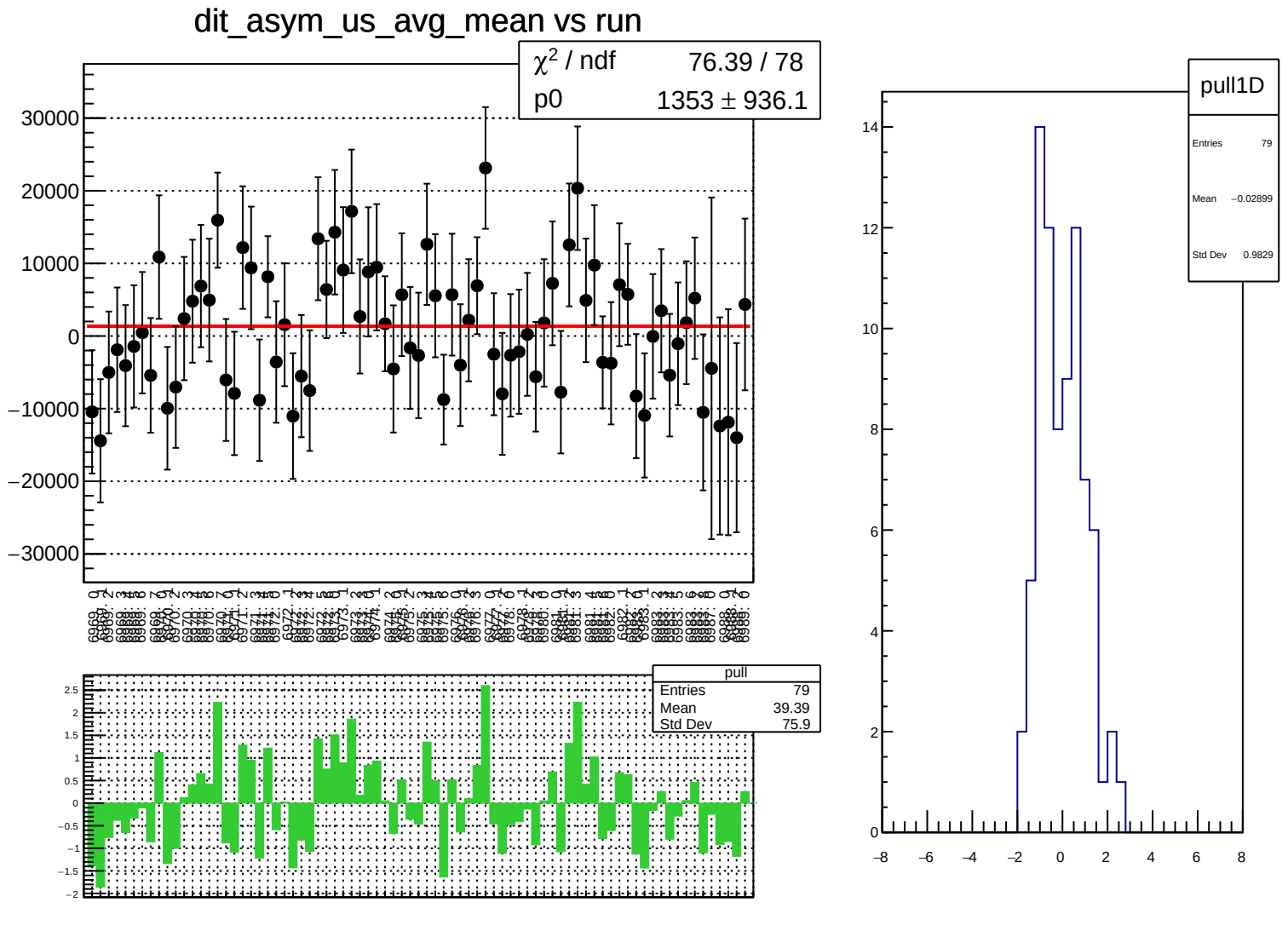
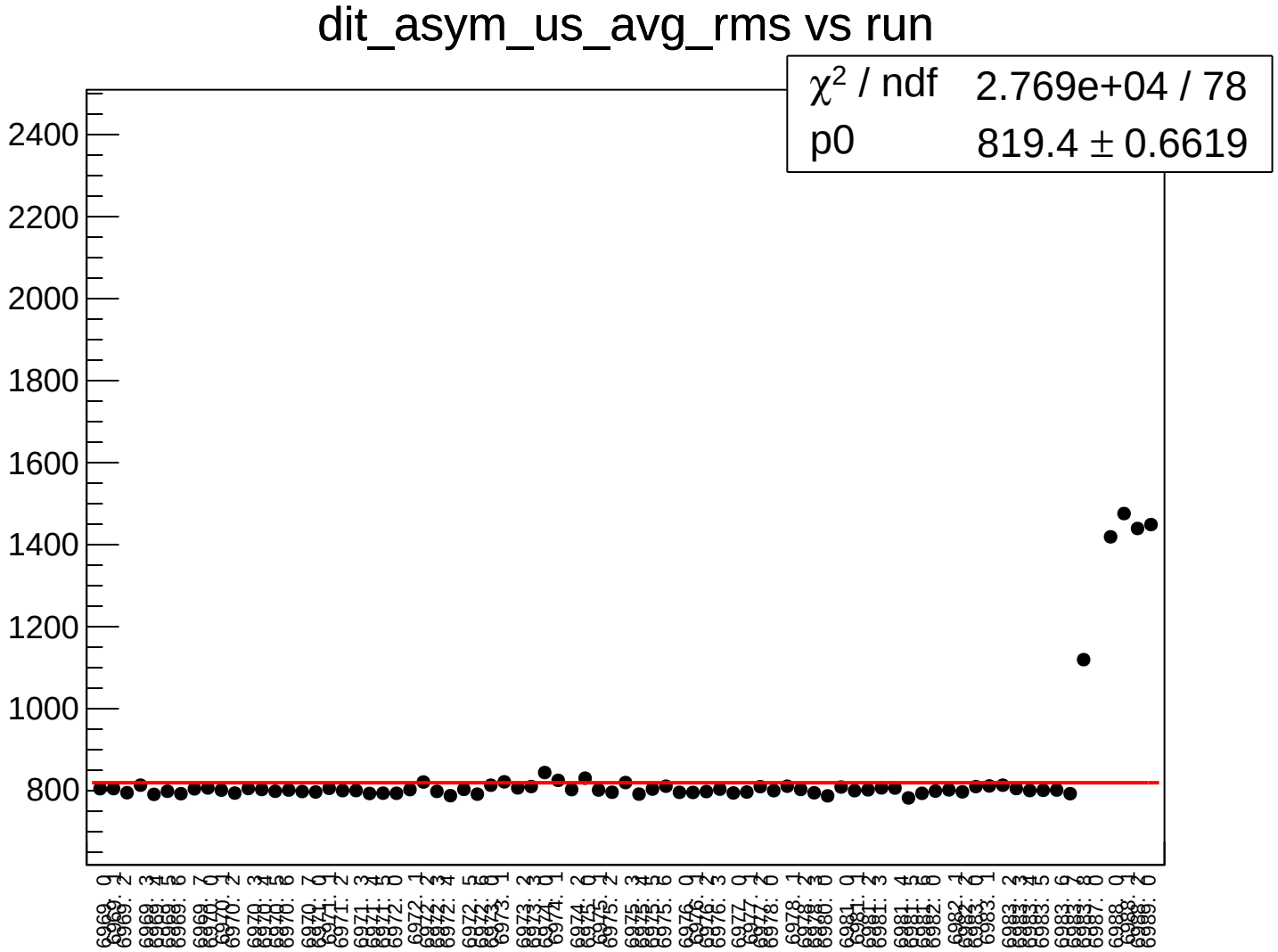
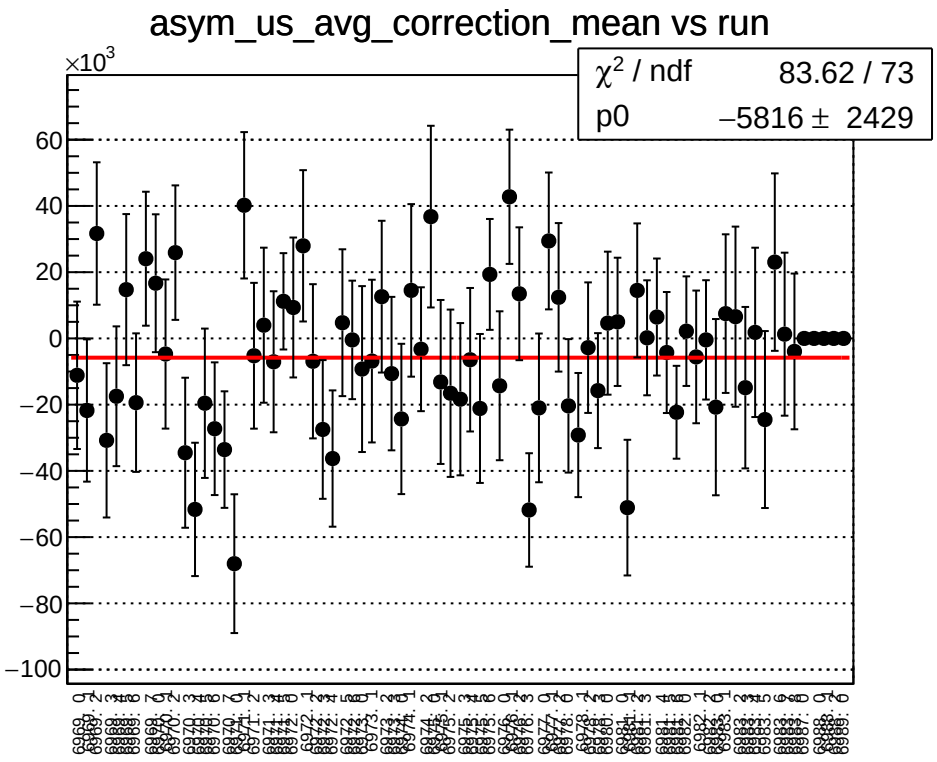
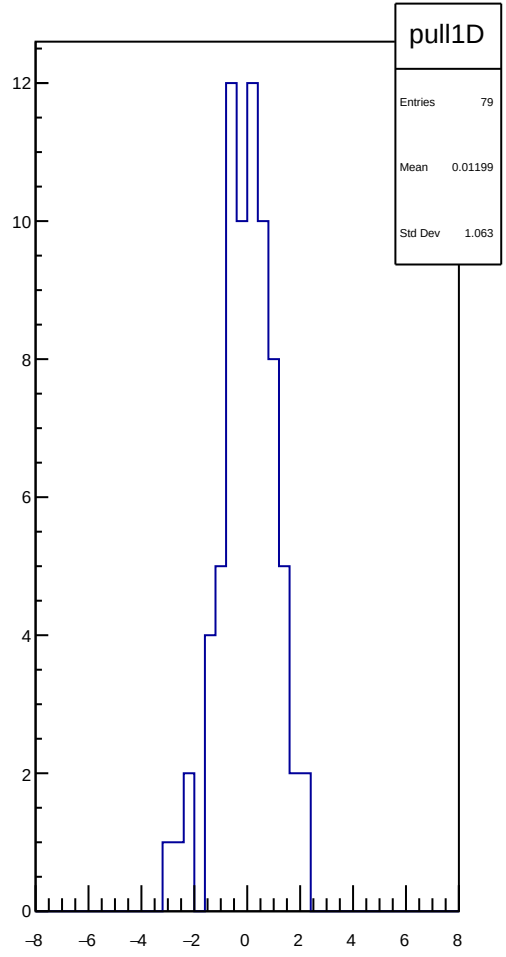
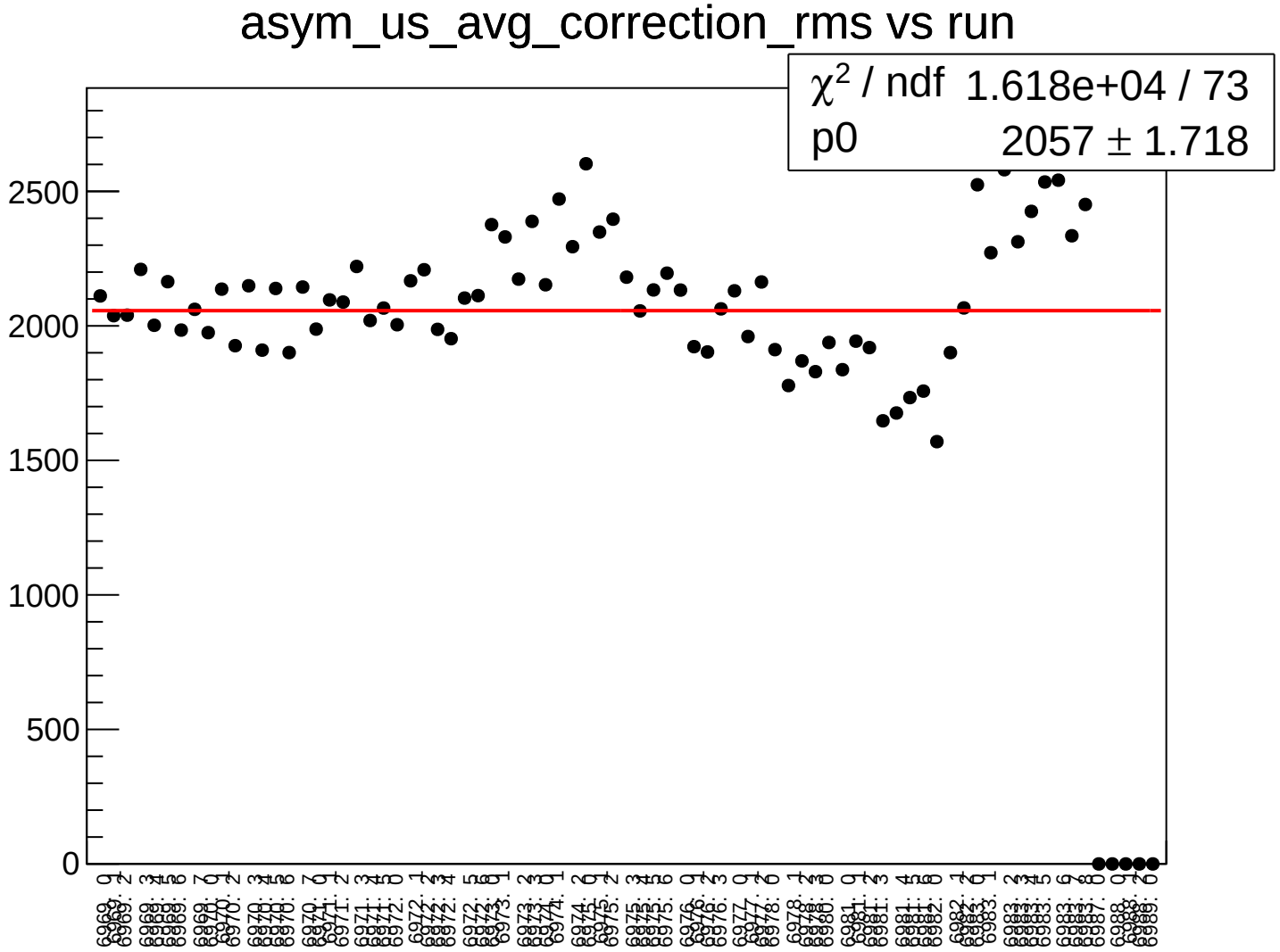
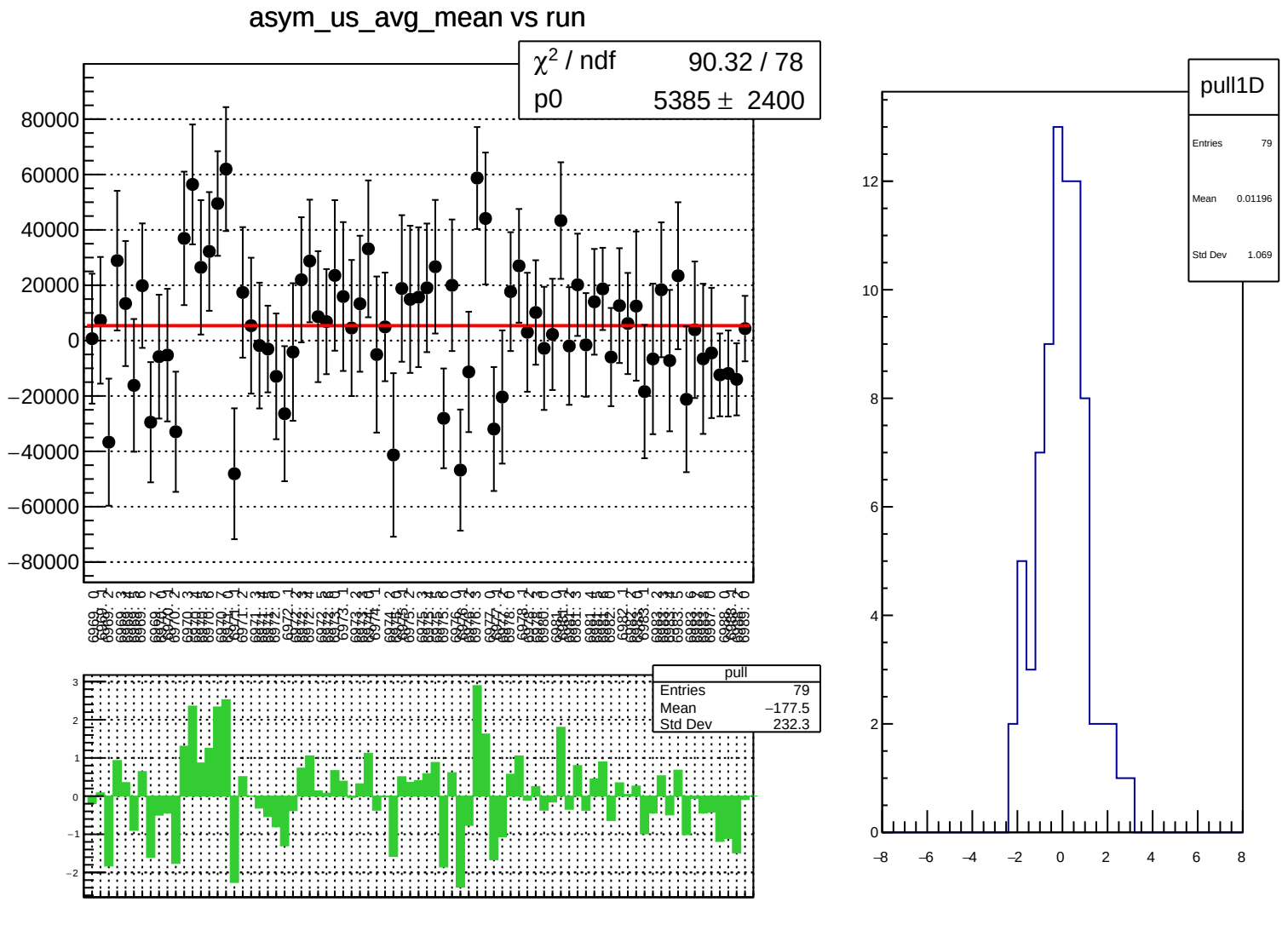

dit_asym_us_avg_mean vs run
χ² / ndf 76.39 / 78
p0 1353 ± 936.1
pull
Entries 79
Mean 39.39
Std Dev 75.9
pull1D
Entries 79
Mean −0.02899
Std Dev 0.9829

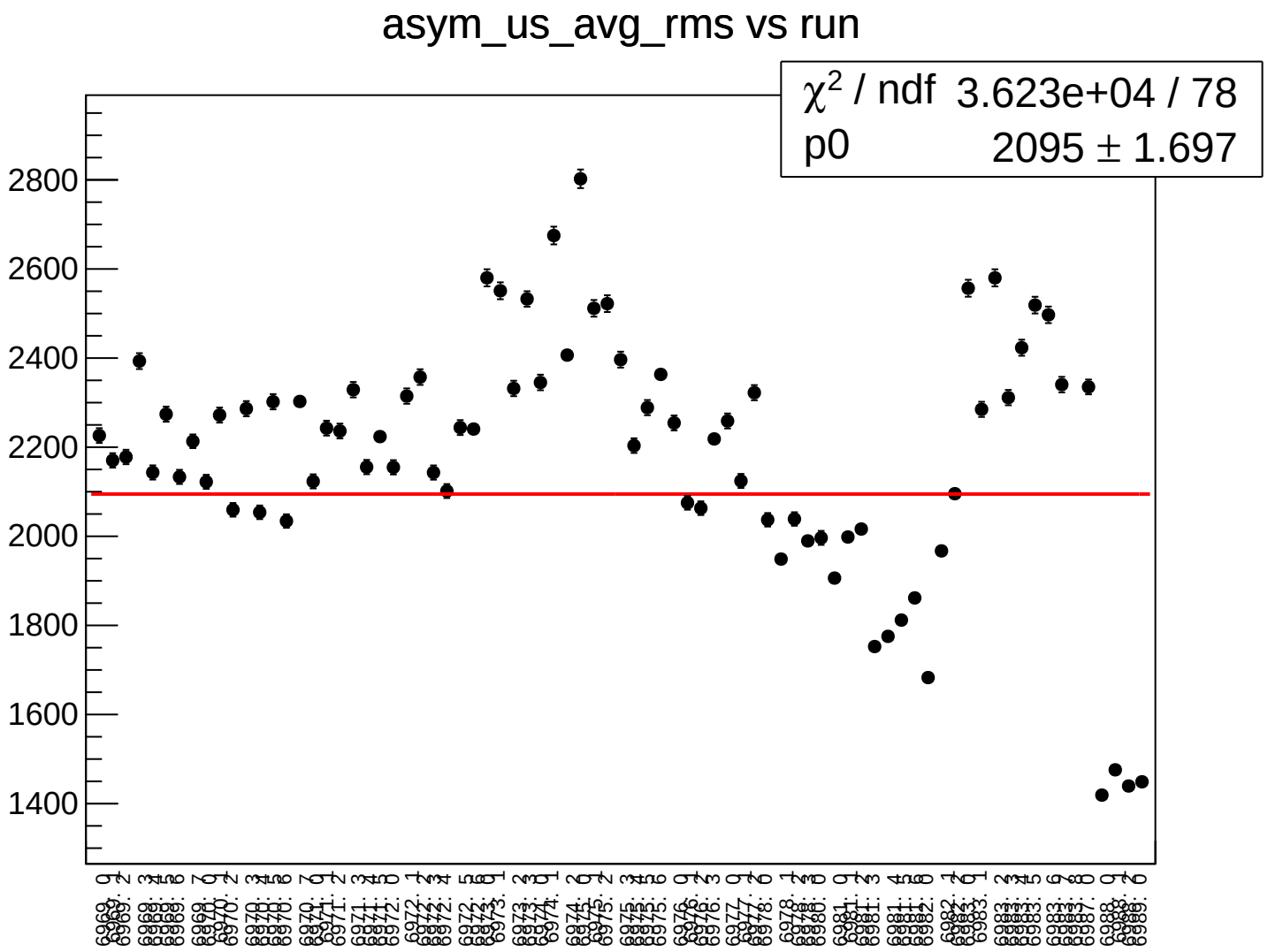

dit_asym_us_avg_rms vs run
χ^2 / ndf 2.769e+04 / 78
p0 819.4 ± 0.6619
2400
2200
2000
1800
1600
1400
1200
1000
800

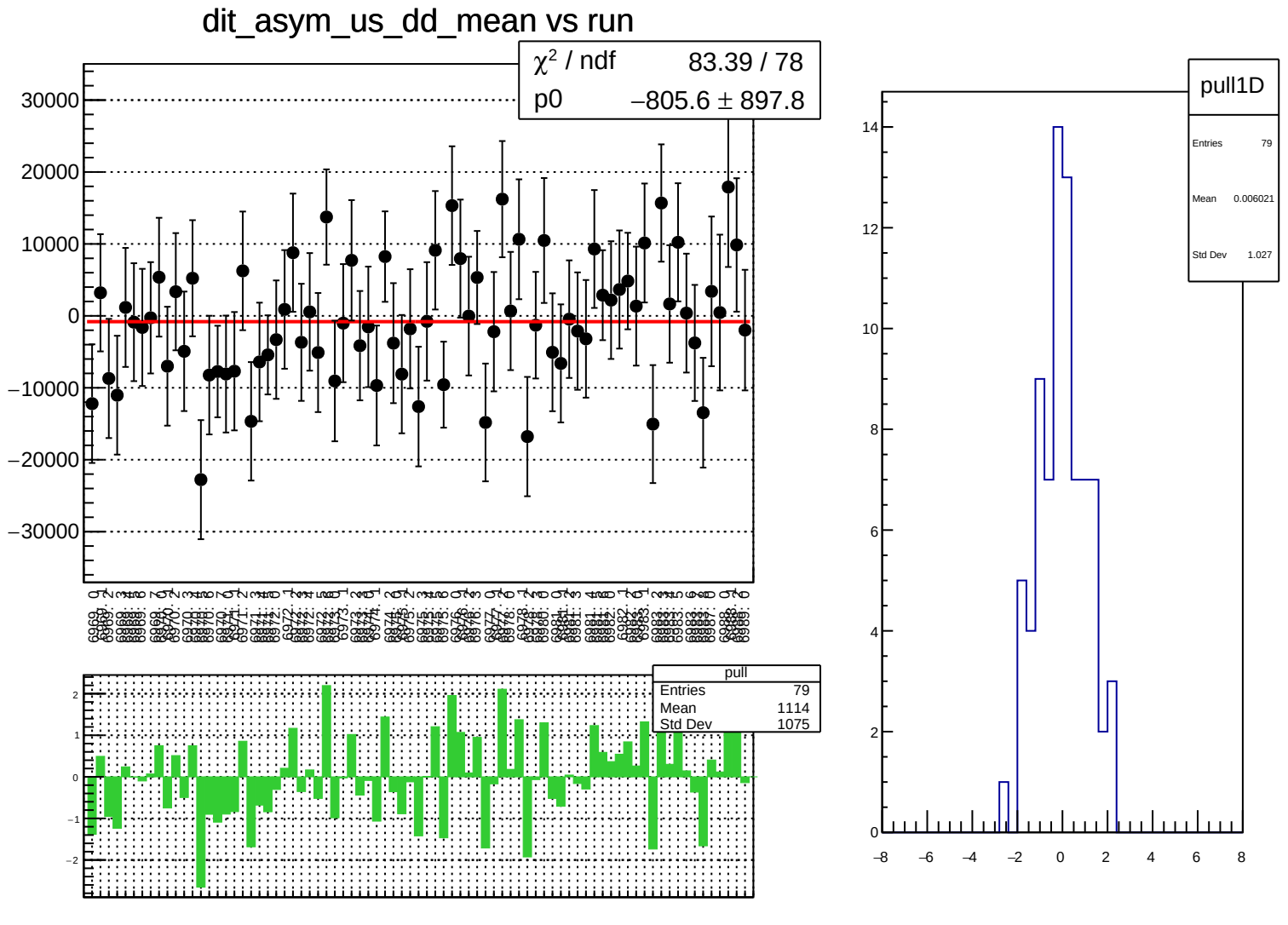

asym_us_avg_correction_mean vs run
×10^3
χ² / ndf 83.62 / 73
p0 −5816 ± 2429
60
40
20
0
−20
−40
−60
−80
−100

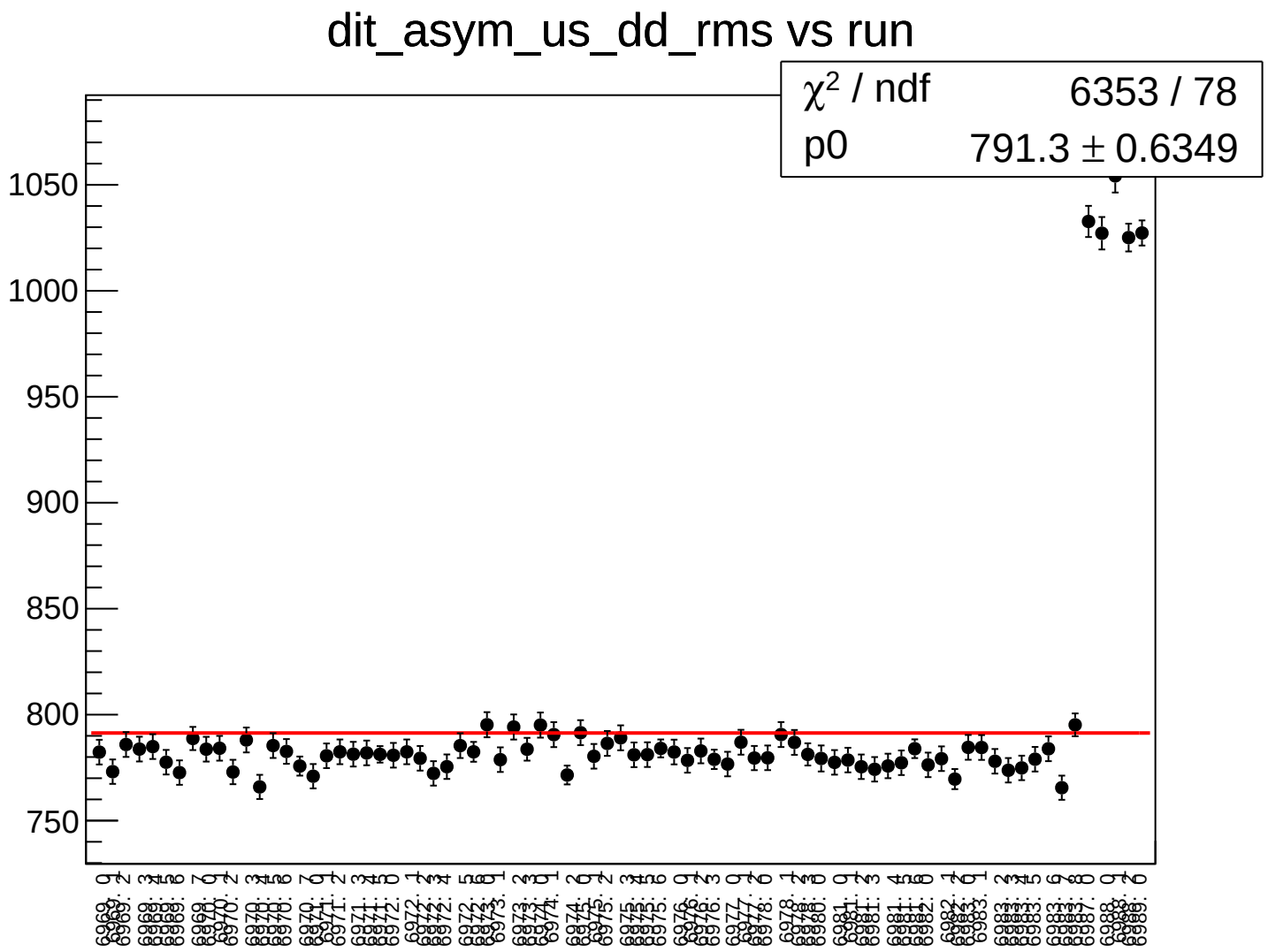

pull1D
Entries 79
Mean 0.01199
Std Dev 1.063
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

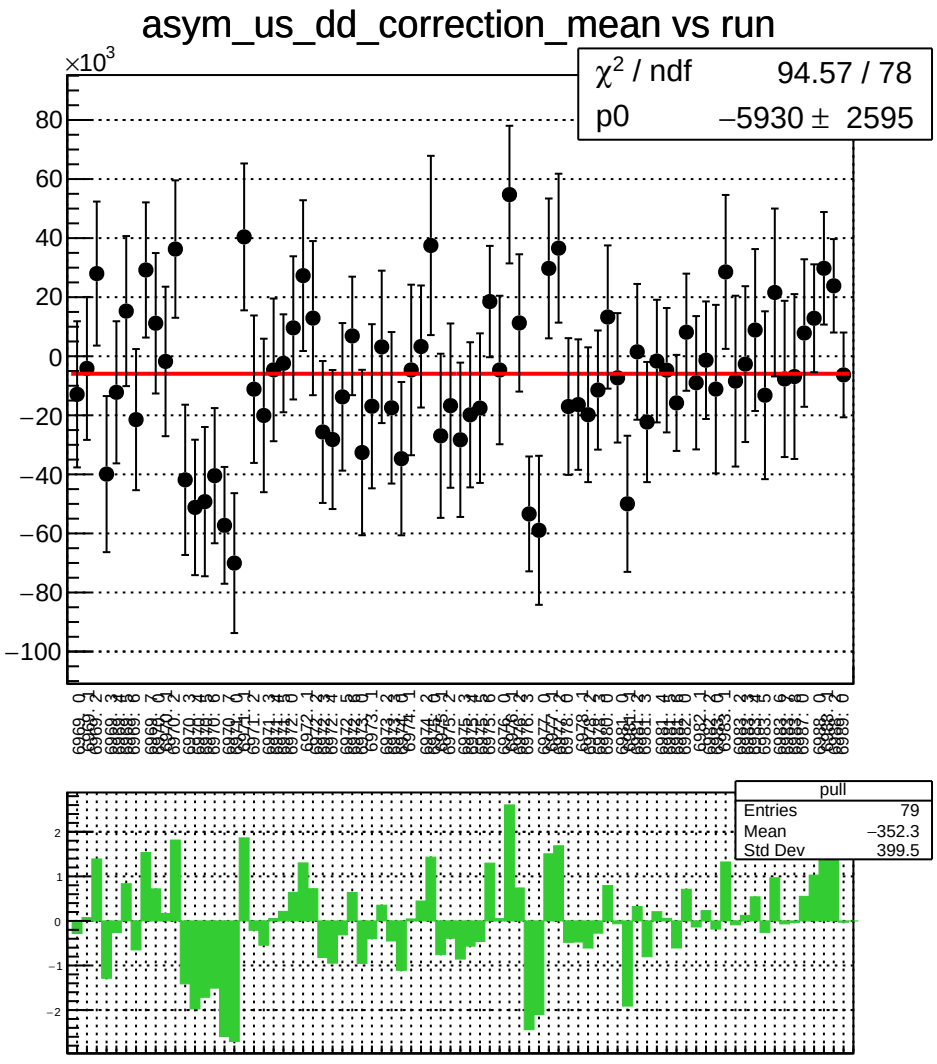

asym_us_avg_correction_rms vs run
χ^2 / ndf 1.618e+04 / 73
p0 2057 ± 1.718
2500
2000
1500
1000
500
0

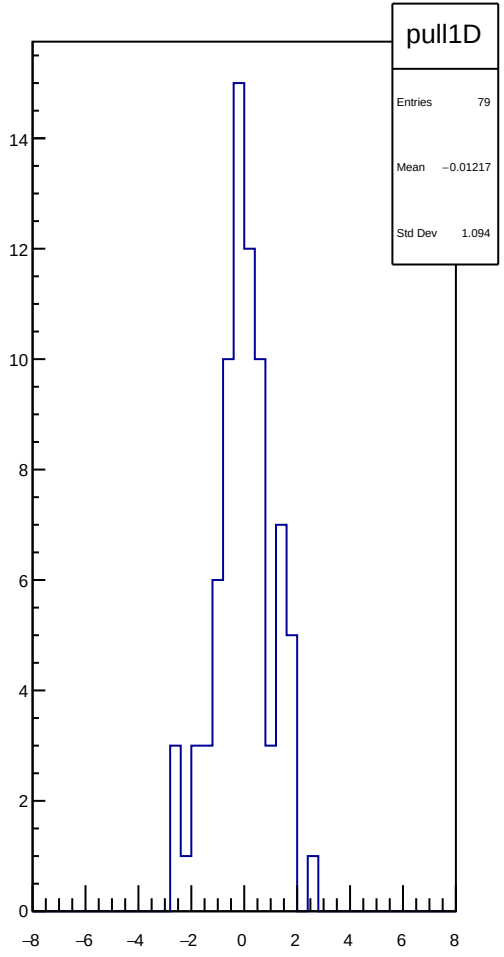

asym_us_avg_mean vs run
χ² / ndf 90.32 / 78
p0 5385 ± 2400
pull
Entries 79
Mean −177.5
Std Dev 232.3
pull1D
Entries 79
Mean 0.01196
Std Dev 1.069

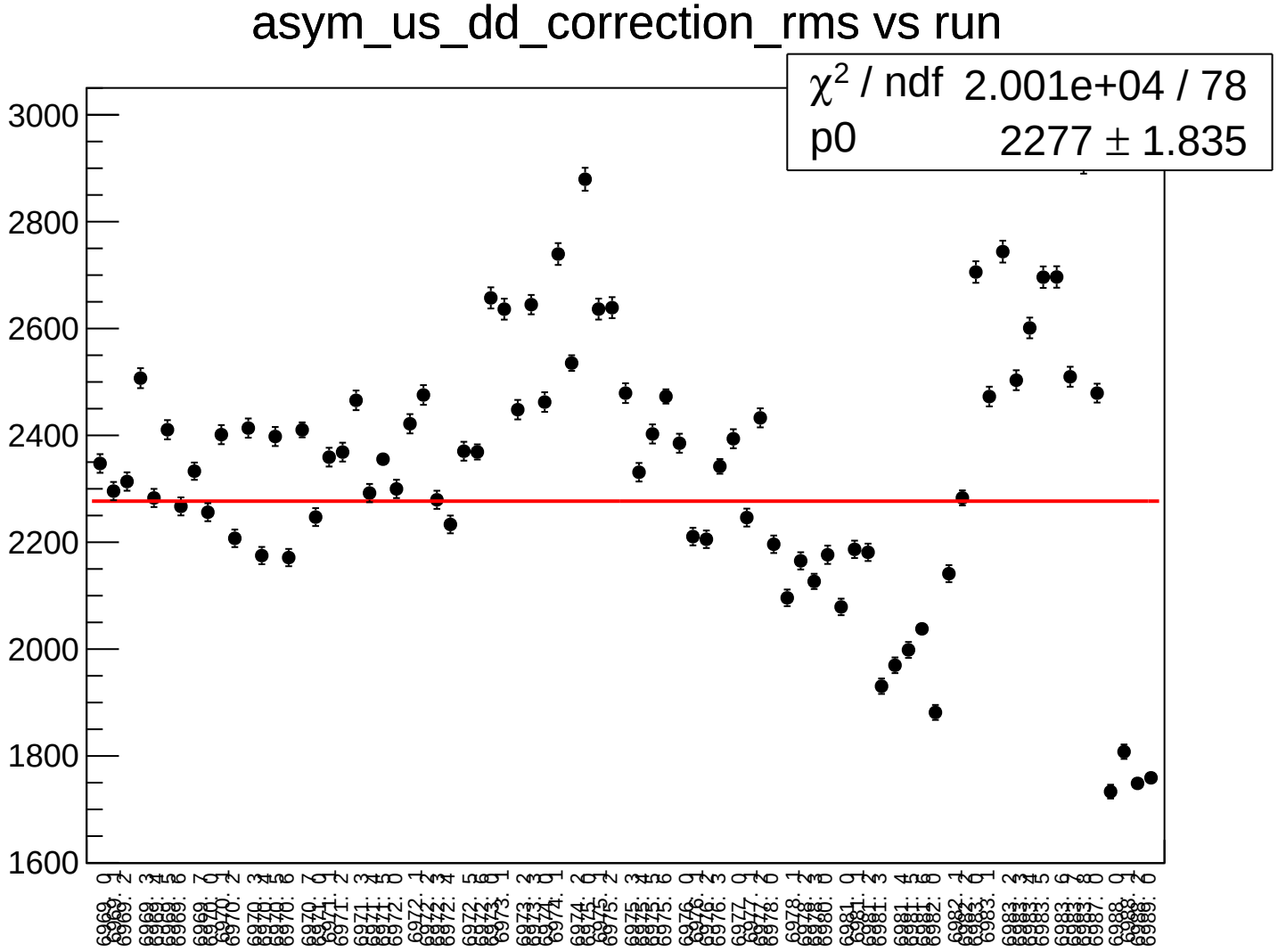

asym_us_avg_rms vs run
χ² / ndf 3.623e+04 / 78
p0 2095 ± 1.697
2800
2600
2400
2200
2000
1800
1600
1400

