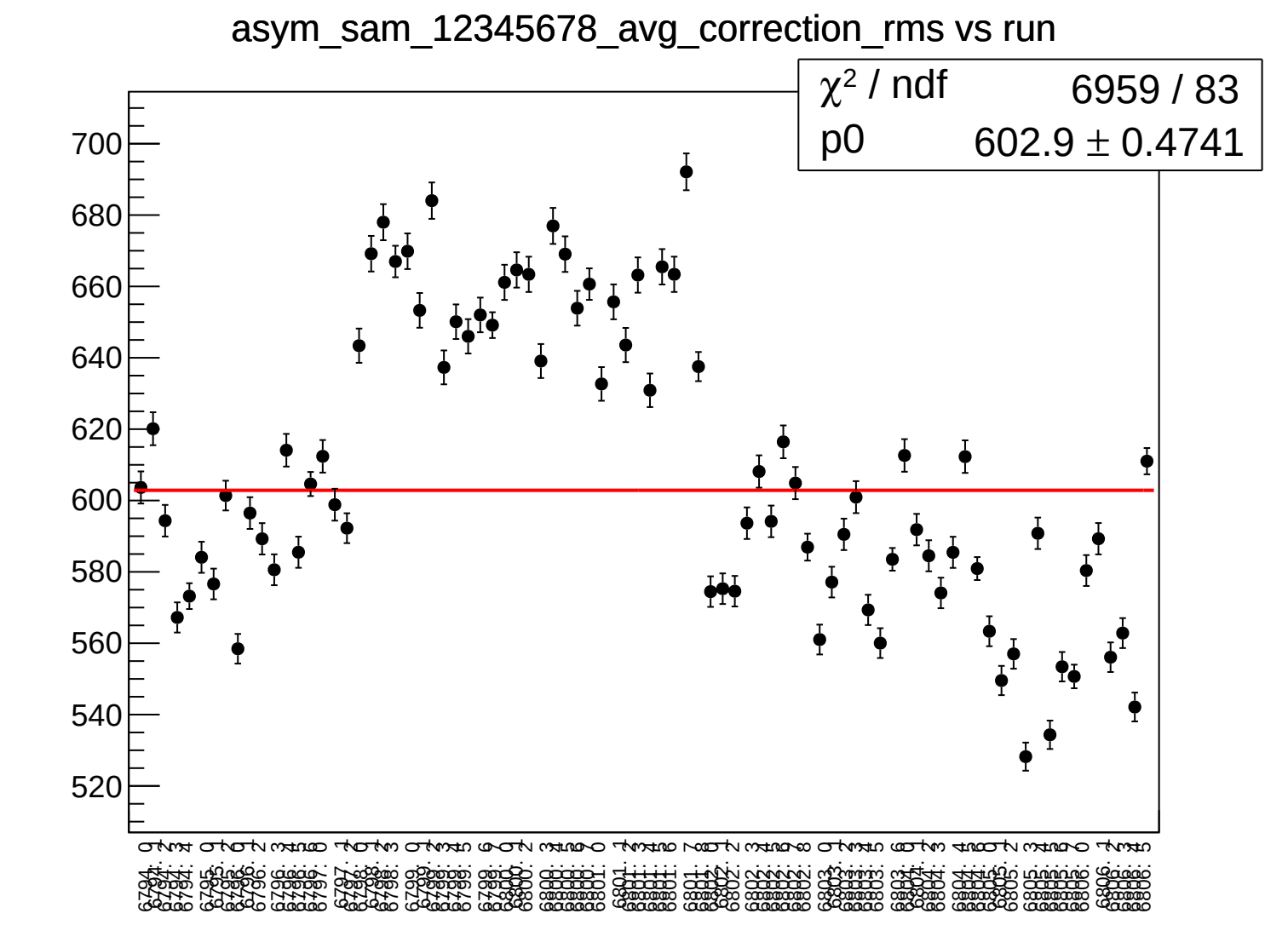

asym_sam_1357_2468_dd_rms vs run
χ^2 / ndf 1.005e+04 / 83
p0 223.3 ± 0.1758
270
260
250
240
230
220
210
200
190

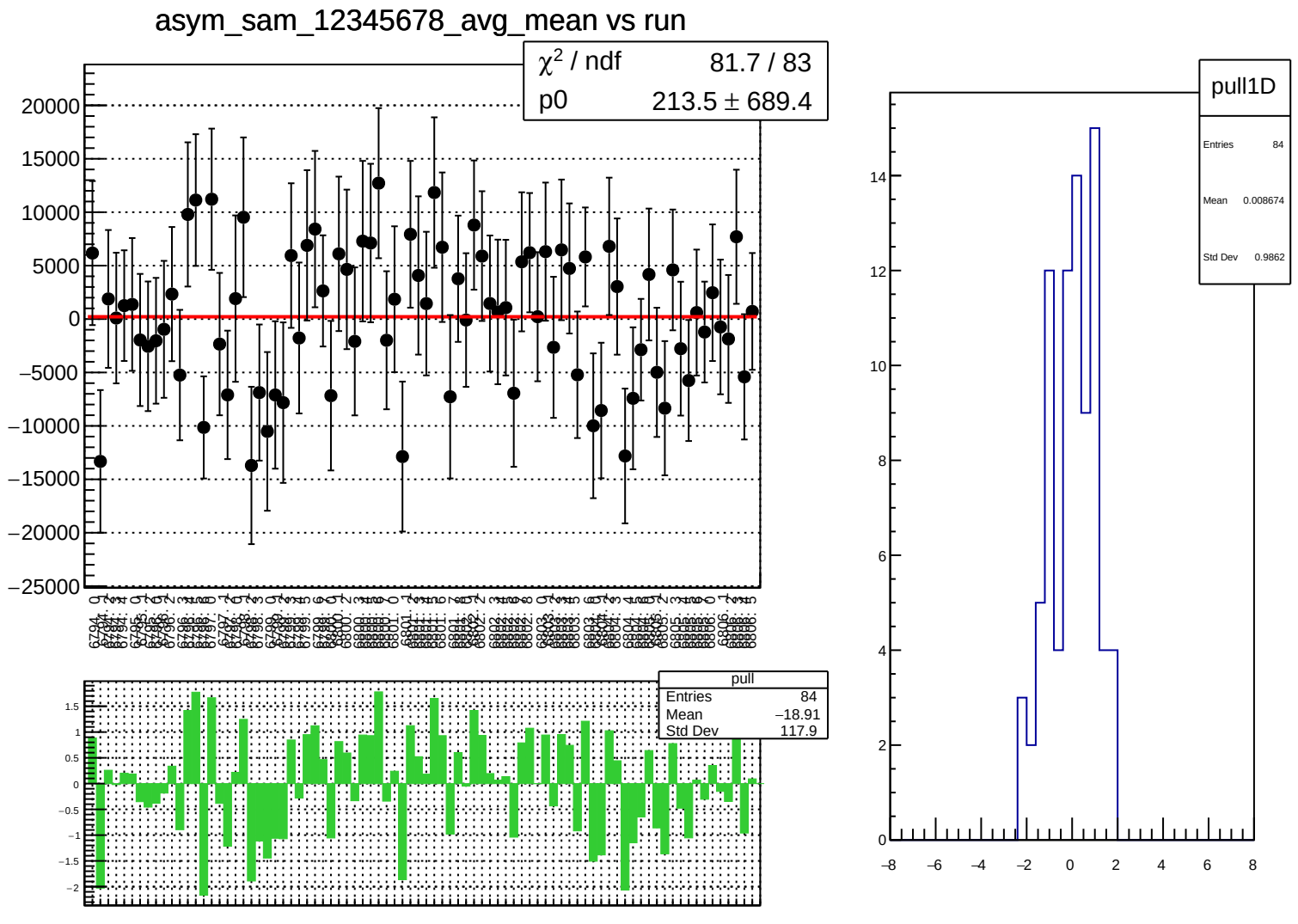

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 77.12 / 83
p0 −196.4 ± 86.31
3000
2000
1000
0
−1000
−2000
−3000
−4000
−5000
pull
Entries 84
Mean −5129
Std Dev 5176
2
1
0
−1
−2
−3
pull1D
Entries 84
Mean 0.001293
Std Dev 0.9582
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

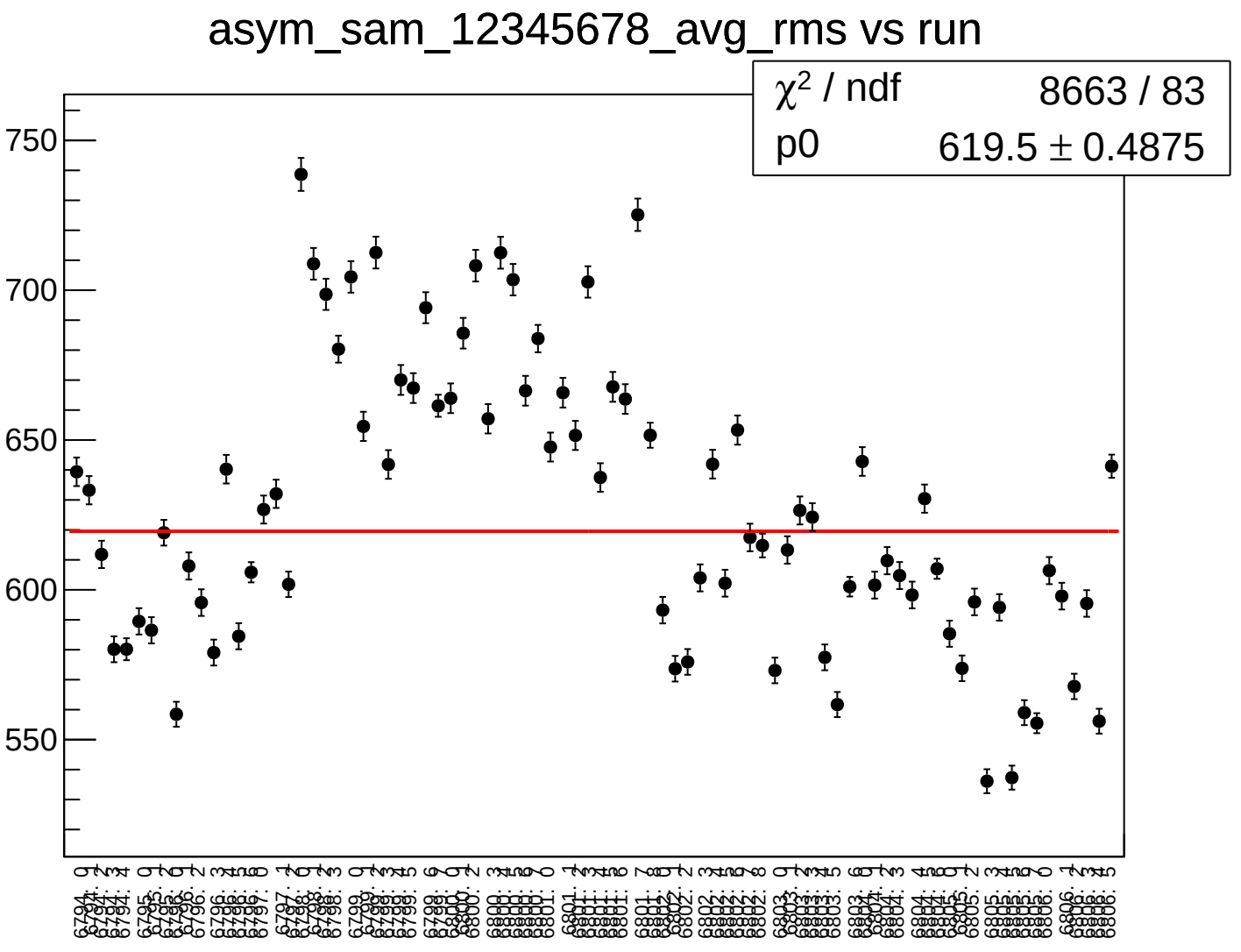

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 2.469e+04 / 83
p0 77.18 ± 0.06103
200
180
160
140
120
100
80
60

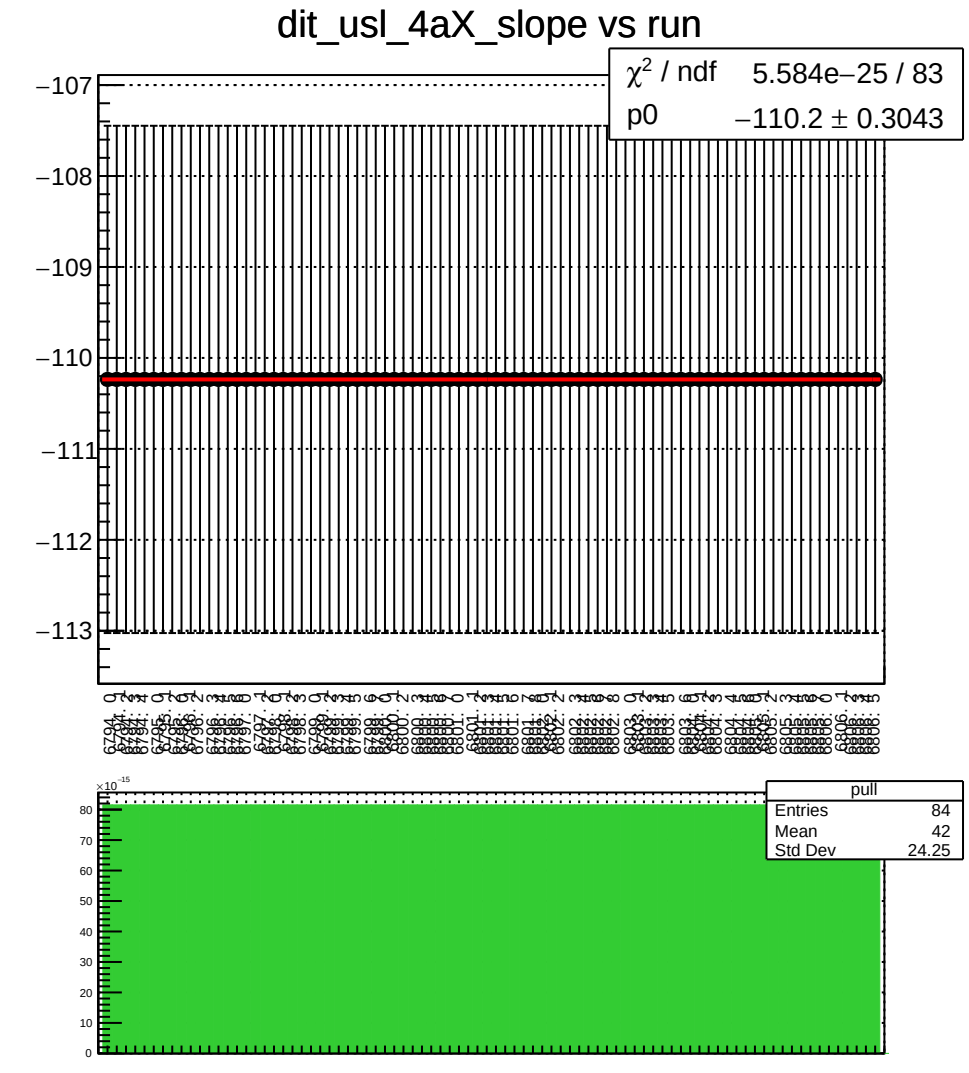

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 81.53 / 83
p0 −458.6 ± 670.5
pull
Entries 84
Mean 95.76
Std Dev 124.5

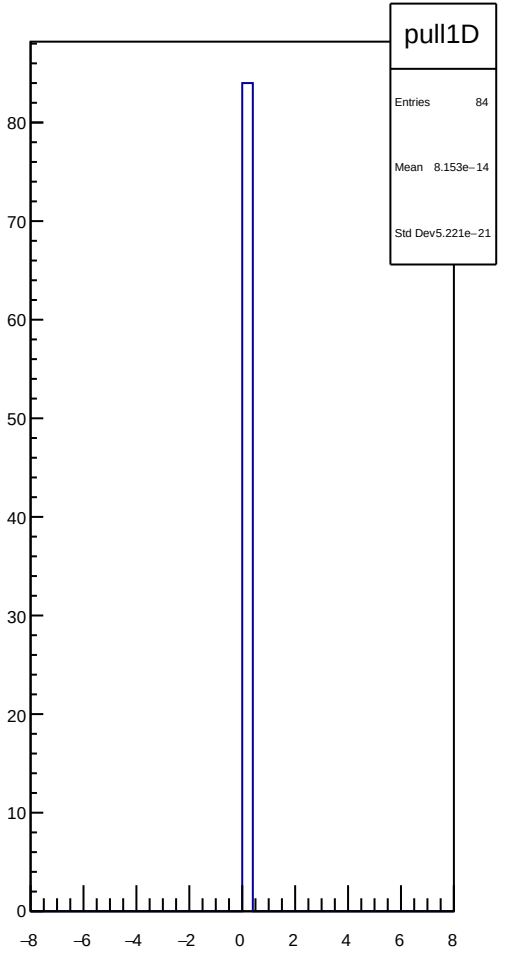

pull1D
Entries 84
Mean −0.006654
Std Dev 0.9852

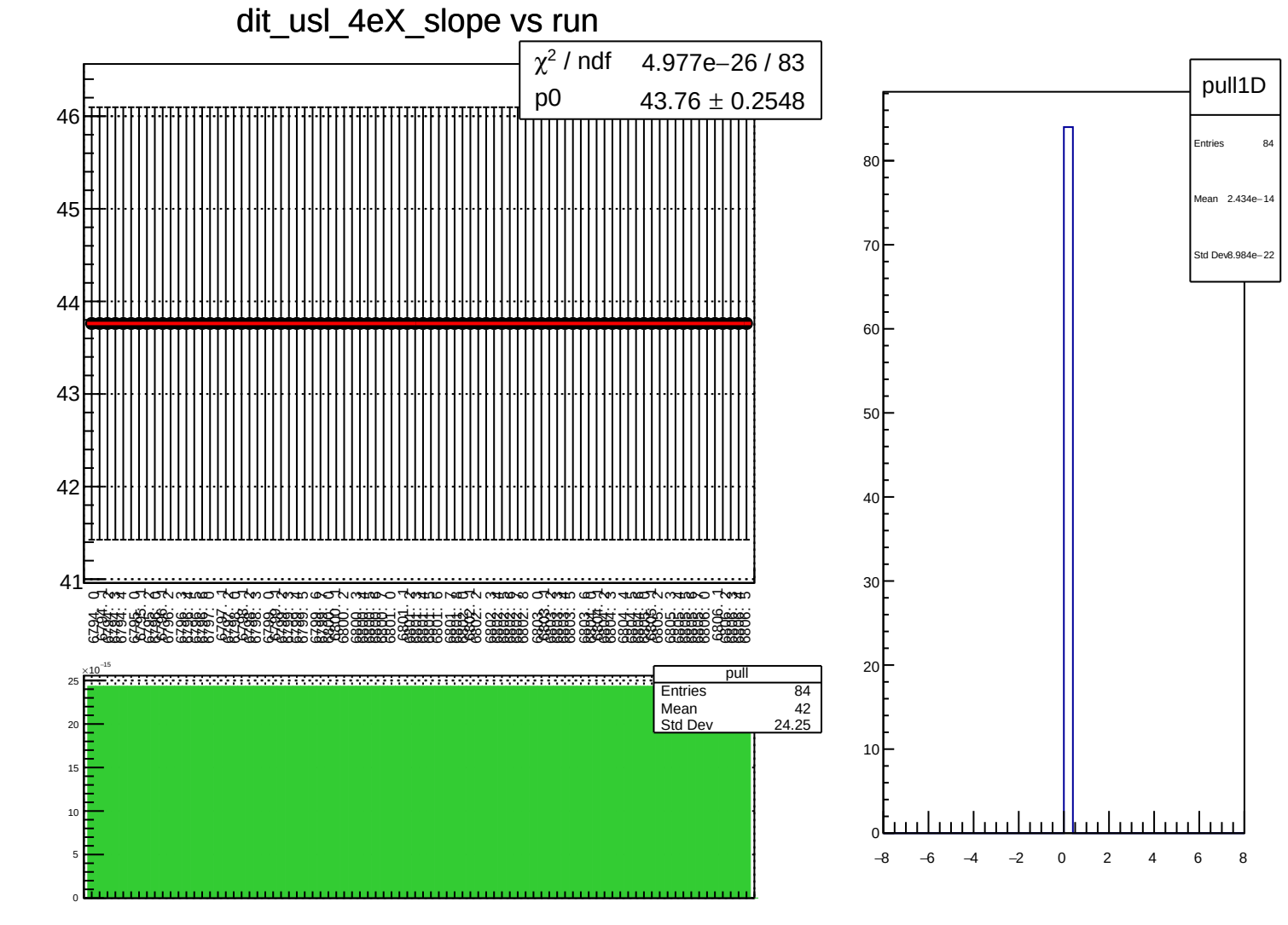

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 6959 / 83
p0 602.9 ± 0.4741
700
680
660
640
620
600
580
560
540
520

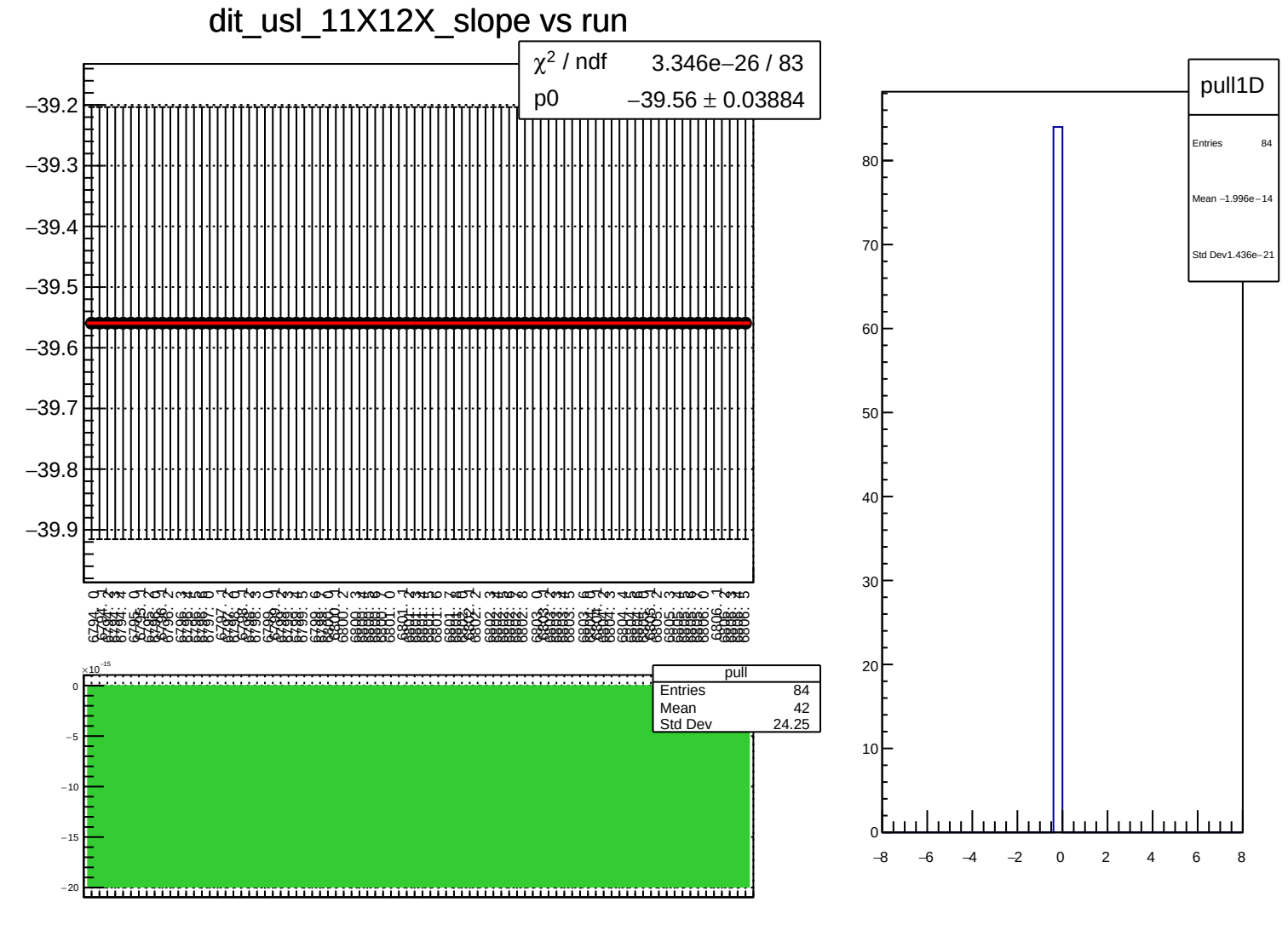

asym_sam_12345678_avg_mean vs run
χ² / ndf 81.7 / 83
p0 213.5 ± 689.4
pull
Entries 84
Mean −18.91
Std Dev 117.9
pull1D
Entries 84
Mean 0.008674
Std Dev 0.9862

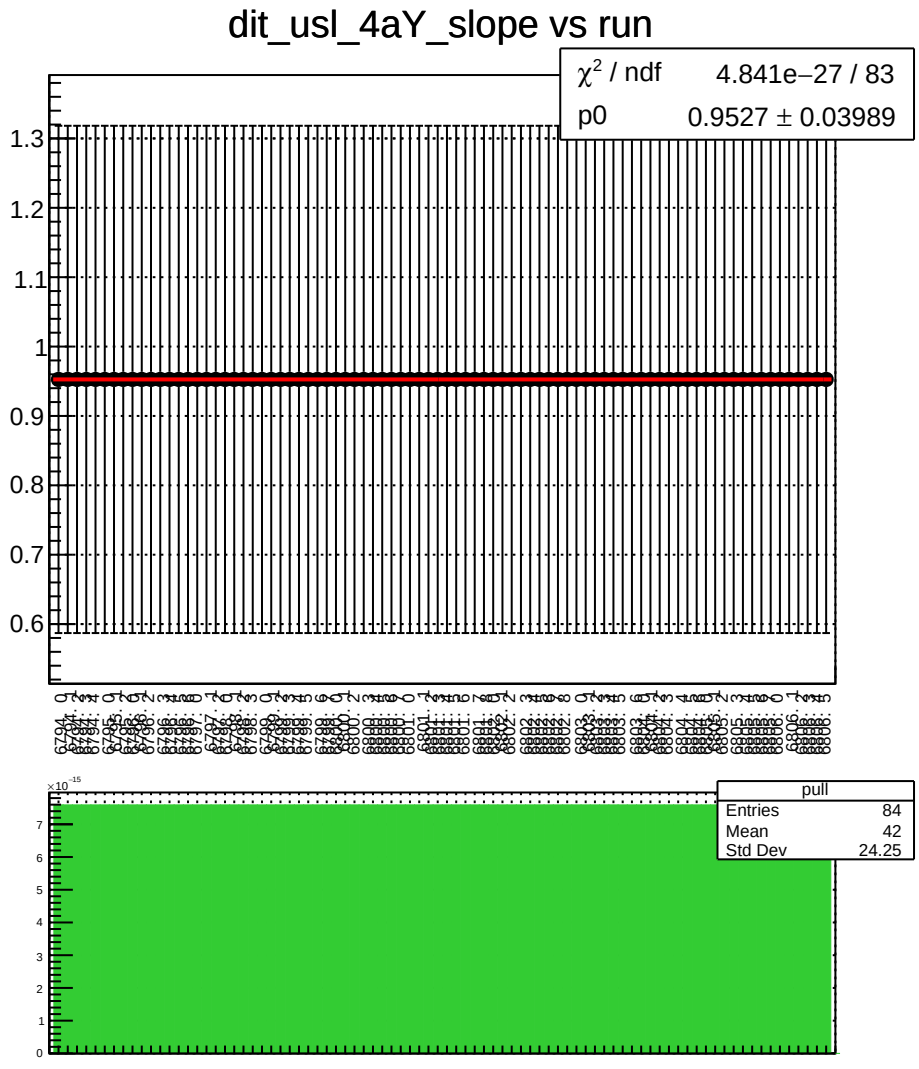

asym_sam_12345678_avg_rms vs run
χ² / ndf 8663 / 83
p0 619.5 ± 0.4875
750
700
650
600
550

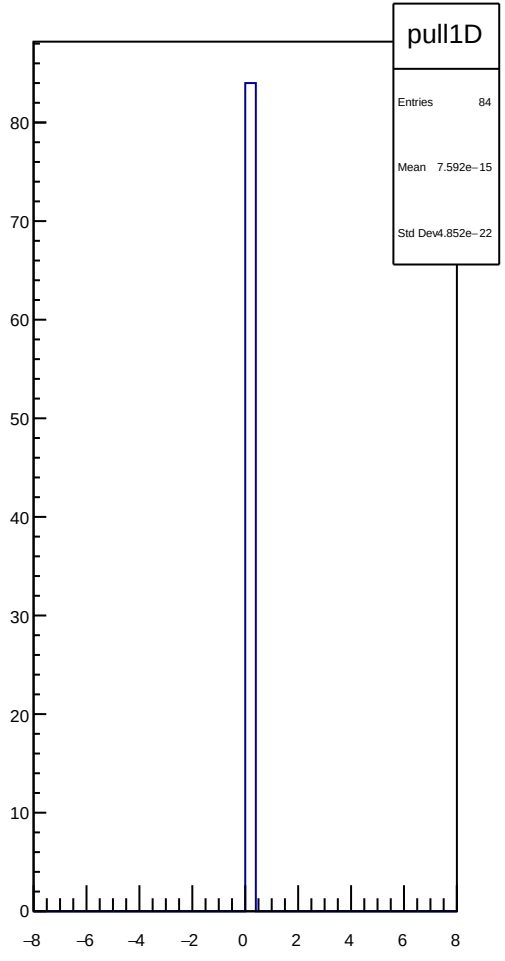

dit_usl_4aX_slope vs run
χ² / ndf 5.584e−25 / 83
p0 −110.2 ± 0.3043
pull
Entries 84
Mean 42
Std Dev 24.25

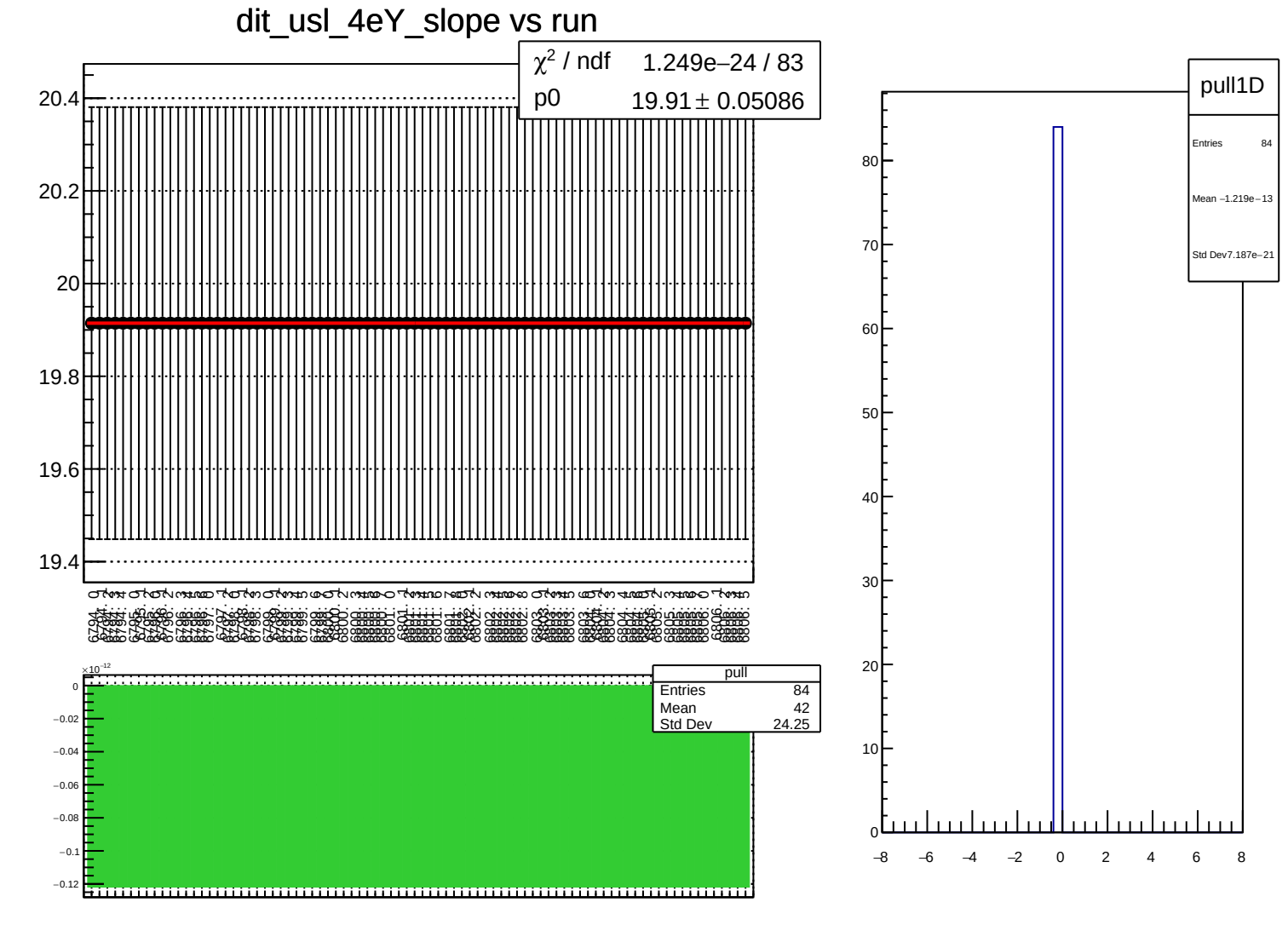

pull1D
Entries 84
Mean 8.153e−14
Std Dev5.221e−21

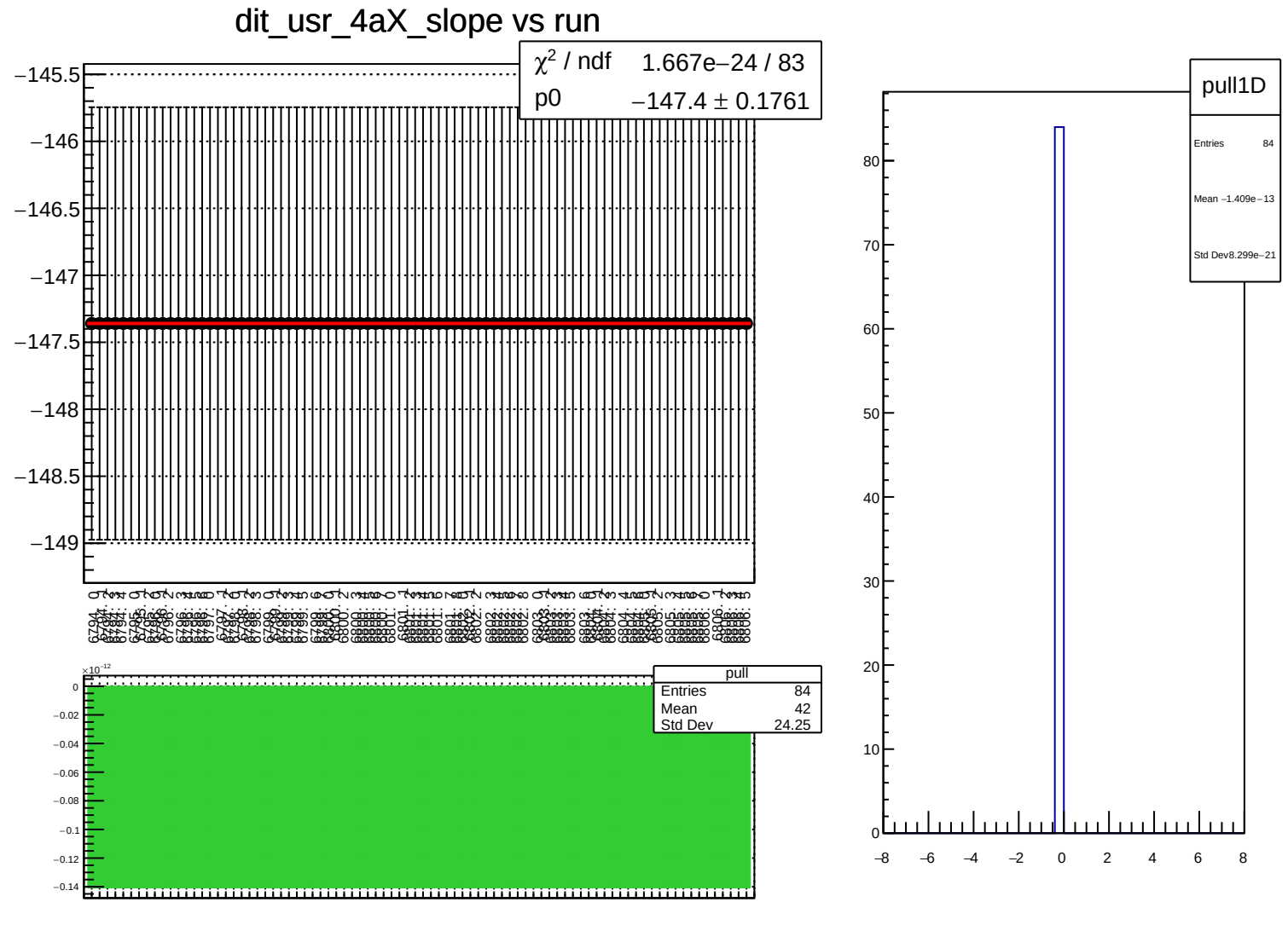

dit_usl_4eX_slope vs run
χ² / ndf 4.977e−26 / 83
p0 43.76 ± 0.2548
pull
Entries 84
Mean 42
Std Dev 24.25
pull1D
Entries 84
Mean 2.434e−14
Std Dev 8.984e−22

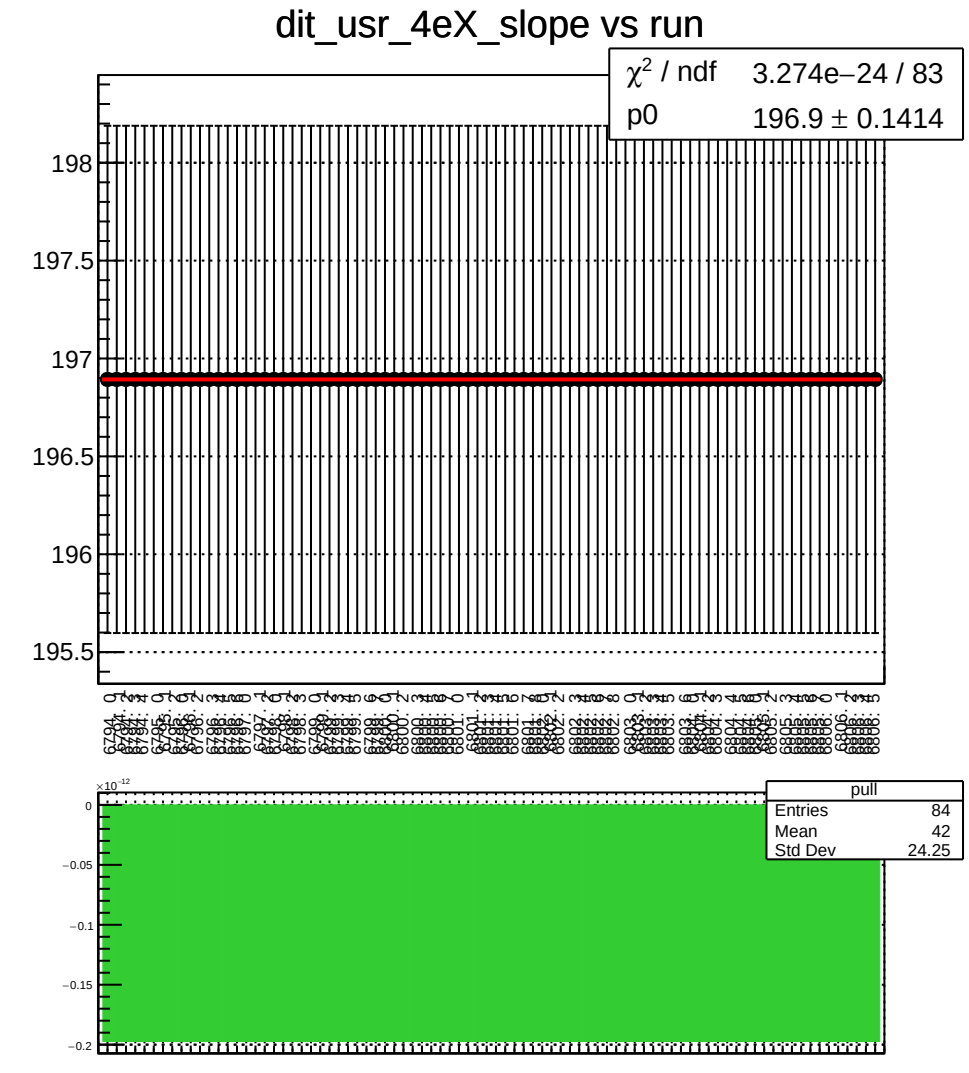

dit_usl_11X12X_slope vs run
χ² / ndf 3.346e−26 / 83
p0 −39.56 ± 0.03884
−39.2
−39.3
−39.4
−39.5
−39.6
−39.7
−39.8
−39.9
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−5
−10
−15
−20
pull1D
Entries 84
Mean −1.996e−14
Std Dev1.436e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

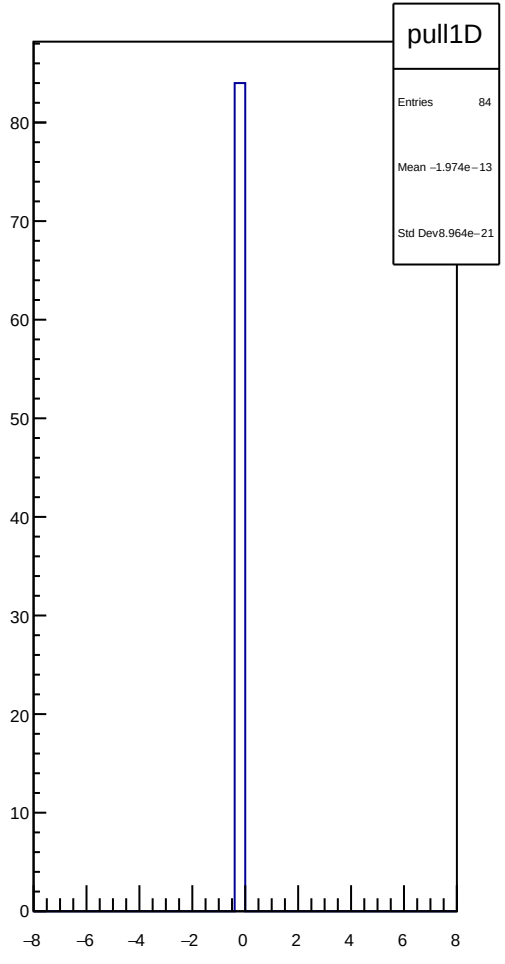

dit_usl_4aY_slope vs run
χ² / ndf 4.841e−27 / 83
p0 0.9527 ± 0.03989
pull
Entries 84
Mean 42
Std Dev 24.25

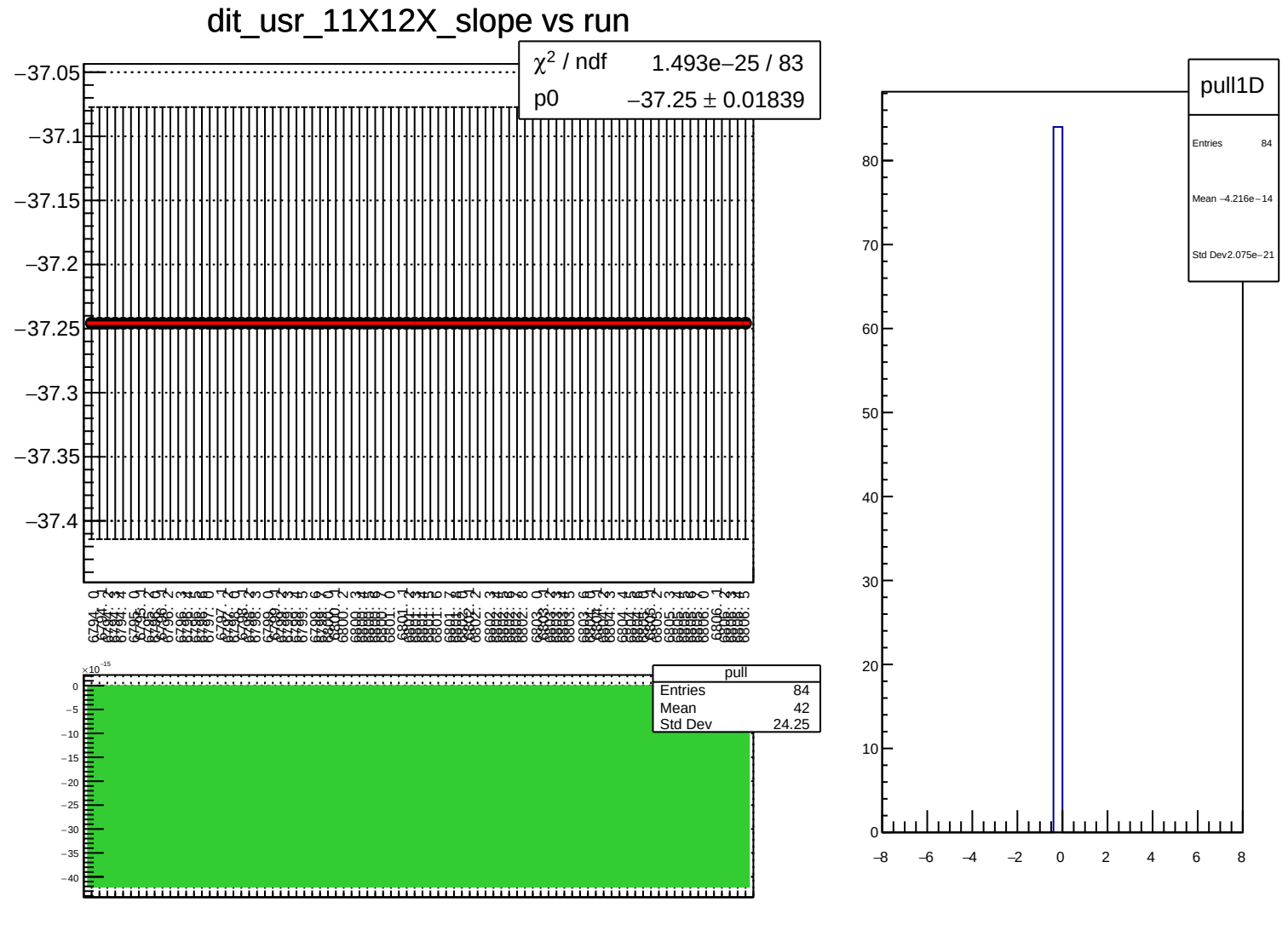

pull1D
Entries 84
Mean 7.592e−15
Std Dev 4.852e−22

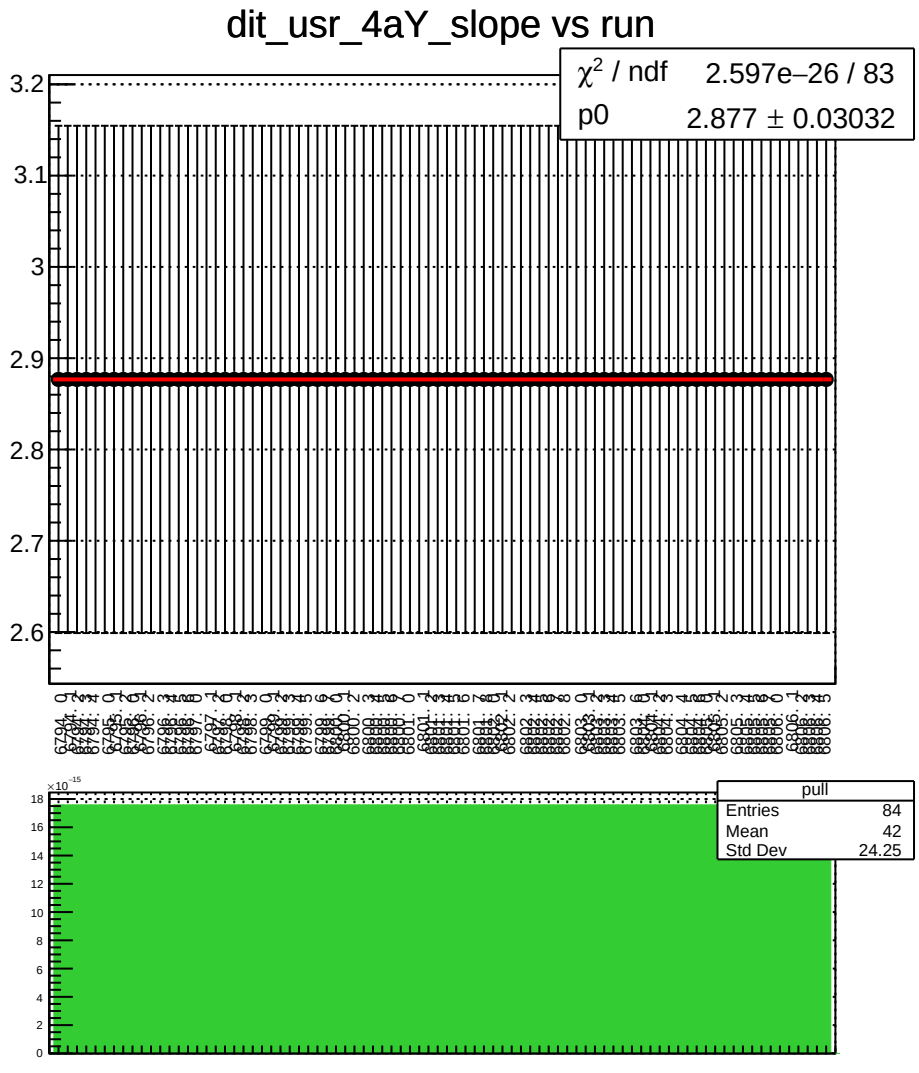

dit_usl_4eY_slope vs run
χ² / ndf 1.249e−24 / 83
p0 19.91 ± 0.05086
20.4
20.2
20
19.8
19.6
19.4
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
pull1D
Entries 84
Mean −1.219e−13
Std Dev7.187e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

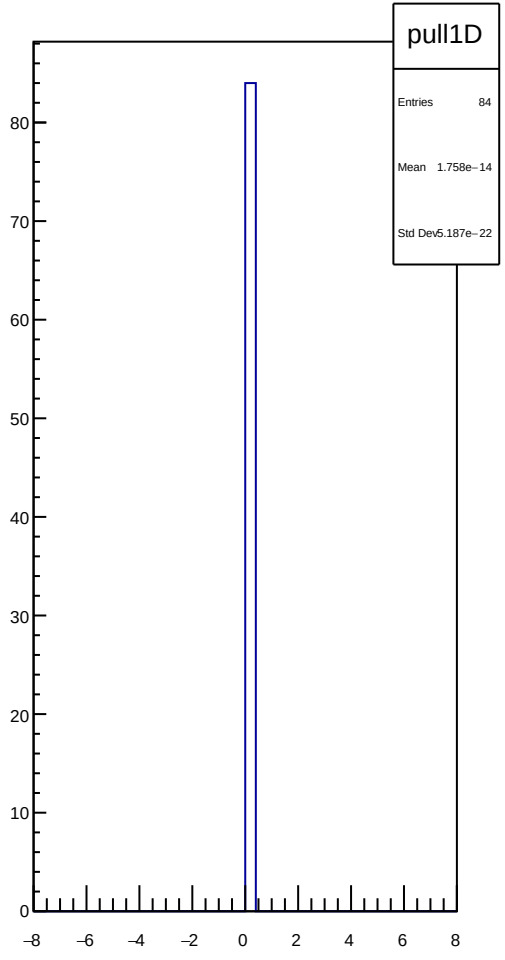

dit_usr_4aX_slope vs run
χ² / ndf 1.667e−24 / 83
p0 −147.4 ± 0.1761
−145.5
−146
−146.5
−147
−147.5
−148
−148.5
−149
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
pull1D
Entries 84
Mean −1.409e−13
Std Dev8.299e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6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

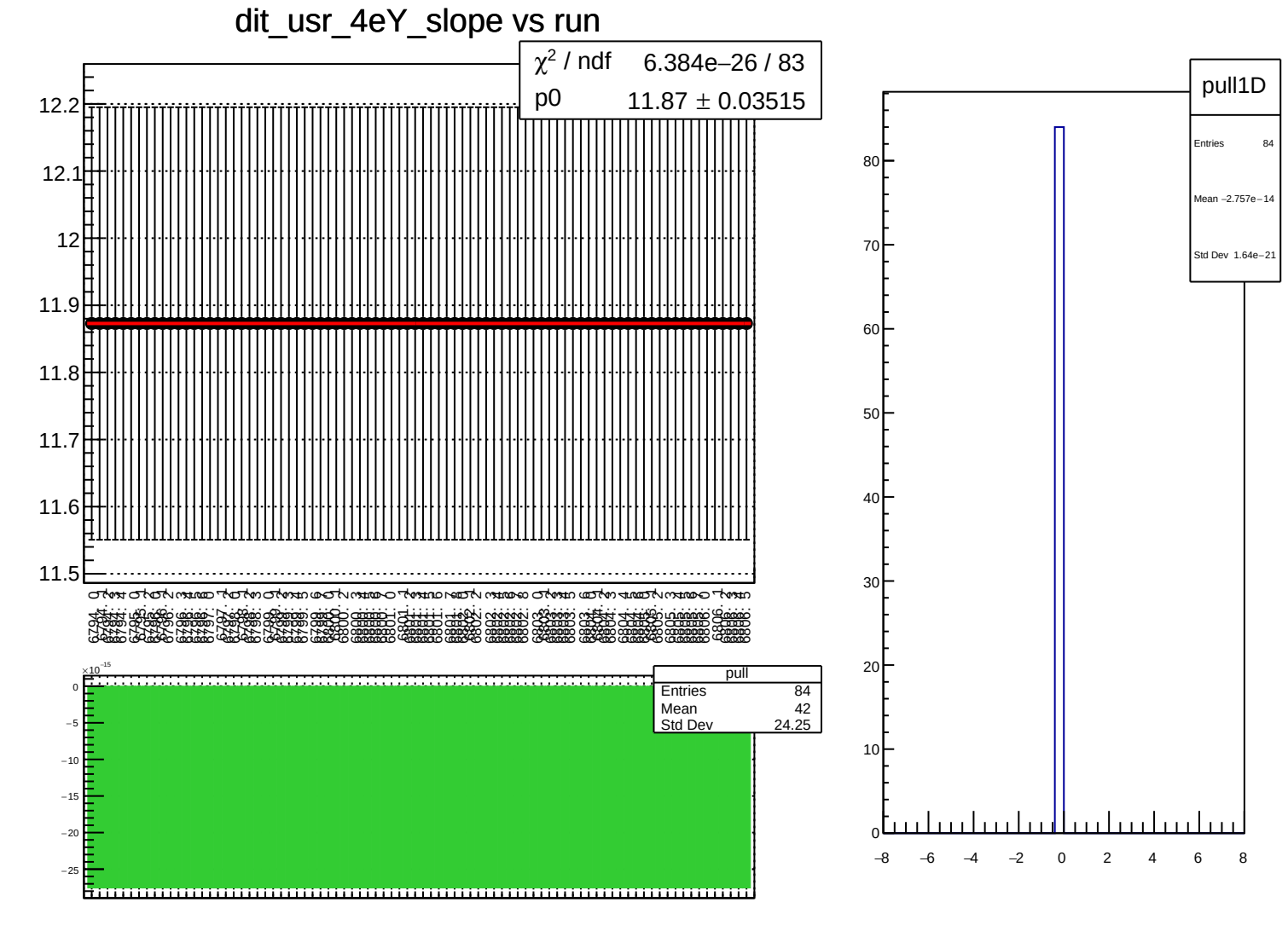

dit_usr_4eX_slope vs run
χ² / ndf 3.274e−24 / 83
p0 196.9 ± 0.1414
198
197.5
197
196.5
196
195.5
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2

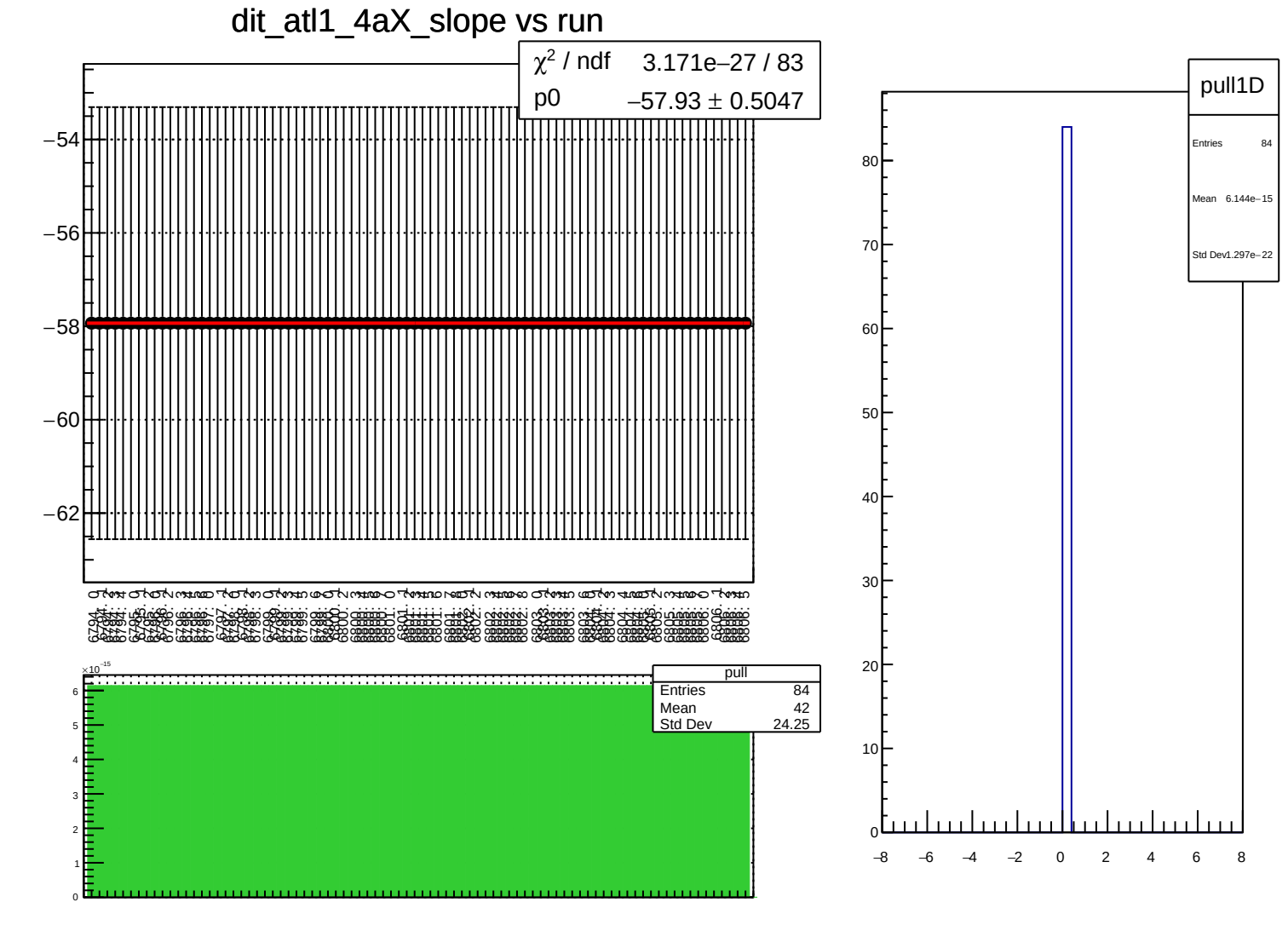

pull1D
Entries 84
Mean −1.974e−13
Std Dev8.964e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

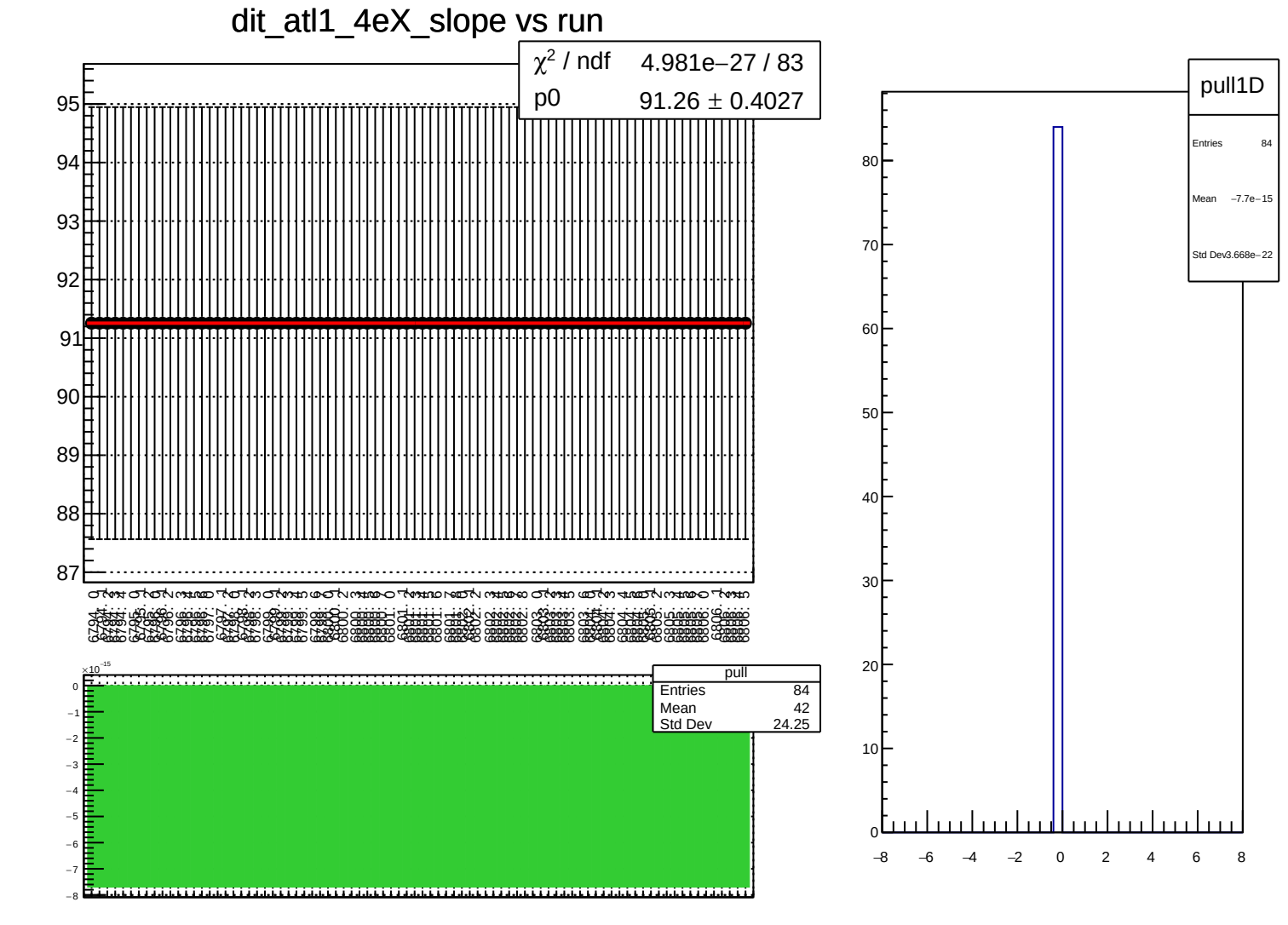

dit_usr_11X12X_slope vs run
χ² / ndf 1.493e−25 / 83
p0 −37.25 ± 0.01839
−37.05
−37.1
−37.15
−37.2
−37.25
−37.3
−37.35
−37.4
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
pull1D
Entries 84
Mean −4.216e−14
Std Dev2.075e−21

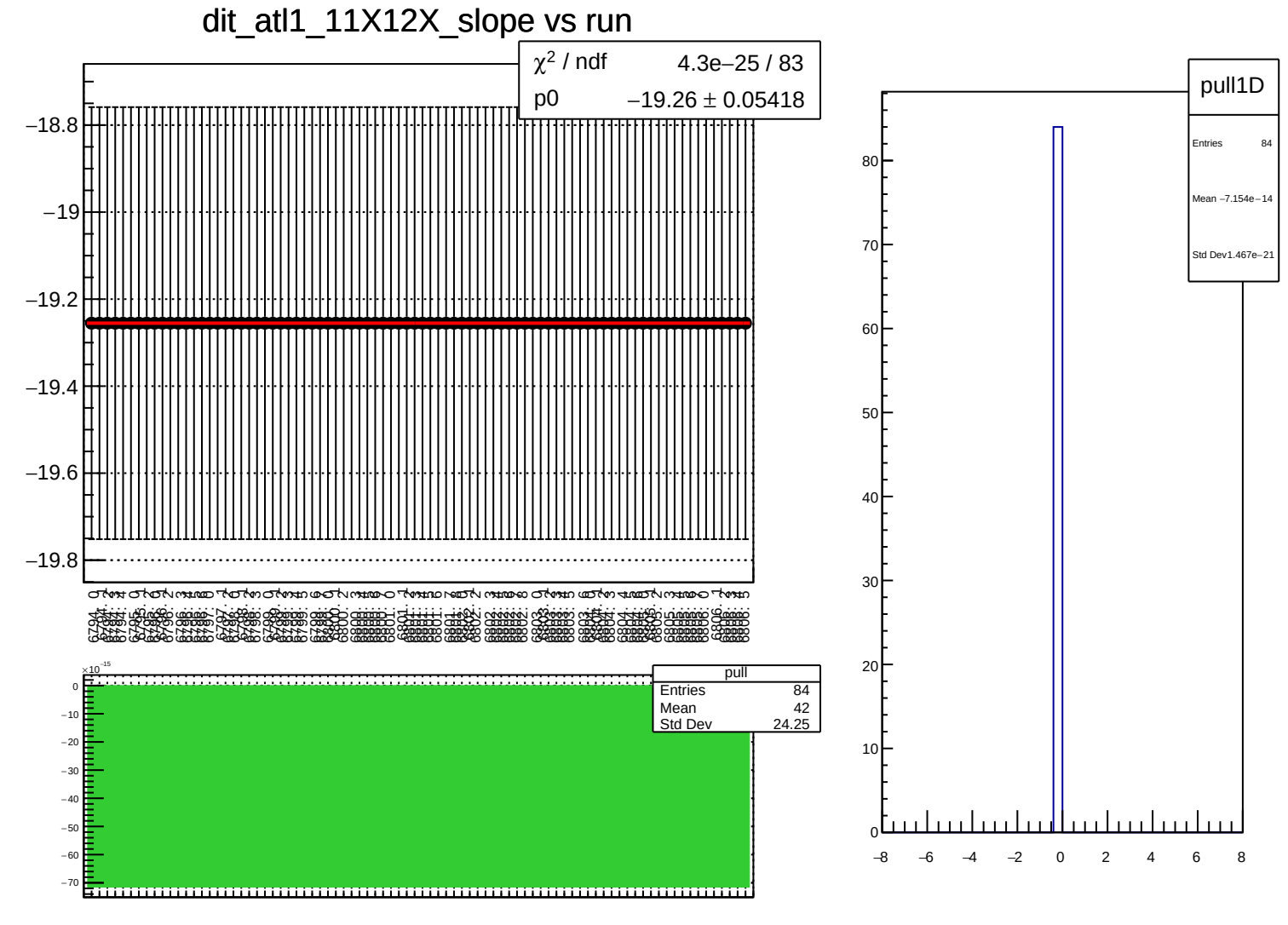

dit_usr_4aY_slope vs run
χ² / ndf 2.597e−26 / 83
p0 2.877 ± 0.03032
3.2
3.1
3
2.9
2.8
2.7
2.6
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
18
16
14
12
10
8
6
4
2
0

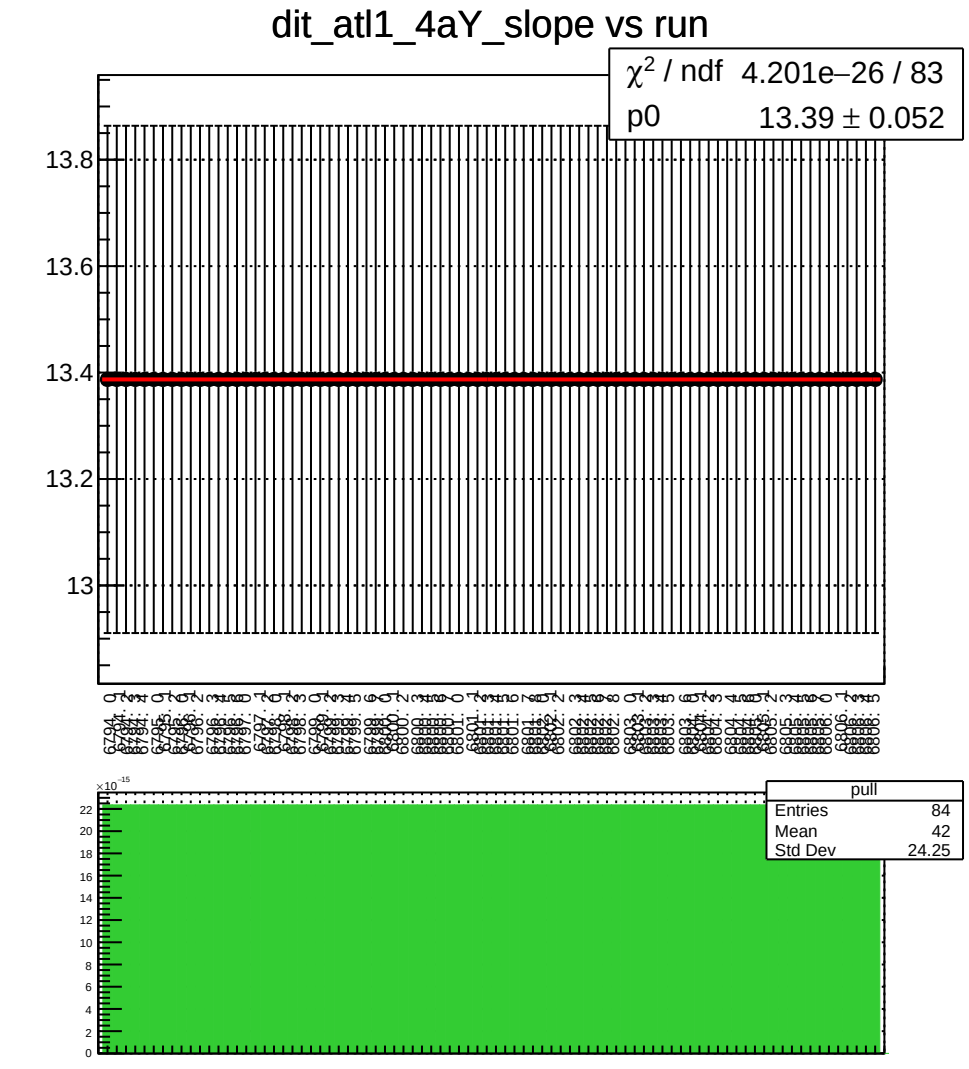

pull1D
Entries 84
Mean 1.758e−14
Std Dev 5.187e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

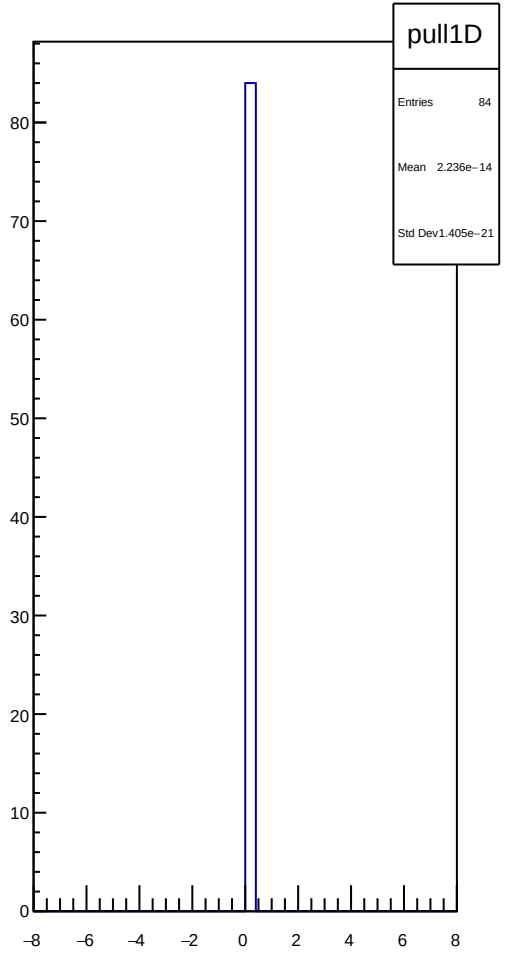

dit_usr_4eY_slope vs run
χ² / ndf 6.384e−26 / 83
p0 11.87 ± 0.03515
12.2
12.1
12
11.9
11.8
11.7
11.6
11.5
×10⁻¹⁵
0
−5
−10
−15
−20
−25
pull
Entries 84
Mean 42
Std Dev 24.25
pull1D
Entries 84
Mean −2.757e−14
Std Dev 1.64e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

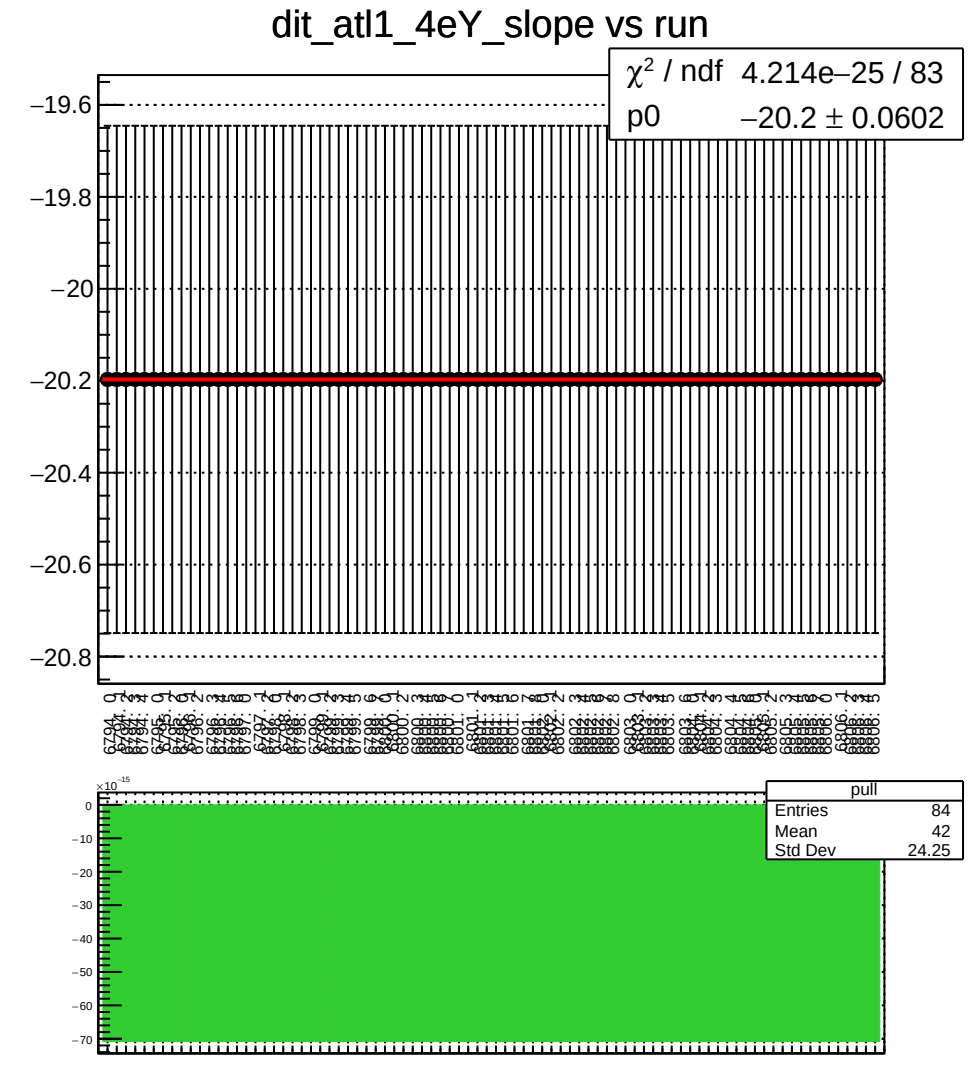

dit_atl1_4aX_slope vs run
χ² / ndf 3.171e−27 / 83
p0 −57.93 ± 0.5047
−54
−56
−58
−60
−62
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
pull1D
Entries 84
Mean 6.144e−15
Std Dev1.297e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

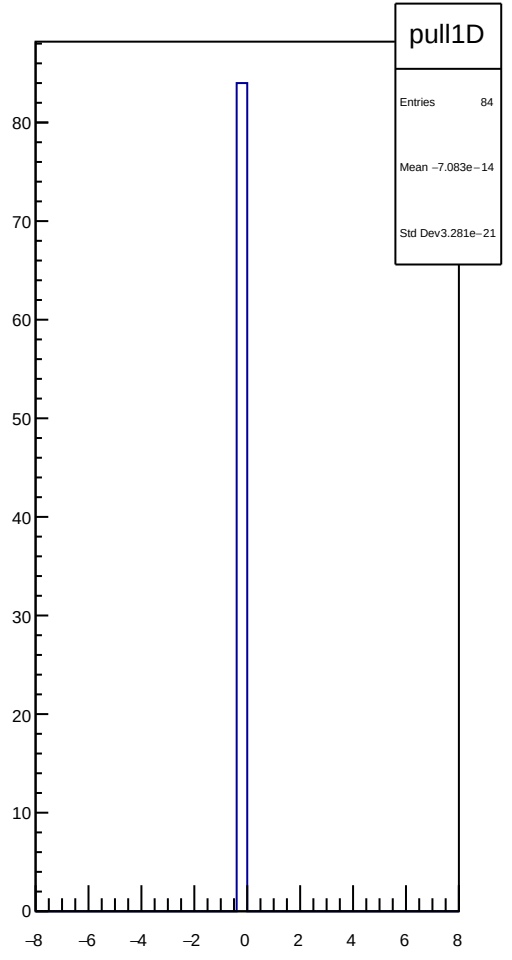

dit_atl1_4eX_slope vs run
χ² / ndf 4.981e−27 / 83
p0 91.26 ± 0.4027
pull
Entries 84
Mean 42
Std Dev 24.25
pull1D
Entries 84
Mean −7.7e−15
Std Dev 3.668e−22

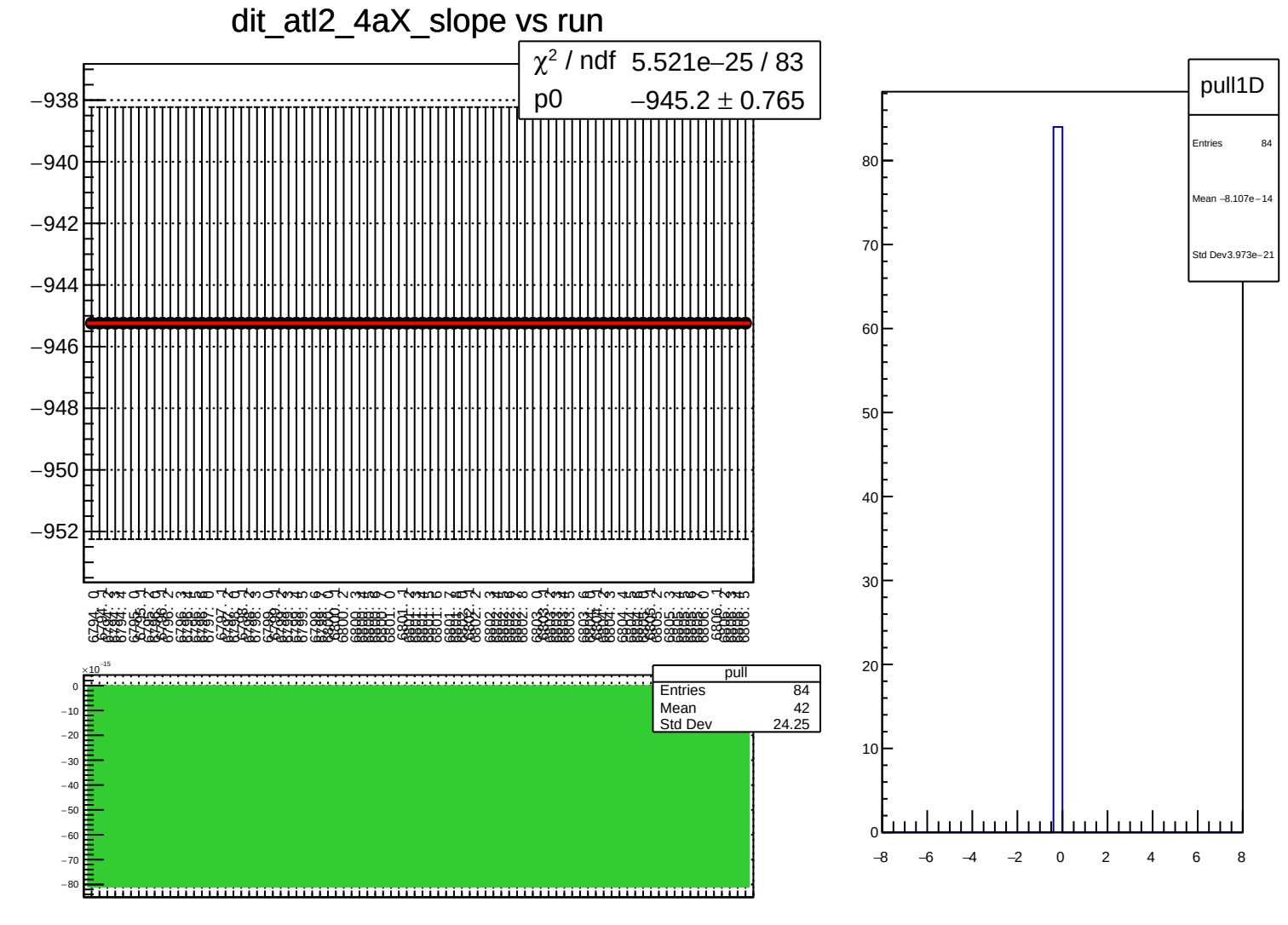

dit_atl1_11X12X_slope vs run
χ² / ndf 4.3e−25 / 83
p0 −19.26 ± 0.05418
−18.8
−19
−19.2
−19.4
−19.6
−19.8
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
pull1D
Entries 84
Mean −7.154e−14
Std Dev1.467e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

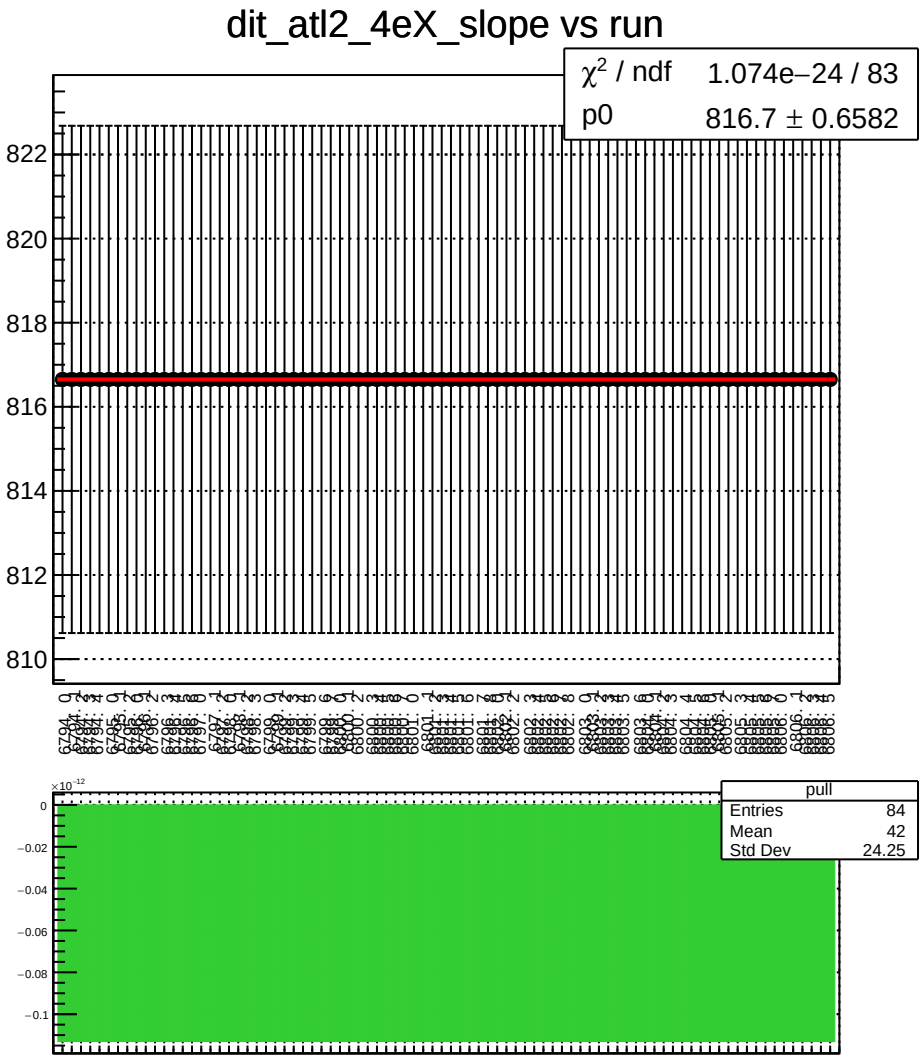

dit_atl1_4aY_slope vs run
χ^2 / ndf 4.201e−26 / 83
p0 13.39 ± 0.052
13.8
13.6
13.4
13.2
13
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
22
20
18
16
14
12
10
8
6
4
2
0

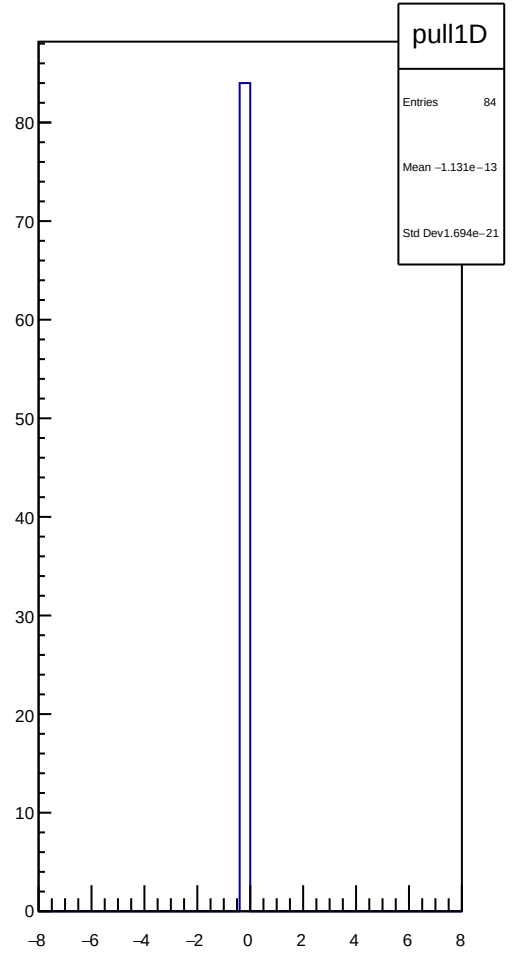

pull1D
Entries 84
Mean 2.236e−14
Std Dev1.405e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

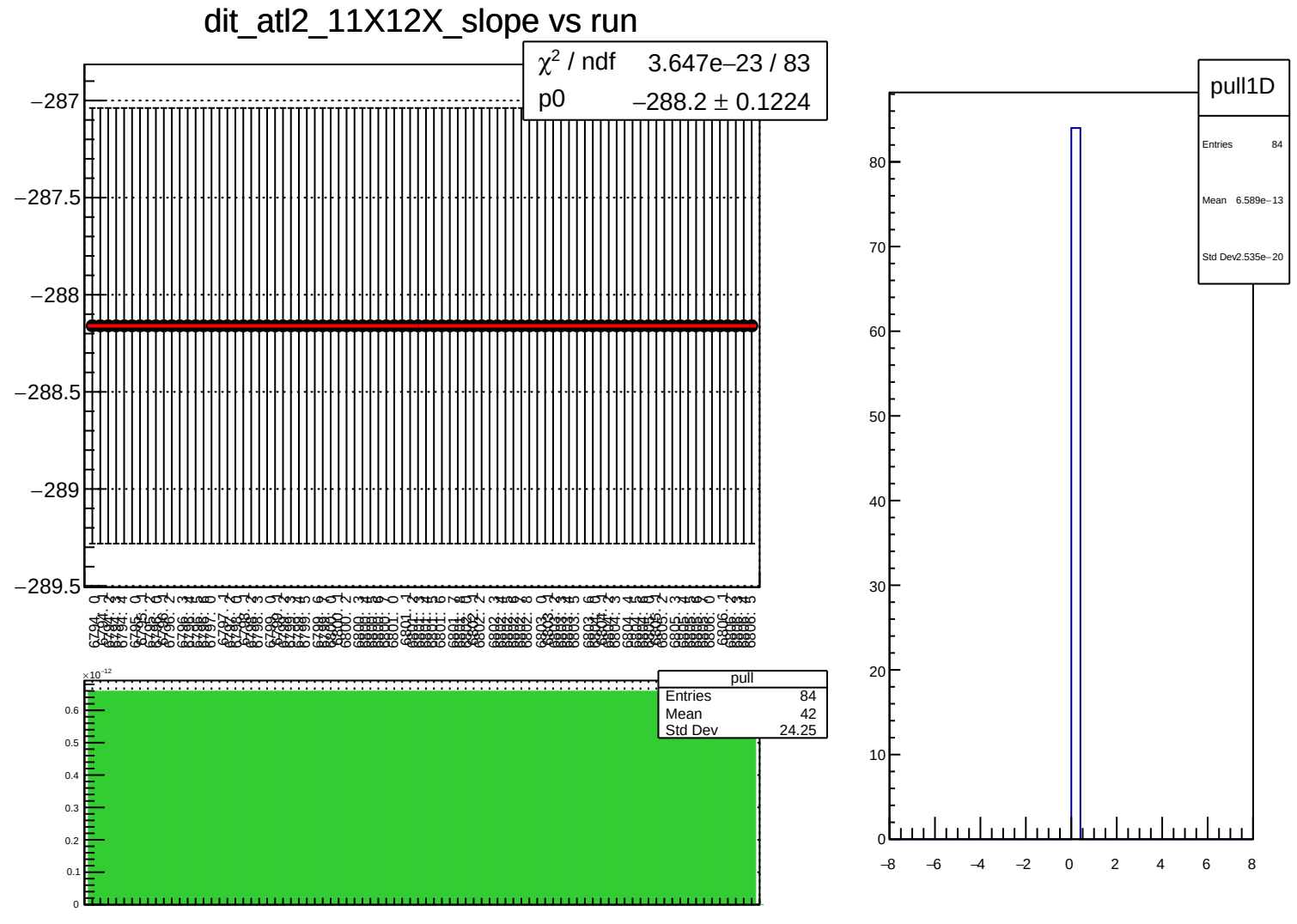

dit_atl1_4eY_slope vs run
χ² / ndf 4.214e−25 / 83
p0 −20.2 ± 0.0602
−19.6
−19.8
−20
−20.2
−20.4
−20.6
−20.8
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70

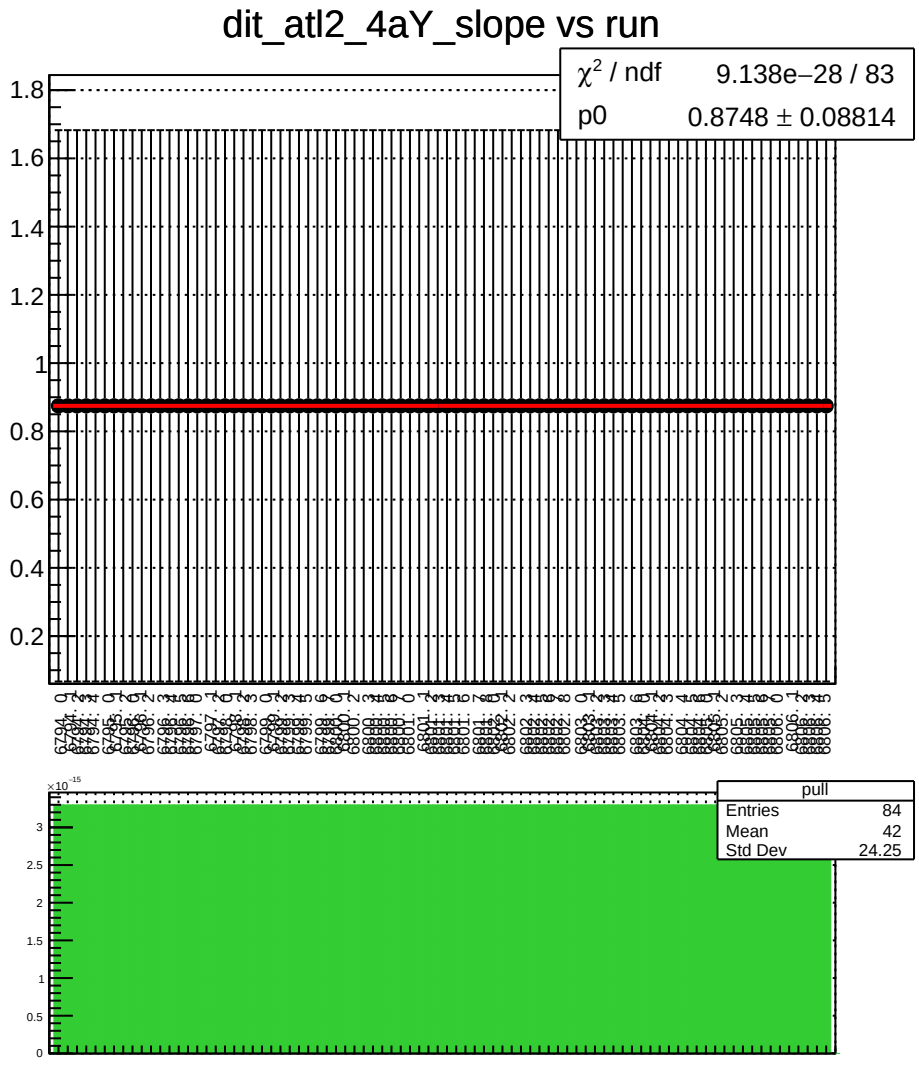

pull1D
Entries 84
Mean −7.083e−14
Std Dev3.281e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

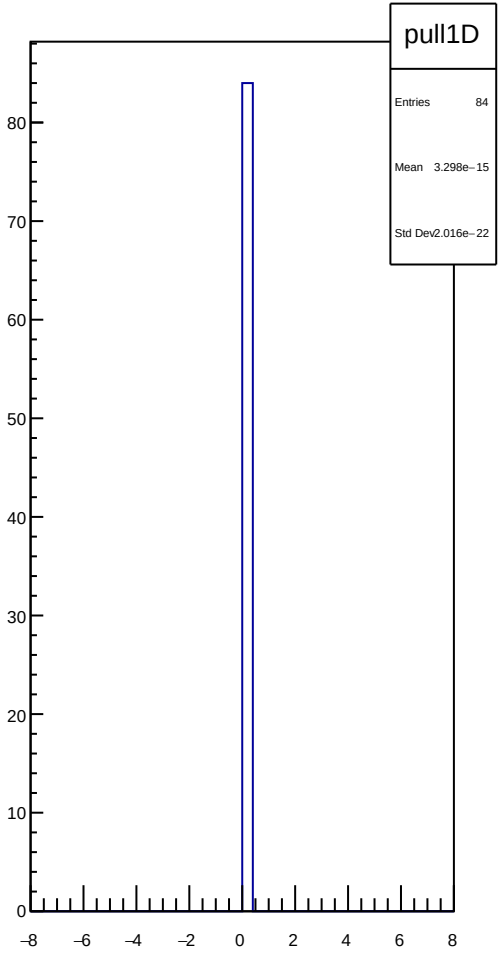

dit_atl2_4aX_slope vs run
χ² / ndf 5.521e−25 / 83
p0 −945.2 ± 0.765
−938
−940
−942
−944
−946
−948
−950
−952
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80
pull1D
Entries 84
Mean −8.107e−14
Std Dev3.973e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

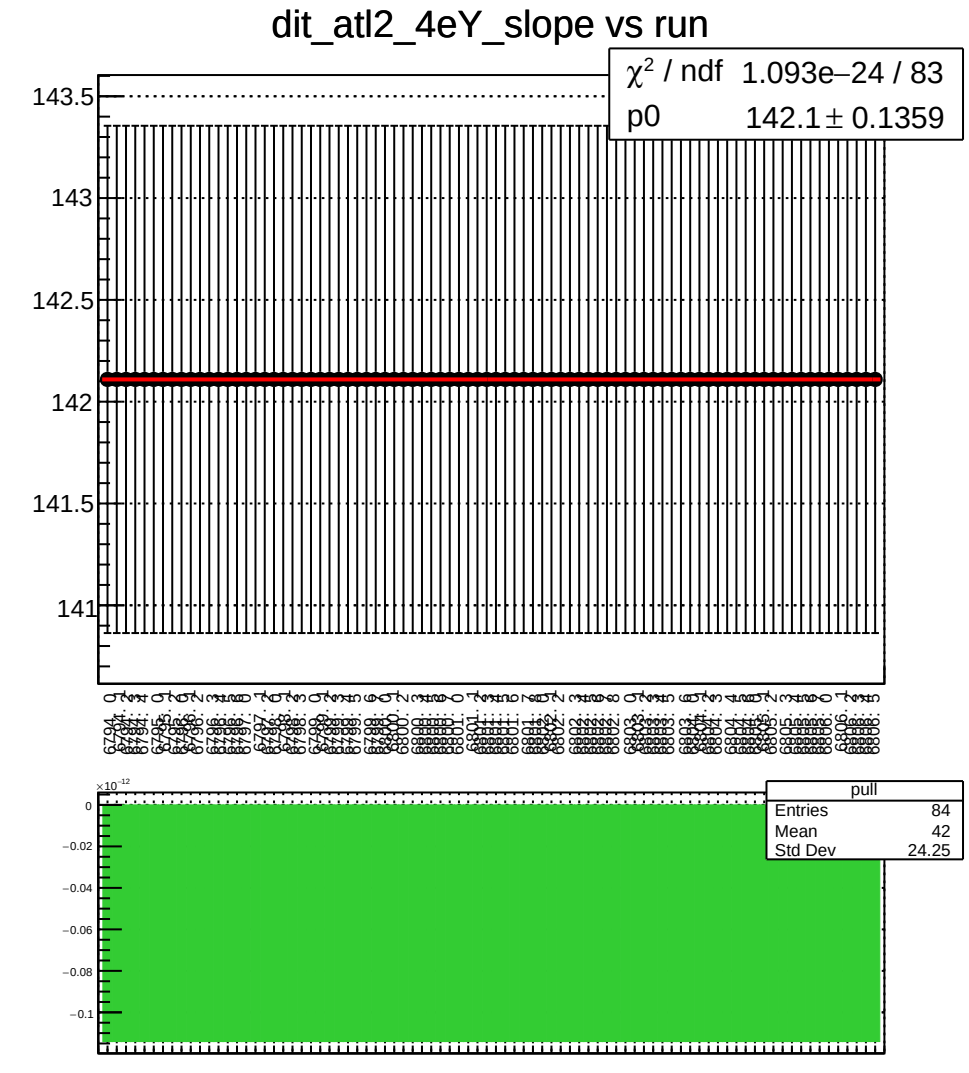

dit_atl2_4eX_slope vs run
χ² / ndf 1.074e−24 / 83
p0 816.7 ± 0.6582
822
820
818
816
814
812
810
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1

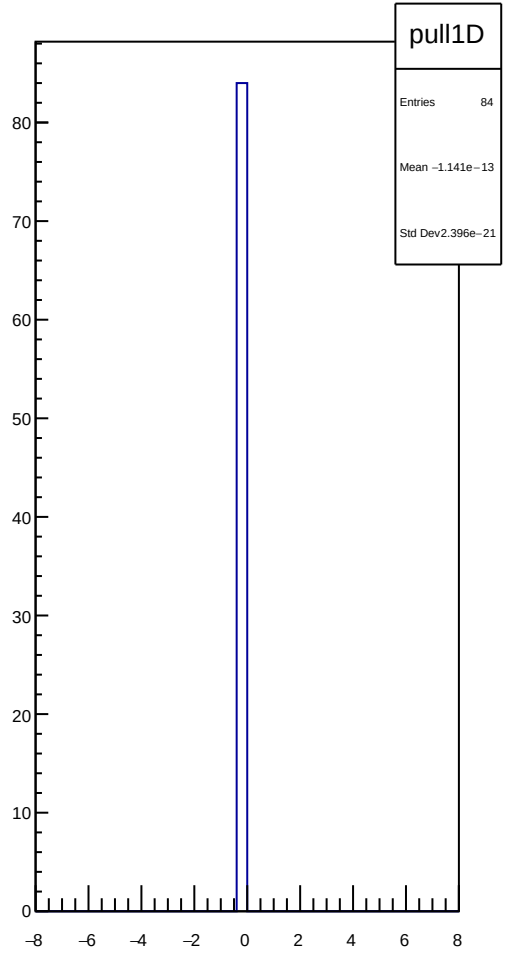

pull1D
Entries 84
Mean −1.131e−13
Std Dev1.694e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

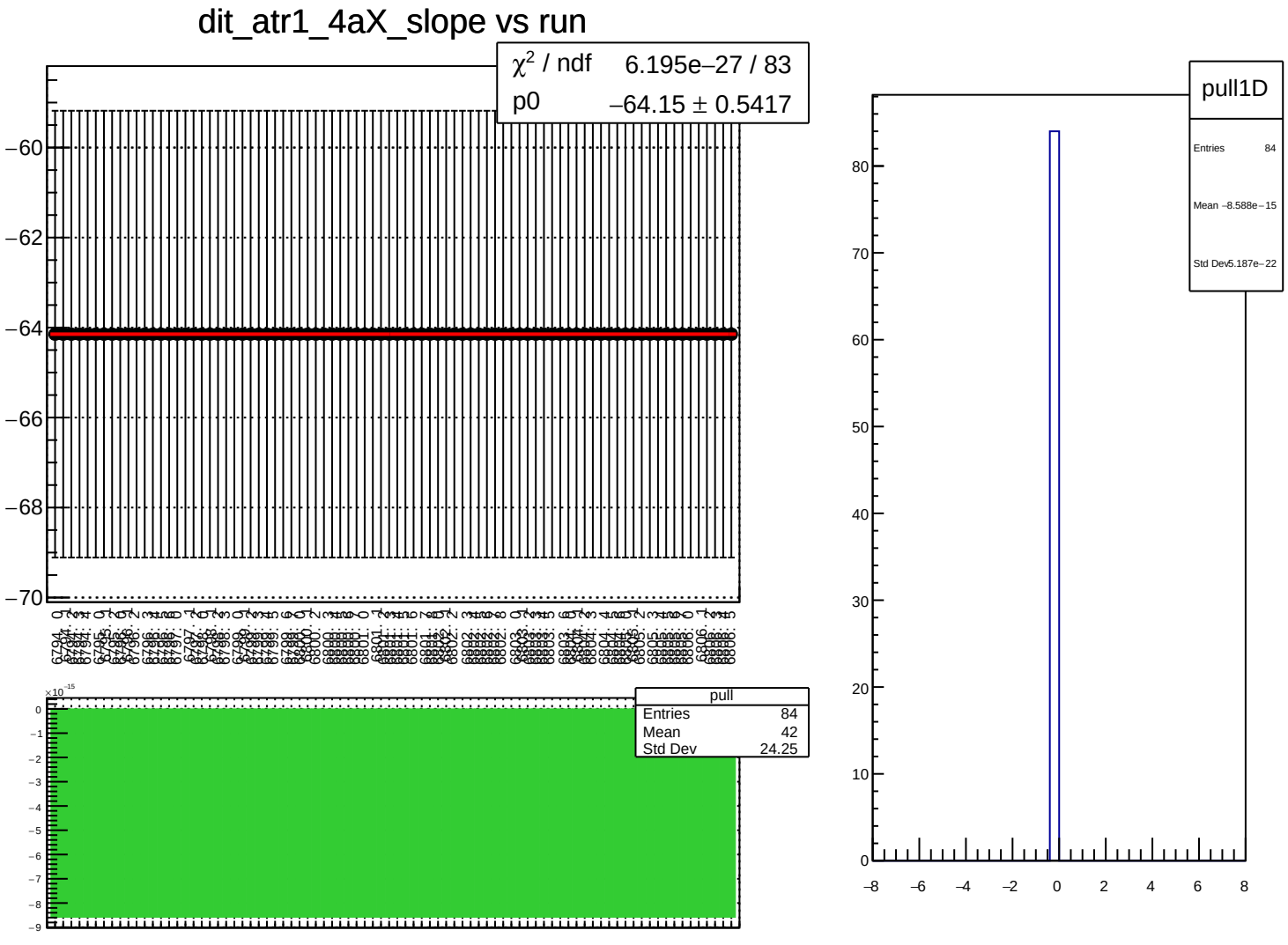

dit_atl2_11X12X_slope vs run
χ² / ndf 3.647e−23 / 83
p0 −288.2 ± 0.1224
−287
−287.5
−288
−288.5
−289
−289.5
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0.6
0.5
0.4
0.3
0.2
0.1
0
pull1D
Entries 84
Mean 6.589e−13
Std Dev 2.535e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

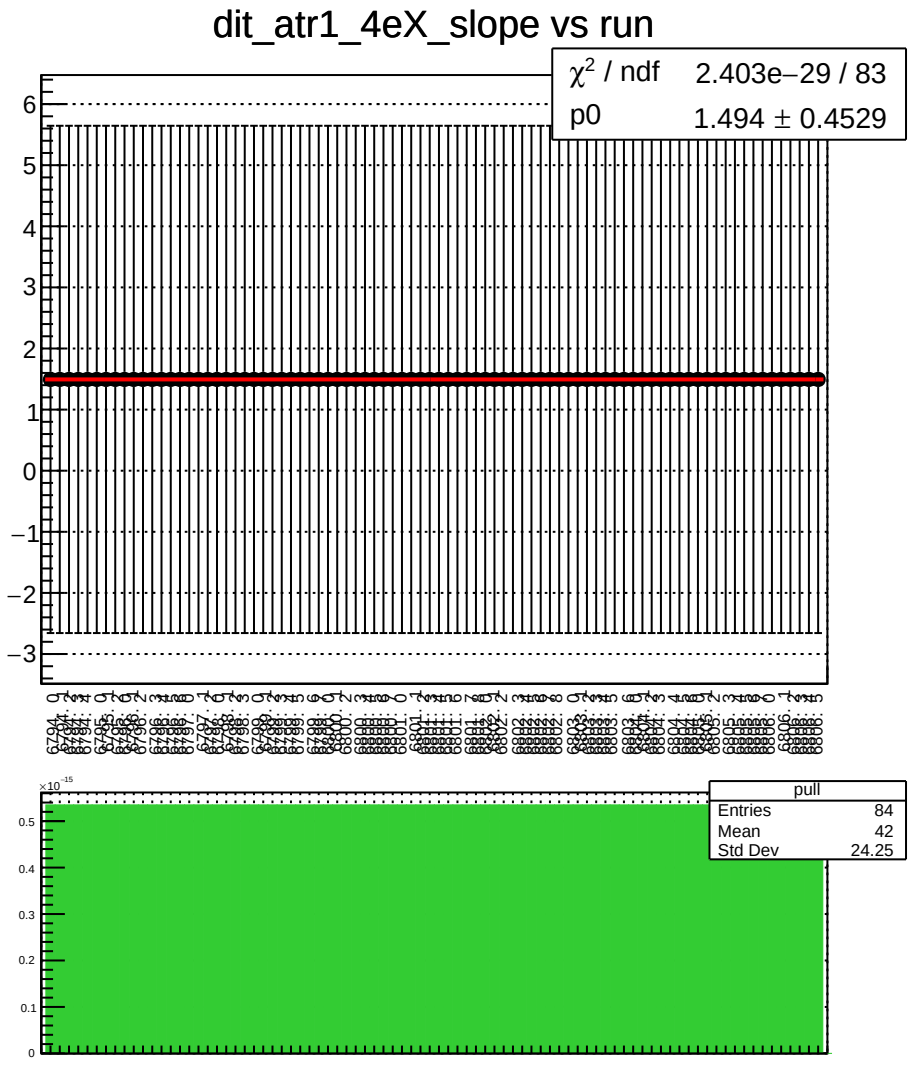

dit_atl2_4aY_slope vs run
χ² / ndf 9.138e−28 / 83
p0 0.8748 ± 0.08814
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵

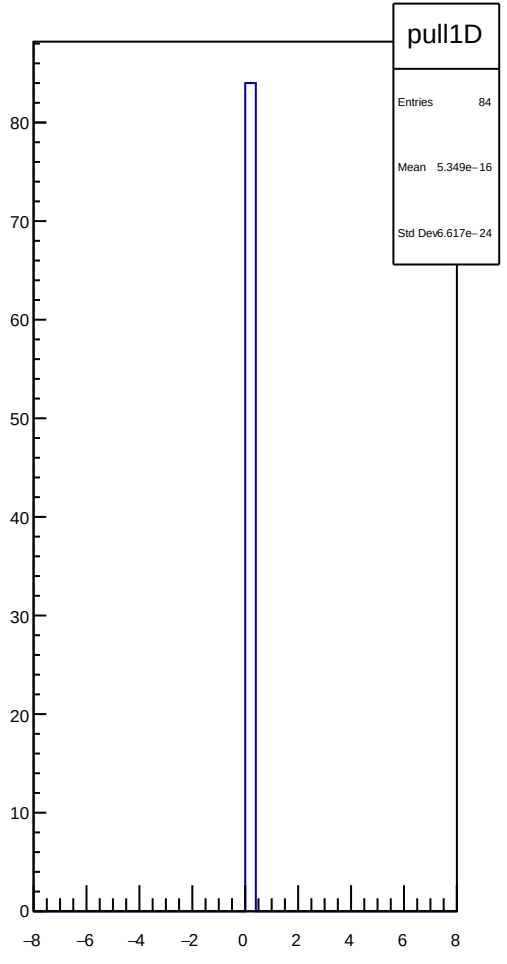

pull1D
Entries 84
Mean 3.298e−15
Std Dev2.016e−22

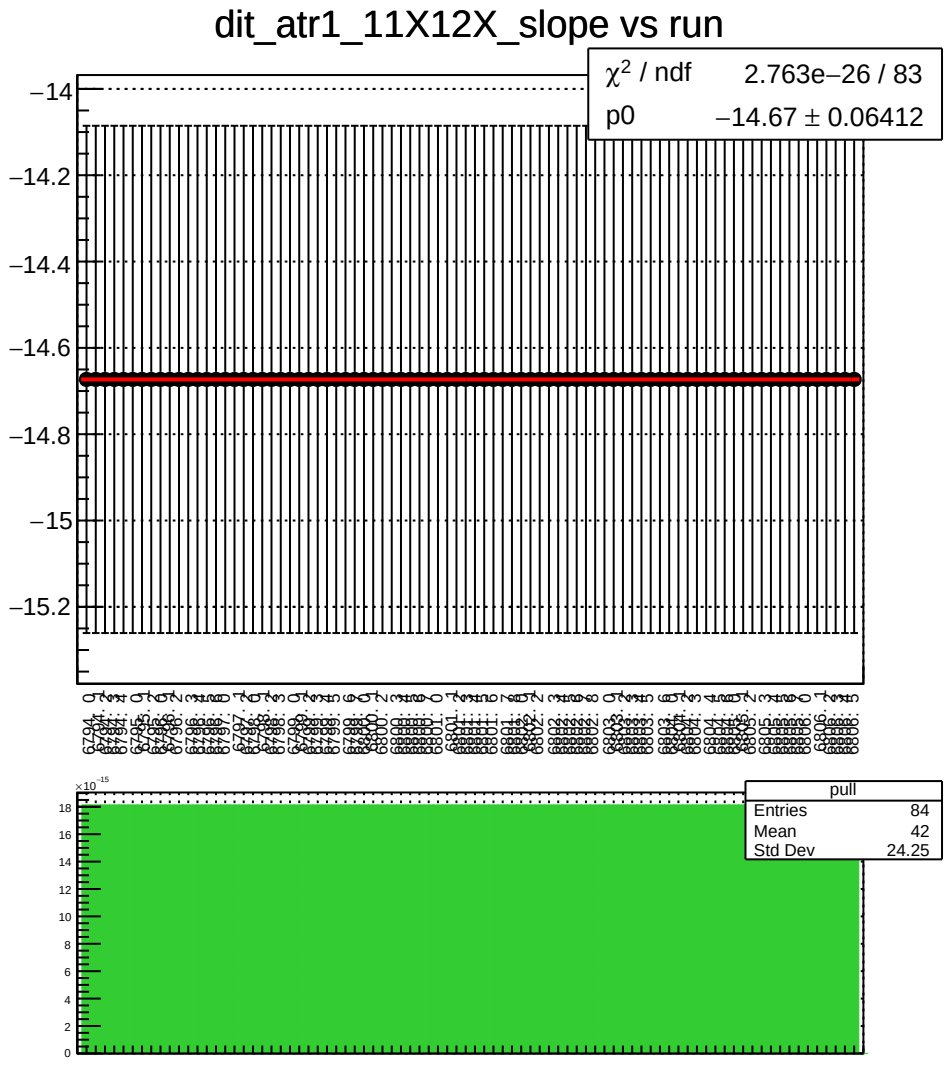

dit_atl2_4eY_slope vs run
χ^2 / ndf 1.093e−24 / 83
p0 142.1 ± 0.1359
143.5
143
142.5
142
141.5
141
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1

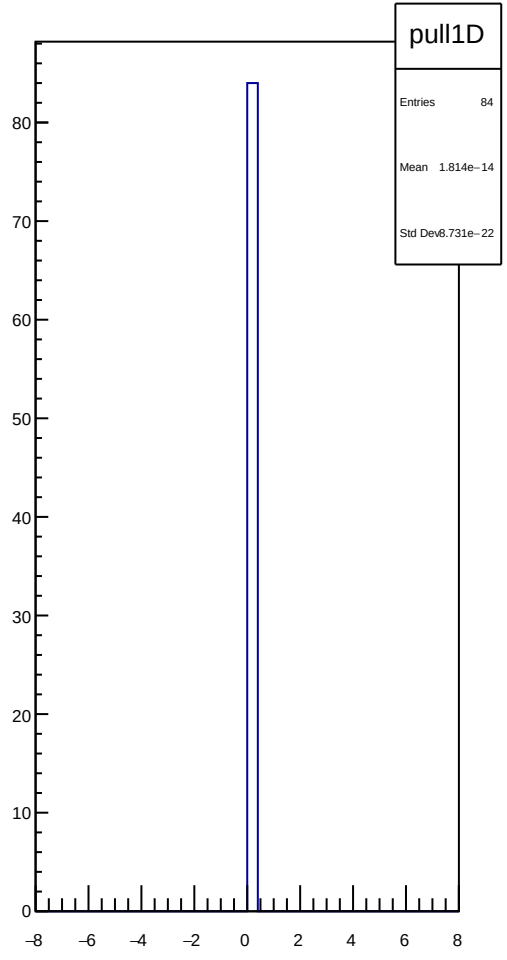

pull1D
Entries 84
Mean −1.141e−13
Std Dev2.396e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

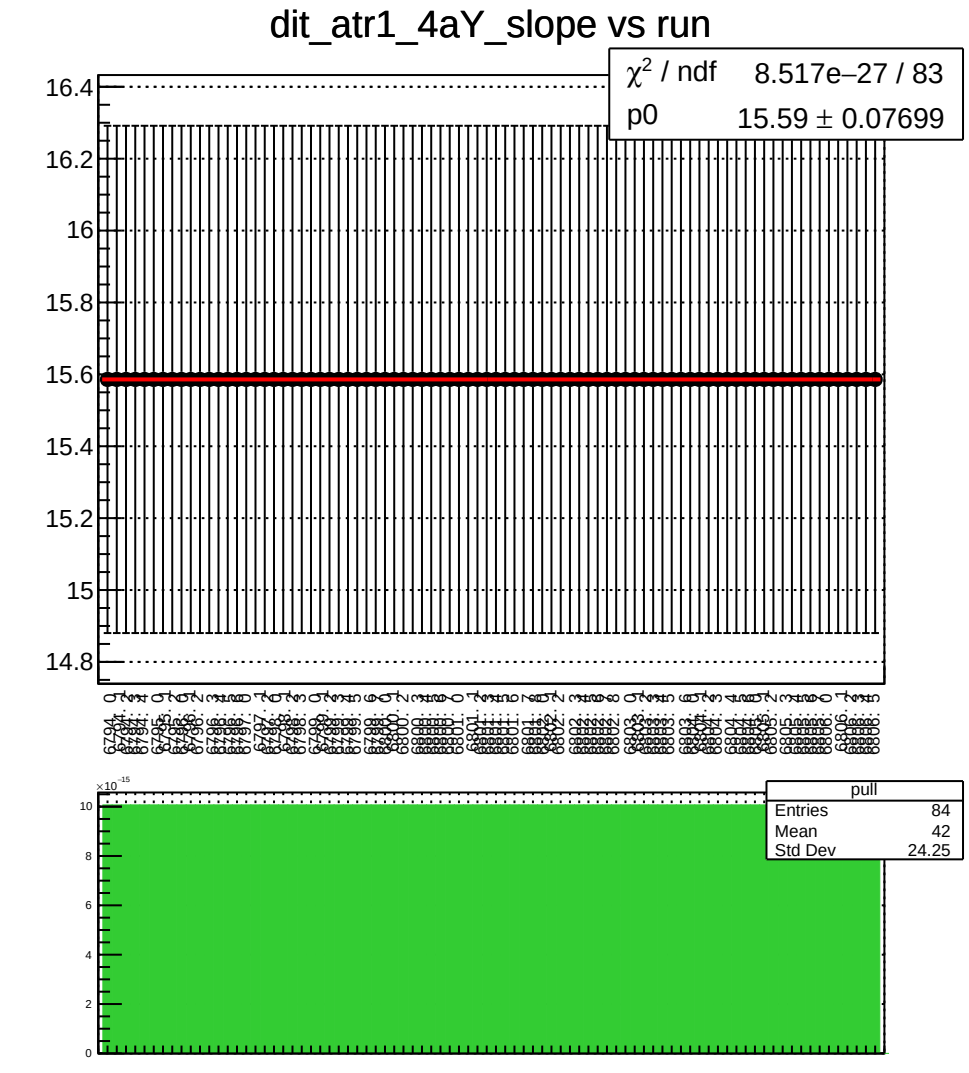

dit_atr1_4aX_slope vs run
χ² / ndf 6.195e−27 / 83
p0 −64.15 ± 0.5417
−60
−62
−64
−66
−68
−70
×10⁻¹⁵
pull
Entries 84
Mean 42
Std Dev 24.25
pull1D
Entries 84
Mean −8.588e−15
Std Dev5.187e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

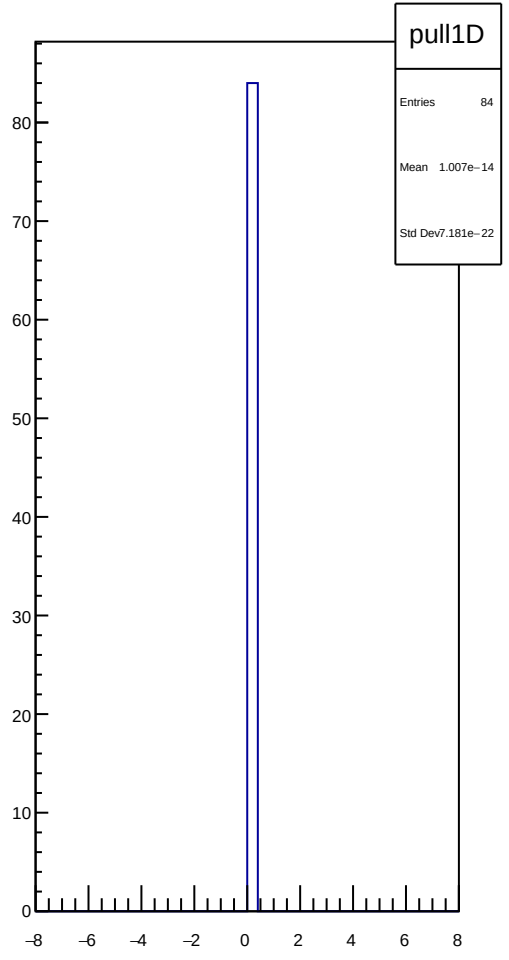

dit_atr1_4eX_slope vs run
χ² / ndf 2.403e−29 / 83
p0 1.494 ± 0.4529
pull
Entries 84
Mean 42
Std Dev 24.25

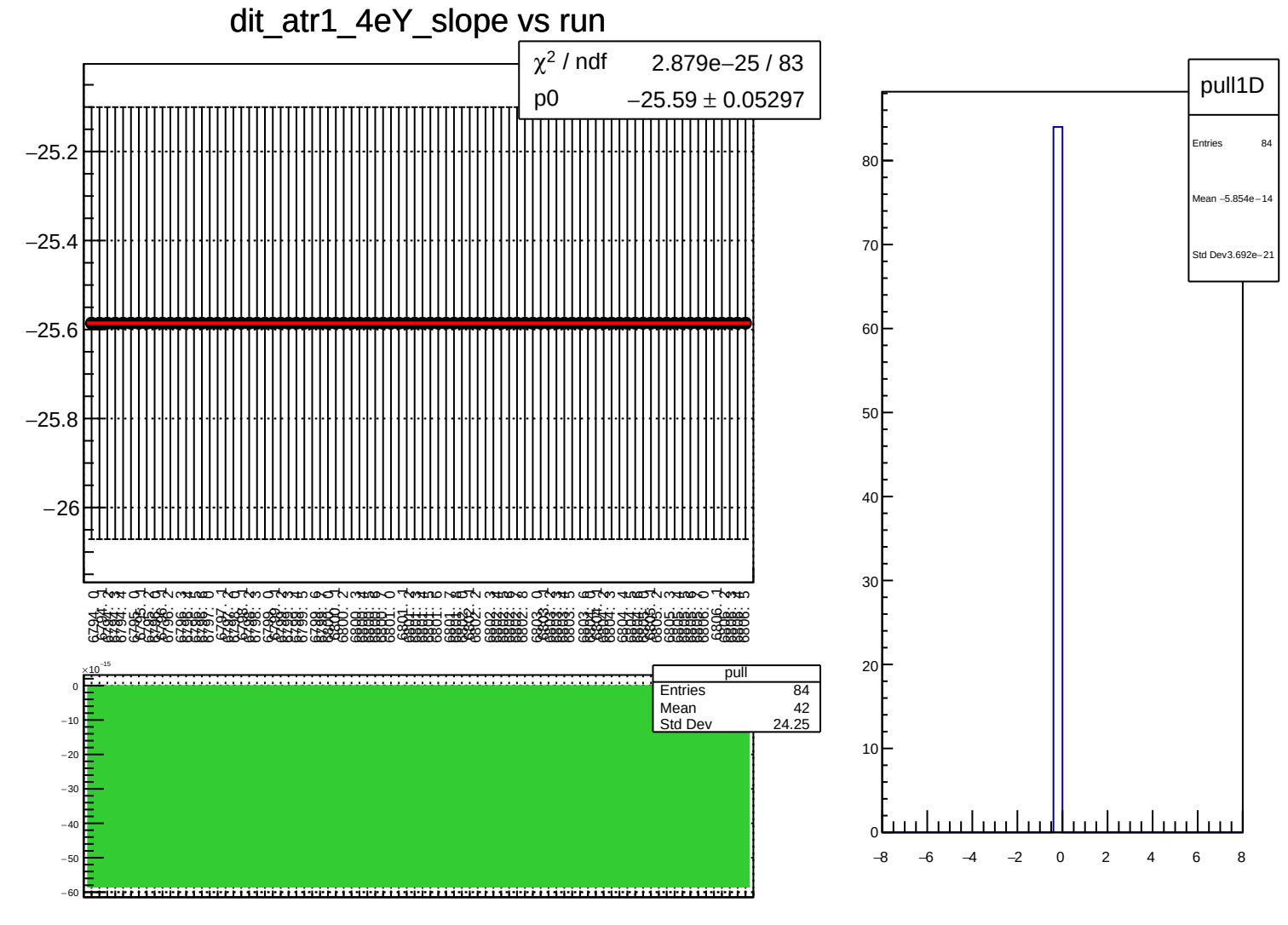

pull1D
Entries 84
Mean 5.349e−16
Std Dev 6.617e−24

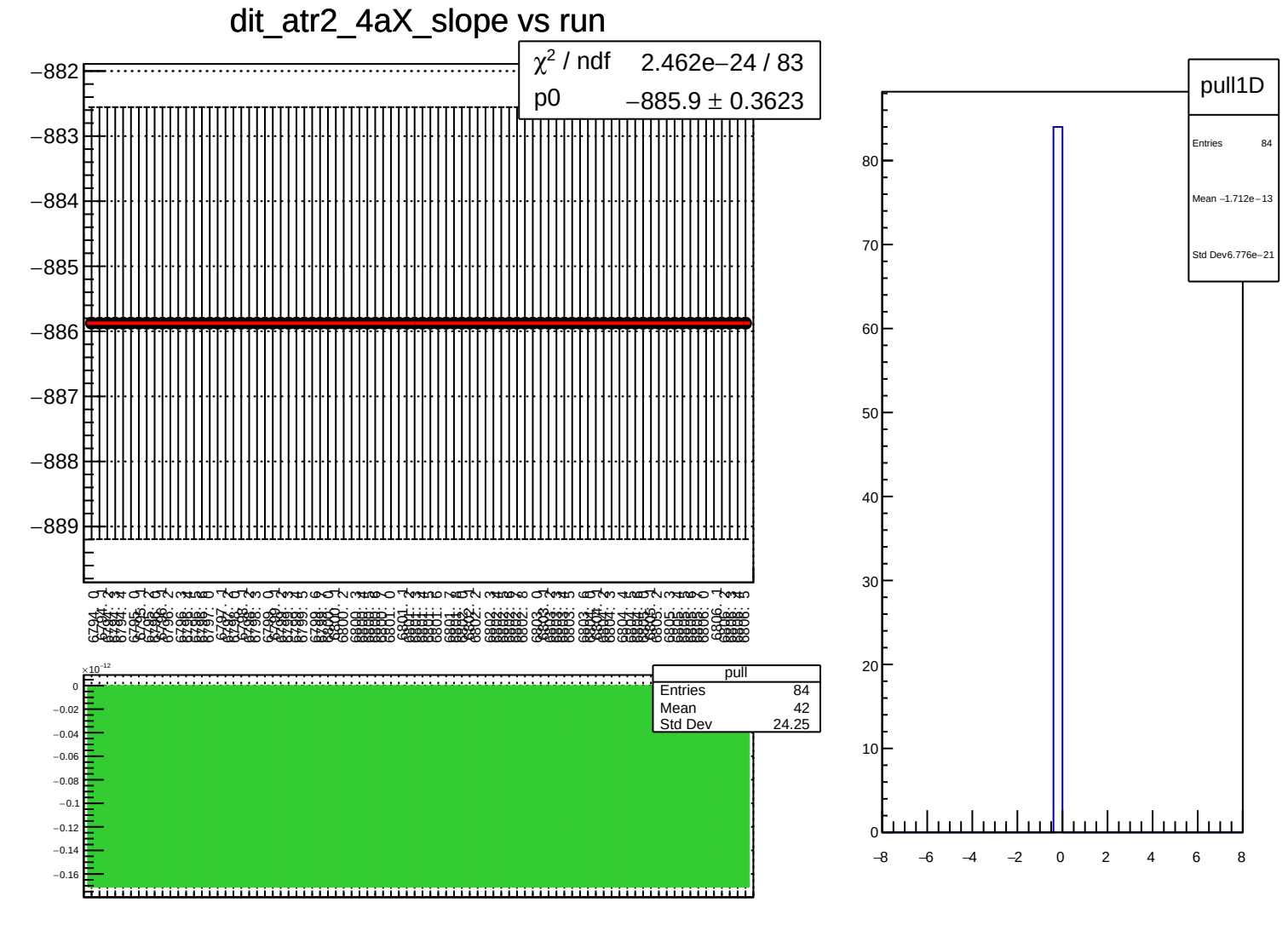

dit_atr1_11X12X_slope vs run
χ² / ndf 2.763e−26 / 83
p0 −14.67 ± 0.06412
−14
−14.2
−14.4
−14.6
−14.8
−15
−15.2
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
18
16
14
12
10
8
6
4
2
0

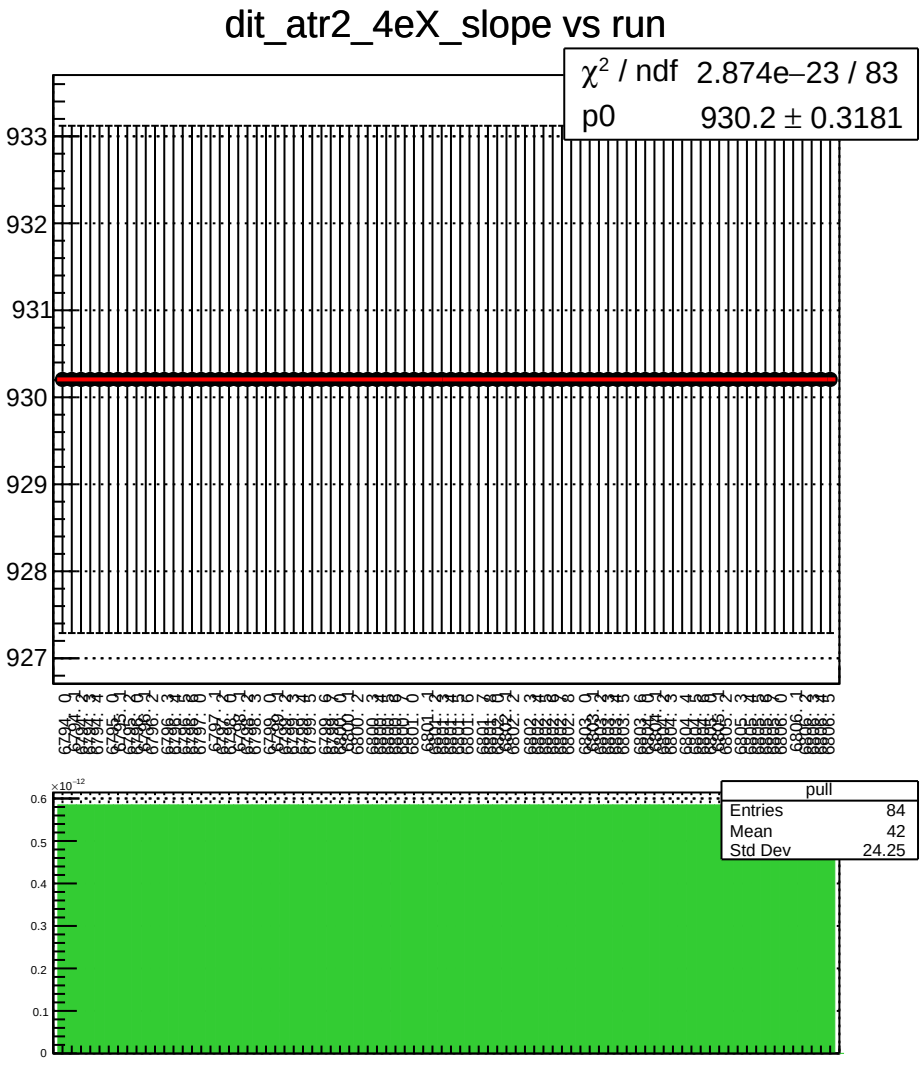

pull1D
Entries 84
Mean 1.814e−14
Std Dev 8.731e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

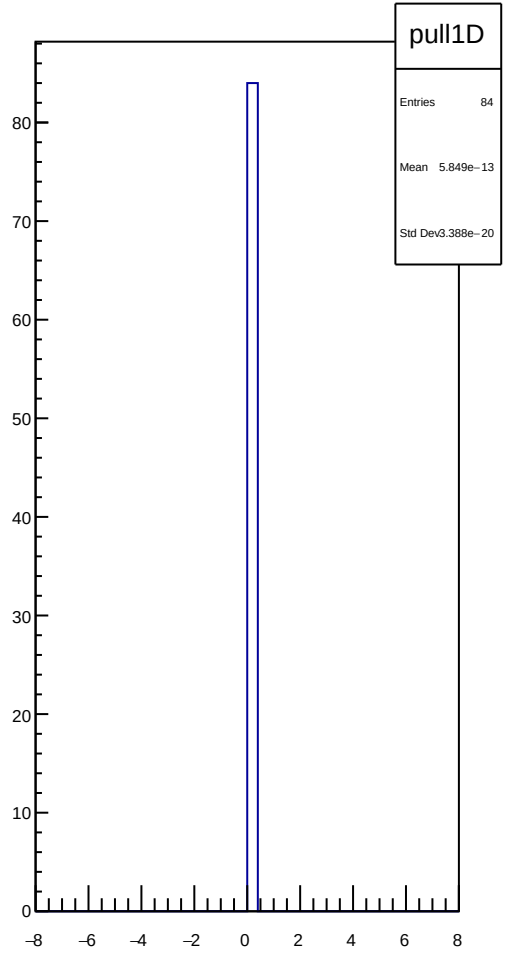

dit_atr1_4aY_slope vs run
χ² / ndf 8.517e−27 / 83
p0 15.59 ± 0.07699
16.4
16.2
16
15.8
15.6
15.4
15.2
15
14.8
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
10
8
6
4
2
0

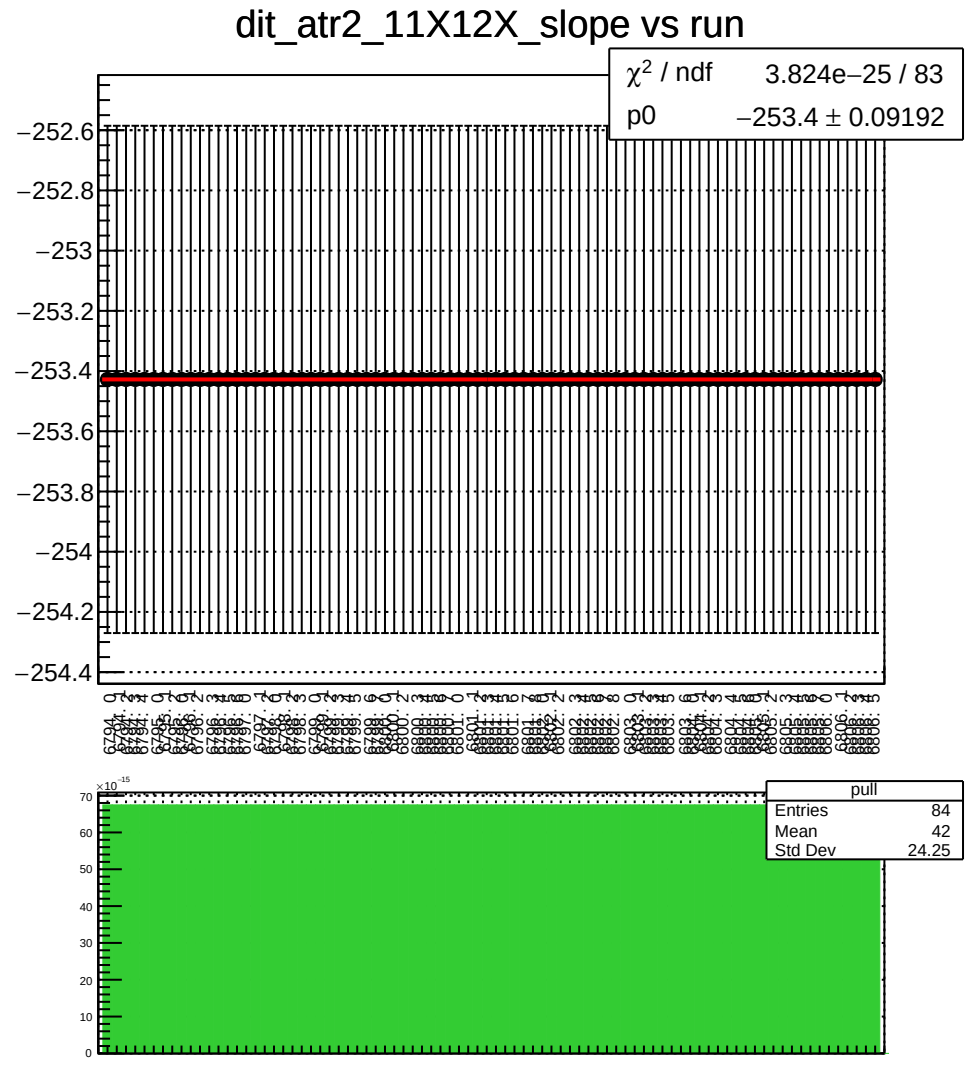

pull1D
Entries 84
Mean 1.007e−14
Std Dev7.181e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

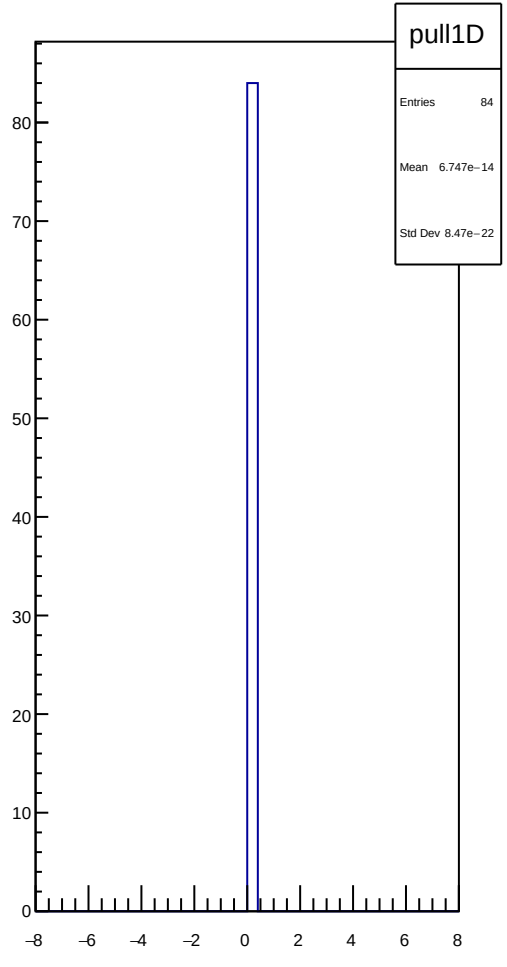

dit_atr1_4eY_slope vs run
χ² / ndf 2.879e−25 / 83
p0 −25.59 ± 0.05297
−25.2
−25.4
−25.6
−25.8
−26
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
pull1D
Entries 84
Mean −5.854e−14
Std Dev3.692e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

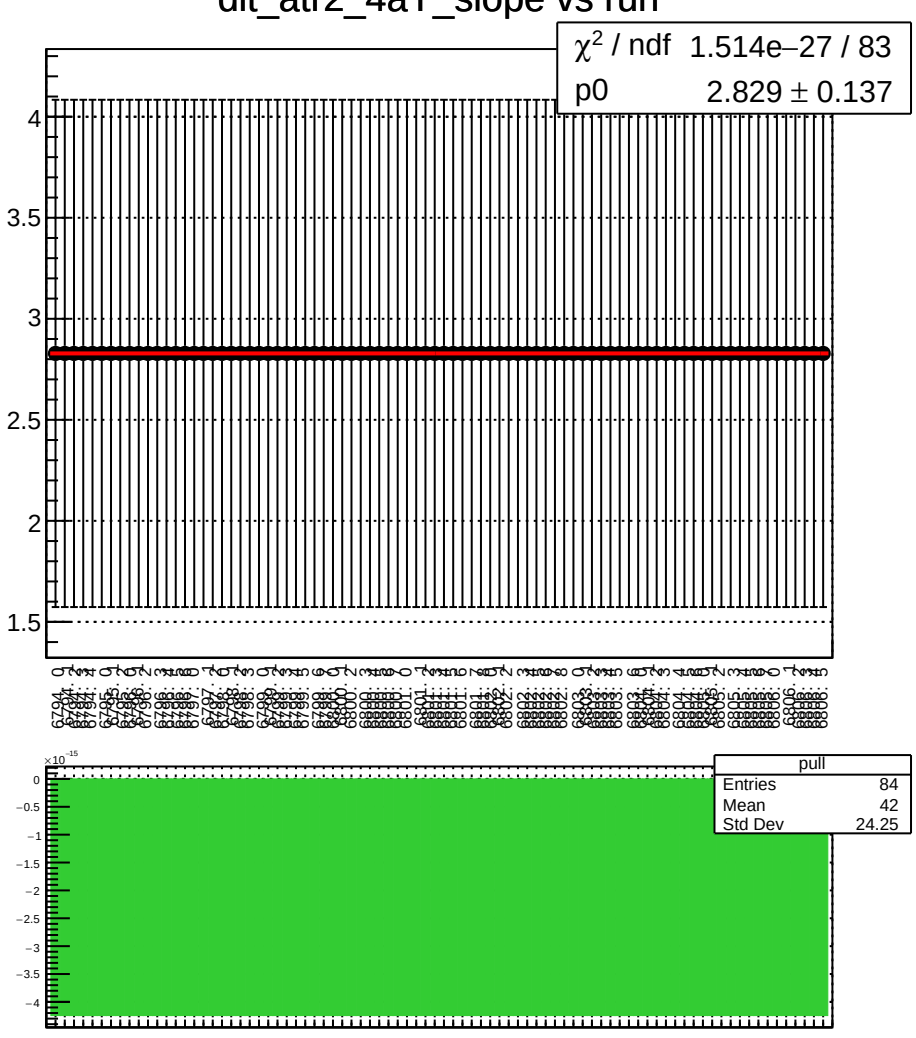

dit_atr2_4aX_slope vs run
χ² / ndf 2.462e−24 / 83
p0 −885.9 ± 0.3623
−882
−883
−884
−885
−886
−887
−888
−889
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
pull1D
Entries 84
Mean −1.712e−13
Std Dev6.776e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

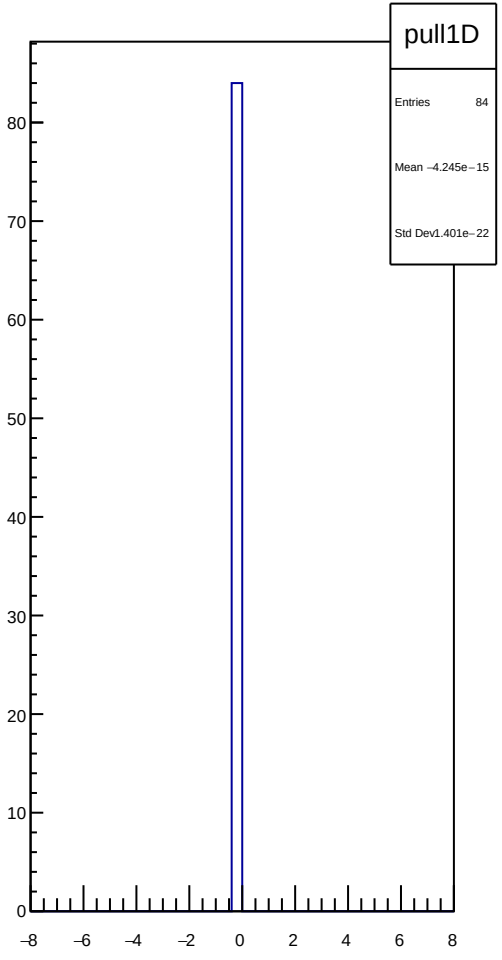

dit_atr2_4eX_slope vs run
χ² / ndf 2.874e−23 / 83
p0 930.2 ± 0.3181
933
932
931
930
929
928
927
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0.6
0.5
0.4
0.3
0.2
0.1
0

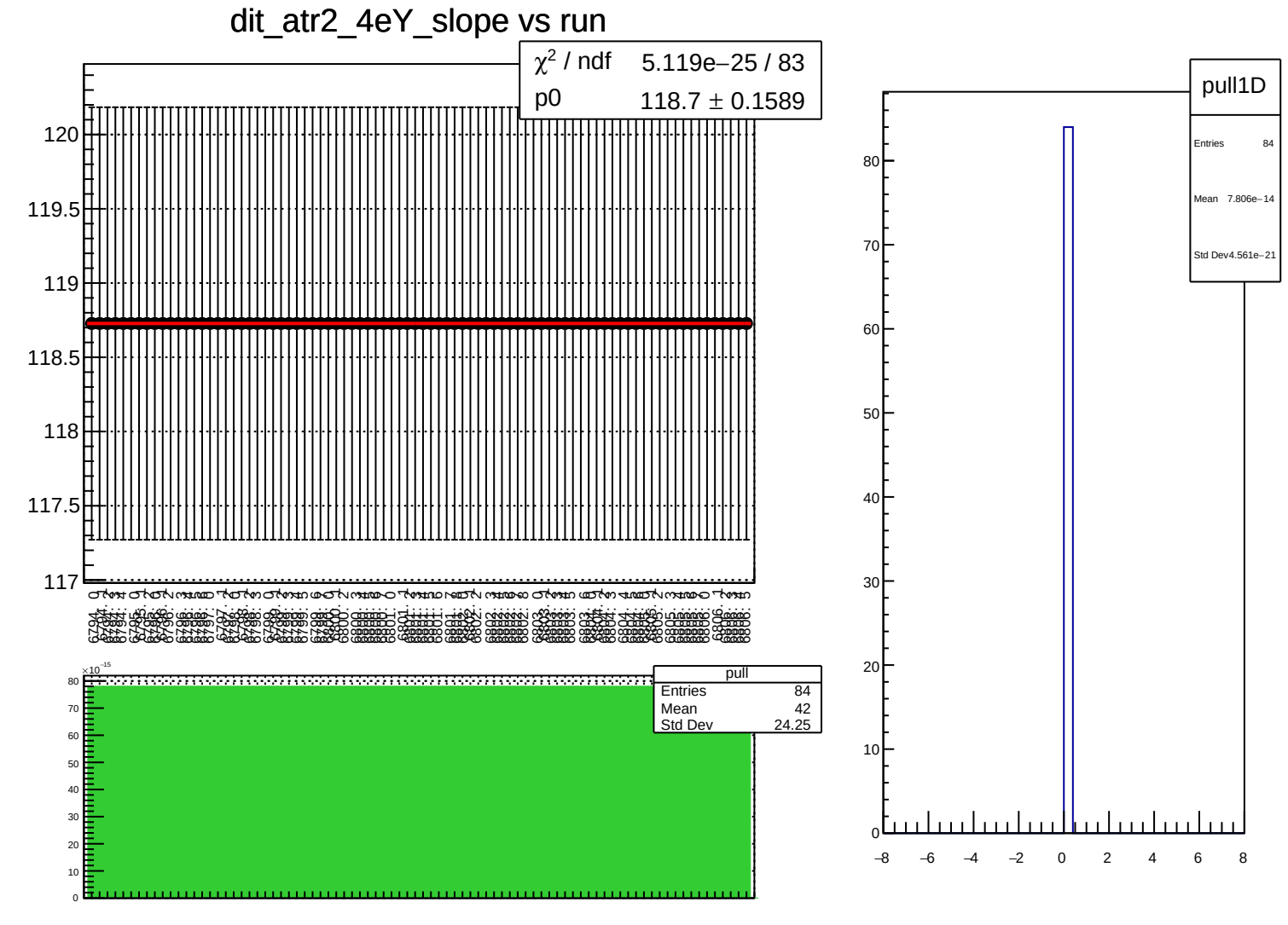

pull1D
Entries 84
Mean 5.849e−13
Std Dev3.388e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

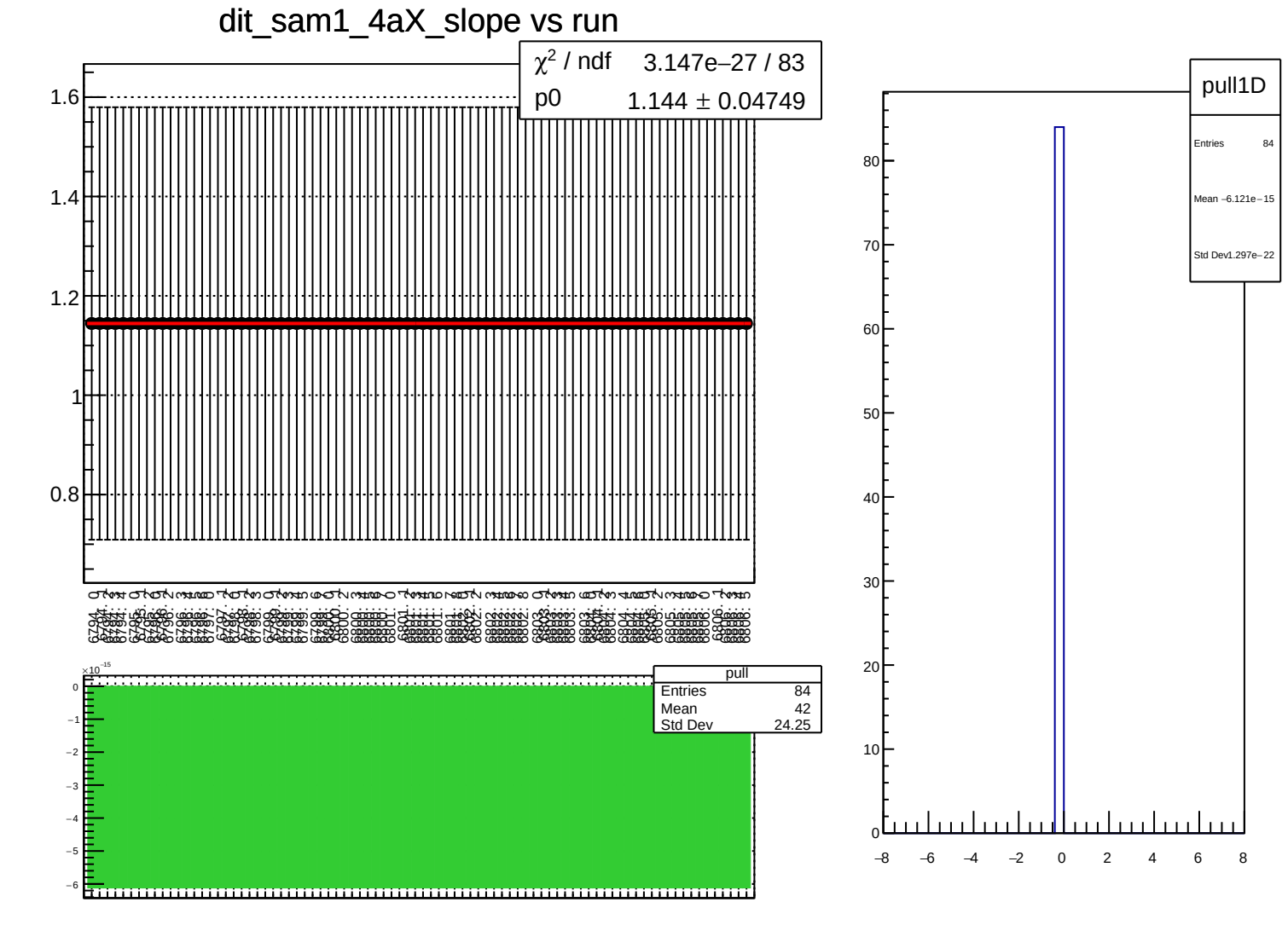

dit_atr2_11X12X_slope vs run
χ² / ndf 3.824e−25 / 83
p0 −253.4 ± 0.09192
−252.6
−252.8
−253
−253.2
−253.4
−253.6
−253.8
−254
−254.2
−254.4
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
70
60
50
40
30
20
10
0

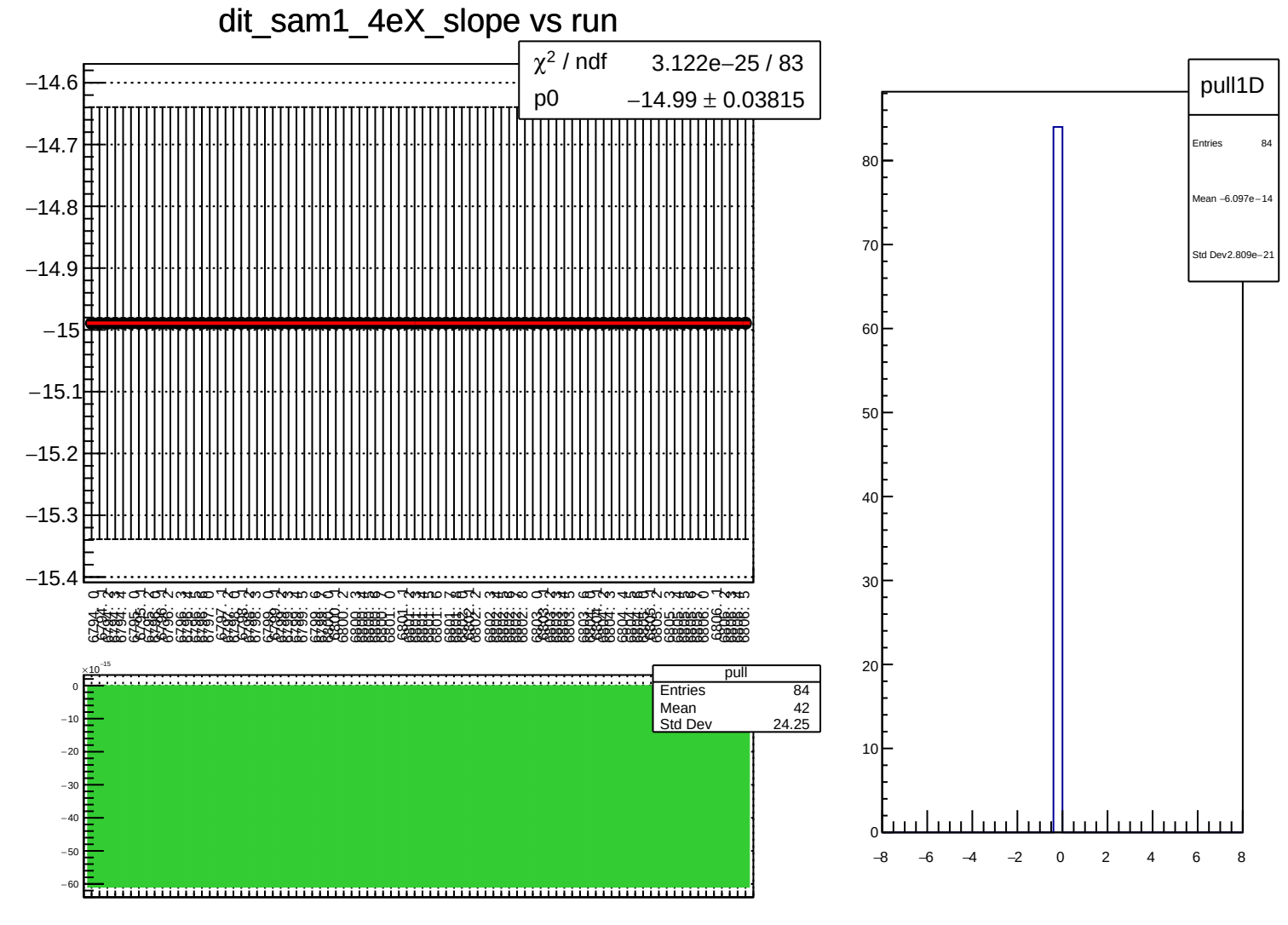

pull1D
Entries 84
Mean 6.747e−14
Std Dev 8.47e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

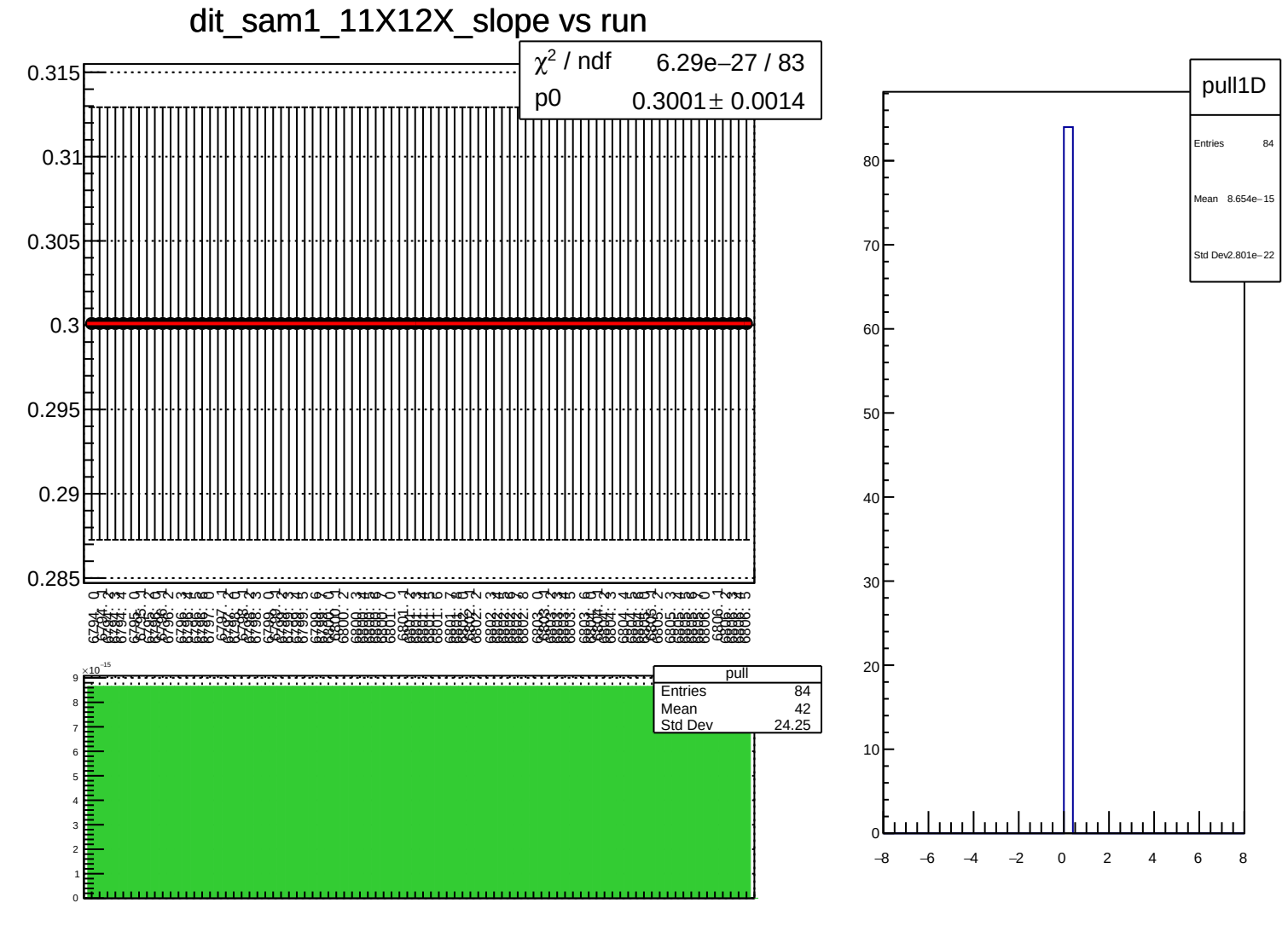

dit_atr2_4aY_slope vs run
χ^2 / ndf 1.514e−27 / 83
p0 2.829 ± 0.137
pull
Entries 84
Mean 42
Std Dev 24.25

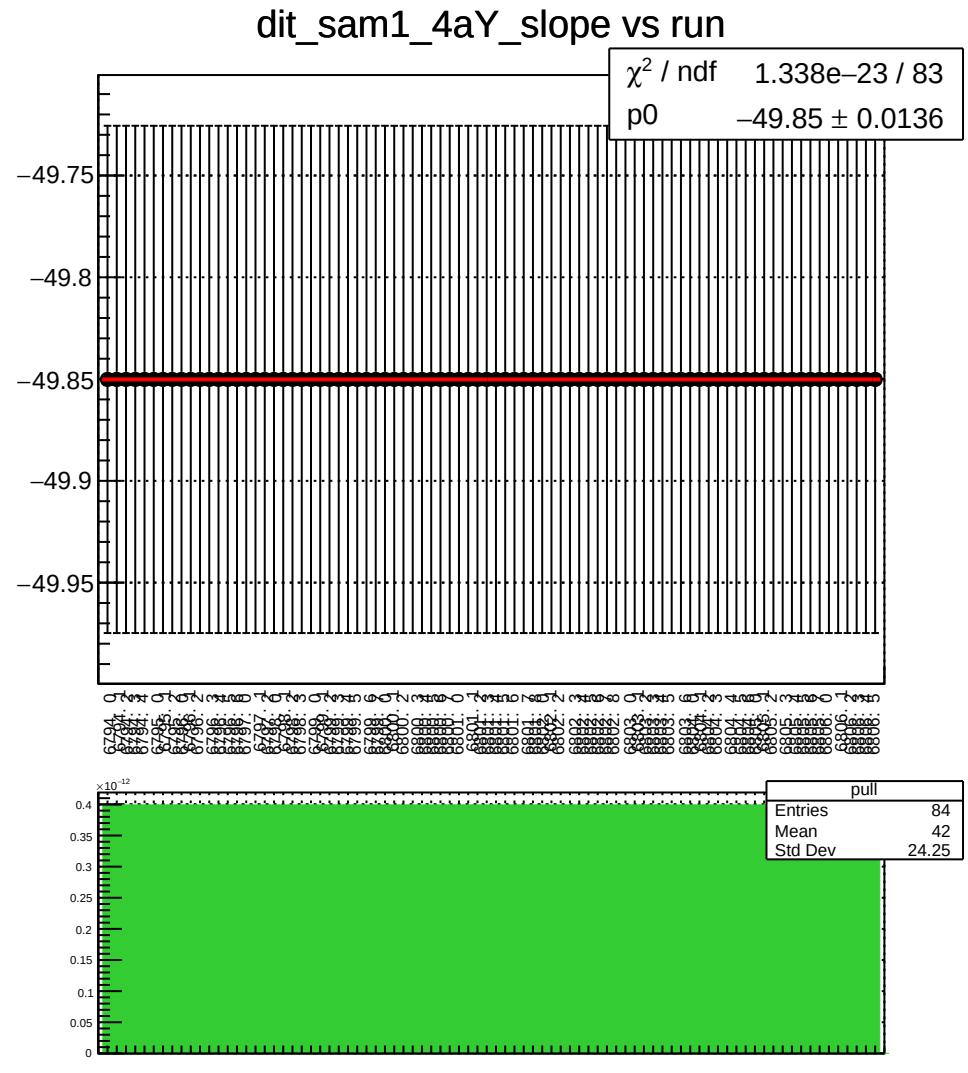

pull1D
Entries 84
Mean −4.245e−15
Std Dev1.401e−22

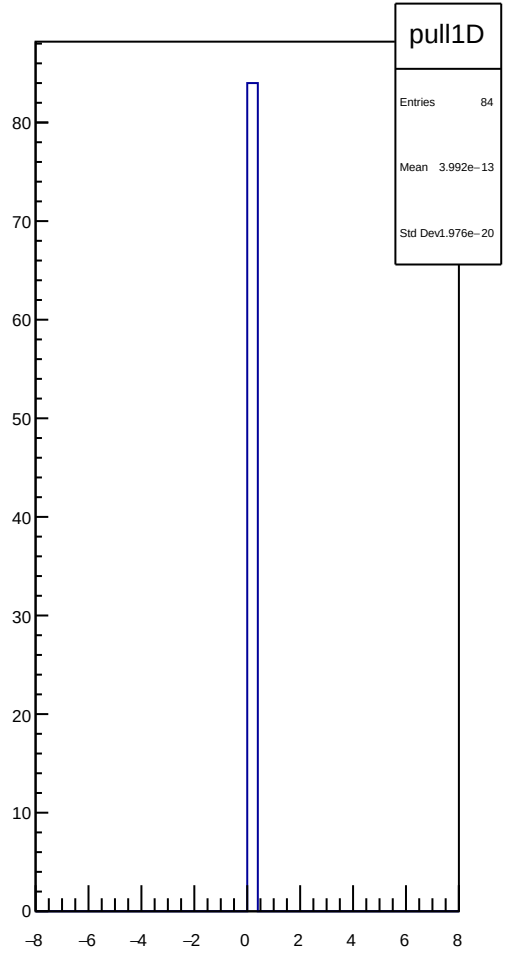

dit_atr2_4eY_slope vs run
χ^2 / ndf 5.119e−25 / 83
p0 118.7 ± 0.1589
120
119.5
119
118.5
118
117.5
117
pull
Entries 84
Mean 42
Std Dev 24.25
pull1D
Entries 84
Mean 7.806e−14
Std Dev4.561e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

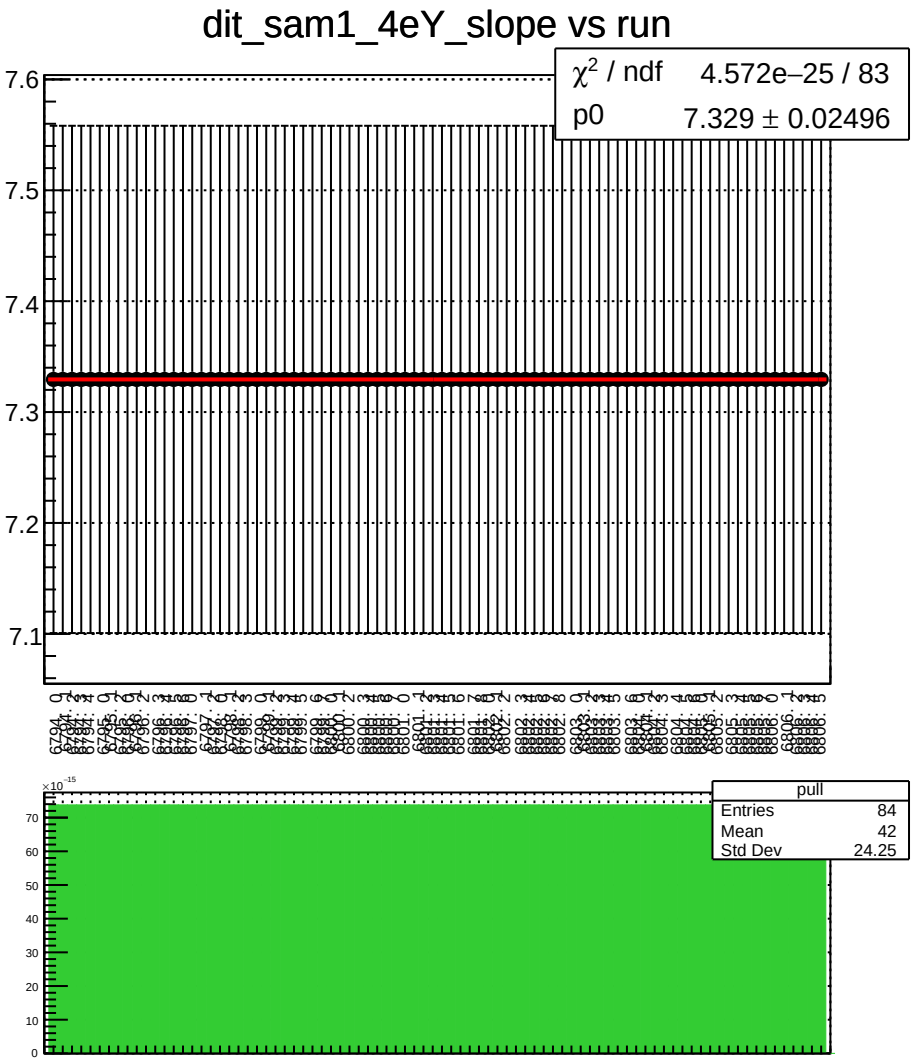

dit_sam1_4aX_slope vs run
χ² / ndf 3.147e−27 / 83
p0 1.144 ± 0.04749
1.6
1.4
1.2
1
0.8
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
pull1D
Entries 84
Mean −6.121e−15
Std Dev1.297e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

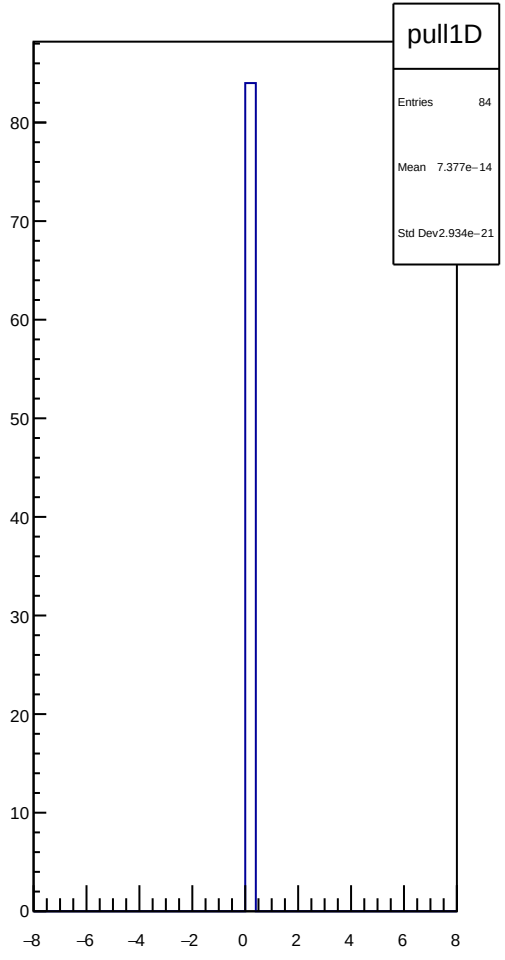

dit_sam1_4eX_slope vs run
χ² / ndf 3.122e−25 / 83
p0 −14.99 ± 0.03815
−14.6
−14.7
−14.8
−14.9
−15
−15.1
−15.2
−15.3
−15.4
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
pull1D
Entries 84
Mean −6.097e−14
Std Dev2.809e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

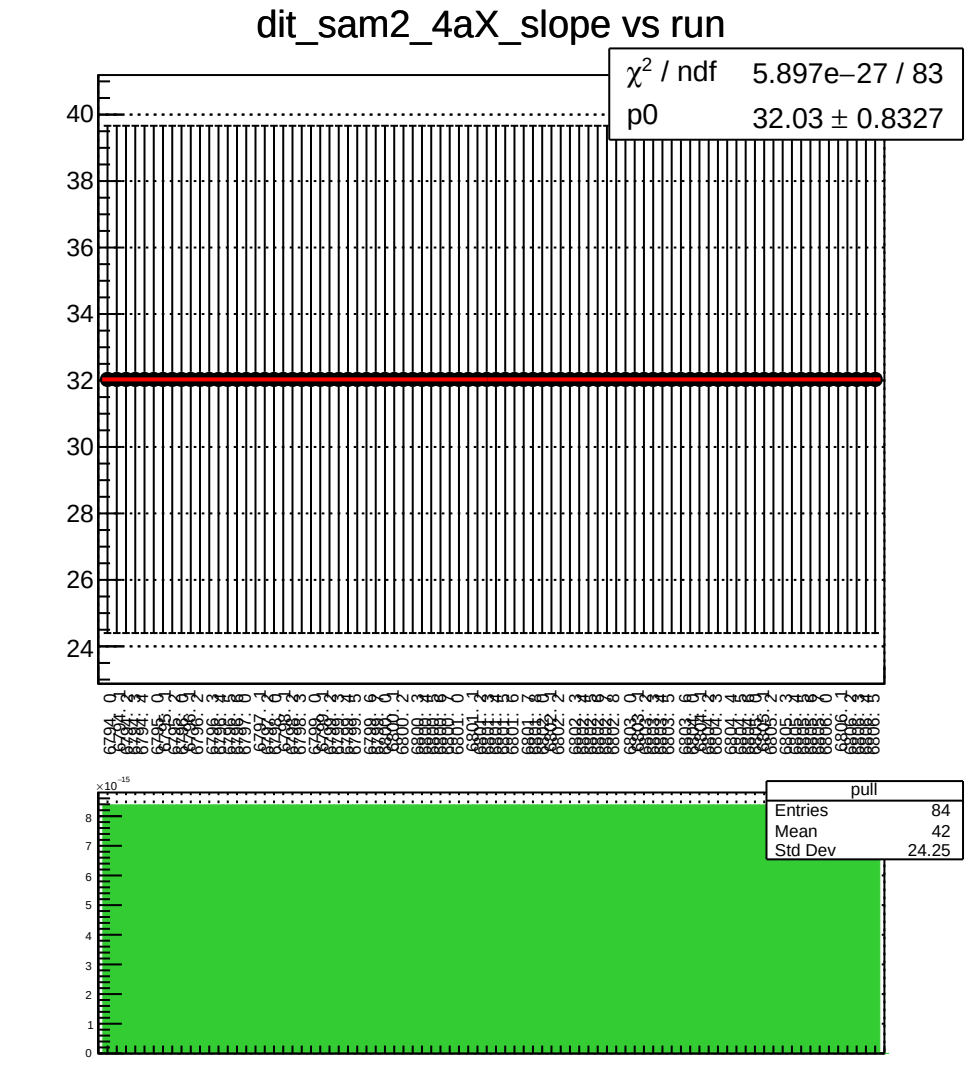

dit_sam1_11X12X_slope vs run
χ² / ndf 6.29e−27 / 83
p0 0.3001 ± 0.0014
0.315
0.31
0.305
0.3
0.295
0.29
0.285
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
pull1D
Entries 84
Mean 8.654e−15
Std Dev 2.801e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

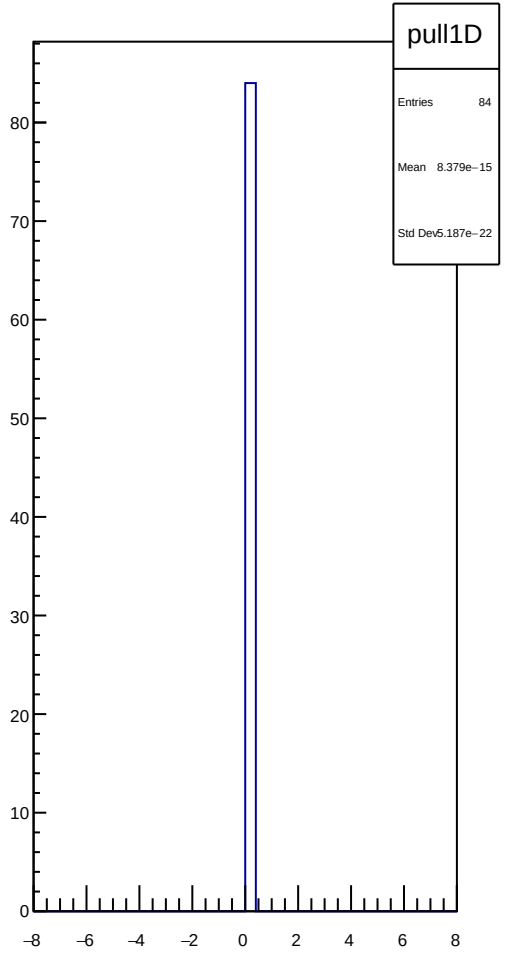

dit_sam1_4aY_slope vs run
χ² / ndf 1.338e−23 / 83
p0 −49.85 ± 0.0136
−49.75
−49.8
−49.85
−49.9
−49.95
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0

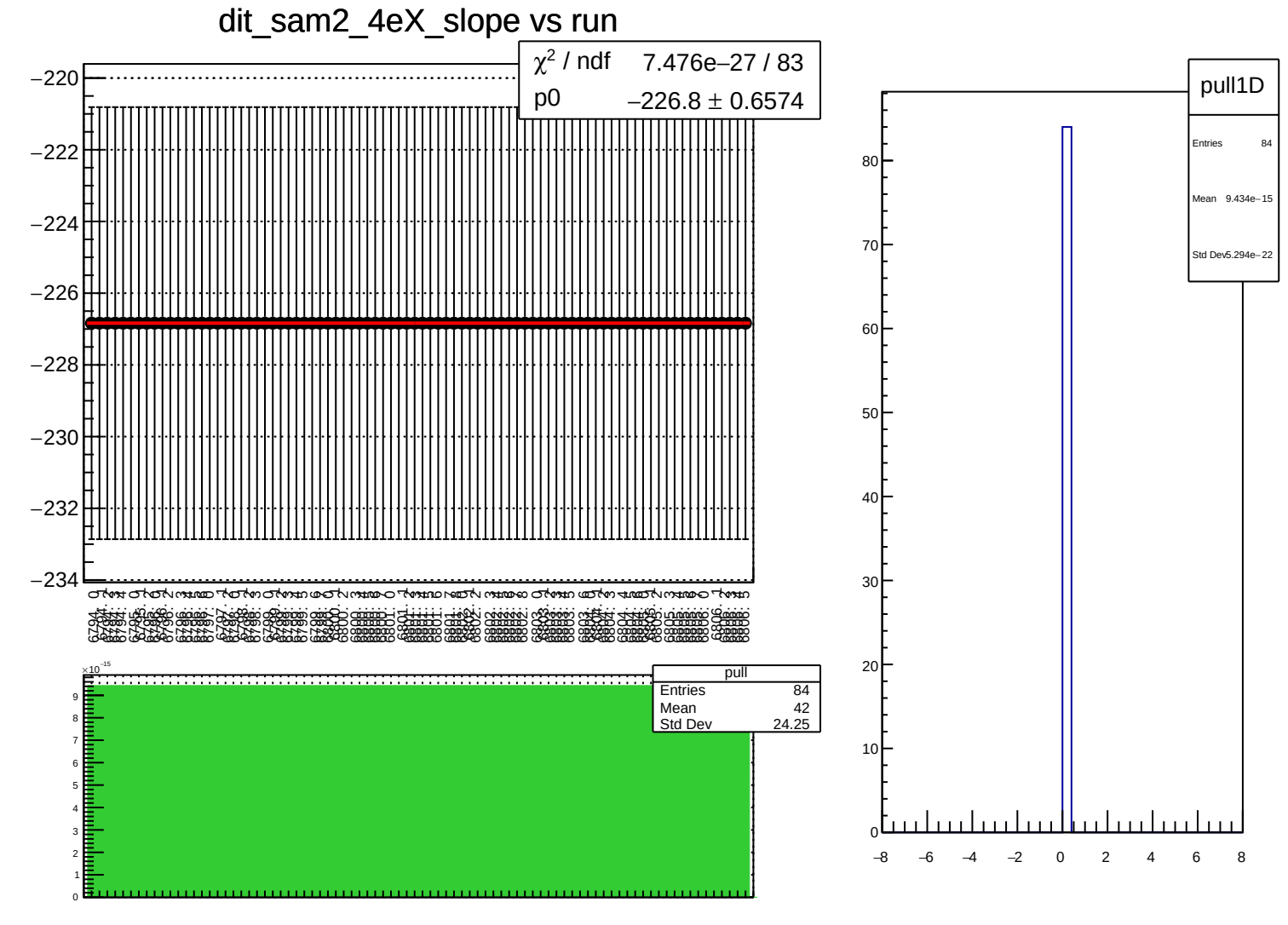

pull1D
Entries 84
Mean 3.992e−13
Std Dev1.976e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

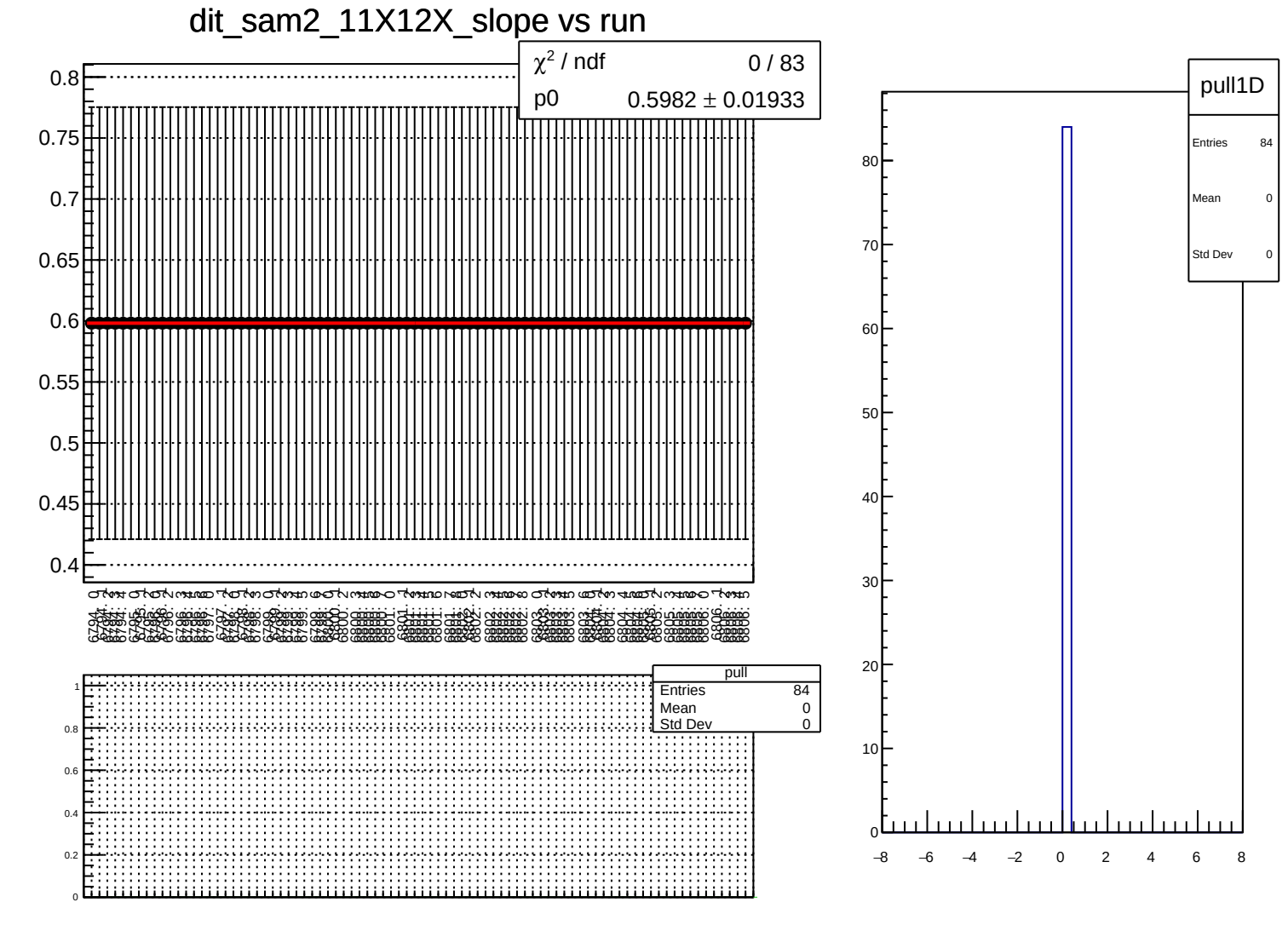

dit_sam1_4eY_slope vs run
χ² / ndf 4.572e−25 / 83
p0 7.329 ± 0.02496
7.6
7.5
7.4
7.3
7.2
7.1
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
70
60
50
40
30
20
10
0

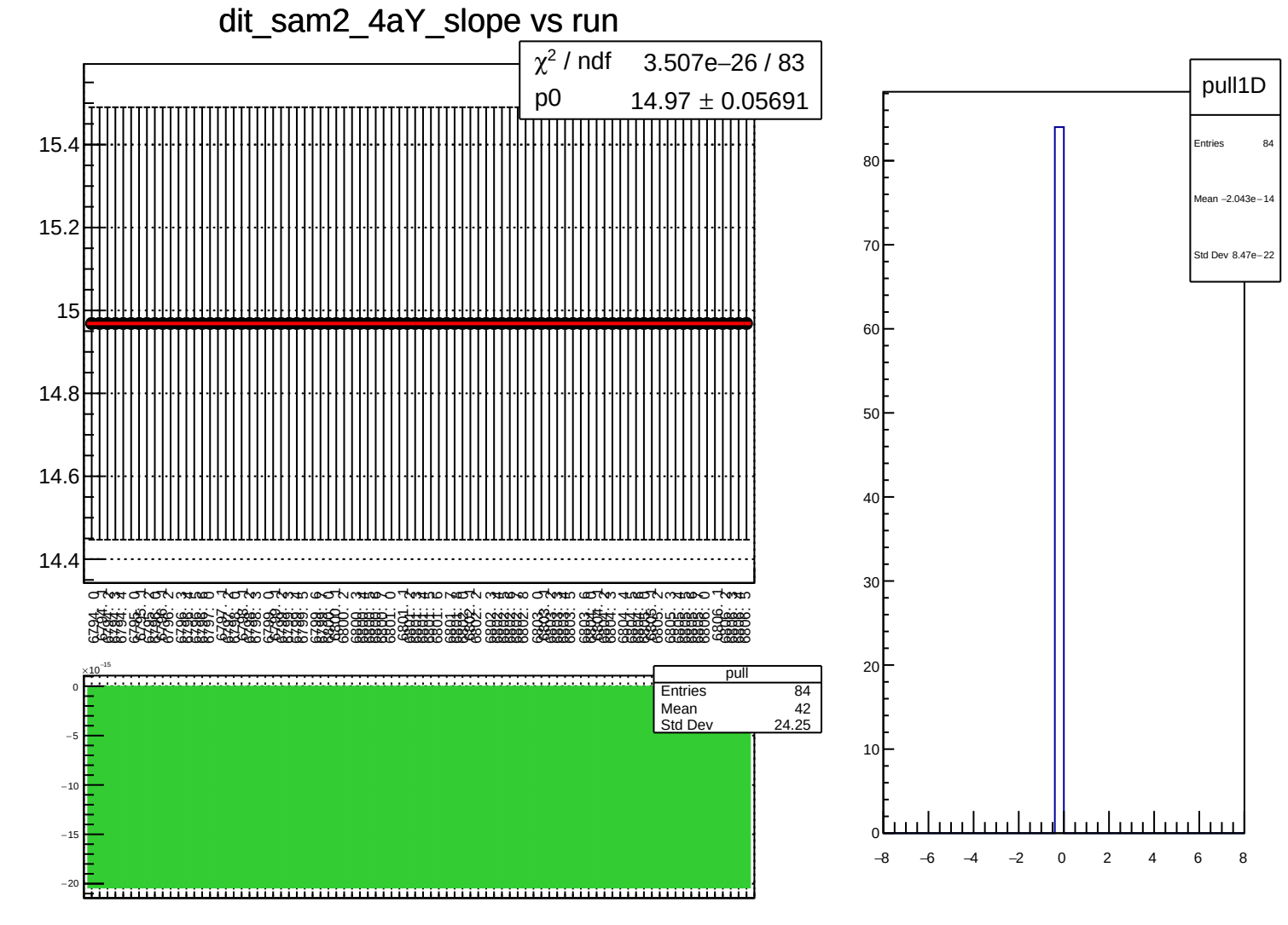

pull1D
Entries 84
Mean 7.377e−14
Std Dev2.934e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

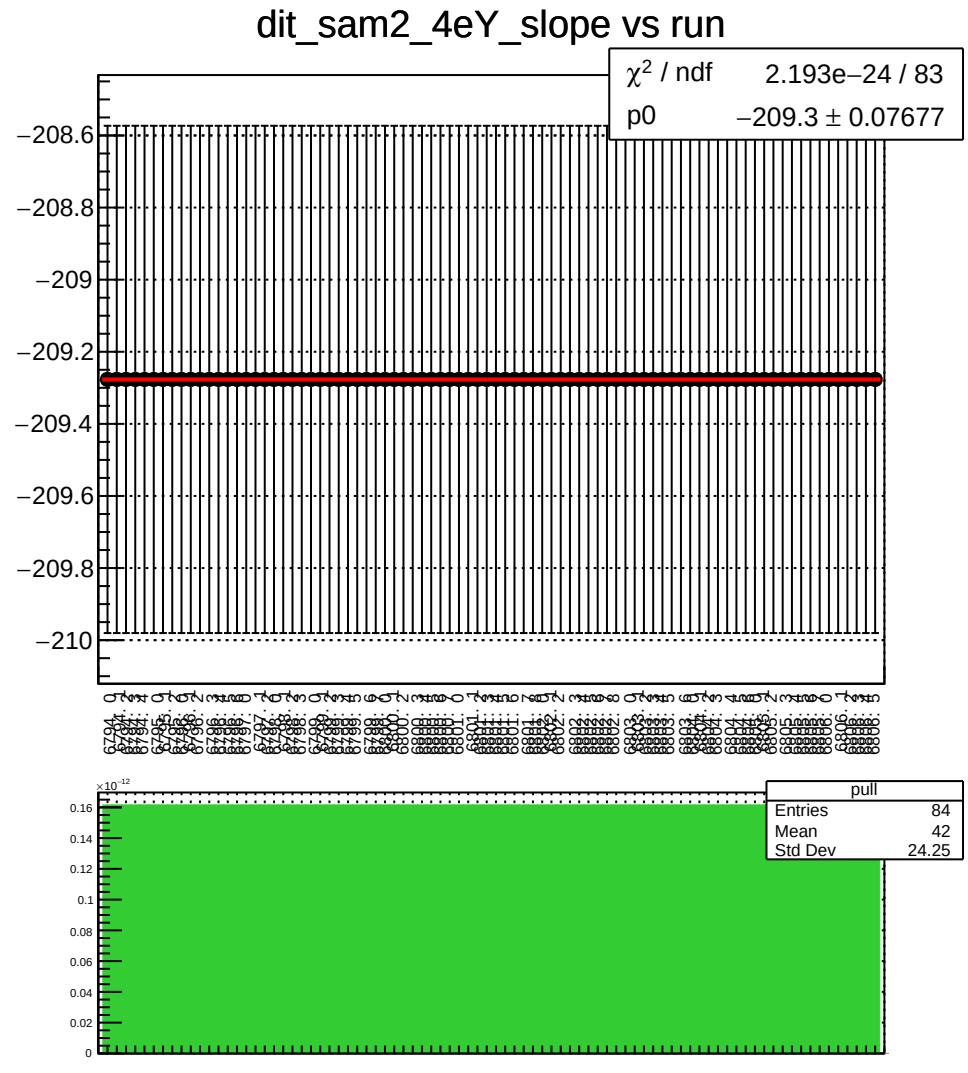

dit_sam2_4aX_slope vs run
χ² / ndf 5.897e−27 / 83
p0 32.03 ± 0.8327
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵

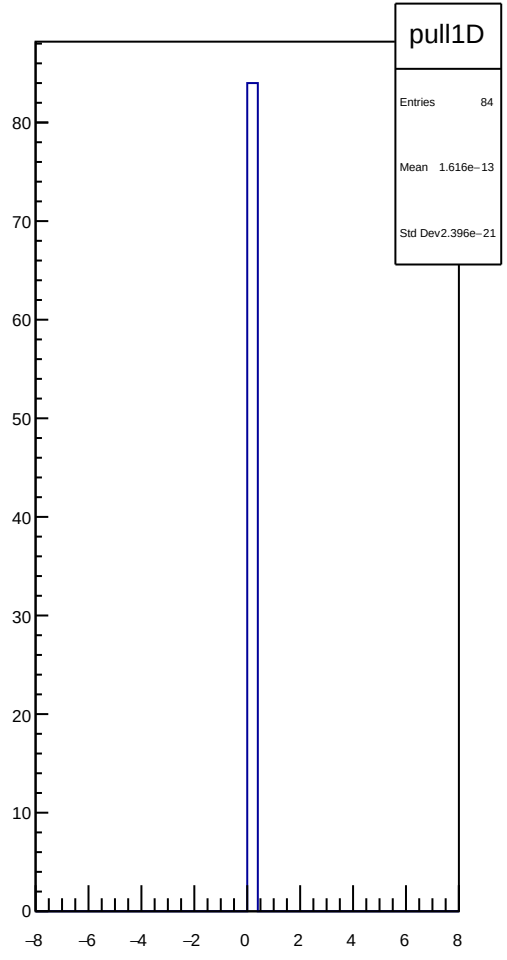

pull1D
Entries 84
Mean 8.379e−15
Std Dev 5.187e−22

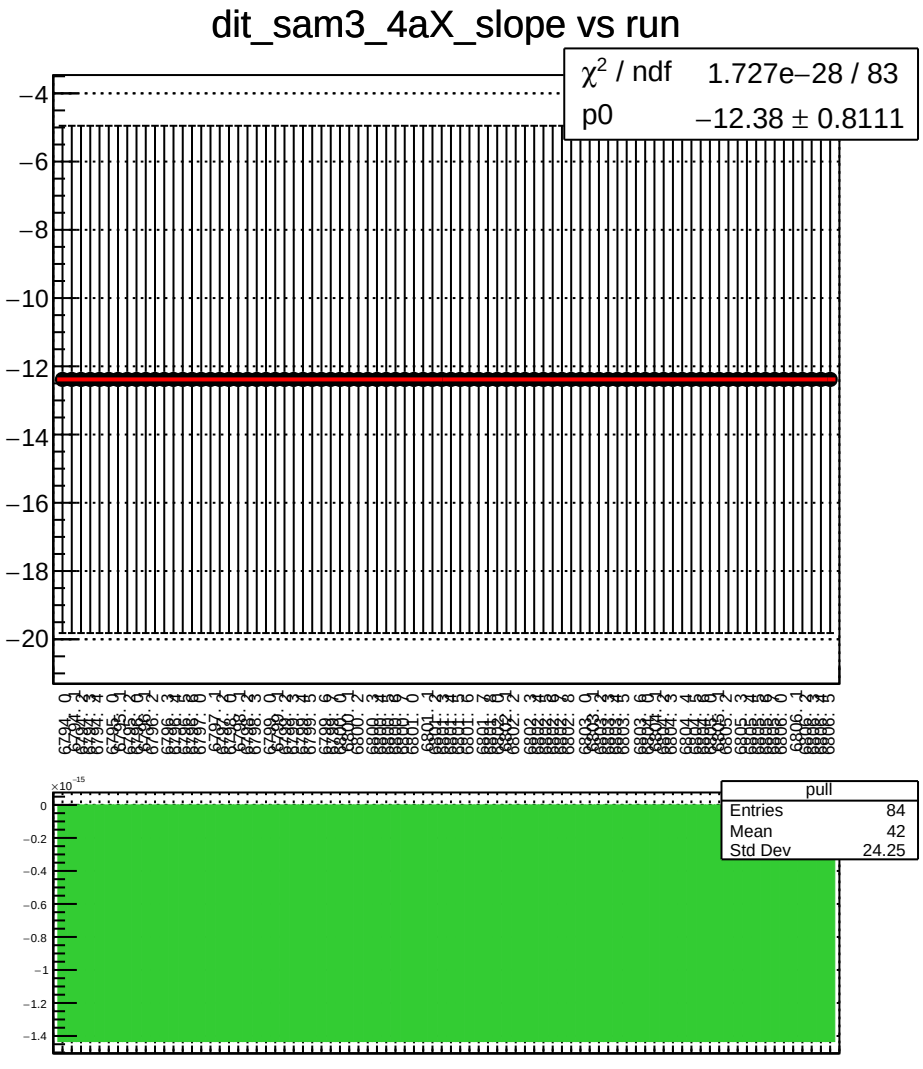

dit_sam2_4eX_slope vs run
χ² / ndf 7.476e−27 / 83
p0 −226.8 ± 0.6574
pull
Entries 84
Mean 42
Std Dev 24.25
pull1D
Entries 84
Mean 9.434e−15
Std Dev 5.294e−22

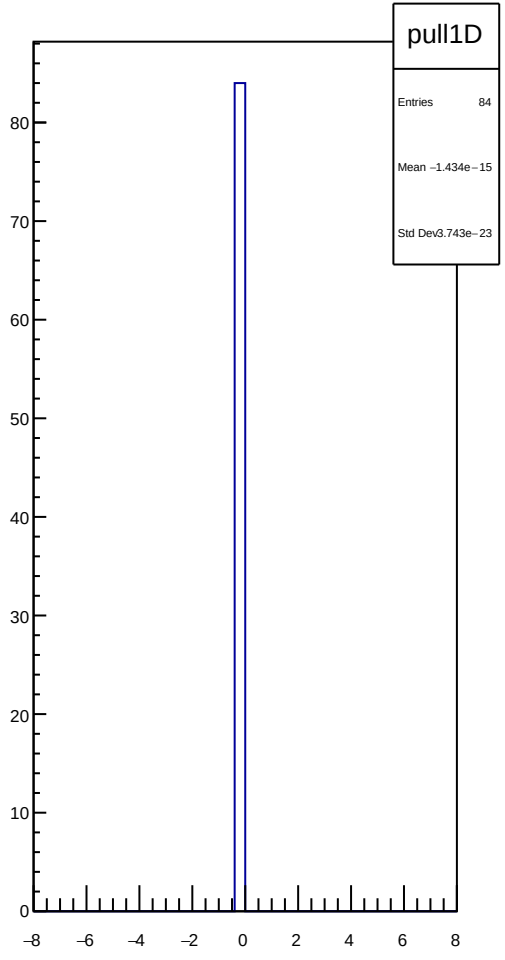

dit_sam2_11X12X_slope vs run
χ² / ndf 0 / 83
p0 0.5982 ± 0.01933
pull
Entries 84
Mean 0
Std Dev 0
pull1D
Entries 84
Mean 0
Std Dev 0

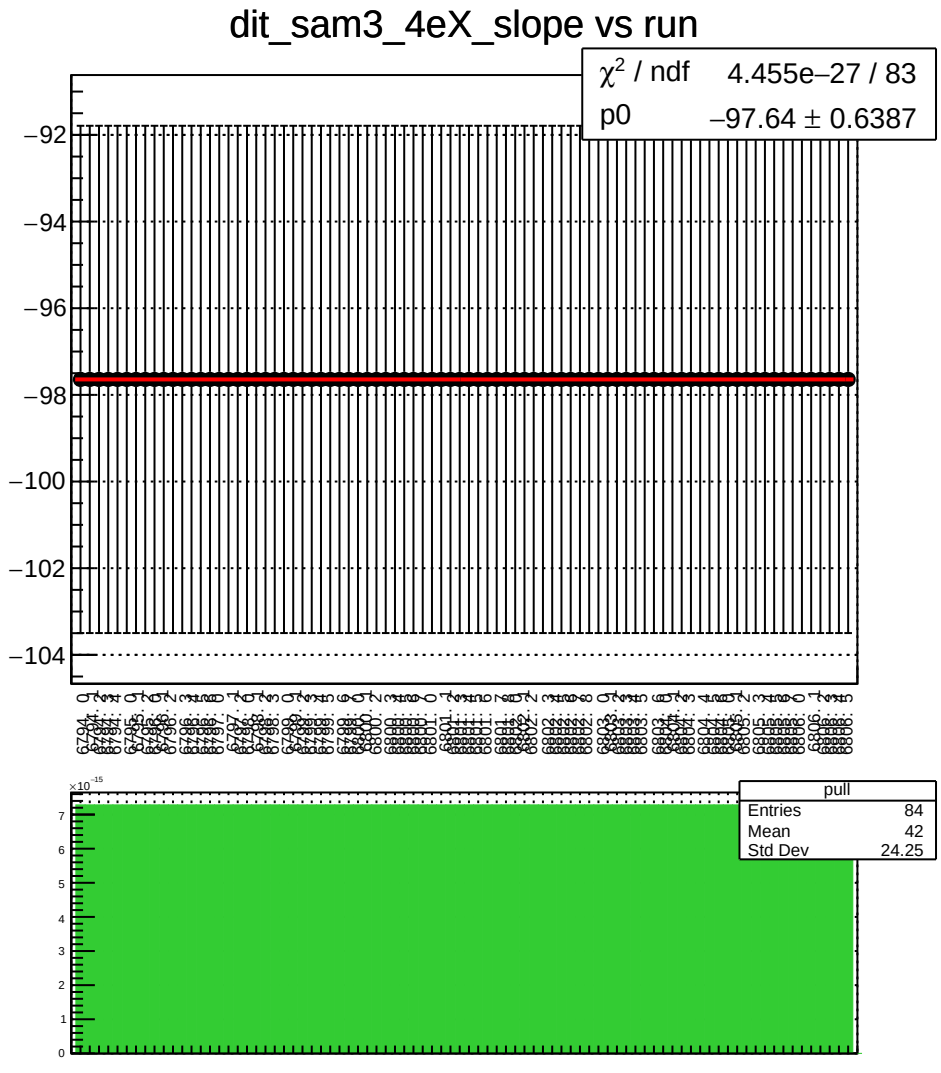

dit_sam2_4aY_slope vs run
χ² / ndf 3.507e−26 / 83
p0 14.97 ± 0.05691
15.4
15.2
15
14.8
14.6
14.4
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−5
−10
−15
−20
pull1D
Entries 84
Mean −2.043e−14
Std Dev 8.47e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

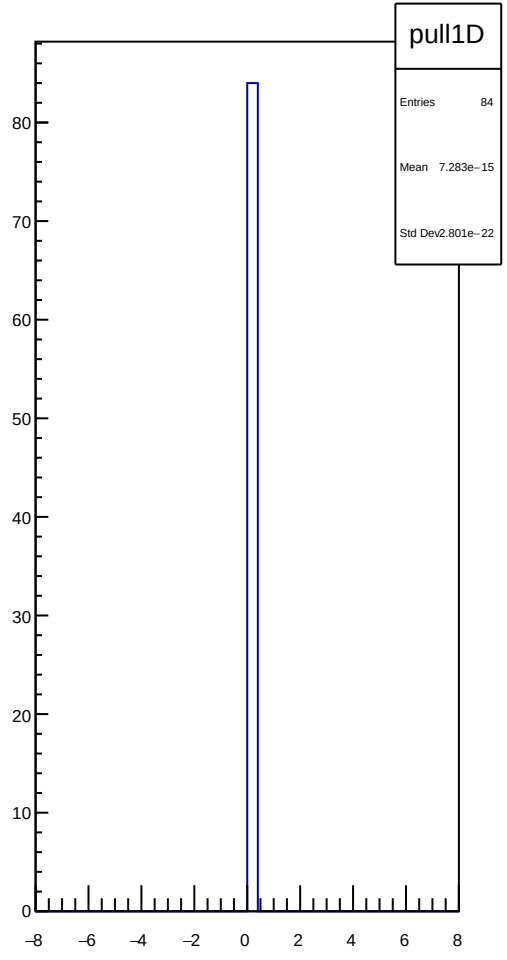

dit_sam2_4eY_slope vs run
χ² / ndf 2.193e−24 / 83
p0 −209.3 ± 0.07677
−208.6
−208.8
−209
−209.2
−209.4
−209.6
−209.8
−210
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

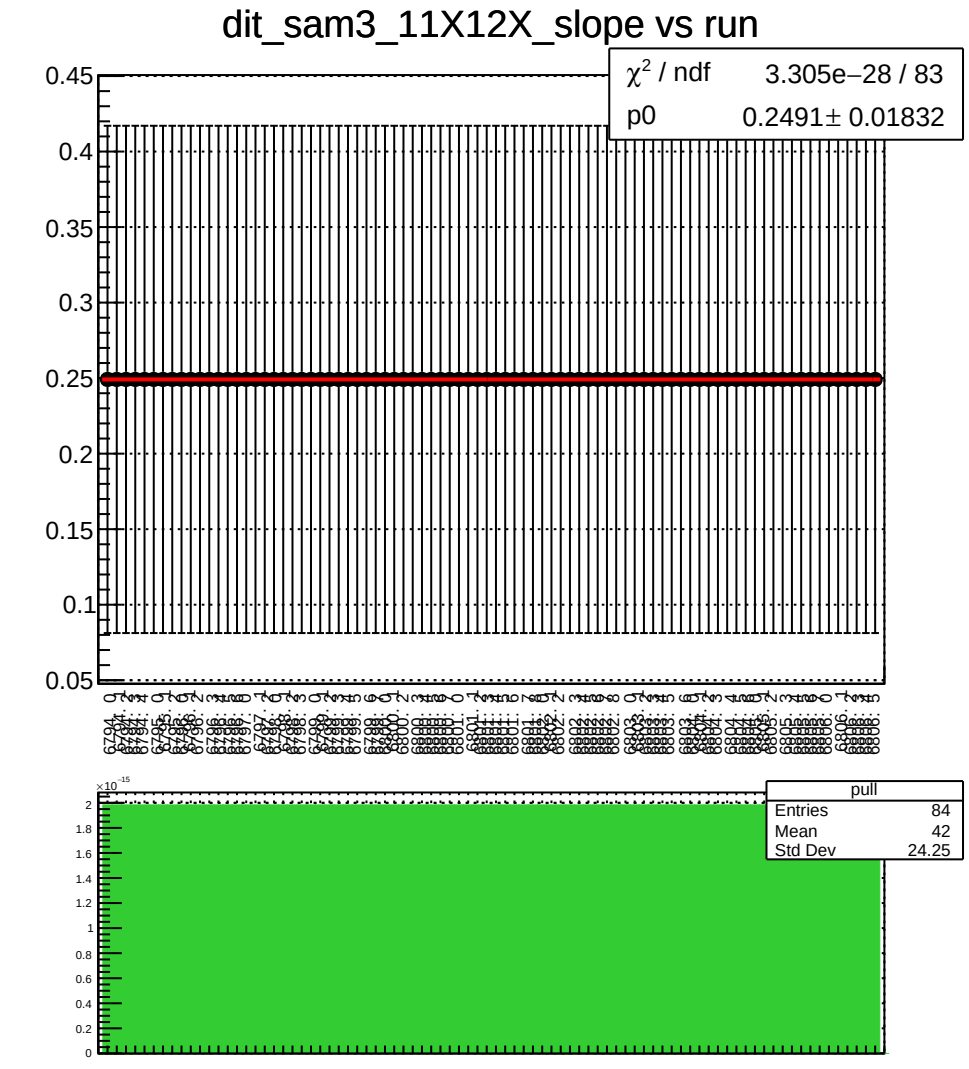

pull1D
Entries 84
Mean 1.616e−13
Std Dev2.396e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

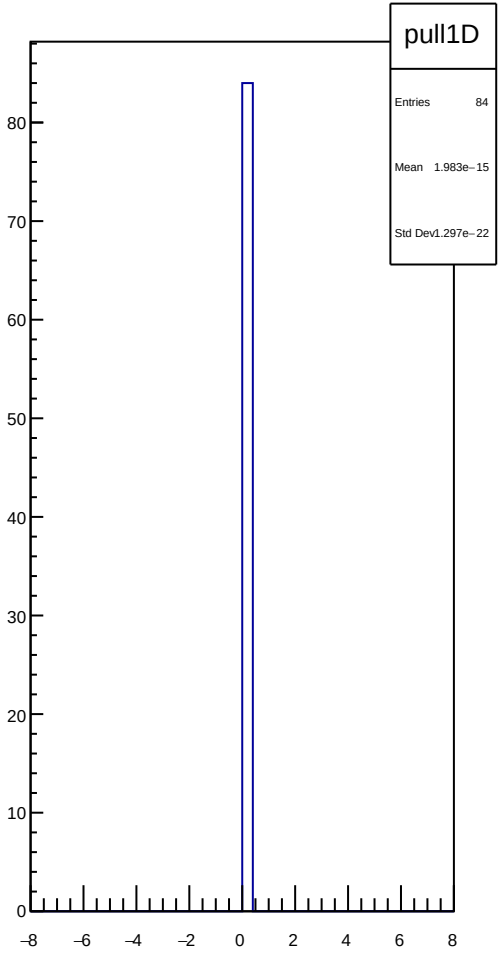

dit_sam3_4aX_slope vs run
χ² / ndf 1.727e−28 / 83
p0 −12.38 ± 0.8111
pull
Entries 84
Mean 42
Std Dev 24.25

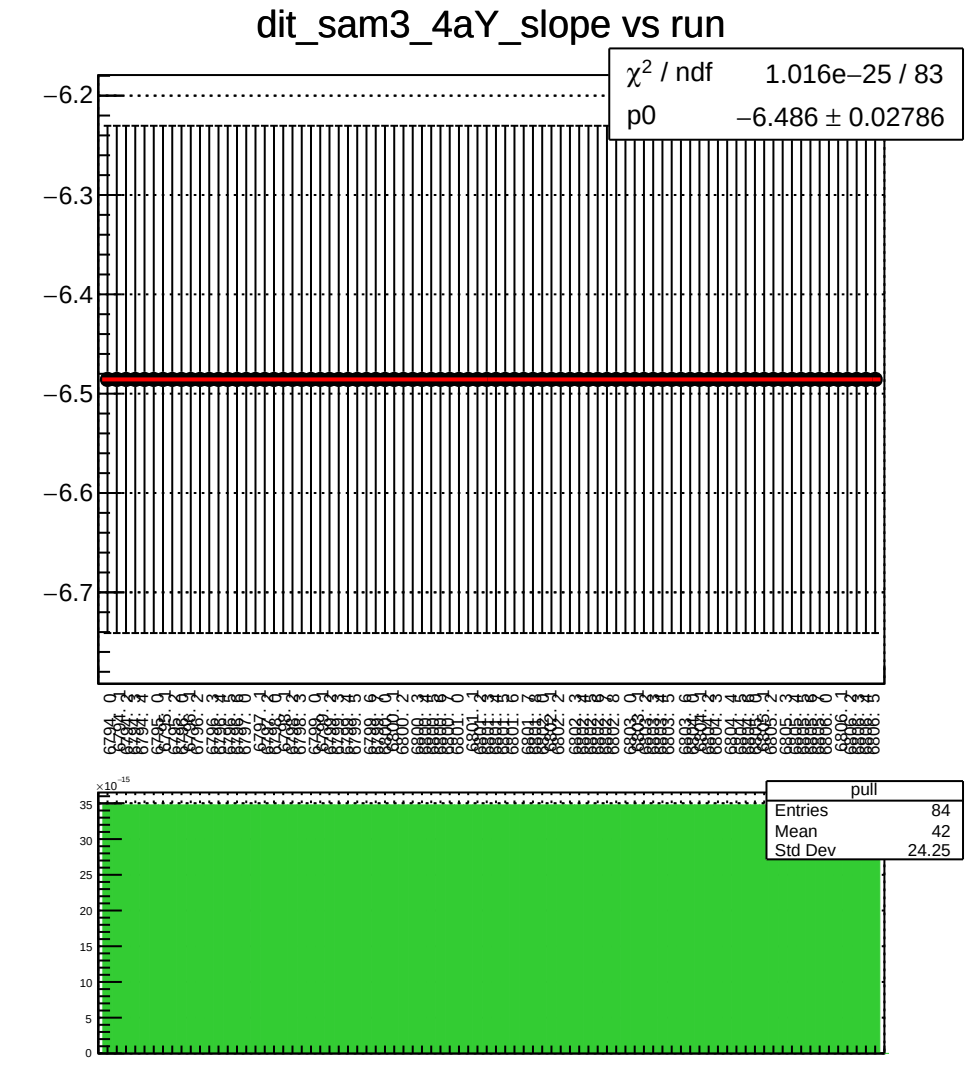

pull1D
Entries 84
Mean −1.434e−15
Std Dev 3.743e−23

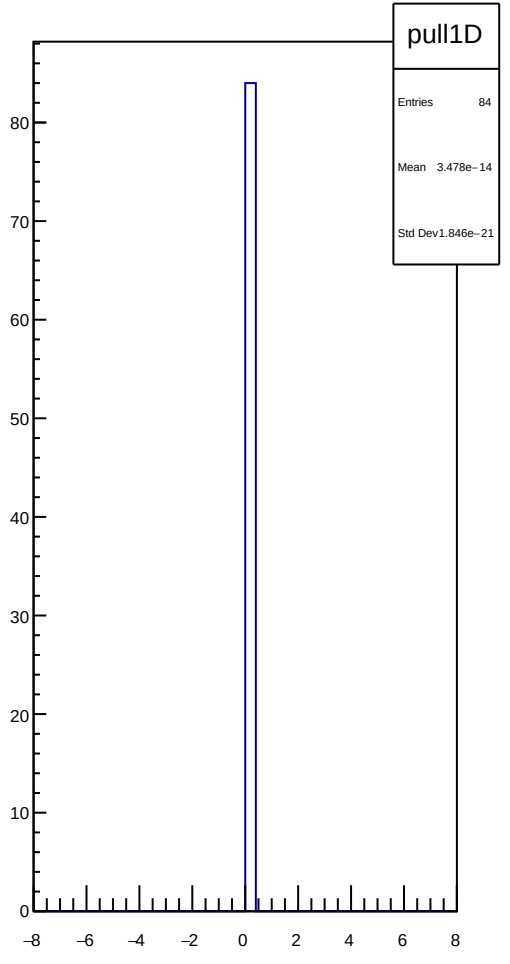

dit_sam3_4eX_slope vs run
χ² / ndf 4.455e−27 / 83
p0 −97.64 ± 0.6387
−92
−94
−96
−98
−100
−102
−104
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
7
6
5
4
3
2
1
0

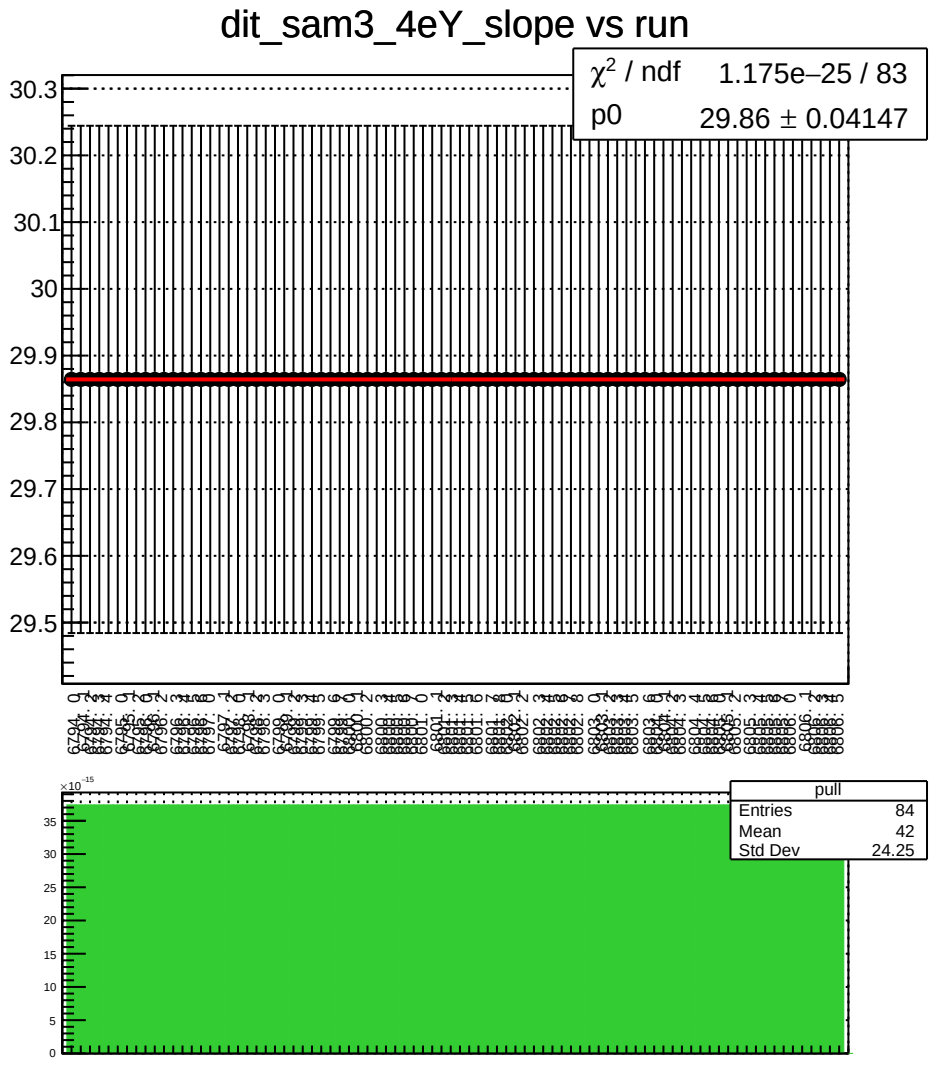

pull1D
Entries 84
Mean 7.283e−15
Std Dev 2.801e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

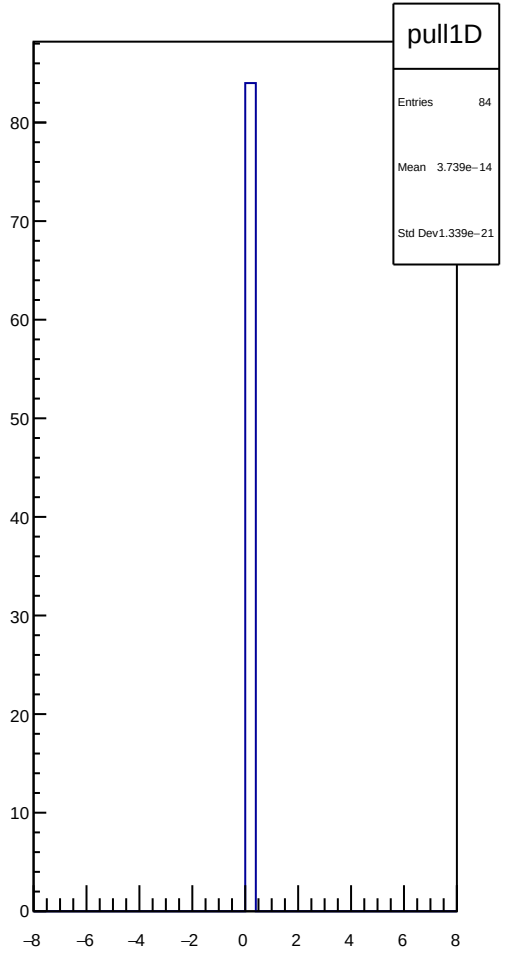

dit_sam3_11X12X_slope vs run
χ² / ndf 3.305e−28 / 83
p0 0.2491± 0.01832
pull
Entries 84
Mean 42
Std Dev 24.25

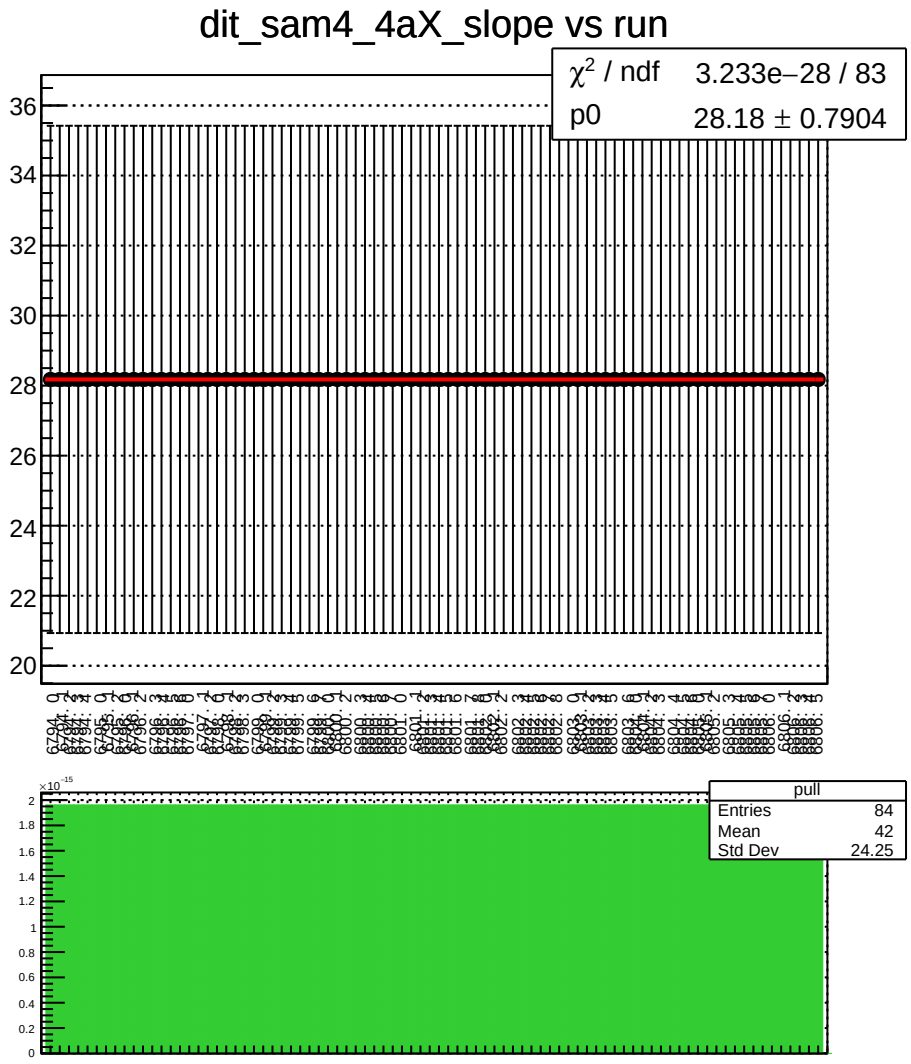

pull1D
Entries 84
Mean 1.983e−15
Std Dev1.297e−22

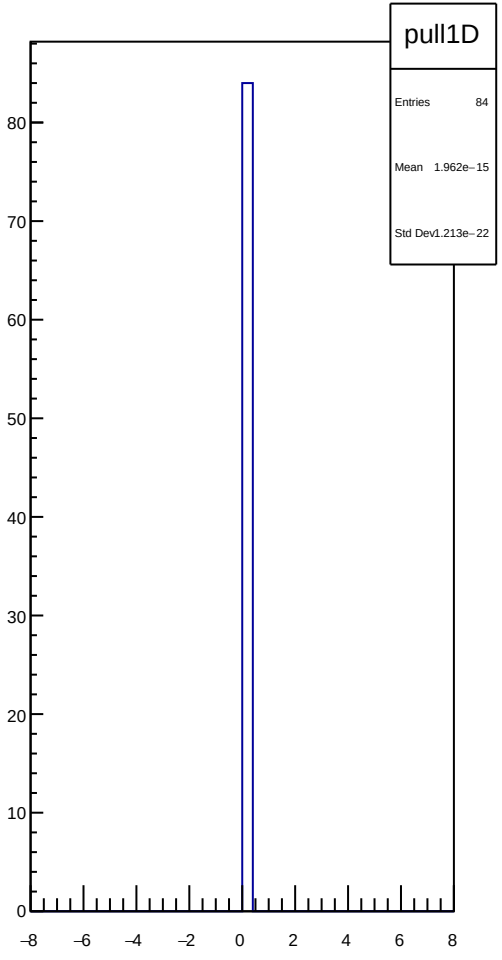

dit_sam3_4aY_slope vs run
χ² / ndf 1.016e−25 / 83
p0 −6.486 ± 0.02786
−6.2
−6.3
−6.4
−6.5
−6.6
−6.7
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
35
30
25
20
15
10
5
0

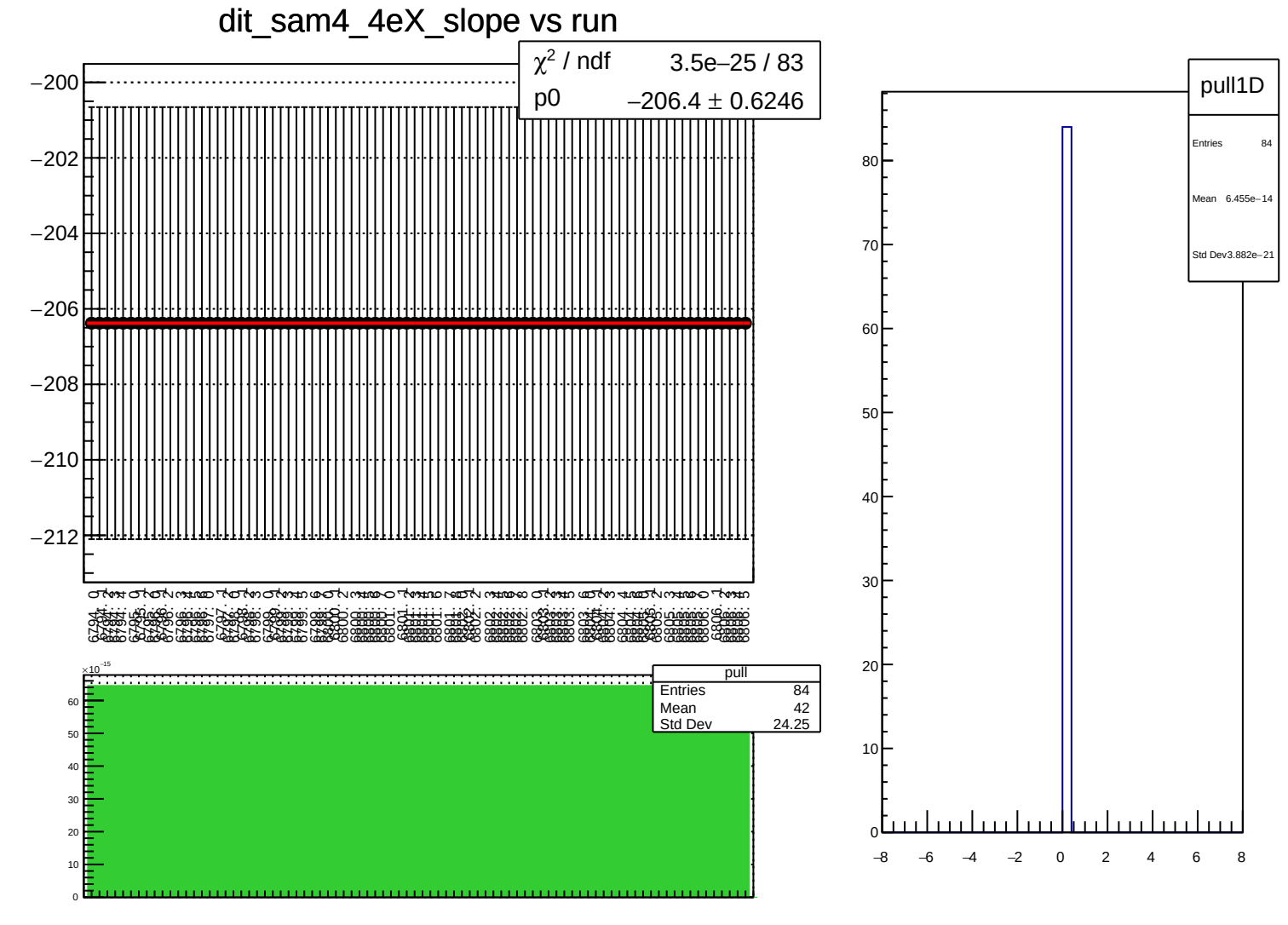

pull1D
Entries 84
Mean 3.478e−14
Std Dev1.846e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

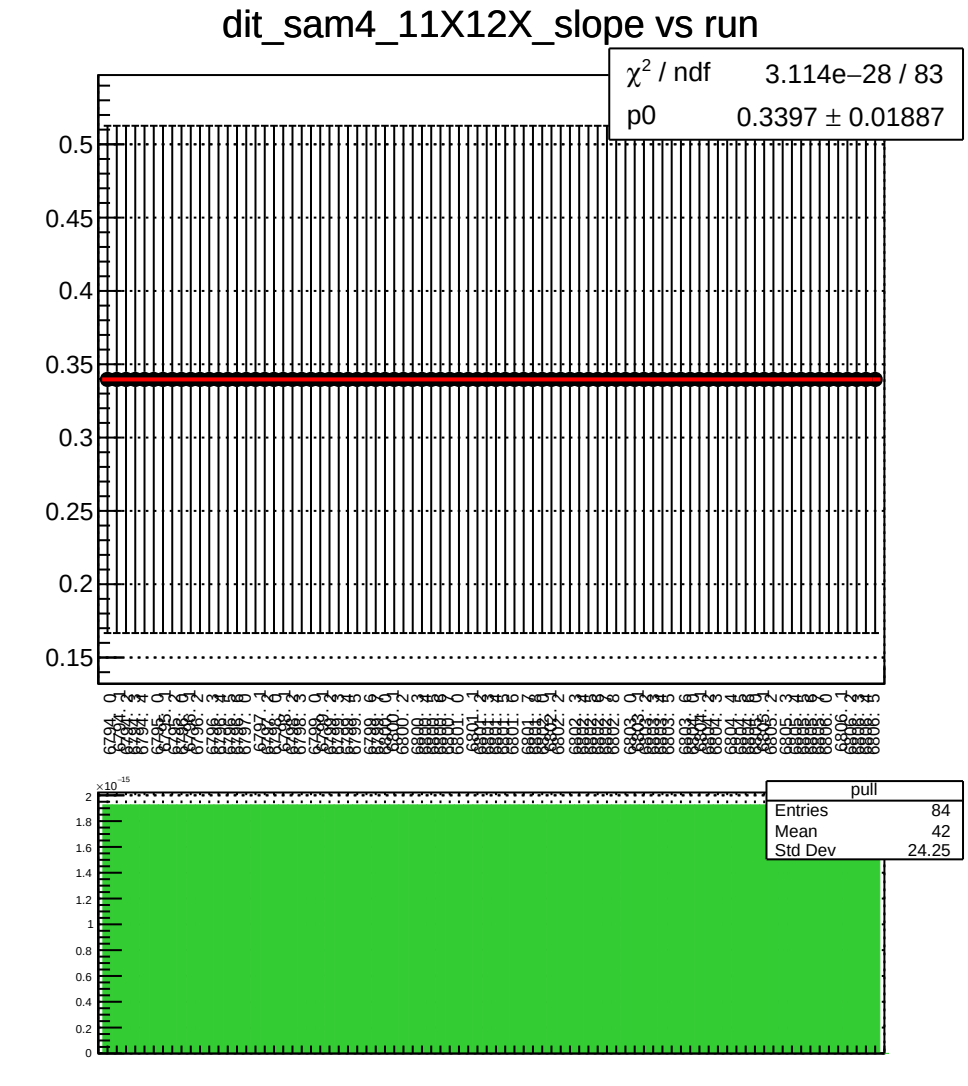

dit_sam3_4eY_slope vs run
χ² / ndf 1.175e−25 / 83
p0 29.86 ± 0.04147
30.3
30.2
30.1
30
29.9
29.8
29.7
29.6
29.5
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
35
30
25
20
15
10
5
0

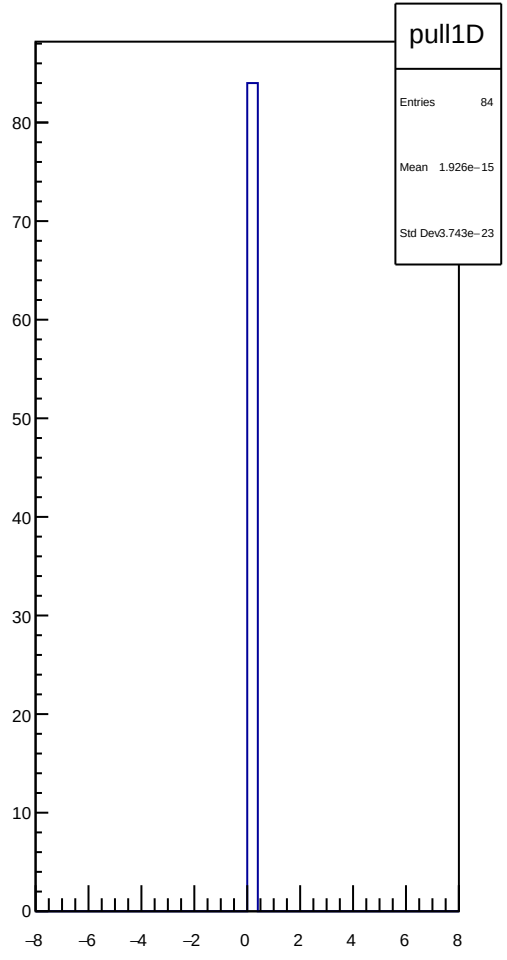

pull1D
Entries 84
Mean 3.739e−14
Std Dev1.339e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

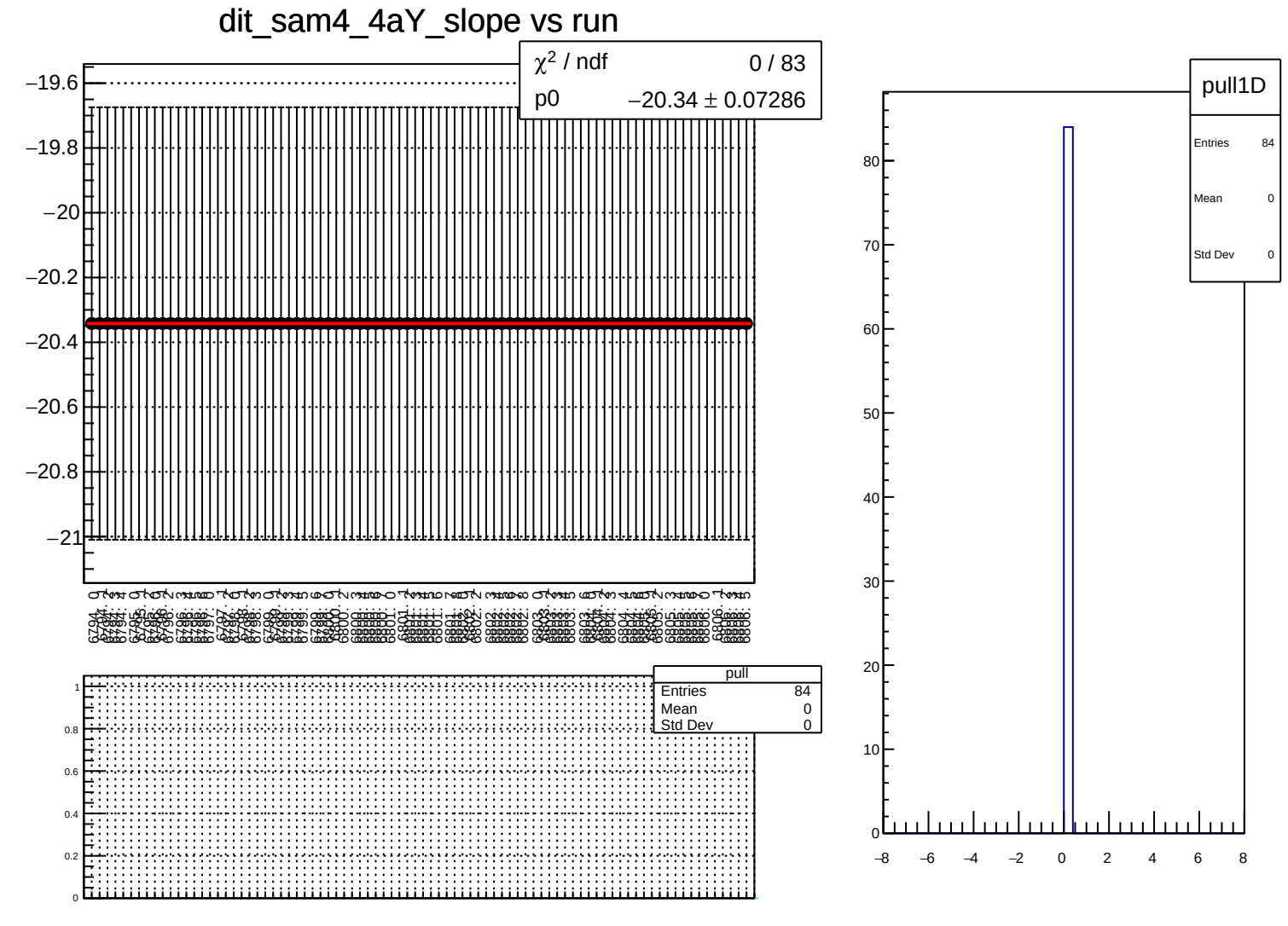

dit_sam4_4aX_slope vs run
χ² / ndf 3.233e−28 / 83
p0 28.18 ± 0.7904
pull
Entries 84
Mean 42
Std Dev 24.25

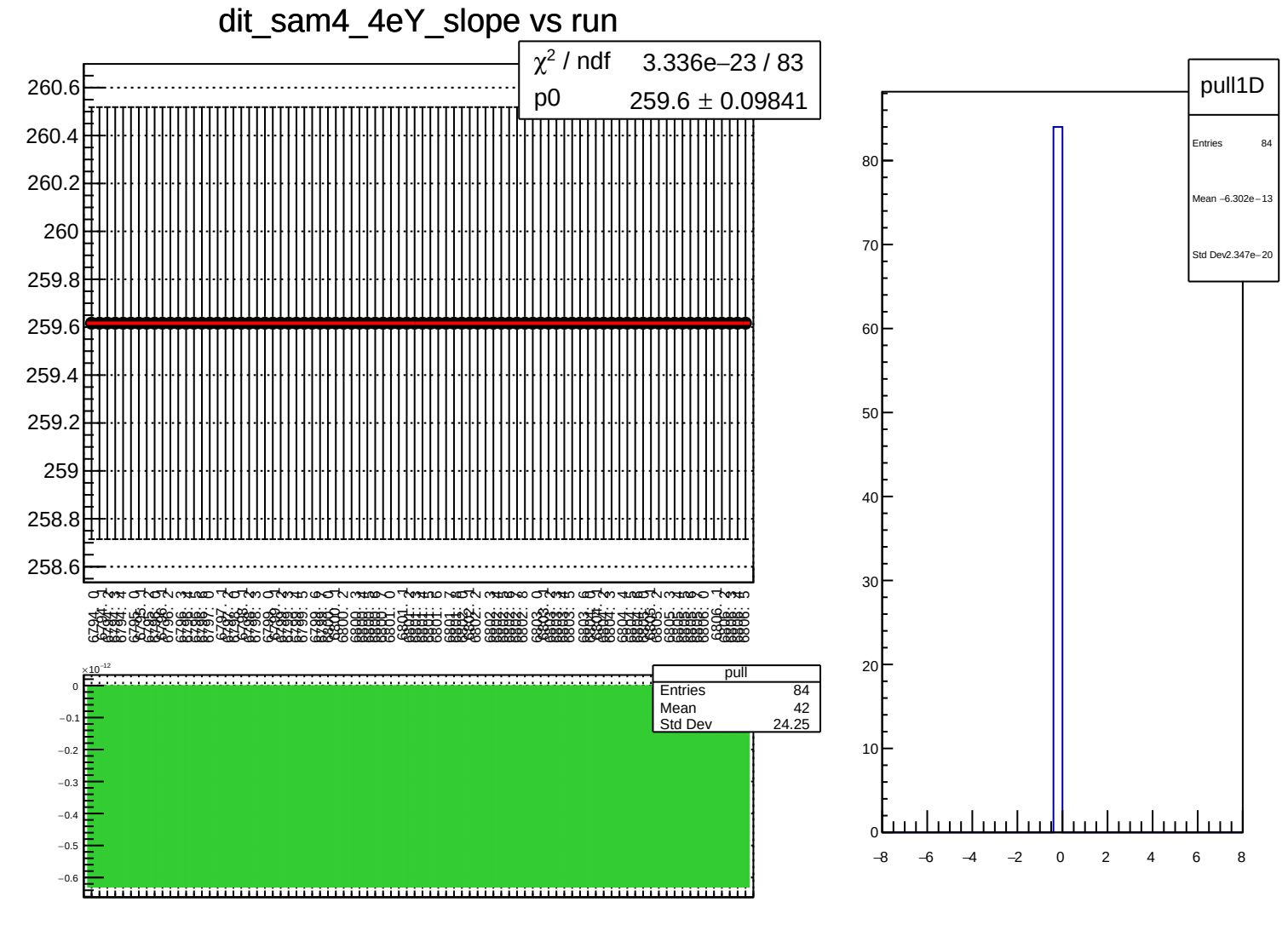

pull1D
Entries 84
Mean 1.962e−15
Std Dev1.213e−22

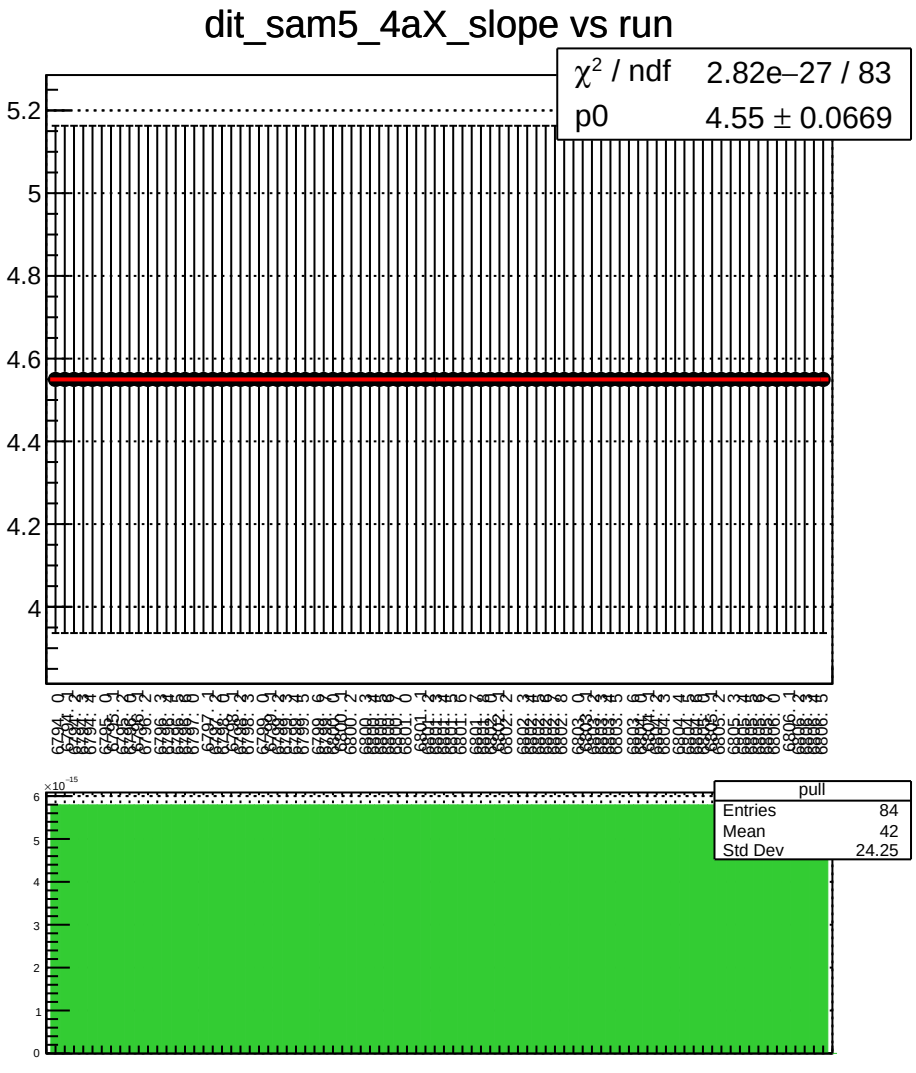

dit_sam4_4eX_slope vs run
χ² / ndf 3.5e−25 / 83
p0 −206.4 ± 0.6246
−200
−202
−204
−206
−208
−210
−212
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
60
50
40
30
20
10
0
pull1D
Entries 84
Mean 6.455e−14
Std Dev3.882e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

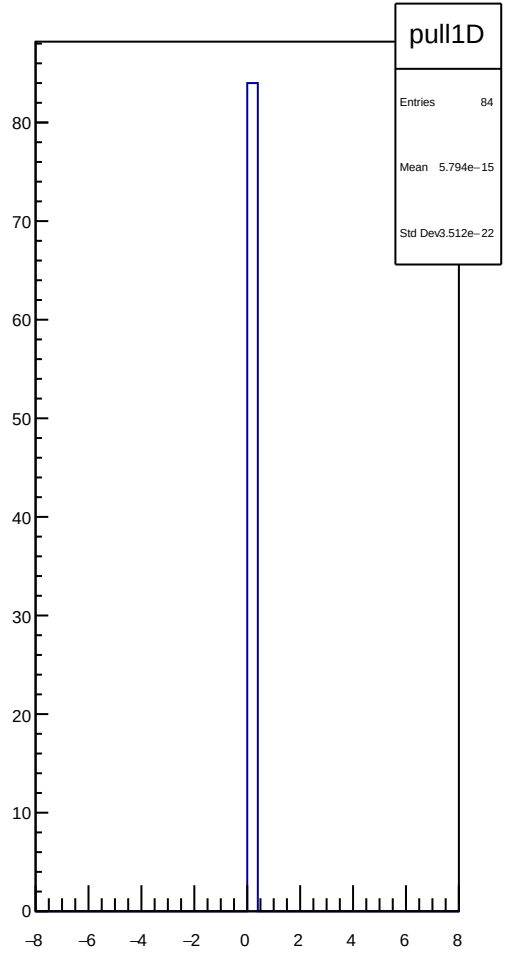

dit_sam4_11X12X_slope vs run
χ² / ndf 3.114e−28 / 83
p0 0.3397 ± 0.01887
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵

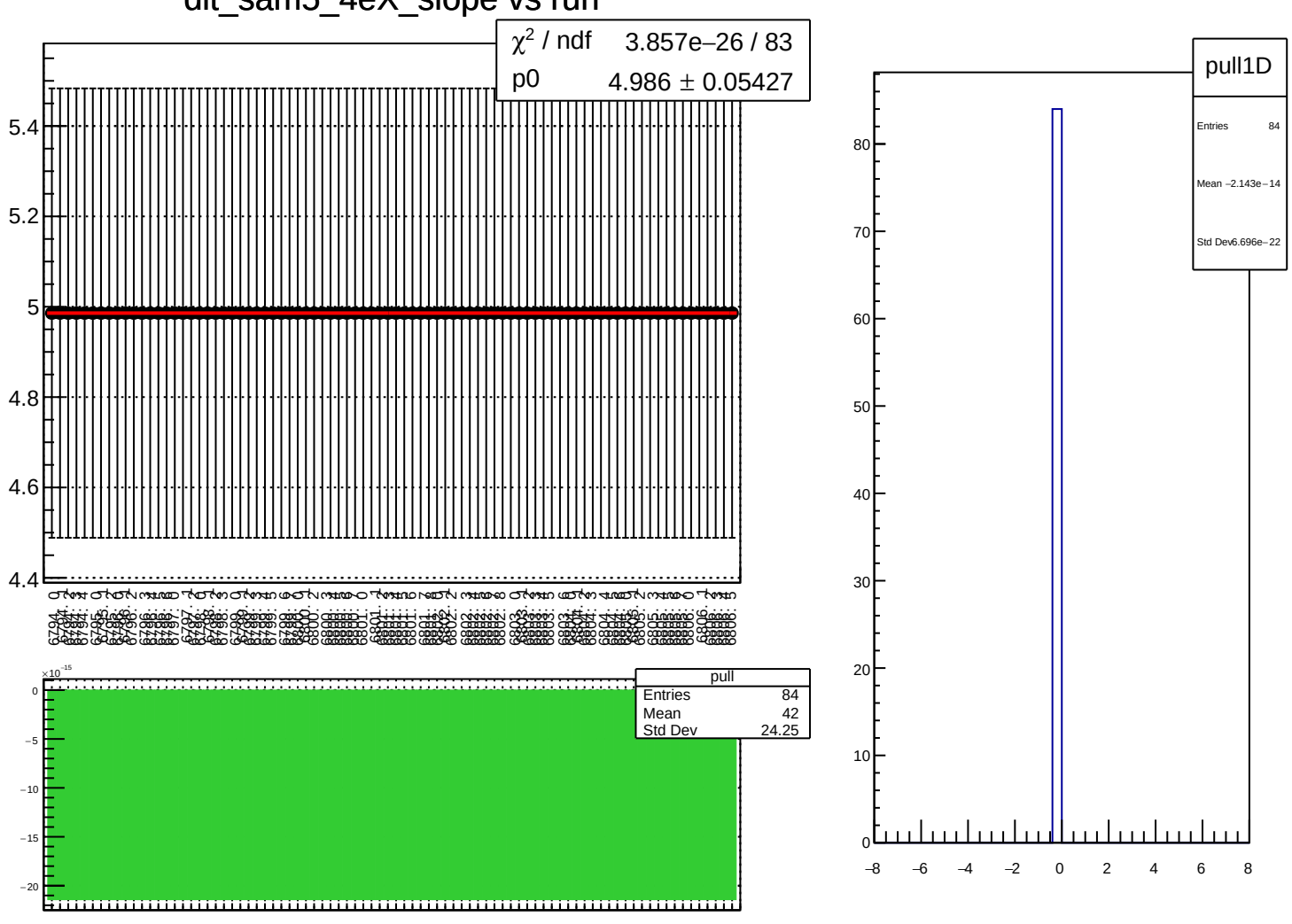

pull1D
Entries 84
Mean 1.926e−15
Std Dev 3.743e−23

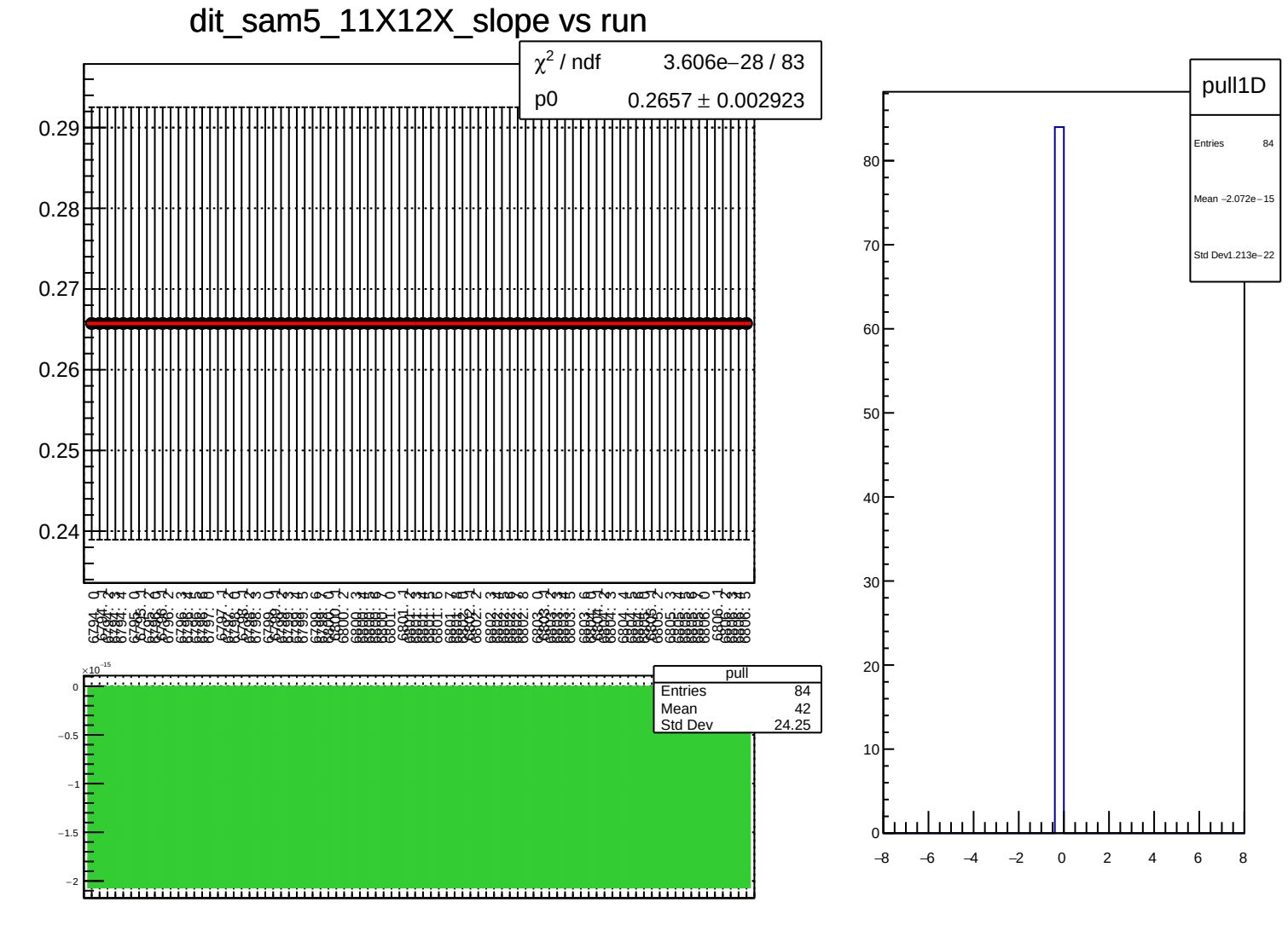

dit_sam4_4aY_slope vs run
χ² / ndf 0 / 83
p0 −20.34 ± 0.07286
−19.6
−19.8
−20
−20.2
−20.4
−20.6
−20.8
−21
pull
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 84
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

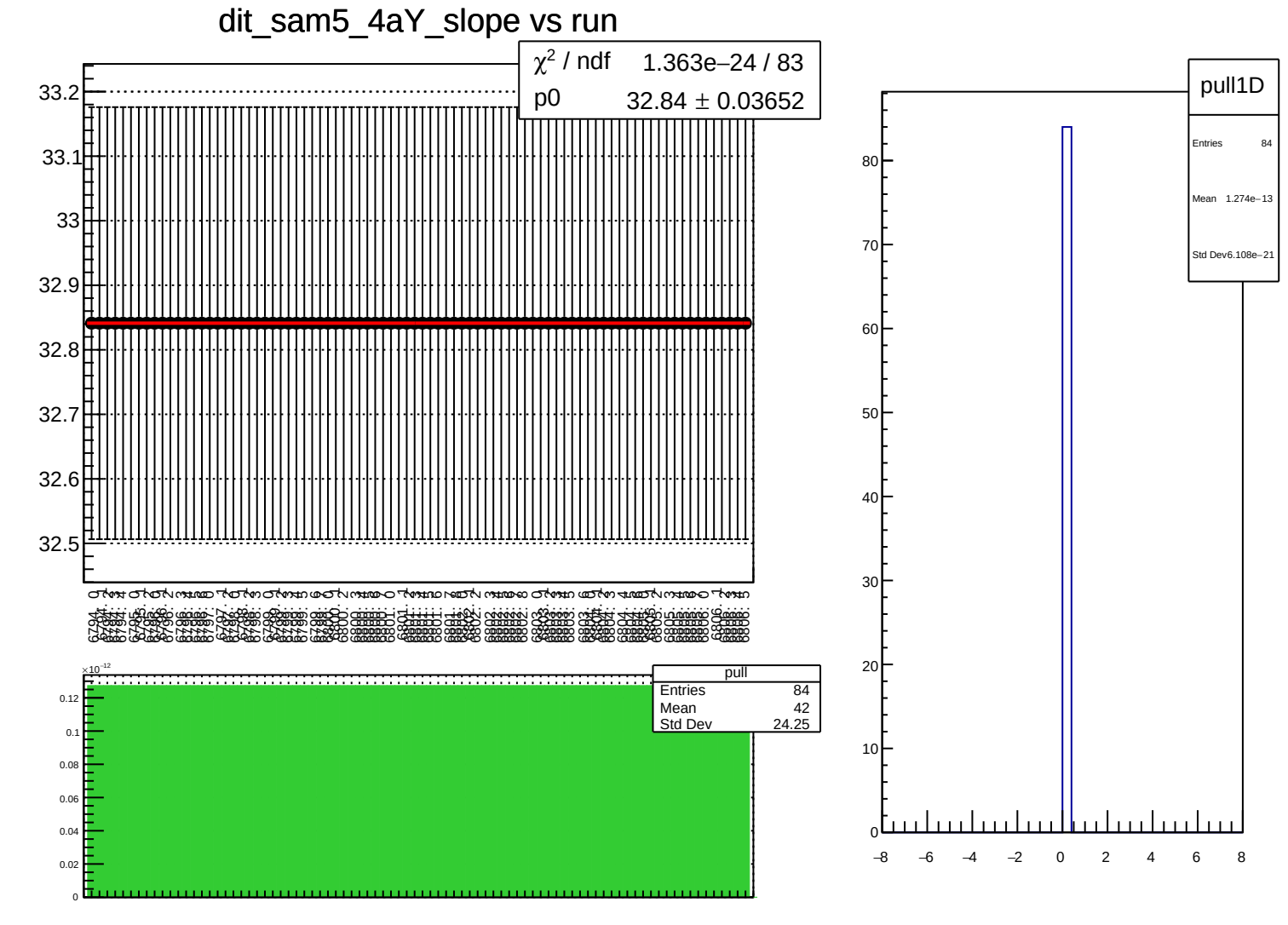

dit_sam4_4eY_slope vs run
χ² / ndf 3.336e−23 / 83
p0 259.6 ± 0.09841
260.6
260.4
260.2
260
259.8
259.6
259.4
259.2
259
258.8
258.6
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
pull1D
Entries 84
Mean −6.302e−13
Std Dev 2.347e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2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

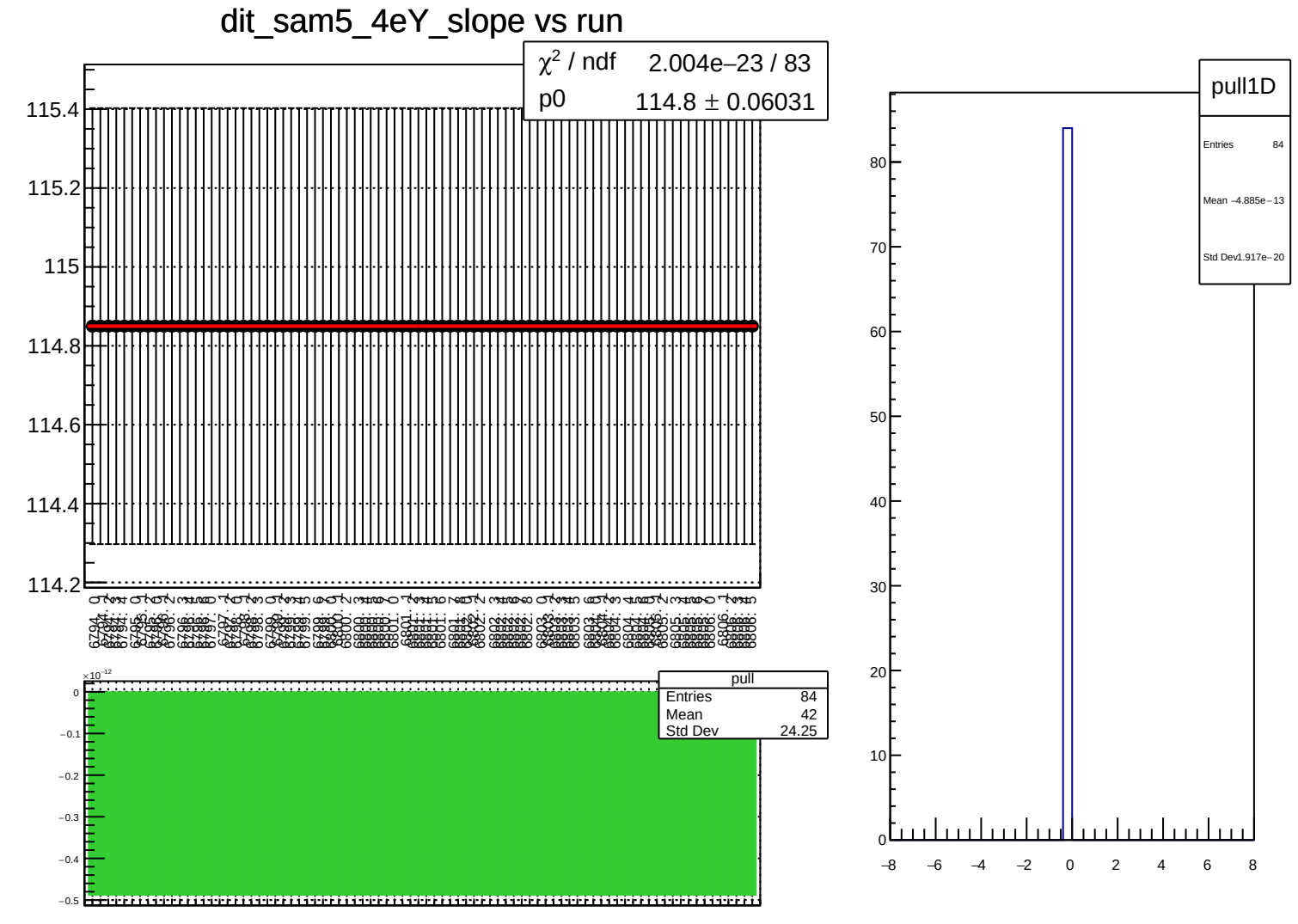

dit_sam5_4aX_slope vs run
χ^2 / ndf 2.82e−27 / 83
p0 4.55 ± 0.0669
pull
Entries 84
Mean 42
Std Dev 24.25

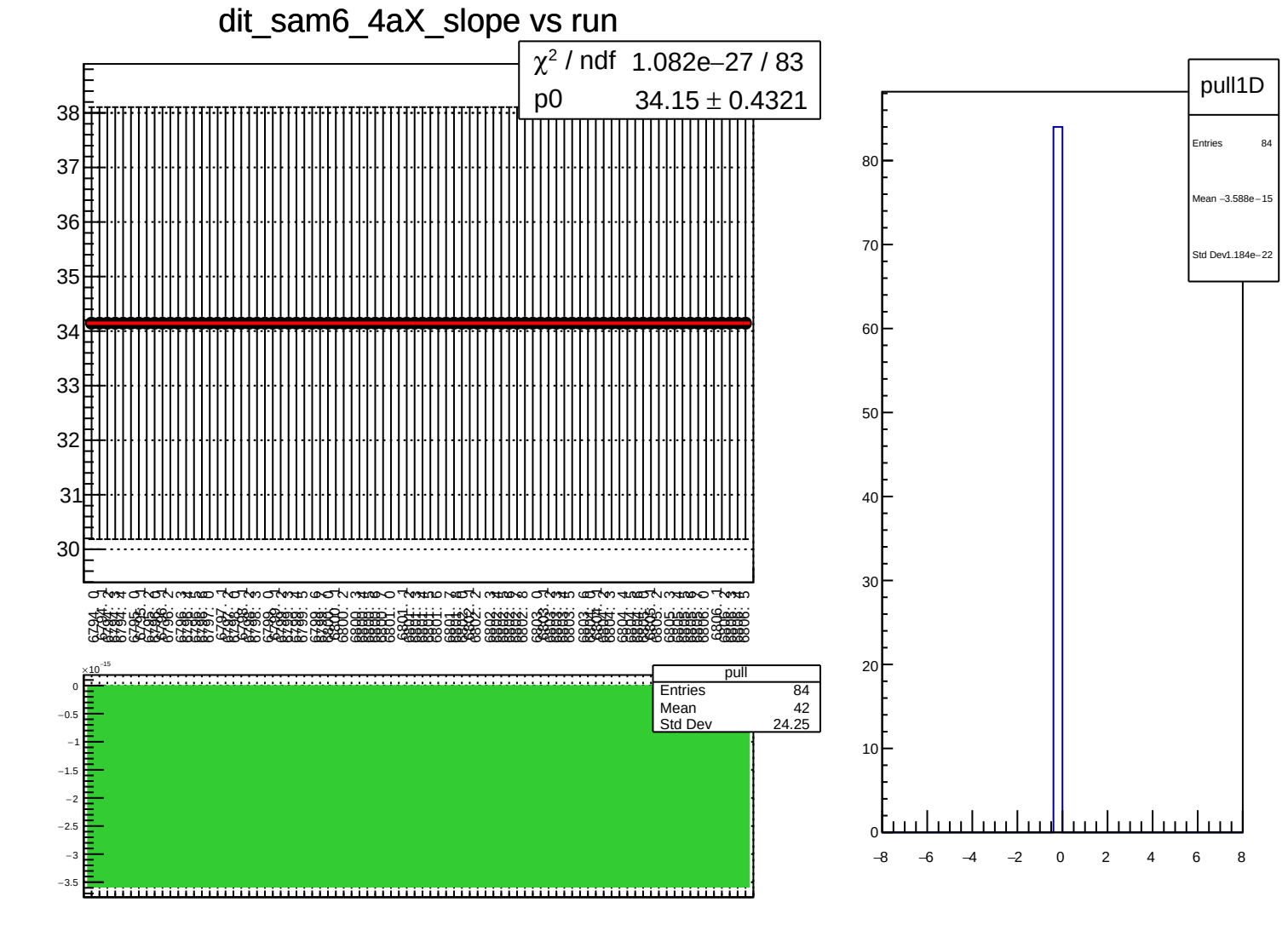

pull1D
Entries 84
Mean 5.794e−15
Std Dev 3.512e−22

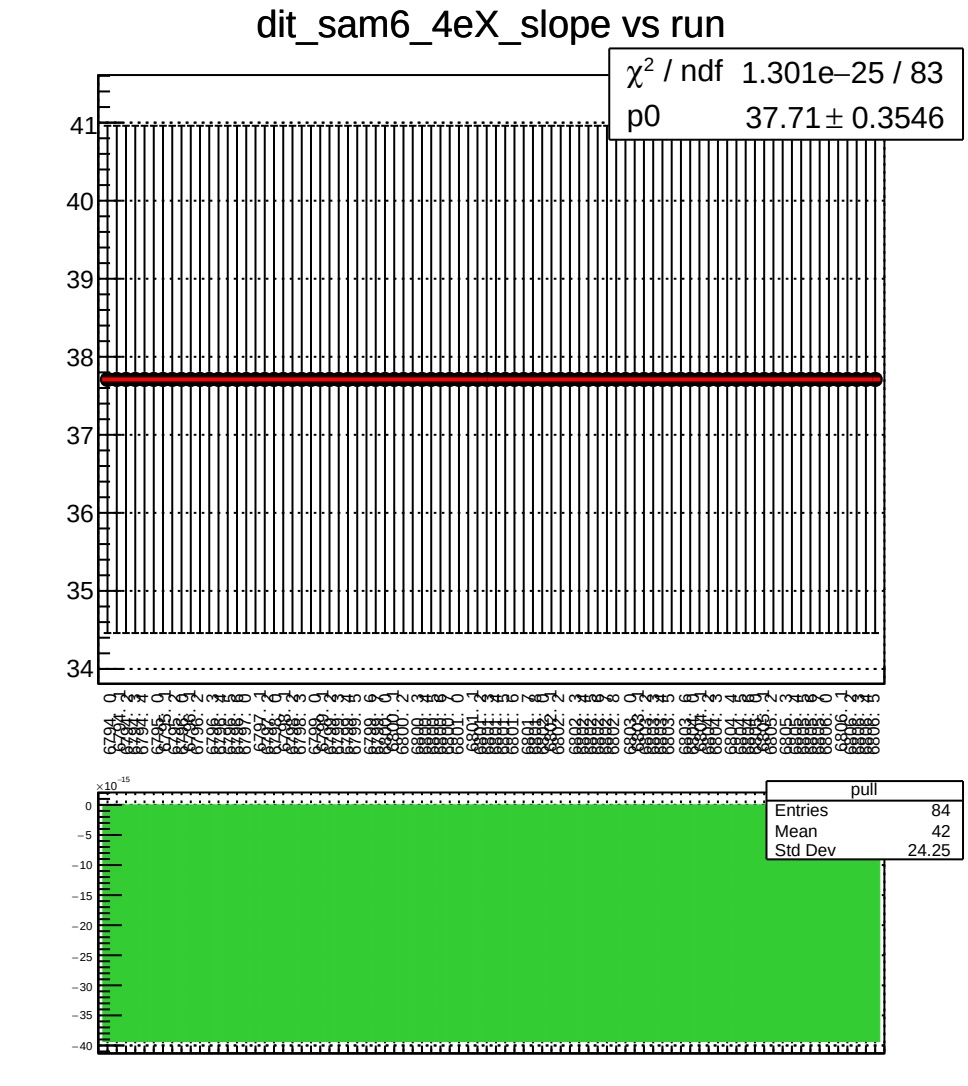

dit_sam5_4eX_slope vs run
χ² / ndf 3.857e−26 / 83
p0 4.986 ± 0.05427
5.4
5.2
5
4.8
4.6
4.4
×10⁻¹⁵
0
−5
−10
−15
−20
pull
Entries 84
Mean 42
Std Dev 24.25
pull1D
Entries 84
Mean −2.143e−14
Std Dev 6.696e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

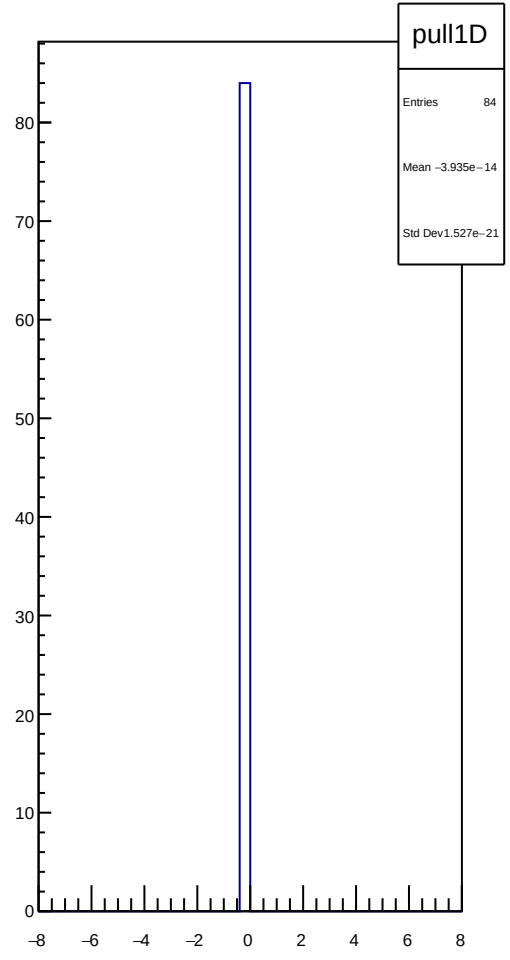

dit_sam5_11X12X_slope vs run
χ² / ndf 3.606e−28 / 83
p0 0.2657 ± 0.002923
0.29
0.28
0.27
0.26
0.25
0.24
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
pull1D
Entries 84
Mean −2.072e−15
Std Dev1.213e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

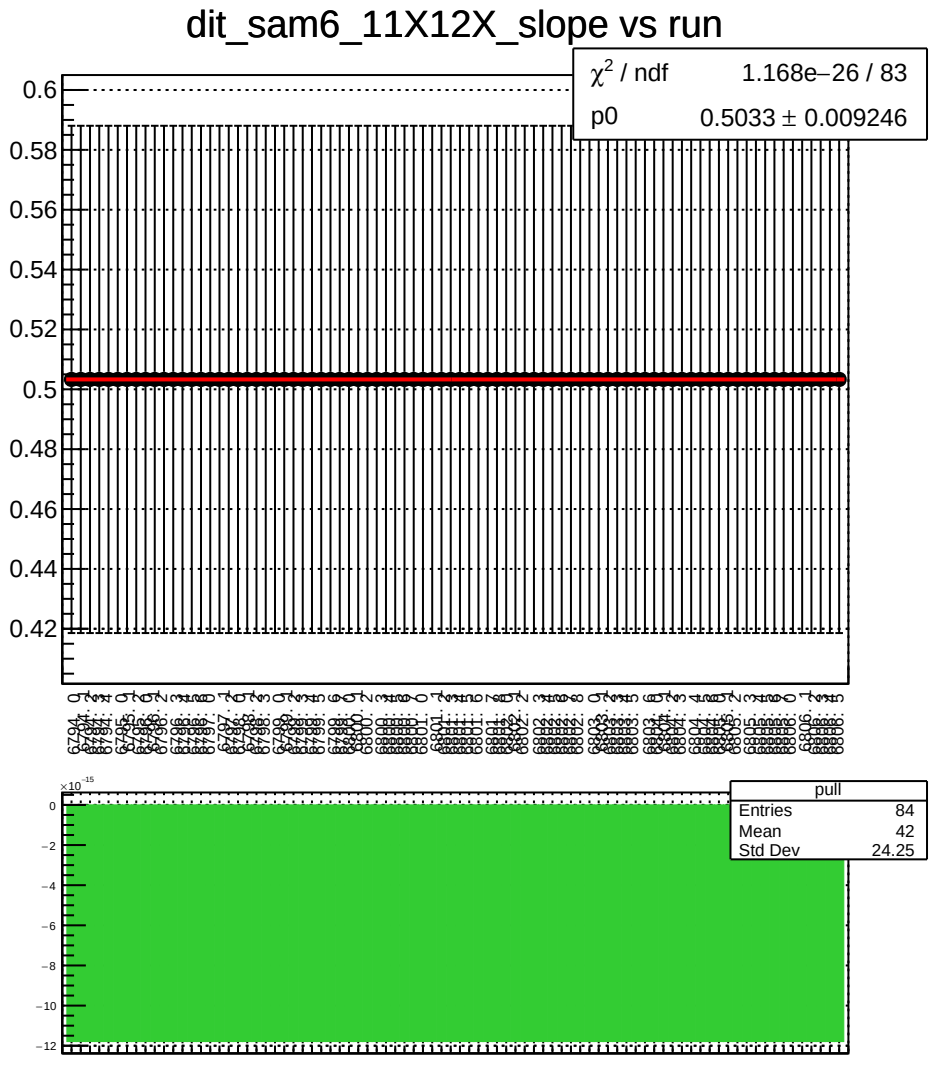

dit_sam5_4aY_slope vs run
χ² / ndf 1.363e−24 / 83
p0 32.84 ± 0.03652
pull
Entries 84
Mean 42
Std Dev 24.25
pull1D
Entries 84
Mean 1.274e−13
Std Dev6.108e−21

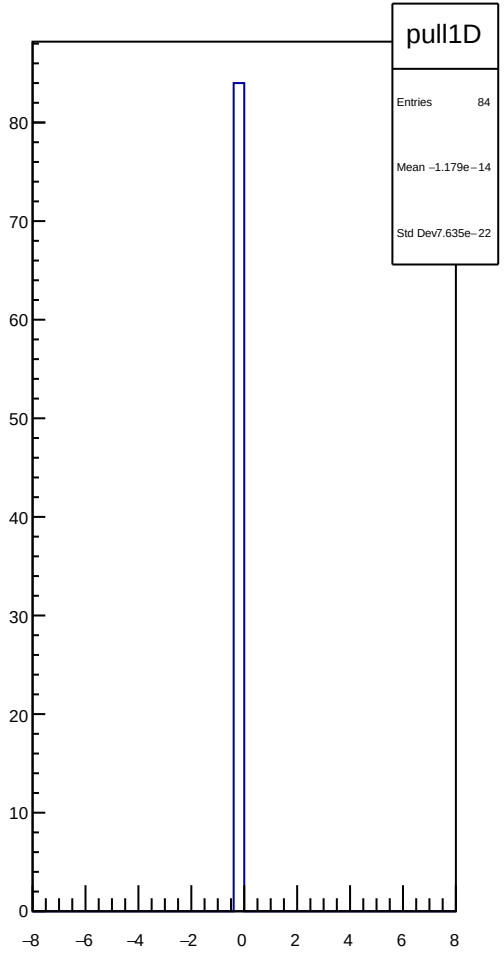

dit_sam5_4eY_slope vs run
χ² / ndf 2.004e−23 / 83
p0 114.8 ± 0.06031
115.4
115.2
115
114.8
114.6
114.4
114.2
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
pull1D
Entries 84
Mean −4.885e−13
Std Dev1.917e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

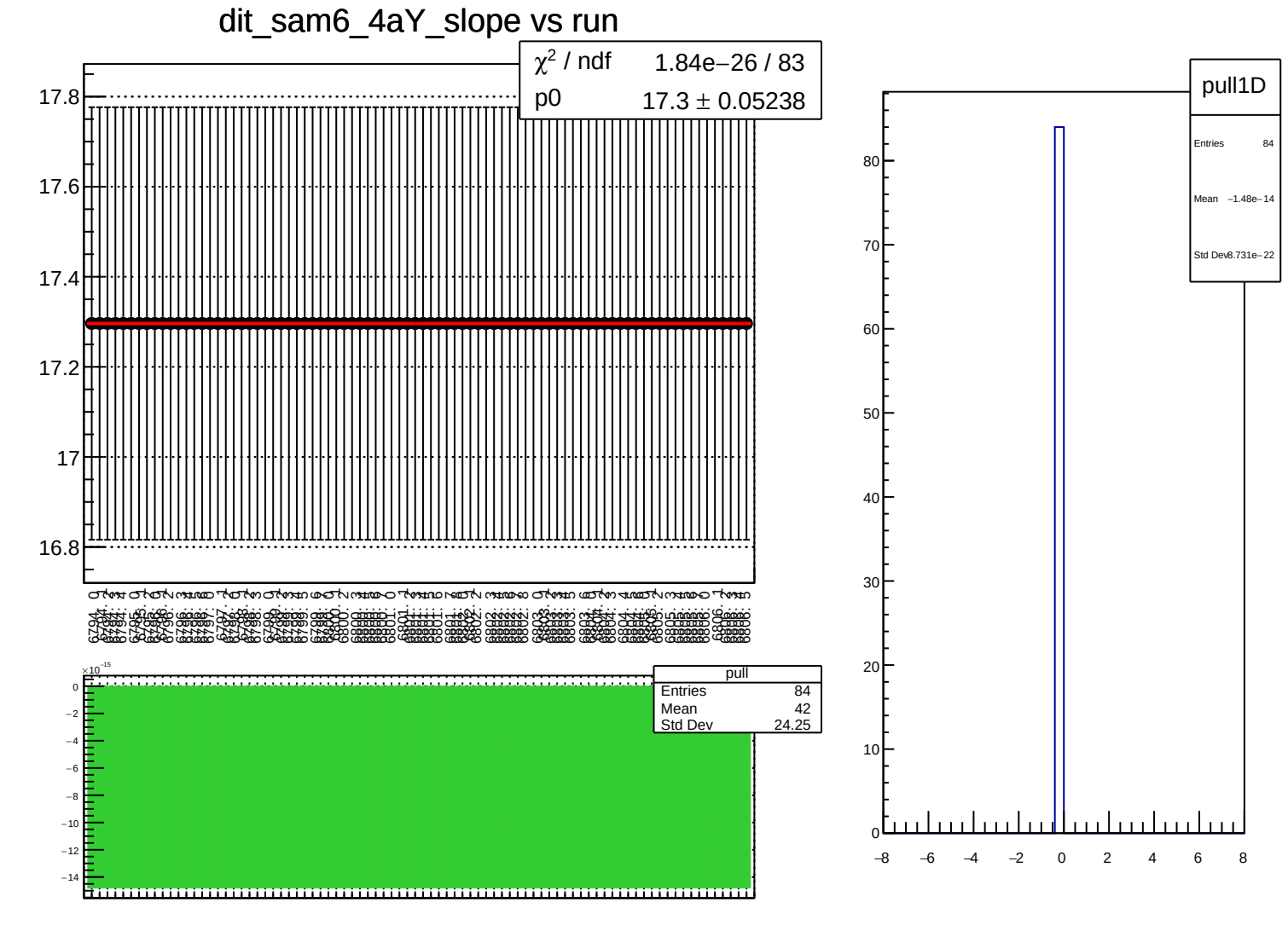

dit_sam6_4aX_slope vs run
χ² / ndf 1.082e−27 / 83
p0 34.15 ± 0.4321
38
37
36
35
34
33
32
31
30
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
pull1D
Entries 84
Mean −3.588e−15
Std Dev1.184e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

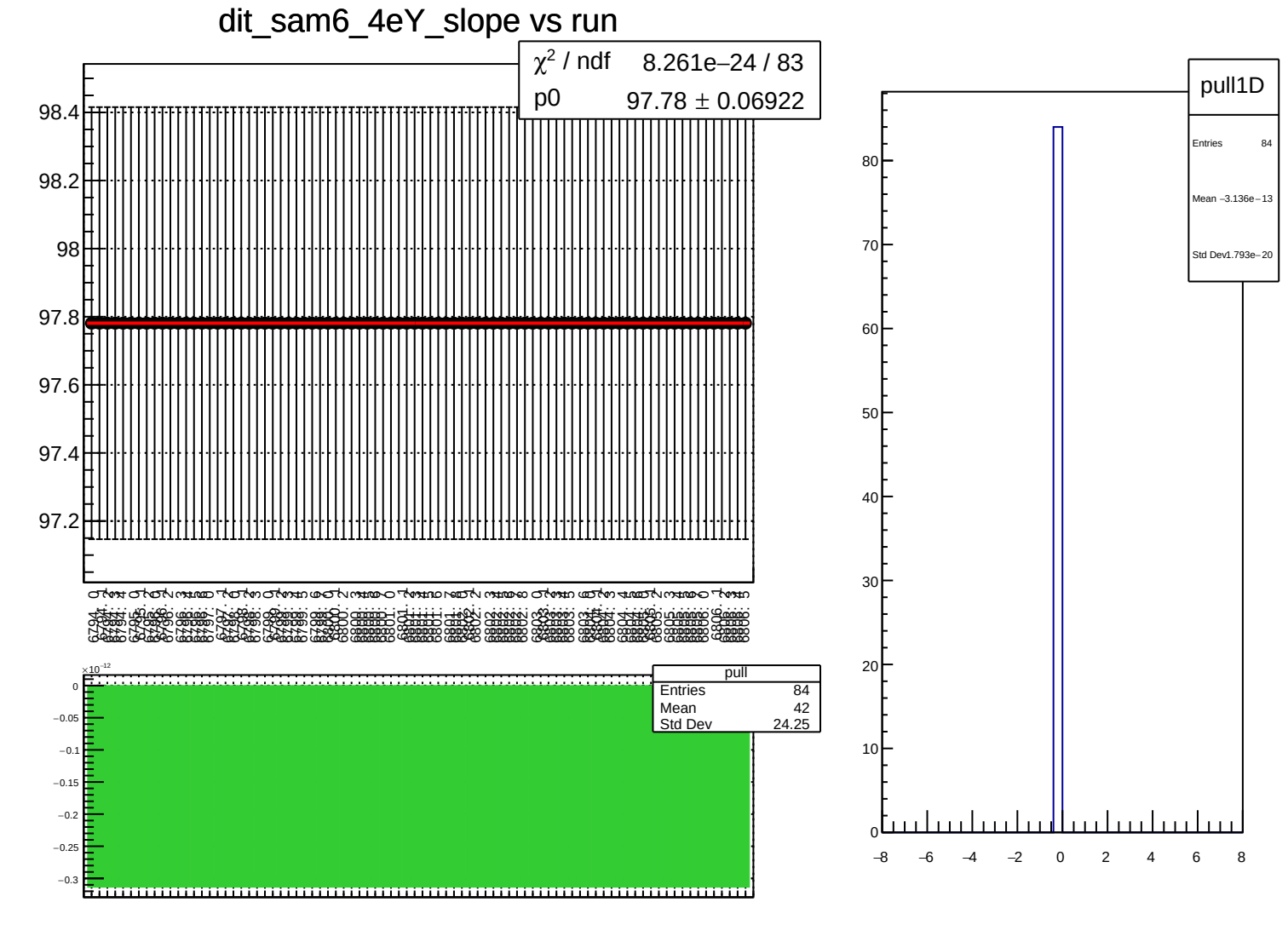

dit_sam6_4eX_slope vs run
χ² / ndf 1.301e−25 / 83
p0 37.71 ± 0.3546
pull
Entries 84
Mean 42
Std Dev 24.25

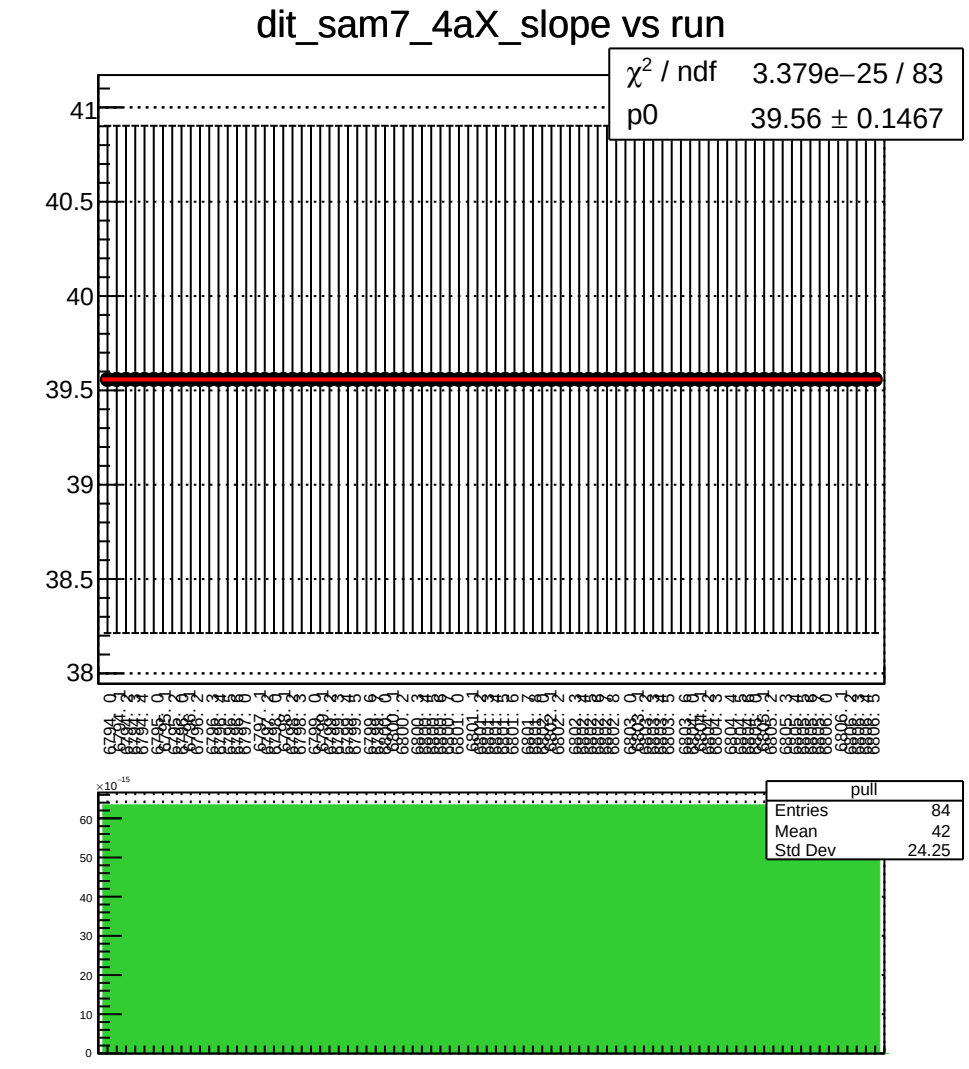

pull1D
Entries 84
Mean −3.935e−14
Std Dev1.527e−21

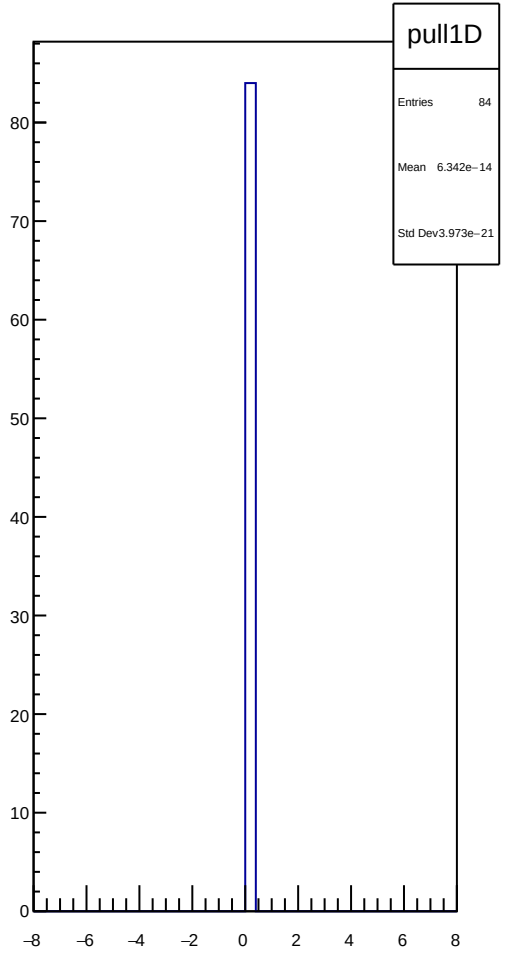

dit_sam6_11X12X_slope vs run
χ² / ndf 1.168e−26 / 83
p0 0.5033 ± 0.009246
pull
Entries 84
Mean 42
Std Dev 24.25

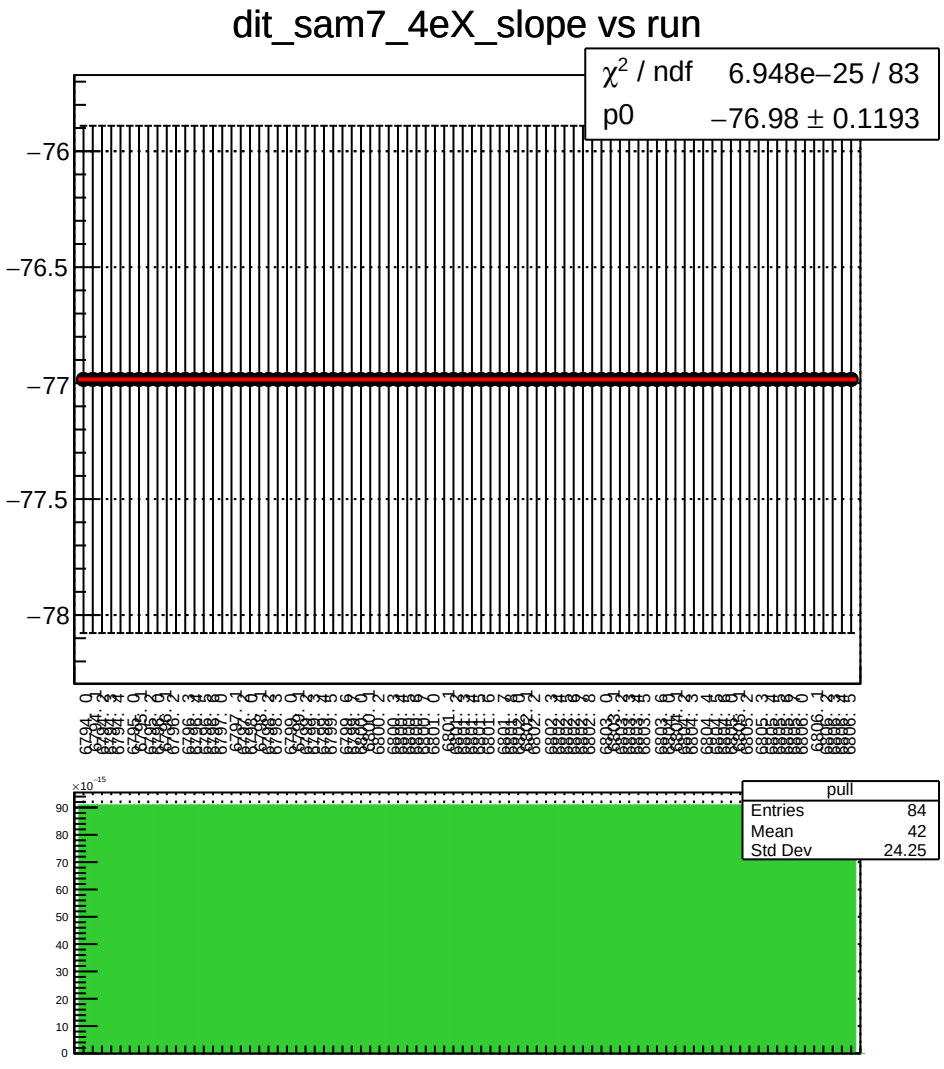

pull1D
Entries 84
Mean −1.179e−14
Std Dev7.635e−22

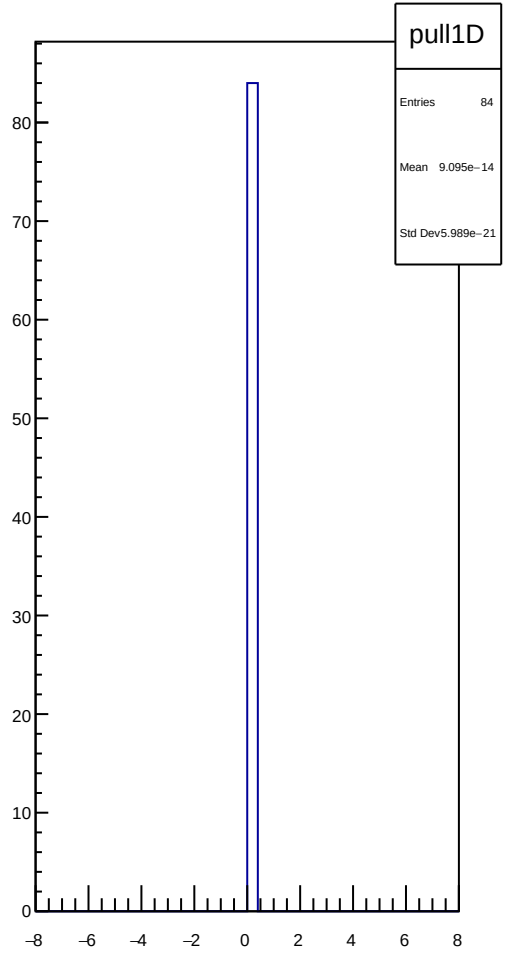

dit_sam6_4aY_slope vs run
χ² / ndf 1.84e−26 / 83
p0 17.3 ± 0.05238
17.8
17.6
17.4
17.2
17
16.8
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
pull1D
Entries 84
Mean −1.48e−14
Std Dev 8.731e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

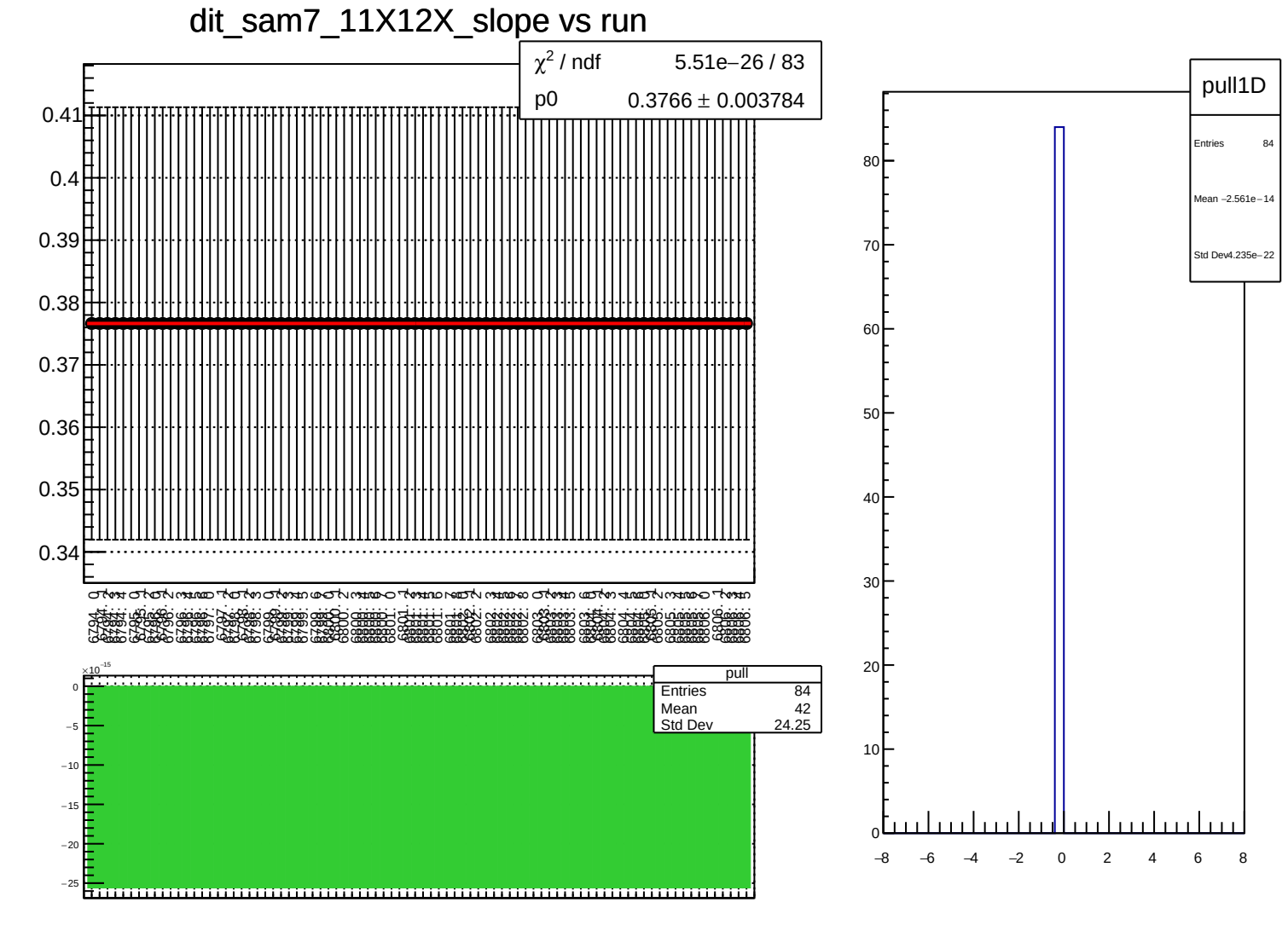

dit_sam6_4eY_slope vs run
χ^2 / ndf 8.261e−24 / 83
p0 97.78 ± 0.06922
98.4
98.2
98
97.8
97.6
97.4
97.2
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
pull1D
Entries 84
Mean −3.136e−13
Std Dev1.793e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

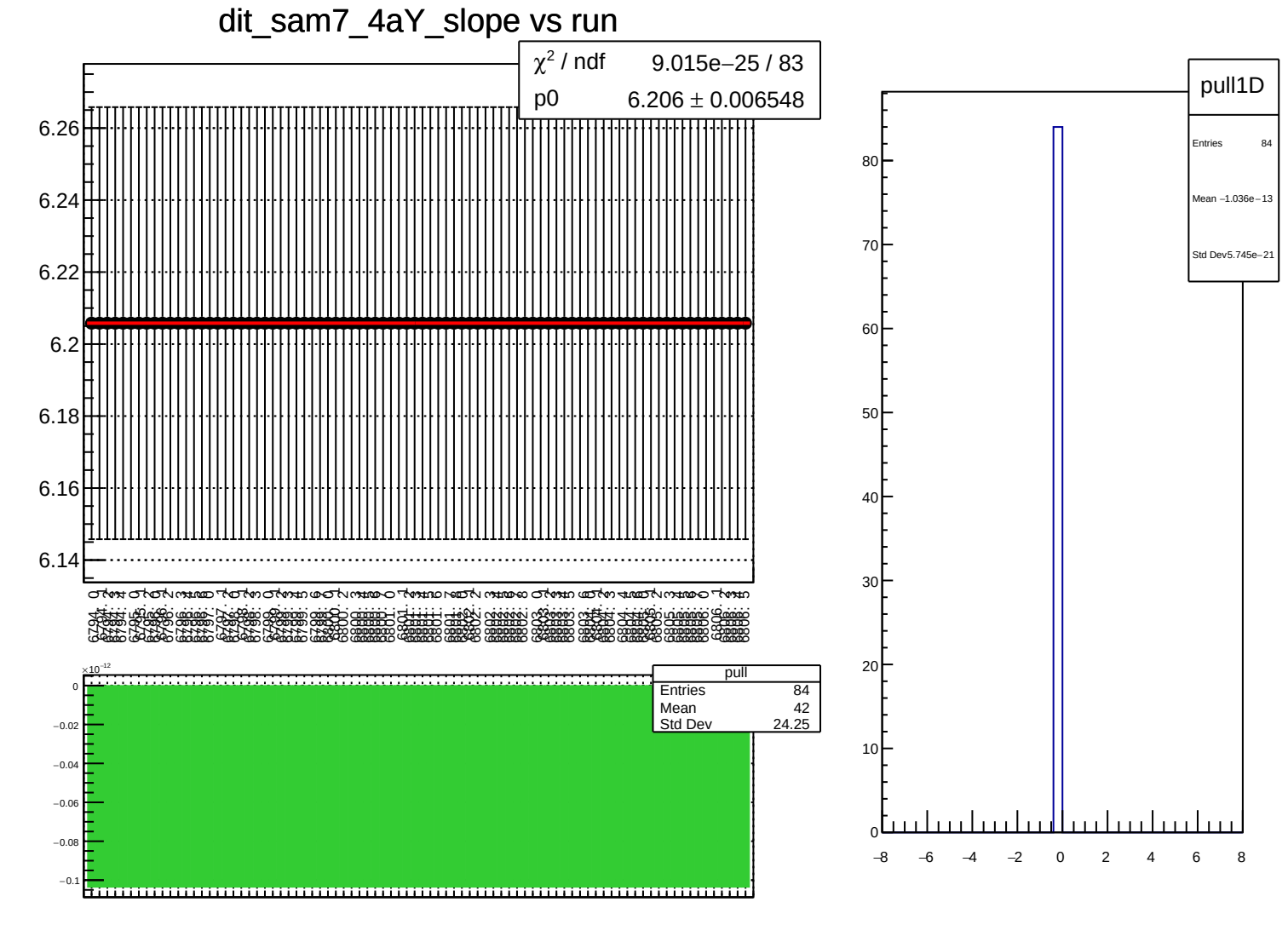

dit_sam7_4aX_slope vs run
χ^2 / ndf 3.379e−25 / 83
p0 39.56 ± 0.1467
41
40.5
40
39.5
39
38.5
38
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
60
50
40
30
20
10
0

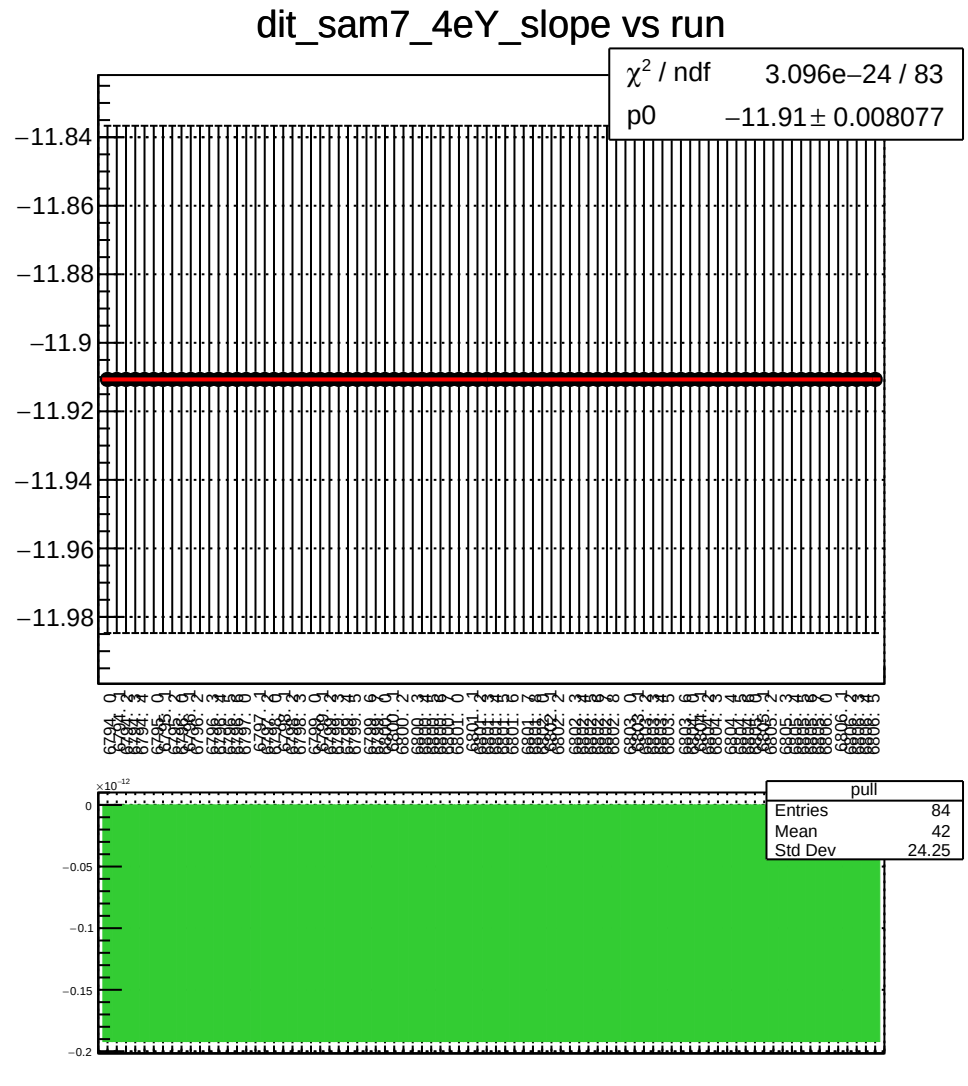

pull1D
Entries 84
Mean 6.342e−14
Std Dev3.973e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

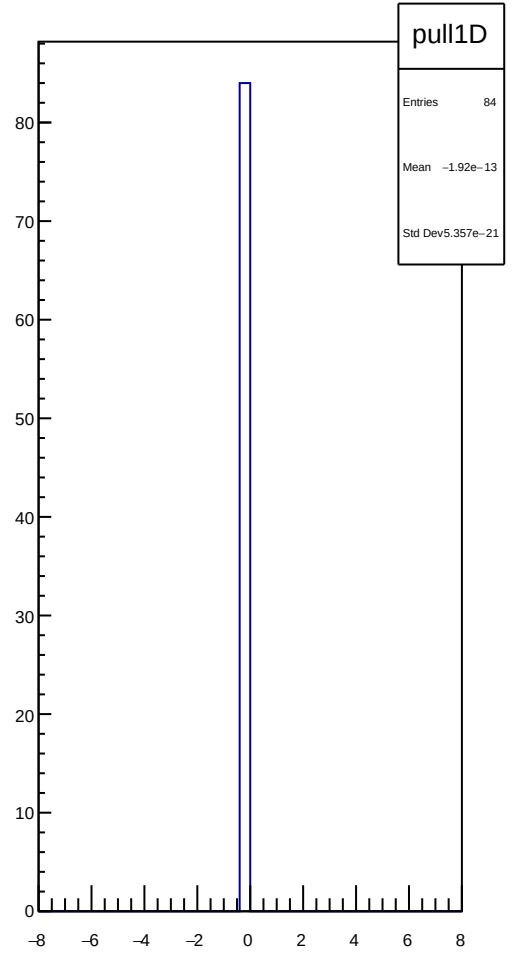

dit_sam7_4eX_slope vs run
χ² / ndf 6.948e−25 / 83
p0 −76.98 ± 0.1193
−76
−76.5
−77
−77.5
−78
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
90
80
70
60
50
40
30
20
10
0

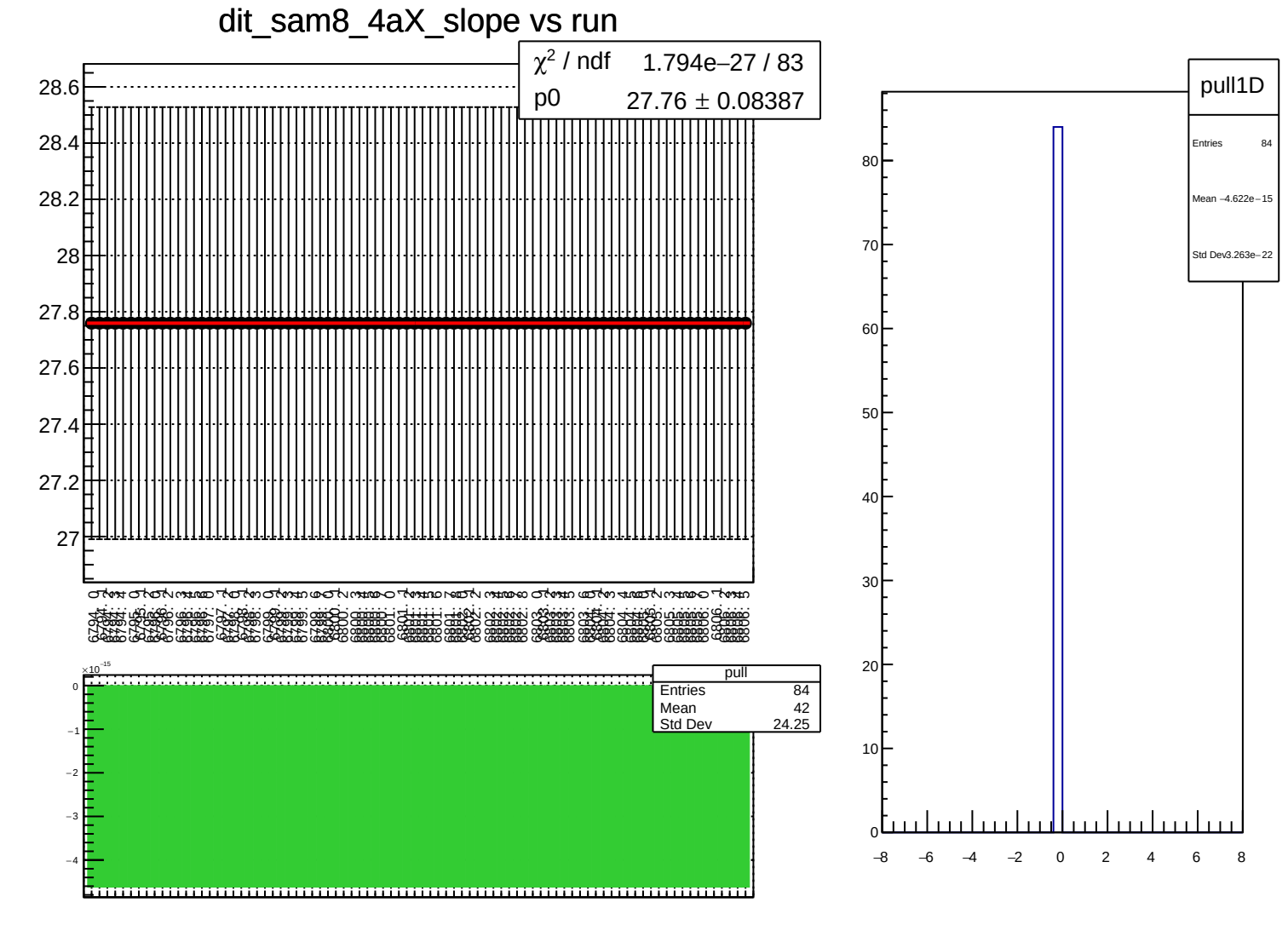

pull1D
Entries 84
Mean 9.095e−14
Std Dev 5.989e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

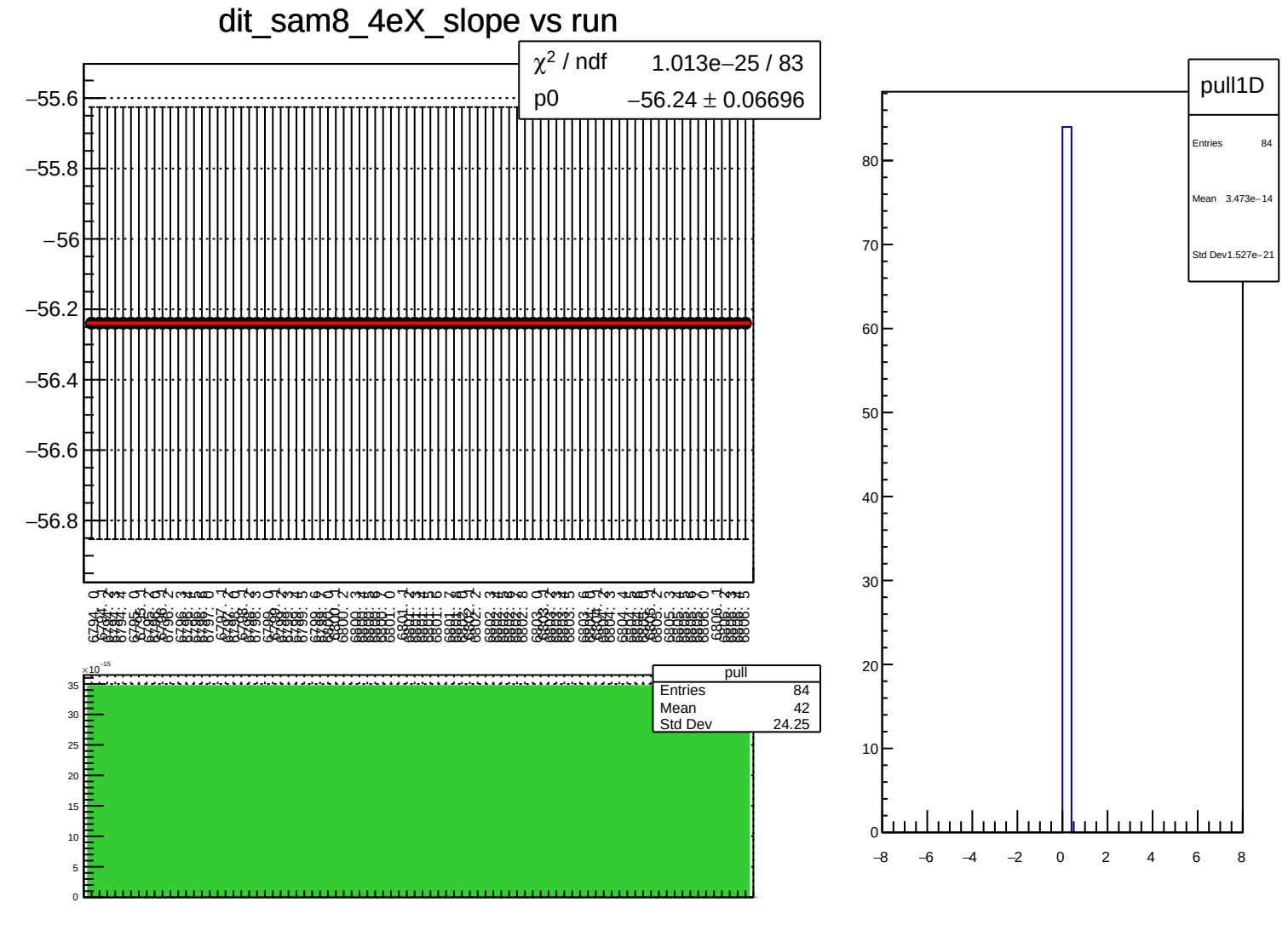

dit_sam7_11X12X_slope vs run
χ² / ndf 5.51e−26 / 83
p0 0.3766 ± 0.003784
0.41
0.4
0.39
0.38
0.37
0.36
0.35
0.34
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−5
−10
−15
−20
−25
pull1D
Entries 84
Mean −2.561e−14
Std Dev4.235e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

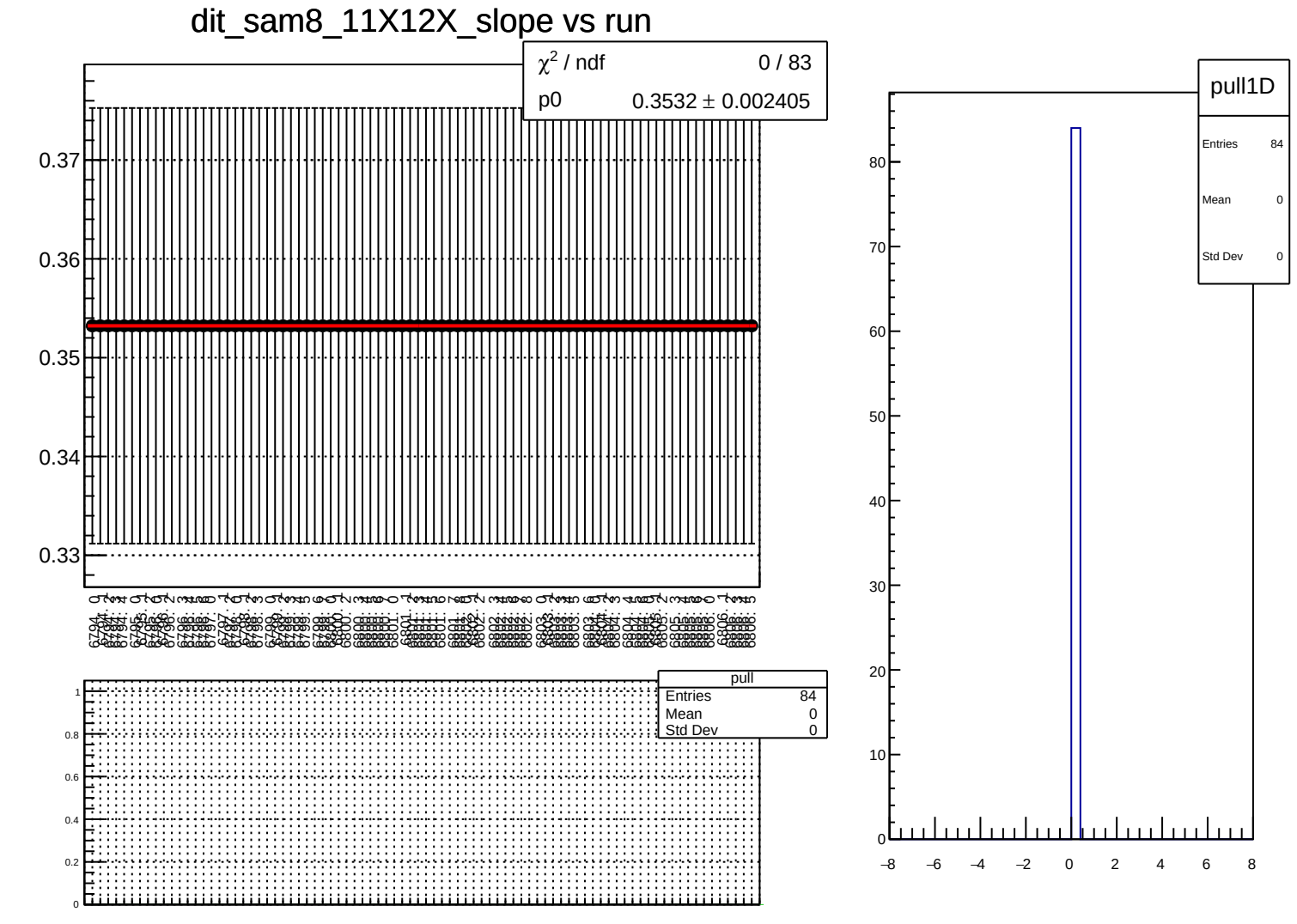

dit_sam7_4aY_slope vs run
χ² / ndf 9.015e−25 / 83
p0 6.206 ± 0.006548
6.26
6.24
6.22
6.2
6.18
6.16
6.14
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull1D
Entries 84
Mean −1.036e−13
Std Dev5.745e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

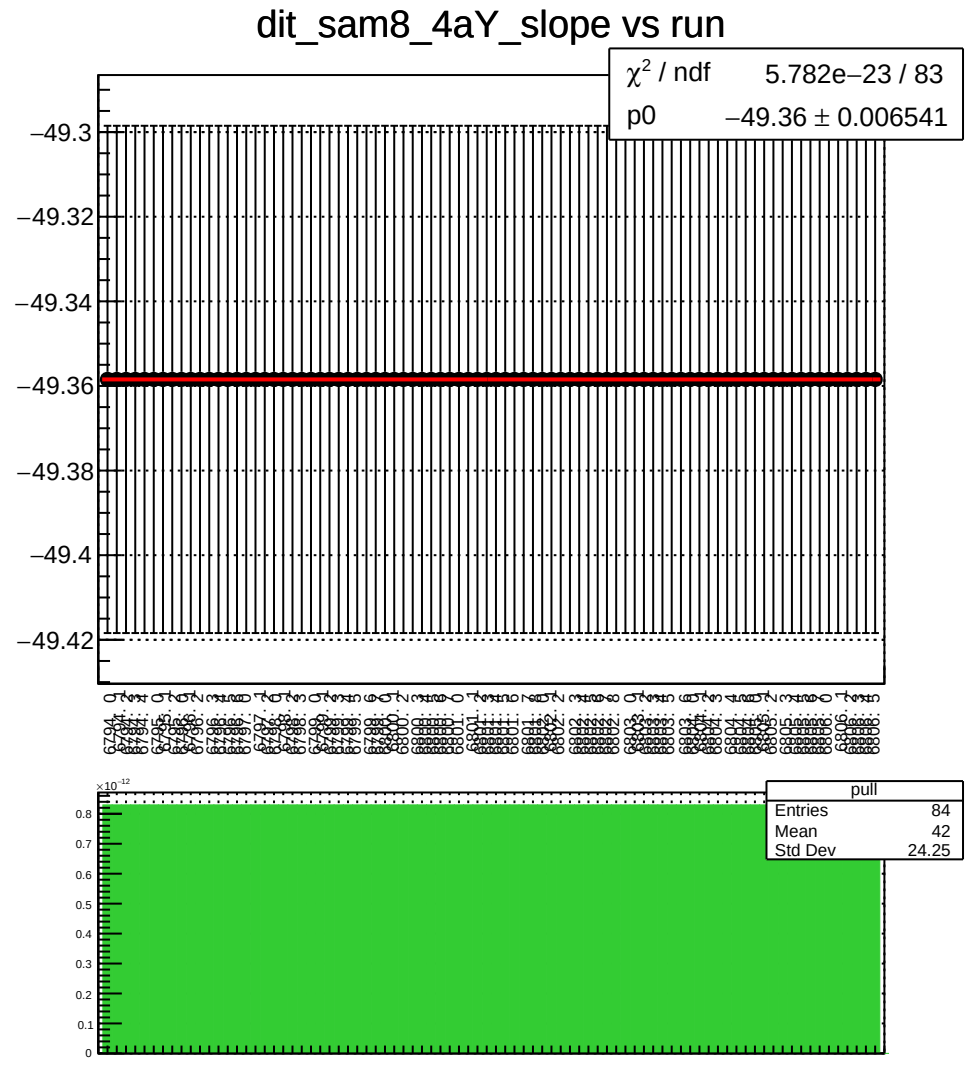

dit_sam7_4eY_slope vs run
χ² / ndf 3.096e−24 / 83
p0 −11.91 ± 0.008077
−11.84
−11.86
−11.88
−11.9
−11.92
−11.94
−11.96
−11.98
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2

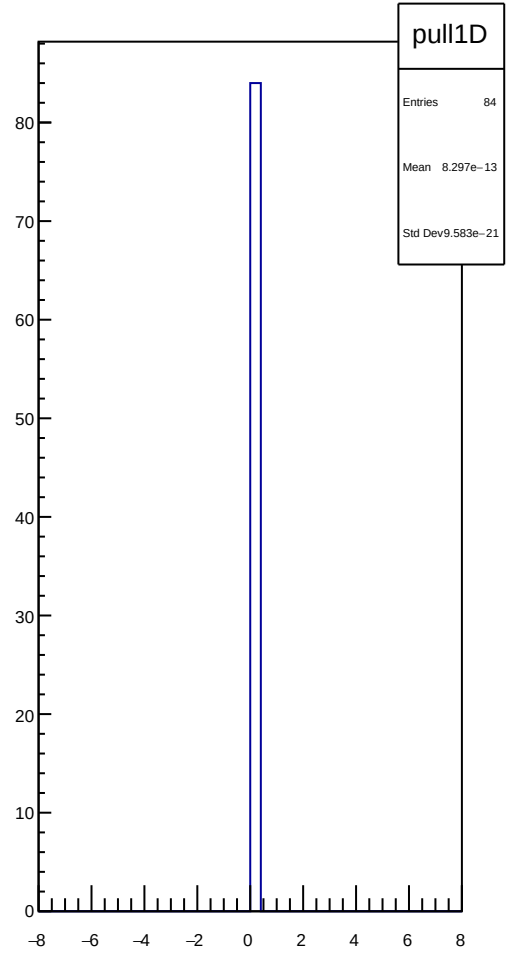

pull1D
Entries 84
Mean −1.92e−13
Std Dev5.357e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

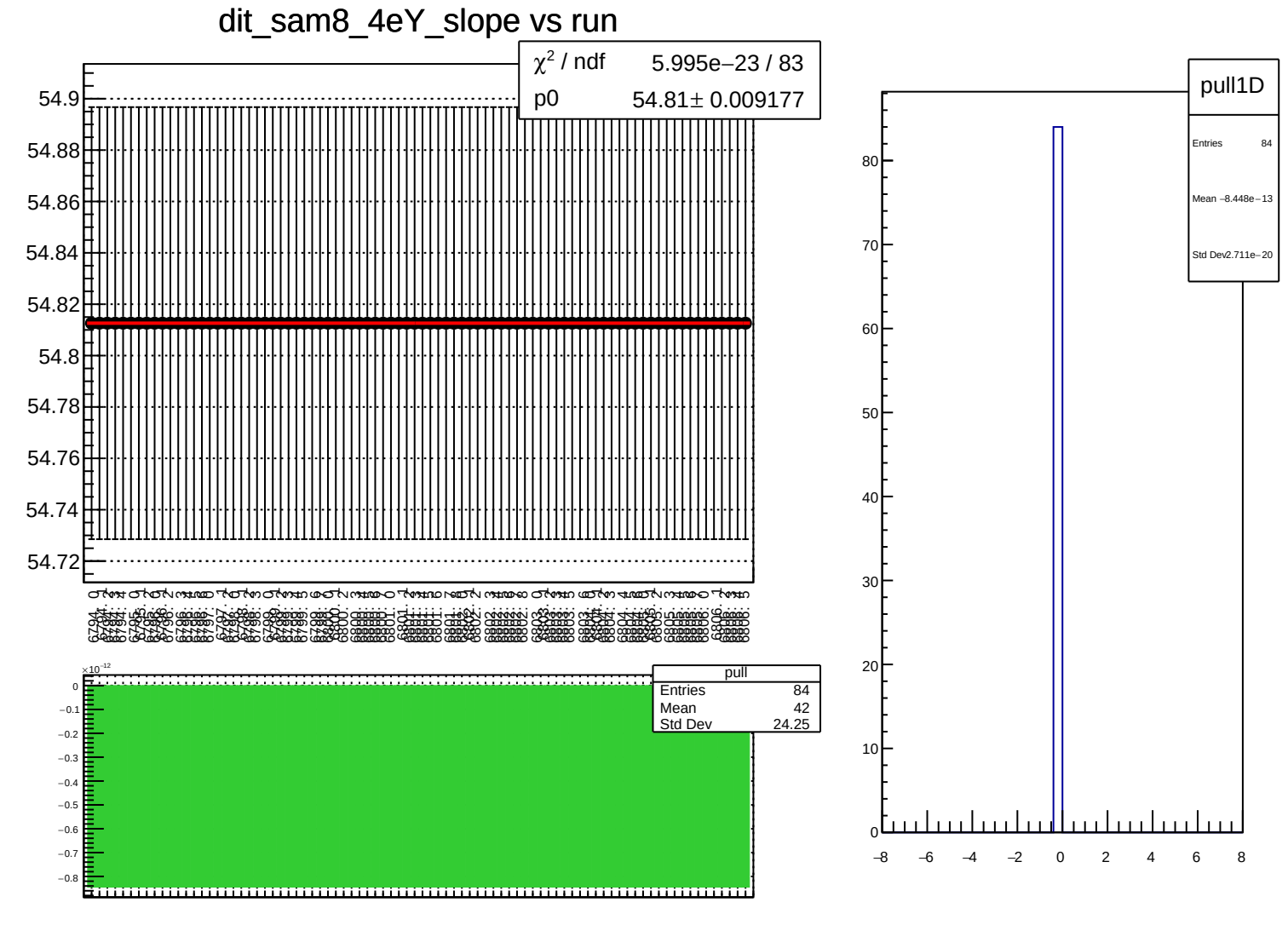

dit_sam8_4aX_slope vs run
χ² / ndf 1.794e−27 / 83
p0 27.76 ± 0.08387
28.6
28.4
28.2
28
27.8
27.6
27.4
27.2
27
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−1
−2
−3
−4
pull1D
Entries 84
Mean −4.622e−15
Std Dev 3.263e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

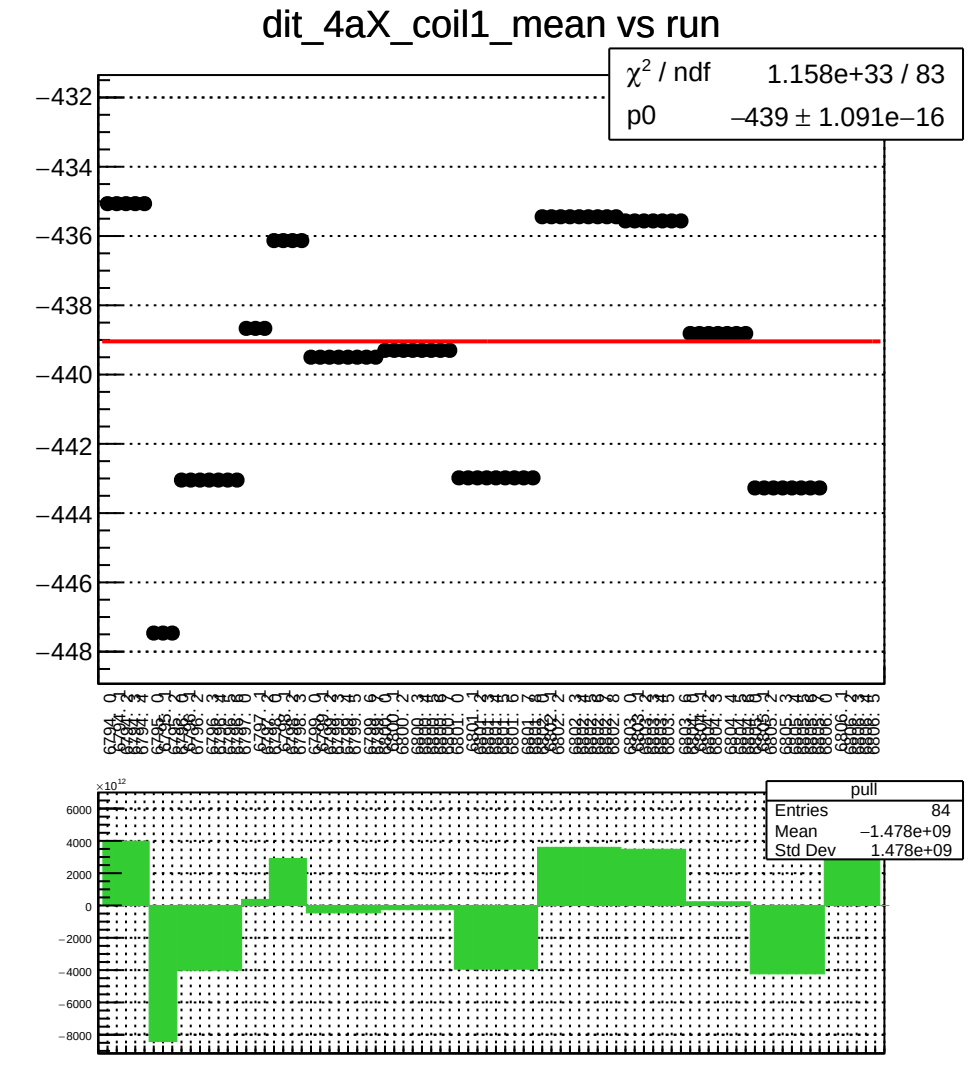

dit_sam8_4eX_slope vs run
χ² / ndf 1.013e−25 / 83
p0 −56.24 ± 0.06696
−55.6
−55.8
−56
−56.2
−56.4
−56.6
−56.8
pull
Entries 84
Mean 42
Std Dev 24.25
pull1D
Entries 84
Mean 3.473e−14
Std Dev1.527e−21

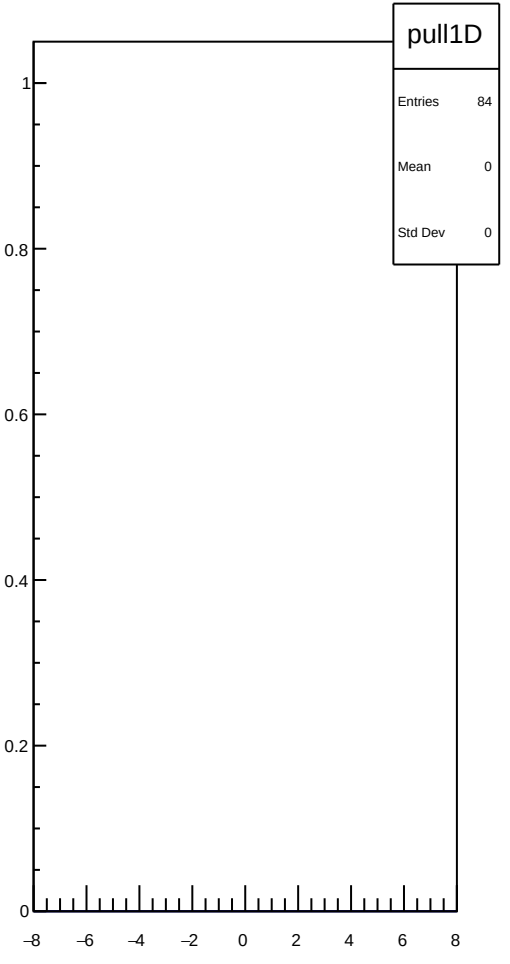

dit_sam8_11X12X_slope vs run
χ² / ndf 0 / 83
p0 0.3532 ± 0.002405
0.37
0.36
0.35
0.34
0.33
pull
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 84
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
–8
–6
–4
–2
0
2
4
6
8

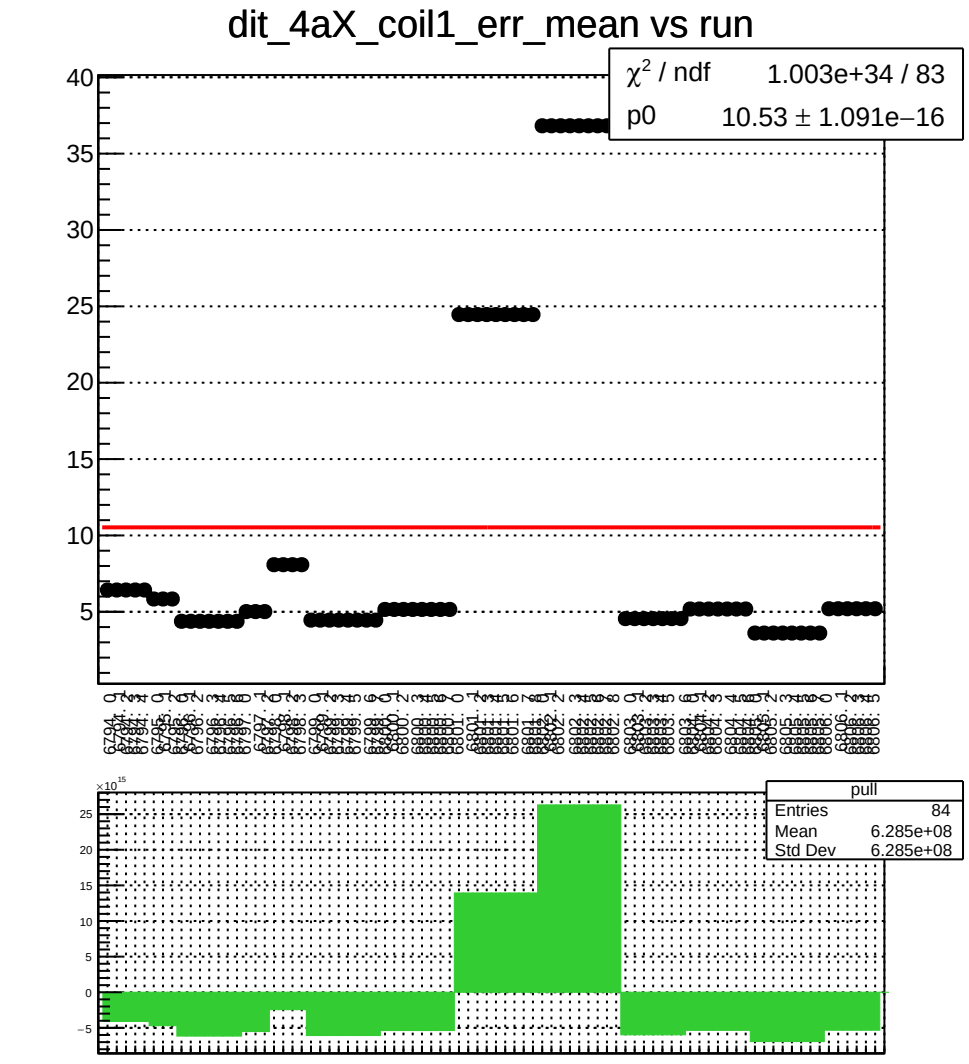

dit_sam8_4aY_slope vs run
χ^2 / ndf 5.782e−23 / 83
p0 −49.36 ± 0.006541
−49.3
−49.32
−49.34
−49.36
−49.38
−49.4
−49.42
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

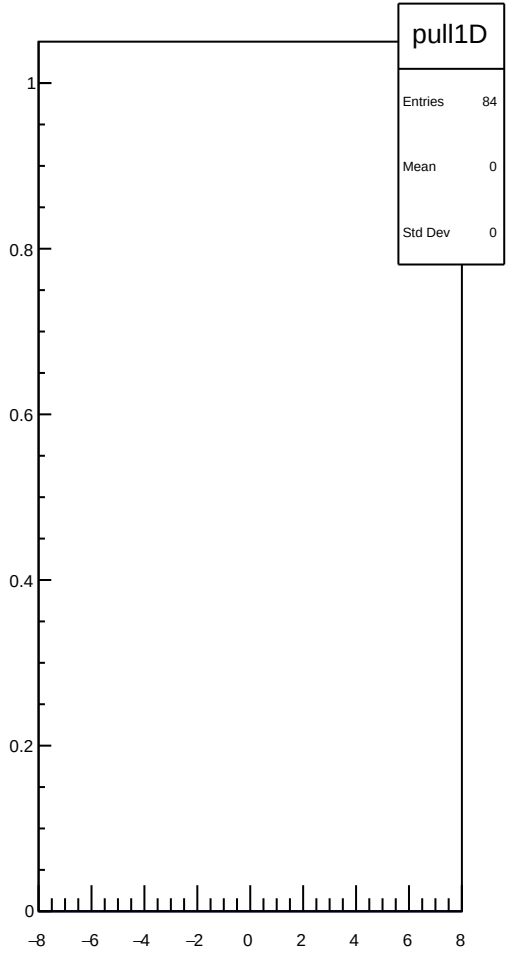

pull1D
Entries 84
Mean 8.297e−13
Std Dev9.583e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

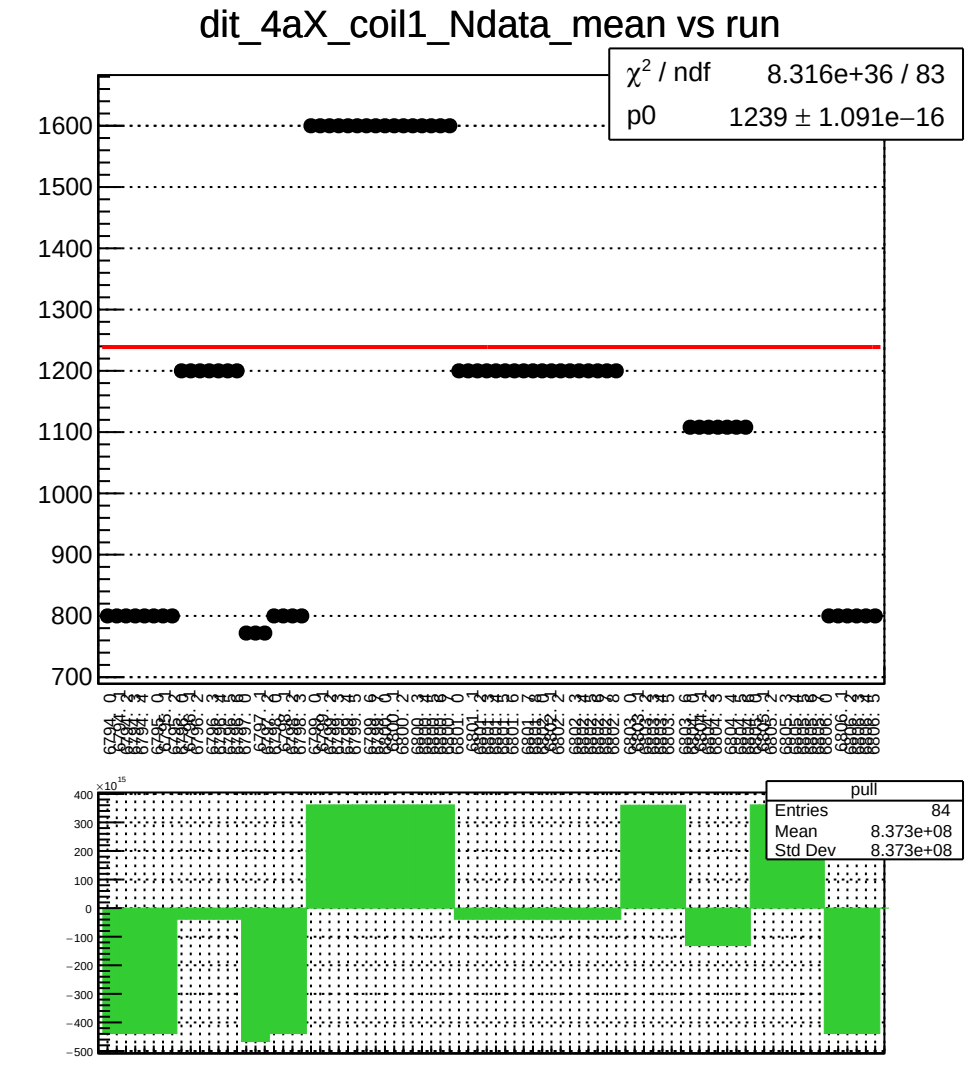

dit_sam8_4eY_slope vs run
χ² / ndf 5.995e−23 / 83
p0 54.81± 0.009177
54.9
54.88
54.86
54.84
54.82
54.8
54.78
54.76
54.74
54.72
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
−0.8
pull1D
Entries 84
Mean −8.448e−13
Std Dev2.711e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2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

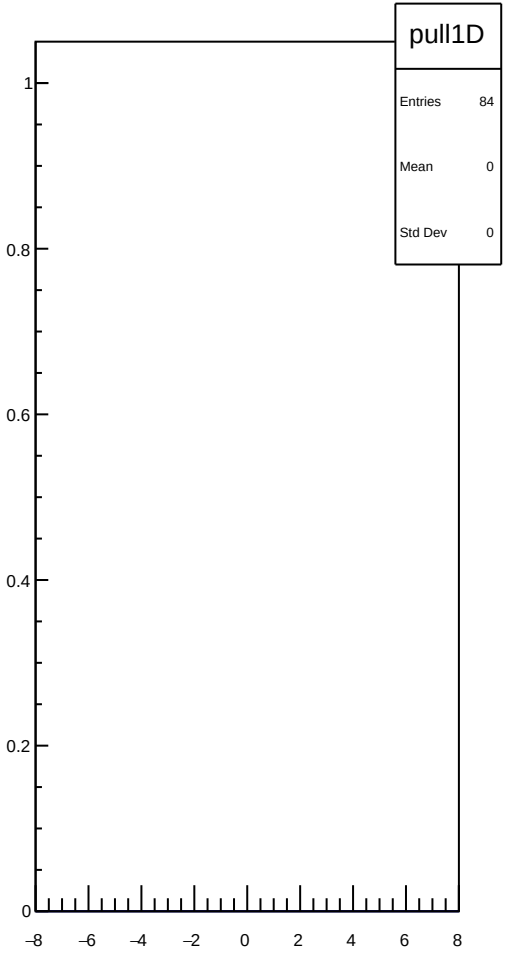

dit_4aX_coil1_mean vs run
χ² / ndf 1.158e+33 / 83
p0 −439 ± 1.091e−16
−432
−434
−436
−438
−440
−442
−444
−446
−448
pull
Entries 84
Mean −1.478e+09
Std Dev 1.478e+09
×10¹²
6000
4000
2000
0
−2000
−4000
−6000
−8000

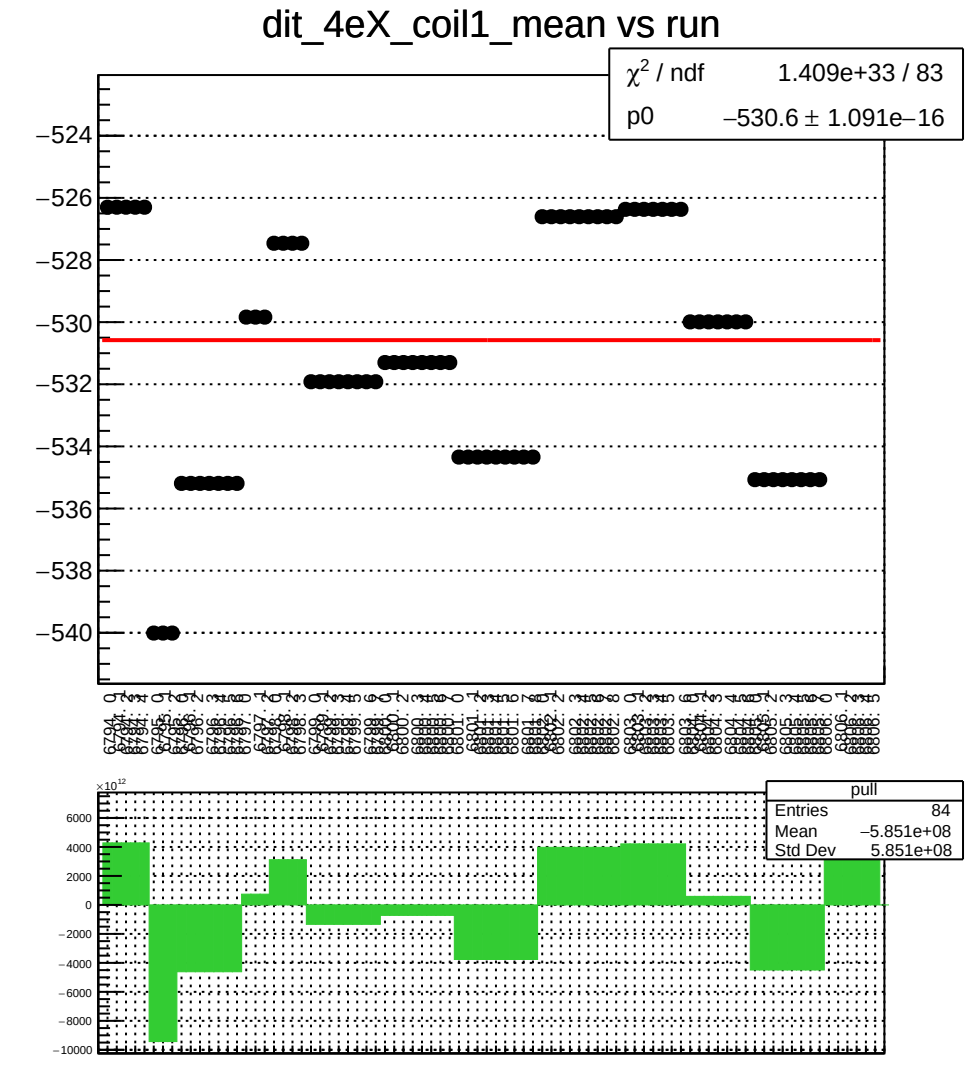

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

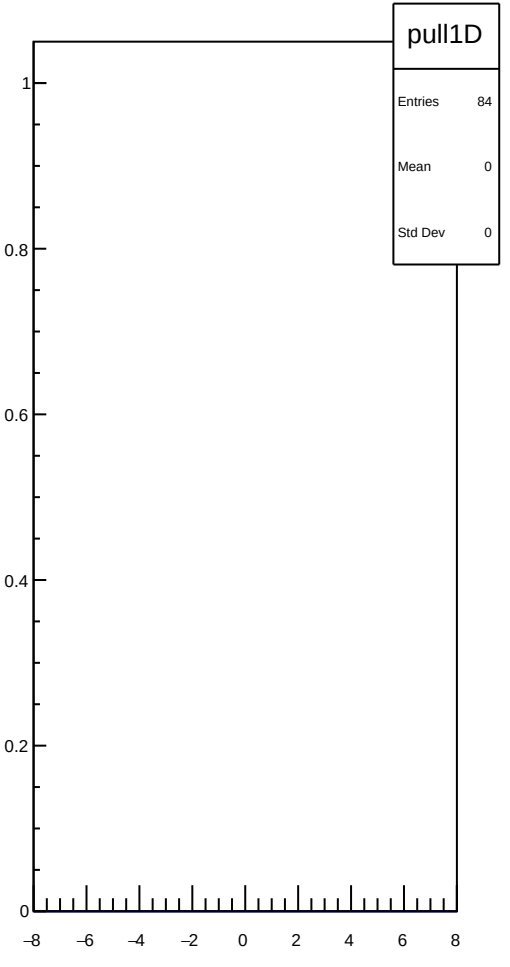

dit_4aX_coil1_err_mean vs run
χ² / ndf 1.003e+34 / 83
p0 10.53 ± 1.091e−16
pull
Entries 84
Mean 6.285e+08
Std Dev 6.285e+08

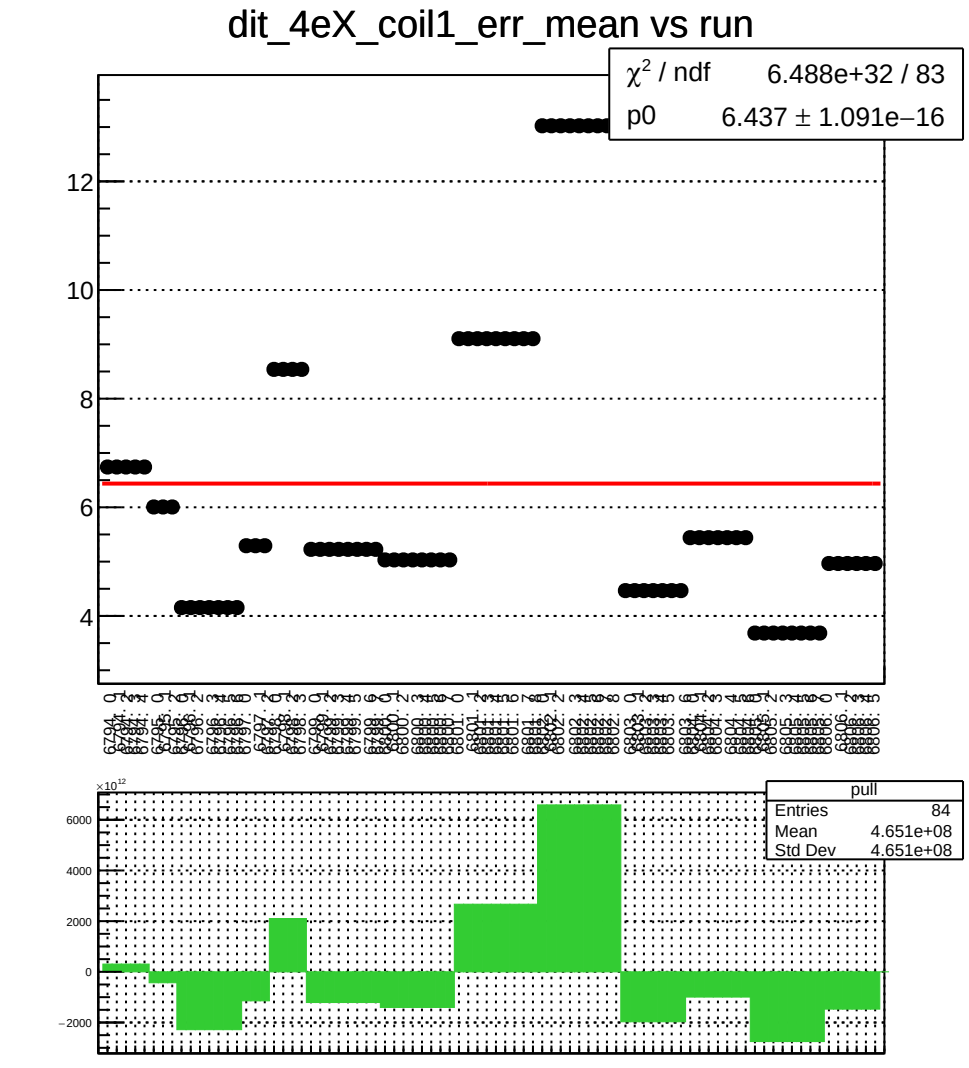

pull1D
Entries 84
Mean 0
Std Dev 0

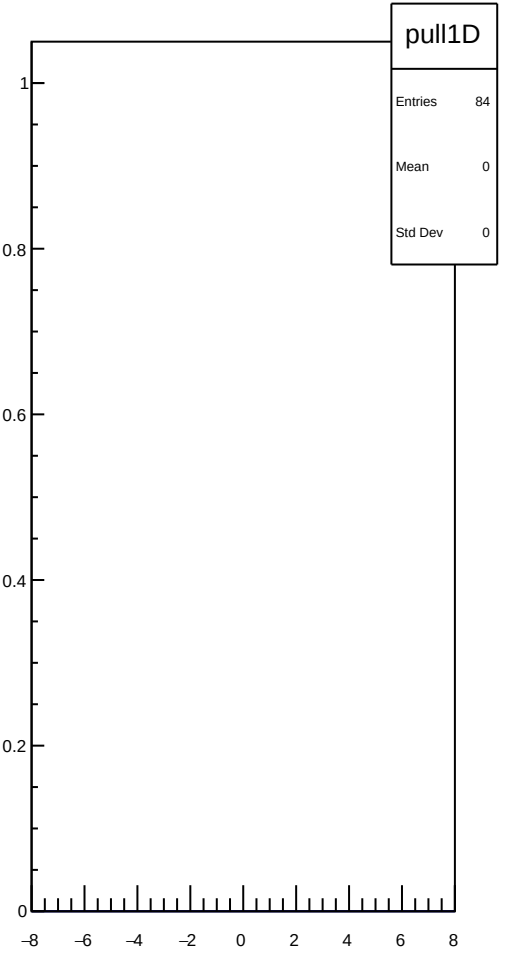

dit_4aX_coil1_Ndata_mean vs run
χ² / ndf 8.316e+36 / 83
p0 1239 ± 1.091e−16
1600
1500
1400
1300
1200
1100
1000
900
800
700
pull
Entries 84
Mean 8.373e+08
Std Dev 8.373e+08
×10¹⁵
400
300
200
100
0
−100
−200
−300
−400
−500

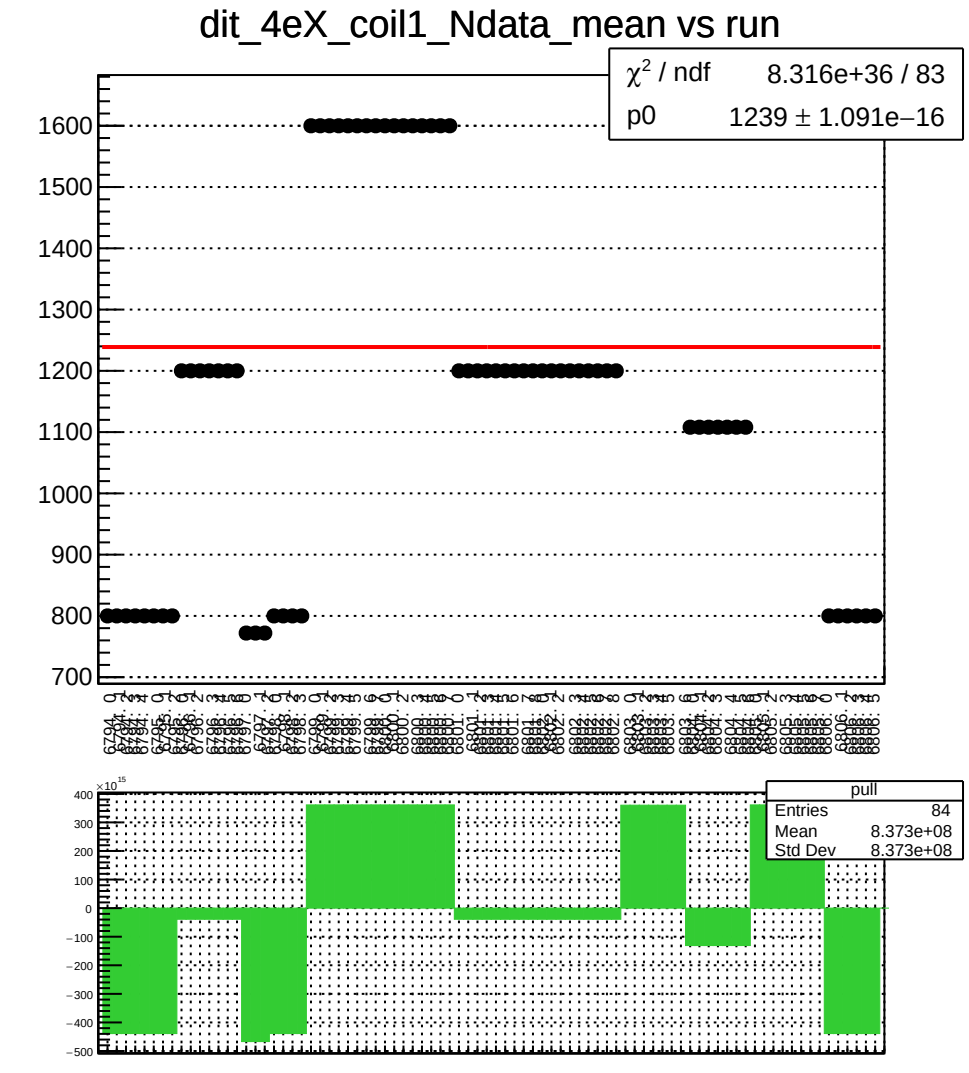

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

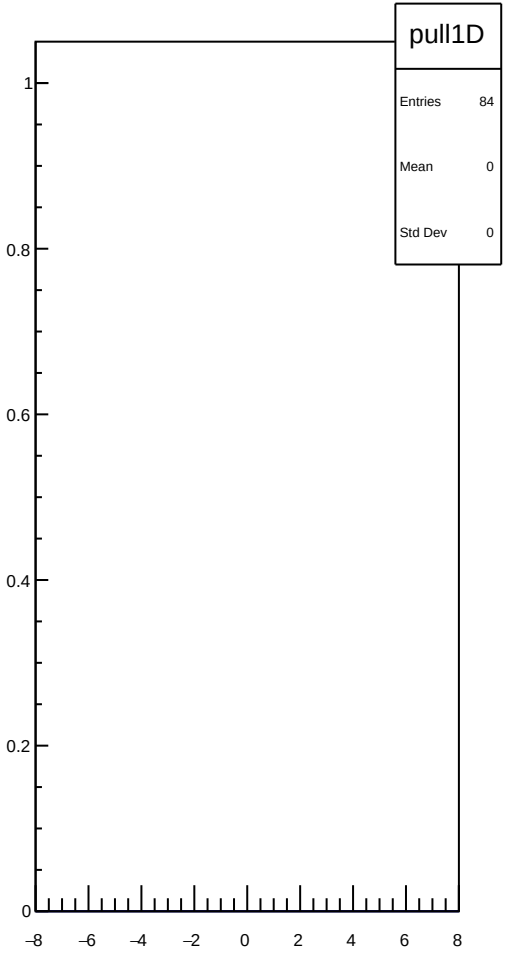

dit_4eX_coil1_mean vs run
χ² / ndf 1.409e+33 / 83
p0 −530.6 ± 1.091e−16
−524
−526
−528
−530
−532
−534
−536
−538
−540
pull
Entries 84
Mean −5.851e+08
Std Dev 5.851e+08
×10¹²
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000

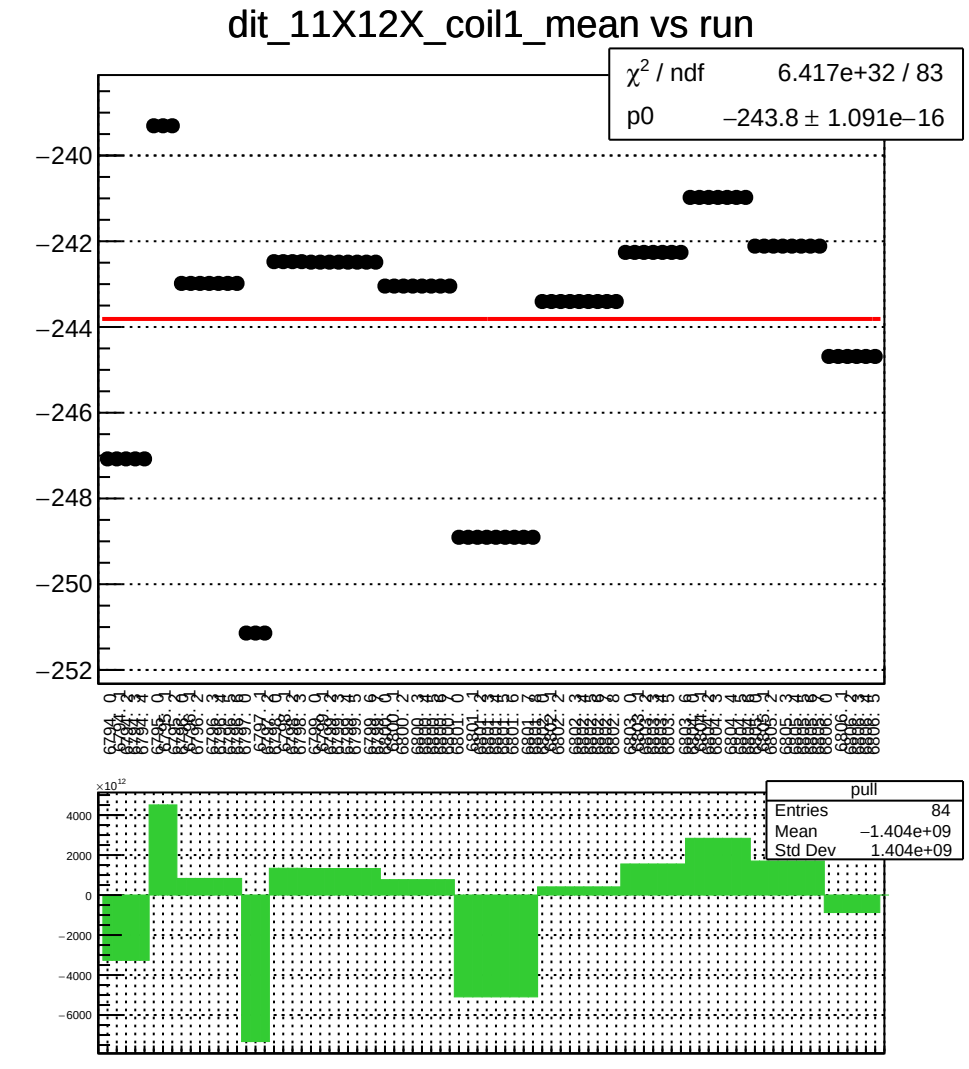

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

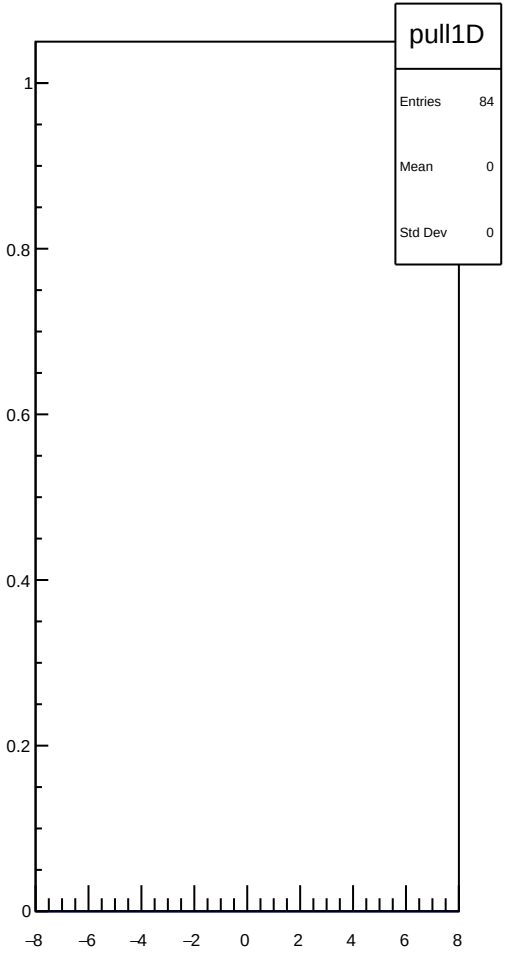

dit_4eX_coil1_err_mean vs run
χ² / ndf 6.488e+32 / 83
p0 6.437 ± 1.091e−16
pull
Entries 84
Mean 4.651e+08
Std Dev 4.651e+08

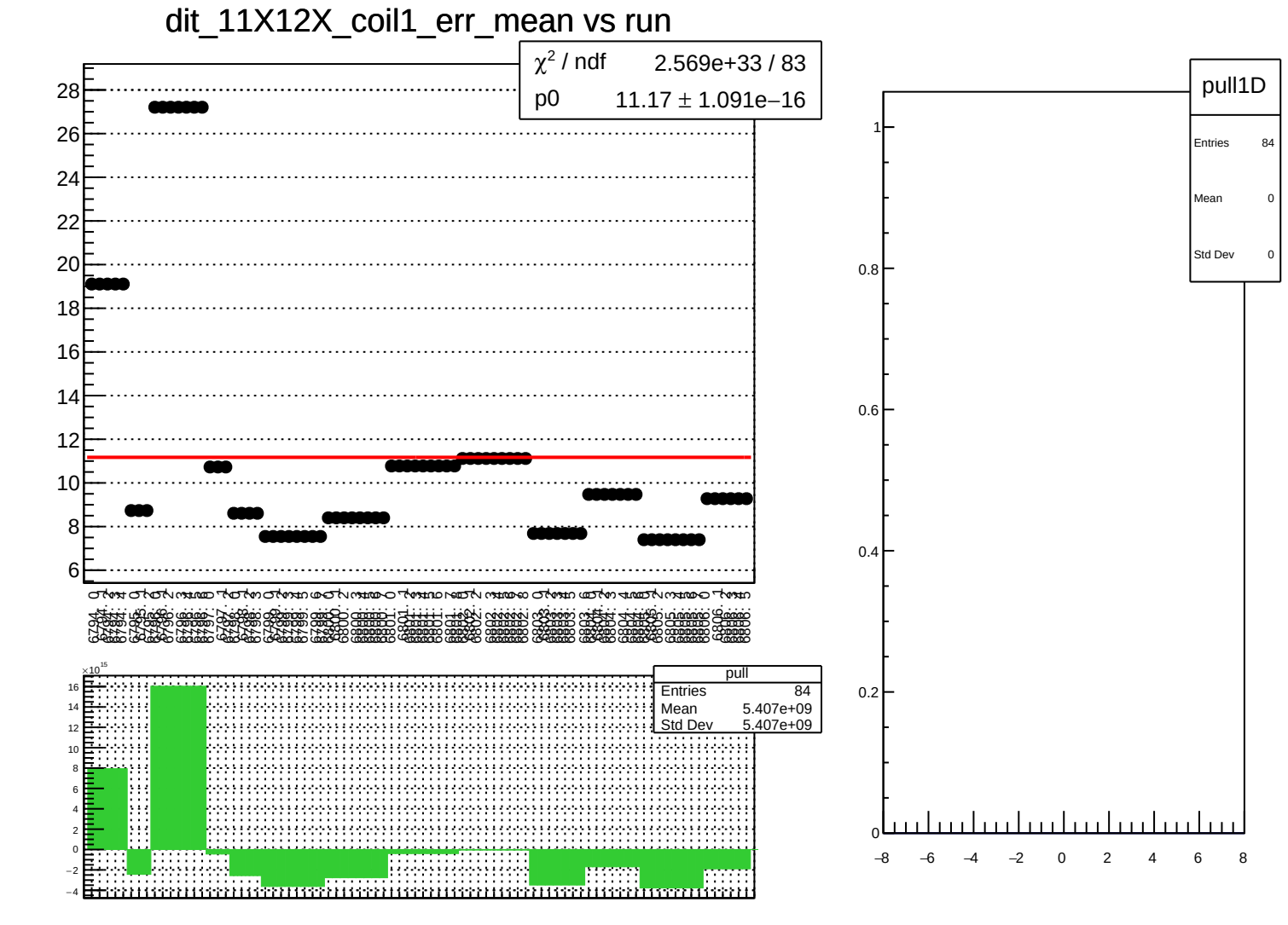

pull1D
Entries 84
Mean 0
Std Dev 0

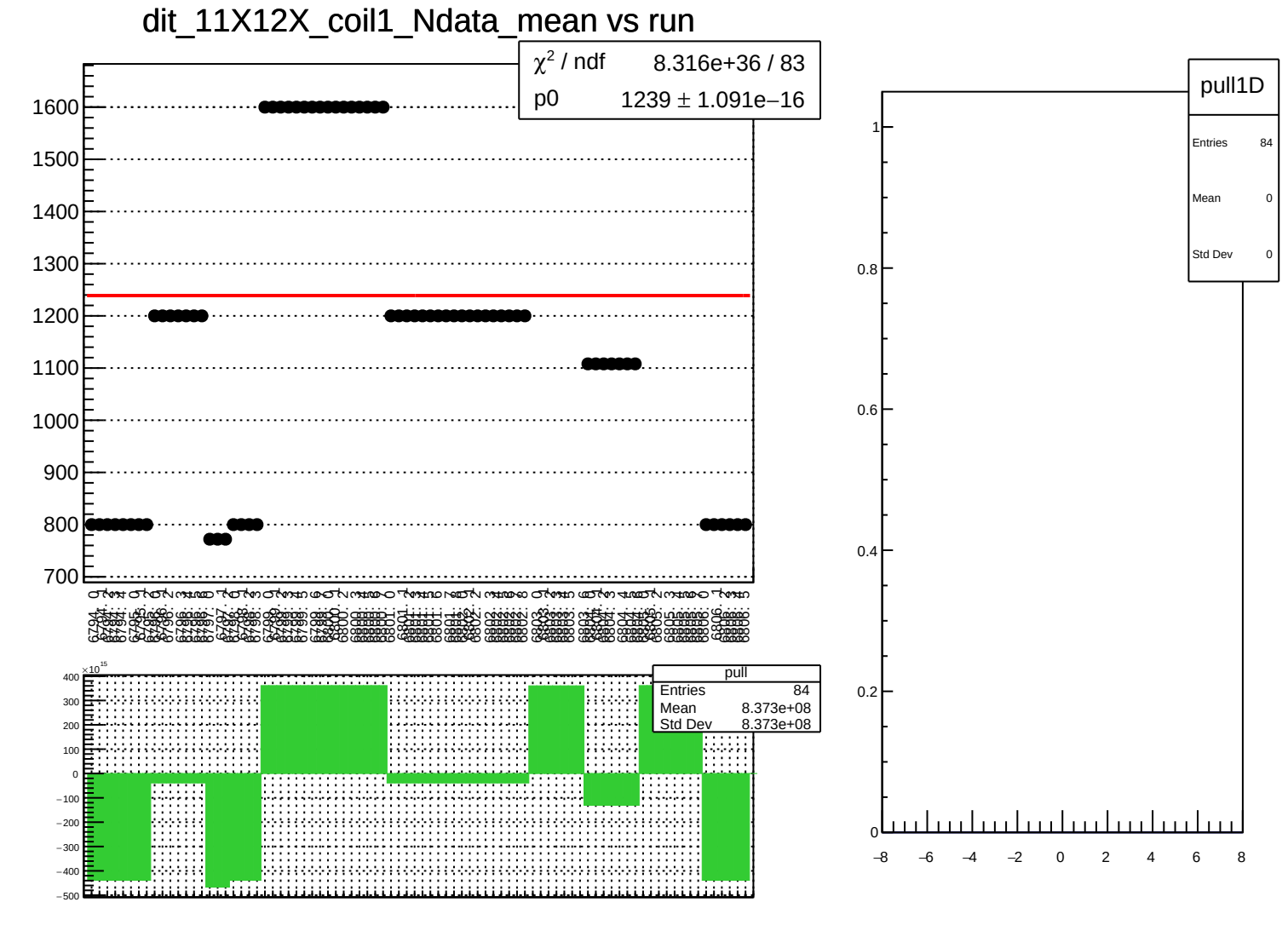

dit_4eX_coil1_Ndata_mean vs run
χ² / ndf 8.316e+36 / 83
p0 1239 ± 1.091e−16
1600
1500
1400
1300
1200
1100
1000
900
800
700
×10¹⁵
400
300
200
100
0
−100
−200
−300
−400
−500
pull
Entries 84
Mean 8.373e+08
Std Dev 8.373e+08

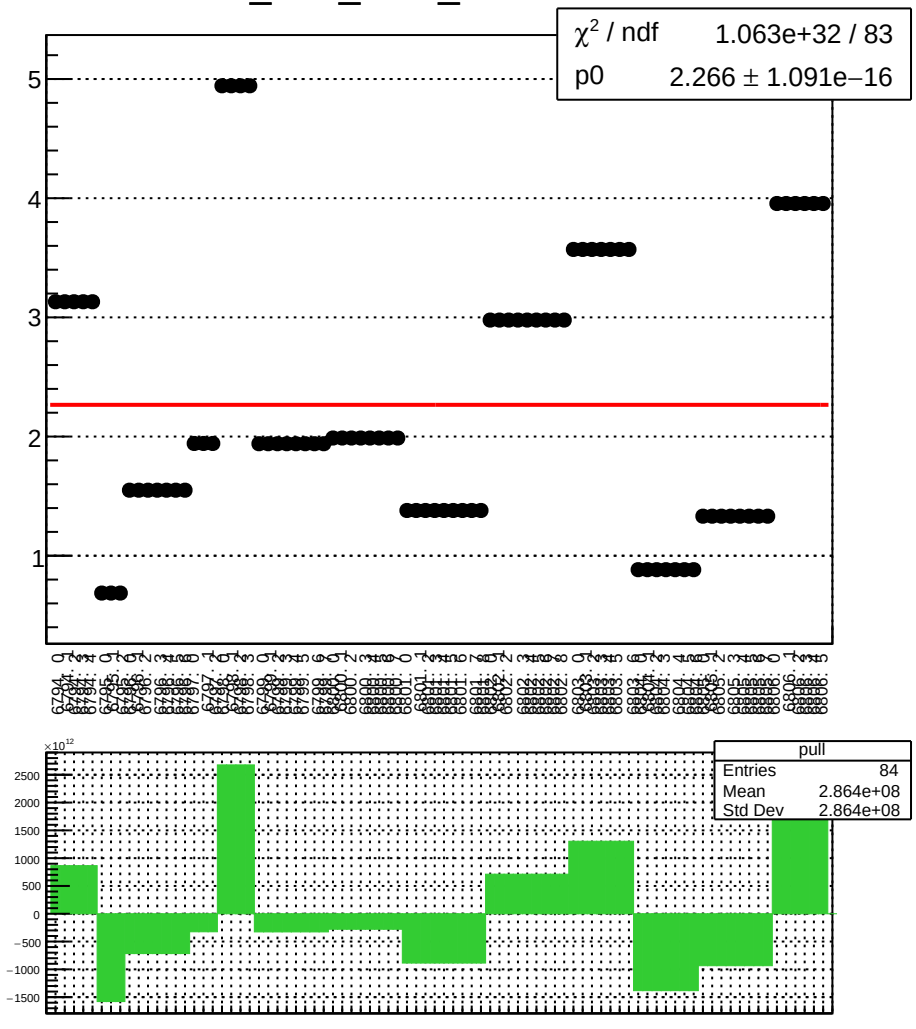

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

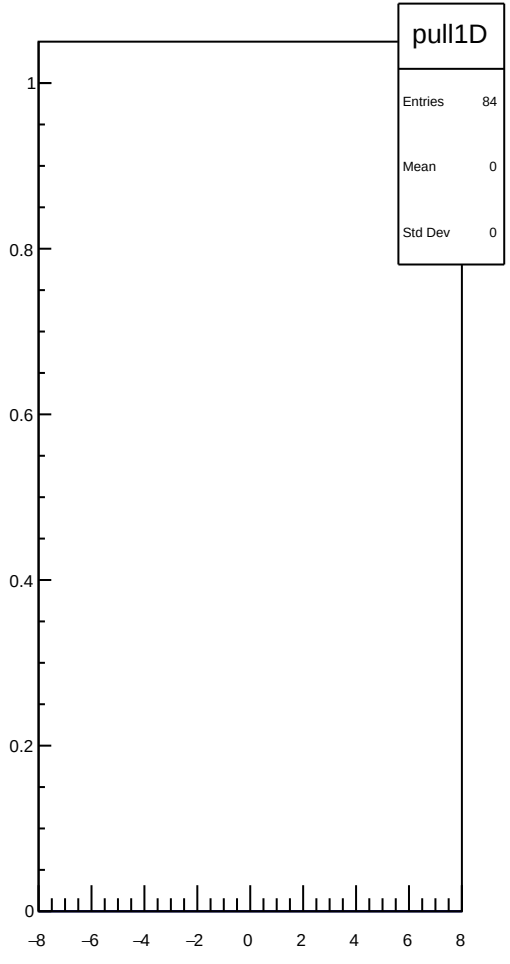

dit_11X12X_coil1_mean vs run
χ² / ndf 6.417e+32 / 83
p0 −243.8 ± 1.091e−16
−240
−242
−244
−246
−248
−250
−252
pull
Entries 84
Mean −1.404e+09
Std Dev 1.404e+09
×10¹²
4000
2000
0
−2000
−4000
−6000

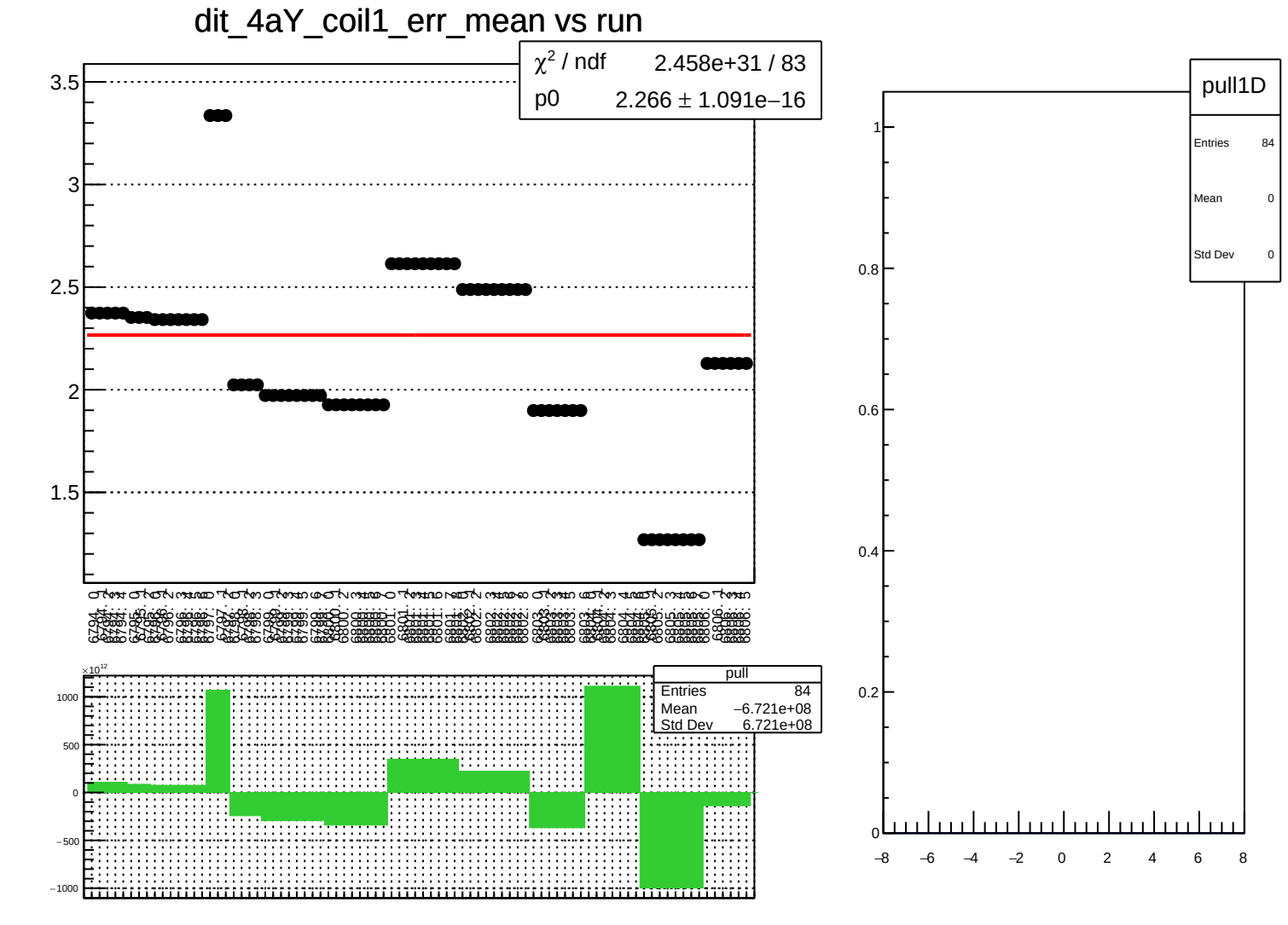

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

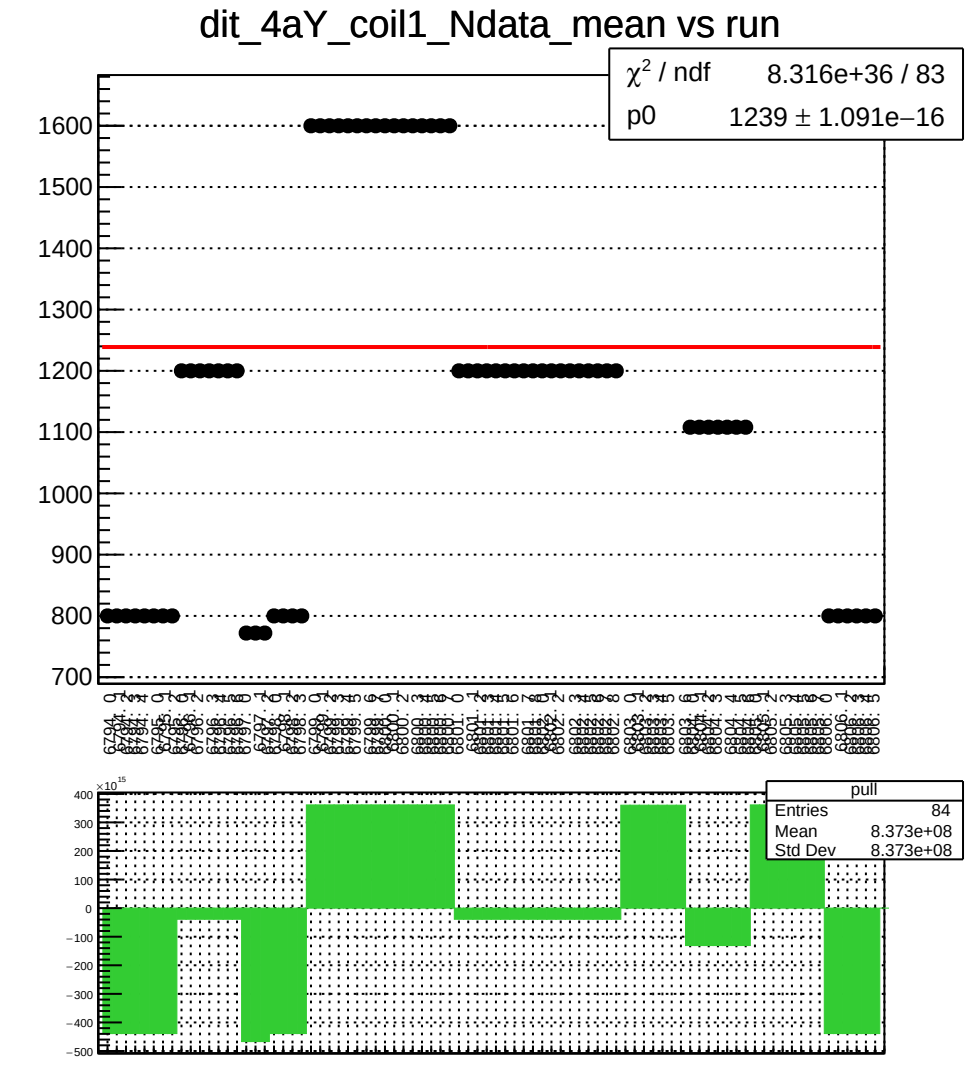

dit_11X12X_coil1_err_mean vs run
χ² / ndf 2.569e+33 / 83
p0 11.17 ± 1.091e−16
pull
Entries 84
Mean 5.407e+09
Std Dev 5.407e+09
pull1D
Entries 84
Mean 0
Std Dev 0

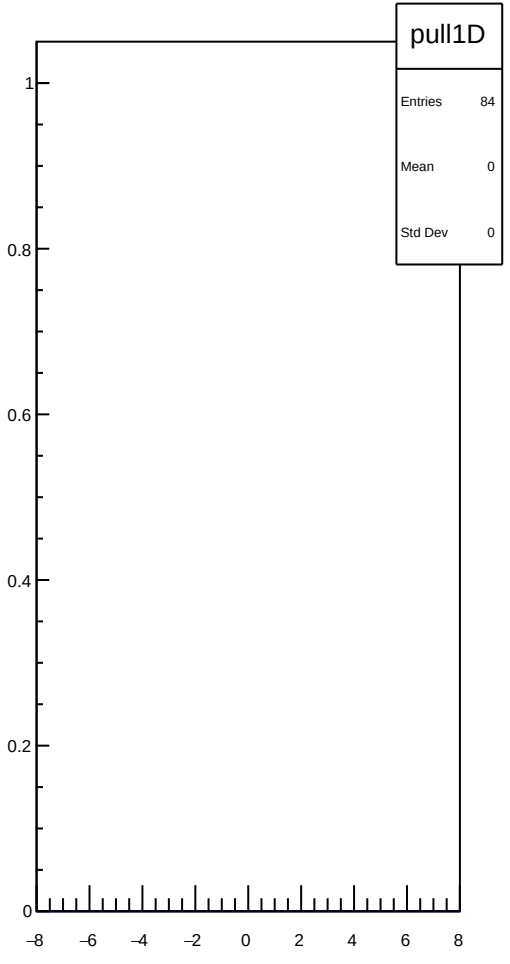

dit_11X12X_coil1_Ndata_mean vs run
χ² / ndf 8.316e+36 / 83
p0 1239 ± 1.091e−16
1600
1500
1400
1300
1200
1100
1000
900
800
700
pull
Entries 84
Mean 8.373e+08
Std Dev 8.373e+08
×10¹⁵
400
300
200
100
0
−100
−200
−300
−400
−500
pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

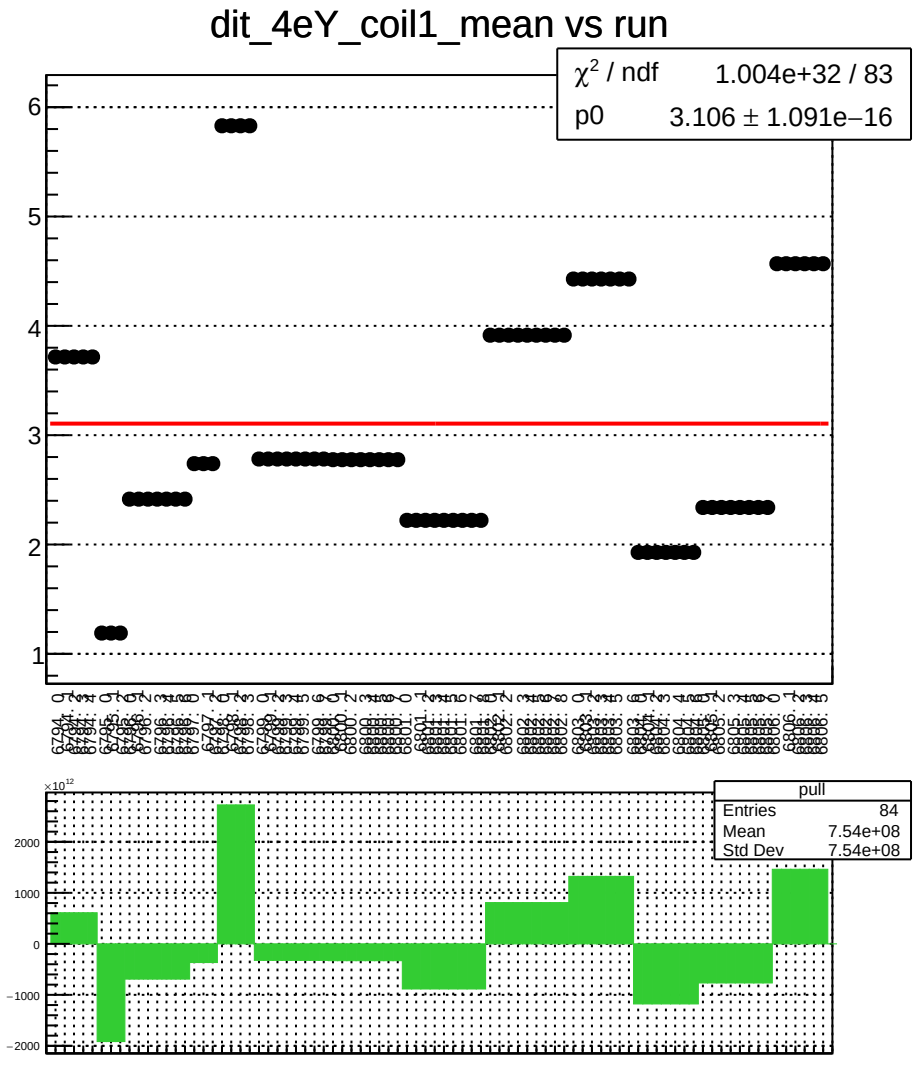

dit_4aY_coil1_mean vs run
χ² / ndf 1.063e+32 / 83
p0 2.266 ± 1.091e−16
pull
Entries 84
Mean 2.864e+08
Std Dev 2.864e+08

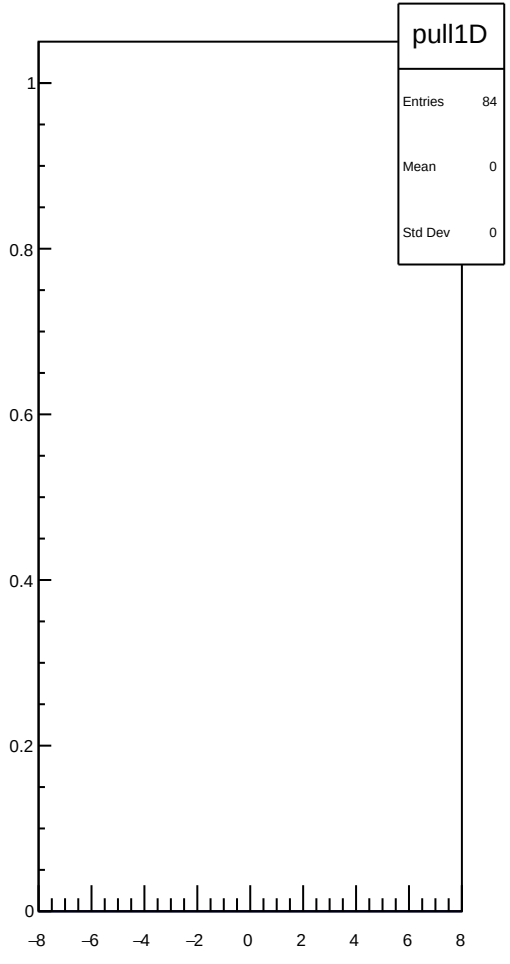

pull1D
Entries 84
Mean 0
Std Dev 0

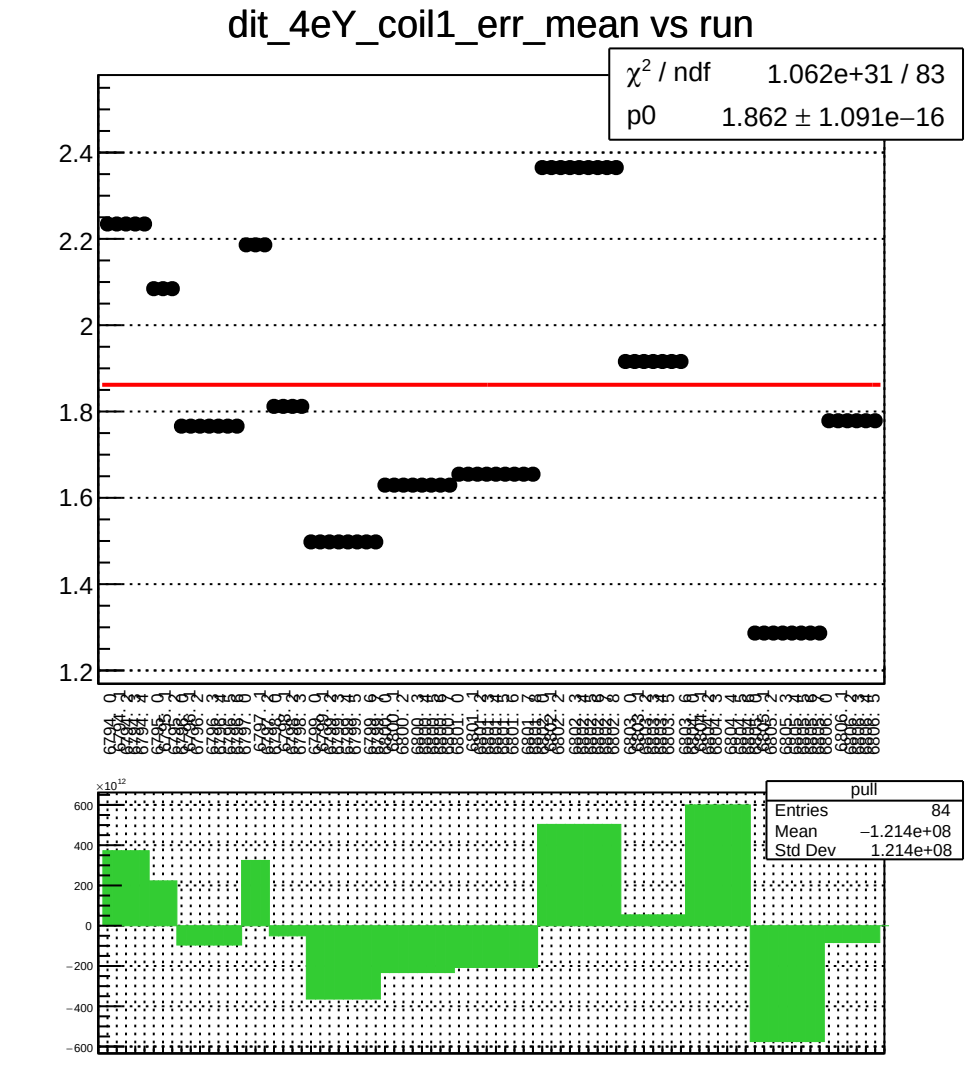

dit_4aY_coil1_err_mean vs run
χ² / ndf 2.458e+31 / 83
p0 2.266 ± 1.091e−16
3.5
3
2.5
2
1.5
pull
Entries 84
Mean −6.721e+08
Std Dev 6.721e+08
×10¹²
1000
500
0
−500
−1000
pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

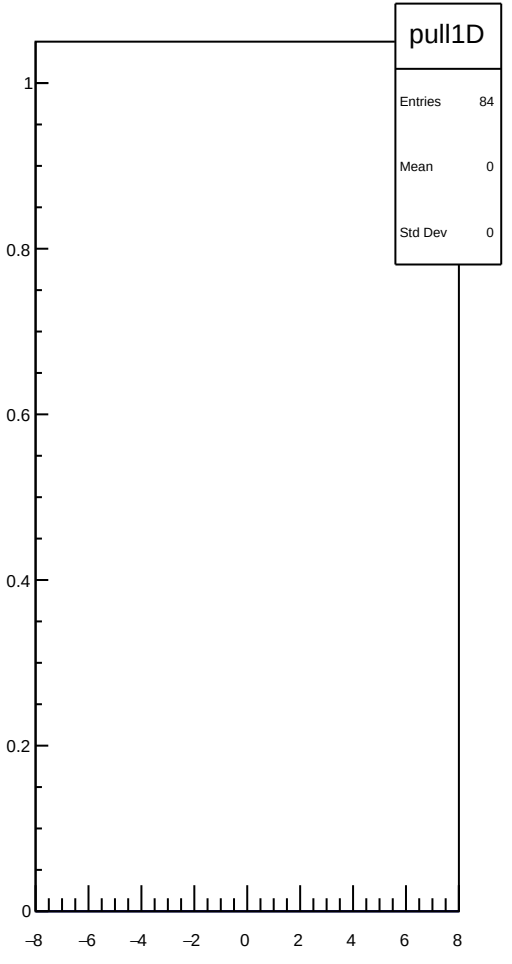

dit_4aY_coil1_Ndata_mean vs run
χ² / ndf 8.316e+36 / 83
p0 1239 ± 1.091e−16
pull
Entries 84
Mean 8.373e+08
Std Dev 8.373e+08
×10¹⁵

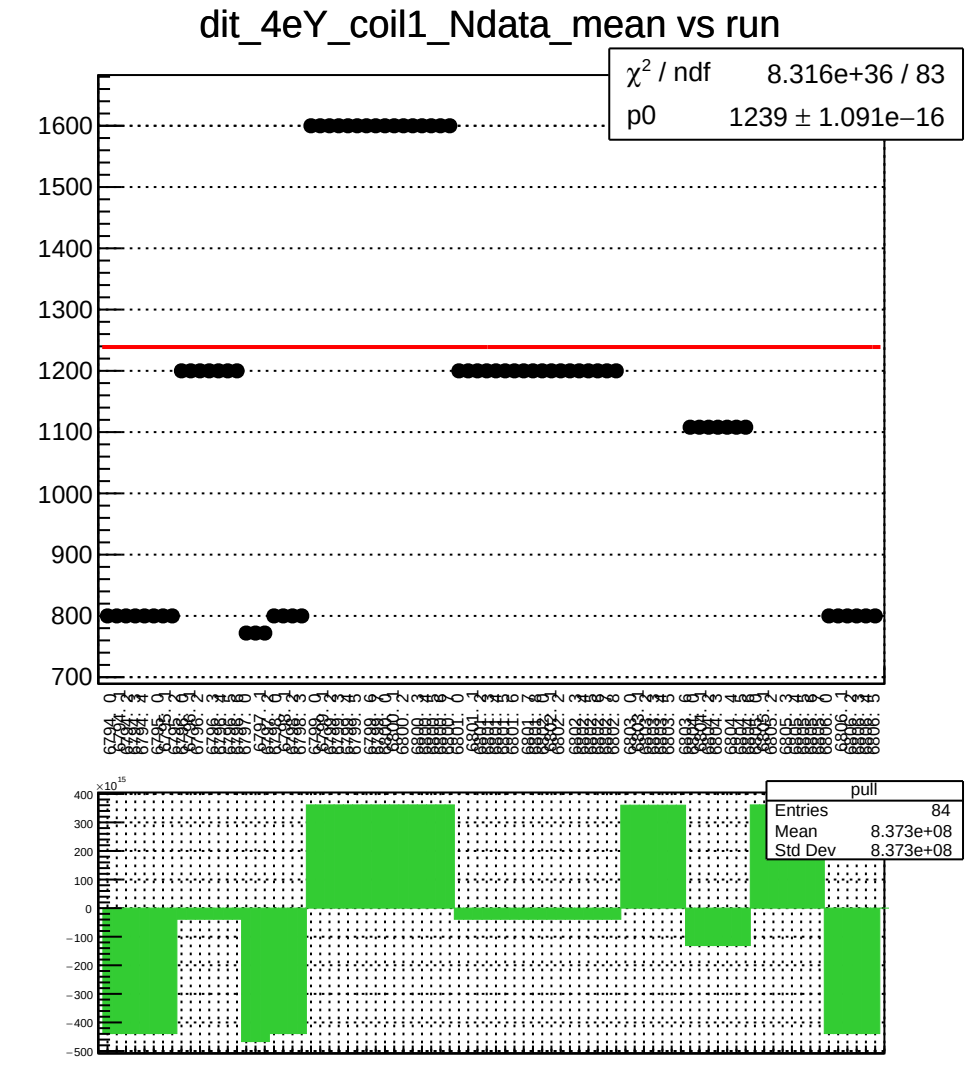

pull1D
Entries 84
Mean 0
Std Dev 0

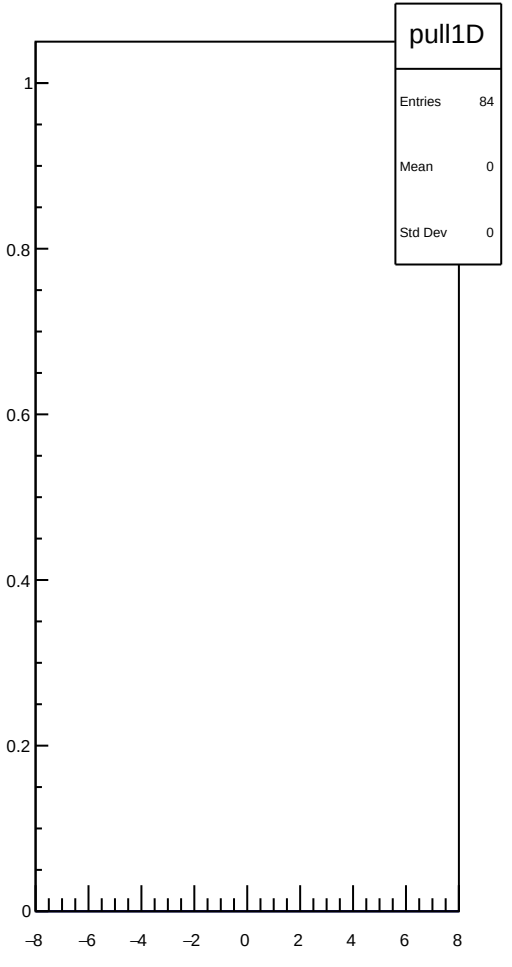

dit_4eY_coil1_mean vs run
χ² / ndf 1.004e+32 / 83
p0 3.106 ± 1.091e−16
pull
Entries 84
Mean 7.54e+08
Std Dev 7.54e+08

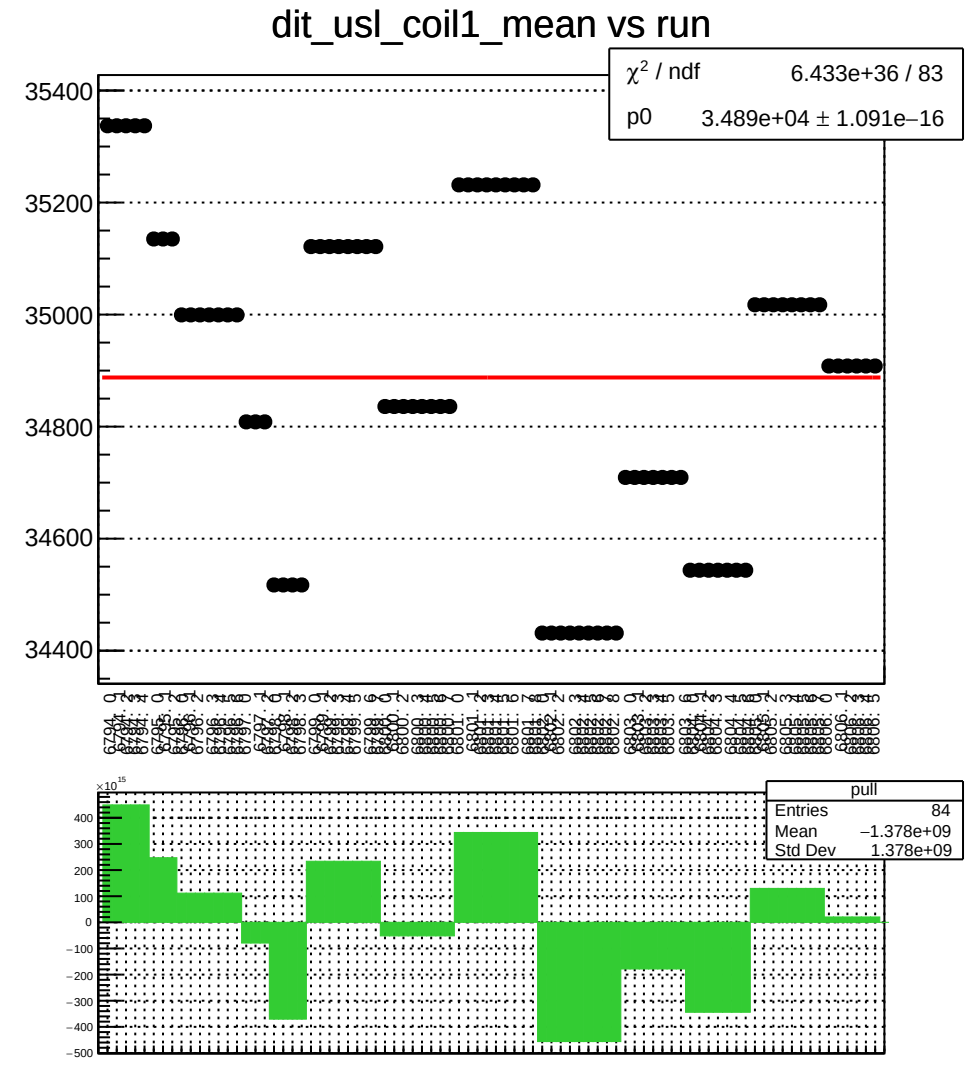

pull1D
Entries 84
Mean 0
Std Dev 0

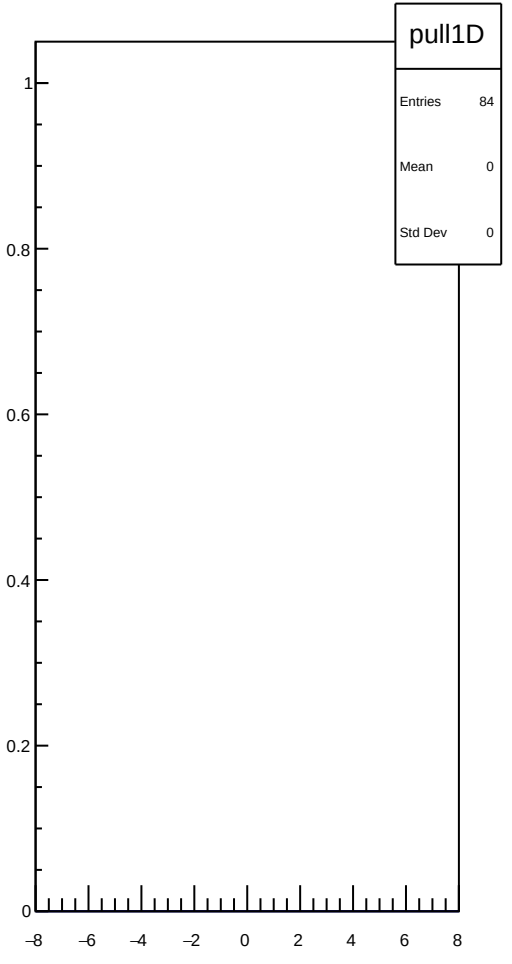

dit_4eY_coil1_err_mean vs run
χ² / ndf 1.062e+31 / 83
p0 1.862 ± 1.091e−16
2.4
2.2
2
1.8
1.6
1.4
1.2
pull
Entries 84
Mean −1.214e+08
Std Dev 1.214e+08
×10¹²
600
400
200
0
−200
−400
−600

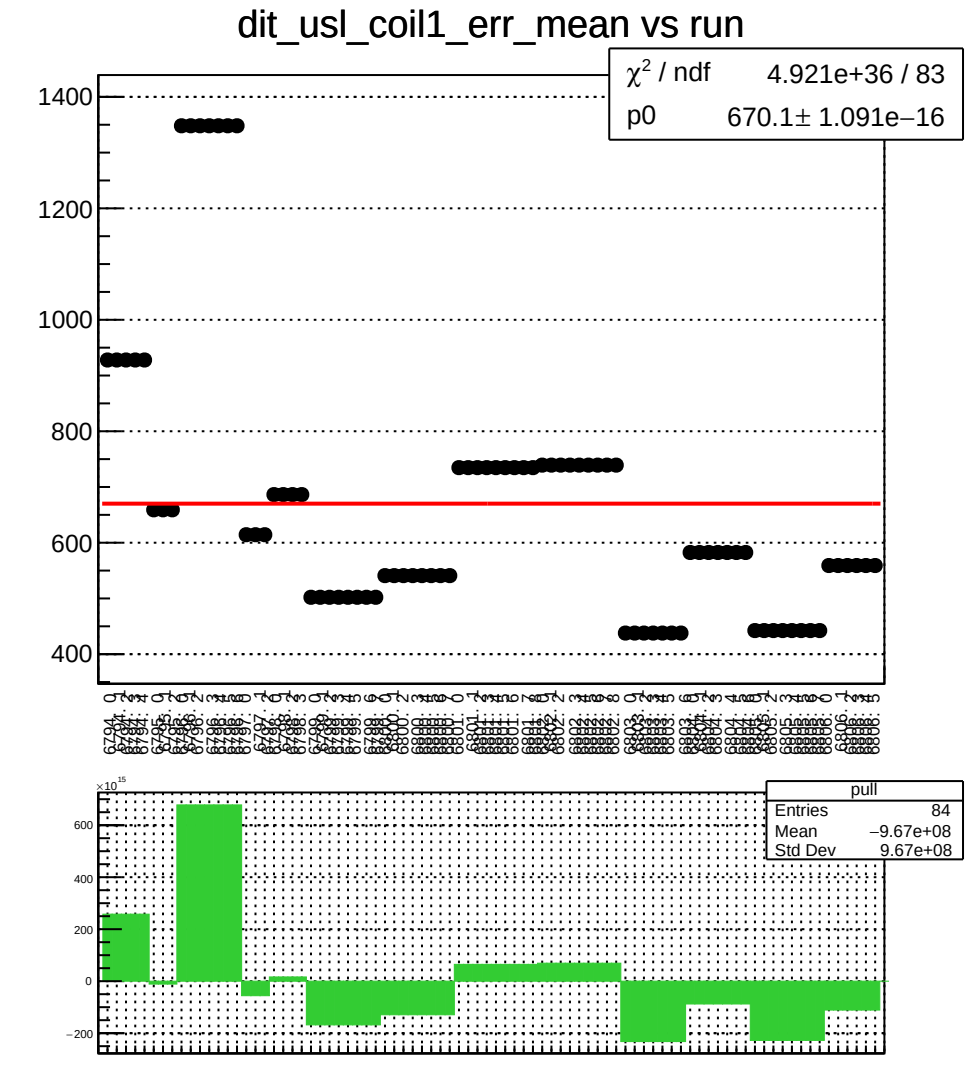

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

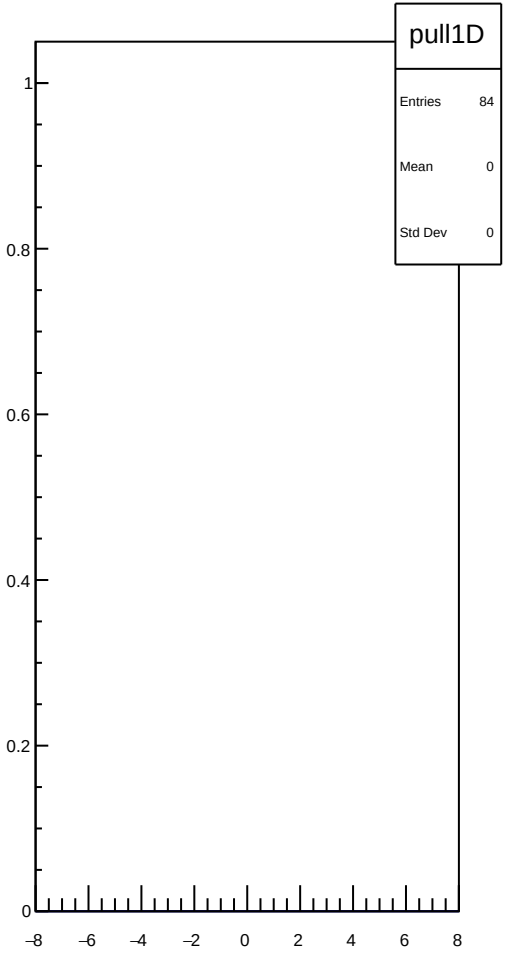

dit_4eY_coil1_Ndata_mean vs run
χ² / ndf 8.316e+36 / 83
p0 1239 ± 1.091e−16
1600
1500
1400
1300
1200
1100
1000
900
800
700
pull
Entries 84
Mean 8.373e+08
Std Dev 8.373e+08
×10¹⁵
400
300
200
100
0
−100
−200
−300
−400
−500

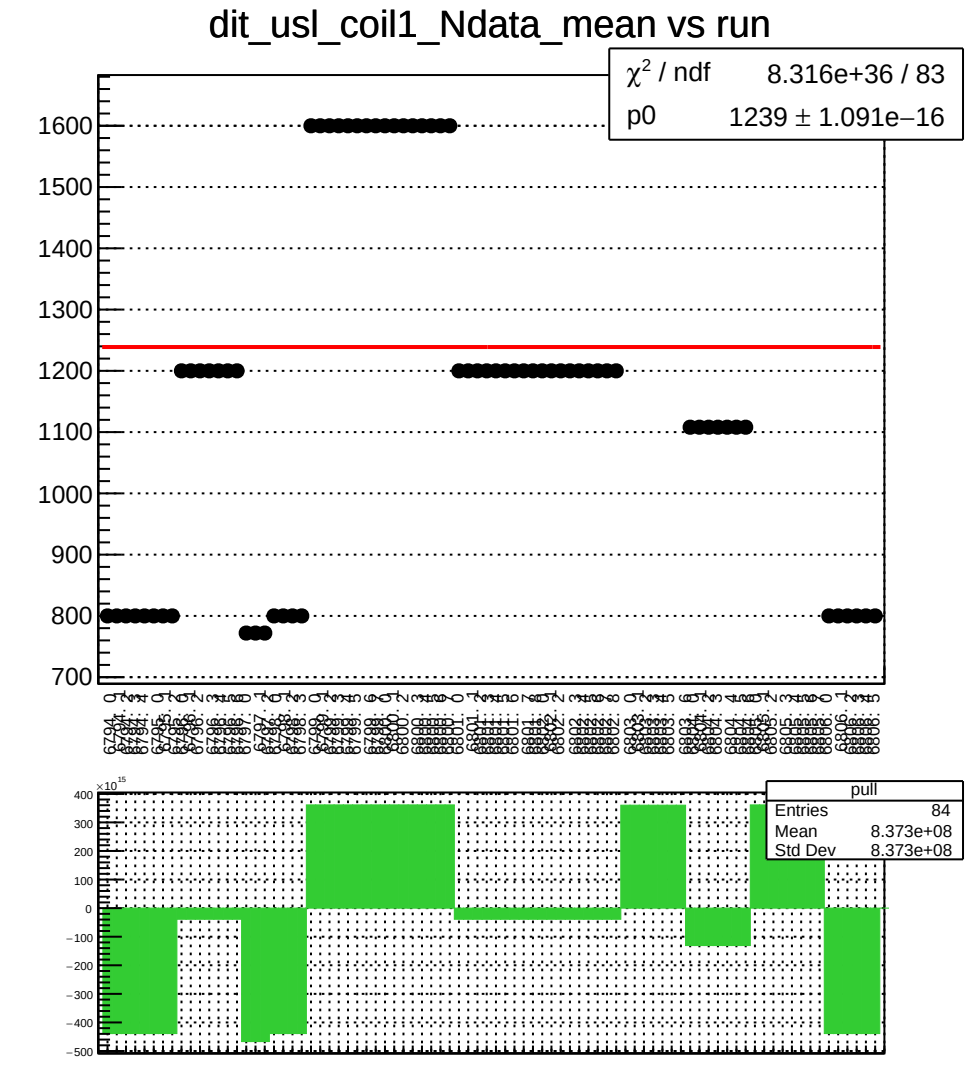

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

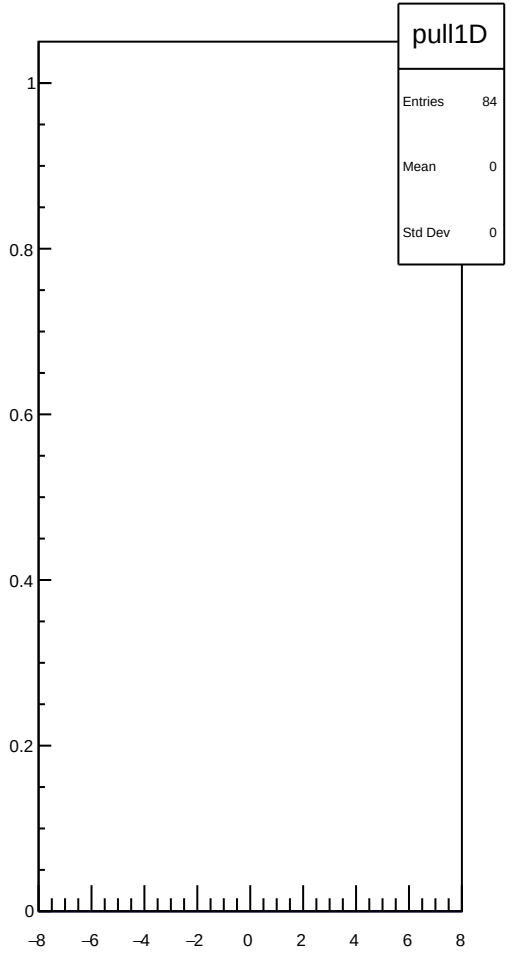

dit_usl_coil1_mean vs run
χ² / ndf 6.433e+36 / 83
p0 3.489e+04 ± 1.091e−16
35400
35200
35000
34800
34600
34400
pull
Entries 84
Mean −1.378e+09
Std Dev 1.378e+09
×10¹⁵
400
300
200
100
0
−100
−200
−300
−400
−500