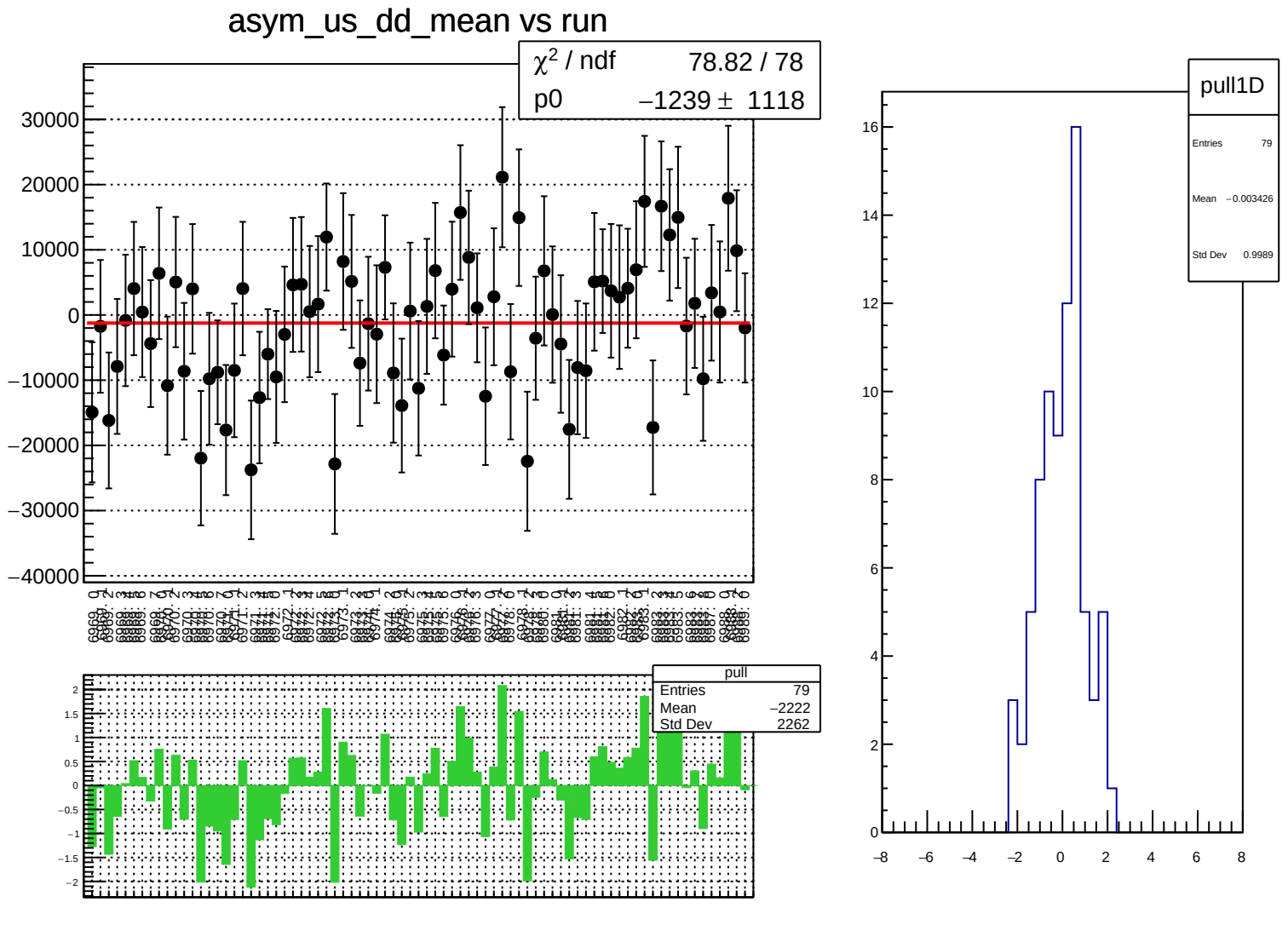

dit_asym_us_dd_mean vs run
χ² / ndf 83.39 / 78
p0 −805.6 ± 897.8
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 79
Mean 1114
Std Dev 1075
2
1
0
−1
−2
pull1D
Entries 79
Mean 0.006021
Std Dev 1.027
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

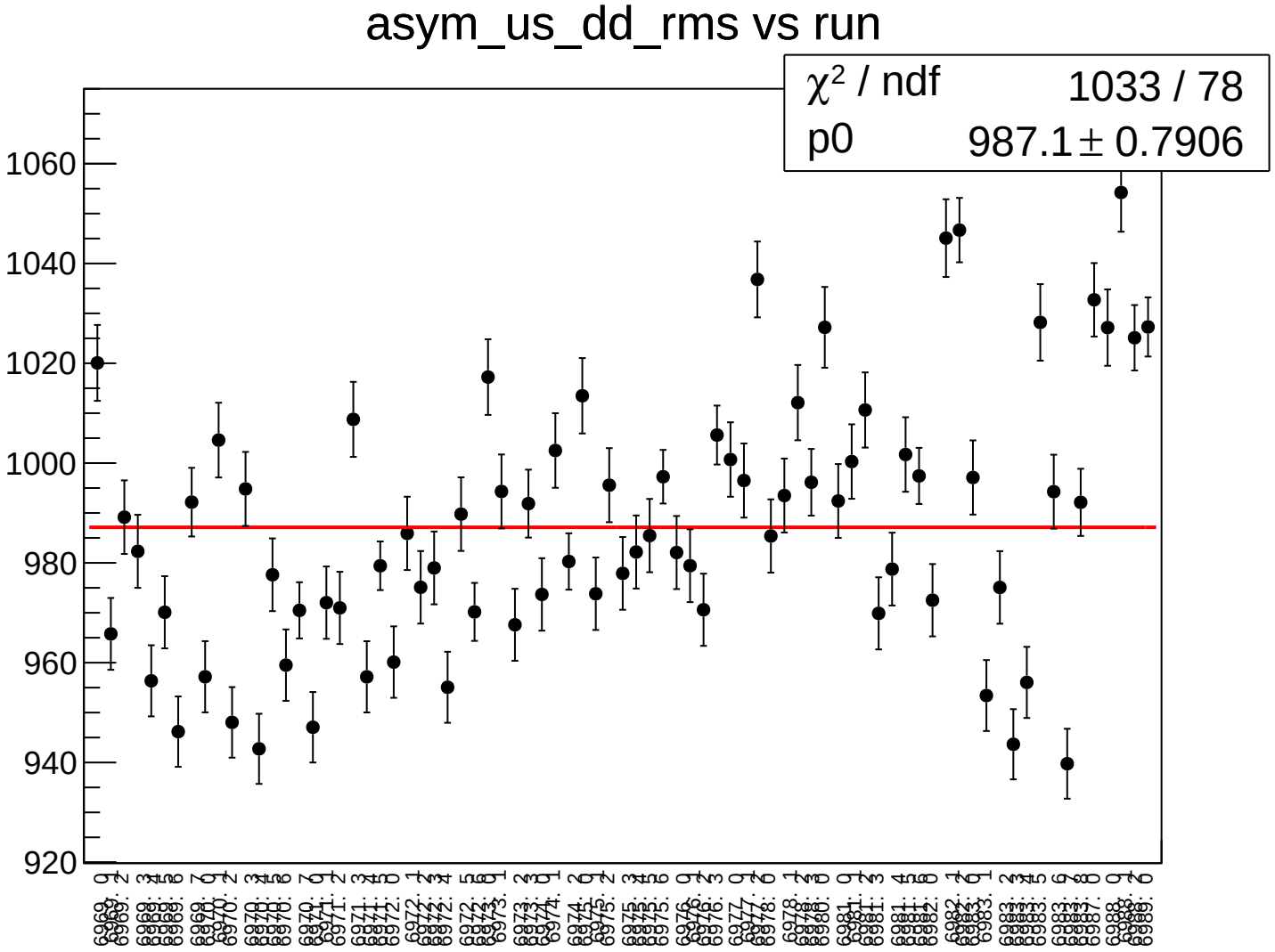

dit_asym_us_dd_rms vs run
χ^2 / ndf 6353 / 78
p0 791.3 ± 0.6349
1050
1000
950
900
850
800
750

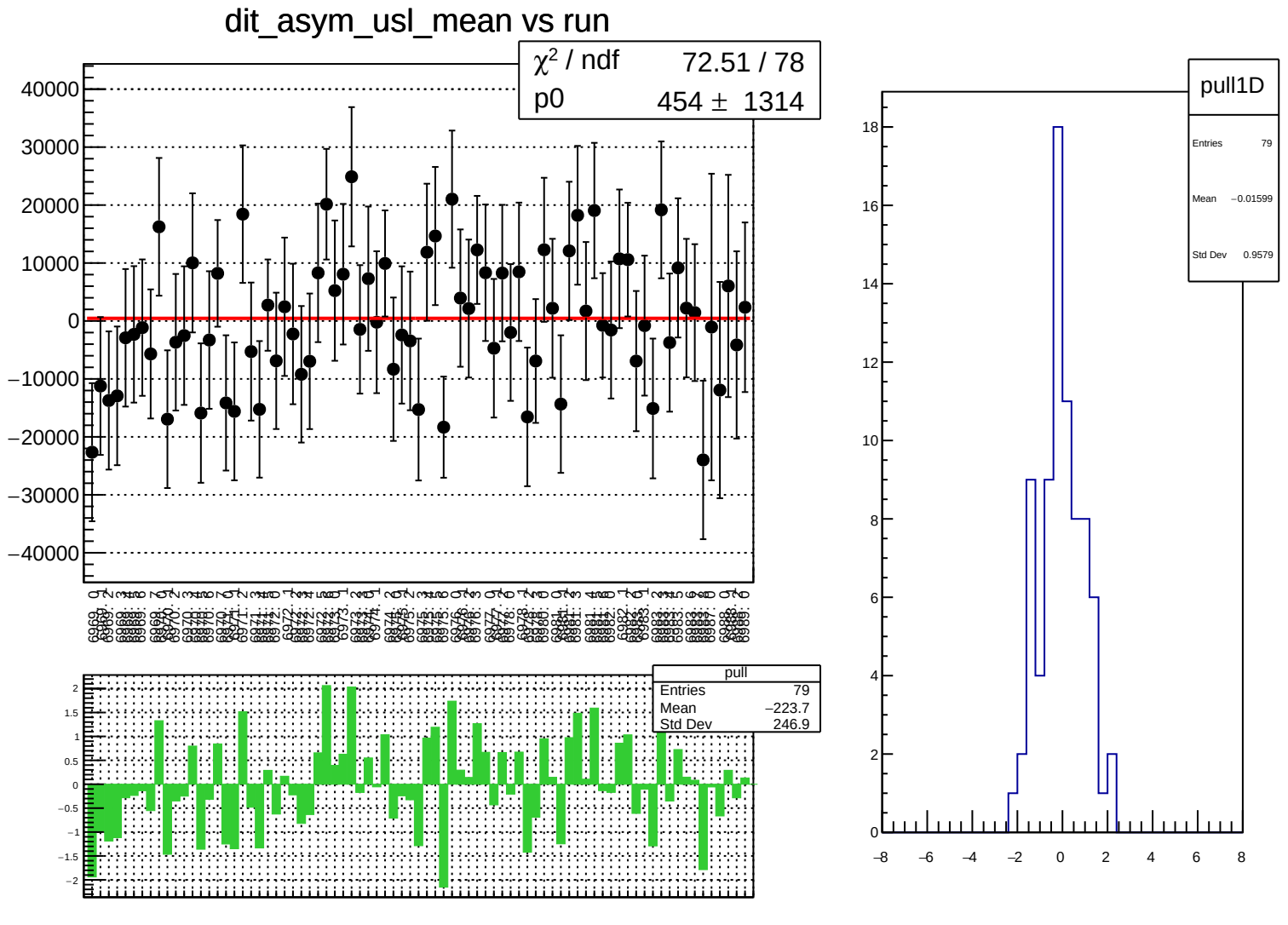

asym_us_dd_correction_mean vs run
×10^3
χ² / ndf 94.57 / 78
p0 −5930 ± 2595
pull
Entries 79
Mean −352.3
Std Dev 399.5

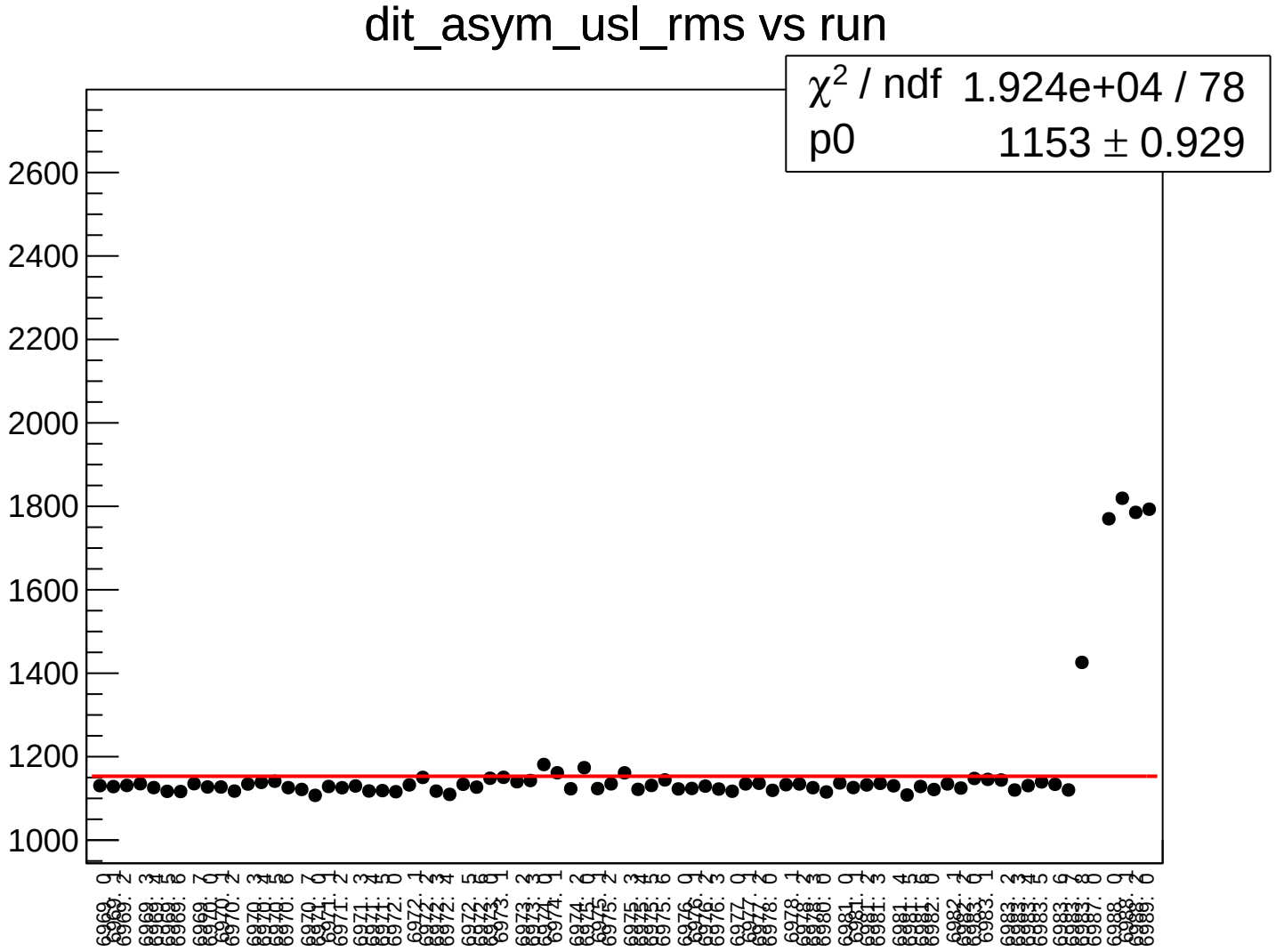

pull1D
Entries 79
Mean −0.01217
Std Dev 1.094

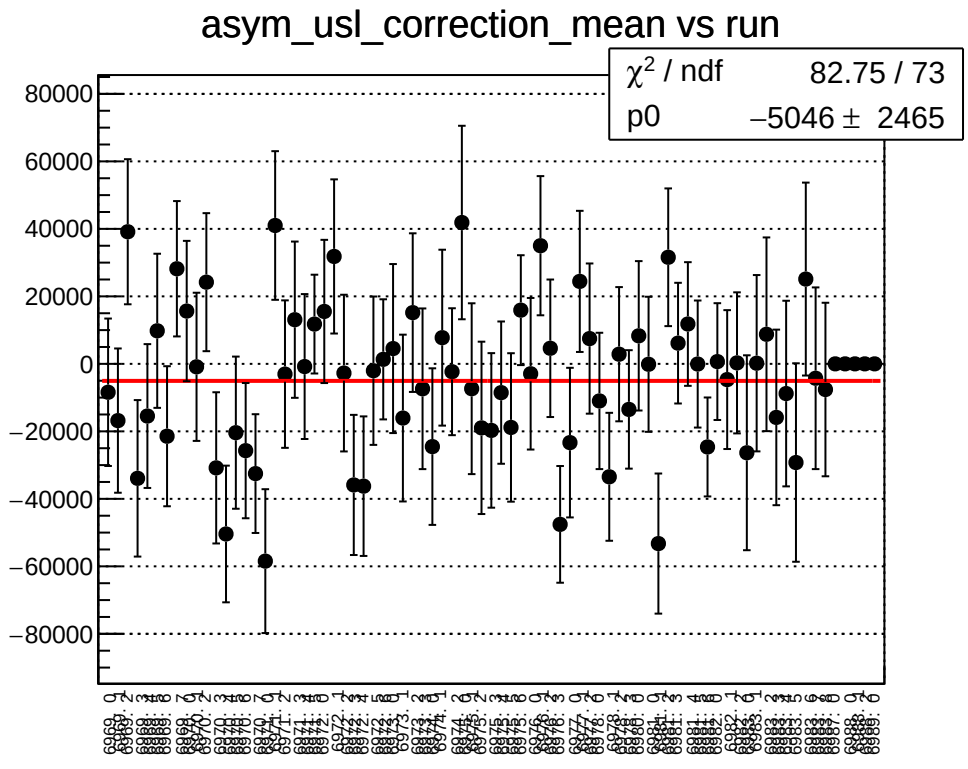

asym_us_dd_correction_rms vs run
χ^2 / ndf 2.001e+04 / 78
p0 2277 ± 1.835
3000
2800
2600
2400
2200
2000
1800
1600

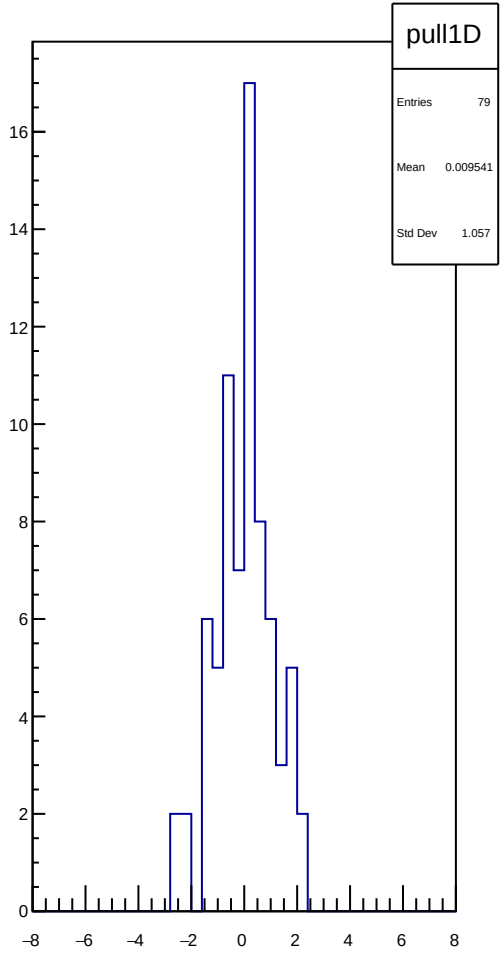

asym_us_dd_mean vs run
χ² / ndf 78.82 / 78
p0 −1239 ± 1118
pull
Entries 79
Mean −2222
Std Dev 2262
pull1D
Entries 79
Mean −0.003426
Std Dev 0.9989

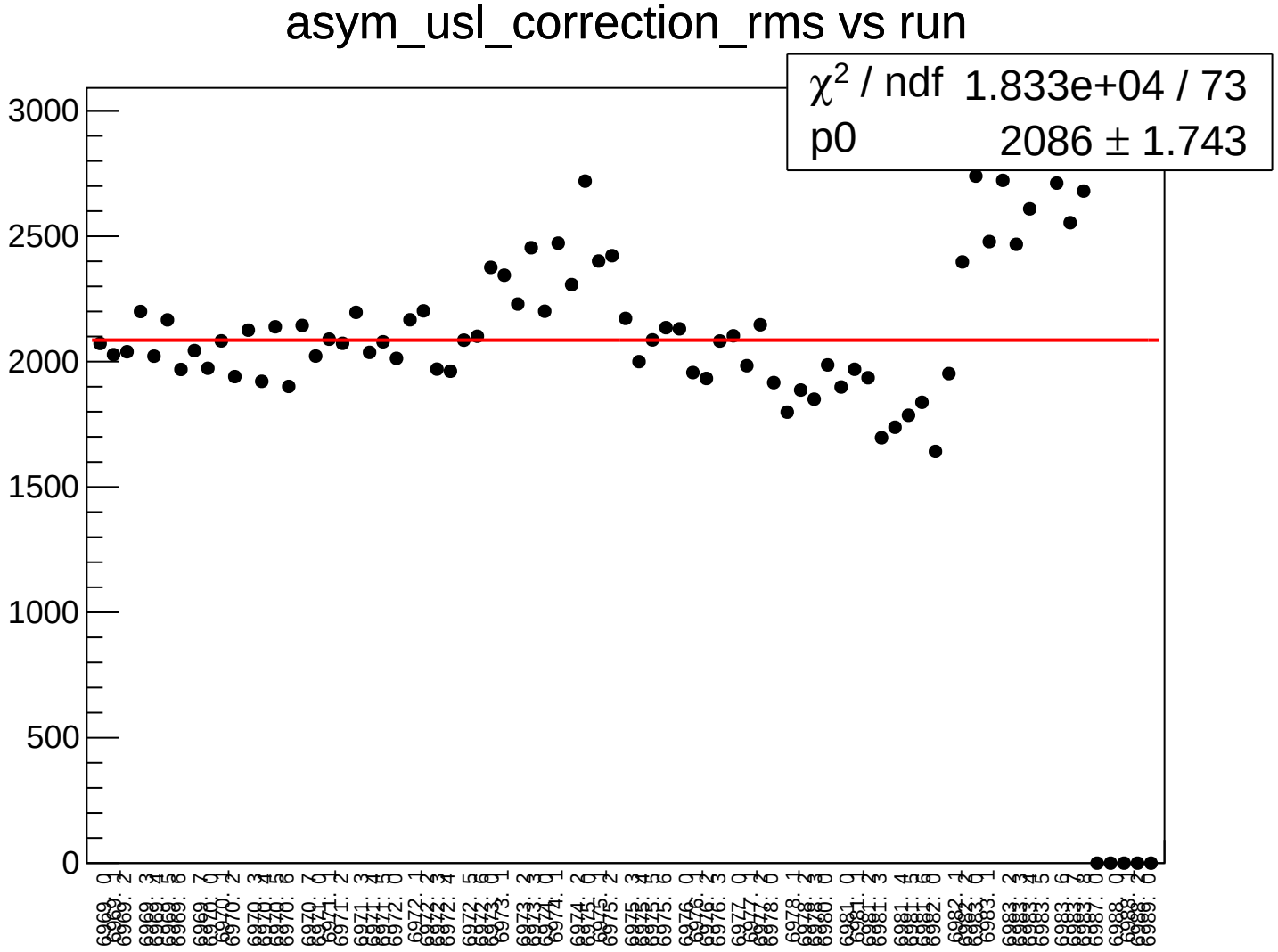

asym_us_dd_rms vs run
χ² / ndf 1033 / 78
p0 987.1 ± 0.7906
1060
1040
1020
1000
980
960
940
920

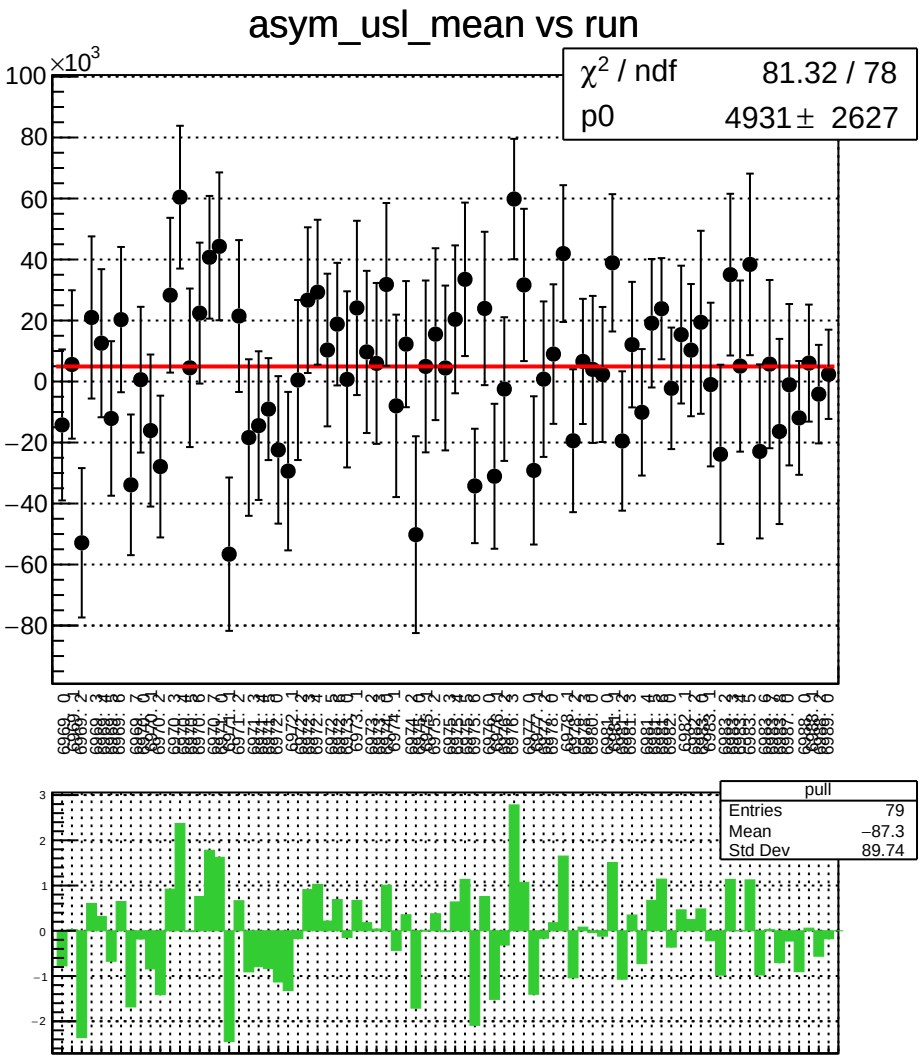

dit_asym_usl_mean vs run
χ² / ndf 72.51 / 78
p0 454 ± 1314
pull
Entries 79
Mean −223.7
Std Dev 246.9
pull1D
Entries 79
Mean −0.01599
Std Dev 0.9579

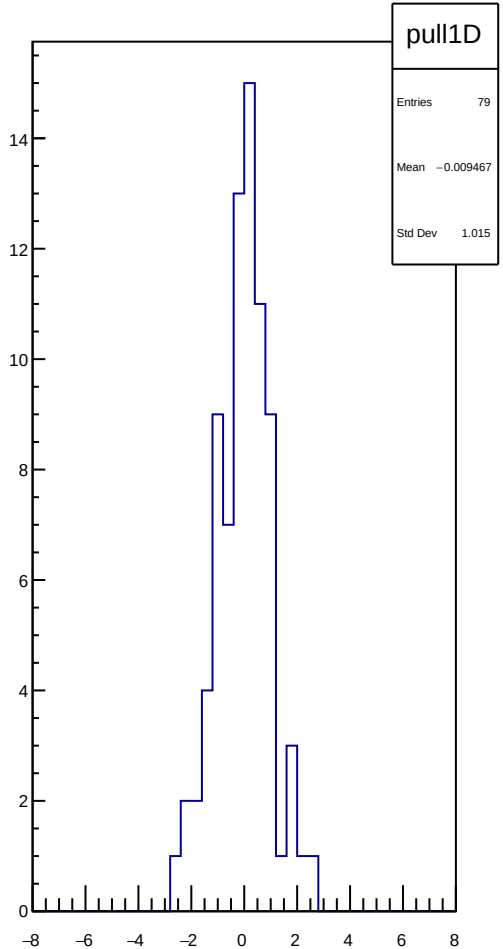

dit_asym_usl_rms vs run
χ² / ndf 1.924e+04 / 78
p0 1153 ± 0.929
2600
2400
2200
2000
1800
1600
1400
1200
1000

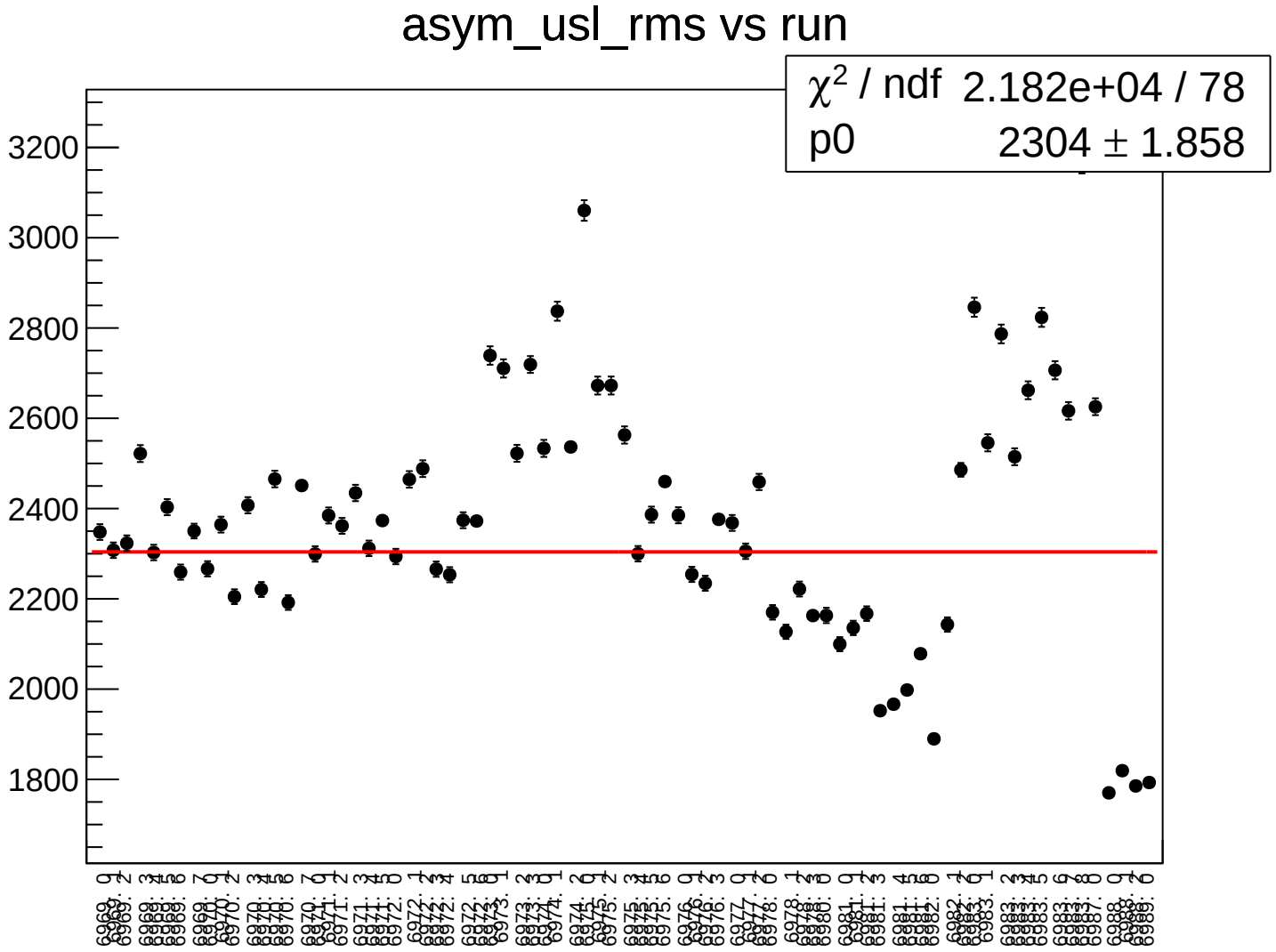

asym_usl_correction_mean vs run
χ² / ndf 82.75 / 73
p0 −5046 ± 2465
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000

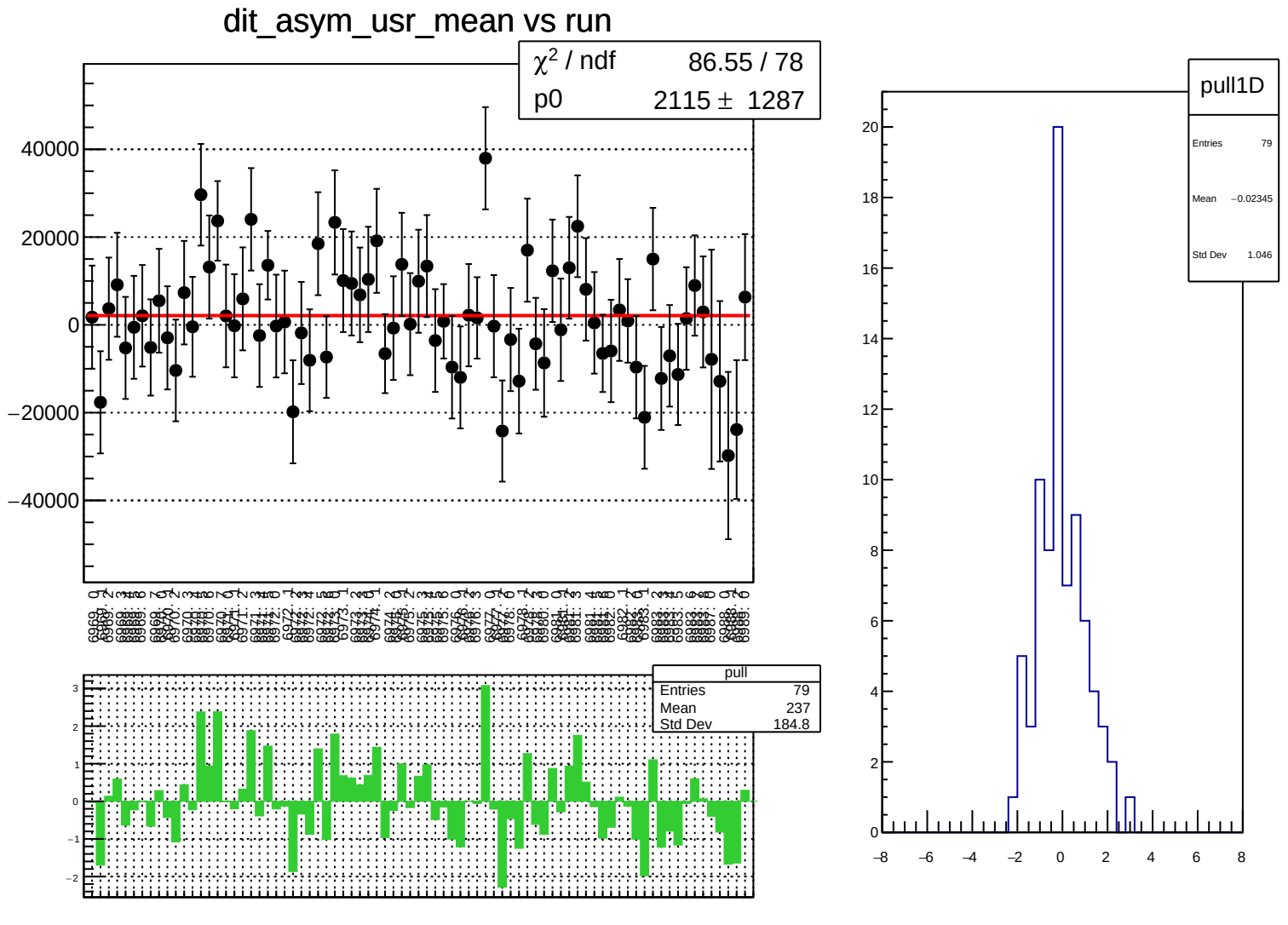

pull1D
Entries 79
Mean 0.009541
Std Dev 1.057
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

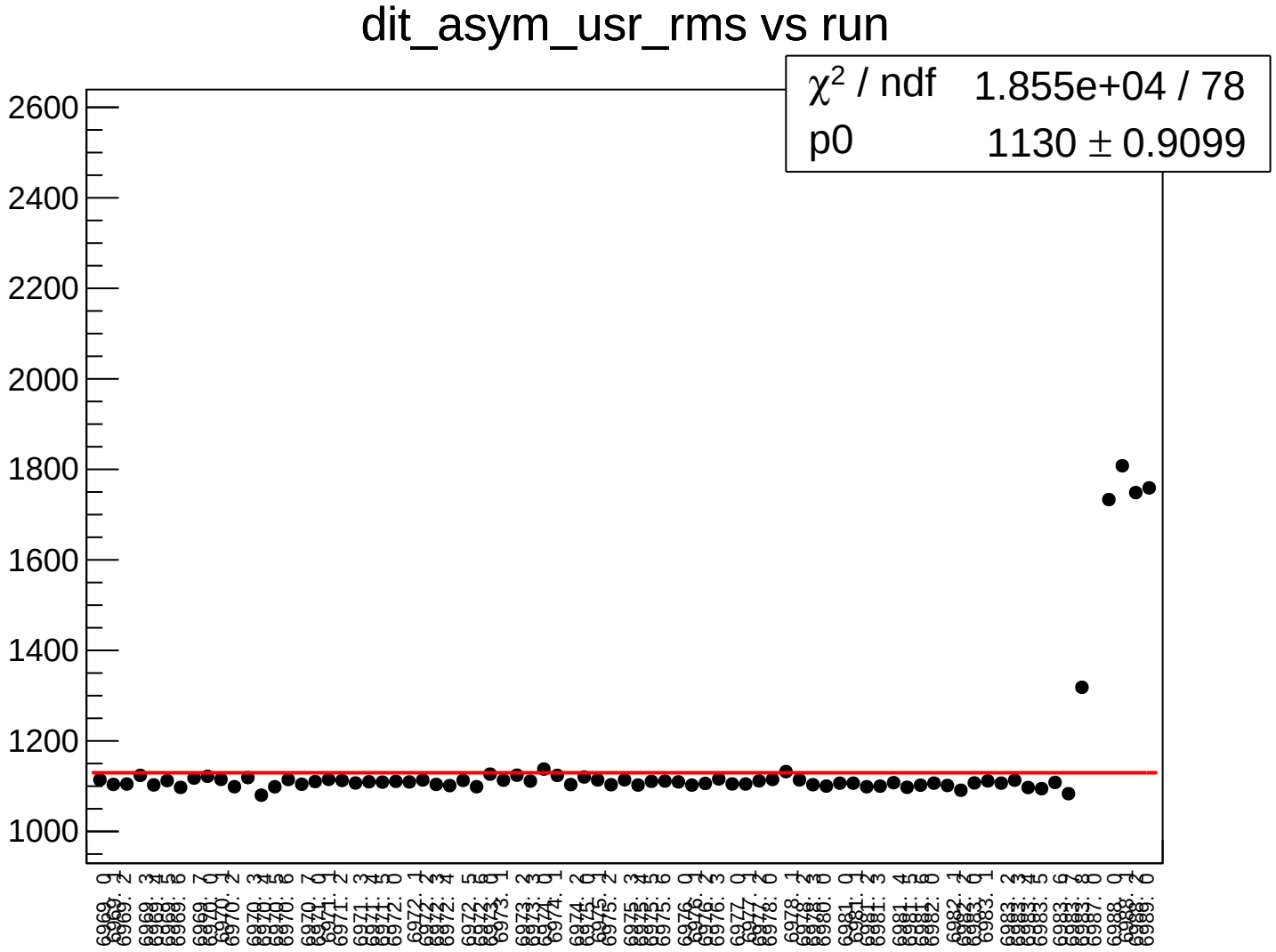

asym_usl_correction_rms vs run
χ^2 / ndf 1.833e+04 / 73
p0 2086 ± 1.743
3000
2500
2000
1500
1000
500
0