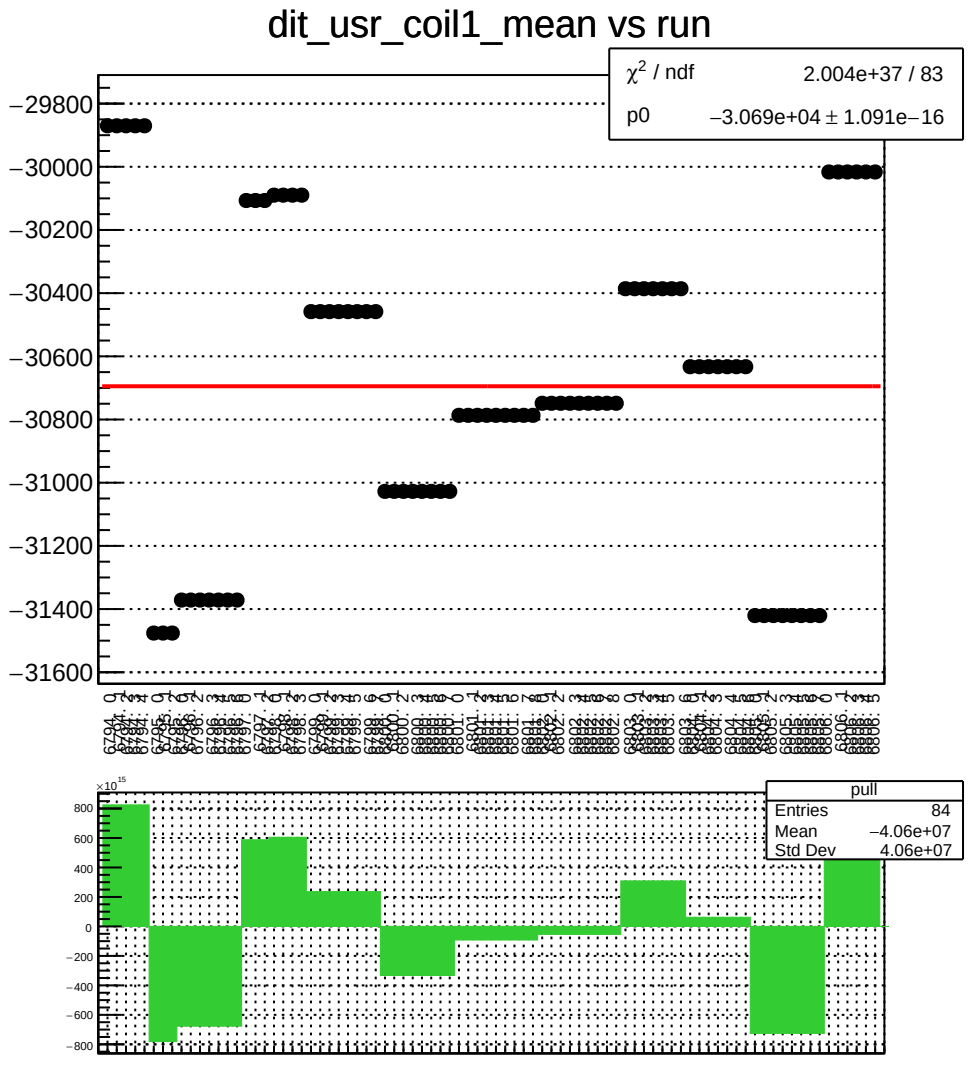

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

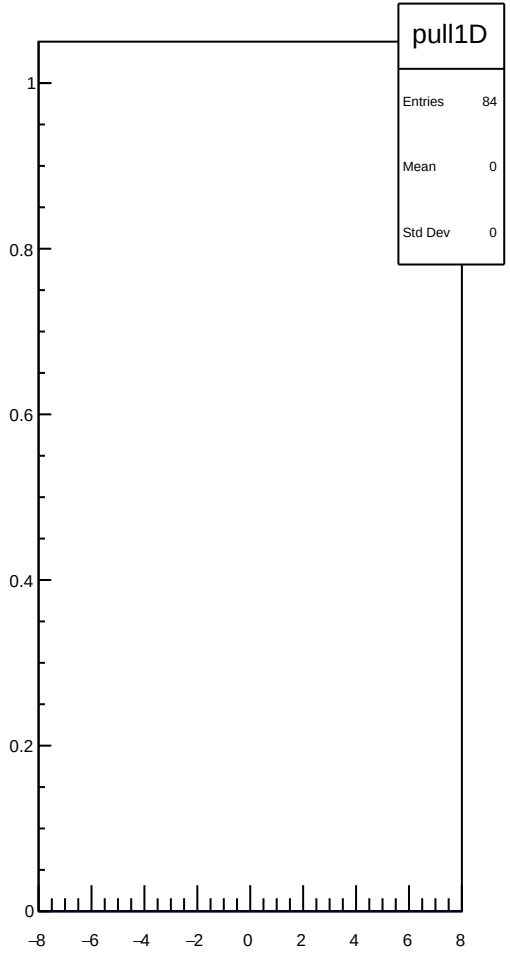

dit_usl_coil1_err_mean vs run
χ² / ndf 4.921e+36 / 83
p0 670.1± 1.091e−16
1400
1200
1000
800
600
400
pull
Entries 84
Mean −9.67e+08
Std Dev 9.67e+08
×10¹⁵
600
400
200
0
−200

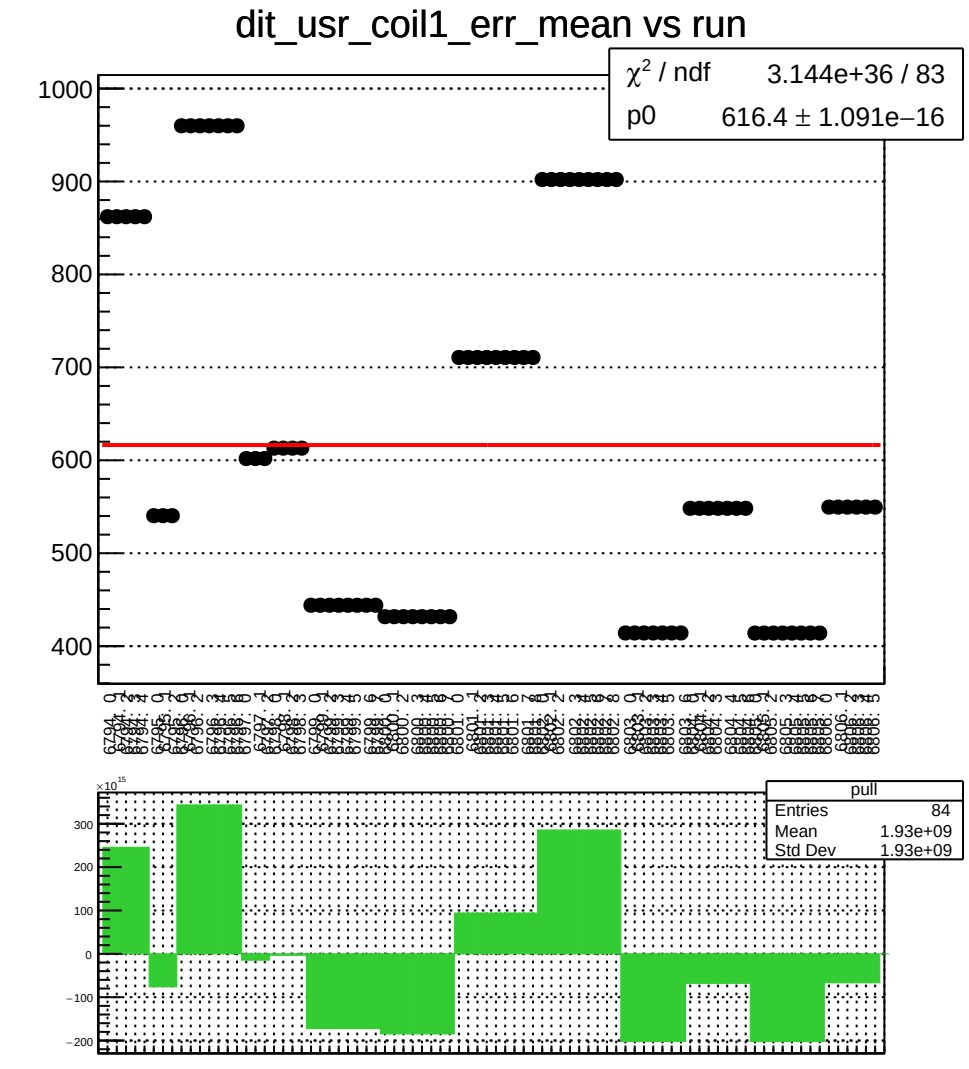

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

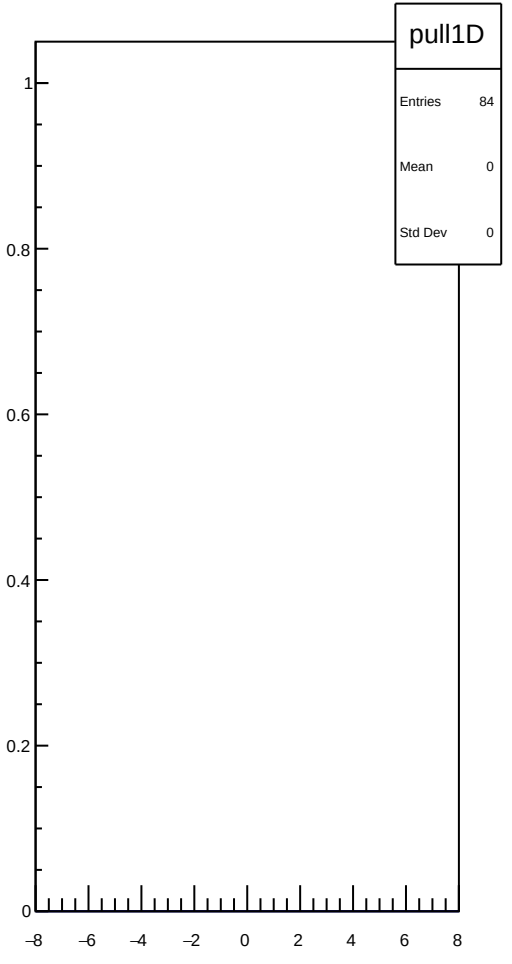

dit_usl_coil1_Ndata_mean vs run
χ² / ndf 8.316e+36 / 83
p0 1239 ± 1.091e−16
pull
Entries 84
Mean 8.373e+08
Std Dev 8.373e+08

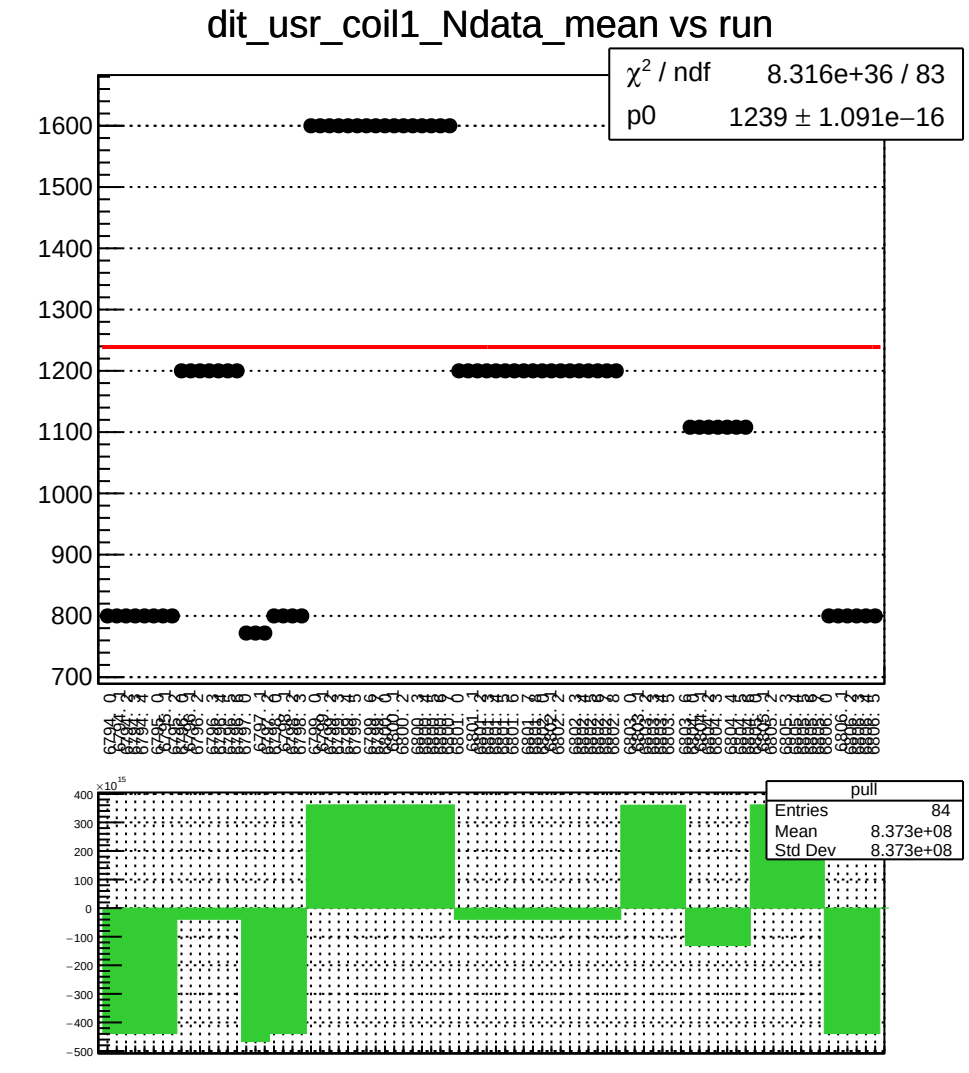

pull1D
Entries 84
Mean 0
Std Dev 0

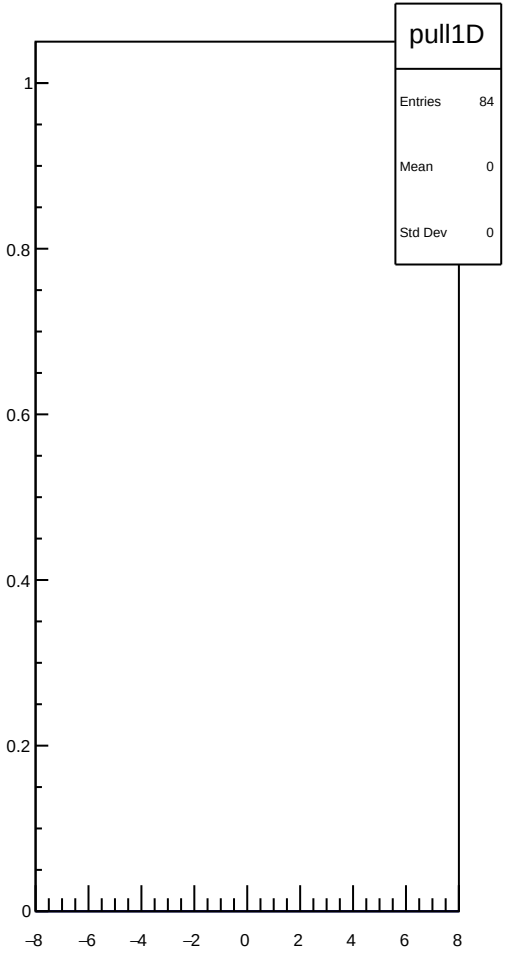

dit_usr_coil1_mean vs run
χ² / ndf 2.004e+37 / 83
p0 −3.069e+04 ± 1.091e−16
−29800
−30000
−30200
−30400
−30600
−30800
−31000
−31200
−31400
−31600
pull
Entries 84
Mean −4.06e+07
Std Dev 4.06e+07
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800

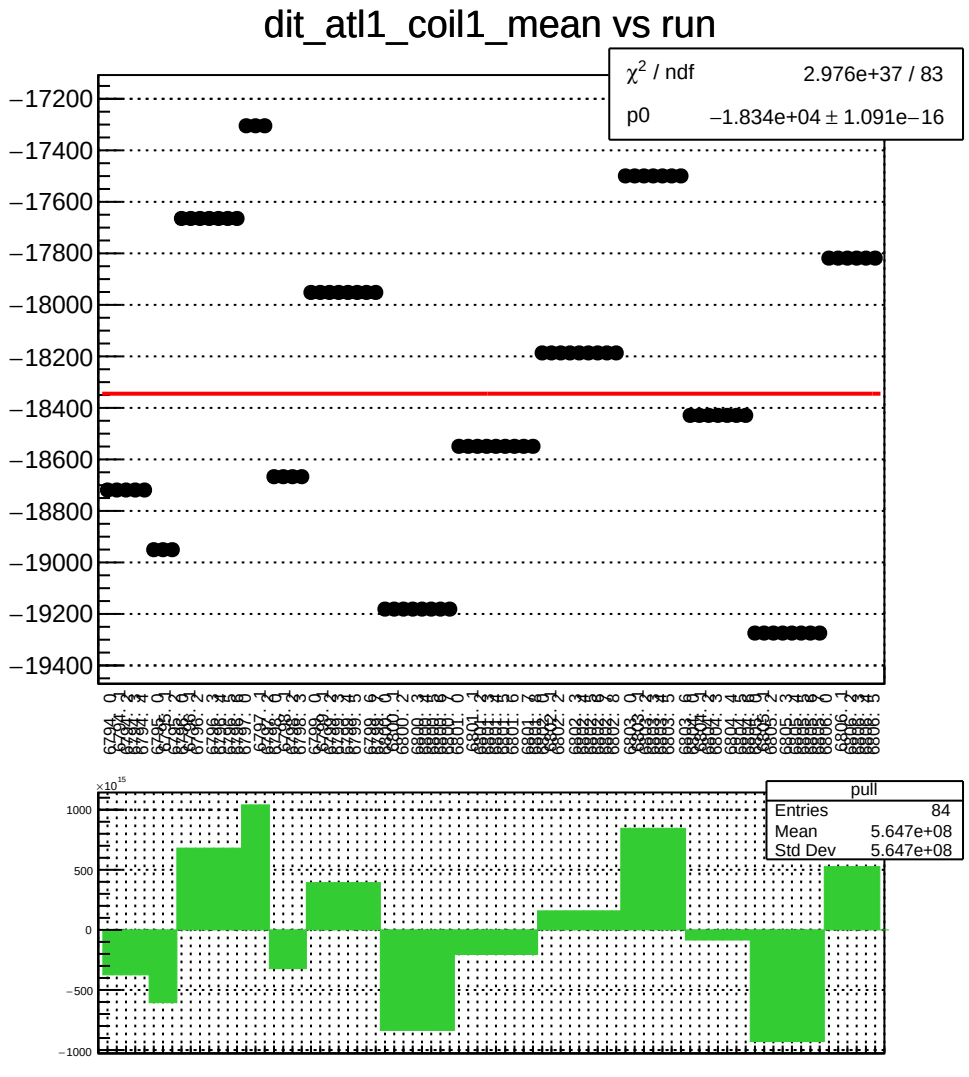

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

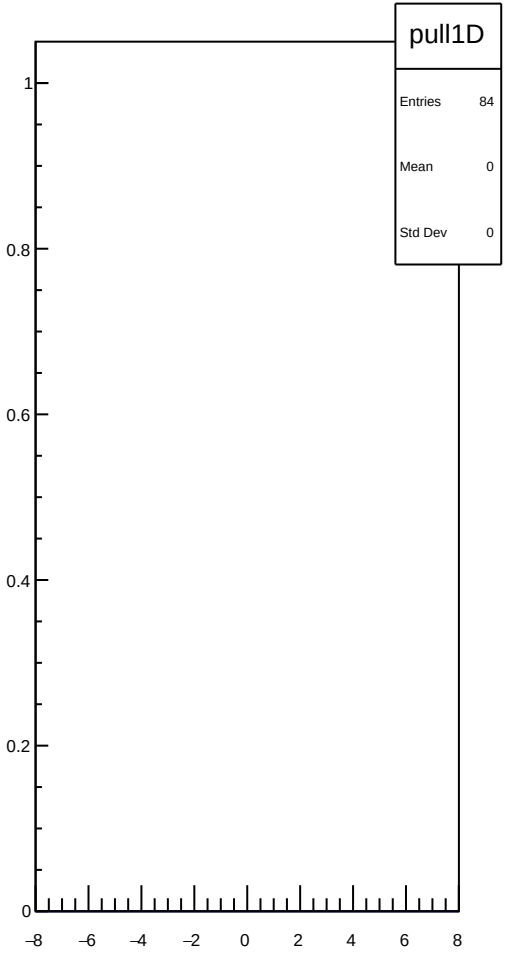

dit_usr_coil1_err_mean vs run
χ² / ndf 3.144e+36 / 83
p0 616.4 ± 1.091e−16
1000
900
800
700
600
500
400
pull
Entries 84
Mean 1.93e+09
Std Dev 1.93e+09
×10¹⁵
300
200
100
0
−100
−200

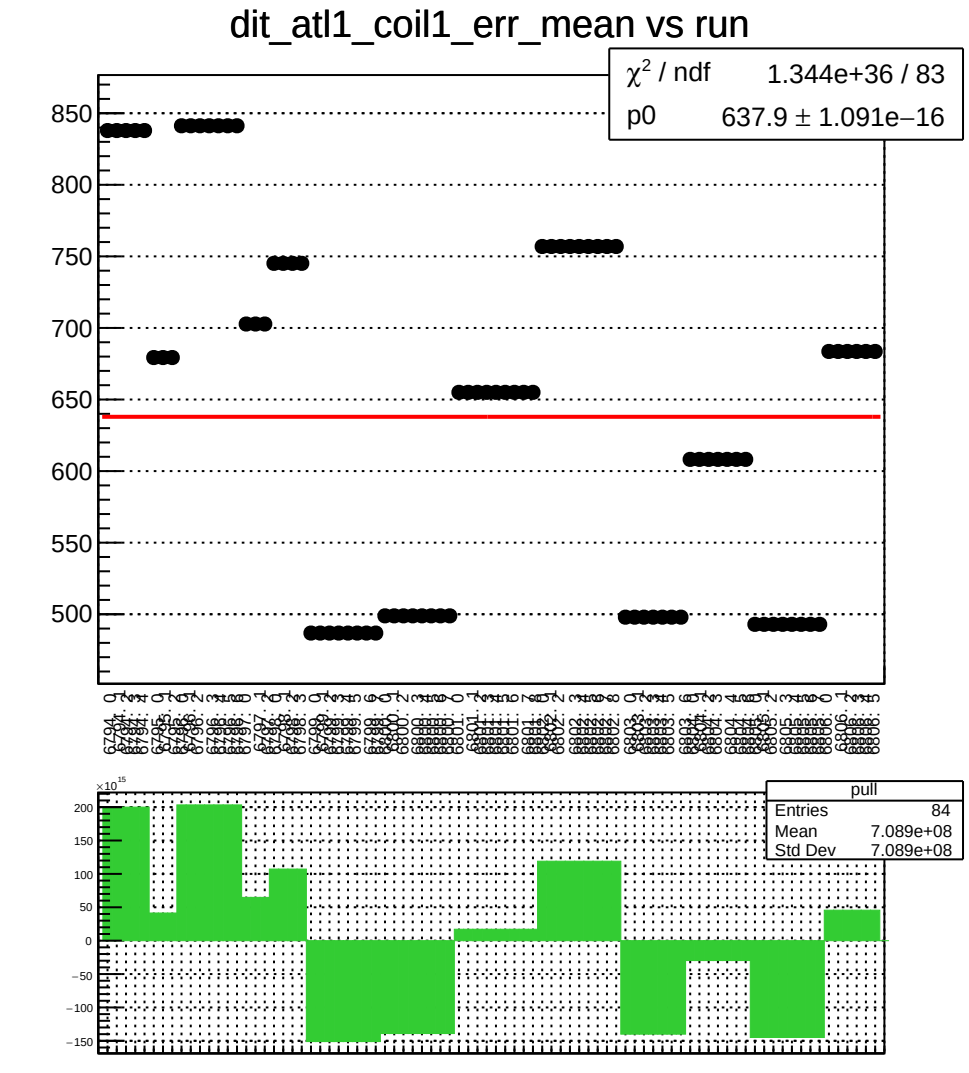

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

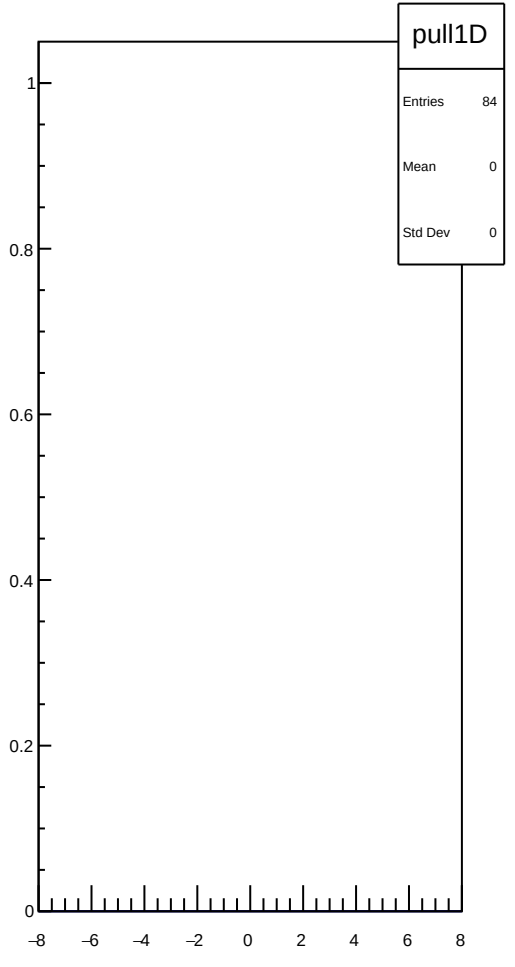

dit_usr_coil1_Ndata_mean vs run
χ² / ndf 8.316e+36 / 83
p0 1239 ± 1.091e−16
1600
1500
1400
1300
1200
1100
1000
900
800
700
pull
Entries 84
Mean 8.373e+08
Std Dev 8.373e+08
×10¹⁵
400
300
200
100
0
−100
−200
−300
−400
−500

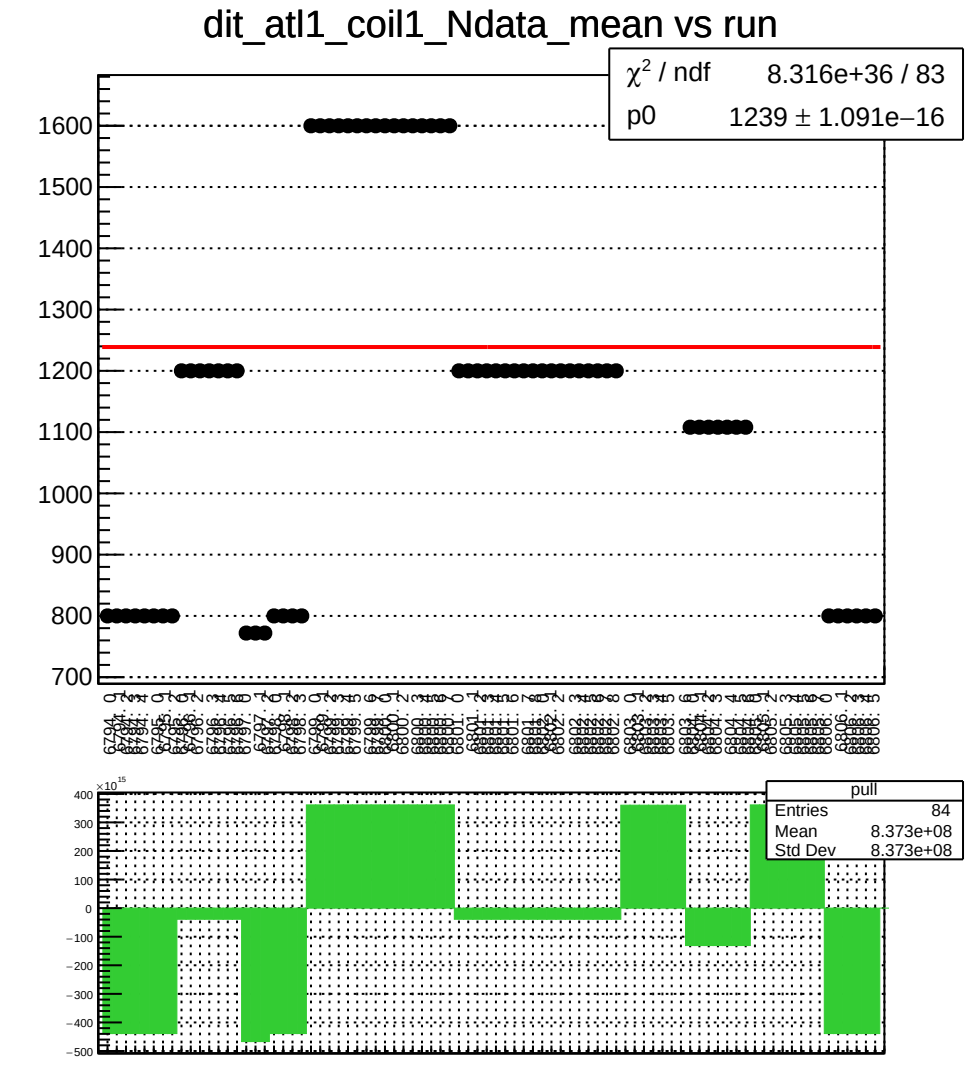

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

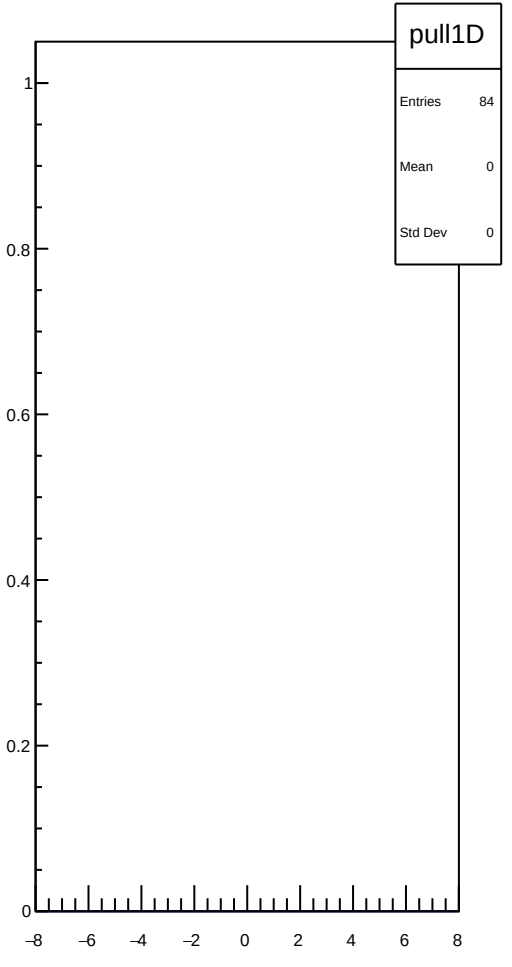

dit_atl1_coil1_mean vs run
χ² / ndf 2.976e+37 / 83
p0 −1.834e+04 ± 1.091e−16
−17200
−17400
−17600
−17800
−18000
−18200
−18400
−18600
−18800
−19000
−19200
−19400
pull
Entries 84
Mean 5.647e+08
Std Dev 5.647e+08
×10¹⁵
1000
500
0
−500
−1000

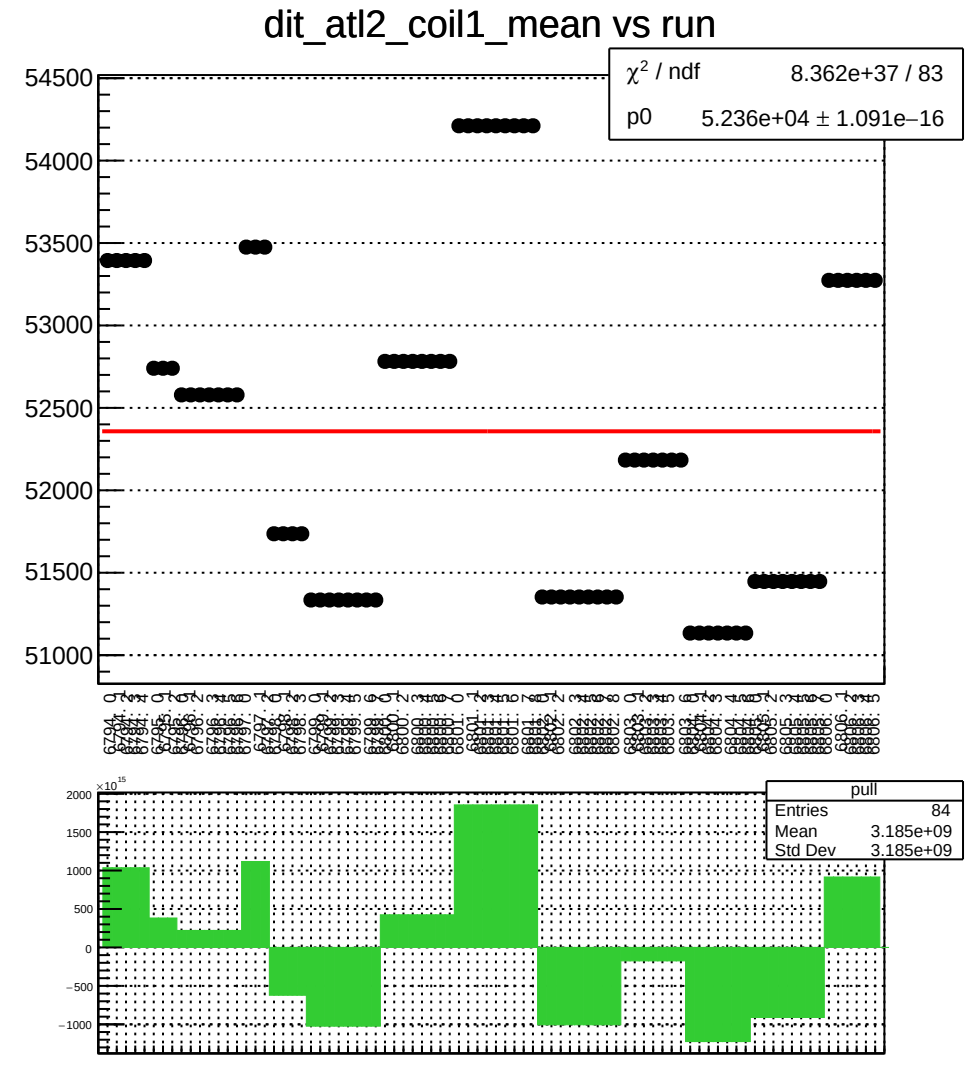

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

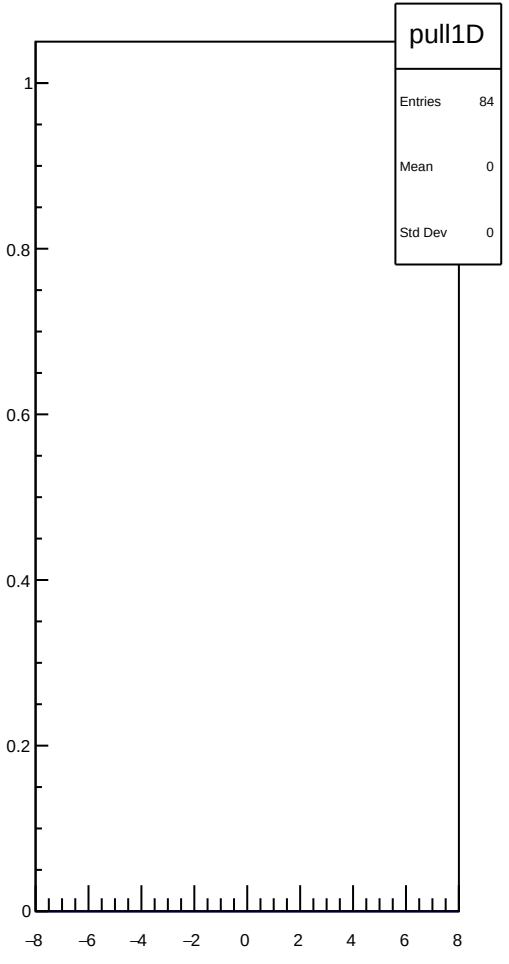

dit_atl1_coil1_err_mean vs run
χ² / ndf 1.344e+36 / 83
p0 637.9 ± 1.091e−16
pull
Entries 84
Mean 7.089e+08
Std Dev 7.089e+08

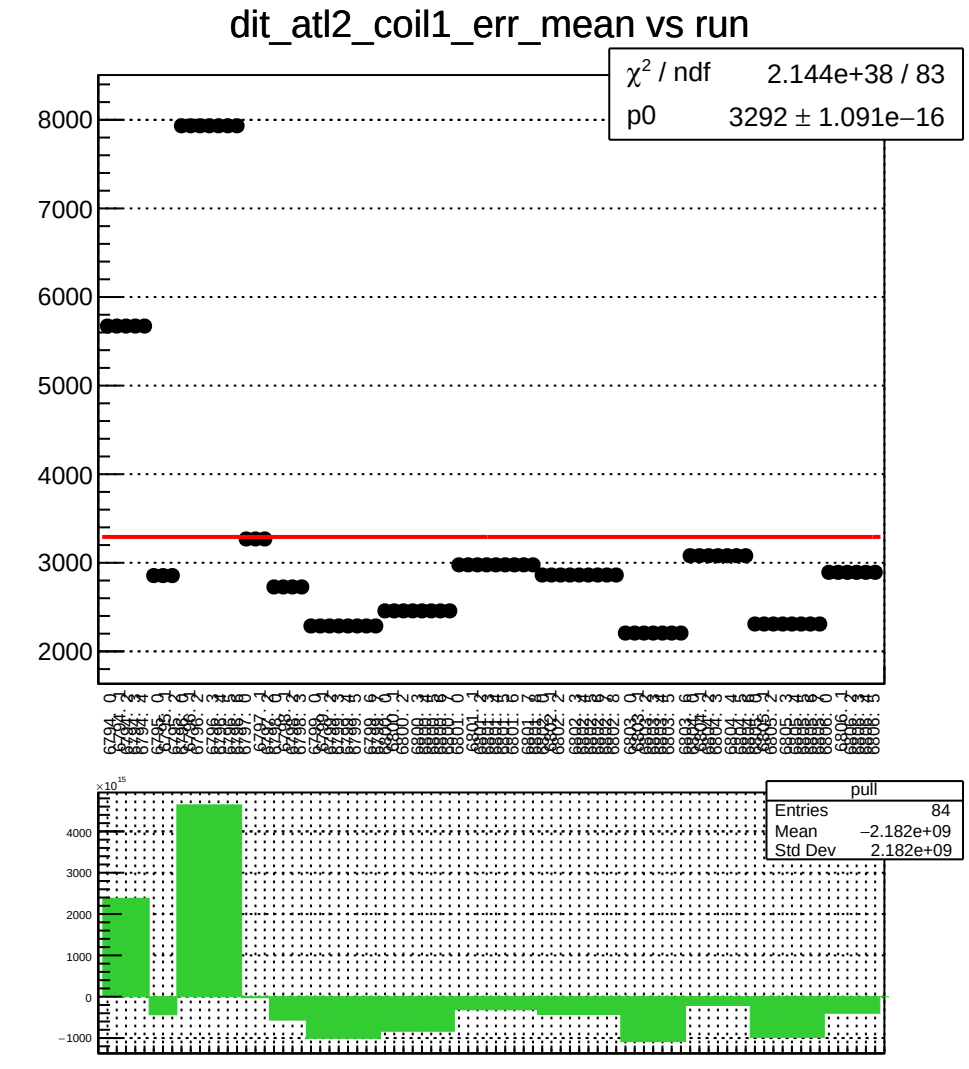

pull1D
Entries 84
Mean 0
Std Dev 0

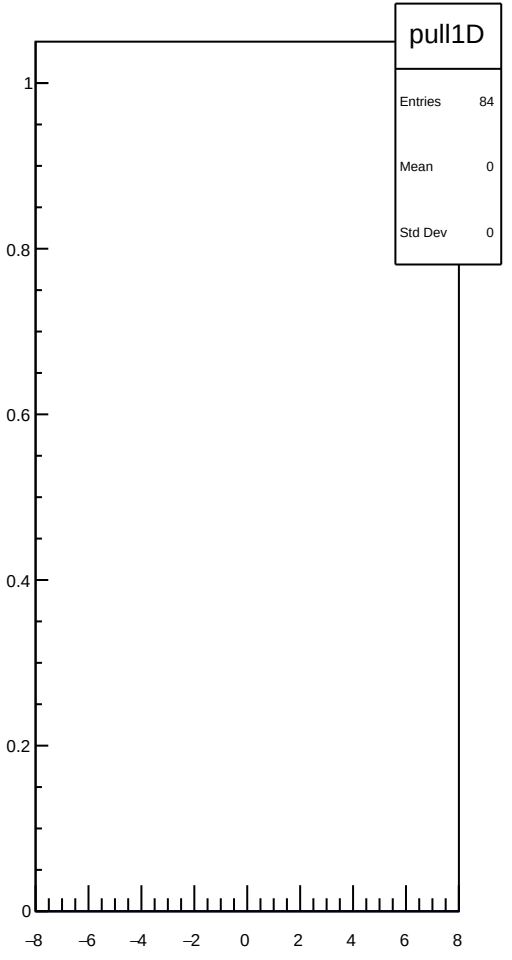

dit_atl1_coil1_Ndata_mean vs run
χ² / ndf 8.316e+36 / 83
p0 1239 ± 1.091e−16
1600
1500
1400
1300
1200
1100
1000
900
800
700
×10¹⁵
400
300
200
100
0
−100
−200
−300
−400
−500
pull
Entries 84
Mean 8.373e+08
Std Dev 8.373e+08

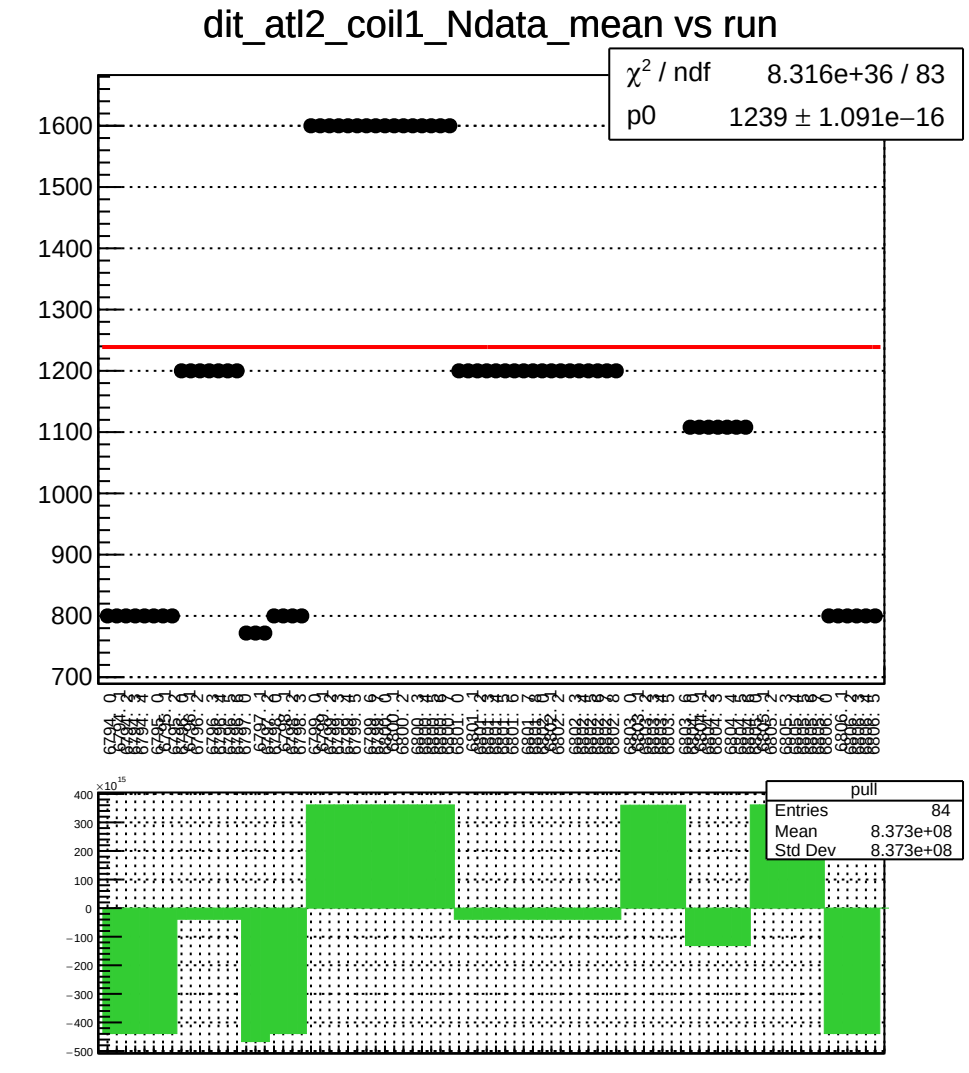

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

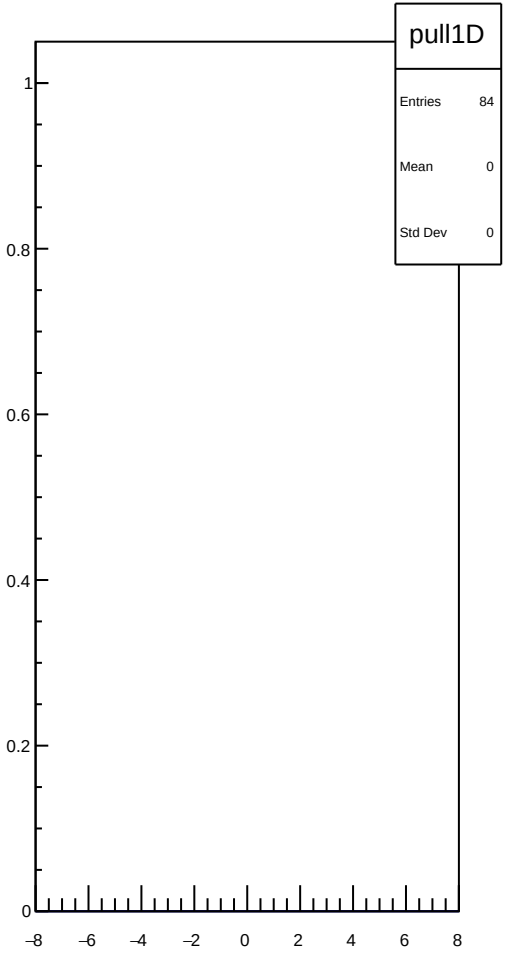

dit_atl2_coil1_mean vs run
χ² / ndf 8.362e+37 / 83
p0 5.236e+04 ± 1.091e−16
54500
54000
53500
53000
52500
52000
51500
51000
pull
Entries 84
Mean 3.185e+09
Std Dev 3.185e+09
×10¹⁵
2000
1500
1000
500
0
−500
−1000

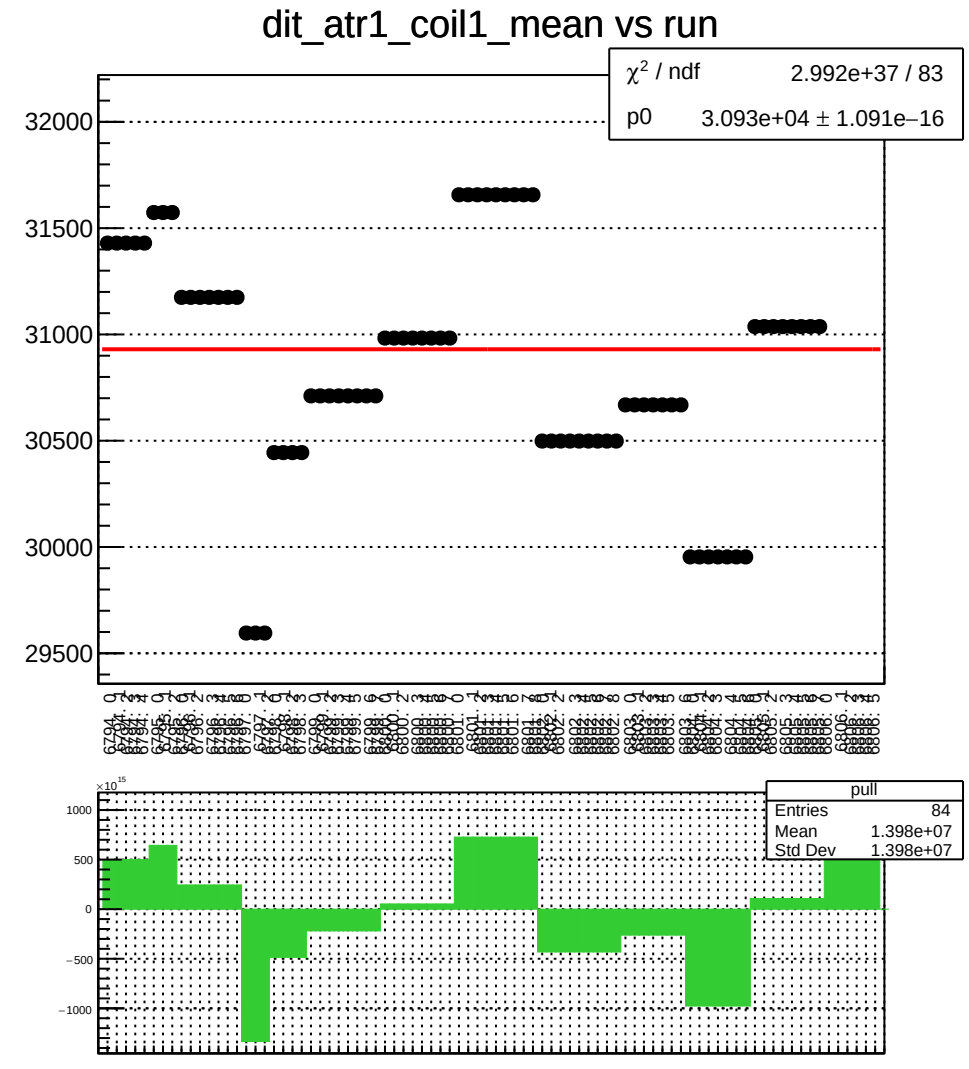

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

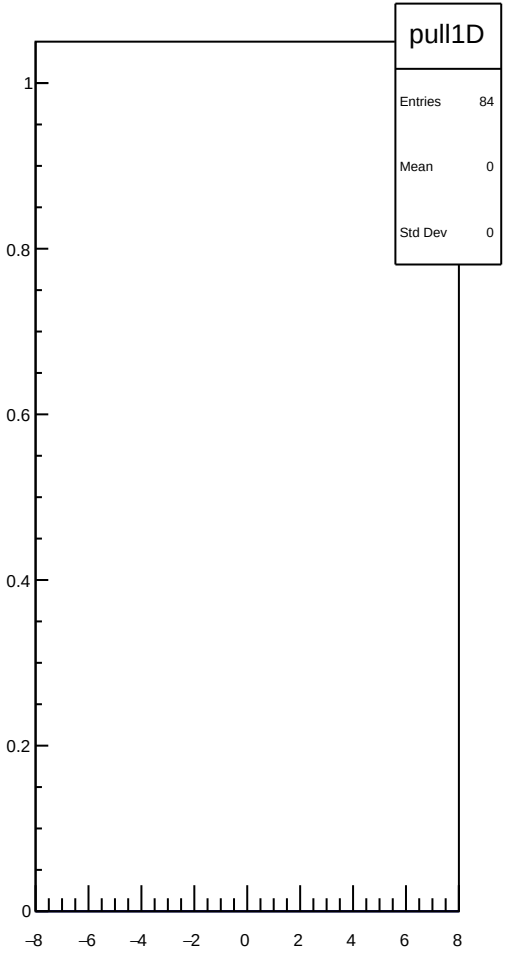

dit_atl2_coil1_err_mean vs run
χ² / ndf 2.144e+38 / 83
p0 3292 ± 1.091e−16
8000
7000
6000
5000
4000
3000
2000
pull
Entries 84
Mean −2.182e+09
Std Dev 2.182e+09
×10¹⁵
4000
3000
2000
1000
0
−1000

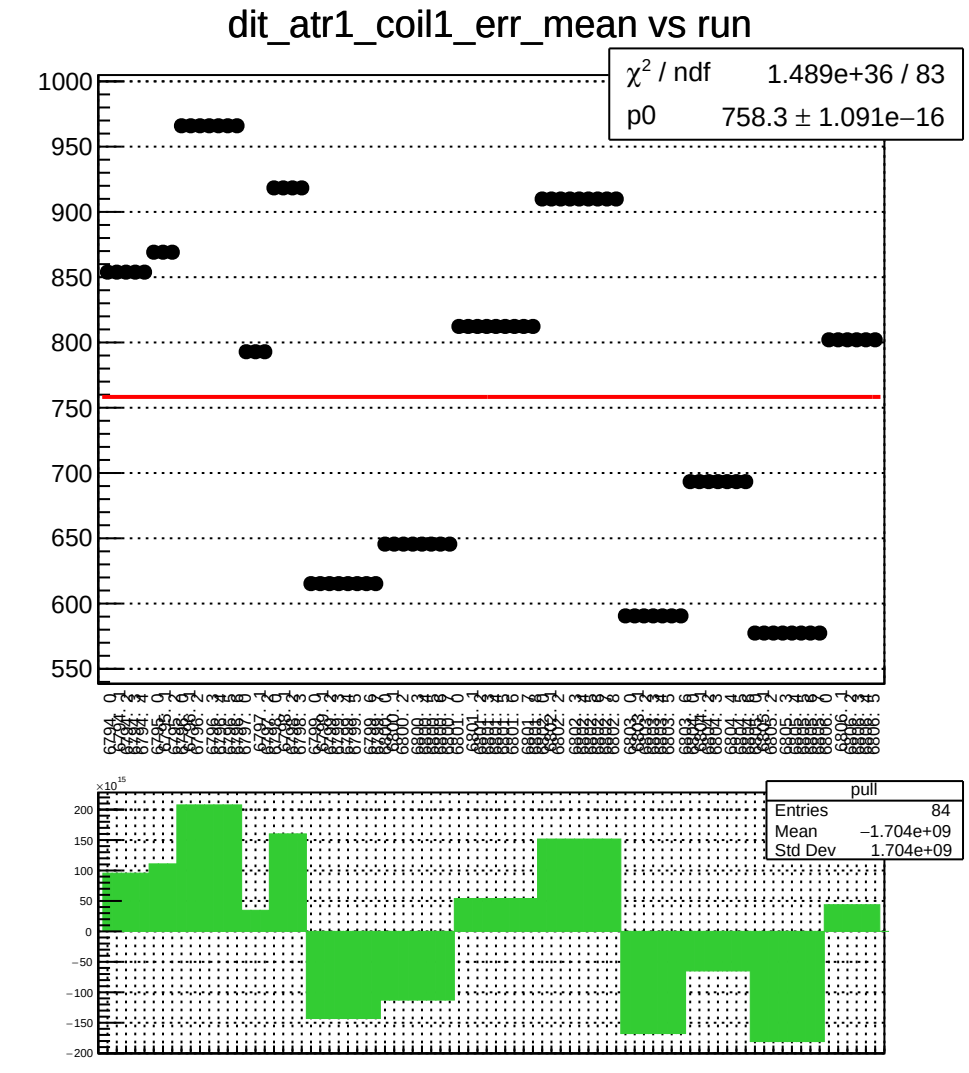

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

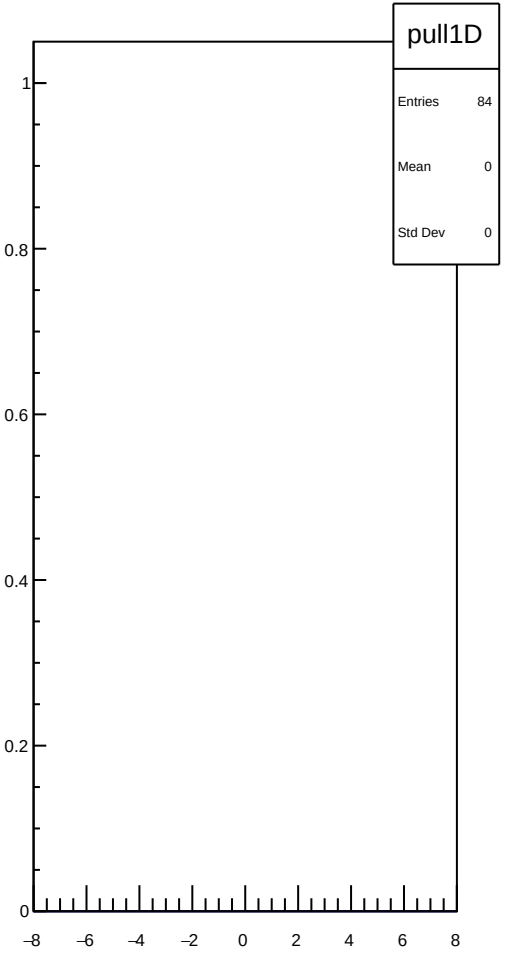

dit_atl2_coil1_Ndata_mean vs run
χ² / ndf 8.316e+36 / 83
p0 1239 ± 1.091e−16
1600
1500
1400
1300
1200
1100
1000
900
800
700
pull
Entries 84
Mean 8.373e+08
Std Dev 8.373e+08
×10¹⁵
400
300
200
100
0
−100
−200
−300
−400
−500

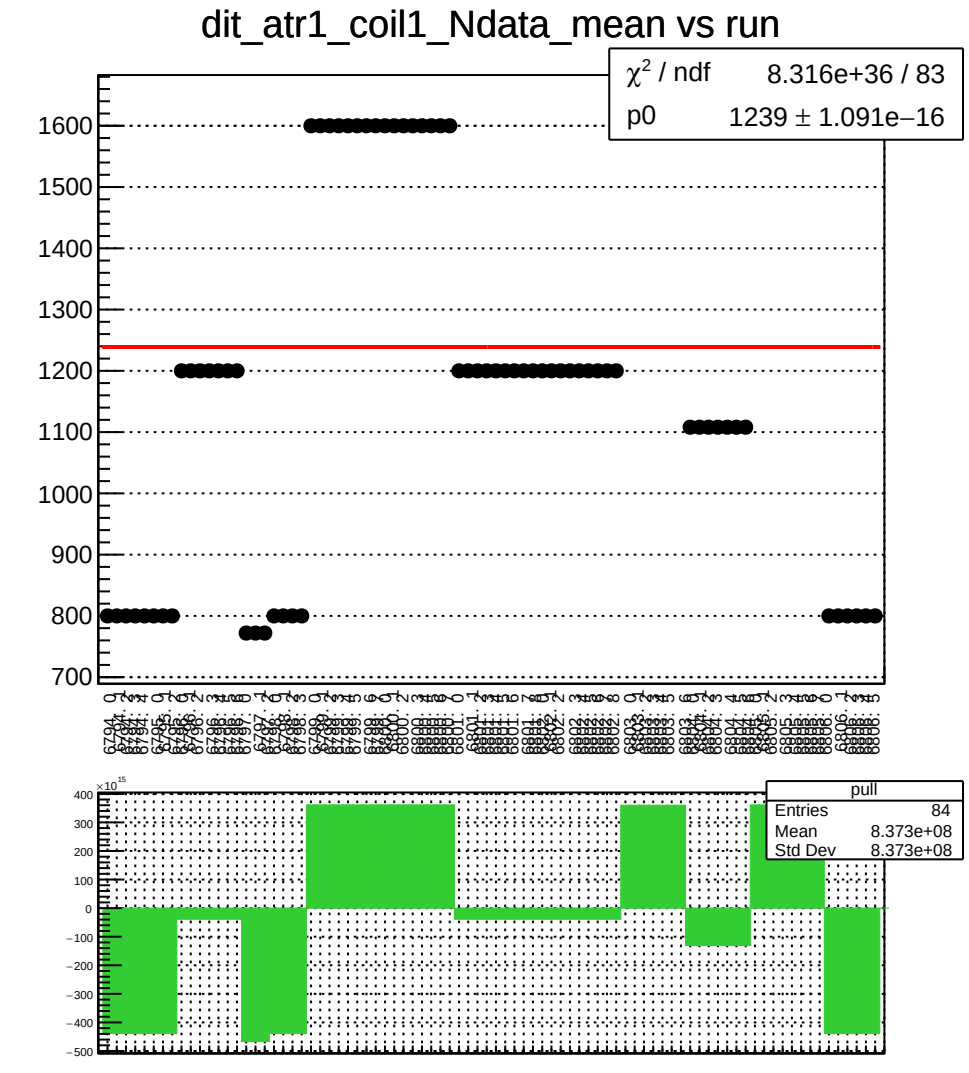

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

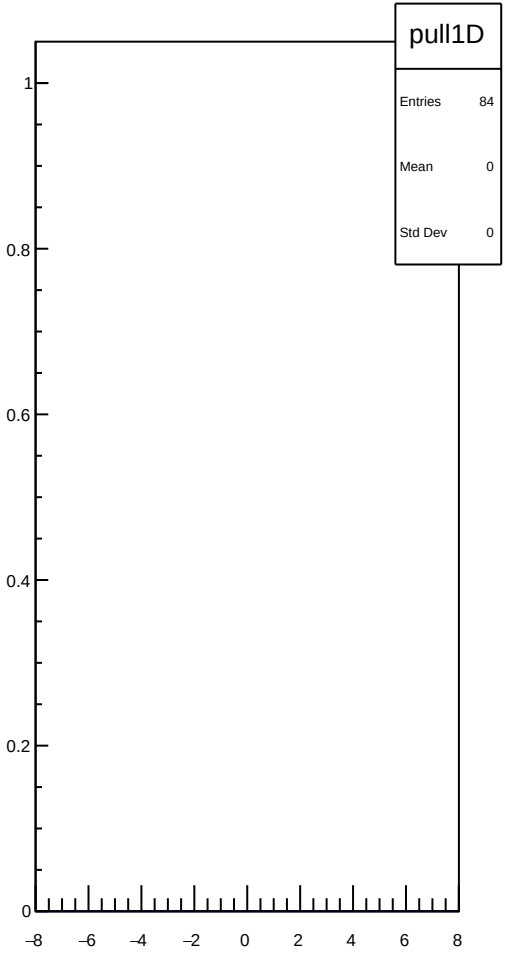

dit_atr1_coil1_mean vs run
χ² / ndf 2.992e+37 / 83
p0 3.093e+04 ± 1.091e−16
32000
31500
31000
30500
30000
29500
pull
Entries 84
Mean 1.398e+07
Std Dev 1.398e+07
×10¹⁵
1000
500
0
−500
−1000

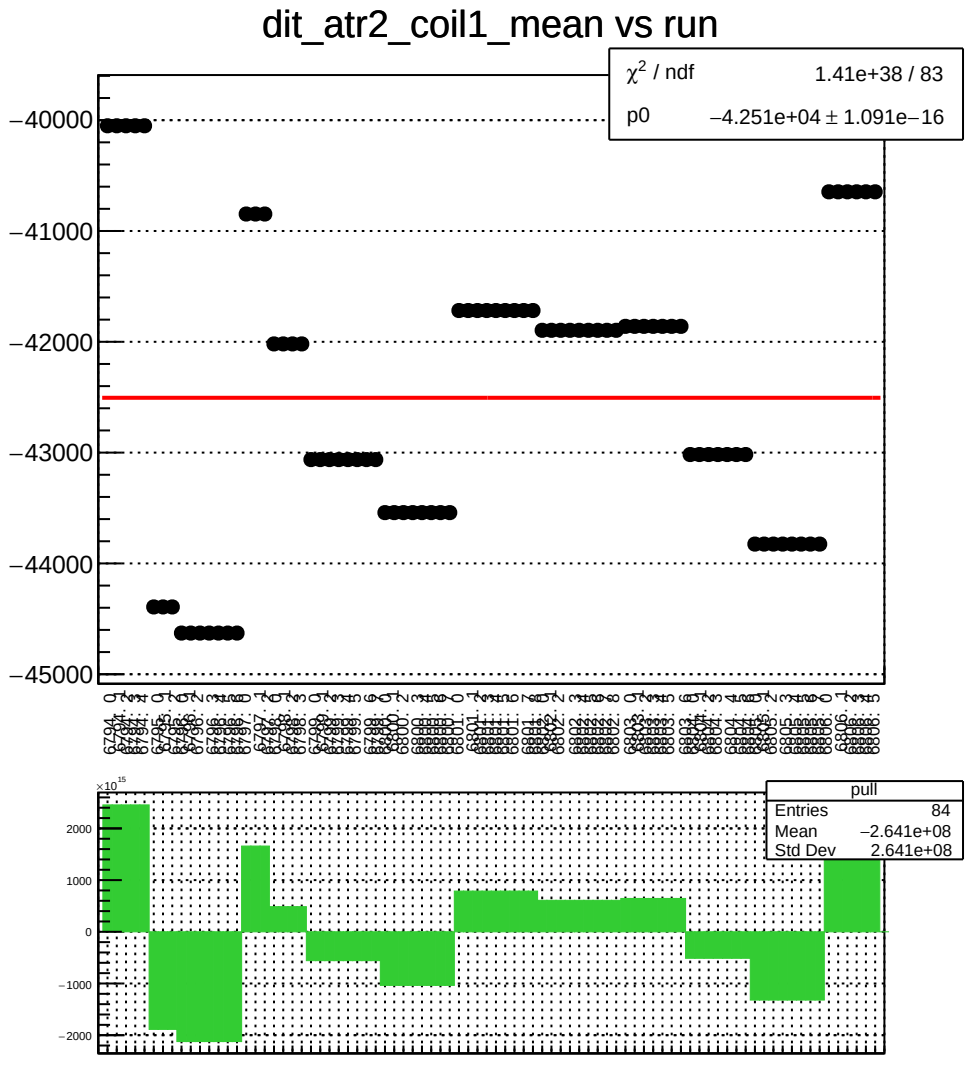

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

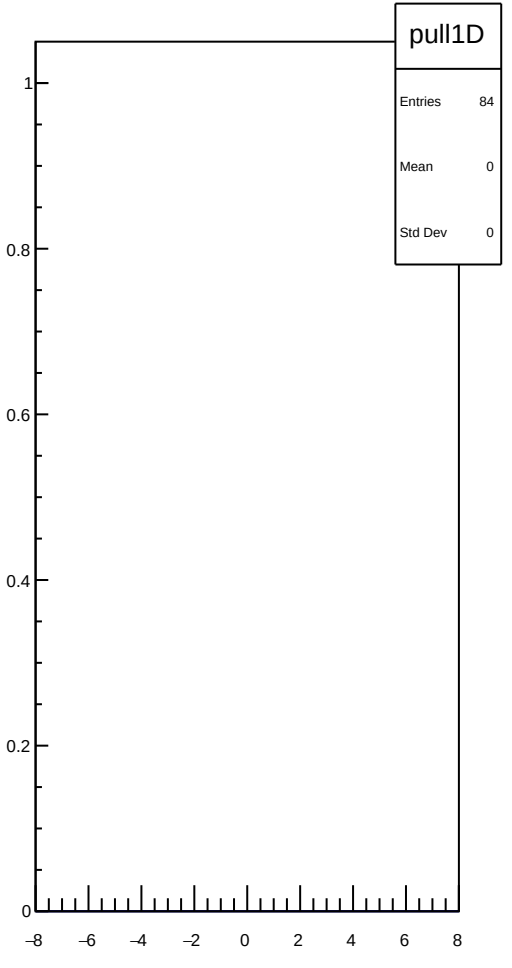

dit_atr1_coil1_err_mean vs run
χ² / ndf 1.489e+36 / 83
p0 758.3 ± 1.091e−16
pull
Entries 84
Mean −1.704e+09
Std Dev 1.704e+09

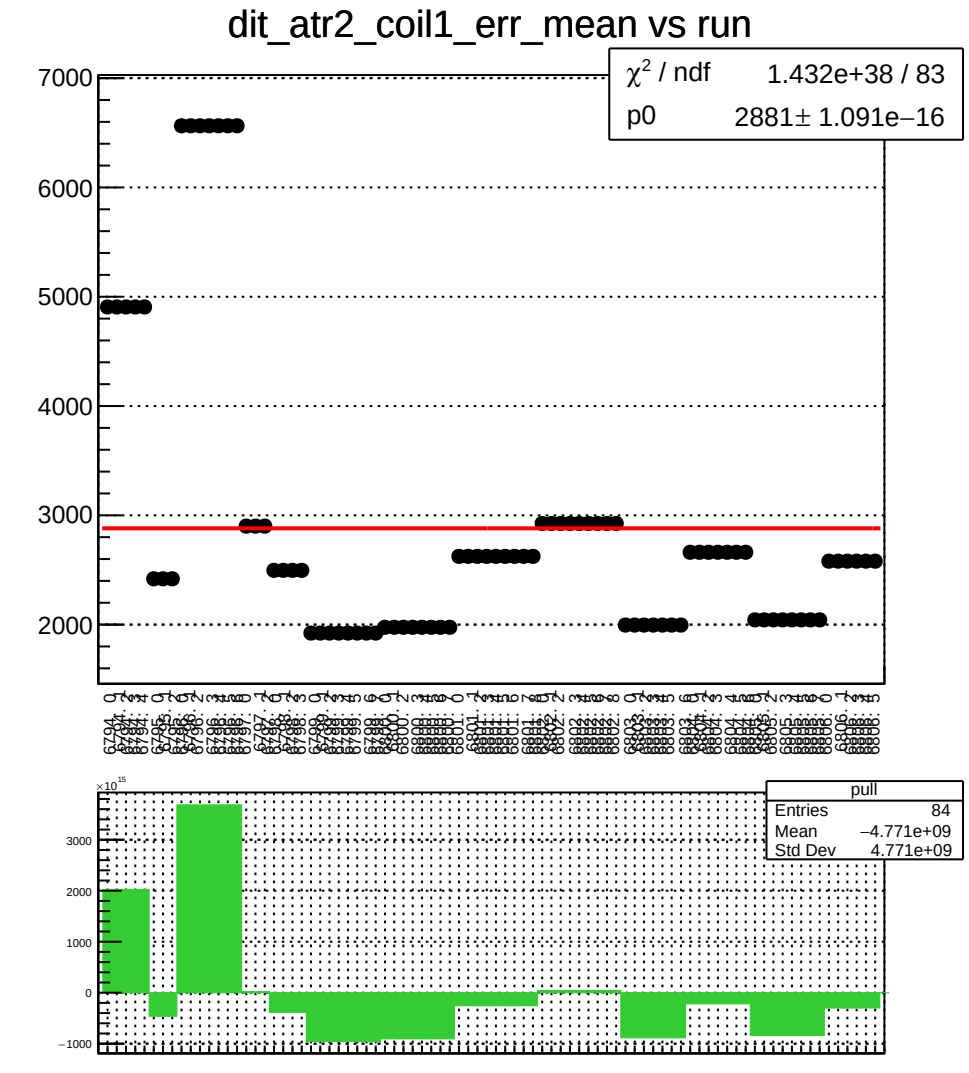

pull1D
Entries 84
Mean 0
Std Dev 0

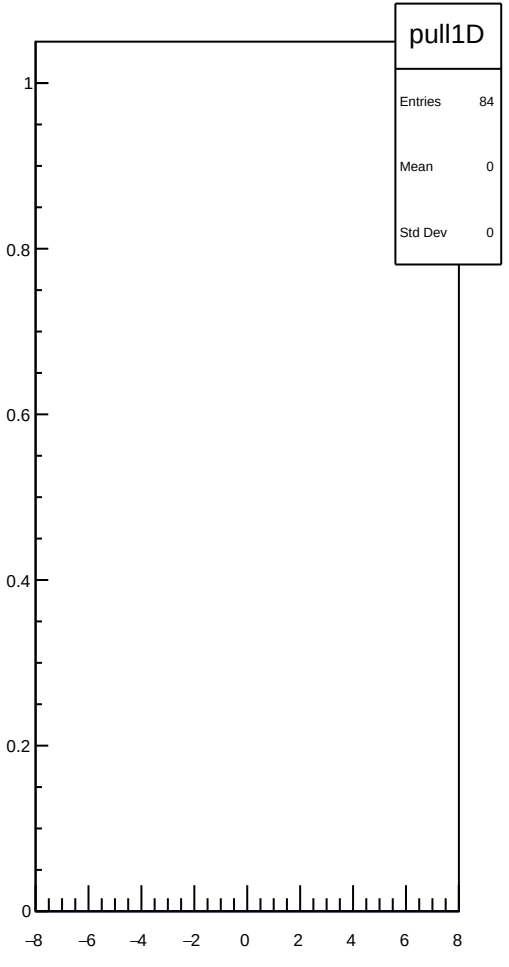

dit_atr1_coil1_Ndata_mean vs run
χ² / ndf 8.316e+36 / 83
p0 1239 ± 1.091e−16
1600
1500
1400
1300
1200
1100
1000
900
800
700
pull
Entries 84
Mean 8.373e+08
Std Dev 8.373e+08
×10¹⁵
400
300
200
100
0
−100
−200
−300
−400
−500

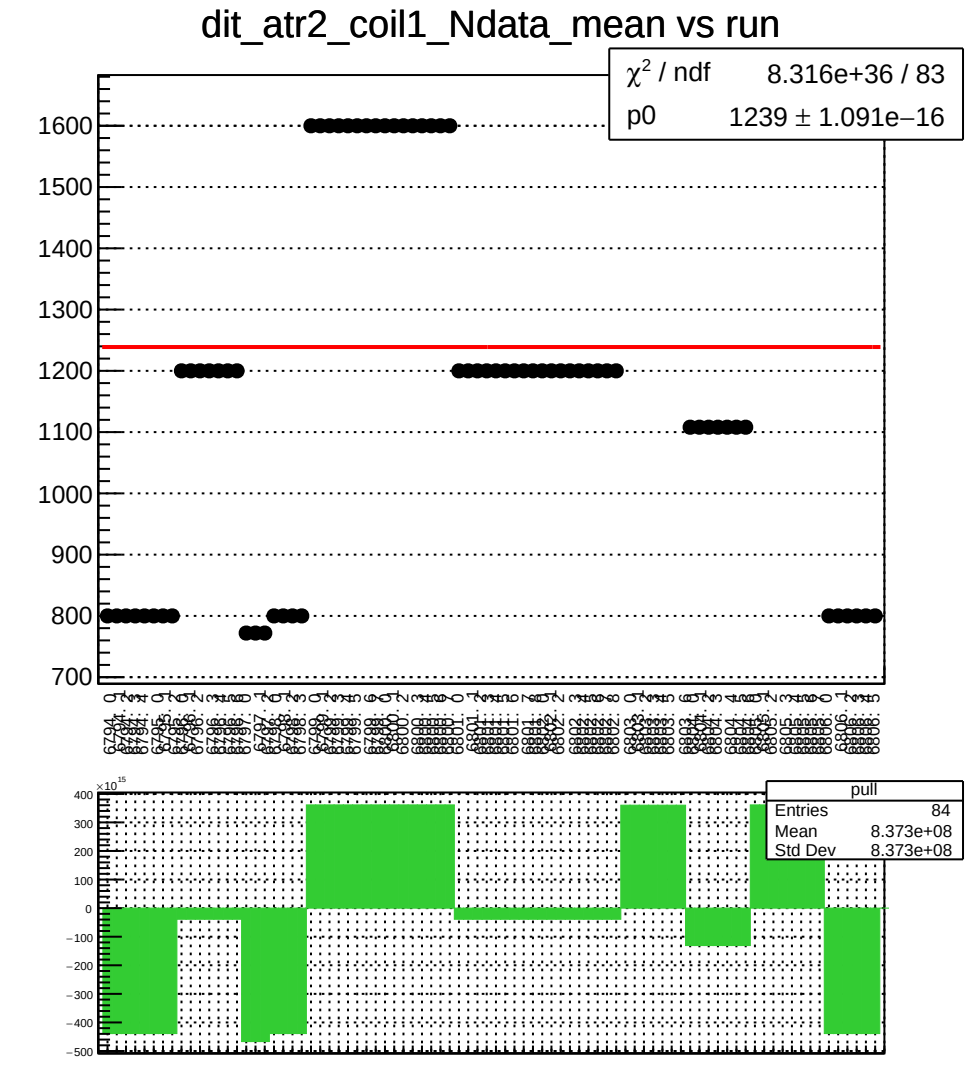

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

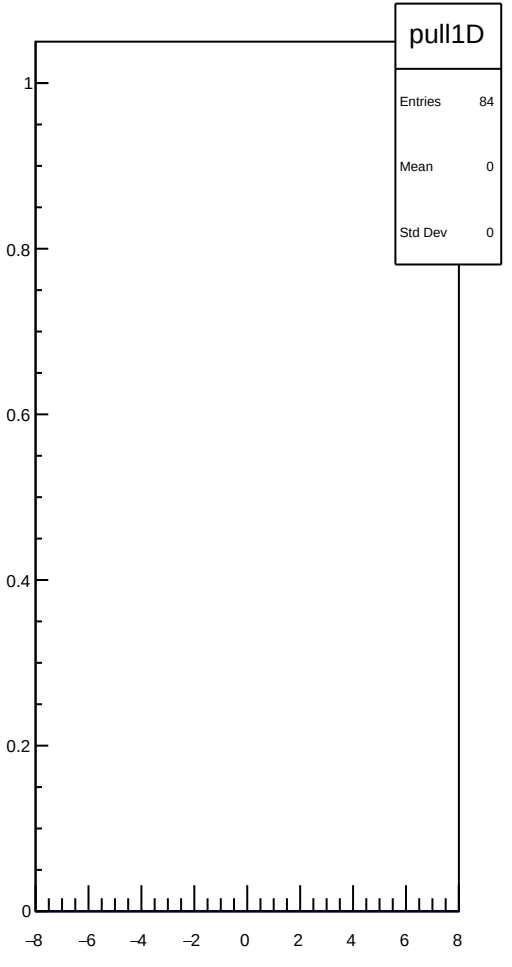

dit_atr2_coil1_mean vs run
χ² / ndf 1.41e+38 / 83
p0 −4.251e+04 ± 1.091e−16
−40000
−41000
−42000
−43000
−44000
−45000
pull
Entries 84
Mean −2.641e+08
Std Dev 2.641e+08
×10¹⁵
2000
1000
0
−1000
−2000

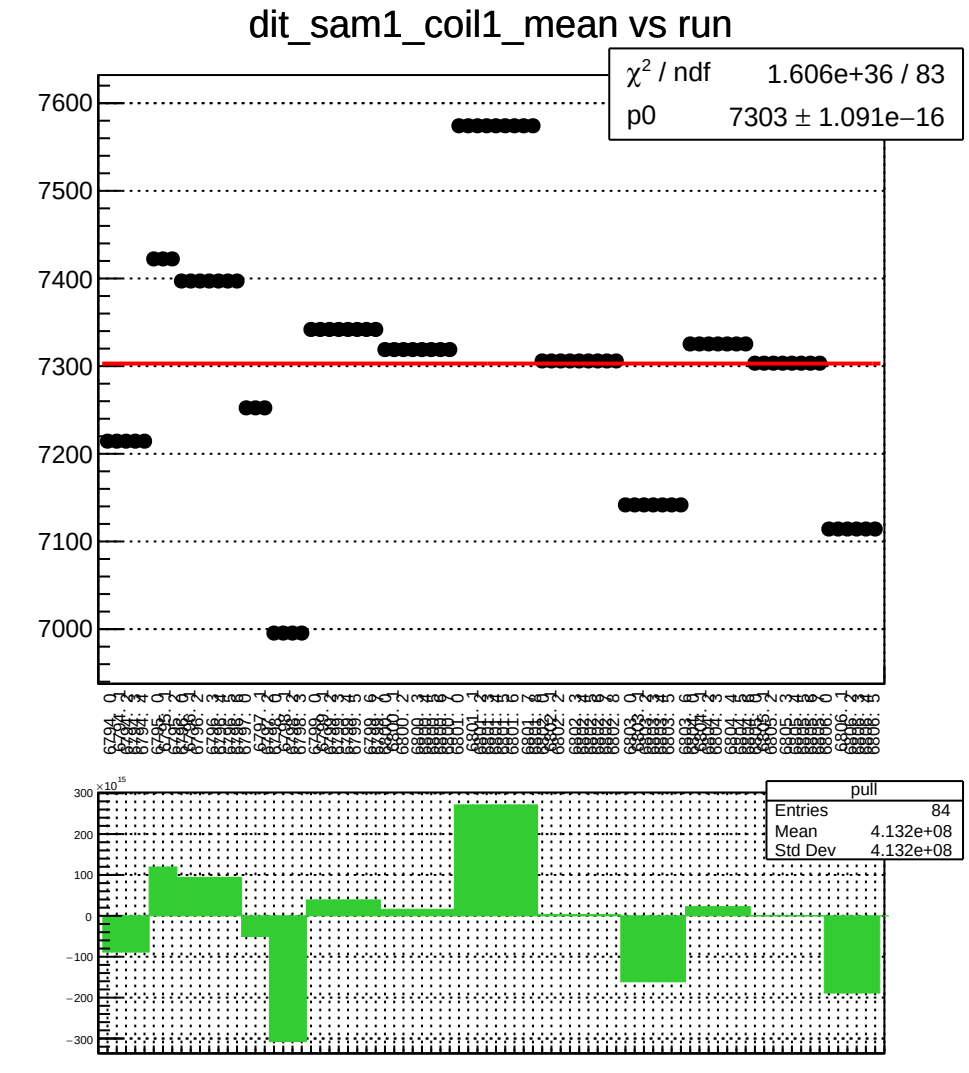

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

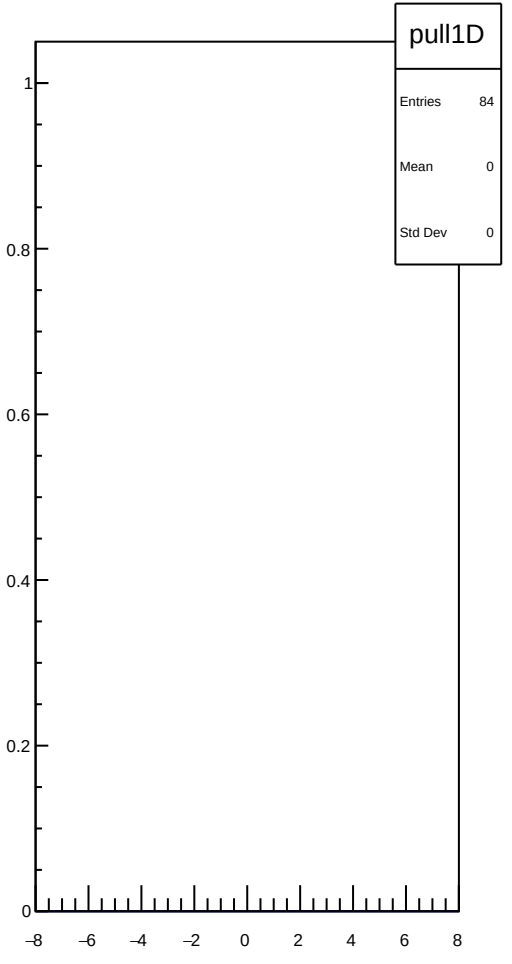

dit_atr2_coil1_err_mean vs run
χ² / ndf 1.432e+38 / 83
p0 2881± 1.091e−16
pull
Entries 84
Mean −4.771e+09
Std Dev 4.771e+09

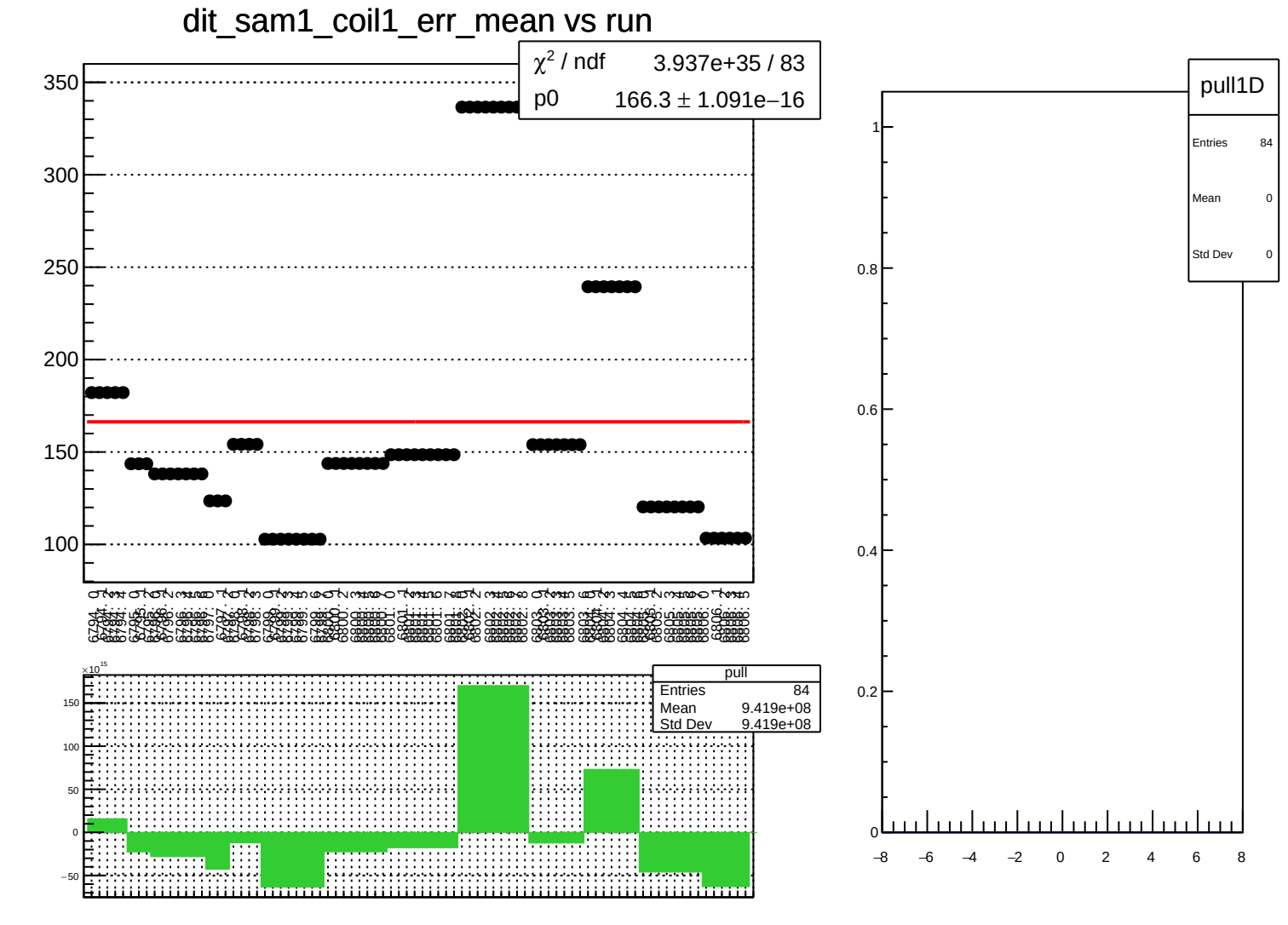

pull1D
Entries 84
Mean 0
Std Dev 0

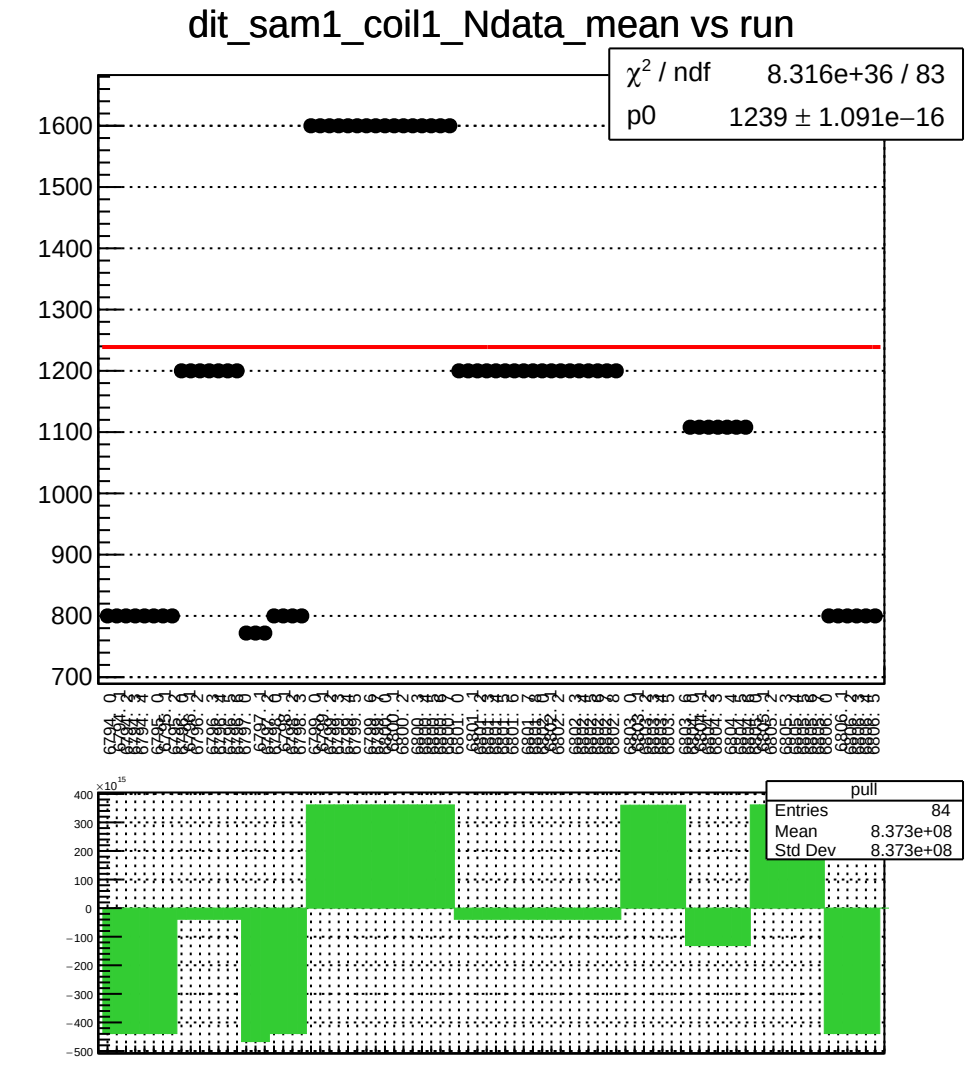

dit_atr2_coil1_Ndata_mean vs run
χ² / ndf 8.316e+36 / 83
p0 1239 ± 1.091e−16
1600
1500
1400
1300
1200
1100
1000
900
800
700
pull
Entries 84
Mean 8.373e+08
Std Dev 8.373e+08
×10¹⁵
400
300
200
100
0
−100
−200
−300
−400
−500

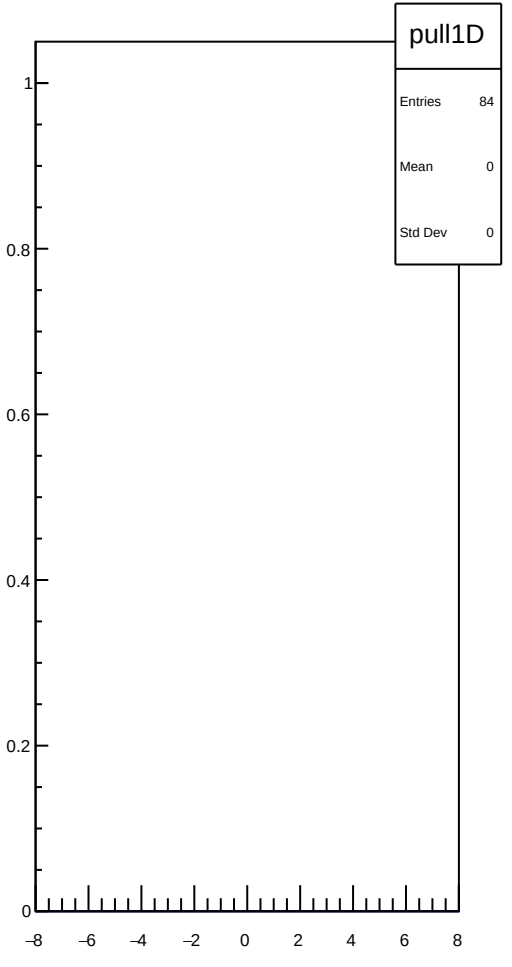

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

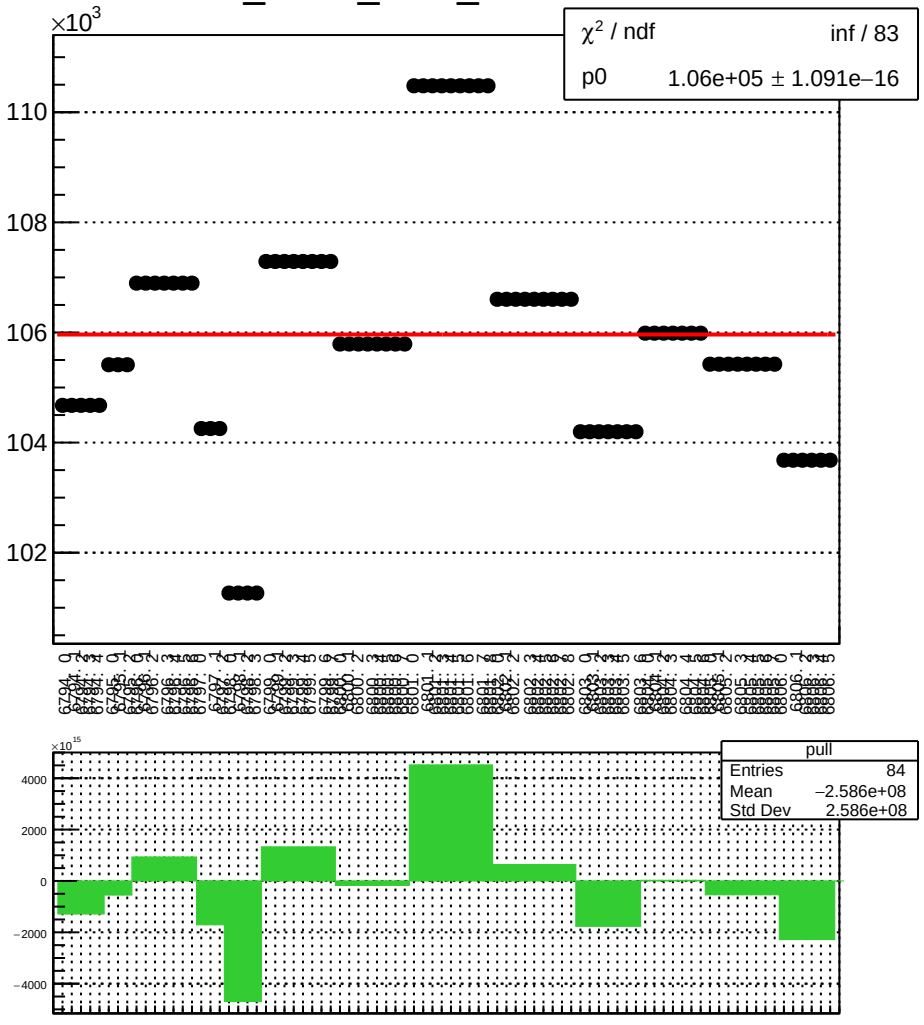

dit_sam1_coil1_mean vs run
χ² / ndf 1.606e+36 / 83
p0 7303 ± 1.091e−16
7600
7500
7400
7300
7200
7100
7000
pull
Entries 84
Mean 4.132e+08
Std Dev 4.132e+08
×10¹⁵
300
200
100
0
−100
−200
−300

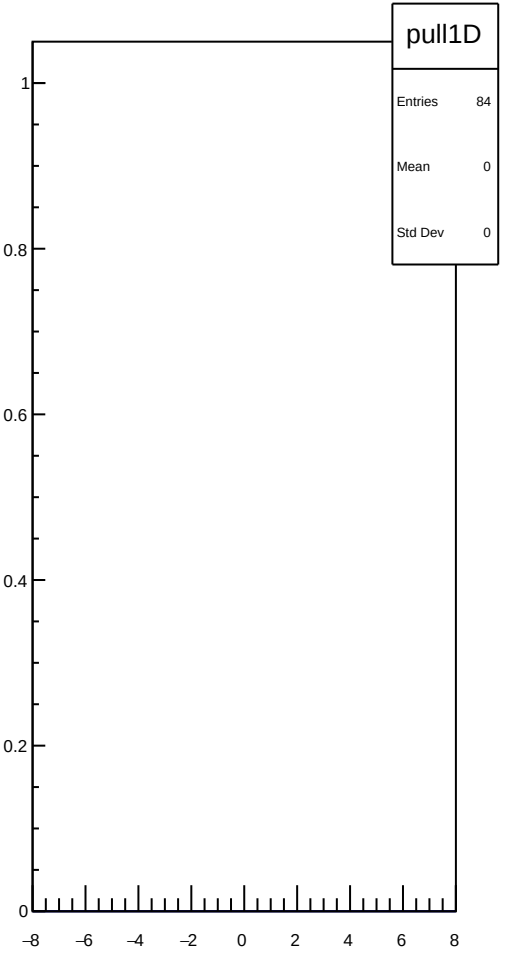

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

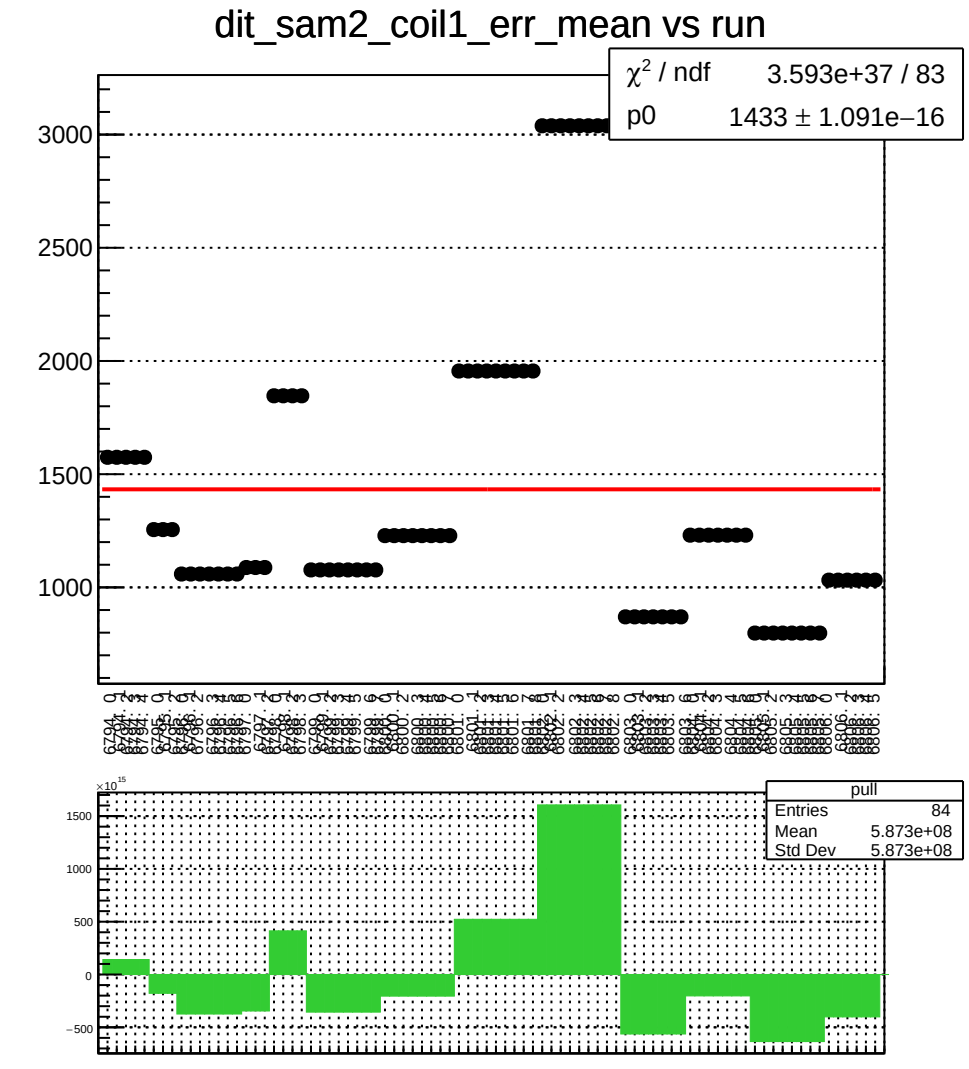

dit_sam1_coil1_err_mean vs run
χ² / ndf 3.937e+35 / 83
p0 166.3 ± 1.091e−16
350
300
250
200
150
100
pull
Entries 84
Mean 9.419e+08
Std Dev 9.419e+08
×10¹⁵
150
100
50
0
−50
pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

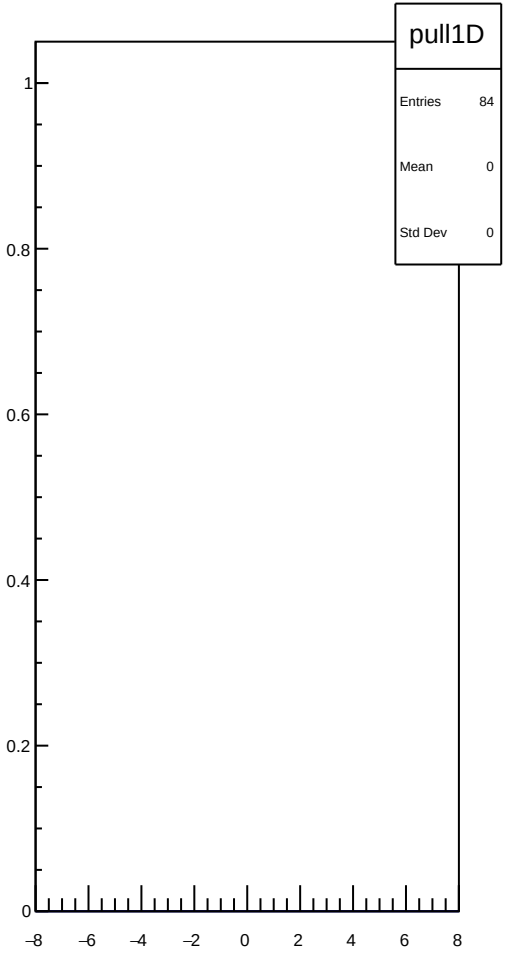

dit_sam1_coil1_Ndata_mean vs run
χ² / ndf 8.316e+36 / 83
p0 1239 ± 1.091e−16
1600
1500
1400
1300
1200
1100
1000
900
800
700
pull
Entries 84
Mean 8.373e+08
Std Dev 8.373e+08
×10¹⁵
400
300
200
100
0
−100
−200
−300
−400
−500

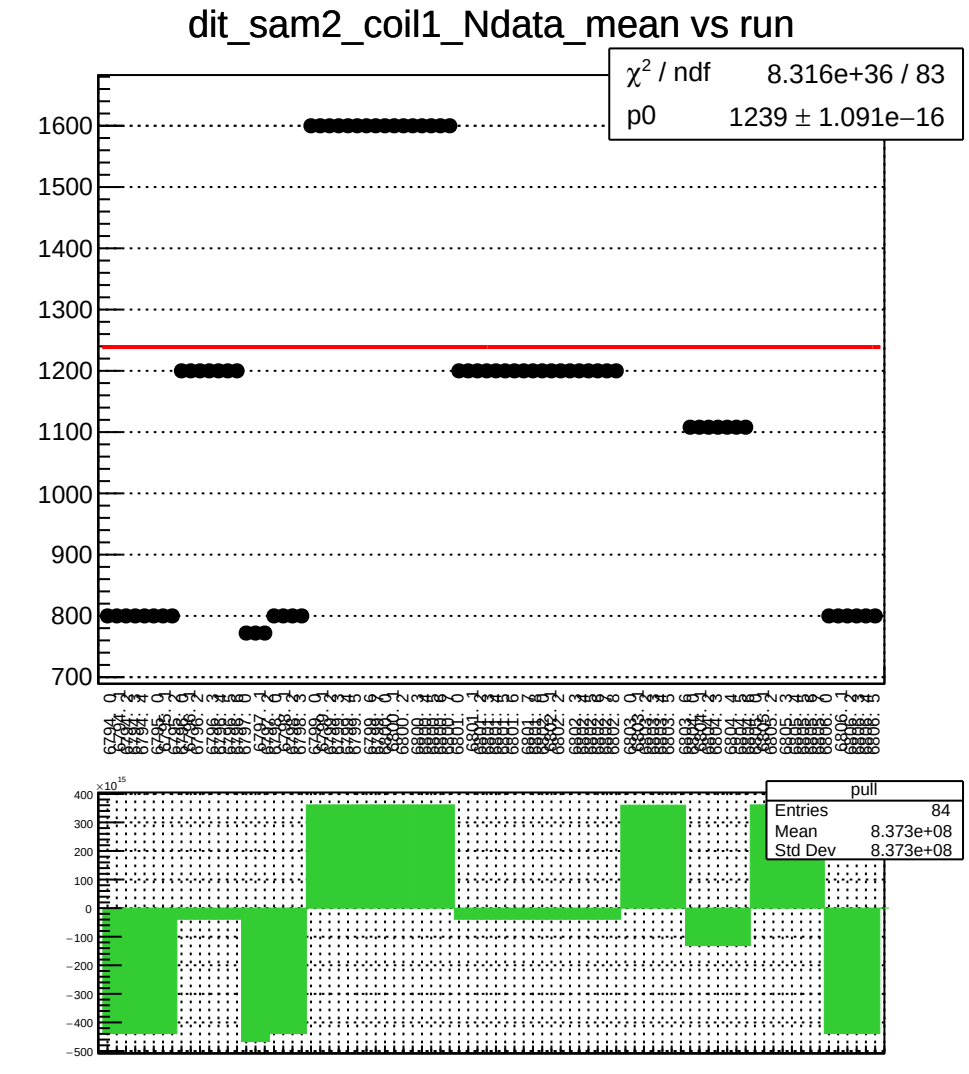

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

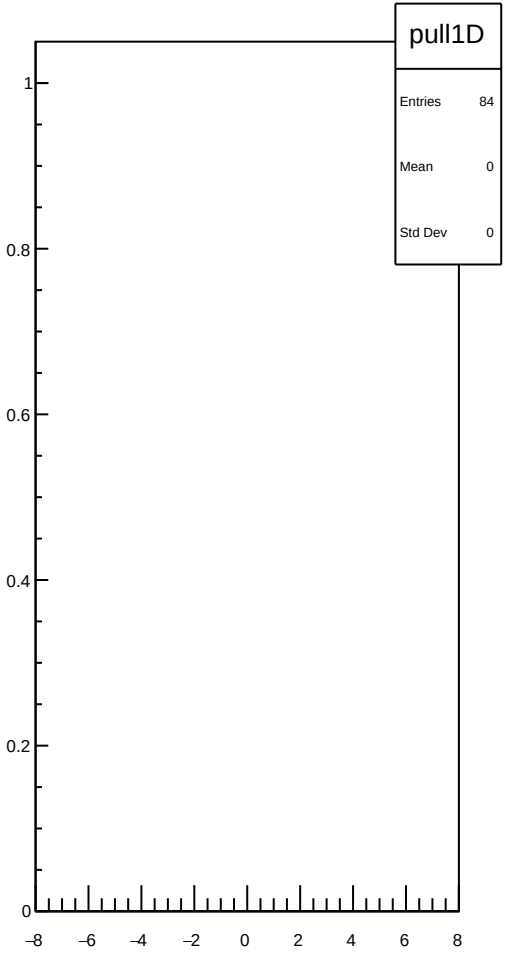

dit_sam2_coil1_mean vs run
χ² / ndf inf / 83
p0 1.06e+05 ± 1.091e−16
×10³
110
108
106
104
102
pull
Entries 84
Mean −2.586e+08
Std Dev 2.586e+08
×10¹⁵
4000
2000
0
−2000
−4000

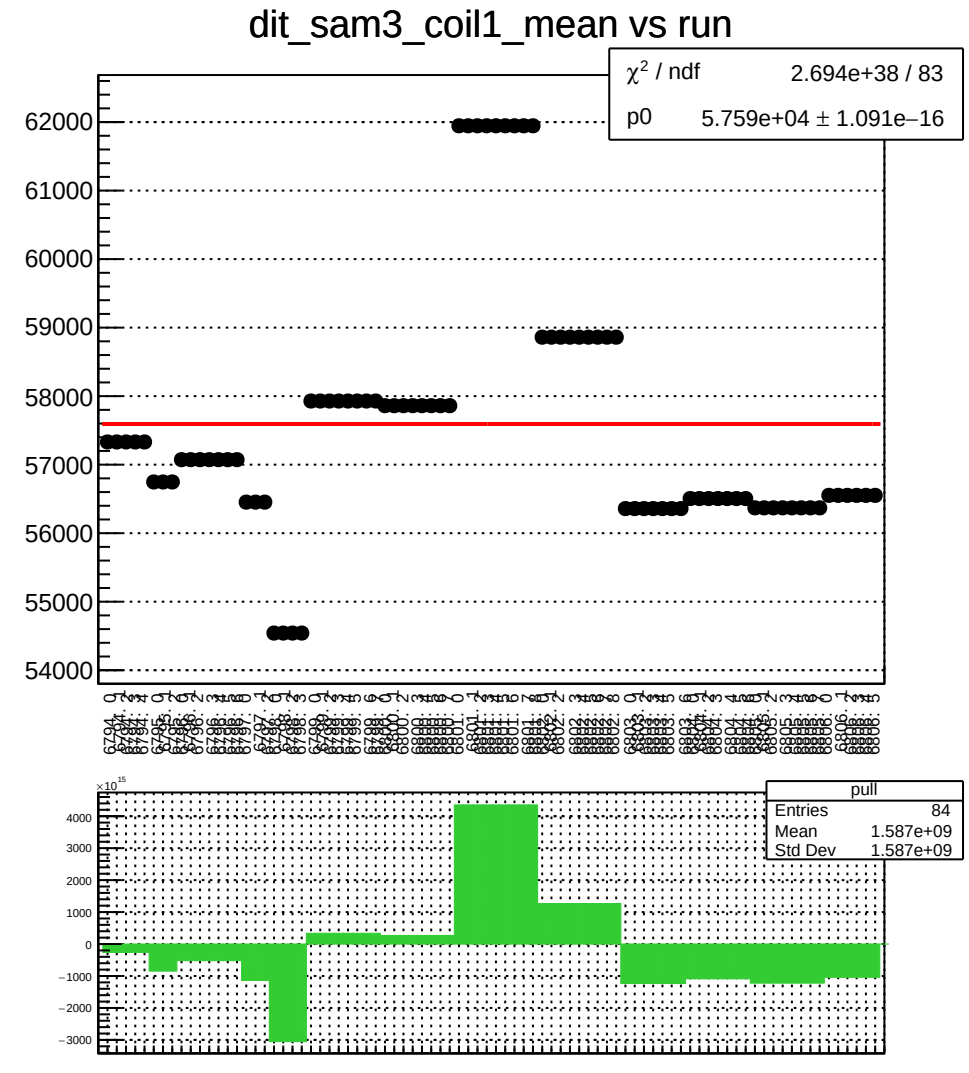

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

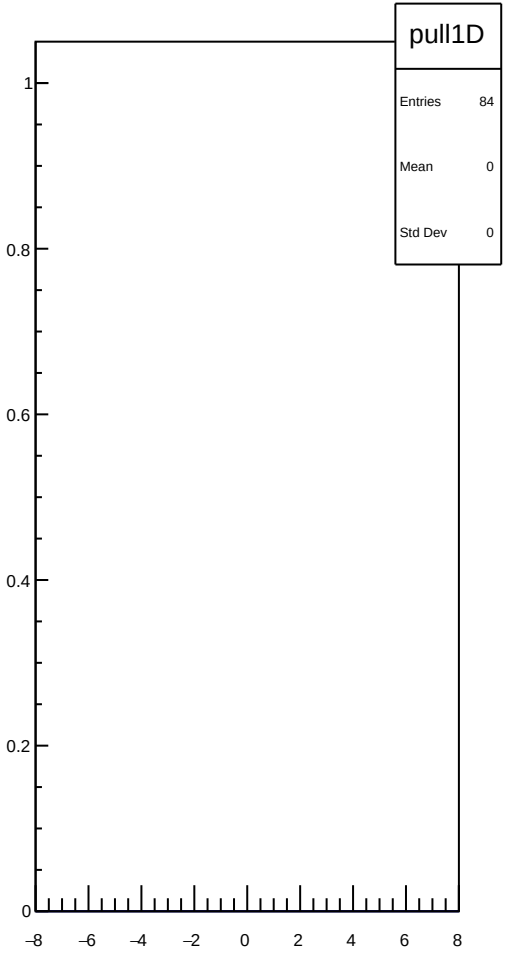

dit_sam2_coil1_err_mean vs run
χ² / ndf 3.593e+37 / 83
p0 1433 ± 1.091e−16
3000
2500
2000
1500
1000
pull
Entries 84
Mean 5.873e+08
Std Dev 5.873e+08
×10¹⁵
1500
1000
500
0
−500

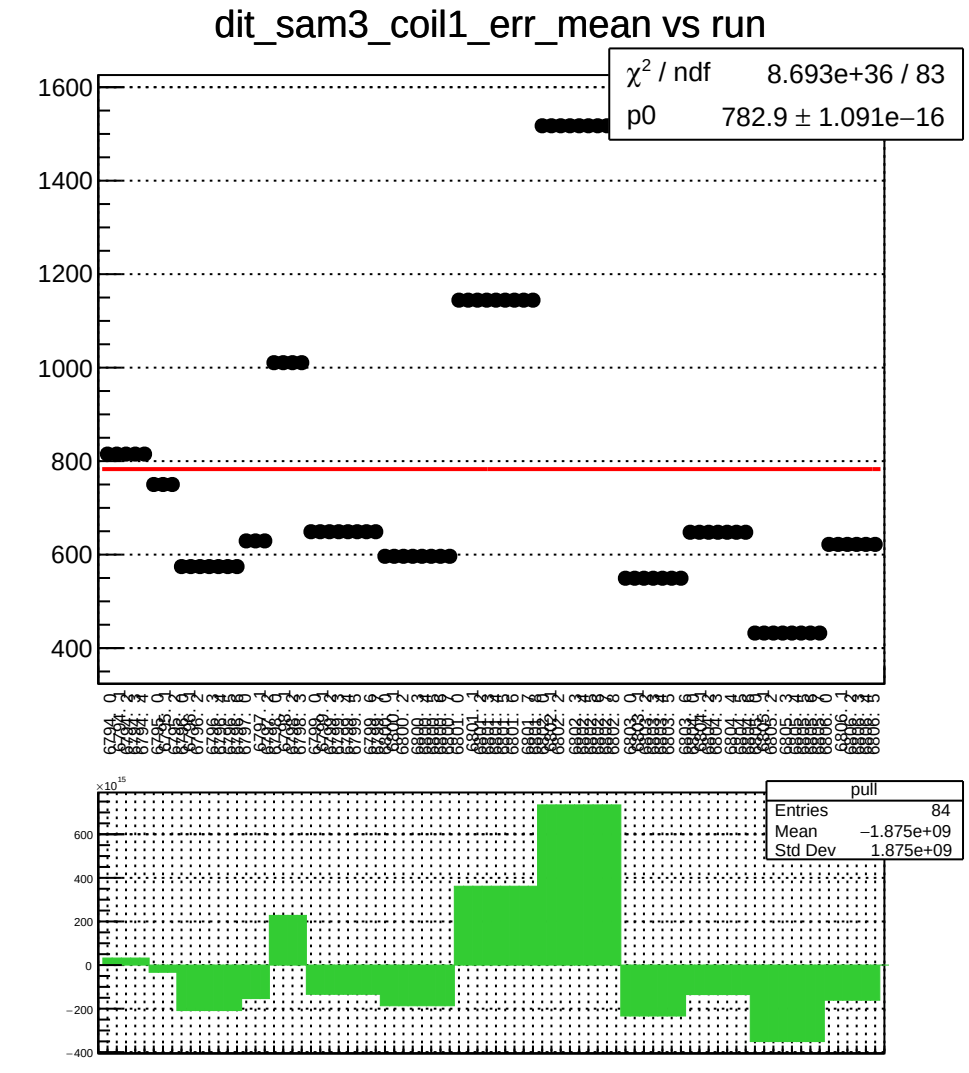

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

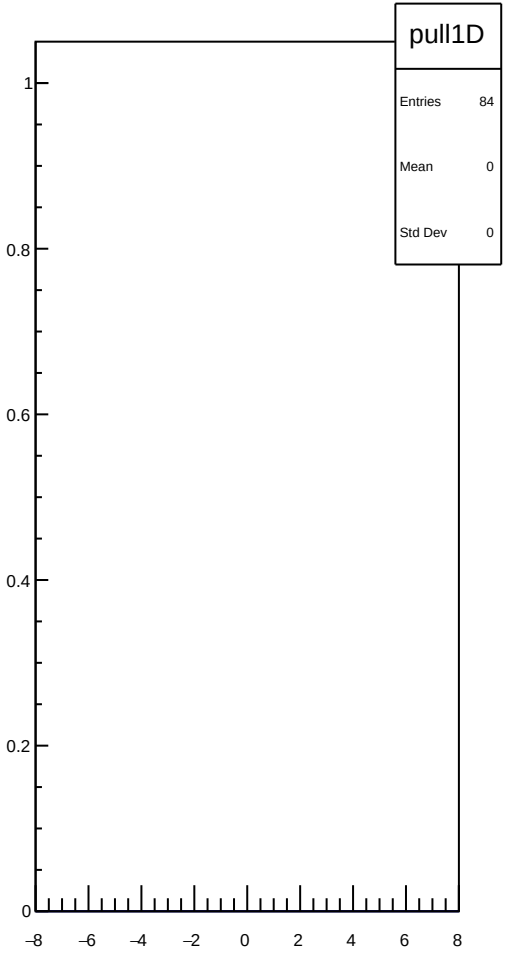

dit_sam2_coil1_Ndata_mean vs run
χ² / ndf 8.316e+36 / 83
p0 1239 ± 1.091e−16
1600
1500
1400
1300
1200
1100
1000
900
800
700
pull
Entries 84
Mean 8.373e+08
Std Dev 8.373e+08
×10¹⁵
400
300
200
100
0
−100
−200
−300
−400
−500

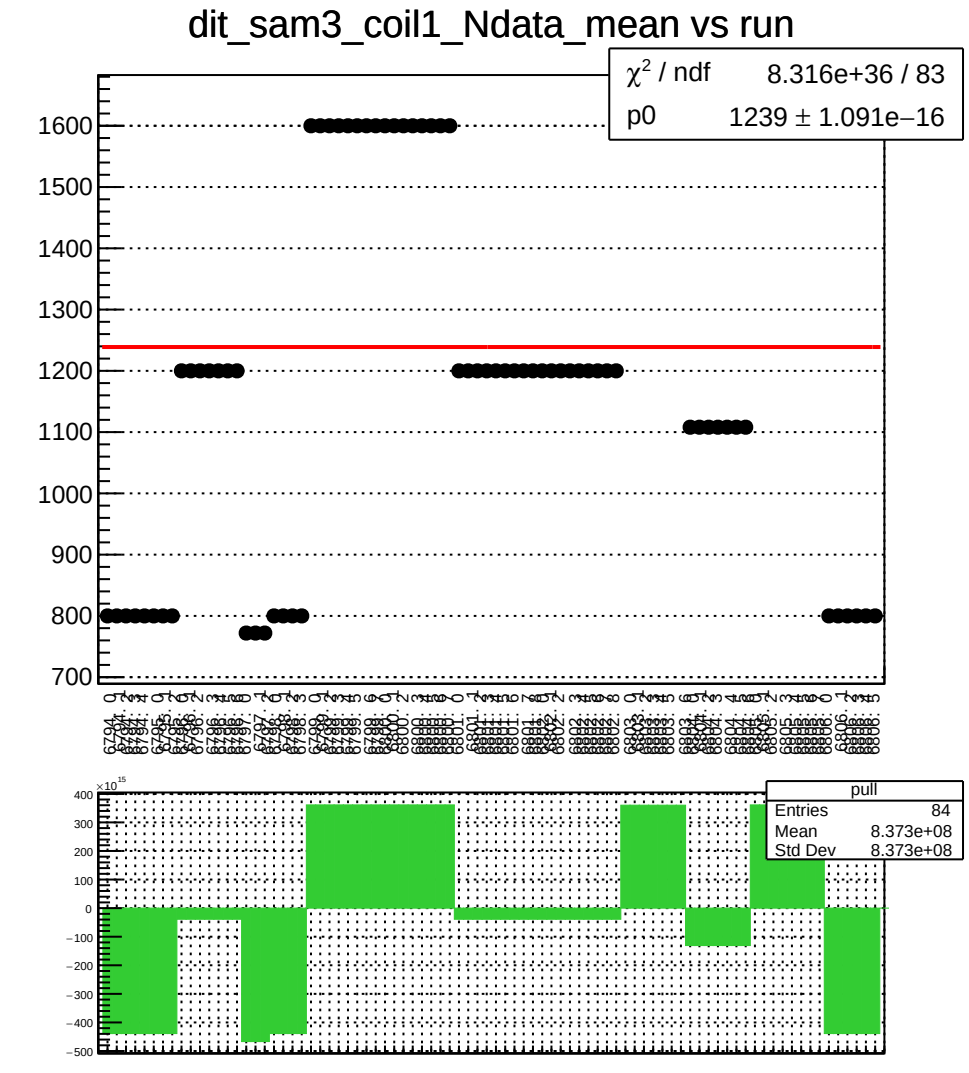

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

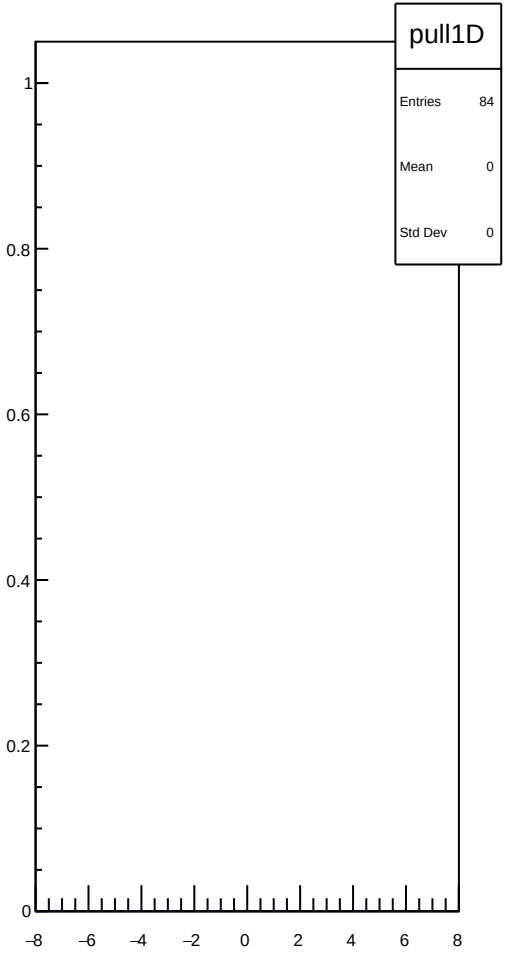

dit_sam3_coil1_mean vs run
χ² / ndf 2.694e+38 / 83
p0 5.759e+04 ± 1.091e−16
62000
61000
60000
59000
58000
57000
56000
55000
54000
×10¹⁵
4000
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 84
Mean 1.587e+09
Std Dev 1.587e+09

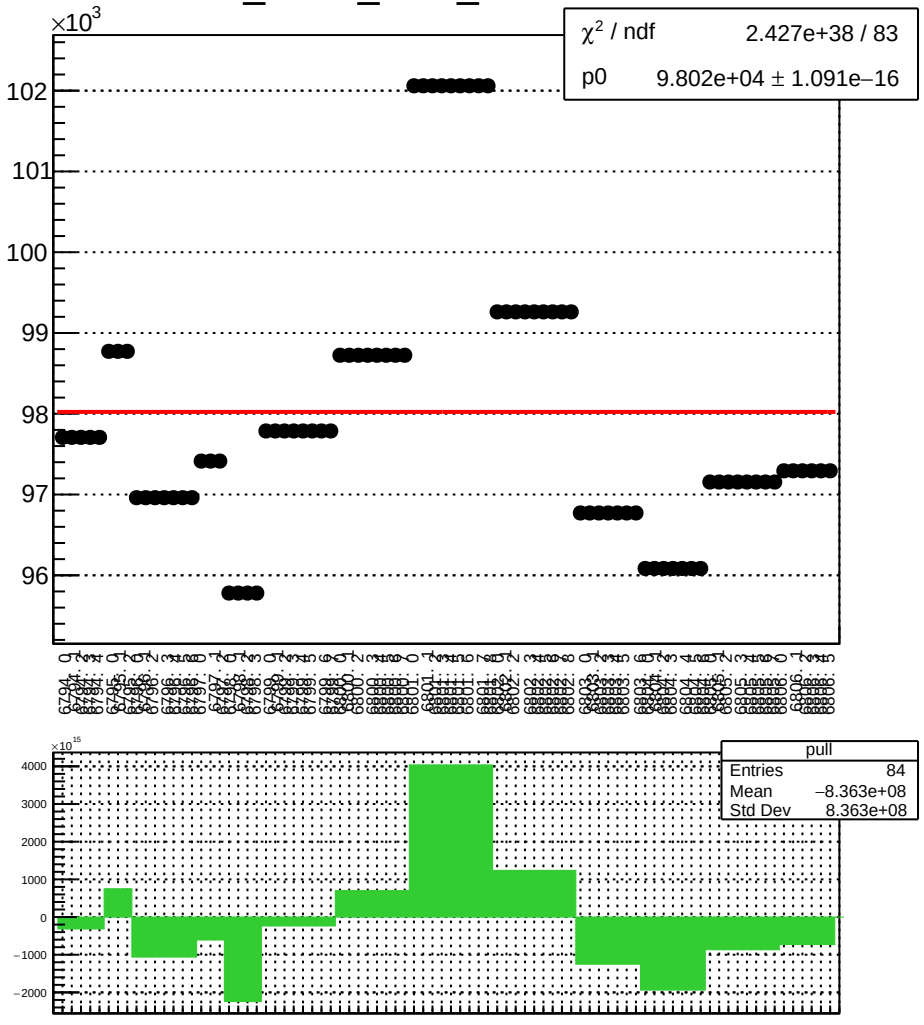

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

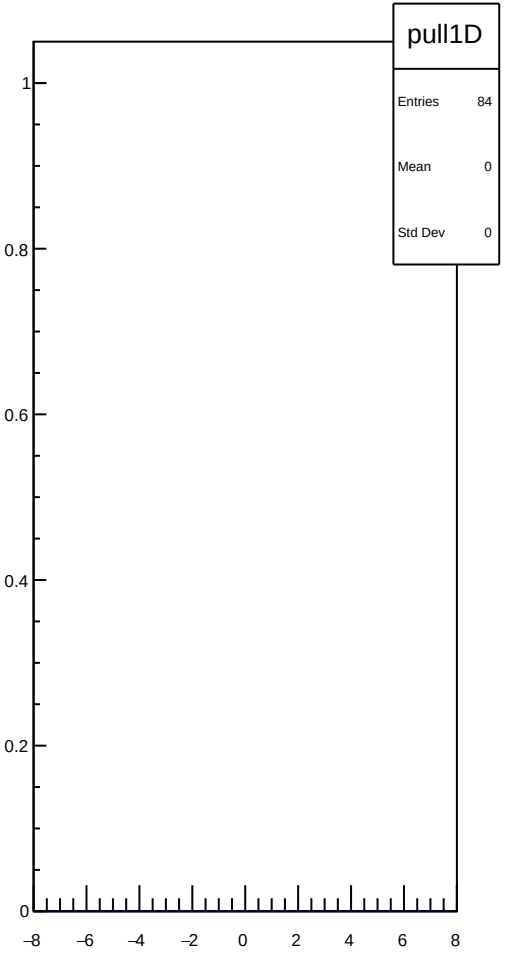

dit_sam3_coil1_err_mean vs run
χ² / ndf 8.693e+36 / 83
p0 782.9 ± 1.091e−16
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean −1.875e+09
Std Dev 1.875e+09
×10¹⁵
600
400
200
0
−200
−400

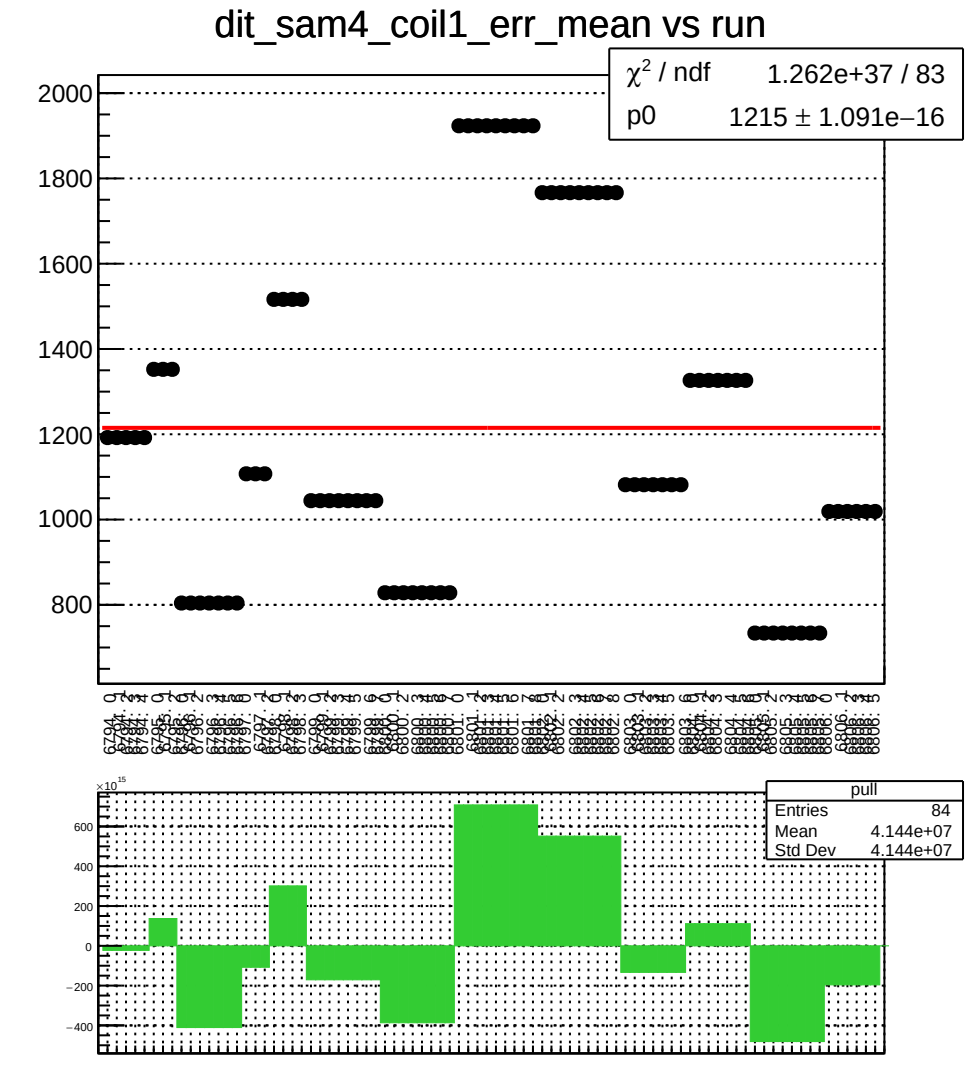

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

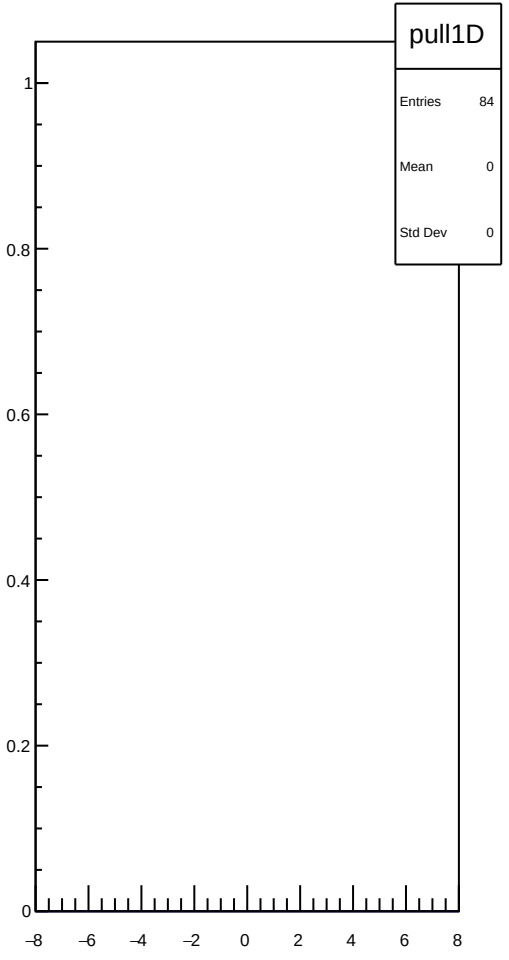

dit_sam3_coil1_Ndata_mean vs run
χ² / ndf 8.316e+36 / 83
p0 1239 ± 1.091e−16
1600
1500
1400
1300
1200
1100
1000
900
800
700
pull
Entries 84
Mean 8.373e+08
Std Dev 8.373e+08
×10¹⁵
400
300
200
100
0
−100
−200
−300
−400
−500

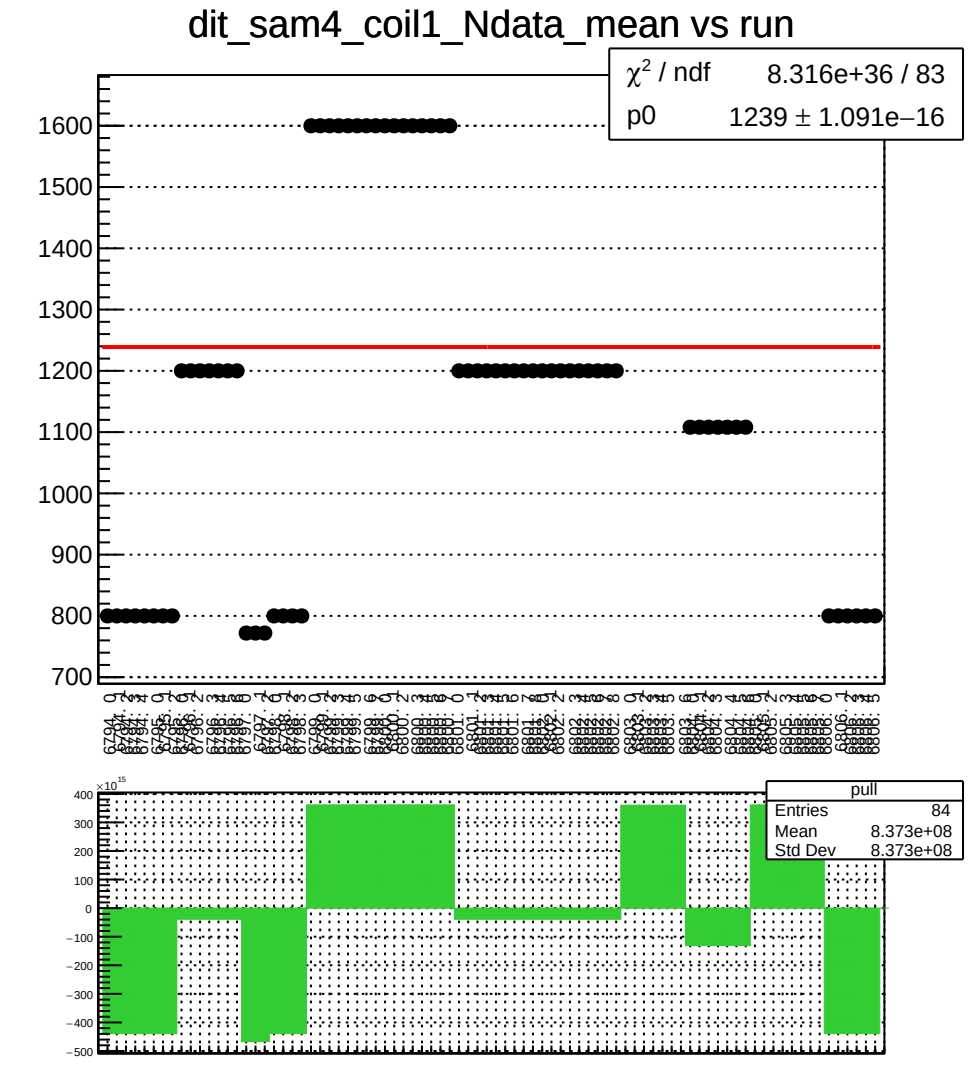

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

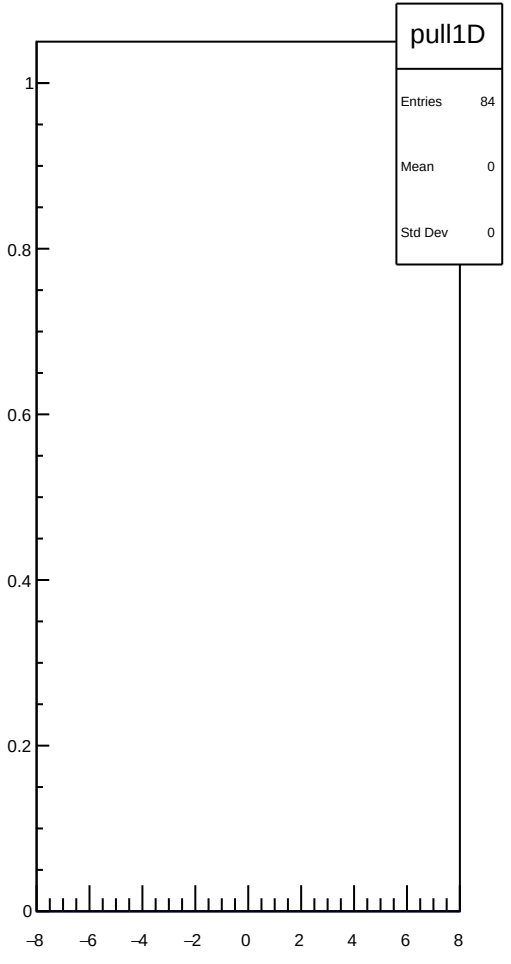

dit_sam4_coil1_mean vs run
χ² / ndf 2.427e+38 / 83
p0 9.802e+04 ± 1.091e−16
pull
Entries 84
Mean −8.363e+08
Std Dev 8.363e+08

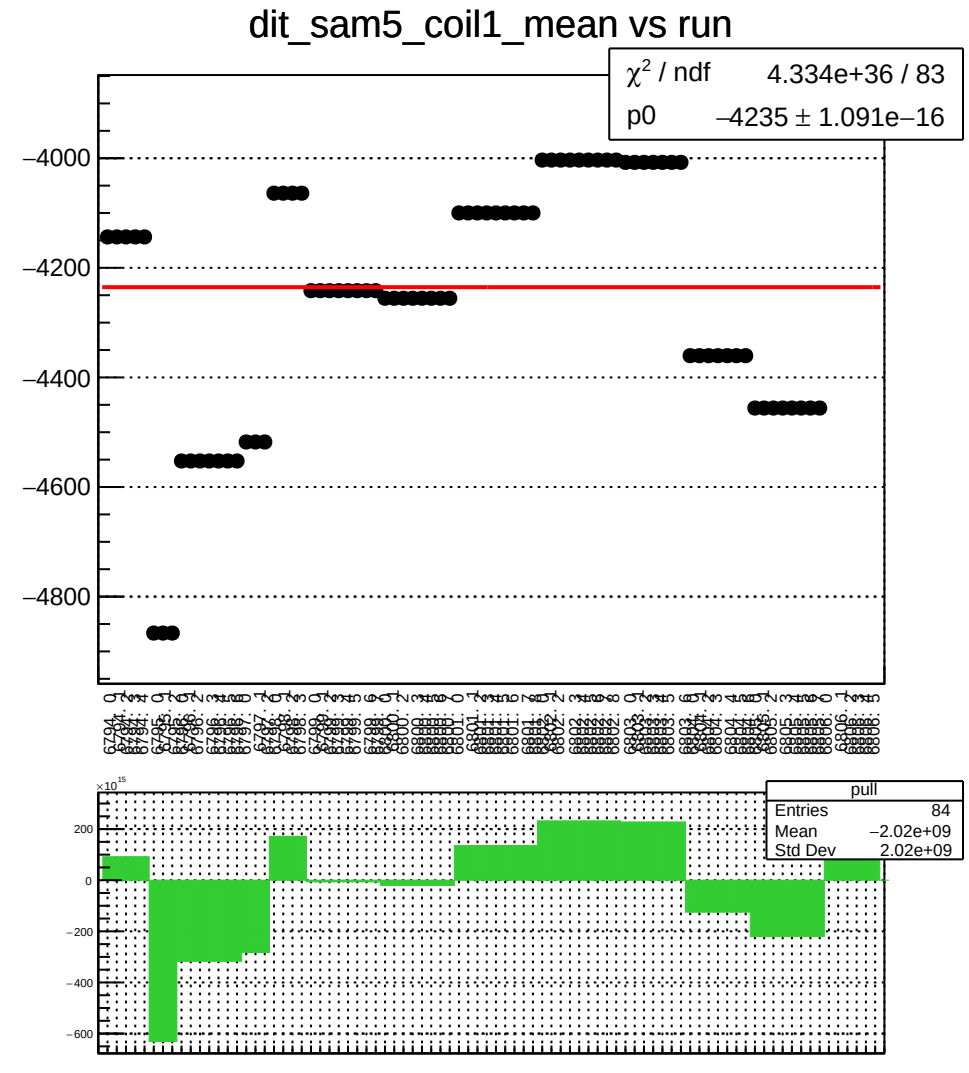

pull1D
Entries 84
Mean 0
Std Dev 0

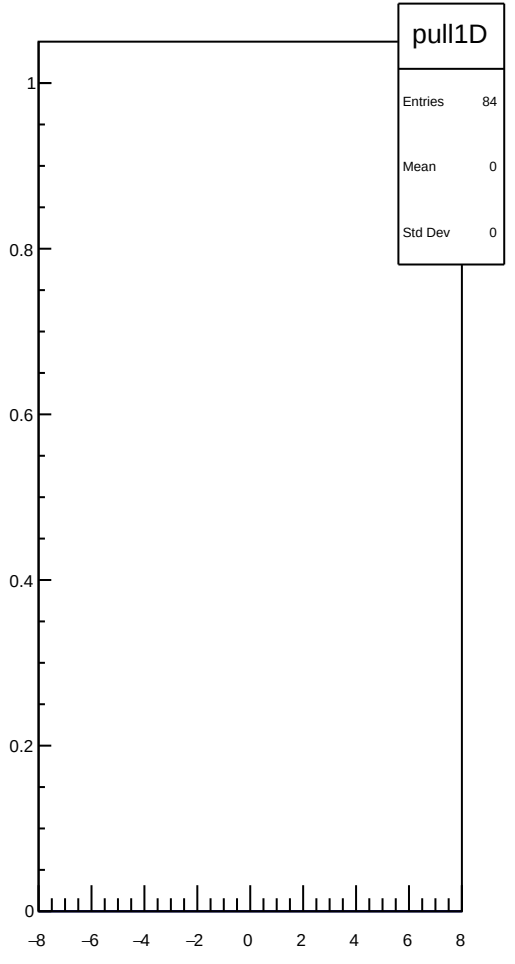

dit_sam4_coil1_err_mean vs run
χ² / ndf 1.262e+37 / 83
p0 1215 ± 1.091e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 84
Mean 4.144e+07
Std Dev 4.144e+07
600
400
200
0
−200
−400

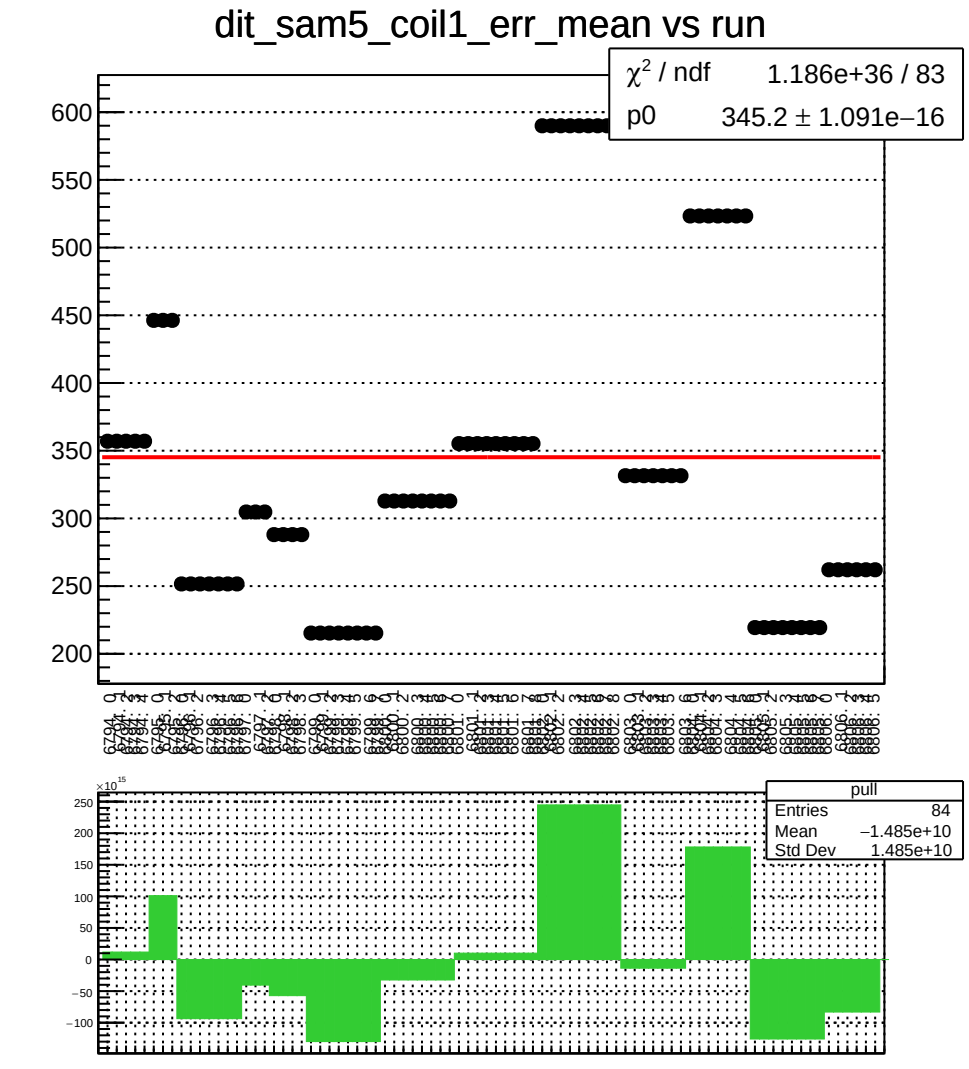

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

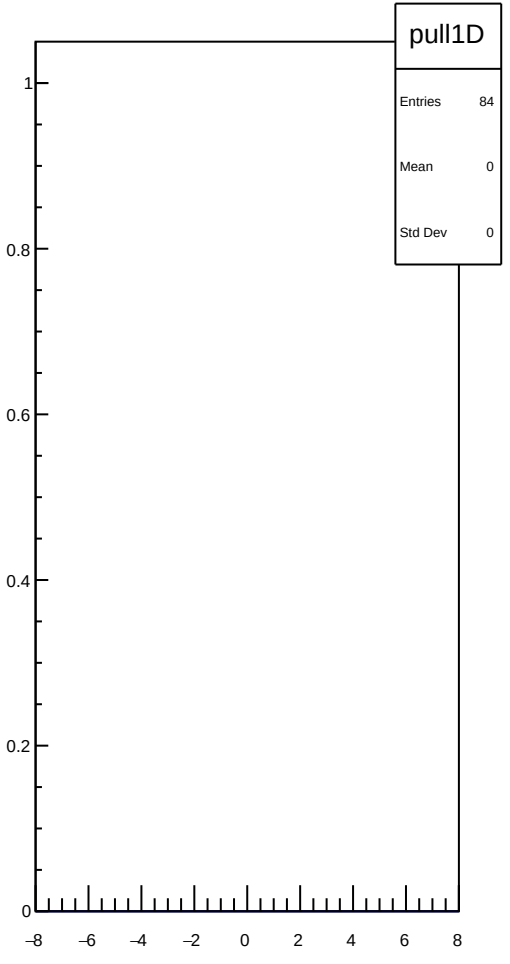

dit_sam4_coil1_Ndata_mean vs run
χ² / ndf 8.316e+36 / 83
p0 1239 ± 1.091e−16
pull
Entries 84
Mean 8.373e+08
Std Dev 8.373e+08

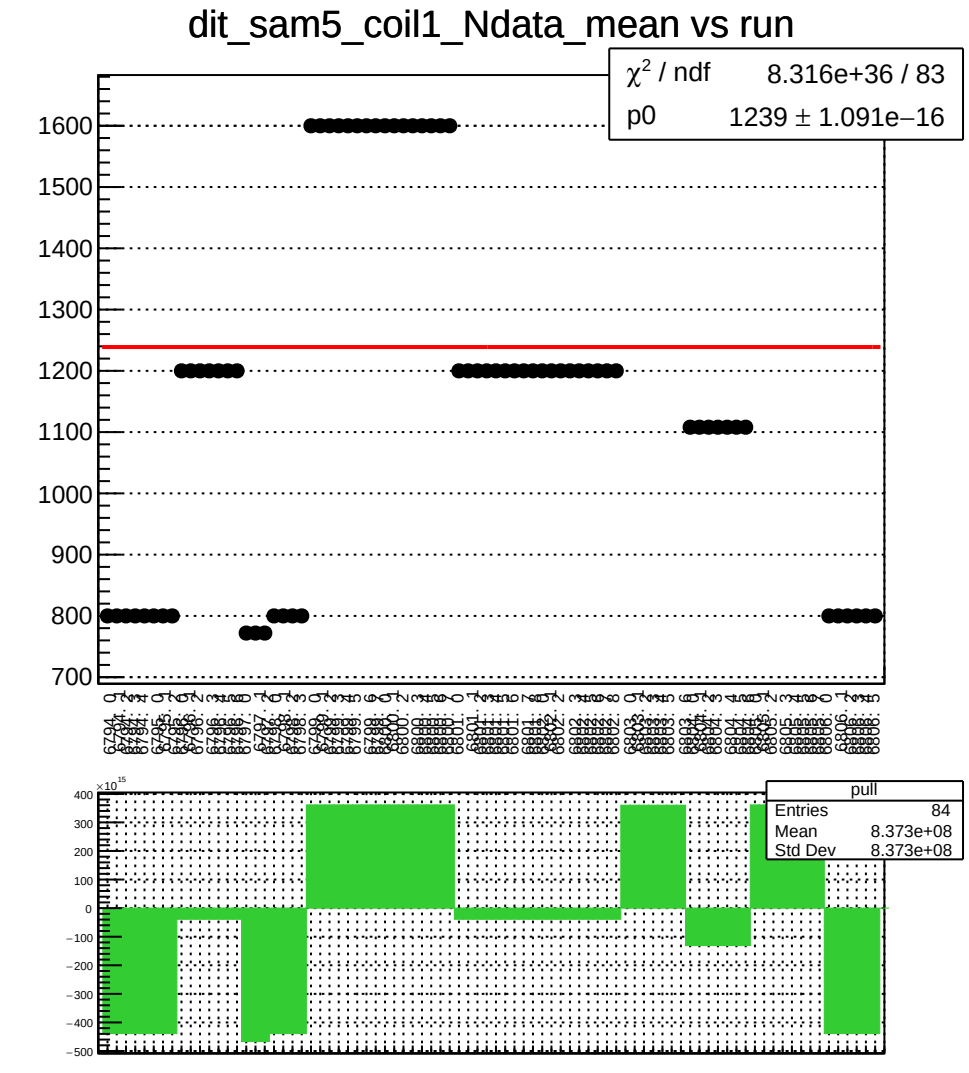

pull1D
Entries 84
Mean 0
Std Dev 0

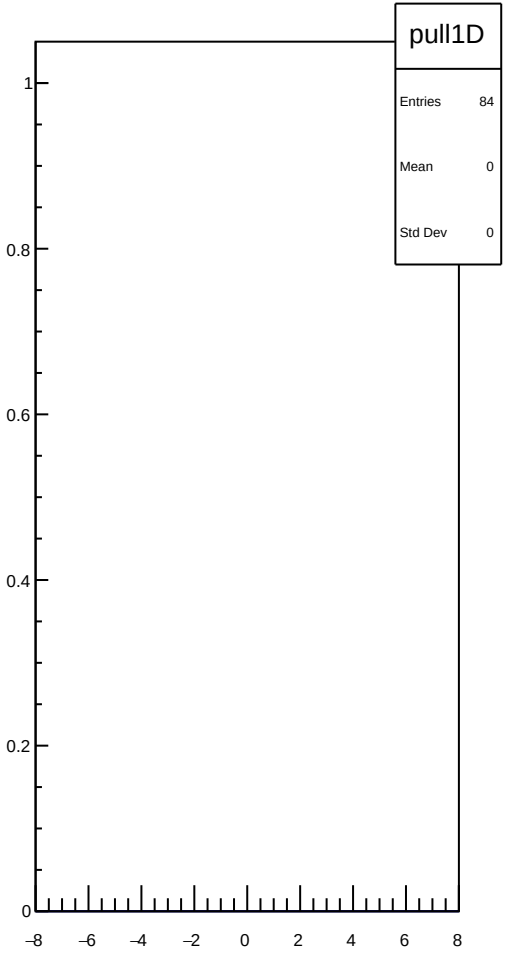

dit_sam5_coil1_mean vs run
χ² / ndf 4.334e+36 / 83
p0 −4235 ± 1.091e−16
−4000
−4200
−4400
−4600
−4800
pull
Entries 84
Mean −2.02e+09
Std Dev 2.02e+09
×10¹⁵
200
0
−200
−400
−600

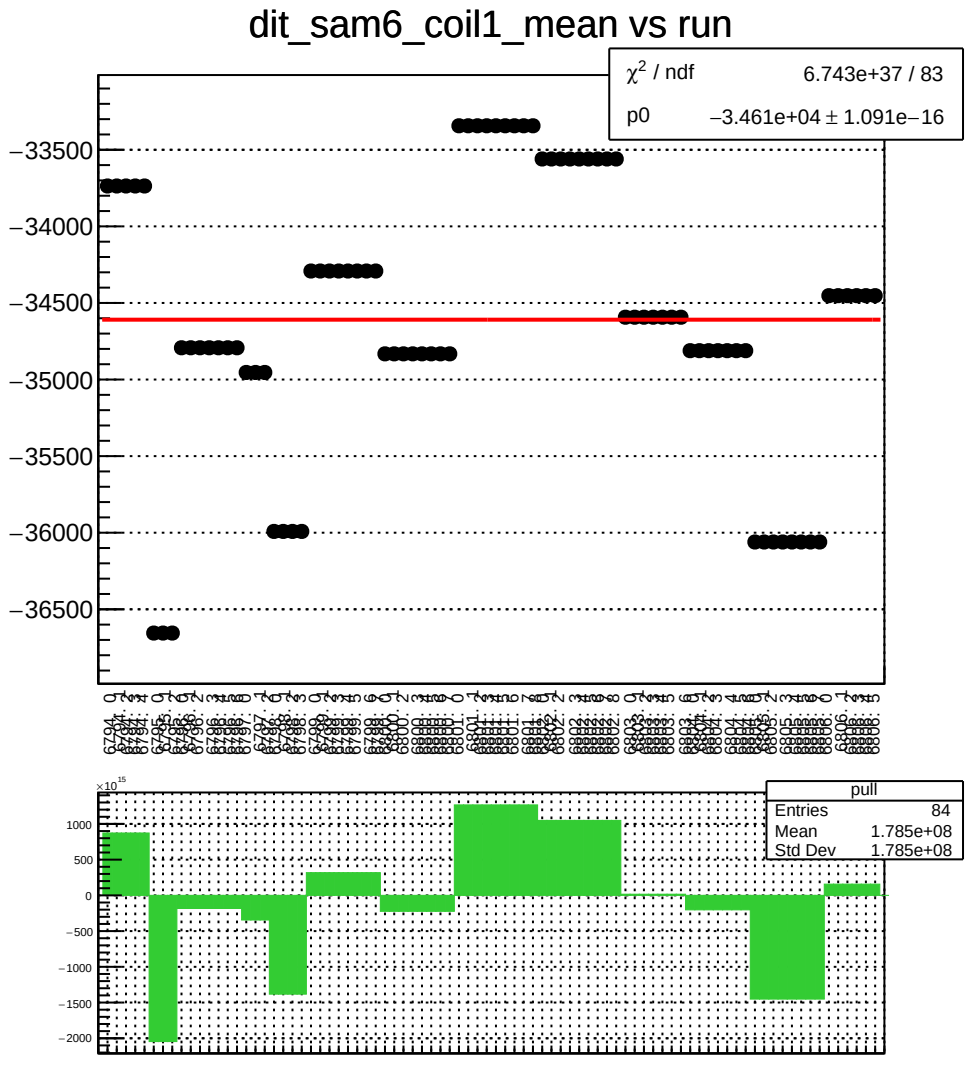

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

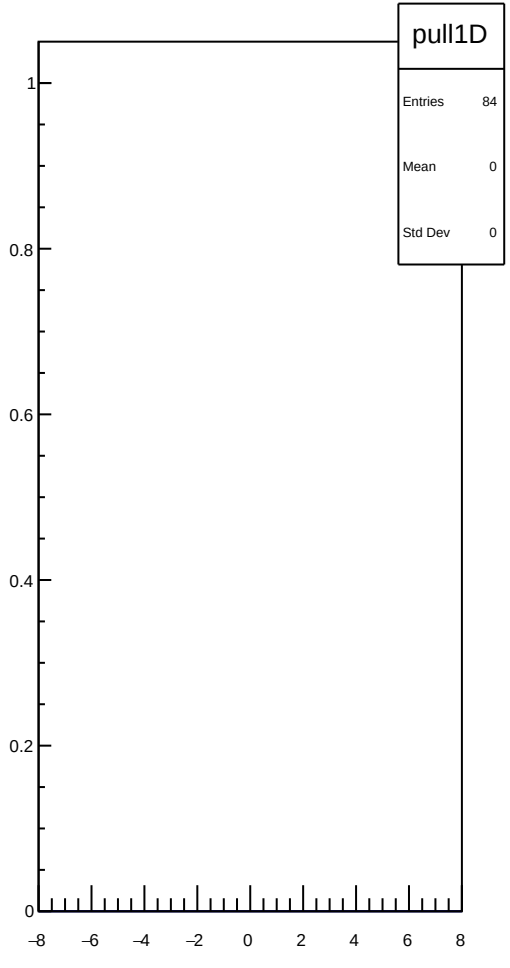

dit_sam5_coil1_err_mean vs run
χ² / ndf 1.186e+36 / 83
p0 345.2 ± 1.091e−16
pull
Entries 84
Mean −1.485e+10
Std Dev 1.485e+10

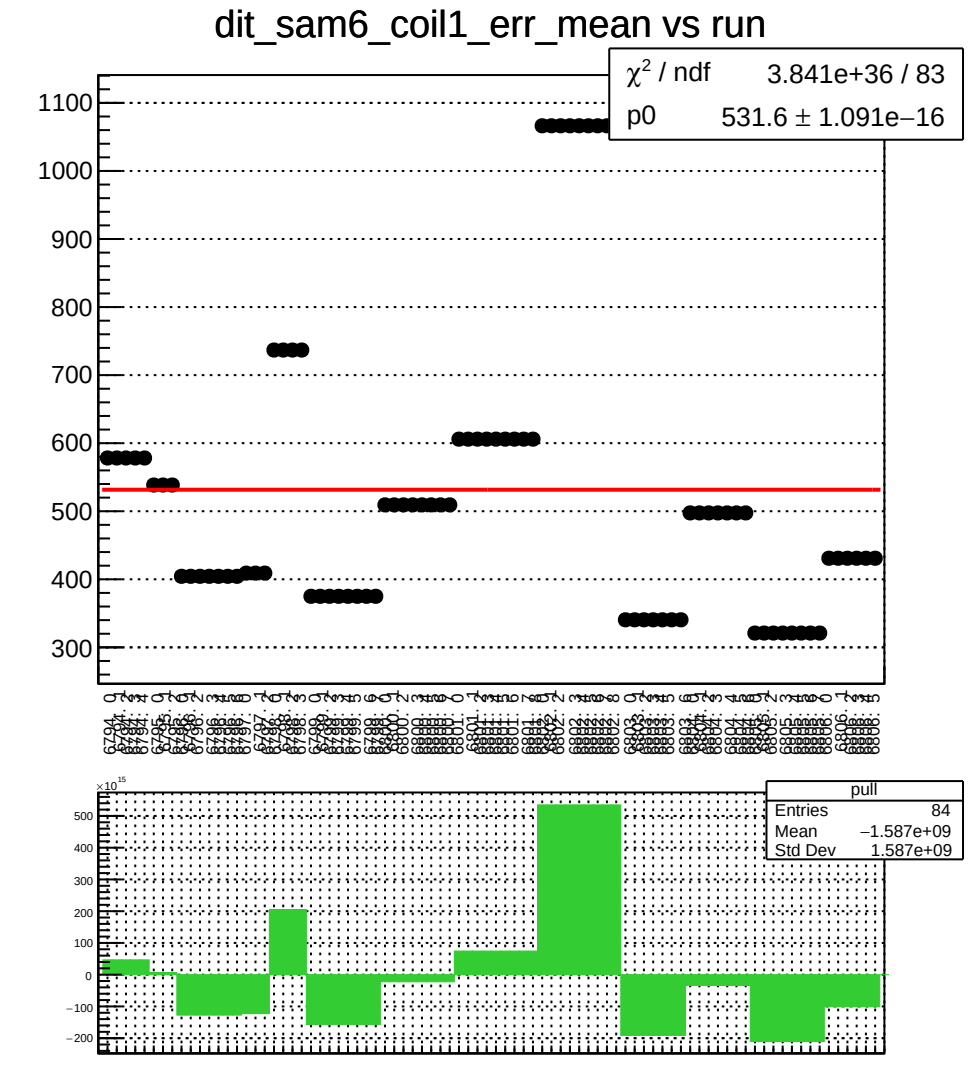

pull1D
Entries 84
Mean 0
Std Dev 0

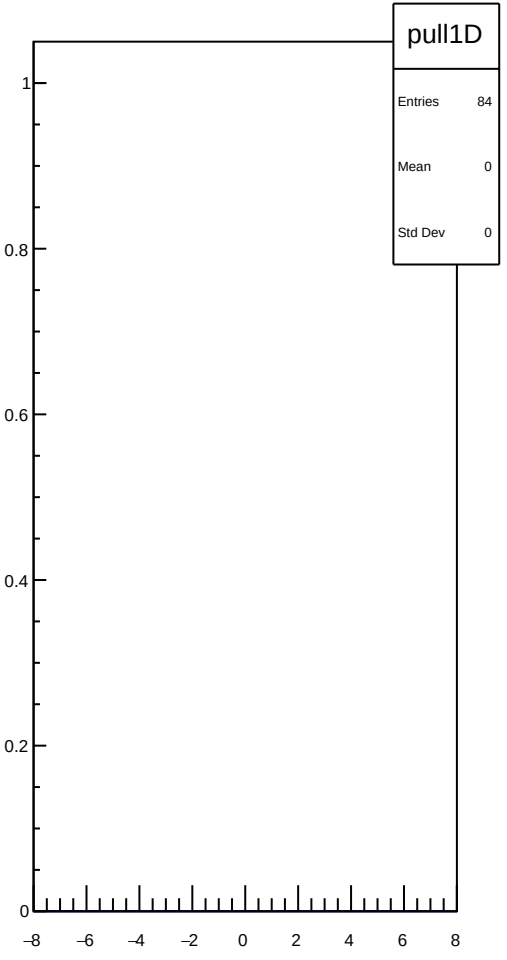

dit_sam5_coil1_Ndata_mean vs run
χ² / ndf 8.316e+36 / 83
p0 1239 ± 1.091e−16
1600
1500
1400
1300
1200
1100
1000
900
800
700
pull
Entries 84
Mean 8.373e+08
Std Dev 8.373e+08
×10¹⁵
400
300
200
100
0
−100
−200
−300
−400
−500

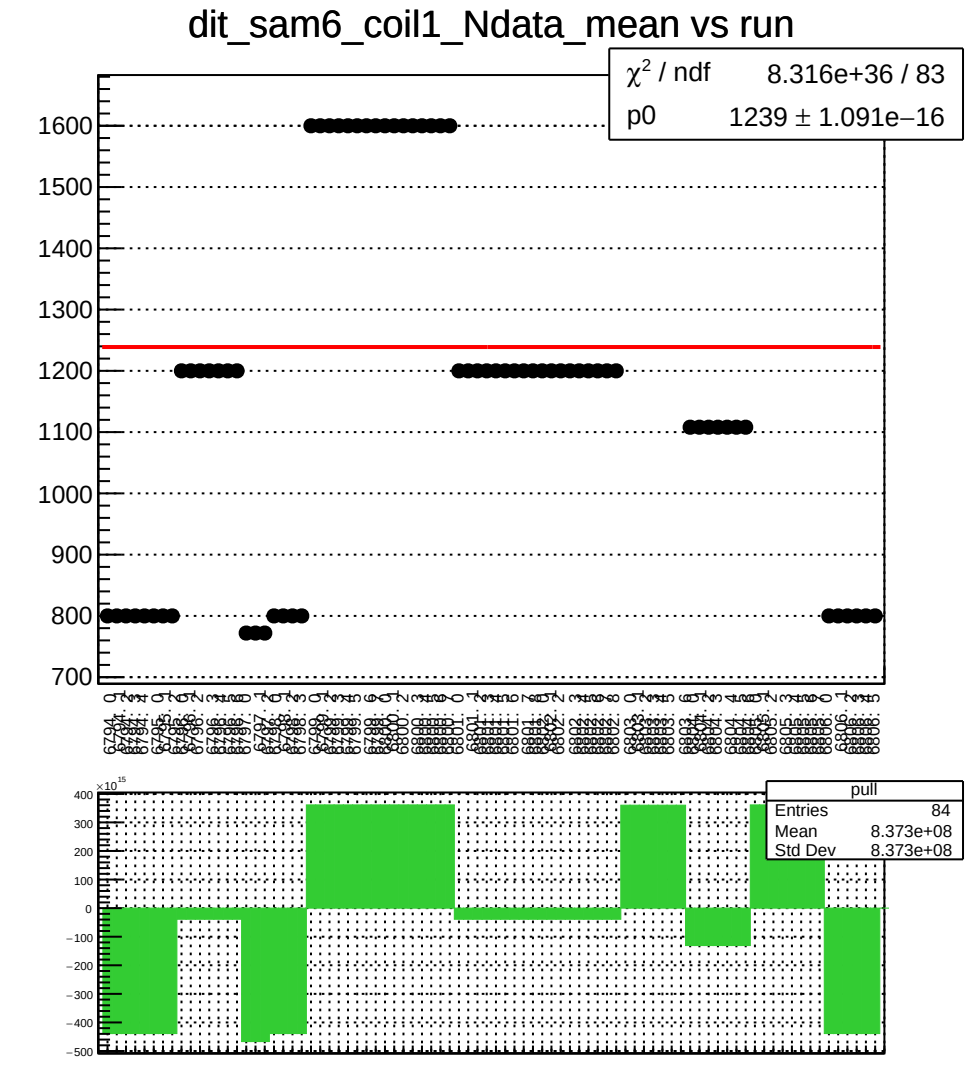

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

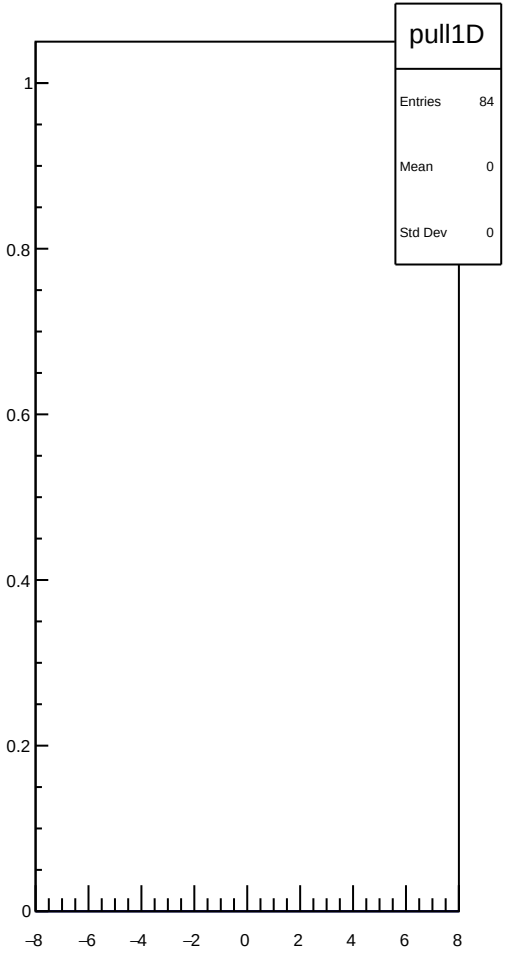

dit_sam6_coil1_mean vs run
χ² / ndf 6.743e+37 / 83
p0 −3.461e+04 ± 1.091e−16
−33500
−34000
−34500
−35000
−35500
−36000
−36500
pull
Entries 84
Mean 1.785e+08
Std Dev 1.785e+08
×10¹⁵
1000
500
0
−500
−1000
−1500
−2000

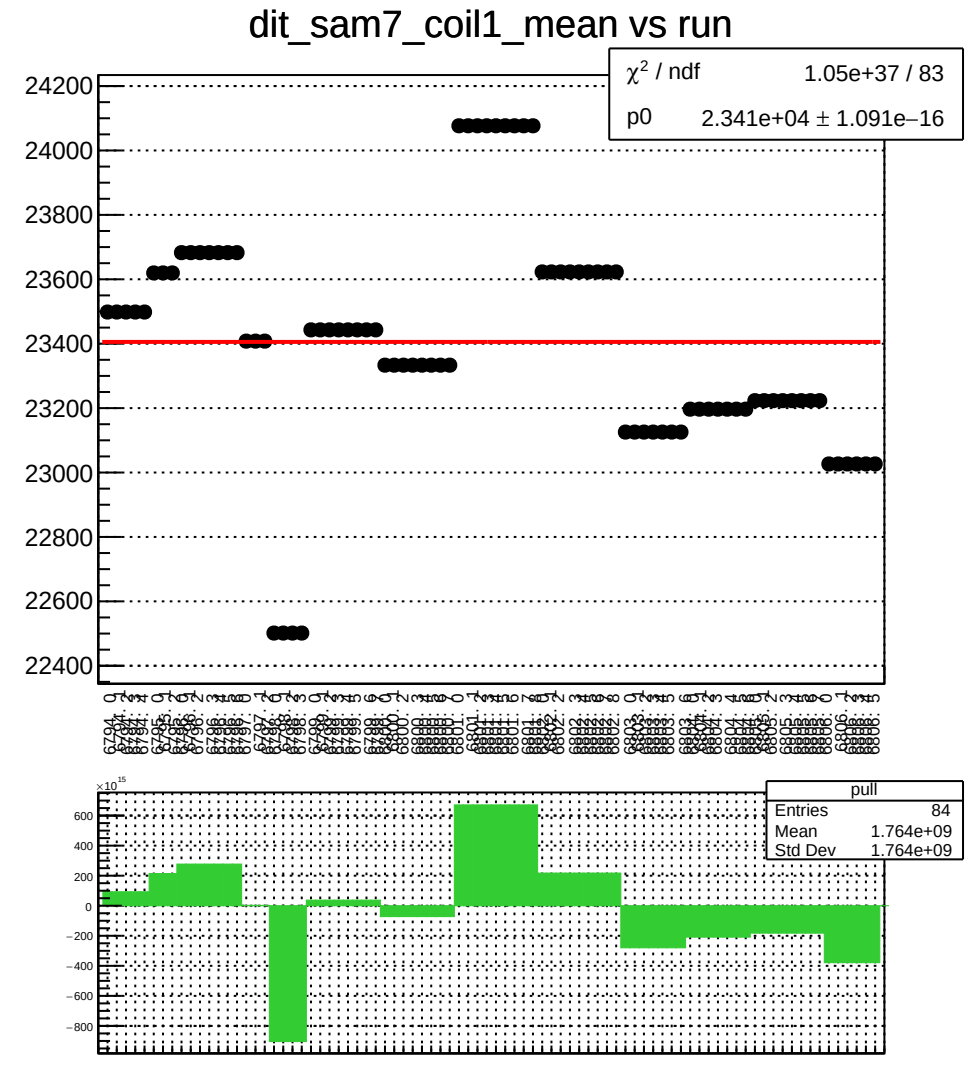

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

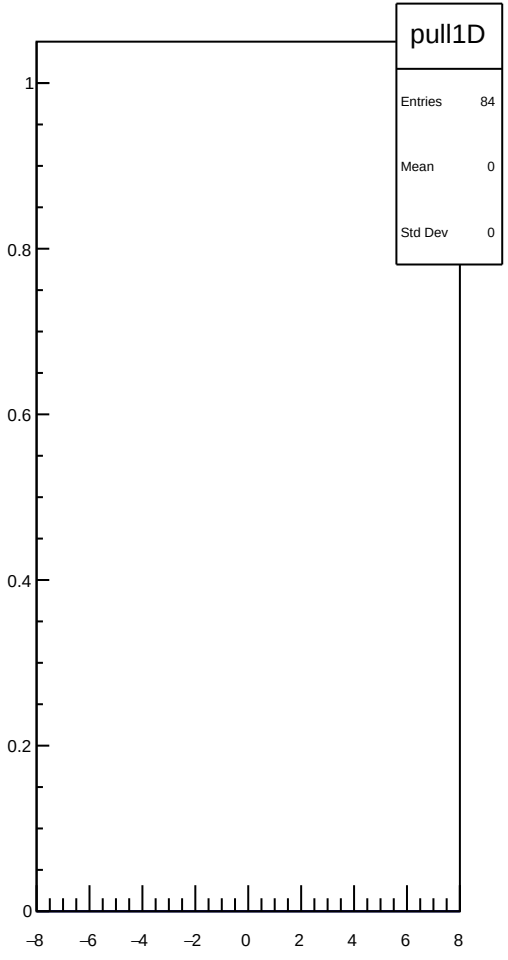

dit_sam6_coil1_err_mean vs run
χ² / ndf 3.841e+36 / 83
p0 531.6 ± 1.091e−16
pull
Entries 84
Mean −1.587e+09
Std Dev 1.587e+09

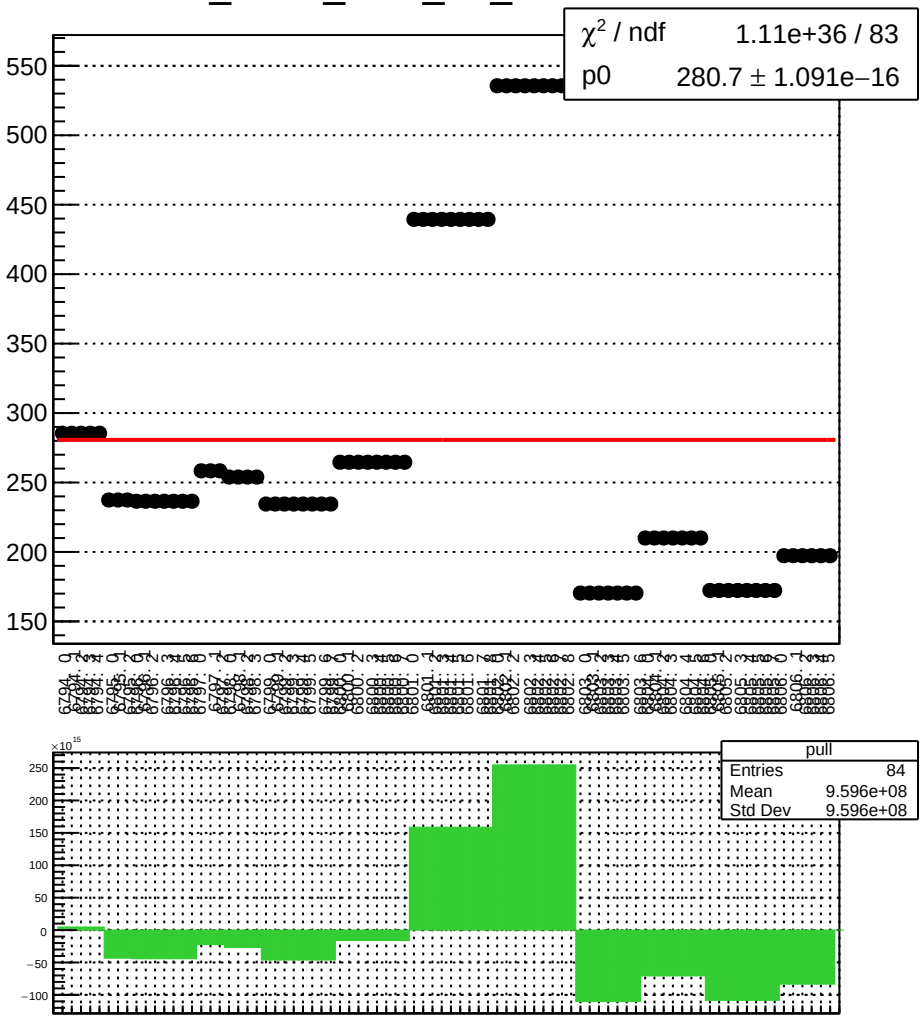

pull1D
Entries 84
Mean 0
Std Dev 0

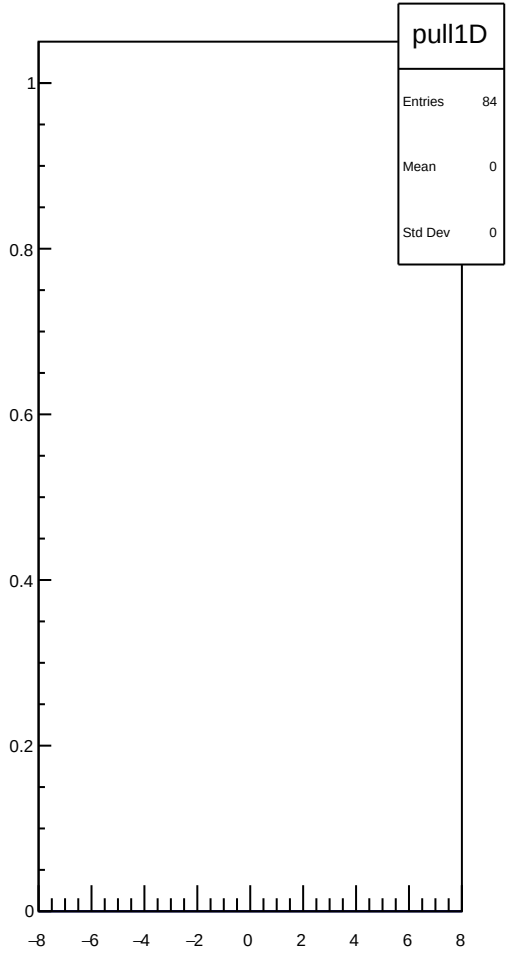

dit_sam6_coil1_Ndata_mean vs run
χ² / ndf 8.316e+36 / 83
p0 1239 ± 1.091e−16
pull
Entries 84
Mean 8.373e+08
Std Dev 8.373e+08
×10¹⁵

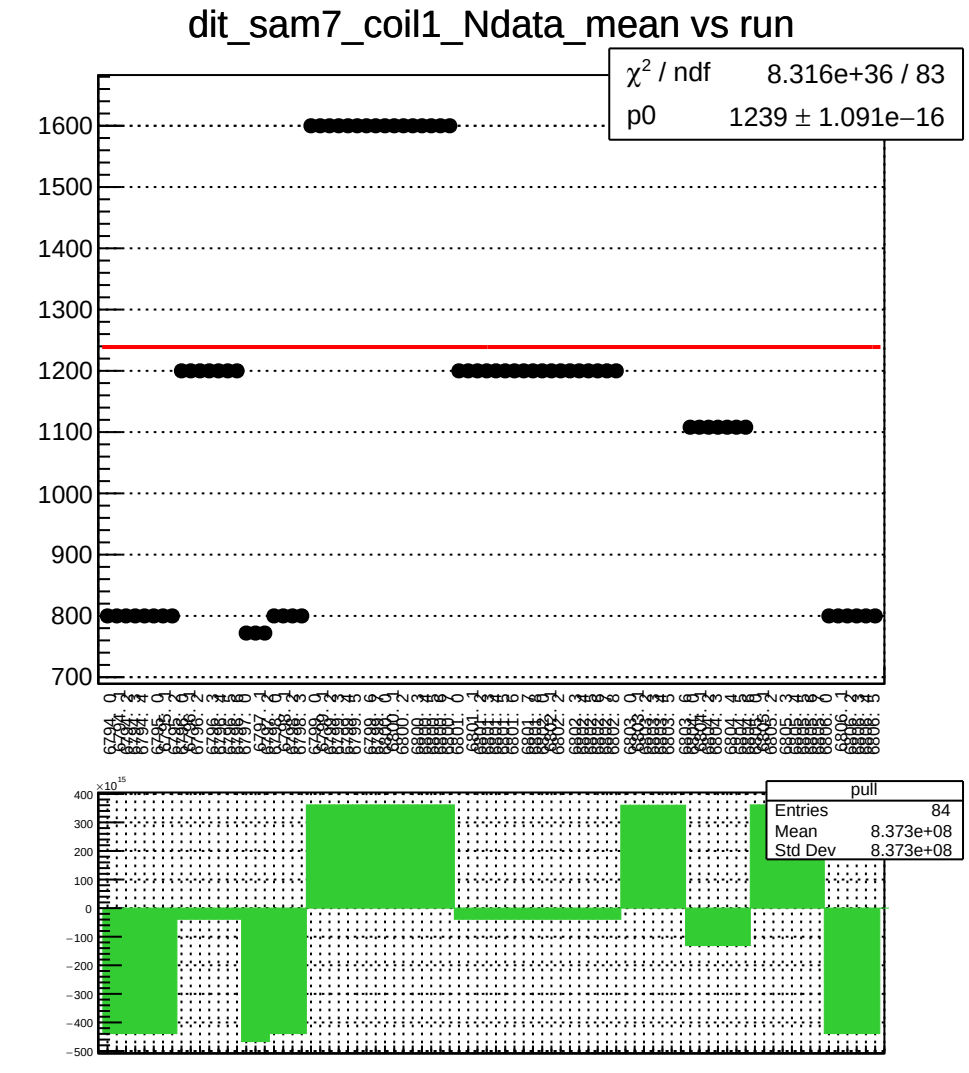

pull1D
Entries 84
Mean 0
Std Dev 0

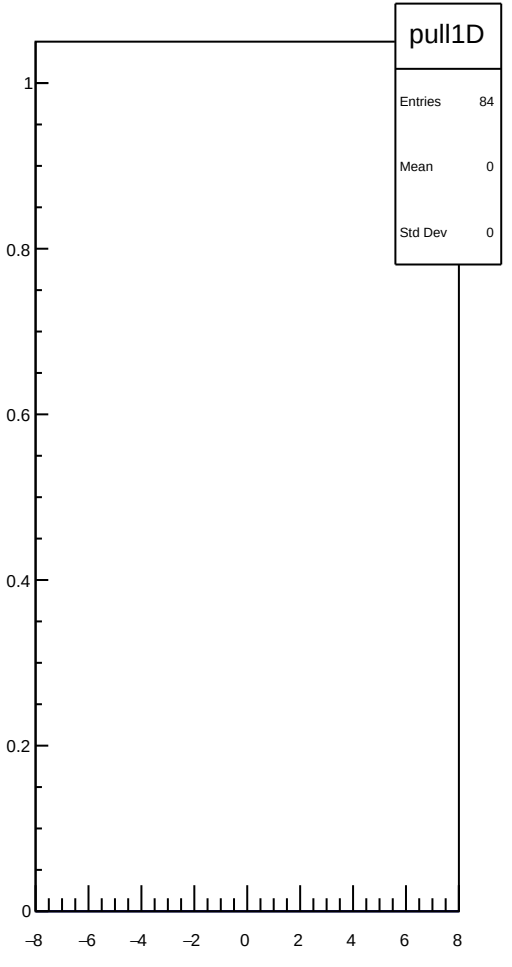

dit_sam7_coil1_mean vs run
χ² / ndf 1.05e+37 / 83
p0 2.341e+04 ± 1.091e−16
pull
Entries 84
Mean 1.764e+09
Std Dev 1.764e+09

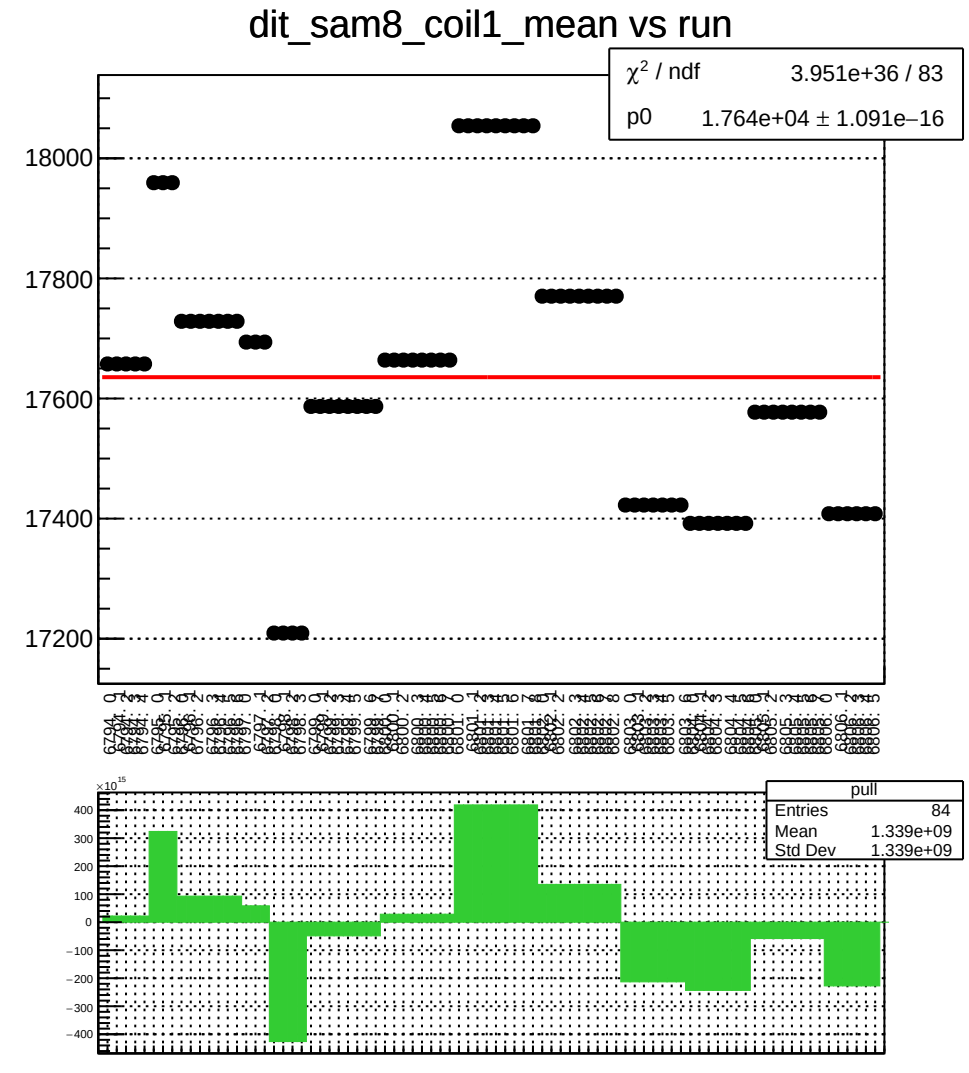

pull1D
Entries 84
Mean 0
Std Dev 0

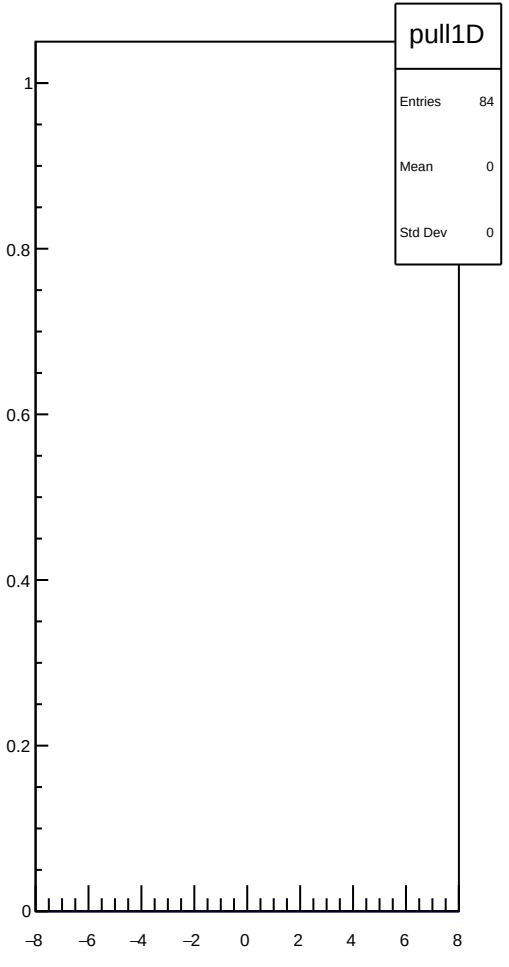

dit_sam7_coil1_err_mean vs run
χ² / ndf 1.11e+36 / 83
p0 280.7 ± 1.091e−16
pull
Entries 84
Mean 9.596e+08
Std Dev 9.596e+08

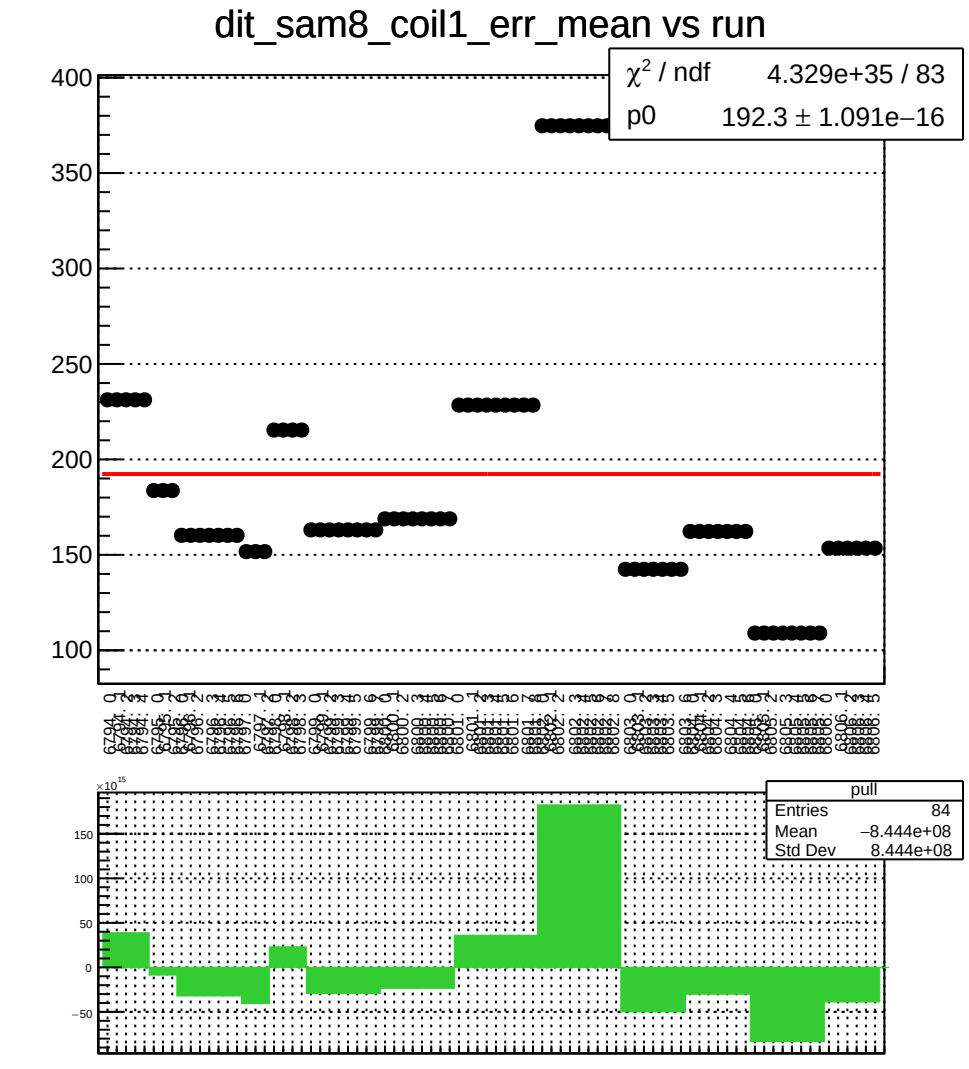

pull1D
Entries 84
Mean 0
Std Dev 0

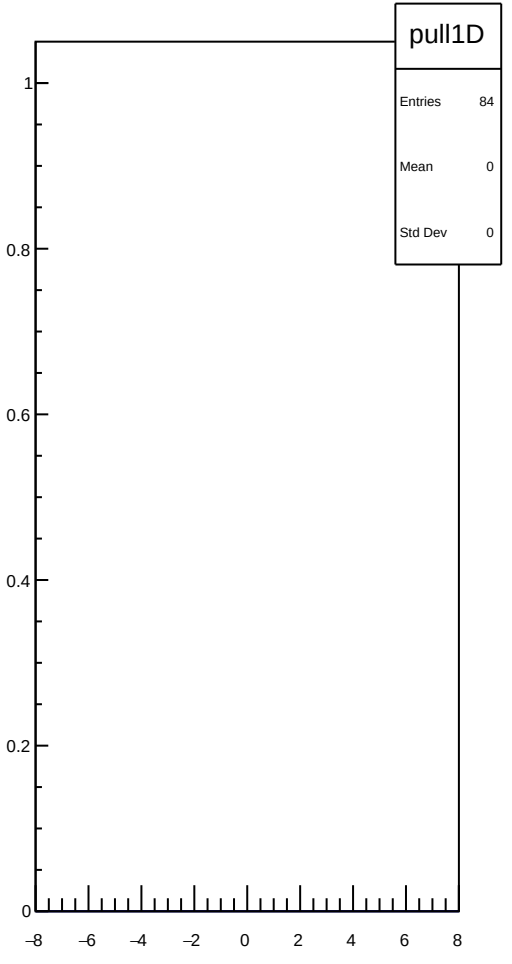

dit_sam7_coil1_Ndata_mean vs run
χ² / ndf 8.316e+36 / 83
p0 1239 ± 1.091e−16
1600
1500
1400
1300
1200
1100
1000
900
800
700
pull
Entries 84
Mean 8.373e+08
Std Dev 8.373e+08
×10¹⁵
400
300
200
100
0
−100
−200
−300
−400
−500

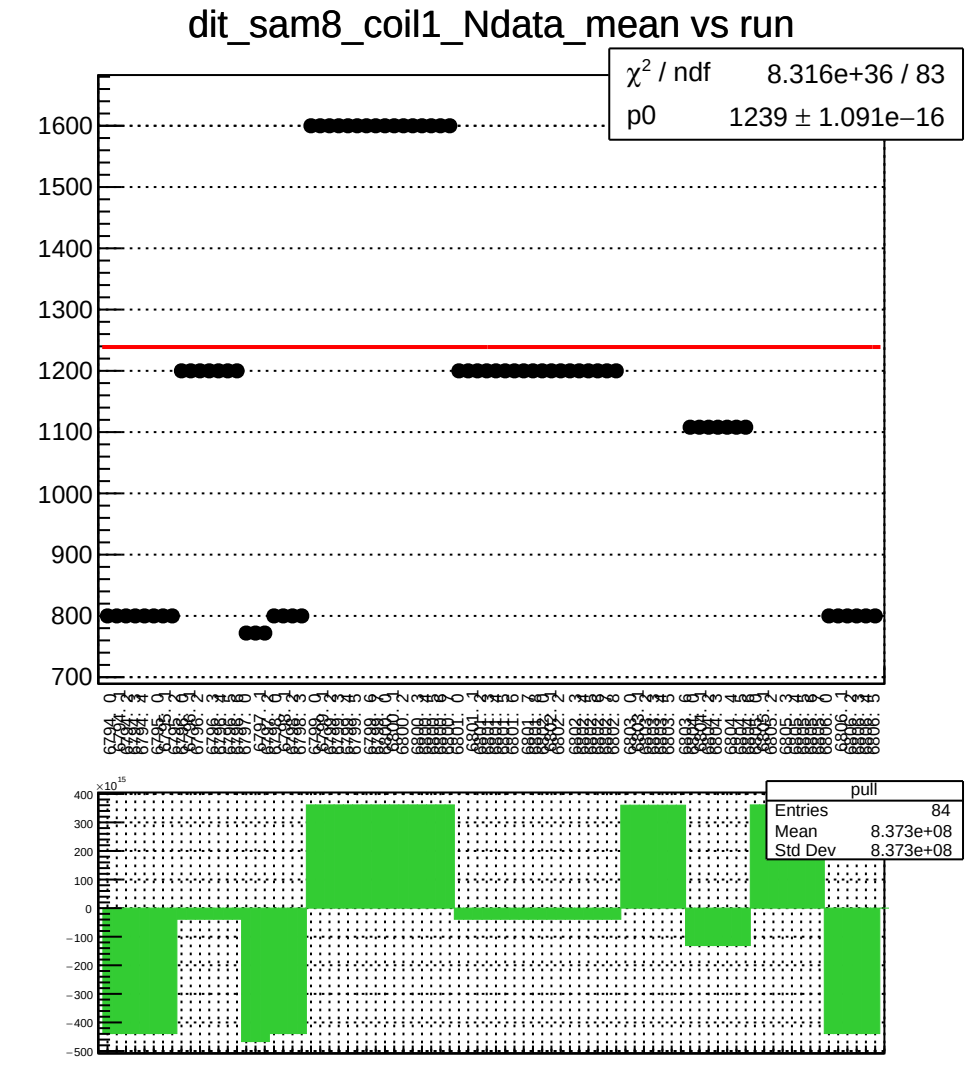

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

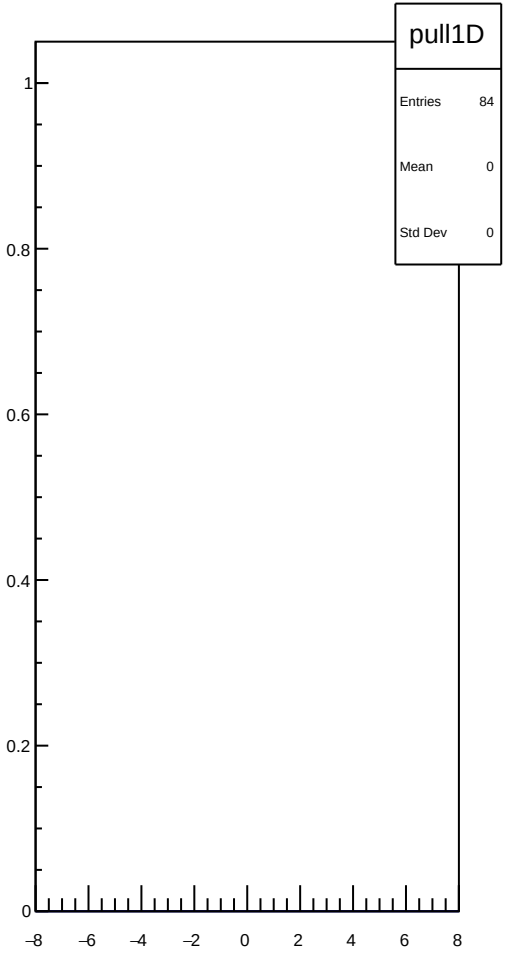

dit_sam8_coil1_mean vs run
χ² / ndf 3.951e+36 / 83
p0 1.764e+04 ± 1.091e−16
18000
17800
17600
17400
17200
×10¹⁵
400
300
200
100
0
−100
−200
−300
−400
pull
Entries 84
Mean 1.339e+09
Std Dev 1.339e+09

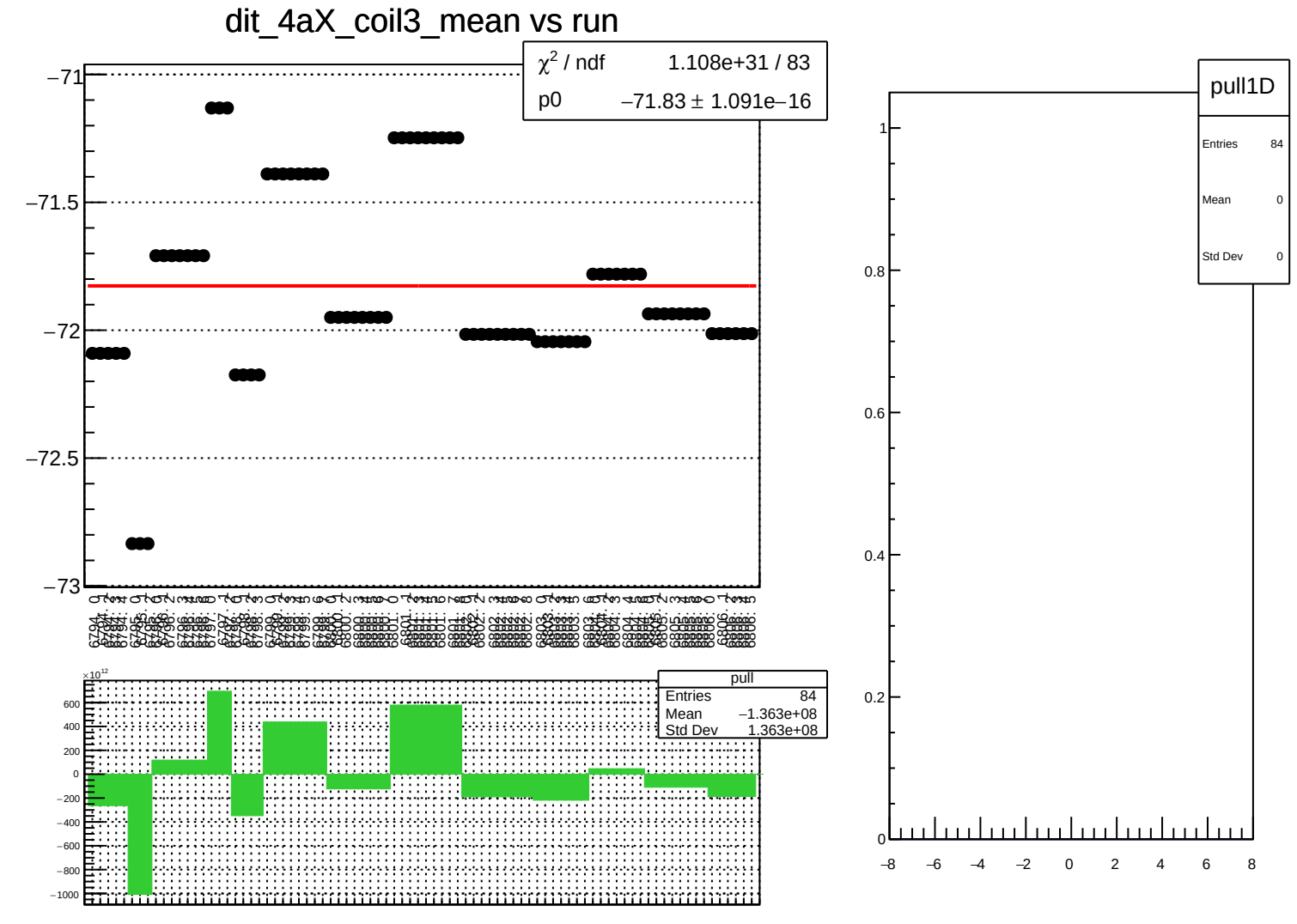

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

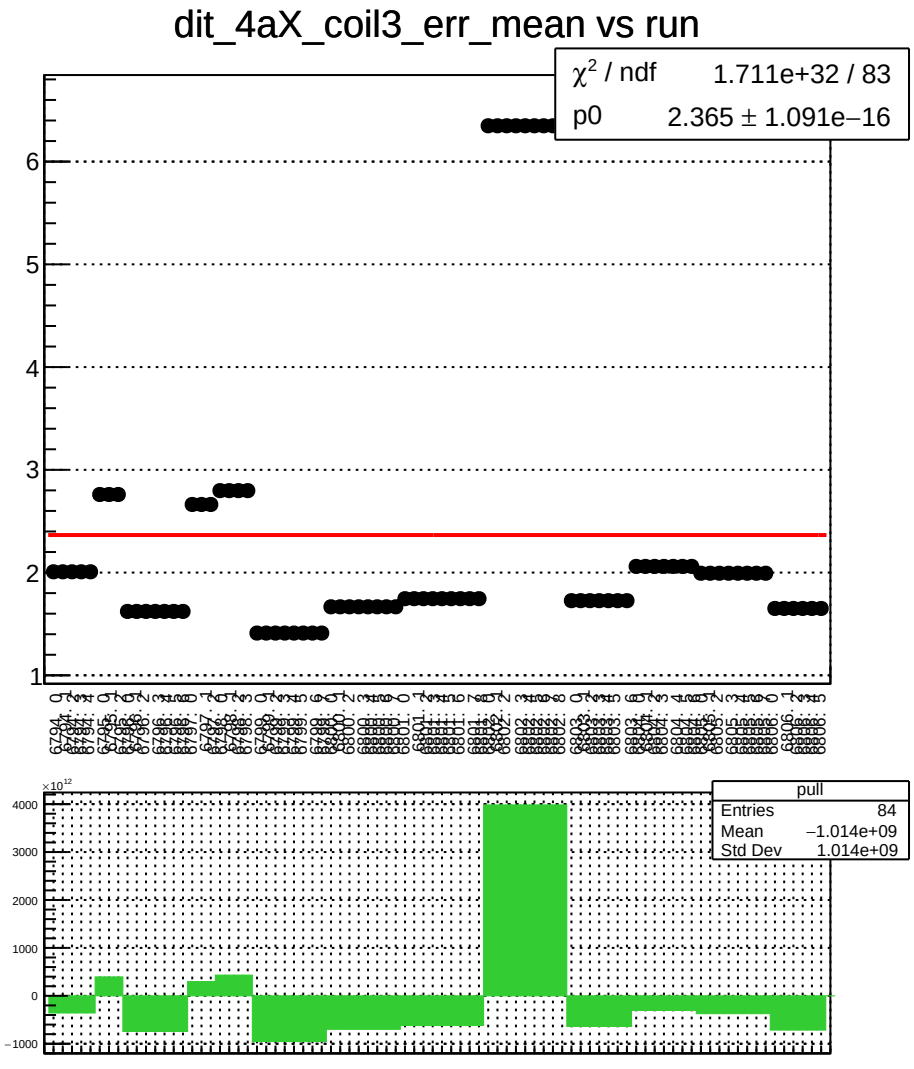

dit_sam8_coil1_err_mean vs run
χ² / ndf 4.329e+35 / 83
p0 192.3 ± 1.091e−16
400
350
300
250
200
150
100
pull
Entries 84
Mean −8.444e+08
Std Dev 8.444e+08
×10¹⁵
150
100
50
0
−50

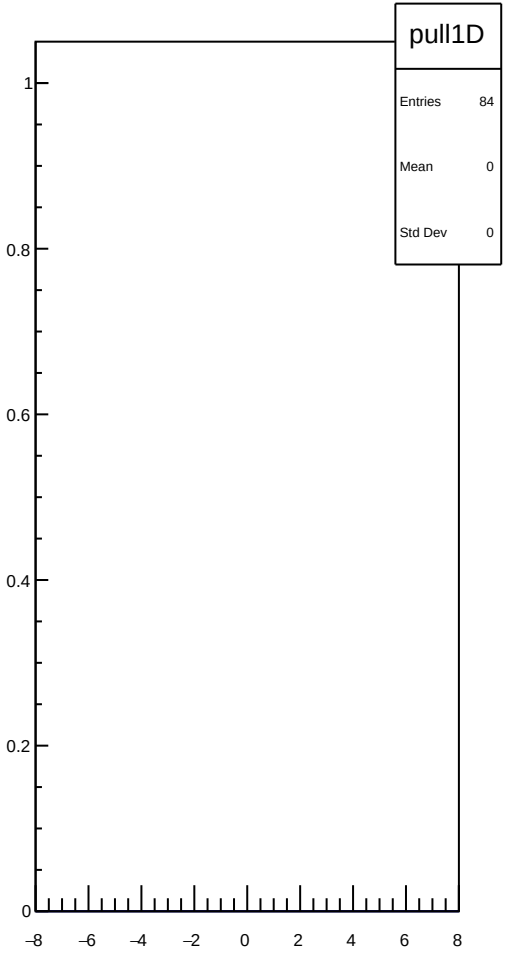

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

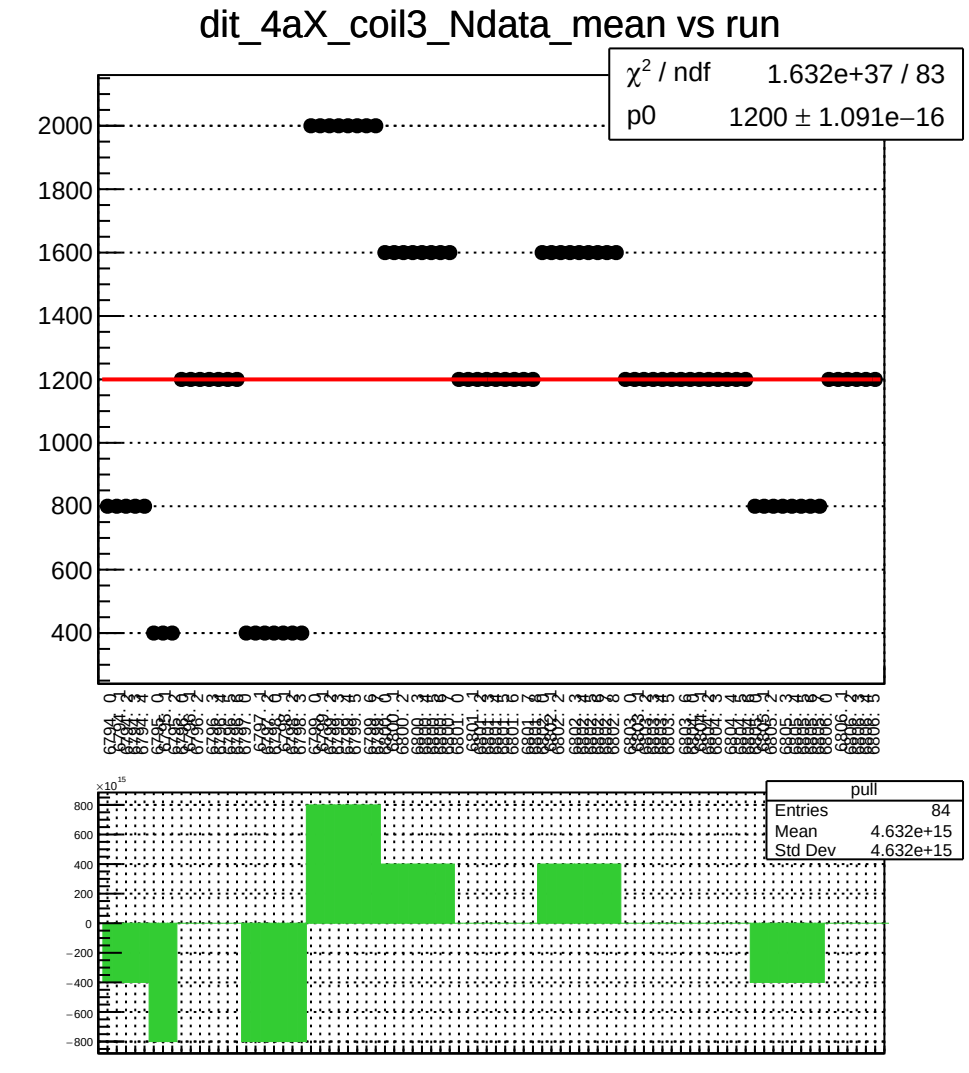

dit_sam8_coil1_Ndata_mean vs run
χ² / ndf 8.316e+36 / 83
p0 1239 ± 1.091e−16
1600
1500
1400
1300
1200
1100
1000
900
800
700
pull
Entries 84
Mean 8.373e+08
Std Dev 8.373e+08
×10¹⁵
400
300
200
100
0
−100
−200
−300
−400
−500

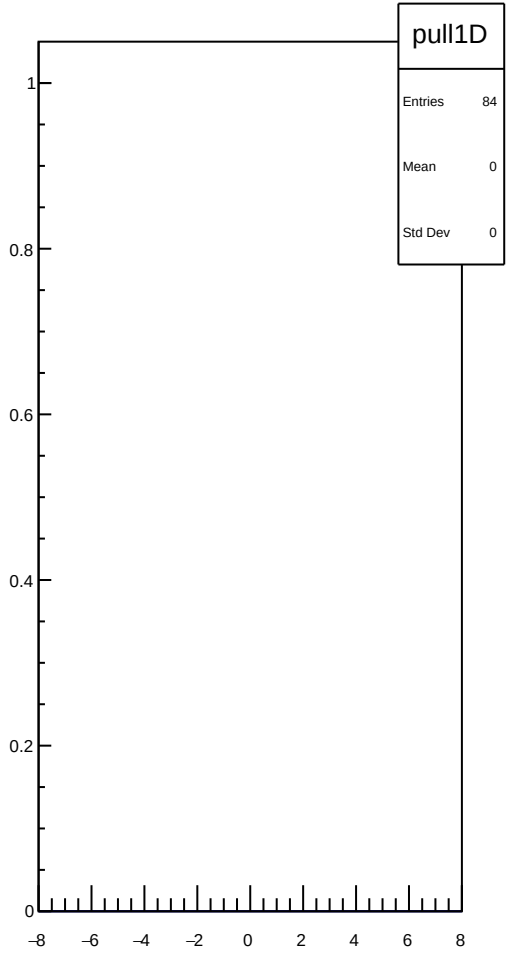

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

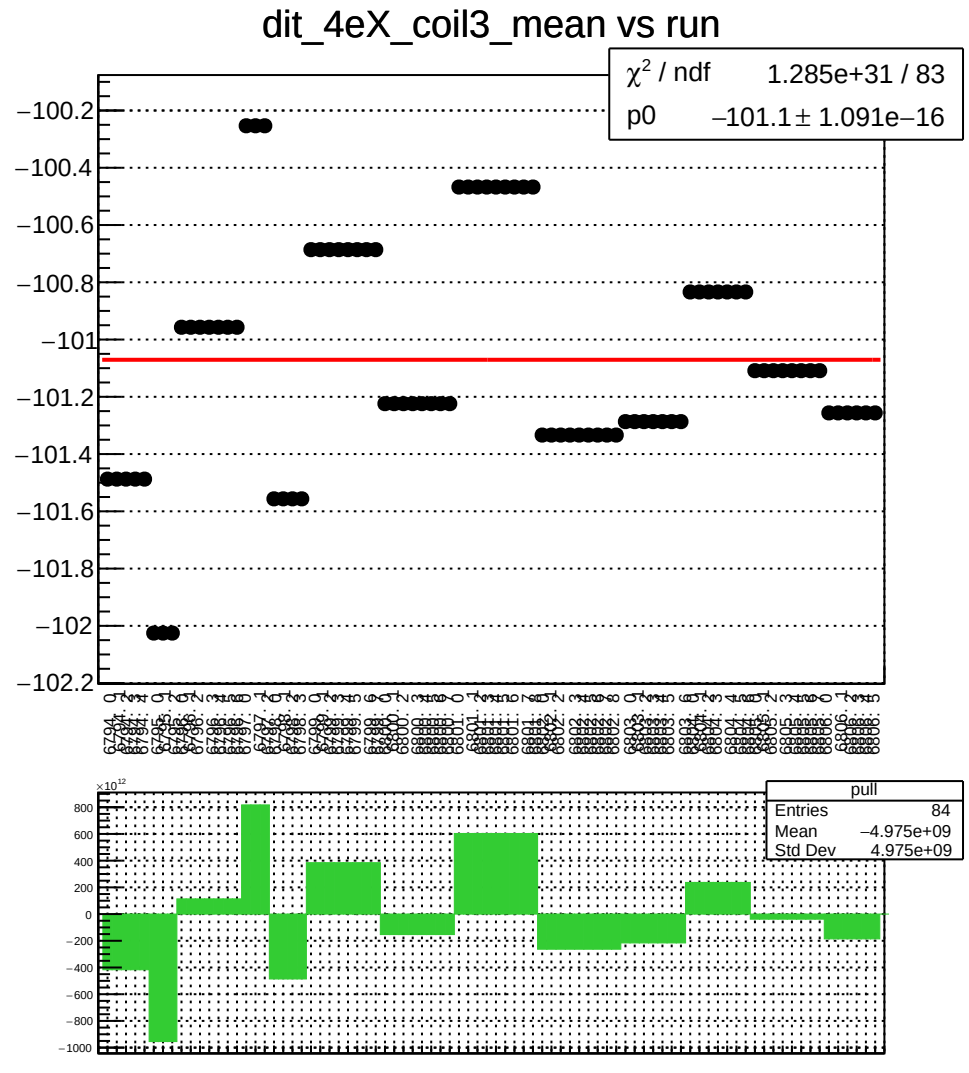

dit_4aX_coil3_mean vs run
χ² / ndf 1.108e+31 / 83
p0 −71.83 ± 1.091e−16
−71
−71.5
−72
−72.5
−73
pull
Entries 84
Mean −1.363e+08
Std Dev 1.363e+08
×10¹²
600
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

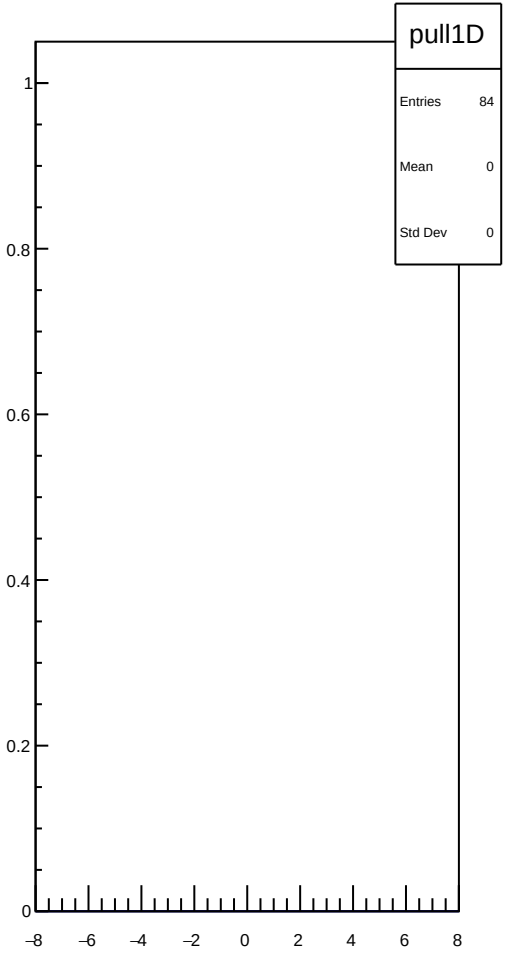

dit_4aX_coil3_err_mean vs run
χ² / ndf 1.711e+32 / 83
p0 2.365 ± 1.091e−16
pull
Entries 84
Mean −1.014e+09
Std Dev 1.014e+09
×10¹²

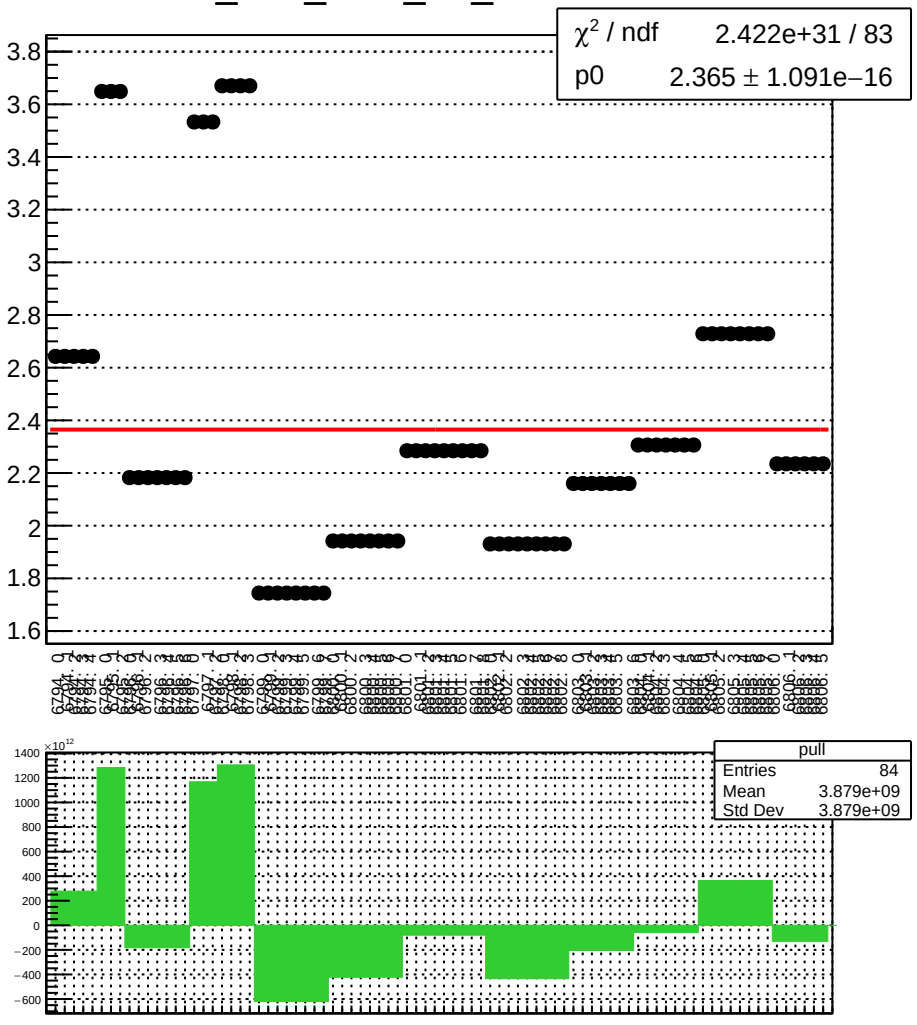

pull1D
Entries 84
Mean 0
Std Dev 0

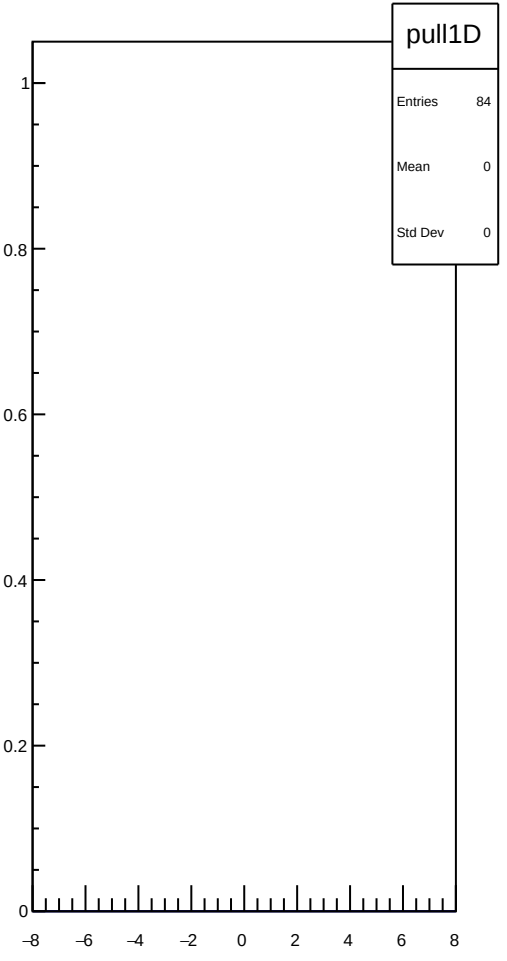

dit_4aX_coil3_Ndata_mean vs run
χ² / ndf 1.632e+37 / 83
p0 1200 ± 1.091e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean 4.632e+15
Std Dev 4.632e+15
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800

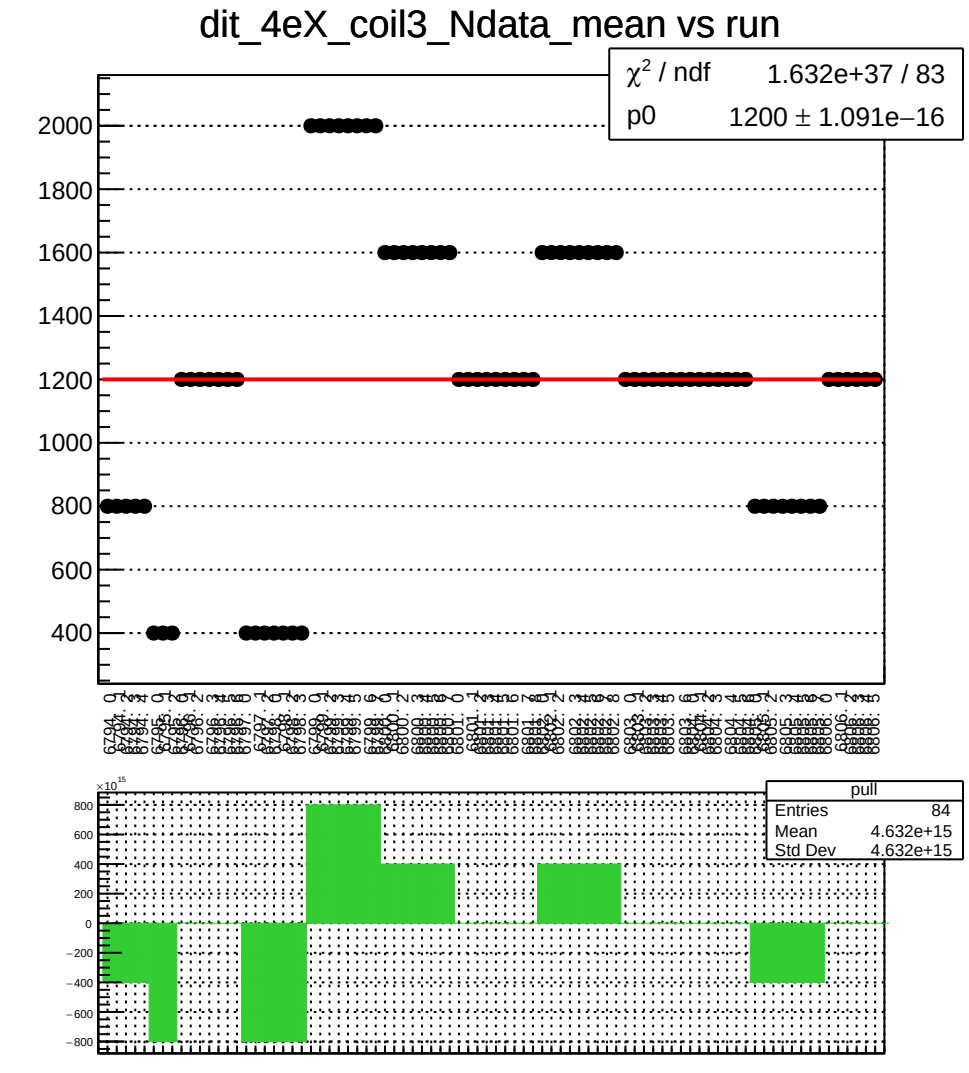

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

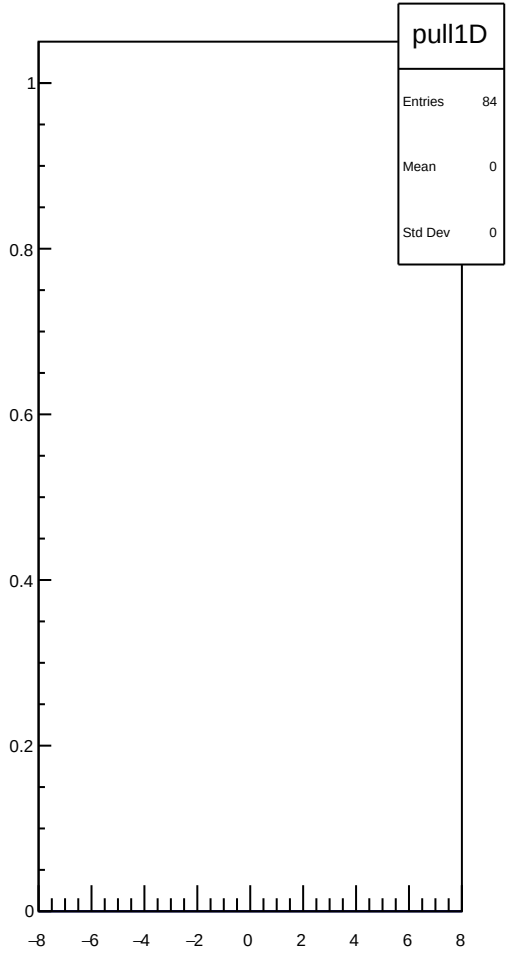

dit_4eX_coil3_mean vs run
χ² / ndf 1.285e+31 / 83
p0 −101.1 ± 1.091e−16
−100.2
−100.4
−100.6
−100.8
−101
−101.2
−101.4
−101.6
−101.8
−102
−102.2
×10¹²
800
600
400
200
0
−200
−400
−600
−800
−1000
pull
Entries 84
Mean −4.975e+09
Std Dev 4.975e+09

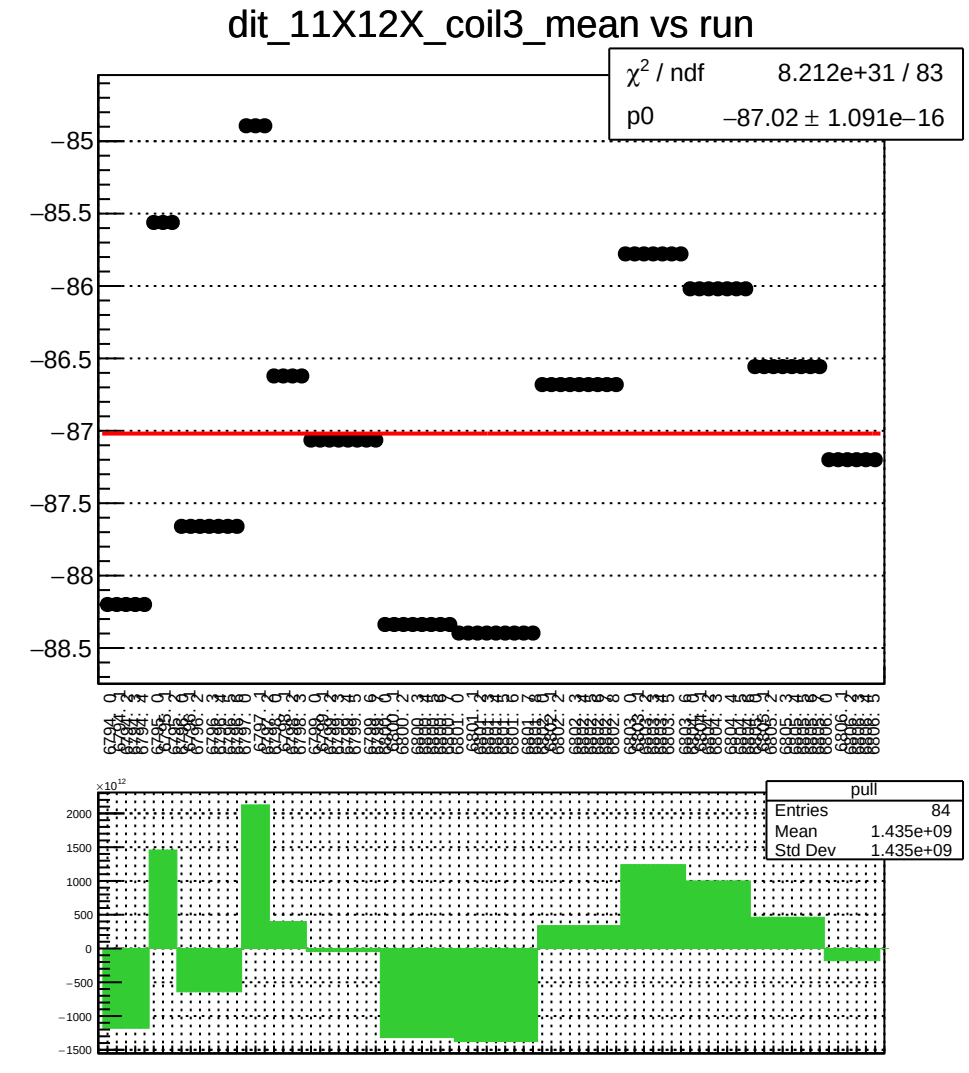

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

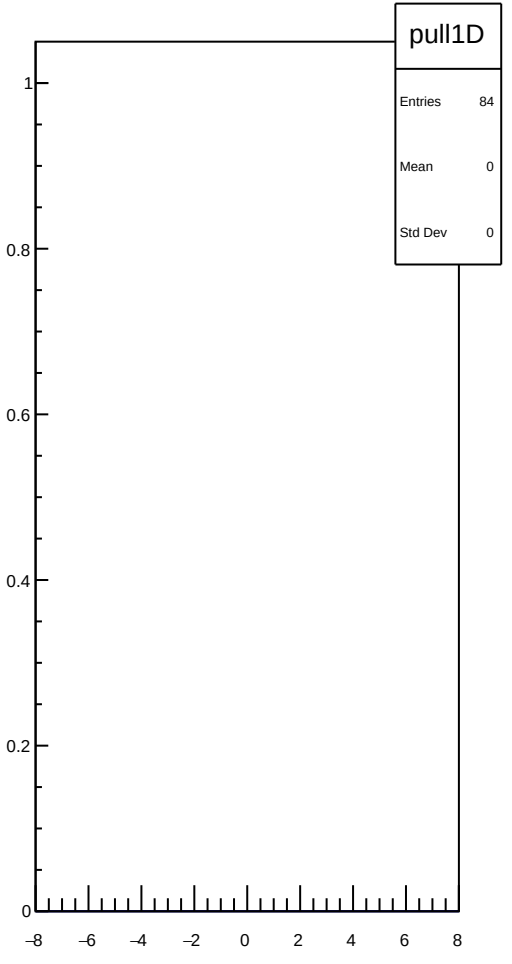

dit_4eX_coil3_err_mean vs run
χ² / ndf 2.422e+31 / 83
p0 2.365 ± 1.091e−16
pull
Entries 84
Mean 3.879e+09
Std Dev 3.879e+09

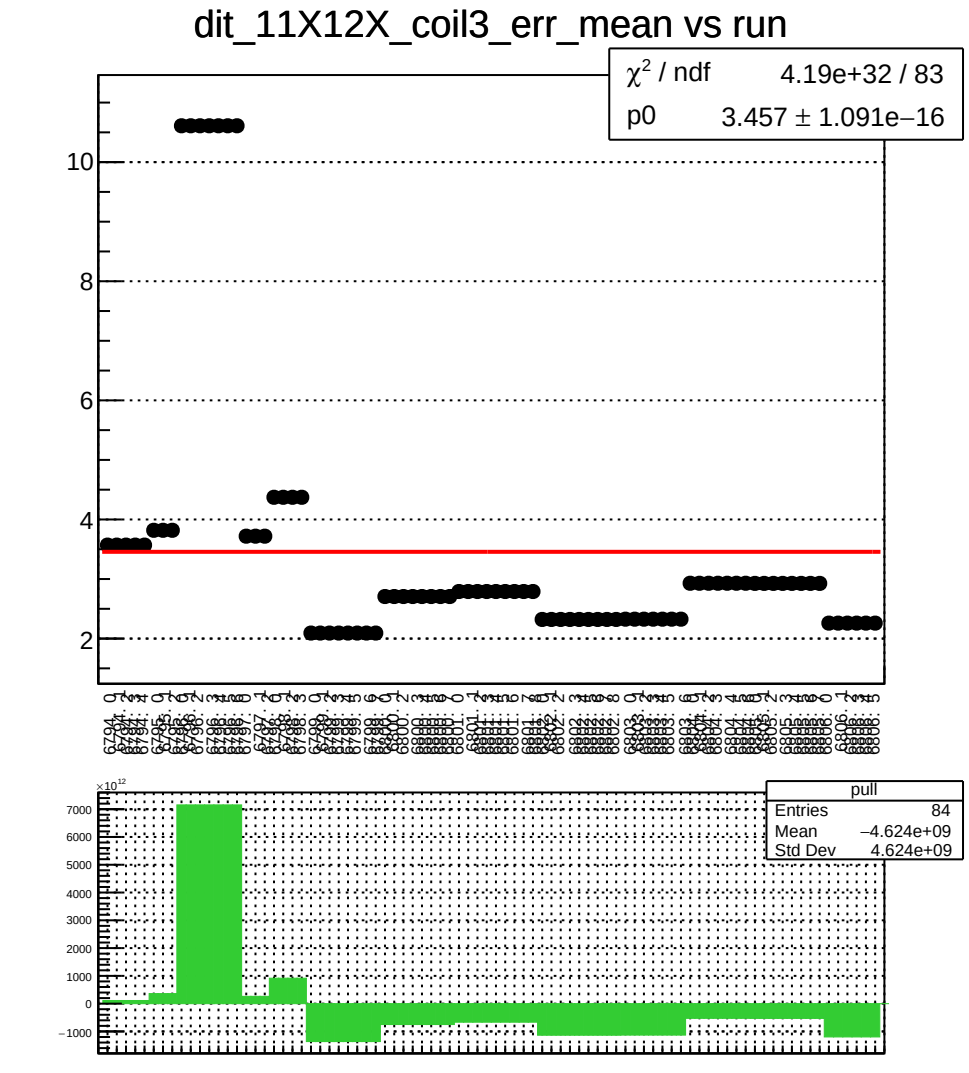

pull1D
Entries 84
Mean 0
Std Dev 0

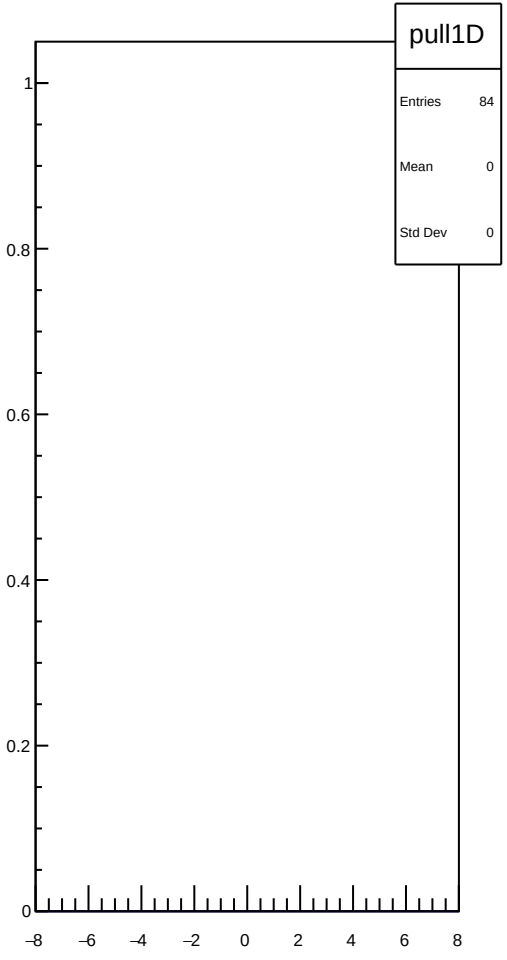

dit_4eX_coil3_Ndata_mean vs run
χ² / ndf 1.632e+37 / 83
p0 1200 ± 1.091e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean 4.632e+15
Std Dev 4.632e+15
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800

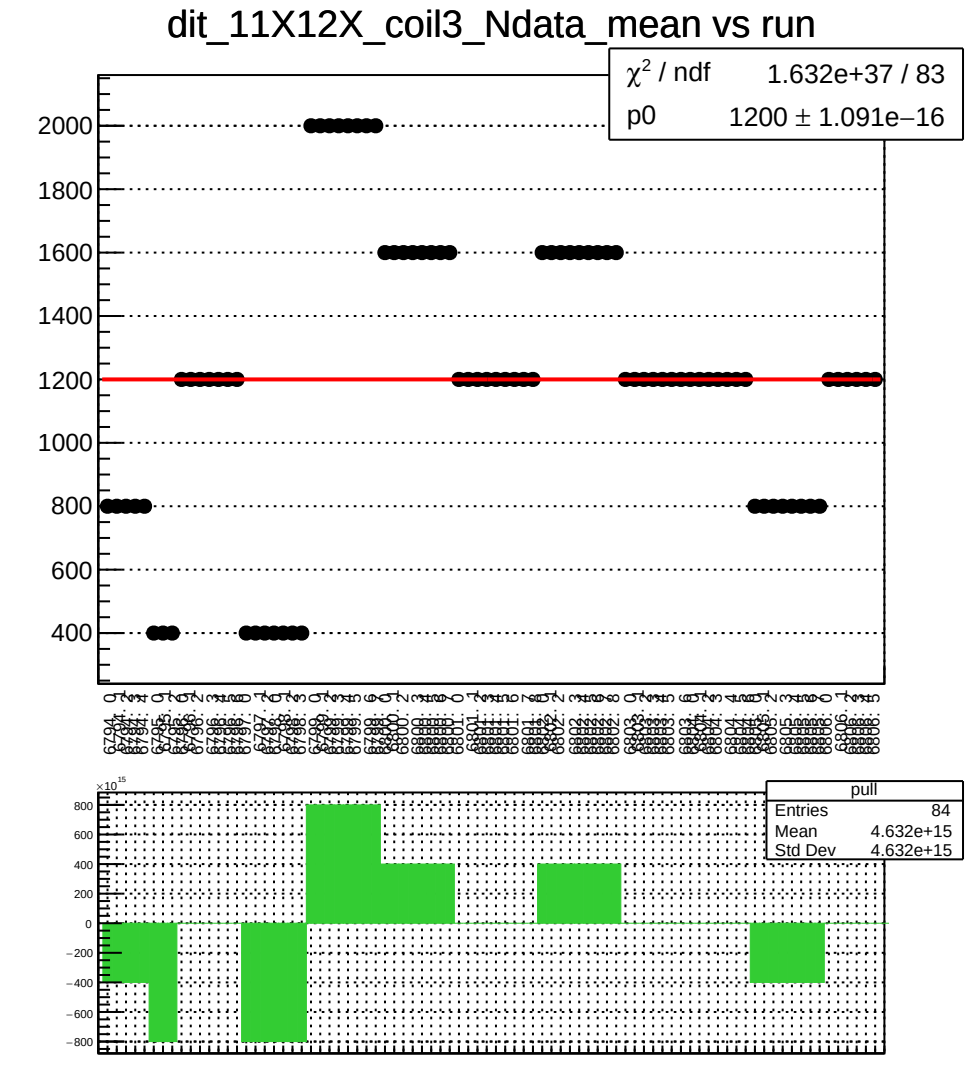

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

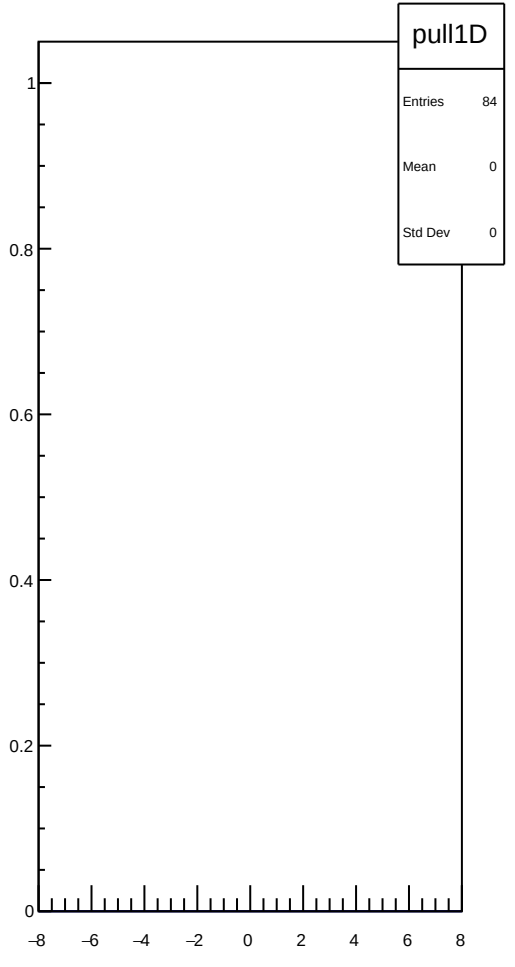

dit_11X12X_coil3_mean vs run
χ² / ndf 8.212e+31 / 83
p0 −87.02 ± 1.091e−16
−85
−85.5
−86
−86.5
−87
−87.5
−88
−88.5
pull
Entries 84
Mean 1.435e+09
Std Dev 1.435e+09
×10¹²
2000
1500
1000
500
0
−500
−1000
−1500

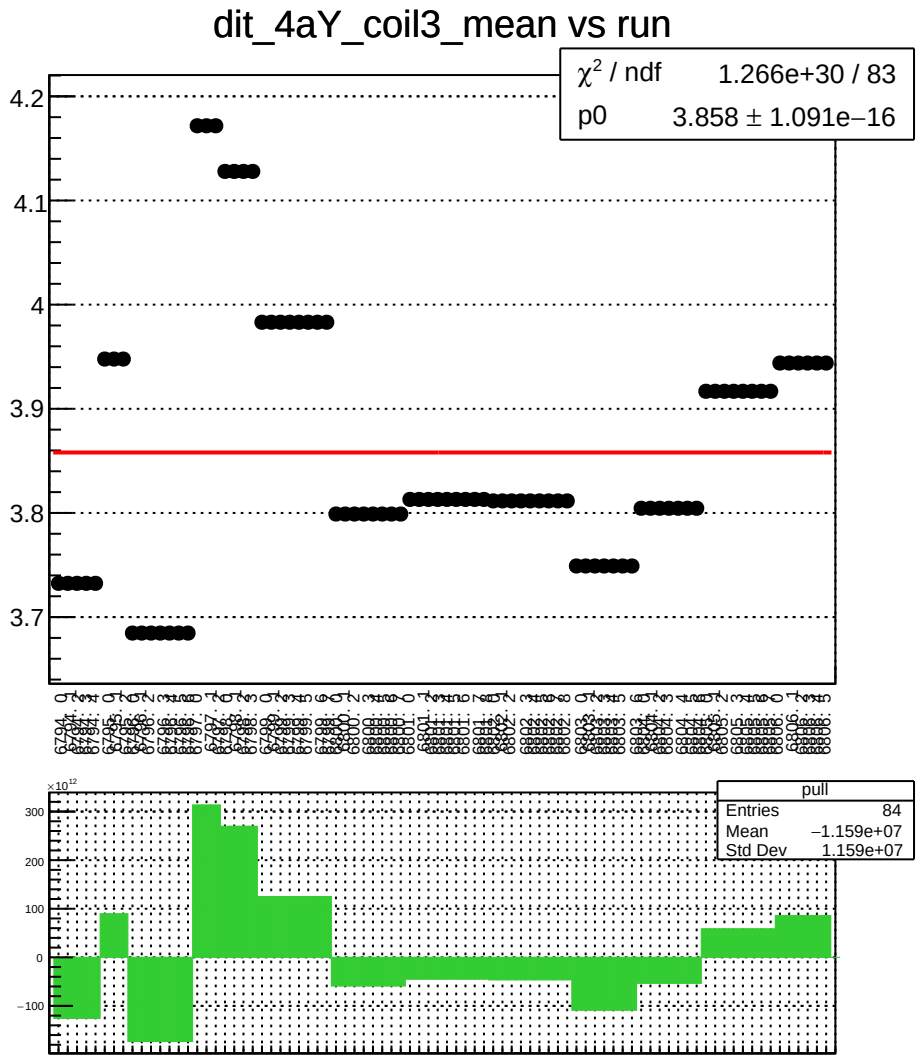

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

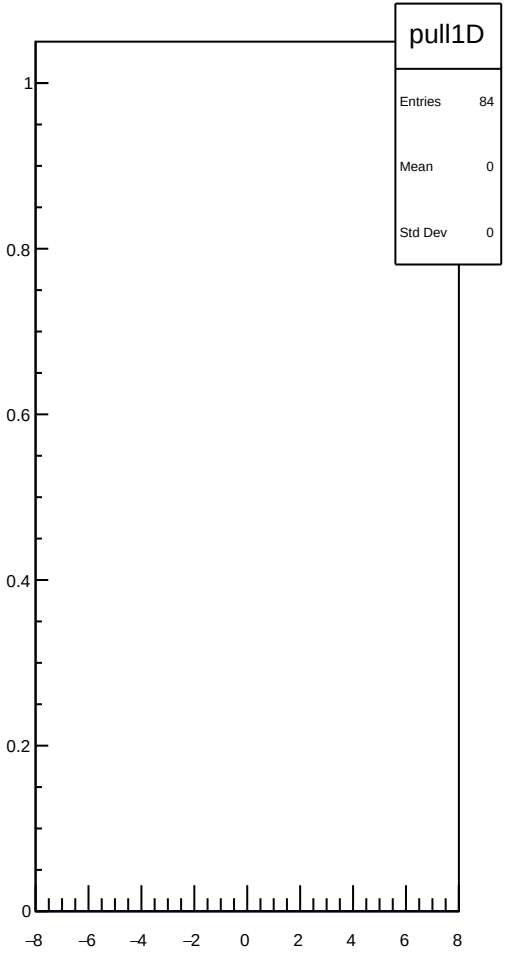

dit_11X12X_coil3_err_mean vs run
χ² / ndf 4.19e+32 / 83
p0 3.457 ± 1.091e−16
pull
Entries 84
Mean −4.624e+09
Std Dev 4.624e+09
×10¹²

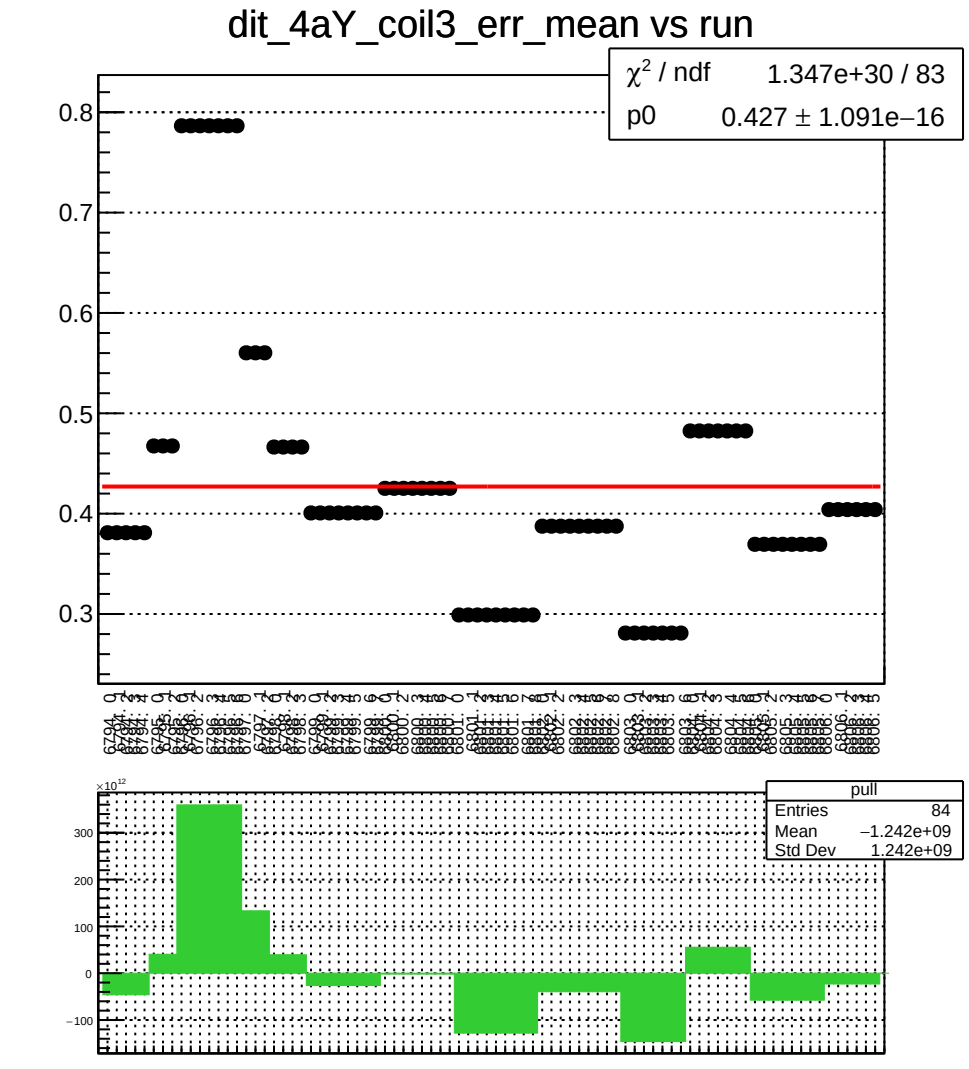

pull1D
Entries 84
Mean 0
Std Dev 0

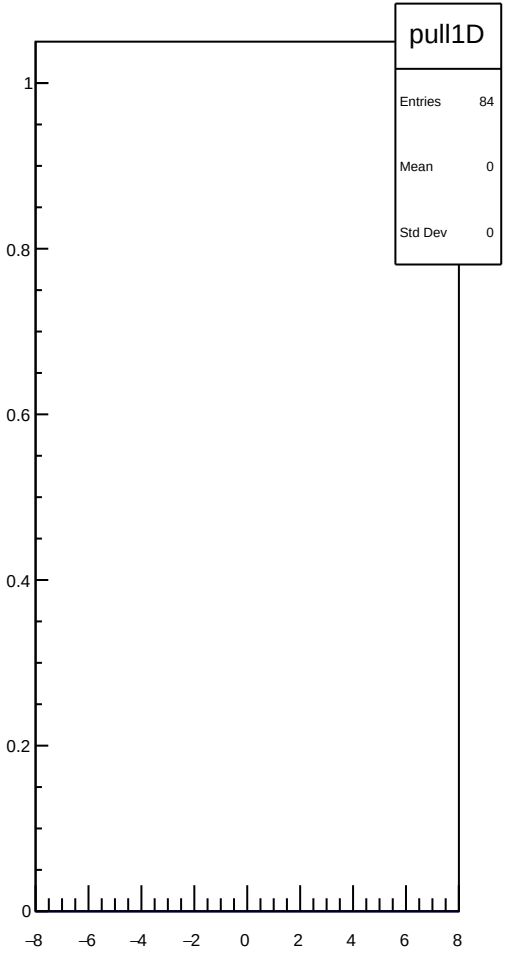

dit_11X12X_coil3_Ndata_mean vs run
χ² / ndf 1.632e+37 / 83
p0 1200 ± 1.091e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean 4.632e+15
Std Dev 4.632e+15
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800

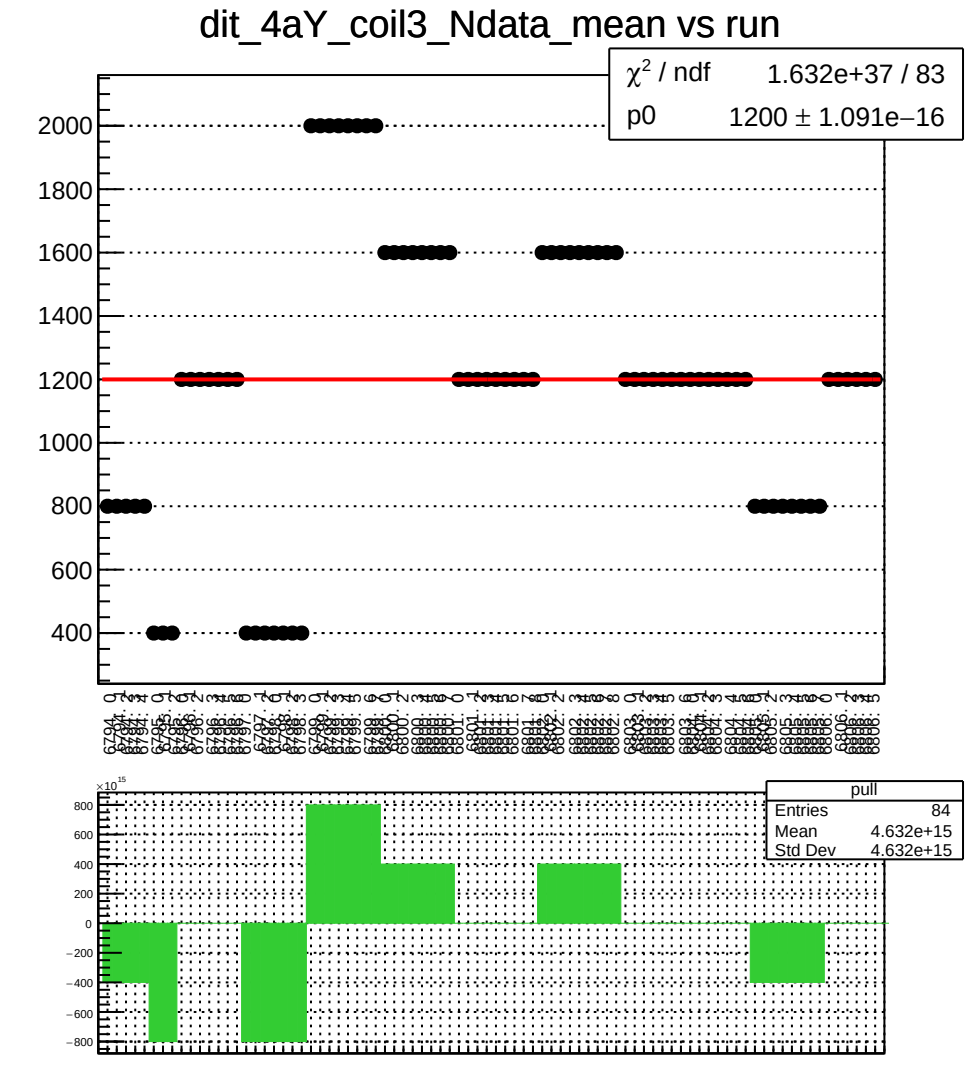

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

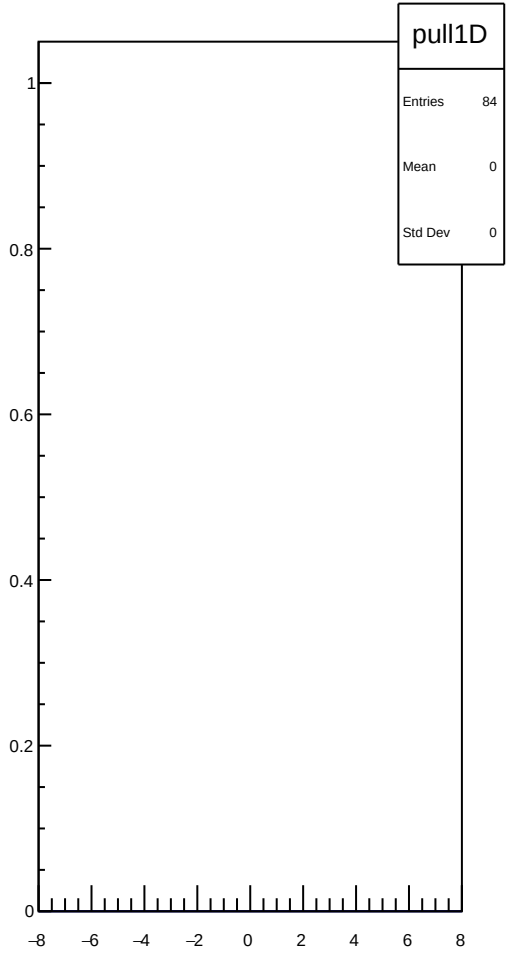

dit_4aY_coil3_mean vs run
χ² / ndf 1.266e+30 / 83
p0 3.858 ± 1.091e−16
4.2
4.1
4
3.9
3.8
3.7
pull
Entries 84
Mean −1.159e+07
Std Dev 1.159e+07
×10¹²
300
200
100
0
−100

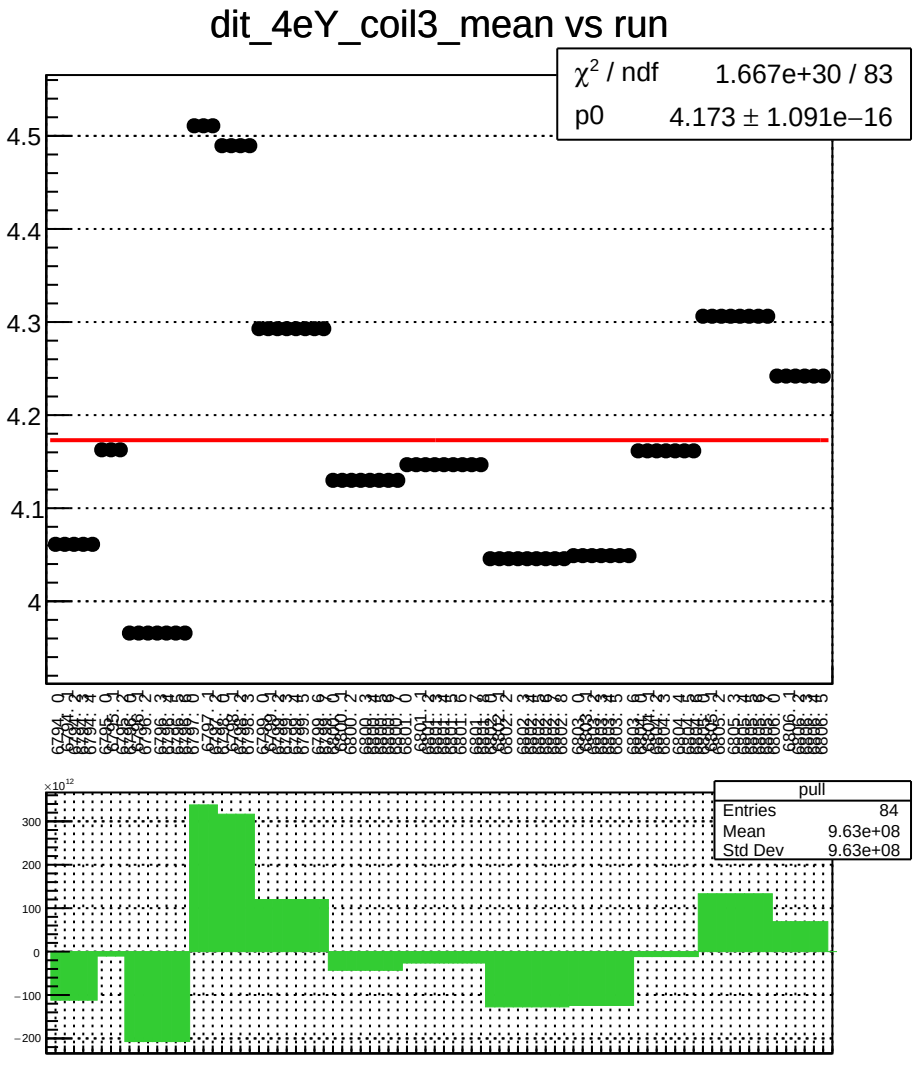

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

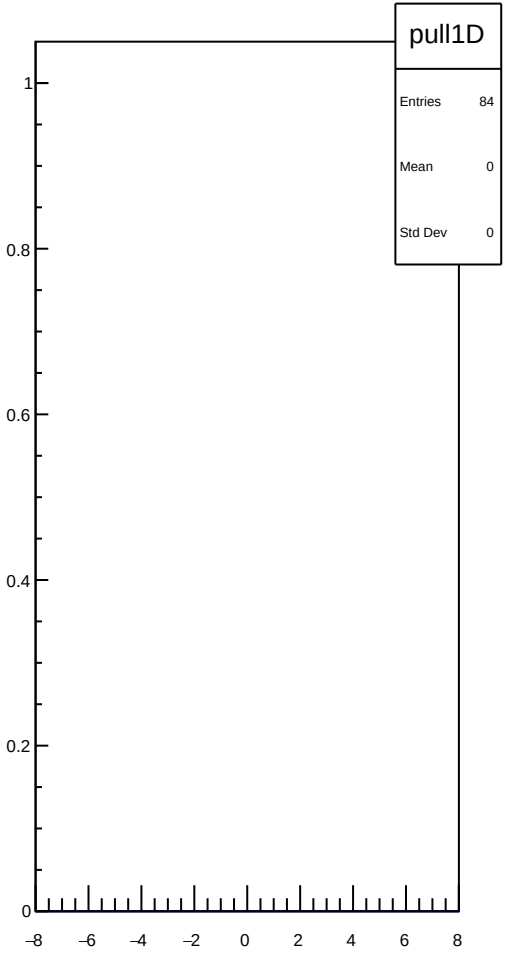

dit_4aY_coil3_err_mean vs run
χ² / ndf 1.347e+30 / 83
p0 0.427 ± 1.091e−16
0.8
0.7
0.6
0.5
0.4
0.3
×10¹²
300
200
100
0
−100
pull
Entries 84
Mean −1.242e+09
Std Dev 1.242e+09

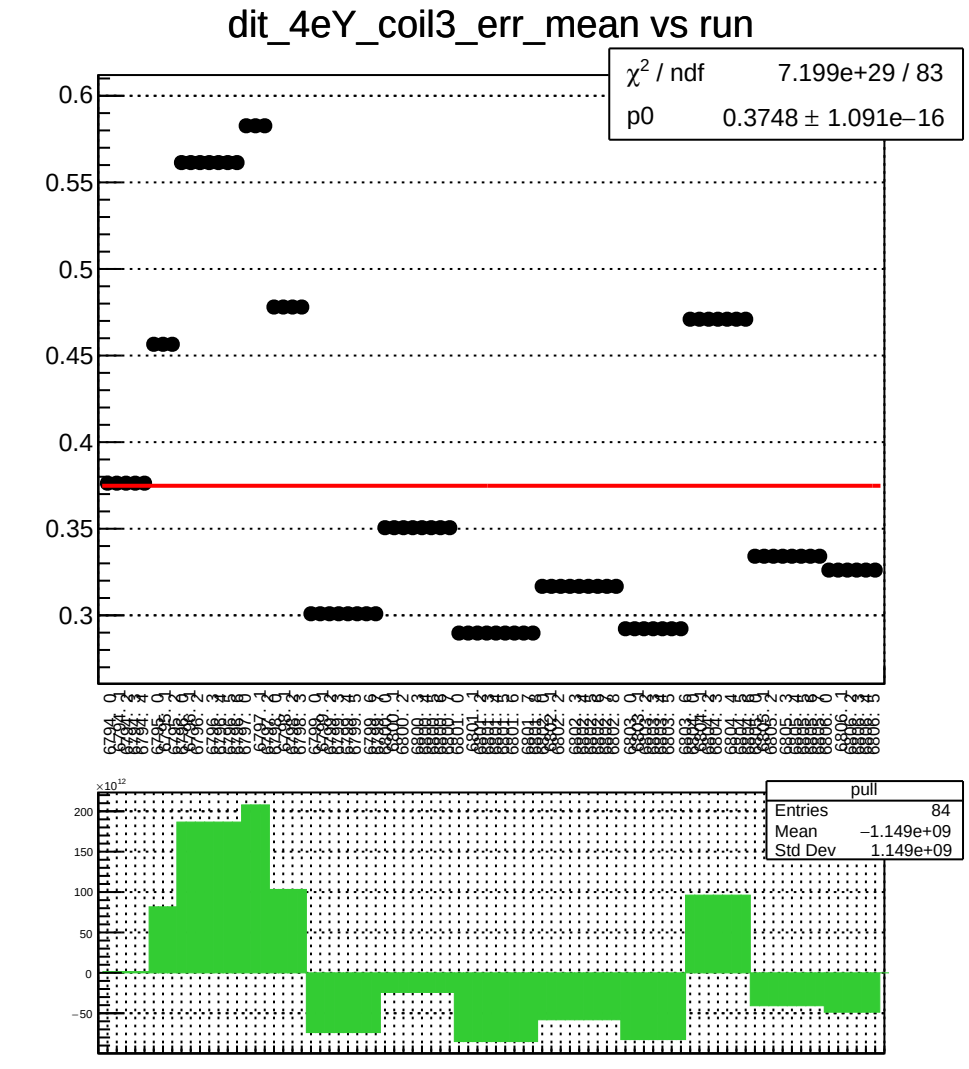

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

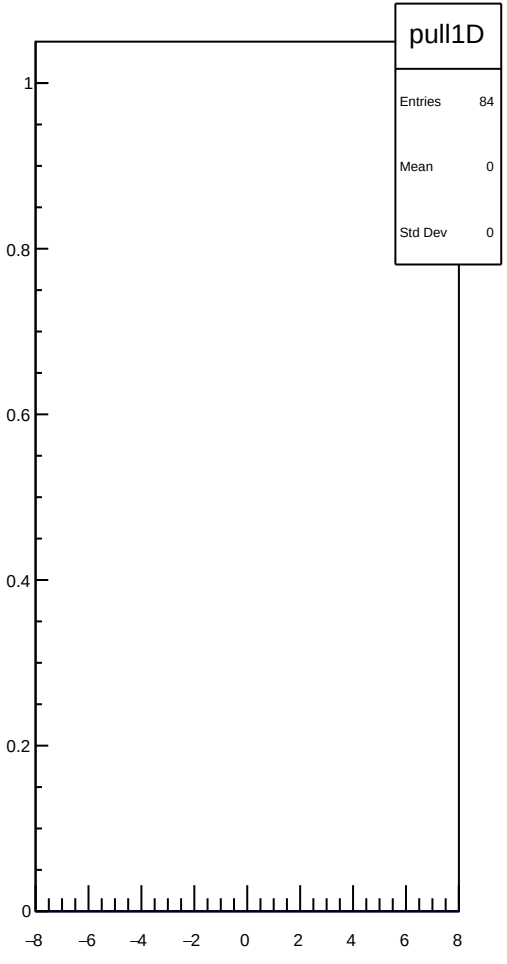

dit_4aY_coil3_Ndata_mean vs run
χ² / ndf 1.632e+37 / 83
p0 1200 ± 1.091e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean 4.632e+15
Std Dev 4.632e+15
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800

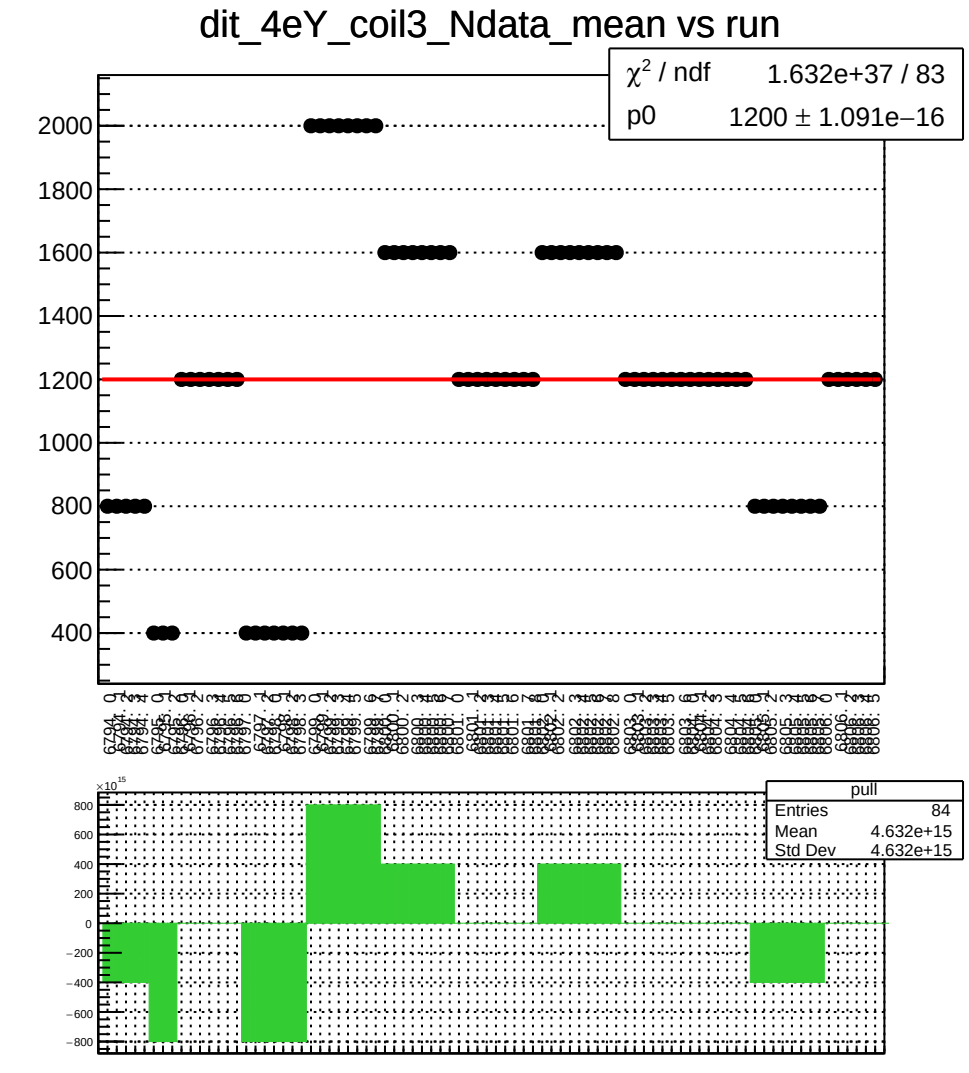

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

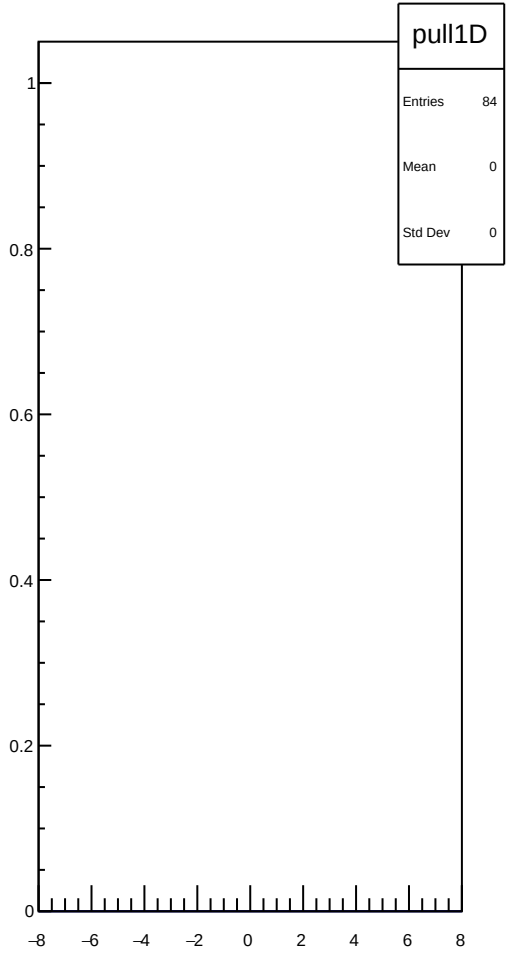

dit_4eY_coil3_mean vs run
χ² / ndf 1.667e+30 / 83
p0 4.173 ± 1.091e−16
4.5
4.4
4.3
4.2
4.1
4
pull
Entries 84
Mean 9.63e+08
Std Dev 9.63e+08
×10¹²
300
200
100
0
−100
−200

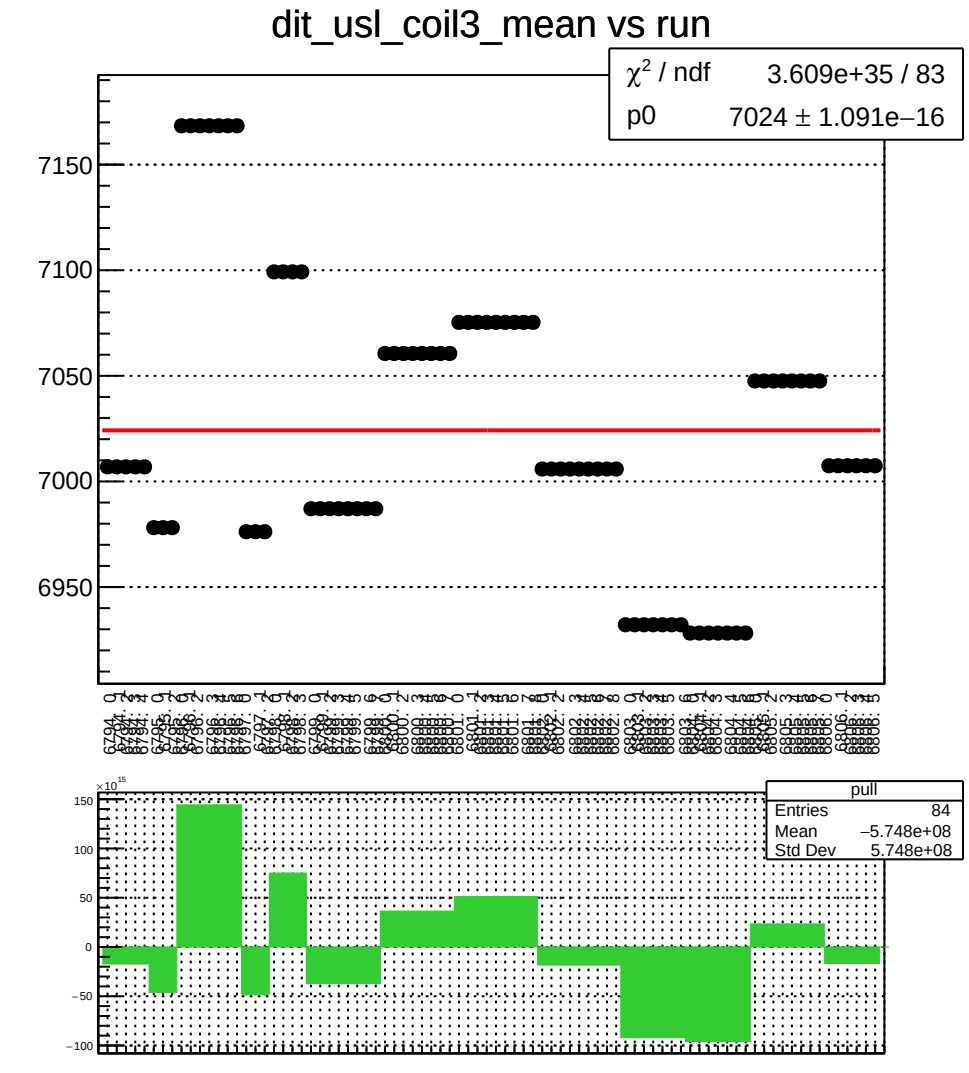

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

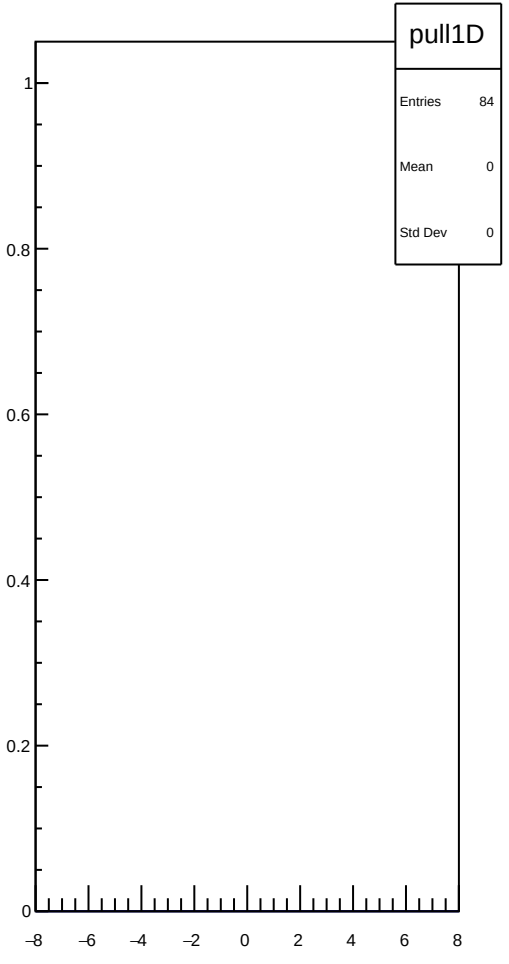

dit_4eY_coil3_err_mean vs run
χ² / ndf 7.199e+29 / 83
p0 0.3748 ± 1.091e−16
pull
Entries 84
Mean −1.149e+09
Std Dev 1.149e+09

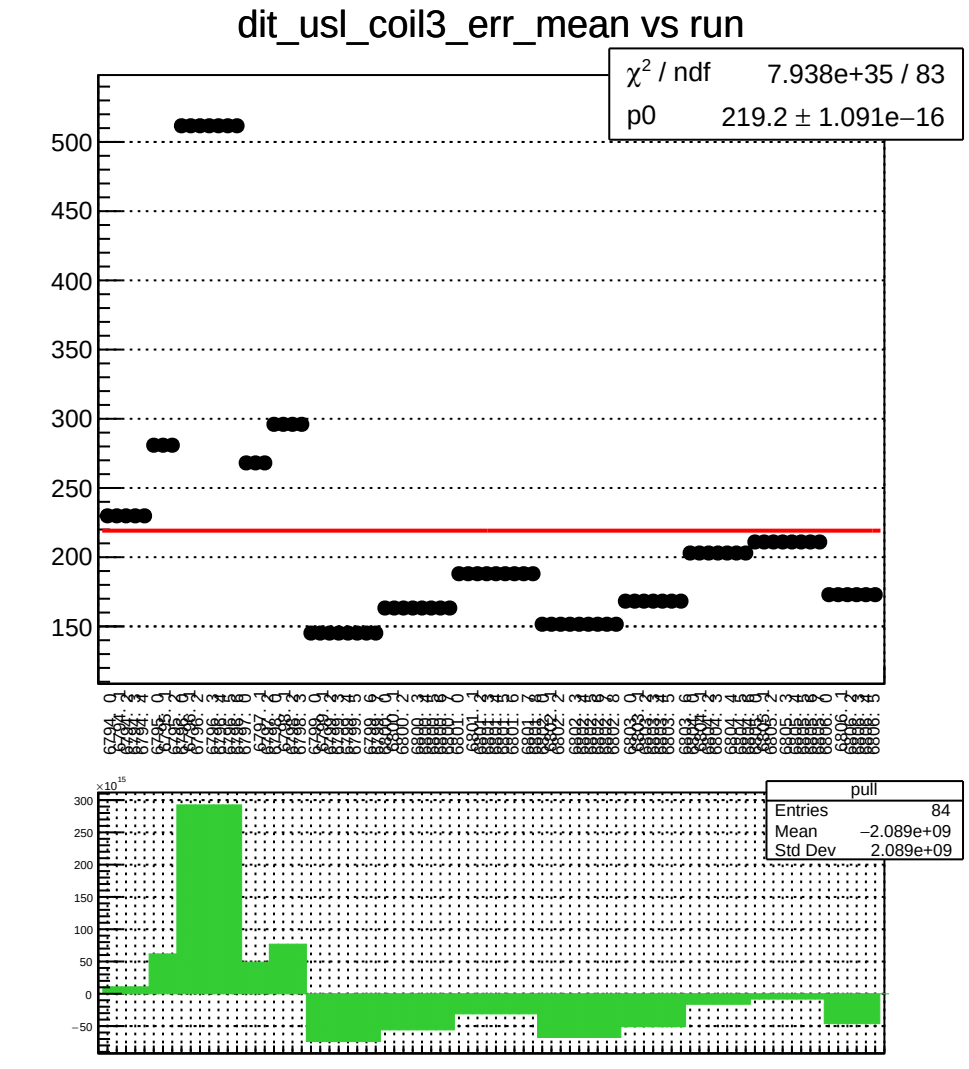

pull1D
Entries 84
Mean 0
Std Dev 0

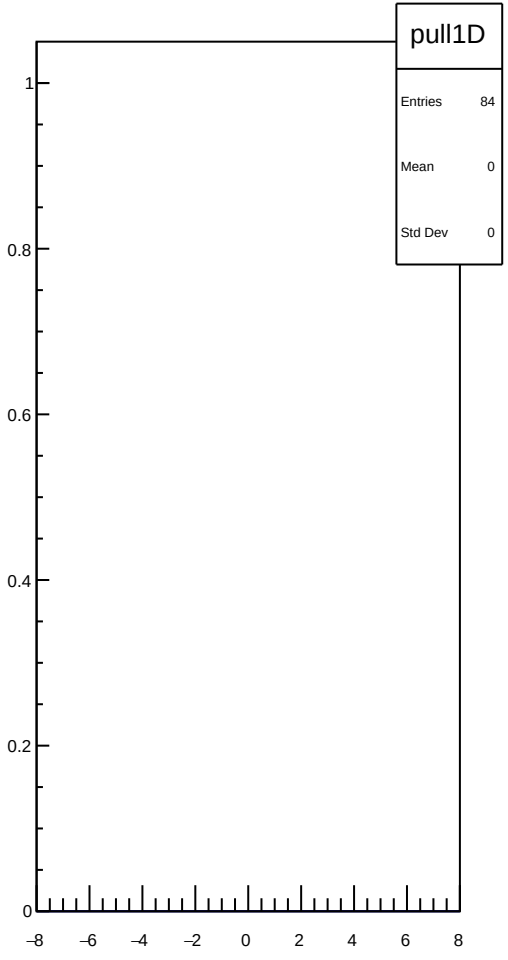

dit_4eY_coil3_Ndata_mean vs run
χ² / ndf 1.632e+37 / 83
p0 1200 ± 1.091e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean 4.632e+15
Std Dev 4.632e+15
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800

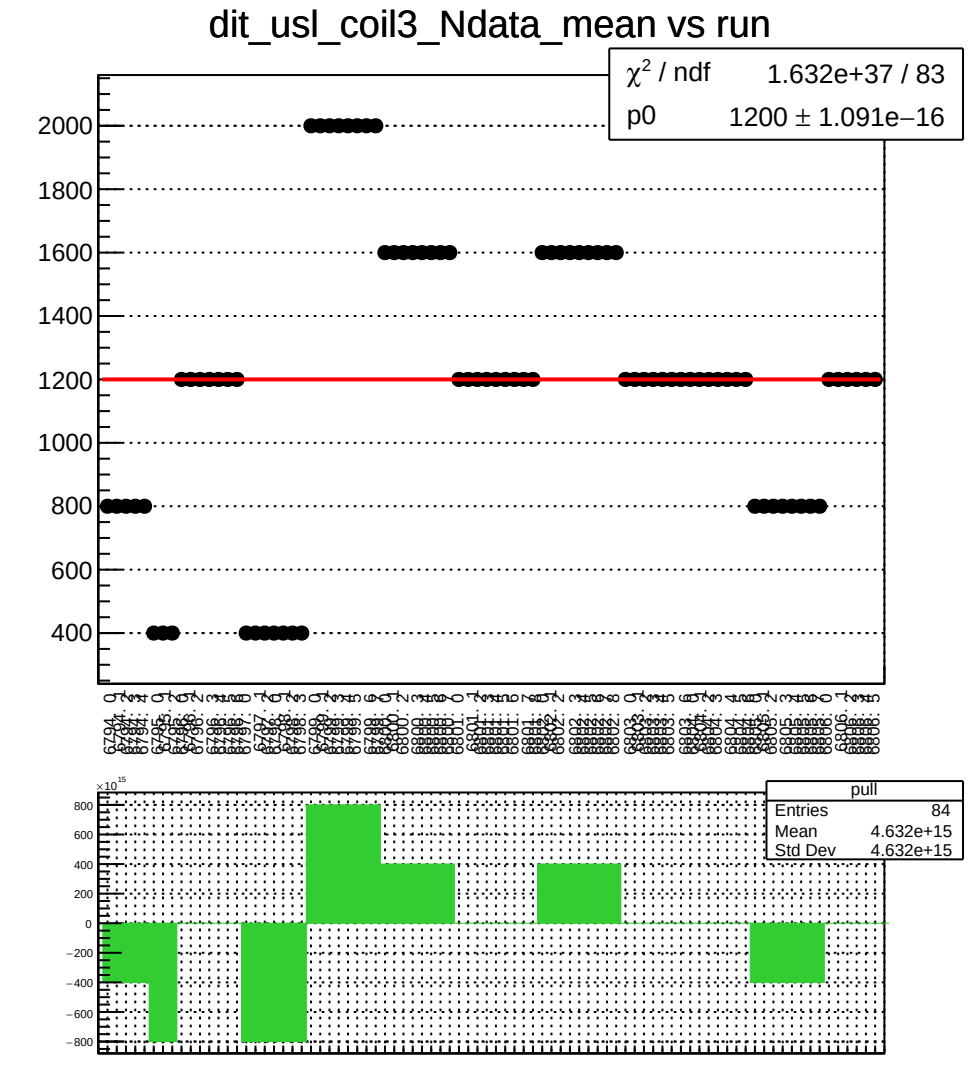

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

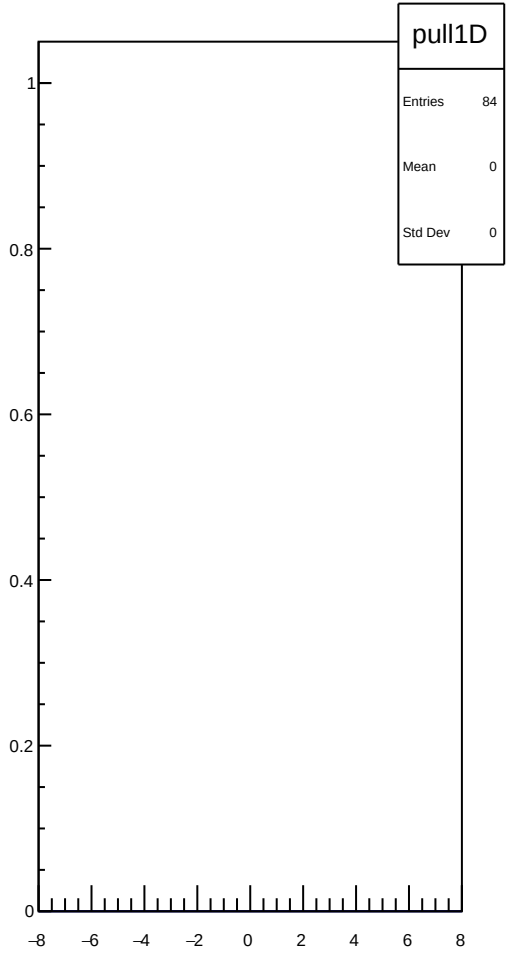

dit_usl_coil3_mean vs run
χ² / ndf 3.609e+35 / 83
p0 7024 ± 1.091e−16
7150
7100
7050
7000
6950
pull
Entries 84
Mean −5.748e+08
Std Dev 5.748e+08
×10¹⁵
150
100
50
0
−50
−100

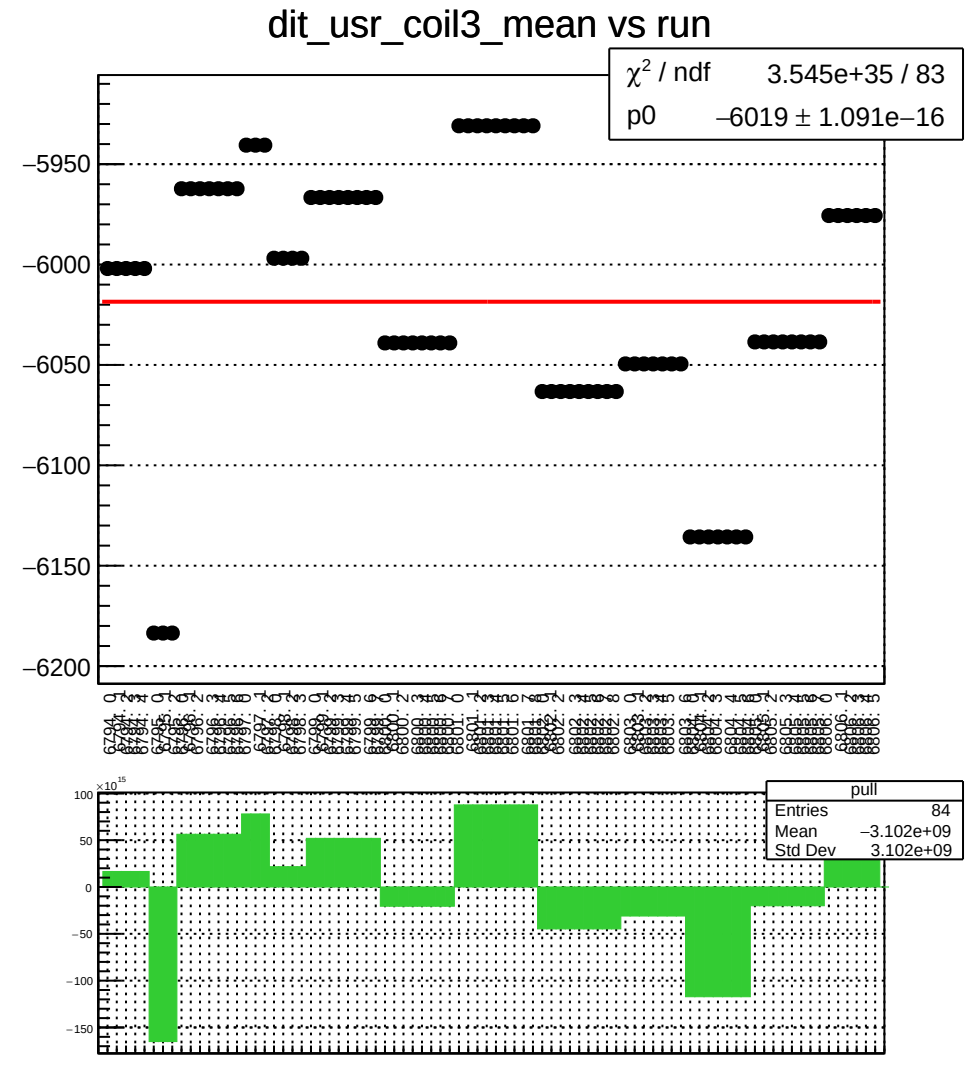

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

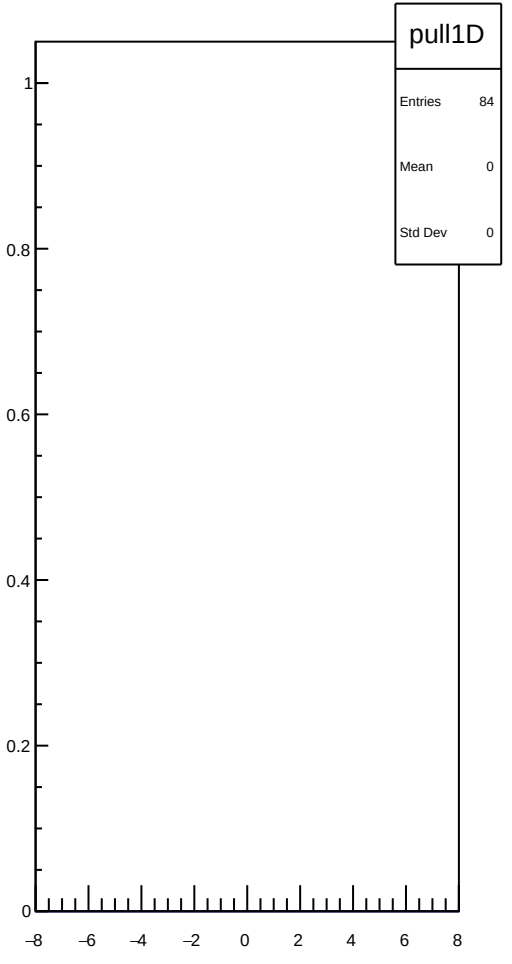

dit_usl_coil3_err_mean vs run
χ² / ndf 7.938e+35 / 83
p0 219.2 ± 1.091e−16
pull
Entries 84
Mean −2.089e+09
Std Dev 2.089e+09

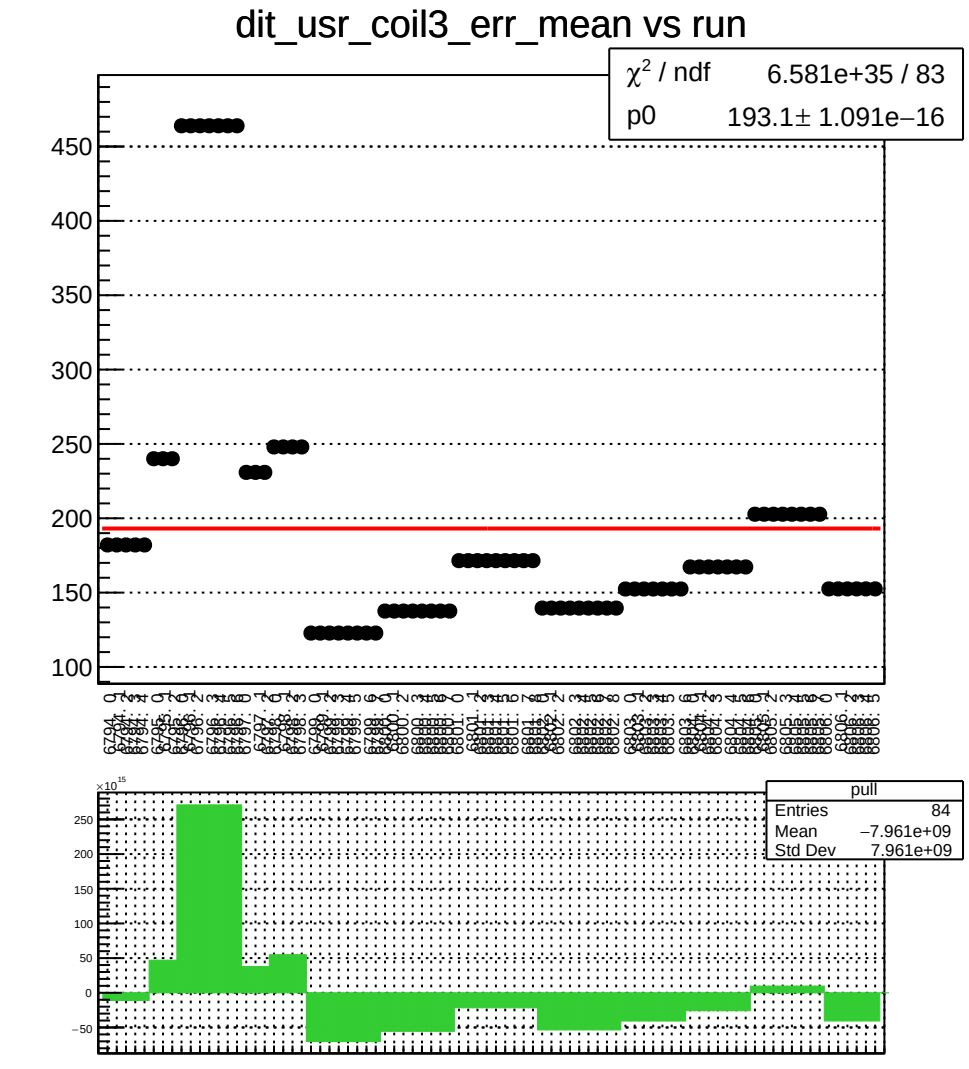

pull1D
Entries 84
Mean 0
Std Dev 0

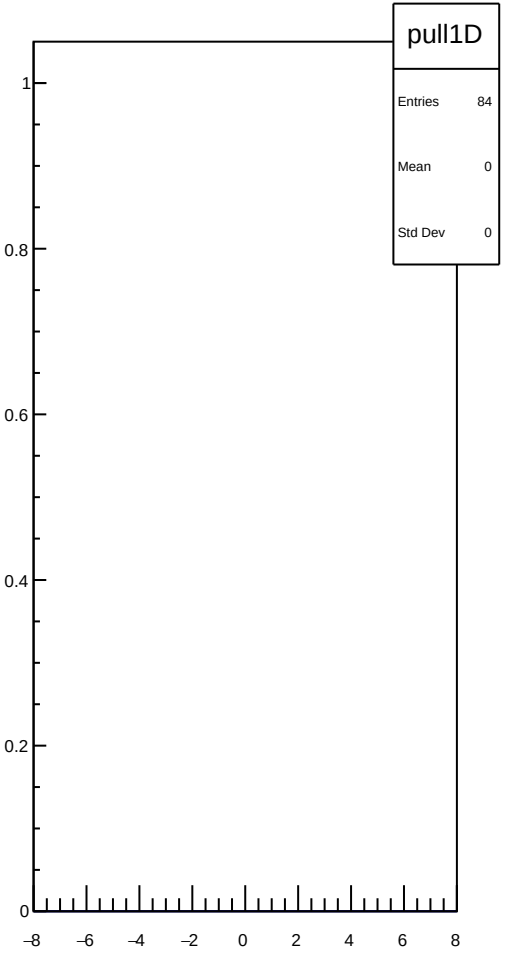

dit_usl_coil3_Ndata_mean vs run
χ² / ndf 1.632e+37 / 83
p0 1200 ± 1.091e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean 4.632e+15
Std Dev 4.632e+15
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800

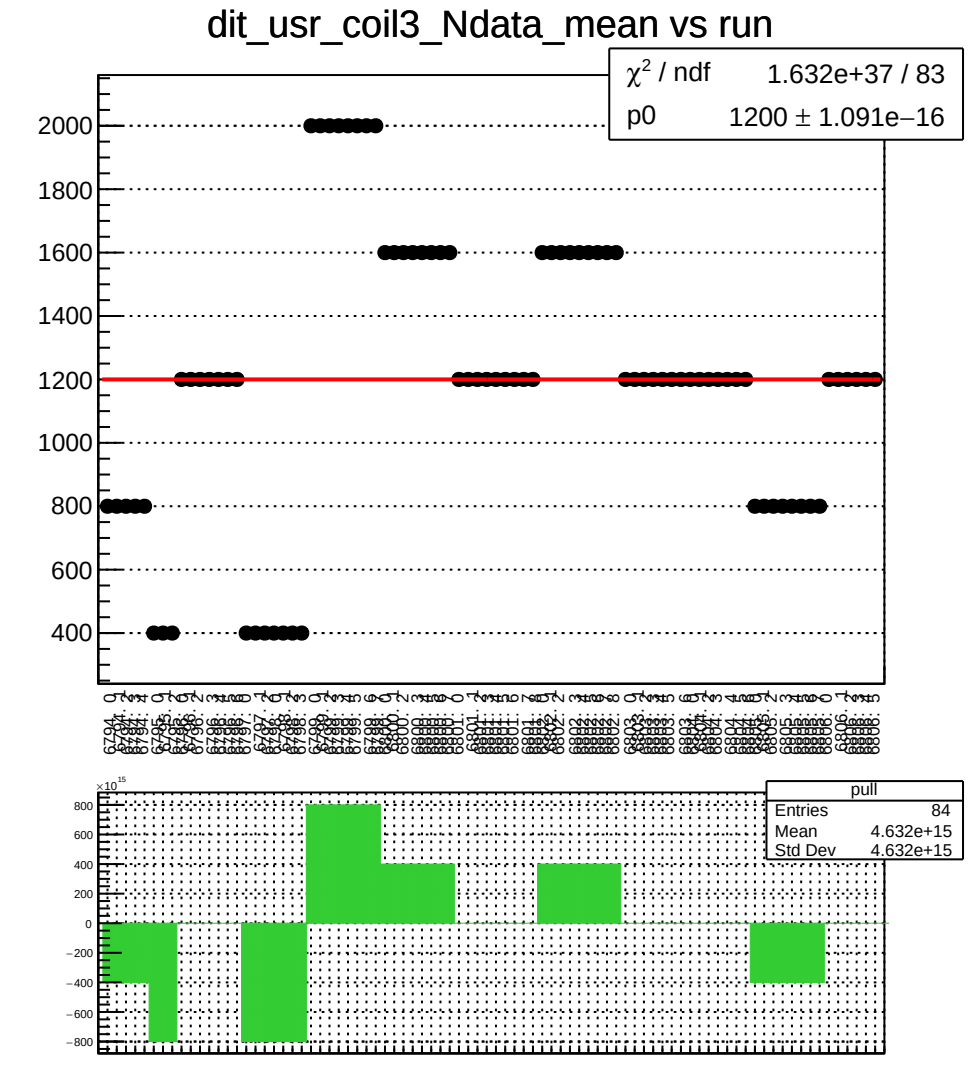

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

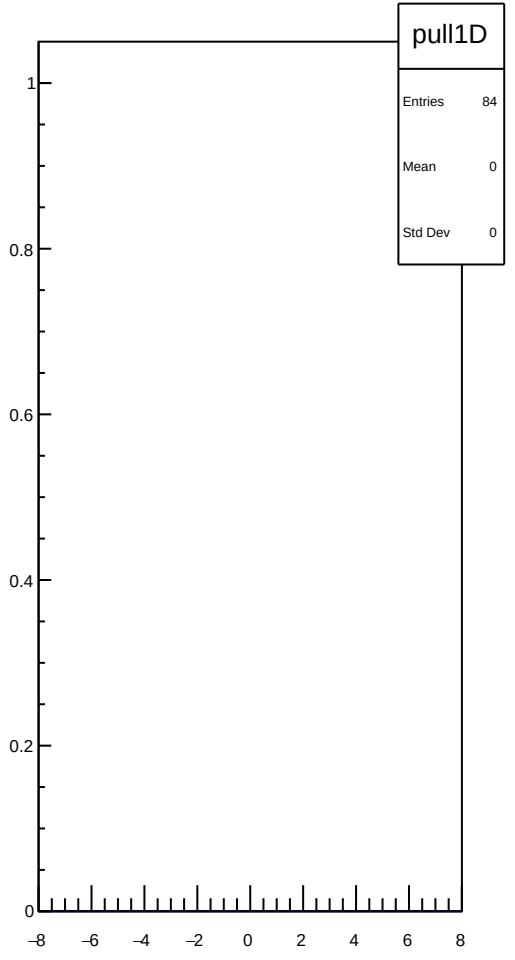

dit_usr_coil3_mean vs run
χ² / ndf 3.545e+35 / 83
p0 −6019 ± 1.091e−16
−5950
−6000
−6050
−6100
−6150
−6200
pull
Entries 84
Mean −3.102e+09
Std Dev 3.102e+09
×10¹⁵
100
50
0
−50
−100
−150

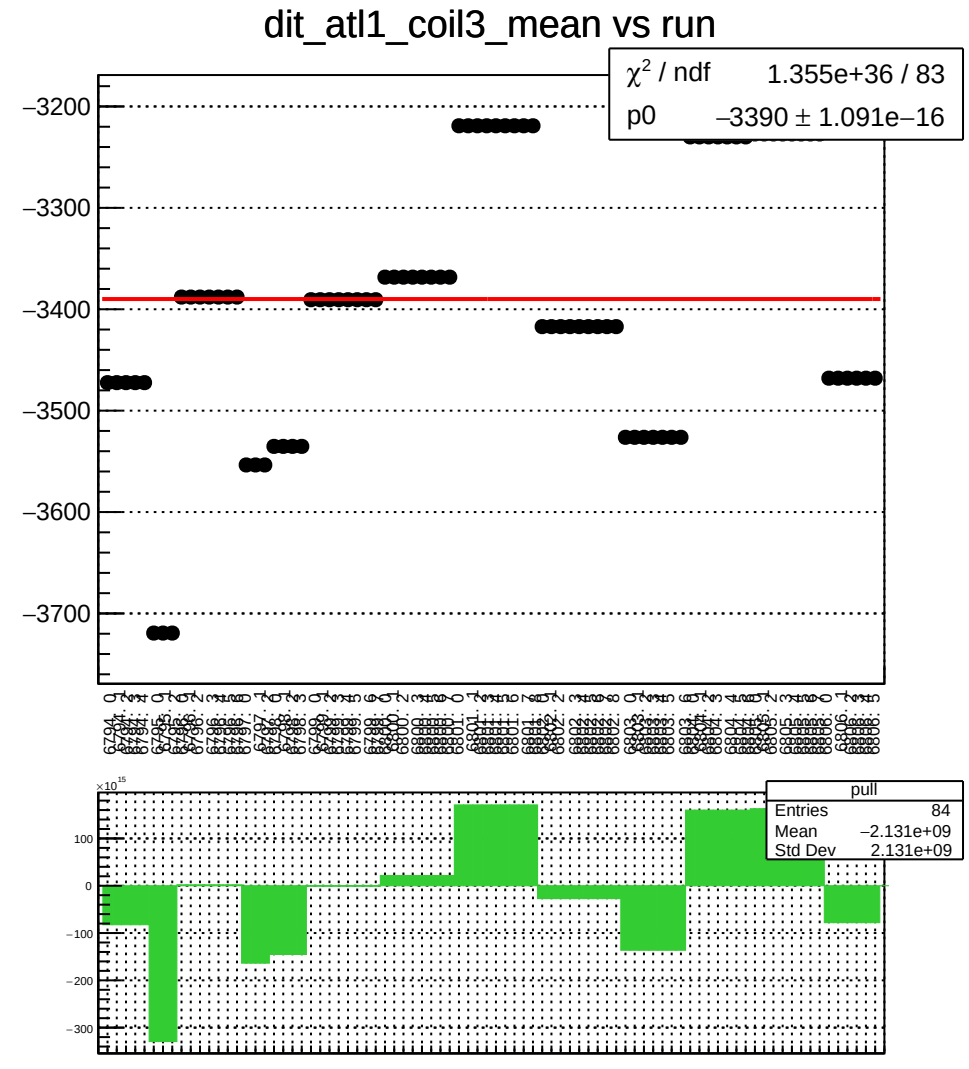

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

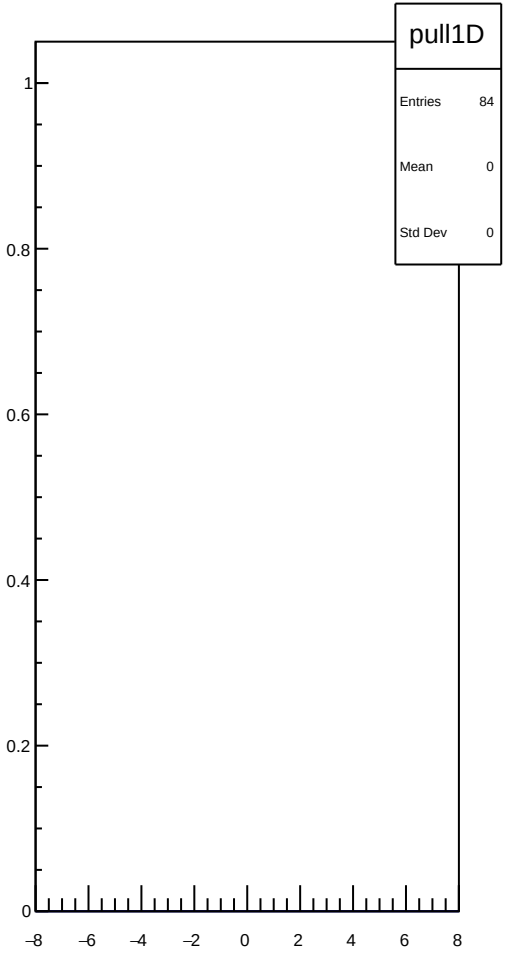

dit_usr_coil3_err_mean vs run
χ² / ndf 6.581e+35 / 83
p0 193.1± 1.091e−16
pull
Entries 84
Mean −7.961e+09
Std Dev 7.961e+09

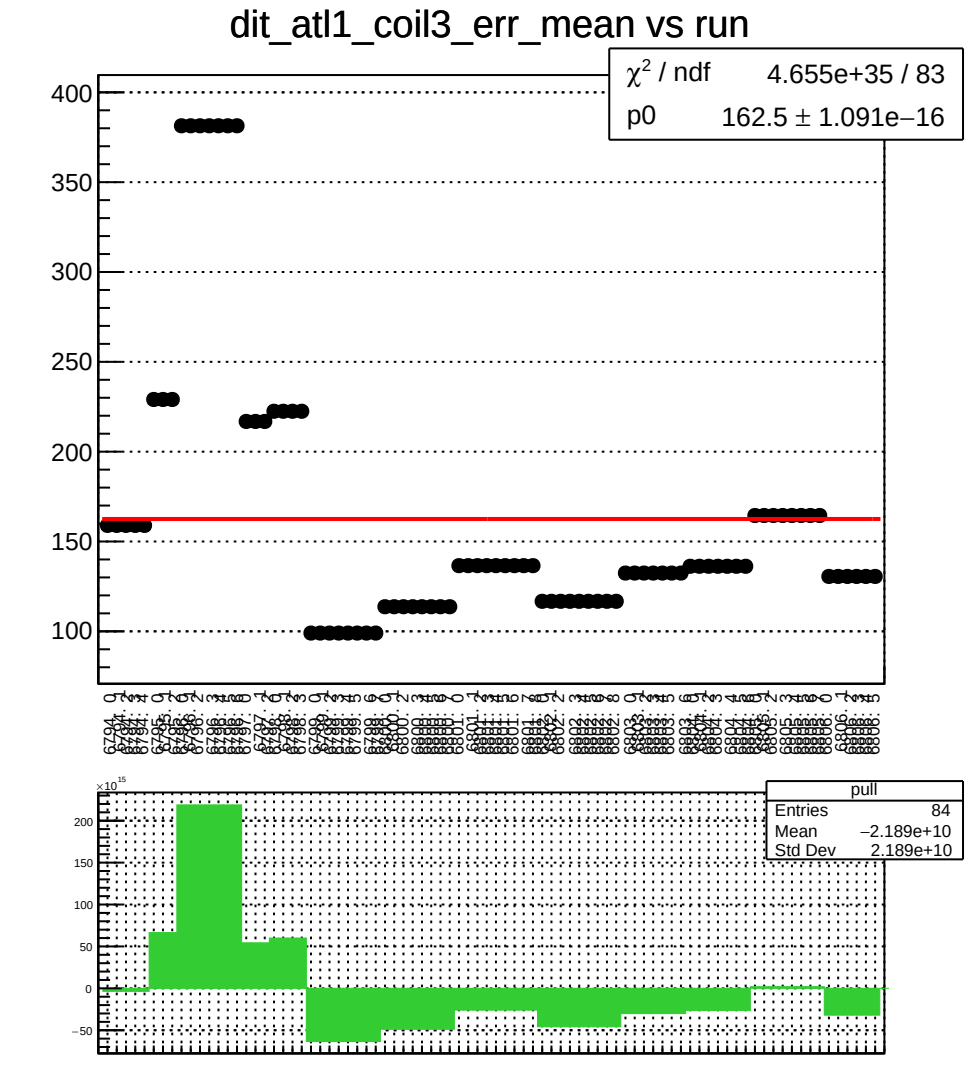

pull1D
Entries 84
Mean 0
Std Dev 0

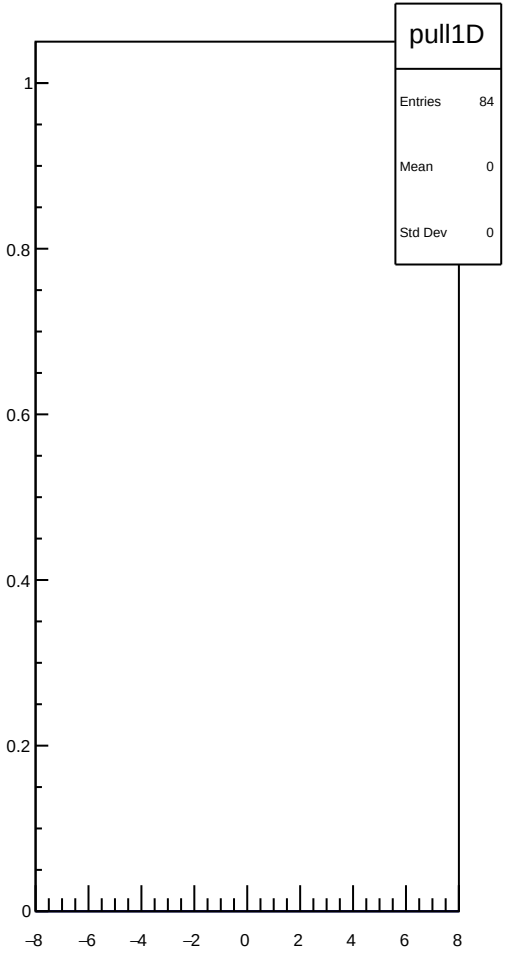

dit_usr_coil3_Ndata_mean vs run
χ² / ndf 1.632e+37 / 83
p0 1200 ± 1.091e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean 4.632e+15
Std Dev 4.632e+15
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800

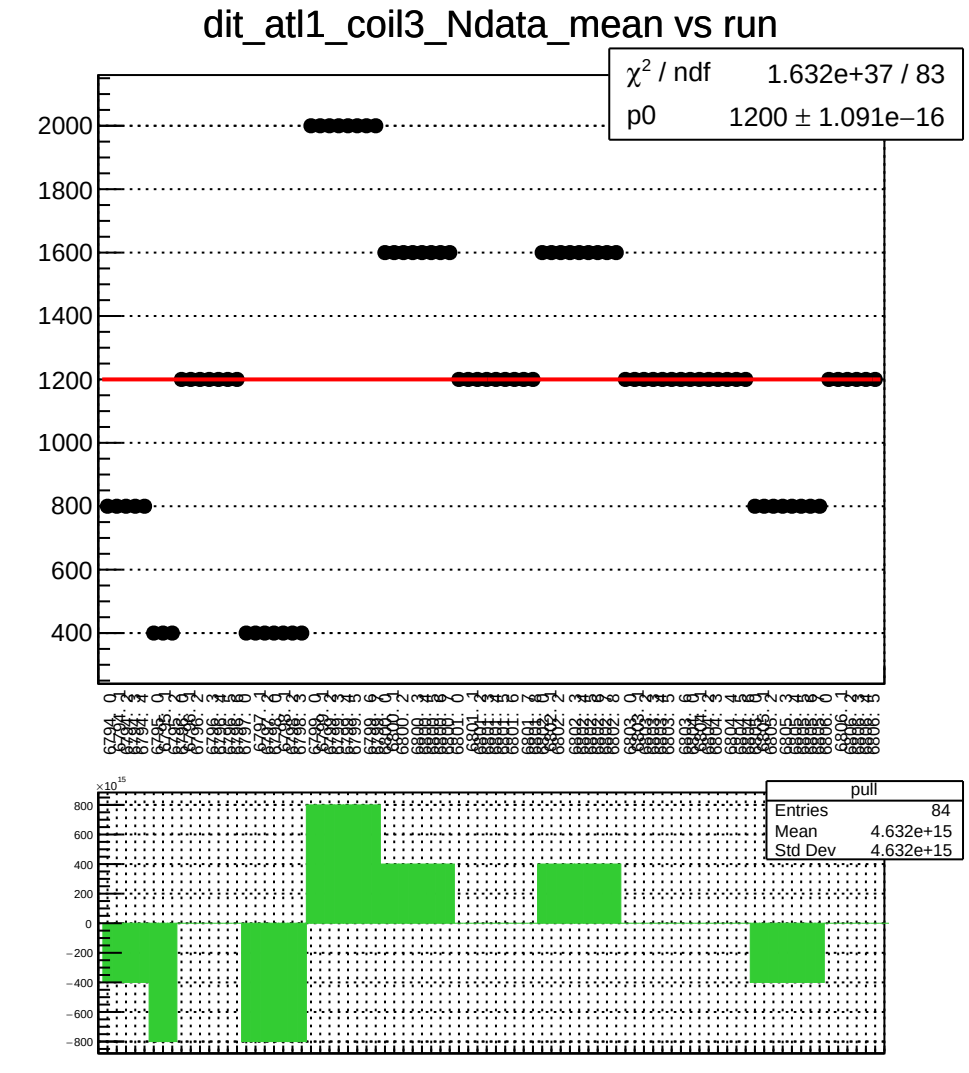

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

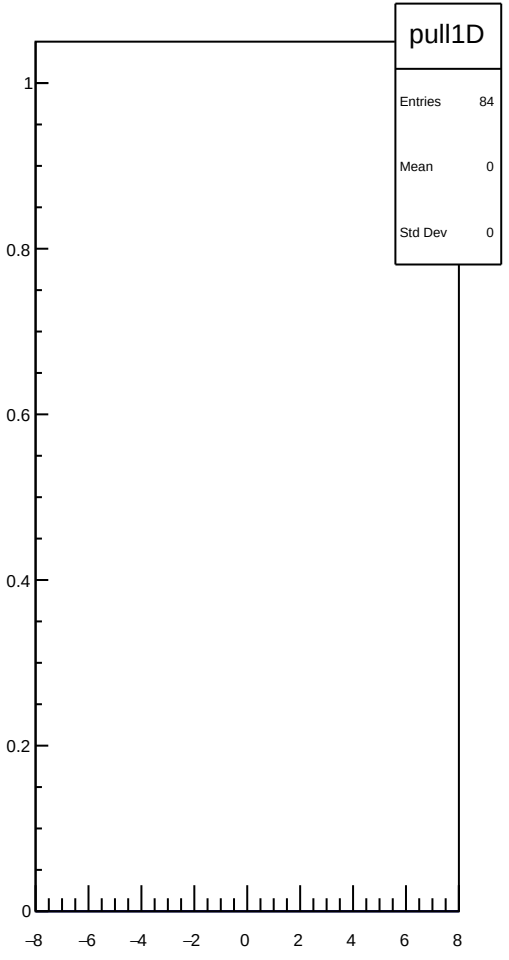

dit_atl1_coil3_mean vs run
χ² / ndf 1.355e+36 / 83
p0 −3390 ± 1.091e−16
−3200
−3300
−3400
−3500
−3600
−3700
pull
Entries 84
Mean −2.131e+09
Std Dev 2.131e+09
×10¹⁵
100
0
−100
−200
−300

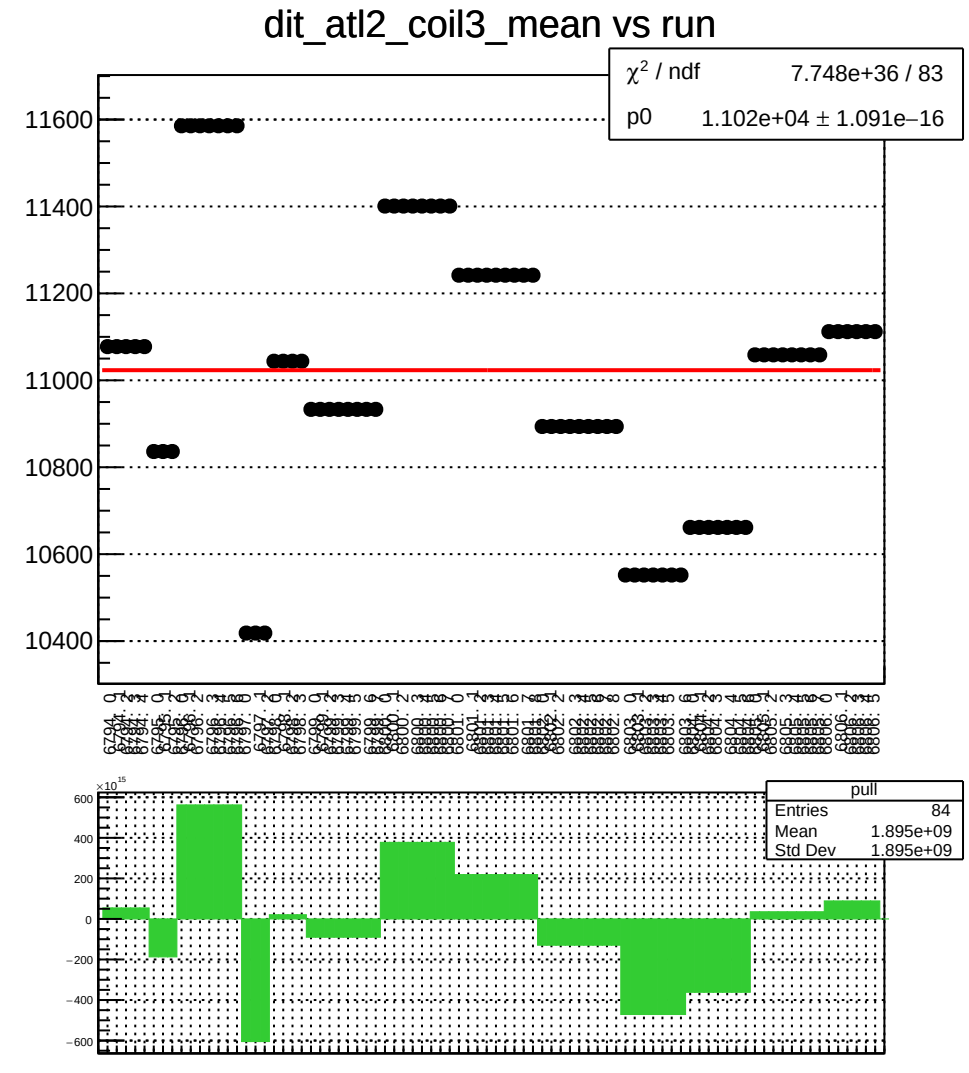

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

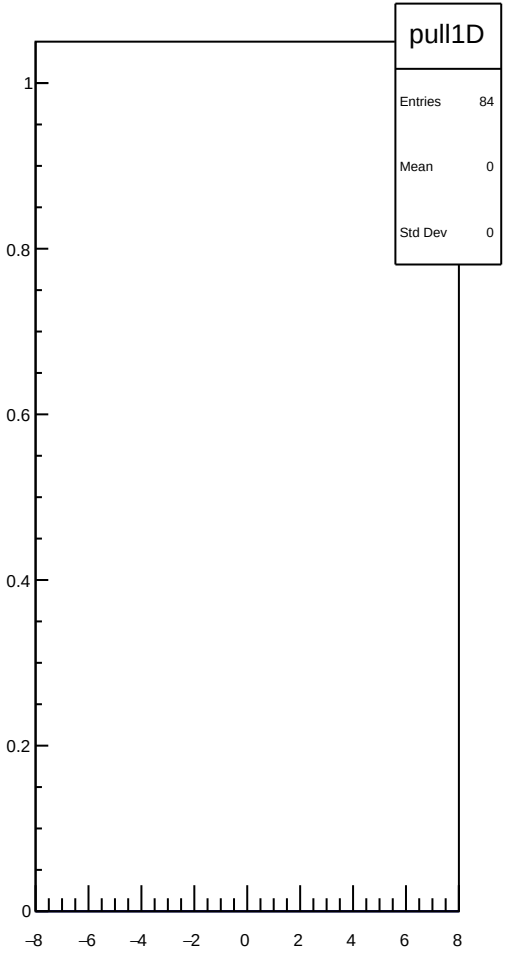

dit_atl1_coil3_err_mean vs run
χ² / ndf 4.655e+35 / 83
p0 162.5 ± 1.091e−16
400
350
300
250
200
150
100
pull
Entries 84
Mean −2.189e+10
Std Dev 2.189e+10
×10¹⁵
200
150
100
50
0
−50

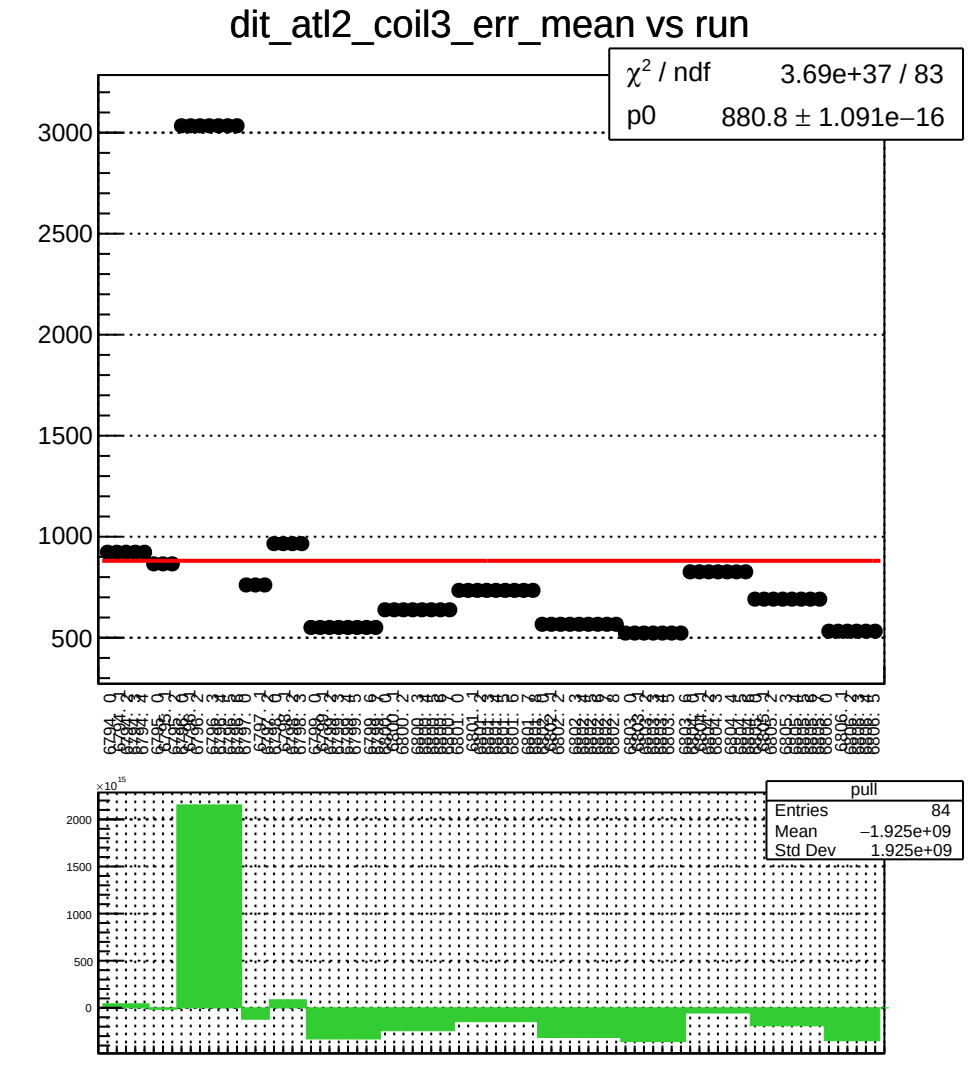

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

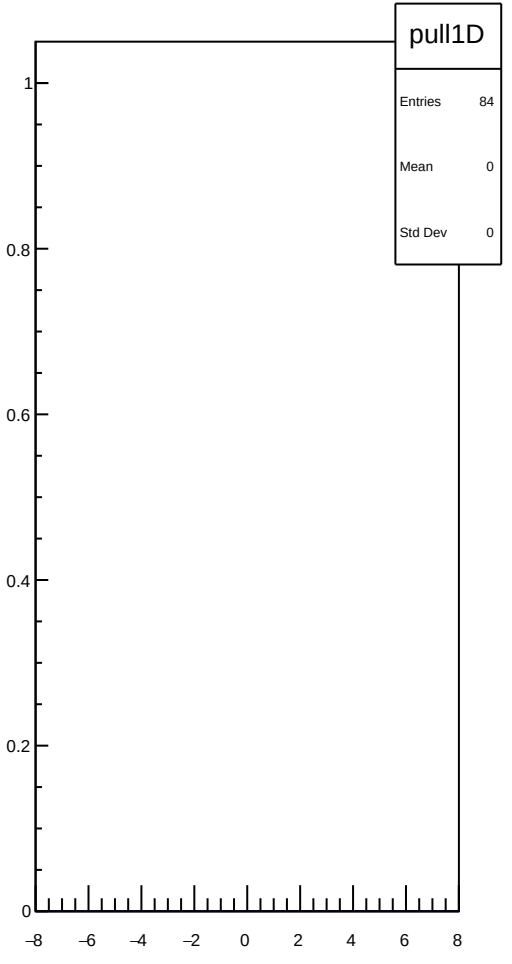

dit_atl1_coil3_Ndata_mean vs run
χ² / ndf 1.632e+37 / 83
p0 1200 ± 1.091e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean 4.632e+15
Std Dev 4.632e+15
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800

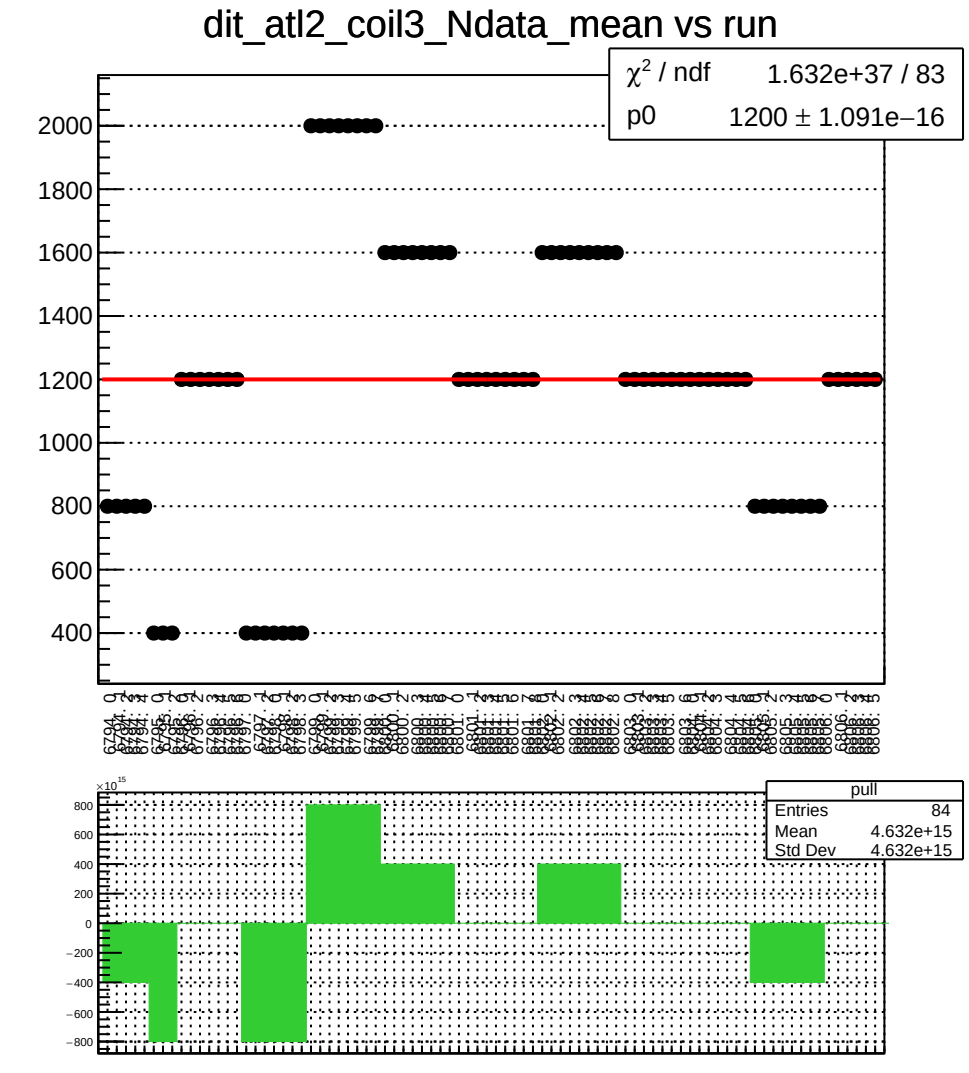

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

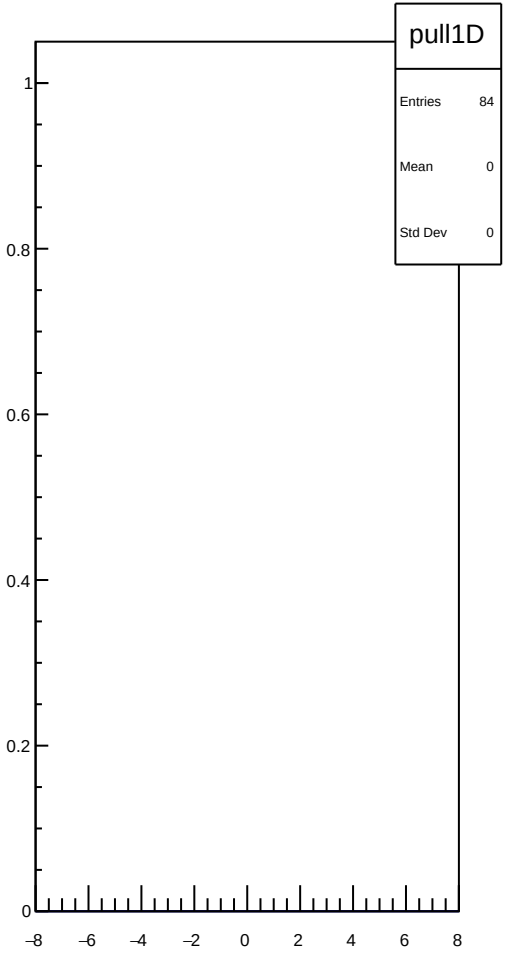

dit_atl2_coil3_mean vs run
χ² / ndf 7.748e+36 / 83
p0 1.102e+04 ± 1.091e−16
11600
11400
11200
11000
10800
10600
10400
pull
Entries 84
Mean 1.895e+09
Std Dev 1.895e+09
×10¹⁵
600
400
200
0
−200
−400
−600

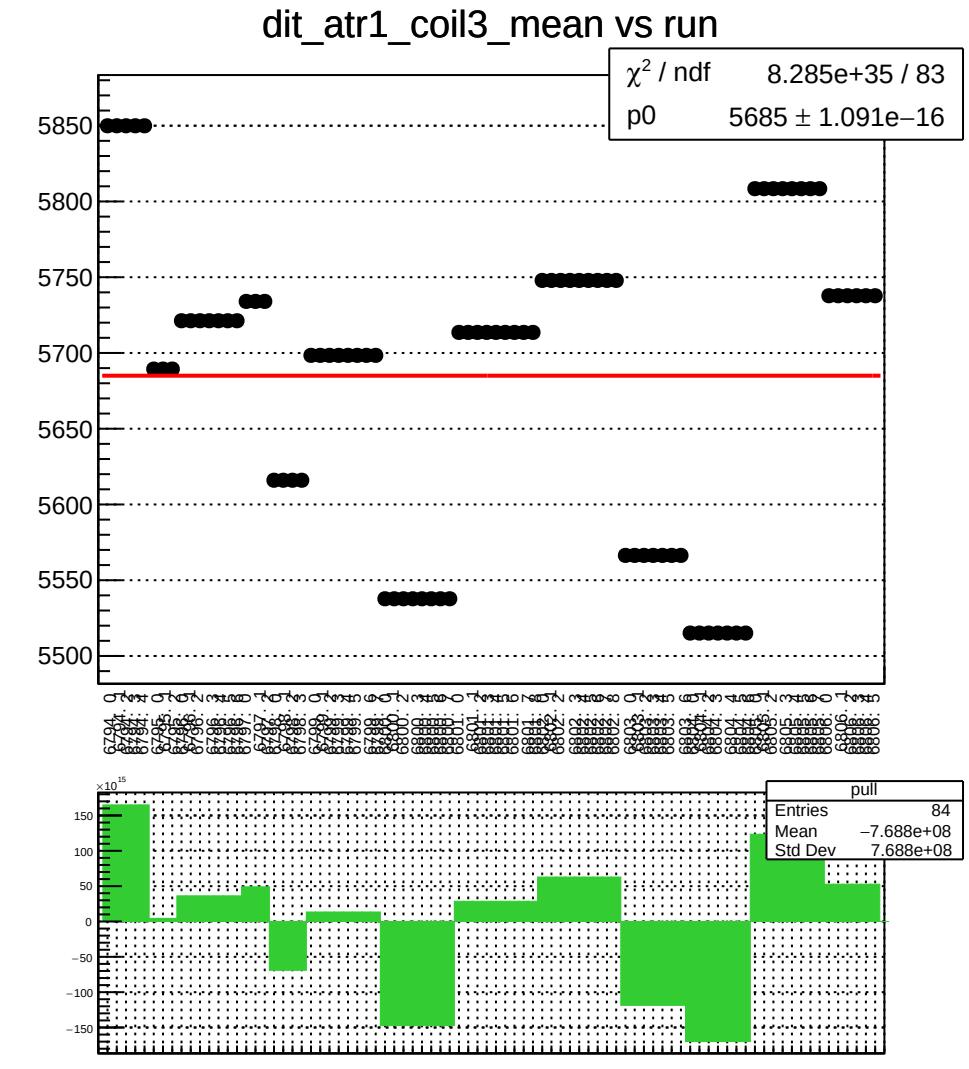

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

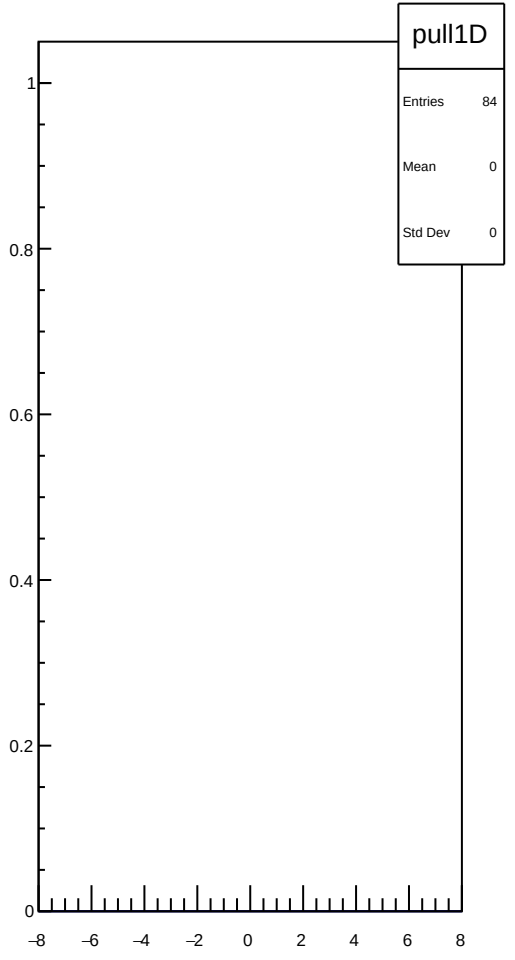

dit_atl2_coil3_err_mean vs run
χ² / ndf 3.69e+37 / 83
p0 880.8 ± 1.091e−16
3000
2500
2000
1500
1000
500
pull
Entries 84
Mean −1.925e+09
Std Dev 1.925e+09
×10¹⁵
2000
1500
1000
500
0

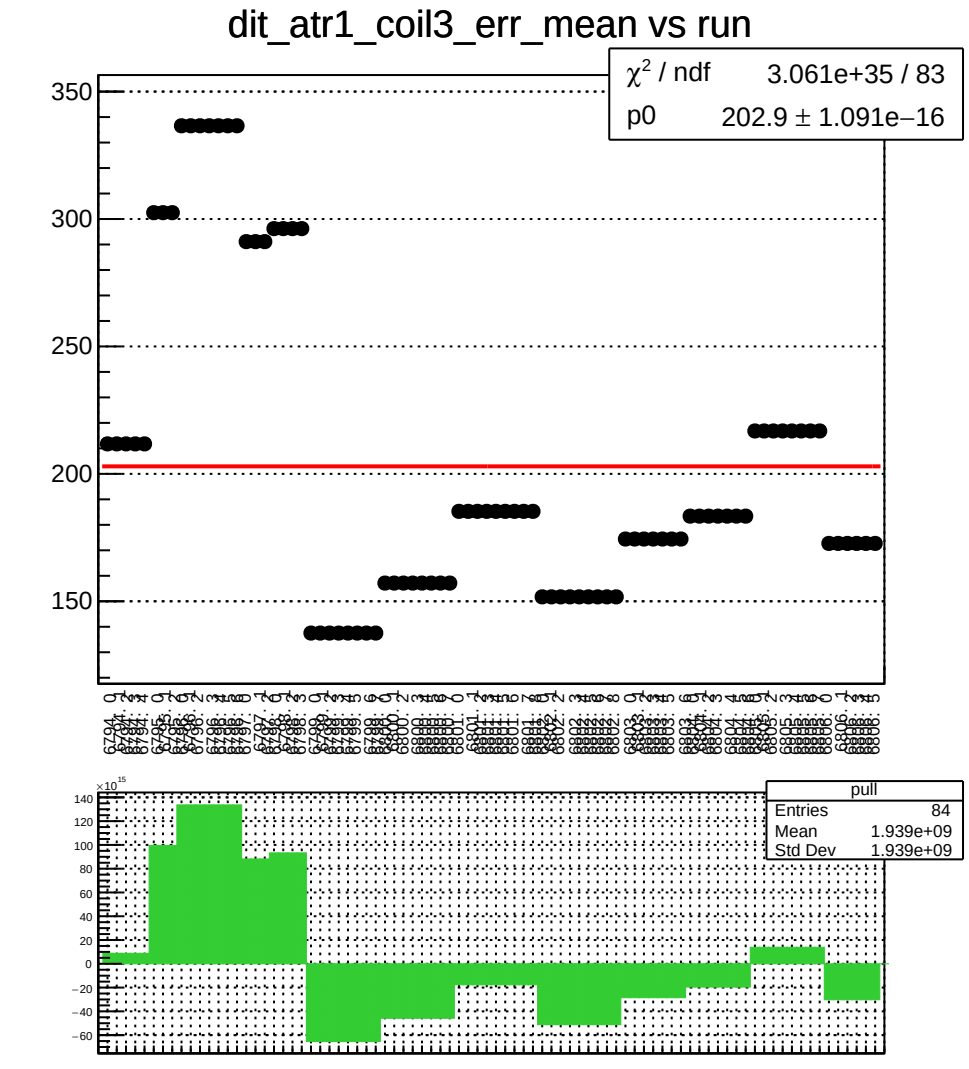

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

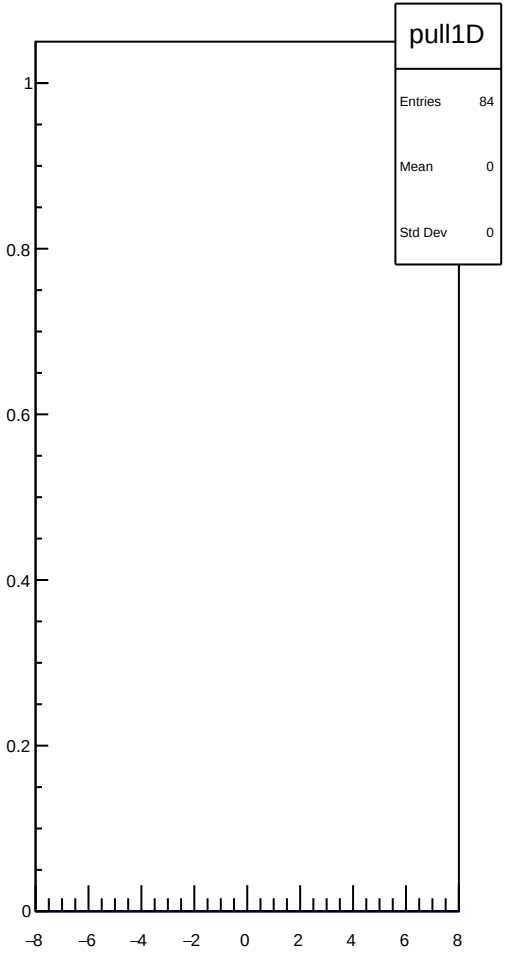

dit_atl2_coil3_Ndata_mean vs run
χ² / ndf 1.632e+37 / 83
p0 1200 ± 1.091e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean 4.632e+15
Std Dev 4.632e+15
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800

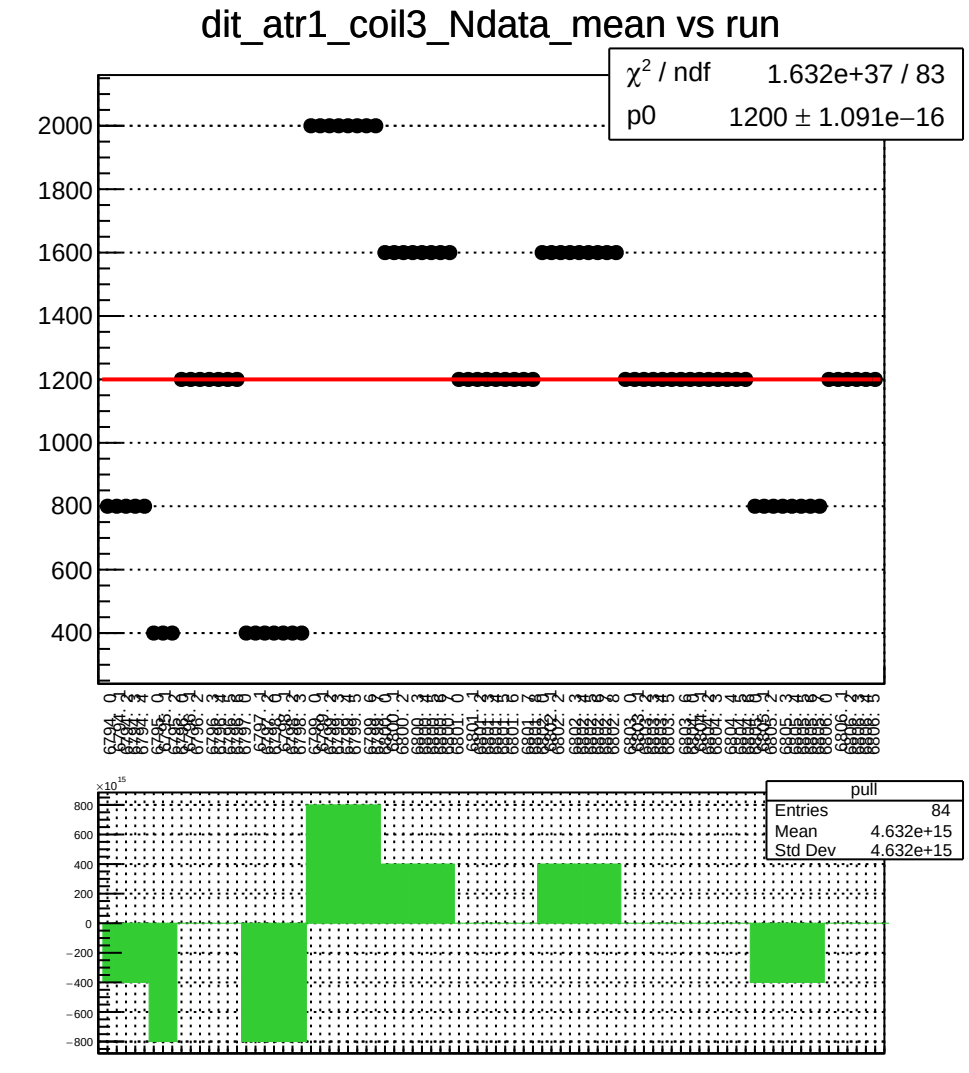

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

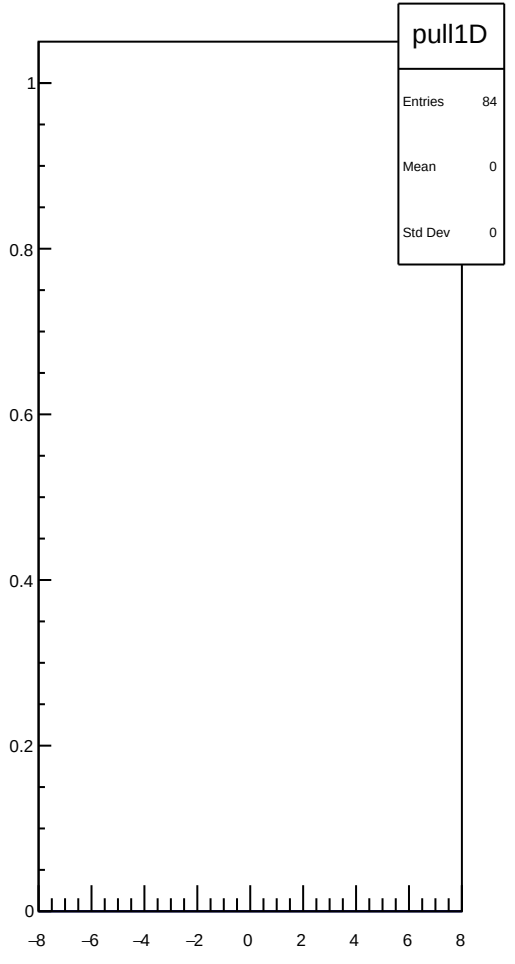

dit_atr1_coil3_mean vs run
χ² / ndf 8.285e+35 / 83
p0 5685 ± 1.091e−16
5850
5800
5750
5700
5650
5600
5550
5500
pull
Entries 84
Mean −7.688e+08
Std Dev 7.688e+08
×10¹⁵
150
100
50
0
−50
−100
−150

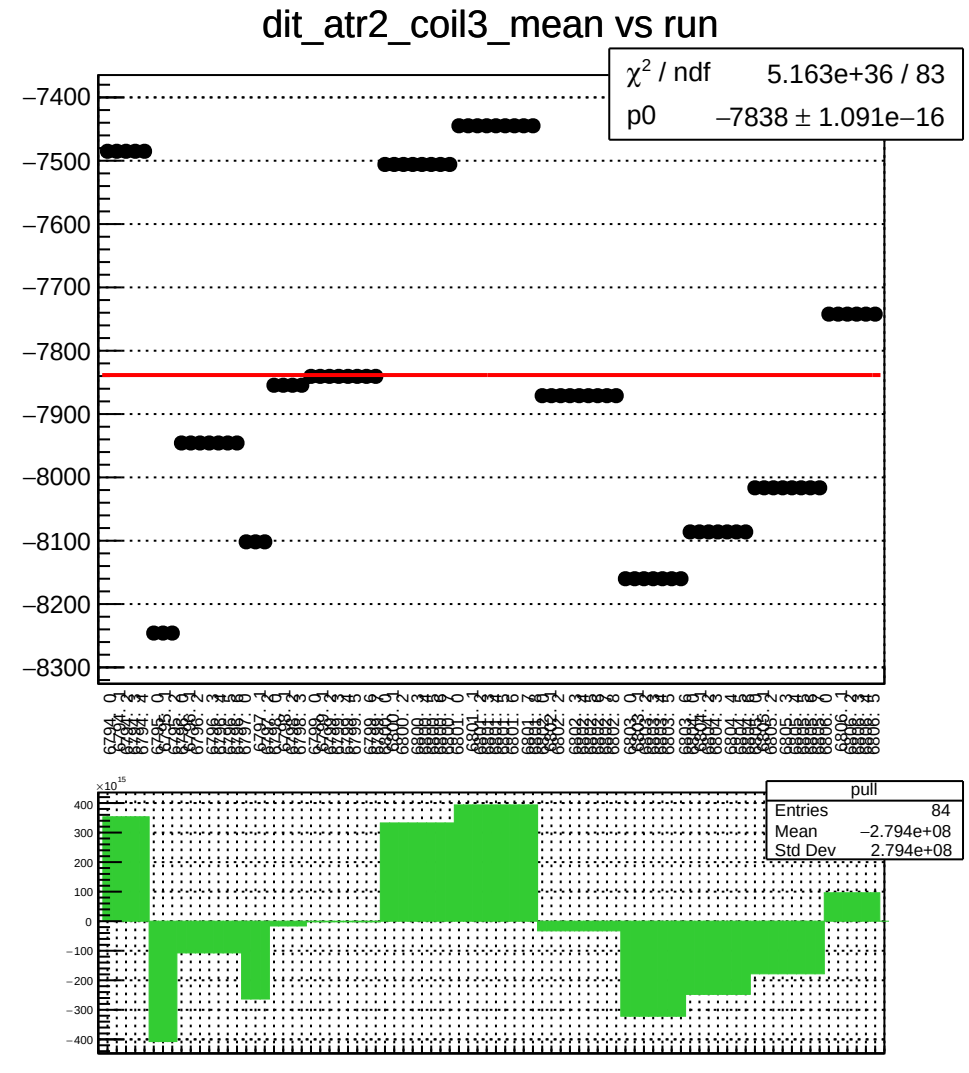

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

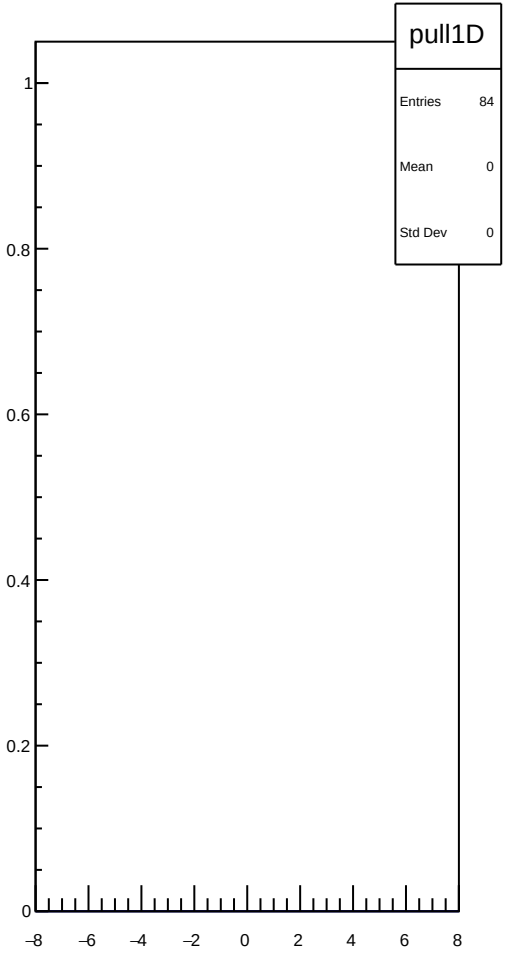

dit_atr1_coil3_err_mean vs run
χ² / ndf 3.061e+35 / 83
p0 202.9 ± 1.091e−16
350
300
250
200
150
pull
Entries 84
Mean 1.939e+09
Std Dev 1.939e+09
×10¹⁵
140
120
100
80
60
40
20
0
−20
−40
−60

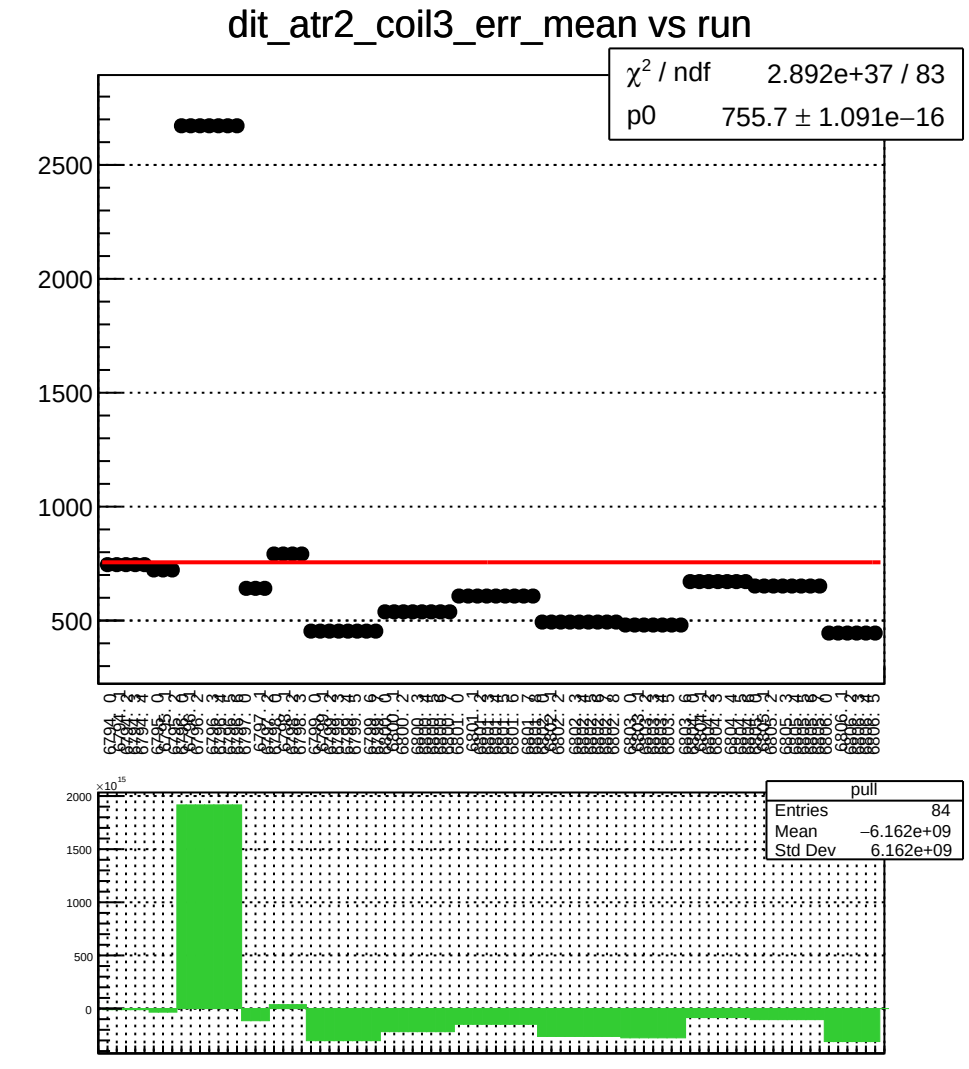

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

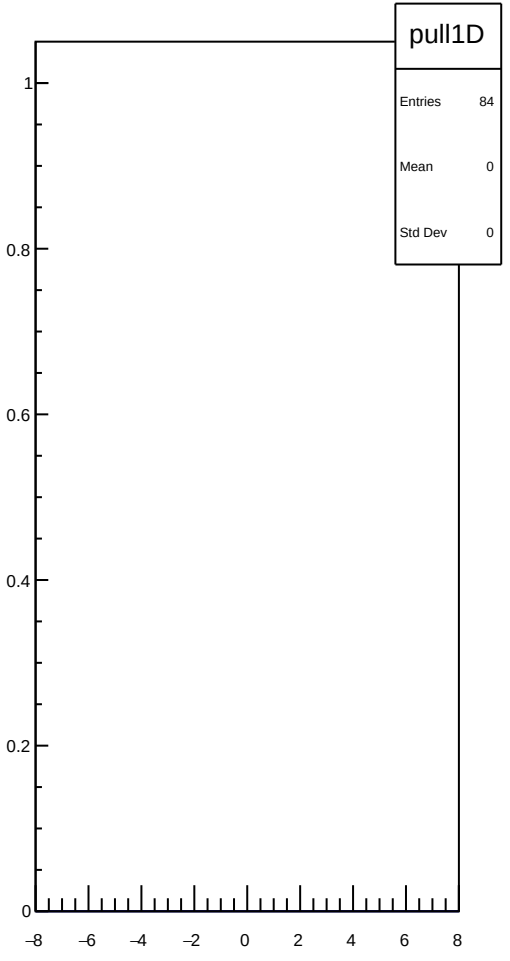

dit_atr1_coil3_Ndata_mean vs run
χ² / ndf 1.632e+37 / 83
p0 1200 ± 1.091e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean 4.632e+15
Std Dev 4.632e+15
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800

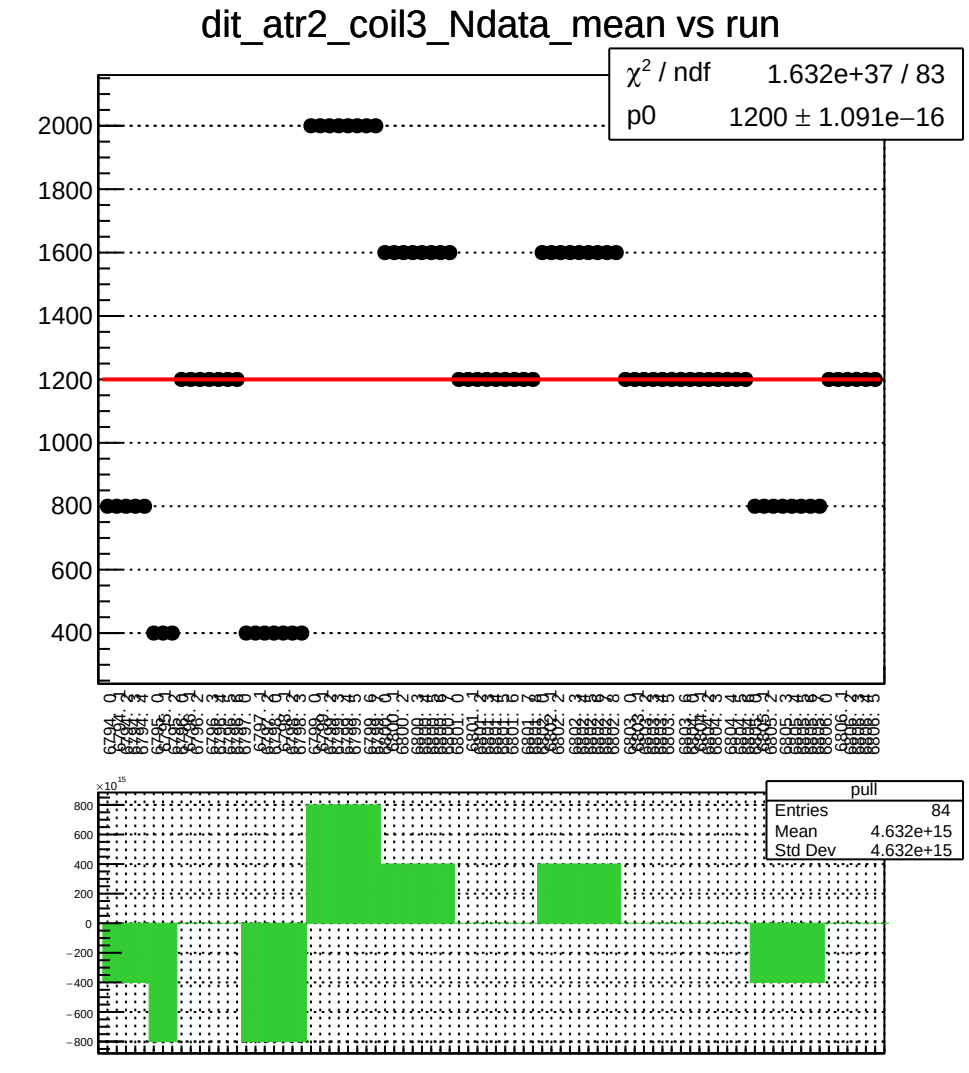

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

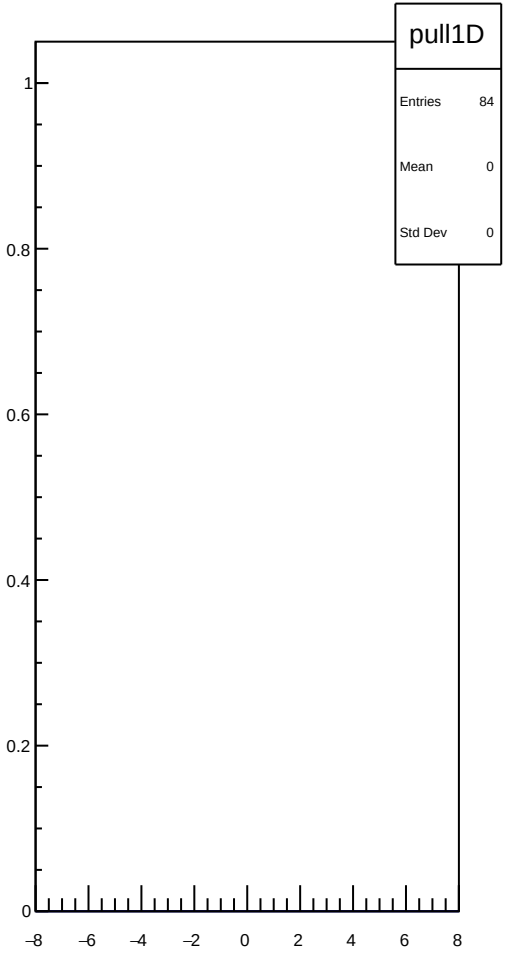

dit_atr2_coil3_mean vs run
χ² / ndf 5.163e+36 / 83
p0 −7838 ± 1.091e−16
−7400
−7500
−7600
−7700
−7800
−7900
−8000
−8100
−8200
−8300
pull
Entries 84
Mean −2.794e+08
Std Dev 2.794e+08
×10¹⁵
400
300
200
100
0
−100
−200
−300
−400

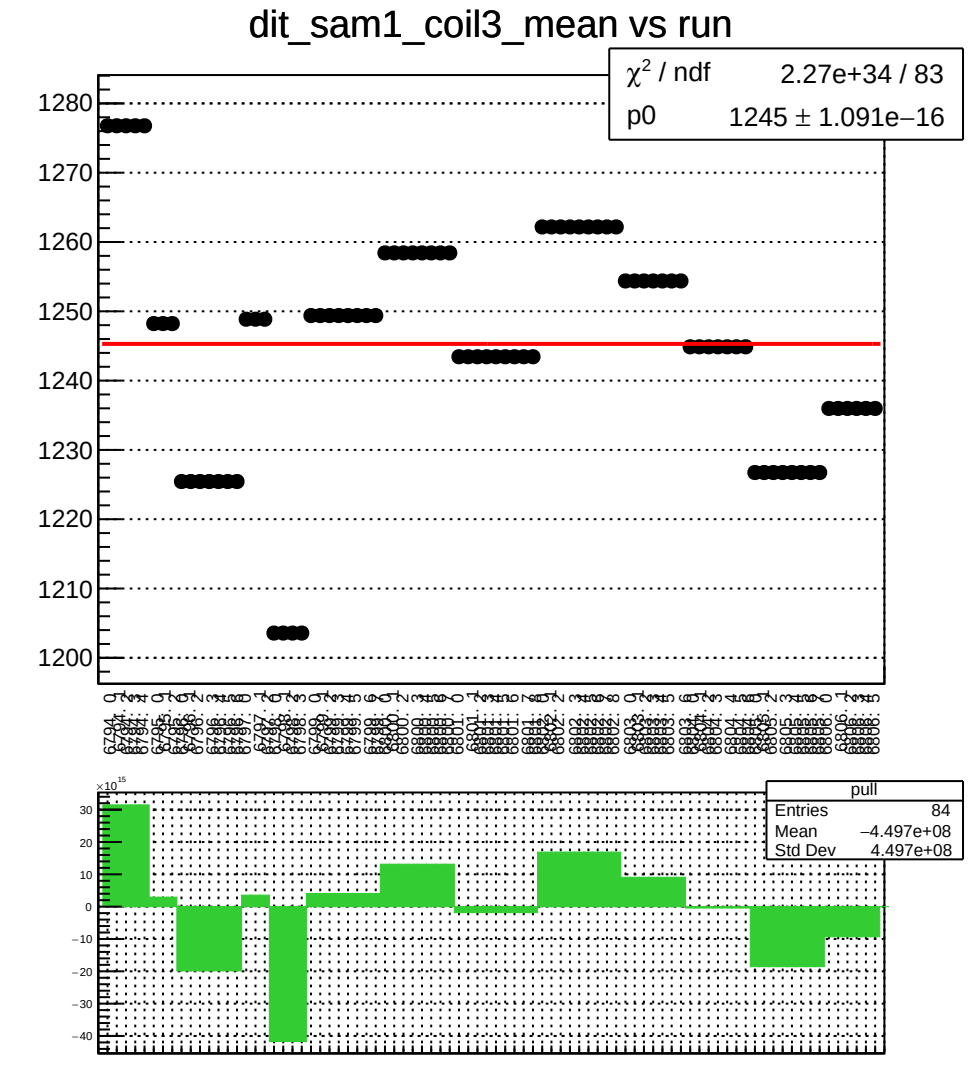

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

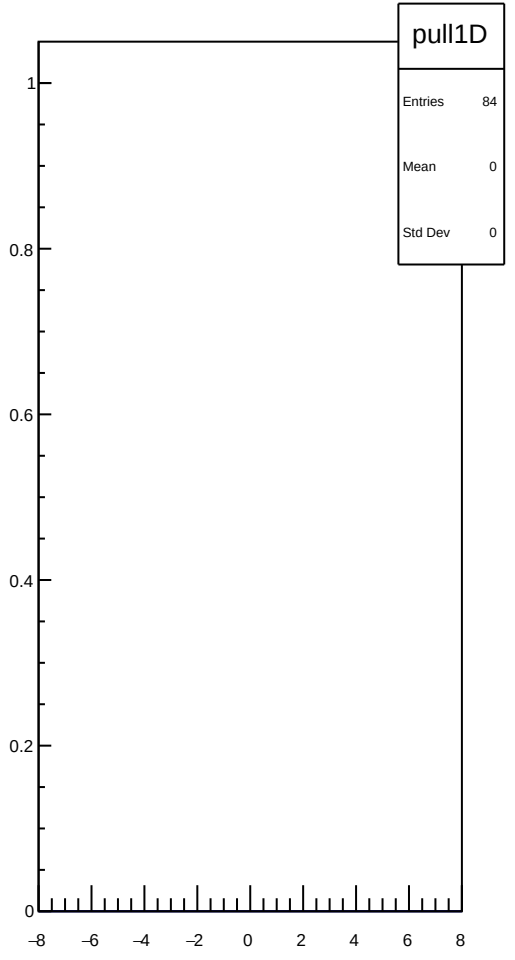

dit_atr2_coil3_err_mean vs run
χ² / ndf 2.892e+37 / 83
p0 755.7 ± 1.091e−16
2500
2000
1500
1000
500
pull
Entries 84
Mean −6.162e+09
Std Dev 6.162e+09
×10¹⁵
2000
1500
1000
500
0

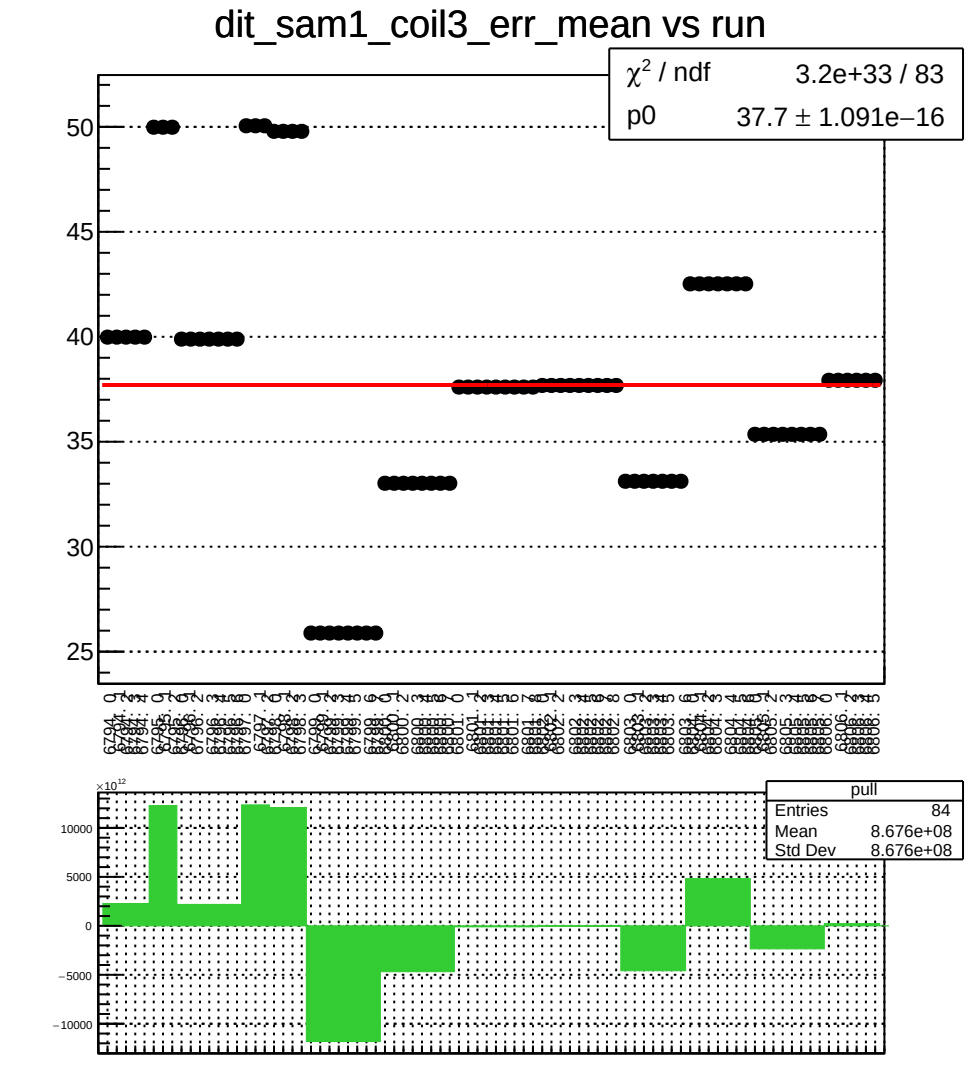

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

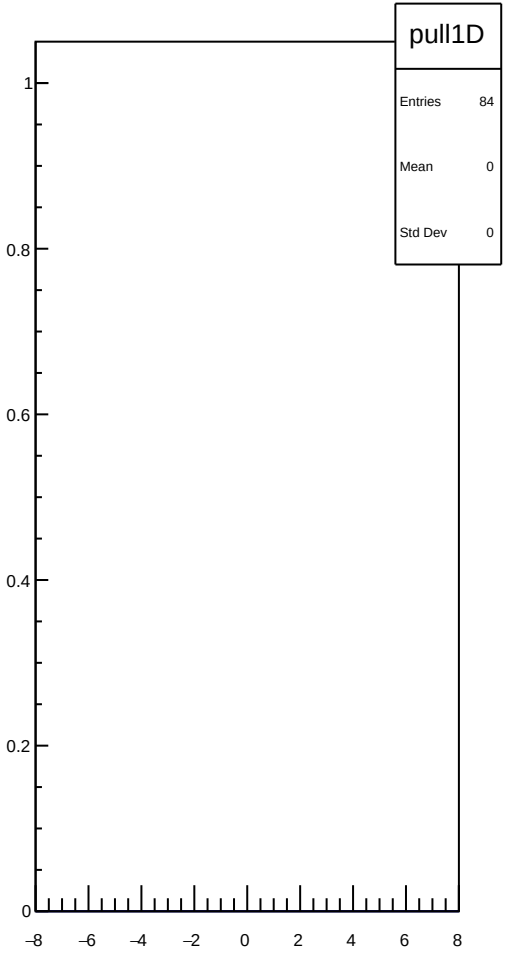

dit_atr2_coil3_Ndata_mean vs run
χ² / ndf 1.632e+37 / 83
p0 1200 ± 1.091e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean 4.632e+15
Std Dev 4.632e+15
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800

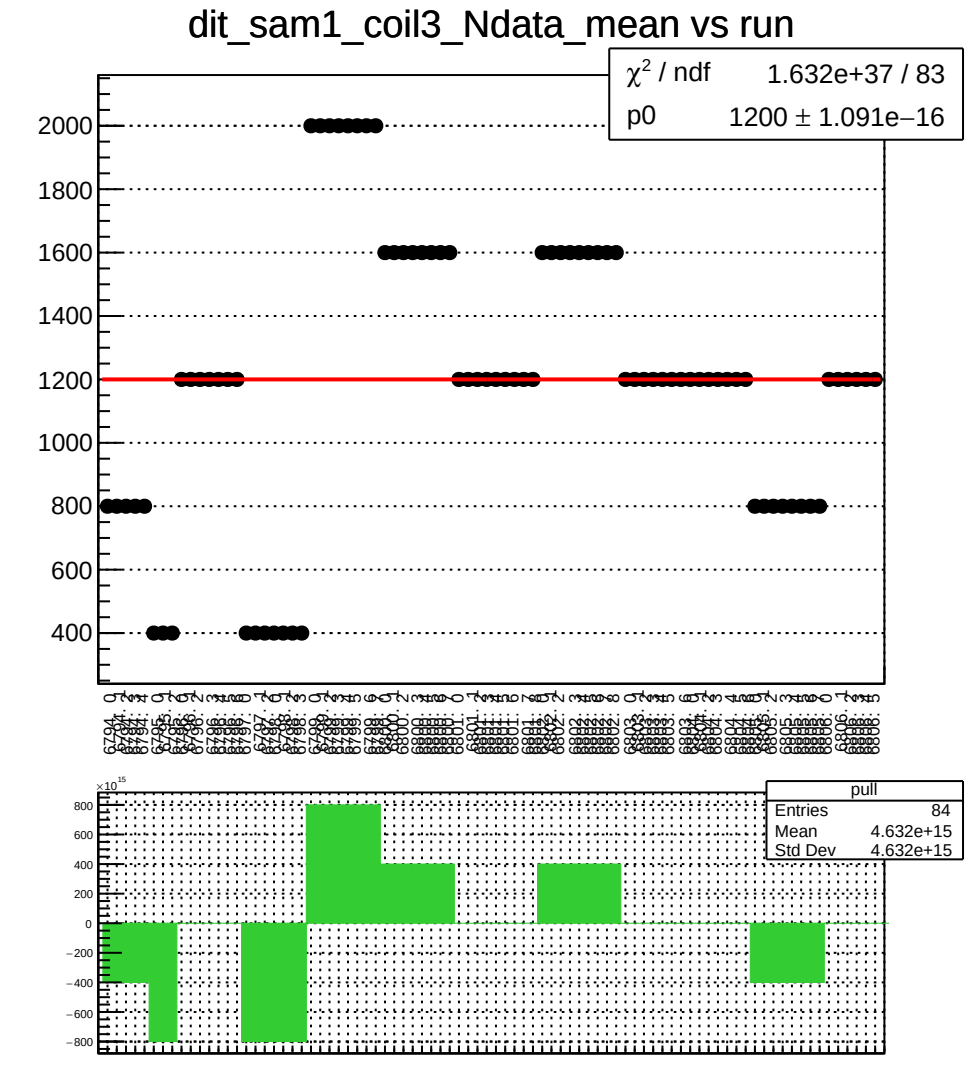

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

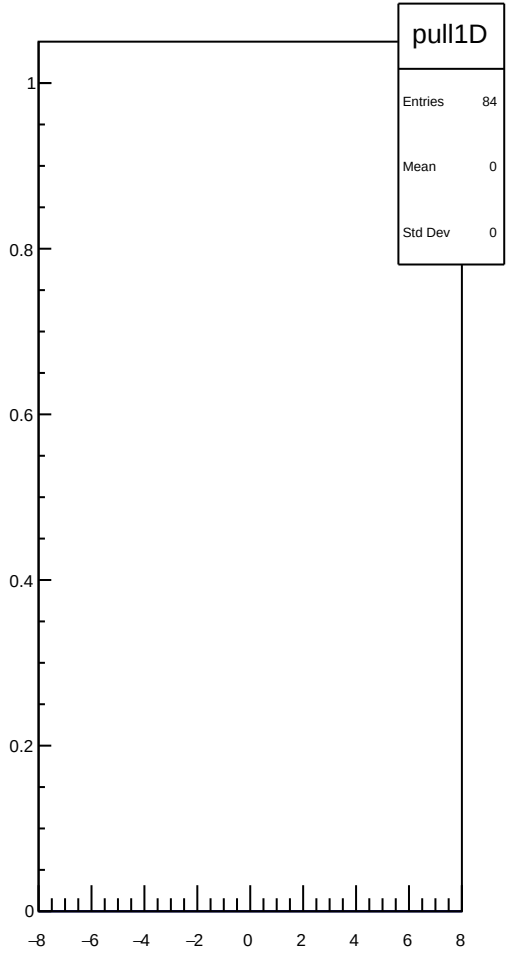

dit_sam1_coil3_mean vs run
χ² / ndf 2.27e+34 / 83
p0 1245 ± 1.091e−16
1280
1270
1260
1250
1240
1230
1220
1210
1200
pull
Entries 84
Mean −4.497e+08
Std Dev 4.497e+08
×10¹⁵
30
20
10
0
−10
−20
−30
−40

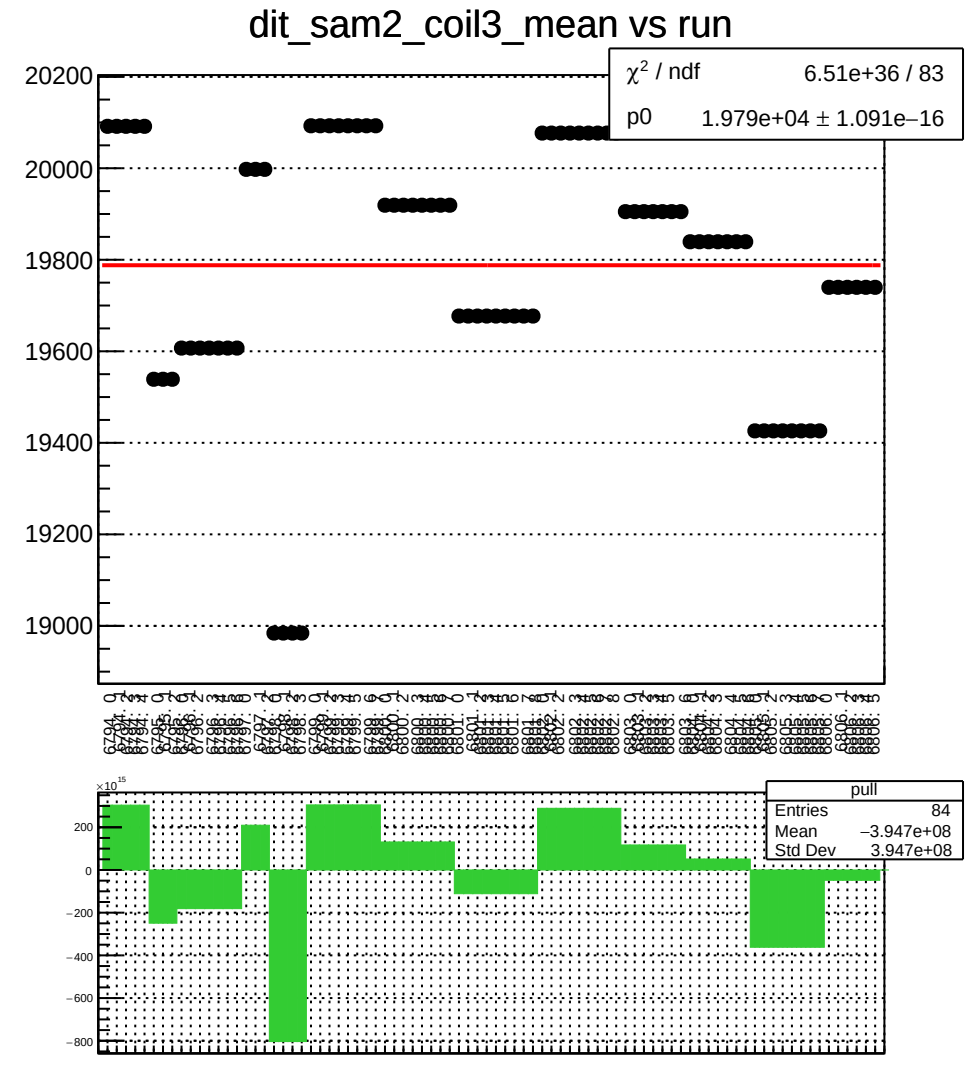

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

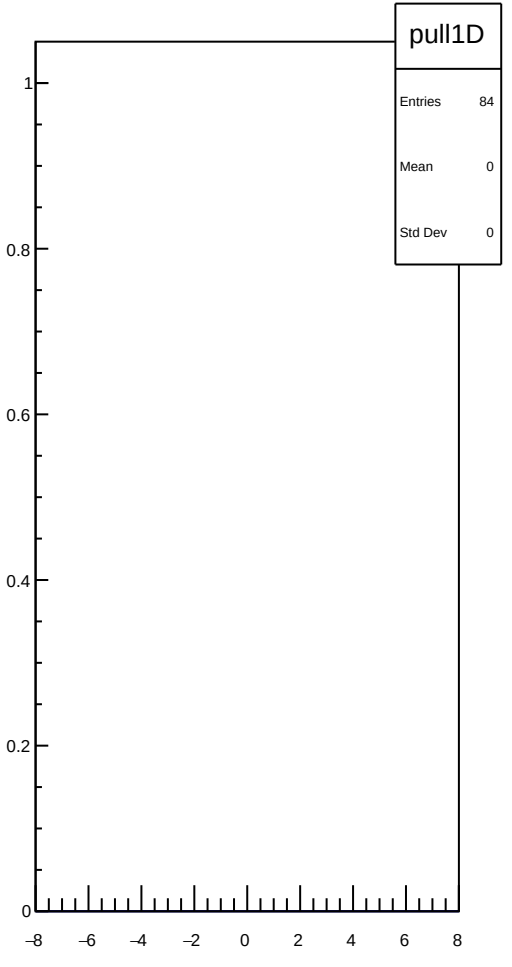

dit_sam1_coil3_err_mean vs run
χ² / ndf 3.2e+33 / 83
p0 37.7 ± 1.091e−16
50
45
40
35
30
25
pull
Entries 84
Mean 8.676e+08
Std Dev 8.676e+08
×10¹²
10000
5000
0
−5000
−10000

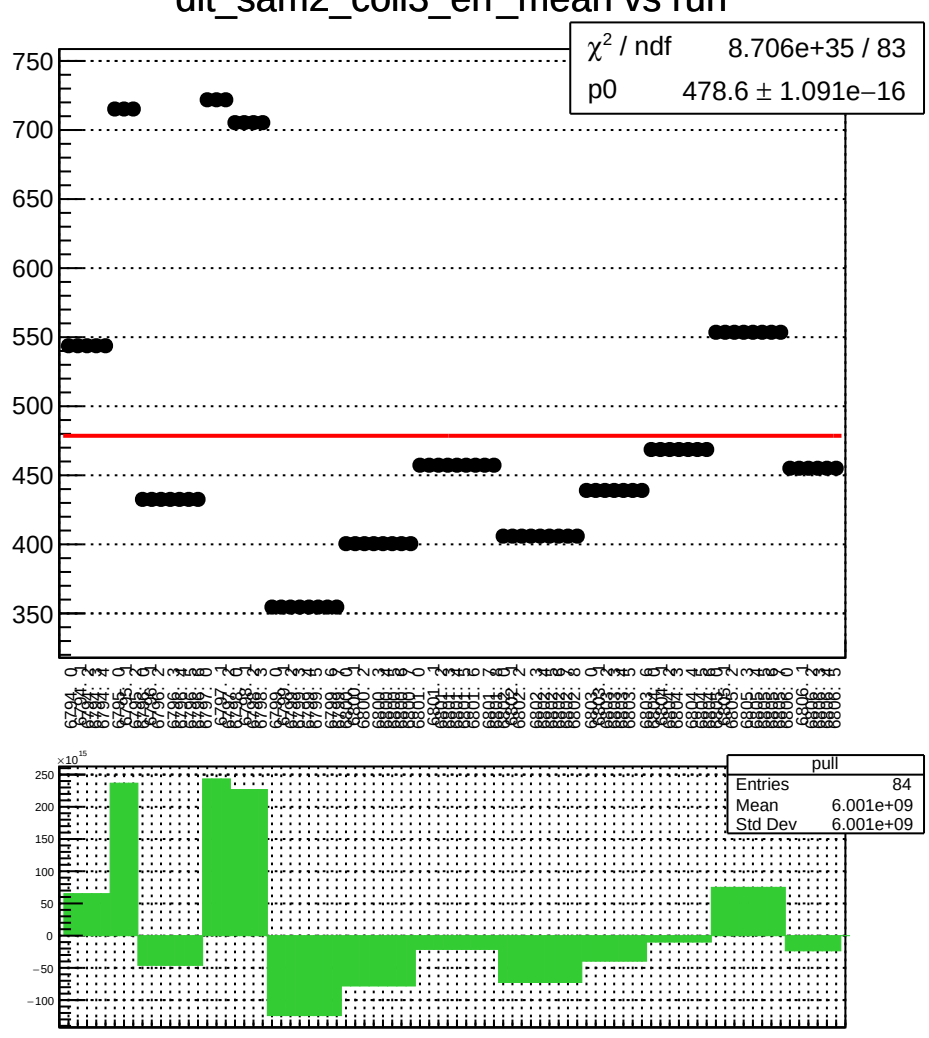

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

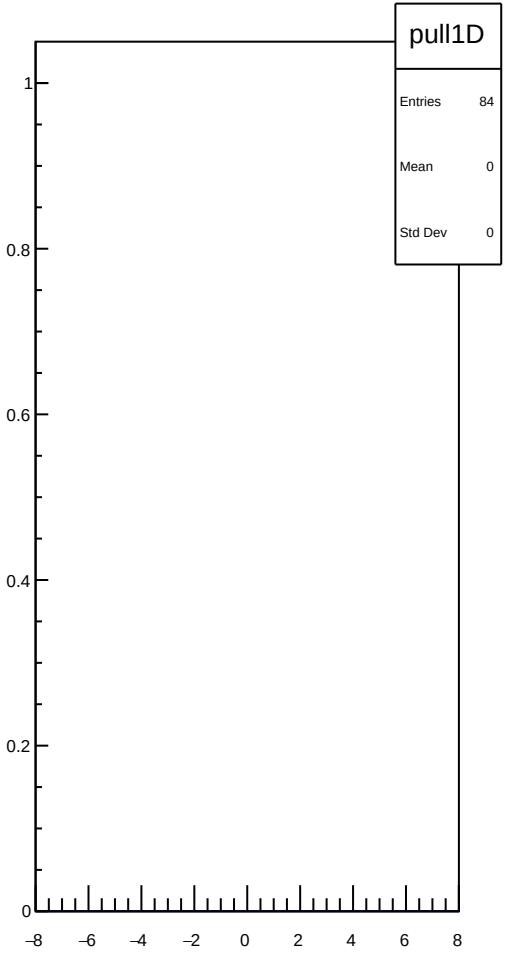

dit_sam1_coil3_Ndata_mean vs run
χ² / ndf 1.632e+37 / 83
p0 1200 ± 1.091e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean 4.632e+15
Std Dev 4.632e+15
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800

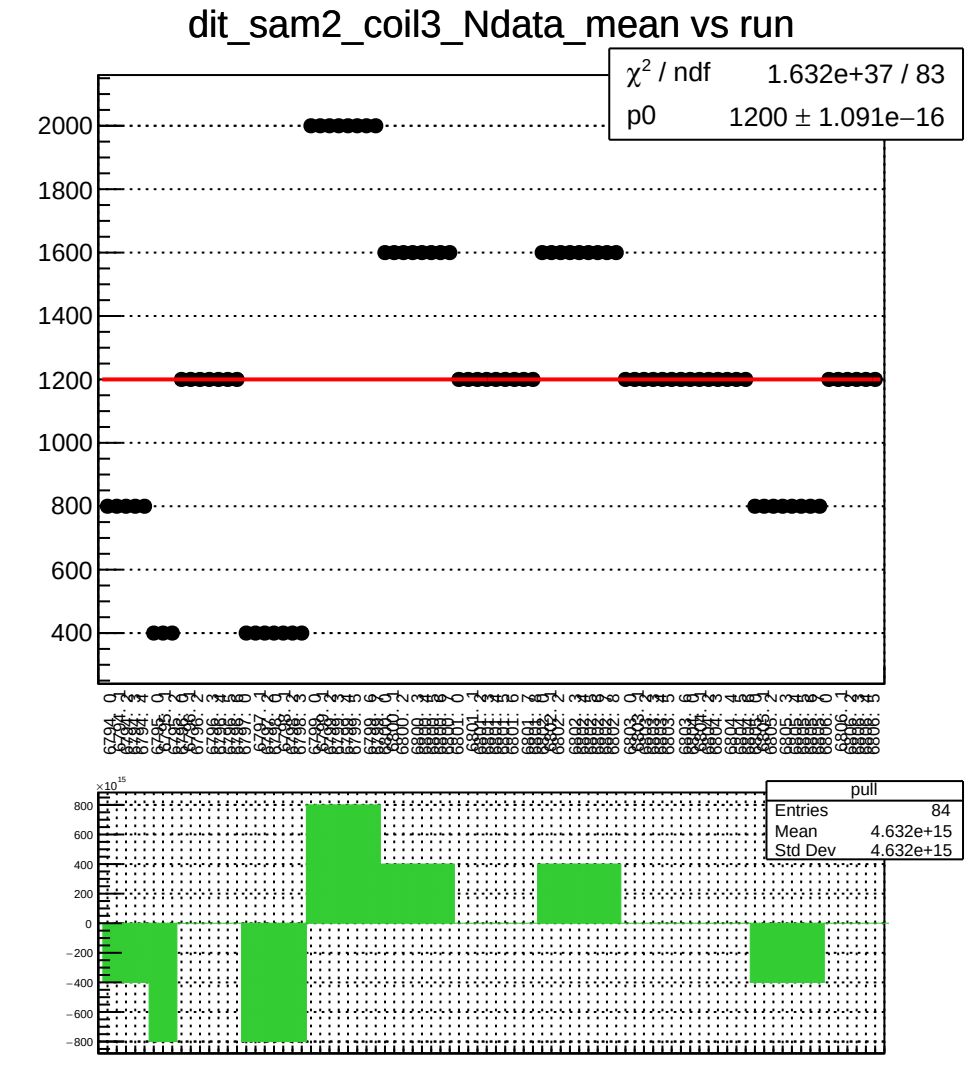

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

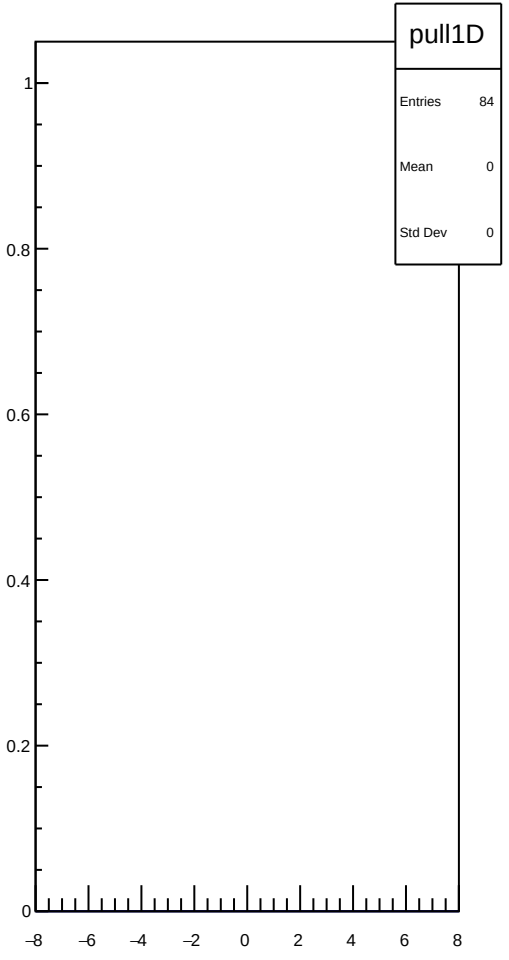

dit_sam2_coil3_mean vs run
χ² / ndf 6.51e+36 / 83
p0 1.979e+04 ± 1.091e−16
20200
20000
19800
19600
19400
19200
19000
pull
Entries 84
Mean −3.947e+08
Std Dev 3.947e+08
×10¹⁵
200
0
−200
−400
−600
−800

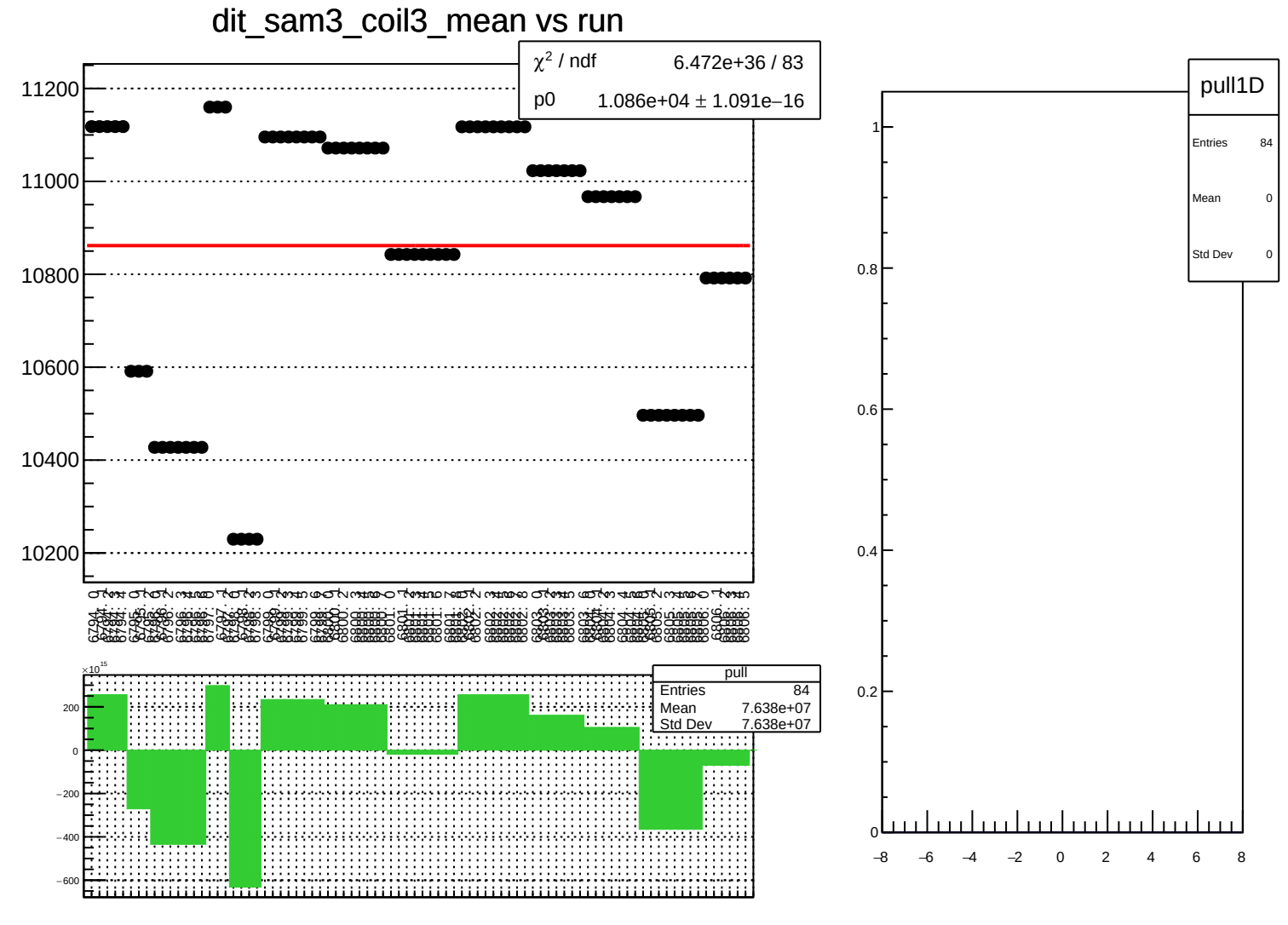

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

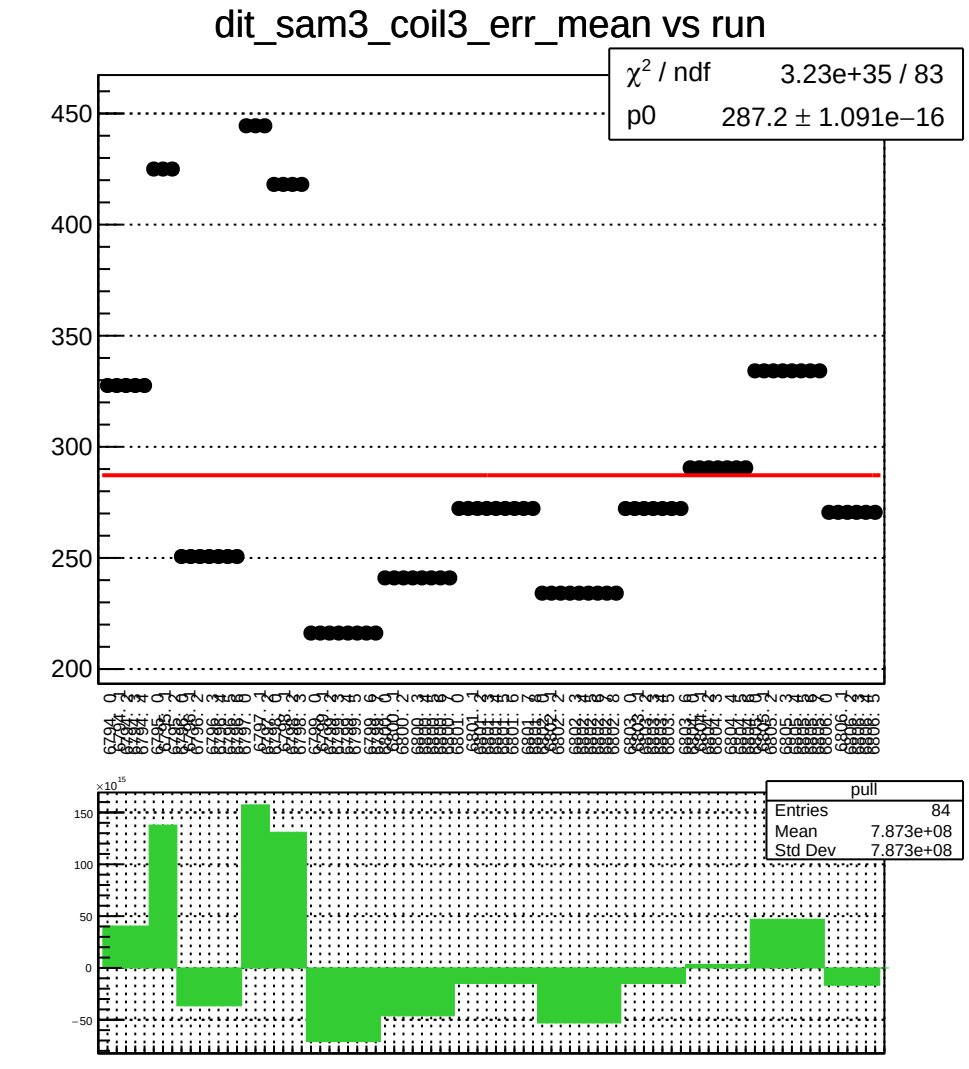

dit_sam2_coil3_err_mean vs run
χ² / ndf 8.706e+35 / 83
p0 478.6 ± 1.091e−16
pull
Entries 84
Mean 6.001e+09
Std Dev 6.001e+09

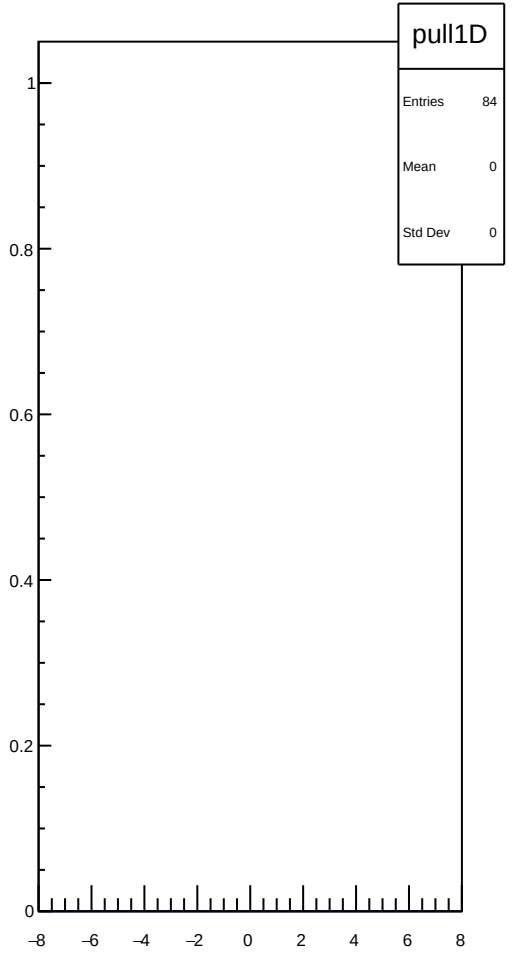

pull1D
Entries 84
Mean 0
Std Dev 0

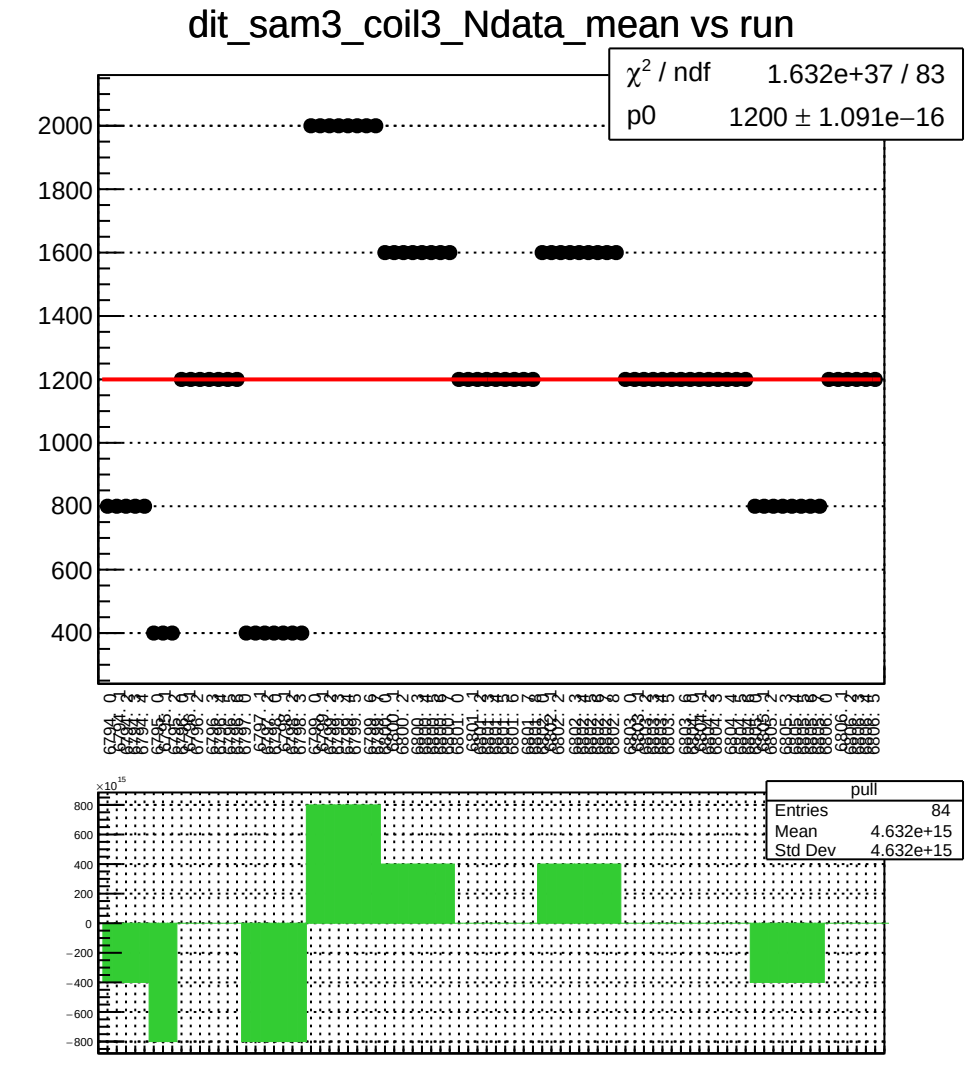

dit_sam2_coil3_Ndata_mean vs run
χ² / ndf 1.632e+37 / 83
p0 1200 ± 1.091e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean 4.632e+15
Std Dev 4.632e+15
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800

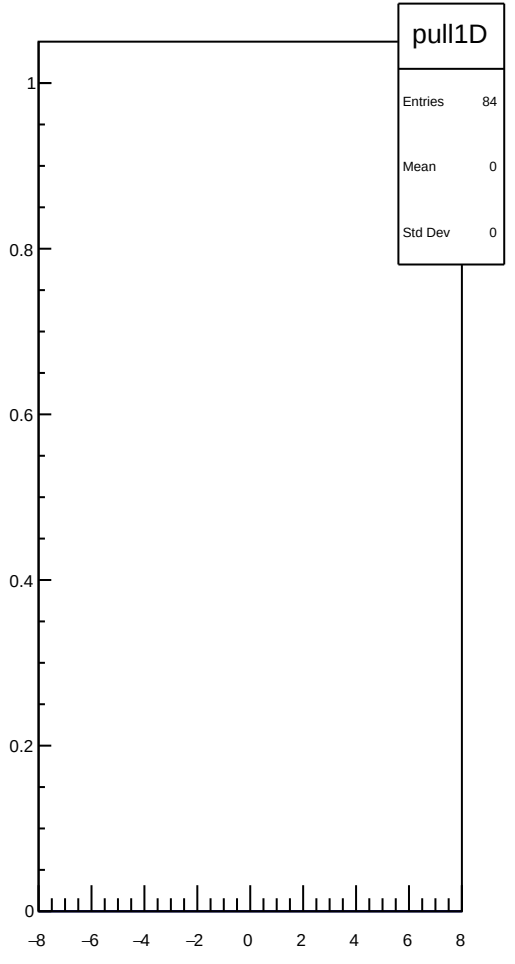

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

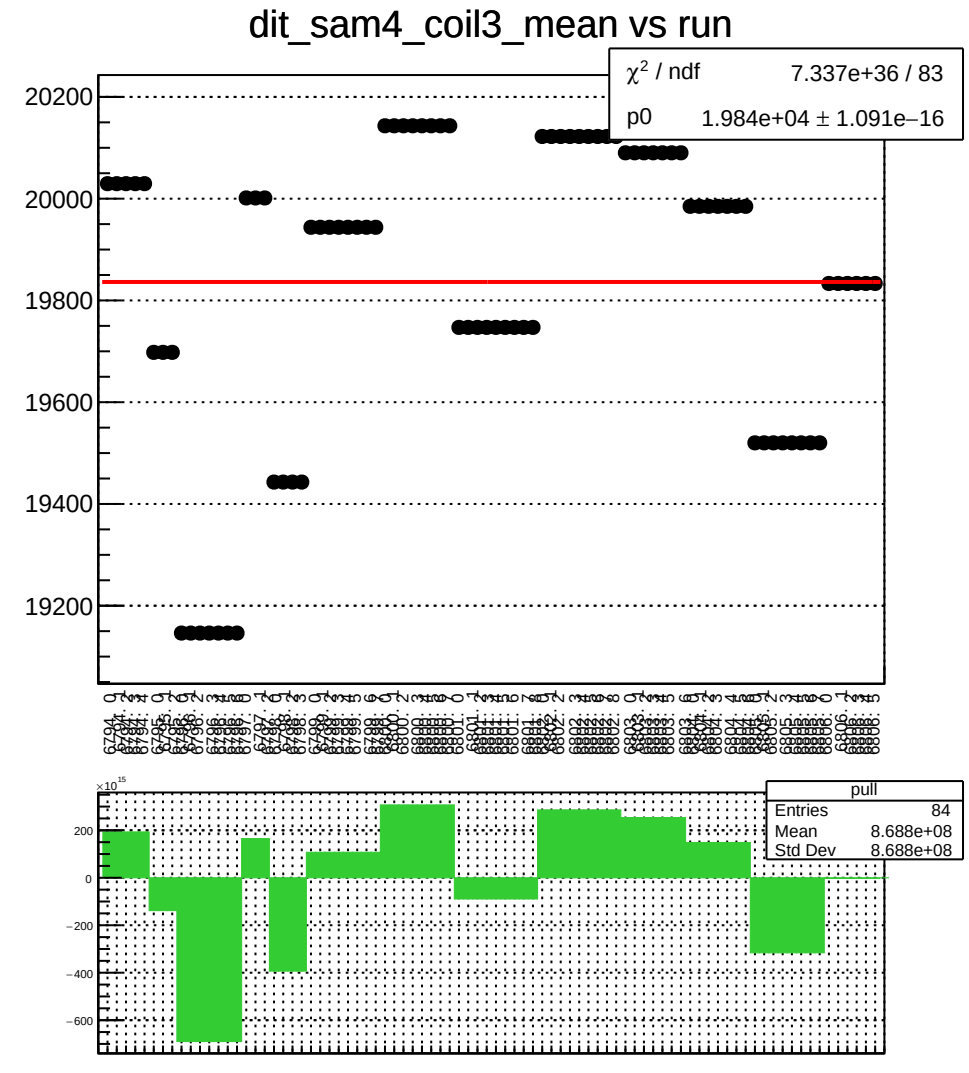

dit_sam3_coil3_mean vs run
χ² / ndf 6.472e+36 / 83
p0 1.086e+04 ± 1.091e−16
11200
11000
10800
10600
10400
10200
pull
Entries 84
Mean 7.638e+07
Std Dev 7.638e+07
×10^15
200
0
−200
−400
−600
pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

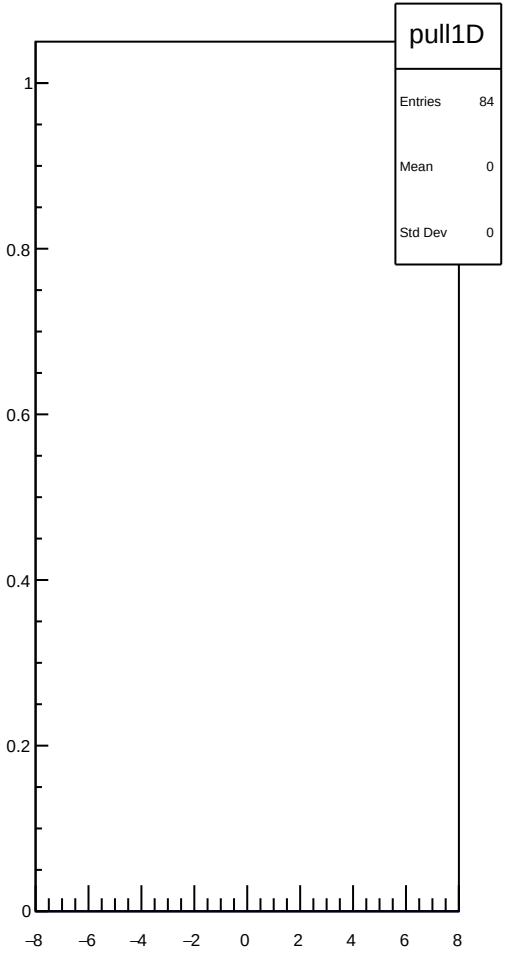

dit_sam3_coil3_err_mean vs run
χ² / ndf 3.23e+35 / 83
p0 287.2 ± 1.091e−16
450
400
350
300
250
200
pull
Entries 84
Mean 7.873e+08
Std Dev 7.873e+08
×10¹⁵
150
100
50
0
−50

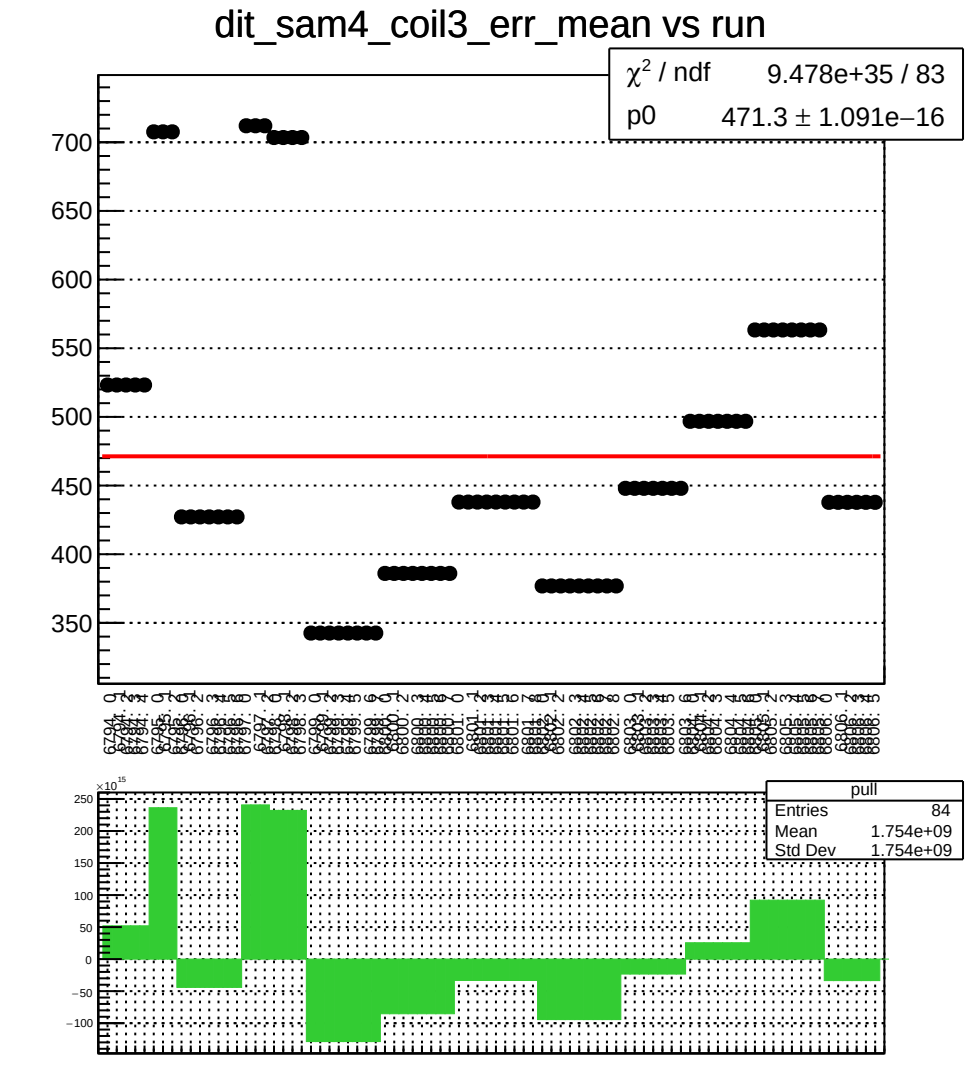

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

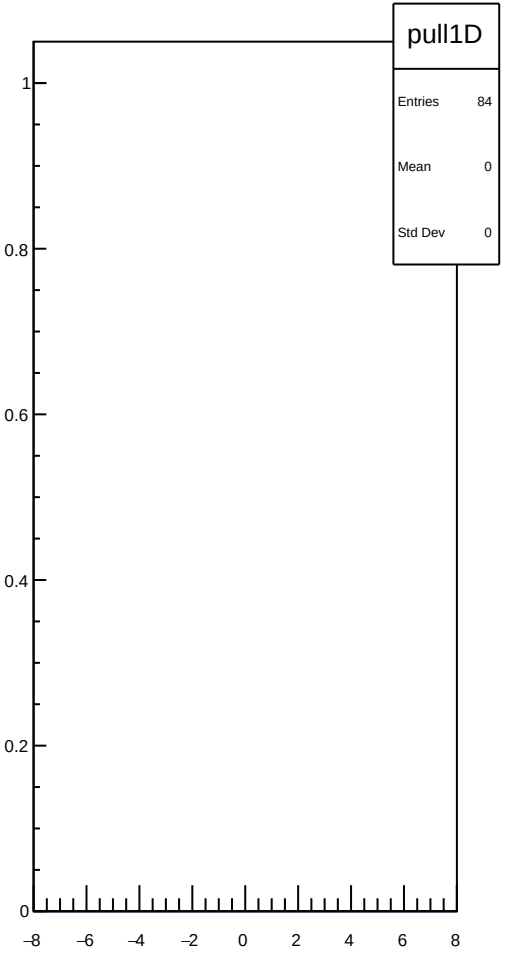

dit_sam3_coil3_Ndata_mean vs run
χ² / ndf 1.632e+37 / 83
p0 1200 ± 1.091e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean 4.632e+15
Std Dev 4.632e+15
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800

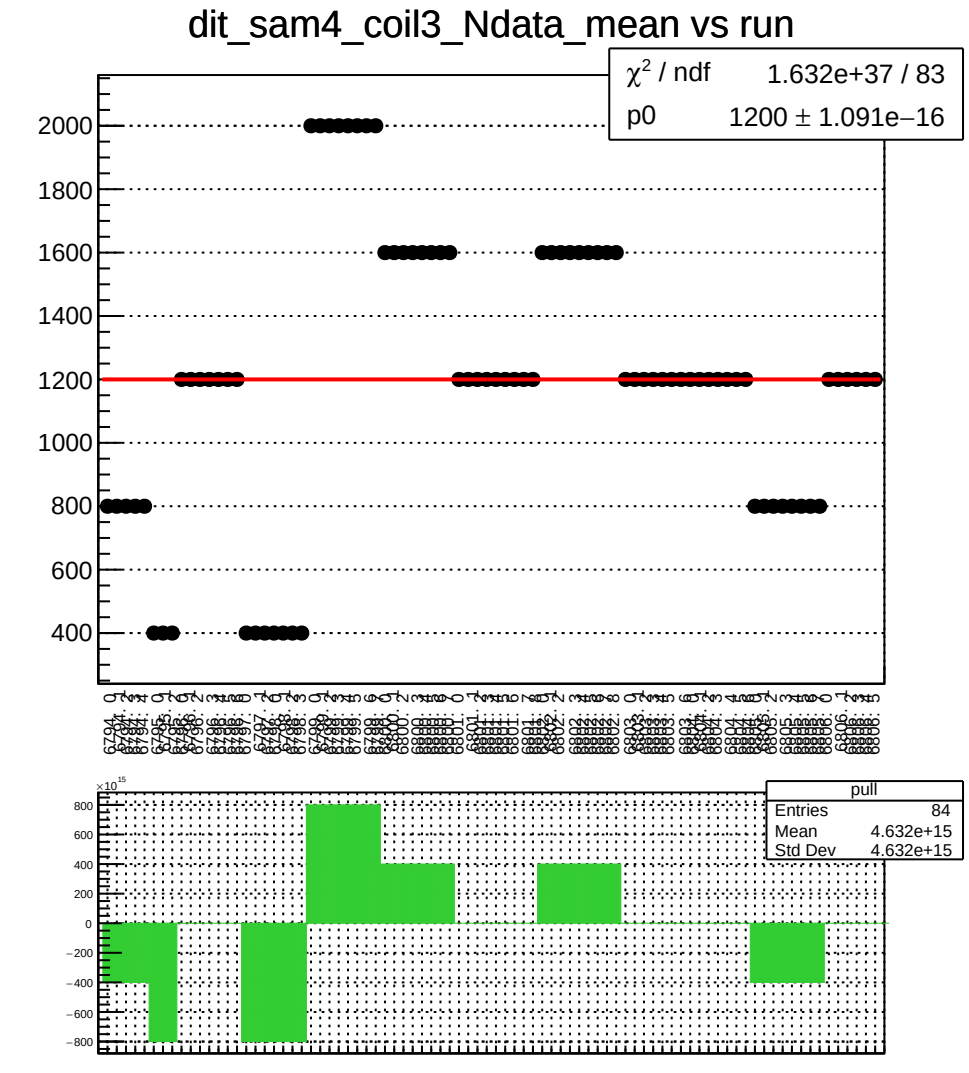

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

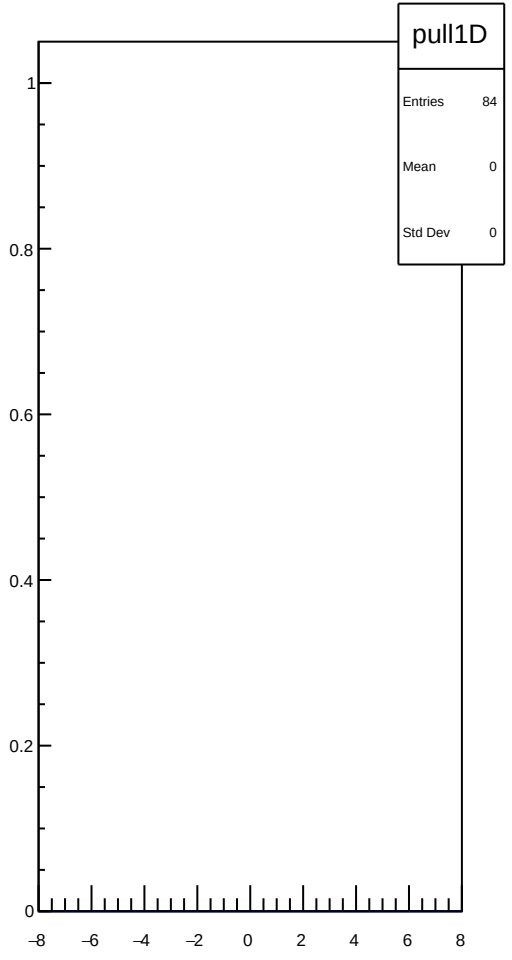

dit_sam4_coil3_mean vs run
χ² / ndf 7.337e+36 / 83
p0 1.984e+04 ± 1.091e−16
20200
20000
19800
19600
19400
19200
pull
Entries 84
Mean 8.688e+08
Std Dev 8.688e+08
×10¹⁵
200
0
−200
−400
−600

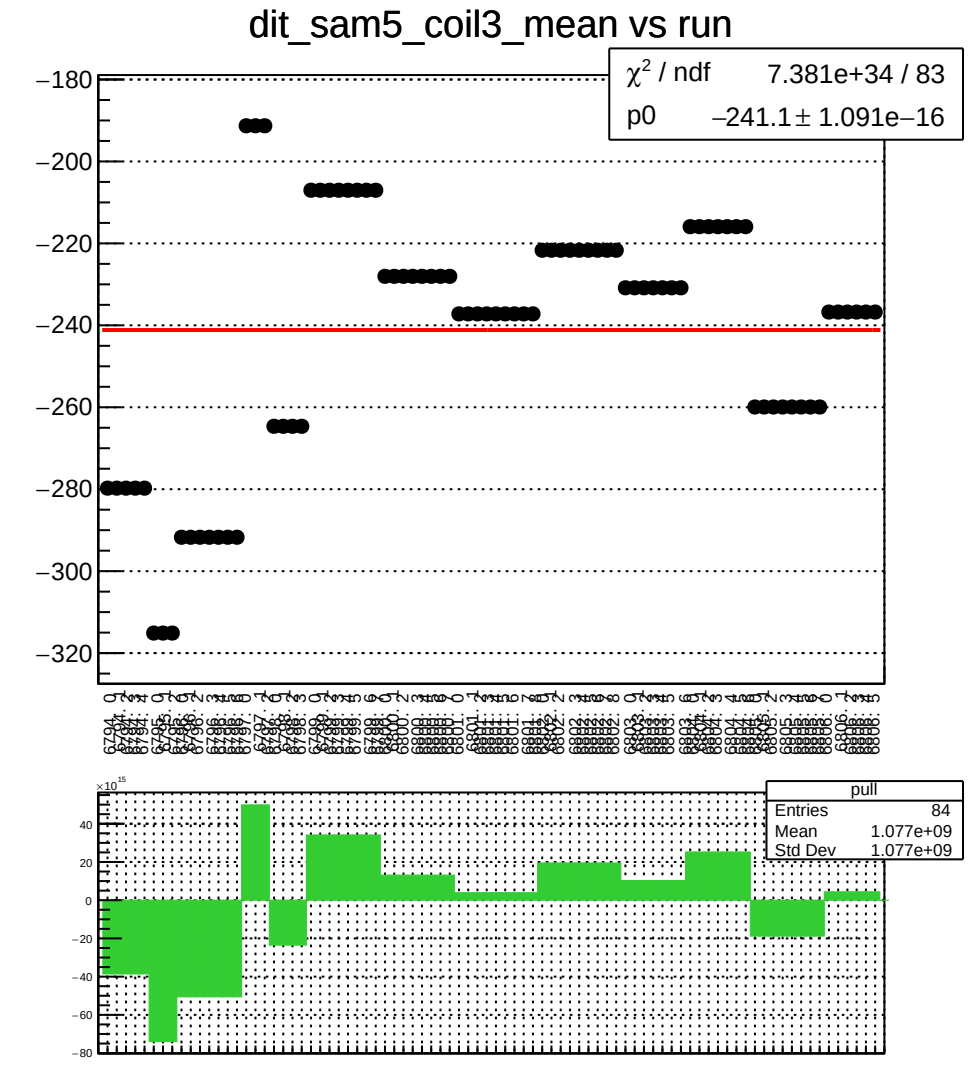

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

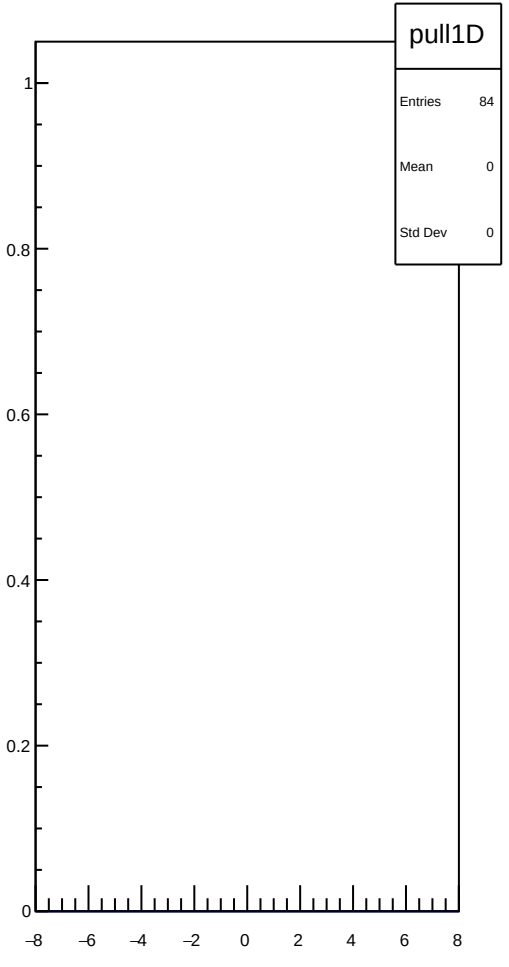

dit_sam4_coil3_err_mean vs run
χ² / ndf 9.478e+35 / 83
p0 471.3 ± 1.091e−16
700
650
600
550
500
450
400
350
pull
Entries 84
Mean 1.754e+09
Std Dev 1.754e+09
×10¹⁵
250
200
150
100
50
0
−50
−100

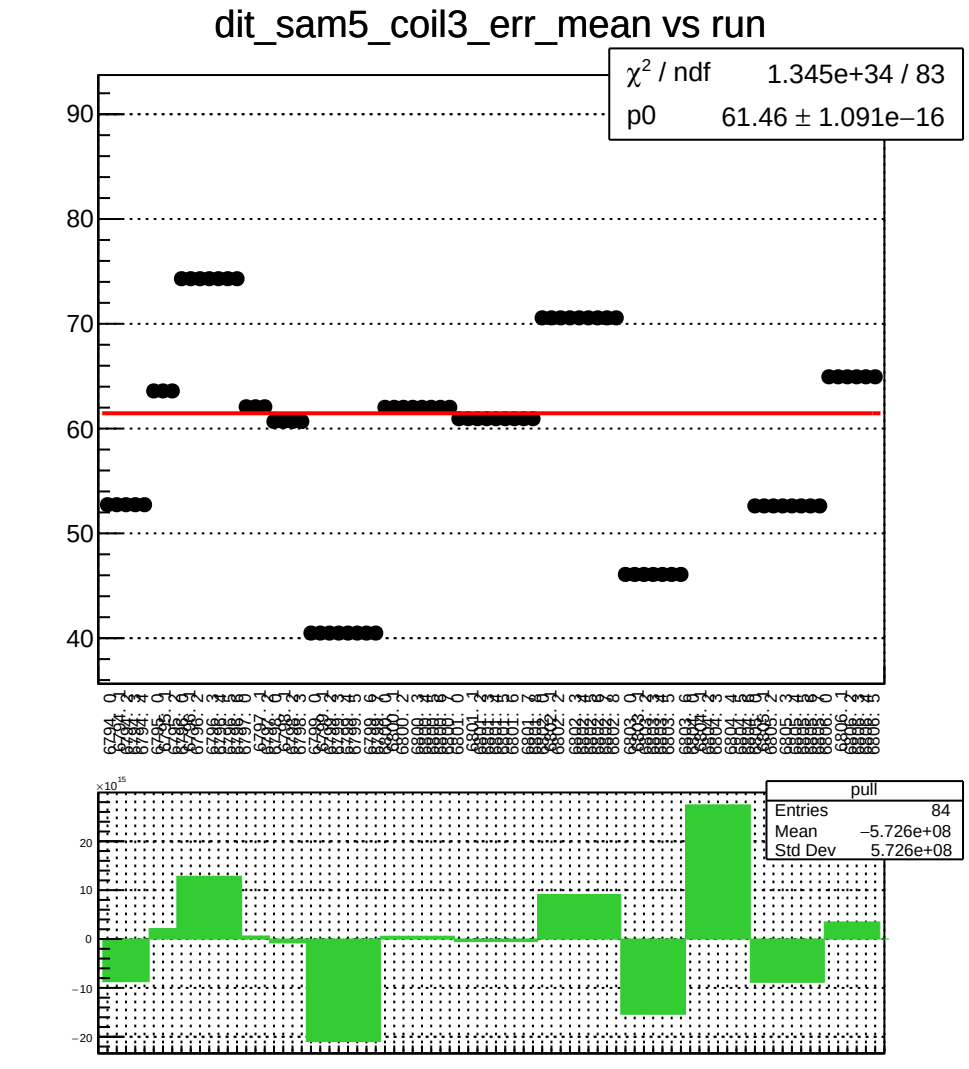

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

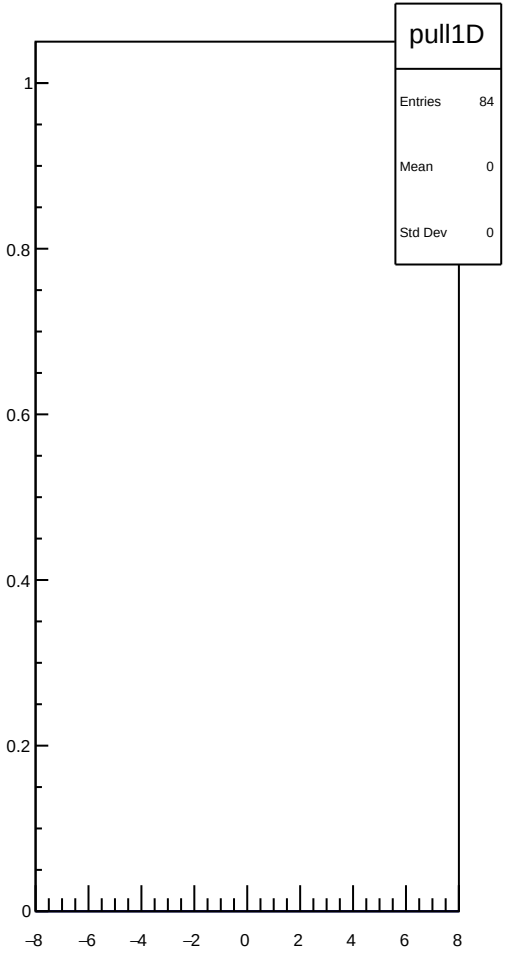

dit_sam4_coil3_Ndata_mean vs run
χ² / ndf 1.632e+37 / 83
p0 1200 ± 1.091e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean 4.632e+15
Std Dev 4.632e+15
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800

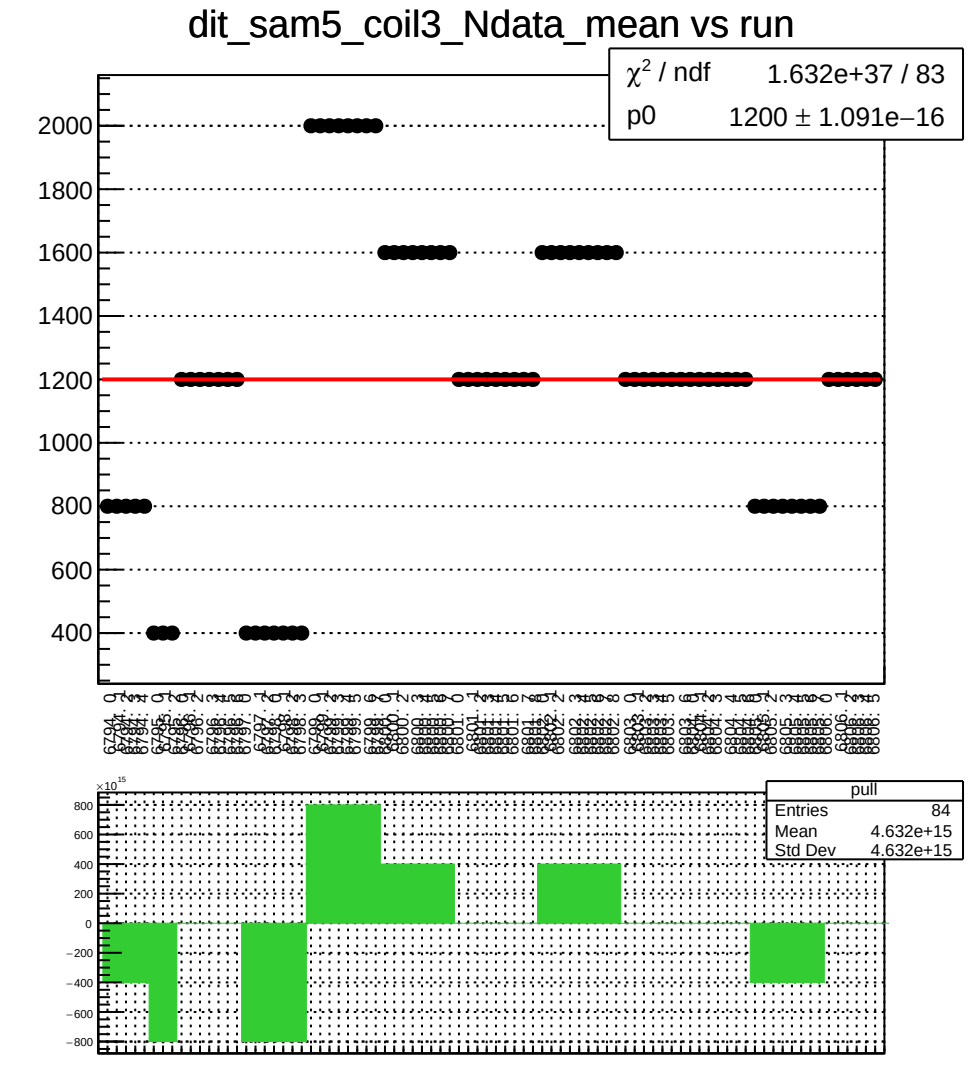

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

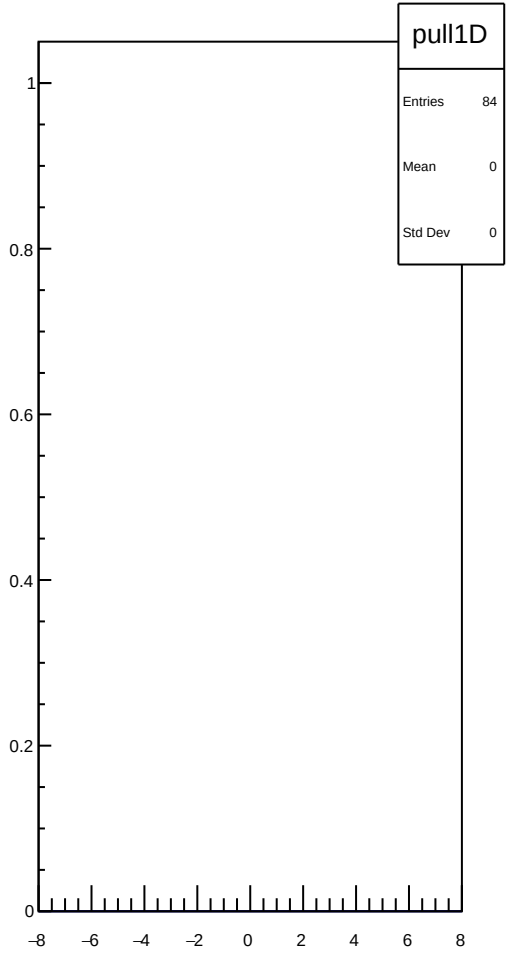

dit_sam5_coil3_mean vs run
χ² / ndf 7.381e+34 / 83
p0 −241.1 ± 1.091e−16
pull
Entries 84
Mean 1.077e+09
Std Dev 1.077e+09

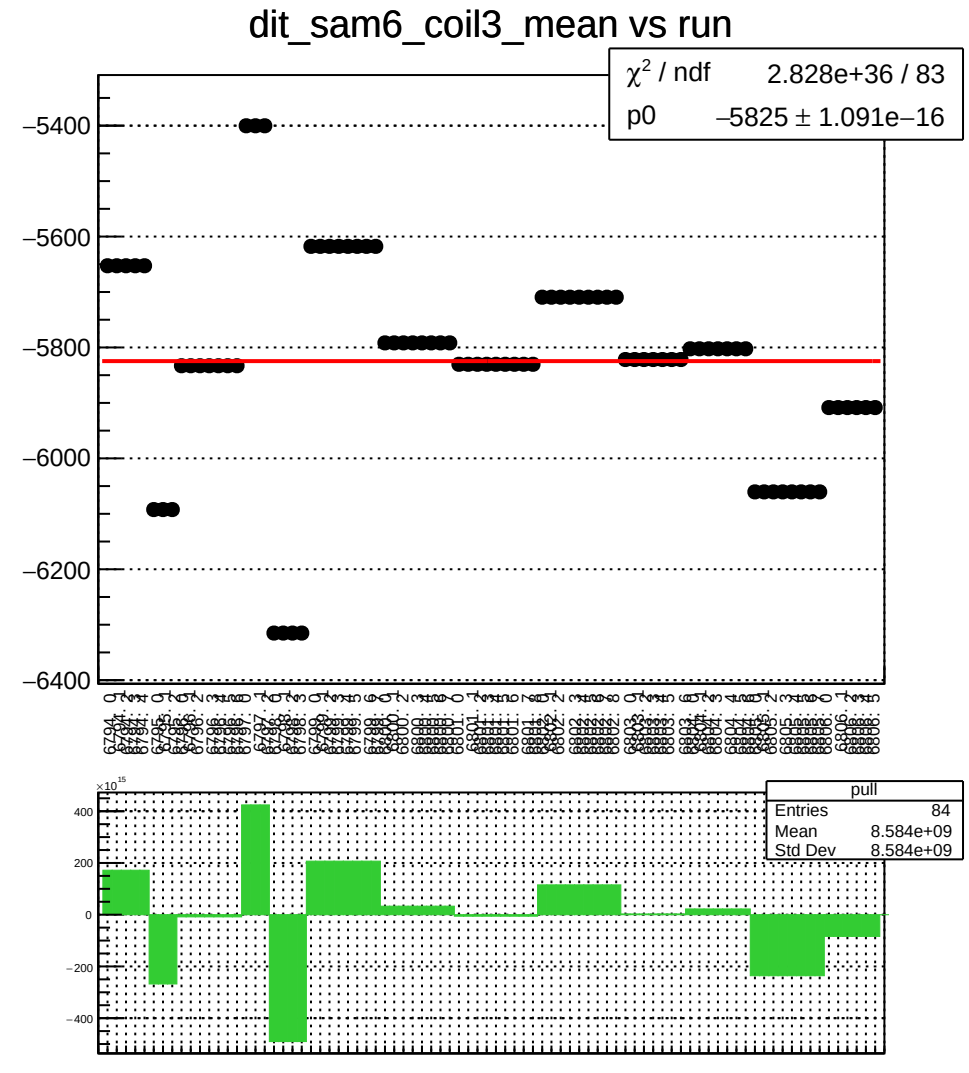

pull1D
Entries 84
Mean 0
Std Dev 0

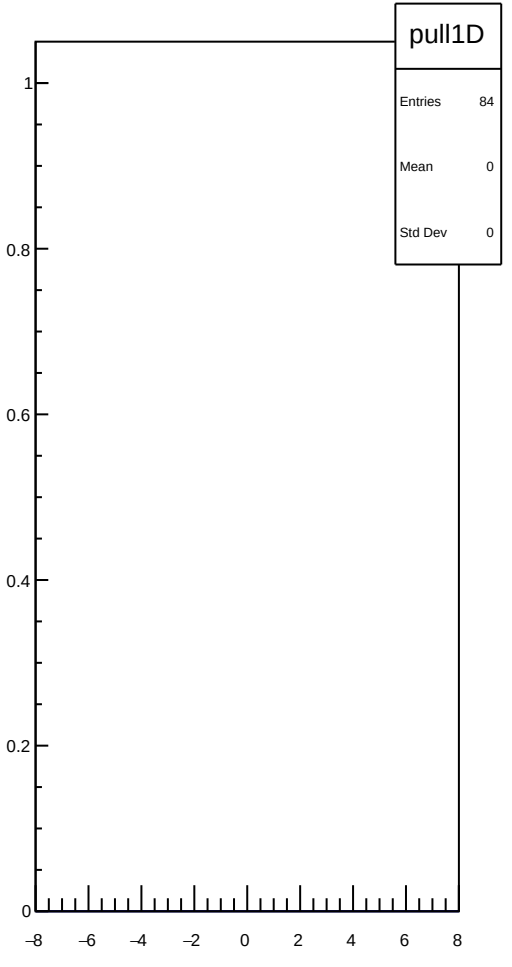

dit_sam5_coil3_err_mean vs run
χ² / ndf 1.345e+34 / 83
p0 61.46 ± 1.091e−16
90
80
70
60
50
40
pull
Entries 84
Mean −5.726e+08
Std Dev 5.726e+08
×10¹⁵
20
10
0
−10
−20

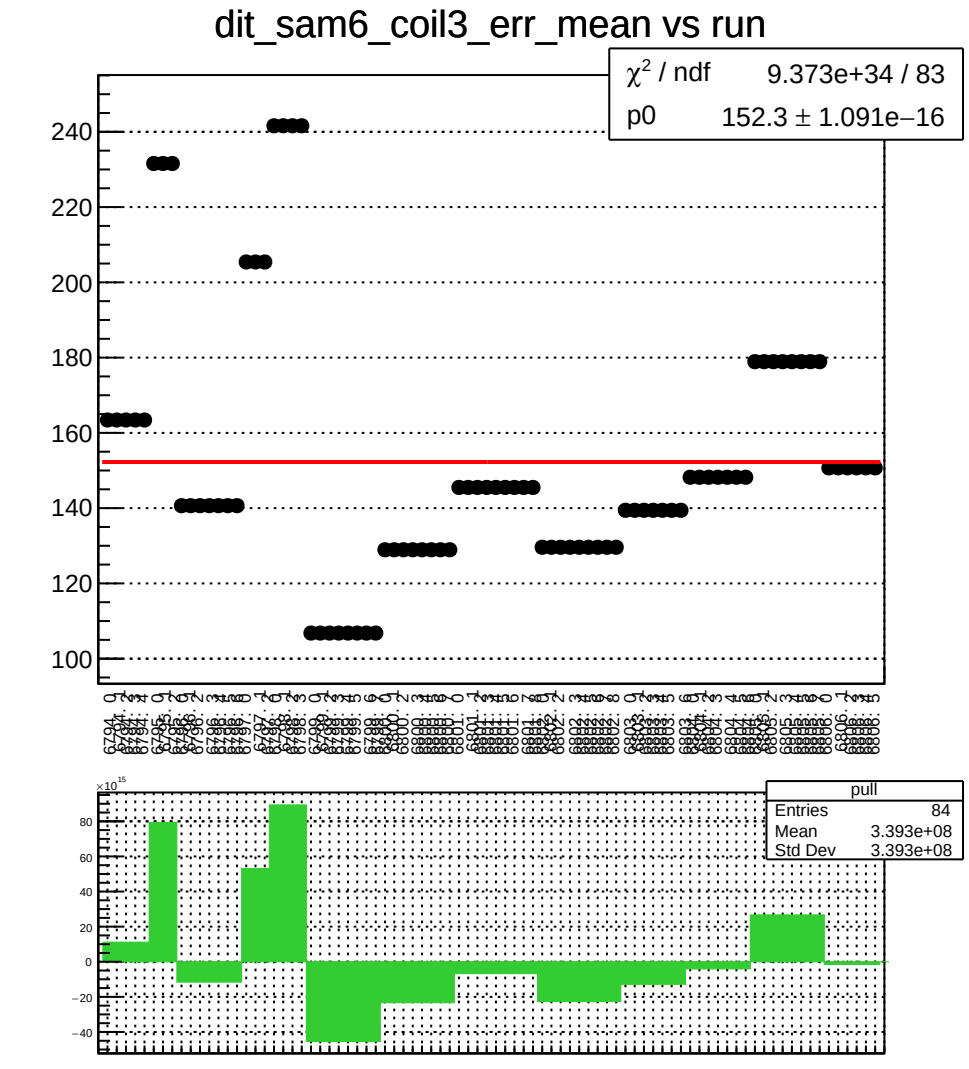

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

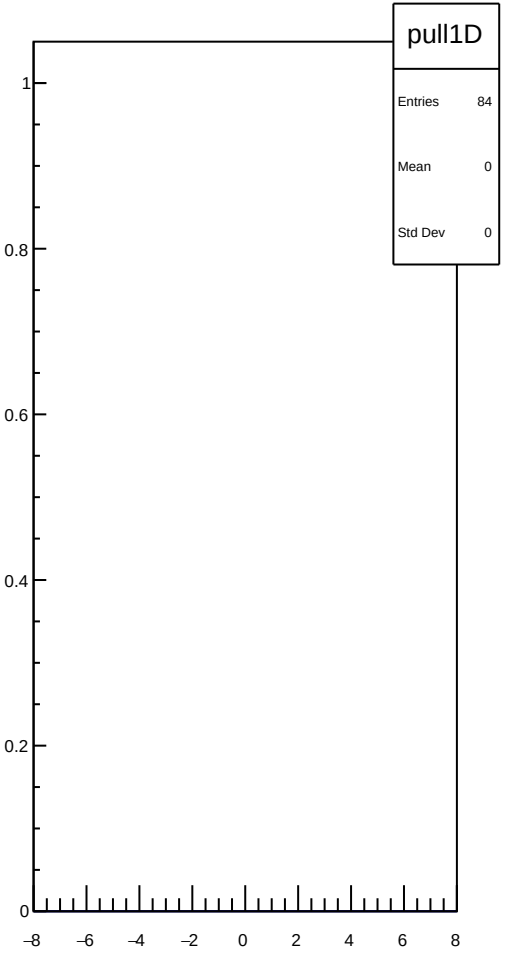

dit_sam5_coil3_Ndata_mean vs run
χ² / ndf 1.632e+37 / 83
p0 1200 ± 1.091e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean 4.632e+15
Std Dev 4.632e+15
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800

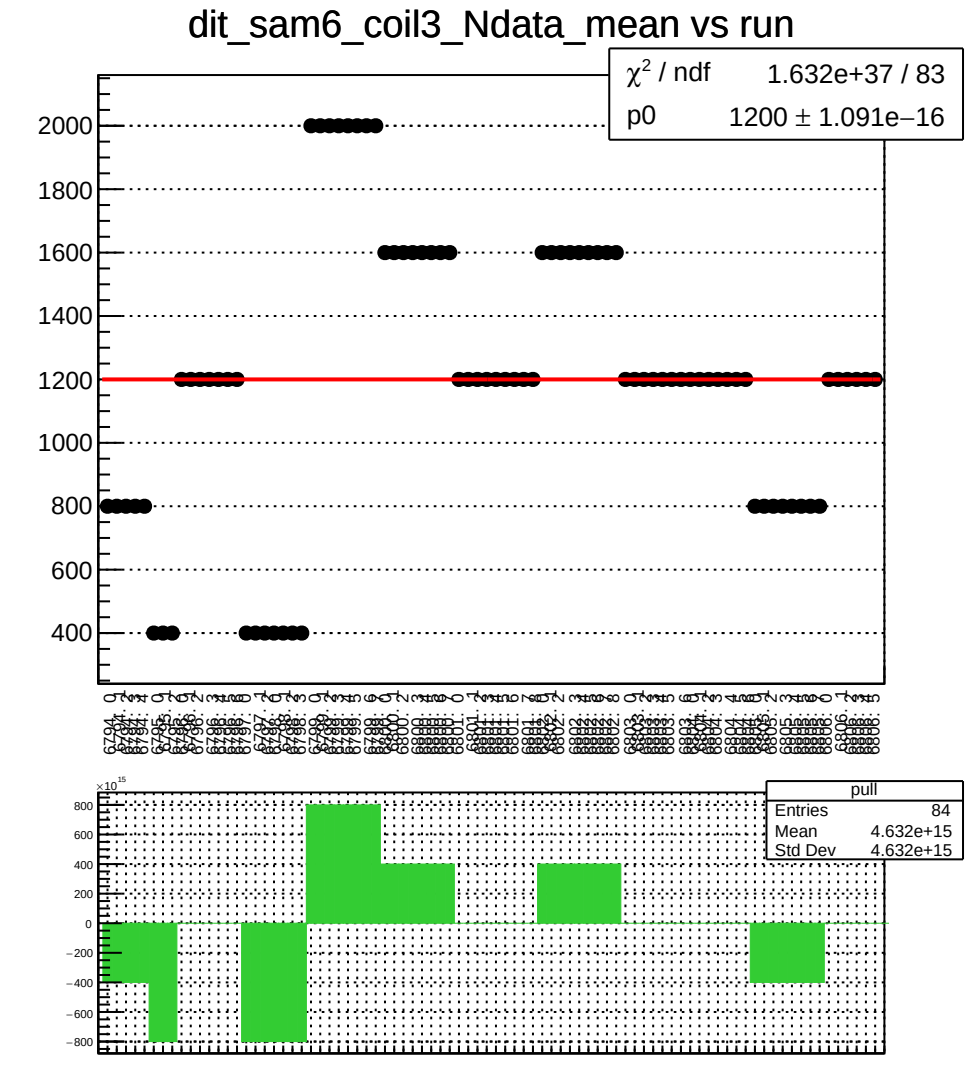

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

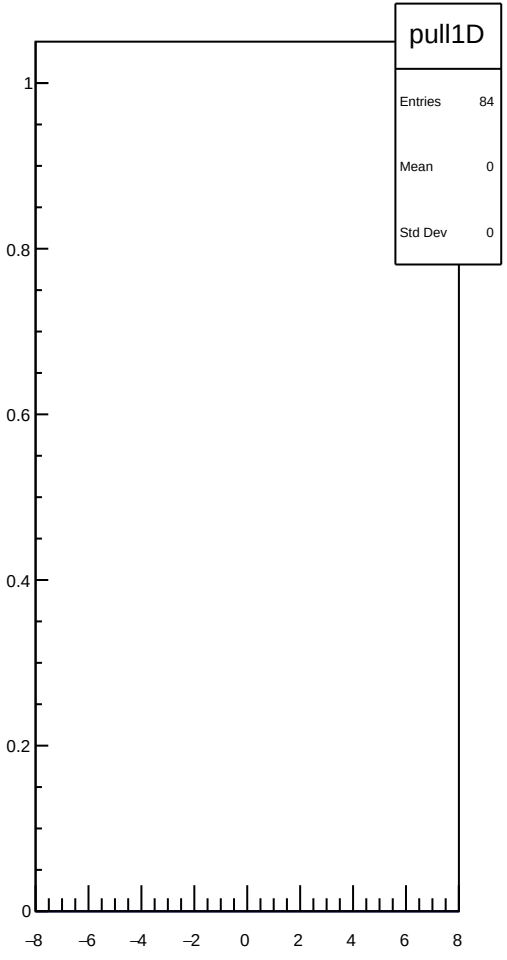

dit_sam6_coil3_mean vs run
χ² / ndf 2.828e+36 / 83
p0 −5825 ± 1.091e−16
−5400
−5600
−5800
−6000
−6200
−6400
pull
Entries 84
Mean 8.584e+09
Std Dev 8.584e+09
×10¹⁵
400
200
0
−200
−400

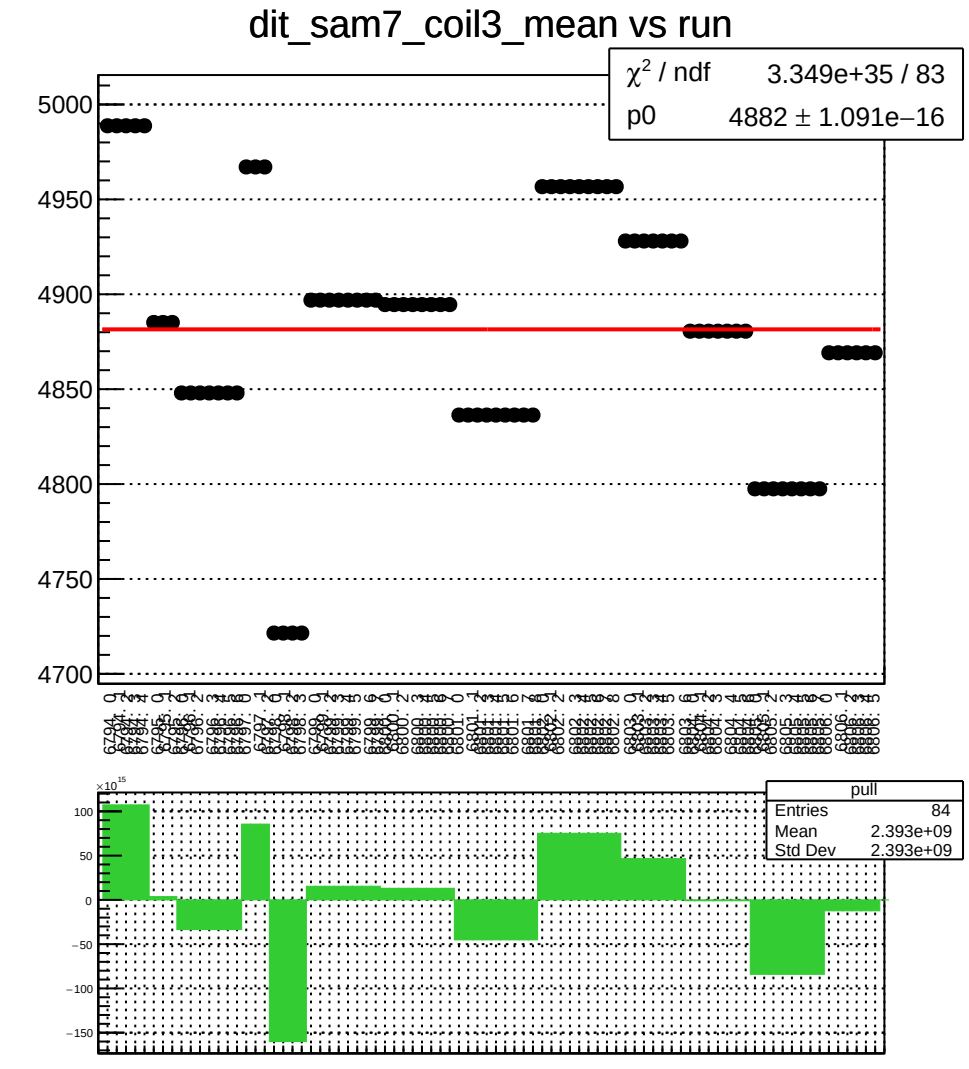

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

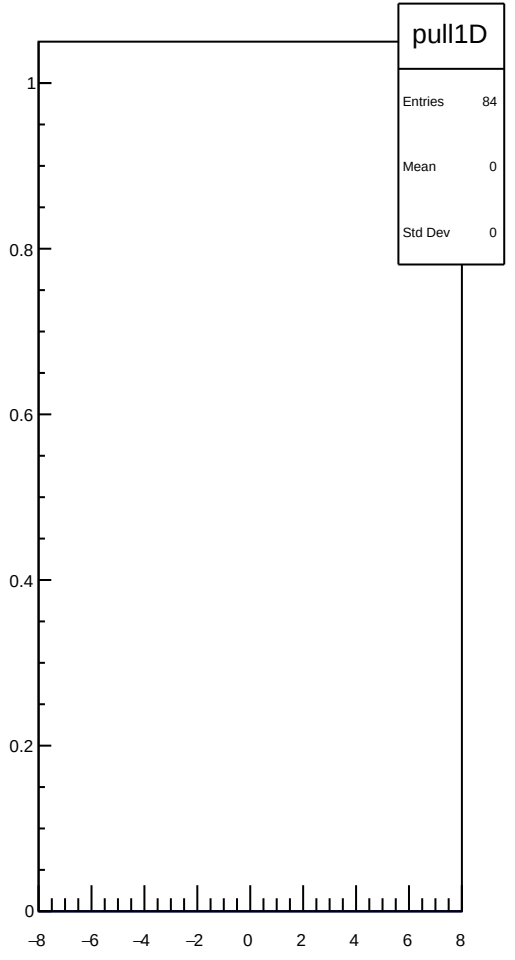

dit_sam6_coil3_err_mean vs run
χ² / ndf 9.373e+34 / 83
p0 152.3 ± 1.091e−16
240
220
200
180
160
140
120
100
pull
Entries 84
Mean 3.393e+08
Std Dev 3.393e+08
×10¹⁵
80
60
40
20
0
−20
−40

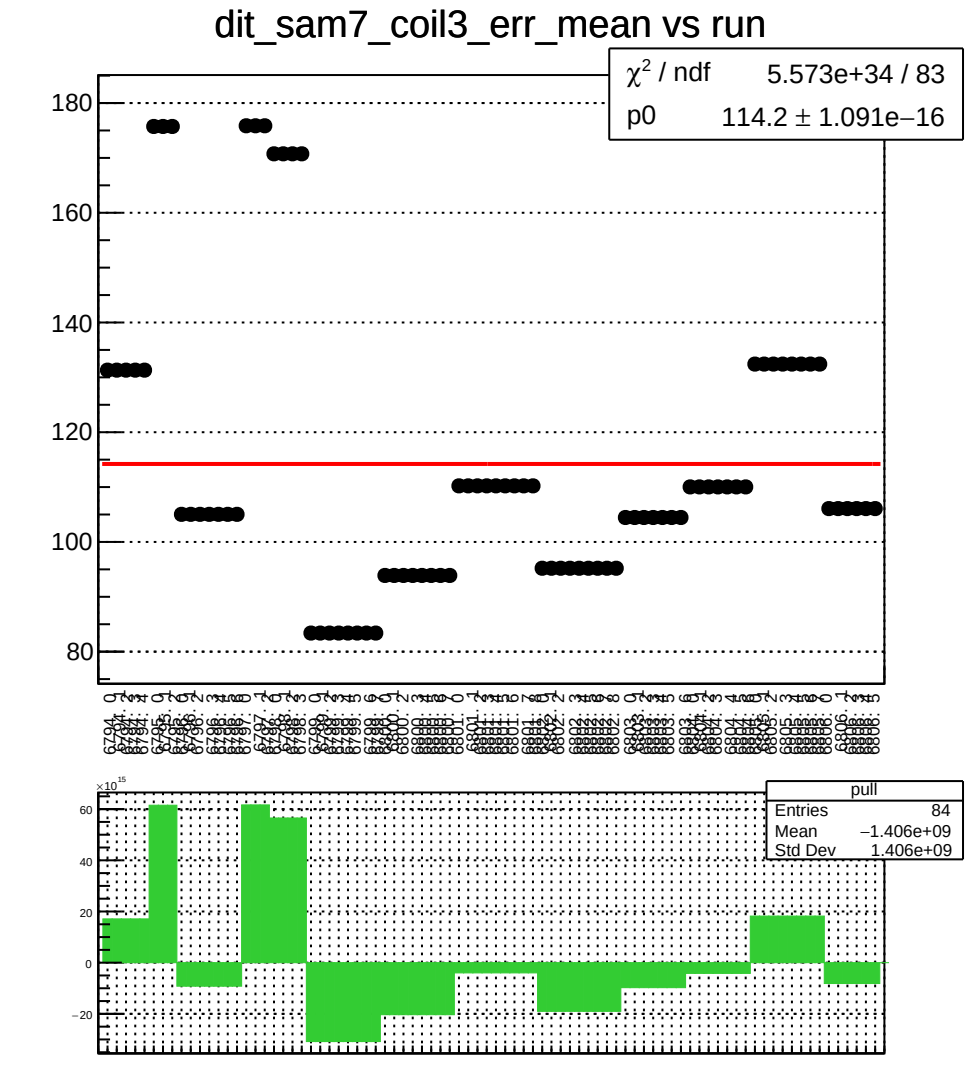

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

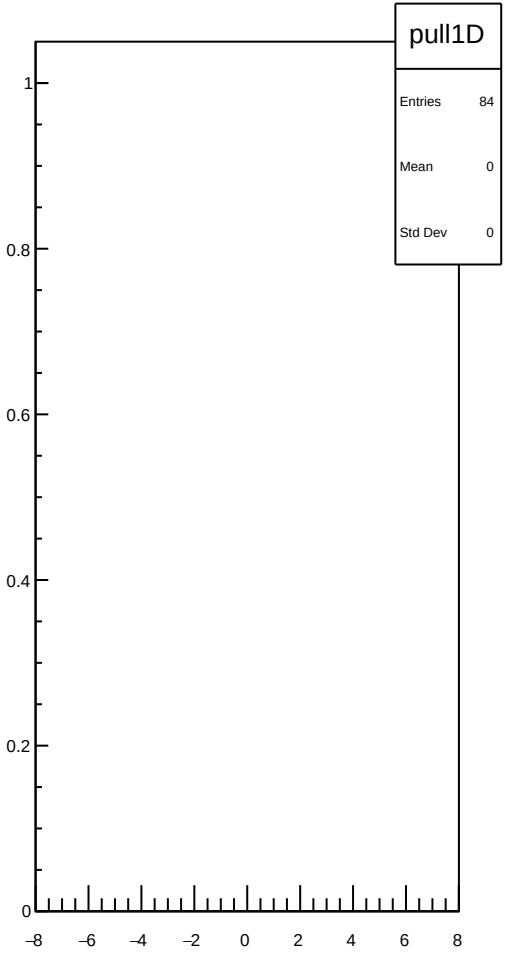

dit_sam6_coil3_Ndata_mean vs run
χ² / ndf 1.632e+37 / 83
p0 1200 ± 1.091e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean 4.632e+15
Std Dev 4.632e+15
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800

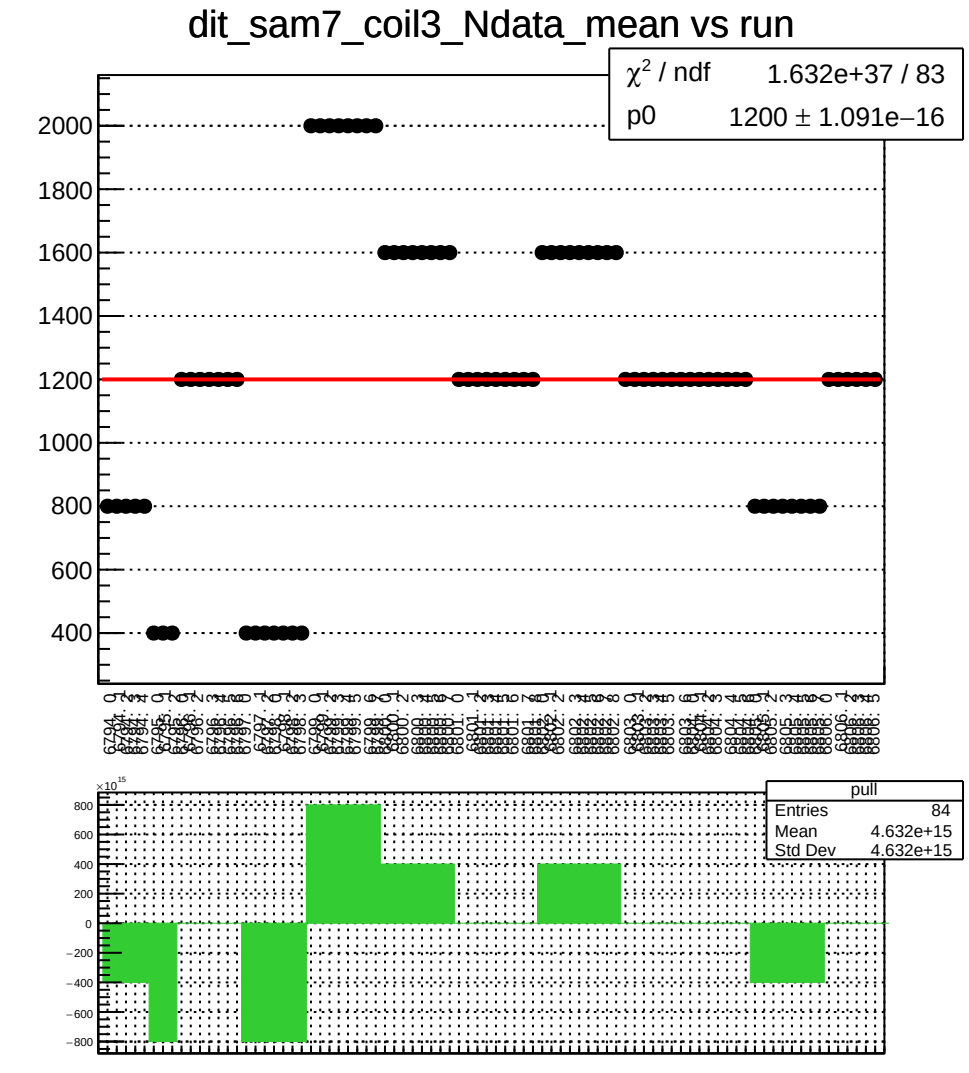

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

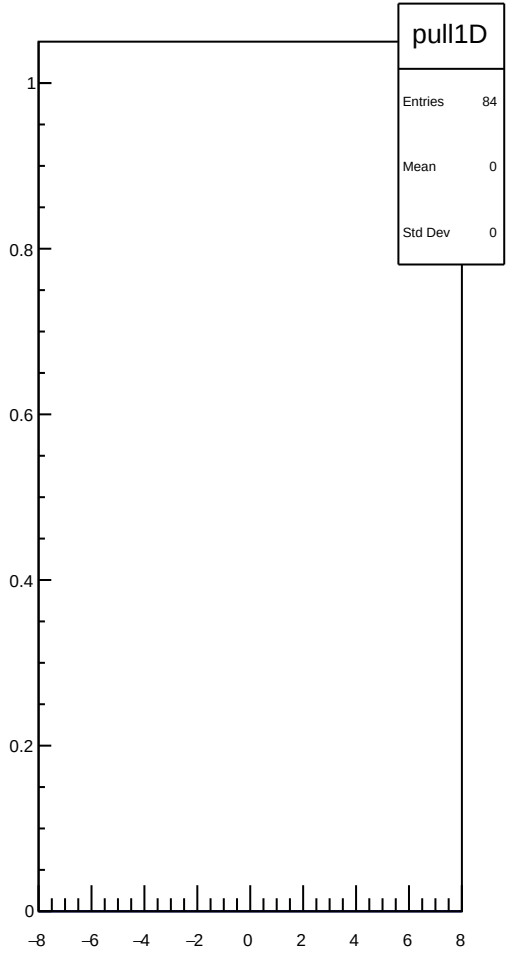

dit_sam7_coil3_mean vs run
χ² / ndf 3.349e+35 / 83
p0 4882 ± 1.091e−16
5000
4950
4900
4850
4800
4750
4700
pull
Entries 84
Mean 2.393e+09
Std Dev 2.393e+09
×10¹⁵
100
50
0
−50
−100
−150

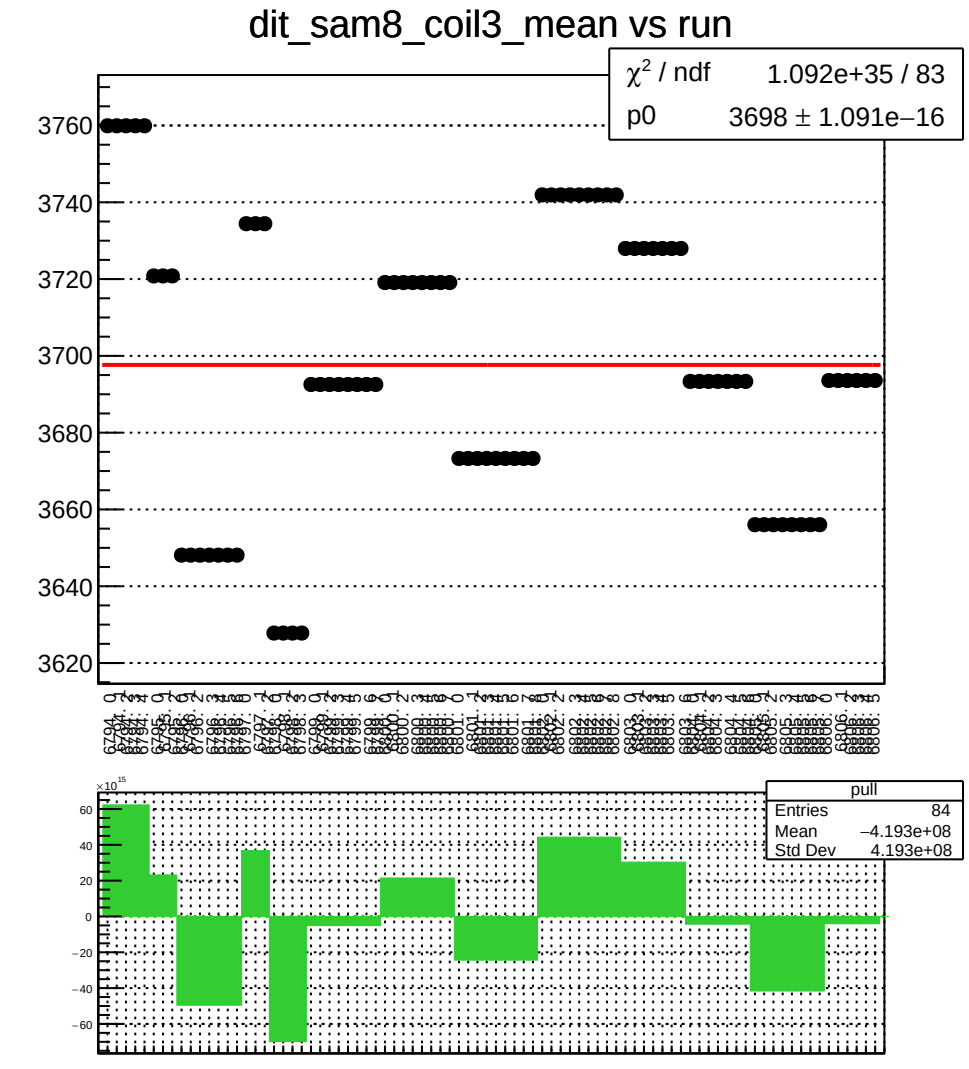

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

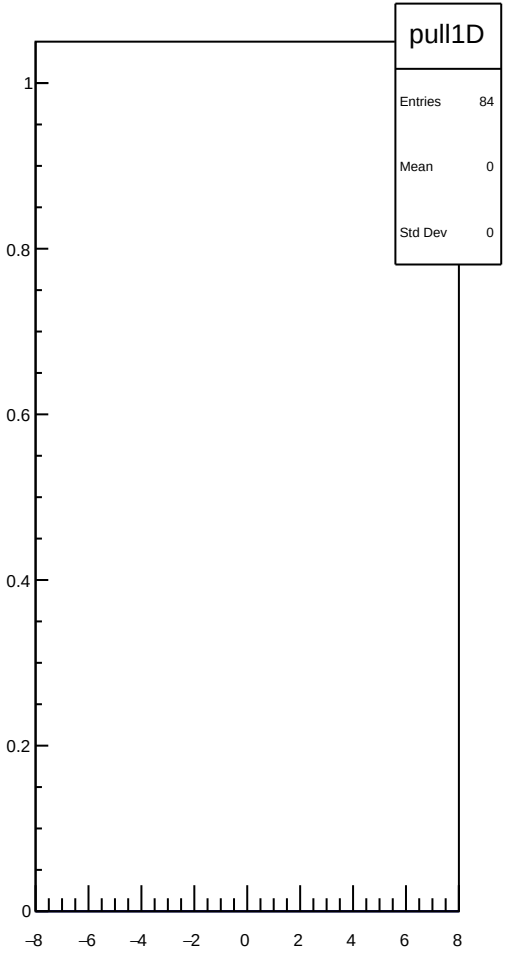

dit_sam7_coil3_err_mean vs run
χ² / ndf 5.573e+34 / 83
p0 114.2 ± 1.091e−16
180
160
140
120
100
80
pull
Entries 84
Mean −1.406e+09
Std Dev 1.406e+09
×10¹⁵
60
40
20
0
−20

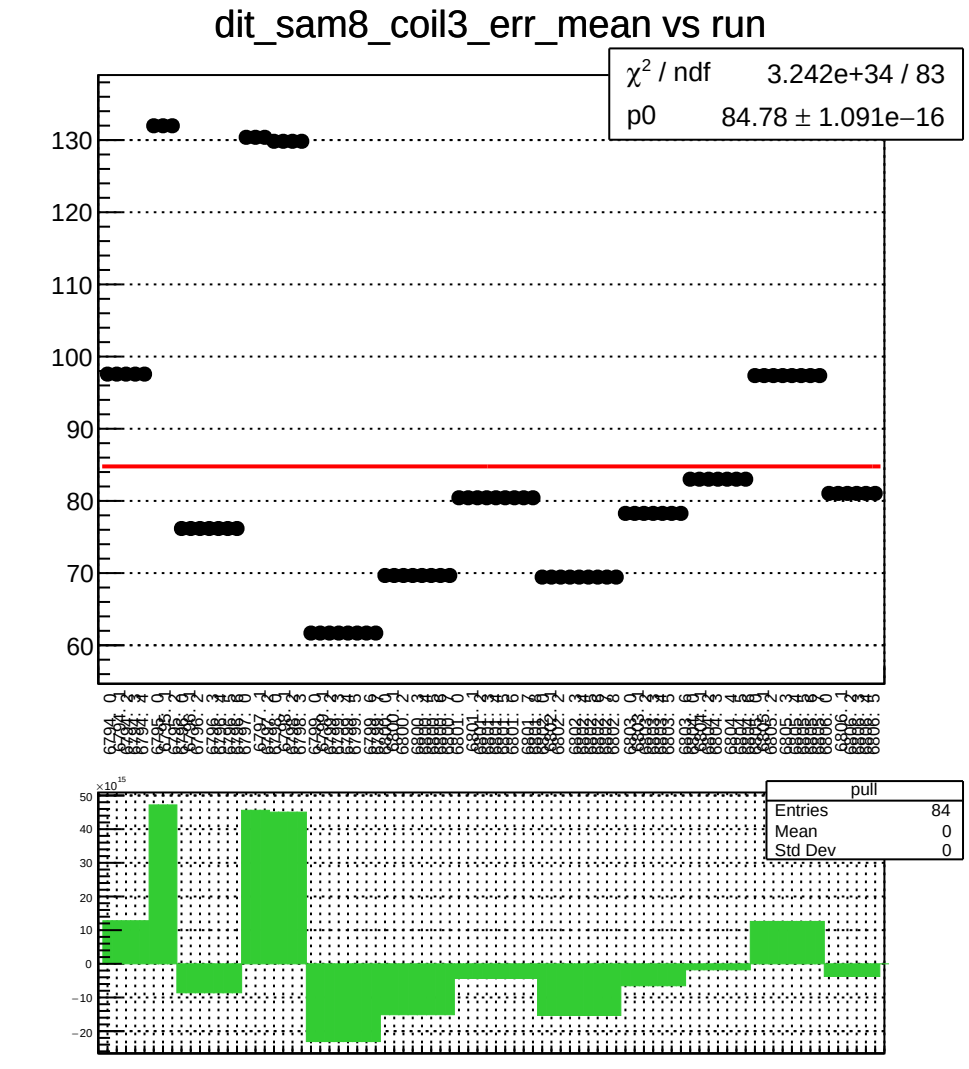

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

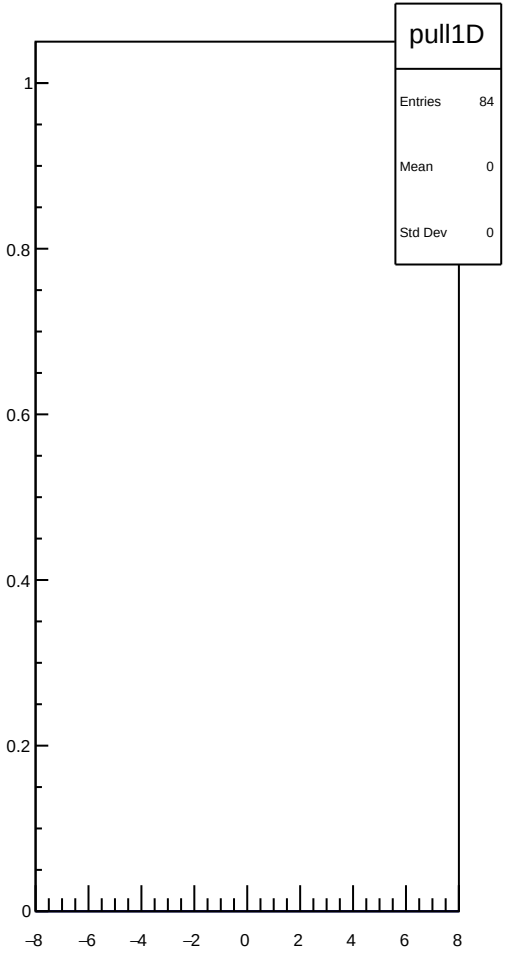

dit_sam7_coil3_Ndata_mean vs run
χ² / ndf 1.632e+37 / 83
p0 1200 ± 1.091e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean 4.632e+15
Std Dev 4.632e+15
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800

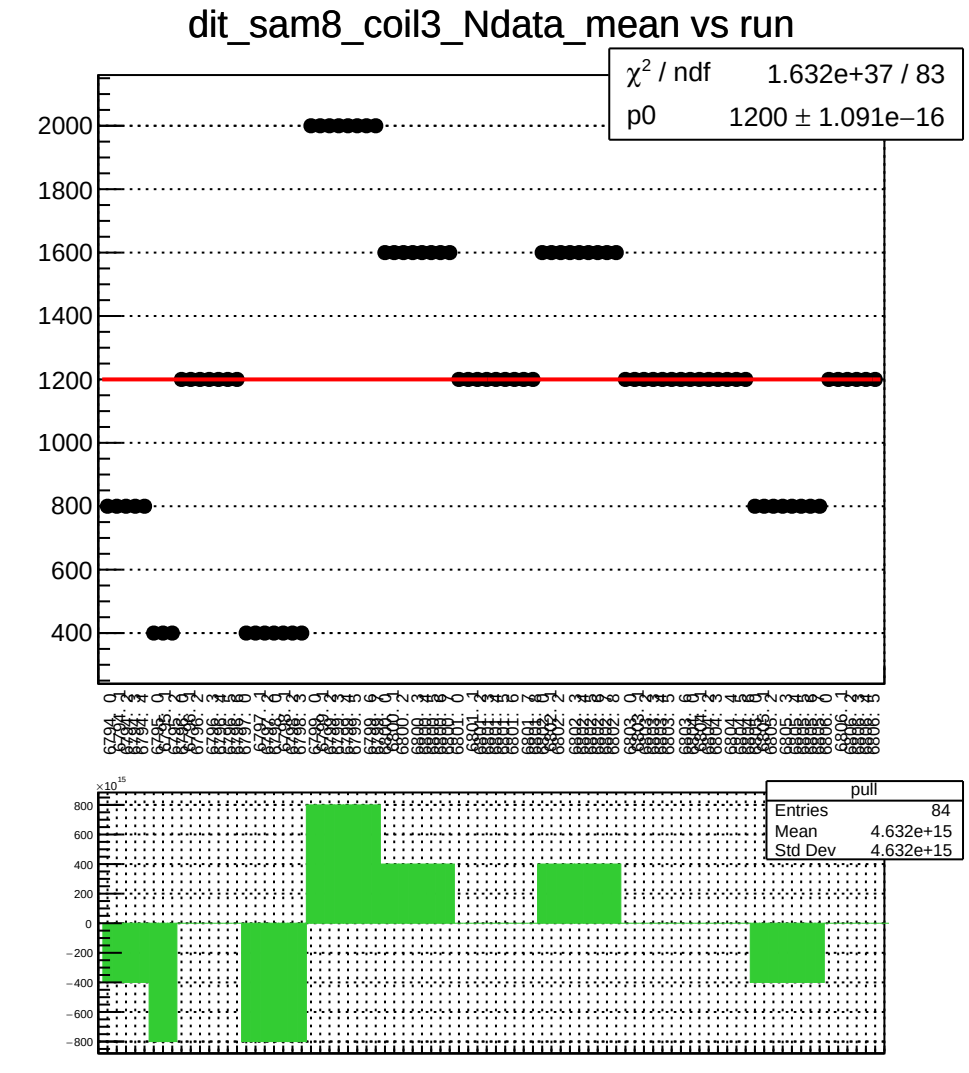

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

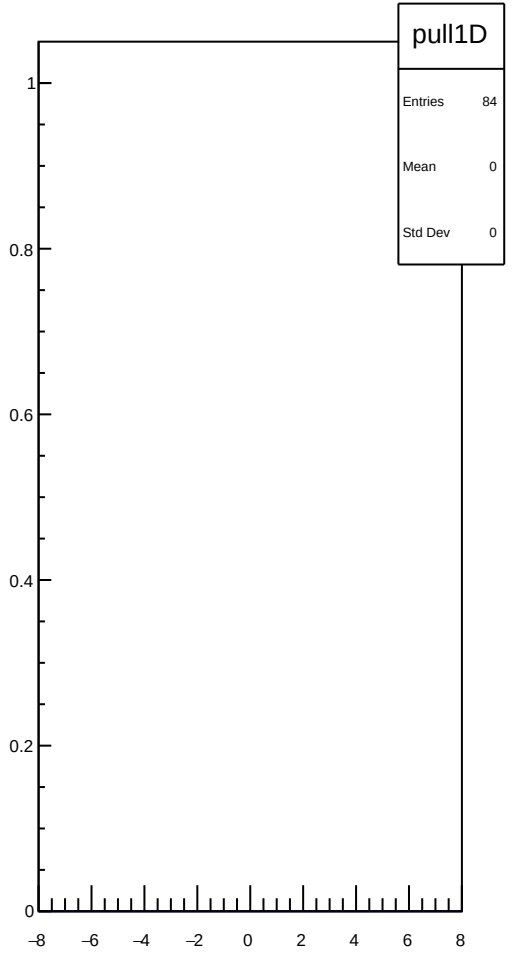

dit_sam8_coil3_mean vs run
χ² / ndf 1.092e+35 / 83
p0 3698 ± 1.091e−16
3760
3740
3720
3700
3680
3660
3640
3620
pull
Entries 84
Mean −4.193e+08
Std Dev 4.193e+08
×10¹⁵
60
40
20
0
−20
−40
−60

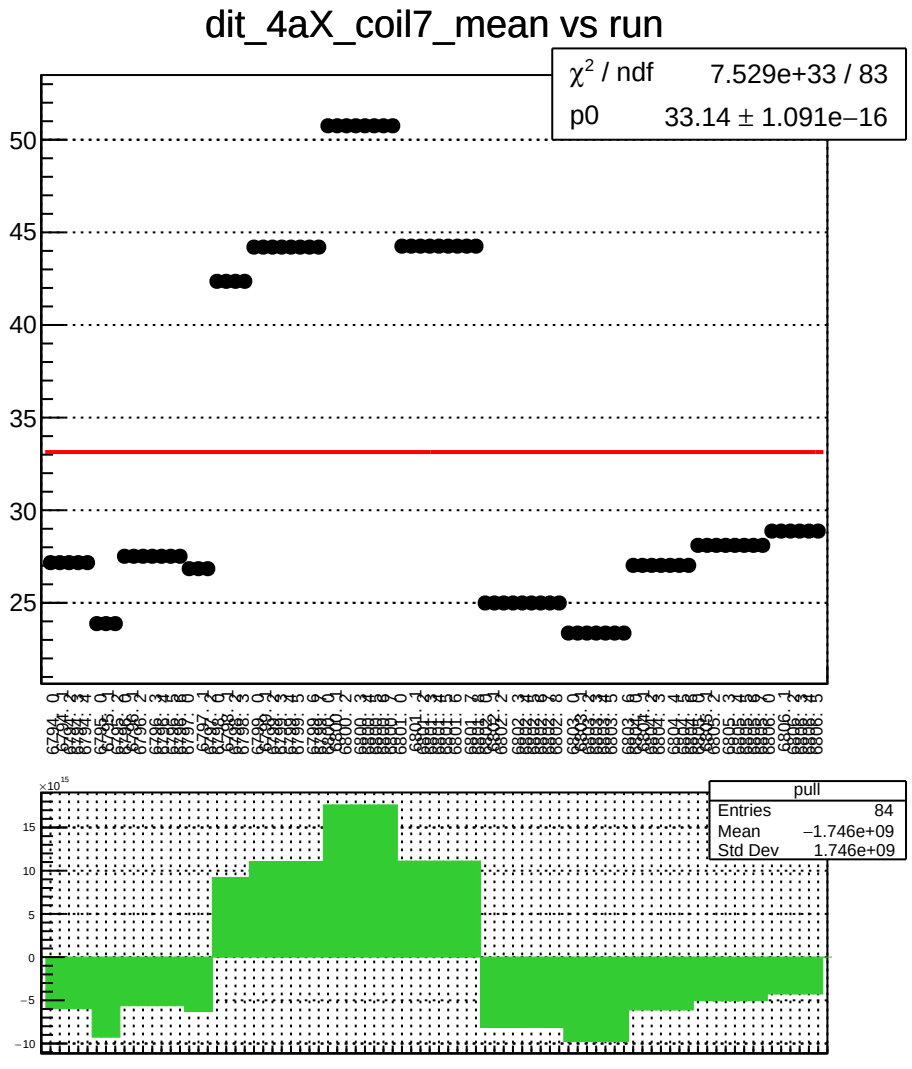

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

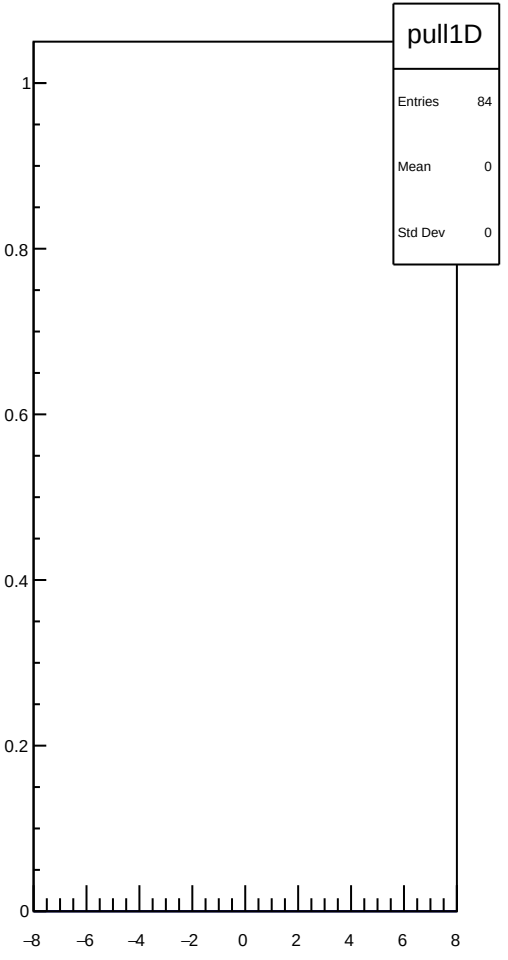

dit_sam8_coil3_err_mean vs run
χ² / ndf 3.242e+34 / 83
p0 84.78 ± 1.091e−16
pull
Entries 84
Mean 0
Std Dev 0

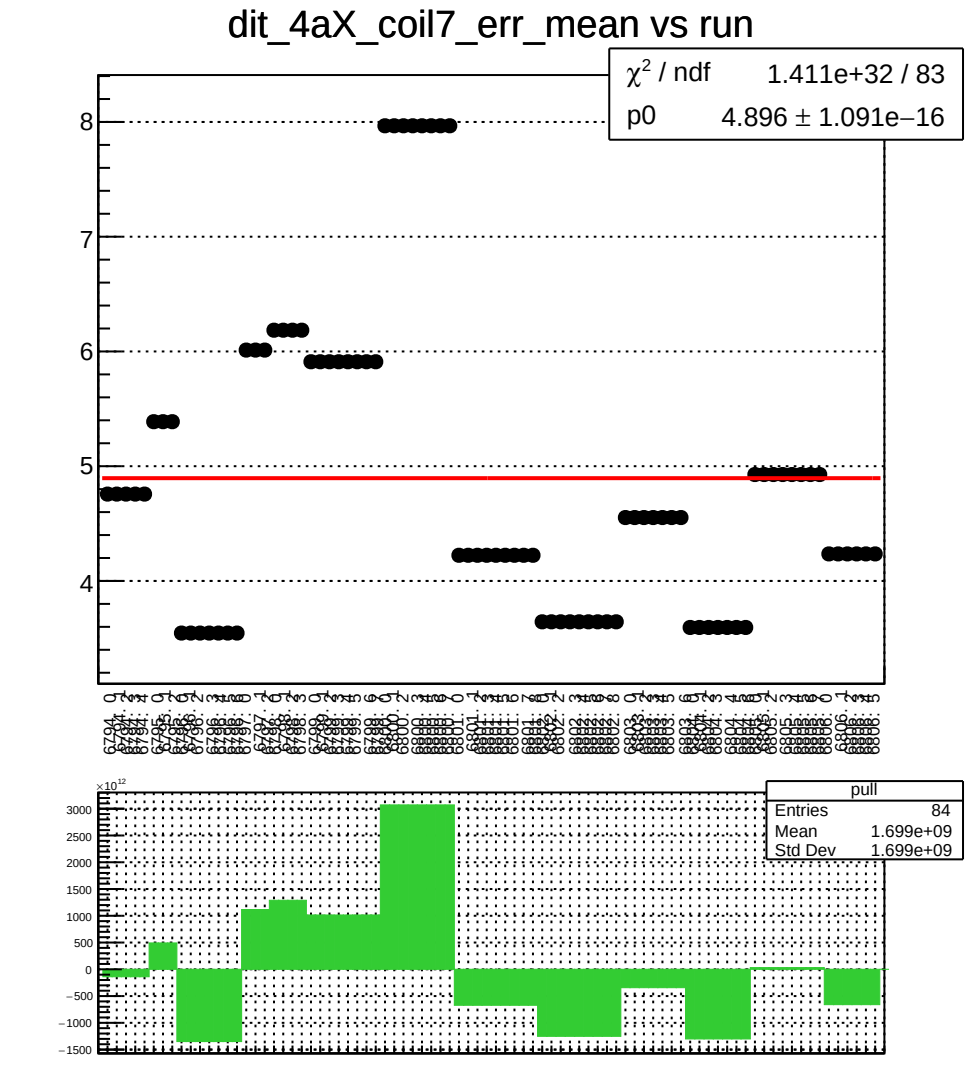

pull1D
Entries 84
Mean 0
Std Dev 0

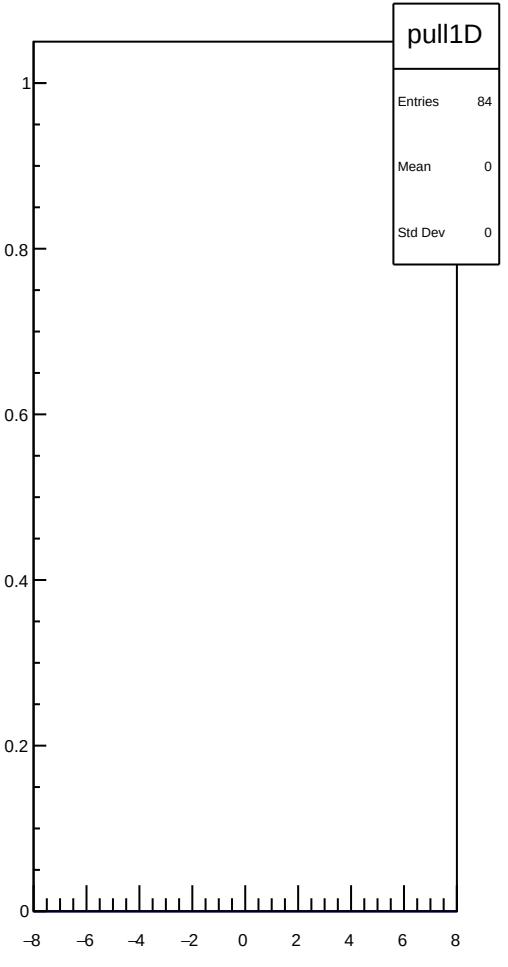

dit_sam8_coil3_Ndata_mean vs run
χ² / ndf 1.632e+37 / 83
p0 1200 ± 1.091e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean 4.632e+15
Std Dev 4.632e+15
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800

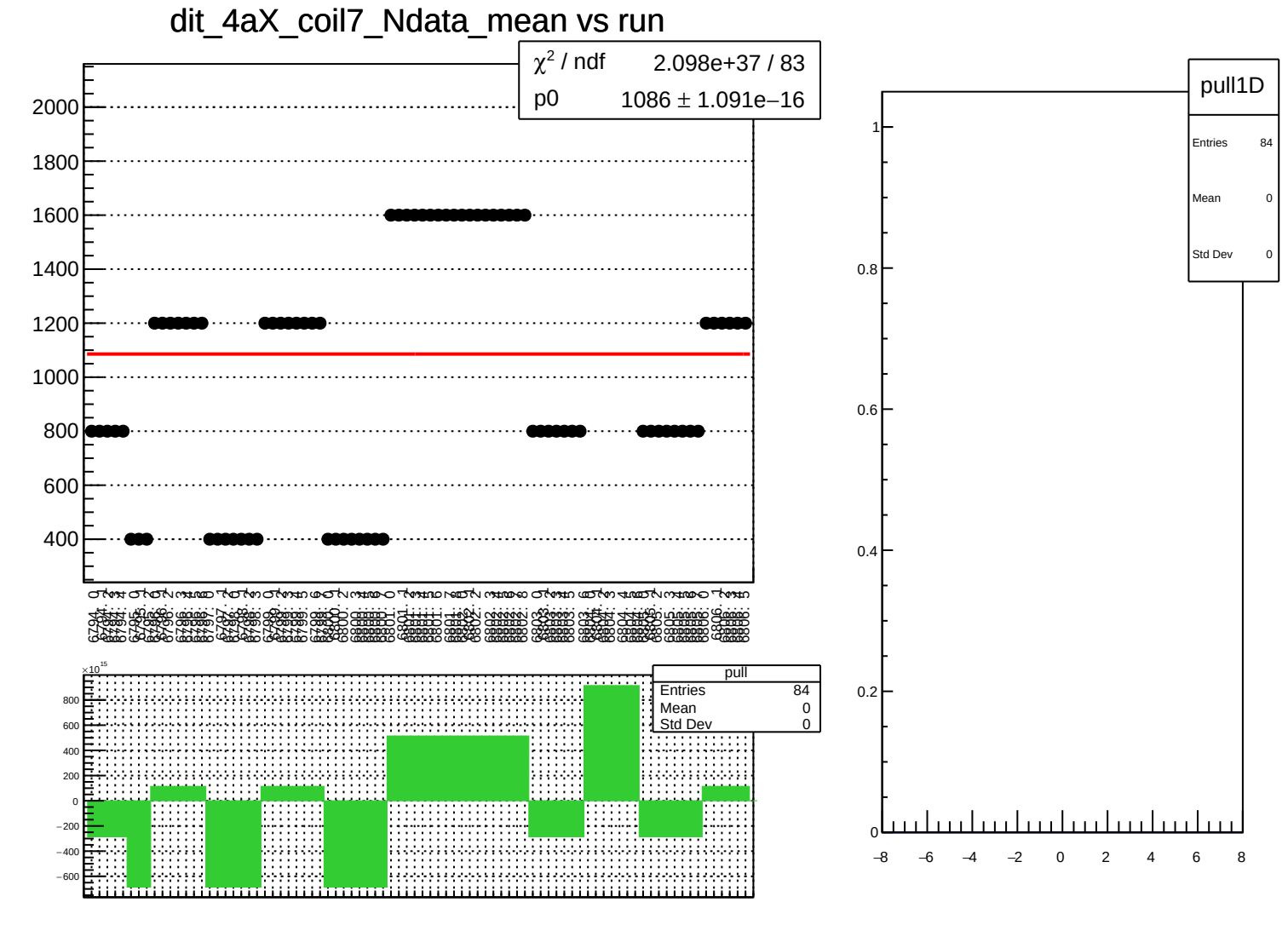

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

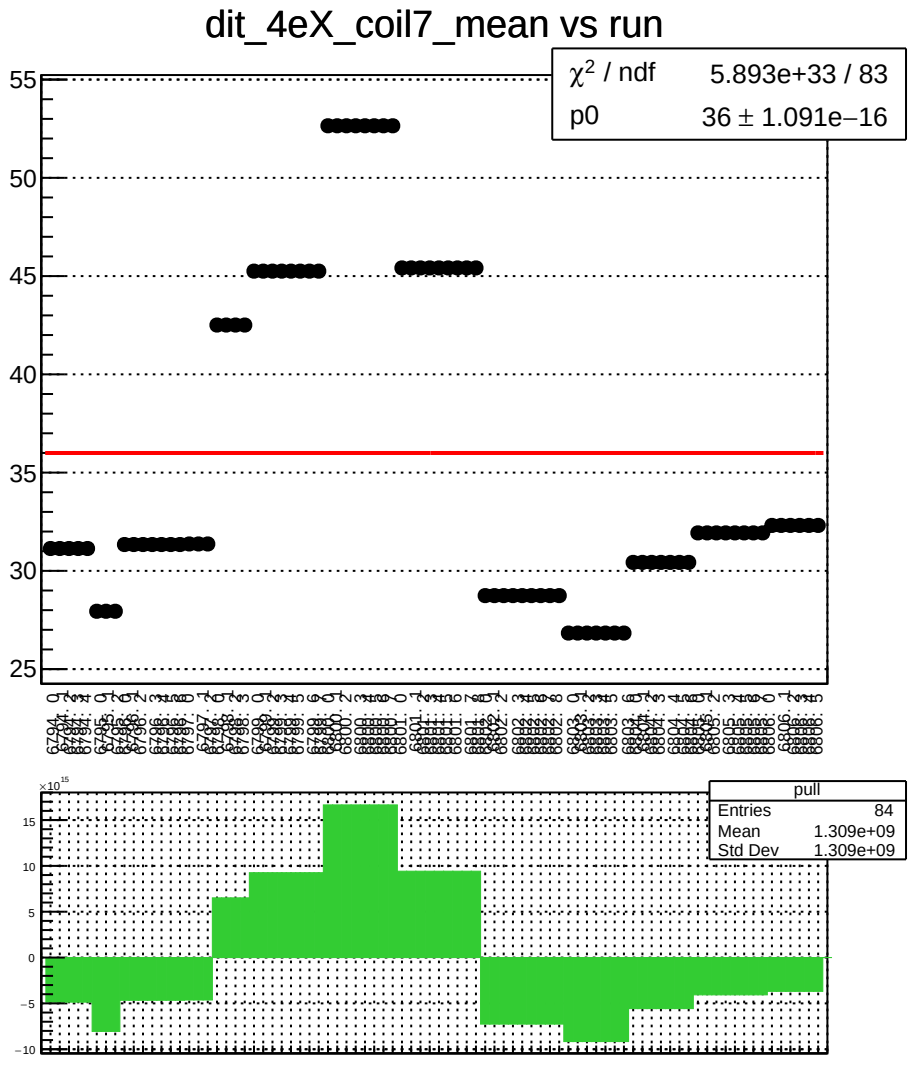

dit_4aX_coil7_mean vs run
χ² / ndf 7.529e+33 / 83
p0 33.14 ± 1.091e−16
pull
Entries 84
Mean −1.746e+09
Std Dev 1.746e+09

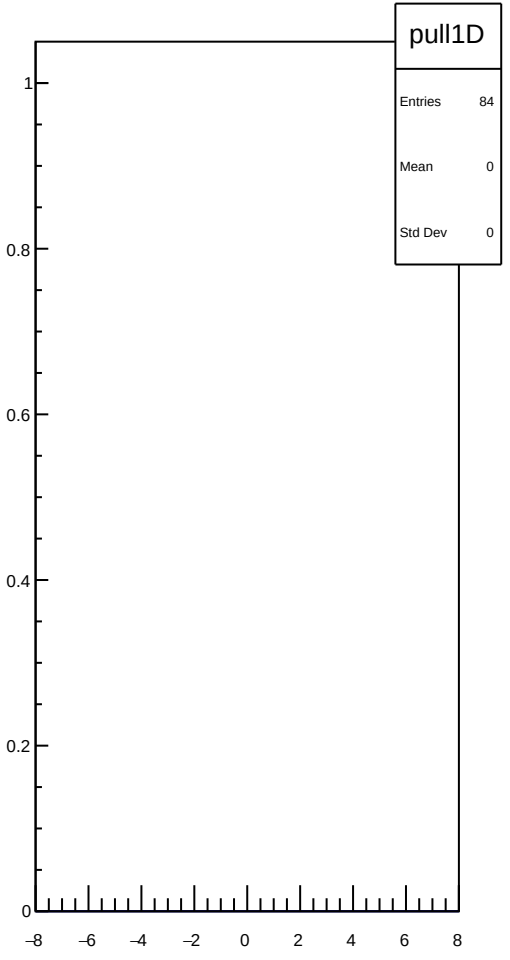

pull1D
Entries 84
Mean 0
Std Dev 0

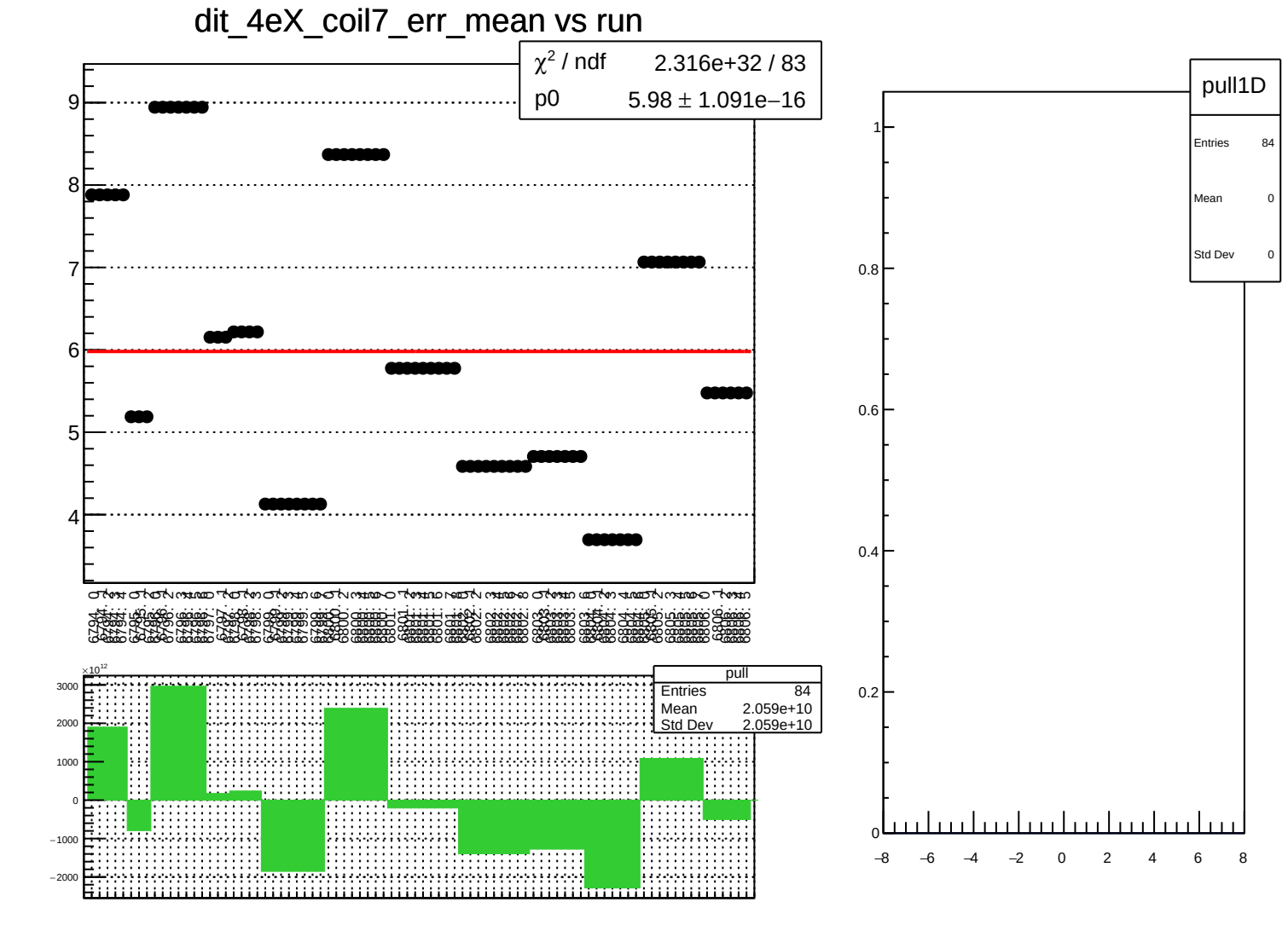

dit_4aX_coil7_err_mean vs run
χ² / ndf 1.411e+32 / 83
p0 4.896 ± 1.091e−16
pull
Entries 84
Mean 1.699e+09
Std Dev 1.699e+09

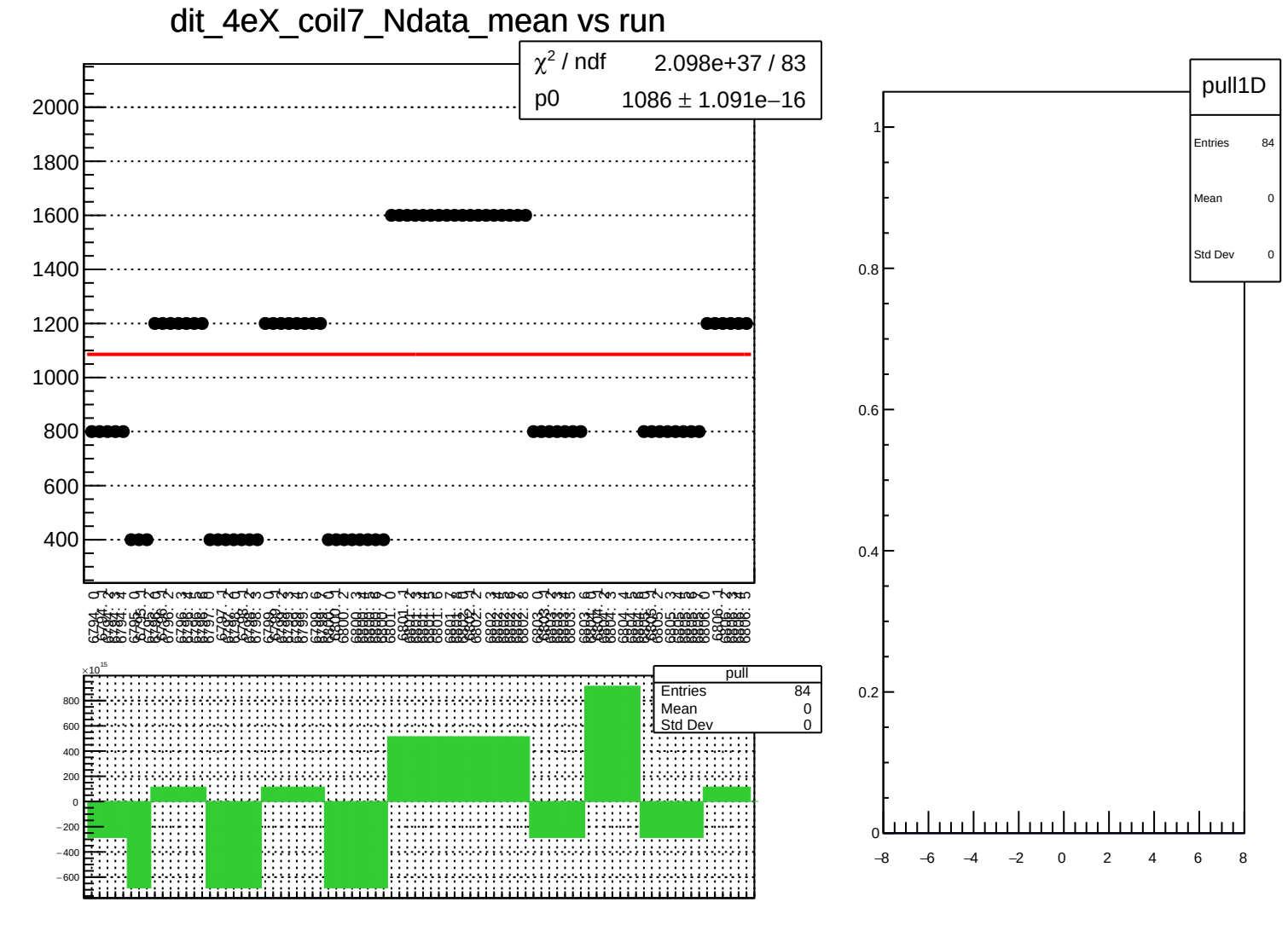

pull1D
Entries 84
Mean 0
Std Dev 0

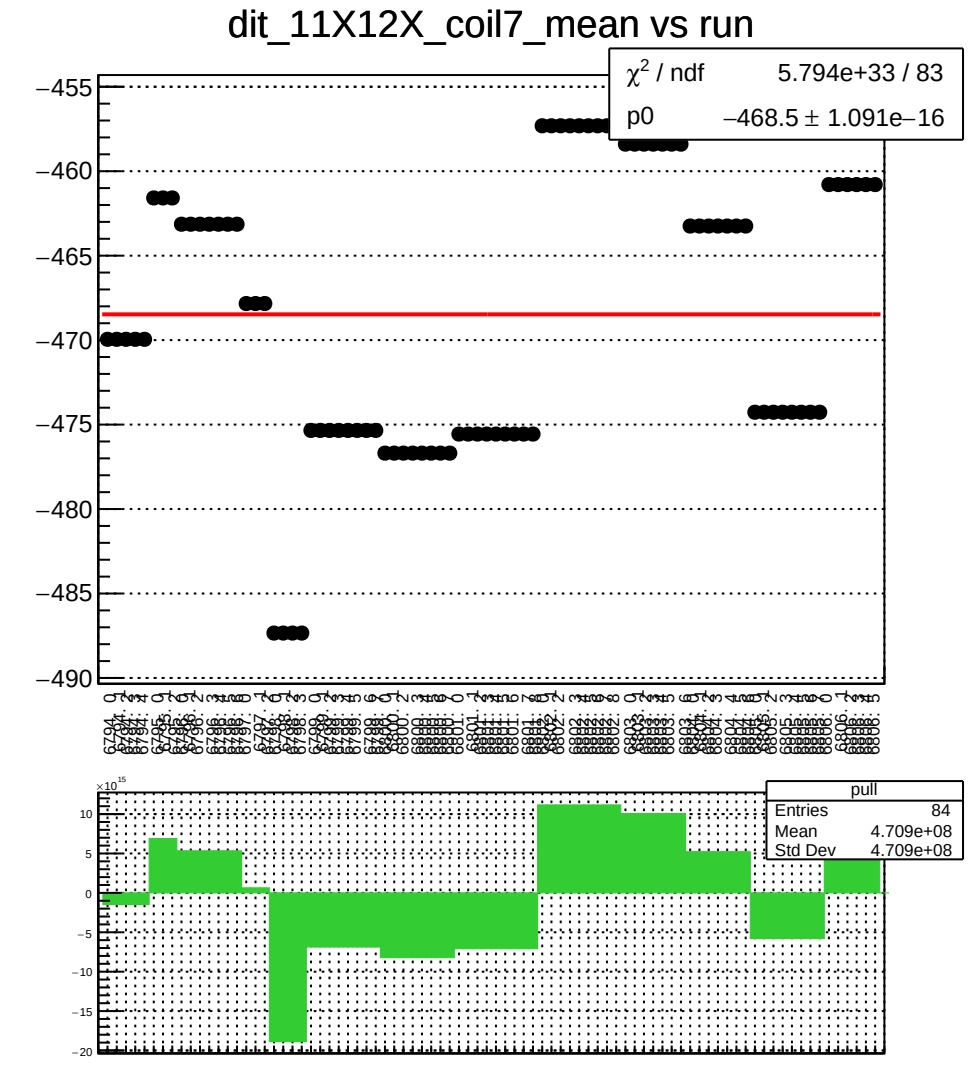

dit_4aX_coil7_Ndata_mean vs run
χ² / ndf 2.098e+37 / 83
p0 1086 ± 1.091e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean 0
Std Dev 0
×10¹⁵
800
600
400
200
0
−200
−400
−600
pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

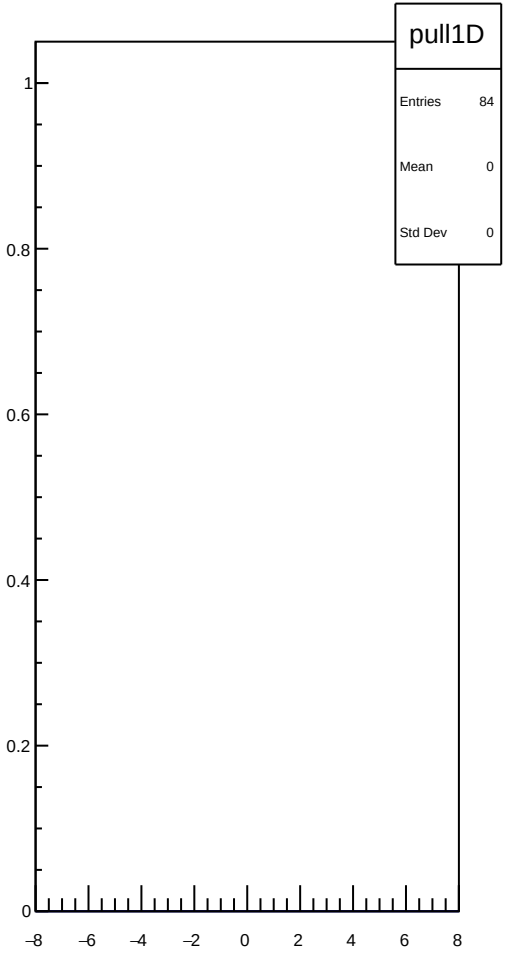

dit_4eX_coil7_mean vs run
χ² / ndf 5.893e+33 / 83
p0 36 ± 1.091e−16
pull
Entries 84
Mean 1.309e+09
Std Dev 1.309e+09

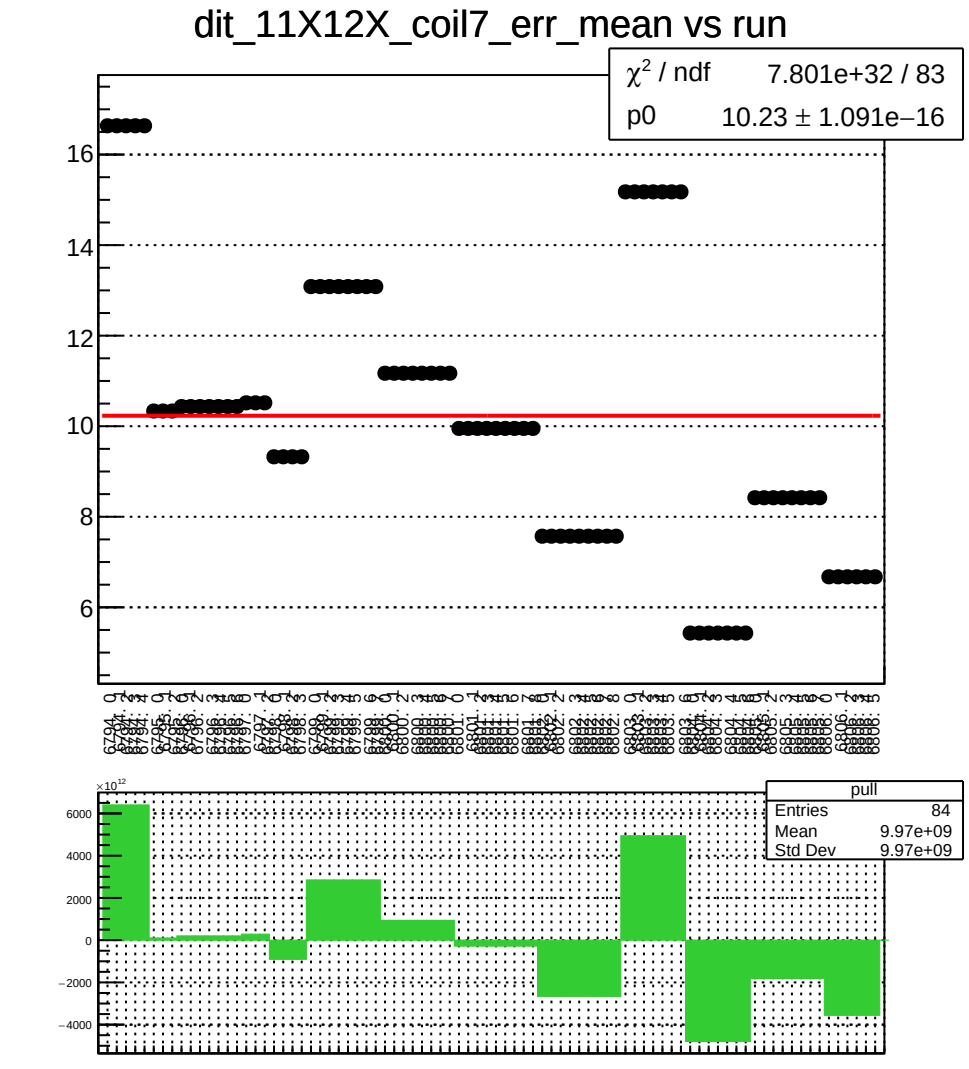

pull1D
Entries 84
Mean 0
Std Dev 0

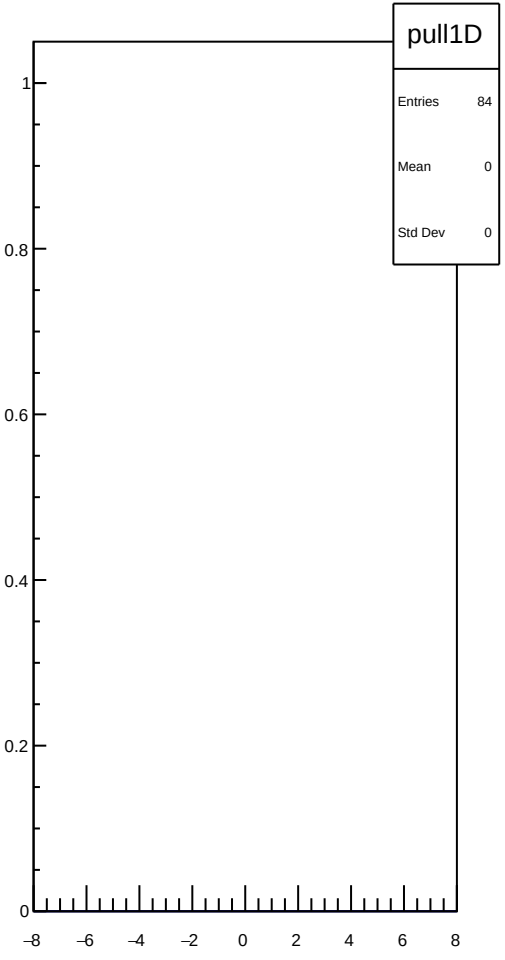

dit_4eX_coil7_err_mean vs run
χ² / ndf 2.316e+32 / 83
p0 5.98 ± 1.091e−16
pull
Entries 84
Mean 2.059e+10
Std Dev 2.059e+10
pull1D
Entries 84
Mean 0
Std Dev 0

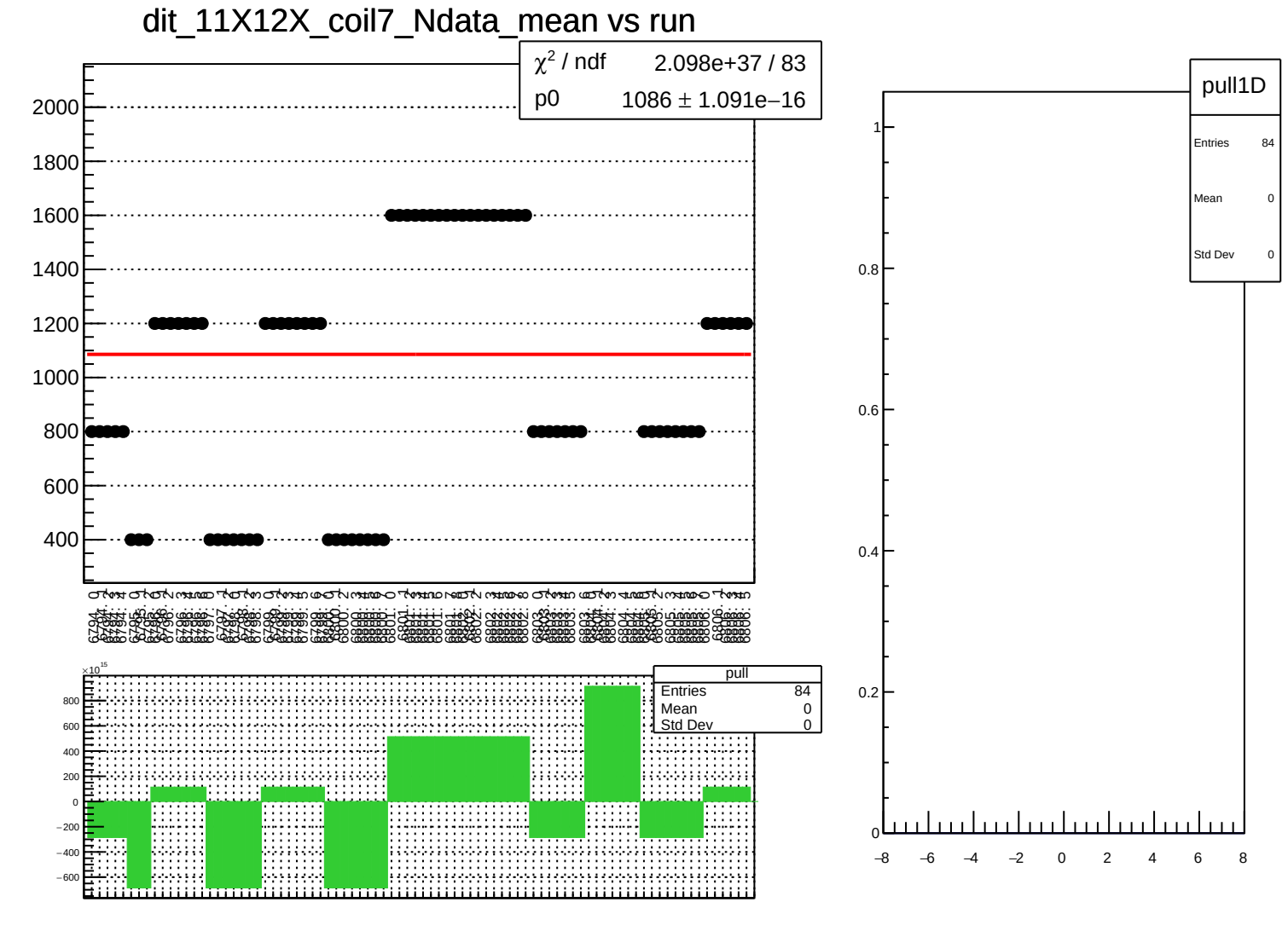

dit_4eX_coil7_Ndata_mean vs run
χ² / ndf 2.098e+37 / 83
p0 1086 ± 1.091e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean 0
Std Dev 0
×10¹⁵
800
600
400
200
0
−200
−400
−600
pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

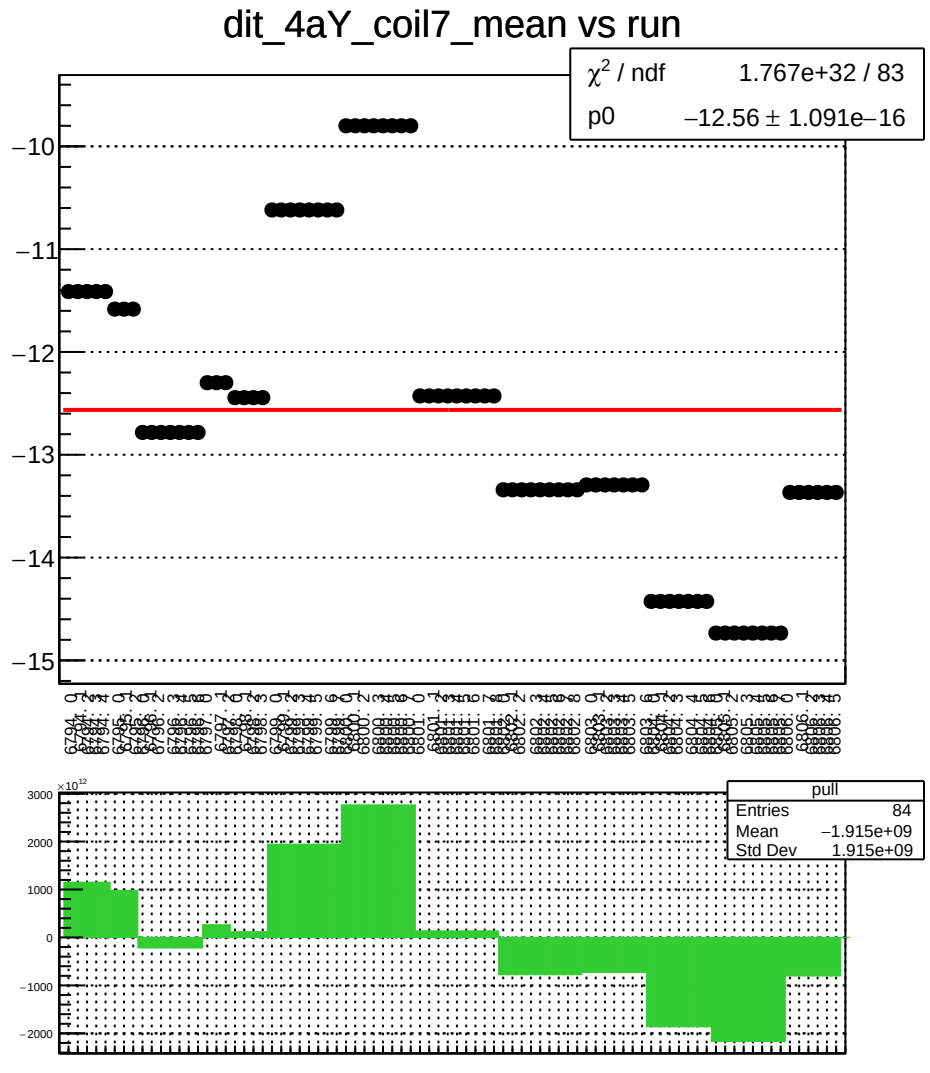

dit_11X12X_coil7_mean vs run
χ² / ndf 5.794e+33 / 83
p0 −468.5 ± 1.091e−16
−455
−460
−465
−470
−475
−480
−485
−490
pull
Entries 84
Mean 4.709e+08
Std Dev 4.709e+08
×10¹⁵
10
5
0
−5
−10
−15
−20

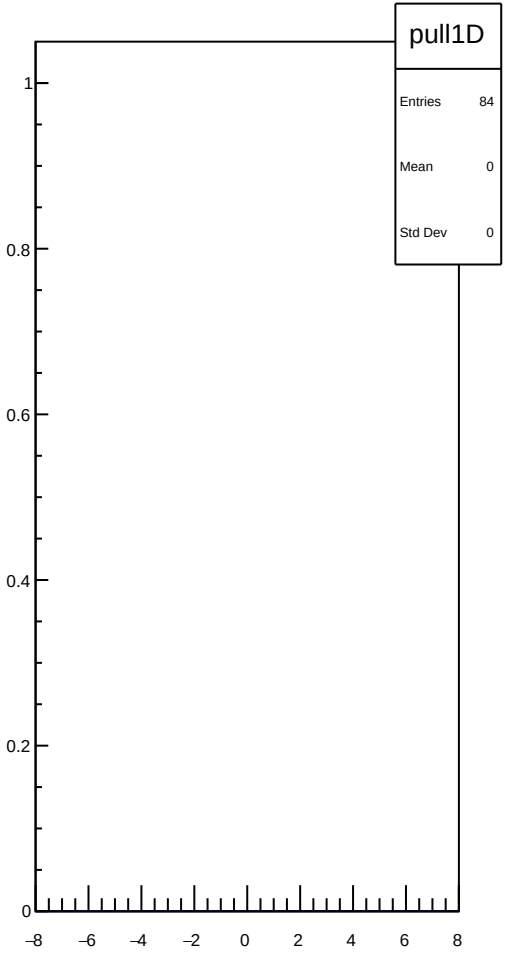

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

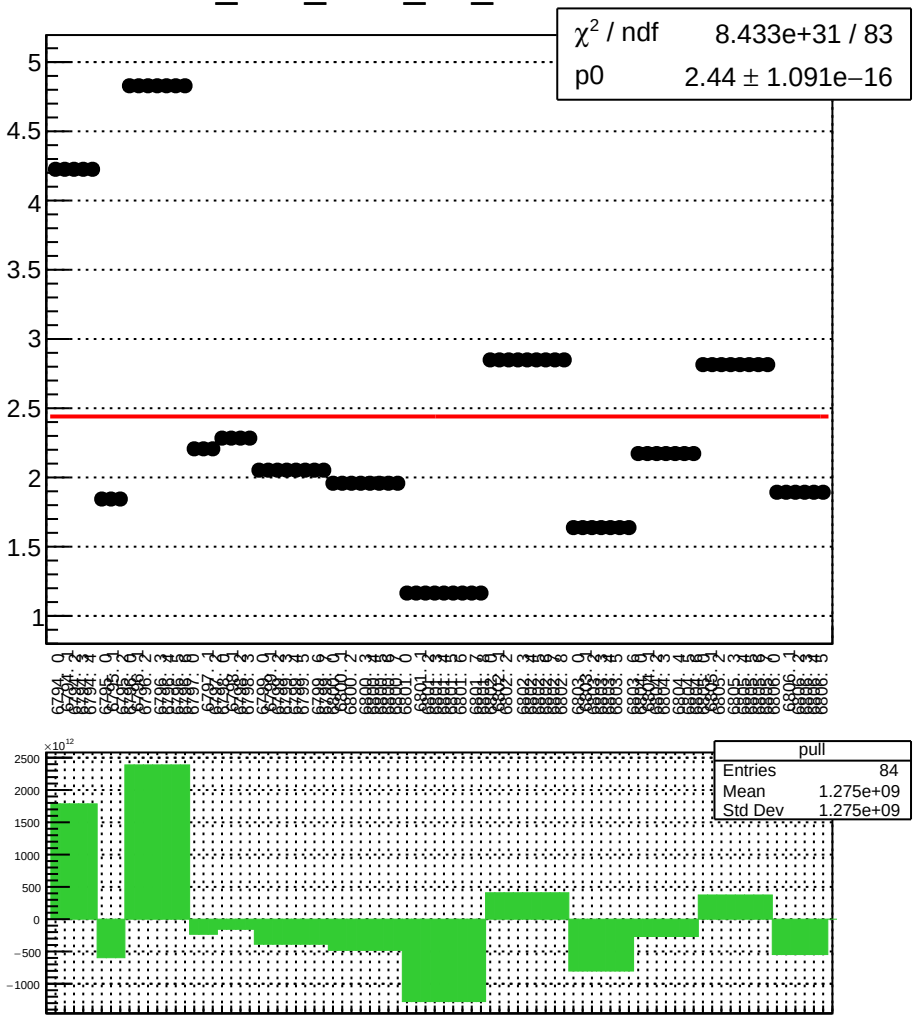

dit_11X12X_coil7_err_mean vs run
χ² / ndf 7.801e+32 / 83
p0 10.23 ± 1.091e−16
pull
Entries 84
Mean 9.97e+09
Std Dev 9.97e+09

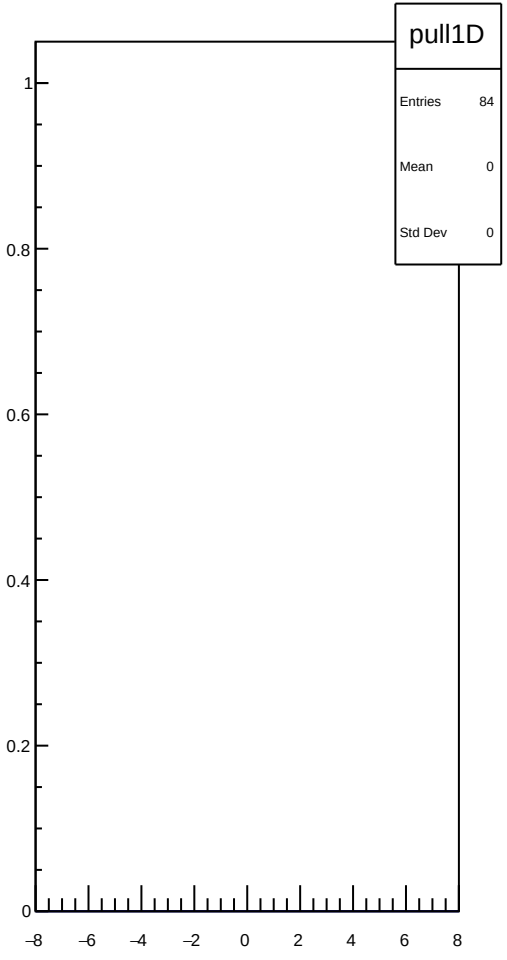

pull1D
Entries 84
Mean 0
Std Dev 0

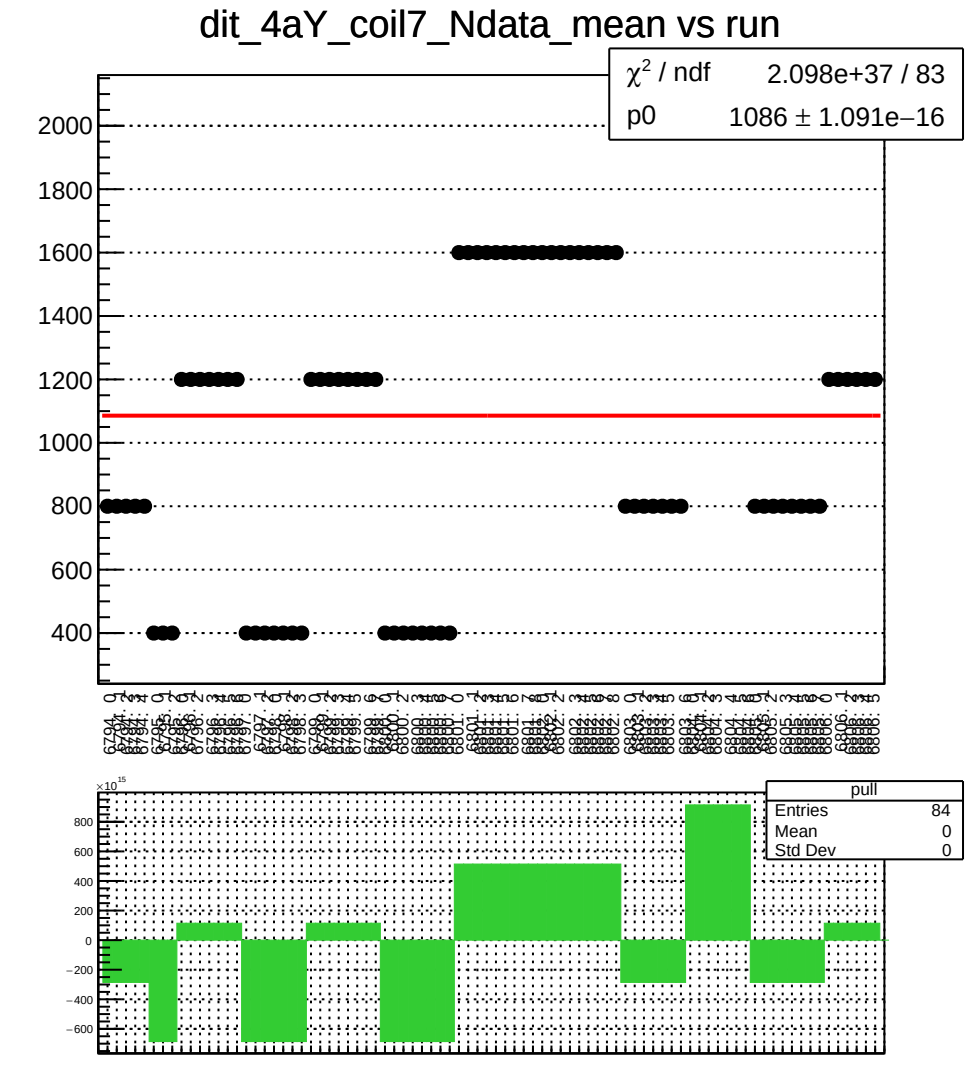

dit_11X12X_coil7_Ndata_mean vs run
χ² / ndf 2.098e+37 / 83
p0 1086 ± 1.091e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean 0
Std Dev 0
×10¹⁵
800
600
400
200
0
−200
−400
−600
pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

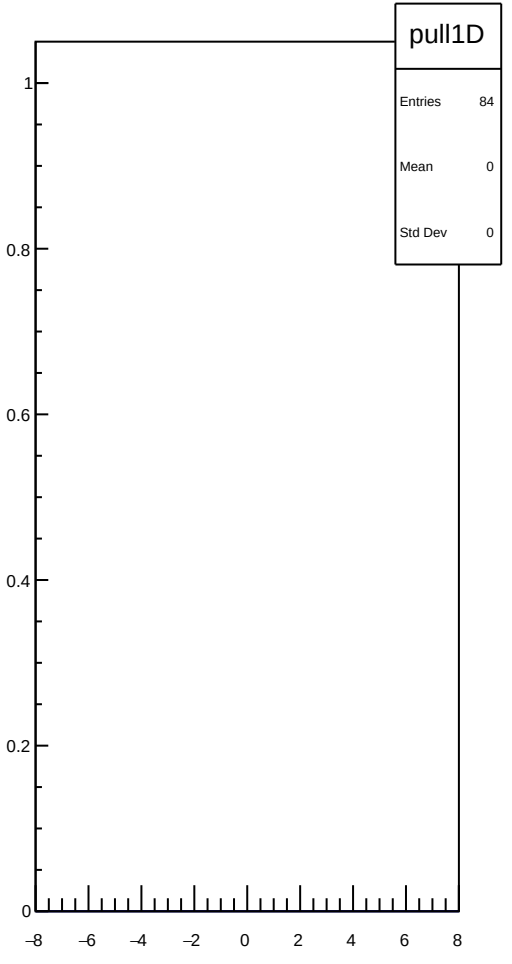

dit_4aY_coil7_mean vs run
χ² / ndf 1.767e+32 / 83
p0 −12.56 ± 1.091e−16
−10
−11
−12
−13
−14
−15
pull
Entries 84
Mean −1.915e+09
Std Dev 1.915e+09
×10¹²
3000
2000
1000
0
−1000
−2000

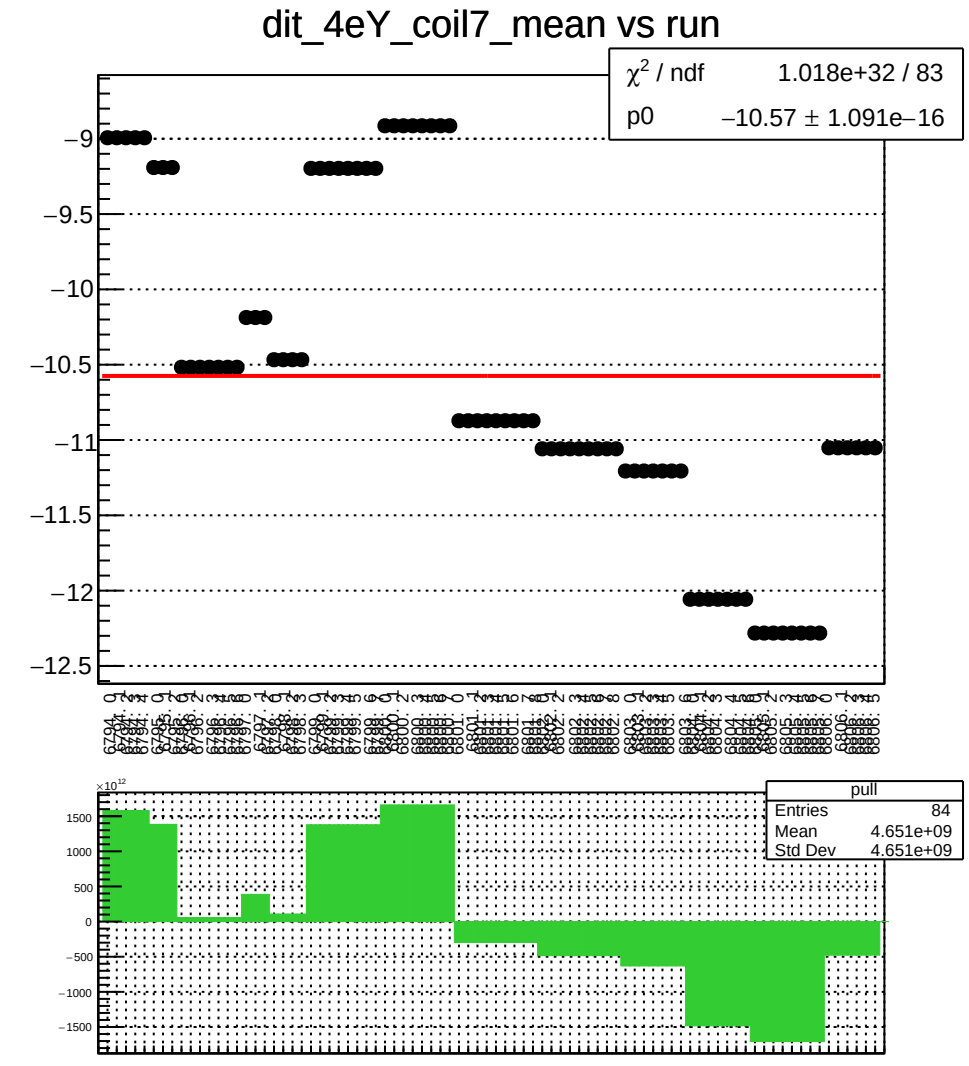

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

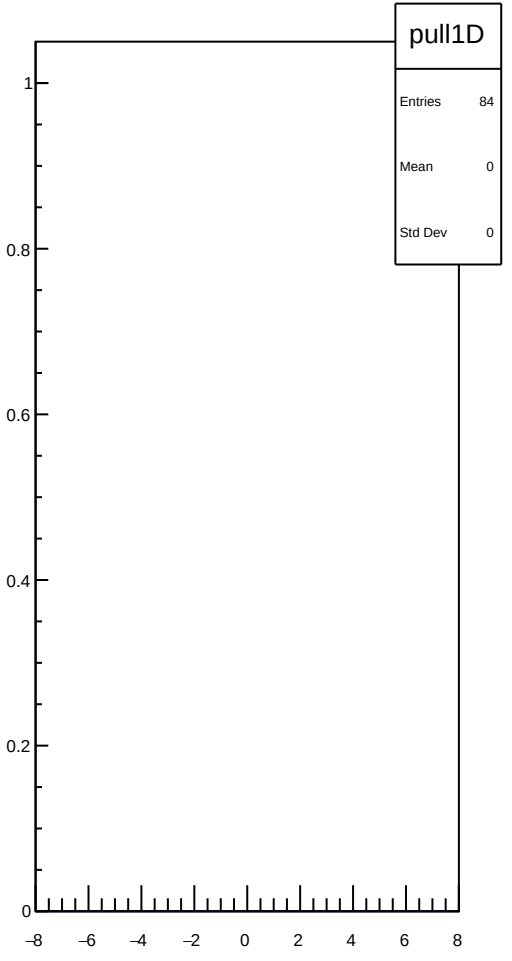

dit_4aY_coil7_err_mean vs run
χ² / ndf 8.433e+31 / 83
p0 2.44 ± 1.091e−16
pull
Entries 84
Mean 1.275e+09
Std Dev 1.275e+09

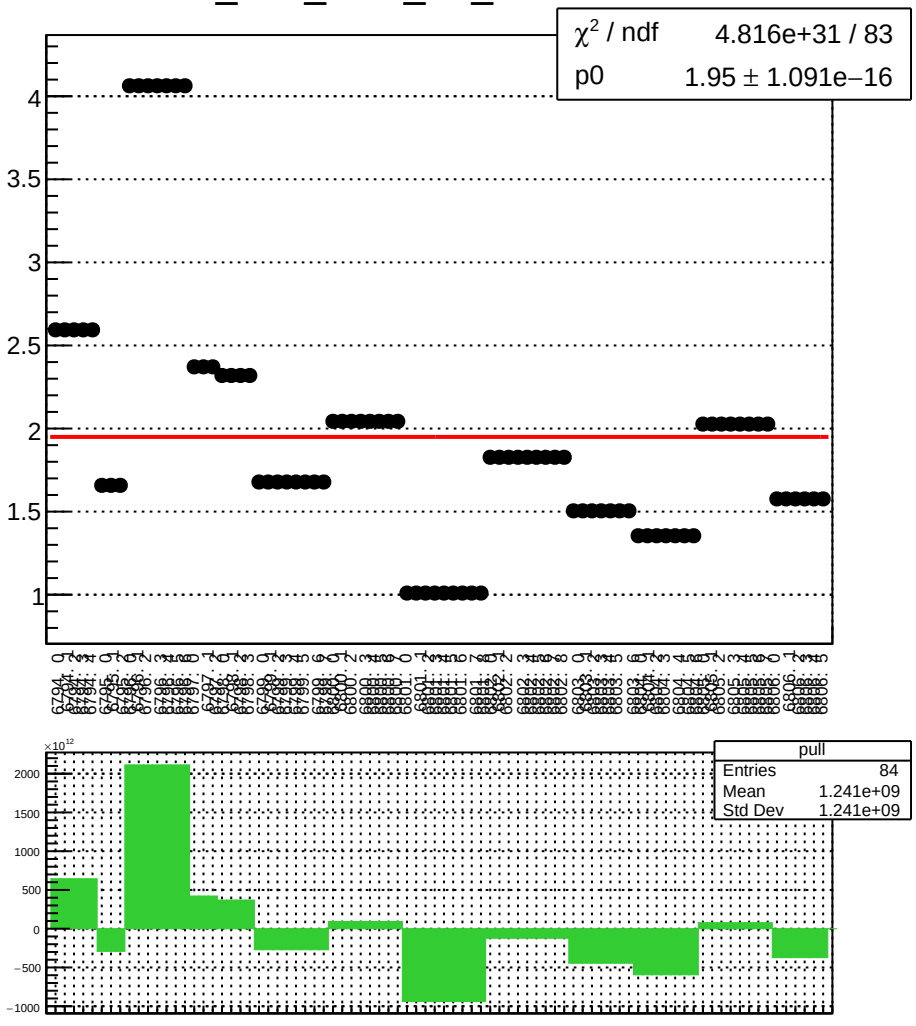

pull1D
Entries 84
Mean 0
Std Dev 0

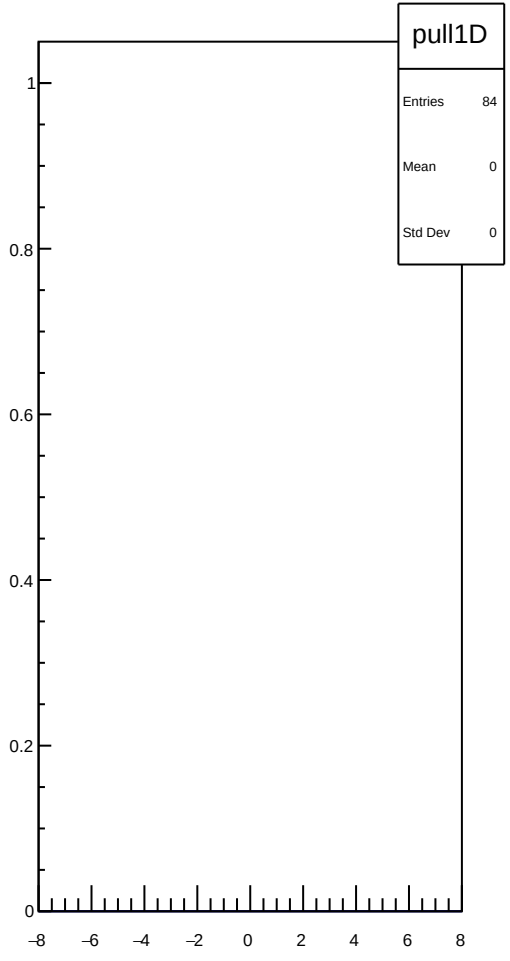

dit_4aY_coil7_Ndata_mean vs run
χ² / ndf 2.098e+37 / 83
p0 1086 ± 1.091e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean 0
Std Dev 0
×10¹⁵
800
600
400
200
0
−200
−400
−600

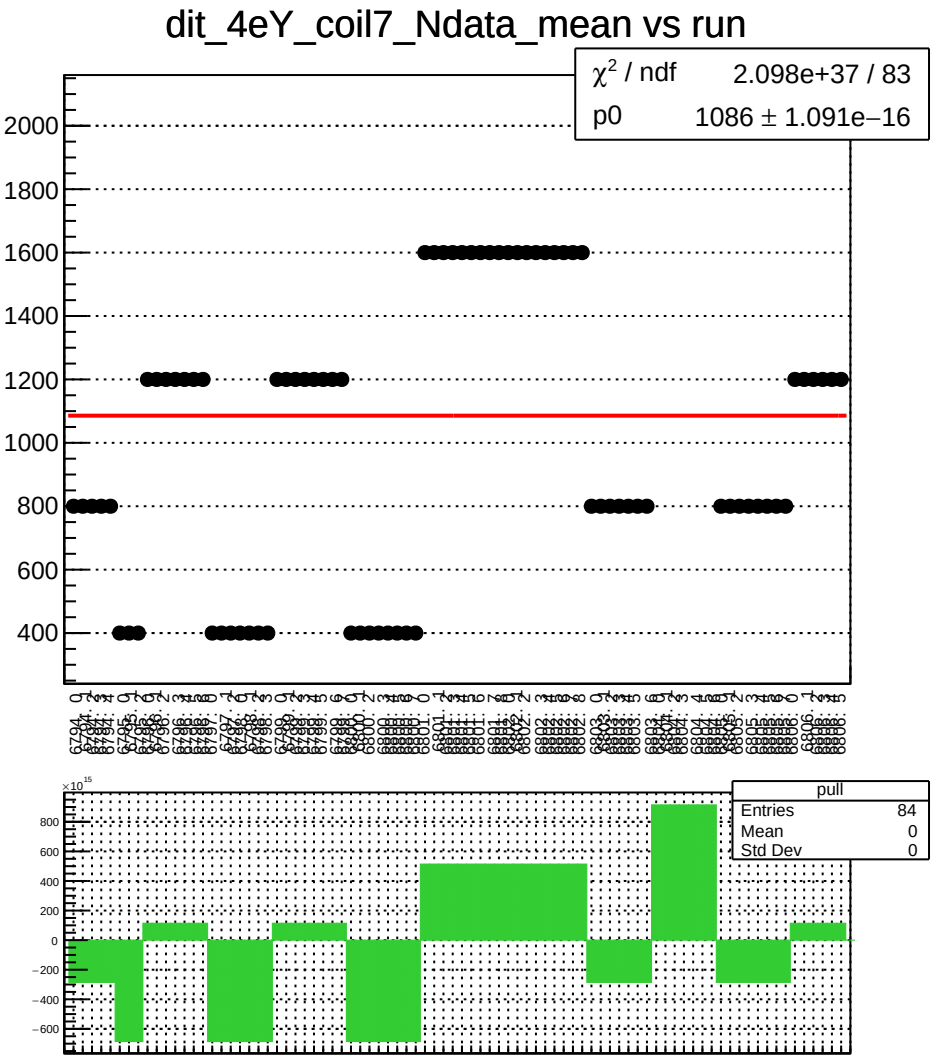

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

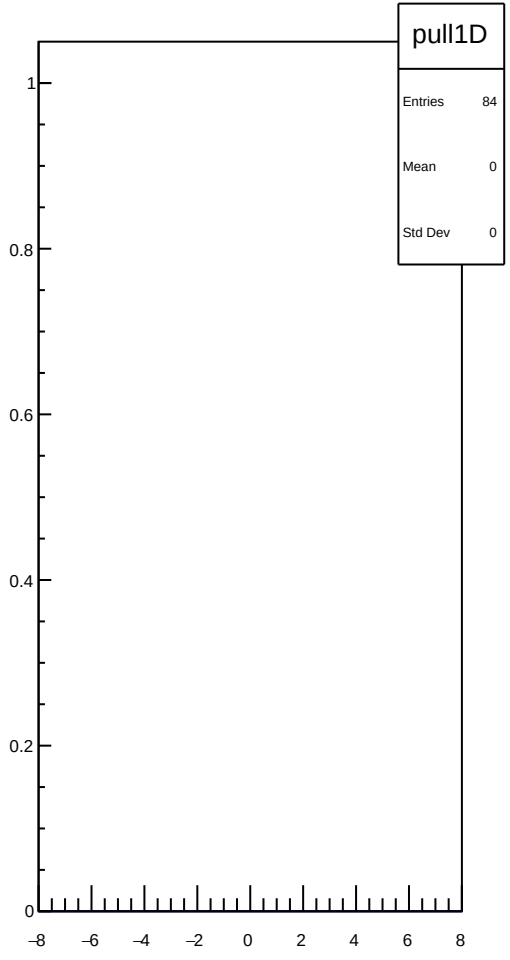

dit_4eY_coil7_mean vs run
χ² / ndf 1.018e+32 / 83
p0 −10.57 ± 1.091e−16
−9
−9.5
−10
−10.5
−11
−11.5
−12
−12.5
×10¹²
1500
1000
500
0
−500
−1000
−1500
pull
Entries 84
Mean 4.651e+09
Std Dev 4.651e+09

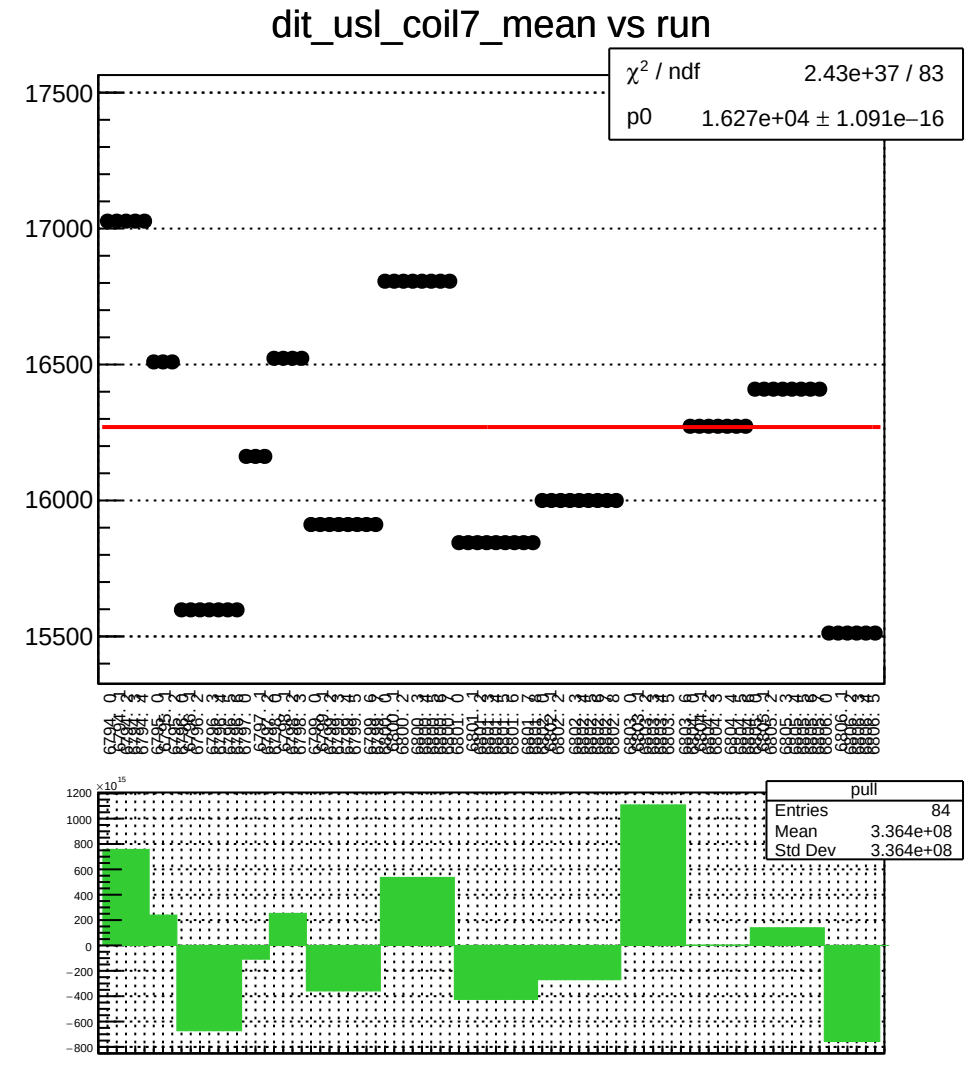

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

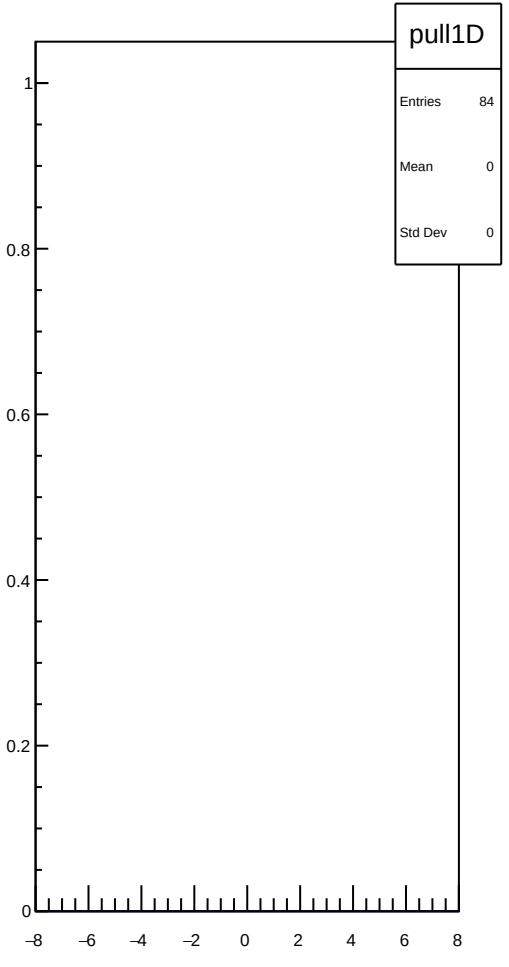

dit_4eY_coil7_err_mean vs run
χ² / ndf 4.816e+31 / 83
p0 1.95 ± 1.091e−16
pull
Entries 84
Mean 1.241e+09
Std Dev 1.241e+09

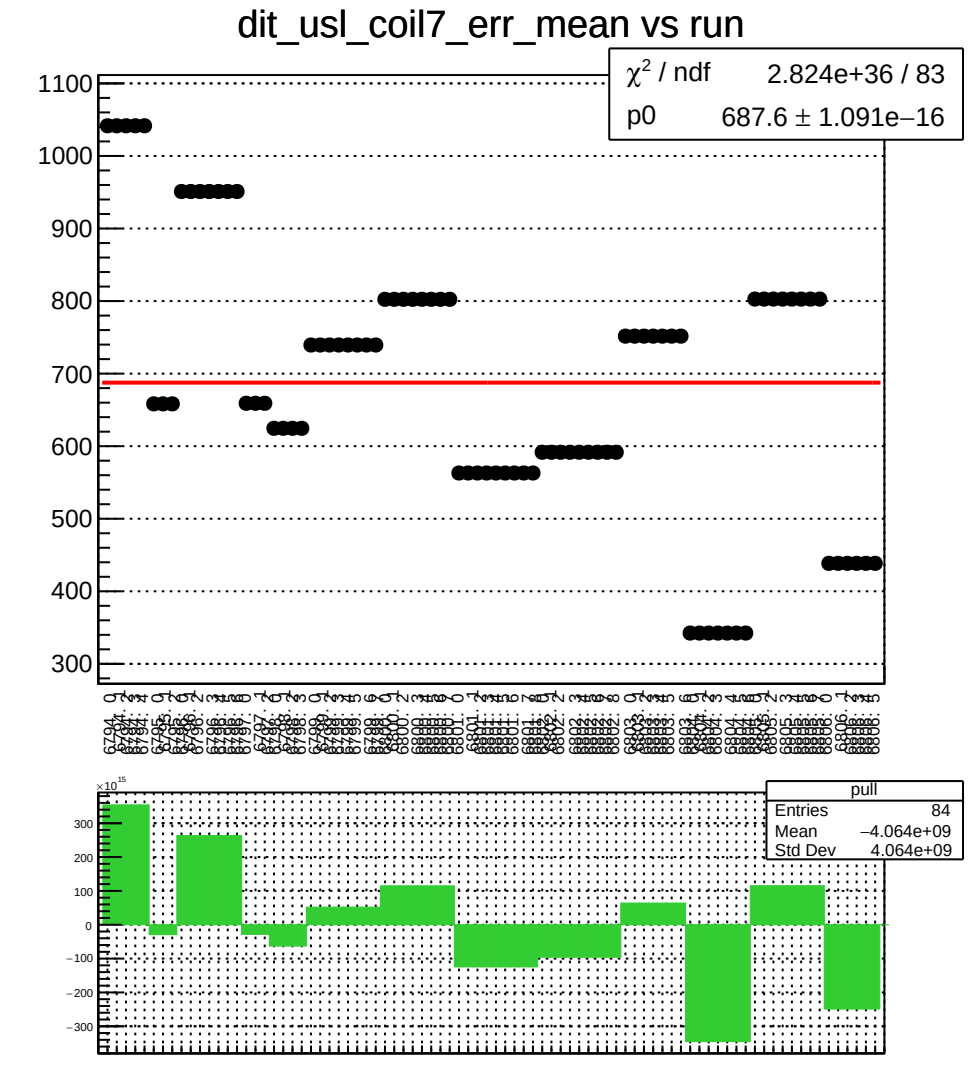

pull1D
Entries 84
Mean 0
Std Dev 0

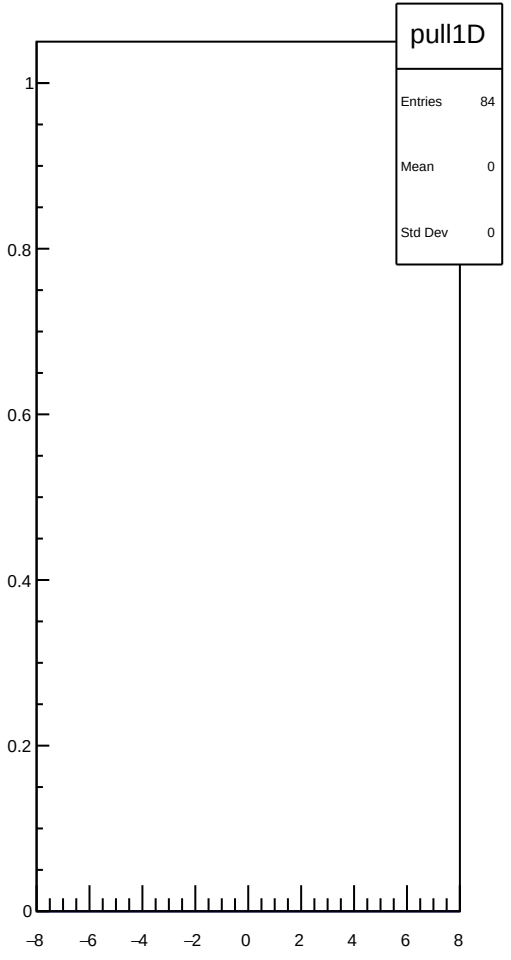

dit_4eY_coil7_Ndata_mean vs run
χ² / ndf 2.098e+37 / 83
p0 1086 ± 1.091e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean 0
Std Dev 0
×10¹⁵
800
600
400
200
0
−200
−400
−600

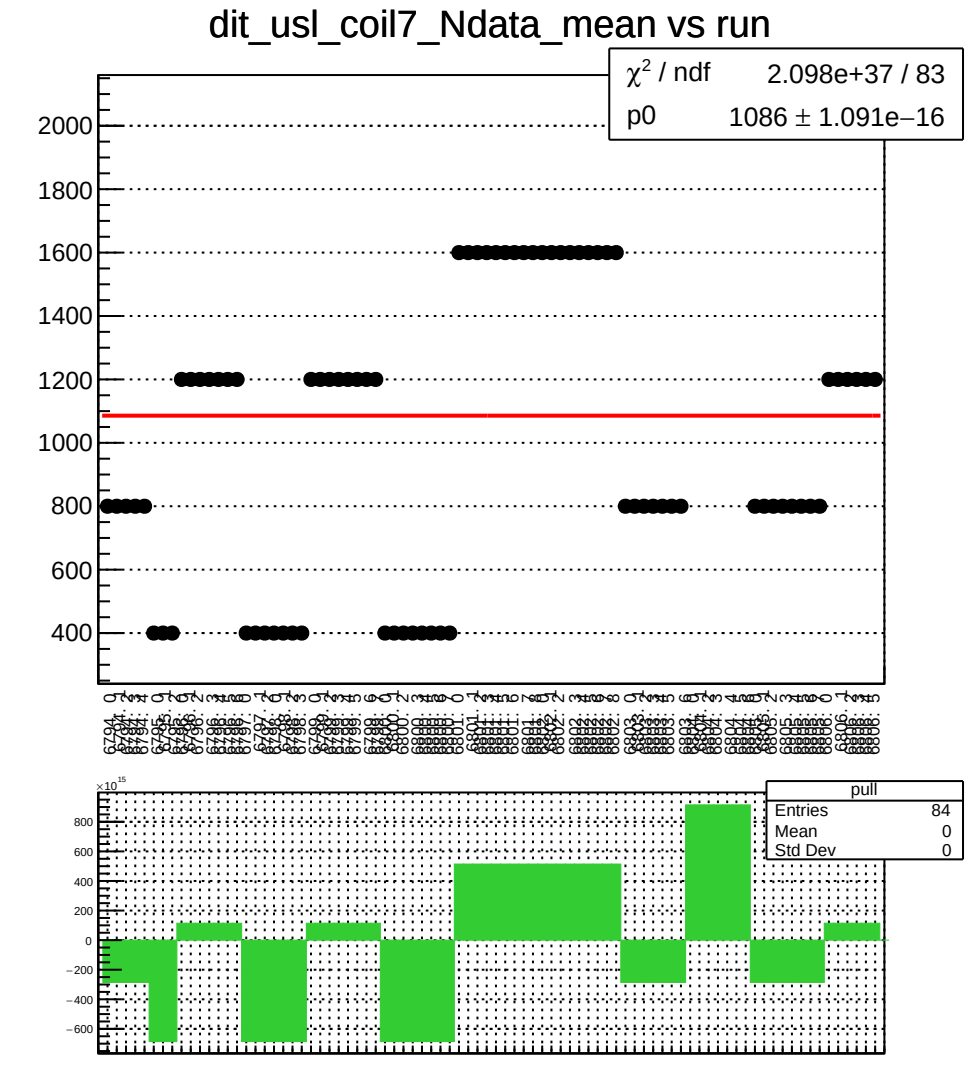

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

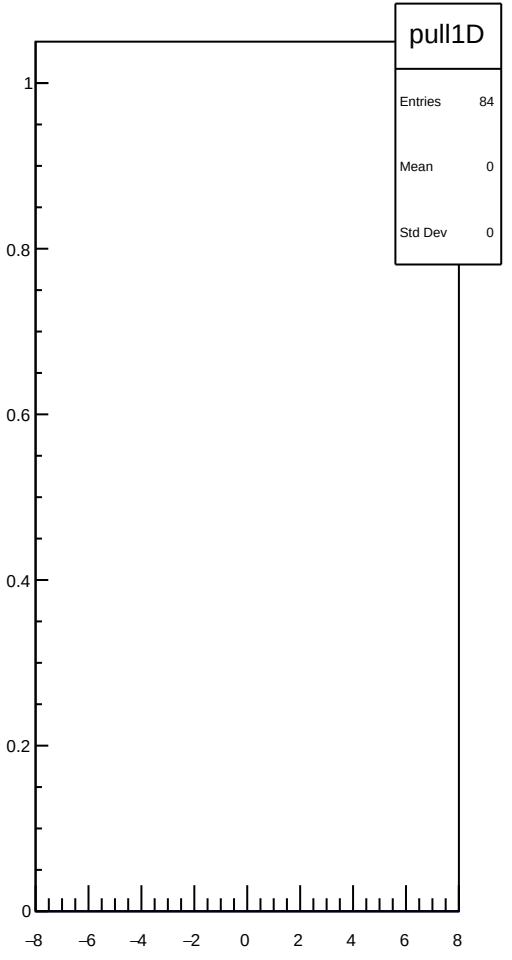

dit_usl_coil7_mean vs run
χ² / ndf 2.43e+37 / 83
p0 1.627e+04 ± 1.091e−16
17500
17000
16500
16000
15500
pull
Entries 84
Mean 3.364e+08
Std Dev 3.364e+08
×10¹⁵
1200
1000
800
600
400
200
0
−200
−400
−600
−800

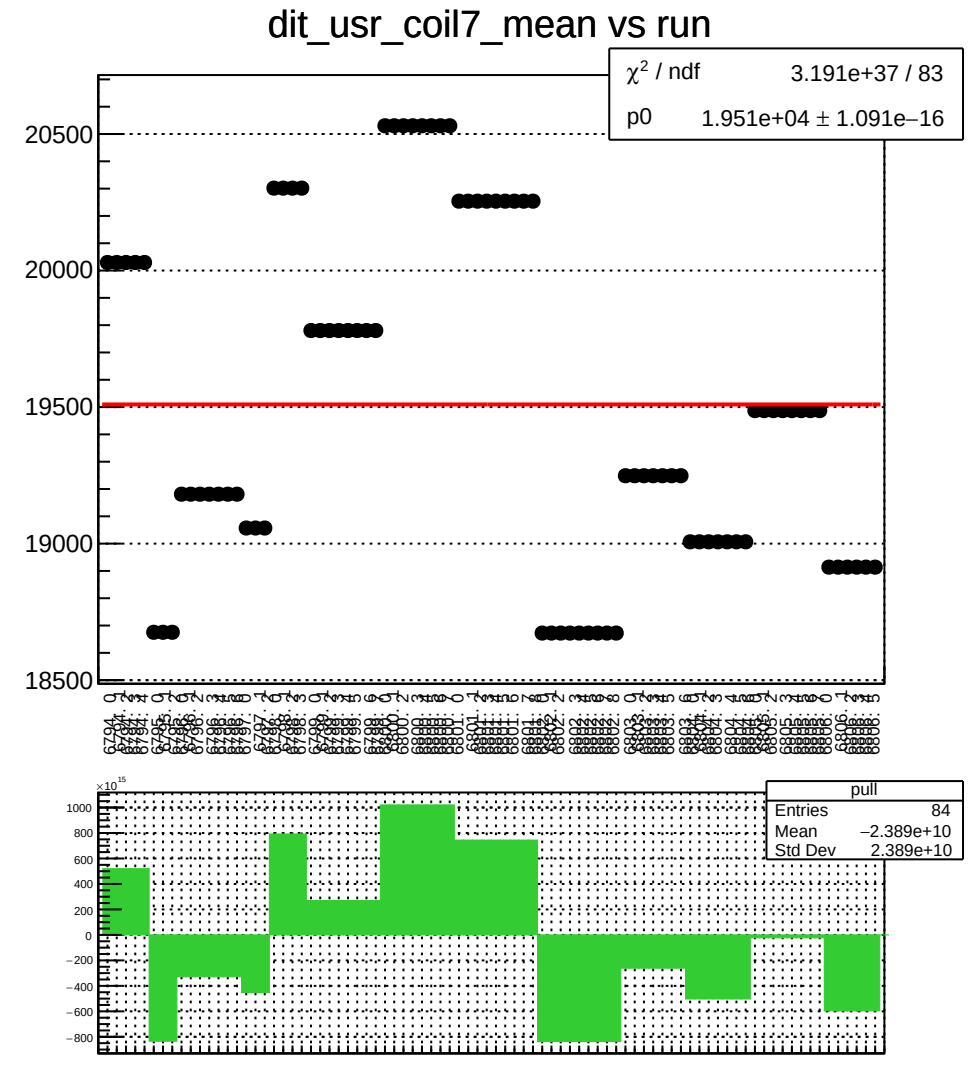

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

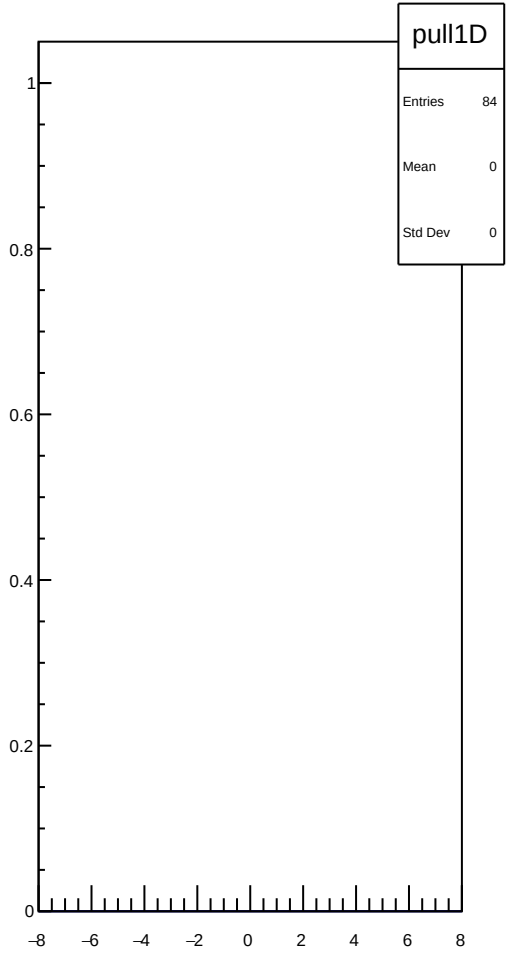

dit_usl_coil7_err_mean vs run
χ² / ndf 2.824e+36 / 83
p0 687.6 ± 1.091e−16
pull
Entries 84
Mean −4.064e+09
Std Dev 4.064e+09

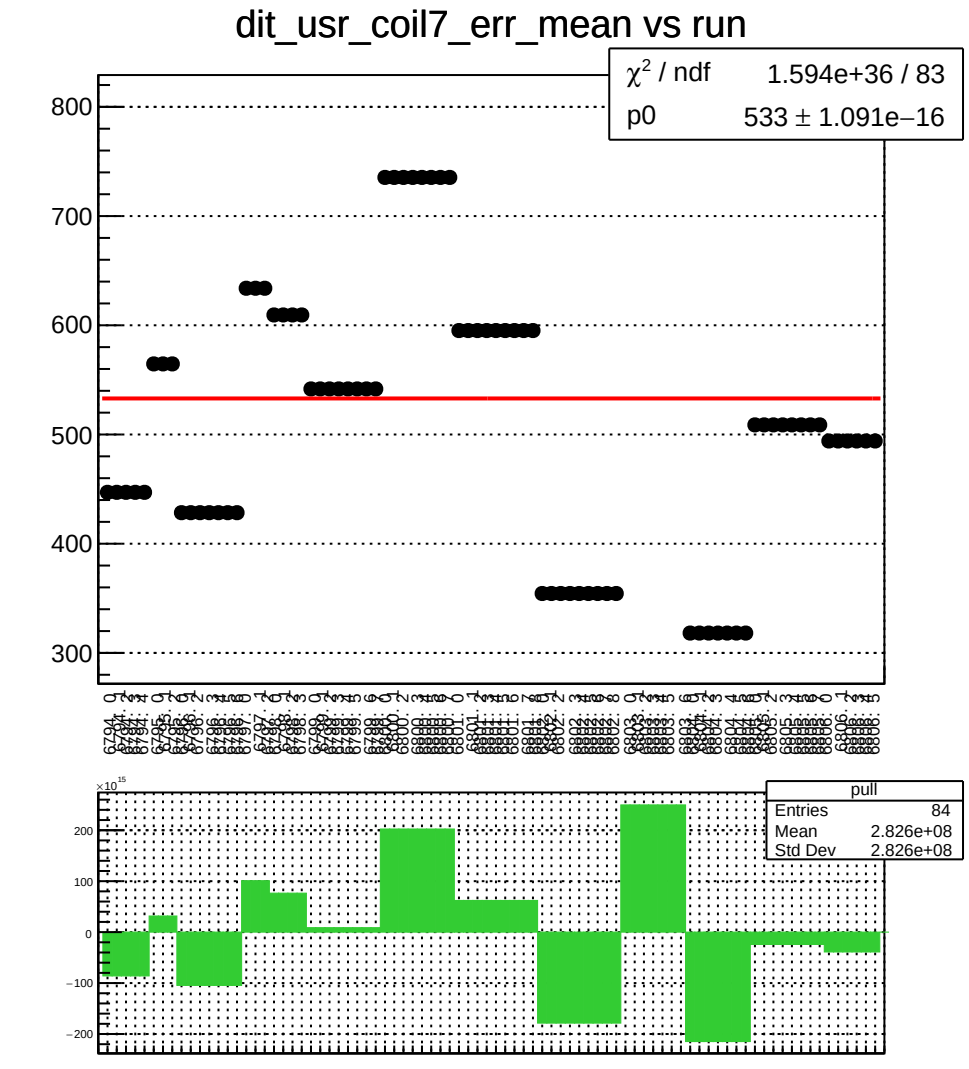

pull1D
Entries 84
Mean 0
Std Dev 0

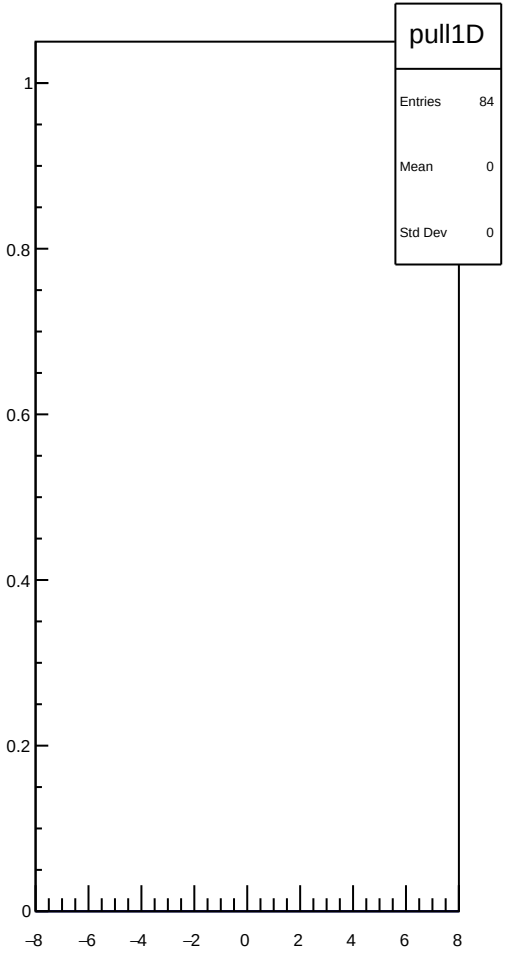

dit_usl_coil7_Ndata_mean vs run
χ² / ndf 2.098e+37 / 83
p0 1086 ± 1.091e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean 0
Std Dev 0
×10¹⁵
800
600
400
200
0
−200
−400
−600

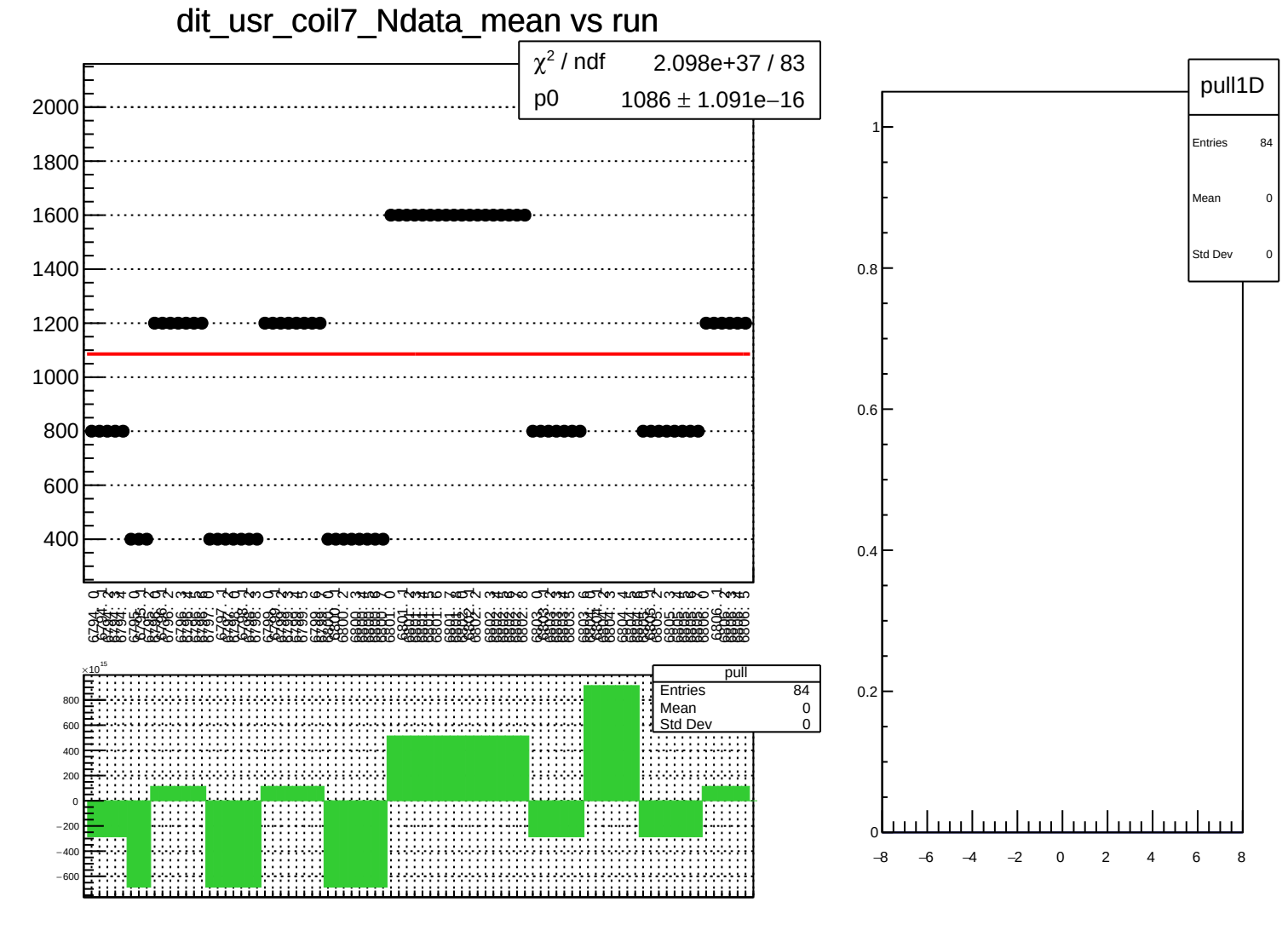

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

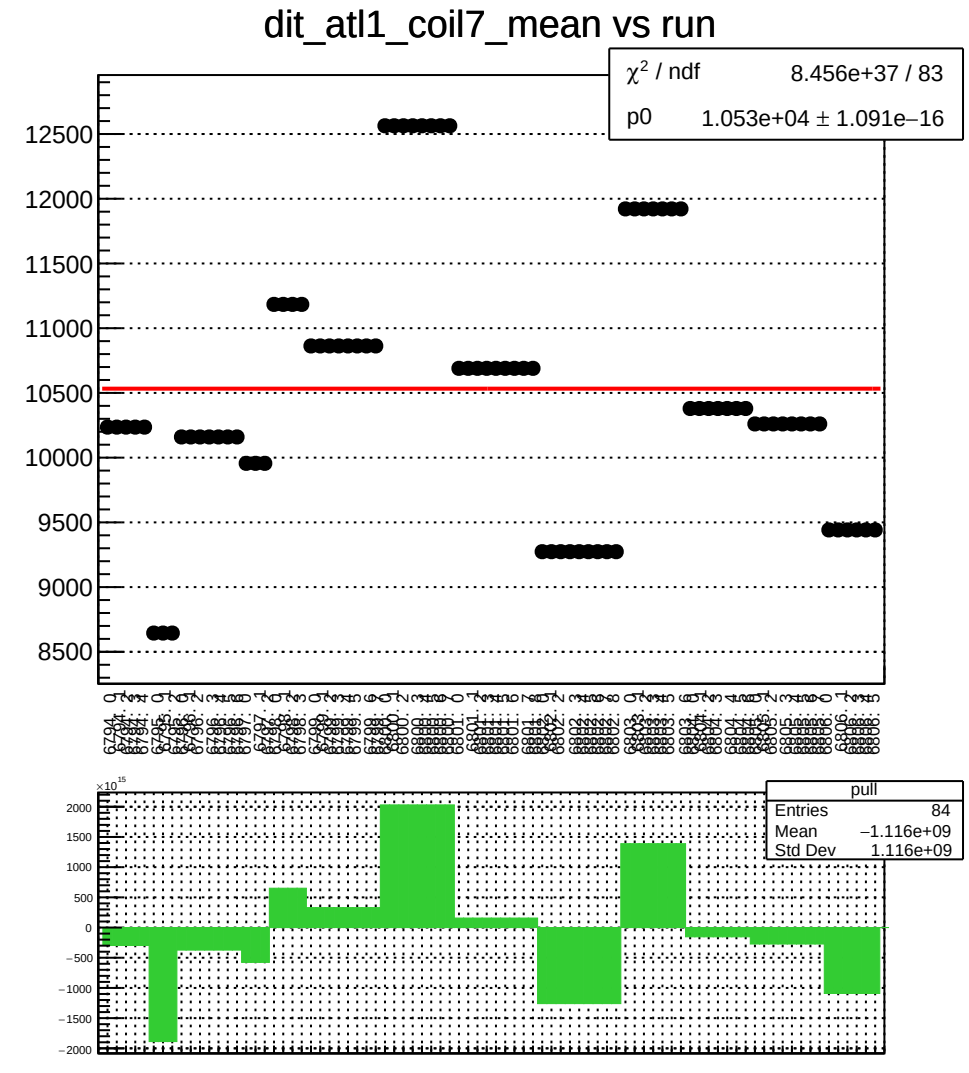

dit_usr_coil7_mean vs run
χ² / ndf 3.191e+37 / 83
p0 1.951e+04 ± 1.091e−16
20500
20000
19500
19000
18500
pull
Entries 84
Mean −2.389e+10
Std Dev 2.389e+10
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
−800

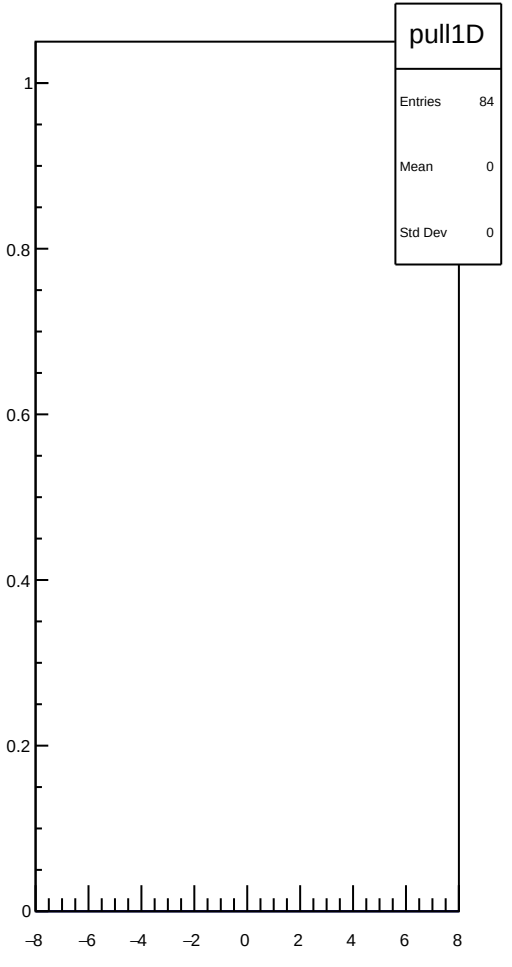

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

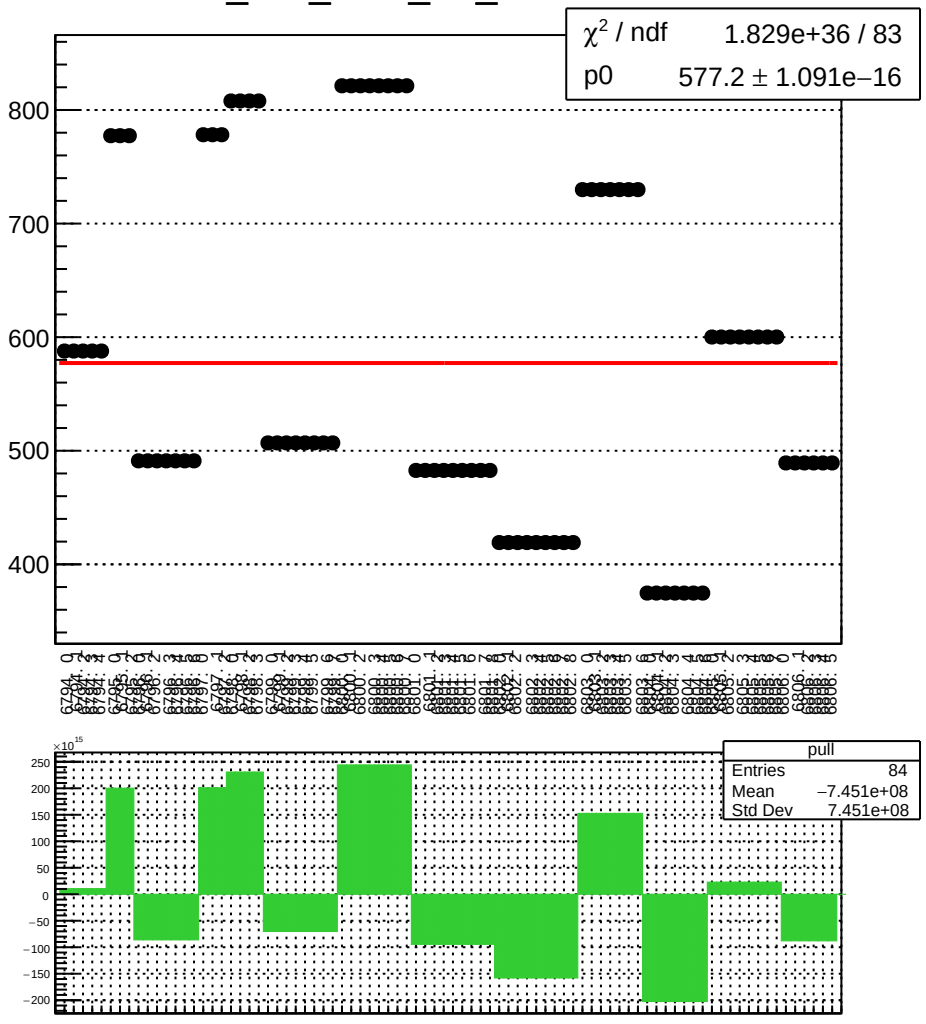

dit_usr_coil7_err_mean vs run
χ² / ndf 1.594e+36 / 83
p0 533 ± 1.091e−16
800
700
600
500
400
300
pull
Entries 84
Mean 2.826e+08
Std Dev 2.826e+08
×10¹⁵
200
100
0
−100
−200

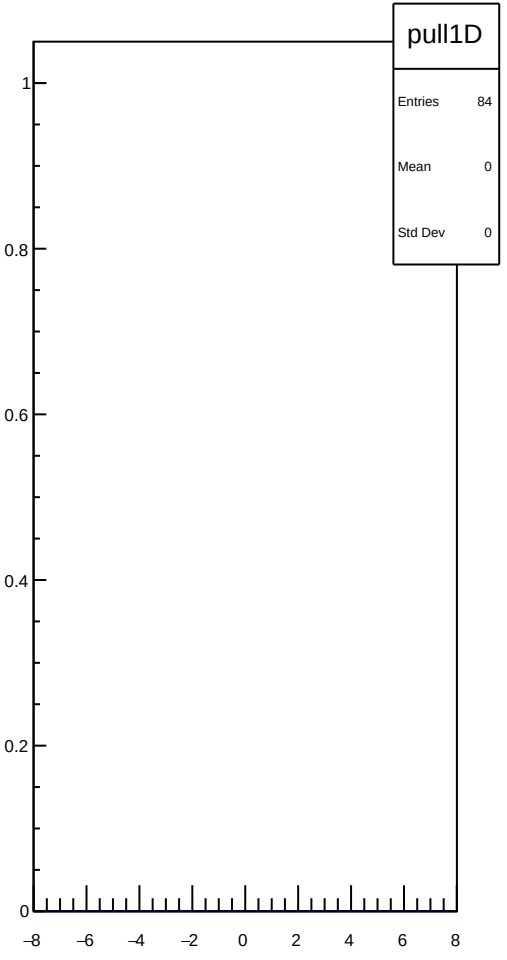

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

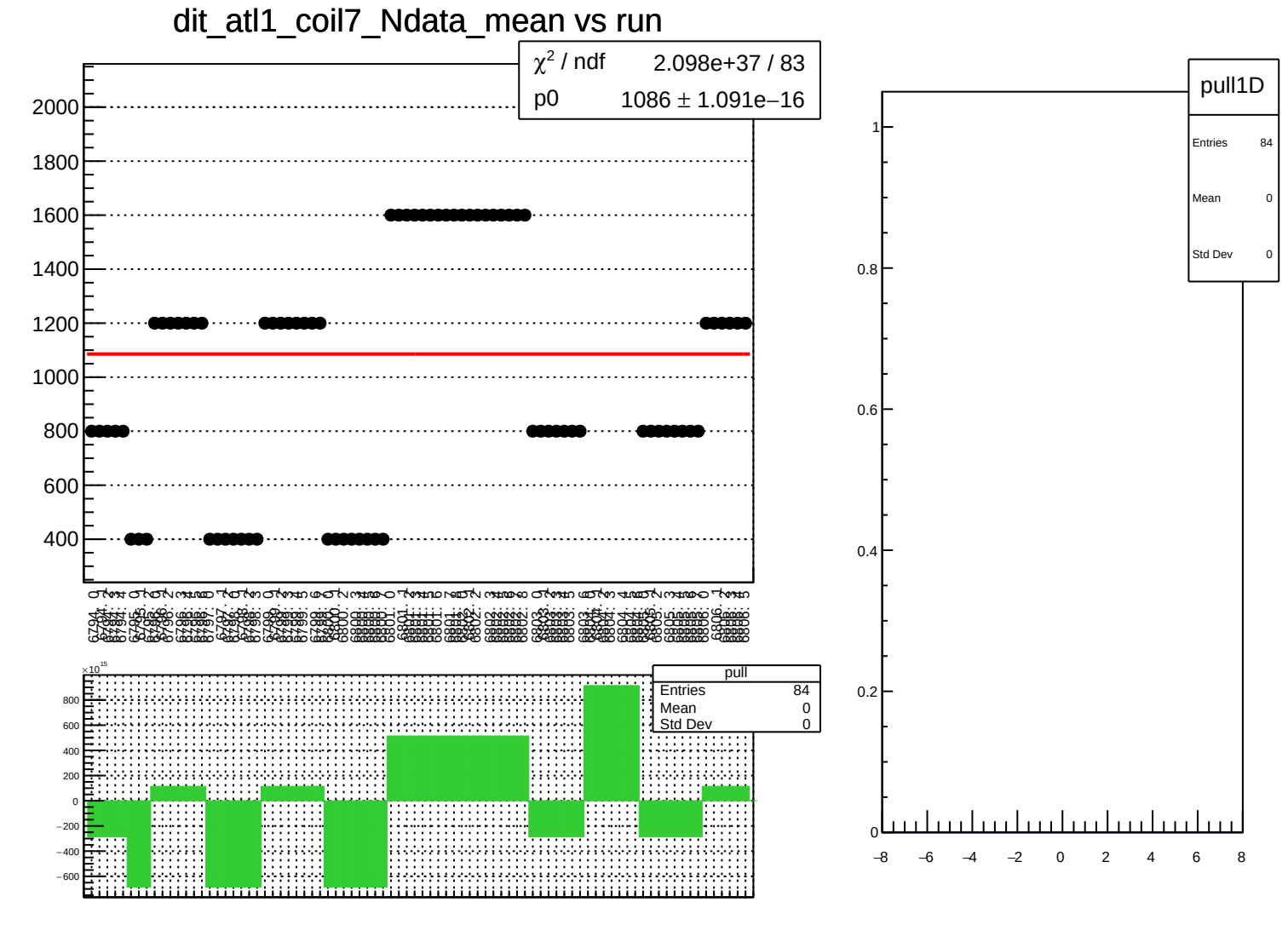

dit_usr_coil7_Ndata_mean vs run
χ² / ndf 2.098e+37 / 83
p0 1086 ± 1.091e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean 0
Std Dev 0
×10¹⁵
800
600
400
200
0
−200
−400
−600
pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

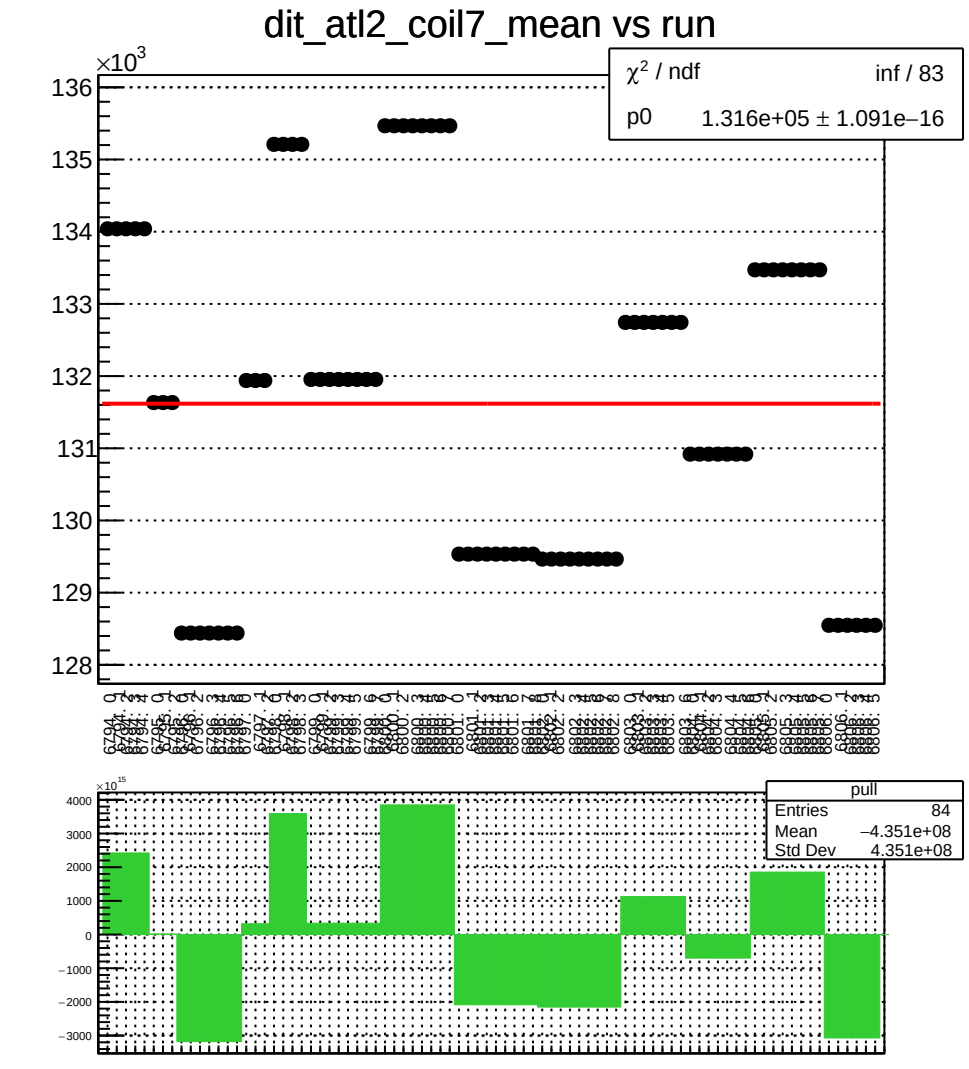

dit_atl1_coil7_mean vs run
χ² / ndf 8.456e+37 / 83
p0 1.053e+04 ± 1.091e−16
12500
12000
11500
11000
10500
10000
9500
9000
8500
×10¹⁵
2000
1500
1000
500
0
−500
−1000
−1500
−2000
pull
Entries 84
Mean −1.116e+09
Std Dev 1.116e+09

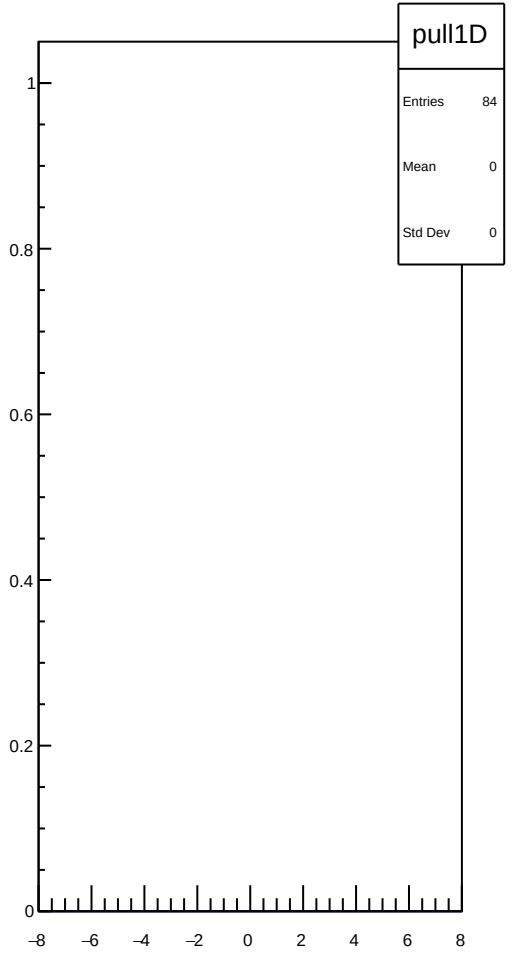

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

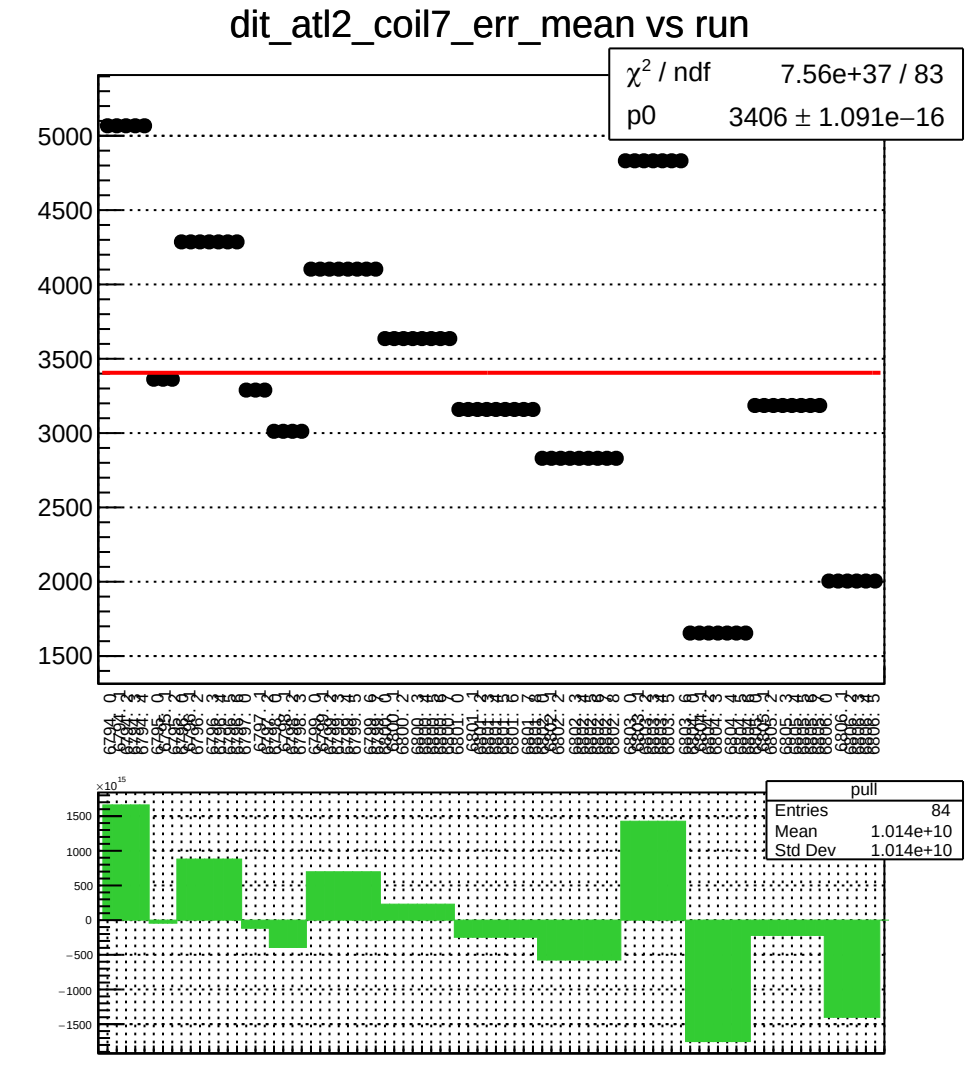

dit_atl1_coil7_err_mean vs run
χ² / ndf 1.829e+36 / 83
p0 577.2 ± 1.091e−16
800
700
600
500
400
pull
Entries 84
Mean −7.451e+08
Std Dev 7.451e+08
×10¹⁵
250
200
150
100
50
0
−50
−100
−150
−200

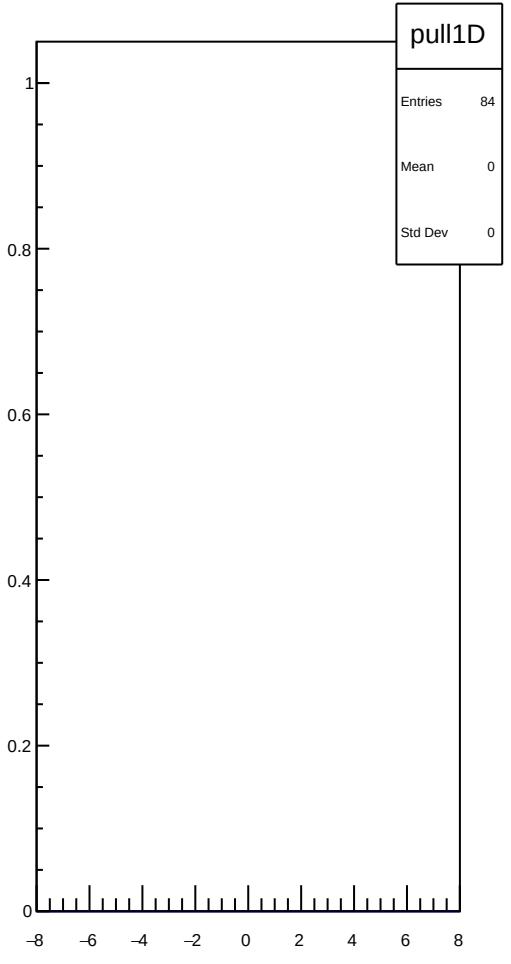

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

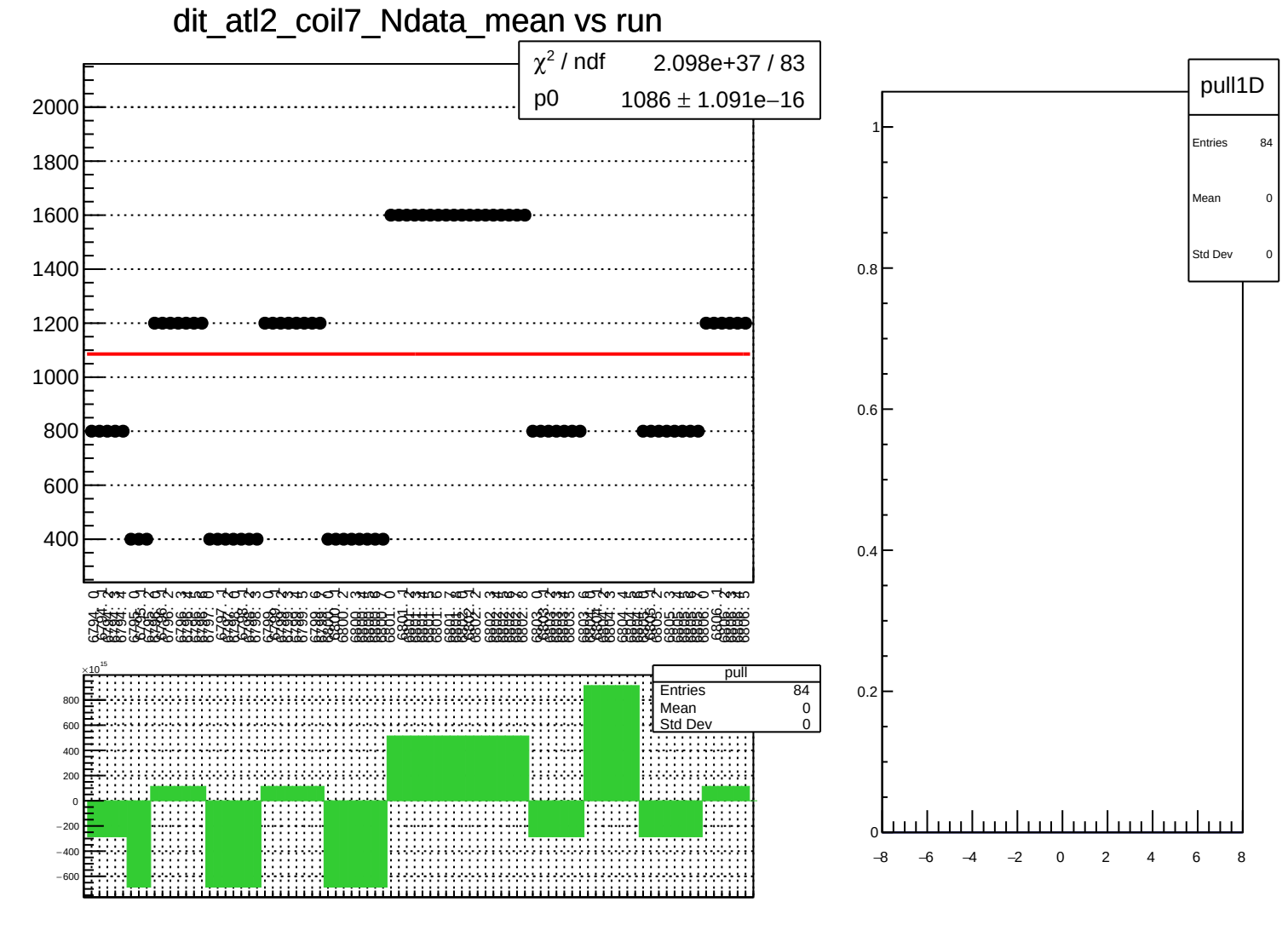

dit_atl1_coil7_Ndata_mean vs run
χ² / ndf 2.098e+37 / 83
p0 1086 ± 1.091e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean 0
Std Dev 0
pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

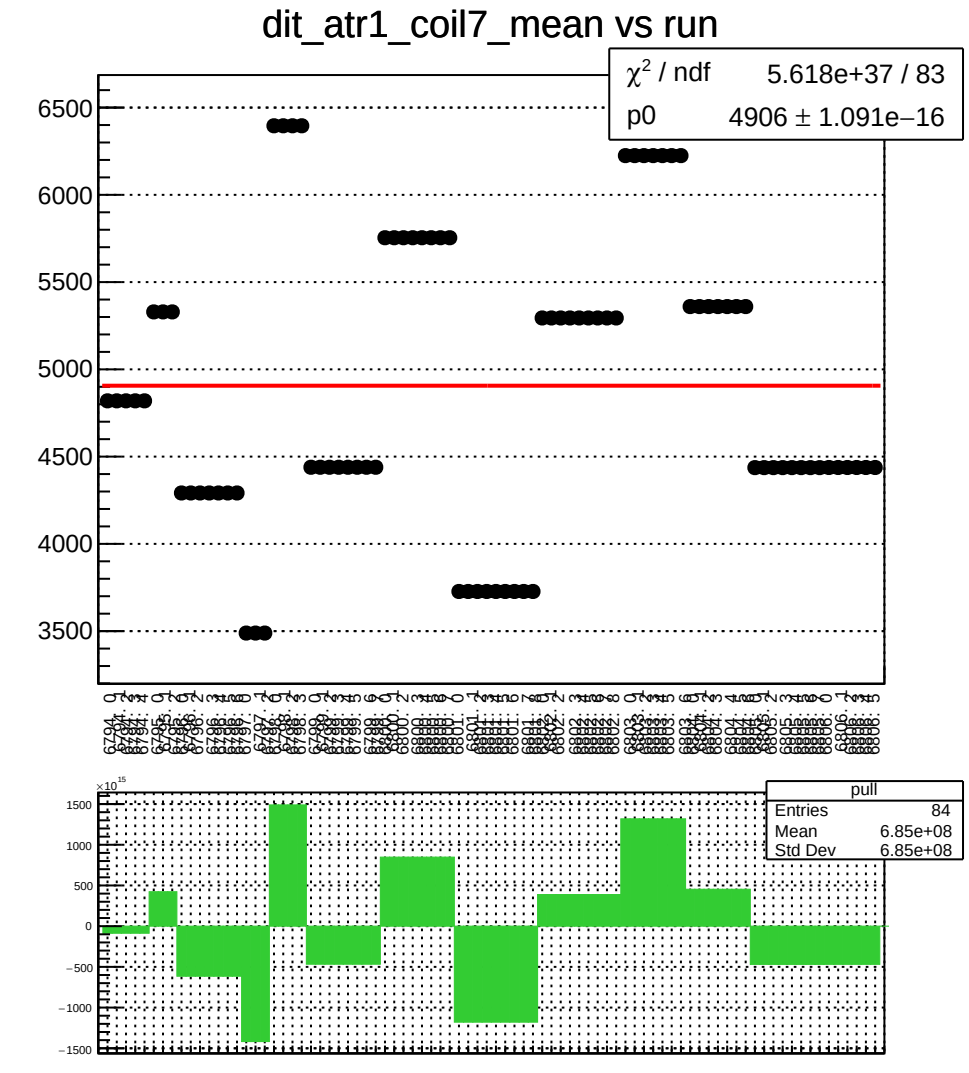

dit_atl2_coil7_mean vs run
×10^3
χ² / ndf inf / 83
p0 1.316e+05 ± 1.091e−16
136
135
134
133
132
131
130
129
128
×10^15
4000
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 84
Mean −4.351e+08
Std Dev 4.351e+08

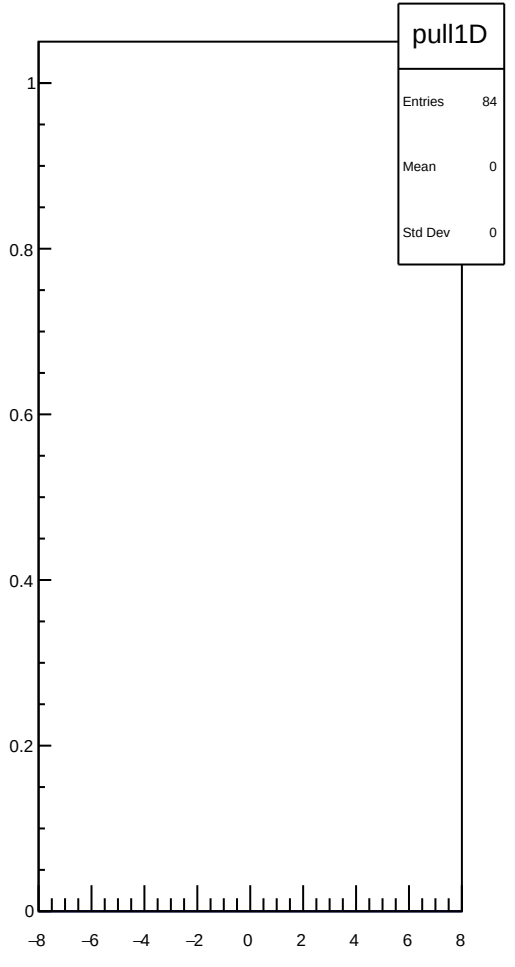

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

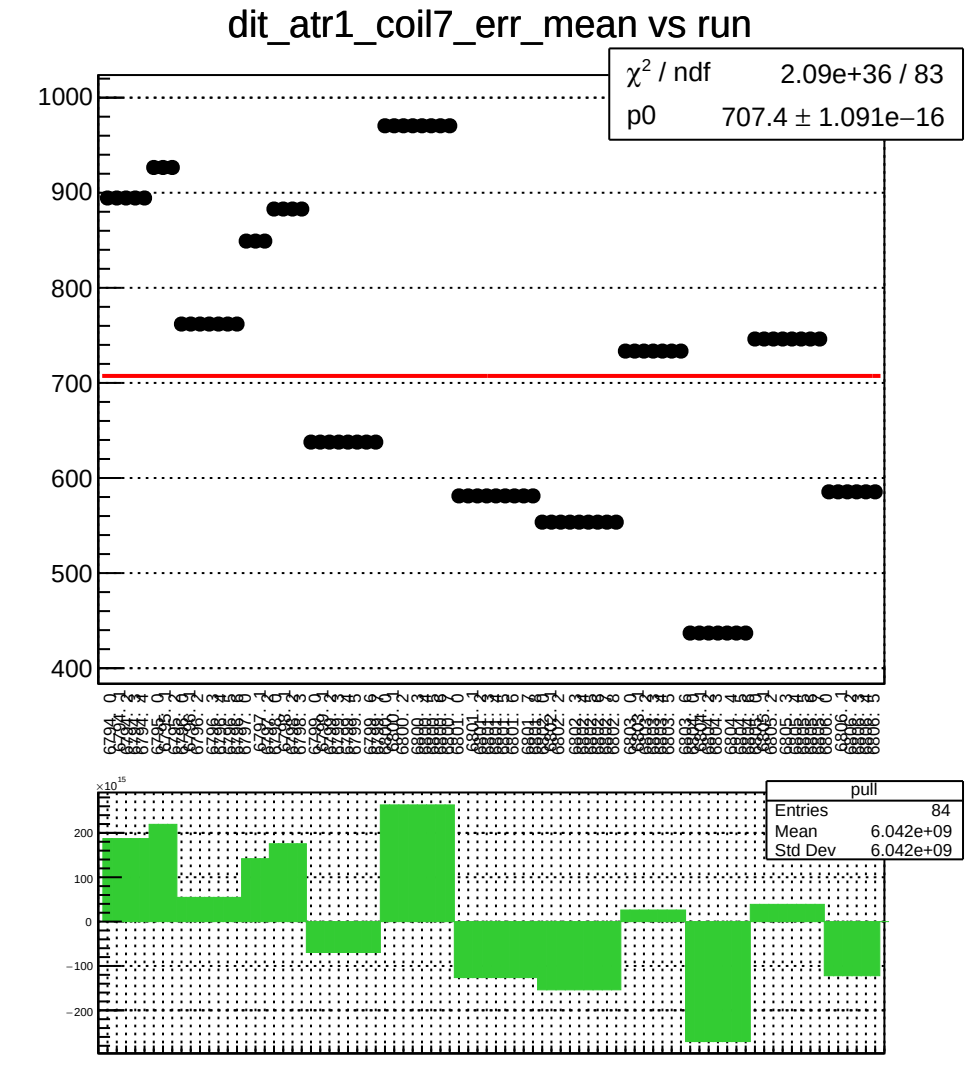

dit_atl2_coil7_err_mean vs run
χ² / ndf 7.56e+37 / 83
p0 3406 ± 1.091e−16
pull
Entries 84
Mean 1.014e+10
Std Dev 1.014e+10

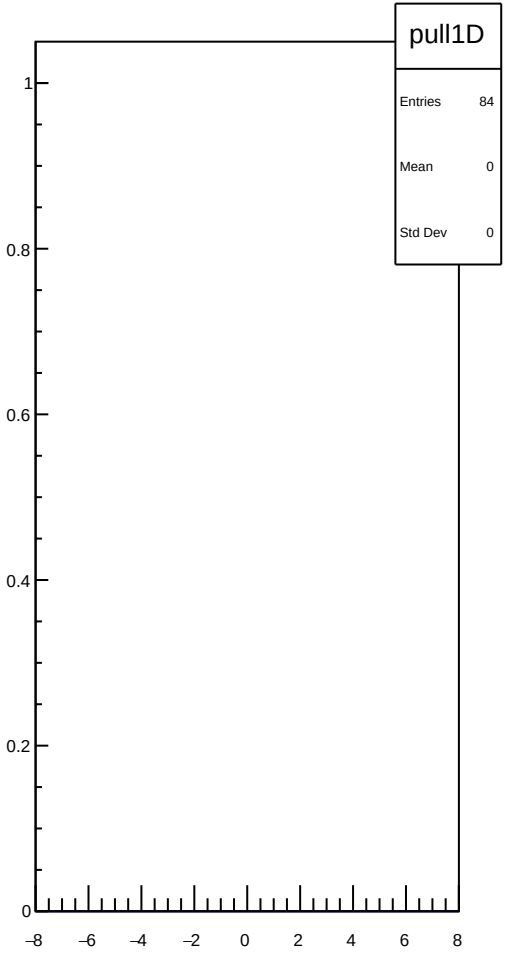

pull1D
Entries 84
Mean 0
Std Dev 0

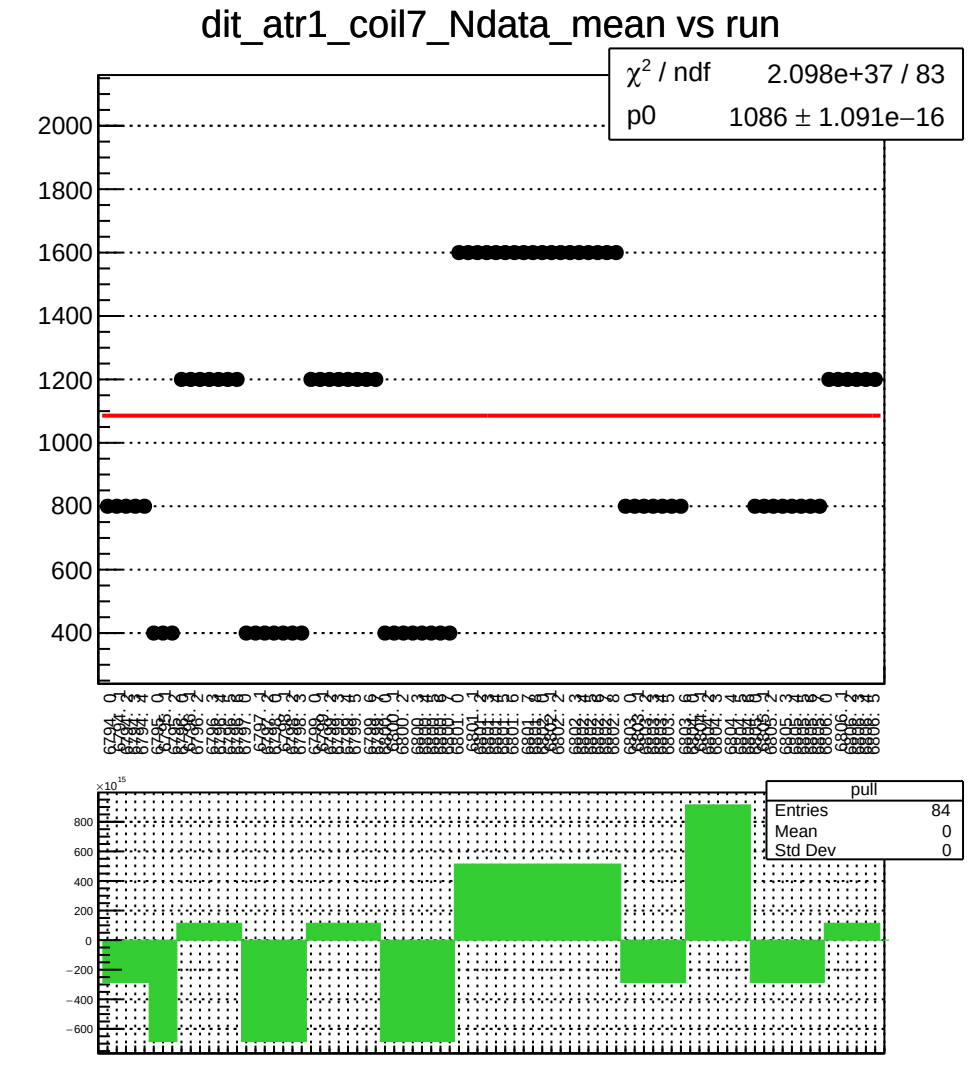

dit_atl2_coil7_Ndata_mean vs run
χ² / ndf 2.098e+37 / 83
p0 1086 ± 1.091e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean 0
Std Dev 0
×10¹⁵
800
600
400
200
0
−200
−400
−600
pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

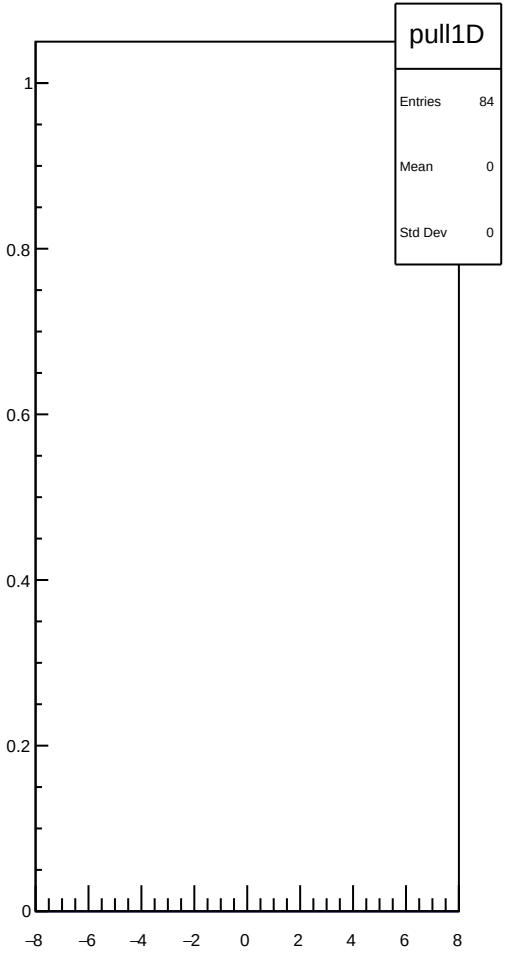

dit_atr1_coil7_mean vs run
χ² / ndf 5.618e+37 / 83
p0 4906 ± 1.091e−16
6500
6000
5500
5000
4500
4000
3500
pull
Entries 84
Mean 6.85e+08
Std Dev 6.85e+08
×10¹⁵
1500
1000
500
0
−500
−1000
−1500

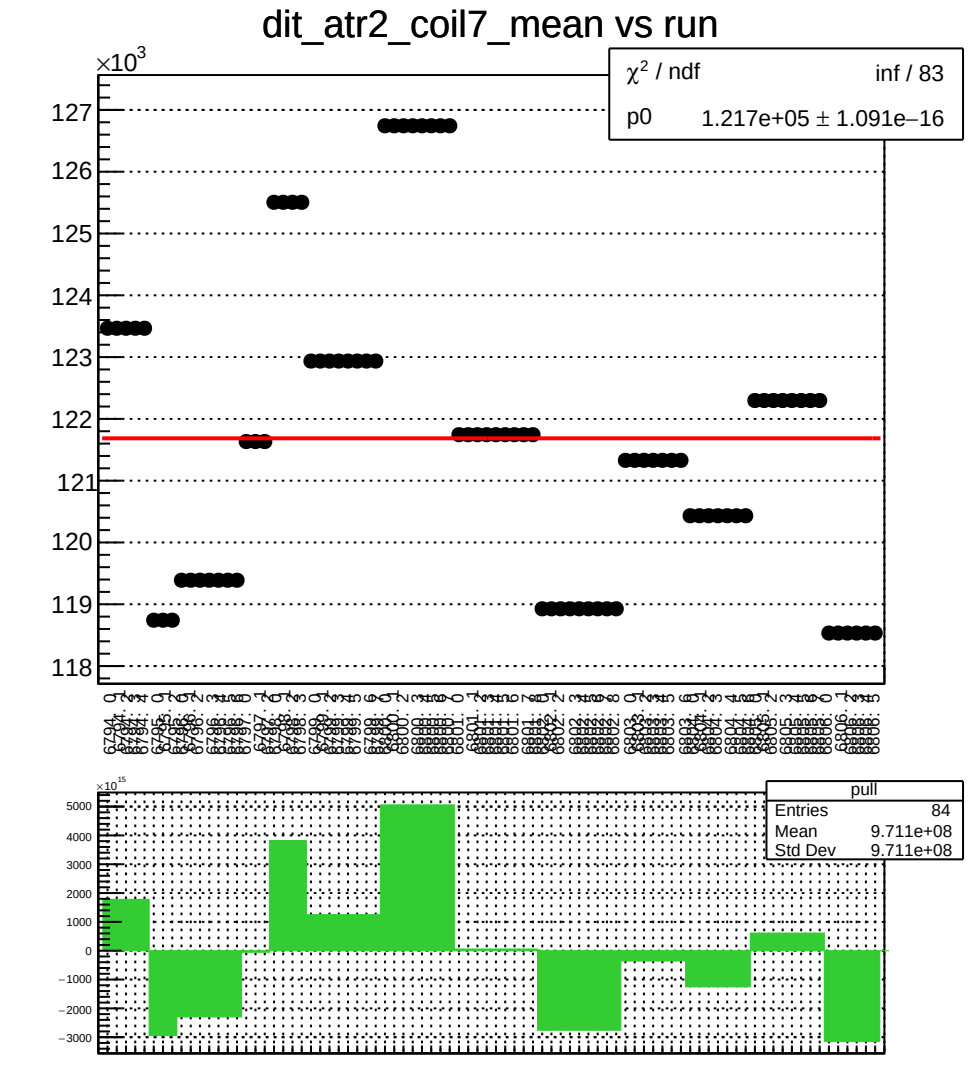

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

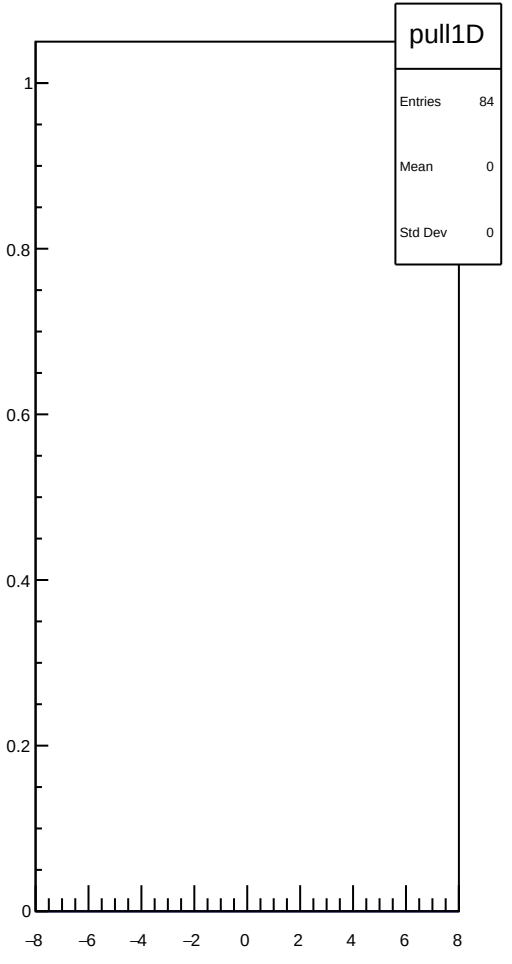

dit_atr1_coil7_err_mean vs run
χ² / ndf 2.09e+36 / 83
p0 707.4 ± 1.091e−16
1000
900
800
700
600
500
400
pull
Entries 84
Mean 6.042e+09
Std Dev 6.042e+09
×10¹⁵
200
100
0
−100
−200

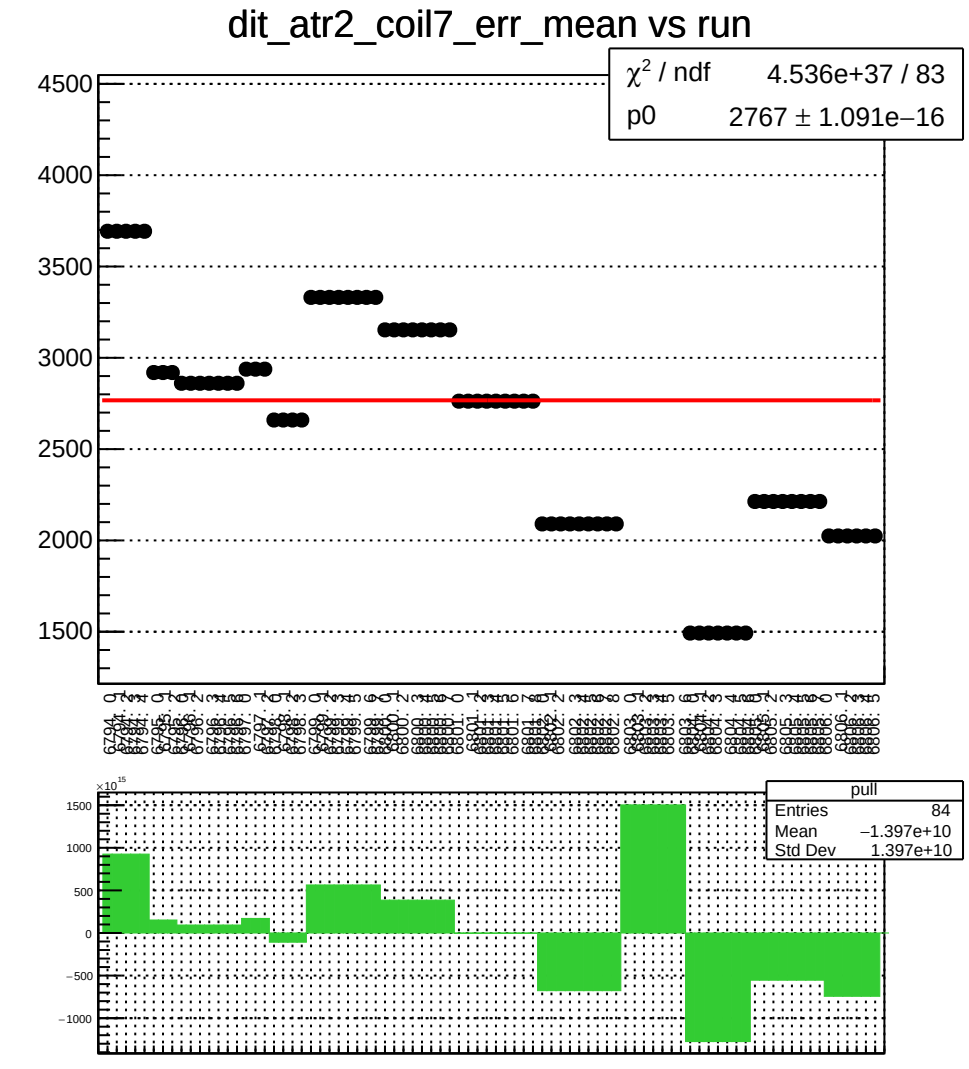

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

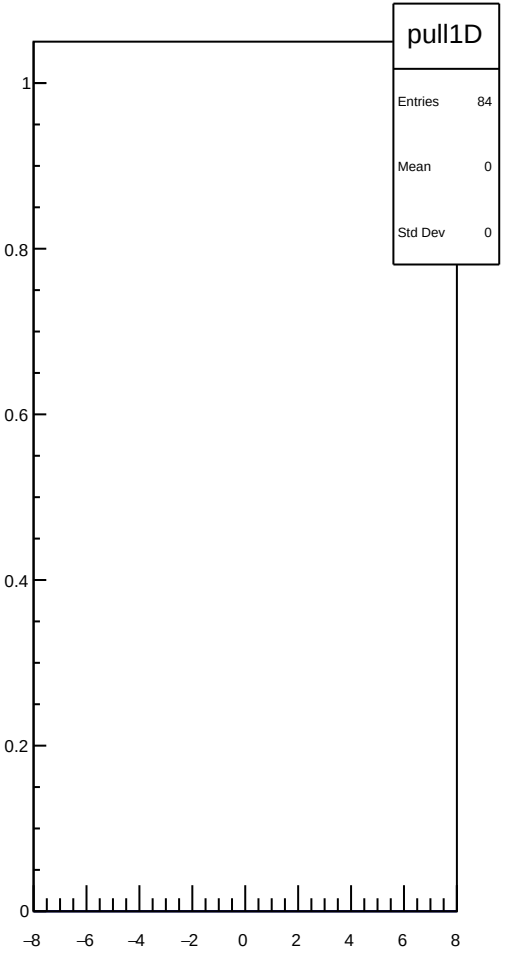

dit_atr1_coil7_Ndata_mean vs run
χ² / ndf 2.098e+37 / 83
p0 1086 ± 1.091e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean 0
Std Dev 0
×10¹⁵
800
600
400
200
0
−200
−400
−600

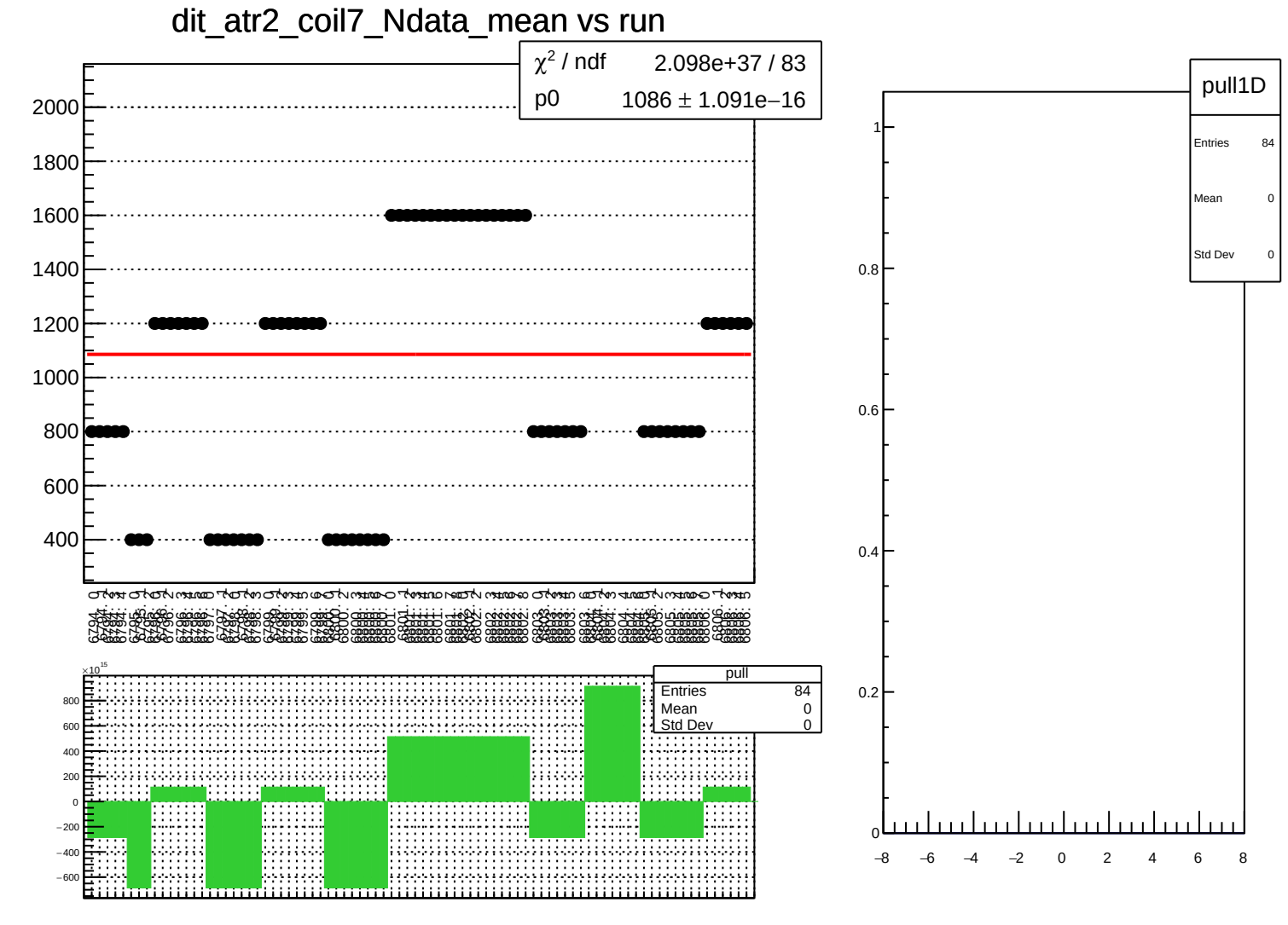

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

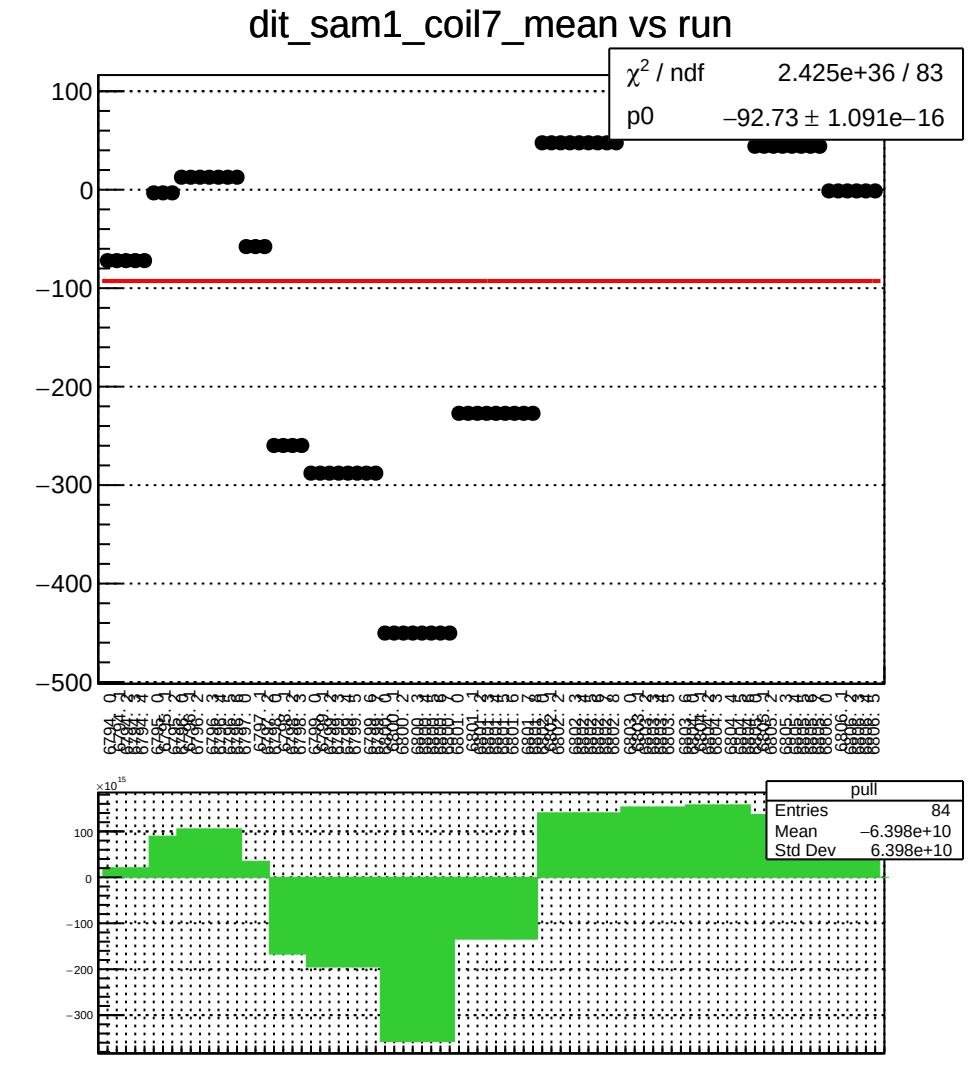

dit_atr2_coil7_mean vs run
×10^3
χ² / ndf inf / 83
p0 1.217e+05 ± 1.091e−16
127
126
125
124
123
122
121
120
119
118
×10^15
5000
4000
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 84
Mean 9.711e+08
Std Dev 9.711e+08

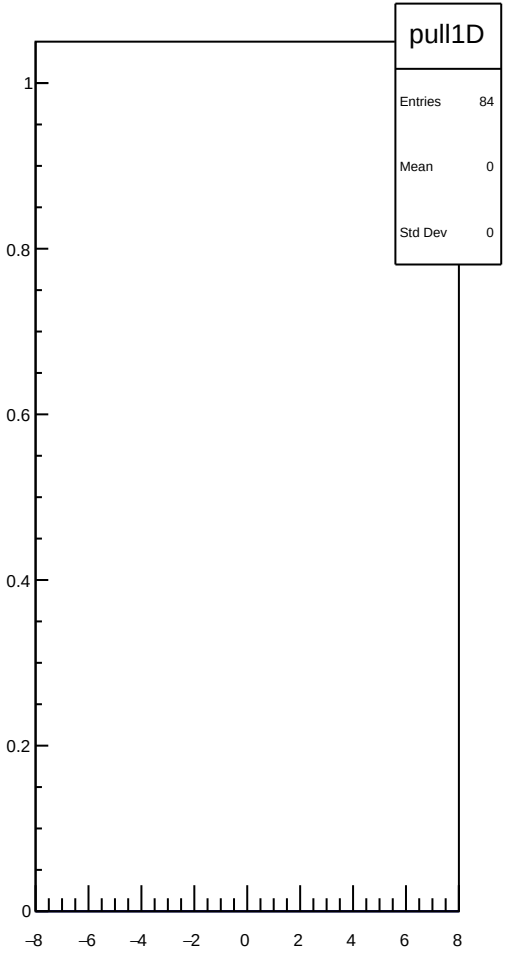

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

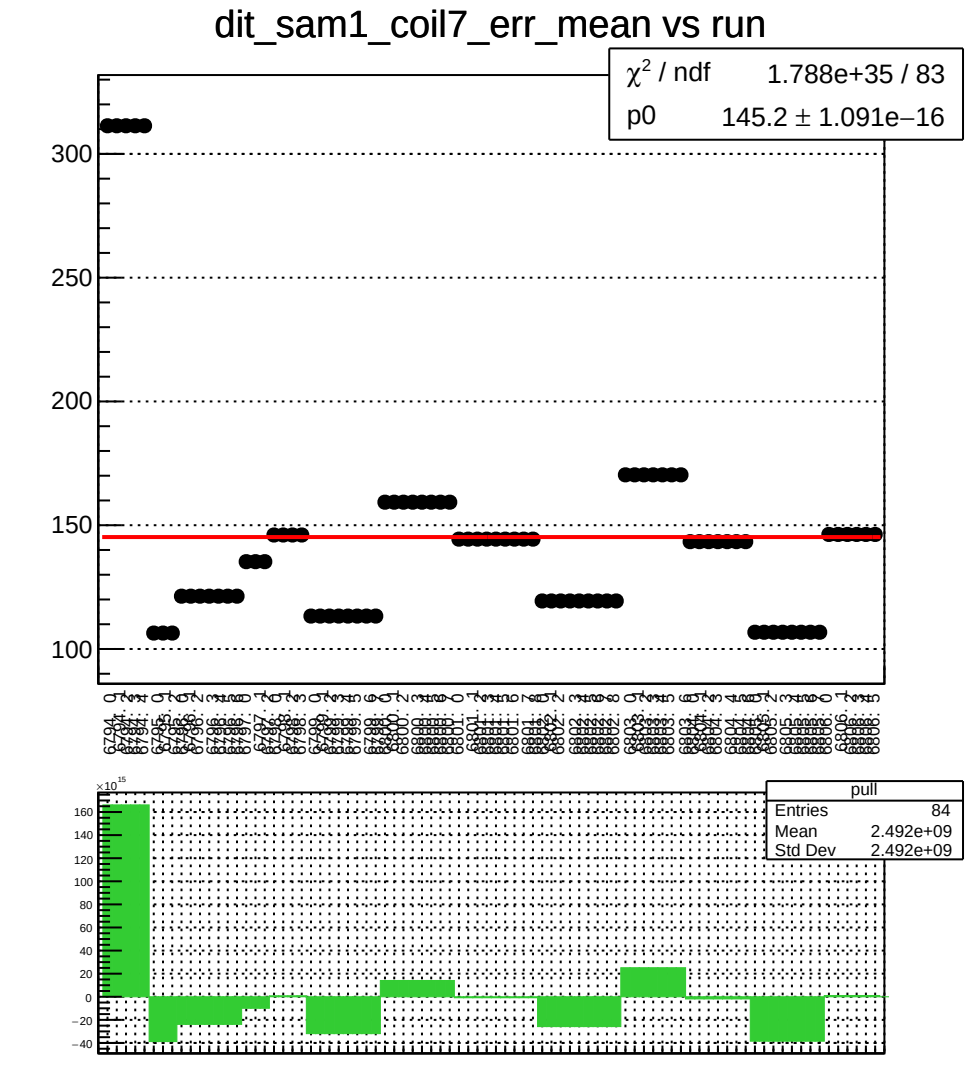

dit_atr2_coil7_err_mean vs run
χ² / ndf 4.536e+37 / 83
p0 2767 ± 1.091e−16
pull
Entries 84
Mean −1.397e+10
Std Dev 1.397e+10

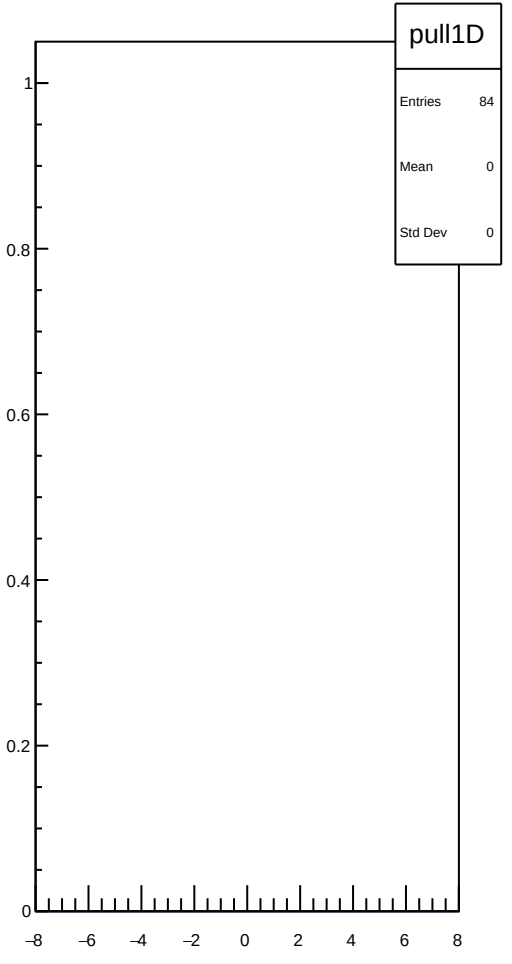

pull1D
Entries 84
Mean 0
Std Dev 0

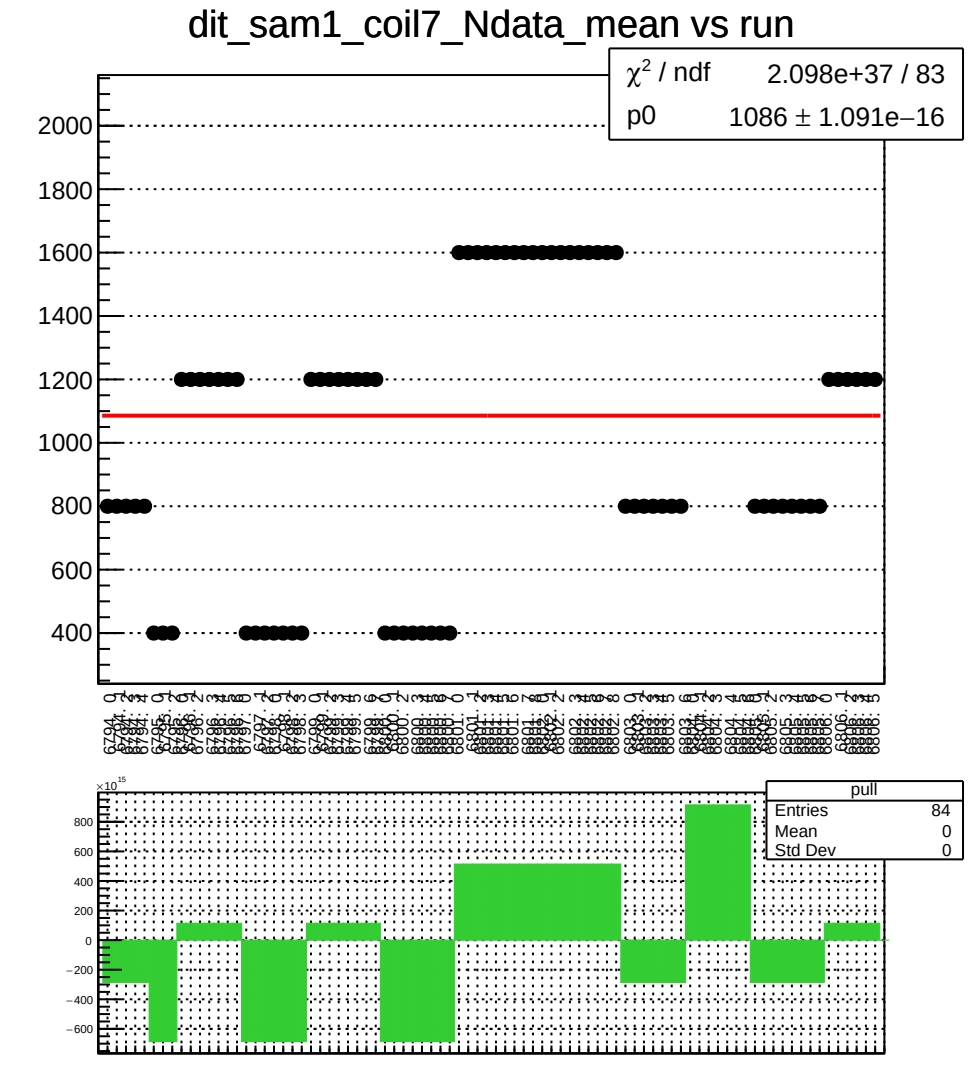

dit_atr2_coil7_Ndata_mean vs run
χ² / ndf 2.098e+37 / 83
p0 1086 ± 1.091e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean 0
Std Dev 0
×10¹⁵
800
600
400
200
0
−200
−400
−600
pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

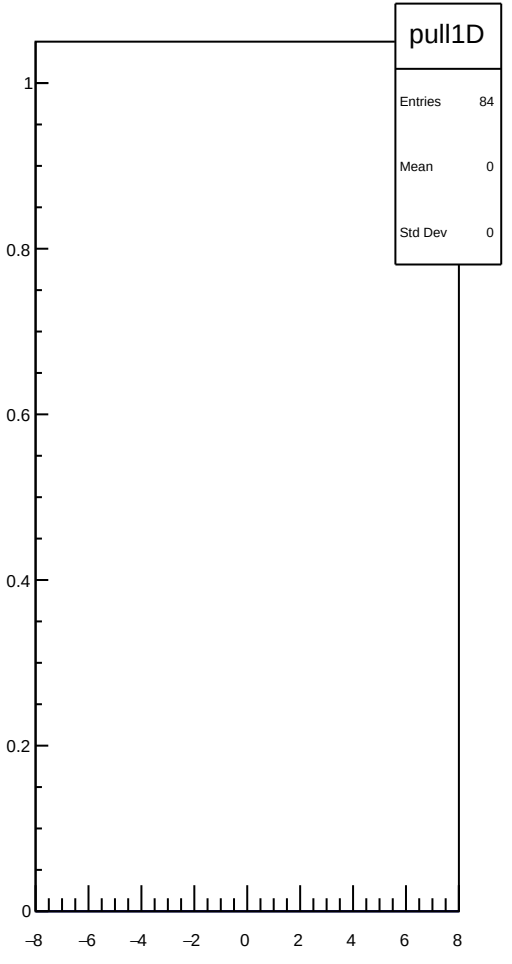

dit_sam1_coil7_mean vs run
χ² / ndf 2.425e+36 / 83
p0 −92.73 ± 1.091e−16
pull
Entries 84
Mean −6.398e+10
Std Dev 6.398e+10

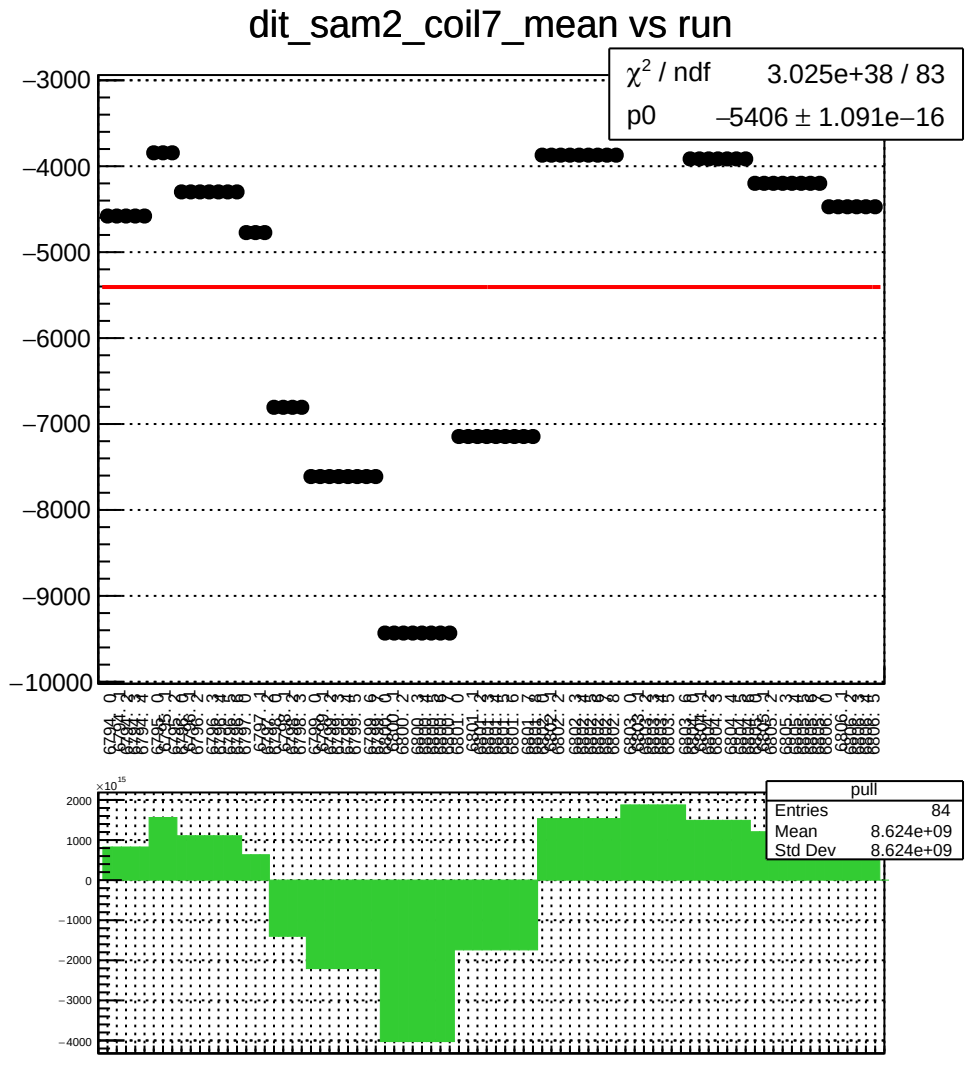

pull1D
Entries 84
Mean 0
Std Dev 0

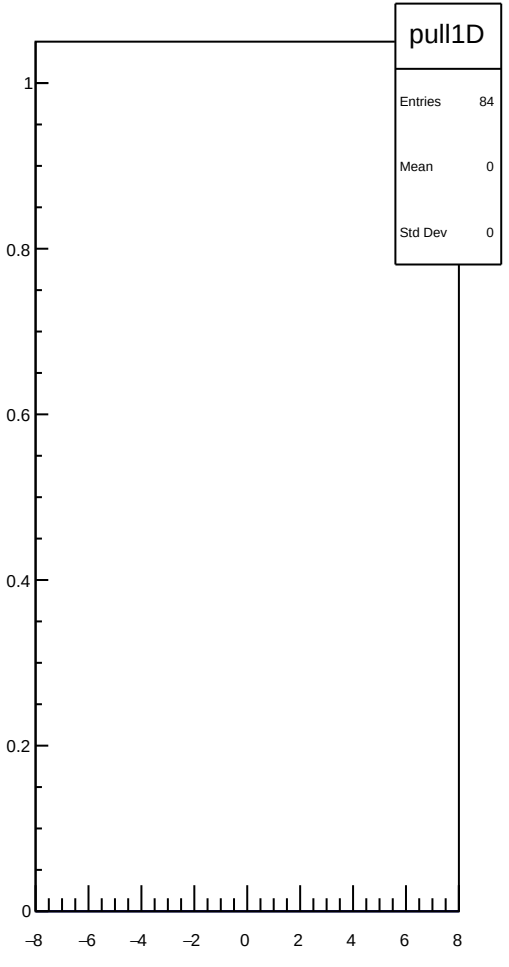

dit_sam1_coil7_err_mean vs run
χ² / ndf 1.788e+35 / 83
p0 145.2 ± 1.091e−16
300
250
200
150
100
pull
Entries 84
Mean 2.492e+09
Std Dev 2.492e+09
×10¹⁵
160
140
120
100
80
60
40
20
0
−20
−40

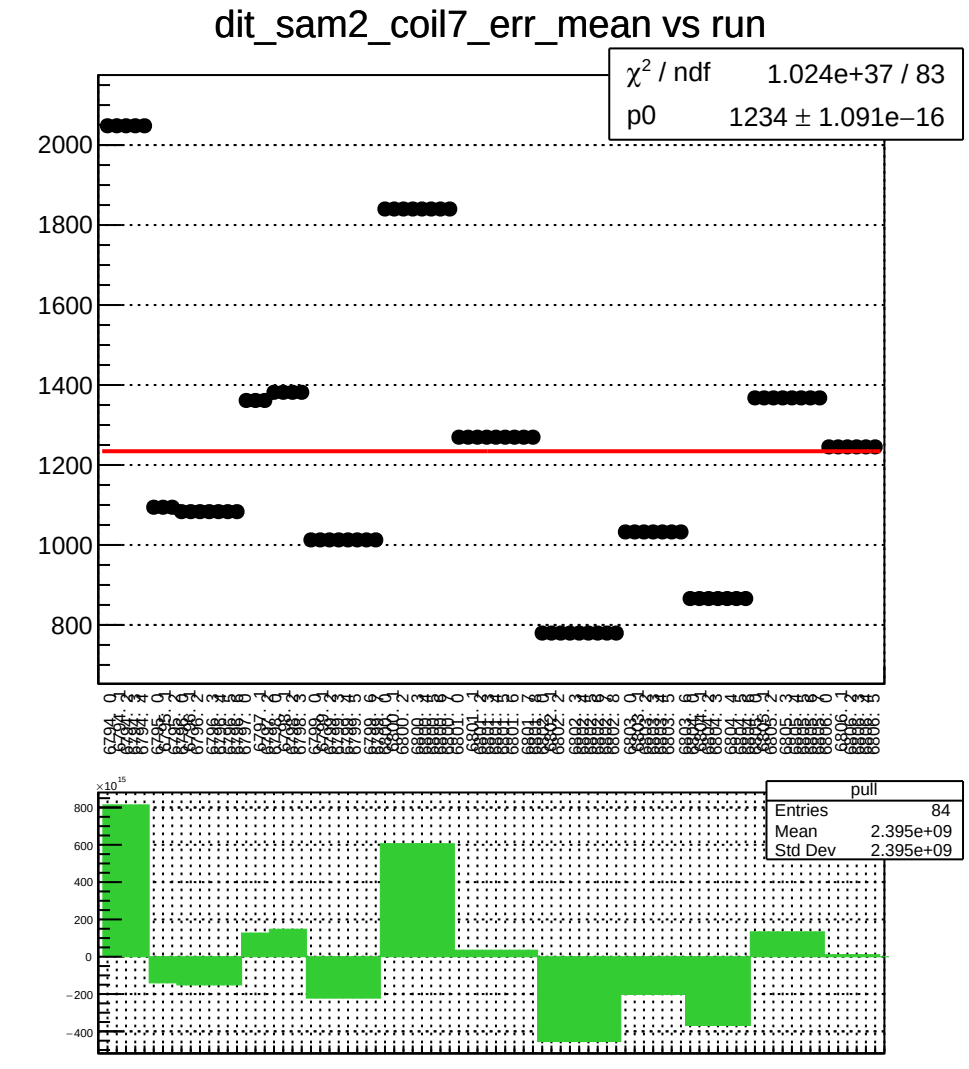

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

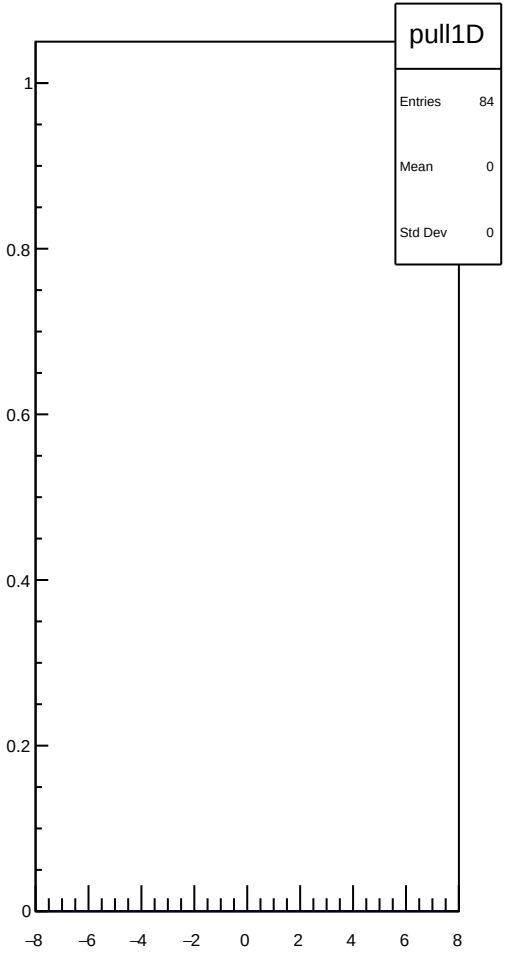

dit_sam1_coil7_Ndata_mean vs run
χ² / ndf 2.098e+37 / 83
p0 1086 ± 1.091e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean 0
Std Dev 0
×10¹⁵
800
600
400
200
0
−200
−400
−600

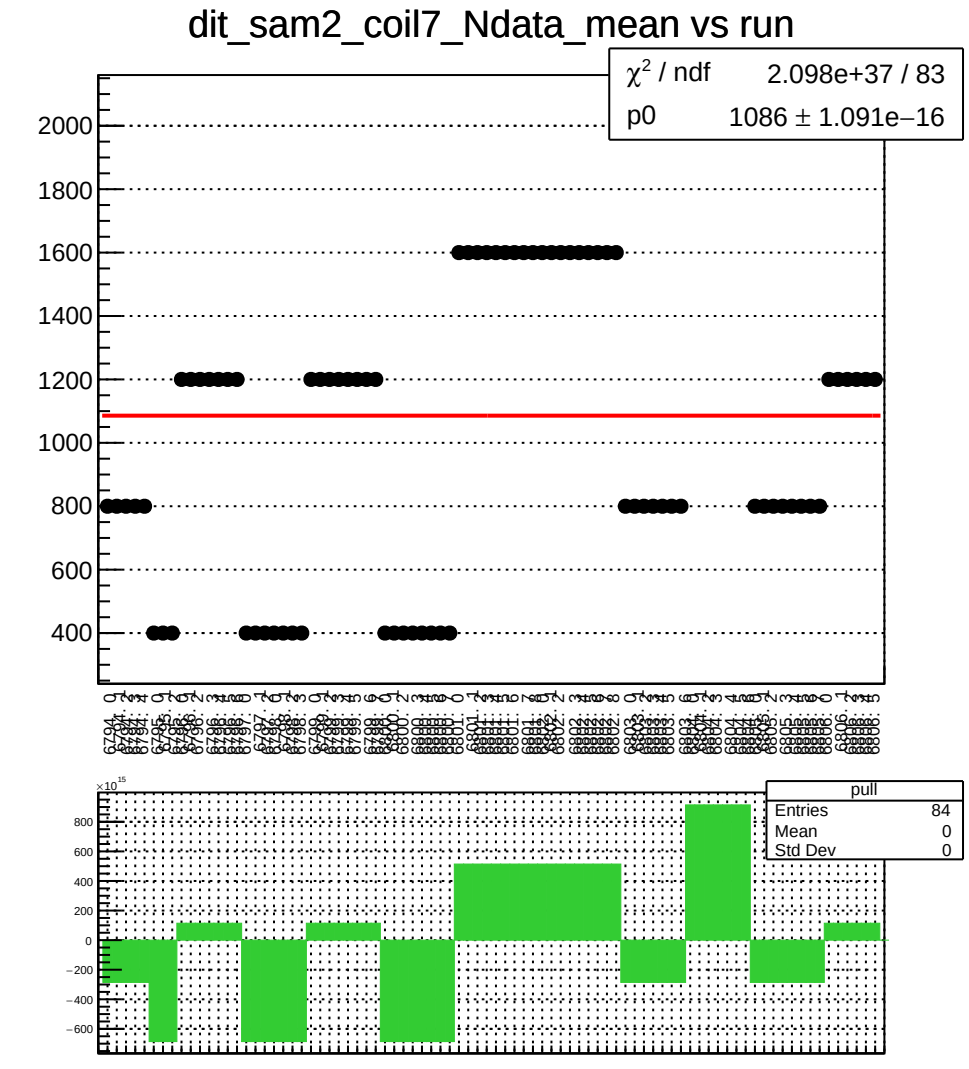

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

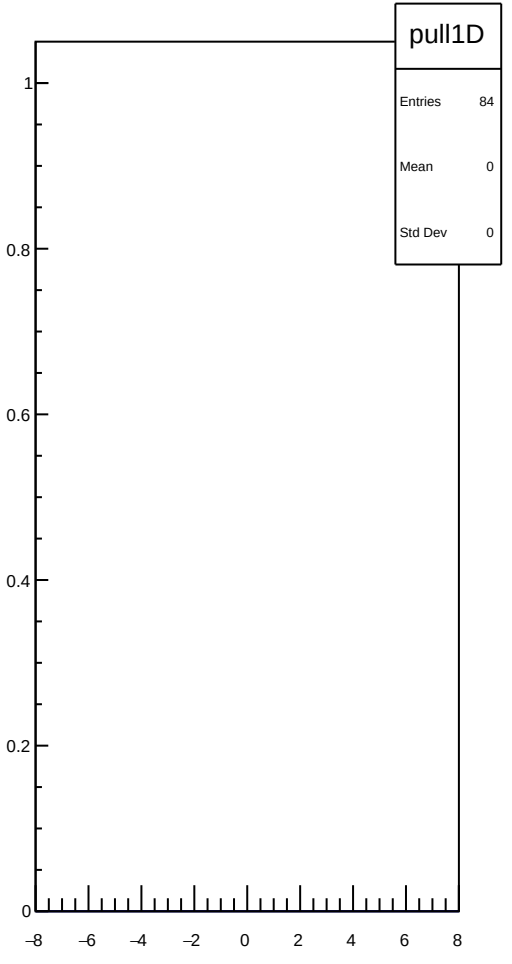

dit_sam2_coil7_mean vs run
χ² / ndf 3.025e+38 / 83
p0 −5406 ± 1.091e−16
pull
Entries 84
Mean 8.624e+09
Std Dev 8.624e+09

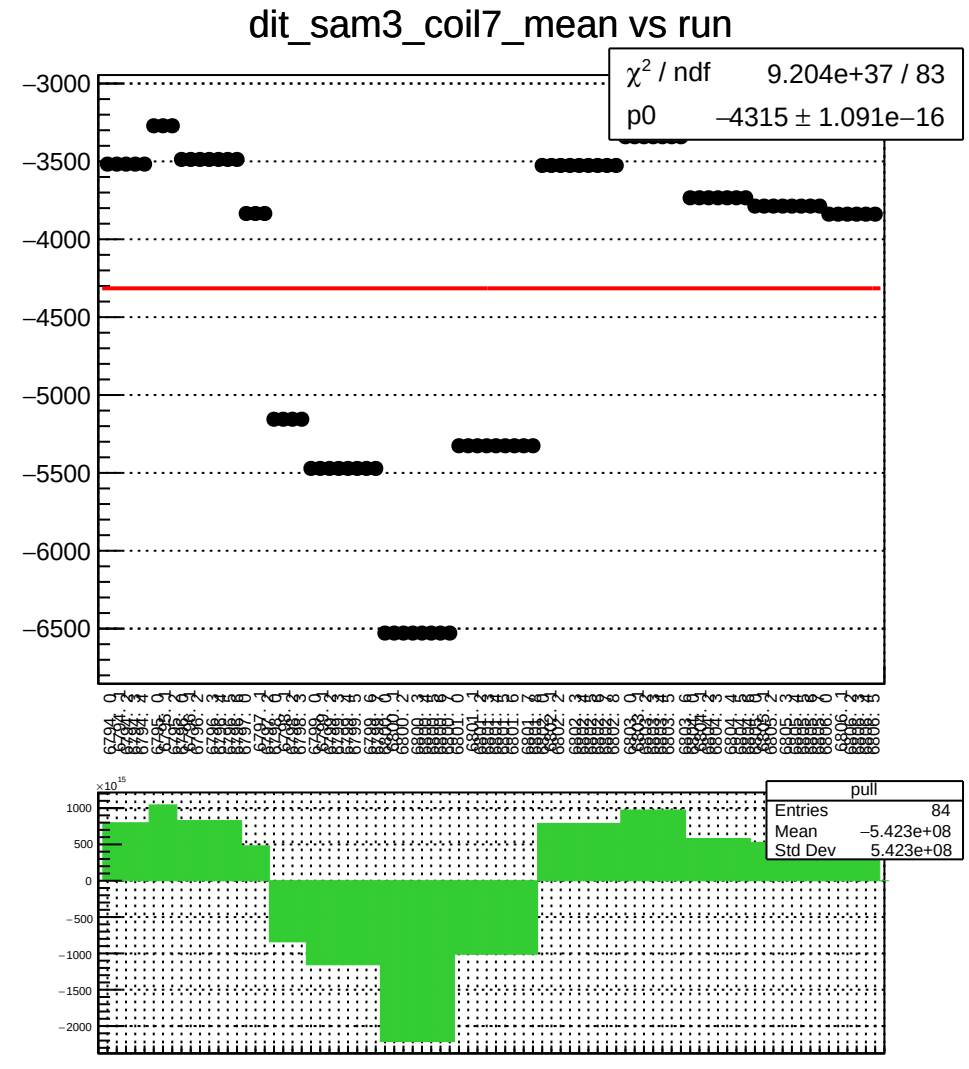

pull1D
Entries 84
Mean 0
Std Dev 0

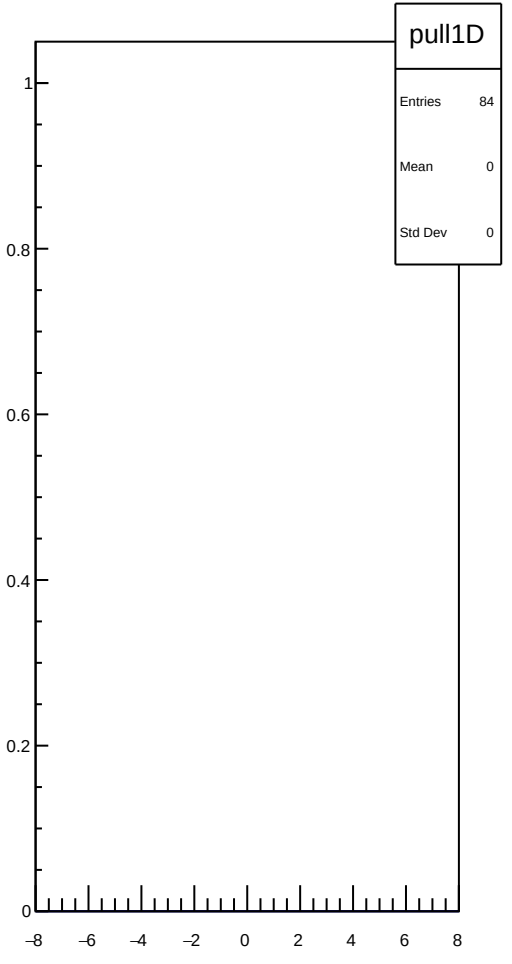

dit_sam2_coil7_err_mean vs run
χ² / ndf 1.024e+37 / 83
p0 1234 ± 1.091e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 84
Mean 2.395e+09
Std Dev 2.395e+09
×10¹⁵
800
600
400
200
0
−200
−400

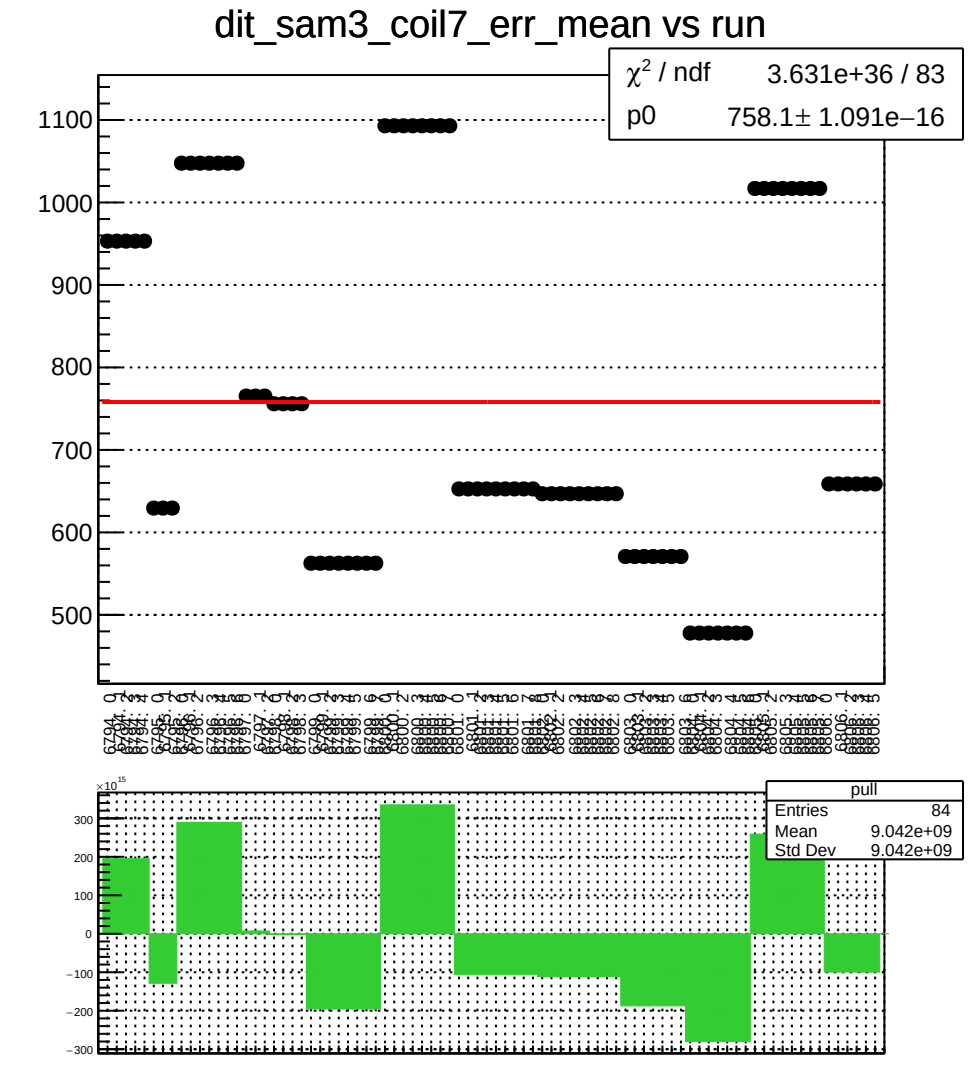

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

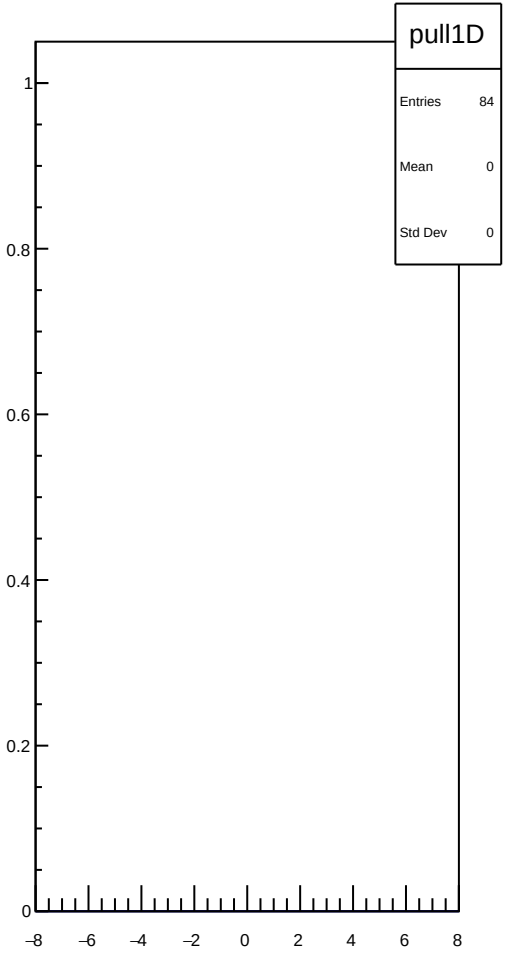

dit_sam2_coil7_Ndata_mean vs run
χ² / ndf 2.098e+37 / 83
p0 1086 ± 1.091e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean 0
Std Dev 0
×10¹⁵
800
600
400
200
0
−200
−400
−600

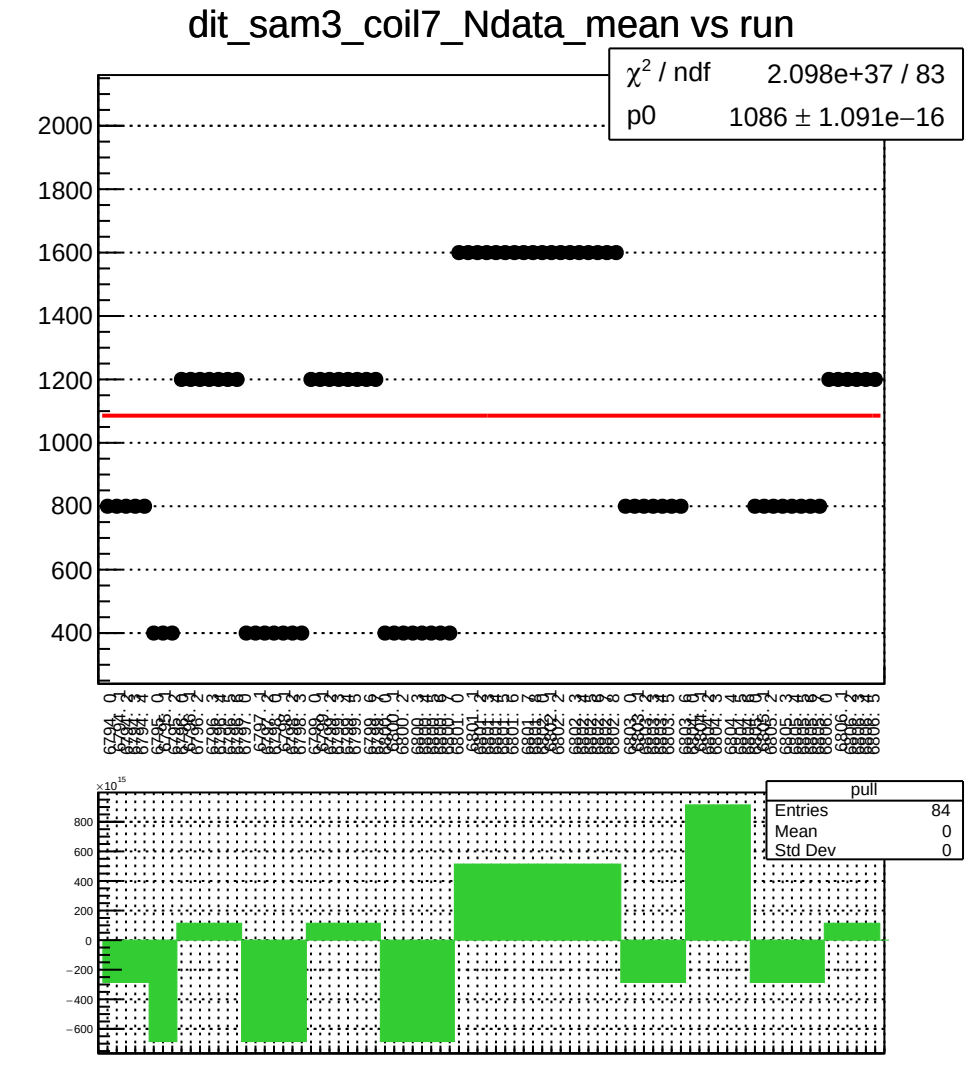

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

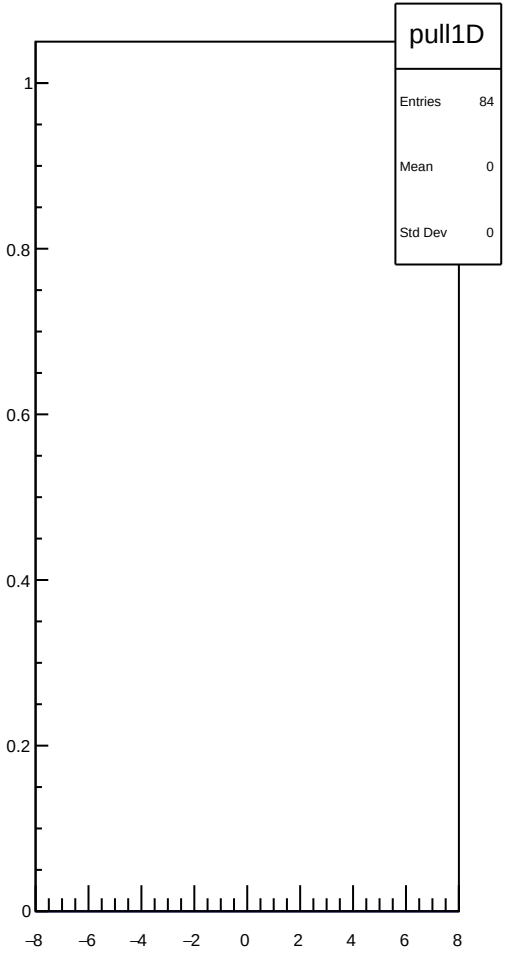

dit_sam3_coil7_mean vs run
χ² / ndf 9.204e+37 / 83
p0 −4315 ± 1.091e−16
−3000
−3500
−4000
−4500
−5000
−5500
−6000
−6500
pull
Entries 84
Mean −5.423e+08
Std Dev 5.423e+08
×10¹⁵
1000
500
0
−500
−1000
−1500
−2000

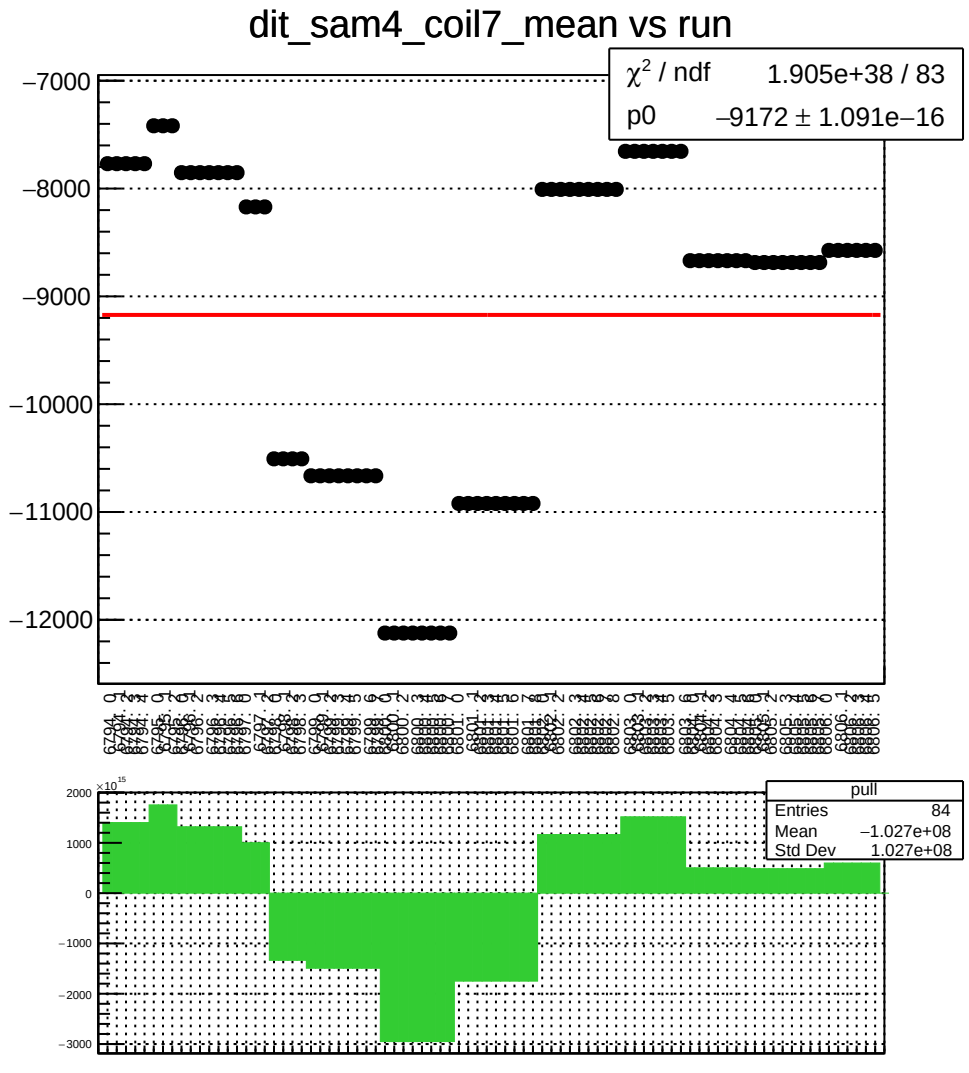

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

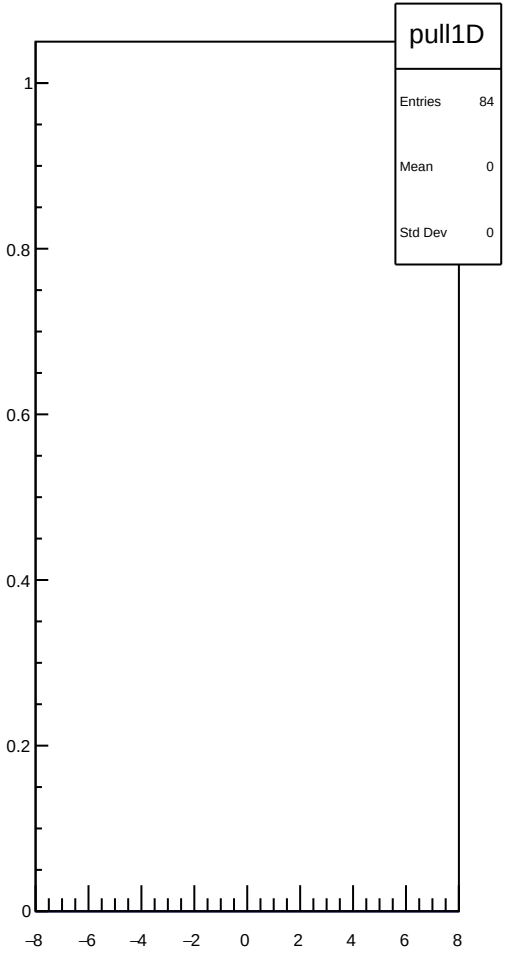

dit_sam3_coil7_err_mean vs run
χ² / ndf 3.631e+36 / 83
p0 758.1± 1.091e−16
1100
1000
900
800
700
600
500
pull
Entries 84
Mean 9.042e+09
Std Dev 9.042e+09
×10¹⁵
300
200
100
0
−100
−200
−300

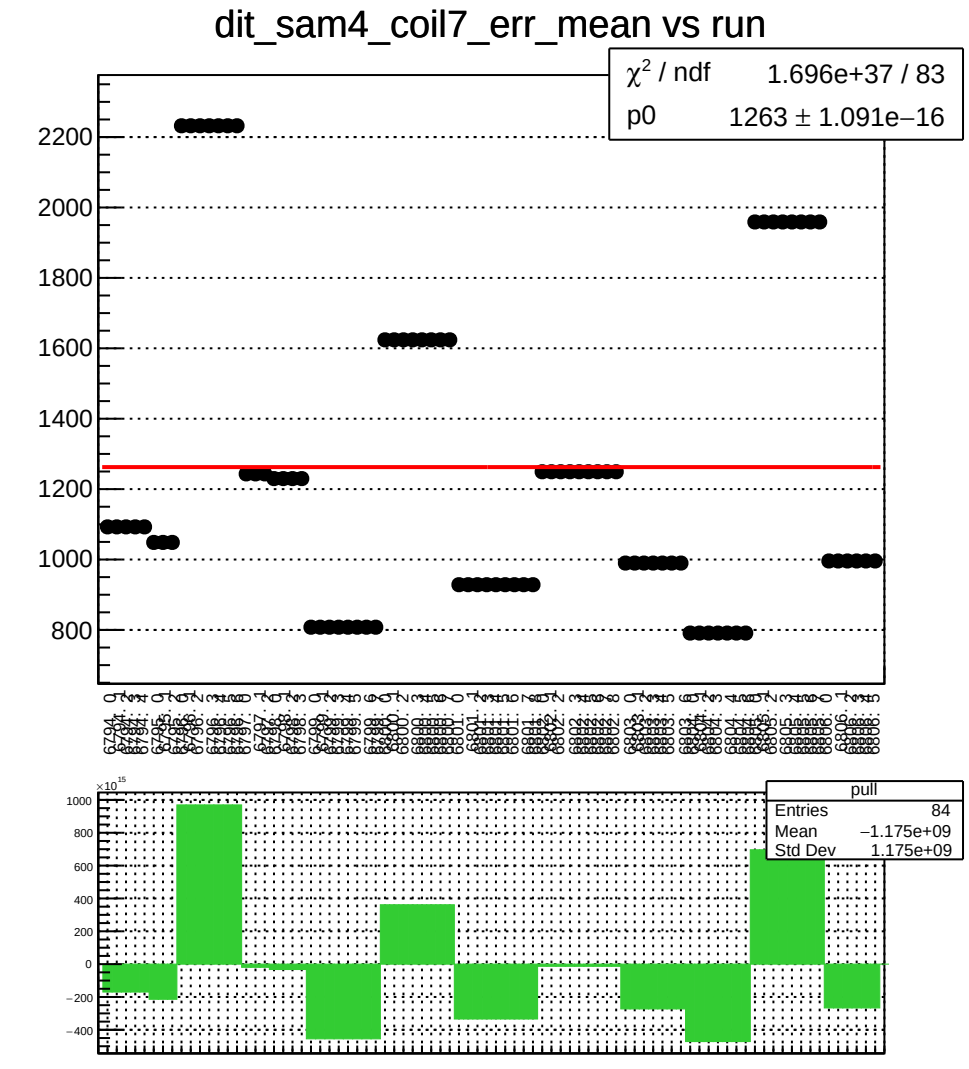

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

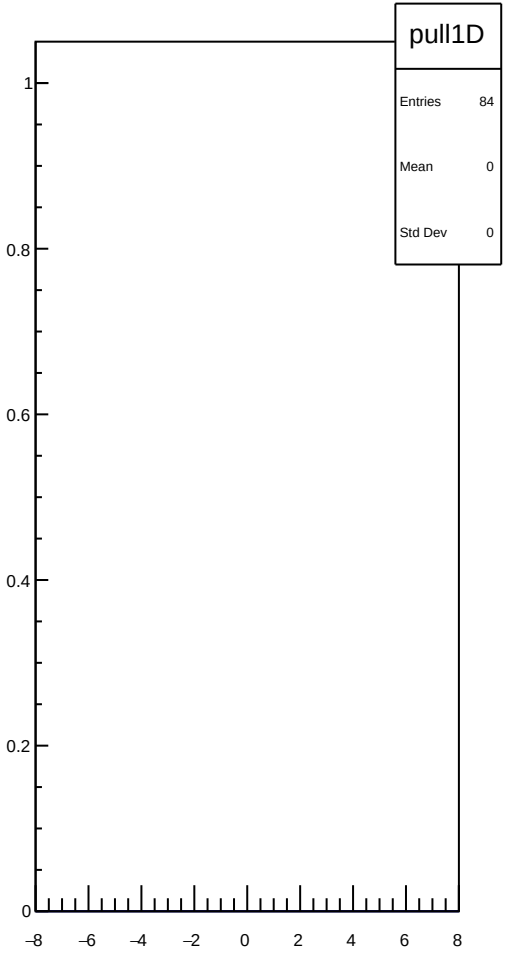

dit_sam3_coil7_Ndata_mean vs run
χ² / ndf 2.098e+37 / 83
p0 1086 ± 1.091e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean 0
Std Dev 0
×10¹⁵
800
600
400
200
0
−200
−400
−600

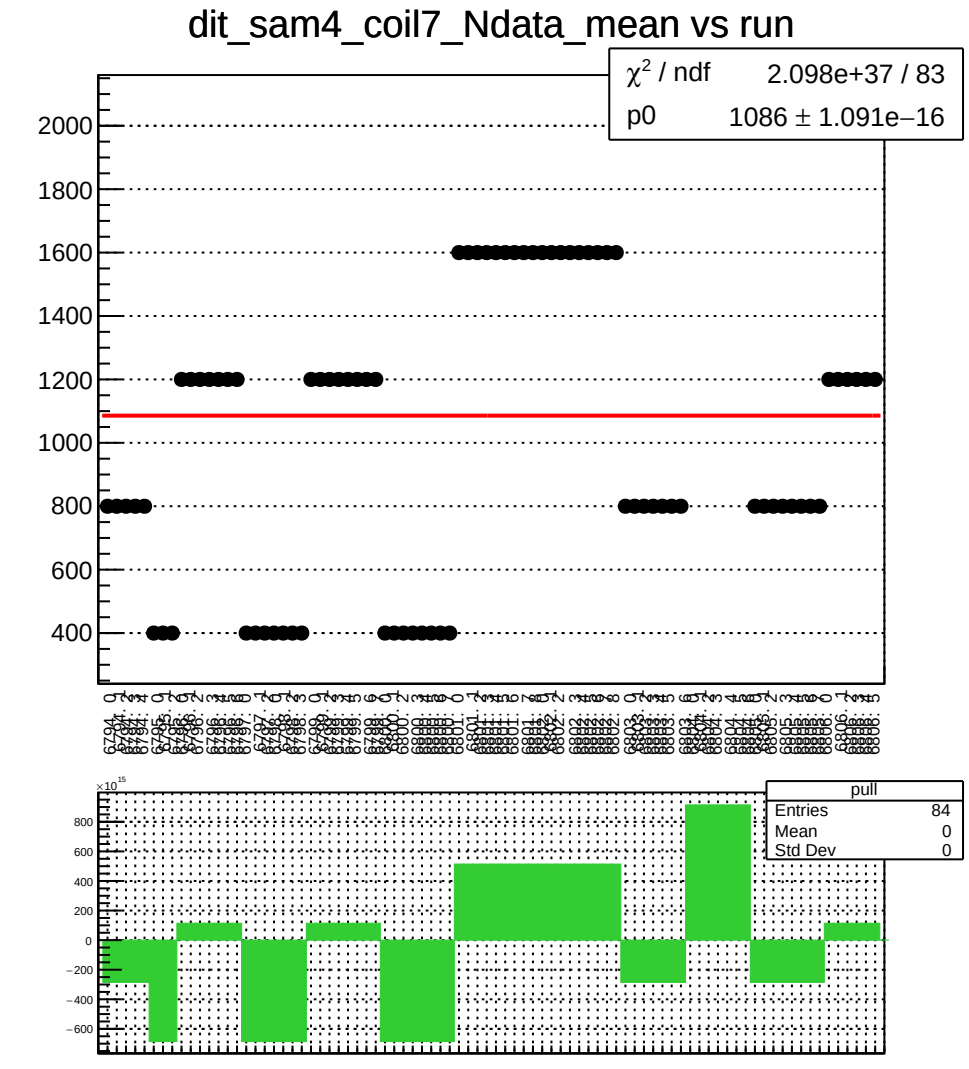

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

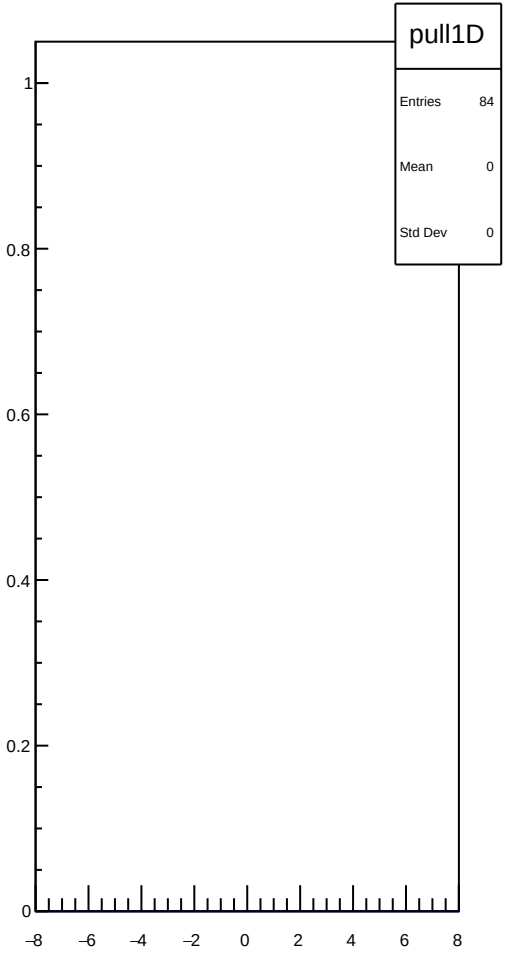

dit_sam4_coil7_mean vs run
χ² / ndf 1.905e+38 / 83
p0 −9172 ± 1.091e−16
−7000
−8000
−9000
−10000
−11000
−12000
pull
Entries 84
Mean −1.027e+08
Std Dev 1.027e+08
×10¹⁵
2000
1000
0
−1000
−2000
−3000

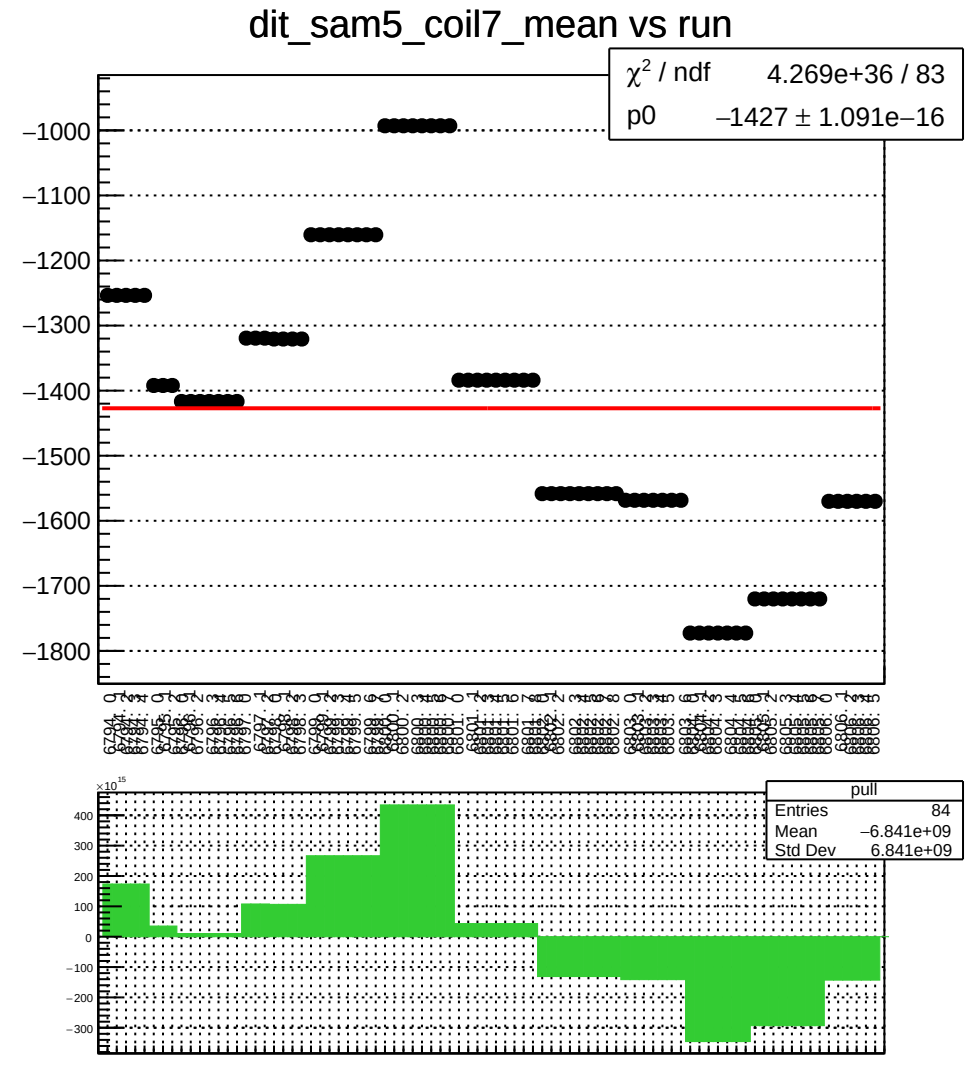

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

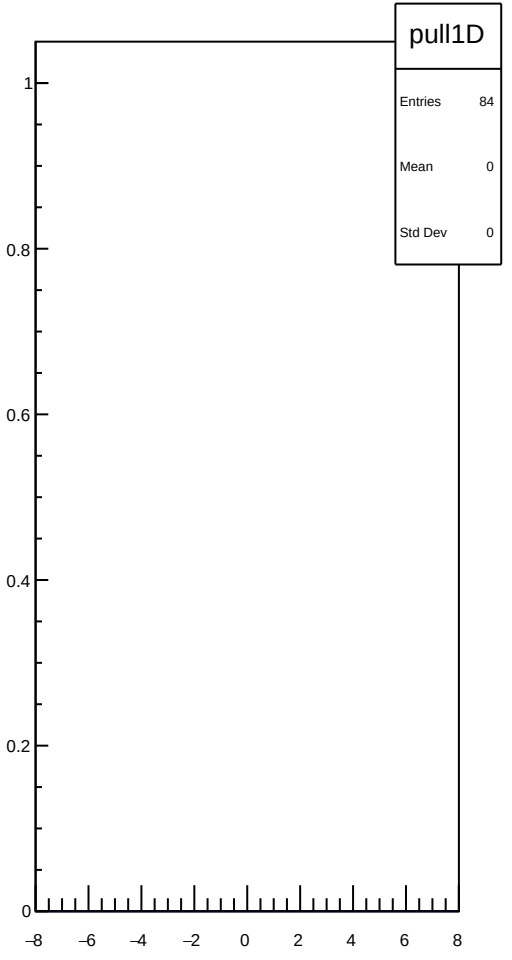

dit_sam4_coil7_err_mean vs run
χ² / ndf 1.696e+37 / 83
p0 1263 ± 1.091e−16
2200
2000
1800
1600
1400
1200
1000
800
pull
Entries 84
Mean −1.175e+09
Std Dev 1.175e+09
×10¹⁵
1000
800
600
400
200
0
−200
−400

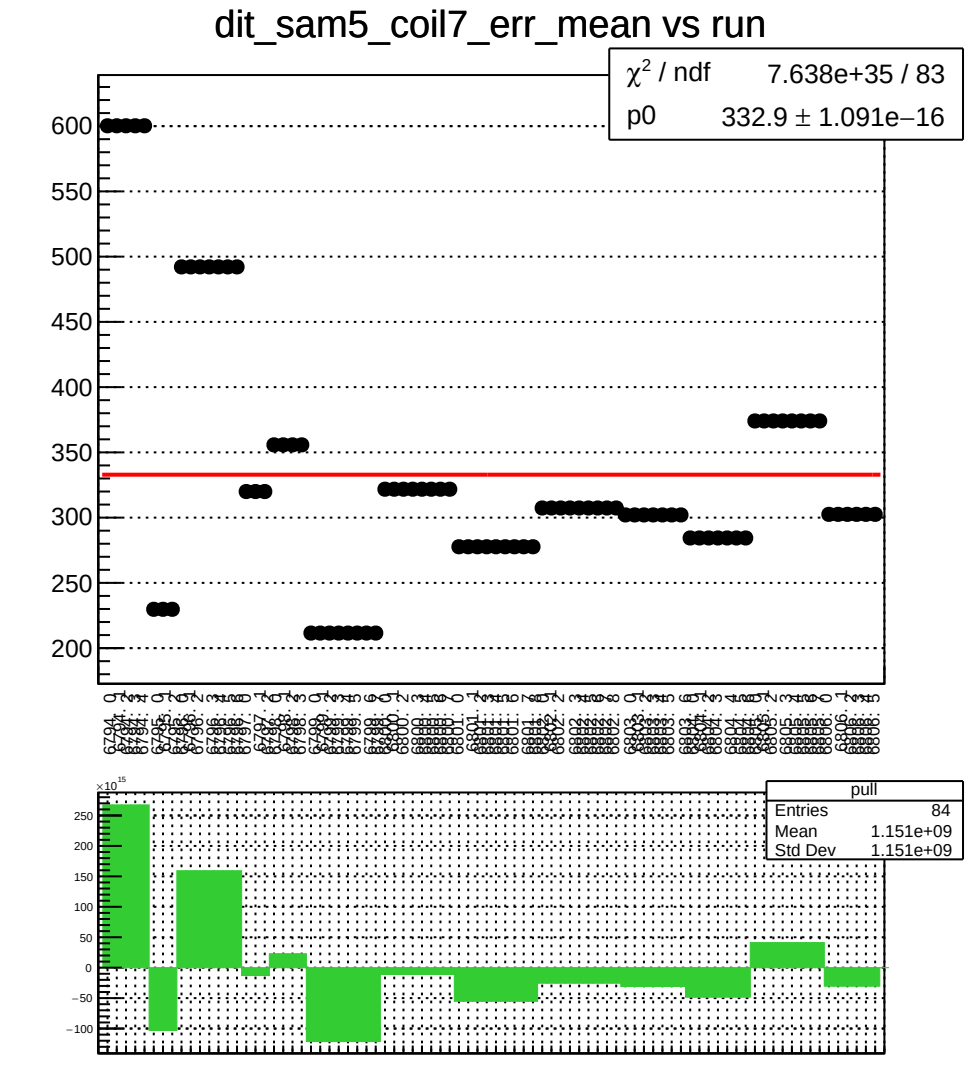

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

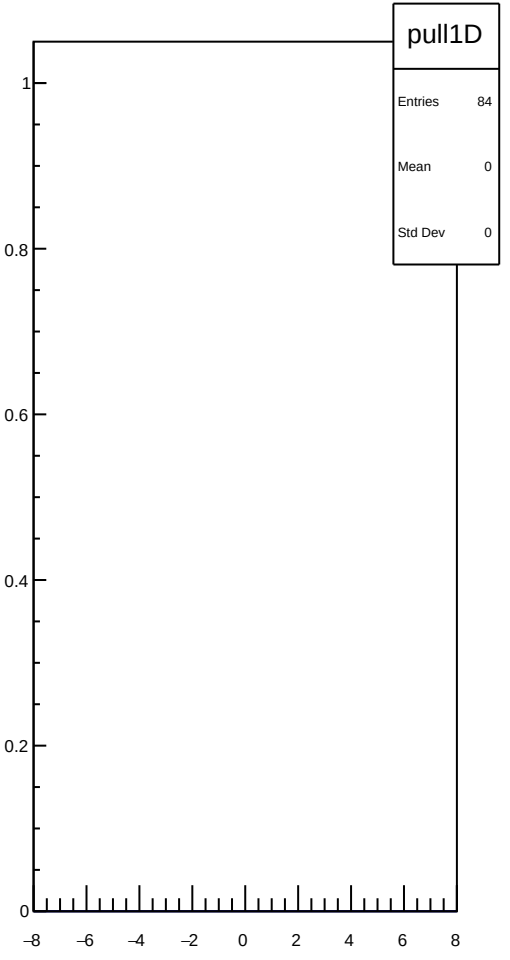

dit_sam4_coil7_Ndata_mean vs run
χ² / ndf 2.098e+37 / 83
p0 1086 ± 1.091e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean 0
Std Dev 0
×10¹⁵
800
600
400
200
0
−200
−400
−600

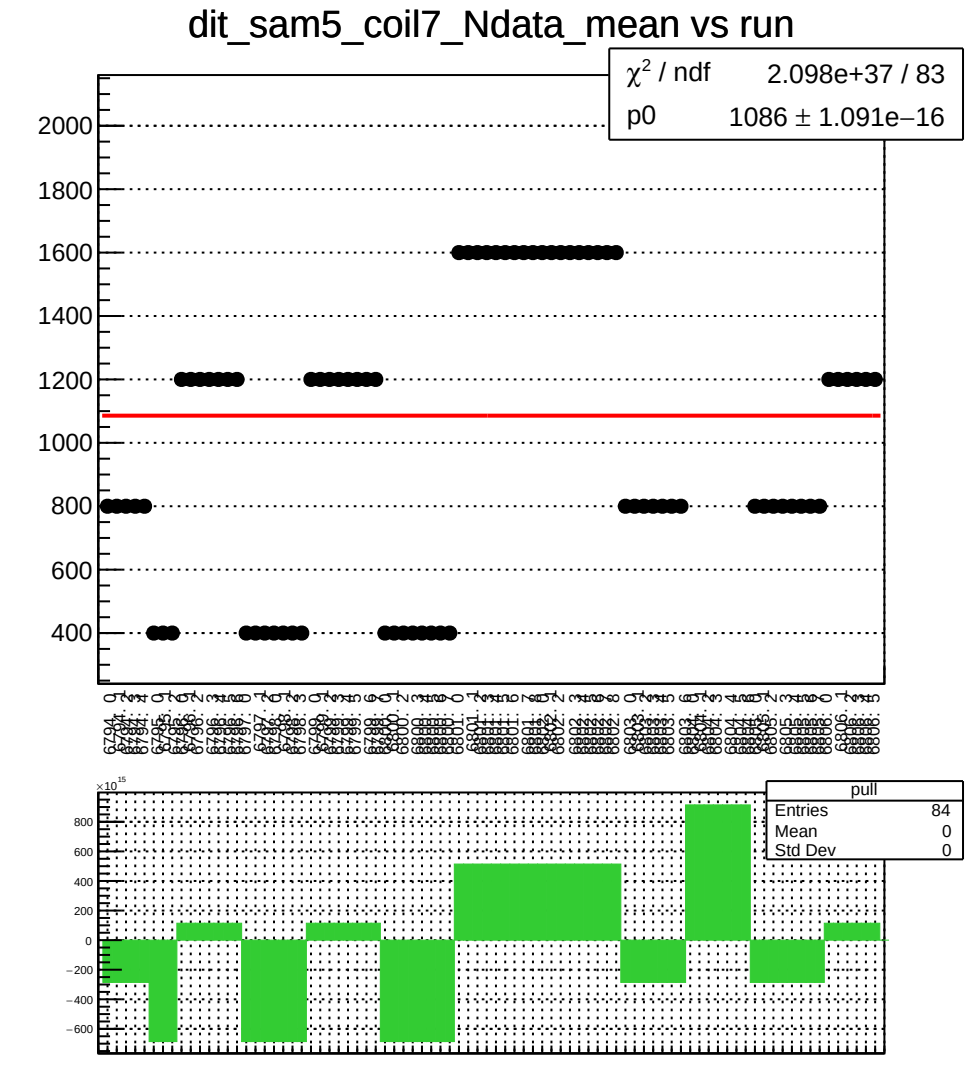

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

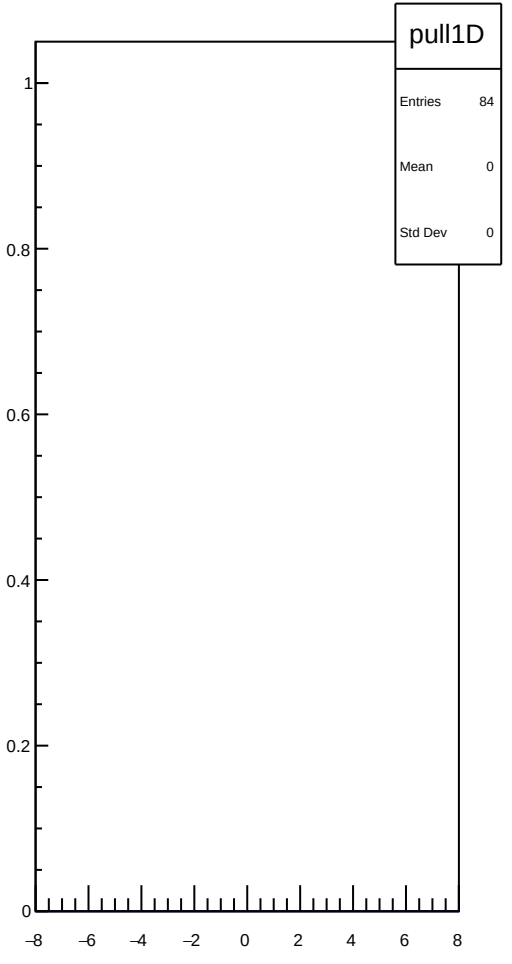

dit_sam5_coil7_mean vs run
χ² / ndf 4.269e+36 / 83
p0 −1427 ± 1.091e−16
−1000
−1100
−1200
−1300
−1400
−1500
−1600
−1700
−1800
pull
Entries 84
Mean −6.841e+09
Std Dev 6.841e+09
×10¹⁵
400
300
200
100
0
−100
−200
−300

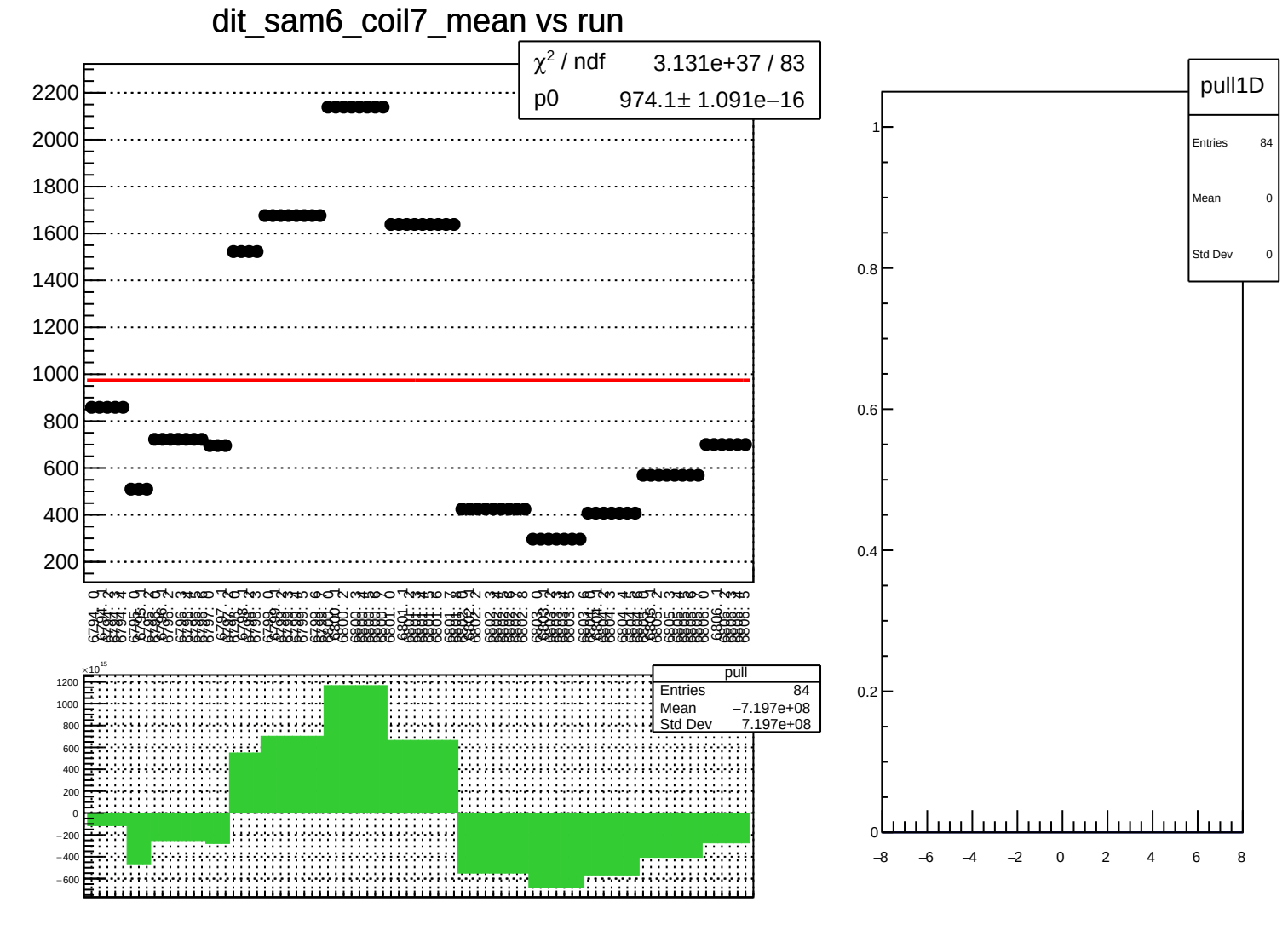

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

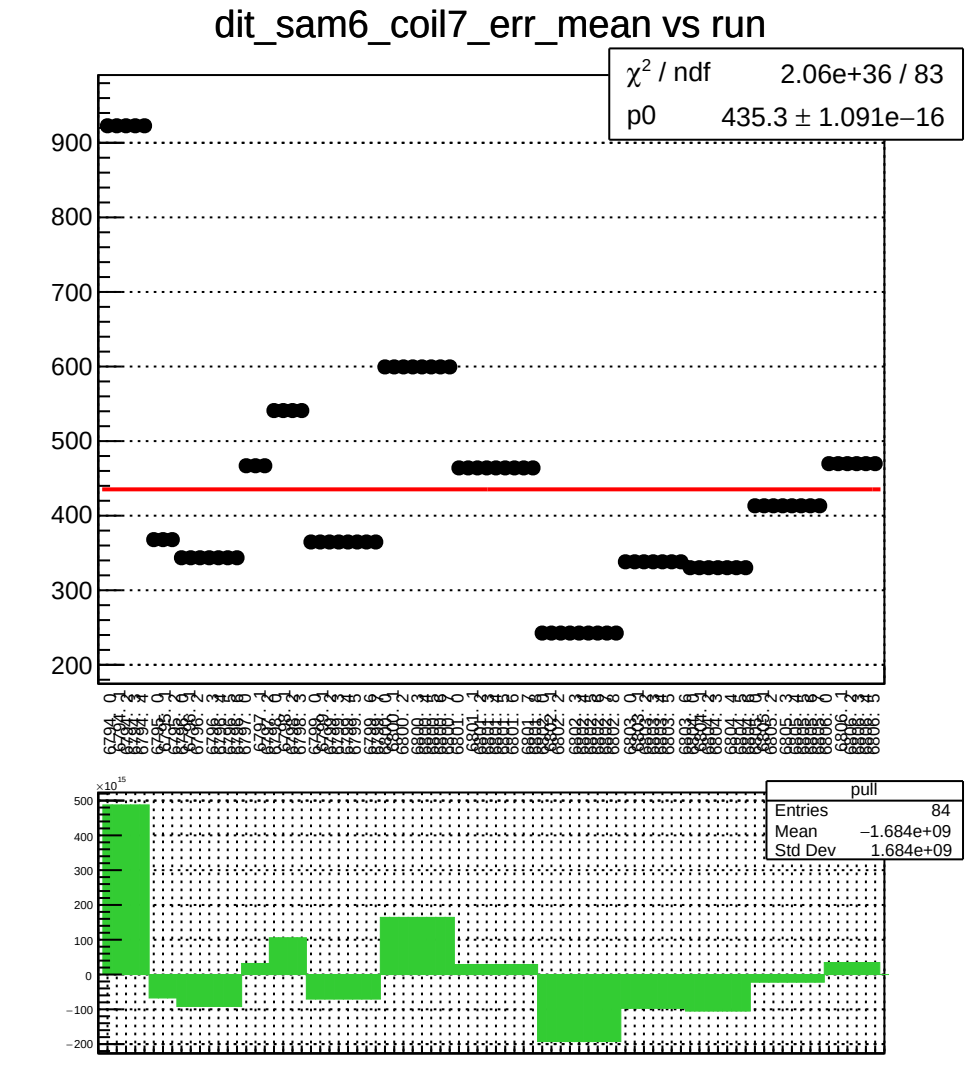

dit_sam5_coil7_err_mean vs run
χ² / ndf 7.638e+35 / 83
p0 332.9 ± 1.091e−16
pull
Entries 84
Mean 1.151e+09
Std Dev 1.151e+09

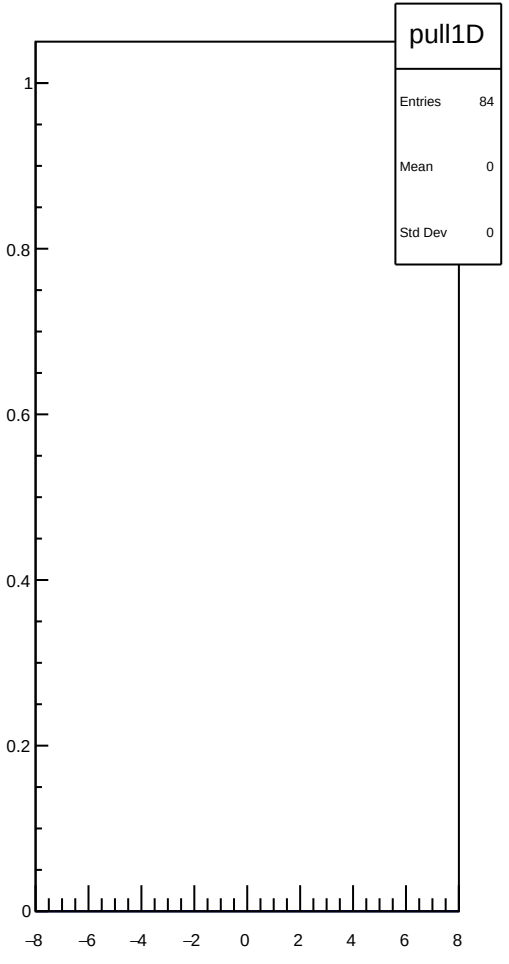

pull1D
Entries 84
Mean 0
Std Dev 0

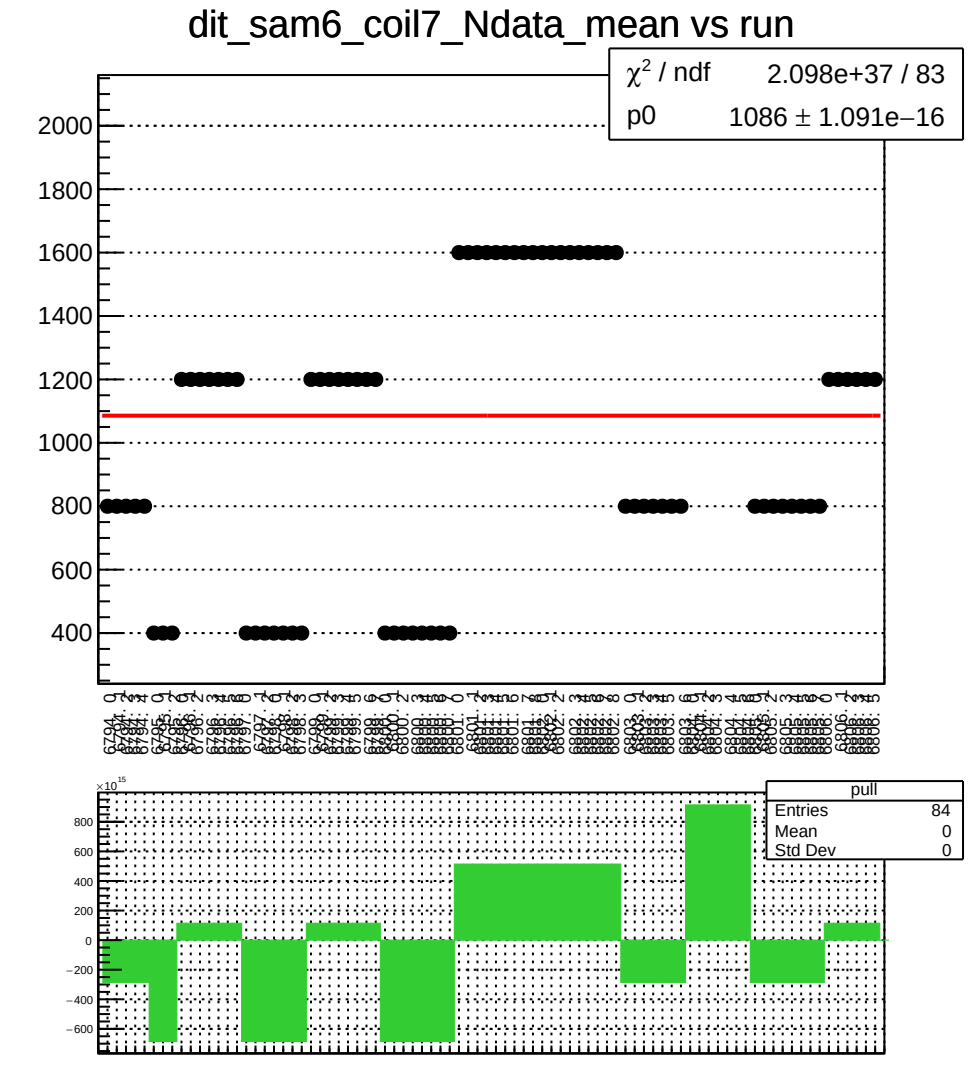

dit_sam5_coil7_Ndata_mean vs run
χ² / ndf 2.098e+37 / 83
p0 1086 ± 1.091e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean 0
Std Dev 0
×10¹⁵
800
600
400
200
0
−200
−400
−600

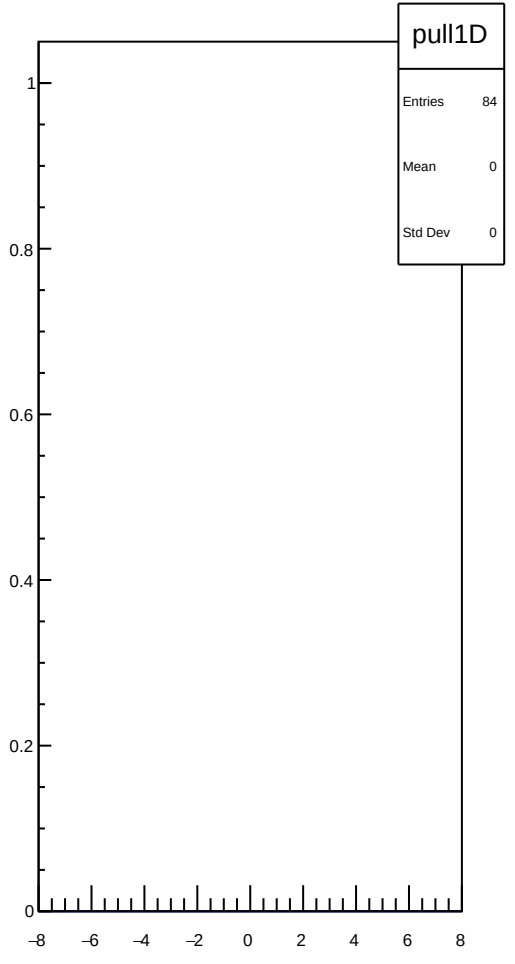

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

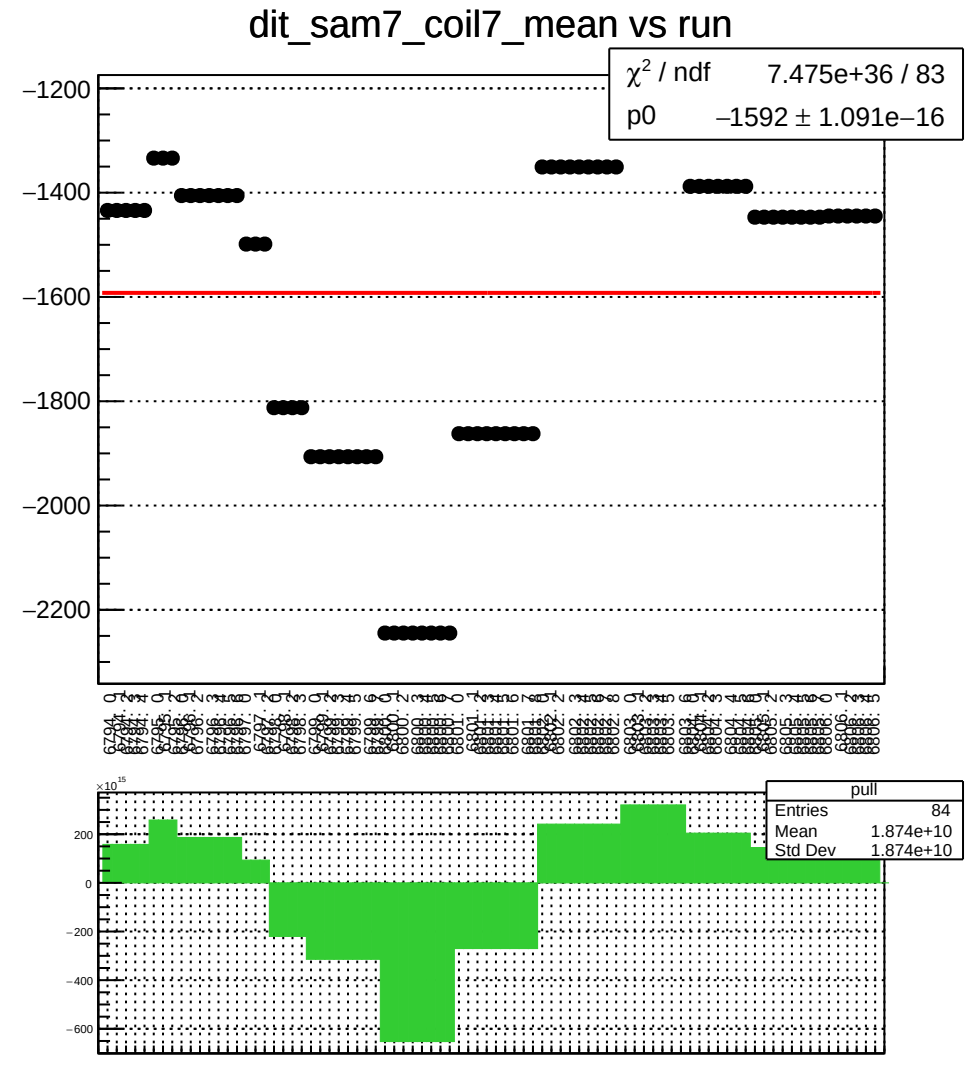

dit_sam6_coil7_mean vs run
χ² / ndf 3.131e+37 / 83
p0 974.1± 1.091e−16
pull
Entries 84
Mean −7.197e+08
Std Dev 7.197e+08
pull1D
Entries 84
Mean 0
Std Dev 0

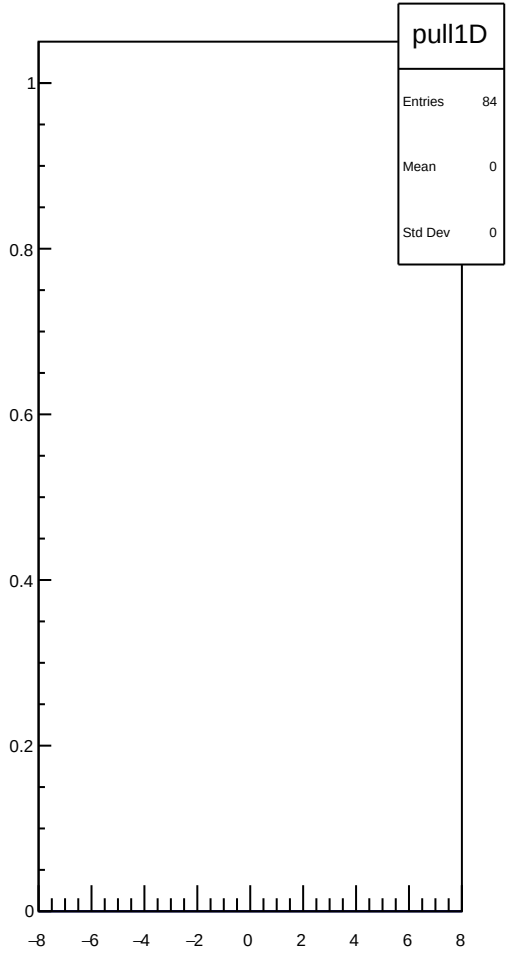

dit_sam6_coil7_err_mean vs run
χ² / ndf 2.06e+36 / 83
p0 435.3 ± 1.091e−16
900
800
700
600
500
400
300
200
pull
Entries 84
Mean −1.684e+09
Std Dev 1.684e+09
×10¹⁵
500
400
300
200
100
0
−100
−200

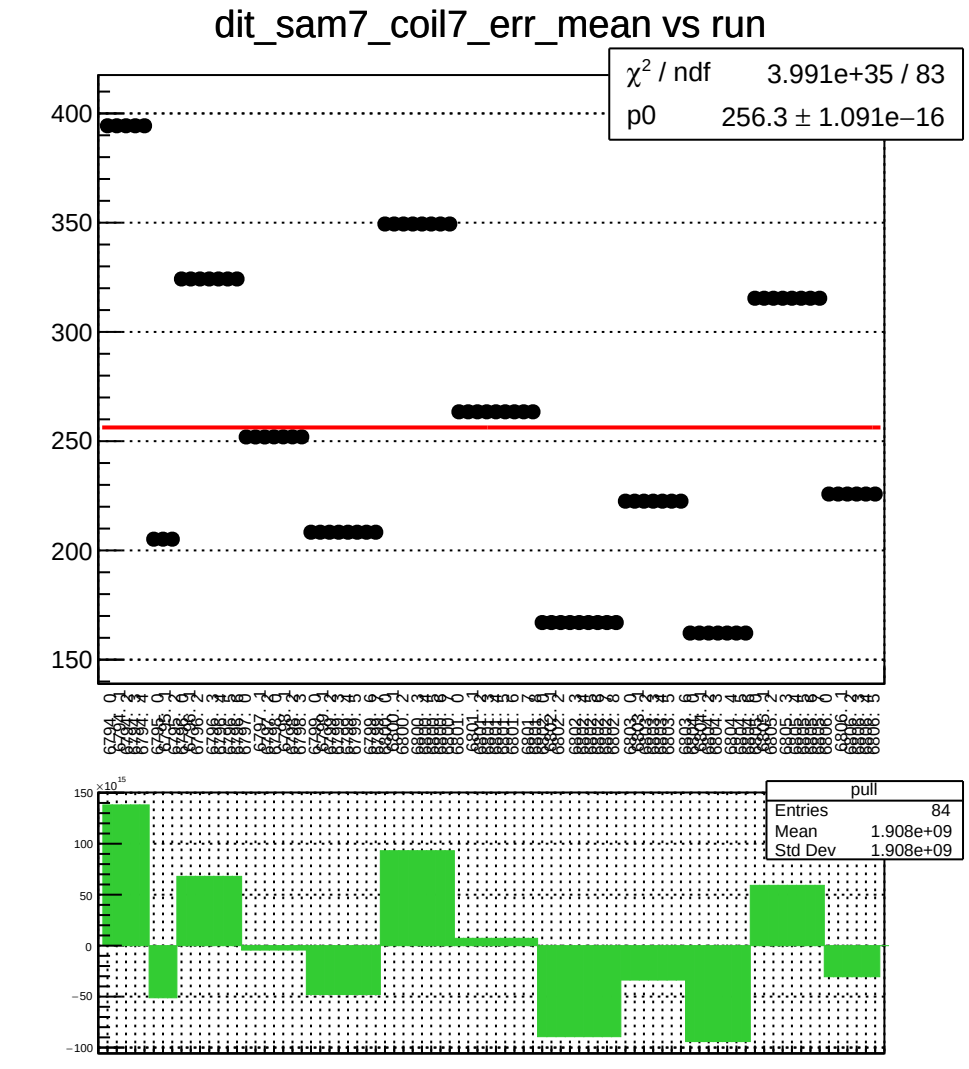

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

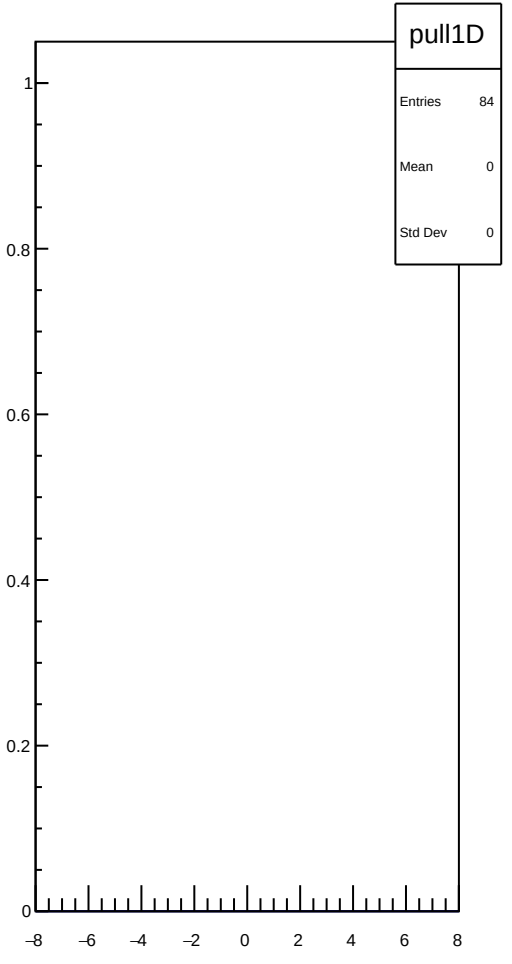

dit_sam6_coil7_Ndata_mean vs run
χ² / ndf 2.098e+37 / 83
p0 1086 ± 1.091e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean 0
Std Dev 0
×10¹⁵
800
600
400
200
0
−200
−400
−600

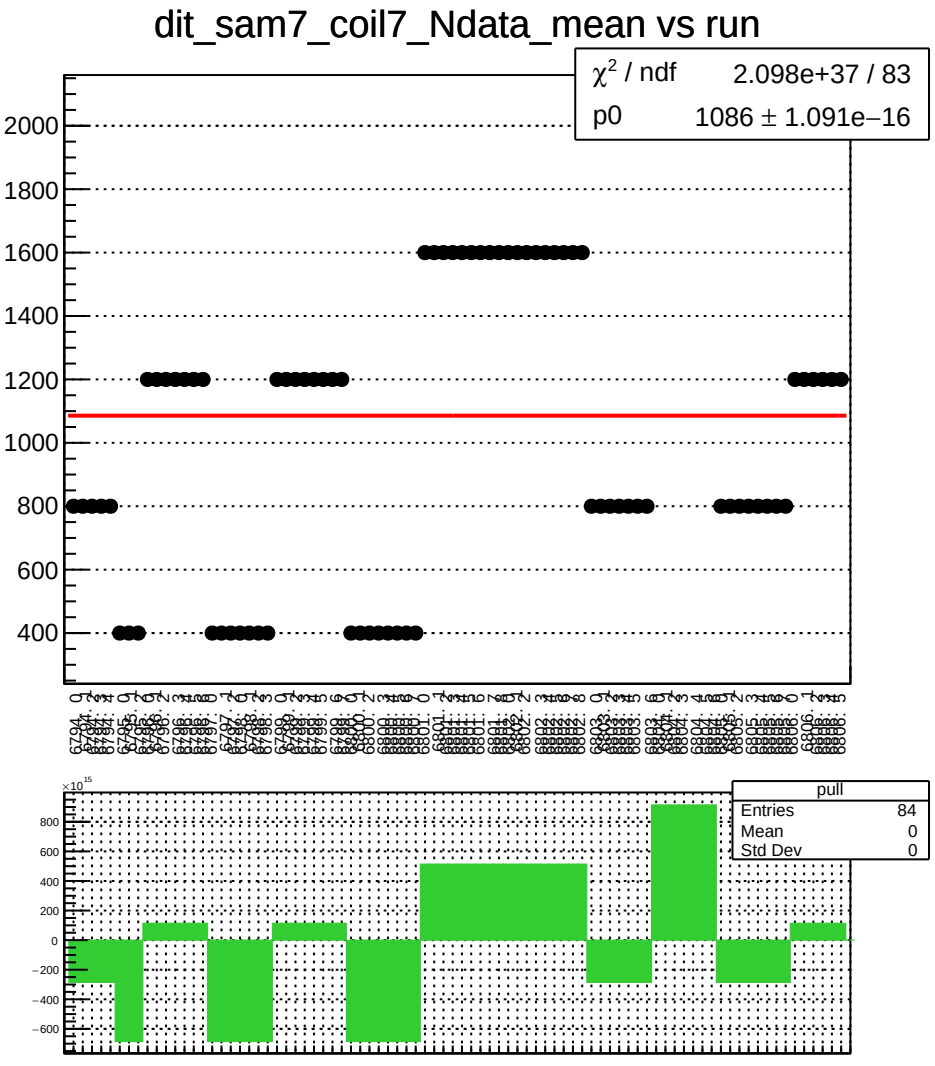

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

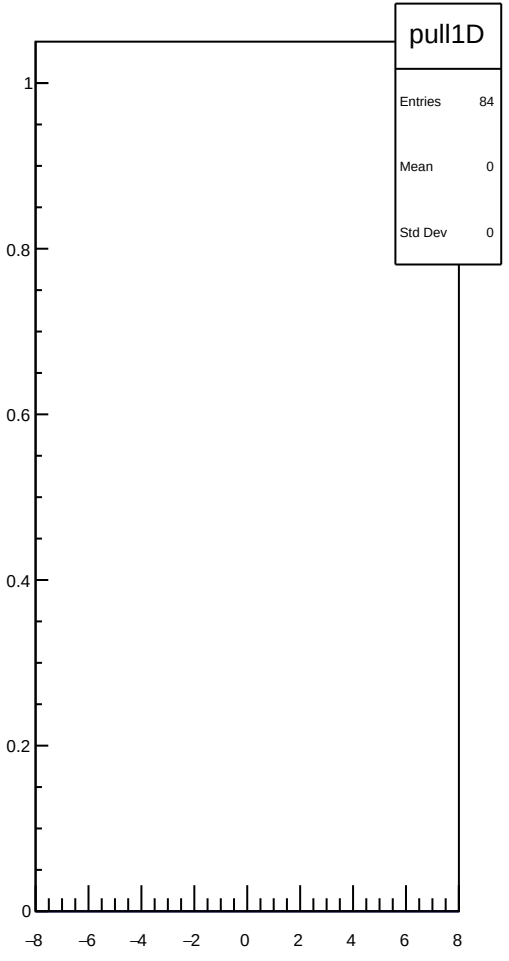

dit_sam7_coil7_mean vs run
χ² / ndf 7.475e+36 / 83
p0 −1592 ± 1.091e−16
−1200
−1400
−1600
−1800
−2000
−2200
pull
Entries 84
Mean 1.874e+10
Std Dev 1.874e+10
×10¹⁵
200
0
−200
−400
−600

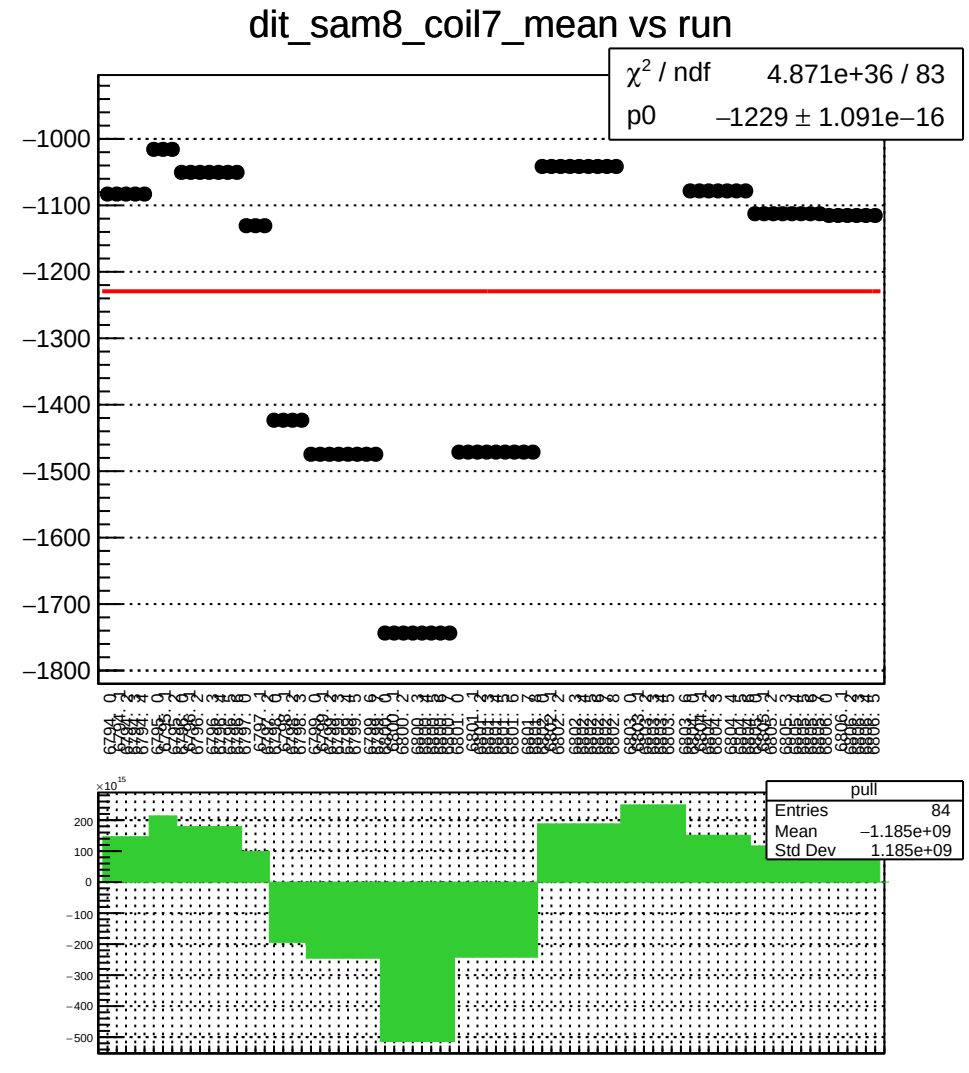

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

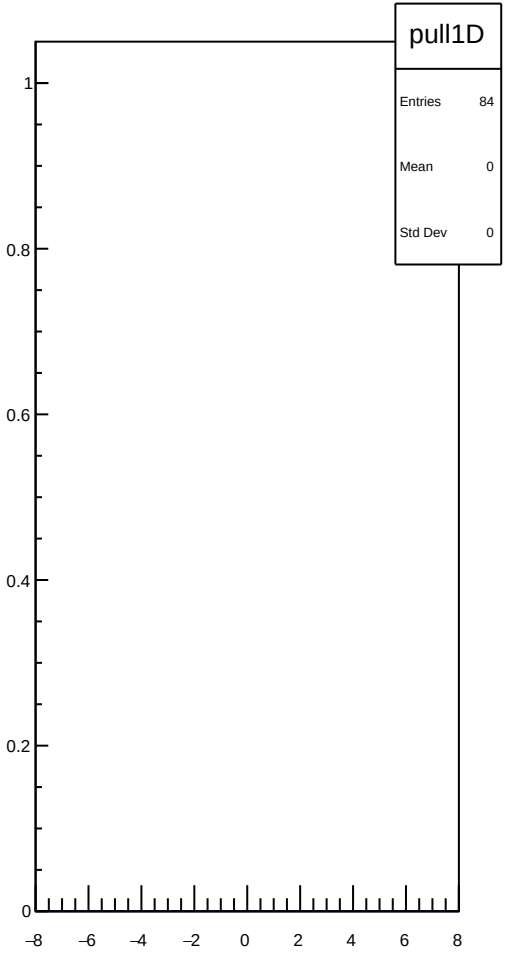

dit_sam7_coil7_err_mean vs run
χ² / ndf 3.991e+35 / 83
p0 256.3 ± 1.091e−16
400
350
300
250
200
150
pull
Entries 84
Mean 1.908e+09
Std Dev 1.908e+09
×10¹⁵
150
100
50
0
−50
−100

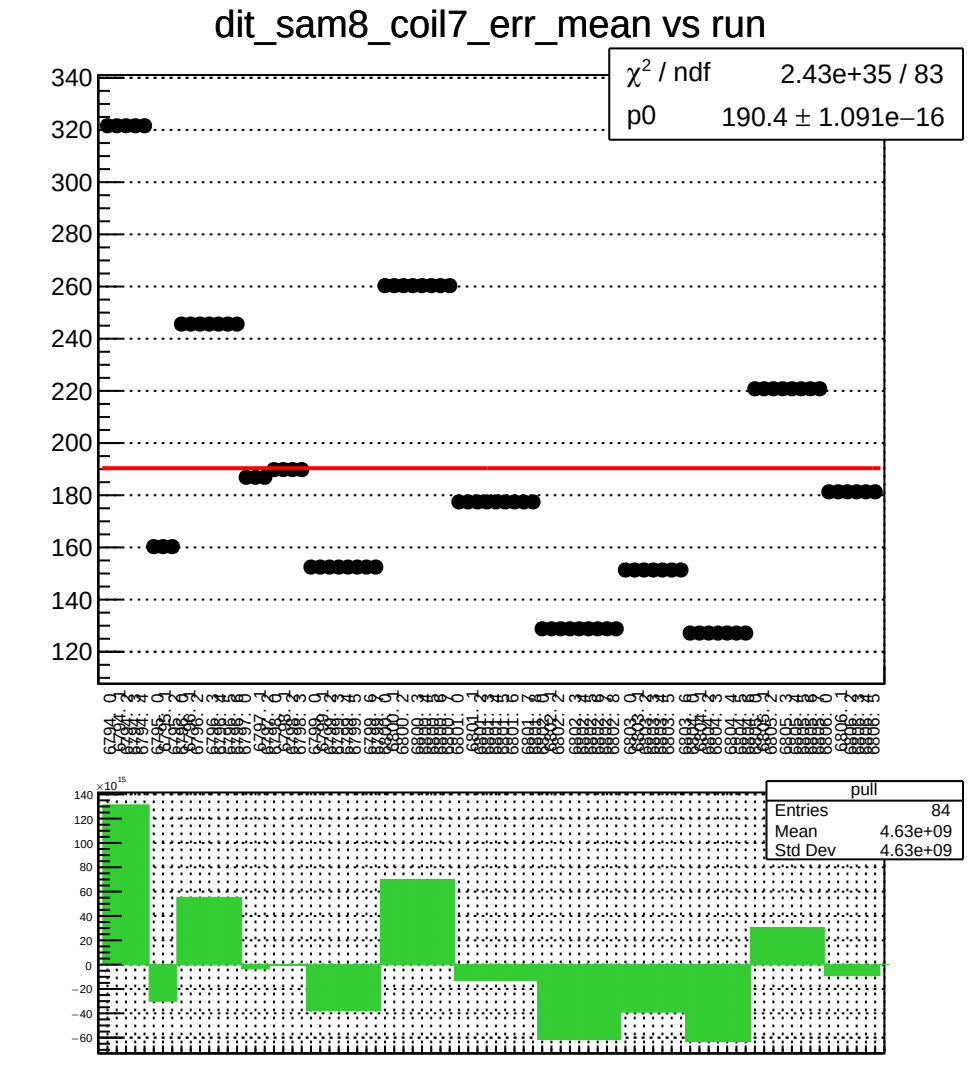

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

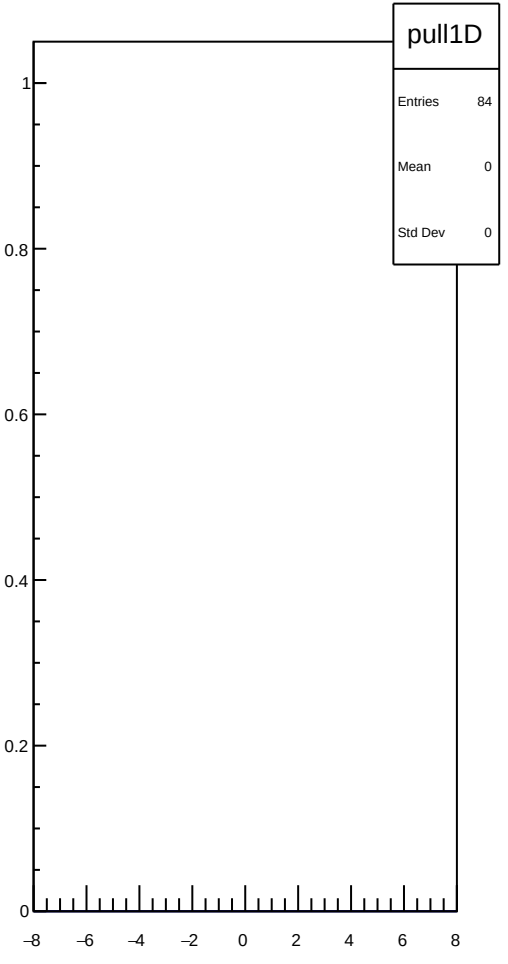

dit_sam7_coil7_Ndata_mean vs run
χ² / ndf 2.098e+37 / 83
p0 1086 ± 1.091e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean 0
Std Dev 0
×10¹⁵
800
600
400
200
0
−200
−400
−600

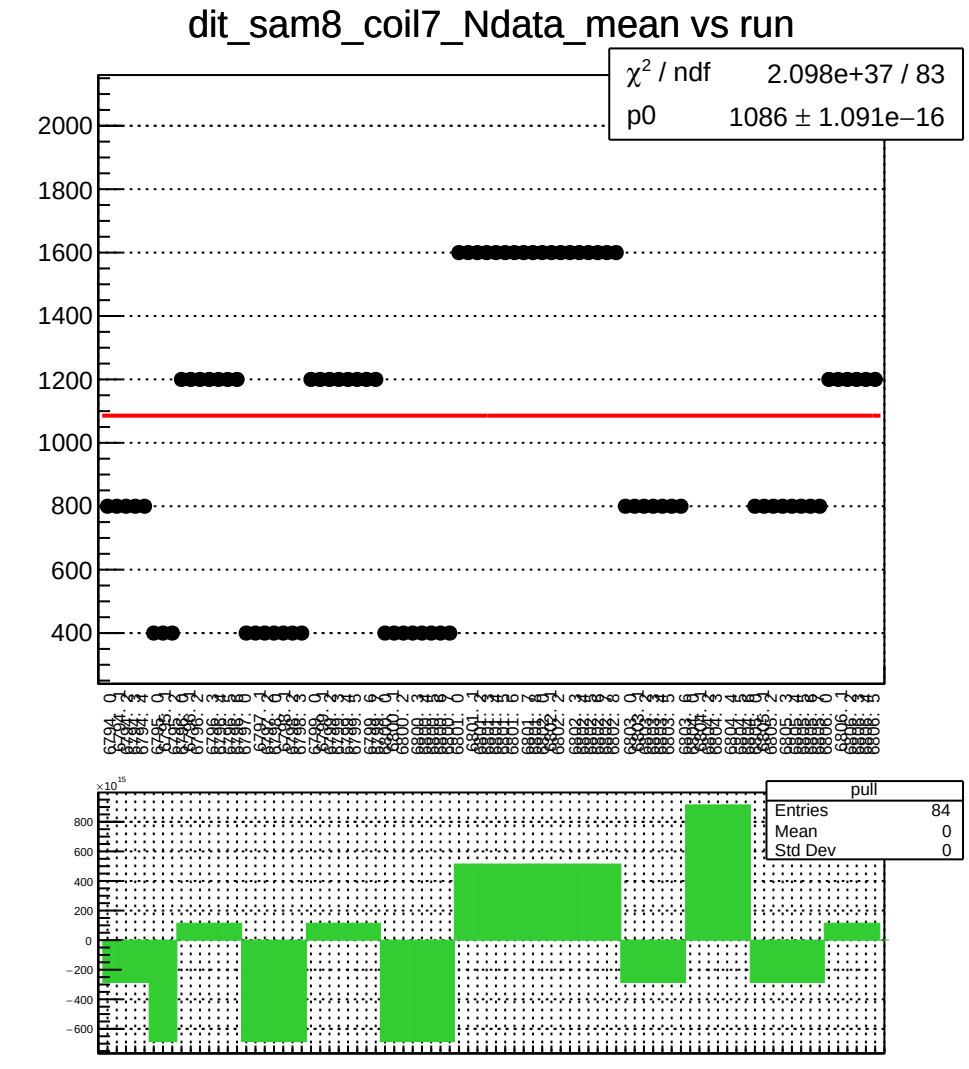

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

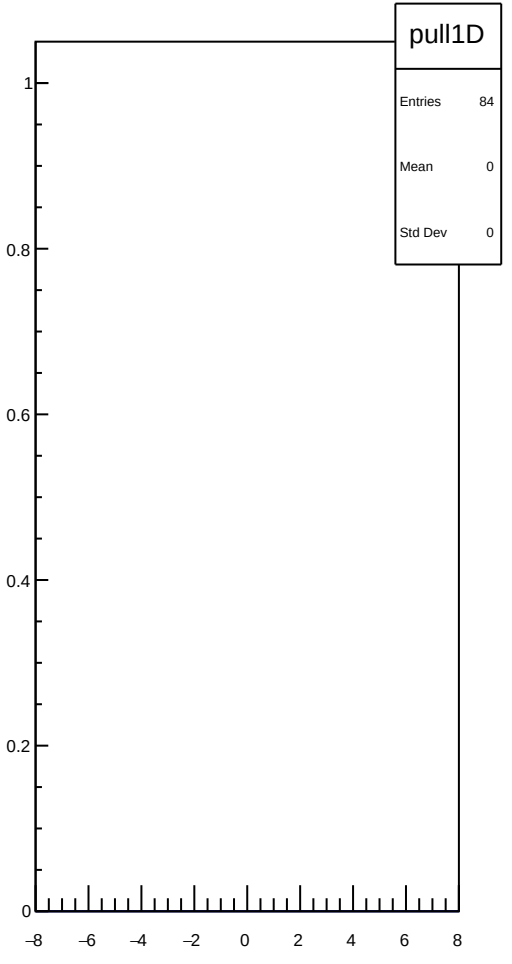

dit_sam8_coil7_mean vs run
χ² / ndf 4.871e+36 / 83
p0 −1229 ± 1.091e−16
−1000
−1100
−1200
−1300
−1400
−1500
−1600
−1700
−1800
pull
Entries 84
Mean −1.185e+09
Std Dev 1.185e+09
×10¹⁵
200
100
0
−100
−200
−300
−400
−500

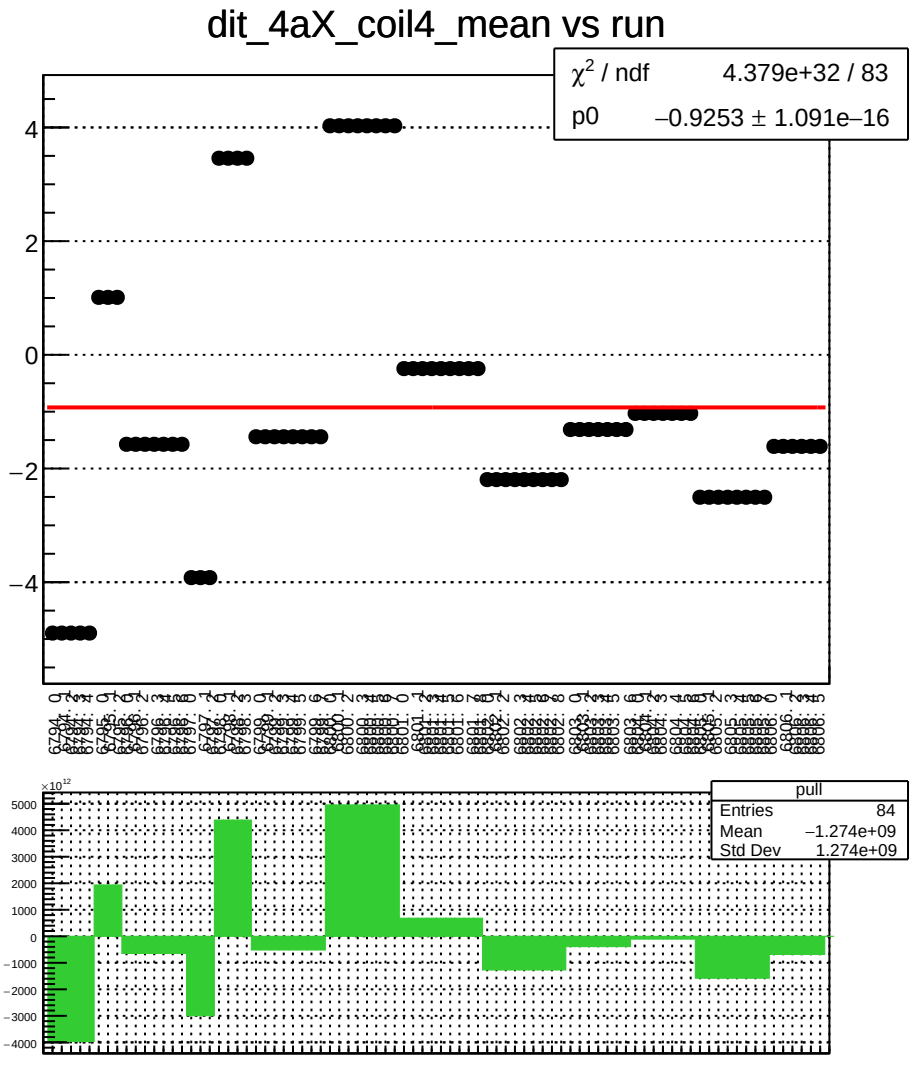

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

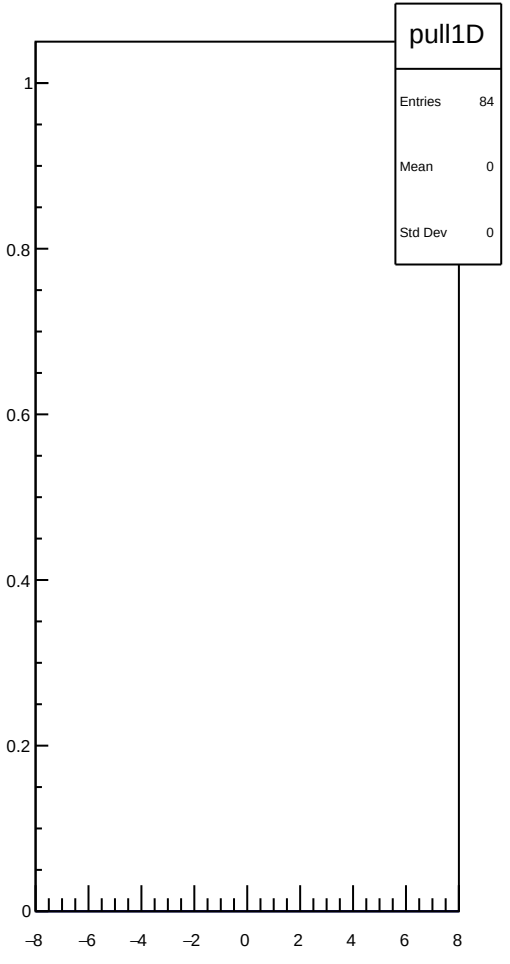

dit_sam8_coil7_err_mean vs run
χ² / ndf 2.43e+35 / 83
p0 190.4 ± 1.091e−16
pull
Entries 84
Mean 4.63e+09
Std Dev 4.63e+09

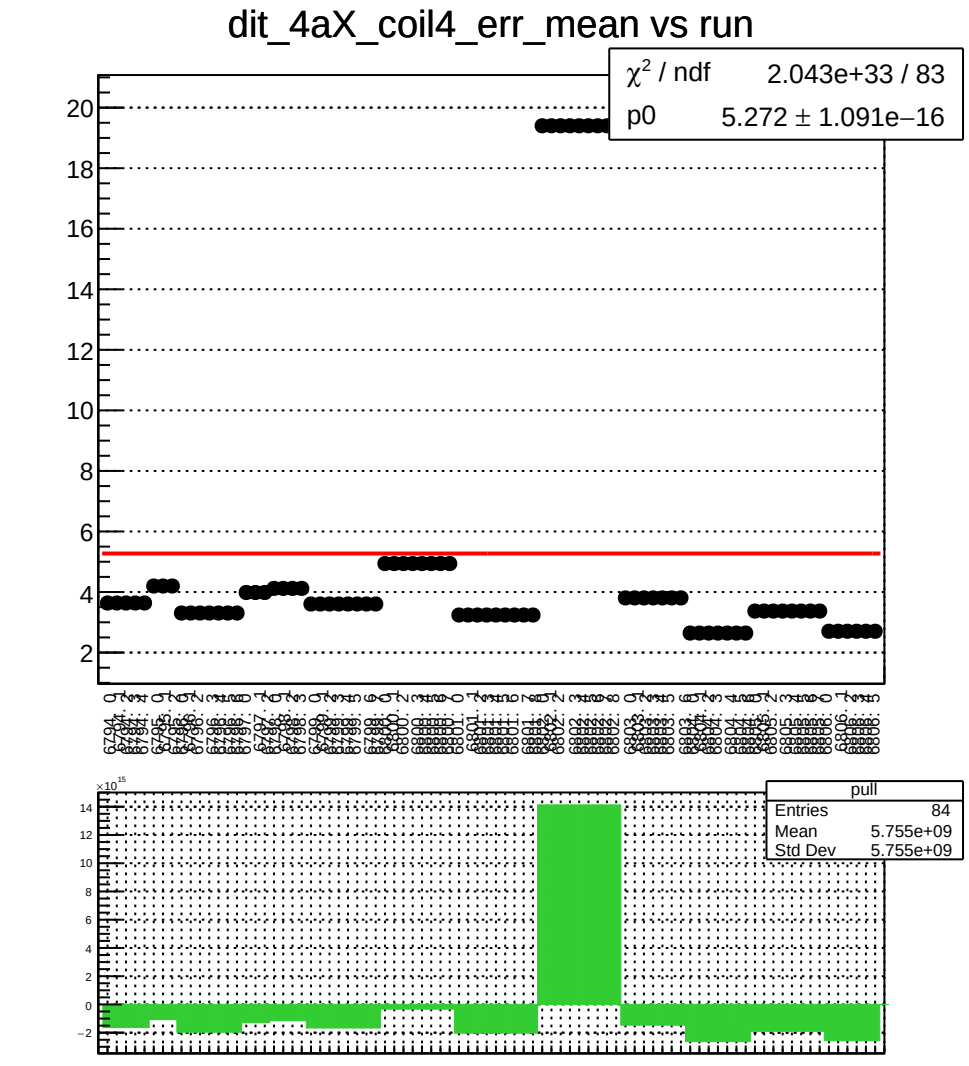

pull1D
Entries 84
Mean 0
Std Dev 0

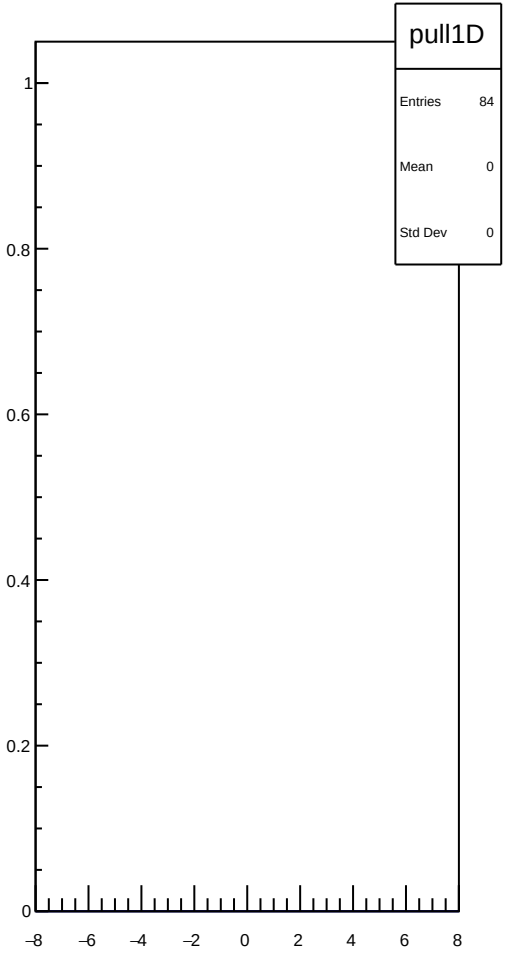

dit_sam8_coil7_Ndata_mean vs run
χ² / ndf 2.098e+37 / 83
p0 1086 ± 1.091e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean 0
Std Dev 0
×10¹⁵
800
600
400
200
0
−200
−400
−600

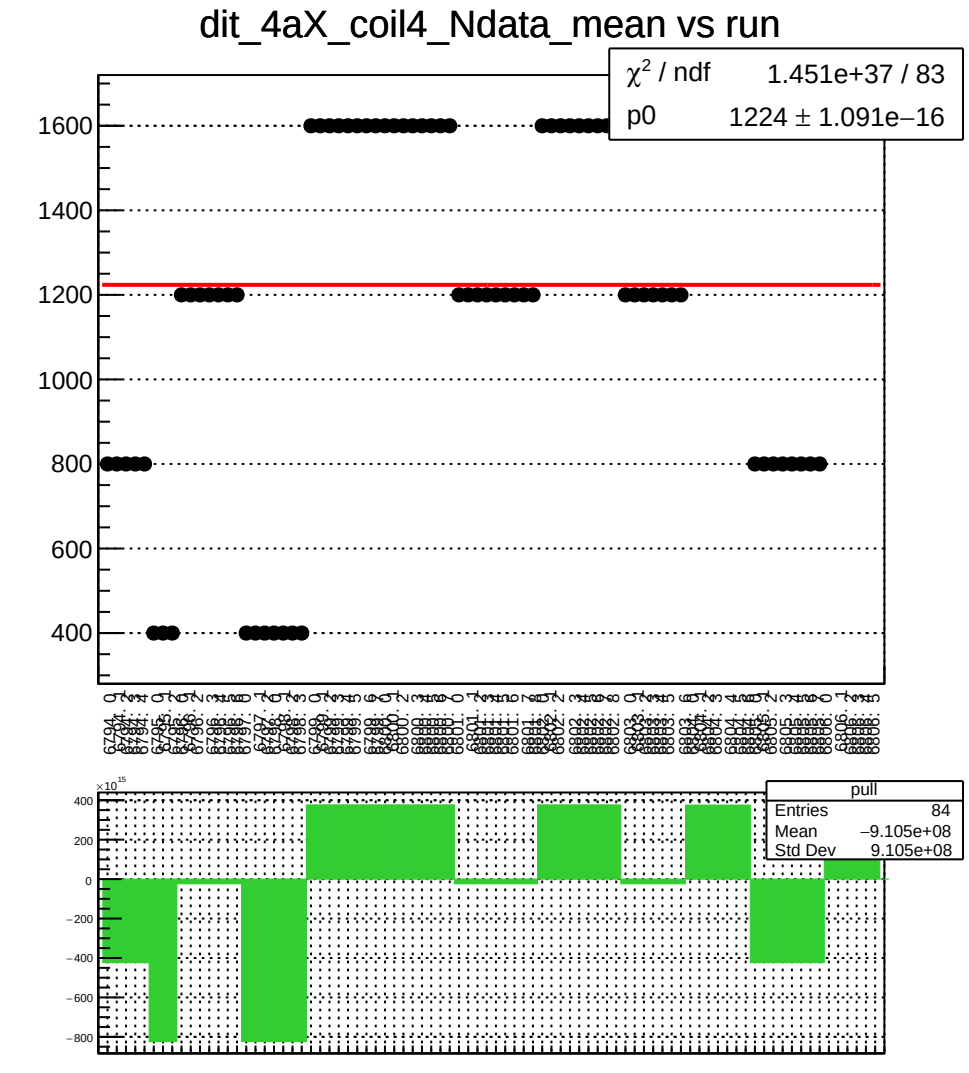

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

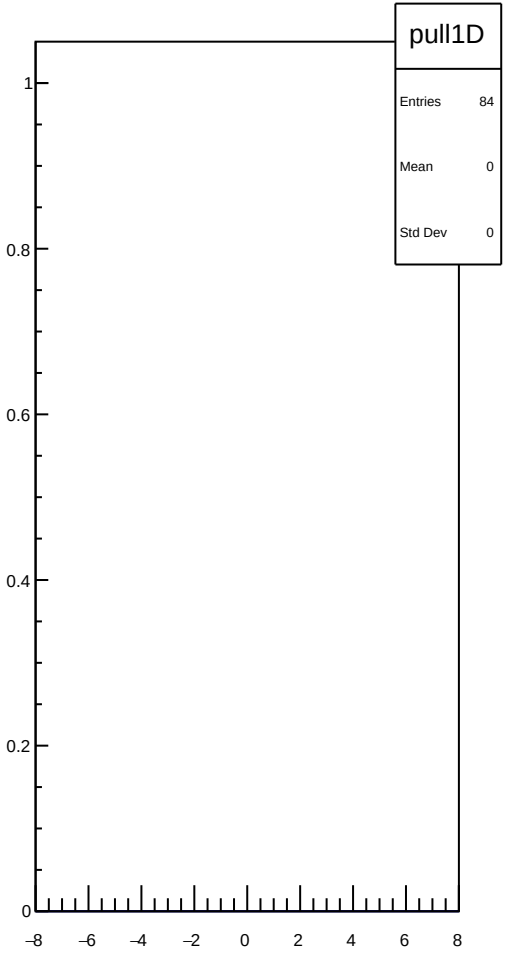

dit_4aX_coil4_mean vs run
χ² / ndf 4.379e+32 / 83
p0 −0.9253 ± 1.091e−16
pull
Entries 84
Mean −1.274e+09
Std Dev 1.274e+09

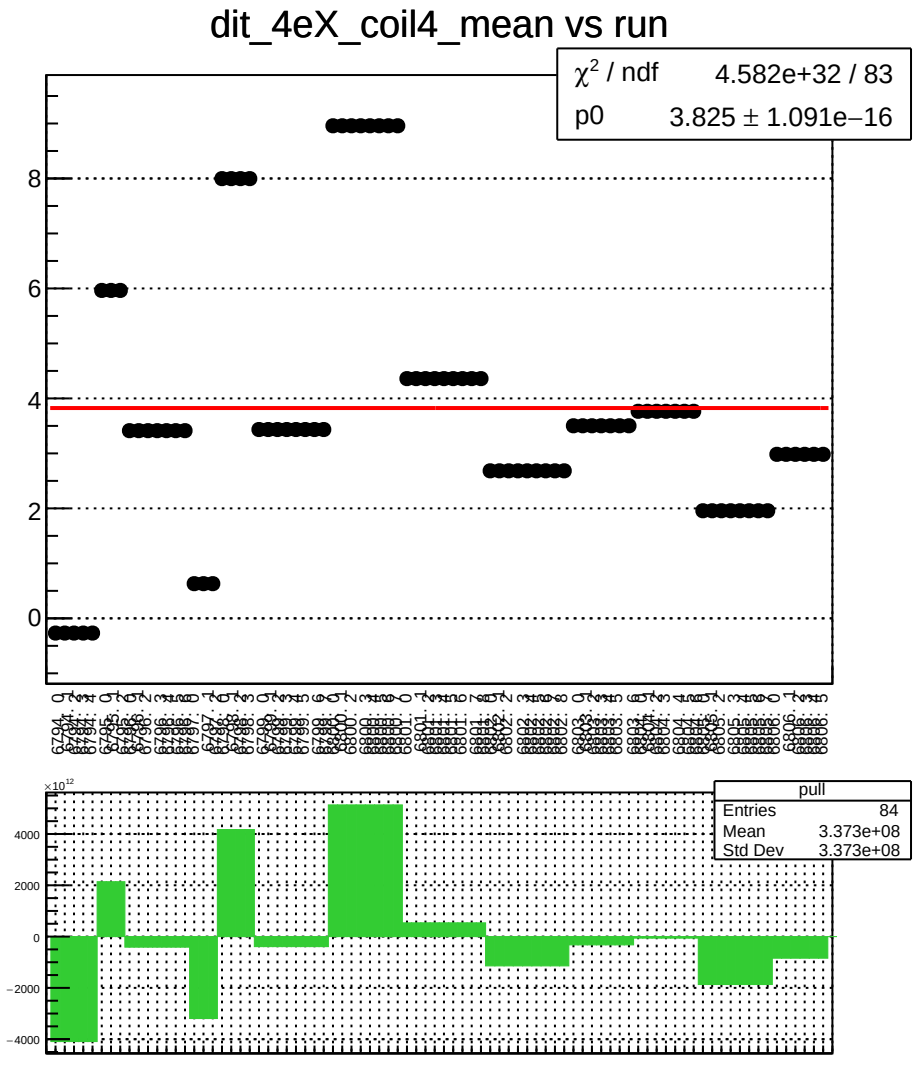

pull1D
Entries 84
Mean 0
Std Dev 0

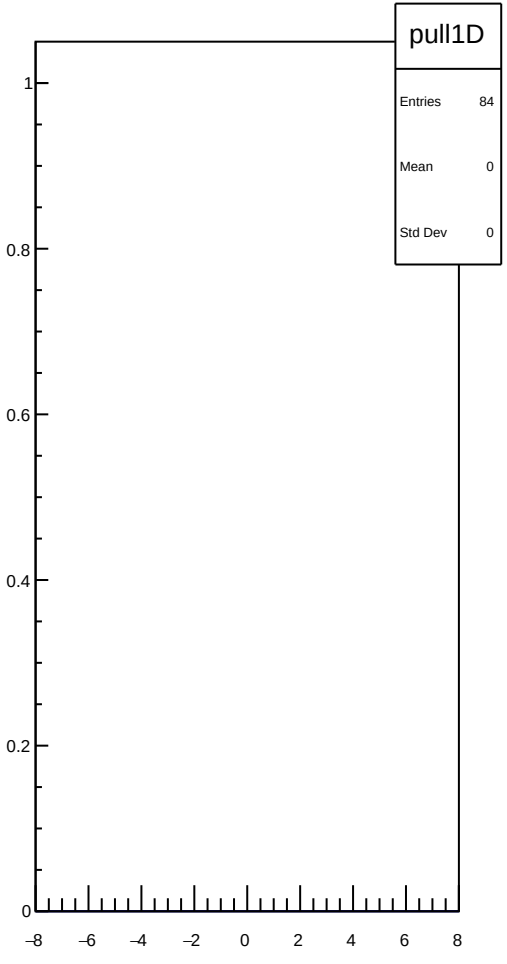

dit_4aX_coil4_err_mean vs run
χ² / ndf 2.043e+33 / 83
p0 5.272 ± 1.091e−16
pull
Entries 84
Mean 5.755e+09
Std Dev 5.755e+09

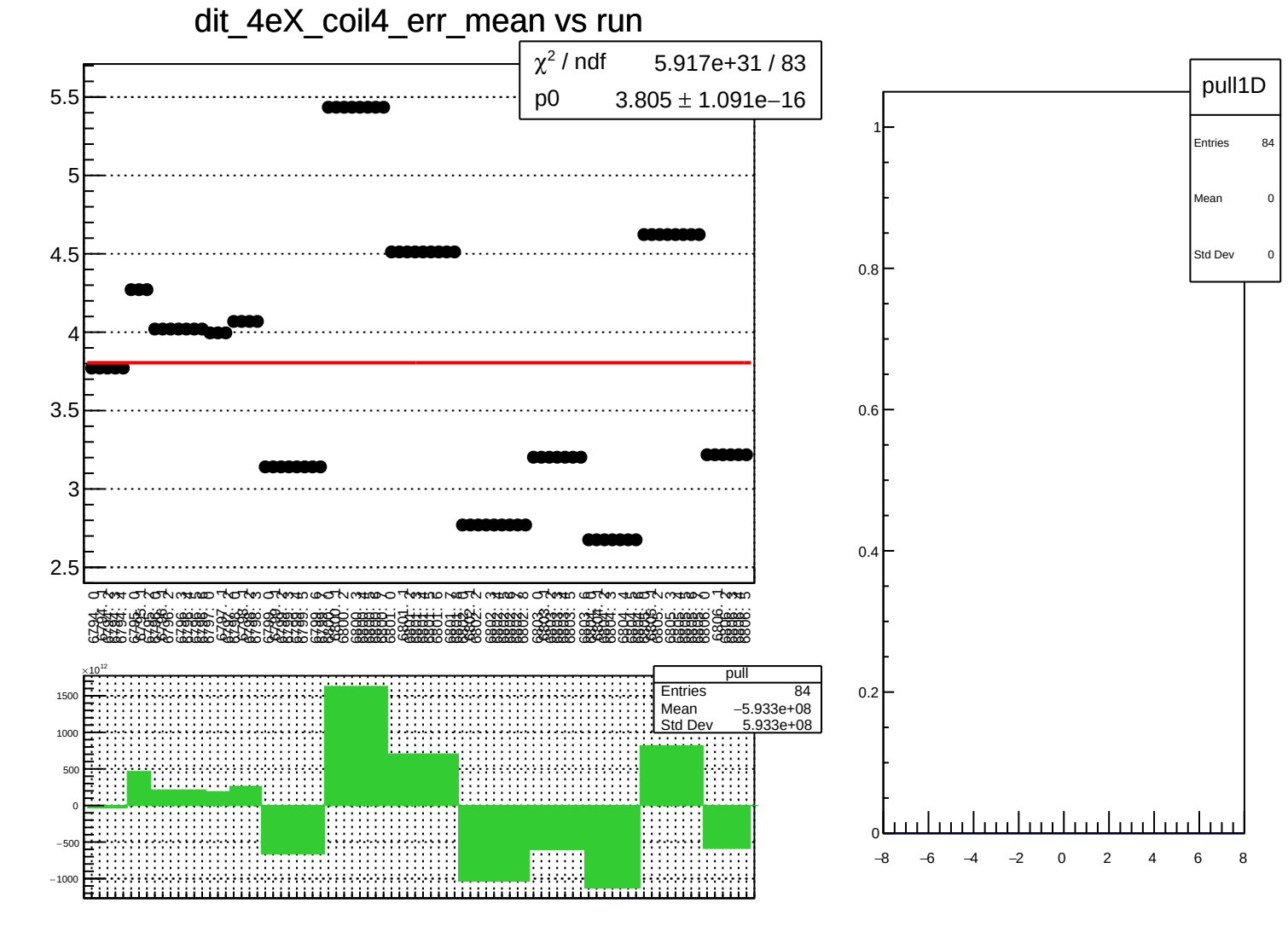

pull1D
Entries 84
Mean 0
Std Dev 0

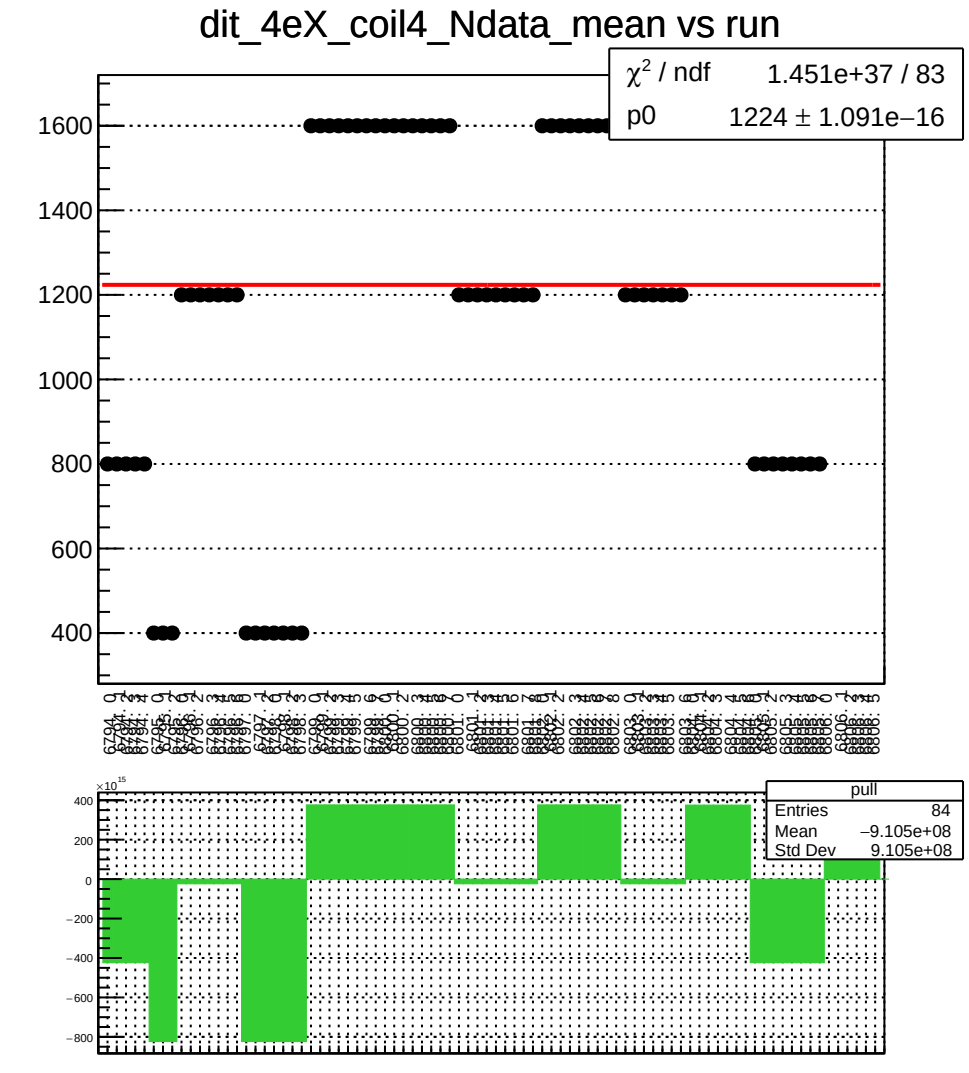

dit_4aX_coil4_Ndata_mean vs run
χ² / ndf 1.451e+37 / 83
p0 1224 ± 1.091e−16
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean −9.105e+08
Std Dev 9.105e+08
×10¹⁵
400
200
0
−200
−400
−600
−800

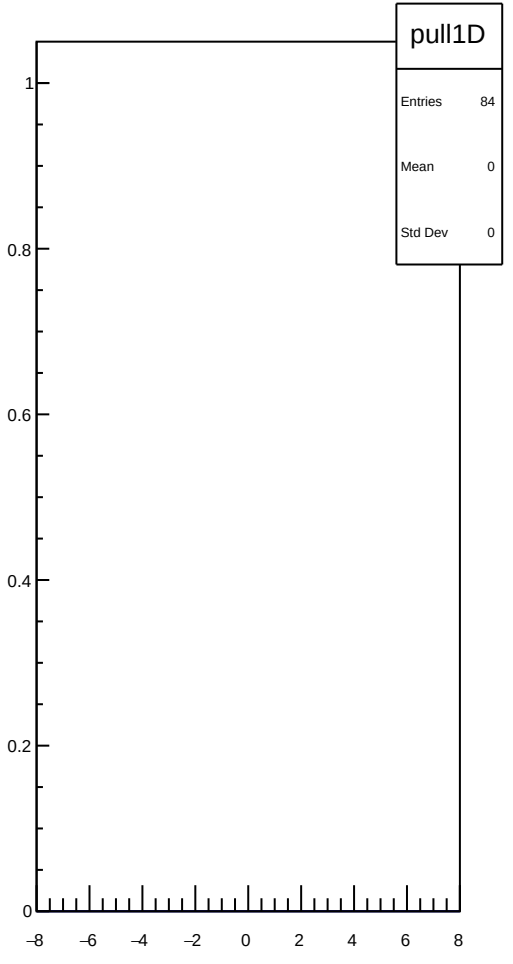

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

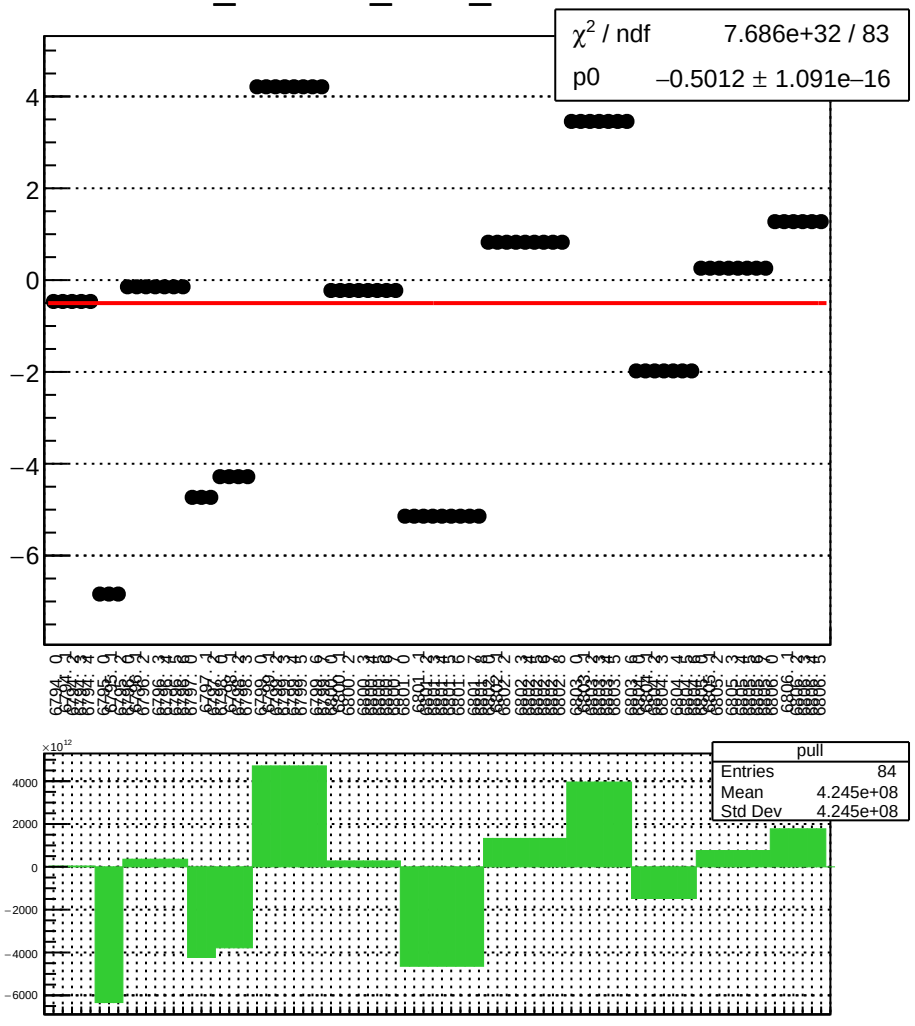

dit_4eX_coil4_mean vs run
χ² / ndf 4.582e+32 / 83
p0 3.825 ± 1.091e−16
pull
Entries 84
Mean 3.373e+08
Std Dev 3.373e+08

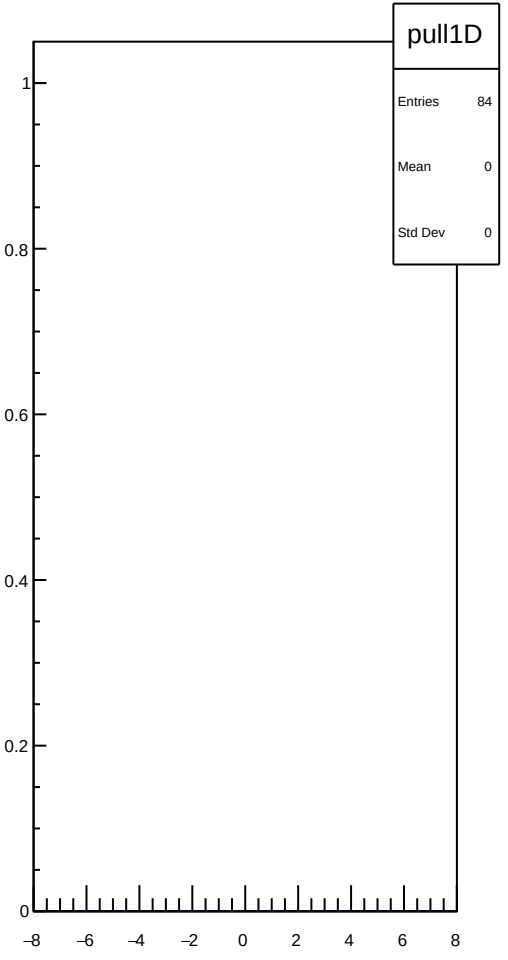

pull1D
Entries 84
Mean 0
Std Dev 0

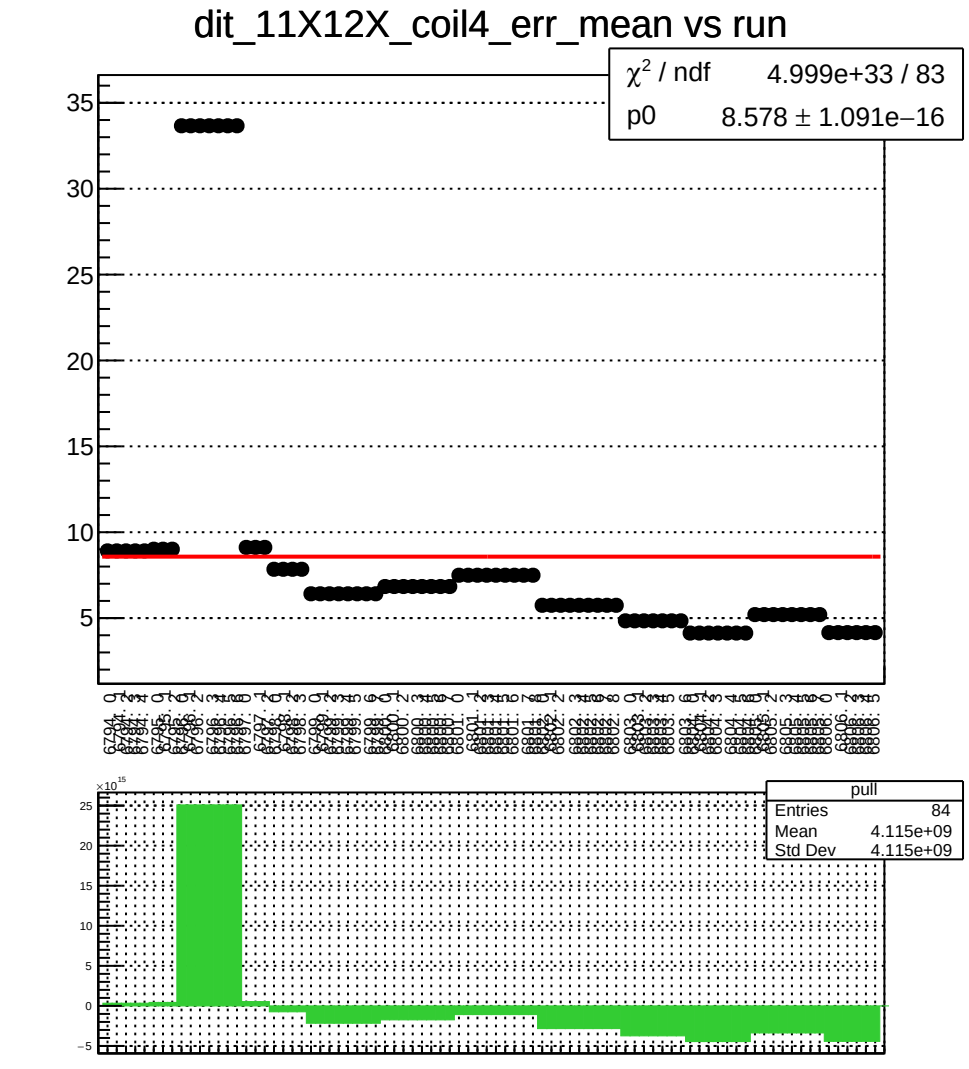

dit_4eX_coil4_err_mean vs run
χ² / ndf 5.917e+31 / 83
p0 3.805 ± 1.091e−16
pull
Entries 84
Mean −5.933e+08
Std Dev 5.933e+08
pull1D
Entries 84
Mean 0
Std Dev 0

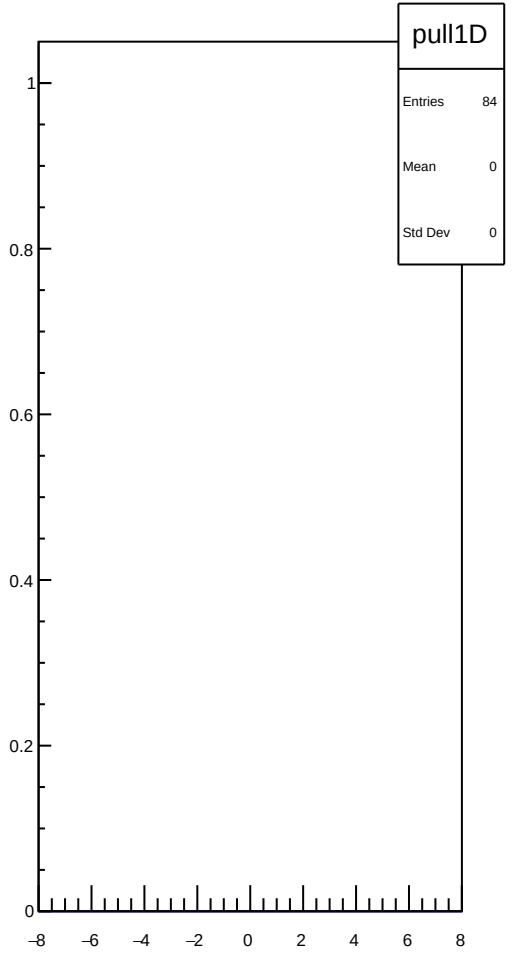

dit_4eX_coil4_Ndata_mean vs run
χ² / ndf 1.451e+37 / 83
p0 1224 ± 1.091e−16
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean −9.105e+08
Std Dev 9.105e+08
×10¹⁵
400
200
0
−200
−400
−600
−800

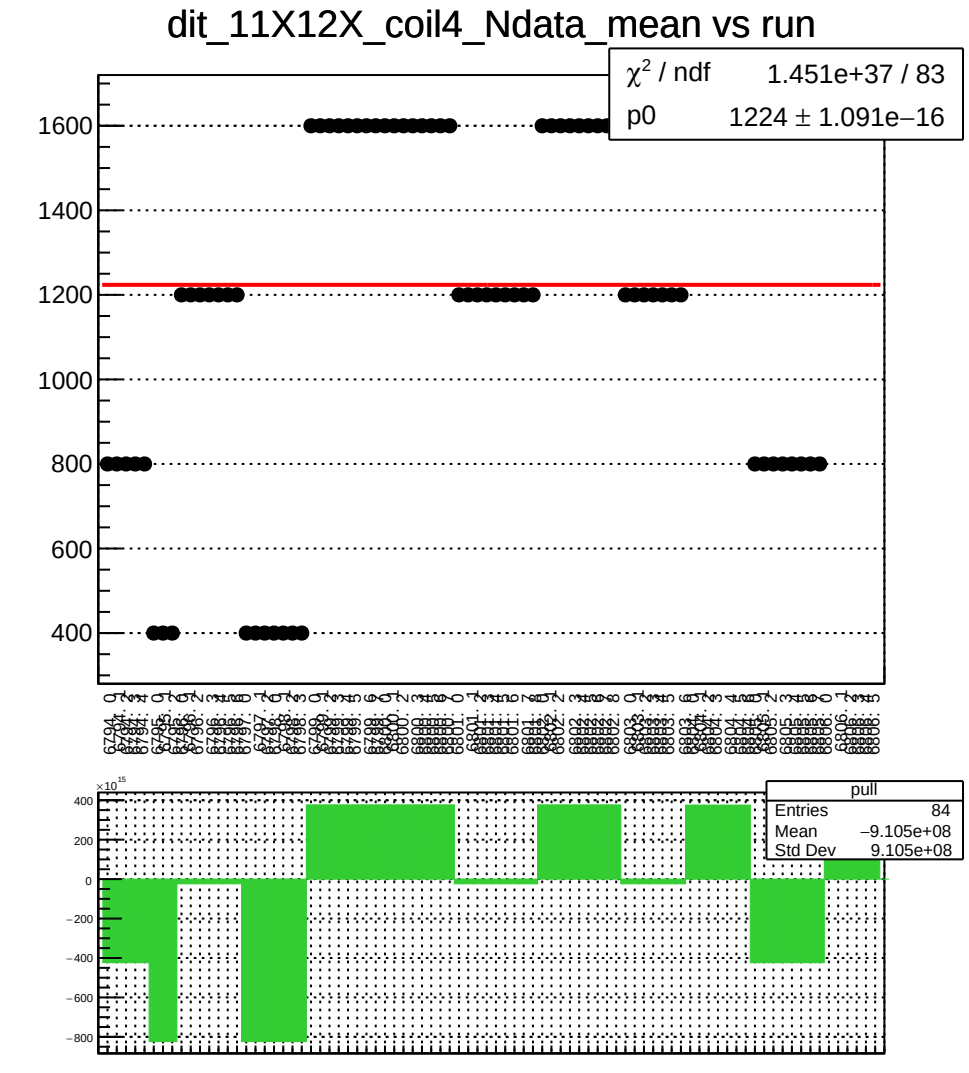

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

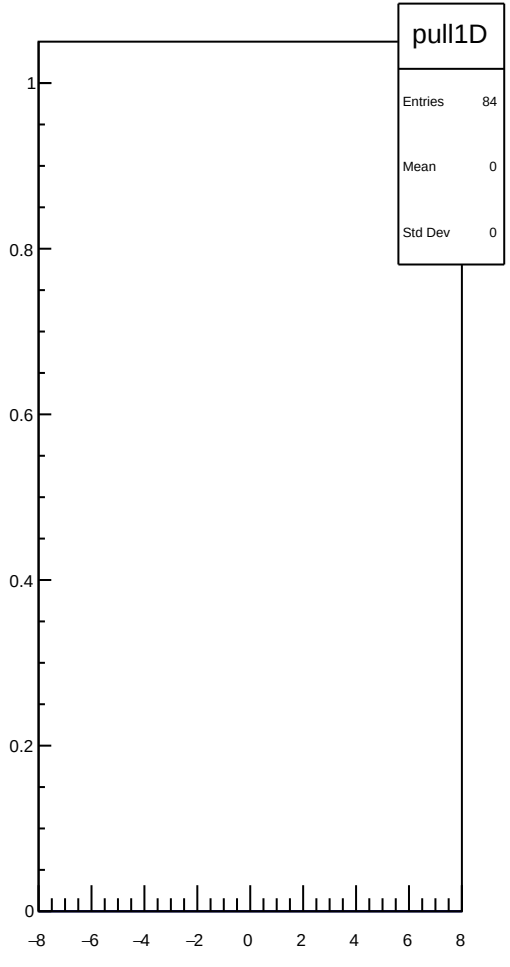

dit_11X12X_coil4_mean vs run
χ² / ndf 7.686e+32 / 83
p0 −0.5012 ± 1.091e−16
pull
Entries 84
Mean 4.245e+08
Std Dev 4.245e+08
×10¹²

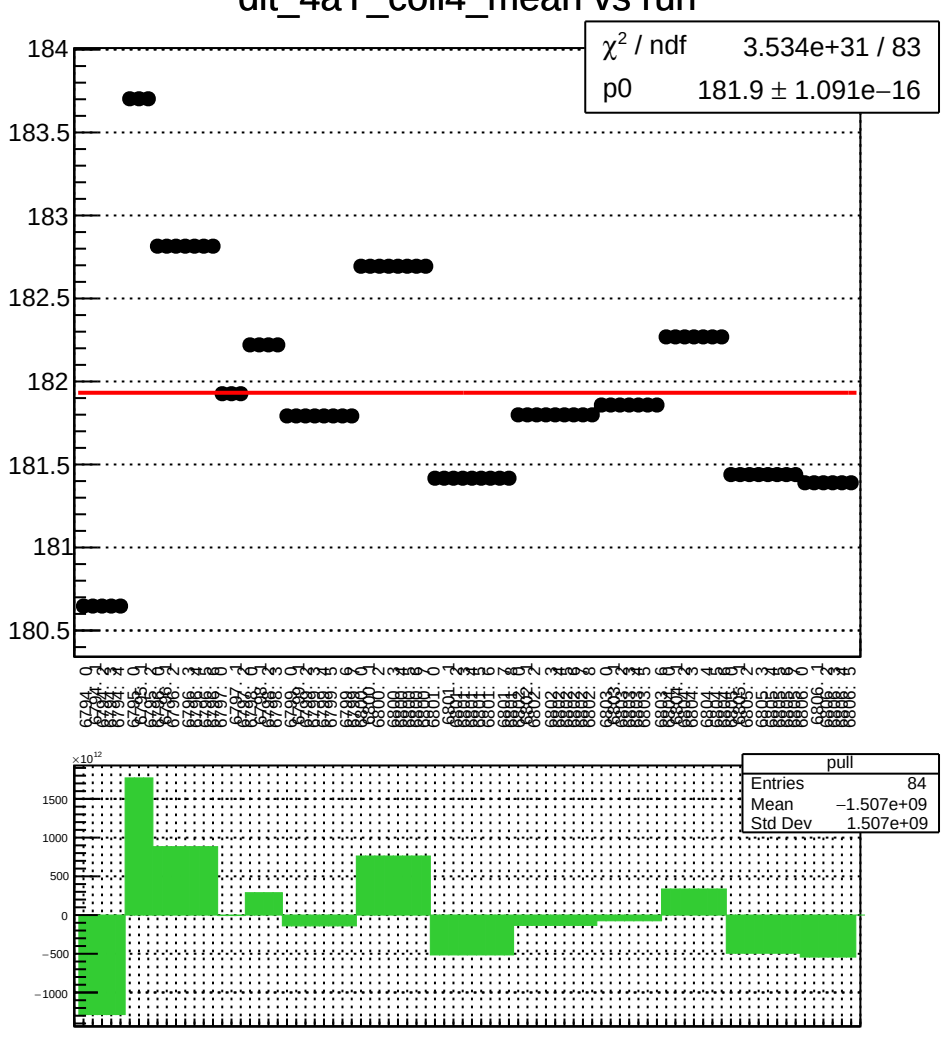

pull1D
Entries 84
Mean 0
Std Dev 0

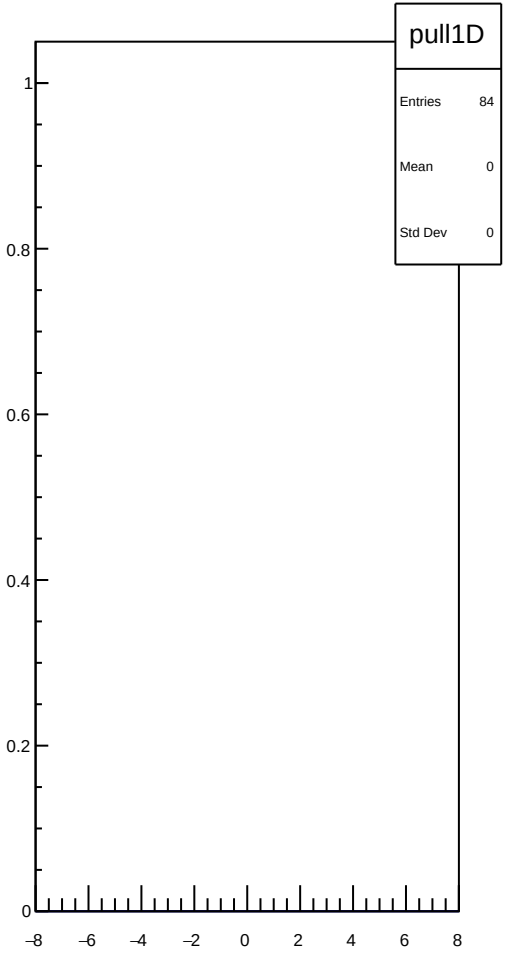

dit_11X12X_coil4_err_mean vs run
χ² / ndf 4.999e+33 / 83
p0 8.578 ± 1.091e−16
pull
Entries 84
Mean 4.115e+09
Std Dev 4.115e+09

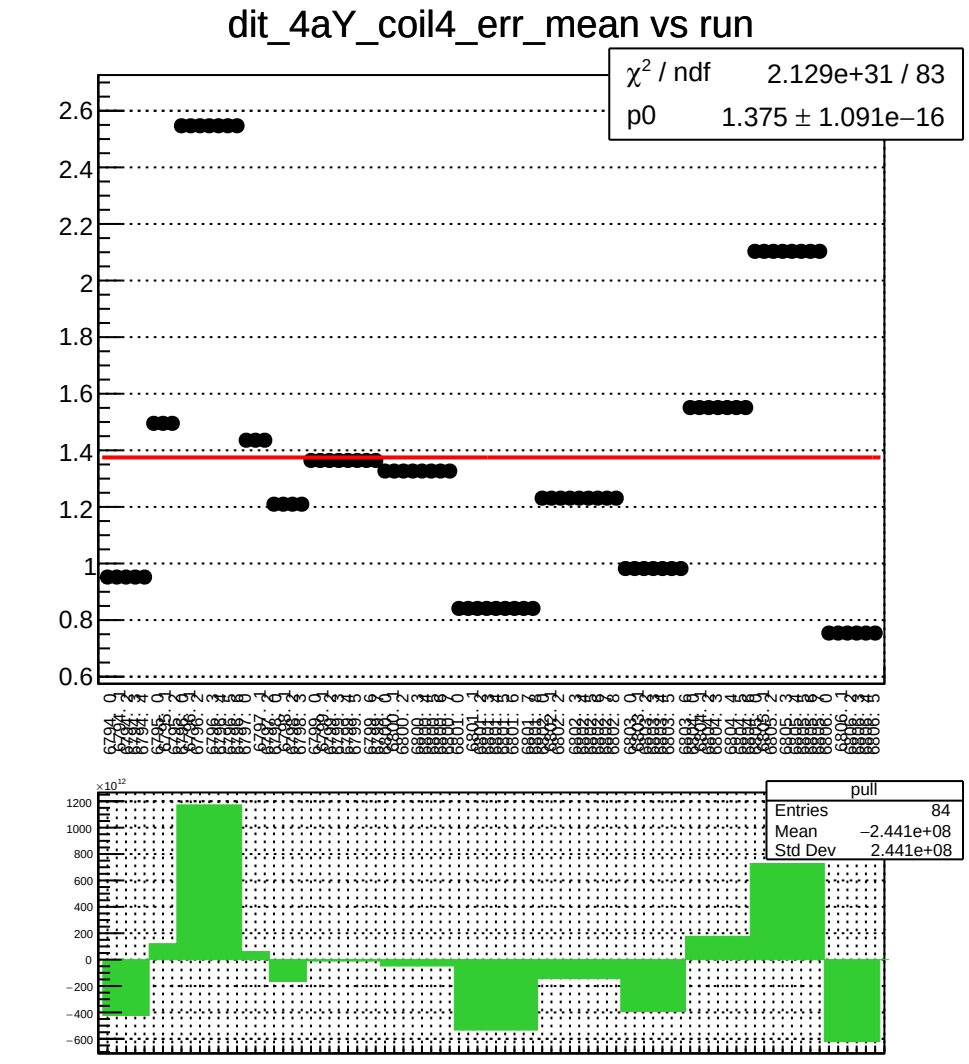

pull1D
Entries 84
Mean 0
Std Dev 0

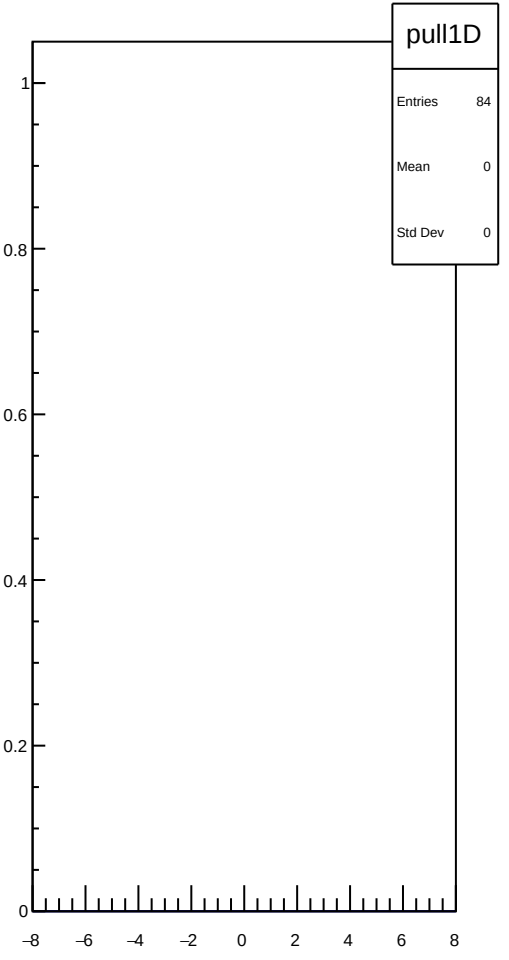

dit_11X12X_coil4_Ndata_mean vs run
χ² / ndf 1.451e+37 / 83
p0 1224 ± 1.091e−16
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean −9.105e+08
Std Dev 9.105e+08
×10¹⁵
400
200
0
−200
−400
−600
−800

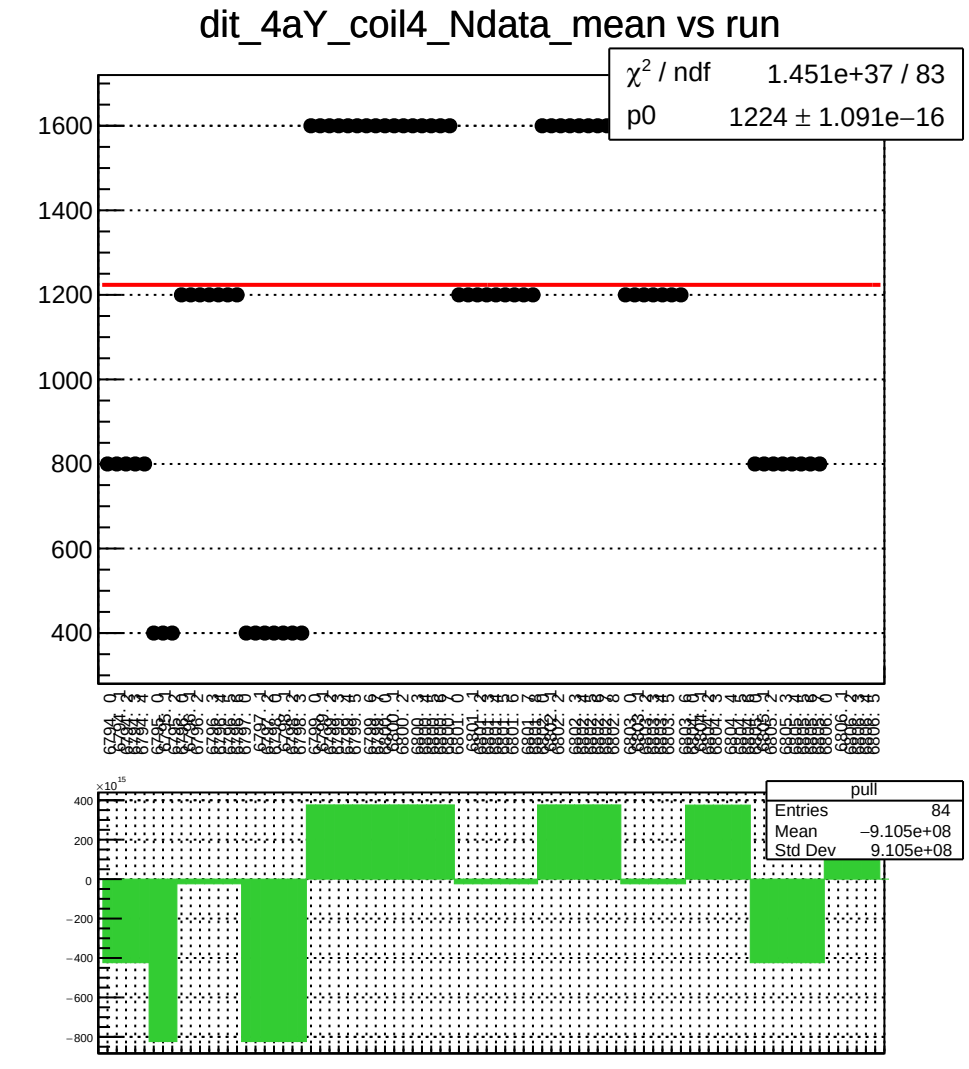

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

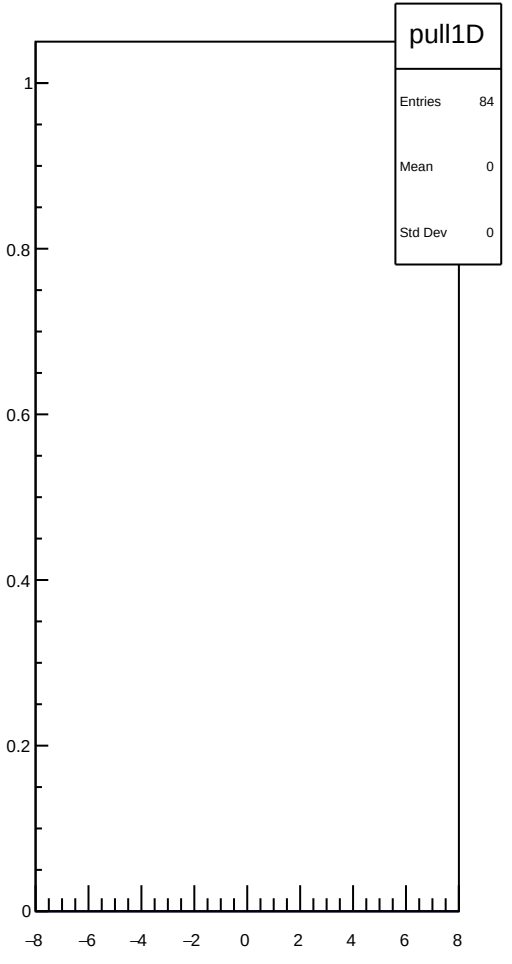

dit_4aY_coil4_mean vs run
χ² / ndf 3.534e+31 / 83
p0 181.9 ± 1.091e−16
184
183.5
183
182.5
182
181.5
181
180.5
pull
Entries 84
Mean −1.507e+09
Std Dev 1.507e+09
×10¹²
1500
1000
500
0
−500
−1000

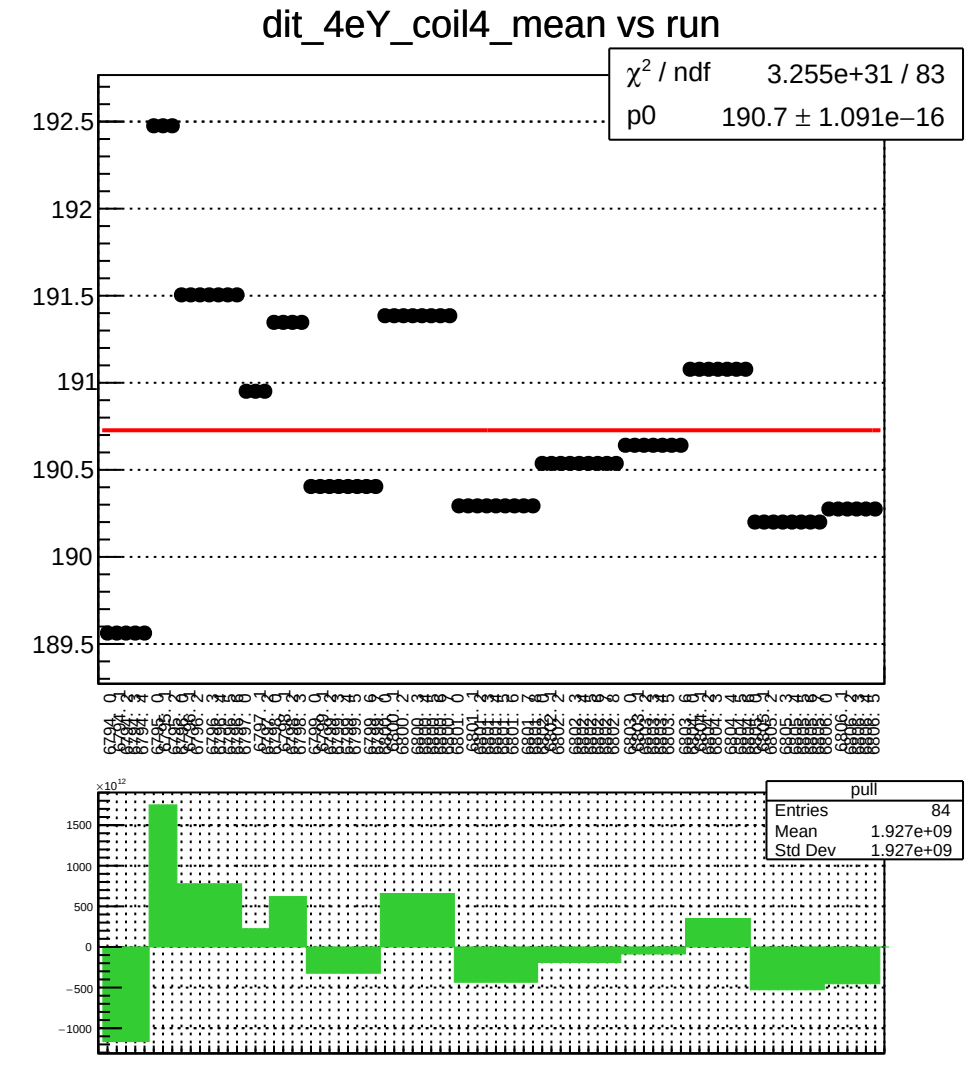

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

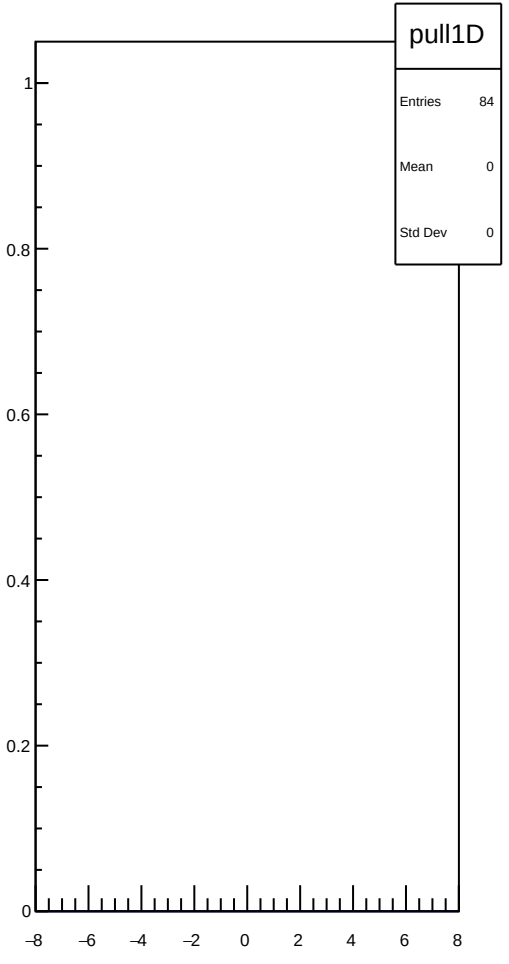

dit_4aY_coil4_err_mean vs run
χ² / ndf 2.129e+31 / 83
p0 1.375 ± 1.091e−16
pull
Entries 84
Mean −2.441e+08
Std Dev 2.441e+08
×10¹²