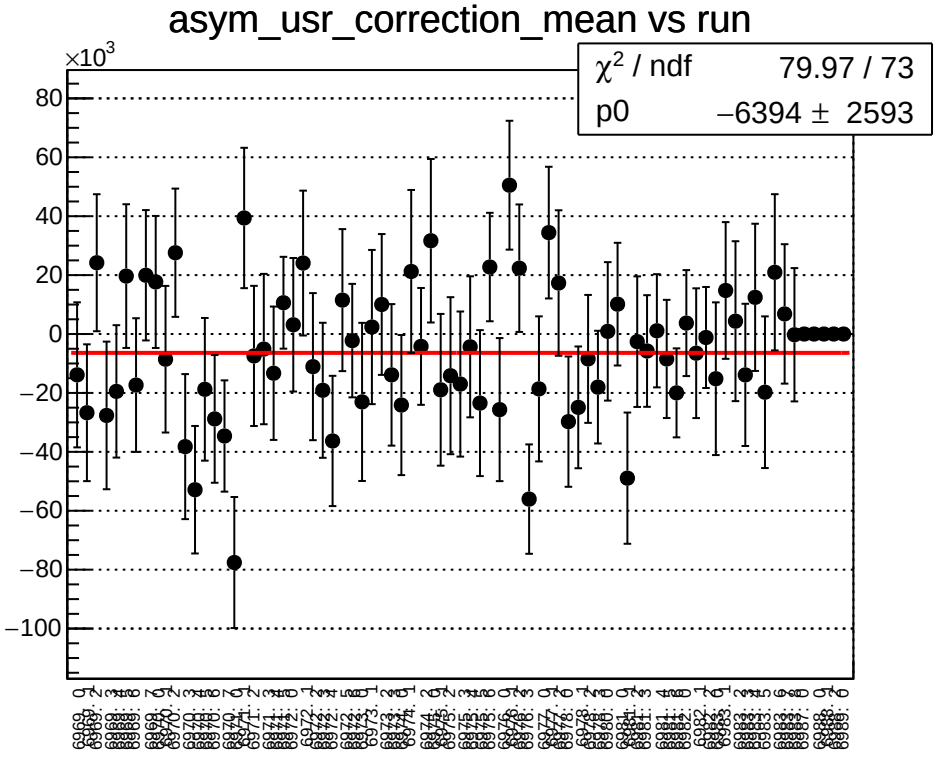

asym_usl_mean vs run
χ^2 / ndf 81.32 / 78
p0 4931 ± 2627
×10^3
pull
Entries 79
Mean −87.3
Std Dev 89.74

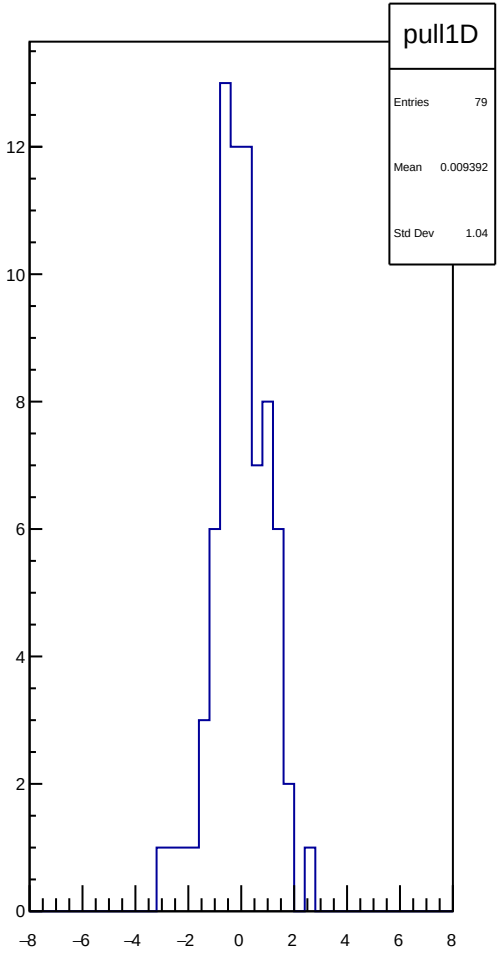

pull1D
Entries 79
Mean −0.009467
Std Dev 1.015

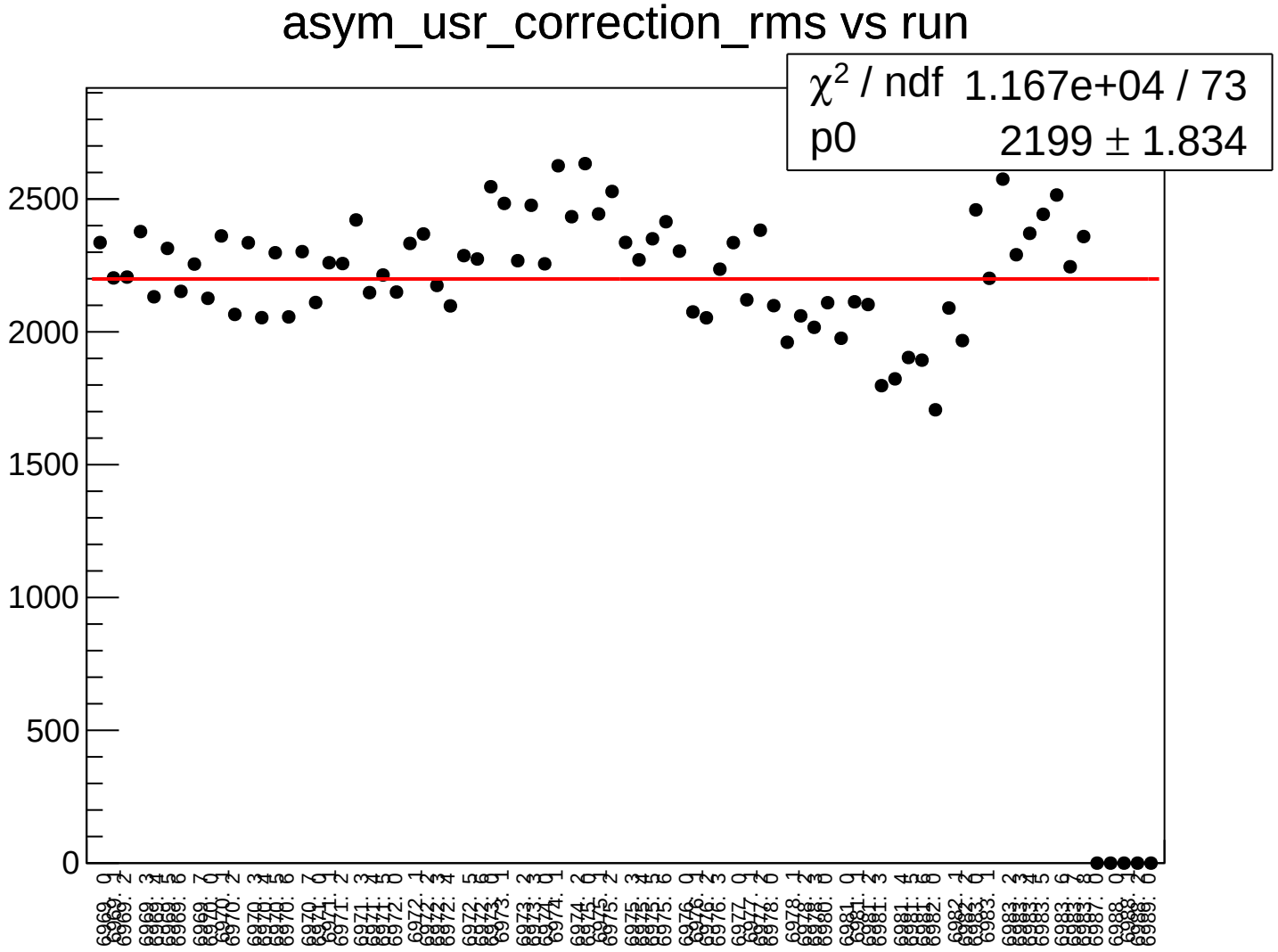

asym_usl_rms vs run
χ2 / ndf 2.182e+04 / 78
p0 2304 ± 1.858
3200
3000
2800
2600
2400
2200
2000
1800

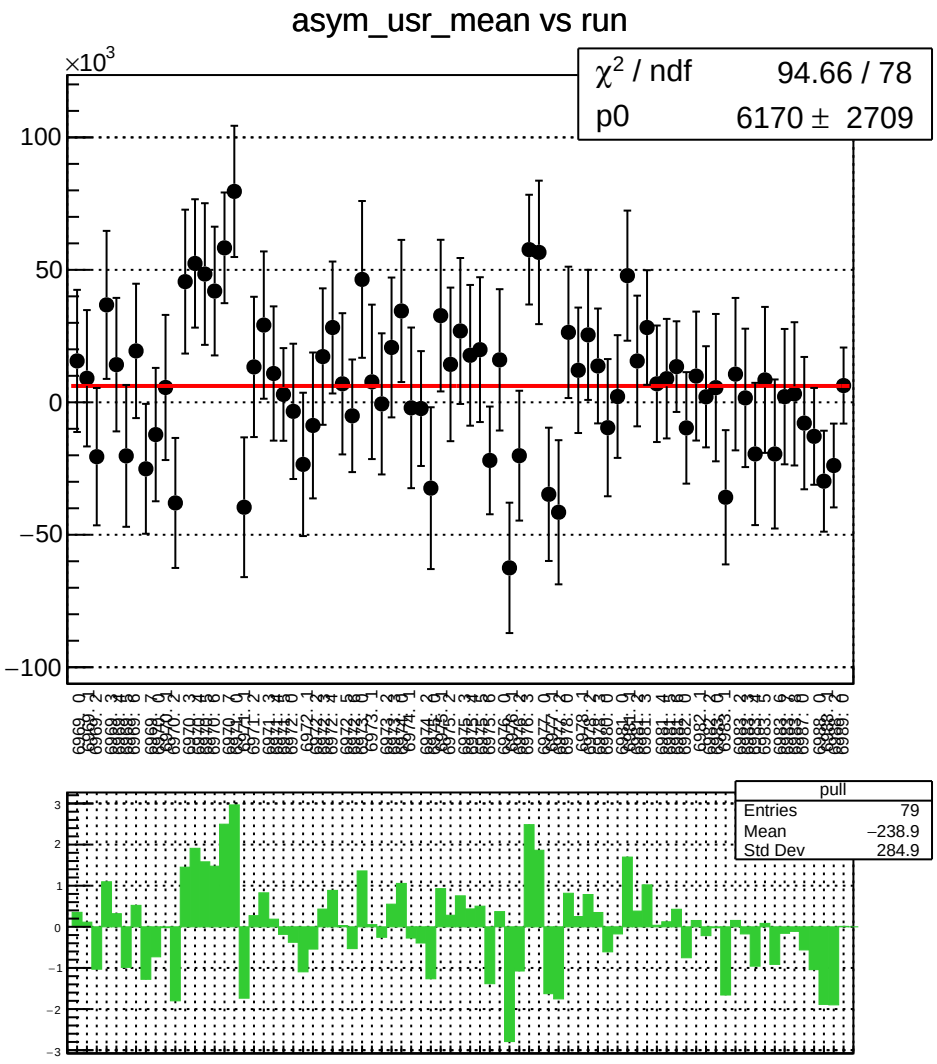

dit_asym_usr_mean vs run
χ² / ndf 86.55 / 78
p0 2115 ± 1287
40000
20000
0
−20000
−40000
pull
Entries 79
Mean 237
Std Dev 184.8
pull1D
Entries 79
Mean −0.02345
Std Dev 1.046

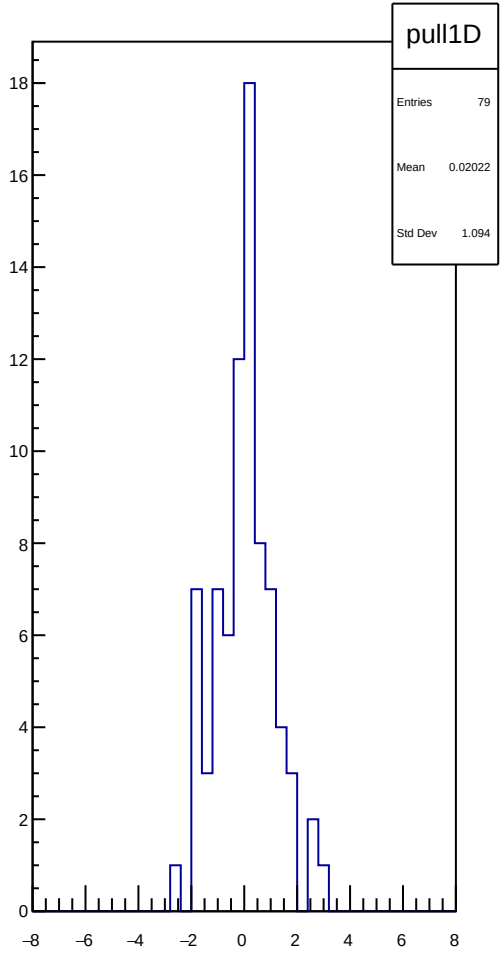

dit_asym_usr_rms vs run
χ² / ndf 1.855e+04 / 78
p0 1130 ± 0.9099
2600
2400
2200
2000
1800
1600
1400
1200
1000

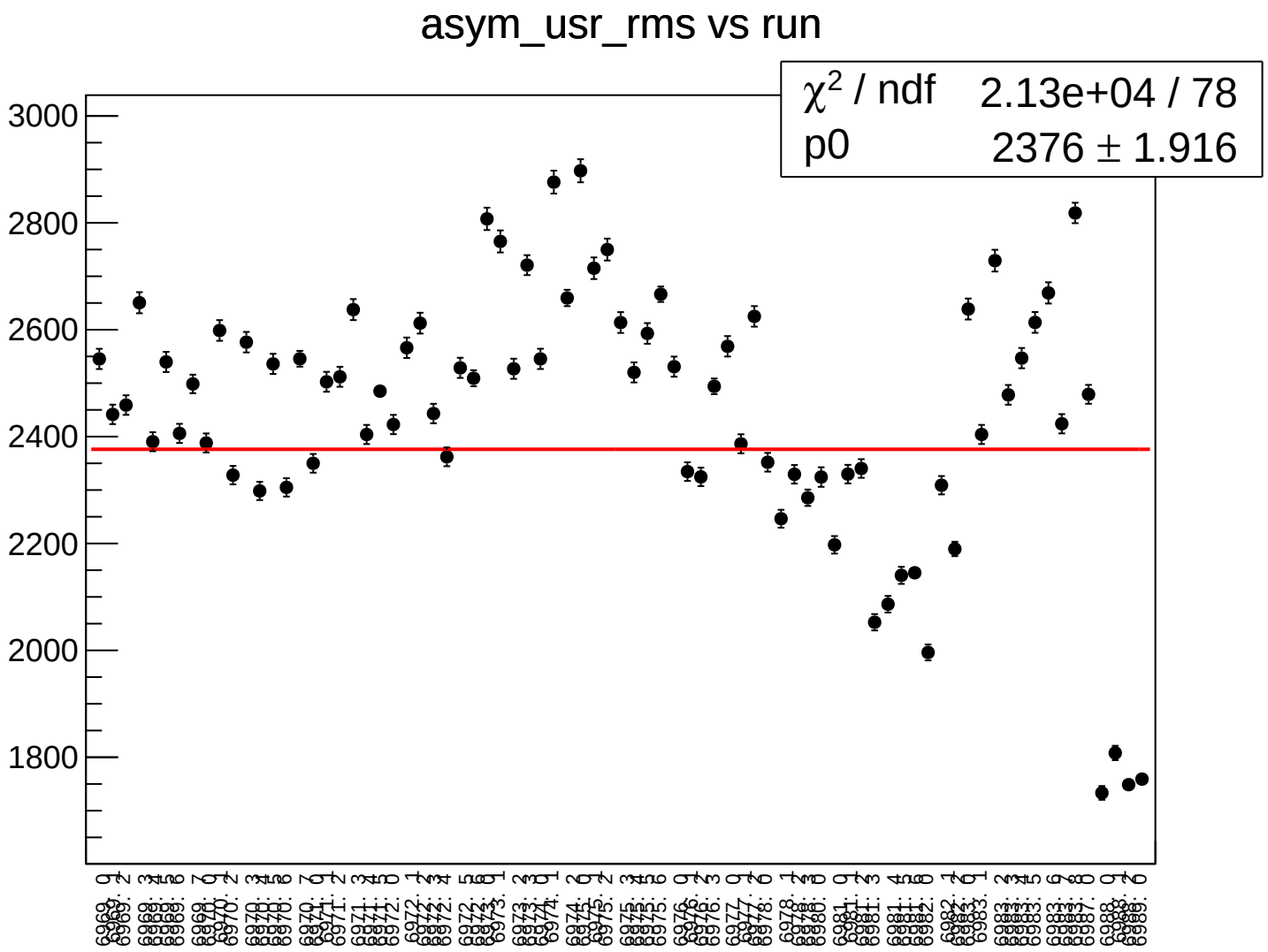

asym_usr_correction_mean vs run
×10^3
χ^2 / ndf 79.97 / 73
p0 −6394 ± 2593
80
60
40
20
0
−20
−40
−60
−80
−100

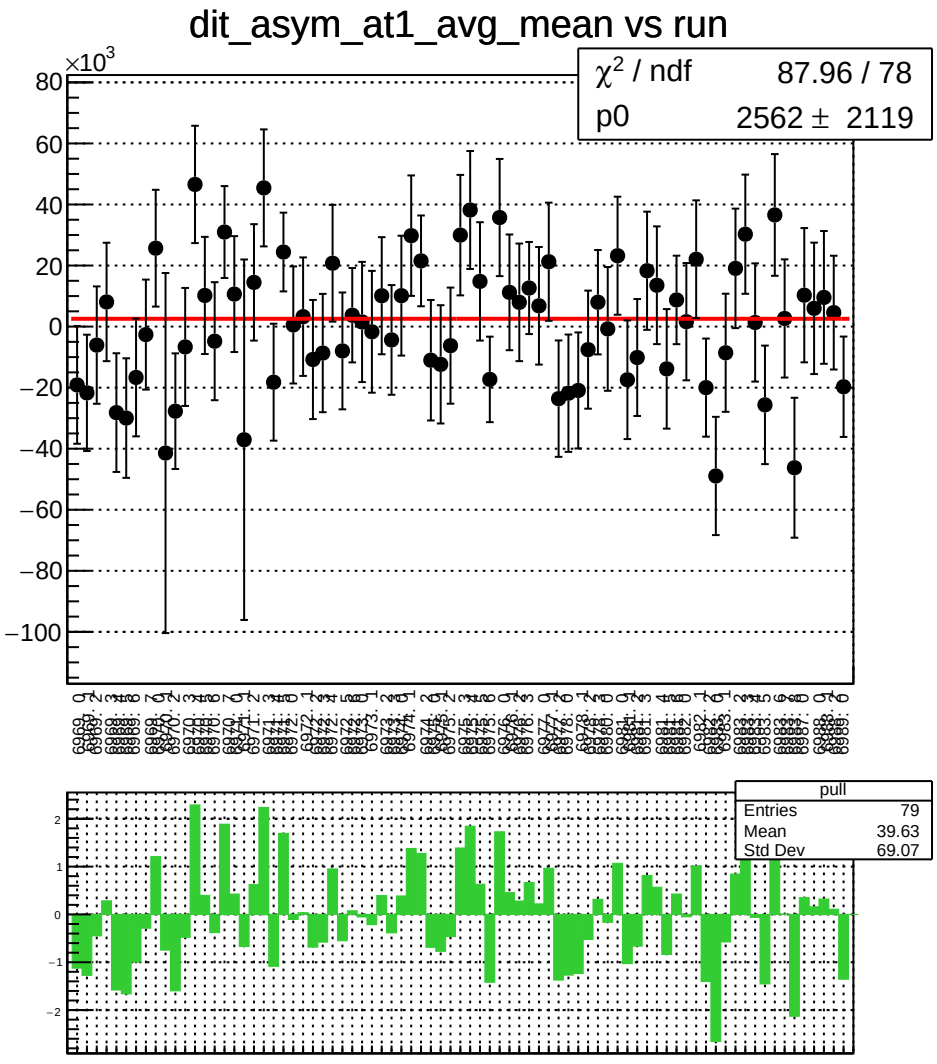

pull1D
Entries 79
Mean 0.009392
Std Dev 1.04
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

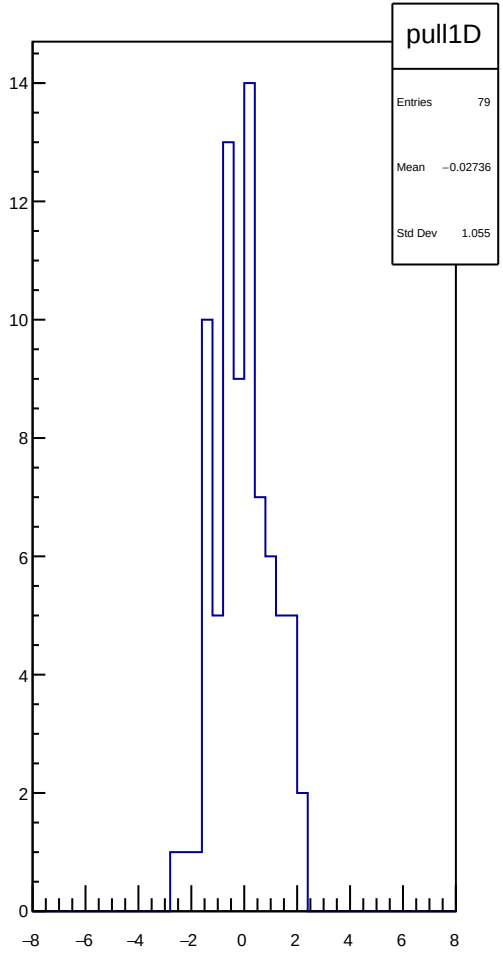

asym_usr_correction_rms vs run
χ^2 / ndf 1.167e+04 / 73
p0 2199 ± 1.834
2500
2000
1500
1000
500
0

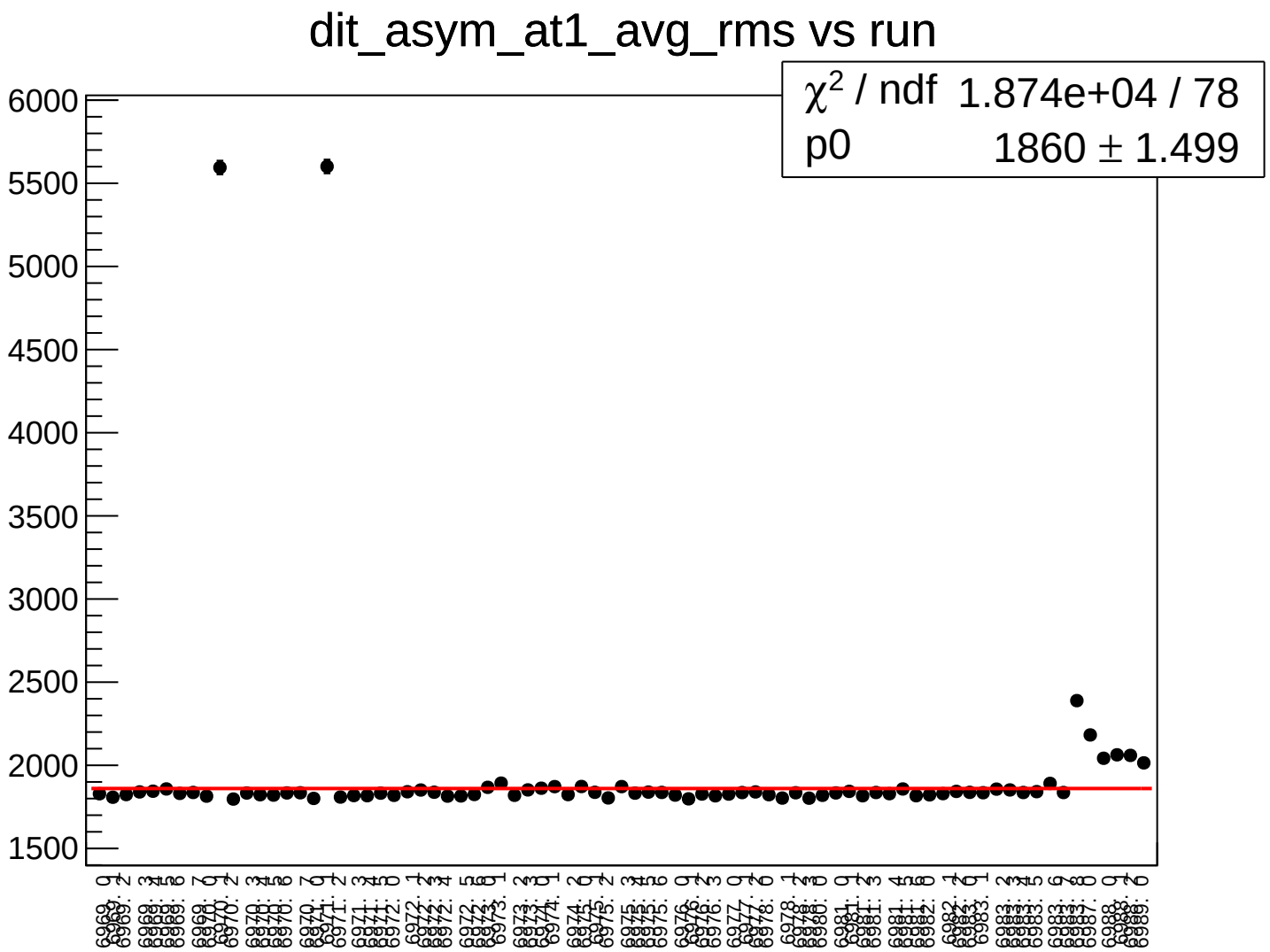

asym_usr_mean vs run
χ^2 / ndf 94.66 / 78
p0 6170 ± 2709
×10^3
100
50
0
−50
−100
pull
Entries 79
Mean −238.9
Std Dev 284.9
3
2
1
0
−1
−2
−3

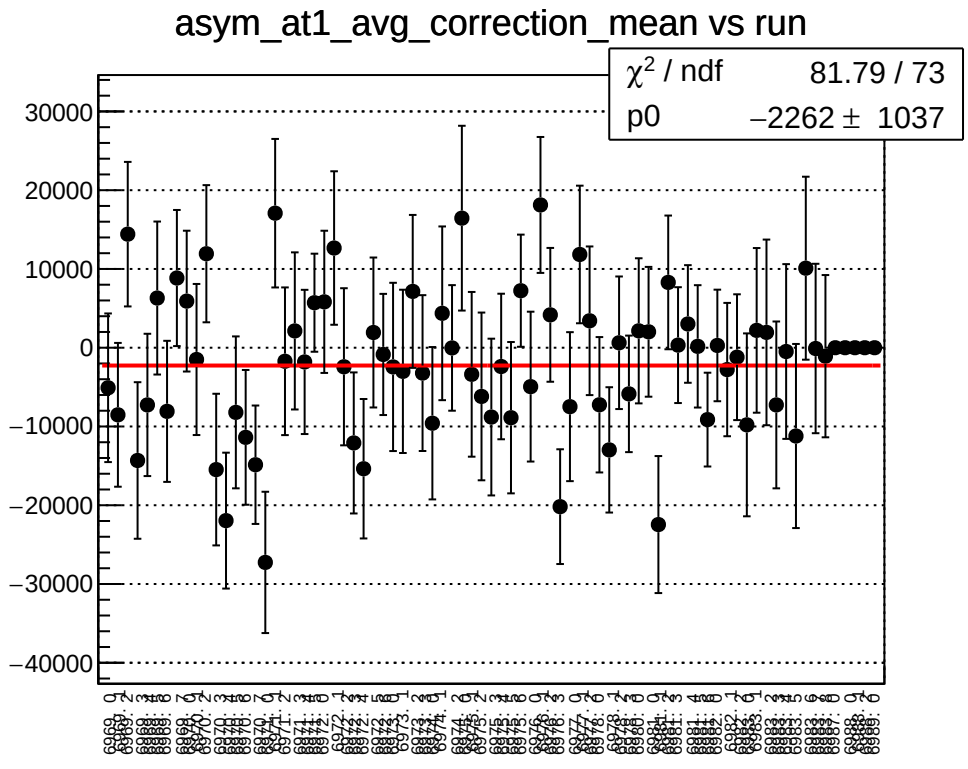

pull1D
Entries 79
Mean 0.02022
Std Dev 1.094
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

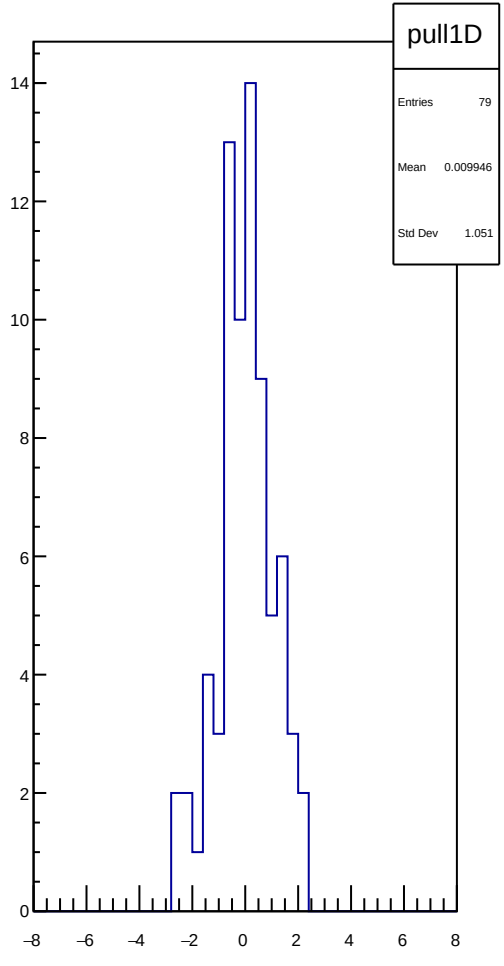

asym_usr_rms vs run
χ² / ndf 2.13e+04 / 78
p0 2376 ± 1.916
3000
2800
2600
2400
2200
2000
1800

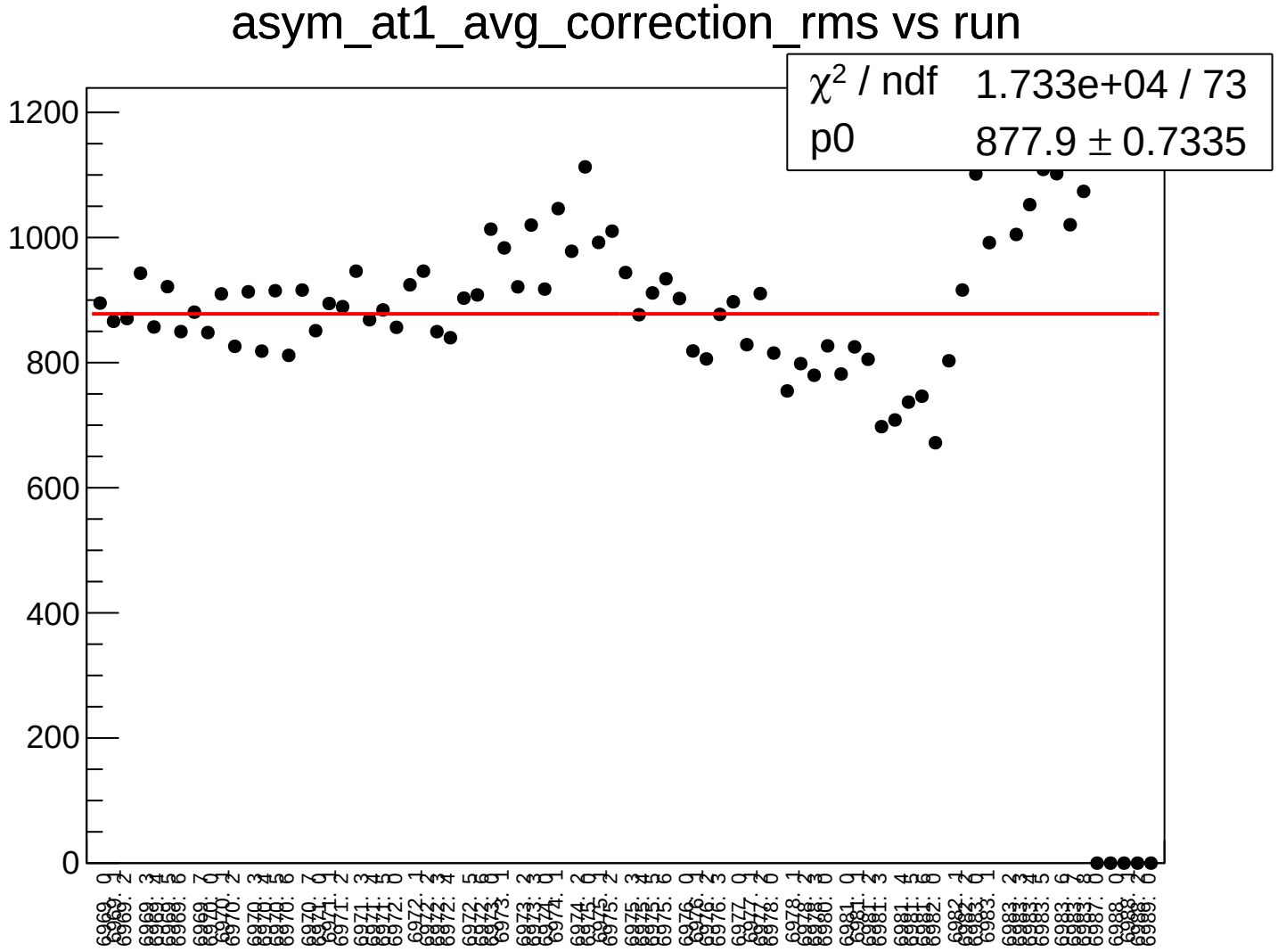

dit_asym_at1_avg_mean vs run
χ^2 / ndf 87.96 / 78
p0 2562 ± 2119
×10^3
pull
Entries 79
Mean 39.63
Std Dev 69.07

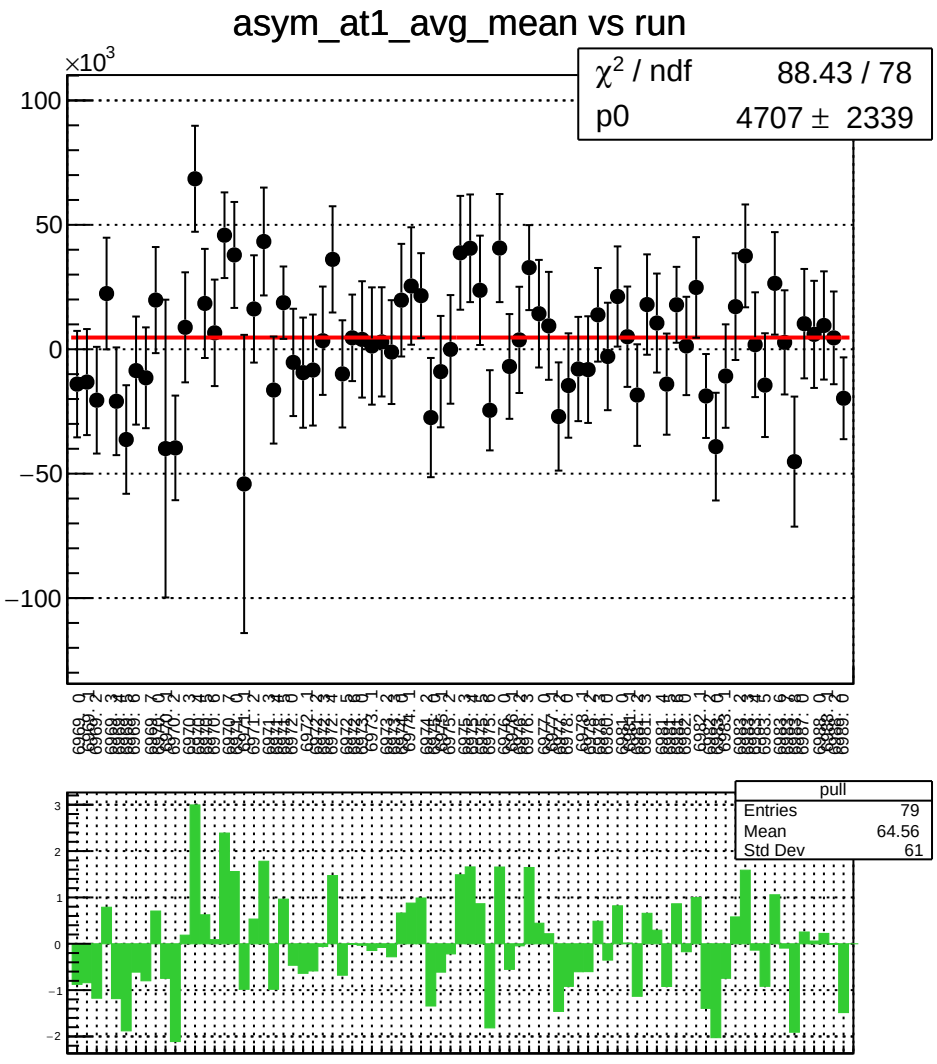

pull1D
Entries 79
Mean −0.02736
Std Dev 1.055

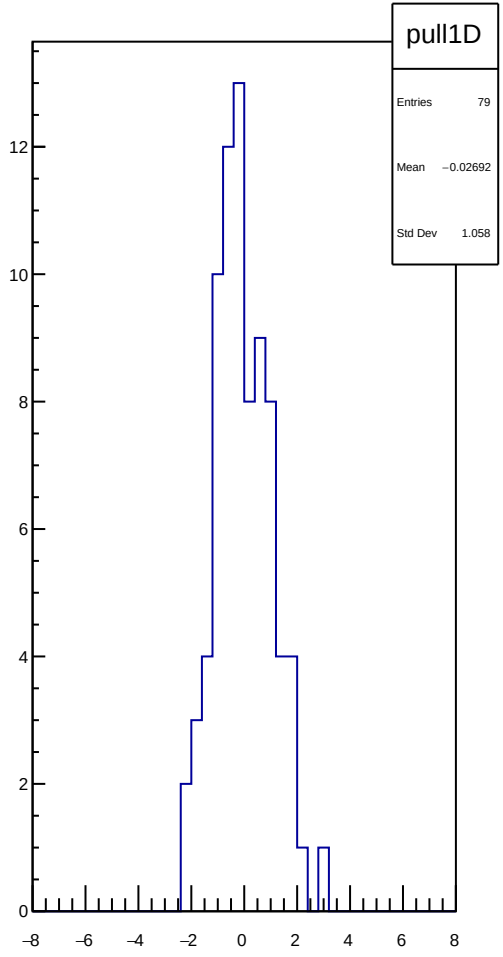

dit_asym_at1_avg_rms vs run
χ2 / ndf 1.874e+04 / 78
p0 1860 ± 1.499
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

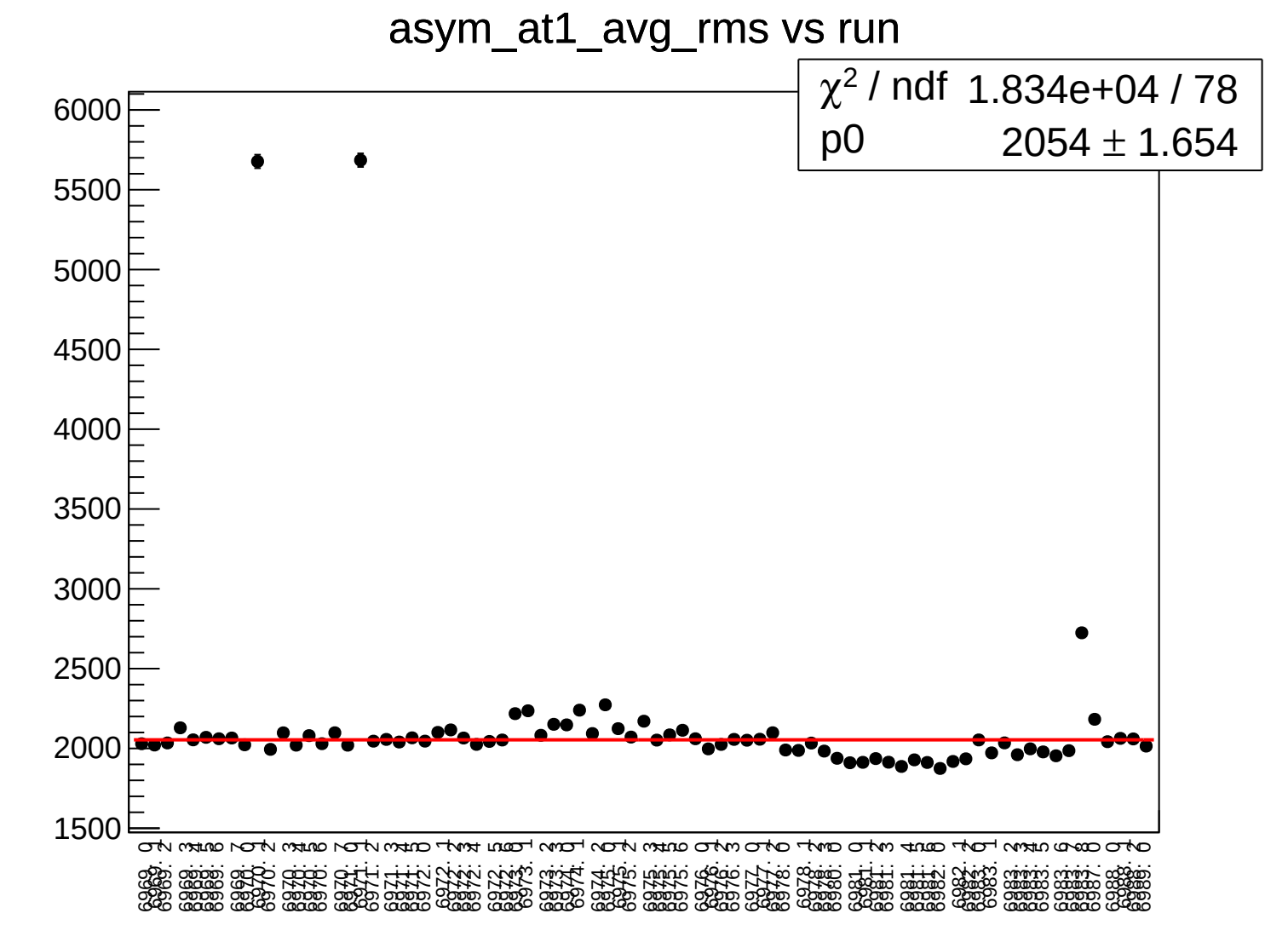

asym_at1_avg_correction_mean vs run
χ^2 / ndf 81.79 / 73
p0 −2262 ± 1037
30000
20000
10000
0
−10000
−20000
−30000
−40000

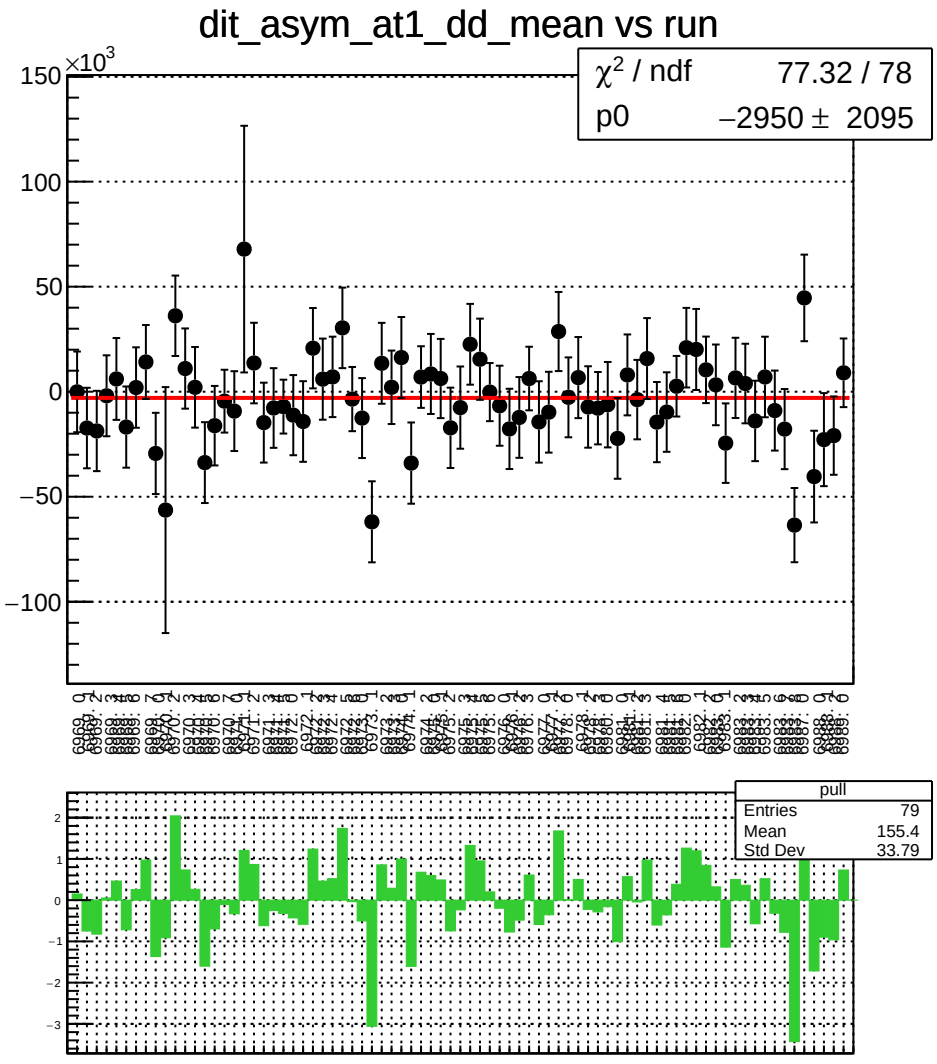

pull1D
Entries 79
Mean 0.009946
Std Dev 1.051
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

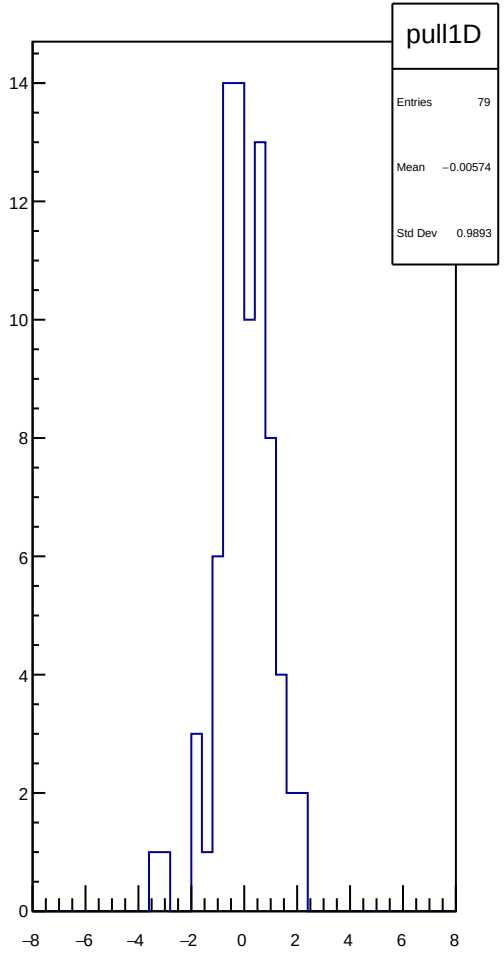

asym_at1_avg_correction_rms vs run
χ² / ndf 1.733e+04 / 73
p0 877.9 ± 0.7335
1200
1000
800
600
400
200
0

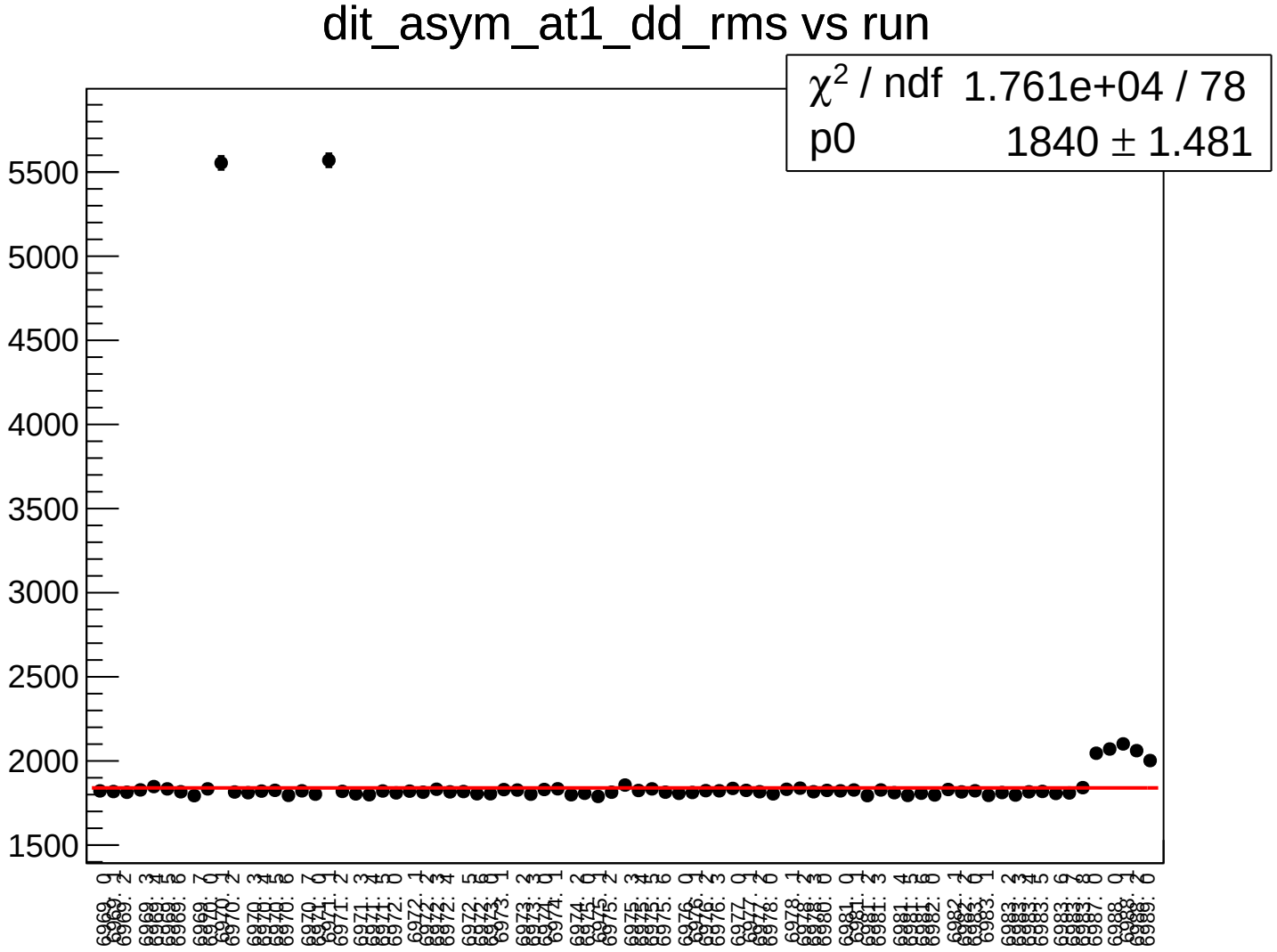

asym_at1_avg_mean vs run
×10^3
χ² / ndf 88.43 / 78
p0 4707 ± 2339
pull
Entries 79
Mean 64.56
Std Dev 61

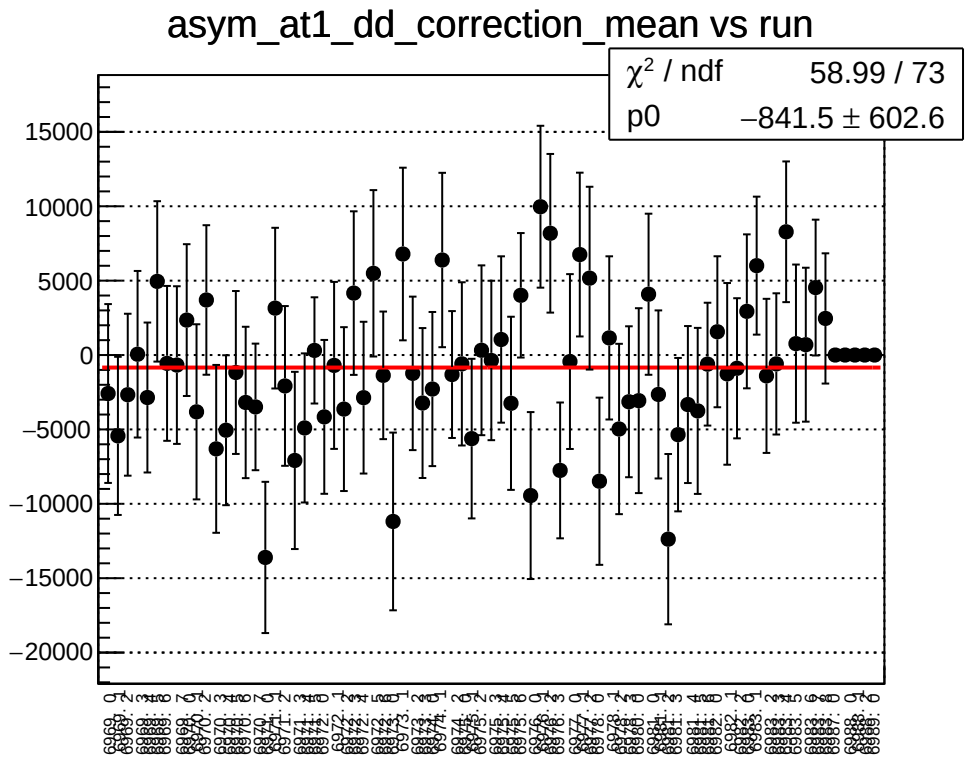

pull1D
Entries 79
Mean −0.02692
Std Dev 1.058

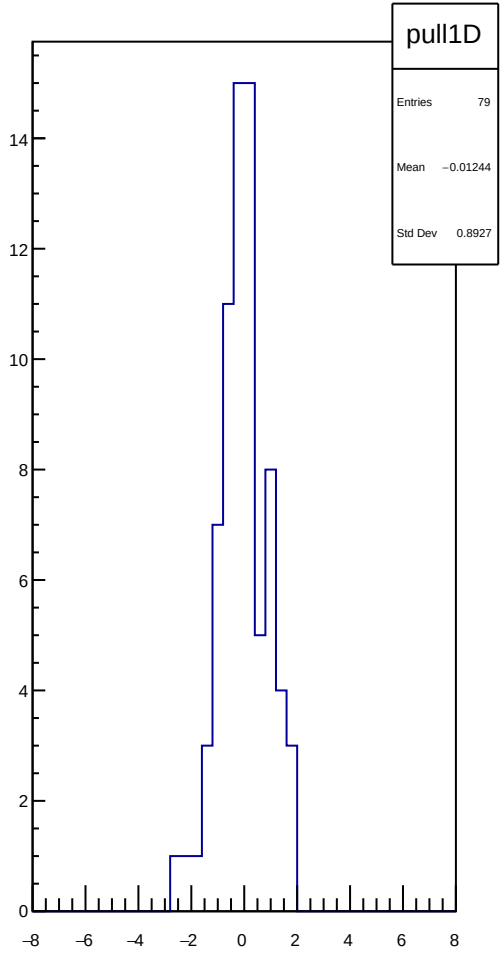

asym_at1_avg_rms vs run
χ2 / ndf 1.834e+04 / 78
p0 2054 ± 1.654
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

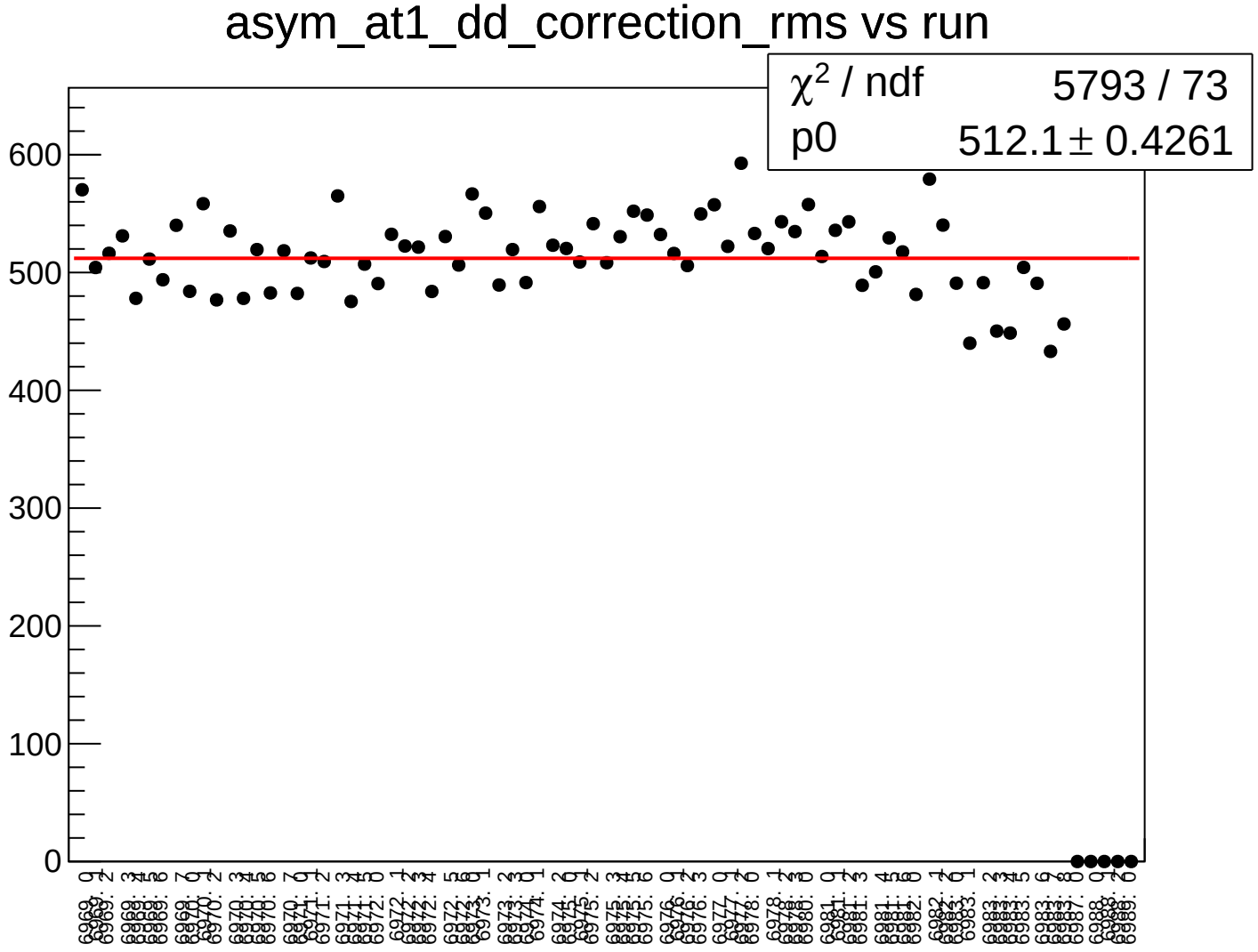

dit_asym_at1_dd_mean vs run
χ^2 / ndf 77.32 / 78
p0 −2950 ± 2095
×10^3
150
100
50
0
−50
−100
pull
Entries 79
Mean 155.4
Std Dev 33.79
2
1
0
−1
−2
−3

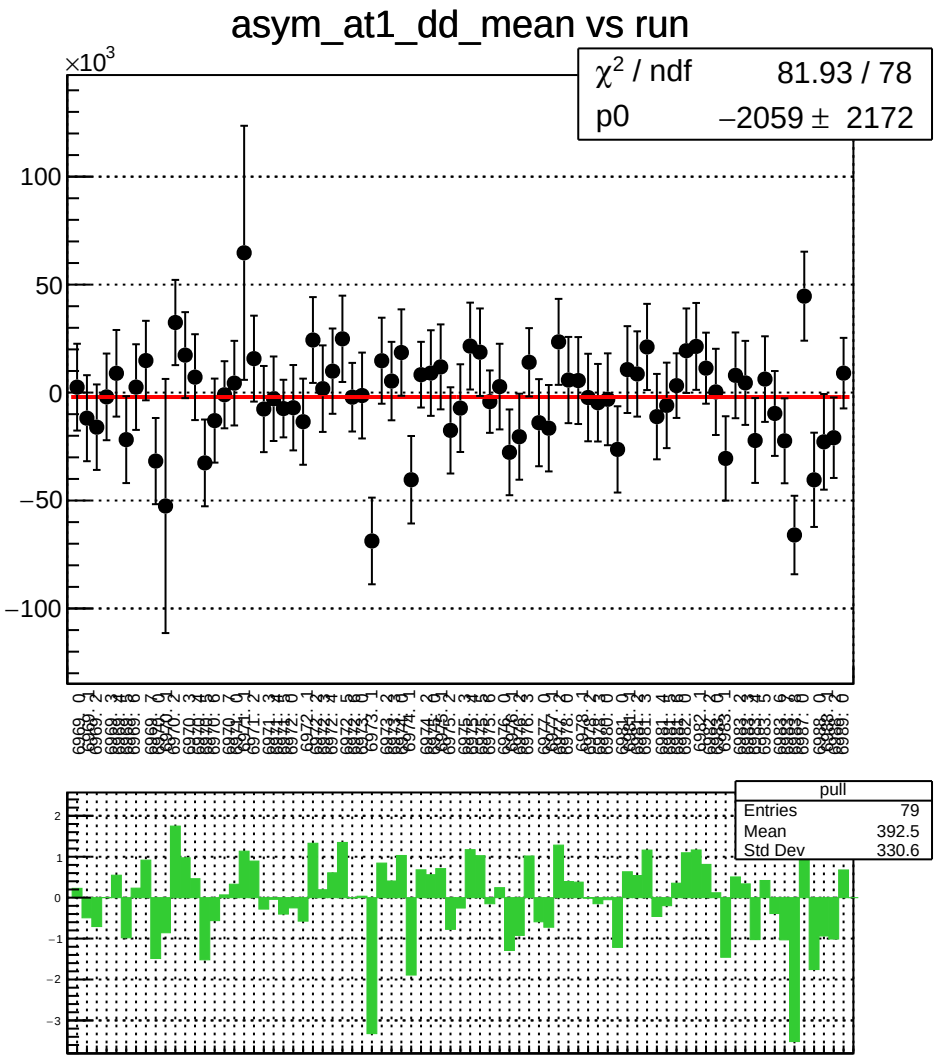

pull1D
Entries 79
Mean −0.00574
Std Dev 0.9893
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

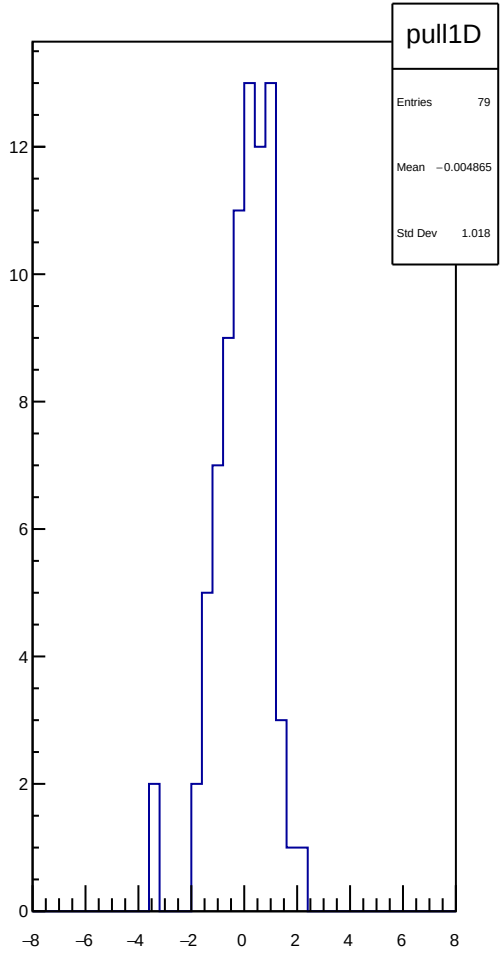

dit_asym_at1_dd_rms vs run
χ² / ndf 1.761e+04 / 78
p0 1840 ± 1.481
5500
5000
4500
4000
3500
3000
2500
2000
1500


asym_at1_dd_correction_mean vs run
χ^2 / ndf 58.99 / 73
p0 −841.5 ± 602.6
15000
10000
5000
0
−5000
−10000
−15000
−20000

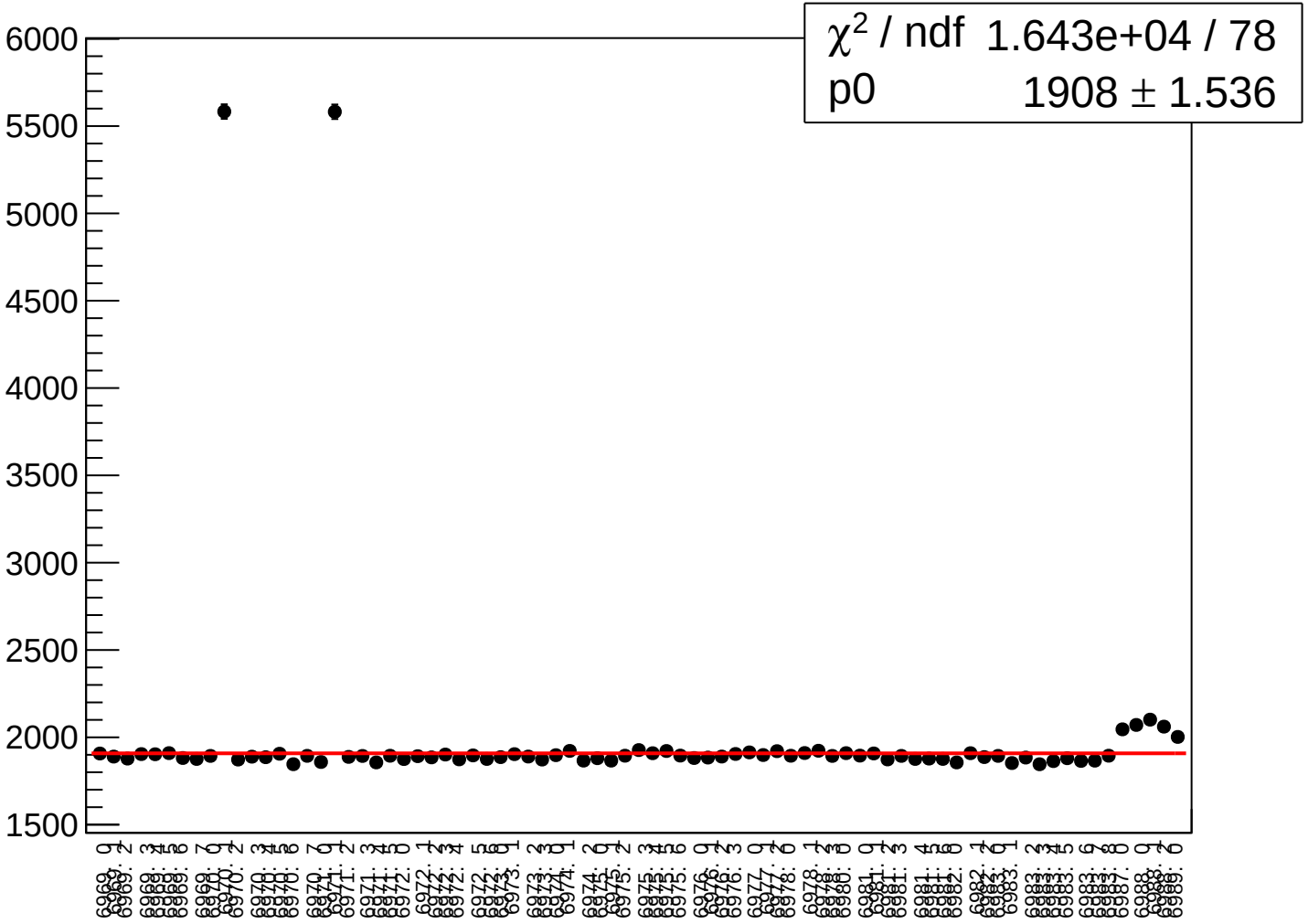

pull1D
Entries 79
Mean −0.01244
Std Dev 0.8927
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

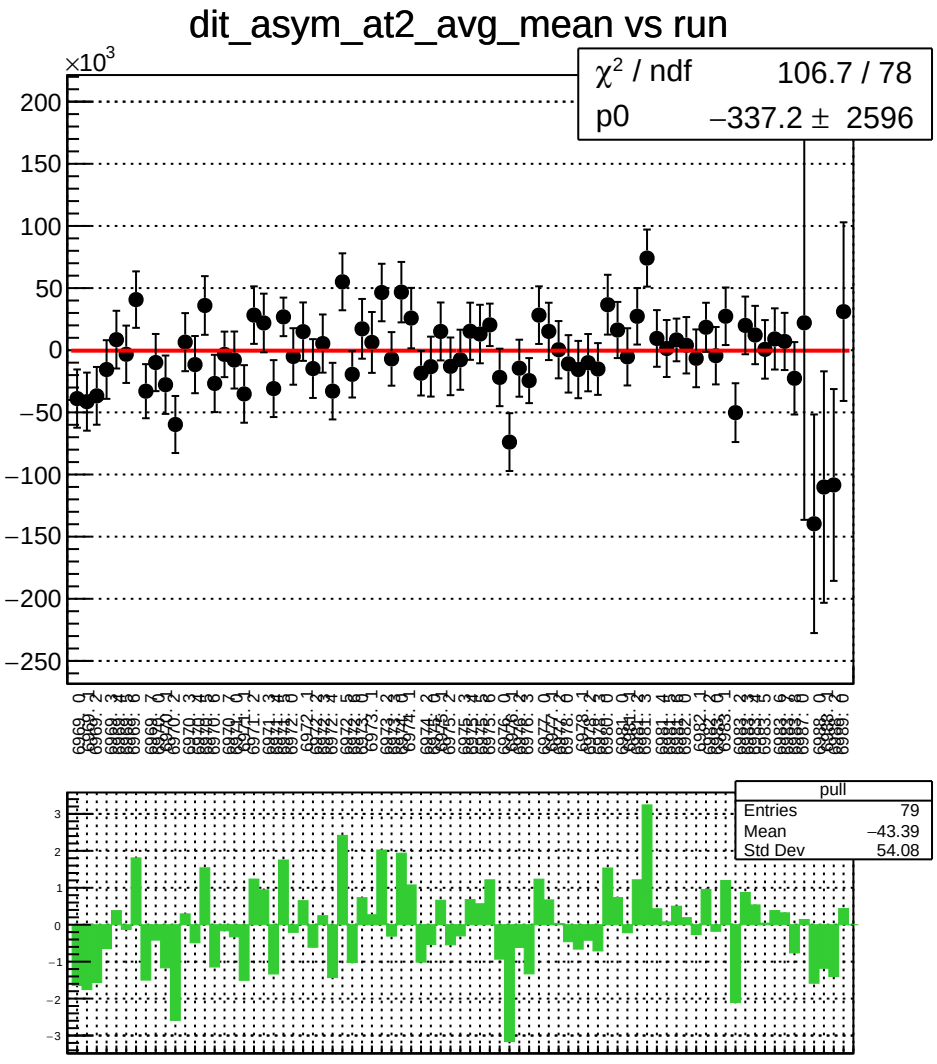

asym_at1_dd_correction_rms vs run
χ^2 / ndf 5793 / 73
p0 512.1 ± 0.4261
600
500
400
300
200
100
0

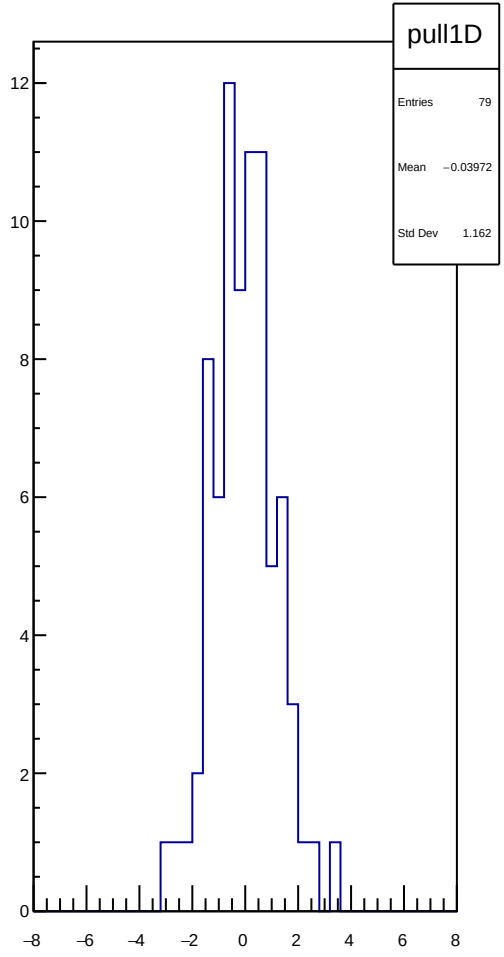

asym_at1_dd_mean vs run
×10^3
χ² / ndf 81.93 / 78
p0 −2059 ± 2172
100
50
0
−50
−100
pull
Entries 79
Mean 392.5
Std Dev 330.6
2
1
0
−1
−2
−3

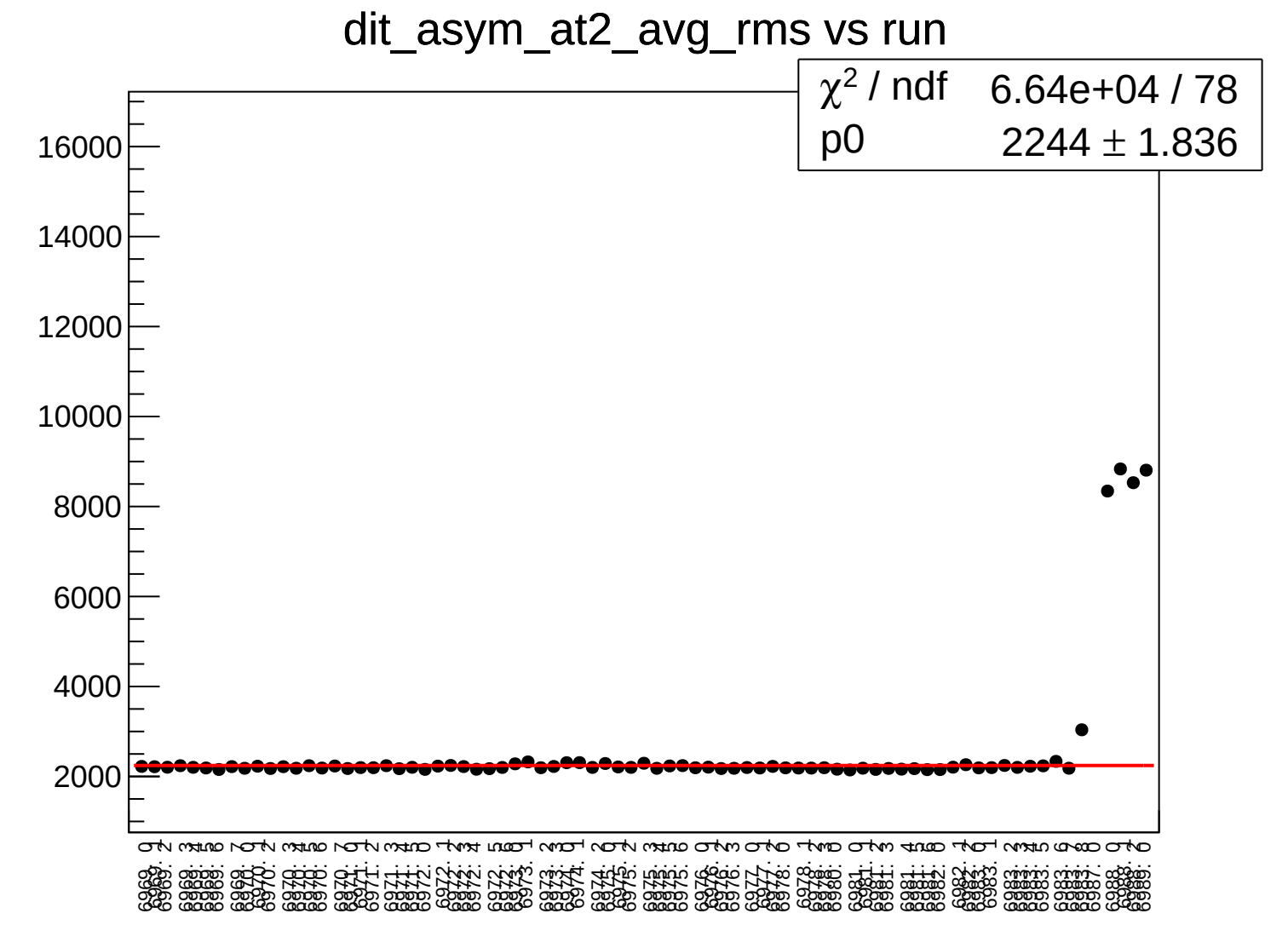

pull1D
Entries 79
Mean −0.004865
Std Dev 1.018
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

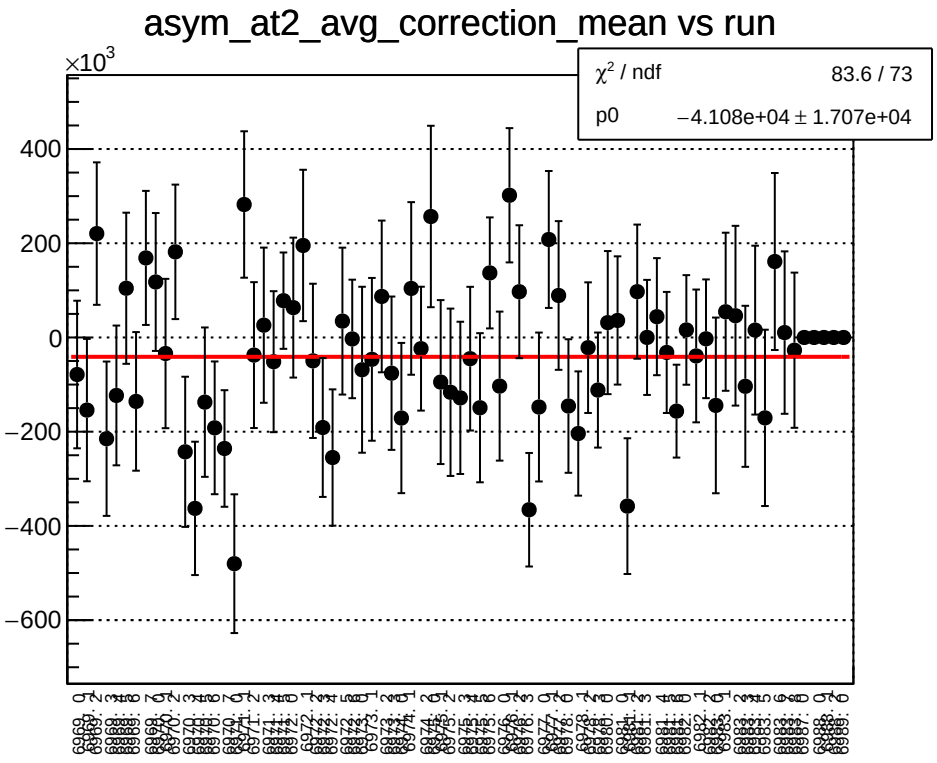
asym_at1_dd_rms vs run

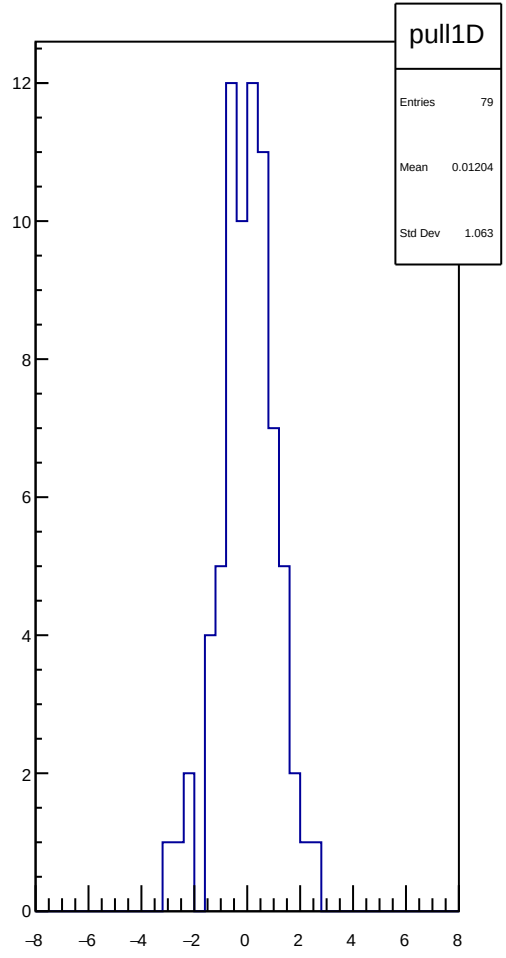



dit_asym_at2_avg_mean vs run
×10^3
χ² / ndf 106.7 / 78
p0 −337.2 ± 2596
pull
Entries 79
Mean −43.39
Std Dev 54.08