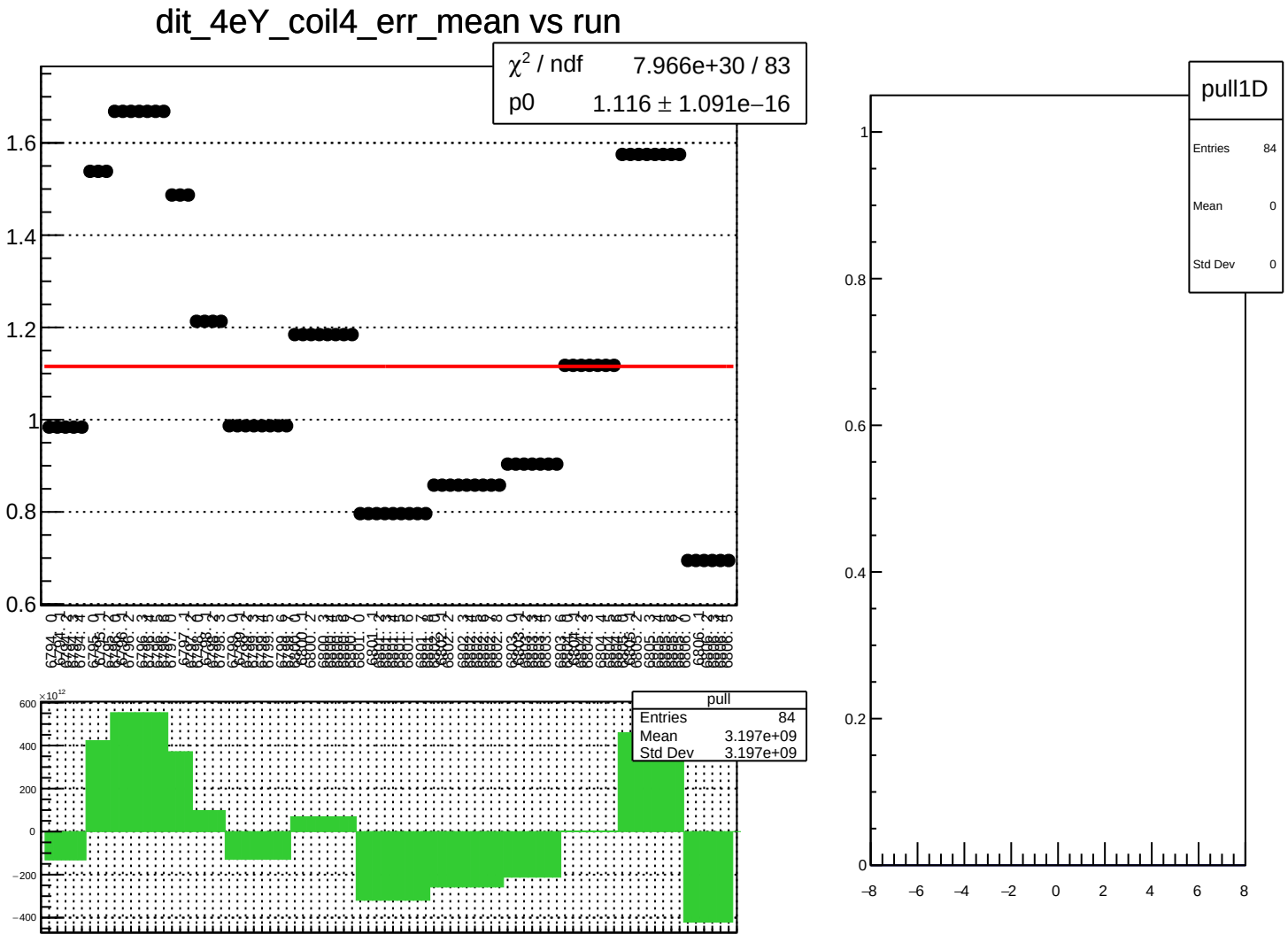

pull1D
Entries 84
Mean 0
Std Dev 0

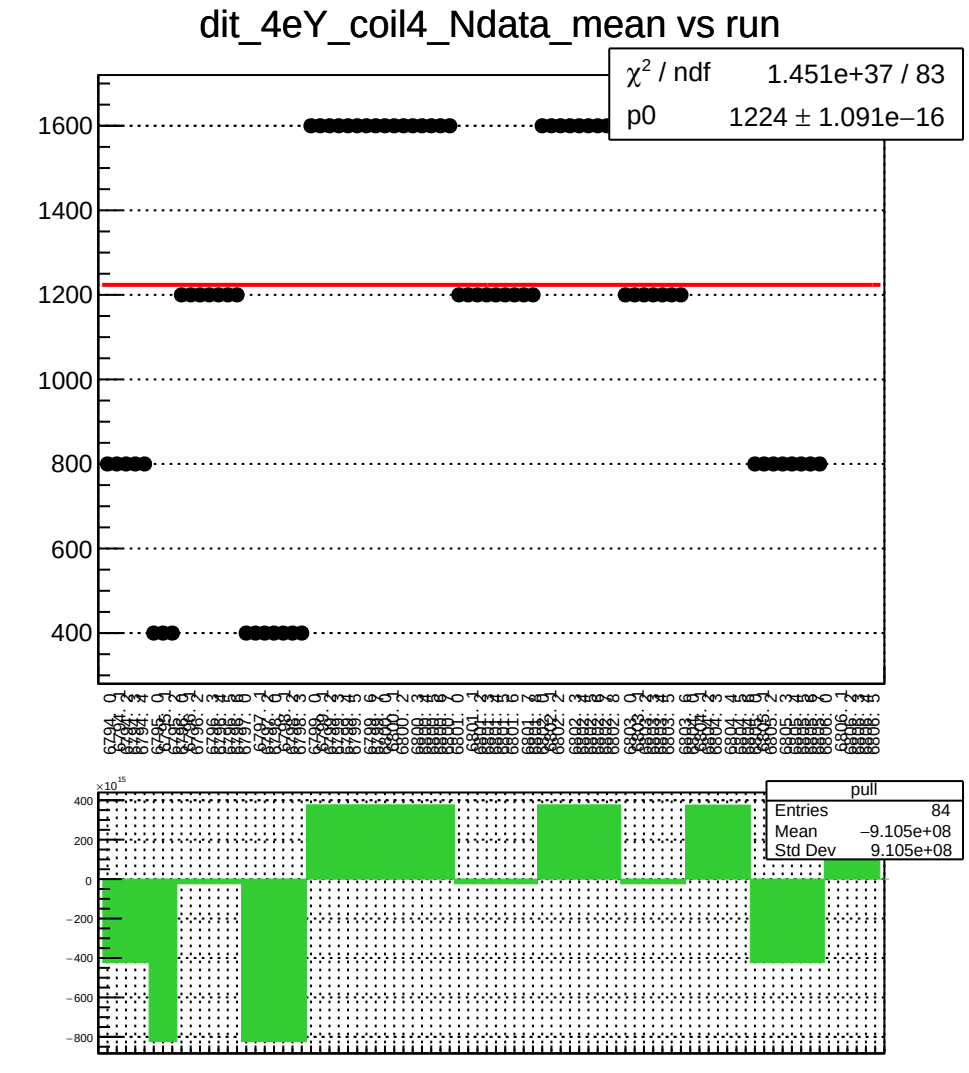

dit_4aY_coil4_Ndata_mean vs run
χ² / ndf 1.451e+37 / 83
p0 1224 ± 1.091e−16
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean −9.105e+08
Std Dev 9.105e+08
×10¹⁵
400
200
0
−200
−400
−600
−800

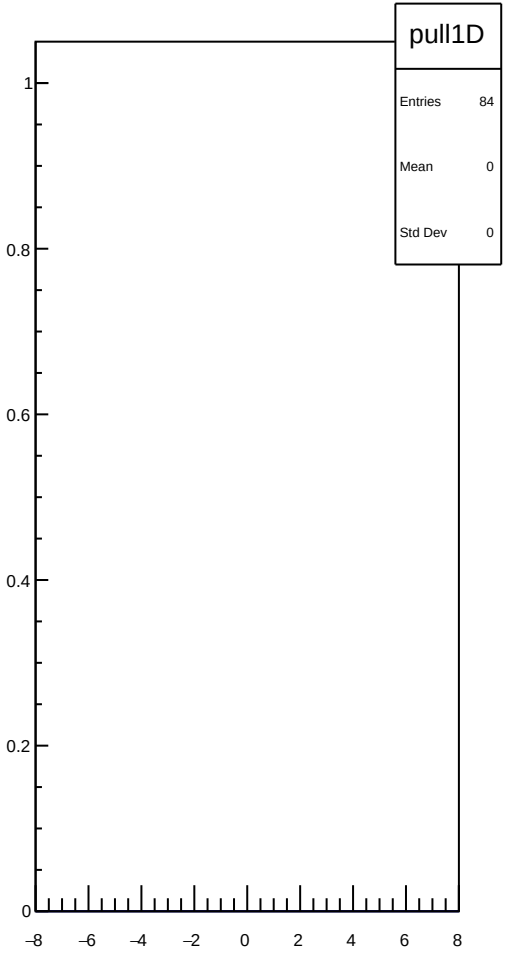

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

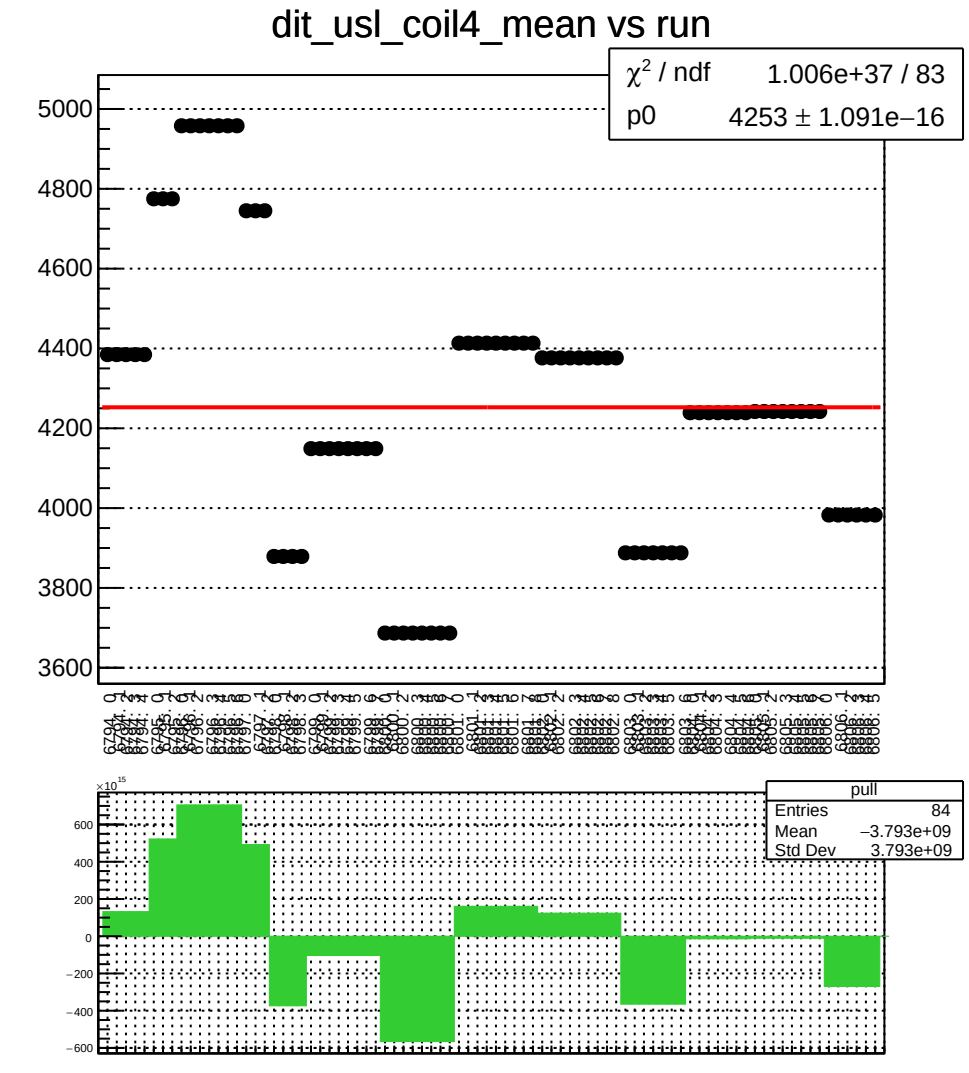

dit_4eY_coil4_mean vs run
χ² / ndf 3.255e+31 / 83
p0 190.7 ± 1.091e−16
192.5
192
191.5
191
190.5
190
189.5
pull
Entries 84
Mean 1.927e+09
Std Dev 1.927e+09
×10¹²
1500
1000
500
0
−500
−1000

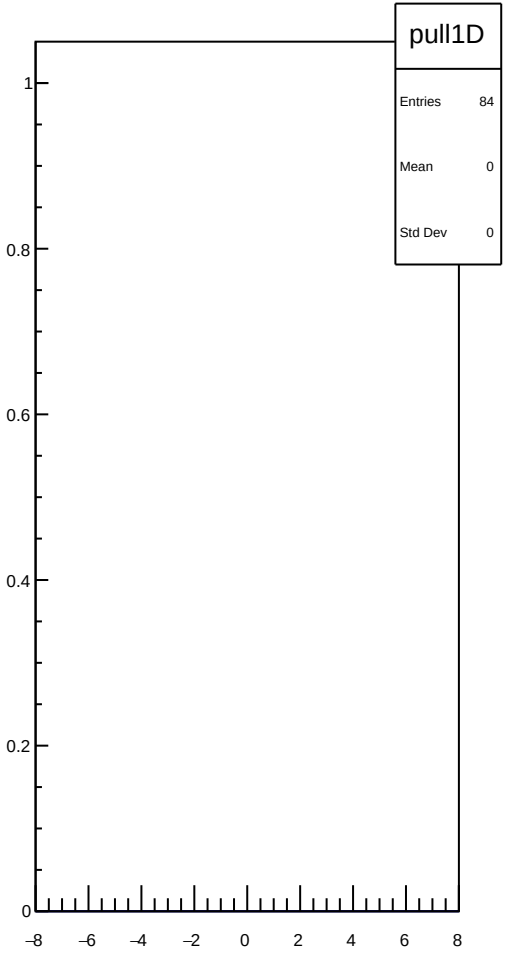

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

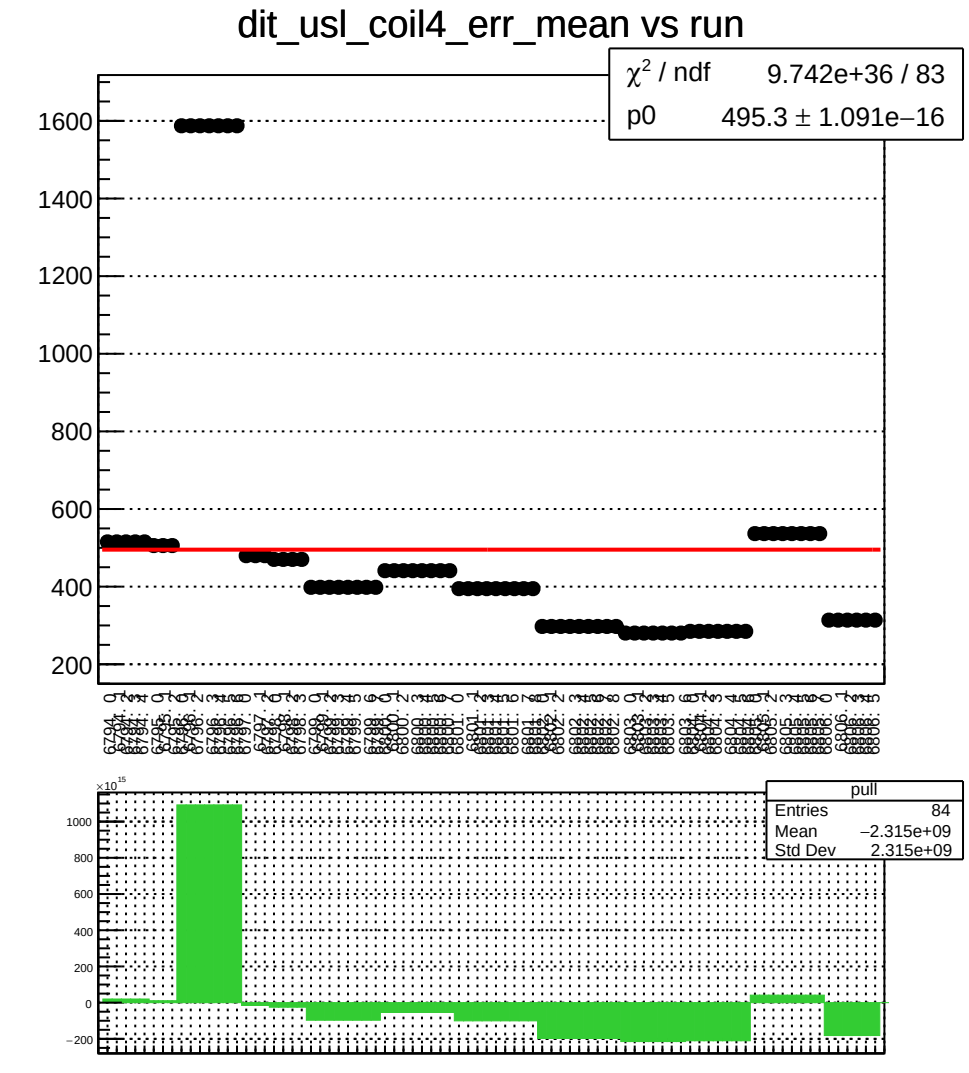

dit_4eY_coil4_err_mean vs run
χ² / ndf 7.966e+30 / 83
p0 1.116 ± 1.091e−16
1.6
1.4
1.2
1
0.8
0.6
×10¹²
600
400
200
0
−200
−400
pull
Entries 84
Mean 3.197e+09
Std Dev 3.197e+09
pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

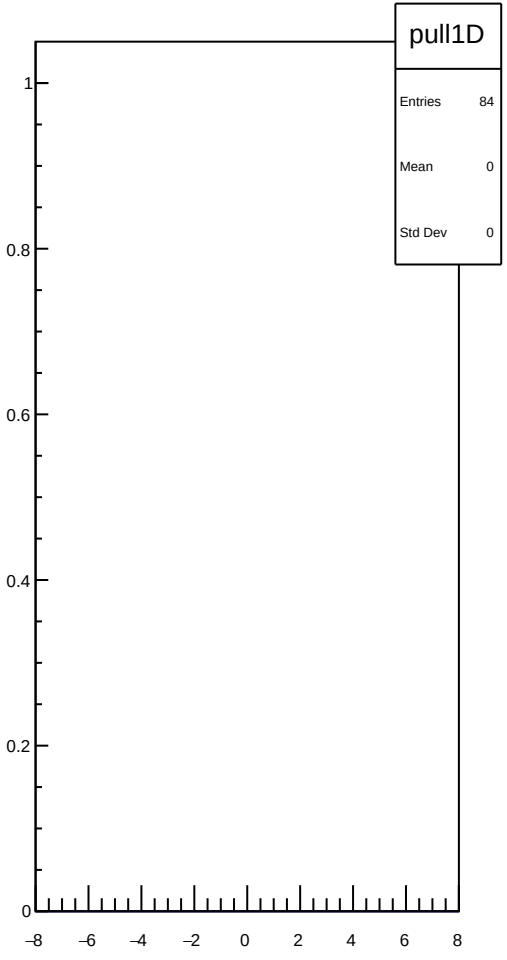

dit_4eY_coil4_Ndata_mean vs run
χ² / ndf 1.451e+37 / 83
p0 1224 ± 1.091e−16
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean −9.105e+08
Std Dev 9.105e+08
×10¹⁵
400
200
0
−200
−400
−600
−800

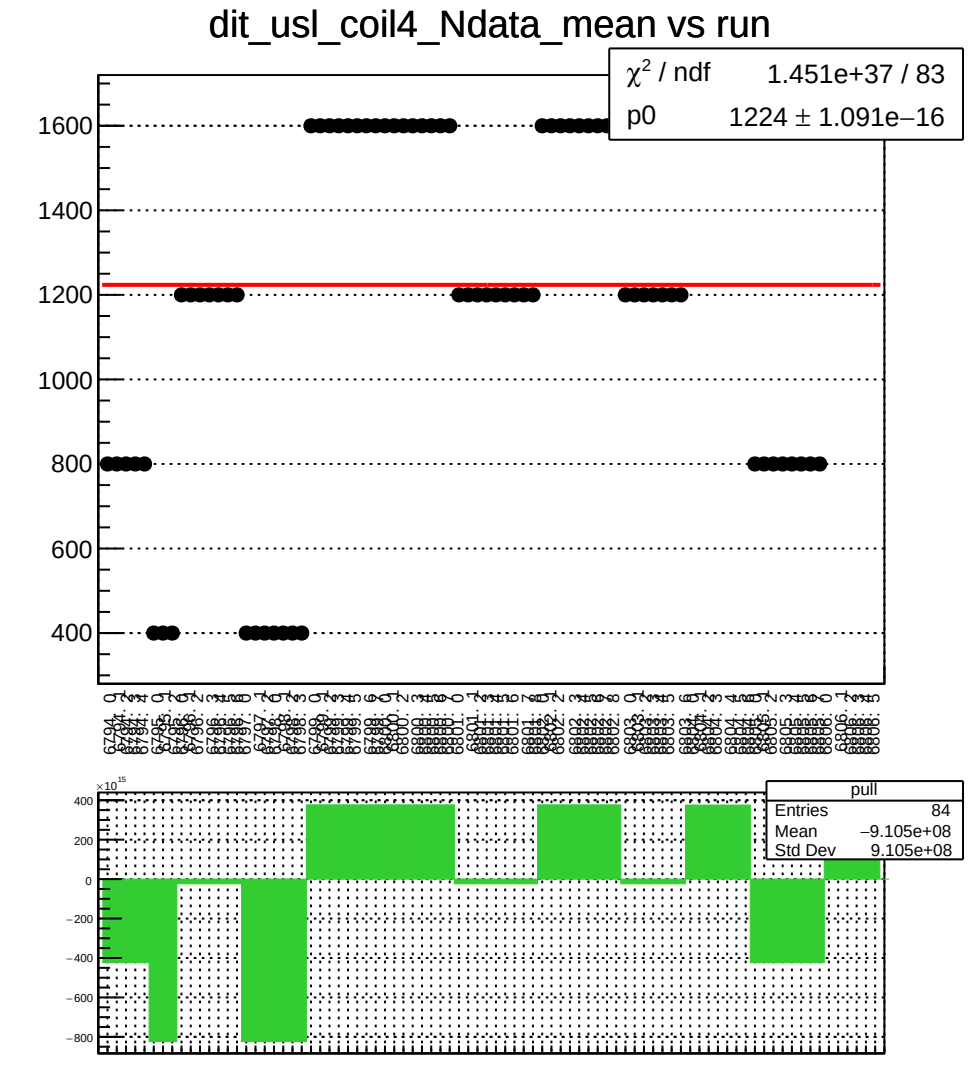

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

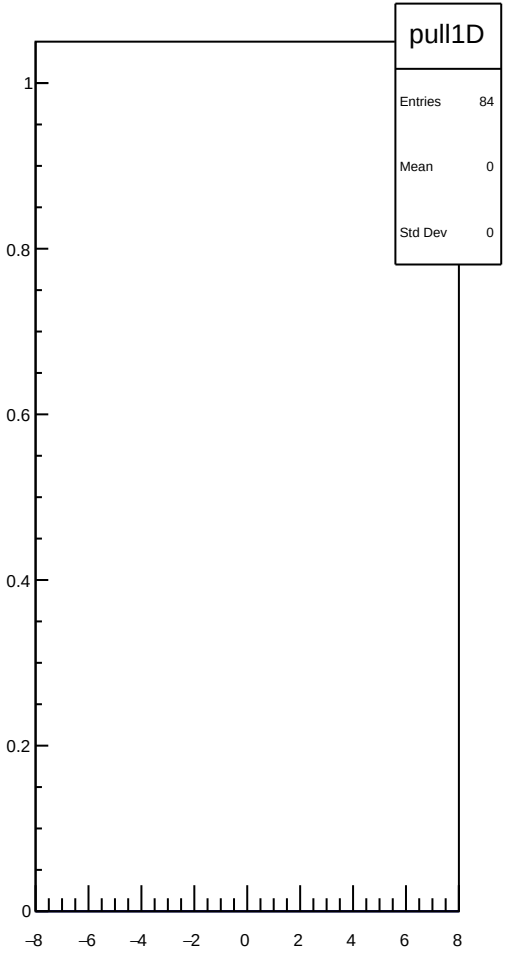

dit_usl_coil4_mean vs run
χ² / ndf 1.006e+37 / 83
p0 4253 ± 1.091e−16
5000
4800
4600
4400
4200
4000
3800
3600
pull
Entries 84
Mean −3.793e+09
Std Dev 3.793e+09
×10¹⁵
600
400
200
0
−200
−400
−600

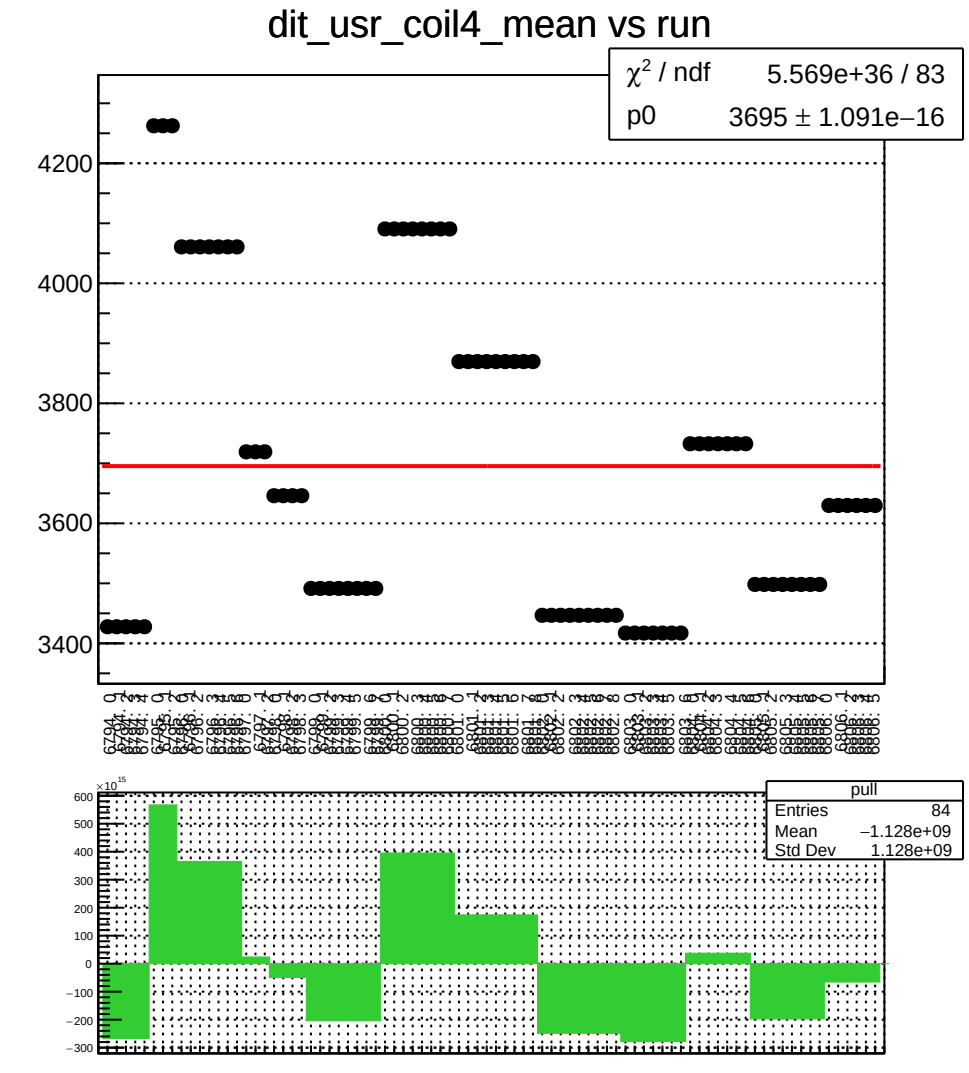

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

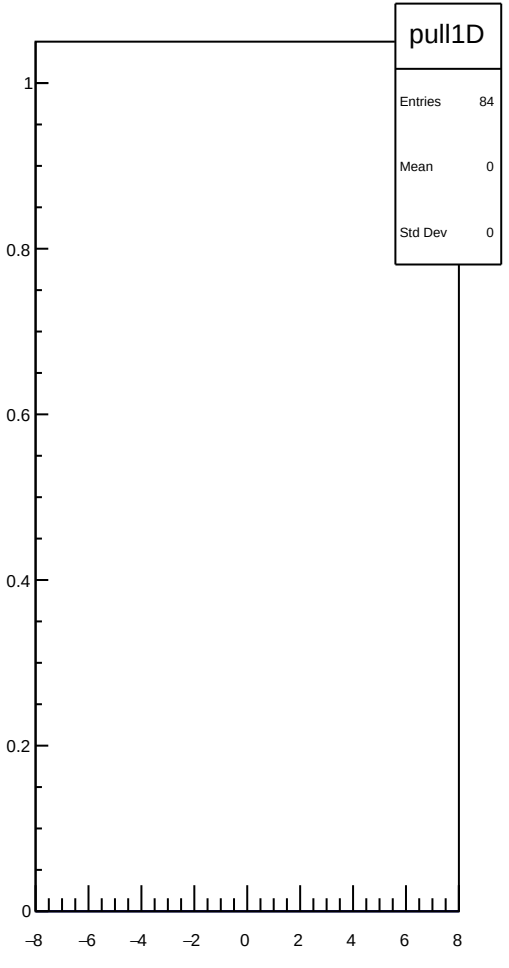

dit_usl_coil4_err_mean vs run
χ² / ndf 9.742e+36 / 83
p0 495.3 ± 1.091e−16
1600
1400
1200
1000
800
600
400
200
pull
Entries 84
Mean −2.315e+09
Std Dev 2.315e+09
×10¹⁵
1000
800
600
400
200
0
−200

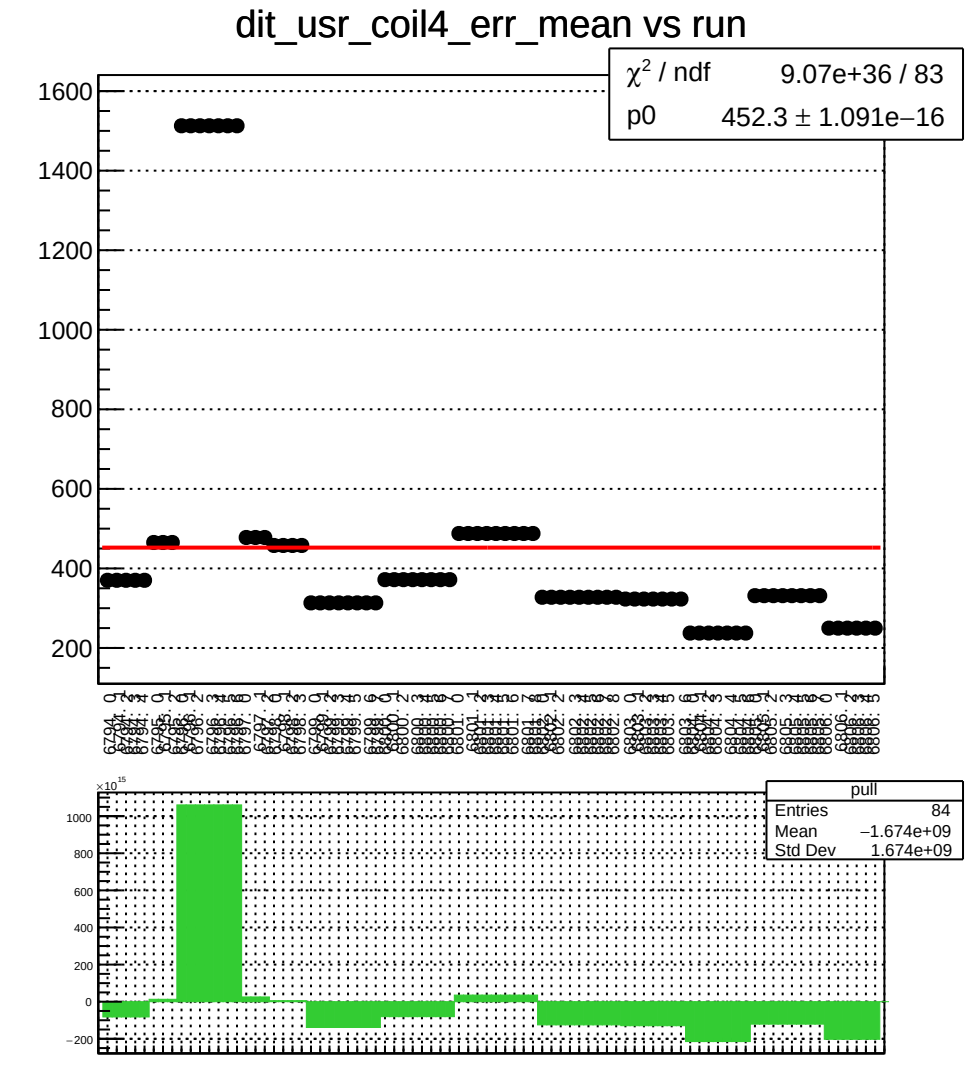

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

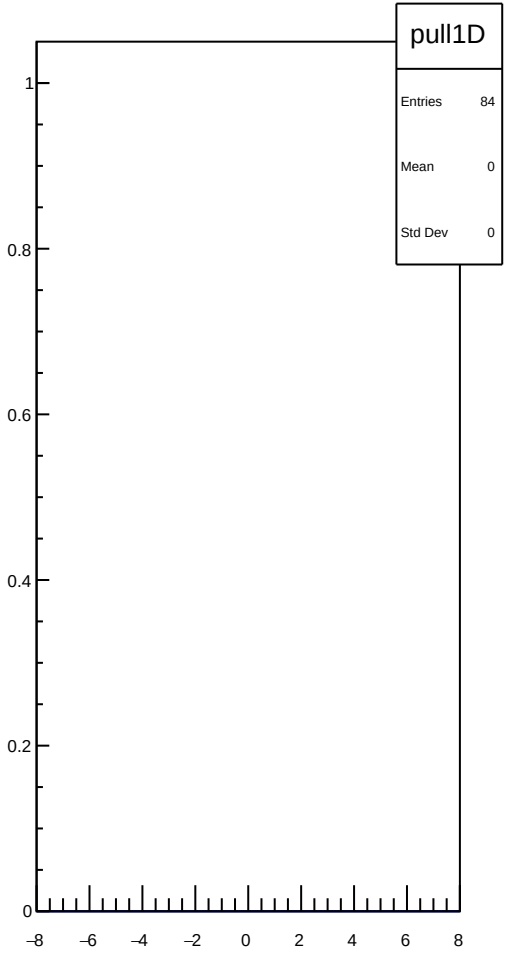

dit_usl_coil4_Ndata_mean vs run
χ² / ndf 1.451e+37 / 83
p0 1224 ± 1.091e−16
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean −9.105e+08
Std Dev 9.105e+08
×10¹⁵
400
200
0
−200
−400
−600
−800

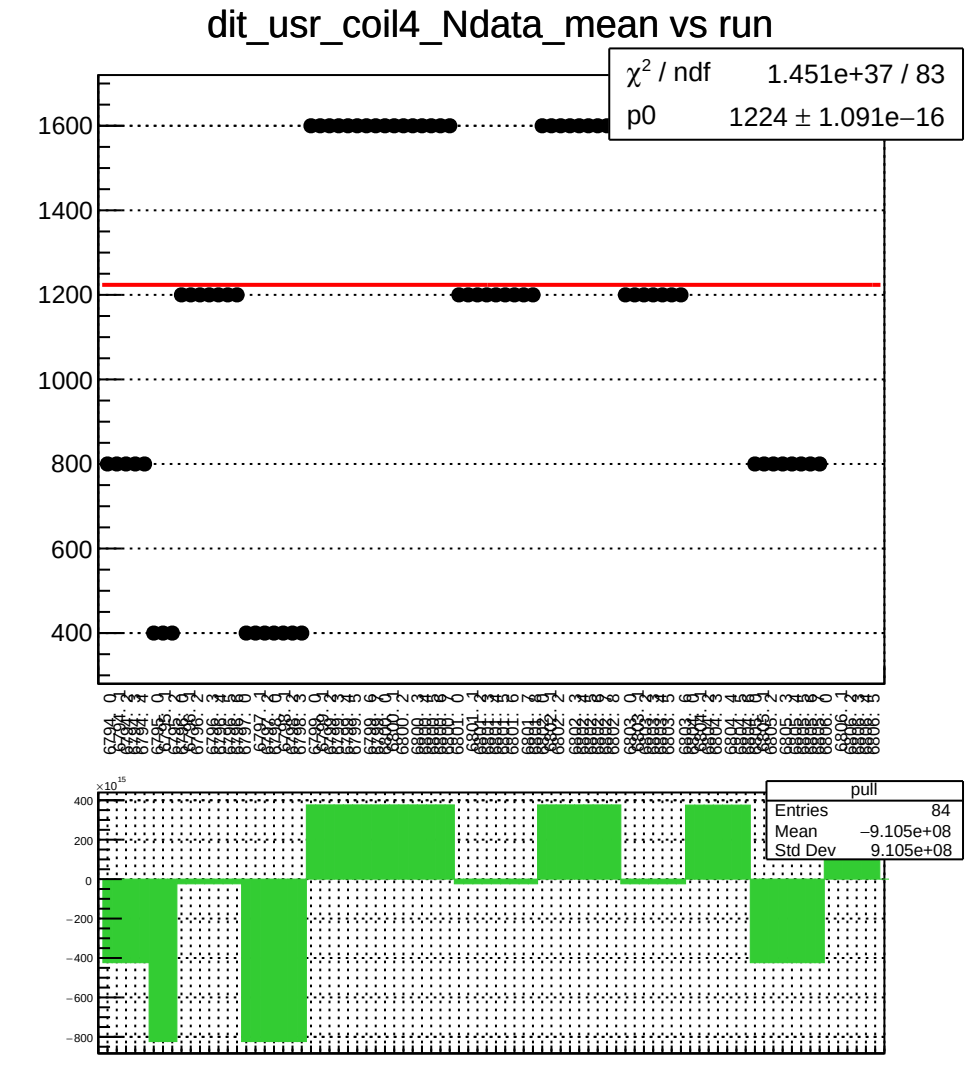

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

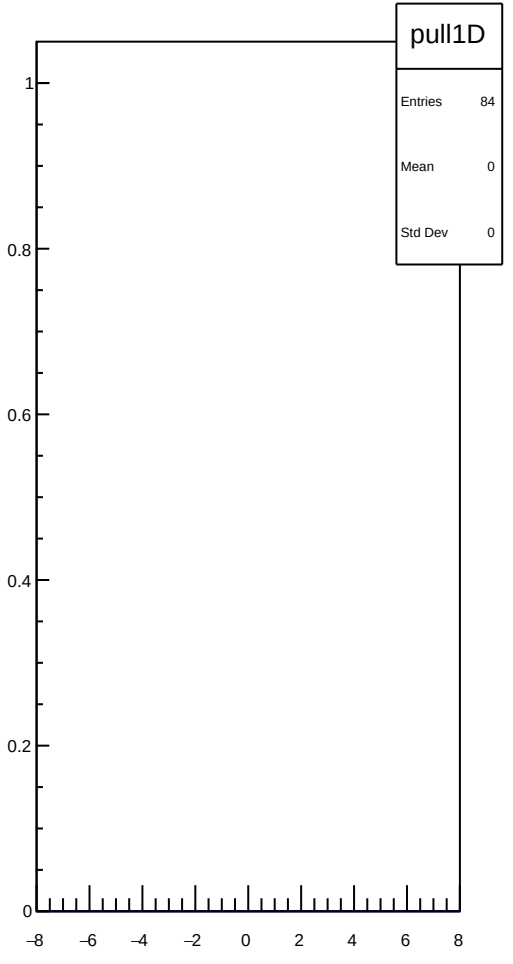

dit_usr_coil4_mean vs run
χ² / ndf 5.569e+36 / 83
p0 3695 ± 1.091e−16
4200
4000
3800
3600
3400
pull
Entries 84
Mean −1.128e+09
Std Dev 1.128e+09
×10¹⁵
600
500
400
300
200
100
0
−100
−200
−300

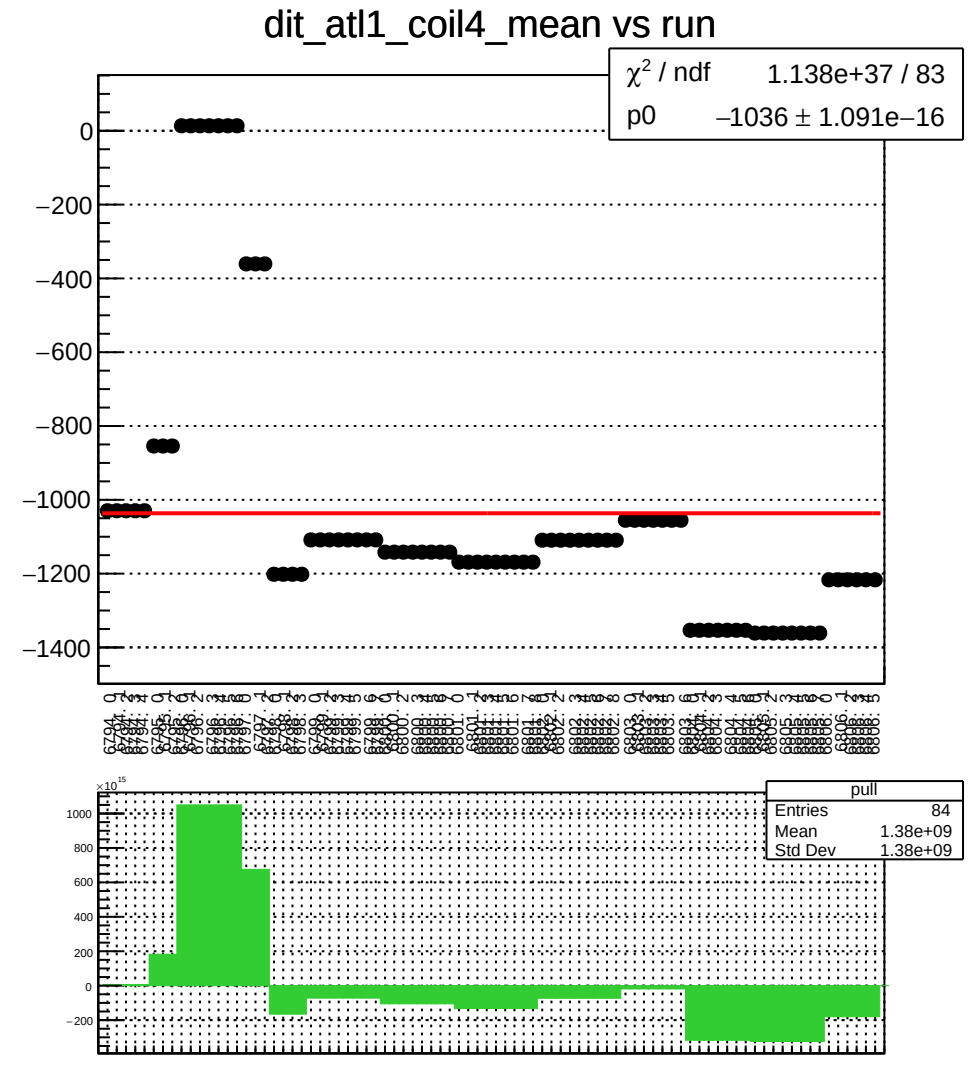

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

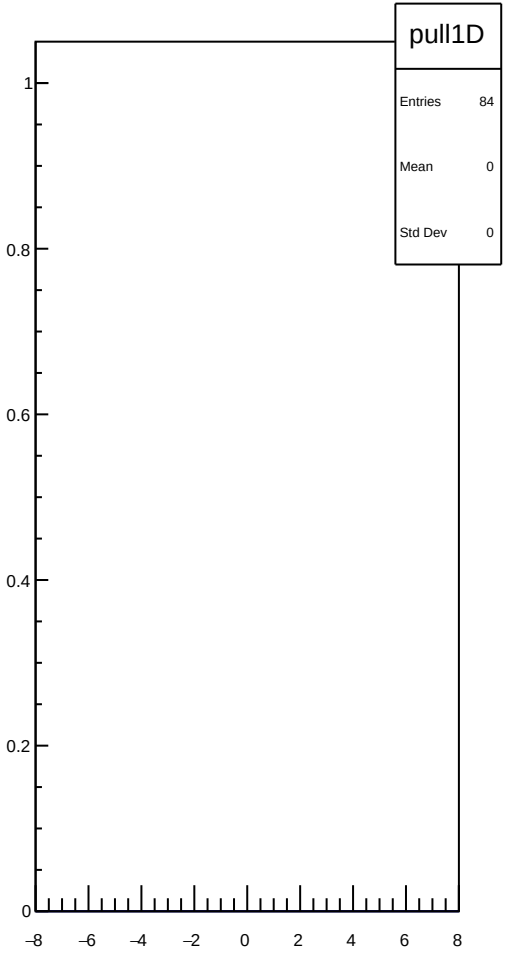

dit_usr_coil4_err_mean vs run
χ² / ndf 9.07e+36 / 83
p0 452.3 ± 1.091e−16
pull
Entries 84
Mean −1.674e+09
Std Dev 1.674e+09

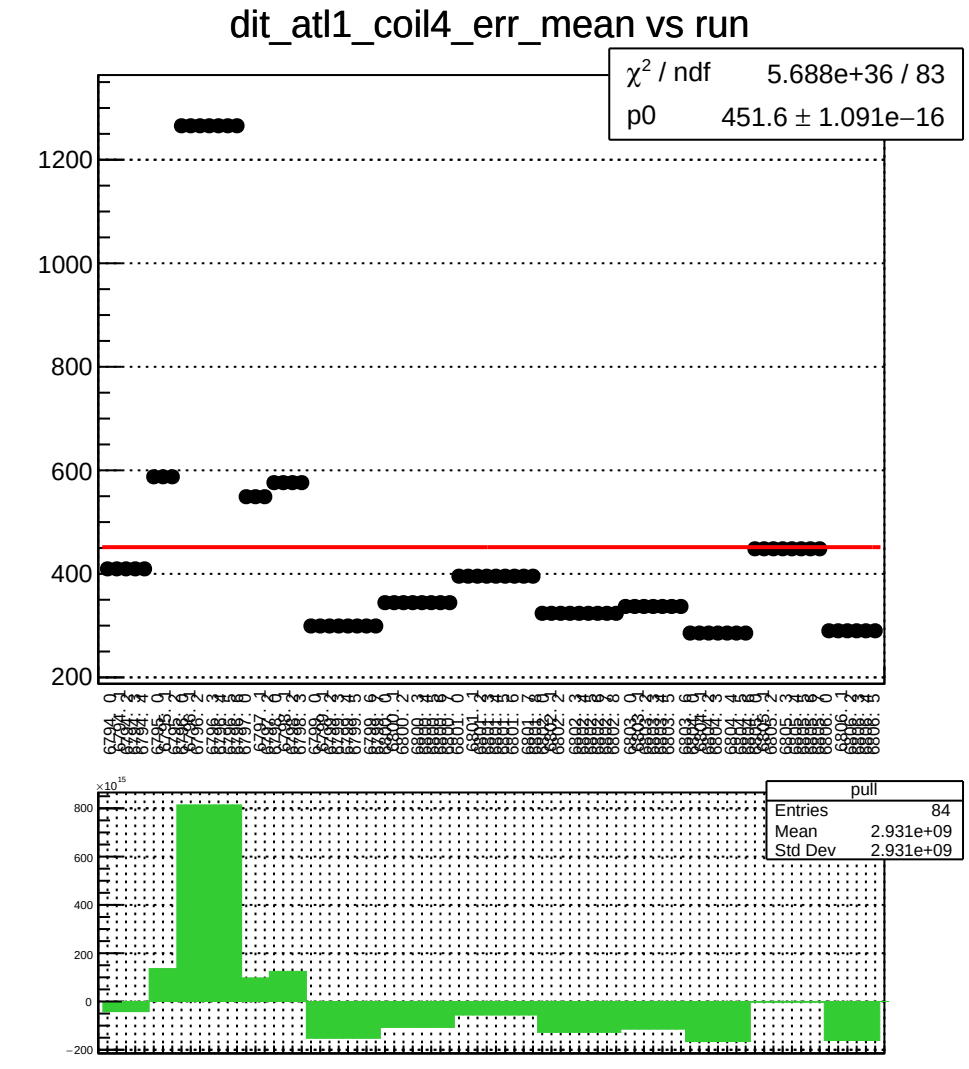

pull1D
Entries 84
Mean 0
Std Dev 0

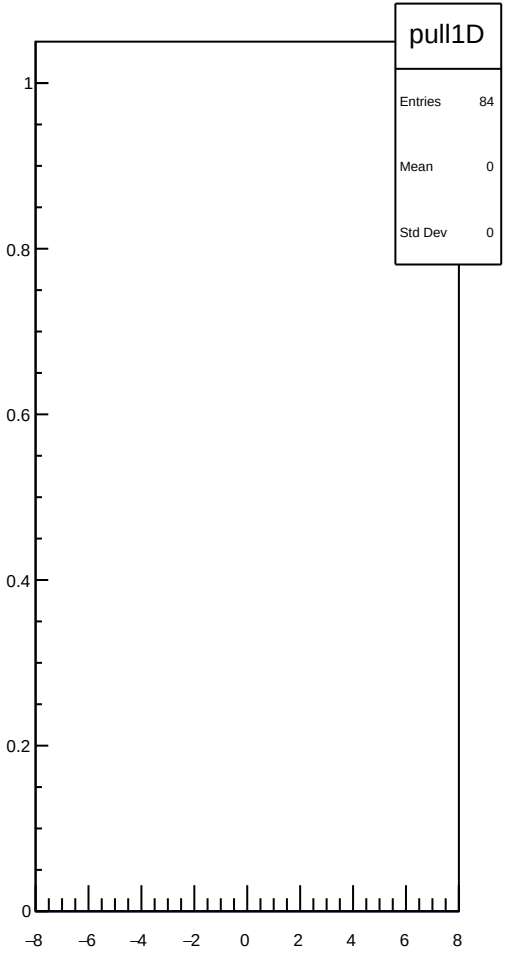

dit_usr_coil4_Ndata_mean vs run
χ² / ndf 1.451e+37 / 83
p0 1224 ± 1.091e−16
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean −9.105e+08
Std Dev 9.105e+08
×10¹⁵
400
200
0
−200
−400
−600
−800

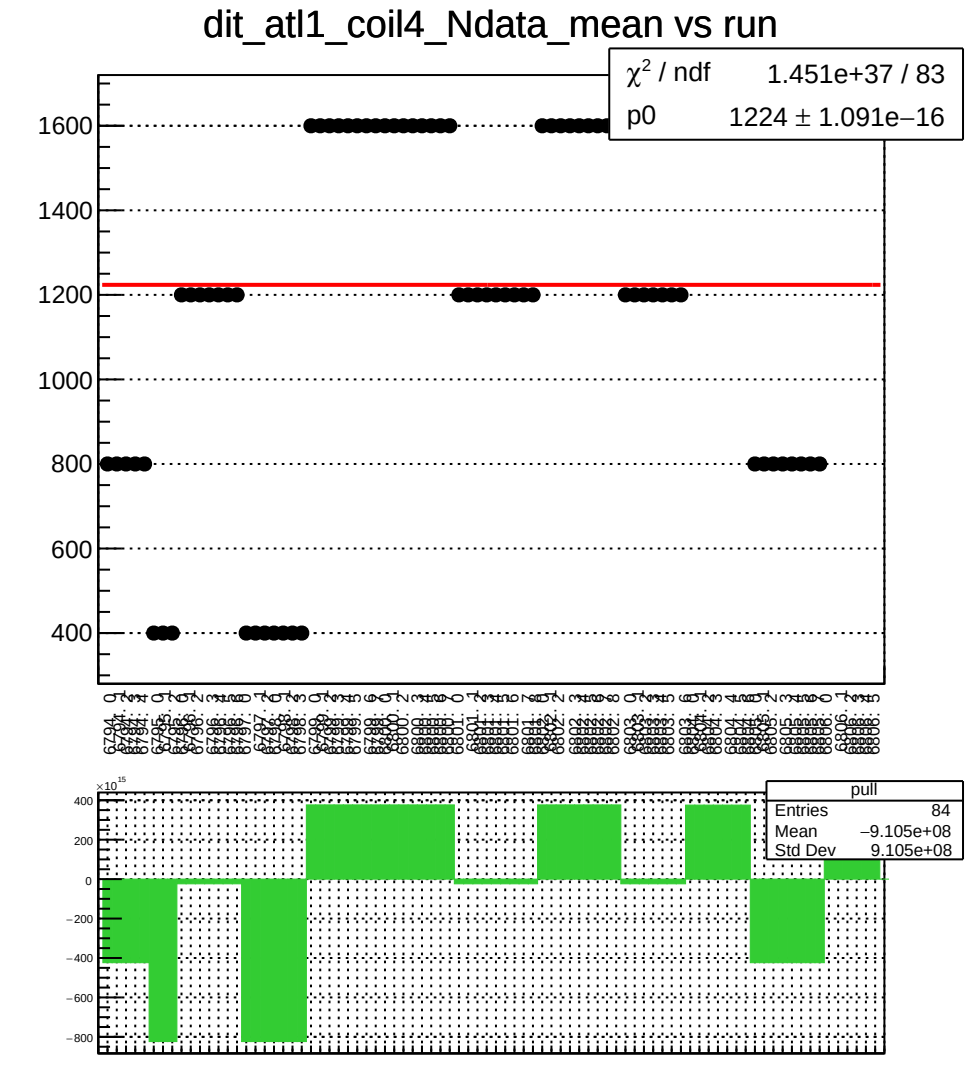

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

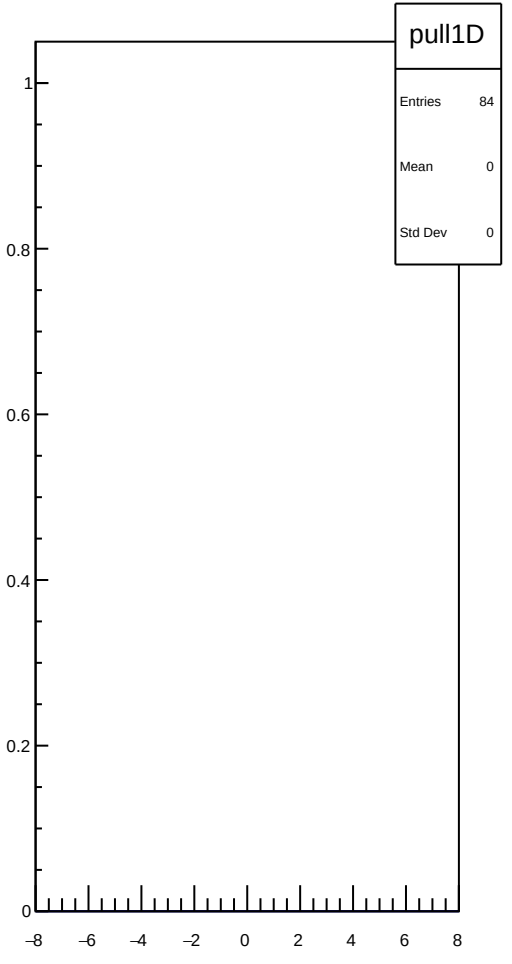

dit_atl1_coil4_mean vs run
χ² / ndf 1.138e+37 / 83
p0 −1036 ± 1.091e−16
0
−200
−400
−600
−800
−1000
−1200
−1400
pull
Entries 84
Mean 1.38e+09
Std Dev 1.38e+09
×10¹⁵
1000
800
600
400
200
0
−200

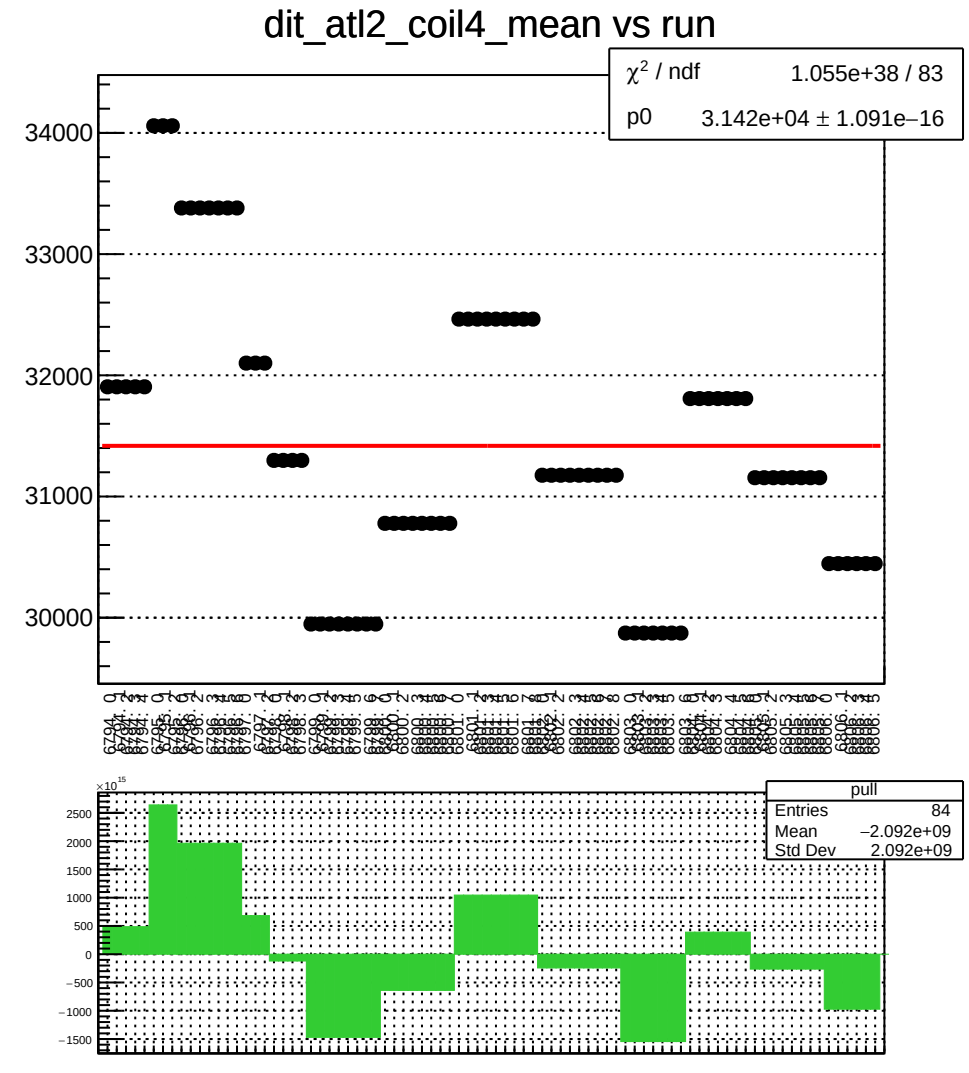

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

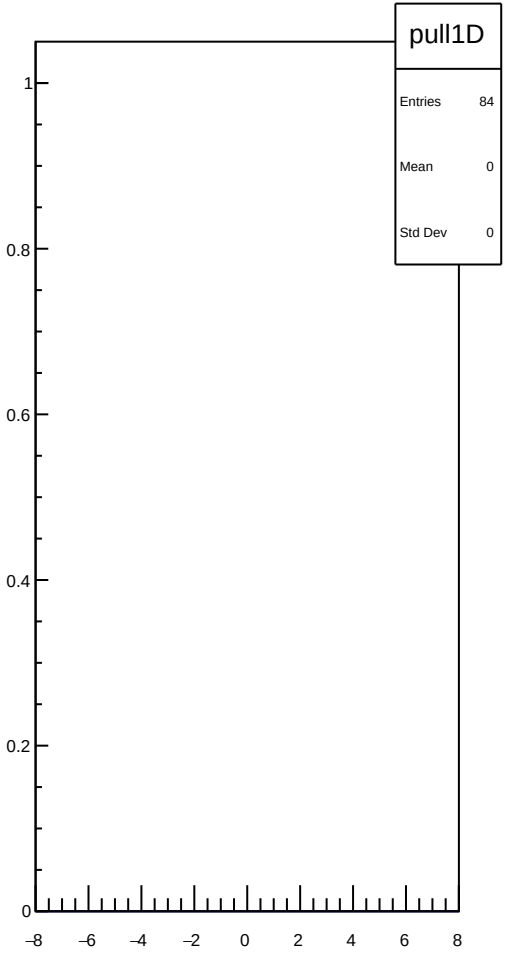

dit_atl1_coil4_err_mean vs run
χ² / ndf 5.688e+36 / 83
p0 451.6 ± 1.091e−16
1200
1000
800
600
400
200
pull
Entries 84
Mean 2.931e+09
Std Dev 2.931e+09
×10¹⁵
800
600
400
200
0
−200

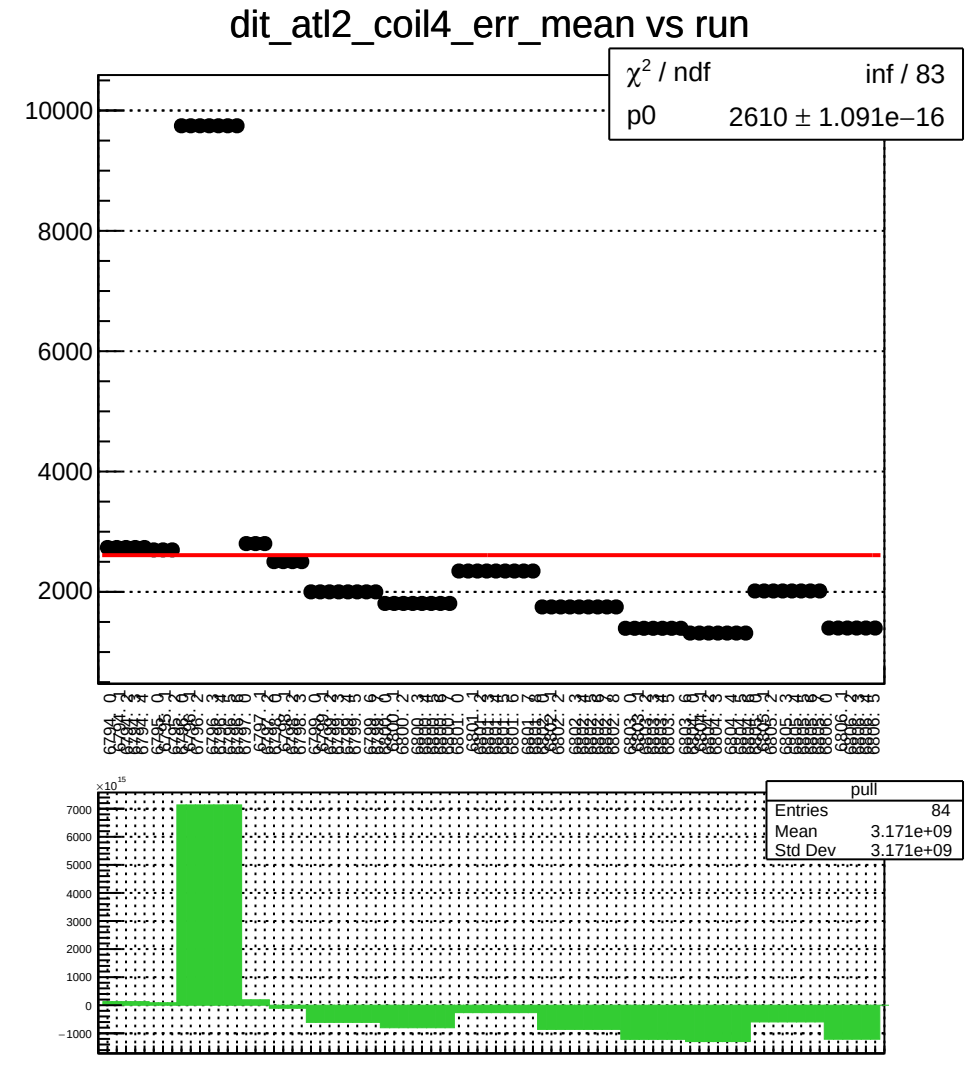

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

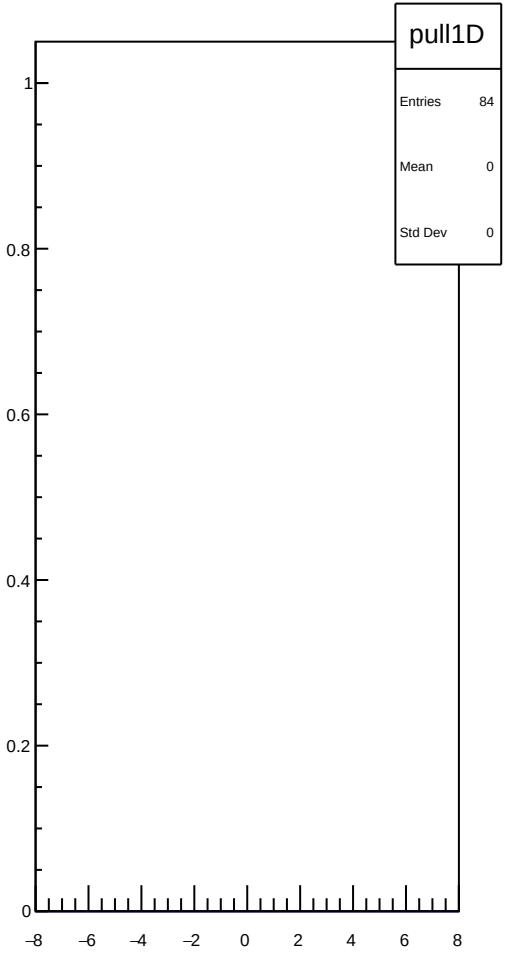

dit_atl1_coil4_Ndata_mean vs run
χ² / ndf 1.451e+37 / 83
p0 1224 ± 1.091e−16
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean −9.105e+08
Std Dev 9.105e+08
×10¹⁵
400
200
0
−200
−400
−600
−800

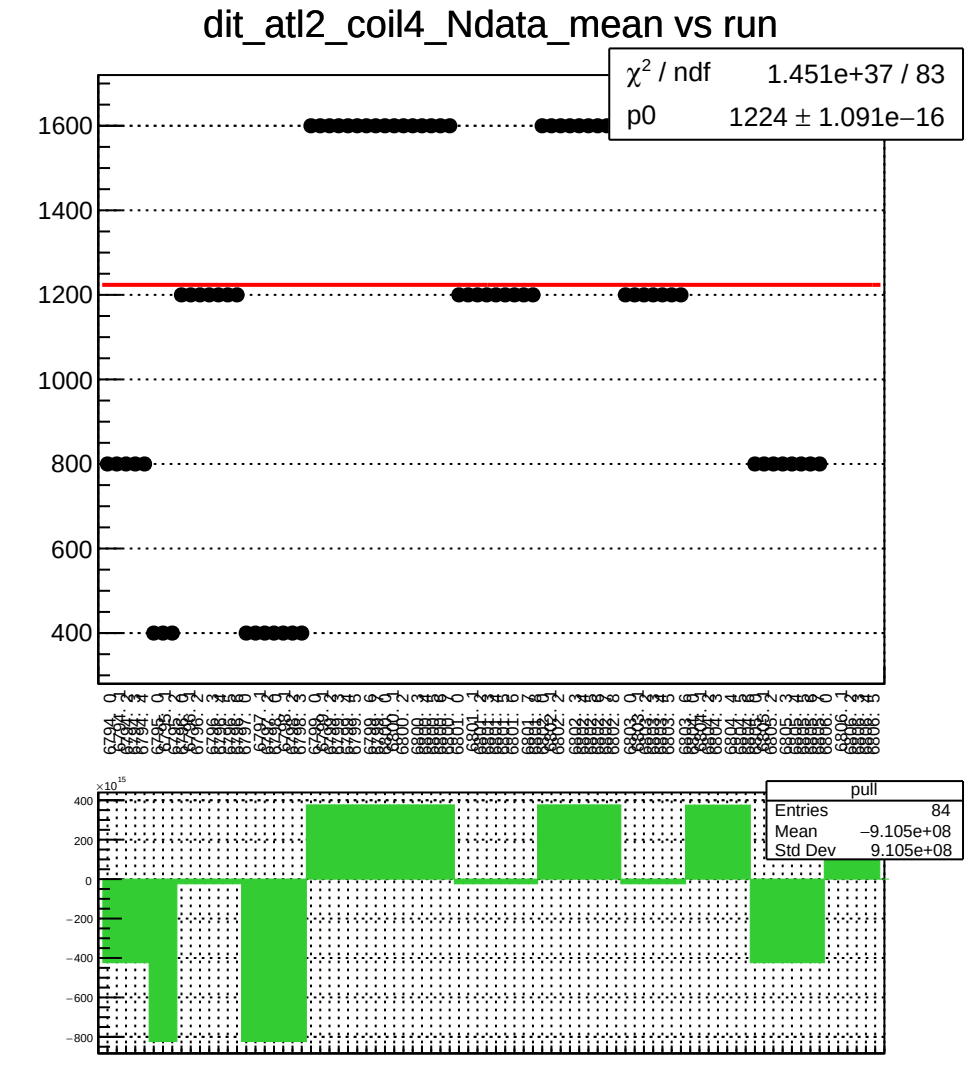

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

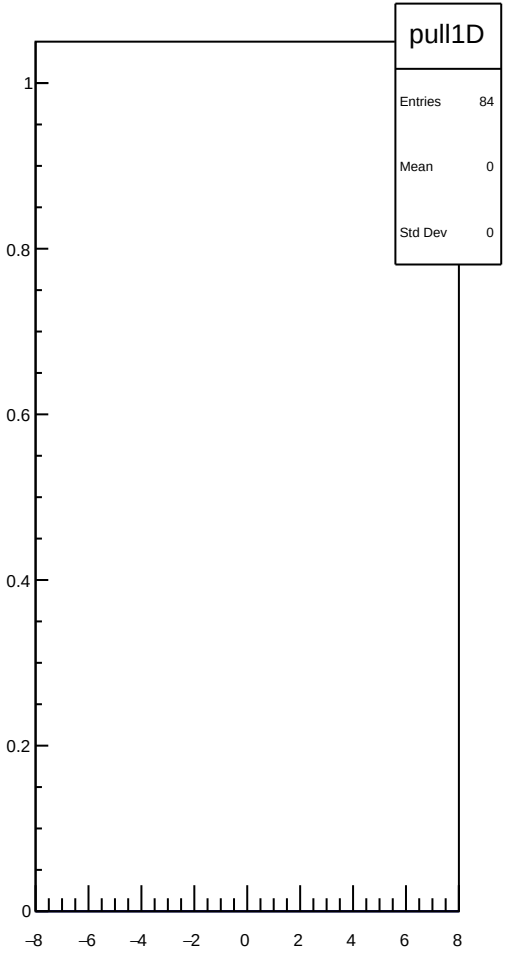

dit_atl2_coil4_mean vs run
χ² / ndf 1.055e+38 / 83
p0 3.142e+04 ± 1.091e−16
34000
33000
32000
31000
30000
×10¹⁵
2500
2000
1500
1000
500
0
−500
−1000
−1500
pull
Entries 84
Mean −2.092e+09
Std Dev 2.092e+09

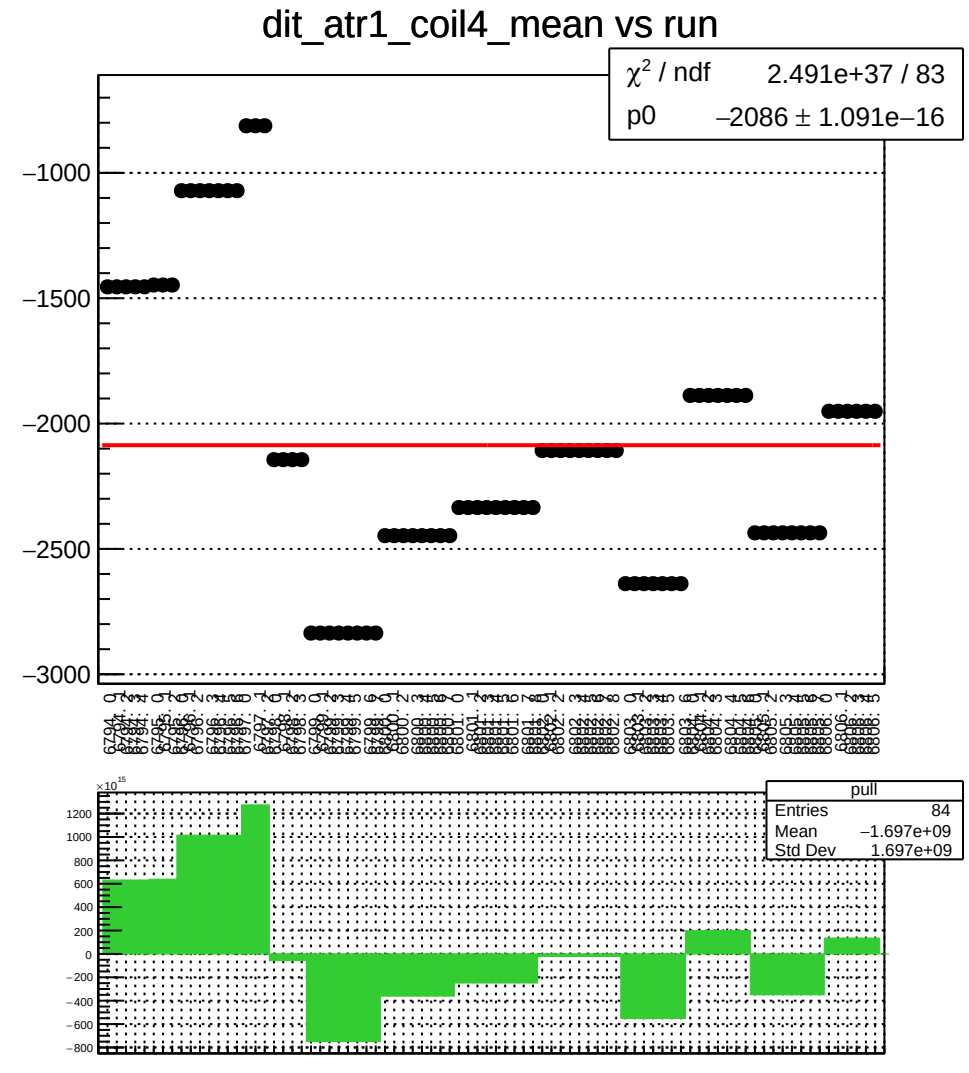

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

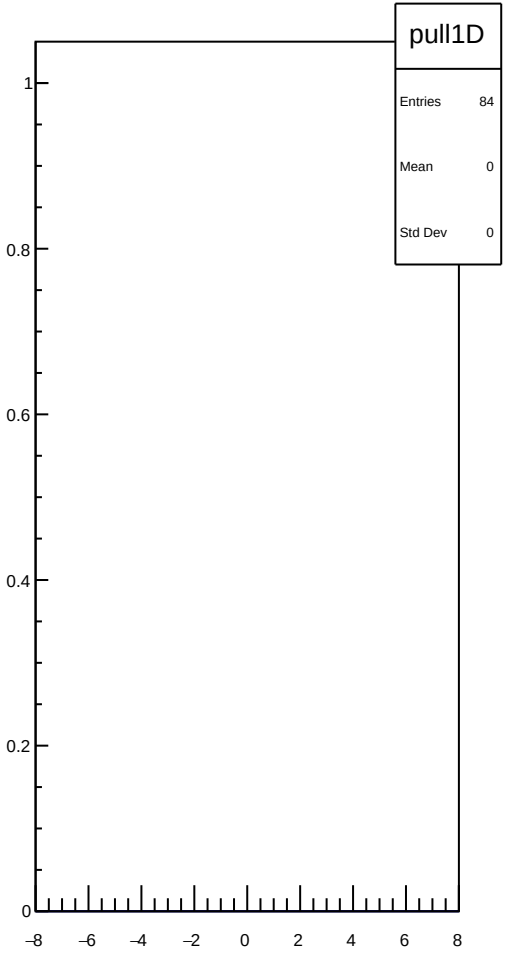

dit_atl2_coil4_err_mean vs run
χ² / ndf inf / 83
p0 2610 ± 1.091e−16
10000
8000
6000
4000
2000
pull
Entries 84
Mean 3.171e+09
Std Dev 3.171e+09
×10¹⁵
7000
6000
5000
4000
3000
2000
1000
0
−1000

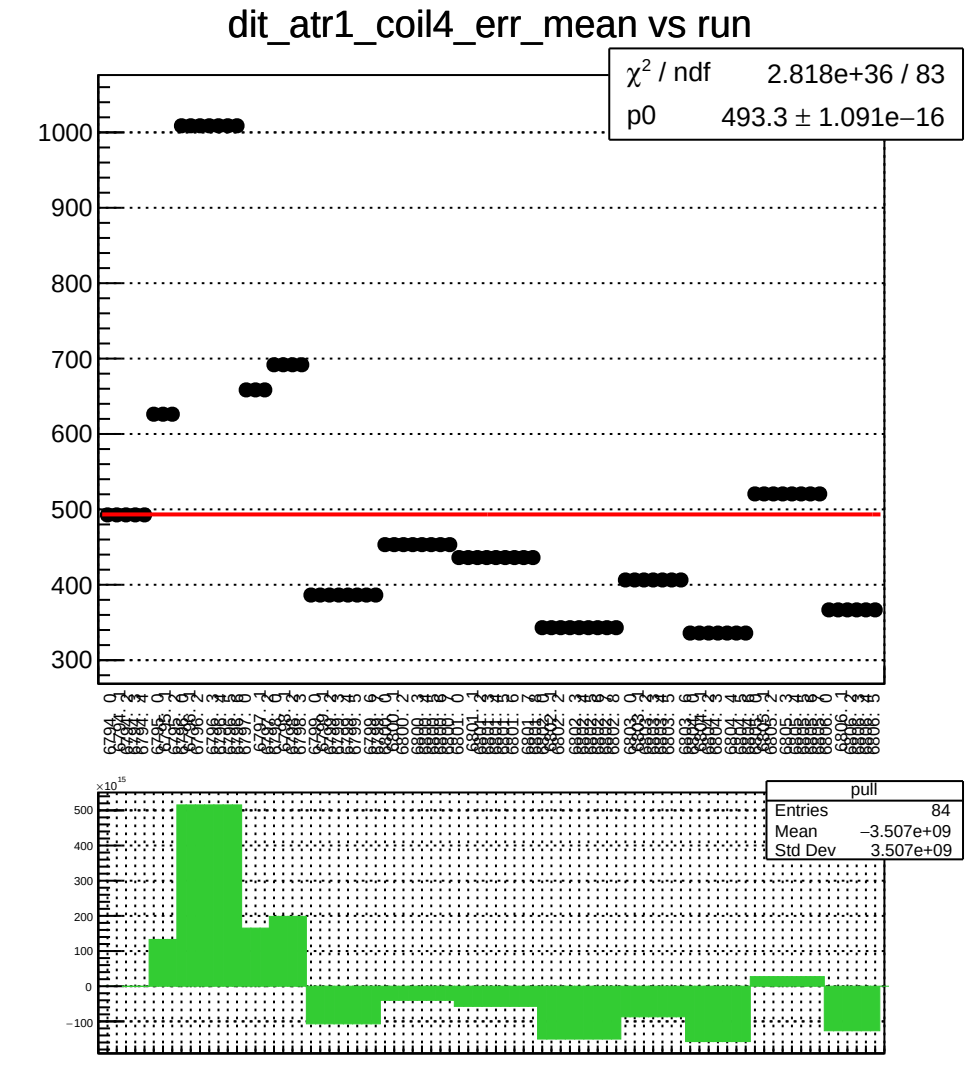

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

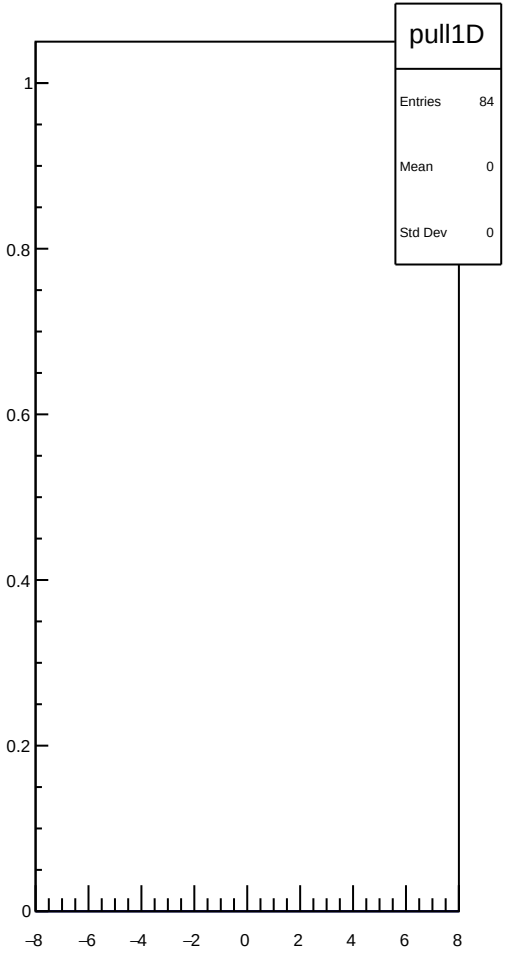

dit_atl2_coil4_Ndata_mean vs run
χ² / ndf 1.451e+37 / 83
p0 1224 ± 1.091e−16
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean −9.105e+08
Std Dev 9.105e+08
×10¹⁵
400
200
0
−200
−400
−600
−800

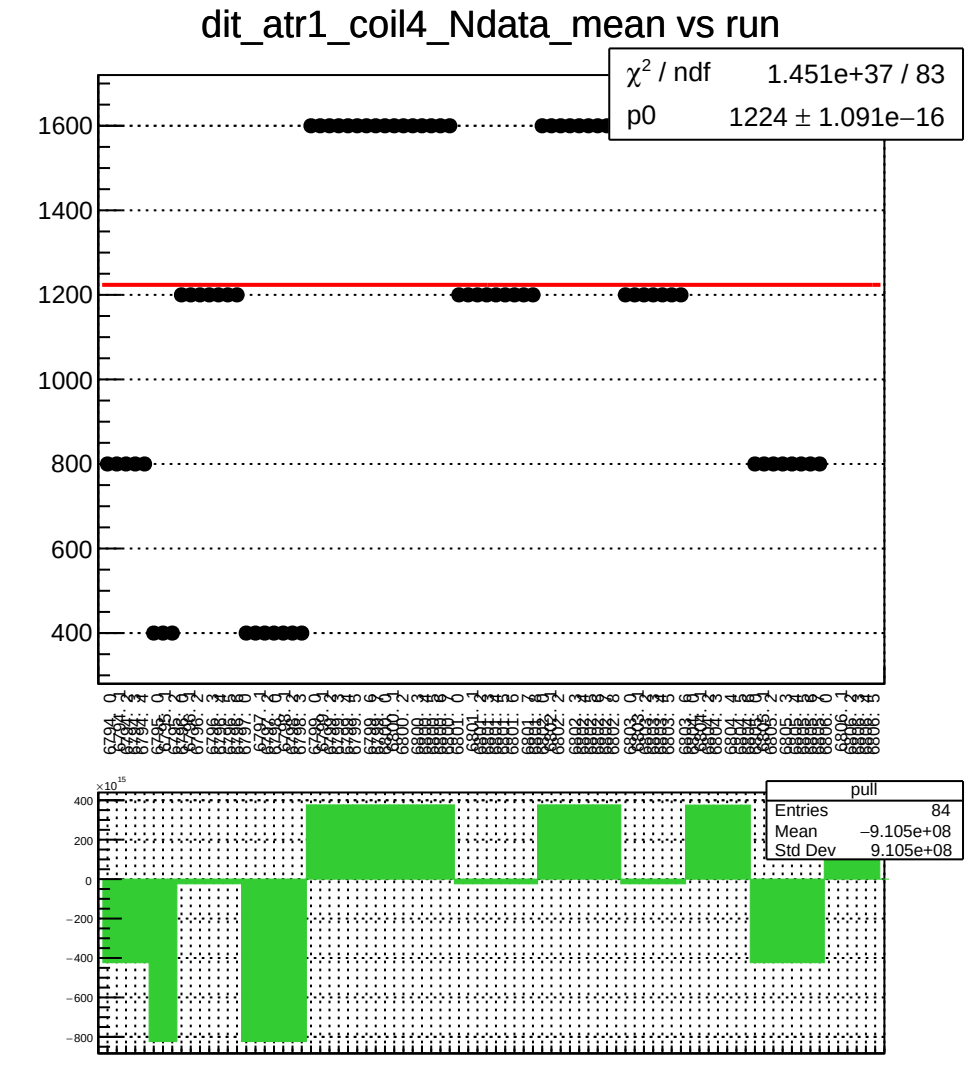

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

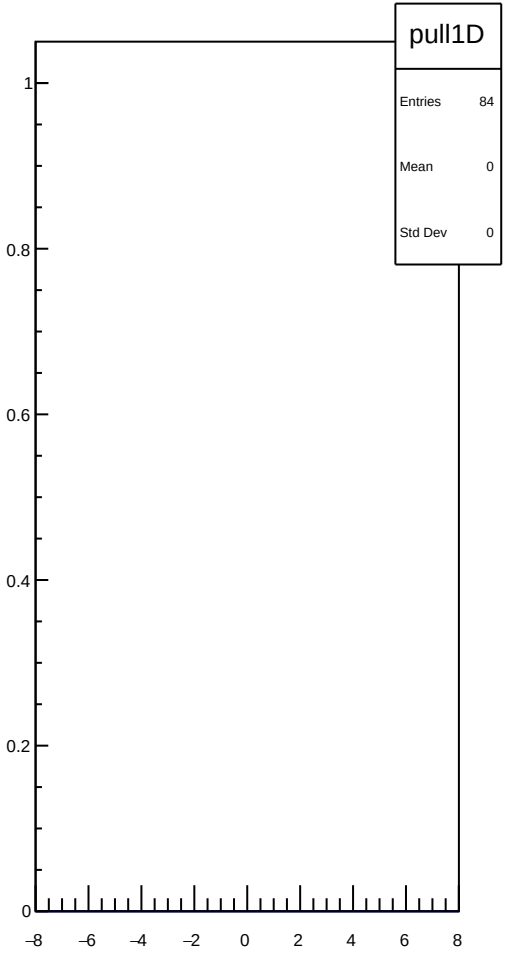

dit_atr1_coil4_mean vs run
χ² / ndf 2.491e+37 / 83
p0 −2086 ± 1.091e−16
−1000
−1500
−2000
−2500
−3000
pull
Entries 84
Mean −1.697e+09
Std Dev 1.697e+09
×10¹⁵
1200
1000
800
600
400
200
0
−200
−400
−600
−800

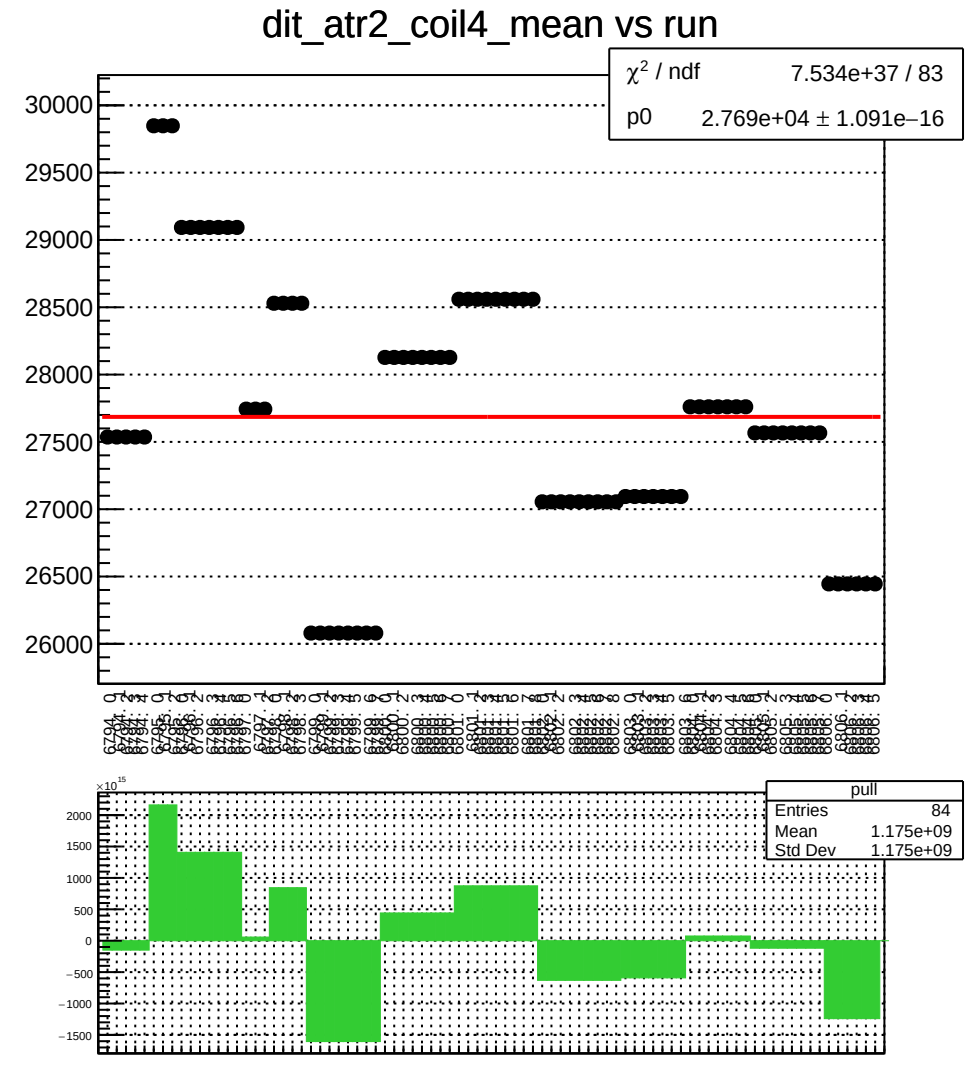

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

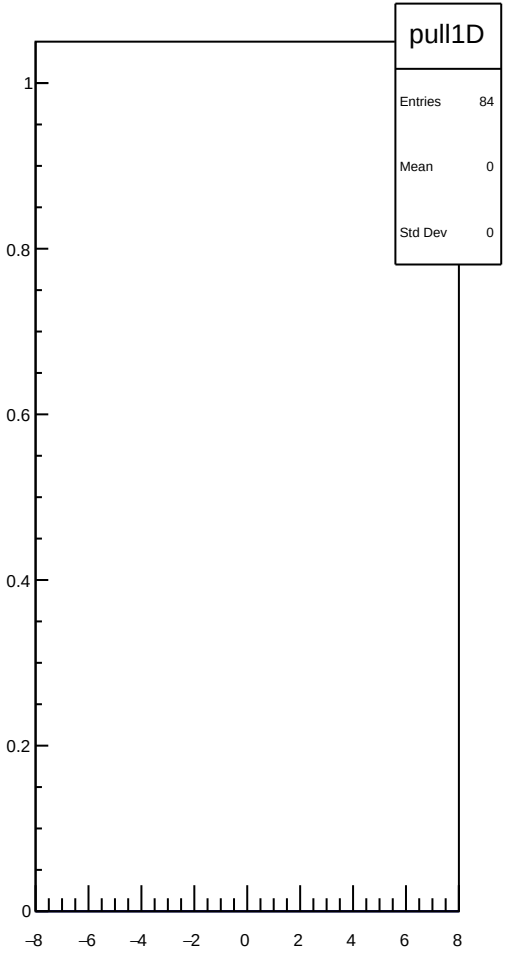

dit_atr1_coil4_err_mean vs run
χ² / ndf 2.818e+36 / 83
p0 493.3 ± 1.091e−16
pull
Entries 84
Mean −3.507e+09
Std Dev 3.507e+09

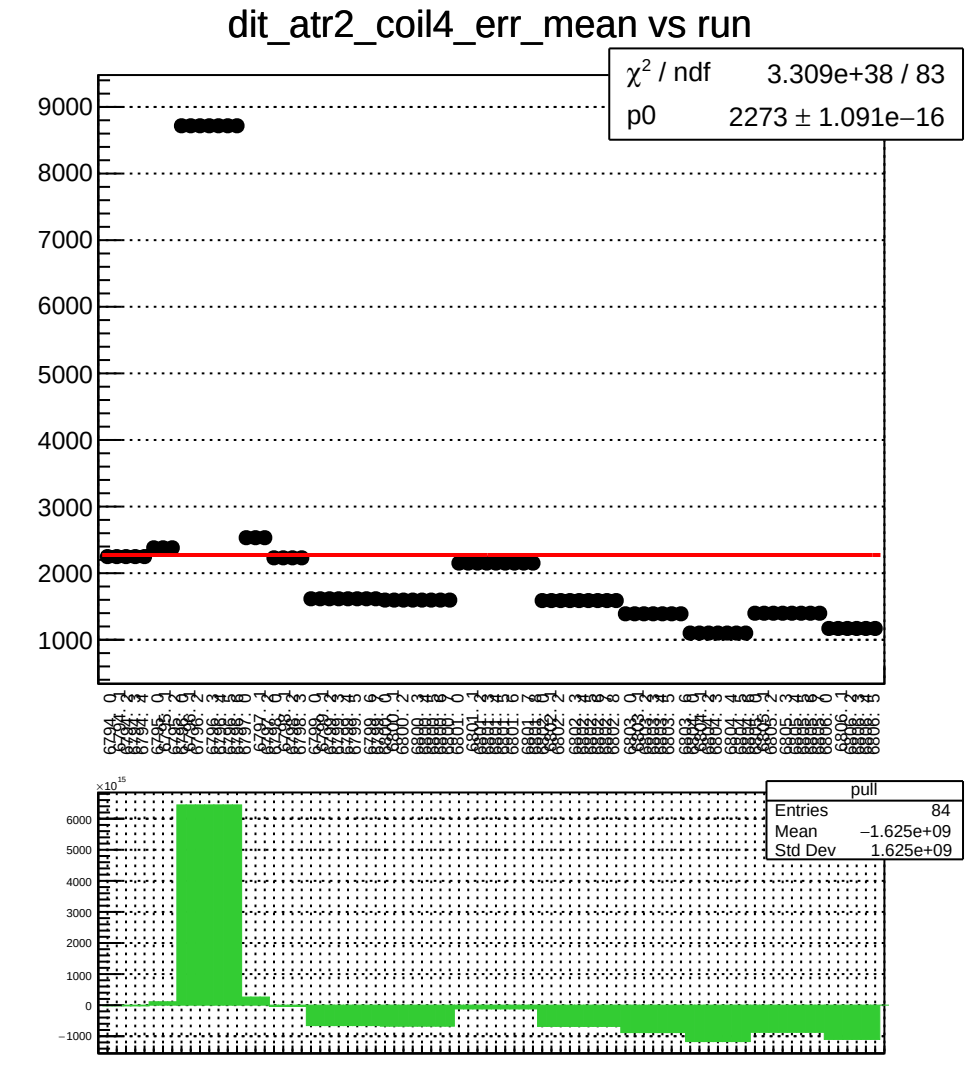

pull1D
Entries 84
Mean 0
Std Dev 0

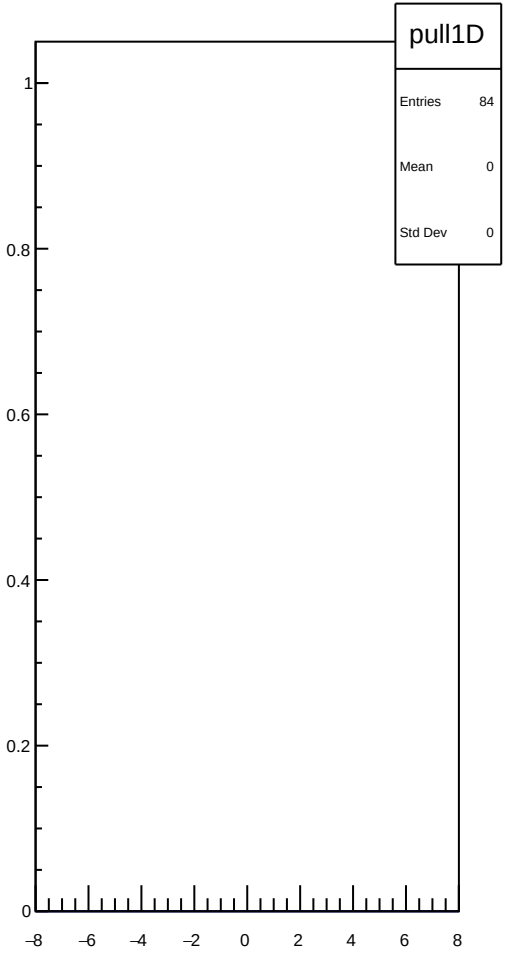

dit_atr1_coil4_Ndata_mean vs run
χ² / ndf 1.451e+37 / 83
p0 1224 ± 1.091e−16
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean −9.105e+08
Std Dev 9.105e+08
×10¹⁵
400
200
0
−200
−400
−600
−800

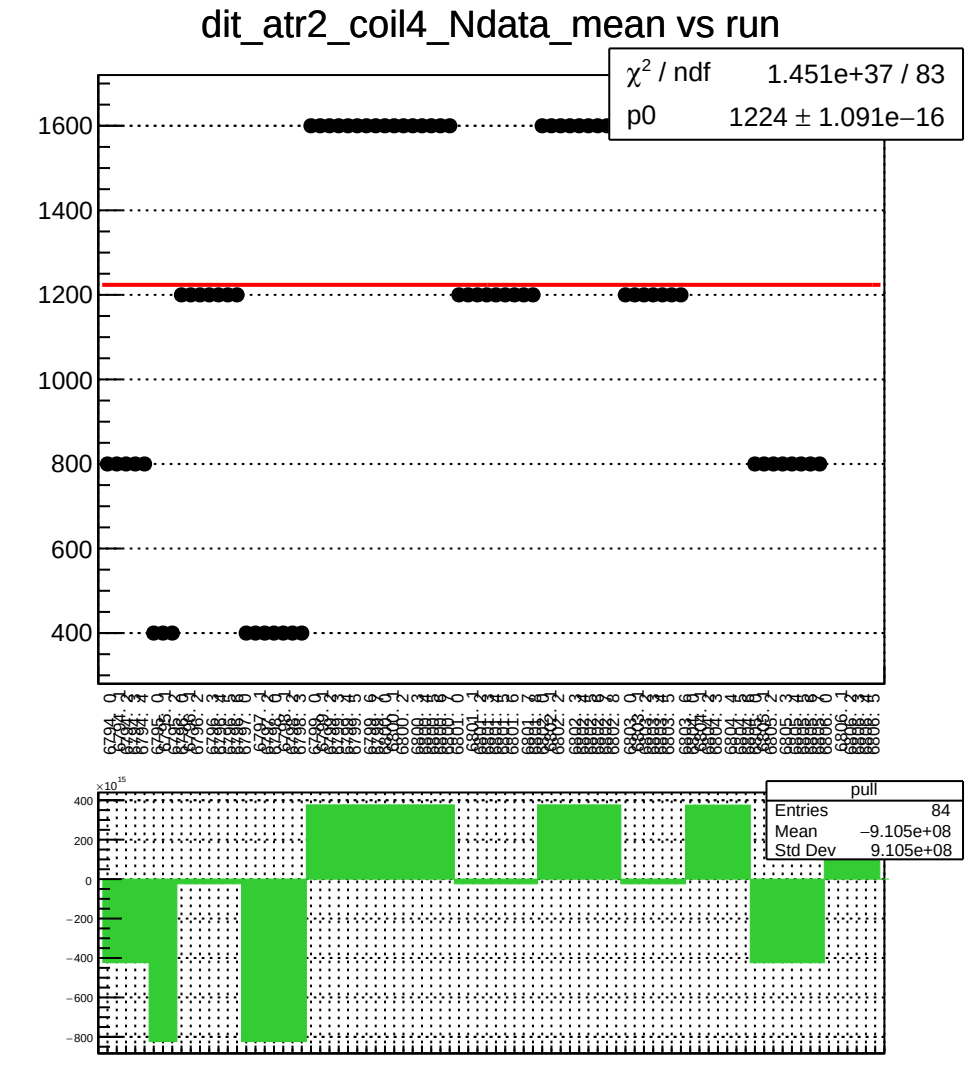

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

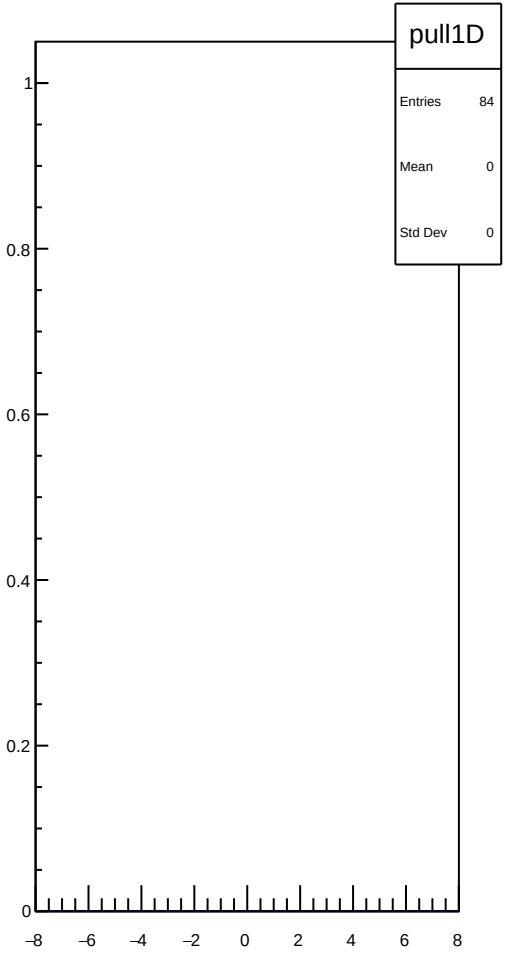

dit_atr2_coil4_mean vs run
χ² / ndf 7.534e+37 / 83
p0 2.769e+04 ± 1.091e−16
30000
29500
29000
28500
28000
27500
27000
26500
26000
×10¹⁵
2000
1500
1000
500
0
−500
−1000
−1500
pull
Entries 84
Mean 1.175e+09
Std Dev 1.175e+09

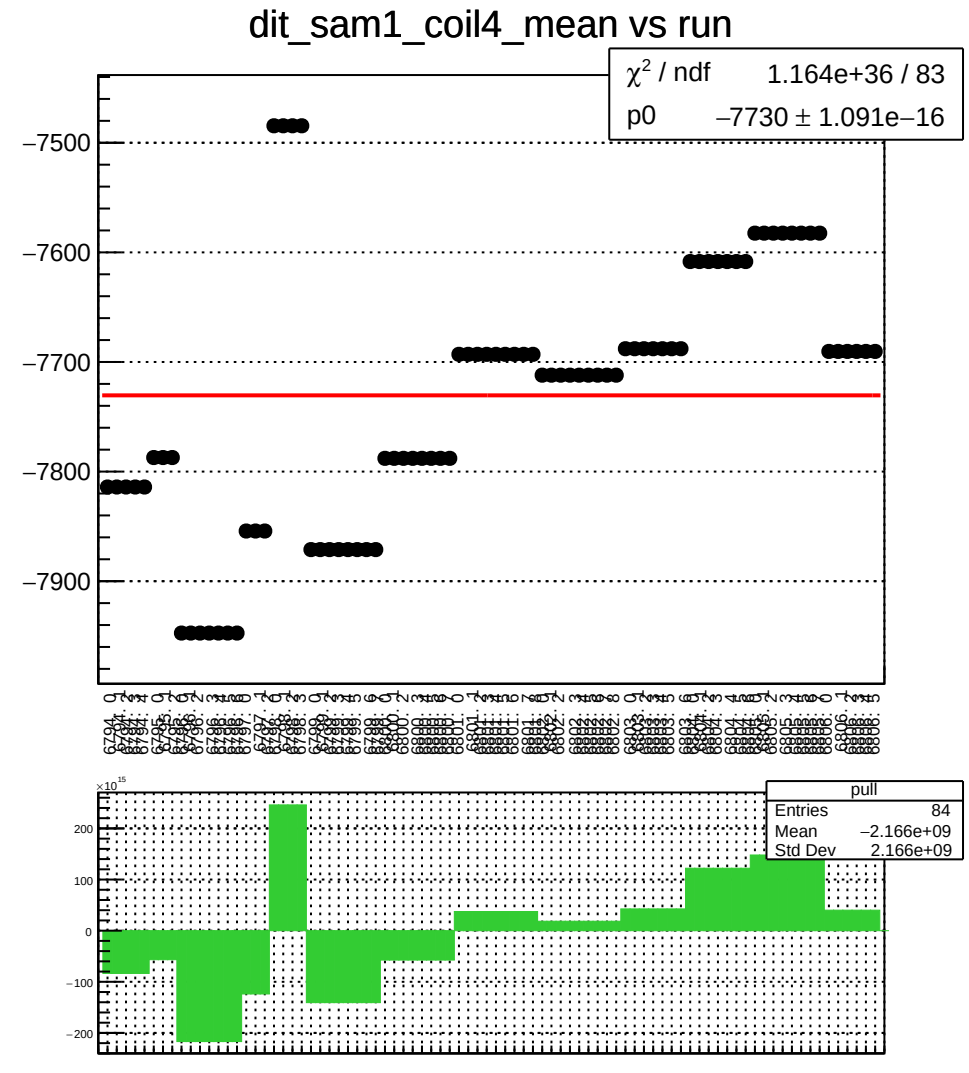

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

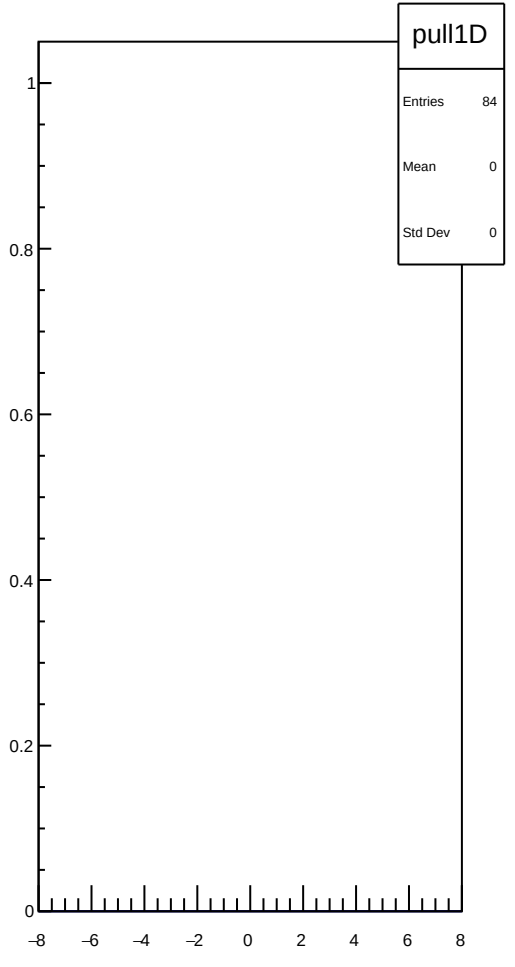

dit_atr2_coil4_err_mean vs run
χ² / ndf 3.309e+38 / 83
p0 2273 ± 1.091e−16
9000
8000
7000
6000
5000
4000
3000
2000
1000
pull
Entries 84
Mean −1.625e+09
Std Dev 1.625e+09
×10¹⁵
6000
5000
4000
3000
2000
1000
0
−1000

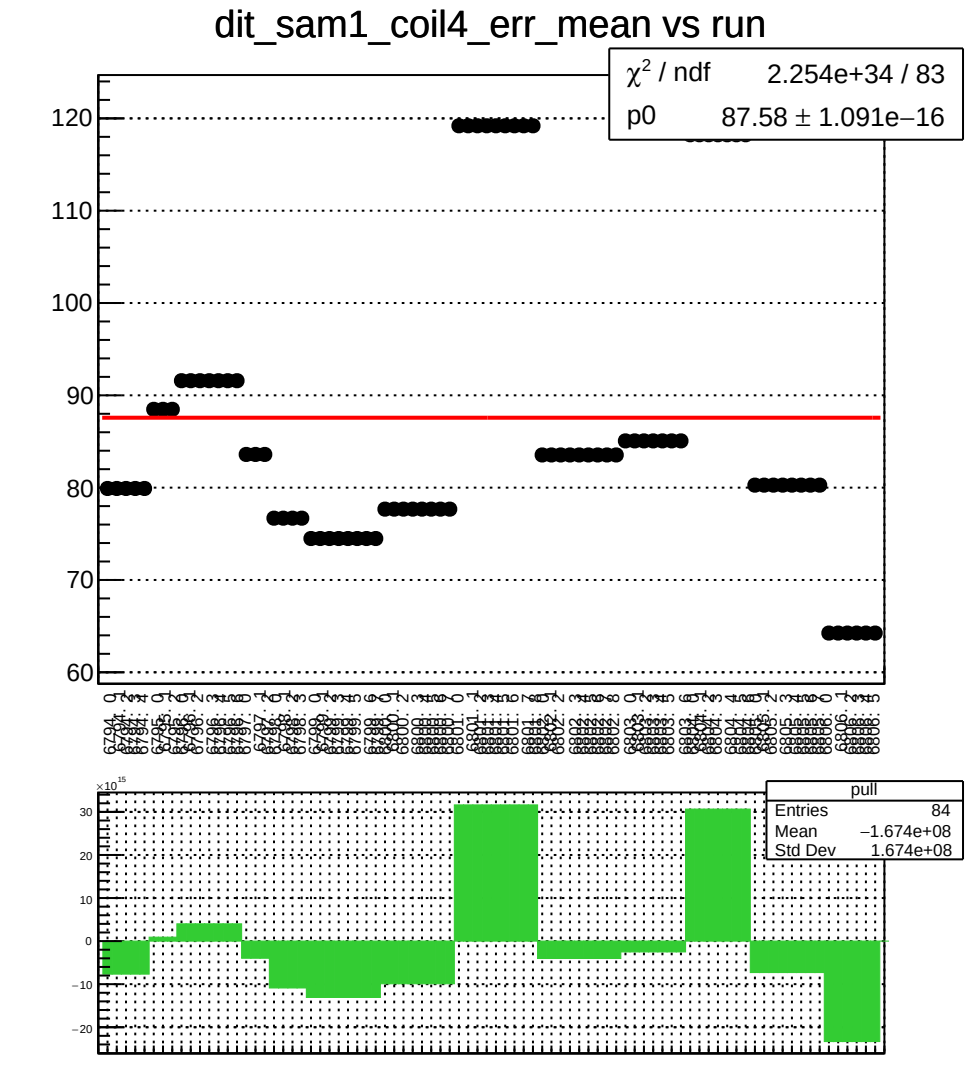

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

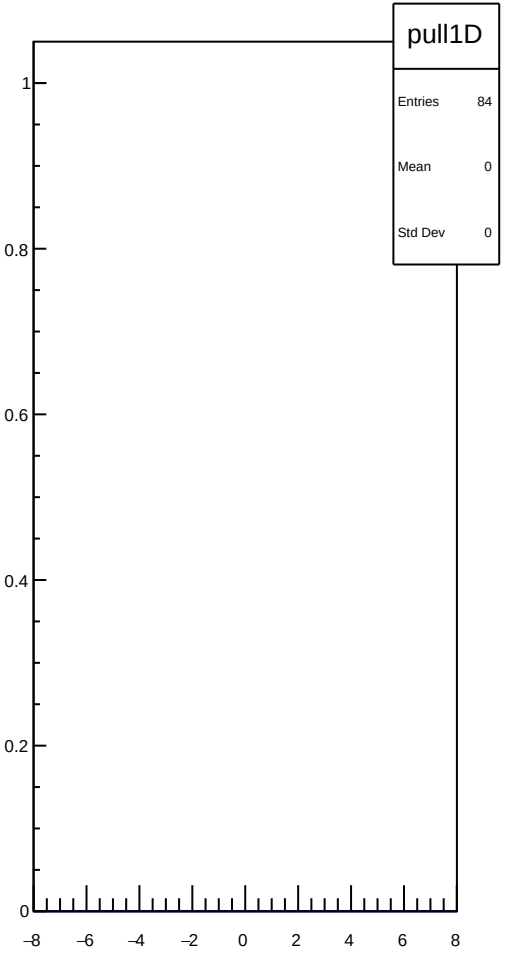

dit_atr2_coil4_Ndata_mean vs run
χ² / ndf 1.451e+37 / 83
p0 1224 ± 1.091e−16
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean −9.105e+08
Std Dev 9.105e+08
×10¹⁵
400
200
0
−200
−400
−600
−800

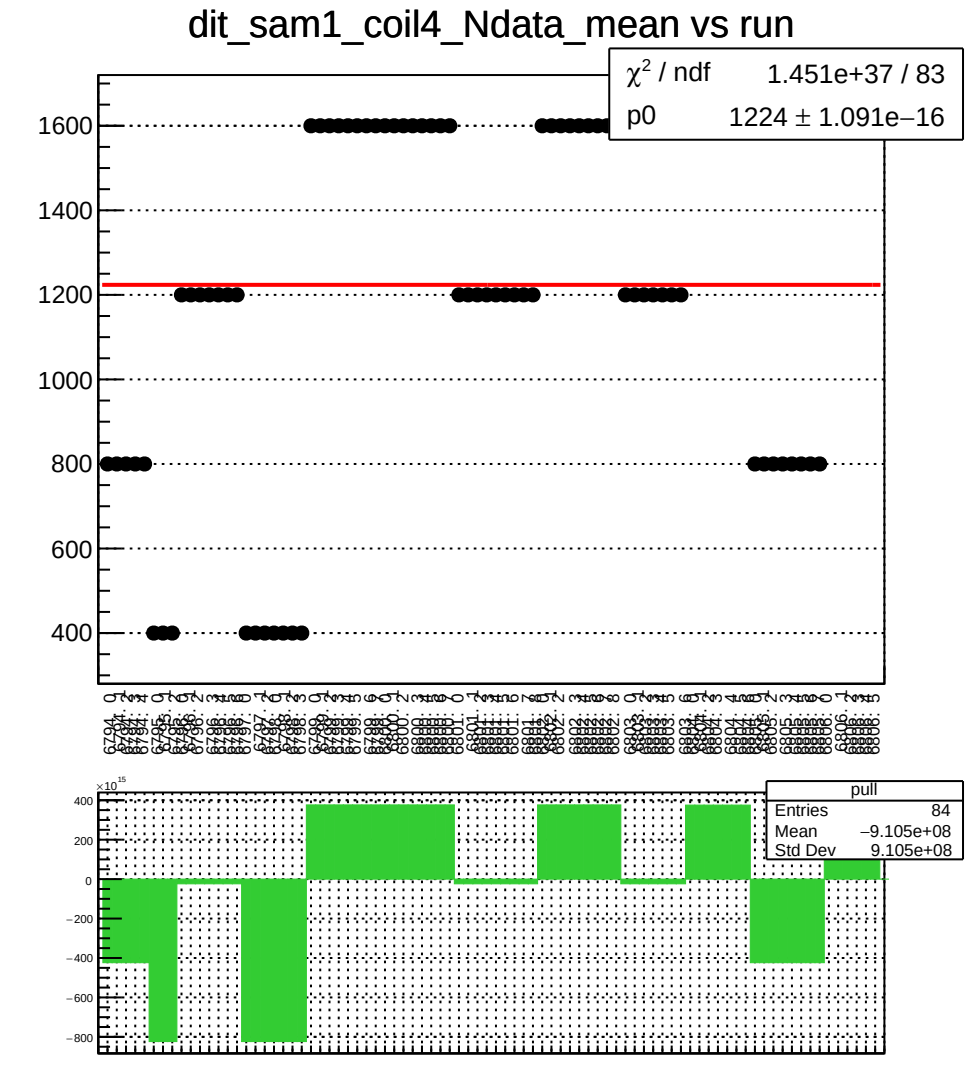

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

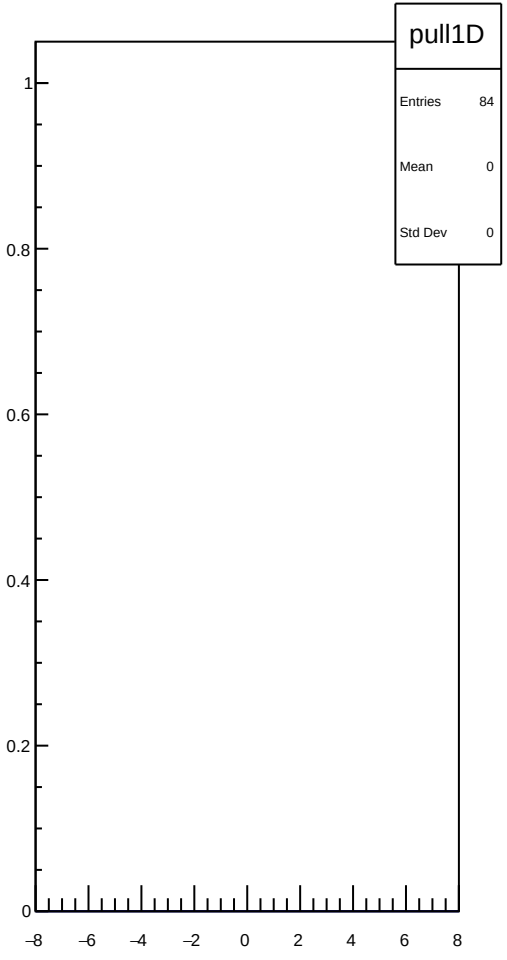

dit_sam1_coil4_mean vs run
χ² / ndf 1.164e+36 / 83
p0 −7730 ± 1.091e−16
−7500
−7600
−7700
−7800
−7900
pull
Entries 84
Mean −2.166e+09
Std Dev 2.166e+09
×10¹⁵
200
100
0
−100
−200

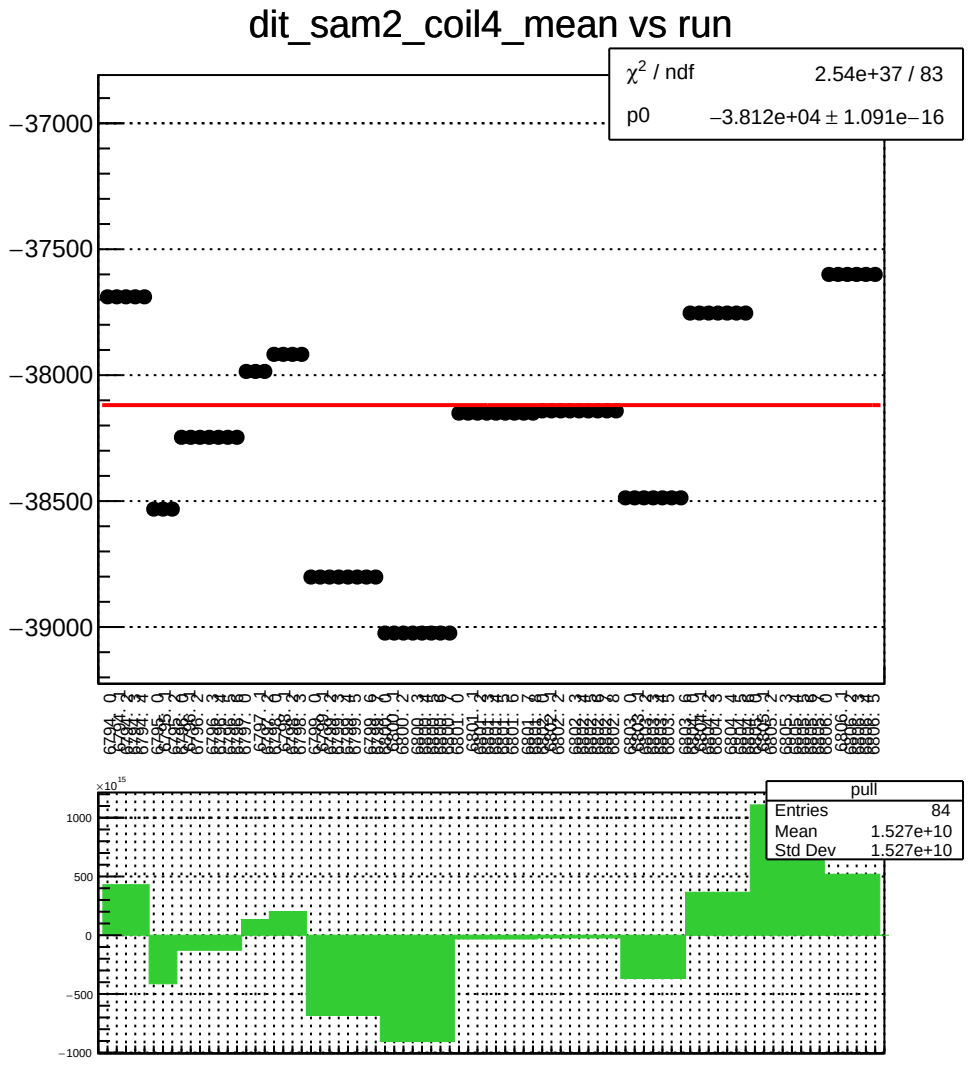

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

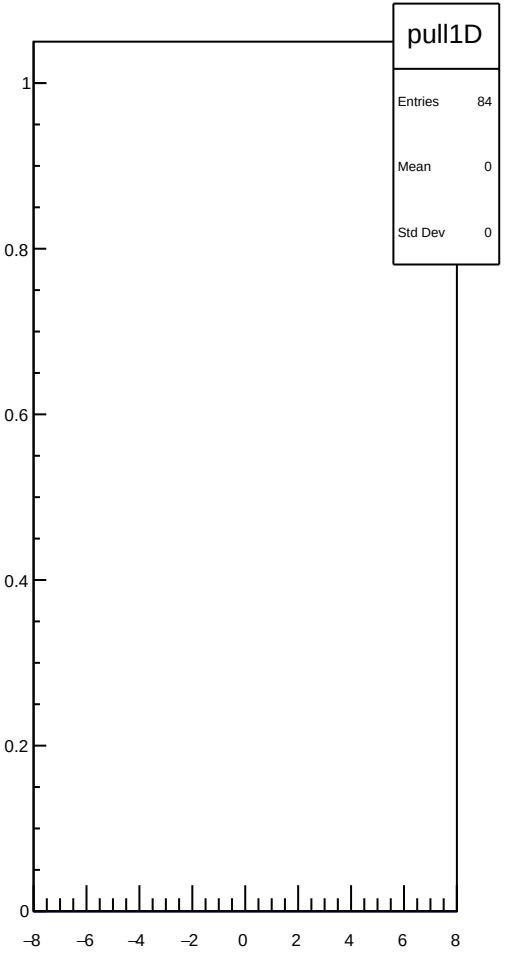

dit_sam1_coil4_err_mean vs run
χ² / ndf 2.254e+34 / 83
p0 87.58 ± 1.091e−16
pull
Entries 84
Mean −1.674e+08
Std Dev 1.674e+08

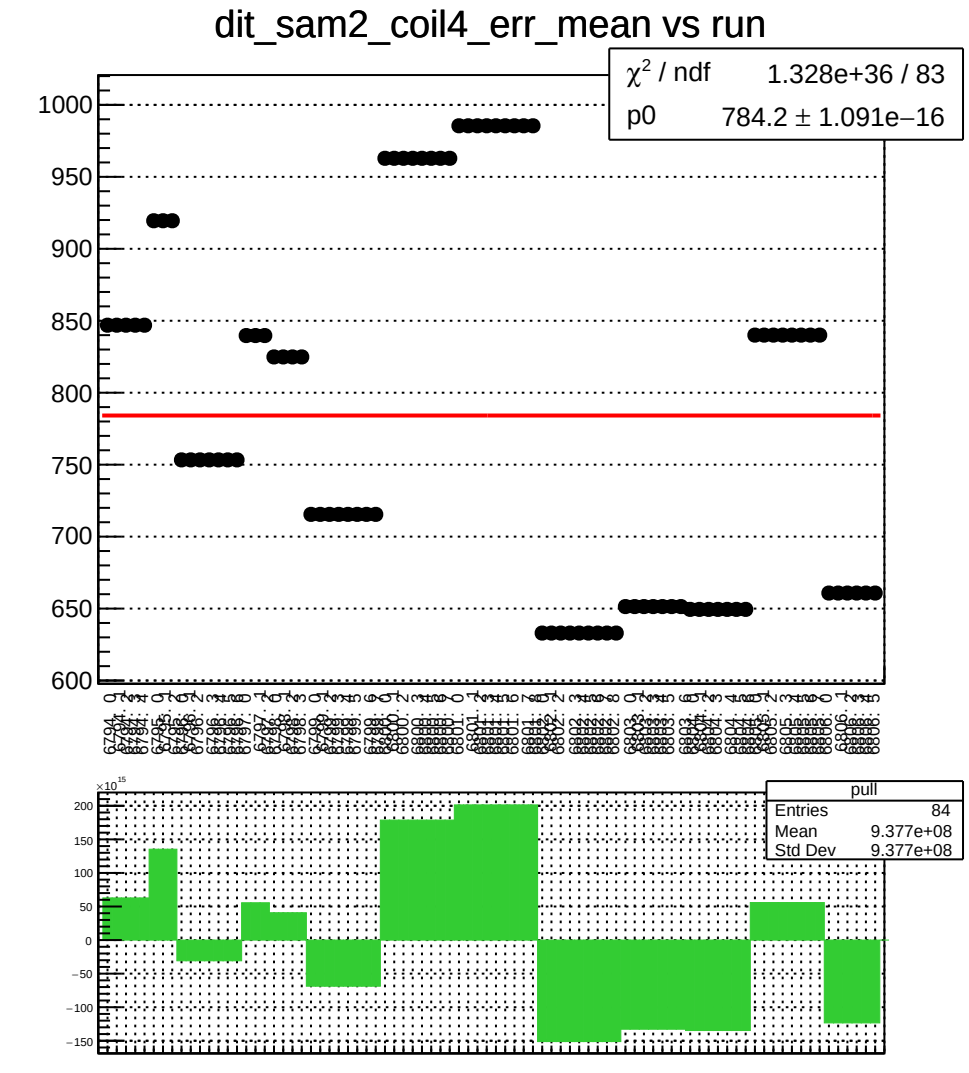

pull1D
Entries 84
Mean 0
Std Dev 0

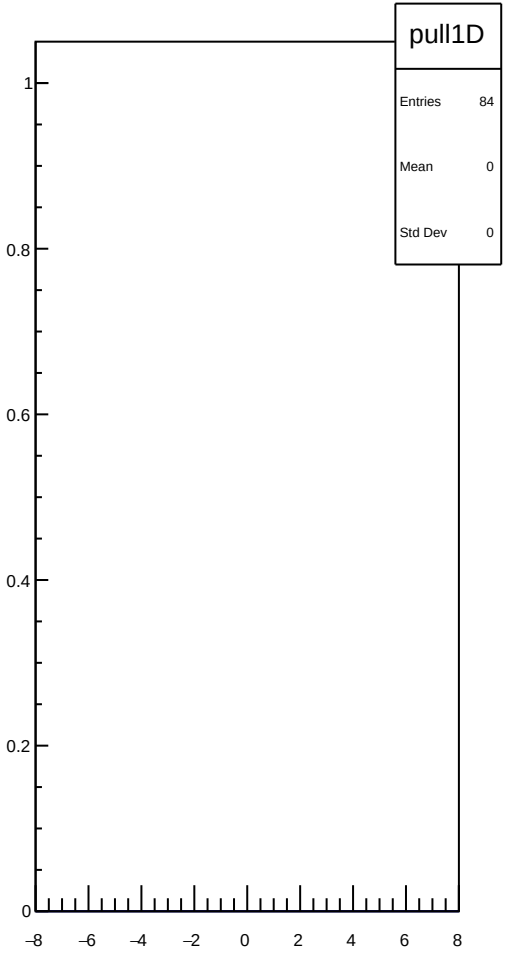

dit_sam1_coil4_Ndata_mean vs run
χ² / ndf 1.451e+37 / 83
p0 1224 ± 1.091e−16
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean −9.105e+08
Std Dev 9.105e+08
×10¹⁵
400
200
0
−200
−400
−600
−800

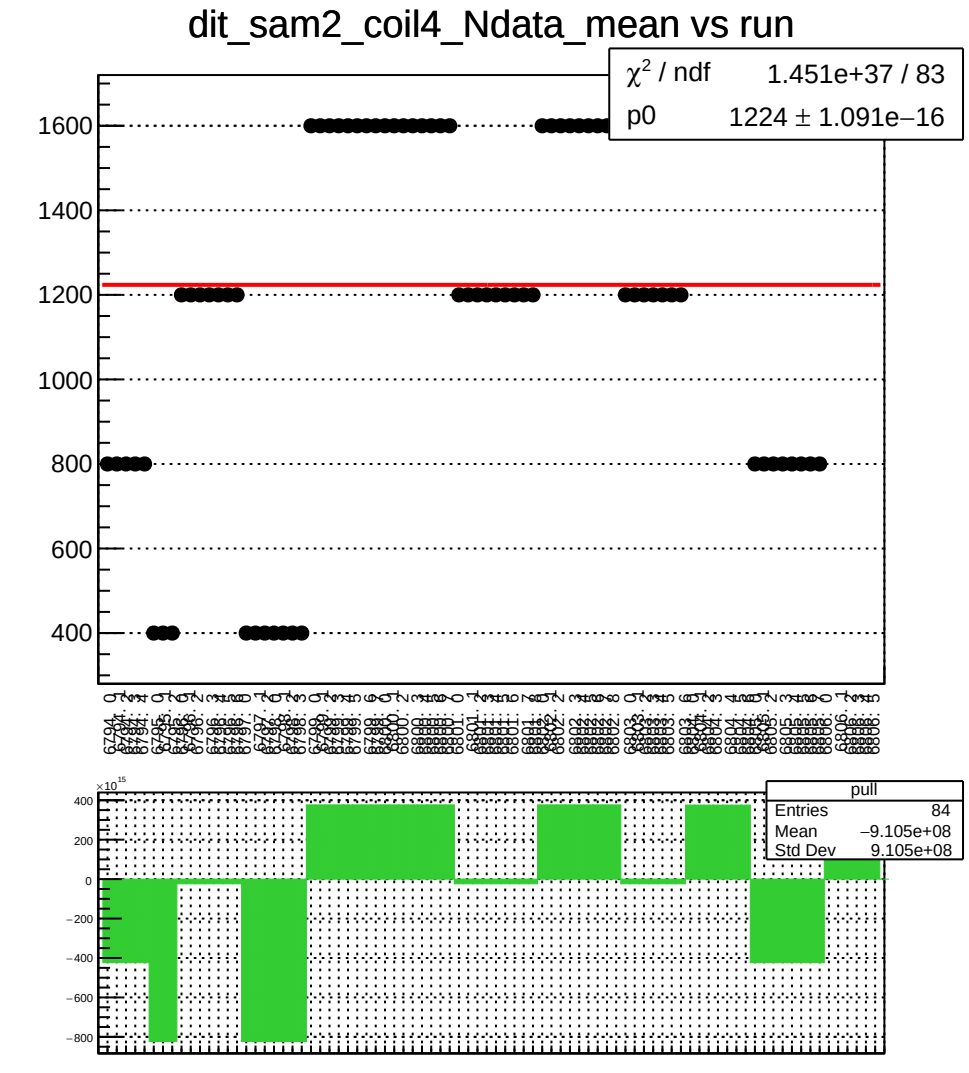

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

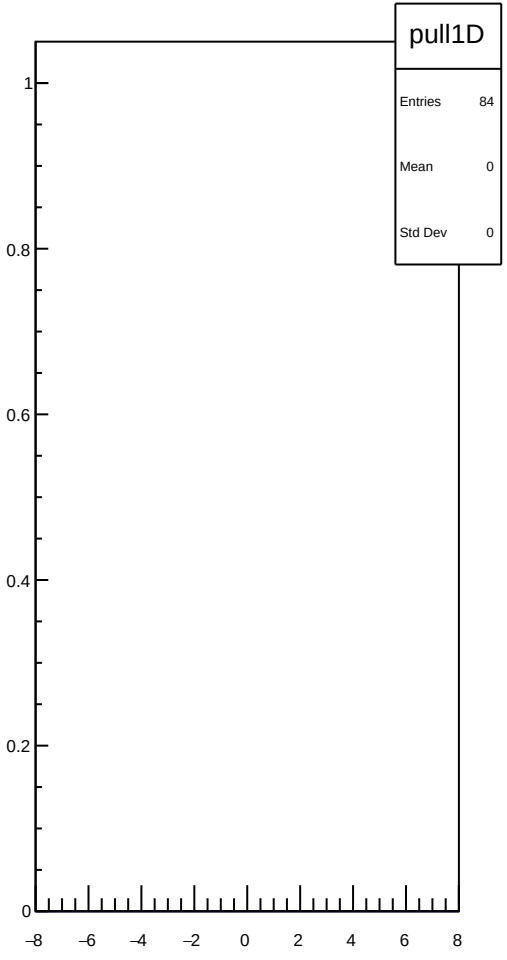

dit_sam2_coil4_mean vs run
χ² / ndf 2.54e+37 / 83
p0 −3.812e+04 ± 1.091e−16
−37000
−37500
−38000
−38500
−39000
pull
Entries 84
Mean 1.527e+10
Std Dev 1.527e+10
×10¹⁵
1000
500
0
−500
−1000

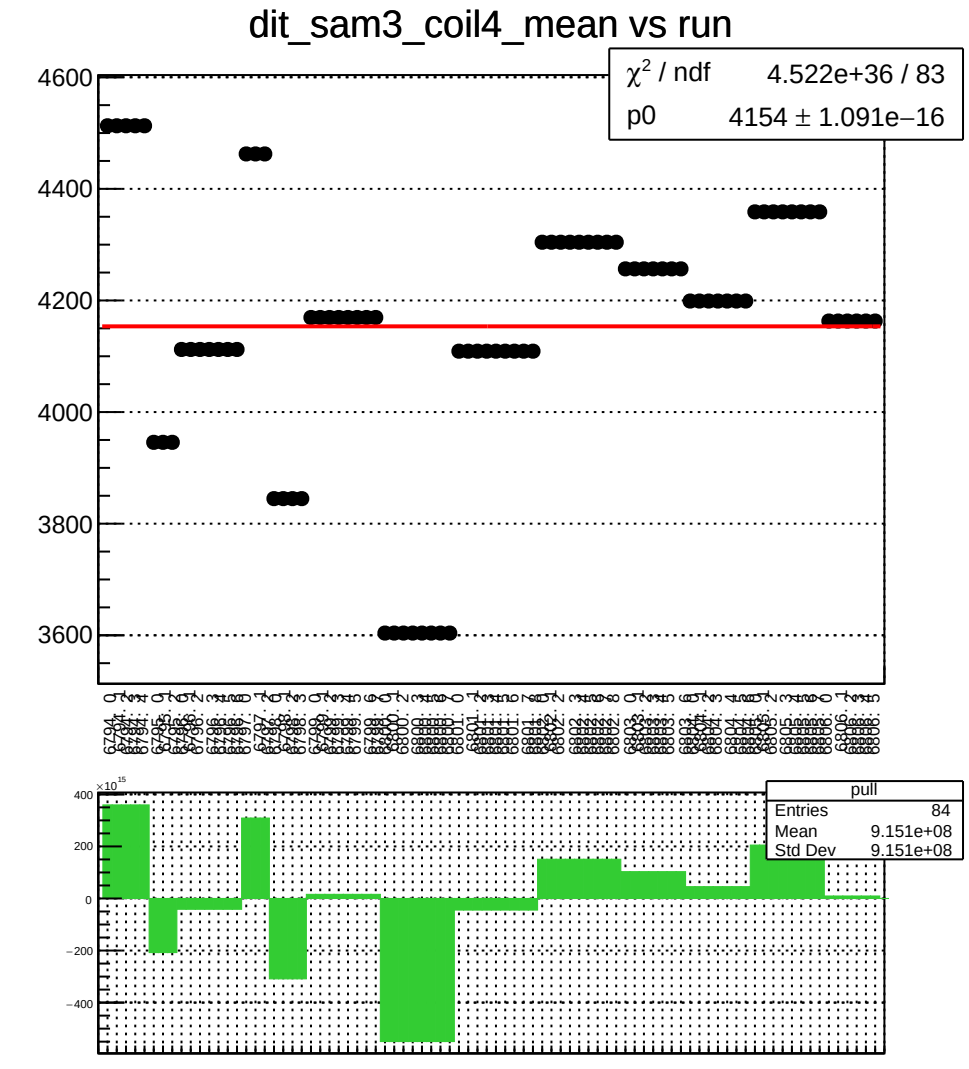

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

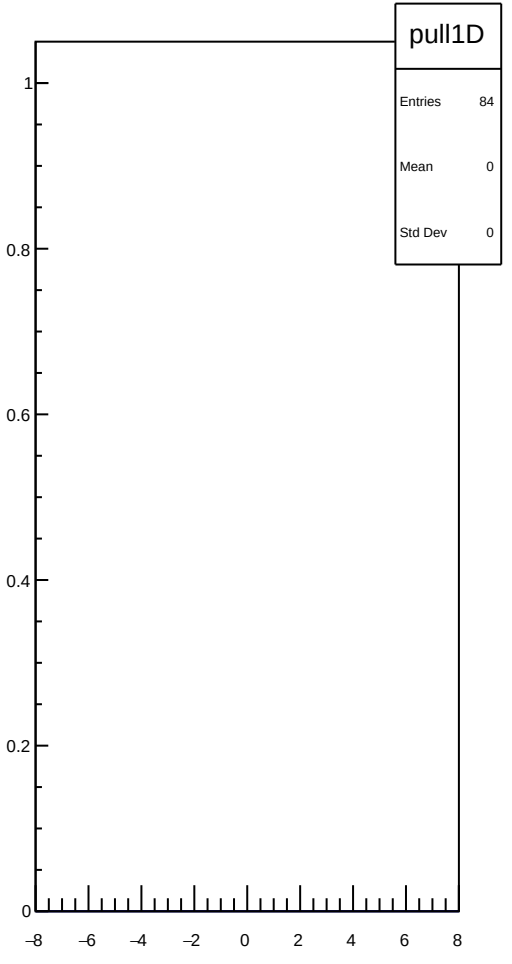

dit_sam2_coil4_err_mean vs run
χ² / ndf 1.328e+36 / 83
p0 784.2 ± 1.091e−16
1000
950
900
850
800
750
700
650
600
pull
Entries 84
Mean 9.377e+08
Std Dev 9.377e+08
×10¹⁵
200
150
100
50
0
−50
−100
−150

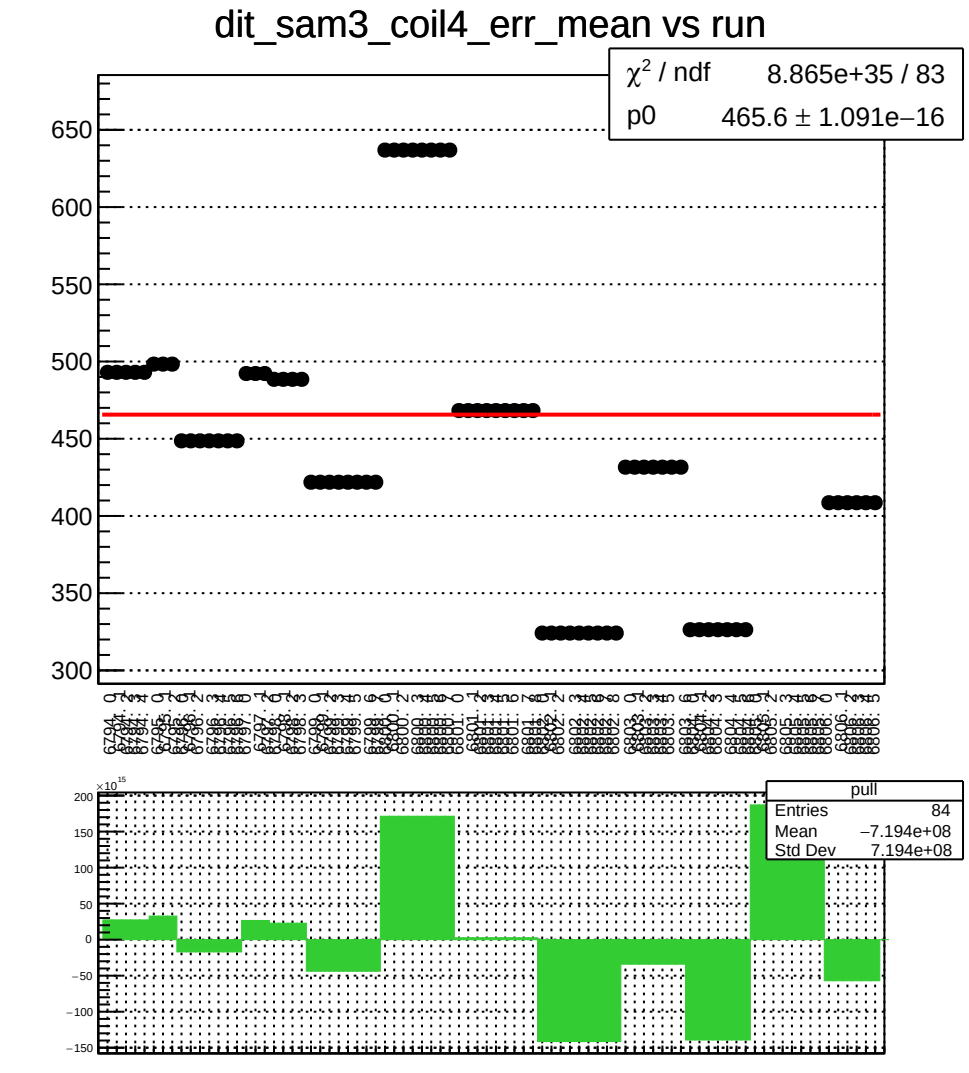

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

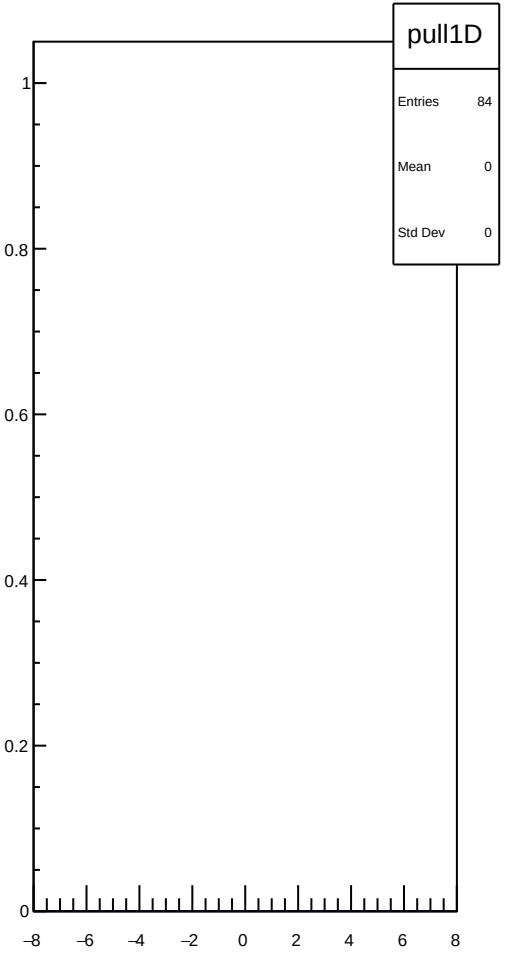

dit_sam2_coil4_Ndata_mean vs run
χ² / ndf 1.451e+37 / 83
p0 1224 ± 1.091e−16
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean −9.105e+08
Std Dev 9.105e+08
×10¹⁵
400
200
0
−200
−400
−600
−800

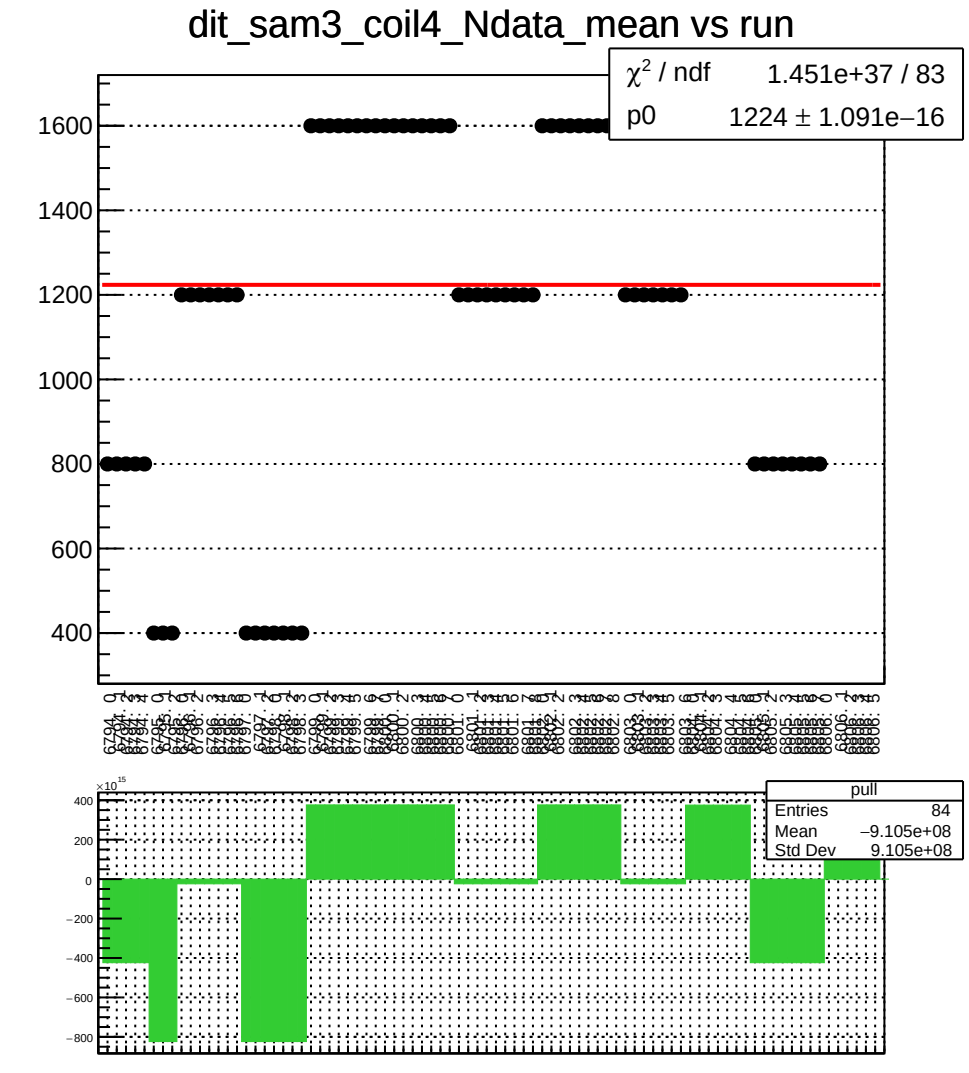

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

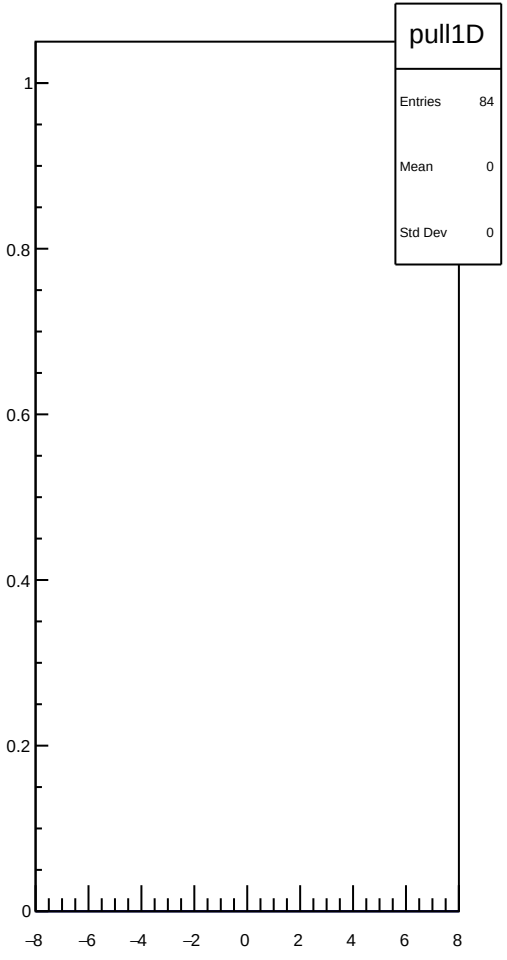

dit_sam3_coil4_mean vs run
χ² / ndf 4.522e+36 / 83
p0 4154 ± 1.091e−16
4600
4400
4200
4000
3800
3600
pull
Entries 84
Mean 9.151e+08
Std Dev 9.151e+08
×10¹⁵
400
200
0
−200
−400

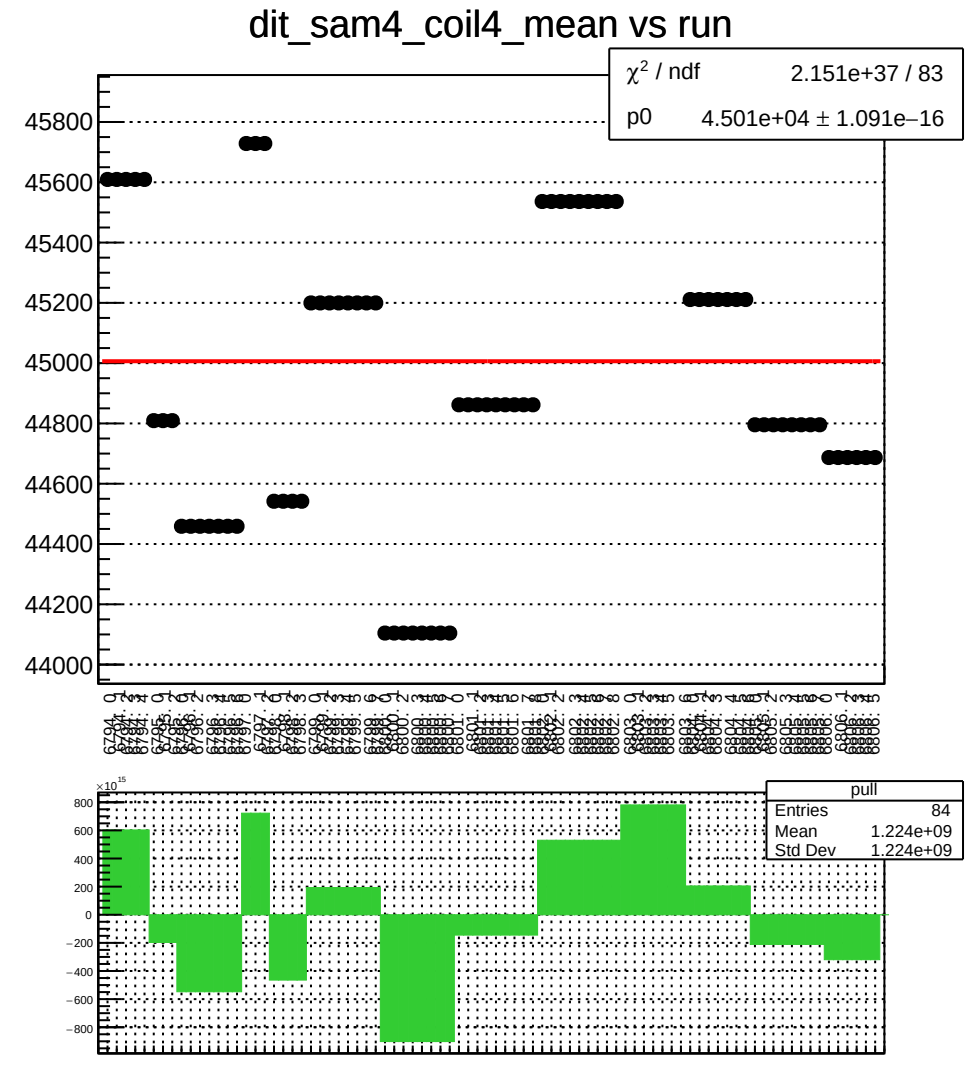

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

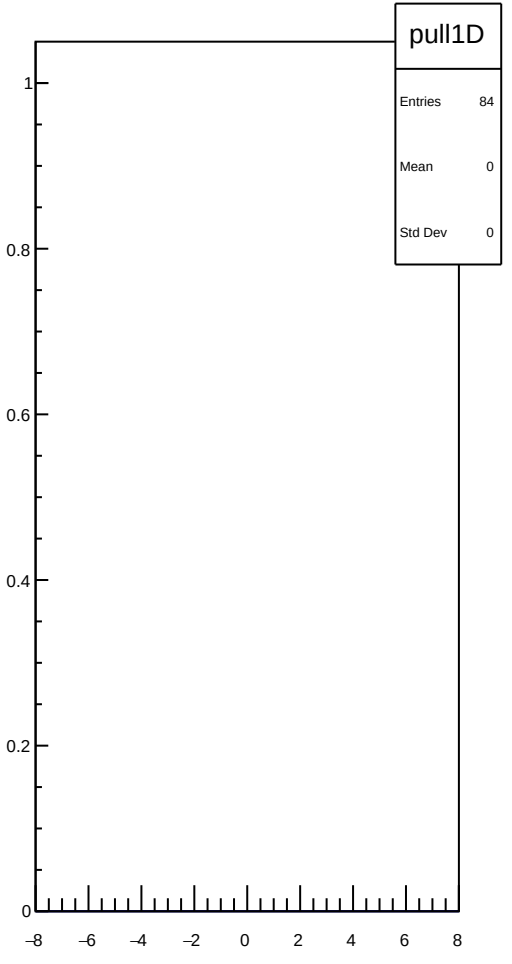

dit_sam3_coil4_err_mean vs run
χ² / ndf 8.865e+35 / 83
p0 465.6 ± 1.091e−16
650
600
550
500
450
400
350
300
pull
Entries 84
Mean −7.194e+08
Std Dev 7.194e+08
×10¹⁵
200
150
100
50
0
−50
−100
−150

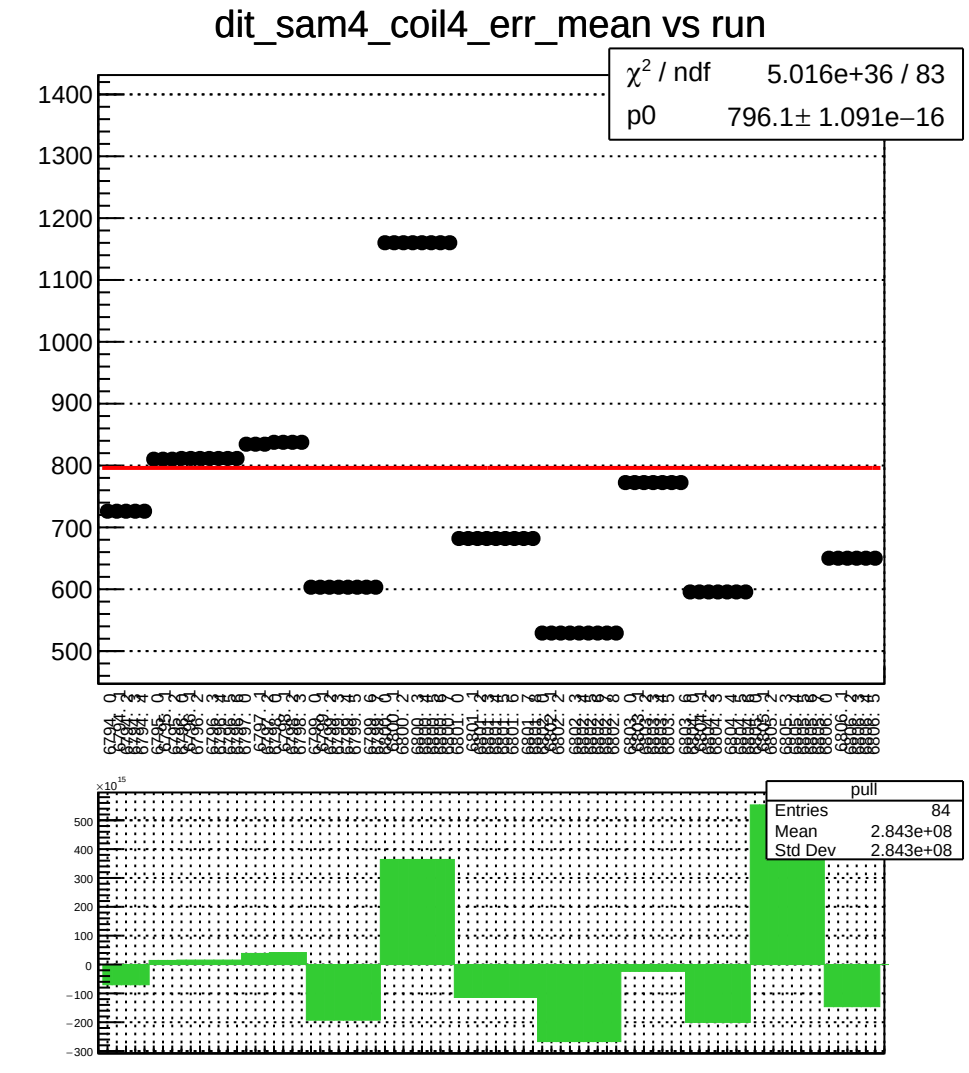

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

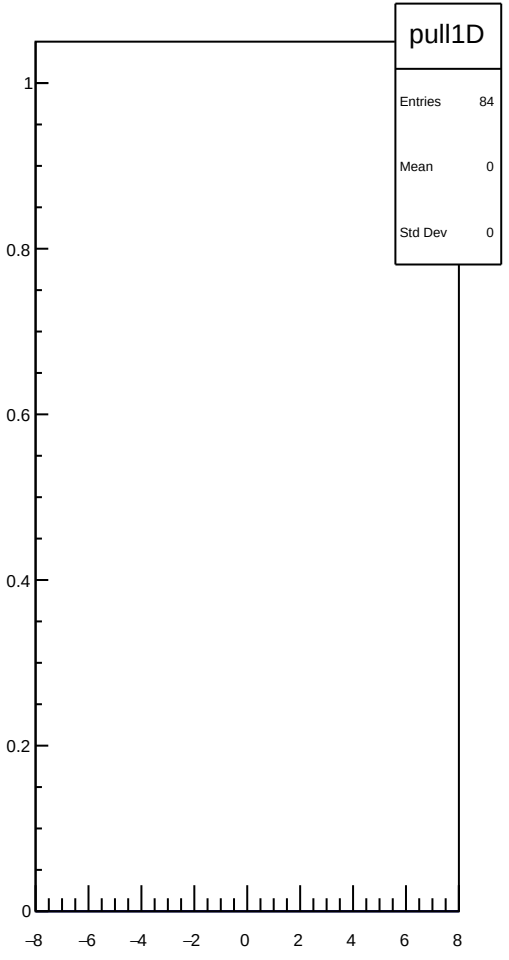

dit_sam3_coil4_Ndata_mean vs run
χ² / ndf 1.451e+37 / 83
p0 1224 ± 1.091e−16
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean −9.105e+08
Std Dev 9.105e+08
×10¹⁵
400
200
0
−200
−400
−600
−800

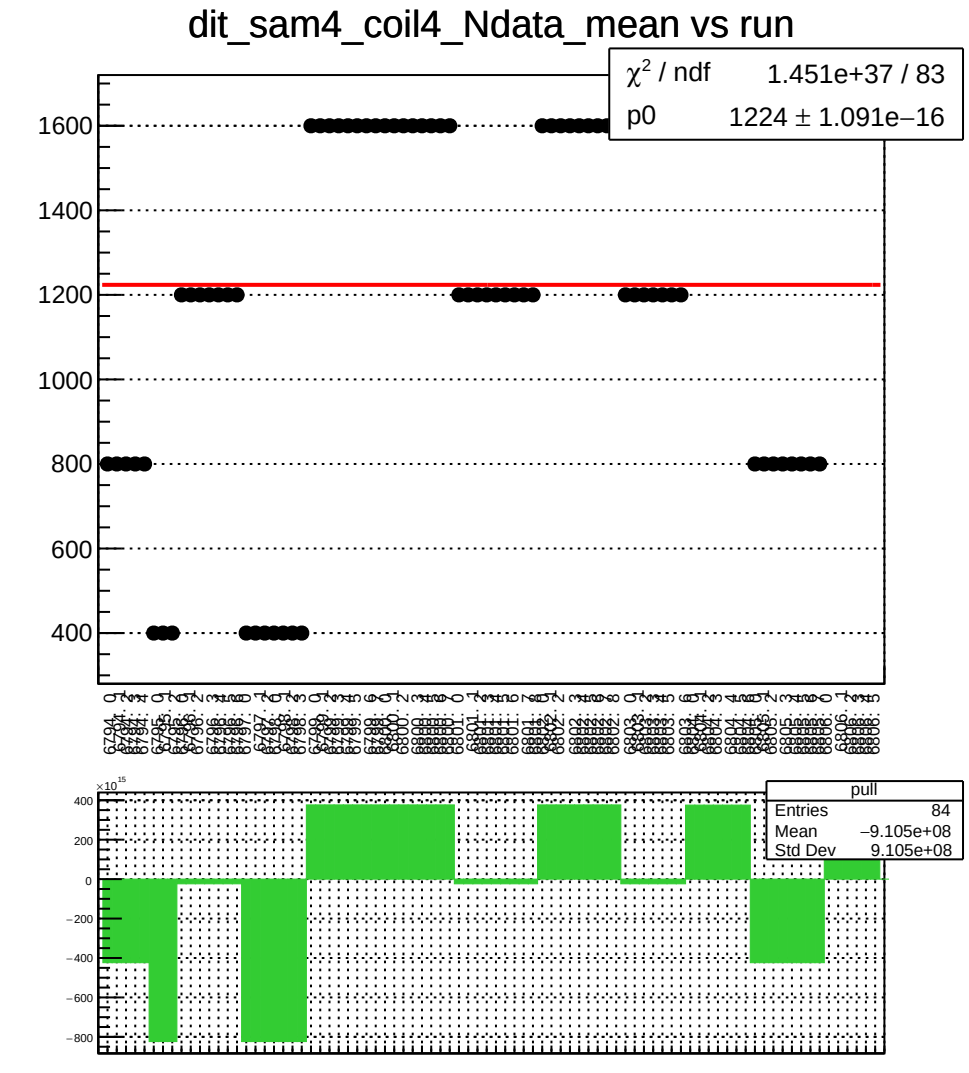

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

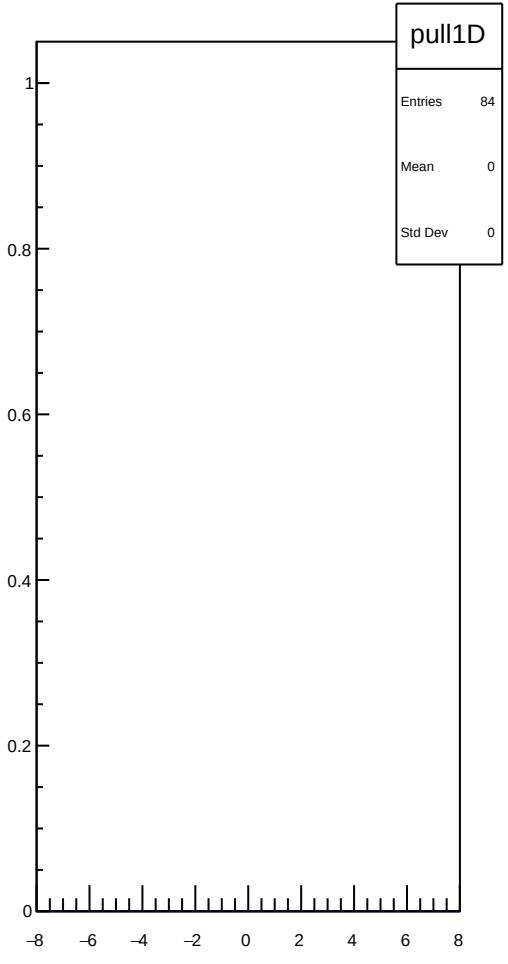

dit_sam4_coil4_mean vs run
χ² / ndf 2.151e+37 / 83
p0 4.501e+04 ± 1.091e−16
45800
45600
45400
45200
45000
44800
44600
44400
44200
44000
pull
Entries 84
Mean 1.224e+09
Std Dev 1.224e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800

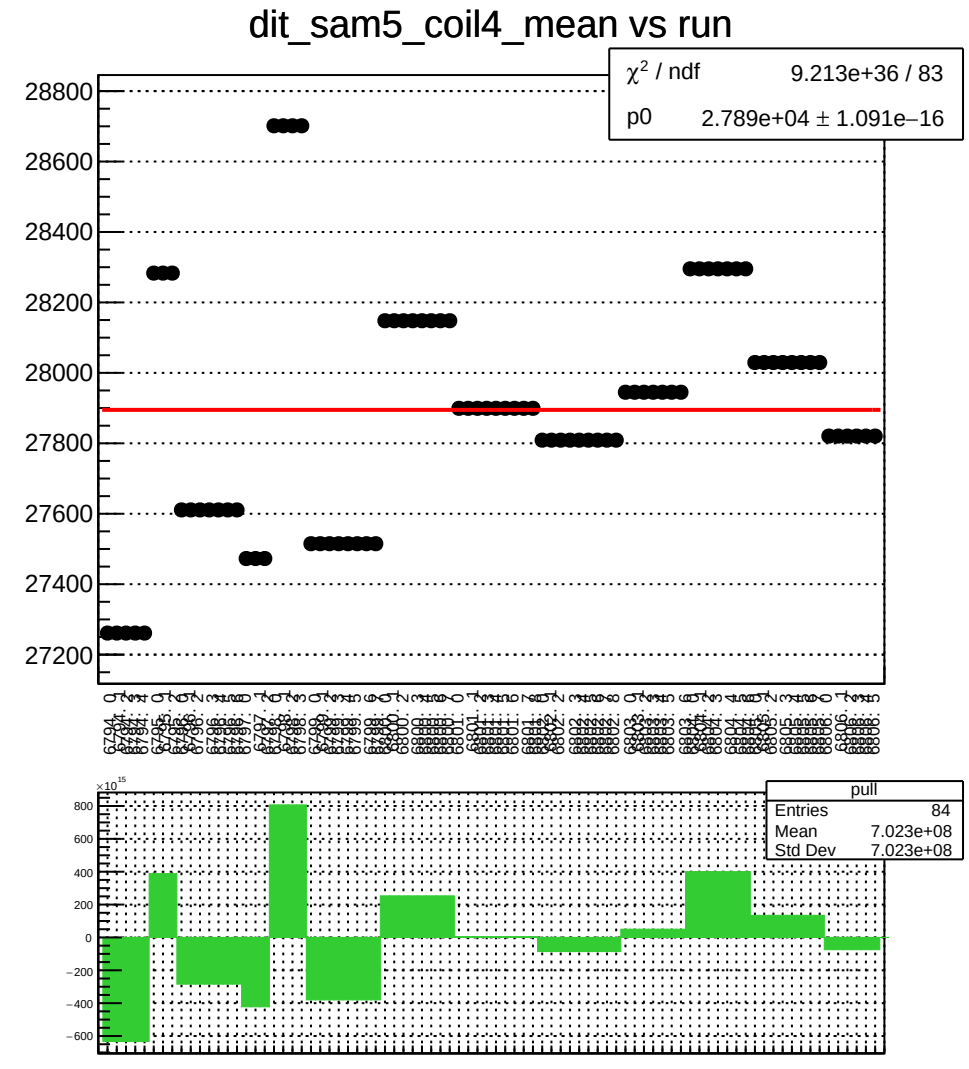

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

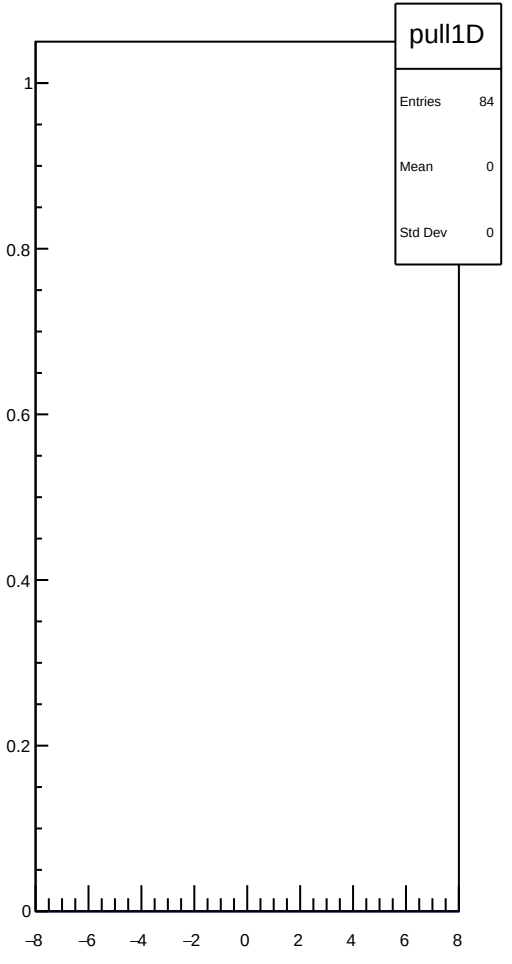

dit_sam4_coil4_err_mean vs run
χ² / ndf 5.016e+36 / 83
p0 796.1± 1.091e−16
pull
Entries 84
Mean 2.843e+08
Std Dev 2.843e+08

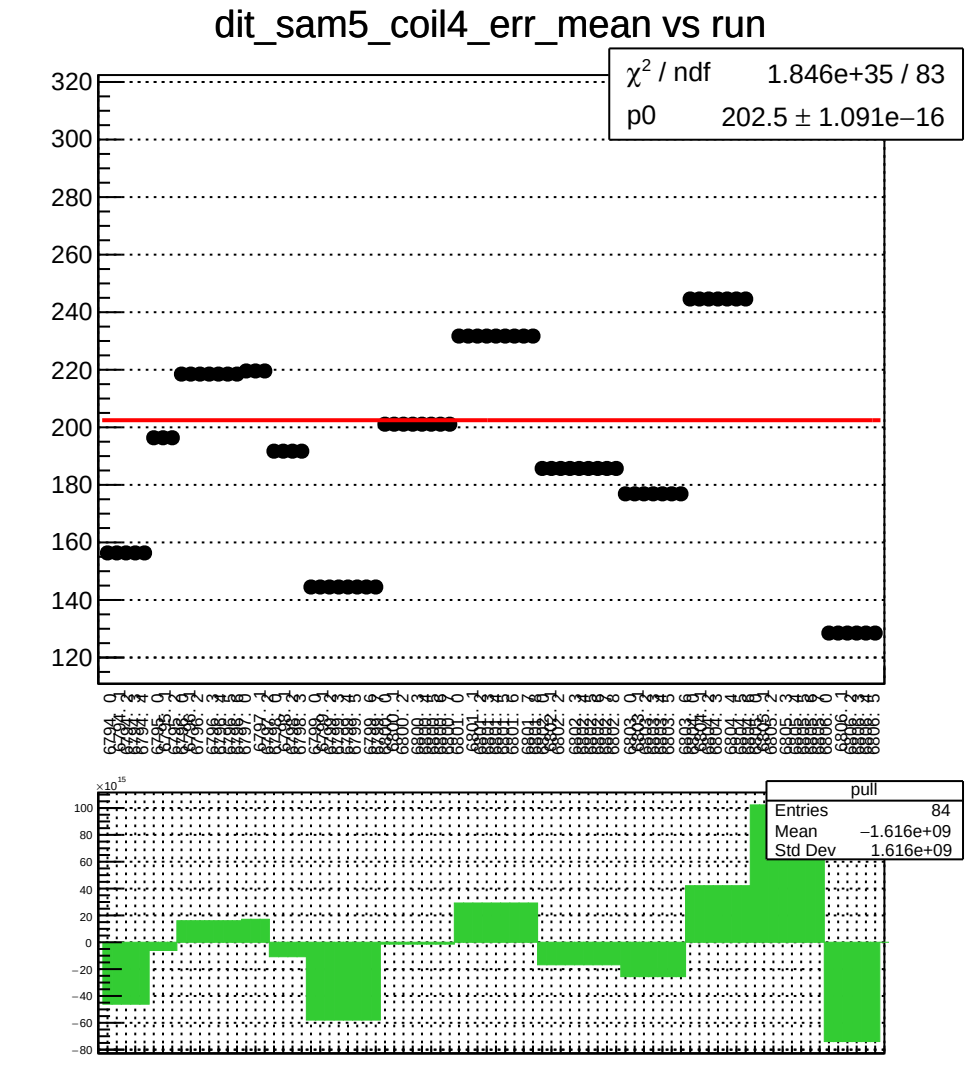

pull1D
Entries 84
Mean 0
Std Dev 0

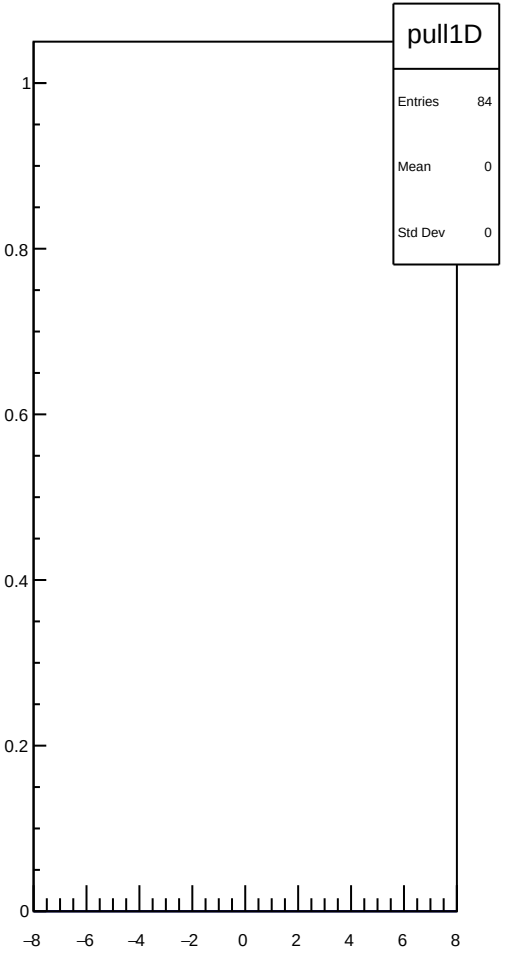

dit_sam4_coil4_Ndata_mean vs run
χ² / ndf 1.451e+37 / 83
p0 1224 ± 1.091e−16
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean −9.105e+08
Std Dev 9.105e+08
×10¹⁵
400
200
0
−200
−400
−600
−800

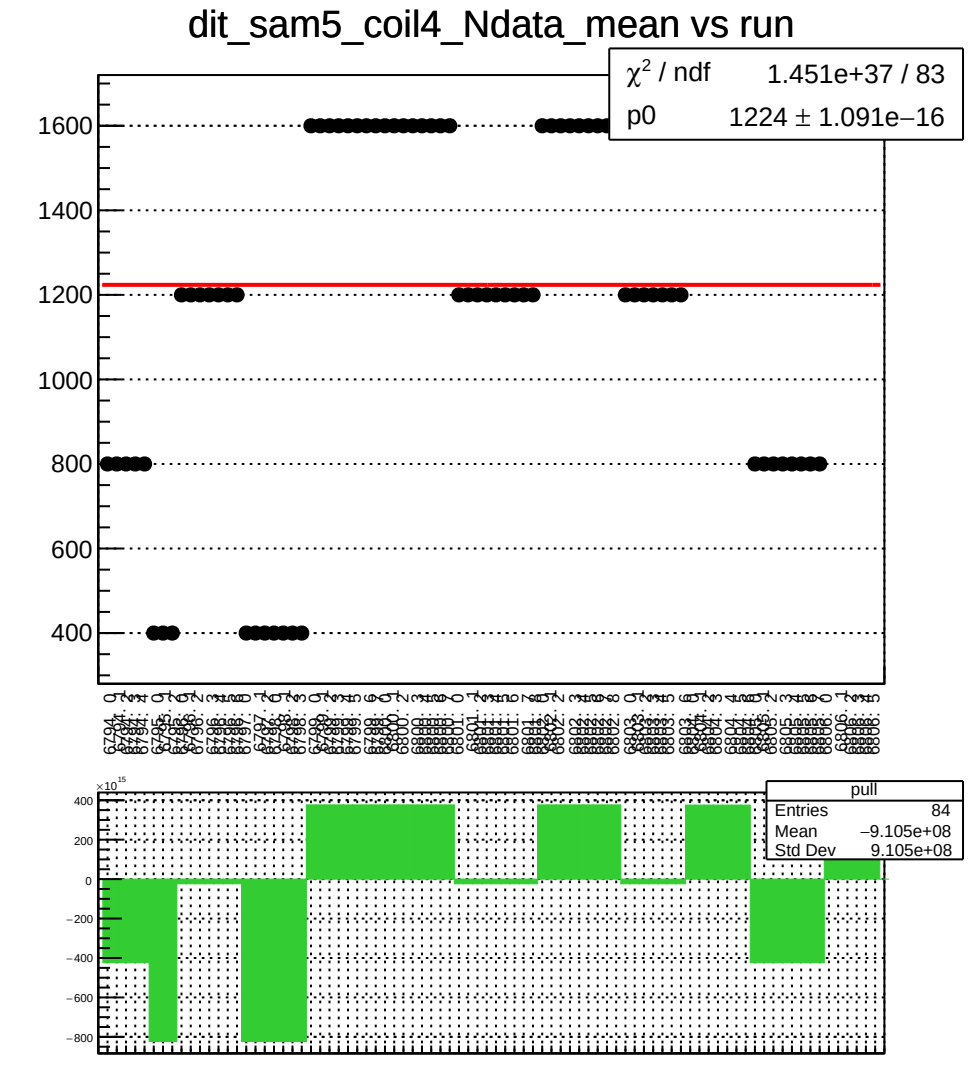

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

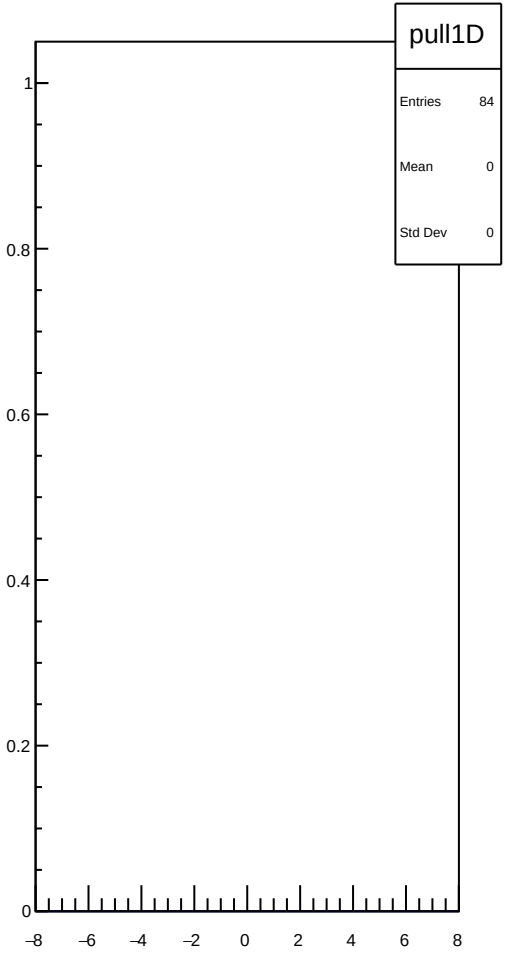

dit_sam5_coil4_mean vs run
χ² / ndf 9.213e+36 / 83
p0 2.789e+04 ± 1.091e−16
28800
28600
28400
28200
28000
27800
27600
27400
27200
pull
Entries 84
Mean 7.023e+08
Std Dev 7.023e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600

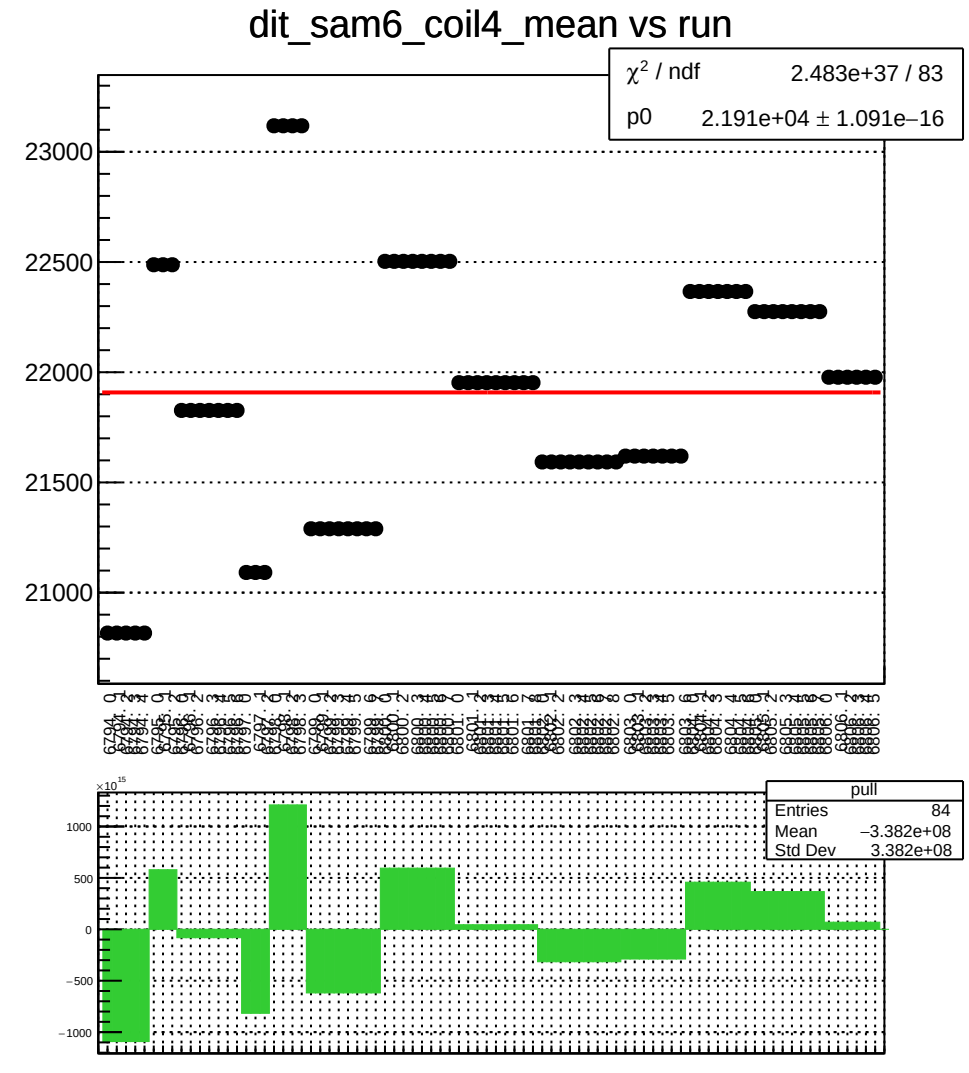

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

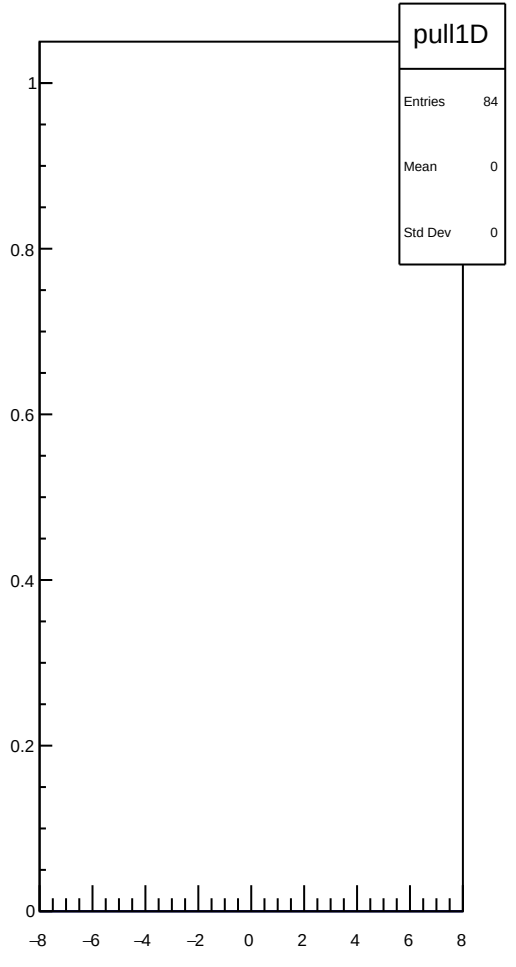

dit_sam5_coil4_err_mean vs run
χ² / ndf 1.846e+35 / 83
p0 202.5 ± 1.091e−16
pull
Entries 84
Mean −1.616e+09
Std Dev 1.616e+09

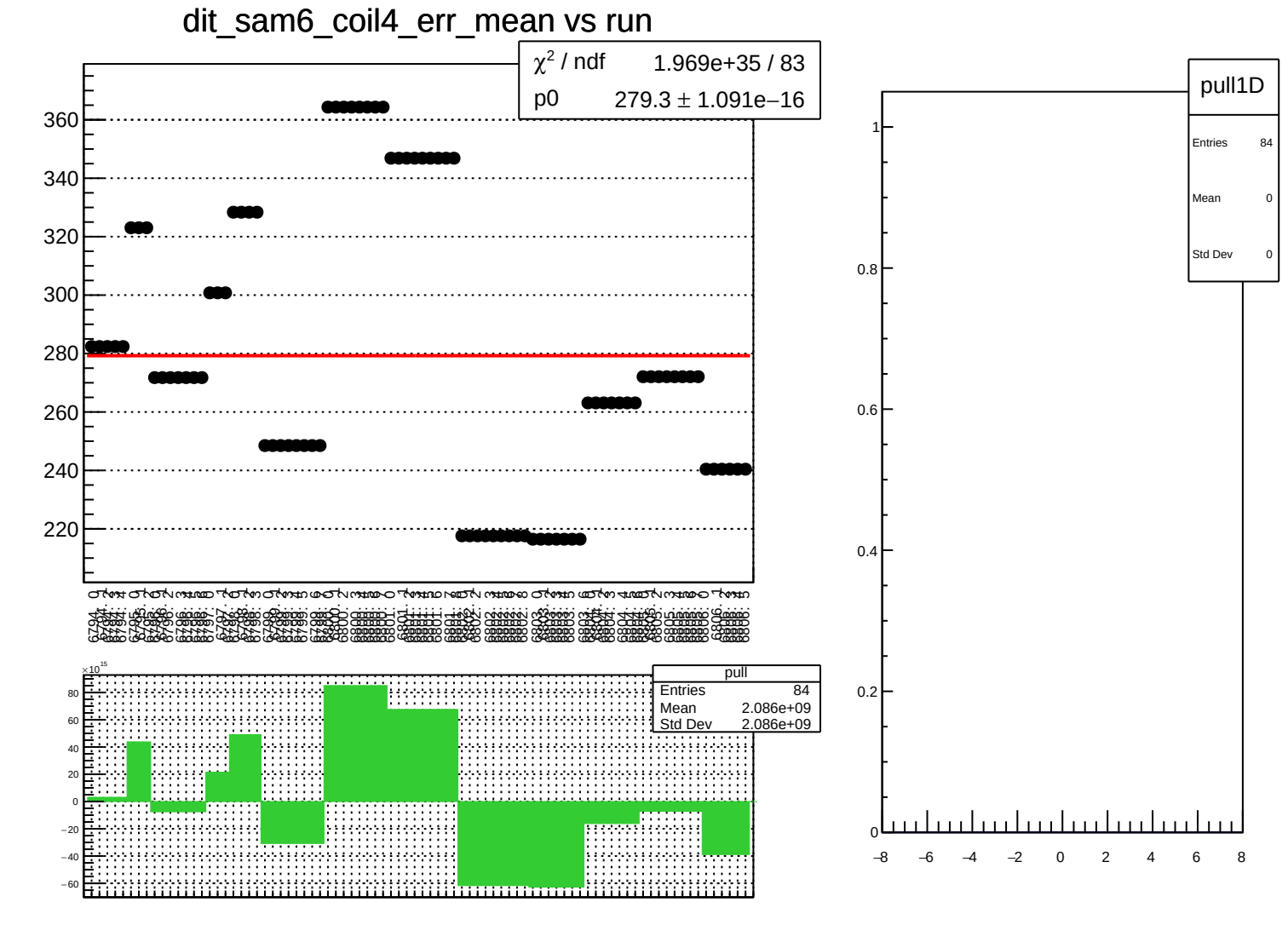

pull1D
Entries 84
Mean 0
Std Dev 0

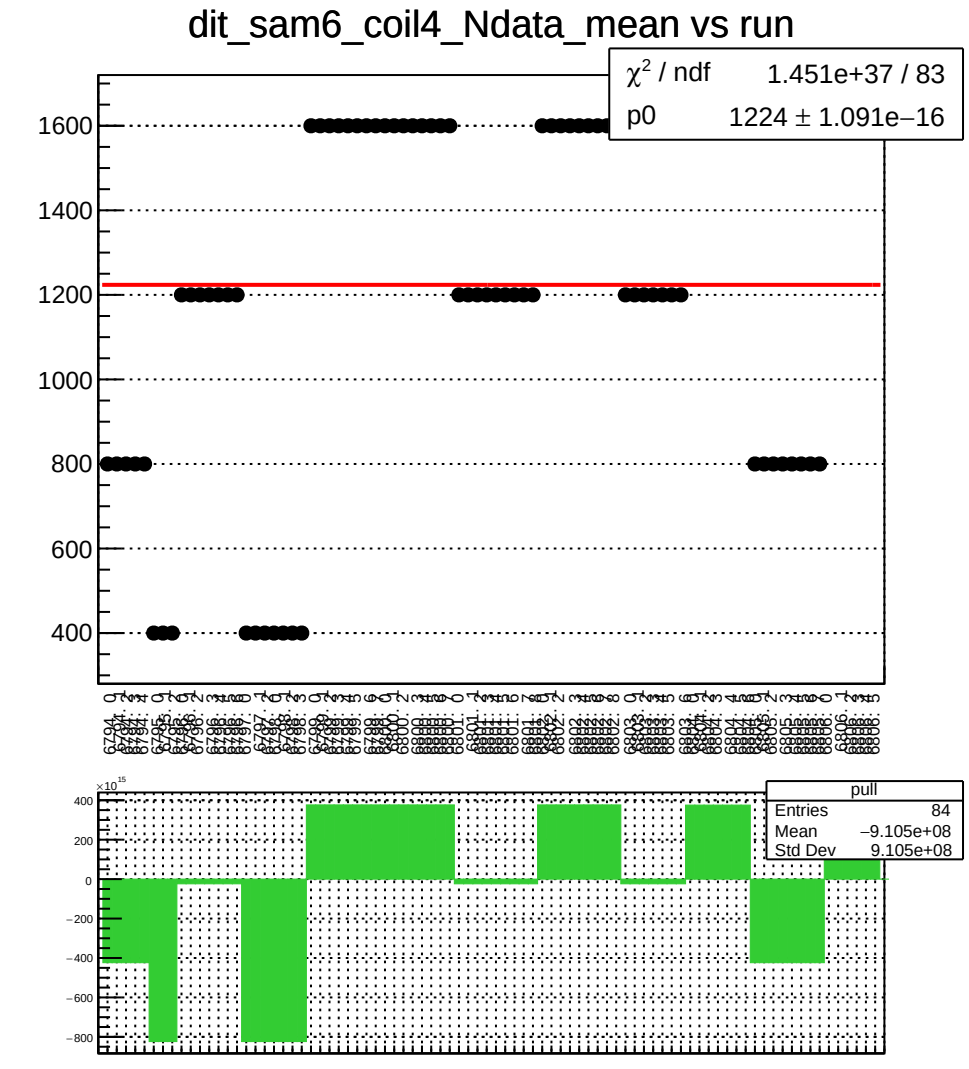

dit_sam5_coil4_Ndata_mean vs run
χ² / ndf 1.451e+37 / 83
p0 1224 ± 1.091e−16
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean −9.105e+08
Std Dev 9.105e+08
×10¹⁵
400
200
0
−200
−400
−600
−800

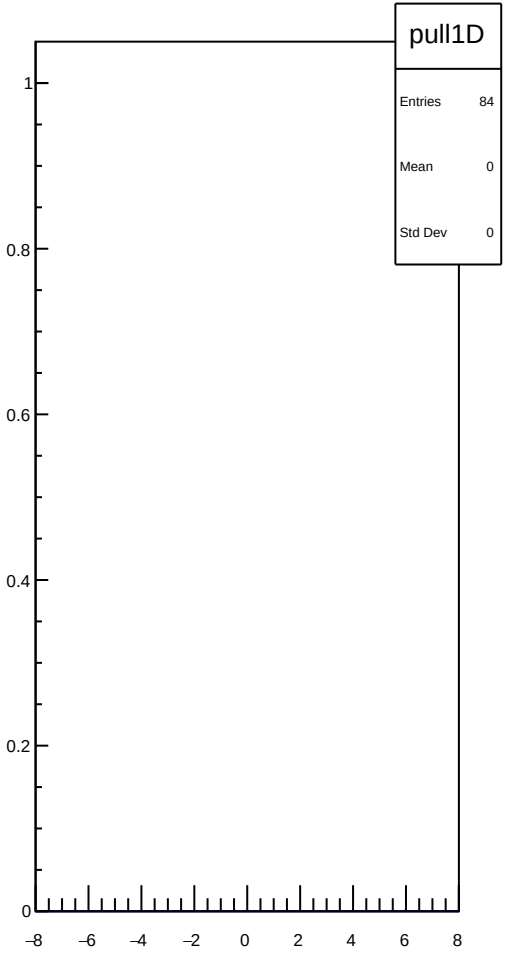

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

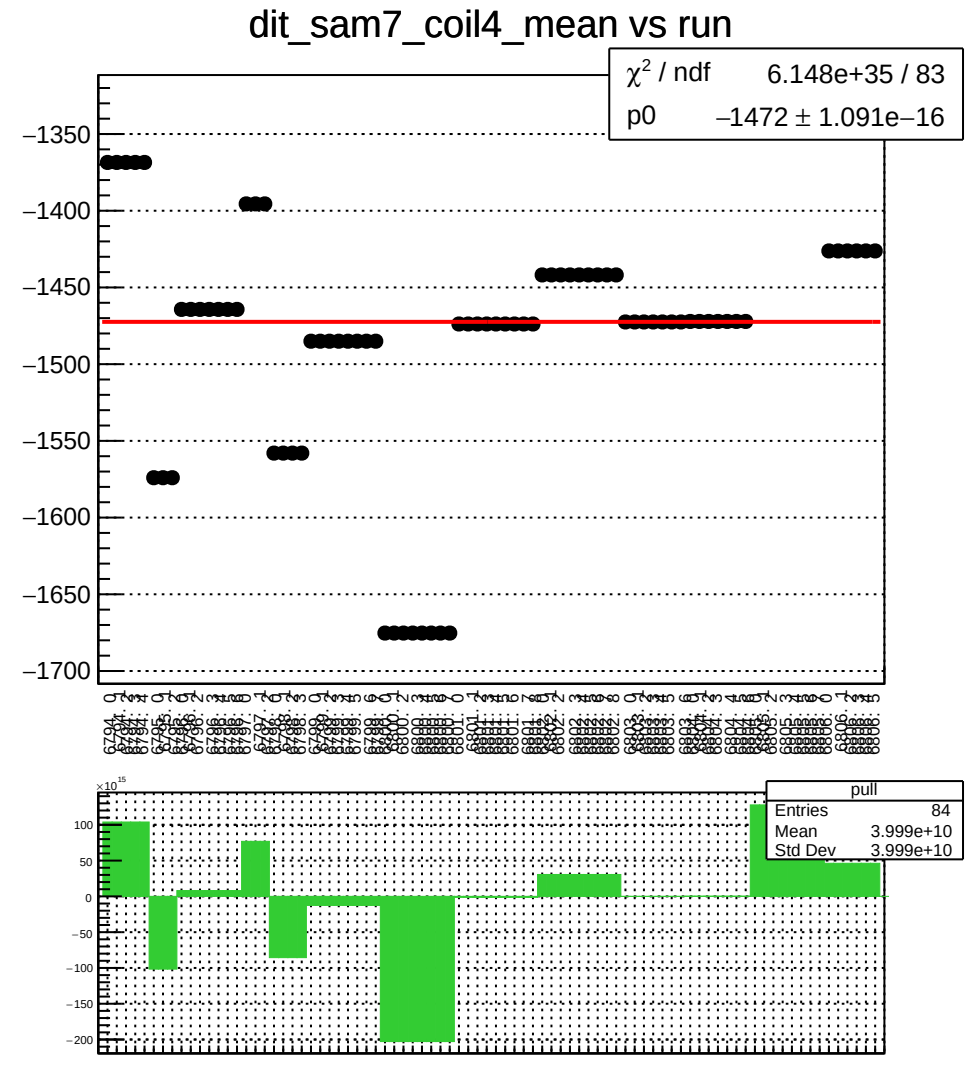

dit_sam6_coil4_mean vs run
χ² / ndf 2.483e+37 / 83
p0 2.191e+04 ± 1.091e−16
23000
22500
22000
21500
21000
pull
Entries 84
Mean −3.382e+08
Std Dev 3.382e+08
×10¹⁵
1000
500
0
−500
−1000

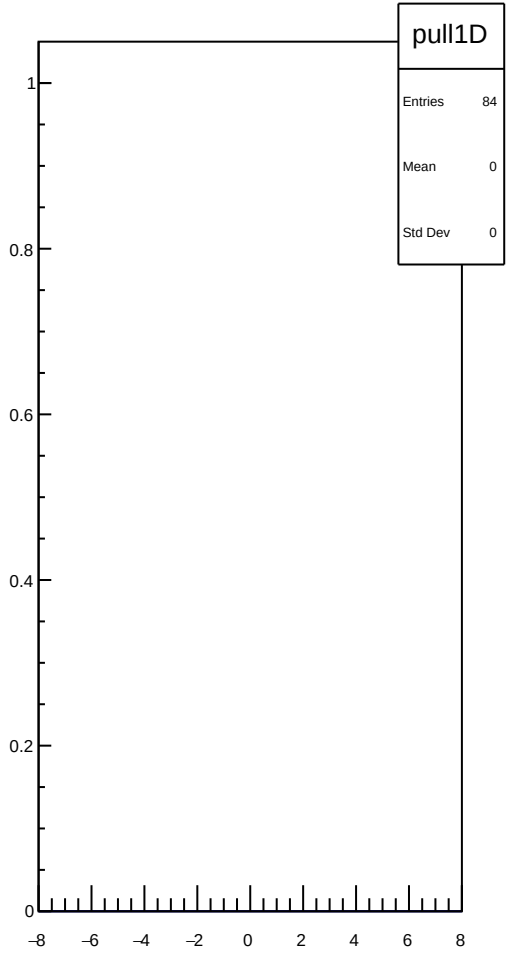

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

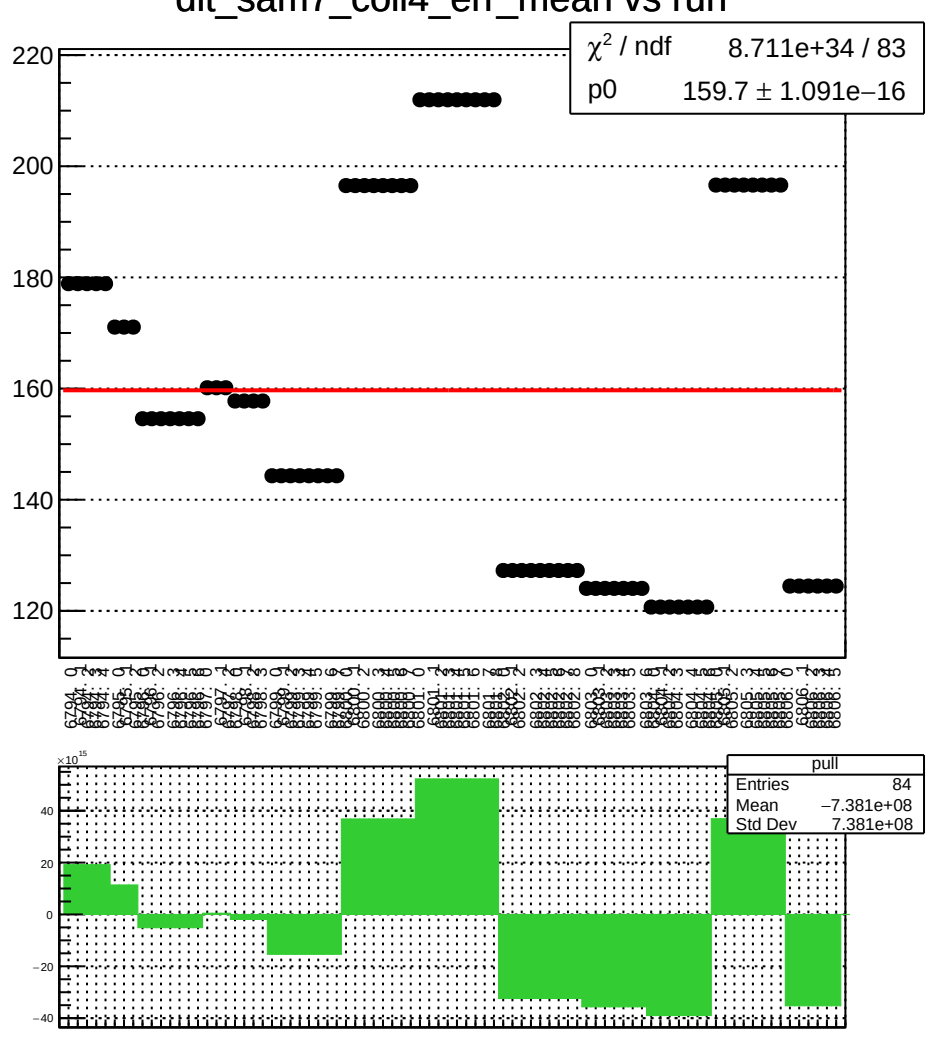

dit_sam6_coil4_err_mean vs run
χ² / ndf 1.969e+35 / 83
p0 279.3 ± 1.091e−16
pull
Entries 84
Mean 2.086e+09
Std Dev 2.086e+09
pull1D
Entries 84
Mean 0
Std Dev 0

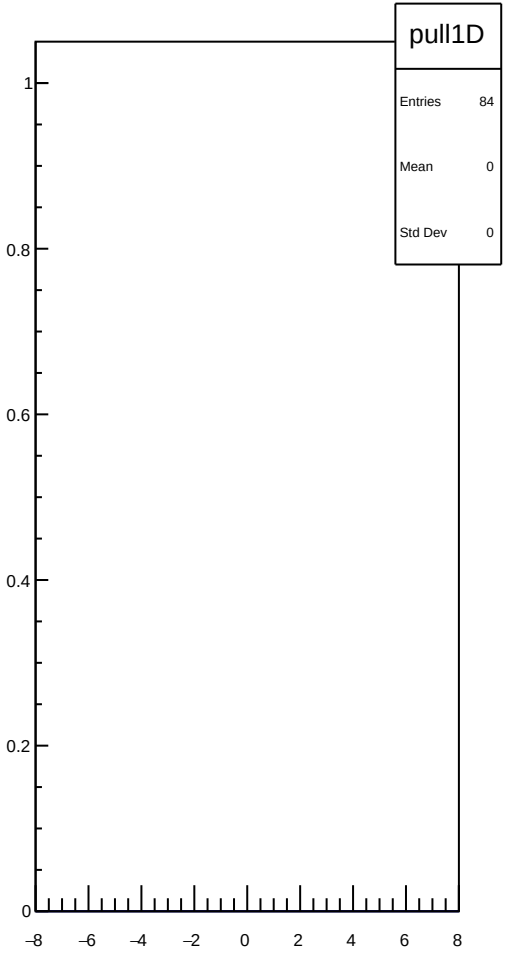

dit_sam6_coil4_Ndata_mean vs run
χ² / ndf 1.451e+37 / 83
p0 1224 ± 1.091e−16
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean −9.105e+08
Std Dev 9.105e+08
×10¹⁵
400
200
0
−200
−400
−600
−800

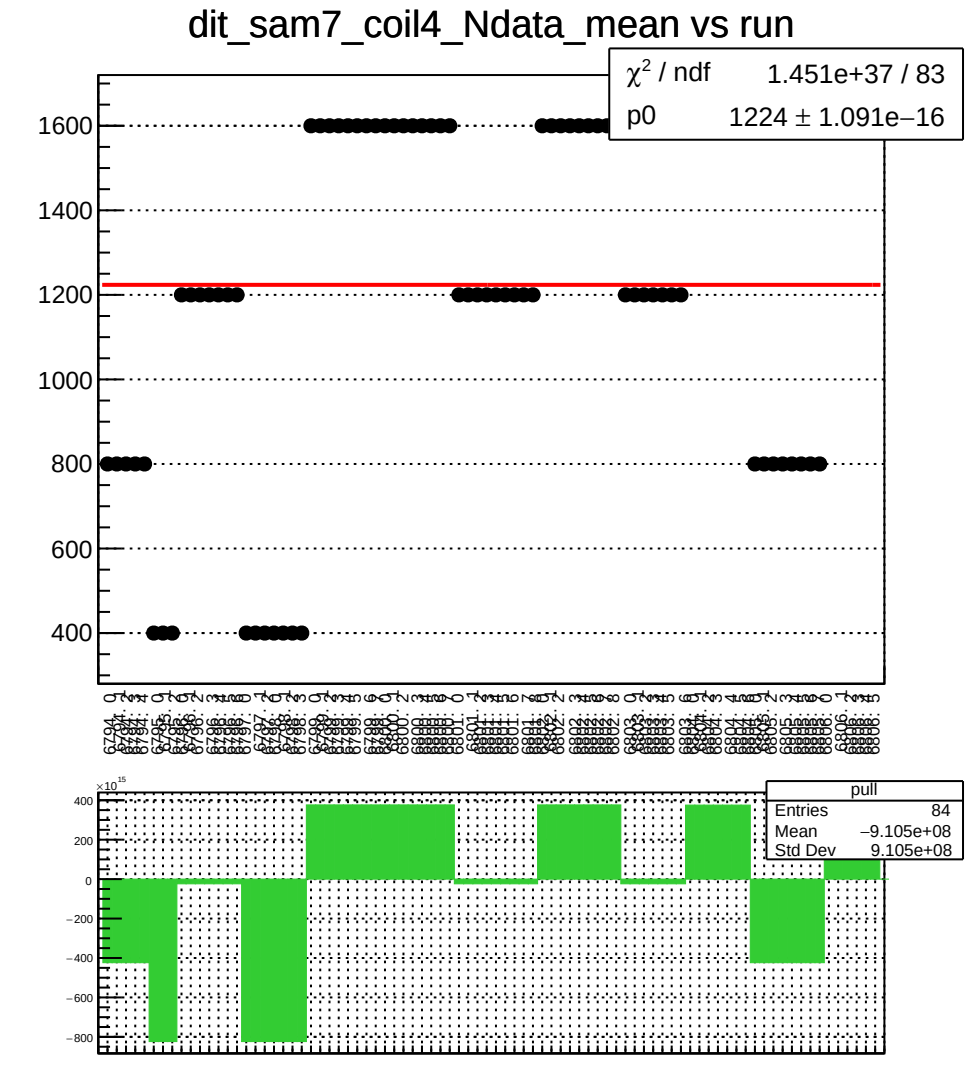

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

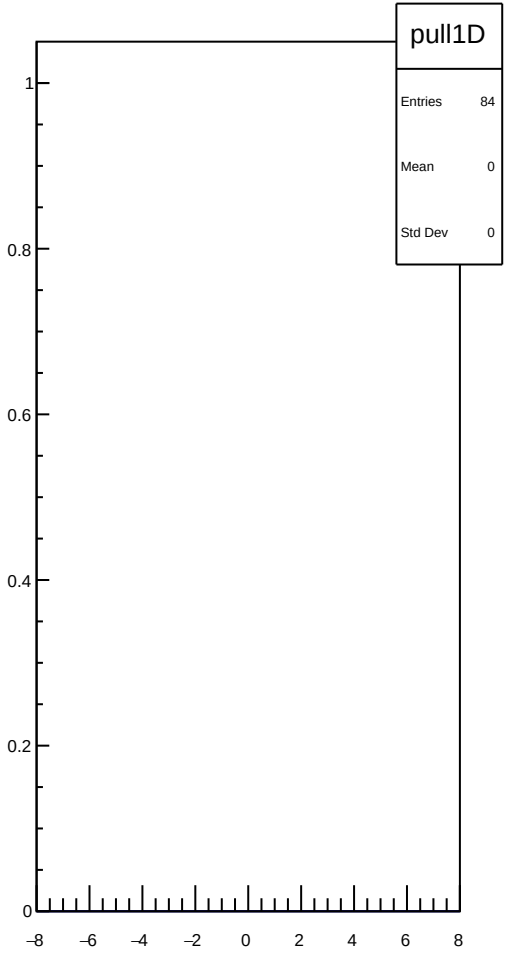

dit_sam7_coil4_mean vs run
χ² / ndf 6.148e+35 / 83
p0 −1472 ± 1.091e−16
−1350
−1400
−1450
−1500
−1550
−1600
−1650
−1700
pull
Entries 84
Mean 3.999e+10
Std Dev 3.999e+10
×10¹⁵
100
50
0
−50
−100
−150
−200

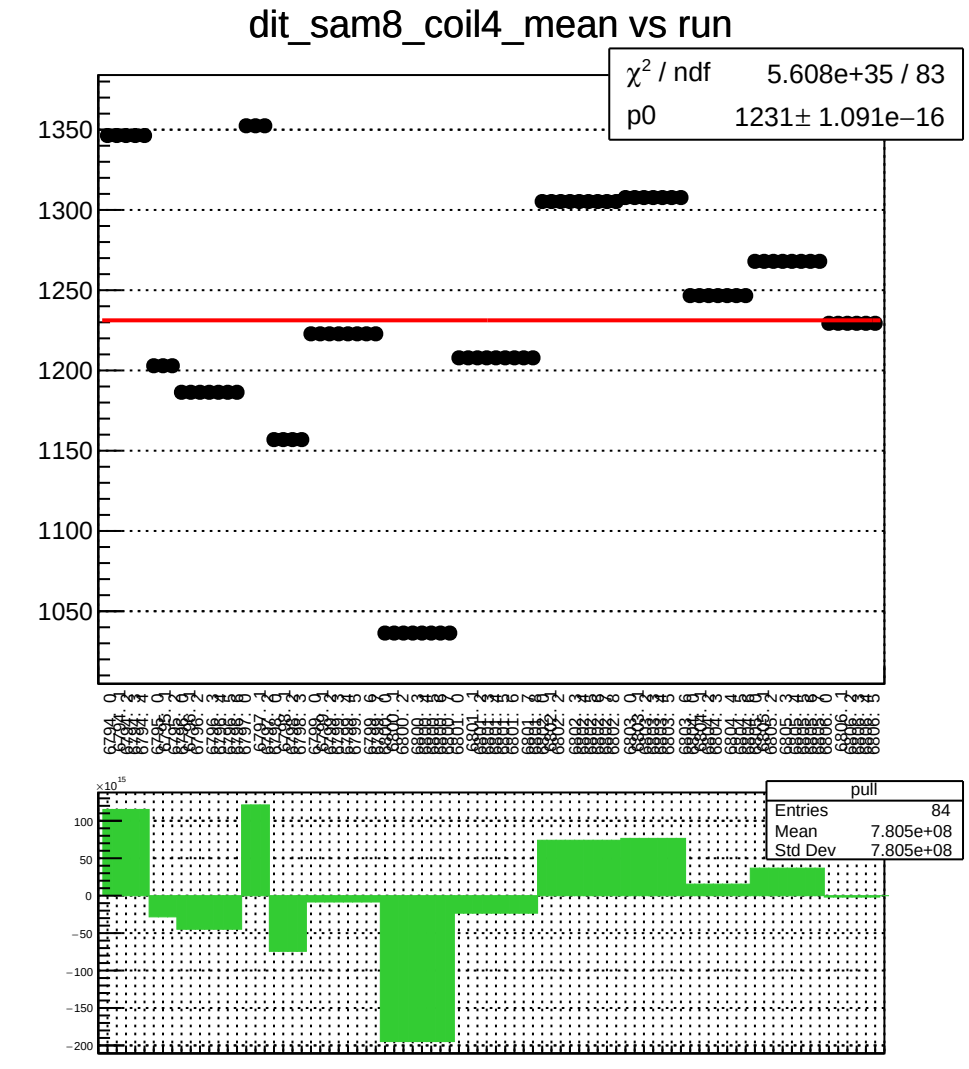

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

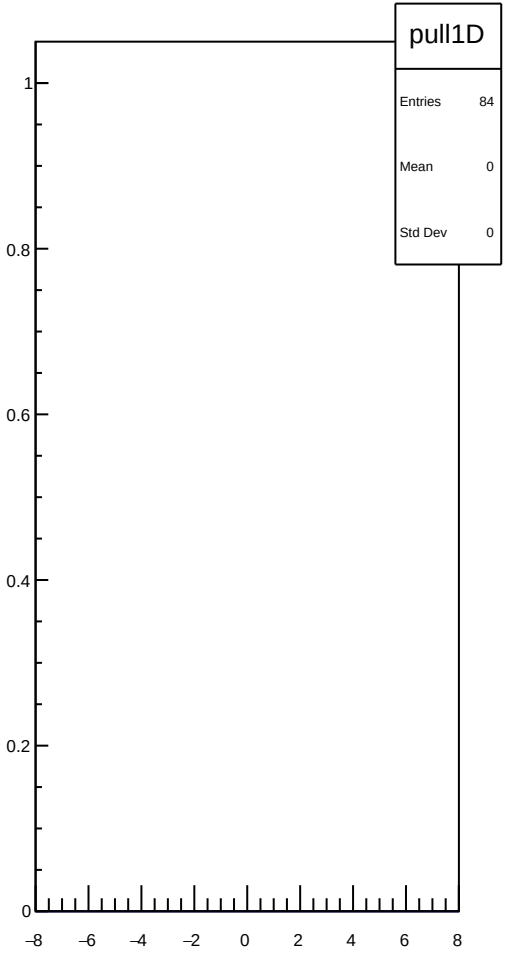

dit_sam7_coil4_err_mean vs run
χ² / ndf 8.711e+34 / 83
p0 159.7 ± 1.091e−16
220
200
180
160
140
120
pull
Entries 84
Mean −7.381e+08
Std Dev 7.381e+08
×10¹⁵
40
20
0
−20
−40

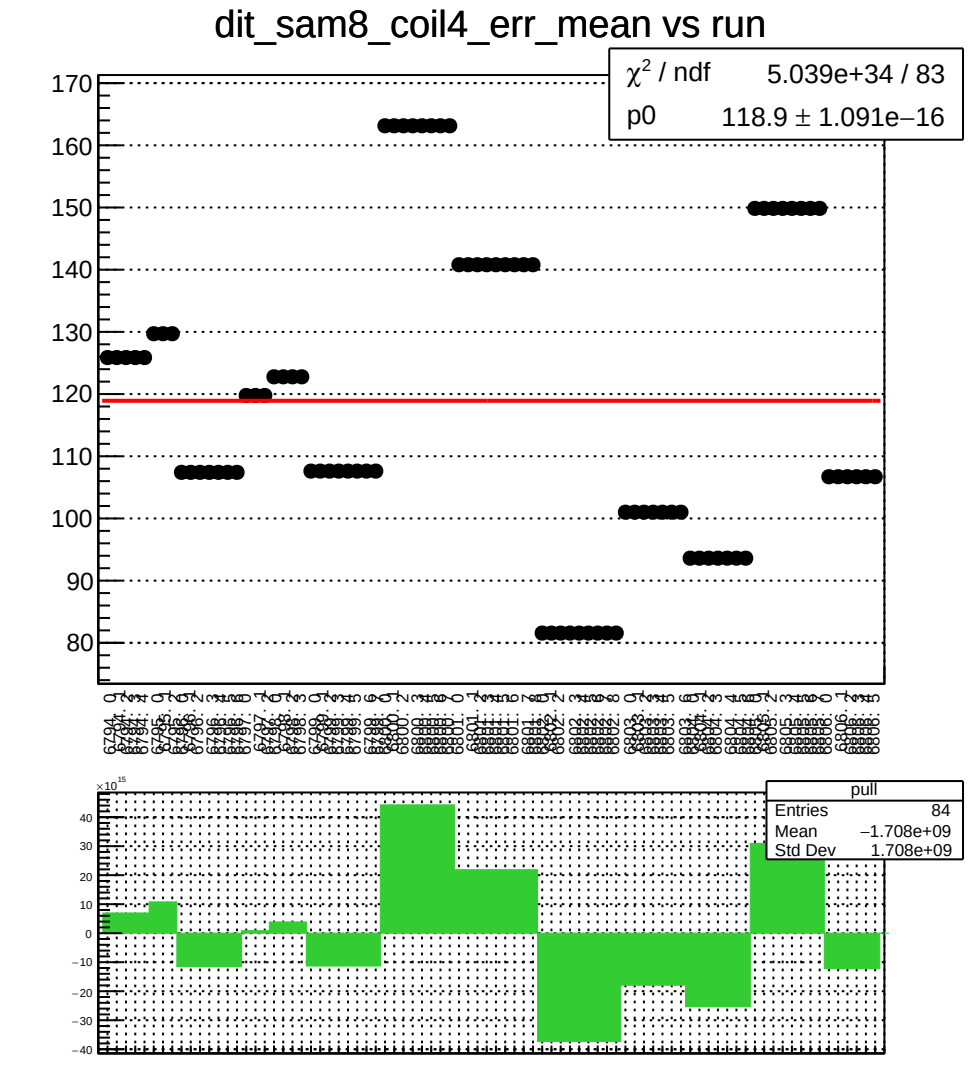

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

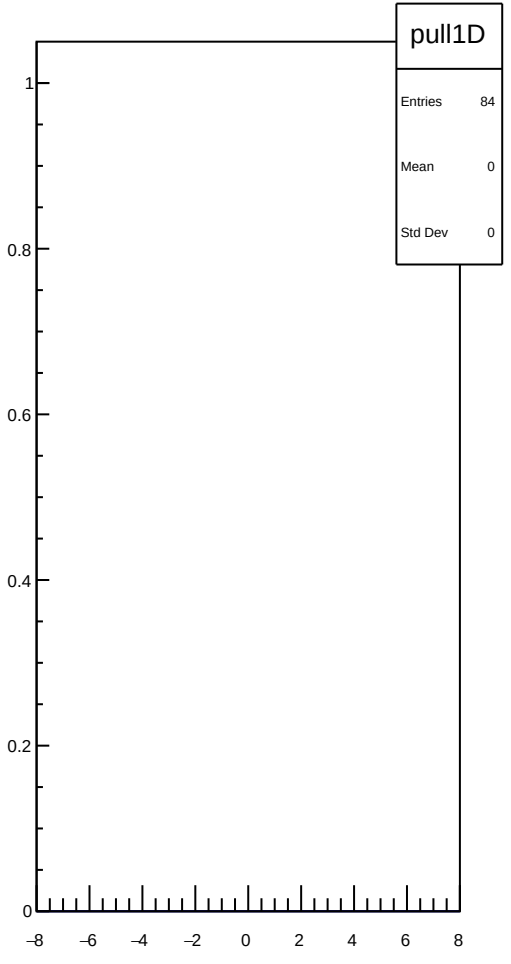

dit_sam7_coil4_Ndata_mean vs run
χ² / ndf 1.451e+37 / 83
p0 1224 ± 1.091e−16
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean −9.105e+08
Std Dev 9.105e+08
×10¹⁵
400
200
0
−200
−400
−600
−800

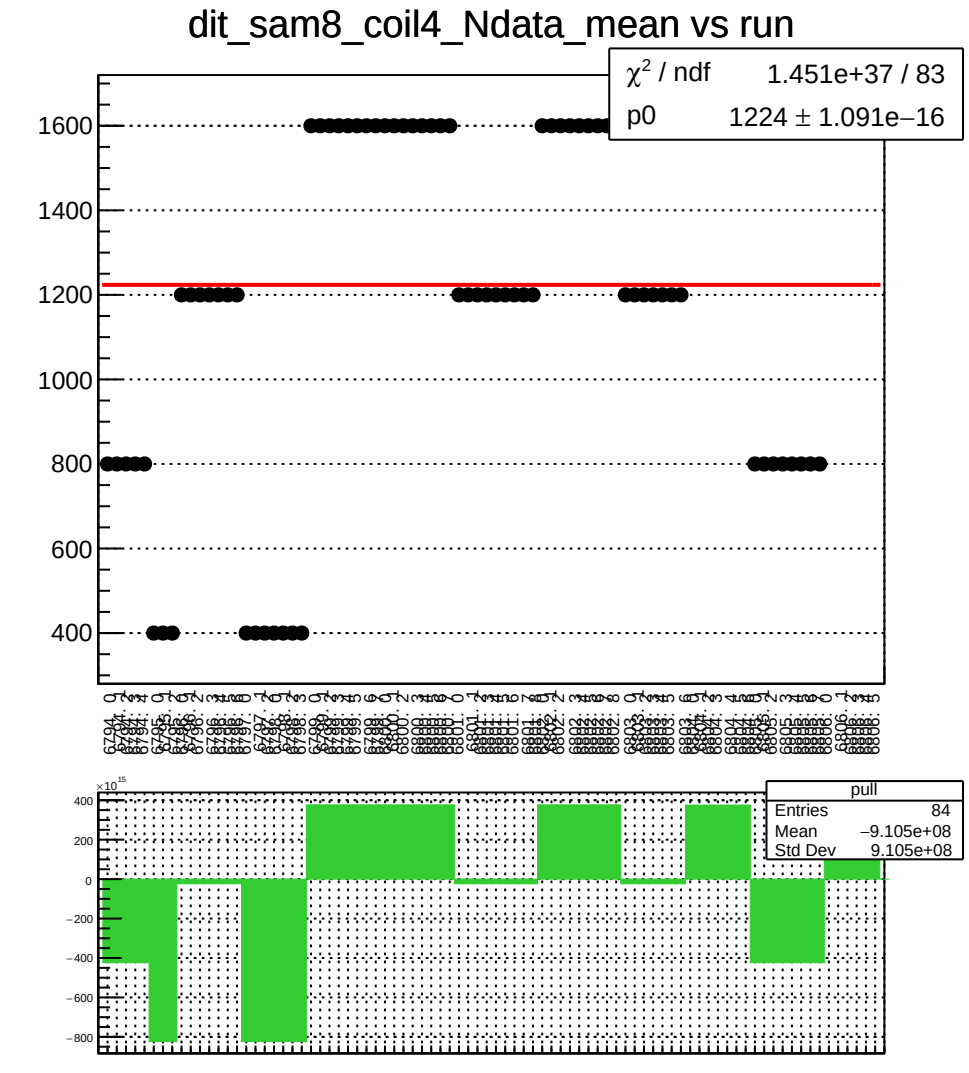

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

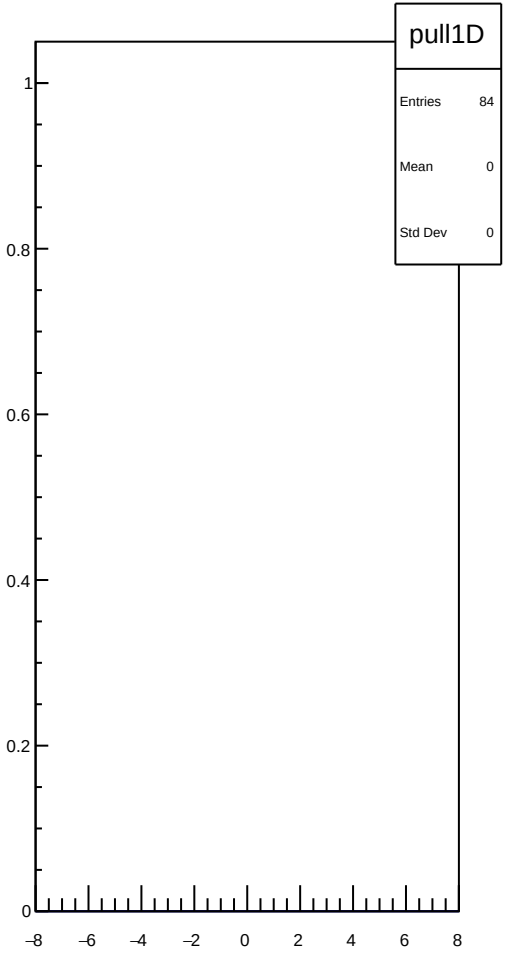

dit_sam8_coil4_mean vs run
χ² / ndf 5.608e+35 / 83
p0 1231± 1.091e−16
1350
1300
1250
1200
1150
1100
1050
pull
Entries 84
Mean 7.805e+08
Std Dev 7.805e+08
×10¹⁵
100
50
0
−50
−100
−150
−200

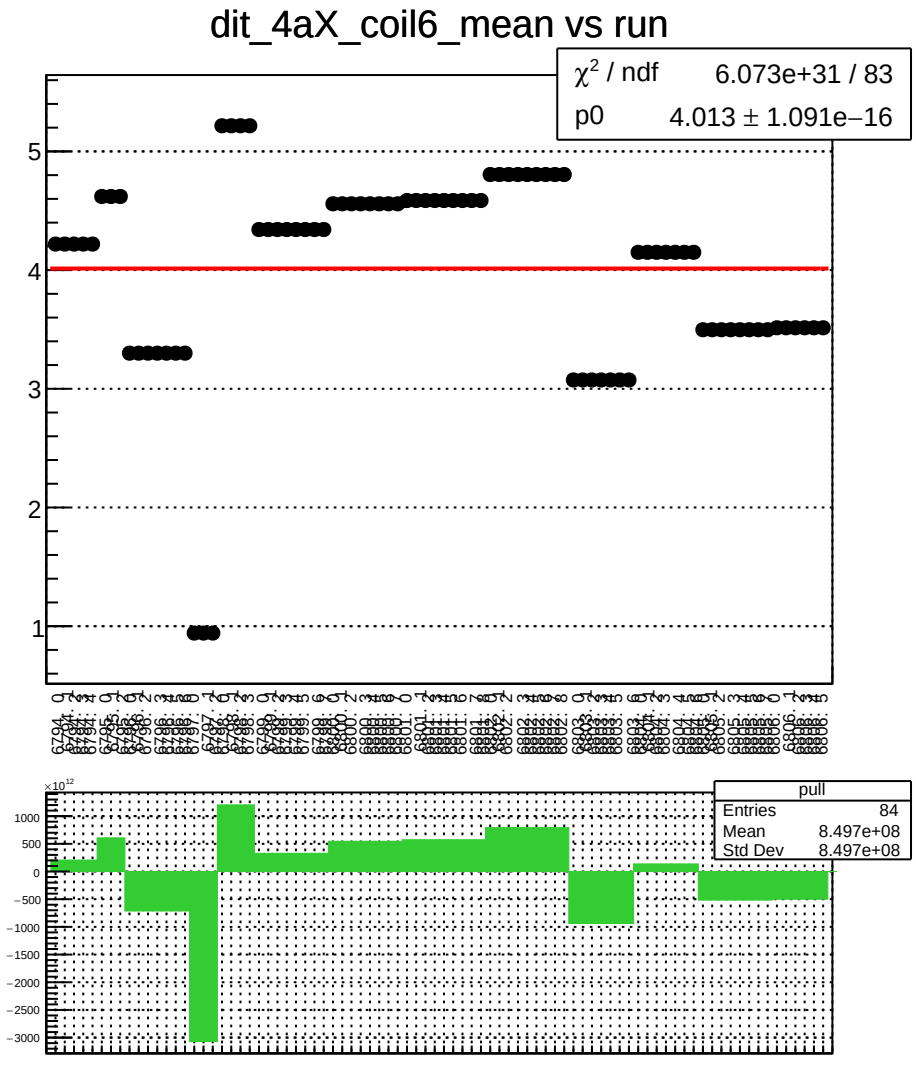

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

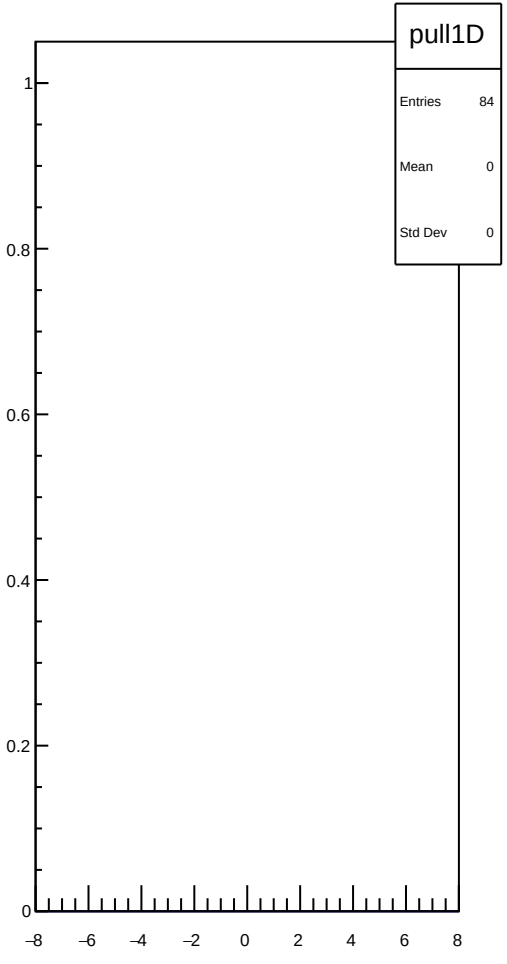

dit_sam8_coil4_err_mean vs run
χ² / ndf 5.039e+34 / 83
p0 118.9 ± 1.091e−16
pull
Entries 84
Mean −1.708e+09
Std Dev 1.708e+09

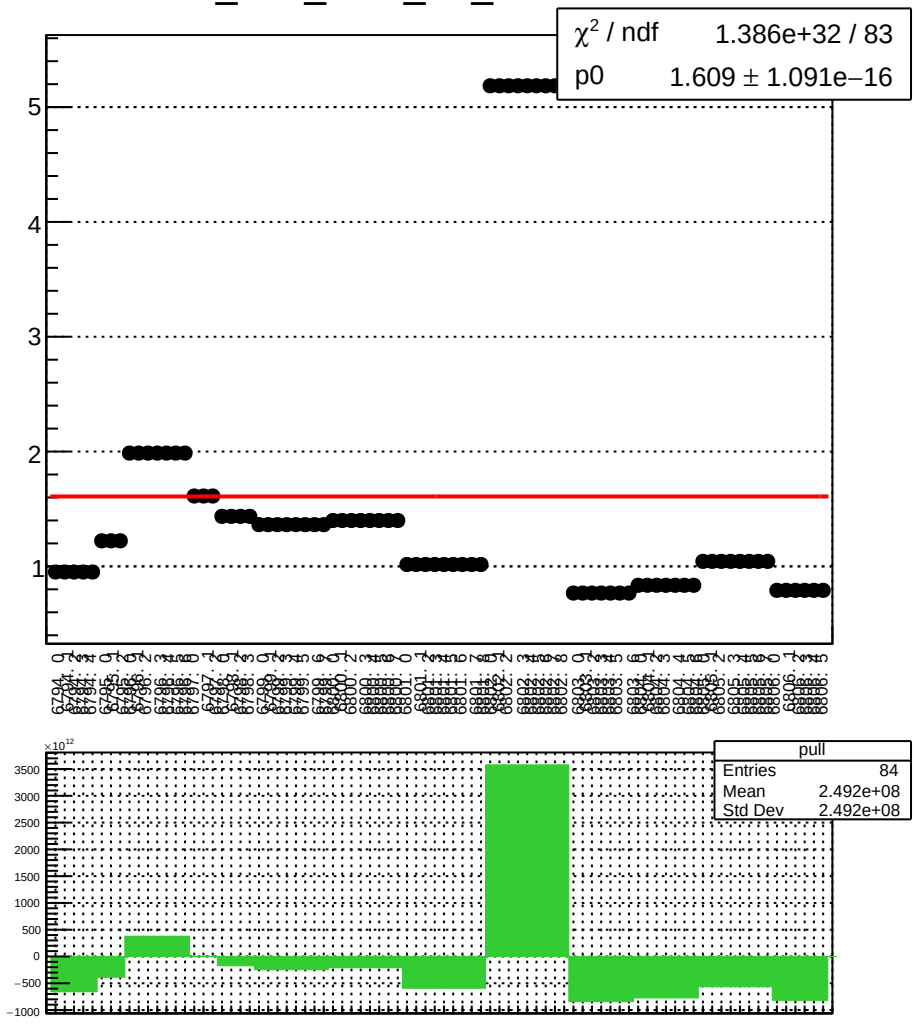

pull1D
Entries 84
Mean 0
Std Dev 0

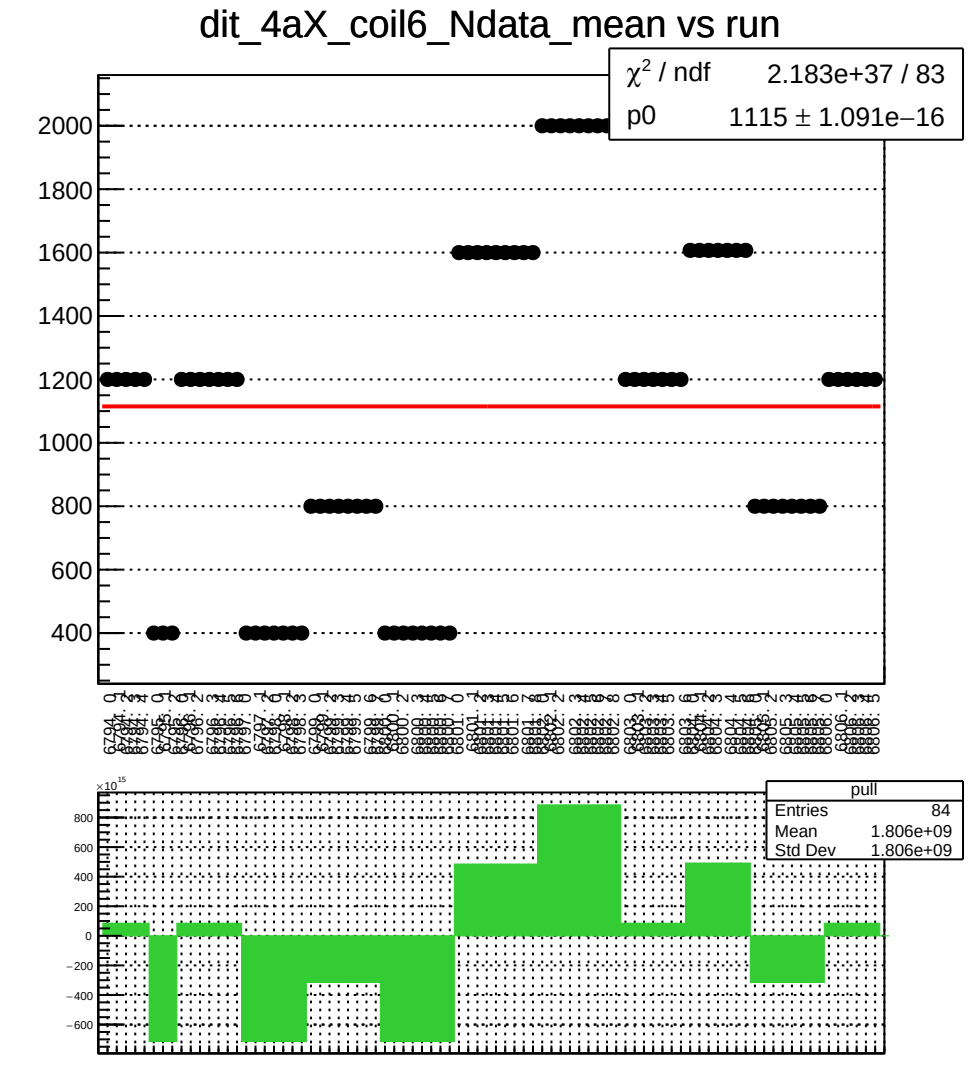

dit_sam8_coil4_Ndata_mean vs run
χ² / ndf 1.451e+37 / 83
p0 1224 ± 1.091e−16
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean −9.105e+08
Std Dev 9.105e+08
×10¹⁵
400
200
0
−200
−400
−600
−800

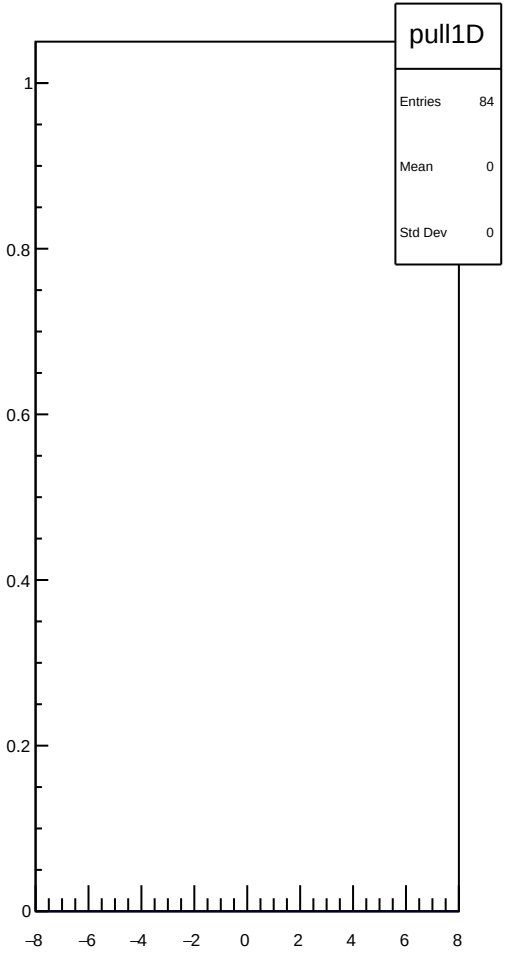

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

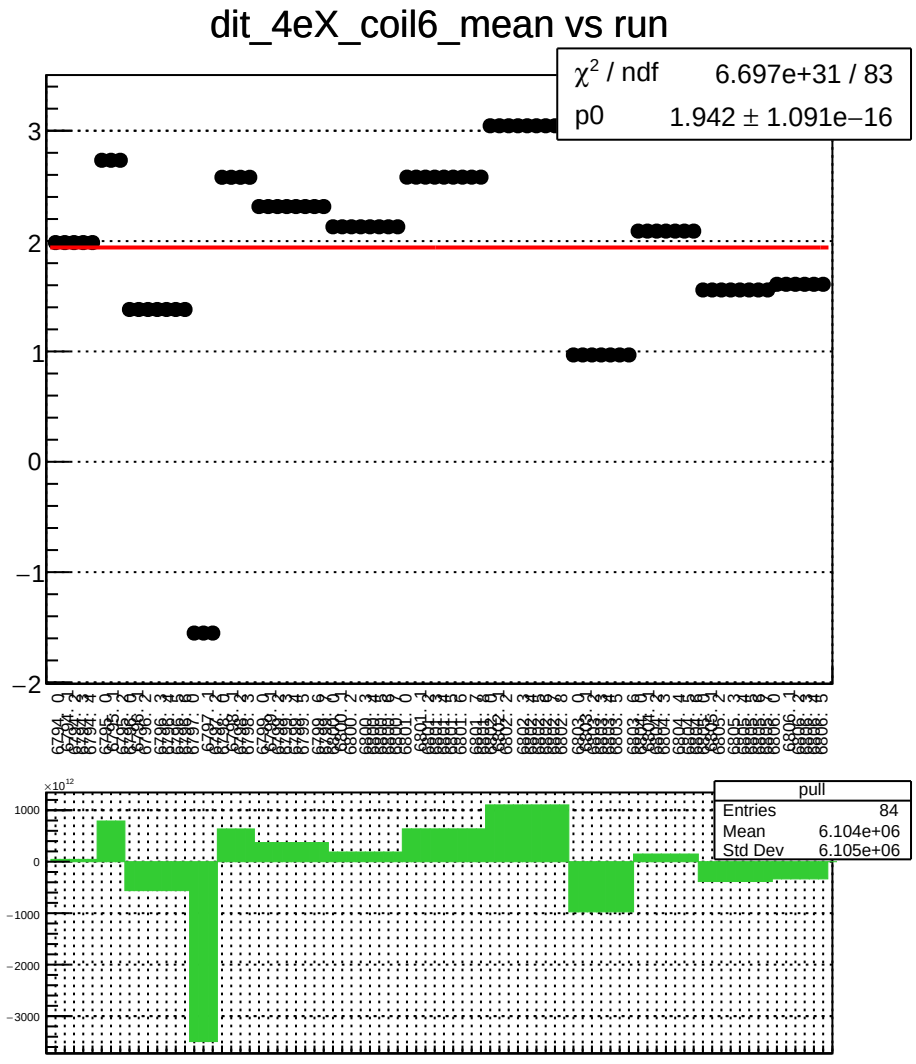

dit_4aX_coil6_mean vs run
χ² / ndf 6.073e+31 / 83
p0 4.013 ± 1.091e−16
pull
Entries 84
Mean 8.497e+08
Std Dev 8.497e+08

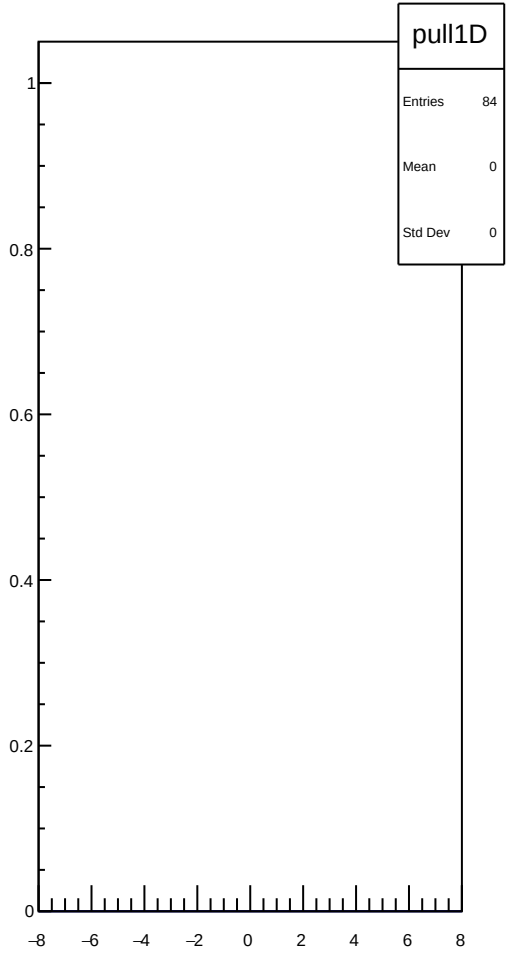

pull1D
Entries 84
Mean 0
Std Dev 0

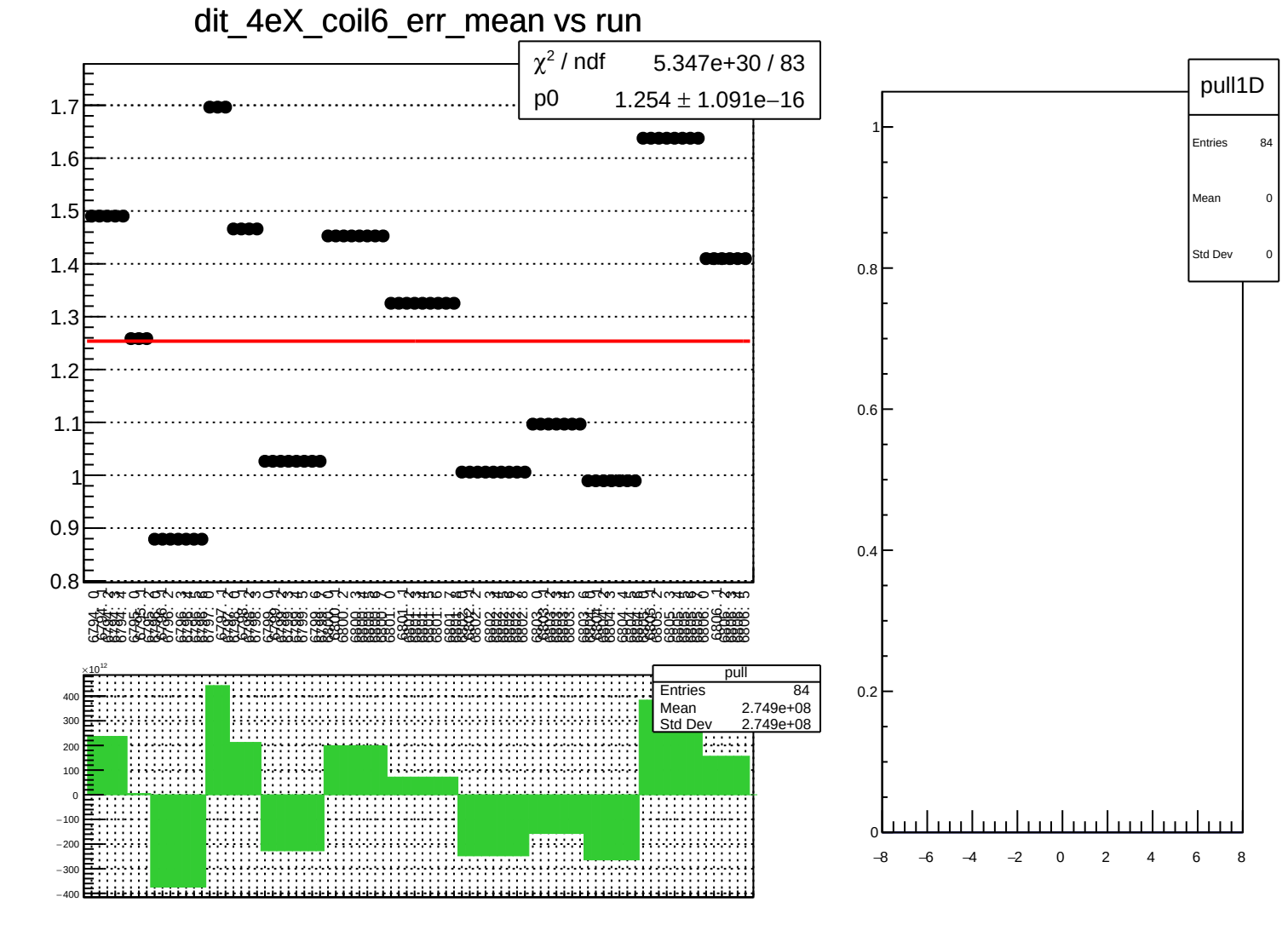

dit_4aX_coil6_err_mean vs run
χ² / ndf 1.386e+32 / 83
p0 1.609 ± 1.091e−16
pull
Entries 84
Mean 2.492e+08
Std Dev 2.492e+08
pull1D
Entries 84
Mean 0
Std Dev 0

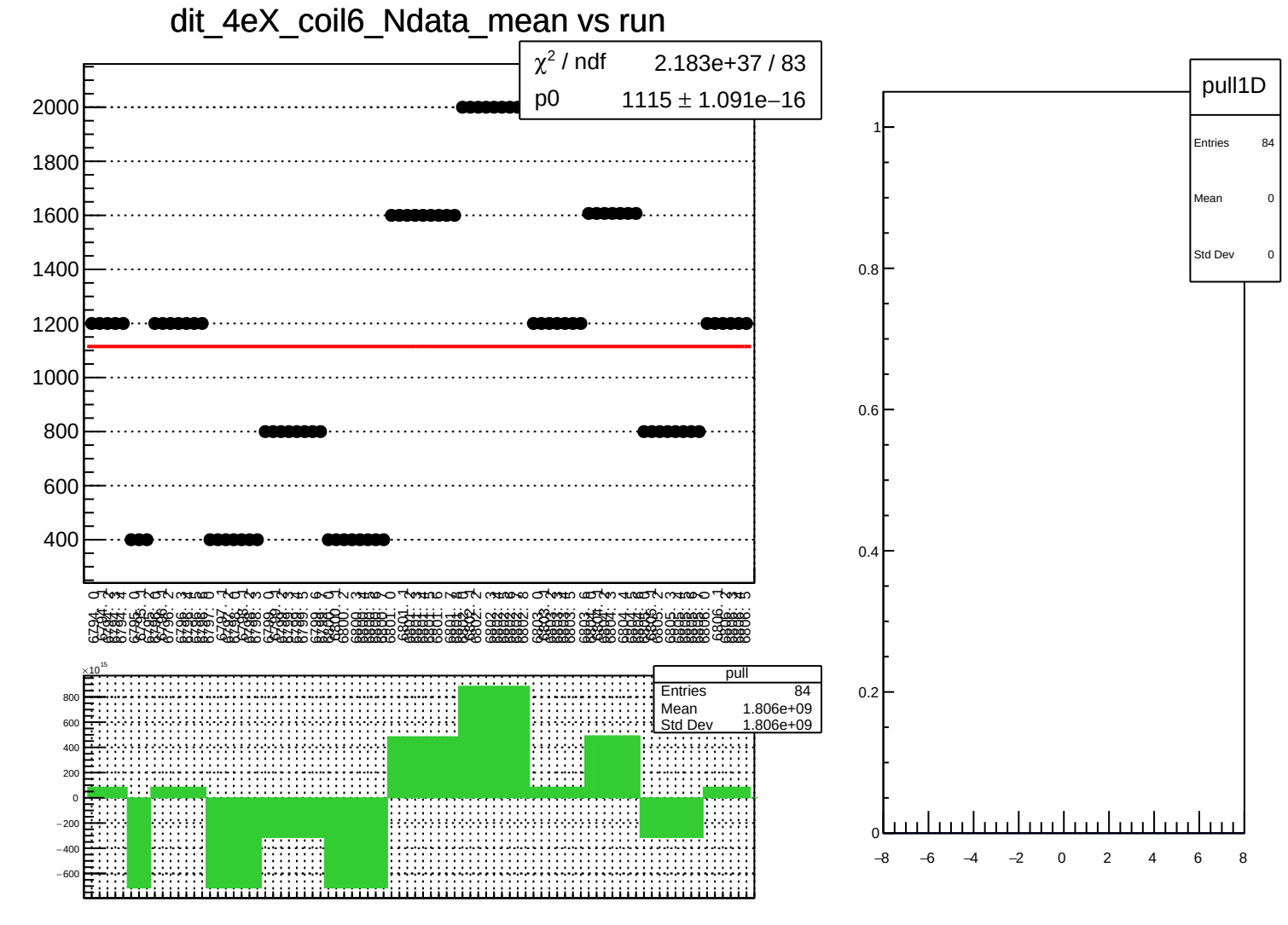

dit_4aX_coil6_Ndata_mean vs run
χ² / ndf 2.183e+37 / 83
p0 1115 ± 1.091e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean 1.806e+09
Std Dev 1.806e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600

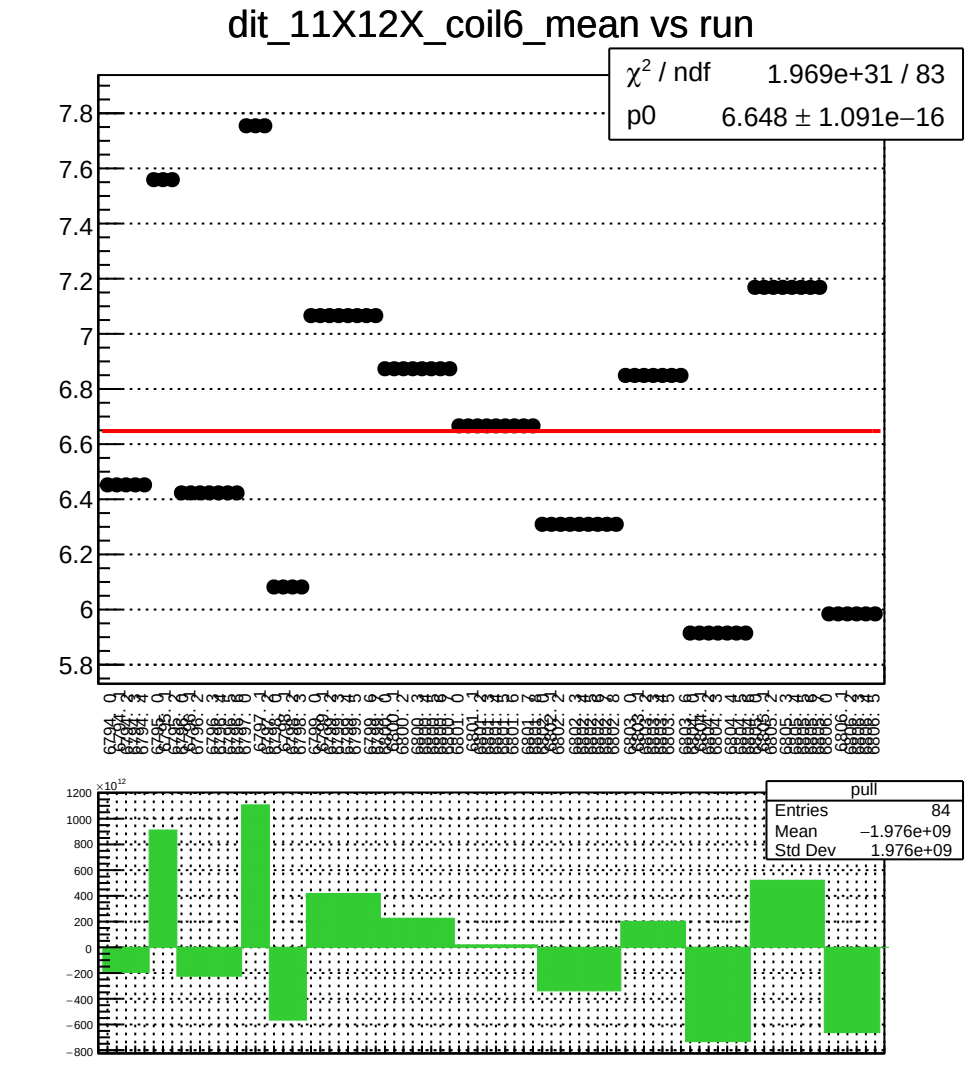

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

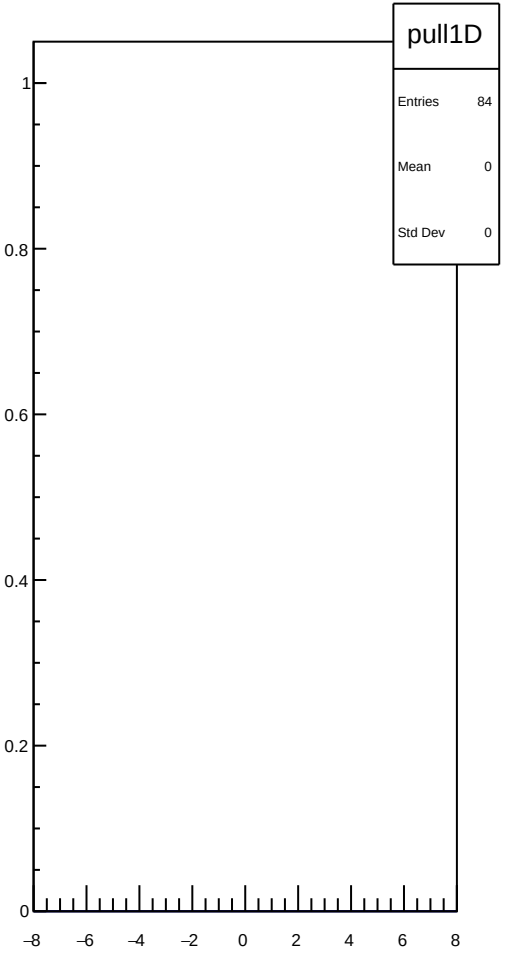

dit_4eX_coil6_mean vs run
χ² / ndf 6.697e+31 / 83
p0 1.942 ± 1.091e−16
pull
Entries 84
Mean 6.104e+06
Std Dev 6.105e+06

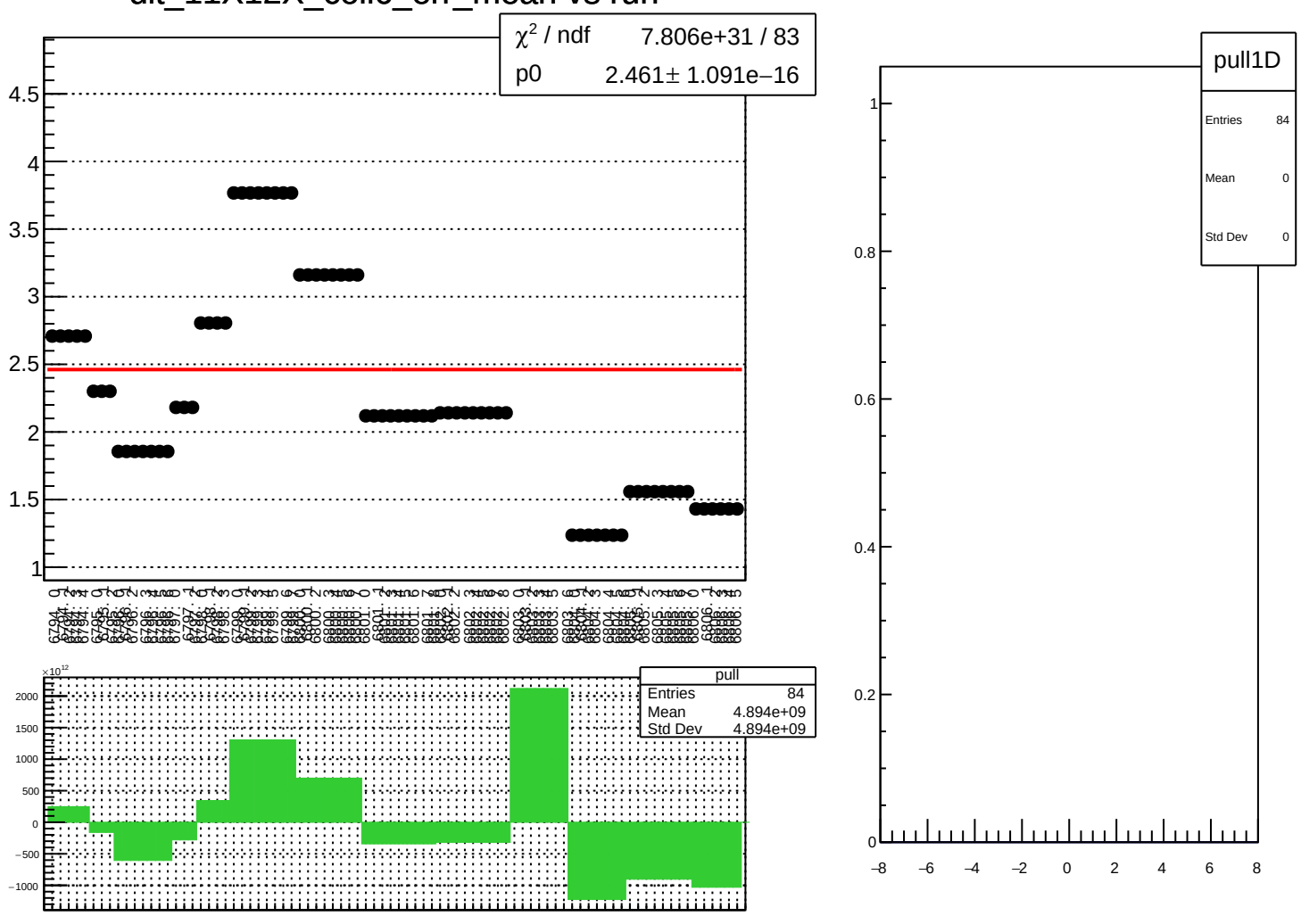

pull1D
Entries 84
Mean 0
Std Dev 0

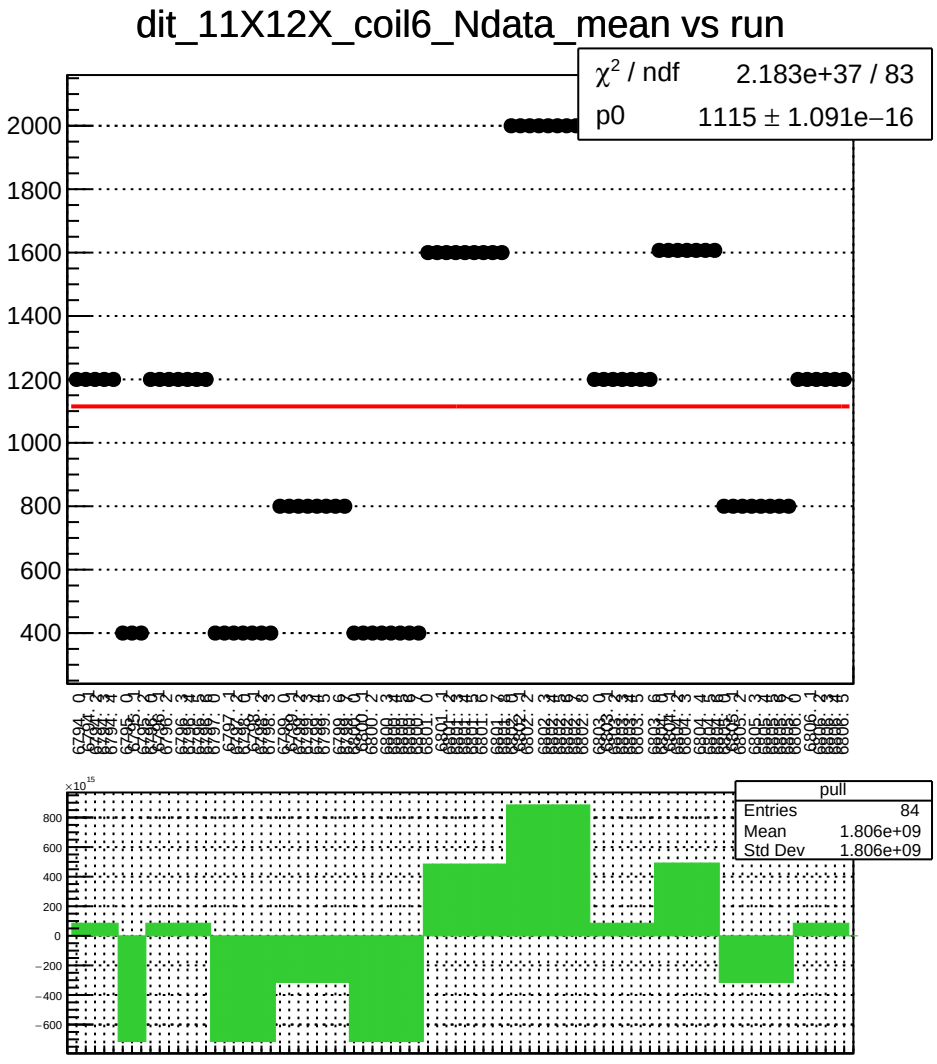

dit_4eX_coil6_err_mean vs run
χ² / ndf 5.347e+30 / 83
p0 1.254 ± 1.091e−16
pull
Entries 84
Mean 2.749e+08
Std Dev 2.749e+08
pull1D
Entries 84
Mean 0
Std Dev 0

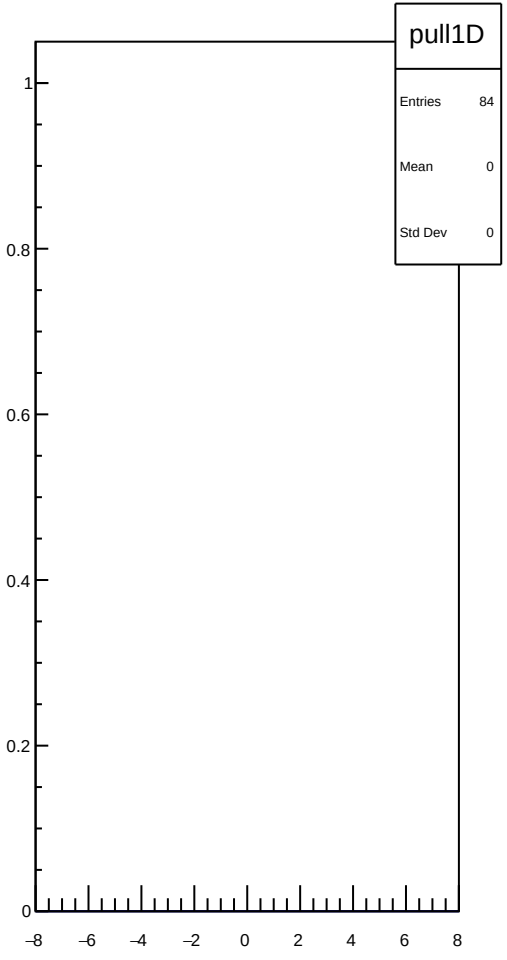

dit_4eX_coil6_Ndata_mean vs run
χ² / ndf 2.183e+37 / 83
p0 1115 ± 1.091e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean 1.806e+09
Std Dev 1.806e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

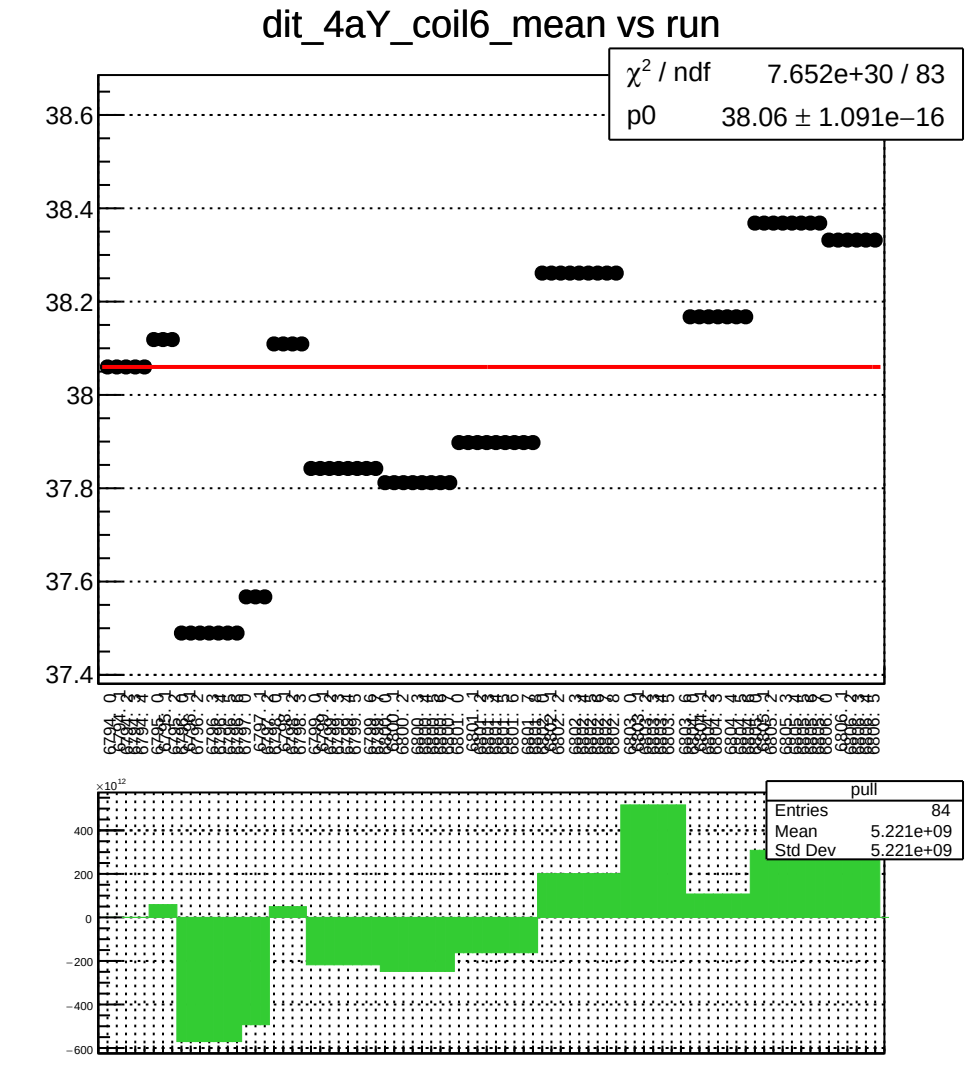

dit_11X12X_coil6_mean vs run
χ² / ndf 1.969e+31 / 83
p0 6.648 ± 1.091e−16
pull
Entries 84
Mean −1.976e+09
Std Dev 1.976e+09

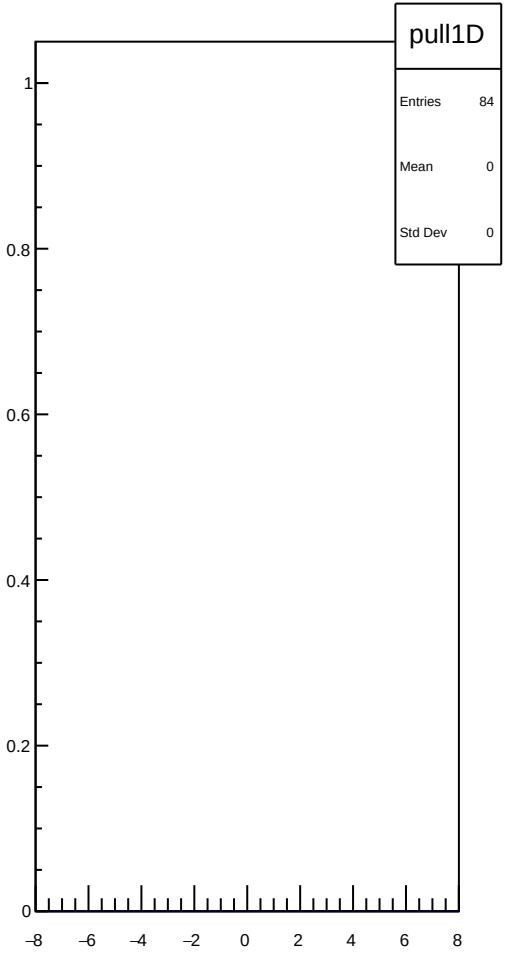

pull1D
Entries 84
Mean 0
Std Dev 0

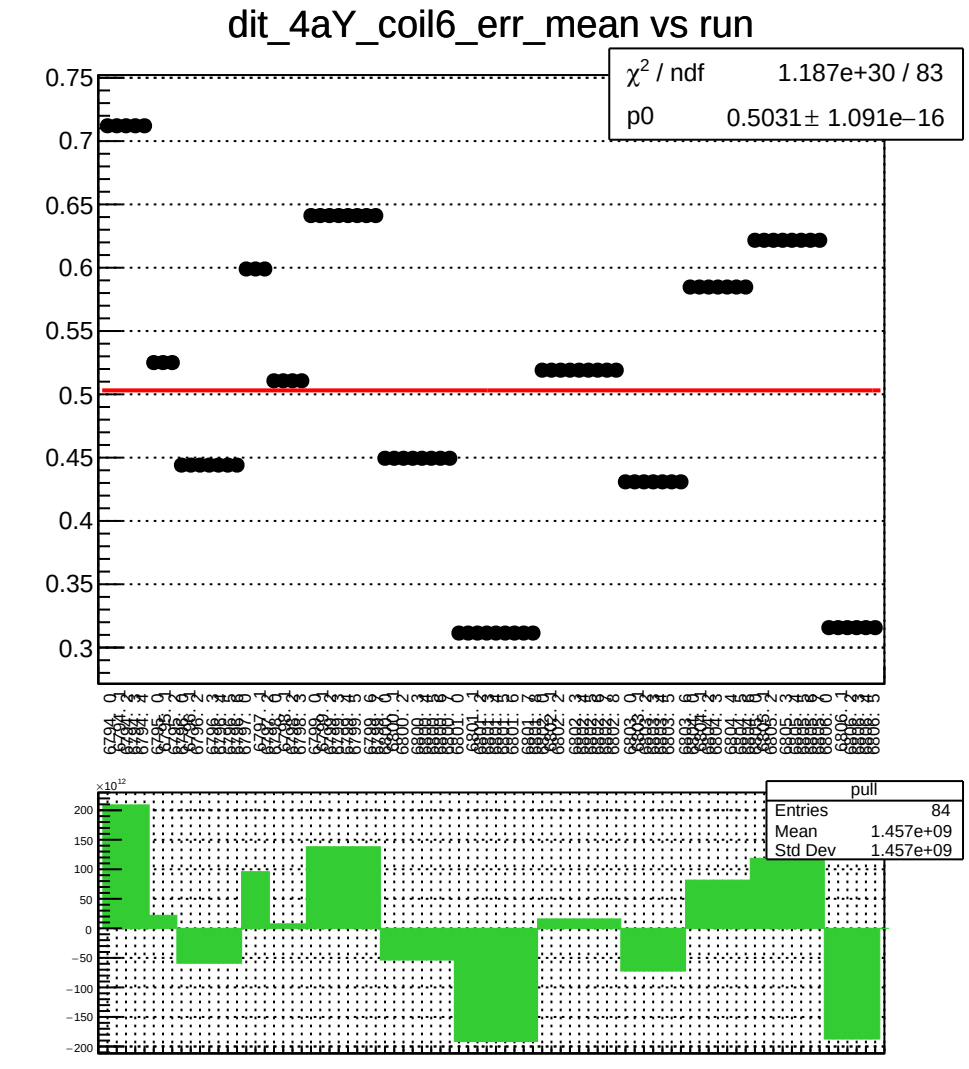

dit_11X12X_coil6_err_mean vs run
χ² / ndf 7.806e+31 / 83
p0 2.461± 1.091e−16
pull
Entries 84
Mean 4.894e+09
Std Dev 4.894e+09
pull1D
Entries 84
Mean 0
Std Dev 0

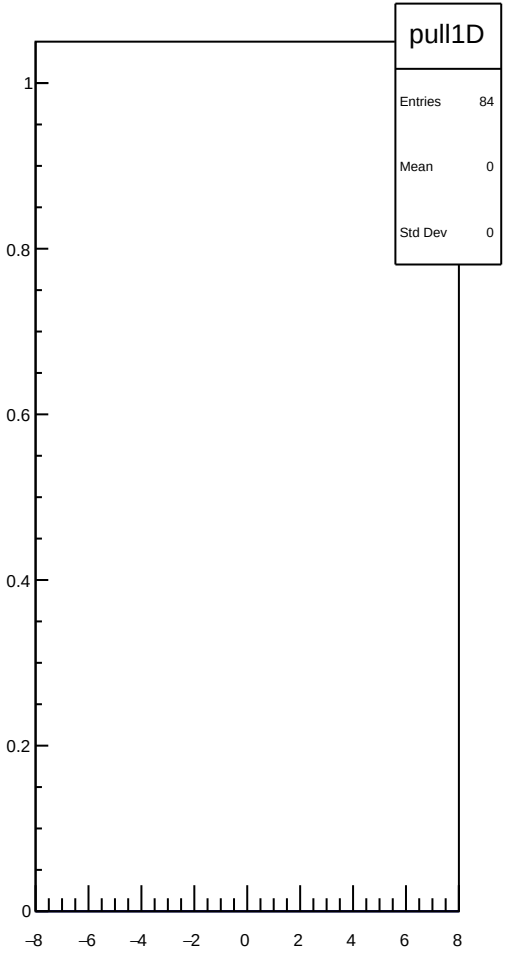

dit_11X12X_coil6_Ndata_mean vs run
χ² / ndf 2.183e+37 / 83
p0 1115 ± 1.091e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean 1.806e+09
Std Dev 1.806e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600

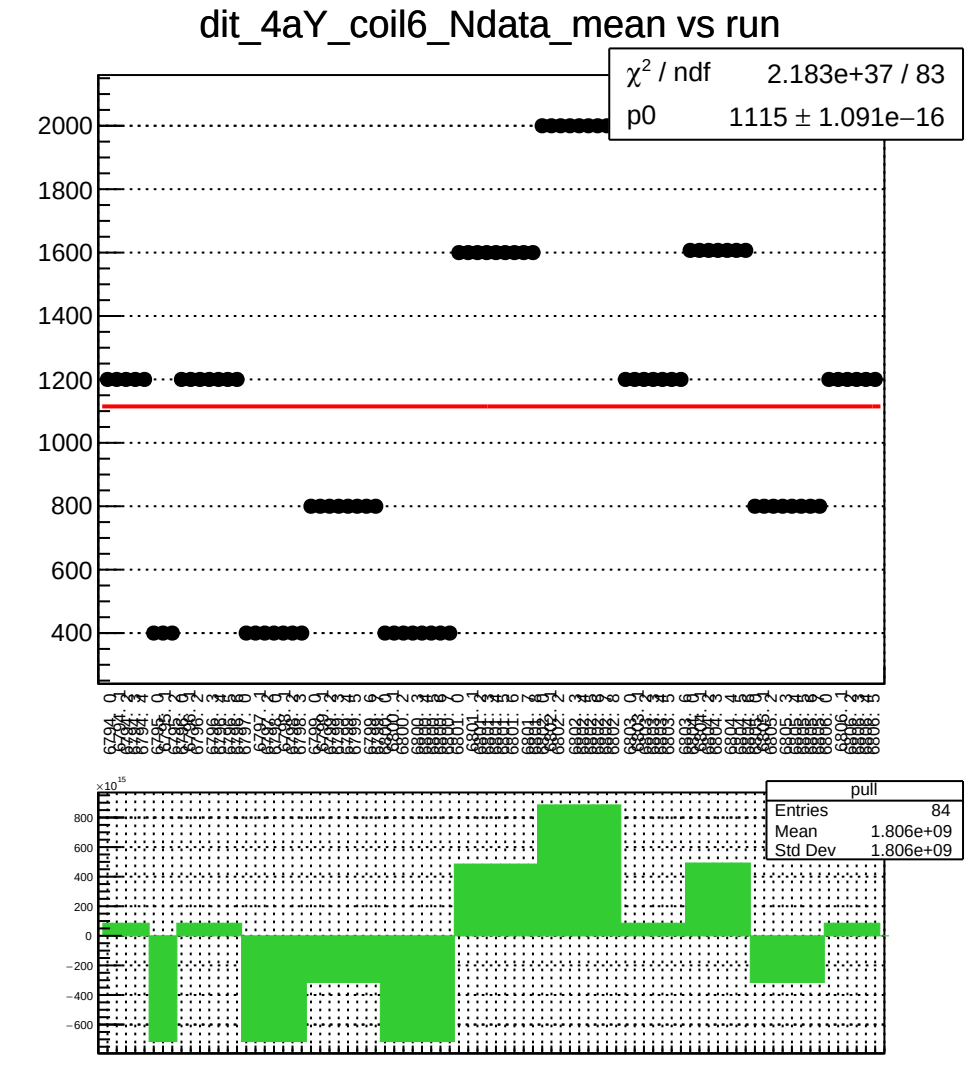

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

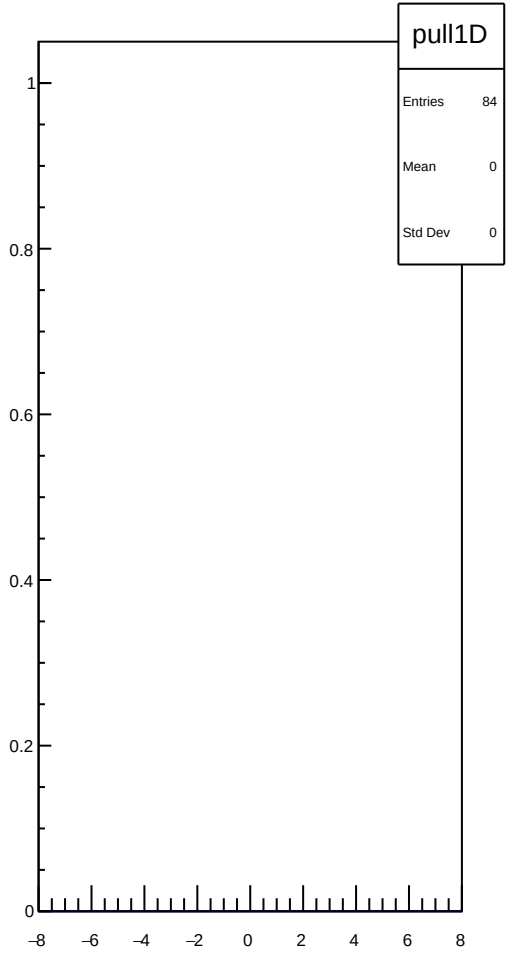

dit_4aY_coil6_mean vs run
χ² / ndf 7.652e+30 / 83
p0 38.06 ± 1.091e−16
38.6
38.4
38.2
38
37.8
37.6
37.4
pull
Entries 84
Mean 5.221e+09
Std Dev 5.221e+09
×10¹²
400
200
0
−200
−400
−600

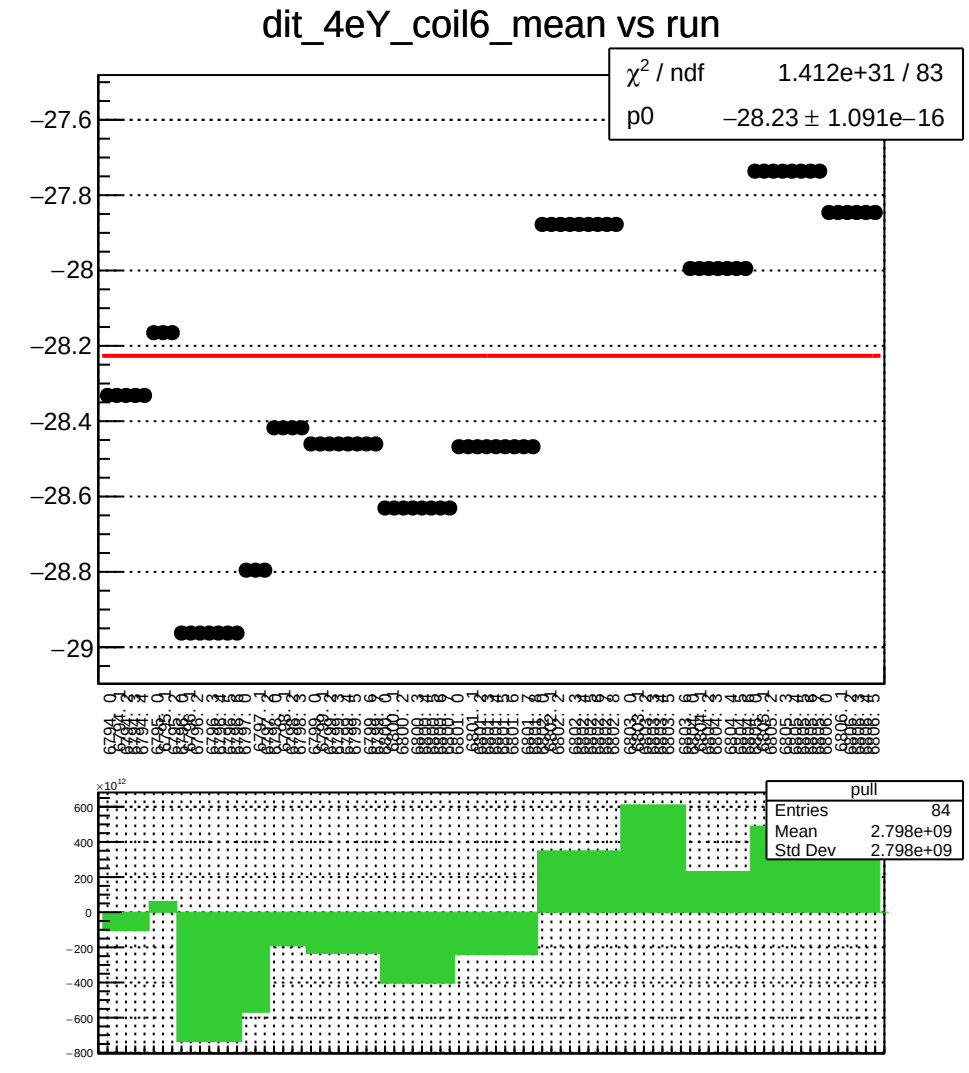

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

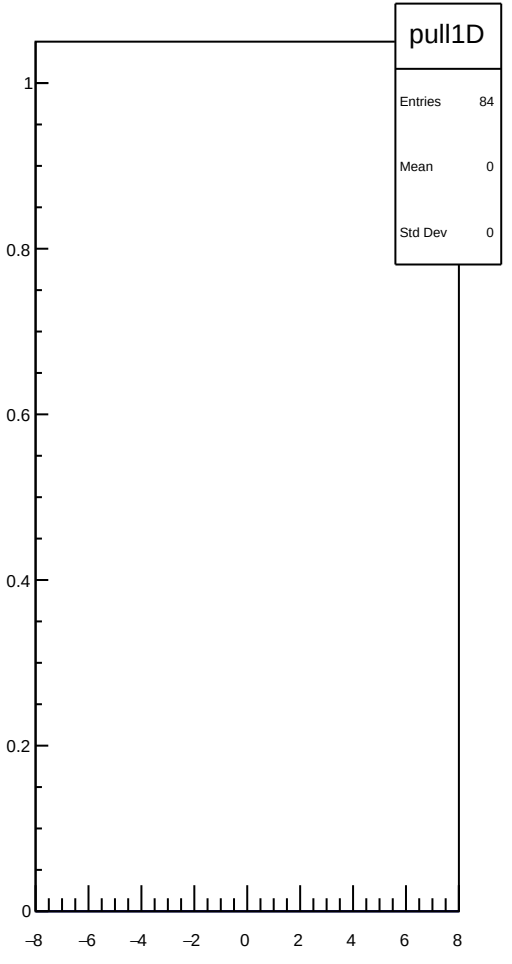

dit_4aY_coil6_err_mean vs run
χ² / ndf 1.187e+30 / 83
p0 0.5031 ± 1.091e−16
pull
Entries 84
Mean 1.457e+09
Std Dev 1.457e+09
×10¹²

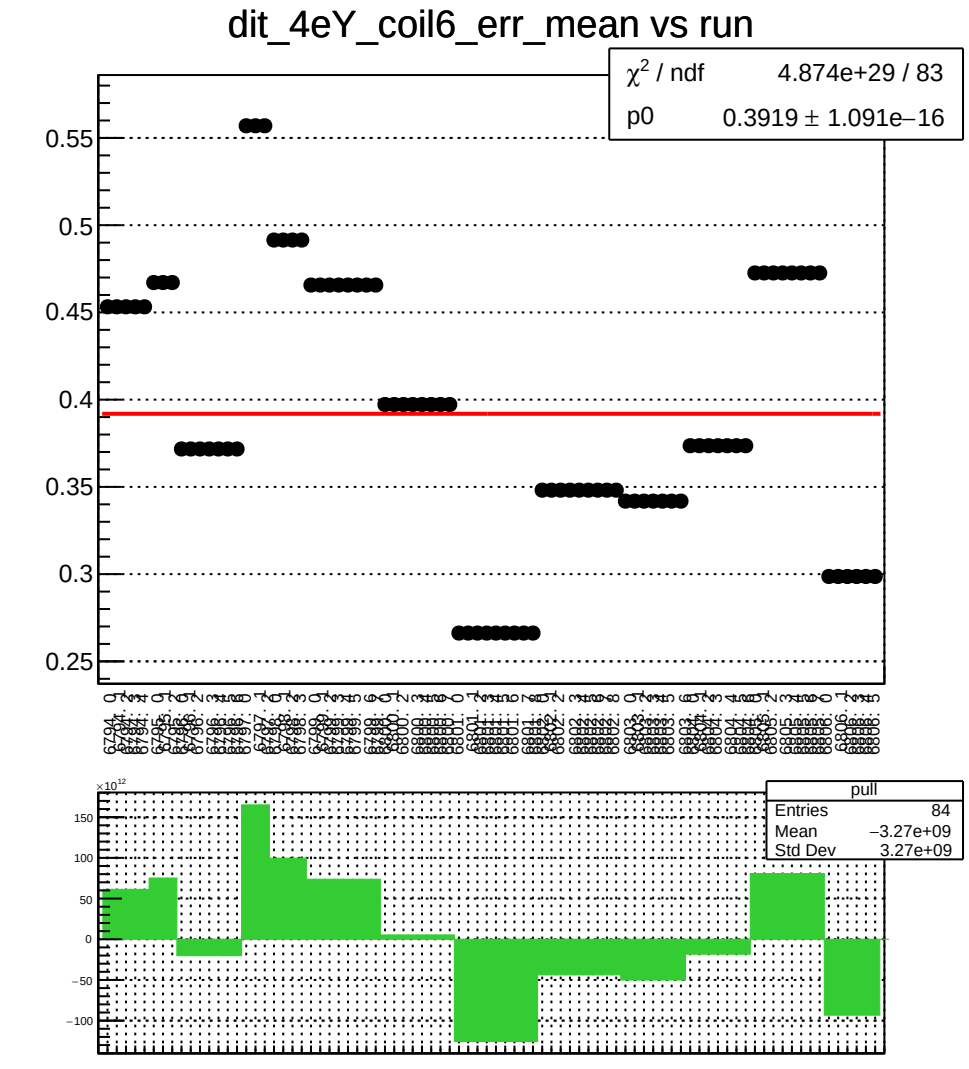

pull1D
Entries 84
Mean 0
Std Dev 0

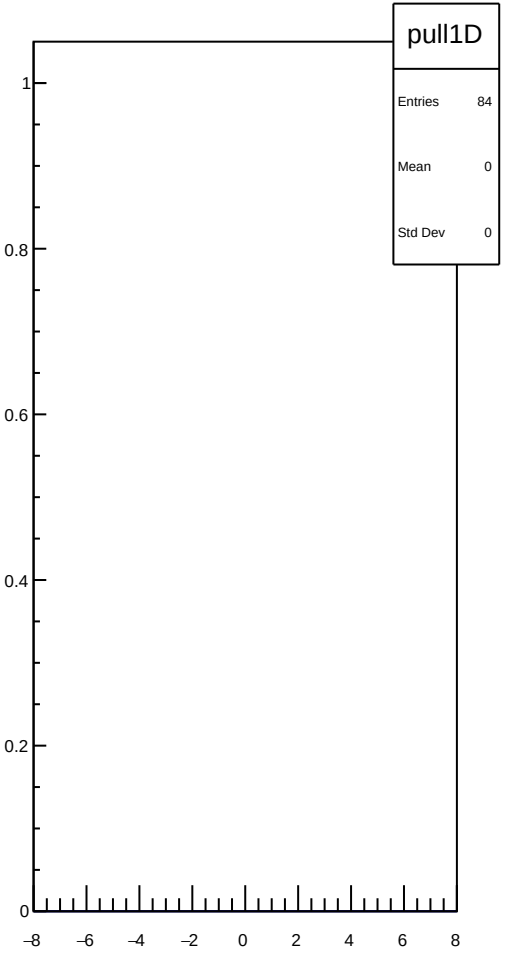

dit_4aY_coil6_Ndata_mean vs run
χ² / ndf 2.183e+37 / 83
p0 1115 ± 1.091e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean 1.806e+09
Std Dev 1.806e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600

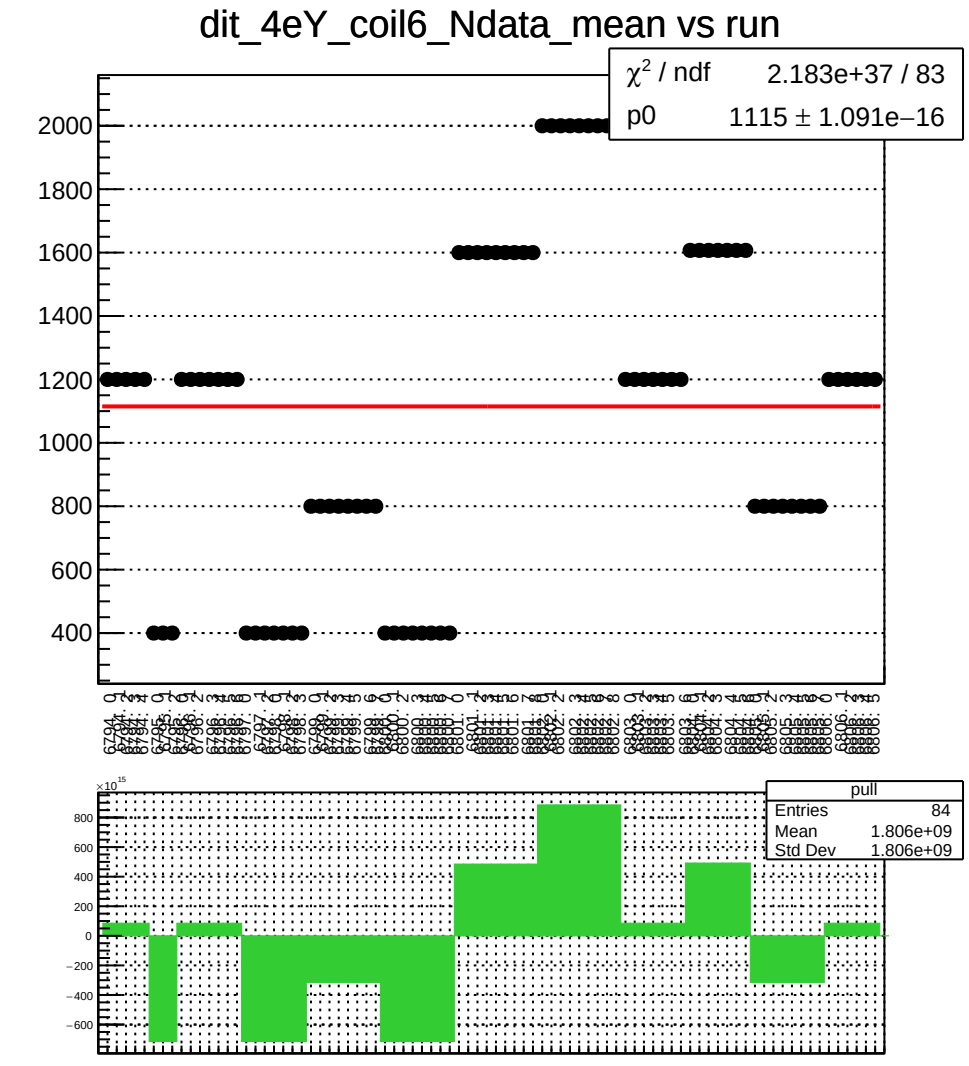

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

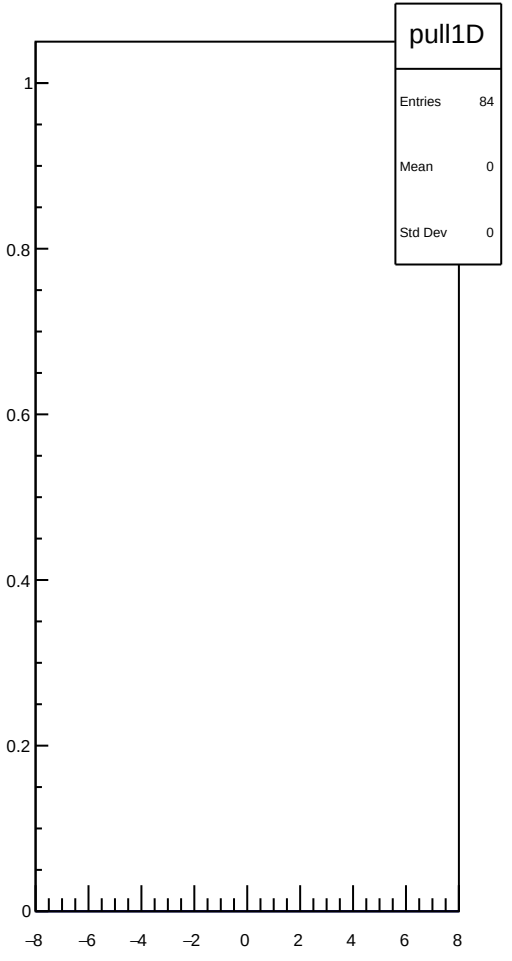

dit_4eY_coil6_mean vs run
χ² / ndf 1.412e+31 / 83
p0 −28.23 ± 1.091e−16
−27.6
−27.8
−28
−28.2
−28.4
−28.6
−28.8
−29
pull
Entries 84
Mean 2.798e+09
Std Dev 2.798e+09
×10¹²
600
400
200
0
−200
−400
−600
−800

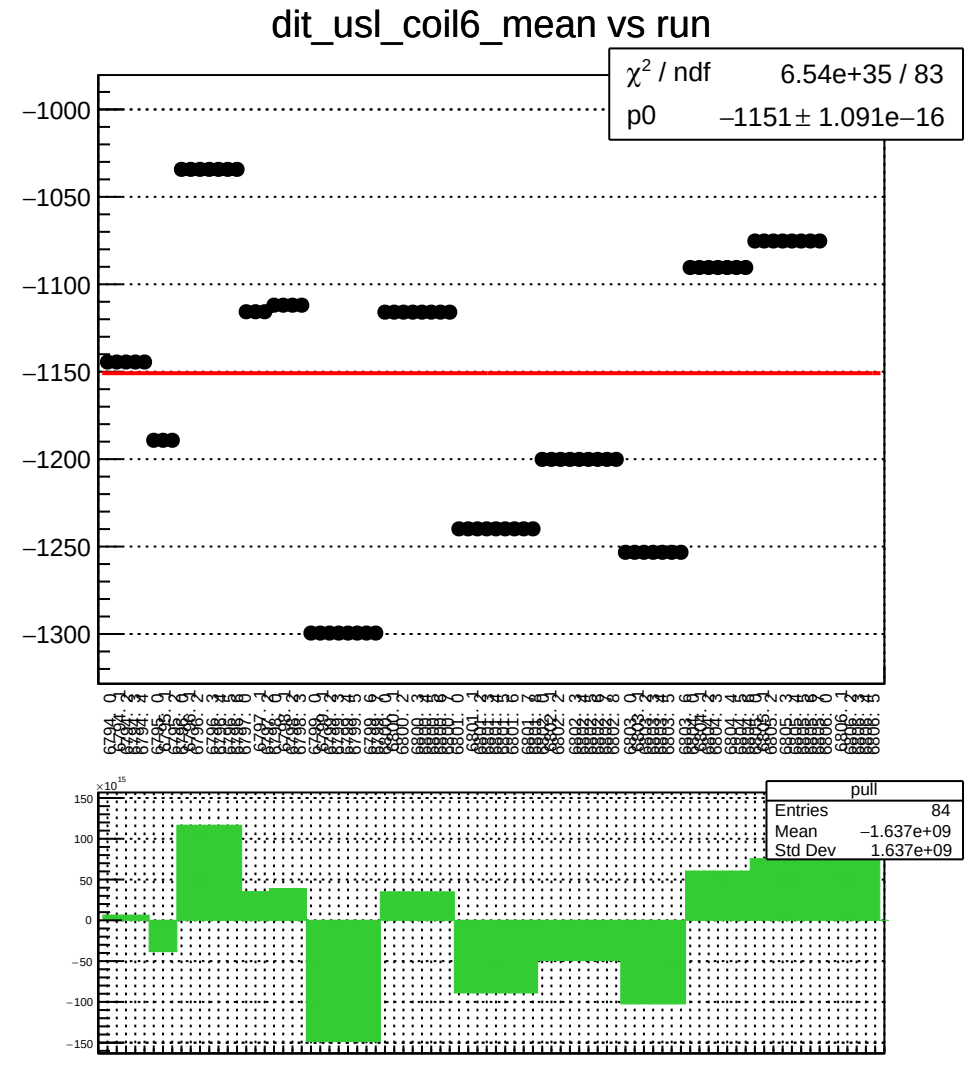

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

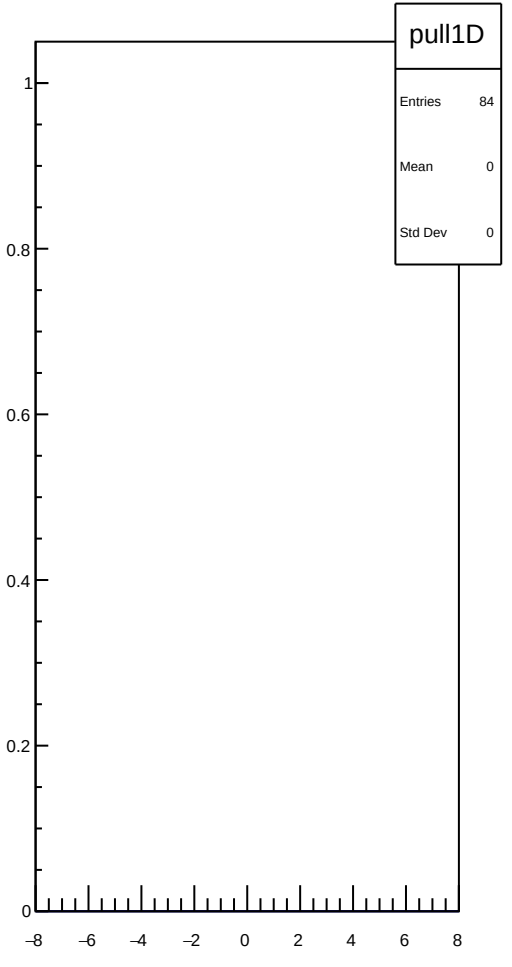

dit_4eY_coil6_err_mean vs run
χ² / ndf 4.874e+29 / 83
p0 0.3919 ± 1.091e−16
0.55
0.5
0.45
0.4
0.35
0.3
0.25
pull
Entries 84
Mean −3.27e+09
Std Dev 3.27e+09
×10¹²
150
100
50
0
−50
−100

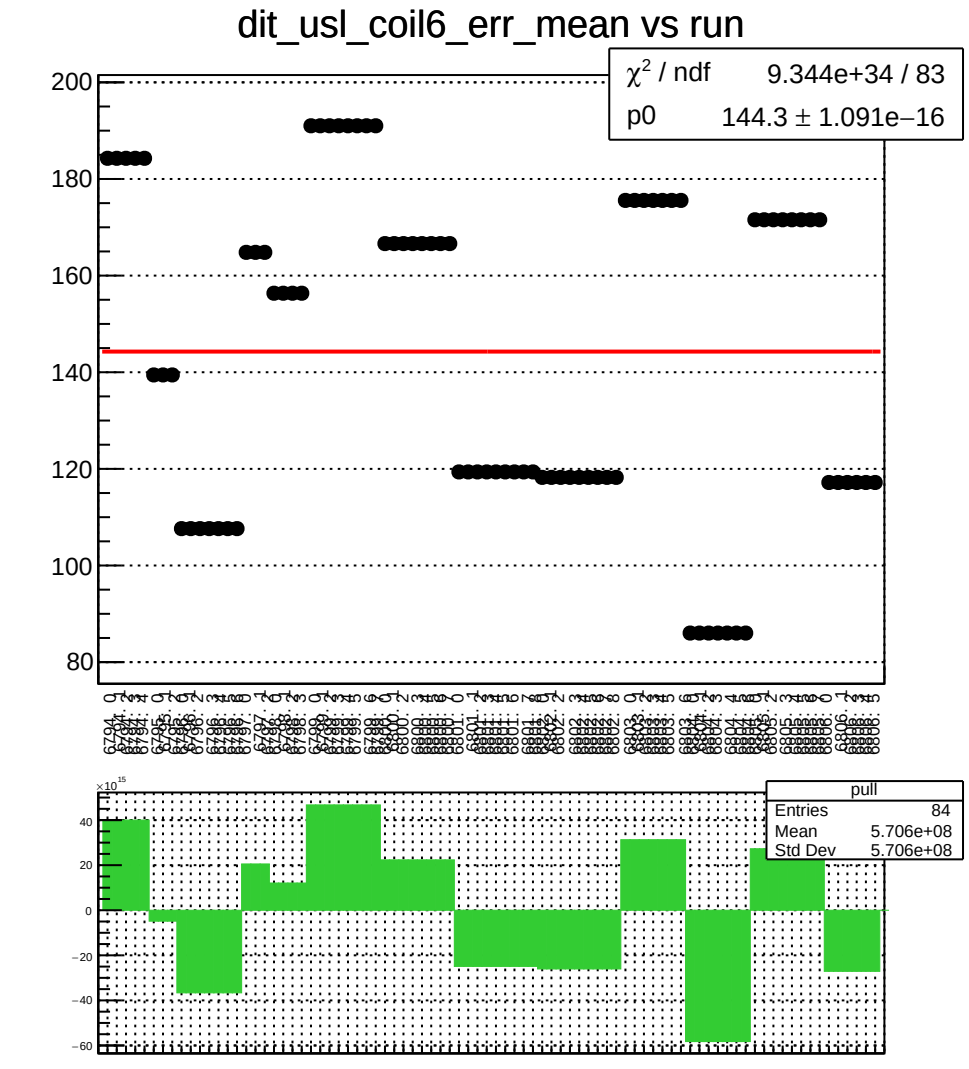

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

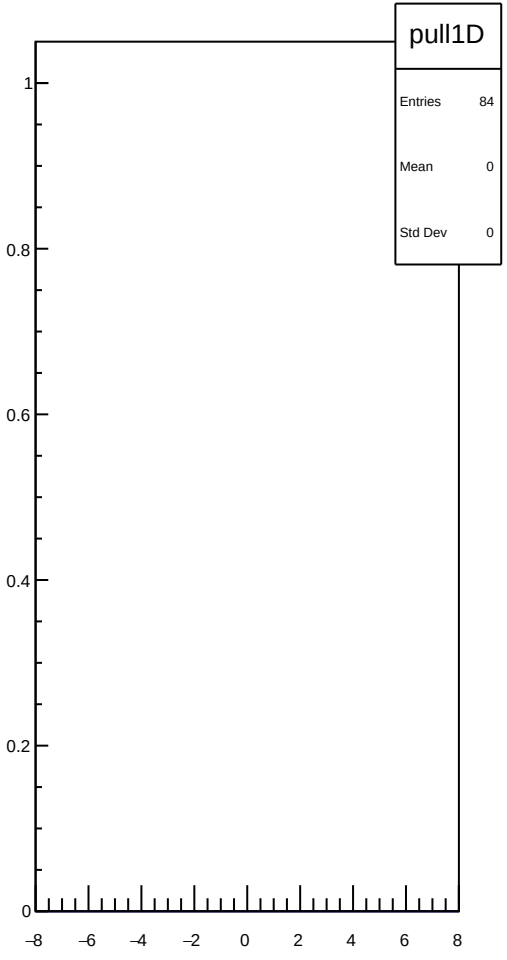

dit_4eY_coil6_Ndata_mean vs run
χ² / ndf 2.183e+37 / 83
p0 1115 ± 1.091e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean 1.806e+09
Std Dev 1.806e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600

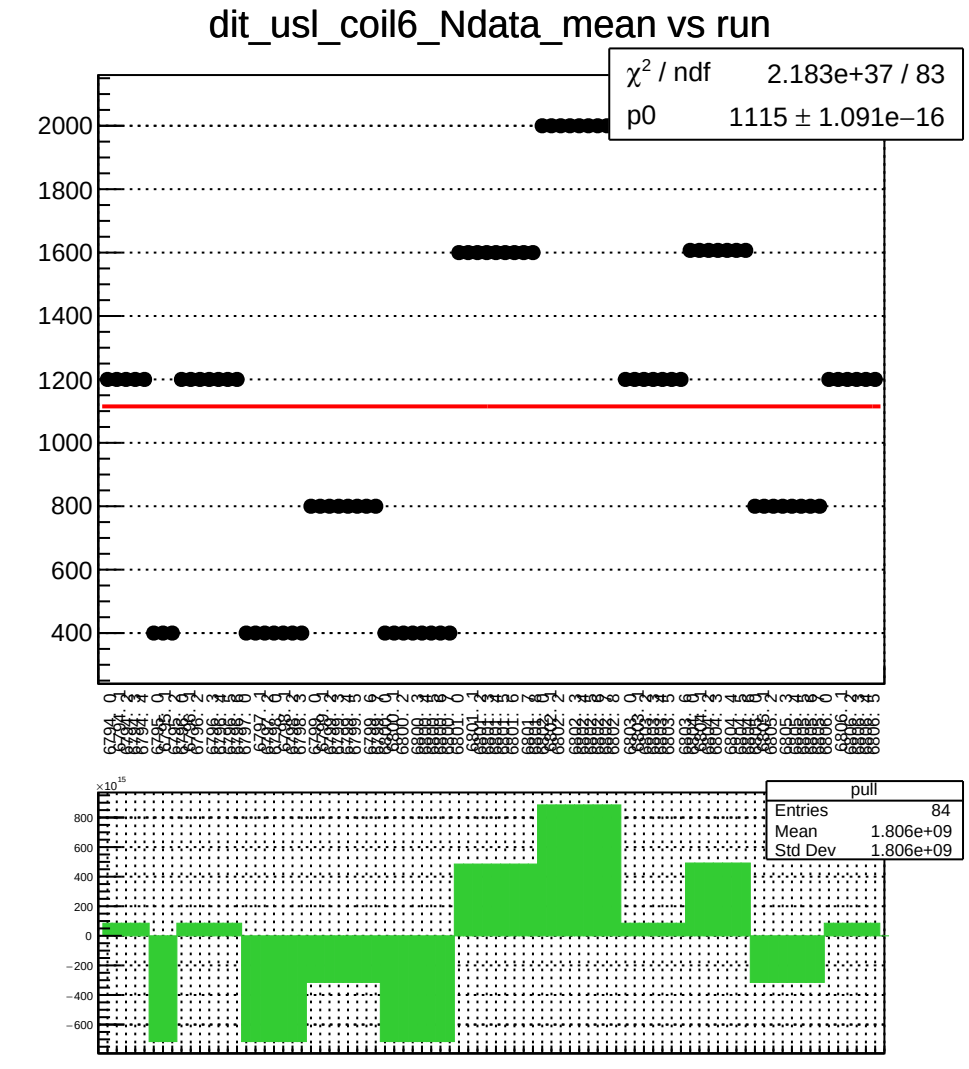

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

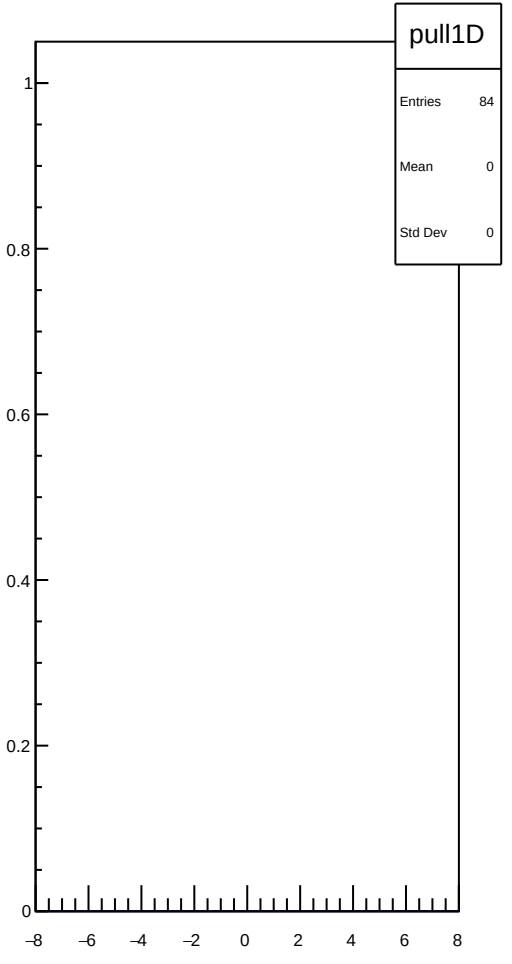

dit_usl_coil6_mean vs run
χ² / ndf 6.54e+35 / 83
p0 −1151 ± 1.091e−16
−1000
−1050
−1100
−1150
−1200
−1250
−1300
pull
Entries 84
Mean −1.637e+09
Std Dev 1.637e+09
×10¹⁵
150
100
50
0
−50
−100
−150

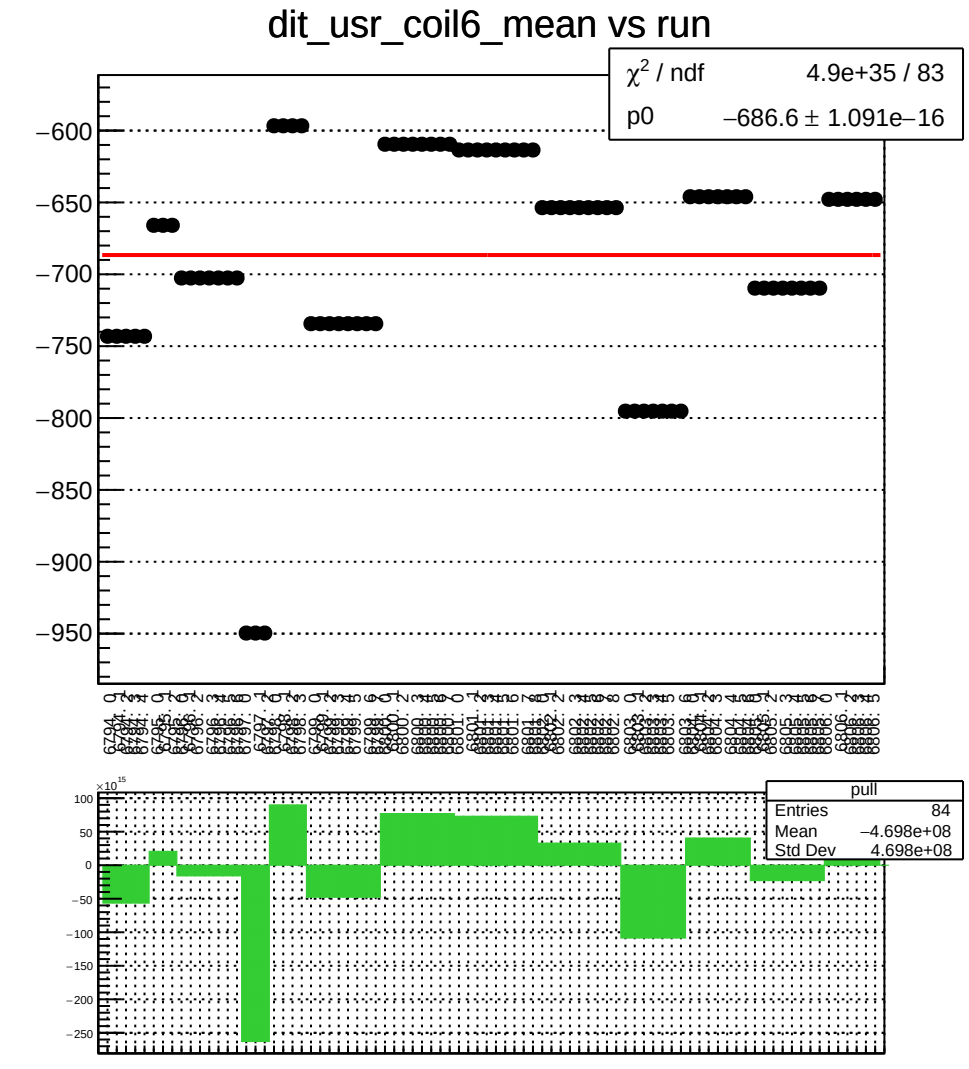

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

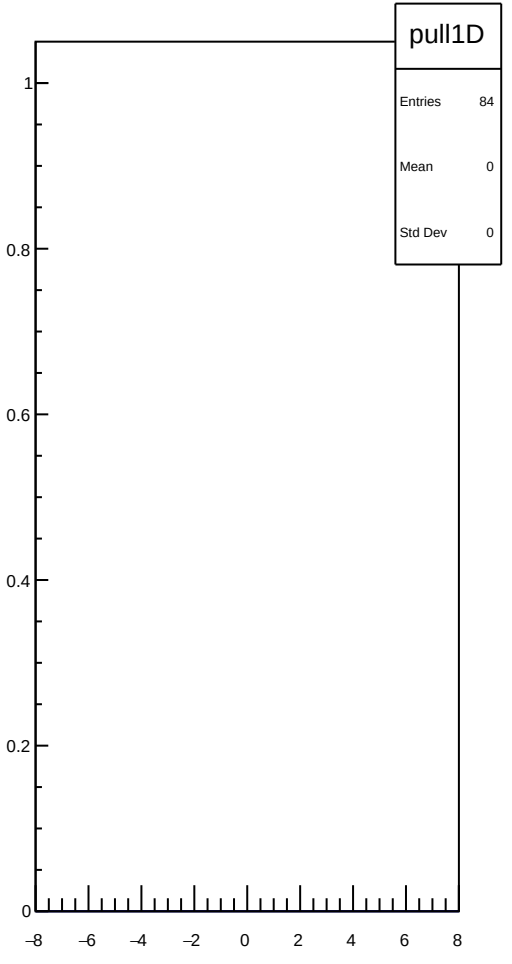

dit_usl_coil6_err_mean vs run
χ² / ndf 9.344e+34 / 83
p0 144.3 ± 1.091e−16
200
180
160
140
120
100
80
pull
Entries 84
Mean 5.706e+08
Std Dev 5.706e+08
×10¹⁵
40
20
0
−20
−40
−60

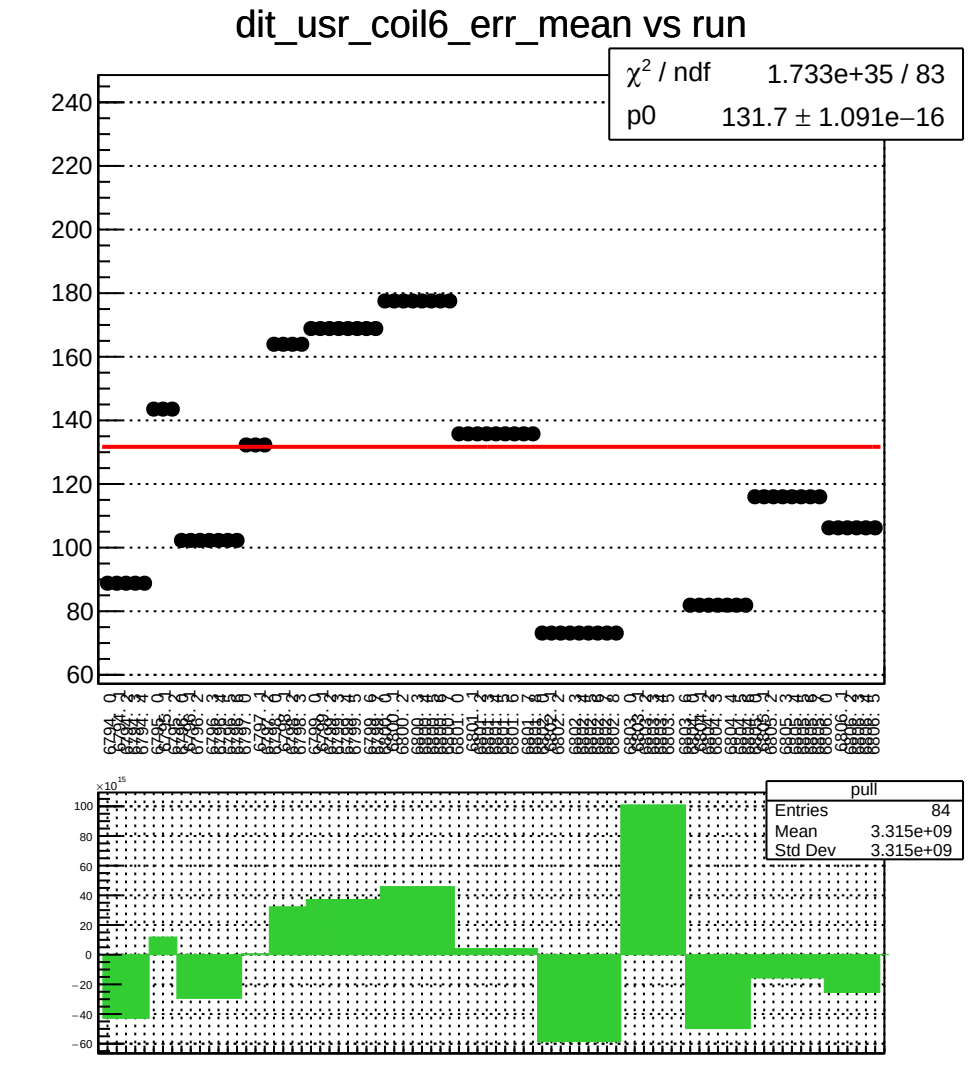

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

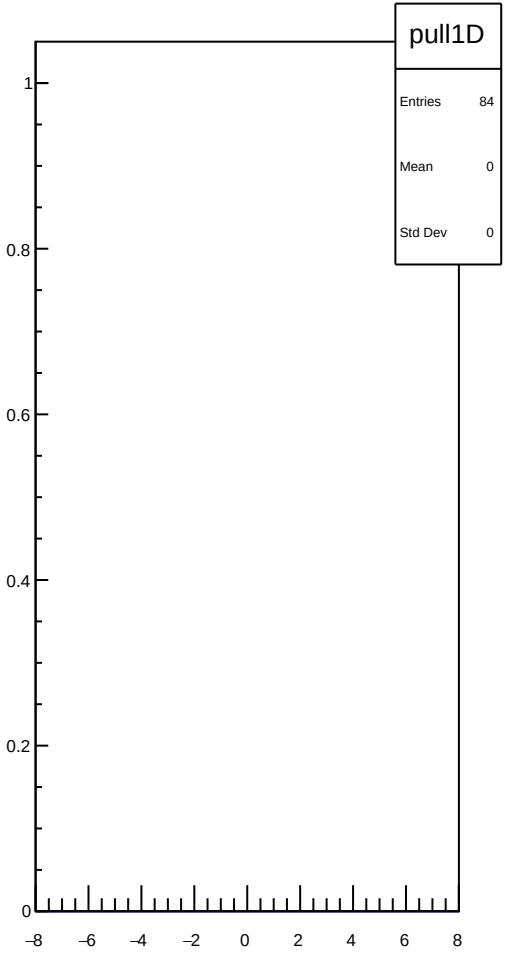

dit_usl_coil6_Ndata_mean vs run
χ² / ndf 2.183e+37 / 83
p0 1115 ± 1.091e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean 1.806e+09
Std Dev 1.806e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600

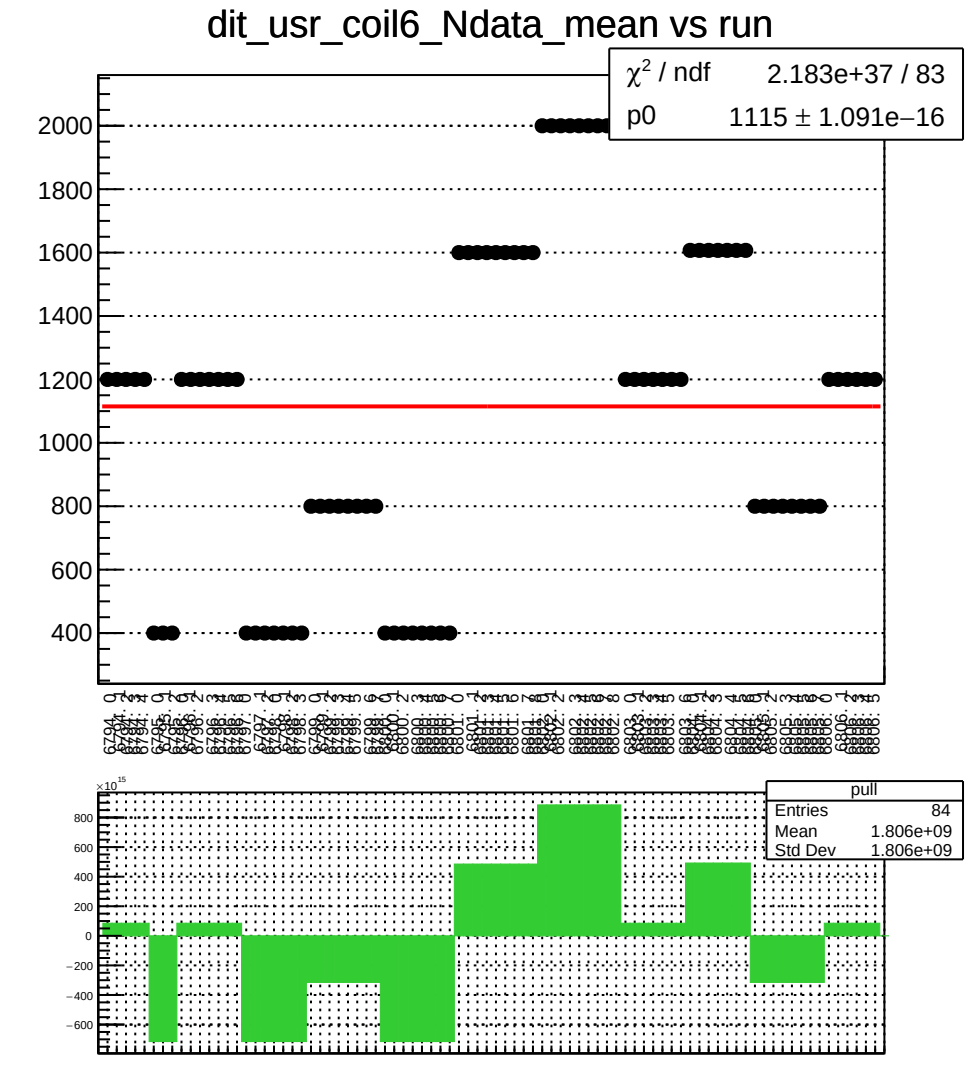

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

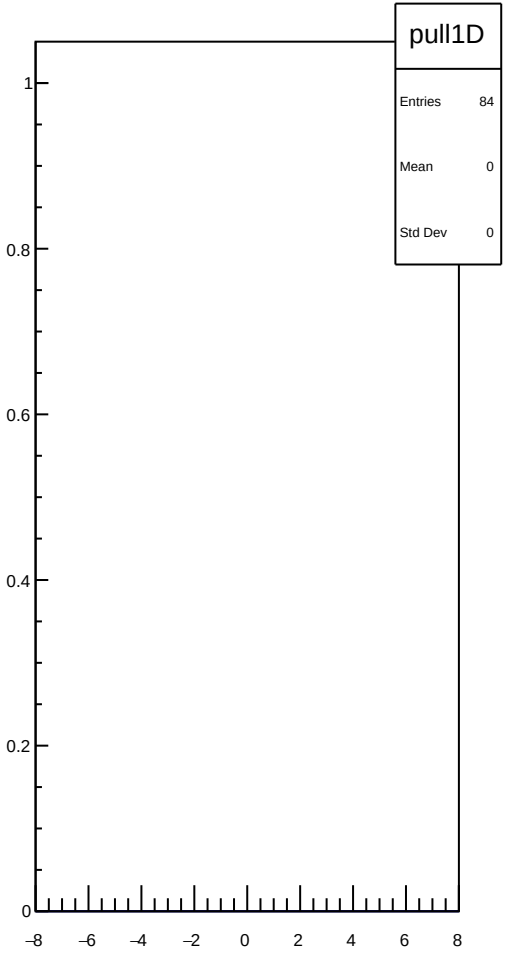

dit_usr_coil6_mean vs run
χ² / ndf 4.9e+35 / 83
p0 −686.6 ± 1.091e−16
−600
−650
−700
−750
−800
−850
−900
−950
pull
Entries 84
Mean −4.698e+08
Std Dev 4.698e+08
×10¹⁵
100
50
0
−50
−100
−150
−200
−250

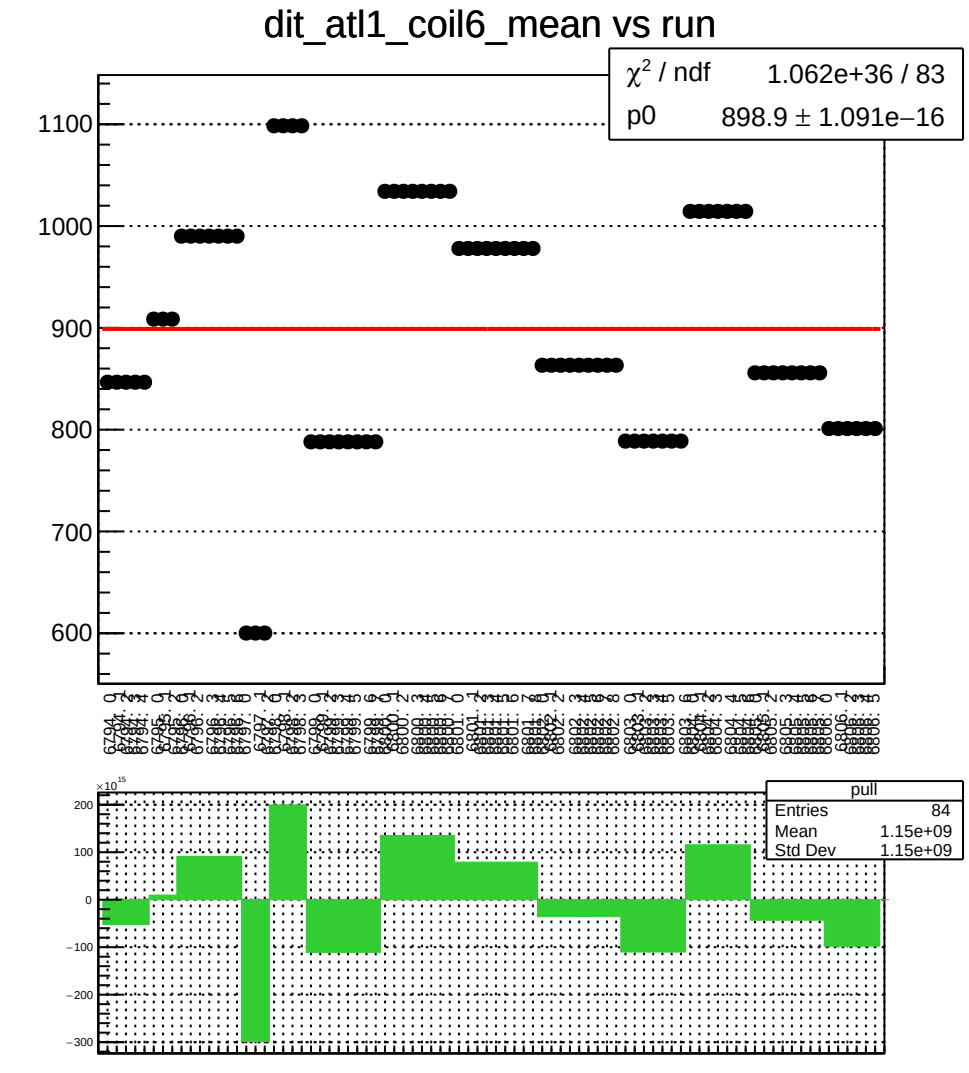

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

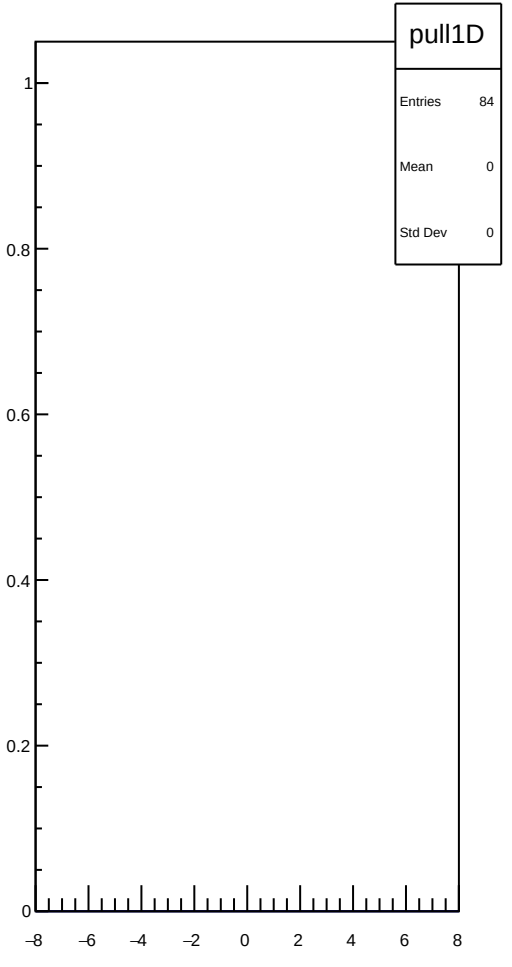

dit_usr_coil6_err_mean vs run
χ² / ndf 1.733e+35 / 83
p0 131.7 ± 1.091e−16
pull
Entries 84
Mean 3.315e+09
Std Dev 3.315e+09

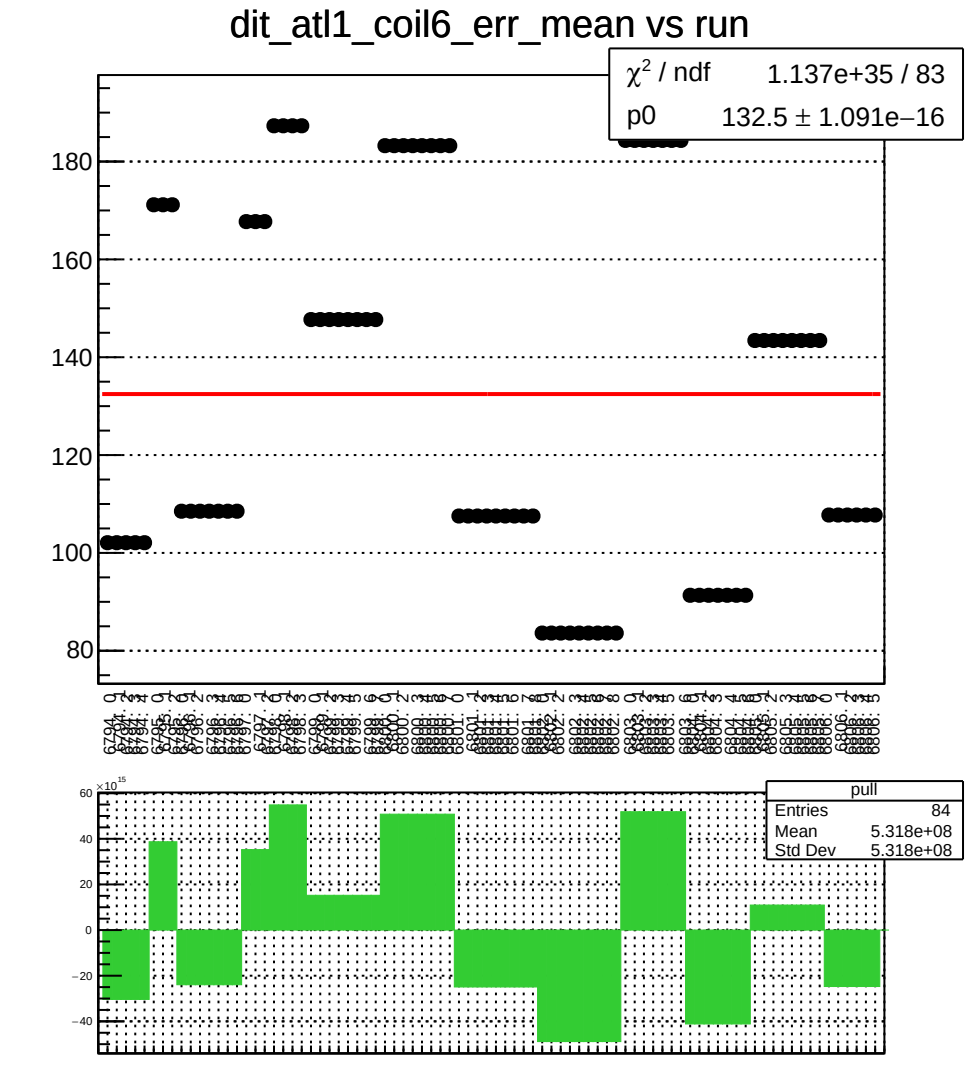

pull1D
Entries 84
Mean 0
Std Dev 0

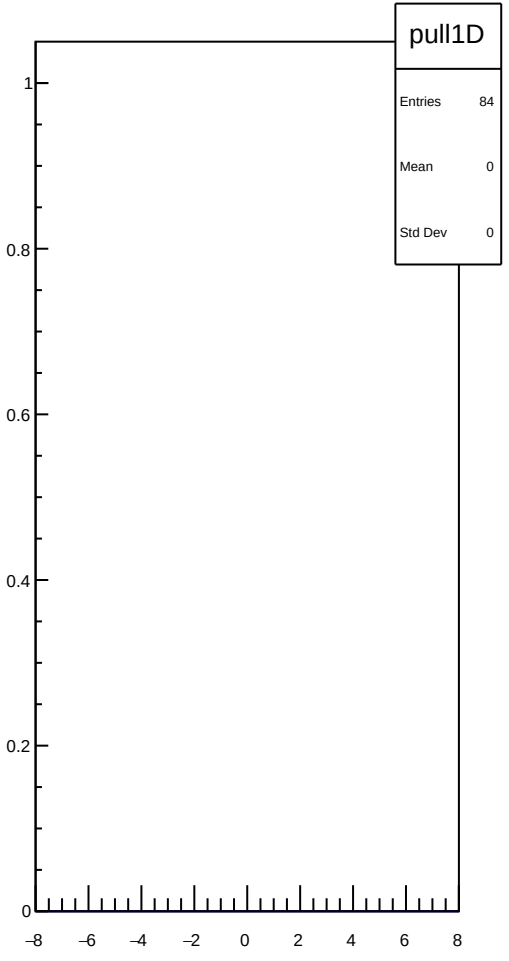

dit_usr_coil6_Ndata_mean vs run
χ² / ndf 2.183e+37 / 83
p0 1115 ± 1.091e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean 1.806e+09
Std Dev 1.806e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600

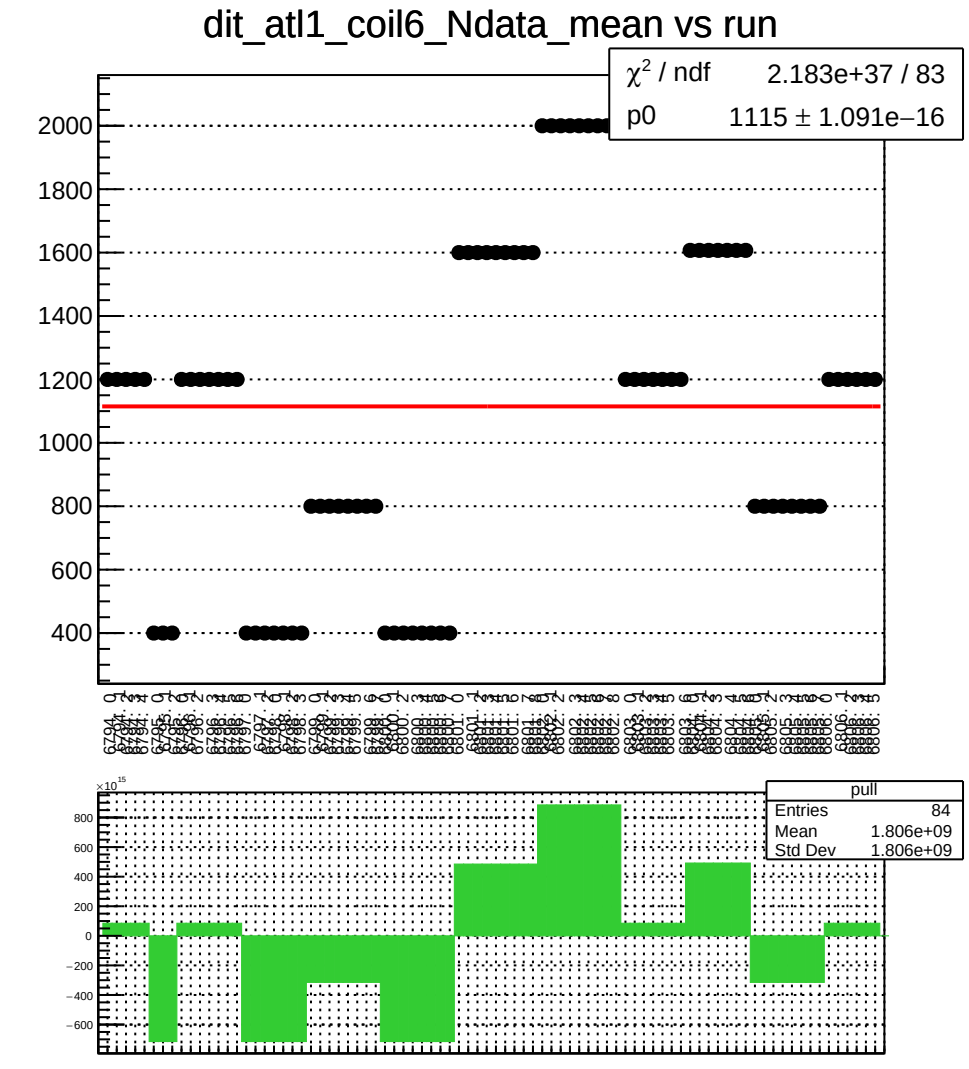

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

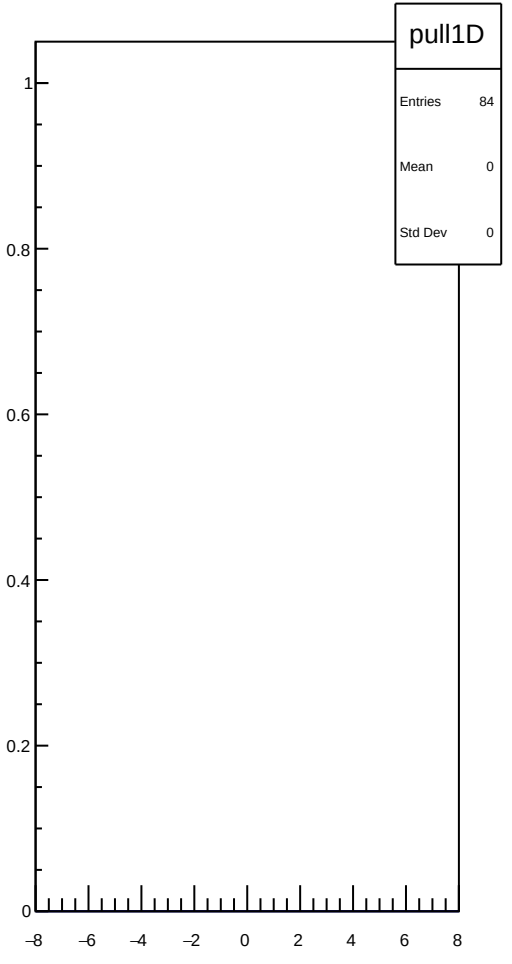

dit_atl1_coil6_mean vs run
χ² / ndf 1.062e+36 / 83
p0 898.9 ± 1.091e−16
1100
1000
900
800
700
600
pull
Entries 84
Mean 1.15e+09
Std Dev 1.15e+09
×10¹⁵
200
100
0
−100
−200
−300

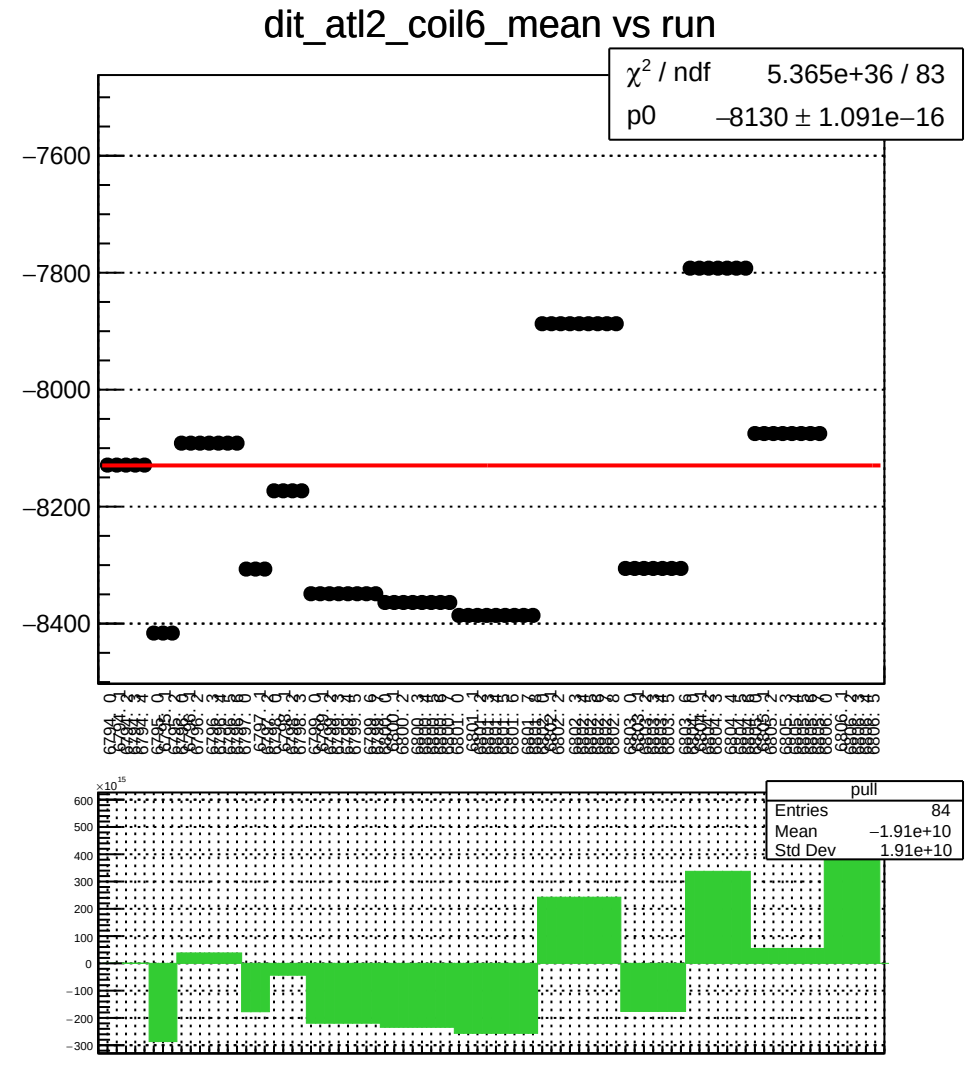

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

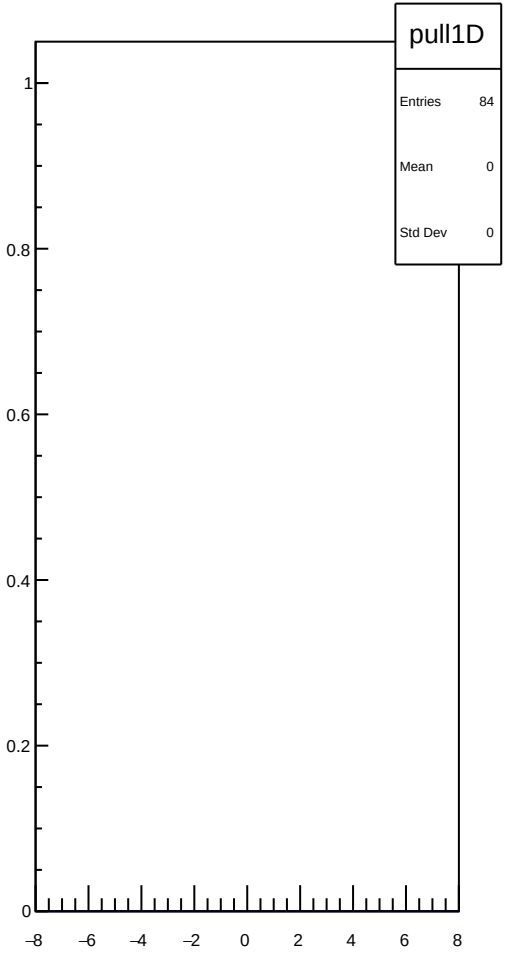

dit_atl1_coil6_err_mean vs run
χ² / ndf 1.137e+35 / 83
p0 132.5 ± 1.091e−16
180
160
140
120
100
80
pull
Entries 84
Mean 5.318e+08
Std Dev 5.318e+08
×10¹⁵
60
40
20
0
−20
−40

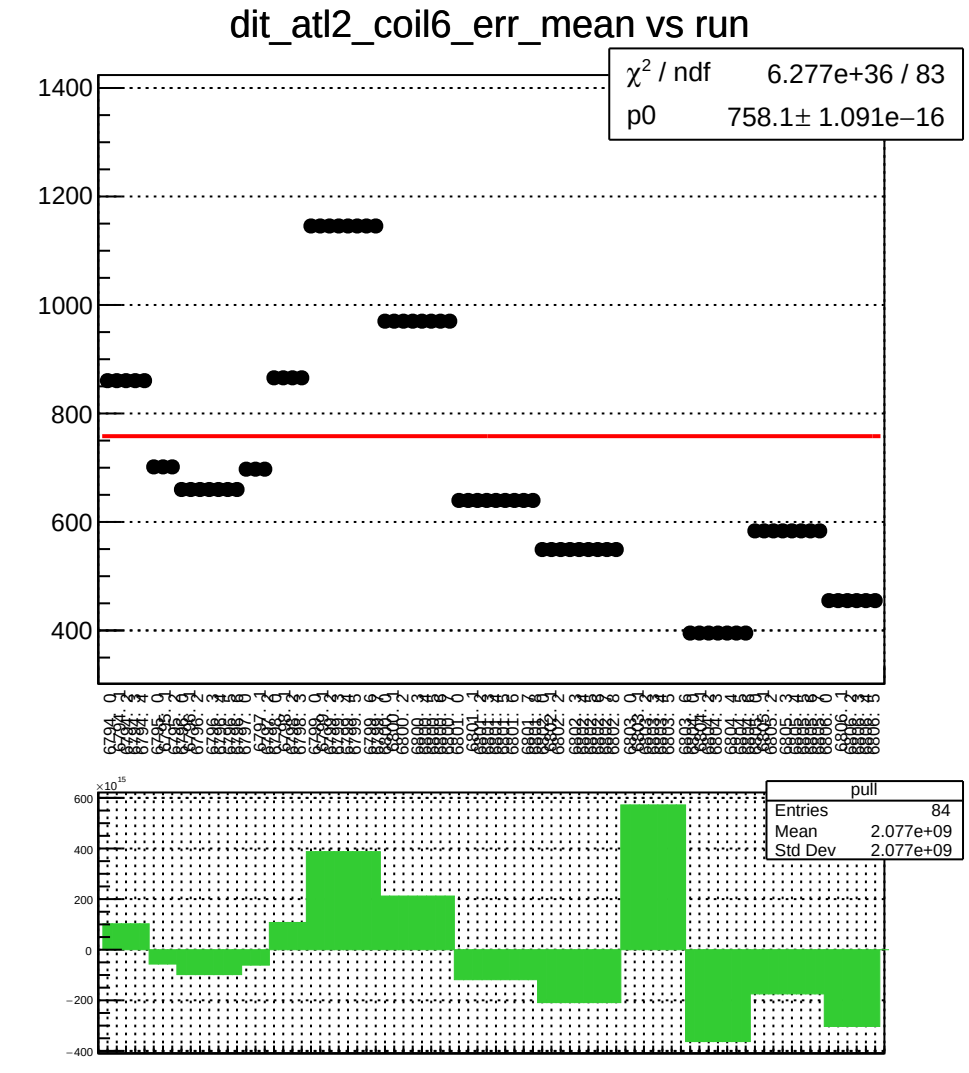

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

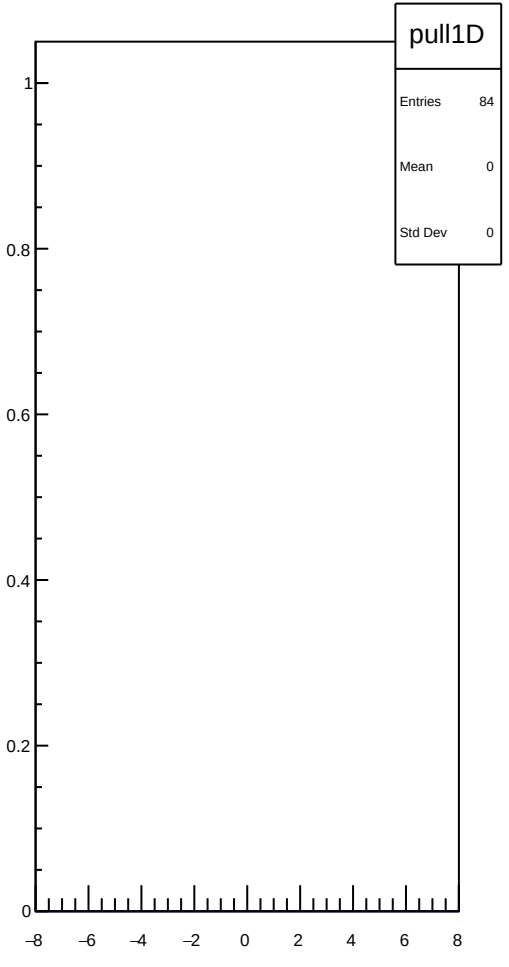

dit_atl1_coil6_Ndata_mean vs run
χ² / ndf 2.183e+37 / 83
p0 1115 ± 1.091e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean 1.806e+09
Std Dev 1.806e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600

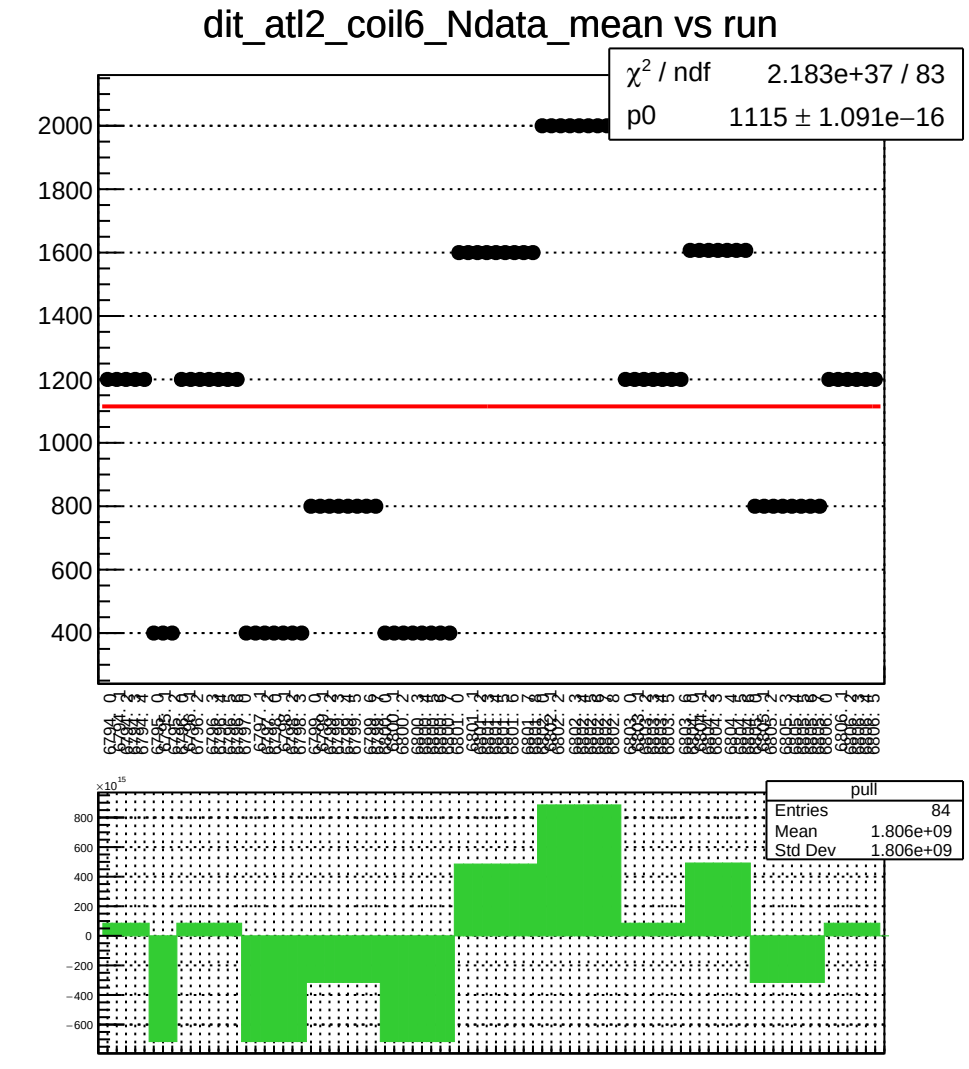

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

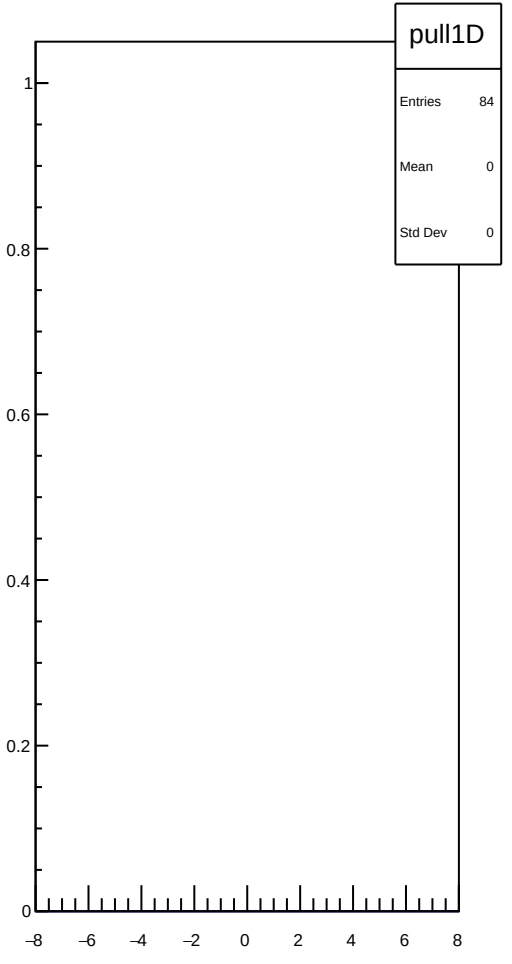

dit_atl2_coil6_mean vs run
χ² / ndf 5.365e+36 / 83
p0 −8130 ± 1.091e−16
−7600
−7800
−8000
−8200
−8400
pull
Entries 84
Mean −1.91e+10
Std Dev 1.91e+10
×10¹⁵
600
500
400
300
200
100
0
−100
−200
−300

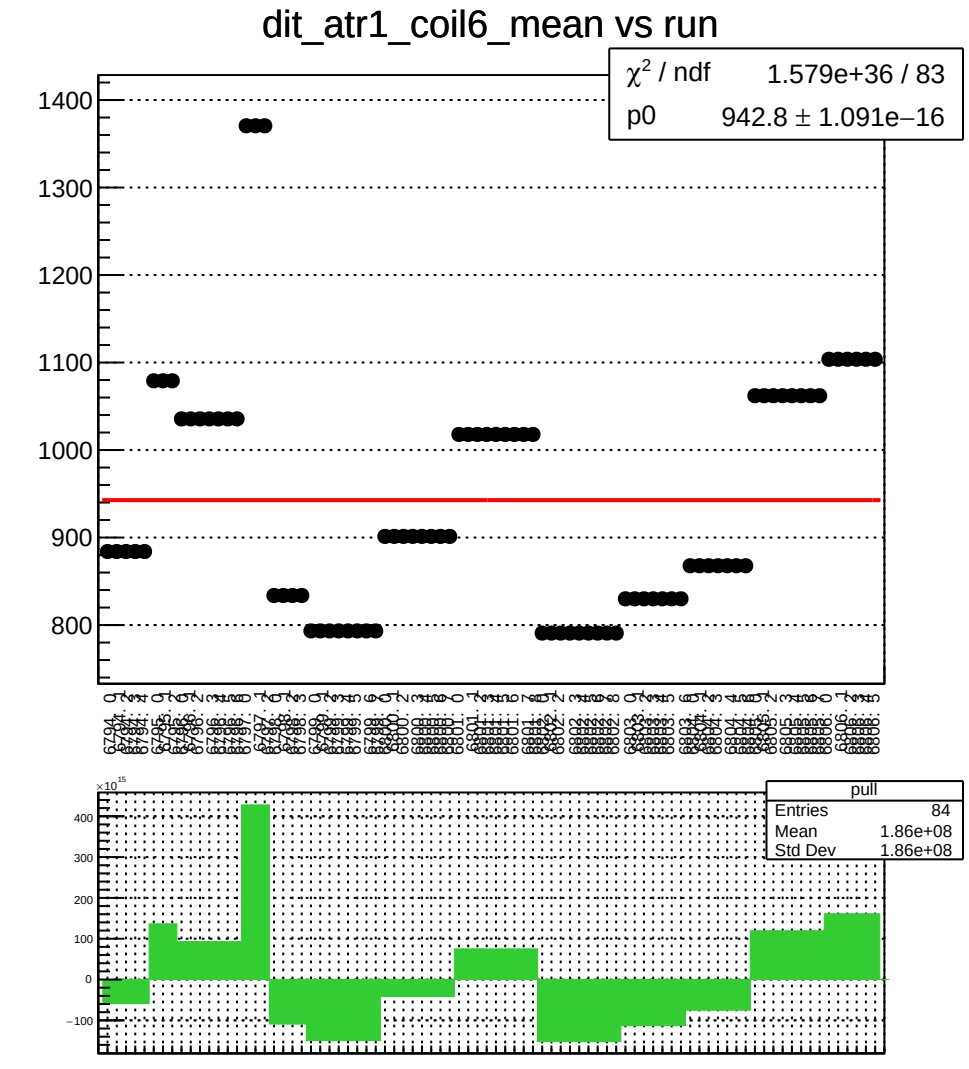

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

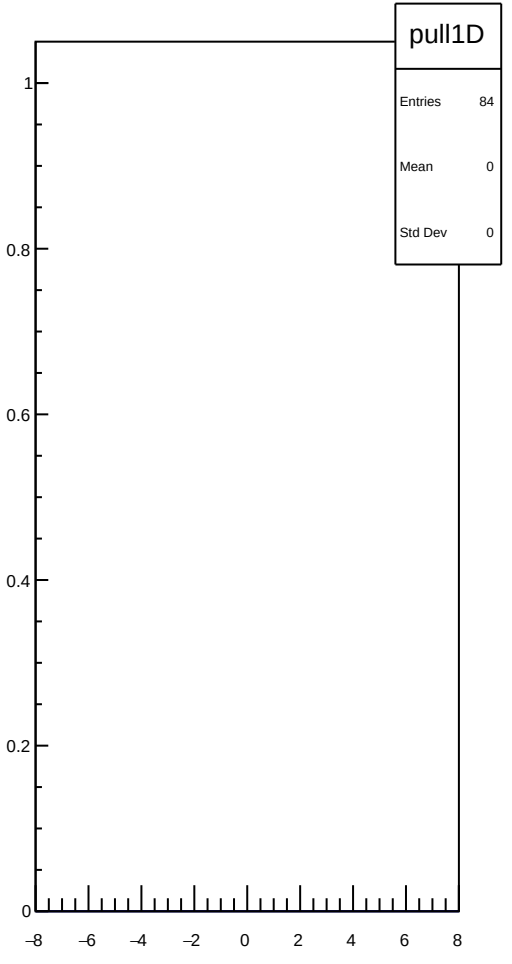

dit_atl2_coil6_err_mean vs run
χ² / ndf 6.277e+36 / 83
p0 758.1± 1.091e−16
1400
1200
1000
800
600
400
pull
Entries 84
Mean 2.077e+09
Std Dev 2.077e+09
×10¹⁵
600
400
200
0
−200
−400

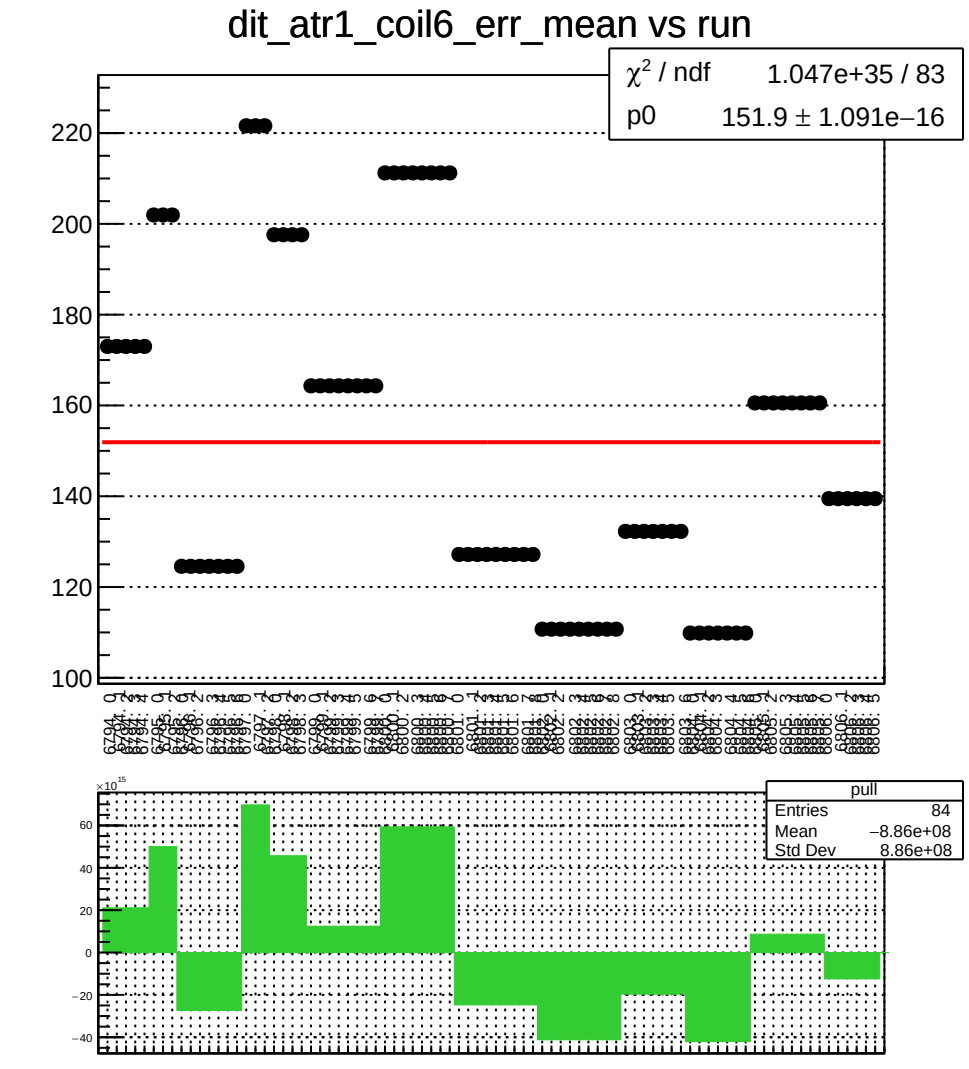

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

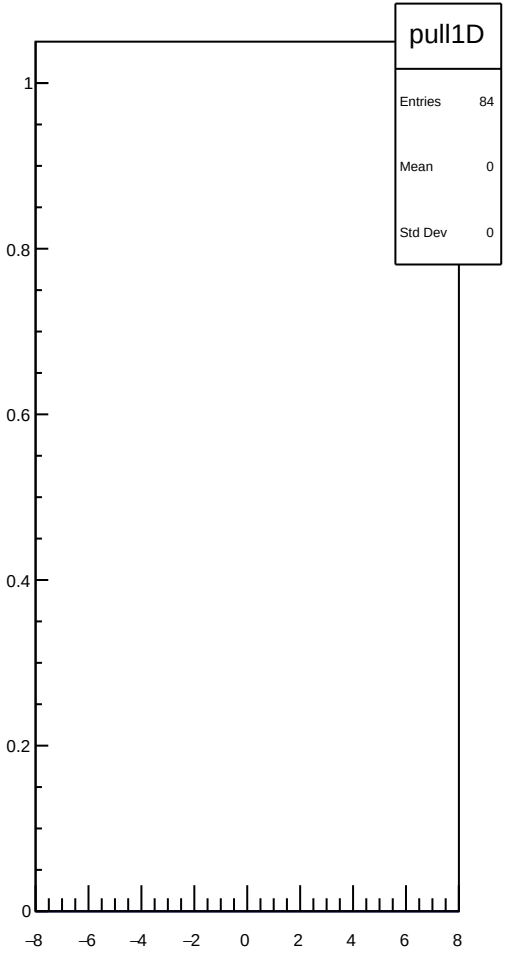

dit_atl2_coil6_Ndata_mean vs run
χ² / ndf 2.183e+37 / 83
p0 1115 ± 1.091e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean 1.806e+09
Std Dev 1.806e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600

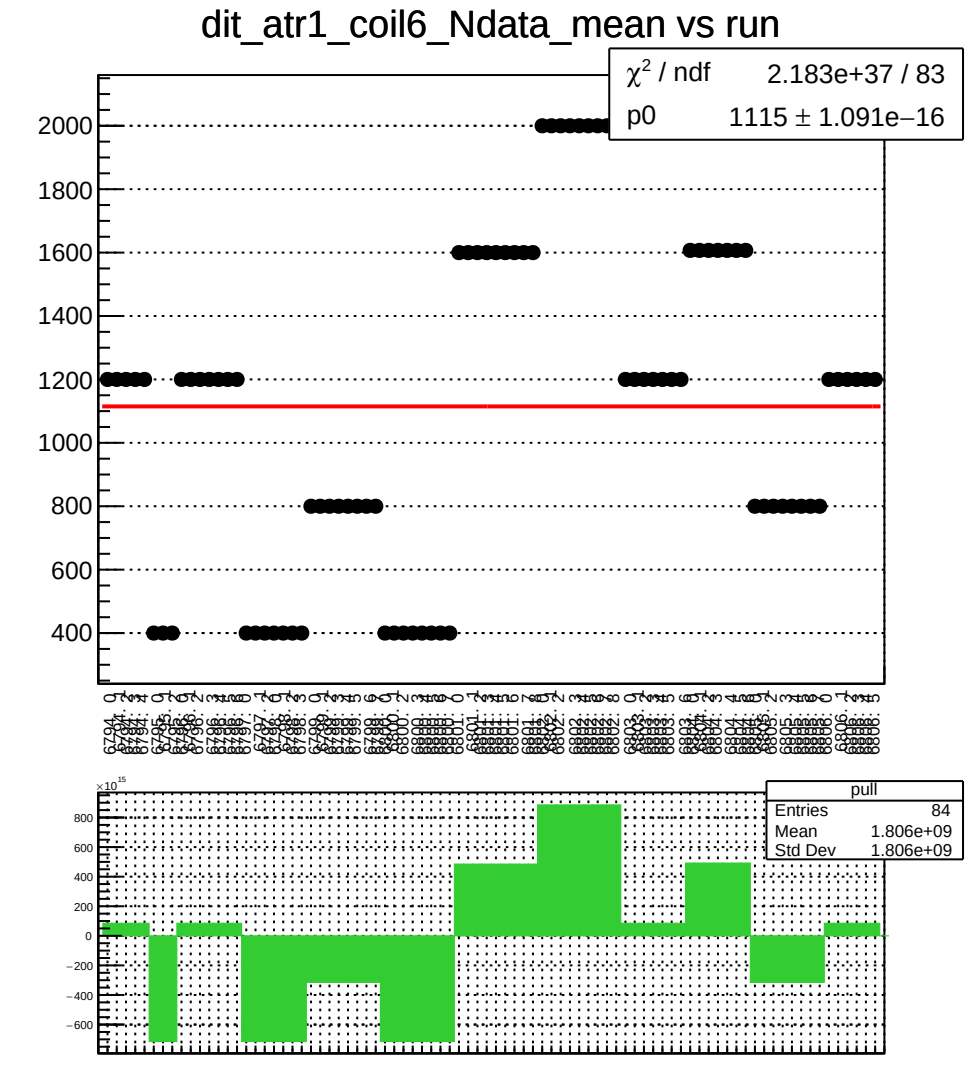

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

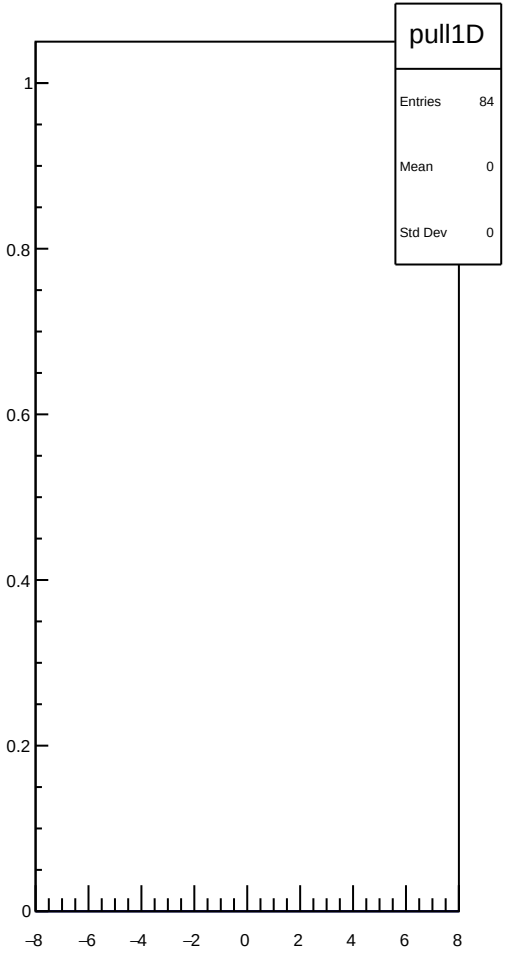

dit_atr1_coil6_mean vs run
χ² / ndf 1.579e+36 / 83
p0 942.8 ± 1.091e−16
1400
1300
1200
1100
1000
900
800
pull
Entries 84
Mean 1.86e+08
Std Dev 1.86e+08
×10¹⁵
400
300
200
100
0
−100

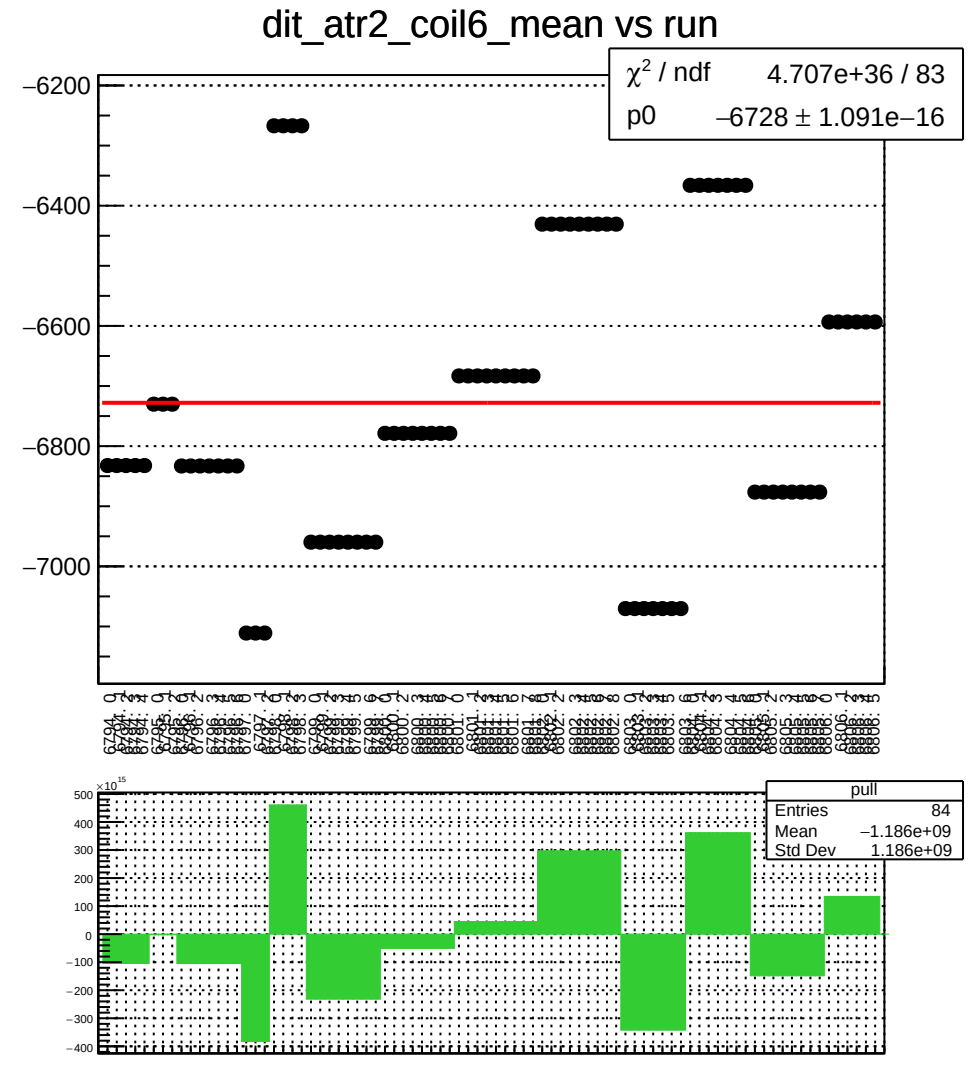

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

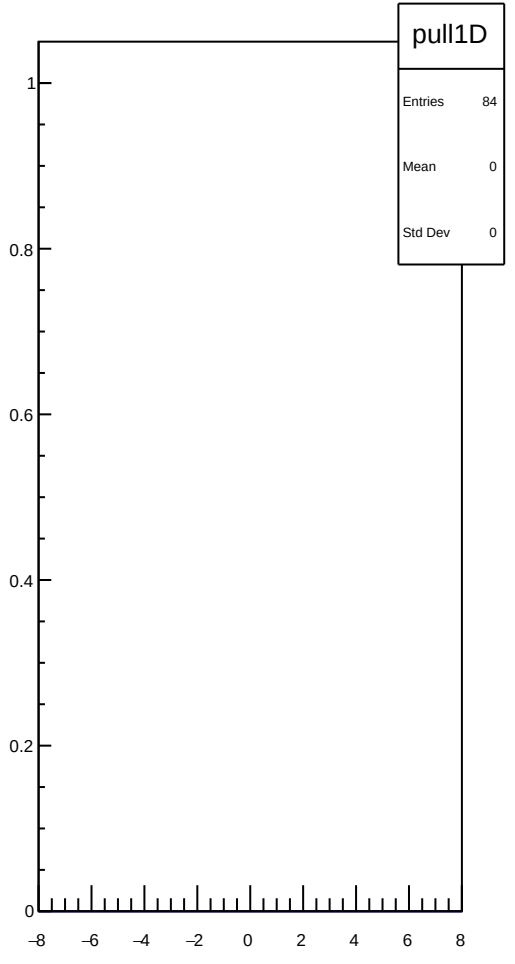

dit_atr1_coil6_err_mean vs run
χ² / ndf 1.047e+35 / 83
p0 151.9 ± 1.091e−16
pull
Entries 84
Mean −8.86e+08
Std Dev 8.86e+08
×10¹⁵

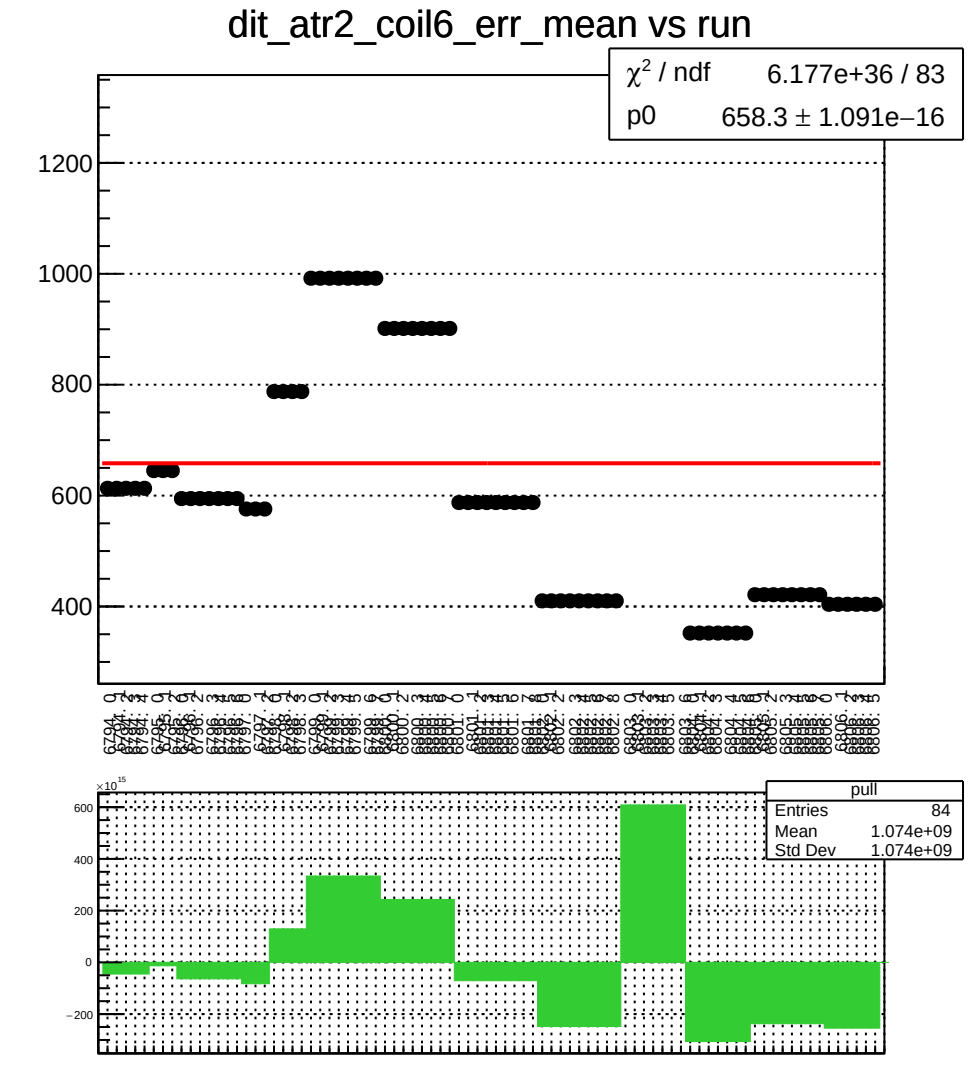

pull1D
Entries 84
Mean 0
Std Dev 0

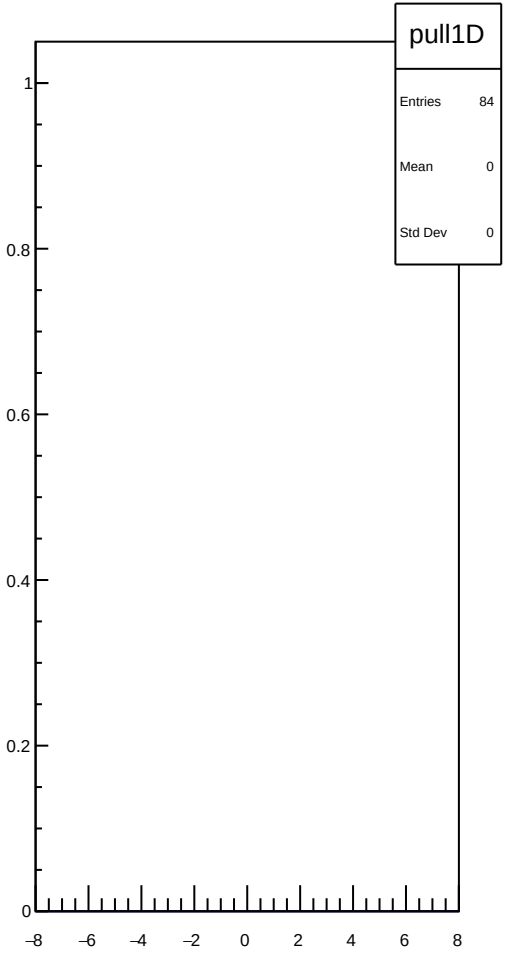

dit_atr1_coil6_Ndata_mean vs run
χ² / ndf 2.183e+37 / 83
p0 1115 ± 1.091e−16
2000
1800
1600
1400
1200
1000
800
600
400
×10¹⁵
800
600
400
200
0
−200
−400
−600
pull
Entries 84
Mean 1.806e+09
Std Dev 1.806e+09

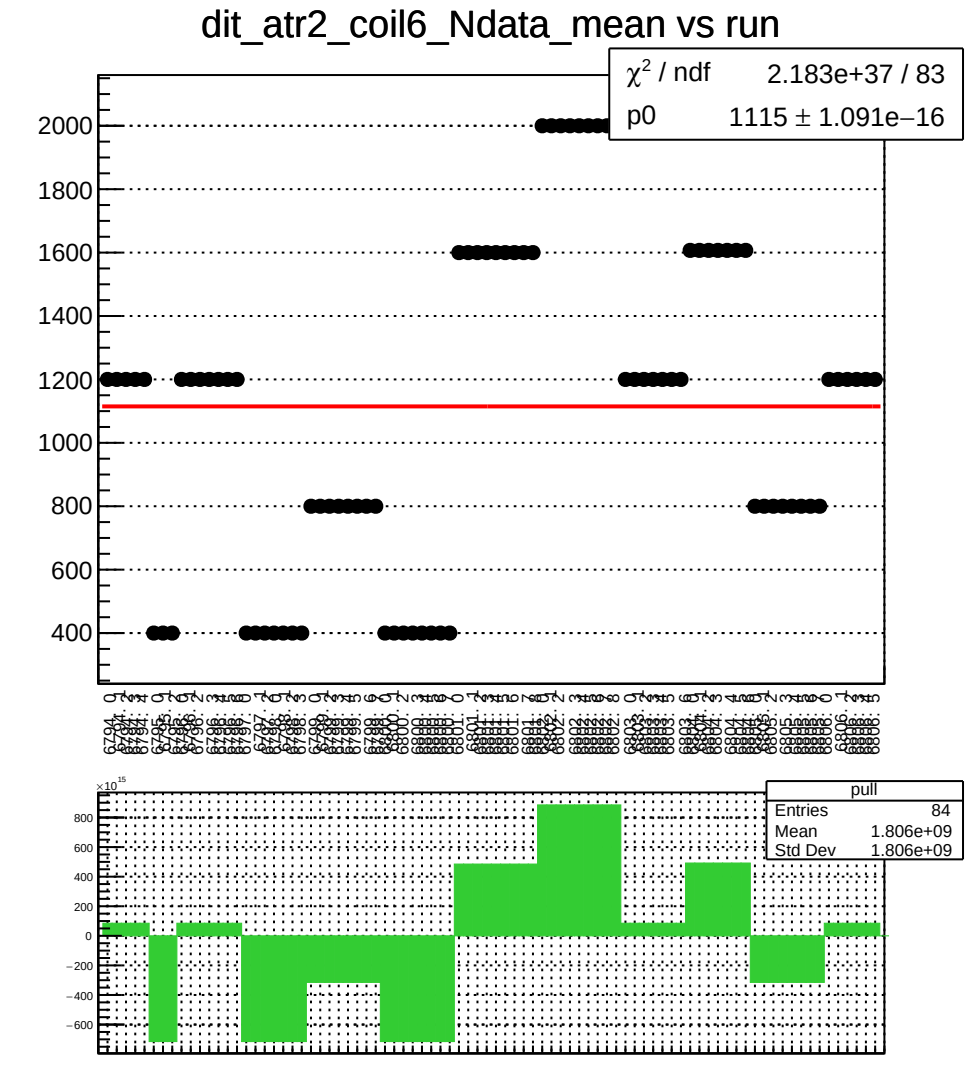

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

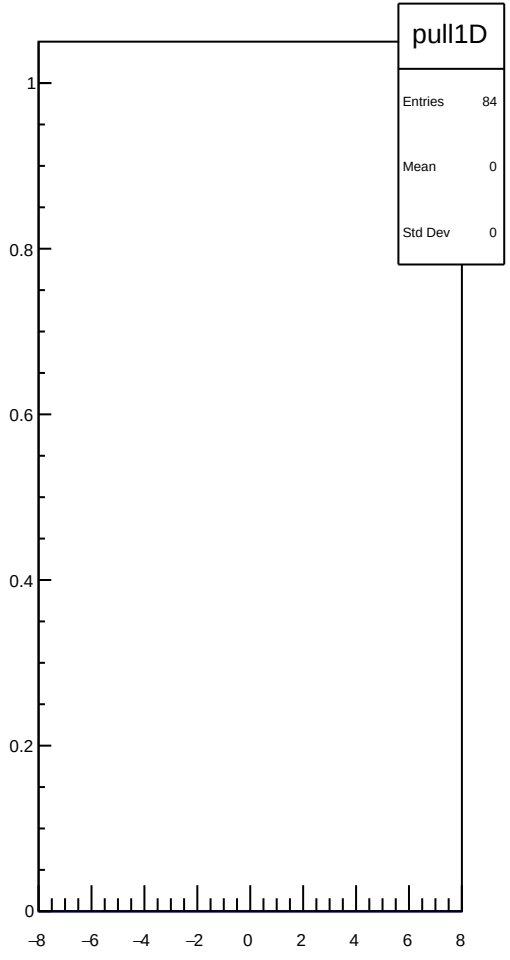

dit_atr2_coil6_mean vs run
χ² / ndf 4.707e+36 / 83
p0 −6728 ± 1.091e−16
−6200
−6400
−6600
−6800
−7000
pull
Entries 84
Mean −1.186e+09
Std Dev 1.186e+09
×10¹⁵
500
400
300
200
100
0
−100
−200
−300
−400

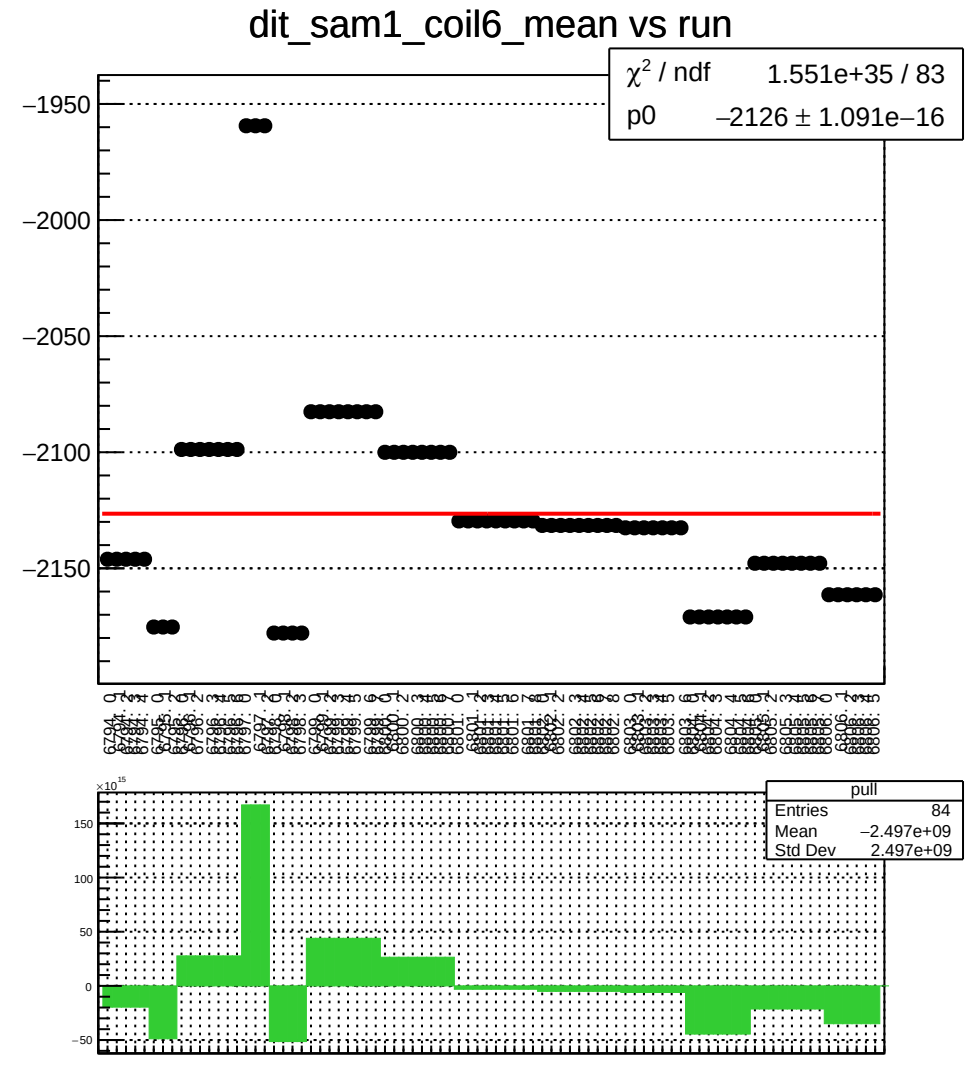

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

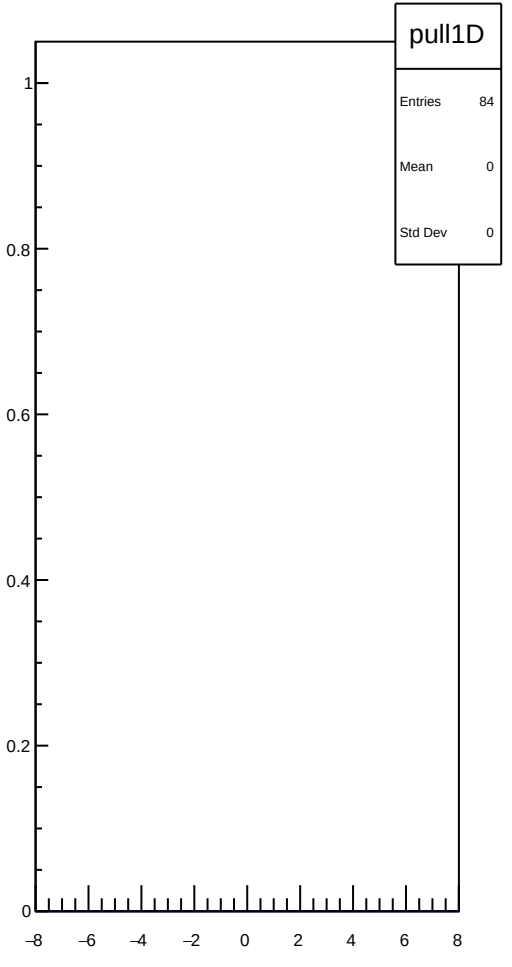

dit_atr2_coil6_err_mean vs run
χ² / ndf 6.177e+36 / 83
p0 658.3 ± 1.091e−16
1200
1000
800
600
400
pull
Entries 84
Mean 1.074e+09
Std Dev 1.074e+09
×10¹⁵
600
400
200
0
−200

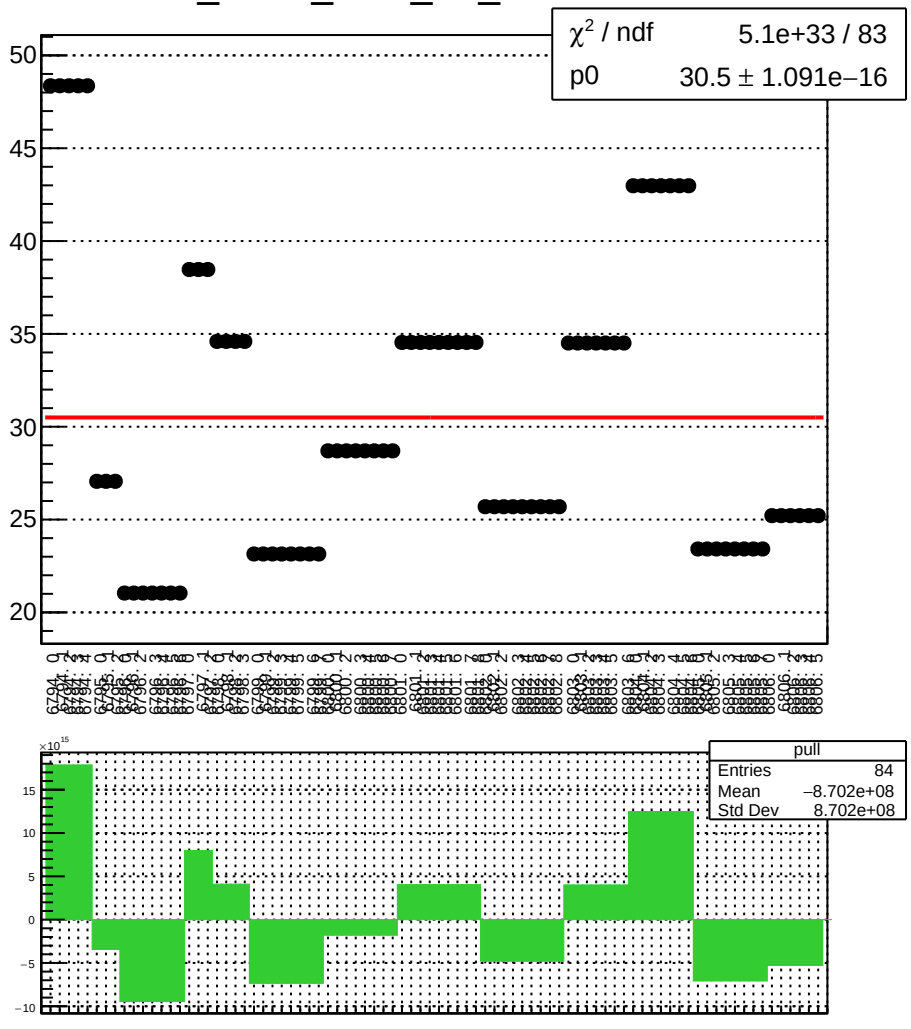

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

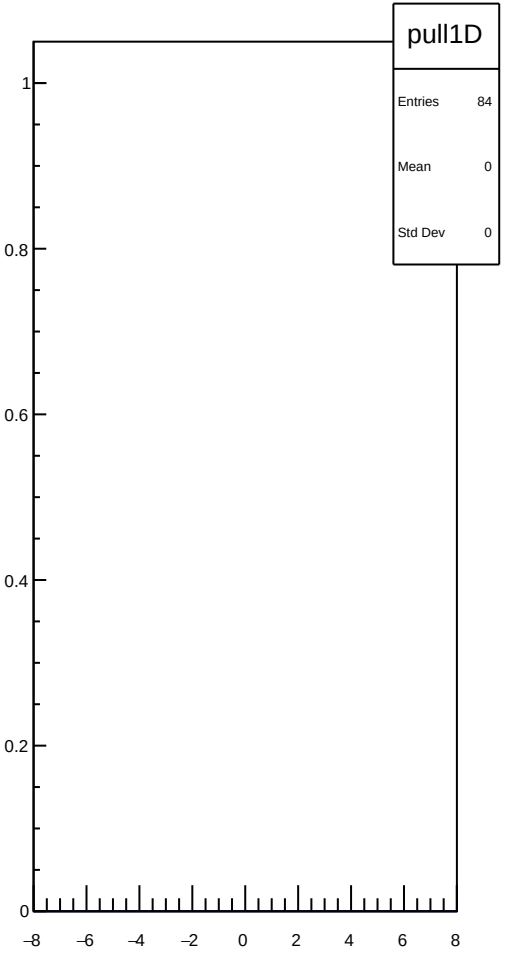

dit_atr2_coil6_Ndata_mean vs run
χ² / ndf 2.183e+37 / 83
p0 1115 ± 1.091e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean 1.806e+09
Std Dev 1.806e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600

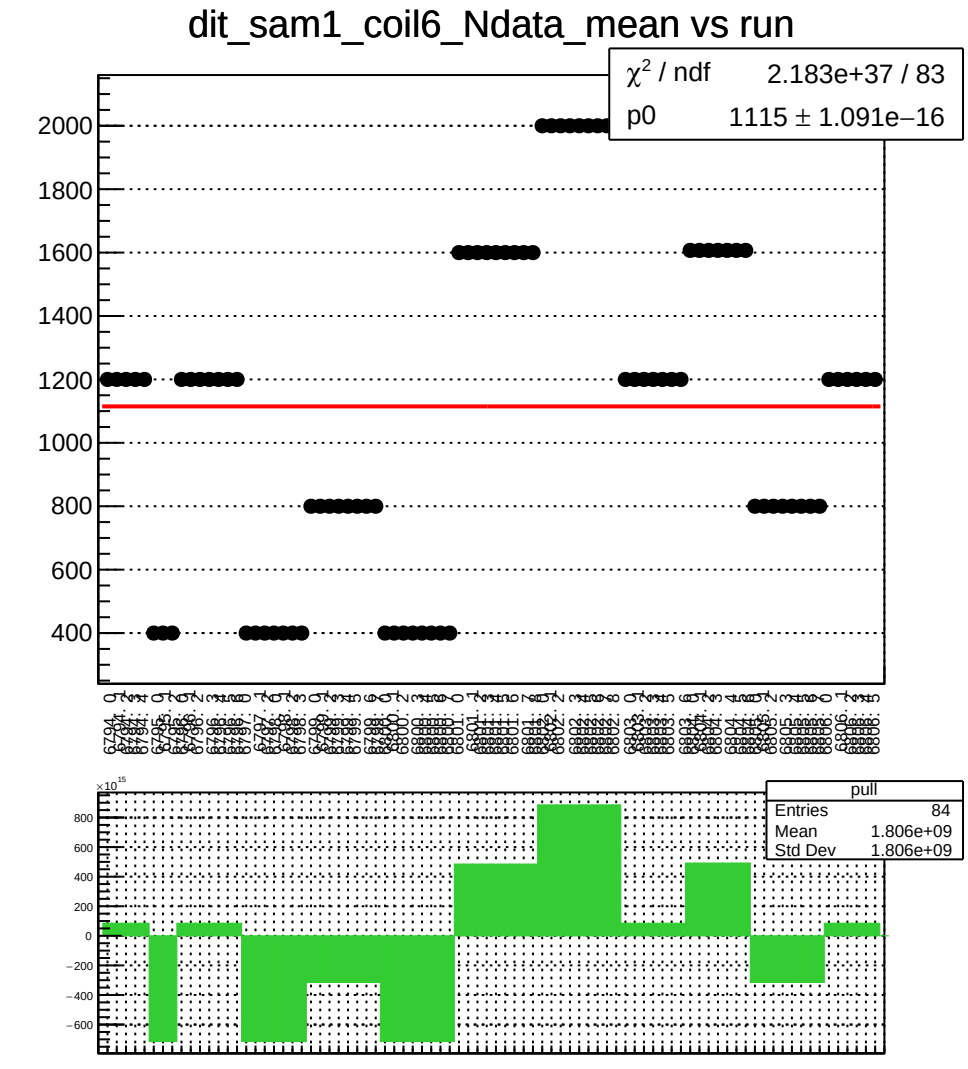

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

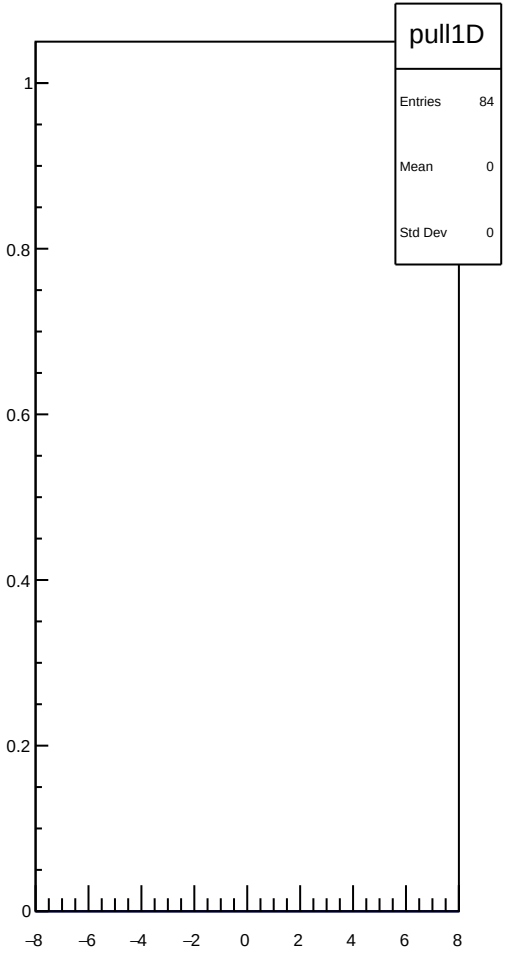

dit_sam1_coil6_mean vs run
χ² / ndf 1.551e+35 / 83
p0 −2126 ± 1.091e−16
−1950
−2000
−2050
−2100
−2150
pull
Entries 84
Mean −2.497e+09
Std Dev 2.497e+09
×10¹⁵
150
100
50
0
−50

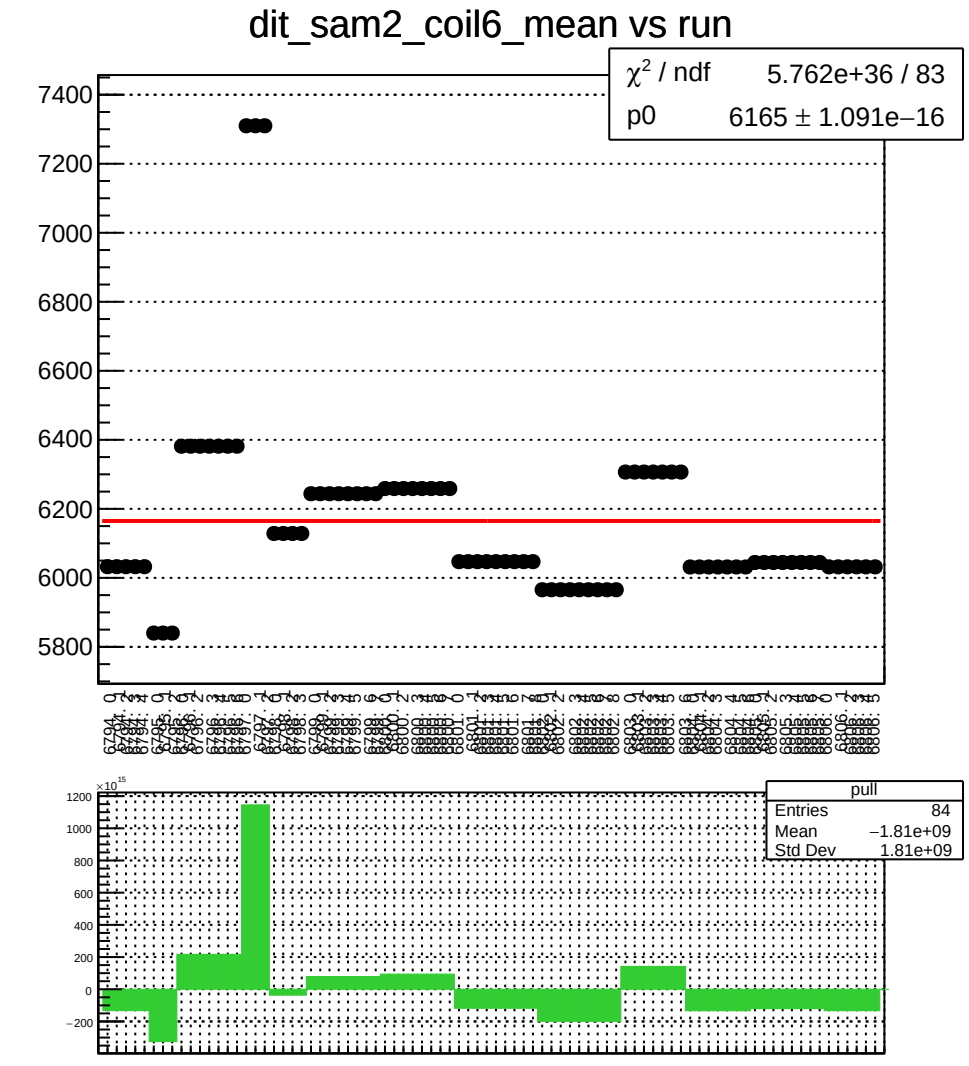

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

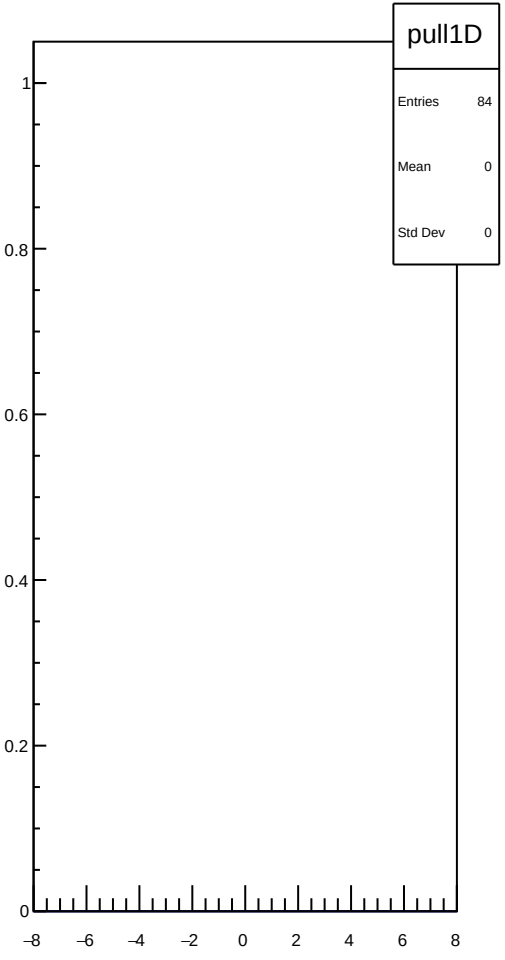

dit_sam1_coil6_err_mean vs run
χ² / ndf 5.1e+33 / 83
p0 30.5 ± 1.091e−16
pull
Entries 84
Mean −8.702e+08
Std Dev 8.702e+08

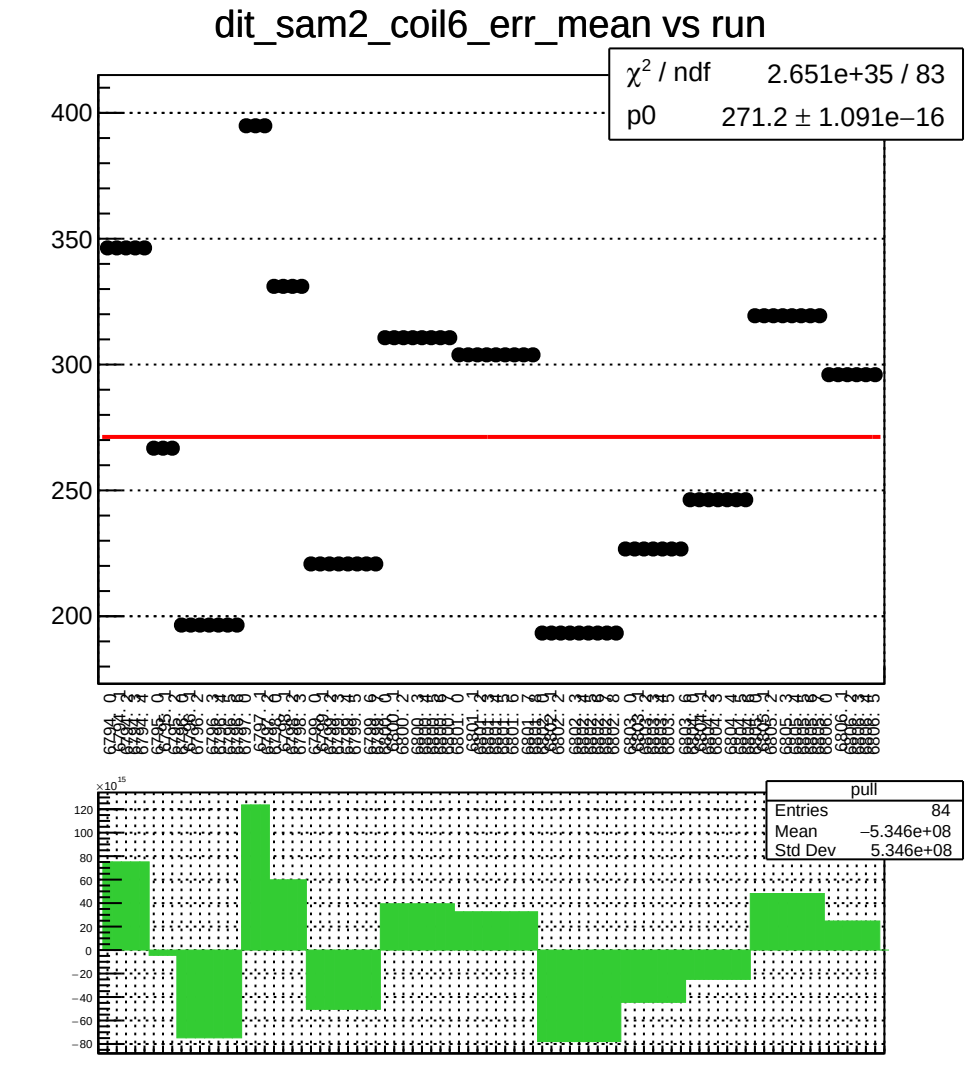

pull1D
Entries 84
Mean 0
Std Dev 0

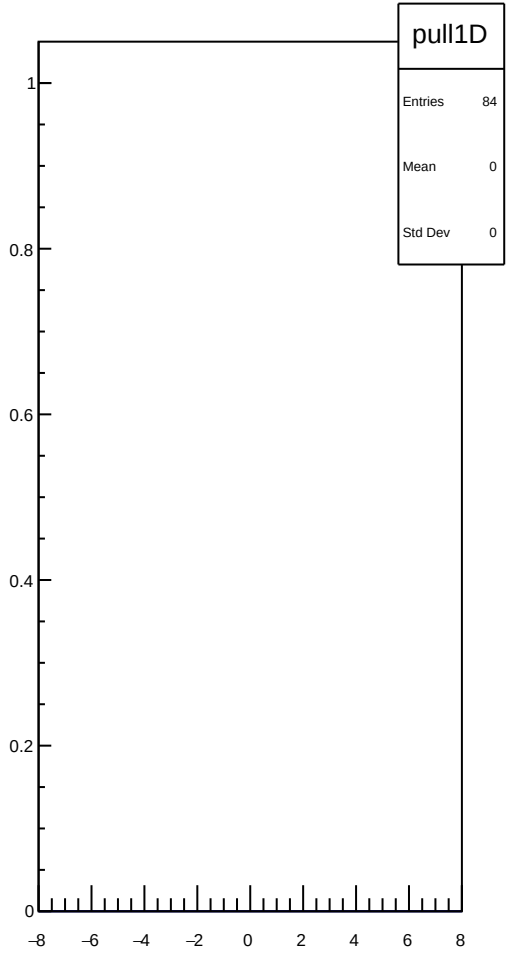

dit_sam1_coil6_Ndata_mean vs run
χ² / ndf 2.183e+37 / 83
p0 1115 ± 1.091e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean 1.806e+09
Std Dev 1.806e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600

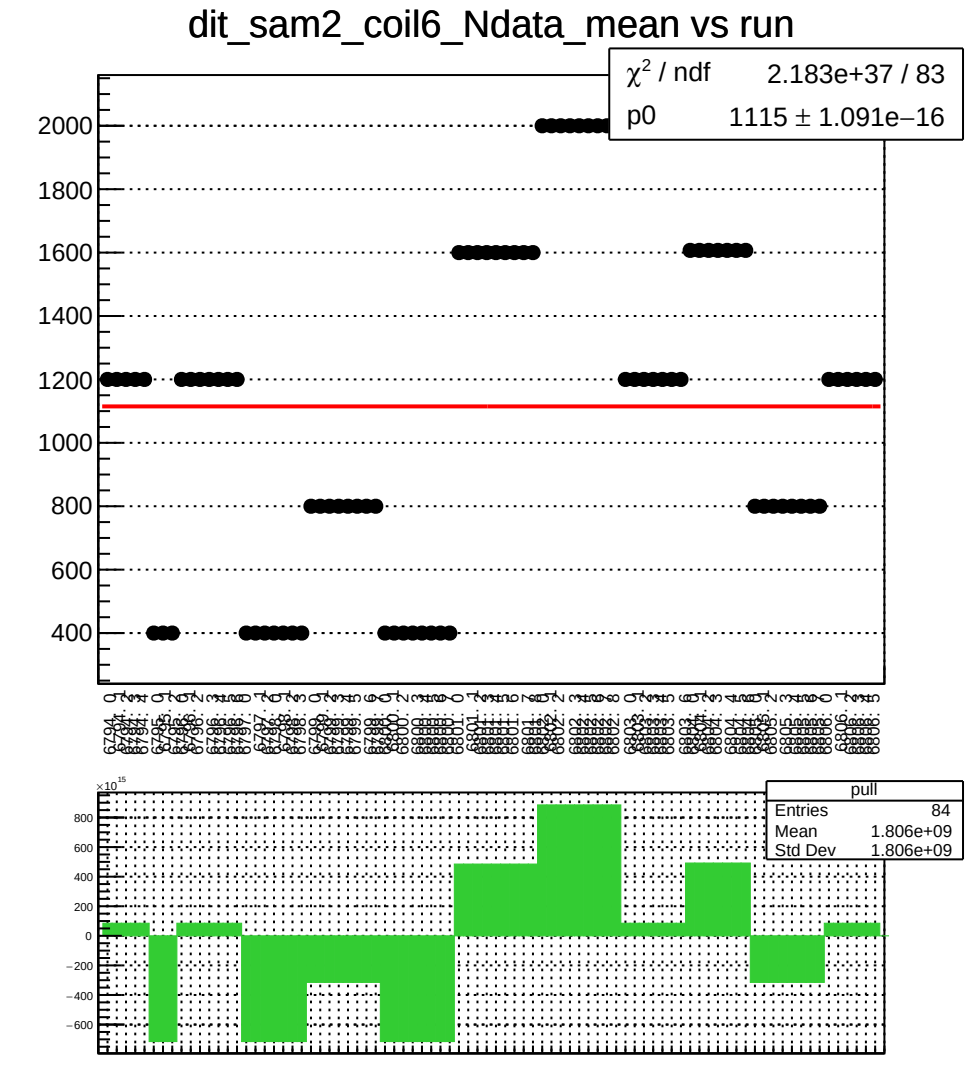

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

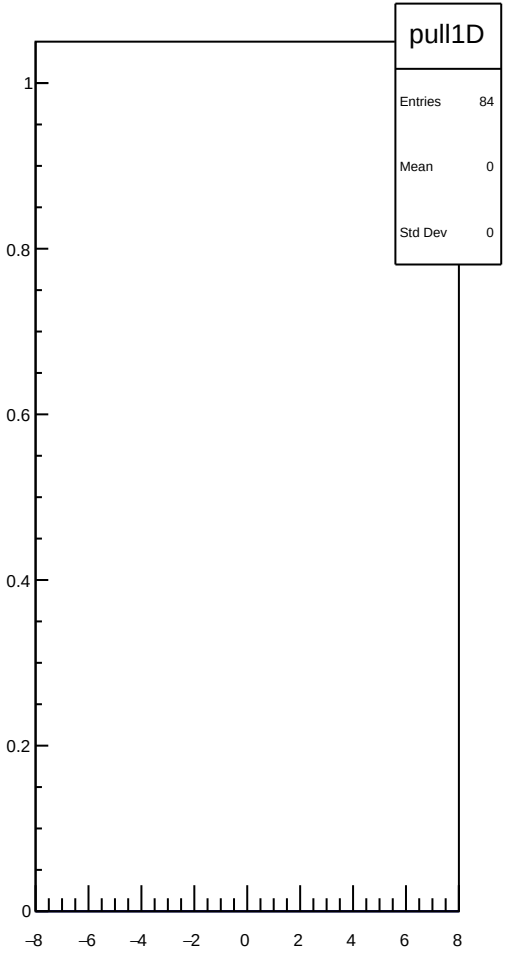

dit_sam2_coil6_mean vs run
χ² / ndf 5.762e+36 / 83
p0 6165 ± 1.091e−16
pull
Entries 84
Mean −1.81e+09
Std Dev 1.81e+09

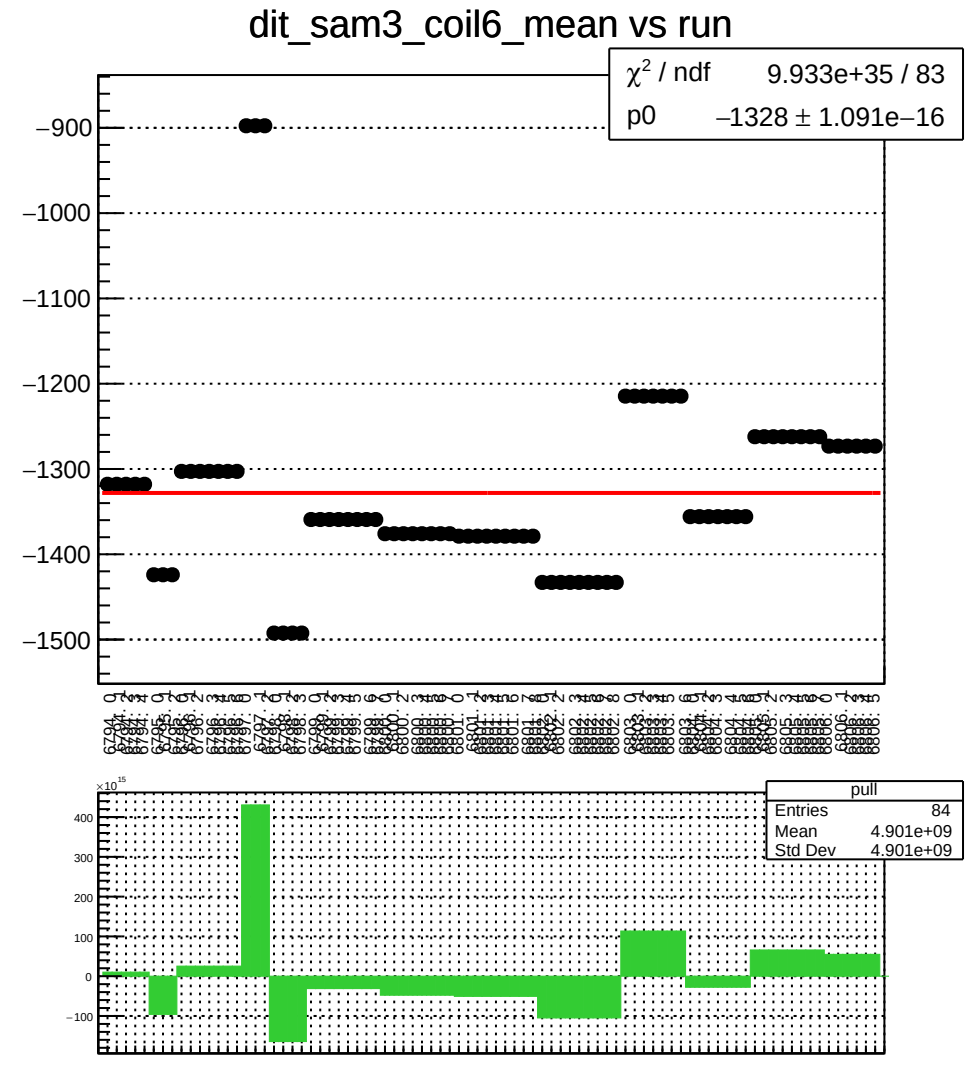

pull1D
Entries 84
Mean 0
Std Dev 0

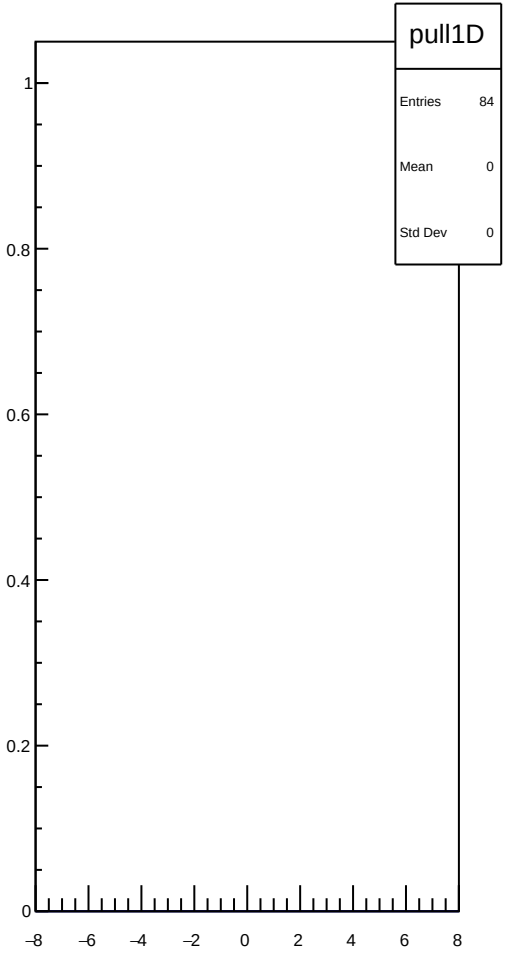

dit_sam2_coil6_err_mean vs run
χ² / ndf 2.651e+35 / 83
p0 271.2 ± 1.091e−16
400
350
300
250
200
pull
Entries 84
Mean −5.346e+08
Std Dev 5.346e+08
×10¹⁵
120
100
80
60
40
20
0
−20
−40
−60
−80

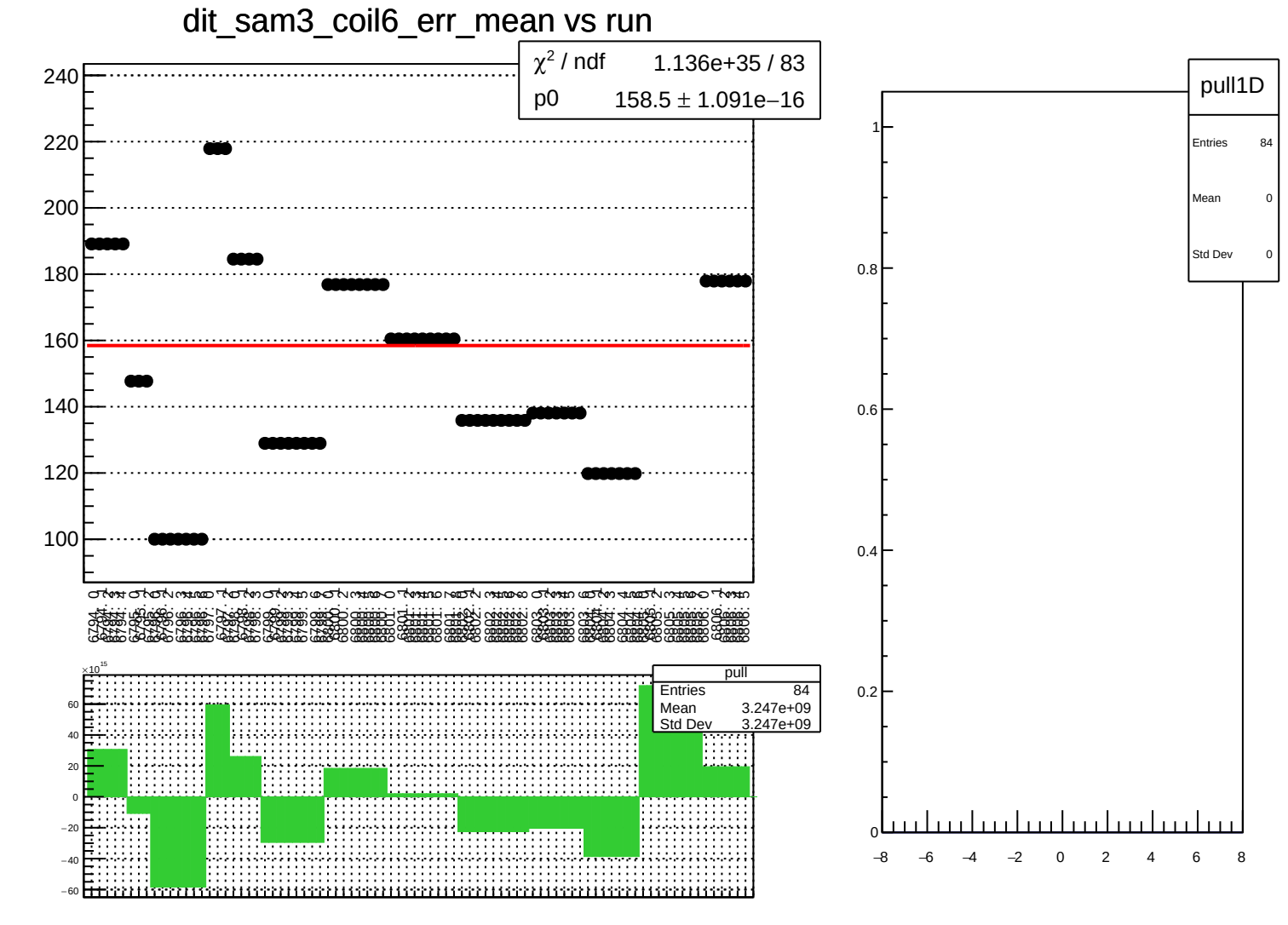

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

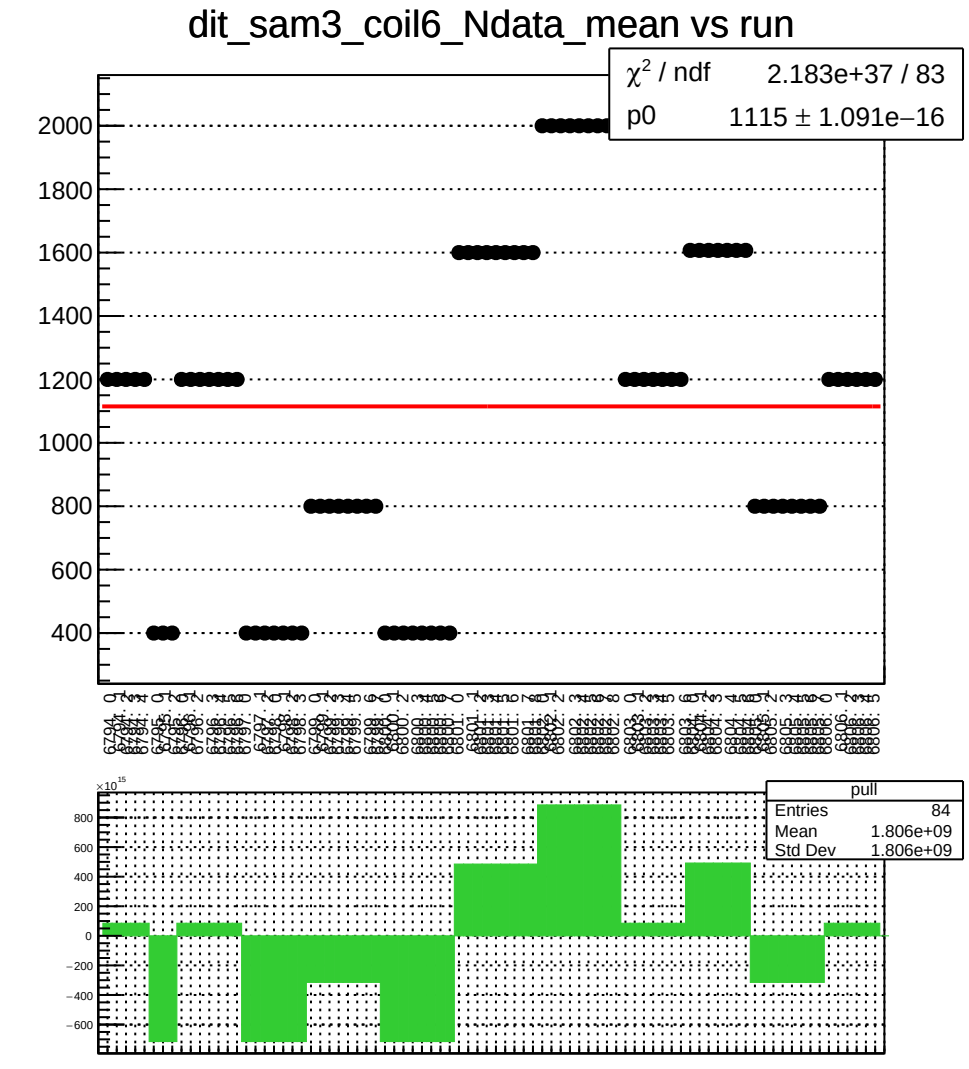

dit_sam2_coil6_Ndata_mean vs run
χ² / ndf 2.183e+37 / 83
p0 1115 ± 1.091e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean 1.806e+09
Std Dev 1.806e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600

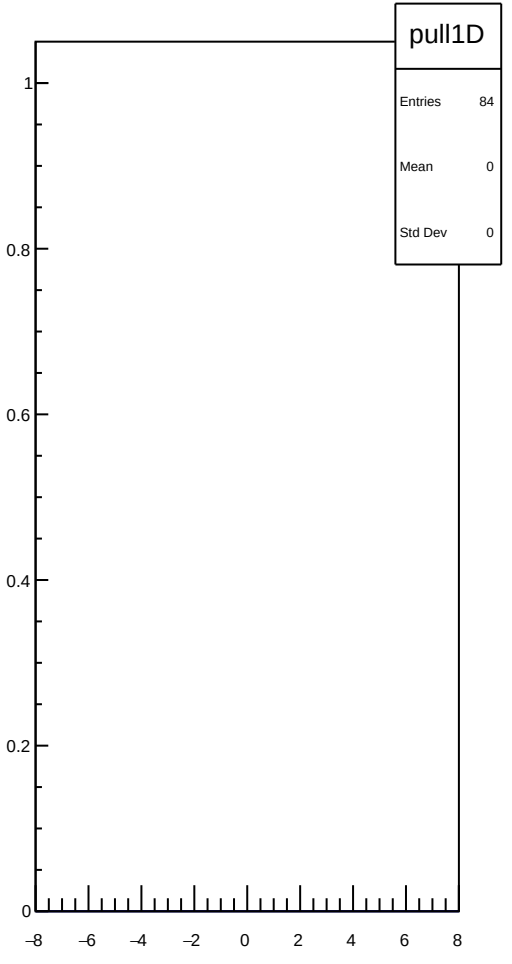

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

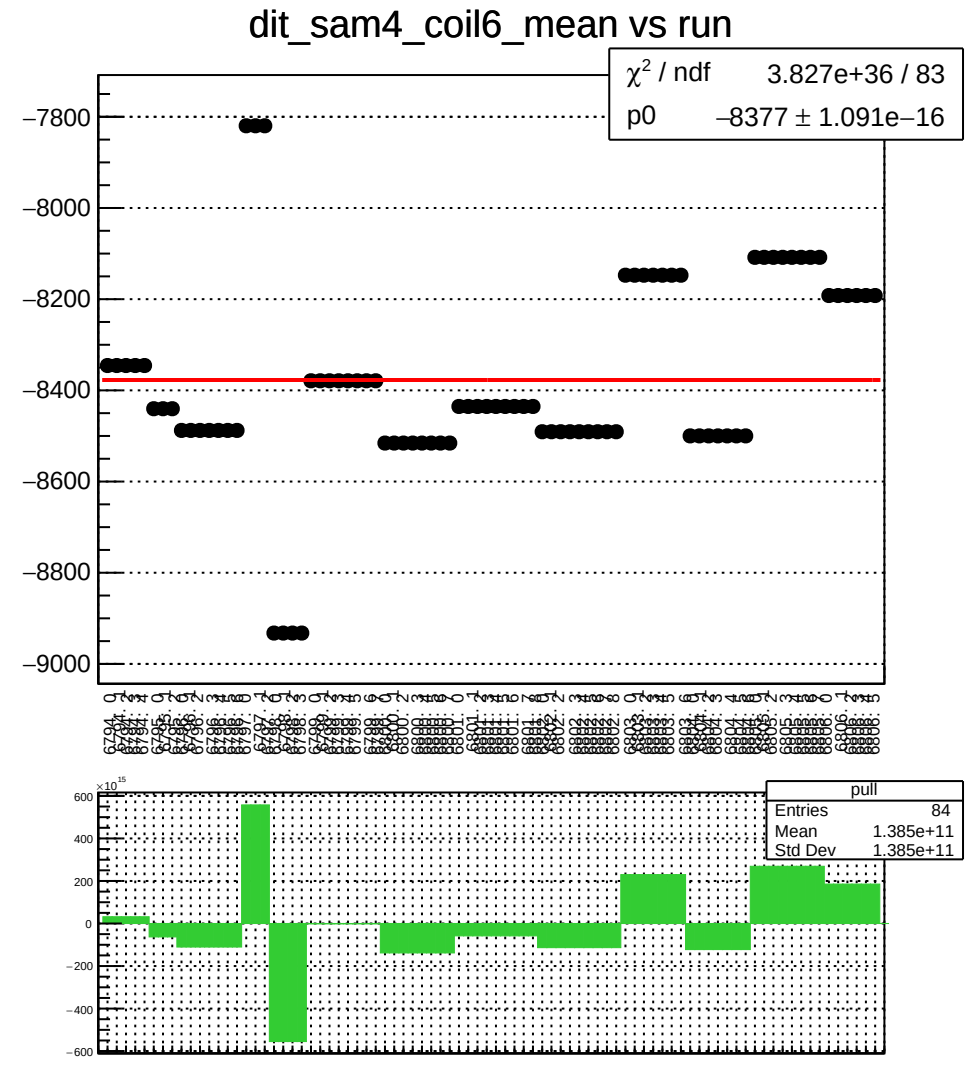

dit_sam3_coil6_mean vs run
χ² / ndf 9.933e+35 / 83
p0 −1328 ± 1.091e−16
−900
−1000
−1100
−1200
−1300
−1400
−1500
pull
Entries 84
Mean 4.901e+09
Std Dev 4.901e+09
×10¹⁵
400
300
200
100
0
−100

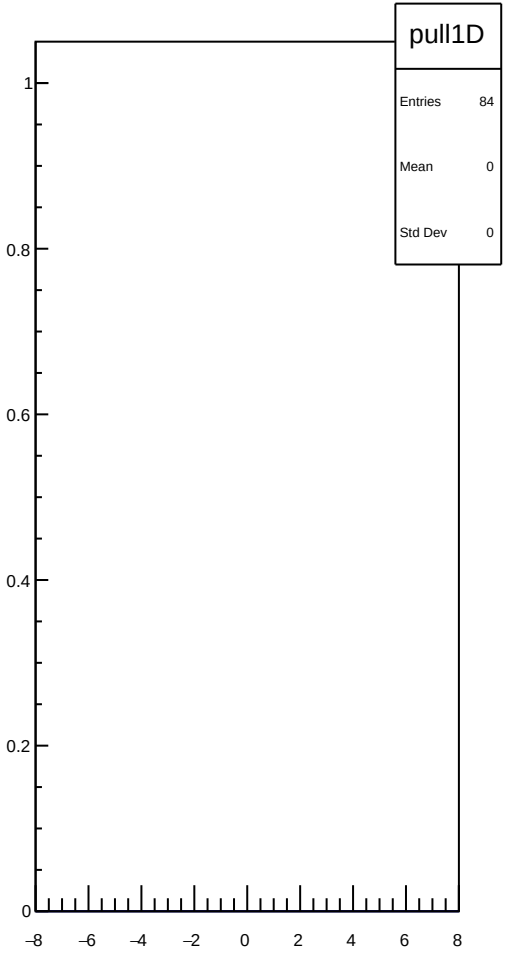

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

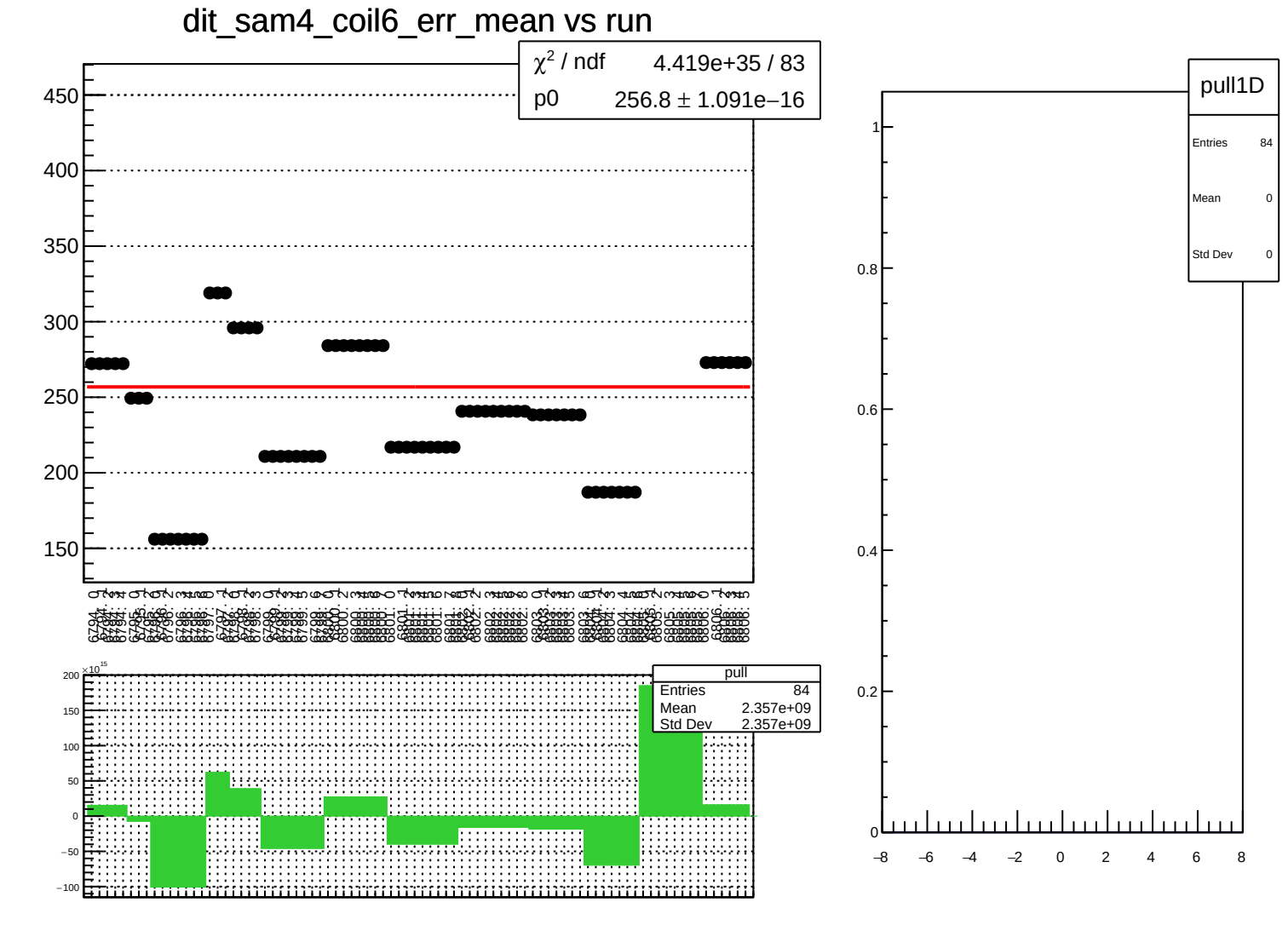

dit_sam3_coil6_err_mean vs run
χ² / ndf 1.136e+35 / 83
p0 158.5 ± 1.091e−16
240
220
200
180
160
140
120
100
pull
Entries 84
Mean 3.247e+09
Std Dev 3.247e+09
×10¹⁵
60
40
20
0
−20
−40
−60
pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

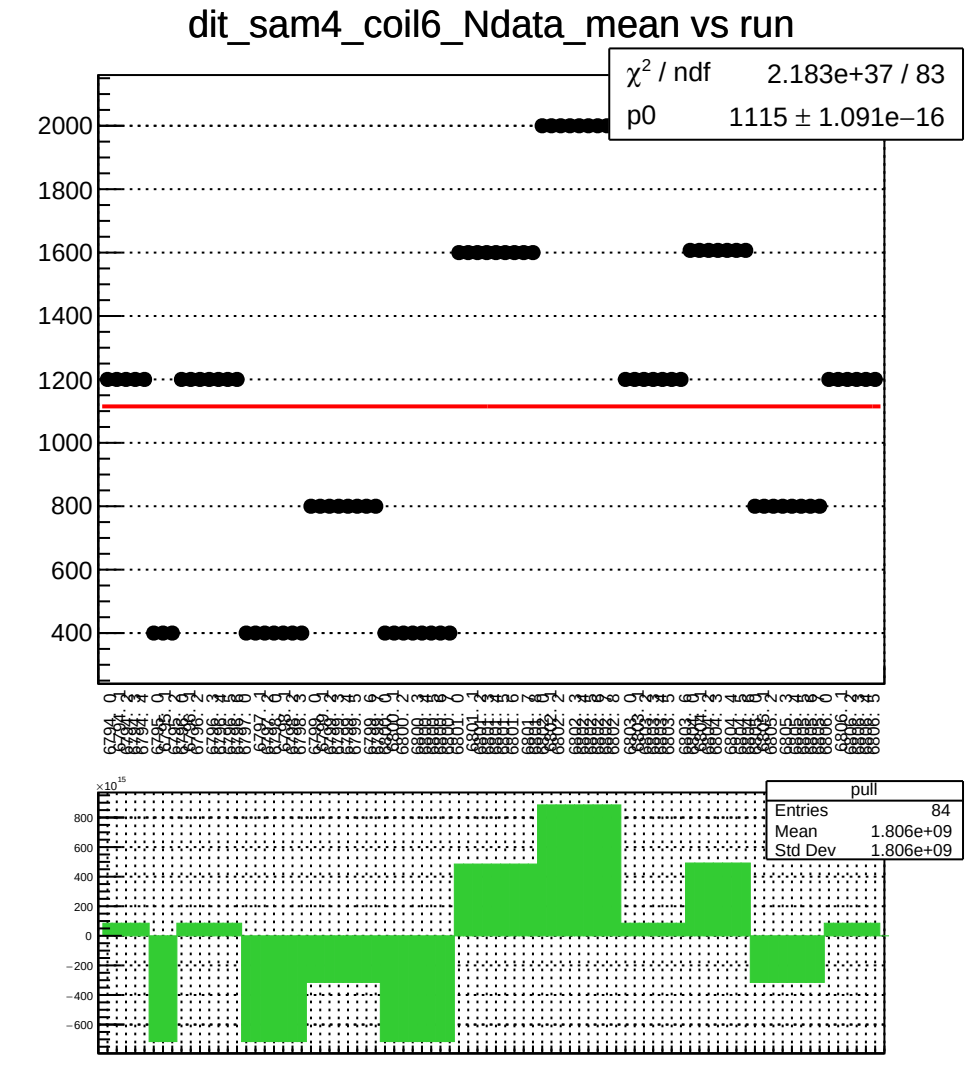

dit_sam3_coil6_Ndata_mean vs run
χ² / ndf 2.183e+37 / 83
p0 1115 ± 1.091e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean 1.806e+09
Std Dev 1.806e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600

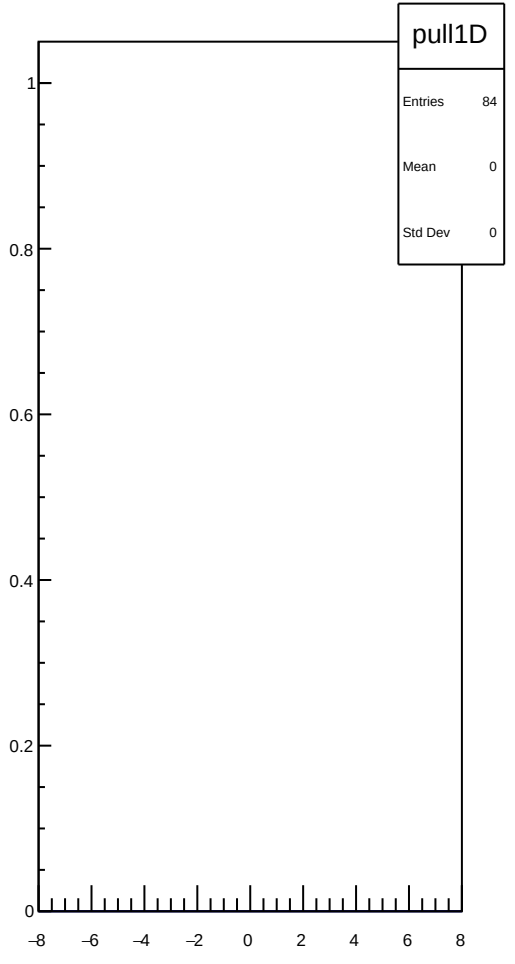

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

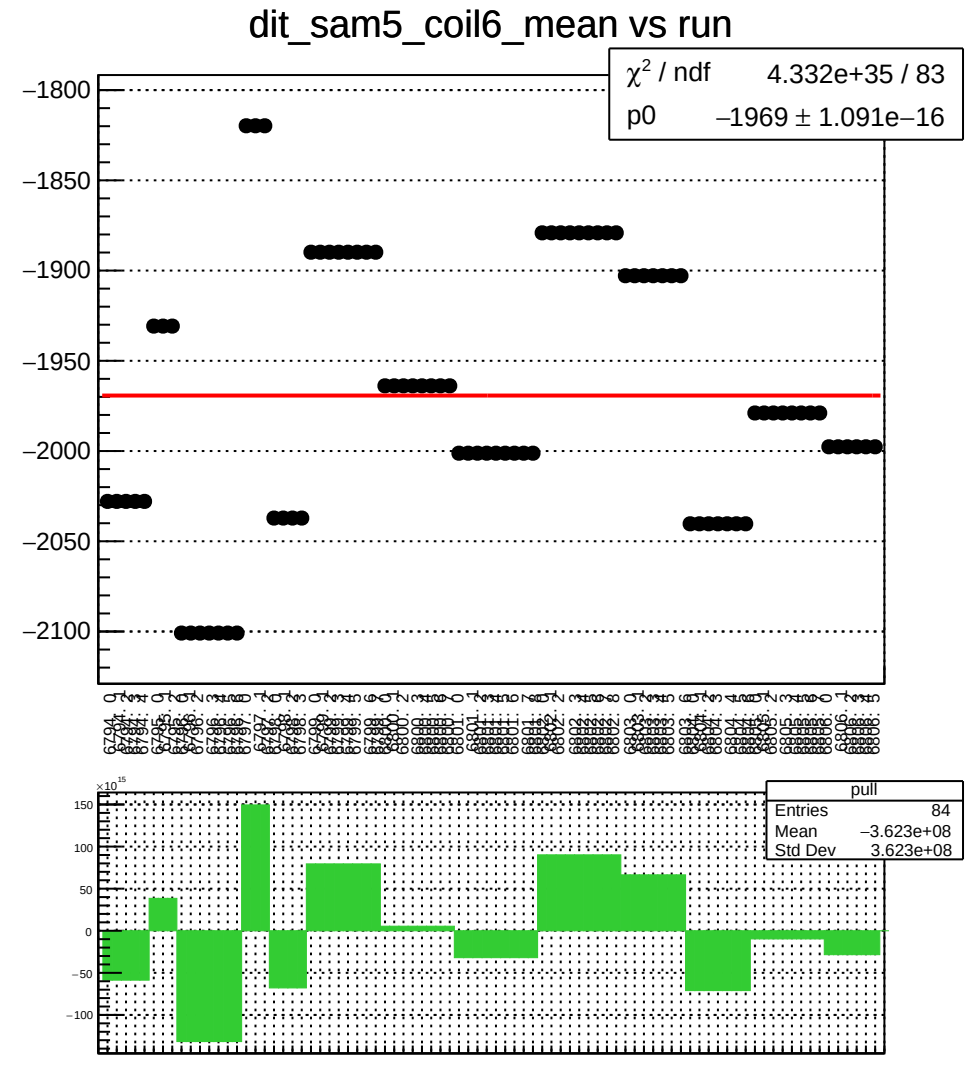

dit_sam4_coil6_mean vs run
χ² / ndf 3.827e+36 / 83
p0 −8377 ± 1.091e−16
−7800
−8000
−8200
−8400
−8600
−8800
−9000
pull
Entries 84
Mean 1.385e+11
Std Dev 1.385e+11
×10¹⁵
600
400
200
0
−200
−400
−600

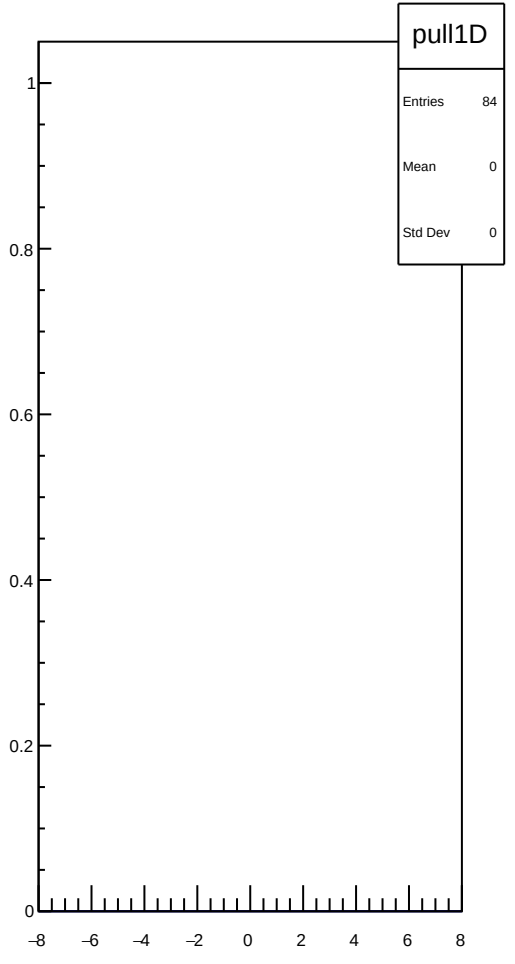

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

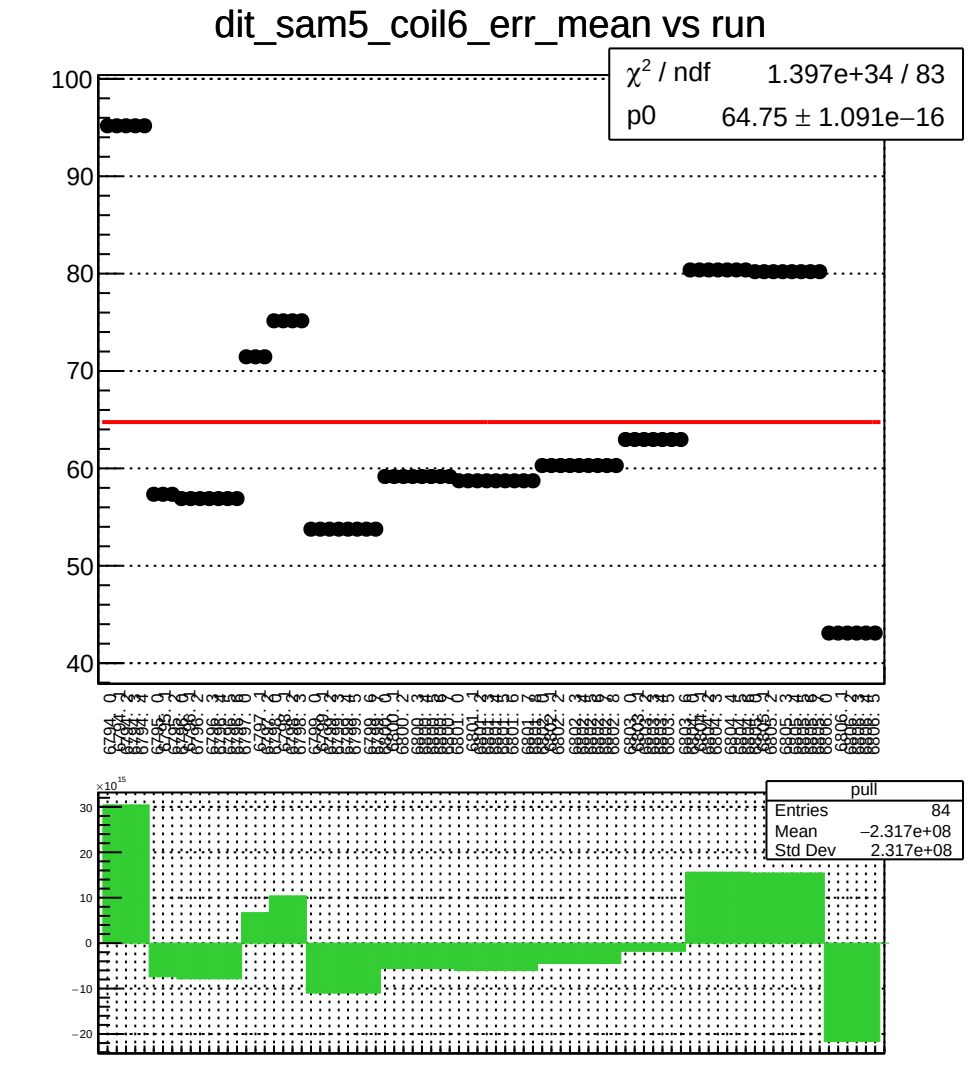

dit_sam4_coil6_err_mean vs run
χ² / ndf 4.419e+35 / 83
p0 256.8 ± 1.091e−16
pull
Entries 84
Mean 2.357e+09
Std Dev 2.357e+09
pull1D
Entries 84
Mean 0
Std Dev 0

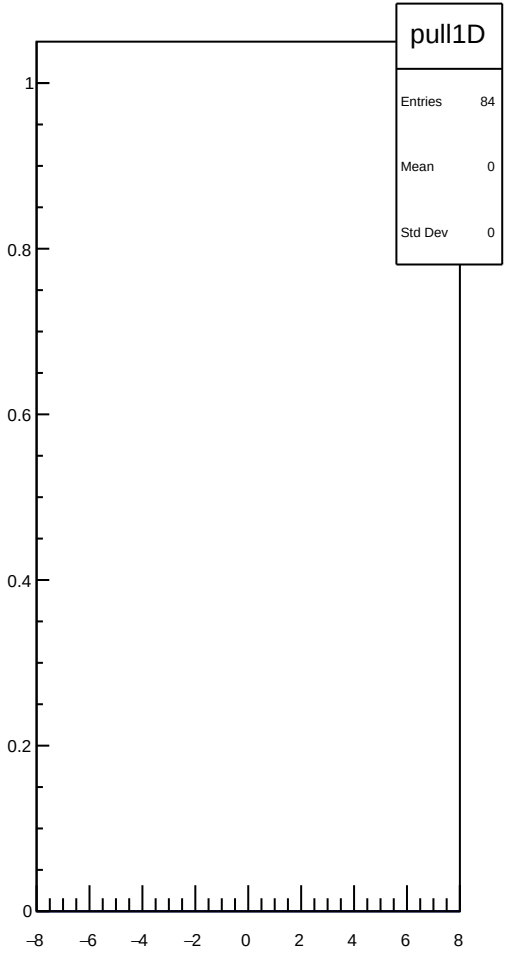

dit_sam4_coil6_Ndata_mean vs run
χ² / ndf 2.183e+37 / 83
p0 1115 ± 1.091e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean 1.806e+09
Std Dev 1.806e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600

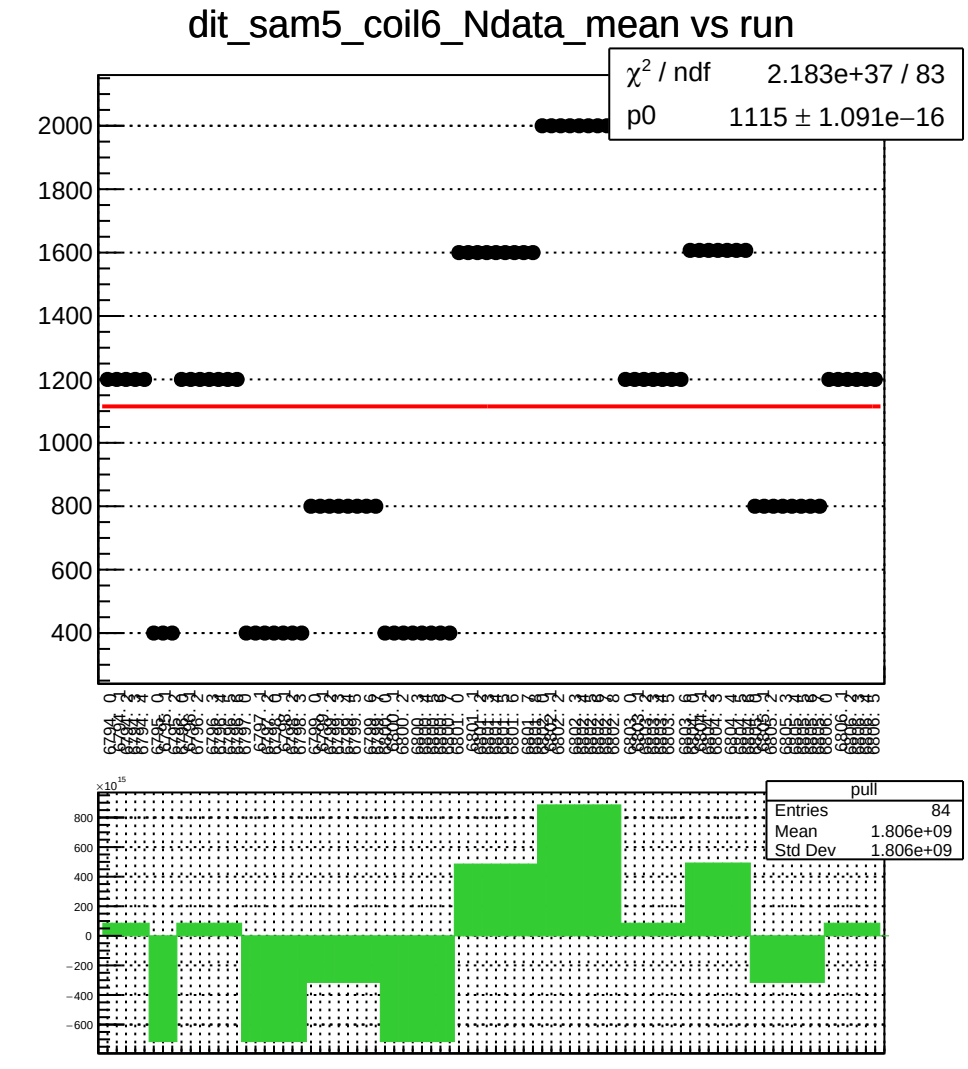

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

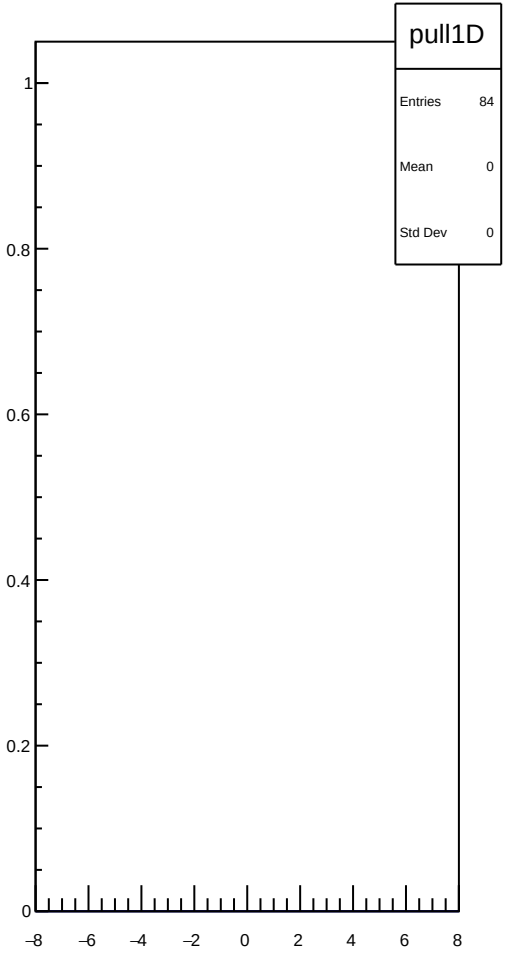

dit_sam5_coil6_mean vs run
χ² / ndf 4.332e+35 / 83
p0 −1969 ± 1.091e−16
−1800
−1850
−1900
−1950
−2000
−2050
−2100
pull
Entries 84
Mean −3.623e+08
Std Dev 3.623e+08
150
100
50
0
−50
−100

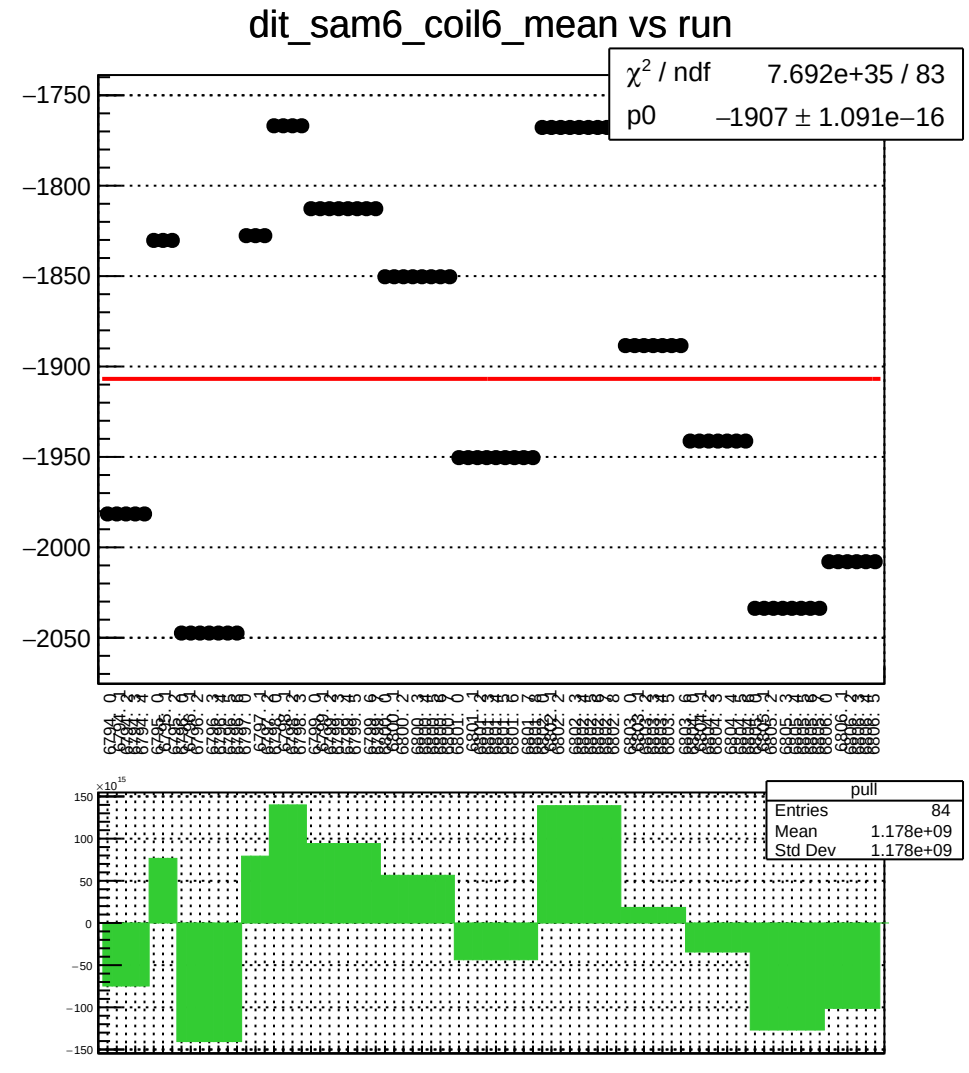

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

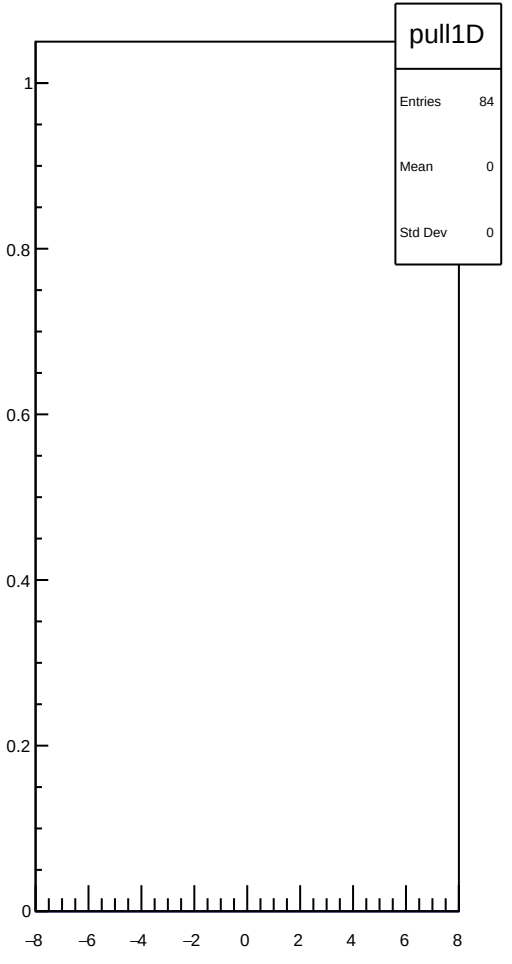

dit_sam5_coil6_err_mean vs run
χ² / ndf 1.397e+34 / 83
p0 64.75 ± 1.091e−16
pull
Entries 84
Mean −2.317e+08
Std Dev 2.317e+08

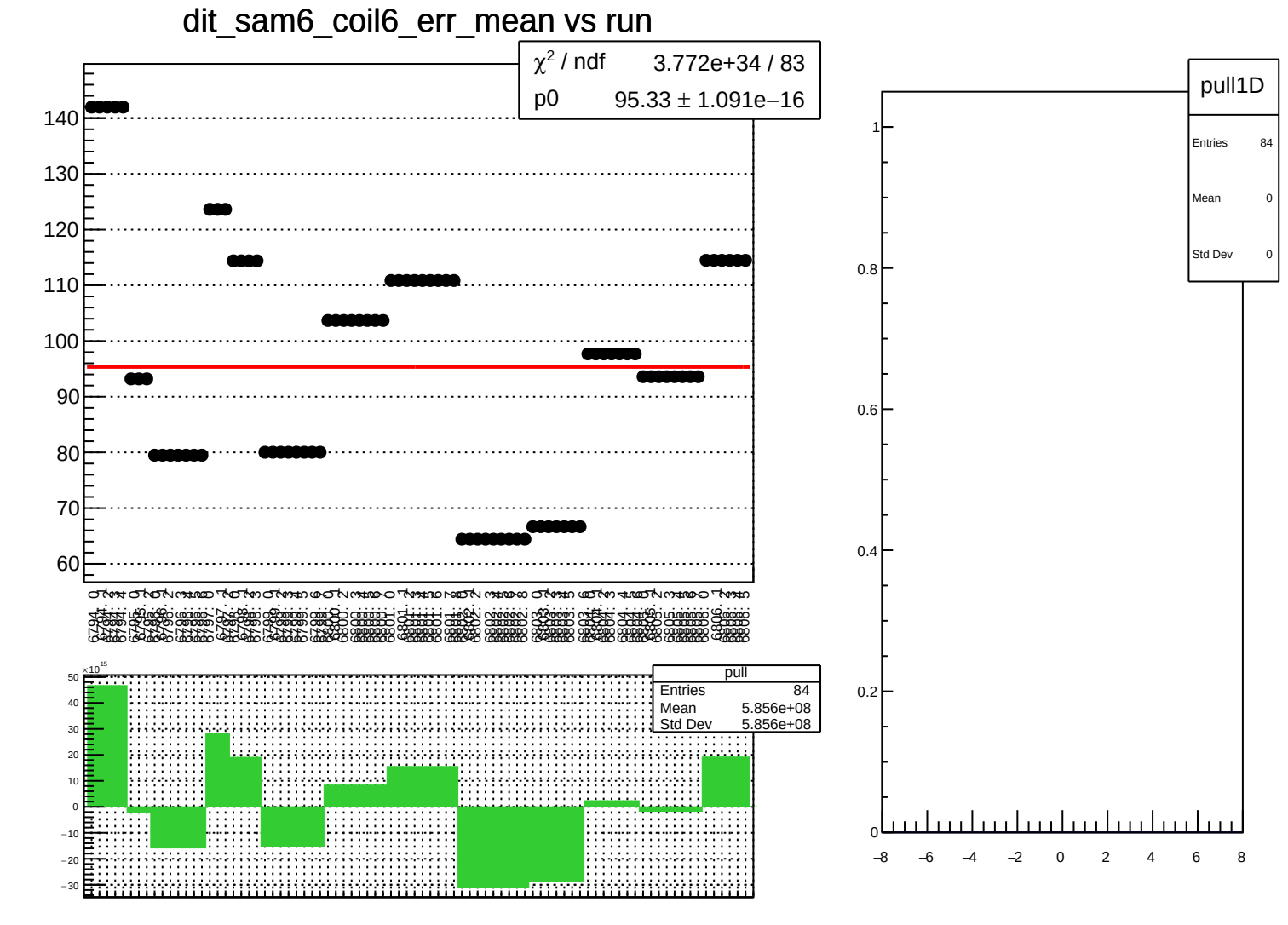

pull1D
Entries 84
Mean 0
Std Dev 0

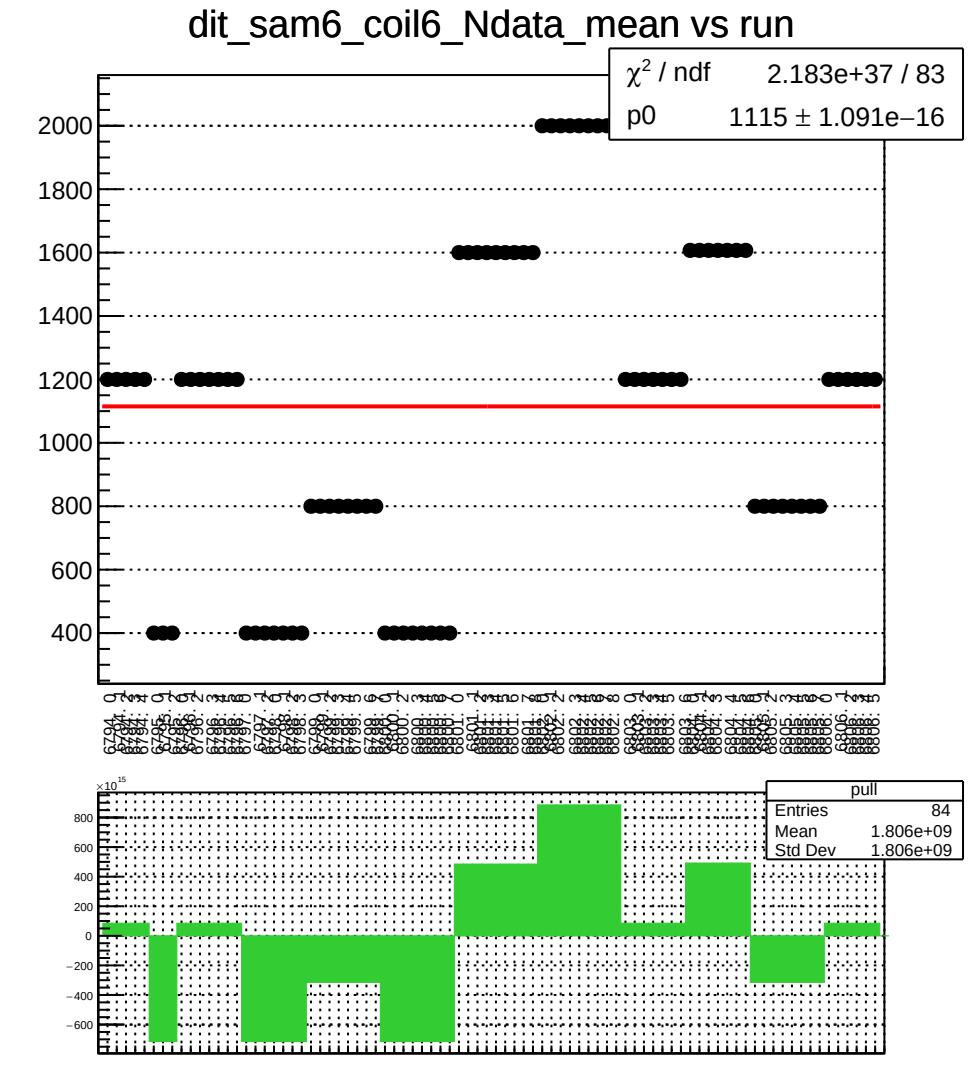

dit_sam5_coil6_Ndata_mean vs run
χ² / ndf 2.183e+37 / 83
p0 1115 ± 1.091e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean 1.806e+09
Std Dev 1.806e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600

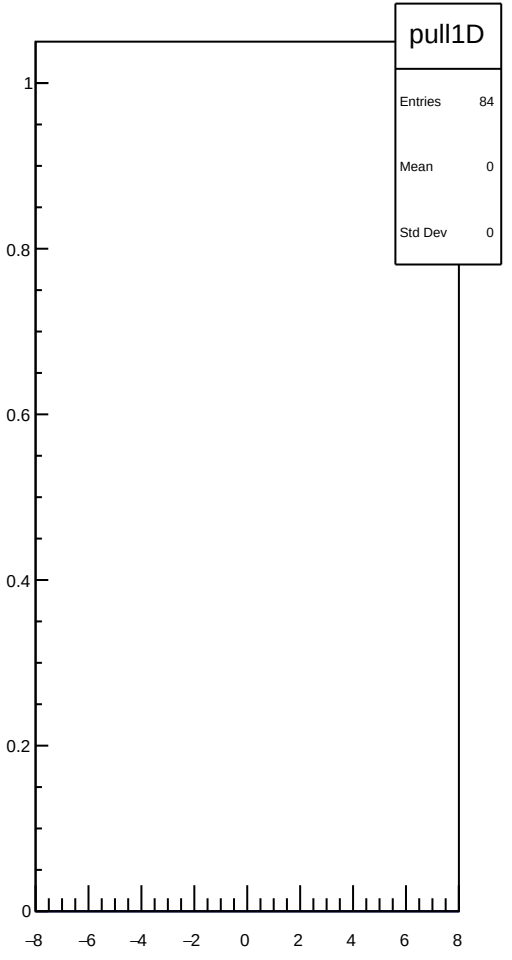

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

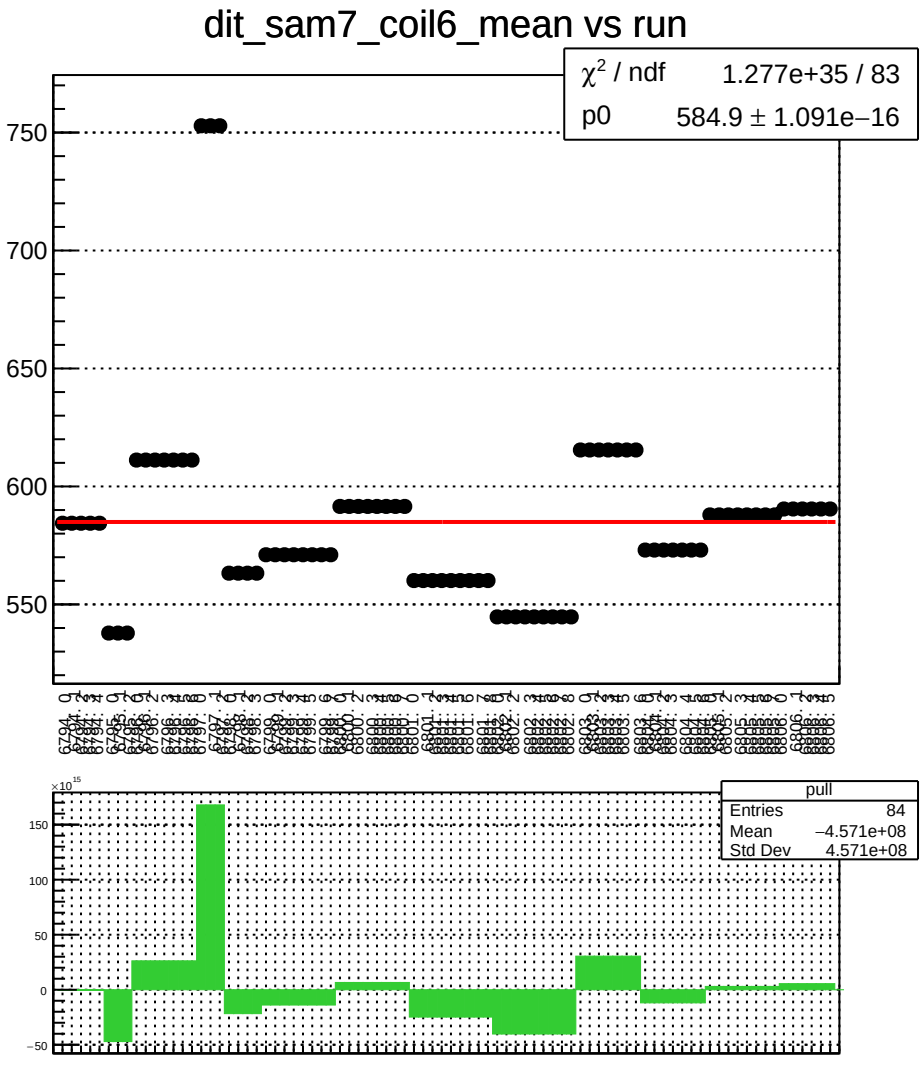

dit_sam6_coil6_mean vs run
χ² / ndf 7.692e+35 / 83
p0 −1907 ± 1.091e−16
−1750
−1800
−1850
−1900
−1950
−2000
−2050
pull
Entries 84
Mean 1.178e+09
Std Dev 1.178e+09
150
100
50
0
−50
−100
−150

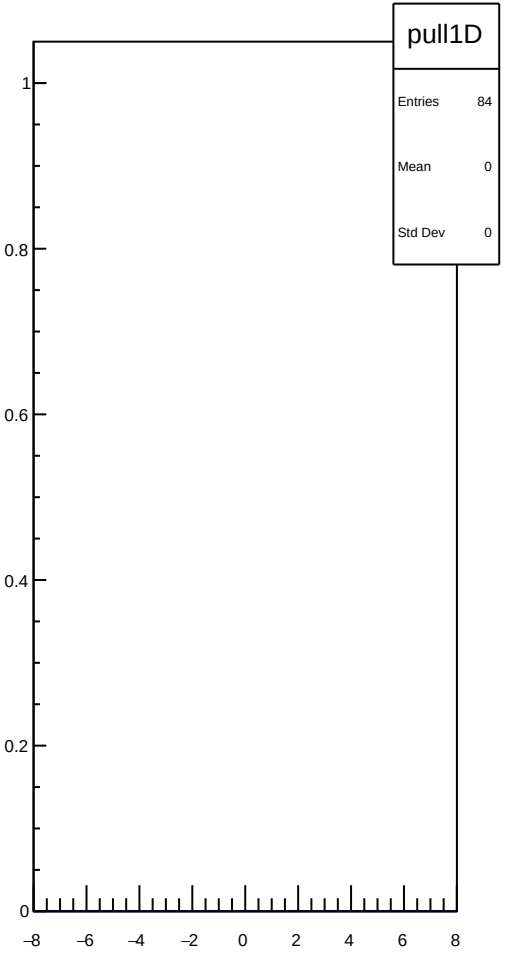

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

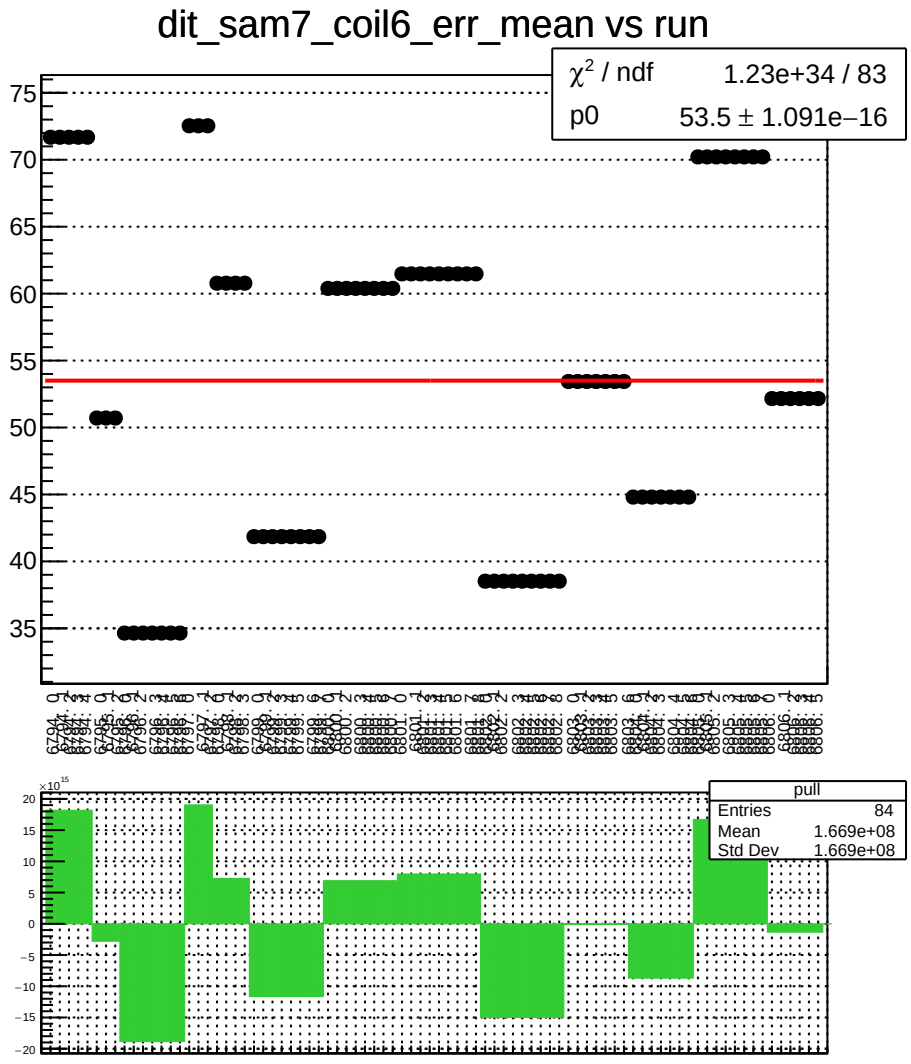

dit_sam6_coil6_err_mean vs run
χ² / ndf 3.772e+34 / 83
p0 95.33 ± 1.091e−16
pull
Entries 84
Mean 5.856e+08
Std Dev 5.856e+08
pull1D
Entries 84
Mean 0
Std Dev 0

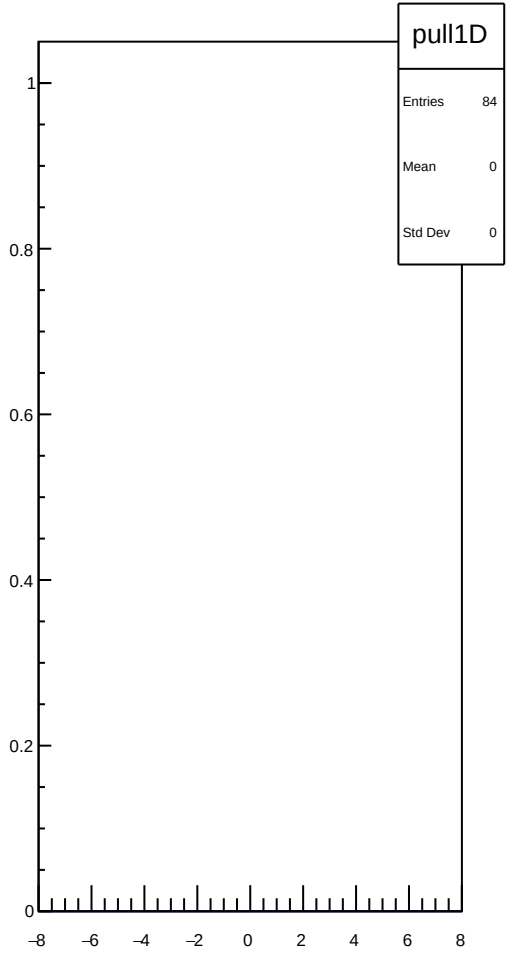

dit_sam6_coil6_Ndata_mean vs run
χ² / ndf 2.183e+37 / 83
p0 1115 ± 1.091e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean 1.806e+09
Std Dev 1.806e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600

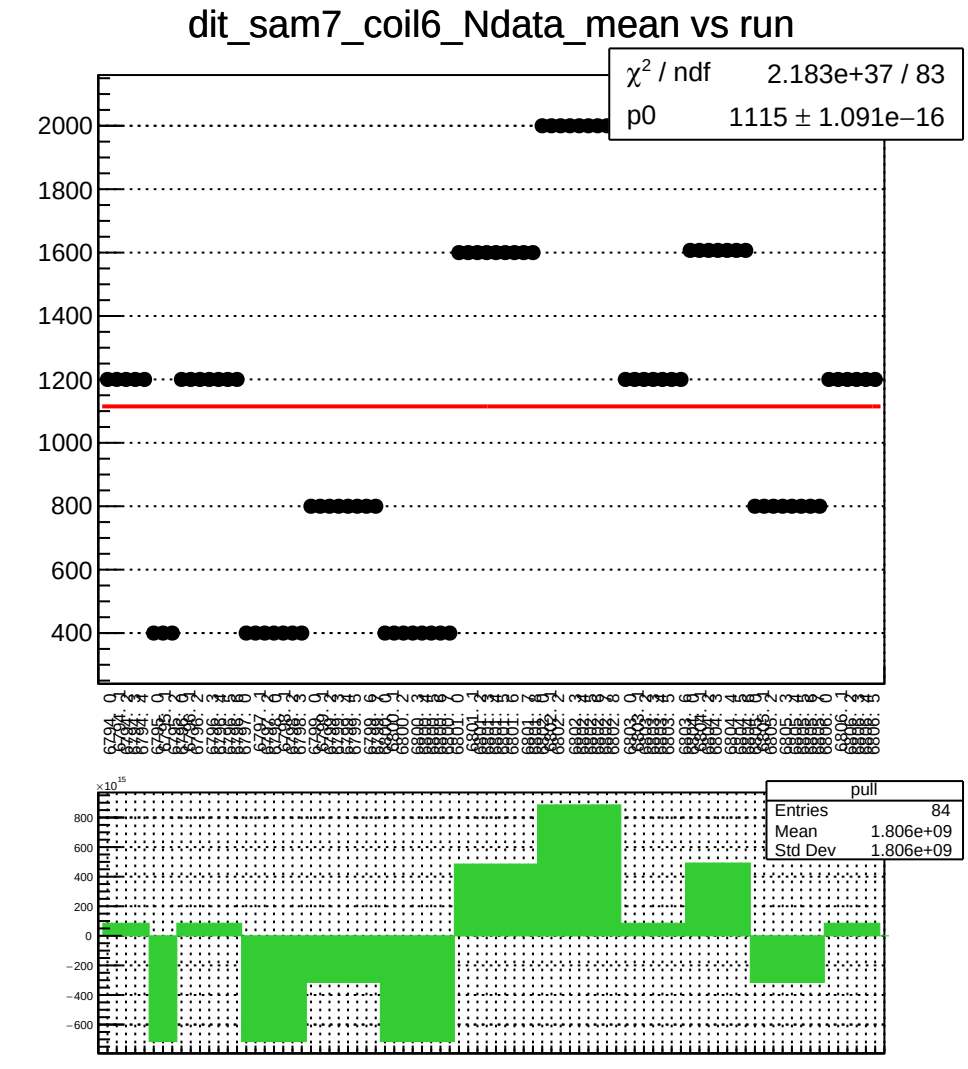

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

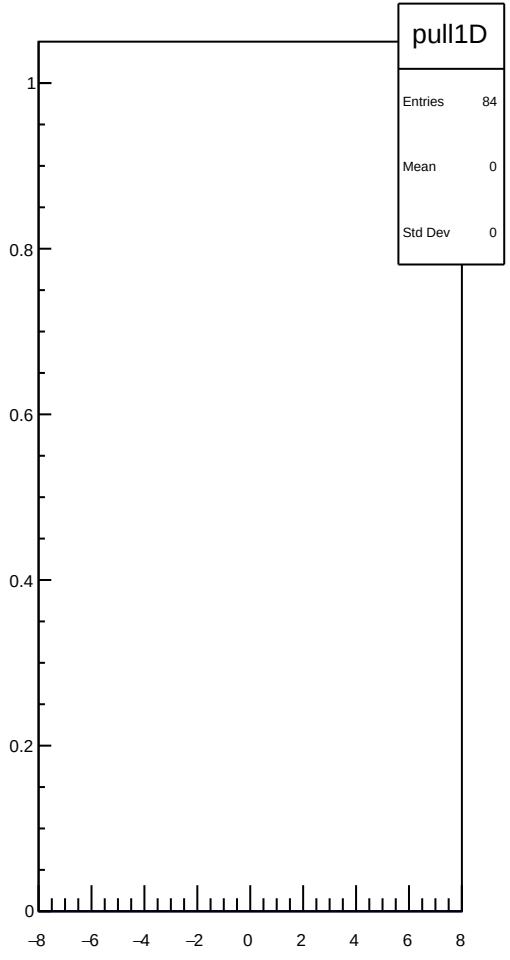

dit_sam7_coil6_mean vs run
χ² / ndf 1.277e+35 / 83
p0 584.9 ± 1.091e−16
750
700
650
600
550
pull
Entries 84
Mean −4.571e+08
Std Dev 4.571e+08
×10¹⁵
150
100
50
0
−50

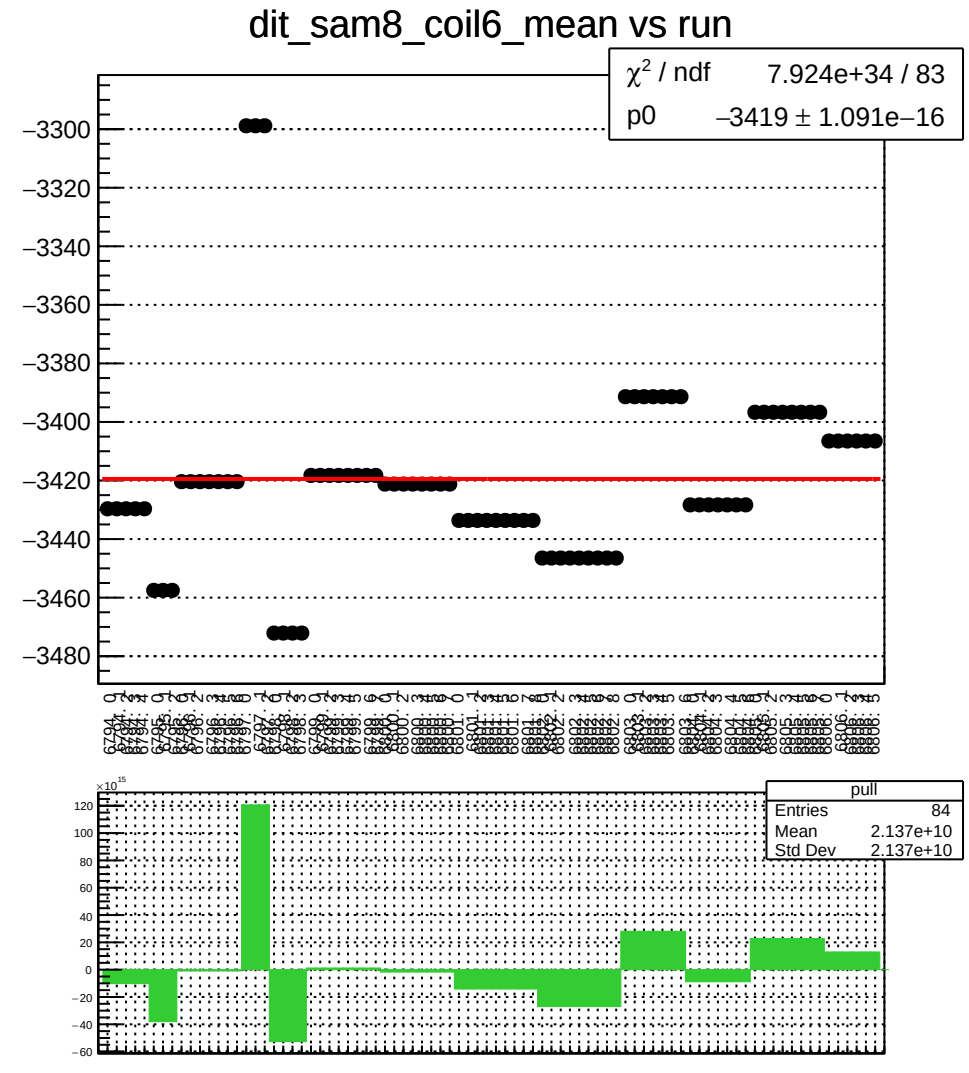

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

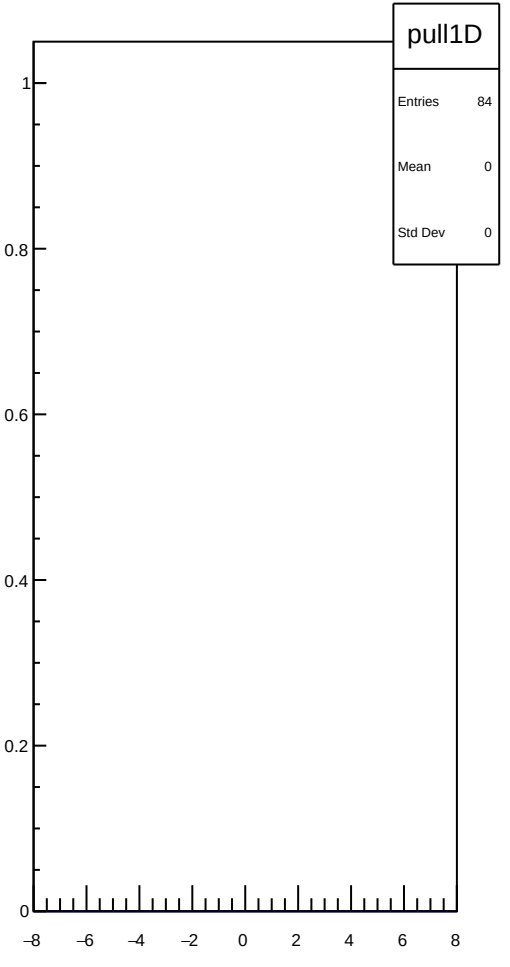

dit_sam7_coil6_err_mean vs run
χ² / ndf 1.23e+34 / 83
p0 53.5 ± 1.091e−16
pull
Entries 84
Mean 1.669e+08
Std Dev 1.669e+08

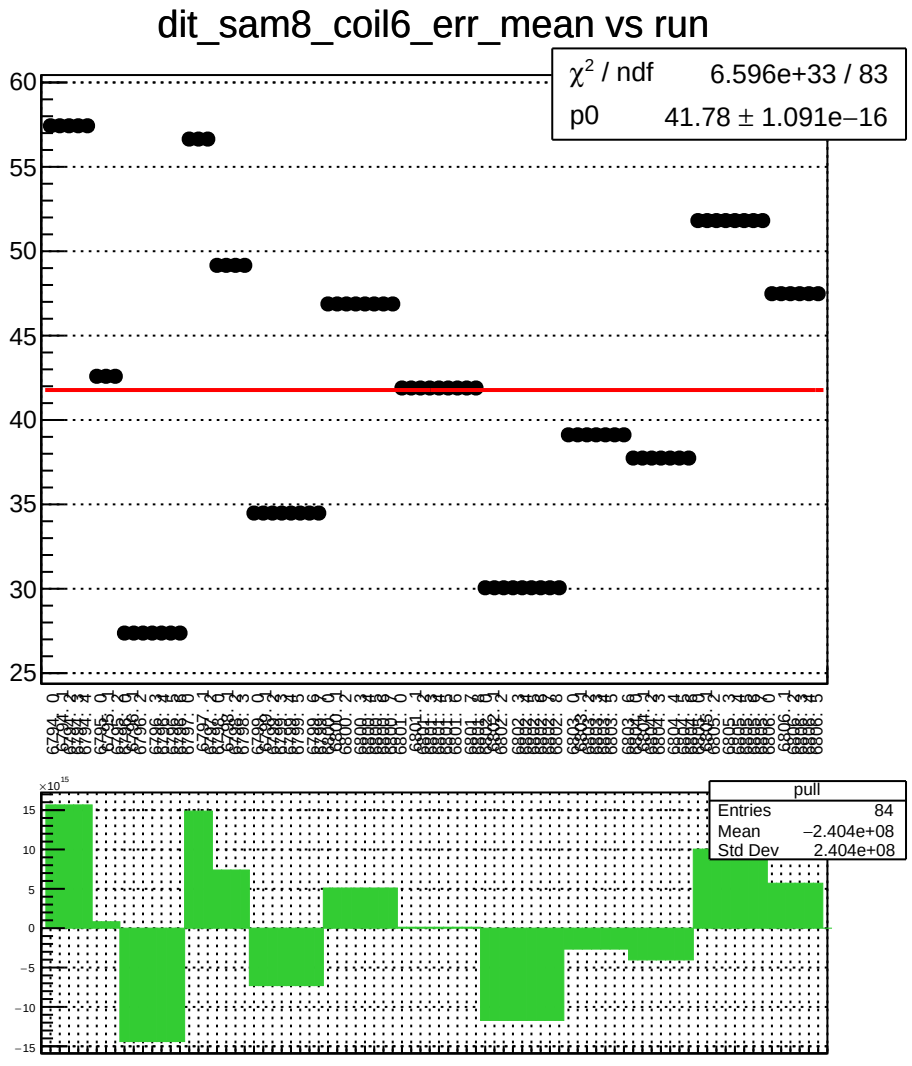

pull1D
Entries 84
Mean 0
Std Dev 0

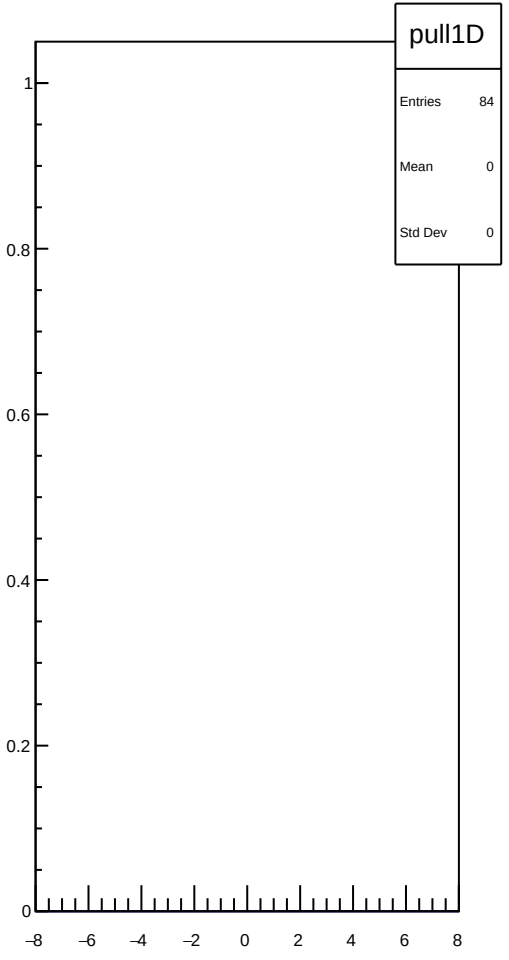

dit_sam7_coil6_Ndata_mean vs run
χ² / ndf 2.183e+37 / 83
p0 1115 ± 1.091e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean 1.806e+09
Std Dev 1.806e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600

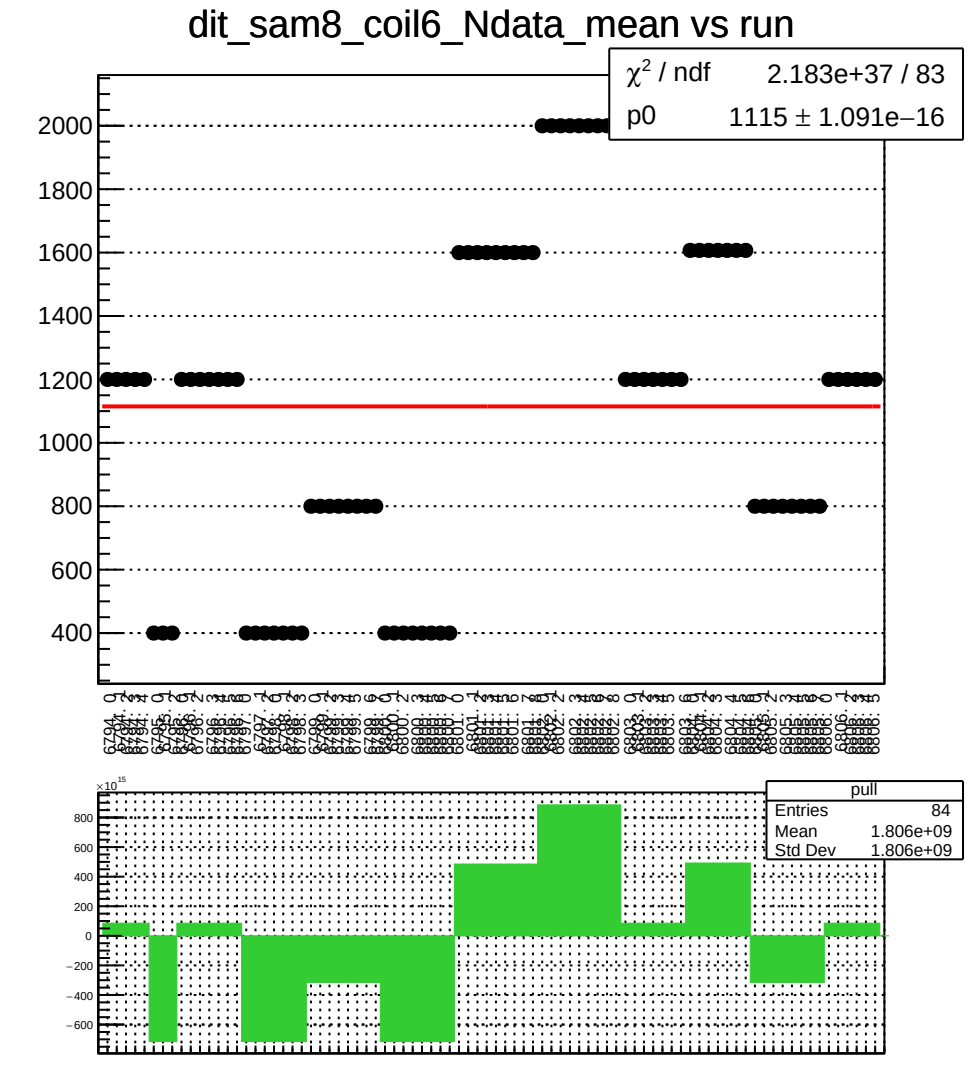

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

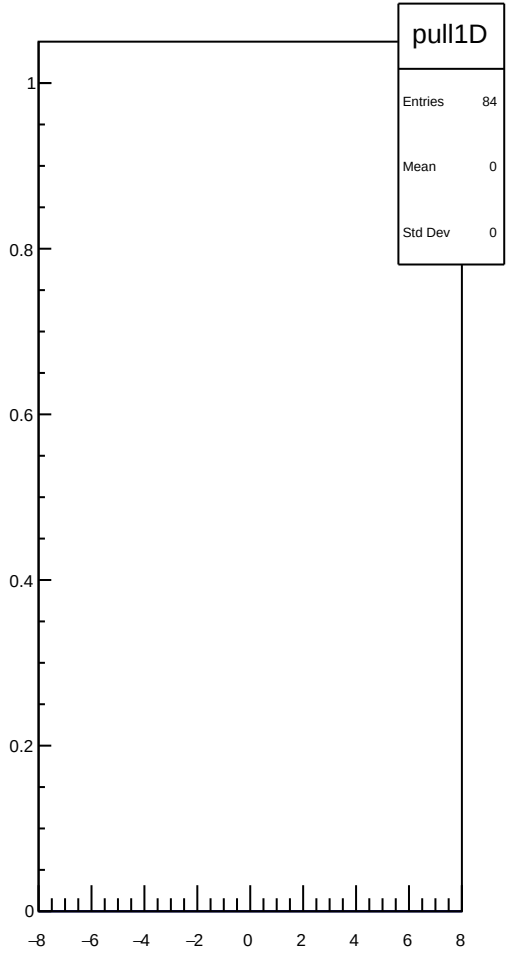

dit_sam8_coil6_mean vs run
χ² / ndf 7.924e+34 / 83
p0 −3419 ± 1.091e−16
−3300
−3320
−3340
−3360
−3380
−3400
−3420
−3440
−3460
−3480
pull
Entries 84
Mean 2.137e+10
Std Dev 2.137e+10
×10¹⁵
120
100
80
60
40
20
0
−20
−40
−60

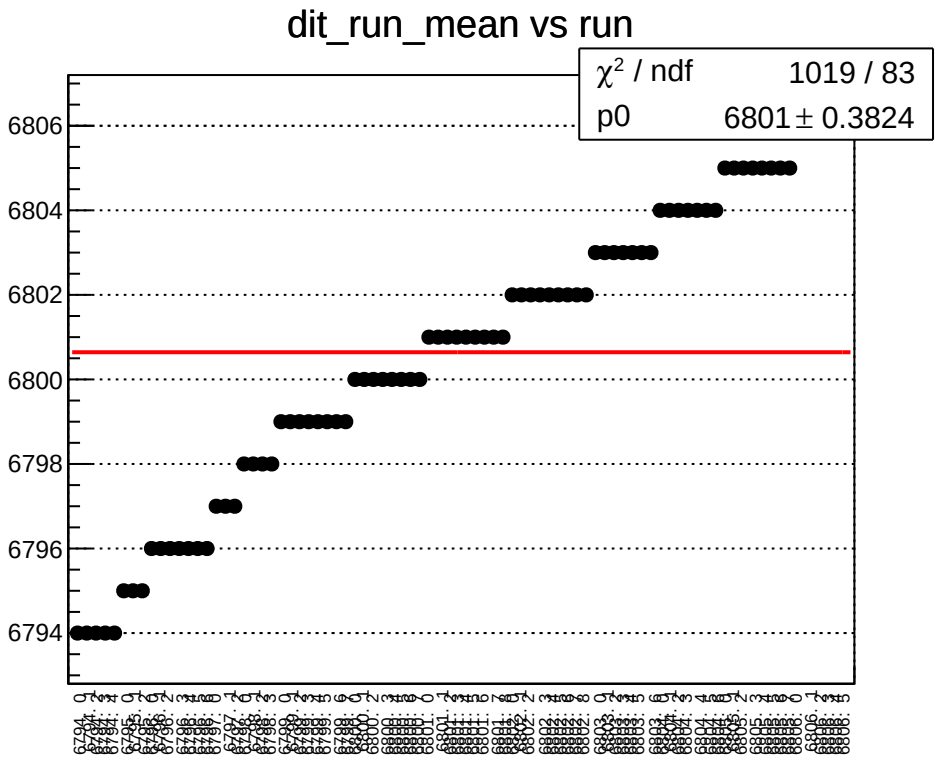

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

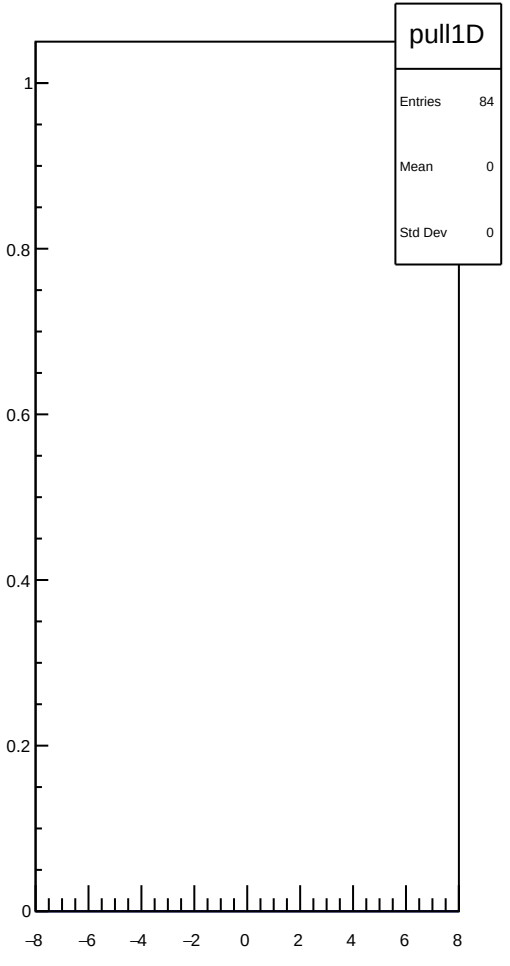

dit_sam8_coil6_err_mean vs run
χ² / ndf 6.596e+33 / 83
p0 41.78 ± 1.091e−16
pull
Entries 84
Mean −2.404e+08
Std Dev 2.404e+08

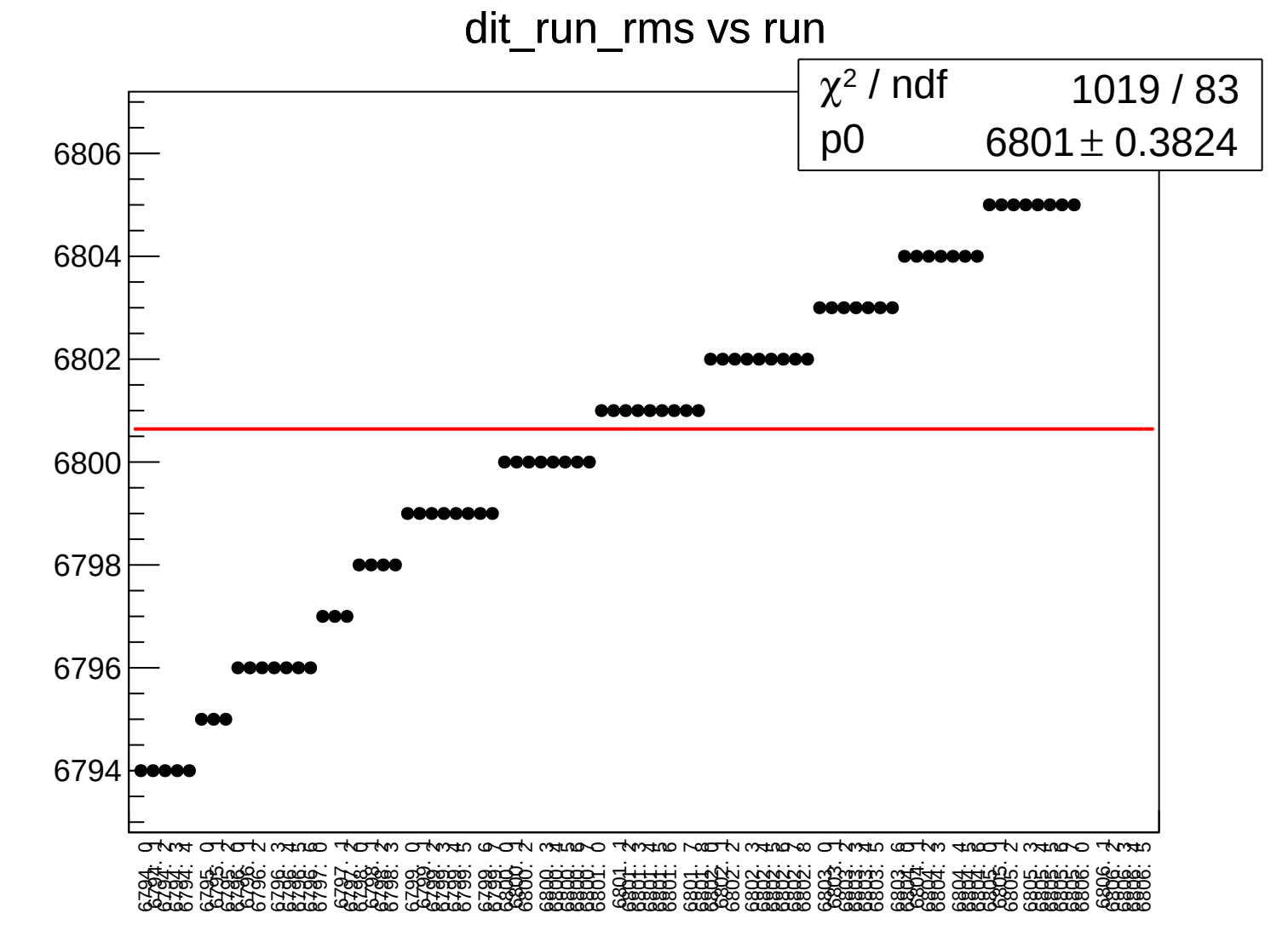

pull1D
Entries 84
Mean 0
Std Dev 0

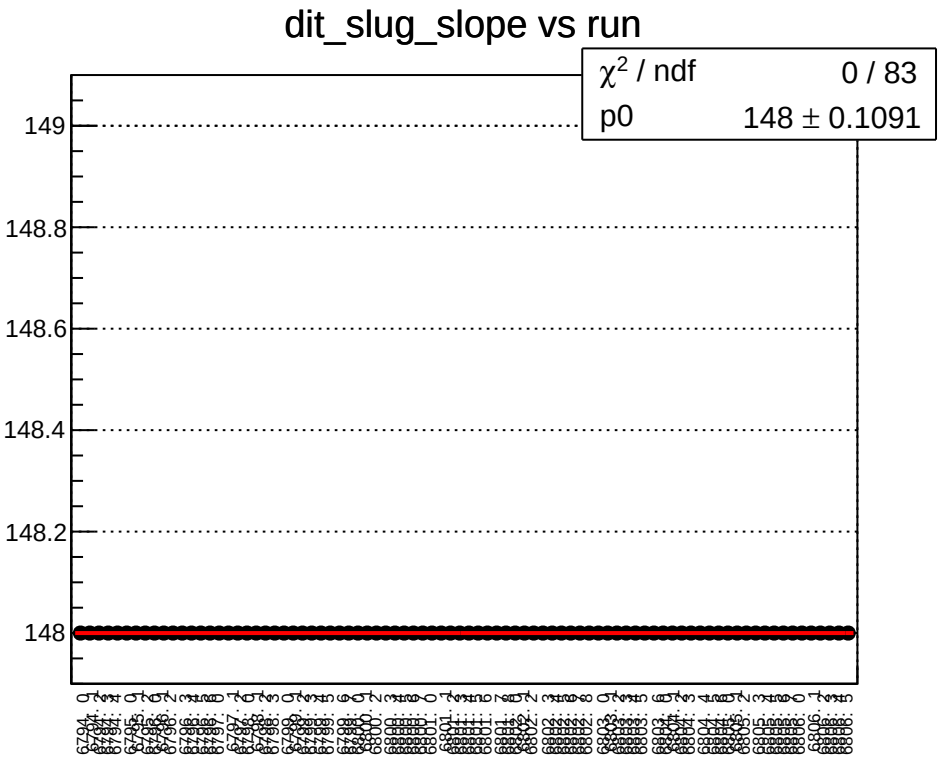

dit_sam8_coil6_Ndata_mean vs run
χ² / ndf 2.183e+37 / 83
p0 1115 ± 1.091e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 84
Mean 1.806e+09
Std Dev 1.806e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600

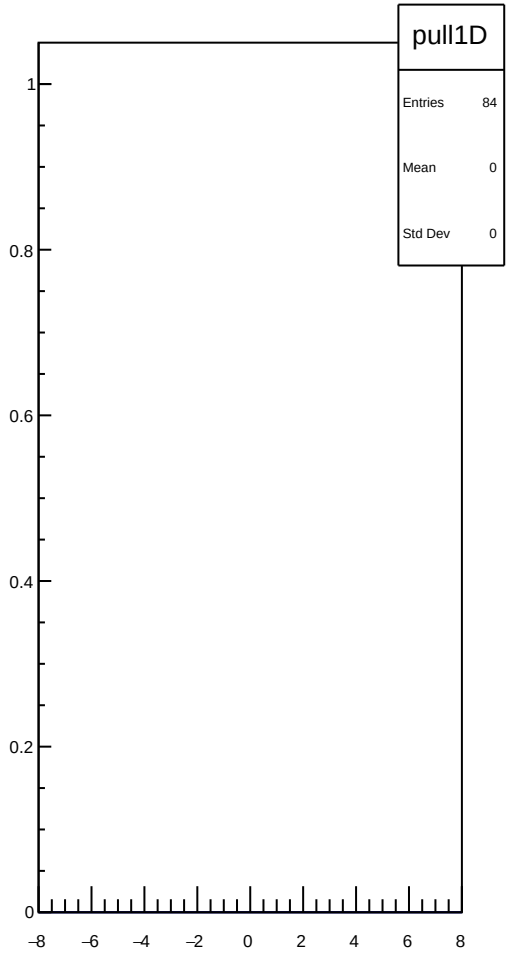

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

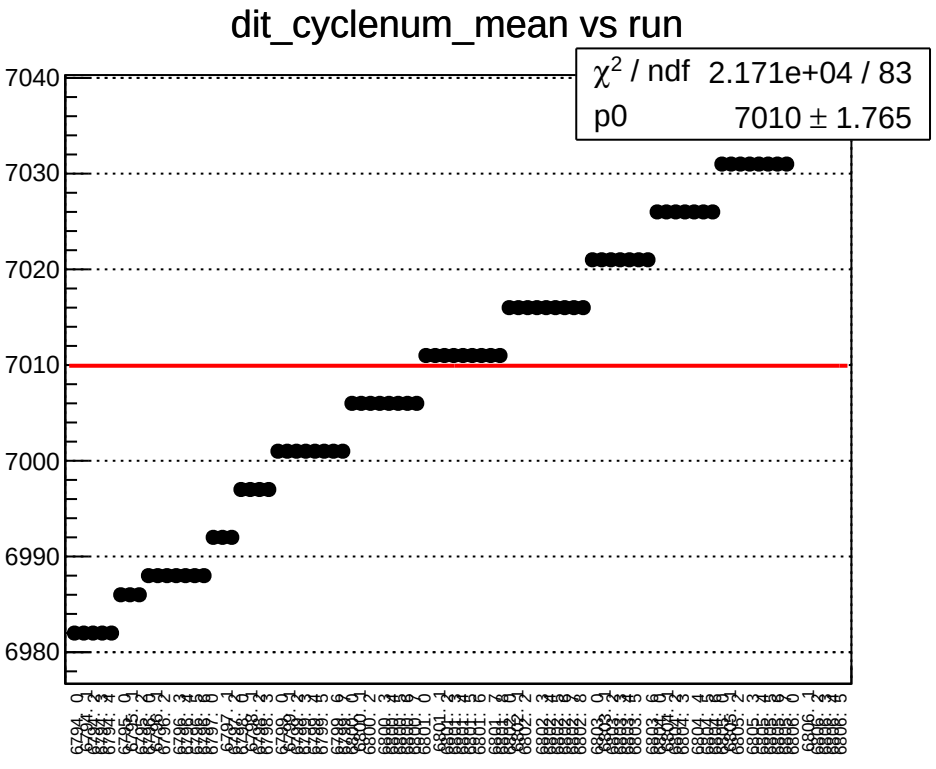

dit_run_mean vs run
χ² / ndf 1019 / 83
p0 6801 ± 0.3824
6806
6804
6802
6800
6798
6796
6794

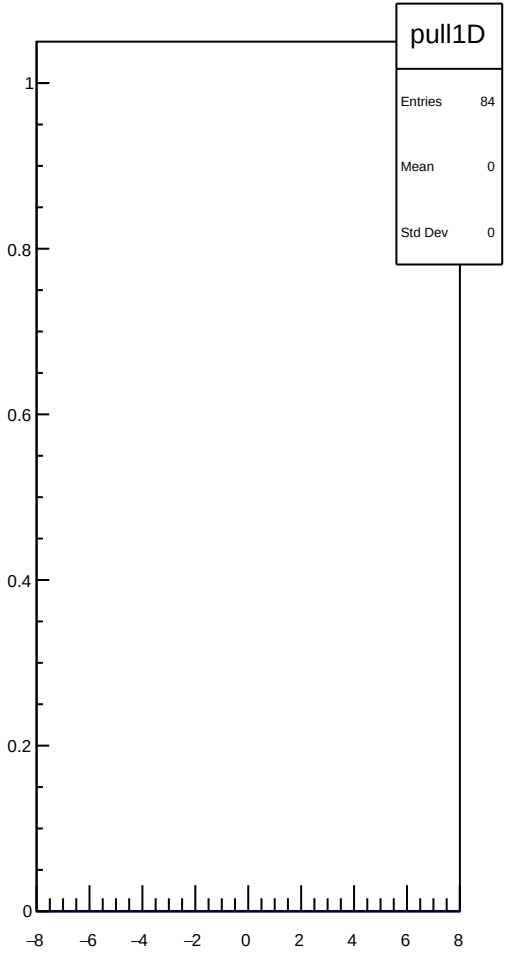

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

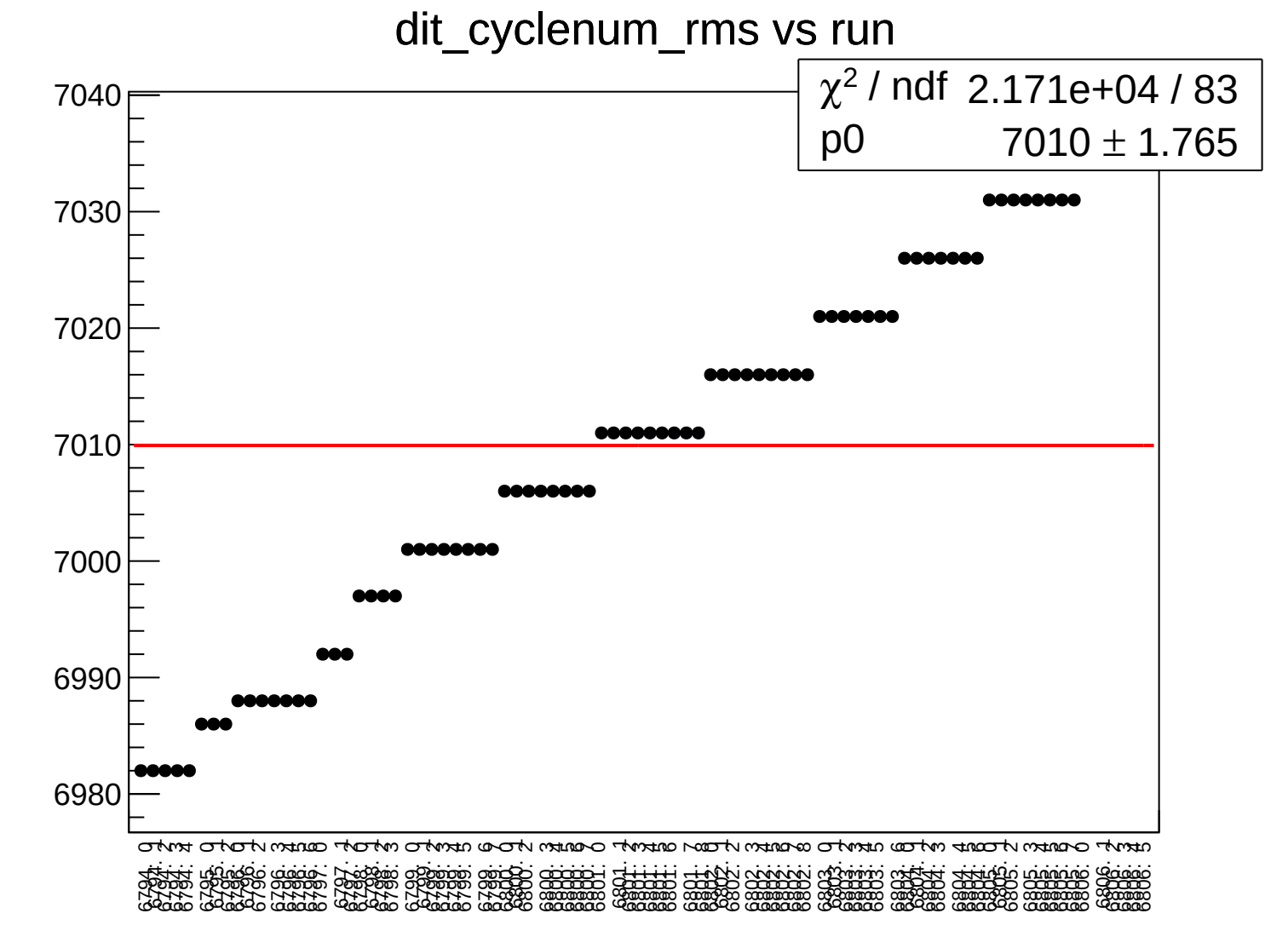

dit_run_rms vs run
χ² / ndf 1019 / 83
p0 6801 ± 0.3824
6806
6804
6802
6800
6798
6796
6794

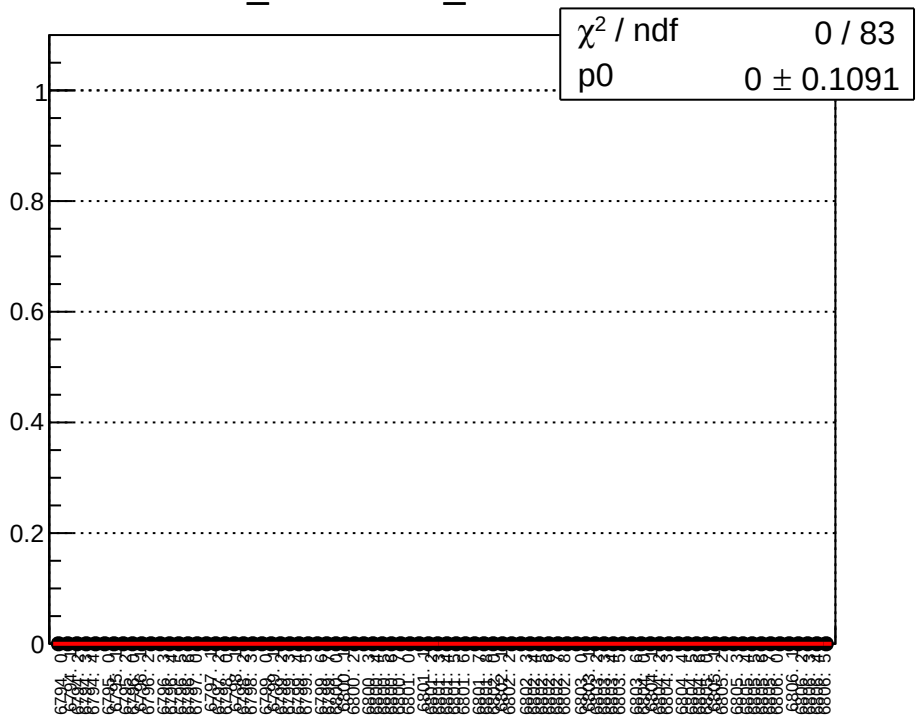

dit_slug_slope vs run
χ^2 / ndf 0 / 83
p0 148 ± 0.1091
149
148.8
148.6
148.4
148.2
148

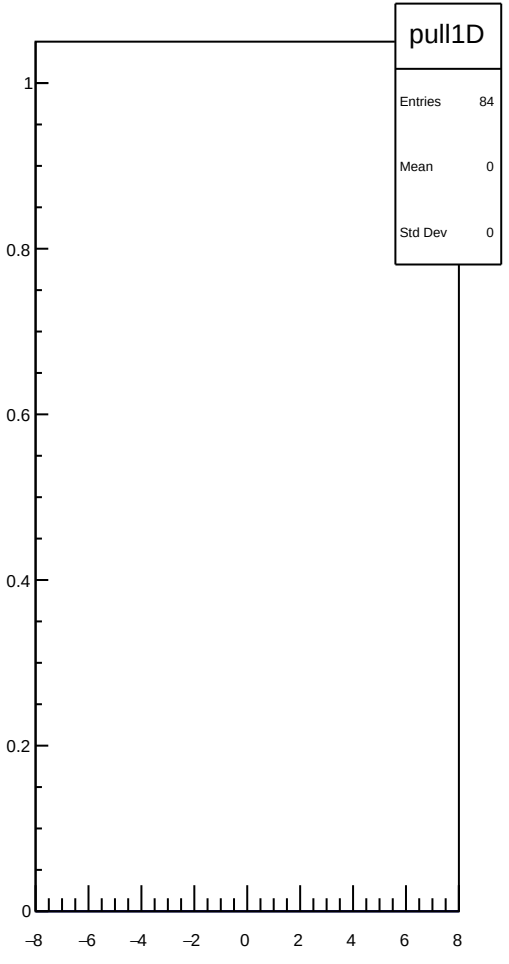

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

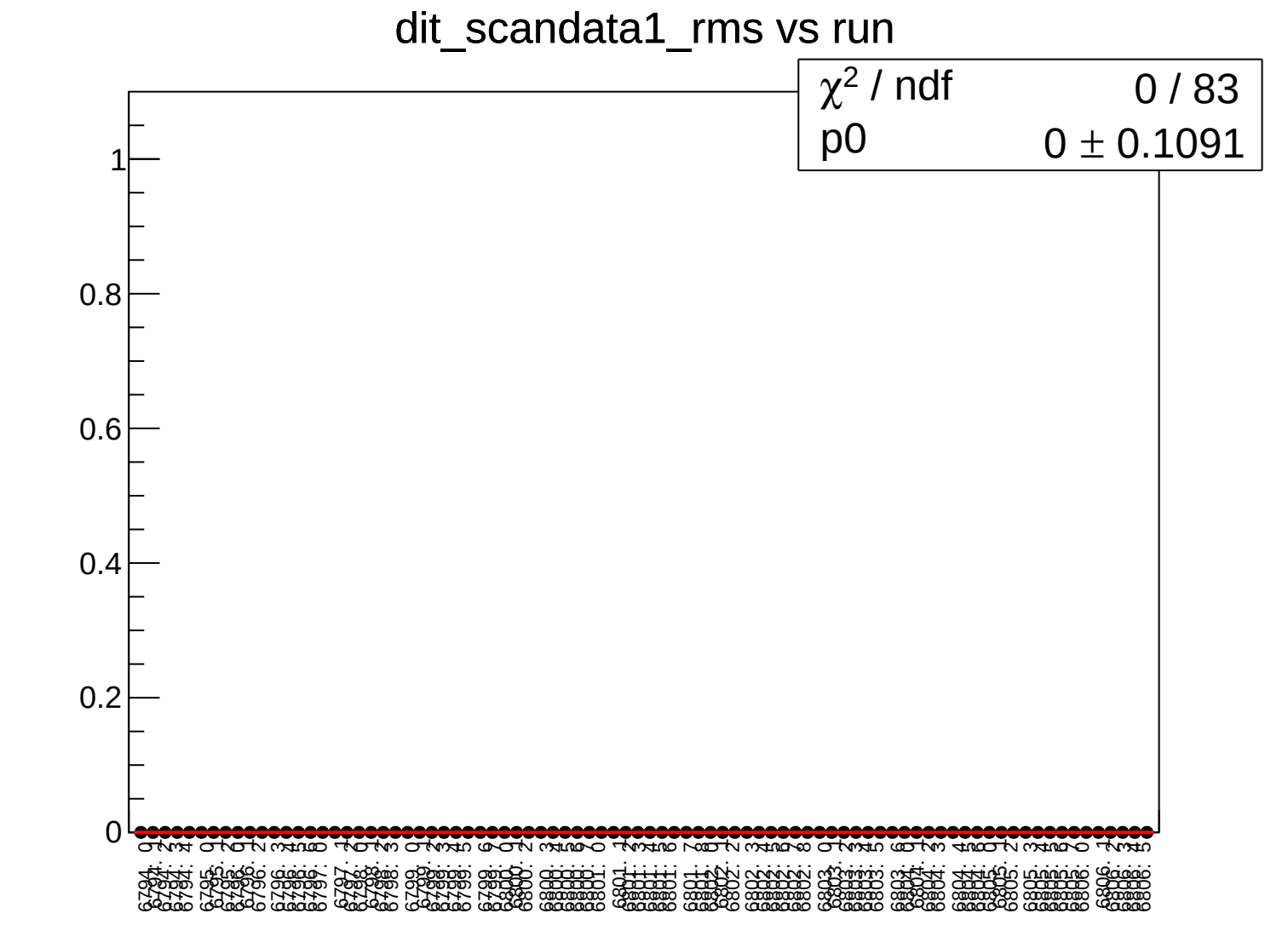

dit_cyclenum_mean vs run
χ^2 / ndf 2.171e+04 / 83
p0 7010 ± 1.765
7040
7030
7020
7010
7000
6990
6980

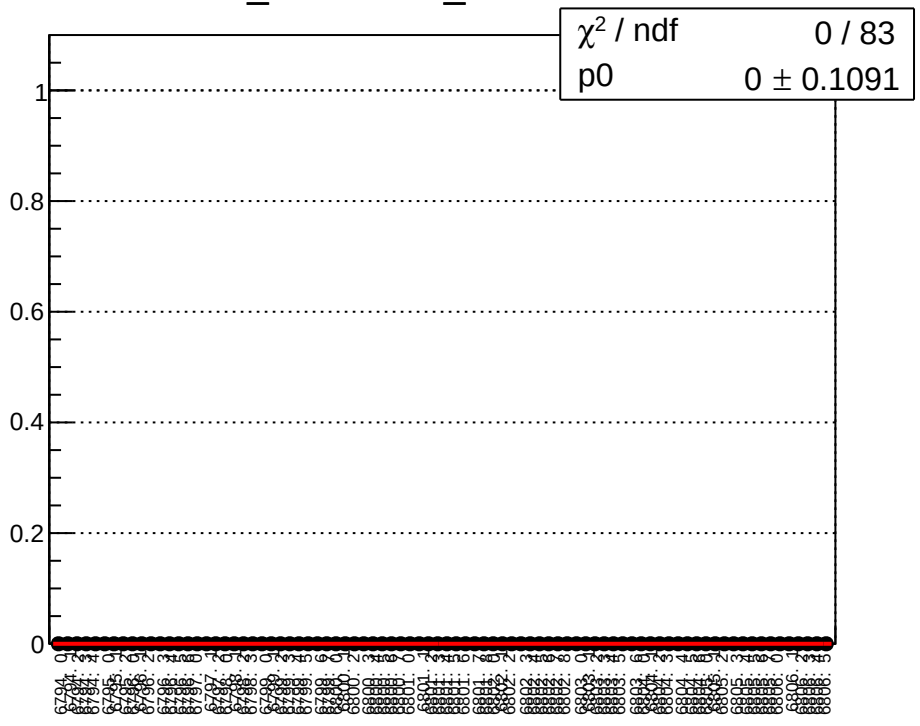

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

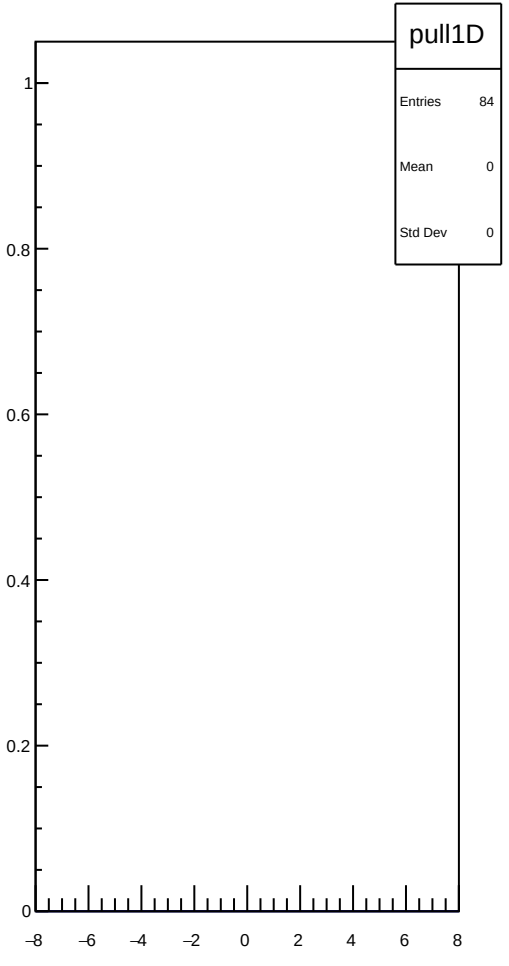

dit_cyclenum_rms vs run
χ^2 / ndf 2.171e+04 / 83
p0 7010 ± 1.765
7040
7030
7020
7010
7000
6990
6980

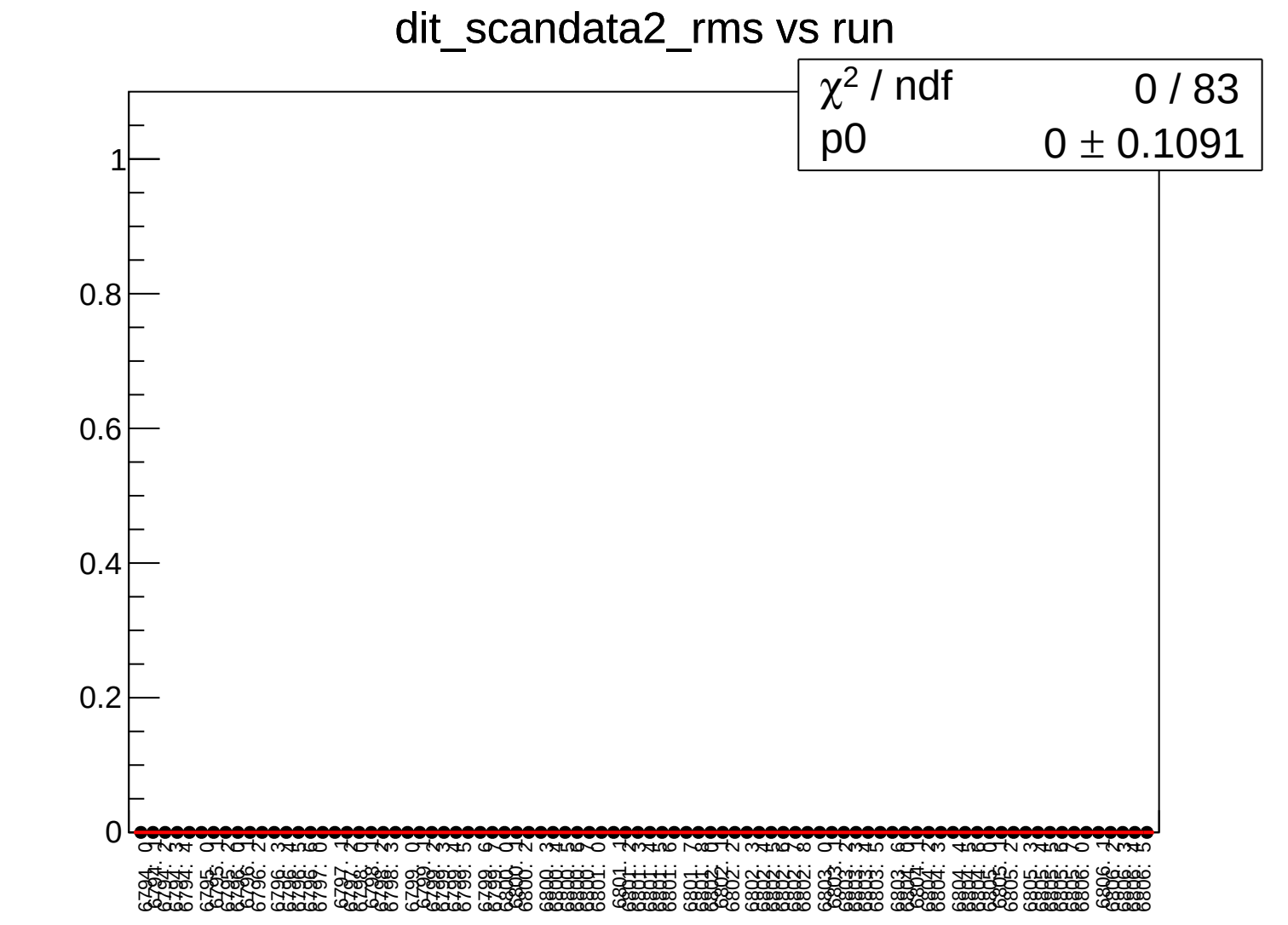

dit_scandata1_mean vs run
χ² / ndf 0 / 83
p0 0 ± 0.1091
1
0.8
0.6
0.4
0.2
0

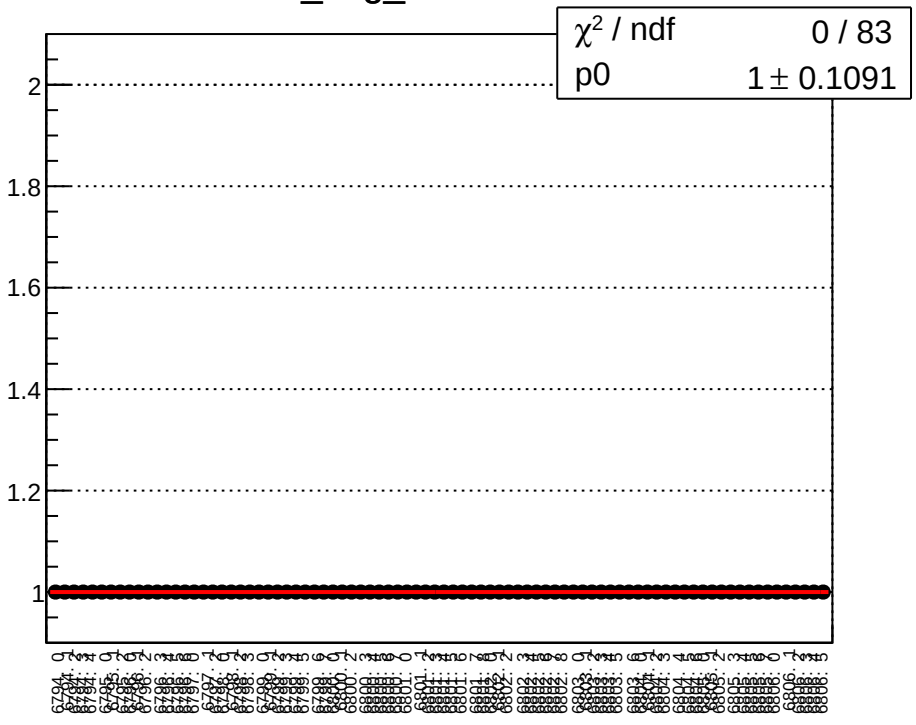

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

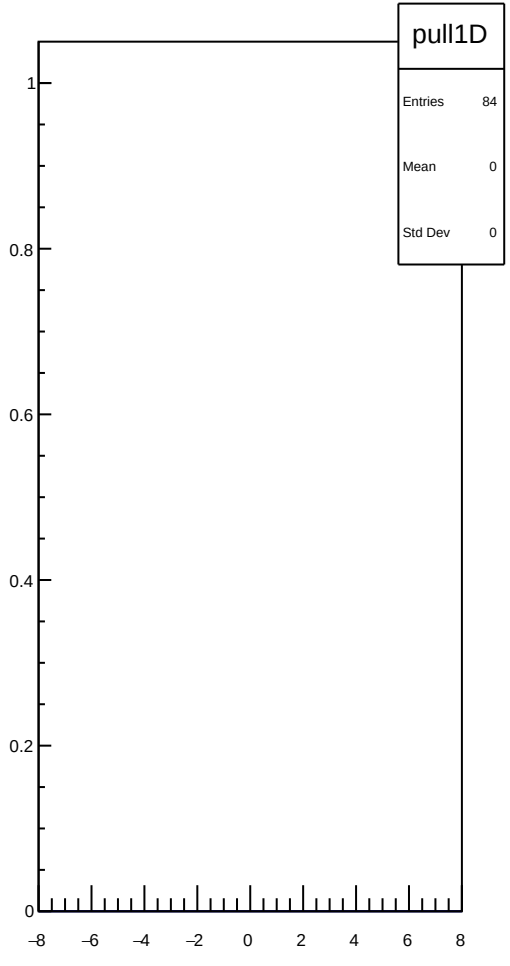

dit_scandata1_rms vs run
χ^2 / ndf 0 / 83
p0 0 ± 0.1091
1
0.8
0.6
0.4
0.2
0

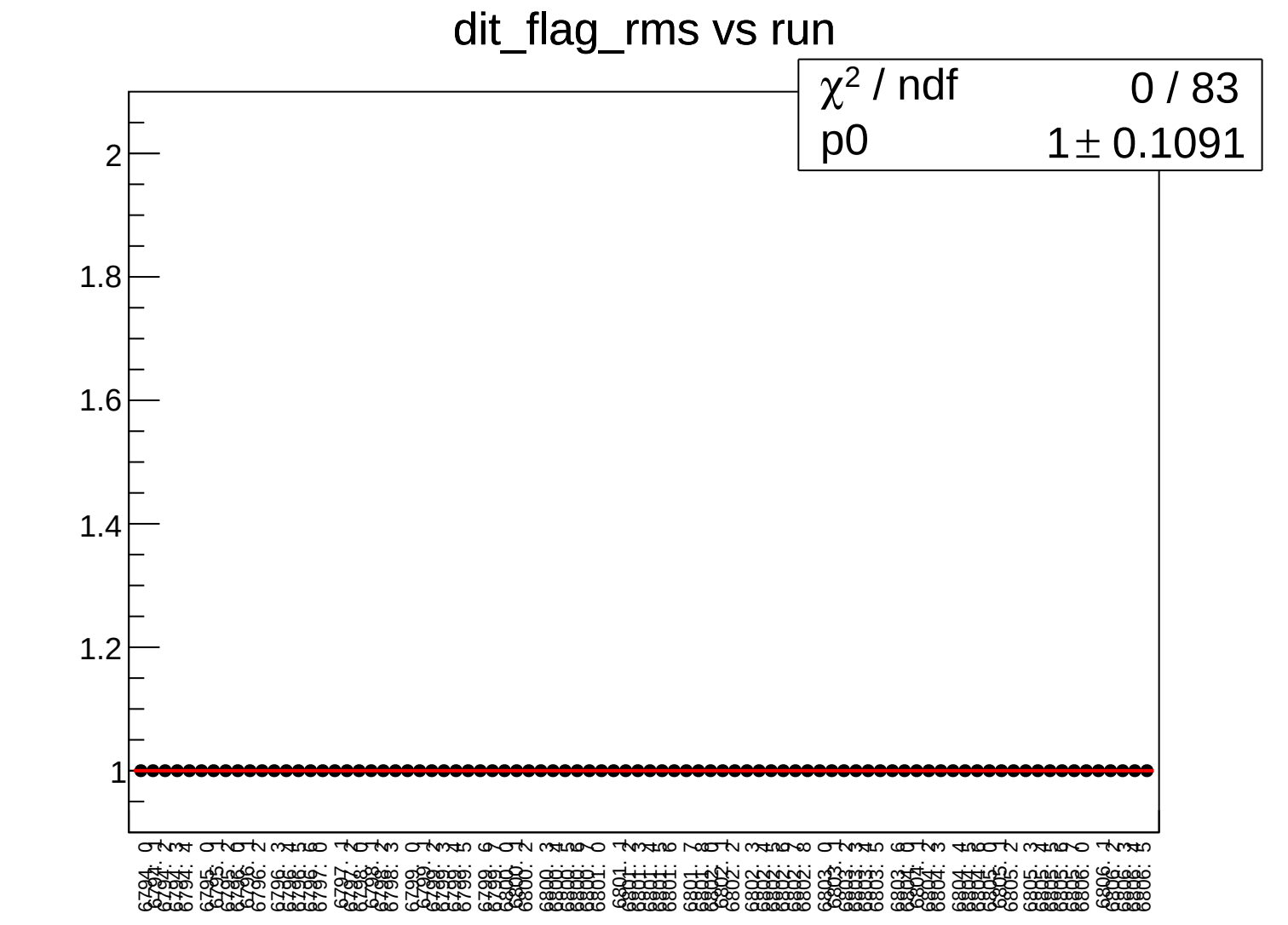

dit_scandata2_mean vs run
χ² / ndf 0 / 83
p0 0 ± 0.1091
1
0.8
0.6
0.4
0.2
0

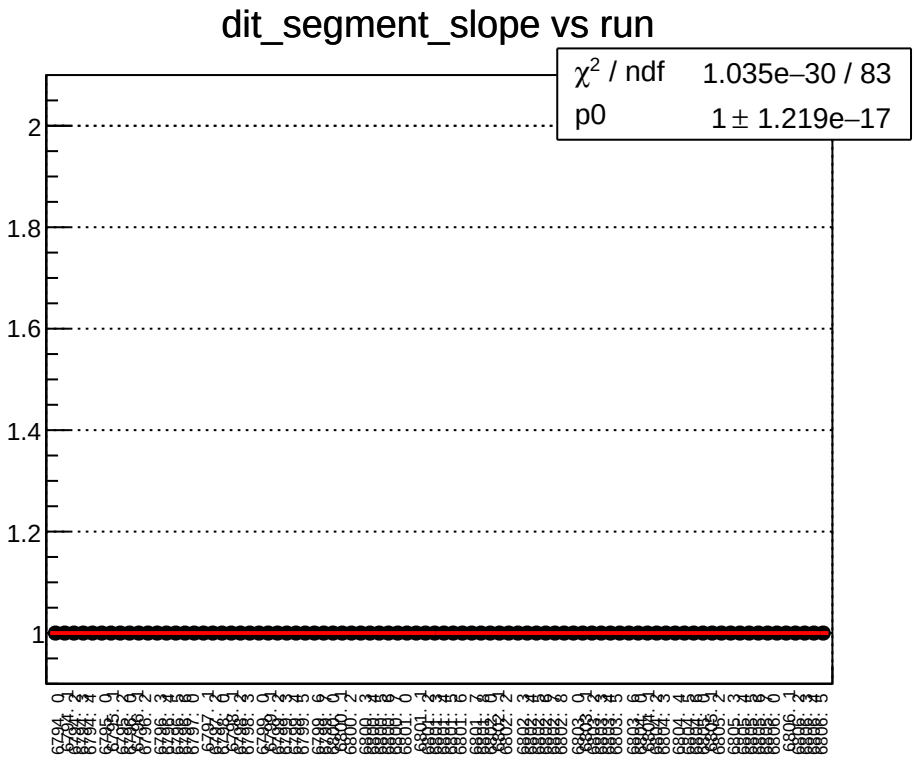

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

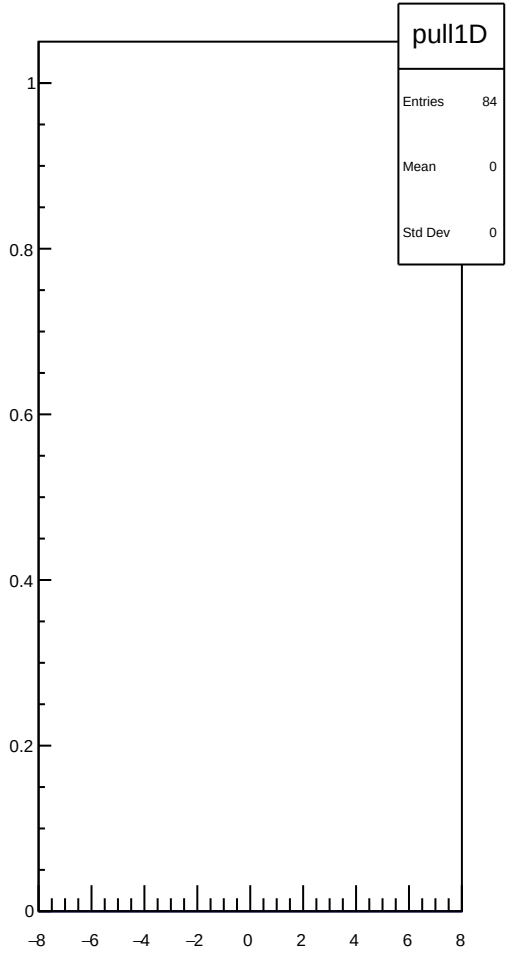

dit_scandata2_rms vs run
χ² / ndf 0 / 83
p0 0 ± 0.1091
1
0.8
0.6
0.4
0.2
0

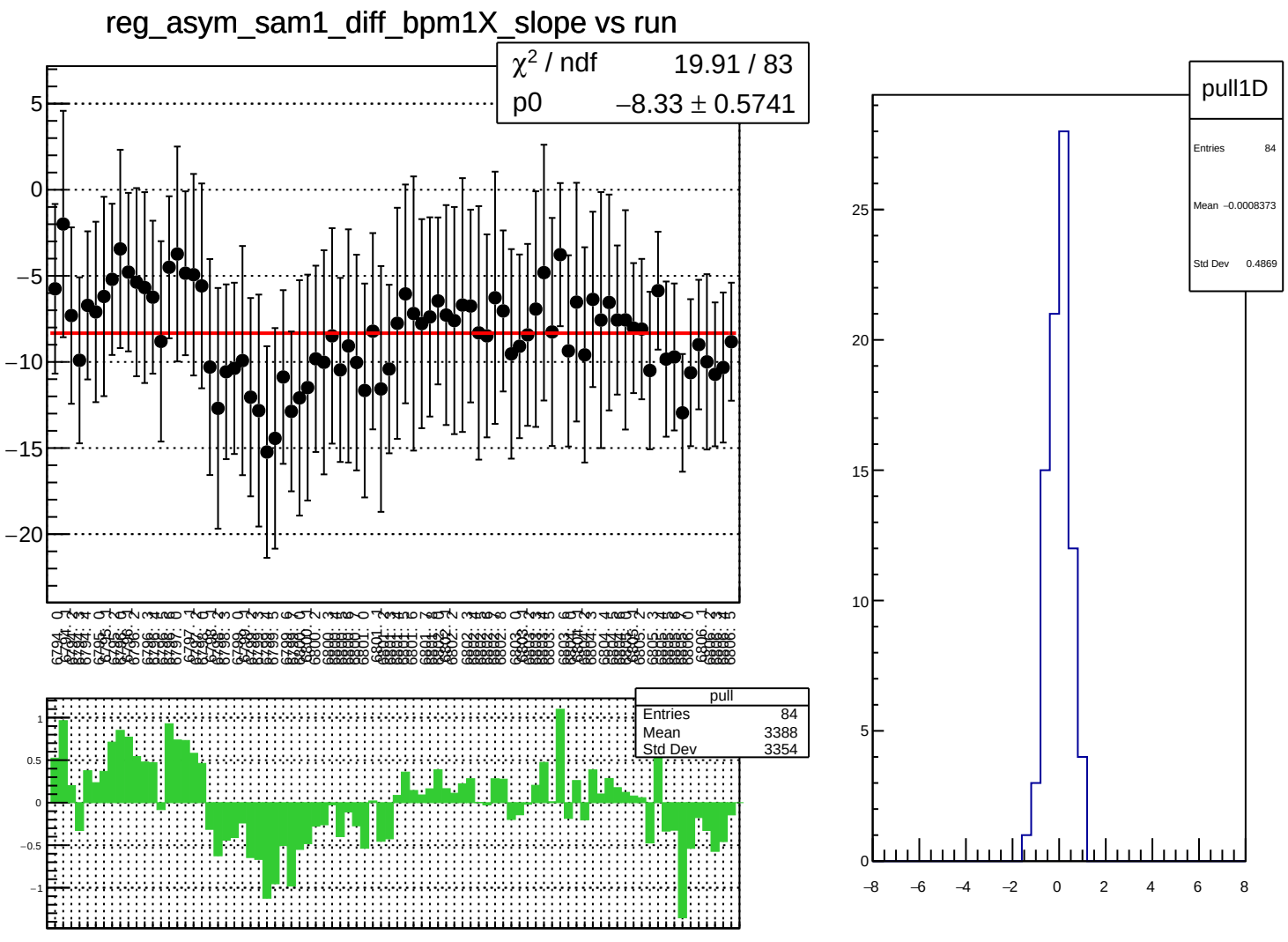

dit_flag_mean vs run
χ^2 / ndf 0 / 83
p0 1 ± 0.1091
2
1.8
1.6
1.4
1.2
1

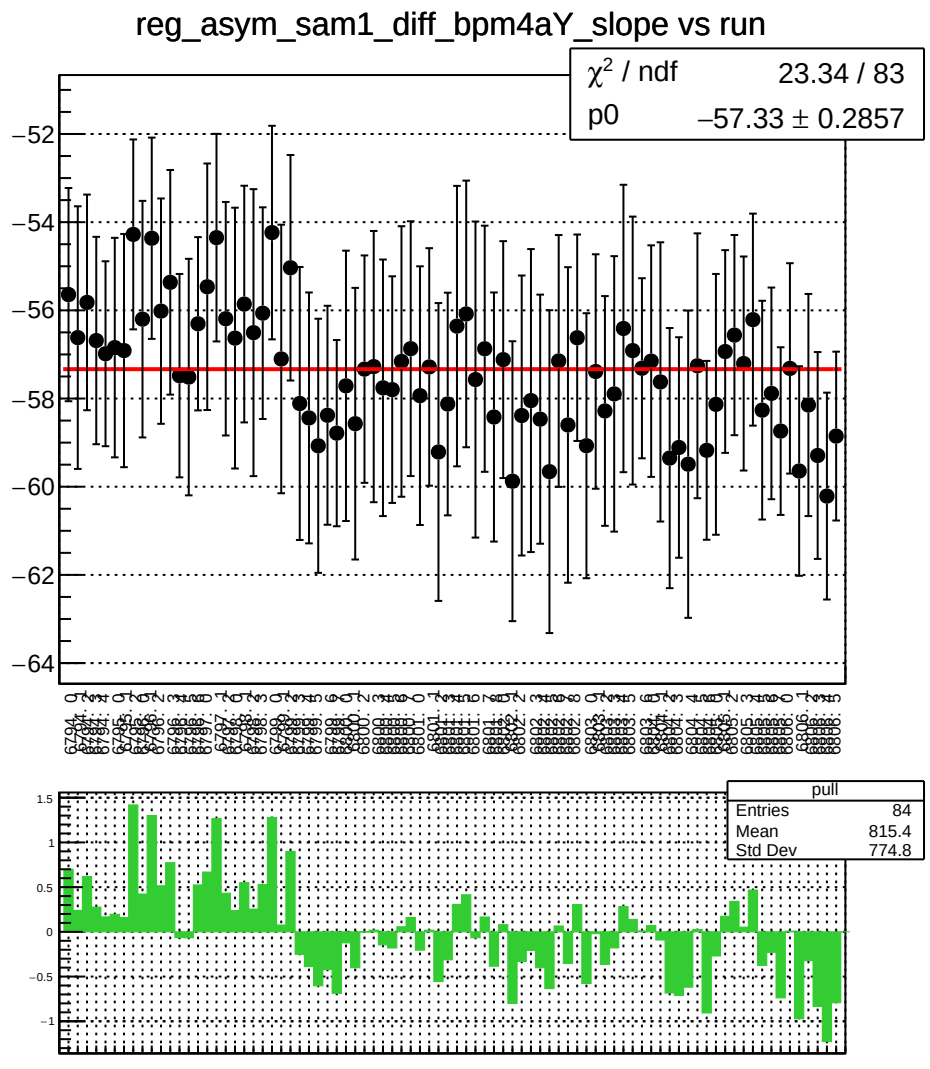

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

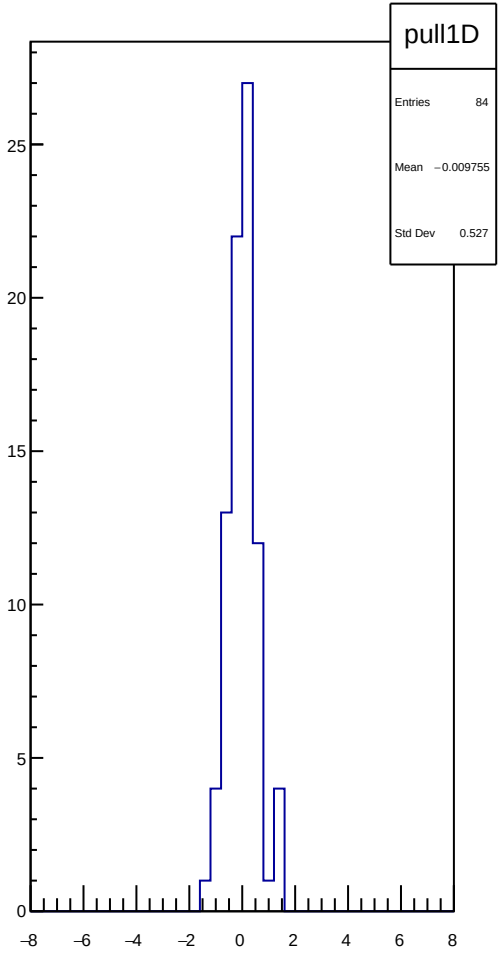

dit_flag_rms vs run
χ² / ndf 0 / 83
p0 1 ± 0.1091
2
1.8
1.6
1.4
1.2
1

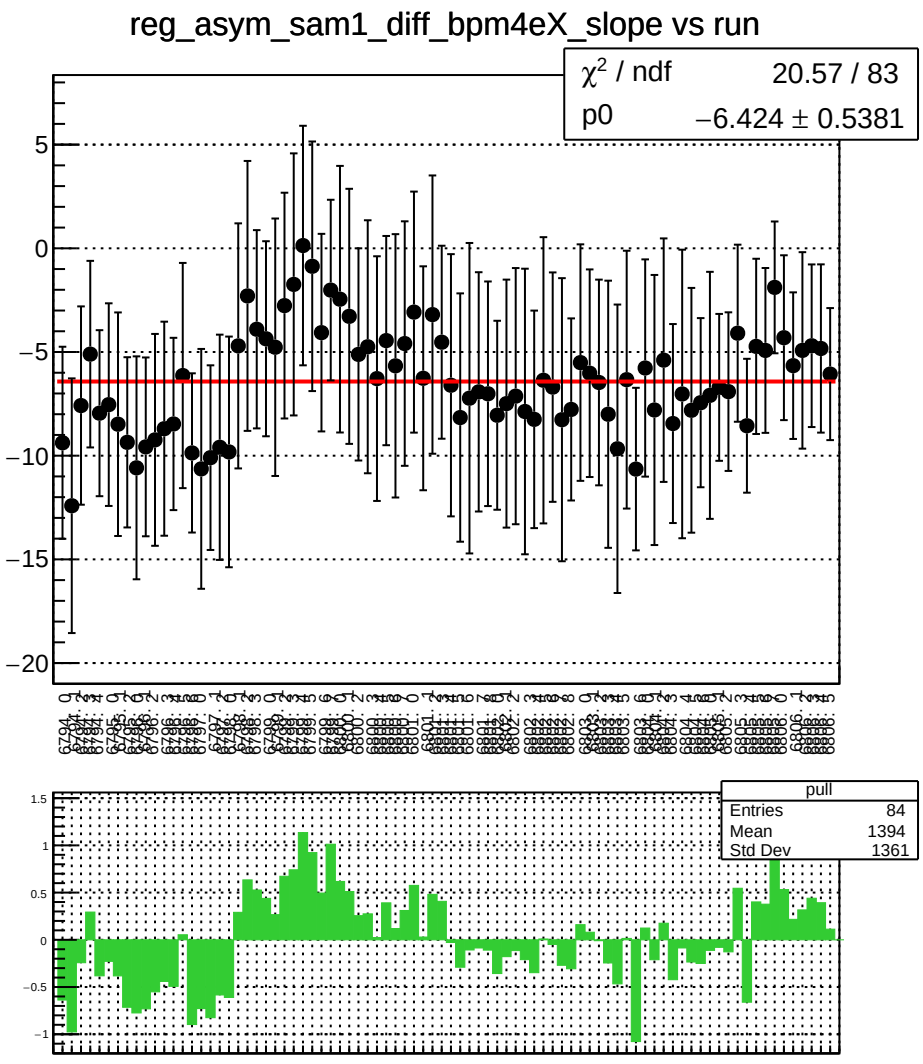

dit_segment_slope vs run
χ² / ndf 1.035e−30 / 83
p0 1 ± 1.219e−17
2
1.8
1.6
1.4
1.2
1

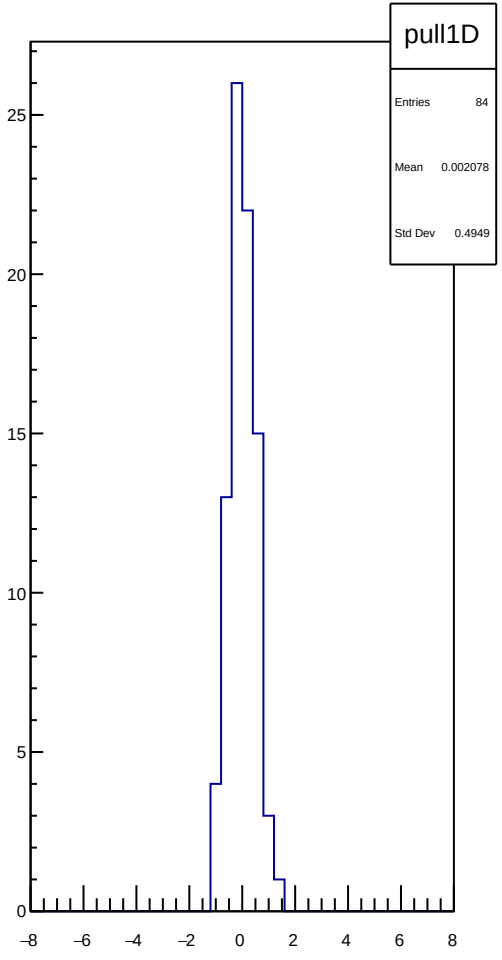

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

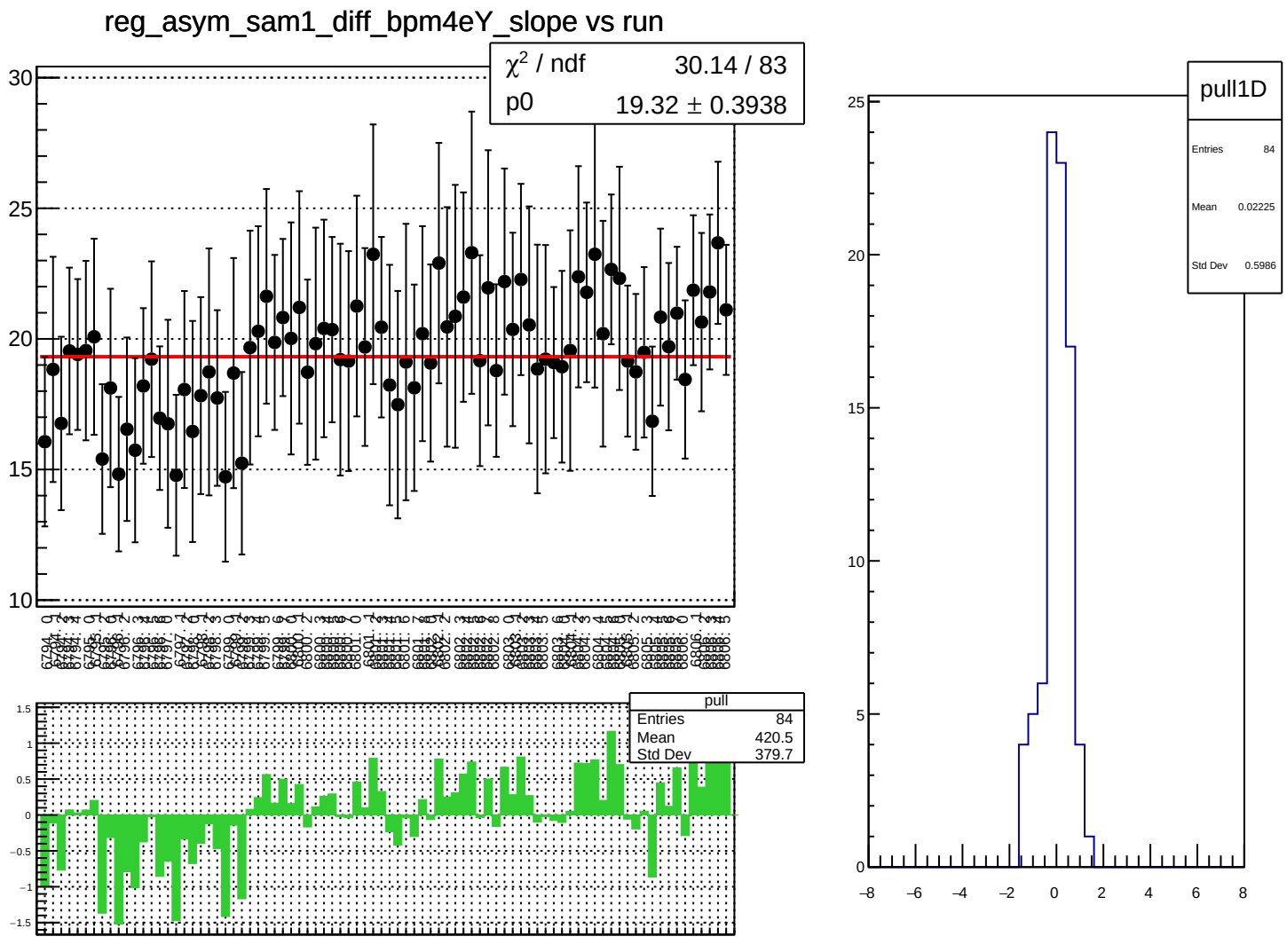

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 19.91 / 83
p0 −8.33 ± 0.5741
pull
Entries 84
Mean 3388
Std Dev 3354
pull1D
Entries 84
Mean −0.0008373
Std Dev 0.4869

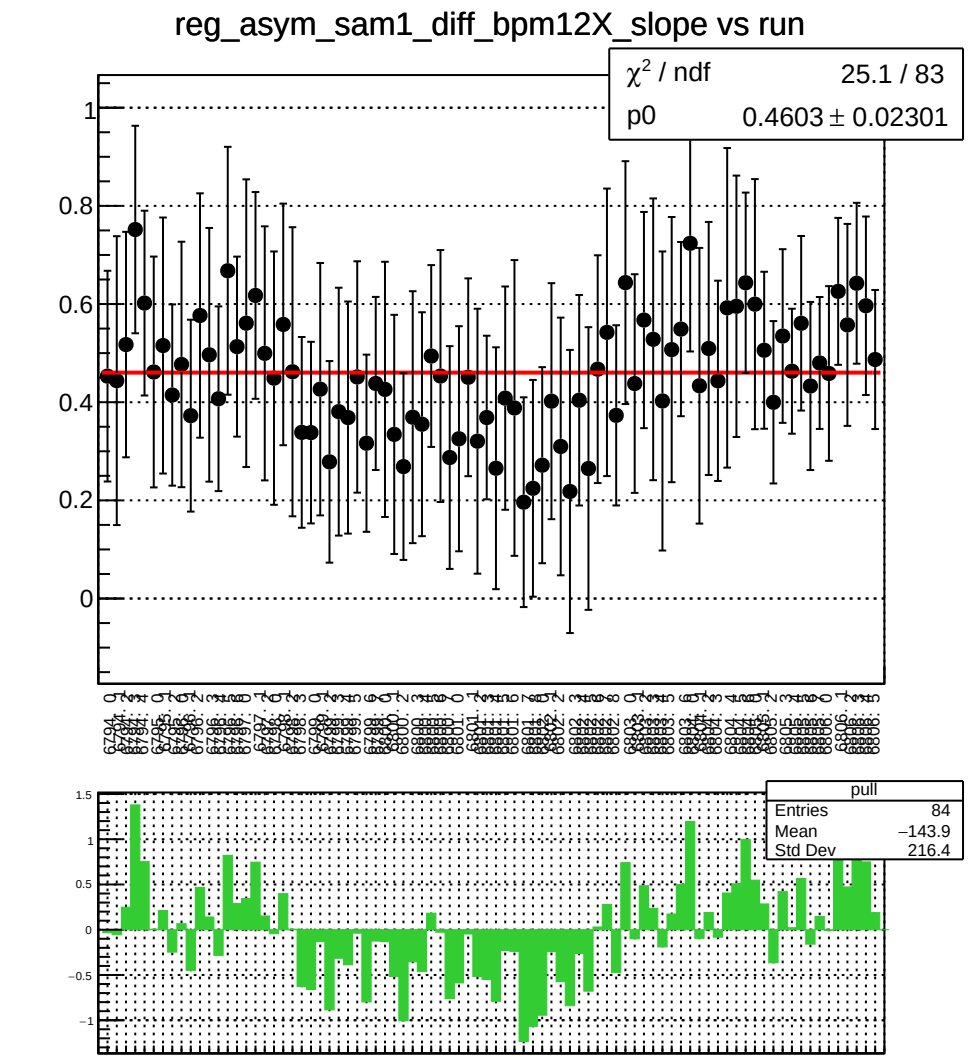

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 23.34 / 83
p0 −57.33 ± 0.2857
pull
Entries 84
Mean 815.4
Std Dev 774.8

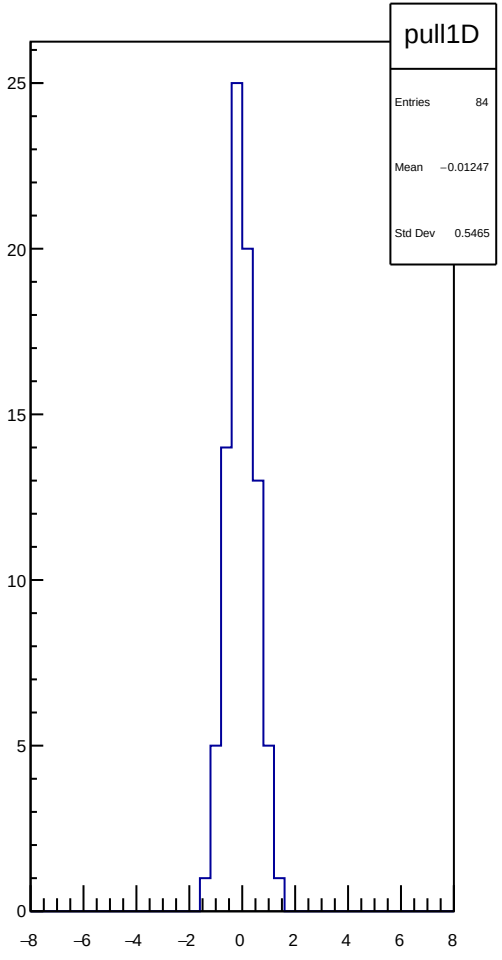

pull1D
Entries 84
Mean −0.009755
Std Dev 0.527

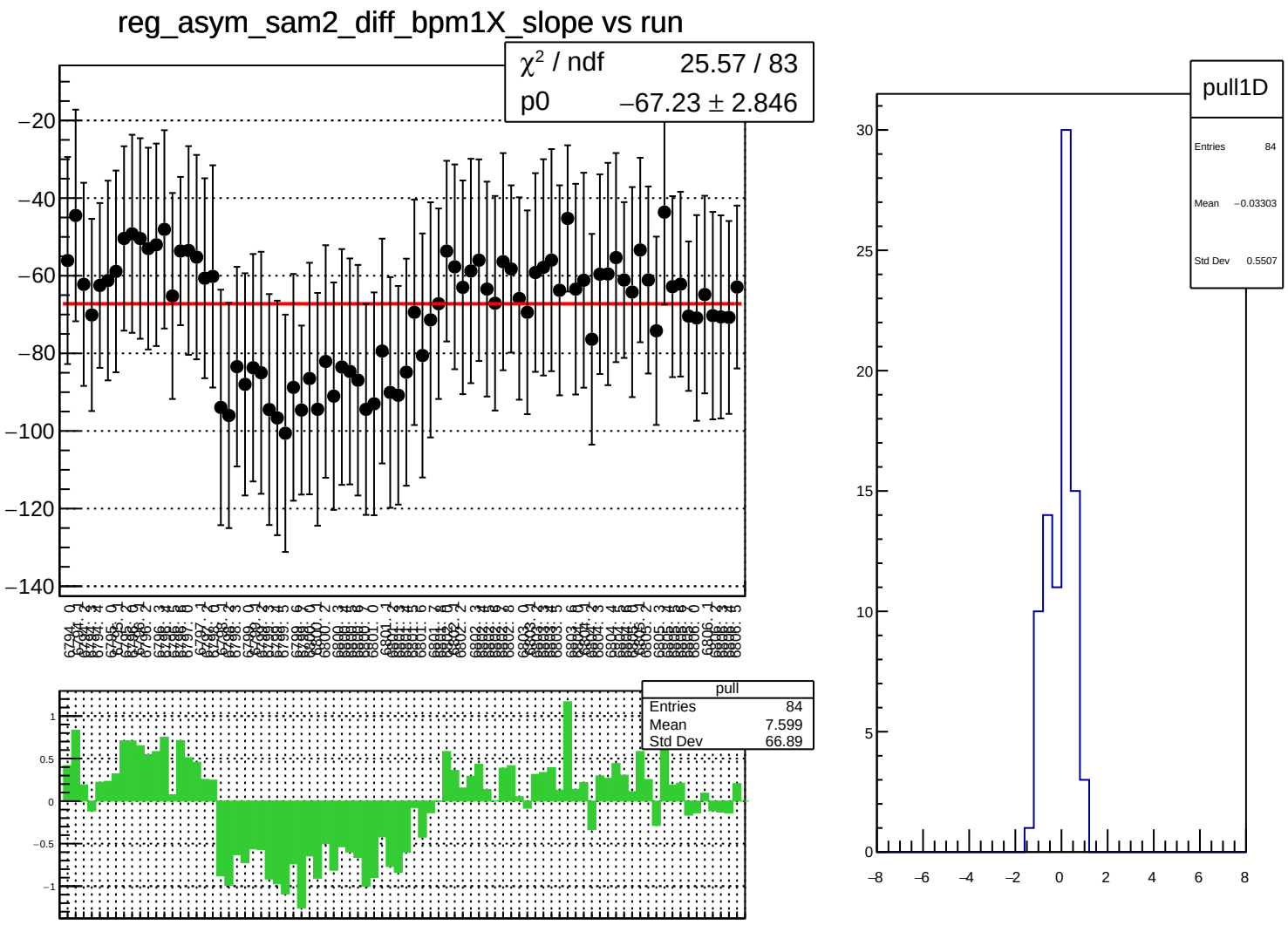

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 20.57 / 83
p0 −6.424 ± 0.5381
pull
Entries 84
Mean 1394
Std Dev 1361

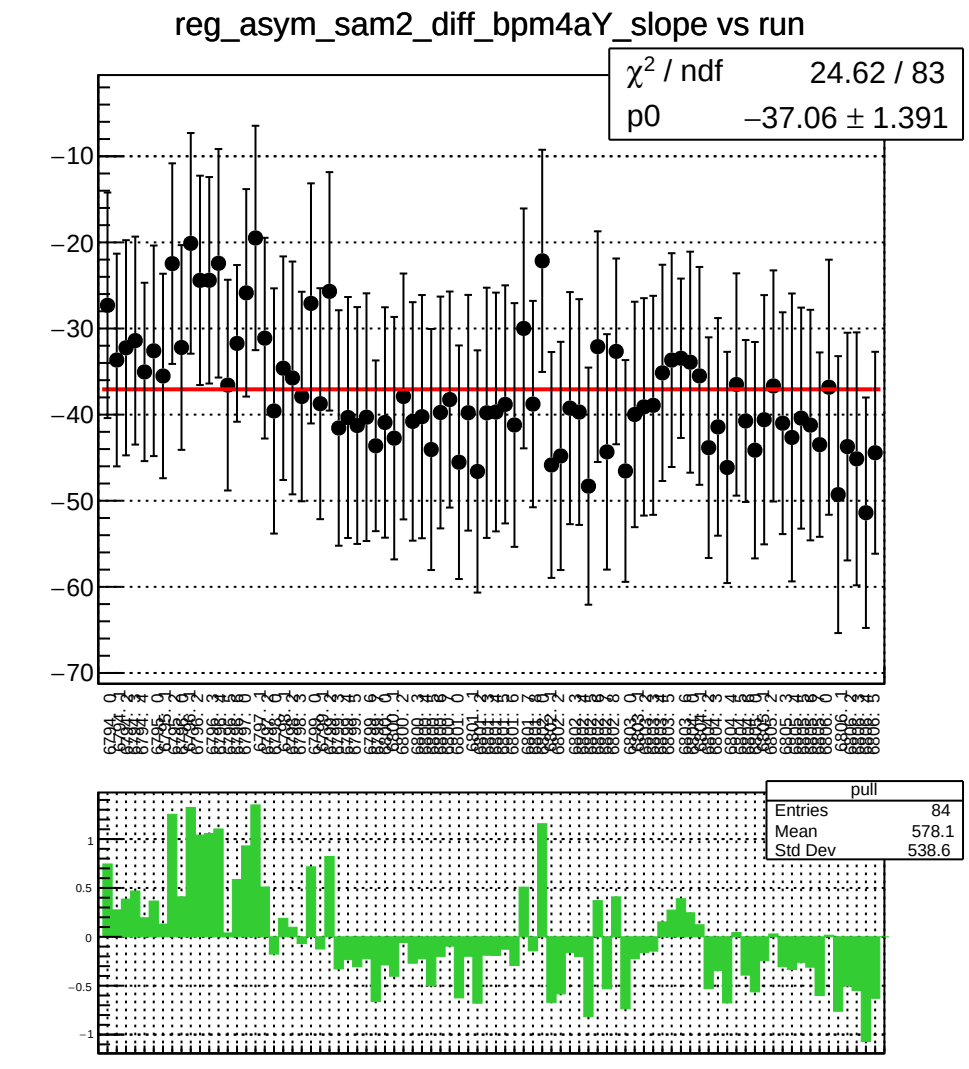

pull1D
Entries 84
Mean 0.002078
Std Dev 0.4949

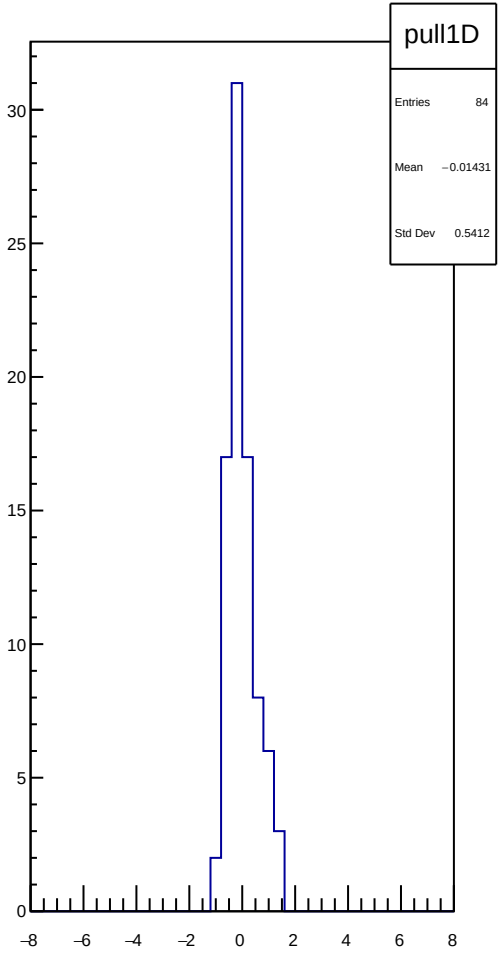

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 30.14 / 83
p0 19.32 ± 0.3938
pull
Entries 84
Mean 420.5
Std Dev 379.7
pull1D
Entries 84
Mean 0.02225
Std Dev 0.5986

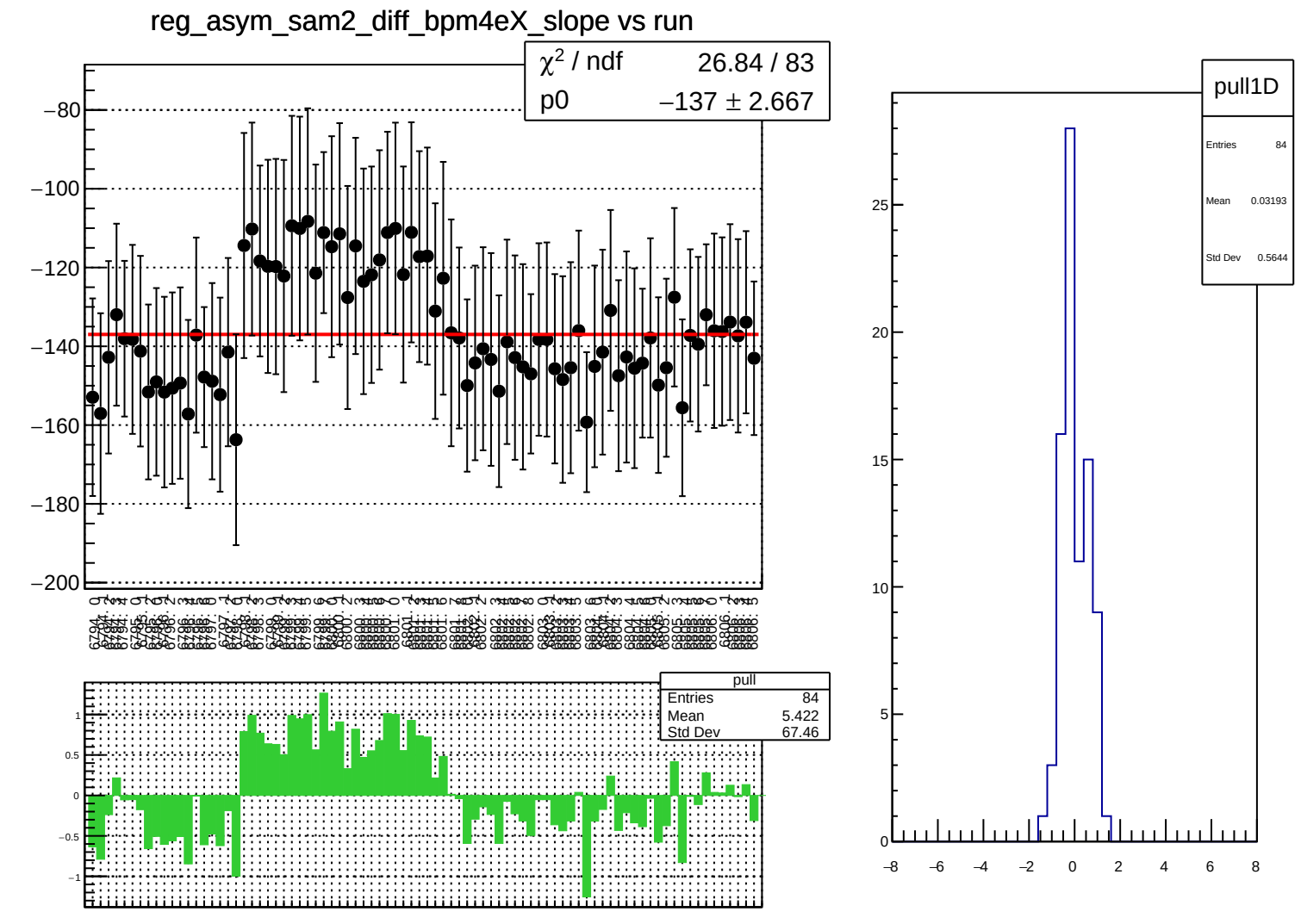

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 25.1 / 83
p0 0.4603 ± 0.02301
pull
Entries 84
Mean −143.9
Std Dev 216.4

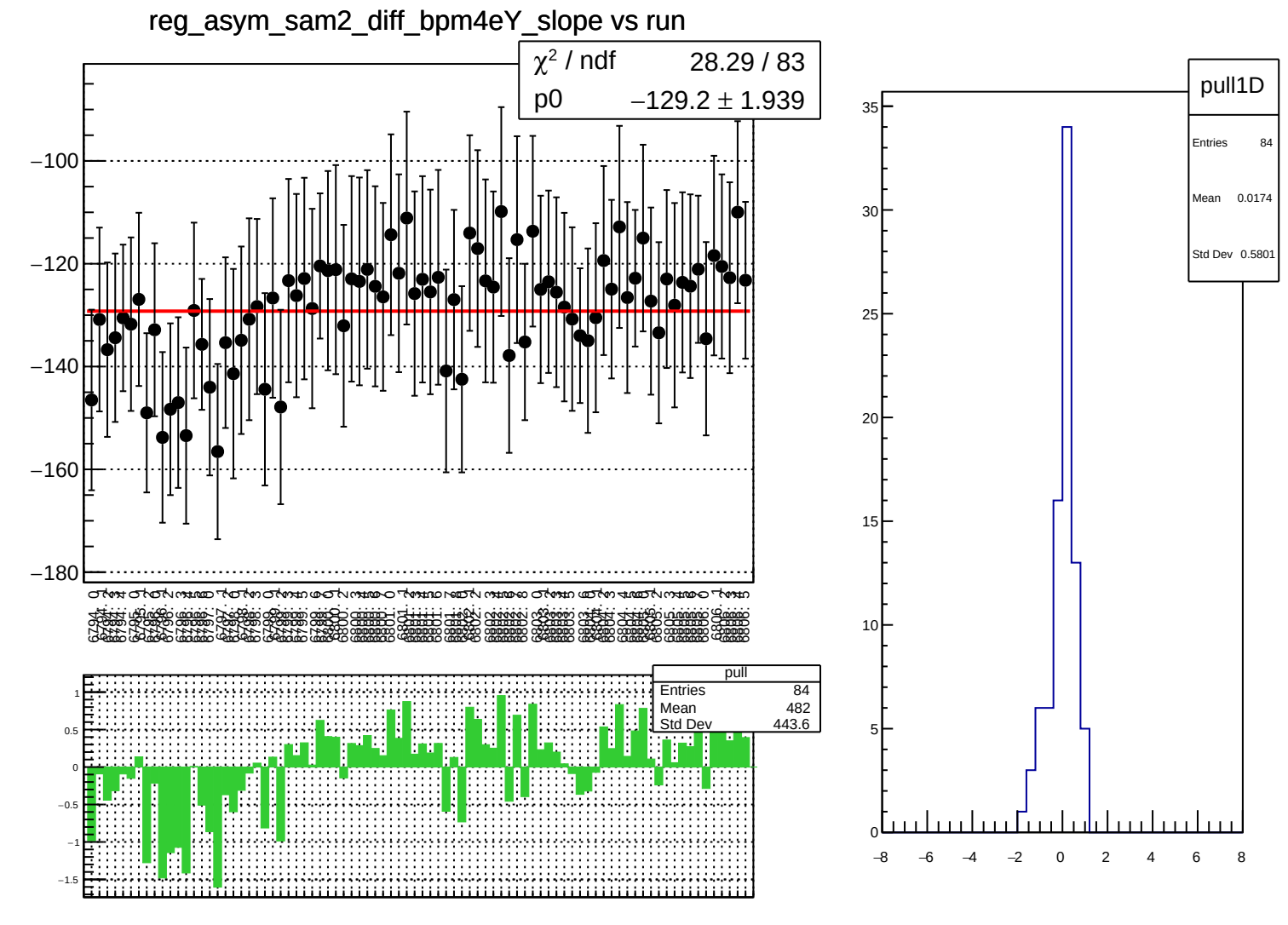

pull1D
Entries 84
Mean −0.01247
Std Dev 0.5465

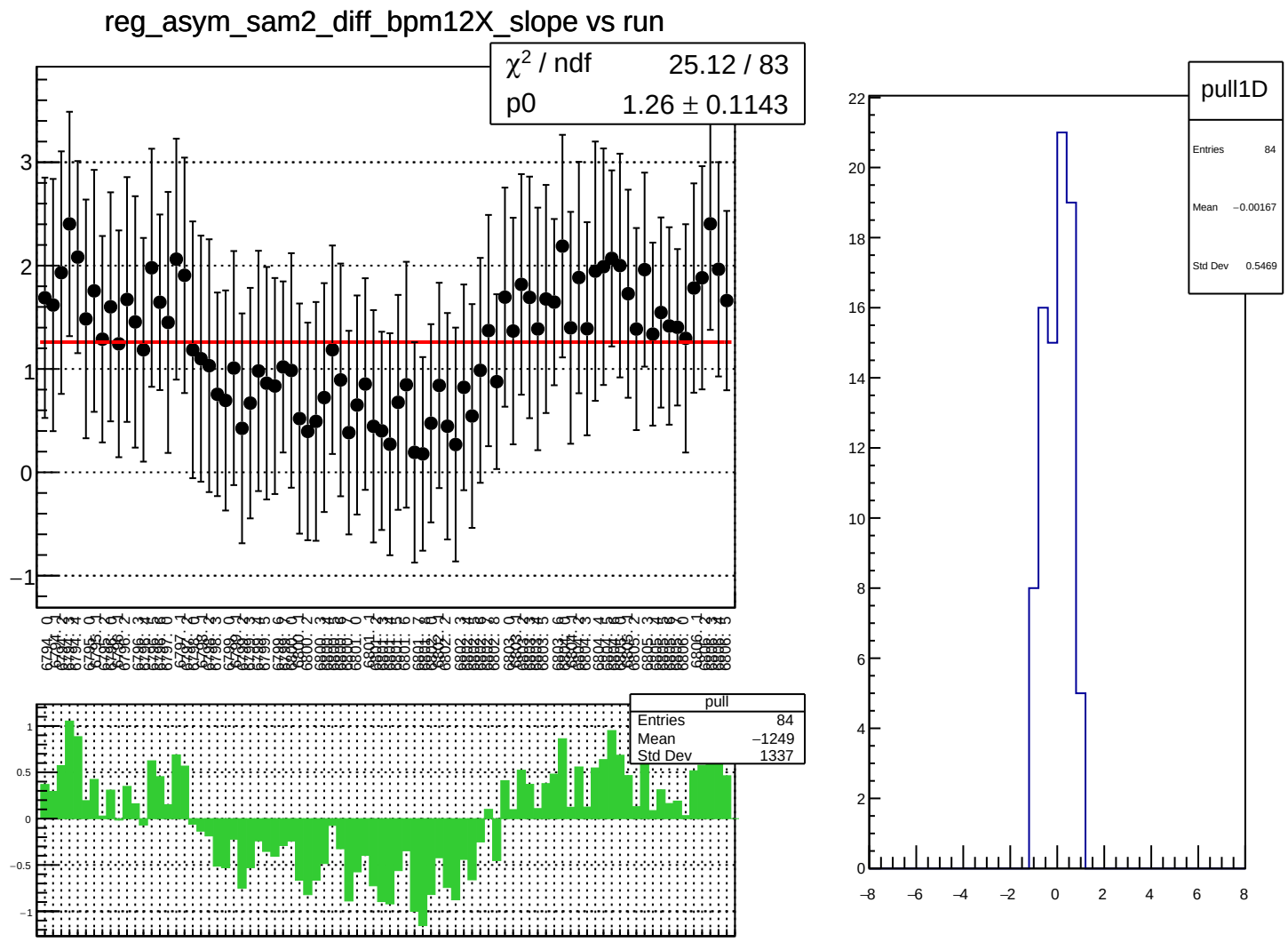

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 25.57 / 83
p0 −67.23 ± 2.846
pull
Entries 84
Mean 7.599
Std Dev 66.89
pull1D
Entries 84
Mean −0.03303
Std Dev 0.5507

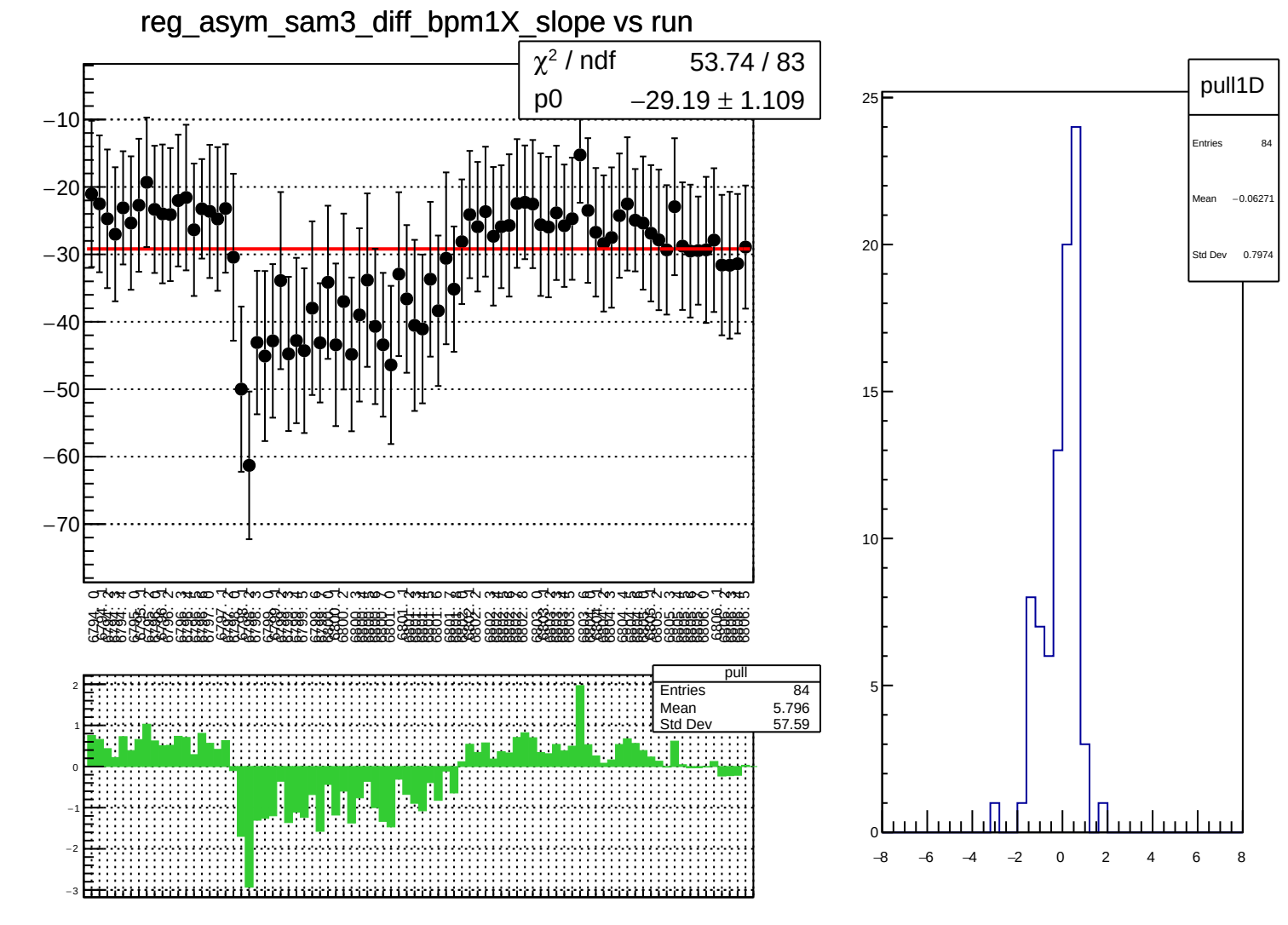

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 24.62 / 83
p0 −37.06 ± 1.391
pull
Entries 84
Mean 578.1
Std Dev 538.6

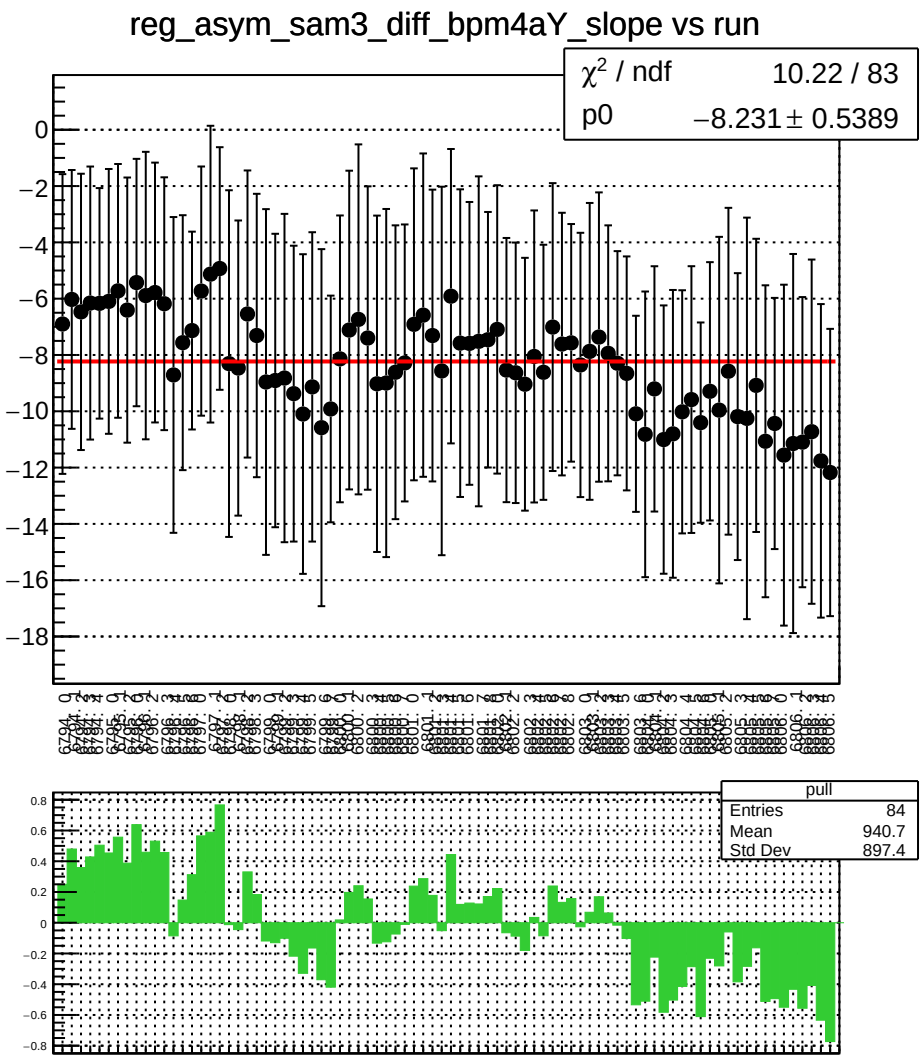

pull1D
Entries 84
Mean −0.01431
Std Dev 0.5412

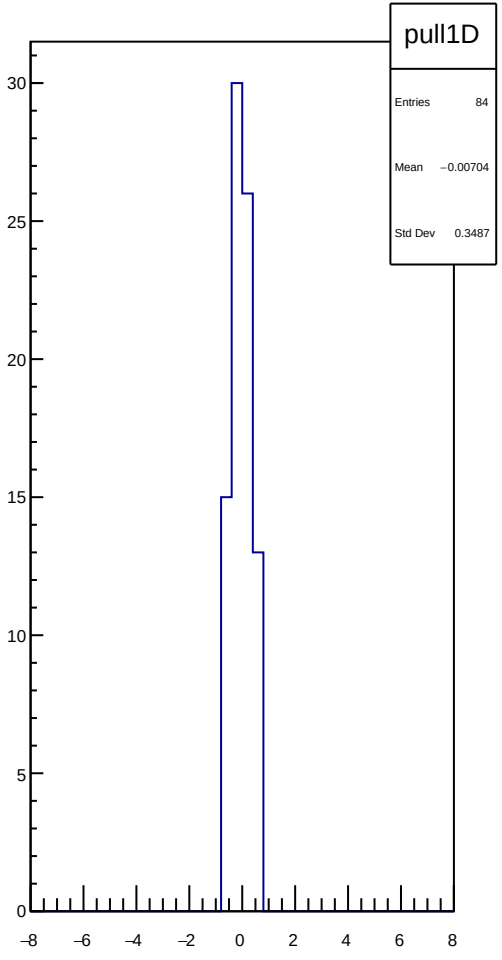

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 26.84 / 83
p0 −137 ± 2.667
pull
Entries 84
Mean 5.422
Std Dev 67.46
pull1D
Entries 84
Mean 0.03193
Std Dev 0.5644

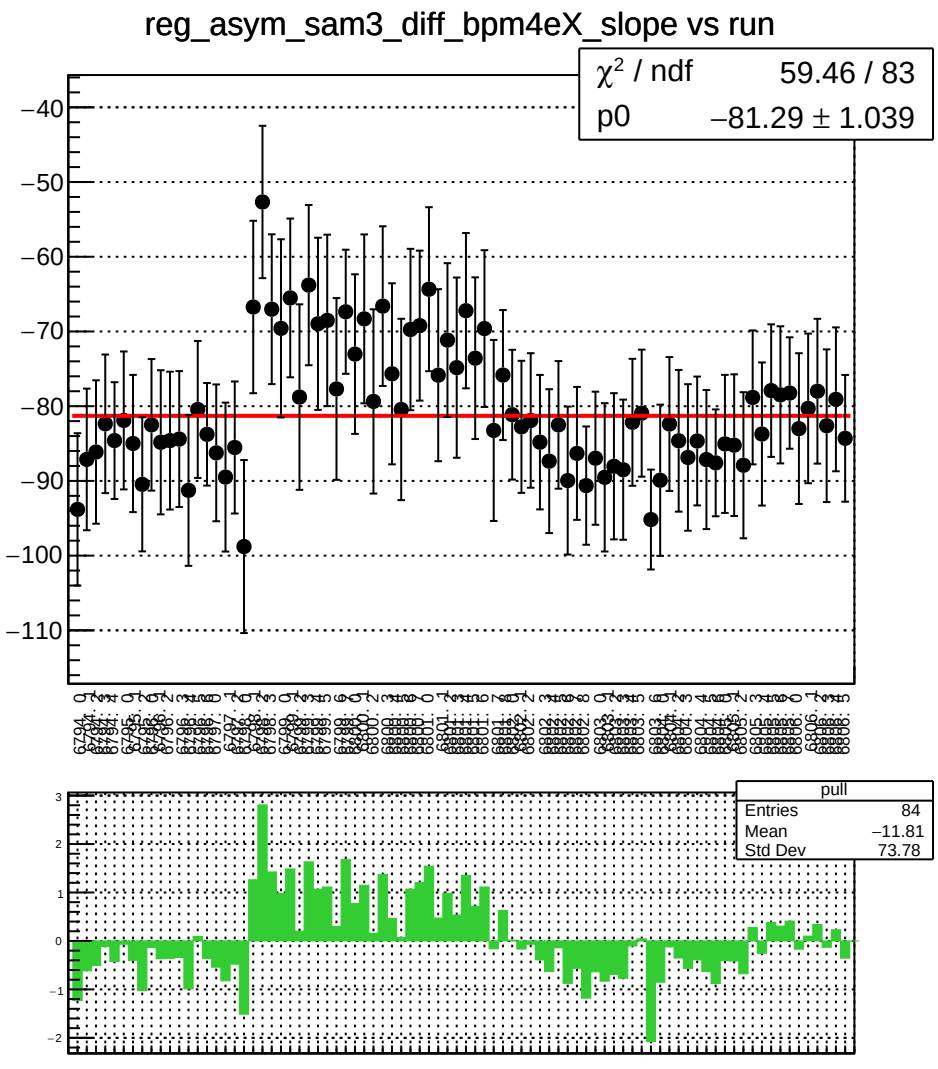

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 28.29 / 83
p0 −129.2 ± 1.939
−100
−120
−140
−160
−180
pull
Entries 84
Mean 482
Std Dev 443.6
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 84
Mean 0.0174
Std Dev 0.5801
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

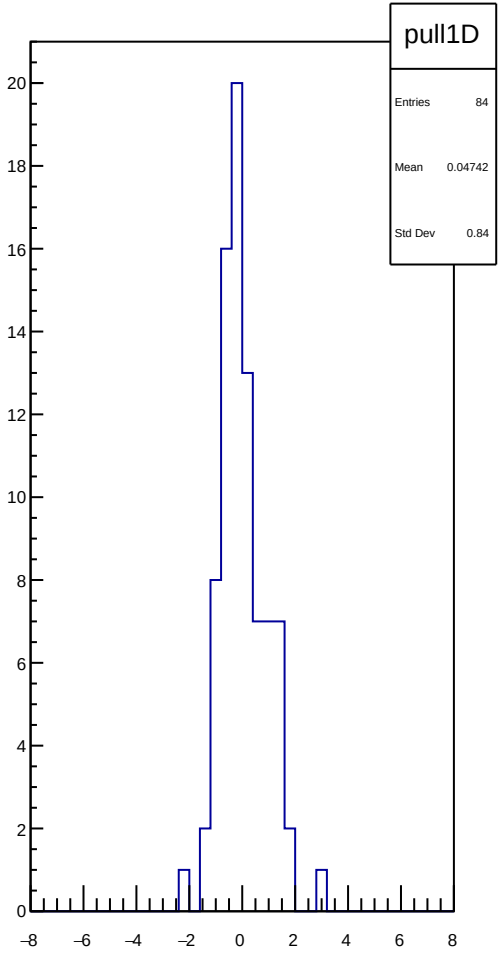

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 25.12 / 83
p0 1.26 ± 0.1143
pull
Entries 84
Mean −1249
Std Dev 1337
pull1D
Entries 84
Mean −0.00167
Std Dev 0.5469

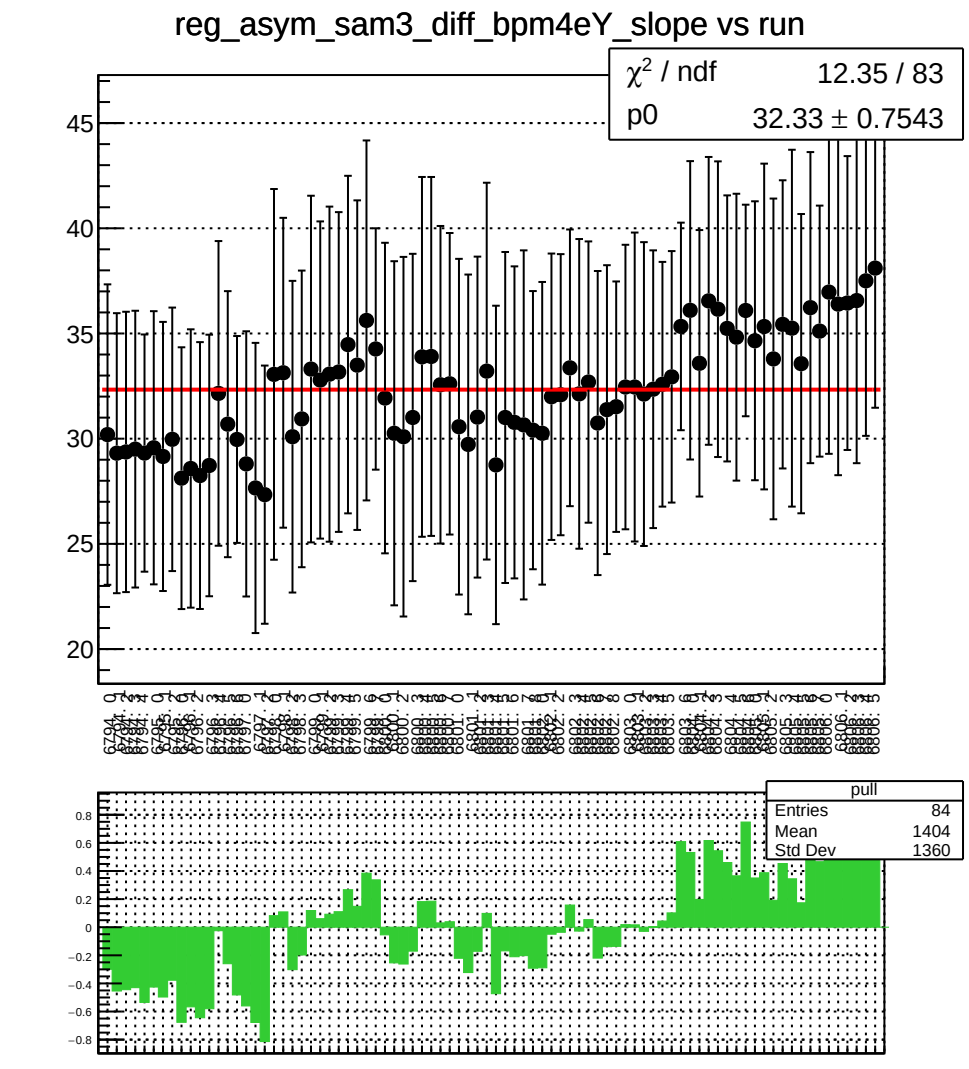

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 53.74 / 83
p0 −29.19 ± 1.109
pull
Entries 84
Mean 5.796
Std Dev 57.59
pull1D
Entries 84
Mean −0.06271
Std Dev 0.7974

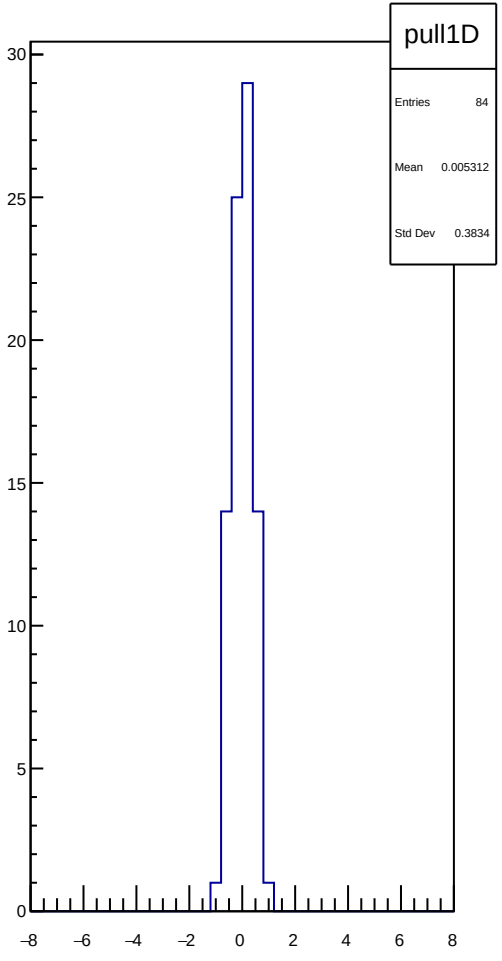

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 10.22 / 83
p0 −8.231 ± 0.5389
pull
Entries 84
Mean 940.7
Std Dev 897.4

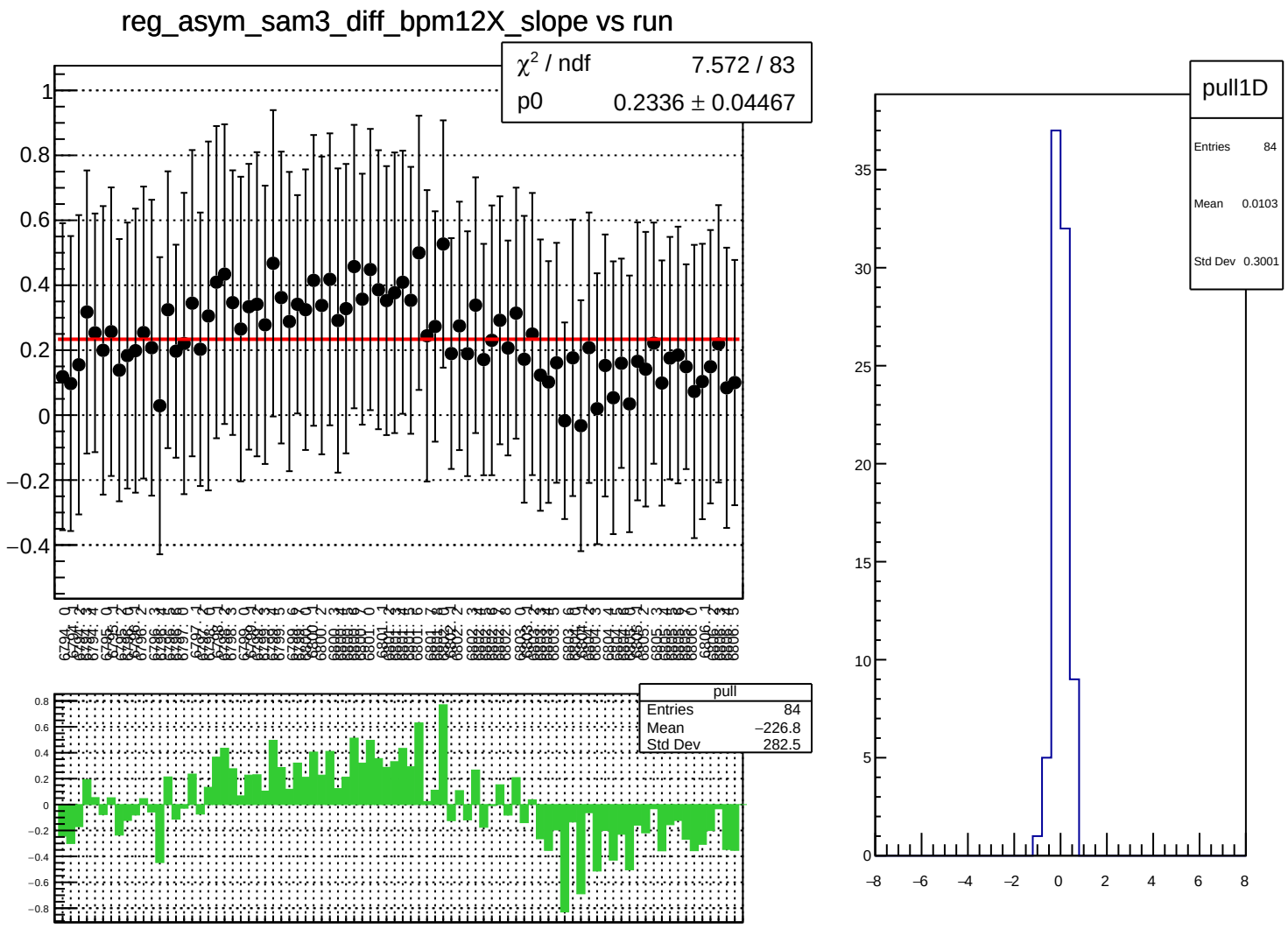

pull1D
Entries 84
Mean −0.00704
Std Dev 0.3487

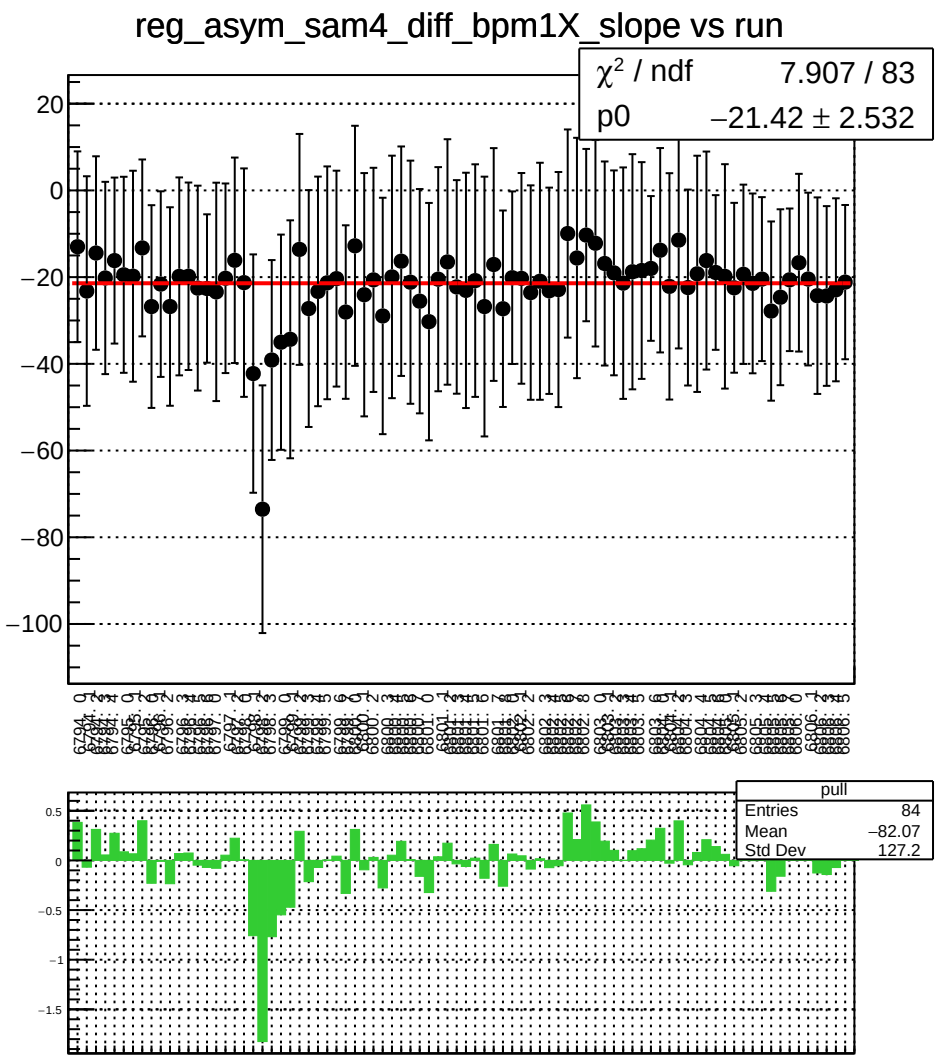

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 59.46 / 83
p0 −81.29 ± 1.039
pull
Entries 84
Mean −11.81
Std Dev 73.78

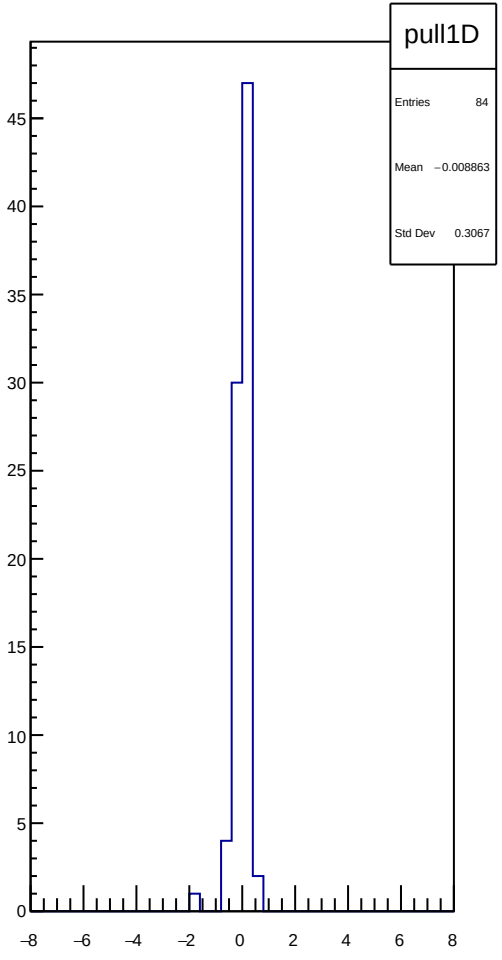

pull1D
Entries 84
Mean 0.04742
Std Dev 0.84

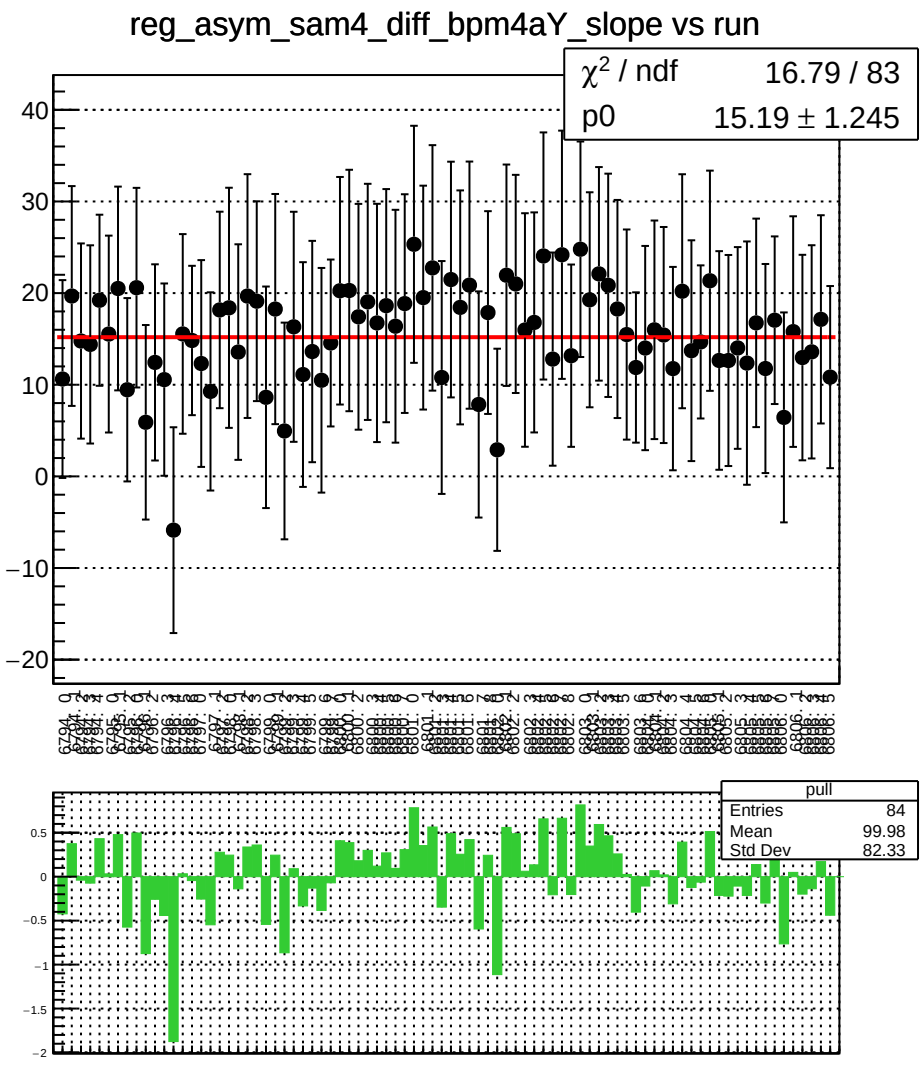

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 12.35 / 83
p0 32.33 ± 0.7543
pull
Entries 84
Mean 1404
Std Dev 1360

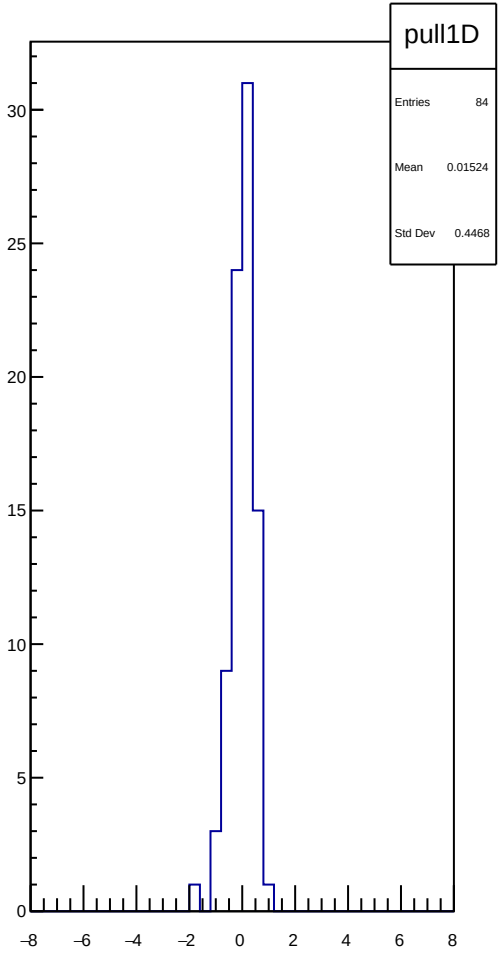

pull1D
Entries 84
Mean 0.005312
Std Dev 0.3834

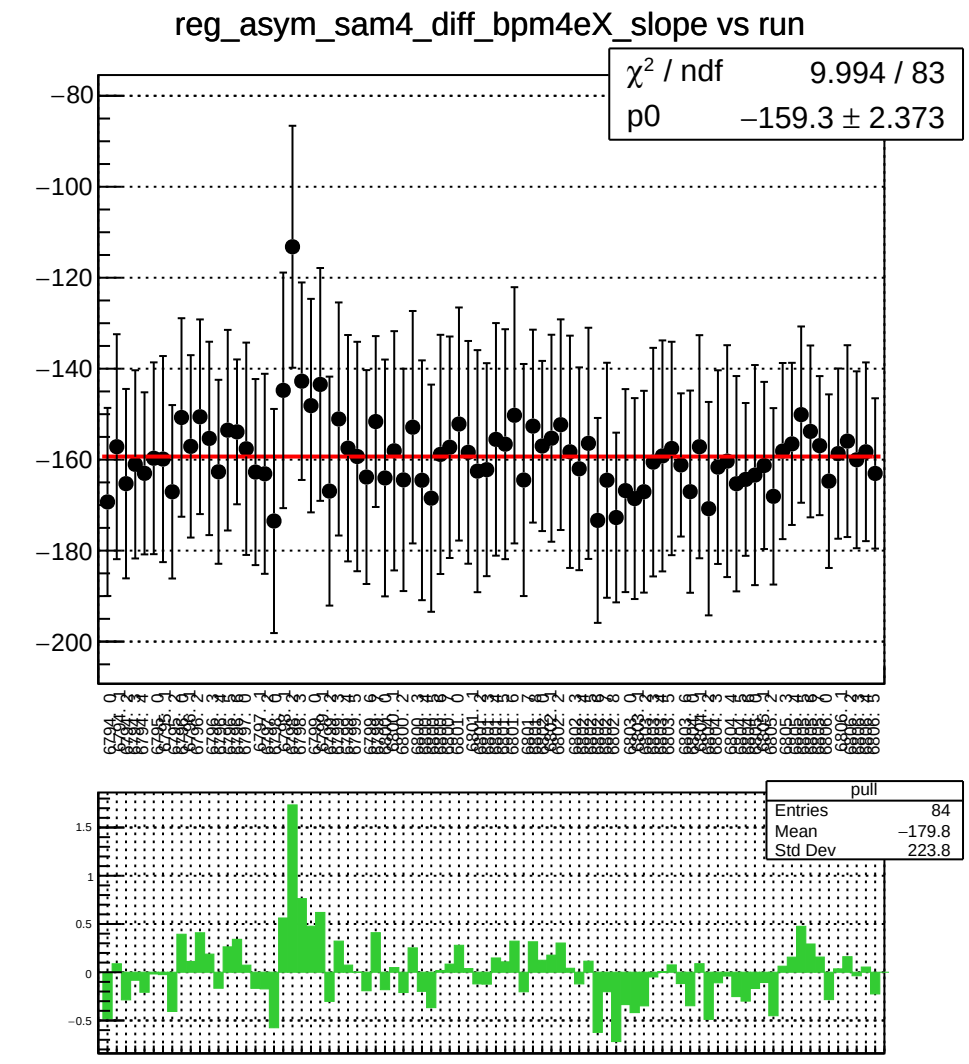

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 7.572 / 83
p0 0.2336 ± 0.04467
pull
Entries 84
Mean −226.8
Std Dev 282.5
pull1D
Entries 84
Mean 0.0103
Std Dev 0.3001

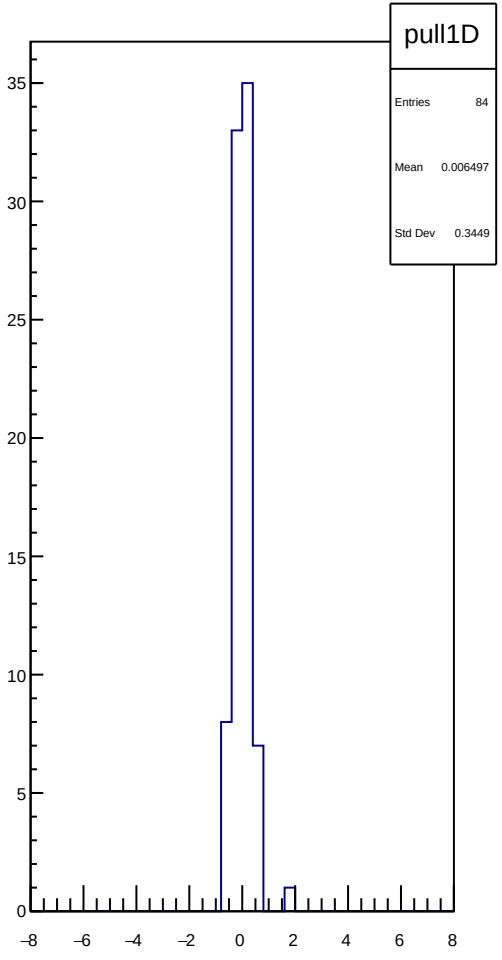

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 7.907 / 83
p0 −21.42 ± 2.532
pull
Entries 84
Mean −82.07
Std Dev 127.2

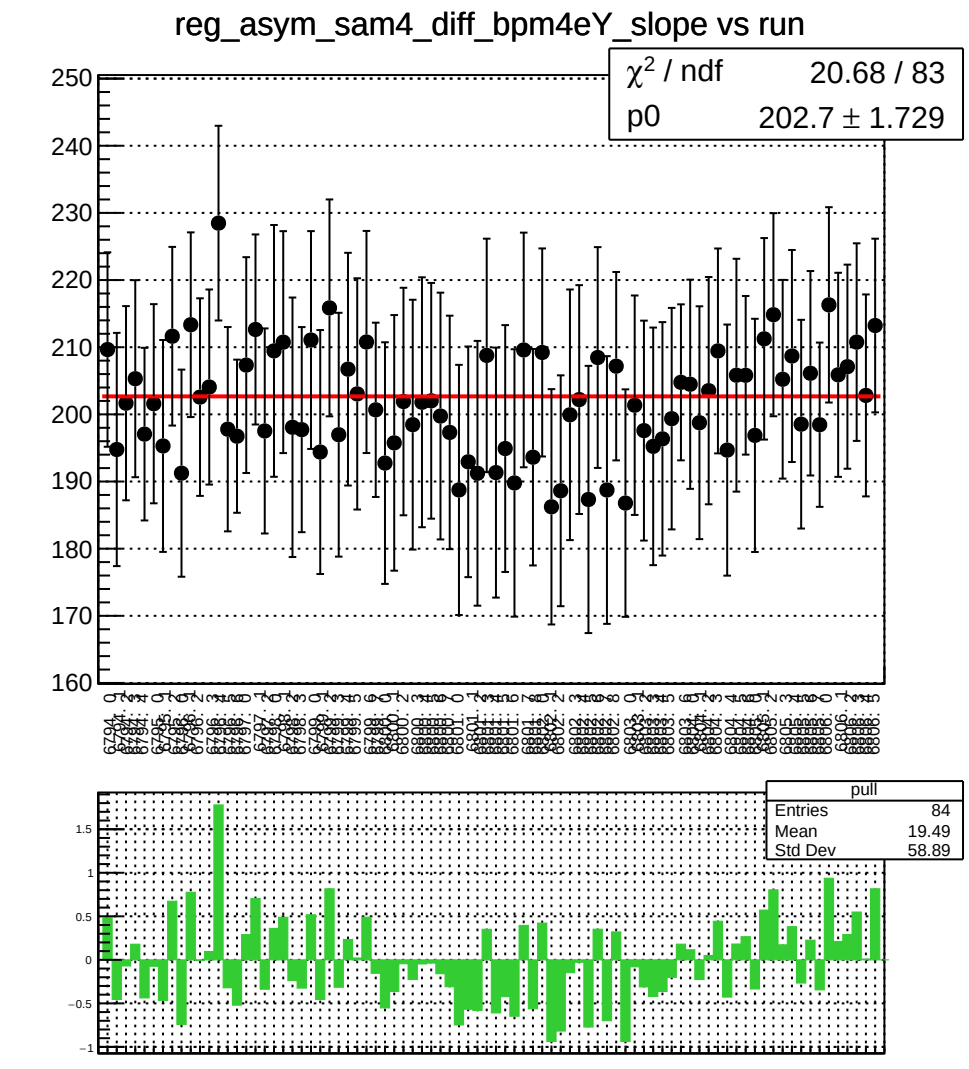

pull1D
Entries 84
Mean −0.008863
Std Dev 0.3067

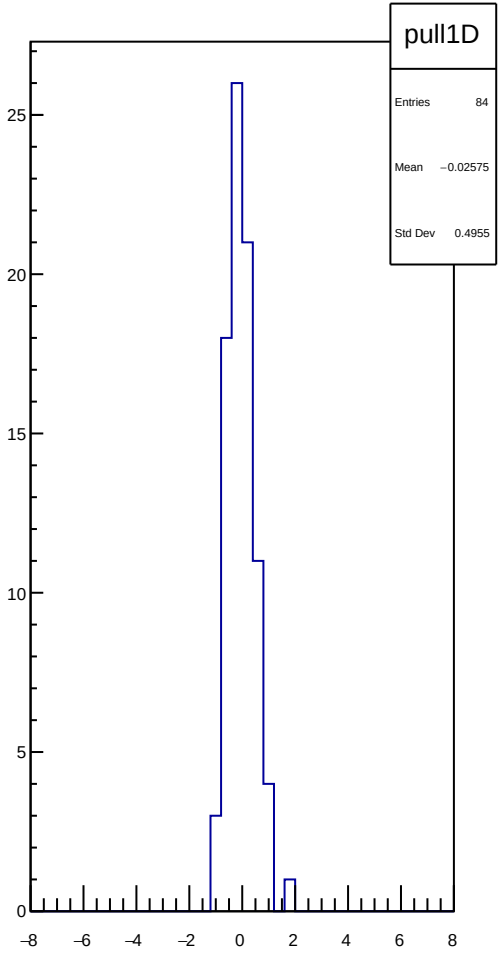

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 16.79 / 83
p0 15.19 ± 1.245
pull
Entries 84
Mean 99.98
Std Dev 82.33

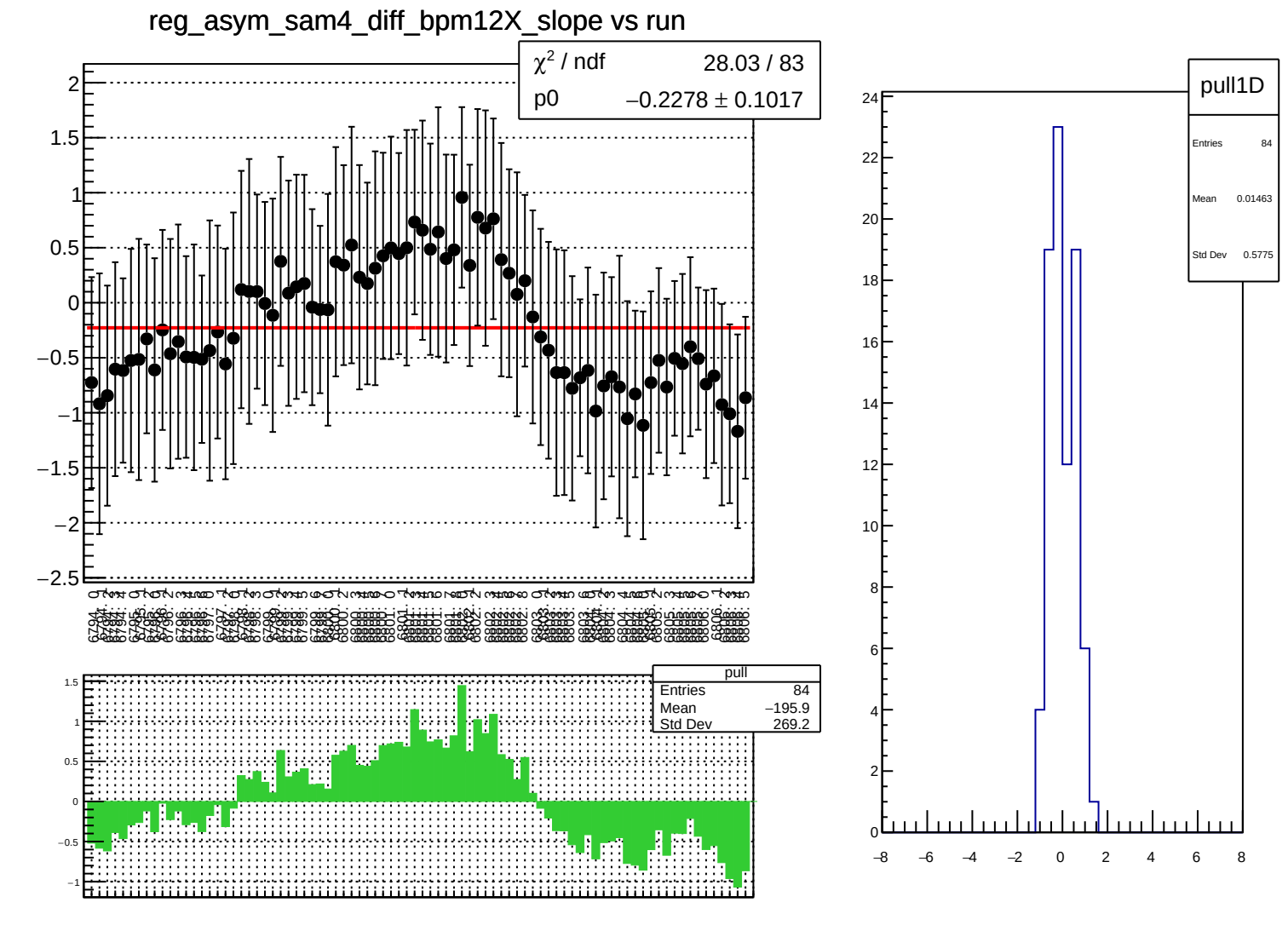

pull1D
Entries 84
Mean 0.01524
Std Dev 0.4468

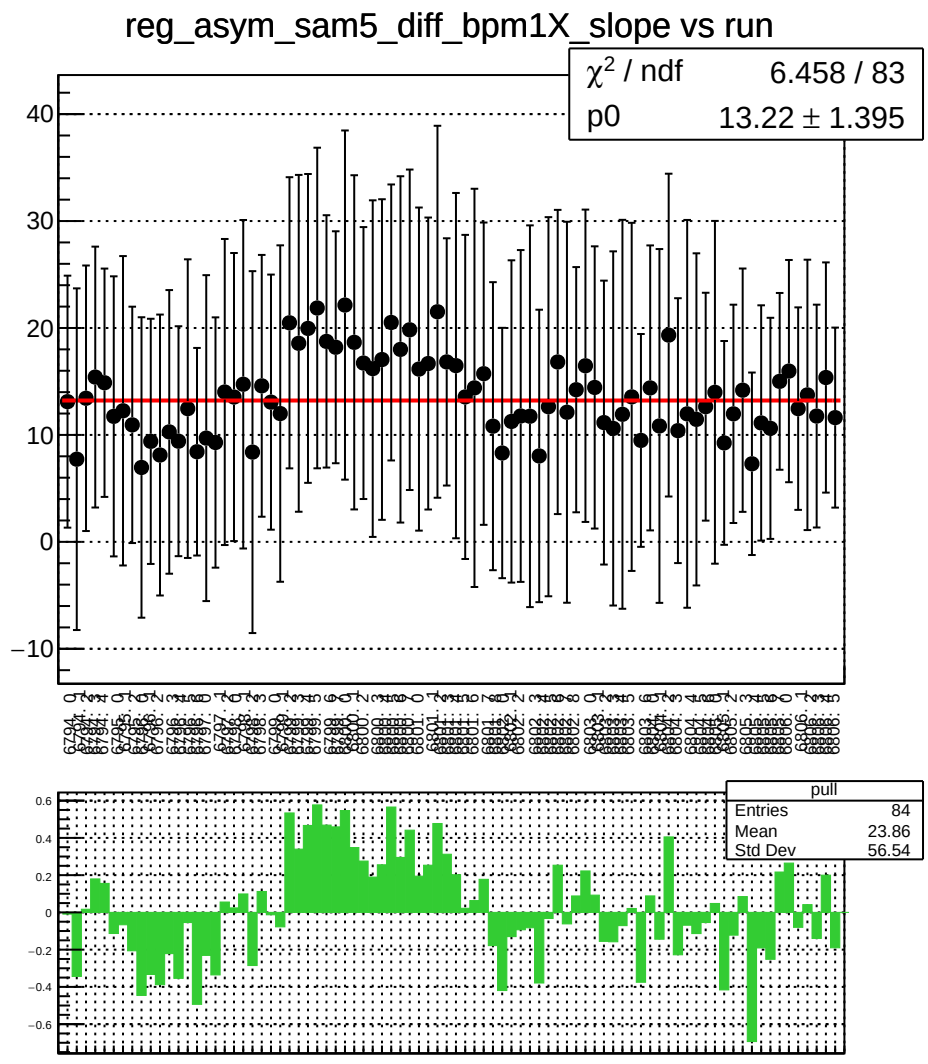

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 9.994 / 83
p0 −159.3 ± 2.373
pull
Entries 84
Mean −179.8
Std Dev 223.8

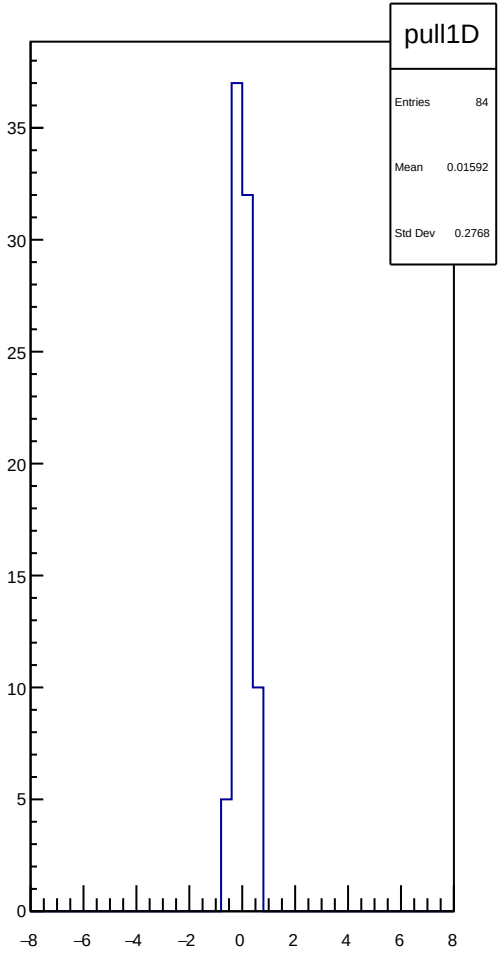

pull1D
Entries 84
Mean 0.006497
Std Dev 0.3449

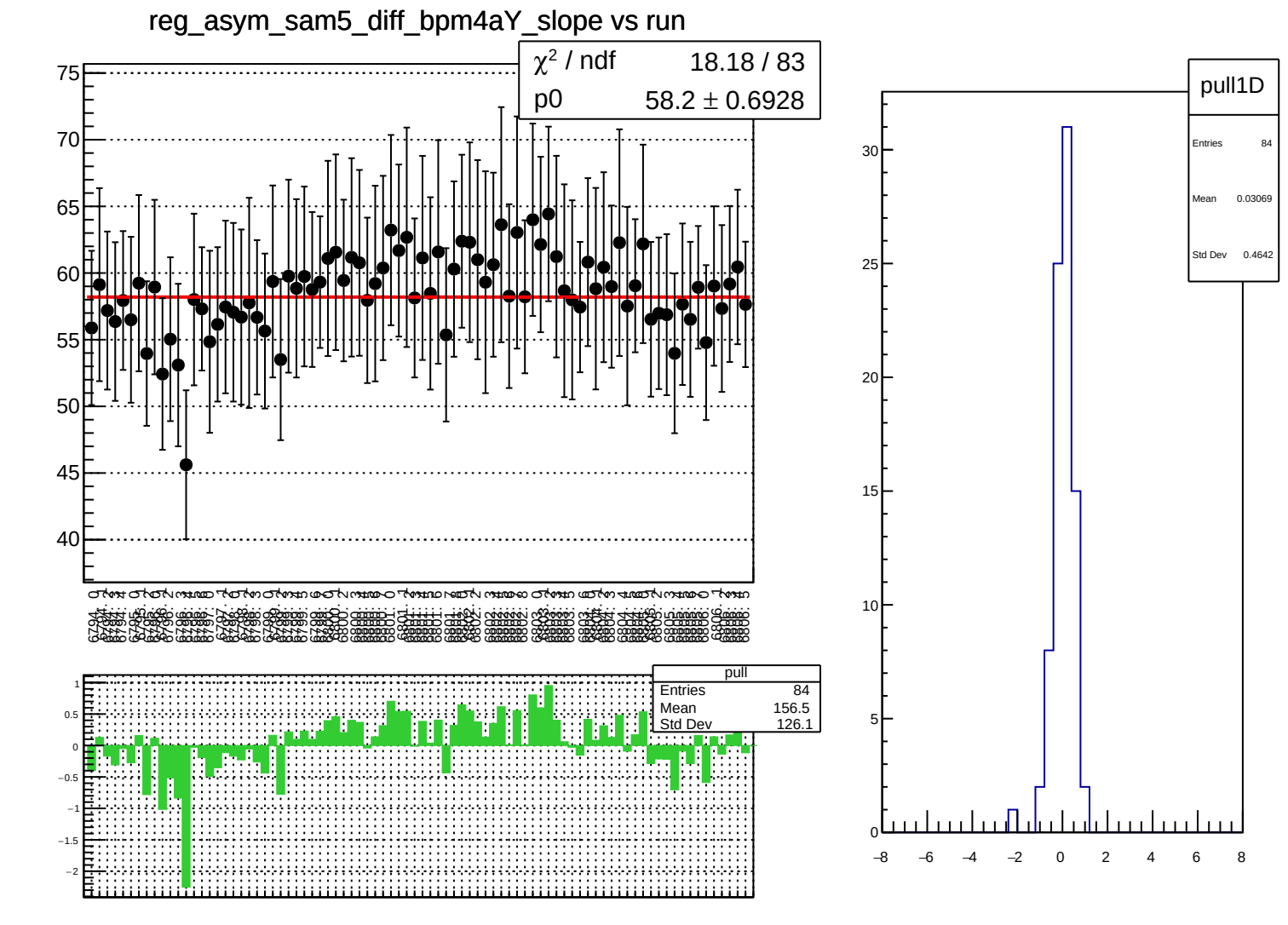

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 20.68 / 83
p0 202.7 ± 1.729
pull
Entries 84
Mean 19.49
Std Dev 58.89

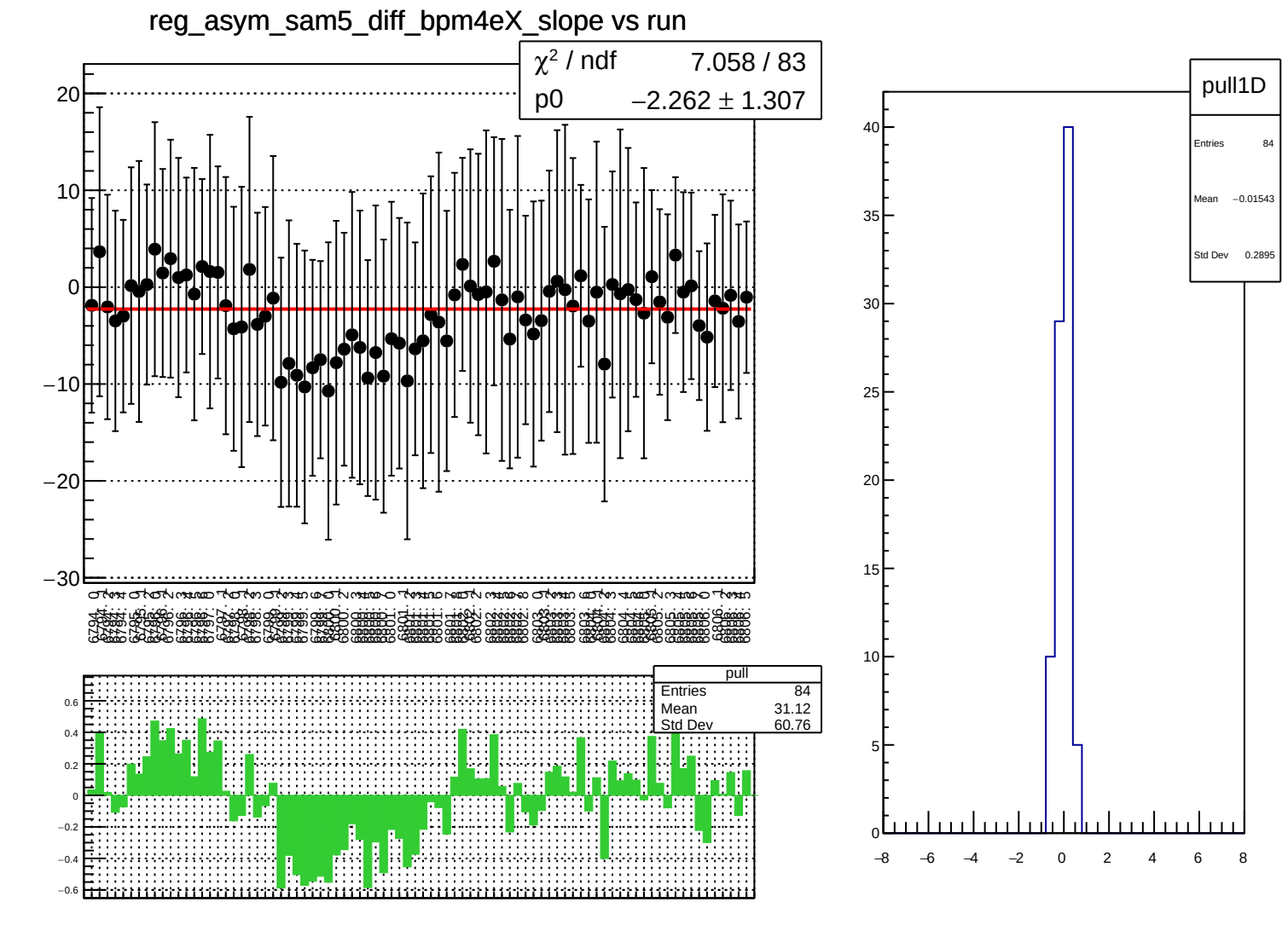

pull1D
Entries 84
Mean −0.02575
Std Dev 0.4955

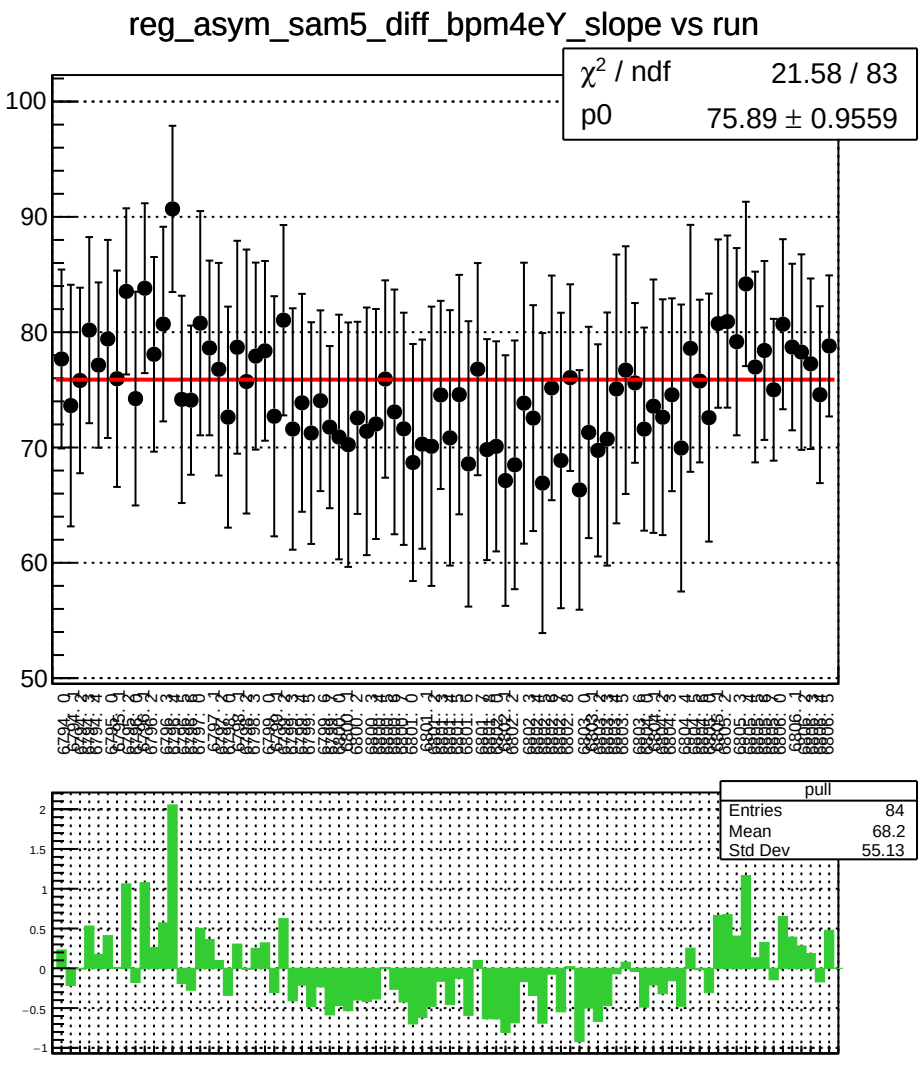

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 28.03 / 83
p0 −0.2278 ± 0.1017
pull
Entries 84
Mean −195.9
Std Dev 269.2
pull1D
Entries 84
Mean 0.01463
Std Dev 0.5775

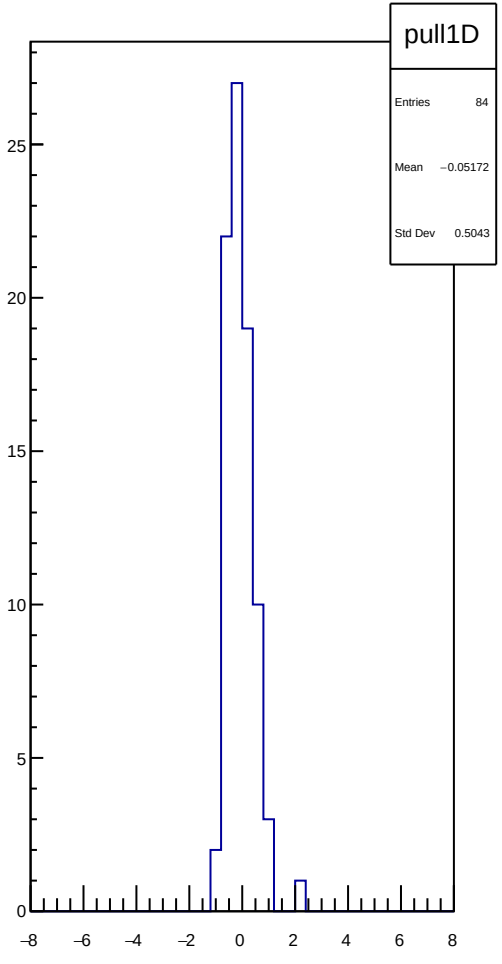

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 6.458 / 83
p0 13.22 ± 1.395
pull
Entries 84
Mean 23.86
Std Dev 56.54

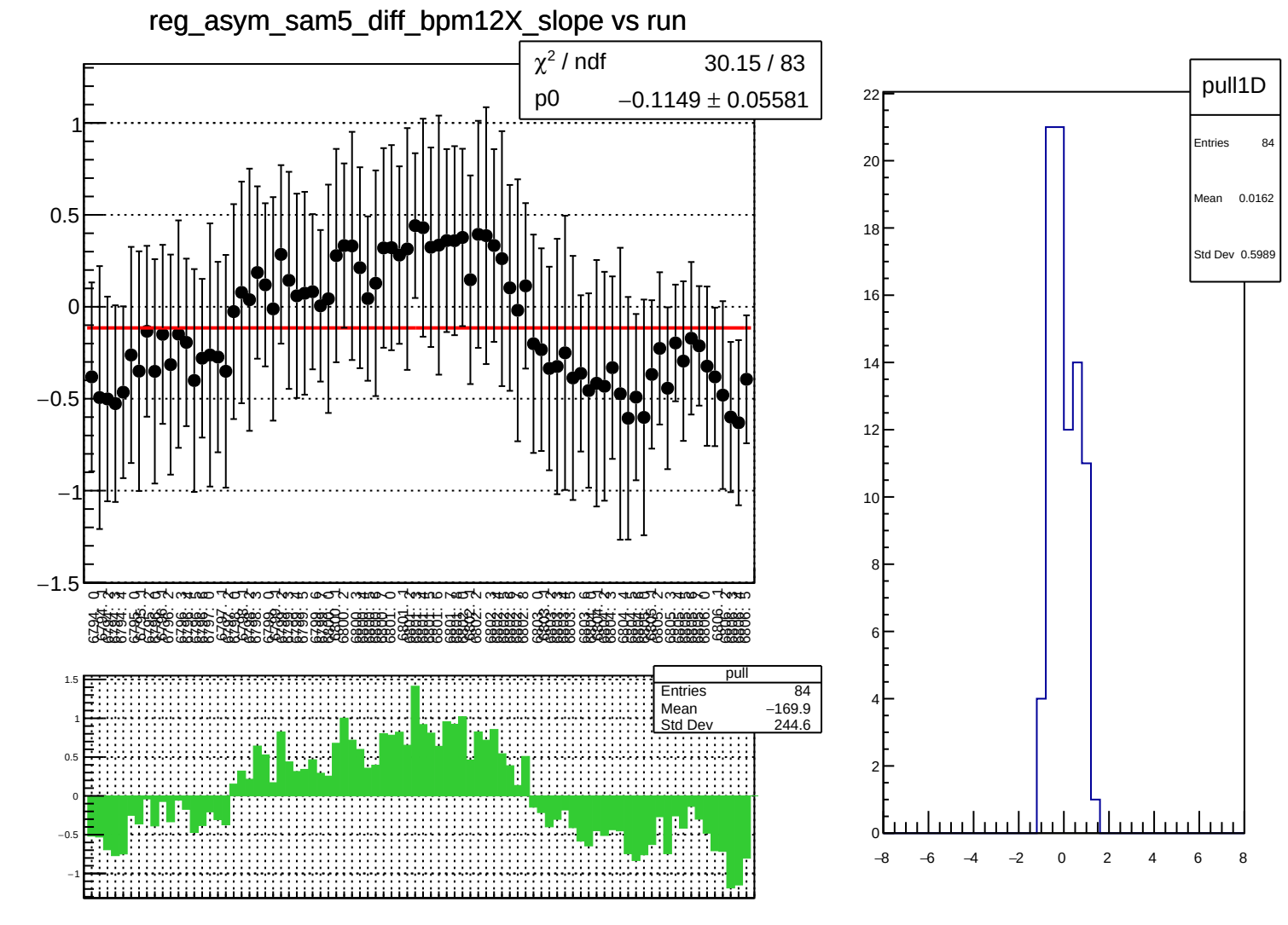

pull1D
Entries 84
Mean 0.01592
Std Dev 0.2768

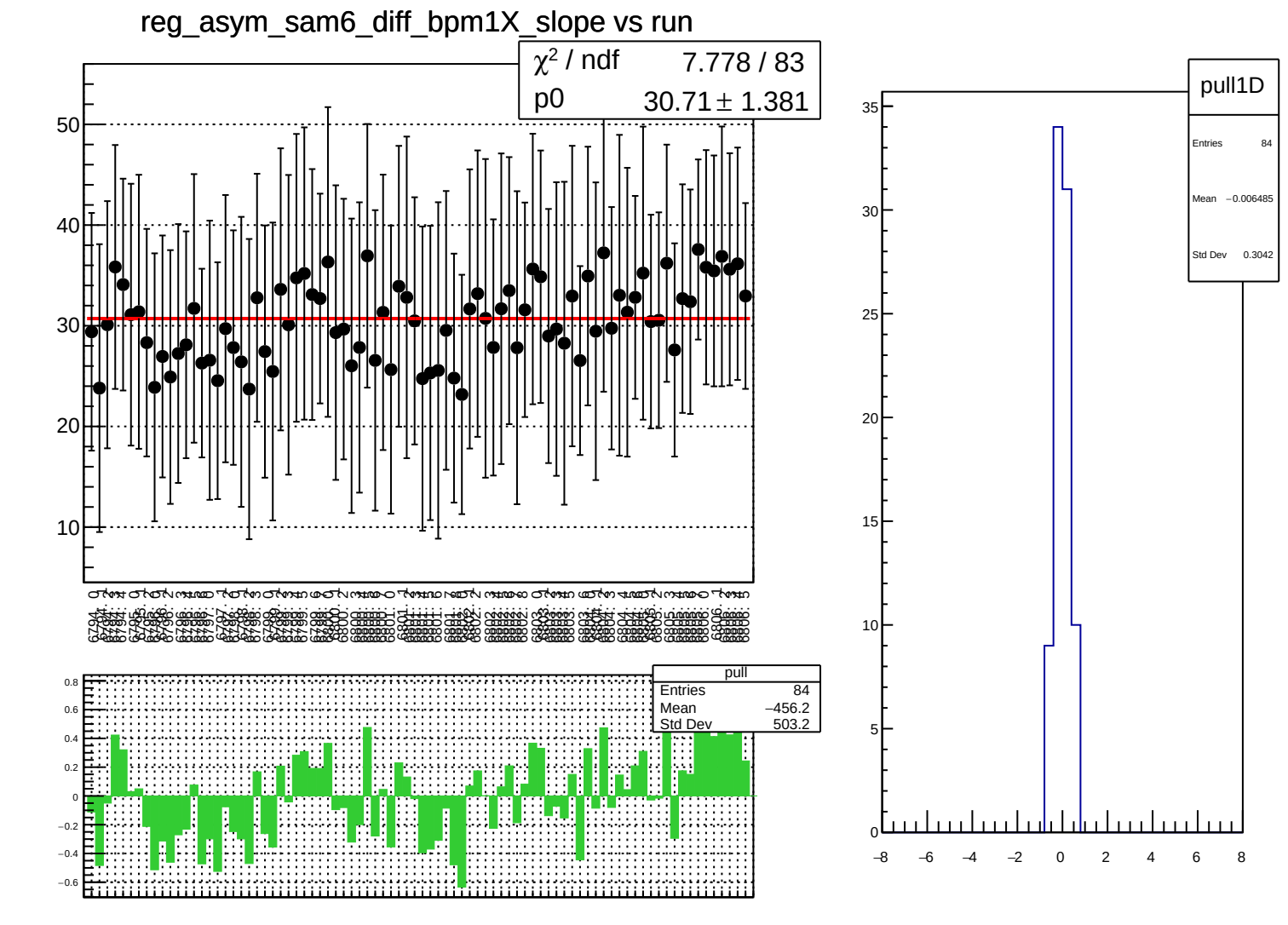

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 18.18 / 83
p0 58.2 ± 0.6928
pull
Entries 84
Mean 156.5
Std Dev 126.1
pull1D
Entries 84
Mean 0.03069
Std Dev 0.4642

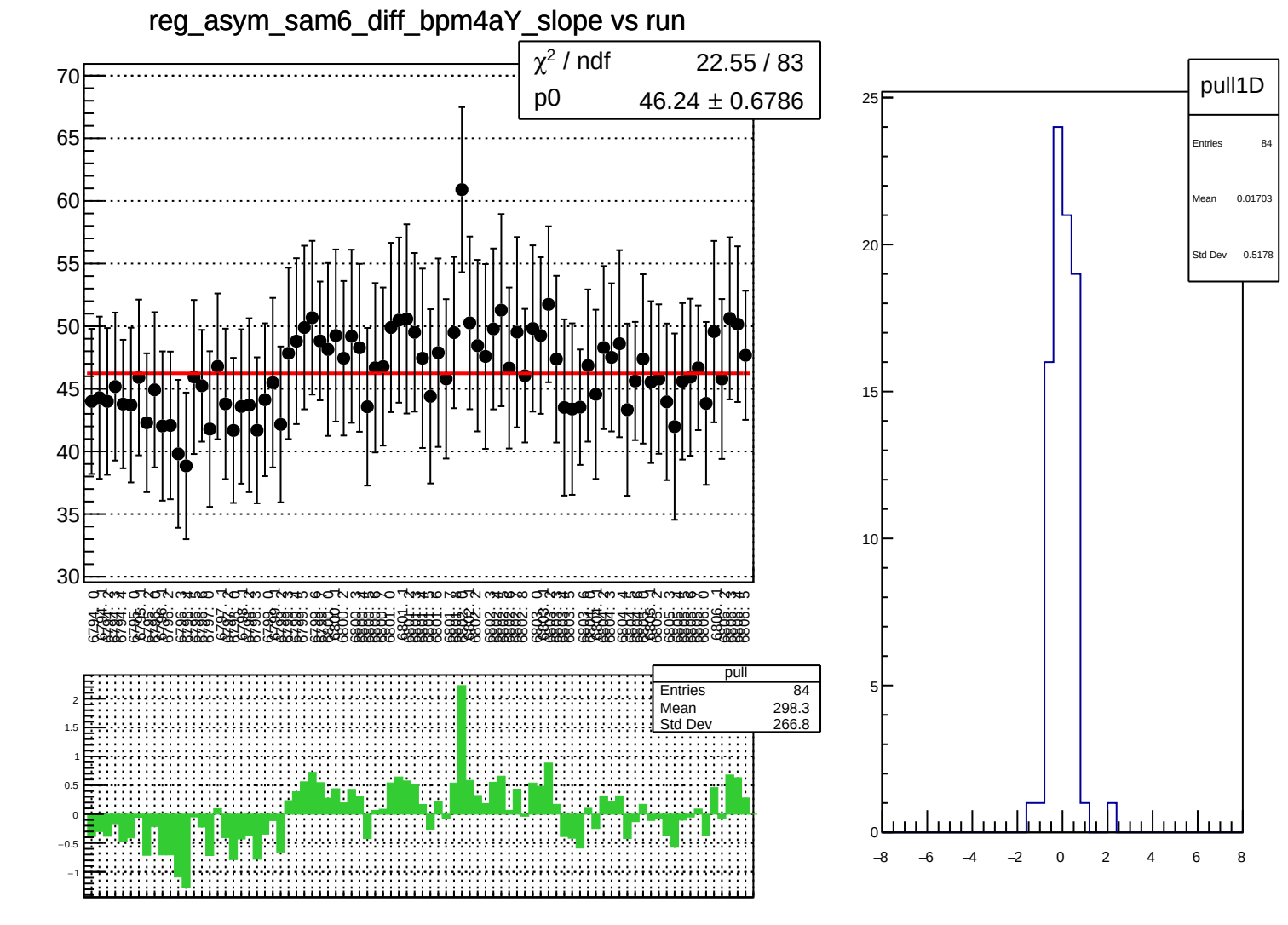

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 7.058 / 83
p0 −2.262 ± 1.307
pull
Entries 84
Mean 31.12
Std Dev 60.76
pull1D
Entries 84
Mean −0.01543
Std Dev 0.2895

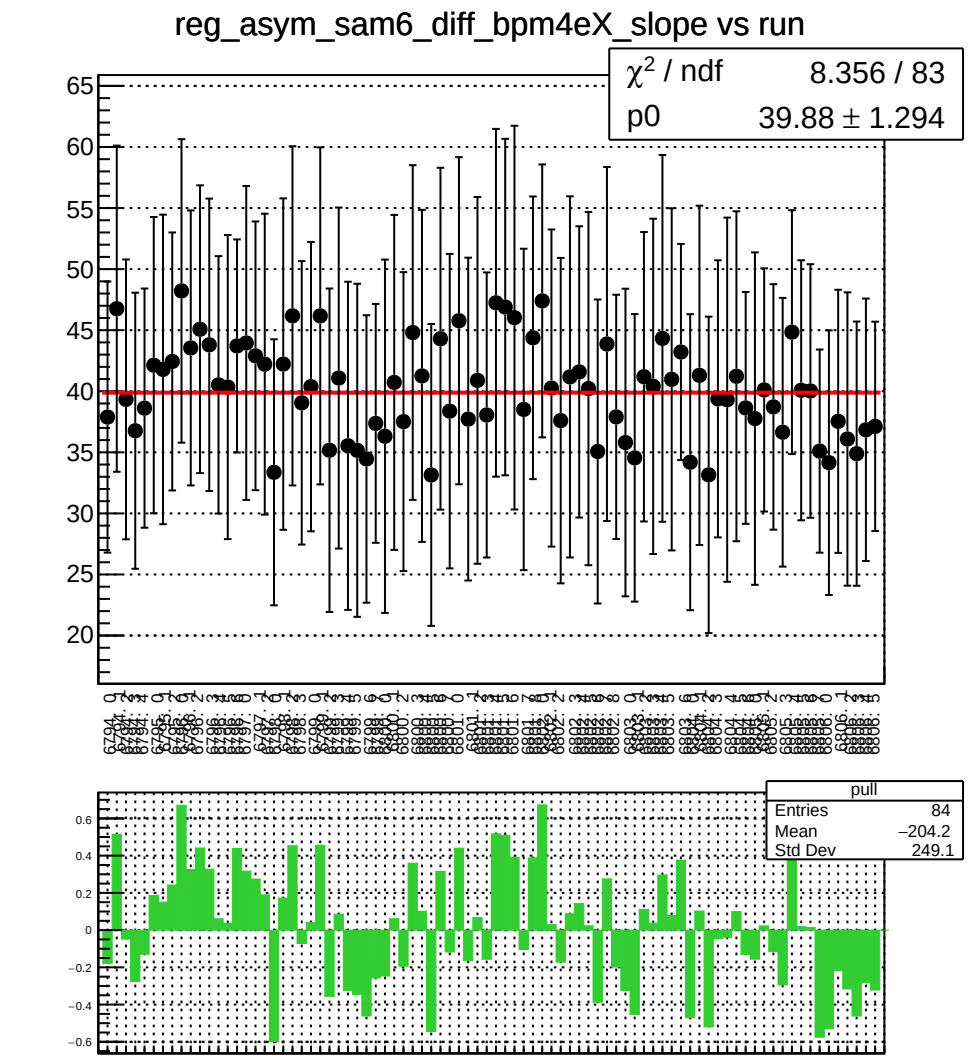

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 21.58 / 83
p0 75.89 ± 0.9559
pull
Entries 84
Mean 68.2
Std Dev 55.13

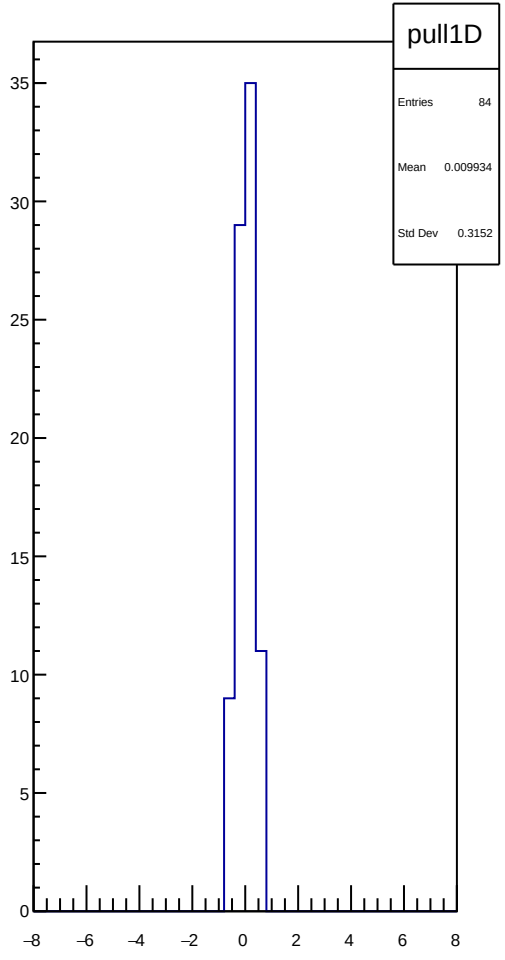

pull1D
Entries 84
Mean −0.05172
Std Dev 0.5043

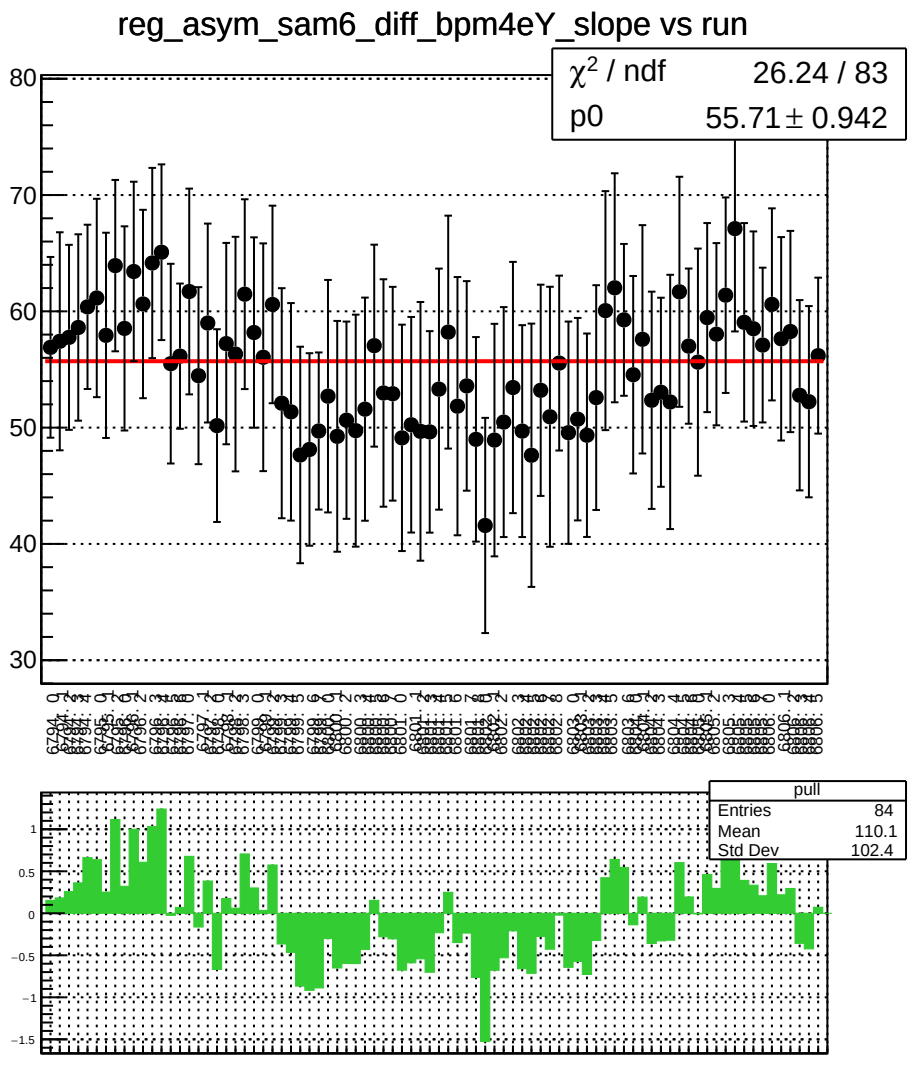

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 30.15 / 83
p0 −0.1149 ± 0.05581
pull
Entries 84
Mean −169.9
Std Dev 244.6
pull1D
Entries 84
Mean 0.0162
Std Dev 0.5989

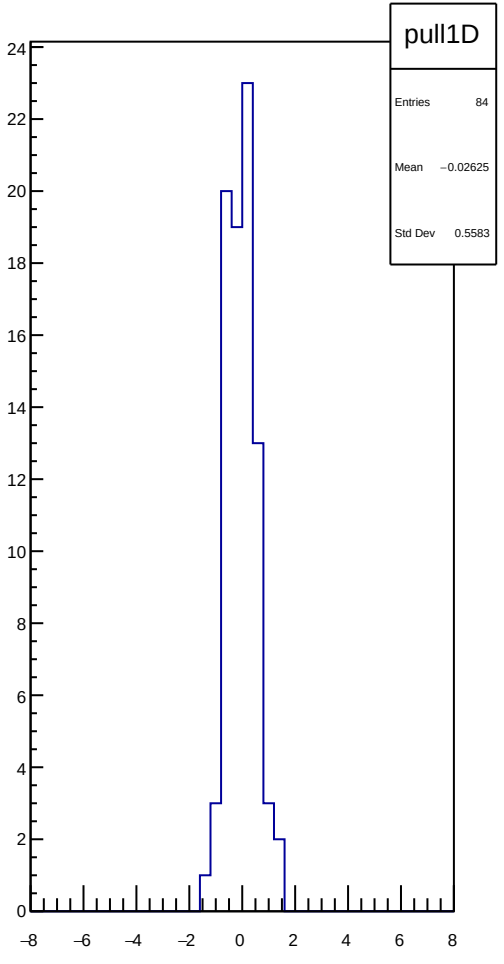

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 7.778 / 83
p0 30.71 ± 1.381
pull
Entries 84
Mean −456.2
Std Dev 503.2
pull1D
Entries 84
Mean −0.006485
Std Dev 0.3042

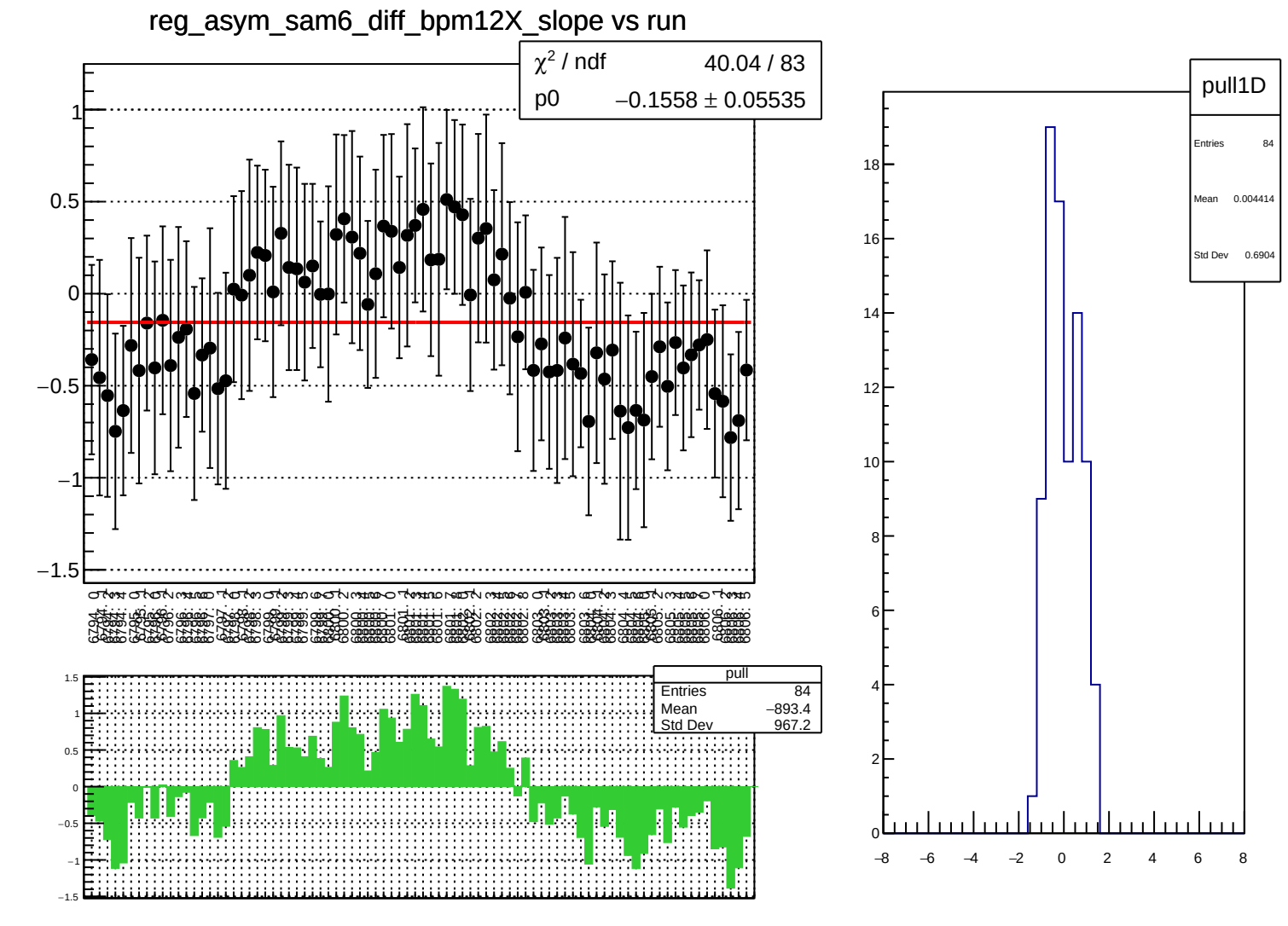

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 22.55 / 83
p0 46.24 ± 0.6786
pull
Entries 84
Mean 298.3
Std Dev 266.8
pull1D
Entries 84
Mean 0.01703
Std Dev 0.5178

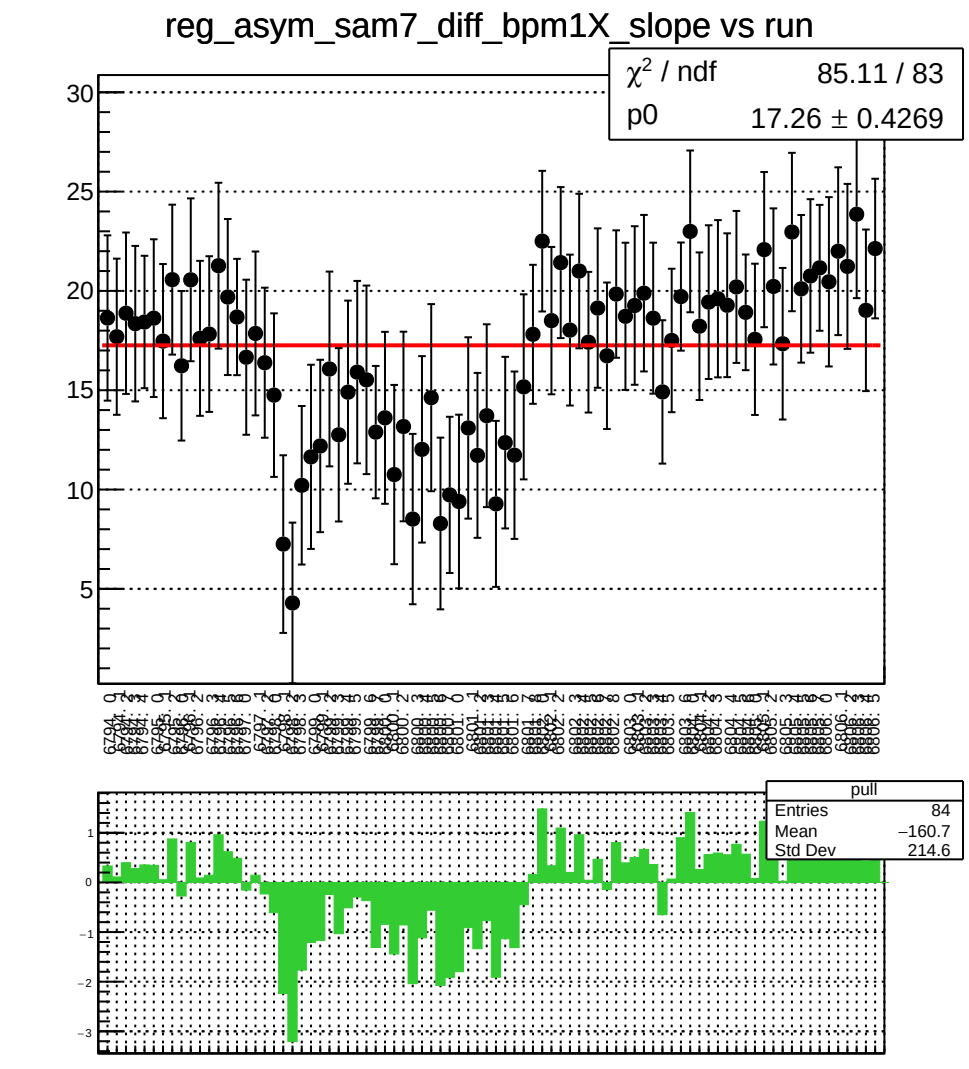

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 8.356 / 83
p0 39.88 ± 1.294
pull
Entries 84
Mean −204.2
Std Dev 249.1

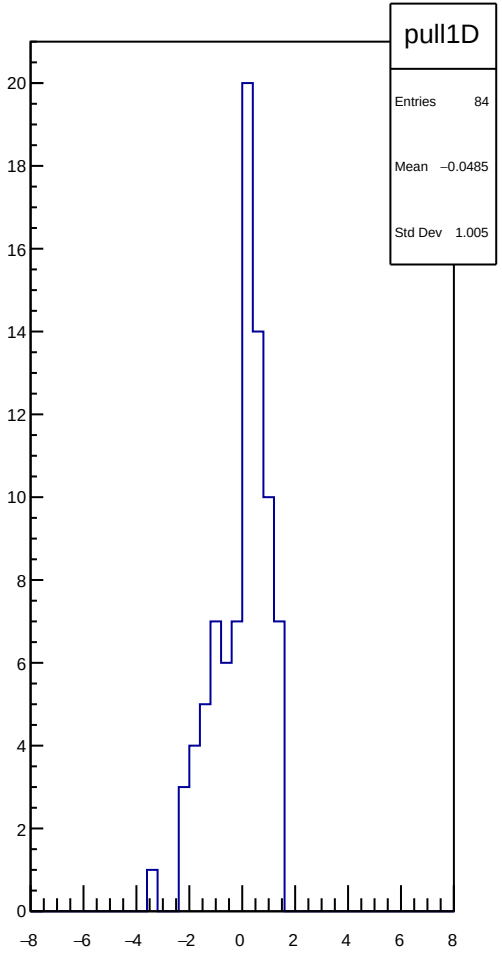

pull1D
Entries 84
Mean 0.009934
Std Dev 0.3152

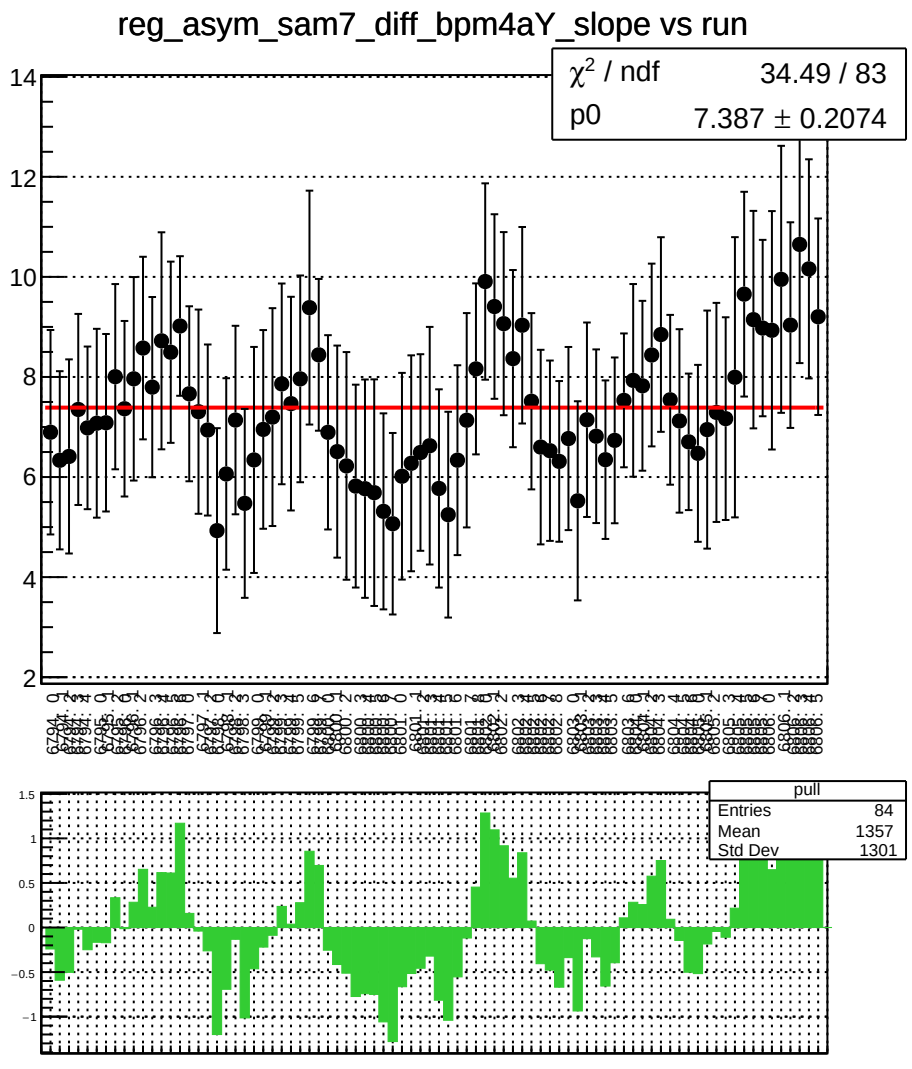

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 26.24 / 83
p0 55.71 ± 0.942
pull
Entries 84
Mean 110.1
Std Dev 102.4

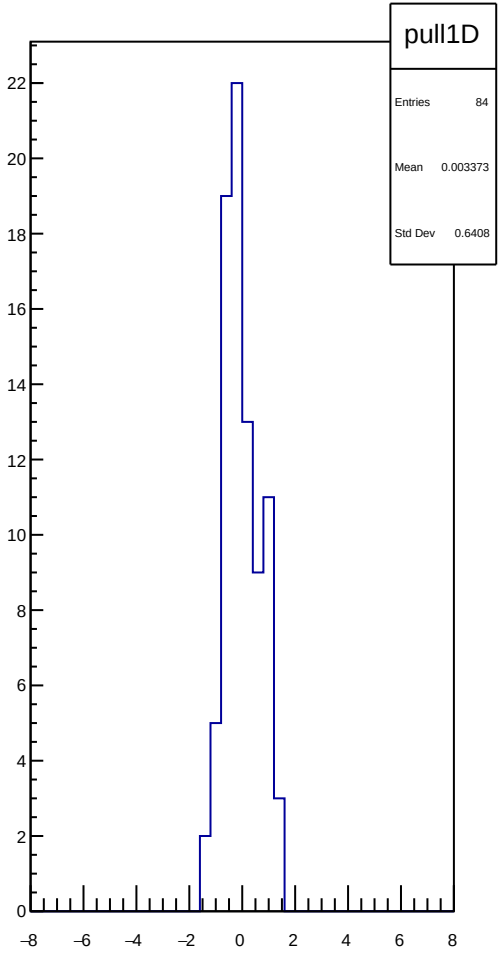

pull1D
Entries 84
Mean −0.02625
Std Dev 0.5583

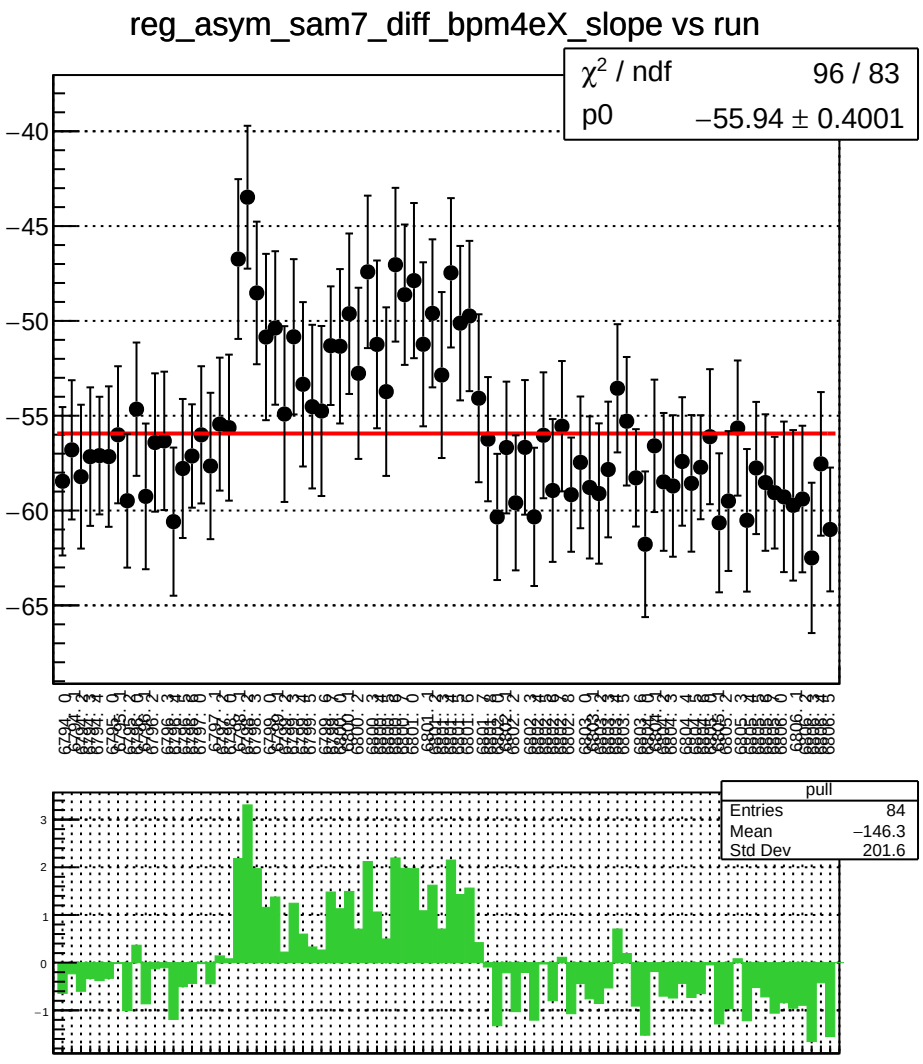

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 40.04 / 83
p0 −0.1558 ± 0.05535
pull
Entries 84
Mean −893.4
Std Dev 967.2
pull1D
Entries 84
Mean 0.004414
Std Dev 0.6904

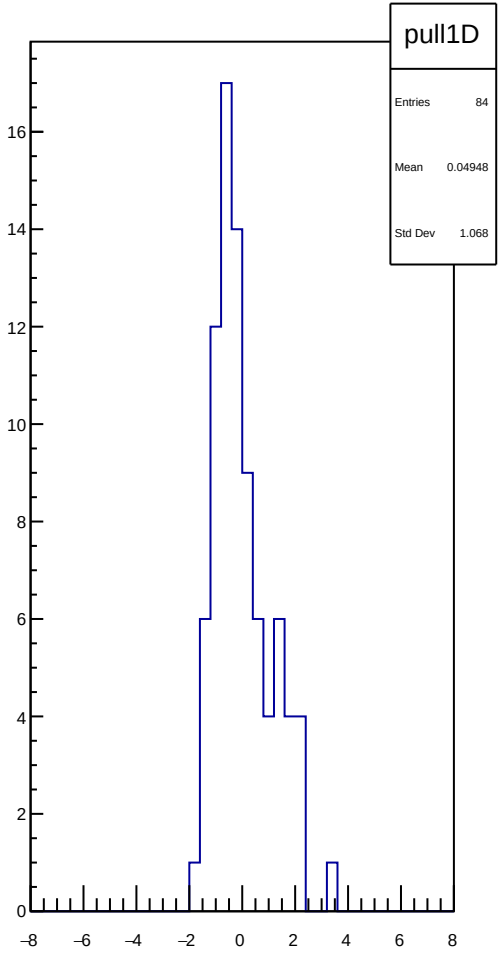

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 85.11 / 83
p0 17.26 ± 0.4269
pull
Entries 84
Mean −160.7
Std Dev 214.6

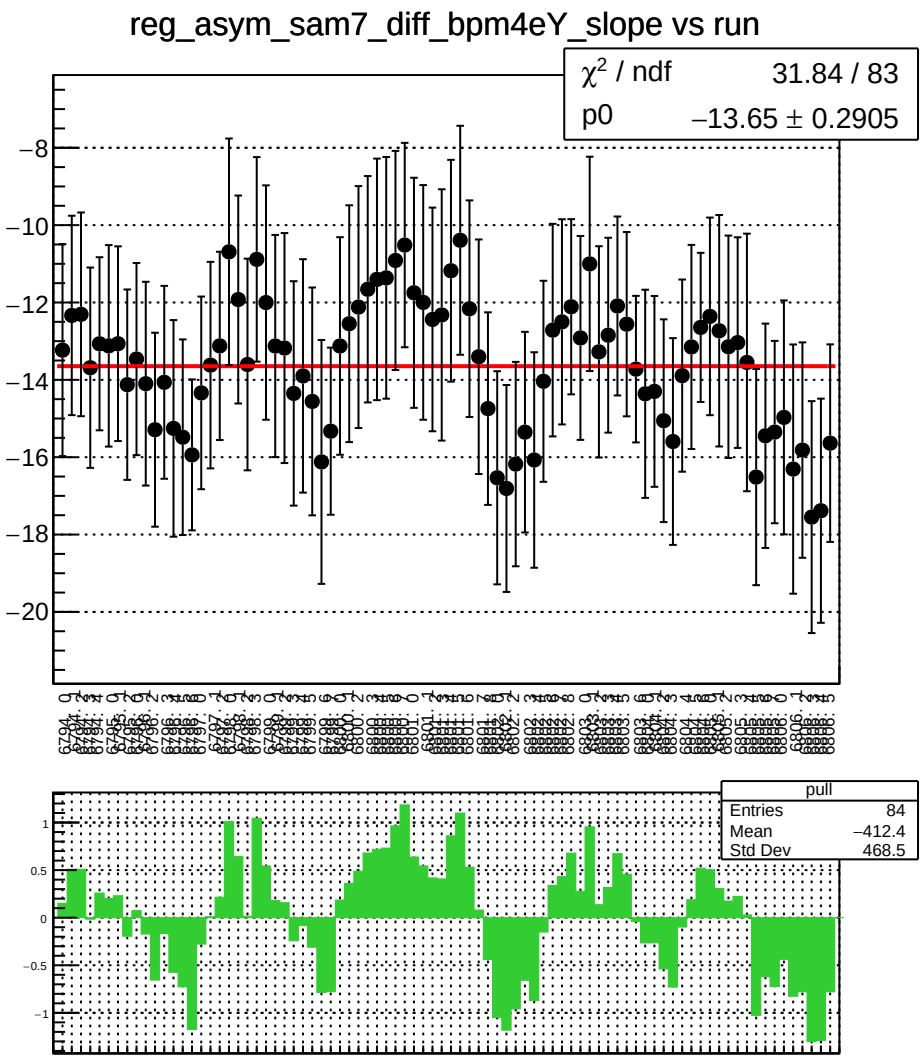

pull1D
Entries 84
Mean −0.0485
Std Dev 1.005

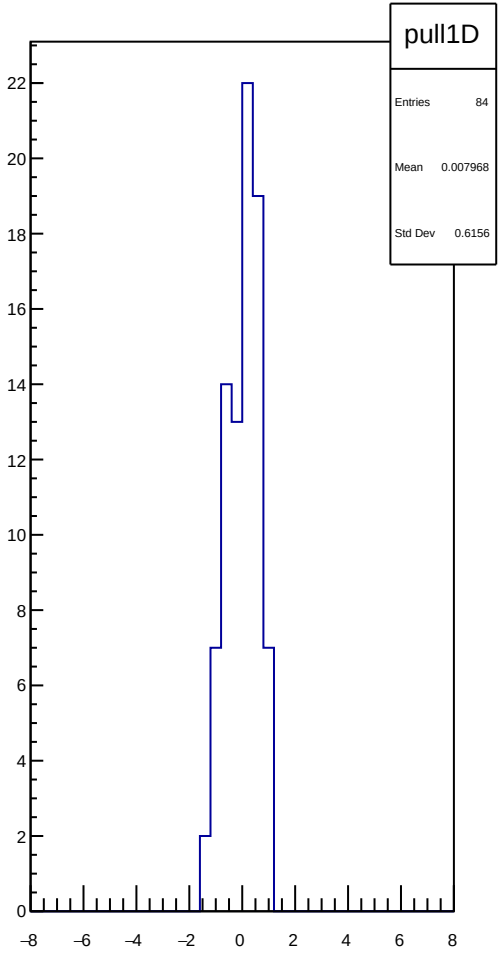

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 34.49 / 83
p0 7.387 ± 0.2074
pull
Entries 84
Mean 1357
Std Dev 1301

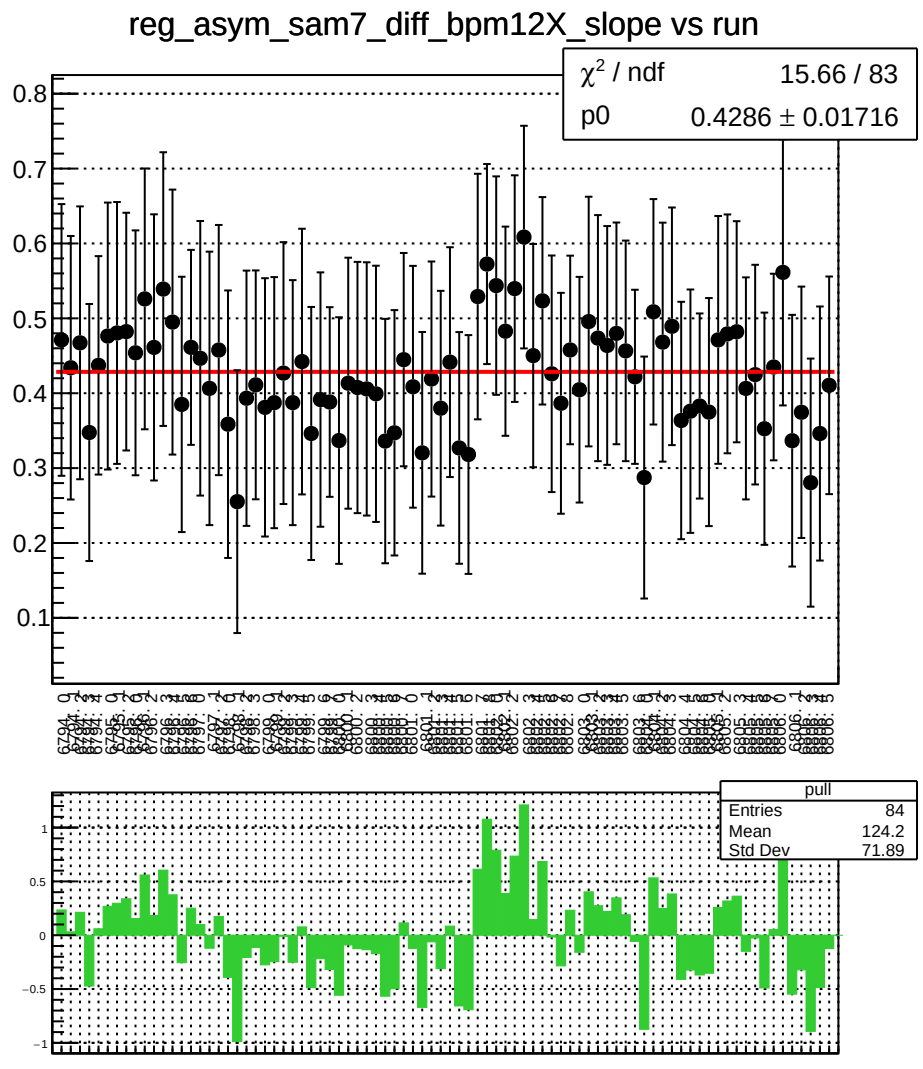

pull1D
Entries 84
Mean 0.003373
Std Dev 0.6408

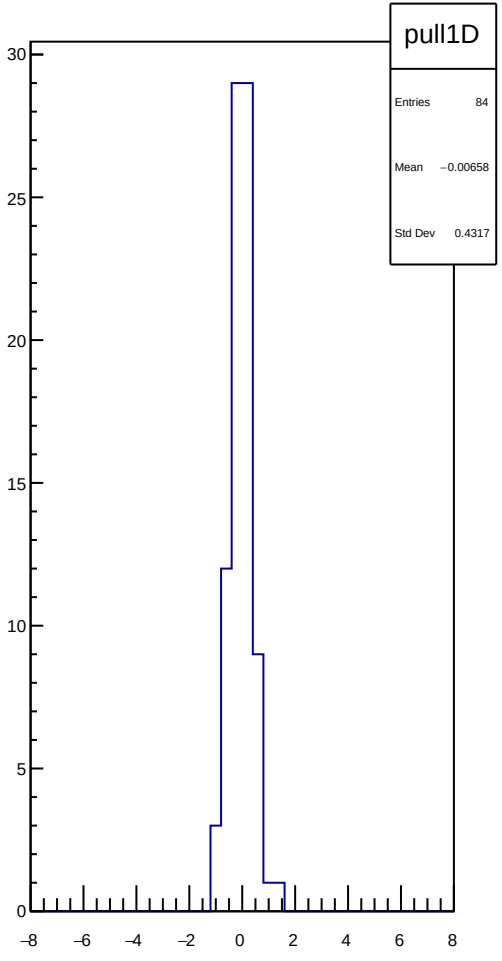

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 96 / 83
p0 −55.94 ± 0.4001
pull
Entries 84
Mean −146.3
Std Dev 201.6

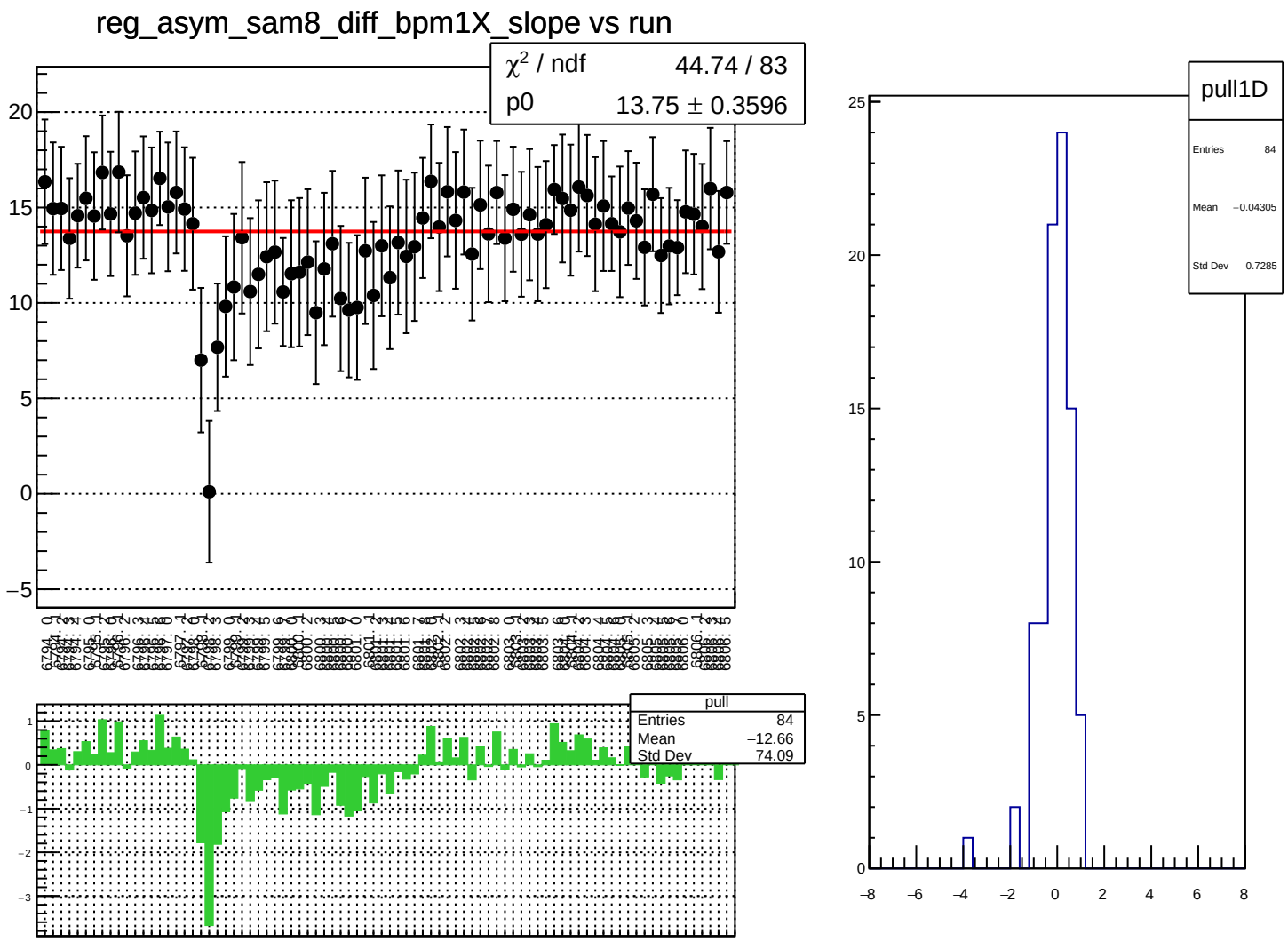

pull1D
Entries 84
Mean 0.04948
Std Dev 1.068

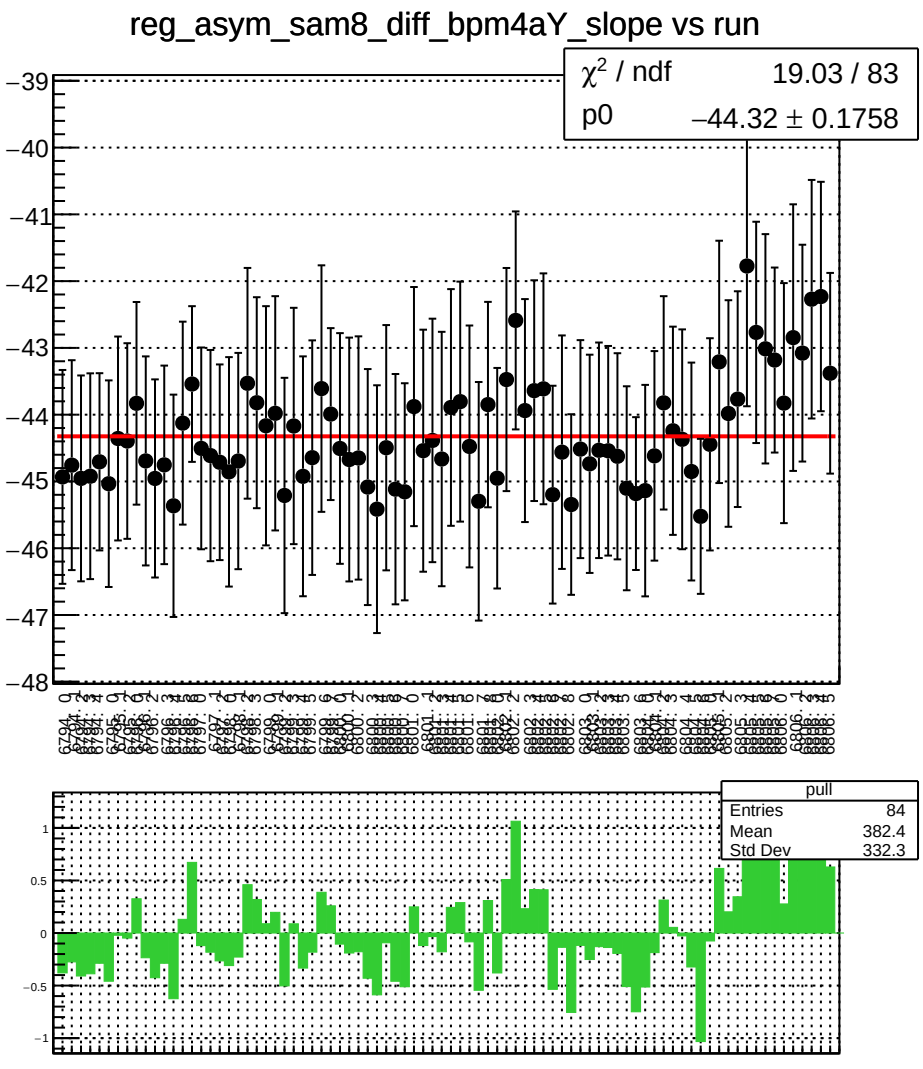

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 31.84 / 83
p0 −13.65 ± 0.2905
pull
Entries 84
Mean −412.4
Std Dev 468.5

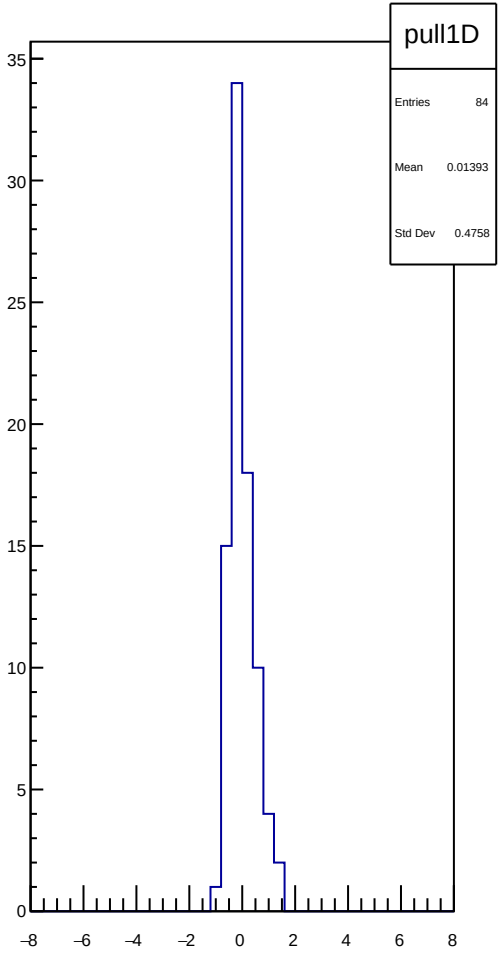

pull1D
Entries 84
Mean 0.007968
Std Dev 0.6156

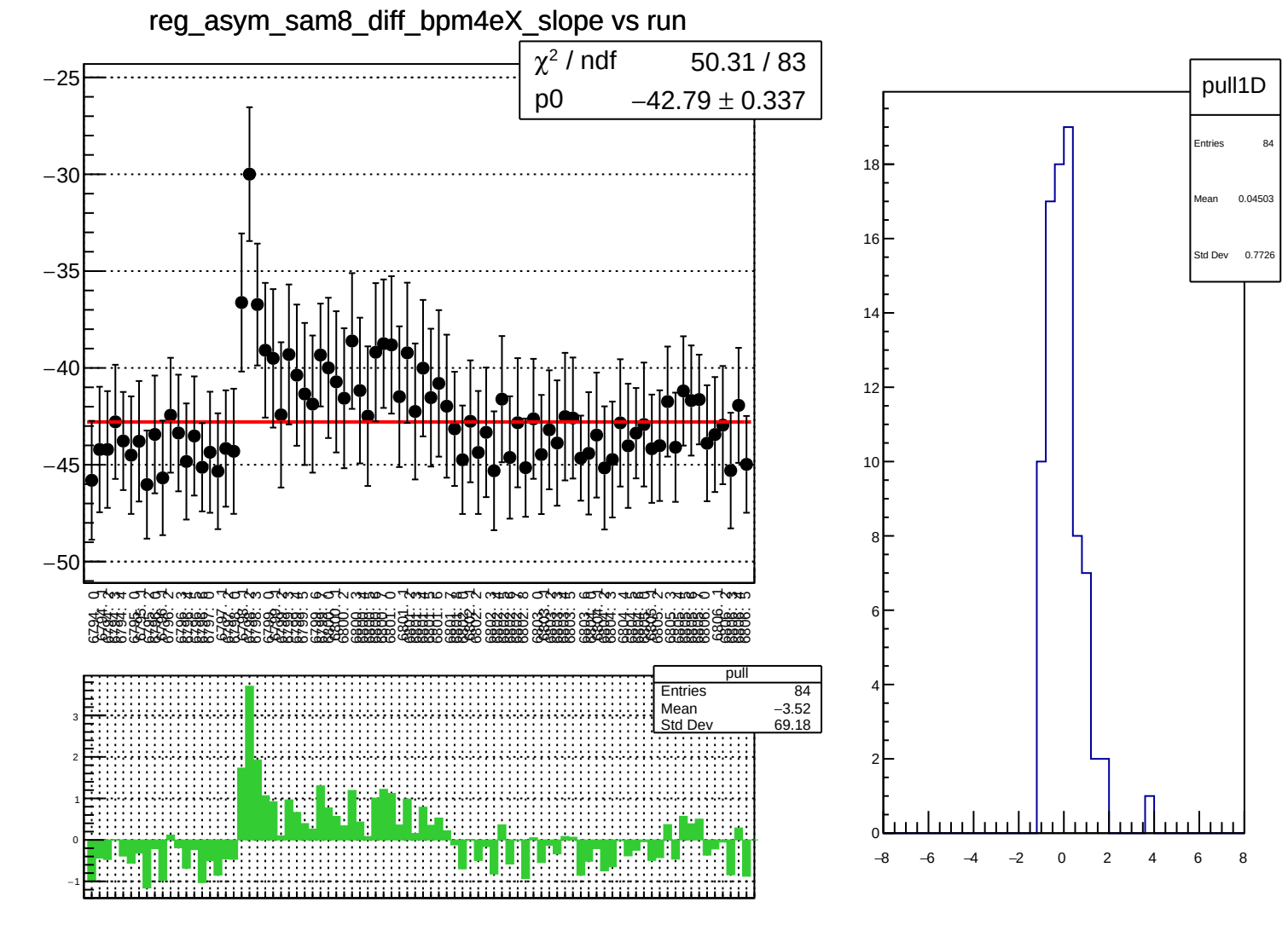

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 15.66 / 83
p0 0.4286 ± 0.01716
pull
Entries 84
Mean 124.2
Std Dev 71.89

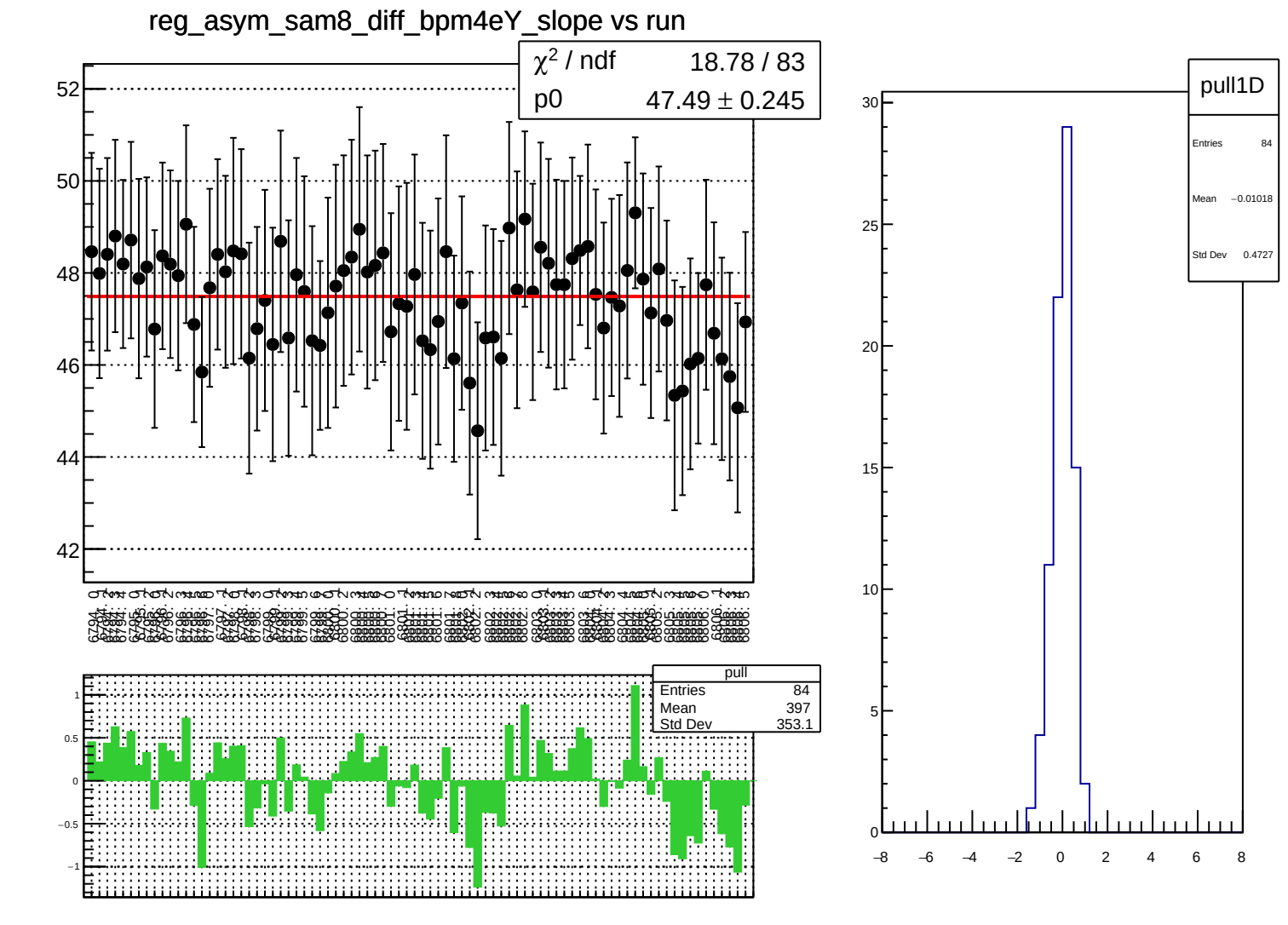

pull1D
Entries 84
Mean −0.00658
Std Dev 0.4317

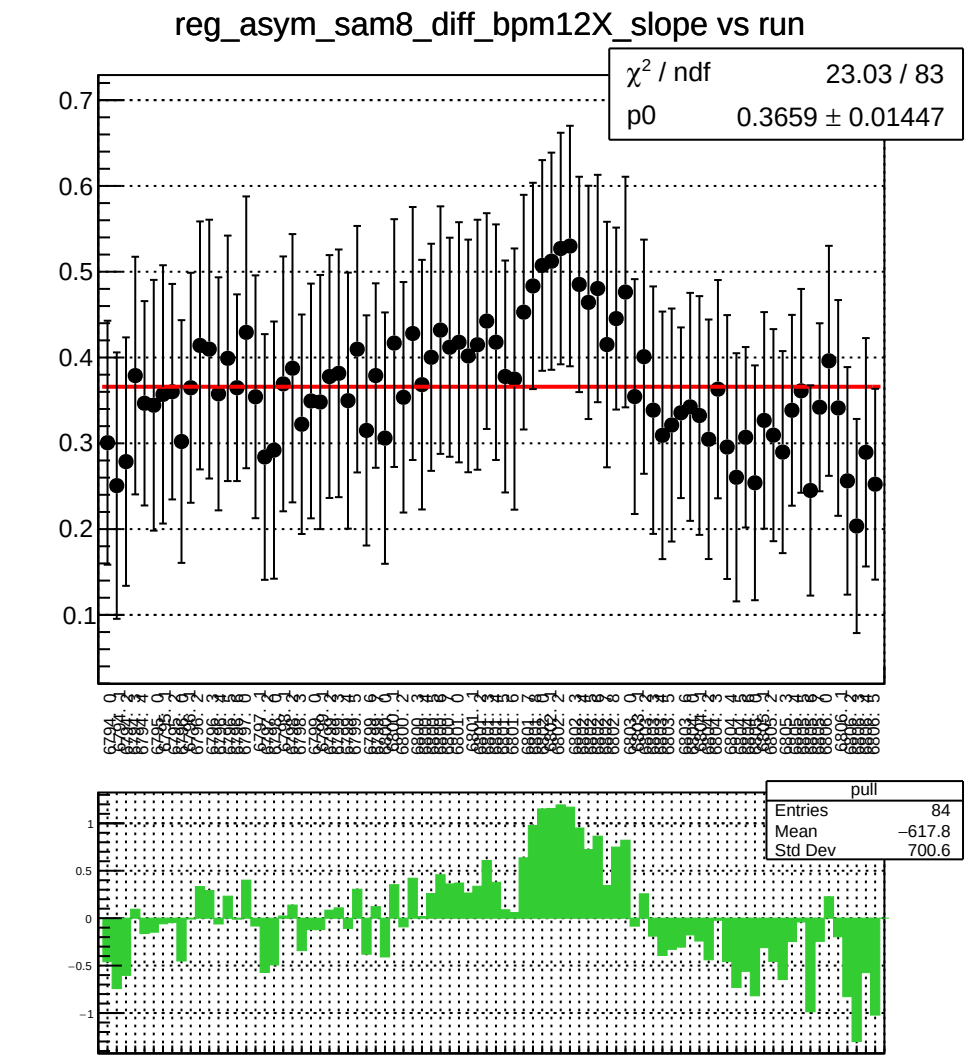

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 44.74 / 83
p0 13.75 ± 0.3596
pull
Entries 84
Mean −12.66
Std Dev 74.09
pull1D
Entries 84
Mean −0.04305
Std Dev 0.7285

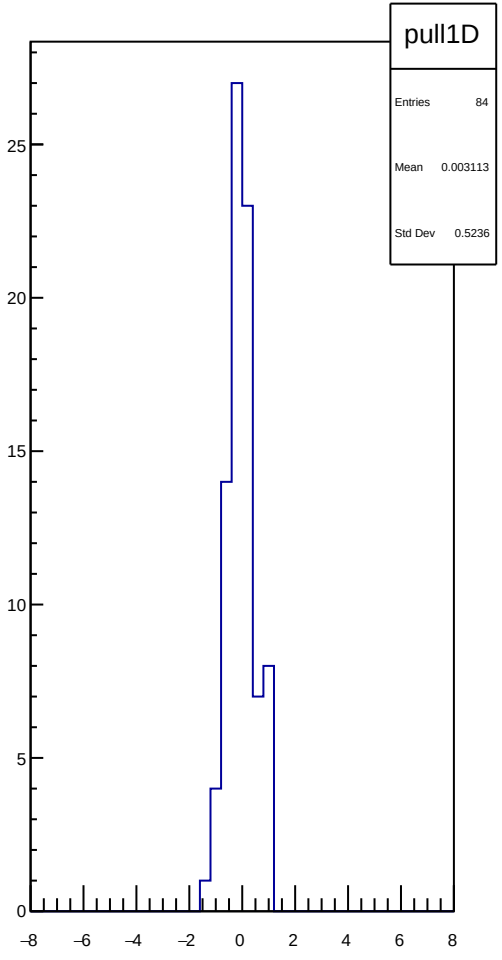

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 19.03 / 83
p0 −44.32 ± 0.1758
pull
Entries 84
Mean 382.4
Std Dev 332.3

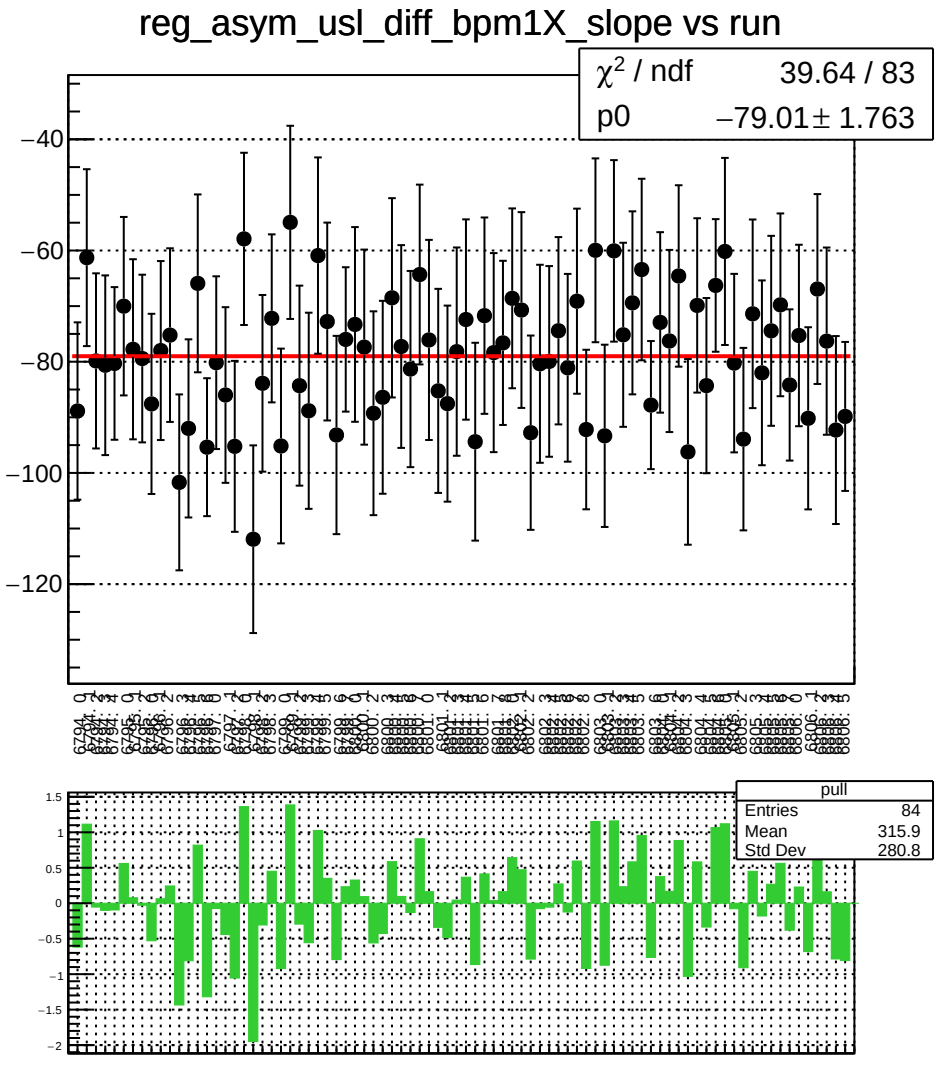

pull1D
Entries 84
Mean 0.01393
Std Dev 0.4758

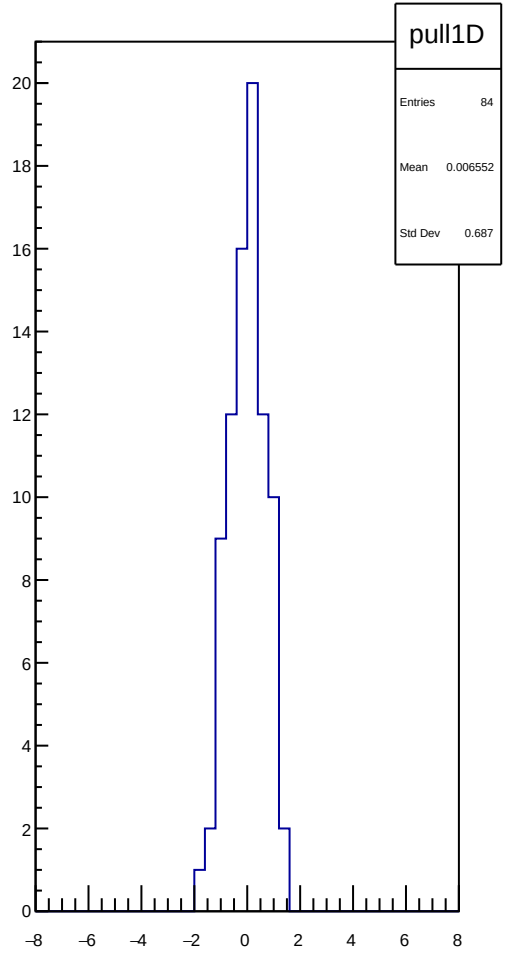

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 50.31 / 83
p0 −42.79 ± 0.337
pull
Entries 84
Mean −3.52
Std Dev 69.18
pull1D
Entries 84
Mean 0.04503
Std Dev 0.7726

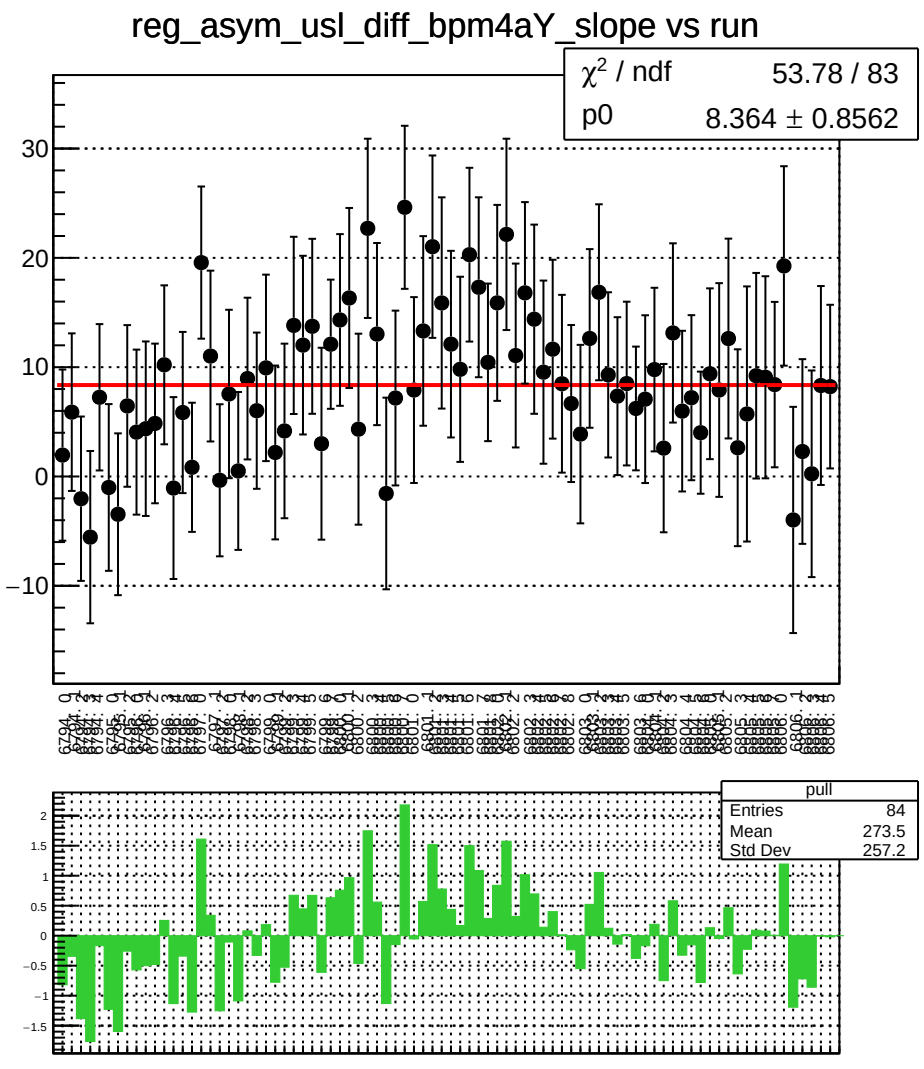

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 18.78 / 83
p0 47.49 ± 0.245
52
50
48
46
44
42
pull
Entries 84
Mean 397
Std Dev 353.1
1
0.5
0
−0.5
−1
pull1D
Entries 84
Mean −0.01018
Std Dev 0.4727
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

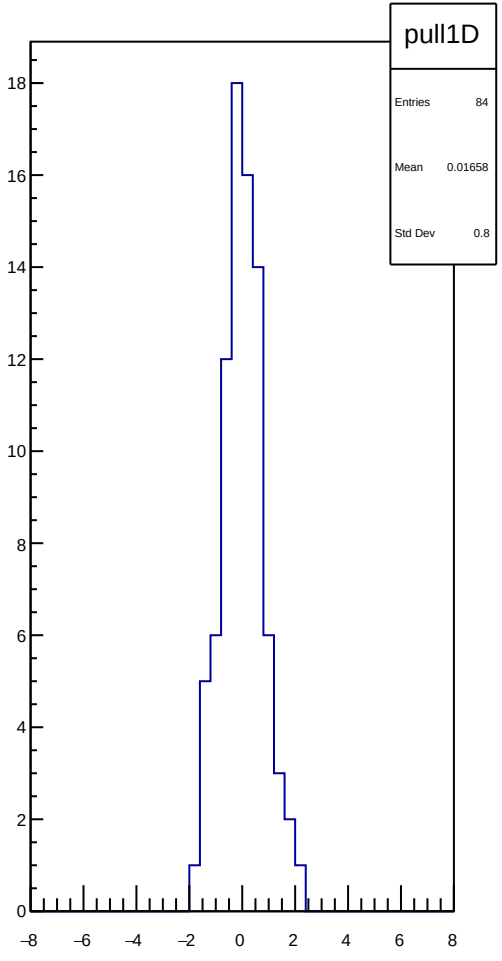

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 23.03 / 83
p0 0.3659 ± 0.01447
pull
Entries 84
Mean −617.8
Std Dev 700.6

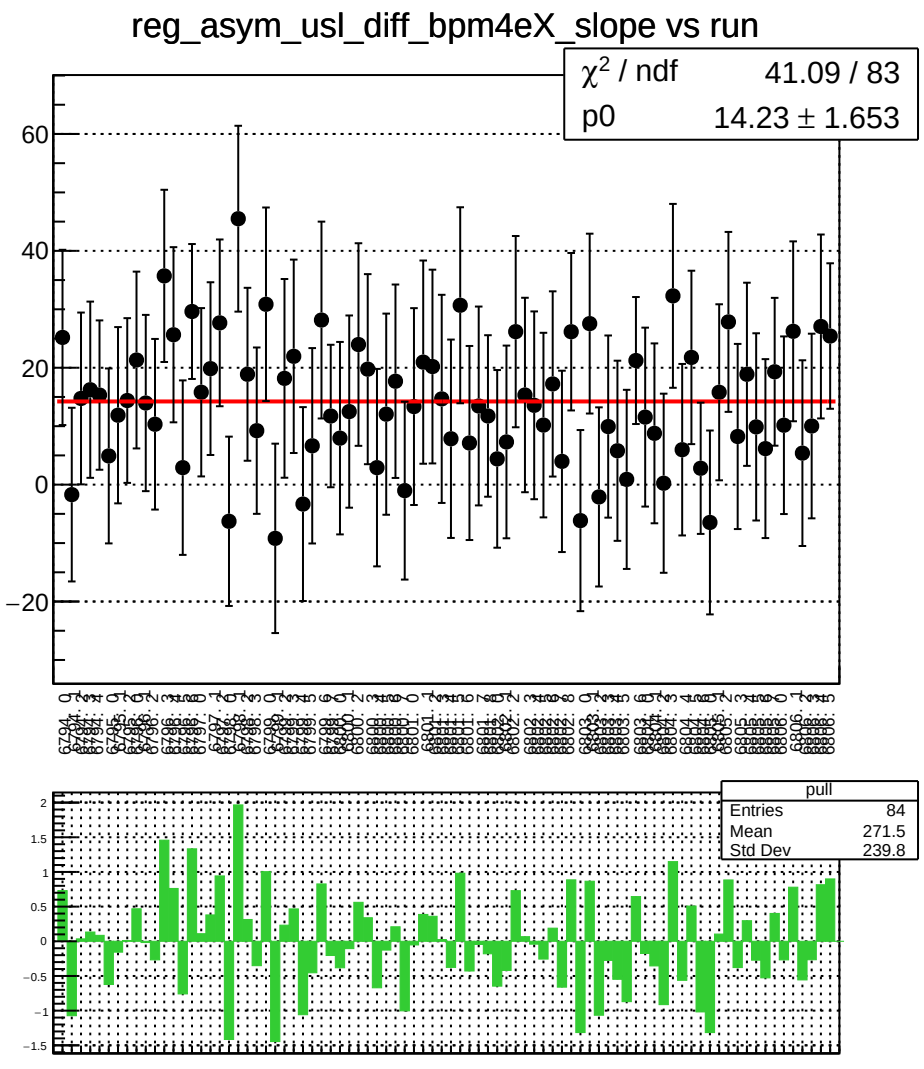

pull1D
Entries 84
Mean 0.003113
Std Dev 0.5236

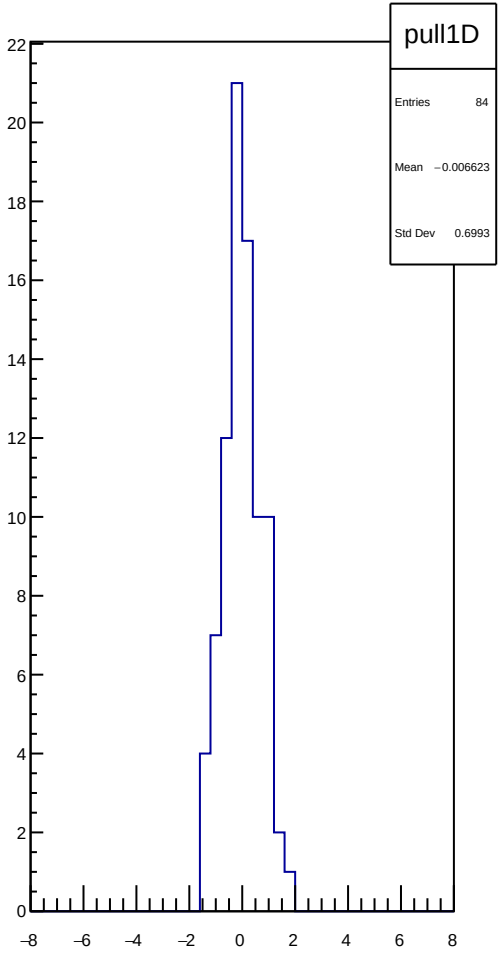

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 39.64 / 83
p0 −79.01± 1.763
−40
−60
−80
−100
−120
pull
Entries 84
Mean 315.9
Std Dev 280.8
1.5
1
0.5
0
−0.5
−1
−1.5
−2

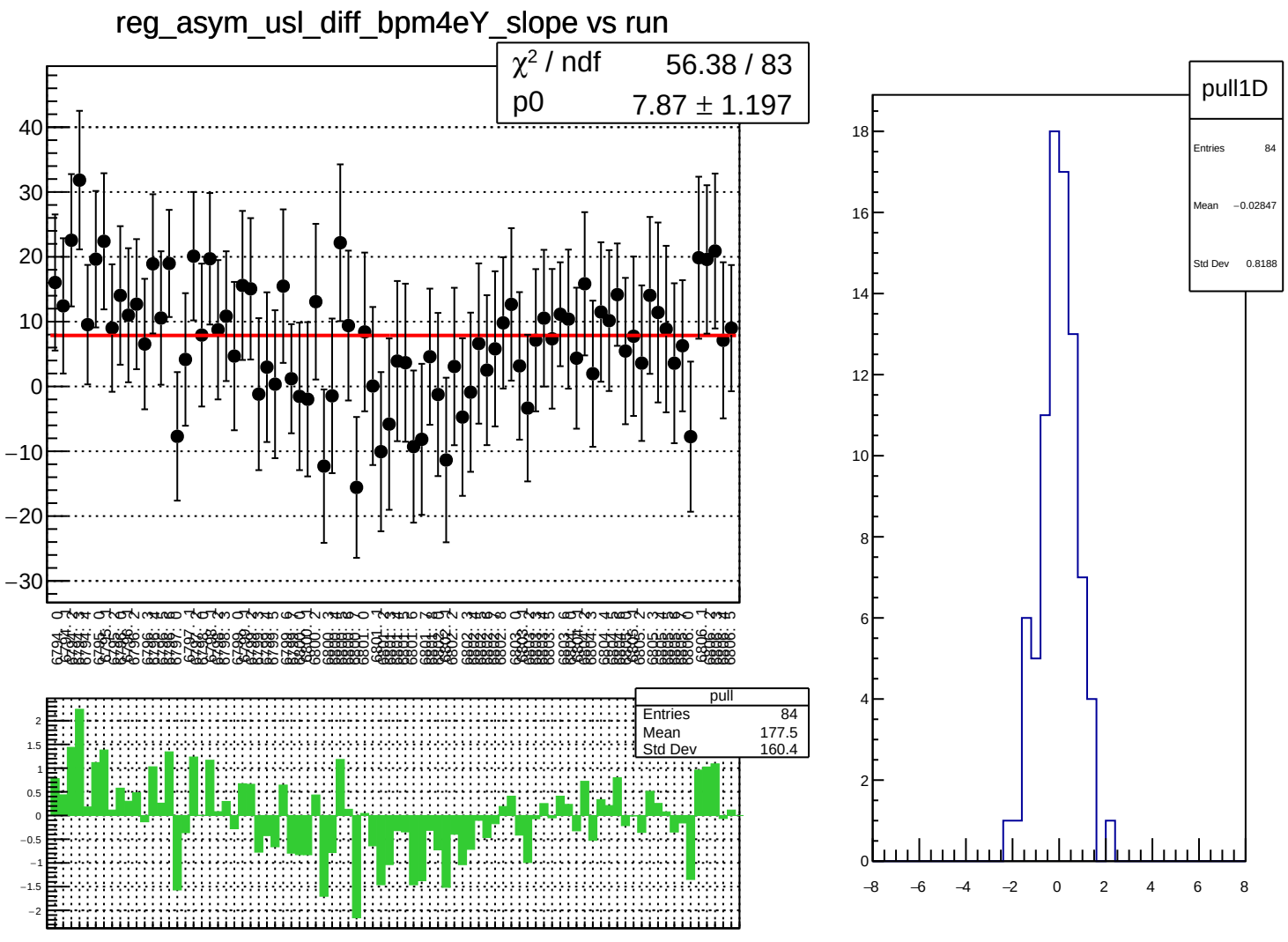

pull1D
Entries 84
Mean 0.006552
Std Dev 0.687
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

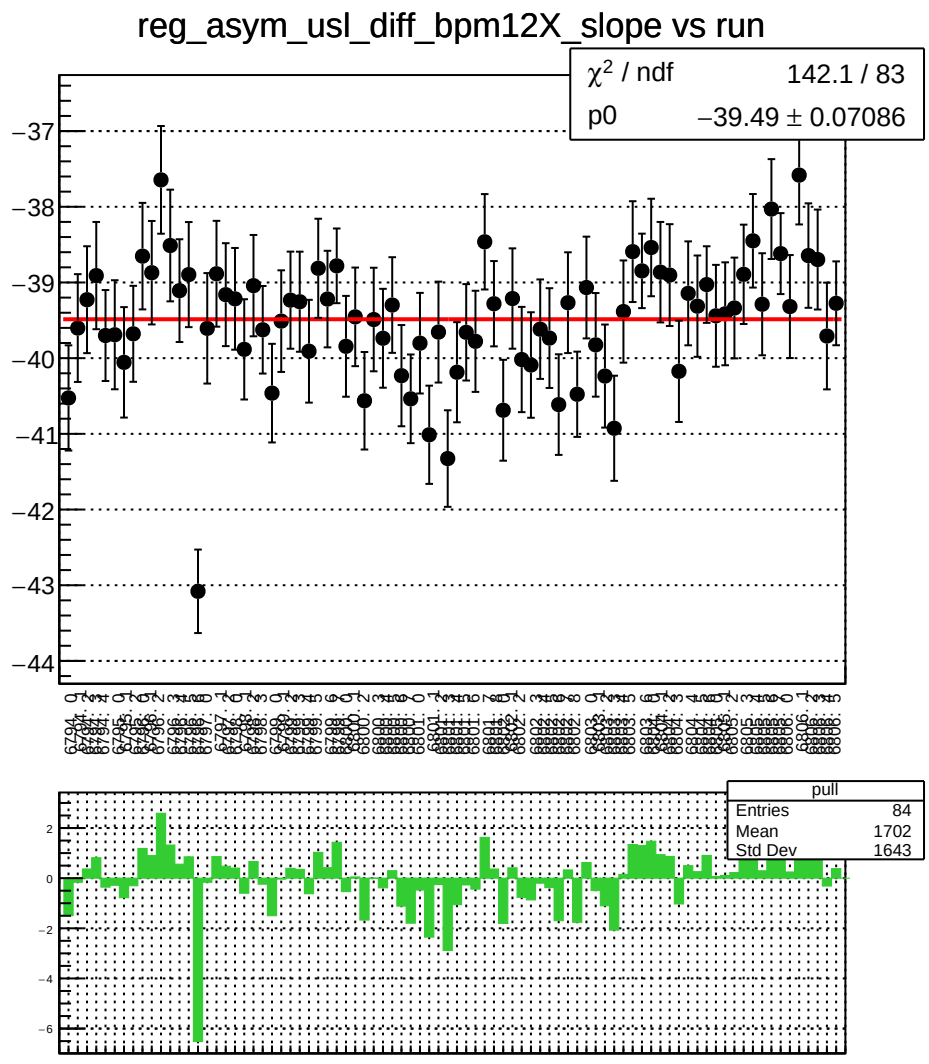

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 53.78 / 83
p0 8.364 ± 0.8562
pull
Entries 84
Mean 273.5
Std Dev 257.2

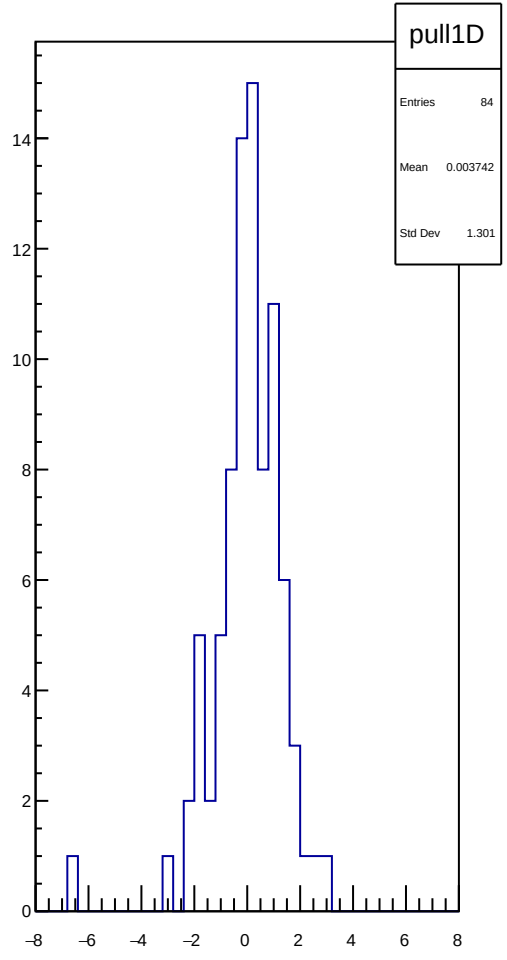

pull1D
Entries 84
Mean 0.01658
Std Dev 0.8

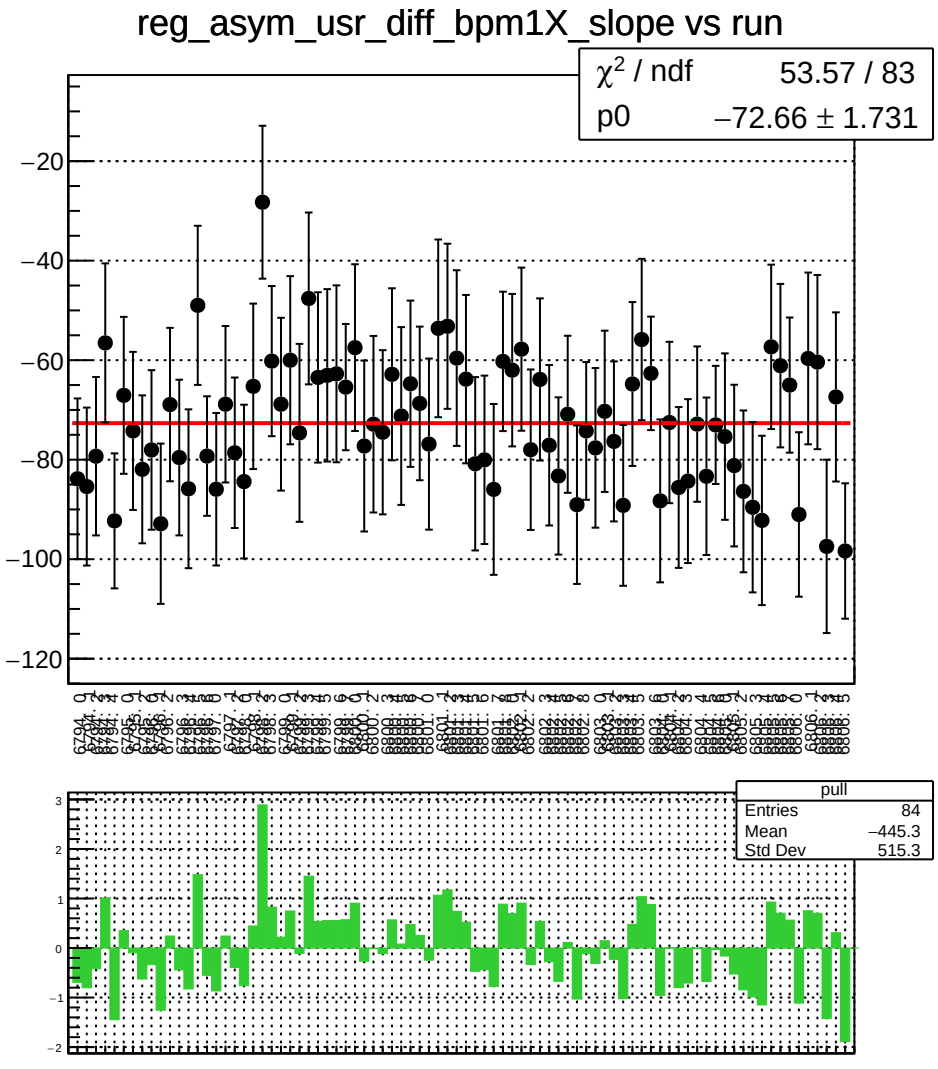

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 41.09 / 83
p0 14.23 ± 1.653
pull
Entries 84
Mean 271.5
Std Dev 239.8

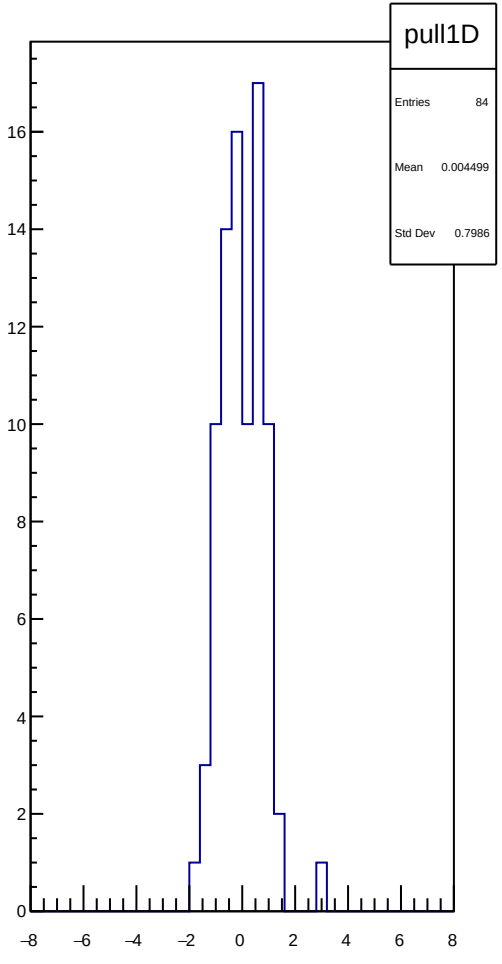

pull1D
Entries 84
Mean −0.006623
Std Dev 0.6993

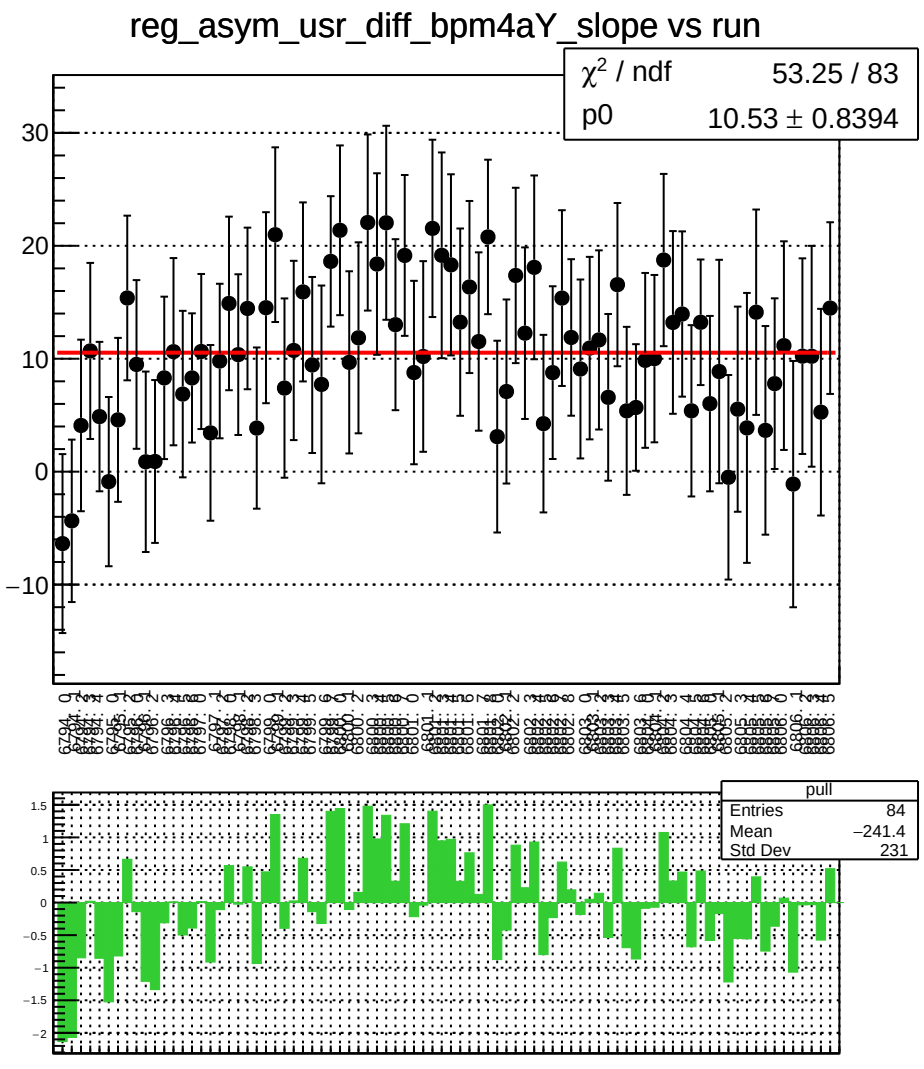

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 56.38 / 83
p0 7.87 ± 1.197
pull
Entries 84
Mean 177.5
Std Dev 160.4
pull1D
Entries 84
Mean −0.02847
Std Dev 0.8188

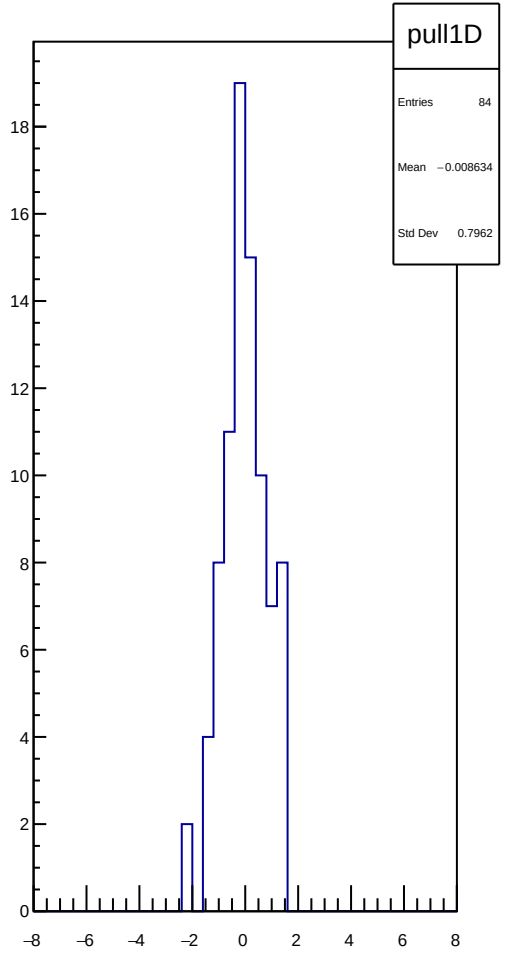

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 142.1 / 83
p0 −39.49 ± 0.07086
pull
Entries 84
Mean 1702
Std Dev 1643

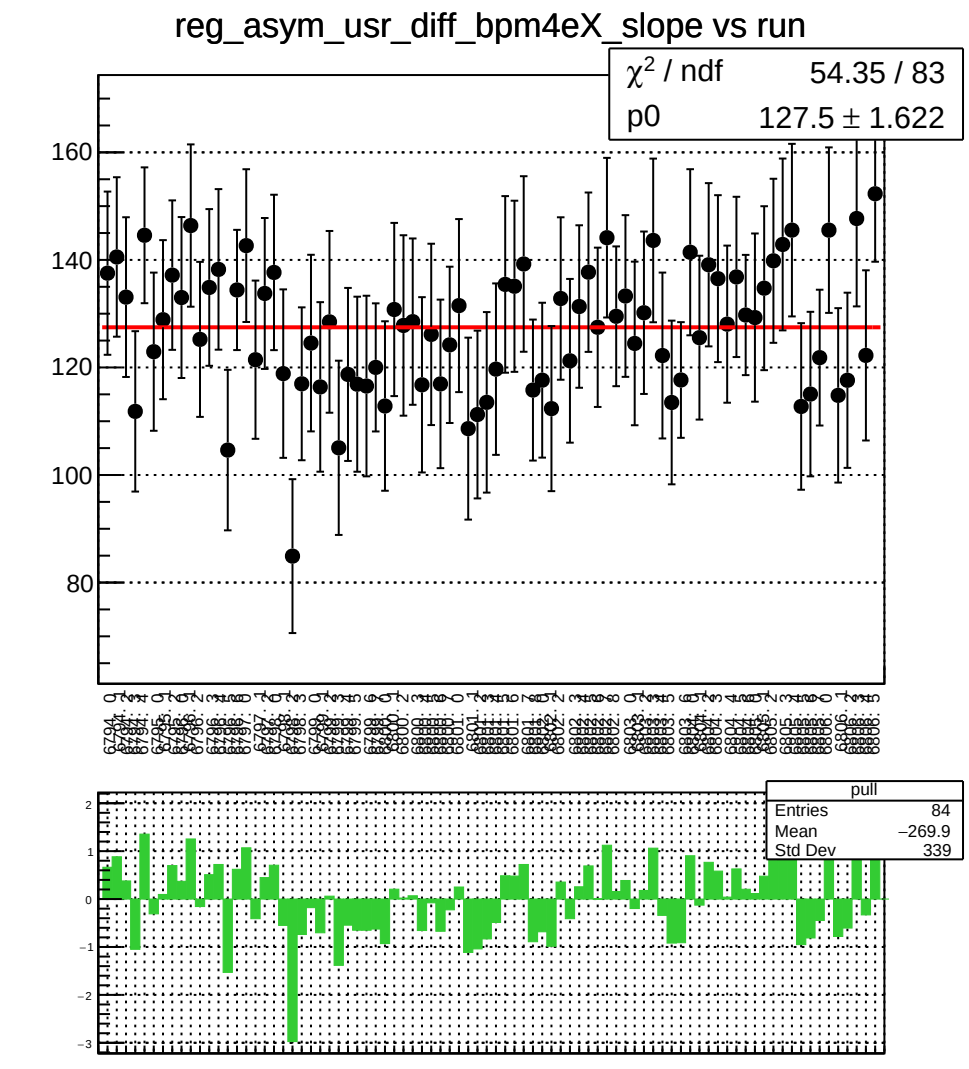

pull1D
Entries 84
Mean 0.003742
Std Dev 1.301

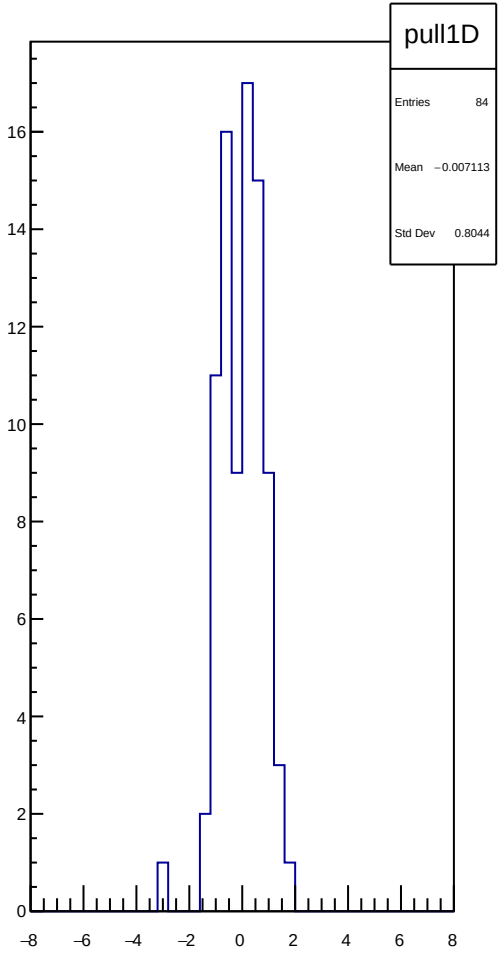

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 53.57 / 83
p0 −72.66 ± 1.731
pull
Entries 84
Mean −445.3
Std Dev 515.3

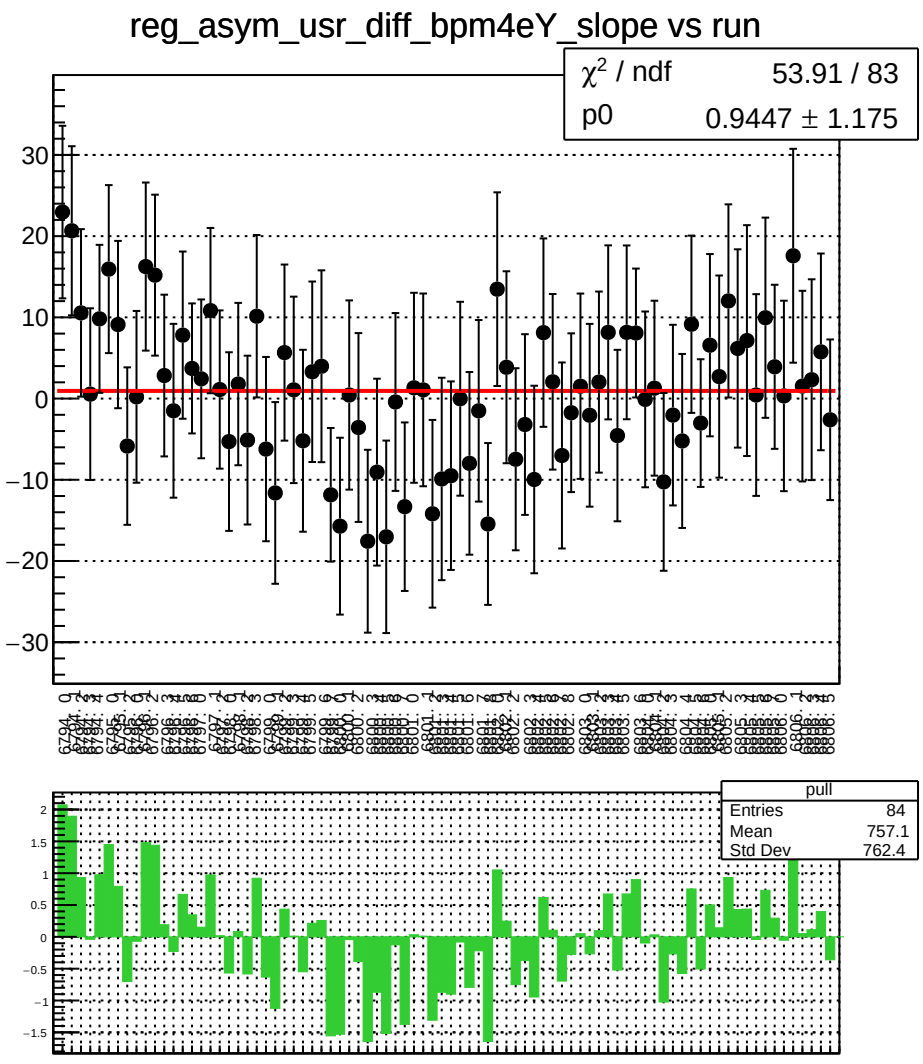

pull1D
Entries 84
Mean 0.004499
Std Dev 0.7986

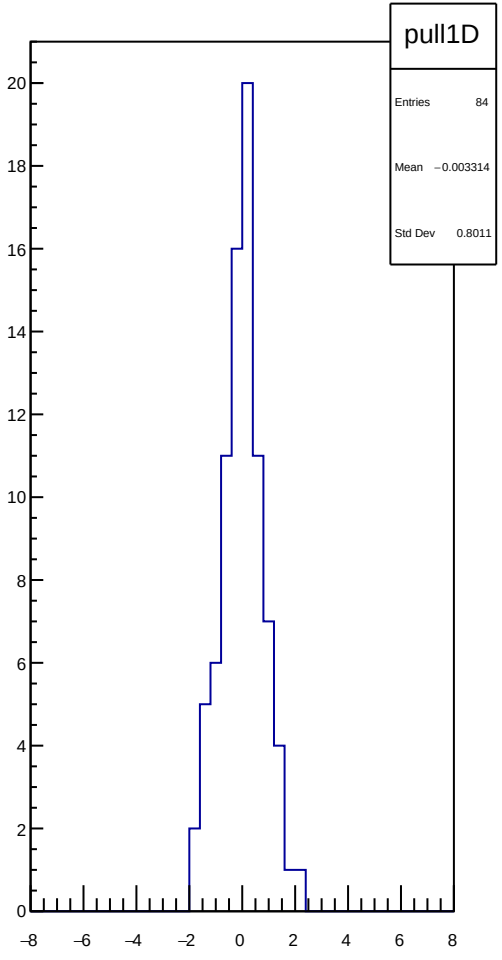

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 53.25 / 83
p0 10.53 ± 0.8394
30
20
10
0
−10
pull
Entries 84
Mean −241.4
Std Dev 231
1.5
1
0.5
0
−0.5
−1
−1.5
−2

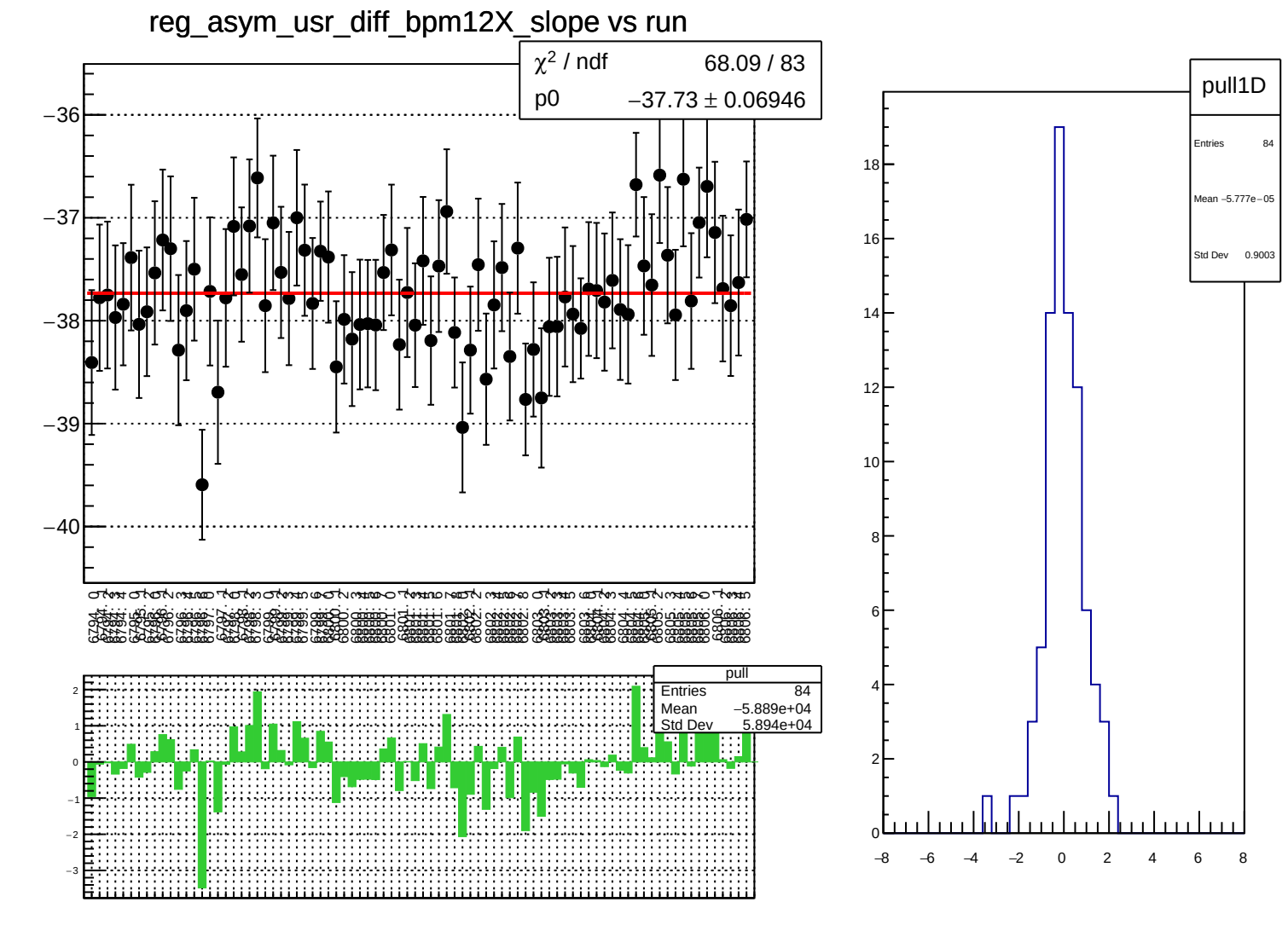

pull1D
Entries 84
Mean −0.008634
Std Dev 0.7962
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

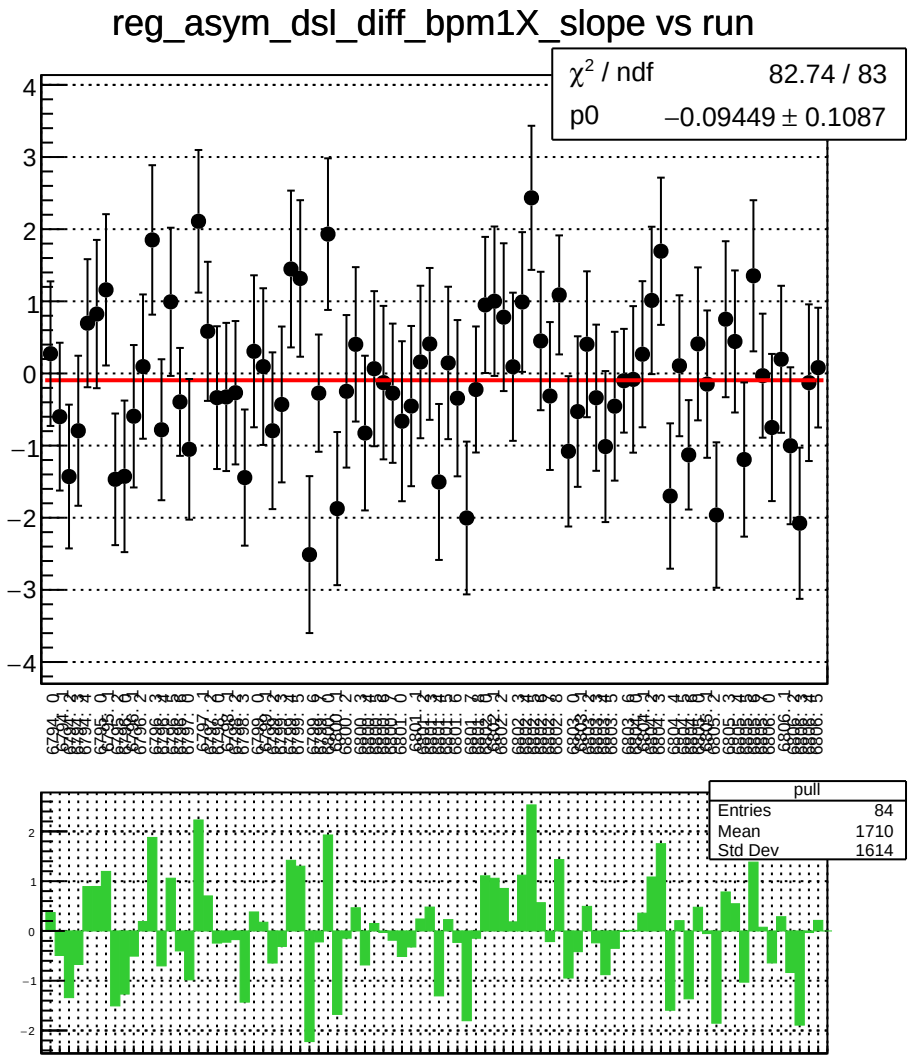

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 54.35 / 83
p0 127.5 ± 1.622
160
140
120
100
80
pull
Entries 84
Mean −269.9
Std Dev 339
2
1
0
−1
−2
−3

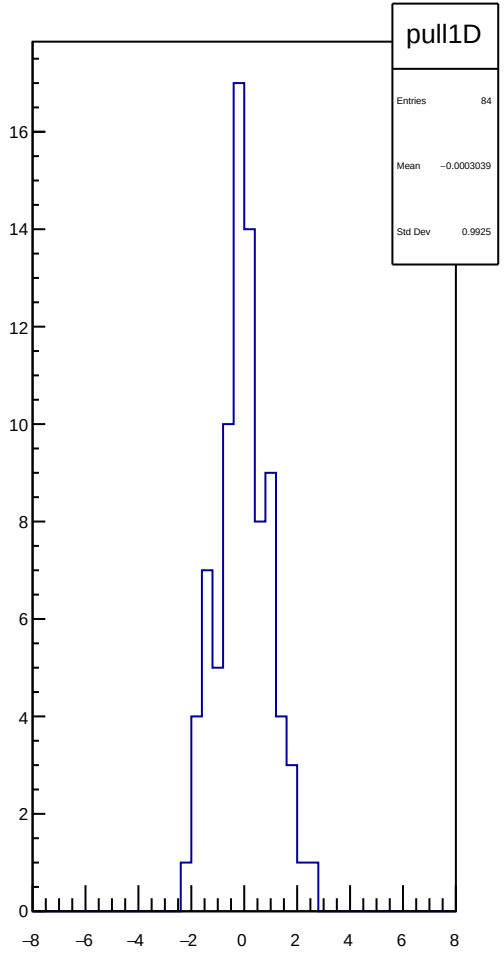

pull1D
Entries 84
Mean −0.007113
Std Dev 0.8044
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

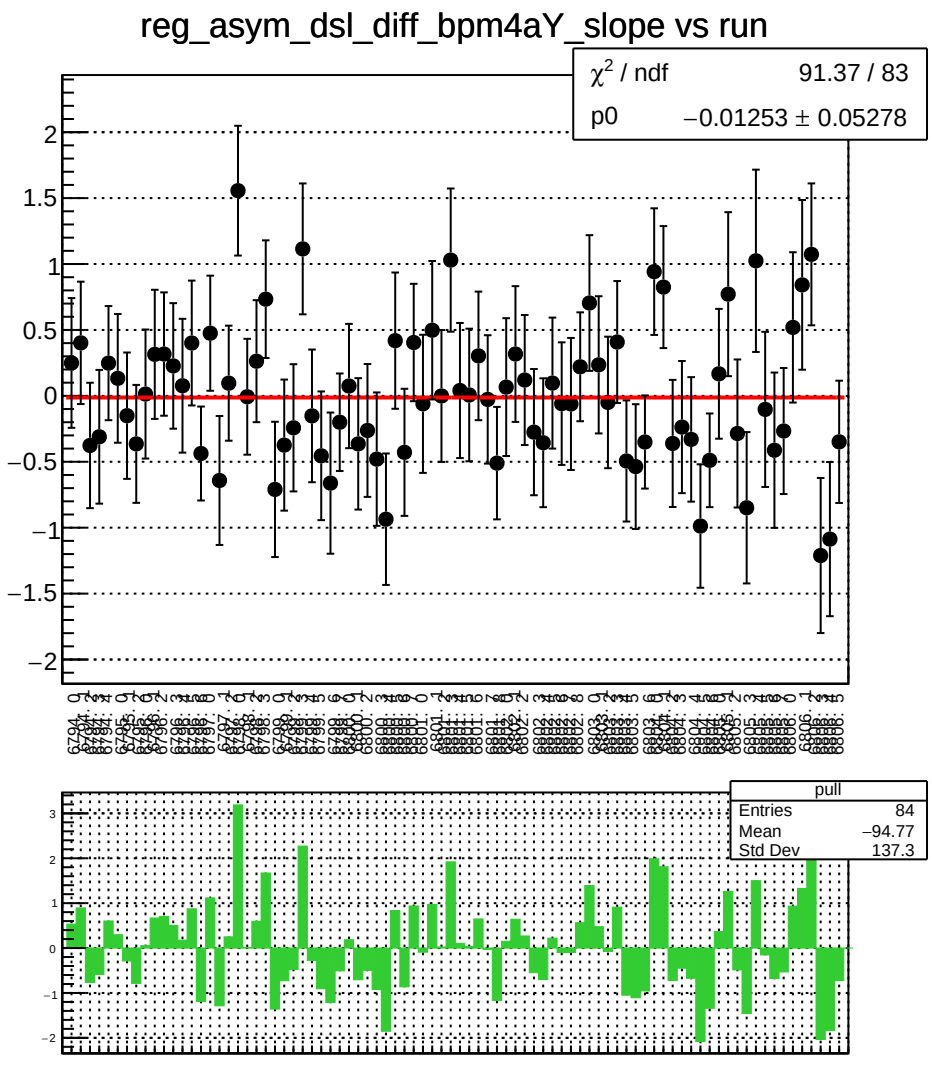

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 53.91 / 83
p0 0.9447 ± 1.175
pull
Entries 84
Mean 757.1
Std Dev 762.4

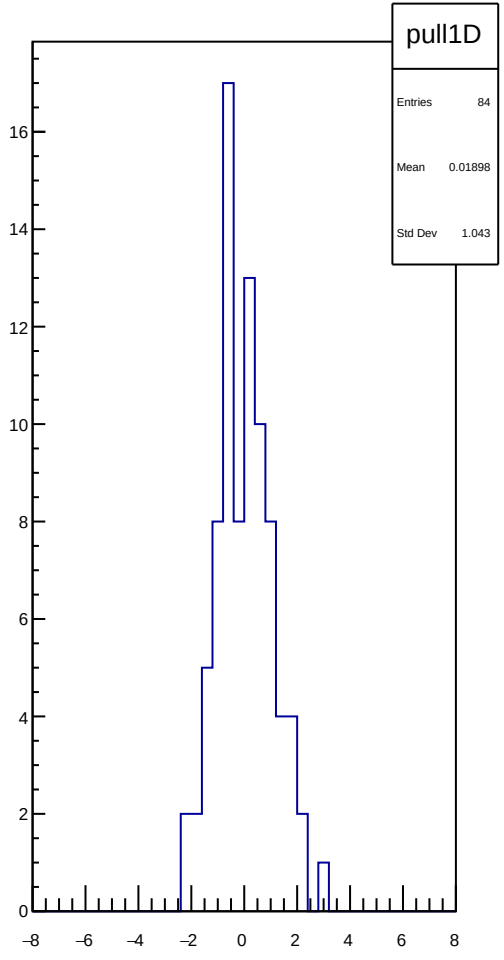

pull1D
Entries 84
Mean −0.003314
Std Dev 0.8011

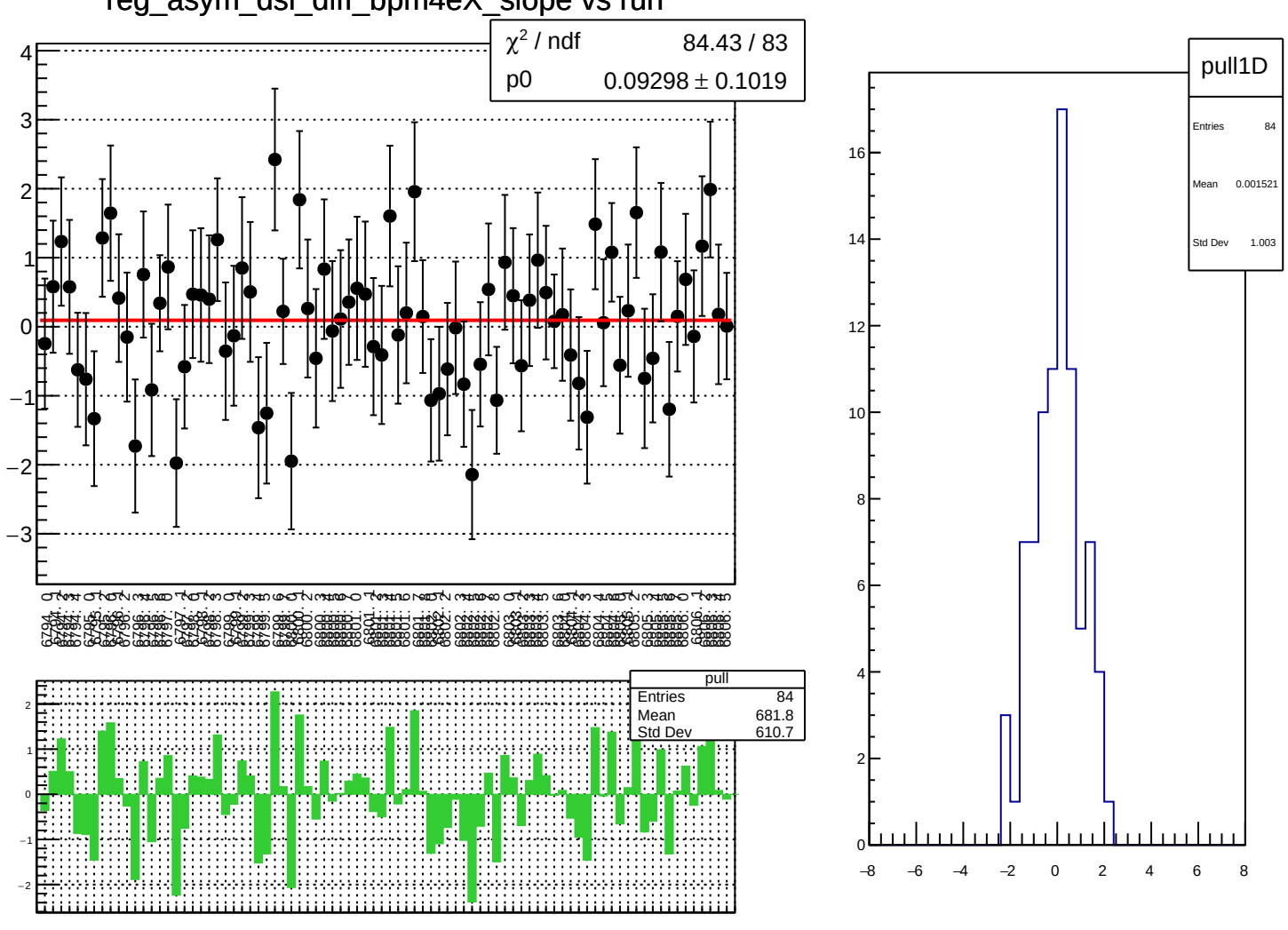

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 68.09 / 83
p0 −37.73 ± 0.06946
−36
−37
−38
−39
−40
pull
Entries 84
Mean −5.889e+04
Std Dev 5.894e+04
2
1
0
−1
−2
−3
pull1D
Entries 84
Mean −5.777e−05
Std Dev 0.9003
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

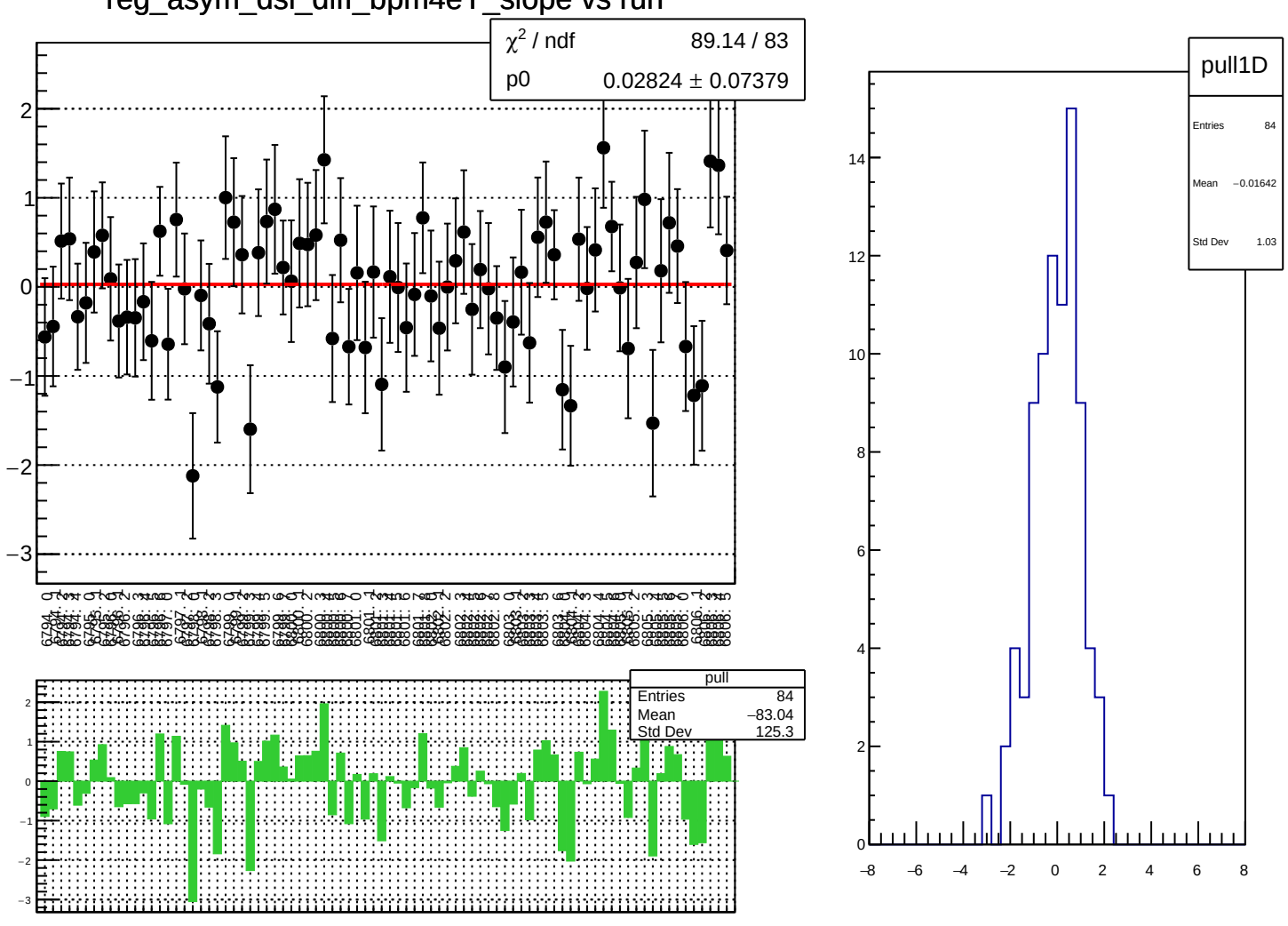

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 82.74 / 83
p0 −0.09449 ± 0.1087
pull
Entries 84
Mean 1710
Std Dev 1614

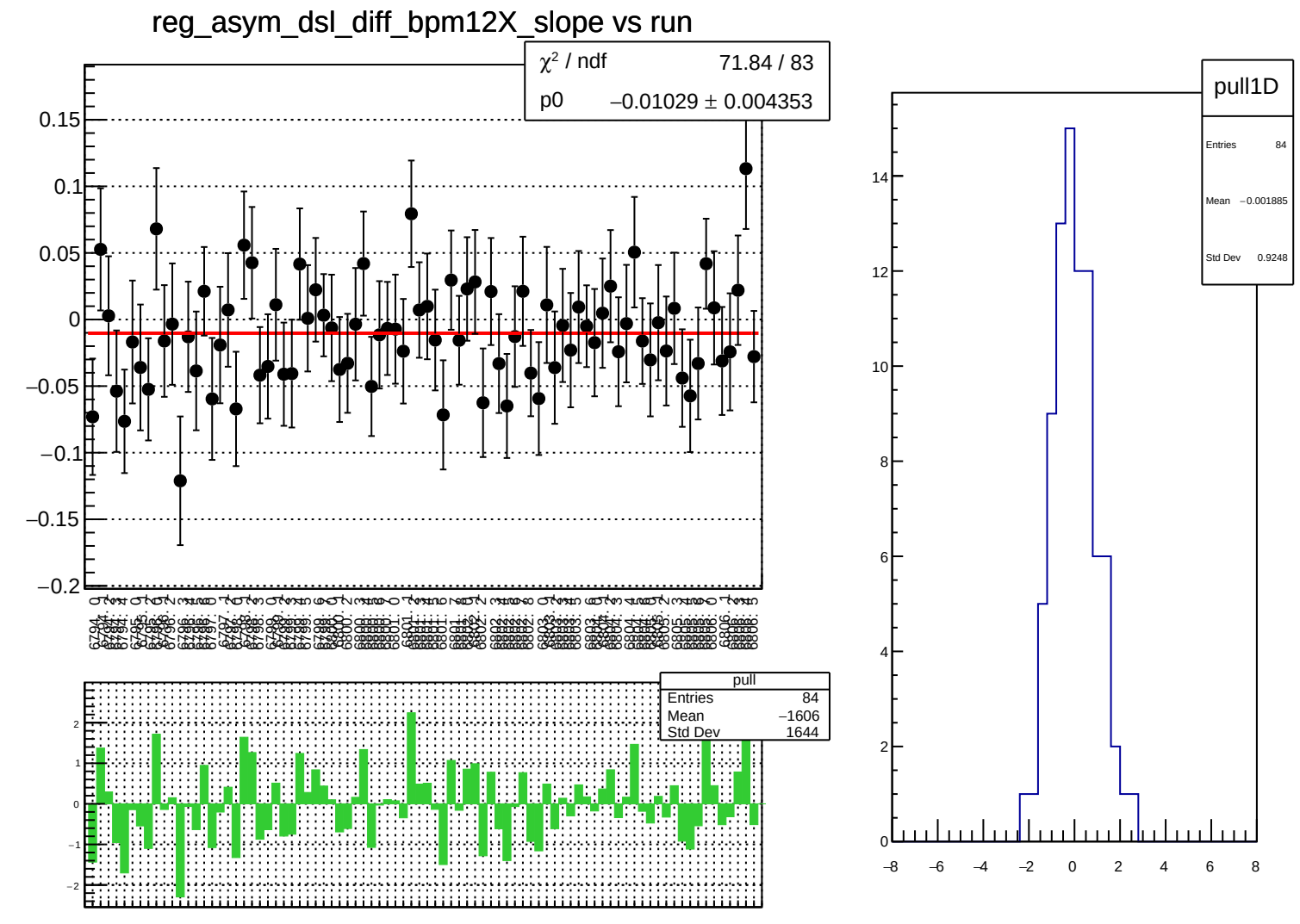

pull1D
Entries 84
Mean −0.0003039
Std Dev 0.9925

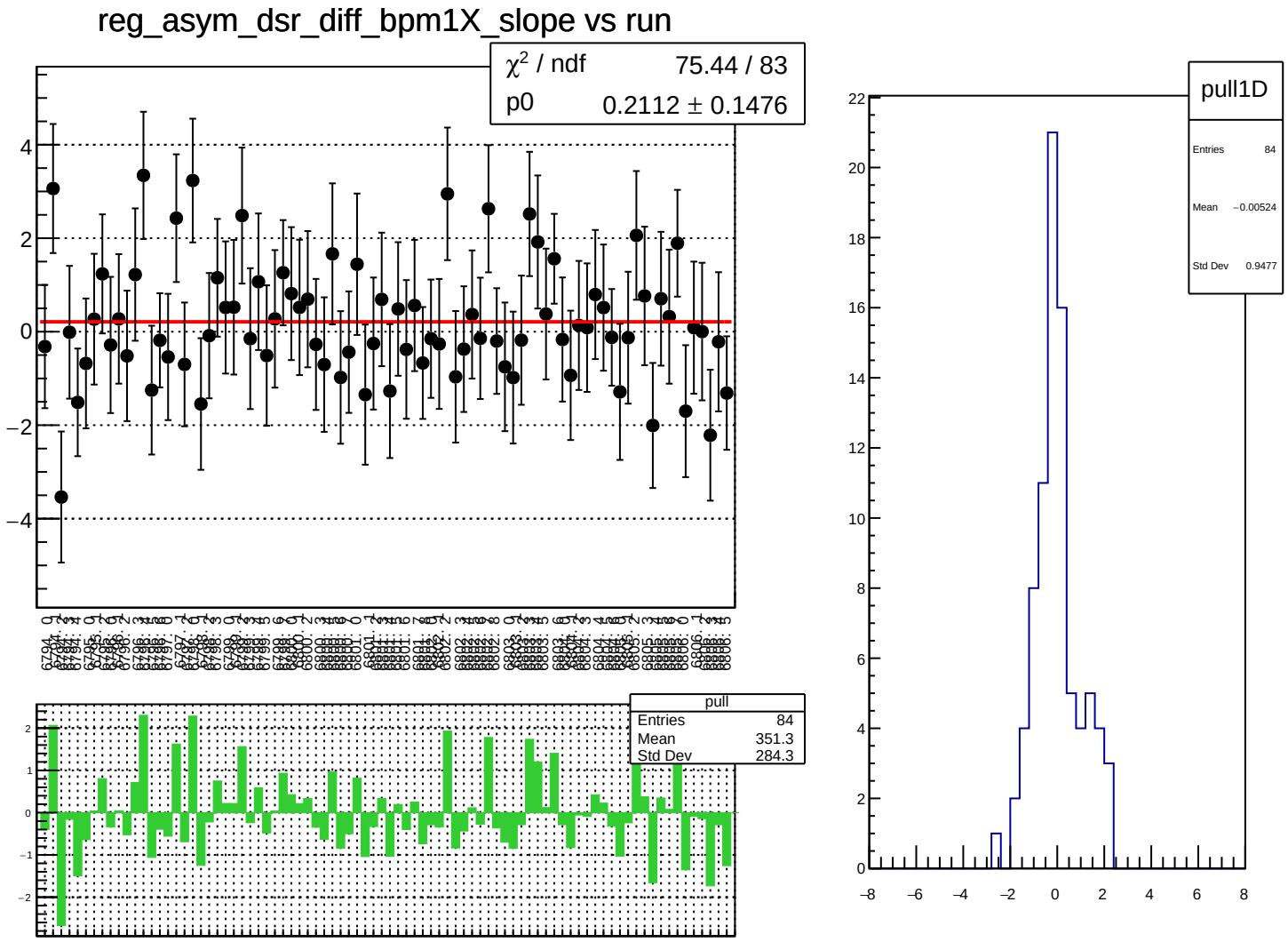

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 91.37 / 83
p0 −0.01253 ± 0.05278
pull
Entries 84
Mean −94.77
Std Dev 137.3

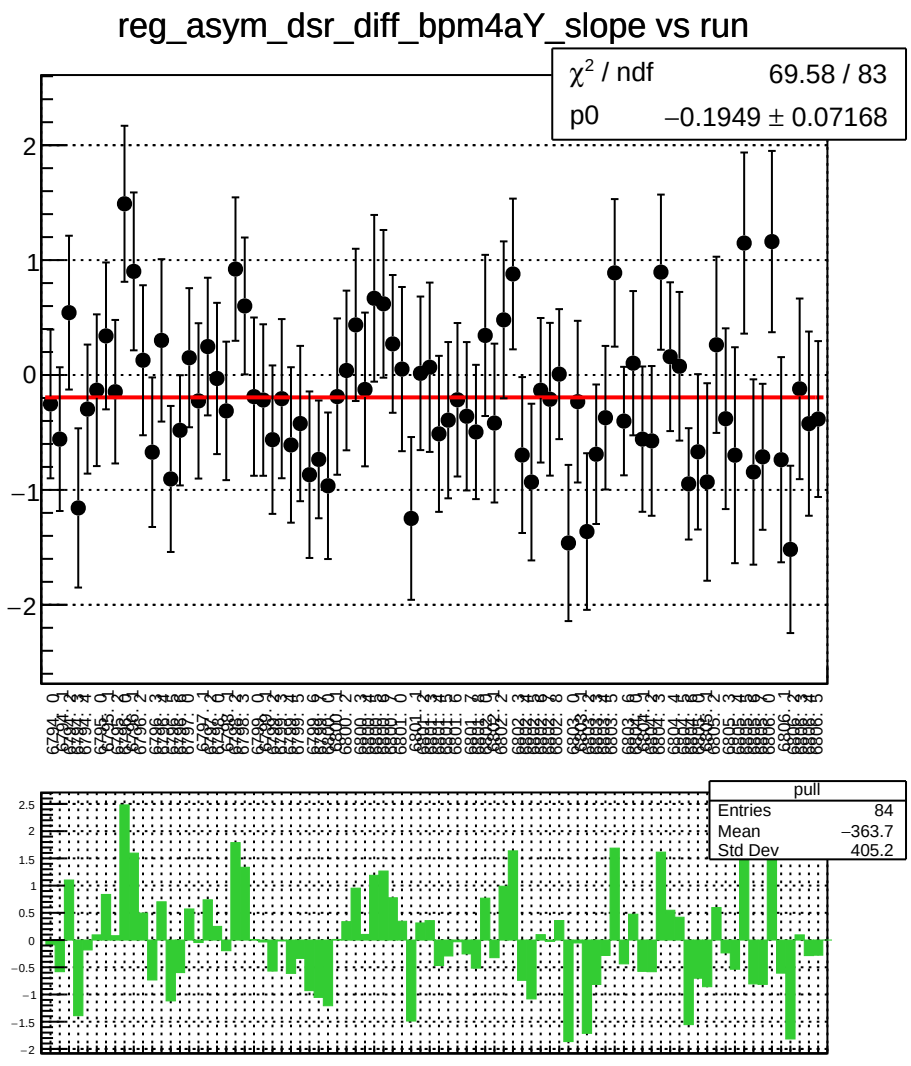

pull1D
Entries 84
Mean 0.01898
Std Dev 1.043

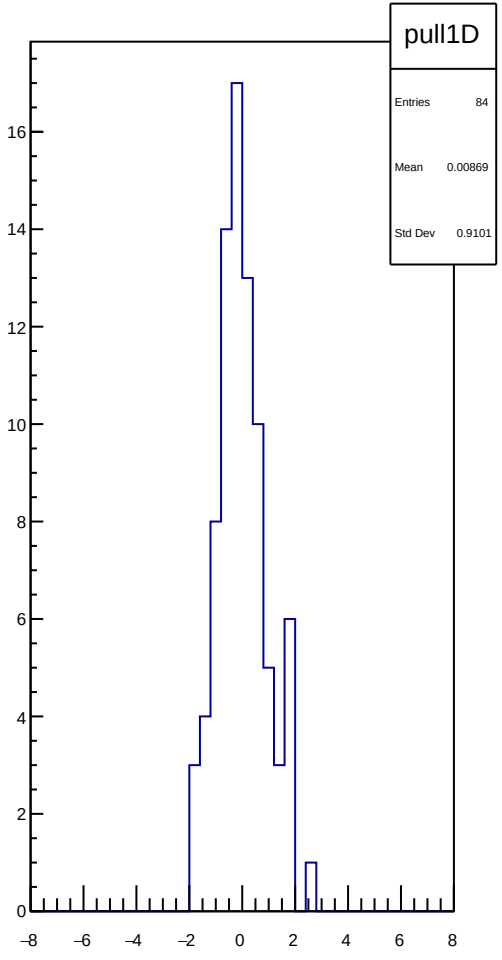

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 84.43 / 83
p0 0.09298 ± 0.1019
pull
Entries 84
Mean 681.8
Std Dev 610.7
pull1D
Entries 84
Mean 0.001521
Std Dev 1.003

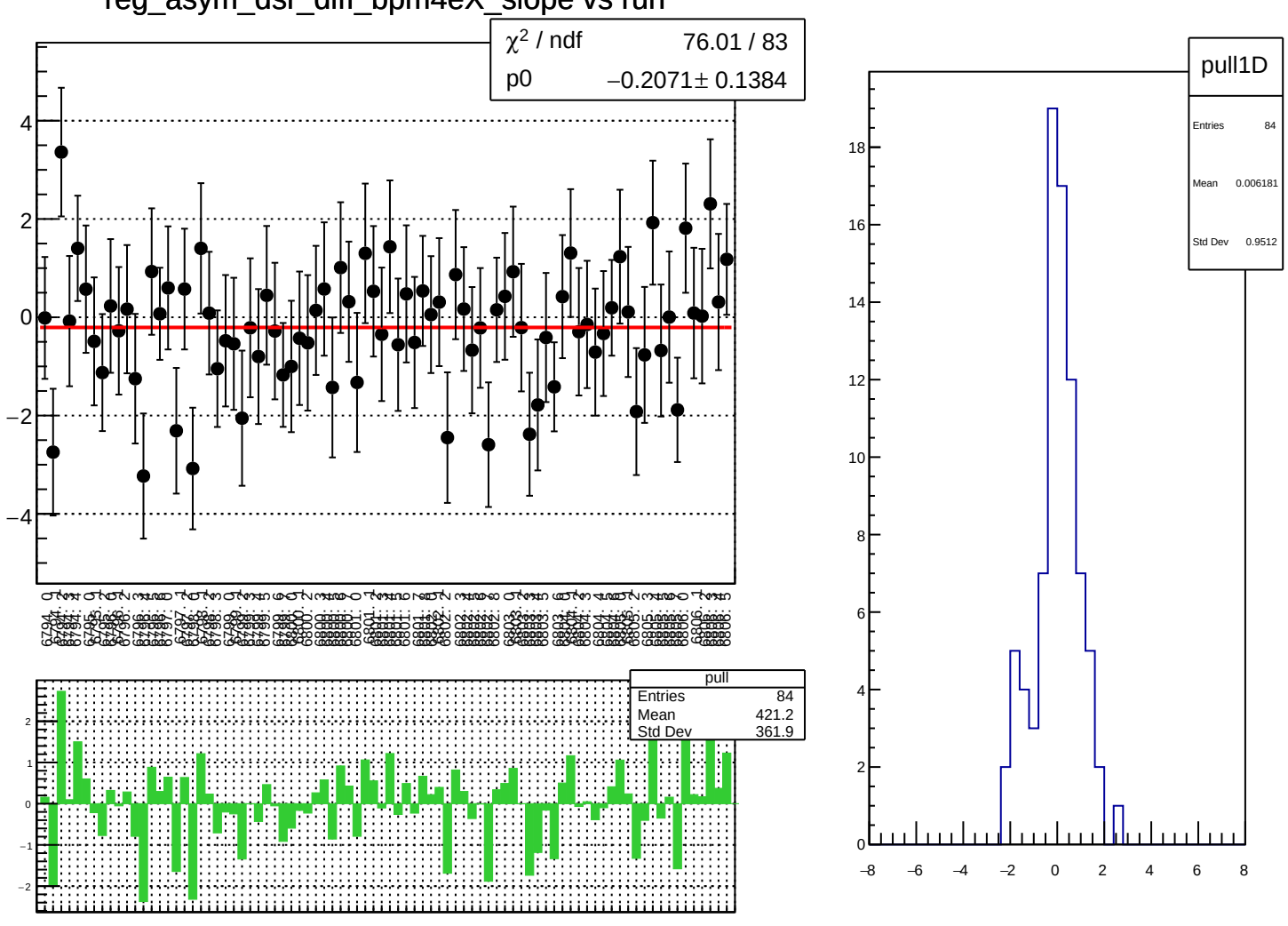

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 89.14 / 83
p0 0.02824 ± 0.07379
pull
Entries 84
Mean −83.04
Std Dev 125.3
pull1D
Entries 84
Mean −0.01642
Std Dev 1.03

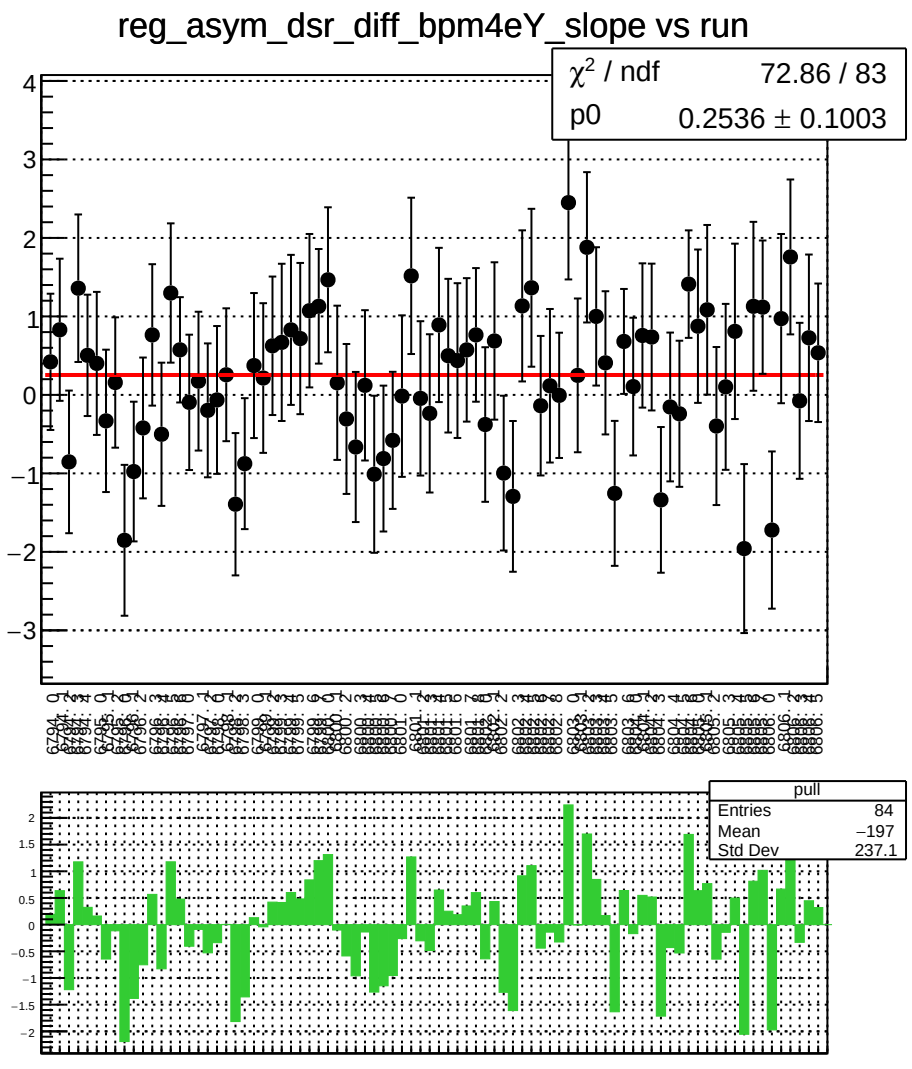

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 71.84 / 83
p0 −0.01029 ± 0.004353
pull
Entries 84
Mean −1606
Std Dev 1644
pull1D
Entries 84
Mean −0.001885
Std Dev 0.9248

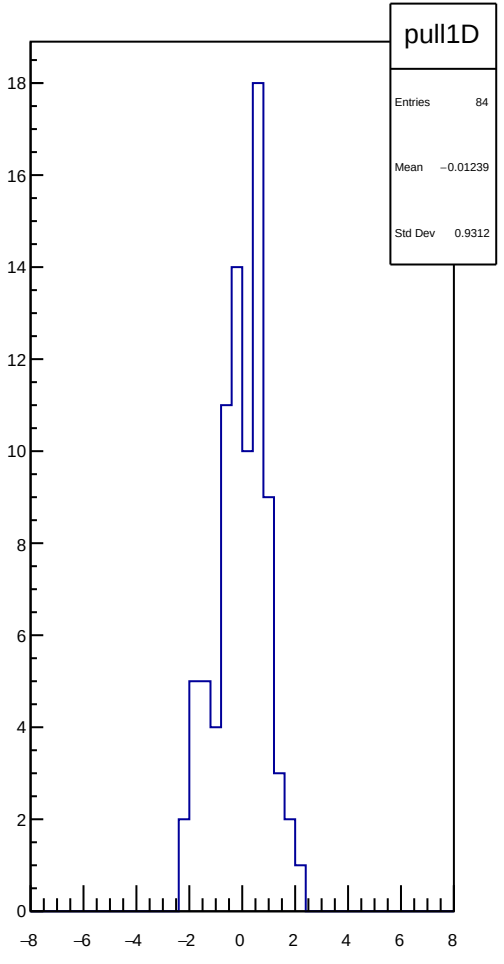

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 75.44 / 83
p0 0.2112 ± 0.1476
pull
Entries 84
Mean 351.3
Std Dev 284.3
pull1D
Entries 84
Mean −0.00524
Std Dev 0.9477

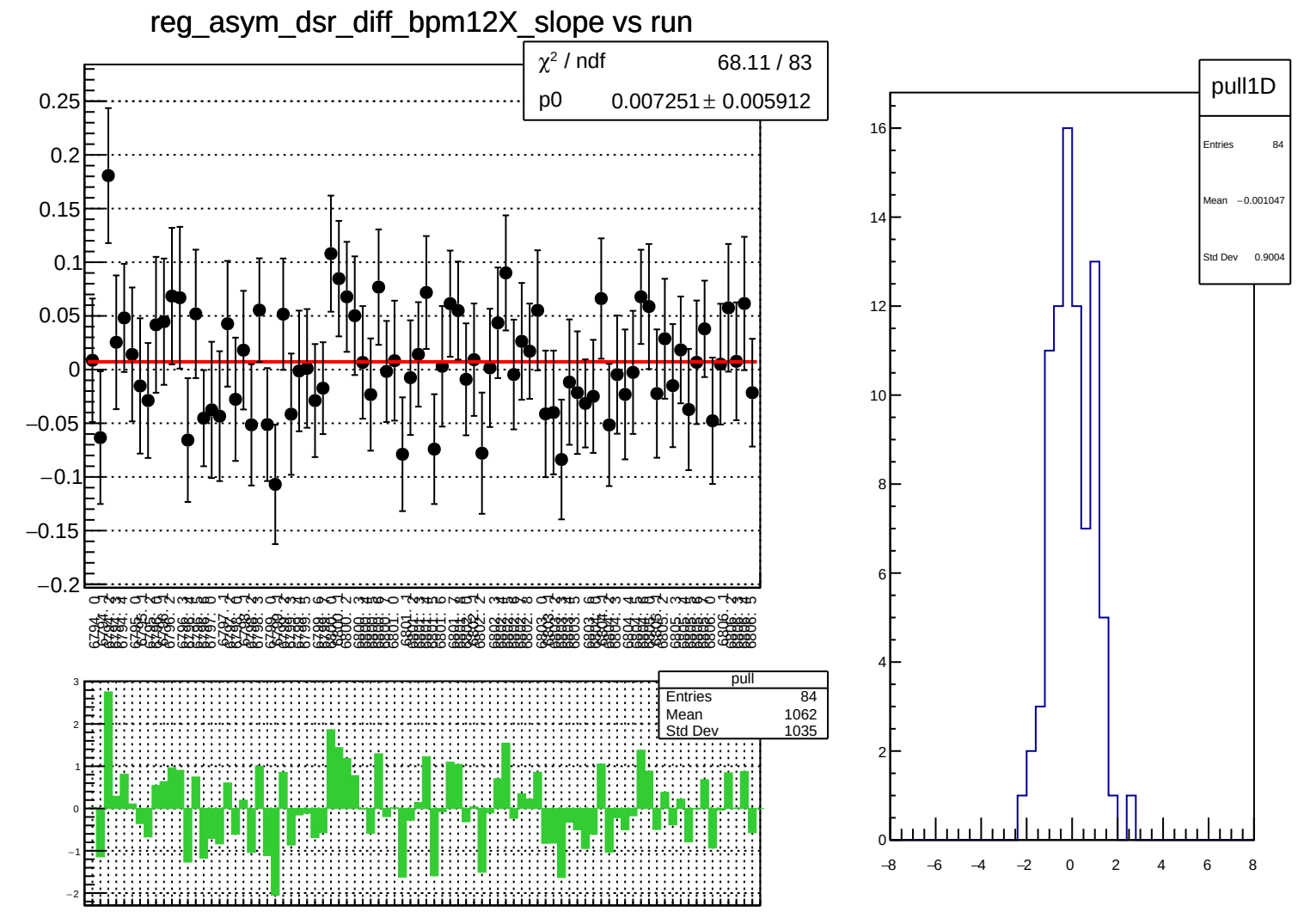

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 69.58 / 83
p0 −0.1949 ± 0.07168
pull
Entries 84
Mean −363.7
Std Dev 405.2

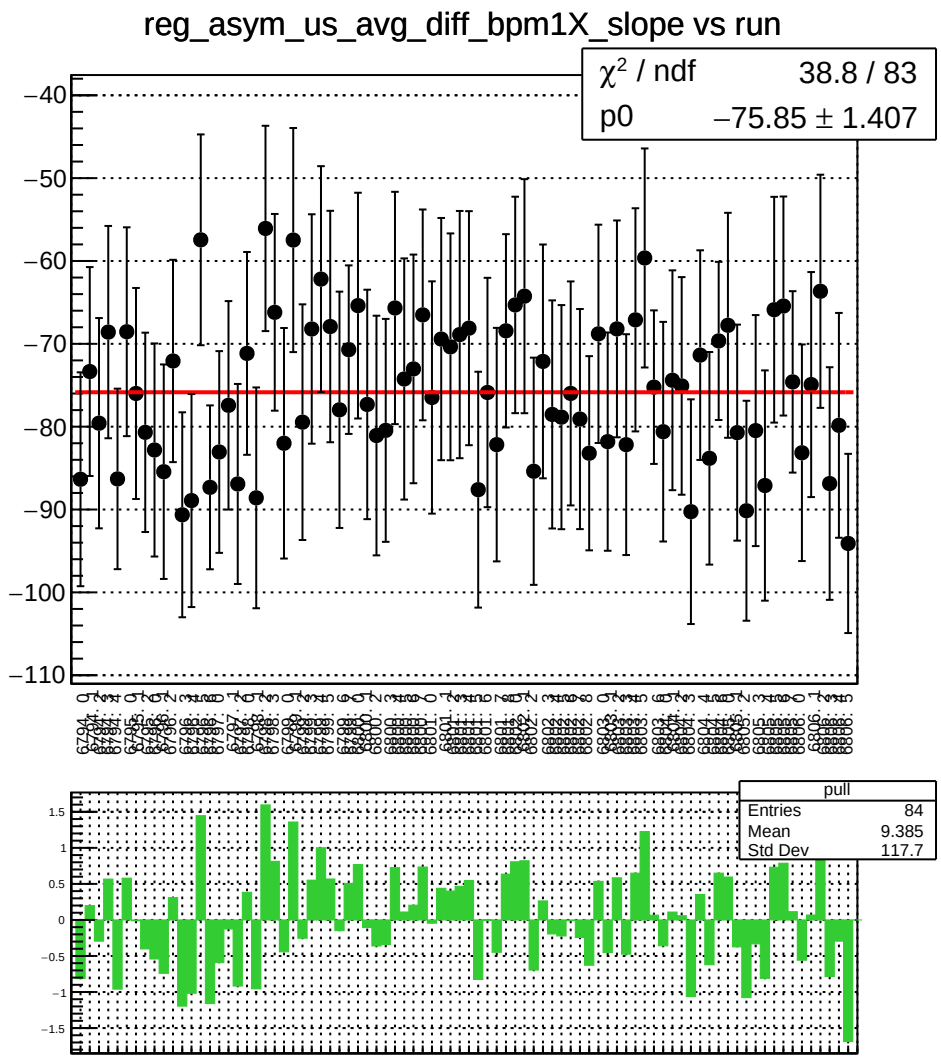

pull1D
Entries 84
Mean 0.00869
Std Dev 0.9101

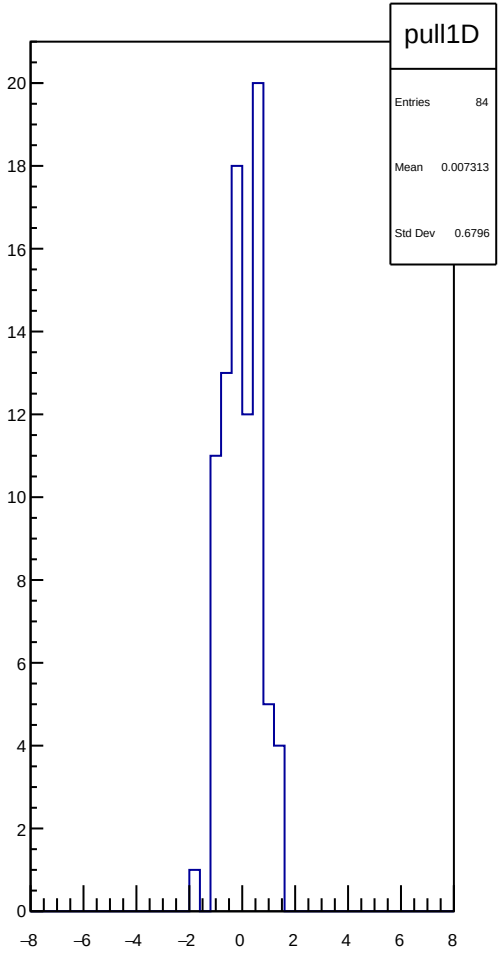

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 76.01 / 83
p0 −0.2071± 0.1384
pull
Entries 84
Mean 421.2
Std Dev 361.9
pull1D
Entries 84
Mean 0.006181
Std Dev 0.9512

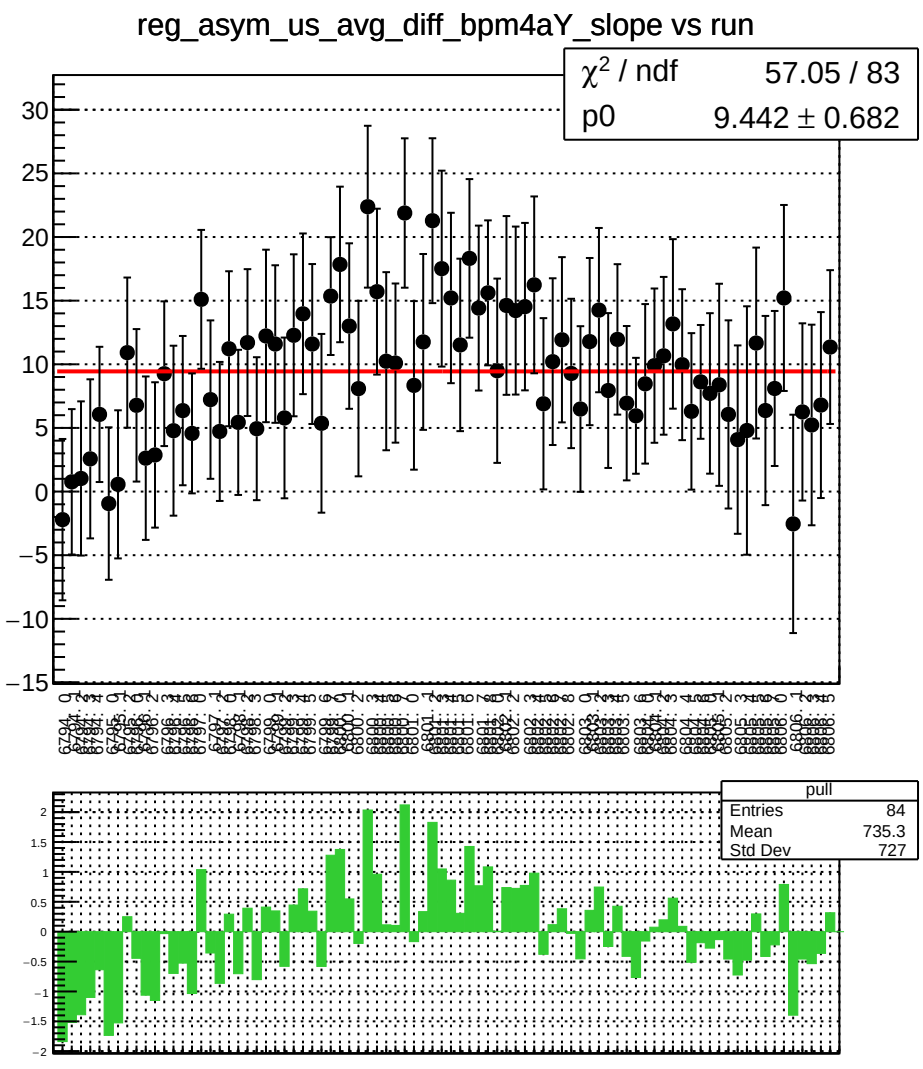

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 72.86 / 83
p0 0.2536 ± 0.1003
pull
Entries 84
Mean −197
Std Dev 237.1

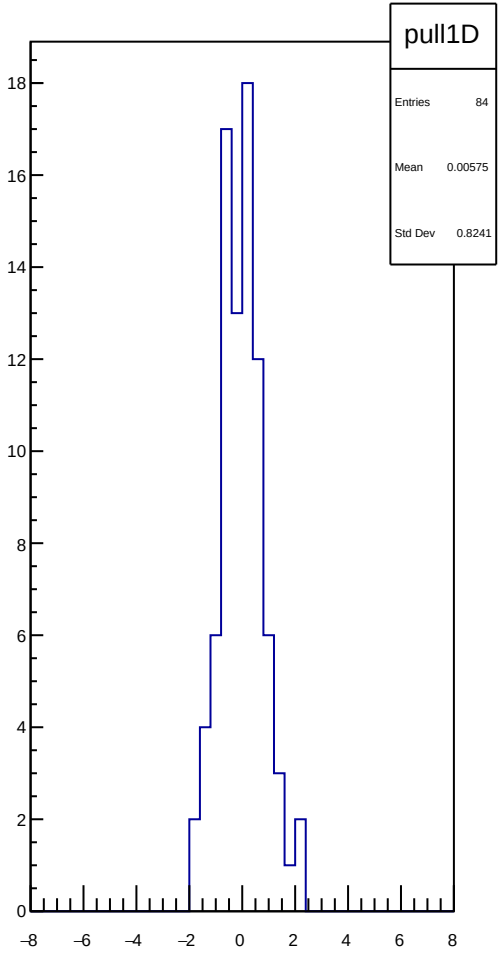

pull1D
Entries 84
Mean −0.01239
Std Dev 0.9312

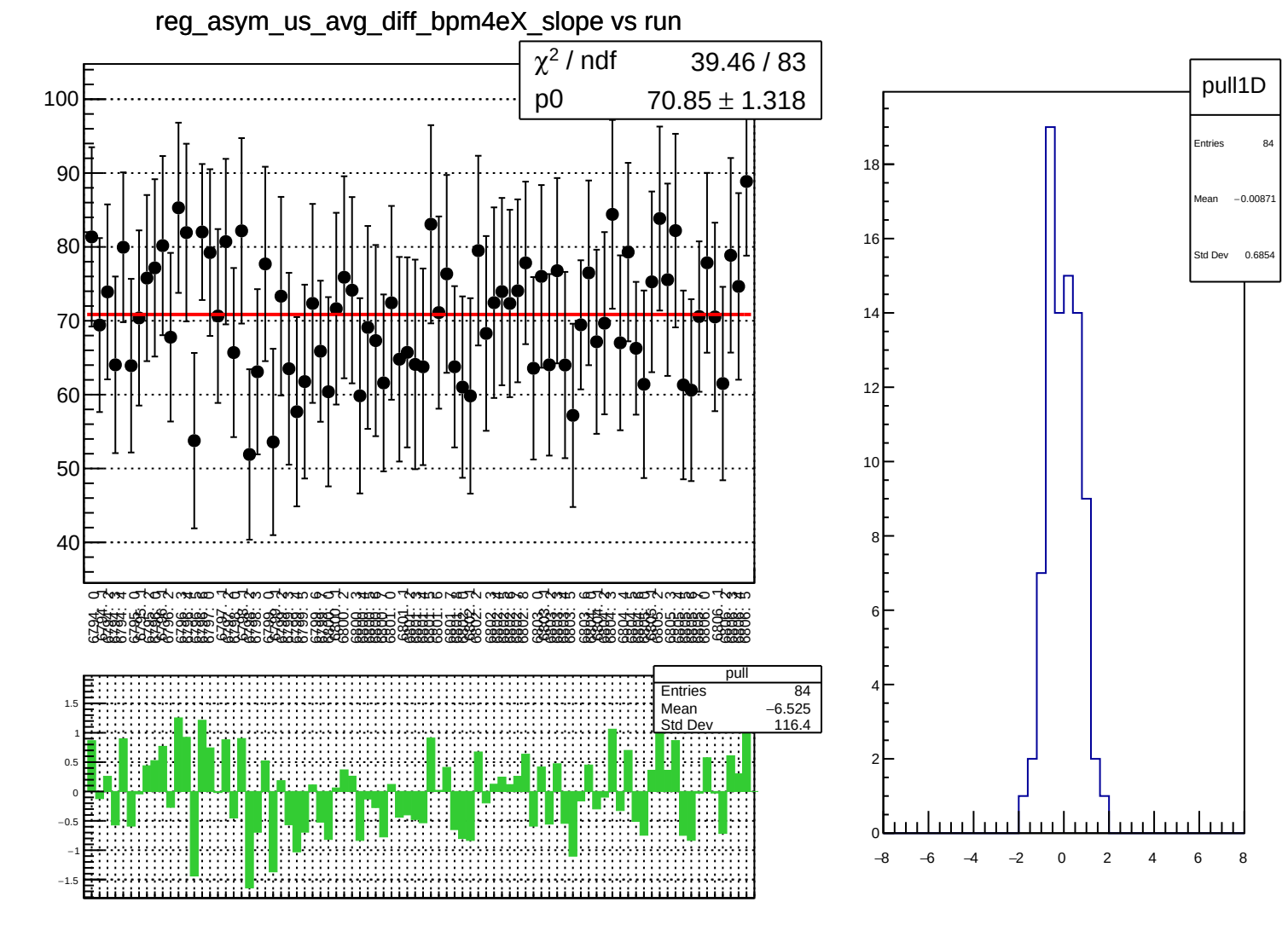

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 68.11 / 83
p0 0.007251 ± 0.005912
pull
Entries 84
Mean 1062
Std Dev 1035
pull1D
Entries 84
Mean −0.001047
Std Dev 0.9004

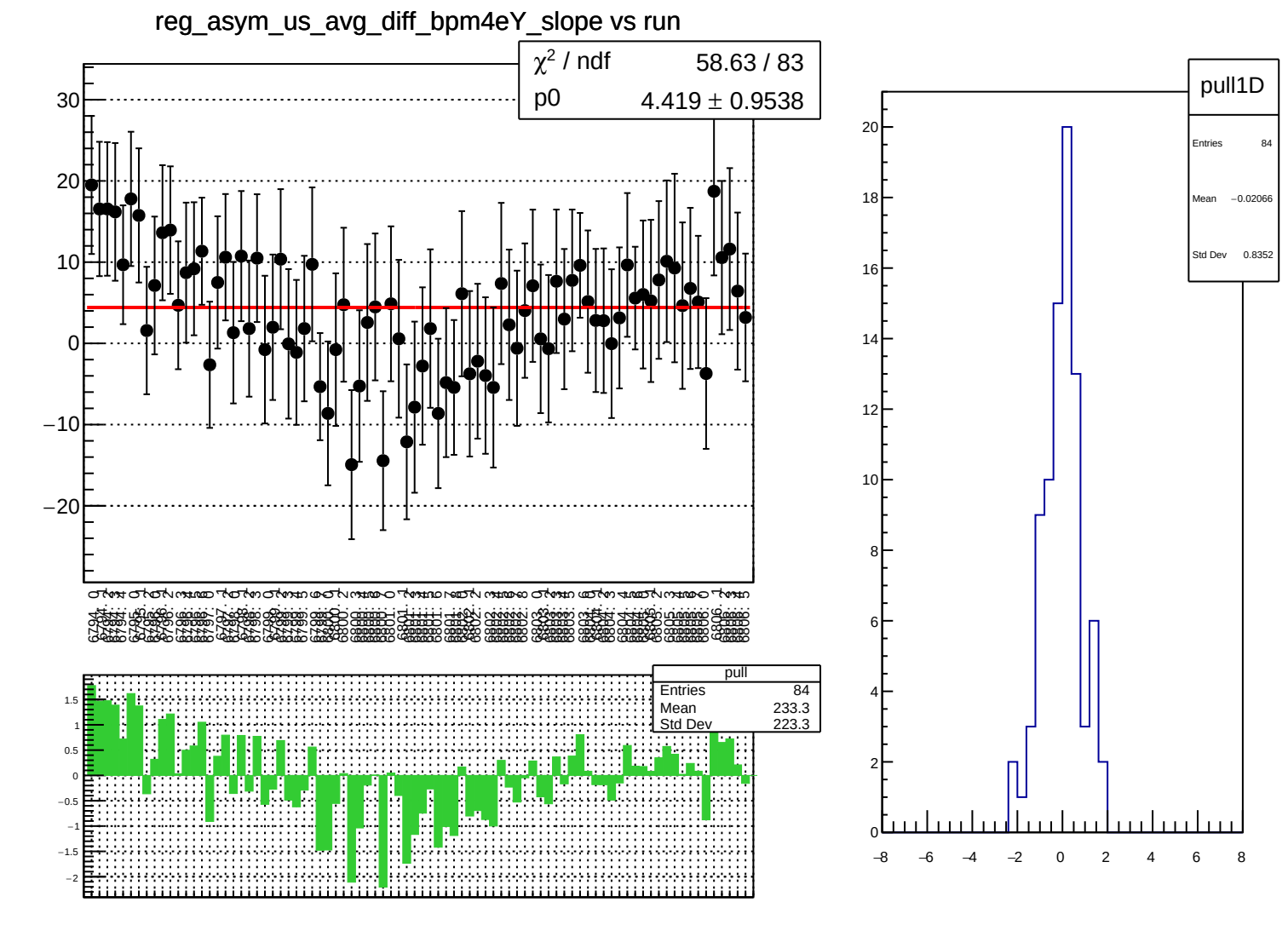

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 38.8 / 83
p0 −75.85 ± 1.407
pull
Entries 84
Mean 9.385
Std Dev 117.7