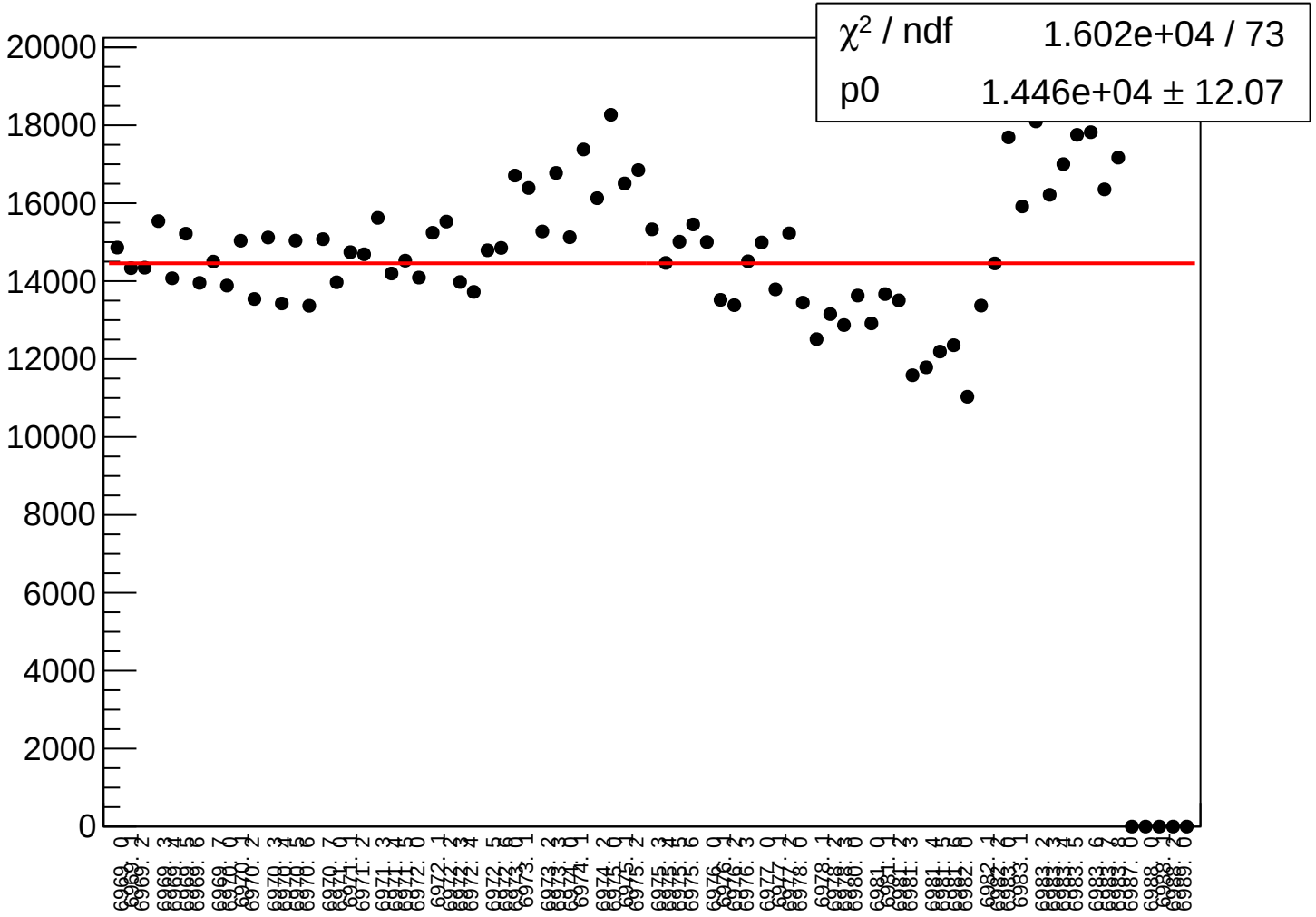

pull1D
Entries 79
Mean −0.03972
Std Dev 1.162

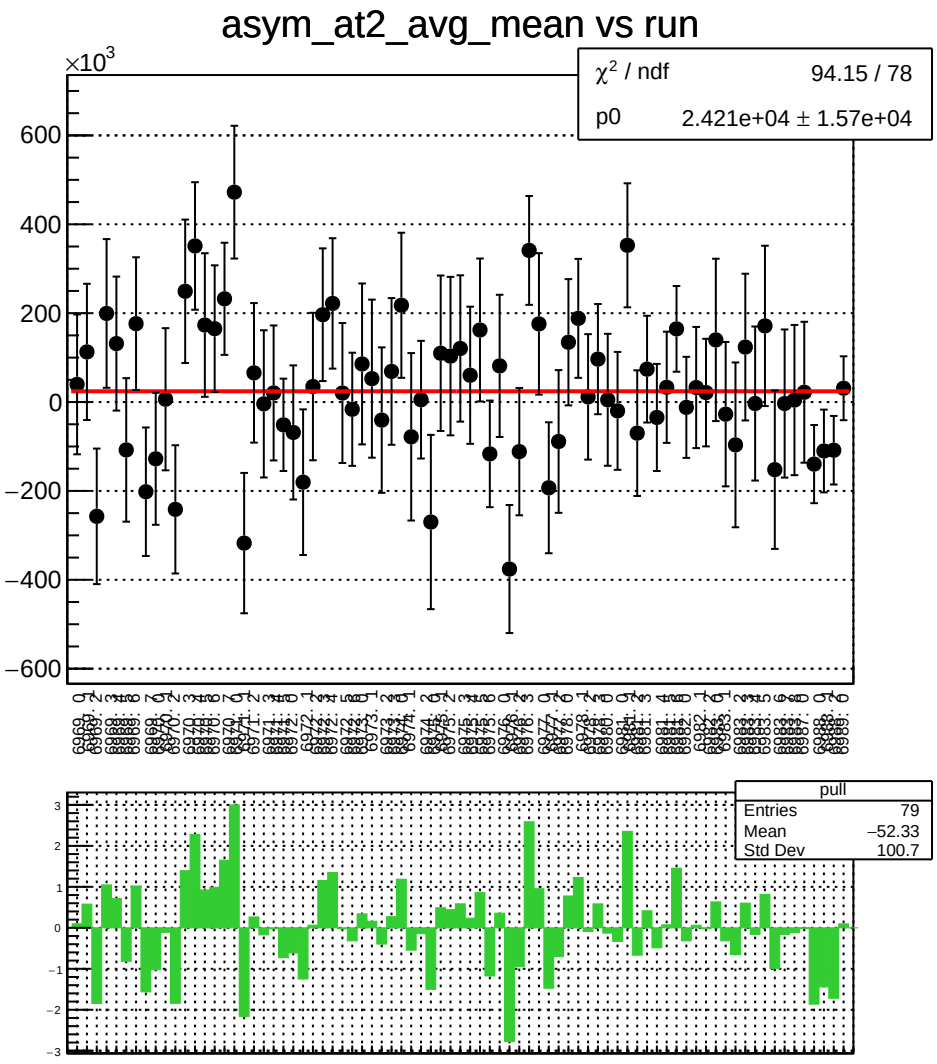

dit_asym_at2_avg_rms vs run
χ2 / ndf 6.64e+04 / 78
p0 2244 ± 1.836
16000
14000
12000
10000
8000
6000
4000
2000

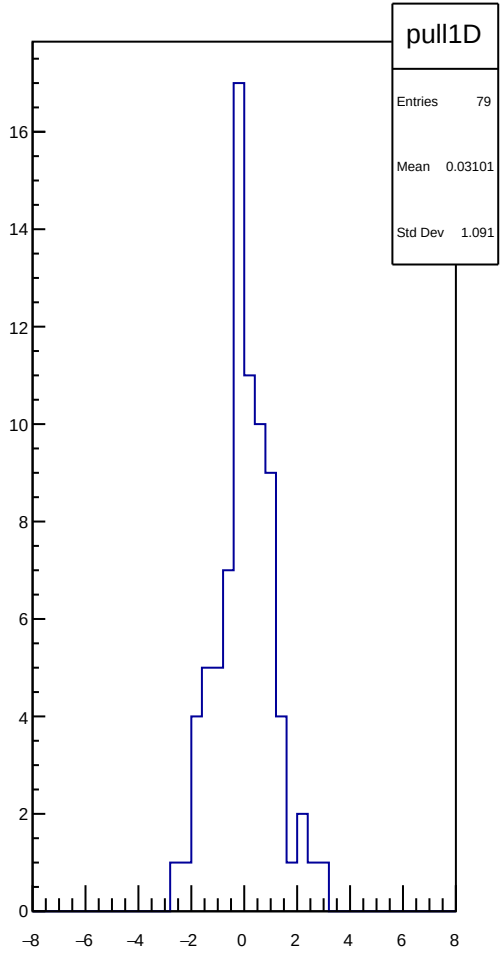

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 83.6 / 73
p0 −4.108e+04 ± 1.707e+04
400
200
0
−200
−400
−600

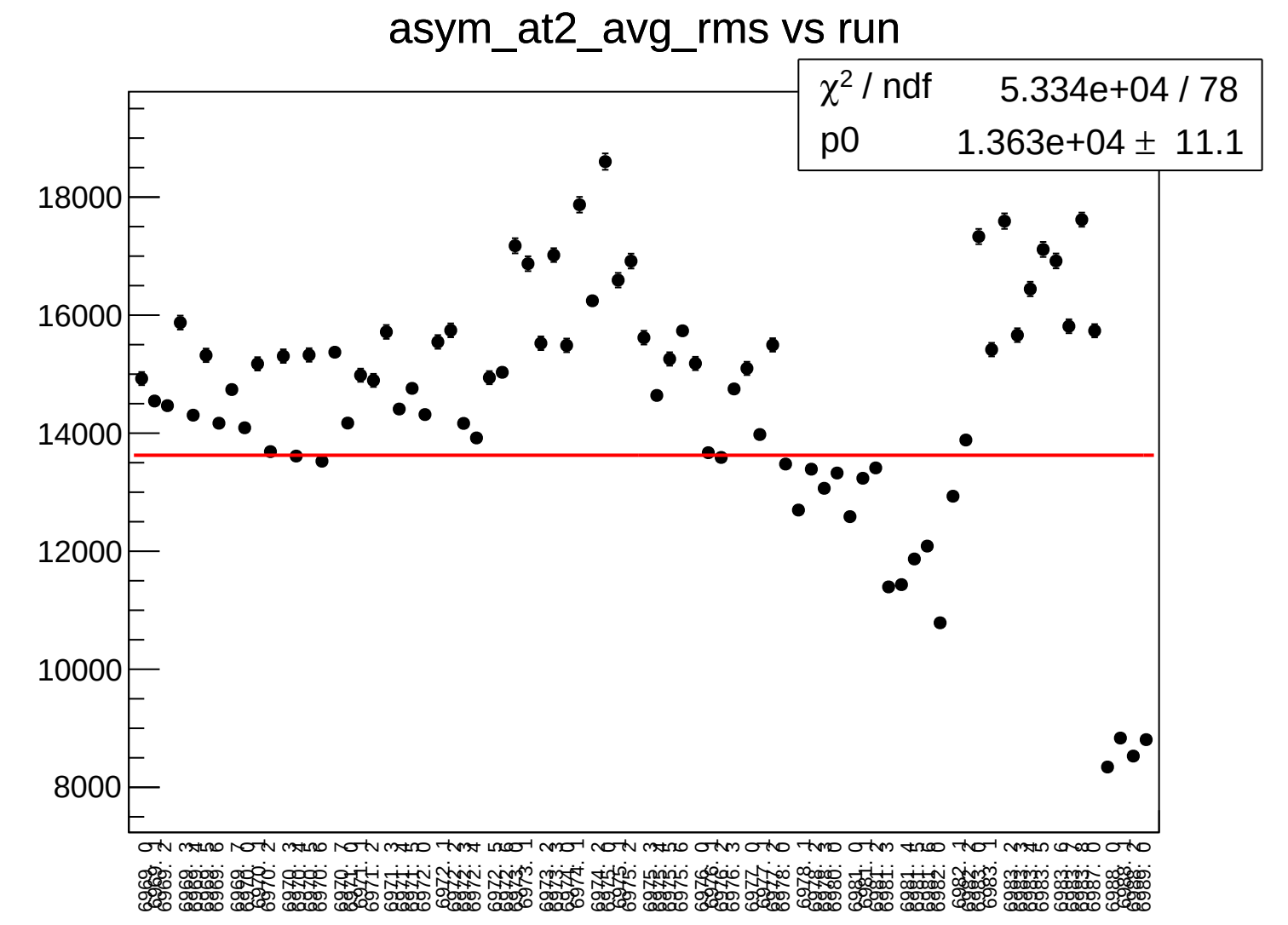

pull1D
Entries 79
Mean 0.01204
Std Dev 1.063
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

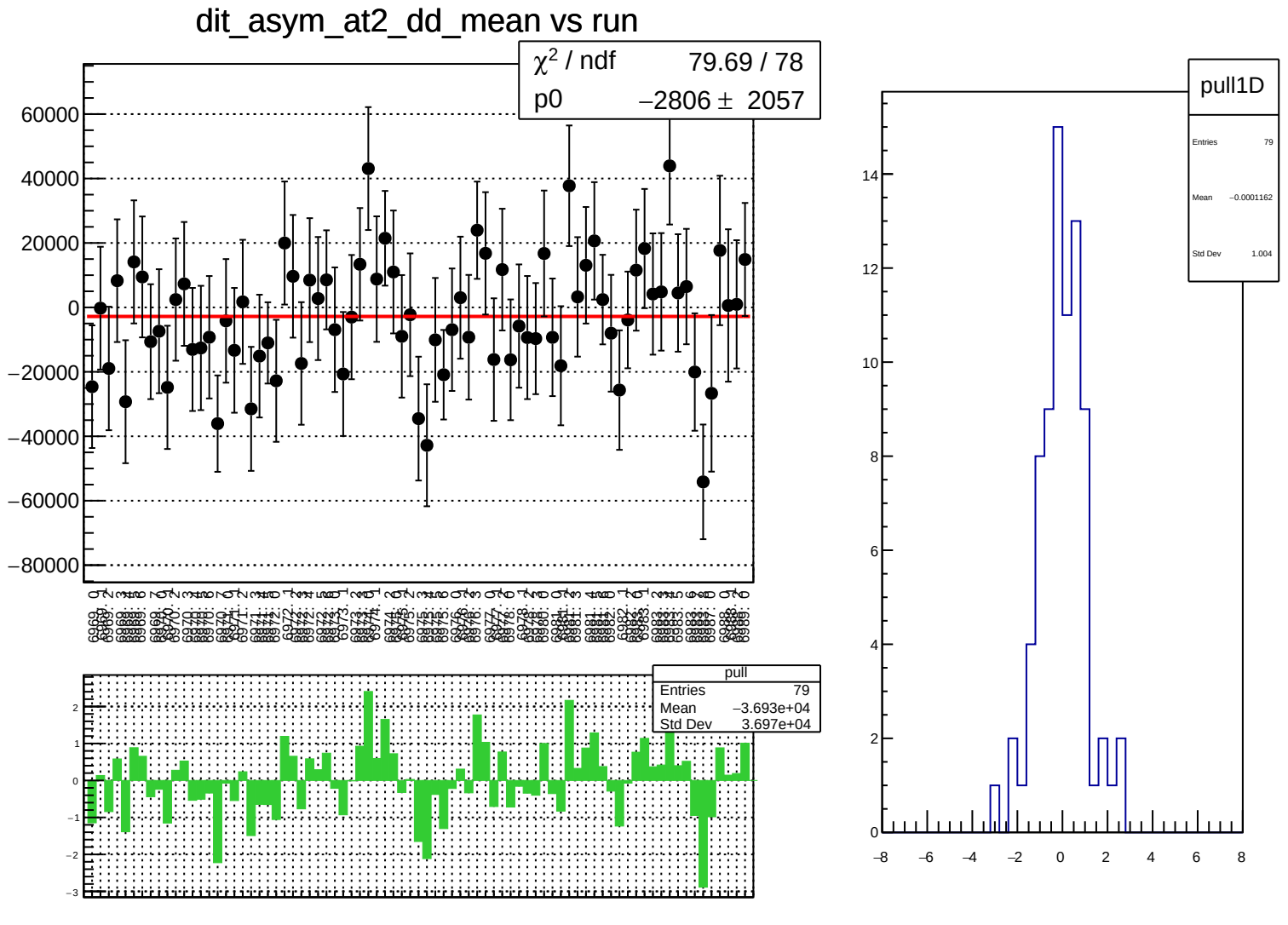
asym_at2_avg_correction_rms vs run

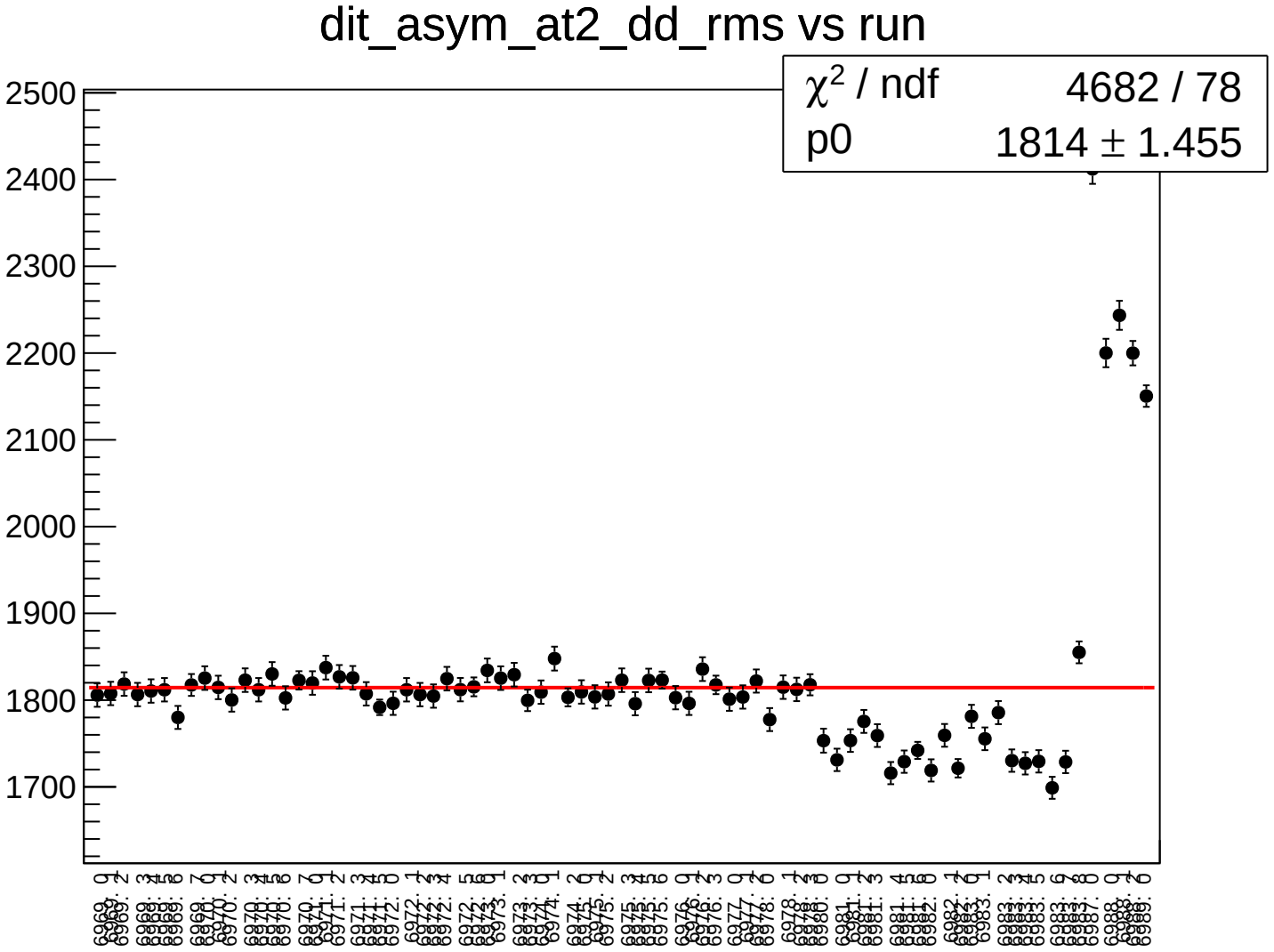


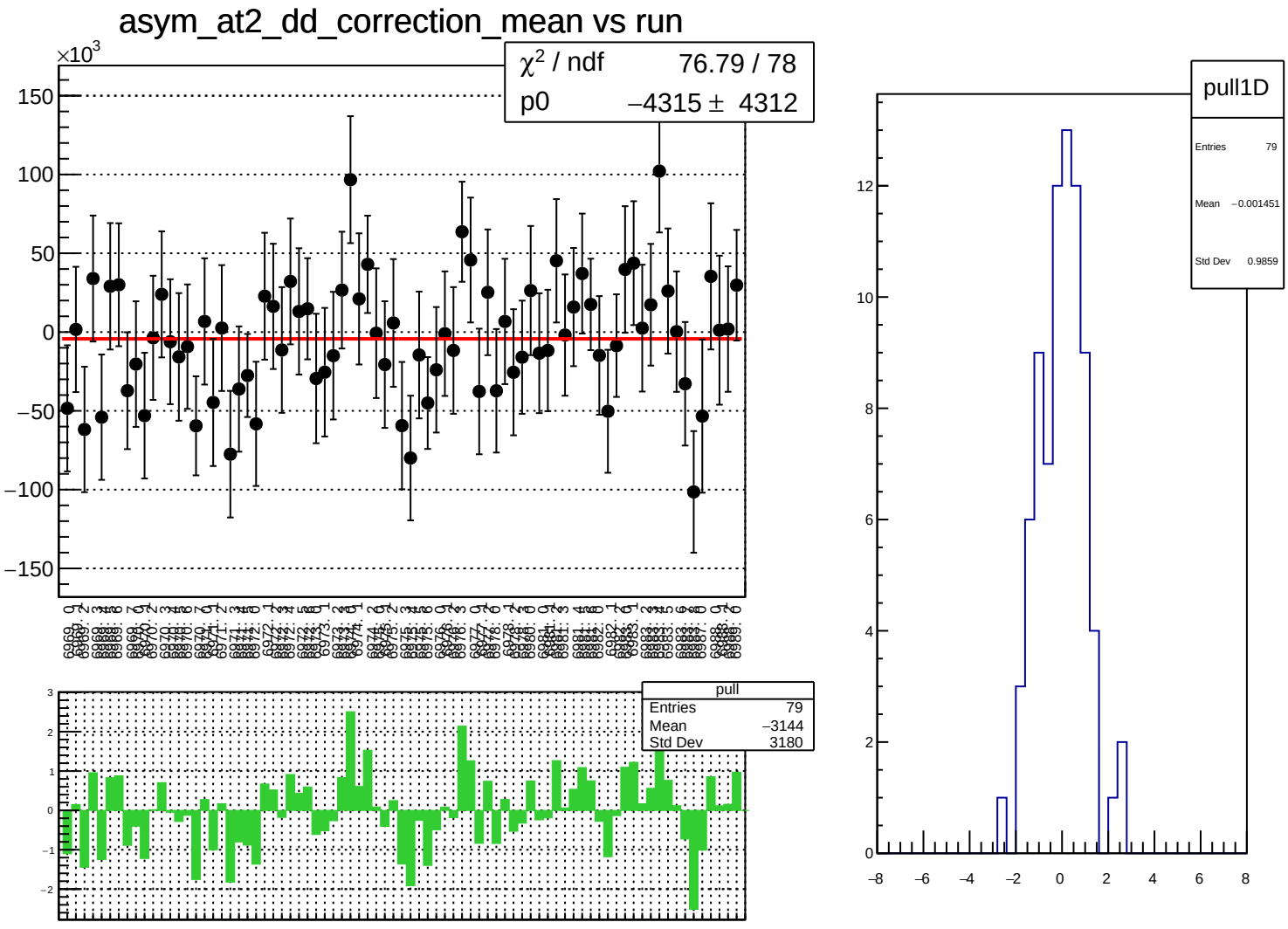

asym_at2_avg_mean vs run
×10^3
χ² / ndf 94.15 / 78
p0 2.421e+04 ± 1.57e+04
pull
Entries 79
Mean −52.33
Std Dev 100.7


pull1D
Entries 79
Mean 0.03101
Std Dev 1.091

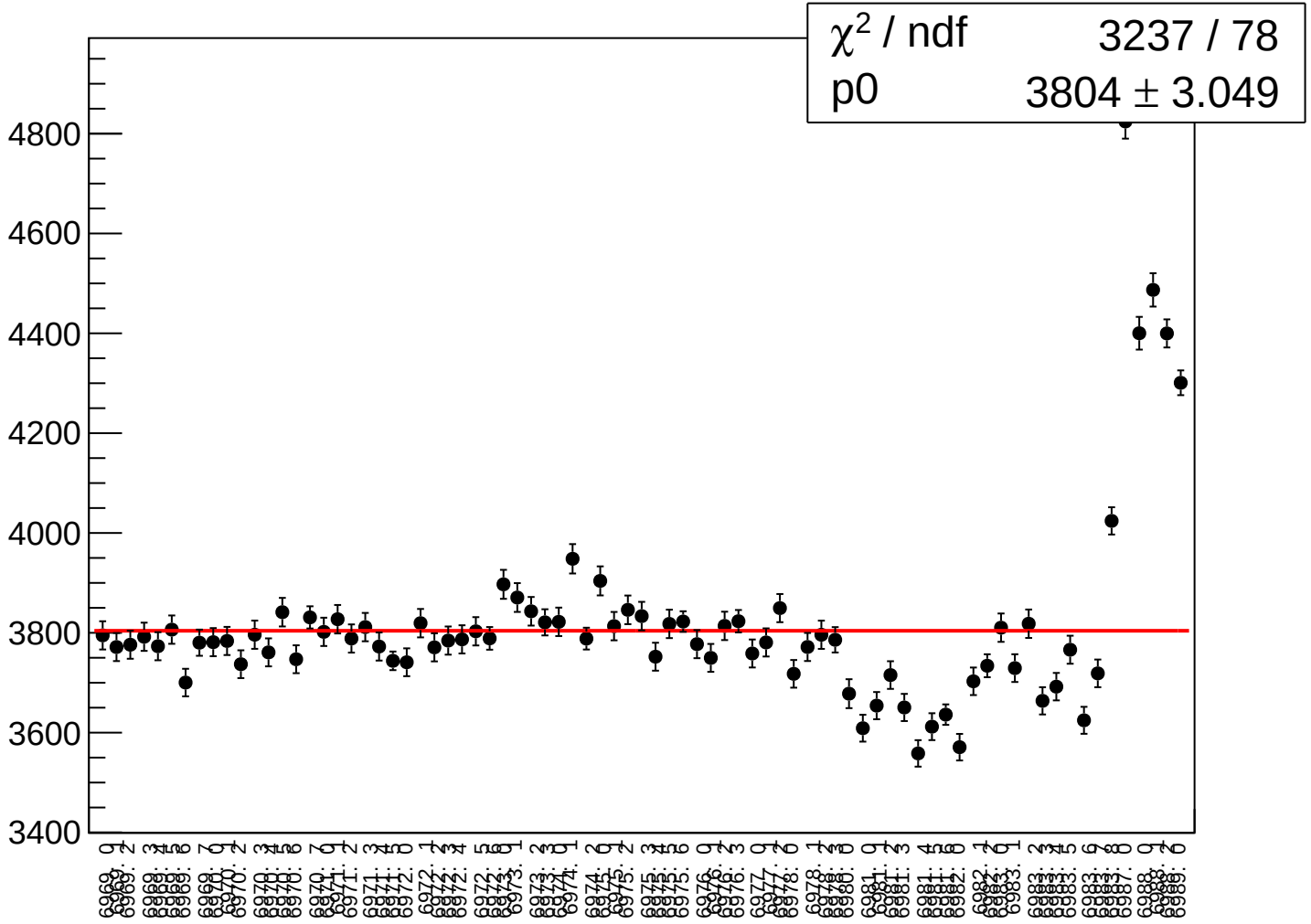

asym_at2_avg_rms vs run
χ2 / ndf 5.334e+04 / 78
p0 1.363e+04 ± 11.1
18000
16000
14000
12000
10000
8000

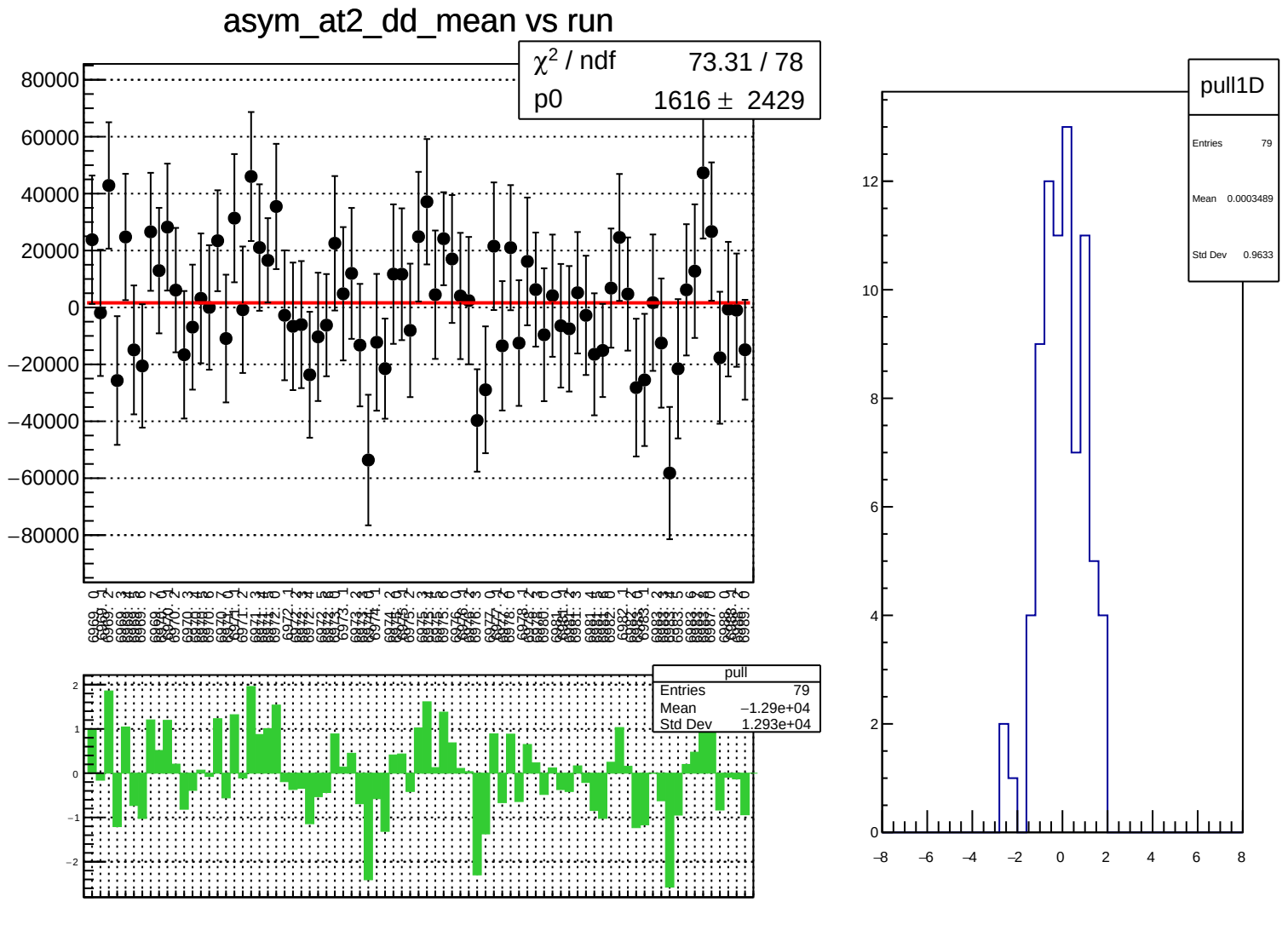

dit_asym_at2_dd_mean vs run
χ² / ndf 79.69 / 78
p0 −2806 ± 2057
pull
Entries 79
Mean −3.693e+04
Std Dev 3.697e+04
pull1D
Entries 79
Mean −0.0001162
Std Dev 1.004

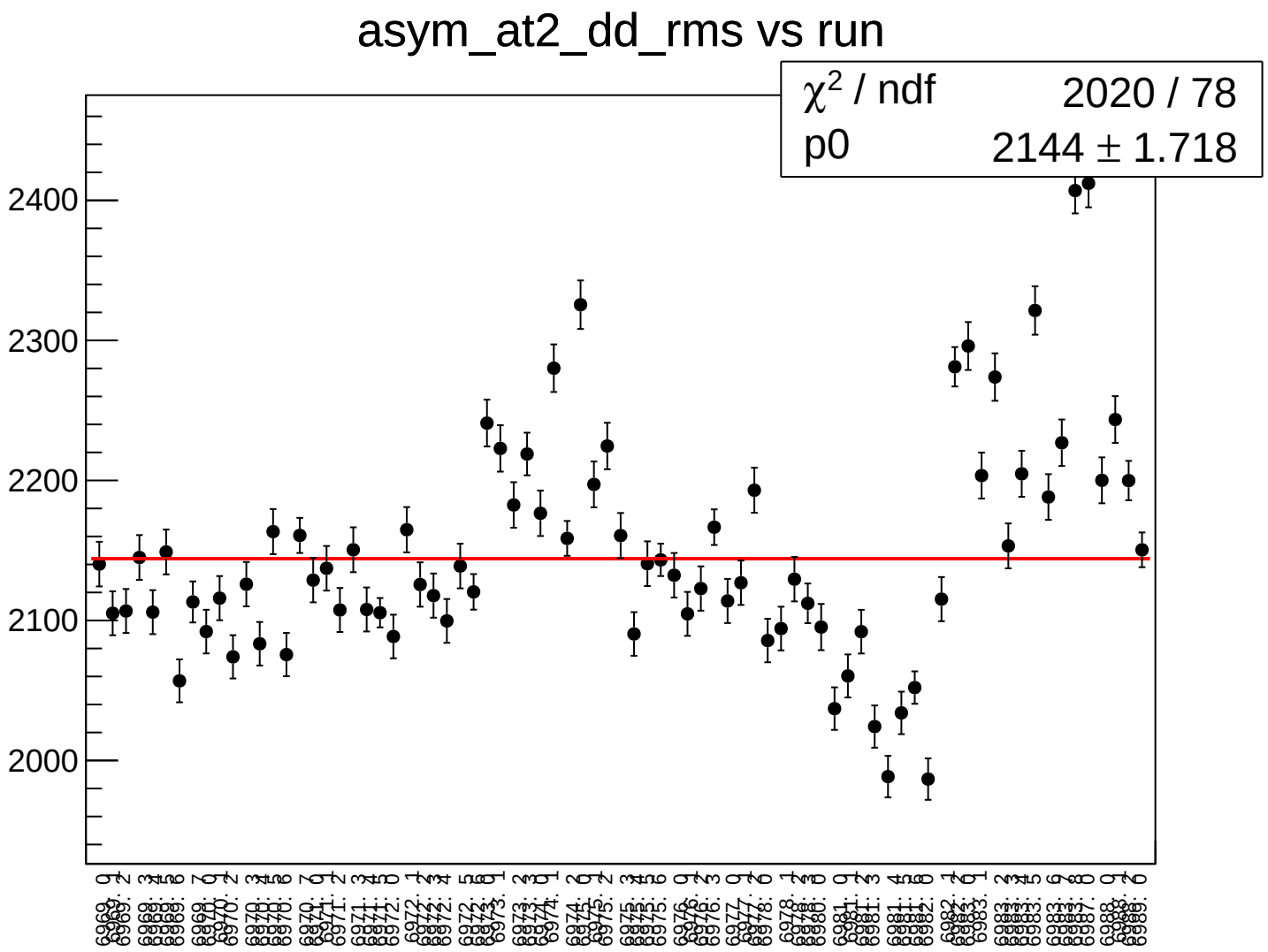

dit_asym_at2_dd_rms vs run
χ² / ndf 4682 / 78
p0 1814 ± 1.455
2500
2400
2300
2200
2100
2000
1900
1800
1700

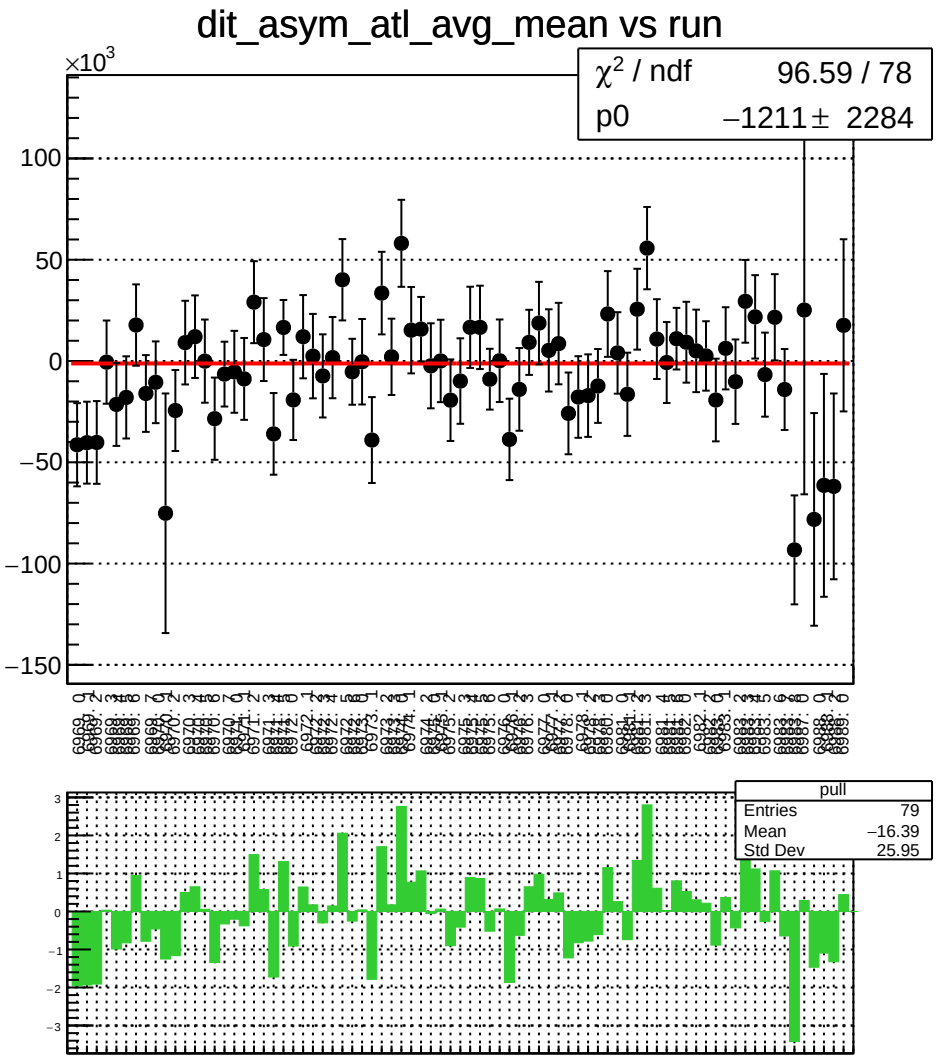

asym_at2_dd_correction_mean vs run
×10^3
χ^2 / ndf 76.79 / 78
p0 −4315 ± 4312
pull
Entries 79
Mean −3144
Std Dev 3180
pull1D
Entries 79
Mean −0.001451
Std Dev 0.9859