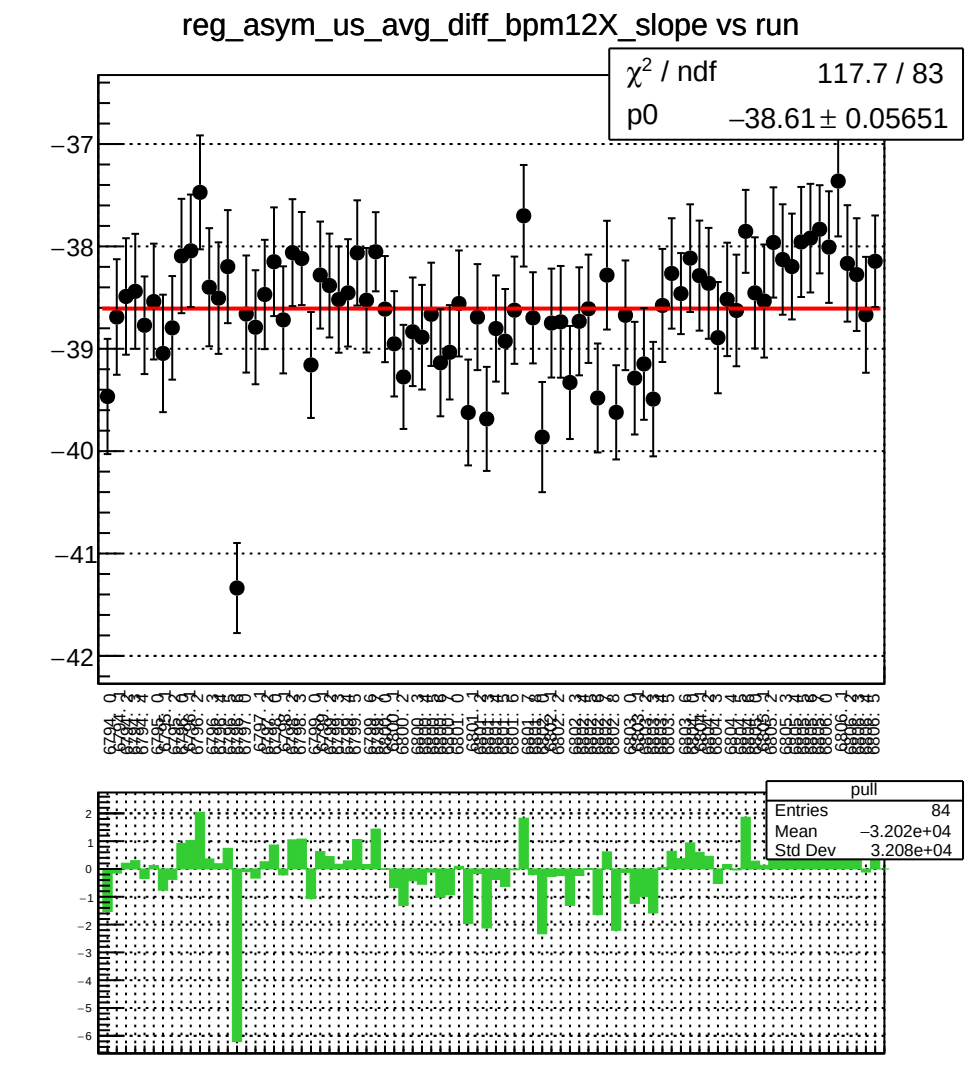

pull1D
Entries 84
Mean 0.007313
Std Dev 0.6796

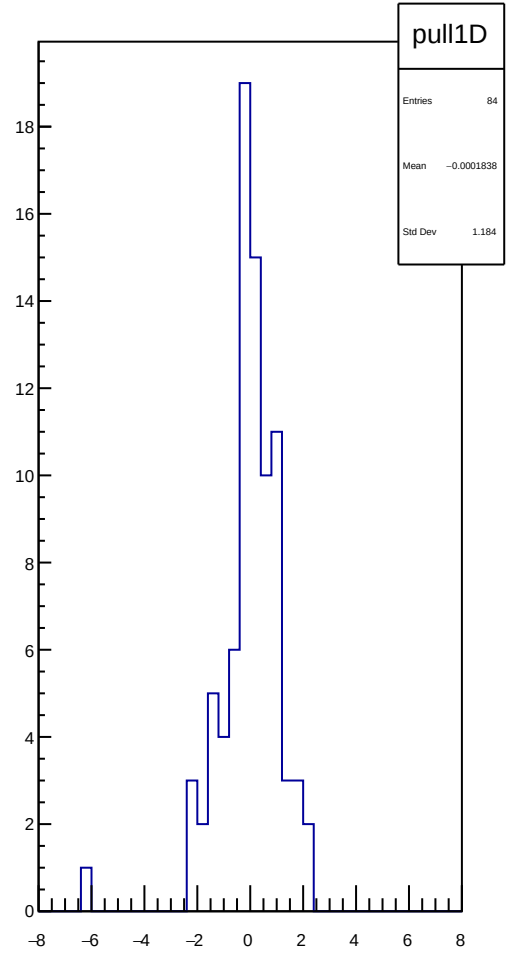

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 57.05 / 83
p0 9.442 ± 0.682
pull
Entries 84
Mean 735.3
Std Dev 727

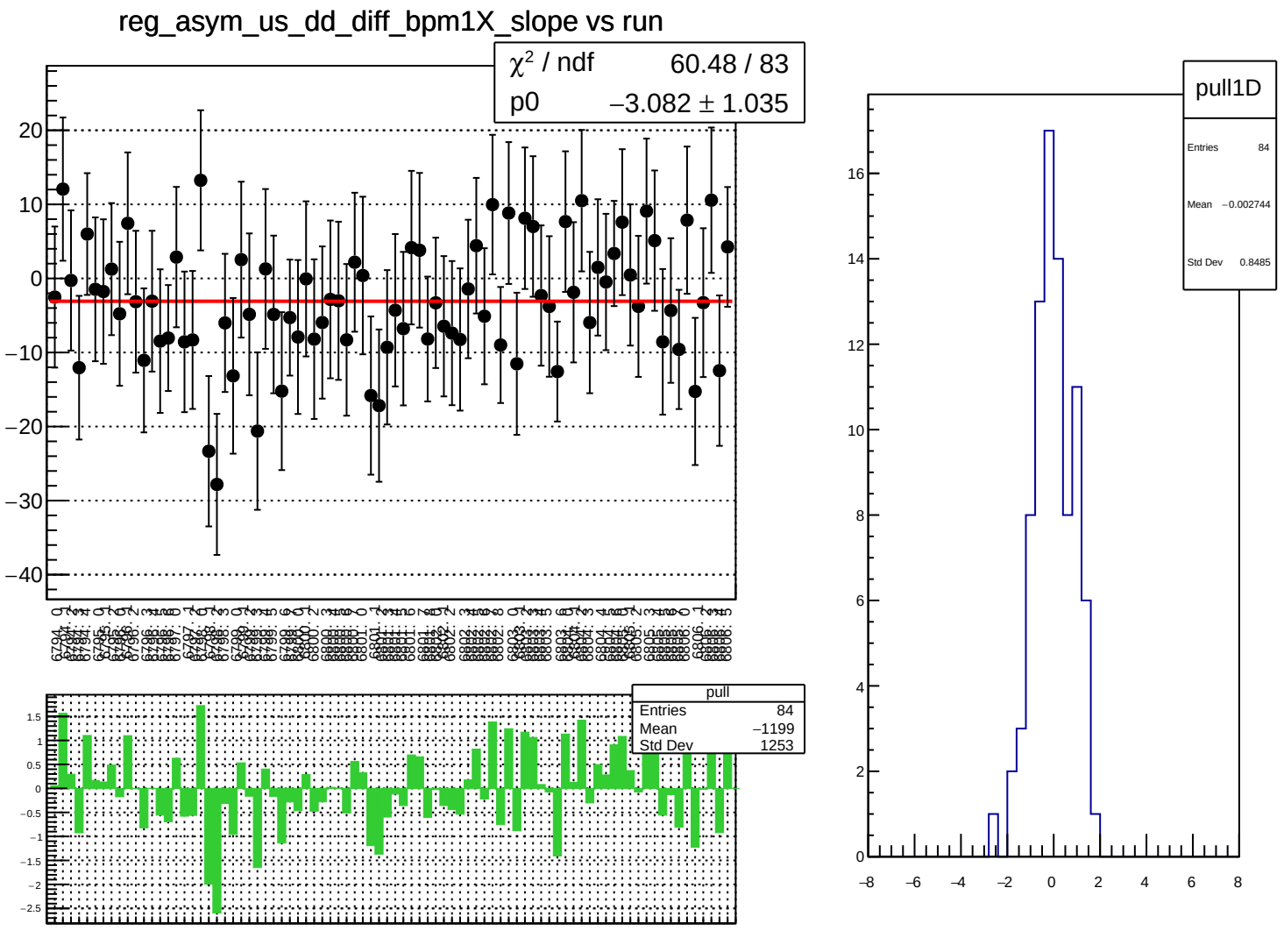

pull1D
Entries 84
Mean 0.00575
Std Dev 0.8241

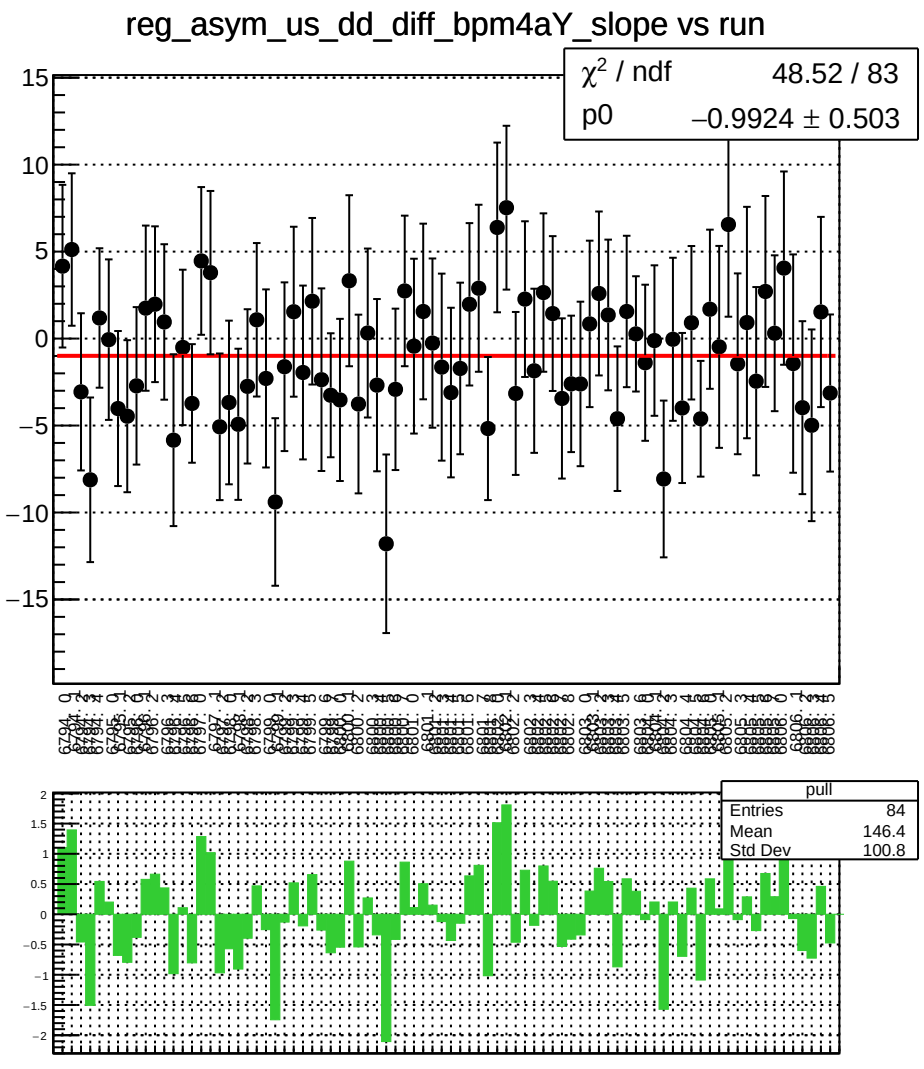

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 39.46 / 83
p0 70.85 ± 1.318
pull
Entries 84
Mean −6.525
Std Dev 116.4
pull1D
Entries 84
Mean −0.00871
Std Dev 0.6854

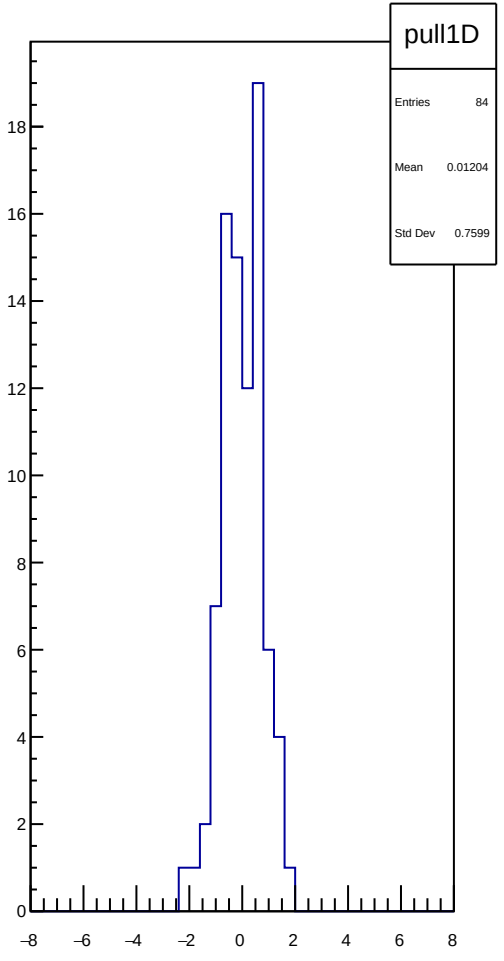

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 58.63 / 83
p0 4.419 ± 0.9538
pull
Entries 84
Mean 233.3
Std Dev 223.3
pull1D
Entries 84
Mean −0.02066
Std Dev 0.8352

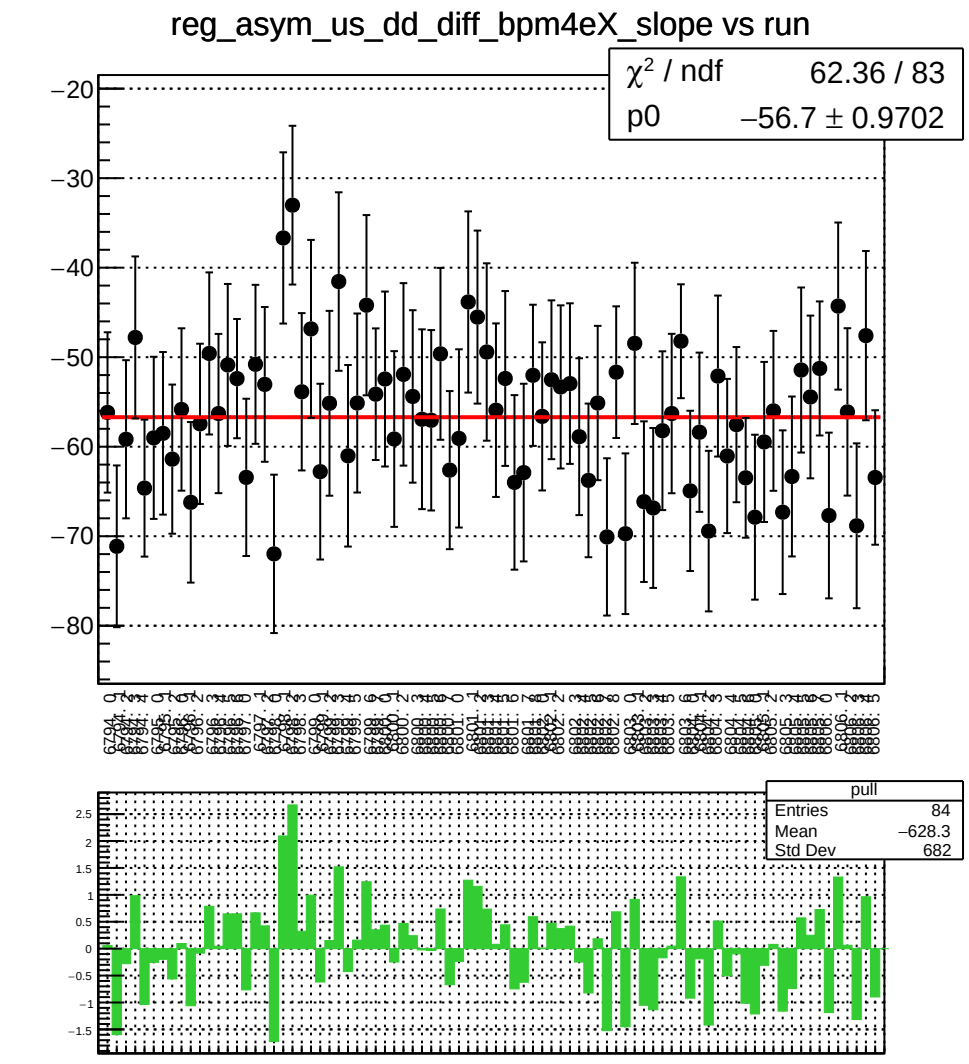

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 117.7 / 83
p0 −38.61 ± 0.05651
−37
−38
−39
−40
−41
−42
pull
Entries 84
Mean −3.202e+04
Std Dev 3.208e+04
2
1
0
−1
−2
−3
−4
−5
−6

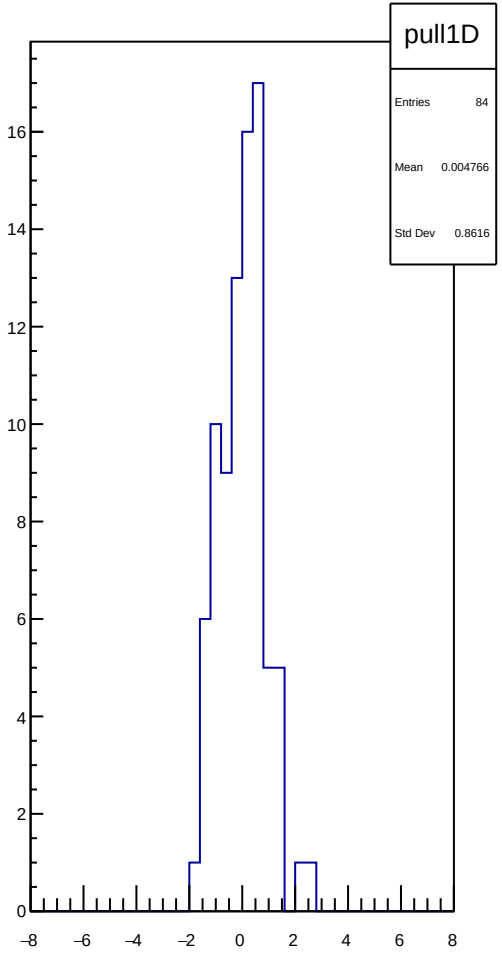

pull1D
Entries 84
Mean −0.0001838
Std Dev 1.184
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

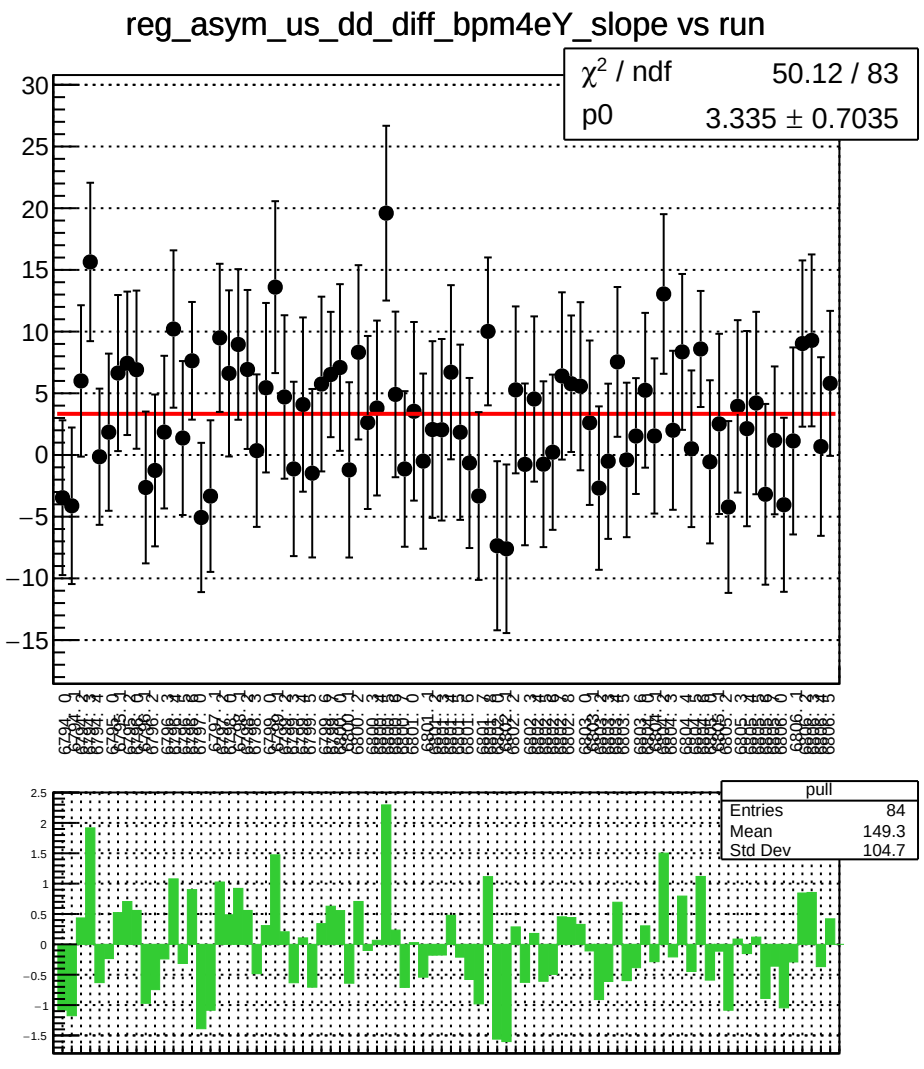

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 60.48 / 83
p0 −3.082 ± 1.035
pull
Entries 84
Mean −1199
Std Dev 1253
pull1D
Entries 84
Mean −0.002744
Std Dev 0.8485

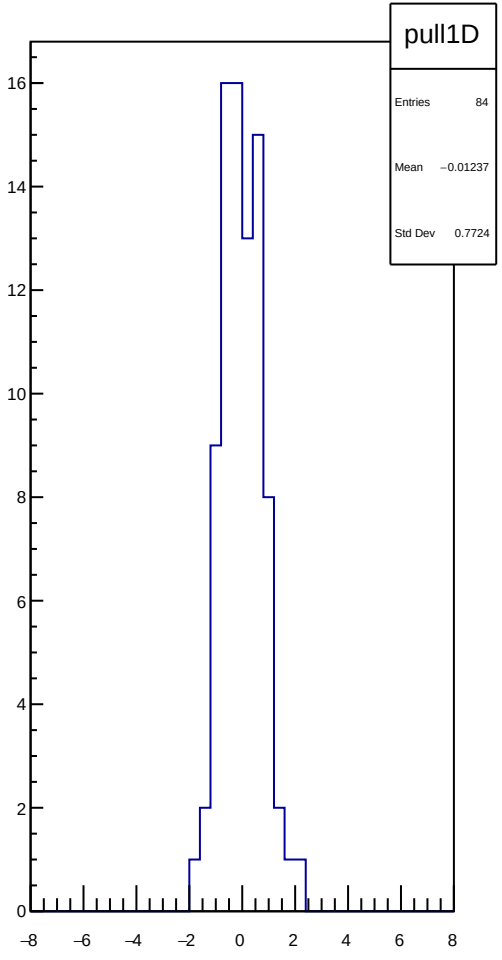

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 48.52 / 83
p0 −0.9924 ± 0.503
pull
Entries 84
Mean 146.4
Std Dev 100.8

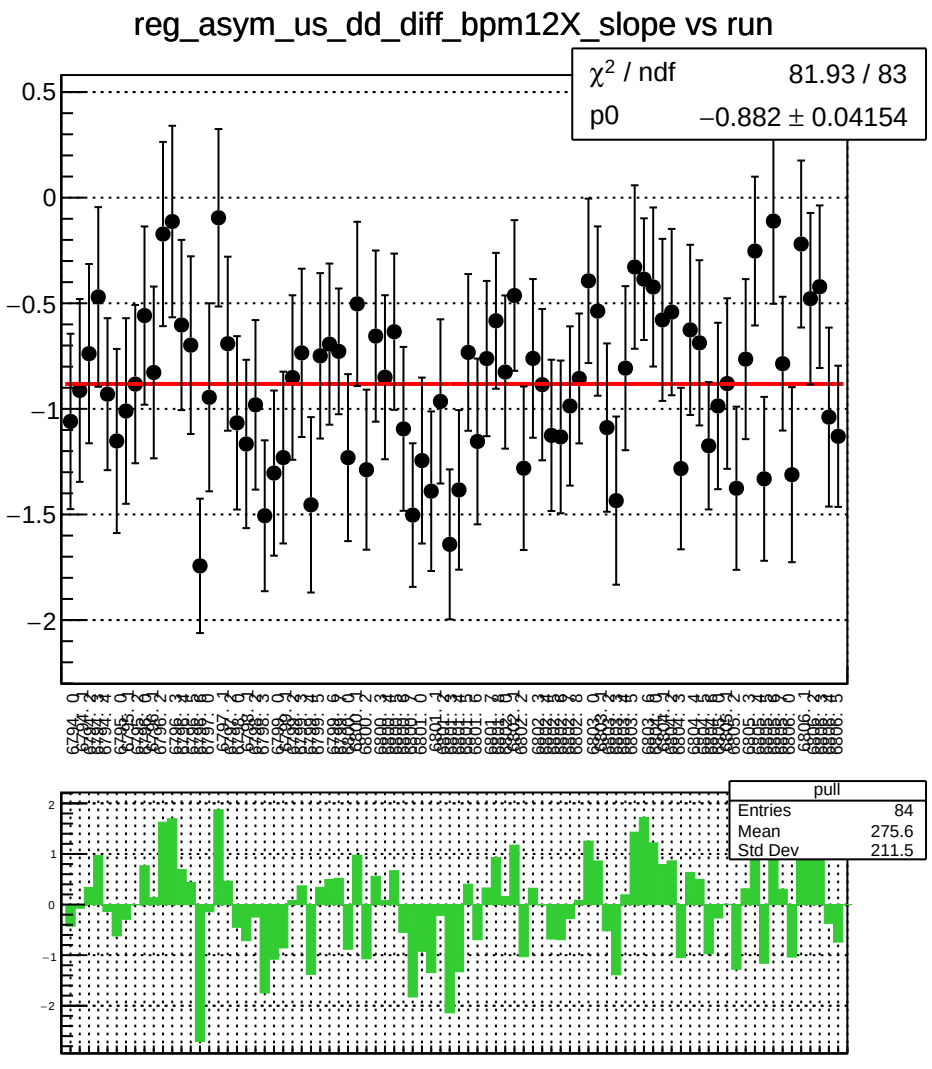

pull1D
Entries 84
Mean 0.01204
Std Dev 0.7599

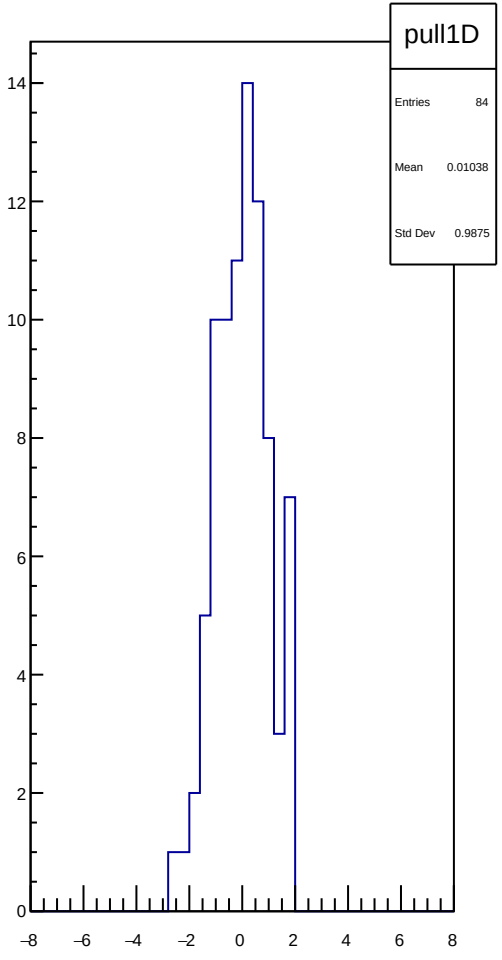

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 62.36 / 83
p0 −56.7 ± 0.9702
pull
Entries 84
Mean −628.3
Std Dev 682

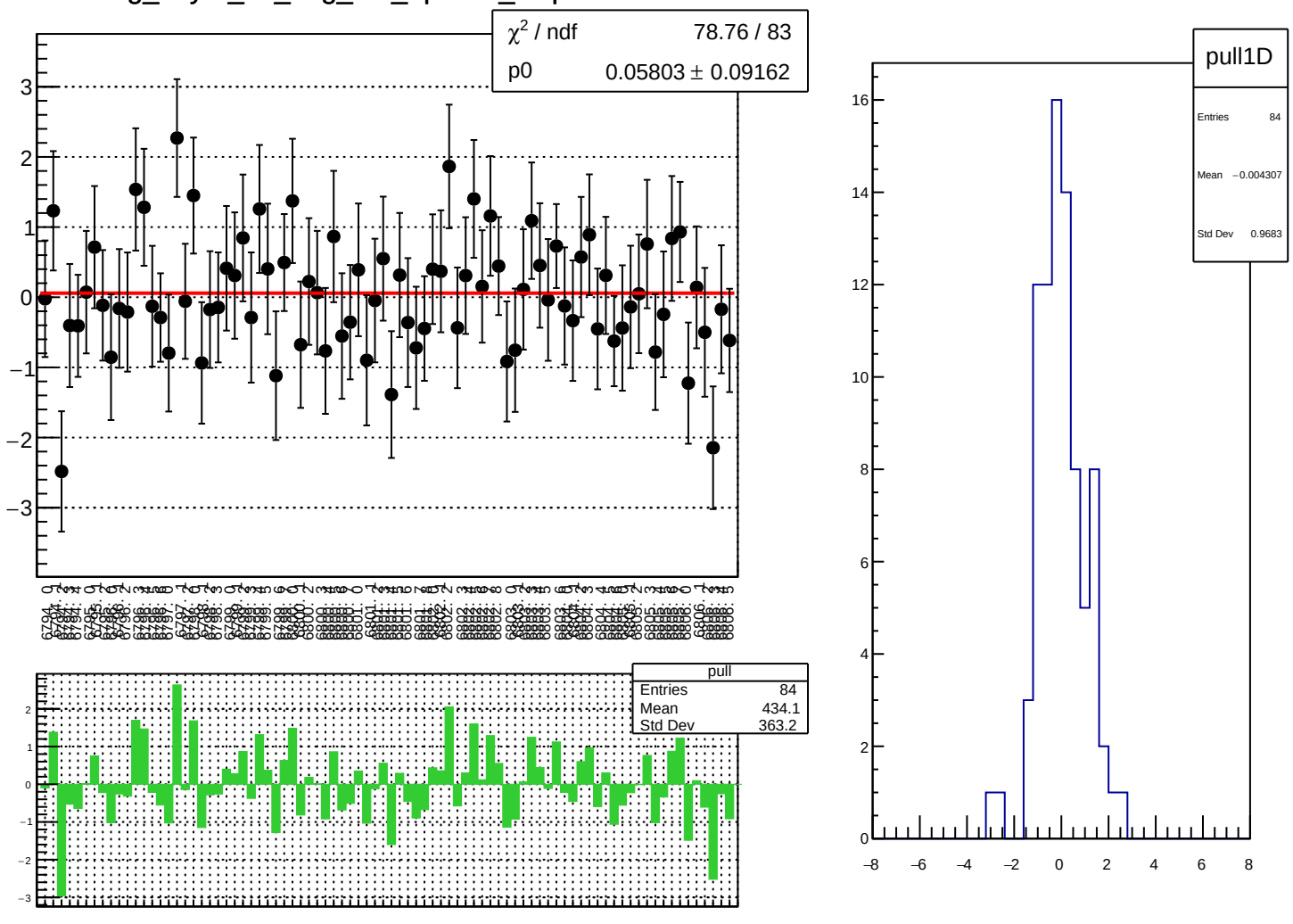

pull1D
Entries 84
Mean 0.004766
Std Dev 0.8616

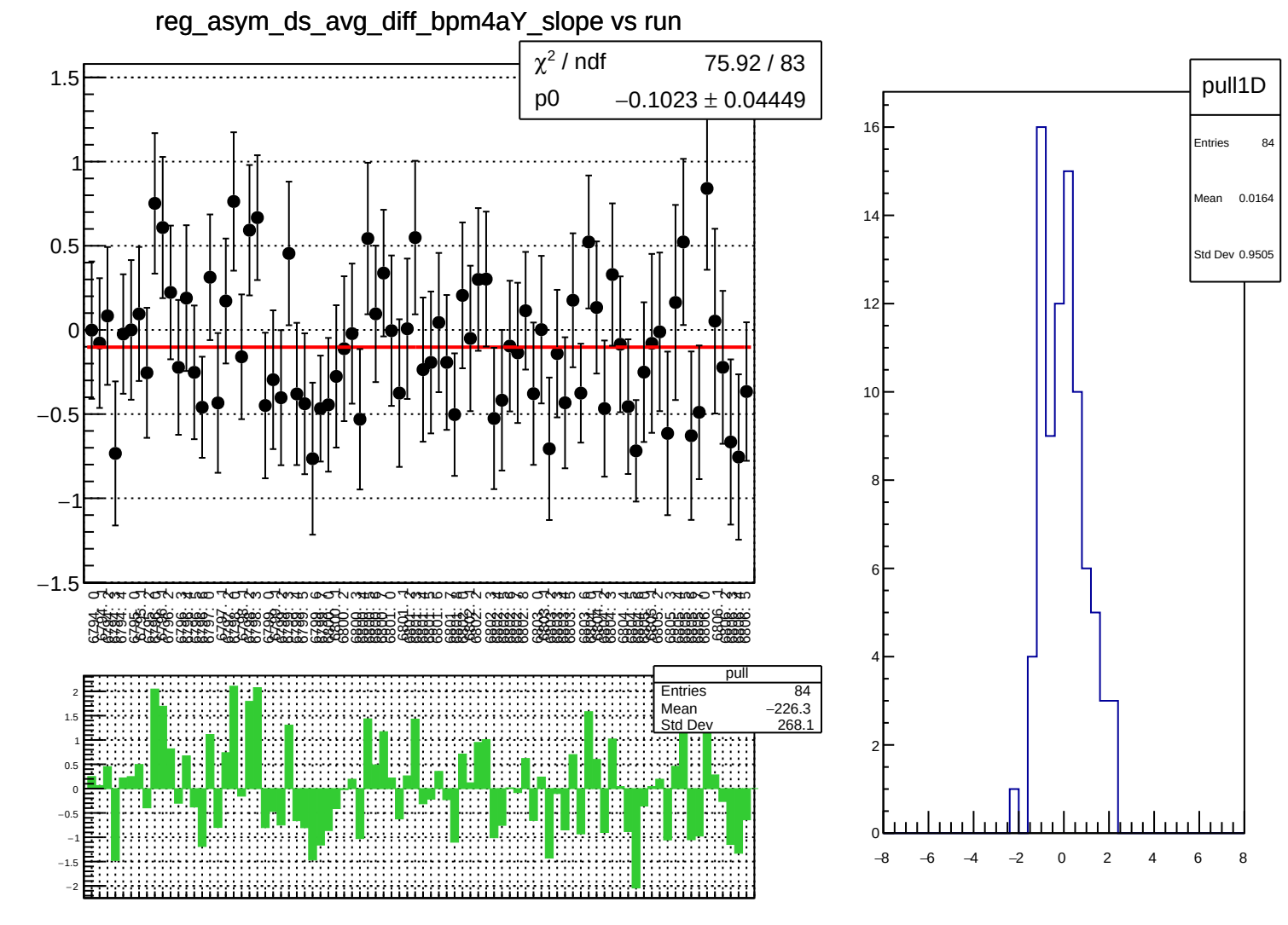

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 50.12 / 83
p0 3.335 ± 0.7035
pull
Entries 84
Mean 149.3
Std Dev 104.7

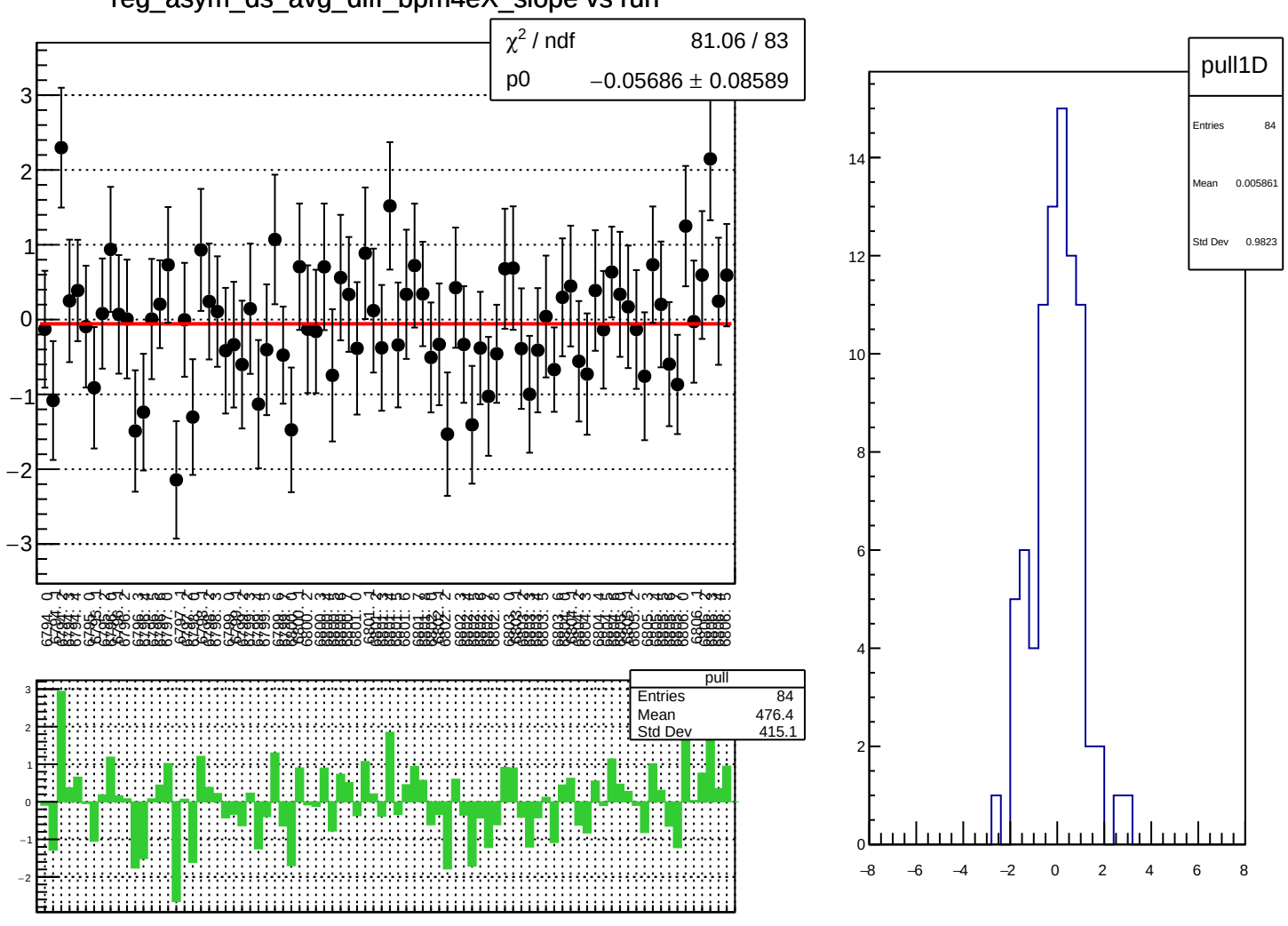

pull1D
Entries 84
Mean −0.01237
Std Dev 0.7724

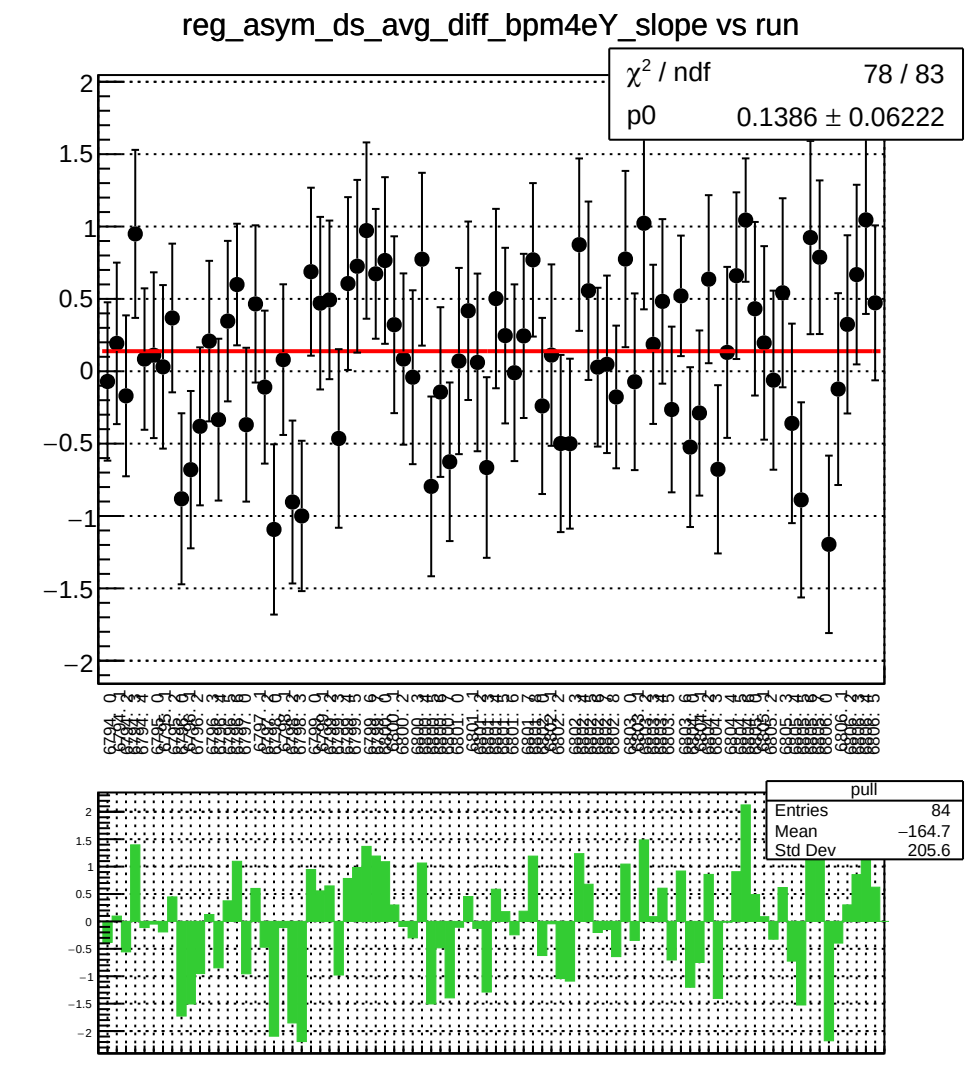

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 81.93 / 83
p0 −0.882 ± 0.04154
pull
Entries 84
Mean 275.6
Std Dev 211.5

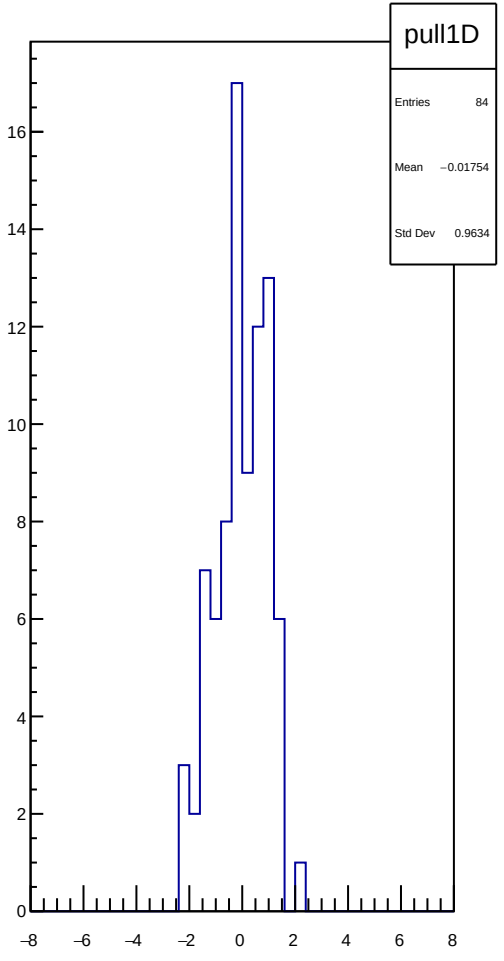

pull1D
Entries 84
Mean 0.01038
Std Dev 0.9875

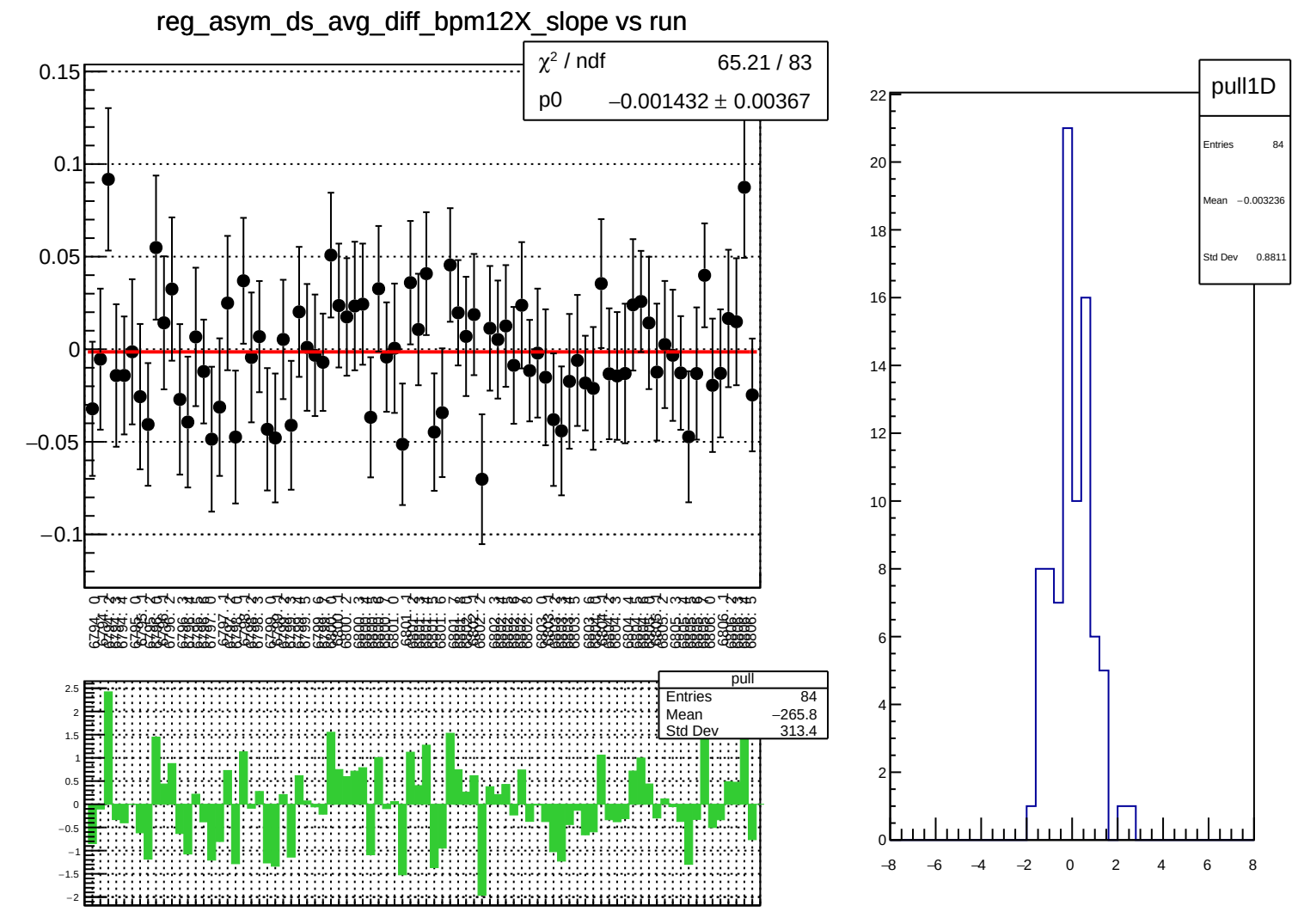

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 78.76 / 83
p0 0.05803 ± 0.09162
pull
Entries 84
Mean 434.1
Std Dev 363.2
pull1D
Entries 84
Mean −0.004307
Std Dev 0.9683

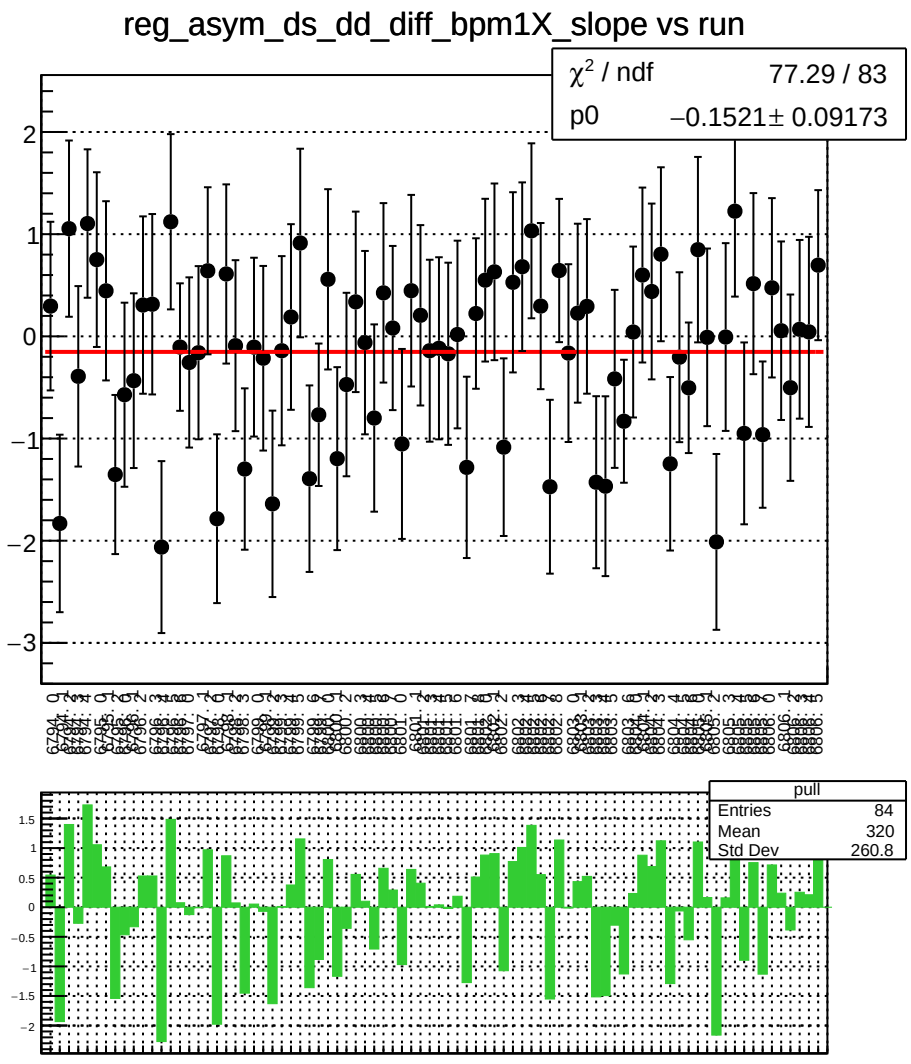

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 75.92 / 83
p0 −0.1023 ± 0.04449
pull
Entries 84
Mean −226.3
Std Dev 268.1
pull1D
Entries 84
Mean 0.0164
Std Dev 0.9505

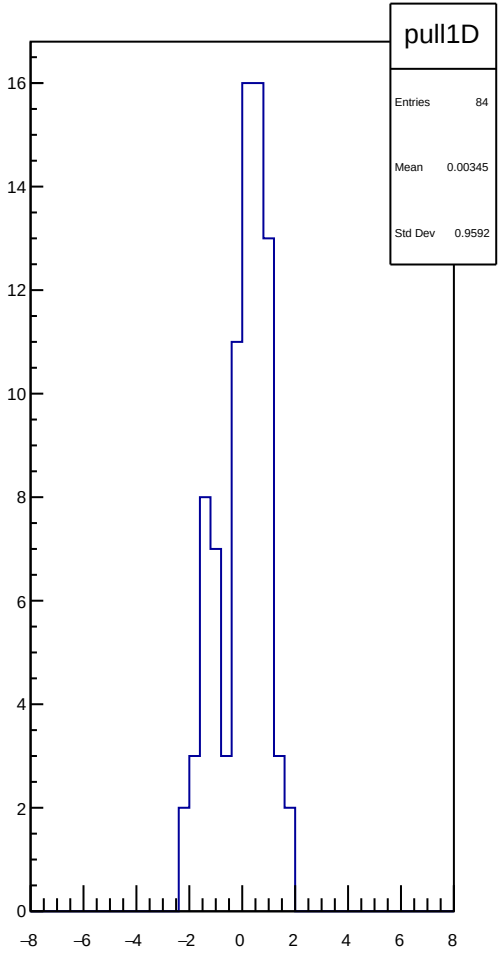

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 81.06 / 83
p0 −0.05686 ± 0.08589
pull
Entries 84
Mean 476.4
Std Dev 415.1
pull1D
Entries 84
Mean 0.005861
Std Dev 0.9823

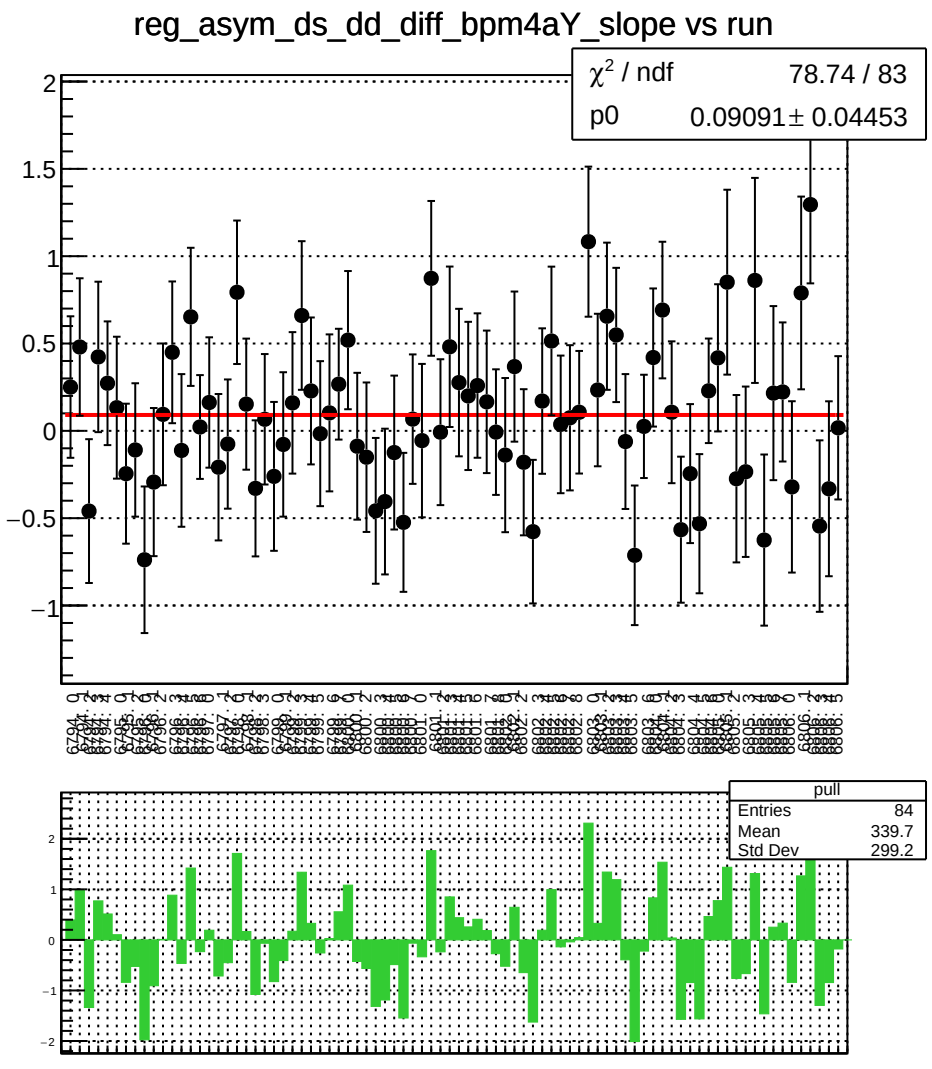

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 78 / 83
p0 0.1386 ± 0.06222
pull
Entries 84
Mean −164.7
Std Dev 205.6

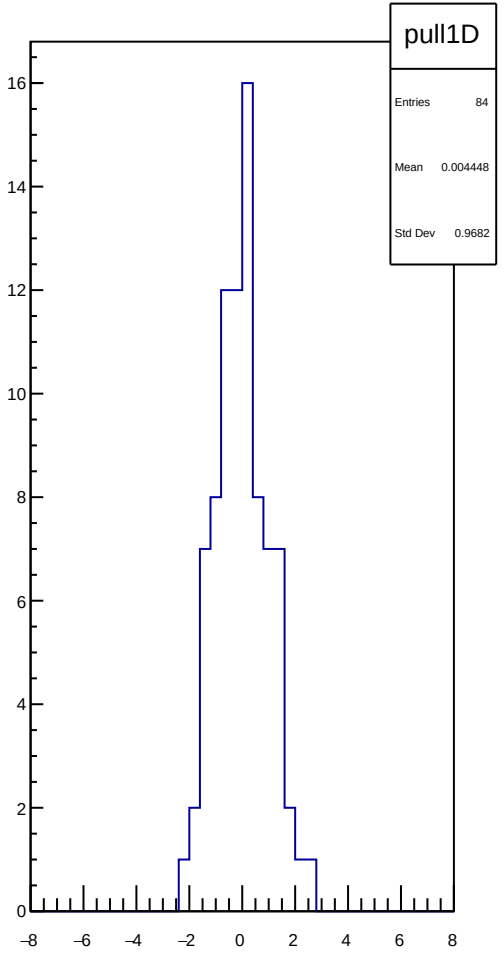

pull1D
Entries 84
Mean −0.01754
Std Dev 0.9634

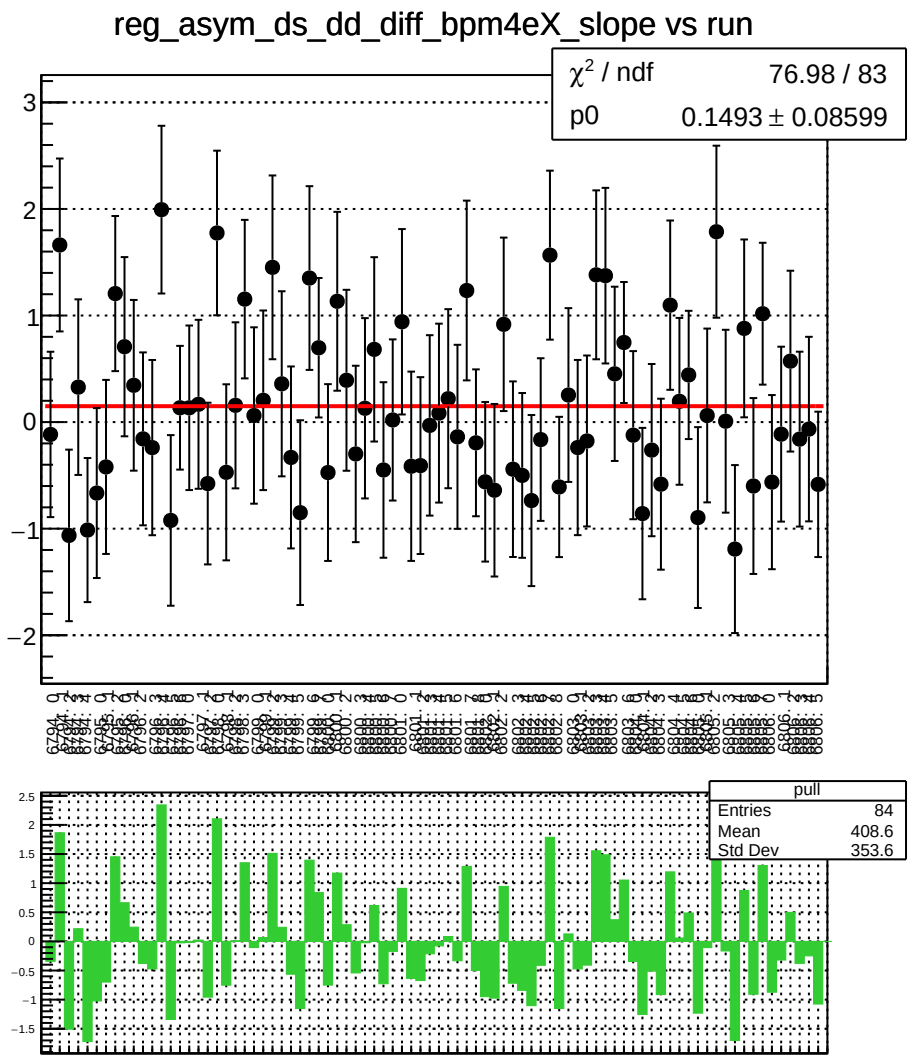

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 65.21 / 83
p0 −0.001432 ± 0.00367
pull
Entries 84
Mean −265.8
Std Dev 313.4
pull1D
Entries 84
Mean −0.003236
Std Dev 0.8811

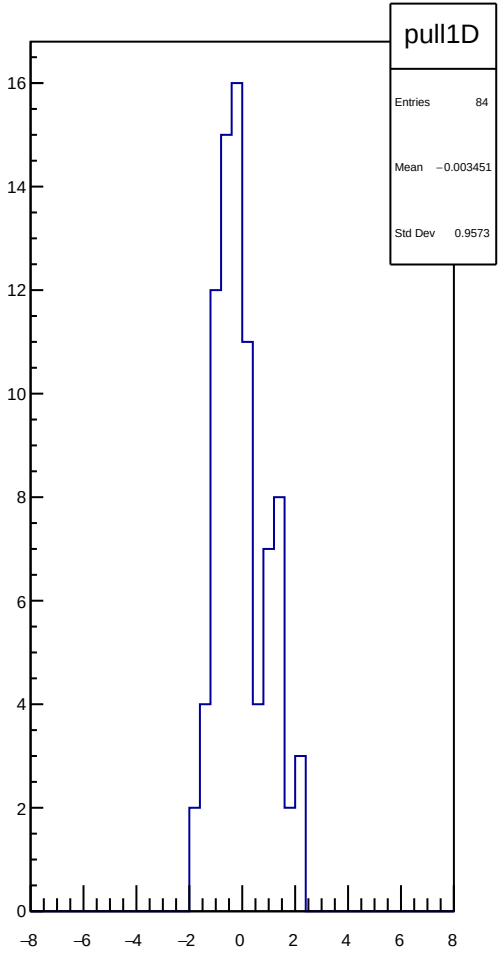

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 77.29 / 83
p0 −0.1521± 0.09173
pull
Entries 84
Mean 320
Std Dev 260.8

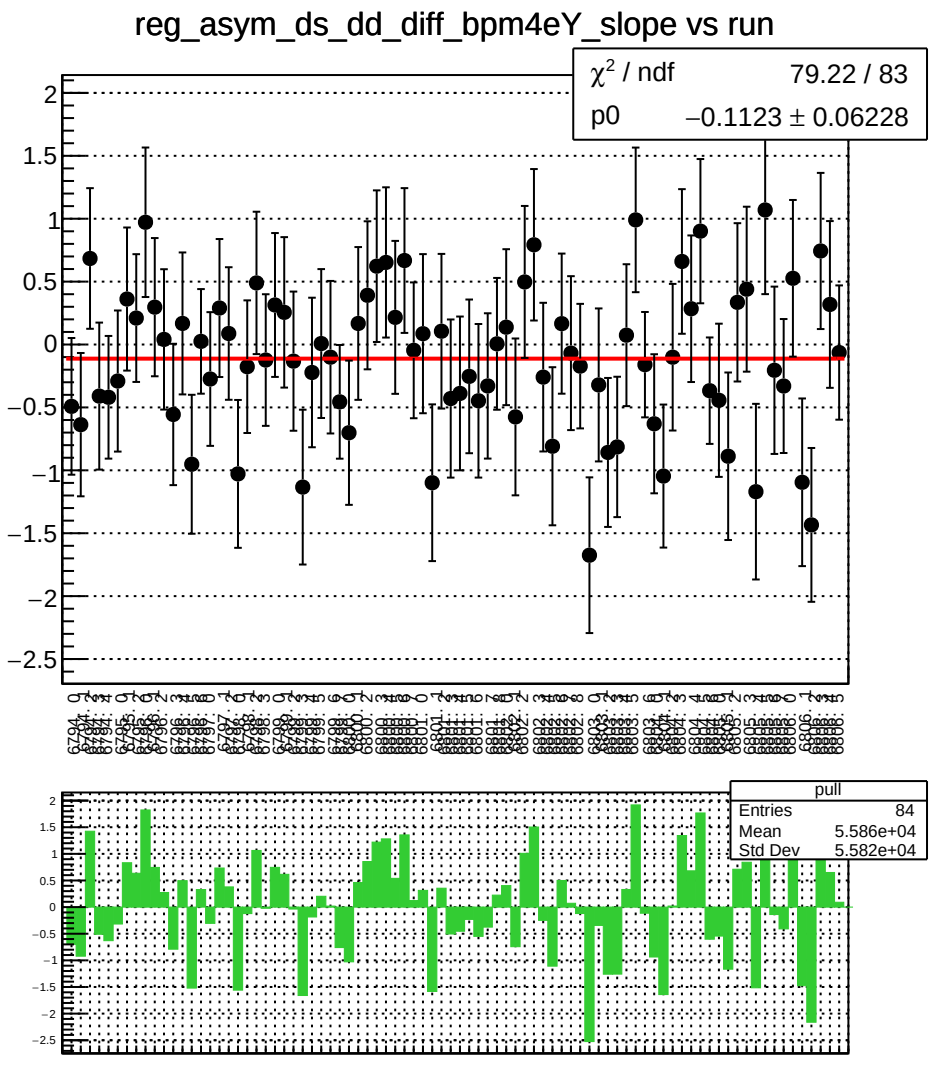

pull1D
Entries 84
Mean 0.00345
Std Dev 0.9592

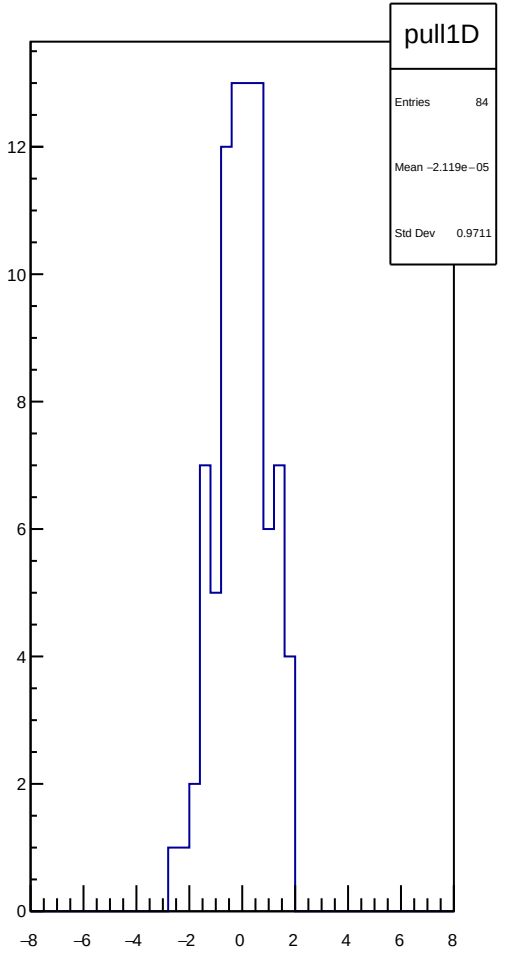

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 78.74 / 83
p0 0.09091 ± 0.04453
pull
Entries 84
Mean 339.7
Std Dev 299.2

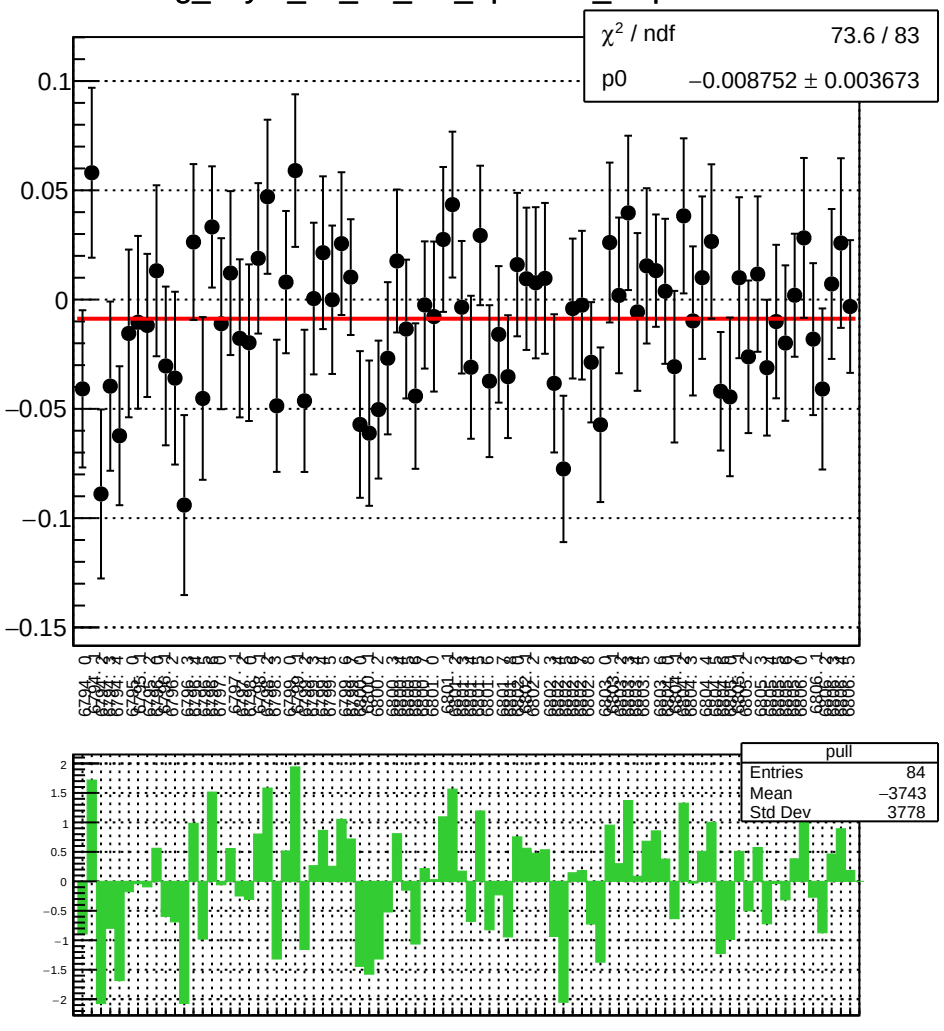

pull1D
Entries 84
Mean 0.004448
Std Dev 0.9682

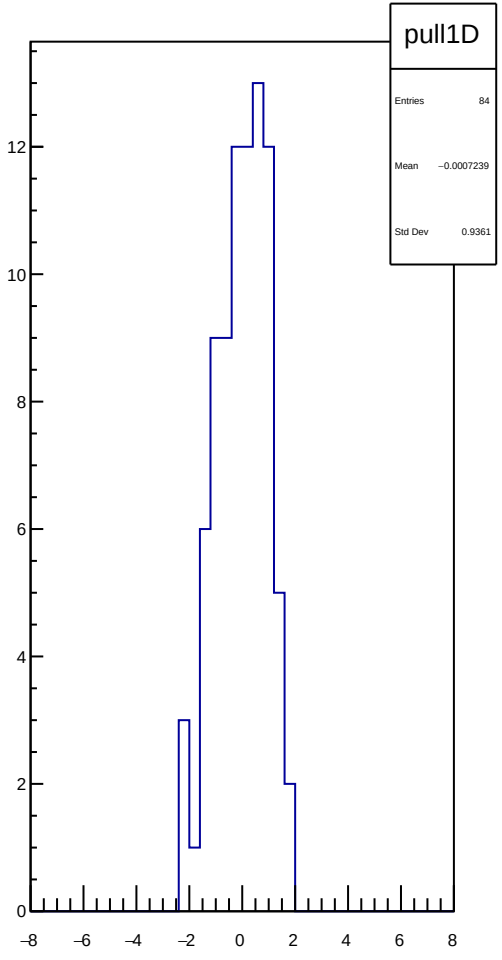

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 76.98 / 83
p0 0.1493 ± 0.08599
pull
Entries 84
Mean 408.6
Std Dev 353.6

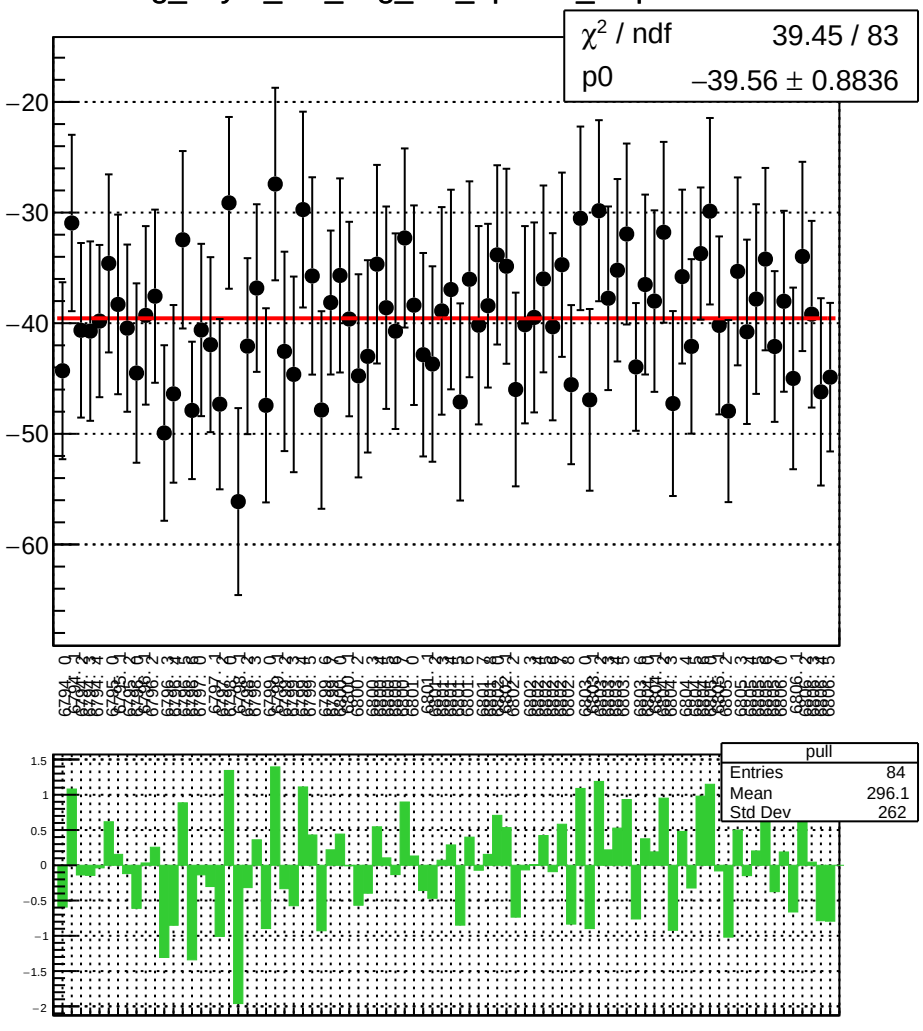

pull1D
Entries 84
Mean −0.003451
Std Dev 0.9573

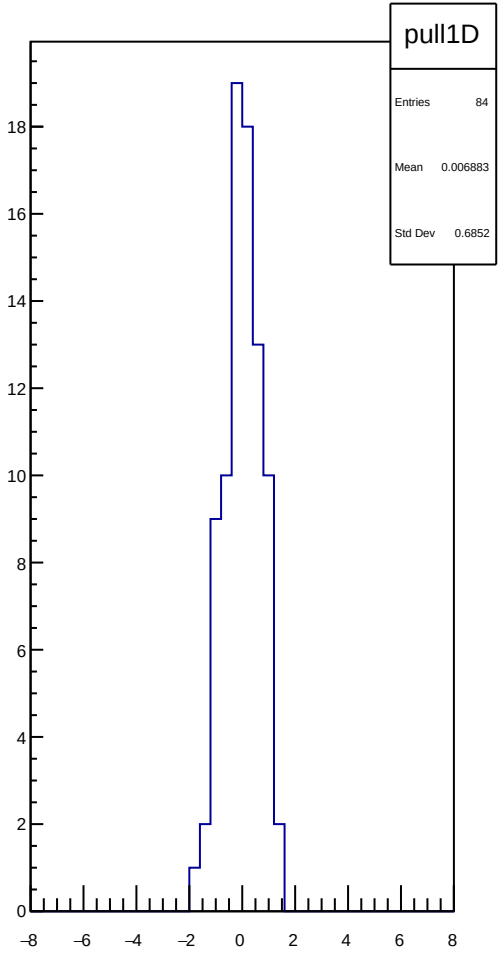

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 79.22 / 83
p0 −0.1123 ± 0.06228
pull
Entries 84
Mean 5.586e+04
Std Dev 5.582e+04

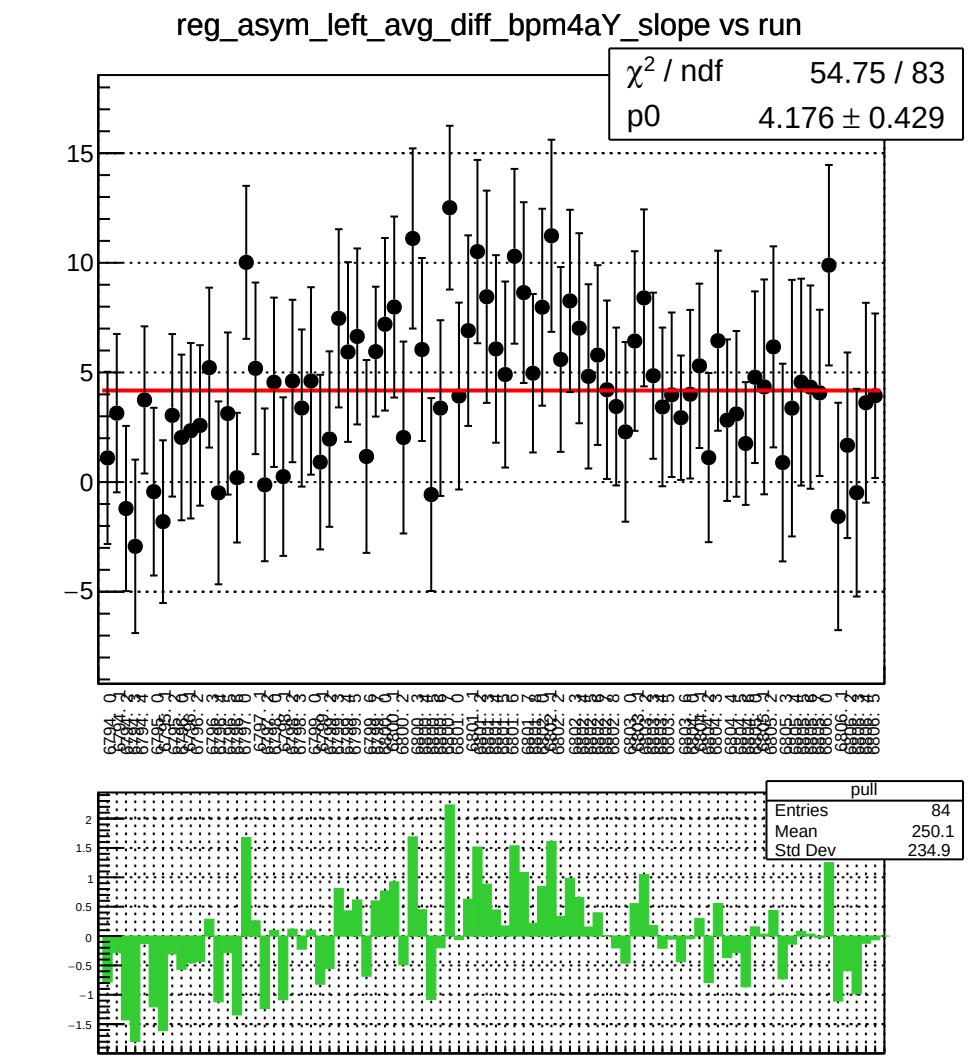

pull1D
Entries 84
Mean −2.119e−05
Std Dev 0.9711

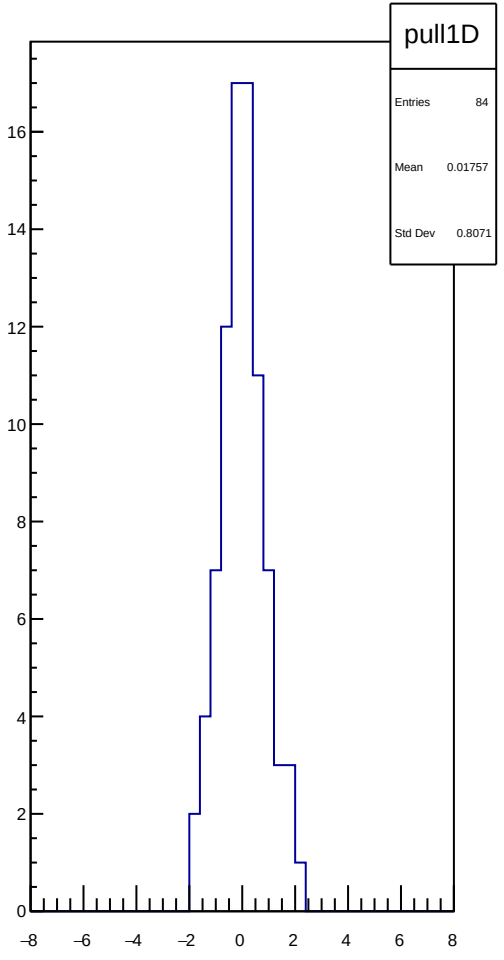

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 73.6 / 83
p0 −0.008752 ± 0.003673
pull
Entries 84
Mean −3743
Std Dev 3778

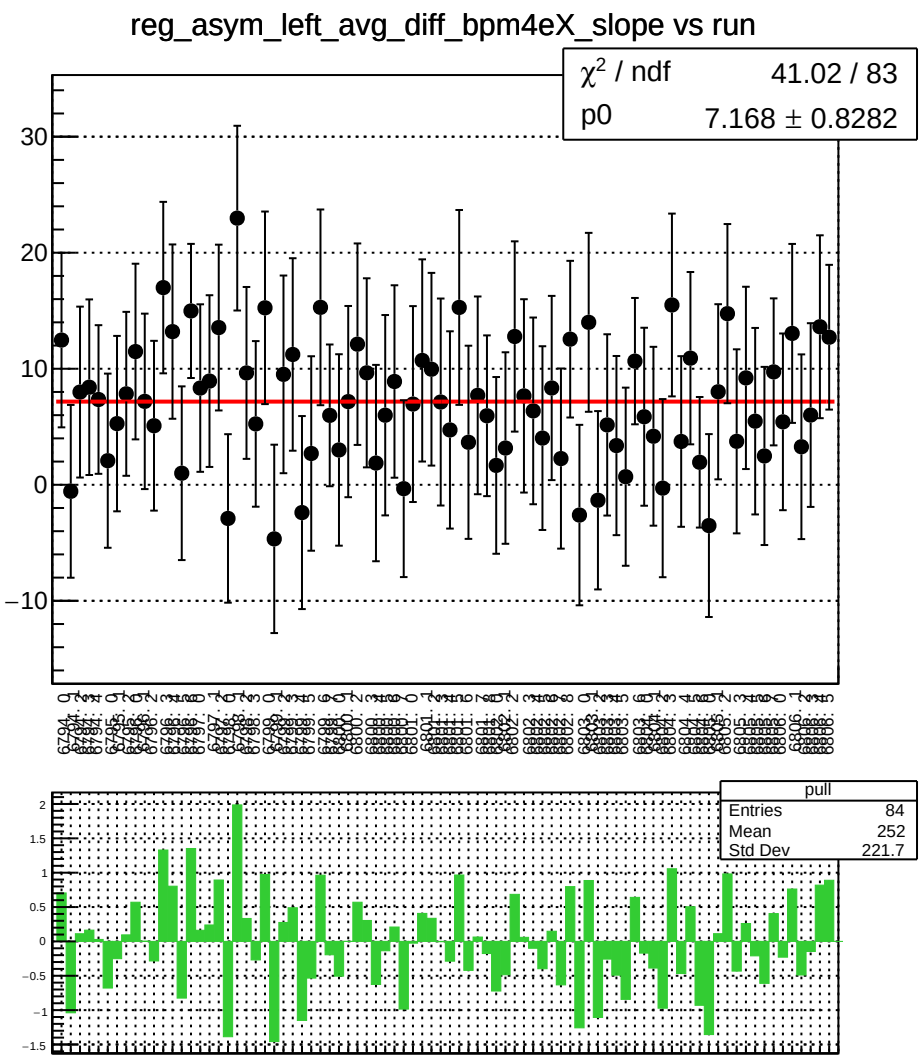

pull1D
Entries 84
Mean −0.0007239
Std Dev 0.9361

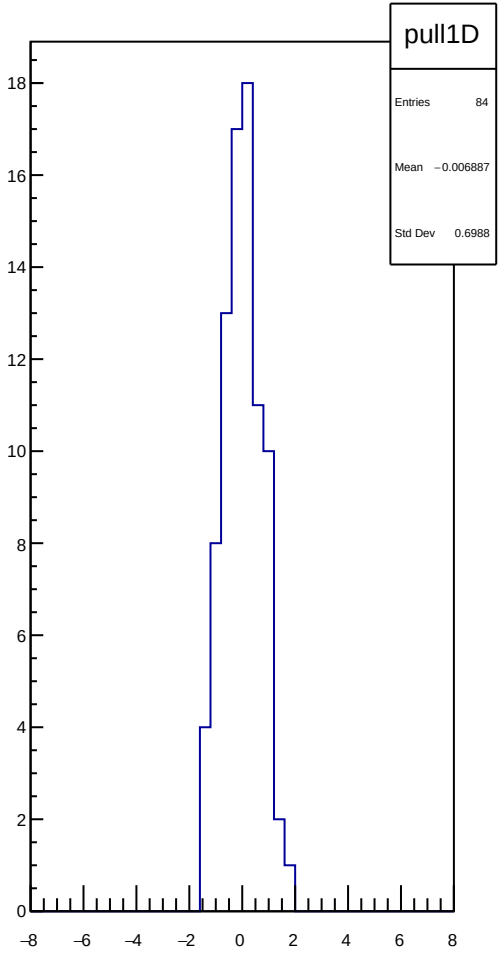

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 39.45 / 83
p0 −39.56 ± 0.8836
pull
Entries 84
Mean 296.1
Std Dev 262

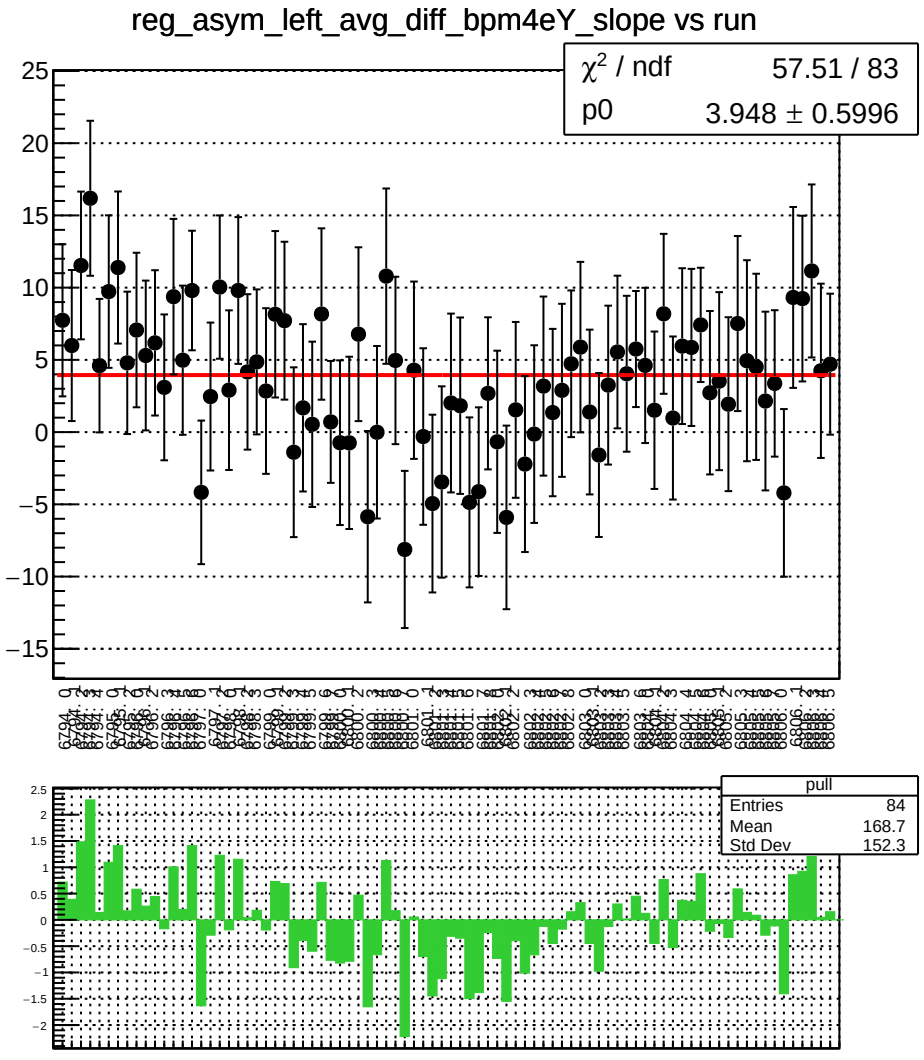

pull1D
Entries 84
Mean 0.006883
Std Dev 0.6852

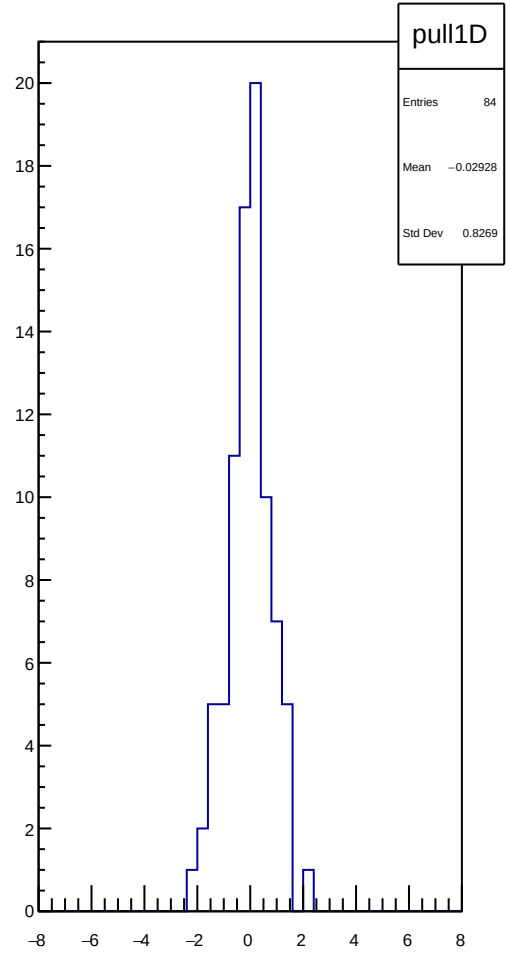

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 54.75 / 83
p0 4.176 ± 0.429
pull
Entries 84
Mean 250.1
Std Dev 234.9

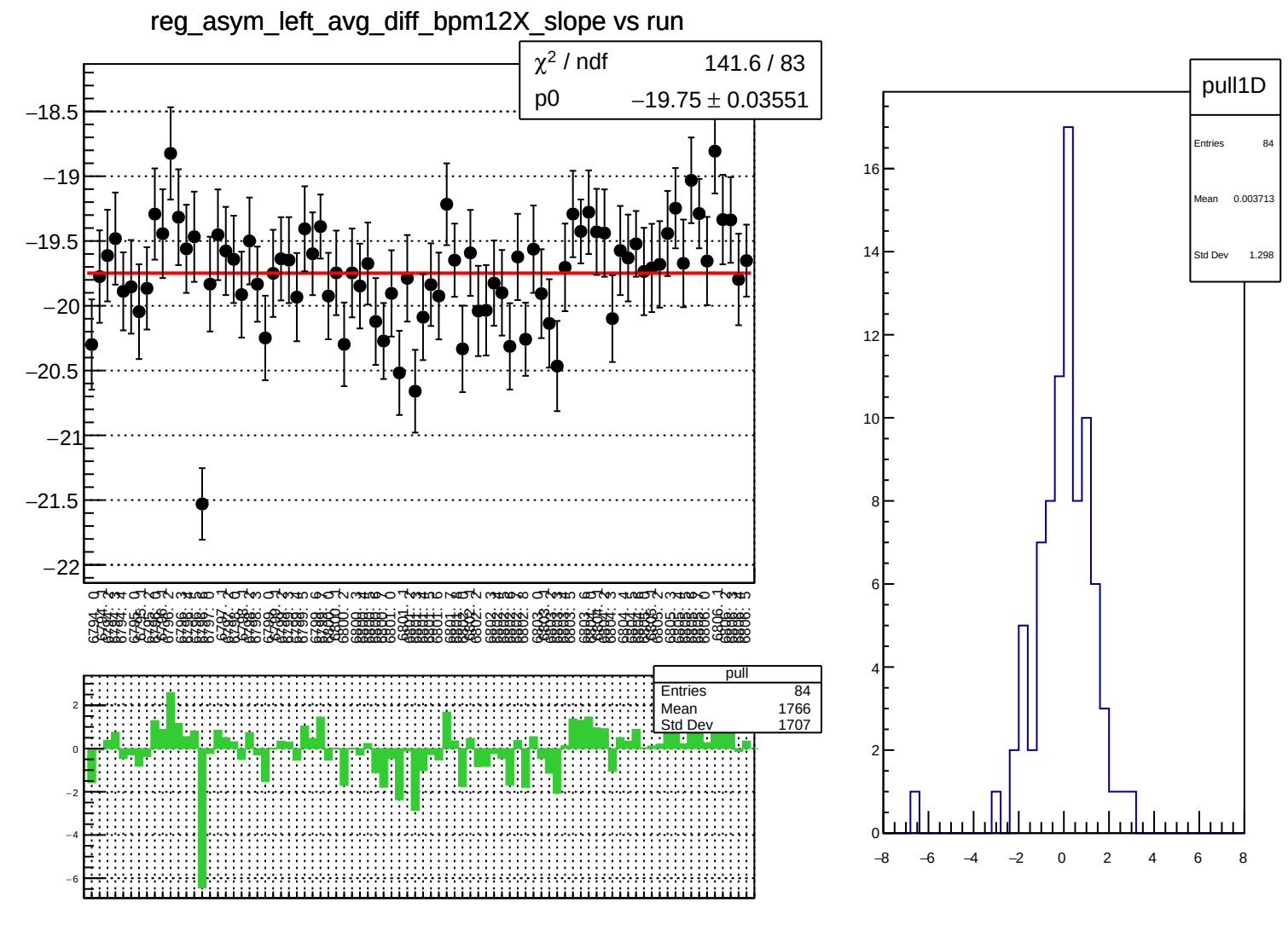

pull1D
Entries 84
Mean 0.01757
Std Dev 0.8071

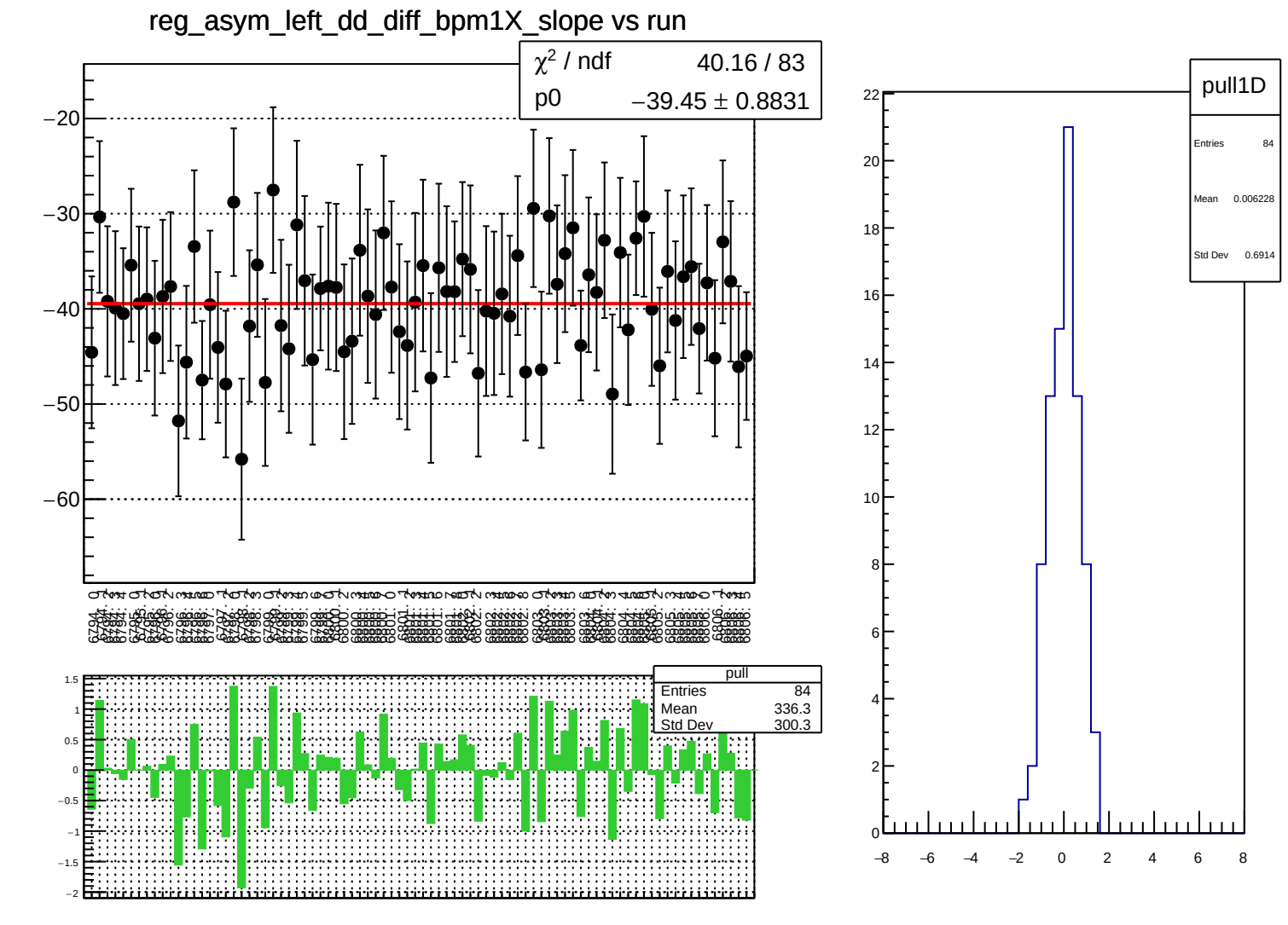

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 41.02 / 83
p0 7.168 ± 0.8282
pull
Entries 84
Mean 252
Std Dev 221.7

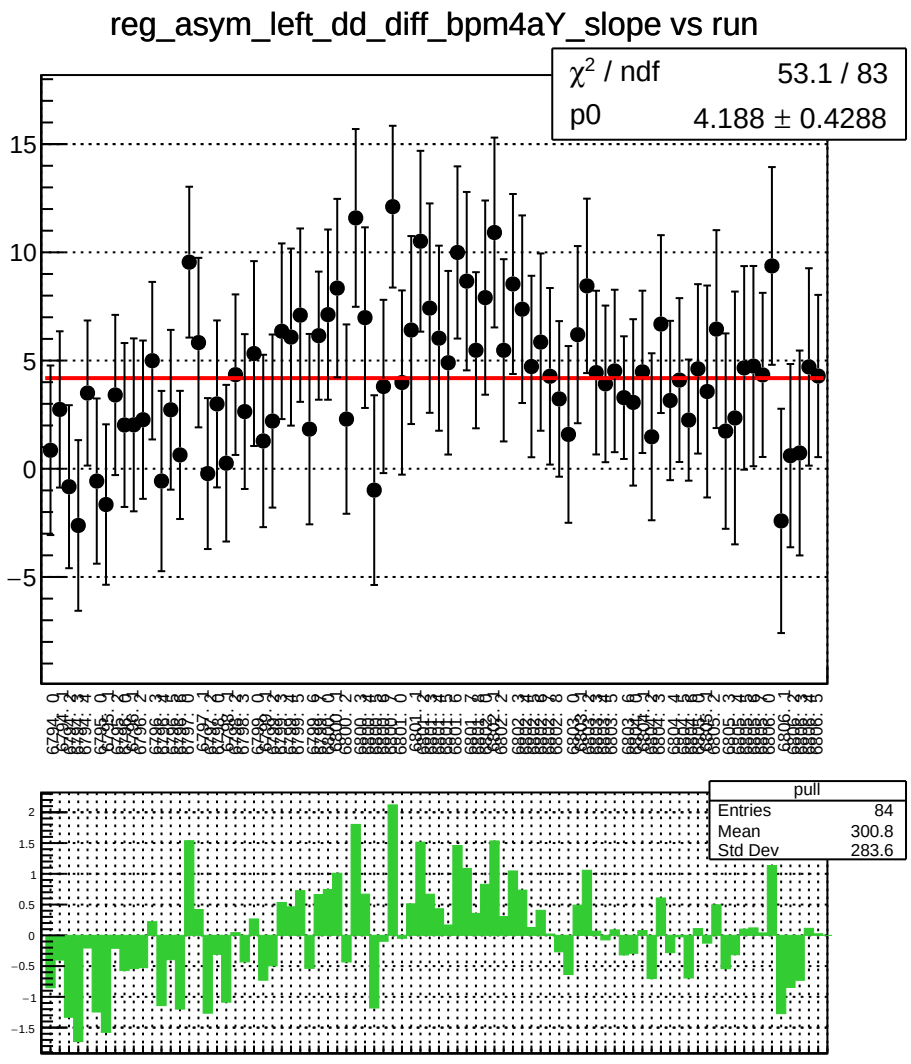

pull1D
Entries 84
Mean −0.006887
Std Dev 0.6988

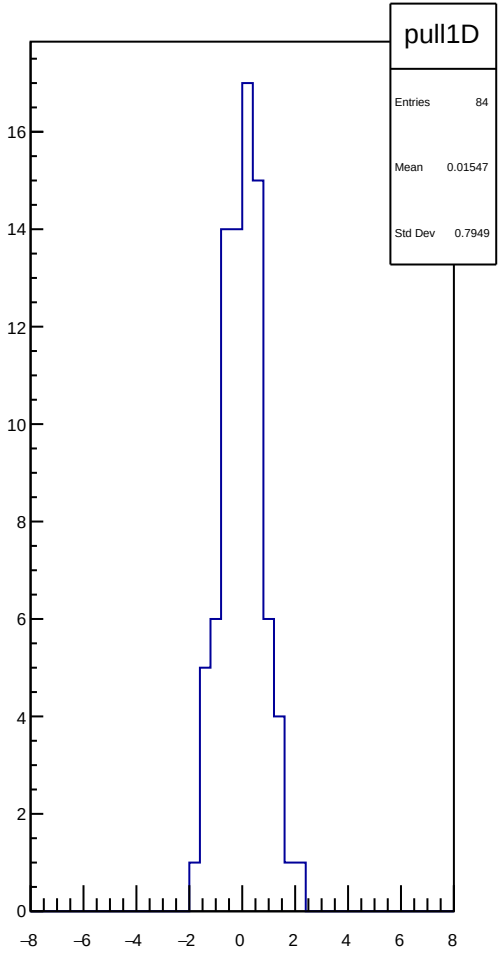

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 57.51 / 83
p0 3.948 ± 0.5996
pull
Entries 84
Mean 168.7
Std Dev 152.3

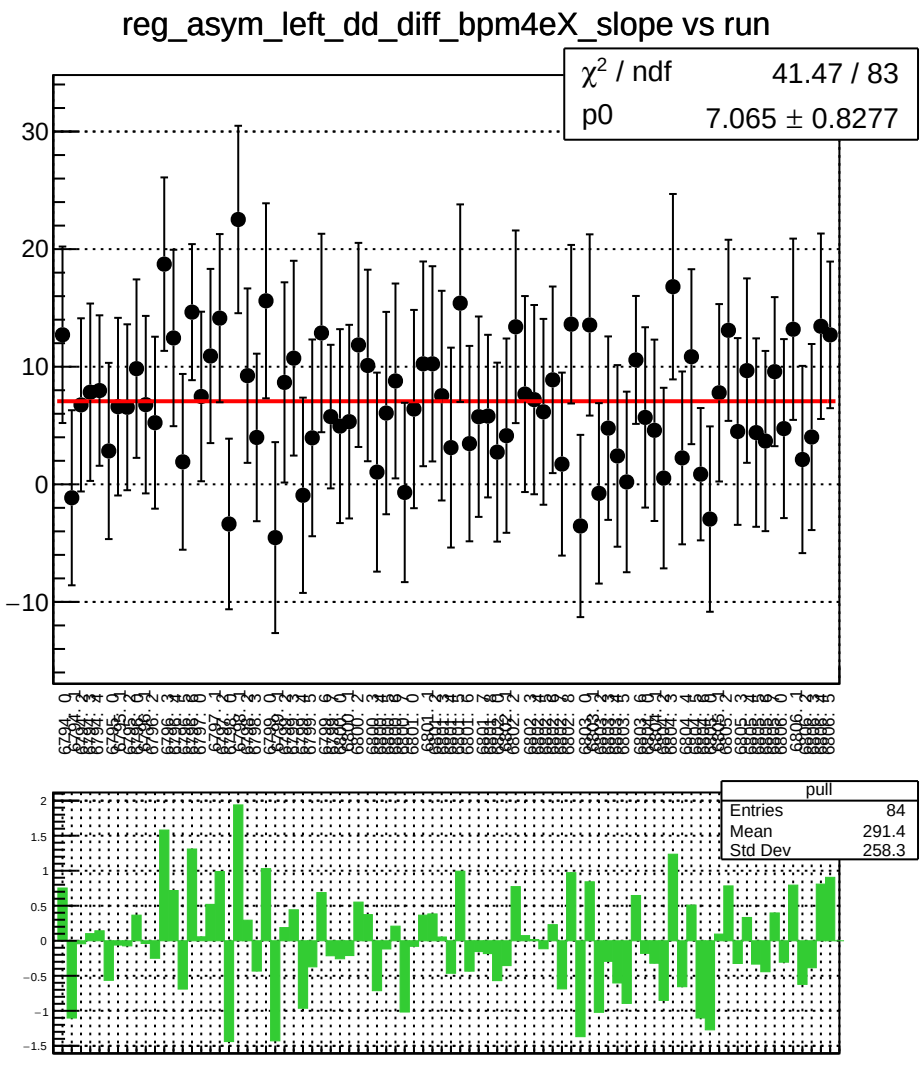

pull1D
Entries 84
Mean −0.02928
Std Dev 0.8269

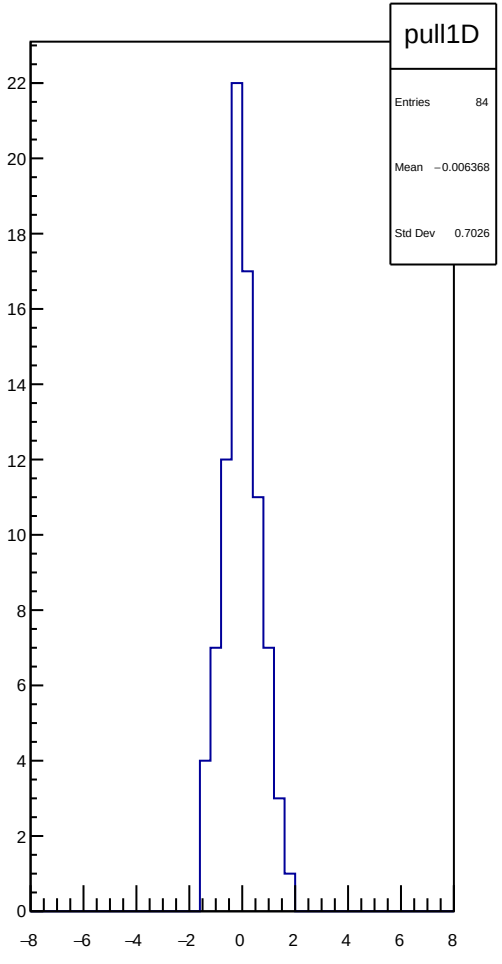

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 141.6 / 83
p0 −19.75 ± 0.03551
−18.5
−19
−19.5
−20
−20.5
−21
−21.5
−22
pull
Entries 84
Mean 1766
Std Dev 1707
2
0
−2
−4
−6
pull1D
Entries 84
Mean 0.003713
Std Dev 1.298
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

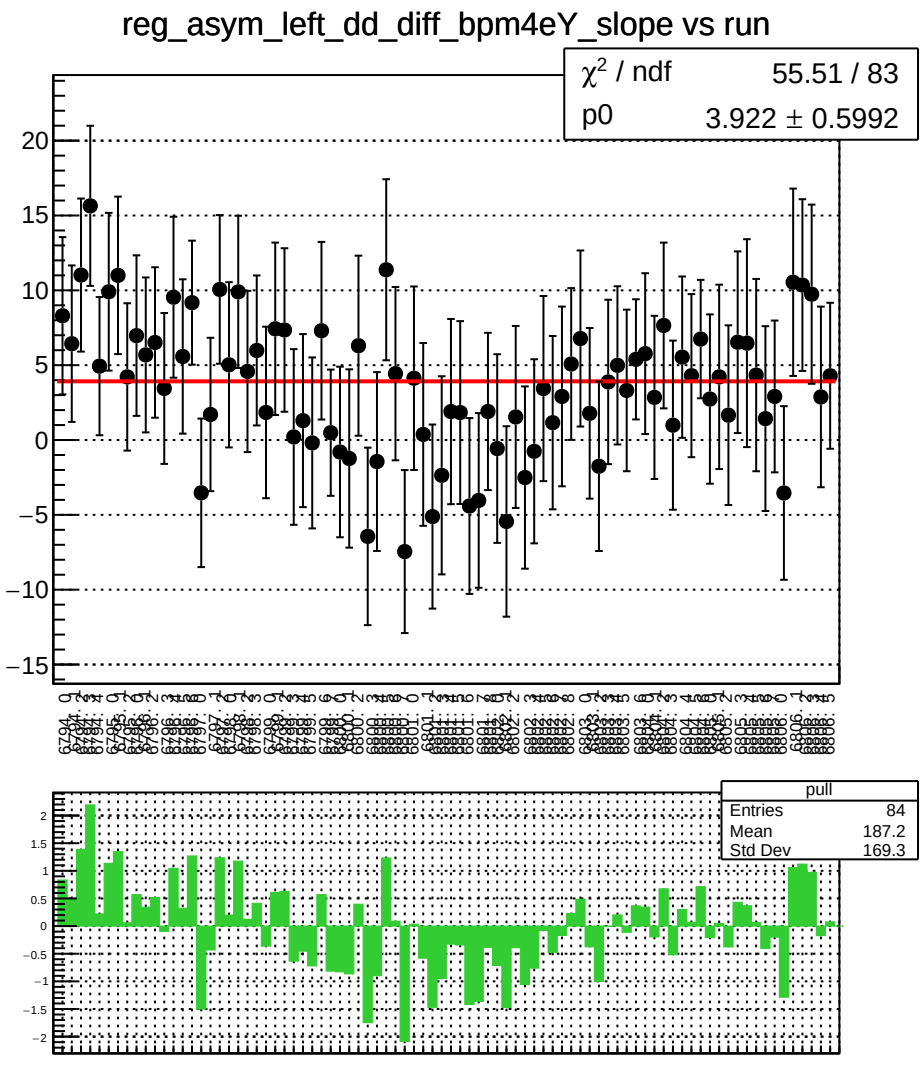

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 40.16 / 83
p0 −39.45 ± 0.8831
pull
Entries 84
Mean 336.3
Std Dev 300.3
pull1D
Entries 84
Mean 0.006228
Std Dev 0.6914

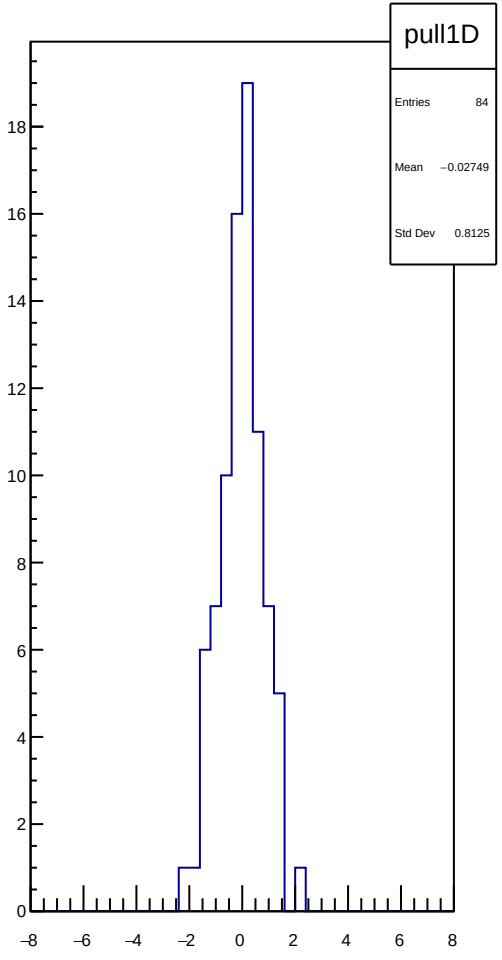

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 53.1 / 83
p0 4.188 ± 0.4288
pull
Entries 84
Mean 300.8
Std Dev 283.6

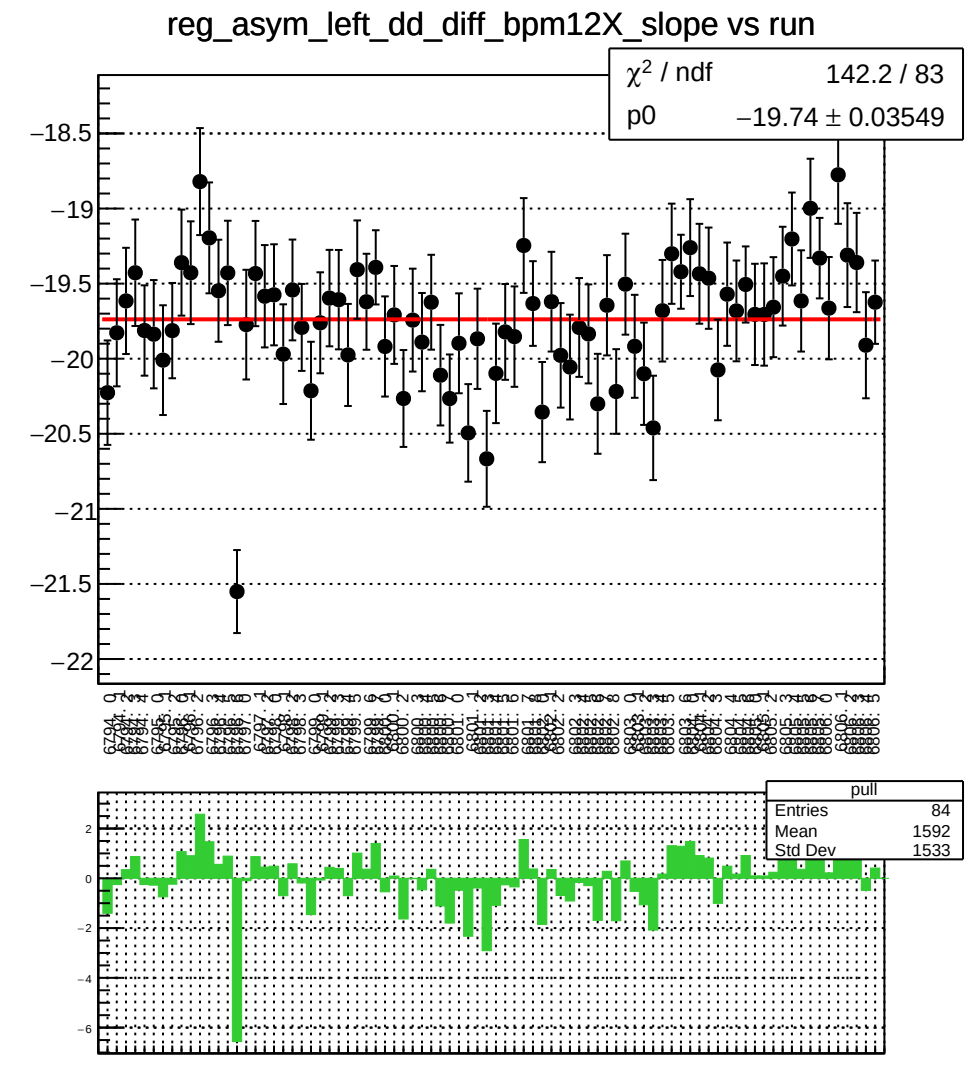

pull1D
Entries 84
Mean 0.01547
Std Dev 0.7949

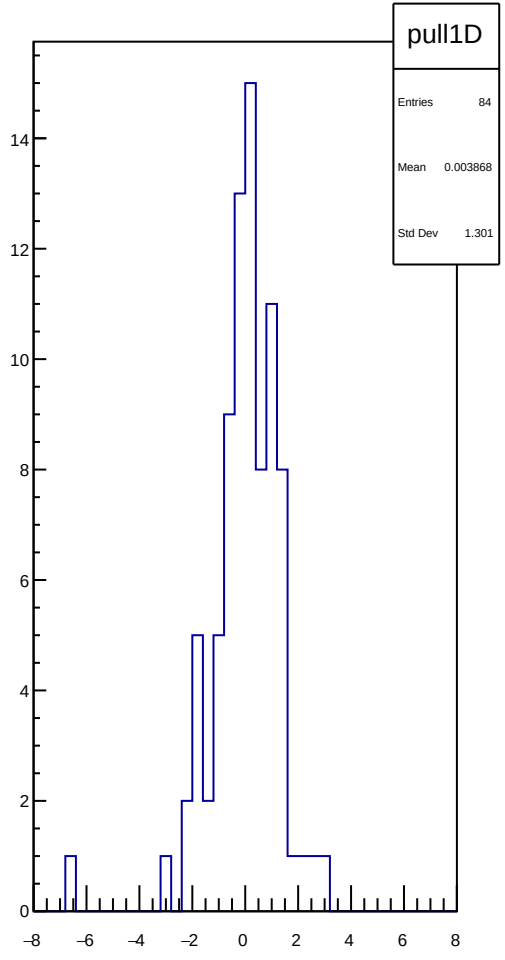

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 41.47 / 83
p0 7.065 ± 0.8277
pull
Entries 84
Mean 291.4
Std Dev 258.3

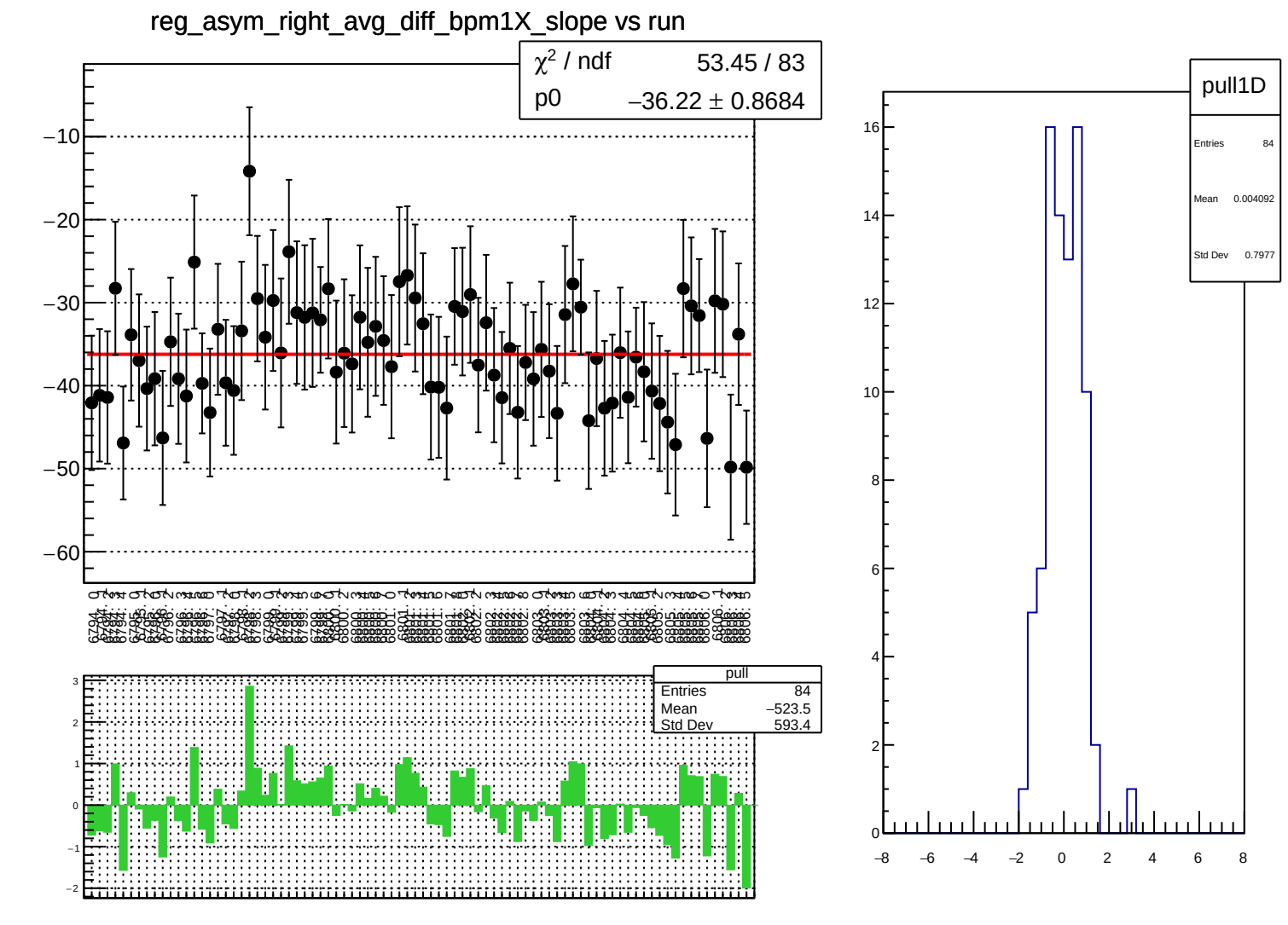

pull1D
Entries 84
Mean −0.006368
Std Dev 0.7026

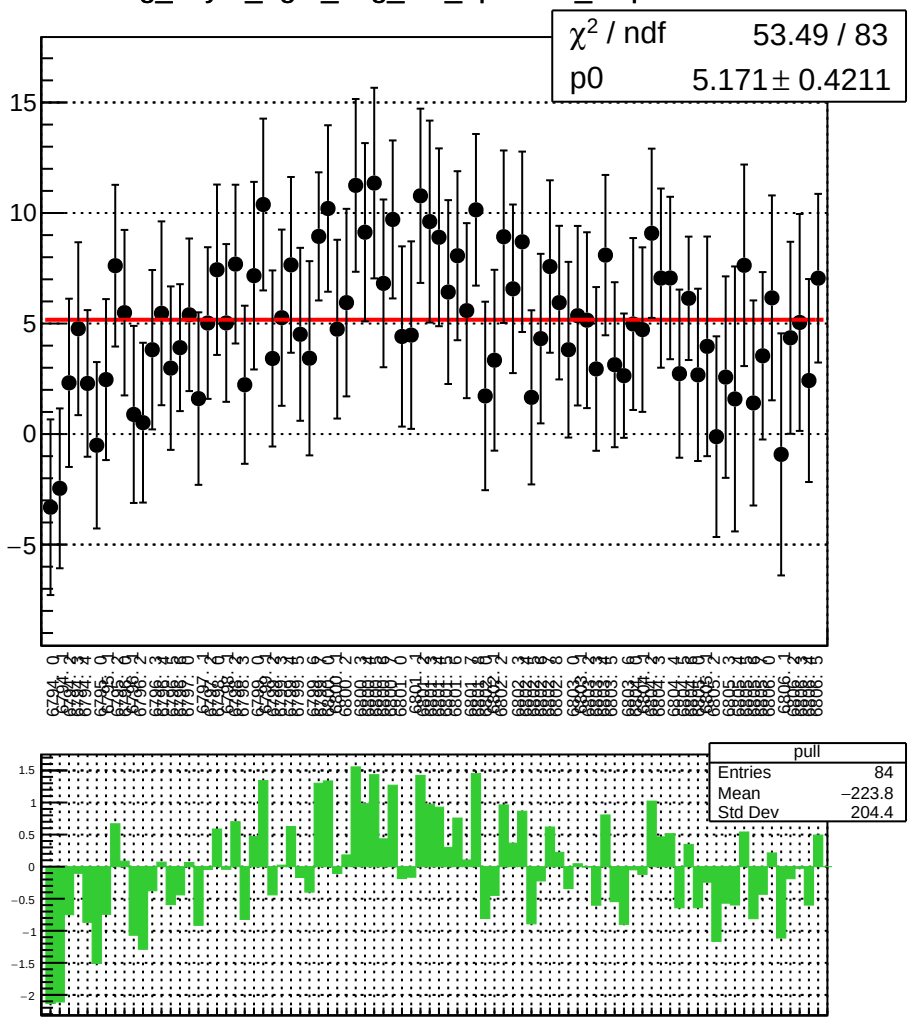

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 55.51 / 83
p0 3.922 ± 0.5992
pull
Entries 84
Mean 187.2
Std Dev 169.3

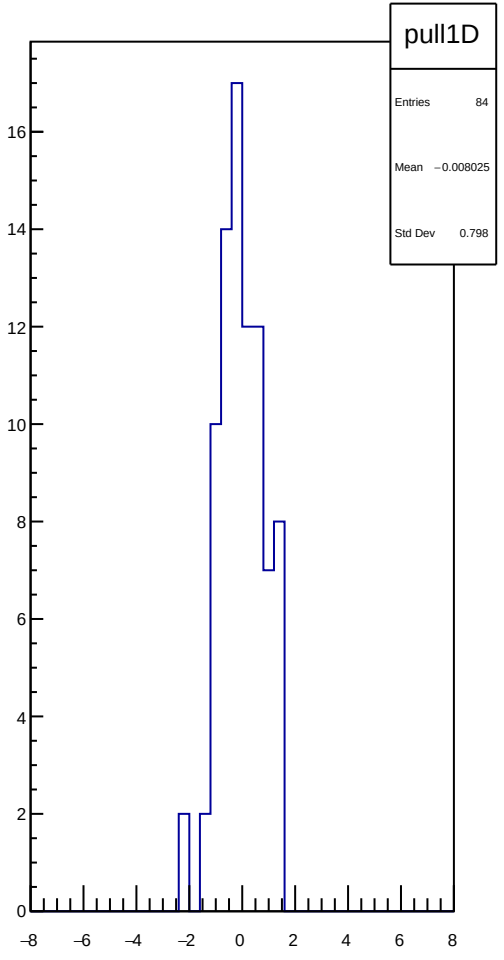

pull1D
Entries 84
Mean −0.02749
Std Dev 0.8125

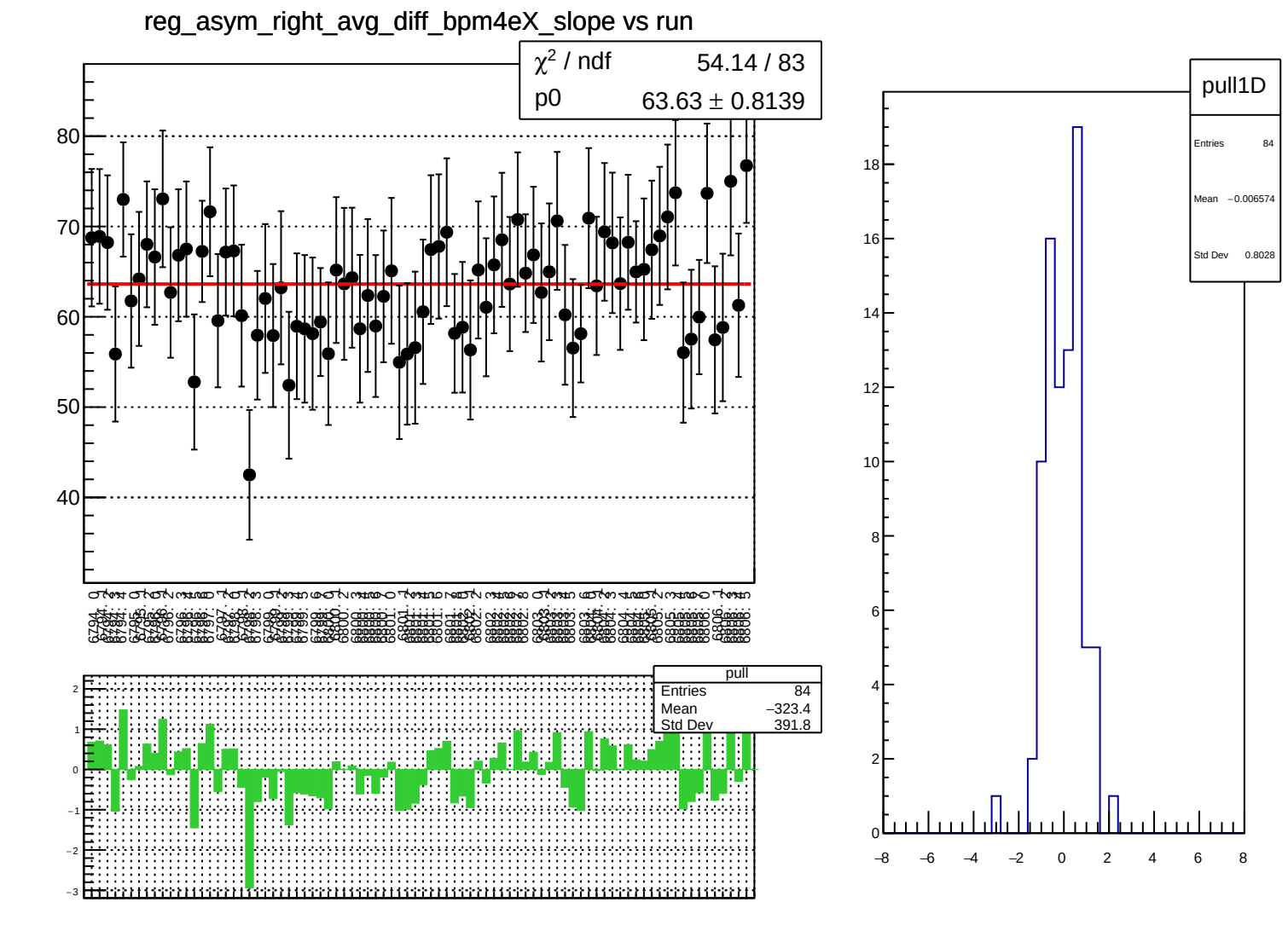

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 142.2 / 83
p0 −19.74 ± 0.03549
−18.5
−19
−19.5
−20
−20.5
−21
−21.5
−22
pull
Entries 84
Mean 1592
Std Dev 1533
2
0
−2
−4
−6

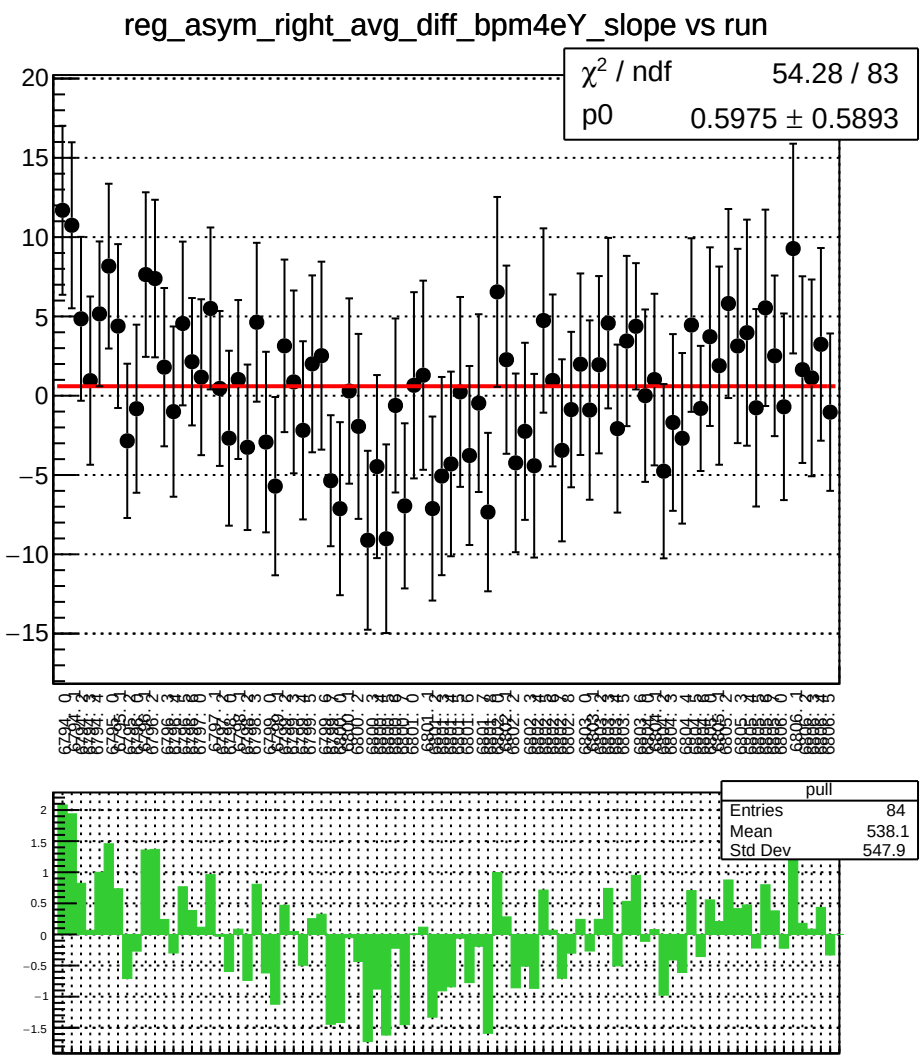

pull1D
Entries 84
Mean 0.003868
Std Dev 1.301
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

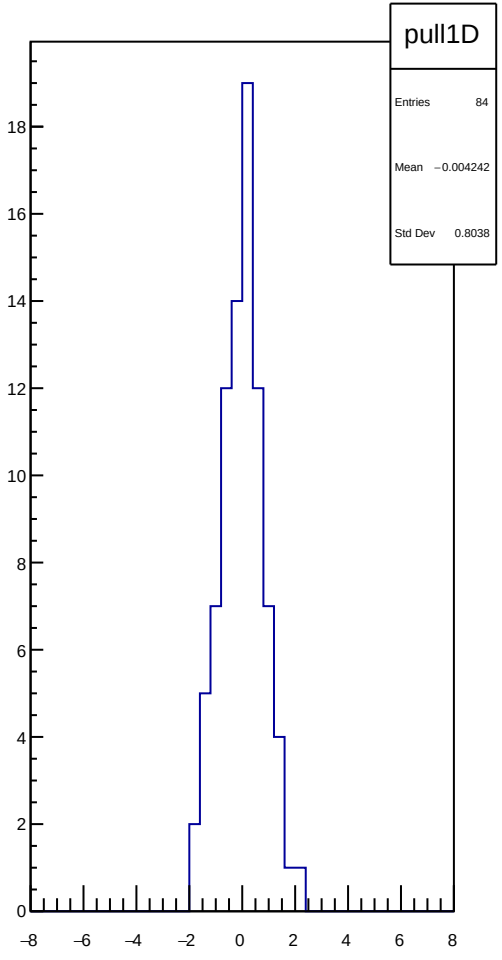

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 53.45 / 83
p0 −36.22 ± 0.8684
pull
Entries 84
Mean −523.5
Std Dev 593.4
pull1D
Entries 84
Mean 0.004092
Std Dev 0.7977

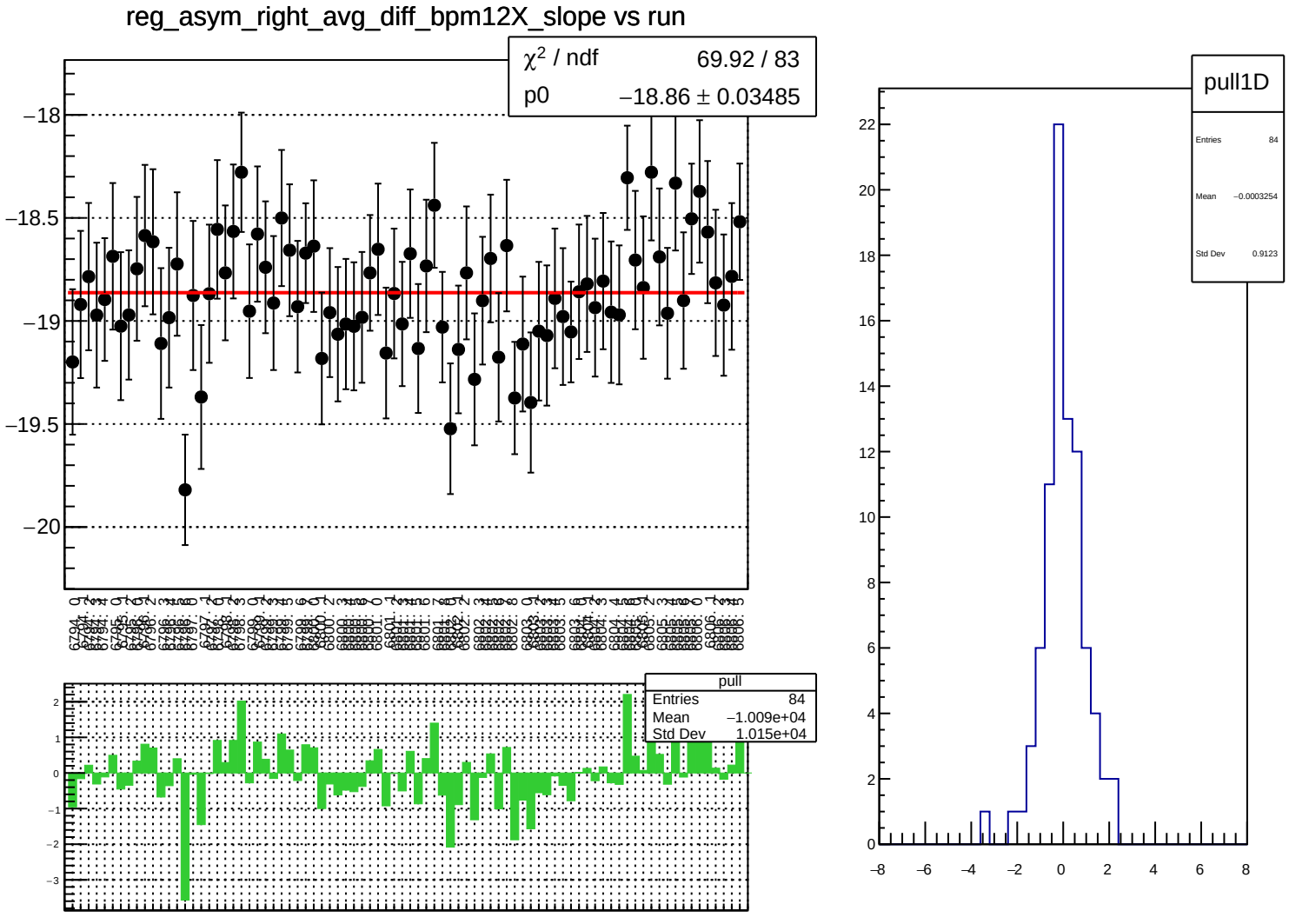

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 53.49 / 83
p0 5.171 ± 0.4211
pull
Entries 84
Mean −223.8
Std Dev 204.4

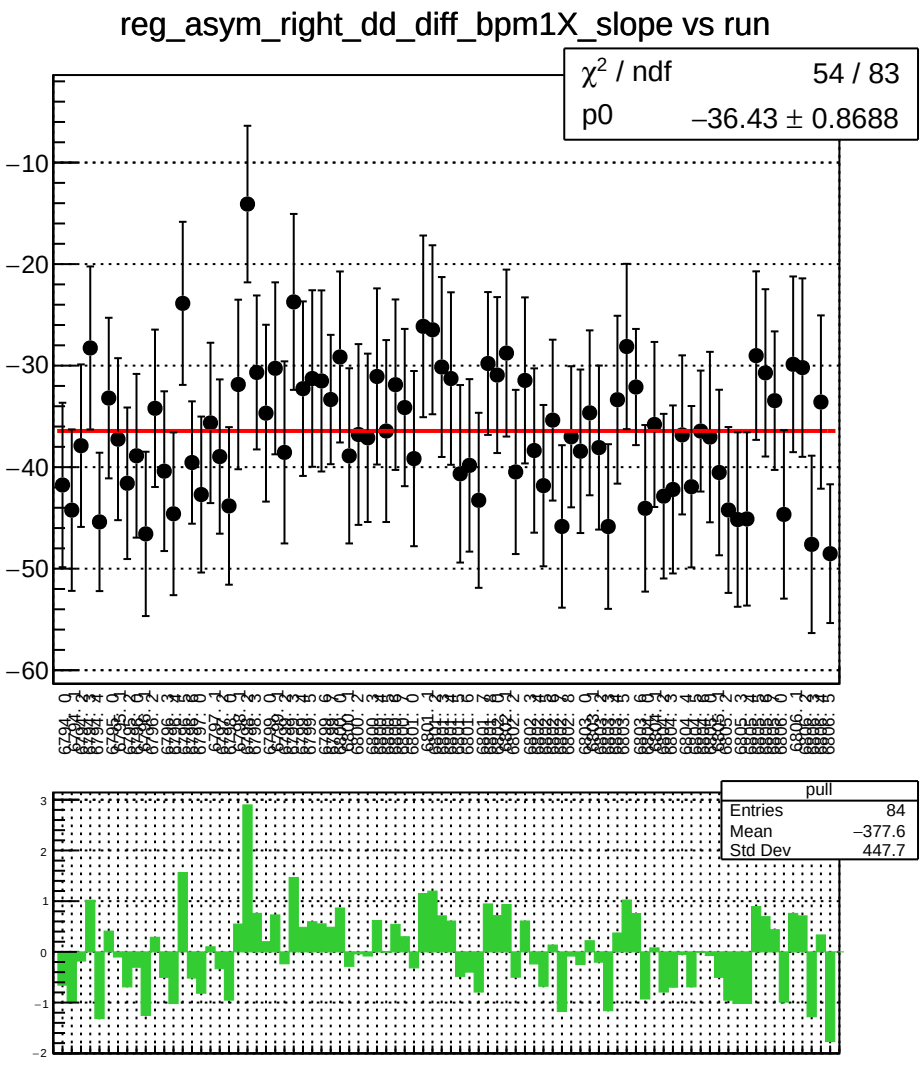

pull1D
Entries 84
Mean −0.008025
Std Dev 0.798

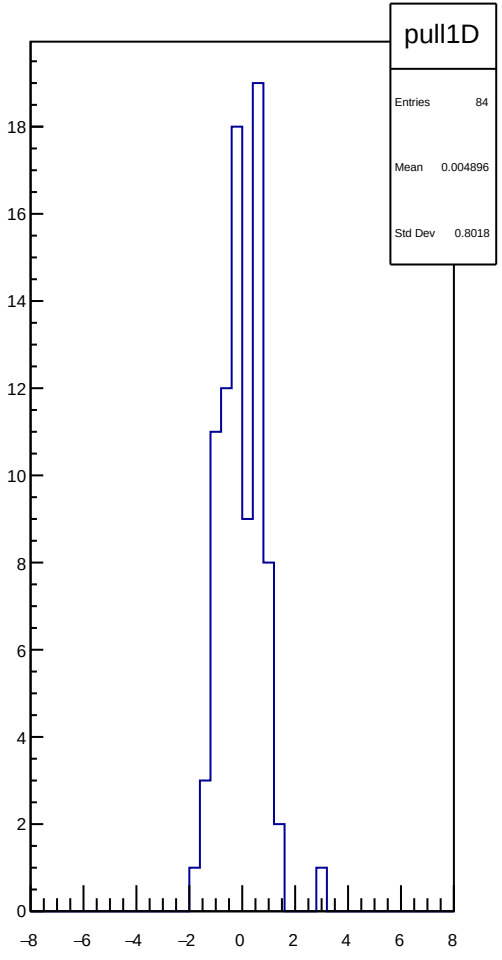

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 54.14 / 83
p0 63.63 ± 0.8139
pull
Entries 84
Mean −323.4
Std Dev 391.8
pull1D
Entries 84
Mean −0.006574
Std Dev 0.8028

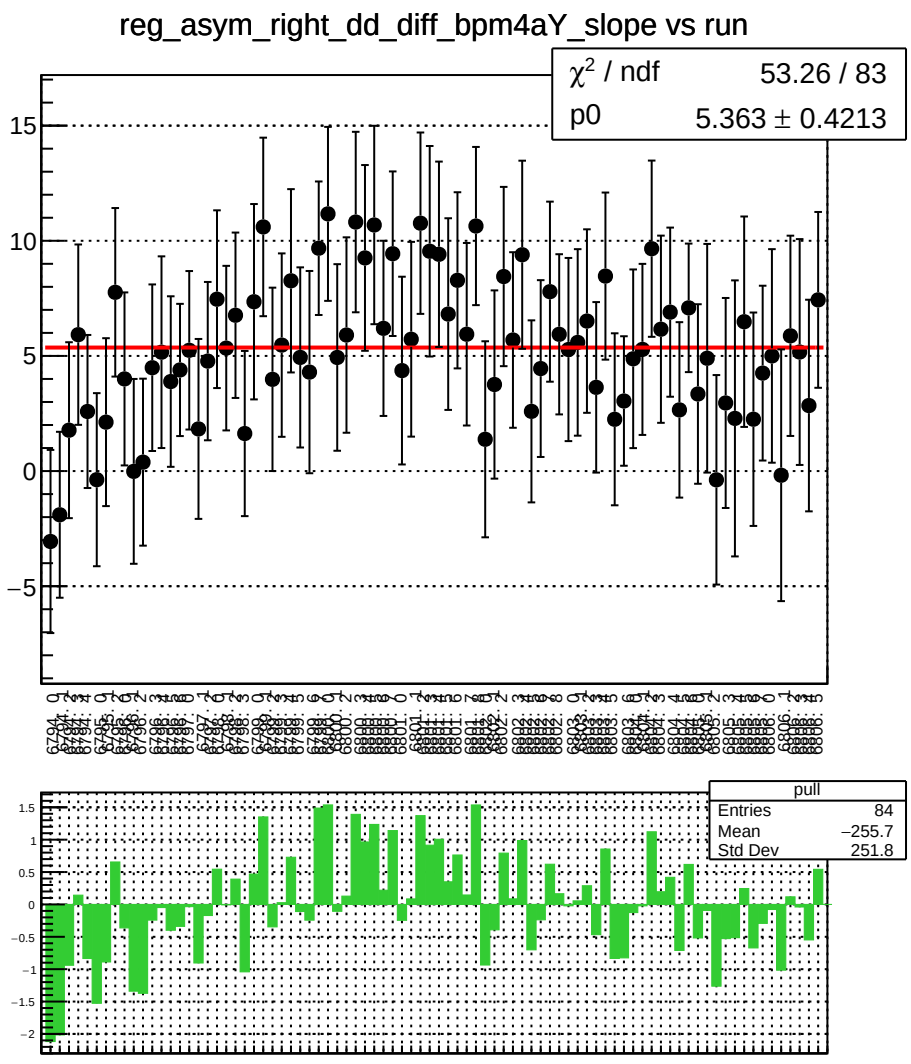

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 54.28 / 83
p0 0.5975 ± 0.5893
pull
Entries 84
Mean 538.1
Std Dev 547.9

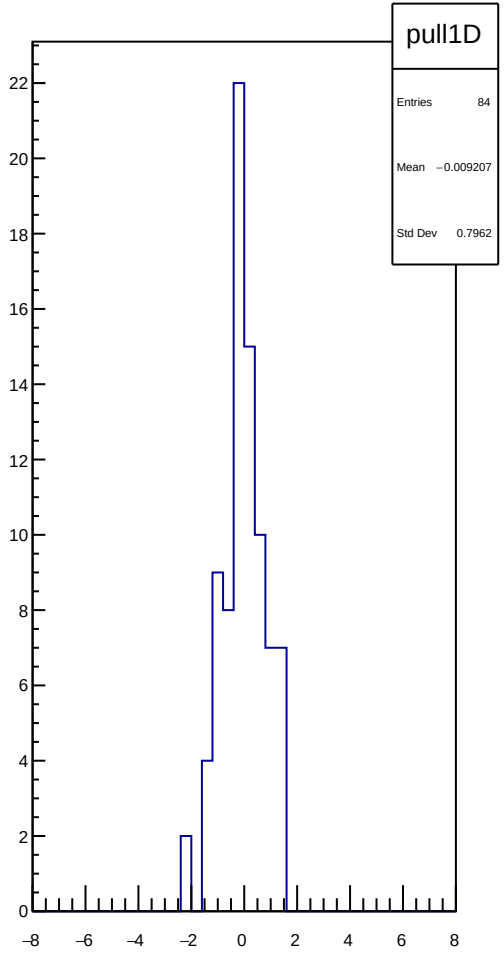

pull1D
Entries 84
Mean −0.004242
Std Dev 0.8038

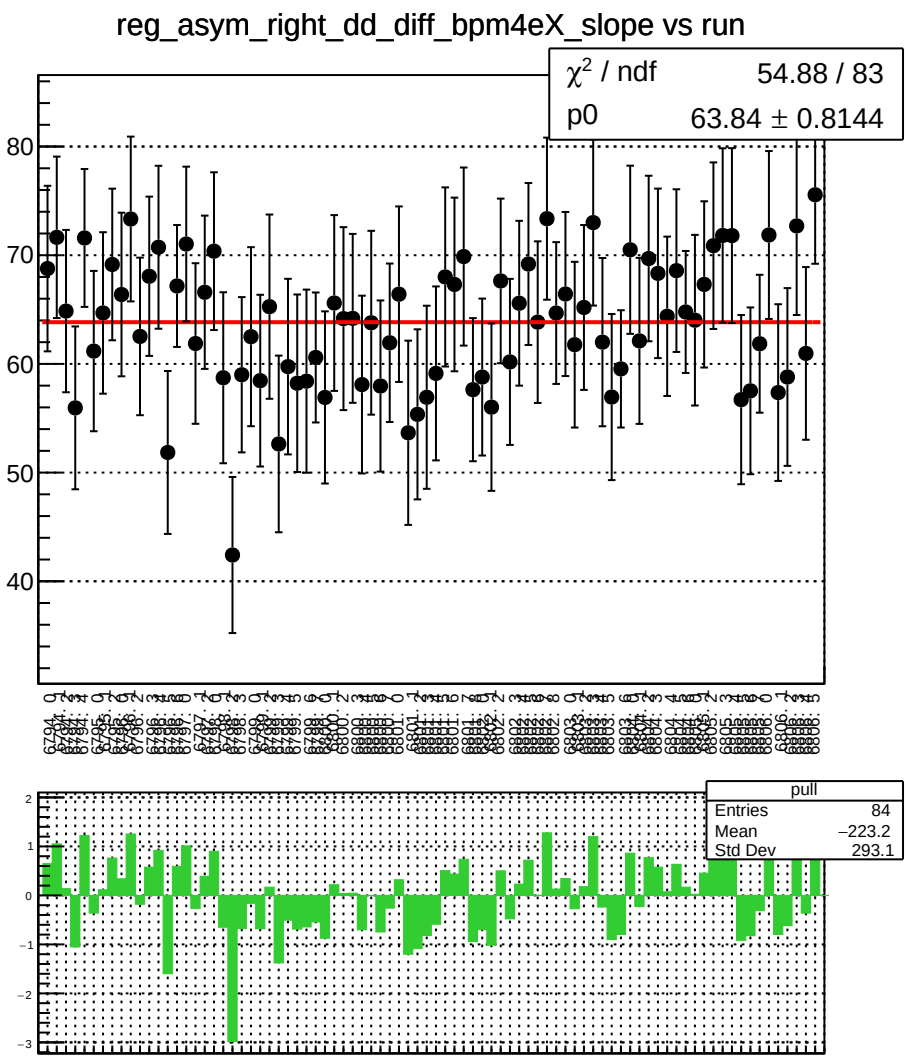

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 69.92 / 83
p0 −18.86 ± 0.03485
−18
−18.5
−19
−19.5
−20
pull
Entries 84
Mean −1.009e+04
Std Dev 1.015e+04
2
1
0
−1
−2
−3
pull1D
Entries 84
Mean −0.0003254
Std Dev 0.9123
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

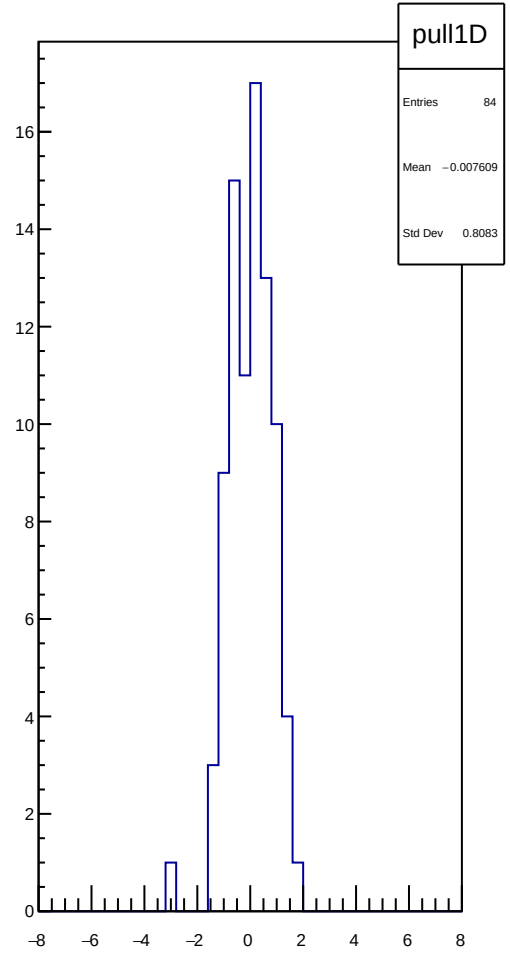

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 54 / 83
p0 −36.43 ± 0.8688
pull
Entries 84
Mean −377.6
Std Dev 447.7

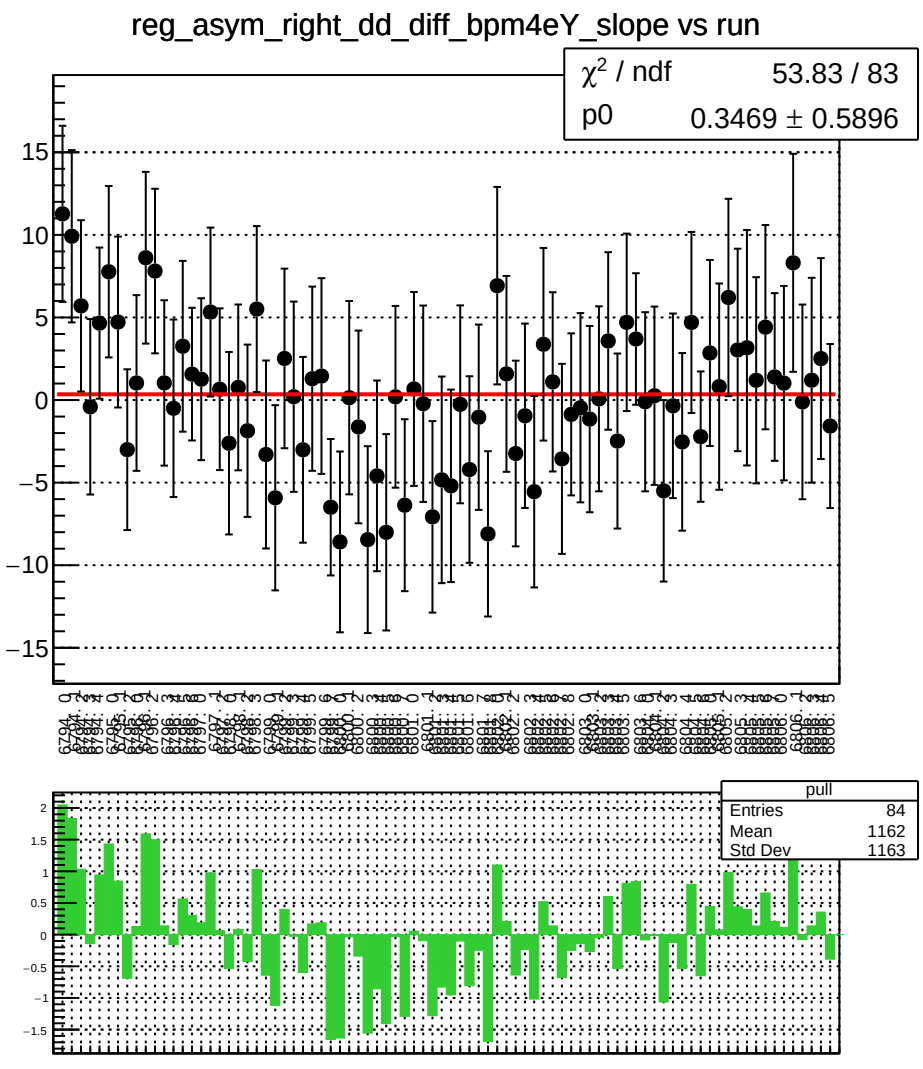

pull1D
Entries 84
Mean 0.004896
Std Dev 0.8018

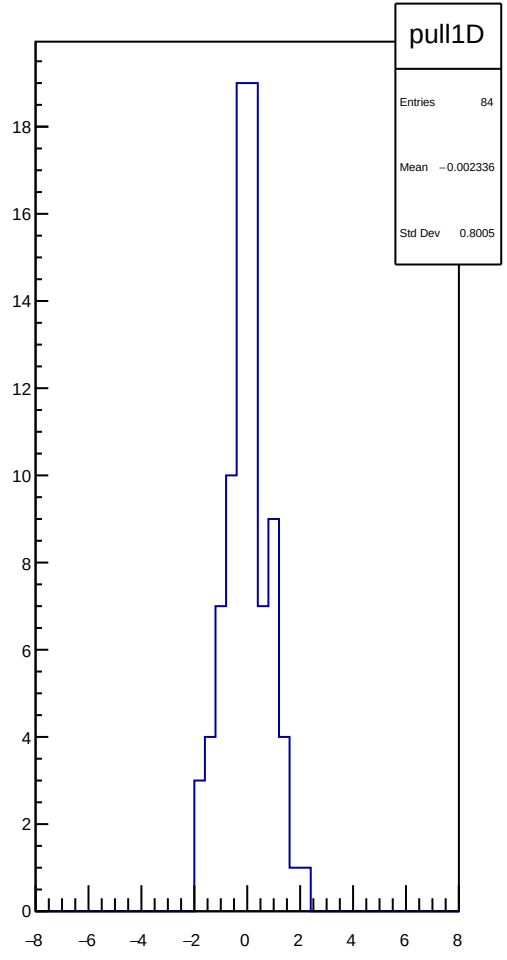

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 53.26 / 83
p0 5.363 ± 0.4213
pull
Entries 84
Mean −255.7
Std Dev 251.8

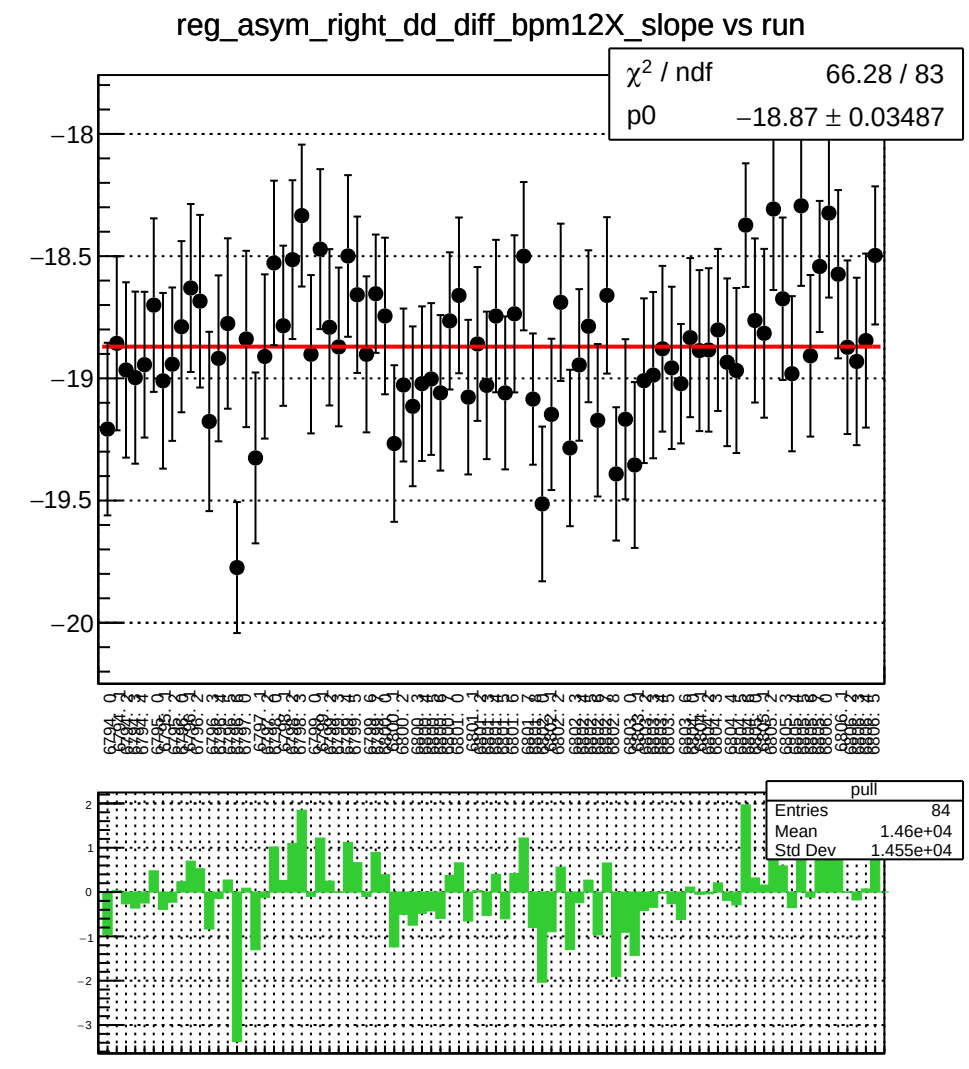

pull1D
Entries 84
Mean −0.009207
Std Dev 0.7962

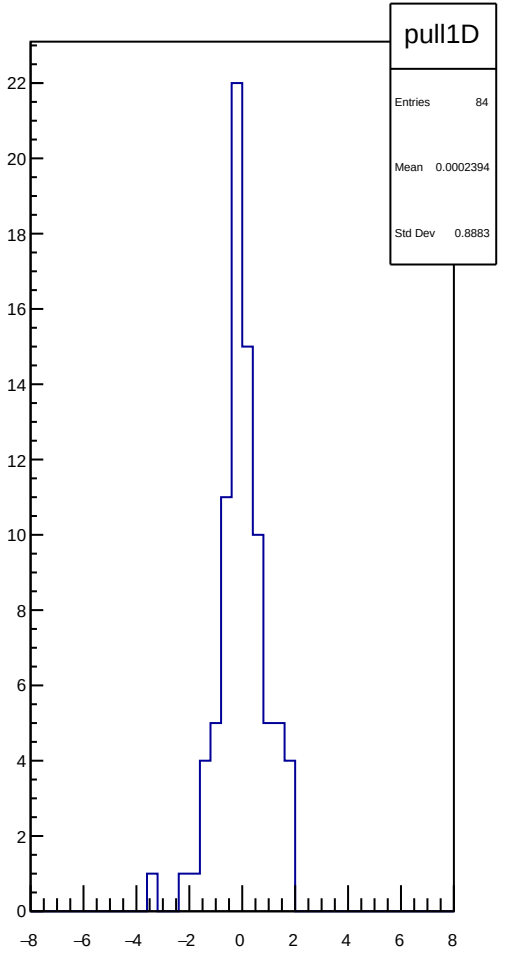

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 54.88 / 83
p0 63.84 ± 0.8144
pull
Entries 84
Mean −223.2
Std Dev 293.1

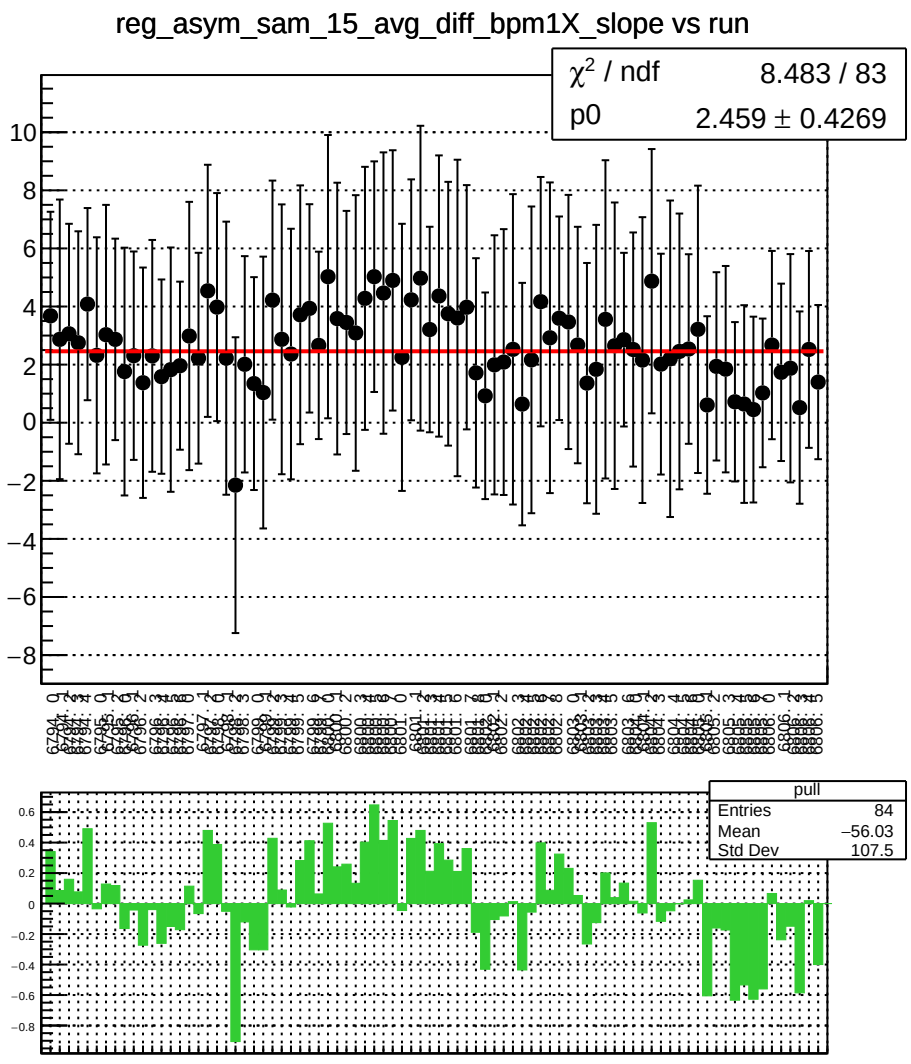

pull1D
Entries 84
Mean −0.007609
Std Dev 0.8083

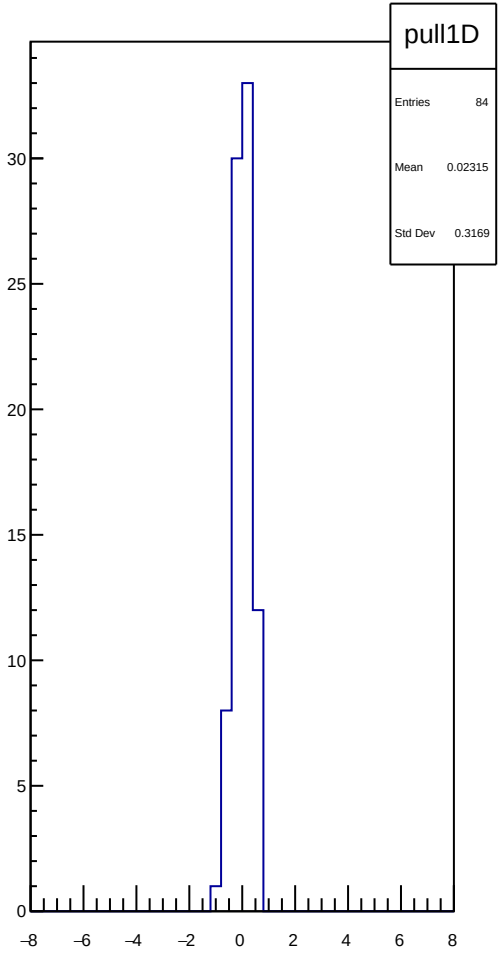

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 53.83 / 83
p0 0.3469 ± 0.5896
pull
Entries 84
Mean 1162
Std Dev 1163

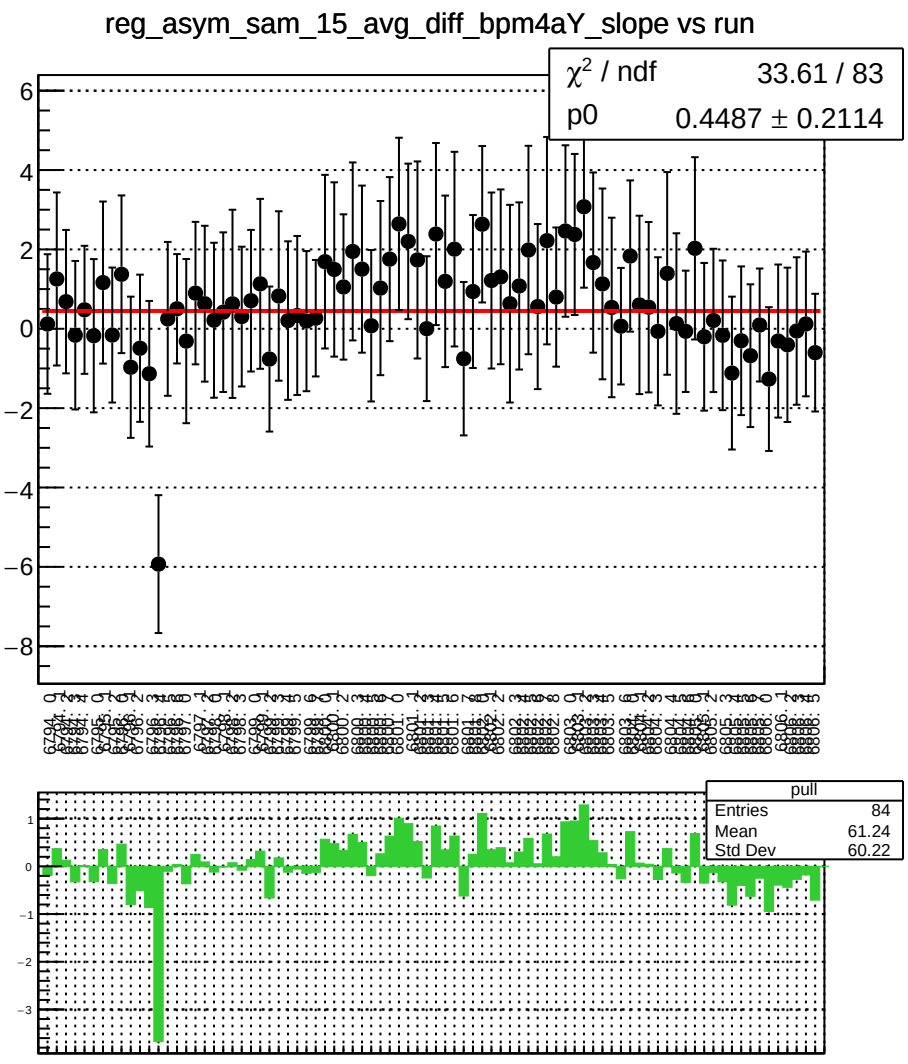

pull1D
Entries 84
Mean −0.002336
Std Dev 0.8005

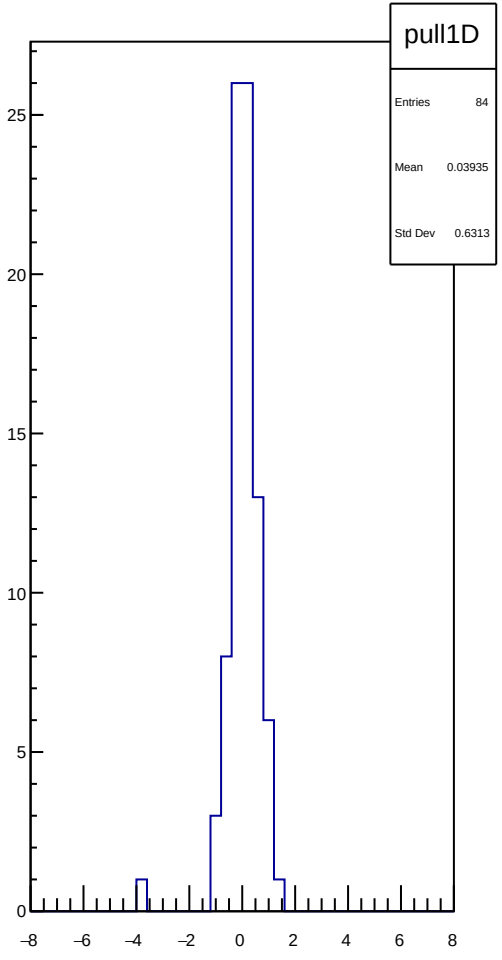

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 66.28 / 83
p0 −18.87 ± 0.03487
−18
−18.5
−19
−19.5
−20
pull
Entries 84
Mean 1.46e+04
Std Dev 1.455e+04

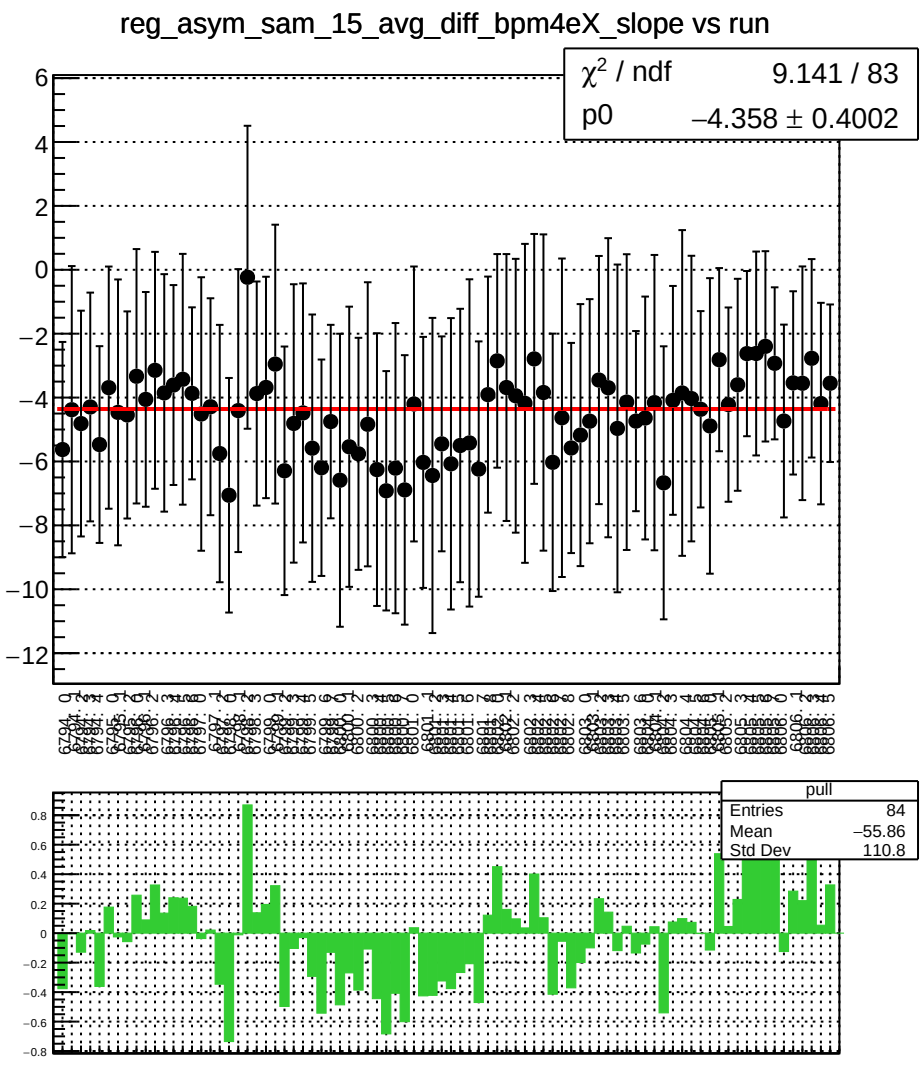

pull1D
Entries 84
Mean 0.0002394
Std Dev 0.8883

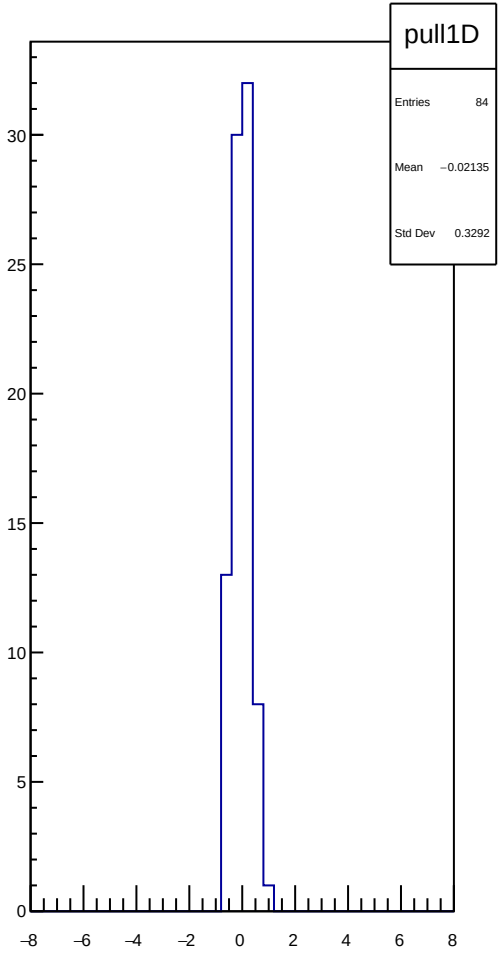

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 8.483 / 83
p0 2.459 ± 0.4269
pull
Entries 84
Mean −56.03
Std Dev 107.5

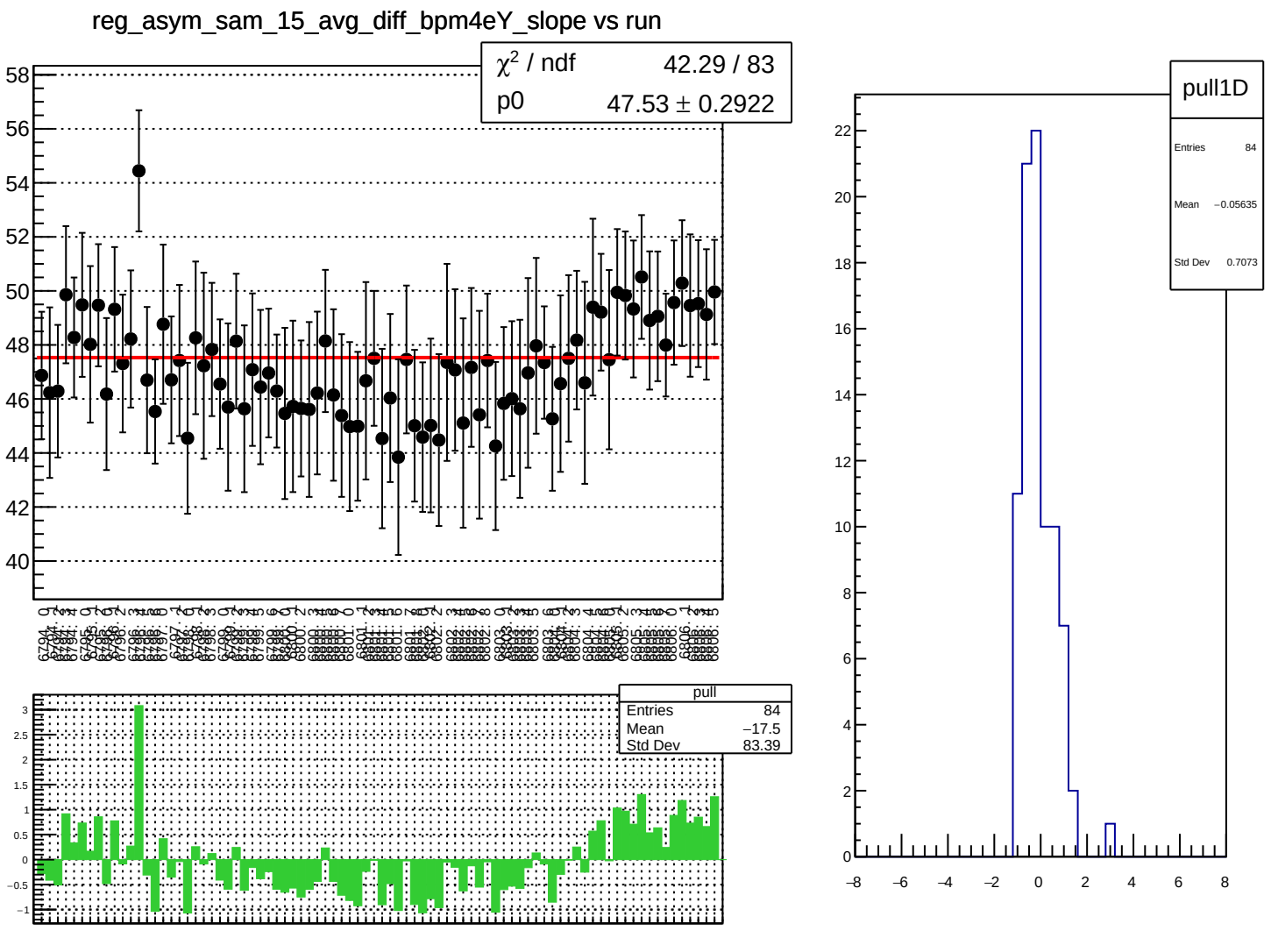

pull1D
Entries 84
Mean 0.02315
Std Dev 0.3169

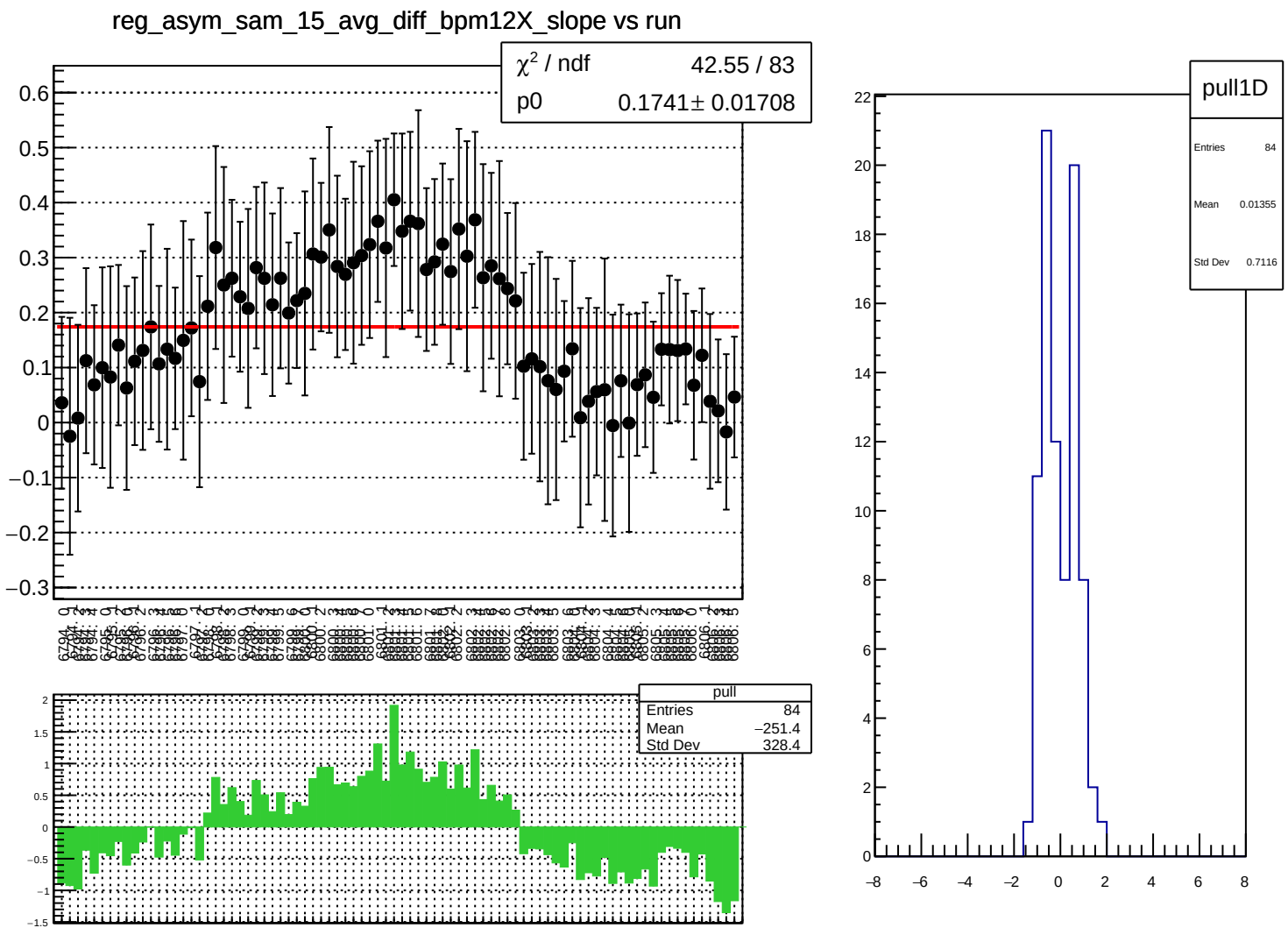

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 33.61 / 83
p0 0.4487 ± 0.2114
pull
Entries 84
Mean 61.24
Std Dev 60.22

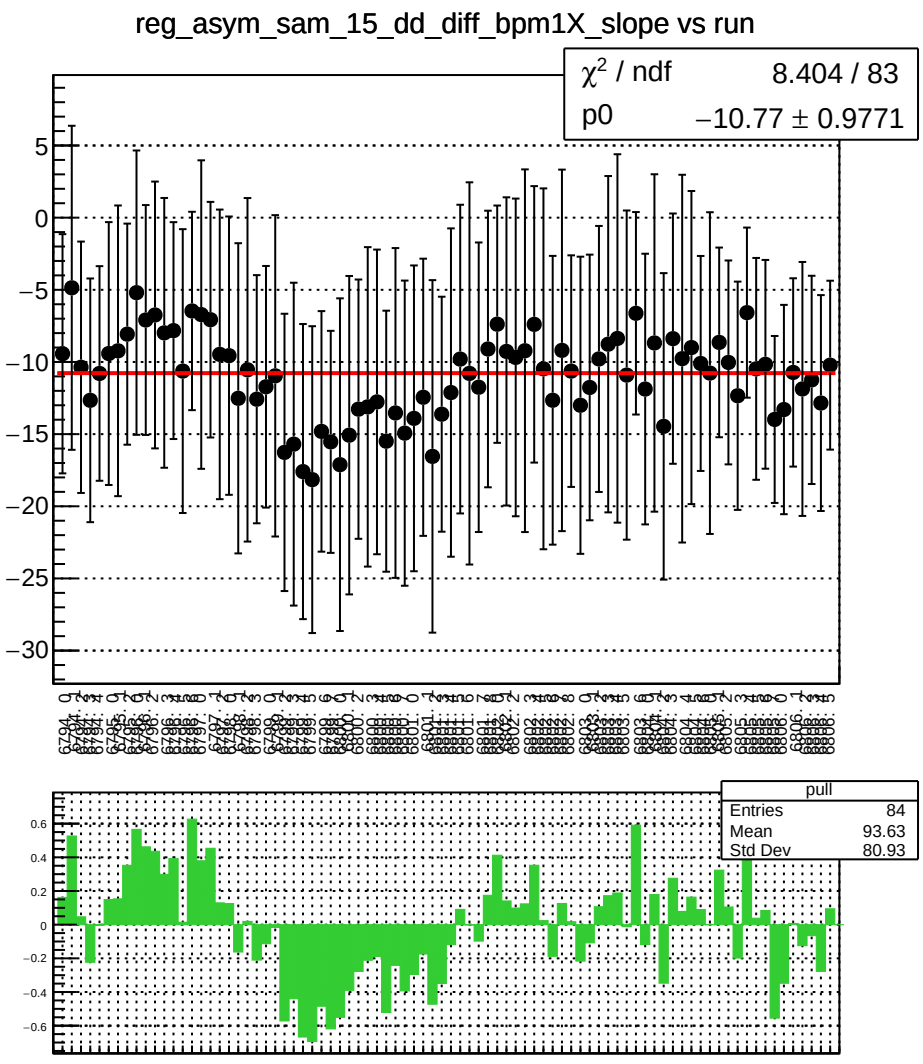

pull1D
Entries 84
Mean 0.03935
Std Dev 0.6313

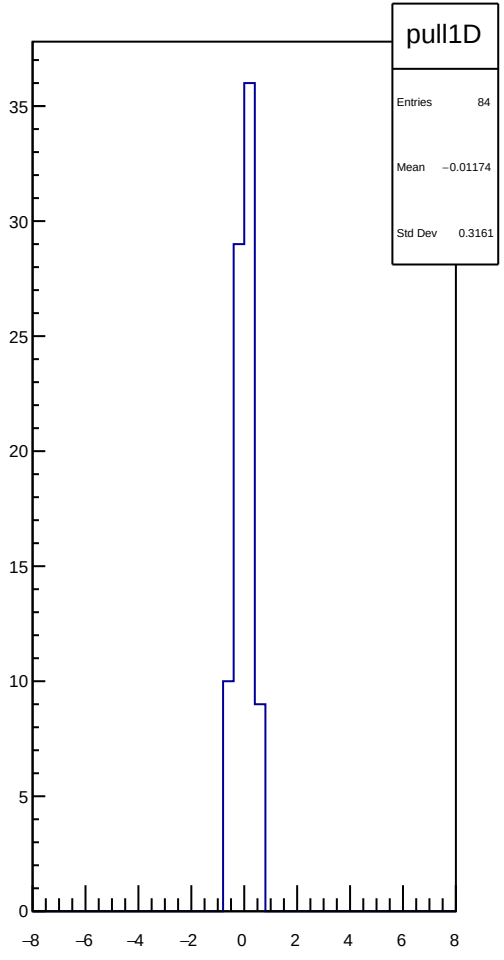

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 9.141 / 83
p0 −4.358 ± 0.4002
pull
Entries 84
Mean −55.86
Std Dev 110.8

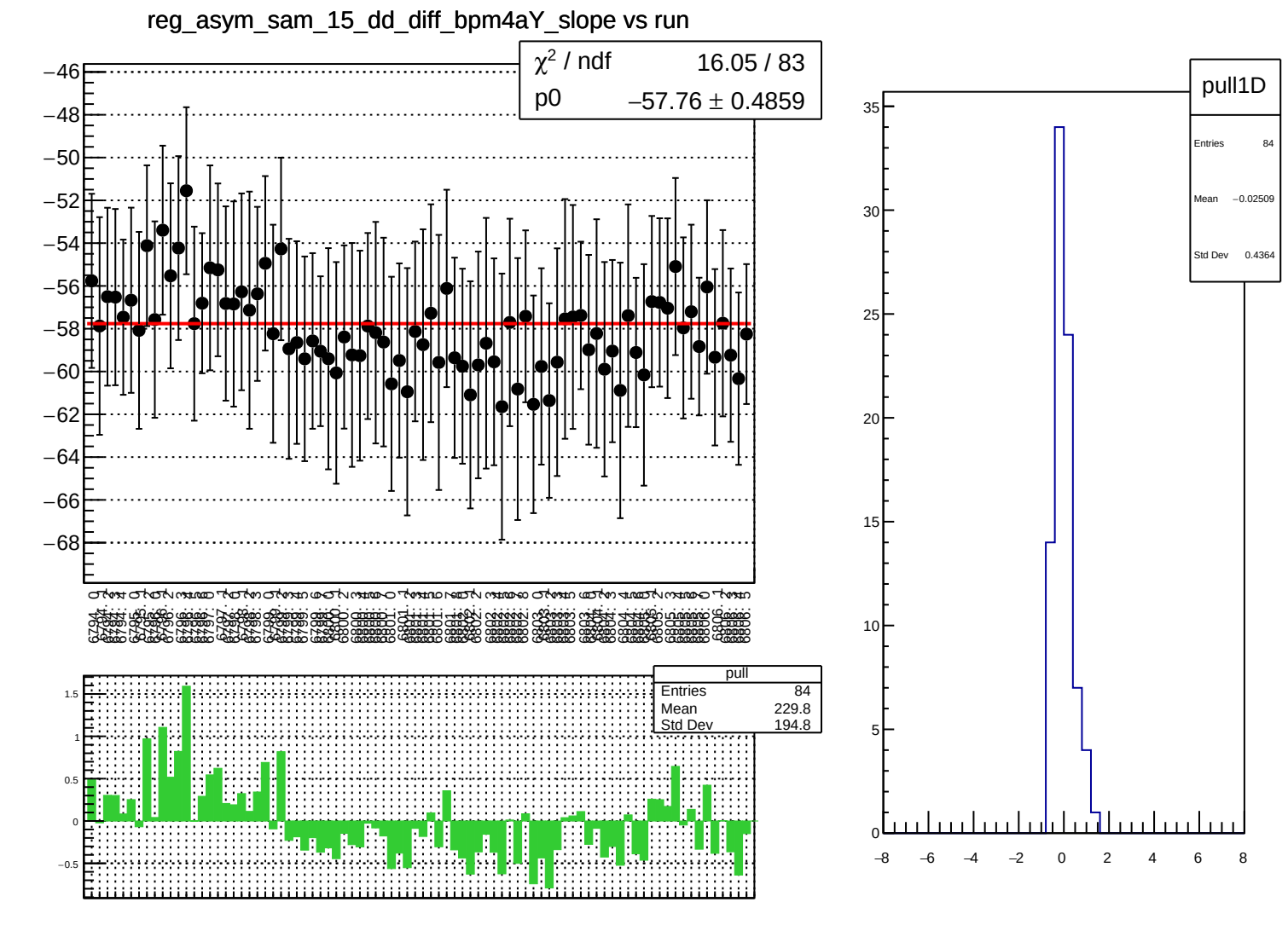

pull1D
Entries 84
Mean −0.02135
Std Dev 0.3292

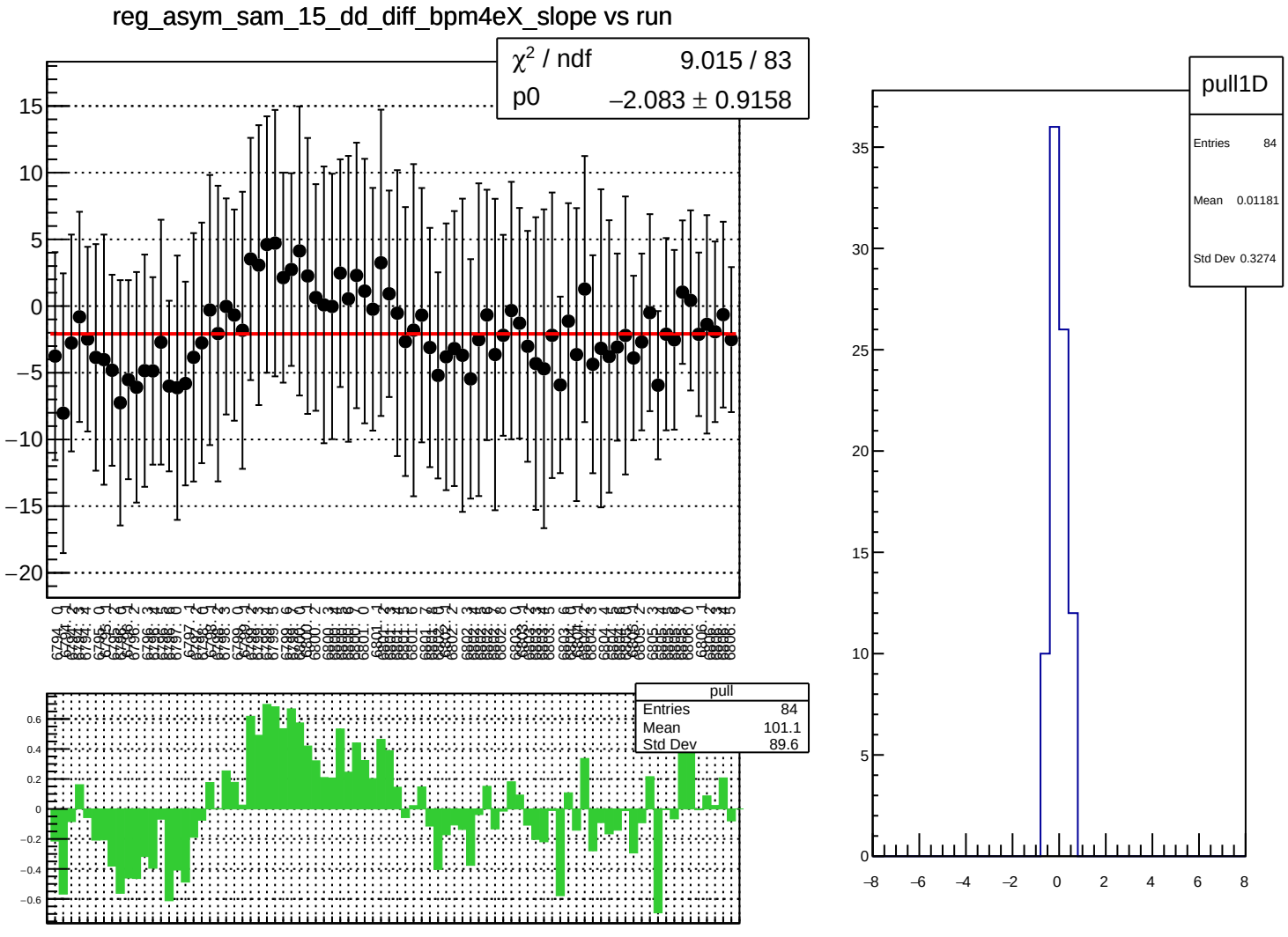

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 42.29 / 83
p0 47.53 ± 0.2922
pull
Entries 84
Mean −17.5
Std Dev 83.39
pull1D
Entries 84
Mean −0.05635
Std Dev 0.7073

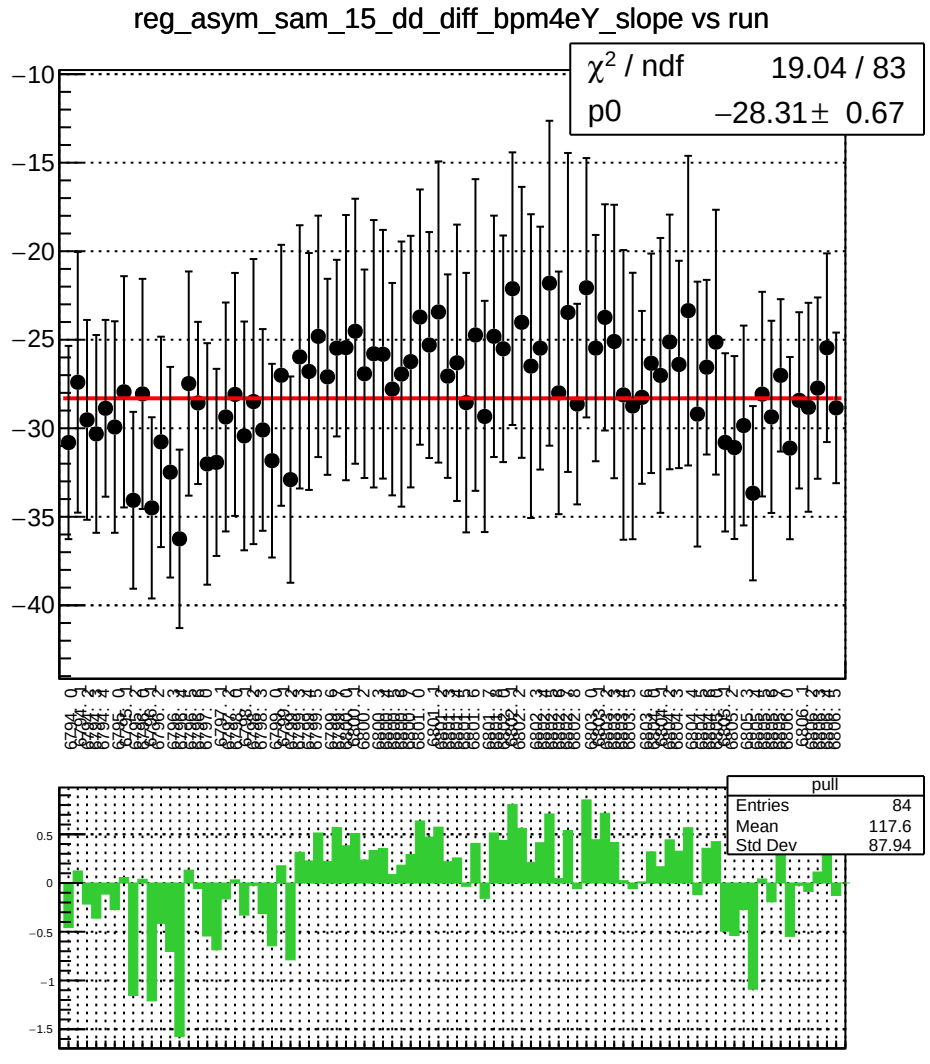

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 42.55 / 83
p0 0.1741± 0.01708
pull
Entries 84
Mean −251.4
Std Dev 328.4
pull1D
Entries 84
Mean 0.01355
Std Dev 0.7116

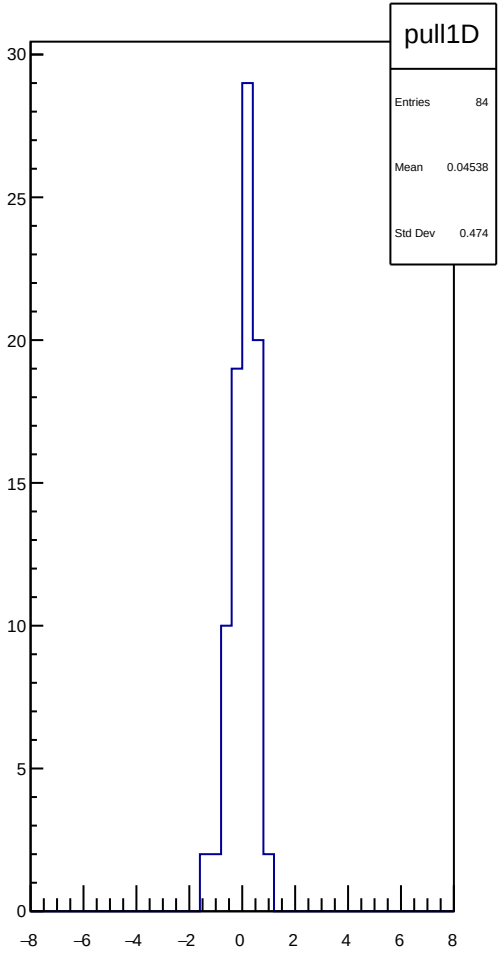

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 8.404 / 83
p0 −10.77 ± 0.9771
pull
Entries 84
Mean 93.63
Std Dev 80.93

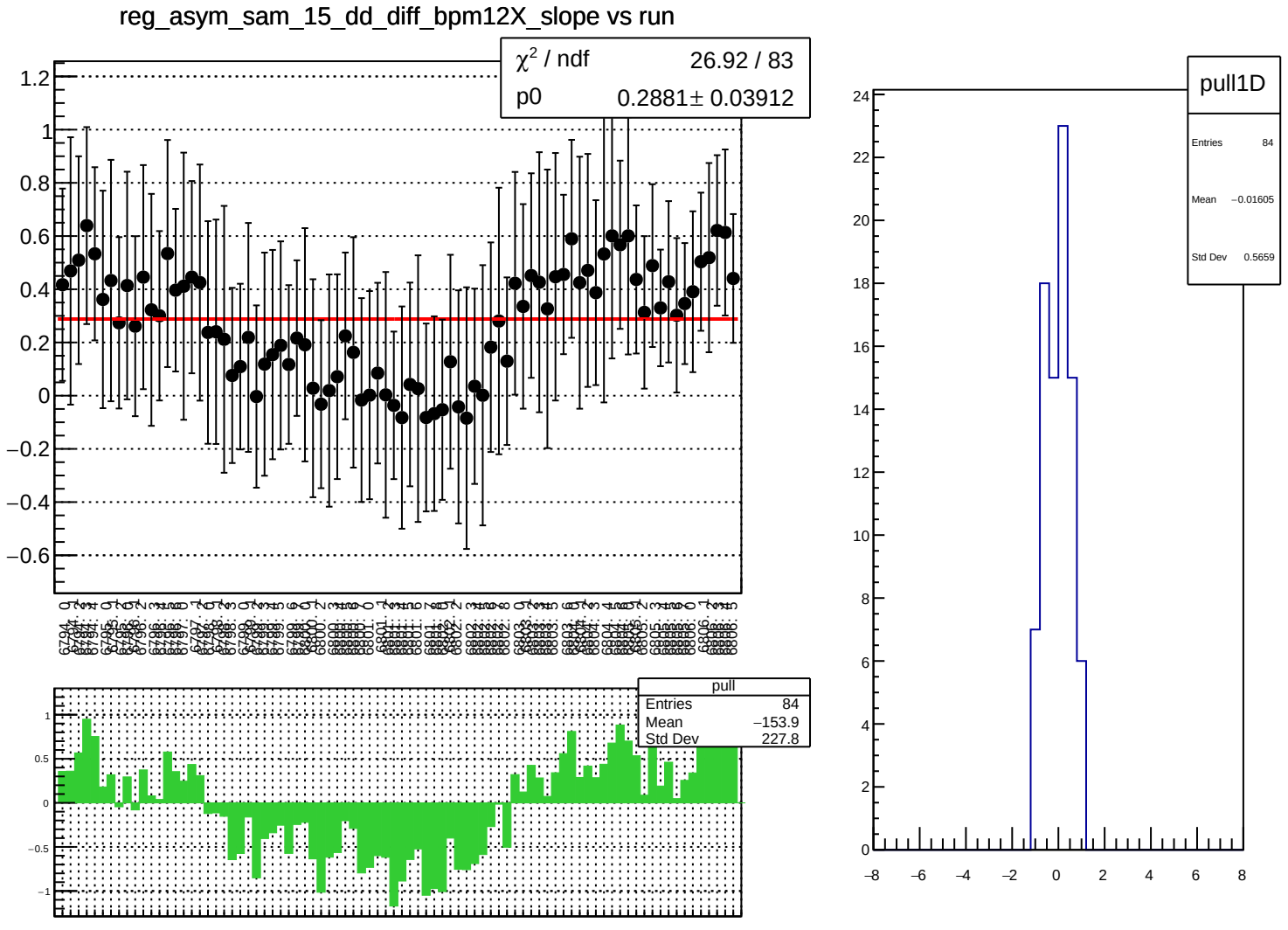

pull1D
Entries 84
Mean −0.01174
Std Dev 0.3161

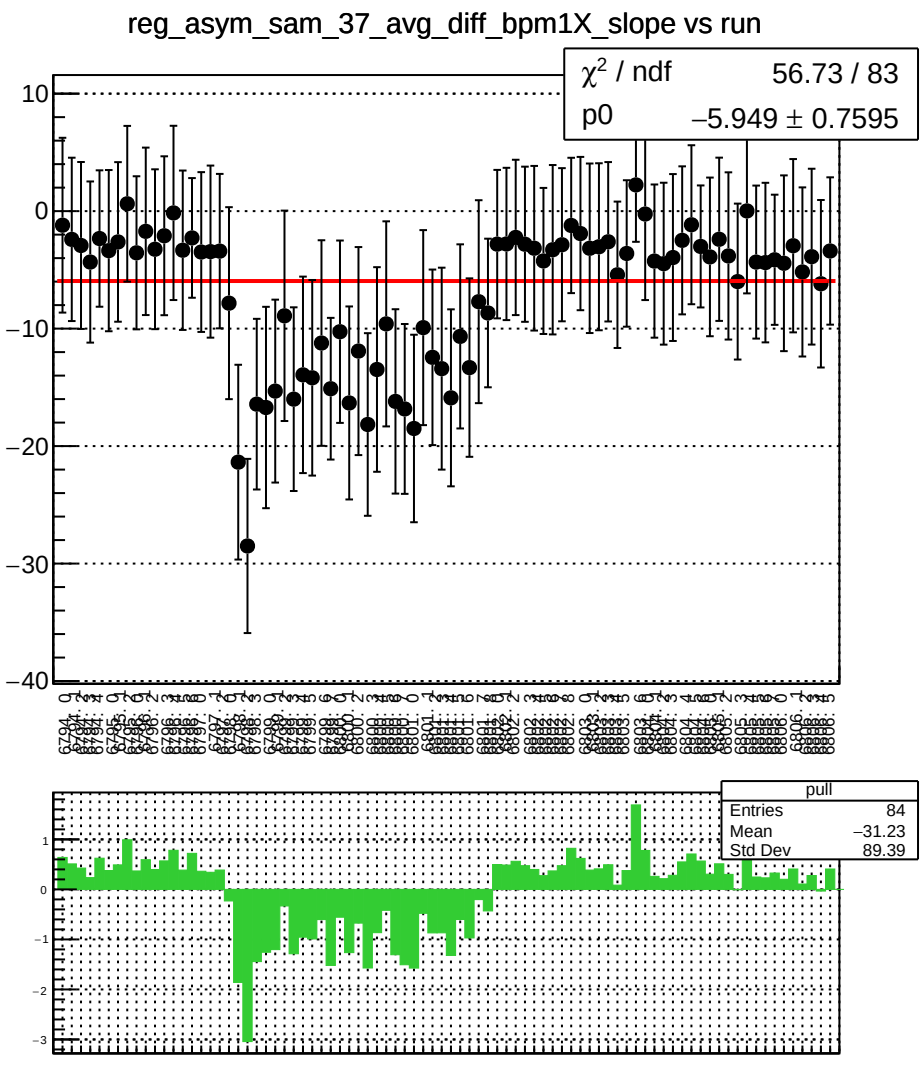

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 16.05 / 83
p0 −57.76 ± 0.4859
pull
Entries 84
Mean 229.8
Std Dev 194.8
pull1D
Entries 84
Mean −0.02509
Std Dev 0.4364

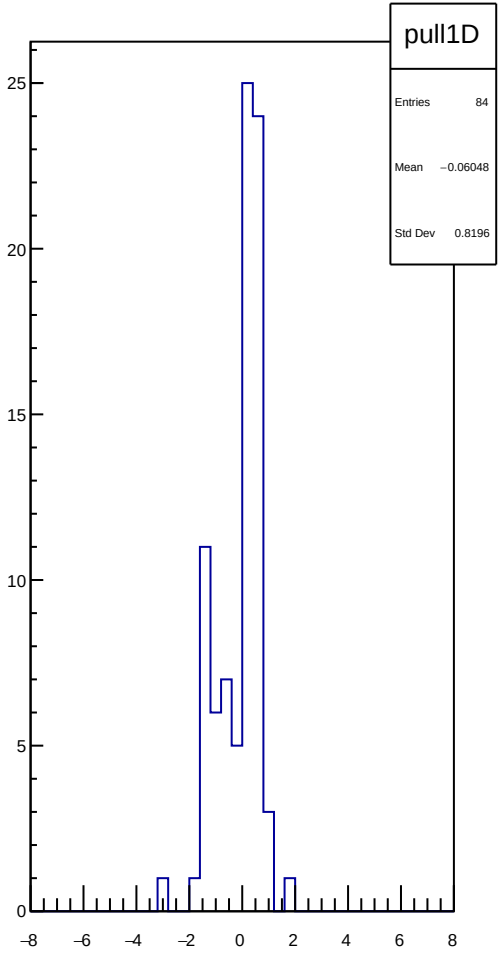

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 9.015 / 83
p0 −2.083 ± 0.9158
pull
Entries 84
Mean 101.1
Std Dev 89.6
pull1D
Entries 84
Mean 0.01181
Std Dev 0.3274

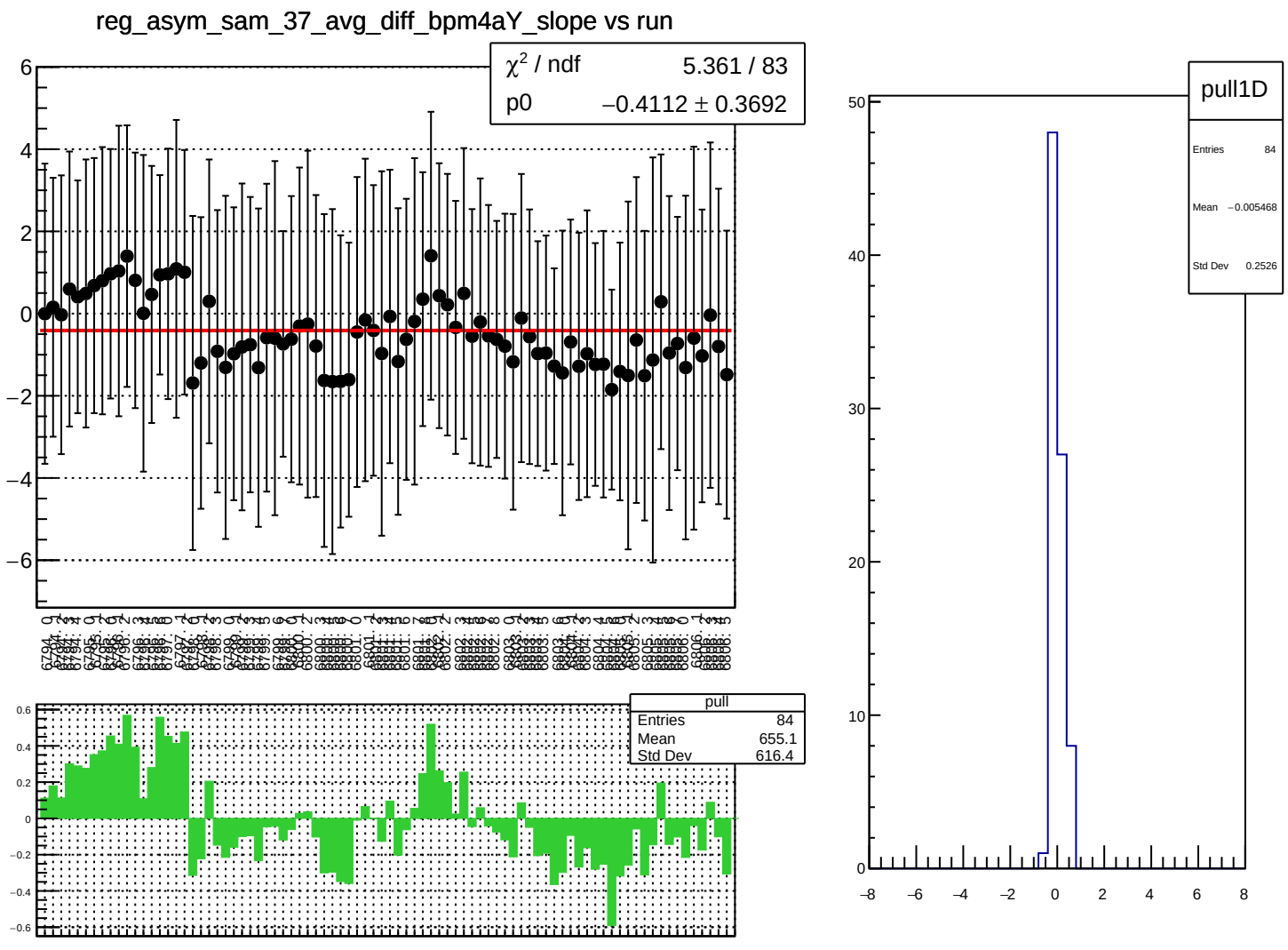

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 19.04 / 83
p0 −28.31± 0.67
pull
Entries 84
Mean 117.6
Std Dev 87.94

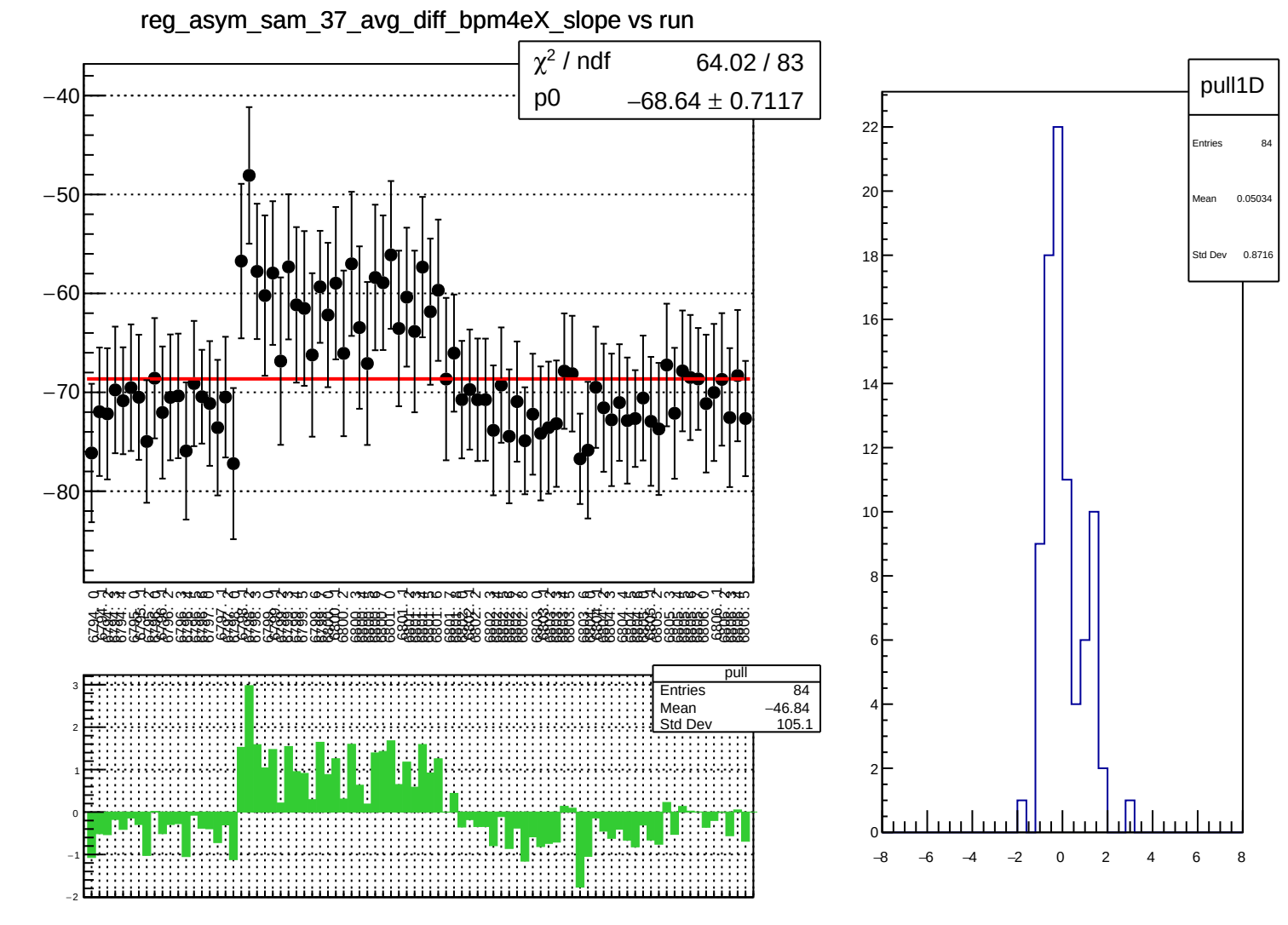

pull1D
Entries 84
Mean 0.04538
Std Dev 0.474

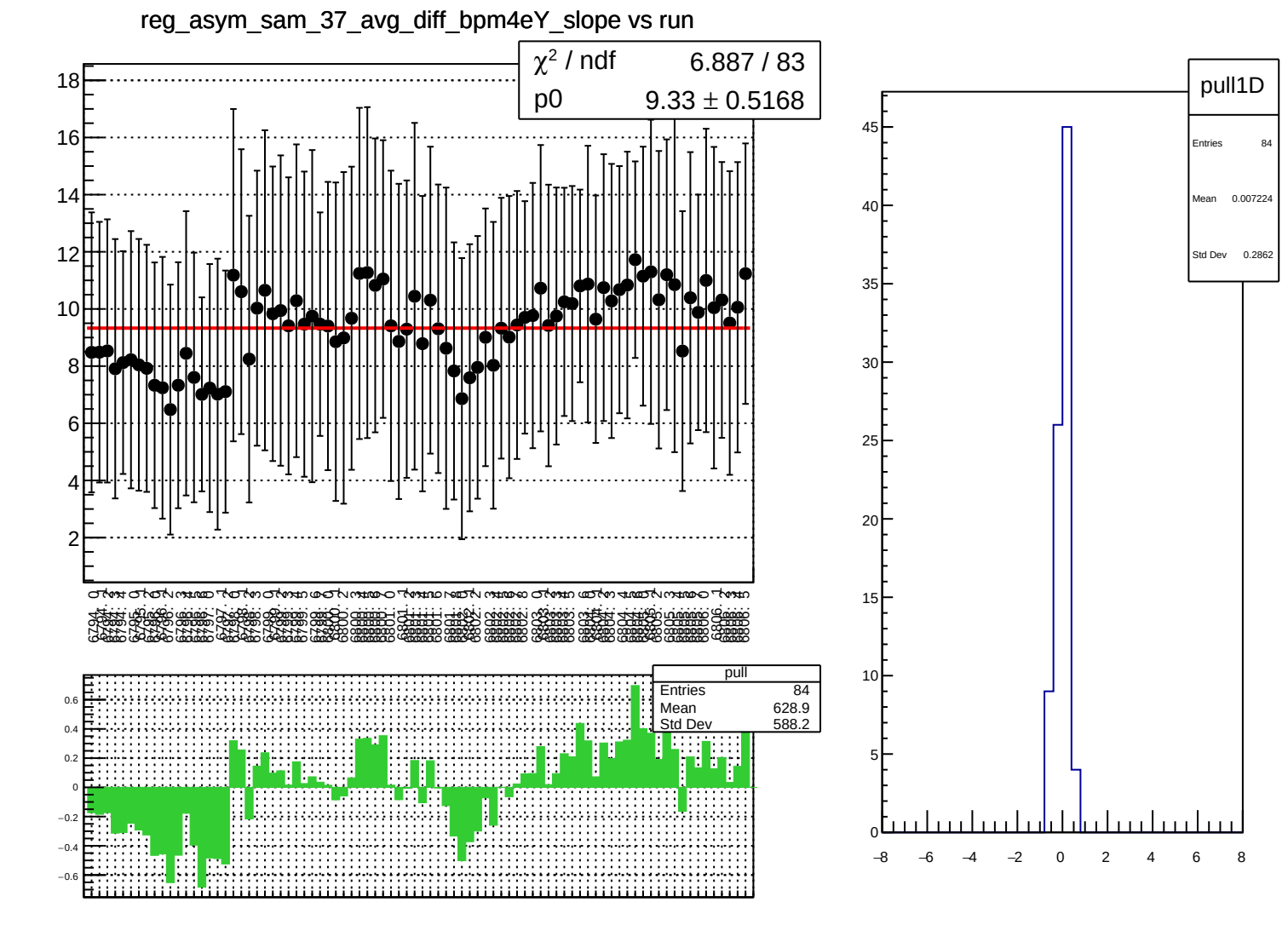

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 26.92 / 83
p0 0.2881± 0.03912
pull
Entries 84
Mean −153.9
Std Dev 227.8
pull1D
Entries 84
Mean −0.01605
Std Dev 0.5659

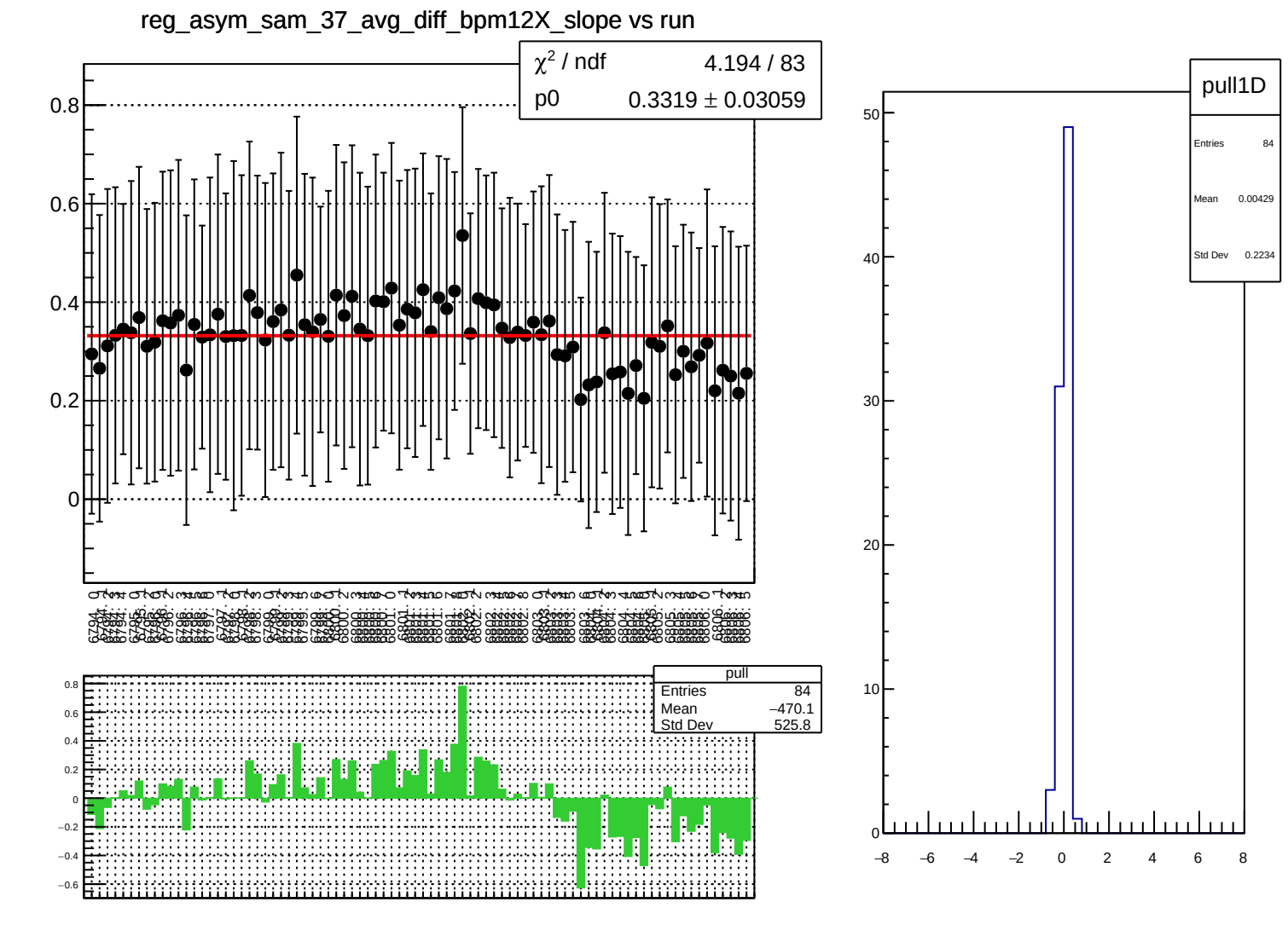

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 56.73 / 83
p0 −5.949 ± 0.7595
pull
Entries 84
Mean −31.23
Std Dev 89.39

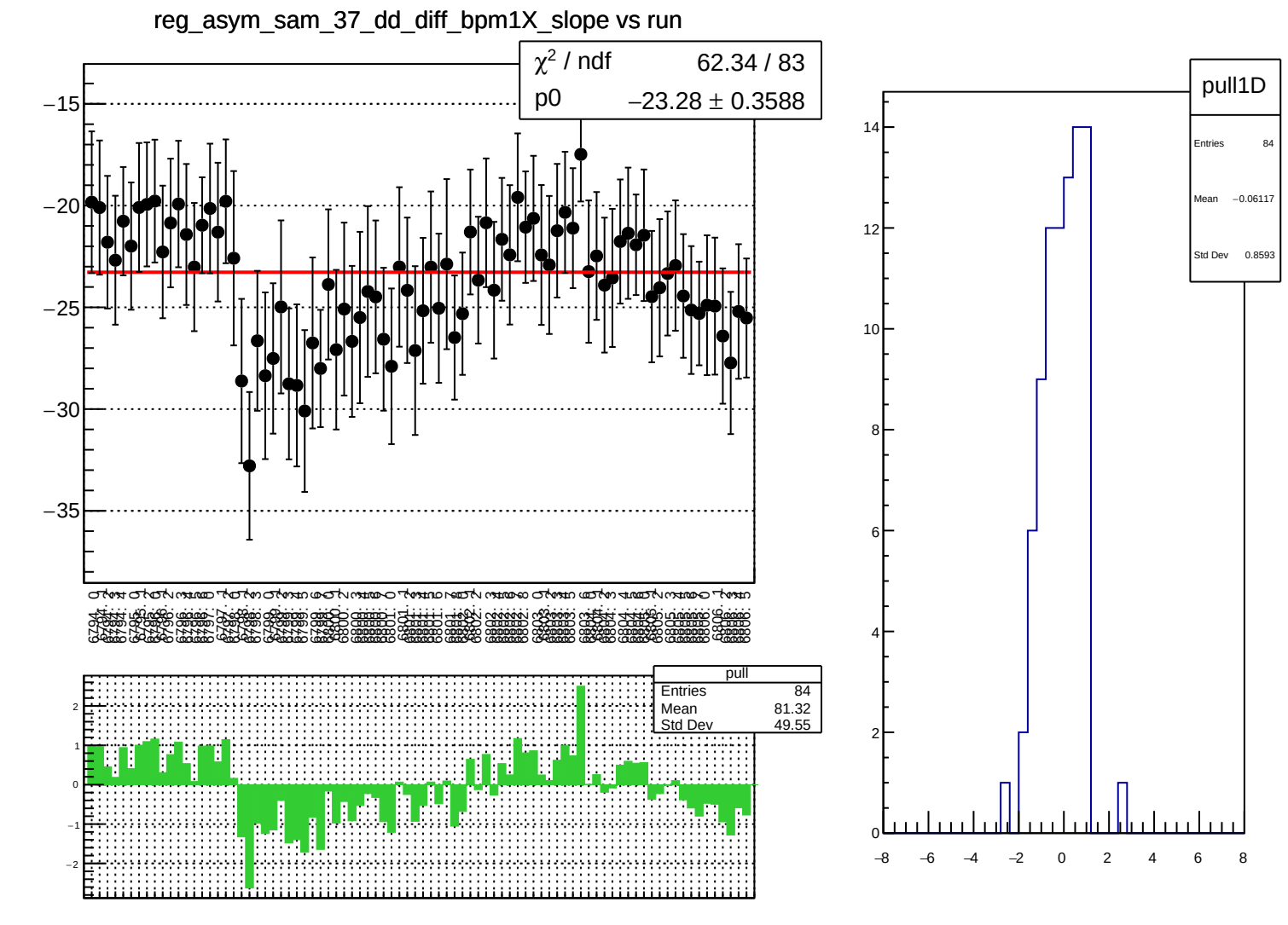

pull1D
Entries 84
Mean −0.06048
Std Dev 0.8196

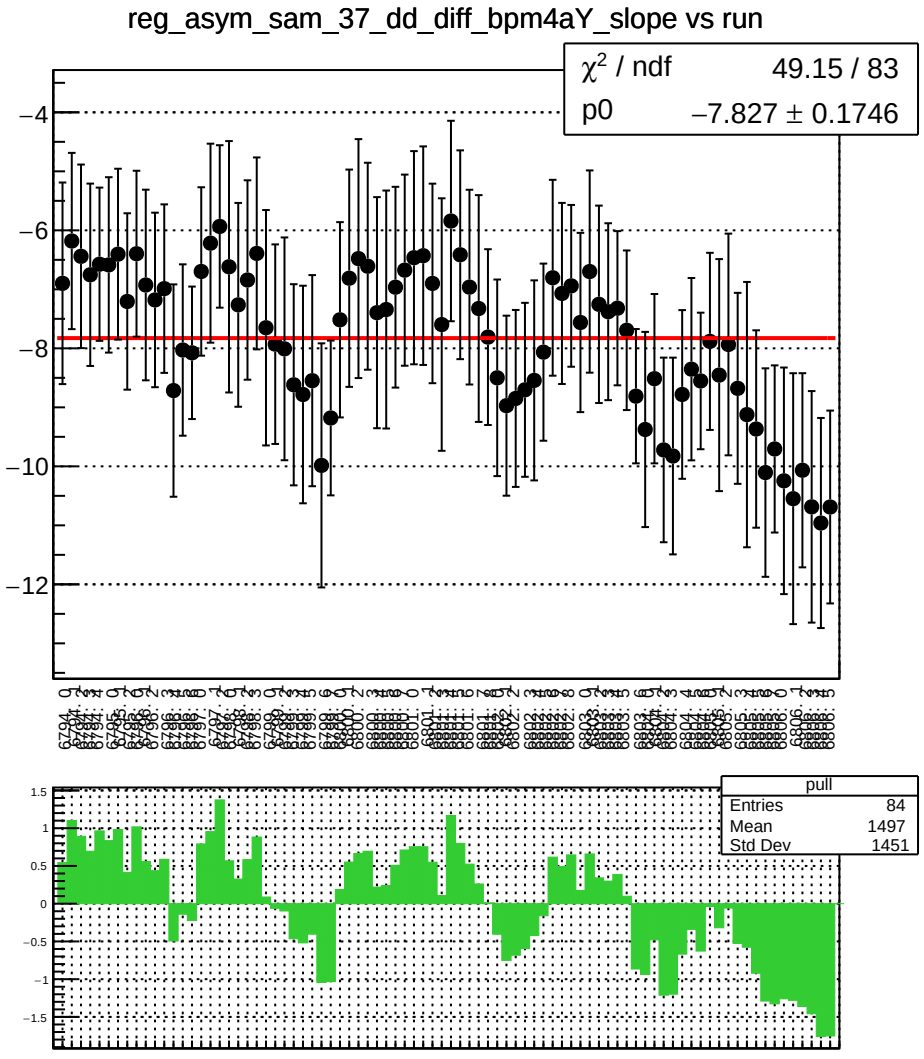

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.361 / 83
p0 −0.4112 ± 0.3692
pull
Entries 84
Mean 655.1
Std Dev 616.4
pull1D
Entries 84
Mean −0.005468
Std Dev 0.2526

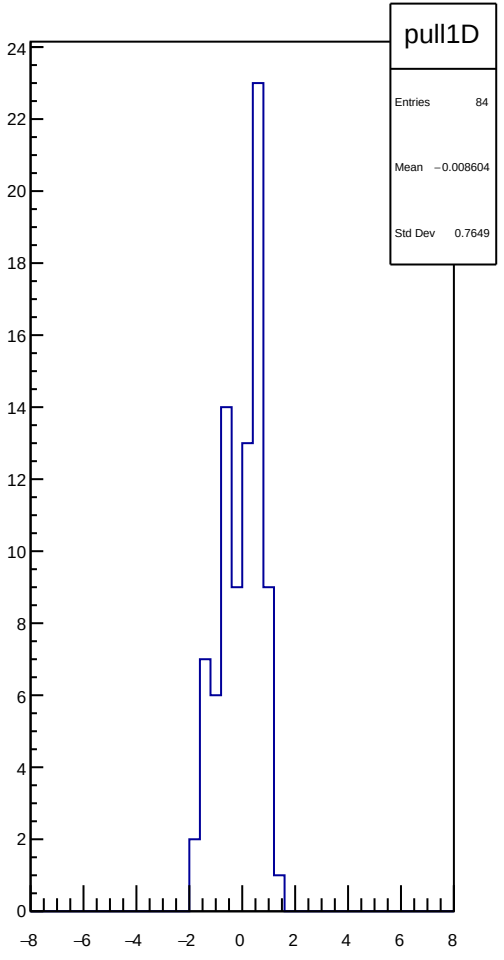

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 64.02 / 83
p0 −68.64 ± 0.7117
pull
Entries 84
Mean −46.84
Std Dev 105.1
pull1D
Entries 84
Mean 0.05034
Std Dev 0.8716

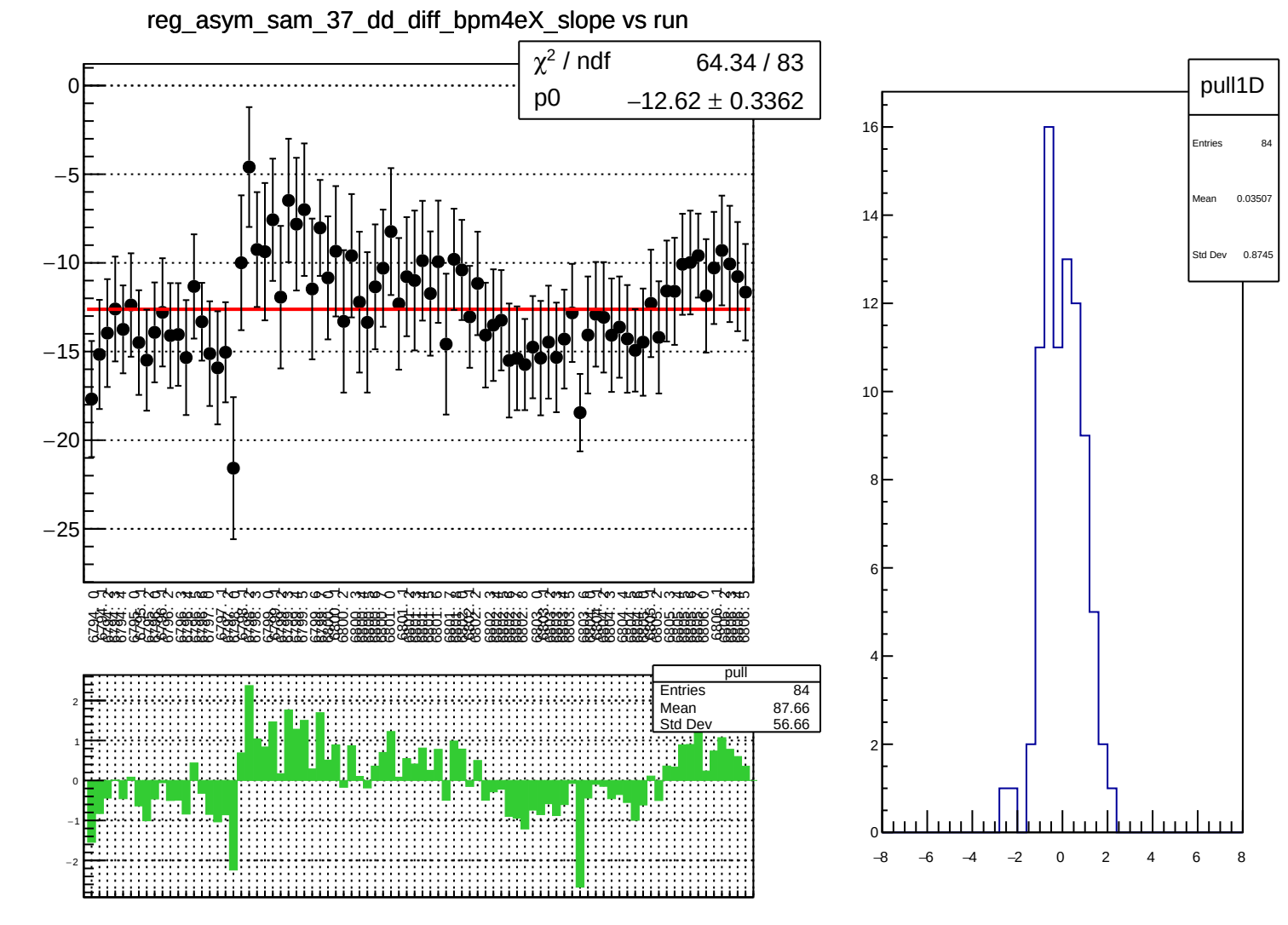

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.887 / 83
p0 9.33 ± 0.5168
pull
Entries 84
Mean 628.9
Std Dev 588.2
pull1D
Entries 84
Mean 0.007224
Std Dev 0.2862

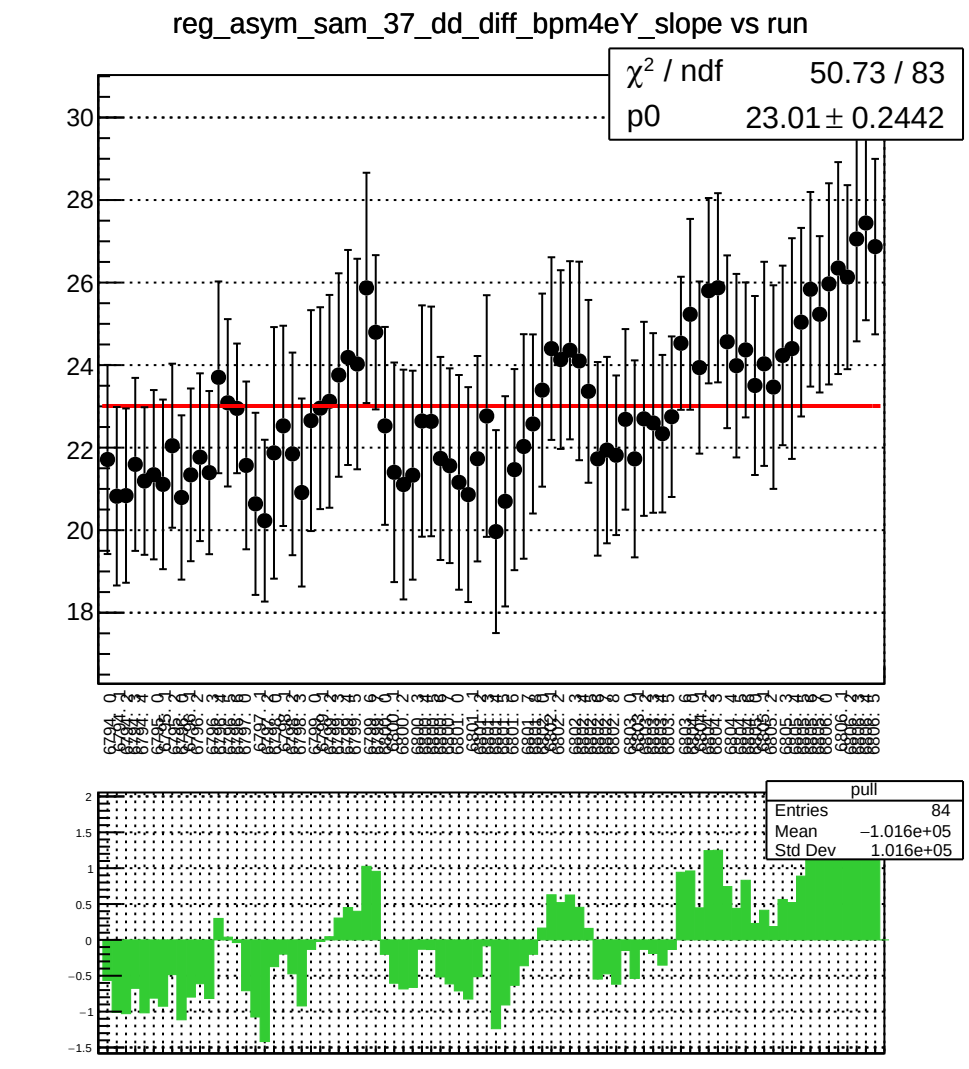

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 4.194 / 83
p0 0.3319 ± 0.03059
pull
Entries 84
Mean −470.1
Std Dev 525.8
pull1D
Entries 84
Mean 0.00429
Std Dev 0.2234

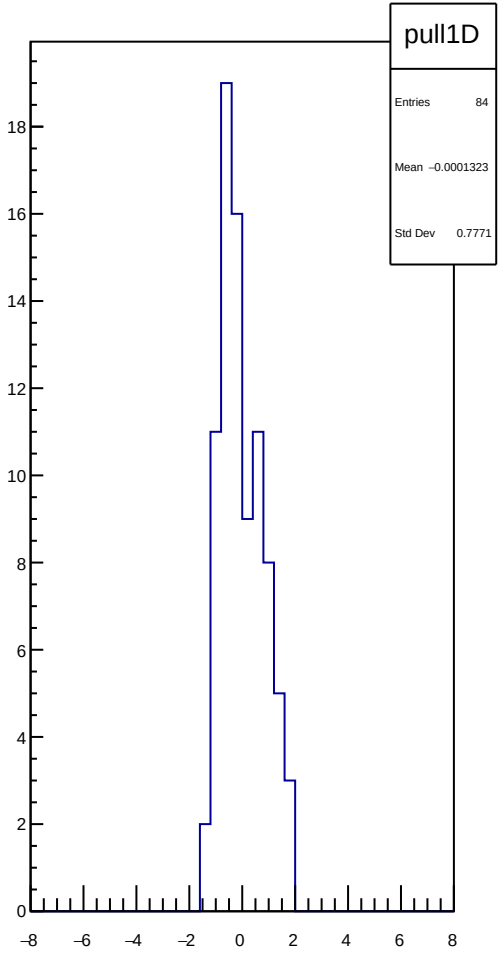

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 62.34 / 83
p0 −23.28 ± 0.3588
pull
Entries 84
Mean 81.32
Std Dev 49.55
pull1D
Entries 84
Mean −0.06117
Std Dev 0.8593

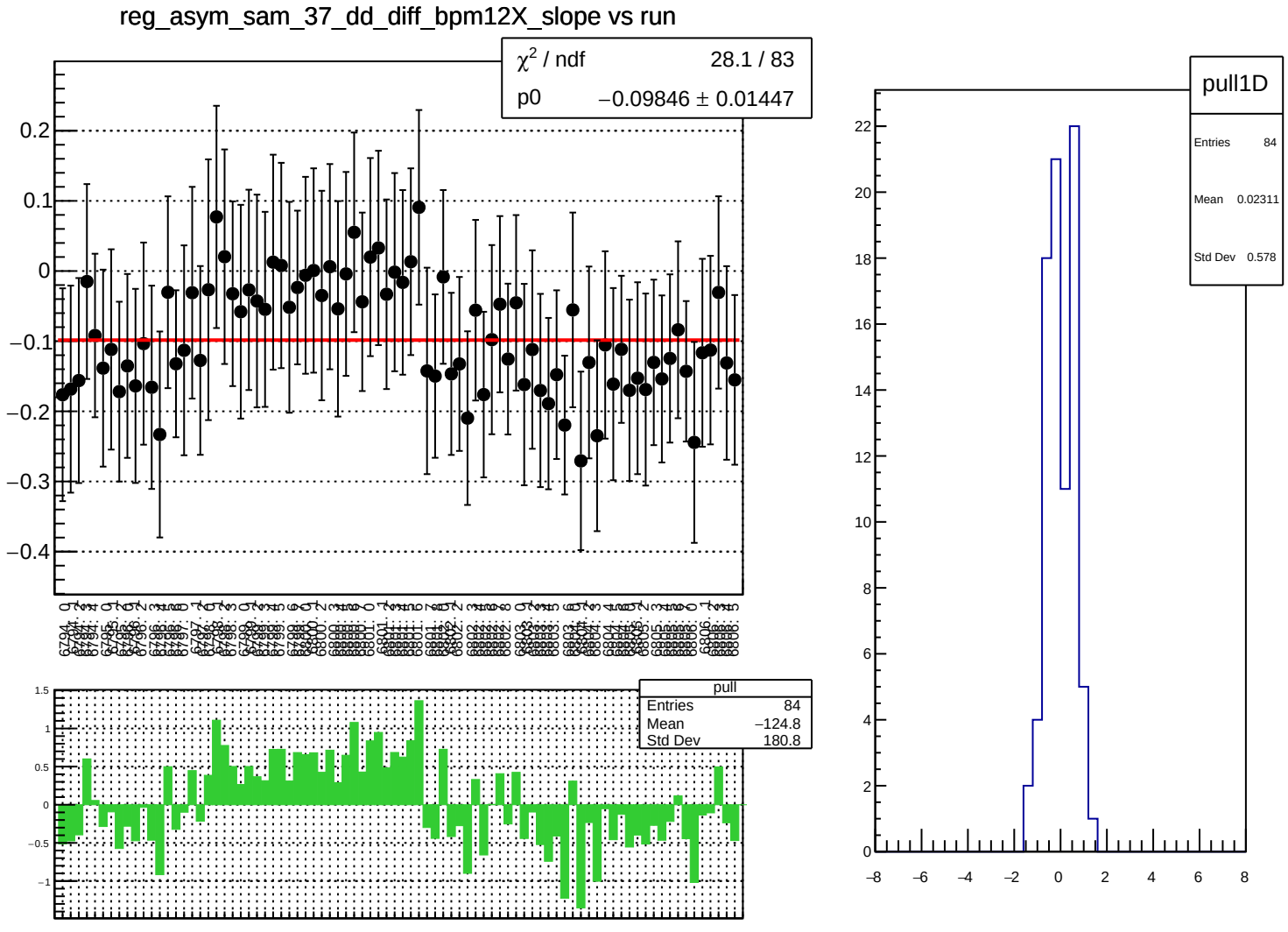

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 49.15 / 83
p0 −7.827 ± 0.1746
pull
Entries 84
Mean 1497
Std Dev 1451

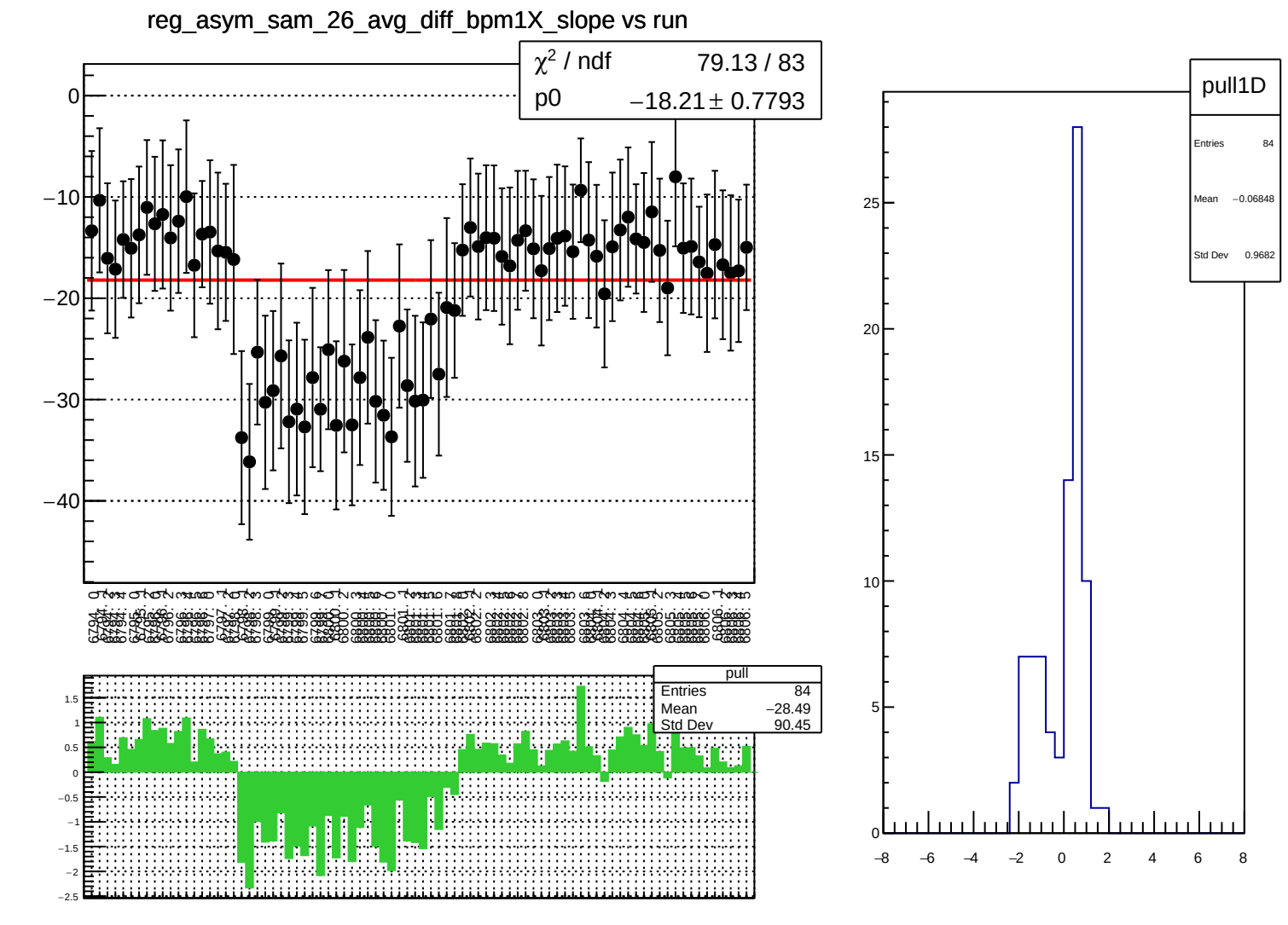

pull1D
Entries 84
Mean −0.008604
Std Dev 0.7649

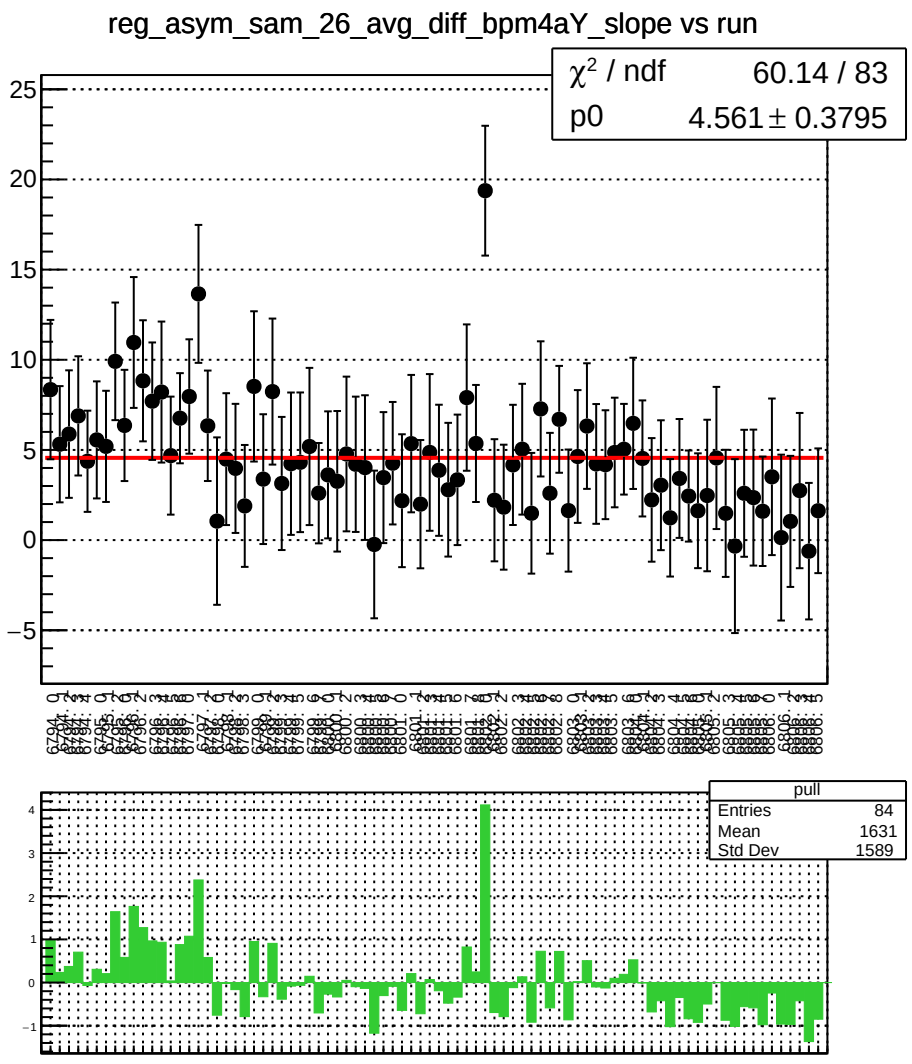

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 64.34 / 83
p0 −12.62 ± 0.3362
pull
Entries 84
Mean 87.66
Std Dev 56.66
pull1D
Entries 84
Mean 0.03507
Std Dev 0.8745

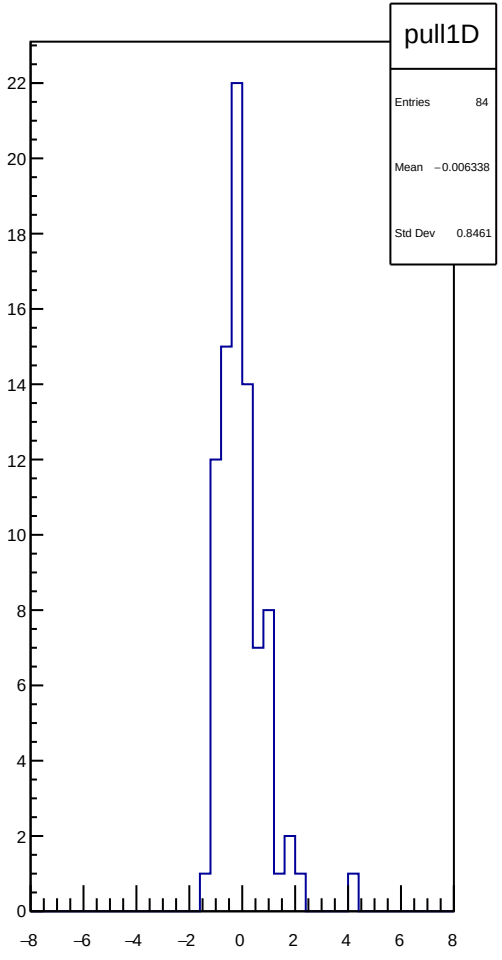

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 50.73 / 83
p0 23.01 ± 0.2442
pull
Entries 84
Mean −1.016e+05
Std Dev 1.016e+05

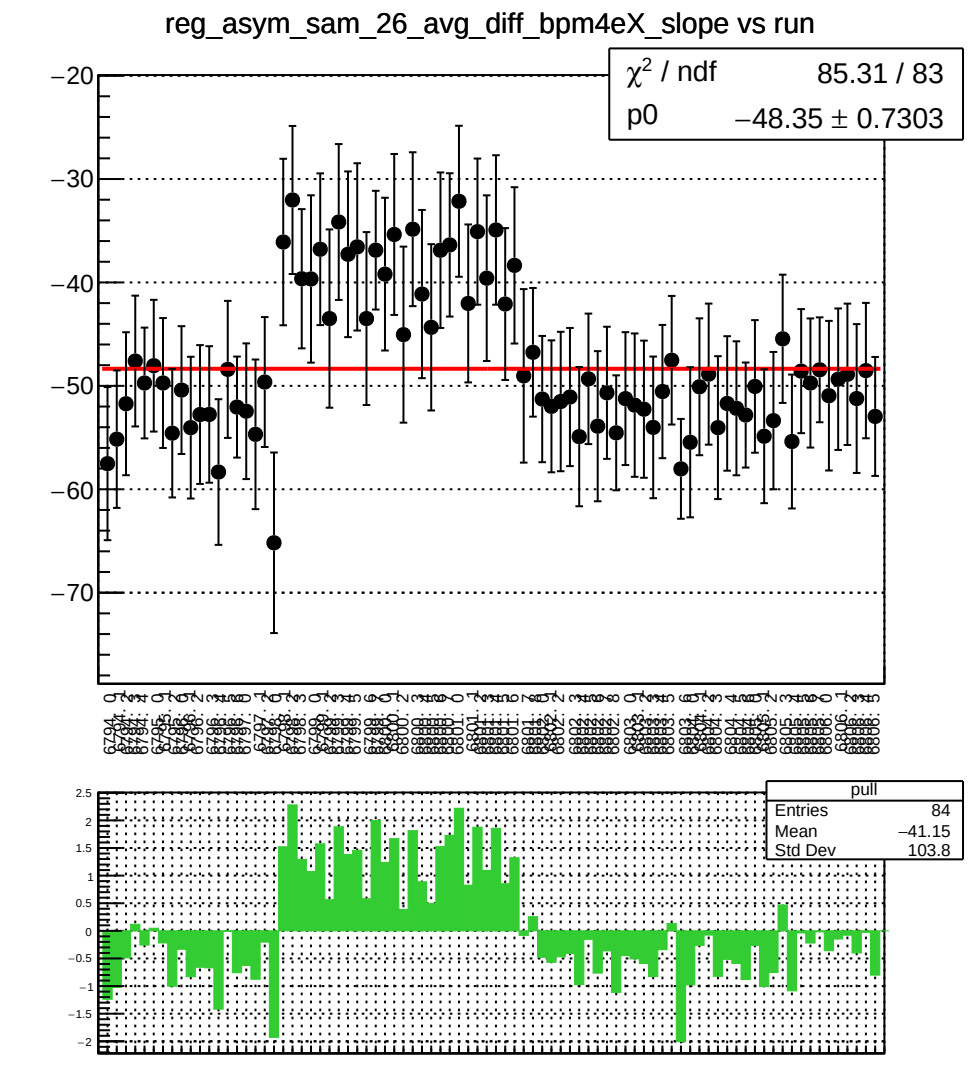

pull1D
Entries 84
Mean −0.0001323
Std Dev 0.7771

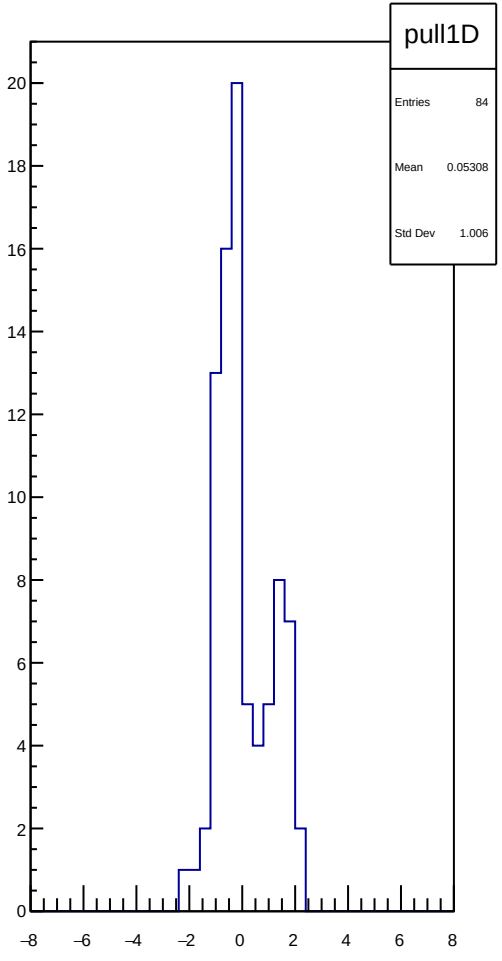

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 28.1 / 83
p0 −0.09846 ± 0.01447
pull
Entries 84
Mean −124.8
Std Dev 180.8
pull1D
Entries 84
Mean 0.02311
Std Dev 0.578

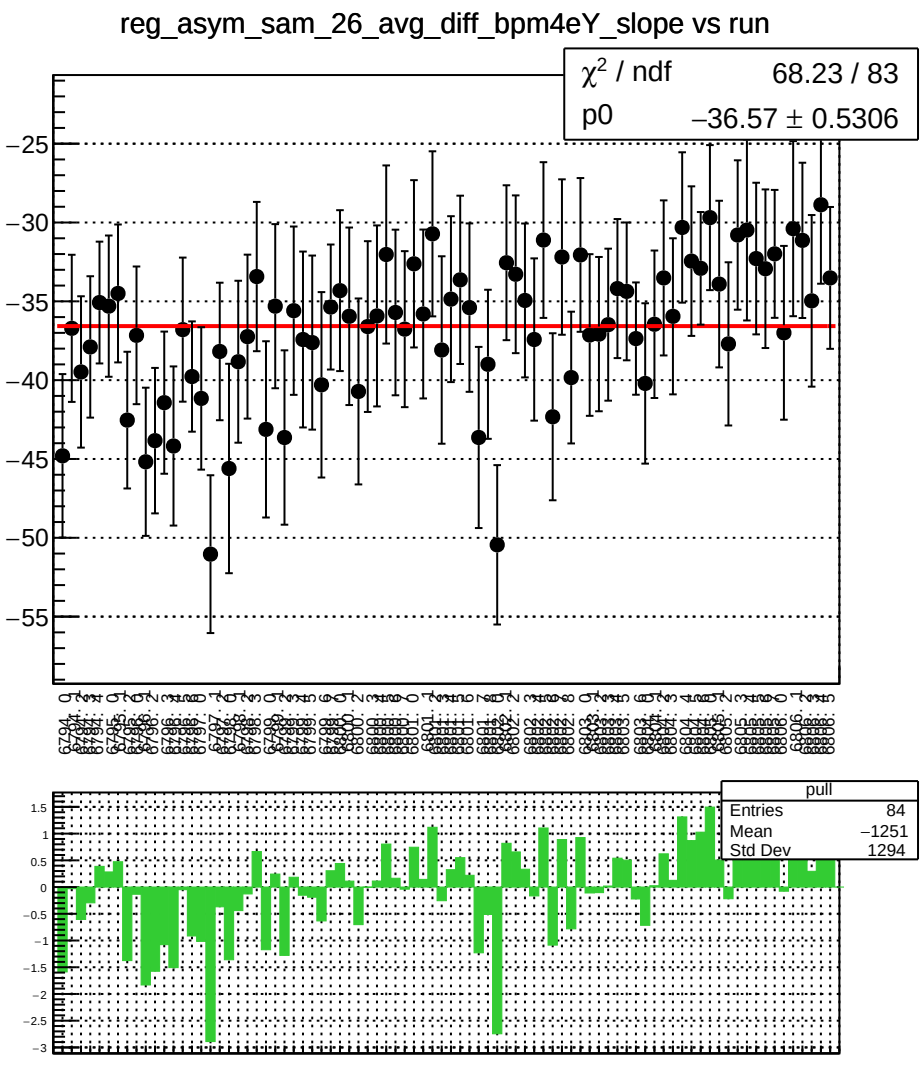

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 79.13 / 83
p0 −18.21 ± 0.7793
pull
Entries 84
Mean −28.49
Std Dev 90.45
pull1D
Entries 84
Mean −0.06848
Std Dev 0.9682

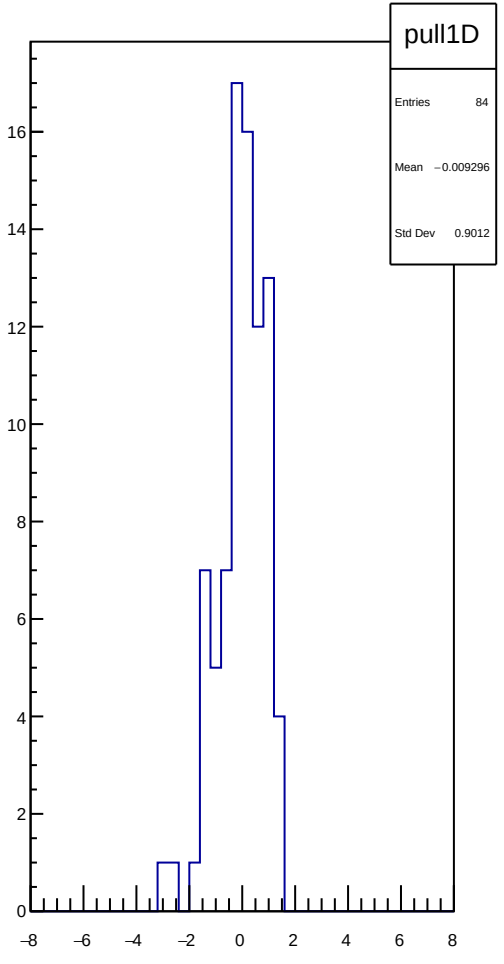

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 60.14 / 83
p0 4.561 ± 0.3795
pull
Entries 84
Mean 1631
Std Dev 1589

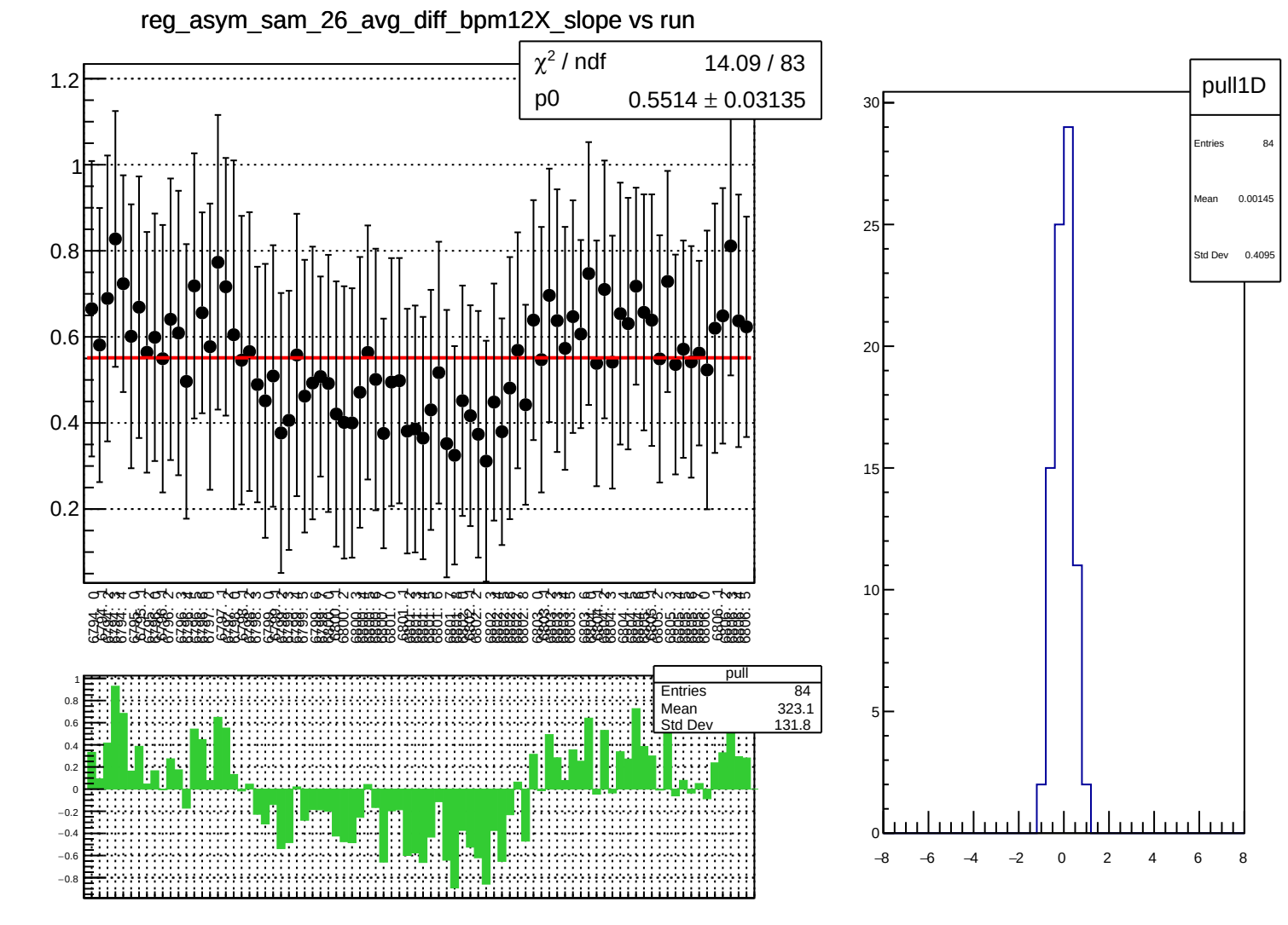

pull1D
Entries 84
Mean −0.006338
Std Dev 0.8461

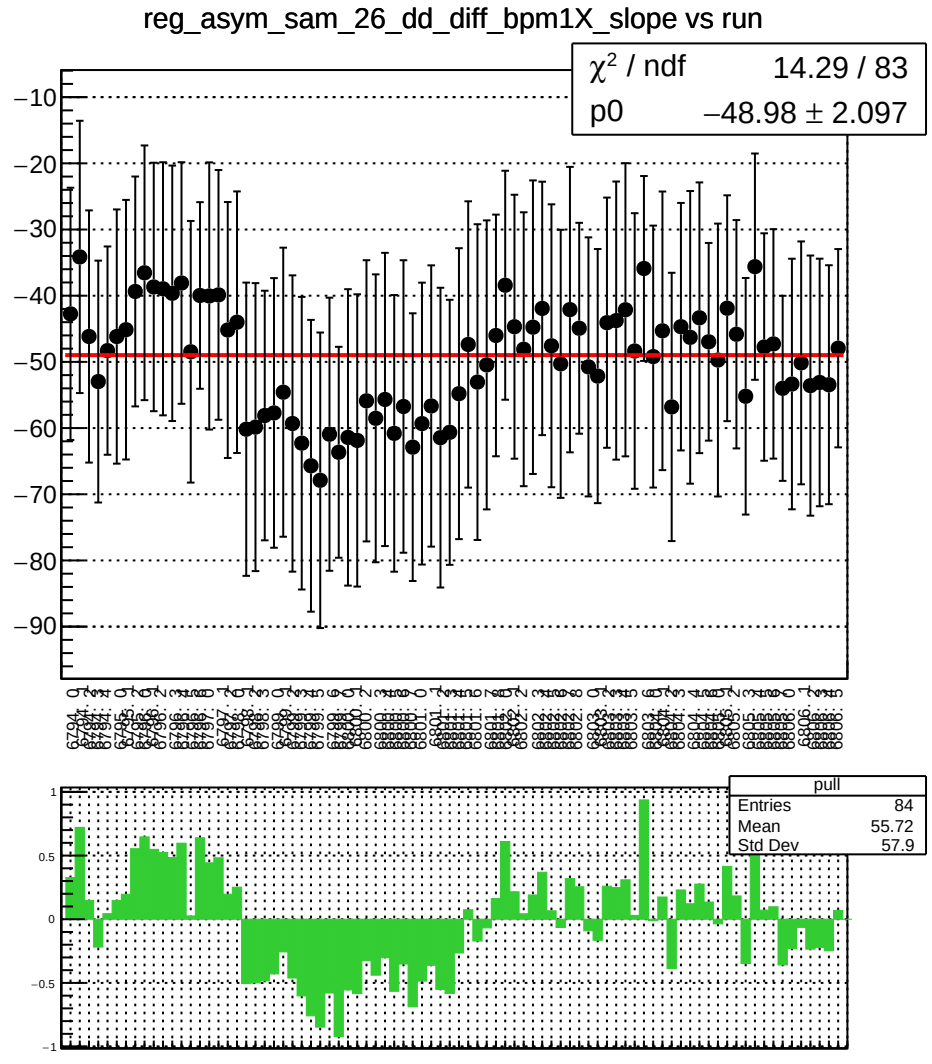

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 85.31 / 83
p0 −48.35 ± 0.7303
pull
Entries 84
Mean −41.15
Std Dev 103.8

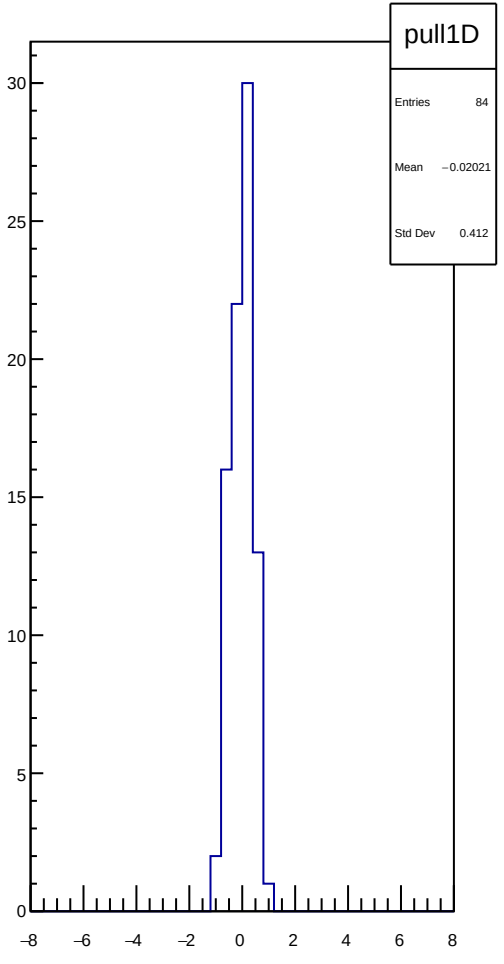

pull1D
Entries 84
Mean 0.05308
Std Dev 1.006

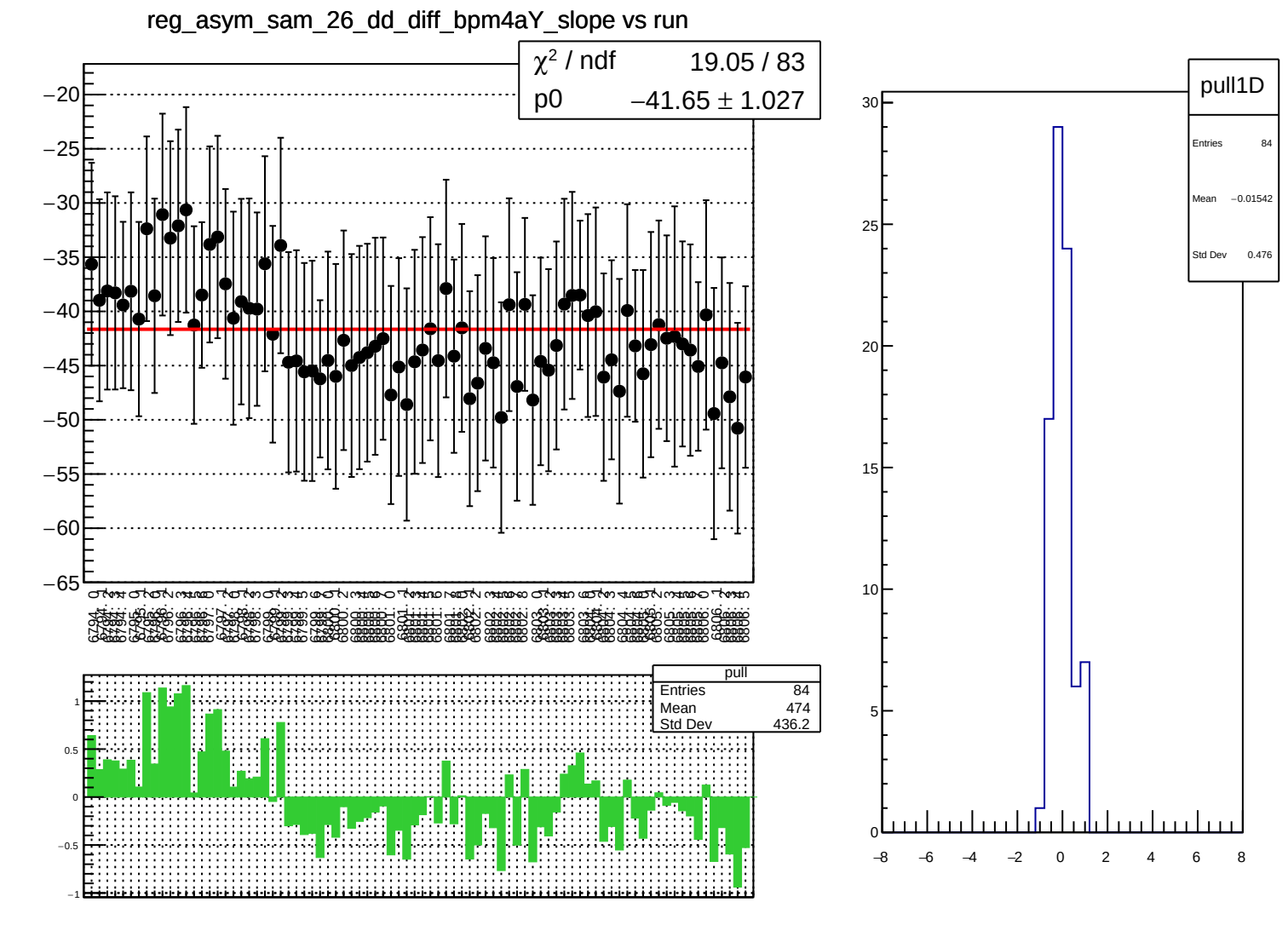

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 68.23 / 83
p0 −36.57 ± 0.5306
pull
Entries 84
Mean −1251
Std Dev 1294

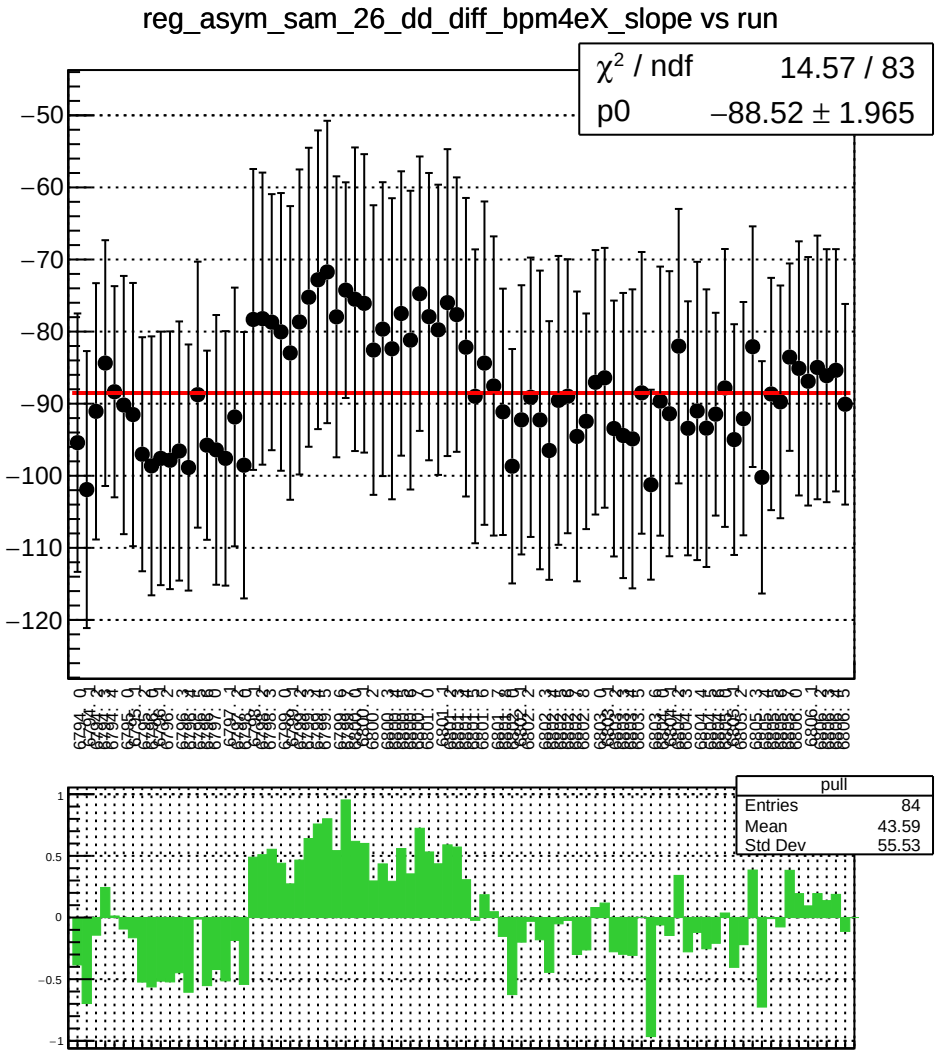

pull1D
Entries 84
Mean −0.009296
Std Dev 0.9012

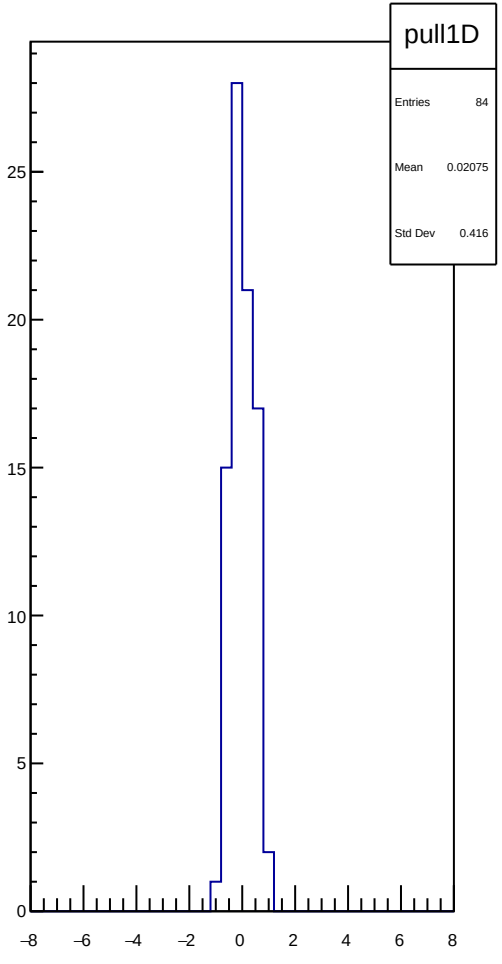

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 14.09 / 83
p0 0.5514 ± 0.03135
pull
Entries 84
Mean 323.1
Std Dev 131.8
pull1D
Entries 84
Mean 0.00145
Std Dev 0.4095

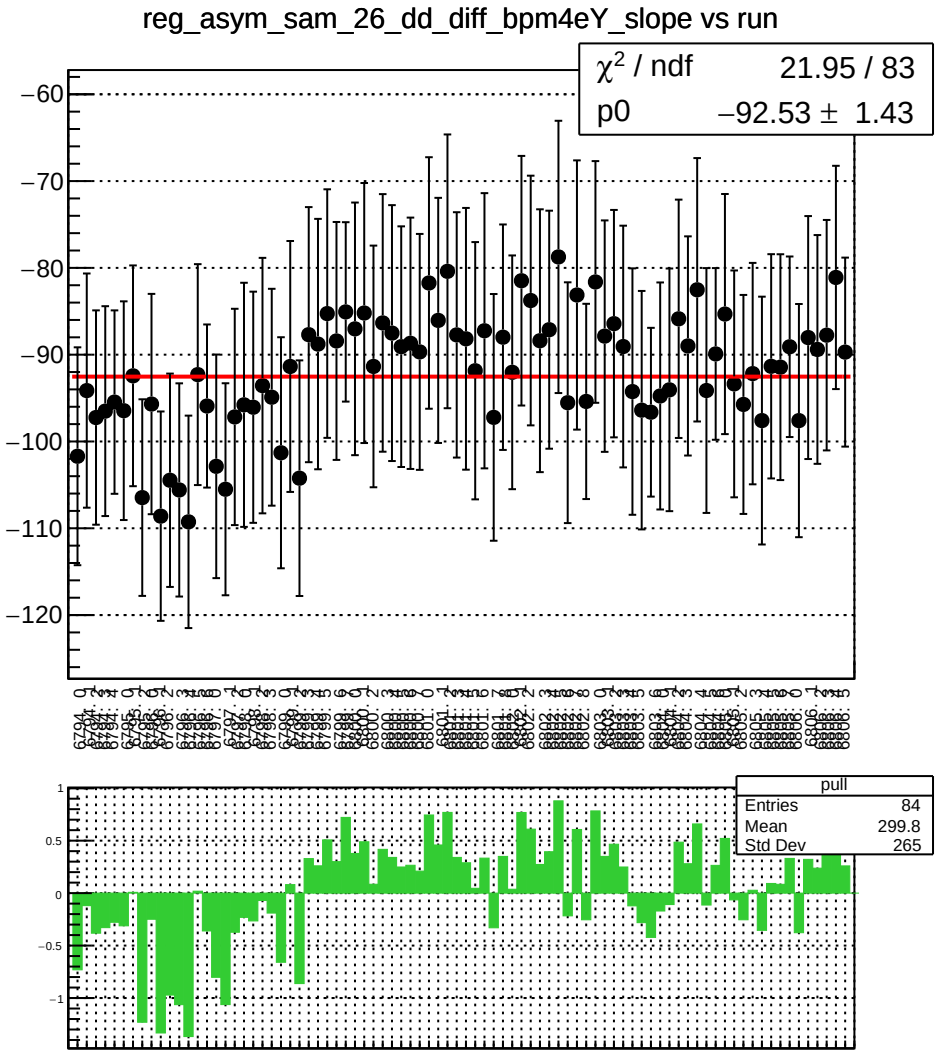

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 14.29 / 83
p0 −48.98 ± 2.097
pull
Entries 84
Mean 55.72
Std Dev 57.9

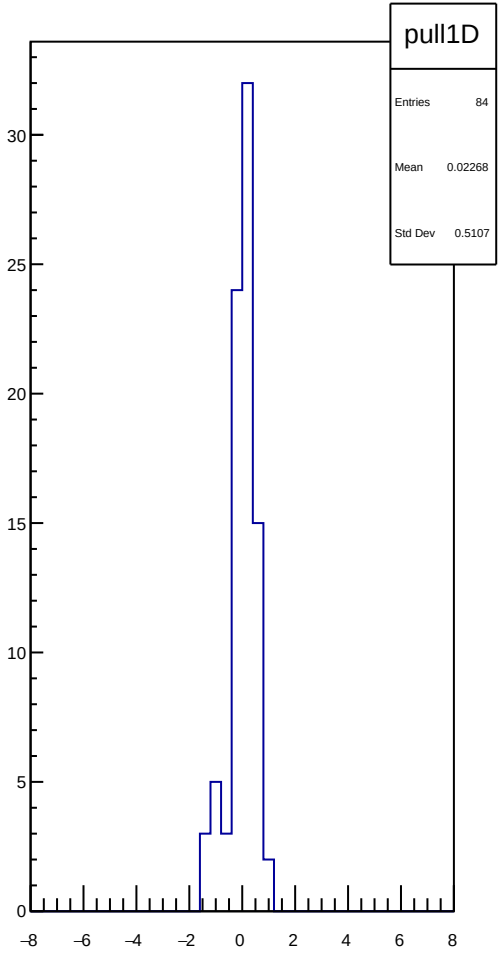

pull1D
Entries 84
Mean −0.02021
Std Dev 0.412

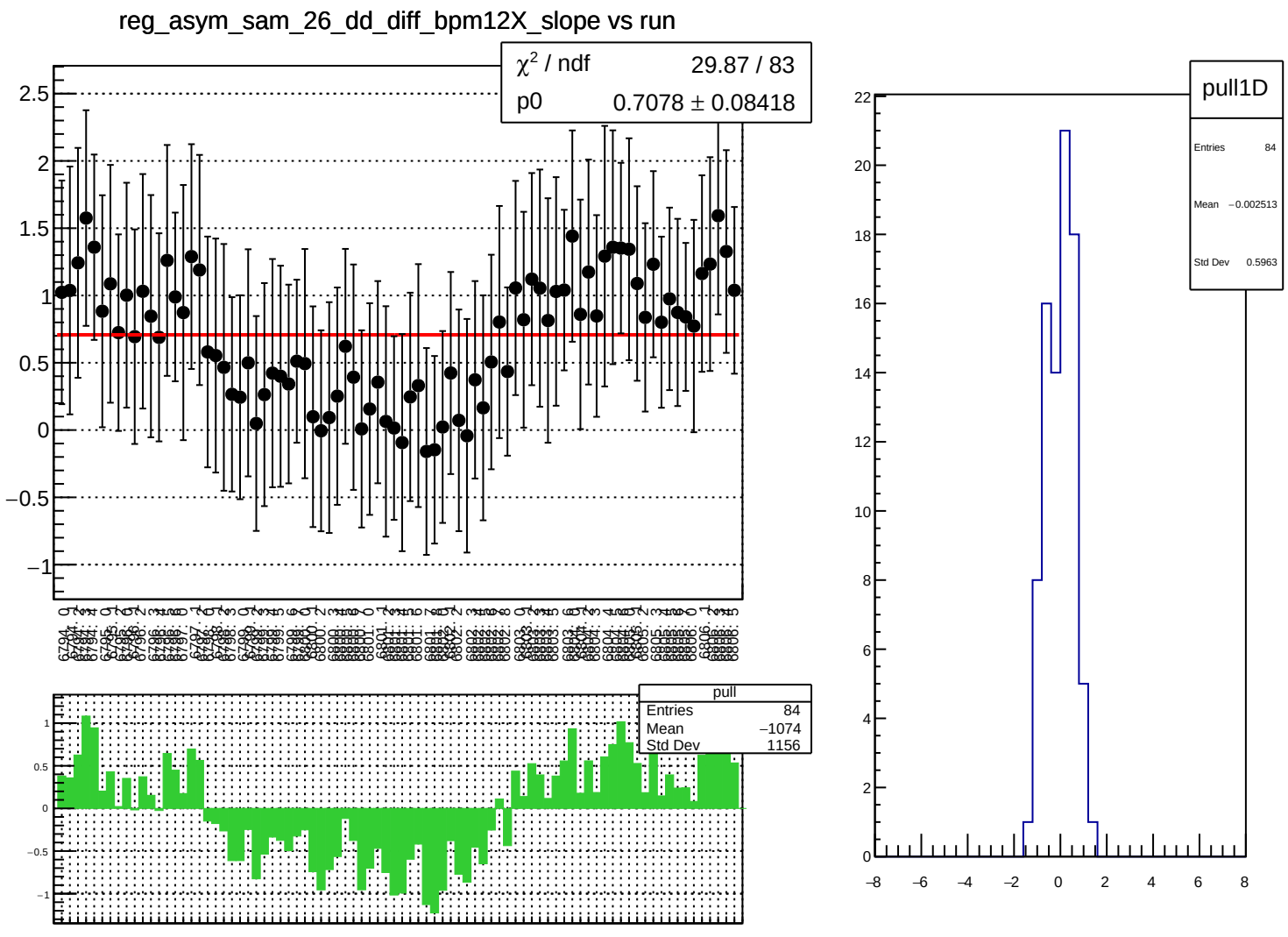

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 19.05 / 83
p0 −41.65 ± 1.027
pull
Entries 84
Mean 474
Std Dev 436.2
pull1D
Entries 84
Mean −0.01542
Std Dev 0.476

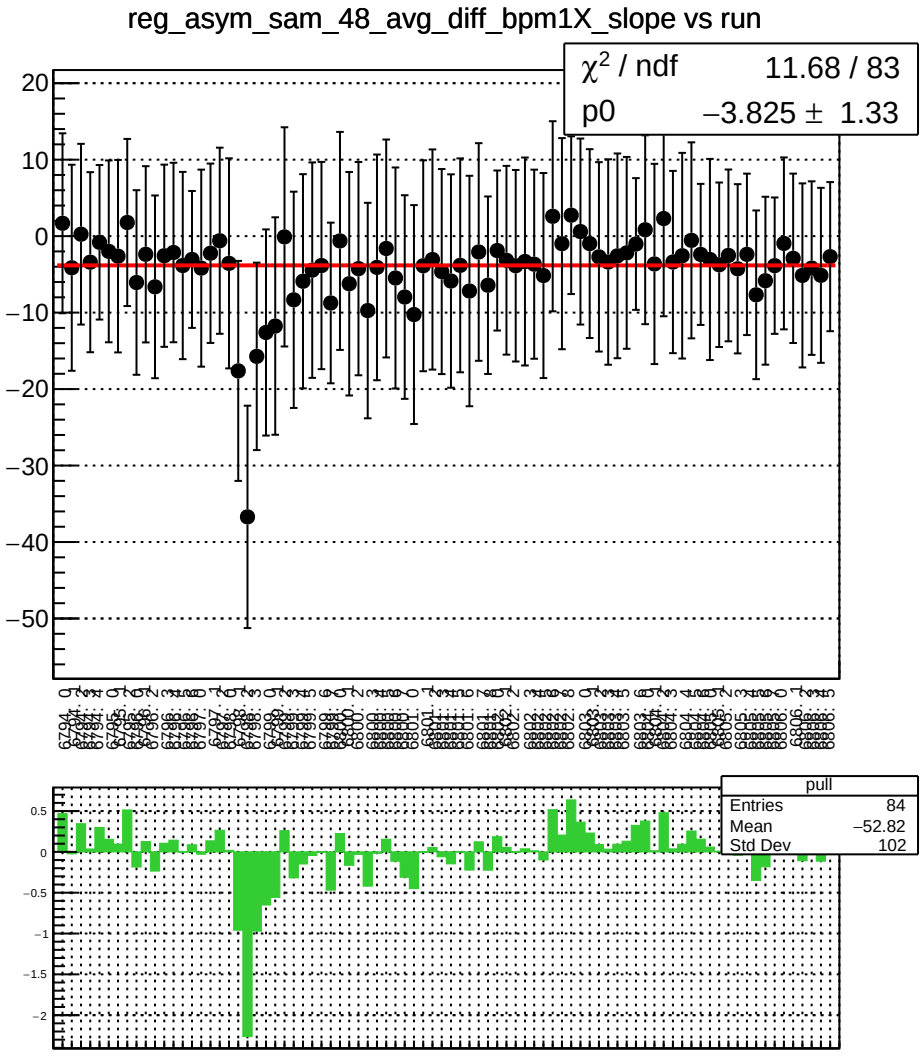

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 14.57 / 83
p0 −88.52 ± 1.965
pull
Entries 84
Mean 43.59
Std Dev 55.53

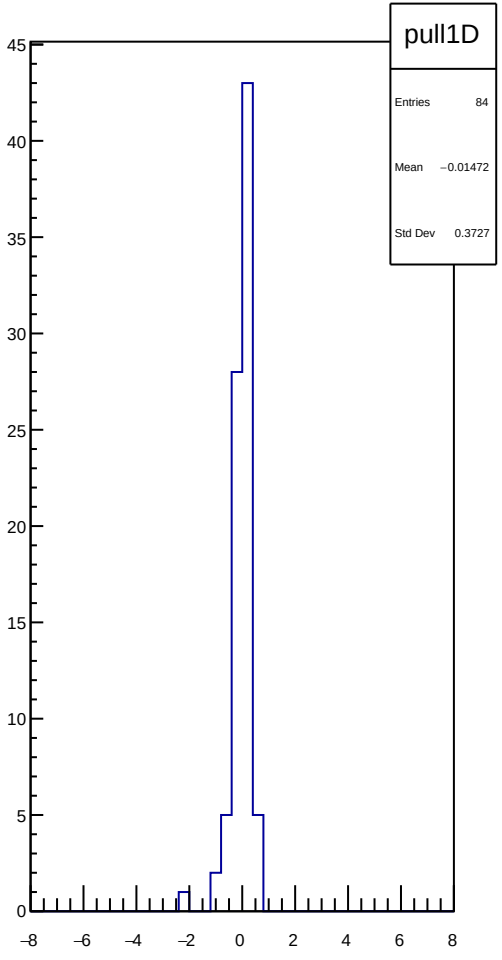

pull1D
Entries 84
Mean 0.02075
Std Dev 0.416

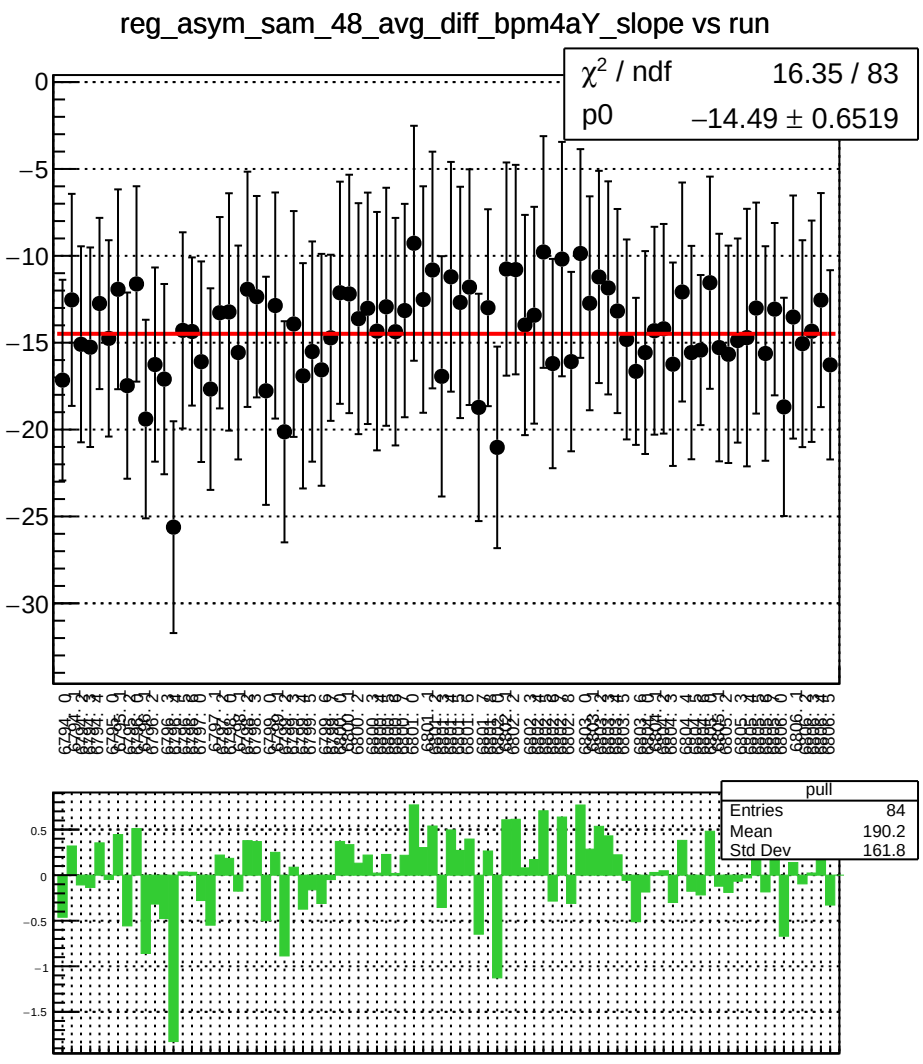

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 21.95 / 83
p0 −92.53 ± 1.43
pull
Entries 84
Mean 299.8
Std Dev 265

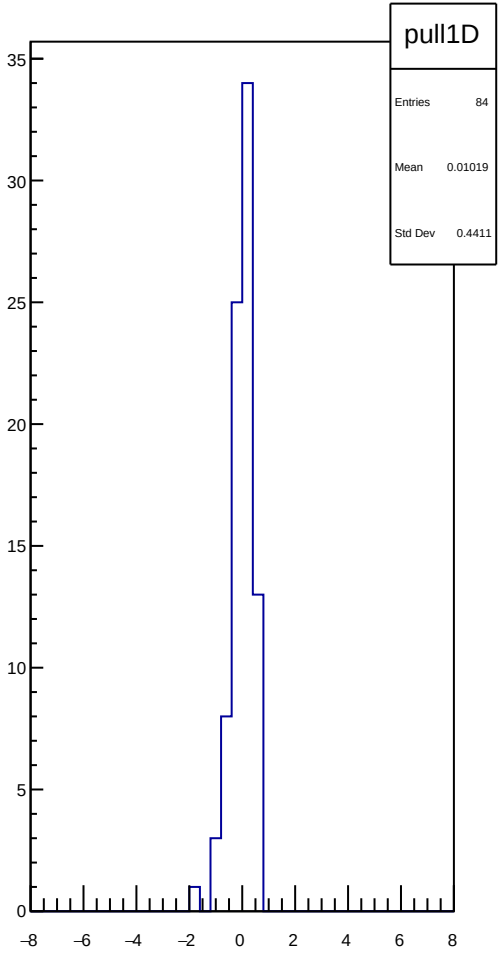

pull1D
Entries 84
Mean 0.02268
Std Dev 0.5107

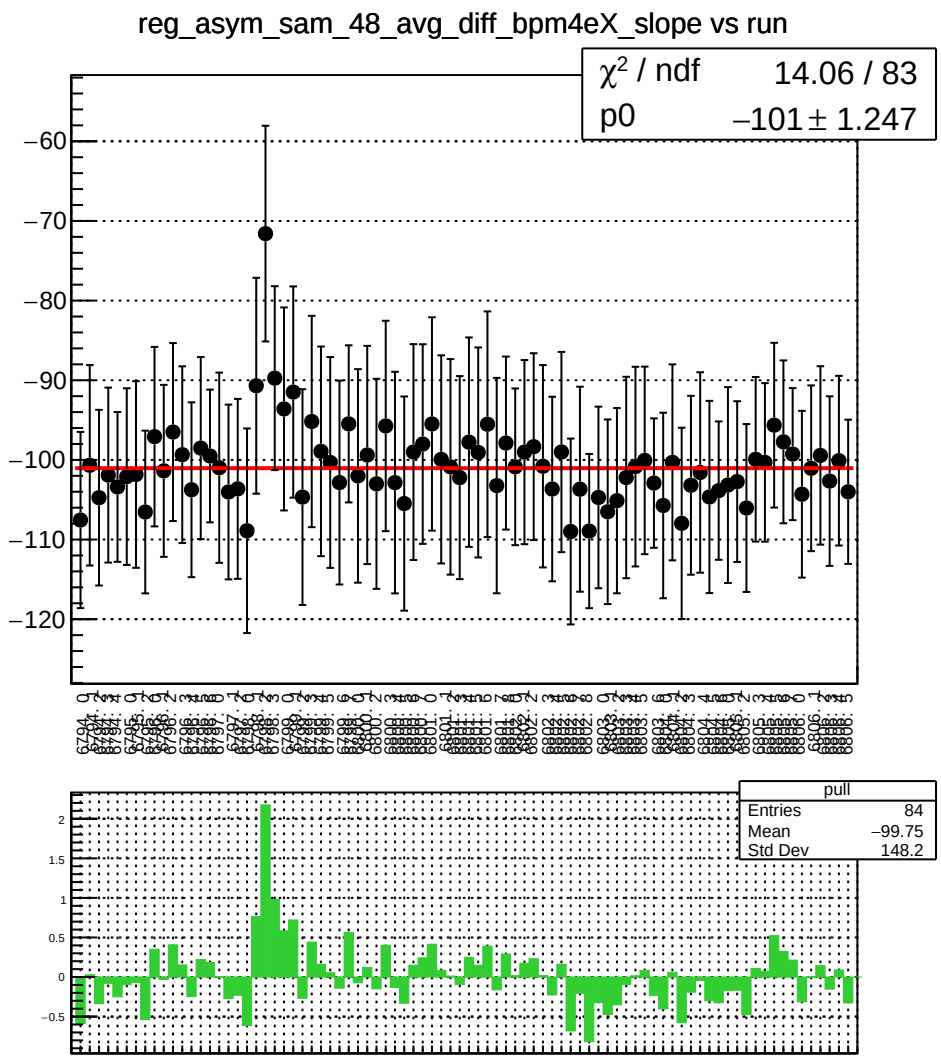

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 29.87 / 83
p0 0.7078 ± 0.08418
pull
Entries 84
Mean −1074
Std Dev 1156
pull1D
Entries 84
Mean −0.002513
Std Dev 0.5963

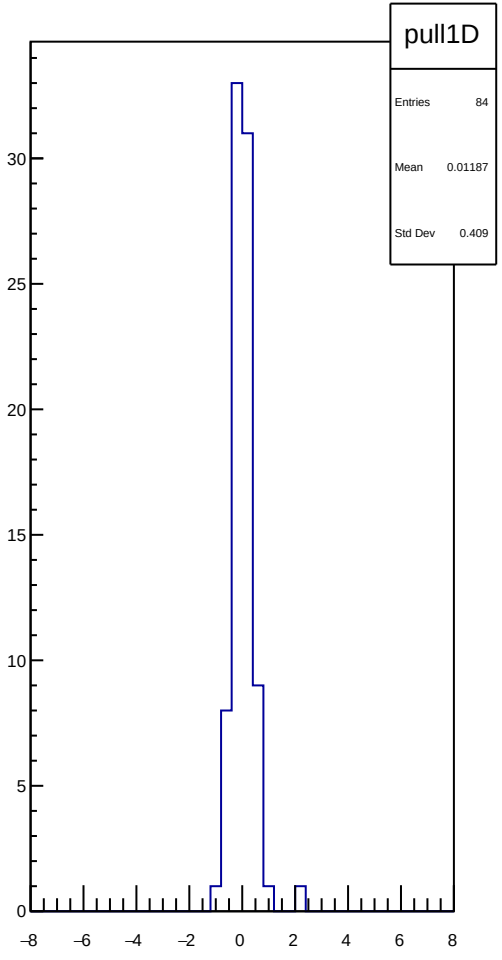

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 11.68 / 83
p0 −3.825 ± 1.33
pull
Entries 84
Mean −52.82
Std Dev 102

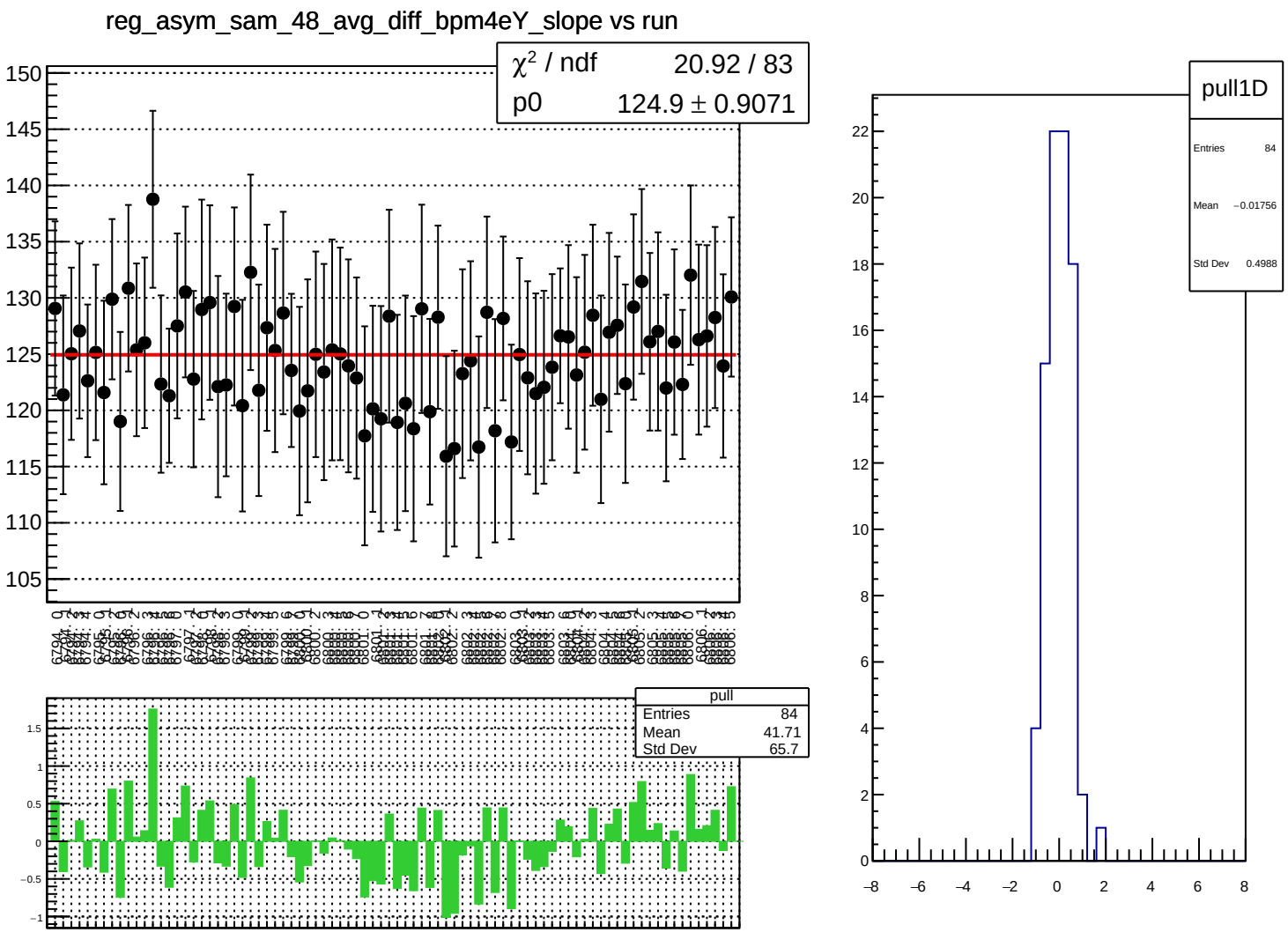

pull1D
Entries 84
Mean −0.01472
Std Dev 0.3727

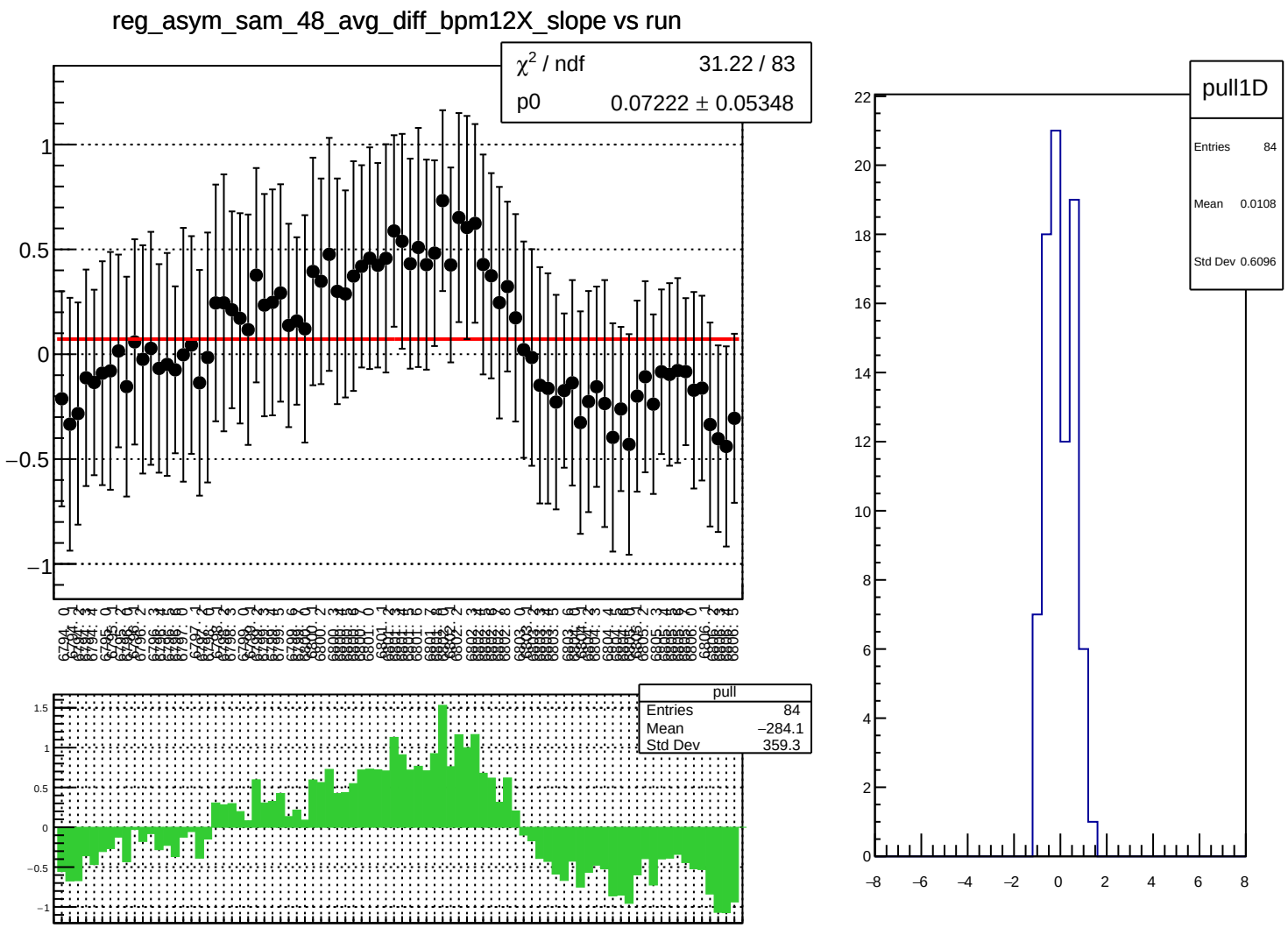

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 16.35 / 83
p0 −14.49 ± 0.6519
pull
Entries 84
Mean 190.2
Std Dev 161.8

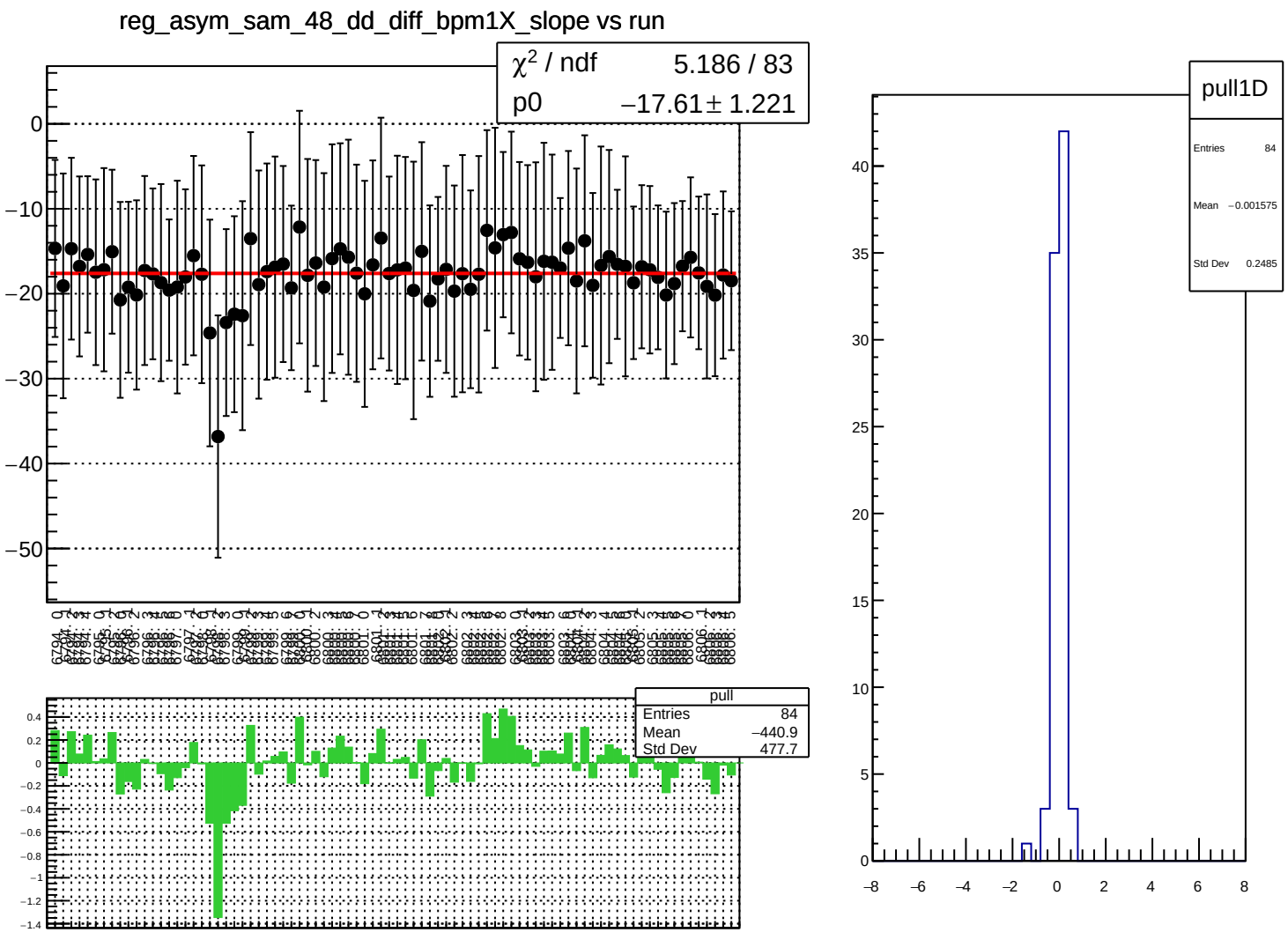

pull1D
Entries 84
Mean 0.01019
Std Dev 0.4411

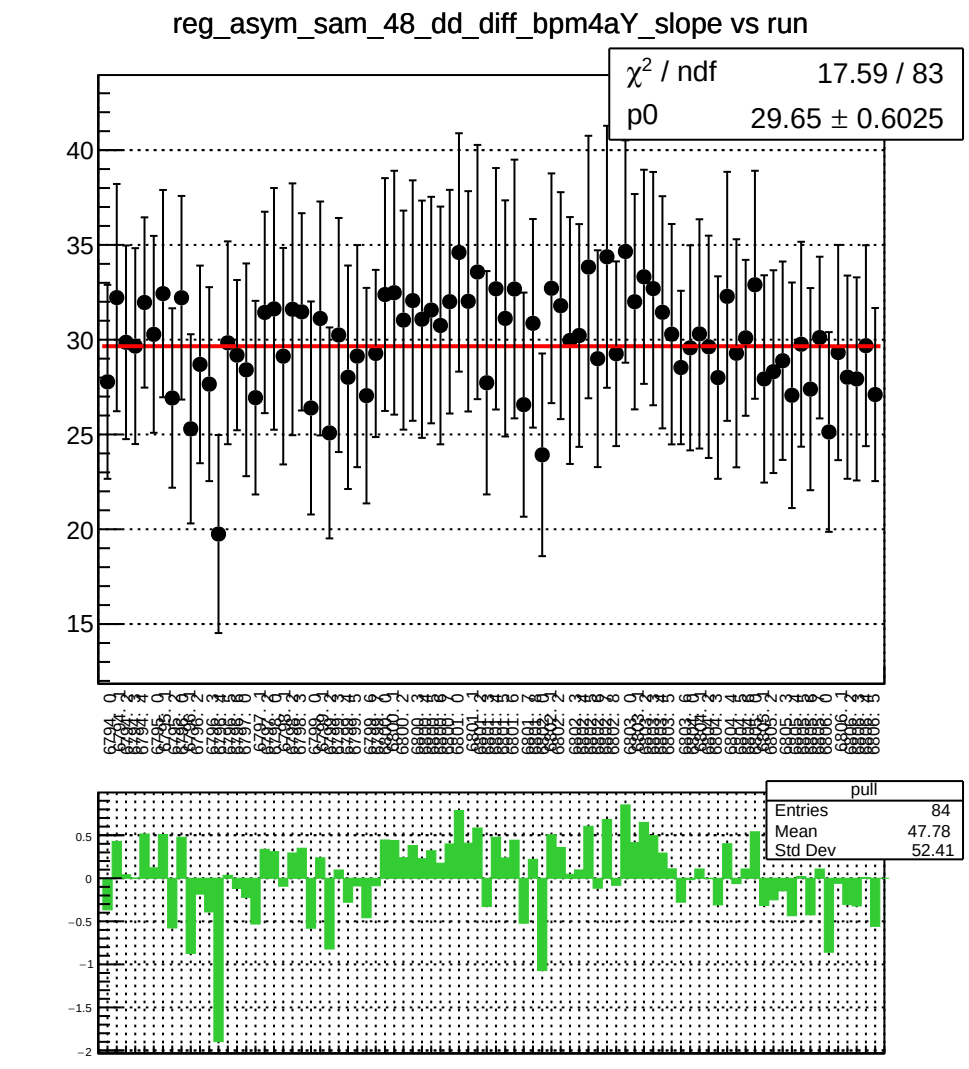

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 14.06 / 83
p0 −101 ± 1.247
pull
Entries 84
Mean −99.75
Std Dev 148.2

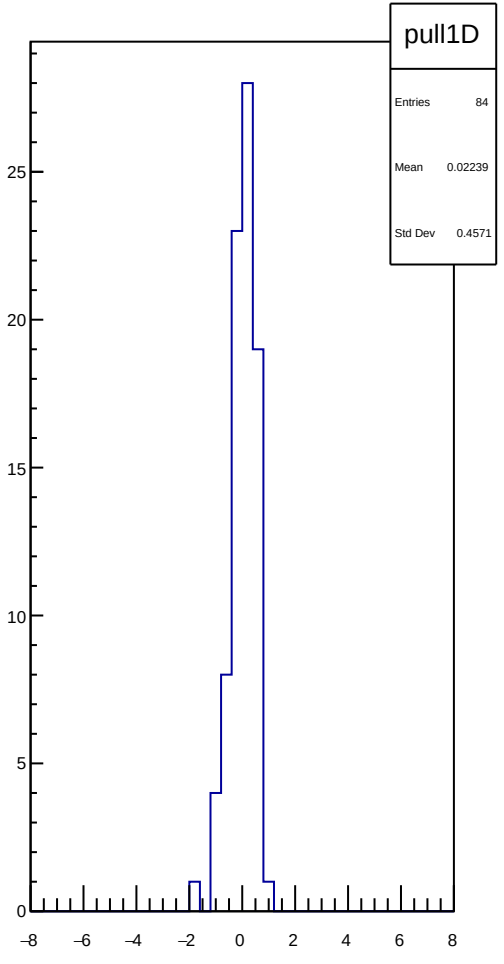

pull1D
Entries 84
Mean 0.01187
Std Dev 0.409

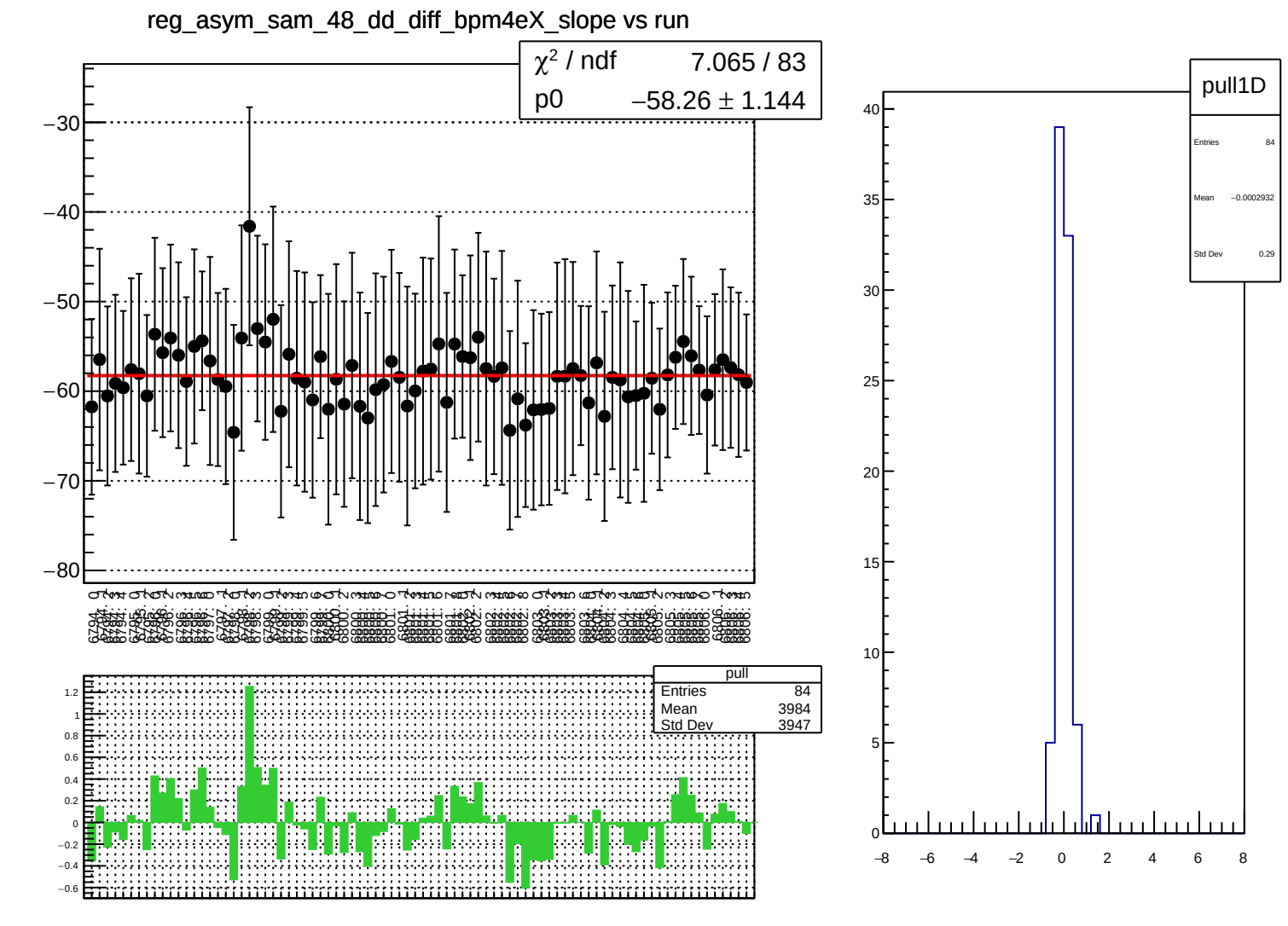

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 20.92 / 83
p0 124.9 ± 0.9071
pull
Entries 84
Mean 41.71
Std Dev 65.7
pull1D
Entries 84
Mean −0.01756
Std Dev 0.4988

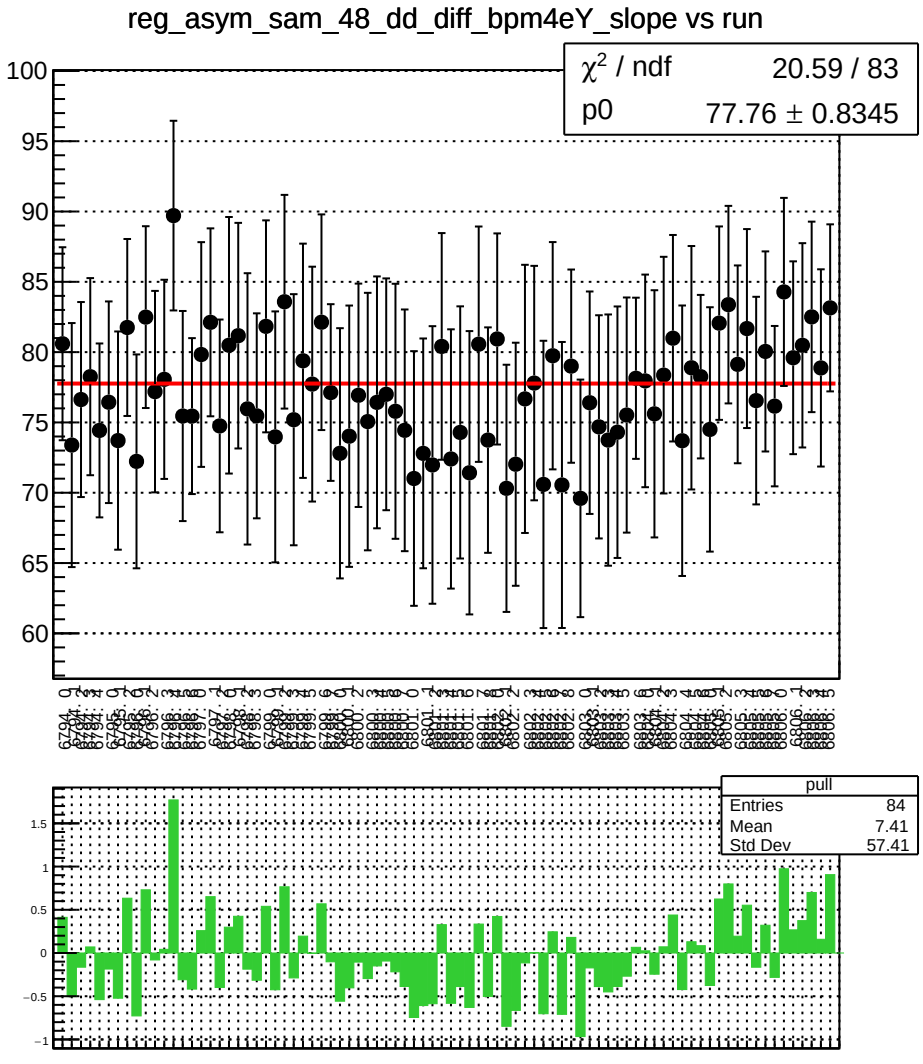

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 31.22 / 83
p0 0.07222 ± 0.05348
pull
Entries 84
Mean −284.1
Std Dev 359.3
pull1D
Entries 84
Mean 0.0108
Std Dev 0.6096

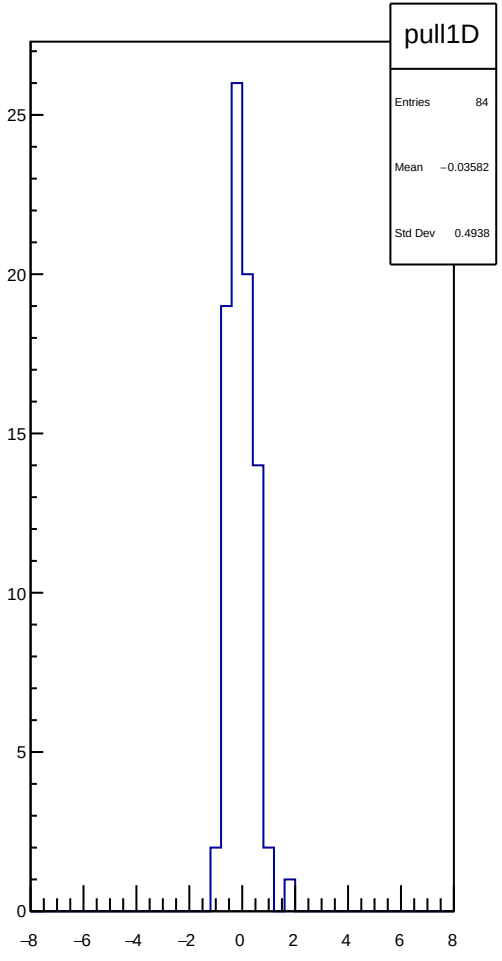

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 5.186 / 83
p0 −17.61 ± 1.221
pull
Entries 84
Mean −440.9
Std Dev 477.7
pull1D
Entries 84
Mean −0.001575
Std Dev 0.2485

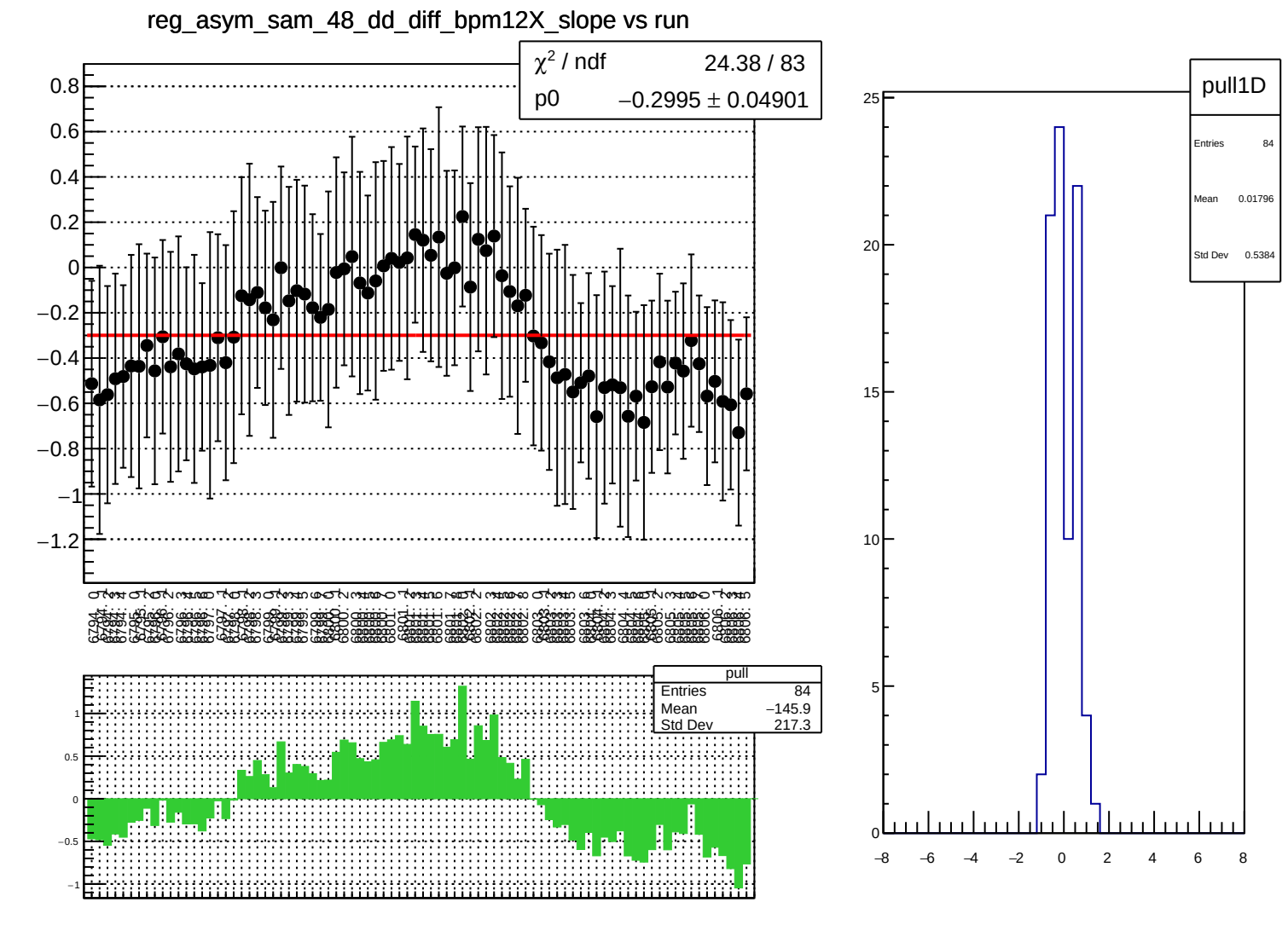

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 17.59 / 83
p0 29.65 ± 0.6025
pull
Entries 84
Mean 47.78
Std Dev 52.41

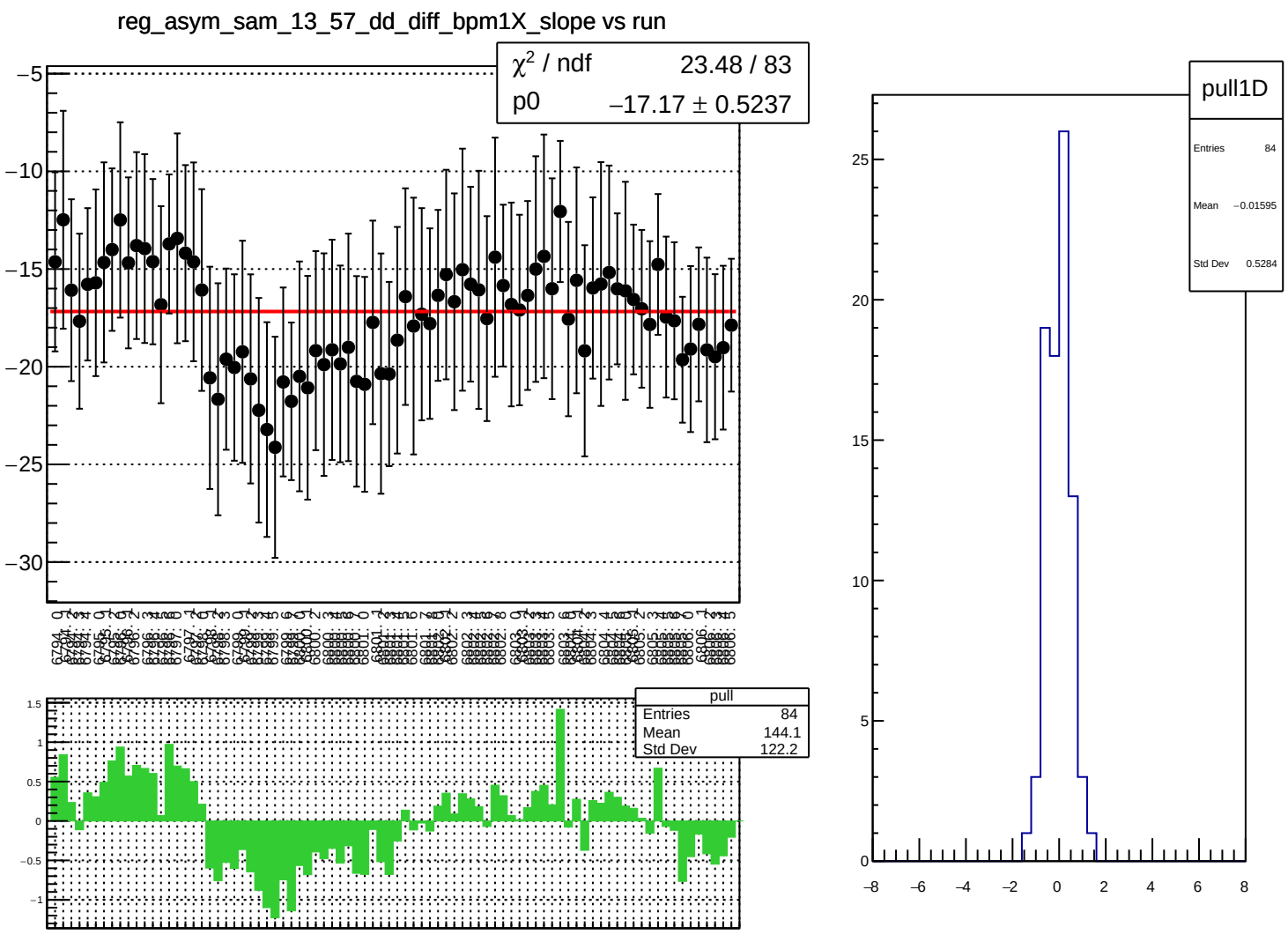

pull1D
Entries 84
Mean 0.02239
Std Dev 0.4571

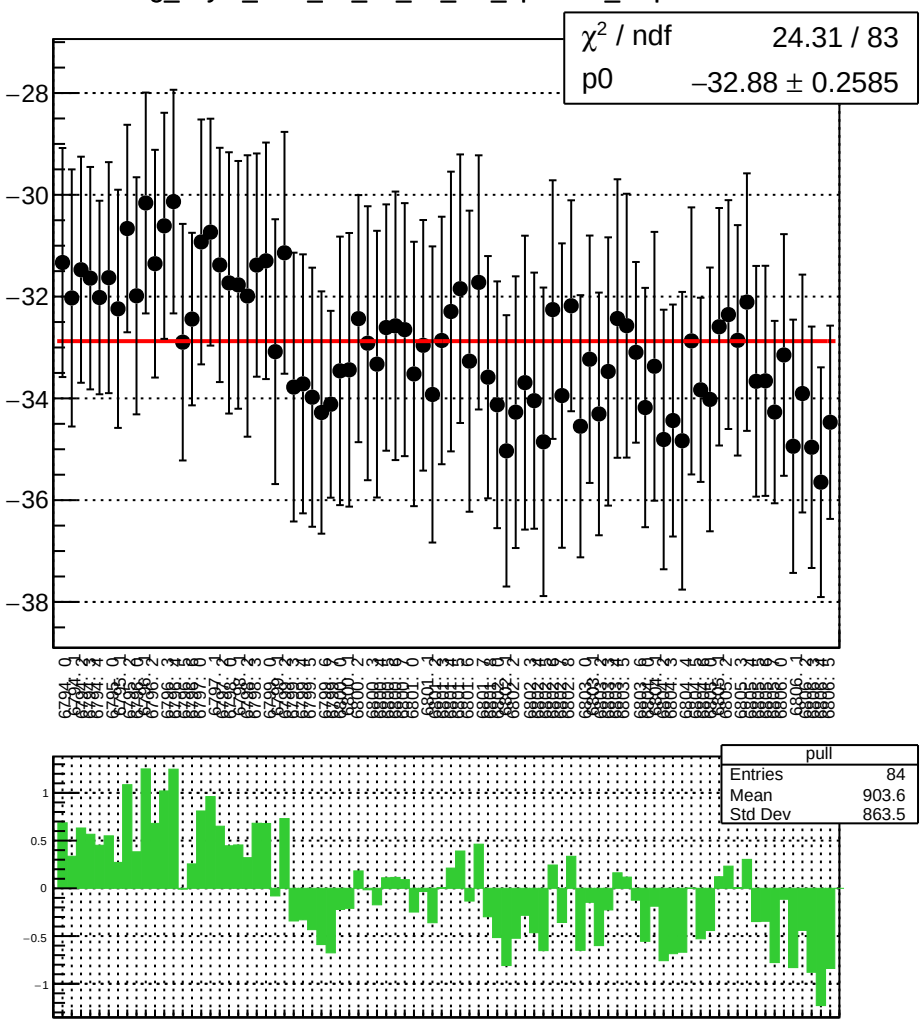

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 7.065 / 83
p0 −58.26 ± 1.144
pull
Entries 84
Mean 3984
Std Dev 3947
pull1D
Entries 84
Mean −0.0002932
Std Dev 0.29

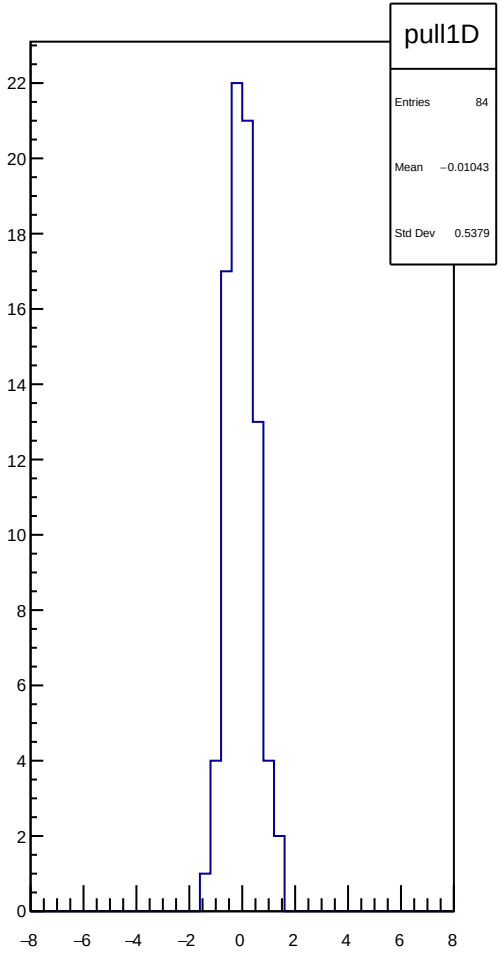

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 20.59 / 83
p0 77.76 ± 0.8345
pull
Entries 84
Mean 7.41
Std Dev 57.41

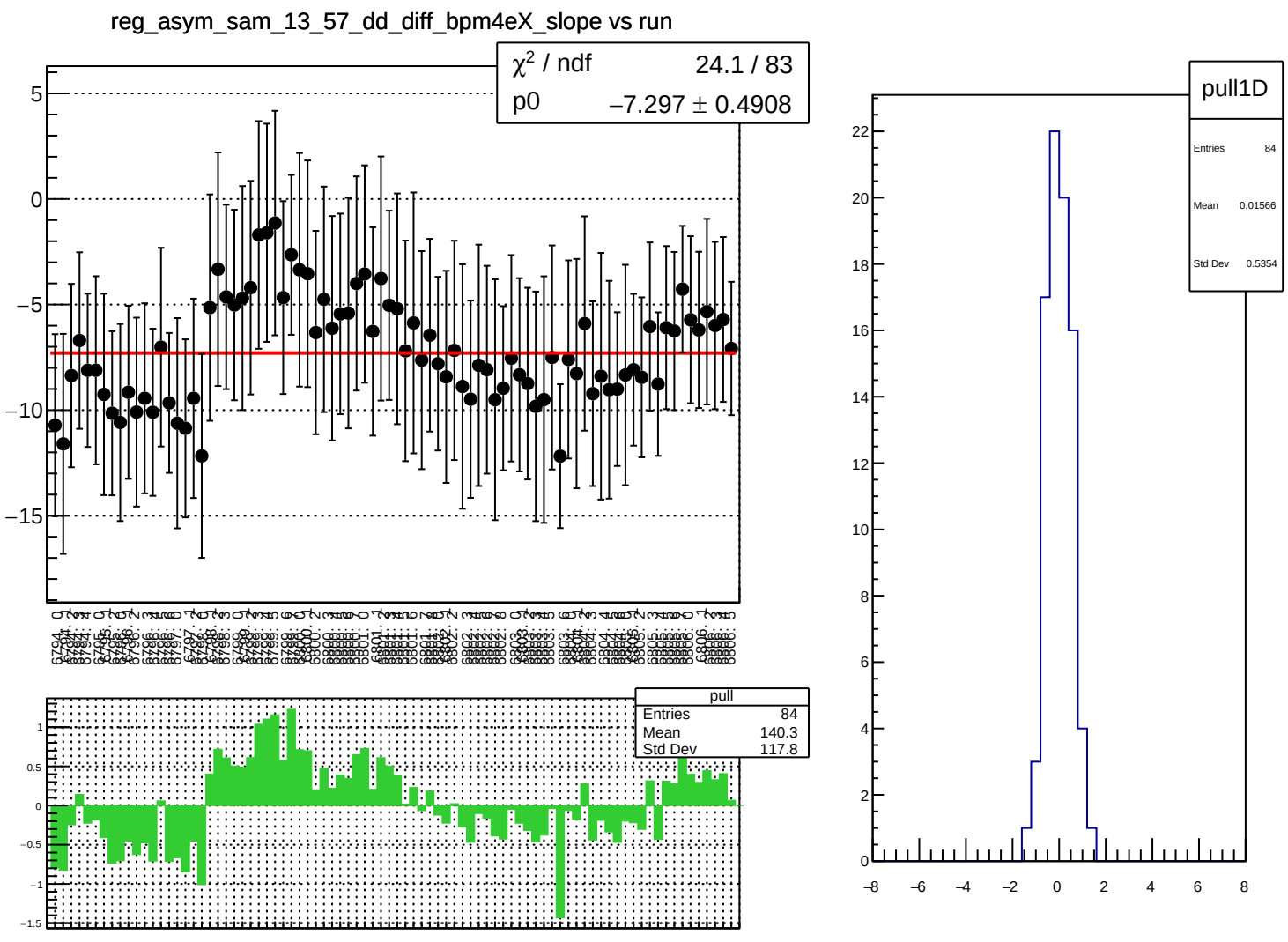

pull1D
Entries 84
Mean −0.03582
Std Dev 0.4938

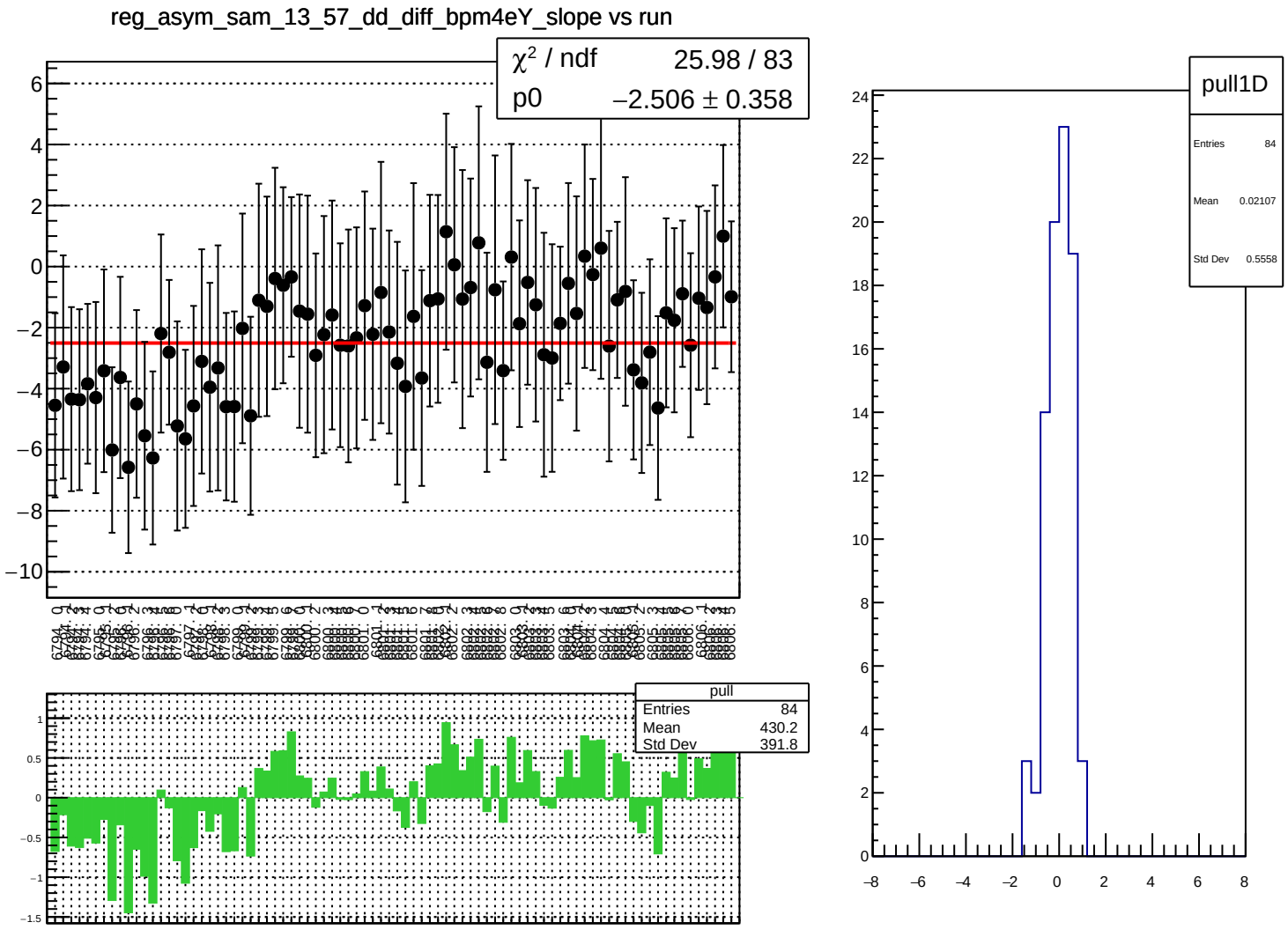

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 24.38 / 83
p0 −0.2995 ± 0.04901
pull
Entries 84
Mean −145.9
Std Dev 217.3
pull1D
Entries 84
Mean 0.01796
Std Dev 0.5384

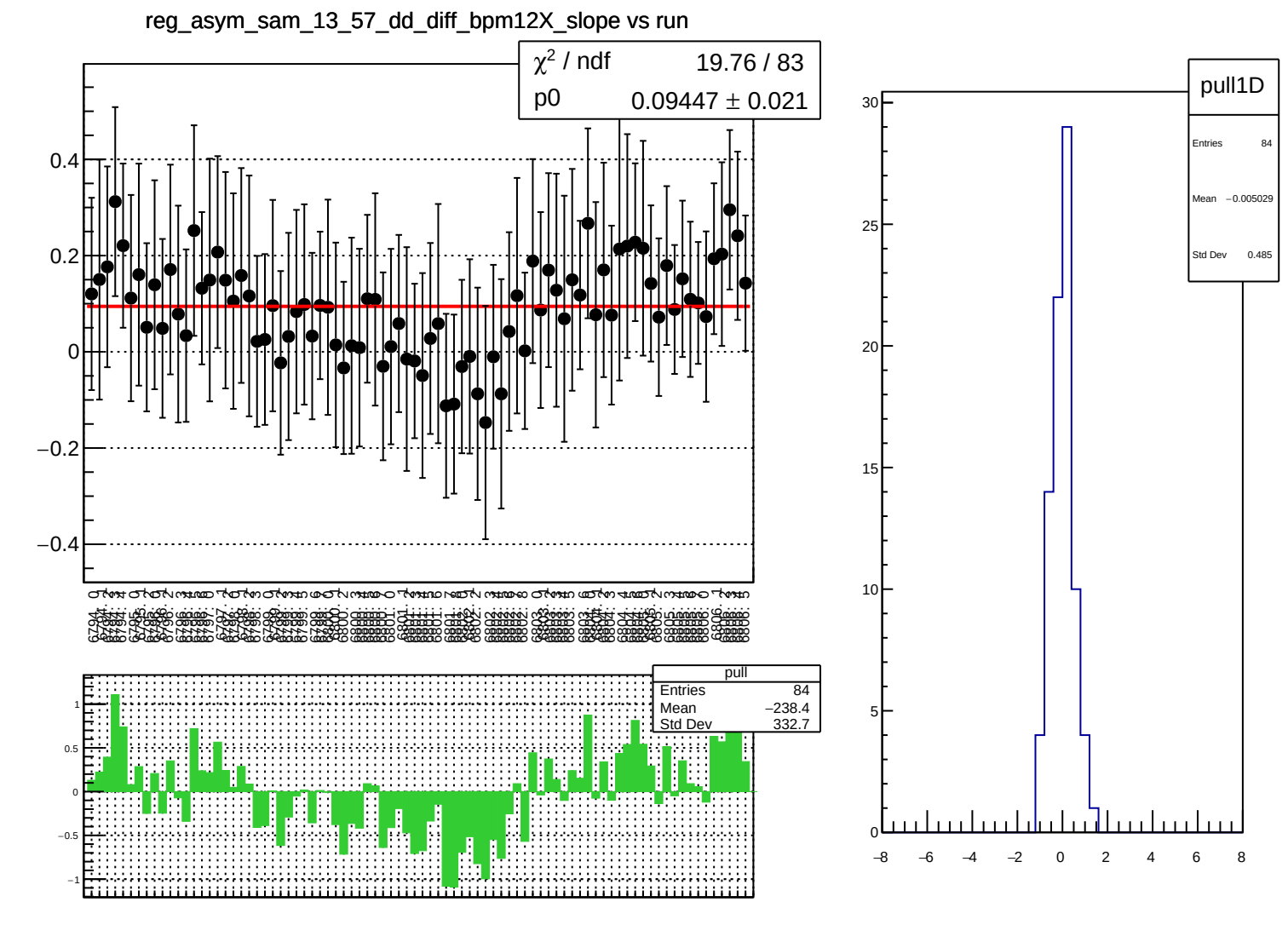

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 23.48 / 83
p0 −17.17 ± 0.5237
pull
Entries 84
Mean 144.1
Std Dev 122.2
pull1D
Entries 84
Mean −0.01595
Std Dev 0.5284

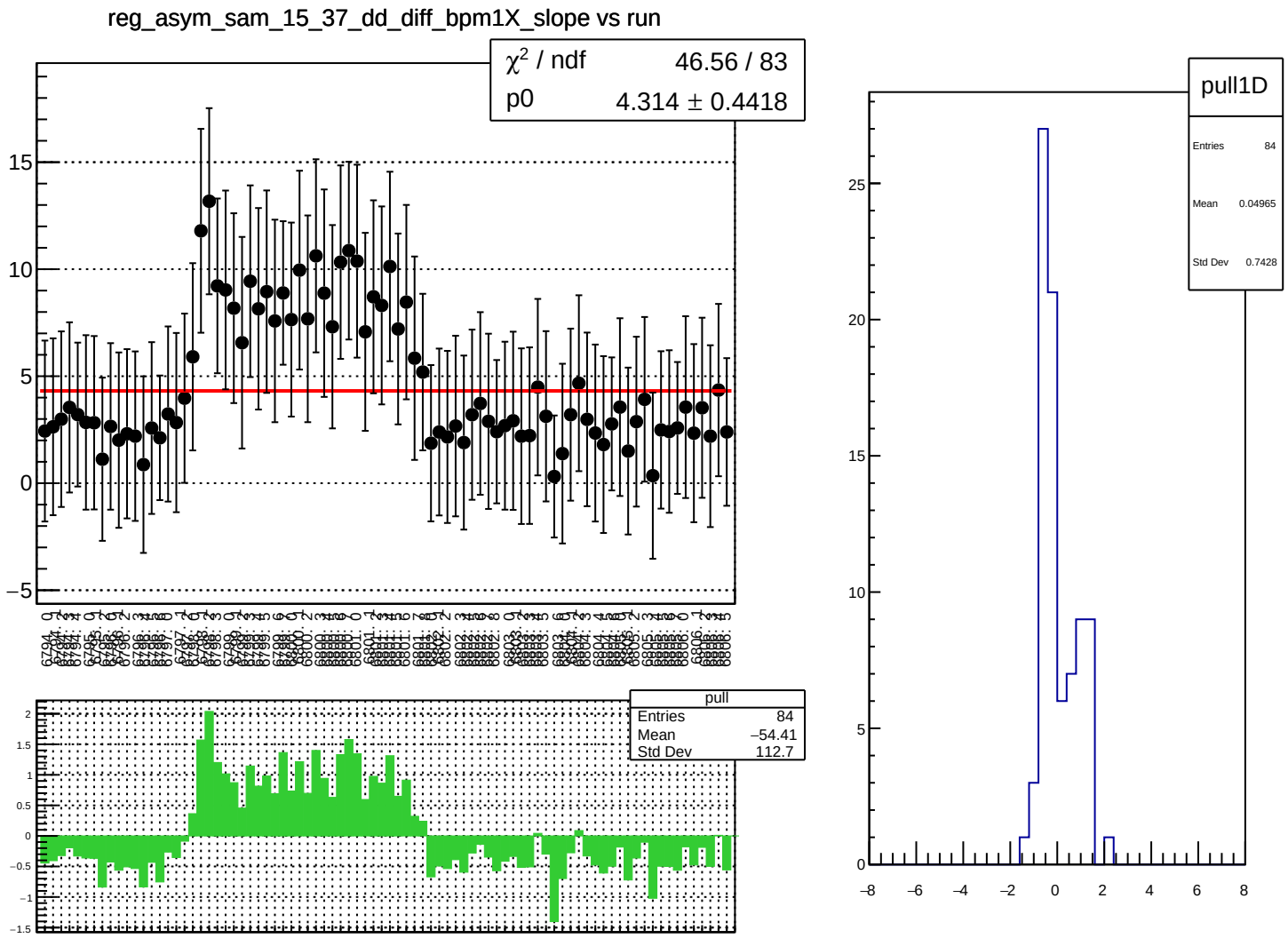

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 24.31 / 83
p0 −32.88 ± 0.2585
pull
Entries 84
Mean 903.6
Std Dev 863.5

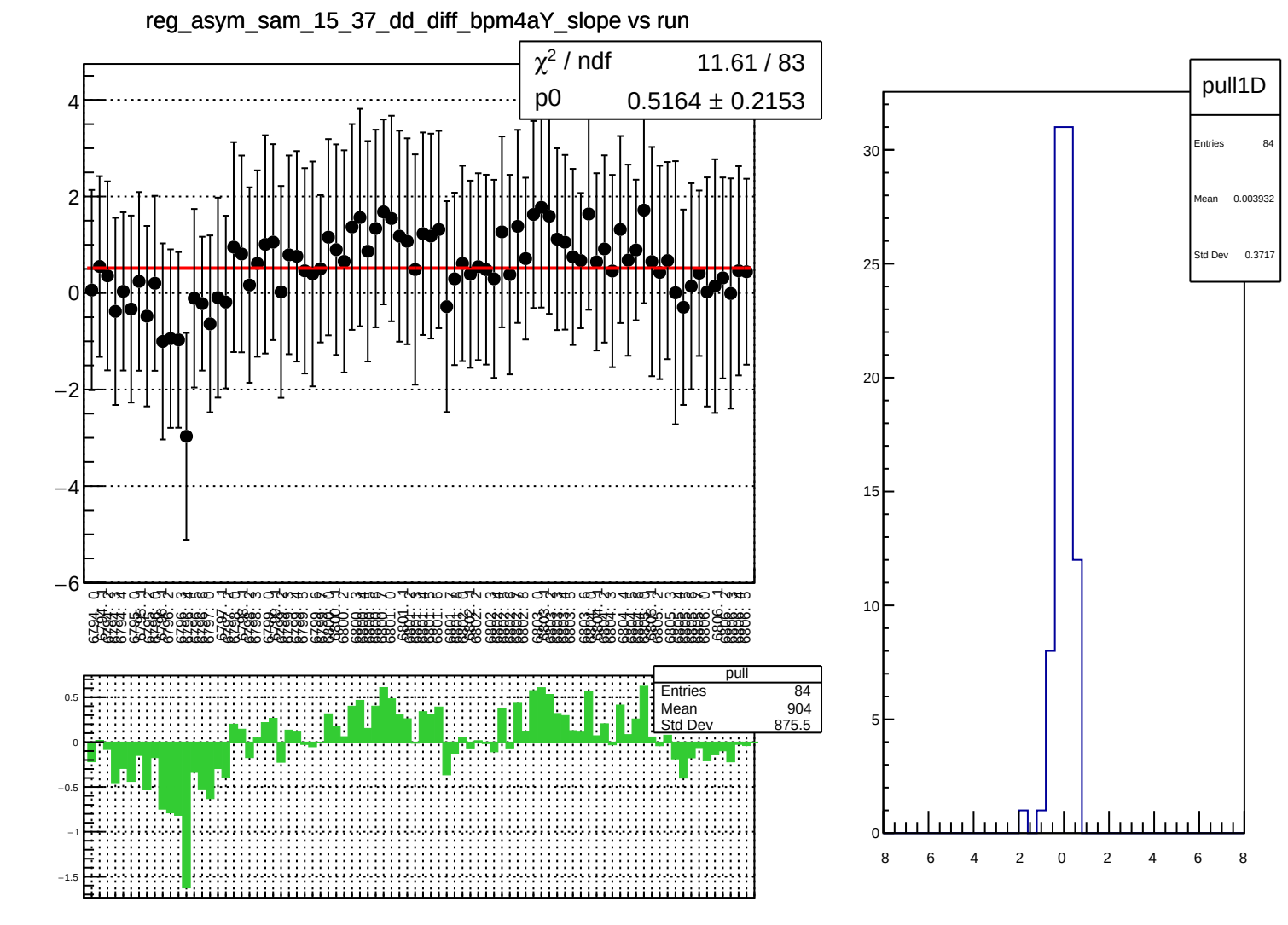

pull1D
Entries 84
Mean −0.01043
Std Dev 0.5379

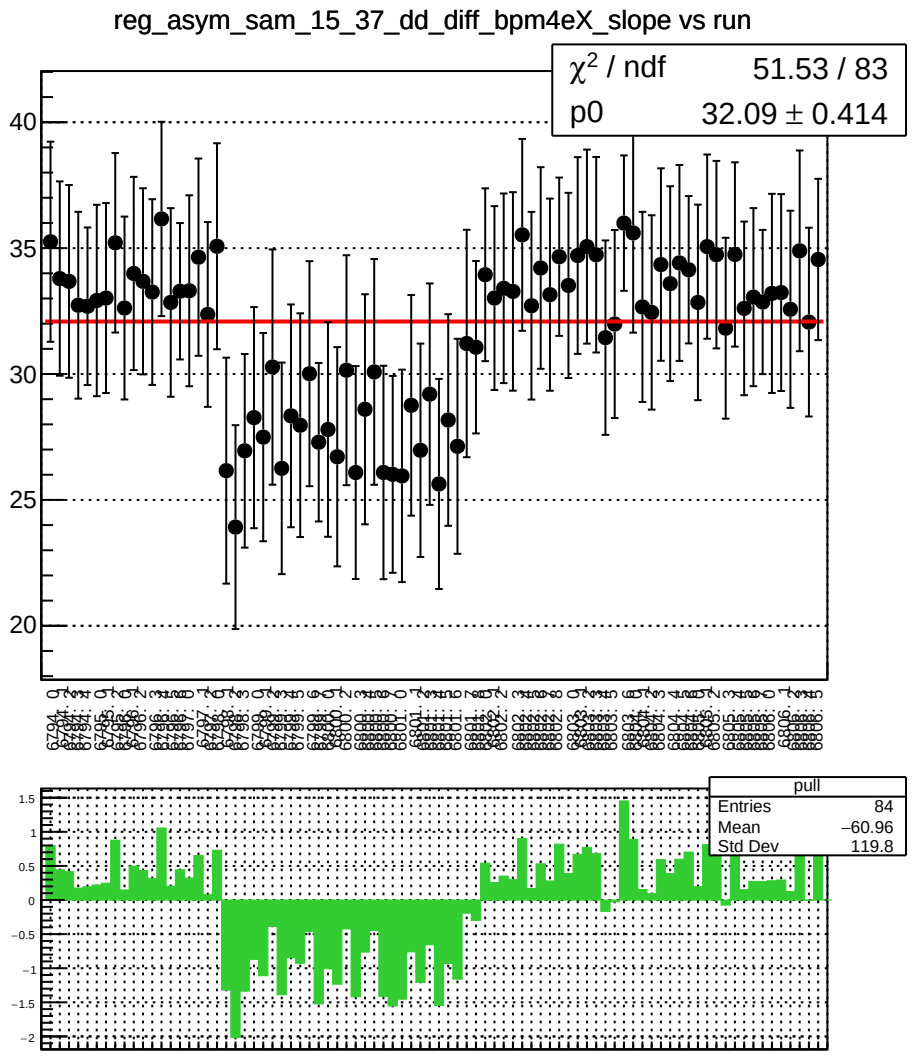

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 24.1 / 83
p0 −7.297 ± 0.4908
pull
Entries 84
Mean 140.3
Std Dev 117.8
pull1D
Entries 84
Mean 0.01566
Std Dev 0.5354

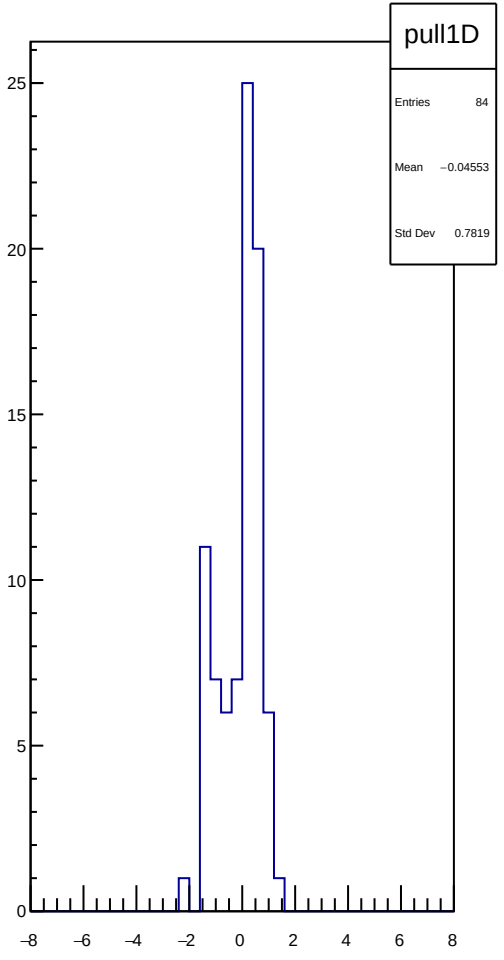

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 25.98 / 83
p0 −2.506 ± 0.358
pull
Entries 84
Mean 430.2
Std Dev 391.8
pull1D
Entries 84
Mean 0.02107
Std Dev 0.5558

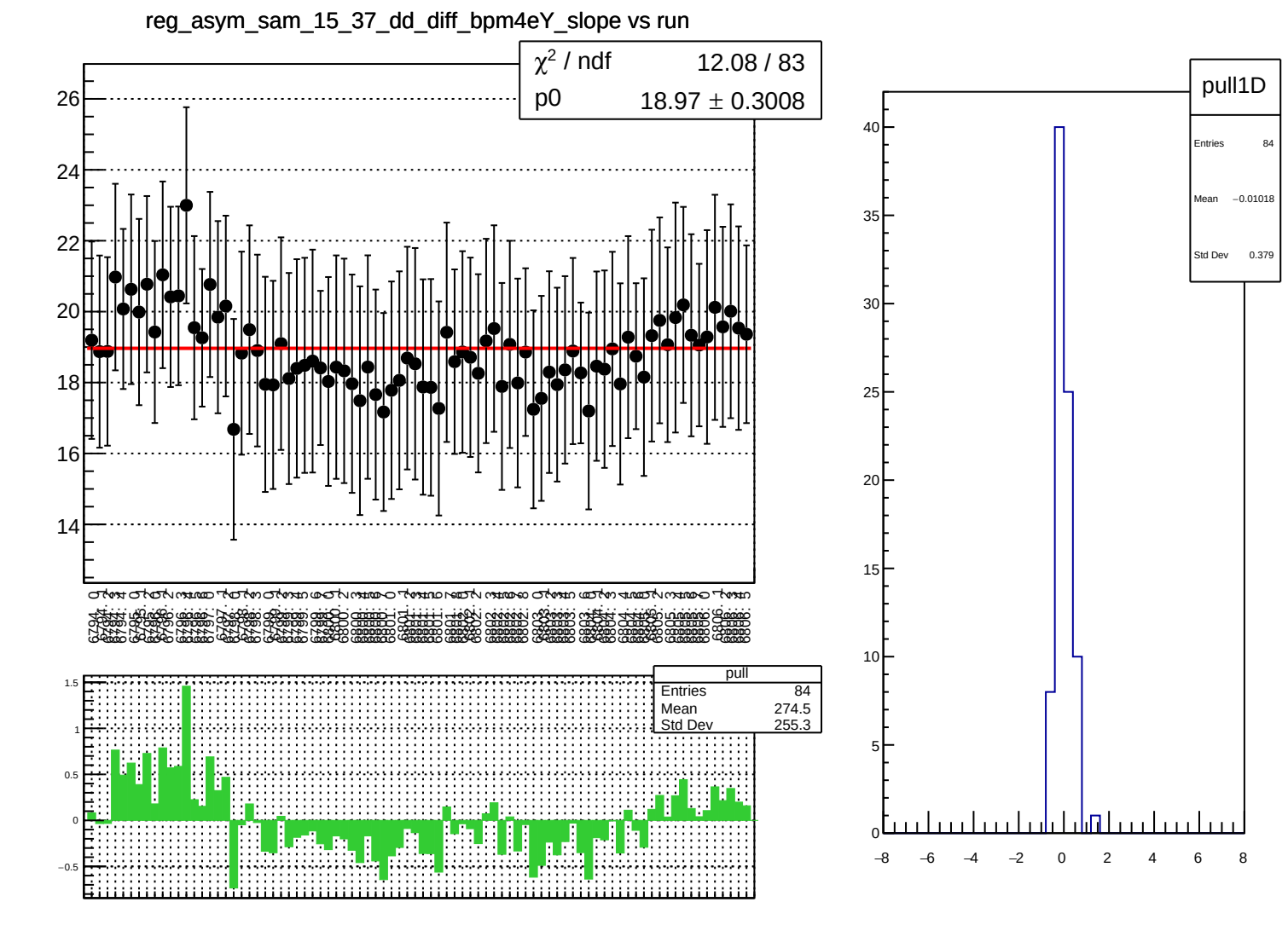

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 19.76 / 83
p0 0.09447 ± 0.021
pull
Entries 84
Mean −238.4
Std Dev 332.7
pull1D
Entries 84
Mean −0.005029
Std Dev 0.485

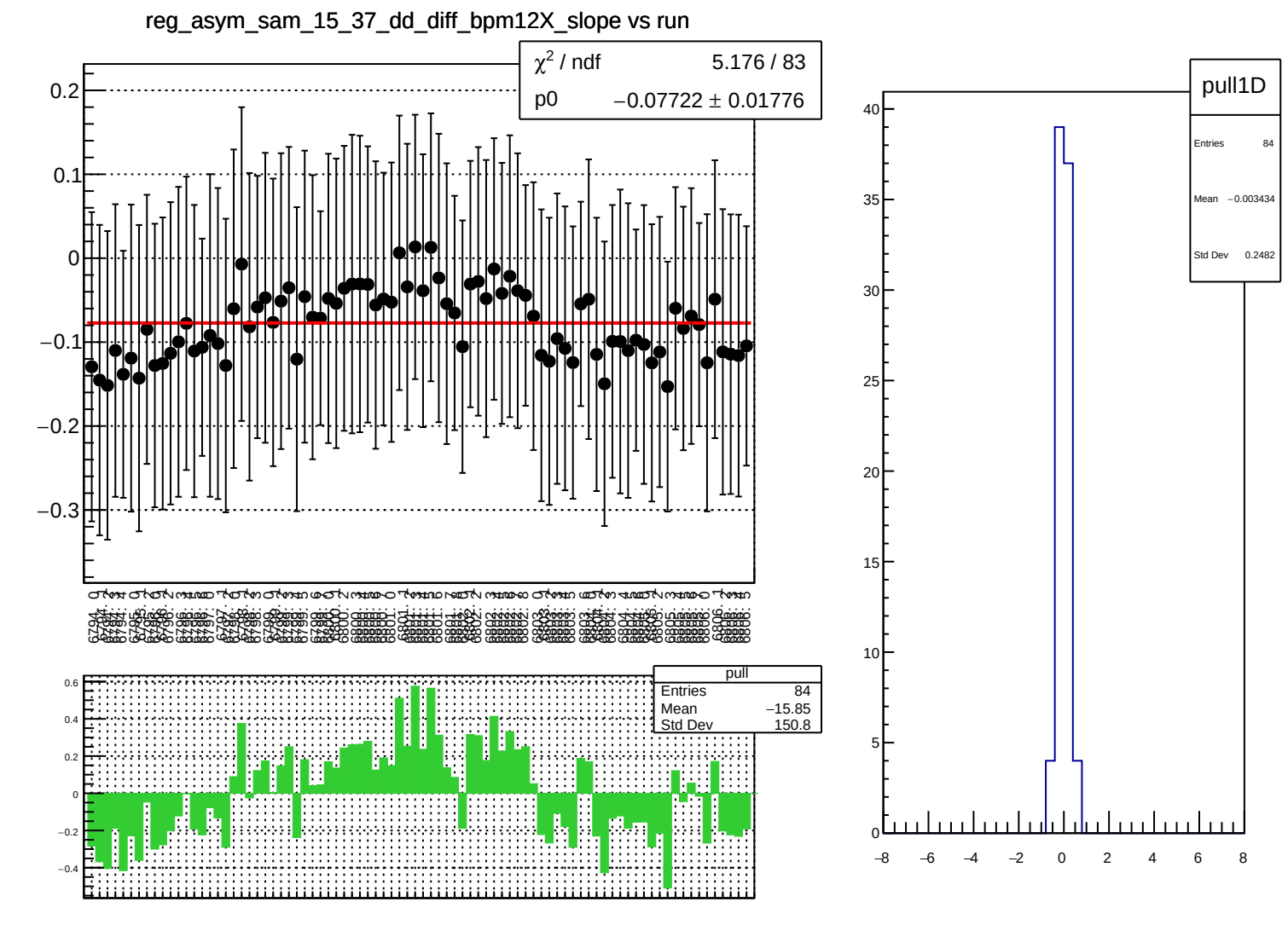

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 46.56 / 83
p0 4.314 ± 0.4418
pull
Entries 84
Mean −54.41
Std Dev 112.7
pull1D
Entries 84
Mean 0.04965
Std Dev 0.7428

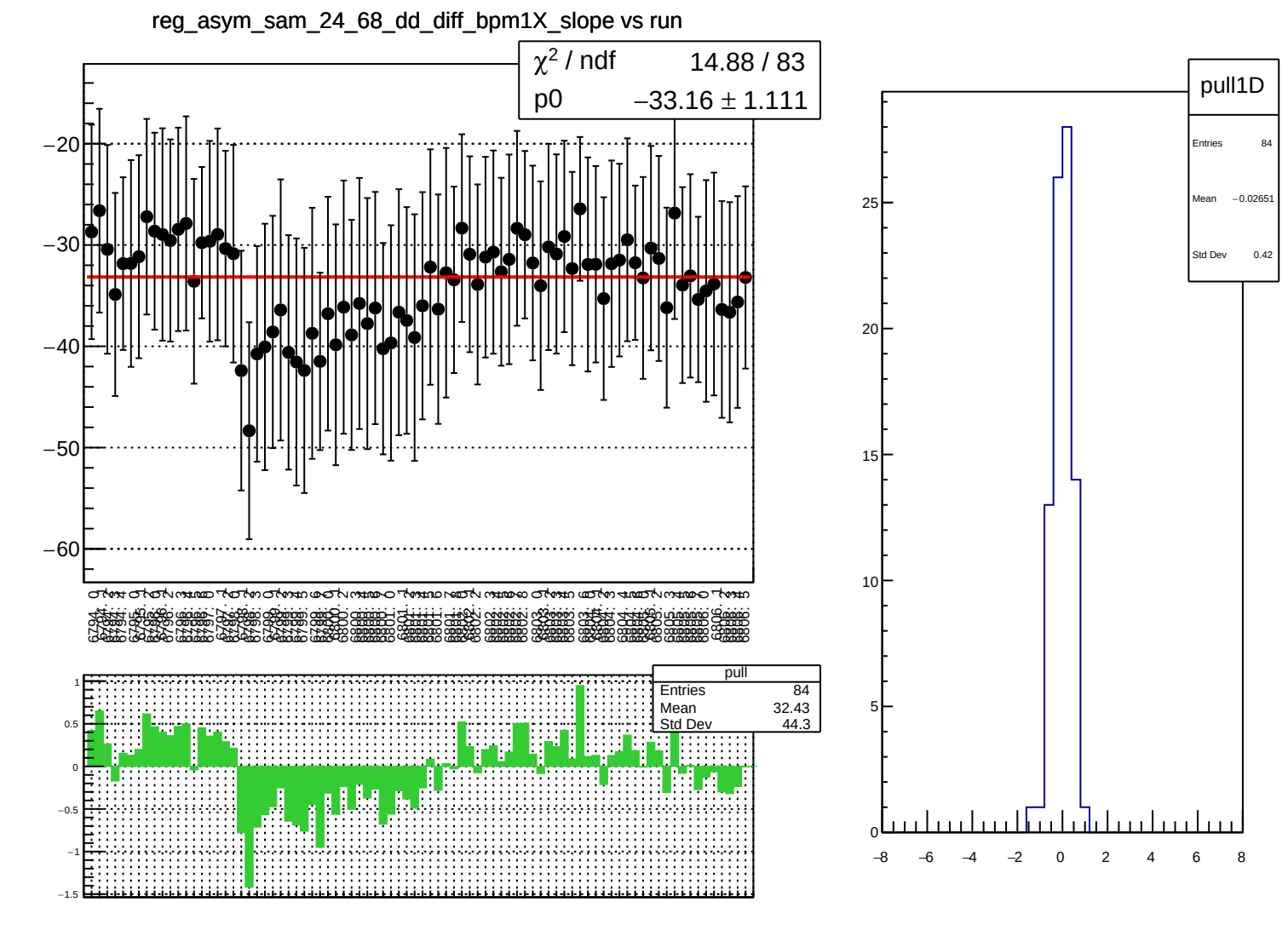

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.61 / 83
p0 0.5164 ± 0.2153
pull
Entries 84
Mean 904
Std Dev 875.5
pull1D
Entries 84
Mean 0.003932
Std Dev 0.3717

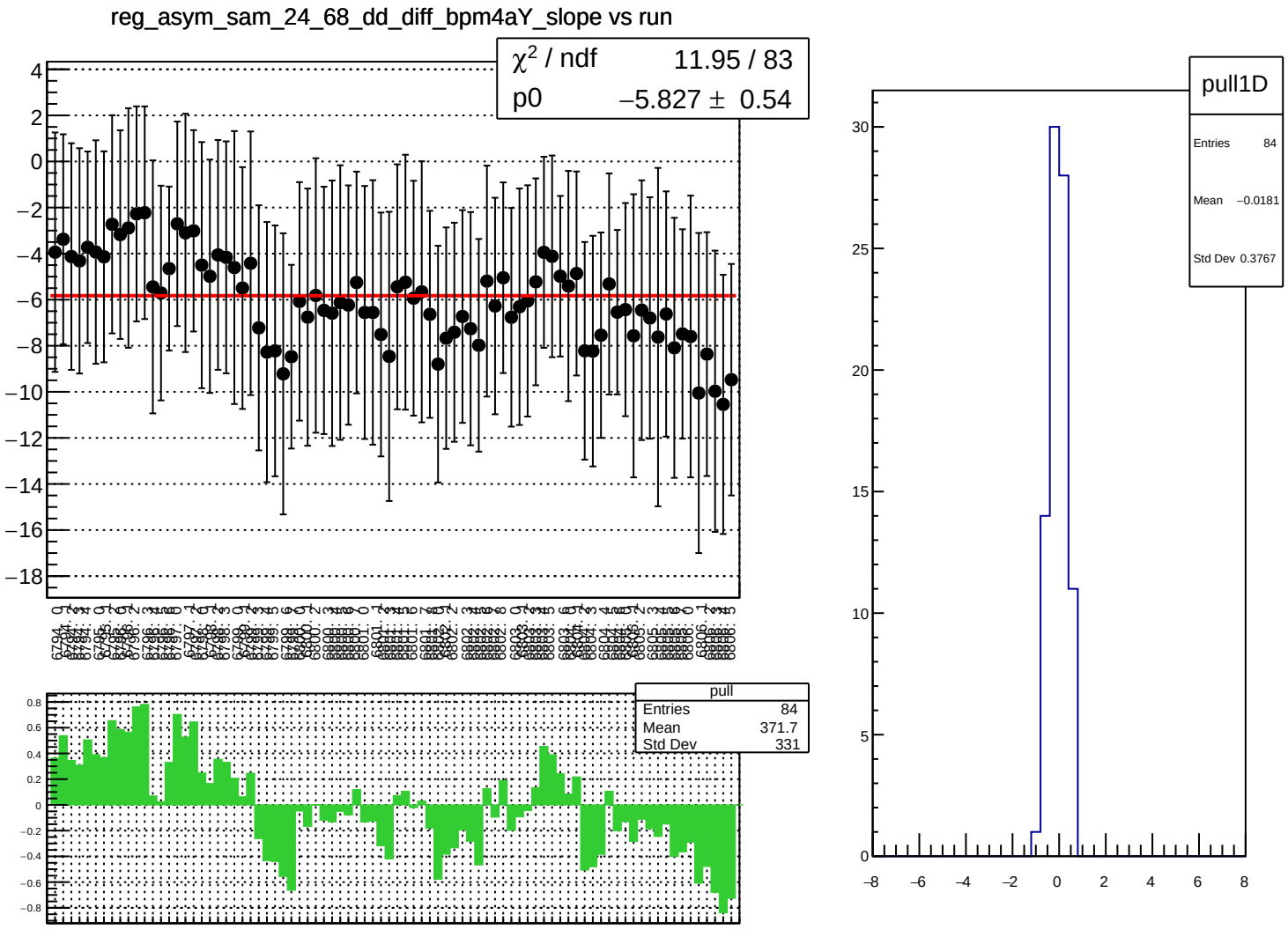

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 51.53 / 83
p0 32.09 ± 0.414
pull
Entries 84
Mean −60.96
Std Dev 119.8

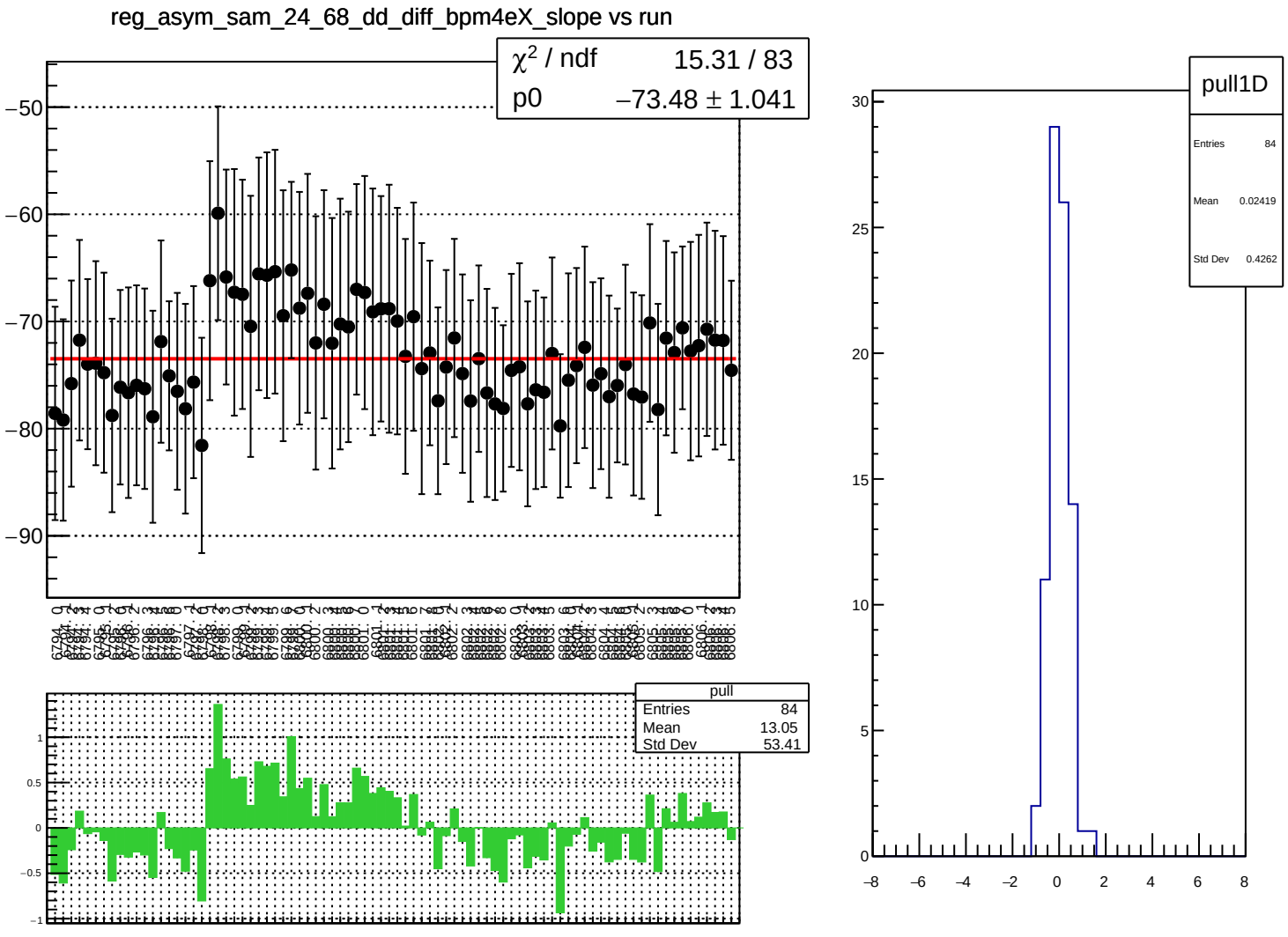

pull1D
Entries 84
Mean −0.04553
Std Dev 0.7819

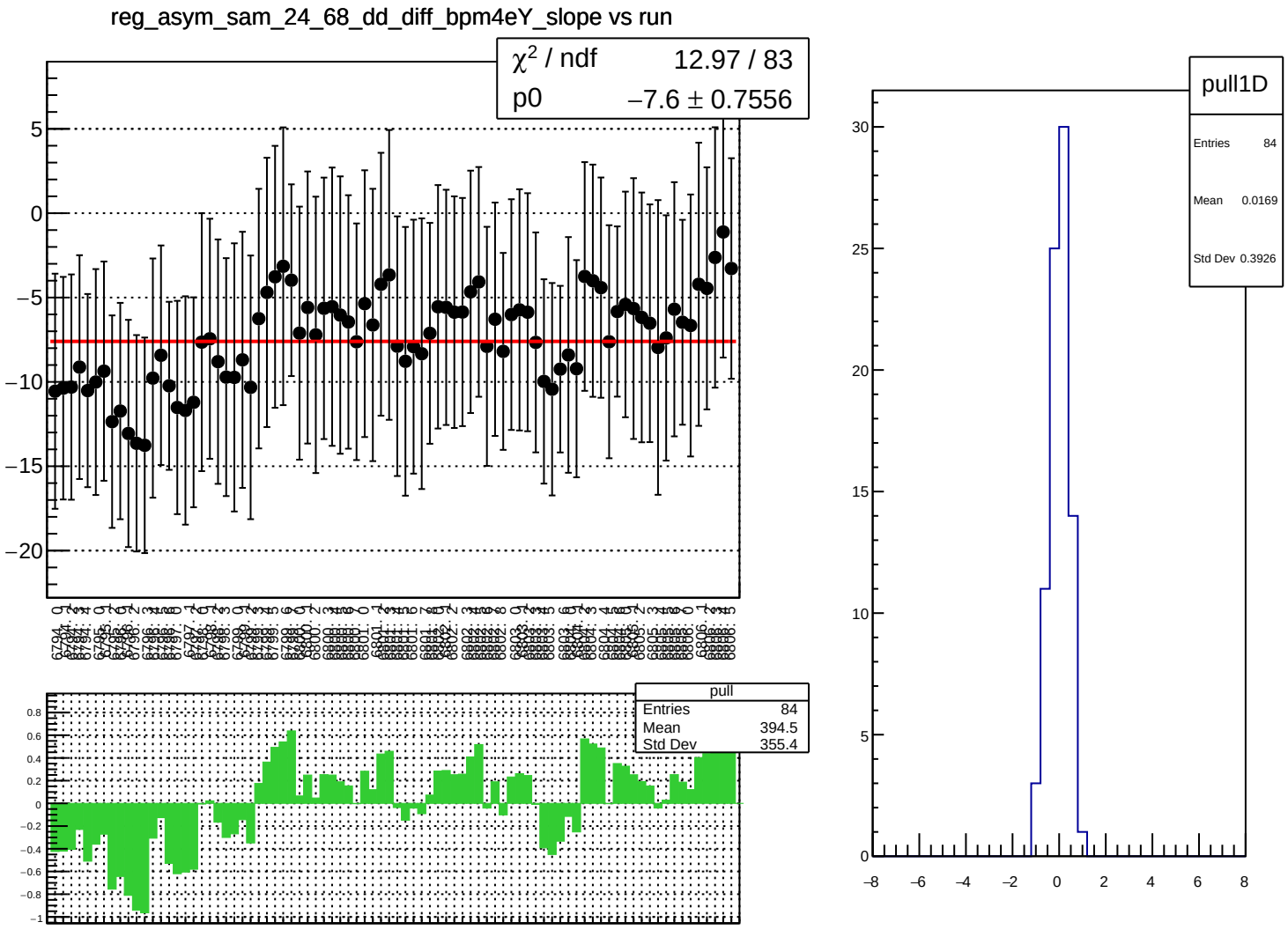

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.08 / 83
p0 18.97 ± 0.3008
pull
Entries 84
Mean 274.5
Std Dev 255.3
pull1D
Entries 84
Mean −0.01018
Std Dev 0.379

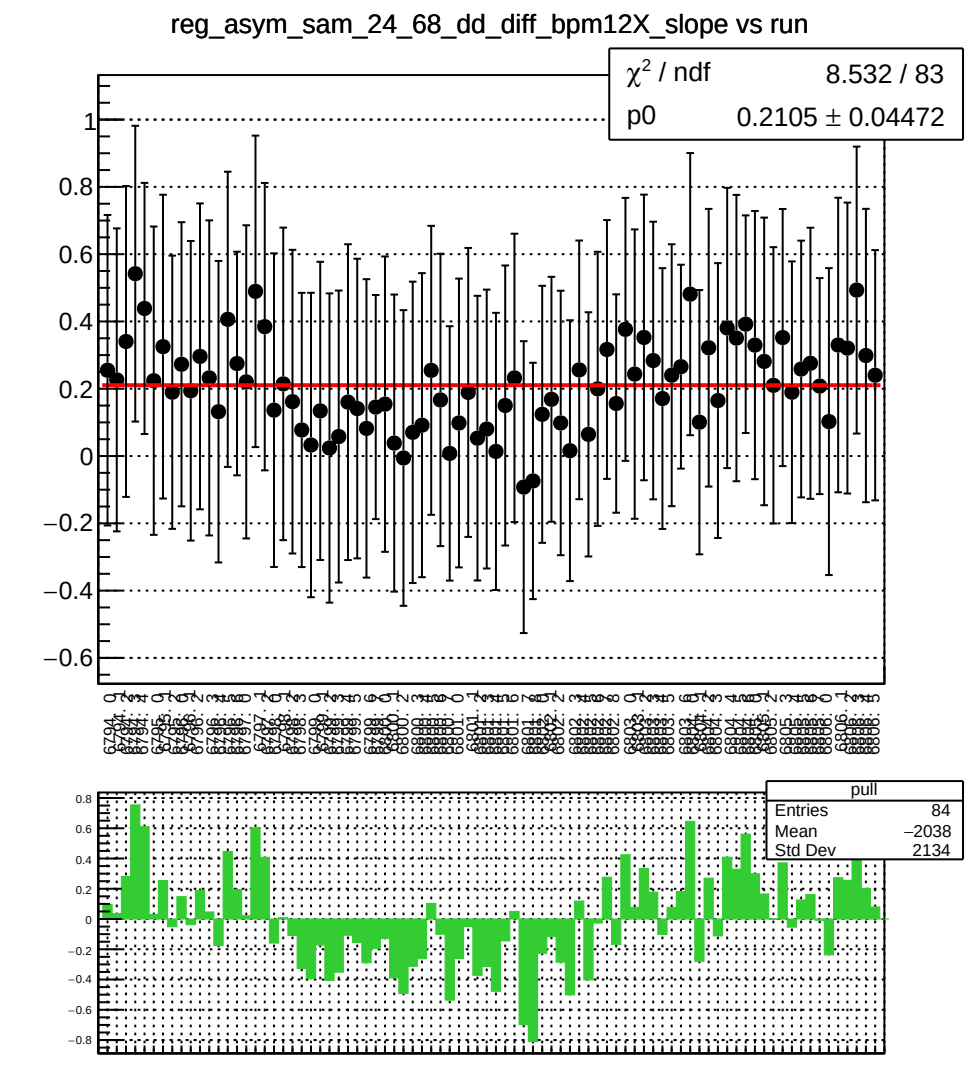

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 5.176 / 83
p0 −0.07722 ± 0.01776
pull
Entries 84
Mean −15.85
Std Dev 150.8
pull1D
Entries 84
Mean −0.003434
Std Dev 0.2482

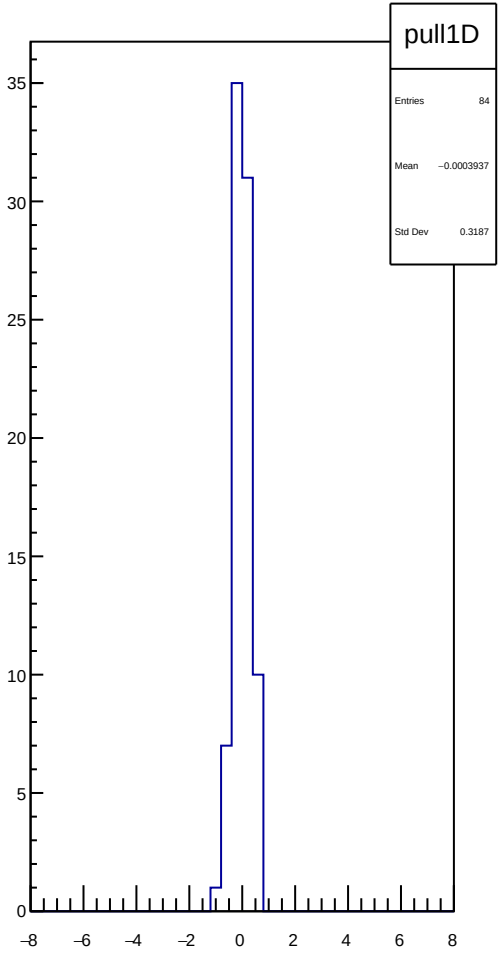

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 14.88 / 83
p0 −33.16 ± 1.111
pull
Entries 84
Mean 32.43
Std Dev 44.3
pull1D
Entries 84
Mean −0.02651
Std Dev 0.42

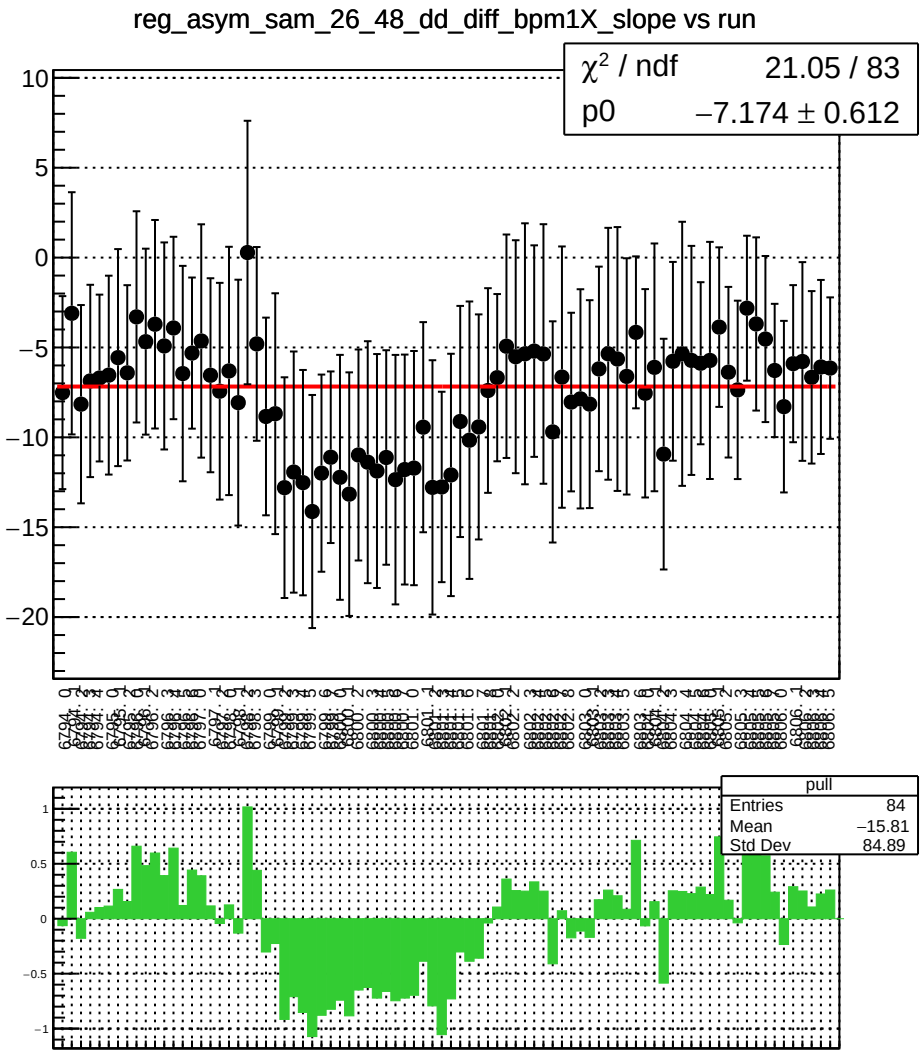

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.95 / 83
p0 −5.827 ± 0.54
pull
Entries 84
Mean 371.7
Std Dev 331
pull1D
Entries 84
Mean −0.0181
Std Dev 0.3767

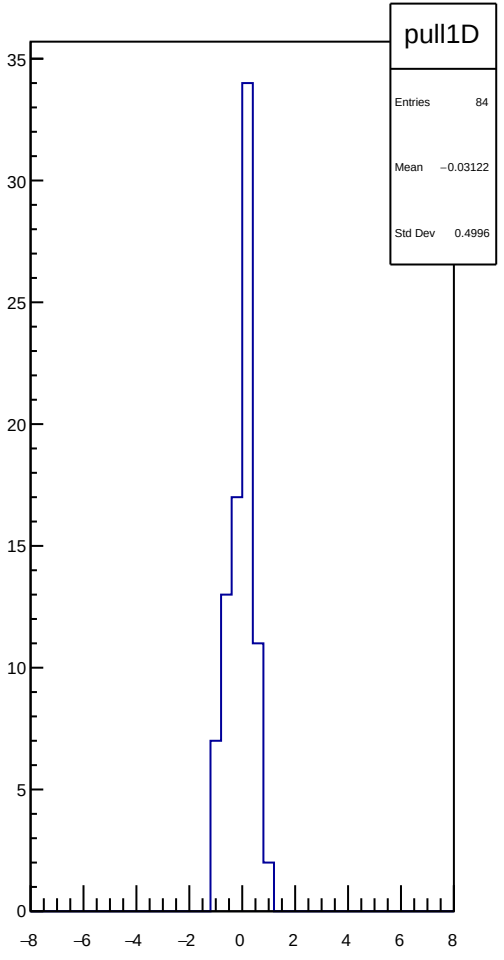

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 15.31 / 83
p0 −73.48 ± 1.041
pull
Entries 84
Mean 13.05
Std Dev 53.41
pull1D
Entries 84
Mean 0.02419
Std Dev 0.4262

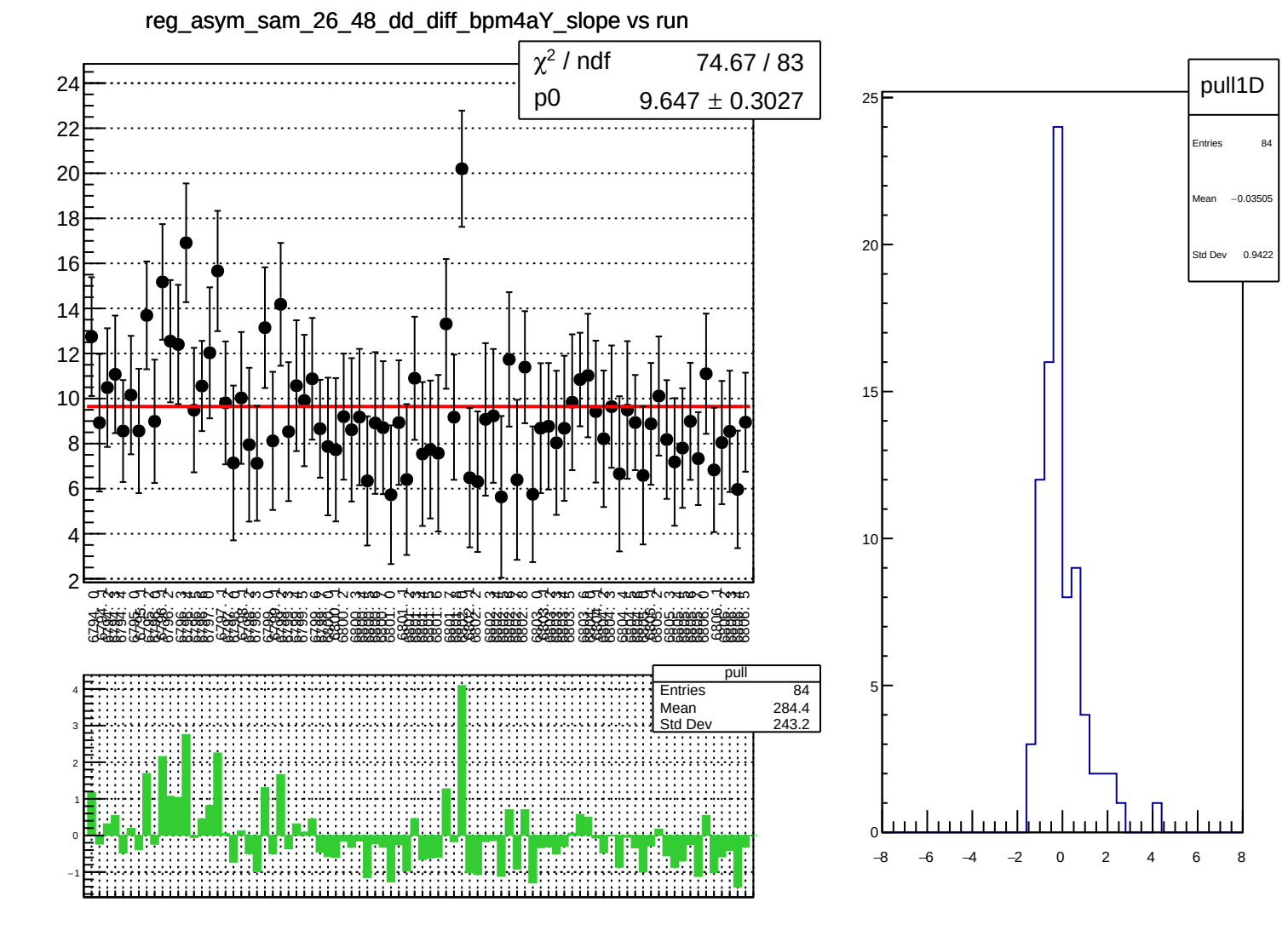

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.97 / 83
p0 −7.6 ± 0.7556
pull
Entries 84
Mean 394.5
Std Dev 355.4
pull1D
Entries 84
Mean 0.0169
Std Dev 0.3926

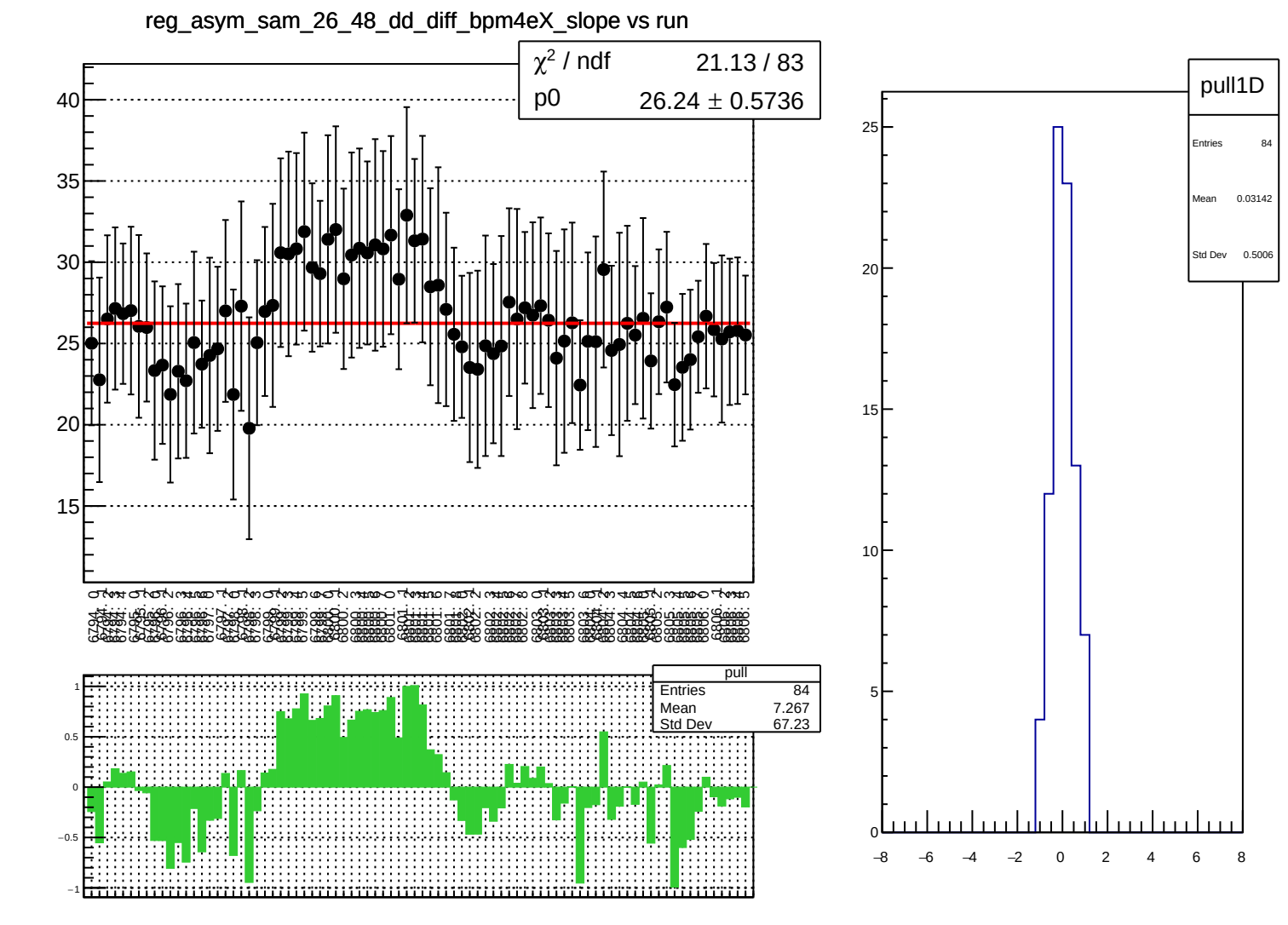

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 8.532 / 83
p0 0.2105 ± 0.04472
pull
Entries 84
Mean −2038
Std Dev 2134

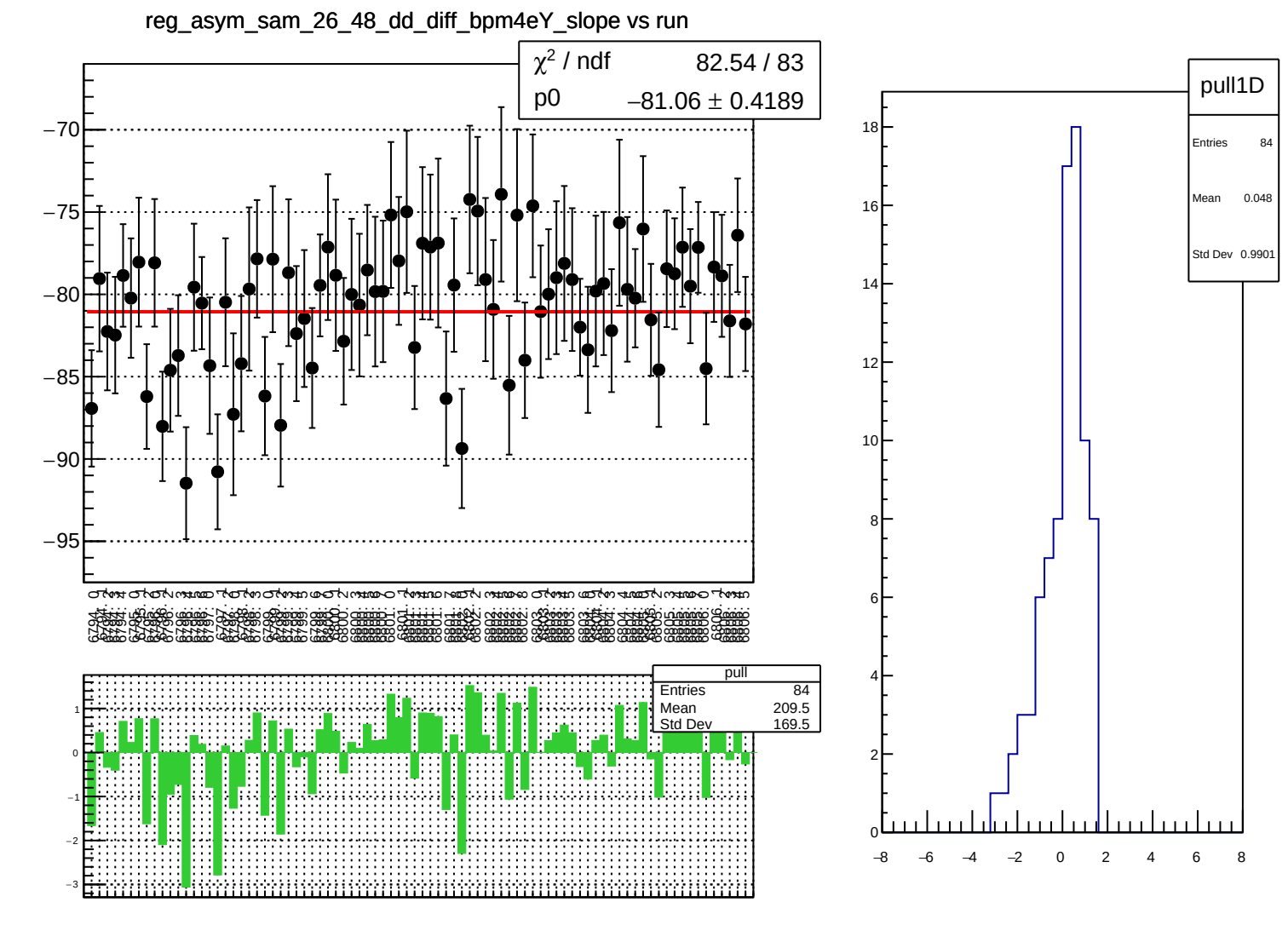

pull1D
Entries 84
Mean −0.0003937
Std Dev 0.3187

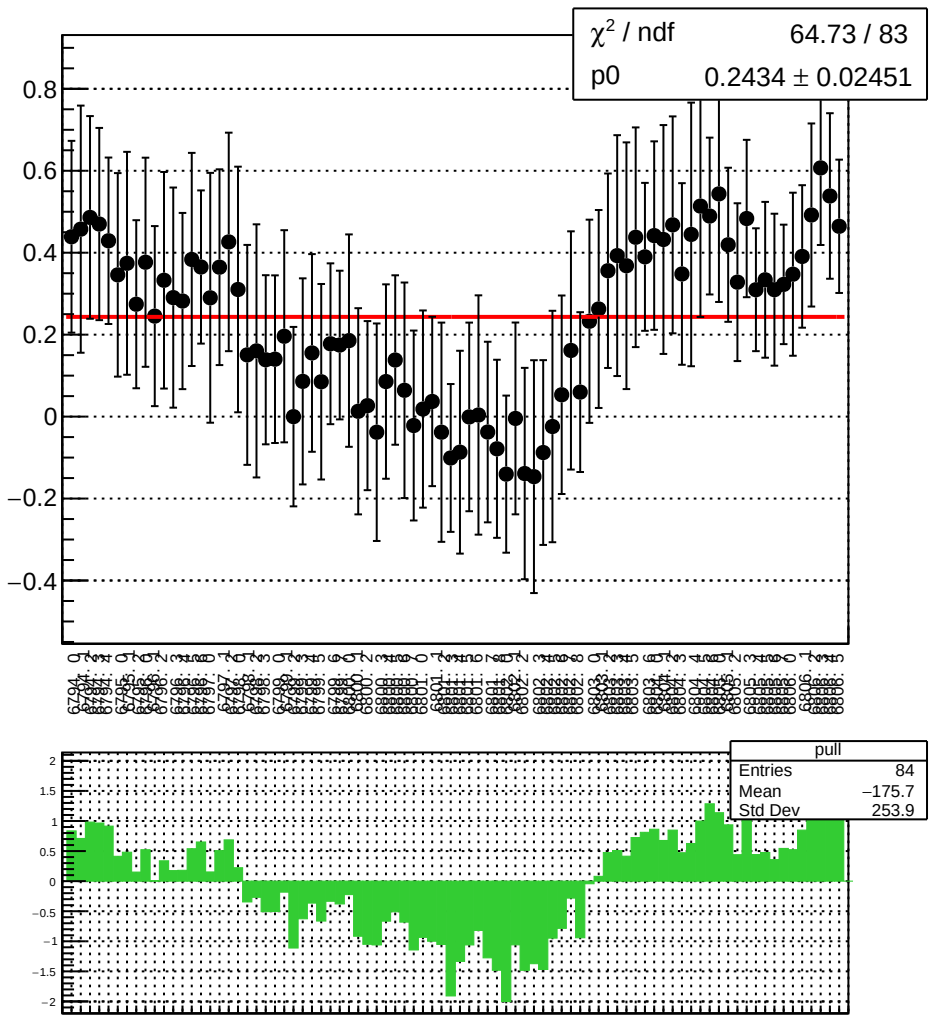

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 21.05 / 83
p0 −7.174 ± 0.612
pull
Entries 84
Mean −15.81
Std Dev 84.89