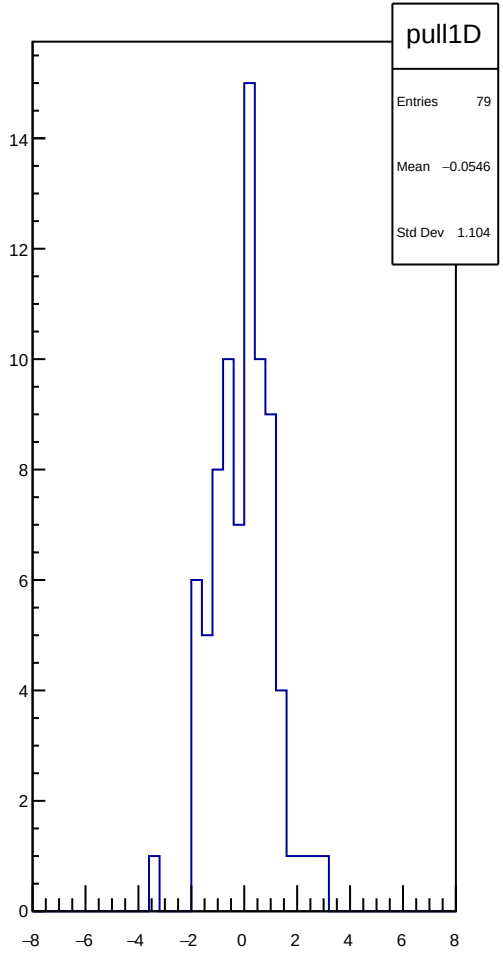
asym_at2_dd_correction_rms vs run



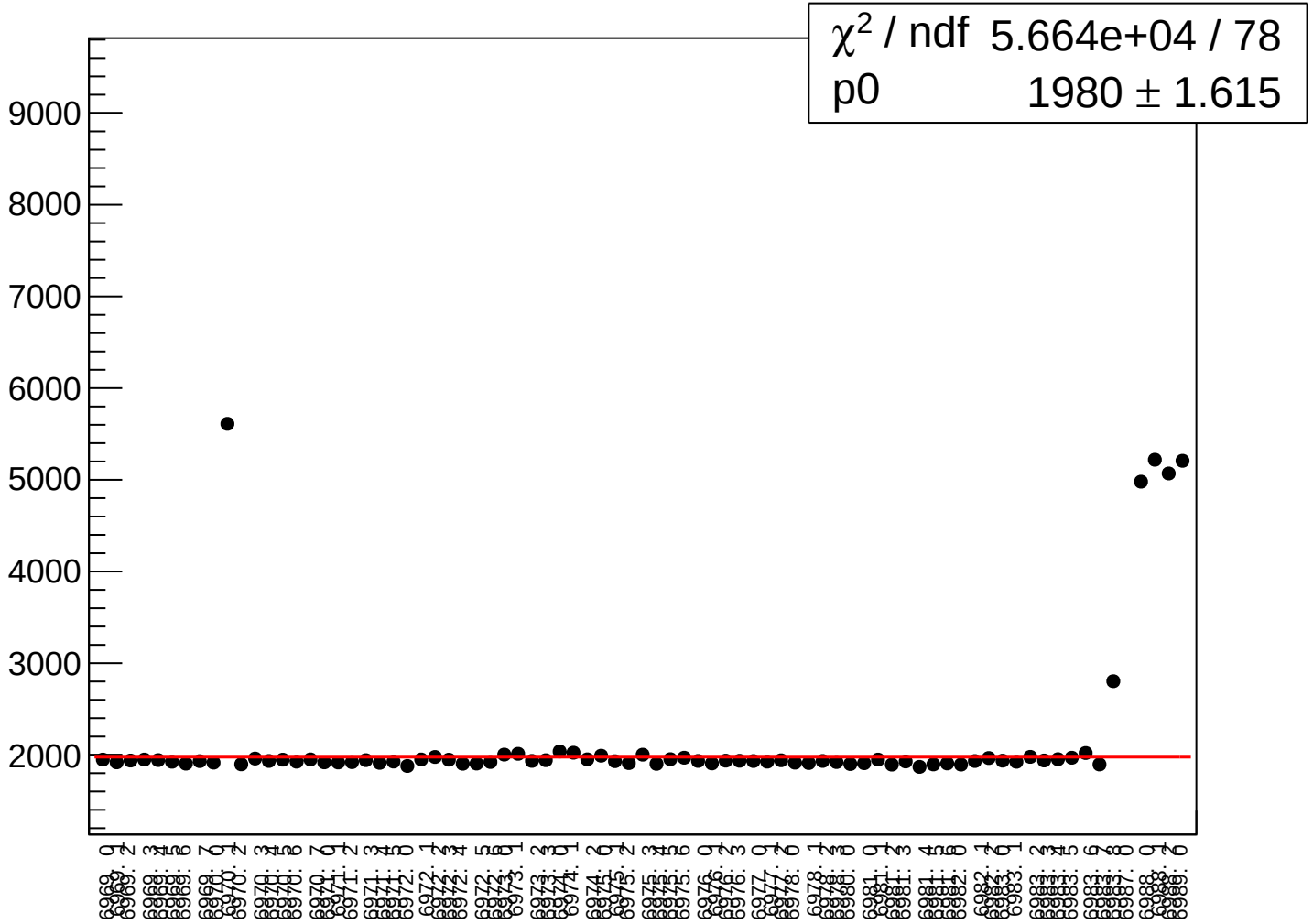

asym_at2_dd_mean vs run
χ² / ndf 73.31 / 78
p0 1616 ± 2429
pull
Entries 79
Mean −1.29e+04
Std Dev 1.293e+04
pull1D
Entries 79
Mean 0.0003489
Std Dev 0.9633

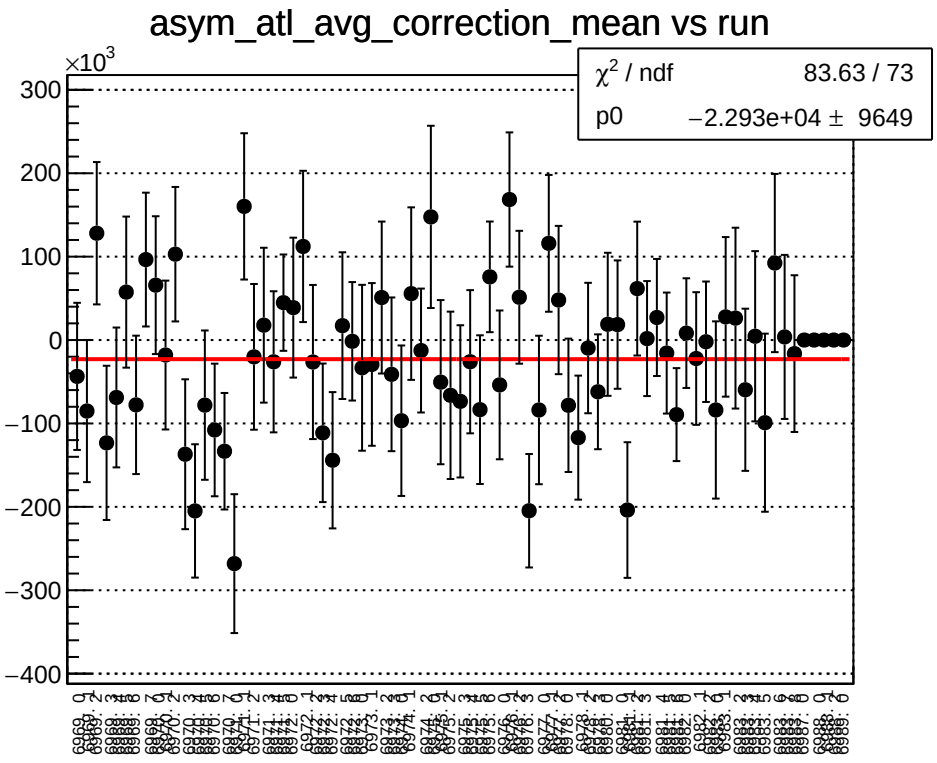

asym_at2_dd_rms vs run
χ2 / ndf 2020 / 78
p0 2144 ± 1.718
2400
2300
2200
2100
2000

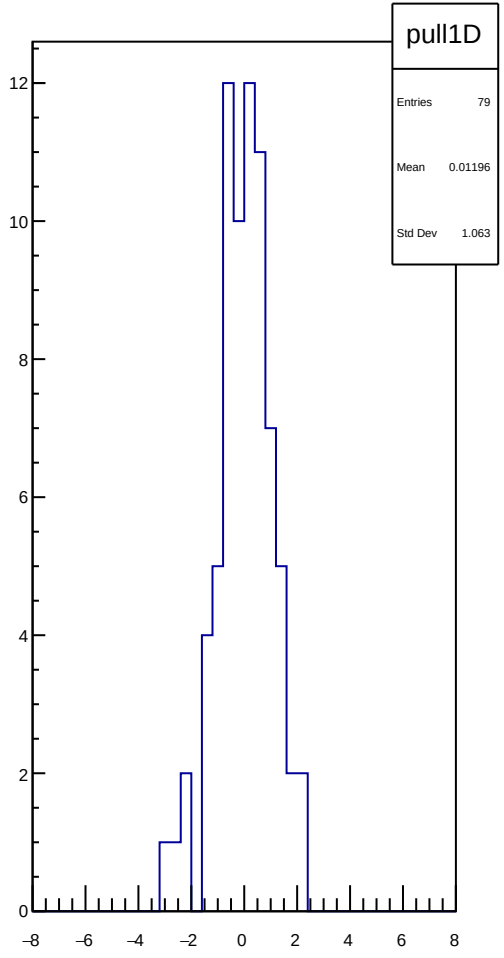

dit_asym_atl_avg_mean vs run
×10^3
χ² / ndf 96.59 / 78
p0 −1211 ± 2284
pull
Entries 79
Mean −16.39
Std Dev 25.95


pull1D
Entries 79
Mean −0.0546
Std Dev 1.104

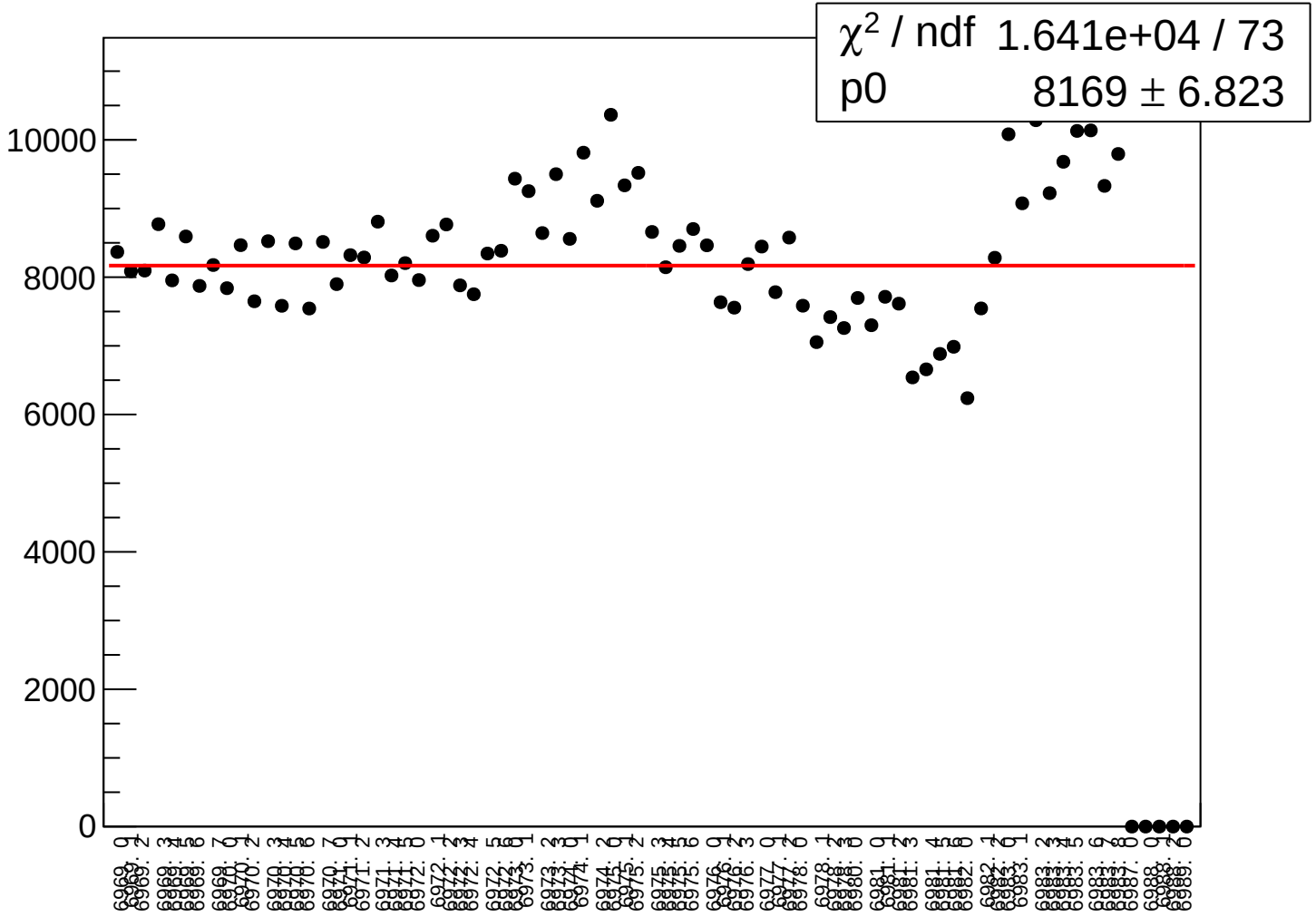
dit_asym_atl_avg_rms vs run

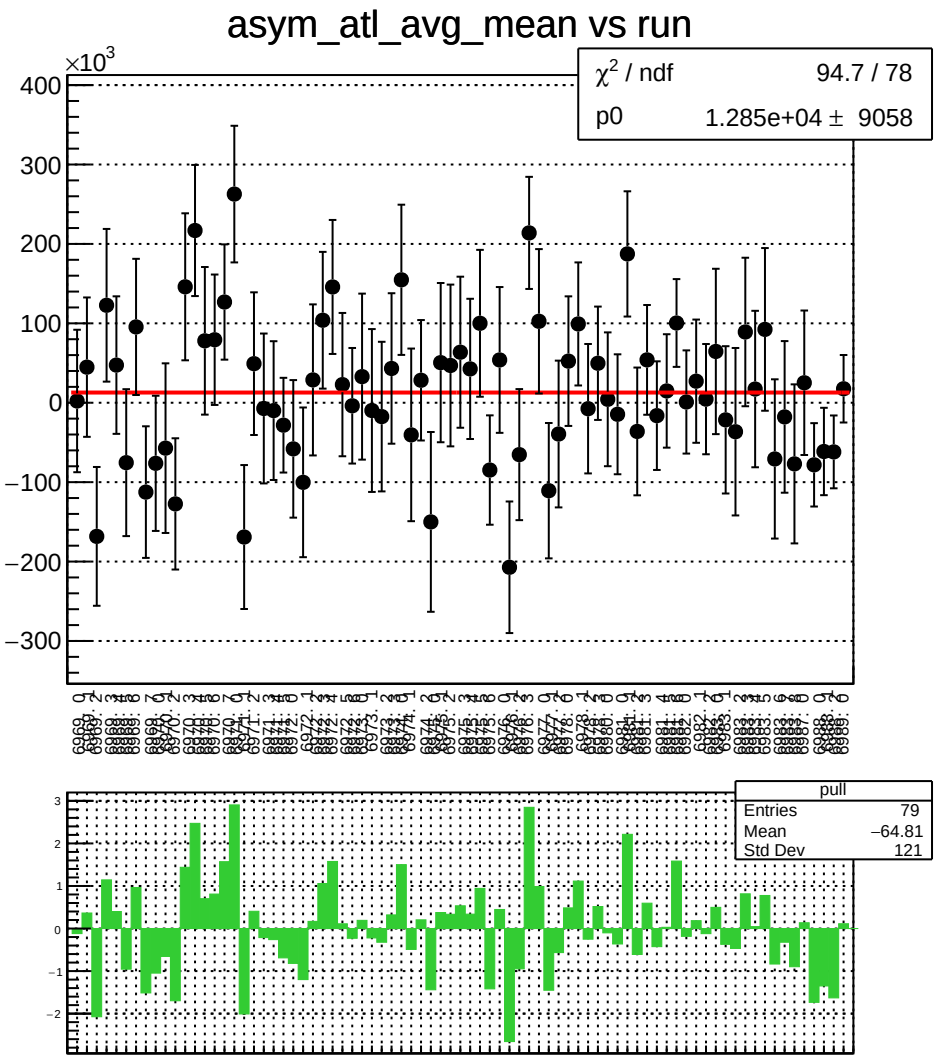


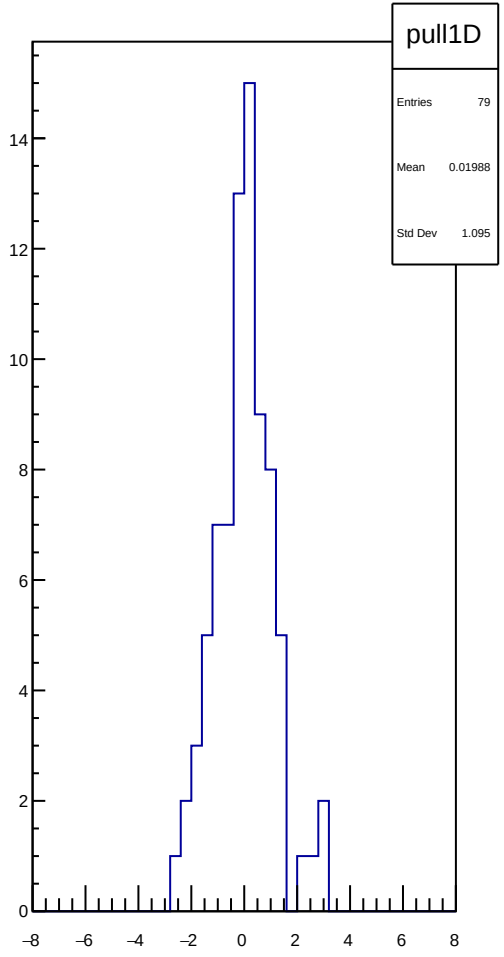

asym_atl_avg_correction_mean vs run
×10^3
χ^2 / ndf 83.63 / 73
p0 −2.293e+04 ± 9649
300
200
100
0
−100
−200
−300
−400

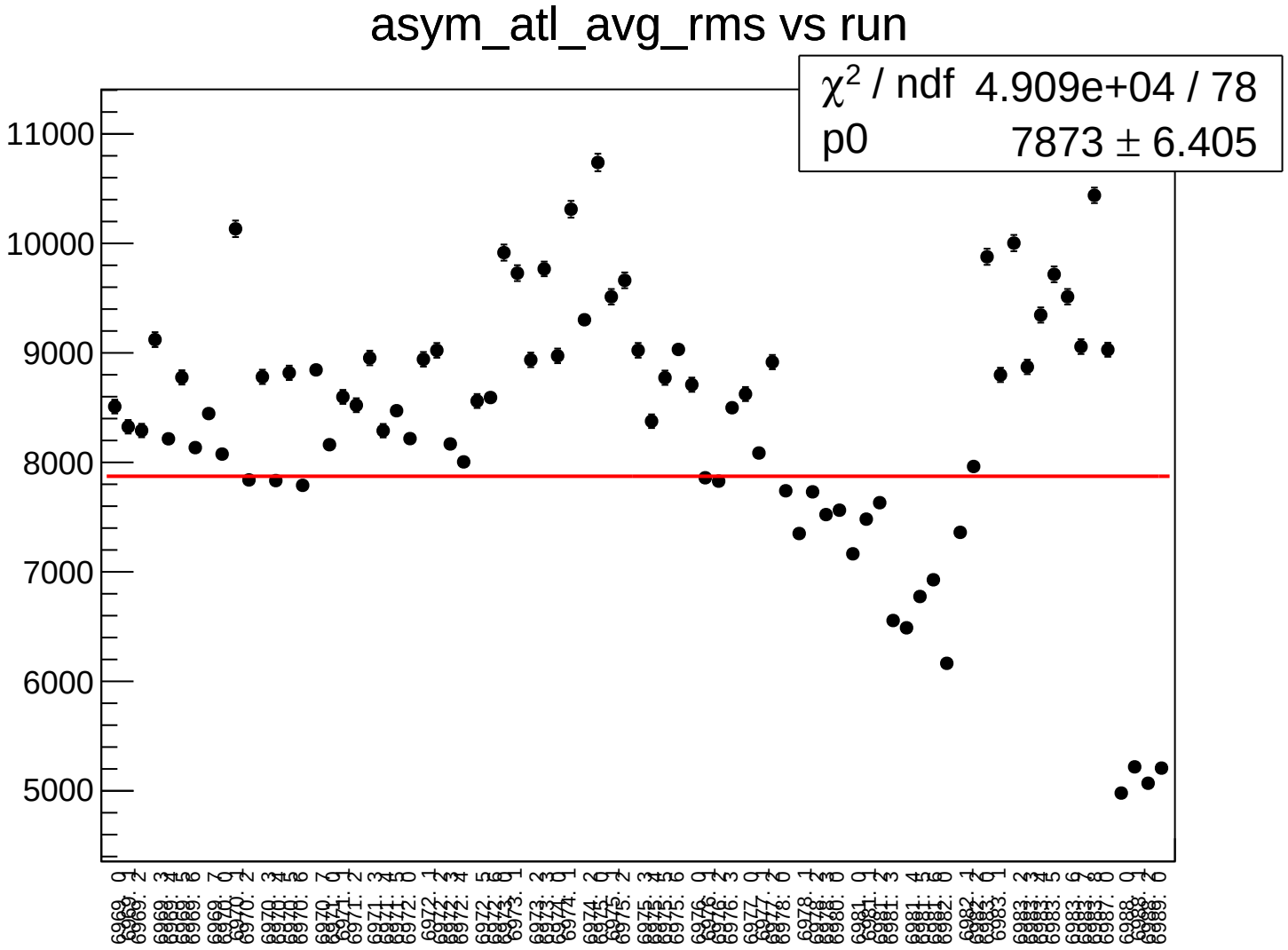

pull1D
Entries 79
Mean 0.01196
Std Dev 1.063
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

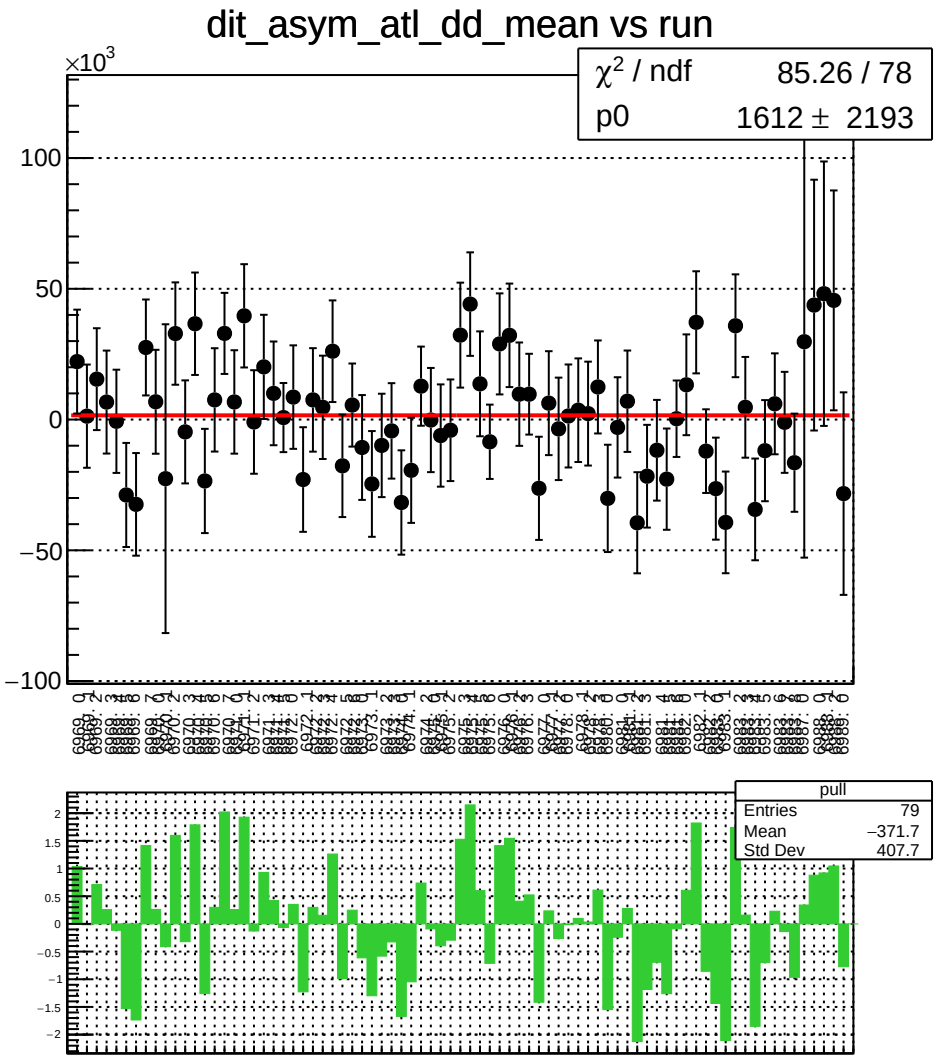
asym_atl_avg_correction_rms vs run

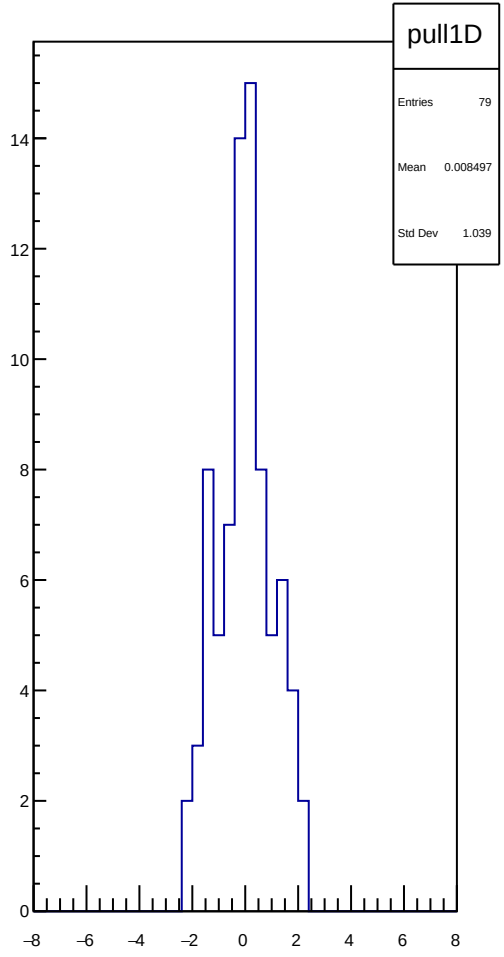


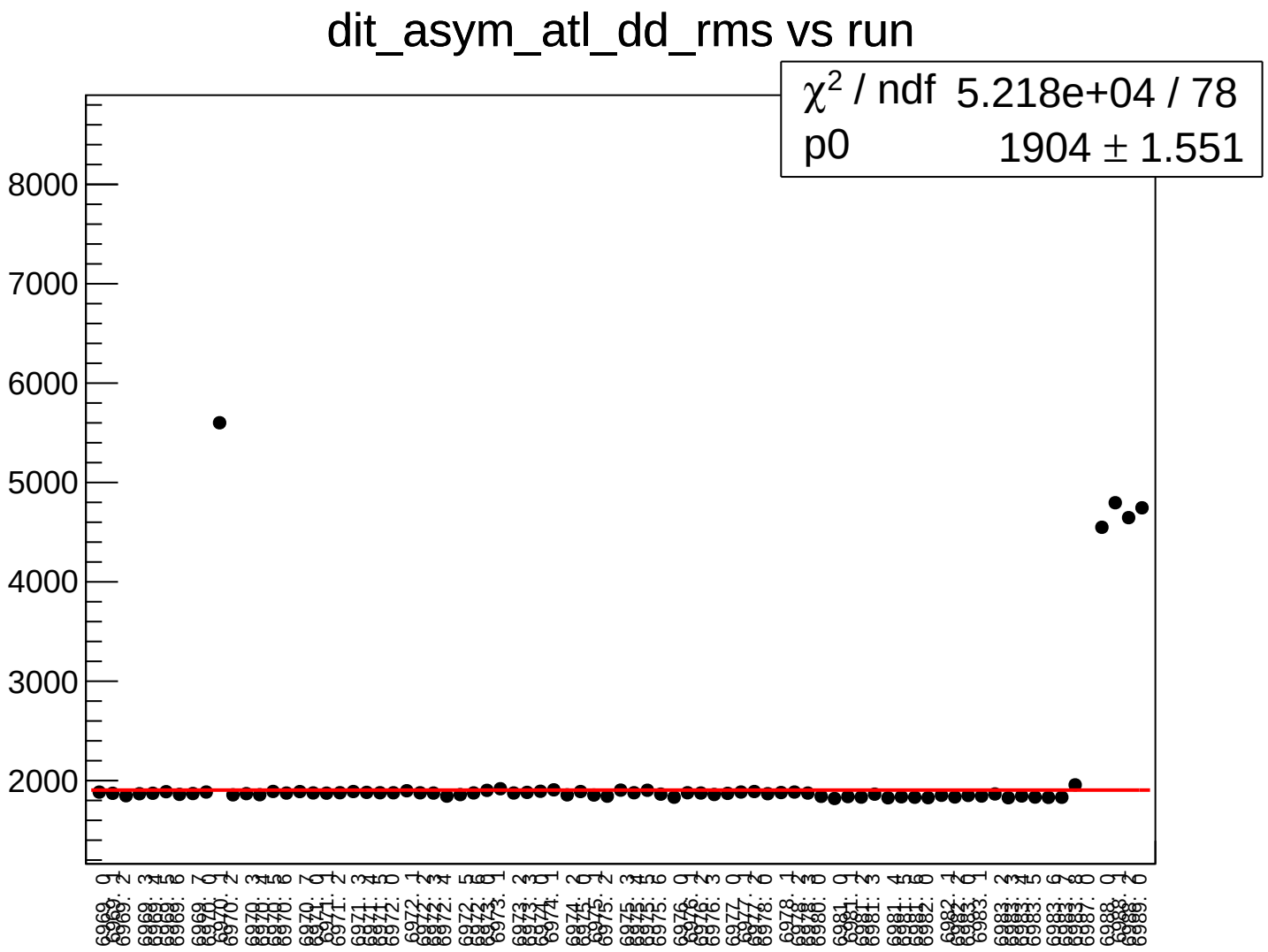

asym_atl_avg_mean vs run
×10^3
χ² / ndf 94.7 / 78
p0 1.285e+04 ± 9058
pull
Entries 79
Mean −64.81
Std Dev 121

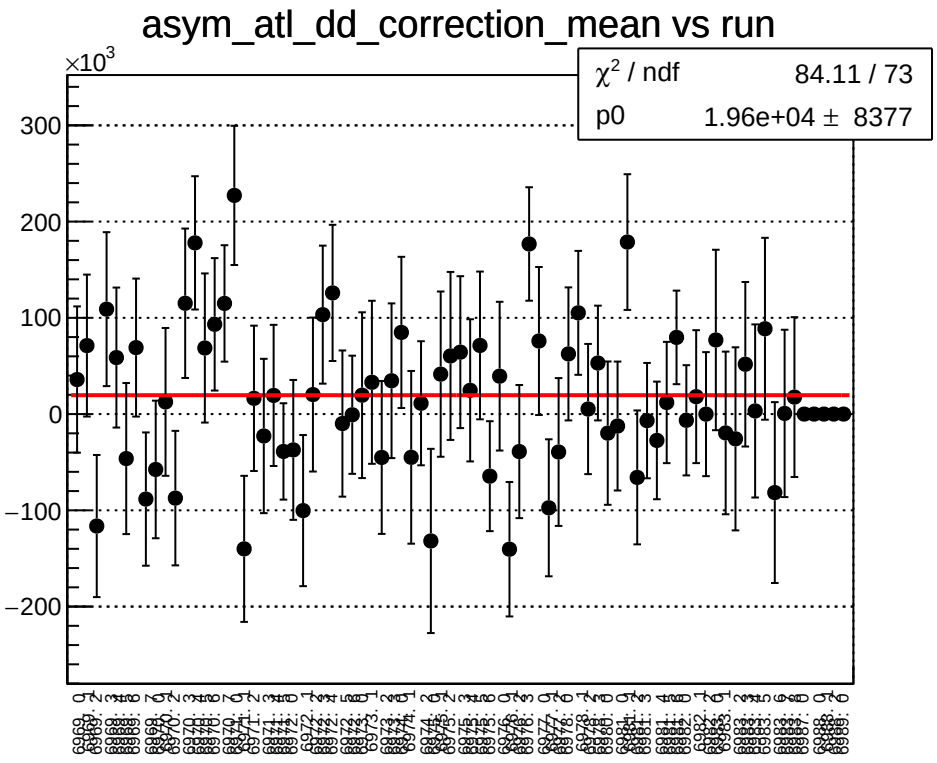

pull1D
Entries 79
Mean 0.01988
Std Dev 1.095

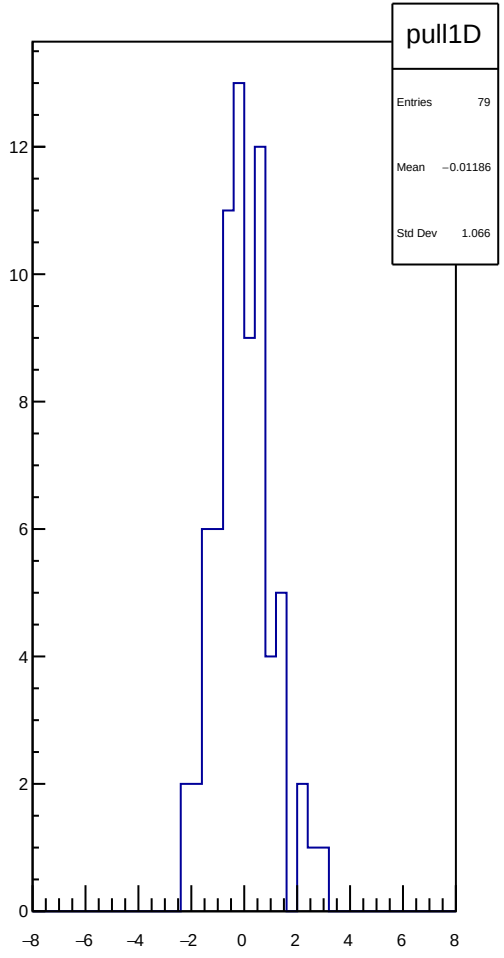

asym_atl_avg_rms vs run
χ2 / ndf 4.909e+04 / 78
p0 7873 ± 6.405
11000
10000
9000
8000
7000
6000
5000

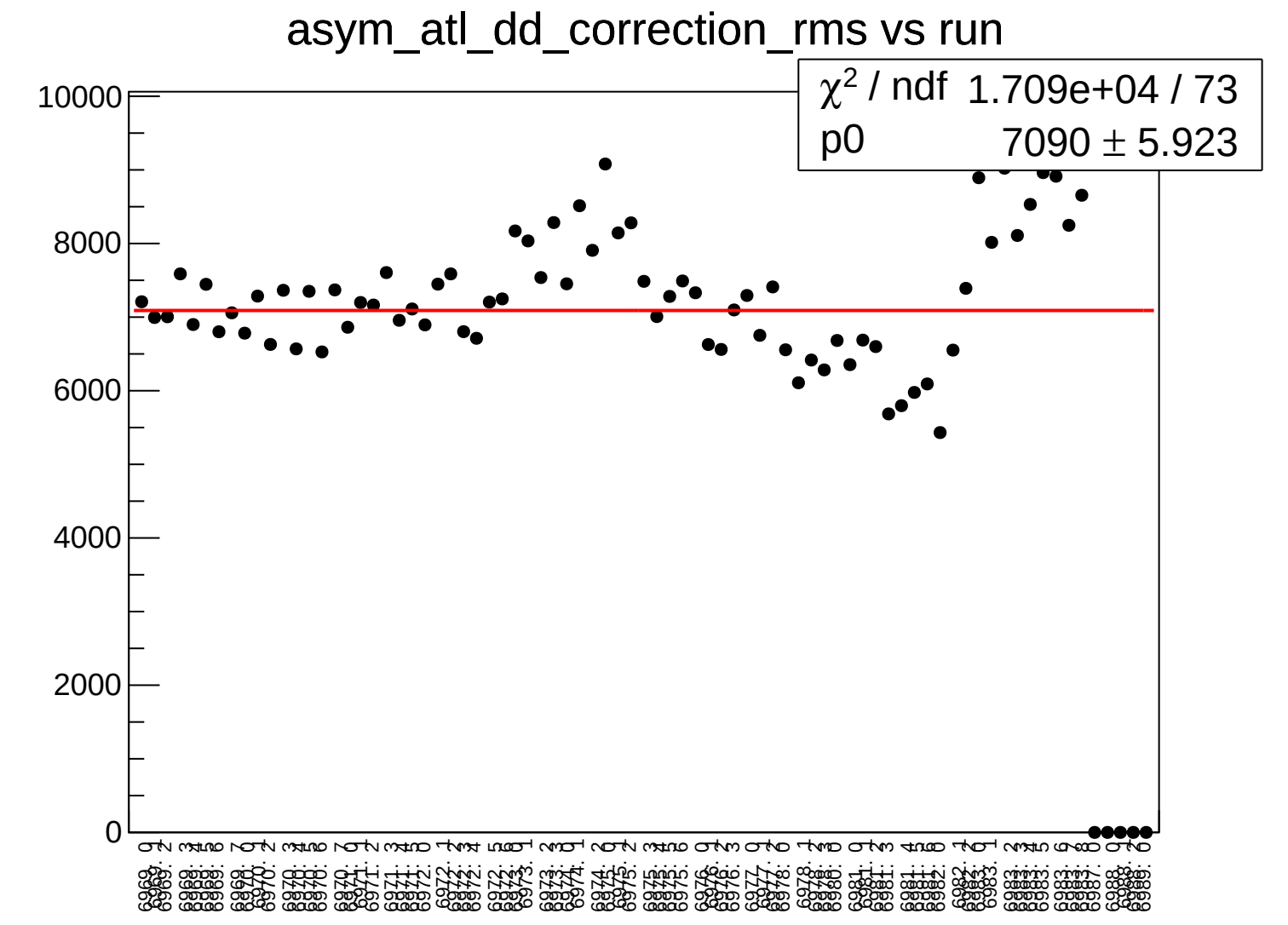

dit_asym_atl_dd_mean vs run
×10^3
χ² / ndf 85.26 / 78
p0 1612 ± 2193
pull
Entries 79
Mean −371.7
Std Dev 407.7