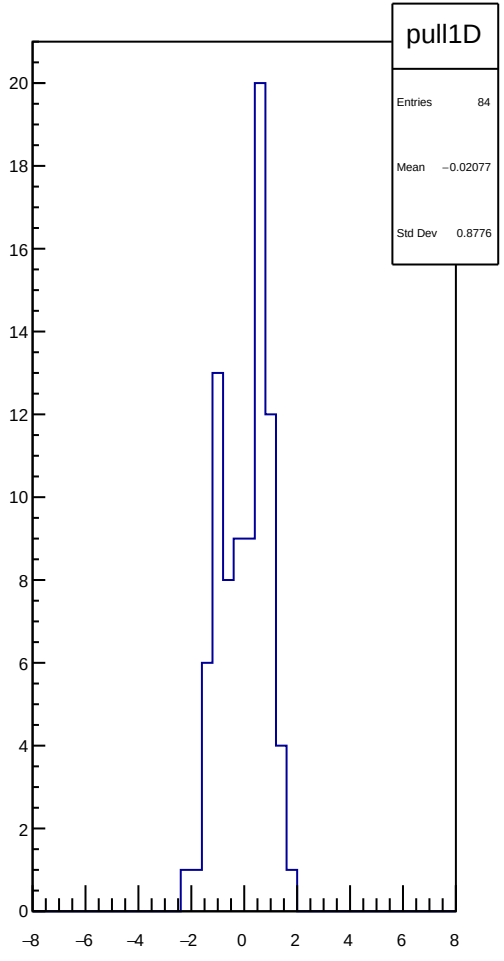

pull1D
Entries 84
Mean −0.03122
Std Dev 0.4996

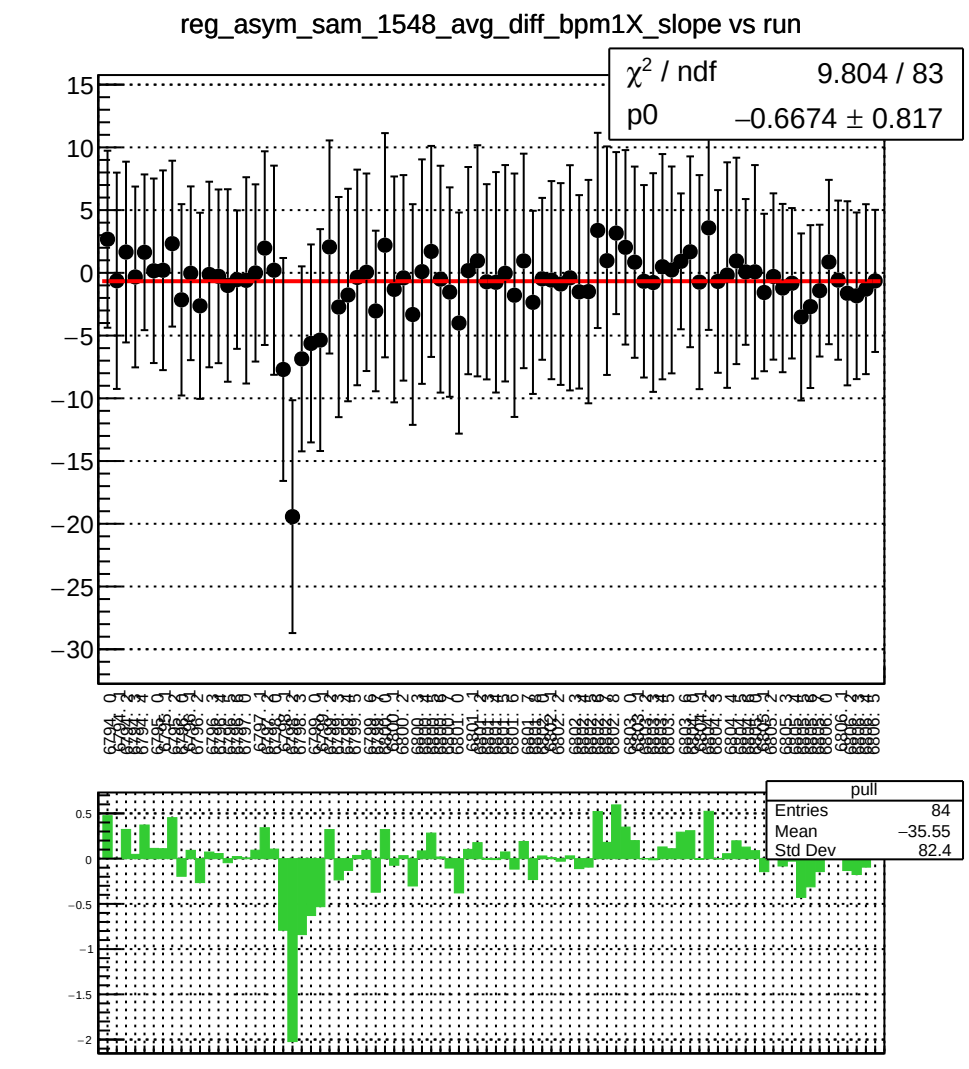

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 74.67 / 83
p0 9.647 ± 0.3027
pull
Entries 84
Mean 284.4
Std Dev 243.2
pull1D
Entries 84
Mean −0.03505
Std Dev 0.9422

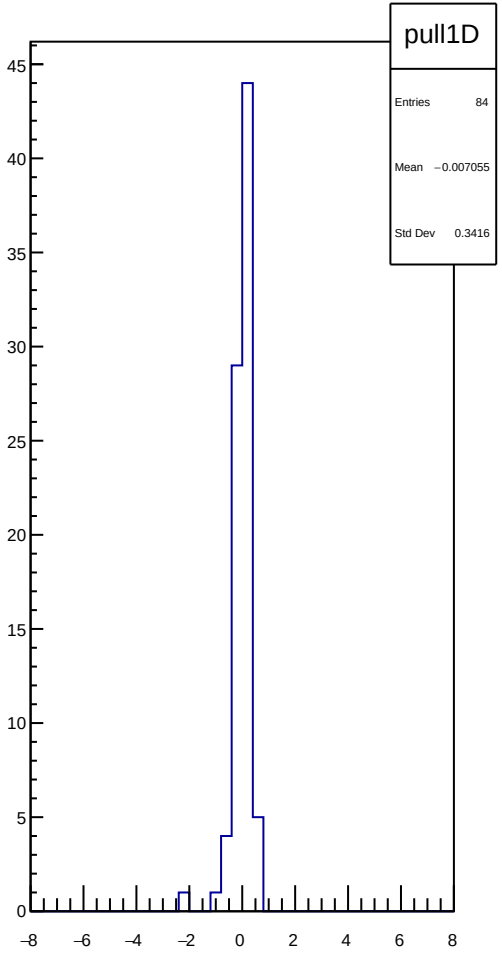

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 21.13 / 83
p0 26.24 ± 0.5736
pull
Entries 84
Mean 7.267
Std Dev 67.23
pull1D
Entries 84
Mean 0.03142
Std Dev 0.5006

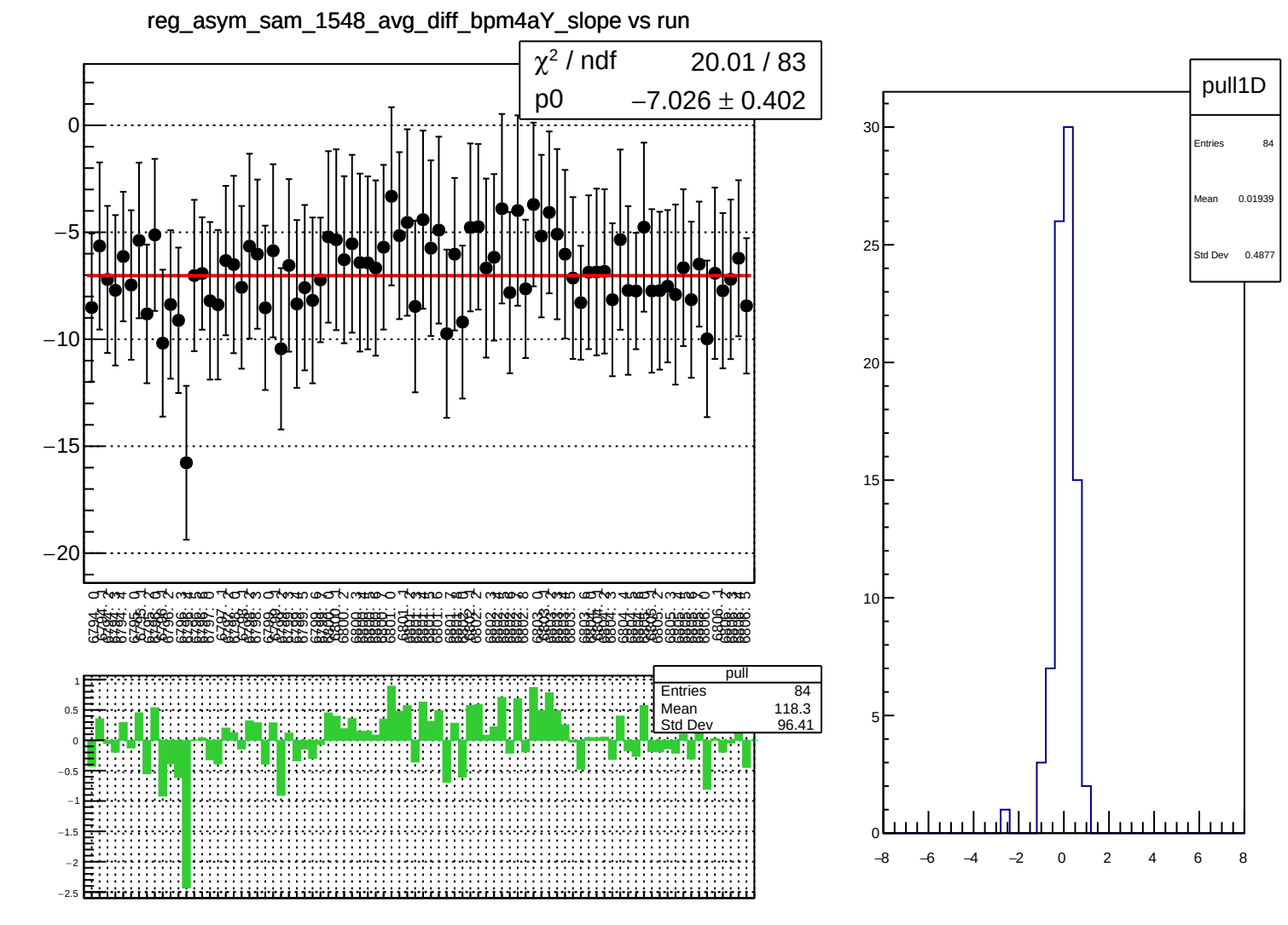

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 82.54 / 83
p0 −81.06 ± 0.4189
pull
Entries 84
Mean 209.5
Std Dev 169.5
pull1D
Entries 84
Mean 0.048
Std Dev 0.9901

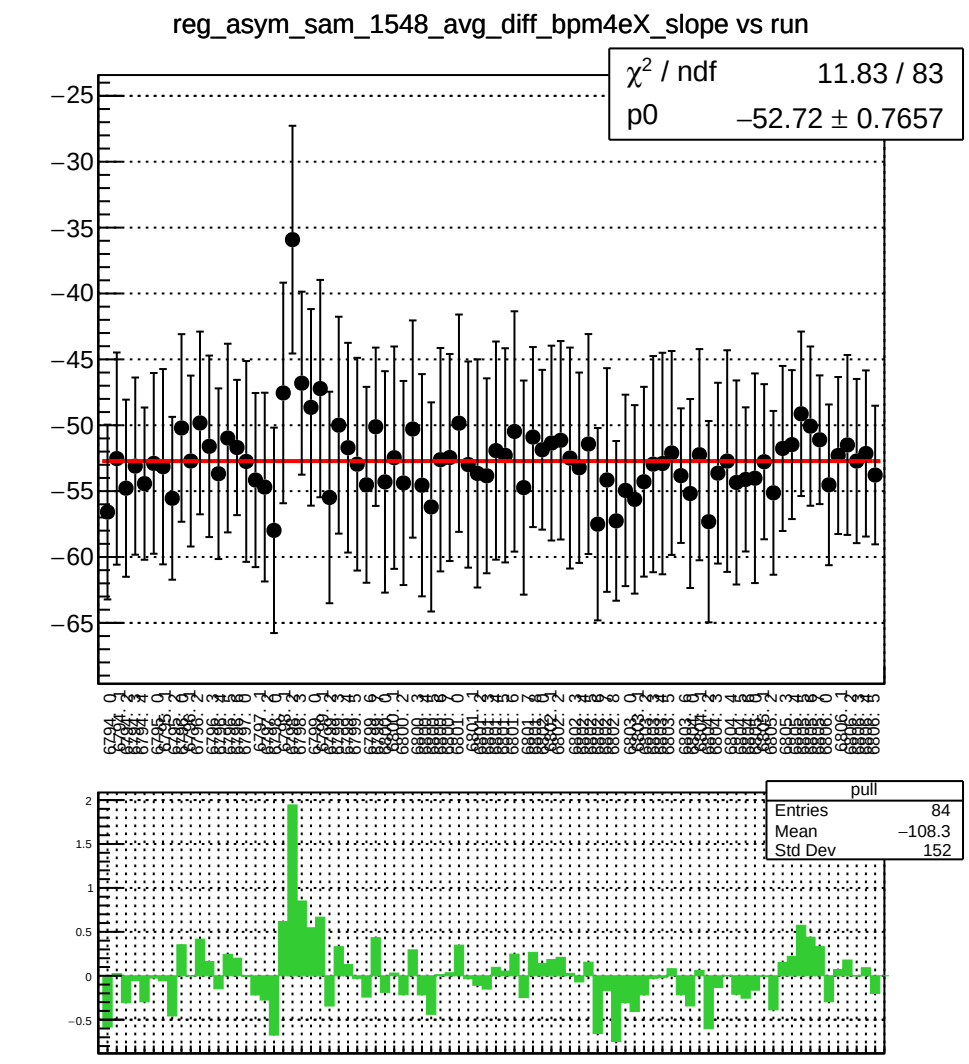

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 64.73 / 83
p0 0.2434 ± 0.02451
pull
Entries 84
Mean −175.7
Std Dev 253.9

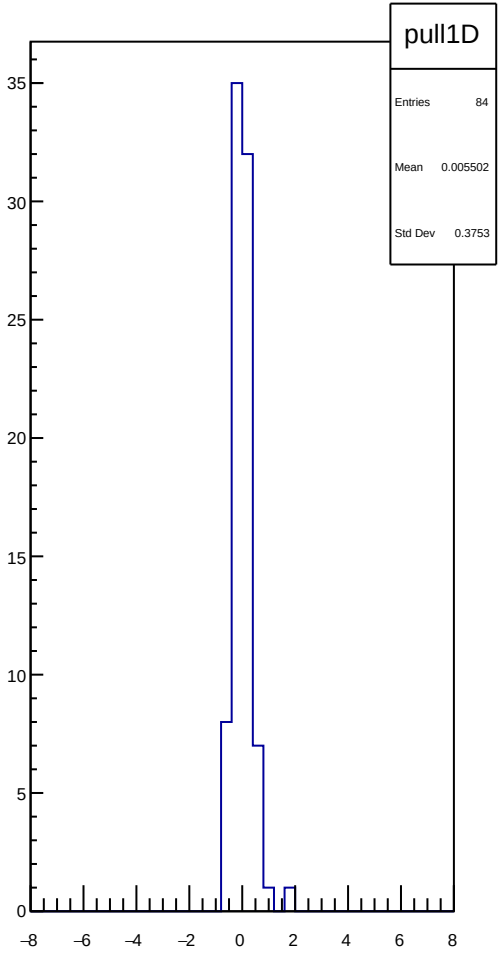

pull1D
Entries 84
Mean −0.02077
Std Dev 0.8776

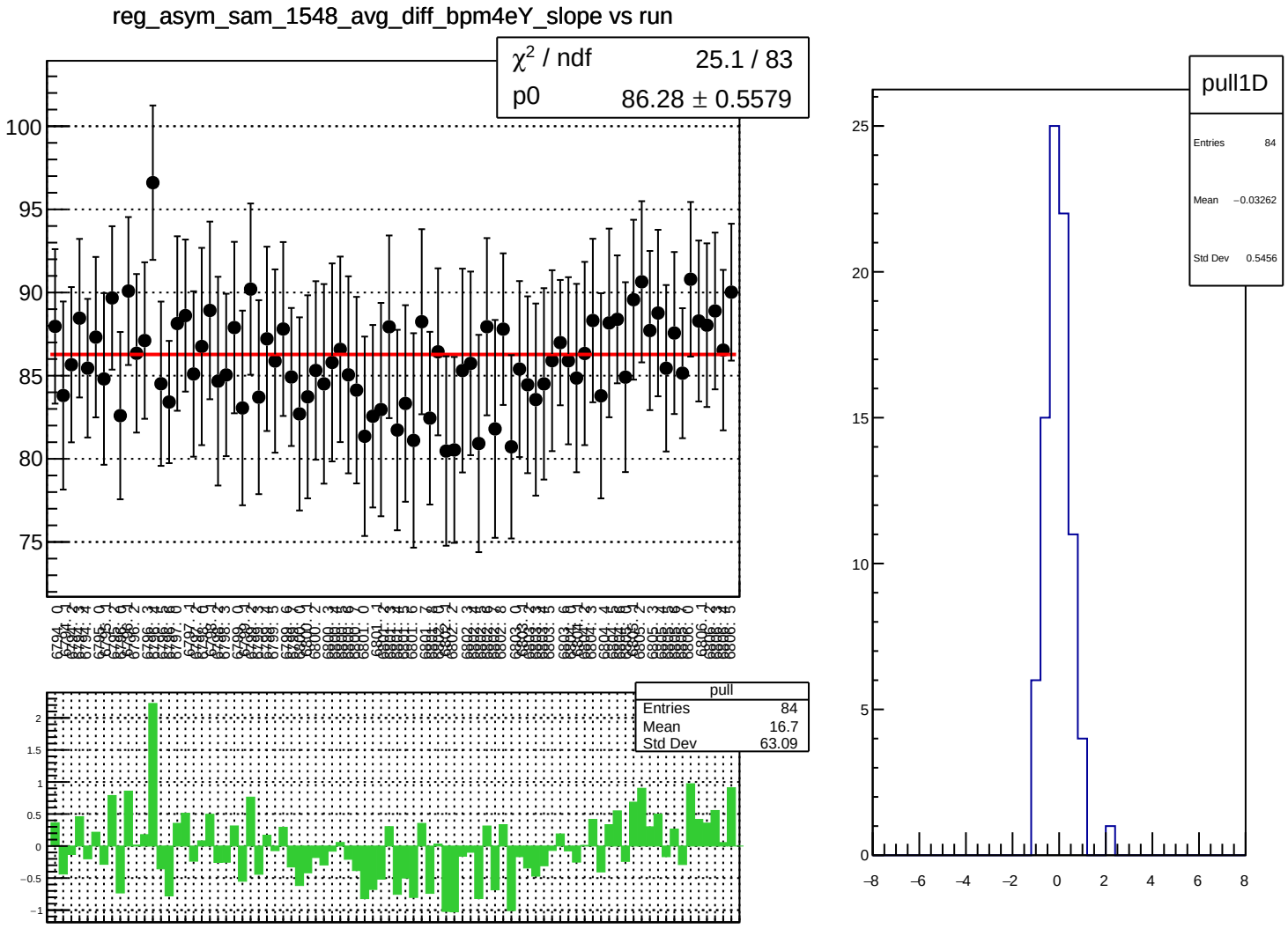

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 9.804 / 83
p0 −0.6674 ± 0.817
pull
Entries 84
Mean −35.55
Std Dev 82.4

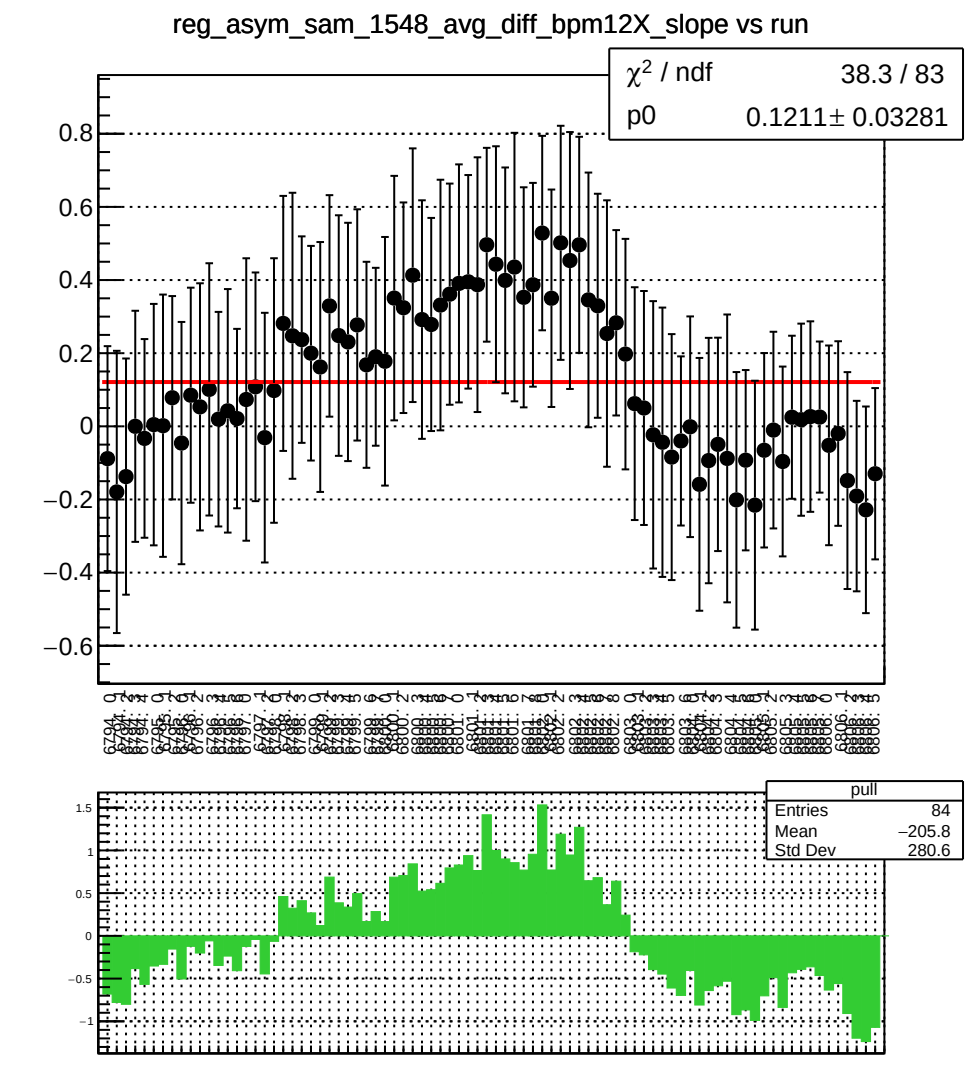

pull1D
Entries 84
Mean −0.007055
Std Dev 0.3416

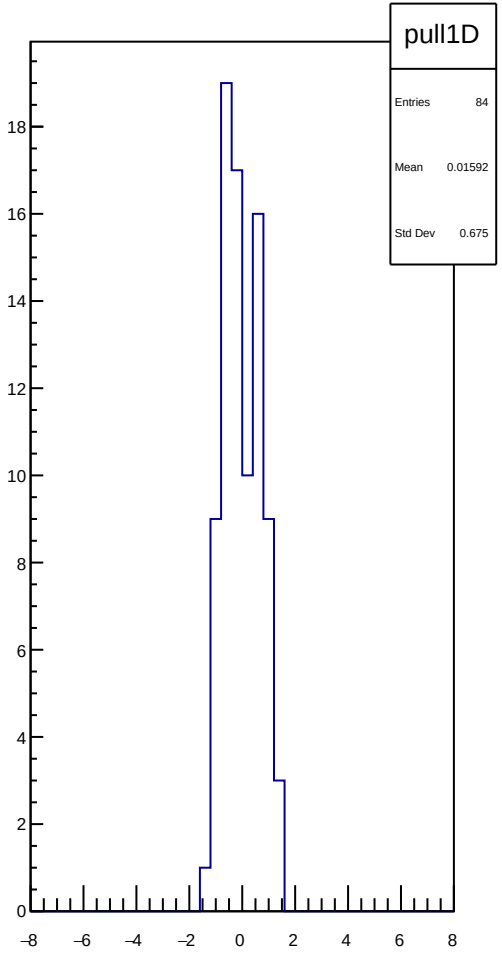

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 20.01 / 83
p0 −7.026 ± 0.402
pull
Entries 84
Mean 118.3
Std Dev 96.41
pull1D
Entries 84
Mean 0.01939
Std Dev 0.4877

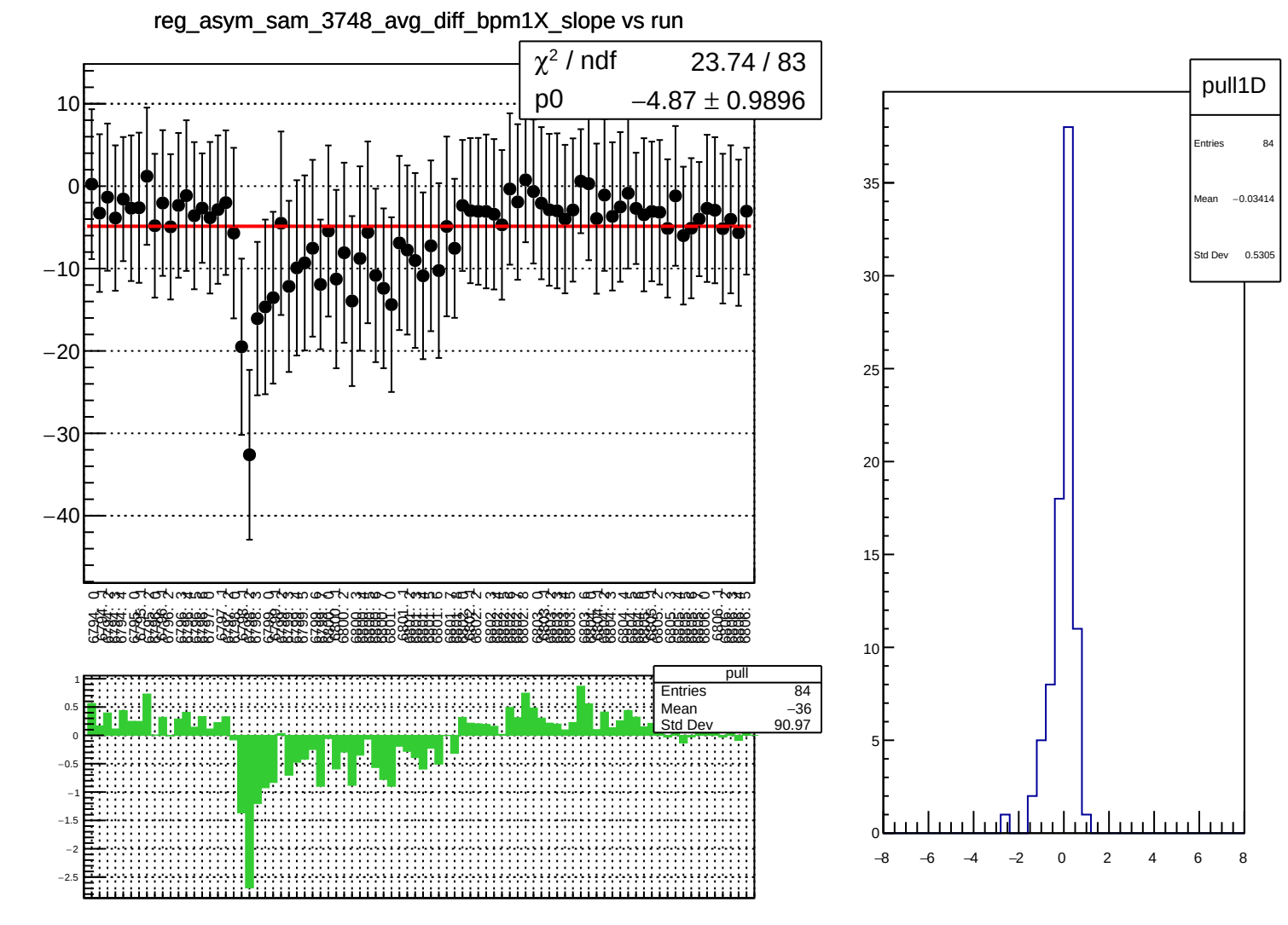

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 11.83 / 83
p0 −52.72 ± 0.7657
pull
Entries 84
Mean −108.3
Std Dev 152

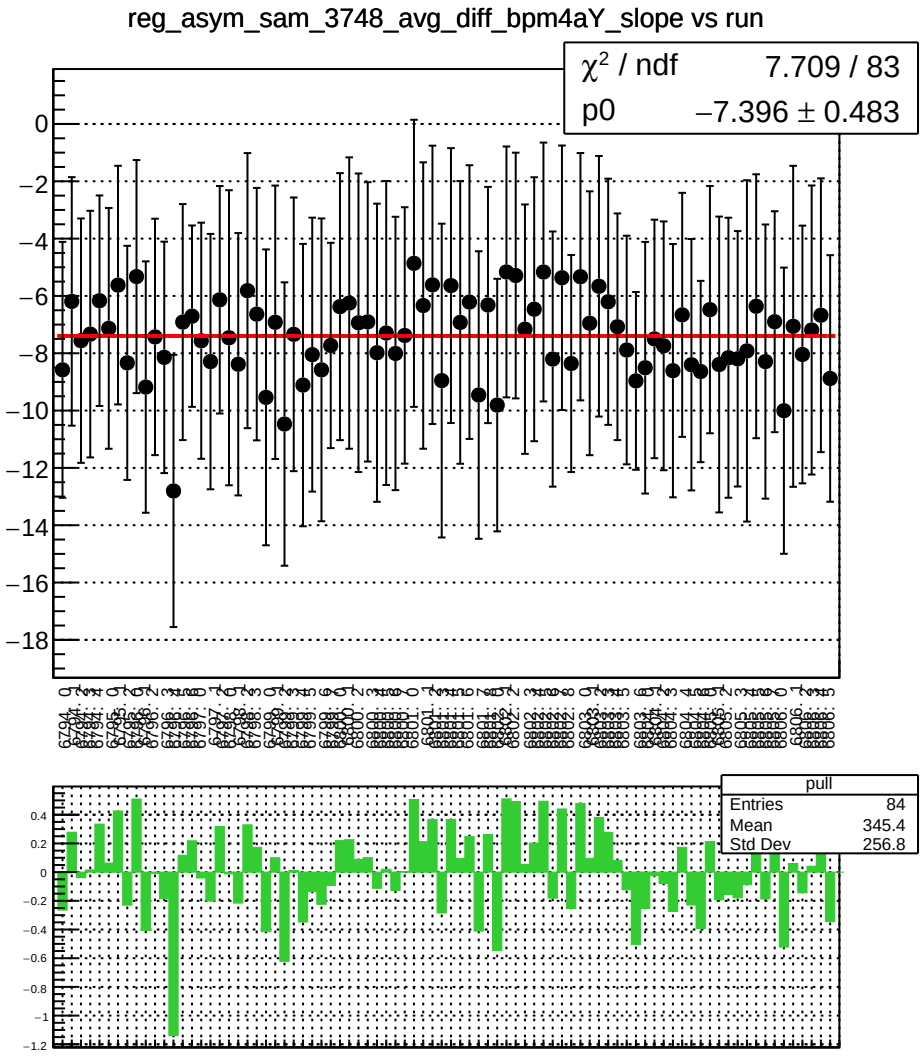

pull1D
Entries 84
Mean 0.005502
Std Dev 0.3753

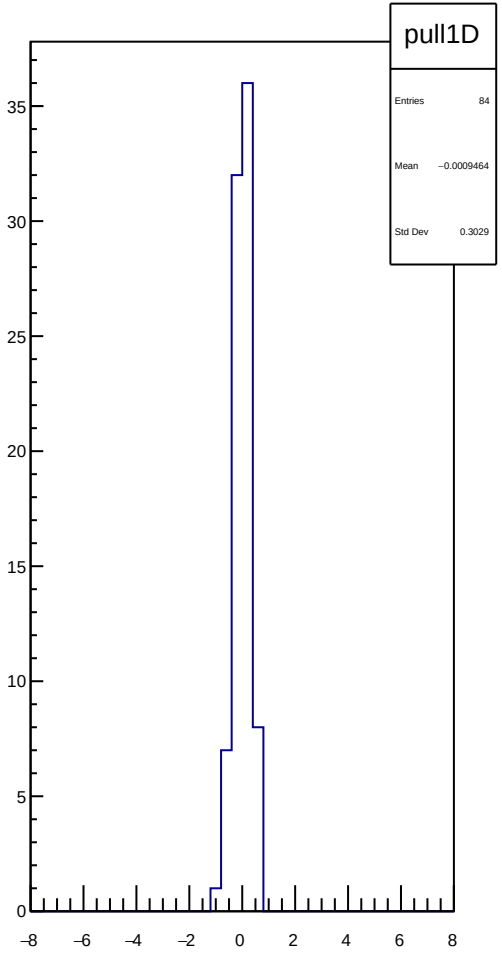

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 25.1 / 83
p0 86.28 ± 0.5579
pull
Entries 84
Mean 16.7
Std Dev 63.09
pull1D
Entries 84
Mean −0.03262
Std Dev 0.5456

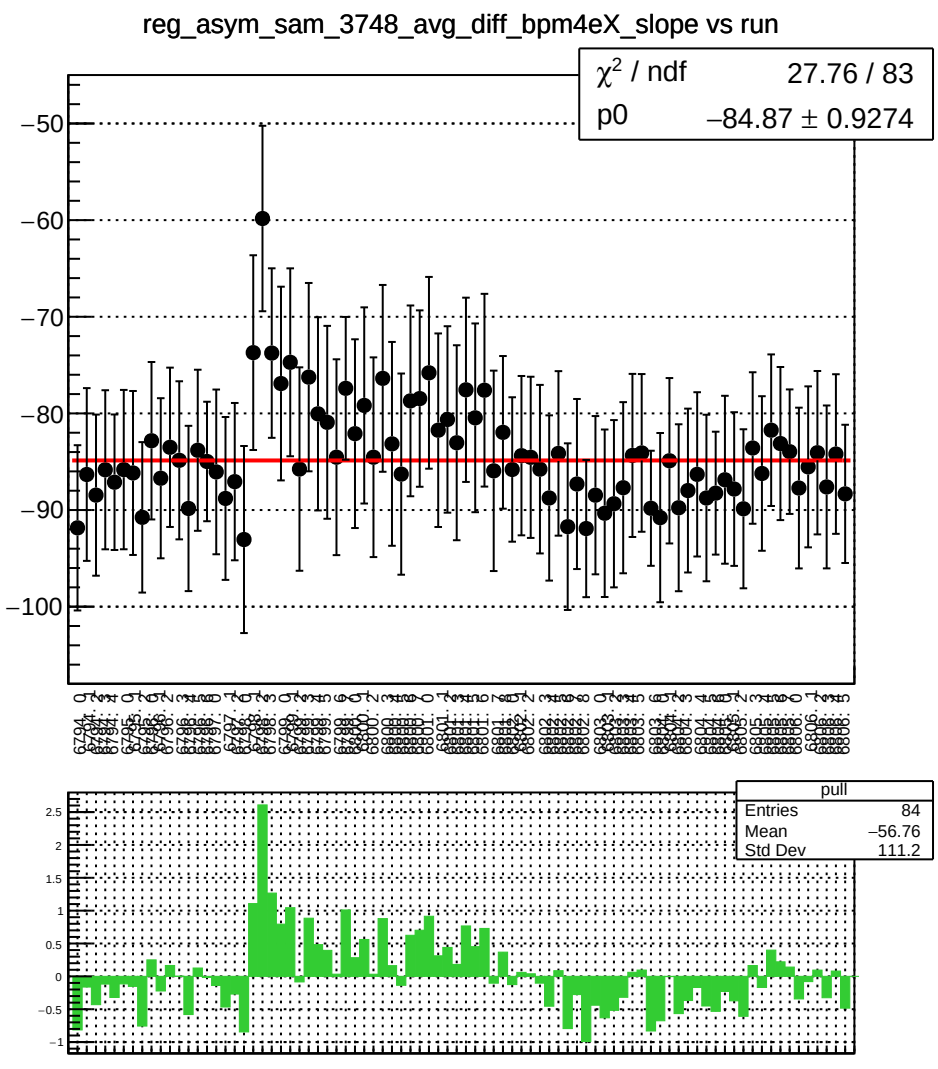

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 38.3 / 83
p0 0.1211± 0.03281
pull
Entries 84
Mean −205.8
Std Dev 280.6

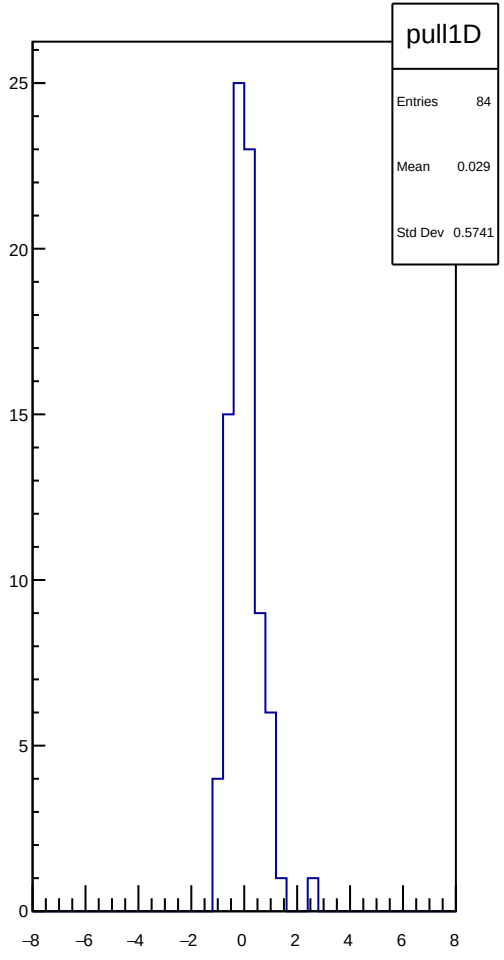

pull1D
Entries 84
Mean 0.01592
Std Dev 0.675

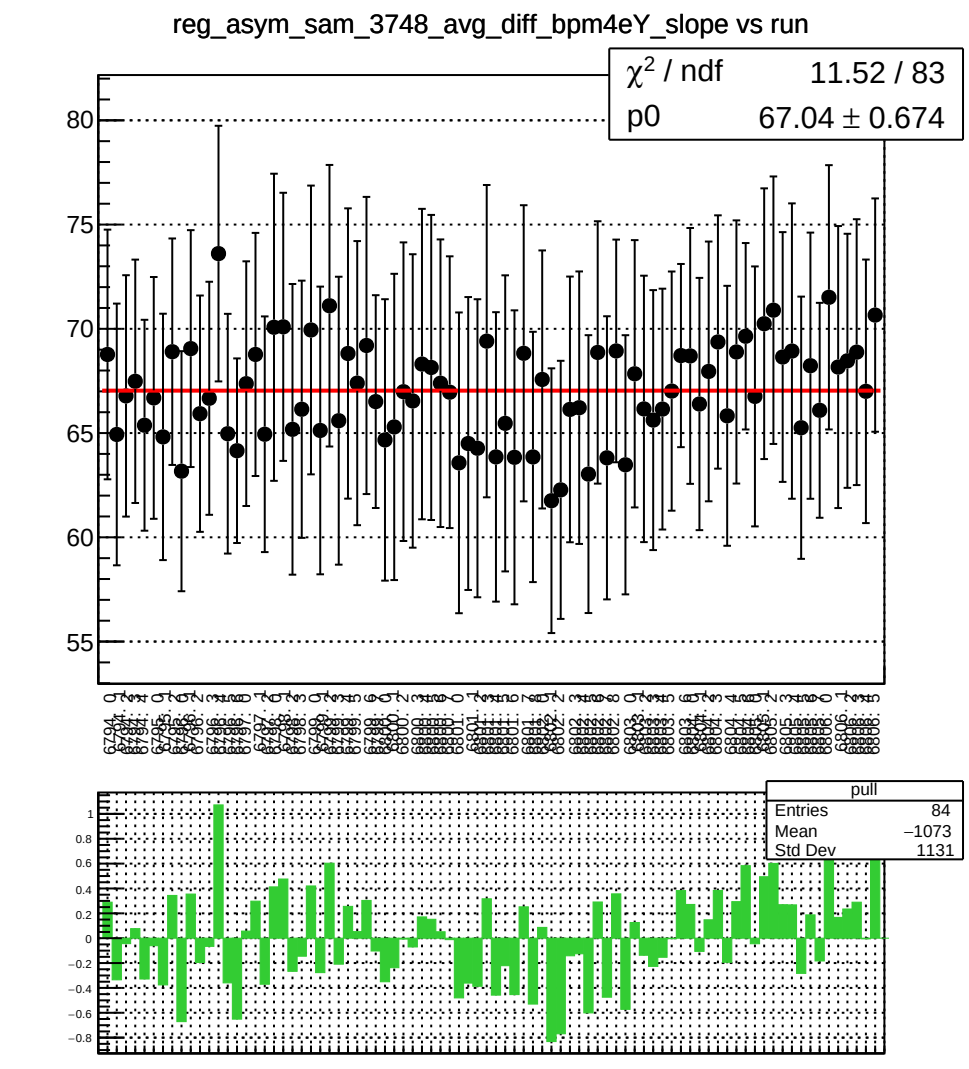

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 23.74 / 83
p0 −4.87 ± 0.9896
pull
Entries 84
Mean −36
Std Dev 90.97
pull1D
Entries 84
Mean −0.03414
Std Dev 0.5305

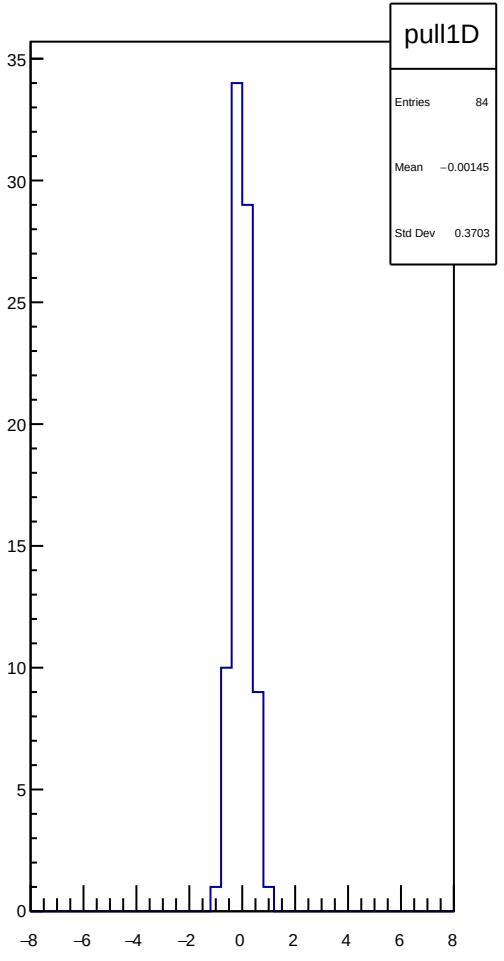

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.709 / 83
p0 −7.396 ± 0.483
pull
Entries 84
Mean 345.4
Std Dev 256.8

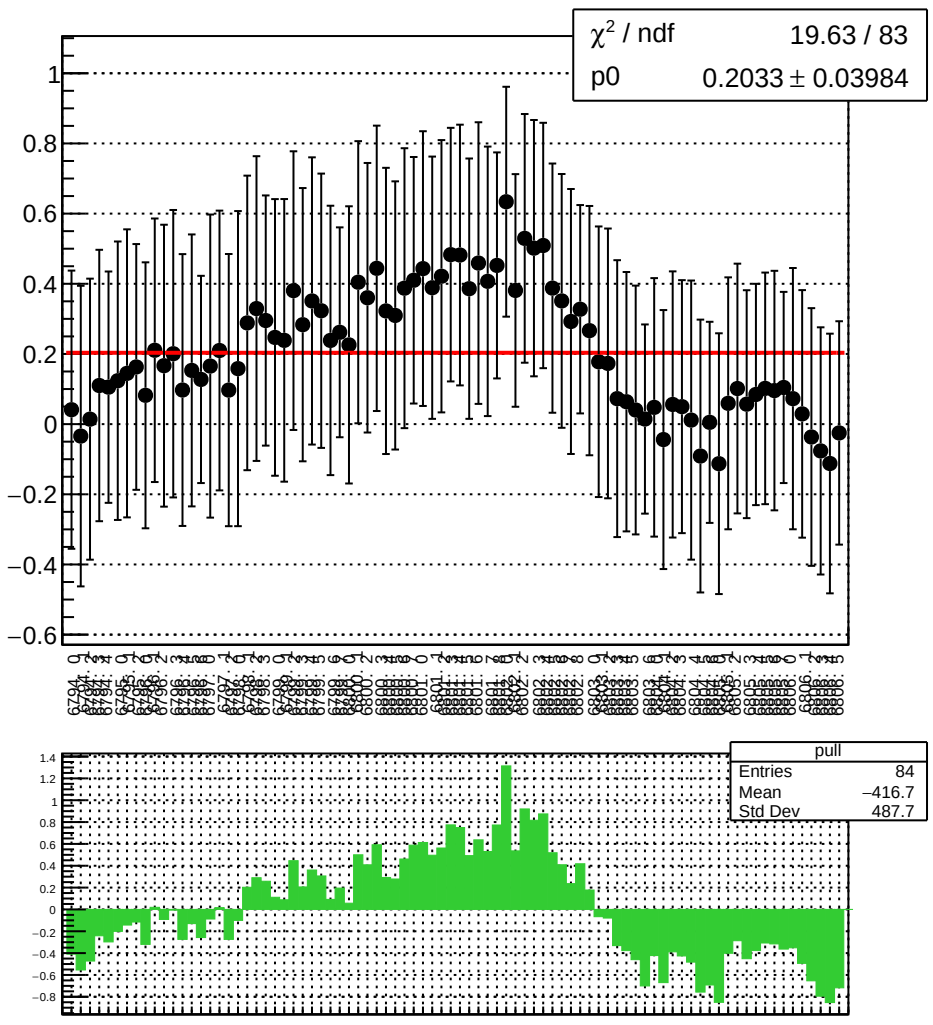

pull1D
Entries 84
Mean −0.0009464
Std Dev 0.3029

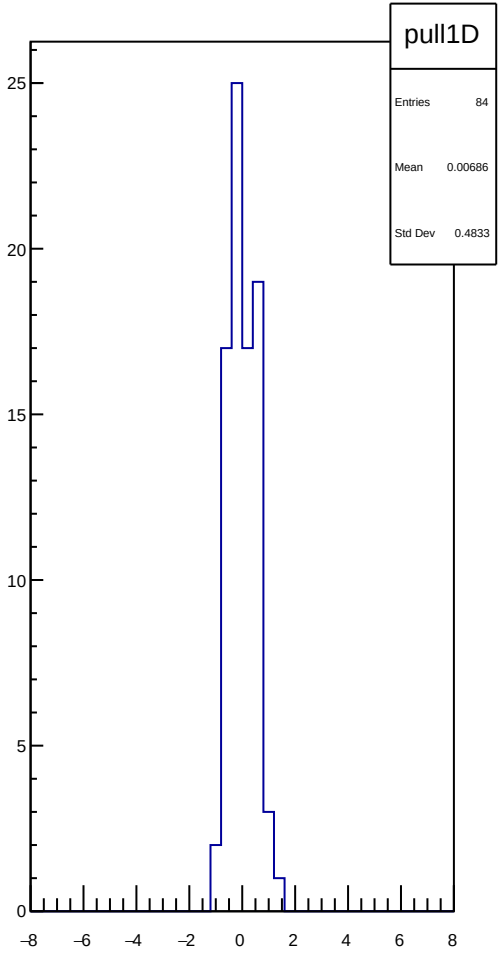

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 27.76 / 83
p0 −84.87 ± 0.9274
−50
−60
−70
−80
−90
−100
pull
Entries 84
Mean −56.76
Std Dev 111.2
2.5
2
1.5
1
0.5
0
−0.5
−1

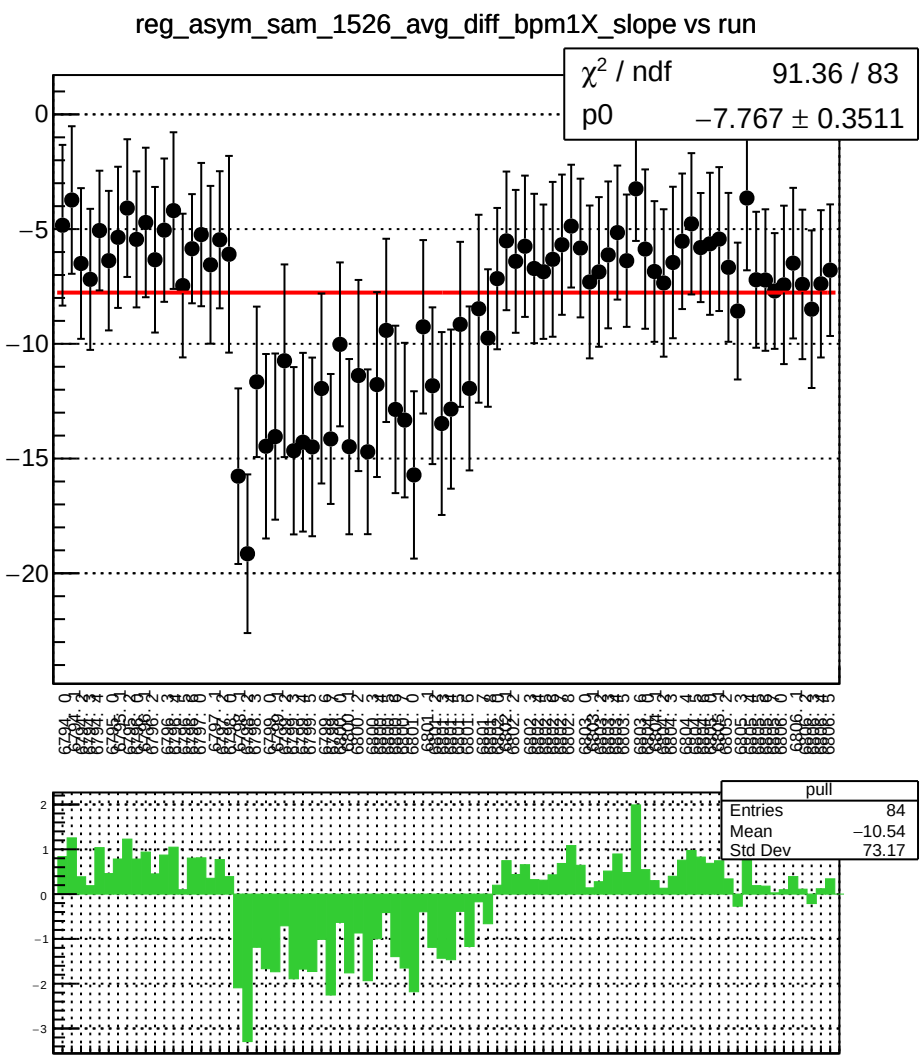

pull1D
Entries 84
Mean 0.029
Std Dev 0.5741
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

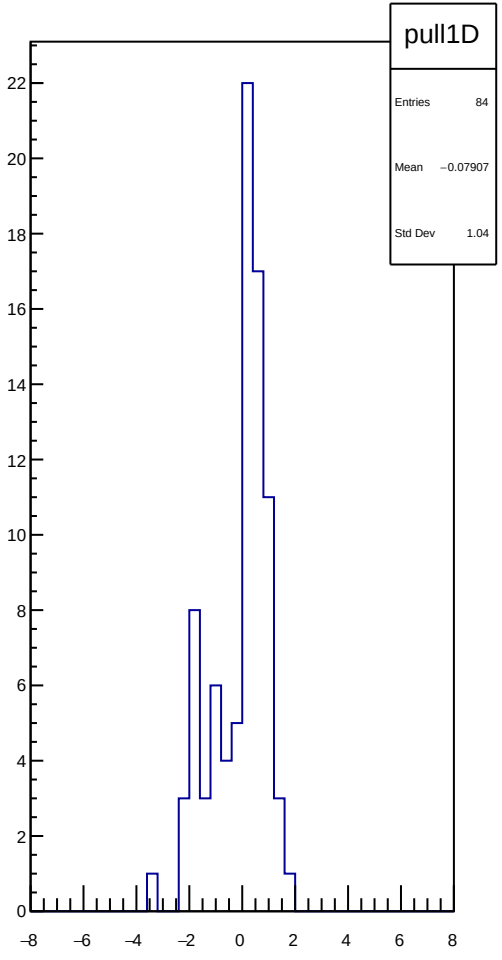

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.52 / 83
p0 67.04 ± 0.674
pull
Entries 84
Mean −1073
Std Dev 1131

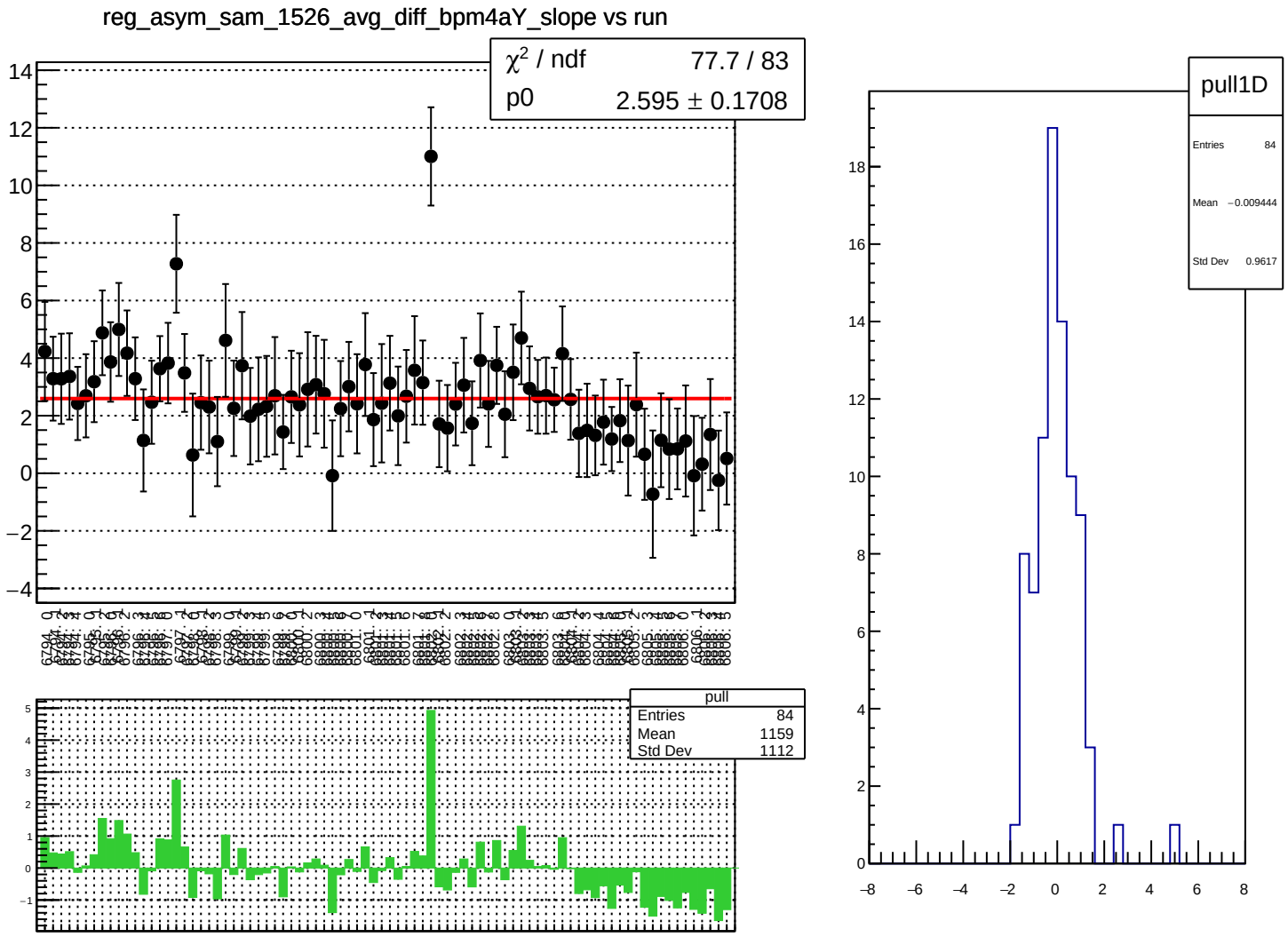

pull1D
Entries 84
Mean −0.00145
Std Dev 0.3703

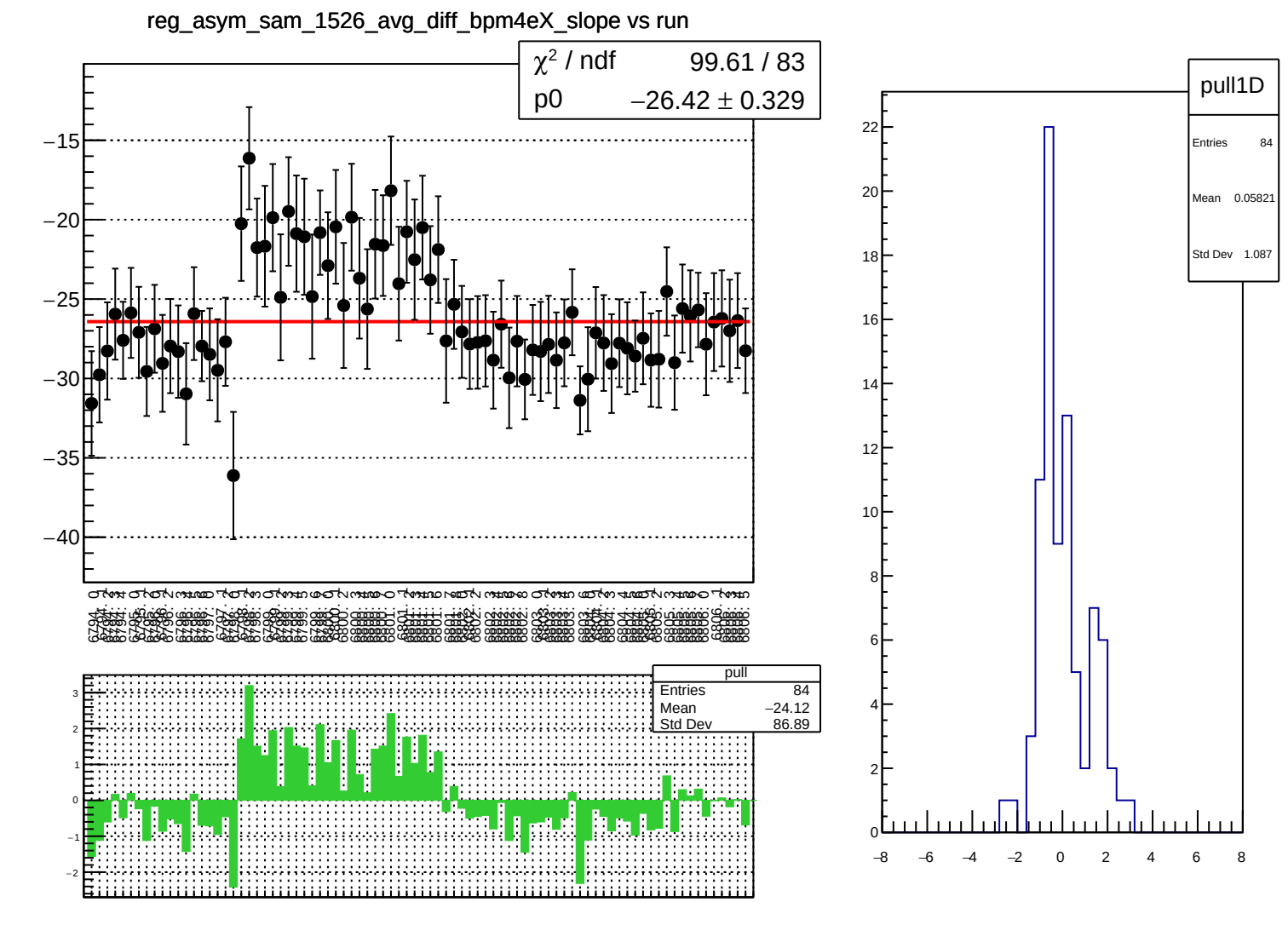

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 19.63 / 83
p0 0.2033 ± 0.03984
pull
Entries 84
Mean −416.7
Std Dev 487.7

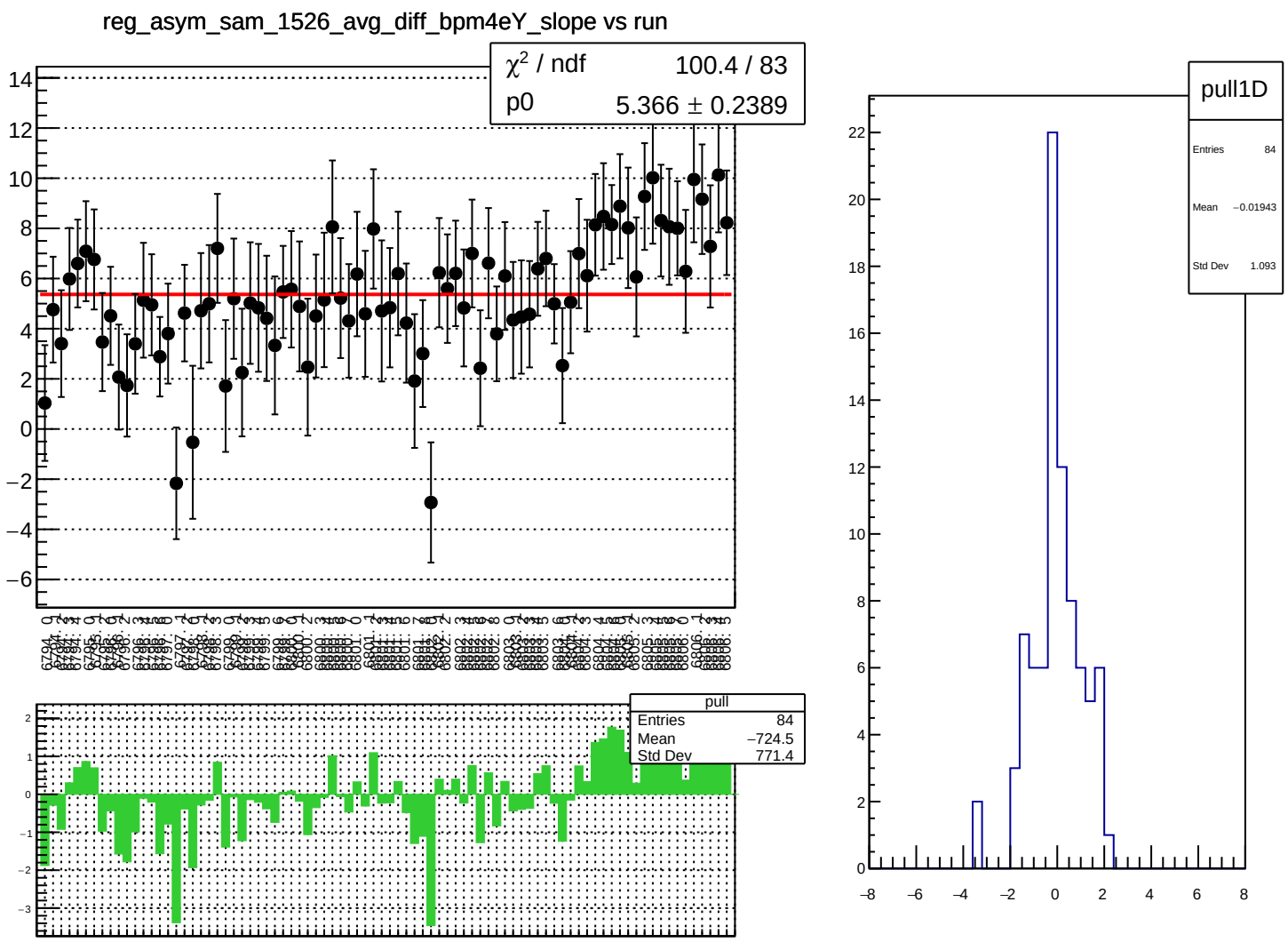

pull1D
Entries 84
Mean 0.00686
Std Dev 0.4833

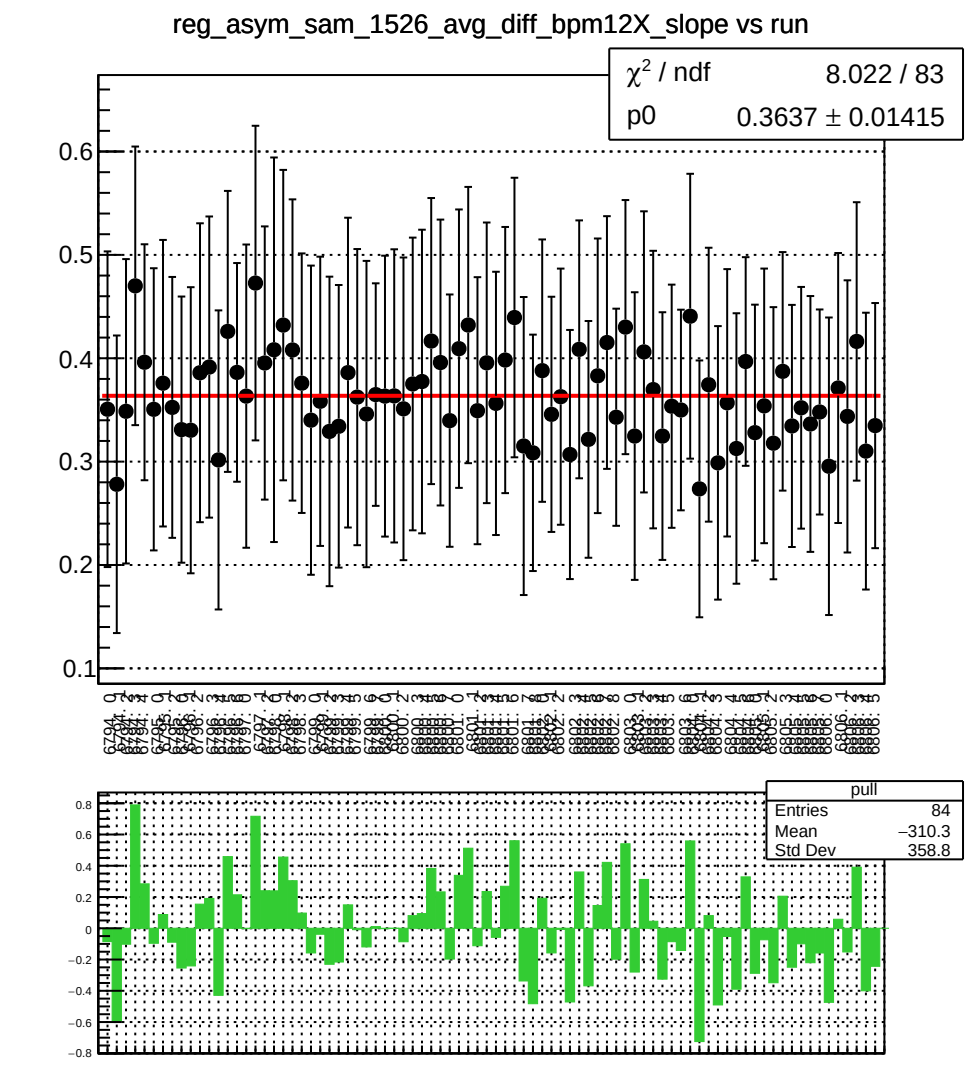

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 91.36 / 83
p0 −7.767 ± 0.3511
pull
Entries 84
Mean −10.54
Std Dev 73.17

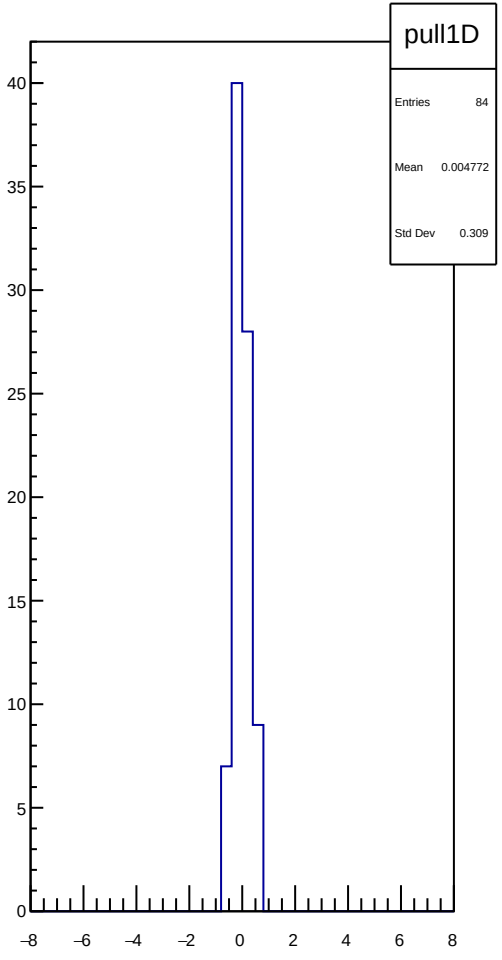

pull1D
Entries 84
Mean −0.07907
Std Dev 1.04

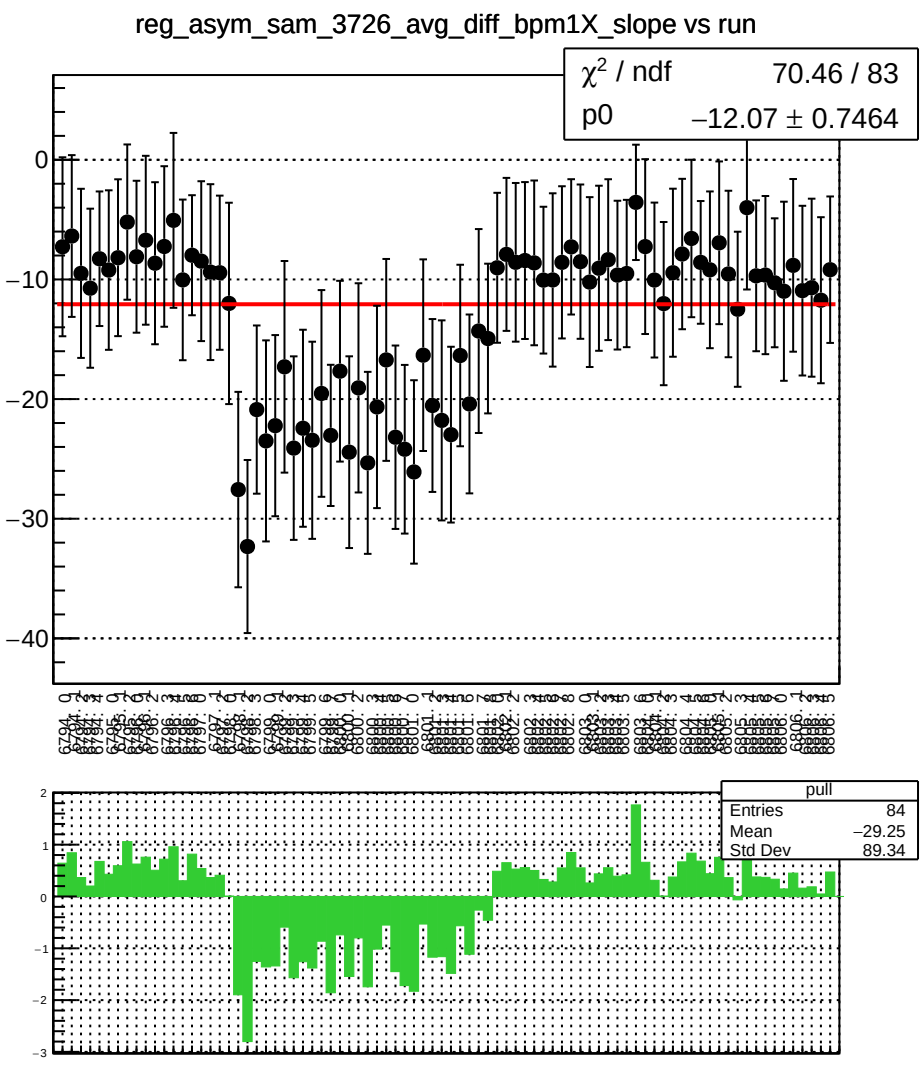

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 77.7 / 83
p0 2.595 ± 0.1708
pull
Entries 84
Mean 1159
Std Dev 1112
pull1D
Entries 84
Mean −0.009444
Std Dev 0.9617

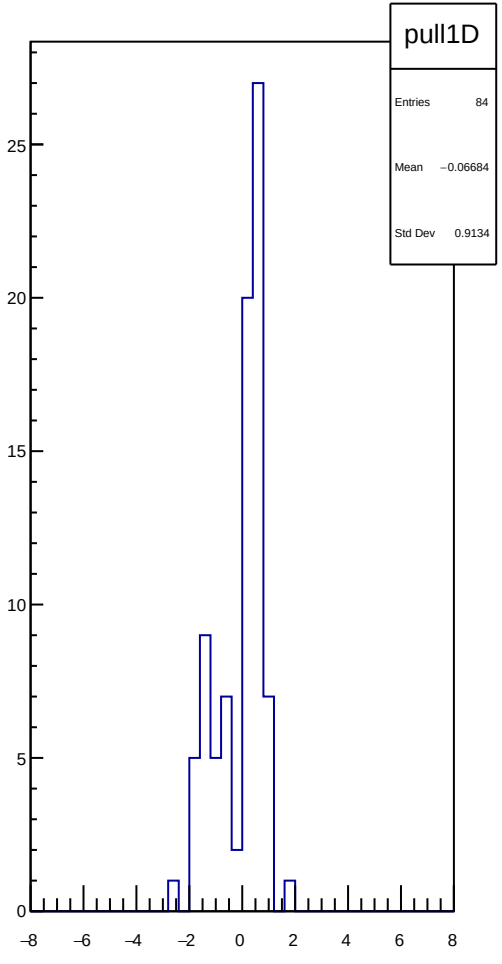

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 99.61 / 83
p0 −26.42 ± 0.329
pull
Entries 84
Mean −24.12
Std Dev 86.89
pull1D
Entries 84
Mean 0.05821
Std Dev 1.087

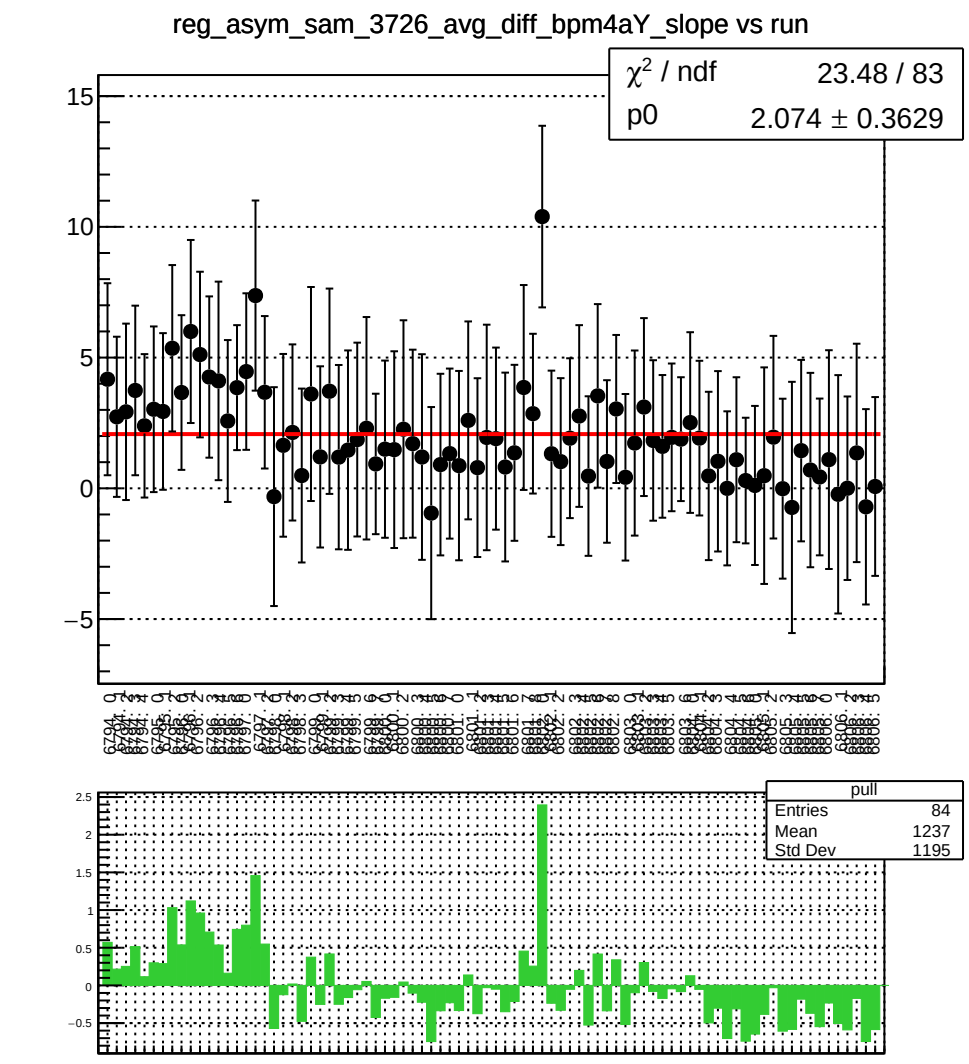

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 100.4 / 83
p0 5.366 ± 0.2389
pull
Entries 84
Mean −724.5
Std Dev 771.4
pull1D
Entries 84
Mean −0.01943
Std Dev 1.093

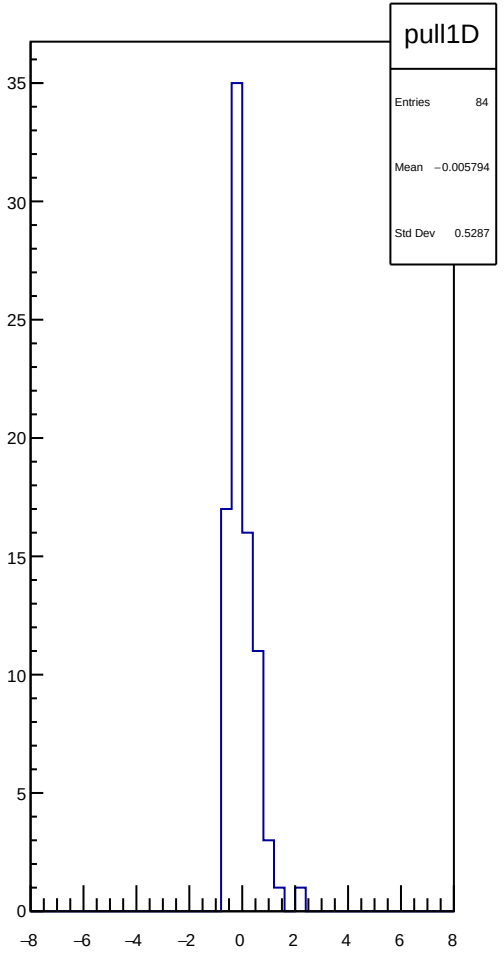

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 8.022 / 83
p0 0.3637 ± 0.01415
pull
Entries 84
Mean −310.3
Std Dev 358.8

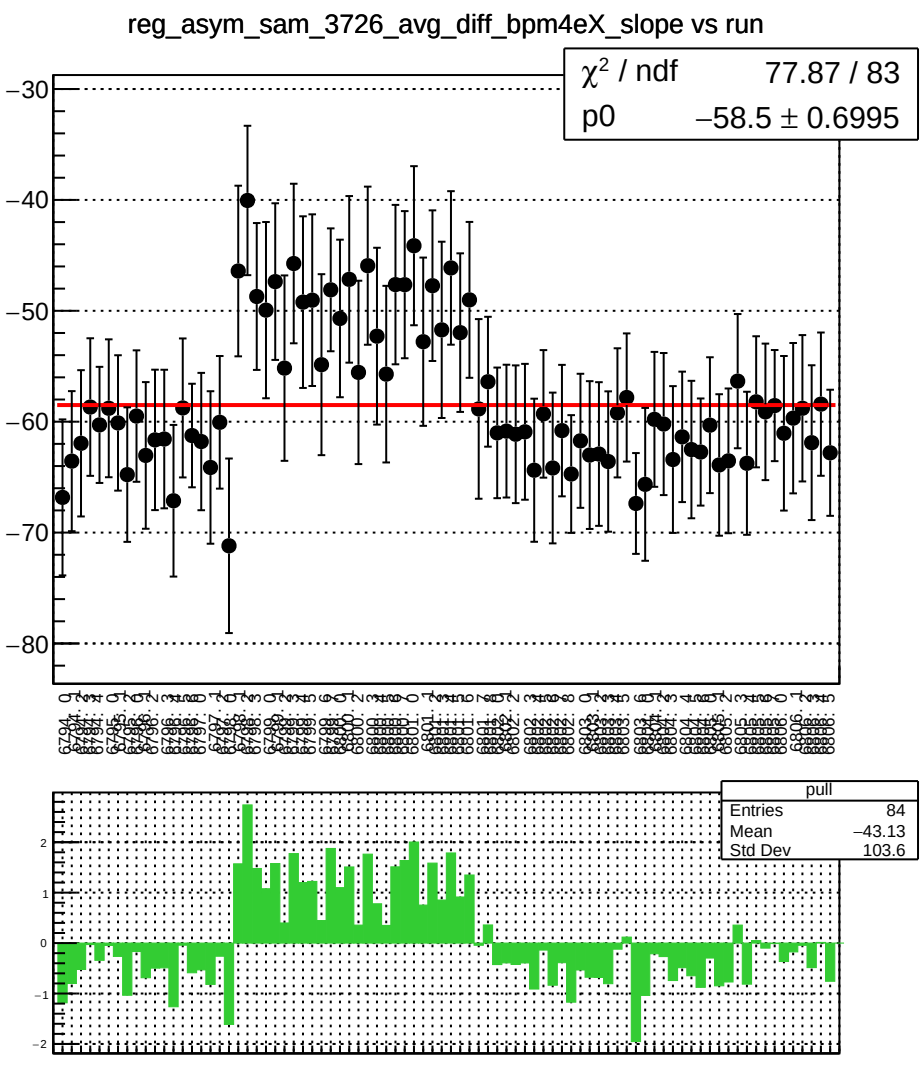

pull1D
Entries 84
Mean 0.004772
Std Dev 0.309

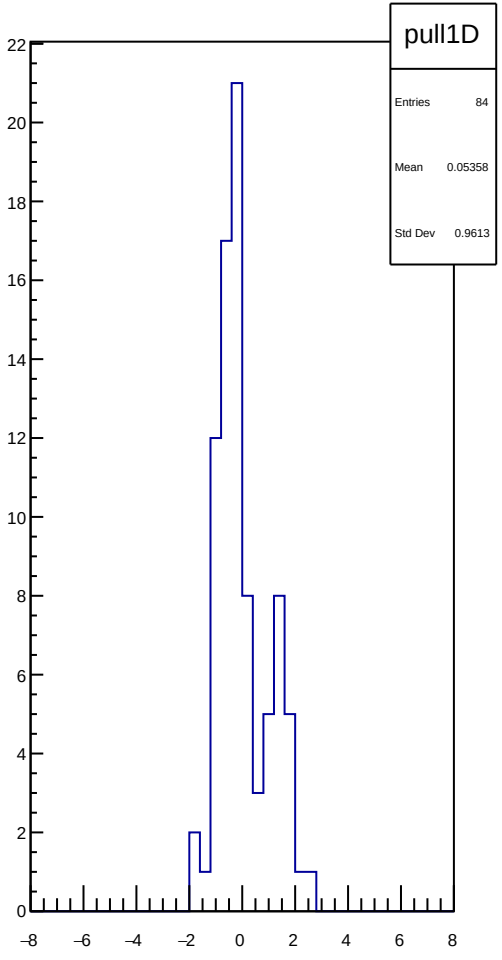

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 70.46 / 83
p0 −12.07 ± 0.7464
pull
Entries 84
Mean −29.25
Std Dev 89.34

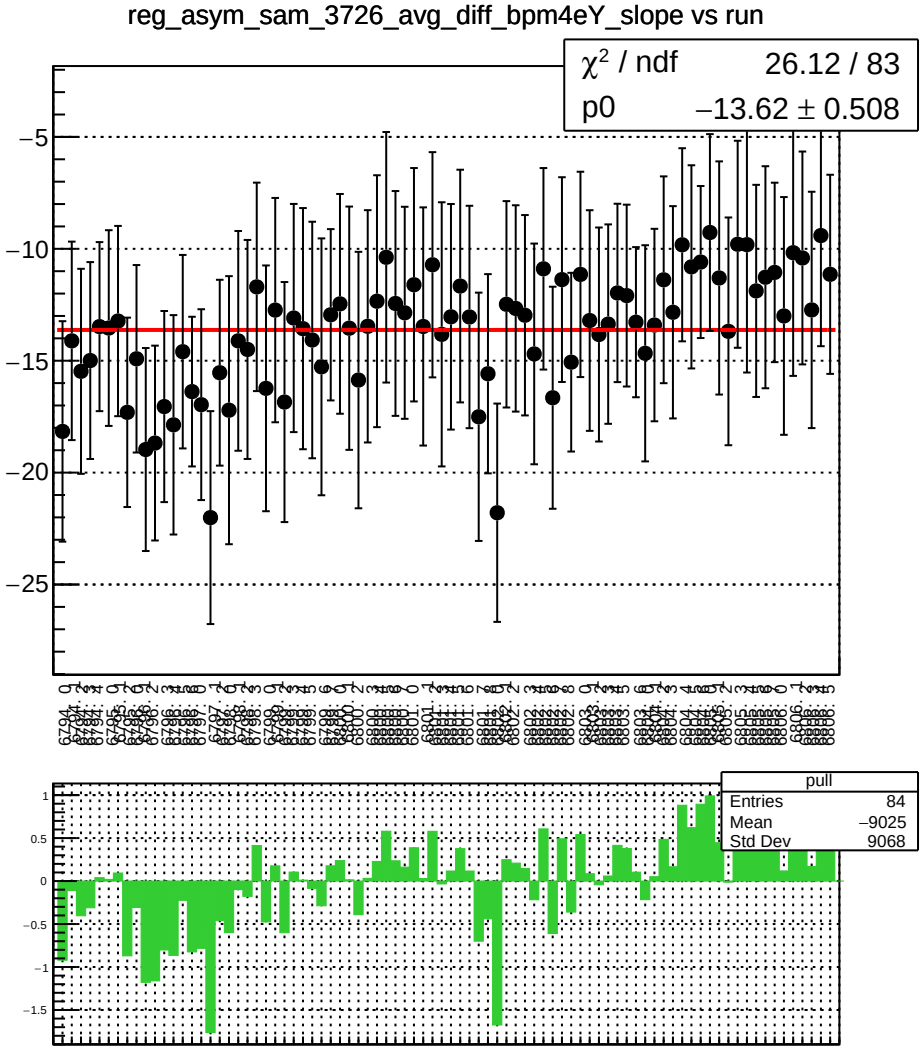

pull1D
Entries 84
Mean −0.06684
Std Dev 0.9134

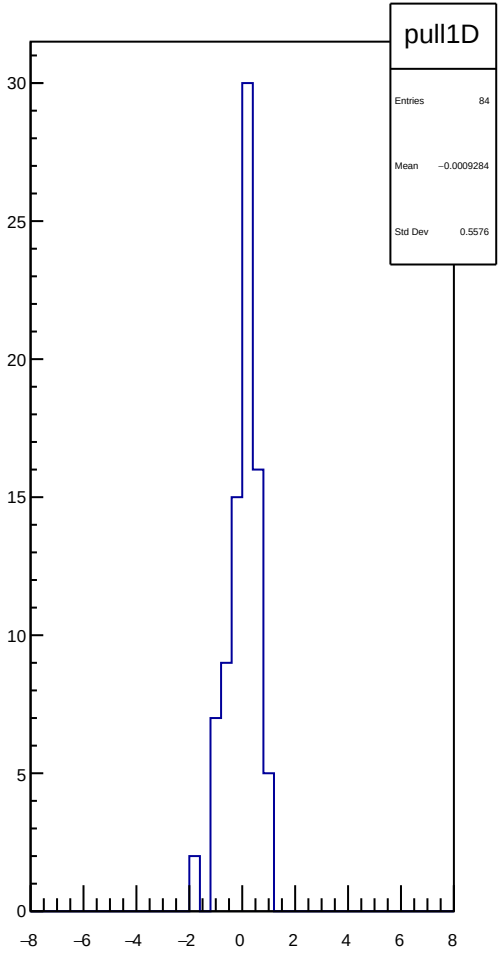

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 23.48 / 83
p0 2.074 ± 0.3629
pull
Entries 84
Mean 1237
Std Dev 1195

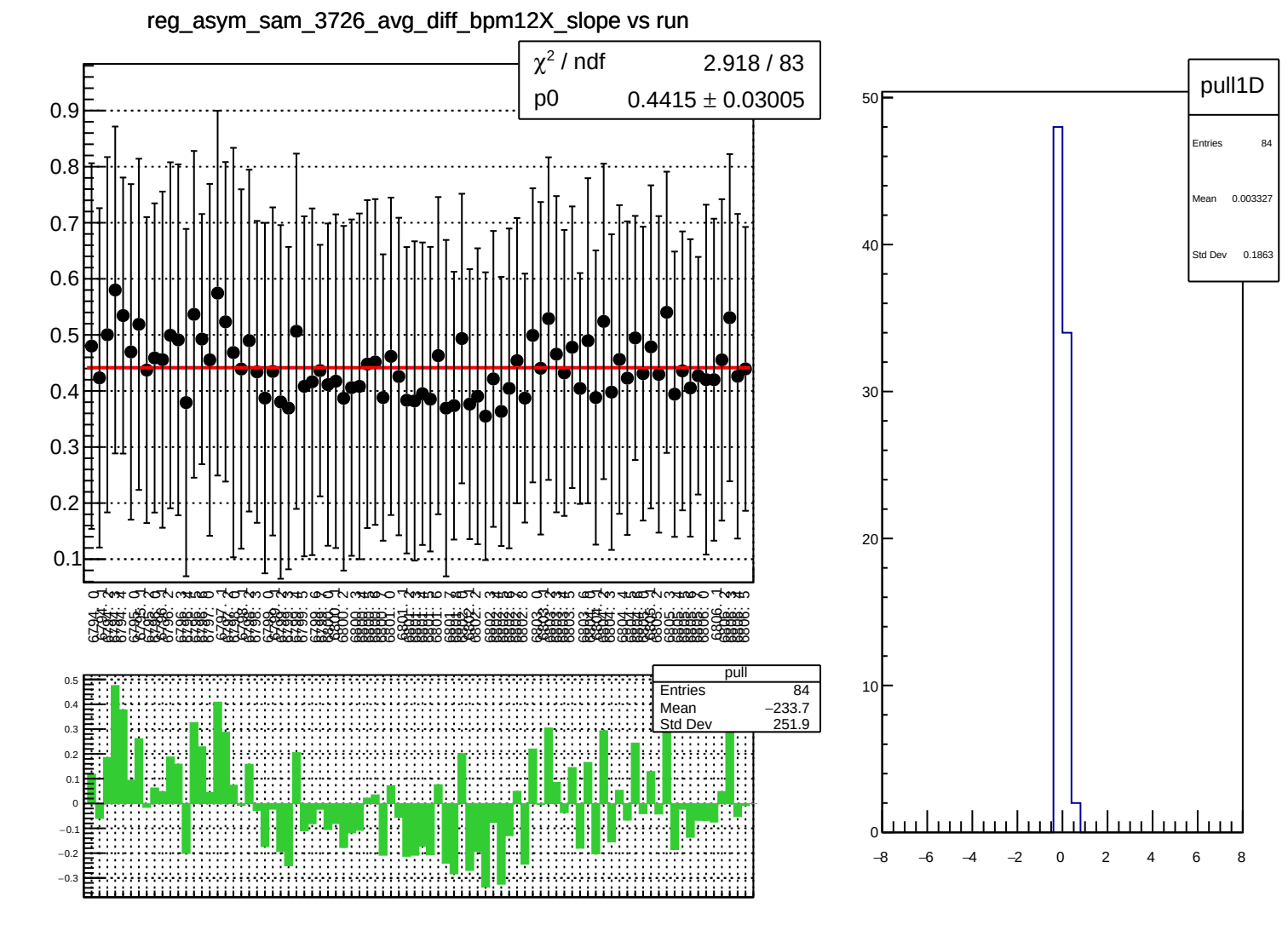

pull1D
Entries 84
Mean −0.005794
Std Dev 0.5287

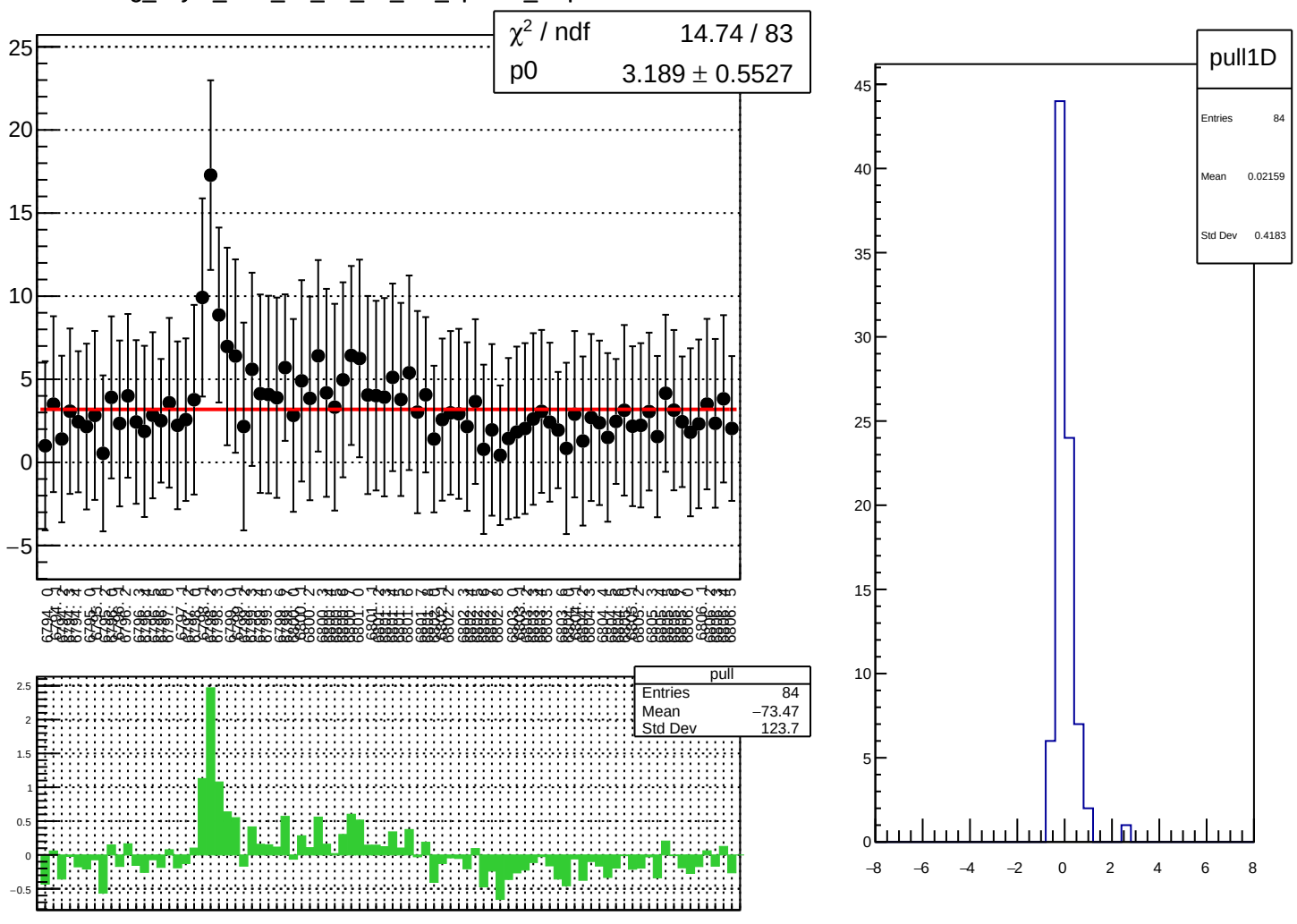

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 77.87 / 83
p0 −58.5 ± 0.6995
pull
Entries 84
Mean −43.13
Std Dev 103.6

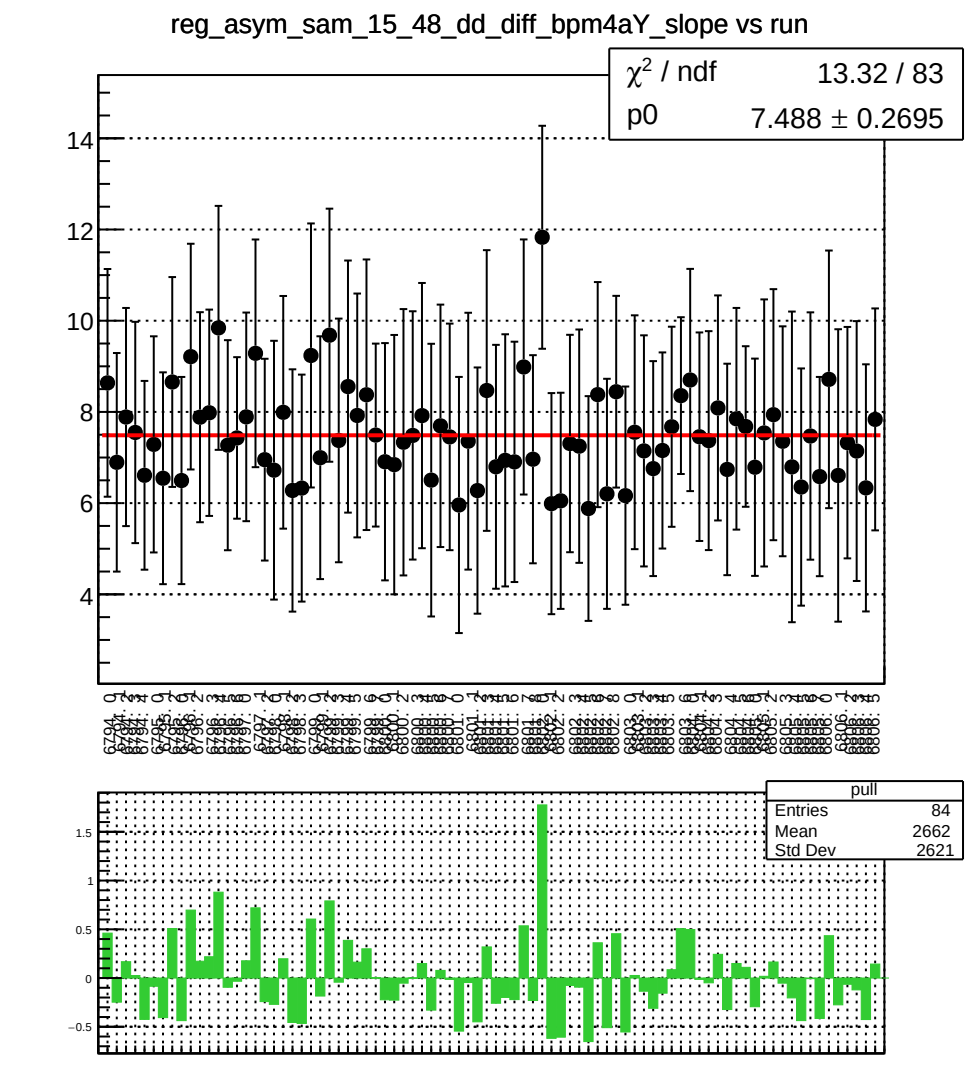

pull1D
Entries 84
Mean 0.05358
Std Dev 0.9613

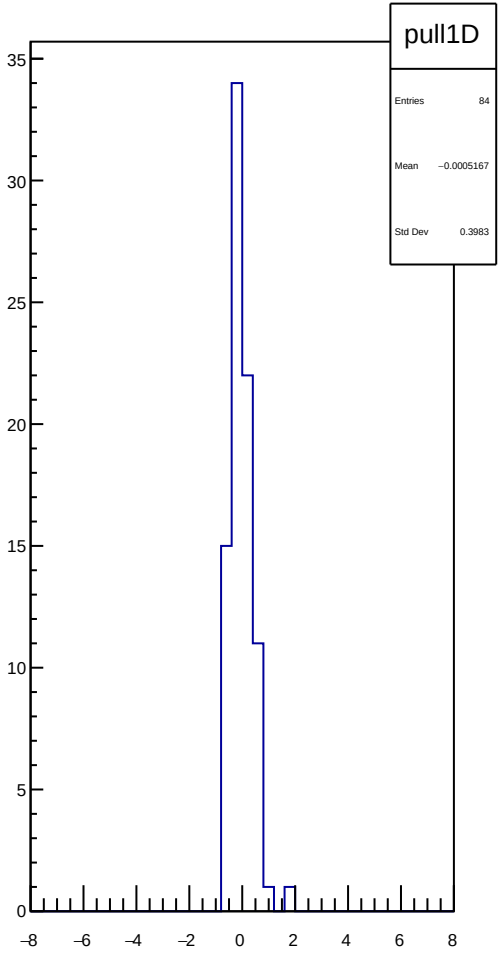

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 26.12 / 83
p0 −13.62 ± 0.508
pull
Entries 84
Mean −9025
Std Dev 9068

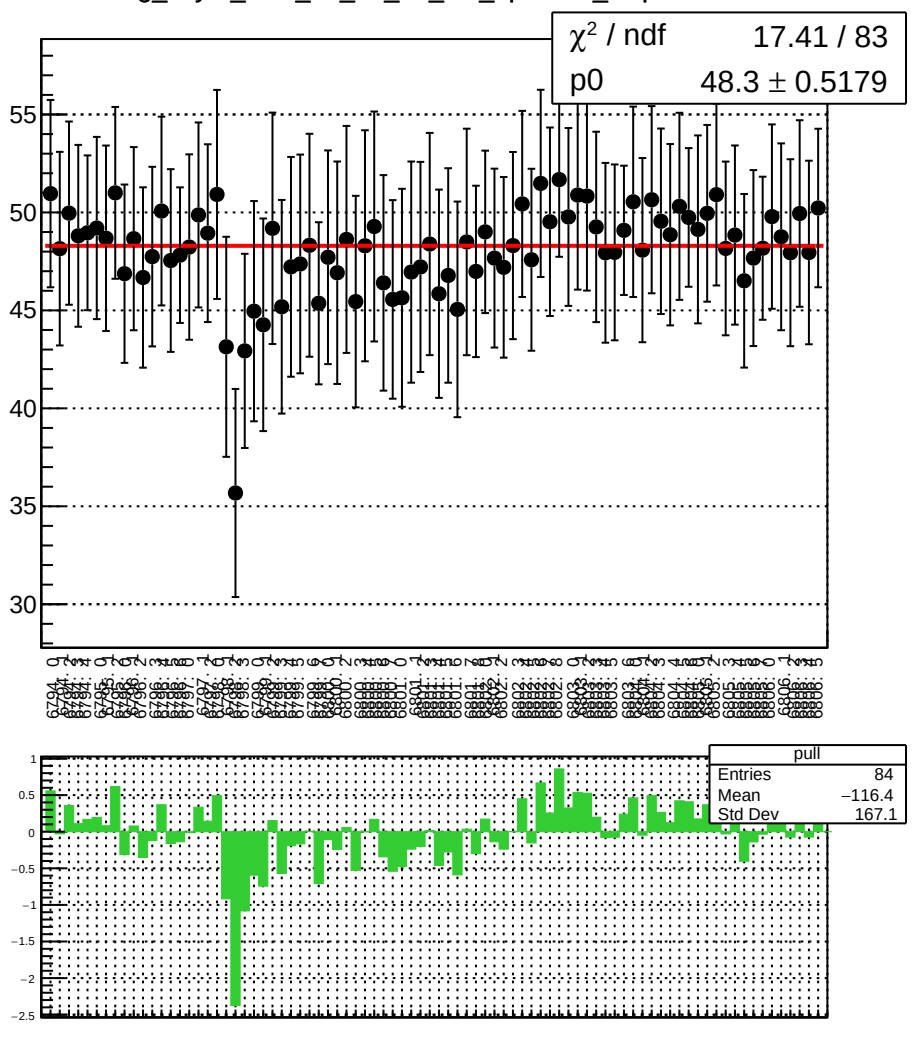

pull1D
Entries 84
Mean −0.0009284
Std Dev 0.5576

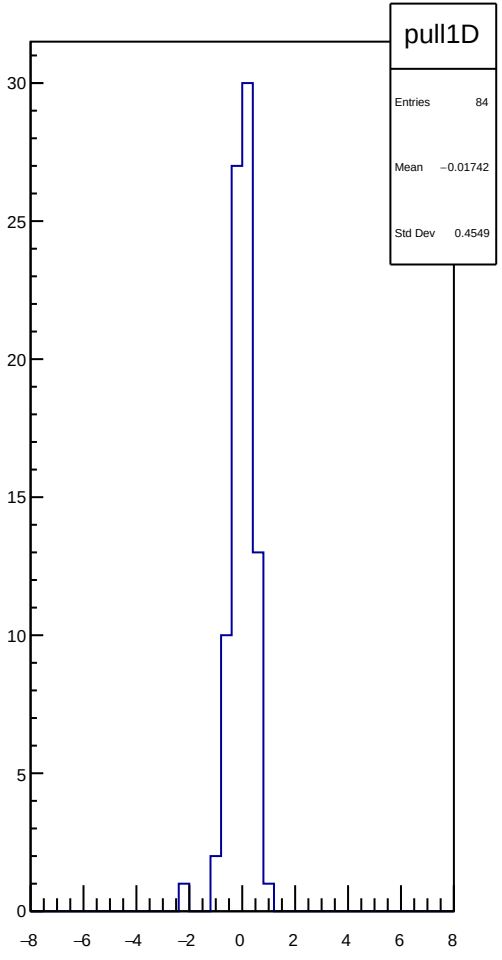

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 2.918 / 83
p0 0.4415 ± 0.03005
pull
Entries 84
Mean −233.7
Std Dev 251.9
pull1D
Entries 84
Mean 0.003327
Std Dev 0.1863

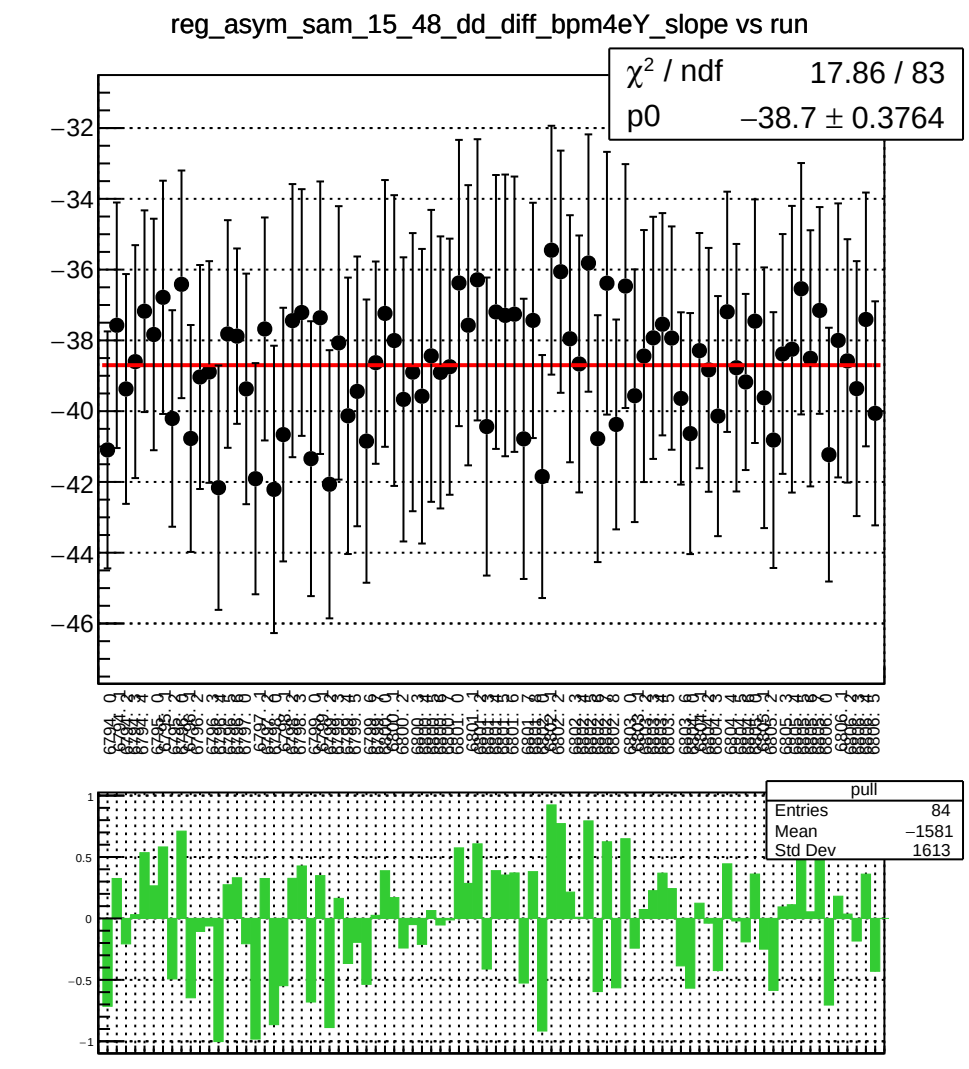

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 14.74 / 83
p0 3.189 ± 0.5527
pull
Entries 84
Mean −73.47
Std Dev 123.7
pull1D
Entries 84
Mean 0.02159
Std Dev 0.4183

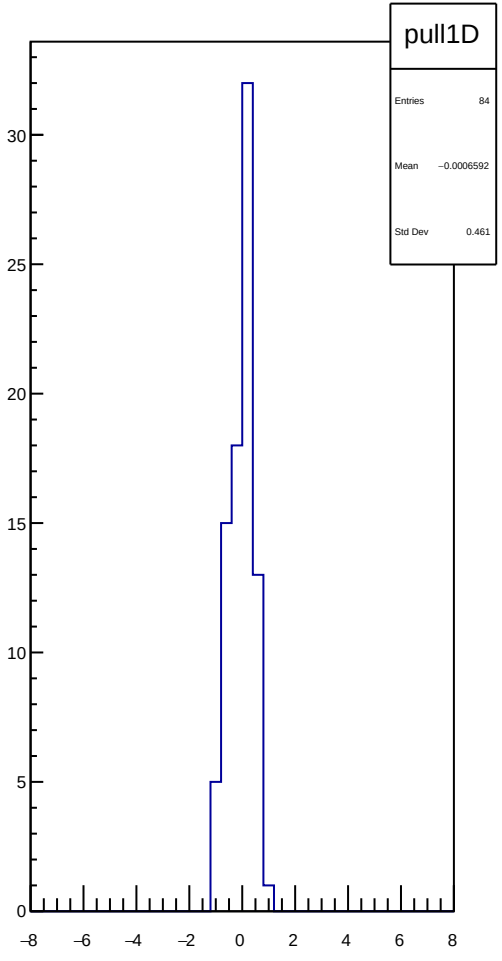

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.32 / 83
p0 7.488 ± 0.2695
pull
Entries 84
Mean 2662
Std Dev 2621

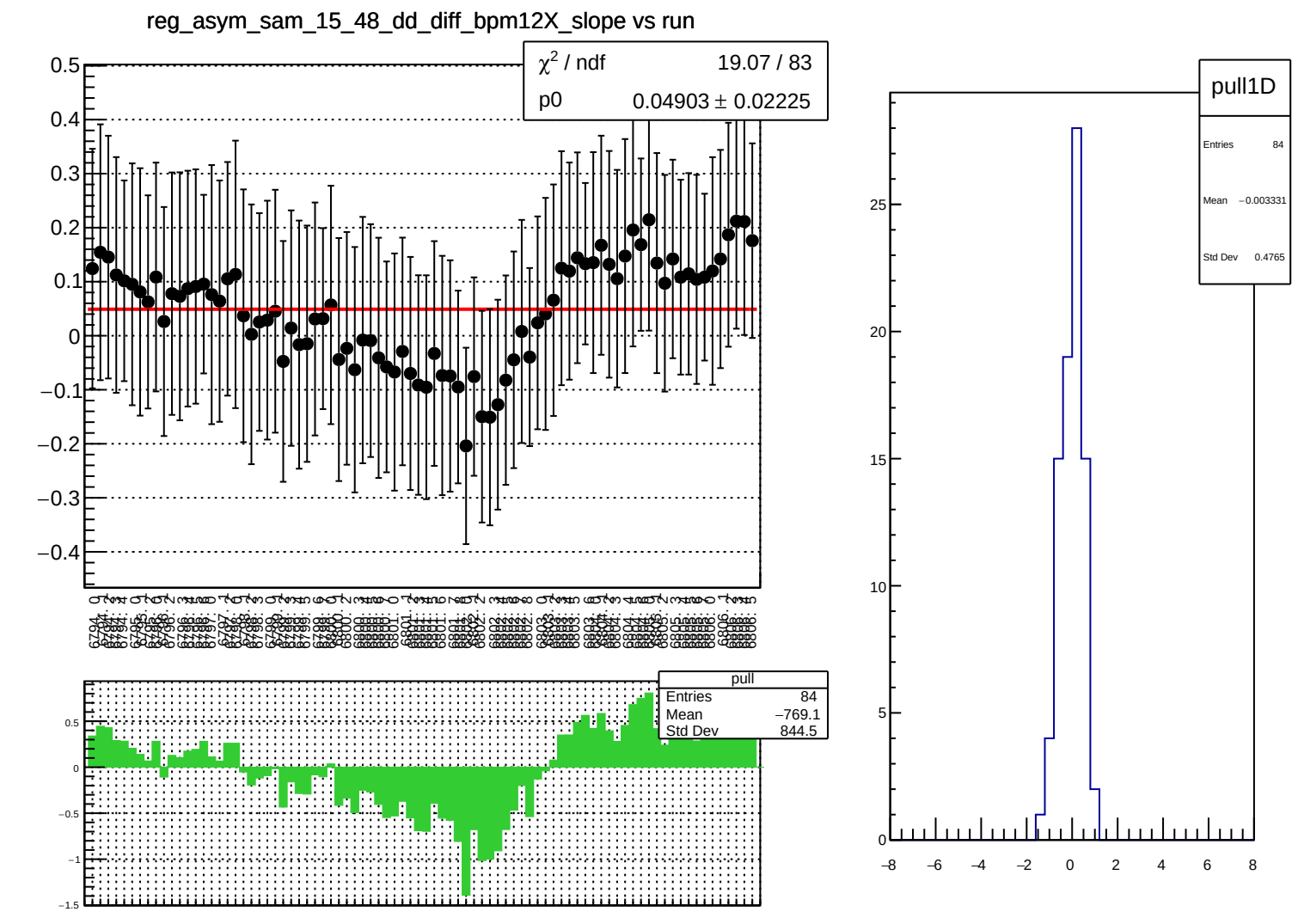

pull1D
Entries 84
Mean −0.0005167
Std Dev 0.3983

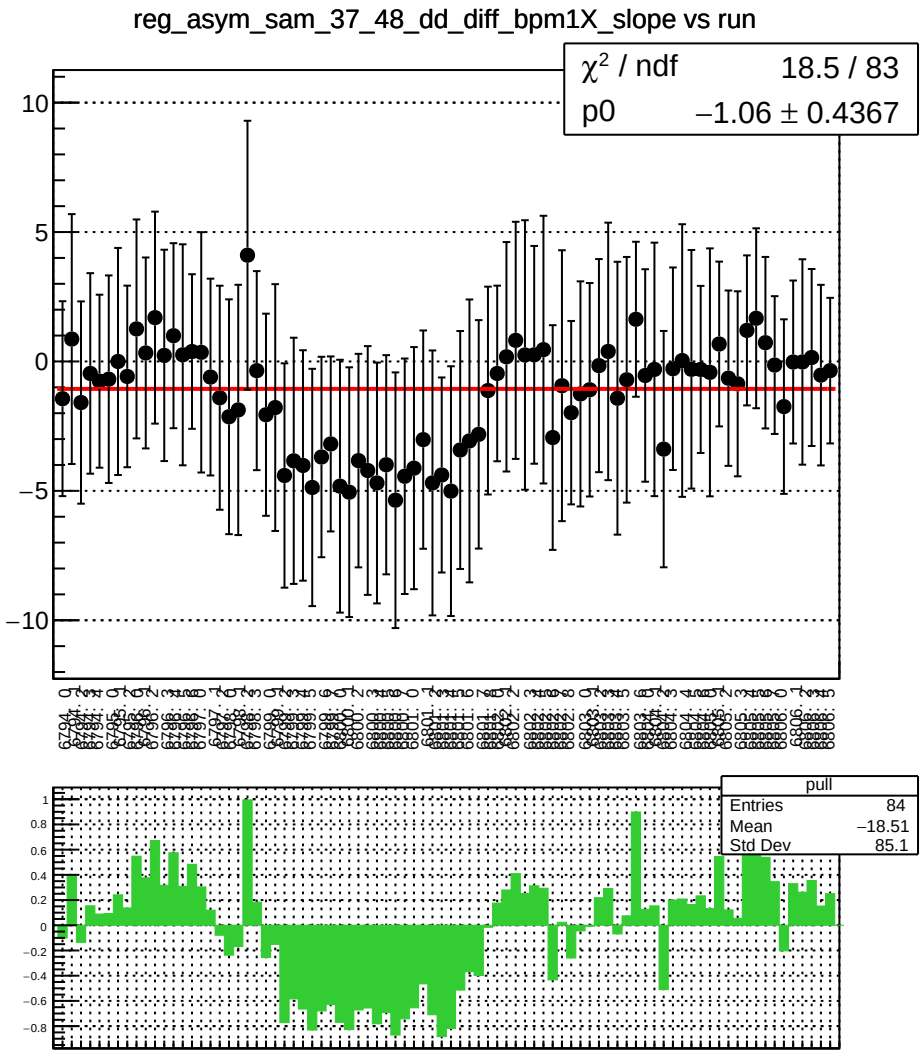

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 17.41 / 83
p0 48.3 ± 0.5179
pull
Entries 84
Mean −116.4
Std Dev 167.1

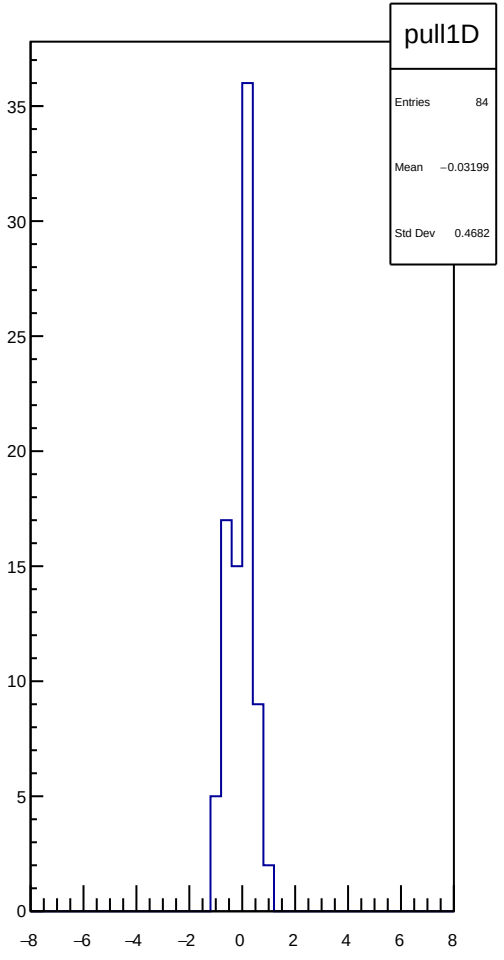

pull1D
Entries 84
Mean −0.01742
Std Dev 0.4549

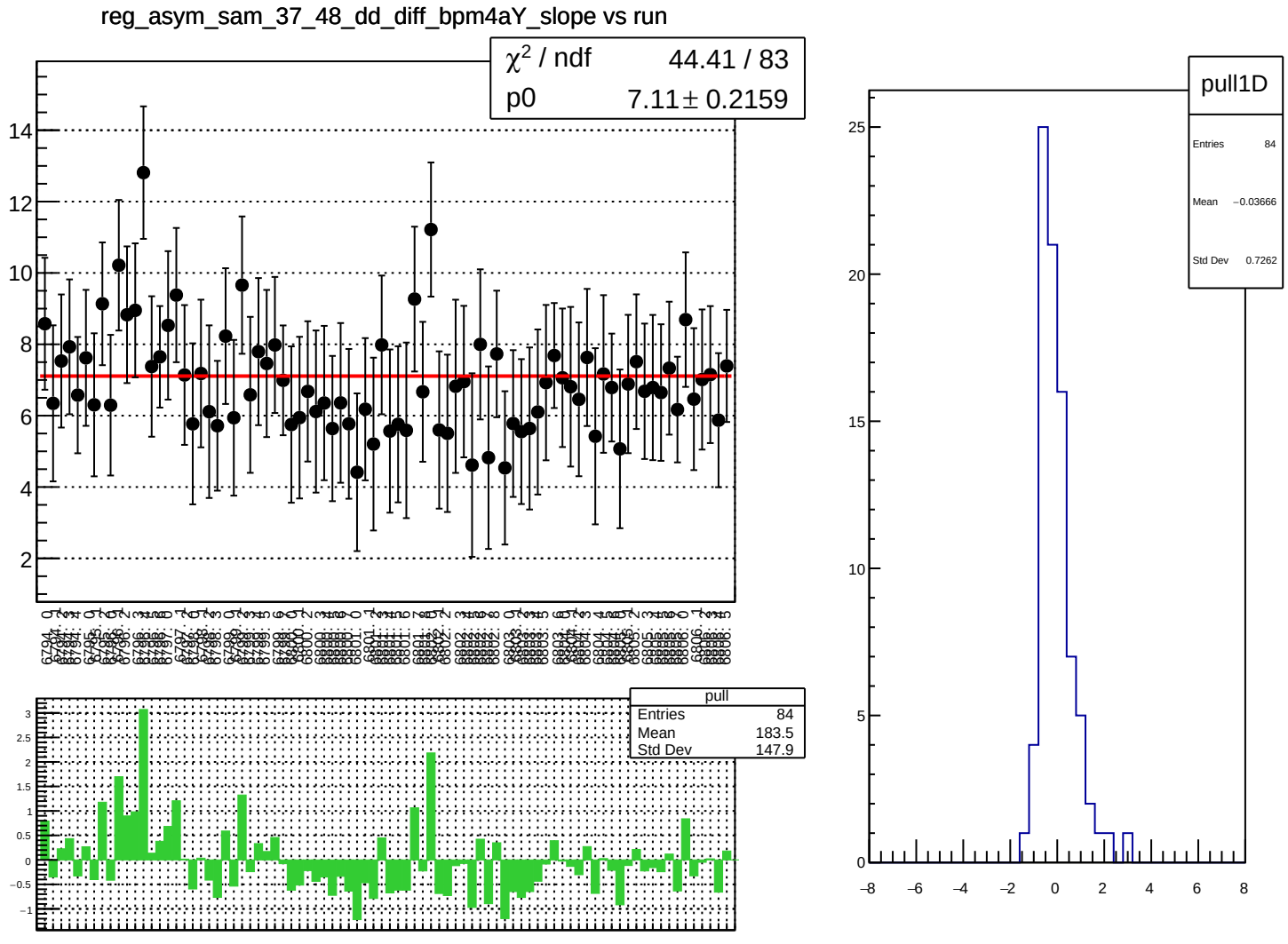

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 17.86 / 83
p0 −38.7 ± 0.3764
pull
Entries 84
Mean −1581
Std Dev 1613

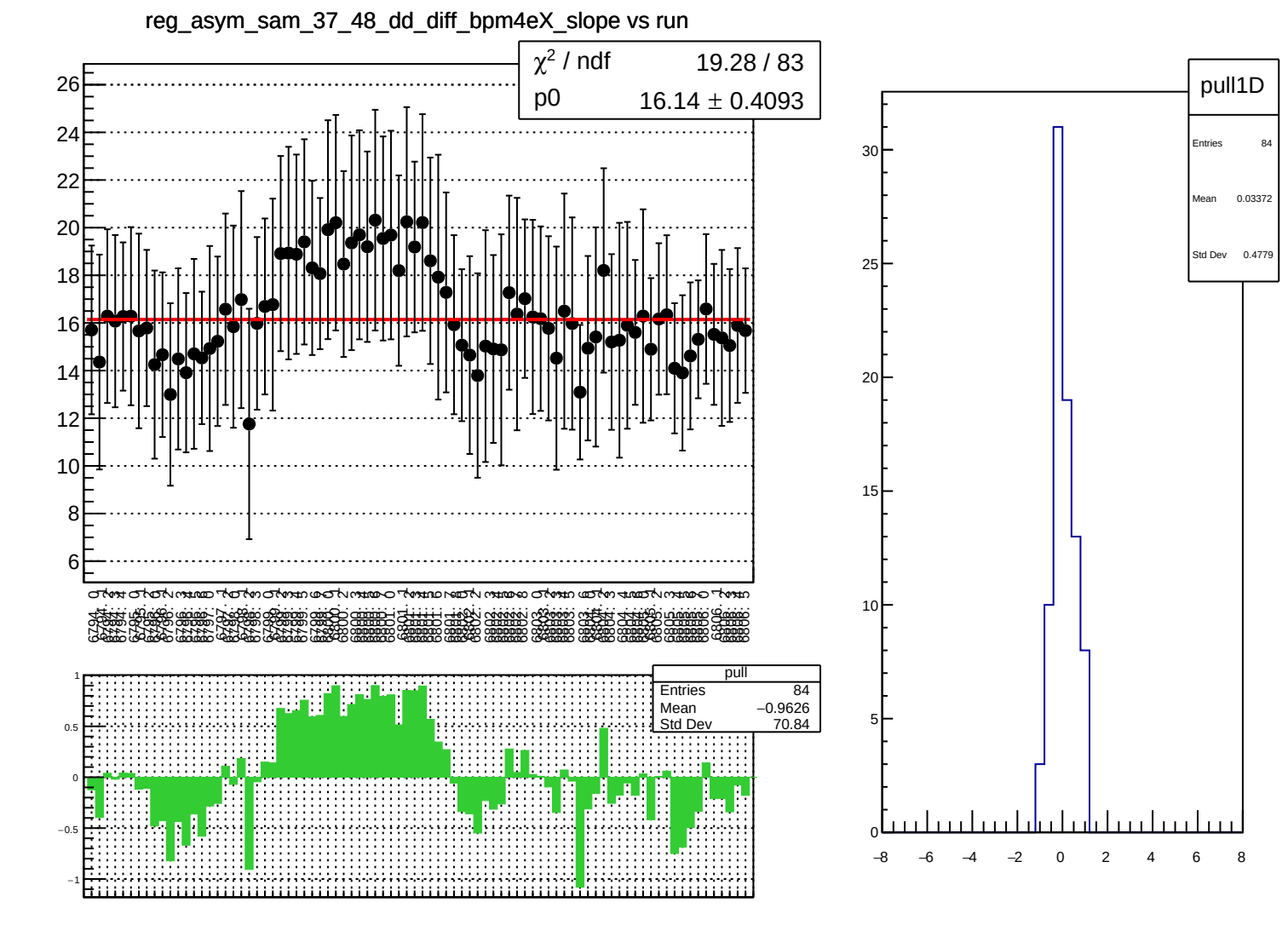

pull1D
Entries 84
Mean −0.0006592
Std Dev 0.461

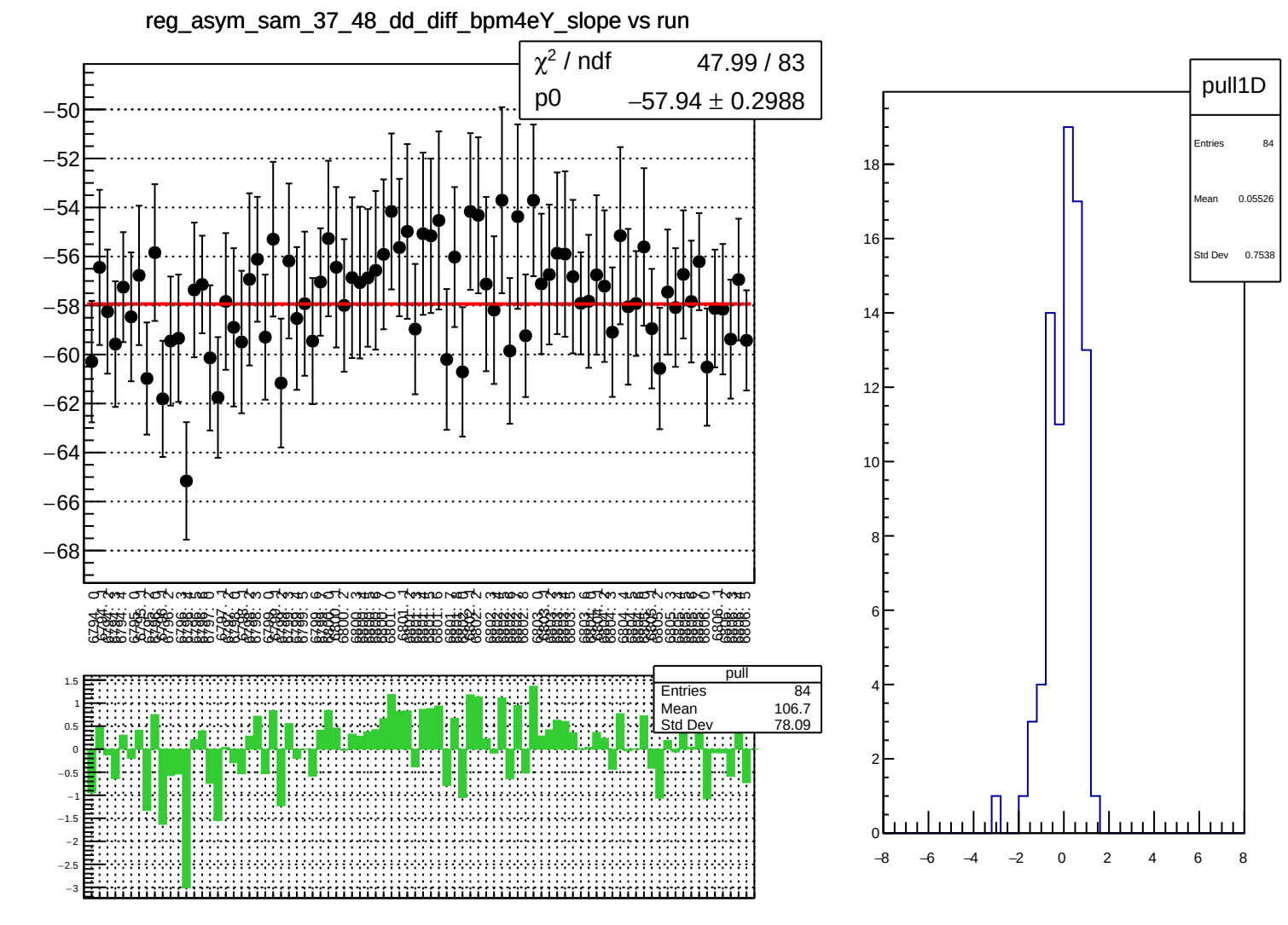

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 19.07 / 83
p0 0.04903 ± 0.02225
pull
Entries 84
Mean −769.1
Std Dev 844.5
pull1D
Entries 84
Mean −0.003331
Std Dev 0.4765

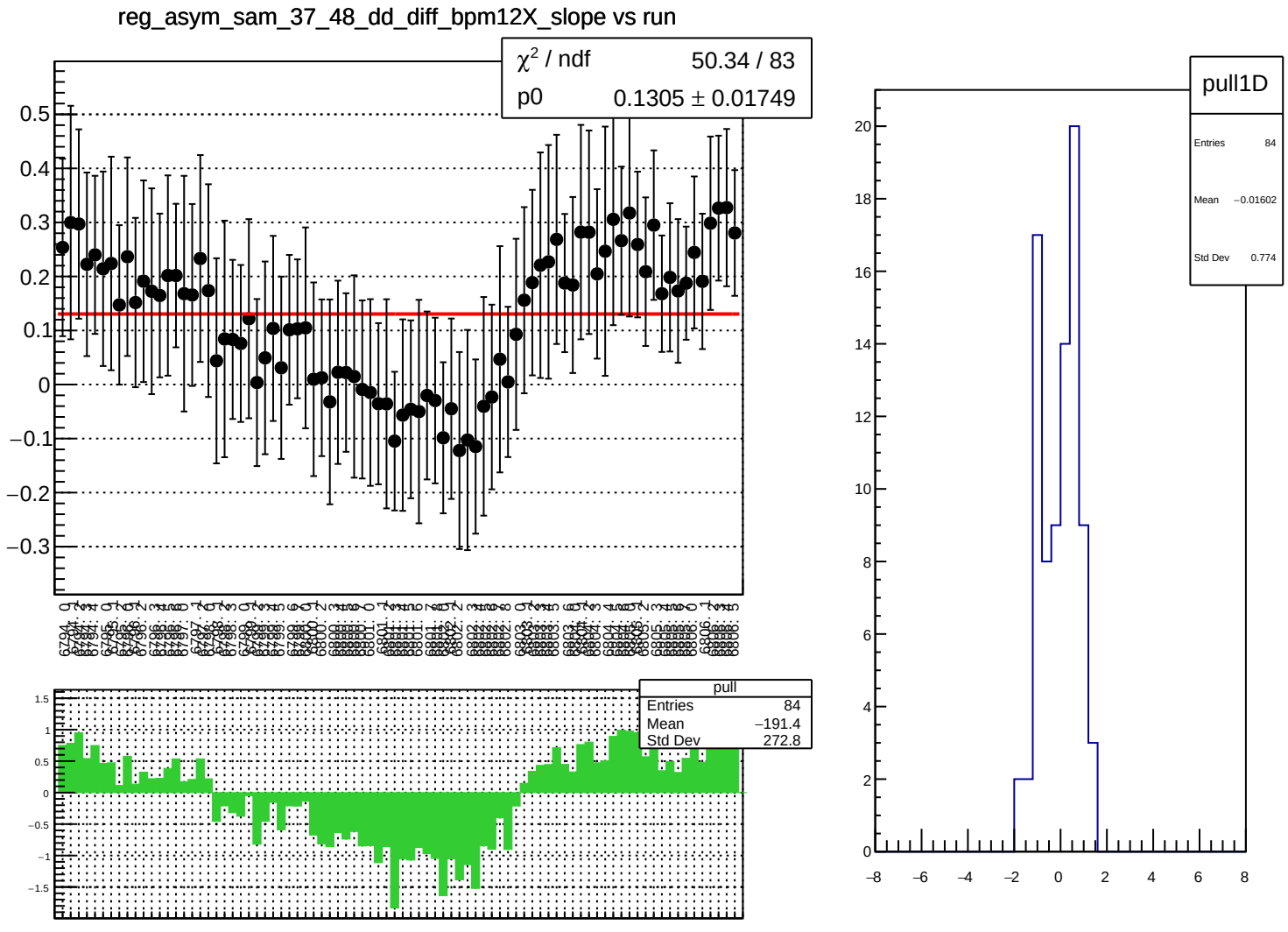

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 18.5 / 83
p0 −1.06 ± 0.4367
pull
Entries 84
Mean −18.51
Std Dev 85.1

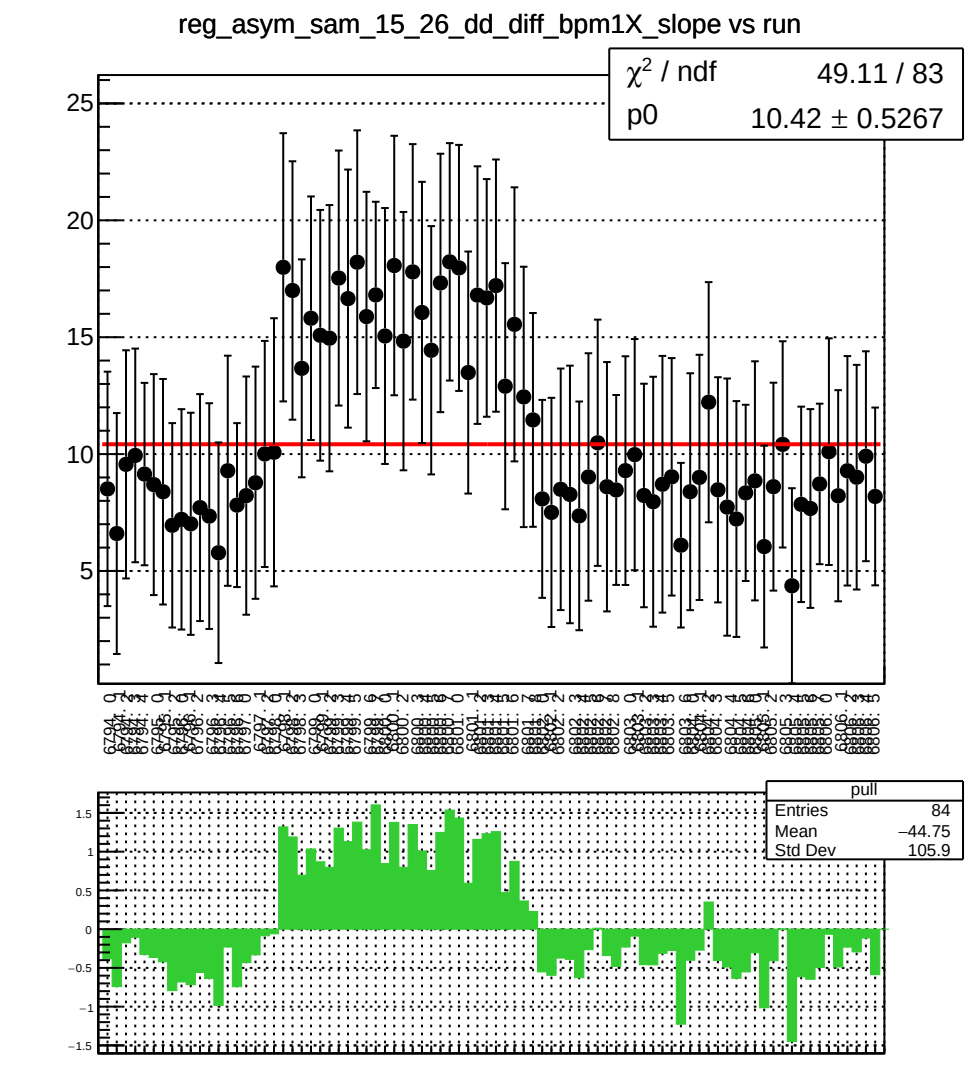

pull1D
Entries 84
Mean −0.03199
Std Dev 0.4682

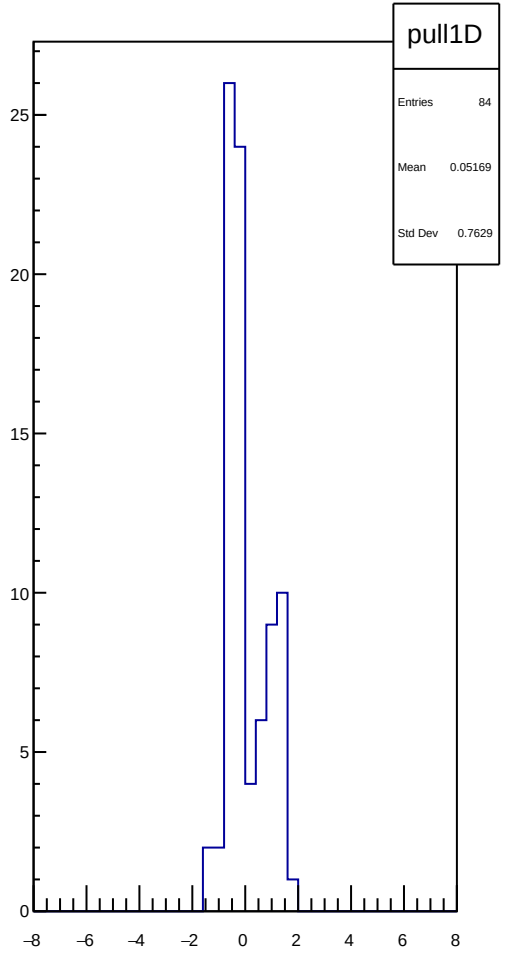

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 44.41 / 83
p0 7.11 ± 0.2159
pull
Entries 84
Mean 183.5
Std Dev 147.9
pull1D
Entries 84
Mean −0.03666
Std Dev 0.7262

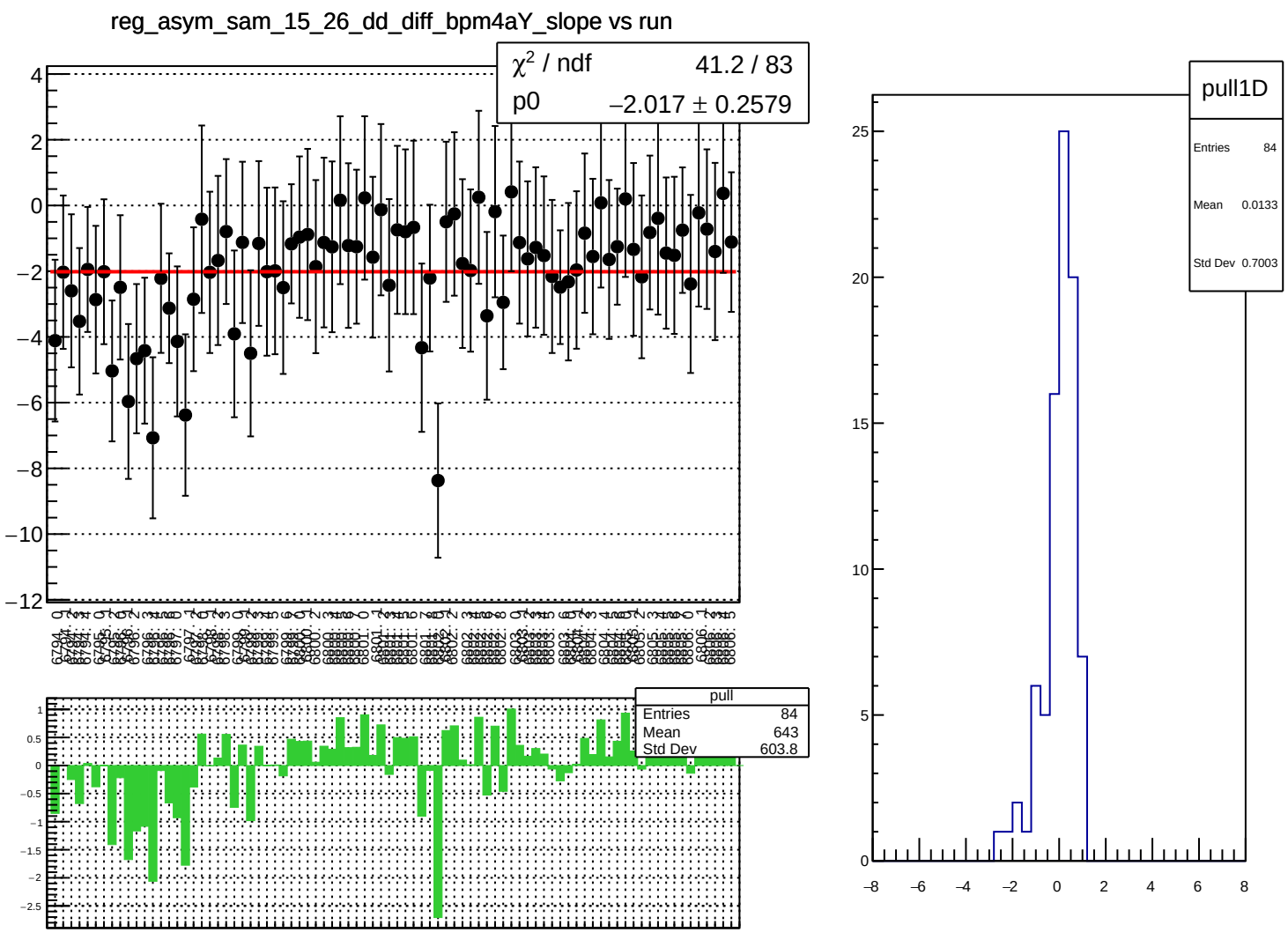

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 19.28 / 83
p0 16.14 ± 0.4093
pull
Entries 84
Mean −0.9626
Std Dev 70.84
pull1D
Entries 84
Mean 0.03372
Std Dev 0.4779

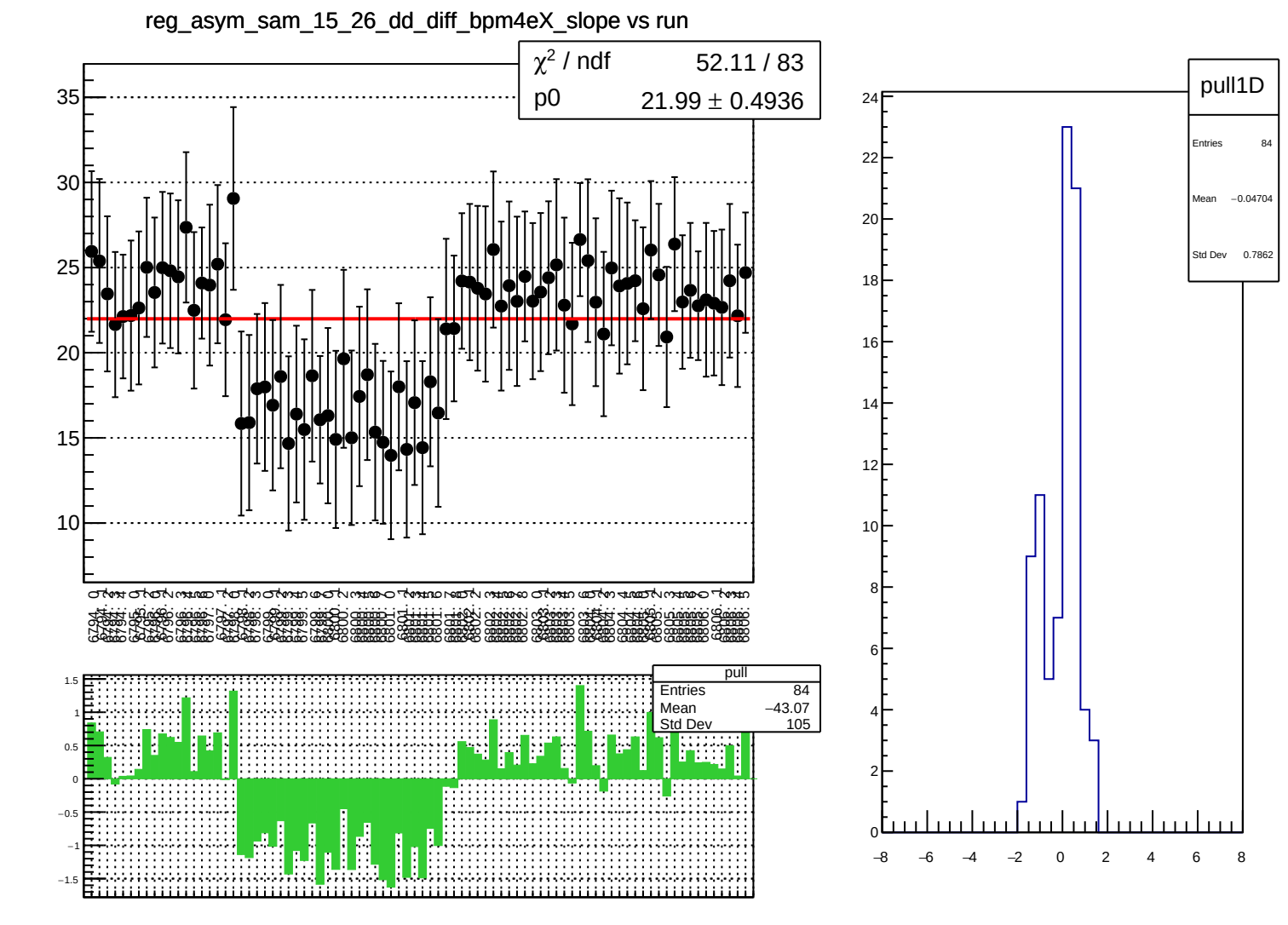

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 47.99 / 83
p0 −57.94 ± 0.2988
pull
Entries 84
Mean 106.7
Std Dev 78.09
pull1D
Entries 84
Mean 0.05526
Std Dev 0.7538

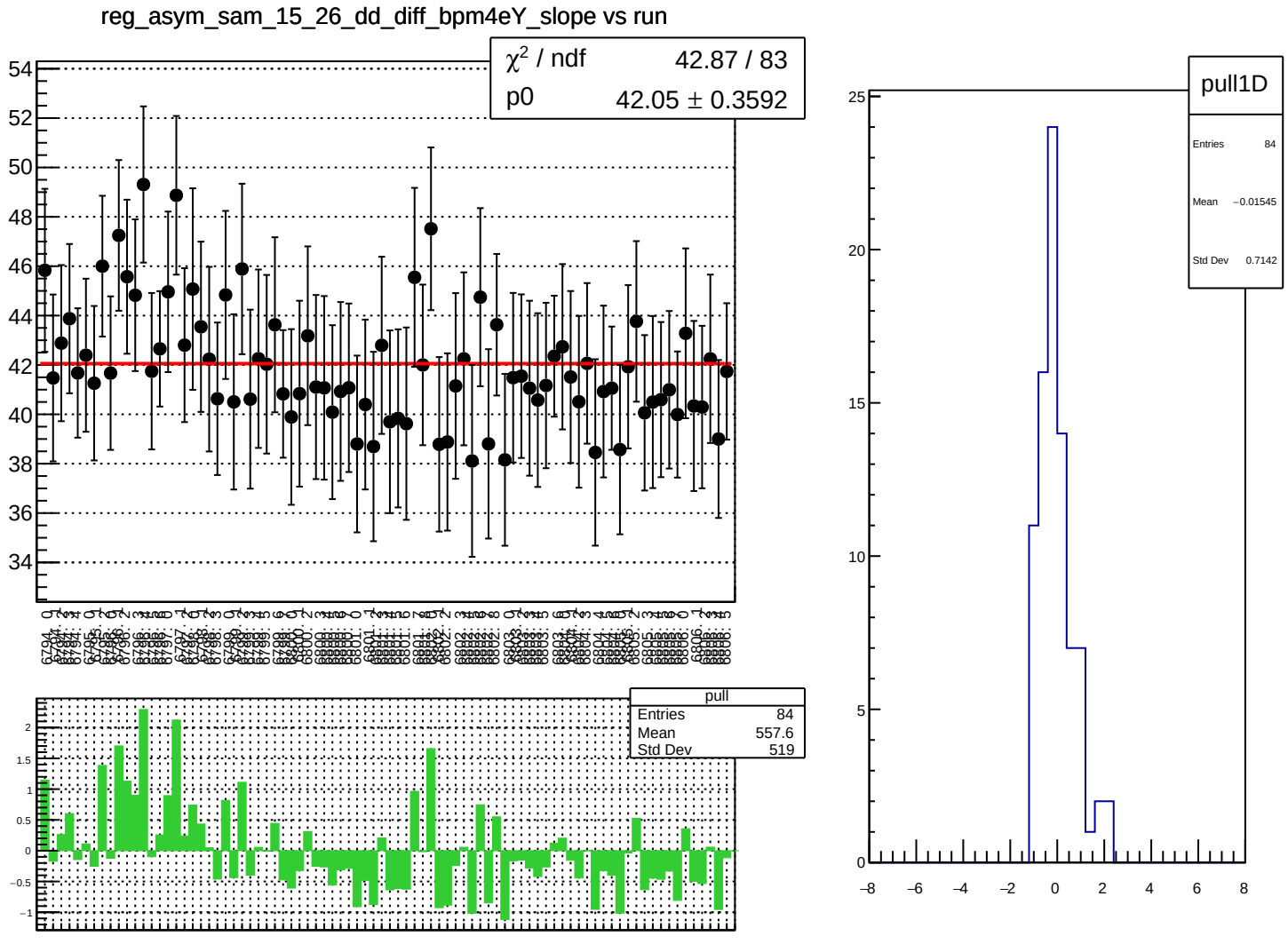

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 50.34 / 83
p0 0.1305 ± 0.01749
pull
Entries 84
Mean −191.4
Std Dev 272.8
pull1D
Entries 84
Mean −0.01602
Std Dev 0.774

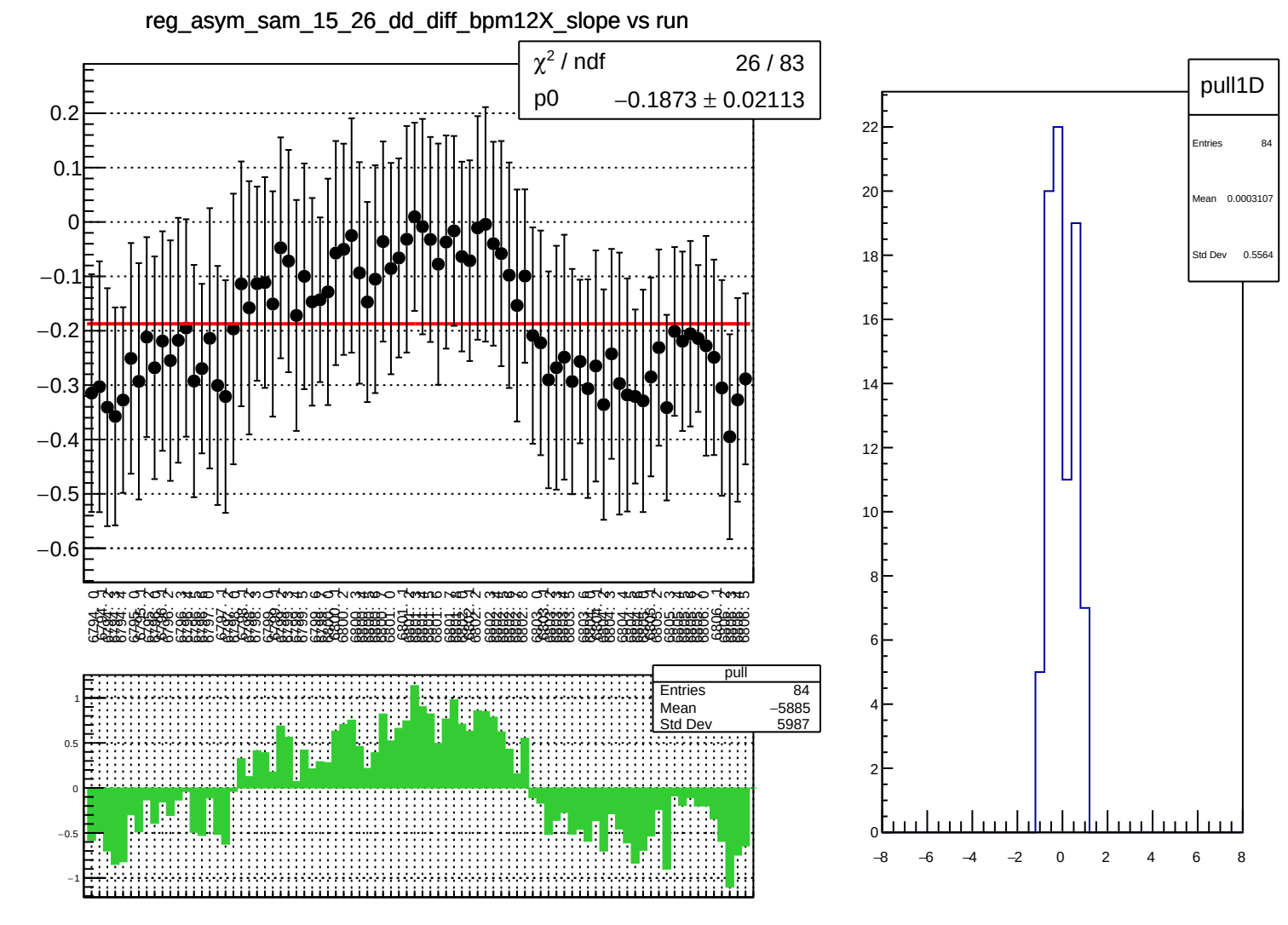

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 49.11 / 83
p0 10.42 ± 0.5267
pull
Entries 84
Mean −44.75
Std Dev 105.9

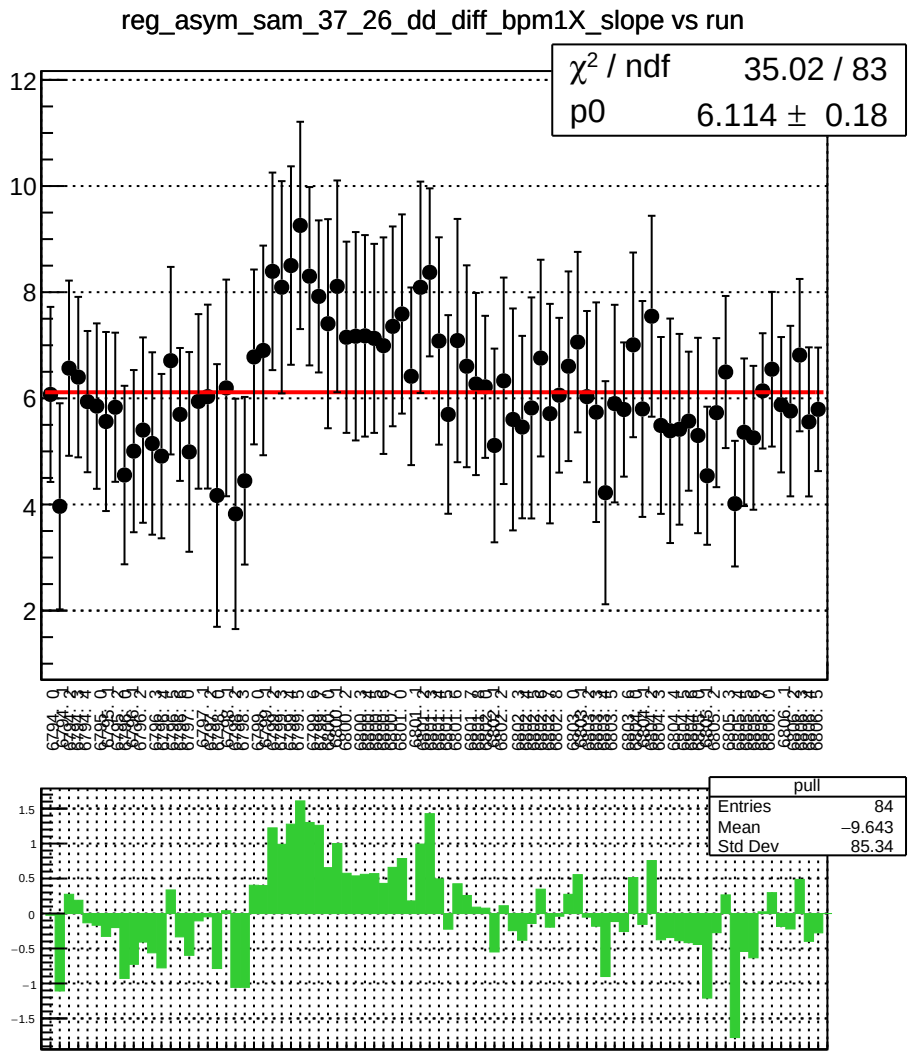

pull1D
Entries 84
Mean 0.05169
Std Dev 0.7629

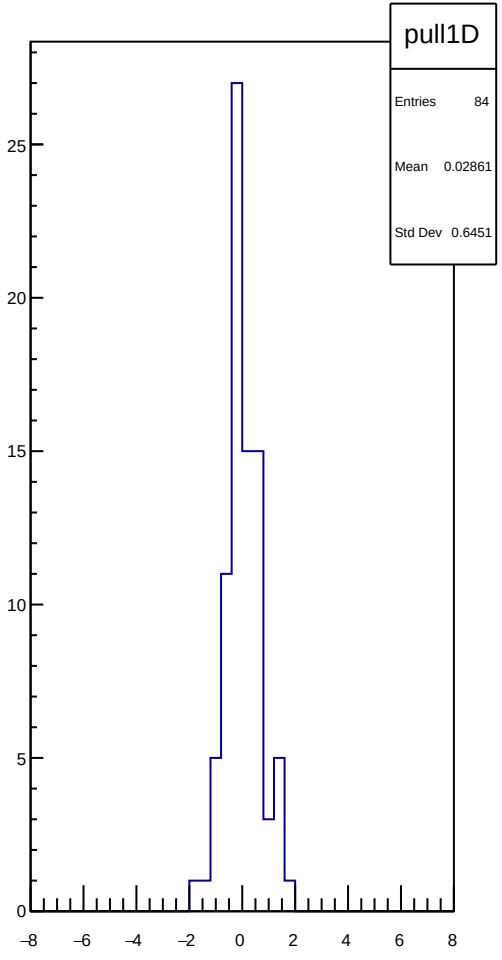

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 41.2 / 83
p0 −2.017 ± 0.2579
pull
Entries 84
Mean 643
Std Dev 603.8
pull1D
Entries 84
Mean 0.0133
Std Dev 0.7003

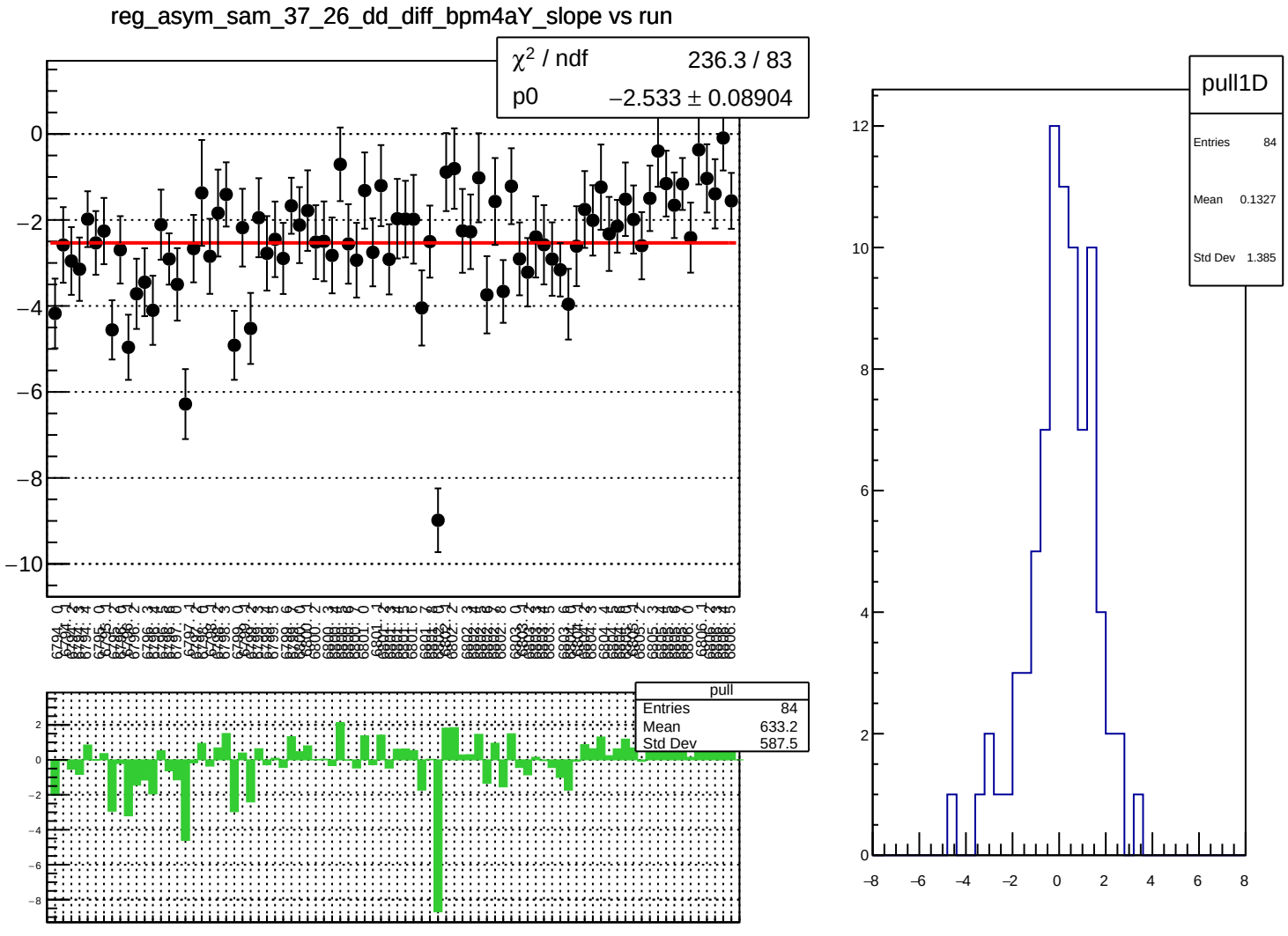

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 52.11 / 83
p0 21.99 ± 0.4936
pull
Entries 84
Mean −43.07
Std Dev 105
pull1D
Entries 84
Mean −0.04704
Std Dev 0.7862

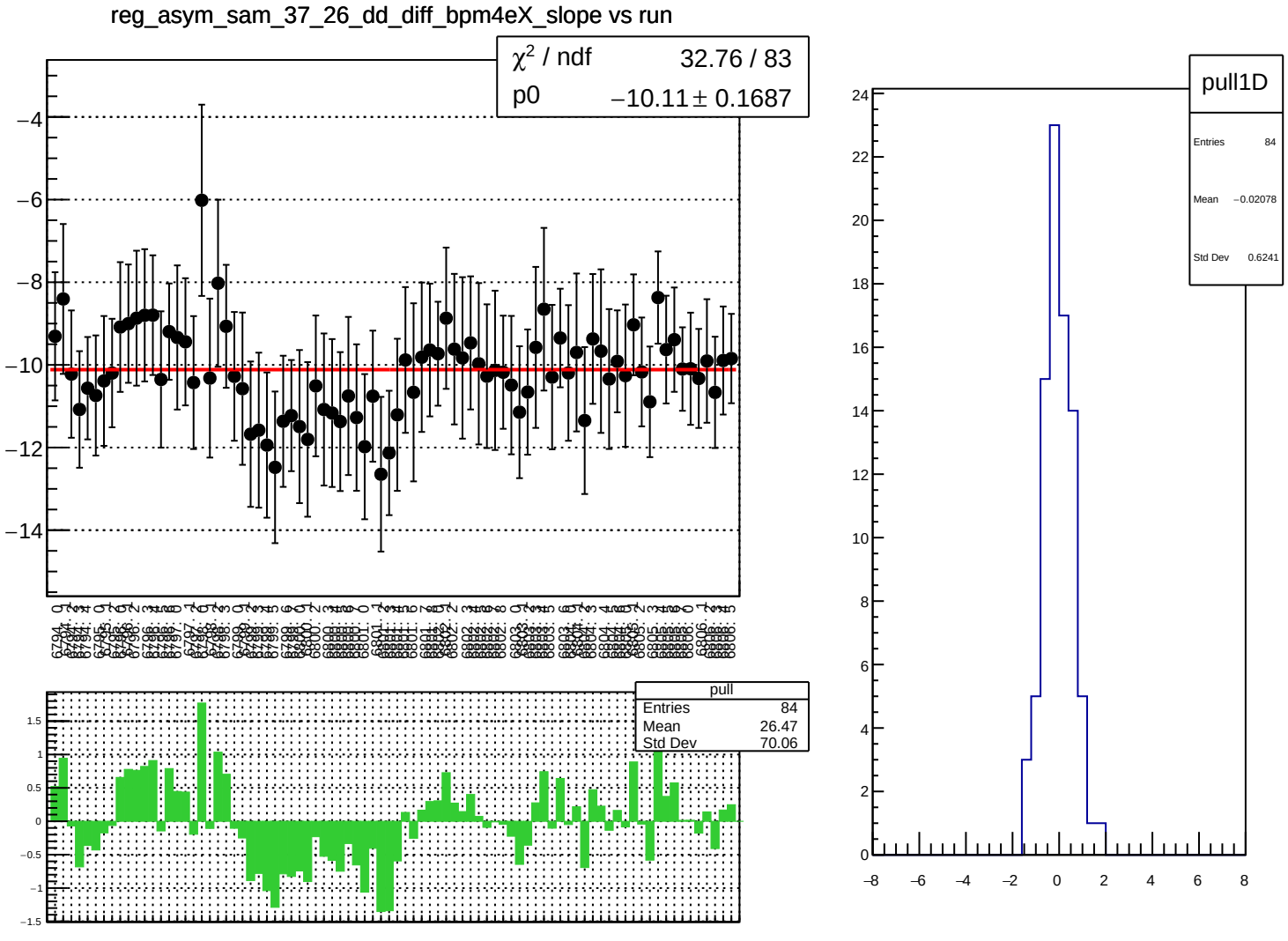

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 42.87 / 83
p0 42.05 ± 0.3592
pull
Entries 84
Mean 557.6
Std Dev 519
pull1D
Entries 84
Mean −0.01545
Std Dev 0.7142

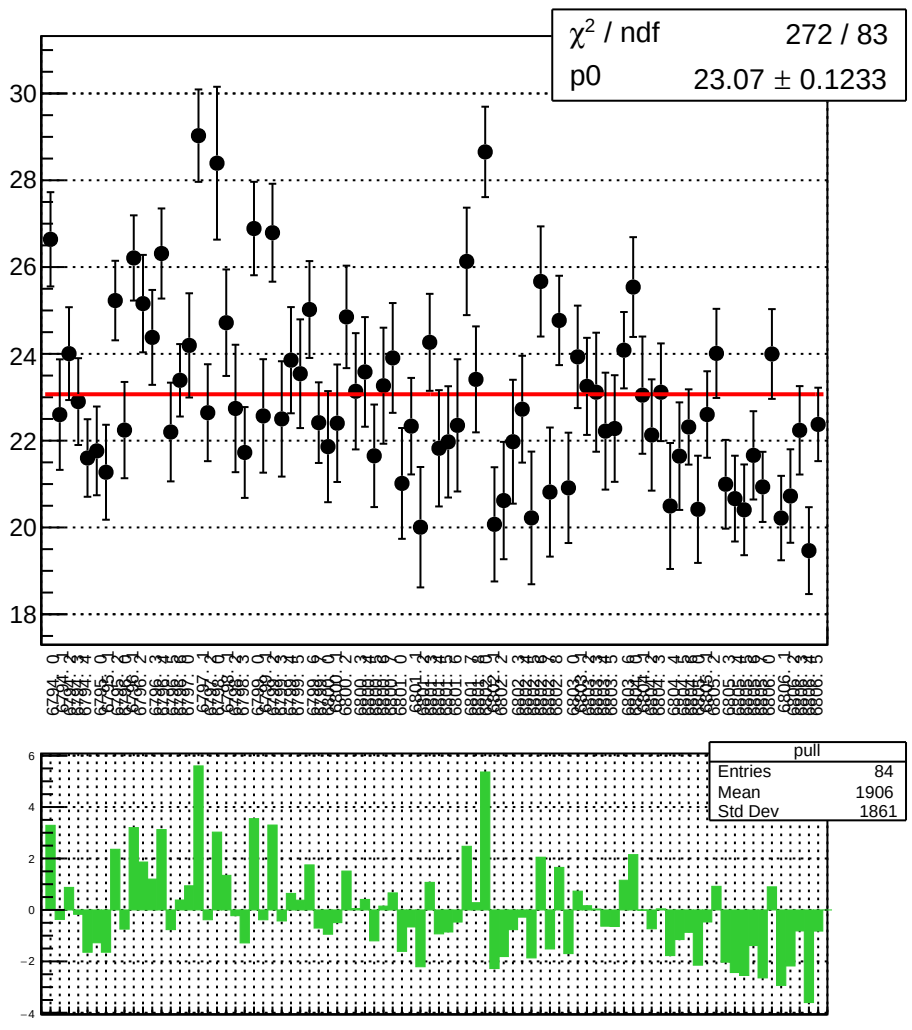

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 26 / 83
p0 −0.1873 ± 0.02113
pull
Entries 84
Mean −5885
Std Dev 5987
pull1D
Entries 84
Mean 0.0003107
Std Dev 0.5564

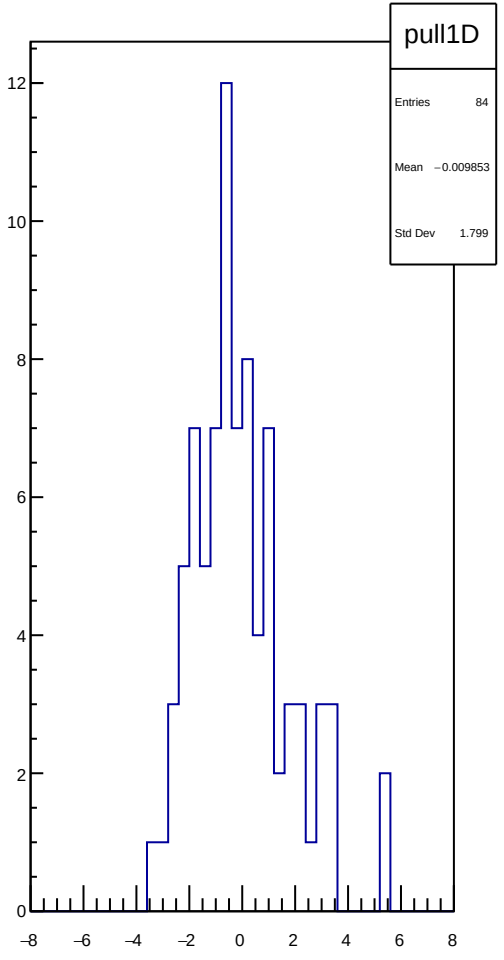

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 35.02 / 83
p0 6.114 ± 0.18
pull
Entries 84
Mean −9.643
Std Dev 85.34

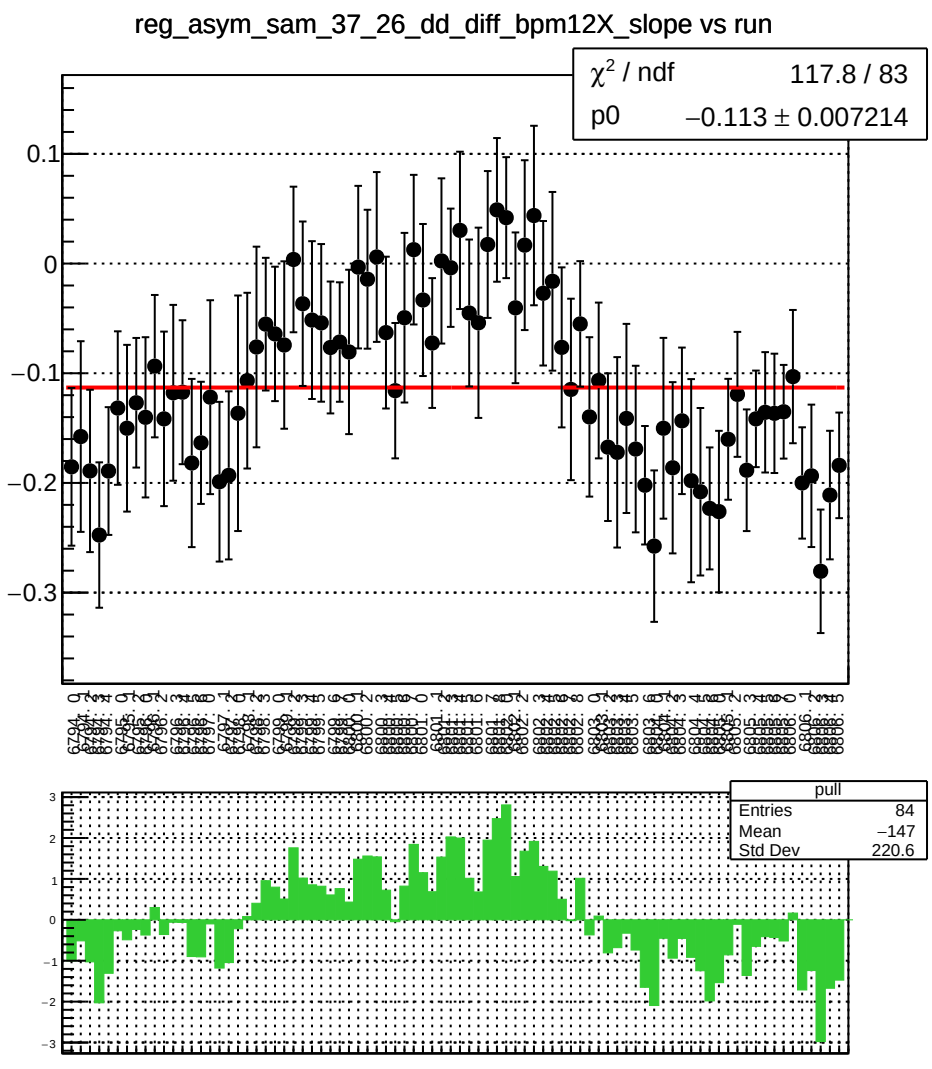

pull1D
Entries 84
Mean 0.02861
Std Dev 0.6451

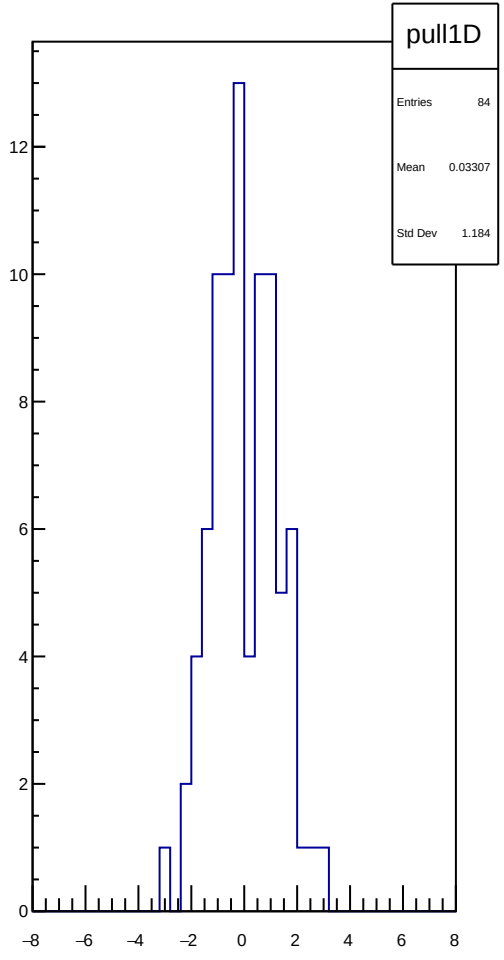

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 236.3 / 83
p0 −2.533 ± 0.08904
pull
Entries 84
Mean 633.2
Std Dev 587.5
pull1D
Entries 84
Mean 0.1327
Std Dev 1.385

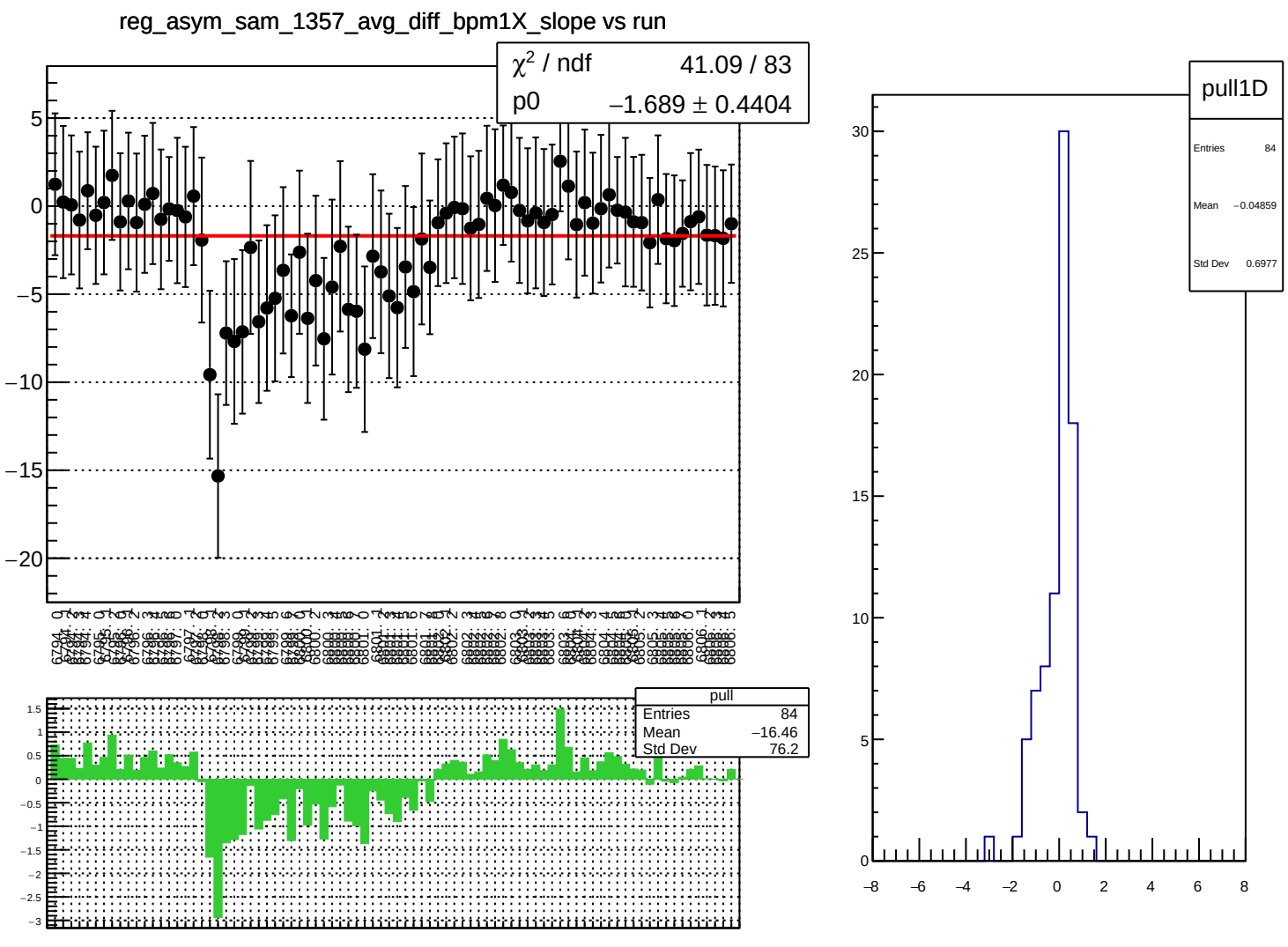

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 32.76 / 83
p0 −10.11 ± 0.1687
pull
Entries 84
Mean 26.47
Std Dev 70.06
pull1D
Entries 84
Mean −0.02078
Std Dev 0.6241

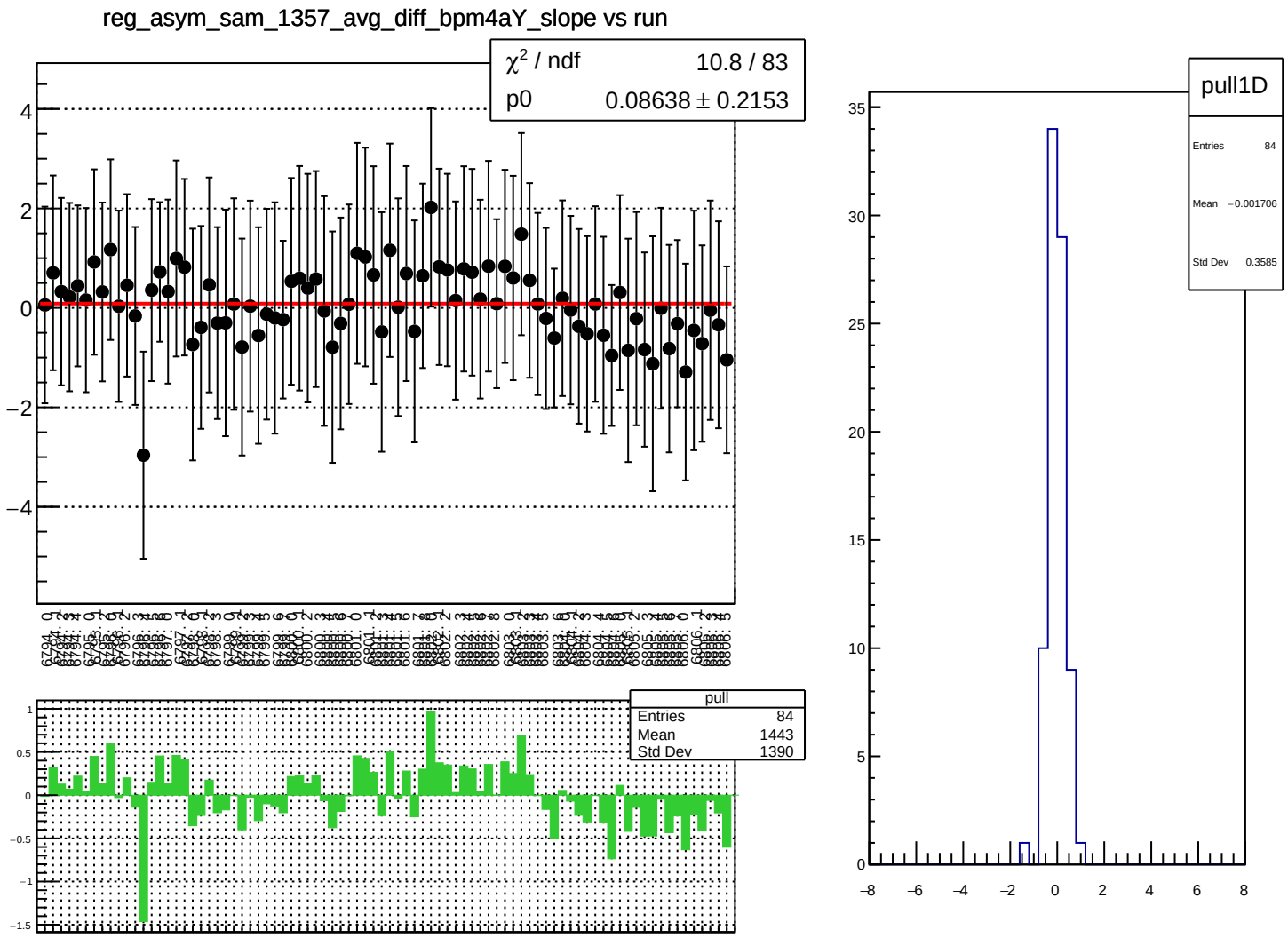

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 272 / 83
p0 23.07 ± 0.1233
pull
Entries 84
Mean 1906
Std Dev 1861

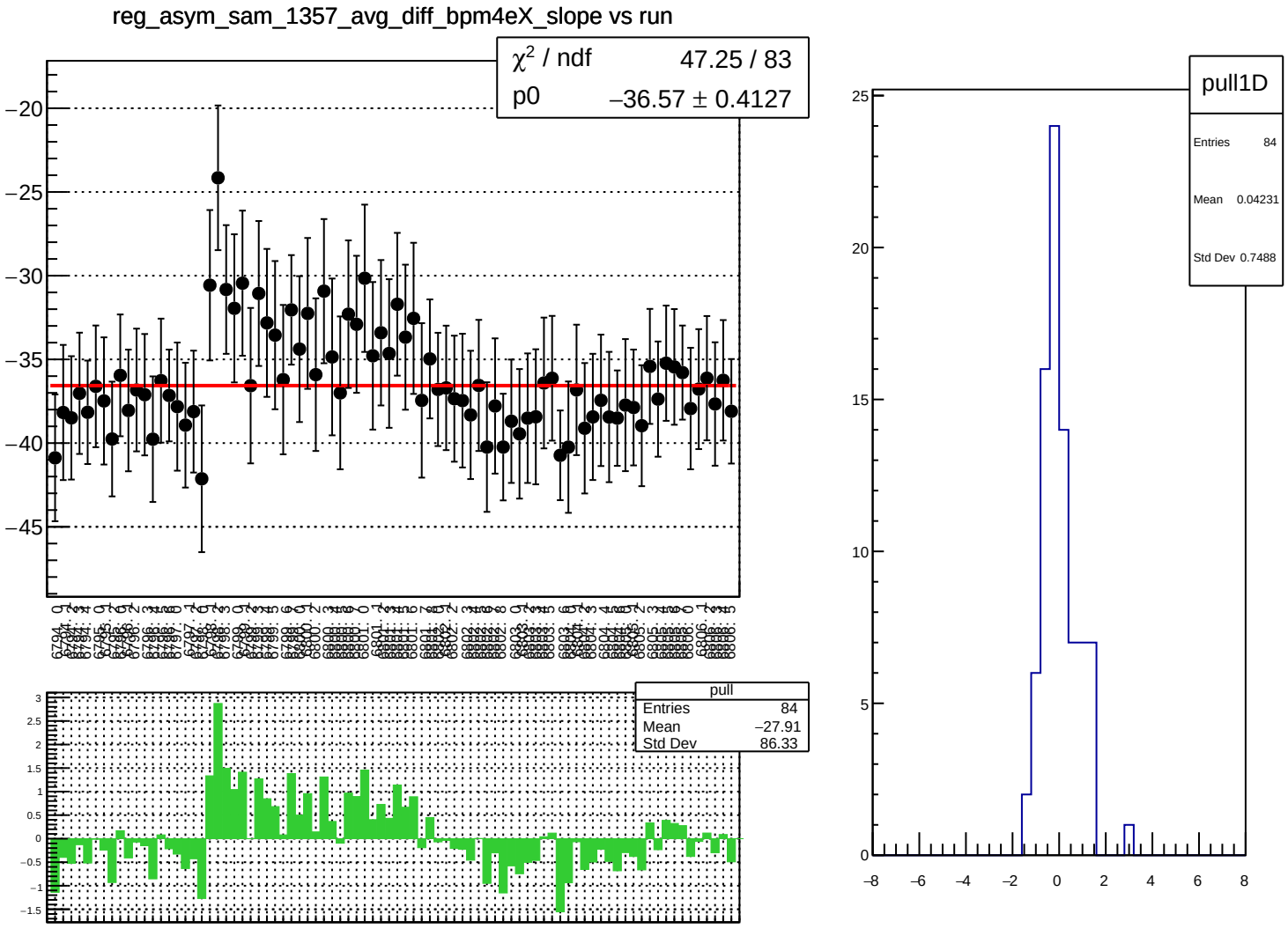

pull1D
Entries 84
Mean −0.009853
Std Dev 1.799

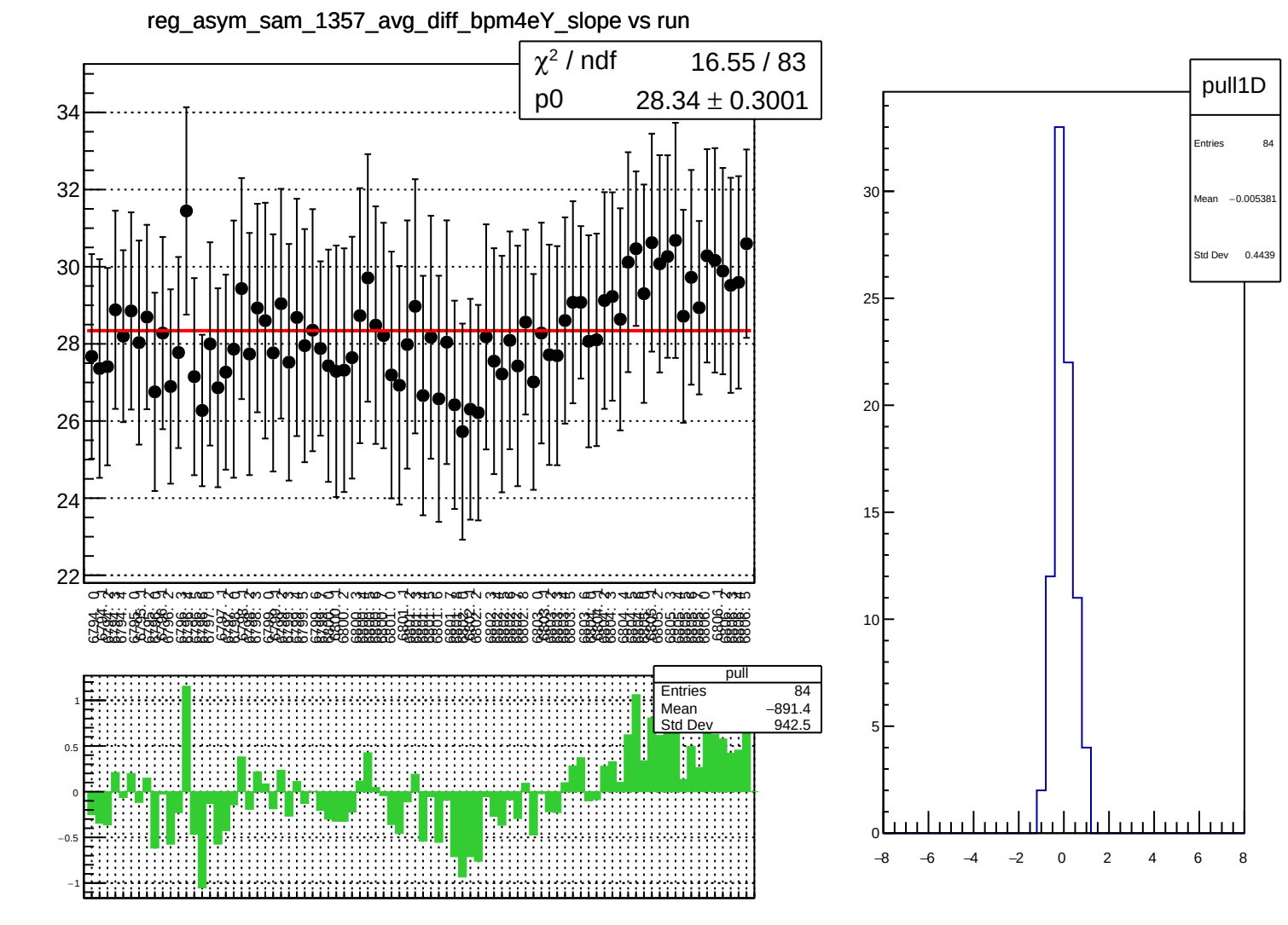

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 117.8 / 83
p0 −0.113 ± 0.007214
0.1
0
−0.1
−0.2
−0.3
pull
Entries 84
Mean −147
Std Dev 220.6
3
2
1
0
−1
−2
−3

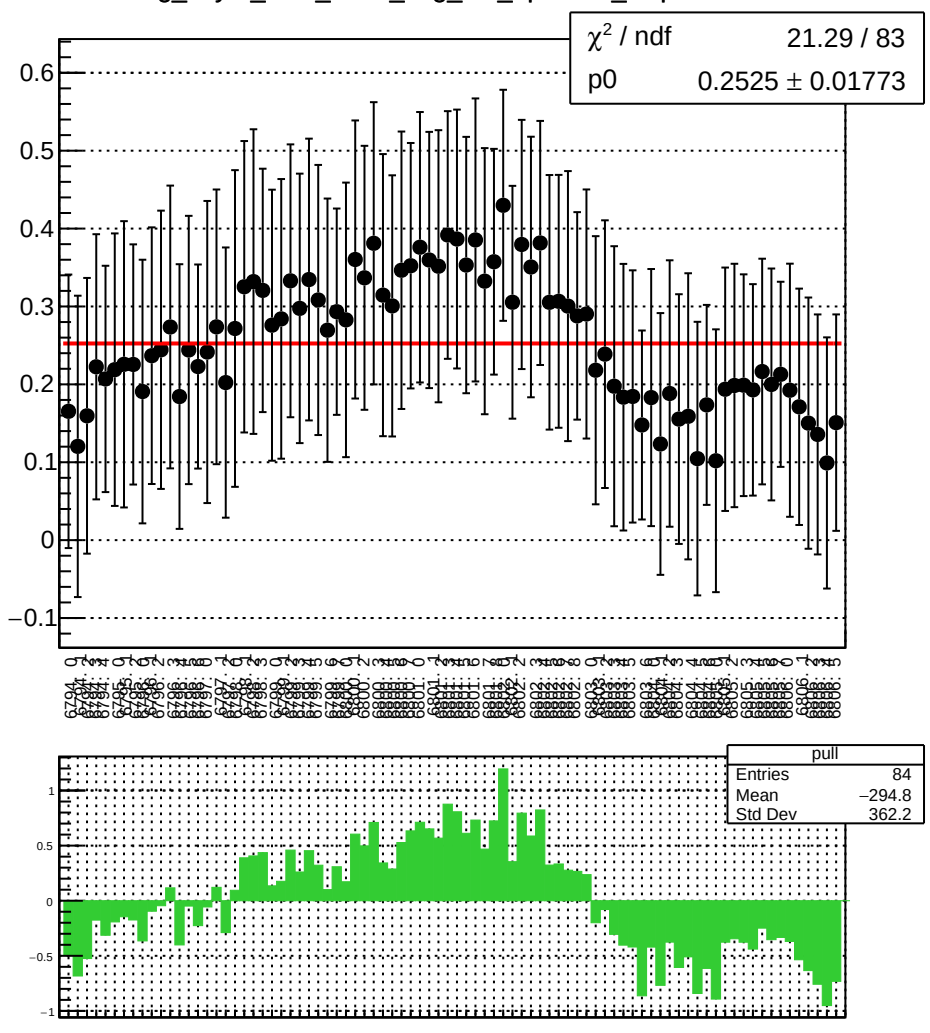

pull1D
Entries 84
Mean 0.03307
Std Dev 1.184
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

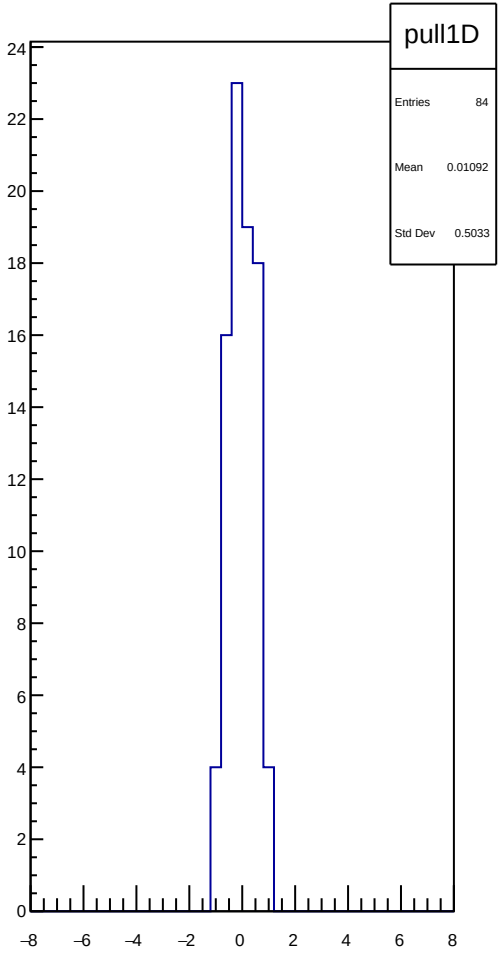

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 41.09 / 83
p0 −1.689 ± 0.4404
pull
Entries 84
Mean −16.46
Std Dev 76.2
pull1D
Entries 84
Mean −0.04859
Std Dev 0.6977

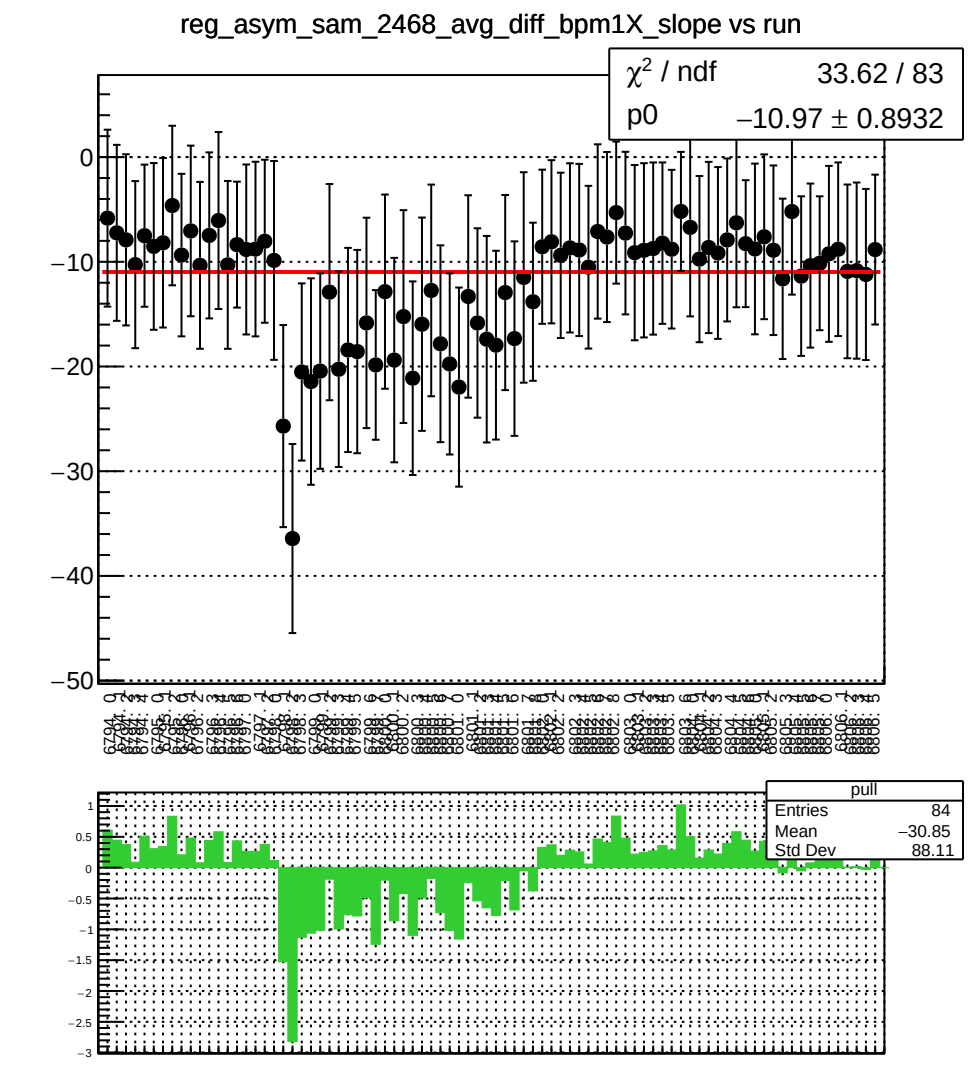

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.8 / 83
p0 0.08638 ± 0.2153
pull
Entries 84
Mean 1443
Std Dev 1390
pull1D
Entries 84
Mean −0.001706
Std Dev 0.3585

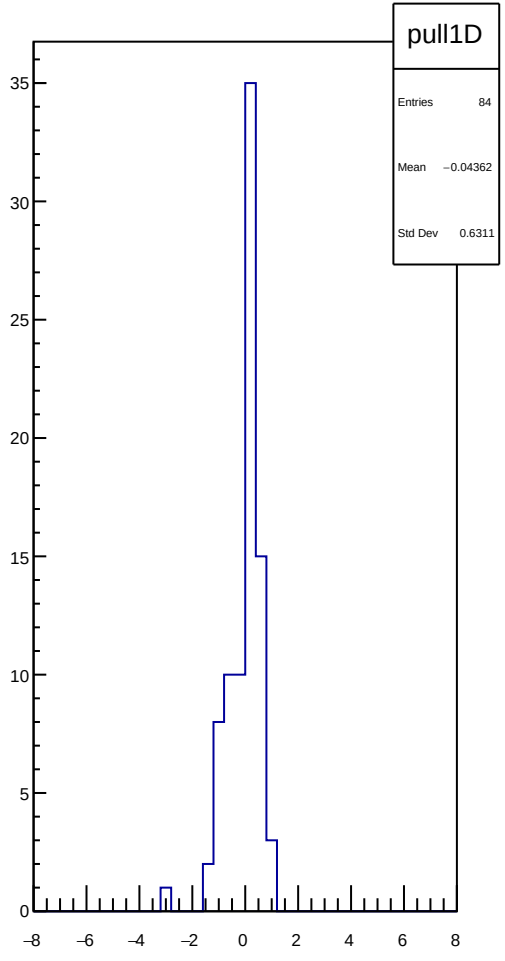

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 47.25 / 83
p0 −36.57 ± 0.4127
pull
Entries 84
Mean −27.91
Std Dev 86.33
pull1D
Entries 84
Mean 0.04231
Std Dev 0.7488

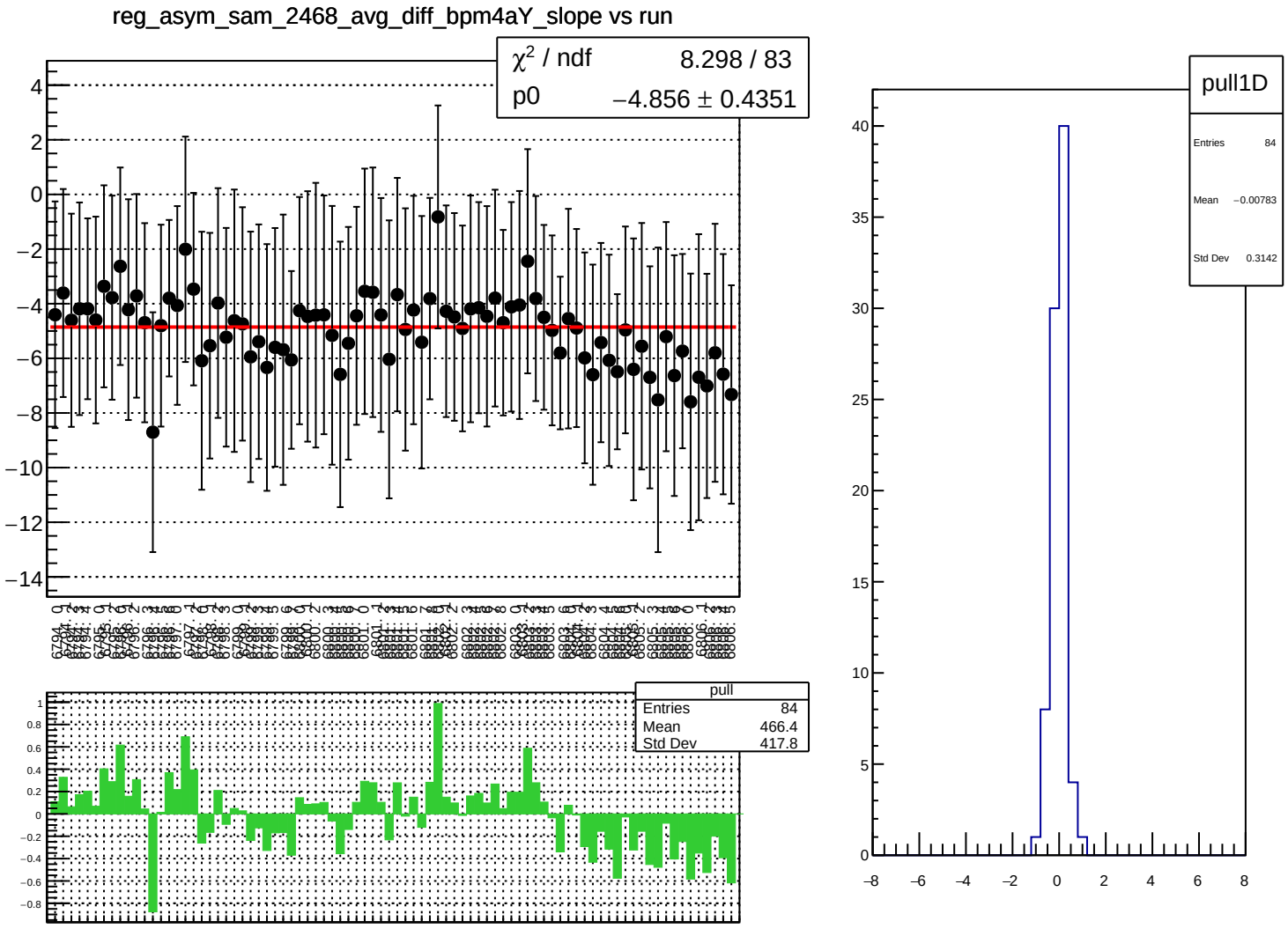

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 16.55 / 83
p0 28.34 ± 0.3001
pull
Entries 84
Mean −891.4
Std Dev 942.5
pull1D
Entries 84
Mean −0.005381
Std Dev 0.4439

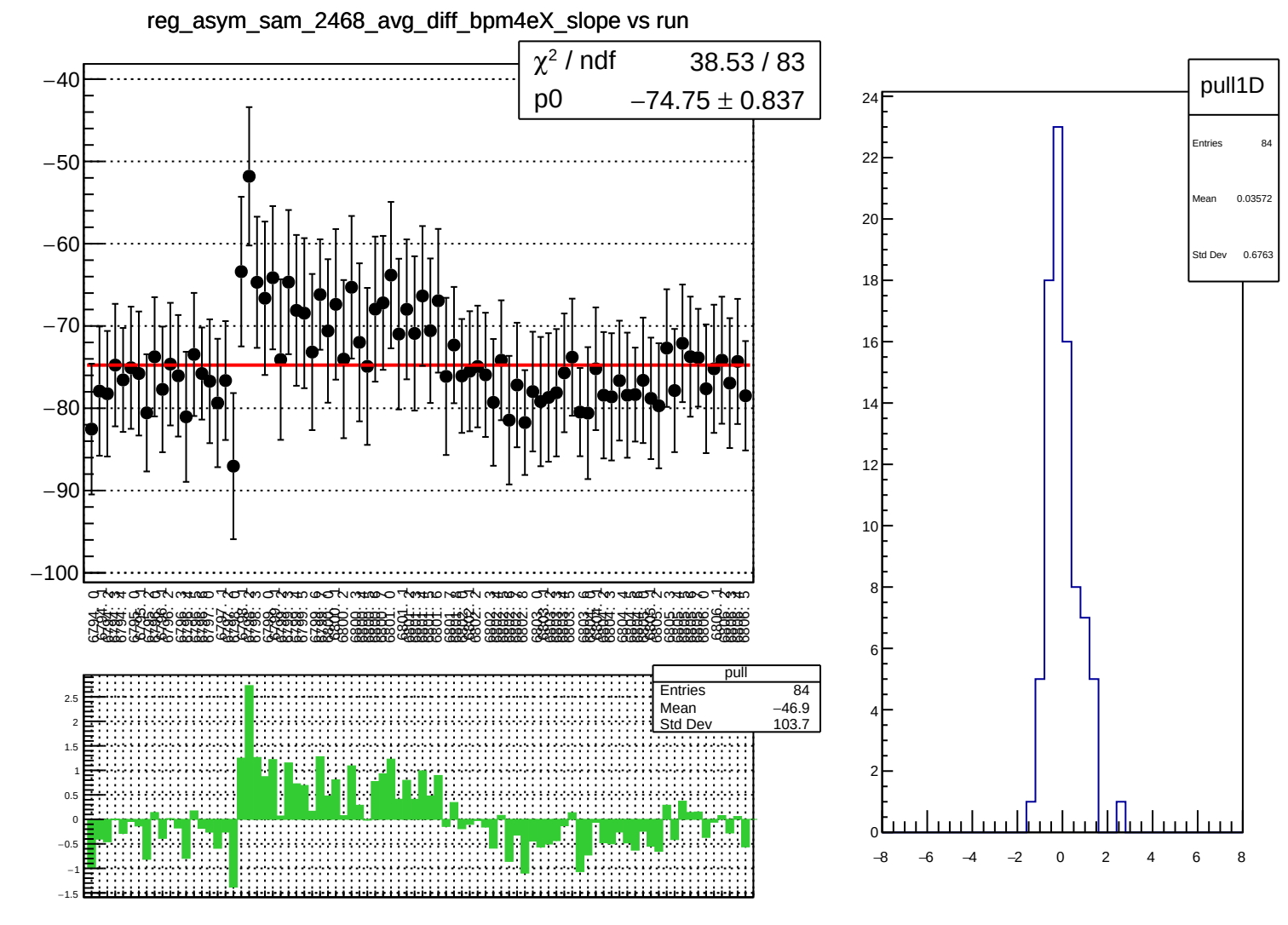

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 21.29 / 83
p0 0.2525 ± 0.01773
pull
Entries 84
Mean −294.8
Std Dev 362.2

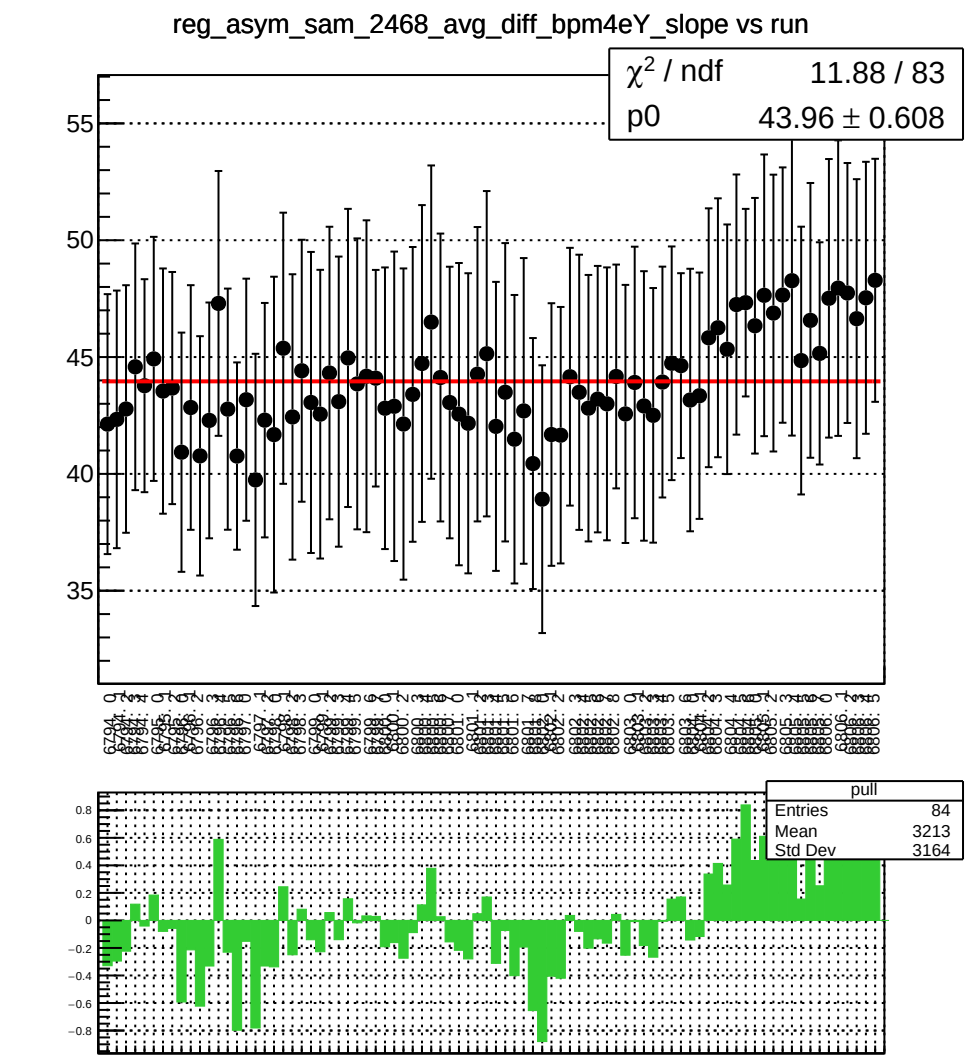

pull1D
Entries 84
Mean 0.01092
Std Dev 0.5033

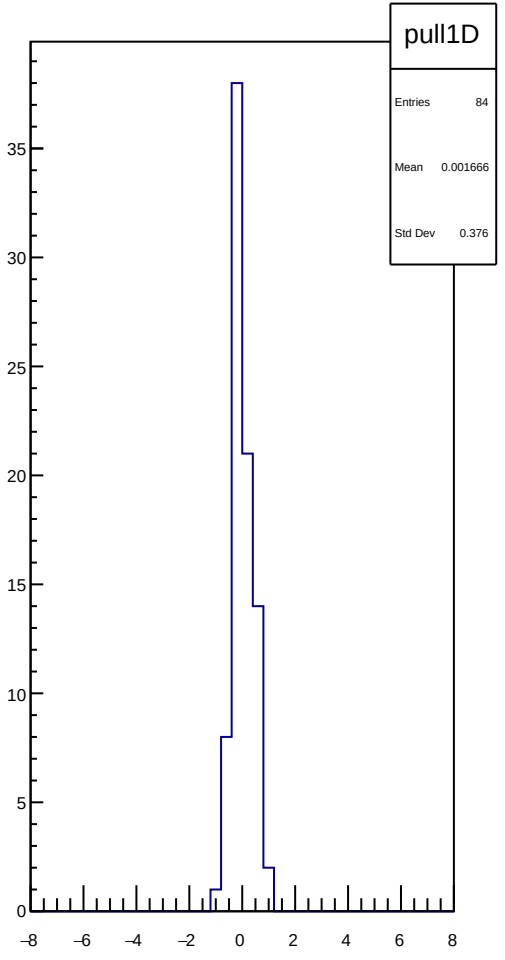

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 33.62 / 83
p0 −10.97 ± 0.8932
pull
Entries 84
Mean −30.85
Std Dev 88.11

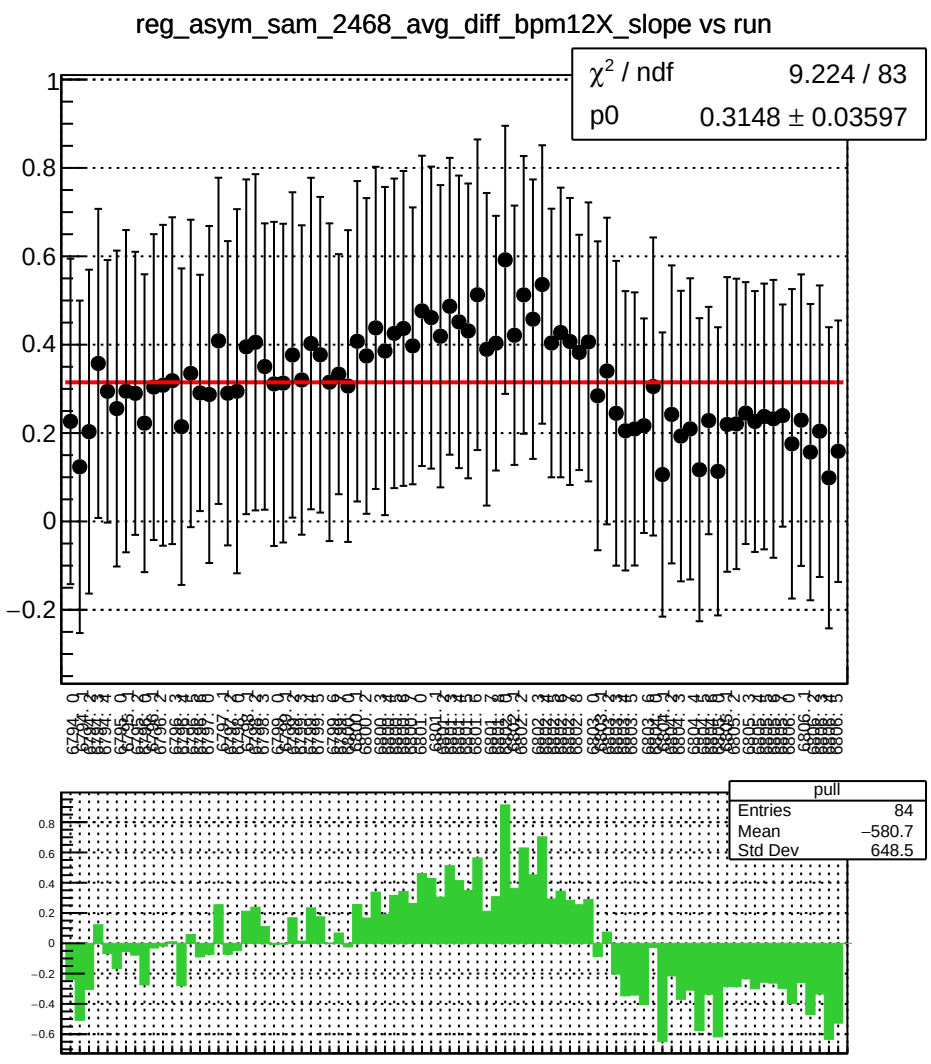

pull1D
Entries 84
Mean −0.04362
Std Dev 0.6311

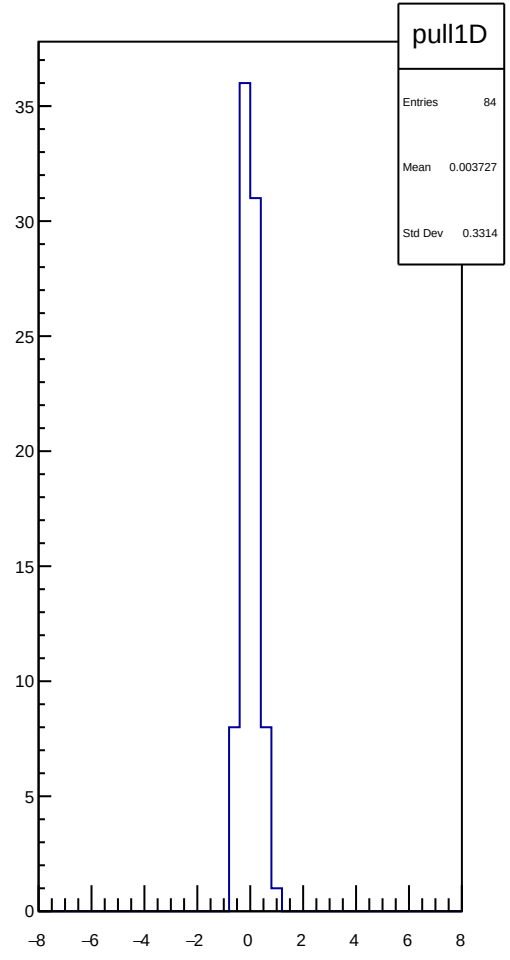

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.298 / 83
p0 −4.856 ± 0.4351
pull
Entries 84
Mean 466.4
Std Dev 417.8
pull1D
Entries 84
Mean −0.00783
Std Dev 0.3142

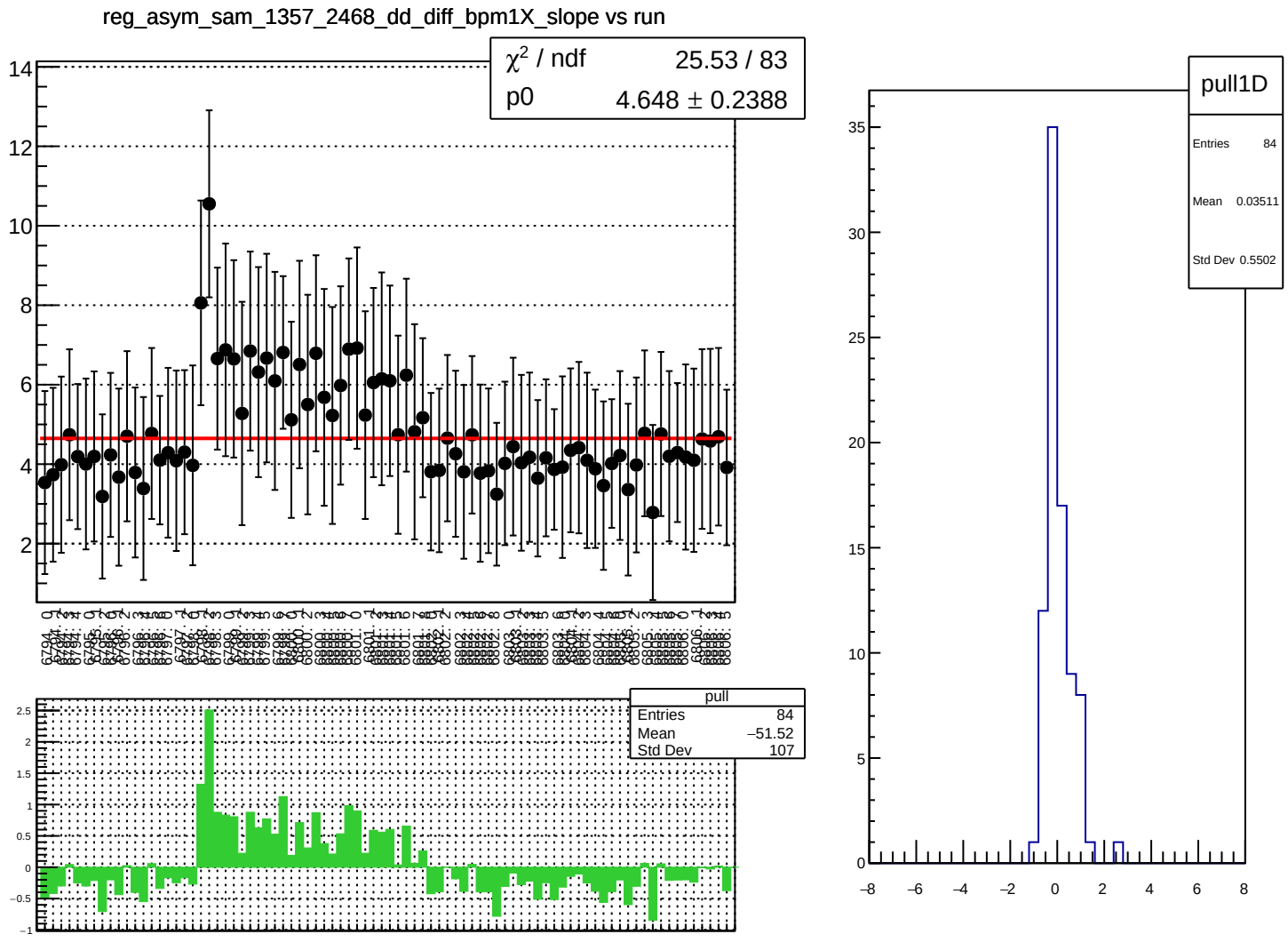

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 38.53 / 83
p0 −74.75 ± 0.837
pull
Entries 84
Mean −46.9
Std Dev 103.7
pull1D
Entries 84
Mean 0.03572
Std Dev 0.6763

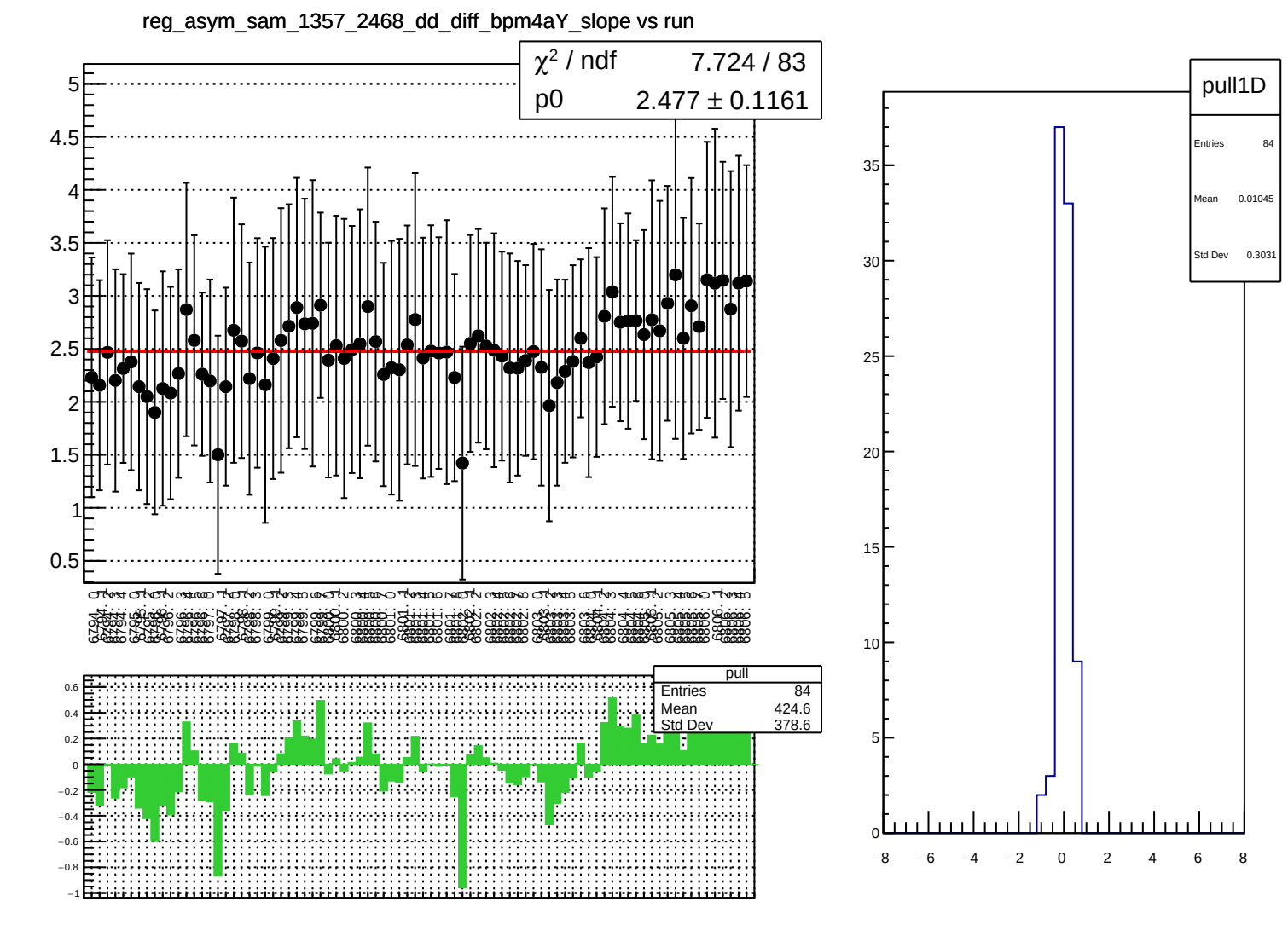

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.88 / 83
p0 43.96 ± 0.608
pull
Entries 84
Mean 3213
Std Dev 3164

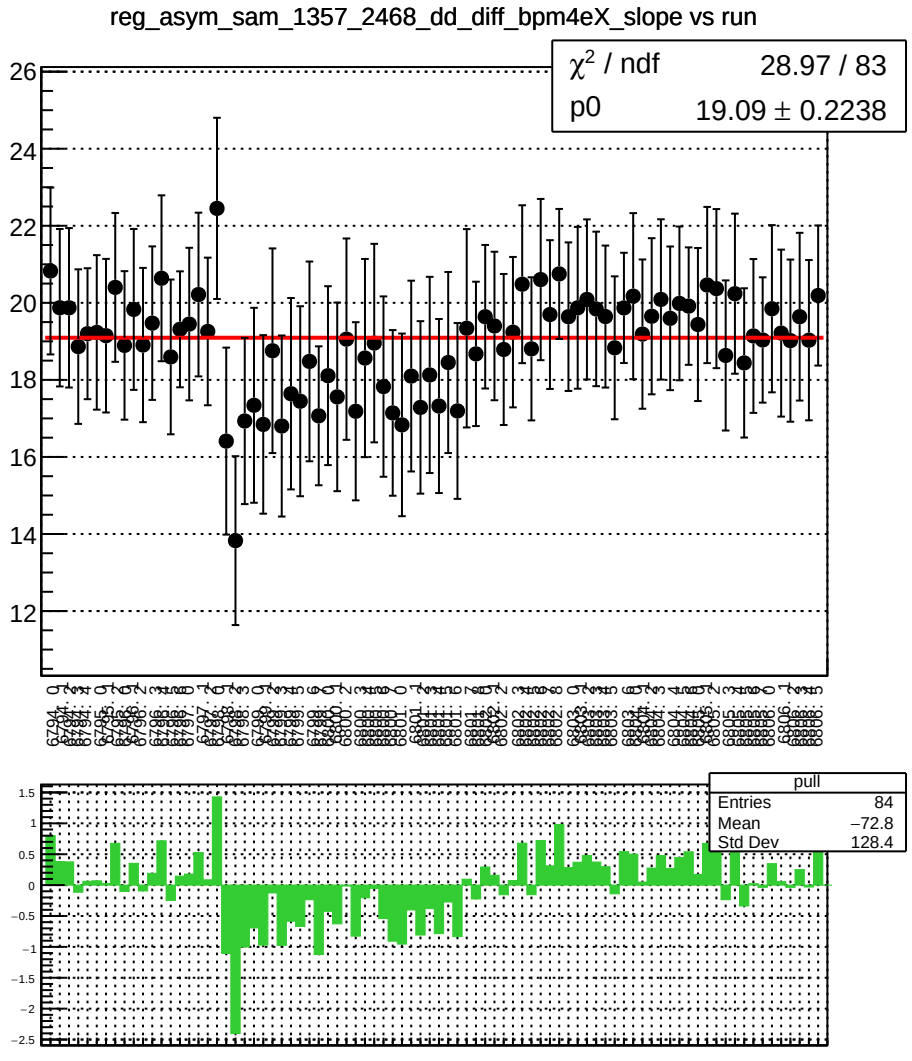

pull1D
Entries 84
Mean 0.001666
Std Dev 0.376

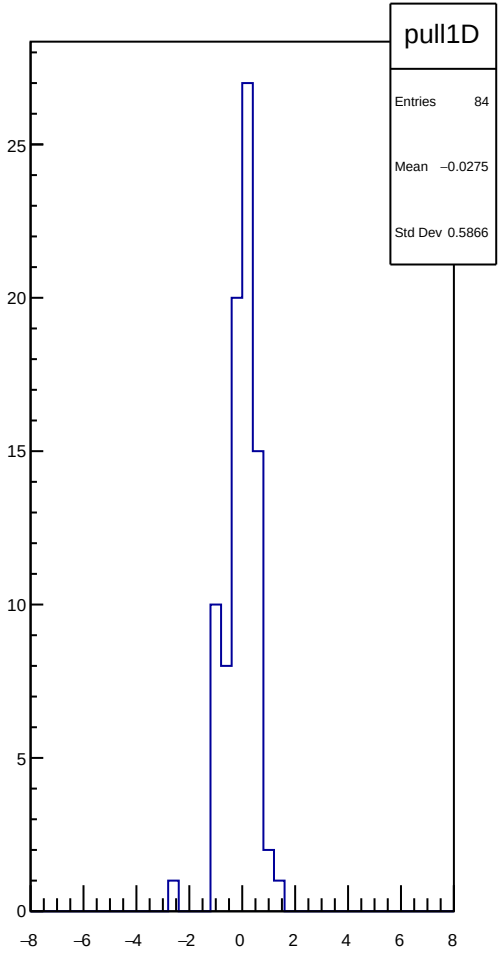

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 9.224 / 83
p0 0.3148 ± 0.03597
pull
Entries 84
Mean −580.7
Std Dev 648.5

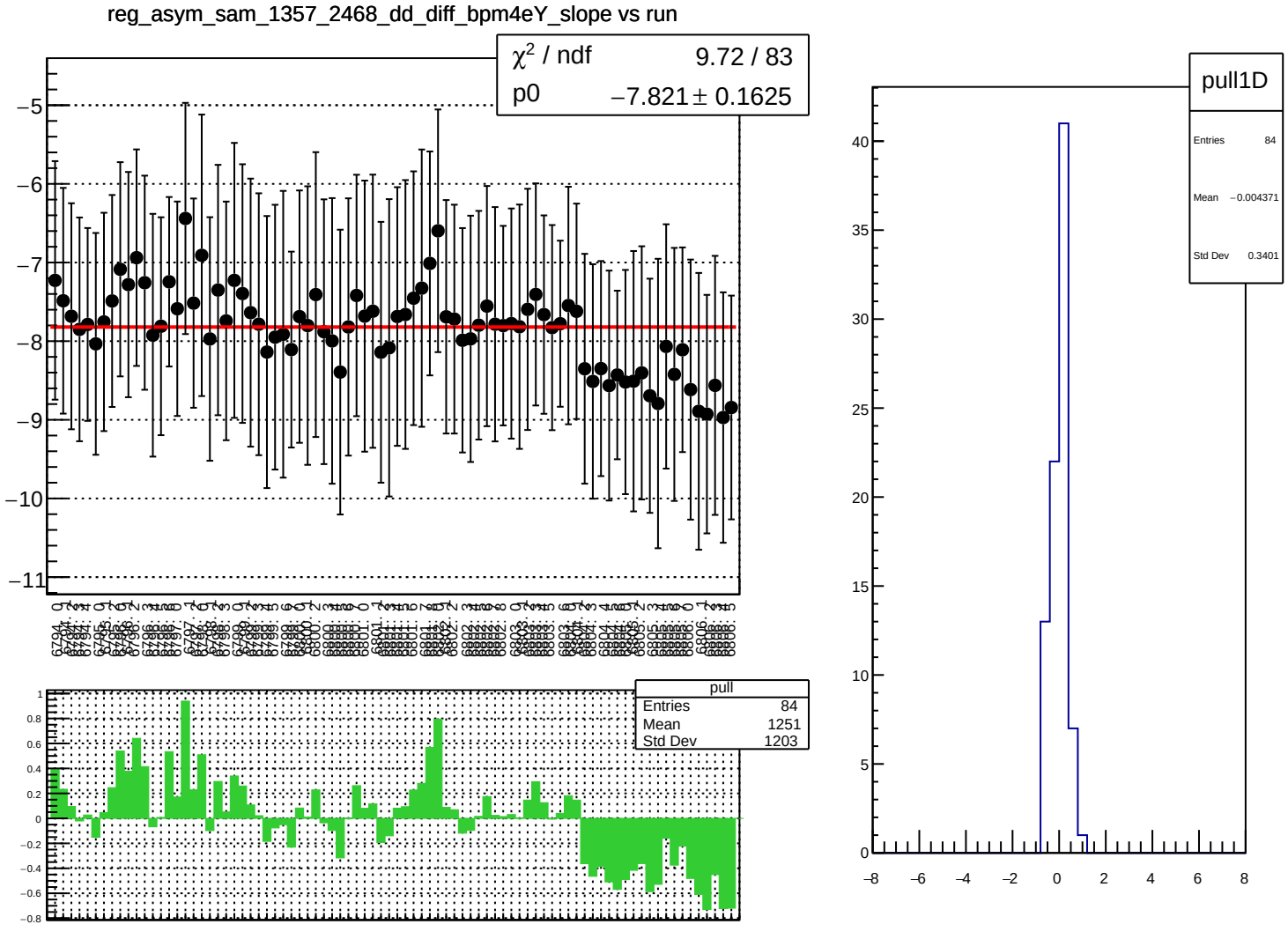

pull1D
Entries 84
Mean 0.003727
Std Dev 0.3314

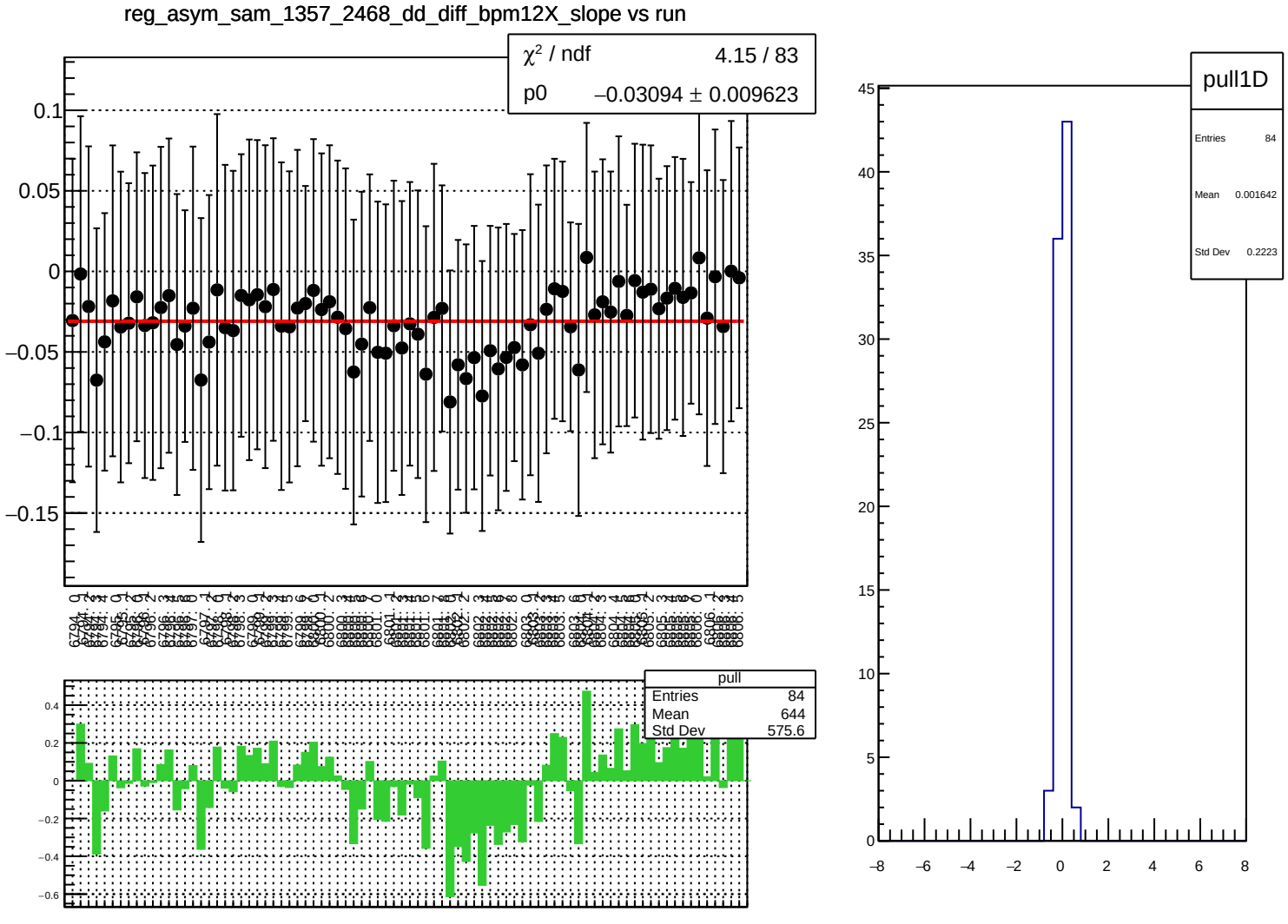

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 25.53 / 83
p0 4.648 ± 0.2388
pull
Entries 84
Mean −51.52
Std Dev 107
pull1D
Entries 84
Mean 0.03511
Std Dev 0.5502

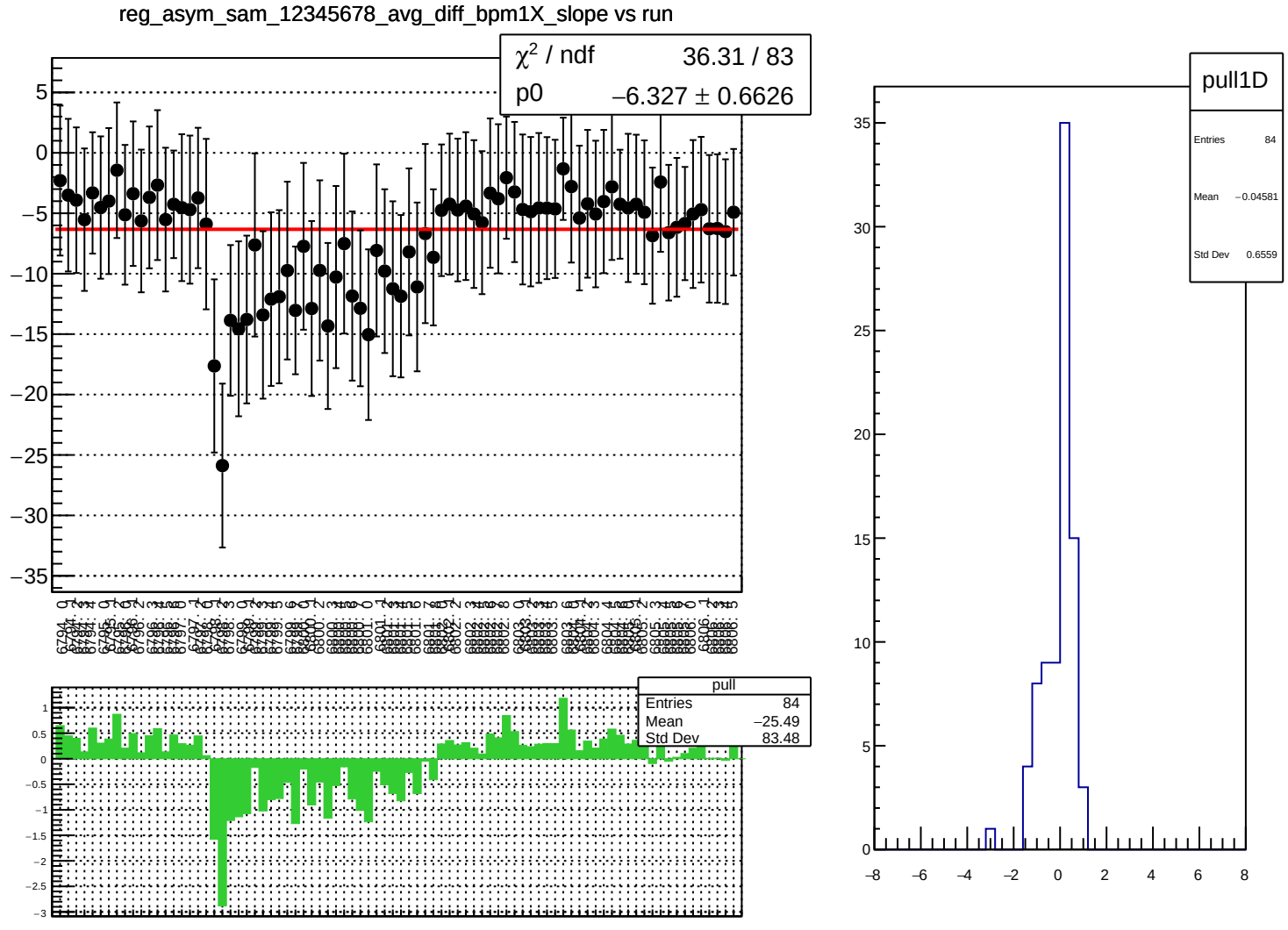

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.724 / 83
p0 2.477 ± 0.1161
pull
Entries 84
Mean 424.6
Std Dev 378.6
pull1D
Entries 84
Mean 0.01045
Std Dev 0.3031

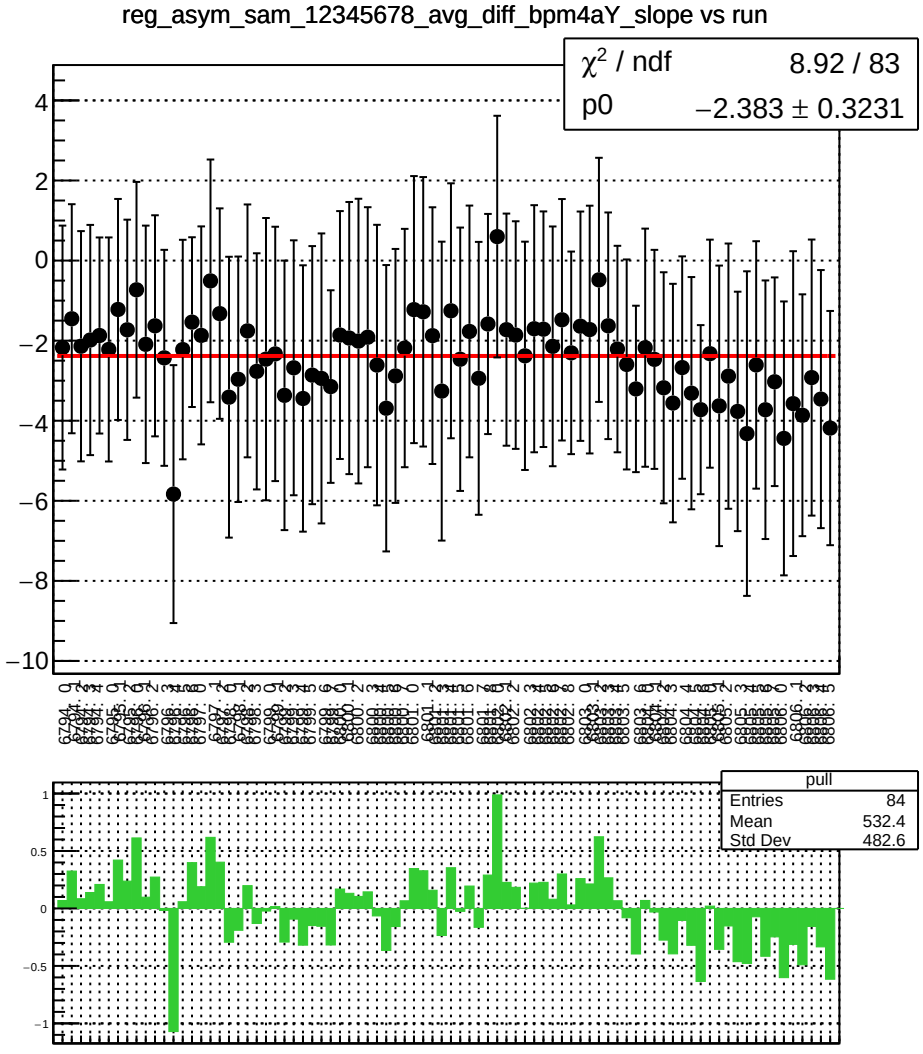

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 28.97 / 83
p0 19.09 ± 0.2238
pull
Entries 84
Mean −72.8
Std Dev 128.4

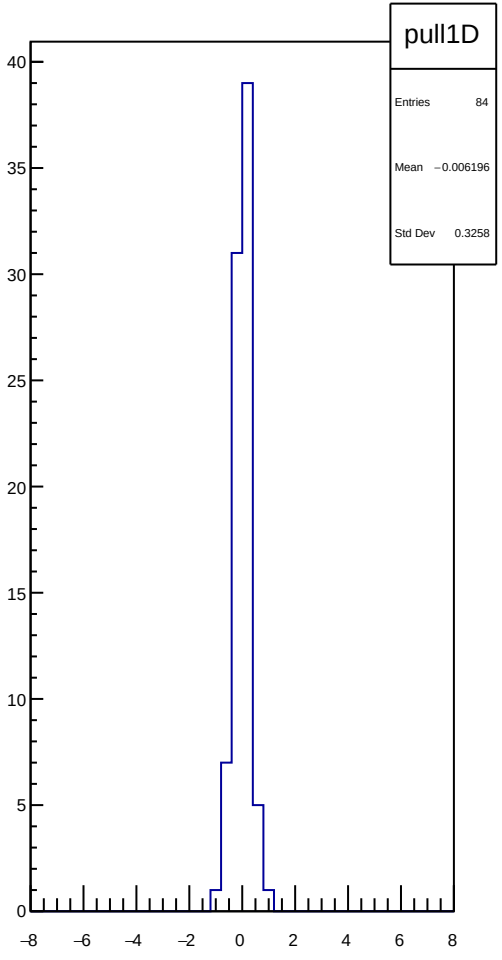

pull1D
Entries 84
Mean −0.0275
Std Dev 0.5866

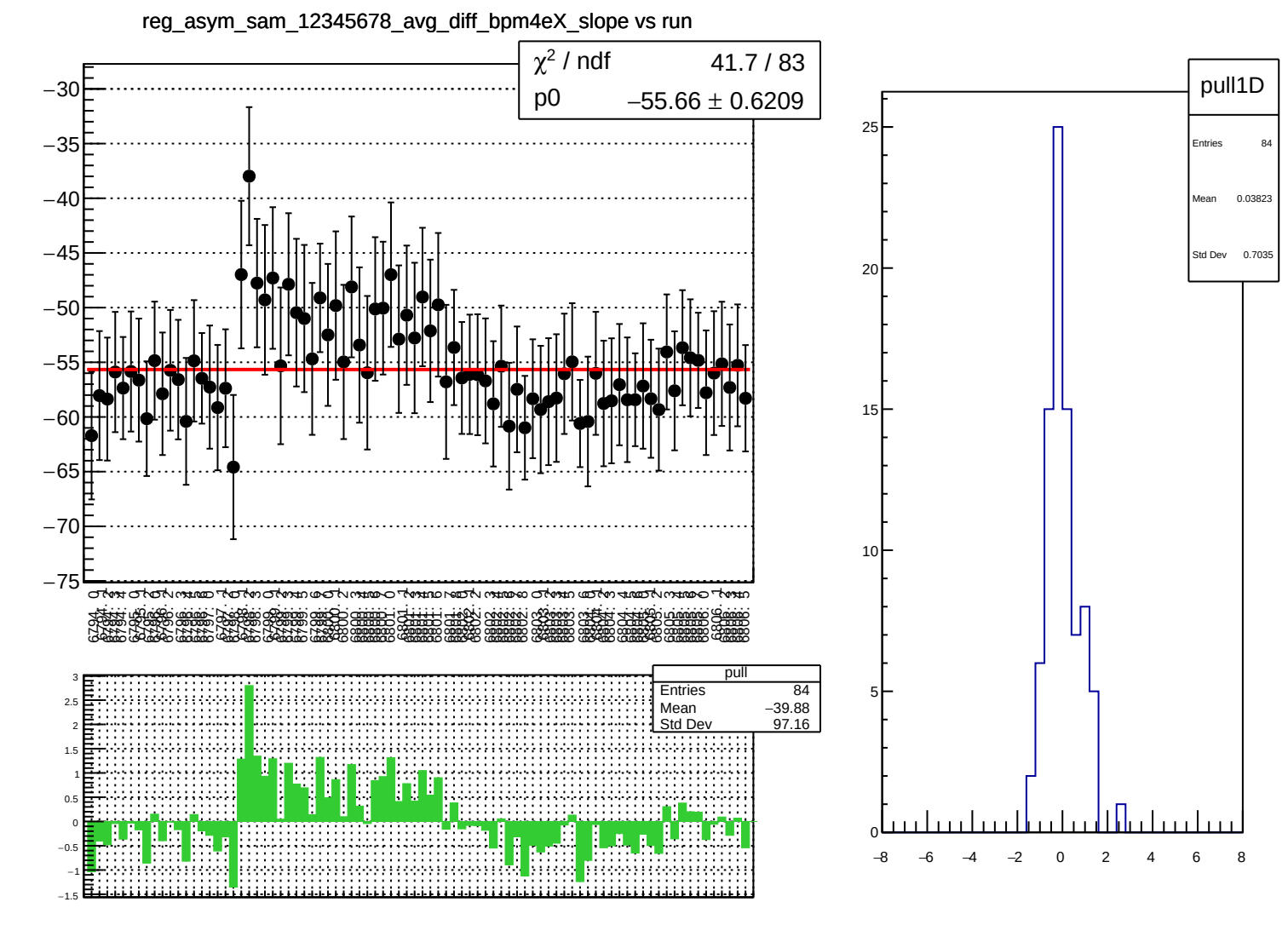

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.72 / 83
p0 −7.821 ± 0.1625
pull
Entries 84
Mean 1251
Std Dev 1203
pull1D
Entries 84
Mean −0.004371
Std Dev 0.3401

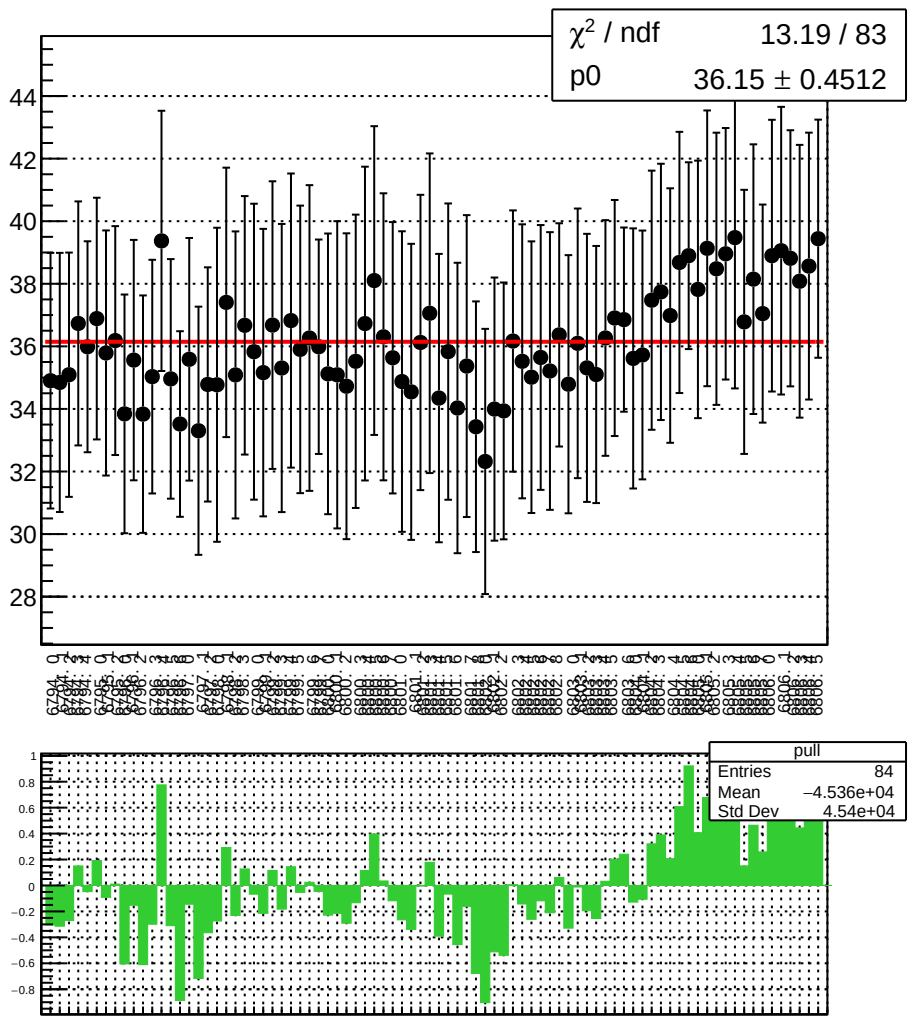

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 4.15 / 83
p0 −0.03094 ± 0.009623
pull
Entries 84
Mean 644
Std Dev 575.6
pull1D
Entries 84
Mean 0.001642
Std Dev 0.2223

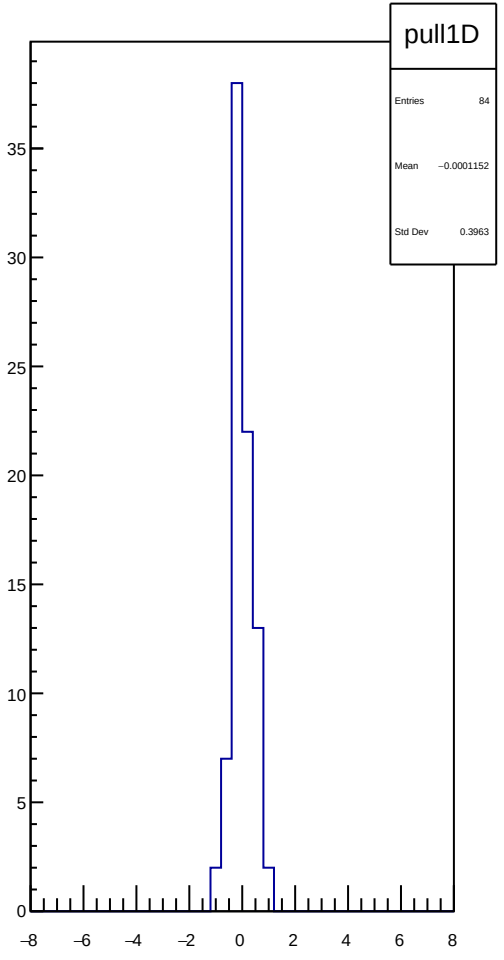

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 36.31 / 83
p0 −6.327 ± 0.6626
pull
Entries 84
Mean −25.49
Std Dev 83.48
pull1D
Entries 84
Mean −0.04581
Std Dev 0.6559

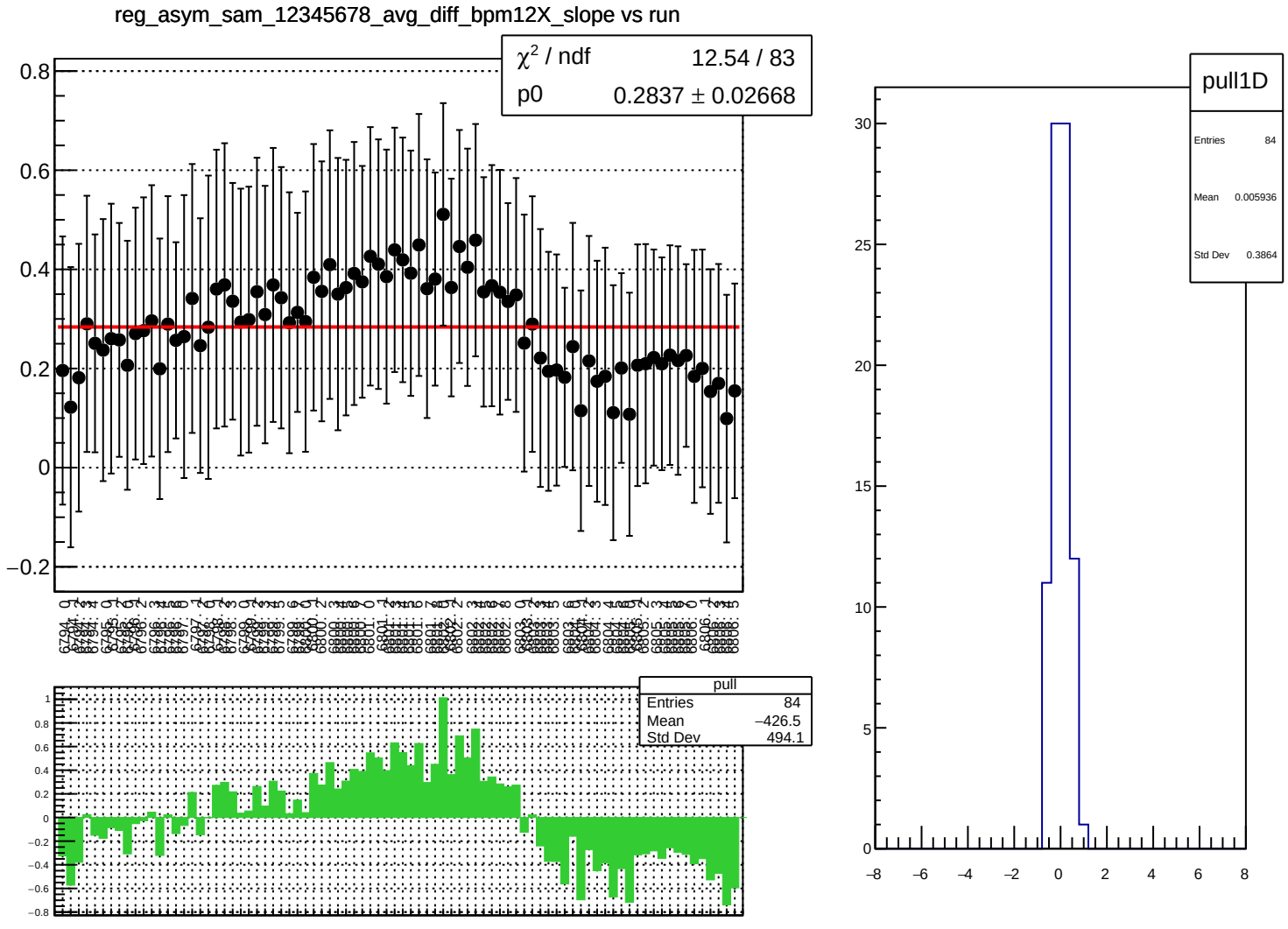

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.92 / 83
p0 −2.383 ± 0.3231
pull
Entries 84
Mean 532.4
Std Dev 482.6

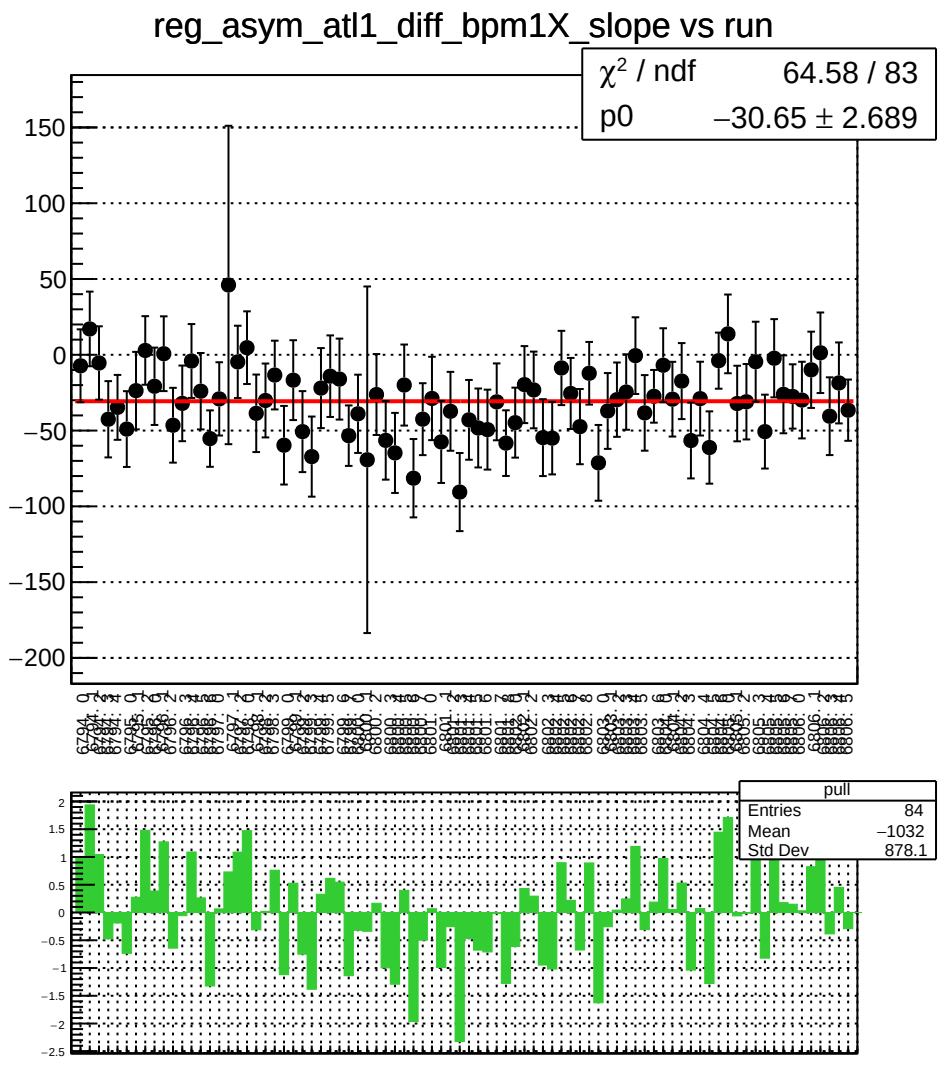

pull1D
Entries 84
Mean −0.006196
Std Dev 0.3258

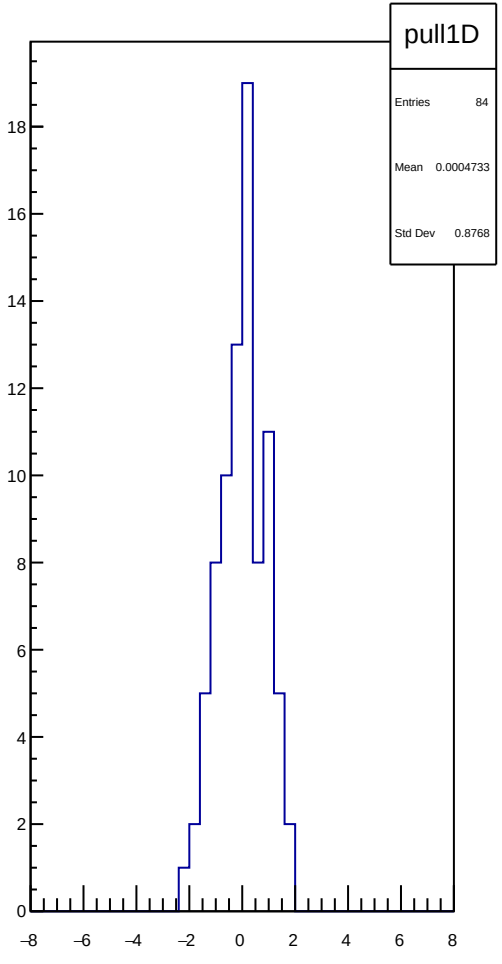

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 41.7 / 83
p0 −55.66 ± 0.6209
pull
Entries 84
Mean −39.88
Std Dev 97.16
pull1D
Entries 84
Mean 0.03823
Std Dev 0.7035

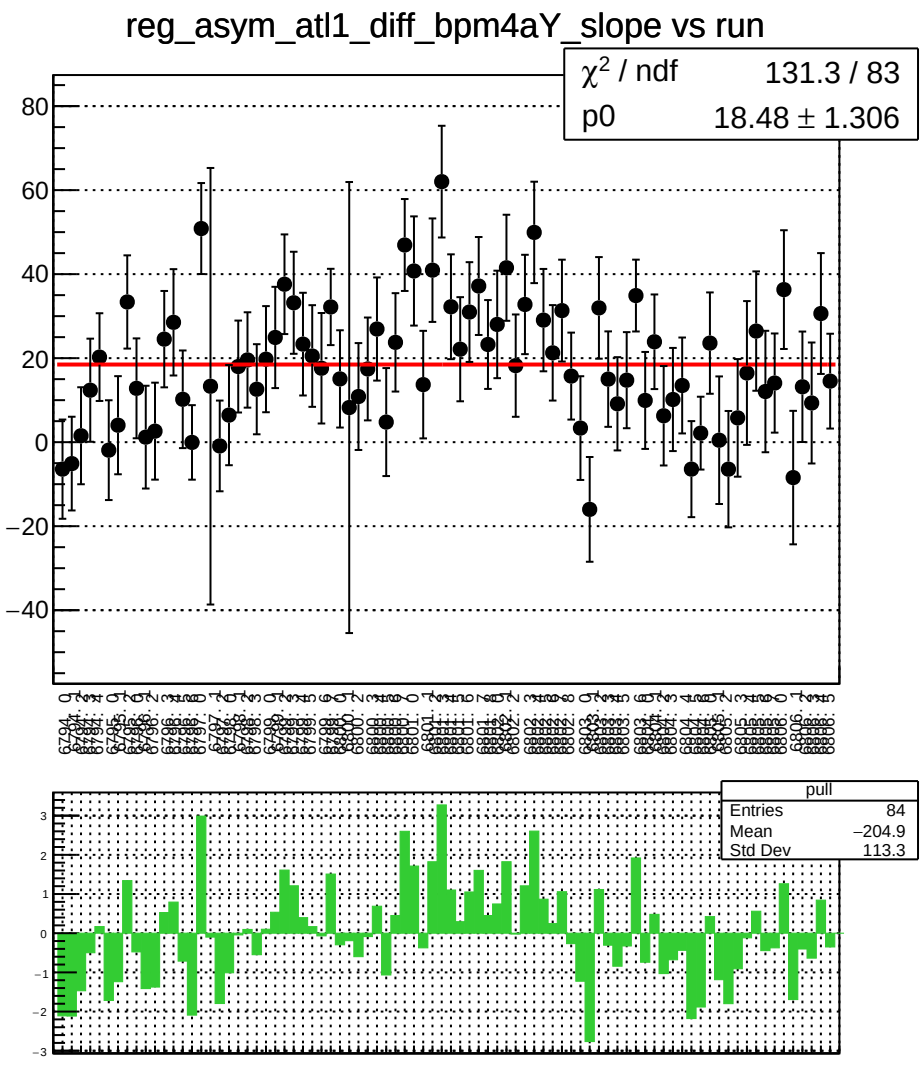

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.19 / 83
p0 36.15 ± 0.4512
pull
Entries 84
Mean −4.536e+04
Std Dev 4.54e+04

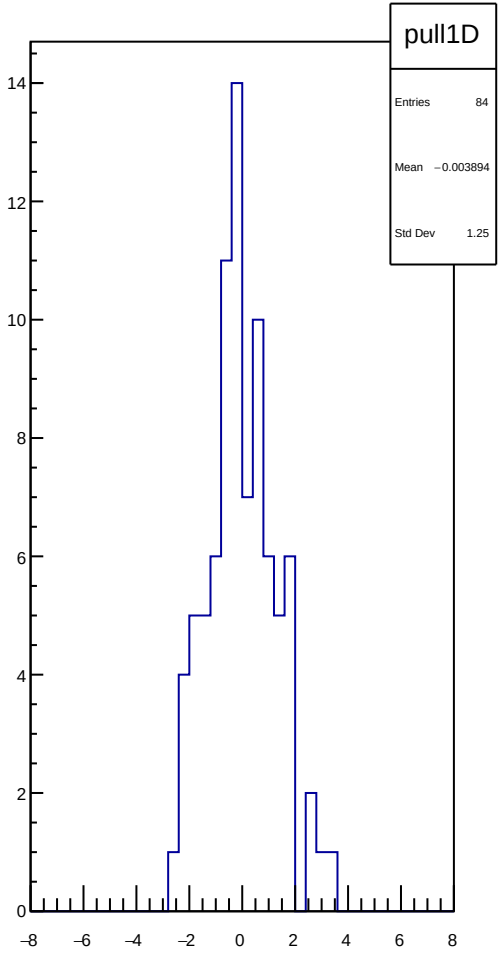

pull1D
Entries 84
Mean −0.0001152
Std Dev 0.3963

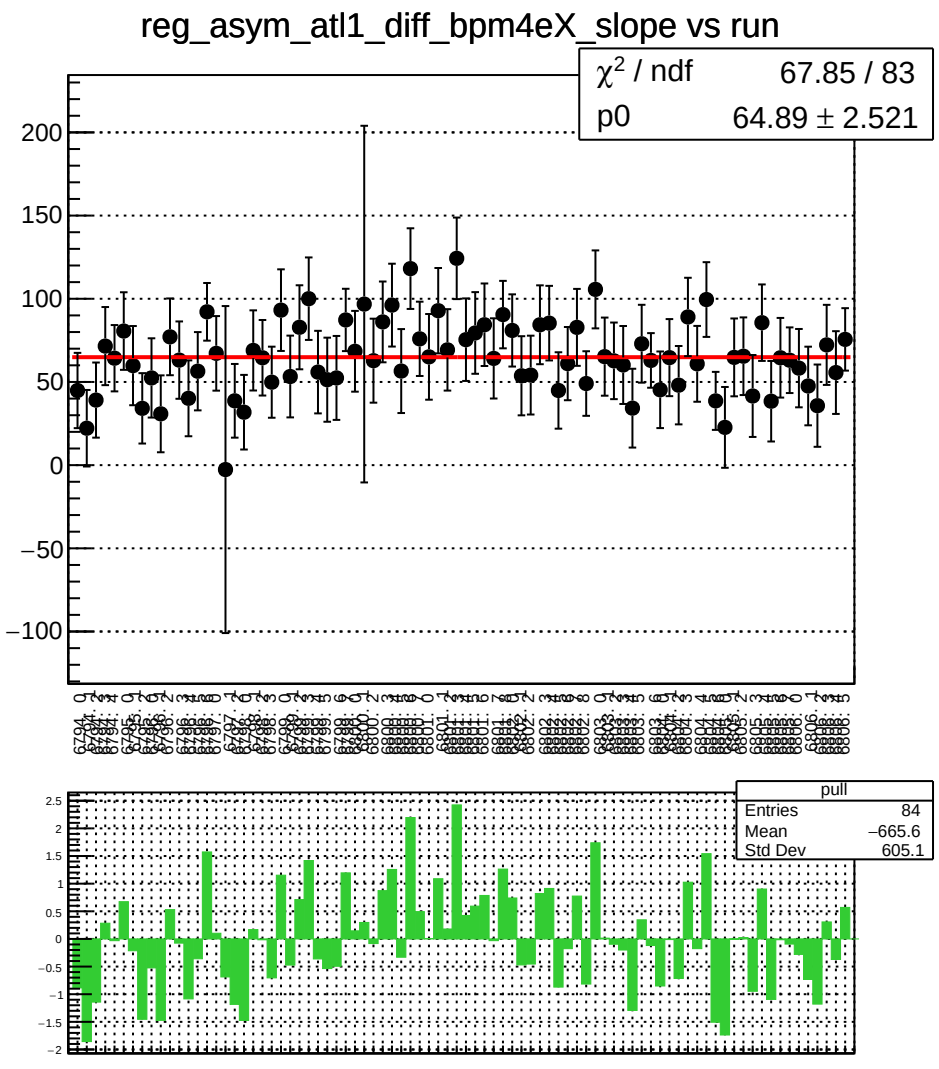

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 12.54 / 83
p0 0.2837 ± 0.02668
pull
Entries 84
Mean −426.5
Std Dev 494.1
pull1D
Entries 84
Mean 0.005936
Std Dev 0.3864

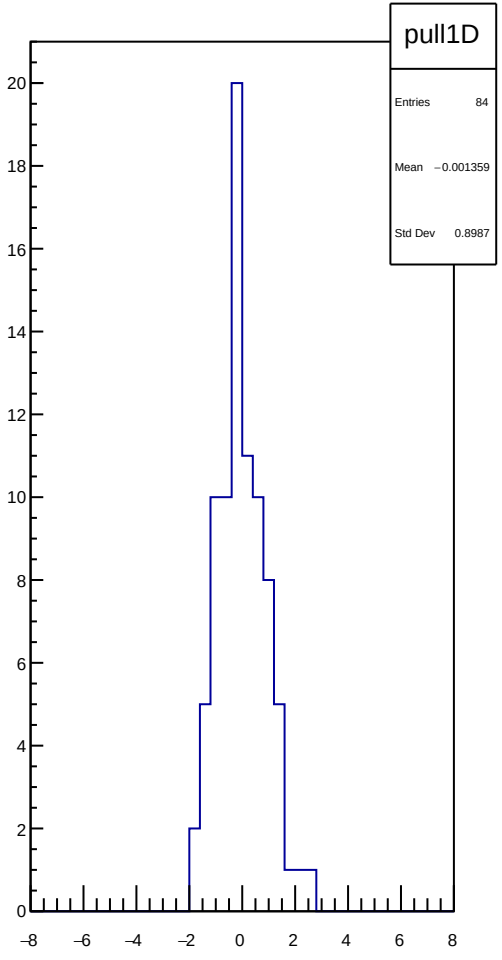

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 64.58 / 83
p0 −30.65 ± 2.689
pull
Entries 84
Mean −1032
Std Dev 878.1

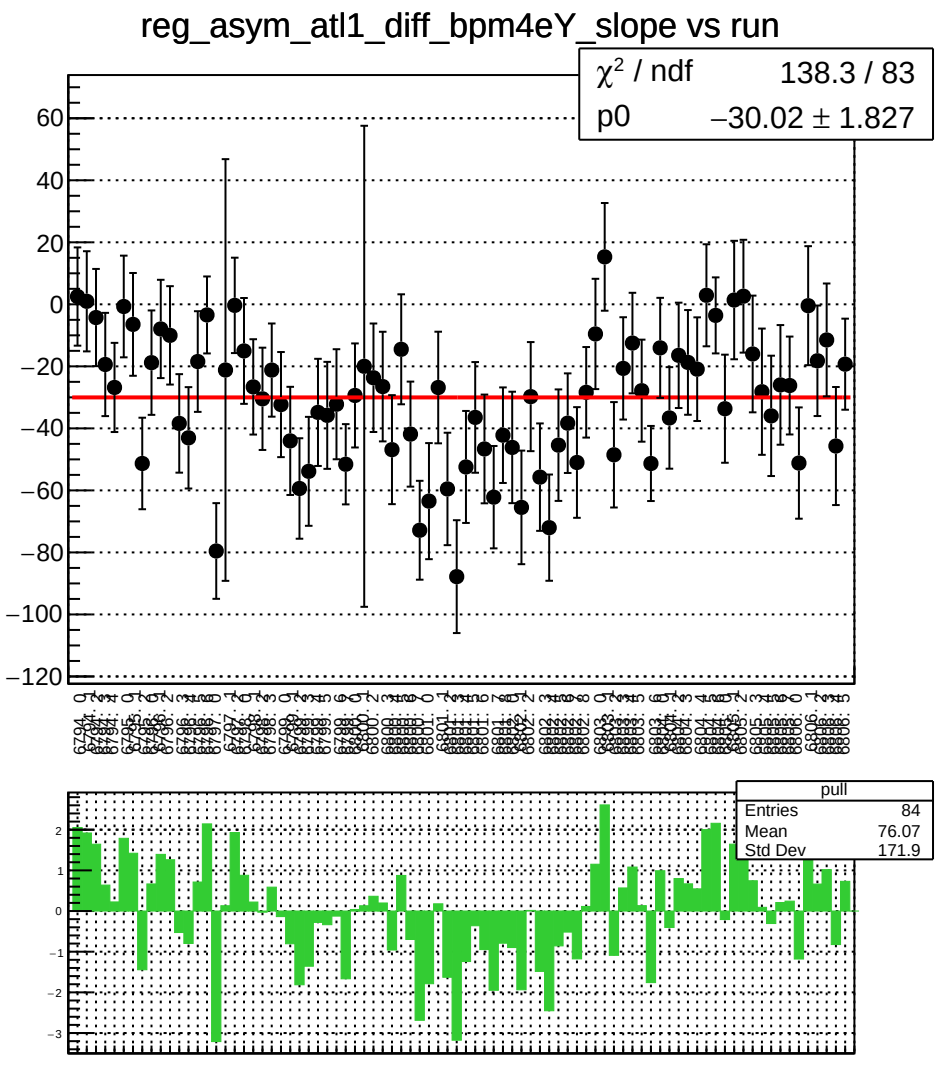

pull1D
Entries 84
Mean 0.0004733
Std Dev 0.8768

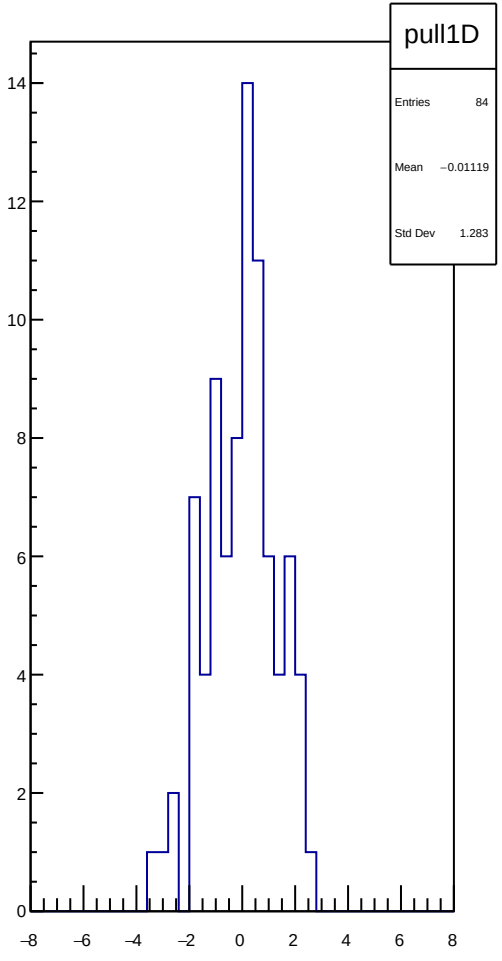

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 131.3 / 83
p0 18.48 ± 1.306
pull
Entries 84
Mean −204.9
Std Dev 113.3

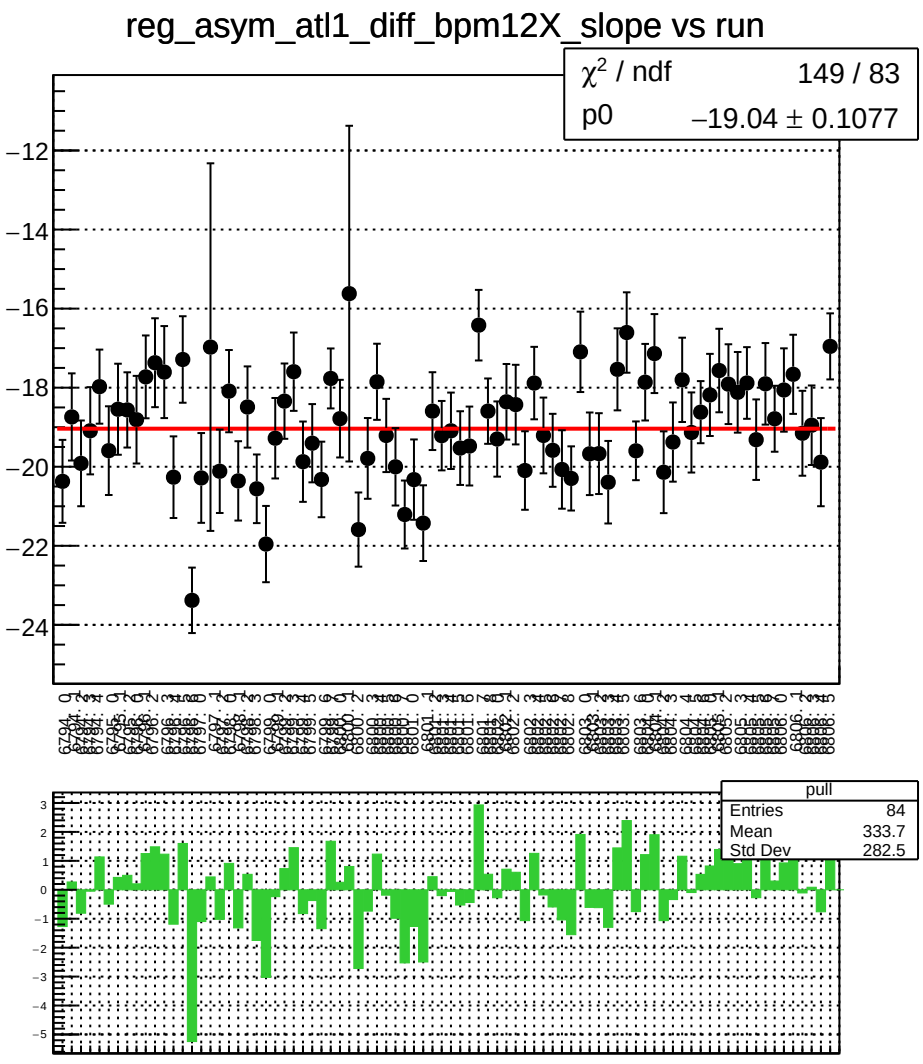

pull1D
Entries 84
Mean −0.003894
Std Dev 1.25

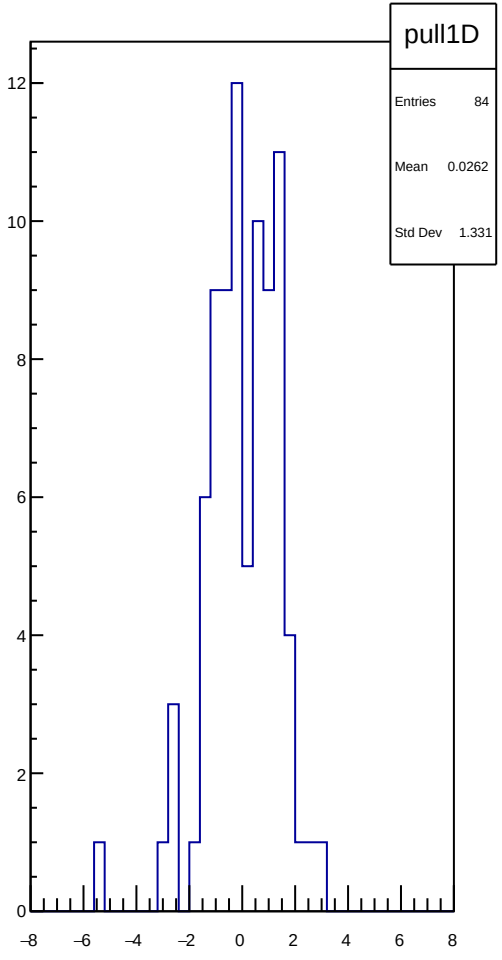

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 67.85 / 83
p0 64.89 ± 2.521
pull
Entries 84
Mean −665.6
Std Dev 605.1

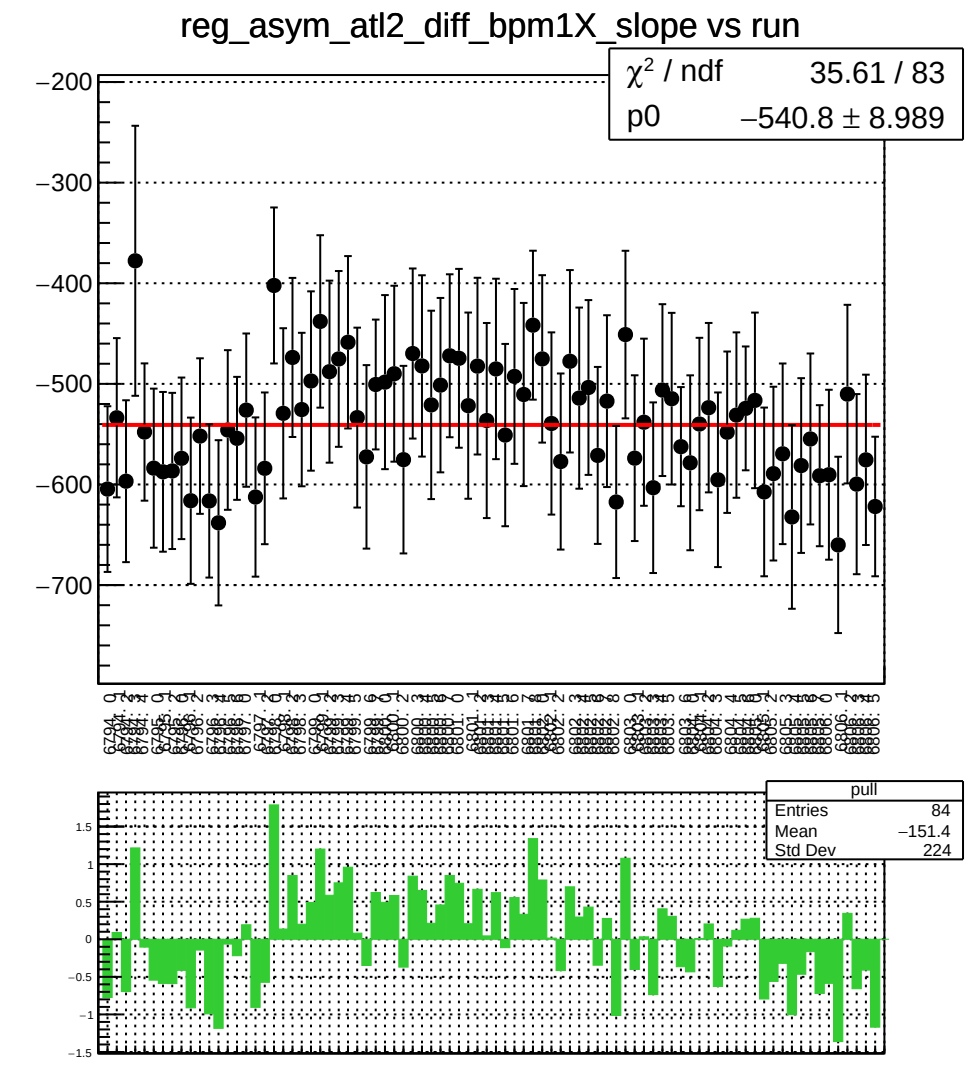

pull1D
Entries 84
Mean −0.001359
Std Dev 0.8987

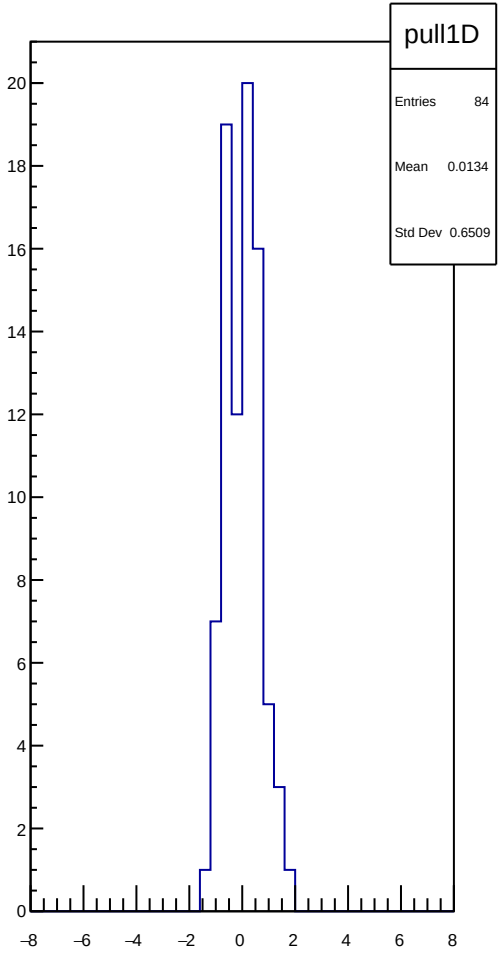

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 138.3 / 83
p0 −30.02 ± 1.827
pull
Entries 84
Mean 76.07
Std Dev 171.9

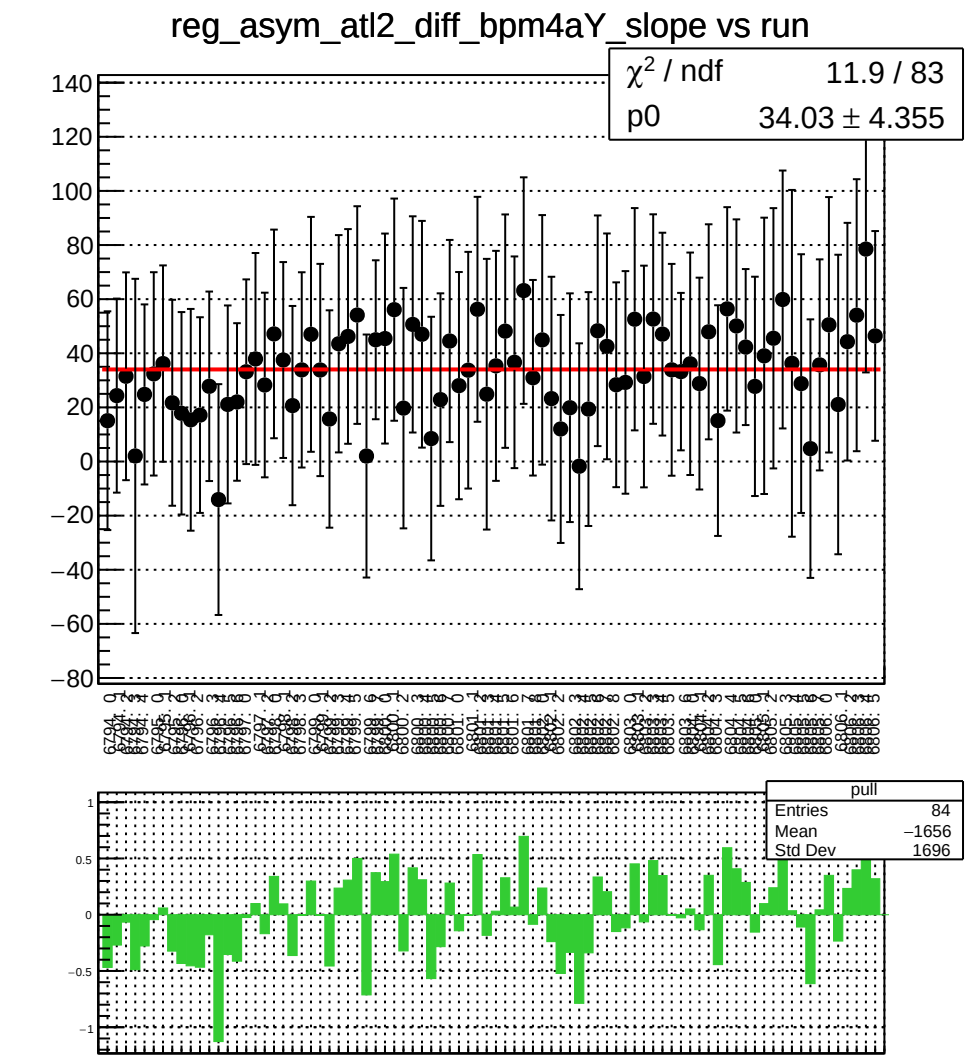

pull1D
Entries 84
Mean −0.01119
Std Dev 1.283

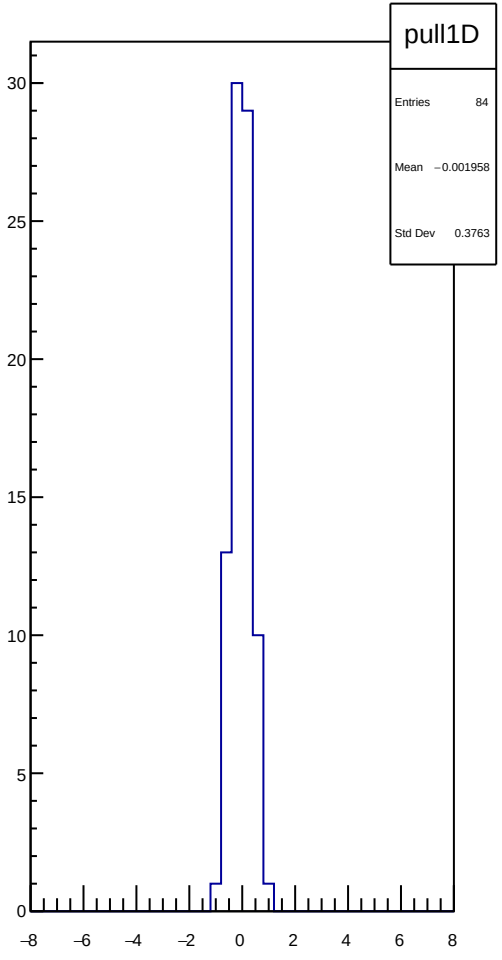

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 149 / 83
p0 −19.04 ± 0.1077
pull
Entries 84
Mean 333.7
Std Dev 282.5

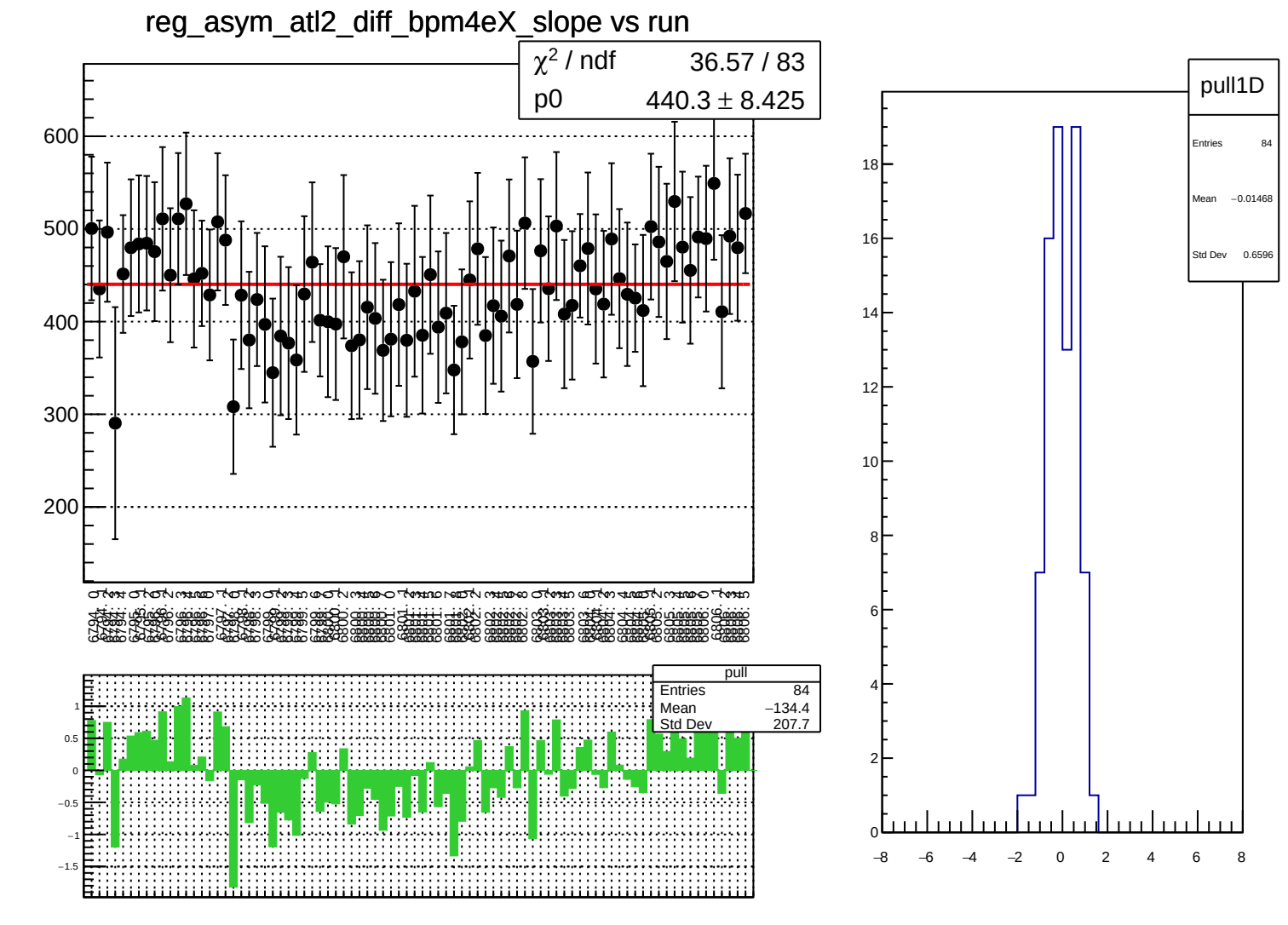

pull1D
Entries 84
Mean 0.0262
Std Dev 1.331

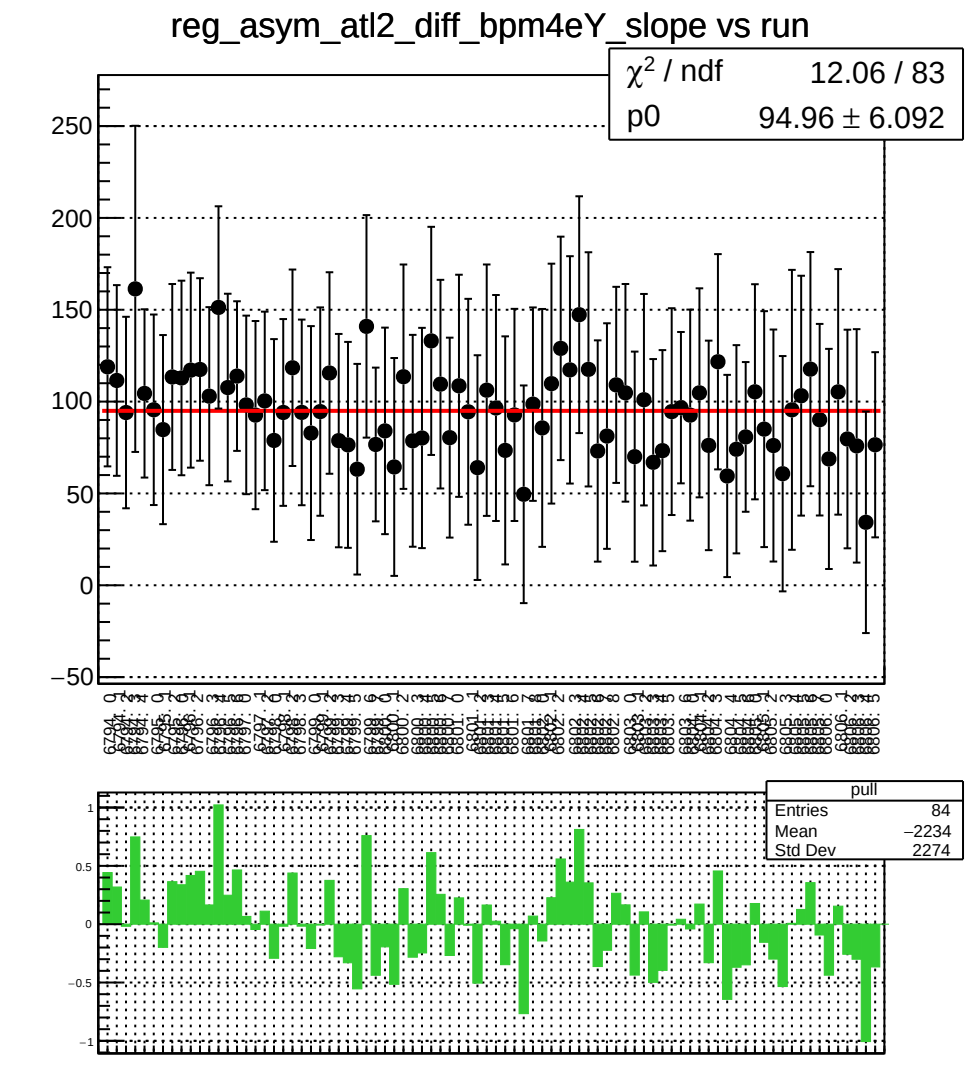

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 35.61 / 83
p0 −540.8 ± 8.989
pull
Entries 84
Mean −151.4
Std Dev 224

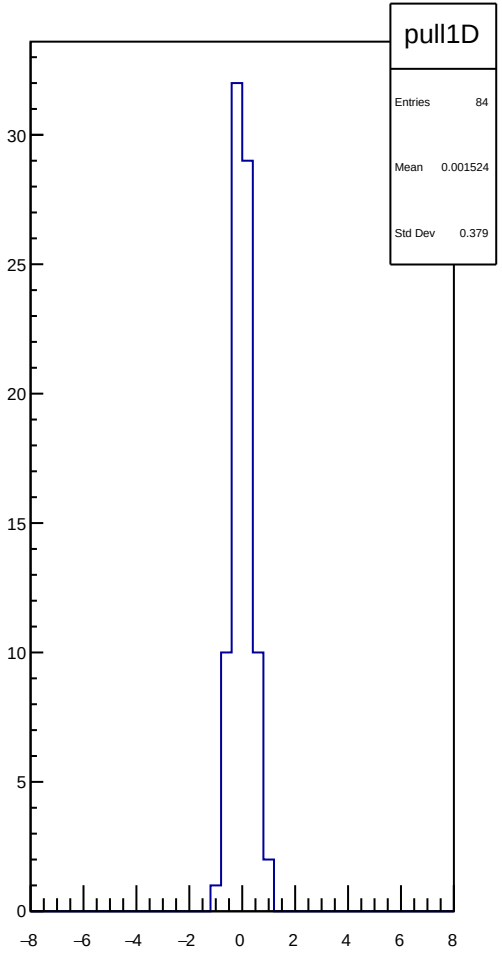

pull1D
Entries 84
Mean 0.0134
Std Dev 0.6509

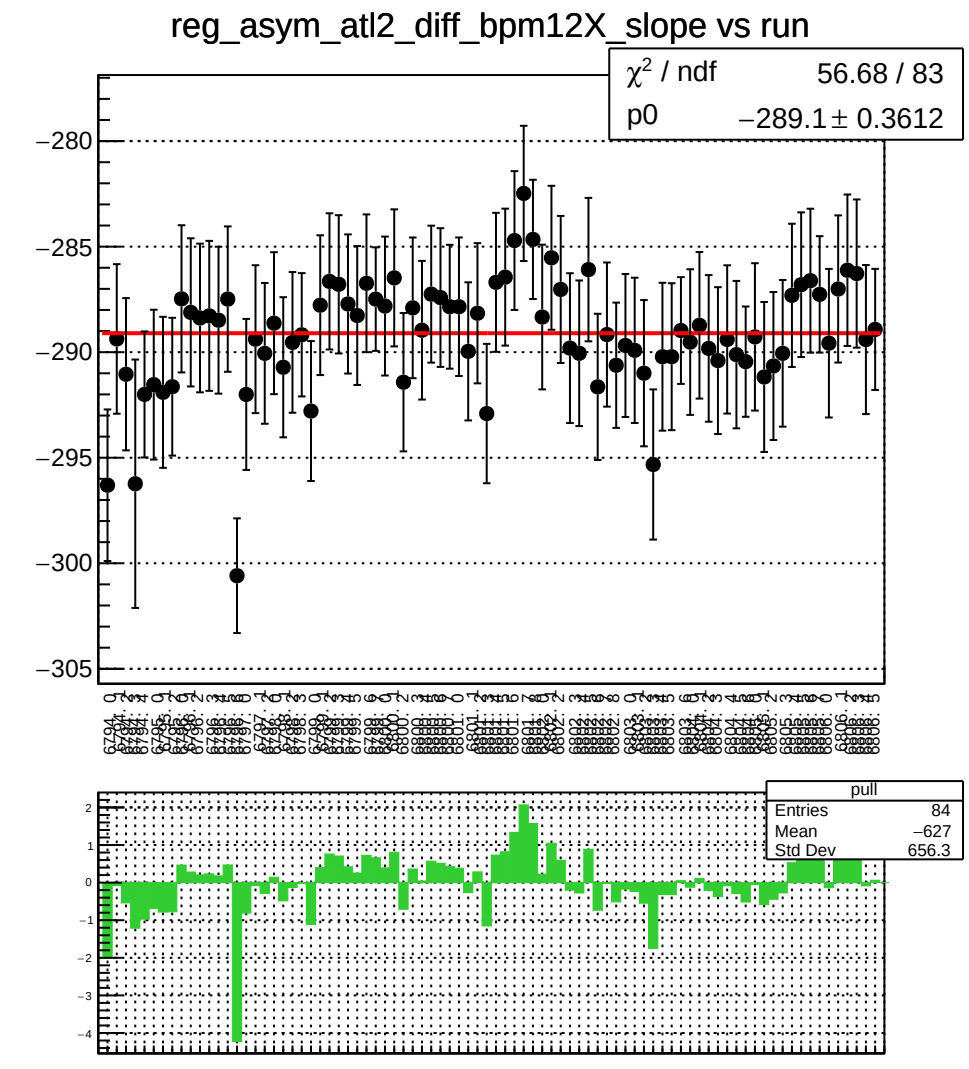

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 11.9 / 83
p0 34.03 ± 4.355
pull
Entries 84
Mean −1656
Std Dev 1696

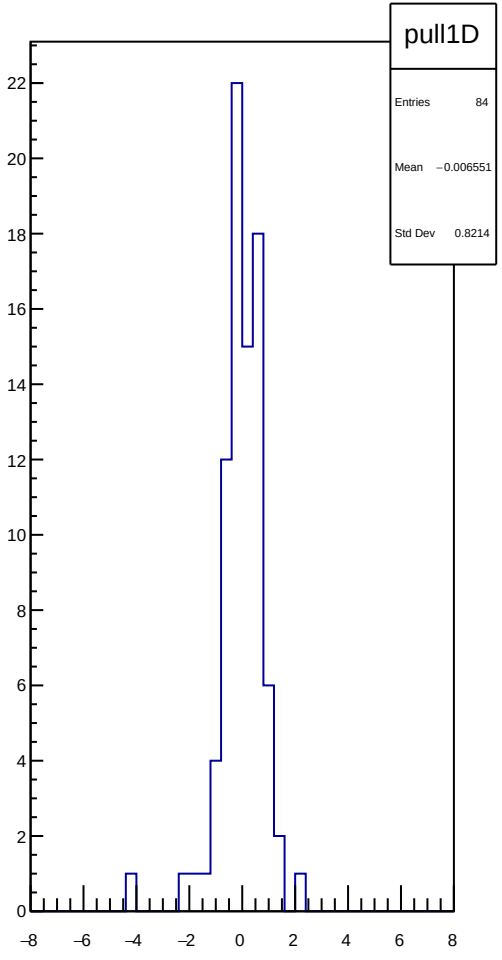

pull1D
Entries 84
Mean −0.001958
Std Dev 0.3763

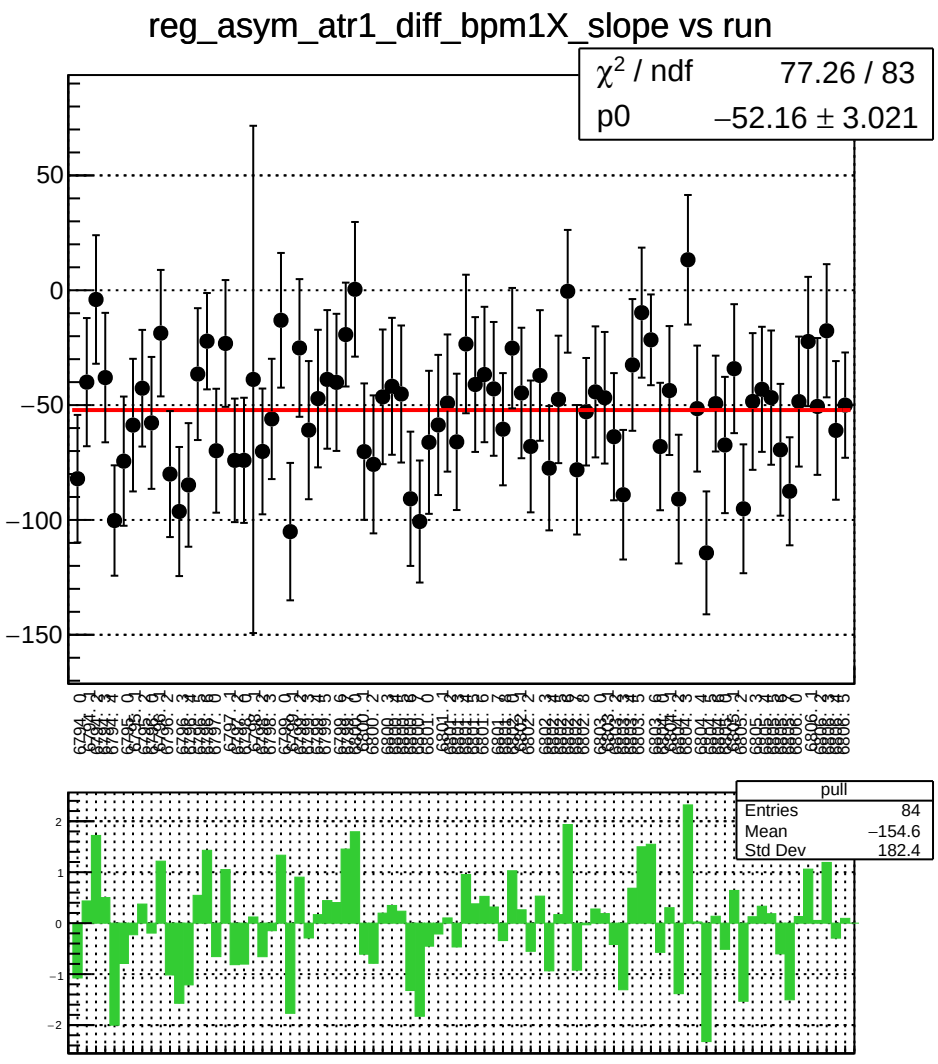

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 36.57 / 83
p0 440.3 ± 8.425
pull
Entries 84
Mean −134.4
Std Dev 207.7
pull1D
Entries 84
Mean −0.01468
Std Dev 0.6596

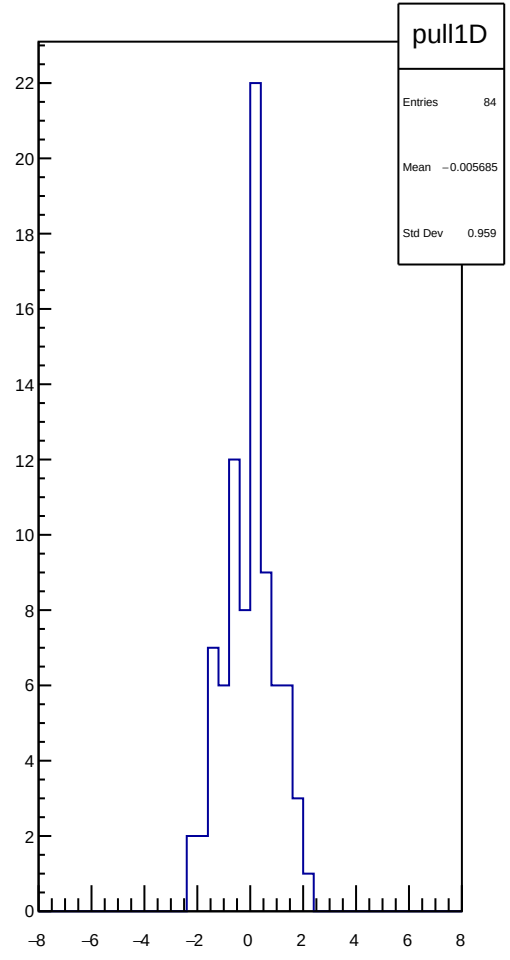

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 12.06 / 83
p0 94.96 ± 6.092
pull
Entries 84
Mean −2234
Std Dev 2274

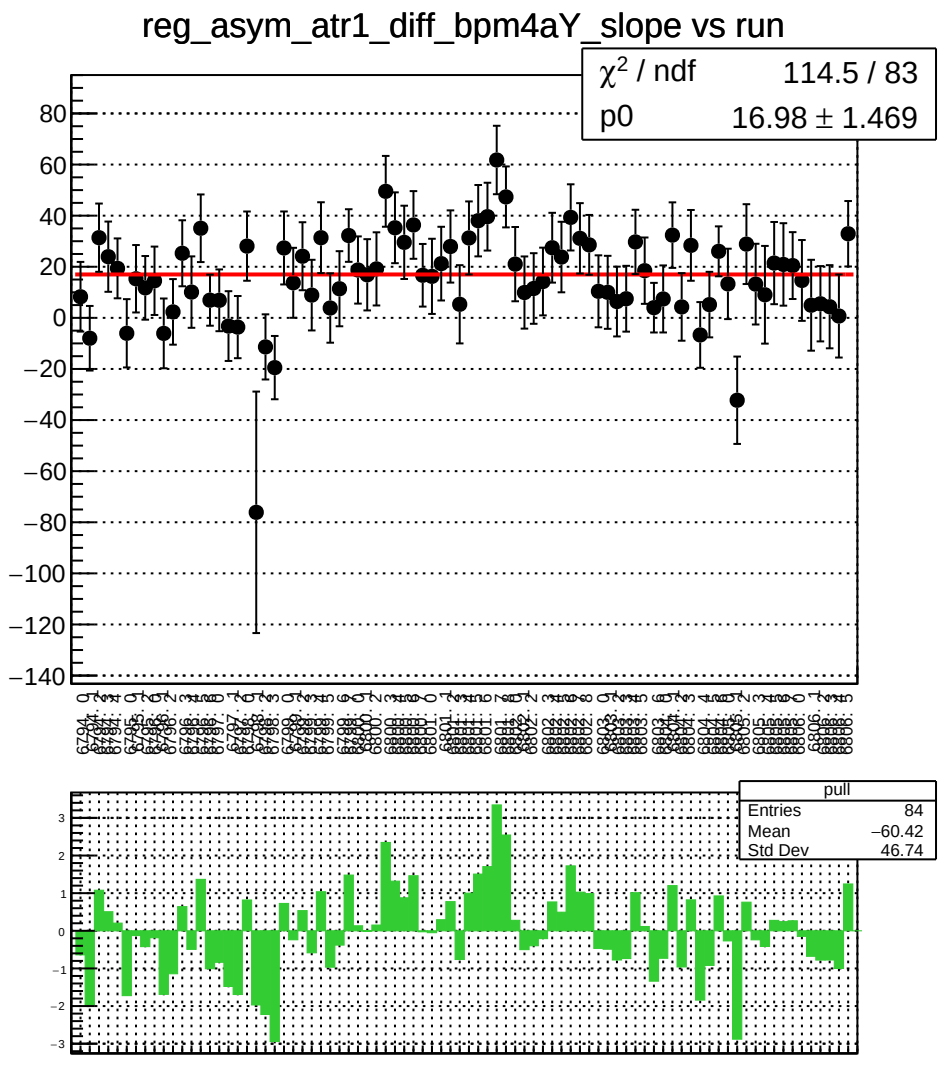

pull1D
Entries 84
Mean 0.001524
Std Dev 0.379

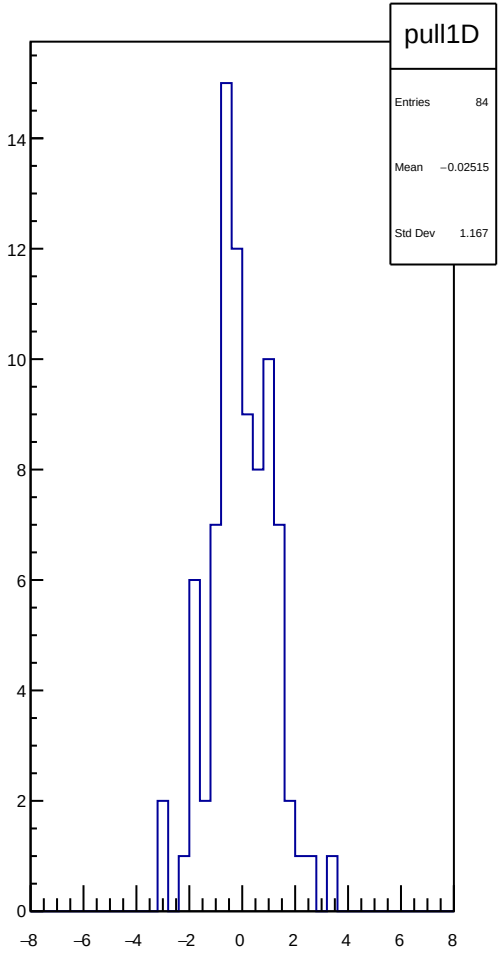

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 56.68 / 83
p0 −289.1 ± 0.3612
pull
Entries 84
Mean −627
Std Dev 656.3

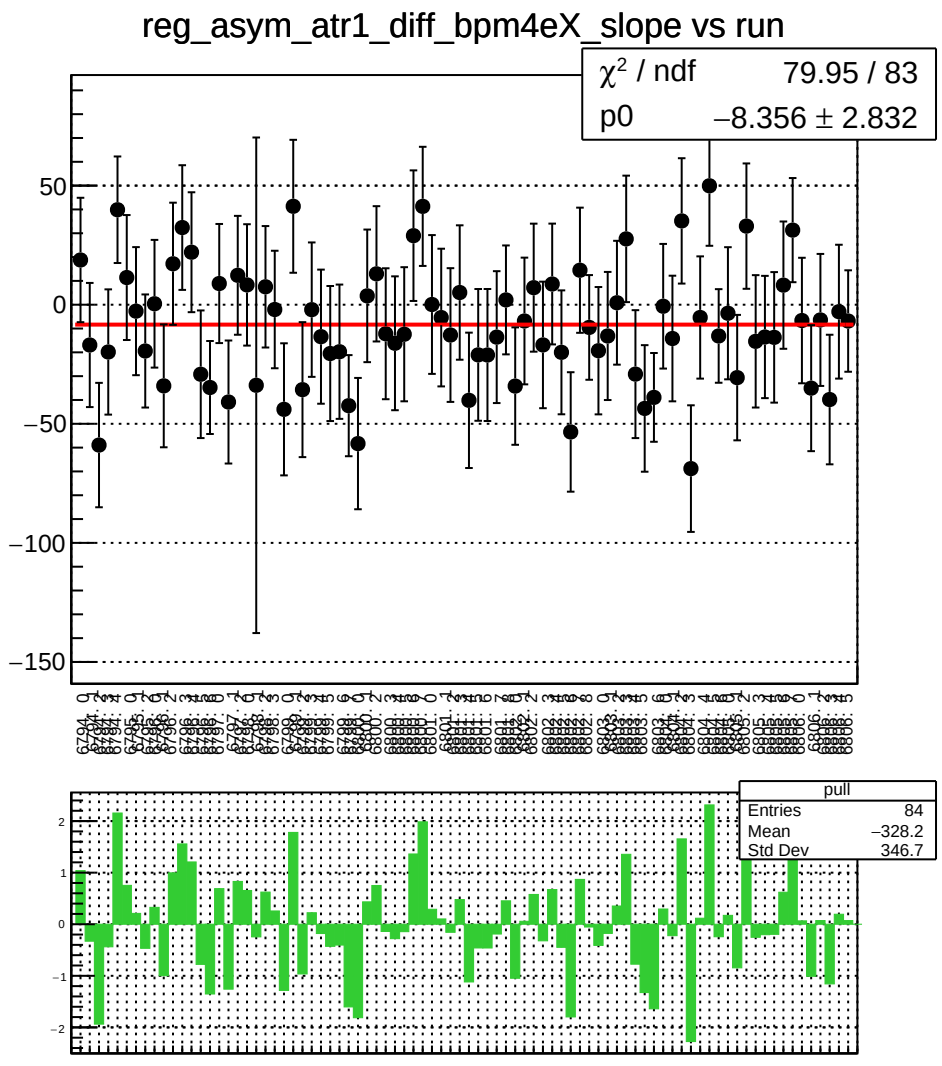

pull1D
Entries 84
Mean −0.006551
Std Dev 0.8214

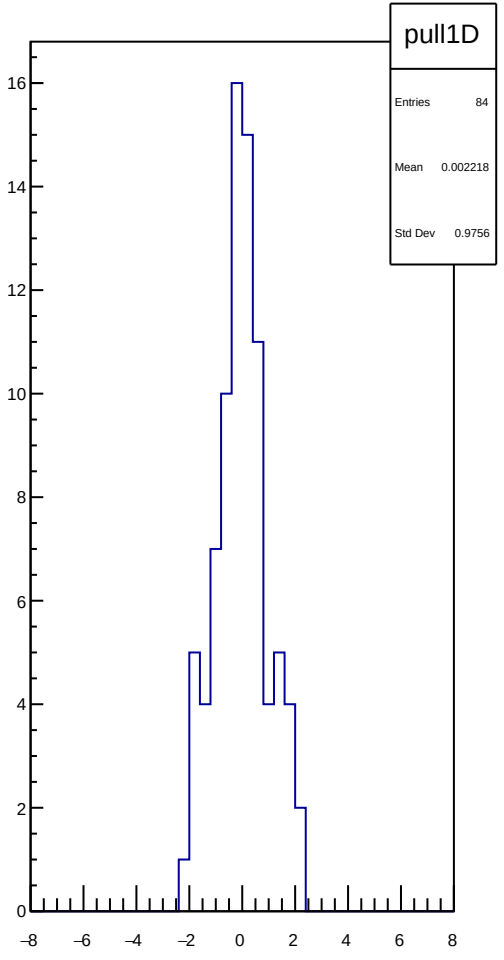

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 77.26 / 83
p0 −52.16 ± 3.021
50
0
−50
−100
−150
pull
Entries 84
Mean −154.6
Std Dev 182.4
2
1
0
−1
−2

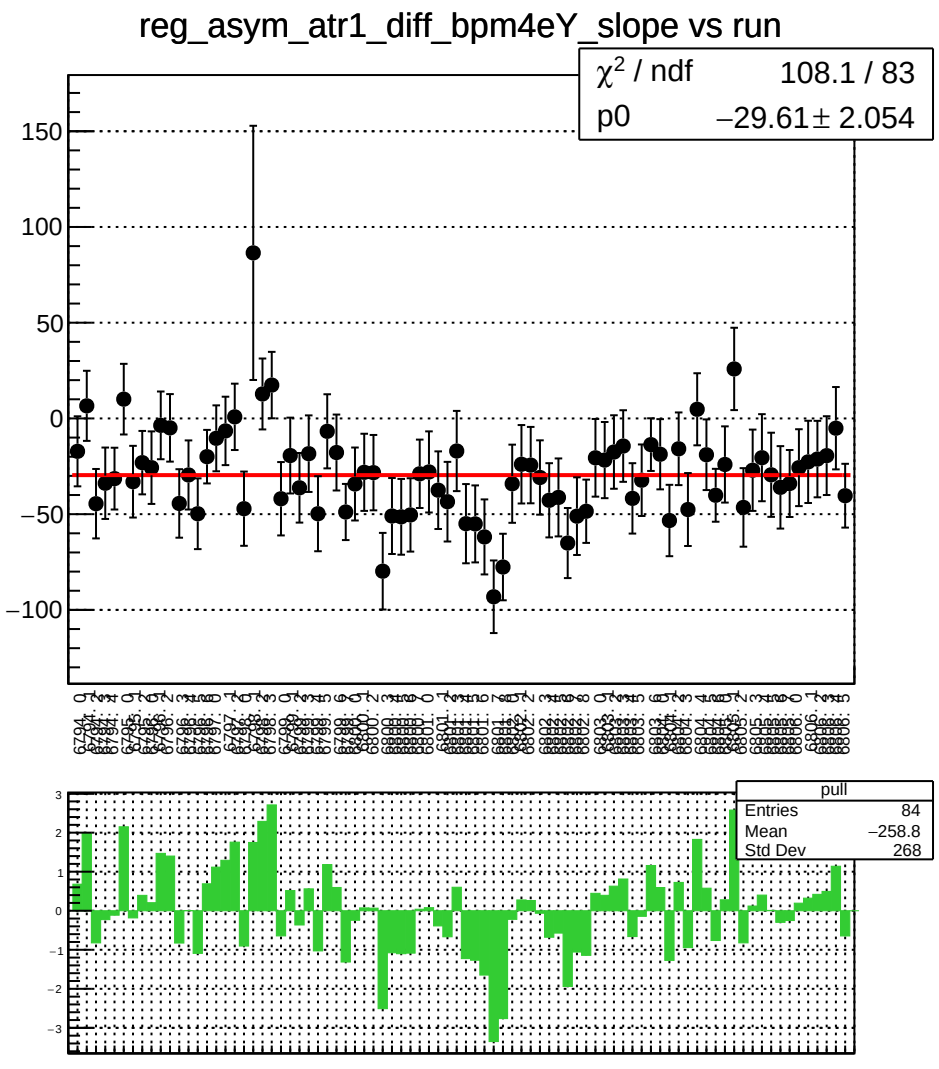

pull1D
Entries 84
Mean −0.005685
Std Dev 0.959
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

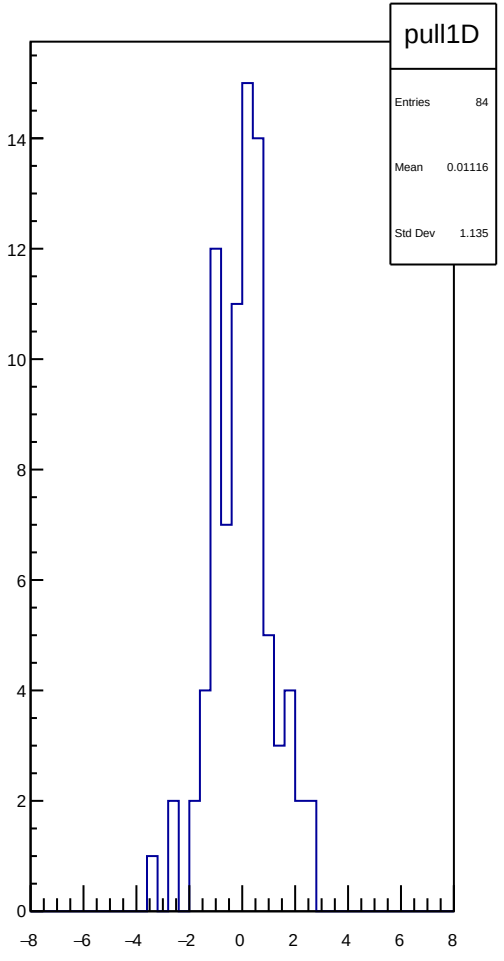

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 114.5 / 83
p0 16.98 ± 1.469
pull
Entries 84
Mean −60.42
Std Dev 46.74

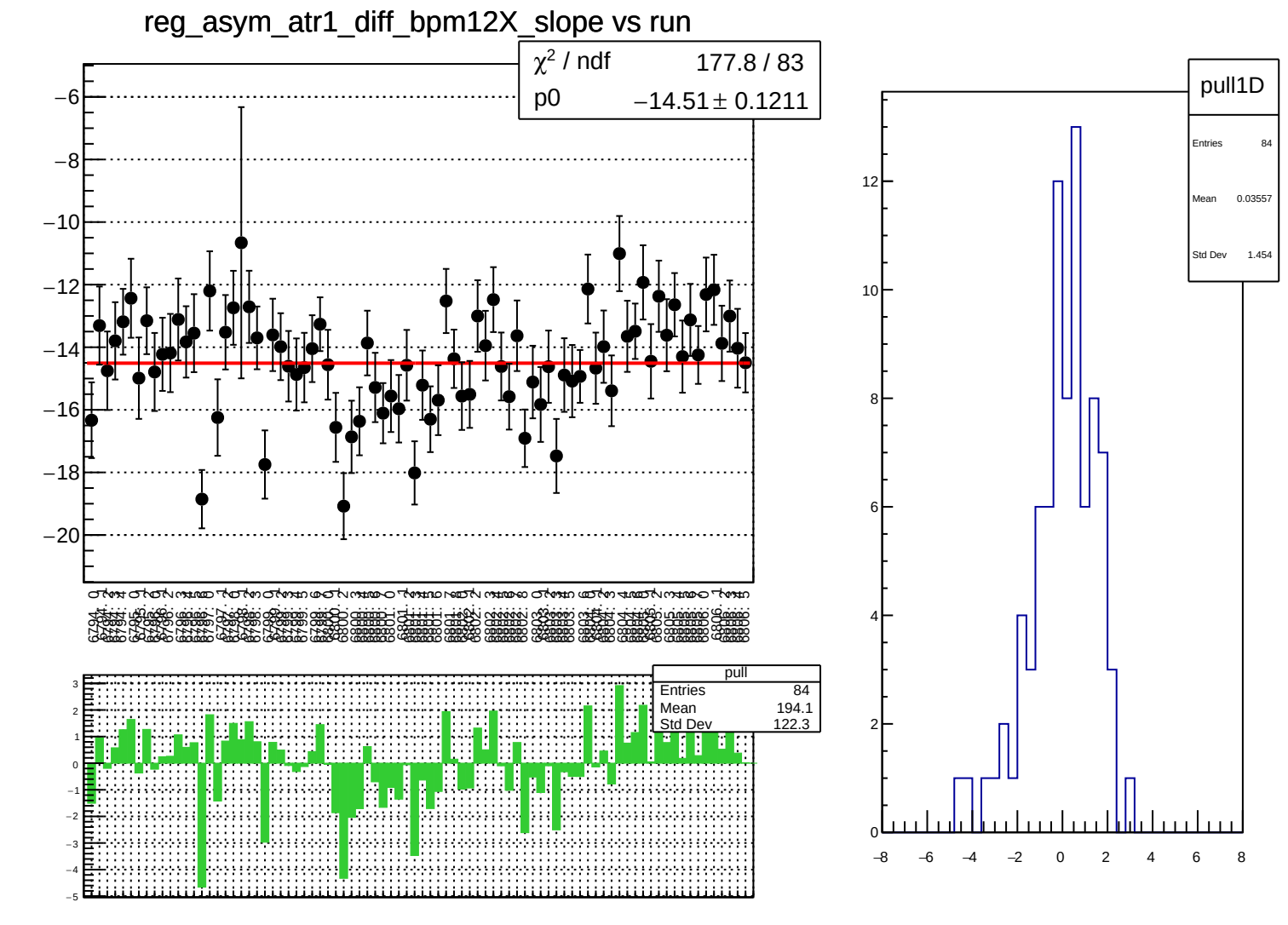

pull1D
Entries 84
Mean −0.02515
Std Dev 1.167

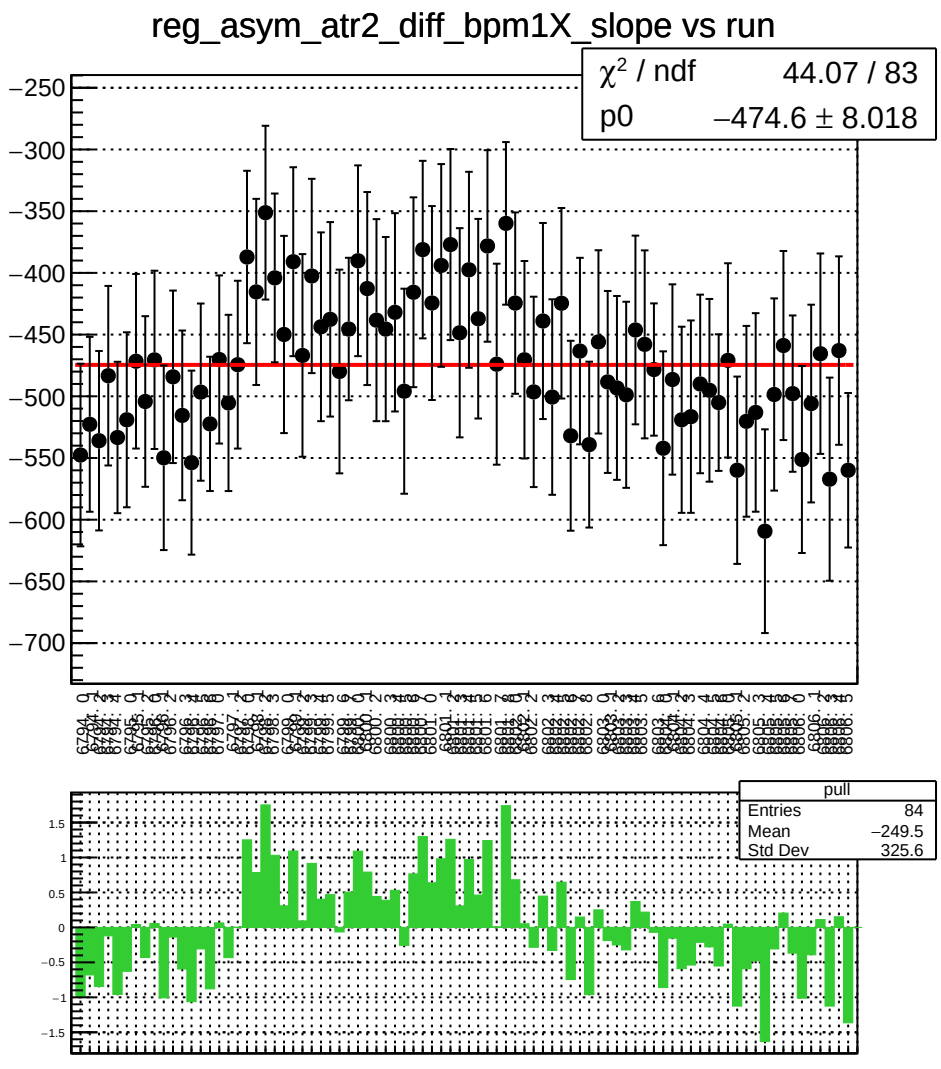

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 79.95 / 83
p0 −8.356 ± 2.832
50
0
−50
−100
−150
pull
Entries 84
Mean −328.2
Std Dev 346.7
2
1
0
−1
−2

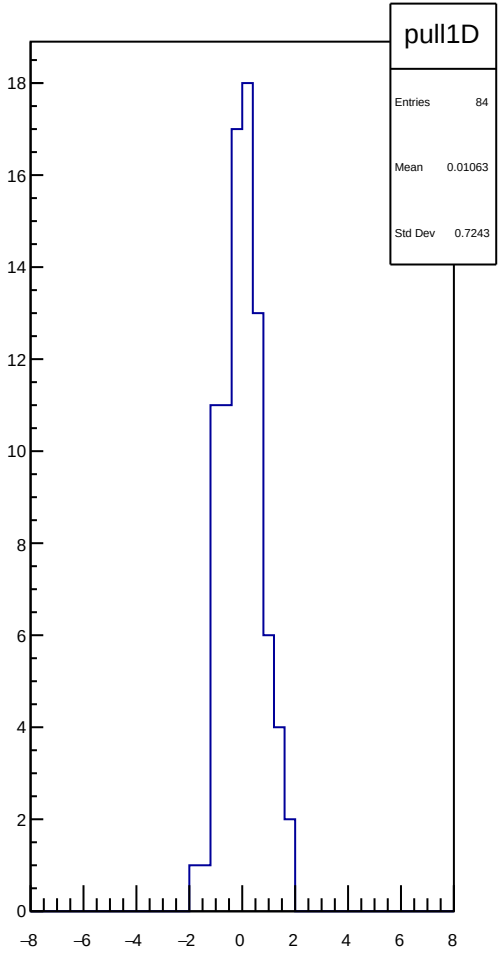

pull1D
Entries 84
Mean 0.002218
Std Dev 0.9756
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

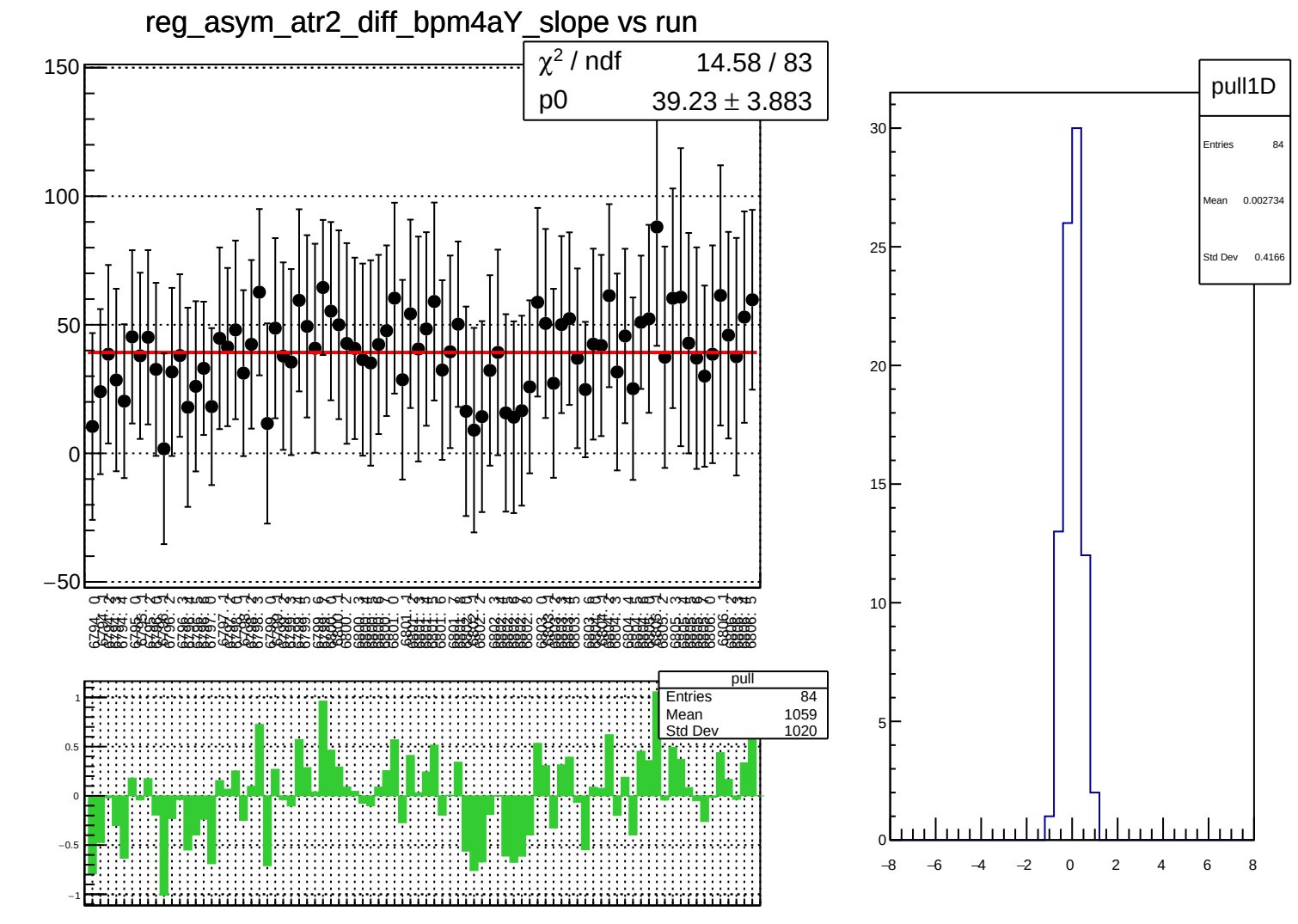

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 108.1 / 83
p0 −29.61 ± 2.054
150
100
50
0
−50
−100
pull
Entries 84
Mean −258.8
Std Dev 268
3
2
1
0
−1
−2
−3

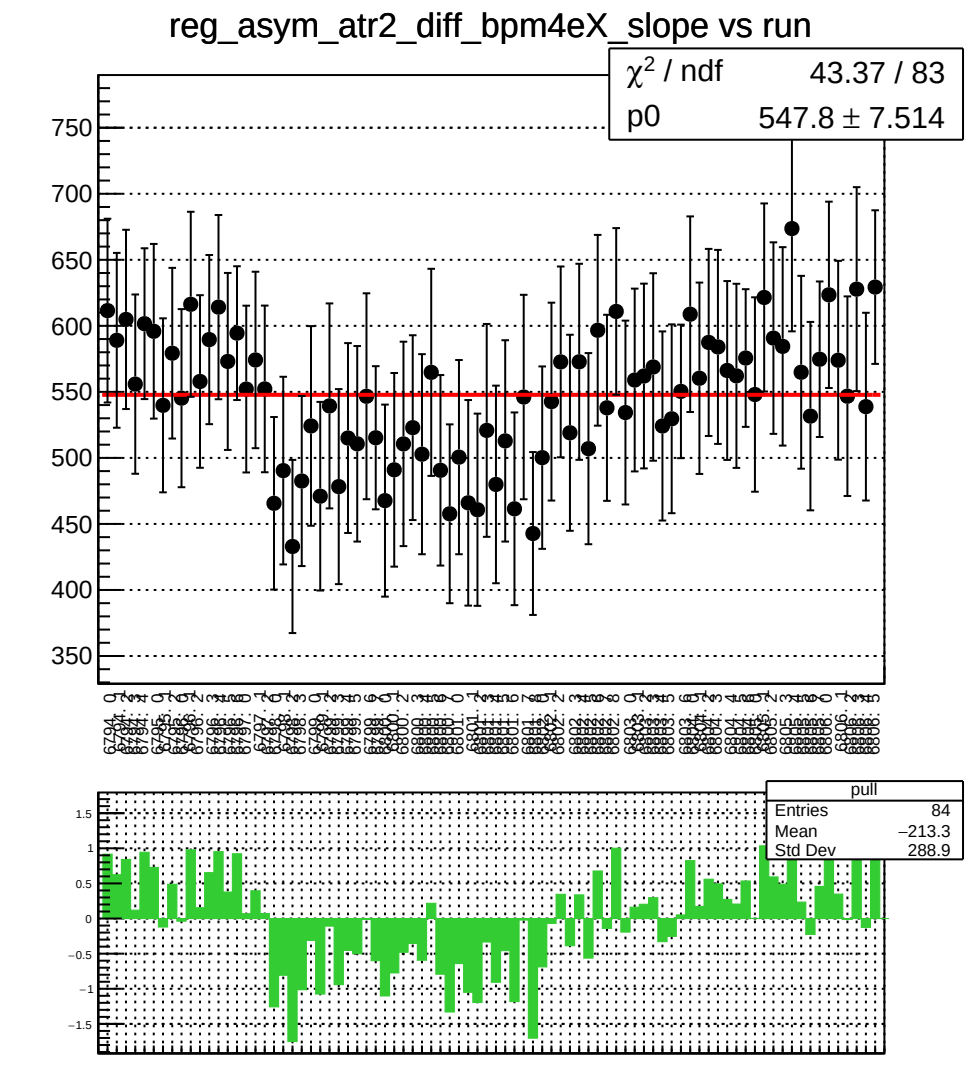

pull1D
Entries 84
Mean 0.01116
Std Dev 1.135
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

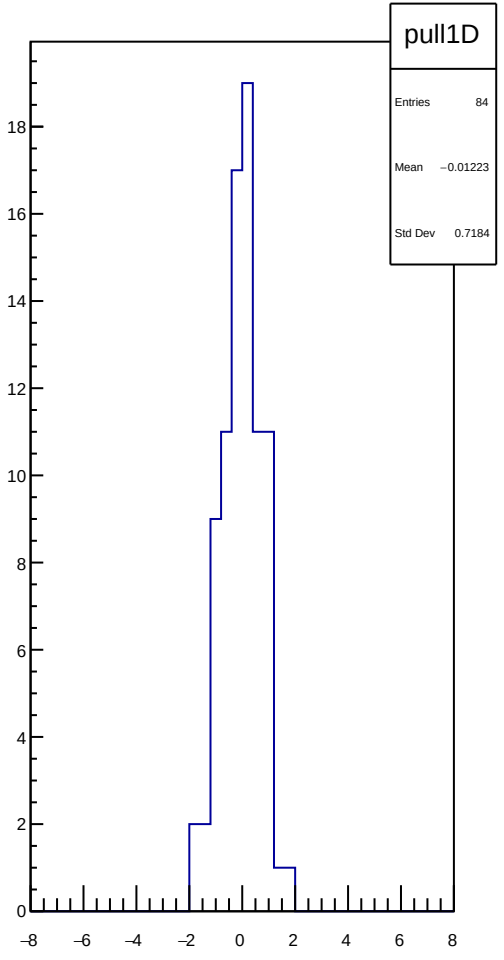

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 177.8 / 83
p0 −14.51 ± 0.1211
pull
Entries 84
Mean 194.1
Std Dev 122.3
pull1D
Entries 84
Mean 0.03557
Std Dev 1.454

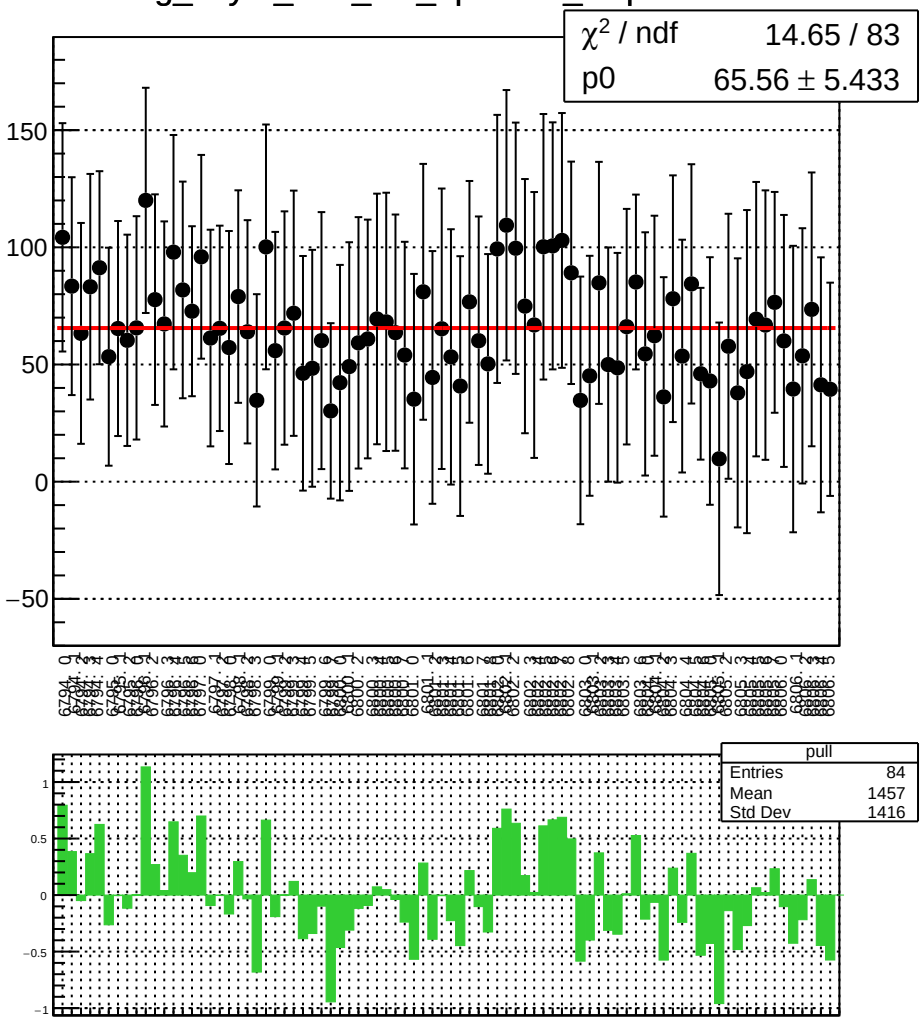

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 44.07 / 83
p0 −474.6 ± 8.018
pull
Entries 84
Mean −249.5
Std Dev 325.6

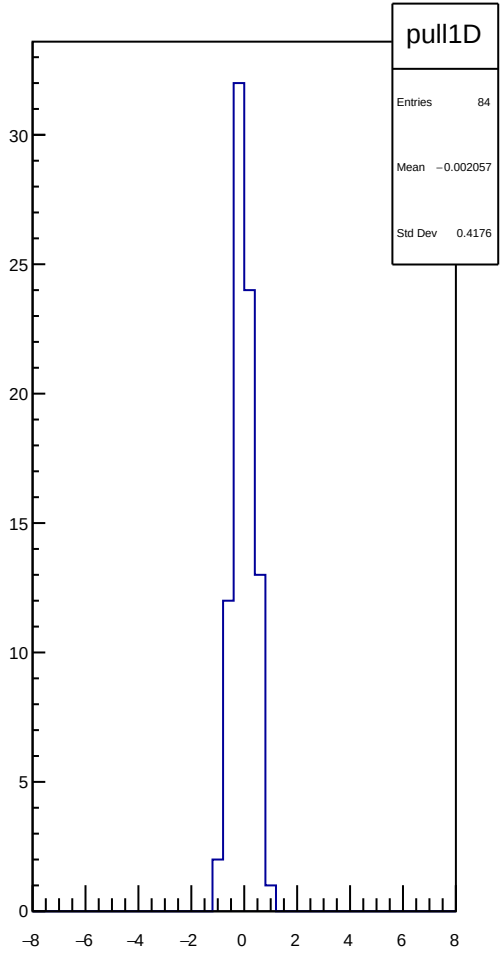

pull1D
Entries 84
Mean 0.01063
Std Dev 0.7243

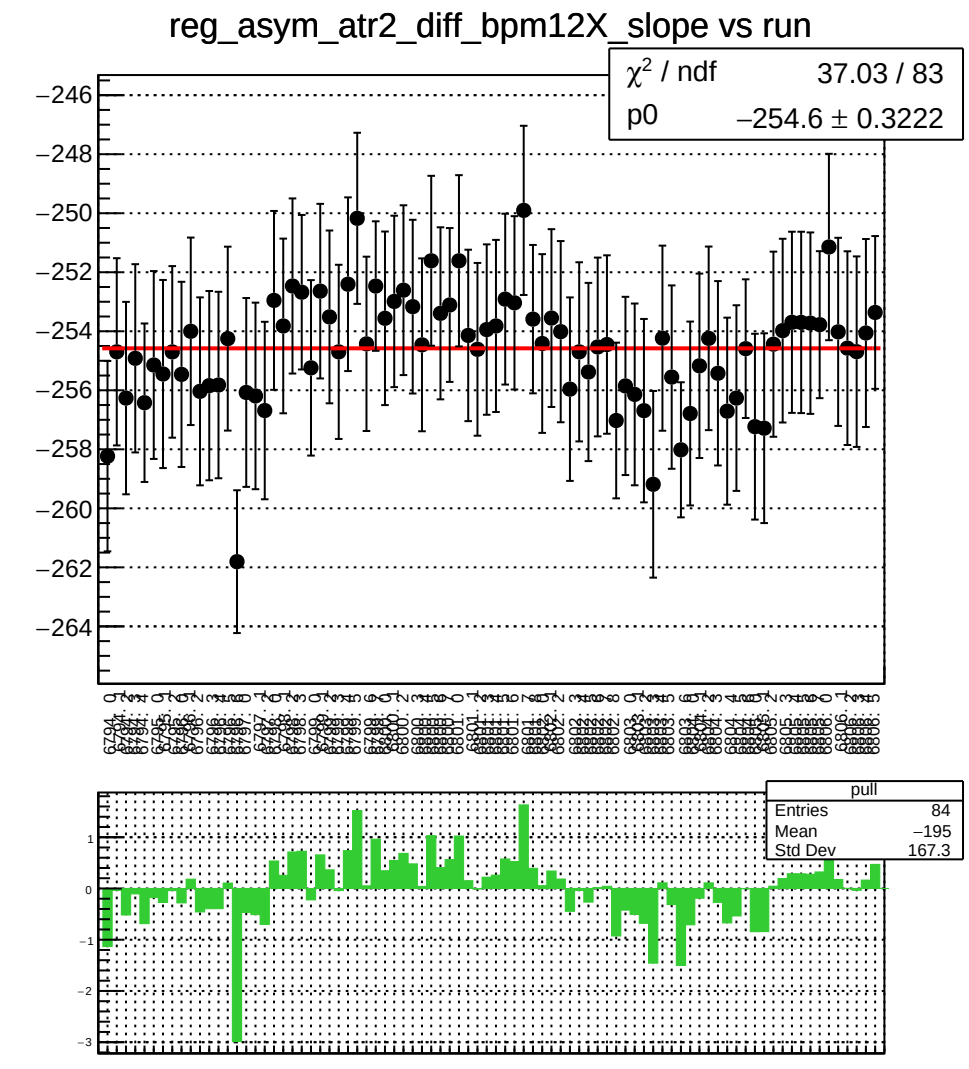

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 14.58 / 83
p0 39.23 ± 3.883
pull
Entries 84
Mean 1059
Std Dev 1020
pull1D
Entries 84
Mean 0.002734
Std Dev 0.4166

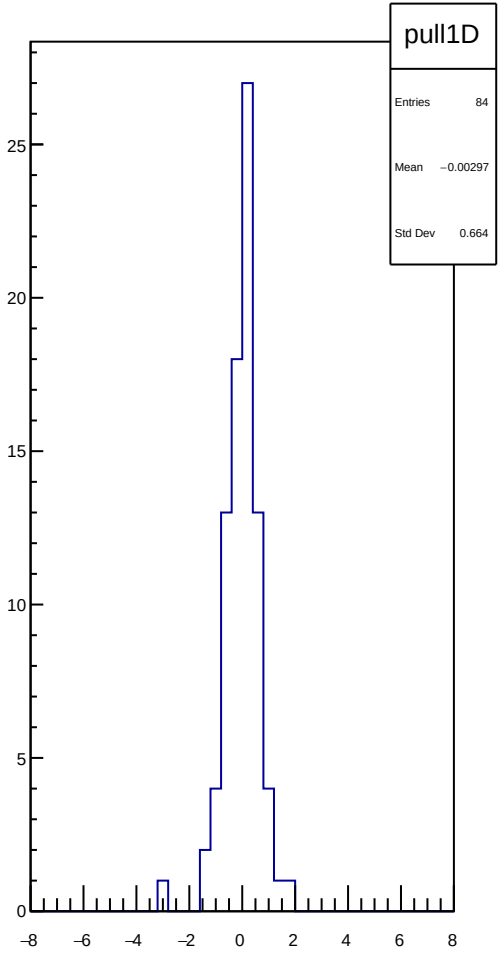

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 43.37 / 83
p0 547.8 ± 7.514
pull
Entries 84
Mean −213.3
Std Dev 288.9

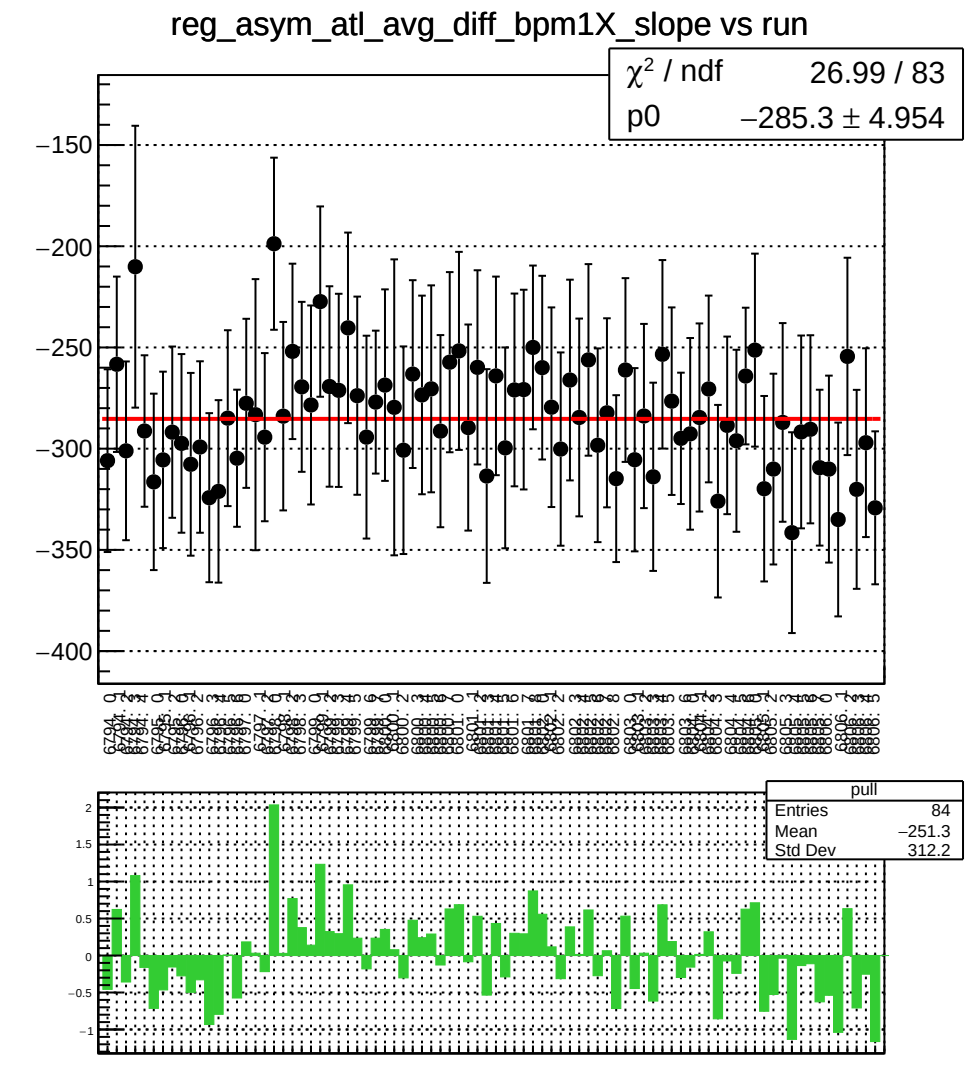

pull1D
Entries 84
Mean −0.01223
Std Dev 0.7184

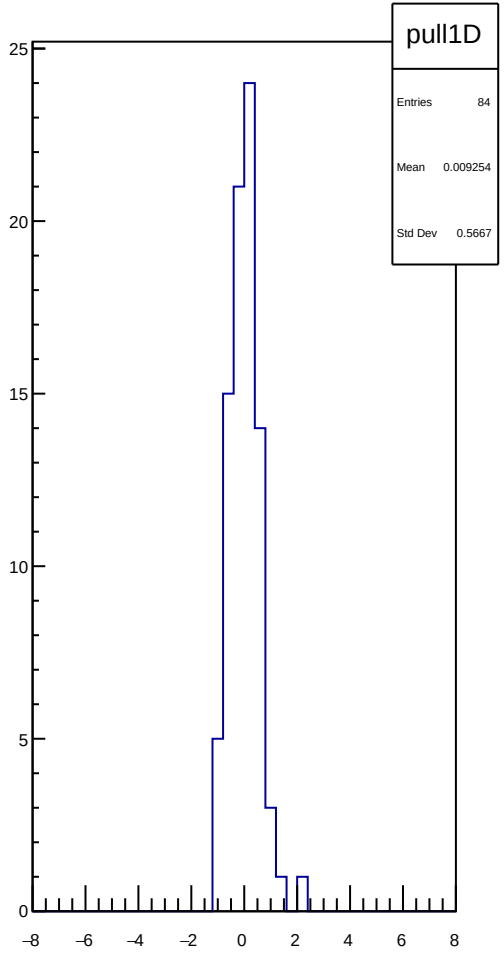

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 14.65 / 83
p0 65.56 ± 5.433
150
100
50
0
−50
pull
Entries 84
Mean 1457
Std Dev 1416
1
0.5
0
−0.5
−1

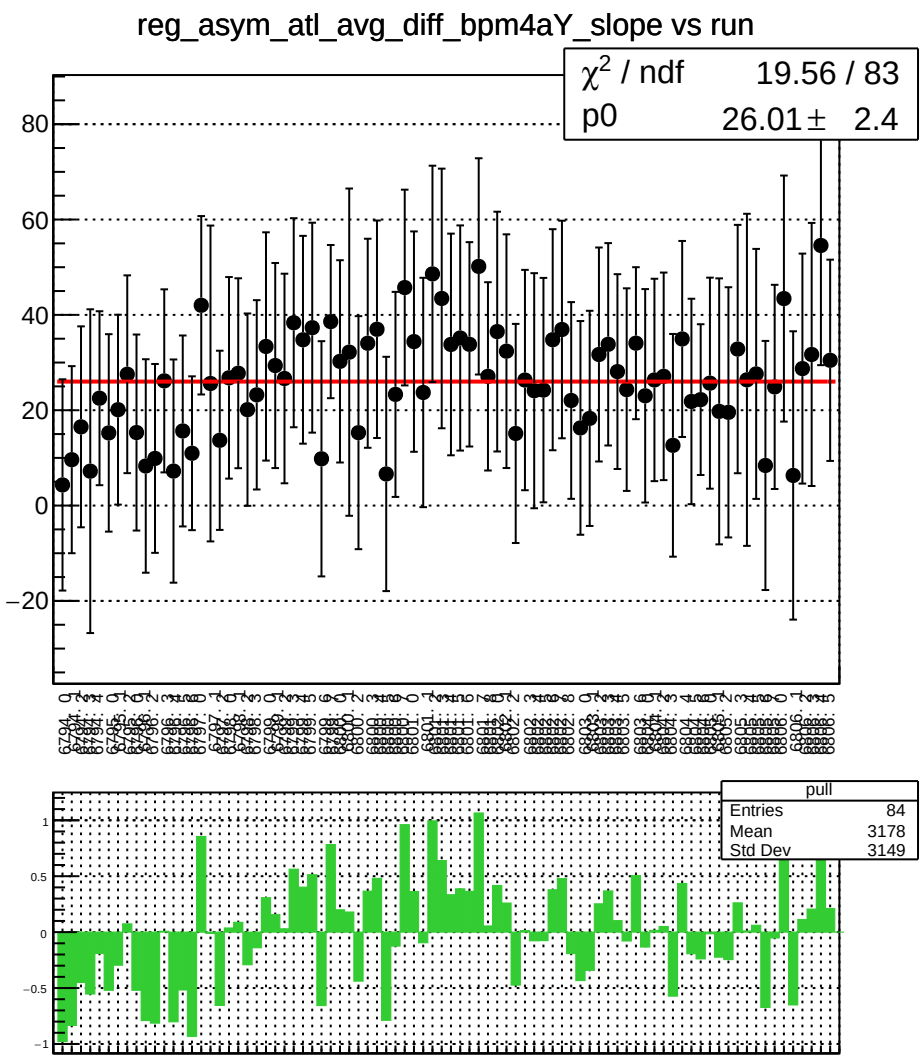

pull1D
Entries 84
Mean −0.002057
Std Dev 0.4176
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

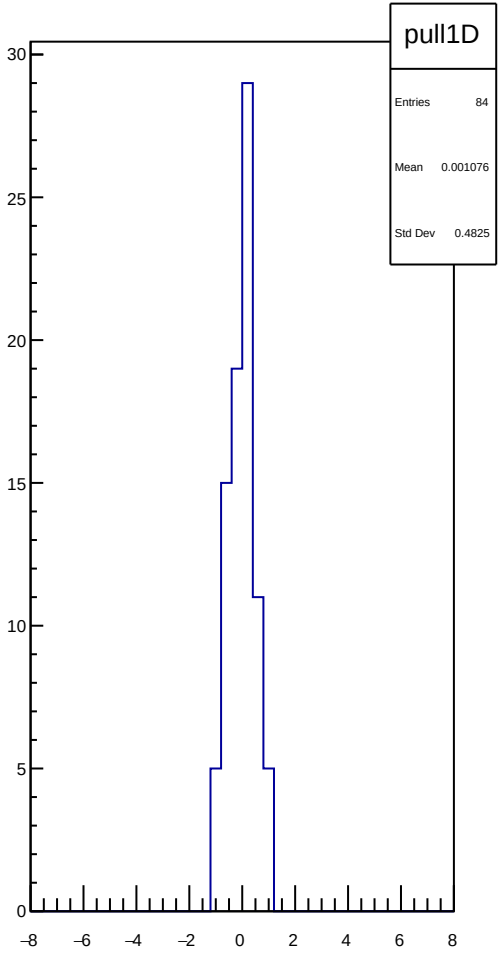

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 37.03 / 83
p0 −254.6 ± 0.3222
pull
Entries 84
Mean −195
Std Dev 167.3

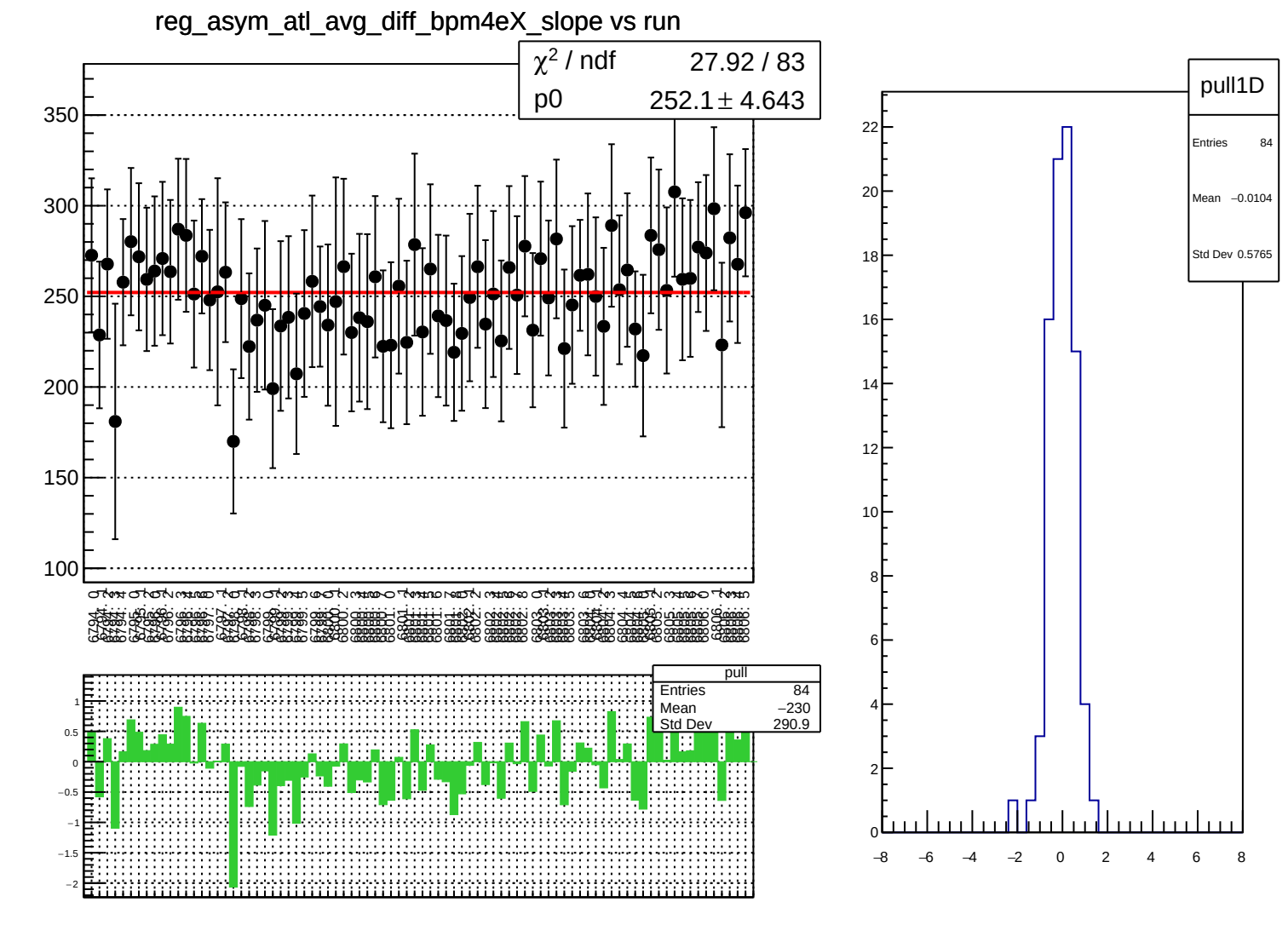

pull1D
Entries 84
Mean −0.00297
Std Dev 0.664

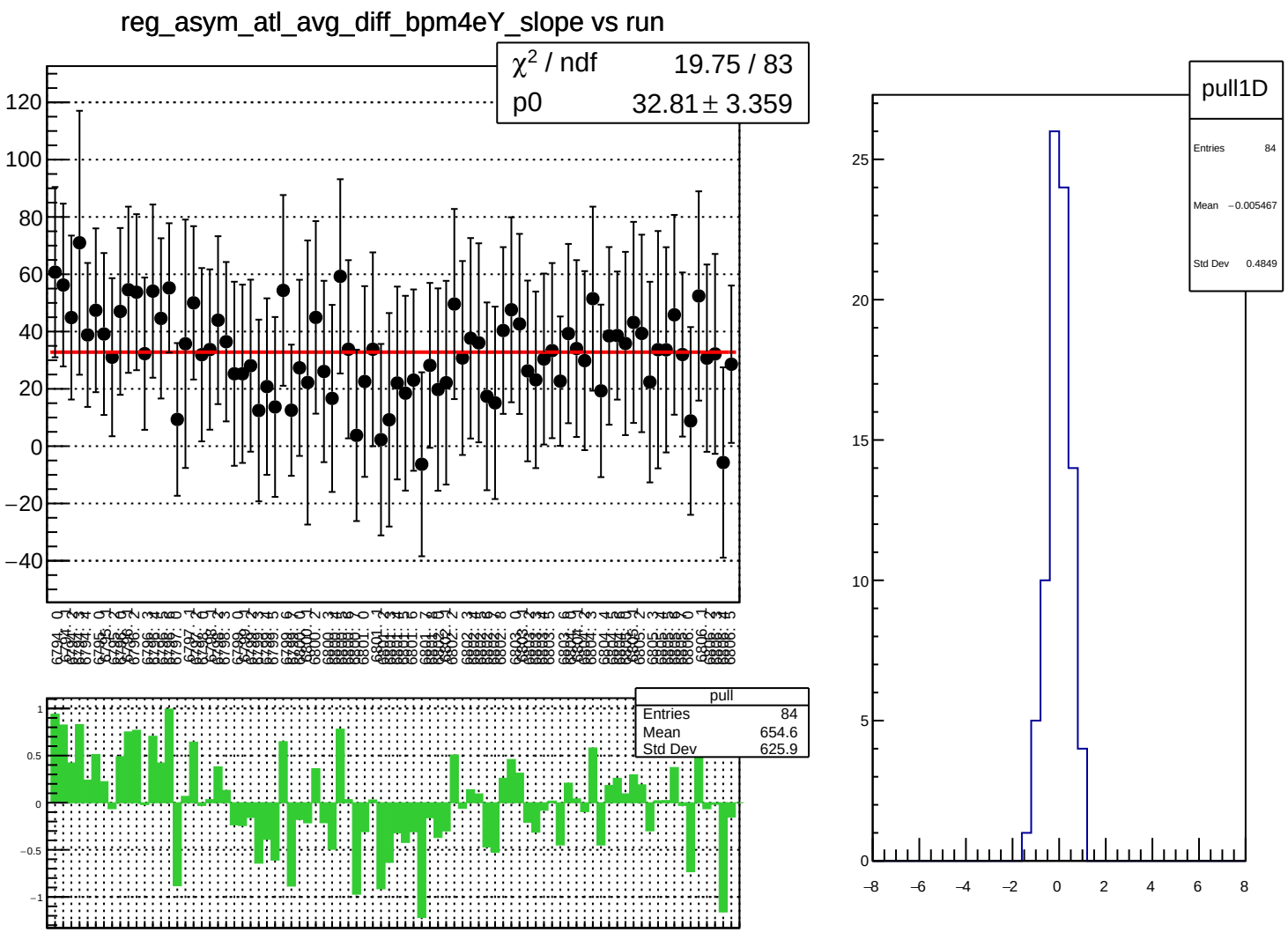

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 26.99 / 83
p0 −285.3 ± 4.954
−150
−200
−250
−300
−350
−400
pull
Entries 84
Mean −251.3
Std Dev 312.2
2
1.5
1
0.5
0
−0.5
−1

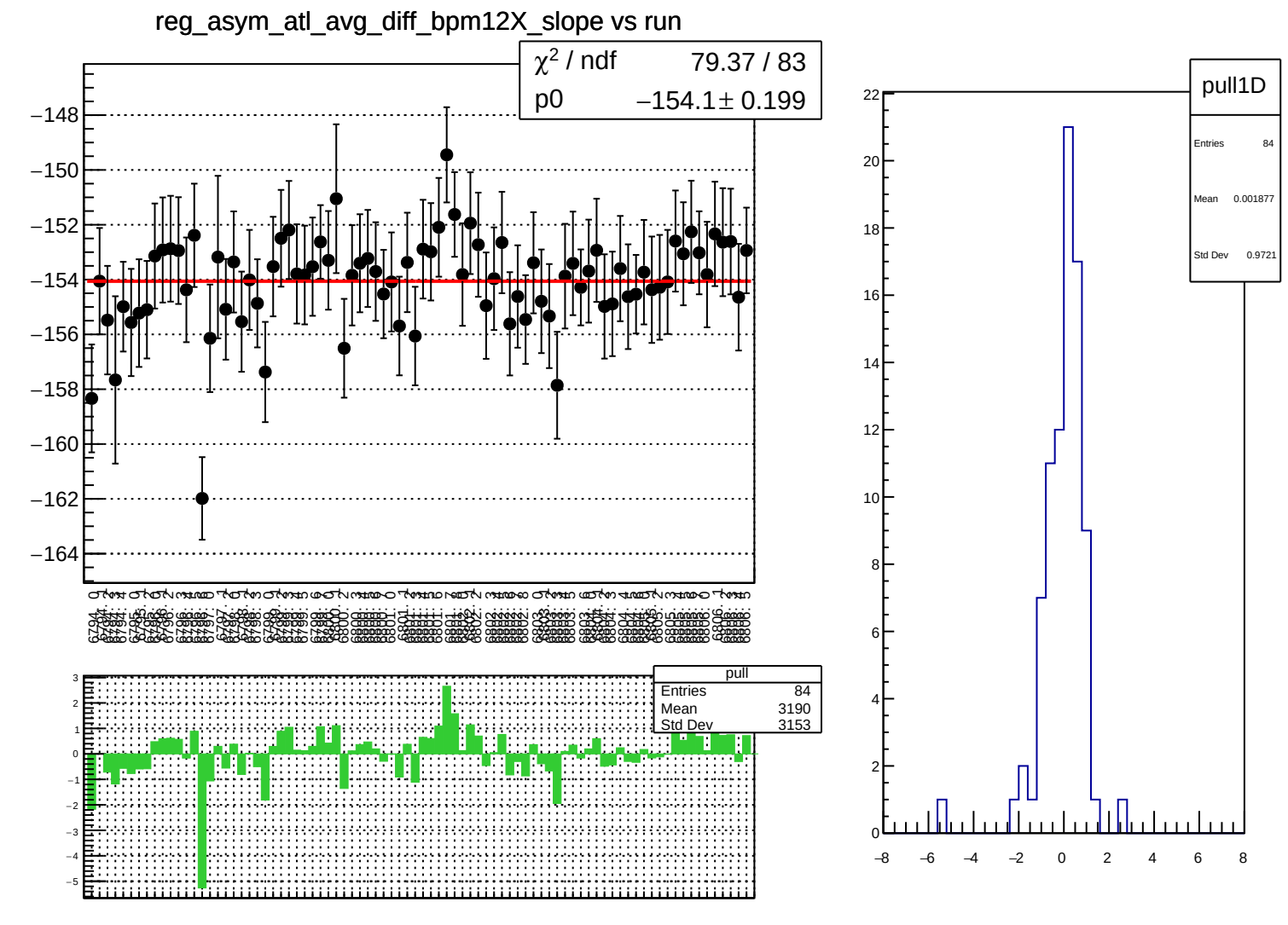

pull1D
Entries 84
Mean 0.009254
Std Dev 0.5667
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

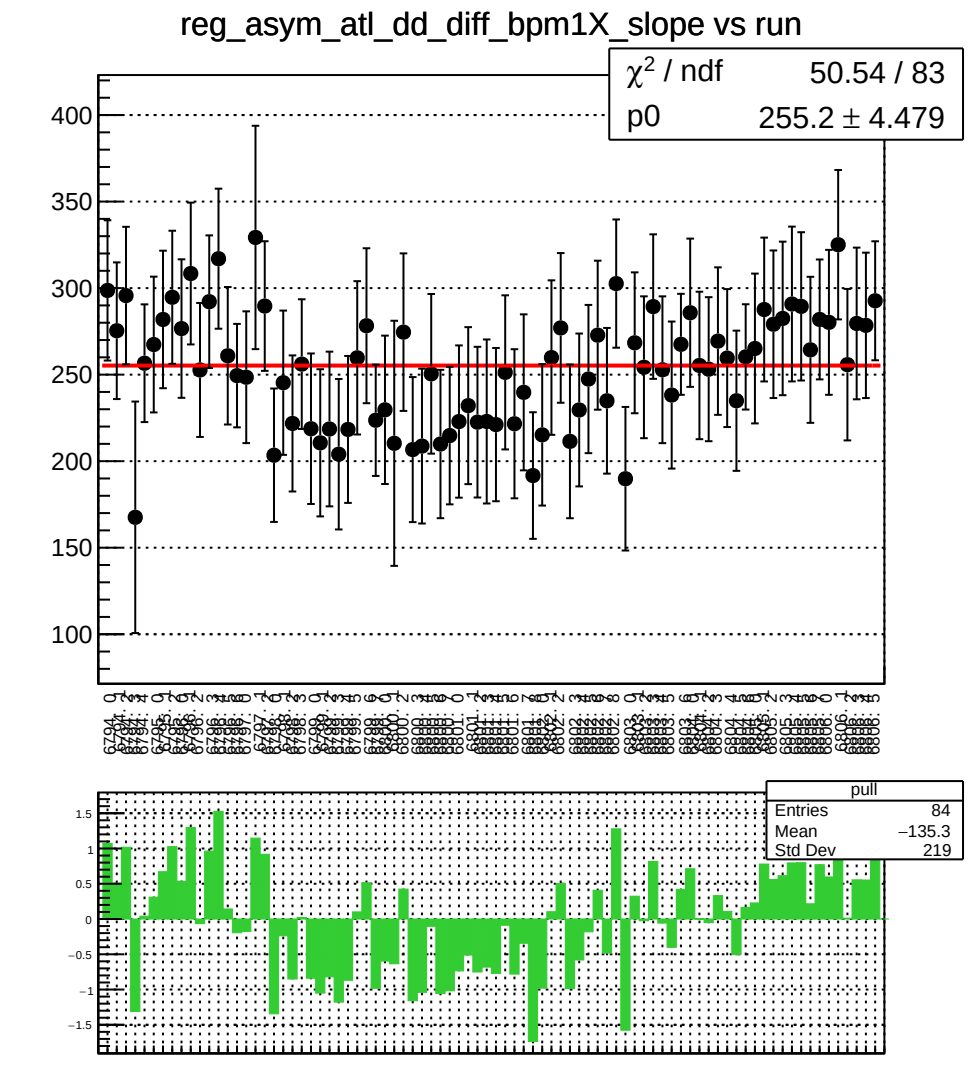

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 19.56 / 83
p0 26.01 ± 2.4
pull
Entries 84
Mean 3178
Std Dev 3149

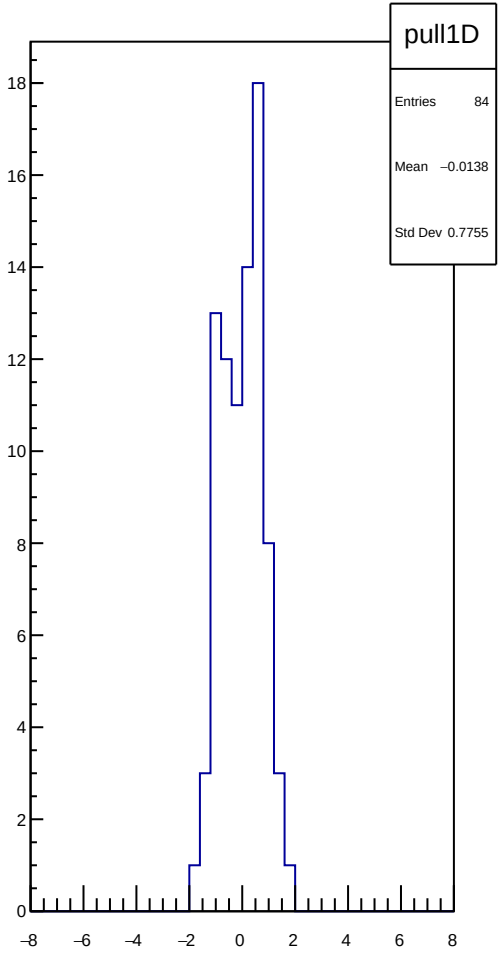

pull1D
Entries 84
Mean 0.001076
Std Dev 0.4825

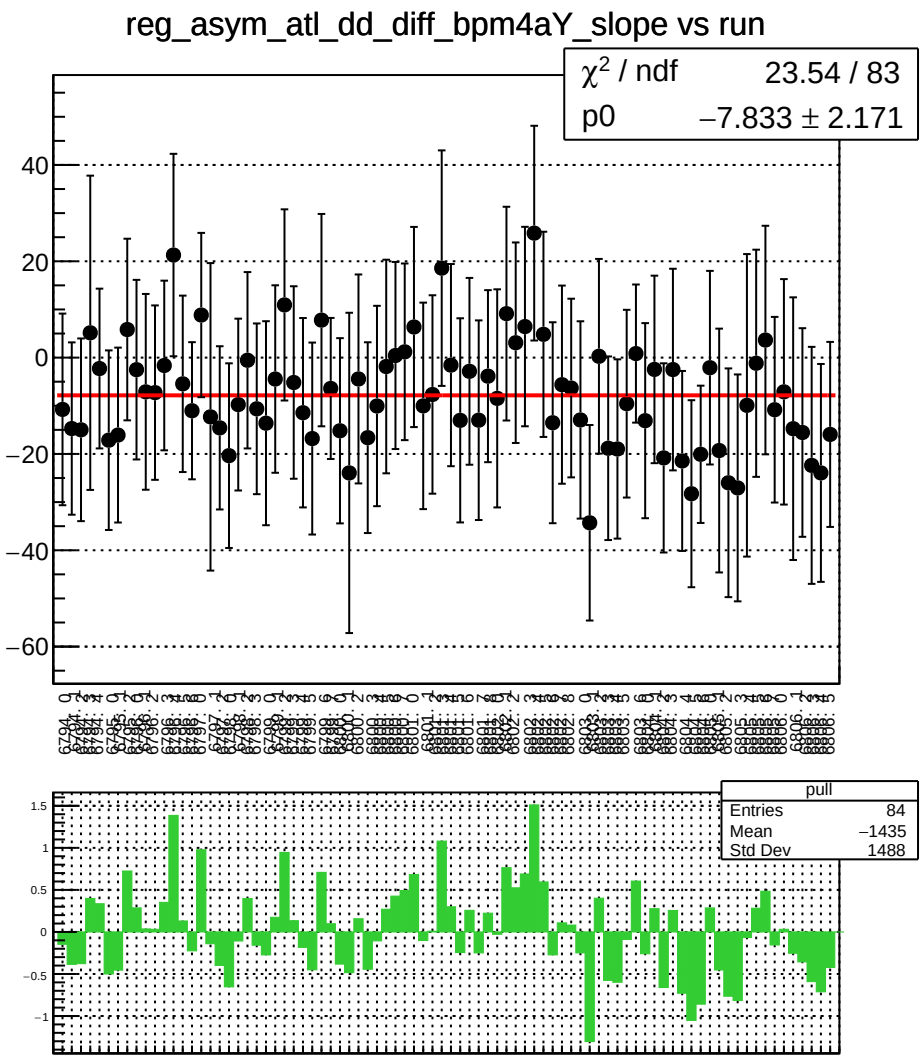

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 27.92 / 83
p0 252.1 ± 4.643
pull
Entries 84
Mean −230
Std Dev 290.9
pull1D
Entries 84
Mean −0.0104
Std Dev 0.5765

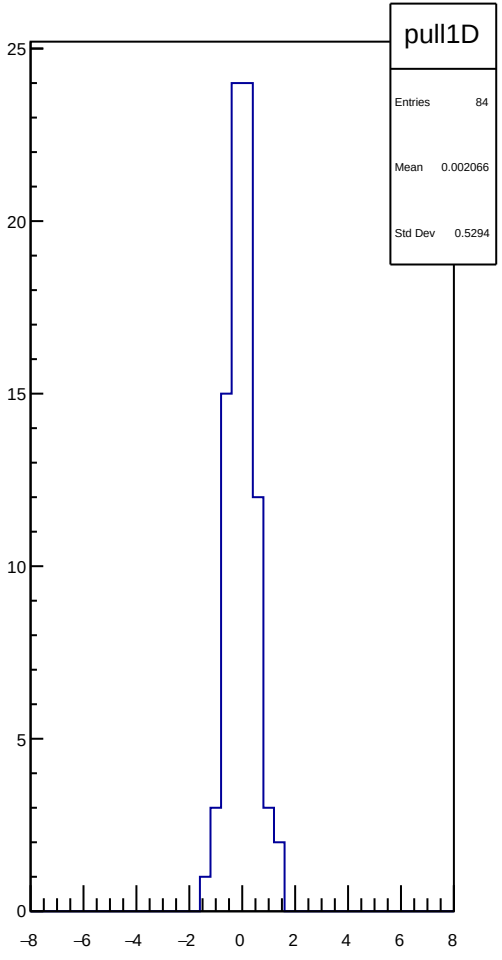

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 19.75 / 83
p0 32.81 ± 3.359
pull
Entries 84
Mean 654.6
Std Dev 625.9
pull1D
Entries 84
Mean −0.005467
Std Dev 0.4849

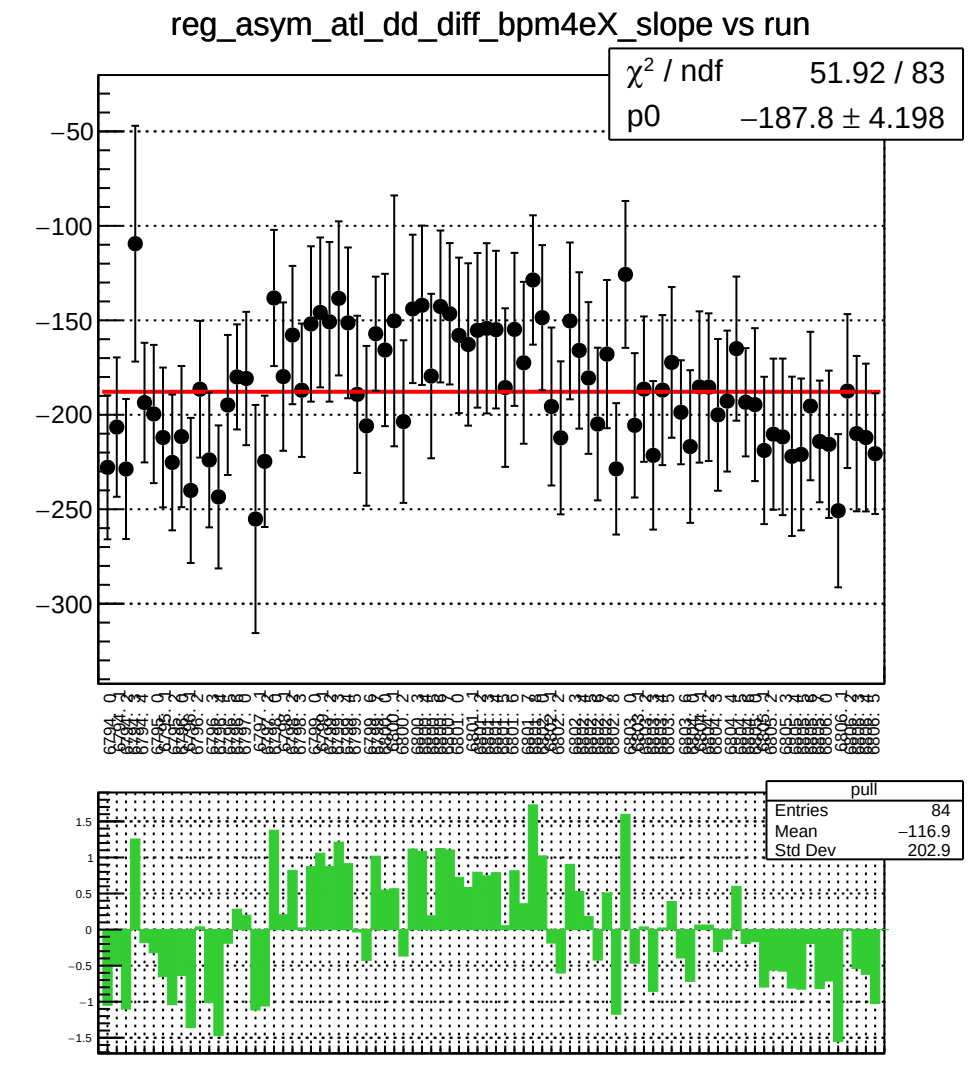

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 79.37 / 83
p0 −154.1± 0.199
pull
Entries 84
Mean 3190
Std Dev 3153
pull1D
Entries 84
Mean 0.001877
Std Dev 0.9721

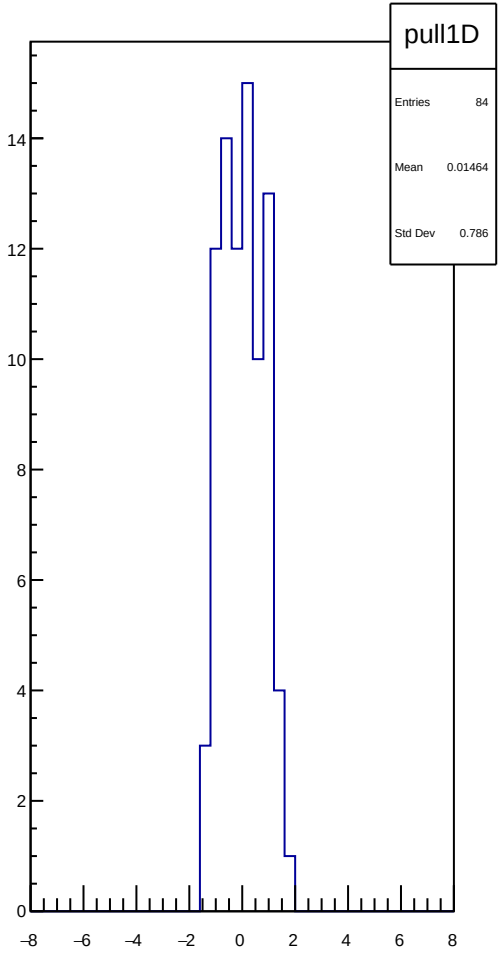

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 50.54 / 83
p0 255.2 ± 4.479
pull
Entries 84
Mean −135.3
Std Dev 219

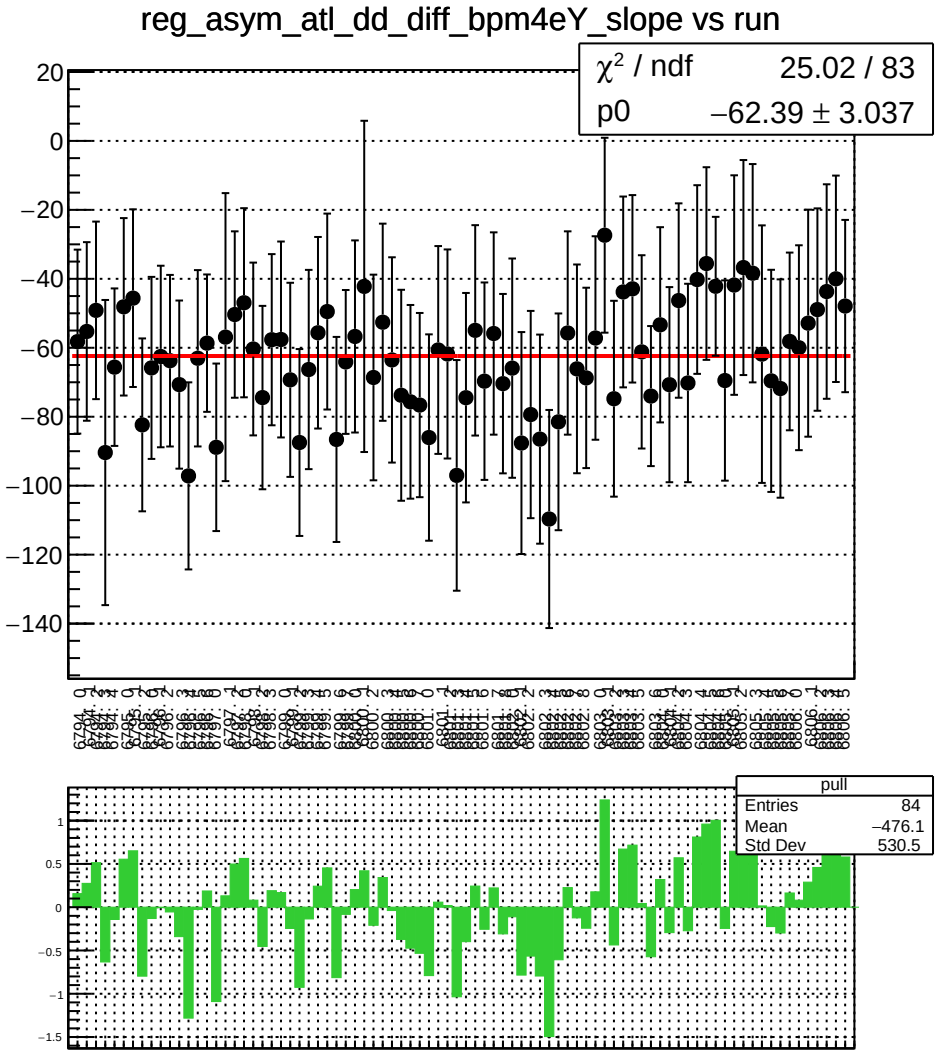

pull1D
Entries 84
Mean −0.0138
Std Dev 0.7755

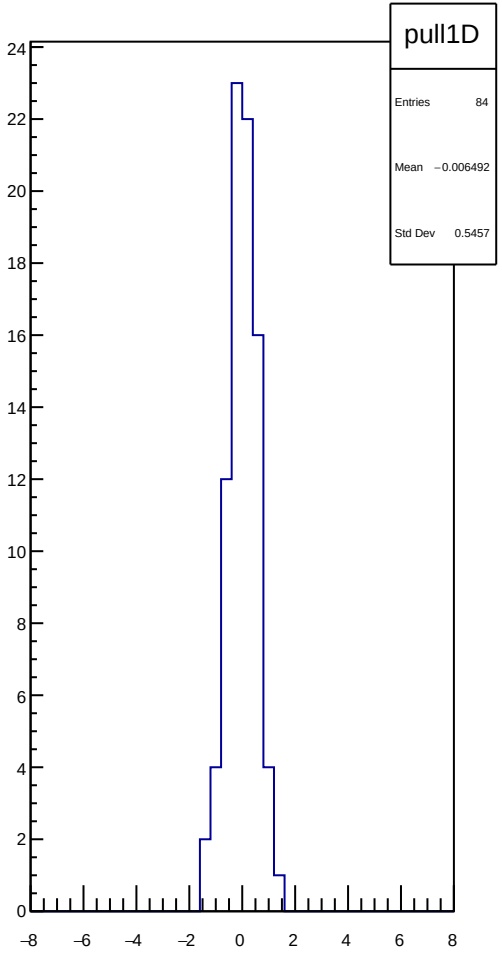

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 23.54 / 83
p0 −7.833 ± 2.171
pull
Entries 84
Mean −1435
Std Dev 1488

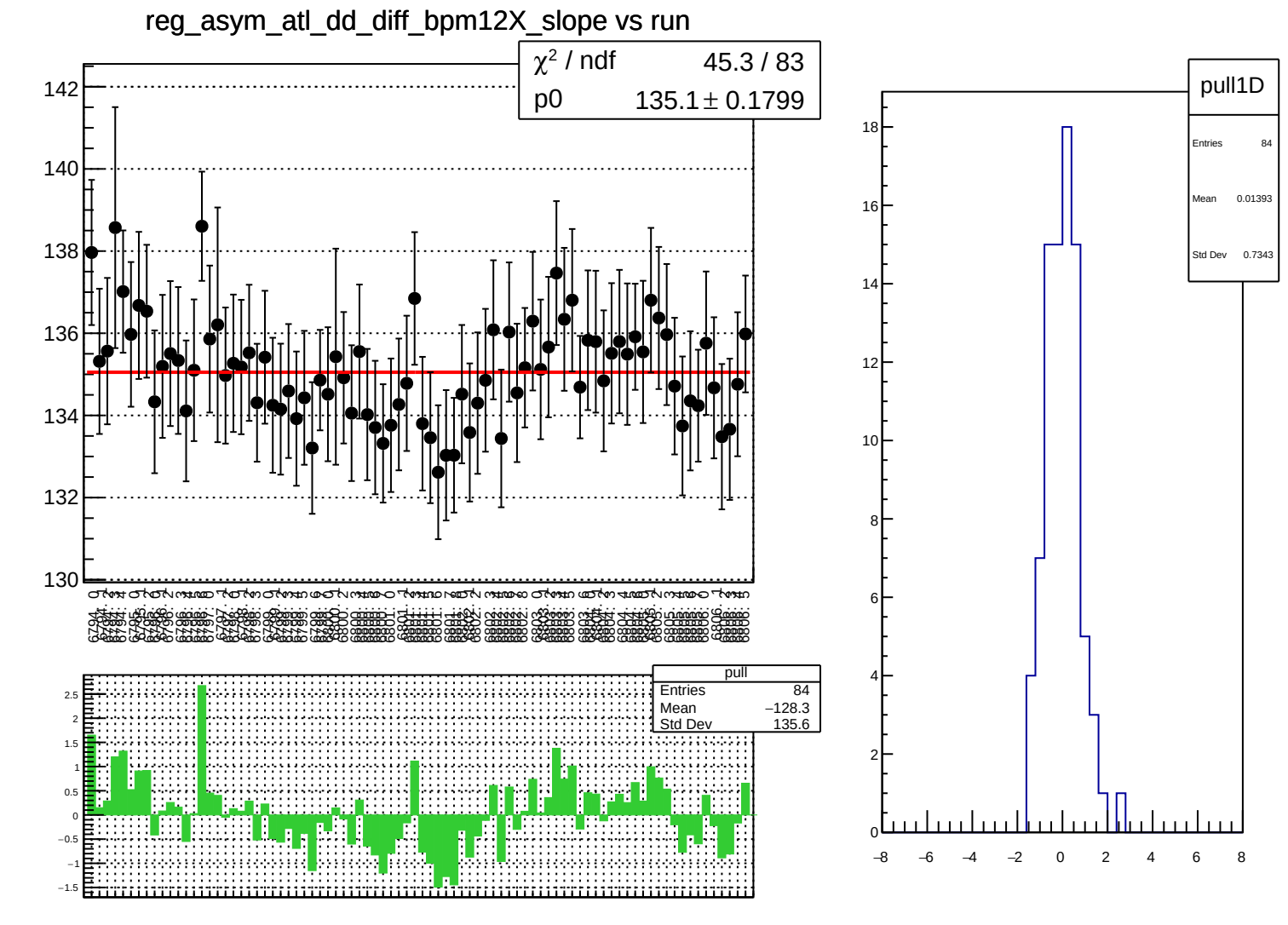

pull1D
Entries 84
Mean 0.002066
Std Dev 0.5294

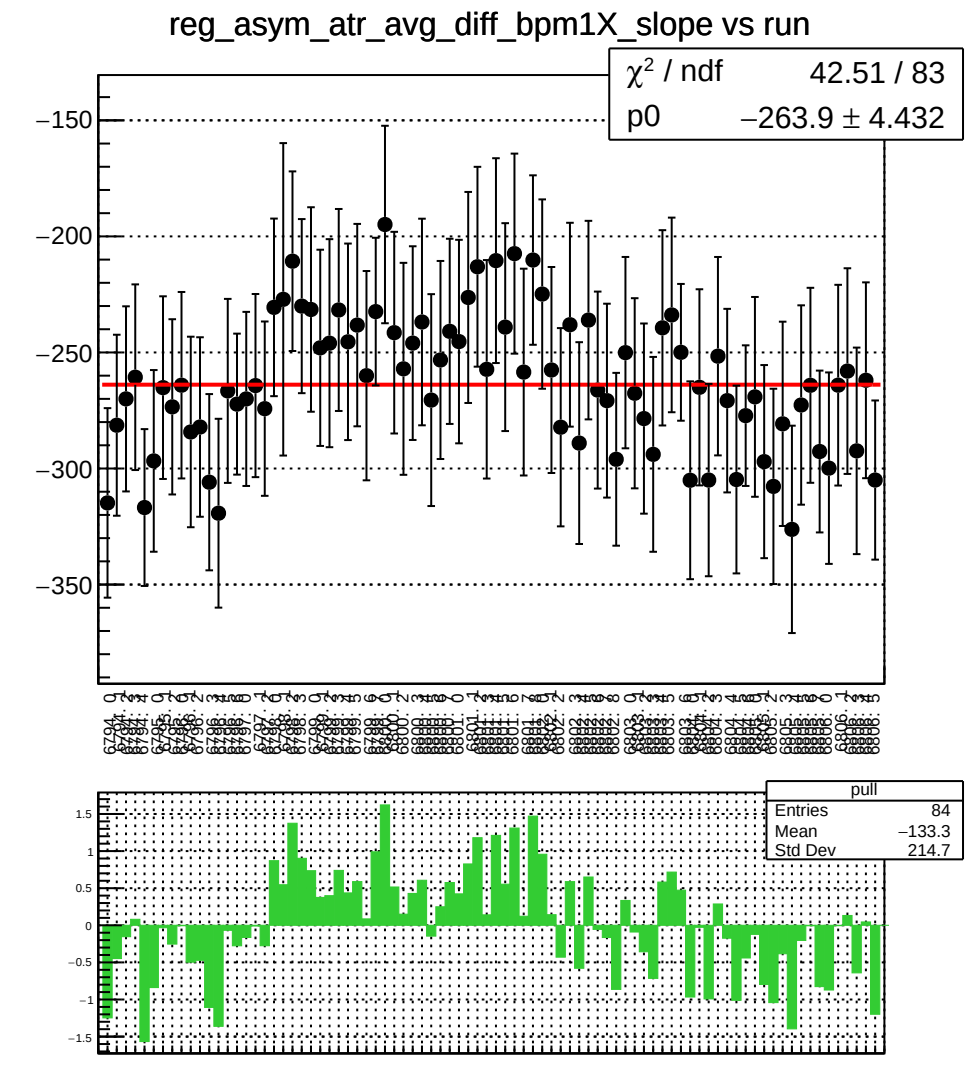

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 51.92 / 83
p0 −187.8 ± 4.198
pull
Entries 84
Mean −116.9
Std Dev 202.9

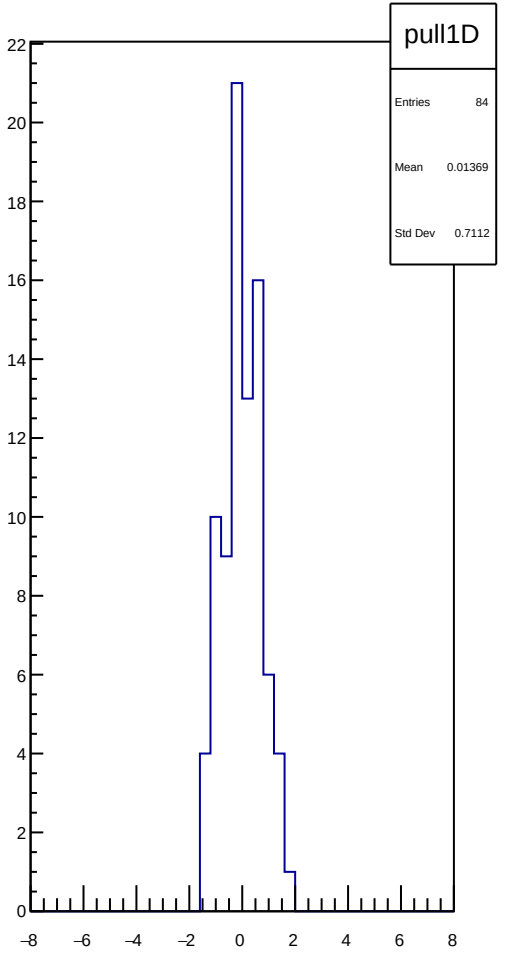

pull1D
Entries 84
Mean 0.01464
Std Dev 0.786

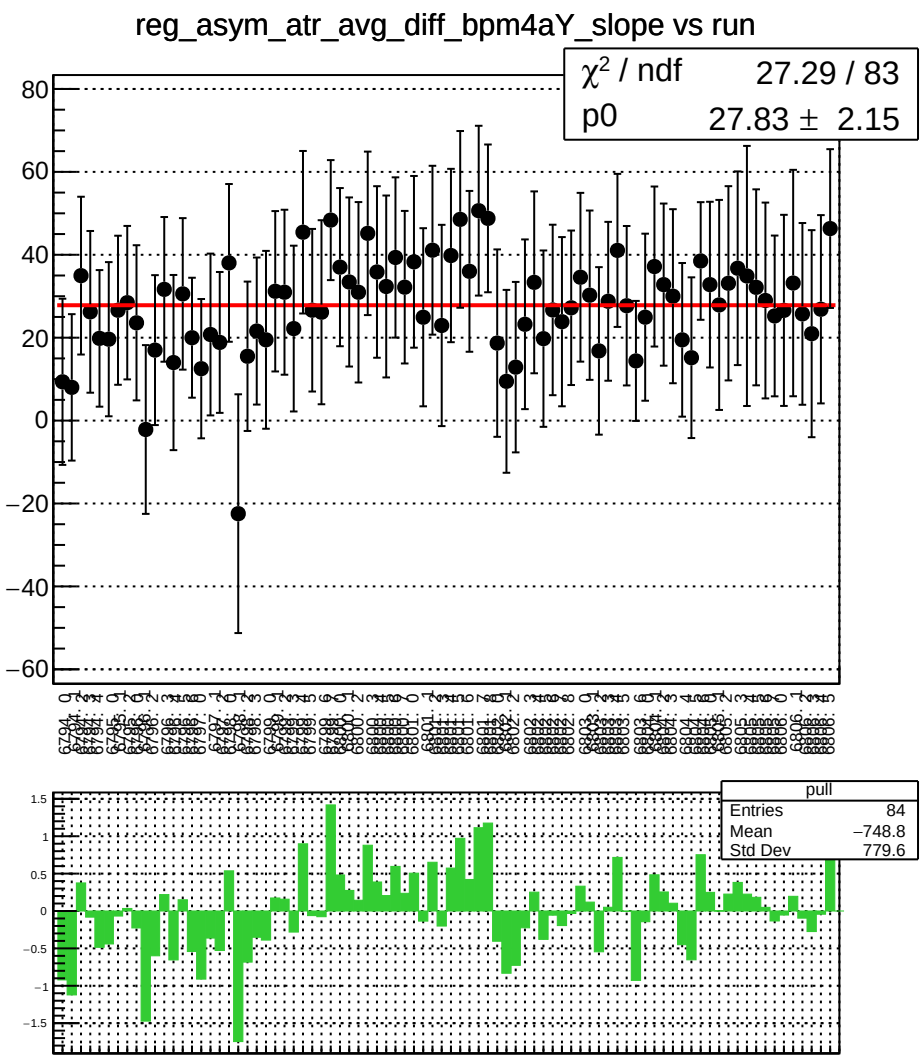

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 25.02 / 83
p0 −62.39 ± 3.037
pull
Entries 84
Mean −476.1
Std Dev 530.5

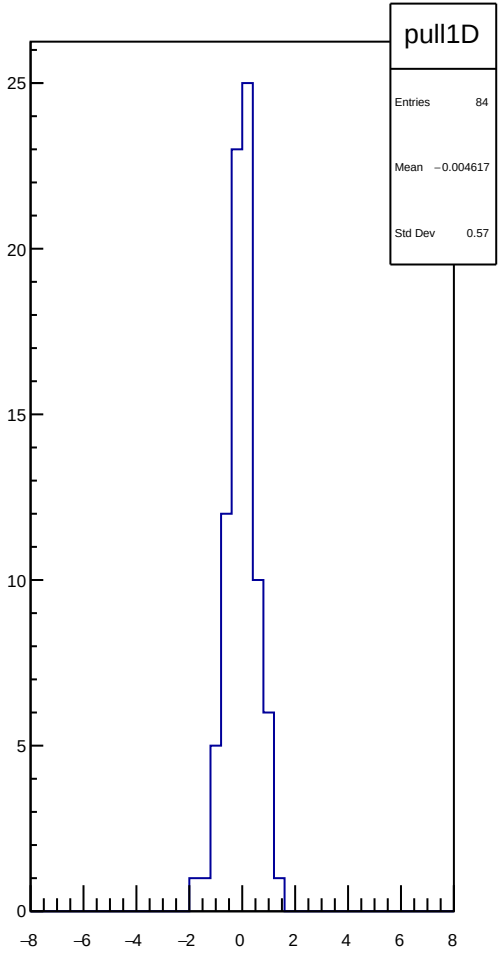

pull1D
Entries 84
Mean −0.006492
Std Dev 0.5457

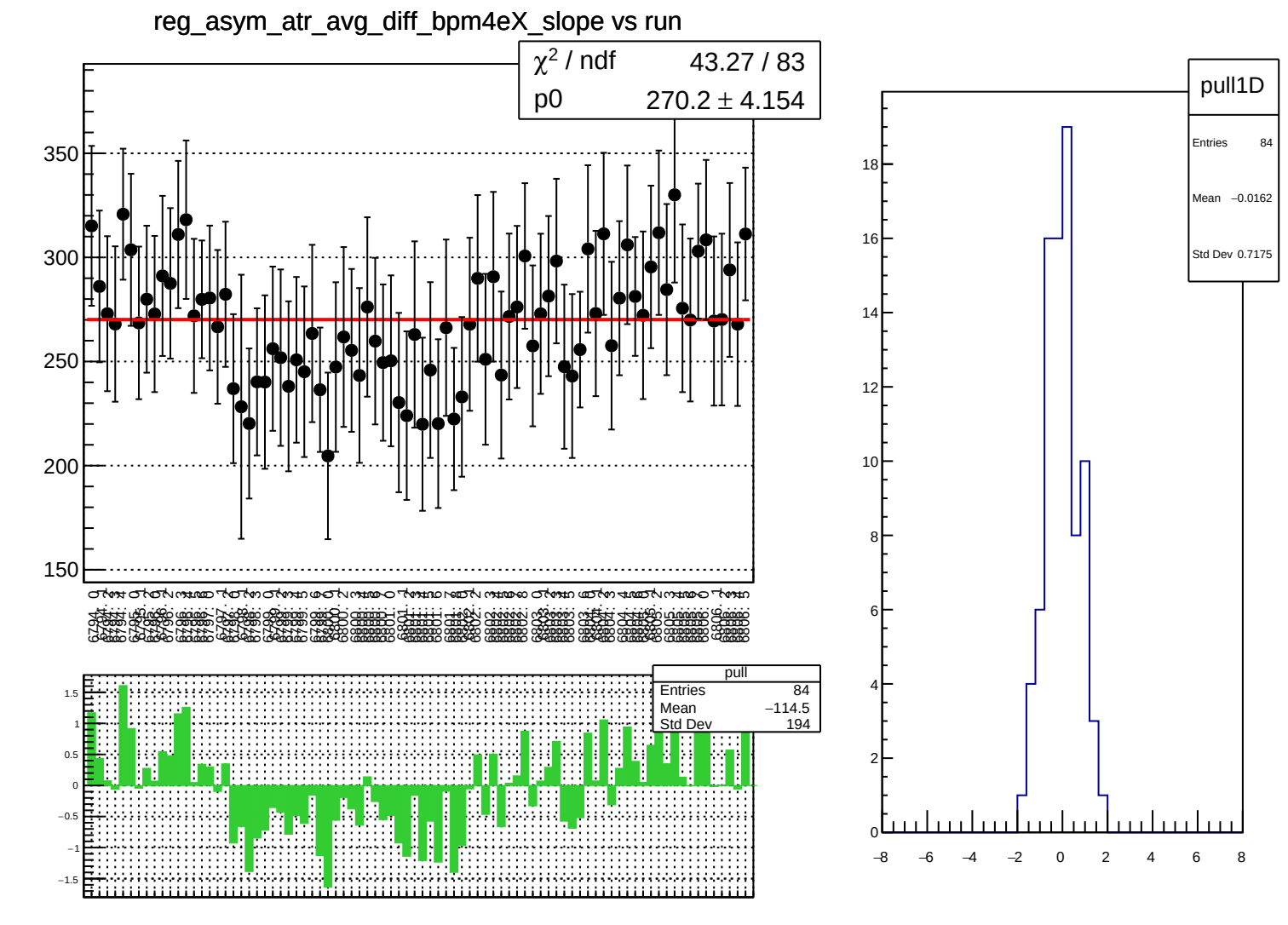

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 45.3 / 83
p0 135.1 ± 0.1799
142
140
138
136
134
132
130
pull
Entries 84
Mean −128.3
Std Dev 135.6
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 84
Mean 0.01393
Std Dev 0.7343
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

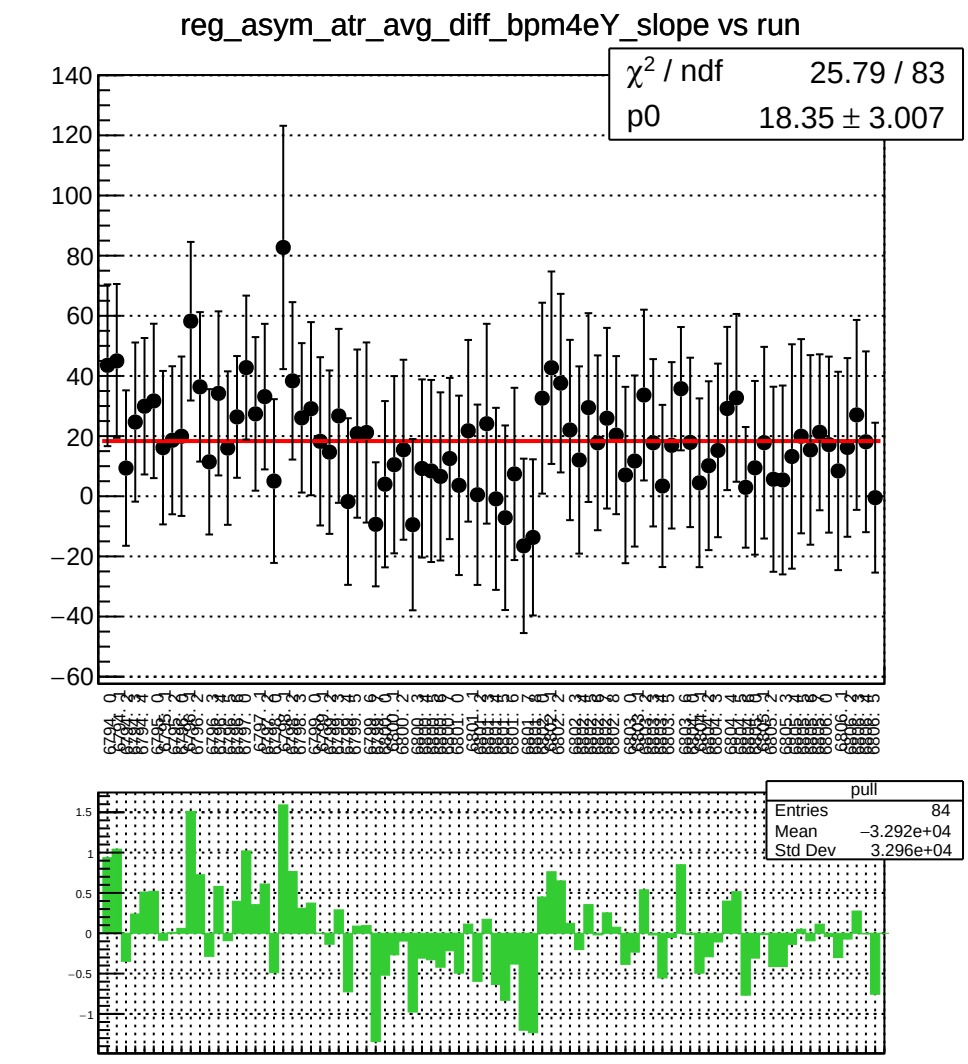

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 42.51 / 83
p0 −263.9 ± 4.432
−150
−200
−250
−300
−350
pull
Entries 84
Mean −133.3
Std Dev 214.7
1.5
1
0.5
0
−0.5
−1
−1.5

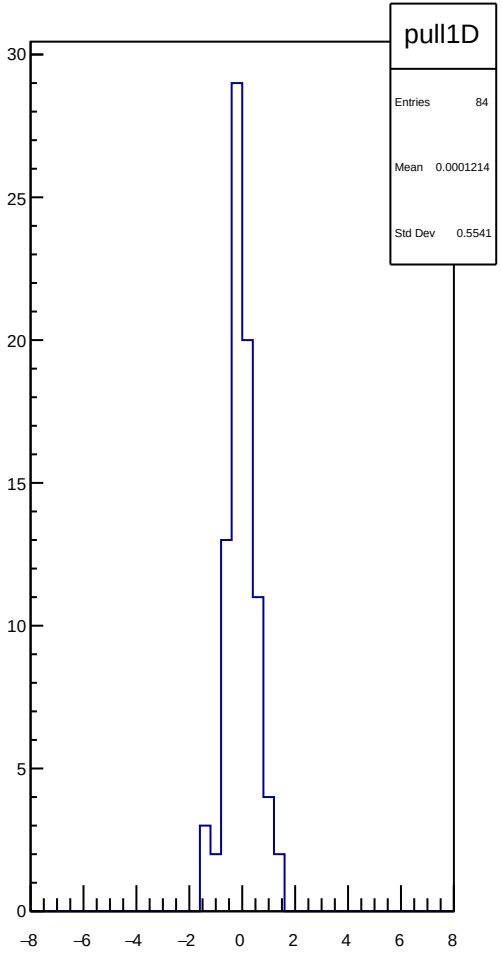

pull1D
Entries 84
Mean 0.01369
Std Dev 0.7112
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

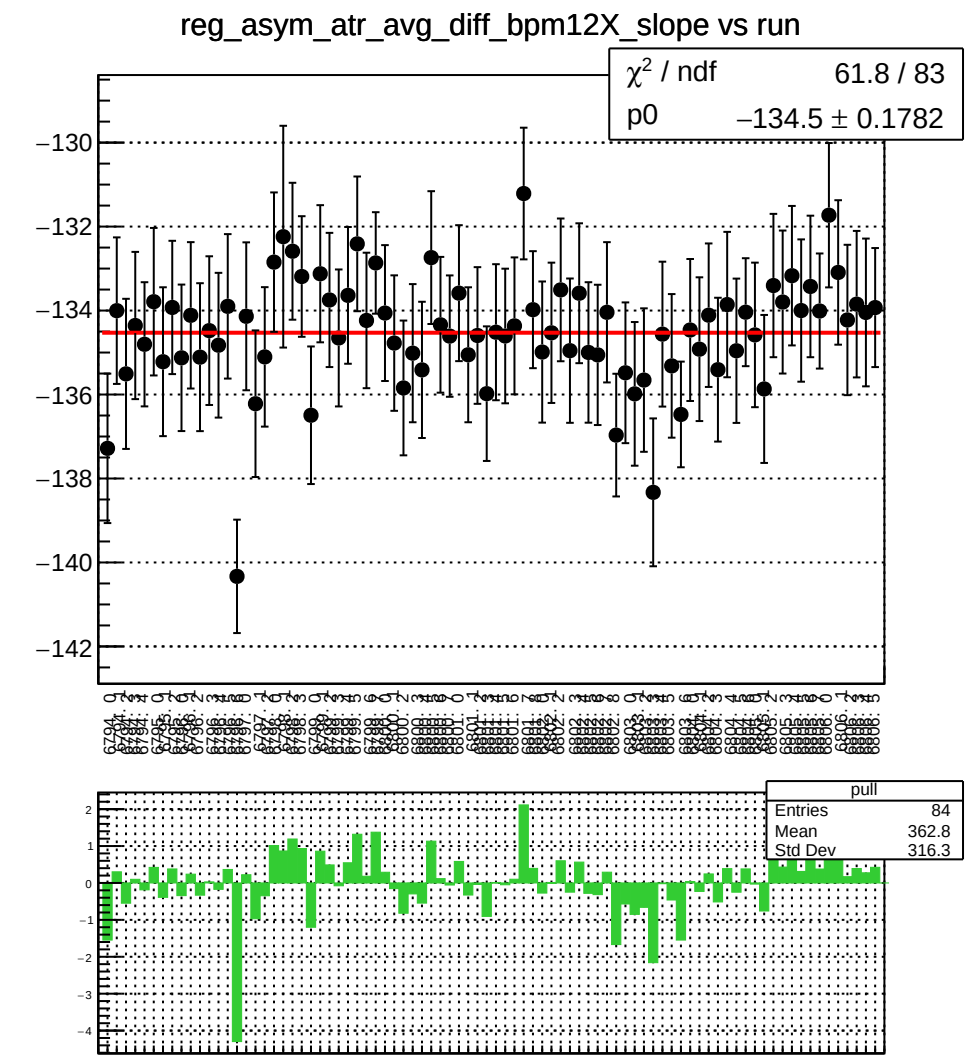

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 27.29 / 83
p0 27.83 ± 2.15
pull
Entries 84
Mean −748.8
Std Dev 779.6

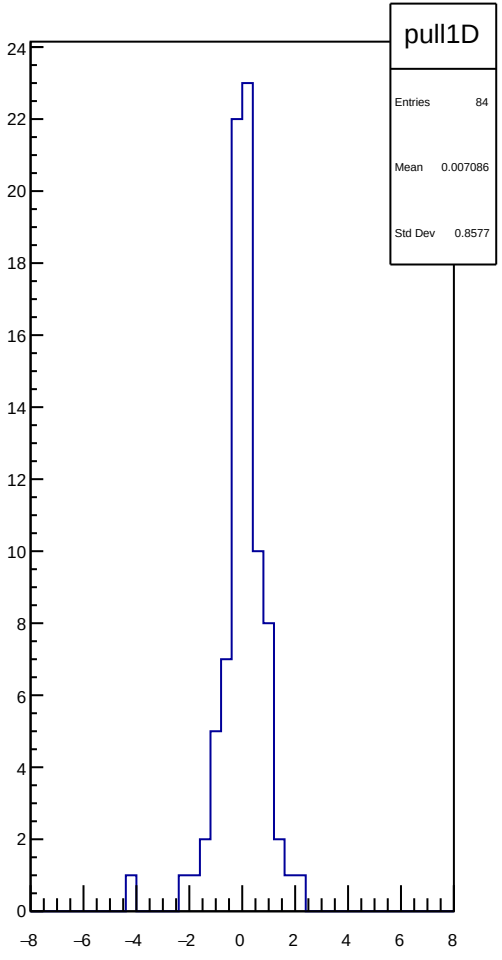

pull1D
Entries 84
Mean −0.004617
Std Dev 0.57

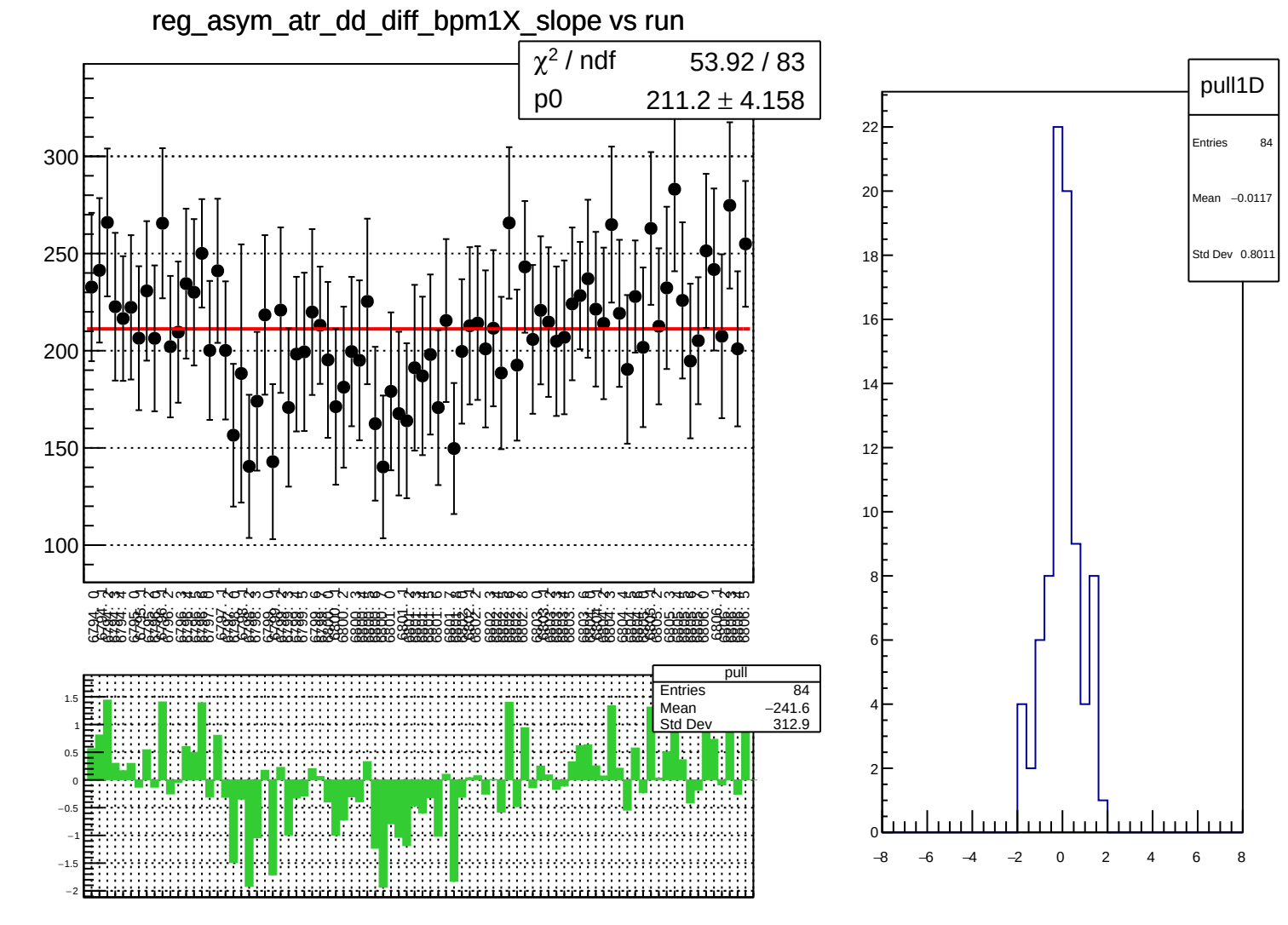

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 43.27 / 83
p0 270.2 ± 4.154
350
300
250
200
150
pull
Entries 84
Mean −114.5
Std Dev 194
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 84
Mean −0.0162
Std Dev 0.7175
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

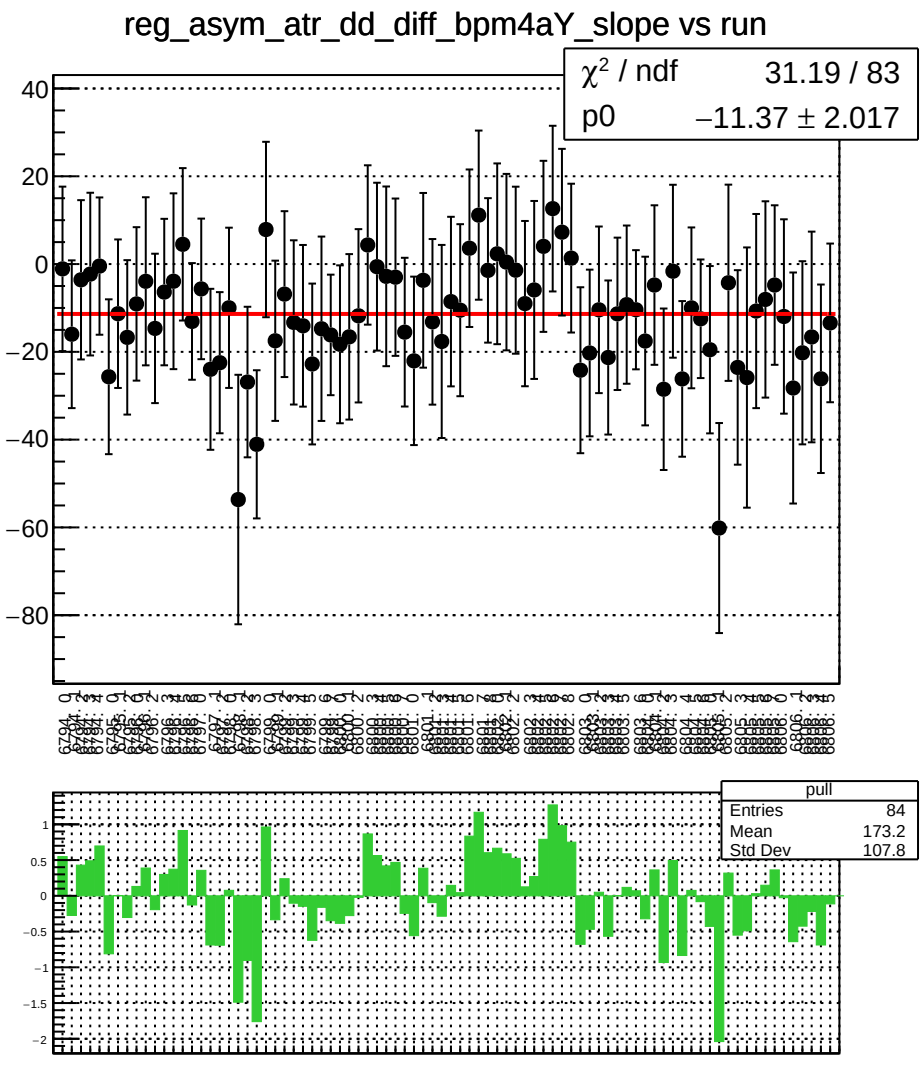

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 25.79 / 83
p0 18.35 ± 3.007
pull
Entries 84
Mean −3.292e+04
Std Dev 3.296e+04

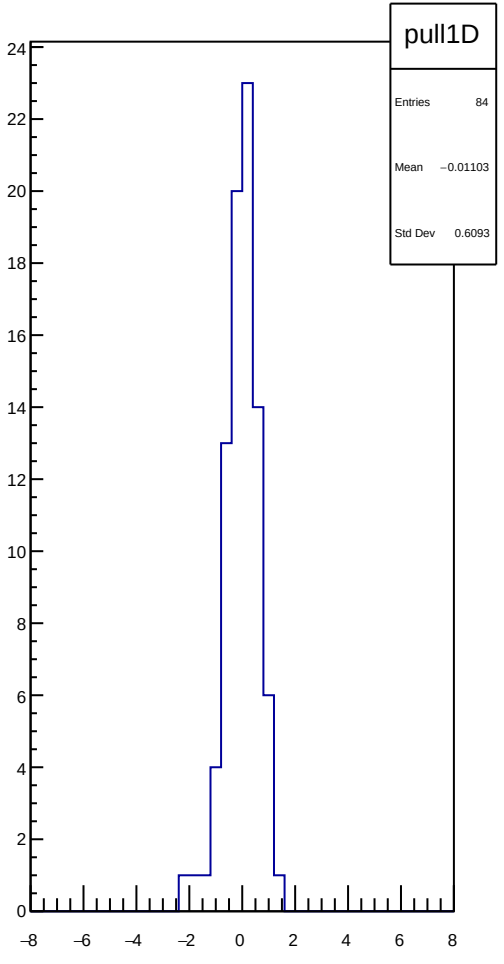

pull1D
Entries 84
Mean 0.0001214
Std Dev 0.5541

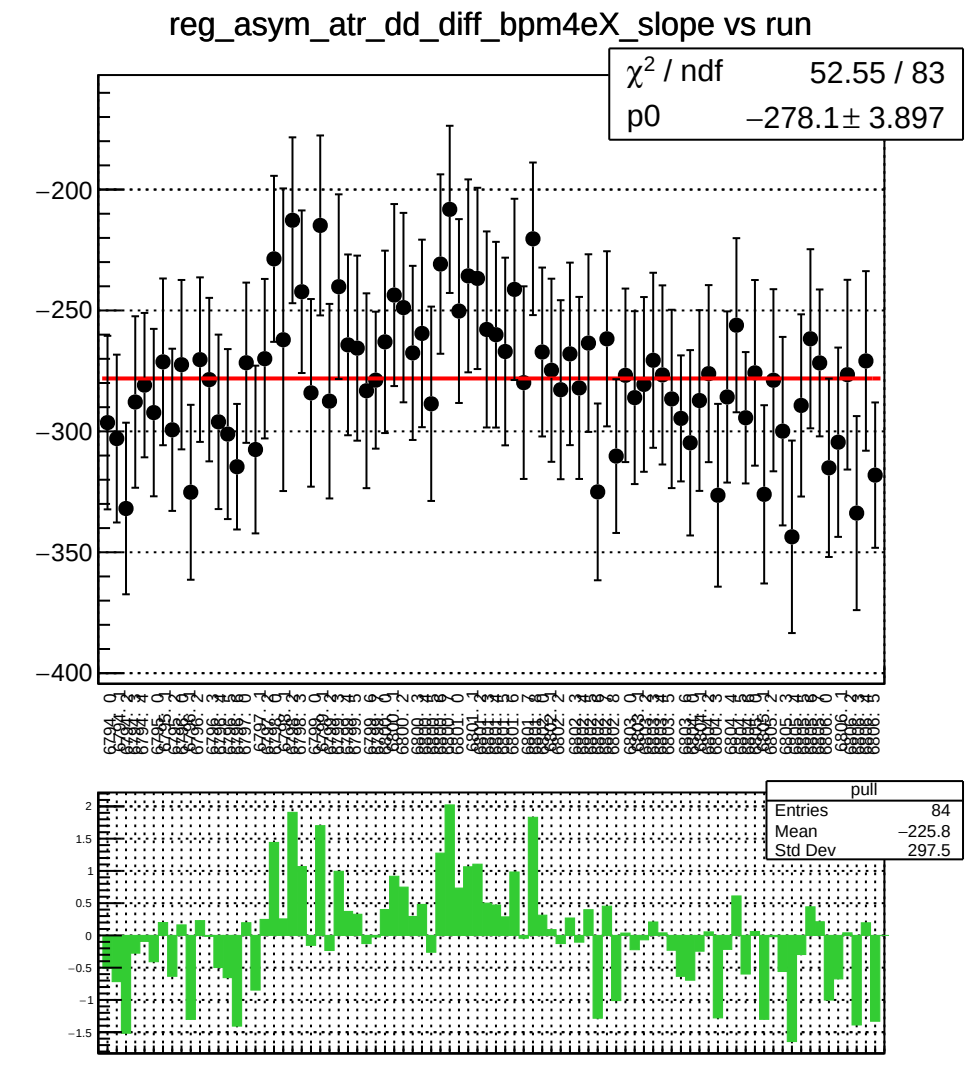

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 61.8 / 83
p0 −134.5 ± 0.1782
pull
Entries 84
Mean 362.8
Std Dev 316.3

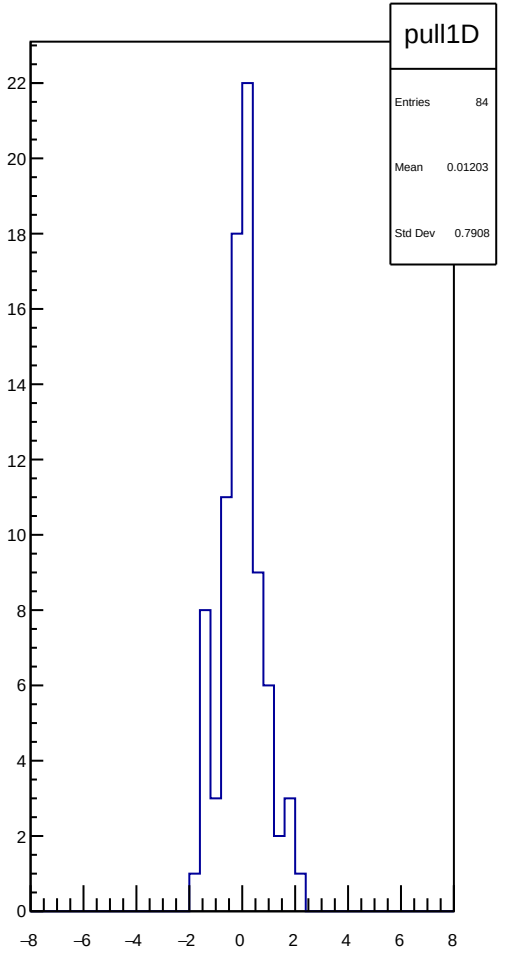

pull1D
Entries 84
Mean 0.007086
Std Dev 0.8577

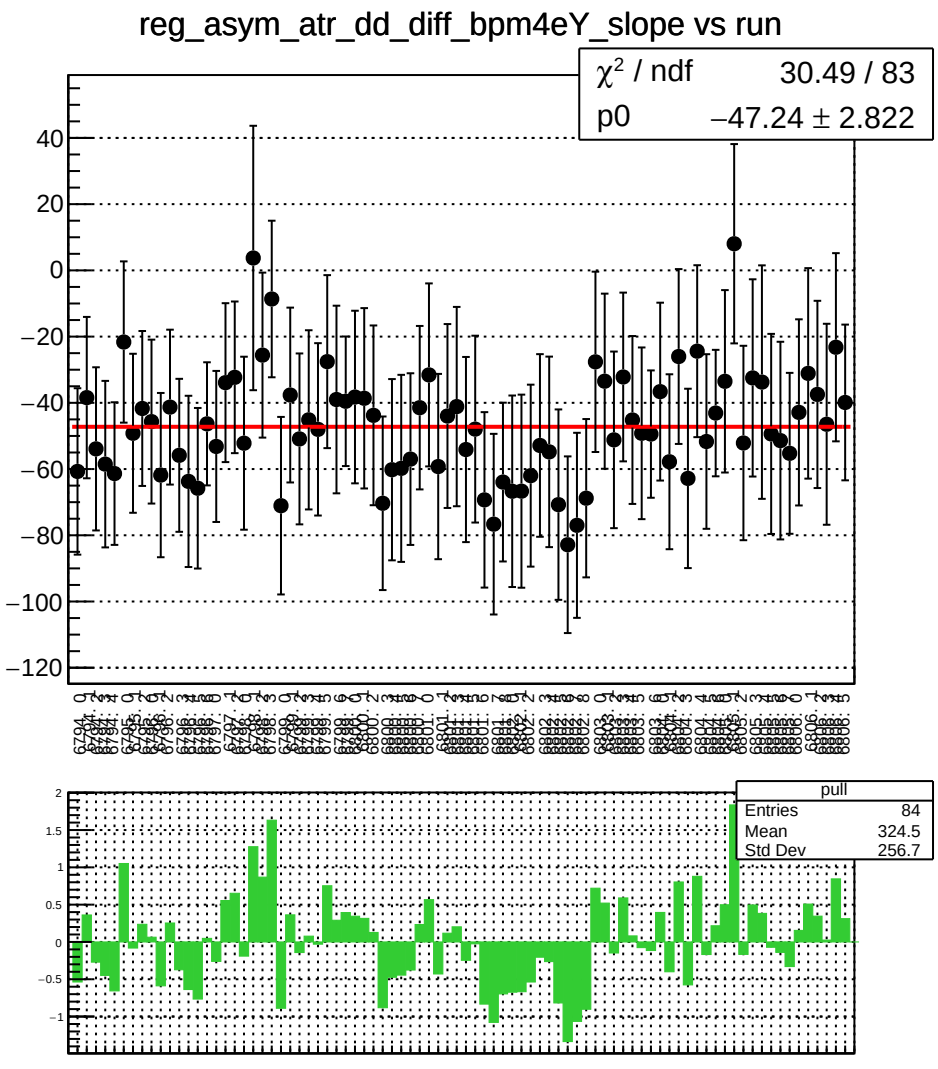

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 53.92 / 83
p0 211.2 ± 4.158
300
250
200
150
100
pull
Entries 84
Mean −241.6
Std Dev 312.9
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 84
Mean −0.0117
Std Dev 0.8011
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

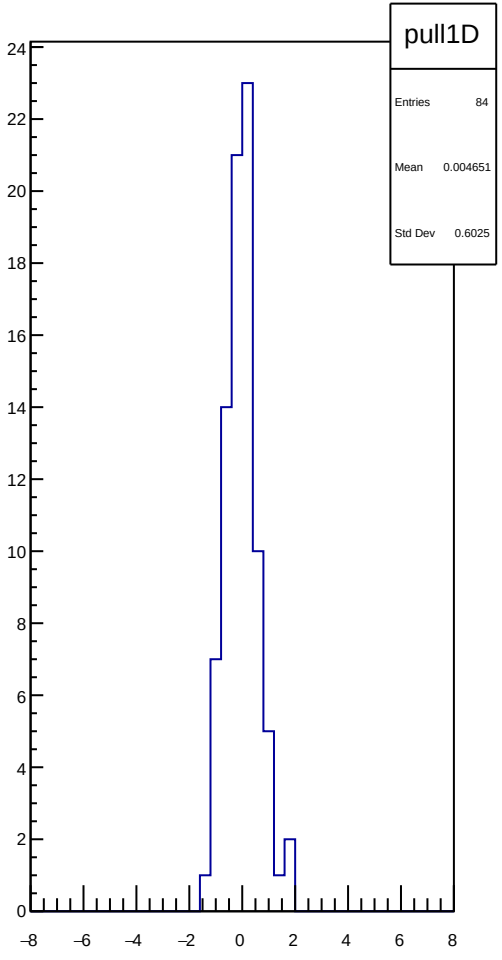

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 31.19 / 83
p0 −11.37 ± 2.017
pull
Entries 84
Mean 173.2
Std Dev 107.8

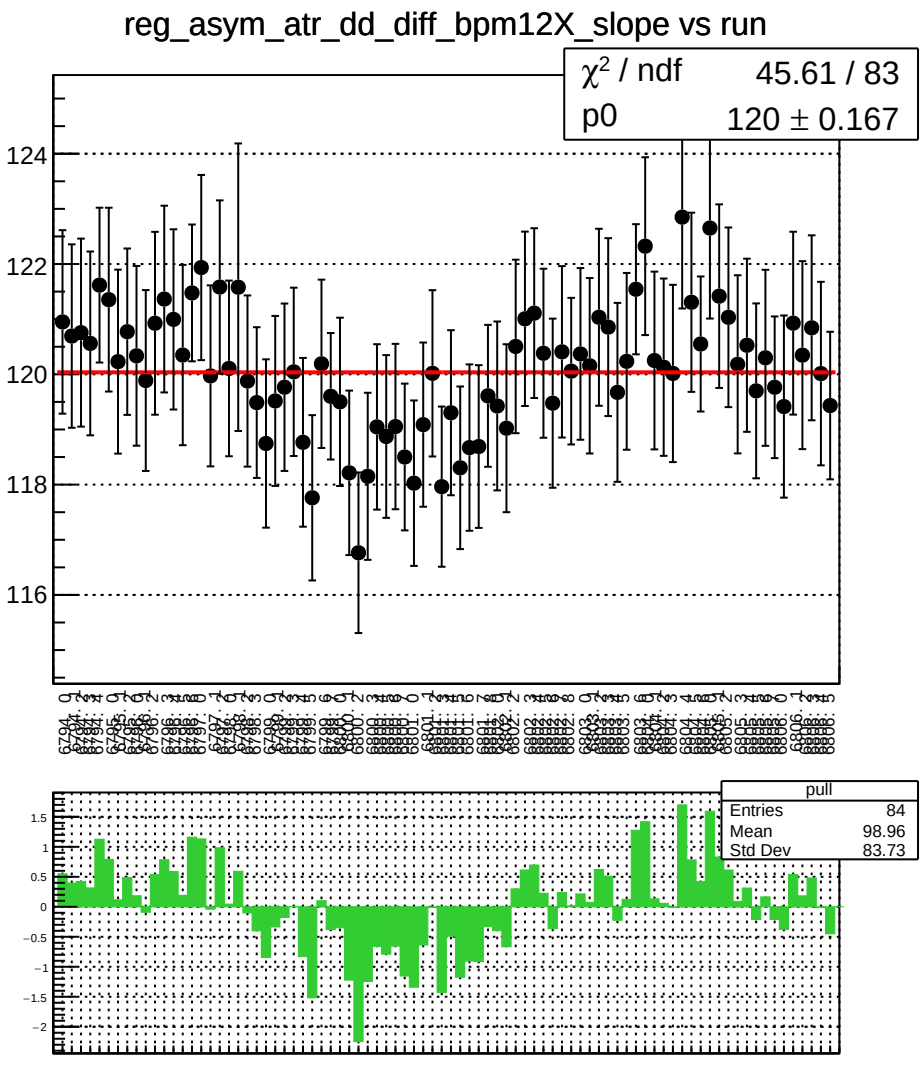

pull1D
Entries 84
Mean −0.01103
Std Dev 0.6093

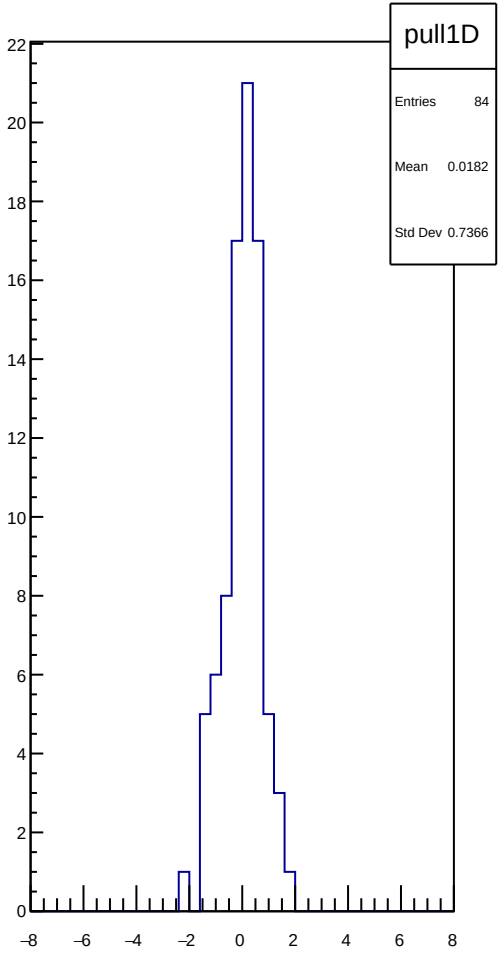

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 52.55 / 83
p0 −278.1± 3.897
pull
Entries 84
Mean −225.8
Std Dev 297.5

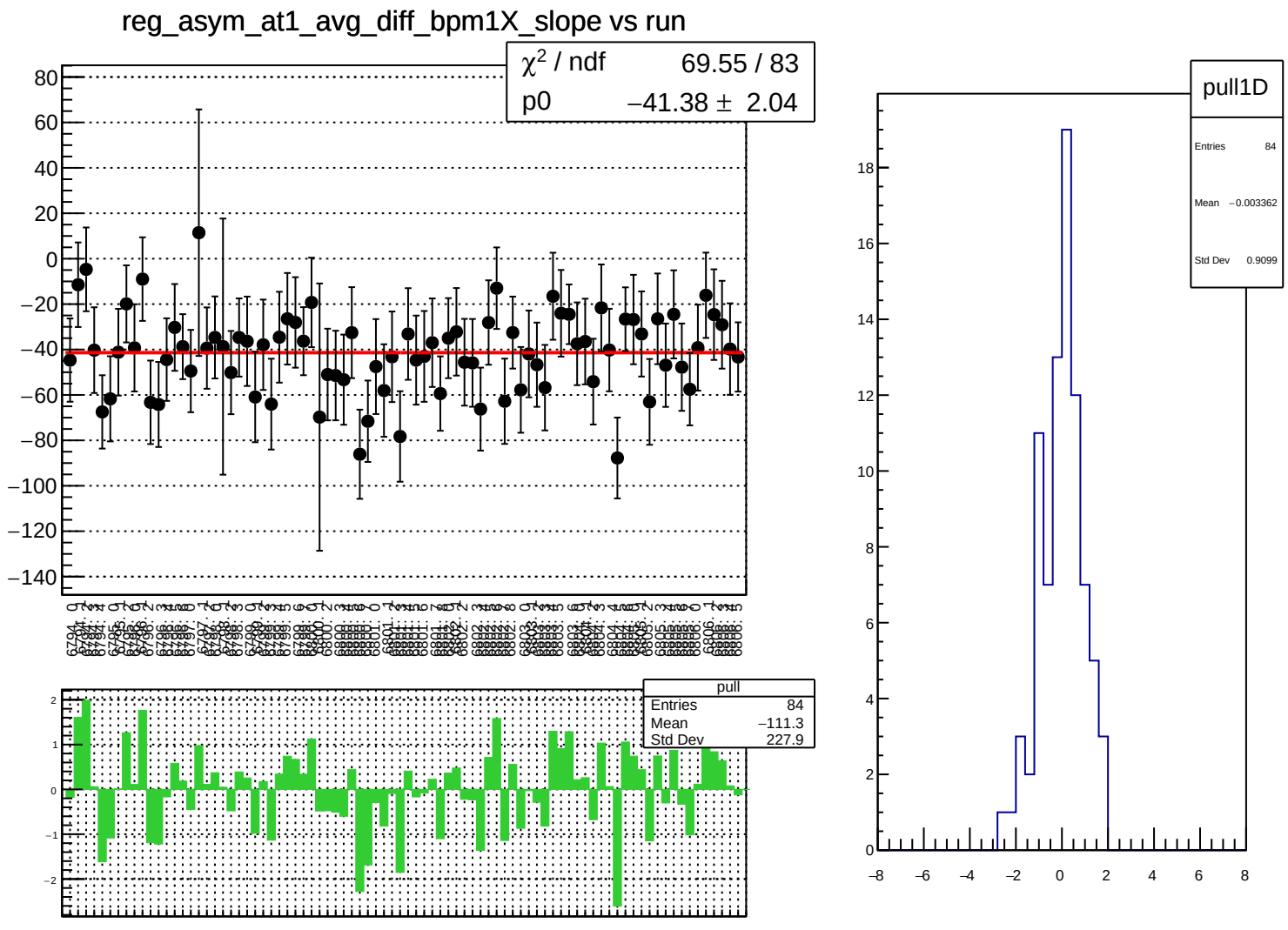

pull1D
Entries 84
Mean 0.01203
Std Dev 0.7908

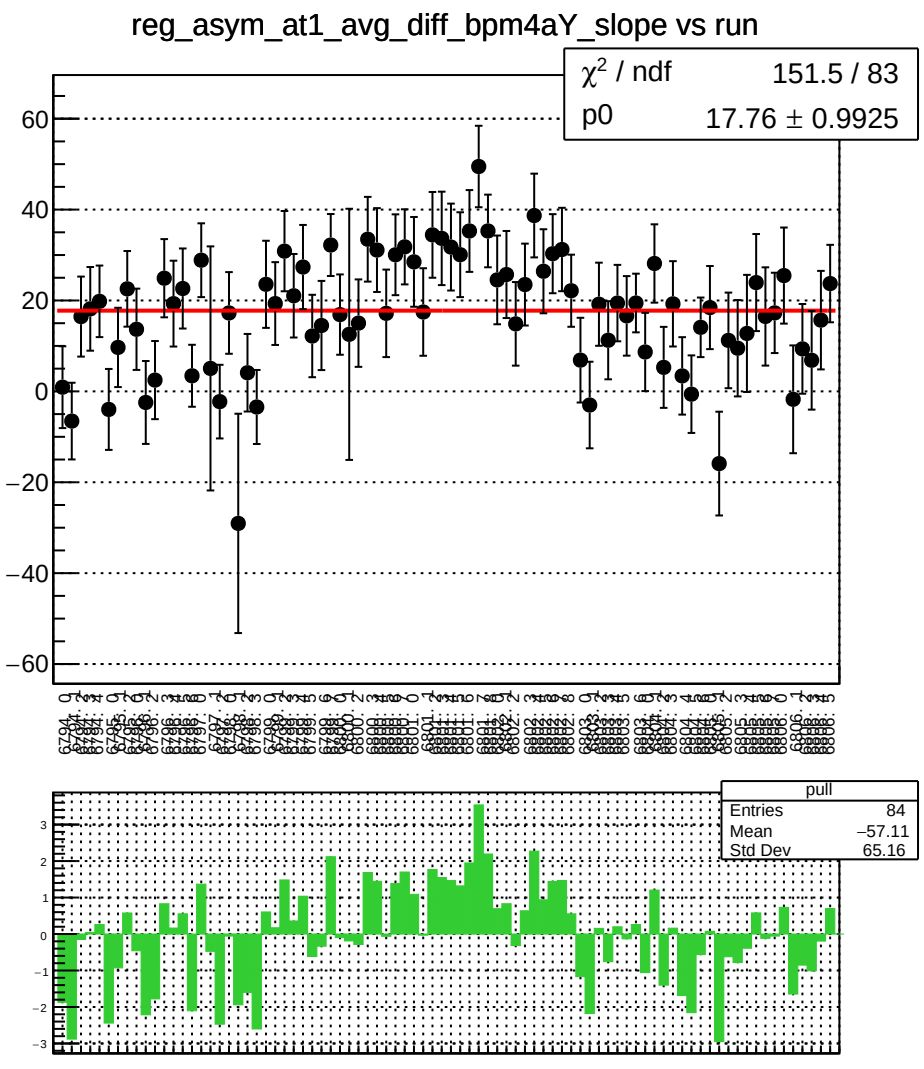

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 30.49 / 83
p0 −47.24 ± 2.822
pull
Entries 84
Mean 324.5
Std Dev 256.7

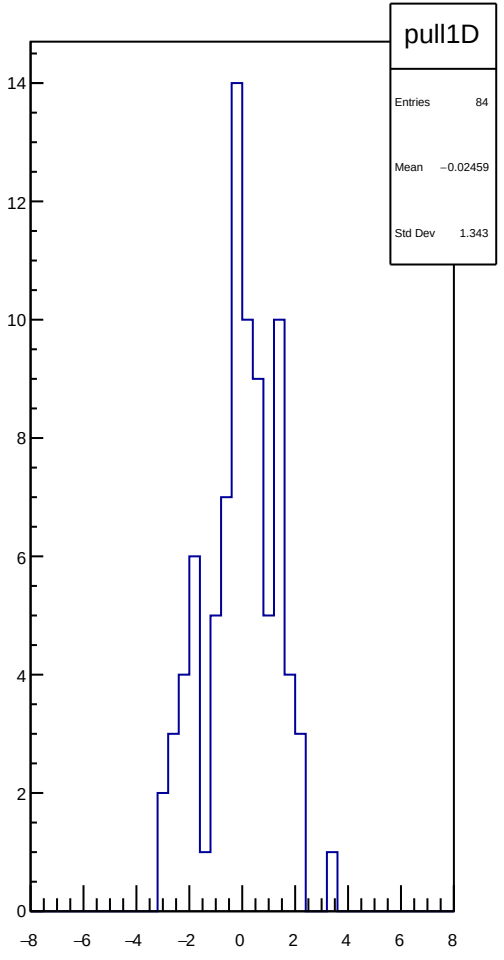

pull1D
Entries 84
Mean 0.004651
Std Dev 0.6025

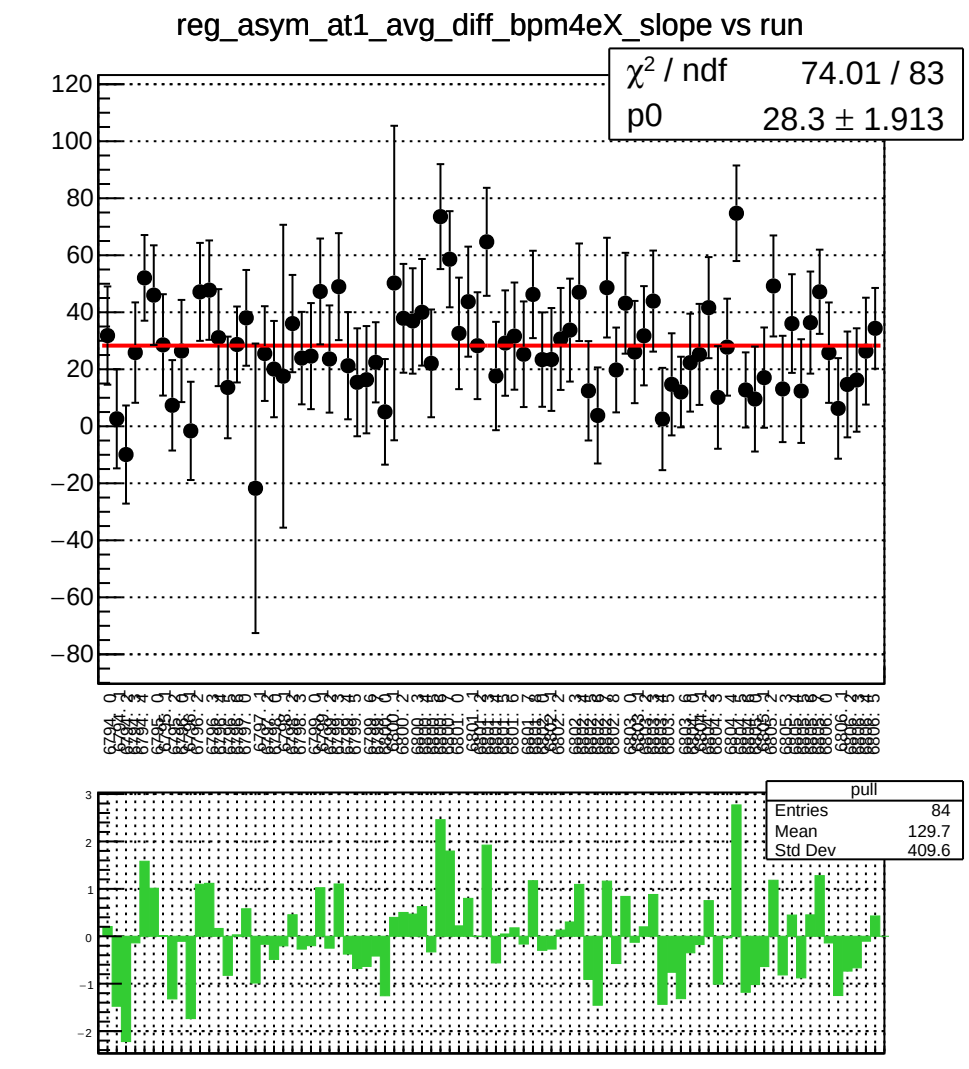

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 45.61 / 83
p0 120 ± 0.167
124
122
120
118
116
pull
Entries 84
Mean 98.96
Std Dev 83.73
1.5
1
0.5
0
−0.5
−1
−1.5
−2

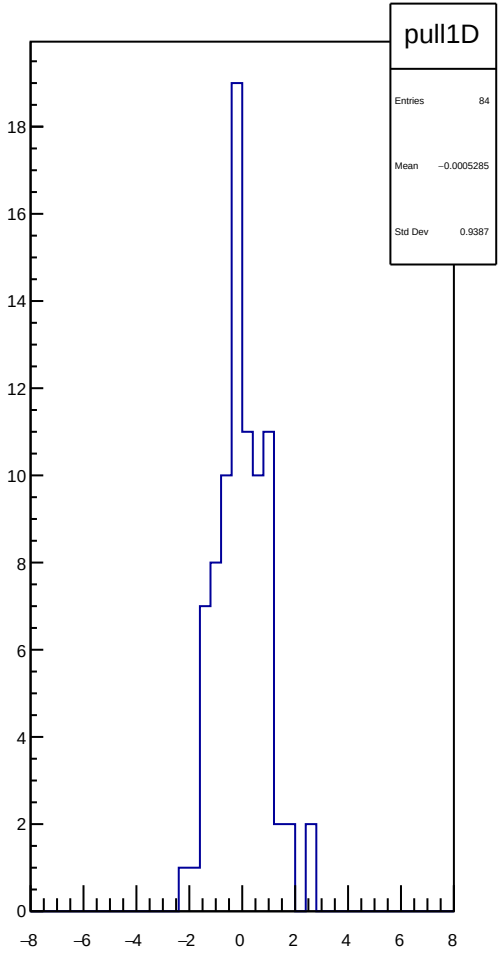

pull1D
Entries 84
Mean 0.0182
Std Dev 0.7366
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

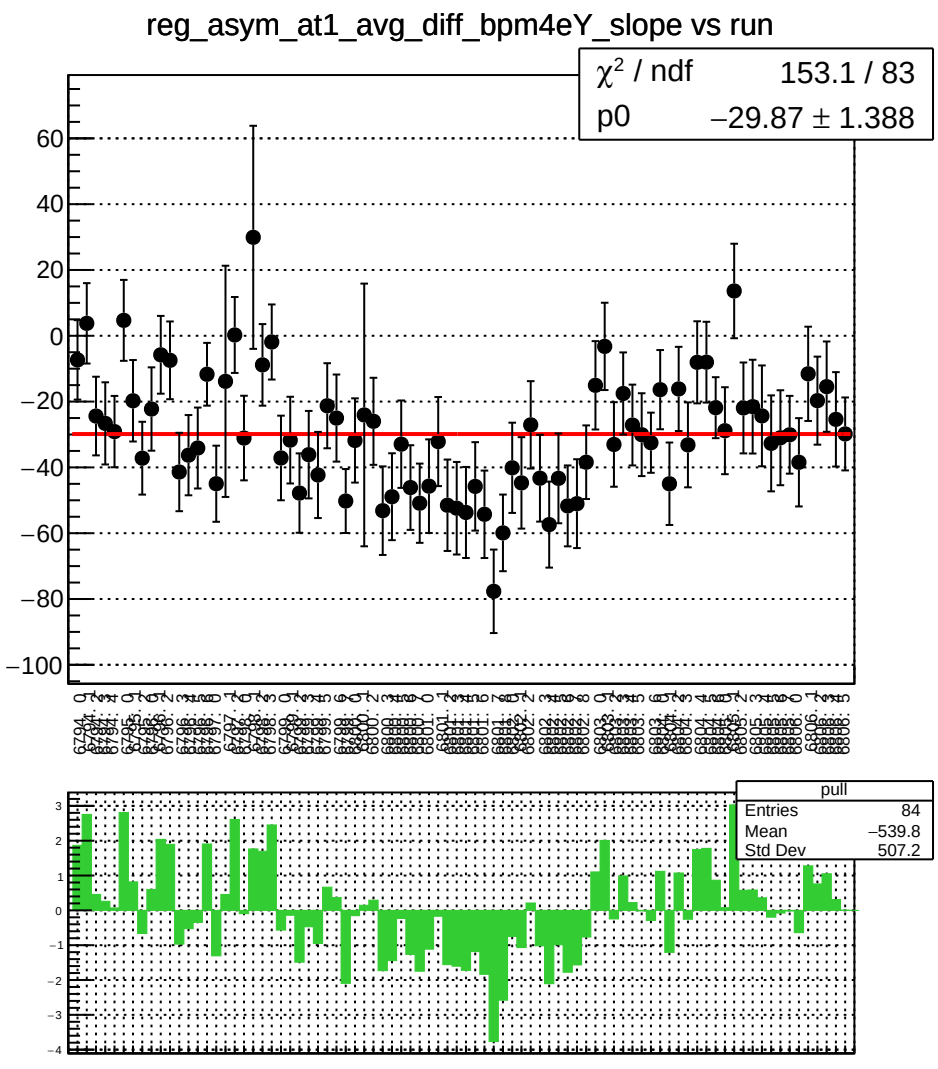

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 69.55 / 83
p0 −41.38 ± 2.04
pull
Entries 84
Mean −111.3
Std Dev 227.9
pull1D
Entries 84
Mean −0.003362
Std Dev 0.9099

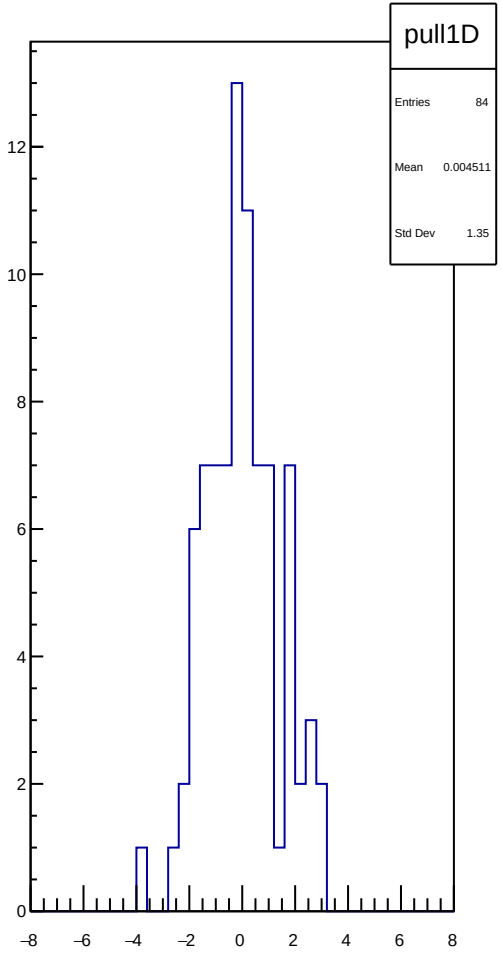

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 151.5 / 83
p0 17.76 ± 0.9925
pull
Entries 84
Mean −57.11
Std Dev 65.16

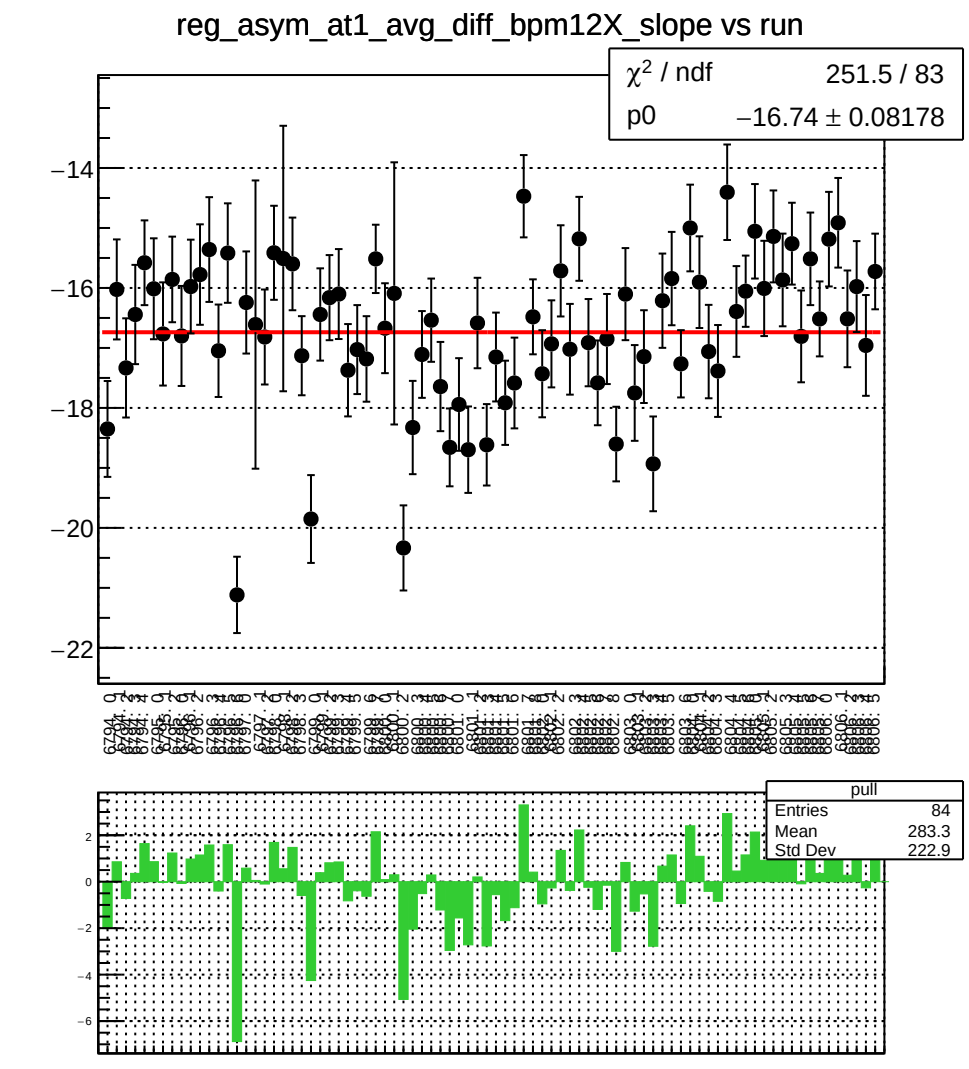

pull1D
Entries 84
Mean −0.02459
Std Dev 1.343

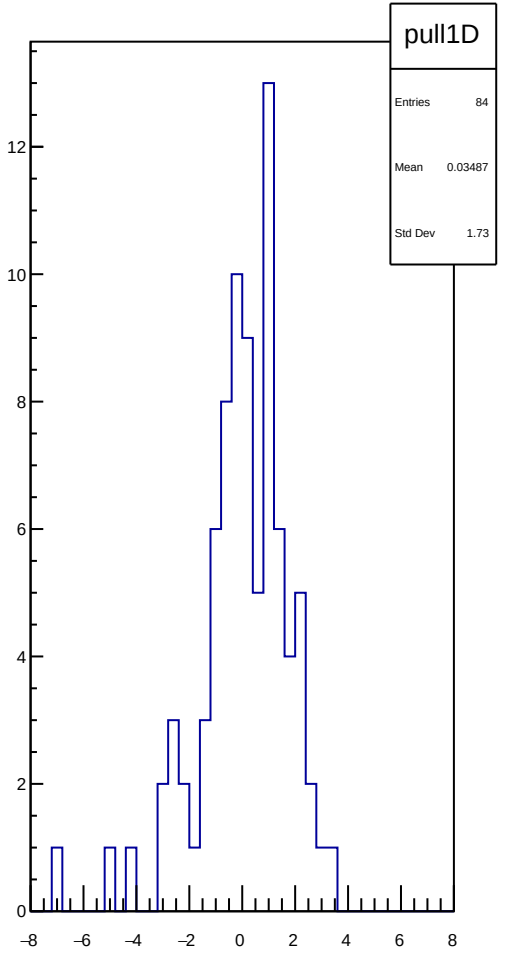

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 74.01 / 83
p0 28.3 ± 1.913
pull
Entries 84
Mean 129.7
Std Dev 409.6

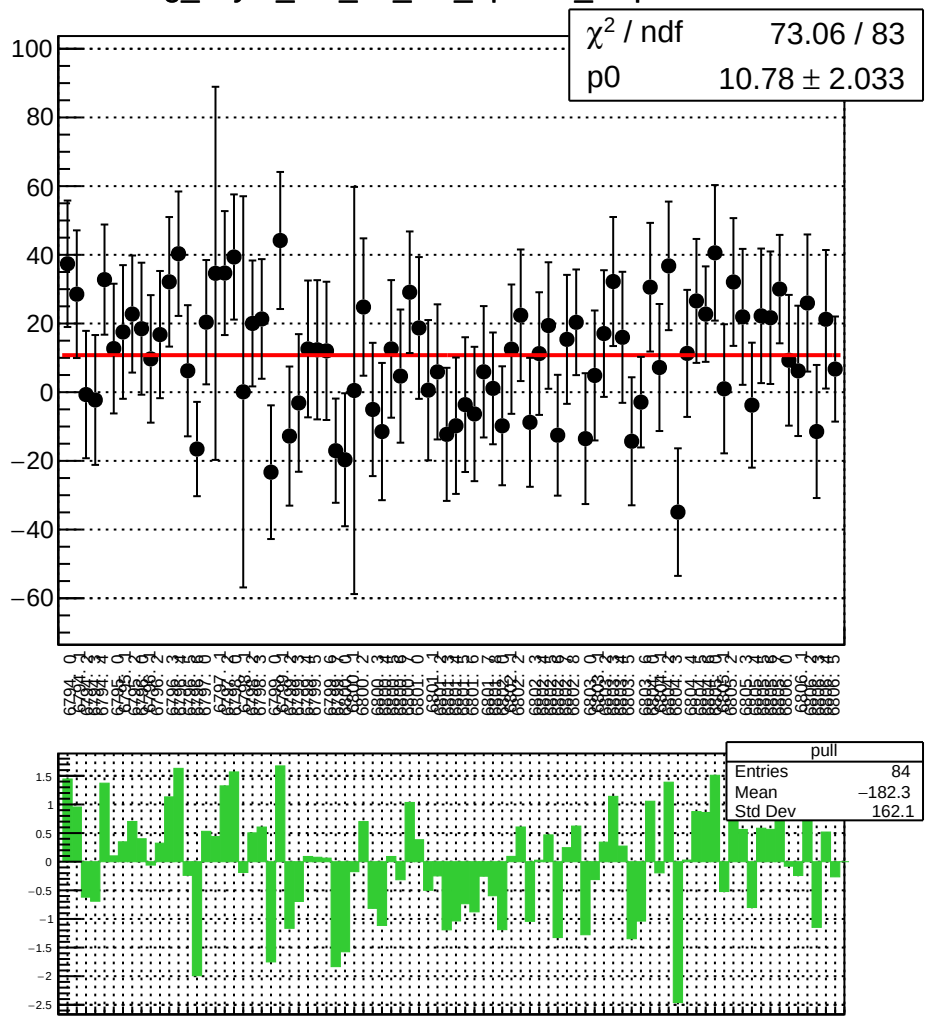

pull1D
Entries 84
Mean −0.0005285
Std Dev 0.9387

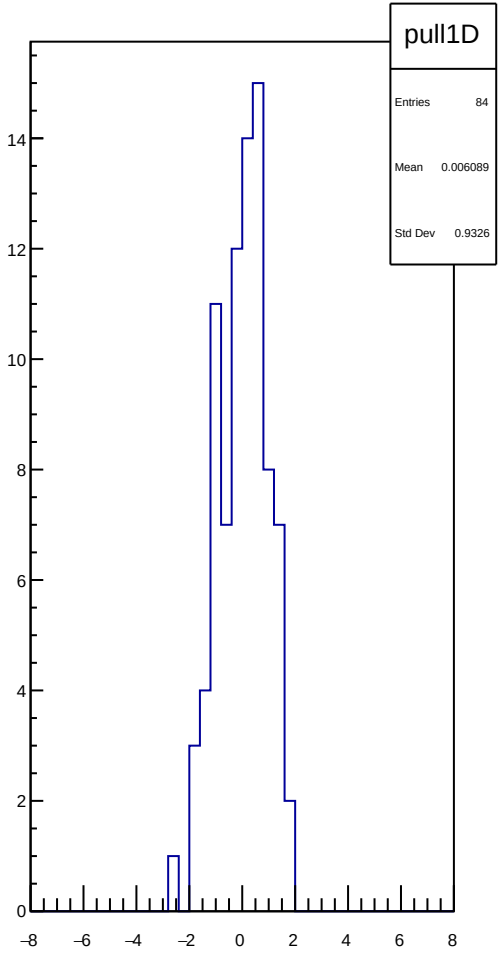

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 153.1 / 83
p0 −29.87 ± 1.388
pull
Entries 84
Mean −539.8
Std Dev 507.2

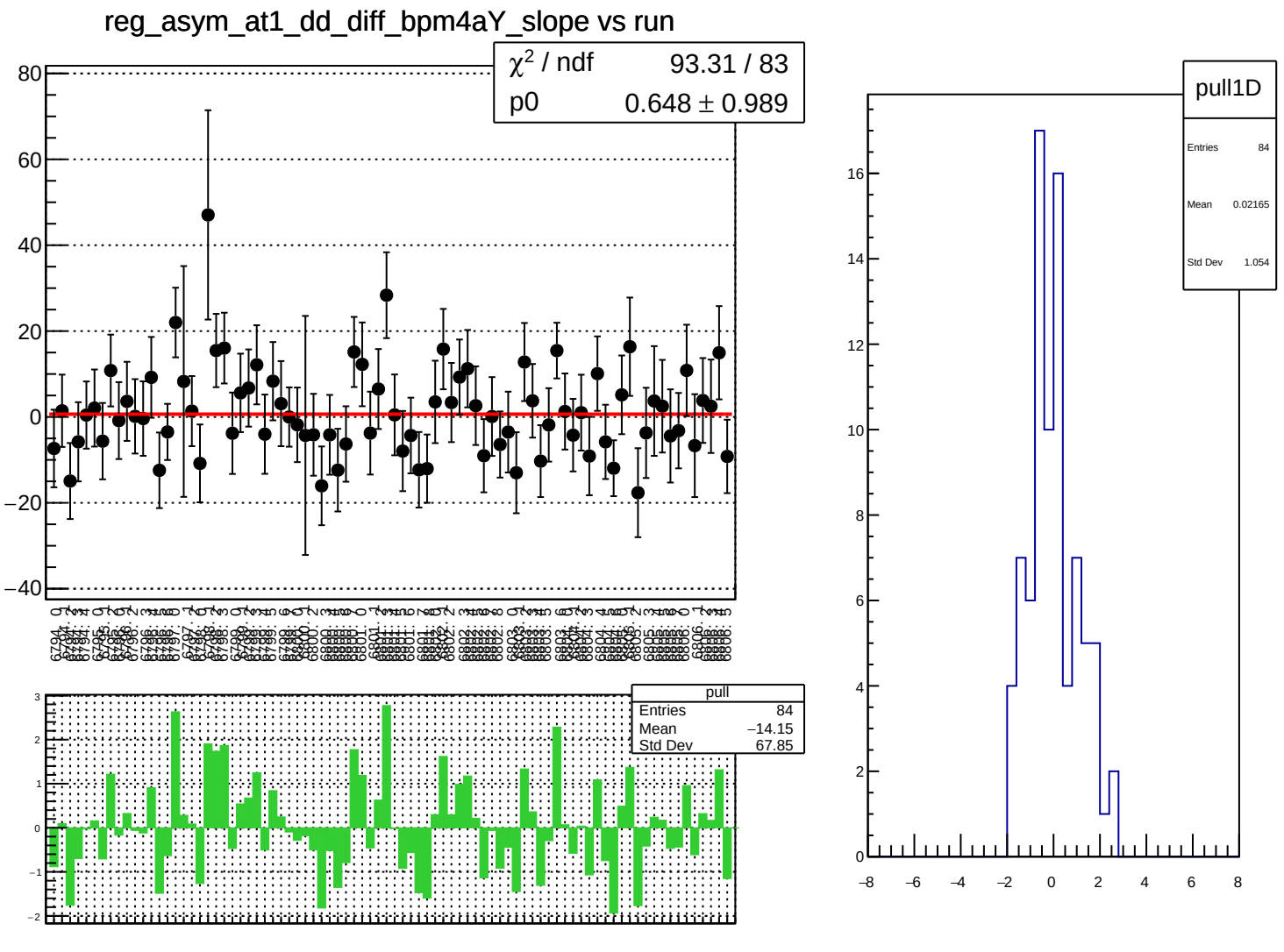

pull1D
Entries 84
Mean 0.004511
Std Dev 1.35

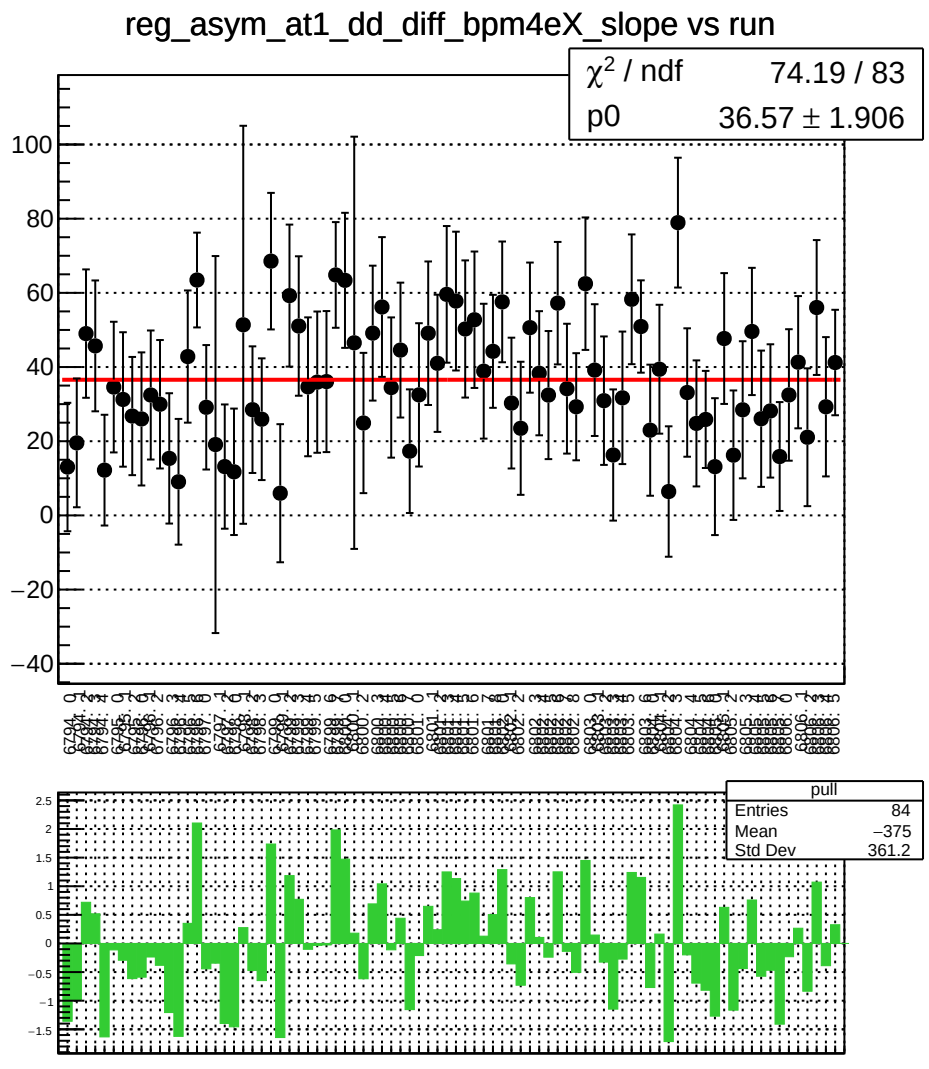

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 251.5 / 83
p0 −16.74 ± 0.08178
−14
−16
−18
−20
−22
pull
Entries 84
Mean 283.3
Std Dev 222.9
2
0
−2
−4
−6

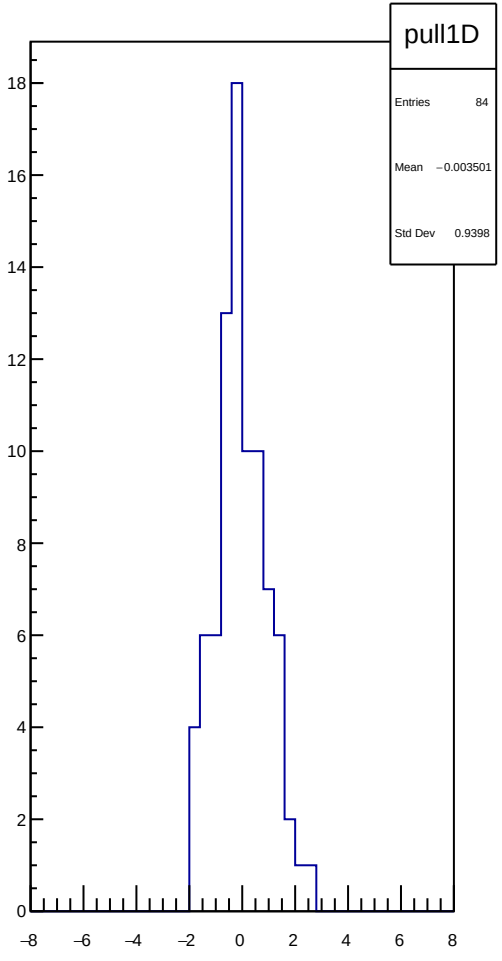

pull1D
Entries 84
Mean 0.03487
Std Dev 1.73
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

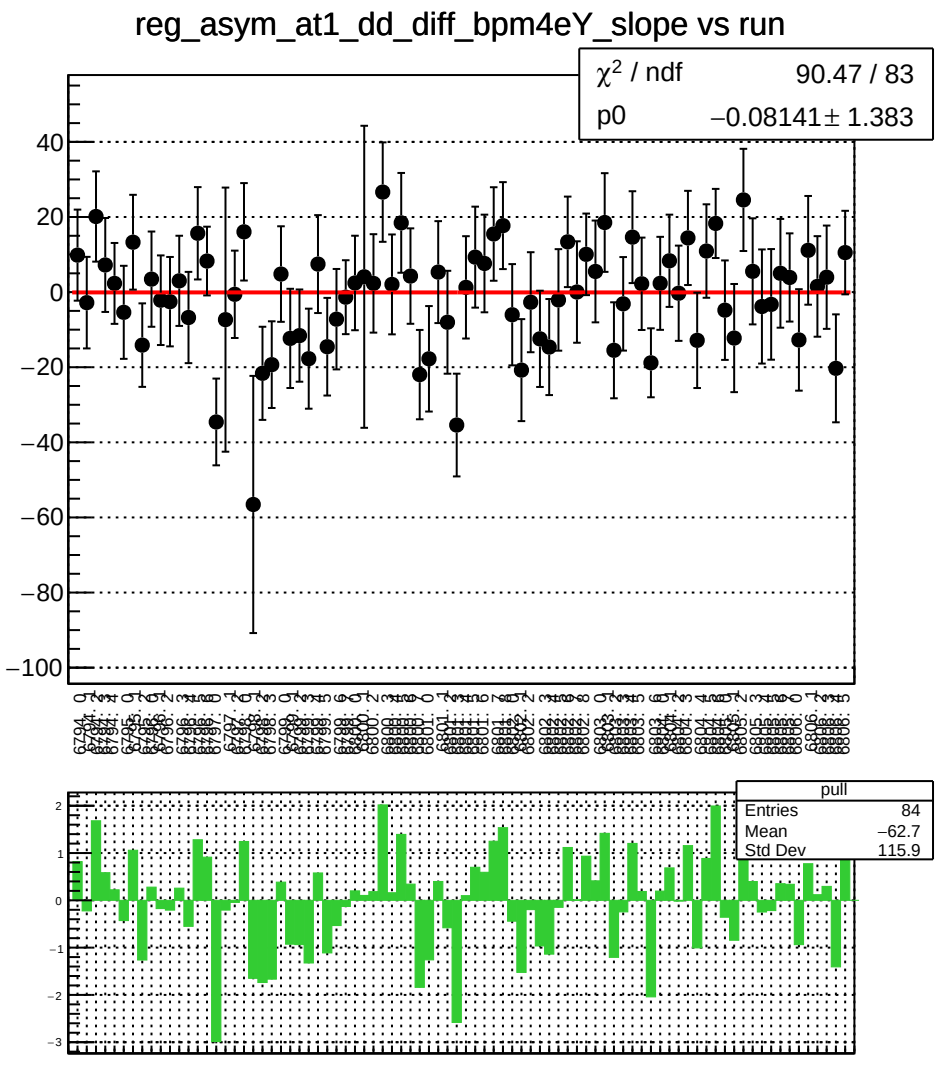

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 73.06 / 83
p0 10.78 ± 2.033
pull
Entries 84
Mean −182.3
Std Dev 162.1

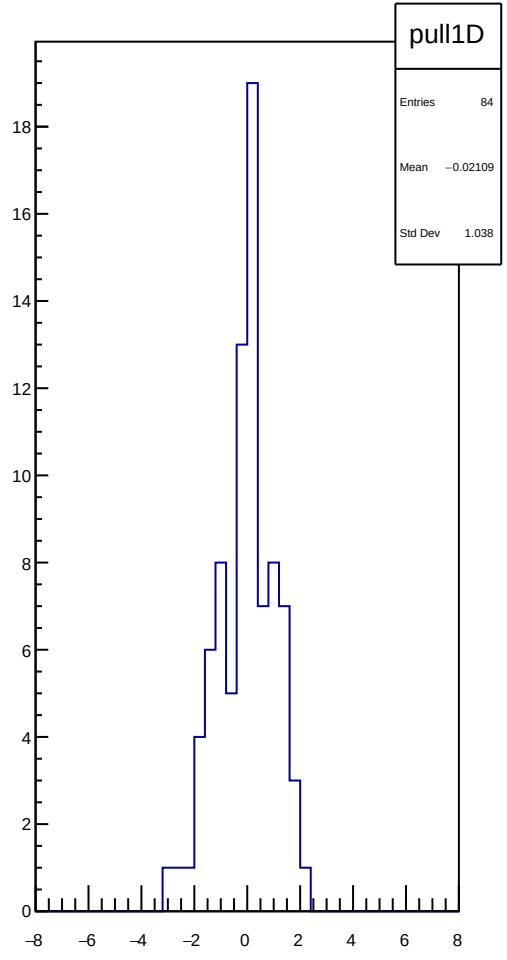

pull1D
Entries 84
Mean 0.006089
Std Dev 0.9326

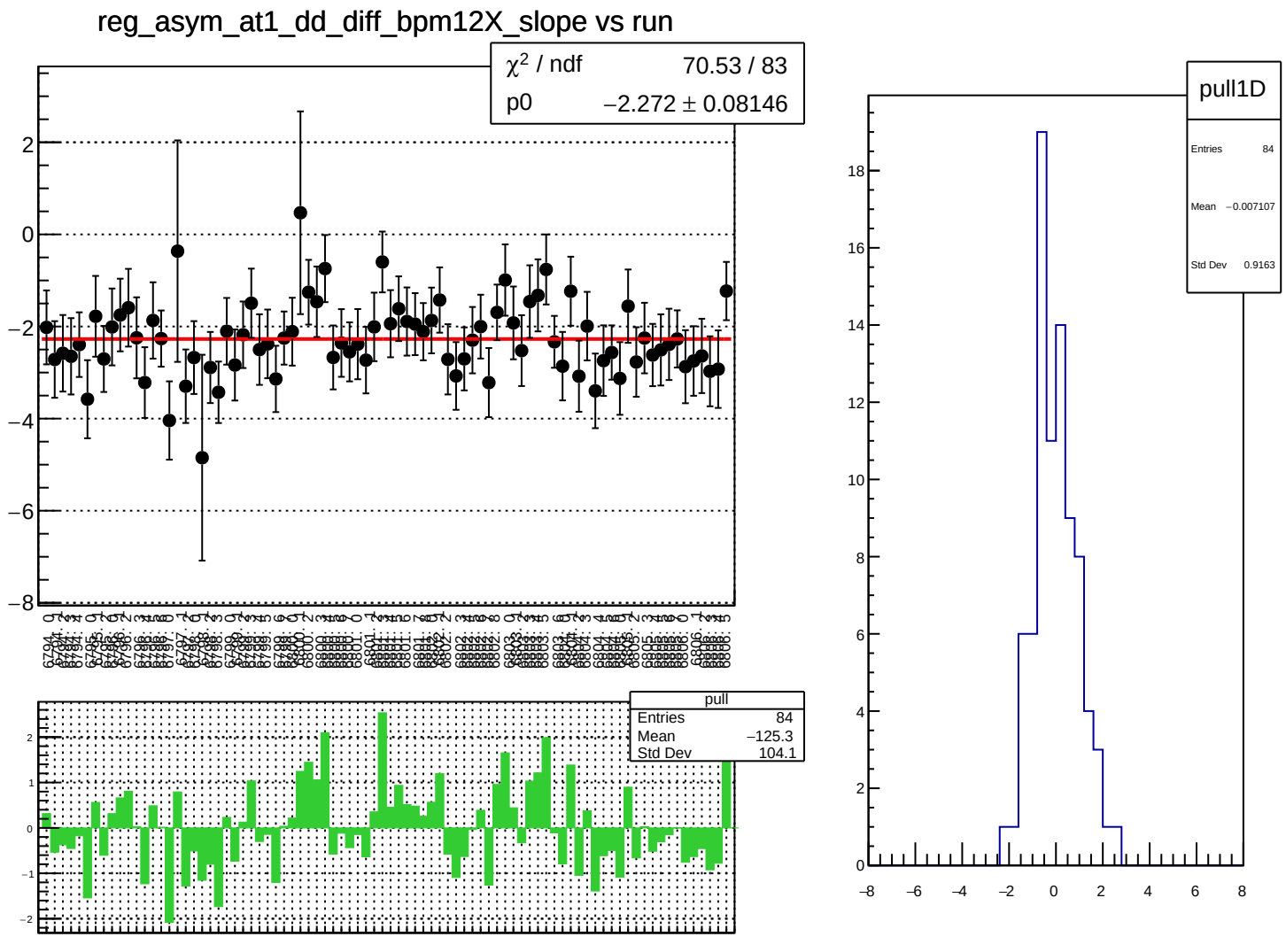

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 93.31 / 83
p0 0.648 ± 0.989
pull
Entries 84
Mean −14.15
Std Dev 67.85
pull1D
Entries 84
Mean 0.02165
Std Dev 1.054

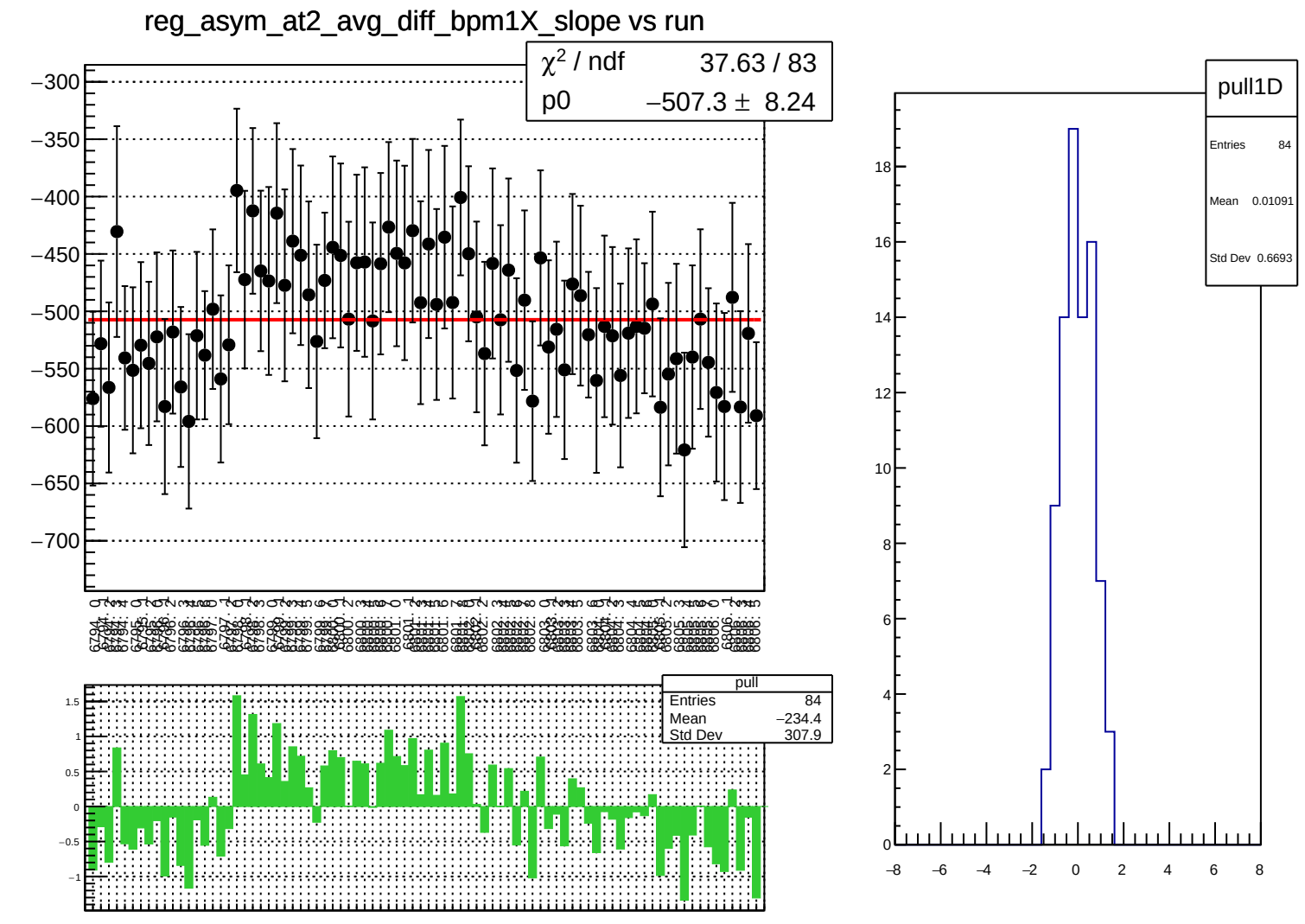

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 74.19 / 83
p0 36.57 ± 1.906
pull
Entries 84
Mean −375
Std Dev 361.2

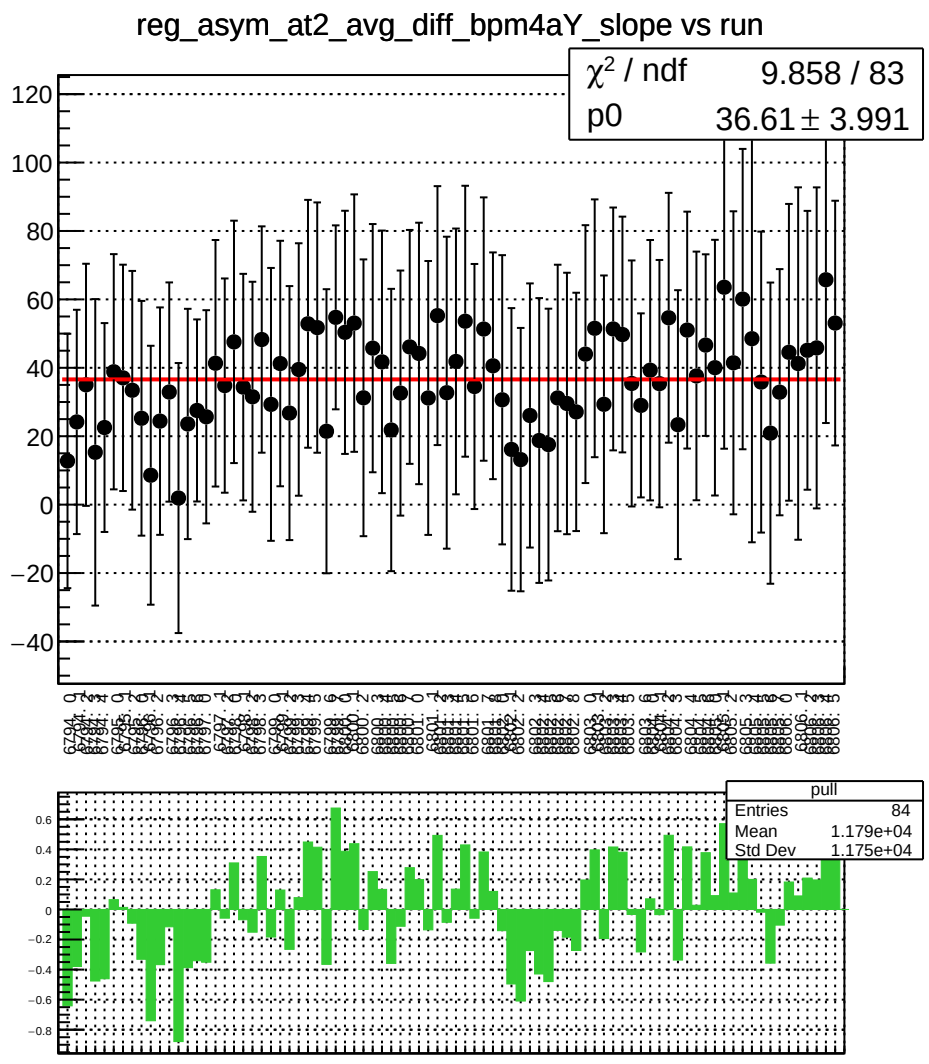

pull1D
Entries 84
Mean −0.003501
Std Dev 0.9398

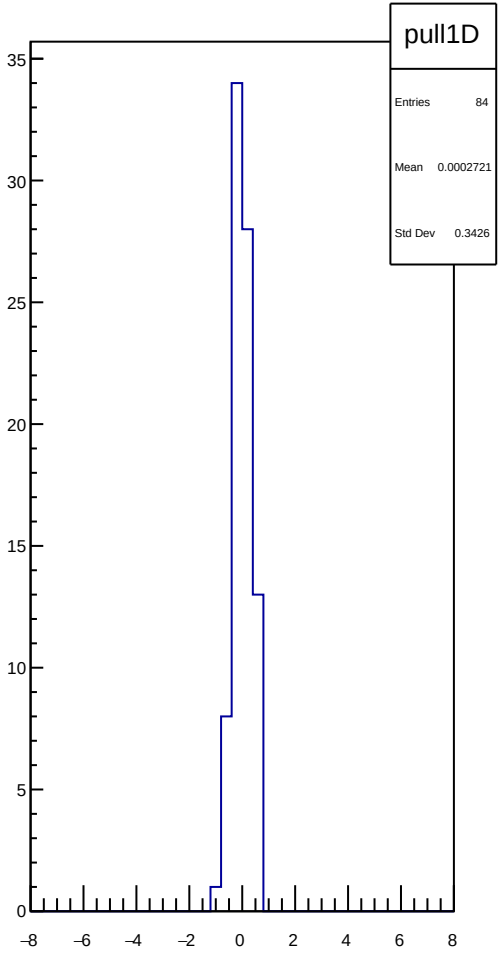

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 90.47 / 83
p0 −0.08141 ± 1.383
pull
Entries 84
Mean −62.7
Std Dev 115.9

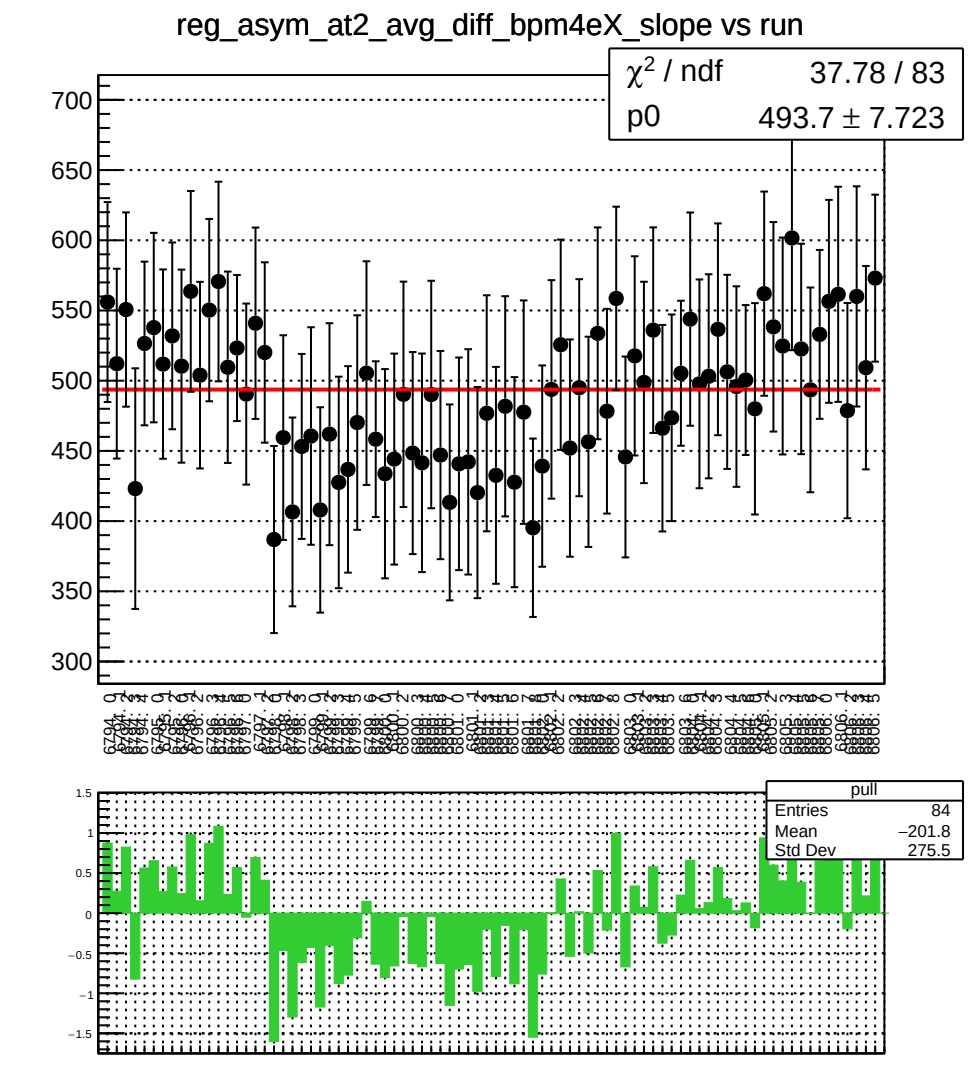

pull1D
Entries 84
Mean −0.02109
Std Dev 1.038

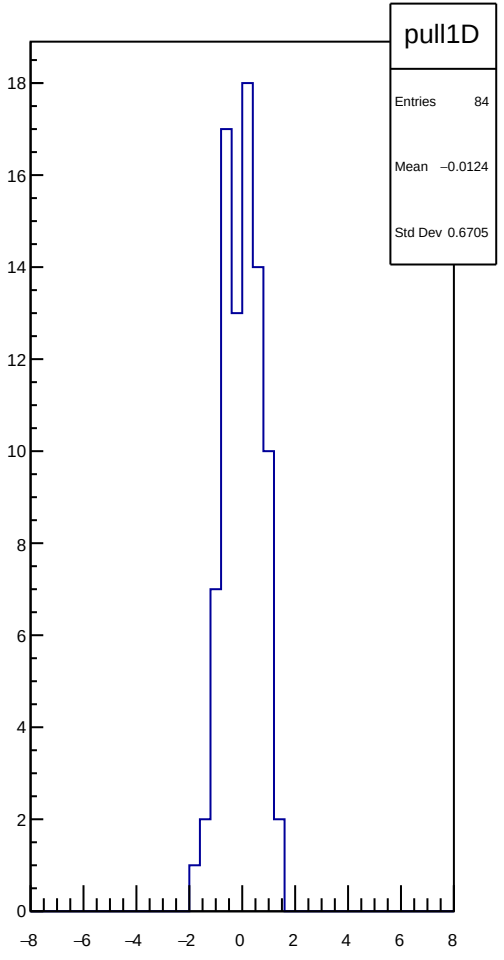

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 70.53 / 83
p0 −2.272 ± 0.08146
pull
Entries 84
Mean −125.3
Std Dev 104.1
pull1D
Entries 84
Mean −0.007107
Std Dev 0.9163

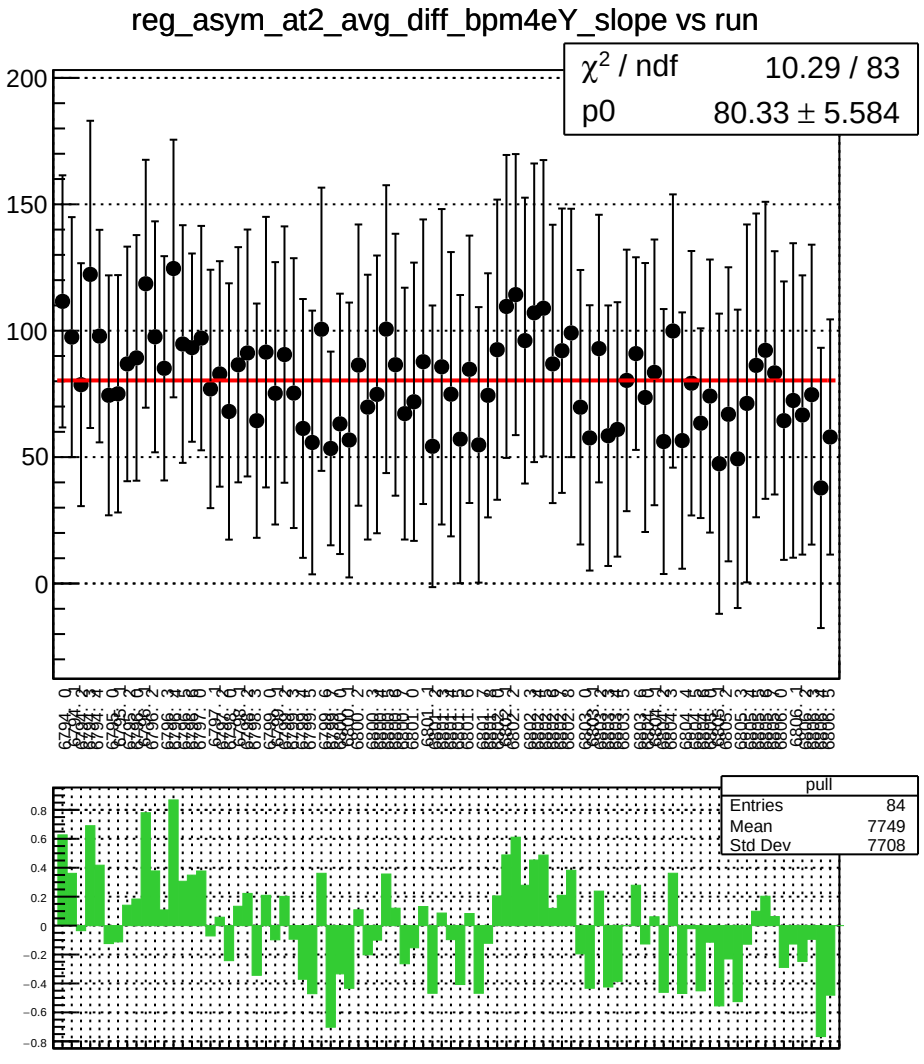

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 37.63 / 83
p0 −507.3 ± 8.24
pull
Entries 84
Mean −234.4
Std Dev 307.9
pull1D
Entries 84
Mean 0.01091
Std Dev 0.6693

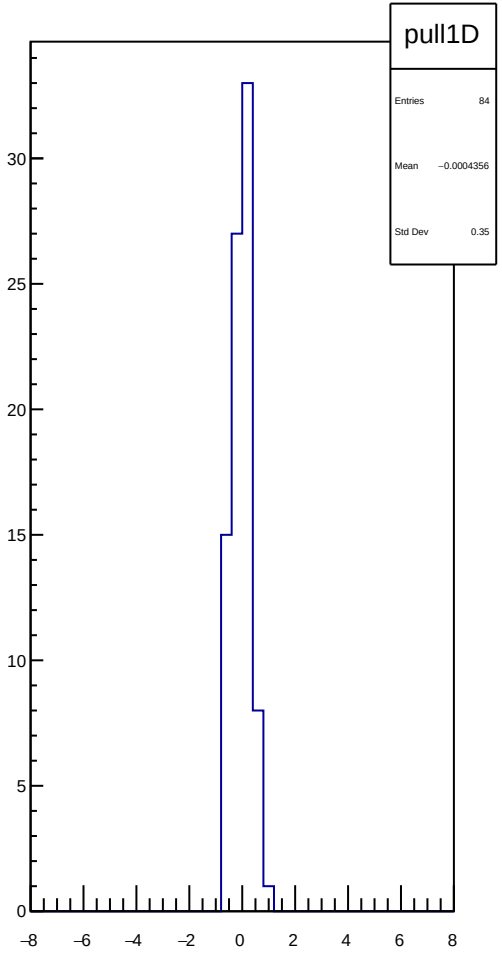

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.858 / 83
p0 36.61 ± 3.991
pull
Entries 84
Mean 1.179e+04
Std Dev 1.175e+04

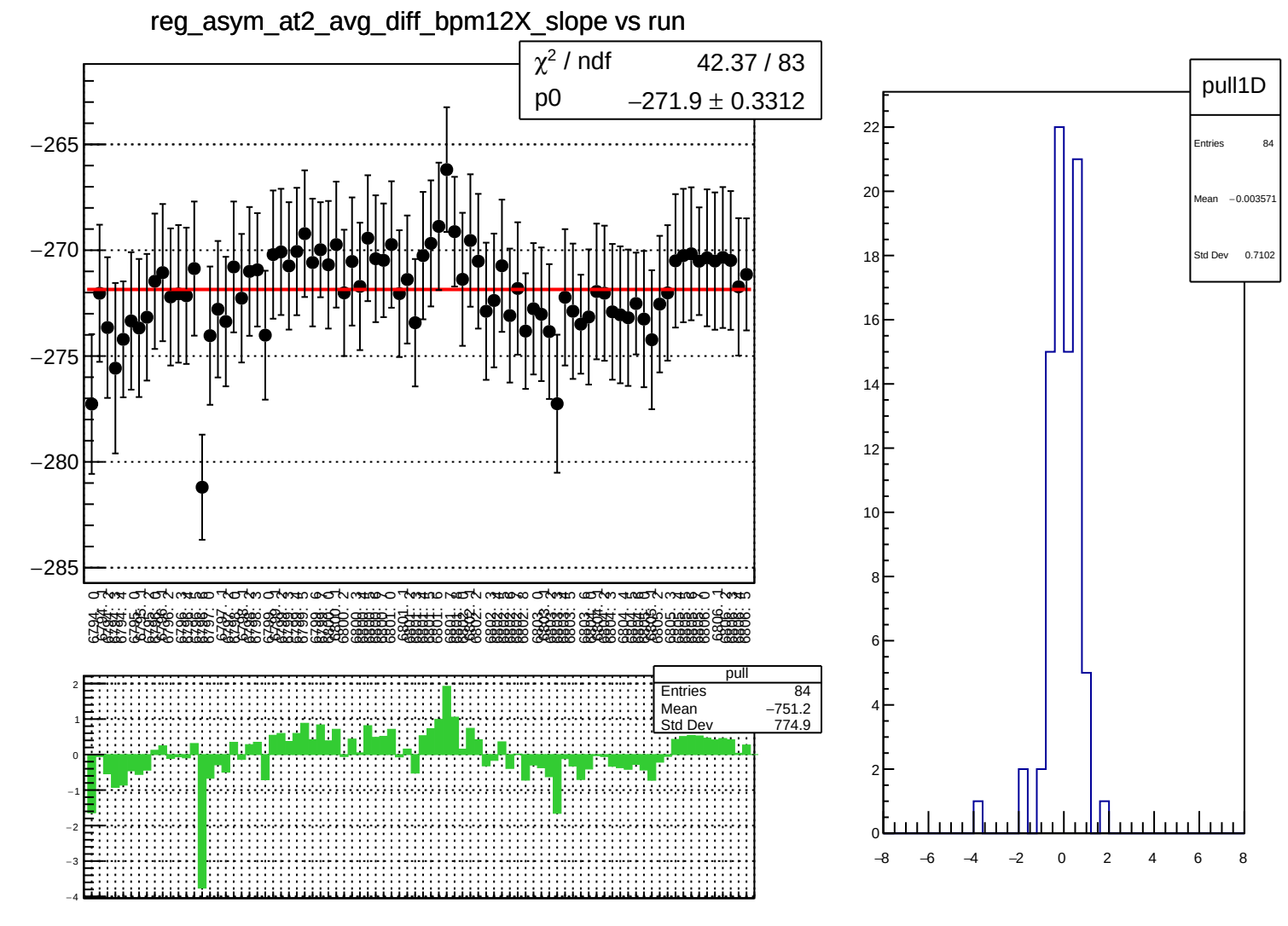

pull1D
Entries 84
Mean 0.0002721
Std Dev 0.3426

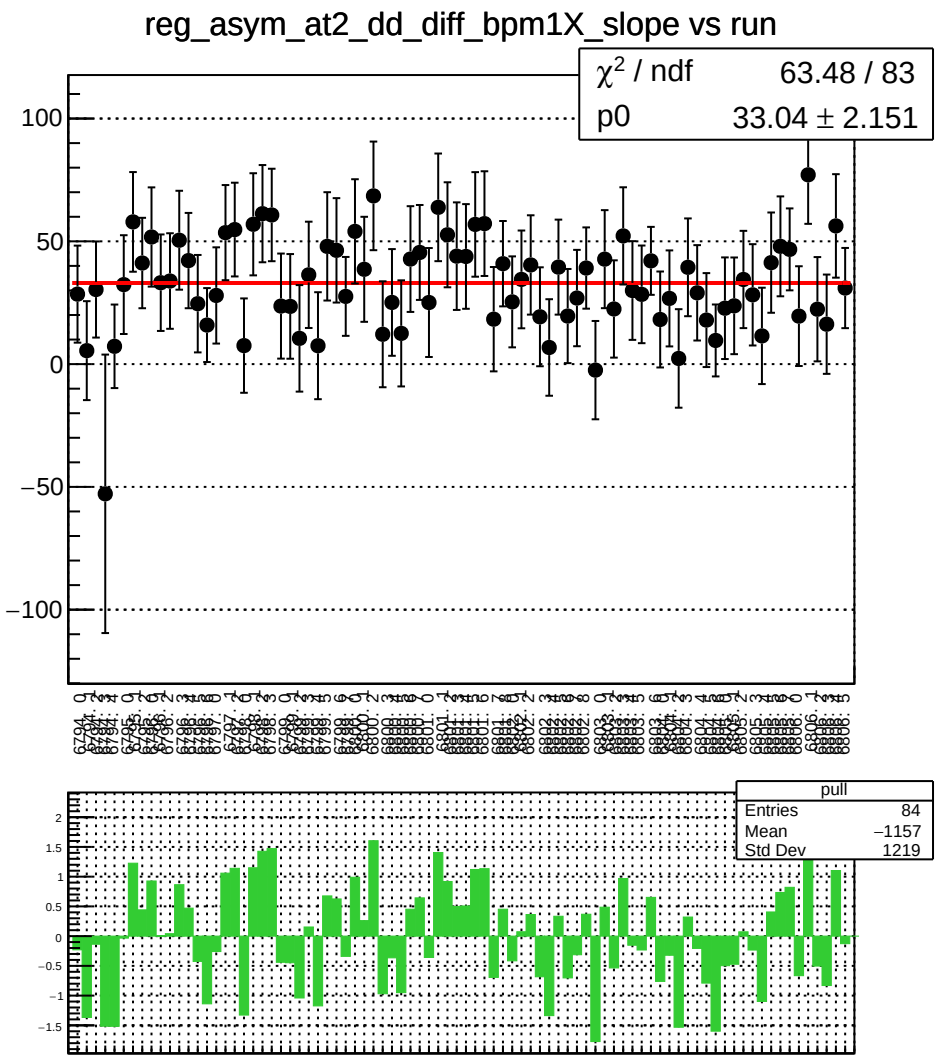

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 37.78 / 83
p0 493.7 ± 7.723
pull
Entries 84
Mean −201.8
Std Dev 275.5

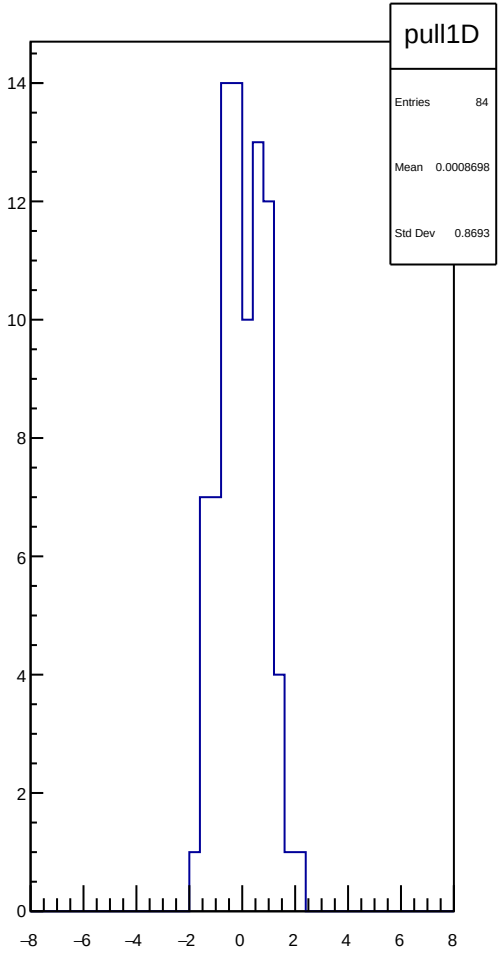

pull1D
Entries 84
Mean −0.0124
Std Dev 0.6705

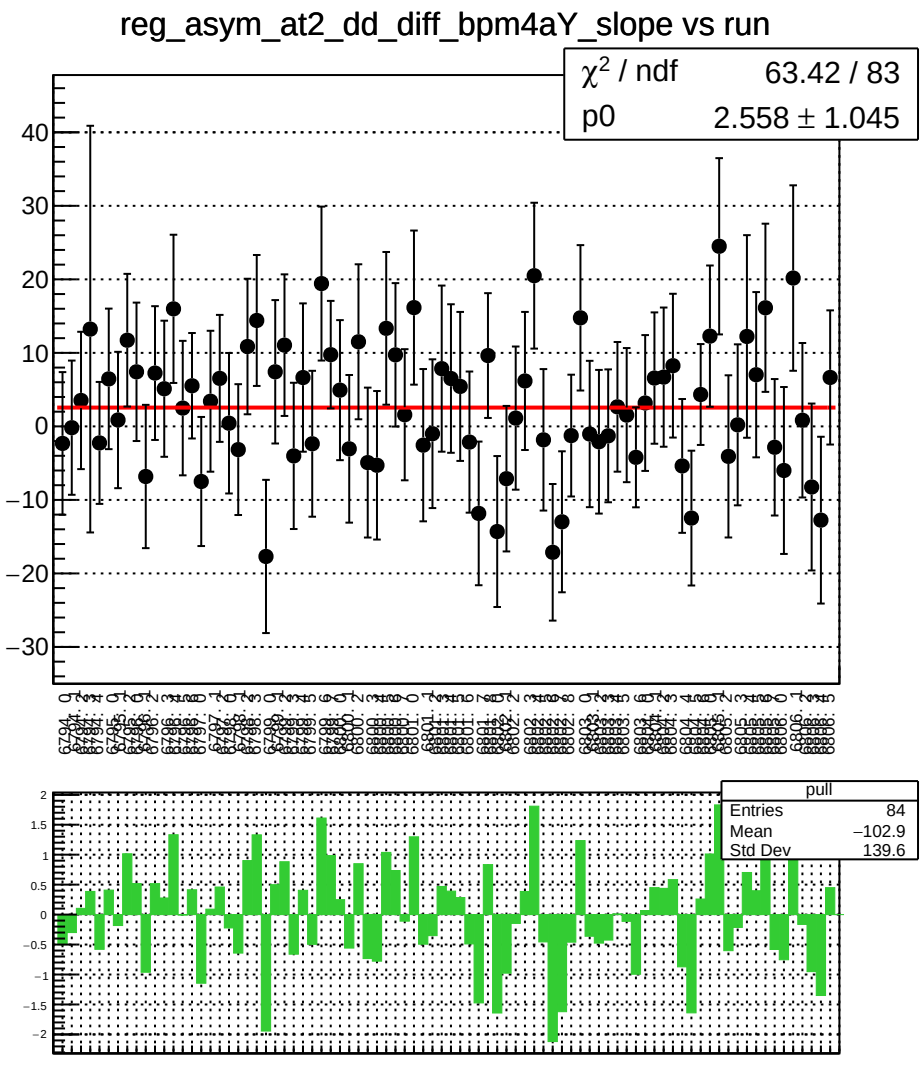

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.29 / 83
p0 80.33 ± 5.584
pull
Entries 84
Mean 7749
Std Dev 7708

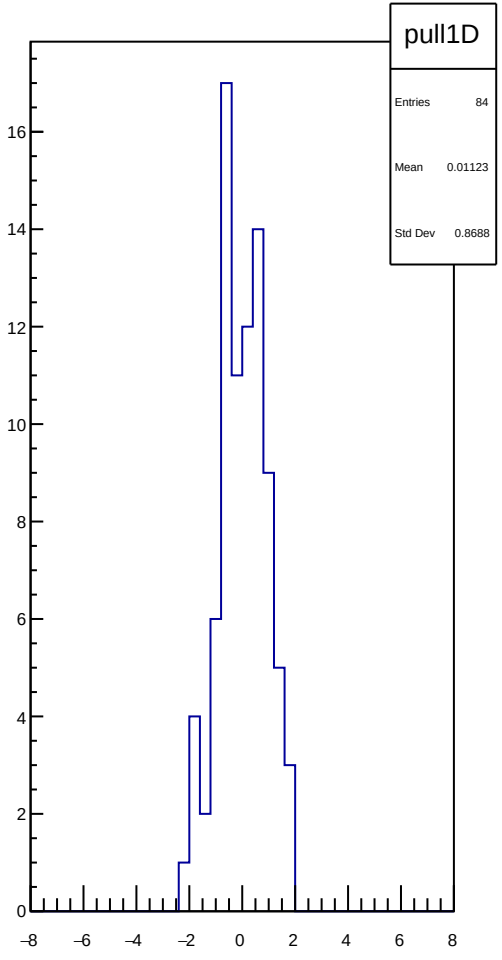

pull1D
Entries 84
Mean −0.0004356
Std Dev 0.35

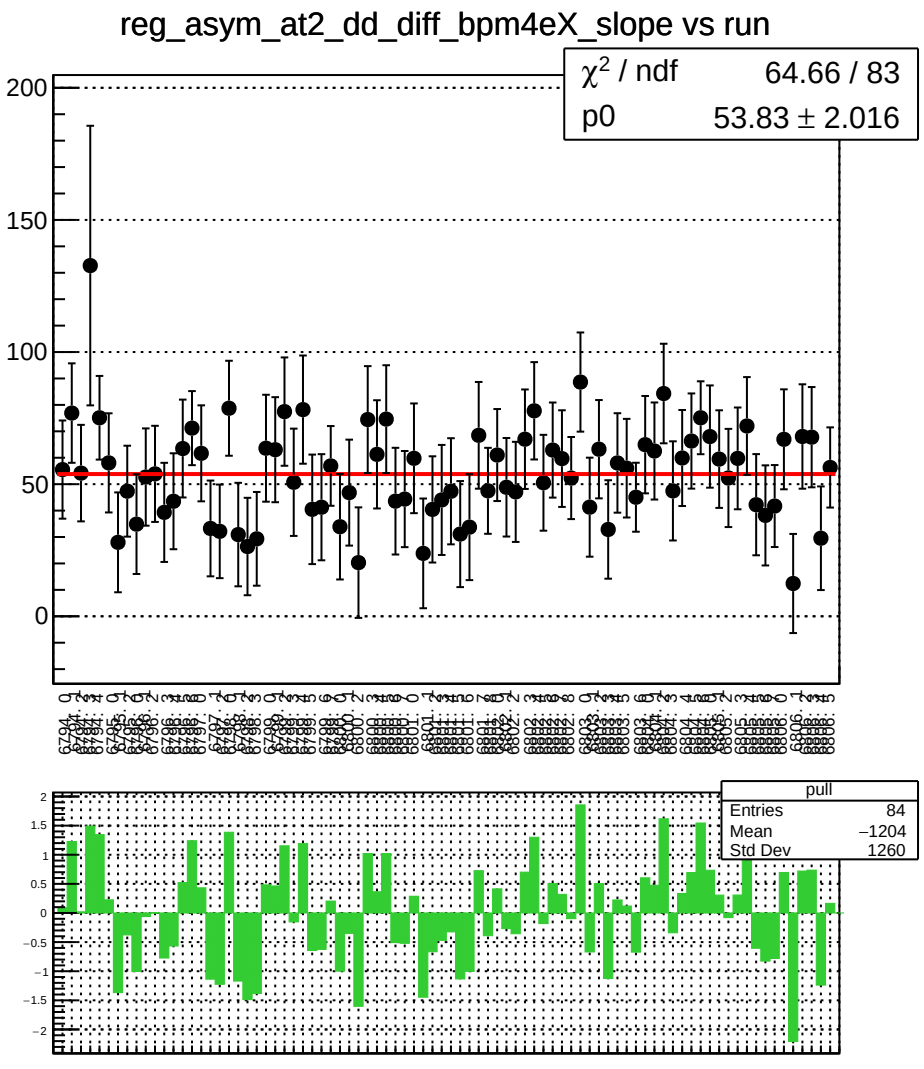

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 42.37 / 83
p0 −271.9 ± 0.3312
−265
−270
−275
−280
−285
pull
Entries 84
Mean −751.2
Std Dev 774.9
pull1D
Entries 84
Mean −0.003571
Std Dev 0.7102

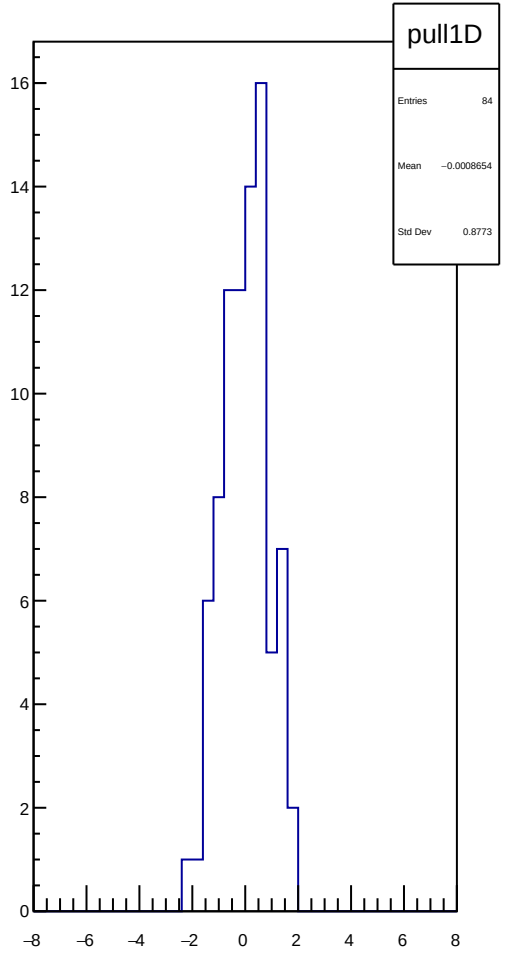

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 63.48 / 83
p0 33.04 ± 2.151
pull
Entries 84
Mean −1157
Std Dev 1219

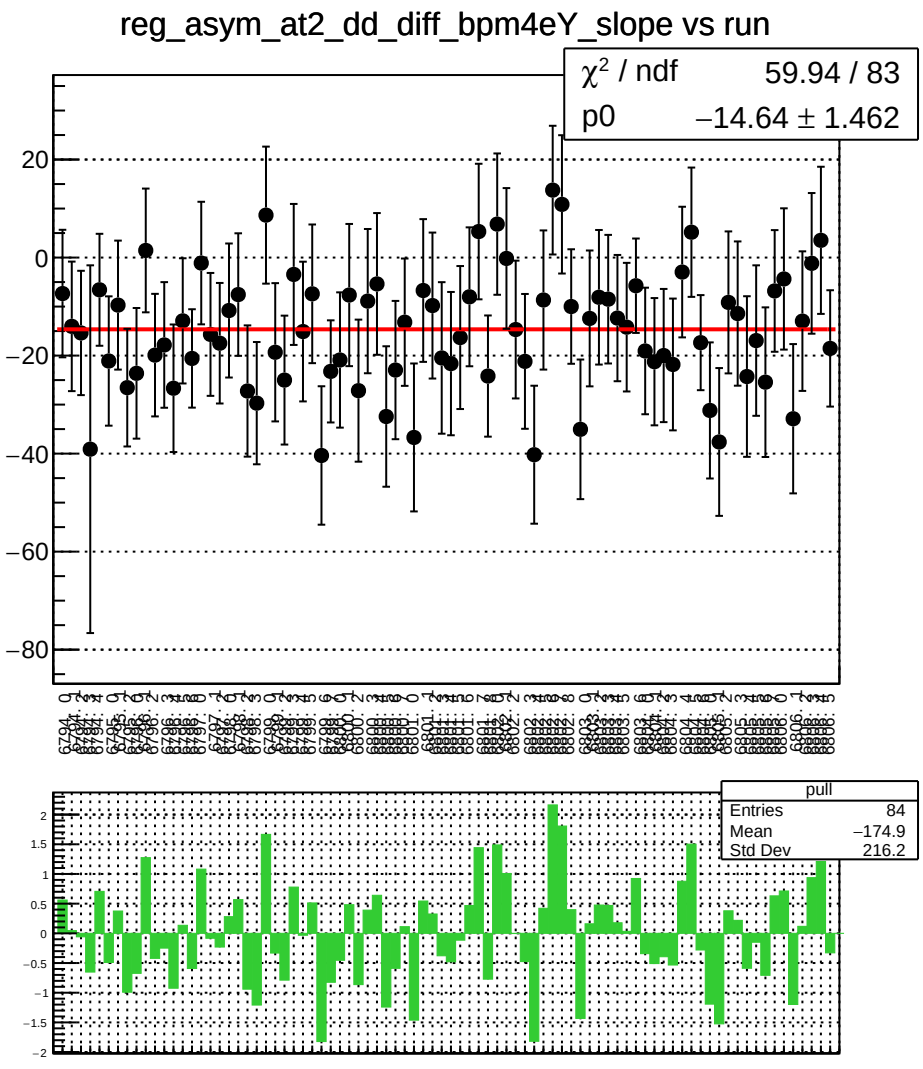

pull1D
Entries 84
Mean 0.0008698
Std Dev 0.8693

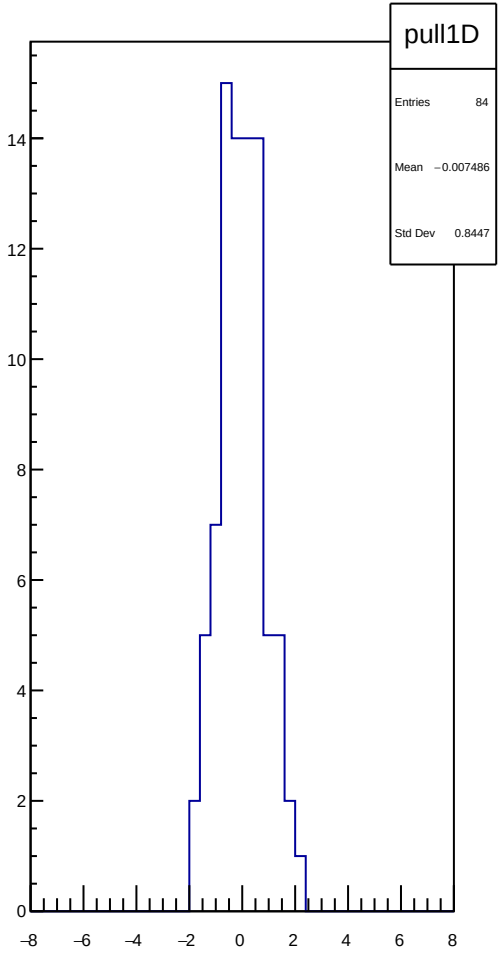

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 63.42 / 83
p0 2.558 ± 1.045
pull
Entries 84
Mean −102.9
Std Dev 139.6

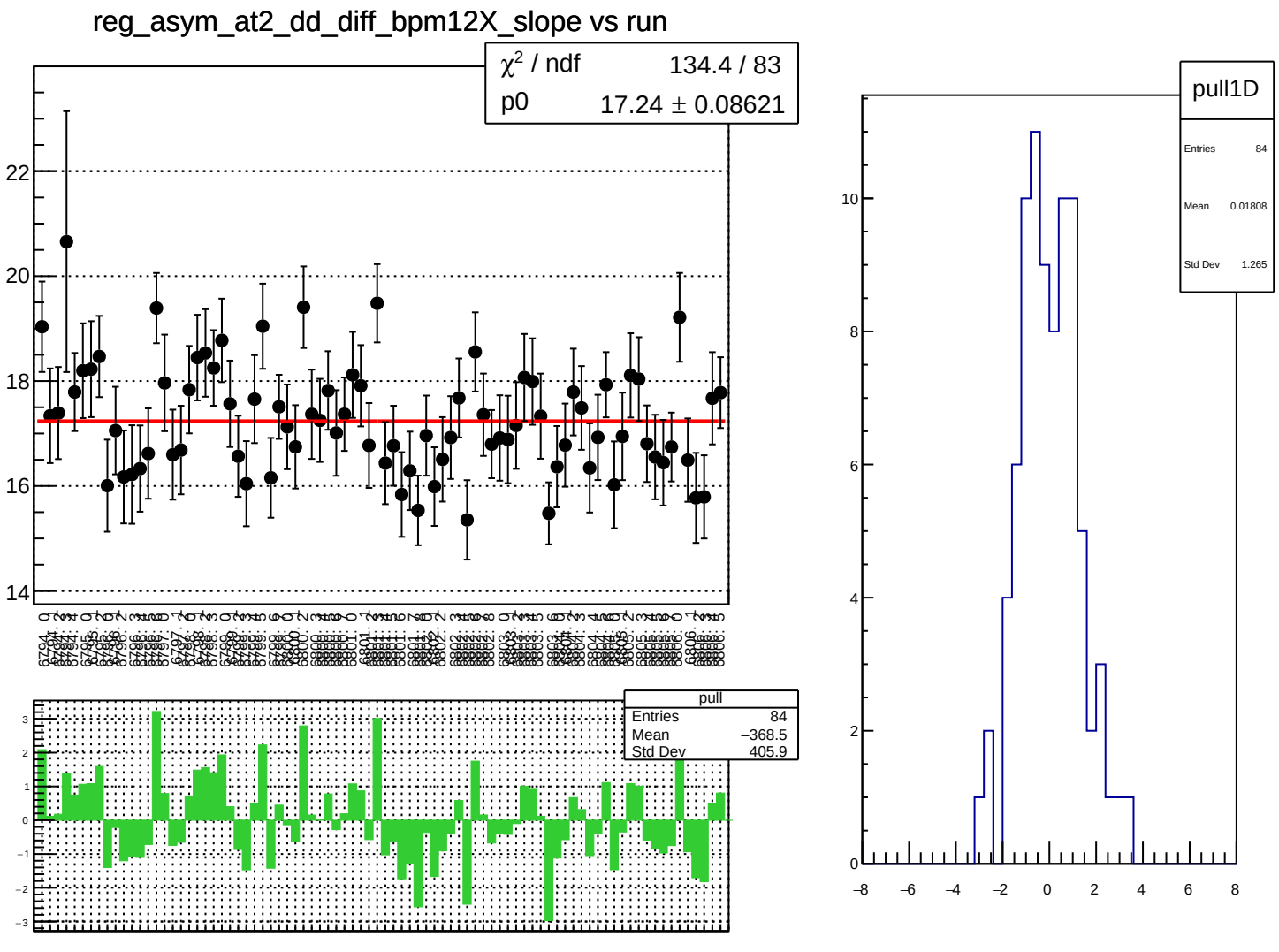

pull1D
Entries 84
Mean 0.01123
Std Dev 0.8688

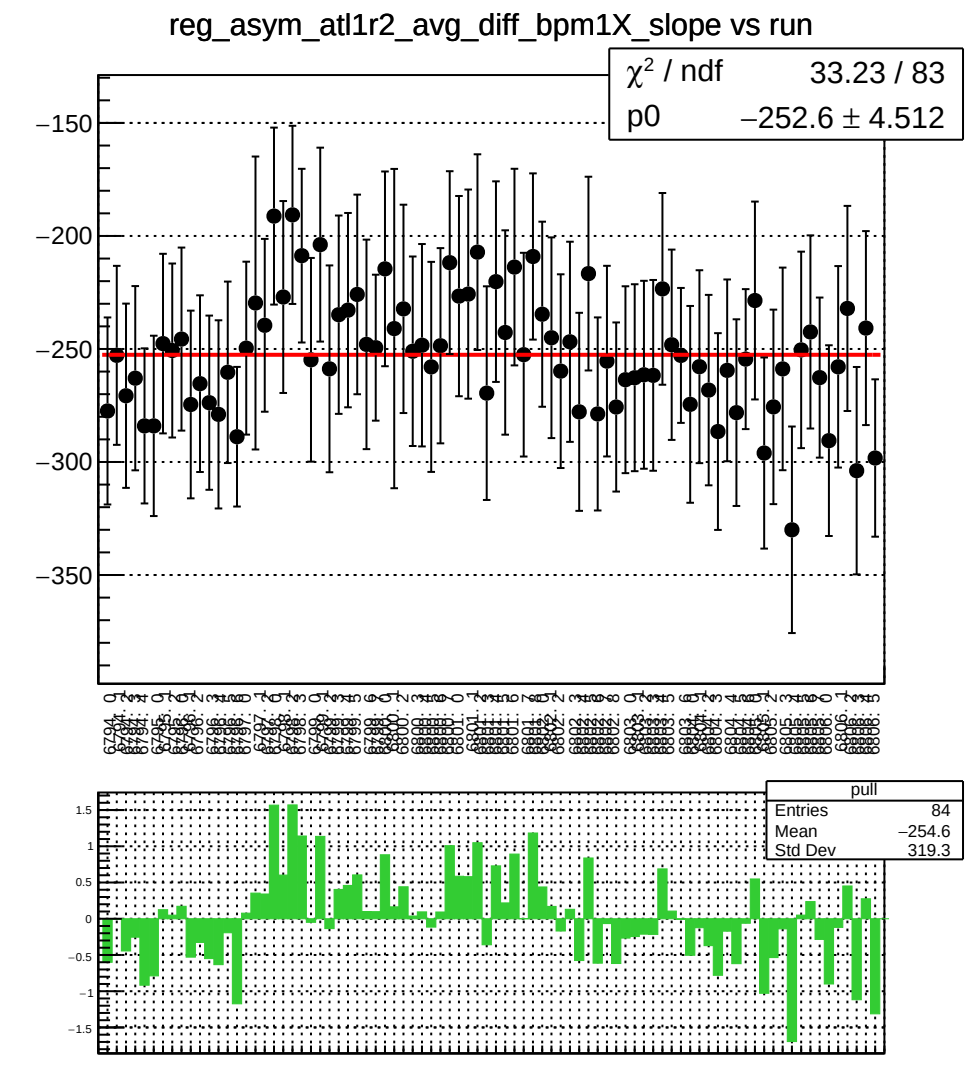

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 64.66 / 83
p0 53.83 ± 2.016
200
150
100
50
0
pull
Entries 84
Mean −1204
Std Dev 1260
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

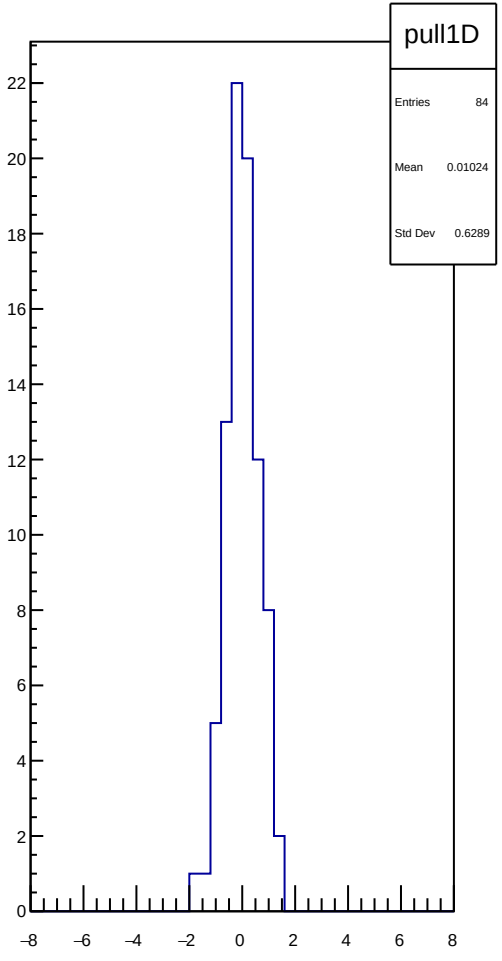

pull1D
Entries 84
Mean −0.0008654
Std Dev 0.8773
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

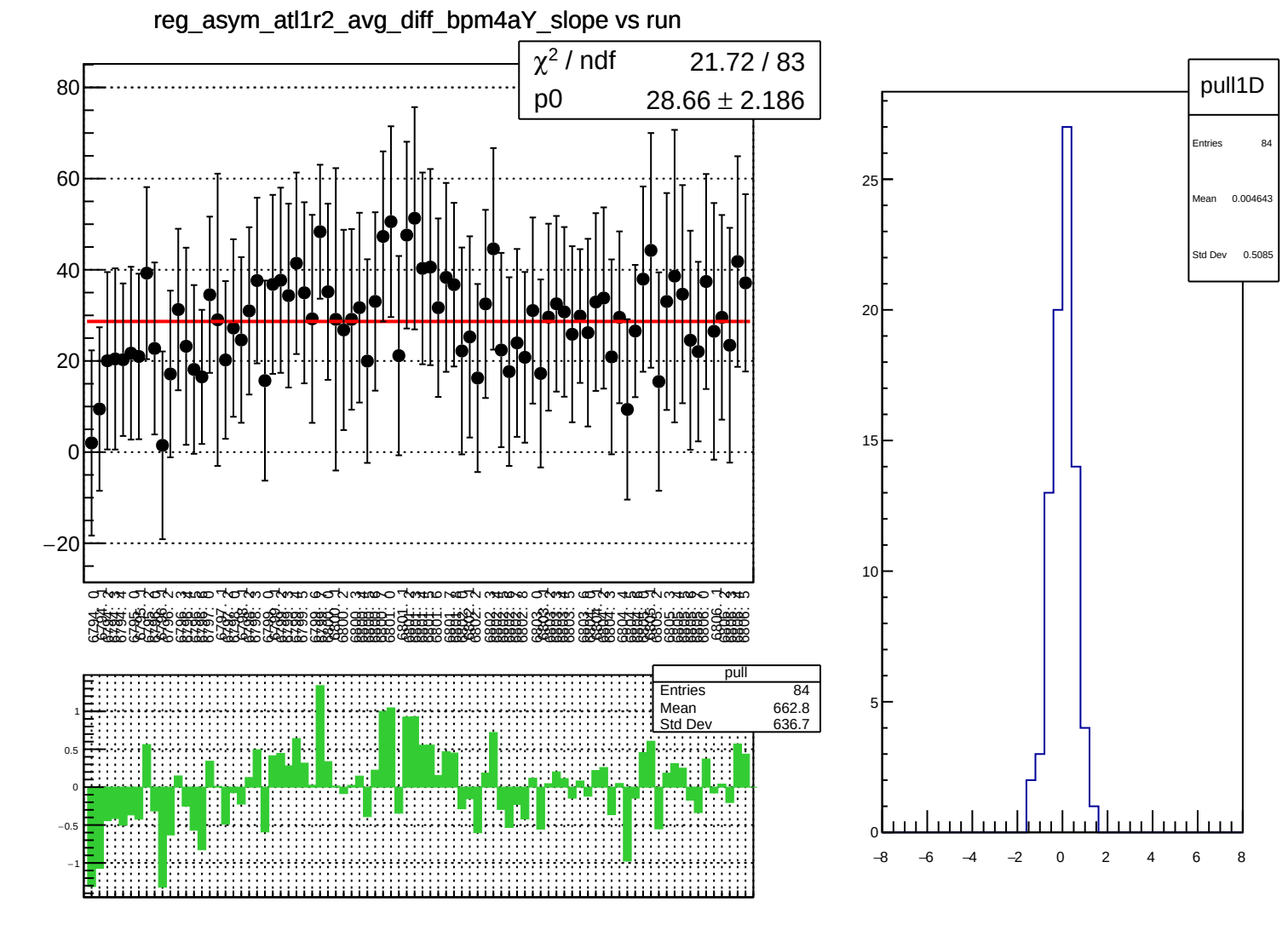

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 59.94 / 83
p0 −14.64 ± 1.462
pull
Entries 84
Mean −174.9
Std Dev 216.2

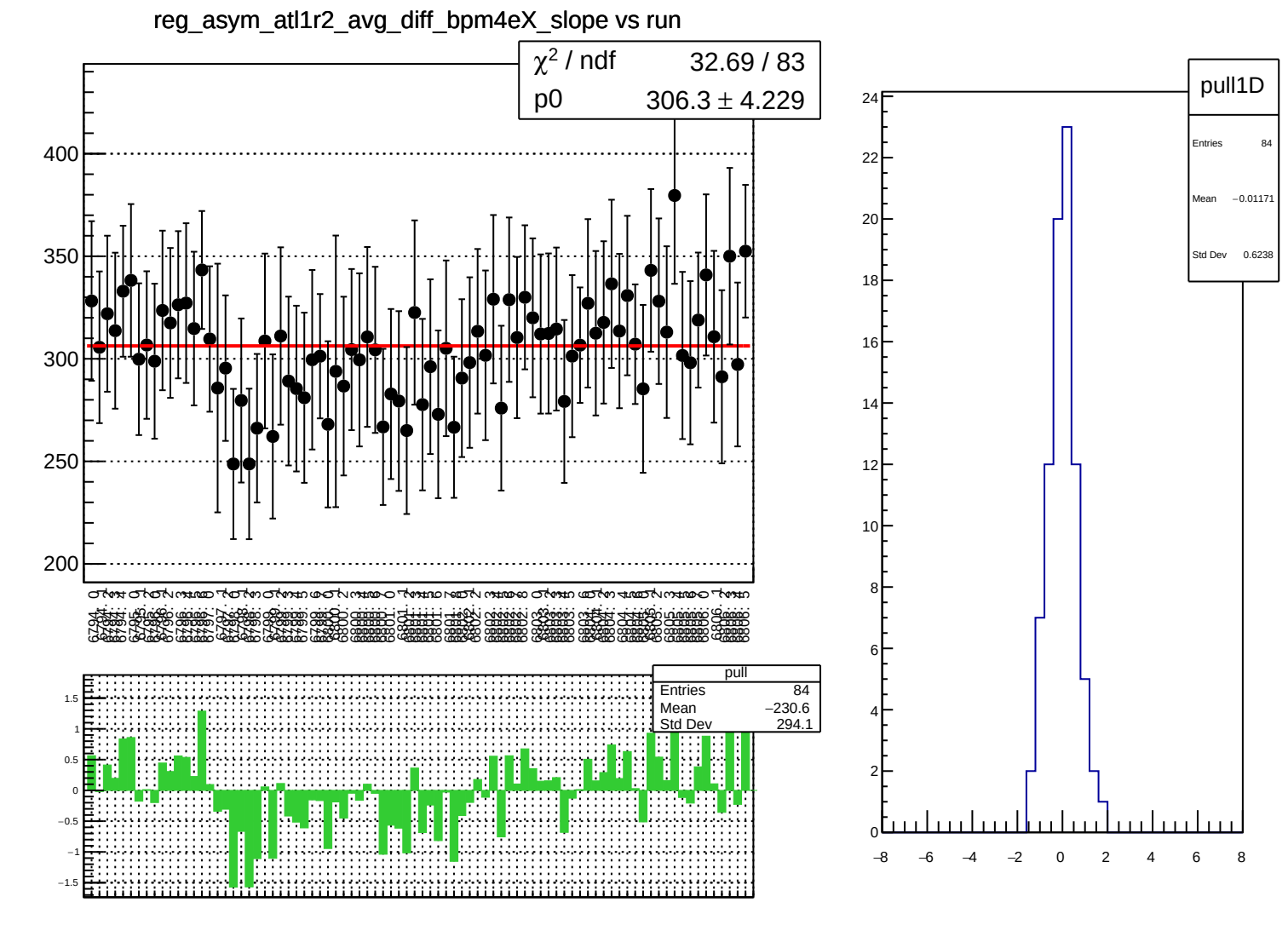

pull1D
Entries 84
Mean −0.007486
Std Dev 0.8447

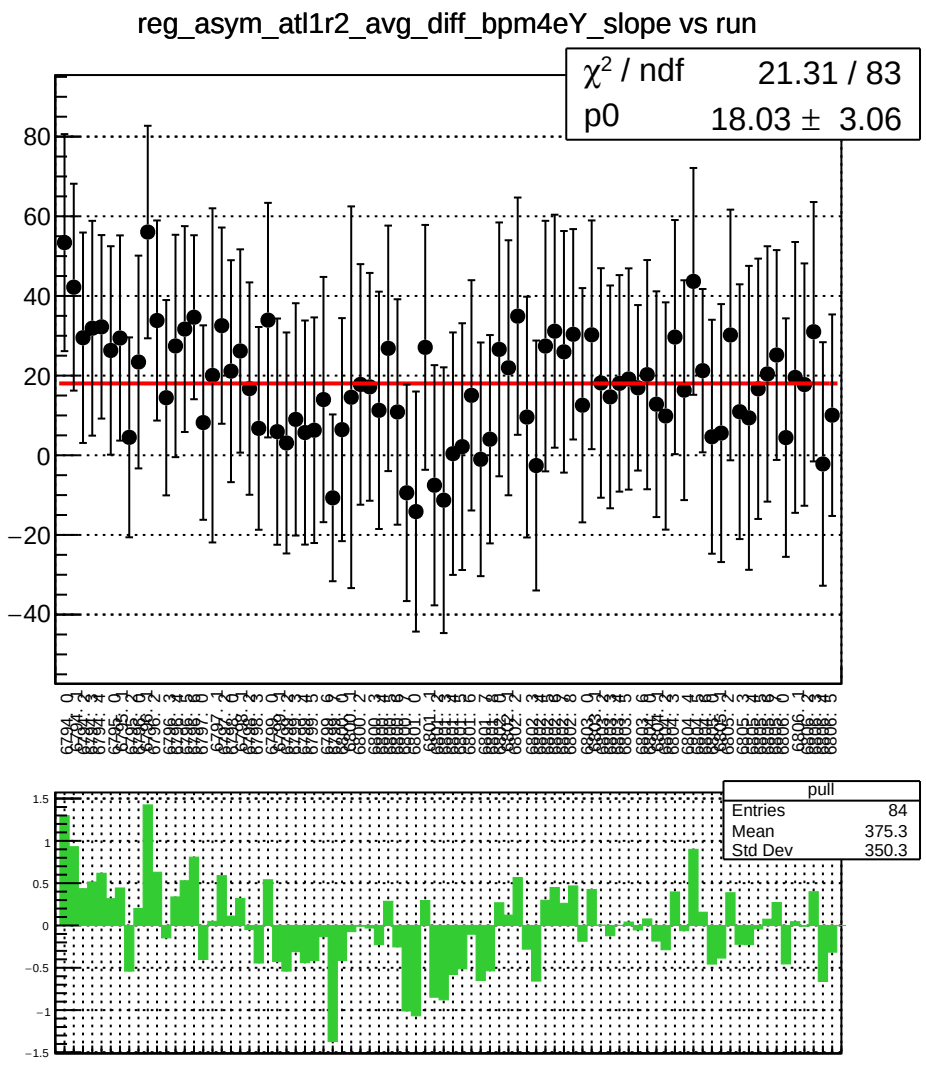

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 134.4 / 83
p0 17.24 ± 0.08621
22
20
18
16
14
pull
Entries 84
Mean −368.5
Std Dev 405.9
3
2
1
0
−1
−2
−3
pull1D
Entries 84
Mean 0.01808
Std Dev 1.265
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

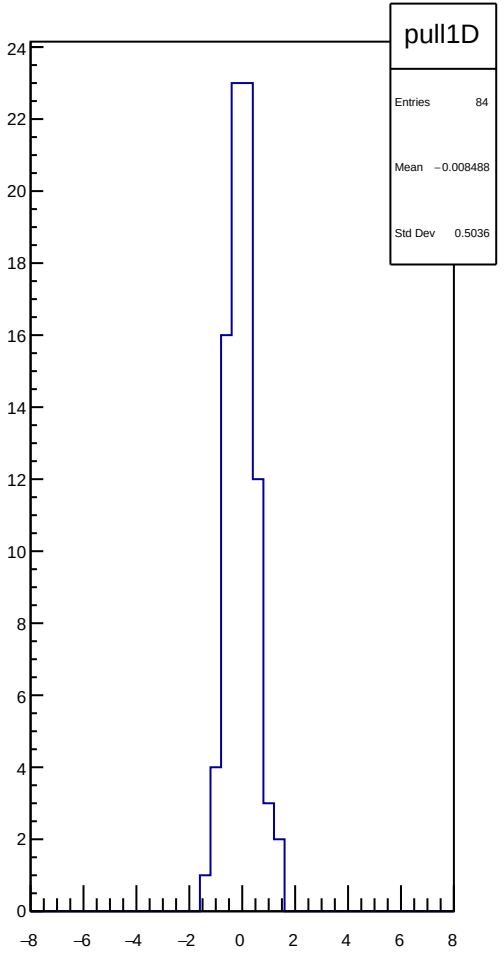

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 33.23 / 83
p0 −252.6 ± 4.512
pull
Entries 84
Mean −254.6
Std Dev 319.3

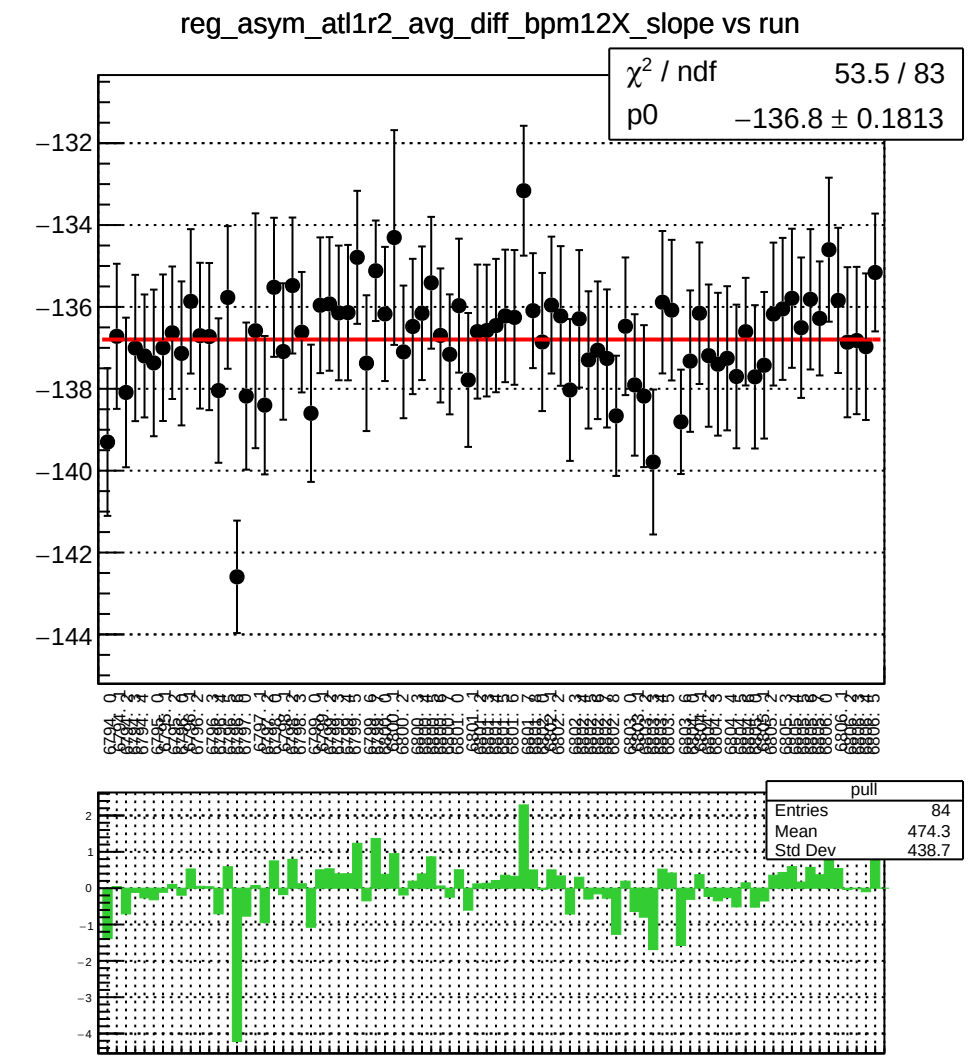

pull1D
Entries 84
Mean 0.01024
Std Dev 0.6289

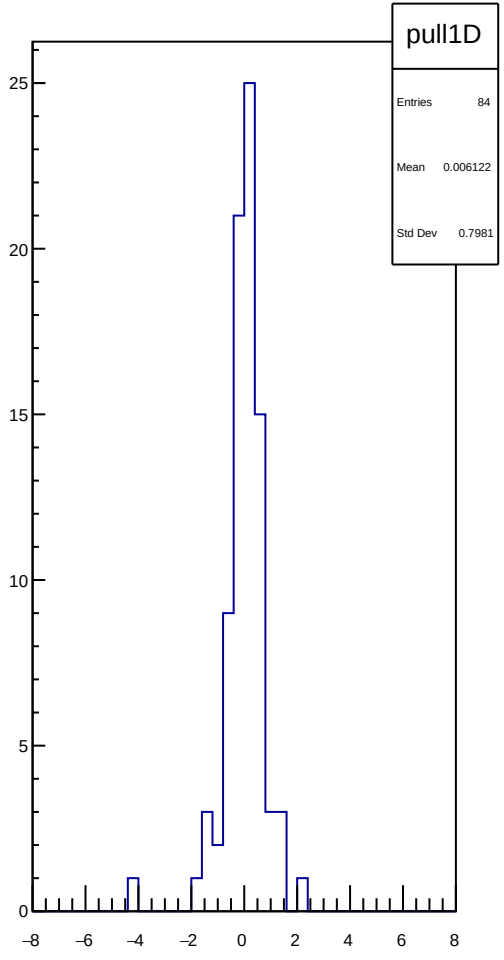

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 21.72 / 83
p0 28.66 ± 2.186
pull
Entries 84
Mean 662.8
Std Dev 636.7
pull1D
Entries 84
Mean 0.004643
Std Dev 0.5085

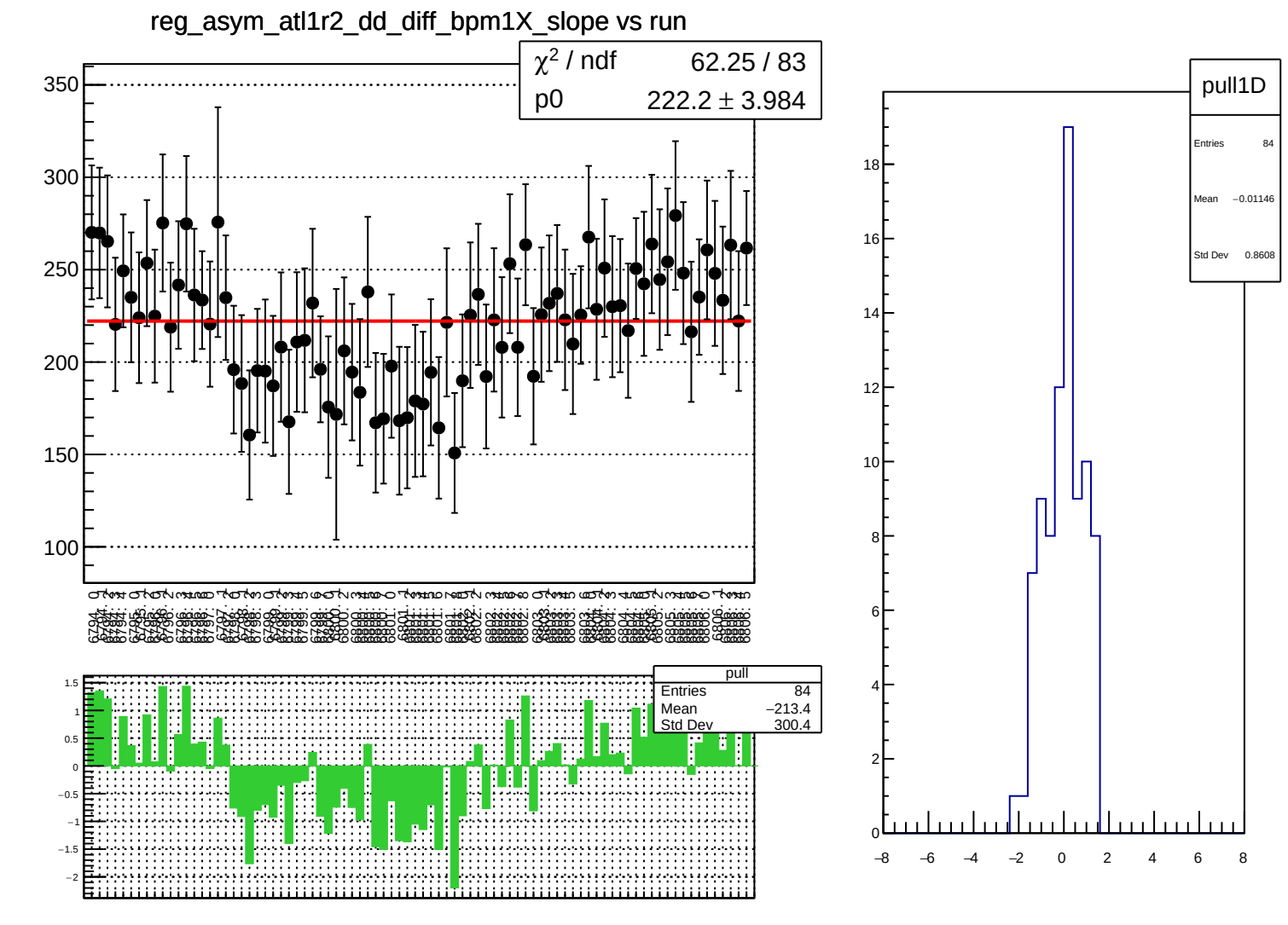

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 32.69 / 83
p0 306.3 ± 4.229
pull
Entries 84
Mean −230.6
Std Dev 294.1
pull1D
Entries 84
Mean −0.01171
Std Dev 0.6238

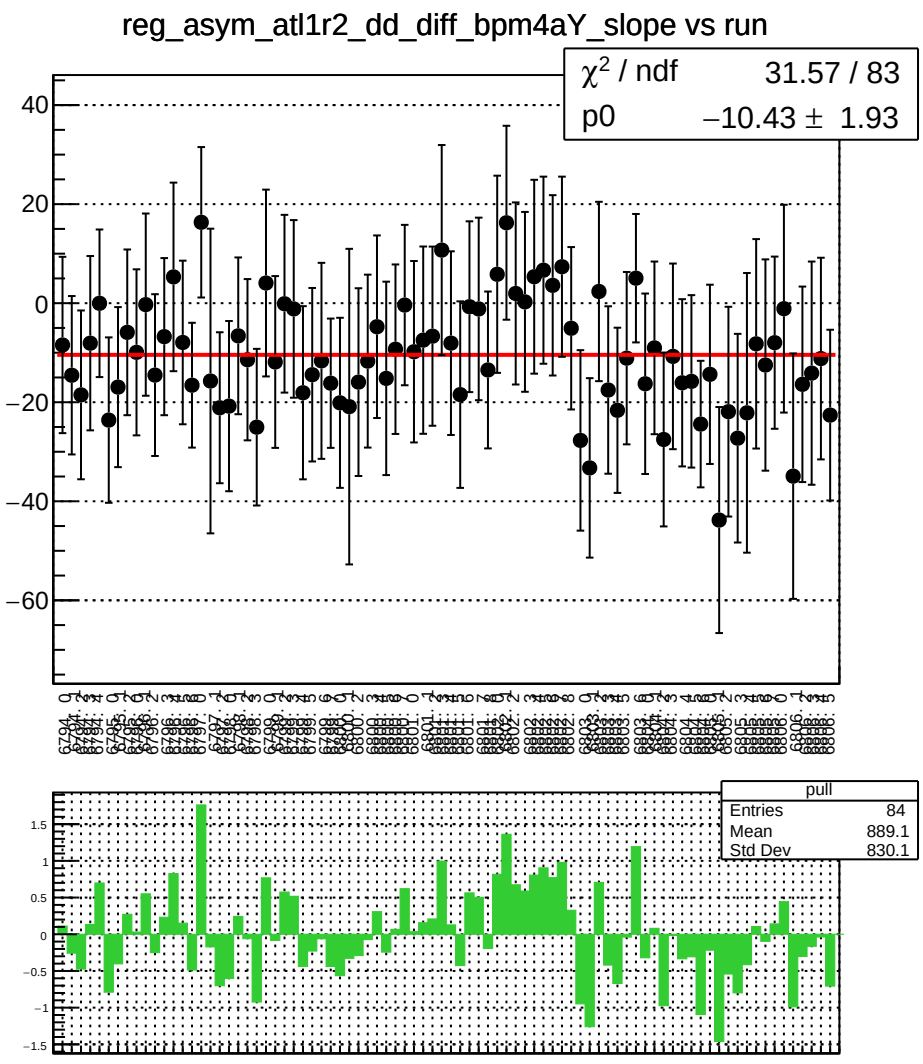

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 21.31 / 83
p0 18.03 ± 3.06
pull
Entries 84
Mean 375.3
Std Dev 350.3

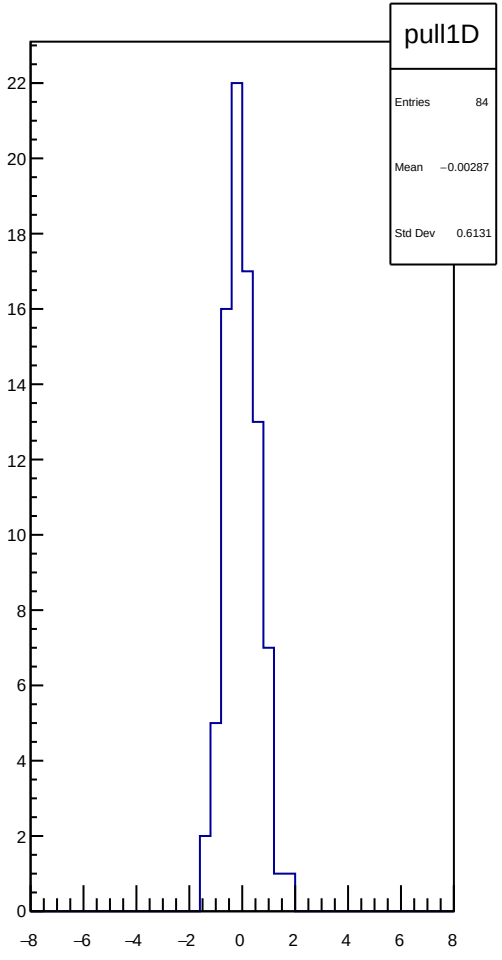

pull1D
Entries 84
Mean −0.008488
Std Dev 0.5036

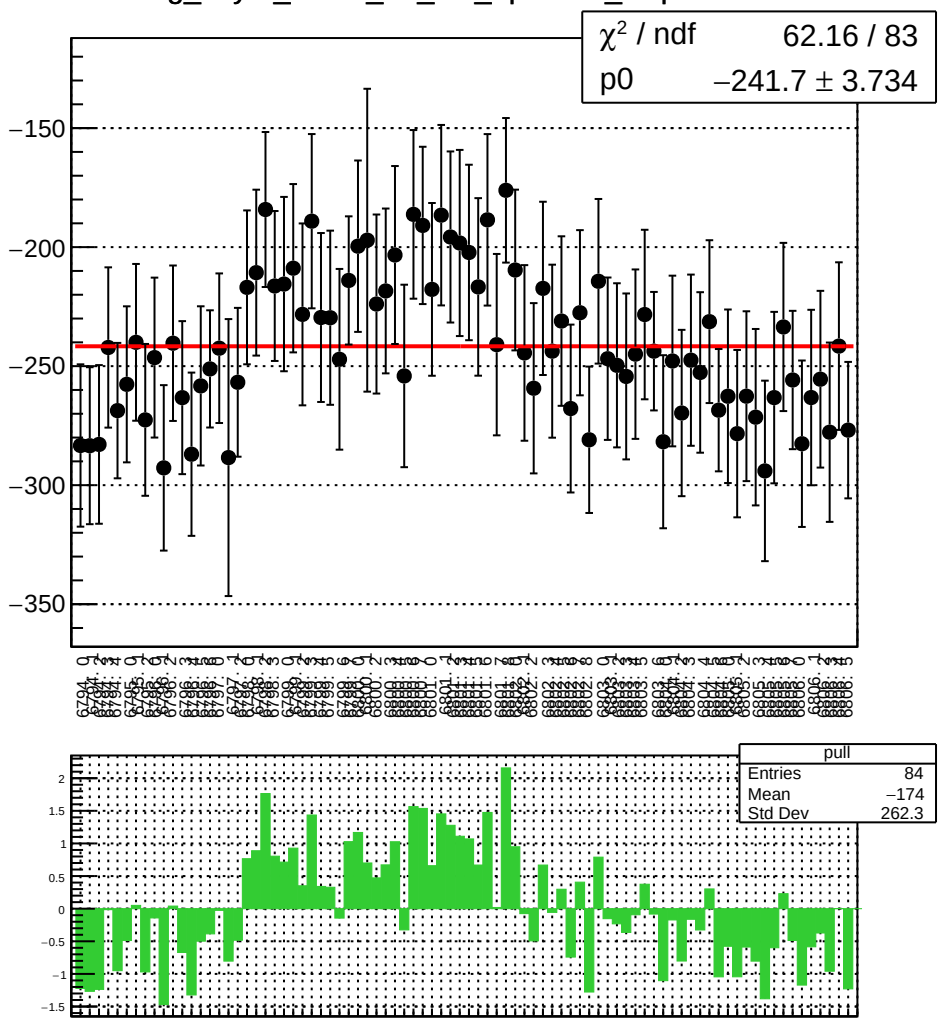

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 53.5 / 83
p0 −136.8 ± 0.1813
−132
−134
−136
−138
−140
−142
−144
pull
Entries 84
Mean 474.3
Std Dev 438.7
2
1
0
−1
−2
−3
−4

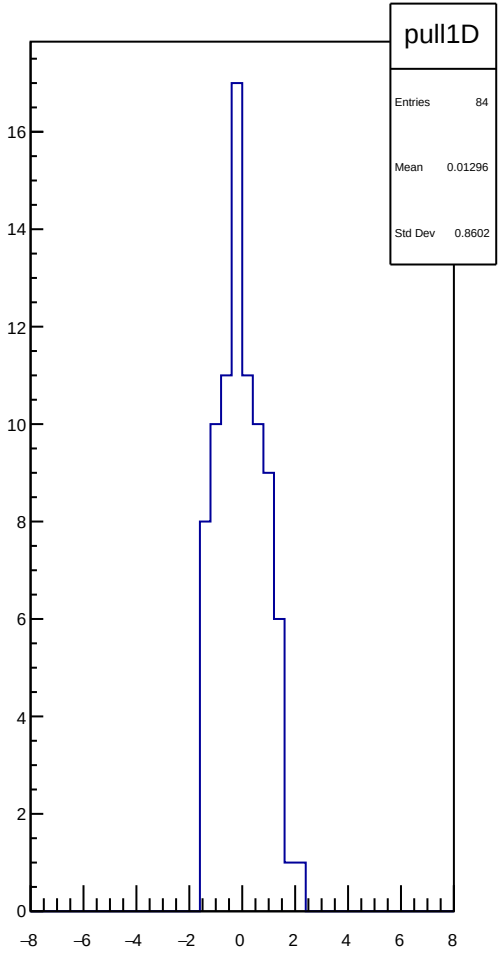

pull1D
Entries 84
Mean 0.006122
Std Dev 0.7981
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

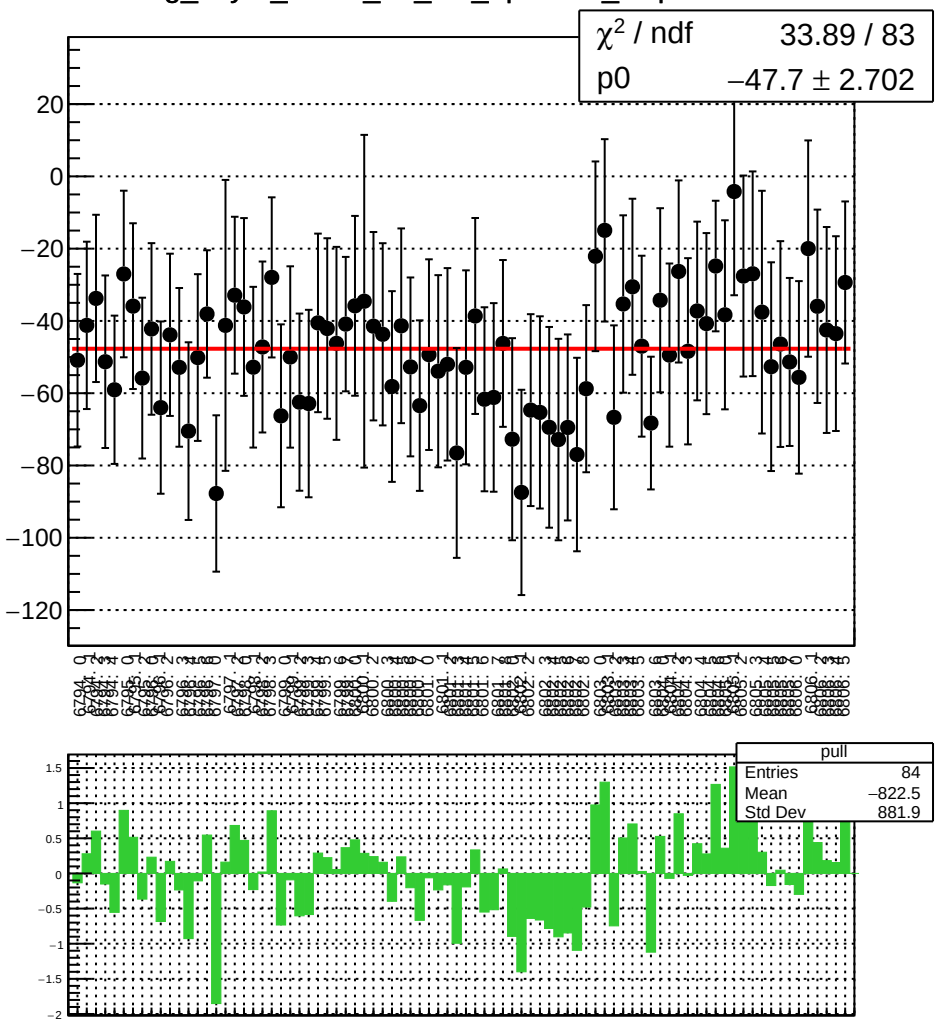

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 62.25 / 83
p0 222.2 ± 3.984
pull
Entries 84
Mean −213.4
Std Dev 300.4
pull1D
Entries 84
Mean −0.01146
Std Dev 0.8608

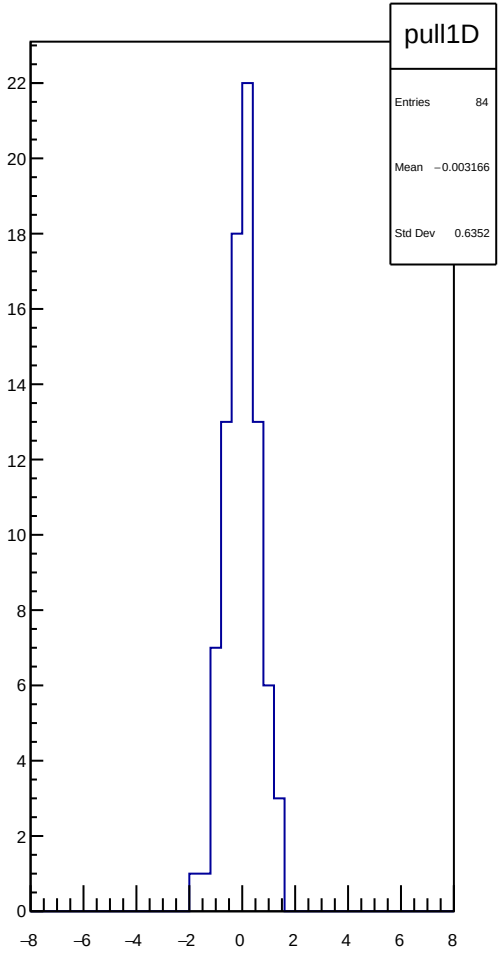

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 31.57 / 83
p0 −10.43 ± 1.93
pull
Entries 84
Mean 889.1
Std Dev 830.1

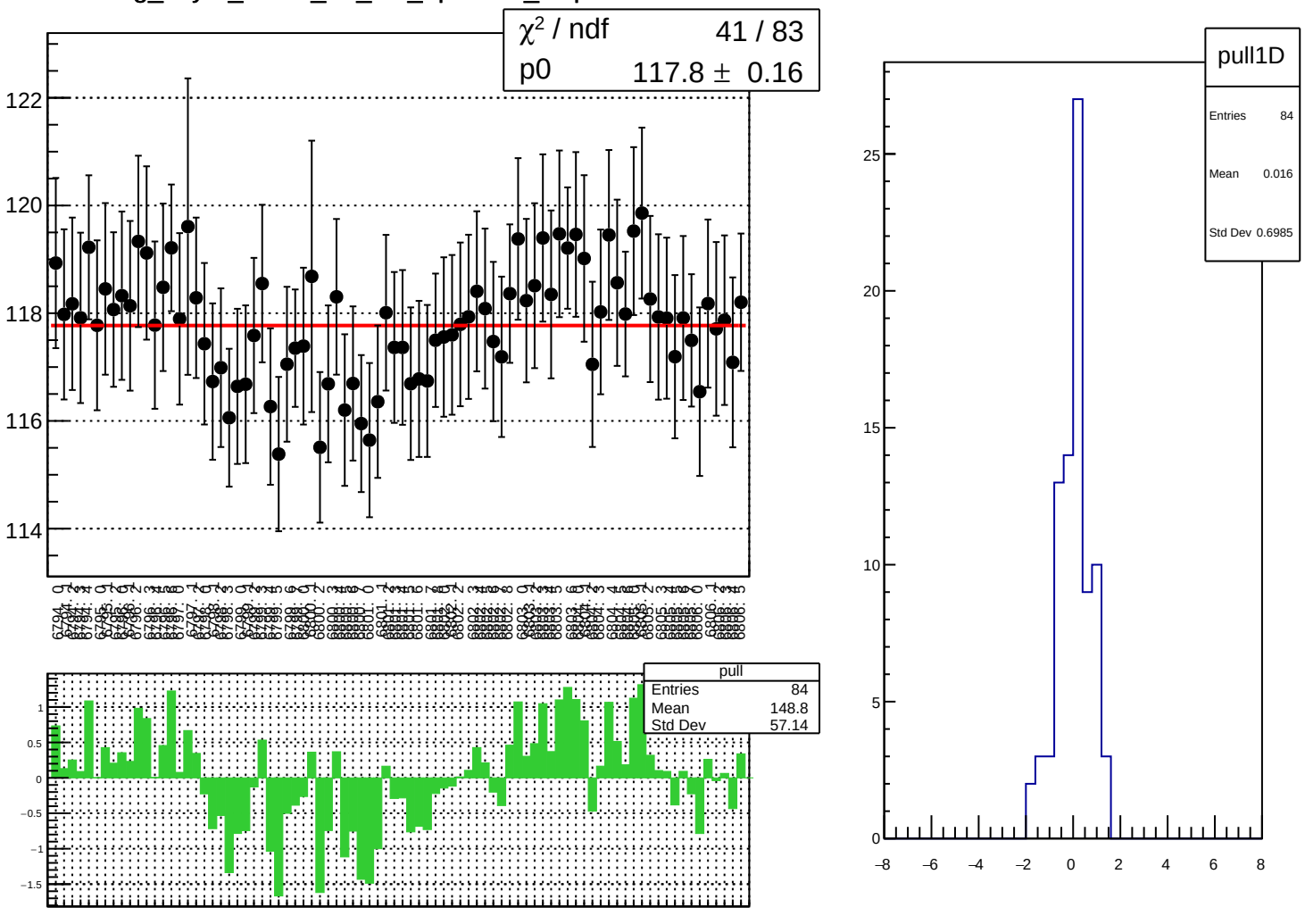

pull1D
Entries 84
Mean −0.00287
Std Dev 0.6131

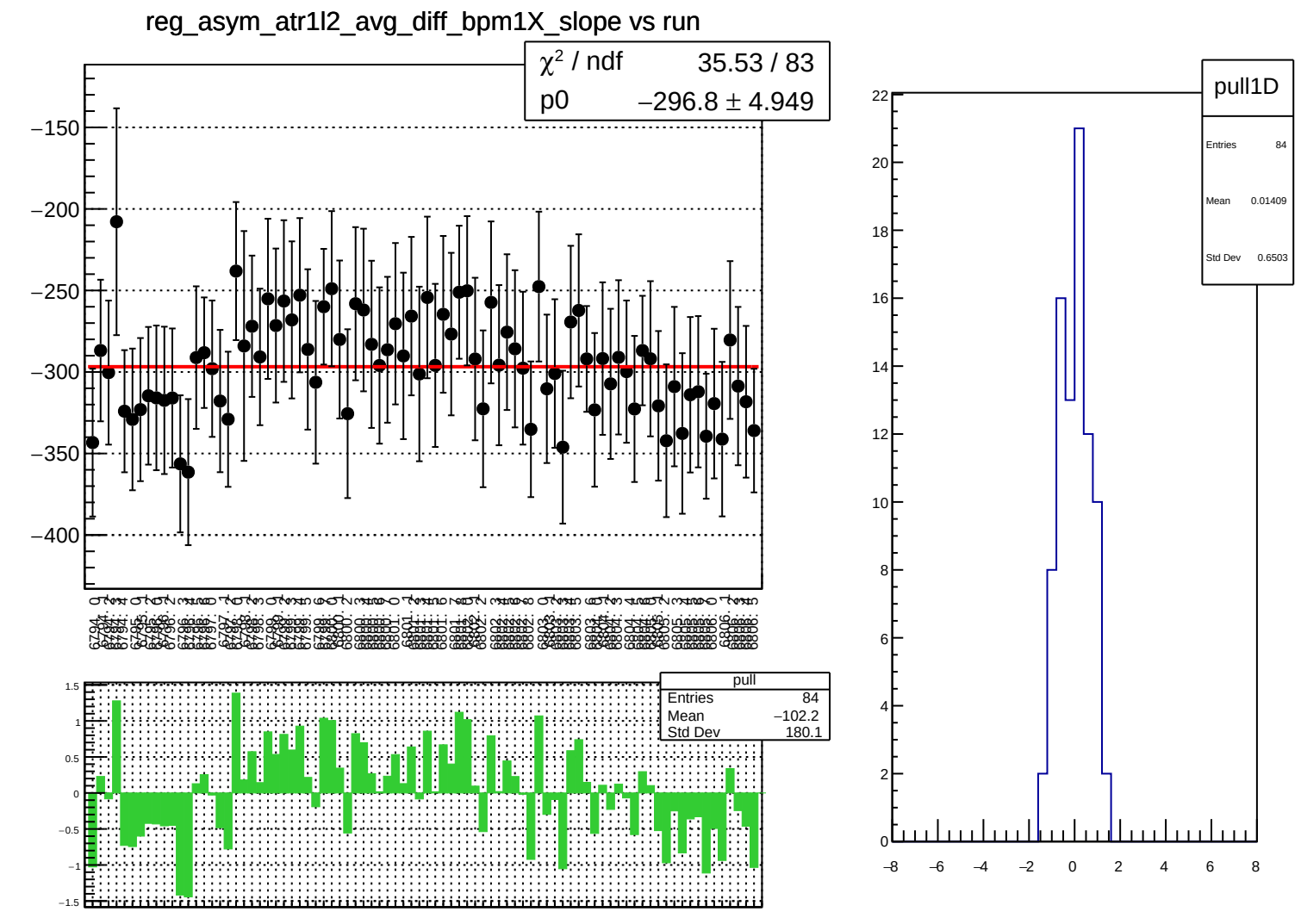

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 62.16 / 83
p0 −241.7 ± 3.734
pull
Entries 84
Mean −174
Std Dev 262.3

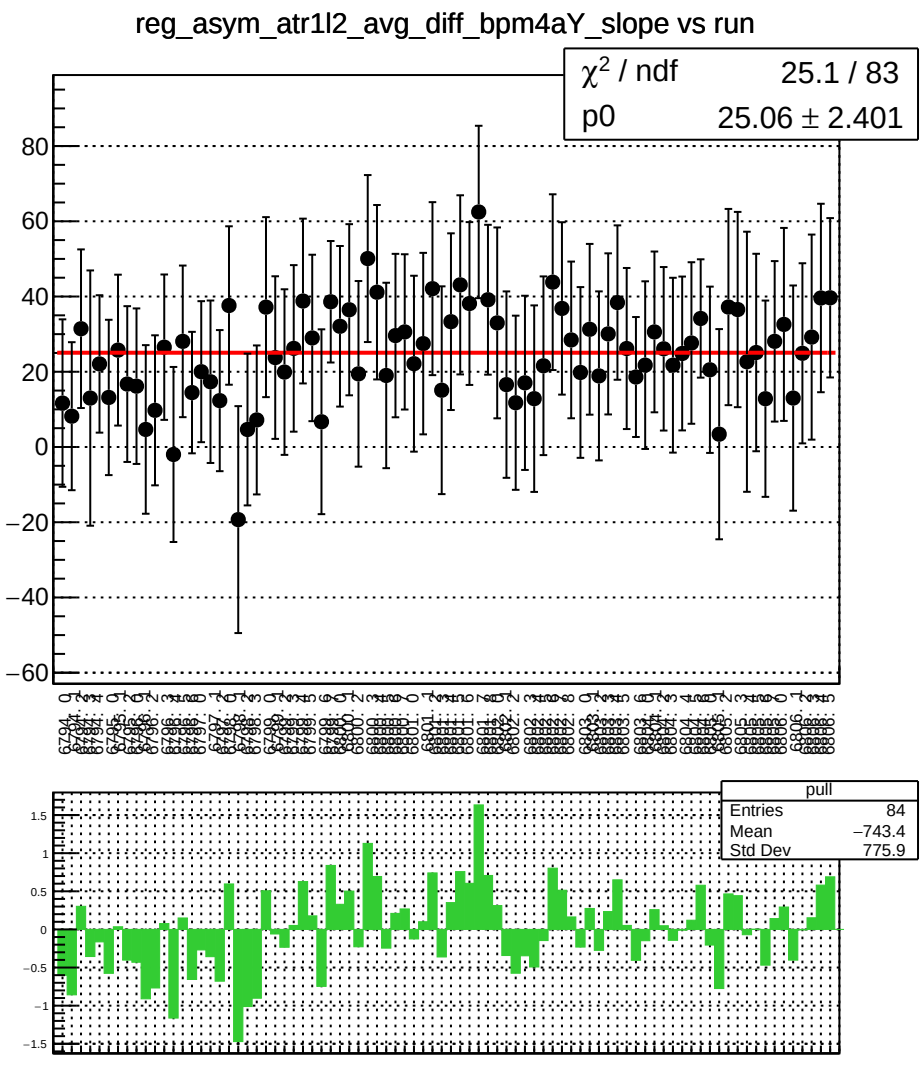

pull1D
Entries 84
Mean 0.01296
Std Dev 0.8602

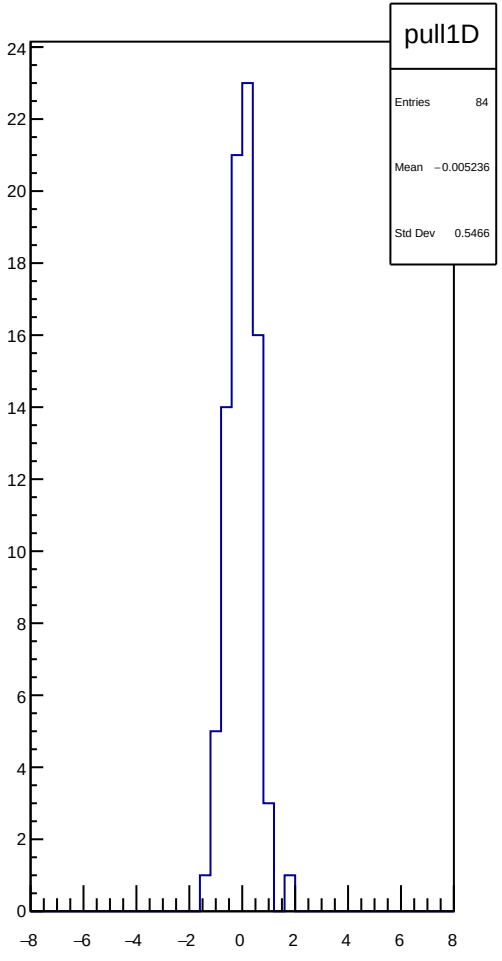

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 33.89 / 83
p0 −47.7 ± 2.702
pull
Entries 84
Mean −822.5
Std Dev 881.9

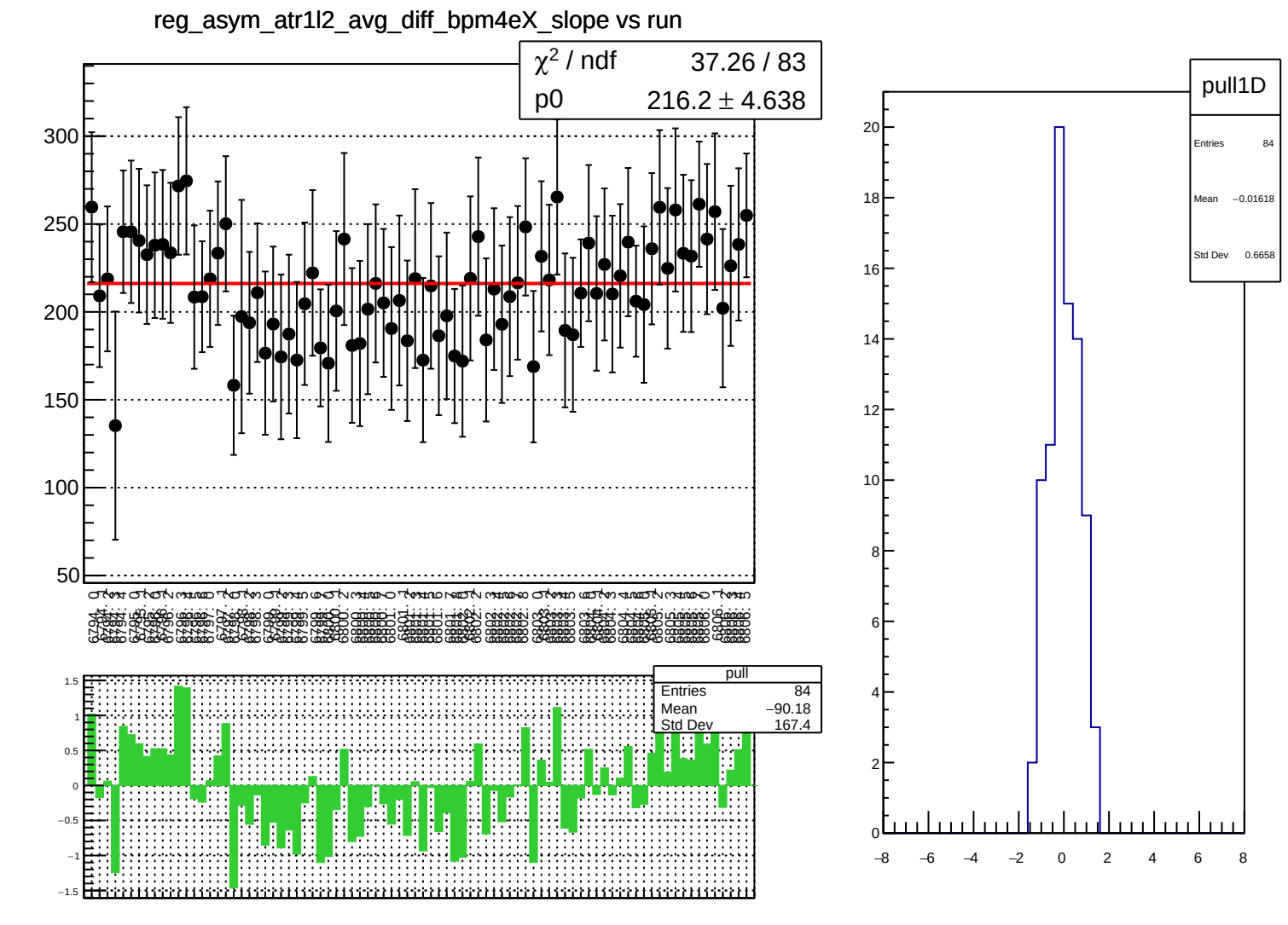

pull1D
Entries 84
Mean −0.003166
Std Dev 0.6352

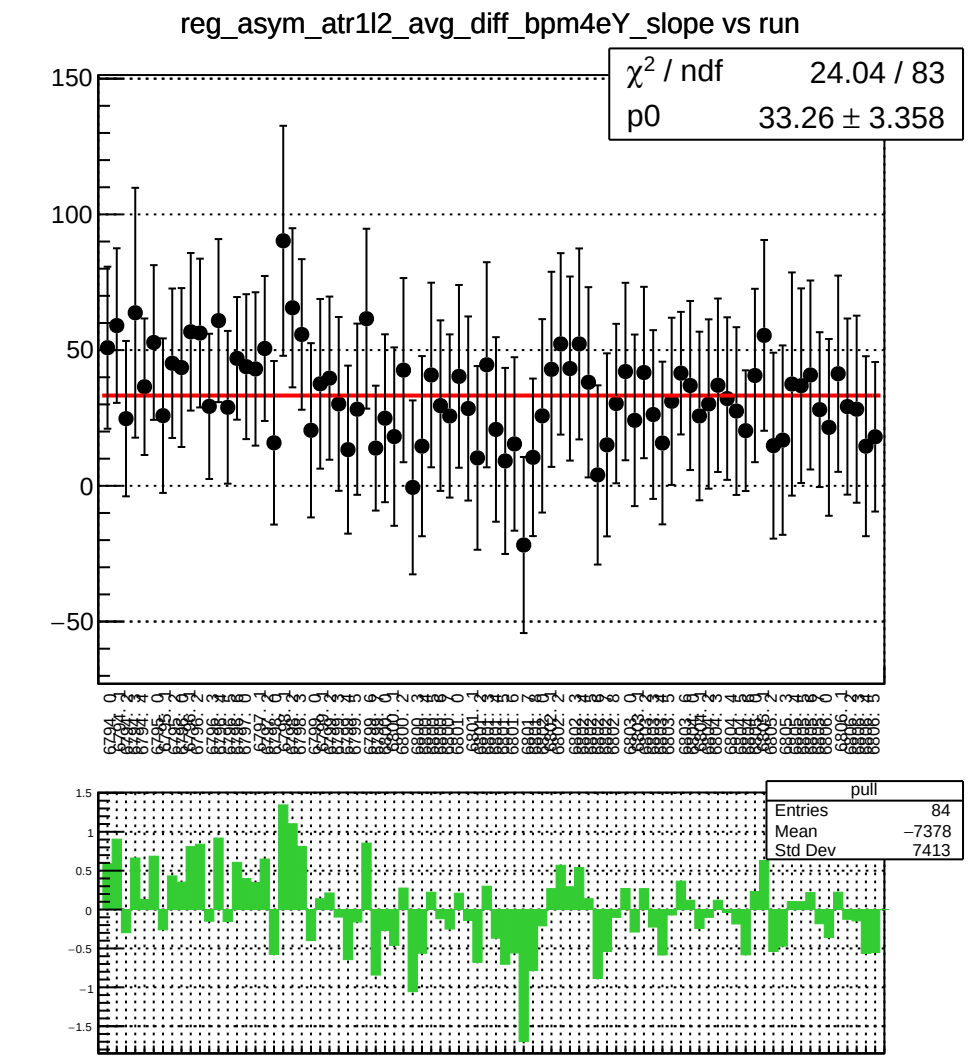

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 41 / 83
p0 117.8 ± 0.16
122
120
118
116
114
pull
Entries 84
Mean 148.8
Std Dev 57.14
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 84
Mean 0.016
Std Dev 0.6985
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

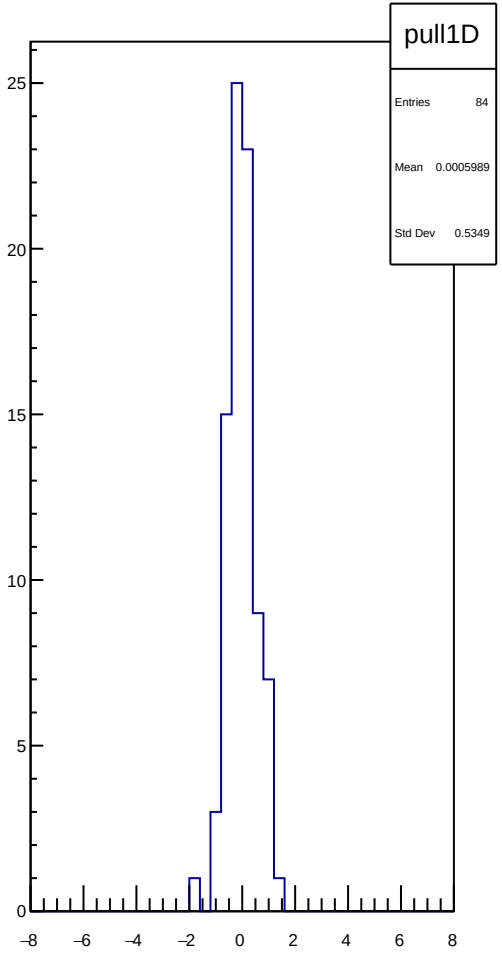

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 35.53 / 83
p0 −296.8 ± 4.949
pull
Entries 84
Mean −102.2
Std Dev 180.1
pull1D
Entries 84
Mean 0.01409
Std Dev 0.6503

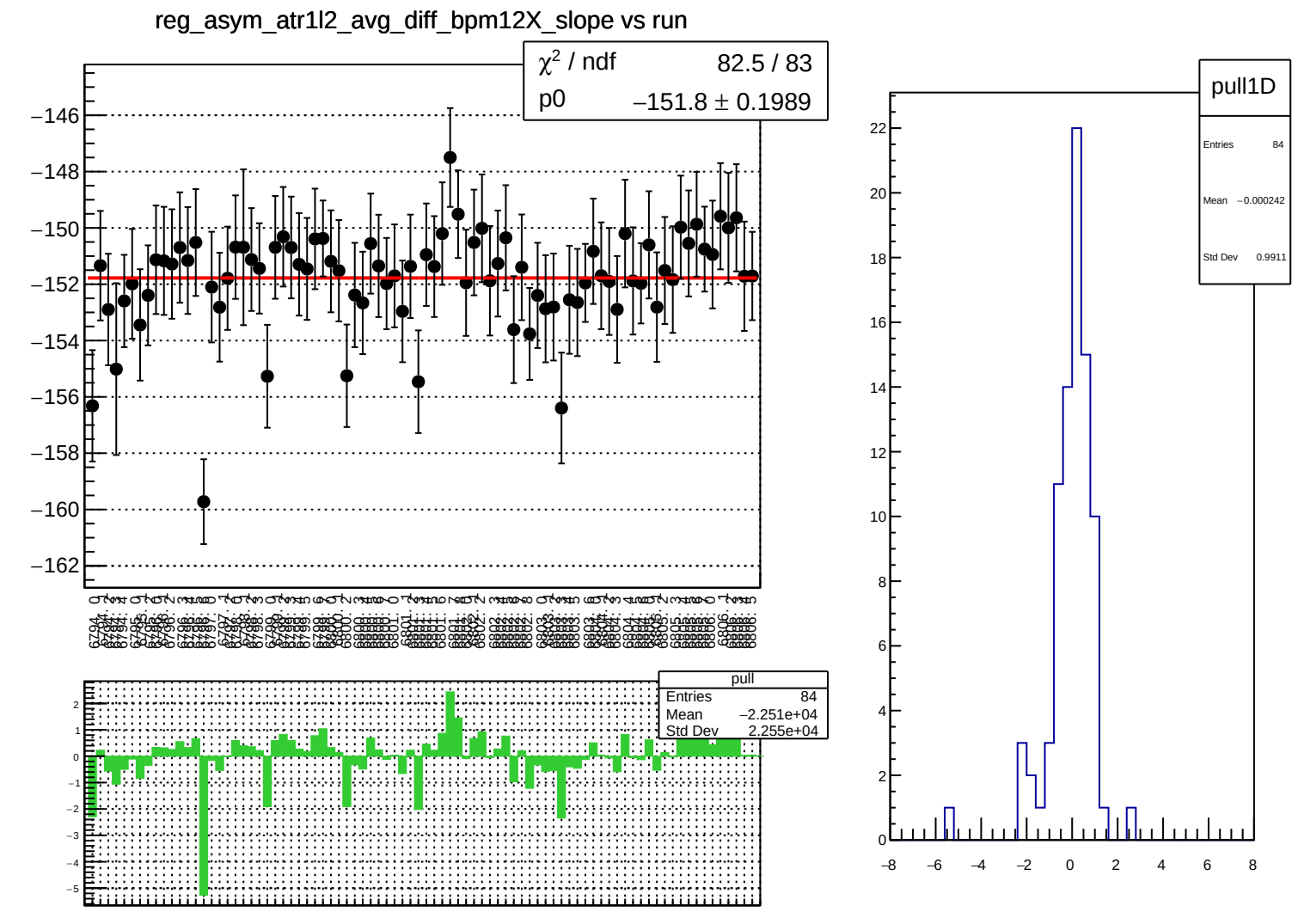

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 25.1 / 83
p0 25.06 ± 2.401
pull
Entries 84
Mean −743.4
Std Dev 775.9

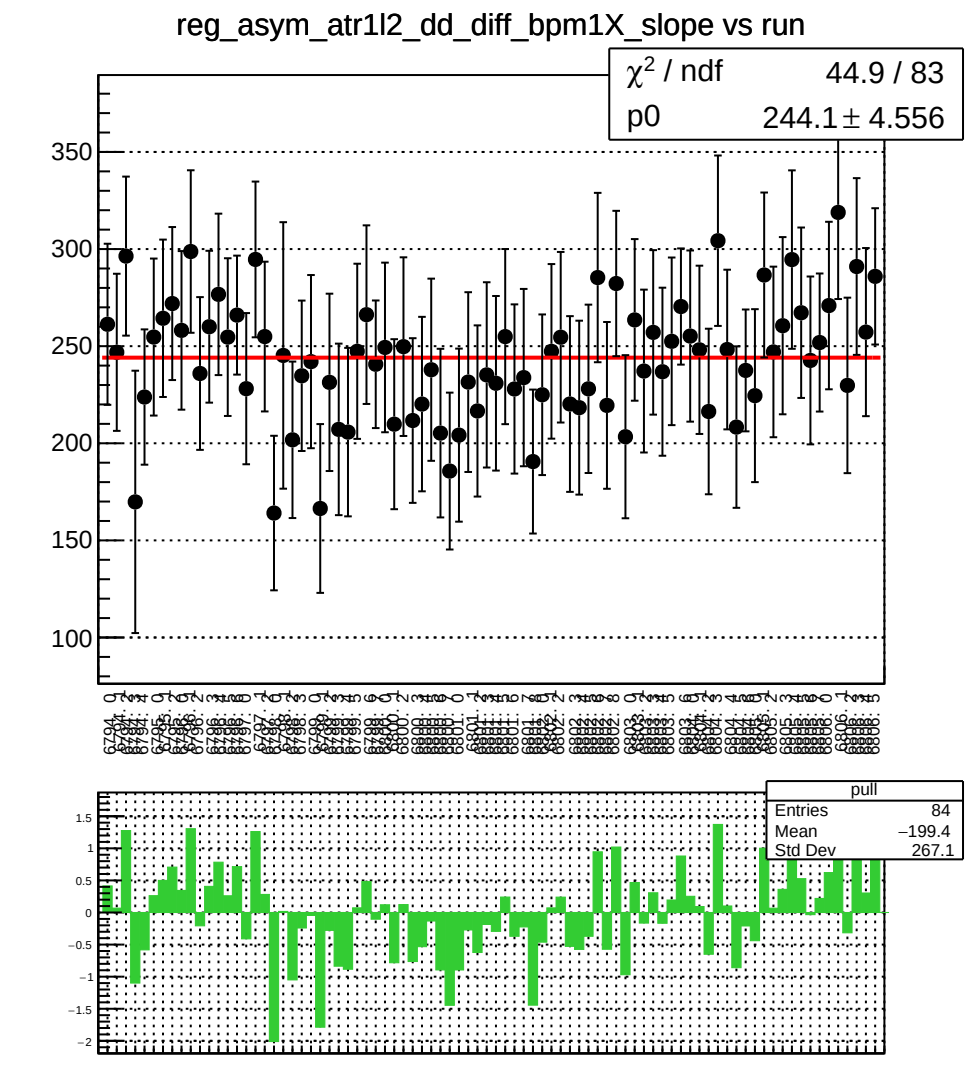

pull1D
Entries 84
Mean −0.005236
Std Dev 0.5466

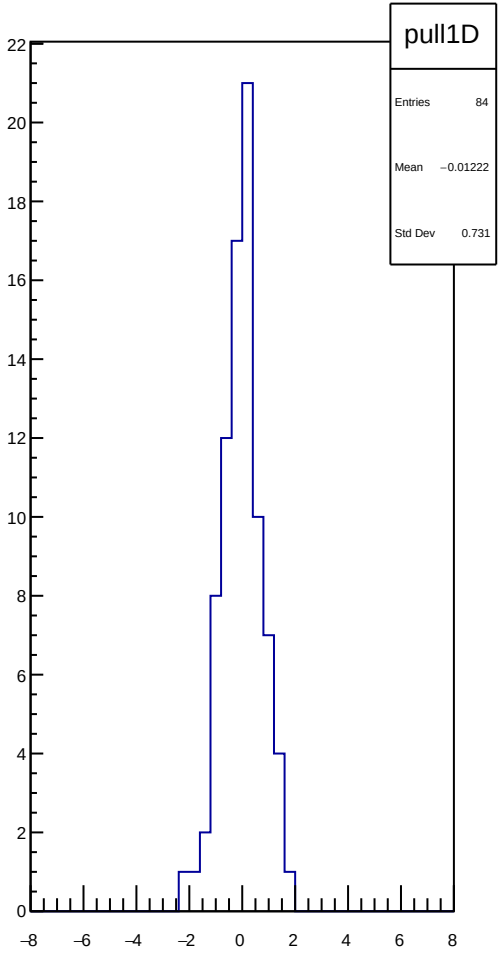

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 37.26 / 83
p0 216.2 ± 4.638
pull
Entries 84
Mean −90.18
Std Dev 167.4
pull1D
Entries 84
Mean −0.01618
Std Dev 0.6658

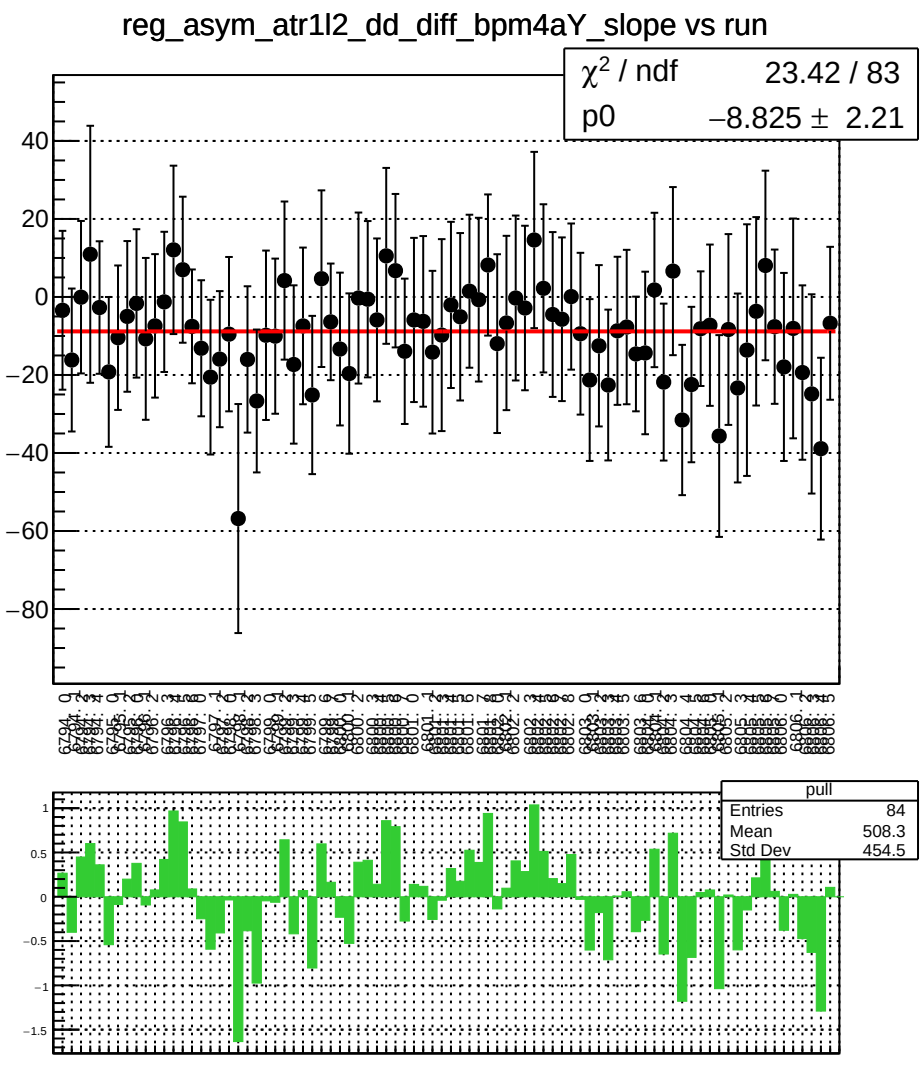

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 24.04 / 83
p0 33.26 ± 3.358
150
100
50
0
−50
pull
Entries 84
Mean −7378
Std Dev 7413
1.5
1
0.5
0
−0.5
−1
−1.5

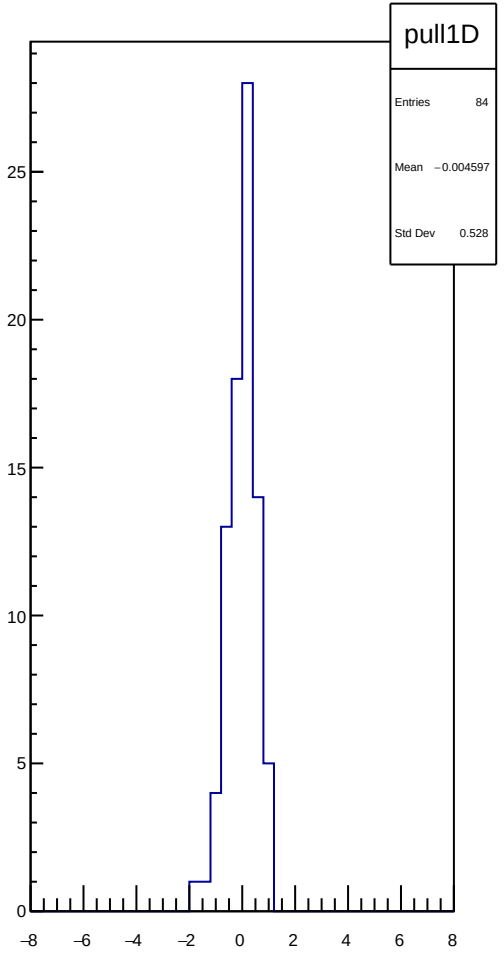

pull1D
Entries 84
Mean 0.0005989
Std Dev 0.5349
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

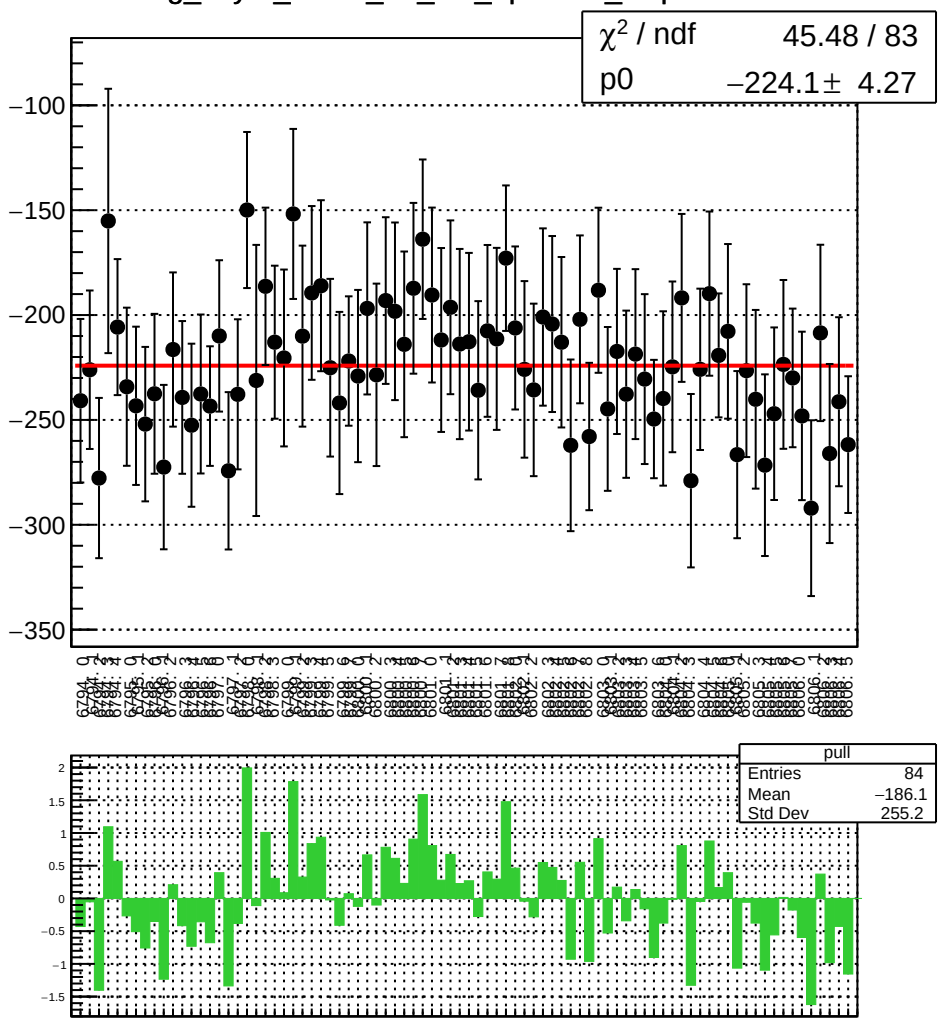

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 82.5 / 83
p0 −151.8 ± 0.1989
pull
Entries 84
Mean −2.251e+04
Std Dev 2.255e+04
pull1D
Entries 84
Mean −0.000242
Std Dev 0.9911

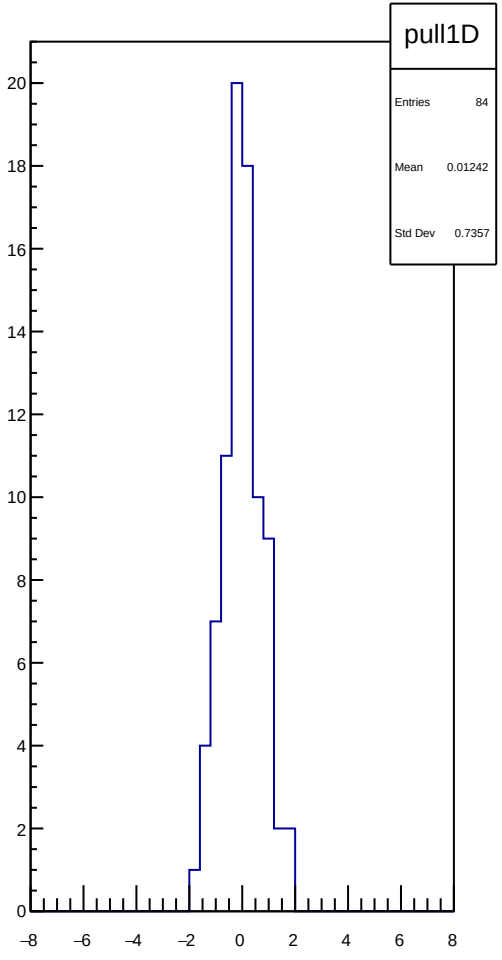

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 44.9 / 83
p0 244.1 ± 4.556
pull
Entries 84
Mean −199.4
Std Dev 267.1

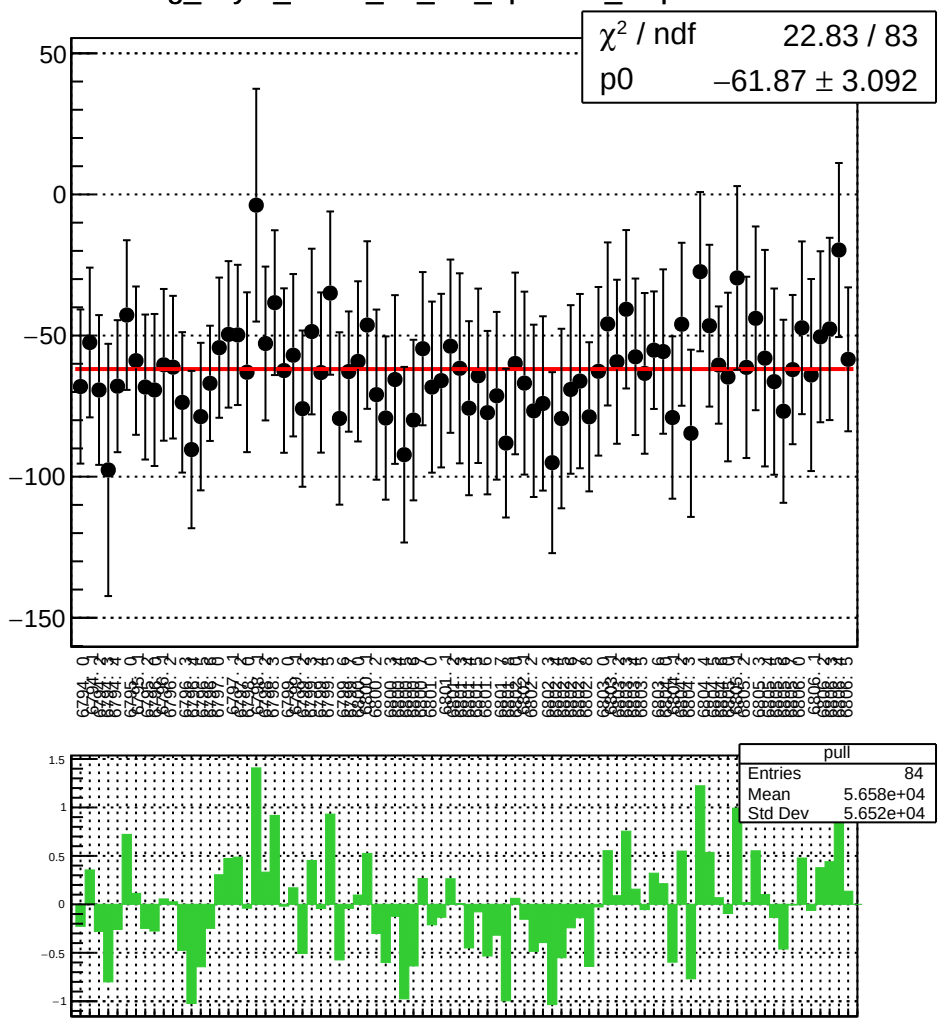

pull1D
Entries 84
Mean −0.01222
Std Dev 0.731

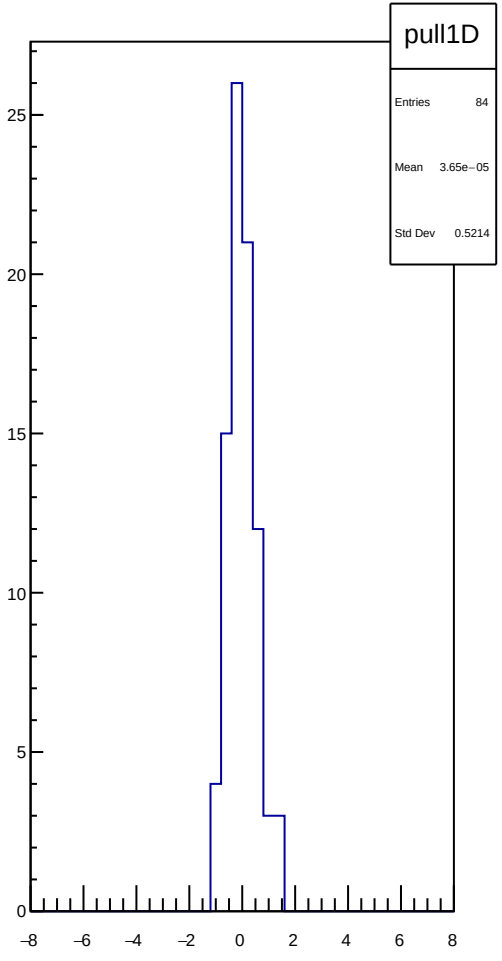

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 23.42 / 83
p0 −8.825 ± 2.21
pull
Entries 84
Mean 508.3
Std Dev 454.5

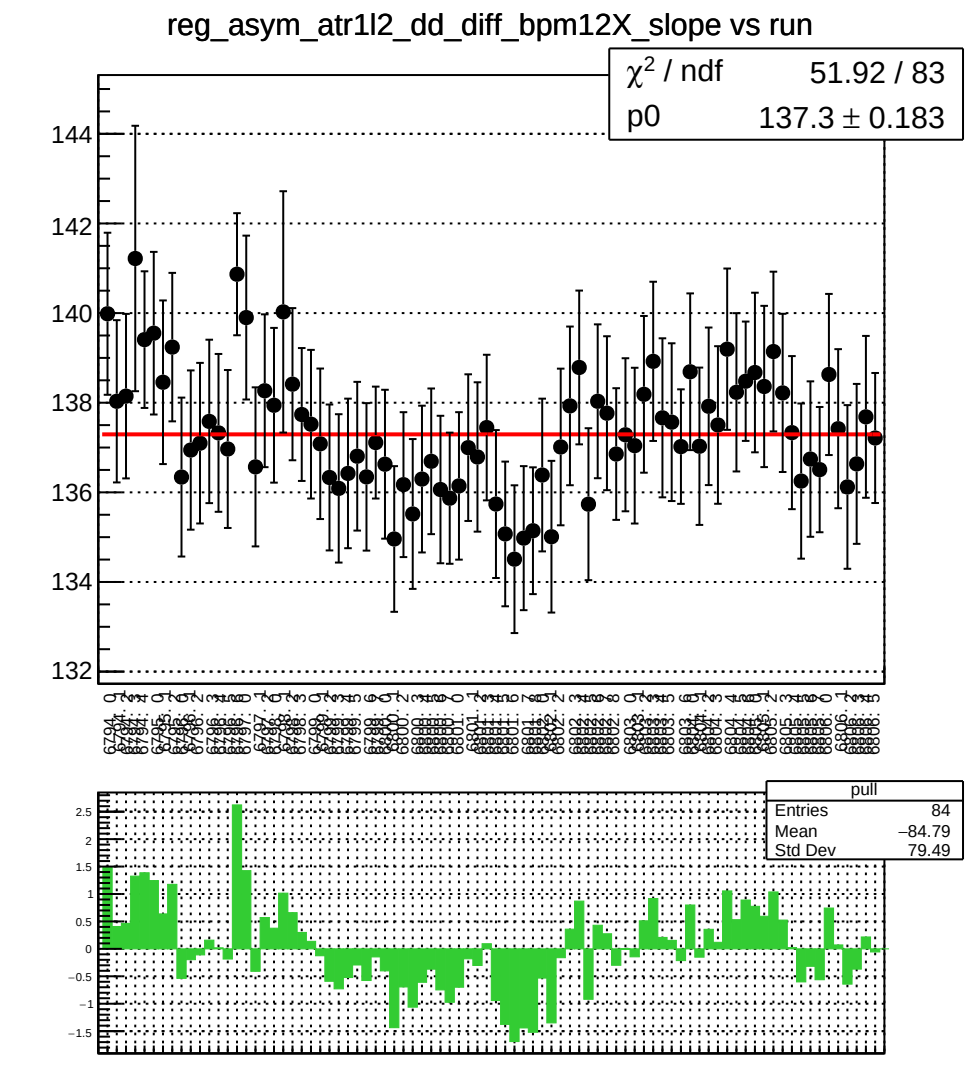

pull1D
Entries 84
Mean −0.004597
Std Dev 0.528

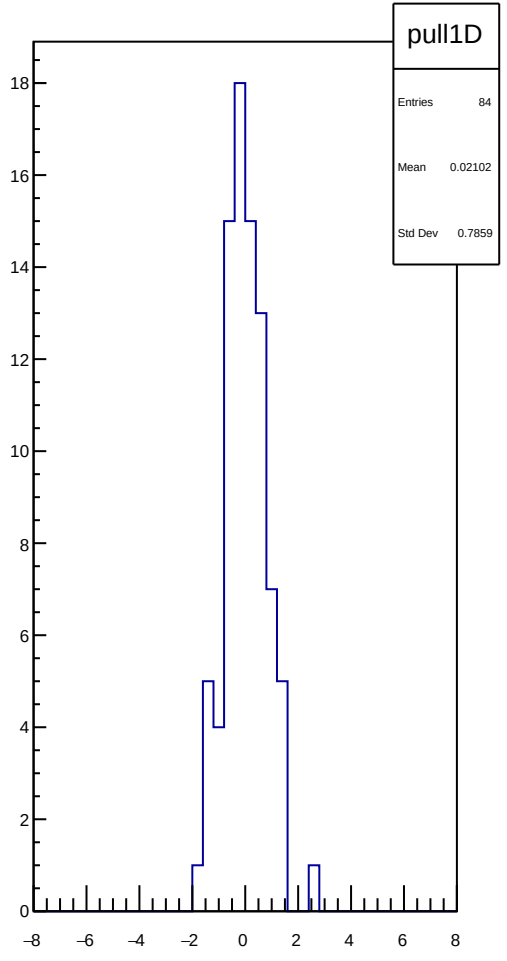

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 45.48 / 83
p0 −224.1± 4.27
pull
Entries 84
Mean −186.1
Std Dev 255.2

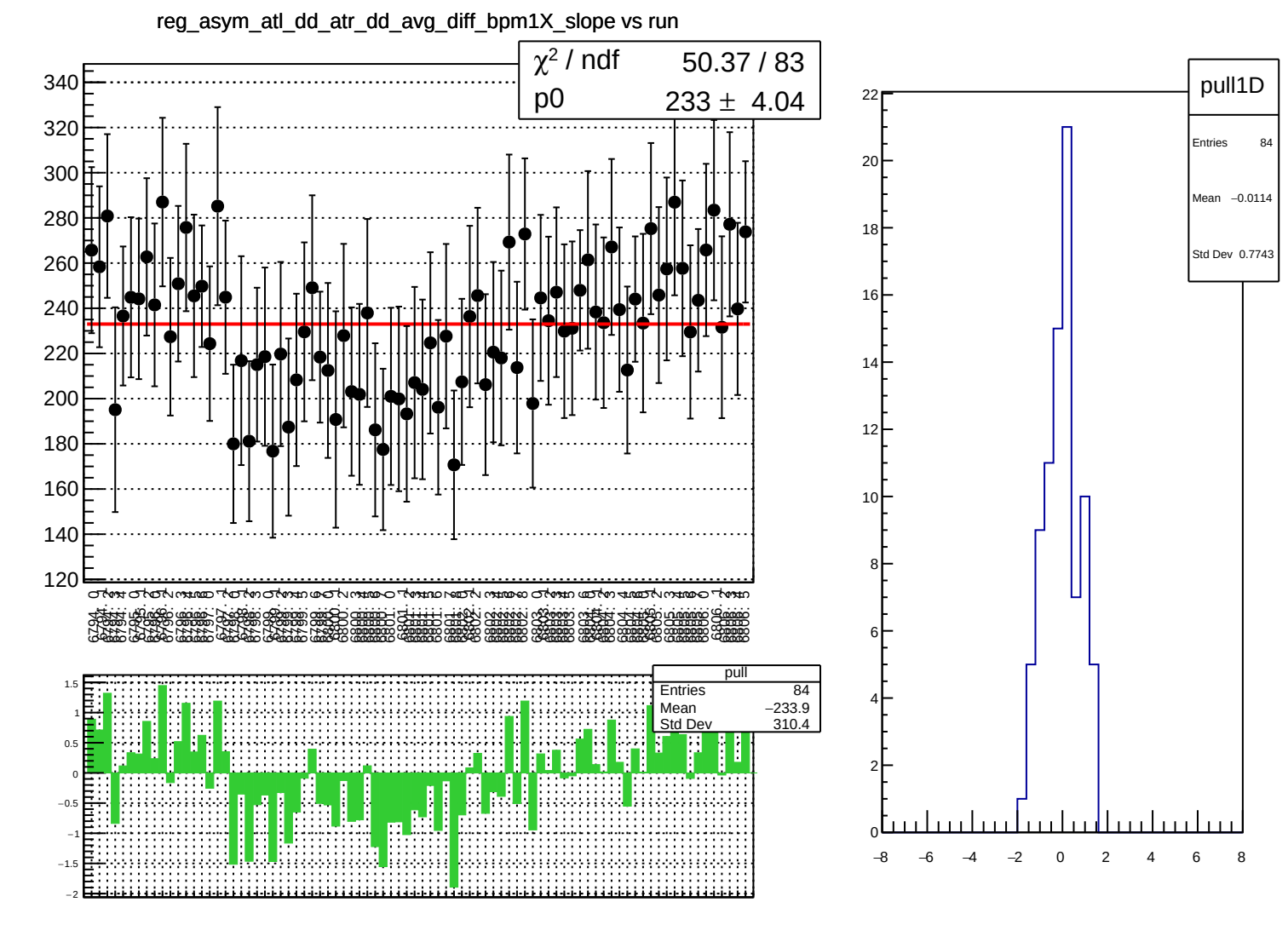

pull1D
Entries 84
Mean 0.01242
Std Dev 0.7357

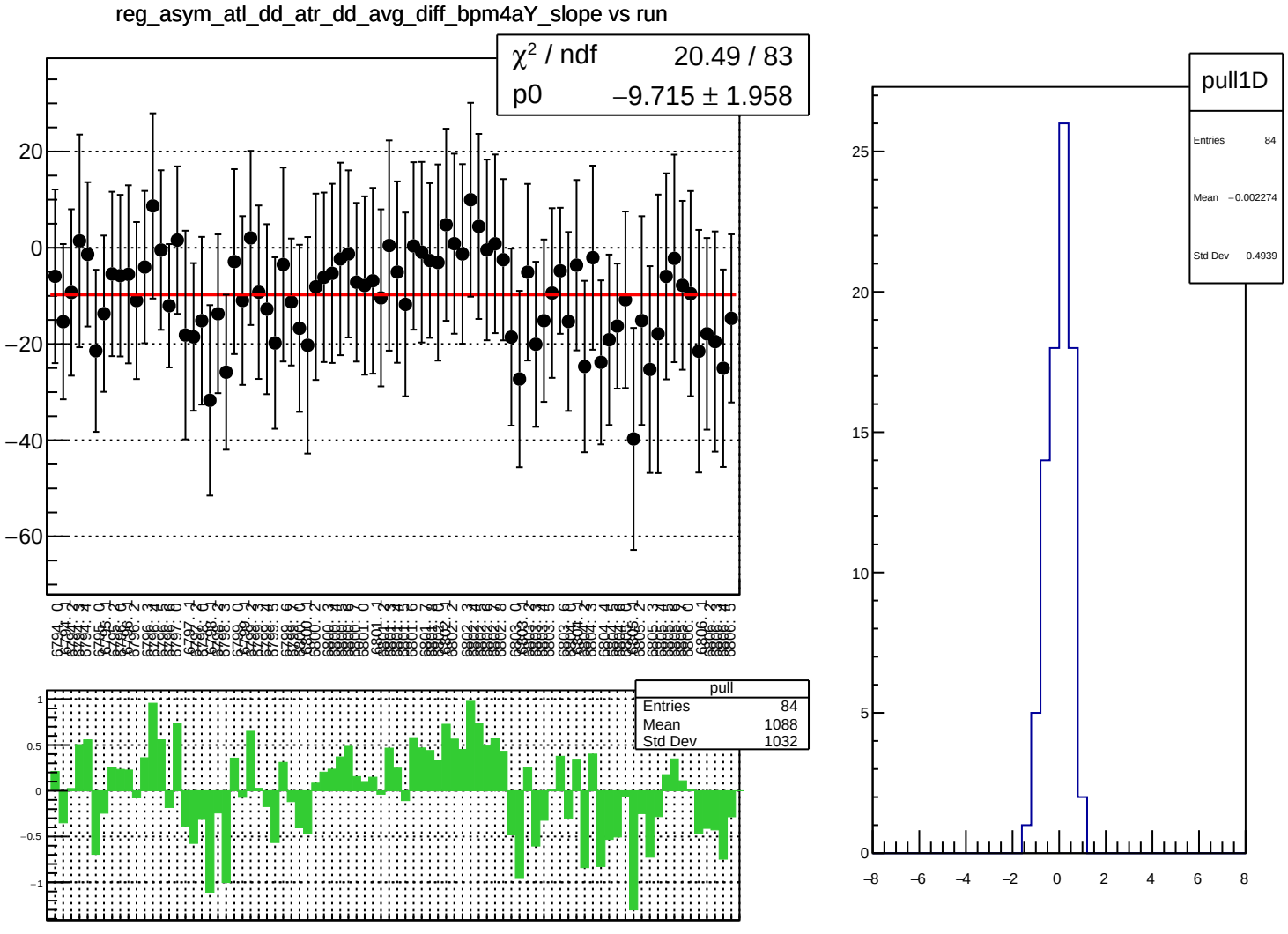

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 22.83 / 83
p0 −61.87 ± 3.092
pull
Entries 84
Mean 5.658e+04
Std Dev 5.652e+04

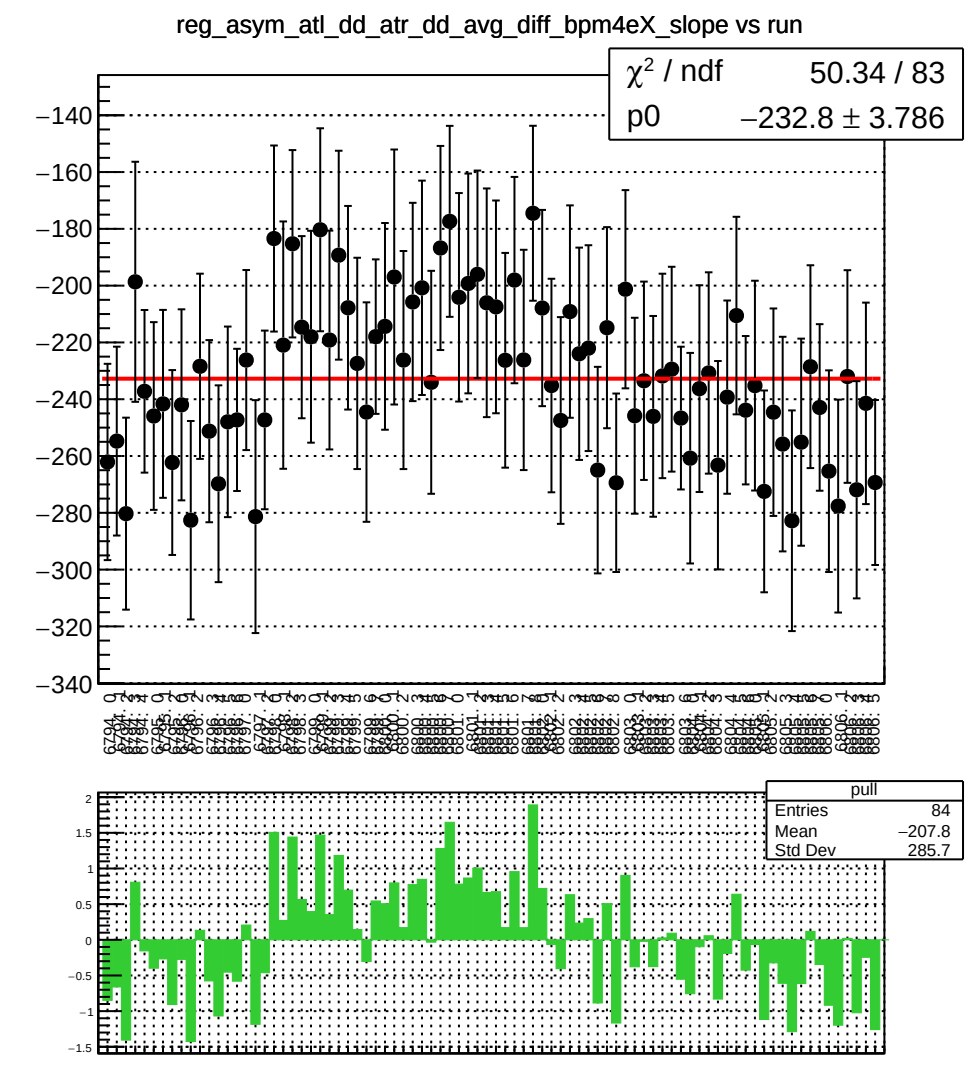

pull1D
Entries 84
Mean 3.65e−05
Std Dev 0.5214

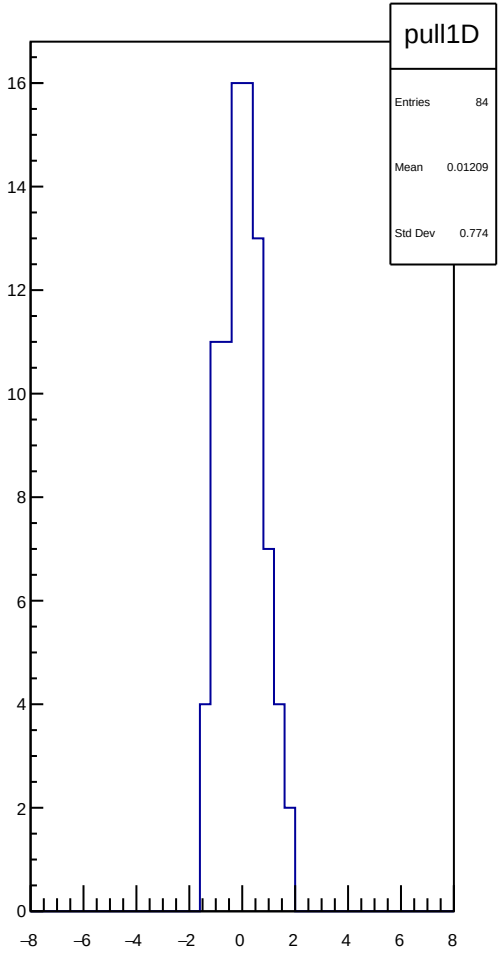

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 51.92 / 83
p0 137.3 ± 0.183
144
142
140
138
136
134
132
pull
Entries 84
Mean −84.79
Std Dev 79.49
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

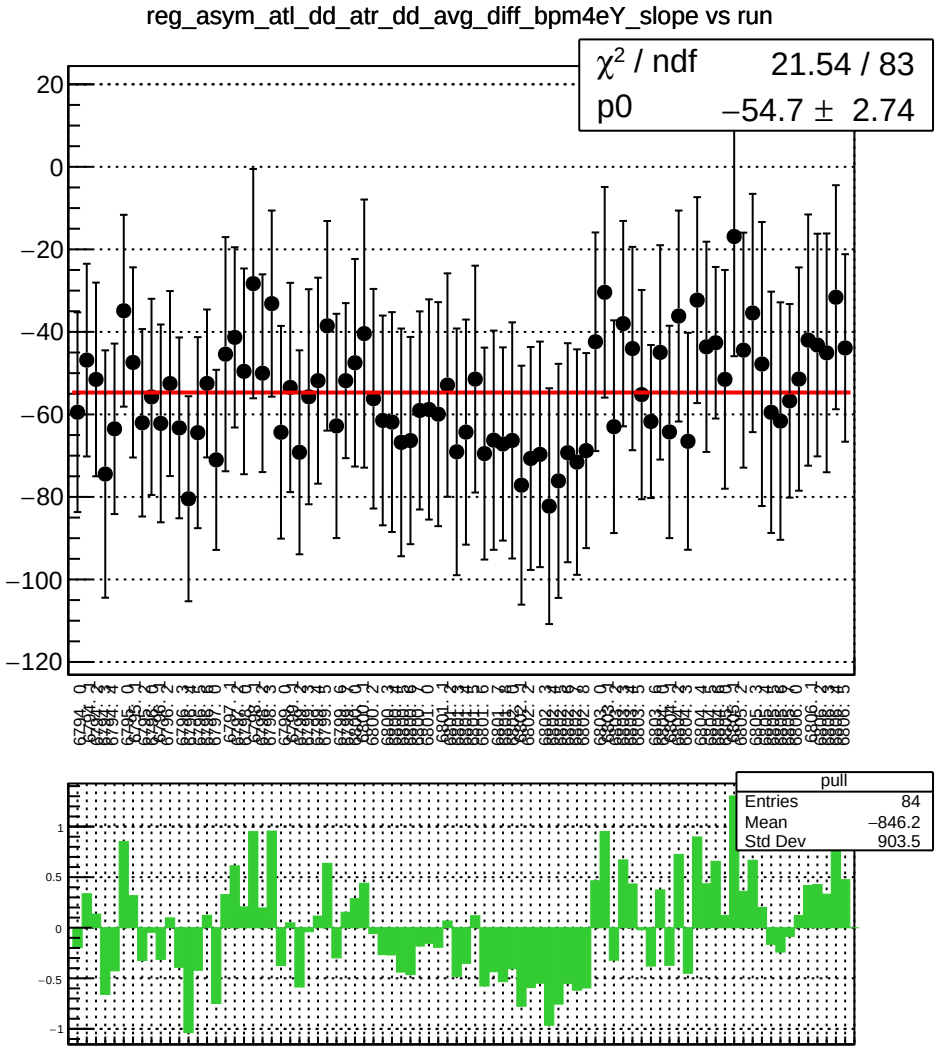

pull1D
Entries 84
Mean 0.02102
Std Dev 0.7859
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

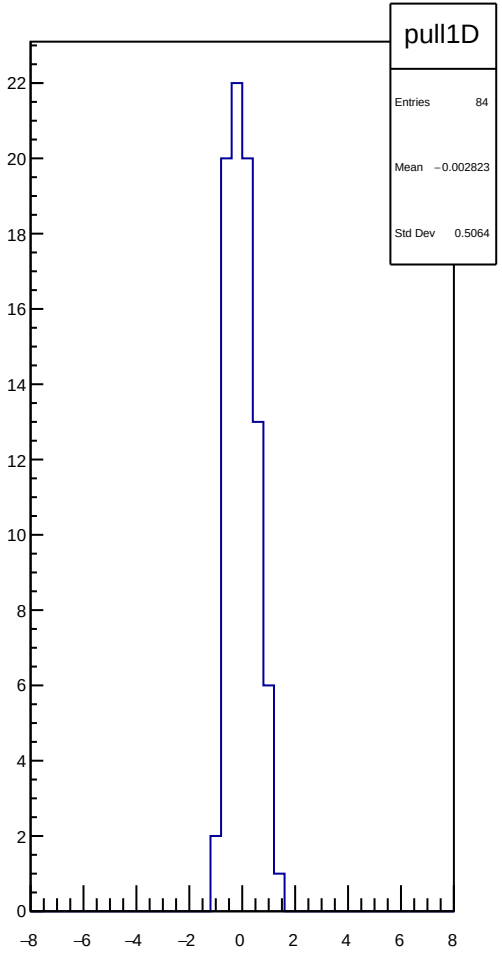

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 50.37 / 83
p0 233 ± 4.04
pull
Entries 84
Mean −233.9
Std Dev 310.4
pull1D
Entries 84
Mean −0.0114
Std Dev 0.7743

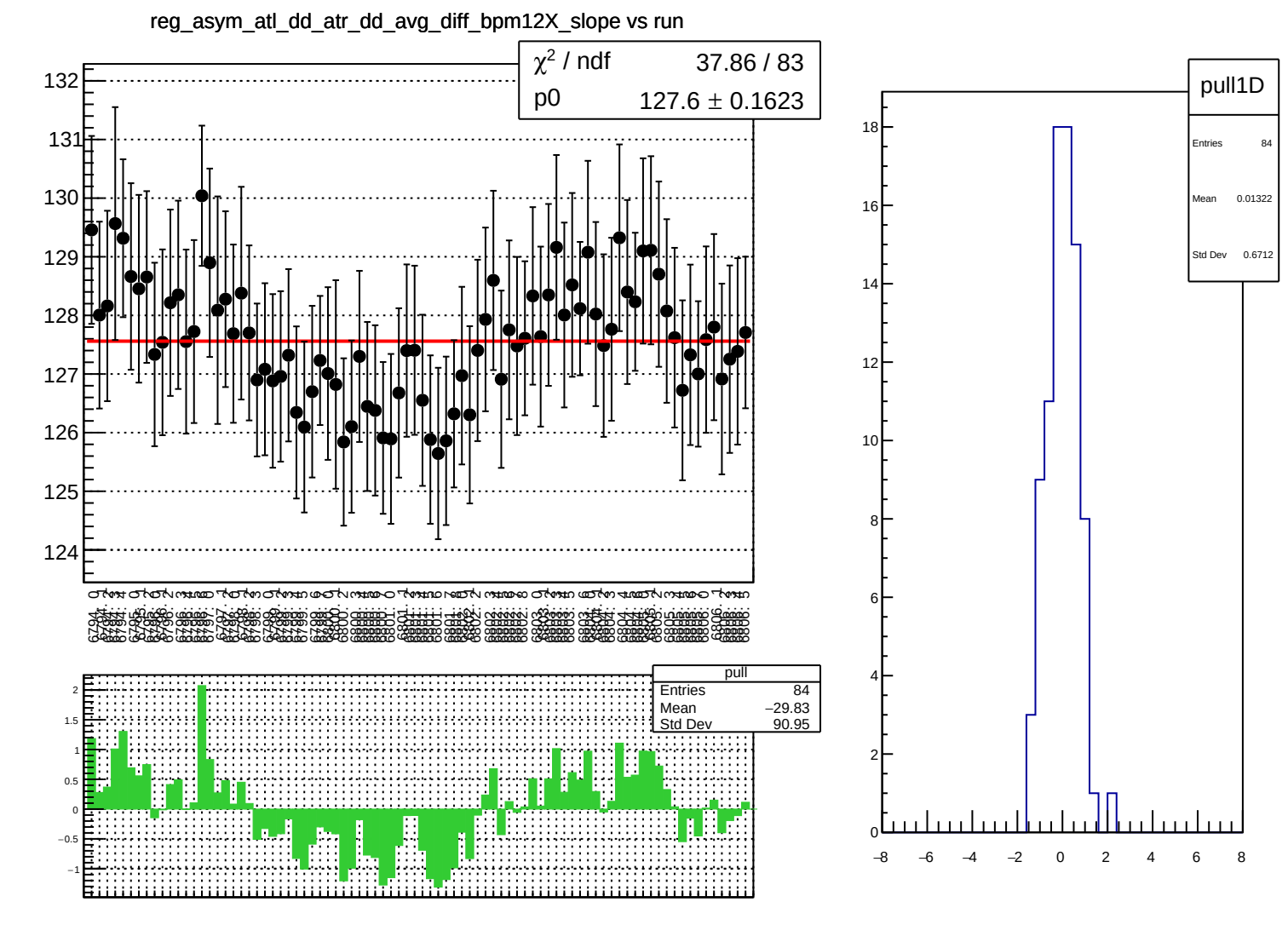

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 20.49 / 83
p0 −9.715 ± 1.958
pull
Entries 84
Mean 1088
Std Dev 1032
pull1D
Entries 84
Mean −0.002274
Std Dev 0.4939

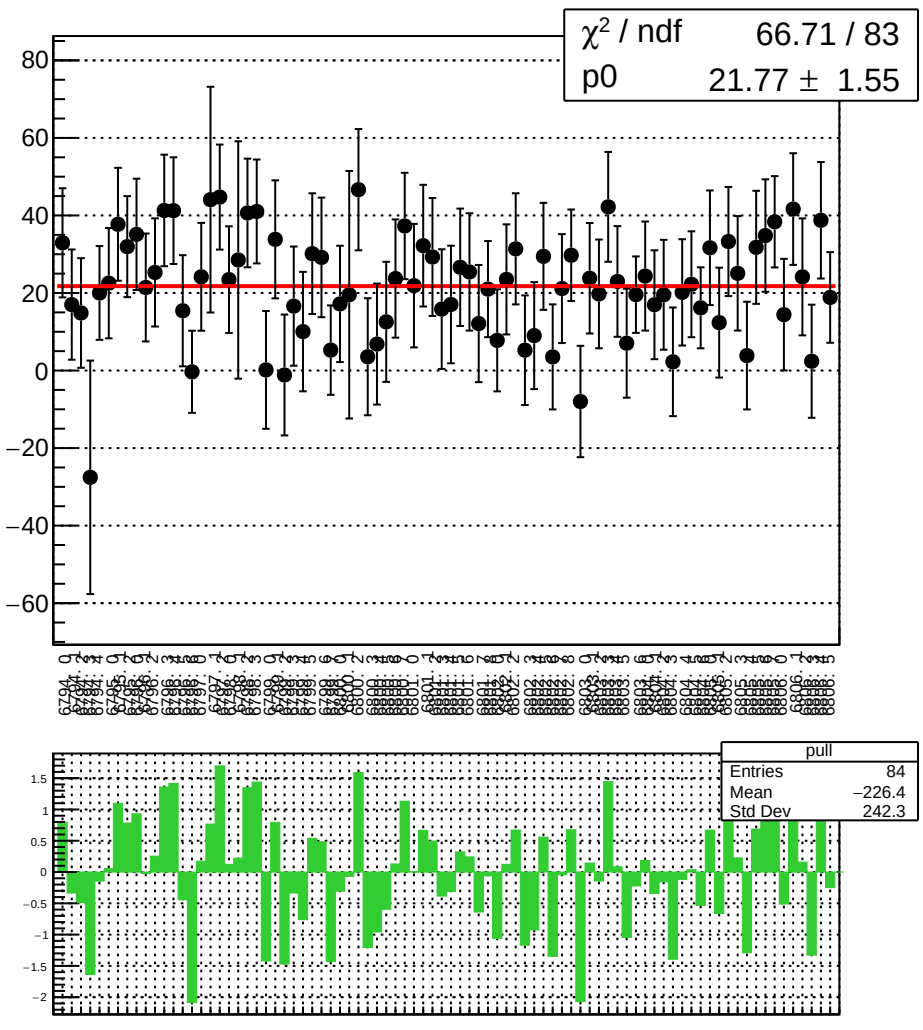

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 50.34 / 83
p0 −232.8 ± 3.786
pull
Entries 84
Mean −207.8
Std Dev 285.7

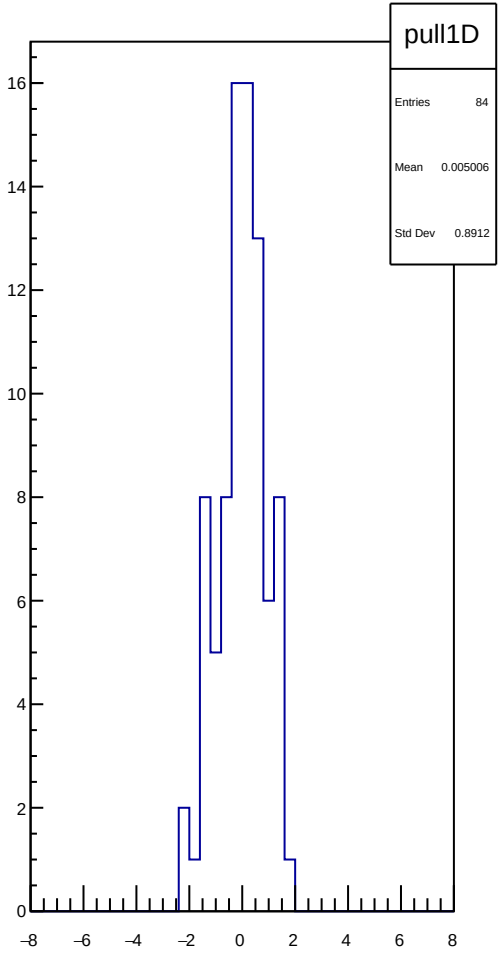

pull1D
Entries 84
Mean 0.01209
Std Dev 0.774

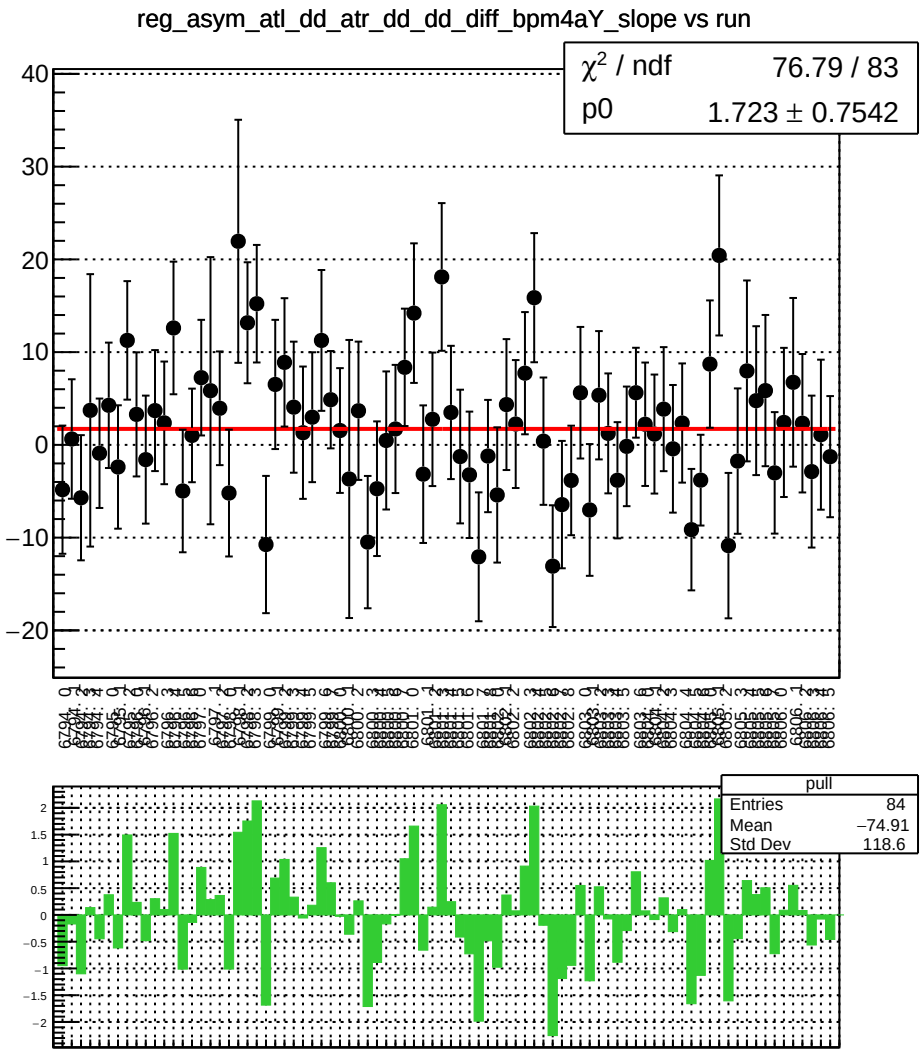

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 21.54 / 83
p0 −54.7 ± 2.74
pull
Entries 84
Mean −846.2
Std Dev 903.5

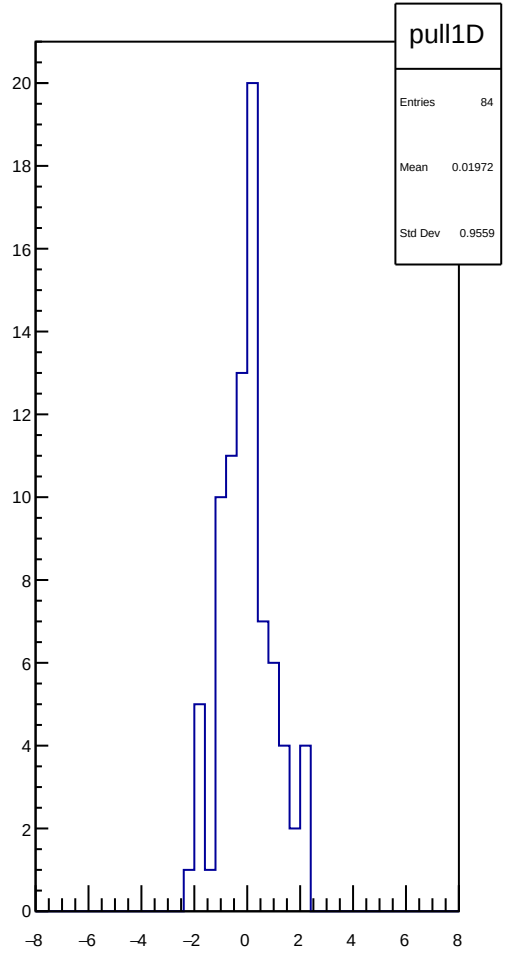

pull1D
Entries 84
Mean −0.002823
Std Dev 0.5064

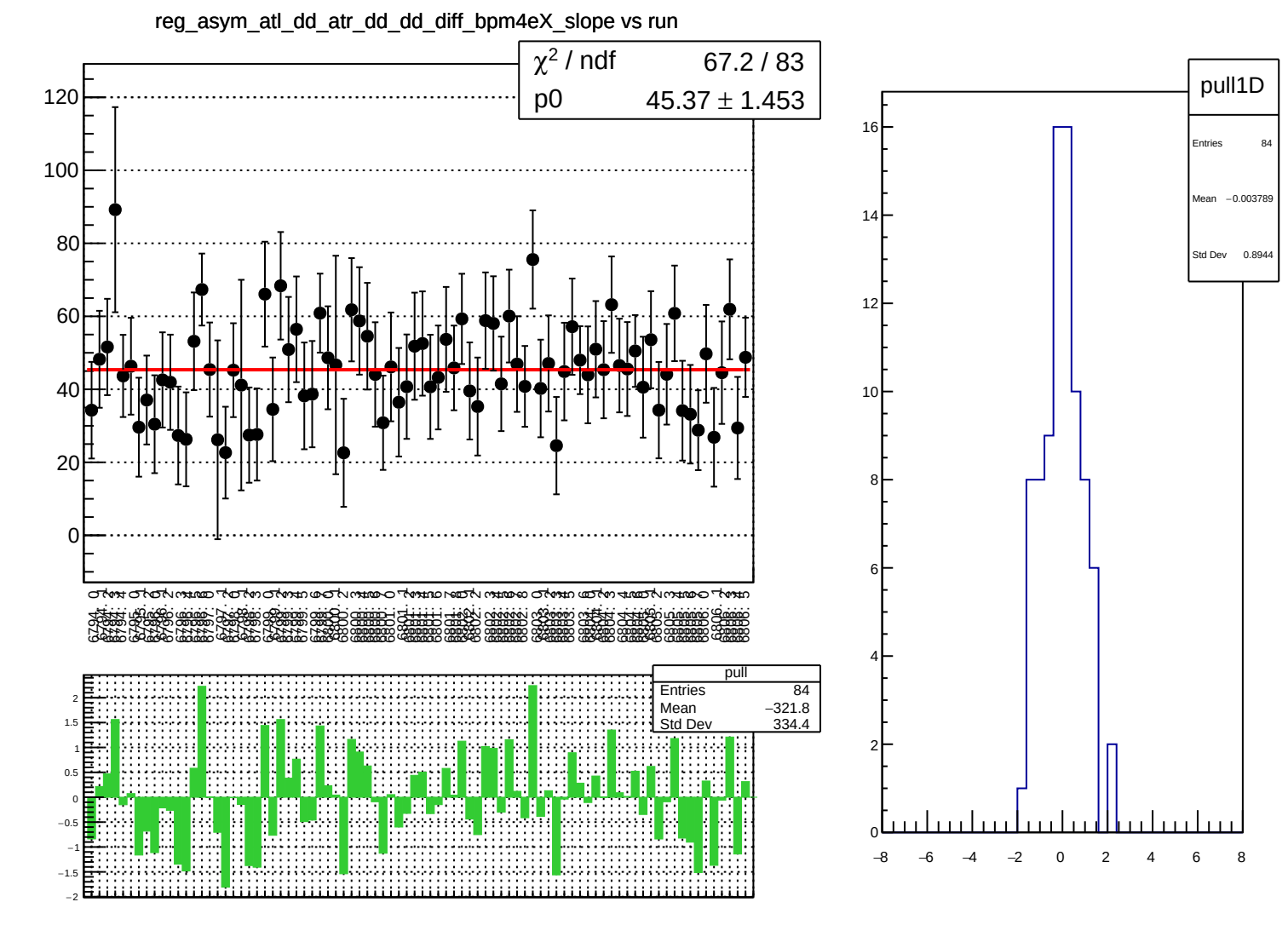

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 37.86 / 83
p0 127.6 ± 0.1623
pull
Entries 84
Mean −29.83
Std Dev 90.95
pull1D
Entries 84
Mean 0.01322
Std Dev 0.6712

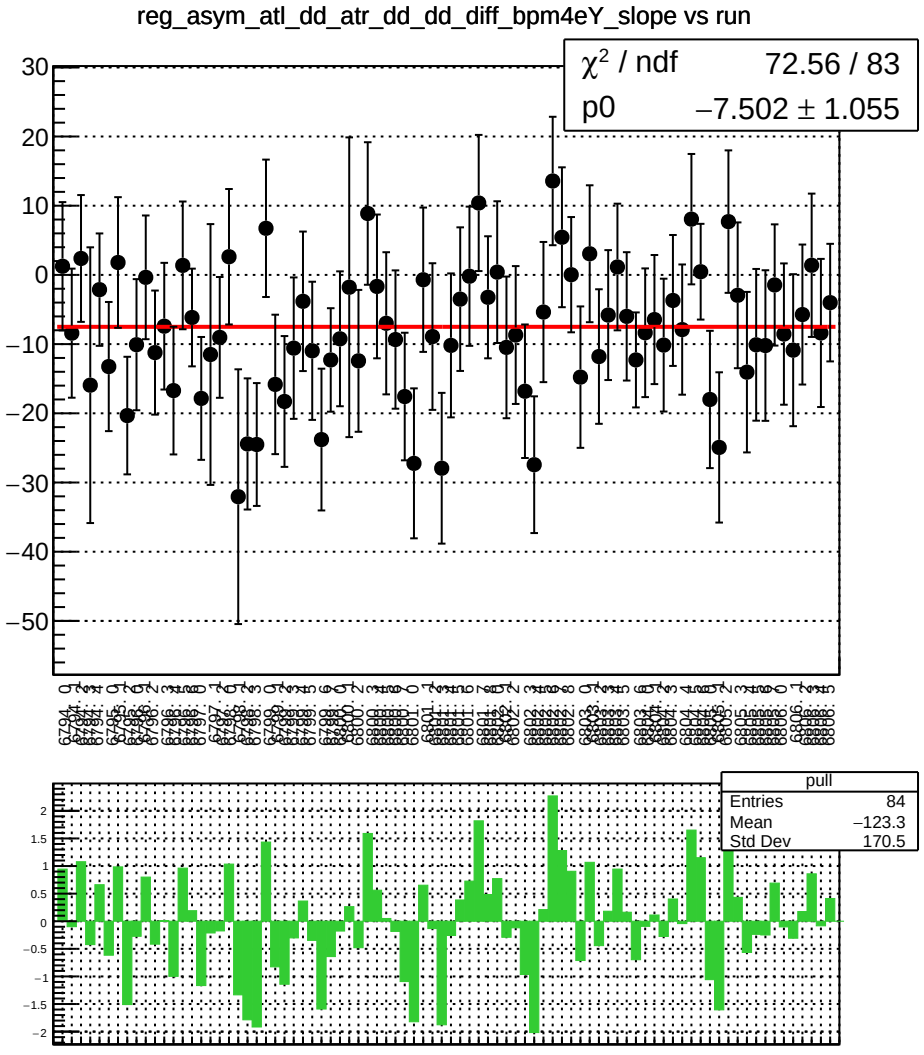

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 66.71 / 83
p0 21.77 ± 1.55
pull
Entries 84
Mean −226.4
Std Dev 242.3

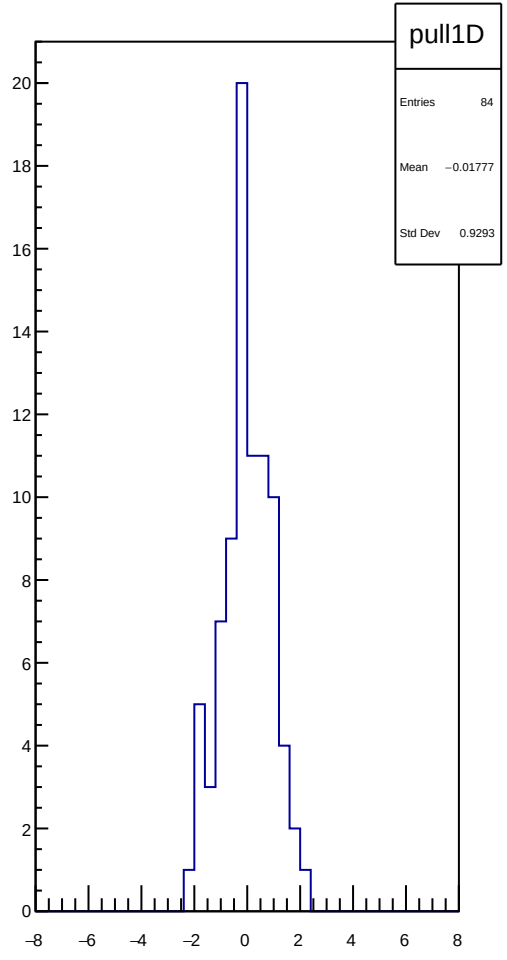

pull1D
Entries 84
Mean 0.005006
Std Dev 0.8912

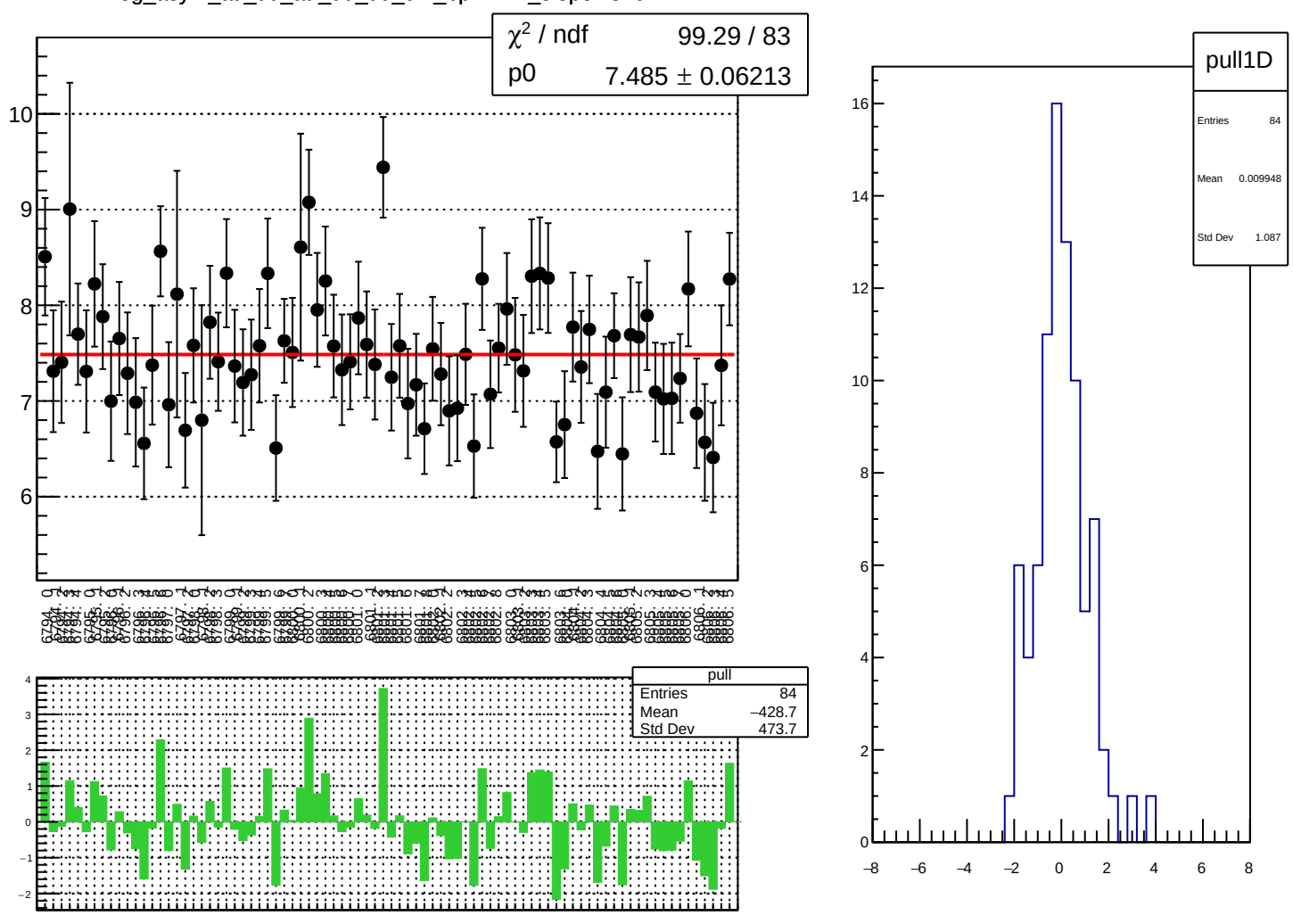

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 76.79 / 83
p0 1.723 ± 0.7542
pull
Entries 84
Mean −74.91
Std Dev 118.6

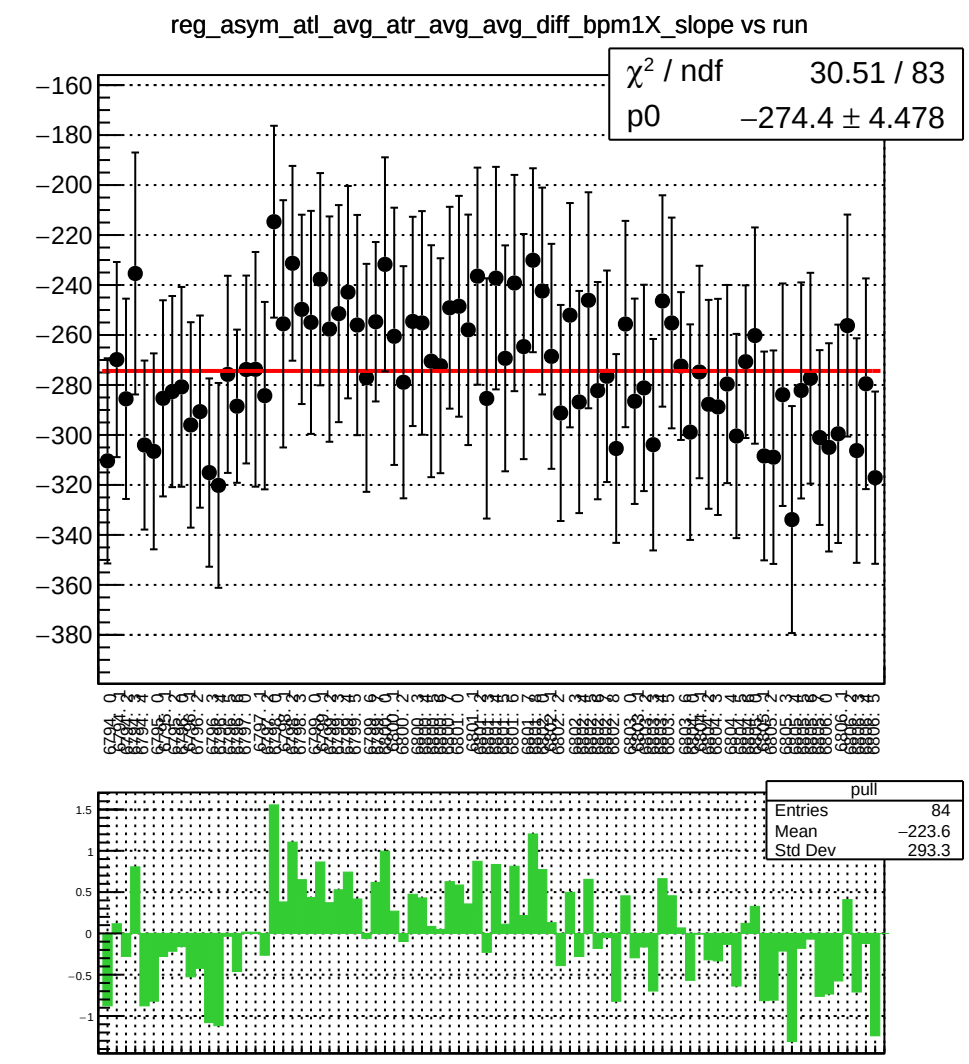

pull1D
Entries 84
Mean 0.01972
Std Dev 0.9559

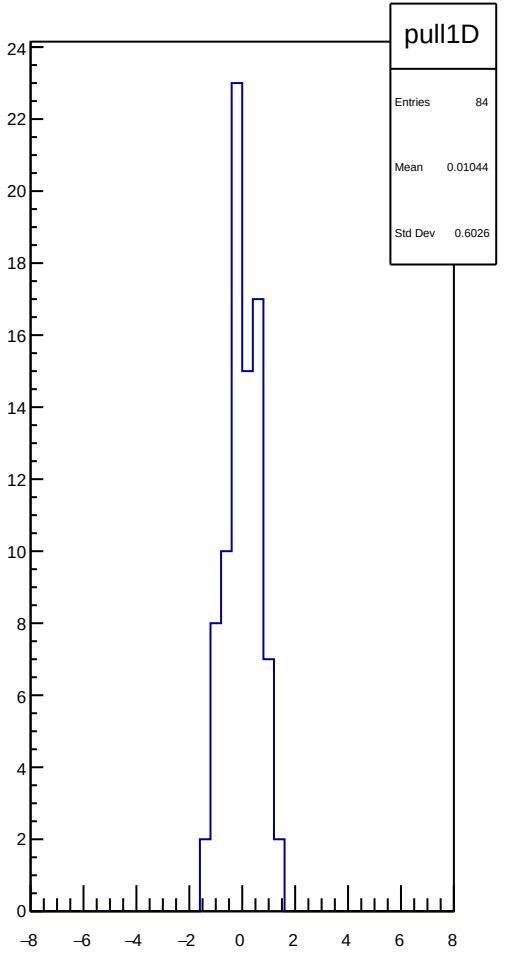

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 67.2 / 83
p0 45.37 ± 1.453
pull
Entries 84
Mean −321.8
Std Dev 334.4
pull1D
Entries 84
Mean −0.003789
Std Dev 0.8944

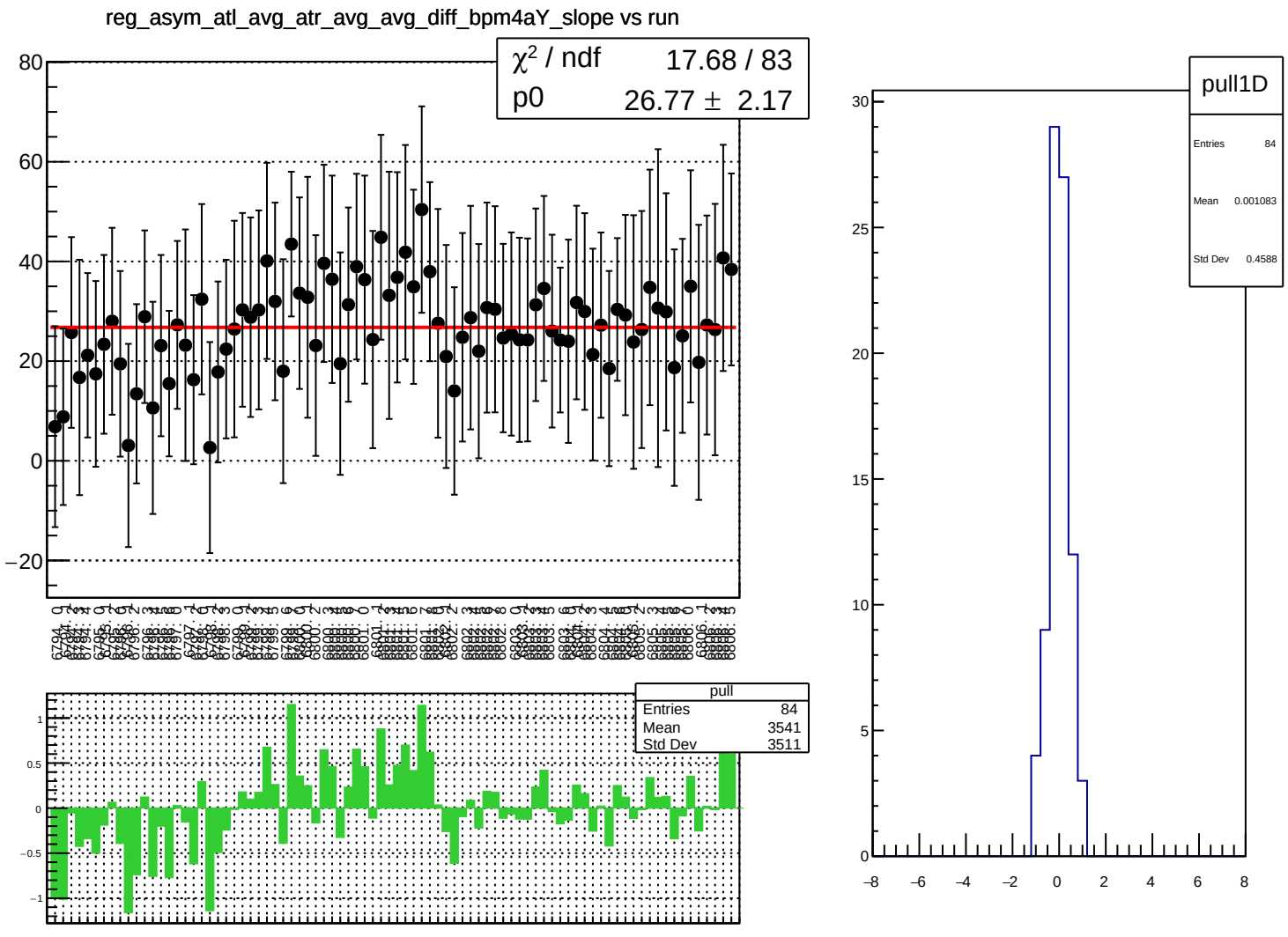

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 72.56 / 83
p0 −7.502 ± 1.055
pull
Entries 84
Mean −123.3
Std Dev 170.5

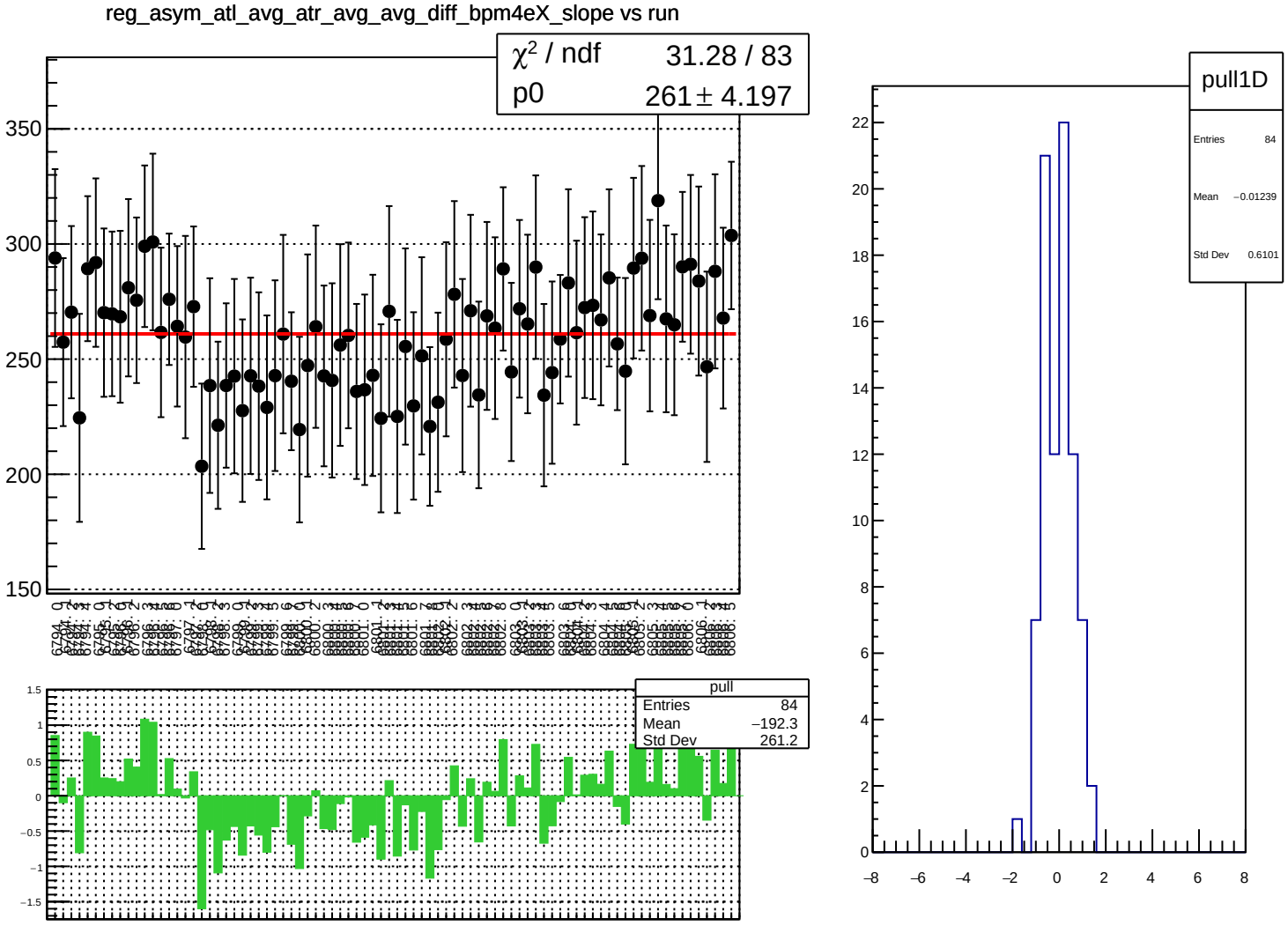

pull1D
Entries 84
Mean −0.01777
Std Dev 0.9293

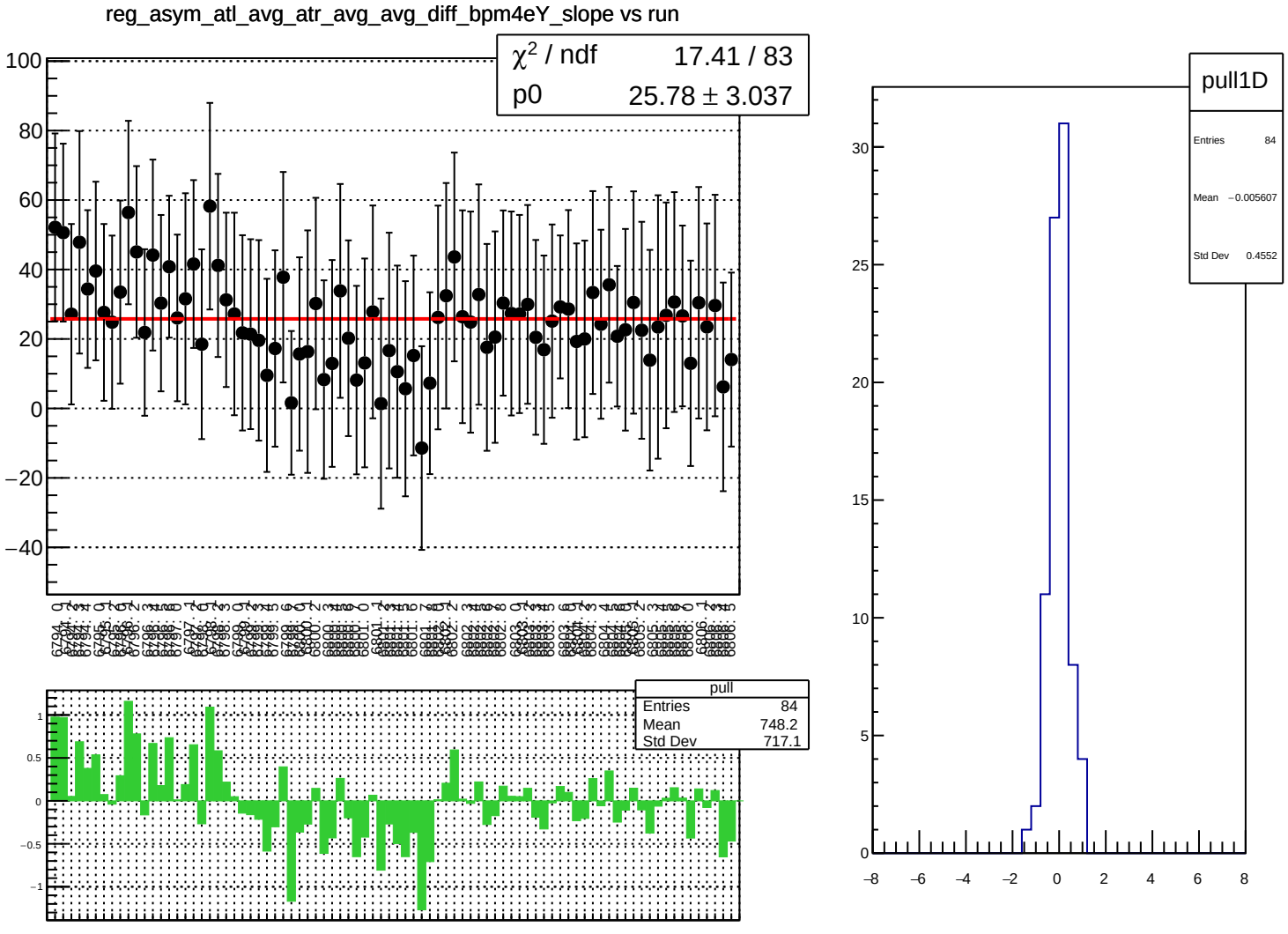

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 99.29 / 83
p0 7.485 ± 0.06213
pull
Entries 84
Mean −428.7
Std Dev 473.7
pull1D
Entries 84
Mean 0.009948
Std Dev 1.087

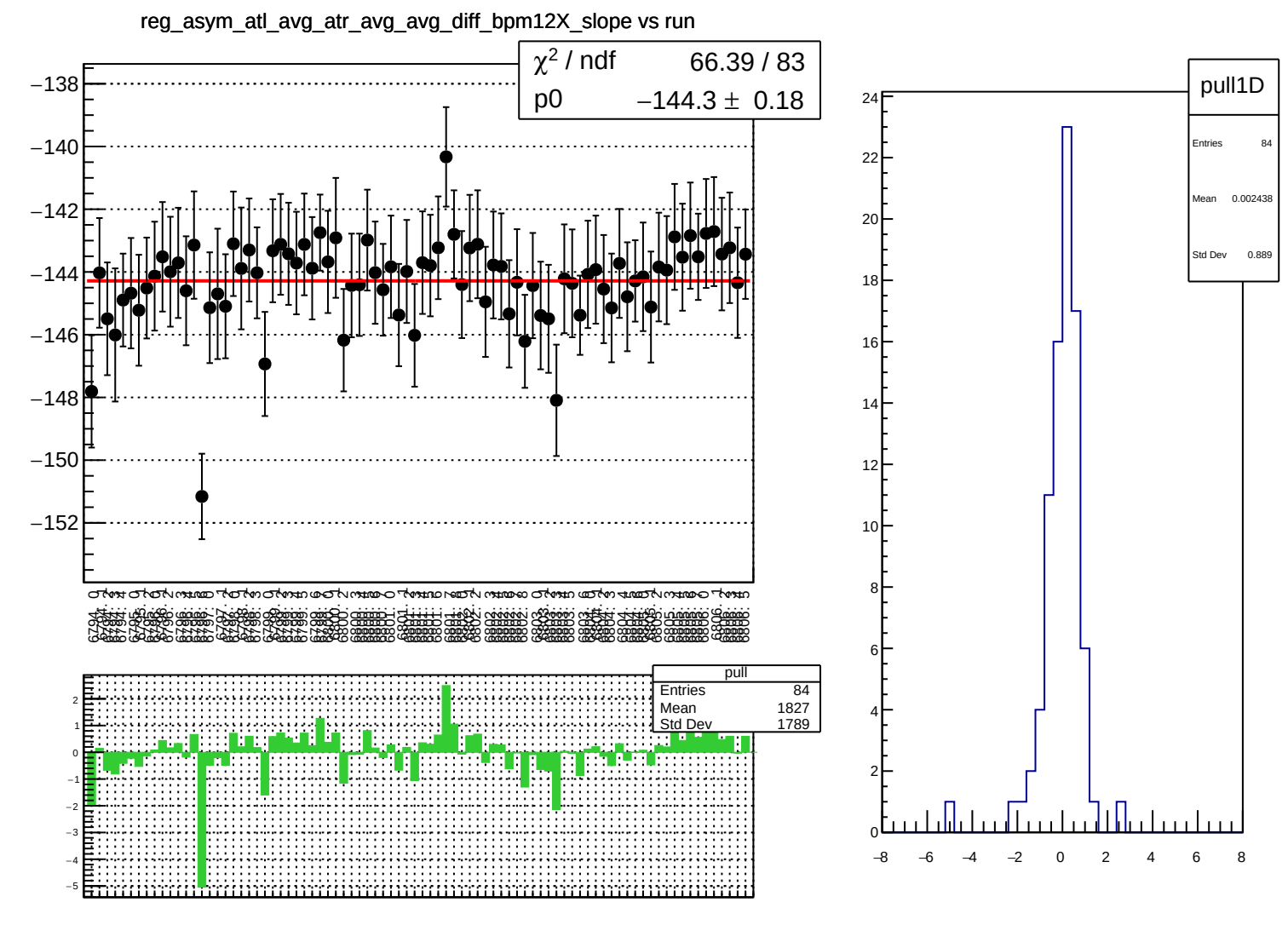

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 30.51 / 83
p0 −274.4 ± 4.478
pull
Entries 84
Mean −223.6
Std Dev 293.3

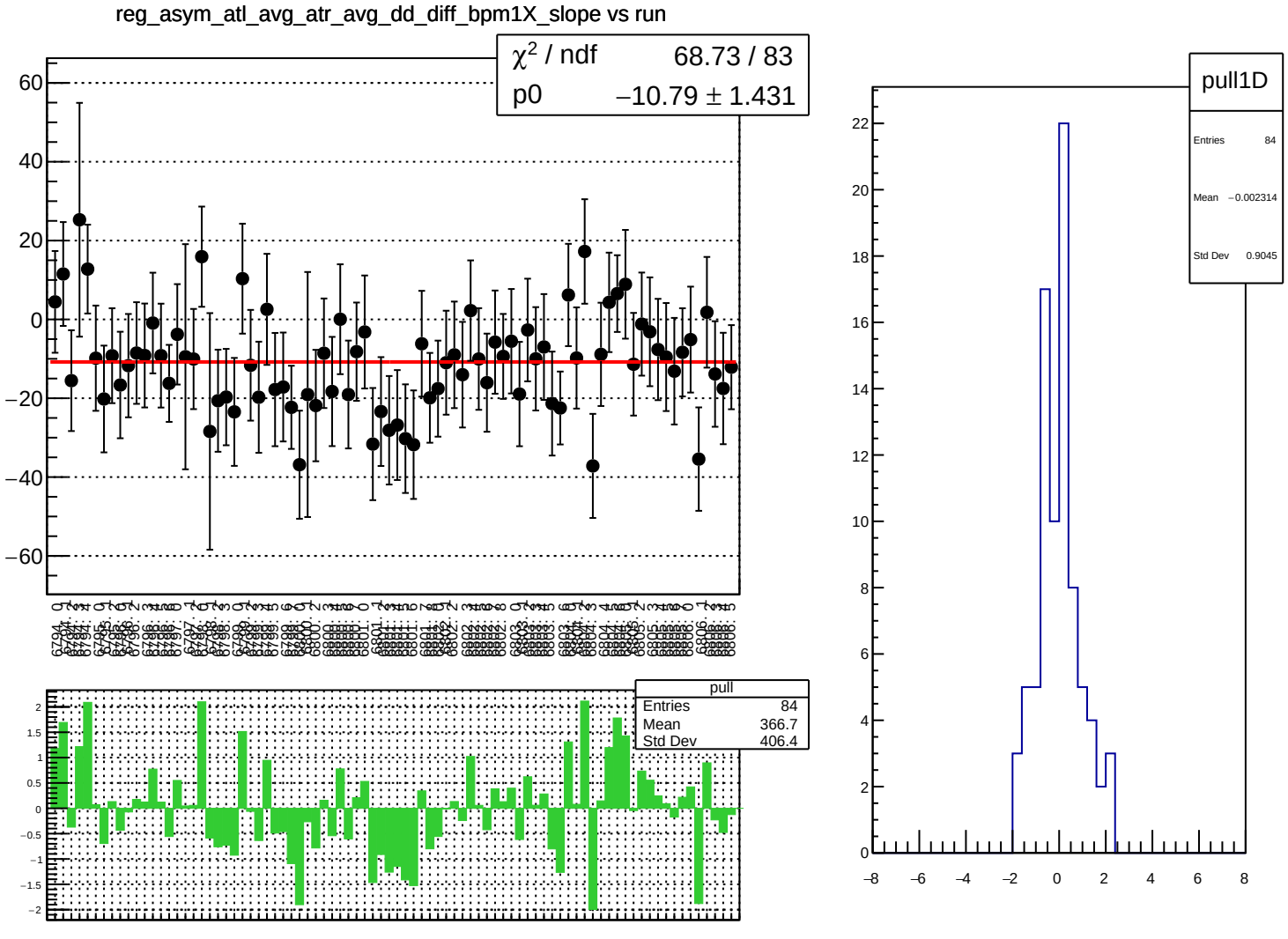

pull1D
Entries 84
Mean 0.01044
Std Dev 0.6026

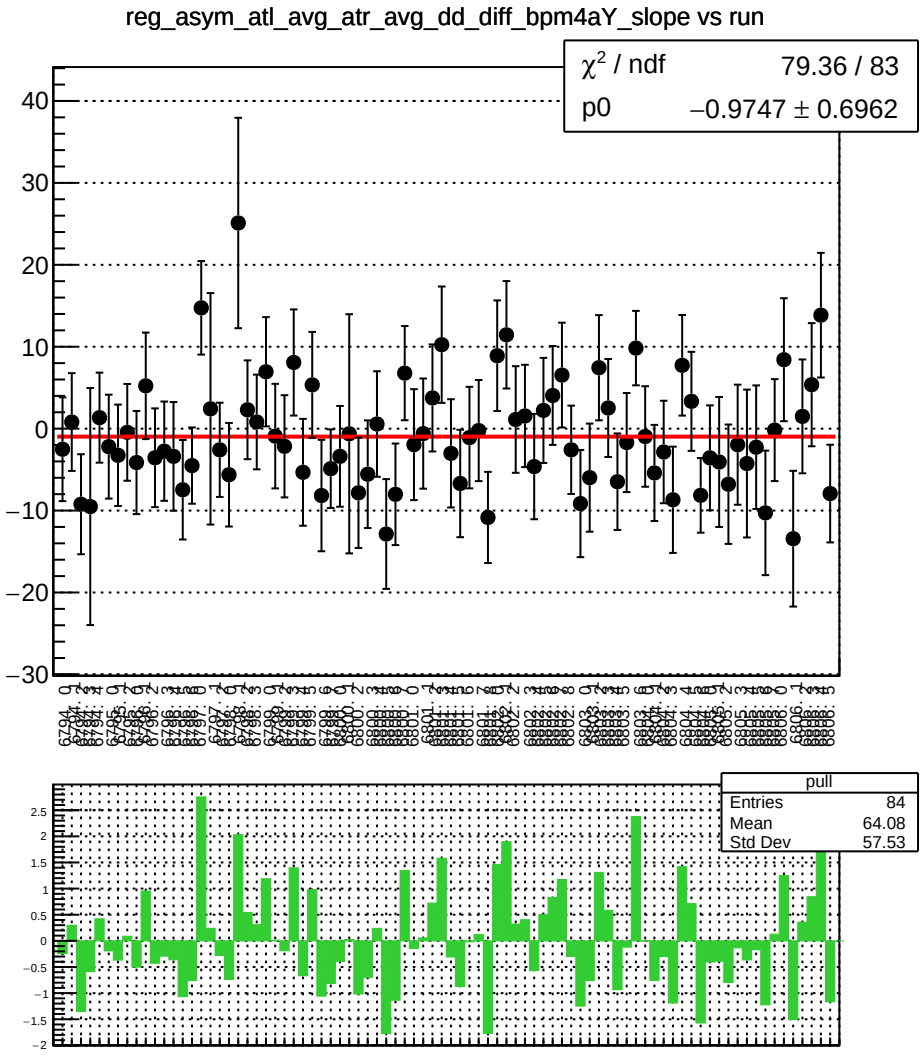

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 17.68 / 83
p0 26.77 ± 2.17
pull
Entries 84
Mean 3541
Std Dev 3511
pull1D
Entries 84
Mean 0.001083
Std Dev 0.4588

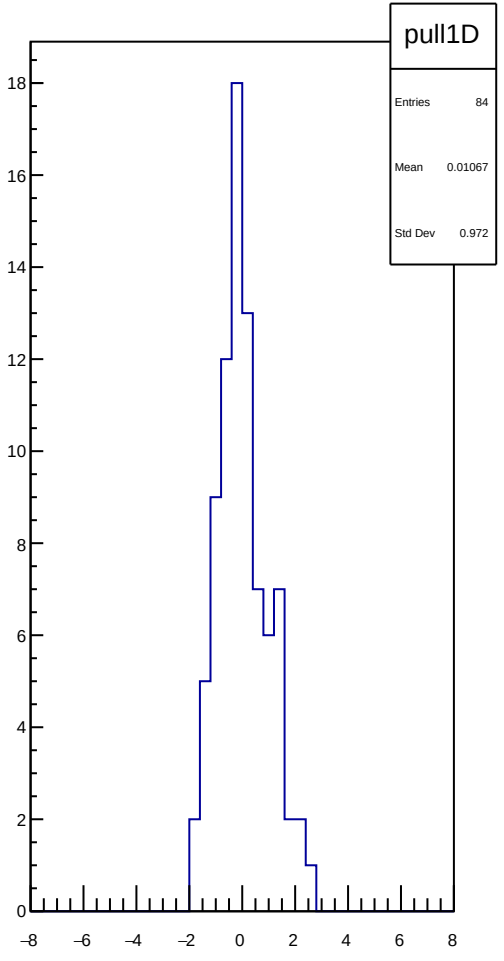

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 31.28 / 83
p0 261 ± 4.197
pull
Entries 84
Mean −192.3
Std Dev 261.2
pull1D
Entries 84
Mean −0.01239
Std Dev 0.6101

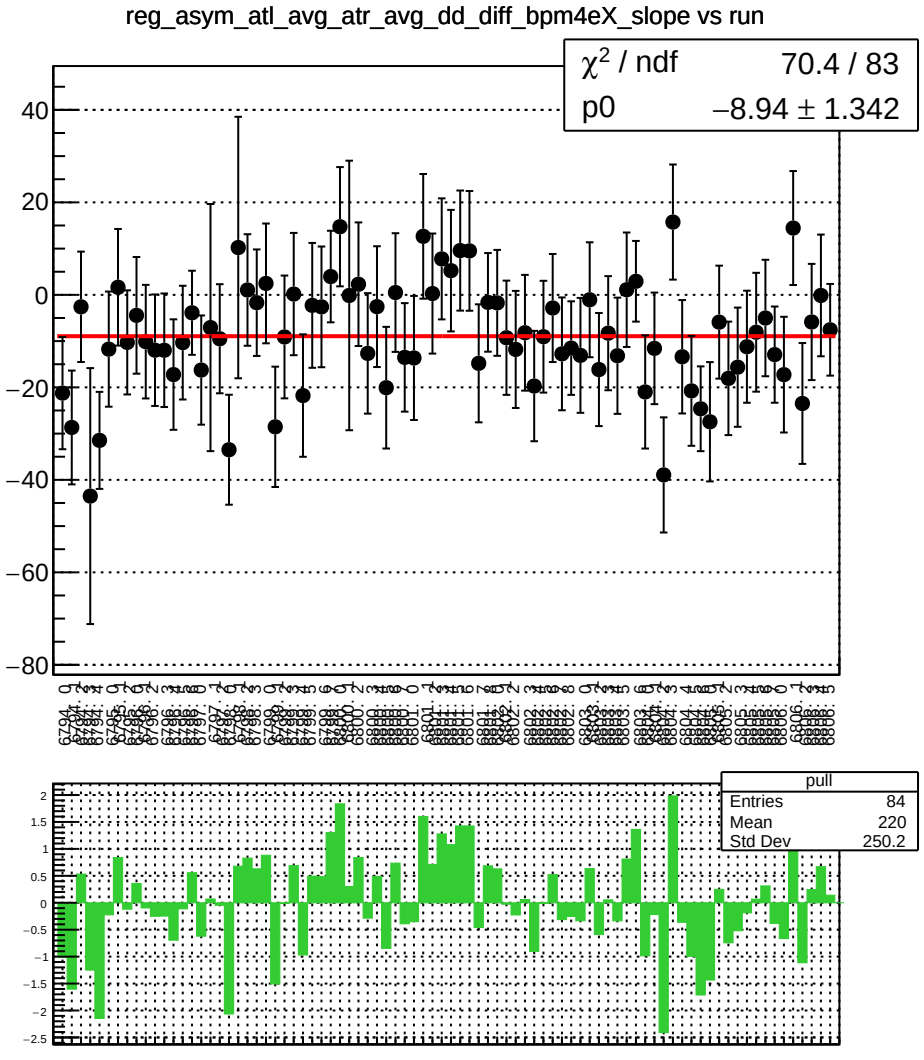

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 17.41 / 83
p0 25.78 ± 3.037
pull
Entries 84
Mean 748.2
Std Dev 717.1
pull1D
Entries 84
Mean −0.005607
Std Dev 0.4552

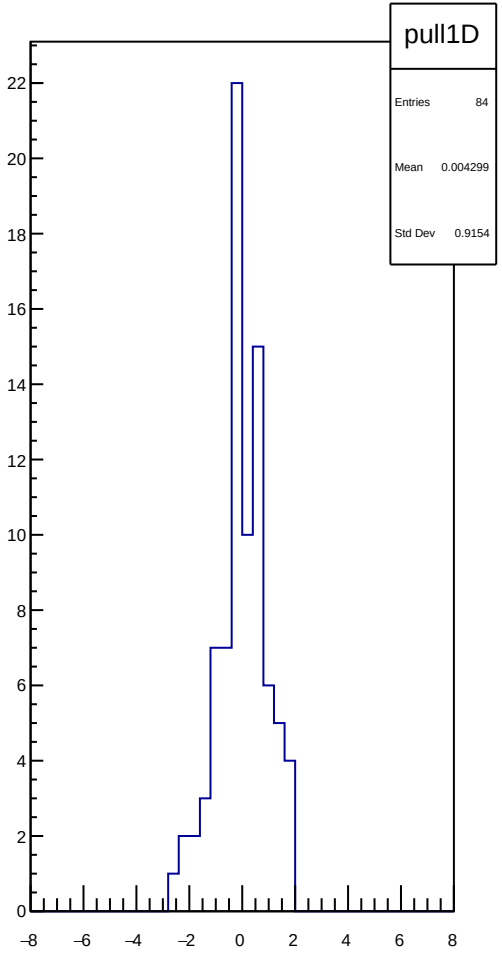

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 66.39 / 83
p0 −144.3 ± 0.18
pull
Entries 84
Mean 1827
Std Dev 1789
pull1D
Entries 84
Mean 0.002438
Std Dev 0.889

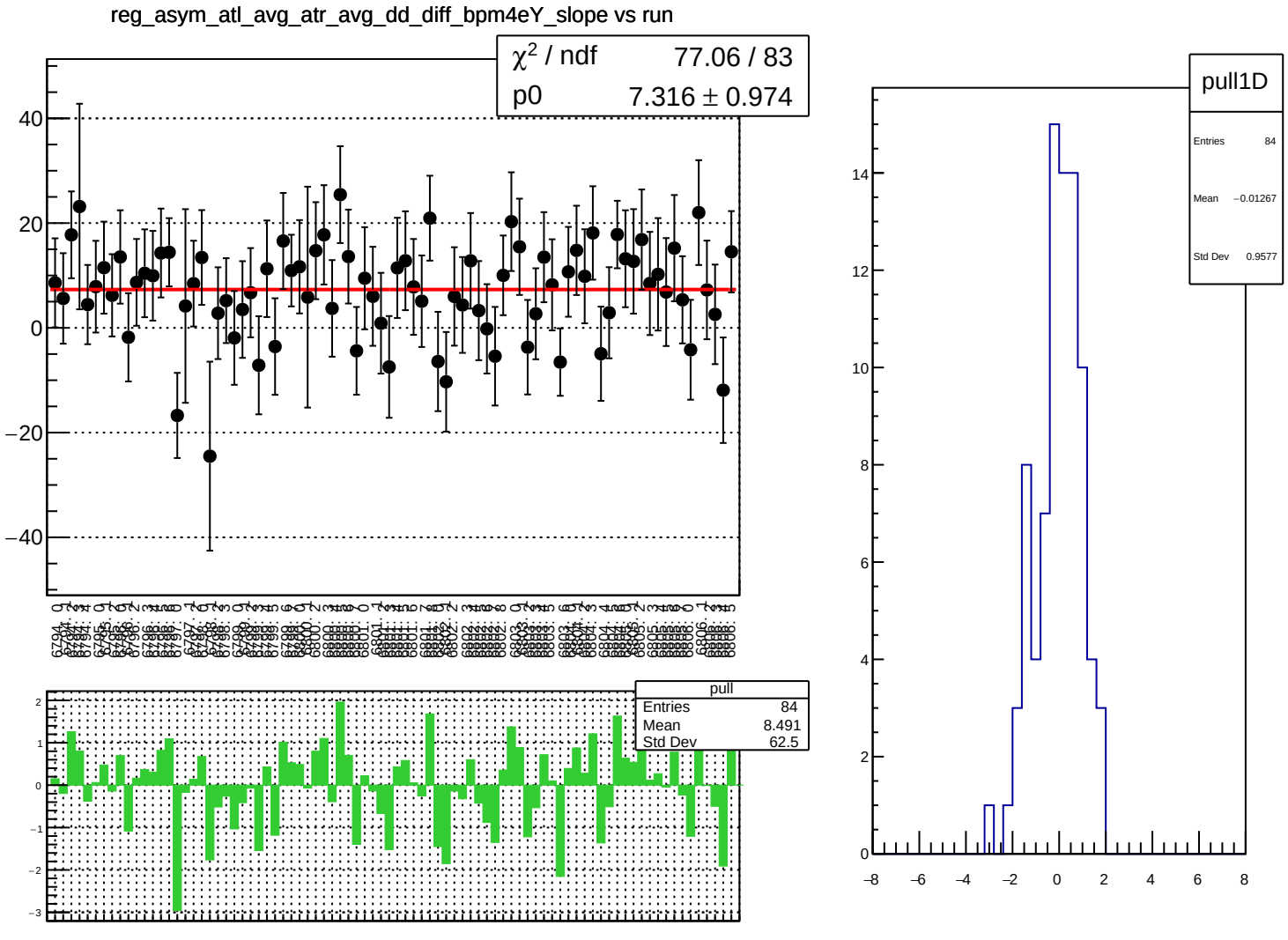

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 68.73 / 83
p0 −10.79 ± 1.431
pull
Entries 84
Mean 366.7
Std Dev 406.4
pull1D
Entries 84
Mean −0.002314
Std Dev 0.9045

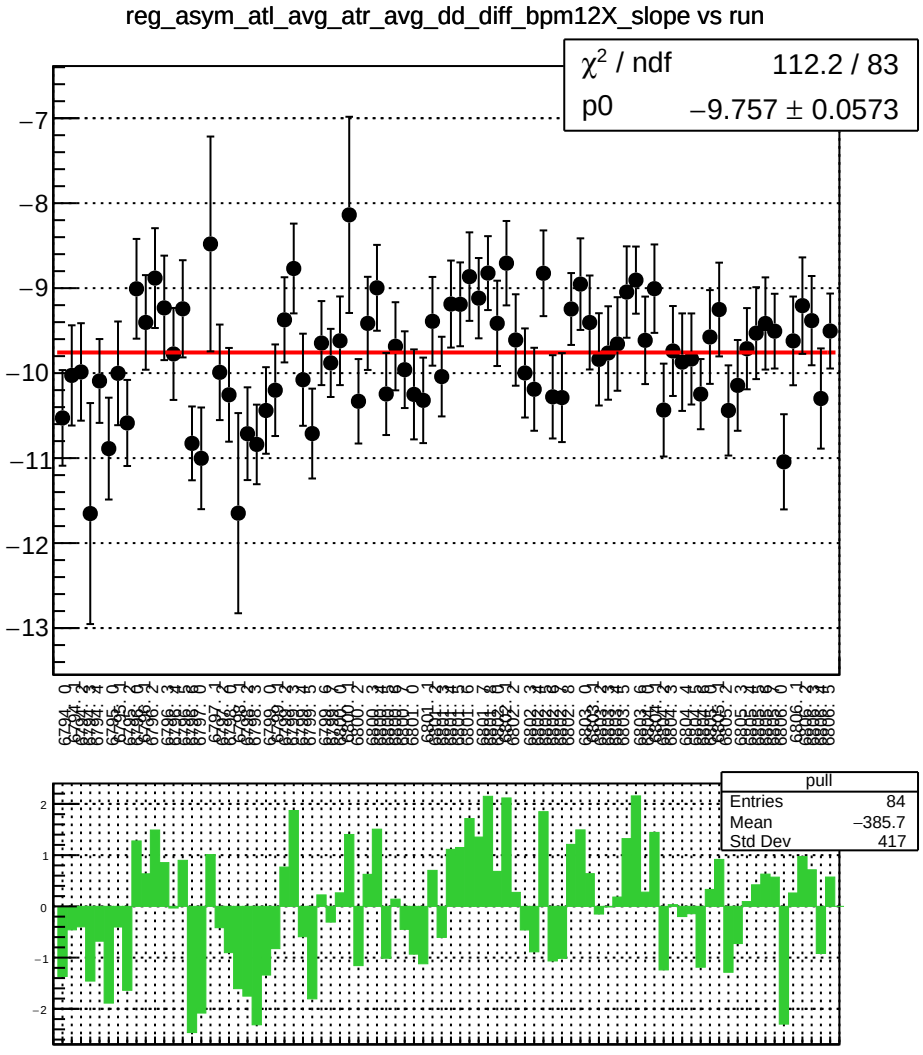

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 79.36 / 83
p0 −0.9747 ± 0.6962
pull
Entries 84
Mean 64.08
Std Dev 57.53

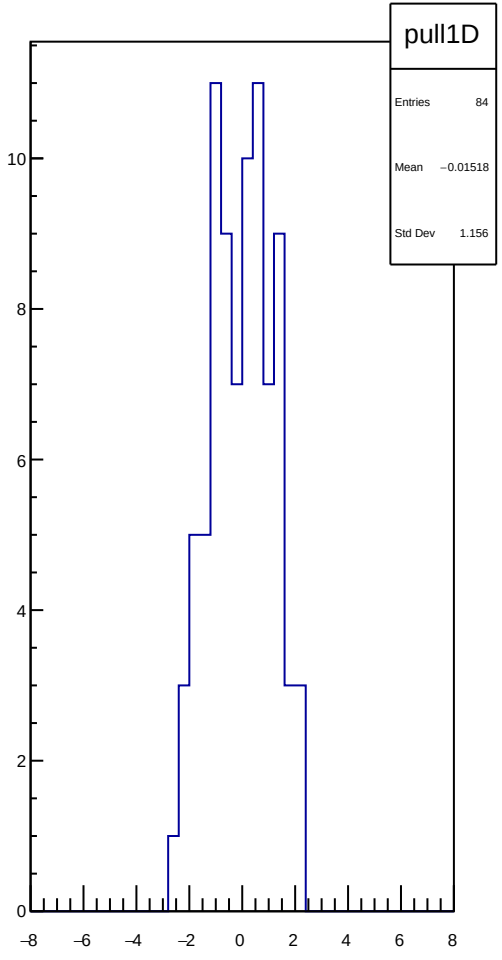

pull1D
Entries 84
Mean 0.01067
Std Dev 0.972

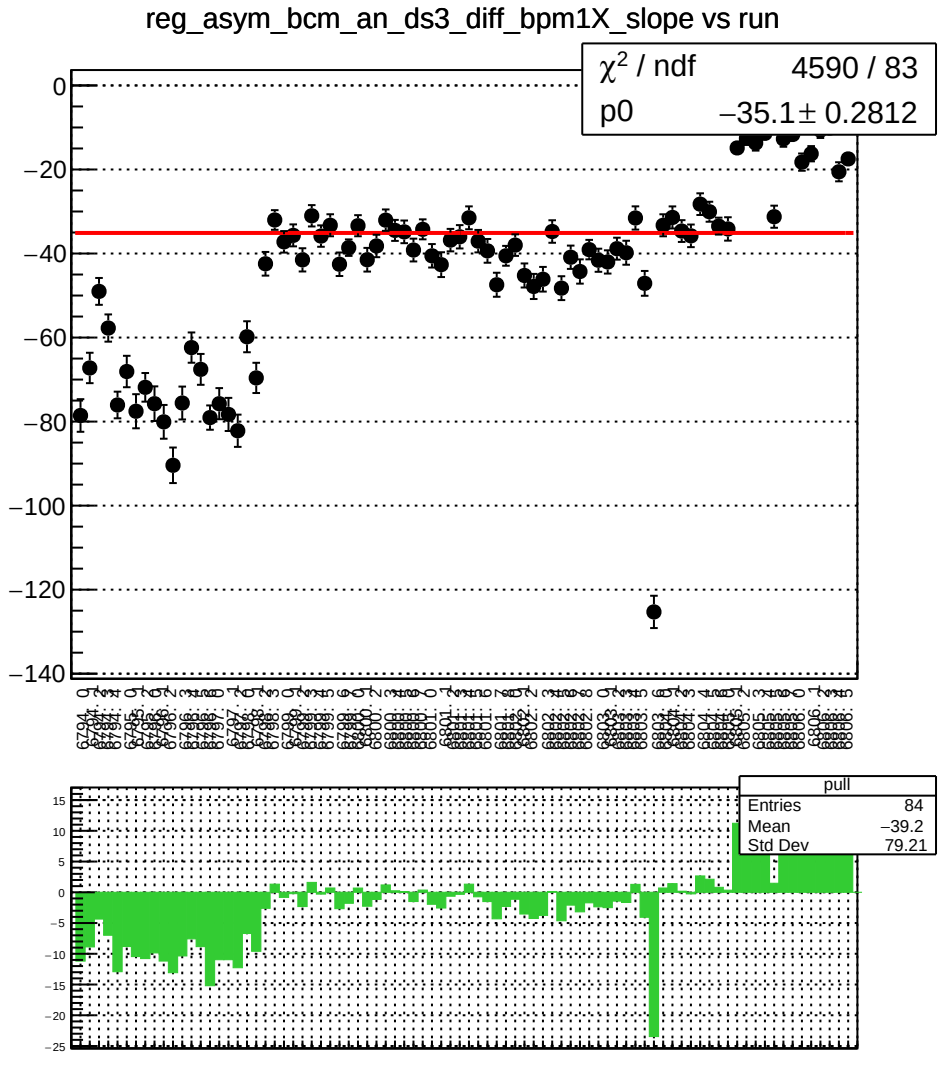

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 70.4 / 83
p0 −8.94 ± 1.342
pull
Entries 84
Mean 220
Std Dev 250.2

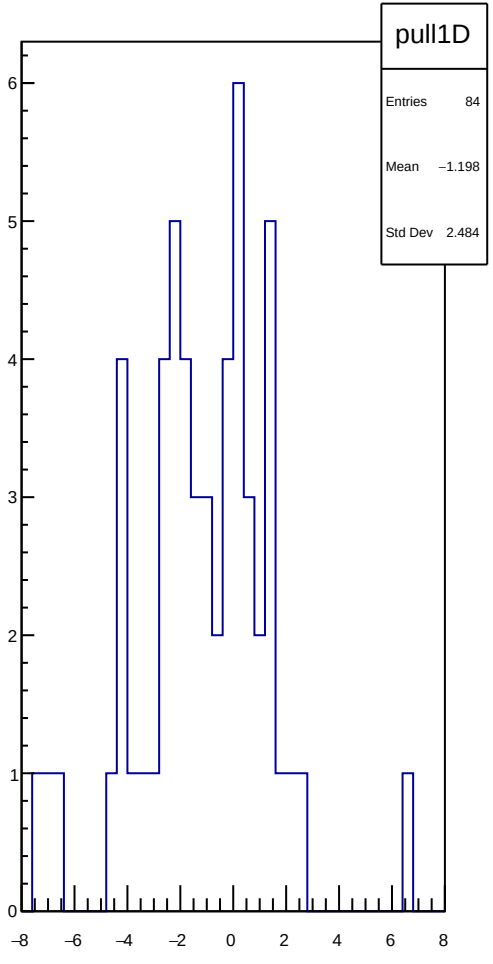

pull1D
Entries 84
Mean 0.004299
Std Dev 0.9154

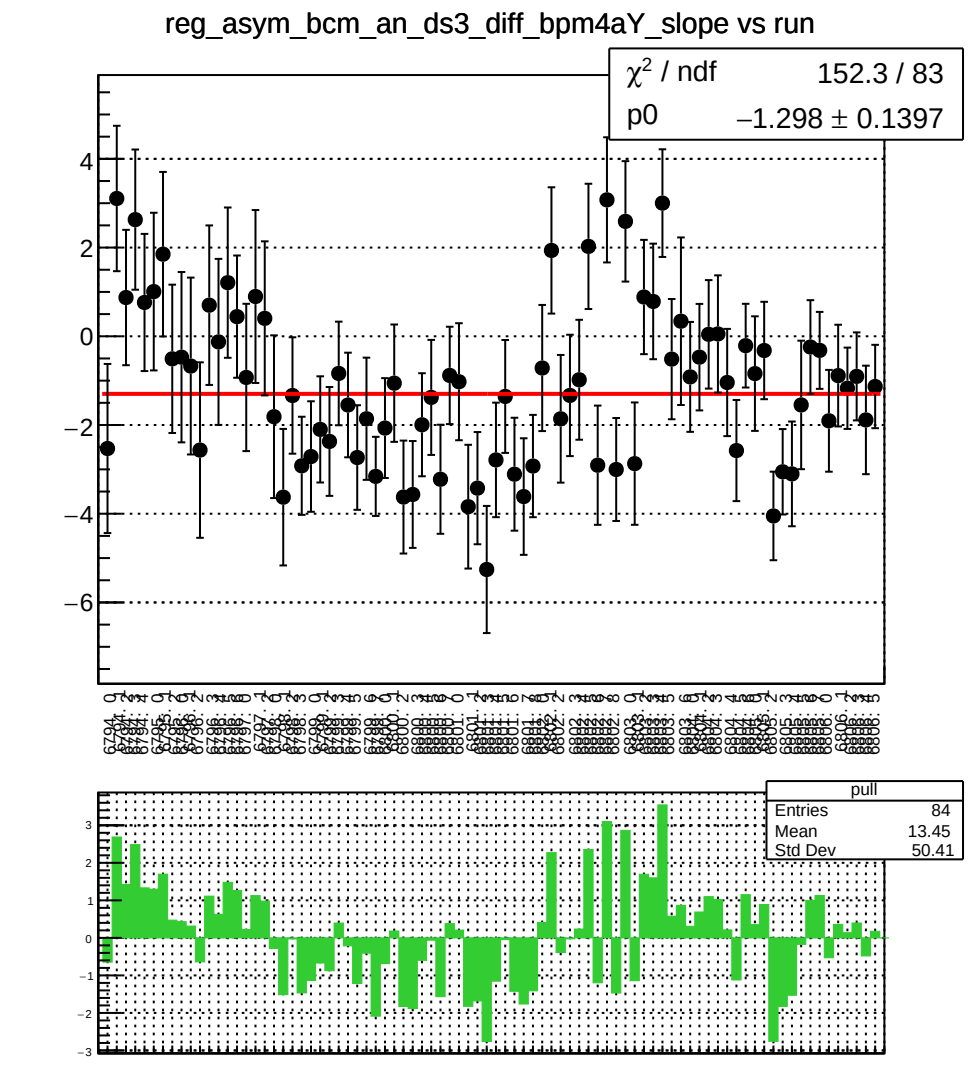

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 77.06 / 83
p0 7.316 ± 0.974
pull
Entries 84
Mean 8.491
Std Dev 62.5
pull1D
Entries 84
Mean −0.01267
Std Dev 0.9577

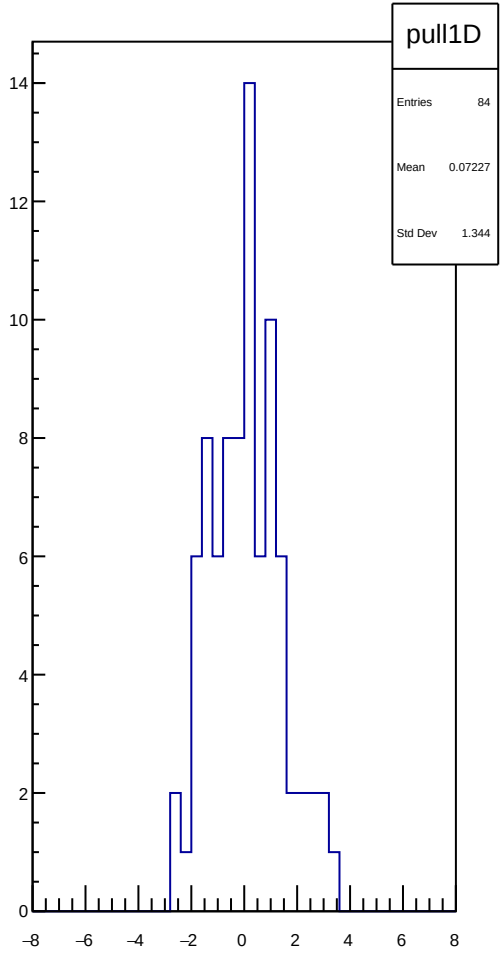

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 112.2 / 83
p0 −9.757 ± 0.0573
pull
Entries 84
Mean −385.7
Std Dev 417

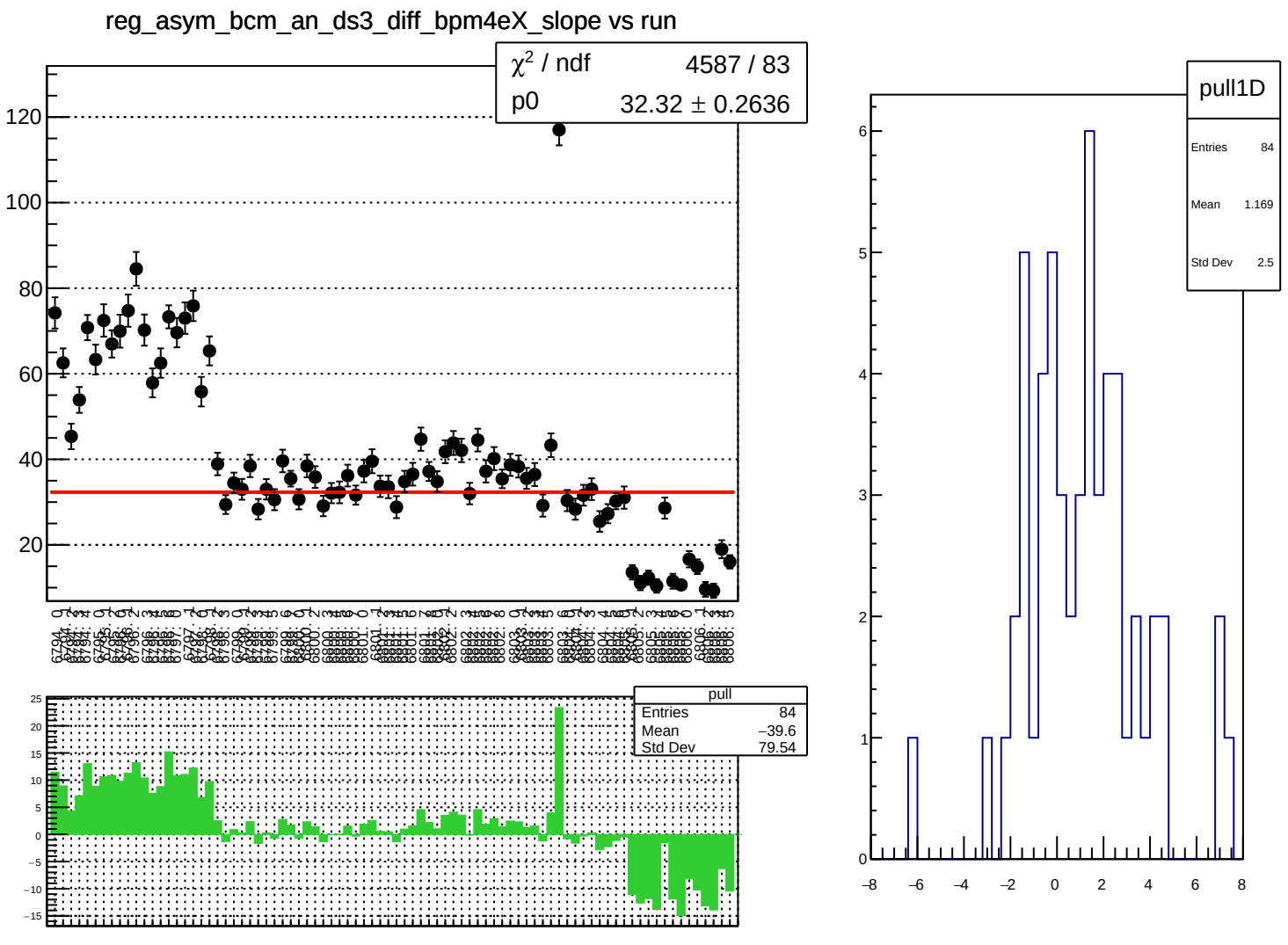

pull1D
Entries 84
Mean −0.01518
Std Dev 1.156

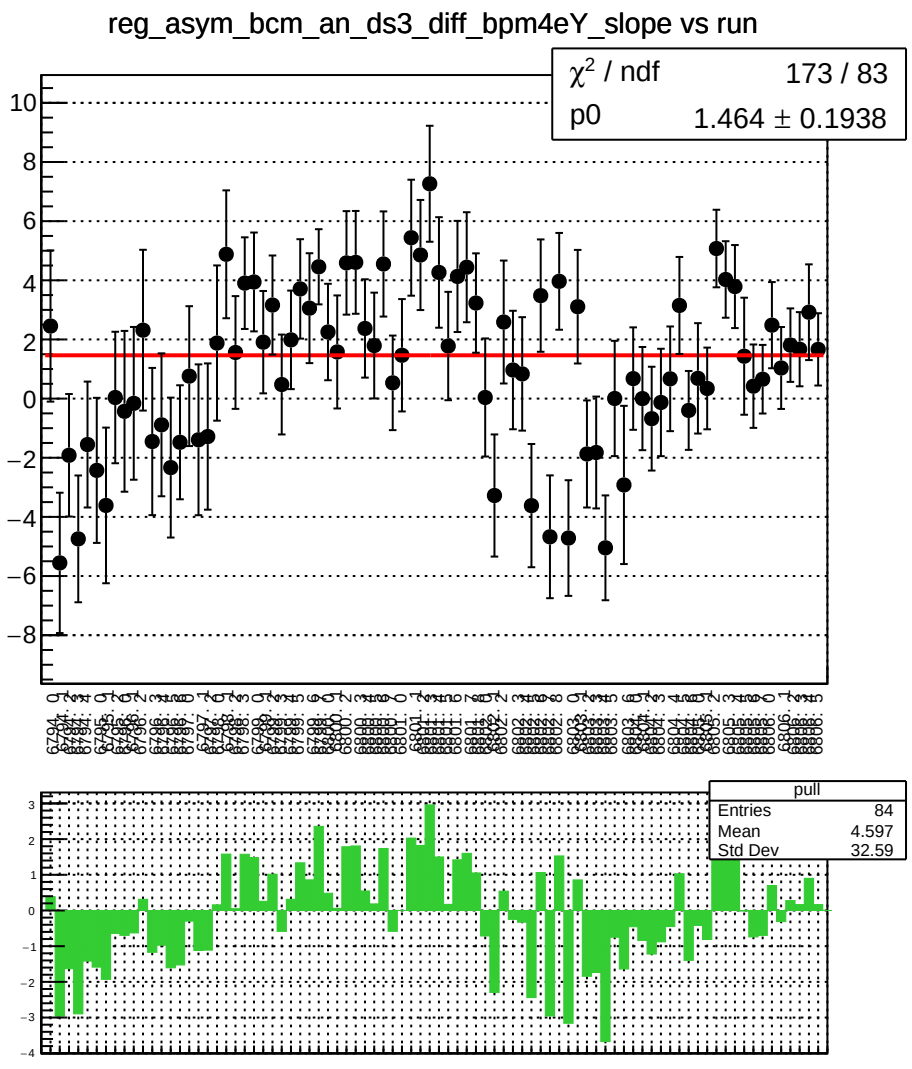

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 4590 / 83
p0 −35.1 ± 0.2812
pull
Entries 84
Mean −39.2
Std Dev 79.21

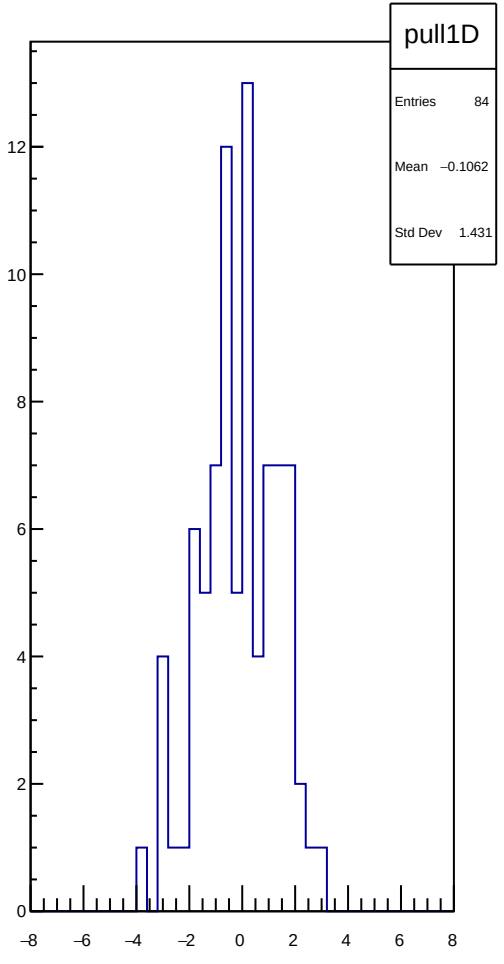

pull1D
Entries 84
Mean −1.198
Std Dev 2.484

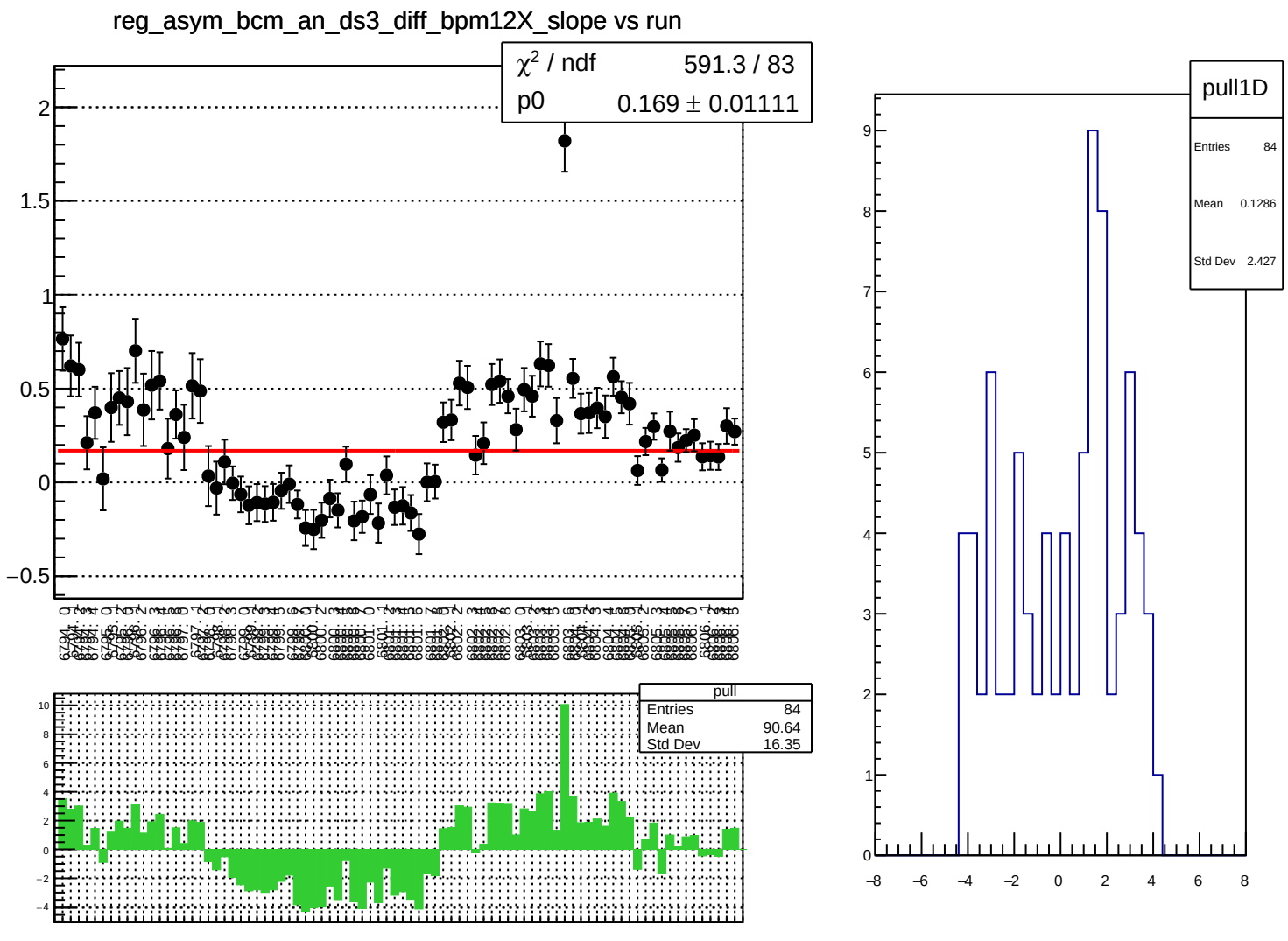

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 152.3 / 83
p0 −1.298 ± 0.1397
pull
Entries 84
Mean 13.45
Std Dev 50.41

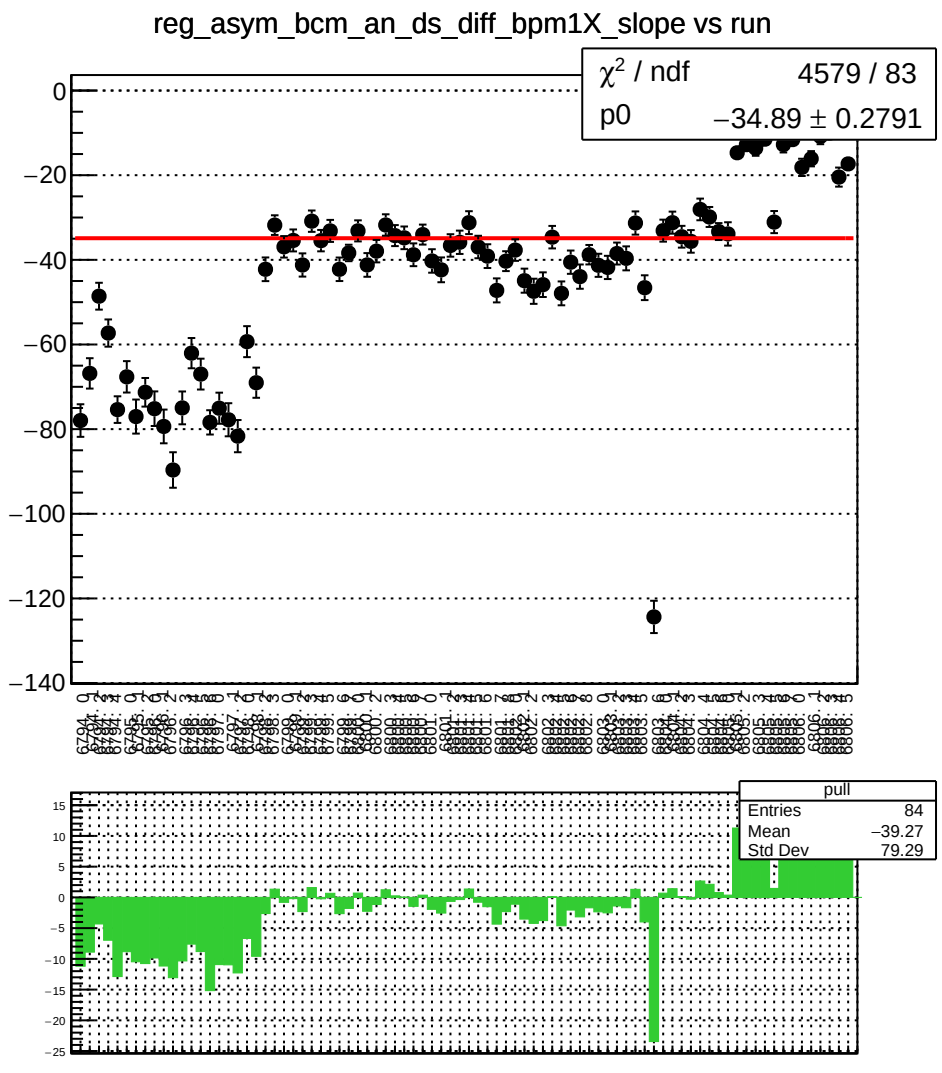

pull1D
Entries 84
Mean 0.07227
Std Dev 1.344

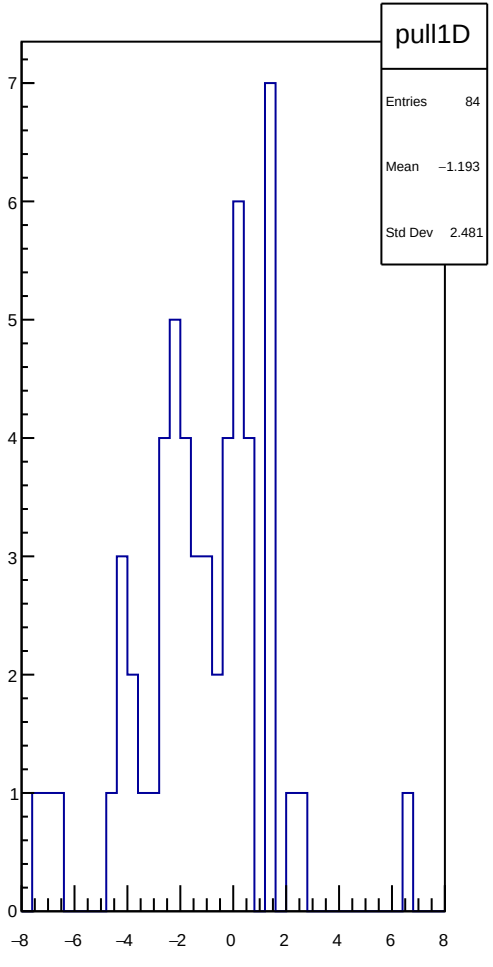

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 4587 / 83
p0 32.32 ± 0.2636
120
100
80
60
40
20
pull
Entries 84
Mean −39.6
Std Dev 79.54
25
20
15
10
5
0
−5
−10
−15
pull1D
Entries 84
Mean 1.169
Std Dev 2.5
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

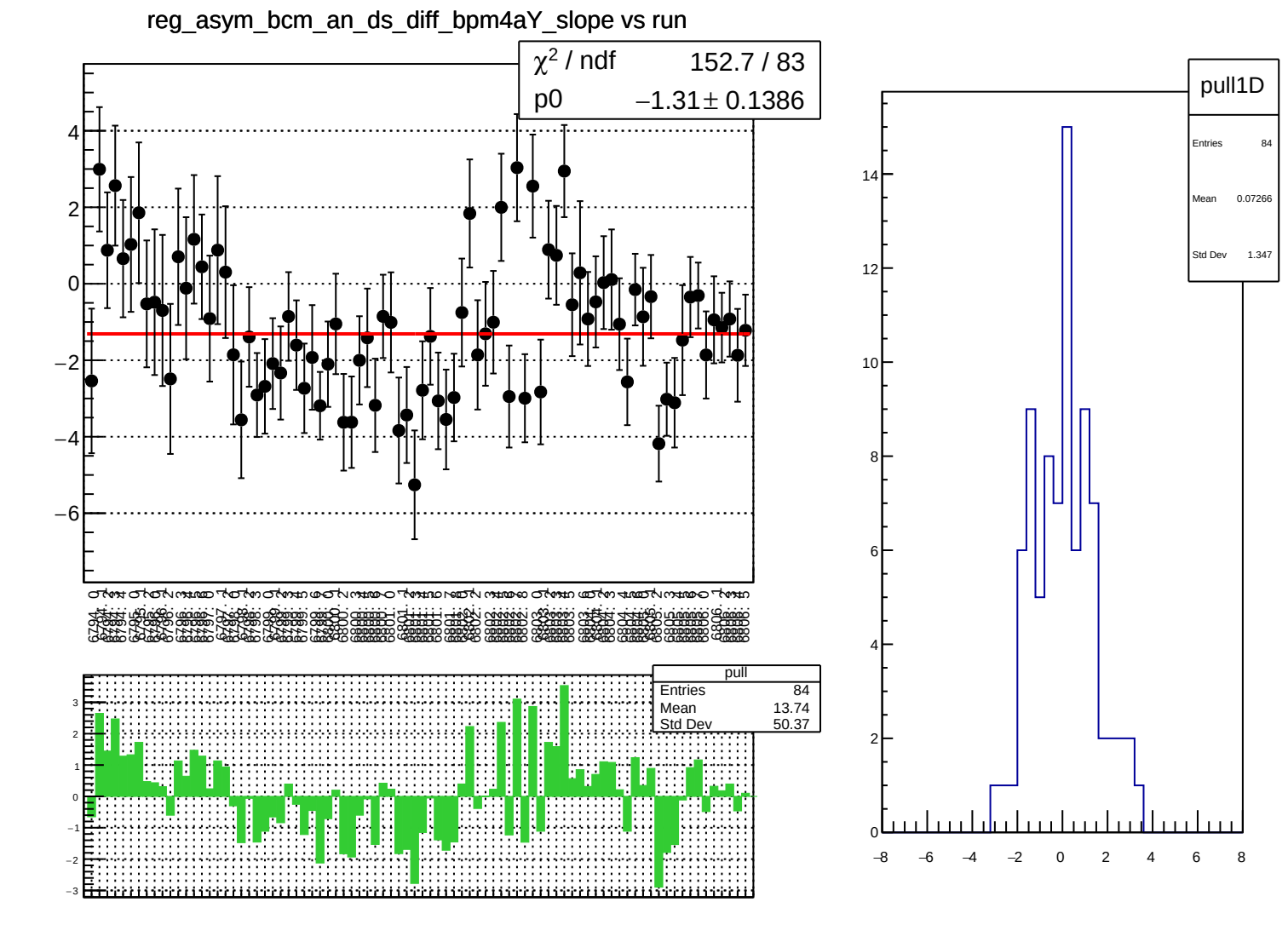

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 173 / 83
p0 1.464 ± 0.1938
pull
Entries 84
Mean 4.597
Std Dev 32.59

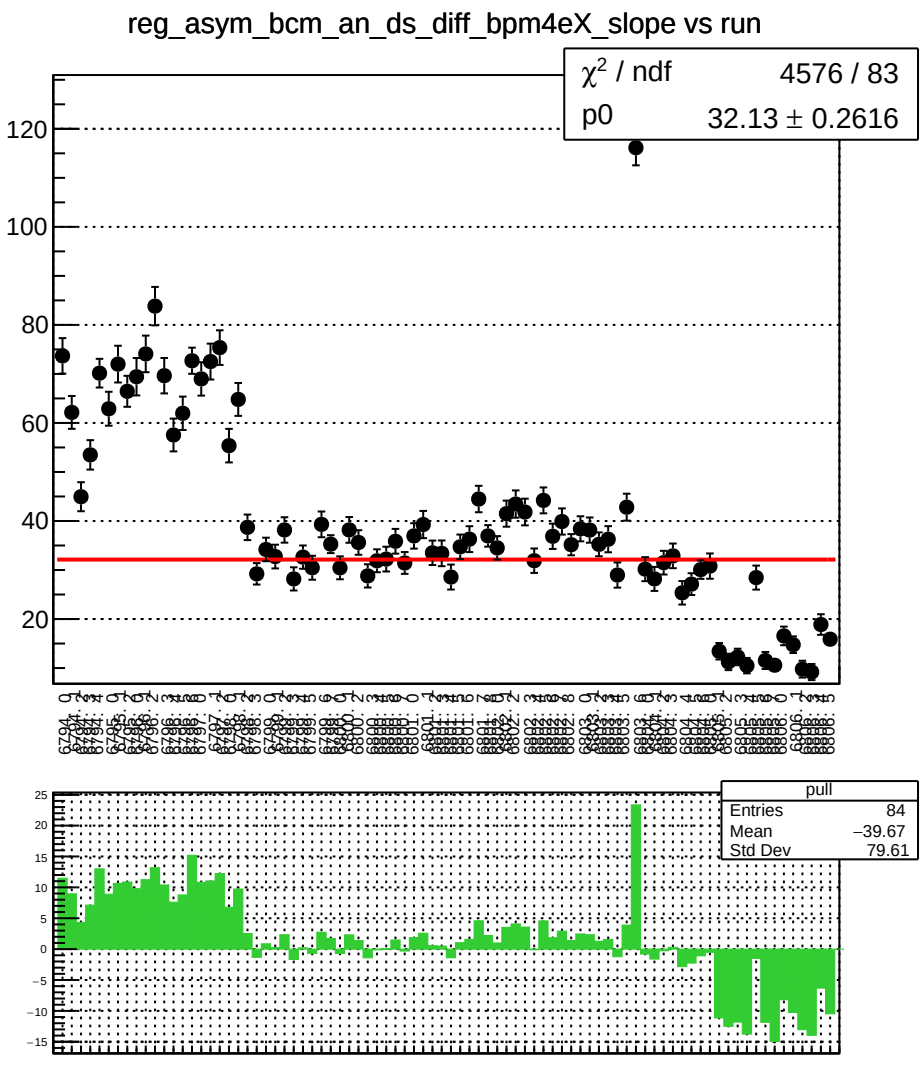

pull1D
Entries 84
Mean −0.1062
Std Dev 1.431

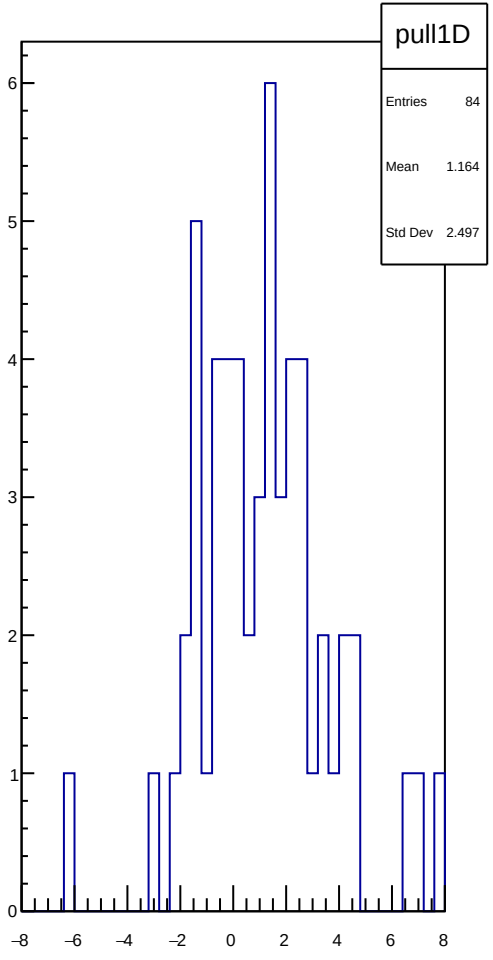

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 591.3 / 83
p0 0.169 ± 0.01111
pull
Entries 84
Mean 90.64
Std Dev 16.35
pull1D
Entries 84
Mean 0.1286
Std Dev 2.427

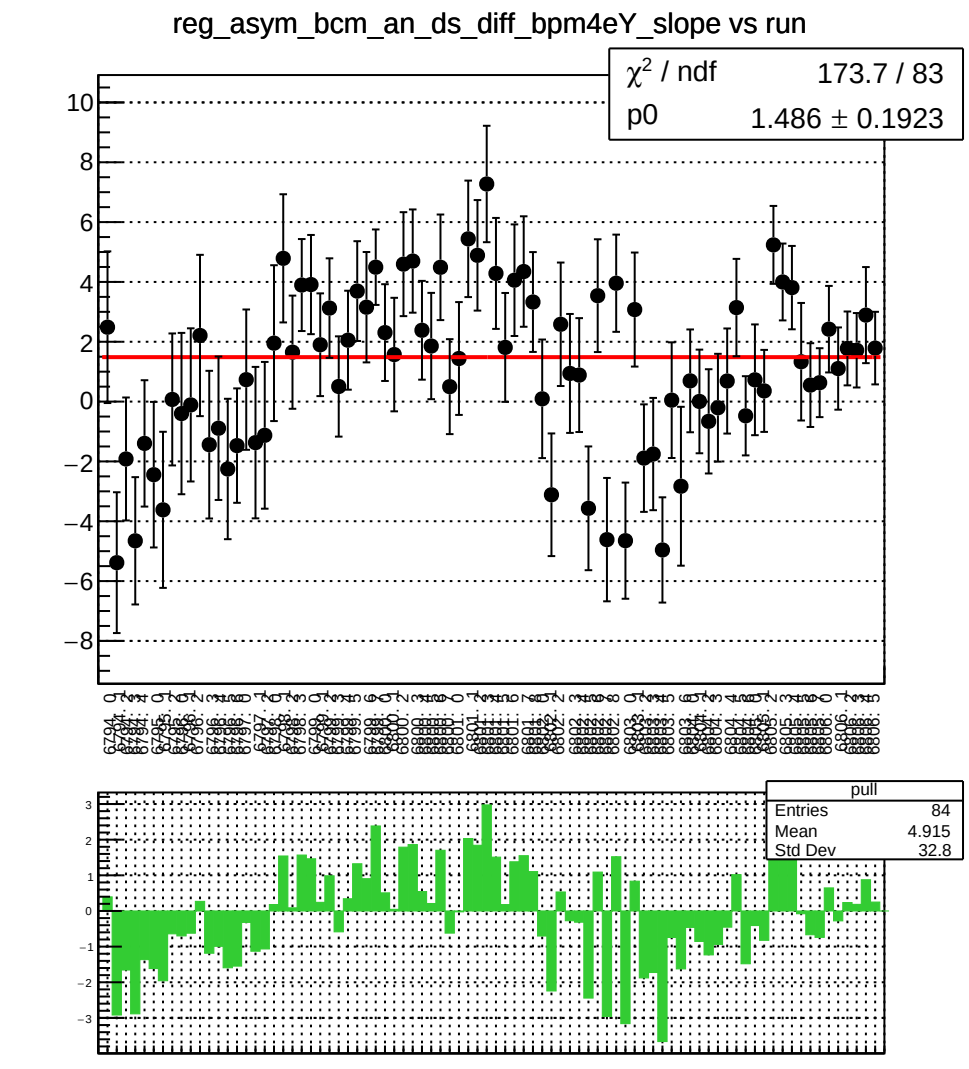

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 4579 / 83
p0 −34.89 ± 0.2791
pull
Entries 84
Mean −39.27
Std Dev 79.29

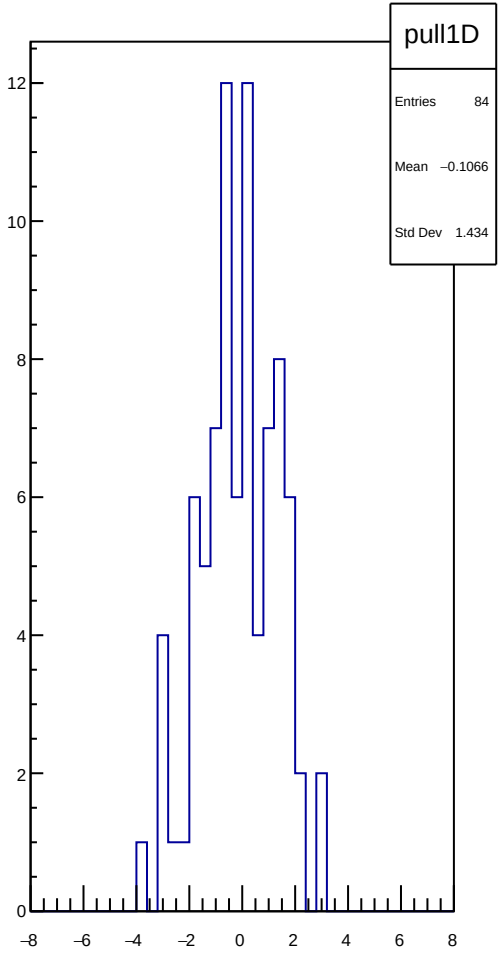

pull1D
Entries 84
Mean −1.193
Std Dev 2.481

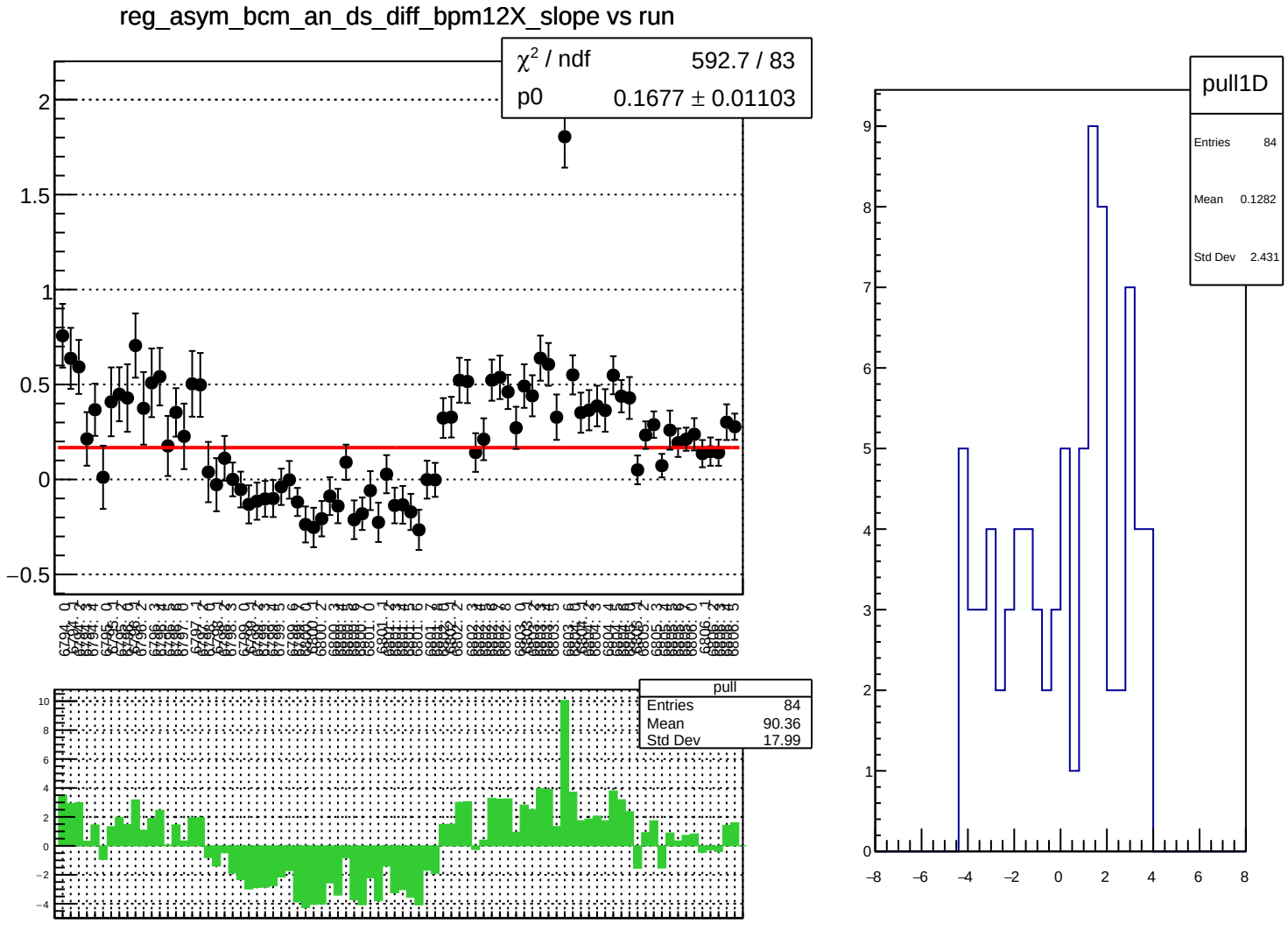

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 152.7 / 83
p0 −1.31 ± 0.1386
pull
Entries 84
Mean 13.74
Std Dev 50.37
pull1D
Entries 84
Mean 0.07266
Std Dev 1.347

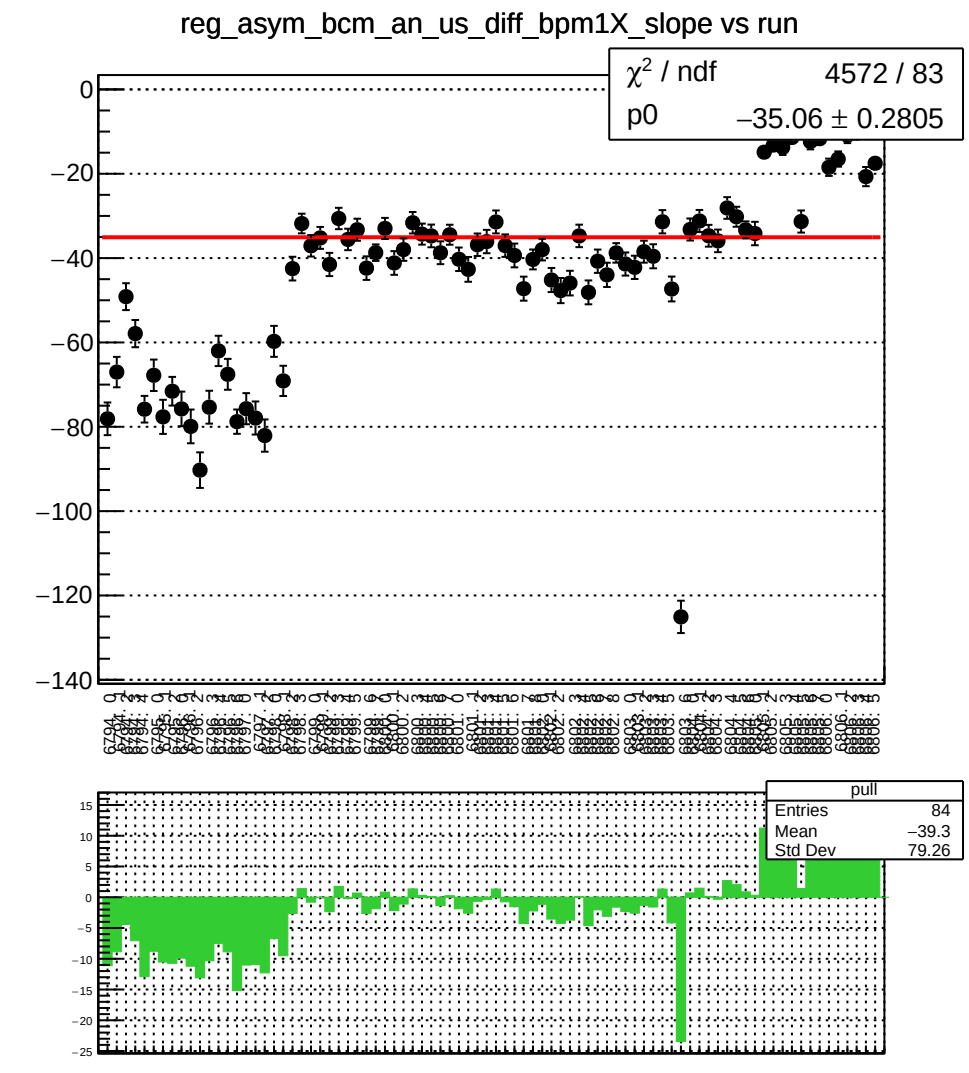

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 4576 / 83
p0 32.13 ± 0.2616
pull
Entries 84
Mean −39.67
Std Dev 79.61

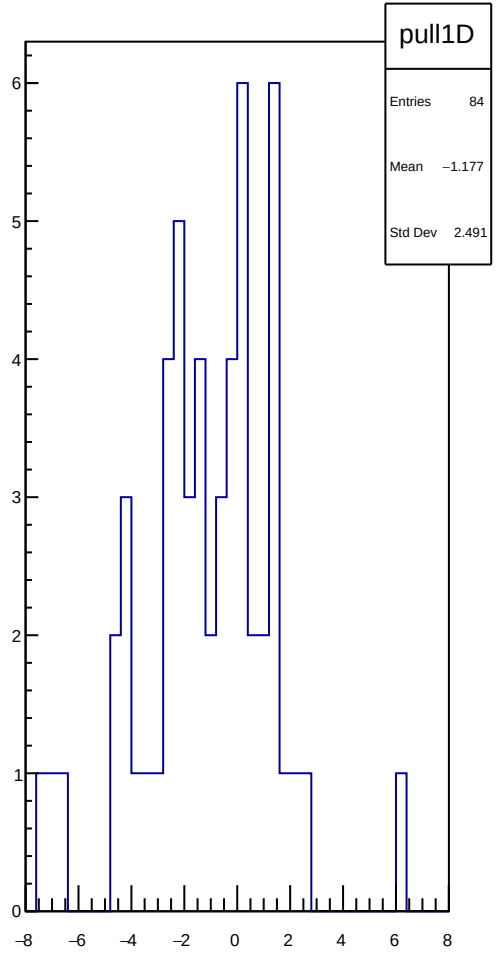

pull1D
Entries 84
Mean 1.164
Std Dev 2.497

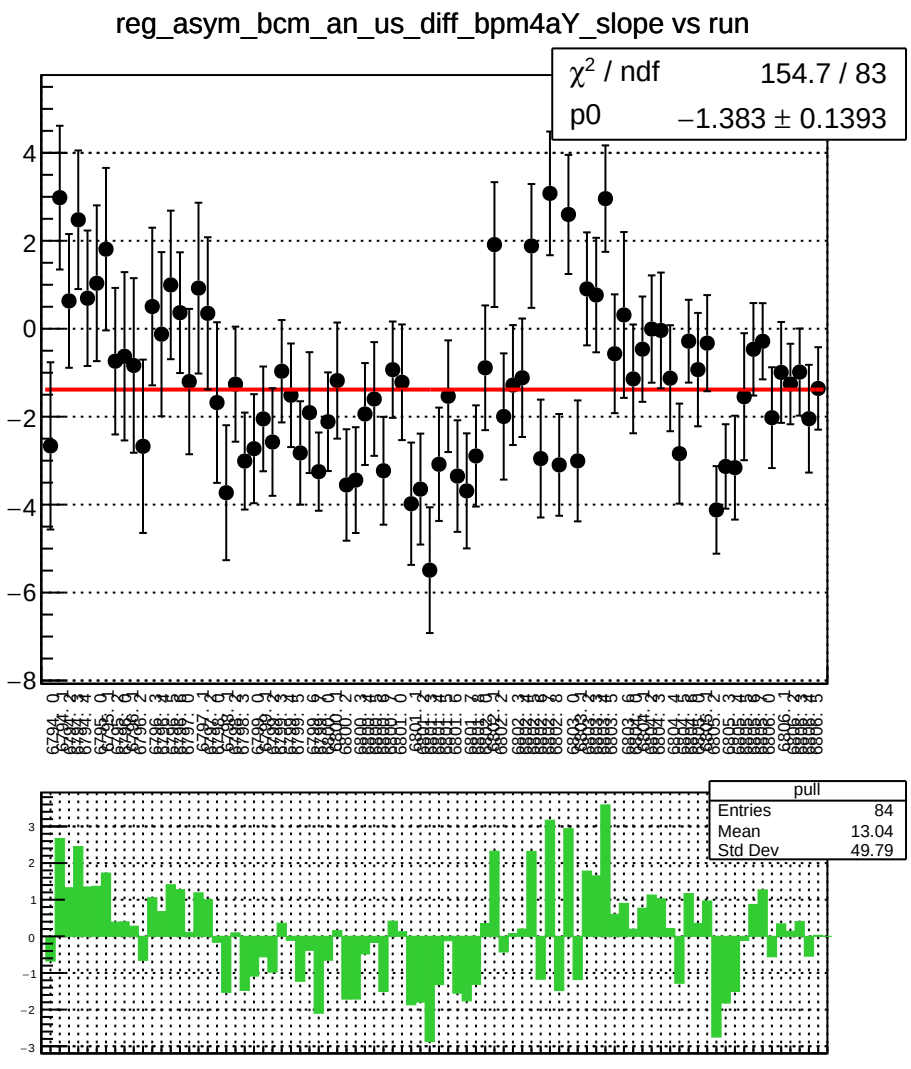

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 173.7 / 83
p0 1.486 ± 0.1923
pull
Entries 84
Mean 4.915
Std Dev 32.8

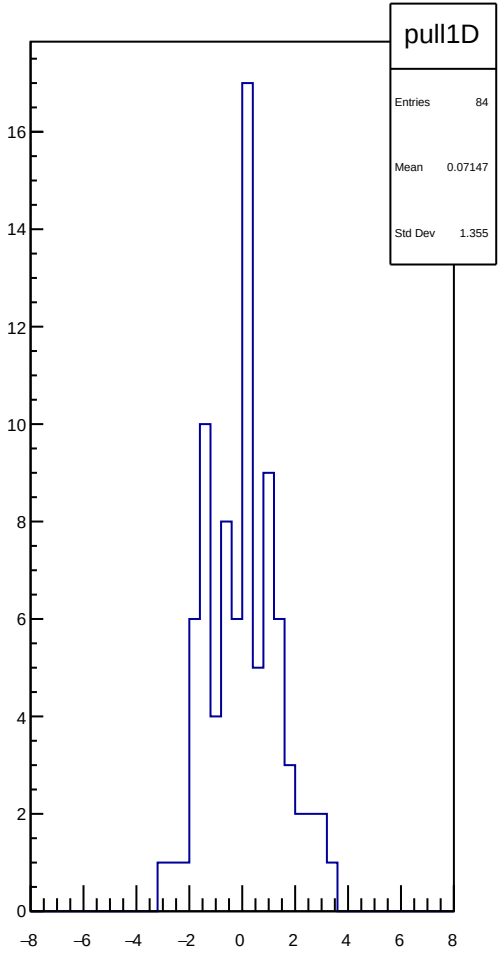

pull1D
Entries 84
Mean −0.1066
Std Dev 1.434

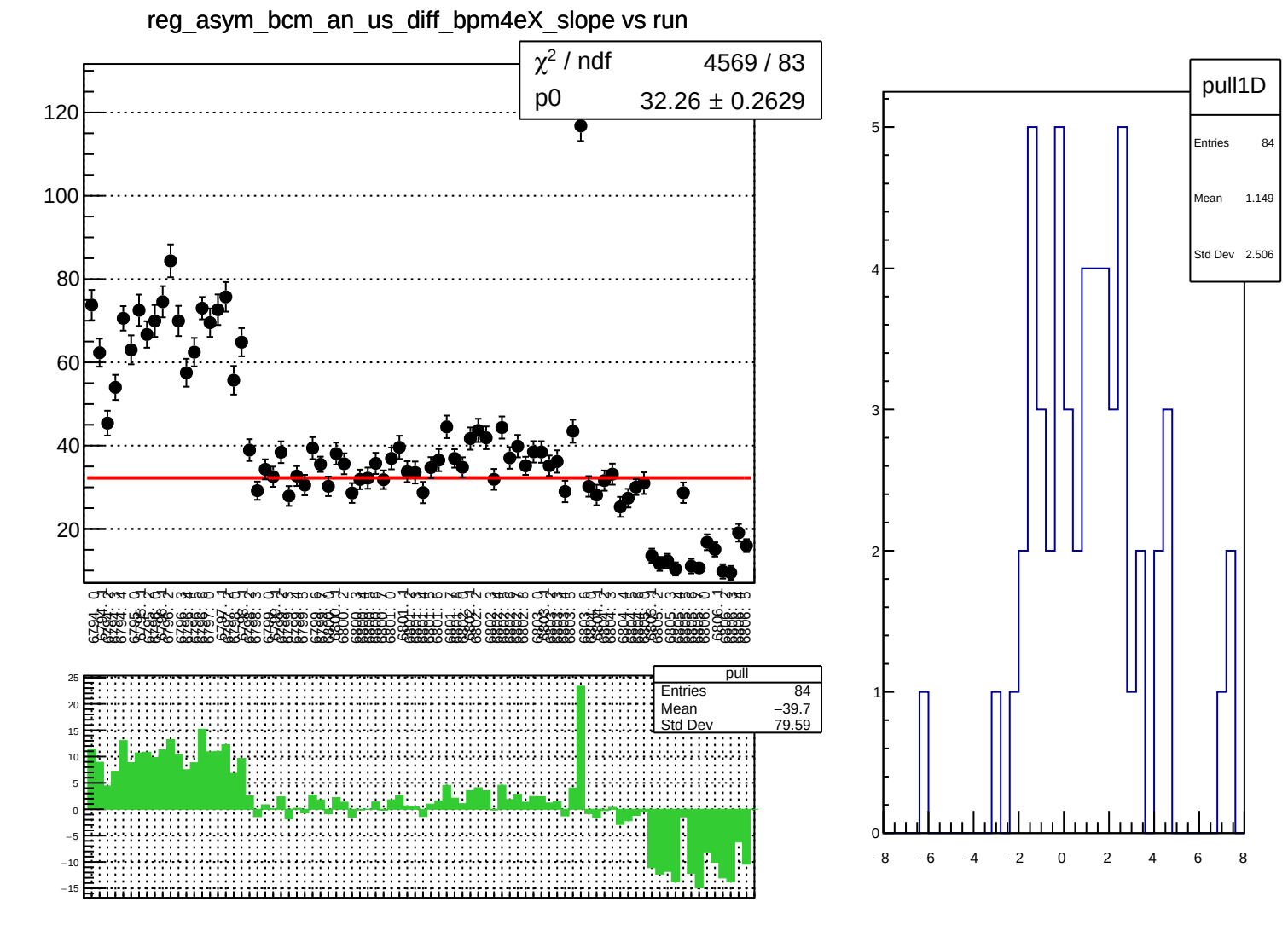

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 592.7 / 83
p0 0.1677 ± 0.01103
pull
Entries 84
Mean 90.36
Std Dev 17.99
pull1D
Entries 84
Mean 0.1282
Std Dev 2.431

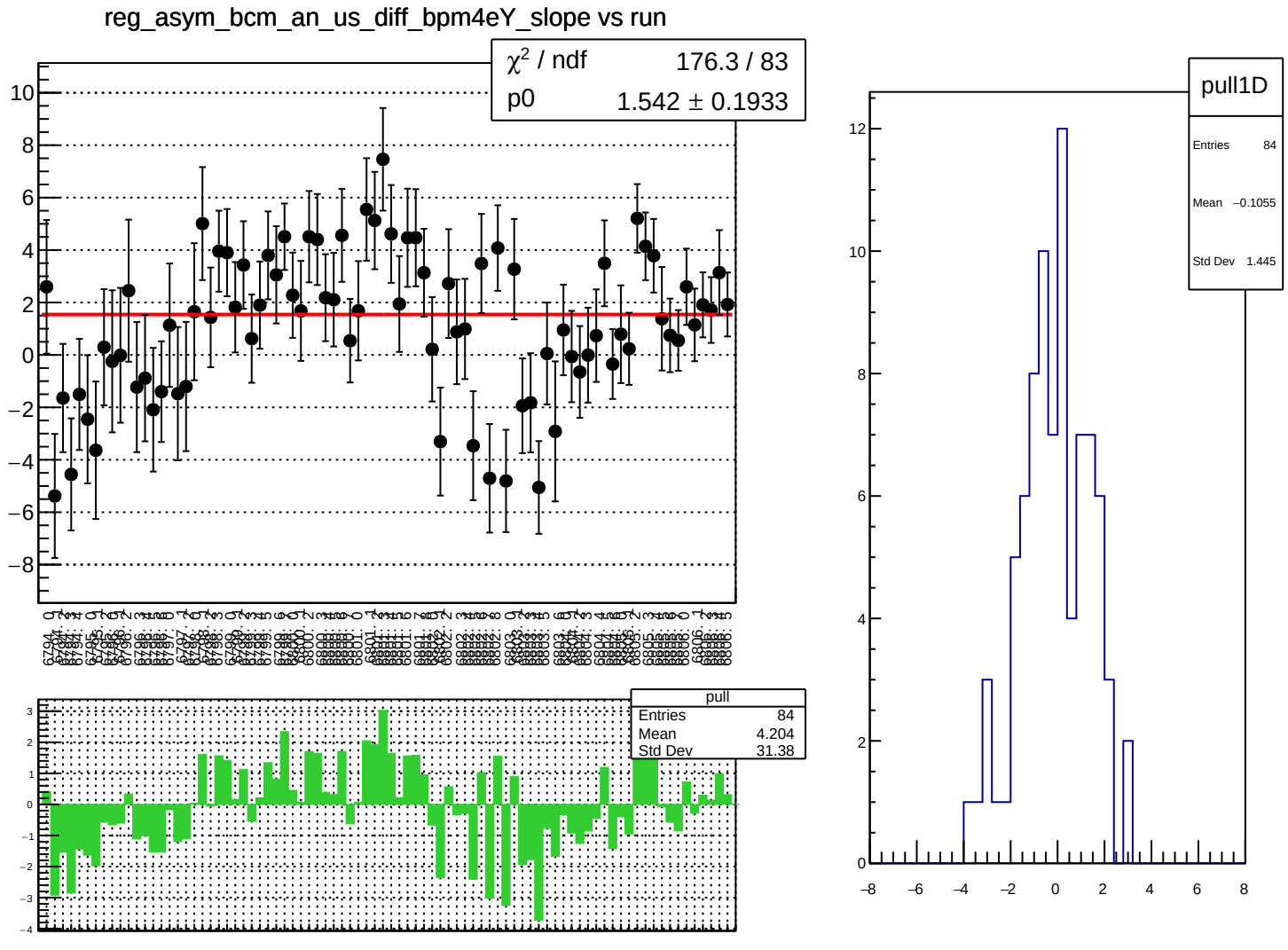

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 4572 / 83
p0 −35.06 ± 0.2805
pull
Entries 84
Mean −39.3
Std Dev 79.26

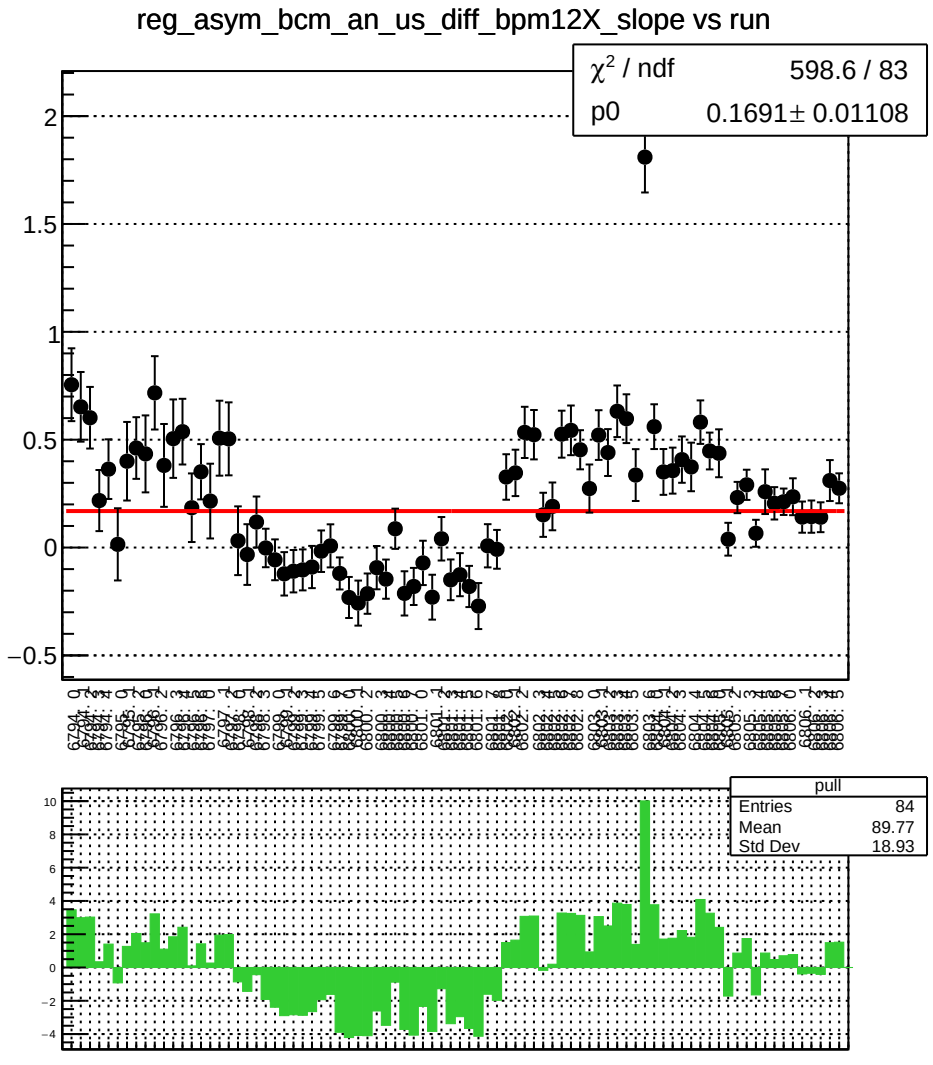

pull1D
Entries 84
Mean −1.177
Std Dev 2.491

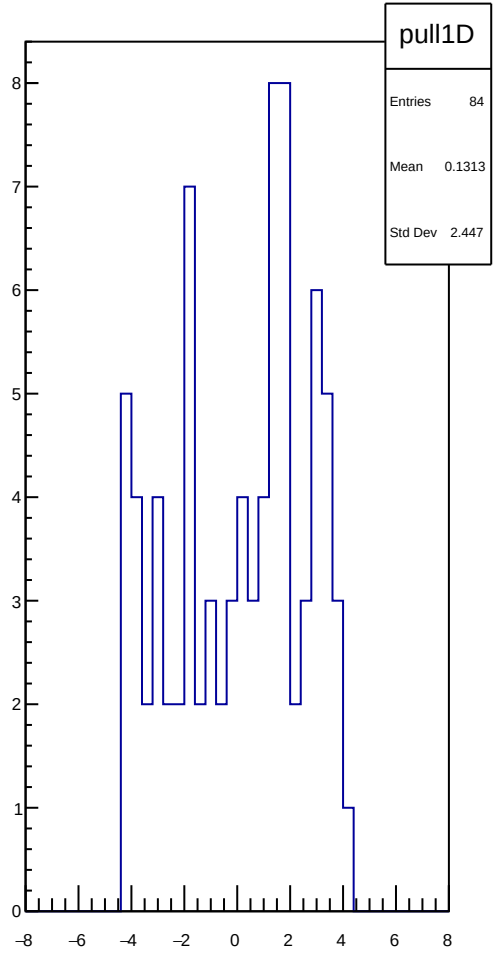

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 154.7 / 83
p0 −1.383 ± 0.1393
pull
Entries 84
Mean 13.04
Std Dev 49.79

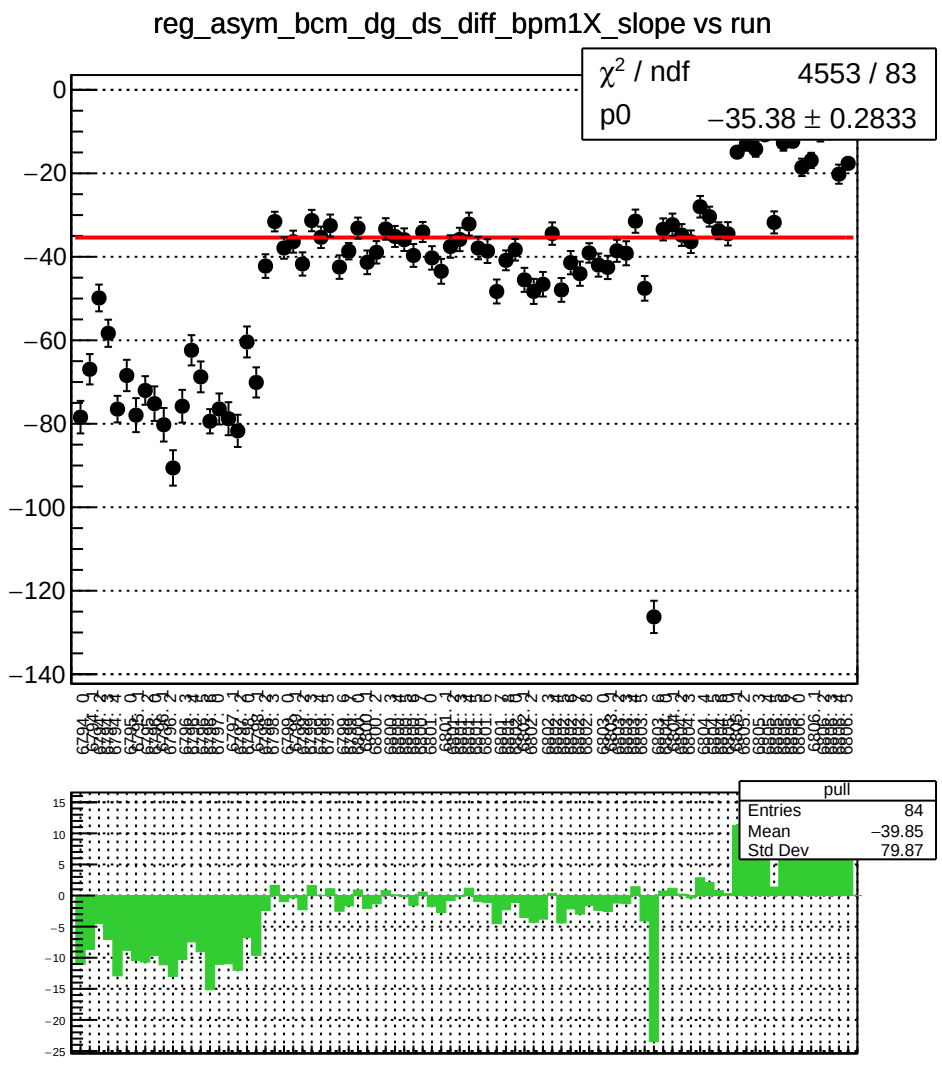

pull1D
Entries 84
Mean 0.07147
Std Dev 1.355

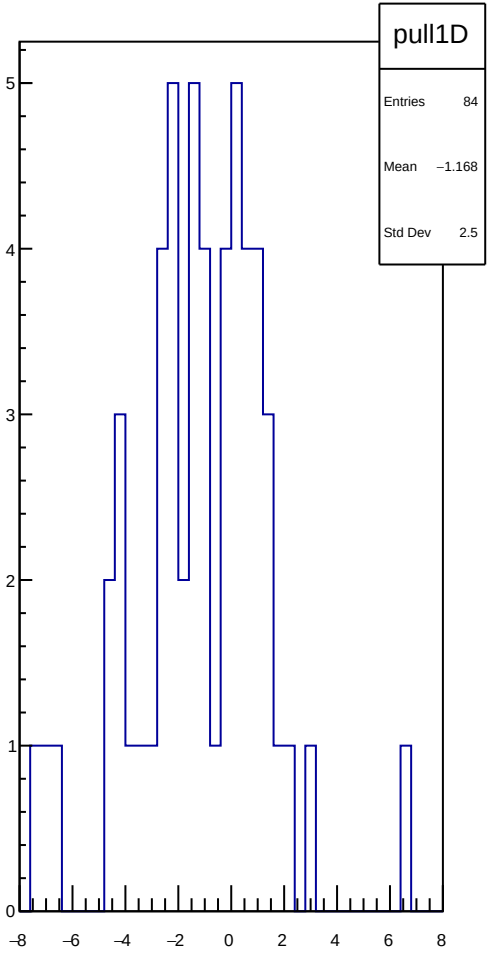

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 4569 / 83
p0 32.26 ± 0.2629
pull
Entries 84
Mean −39.7
Std Dev 79.59
pull1D
Entries 84
Mean 1.149
Std Dev 2.506

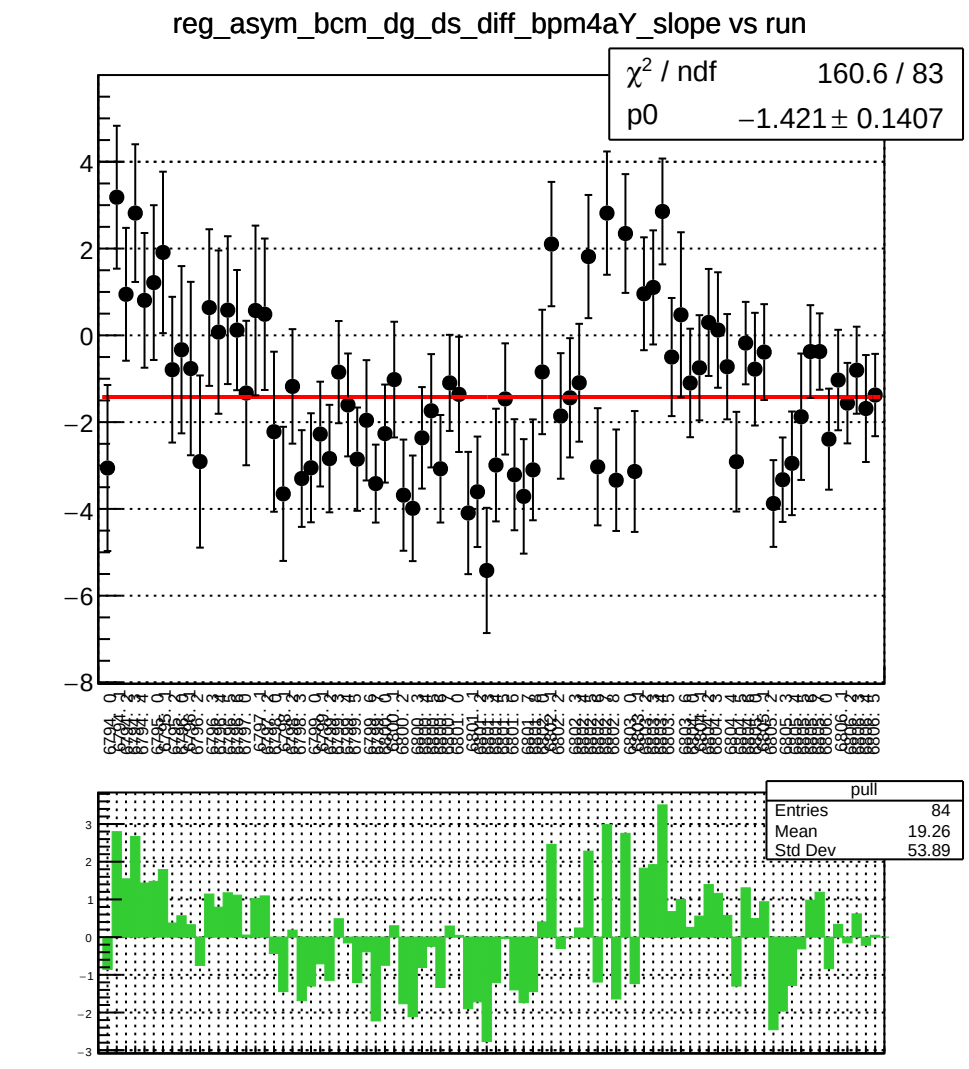

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 176.3 / 83
p0 1.542 ± 0.1933
pull
Entries 84
Mean 4.204
Std Dev 31.38
pull1D
Entries 84
Mean −0.1055
Std Dev 1.445

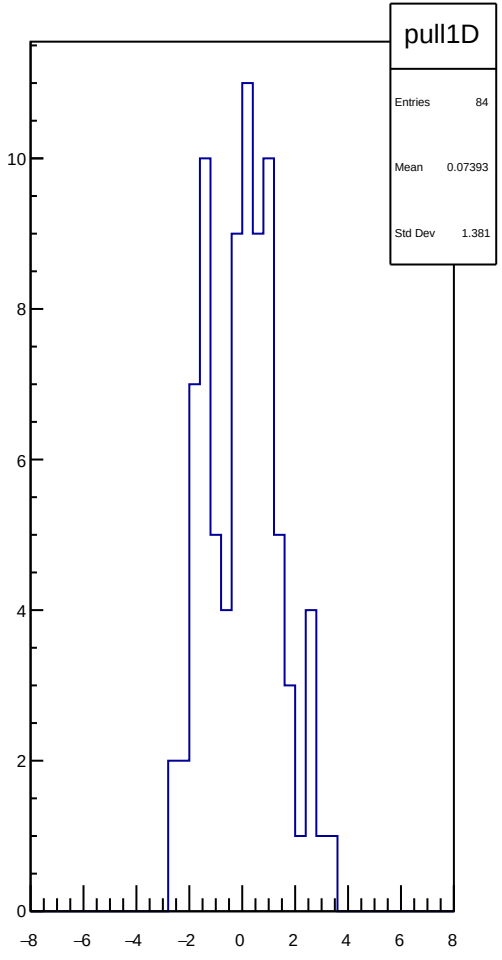

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 598.6 / 83
p0 0.1691± 0.01108
pull
Entries 84
Mean 89.77
Std Dev 18.93

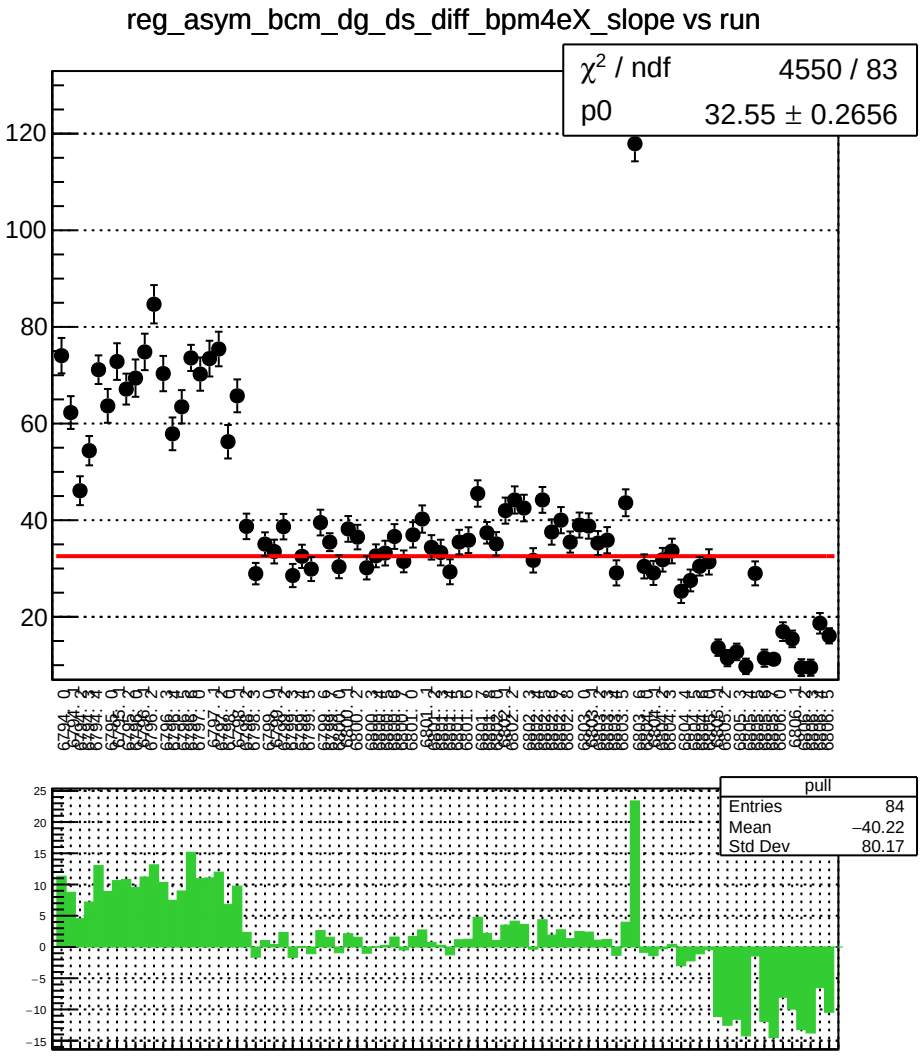

pull1D
Entries 84
Mean 0.1313
Std Dev 2.447

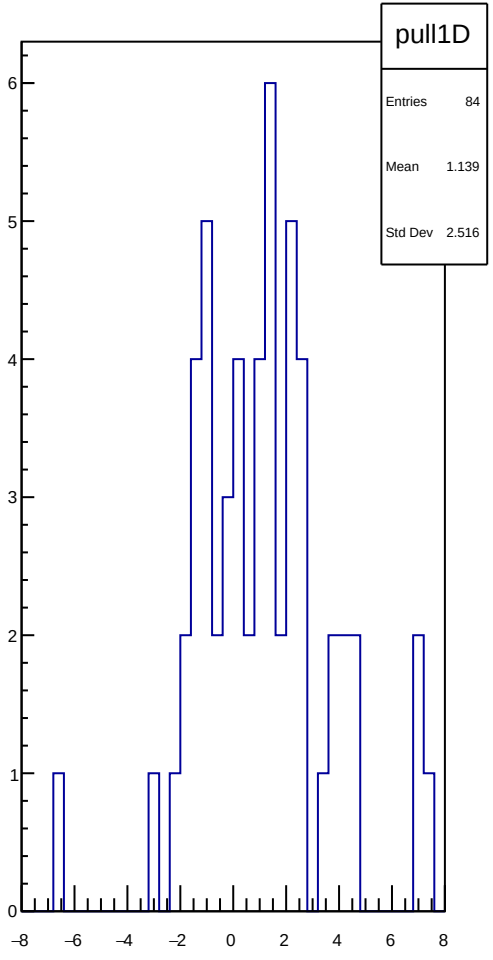

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 4553 / 83
p0 −35.38 ± 0.2833
pull
Entries 84
Mean −39.85
Std Dev 79.87

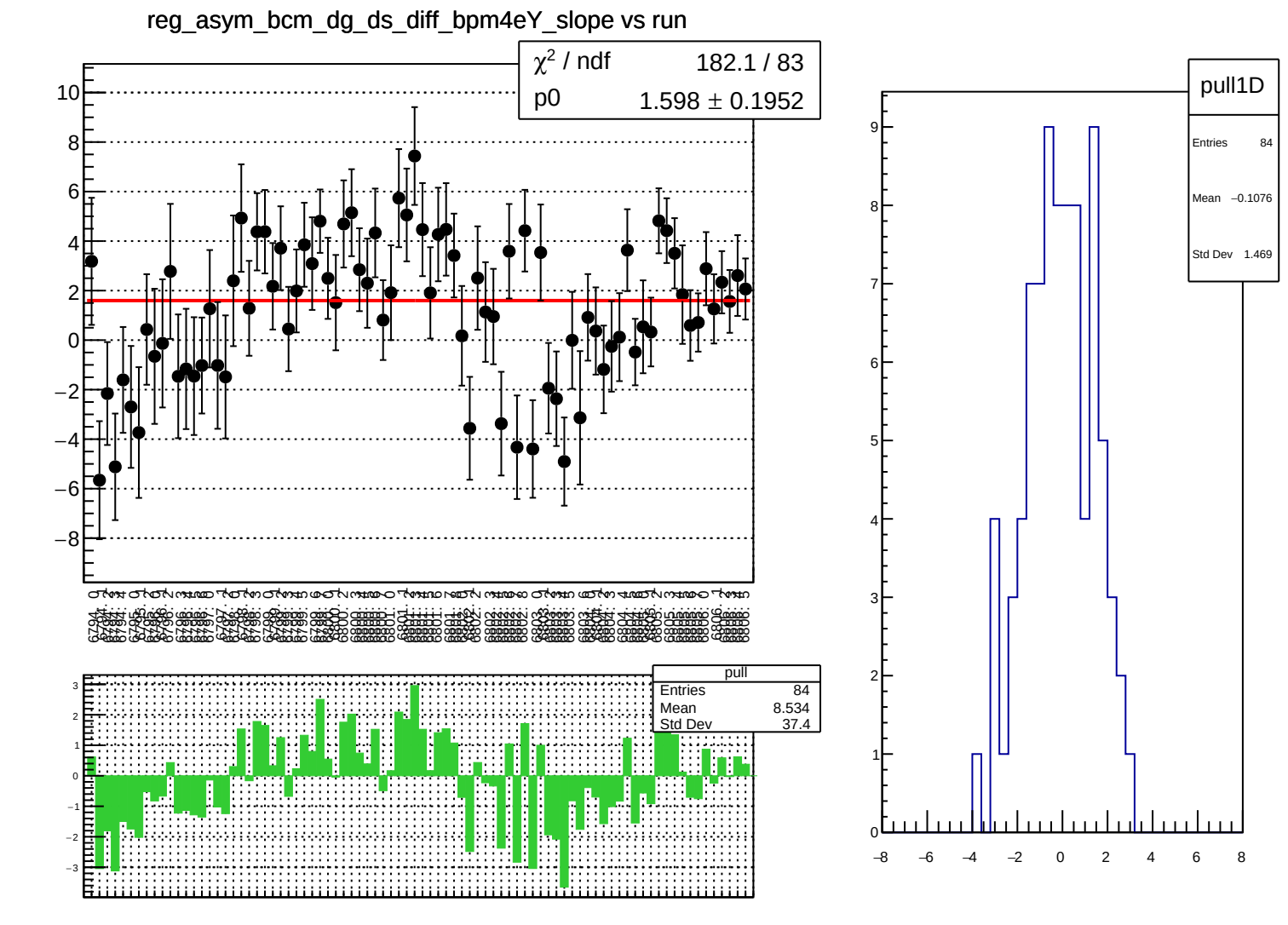

pull1D
Entries 84
Mean −1.168
Std Dev 2.5

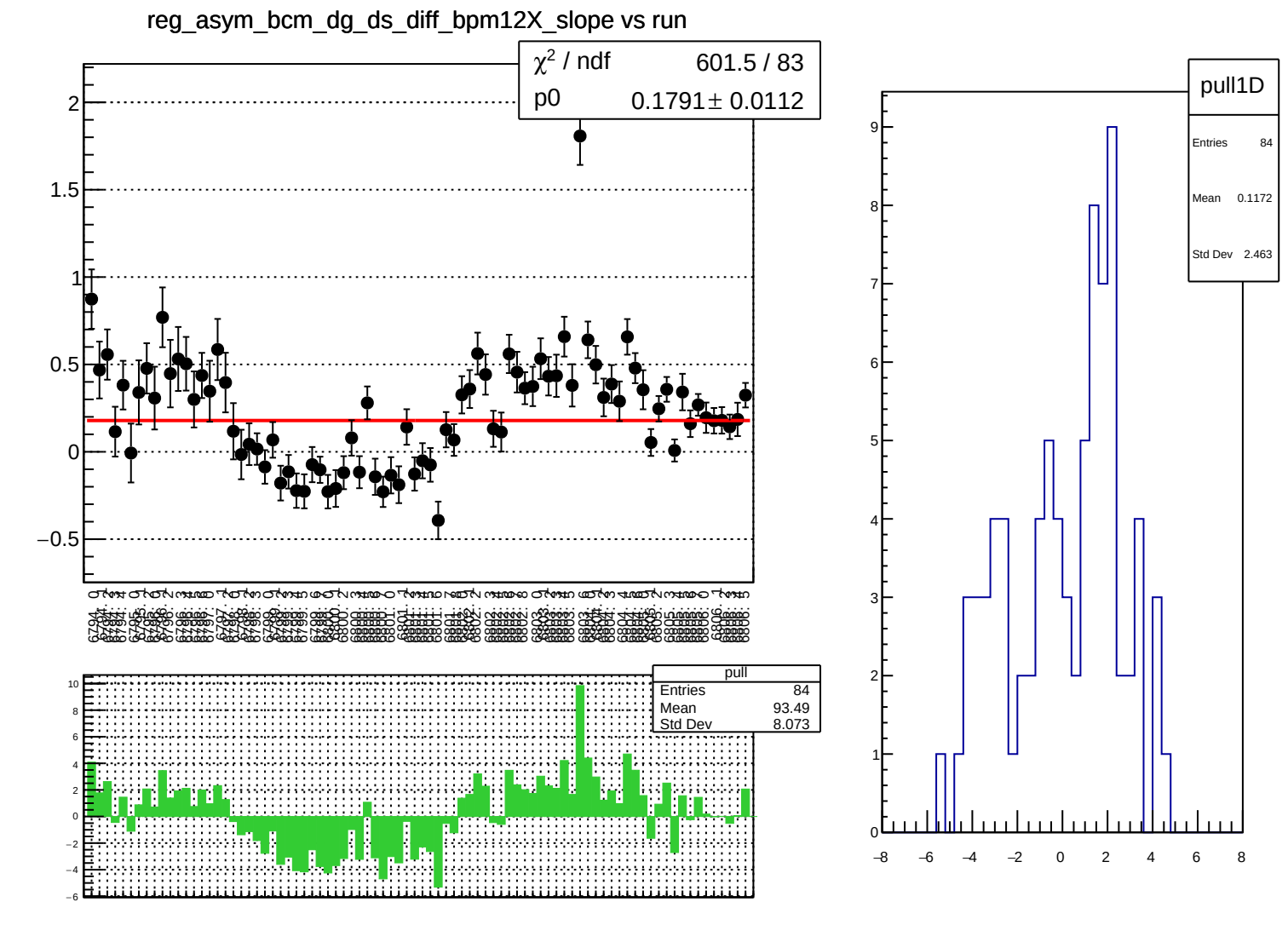

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 160.6 / 83
p0 −1.421 ± 0.1407
pull
Entries 84
Mean 19.26
Std Dev 53.89

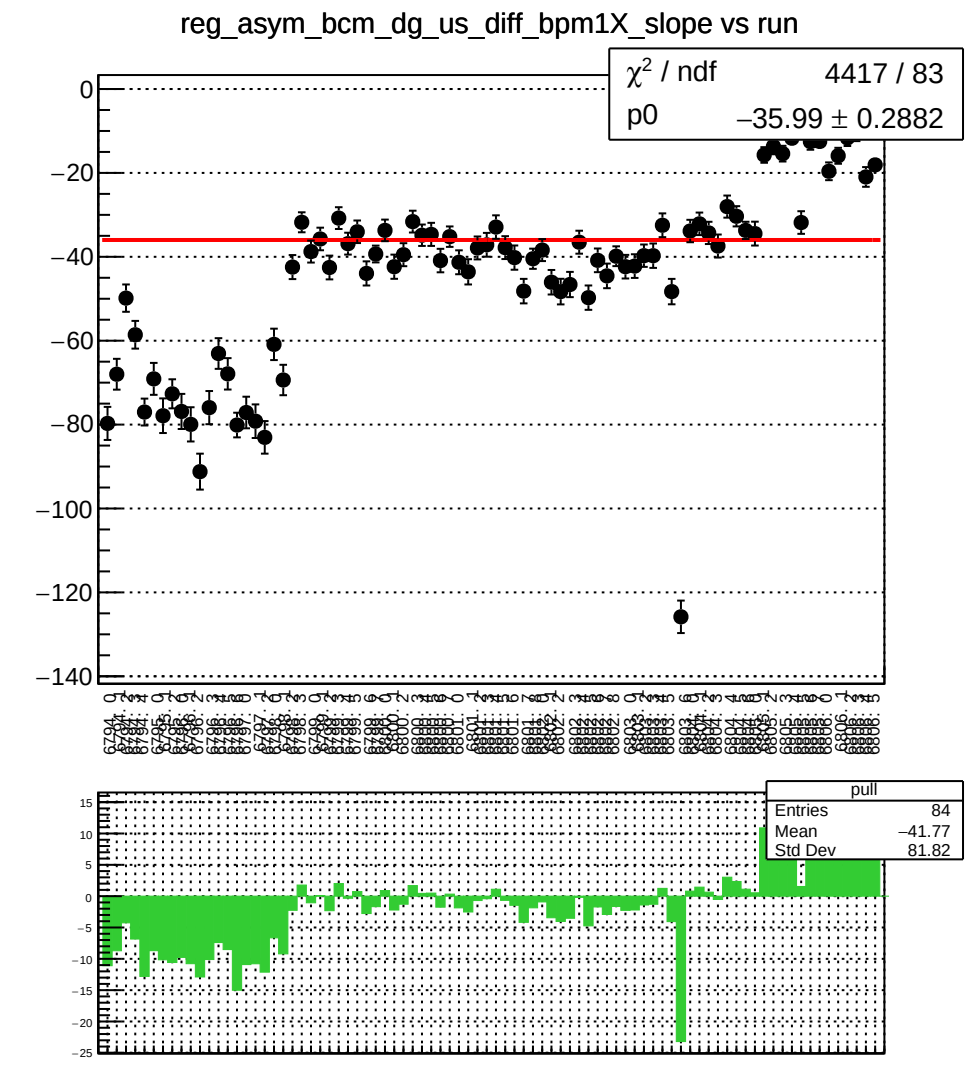

pull1D
Entries 84
Mean 0.07393
Std Dev 1.381

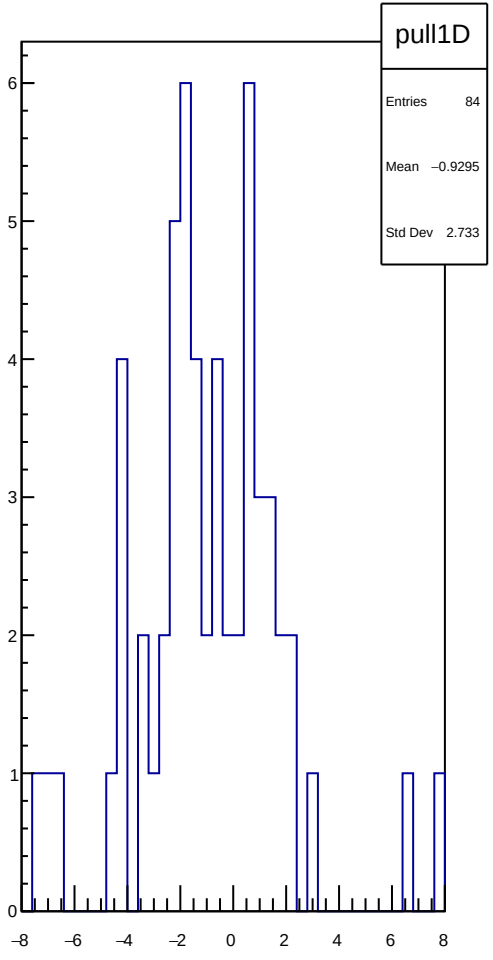

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 4550 / 83
p0 32.55 ± 0.2656
pull
Entries 84
Mean −40.22
Std Dev 80.17

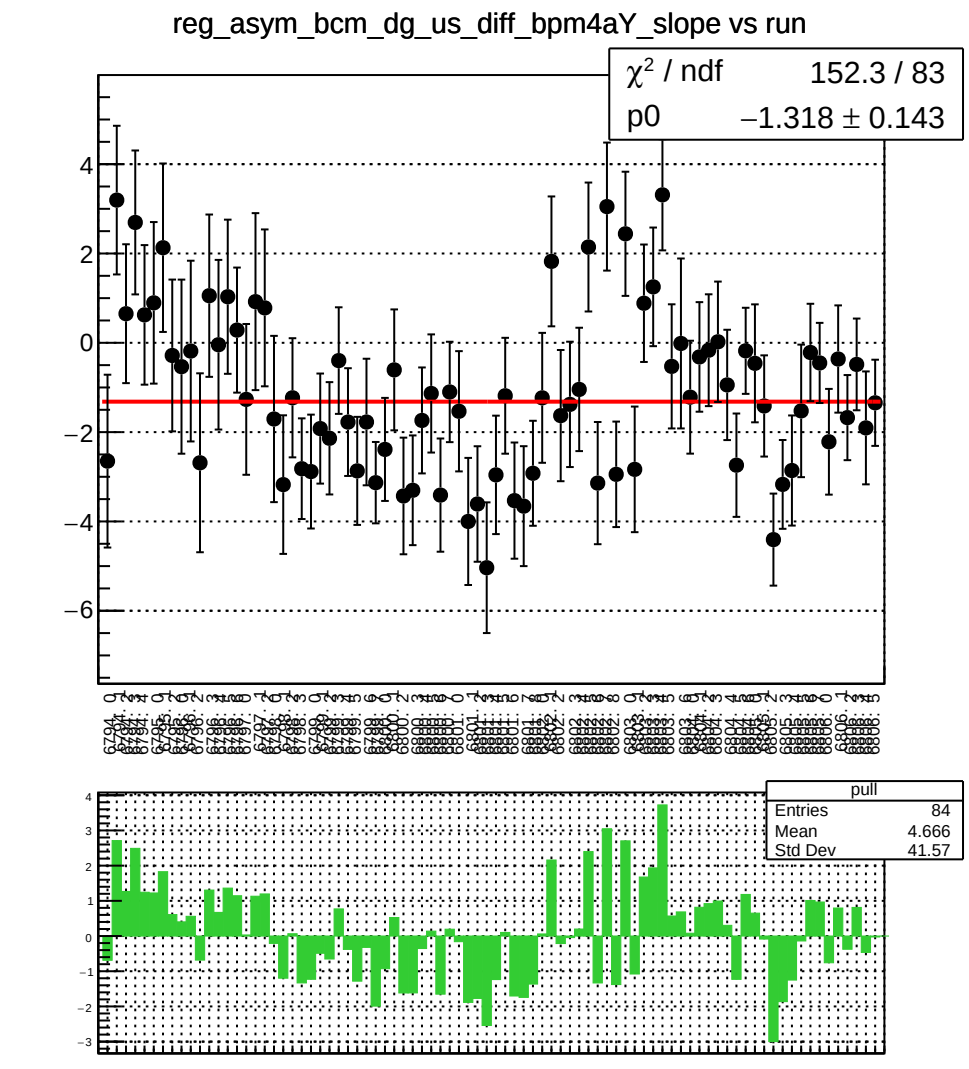

pull1D
Entries 84
Mean 1.139
Std Dev 2.516

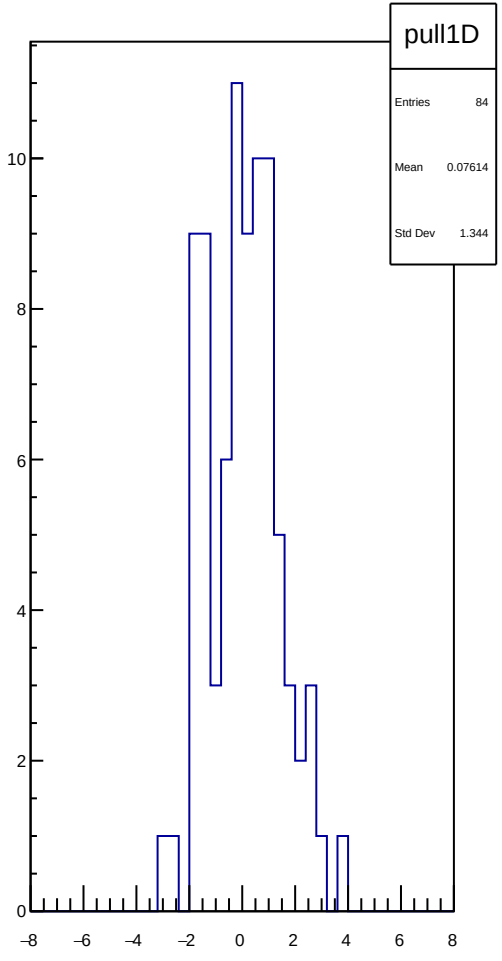

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 182.1 / 83
p0 1.598 ± 0.1952
pull
Entries 84
Mean 8.534
Std Dev 37.4
pull1D
Entries 84
Mean −0.1076
Std Dev 1.469

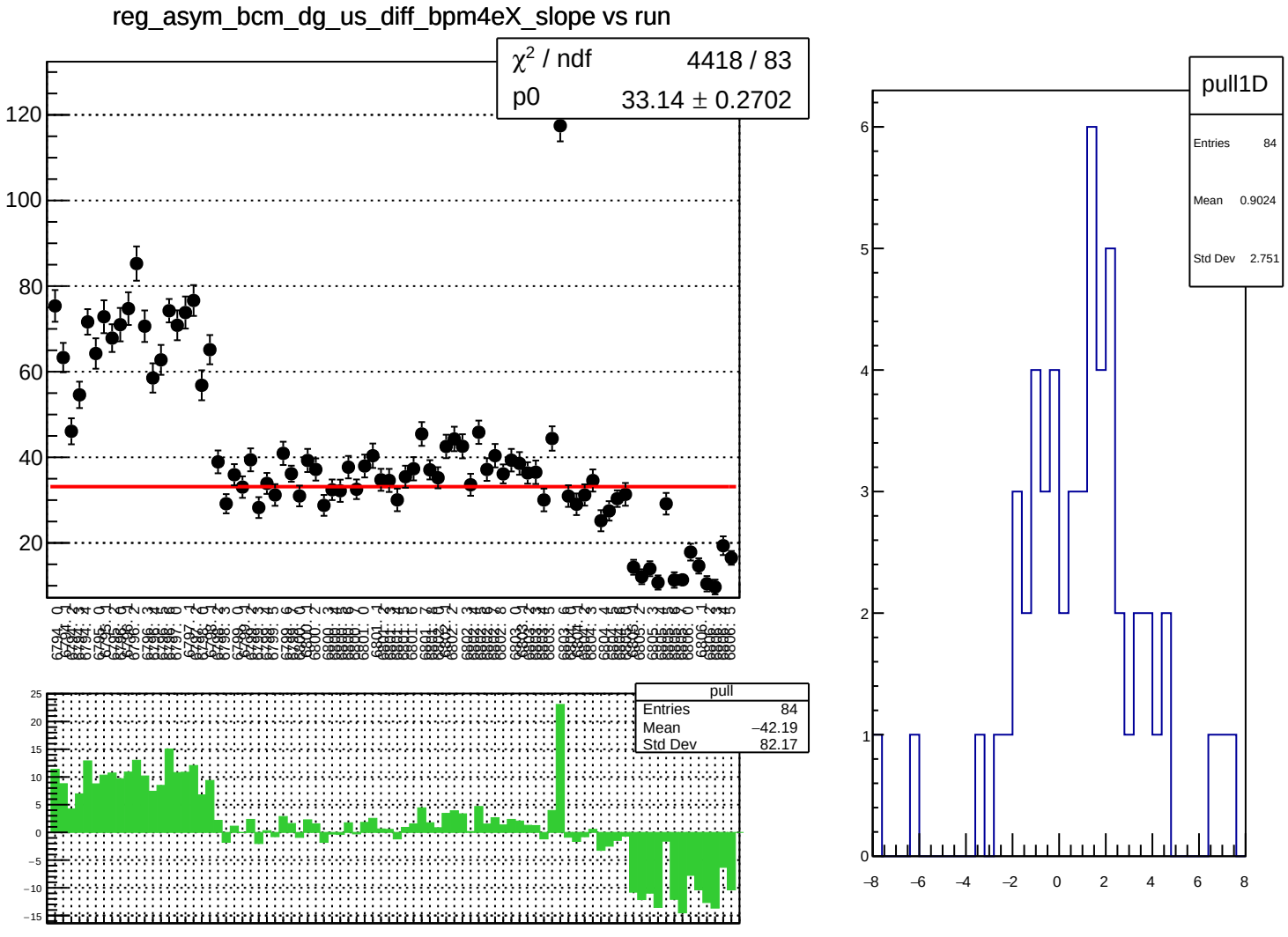

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 601.5 / 83
p0 0.1791 ± 0.0112
pull
Entries 84
Mean 93.49
Std Dev 8.073
pull1D
Entries 84
Mean 0.1172
Std Dev 2.463

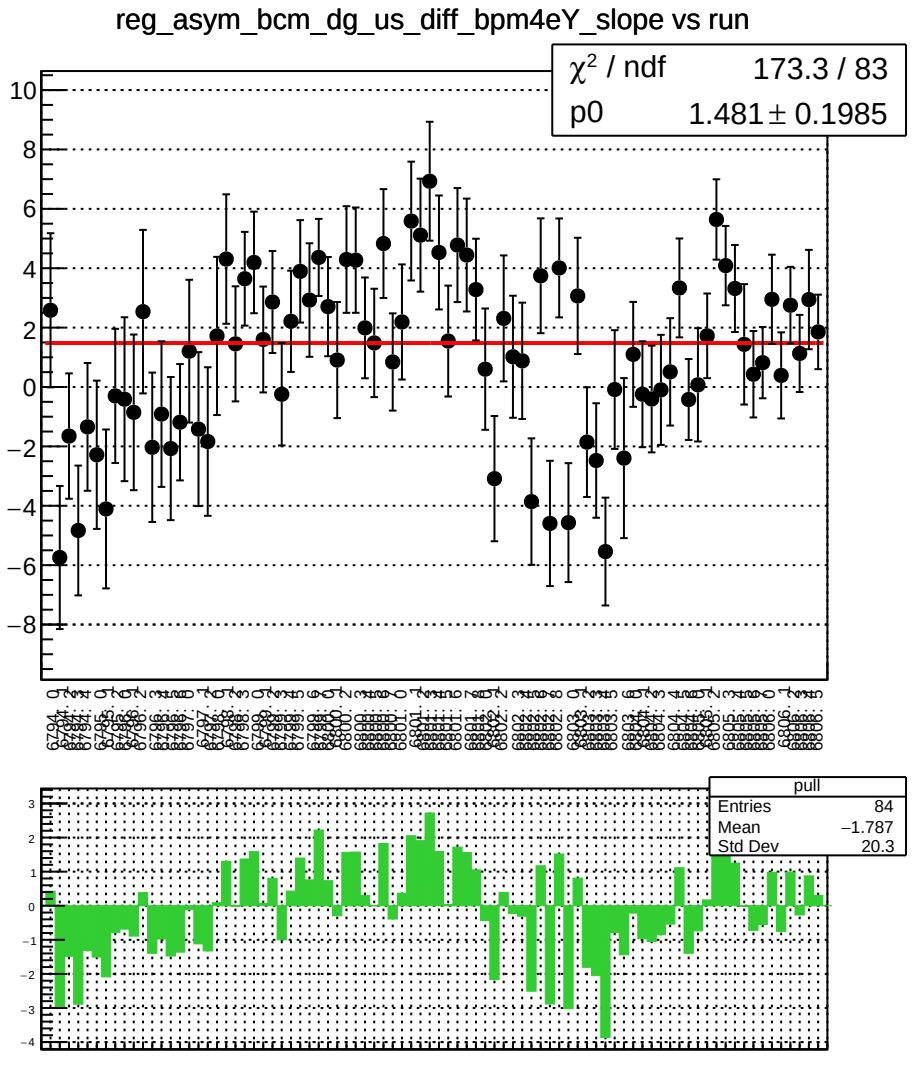

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 4417 / 83
p0 −35.99 ± 0.2882
pull
Entries 84
Mean −41.77
Std Dev 81.82

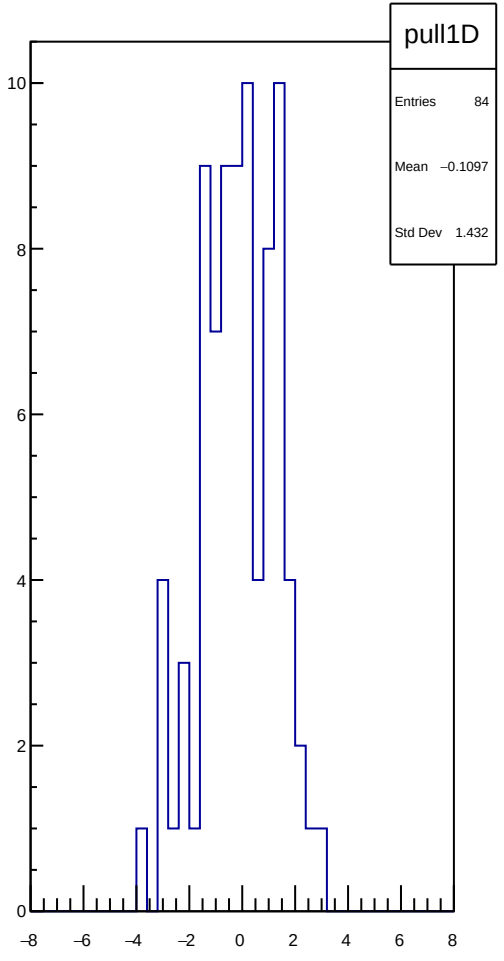

pull1D
Entries 84
Mean −0.9295
Std Dev 2.733

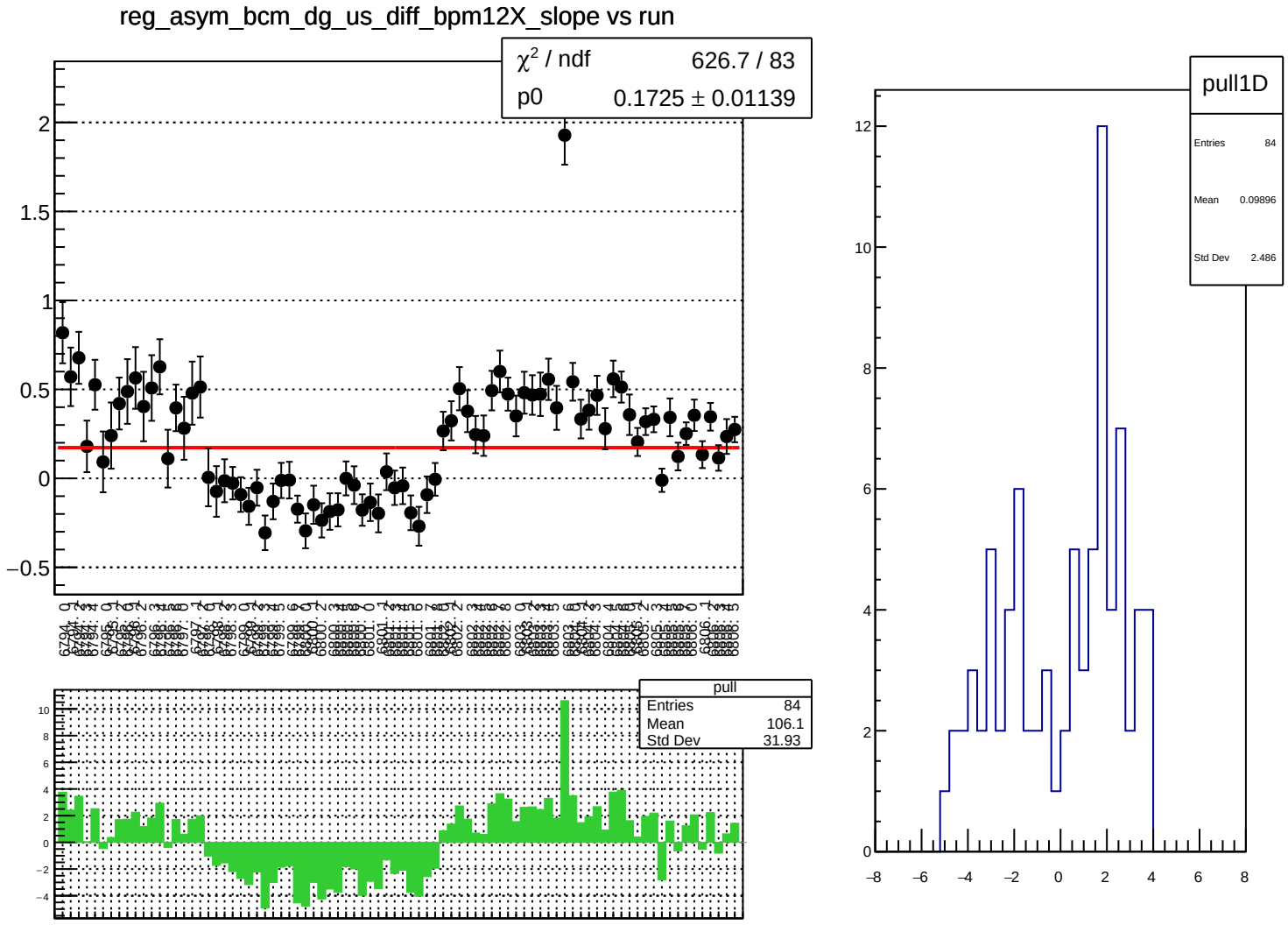

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 152.3 / 83
p0 −1.318 ± 0.143
pull
Entries 84
Mean 4.666
Std Dev 41.57


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