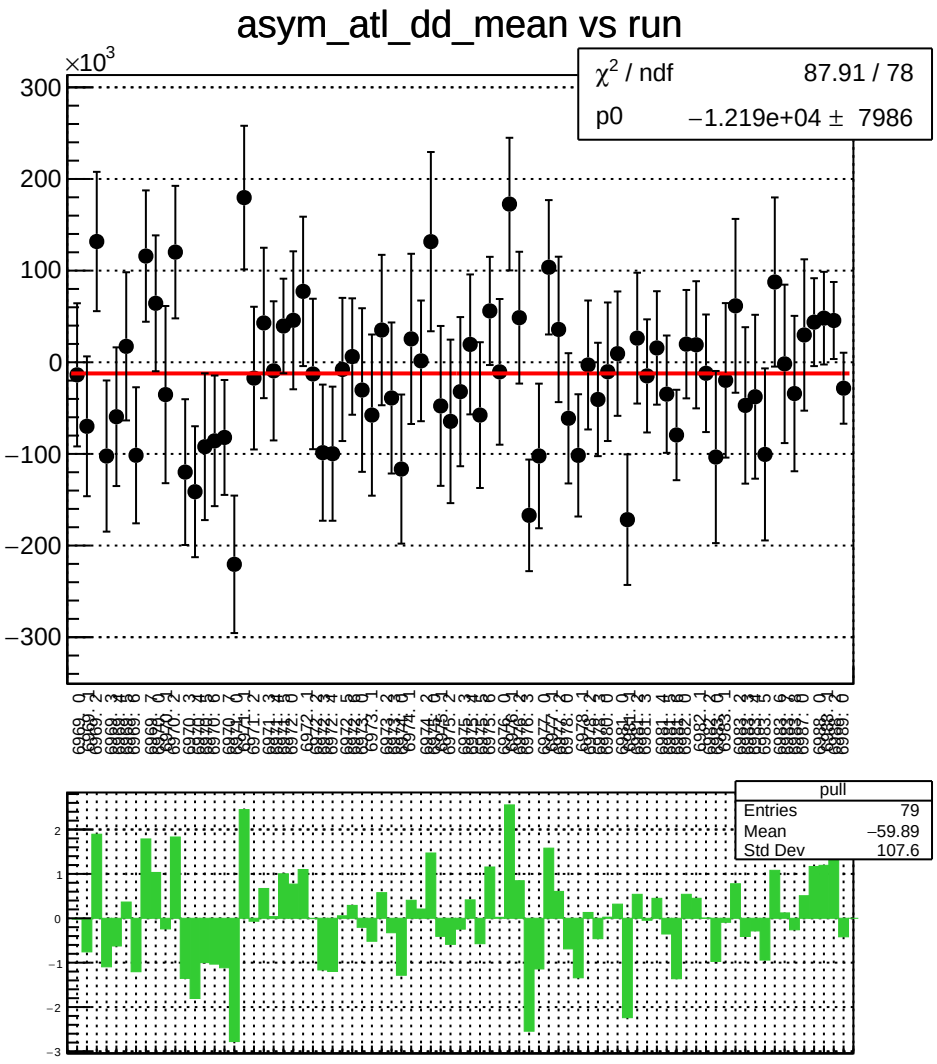

pull1D
Entries 79
Mean 0.008497
Std Dev 1.039

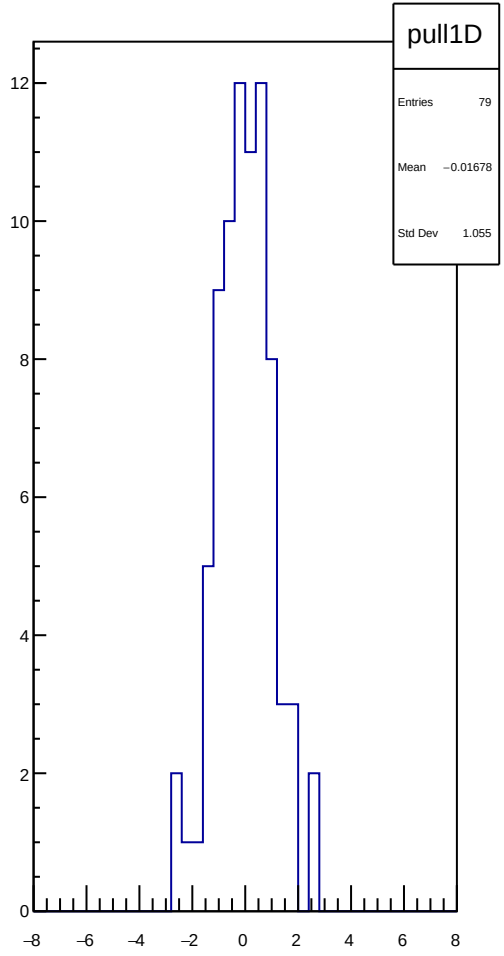

dit_asym_atl_dd_rms vs run
χ^2 / ndf 5.218e+04 / 78
p0 1904 ± 1.551
8000
7000
6000
5000
4000
3000
2000

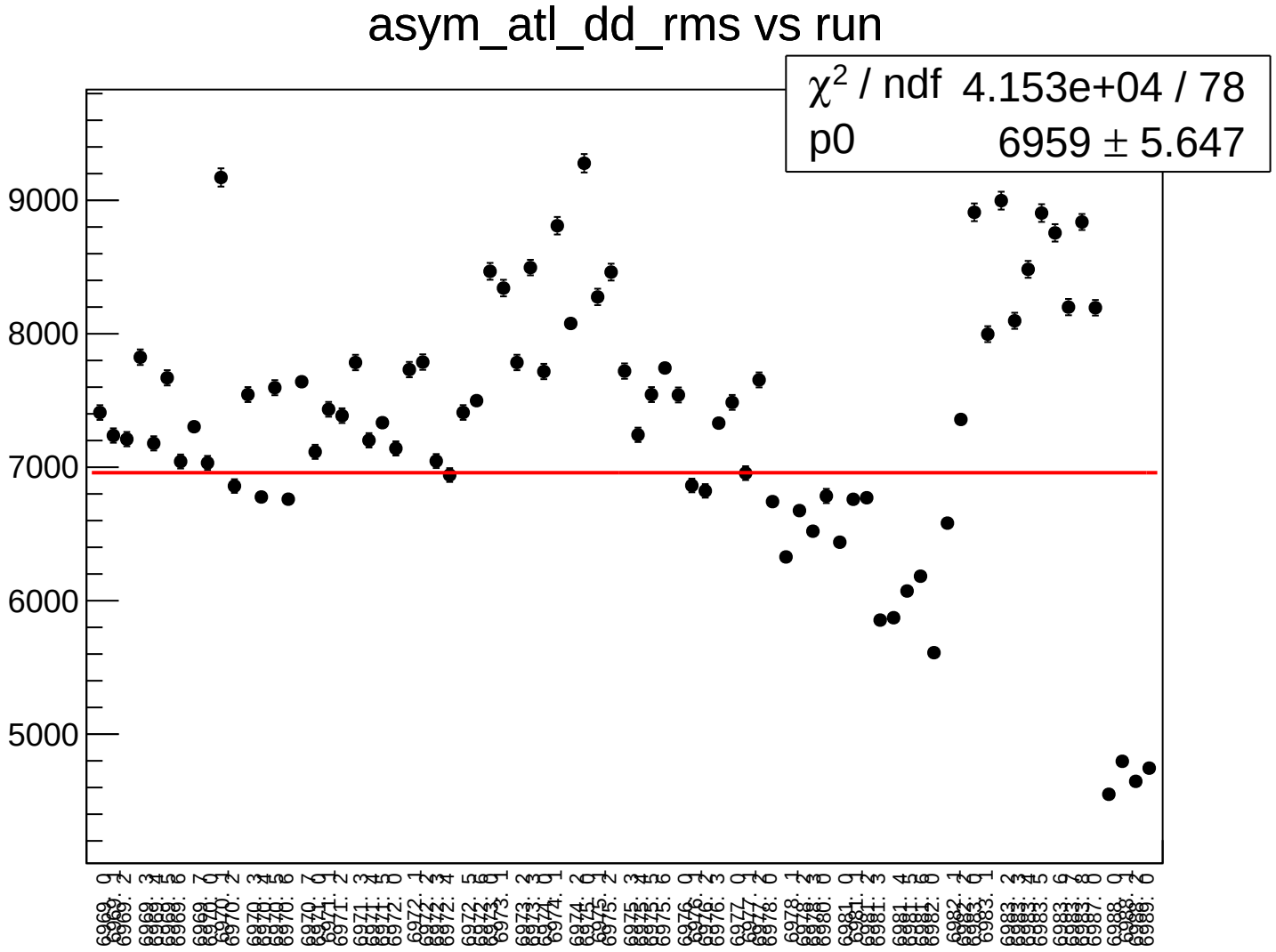

asym_atl_dd_correction_mean vs run
×10^3
χ² / ndf 84.11 / 73
p0 1.96e+04 ± 8377
300
200
100
0
−100
−200

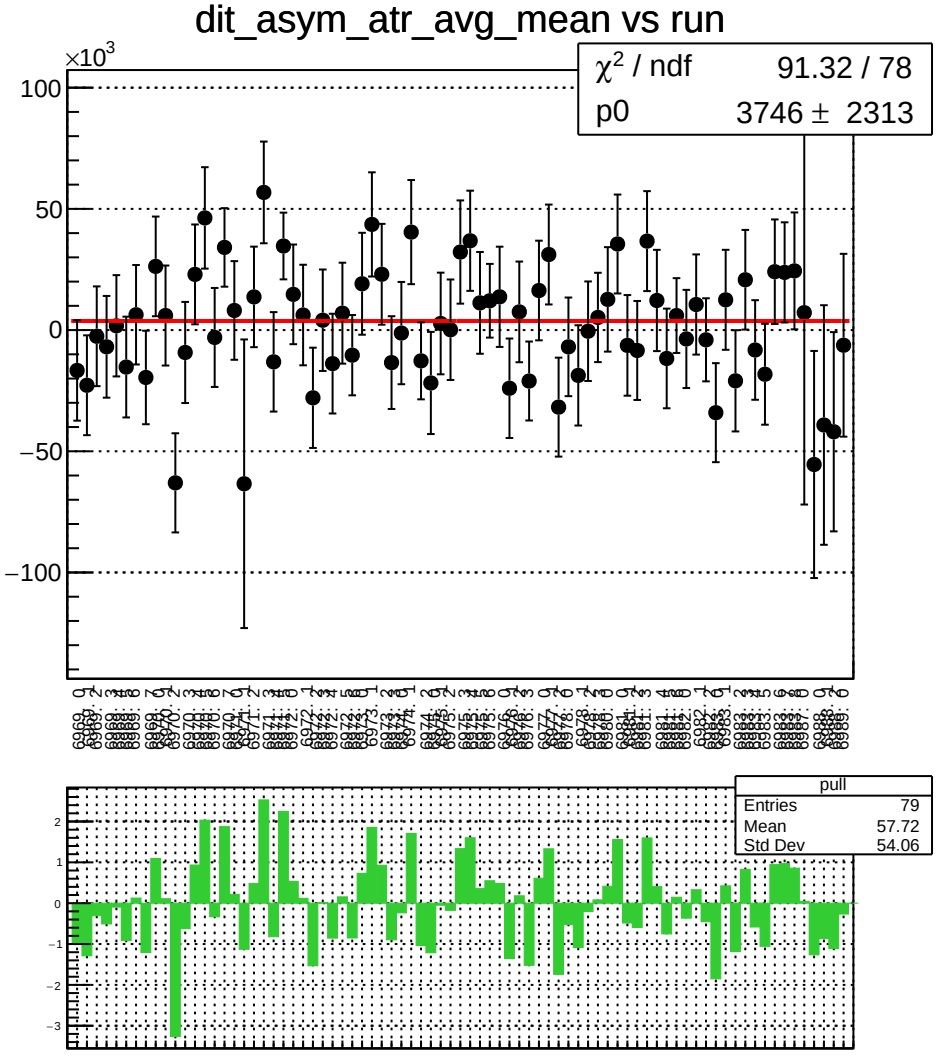

pull1D
Entries 79
Mean −0.01186
Std Dev 1.066
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

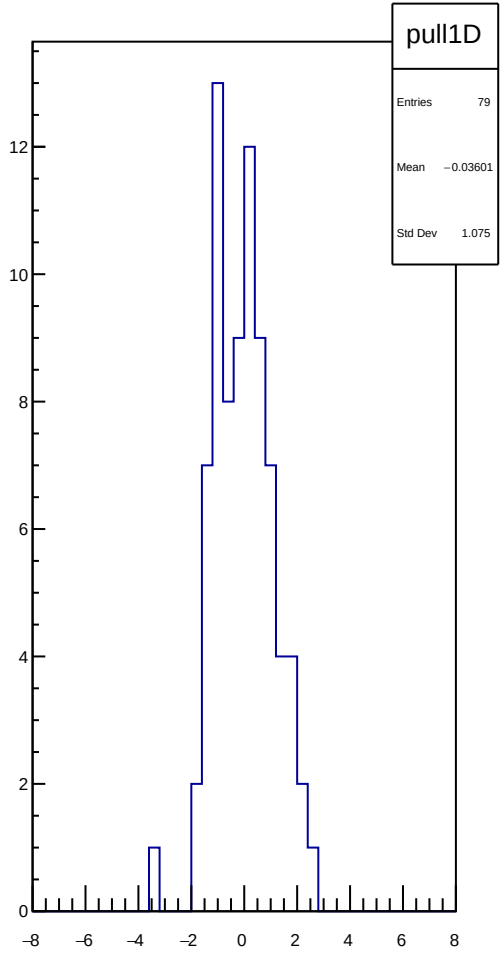

asym_atl_dd_correction_rms vs run
χ2 / ndf 1.709e+04 / 73
p0 7090 ± 5.923
10000
8000
6000
4000
2000
0

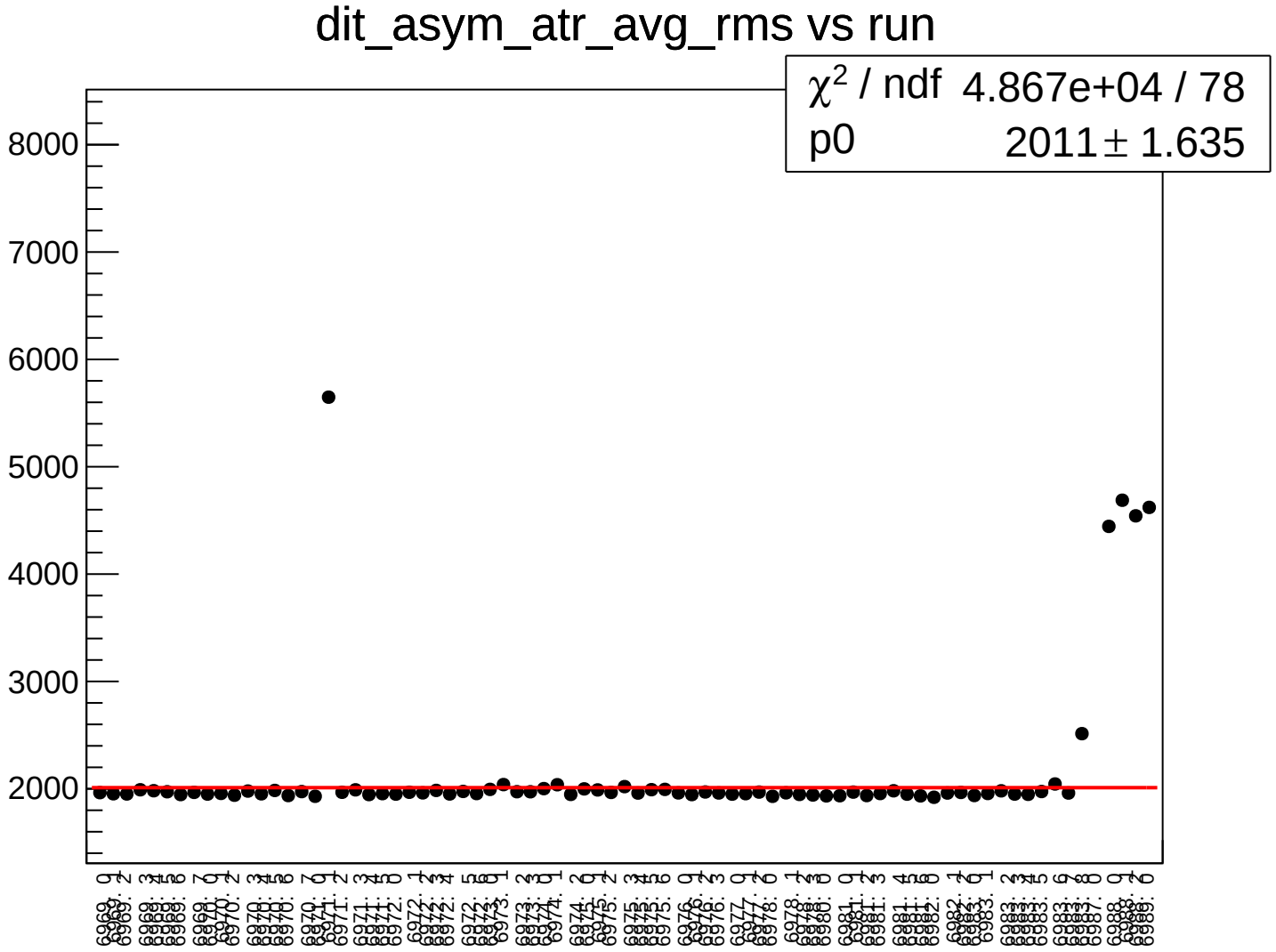

asym_atl_dd_mean vs run
×10^3
χ² / ndf 87.91 / 78
p0 −1.219e+04 ± 7986
pull
Entries 79
Mean −59.89
Std Dev 107.6

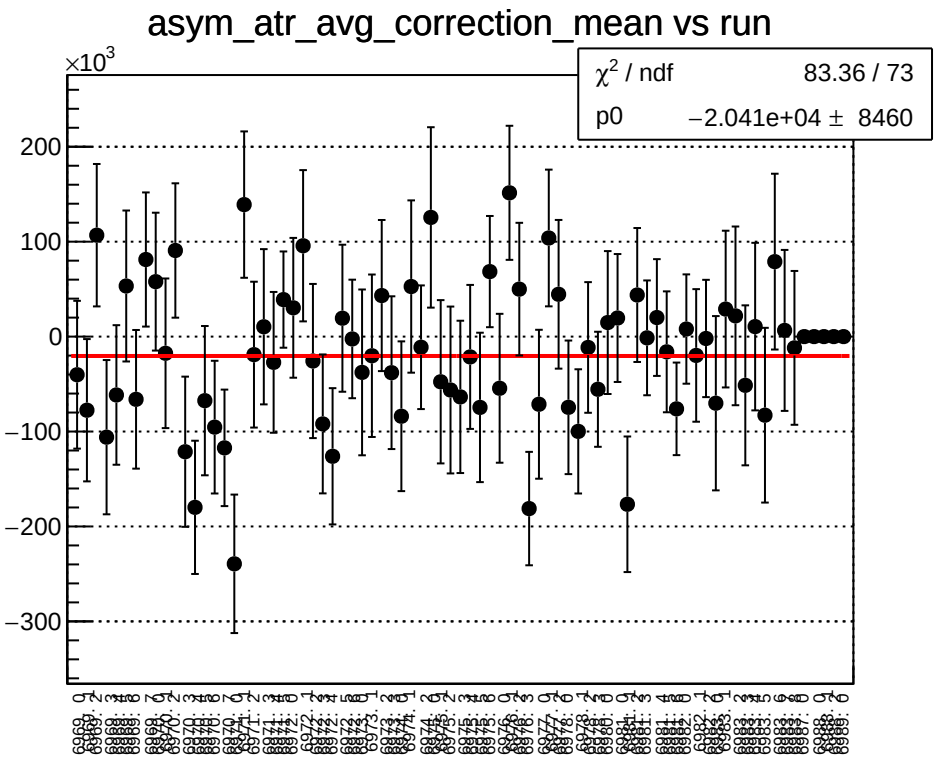

pull1D
Entries 79
Mean −0.01678
Std Dev 1.055

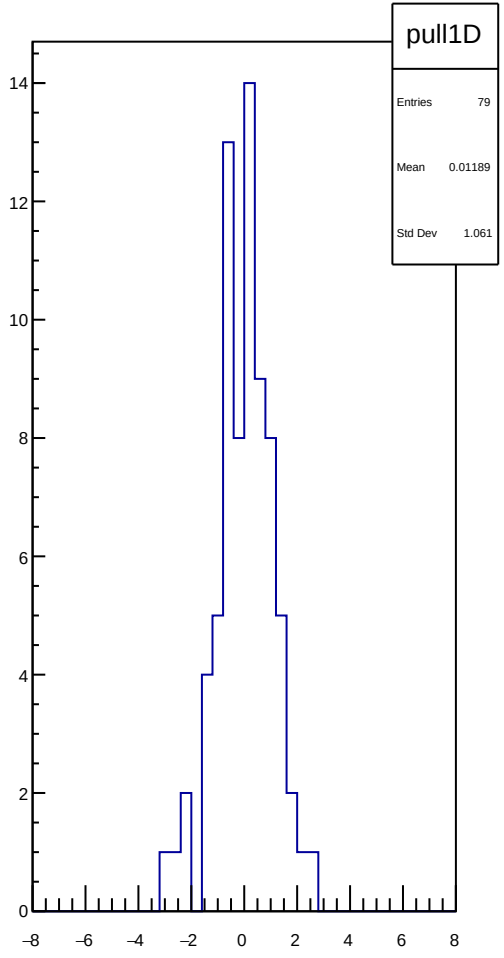

asym_atl_dd_rms vs run
χ^2 / ndf 4.153e+04 / 78
p0 6959 ± 5.647
9000
8000
7000
6000
5000

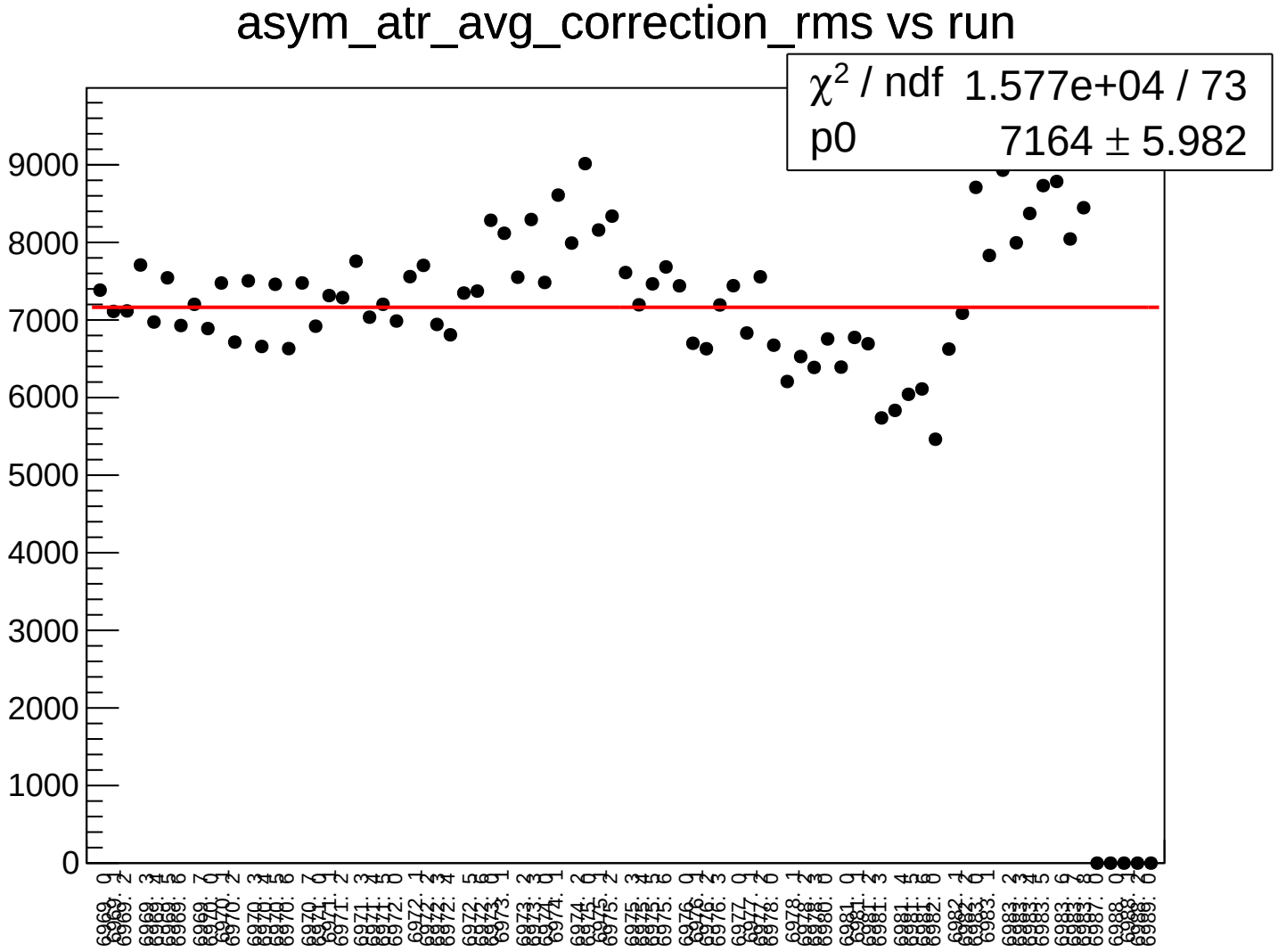

dit_asym_atr_avg_mean vs run
×10^3
χ² / ndf 91.32 / 78
p0 3746 ± 2313
pull
Entries 79
Mean 57.72
Std Dev 54.06

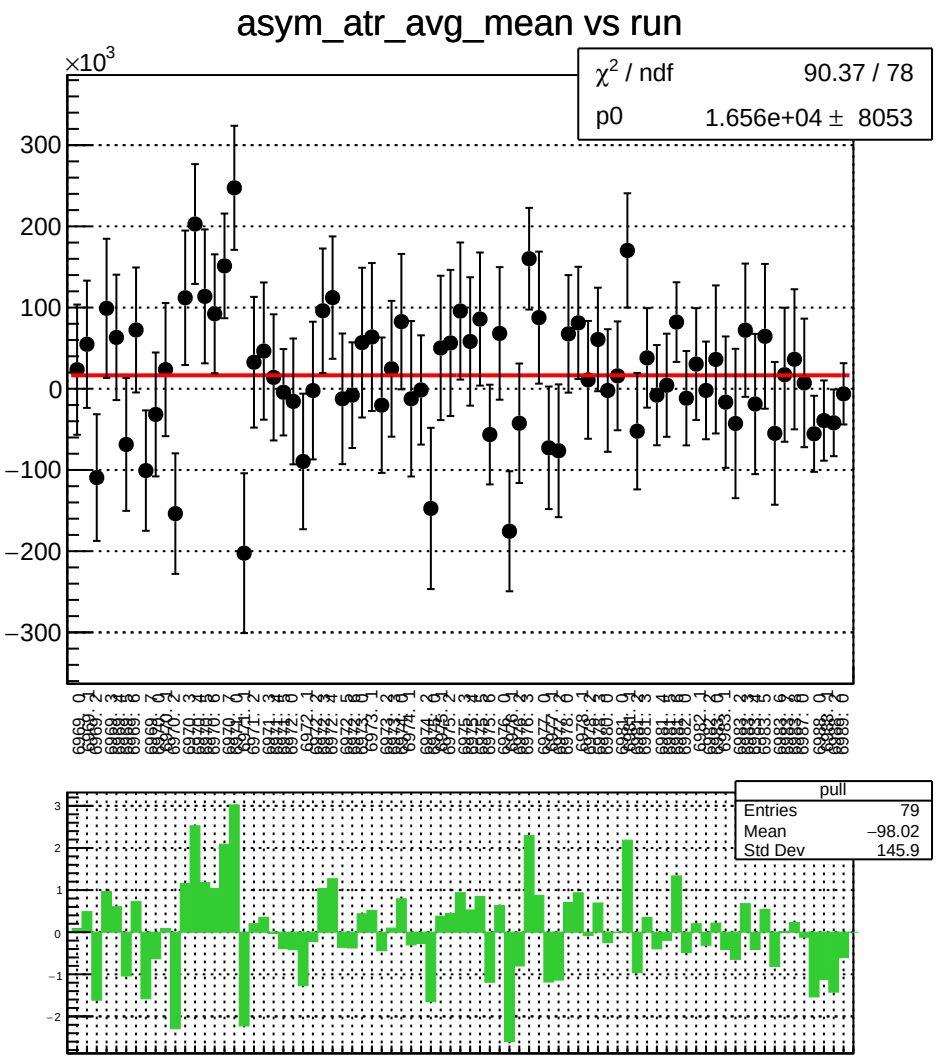

pull1D
Entries 79
Mean −0.03601
Std Dev 1.075

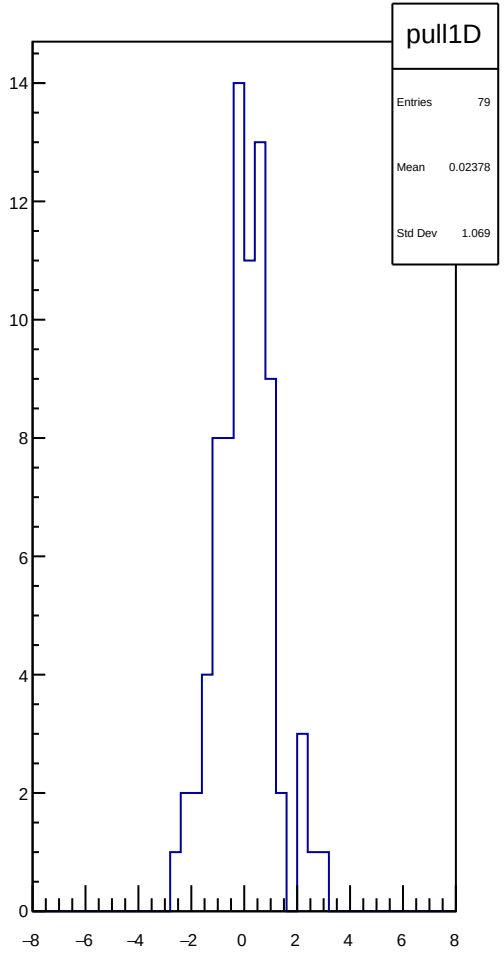

dit_asym_atr_avg_rms vs run
χ^2 / ndf 4.867e+04 / 78
p0 2011 ± 1.635
8000
7000
6000
5000
4000
3000
2000

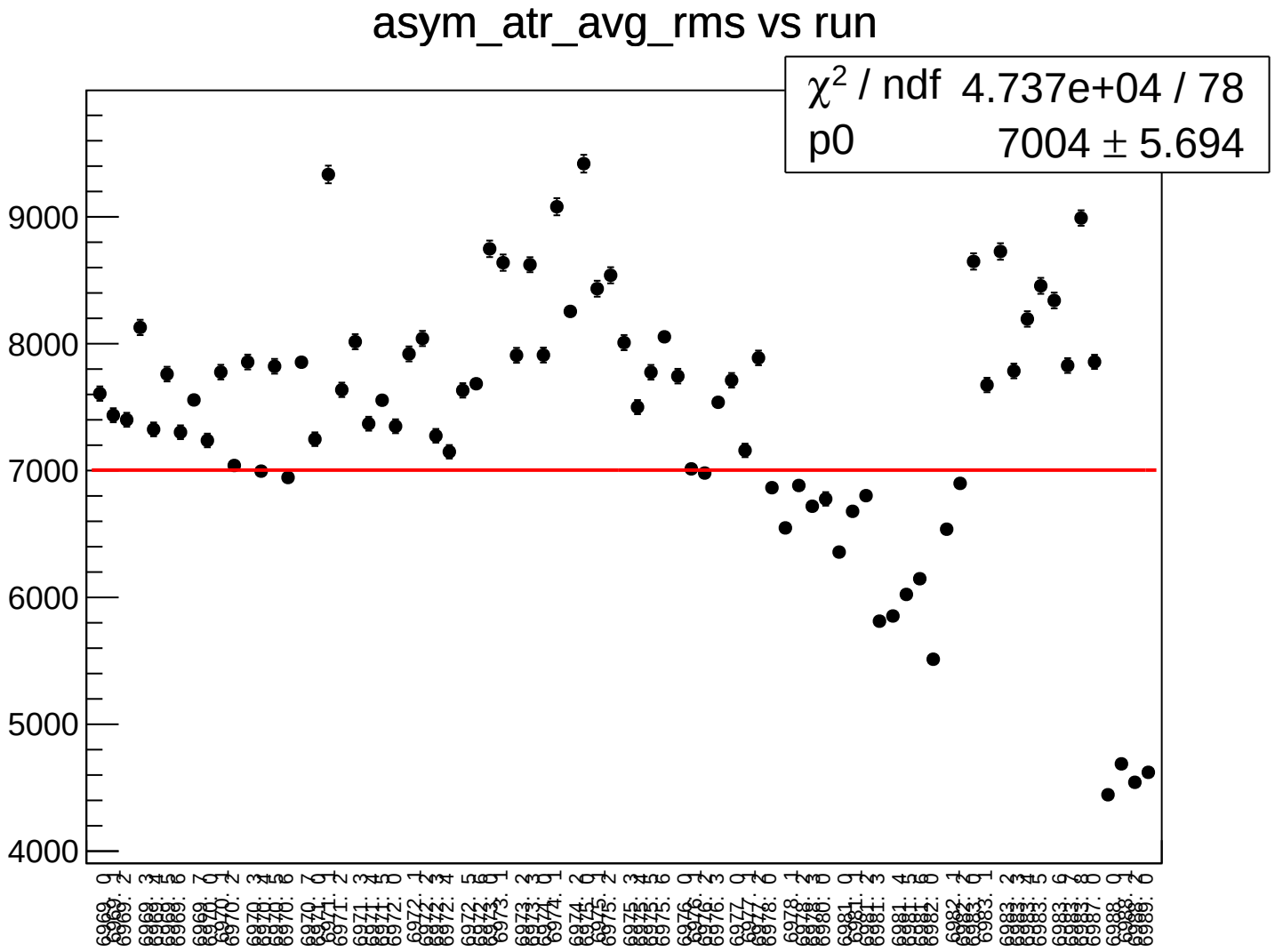

asym_atr_avg_correction_mean vs run
×10^3
χ^2 / ndf 83.36 / 73
p0 −2.041e+04 ± 8460
200
100
0
−100
−200
−300

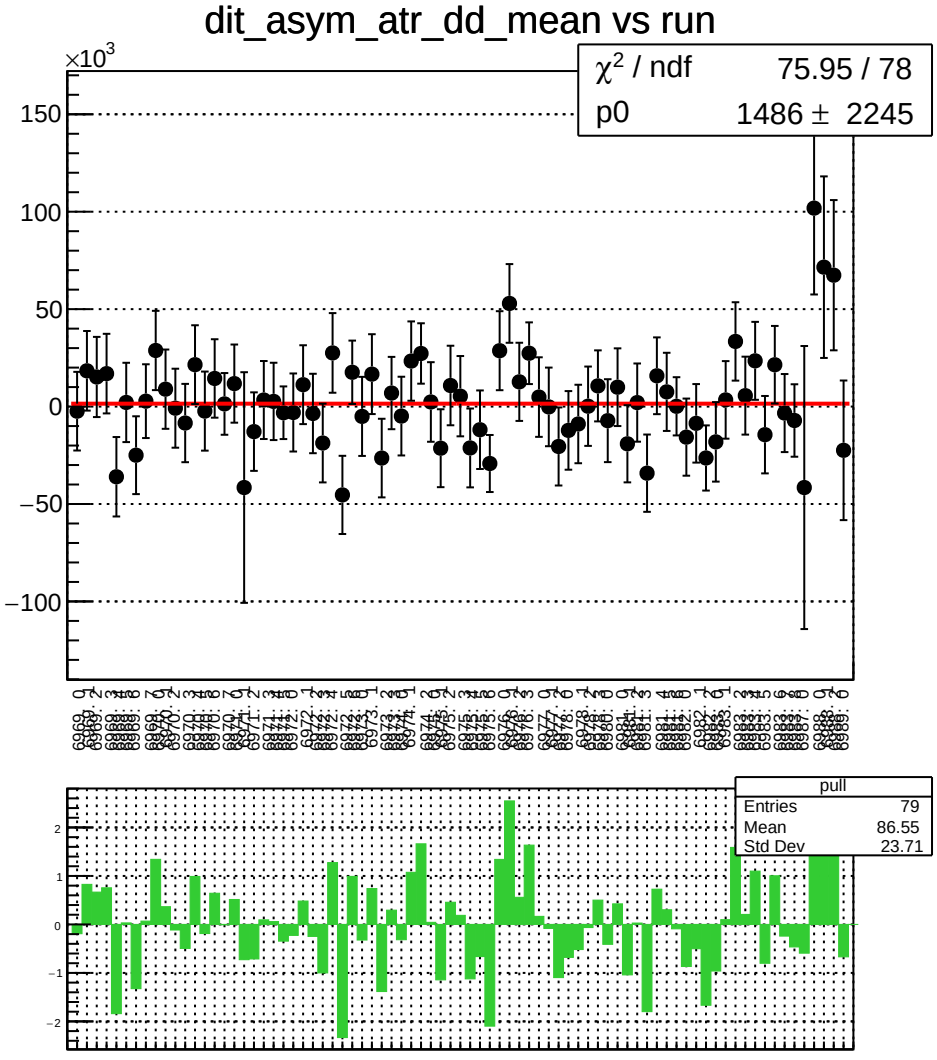

pull1D
Entries 79
Mean 0.01189
Std Dev 1.061
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

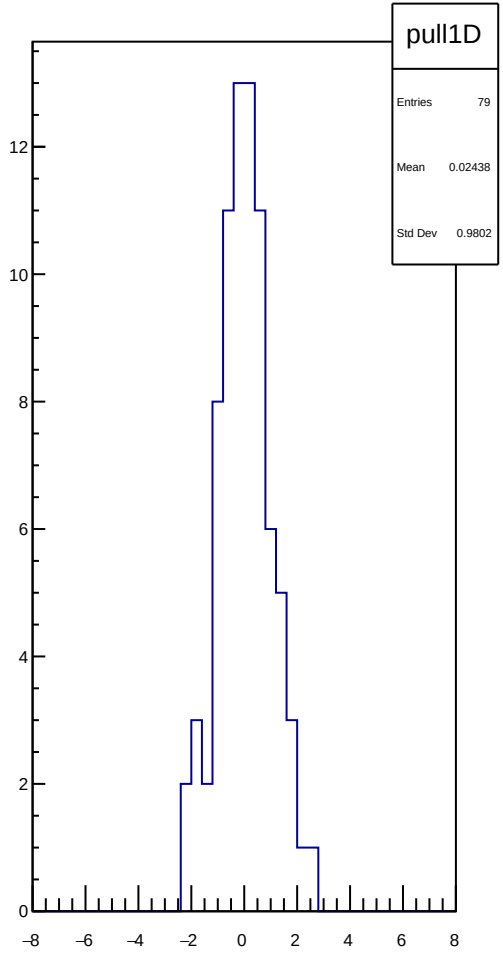

asym_atr_avg_correction_rms vs run
χ^2 / ndf 1.577e+04 / 73
p0 7164 ± 5.982
9000
8000
7000
6000
5000
4000
3000
2000
1000
0

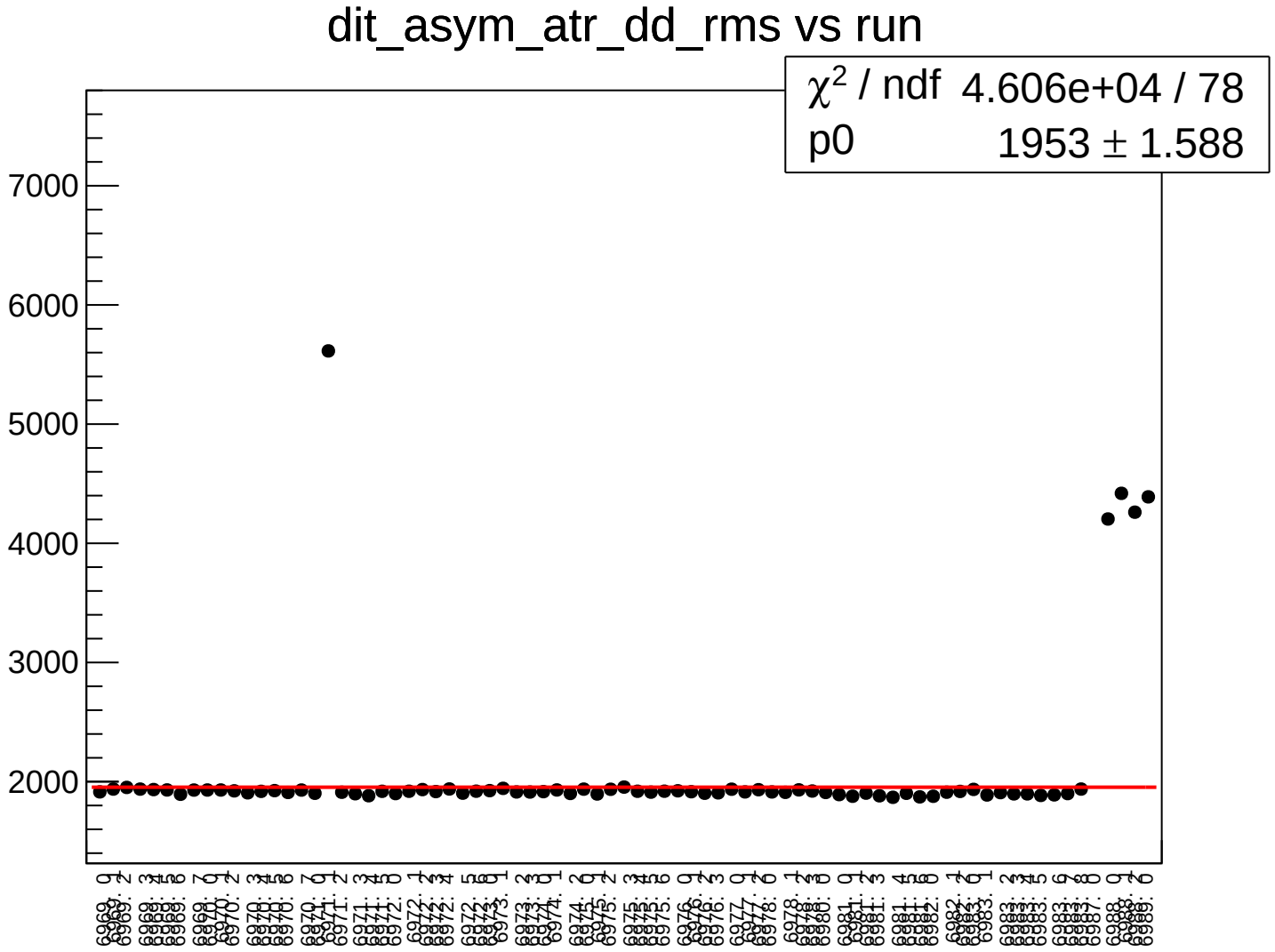

asym_atr_avg_mean vs run
×10^3
χ² / ndf 90.37 / 78
p0 1.656e+04 ± 8053
pull
Entries 79
Mean −98.02
Std Dev 145.9

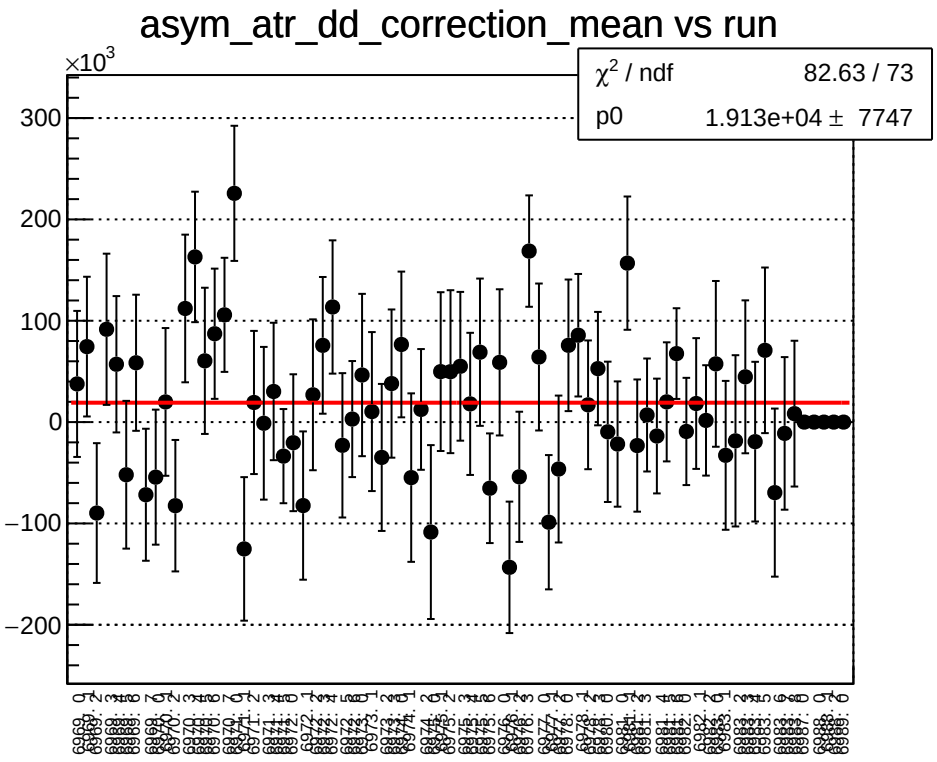

pull1D
Entries 79
Mean 0.02378
Std Dev 1.069

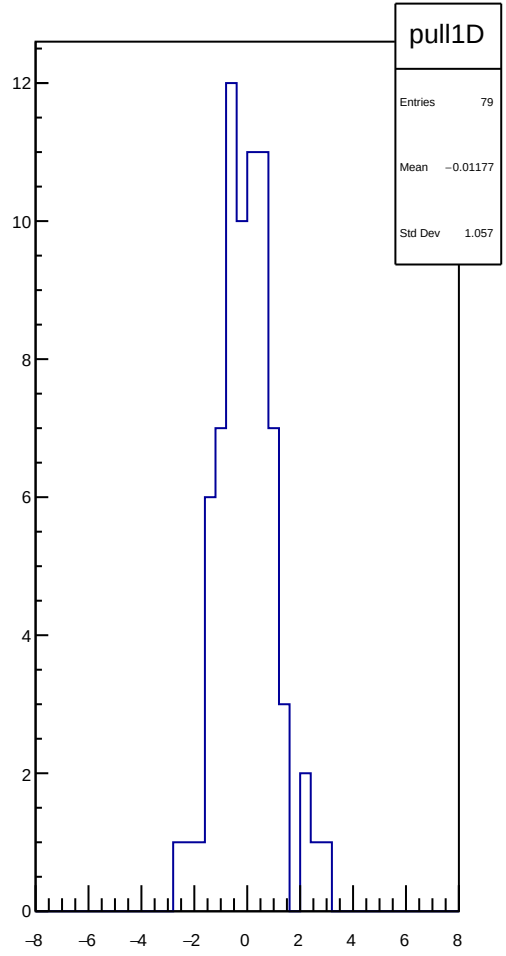

asym_atr_avg_rms vs run
χ^2 / ndf 4.737e+04 / 78
p0 7004 ± 5.694
9000
8000
7000
6000
5000
4000

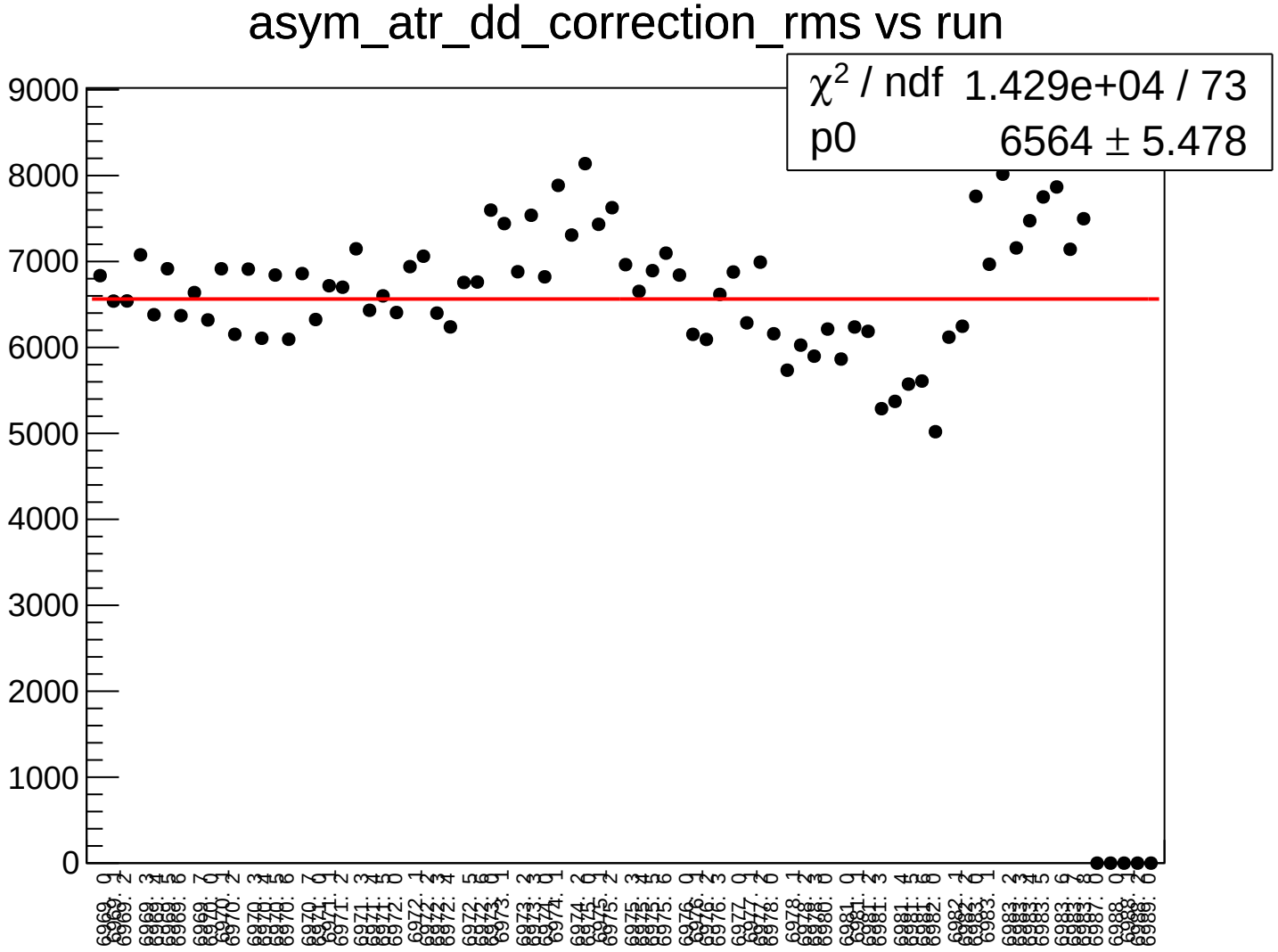

dit_asym_atr_dd_mean vs run
×10^3
χ^2 / ndf 75.95 / 78
p0 1486 ± 2245
150
100
50
0
−50
−100
pull
Entries 79
Mean 86.55
Std Dev 23.71
2
1
0
−1
−2

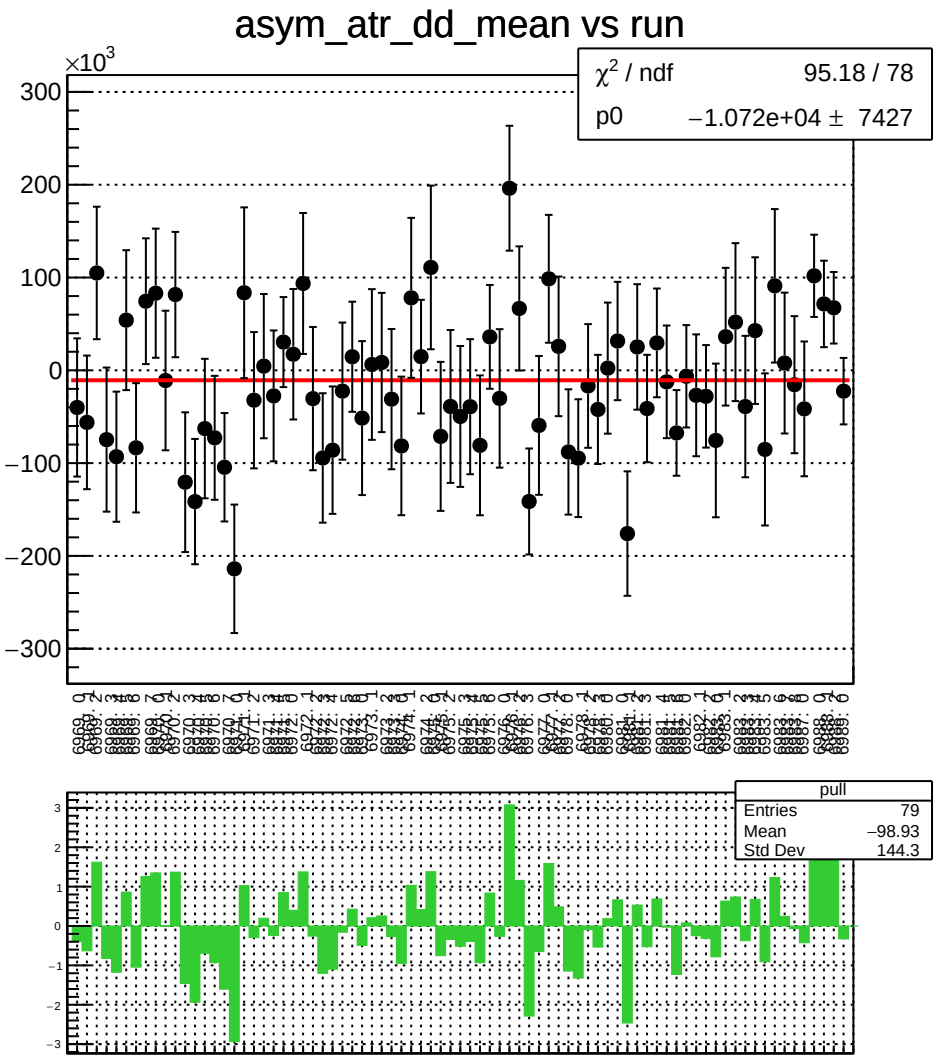

pull1D
Entries 79
Mean 0.02438
Std Dev 0.9802
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

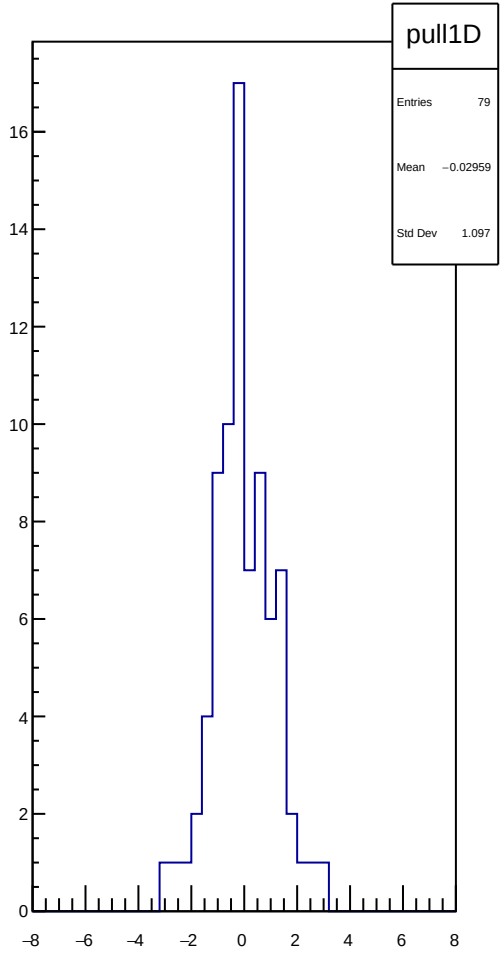

dit_asym_atr_dd_rms vs run
χ² / ndf 4.606e+04 / 78
p0 1953 ± 1.588
7000
6000
5000
4000
3000
2000

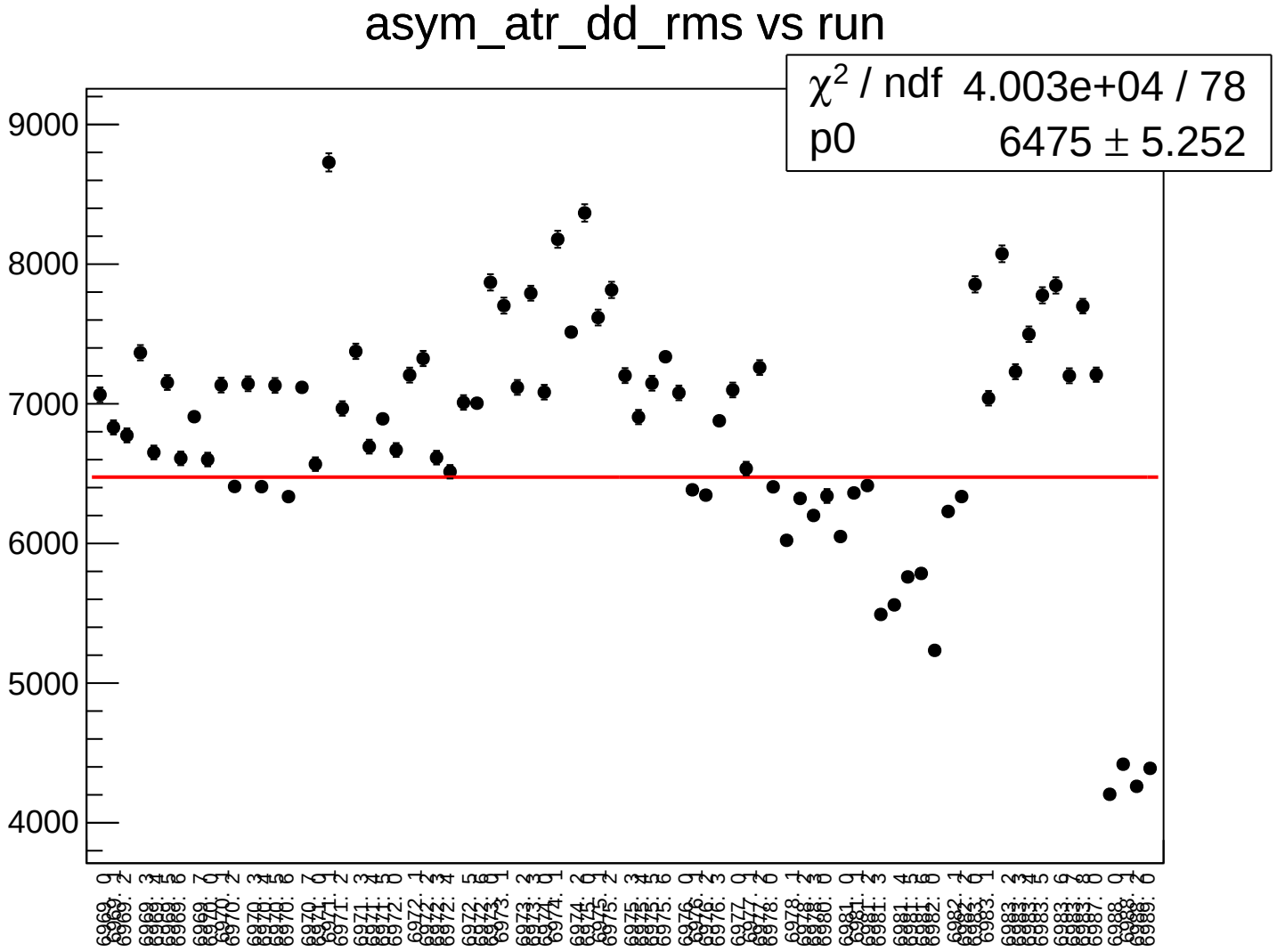

asym_atr_dd_correction_mean vs run
×10^3
χ^2 / ndf 82.63 / 73
p0 1.913e+04 ± 7747
300
200
100
0
−100
−200

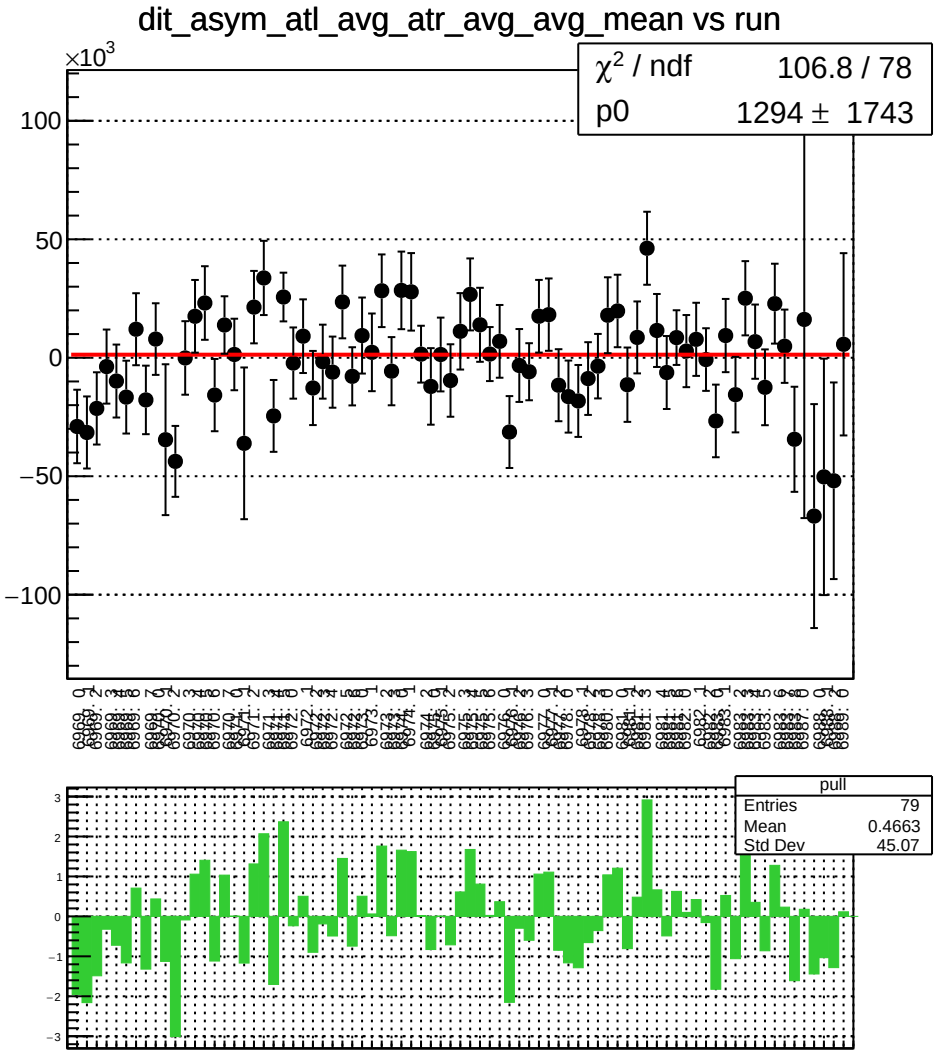

pull1D
Entries 79
Mean −0.01177
Std Dev 1.057
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

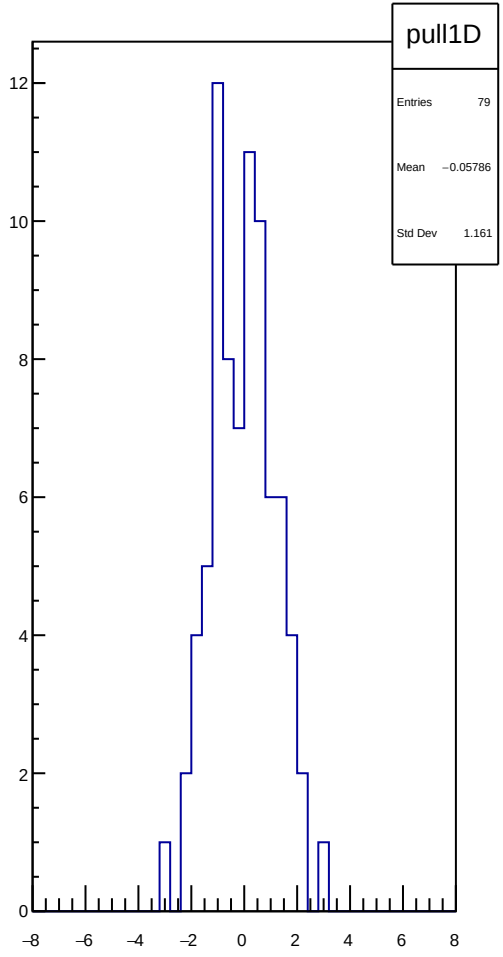

asym_atr_dd_correction_rms vs run
χ^2 / ndf 1.429e+04 / 73
p0 6564 ± 5.478
9000
8000
7000
6000
5000
4000
3000
2000
1000
0

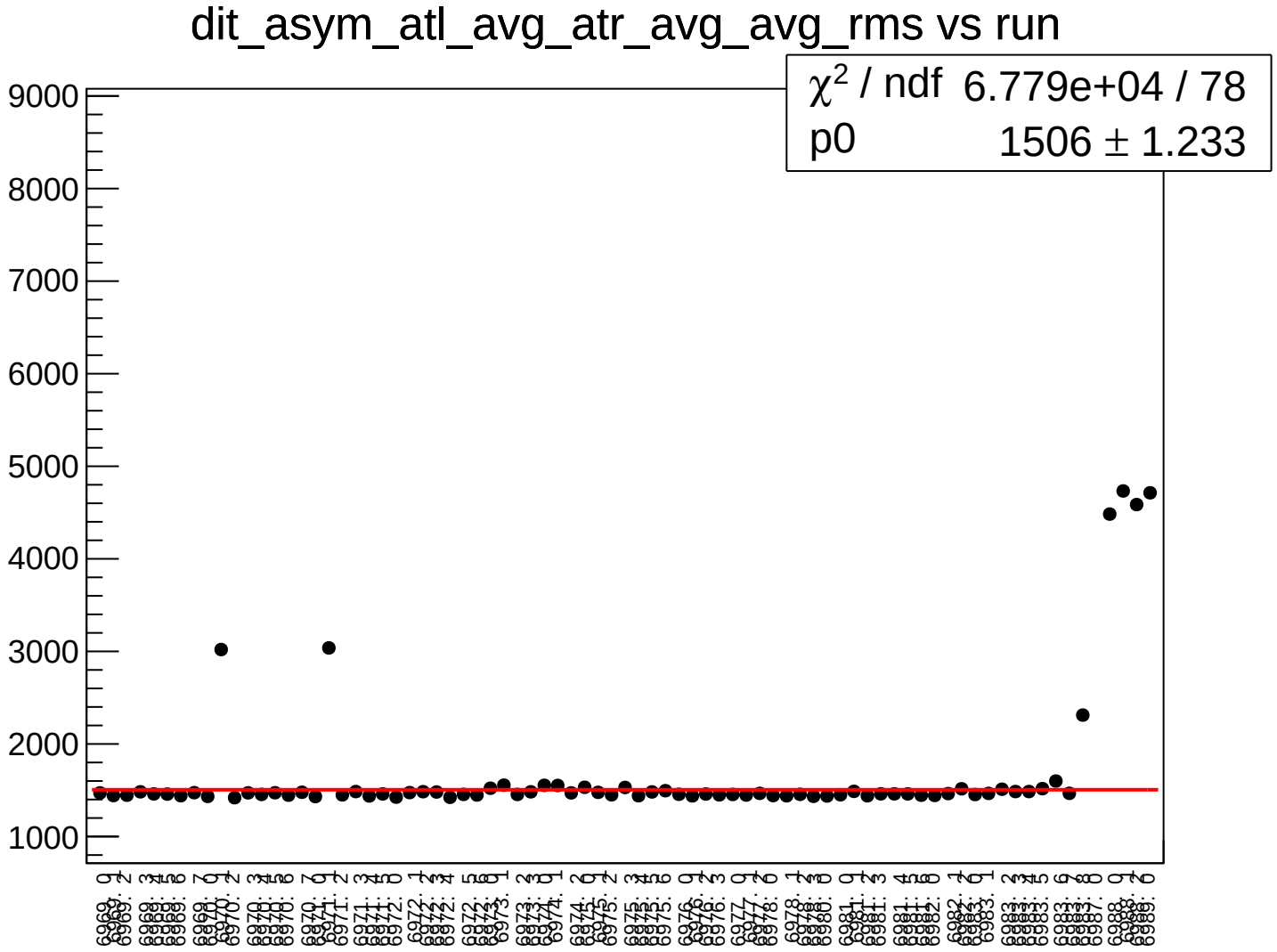

asym_atr_dd_mean vs run
×10^3
χ² / ndf 95.18 / 78
p0 −1.072e+04 ± 7427
pull
Entries 79
Mean −98.93
Std Dev 144.3

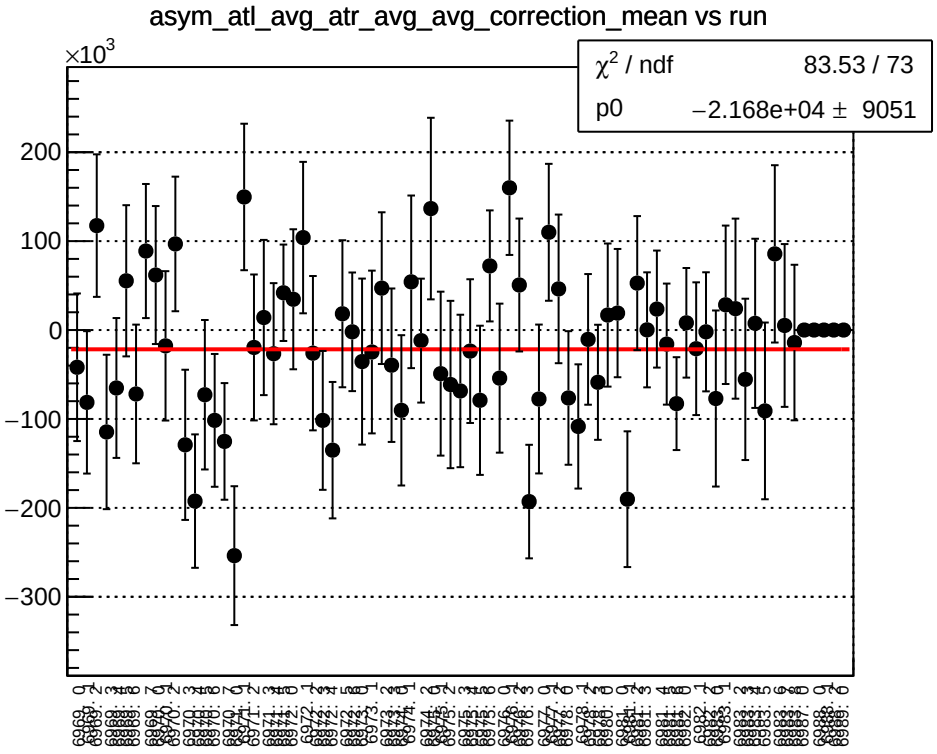

pull1D
Entries 79
Mean −0.02959
Std Dev 1.097

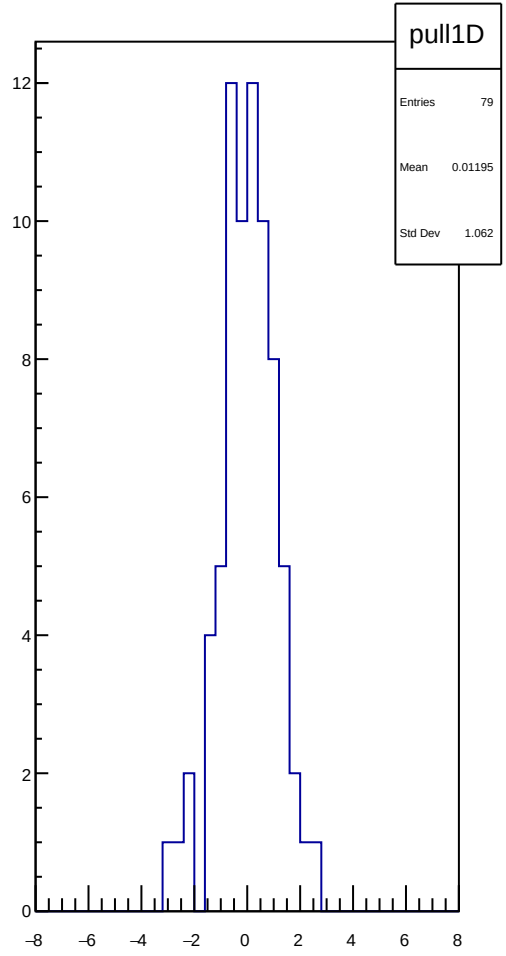

asym_atr_dd_rms vs run
χ² / ndf 4.003e+04 / 78
p0 6475 ± 5.252
9000
8000
7000
6000
5000
4000

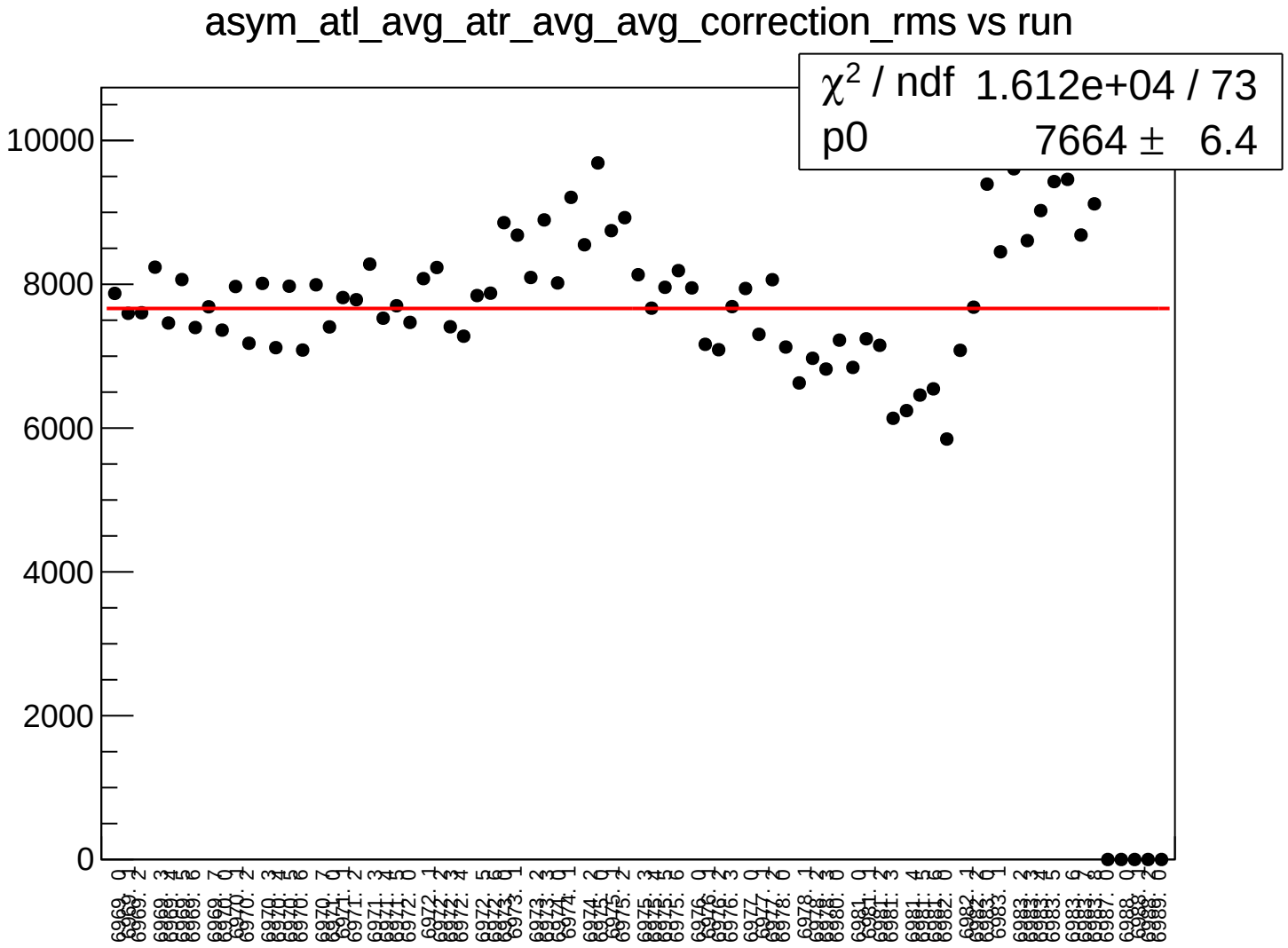

dit_asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 106.8 / 78
p0 1294 ± 1743
pull
Entries 79
Mean 0.4663
Std Dev 45.07

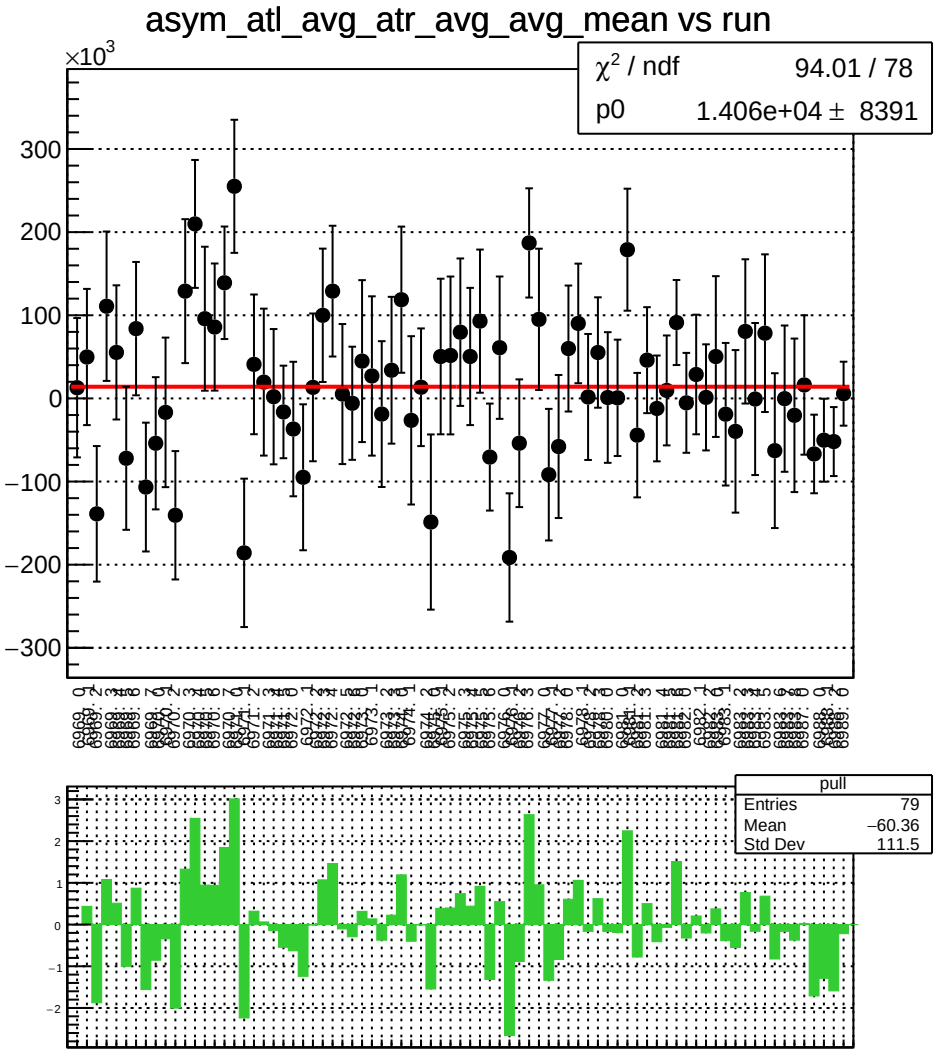

pull1D
Entries 79
Mean −0.05786
Std Dev 1.161

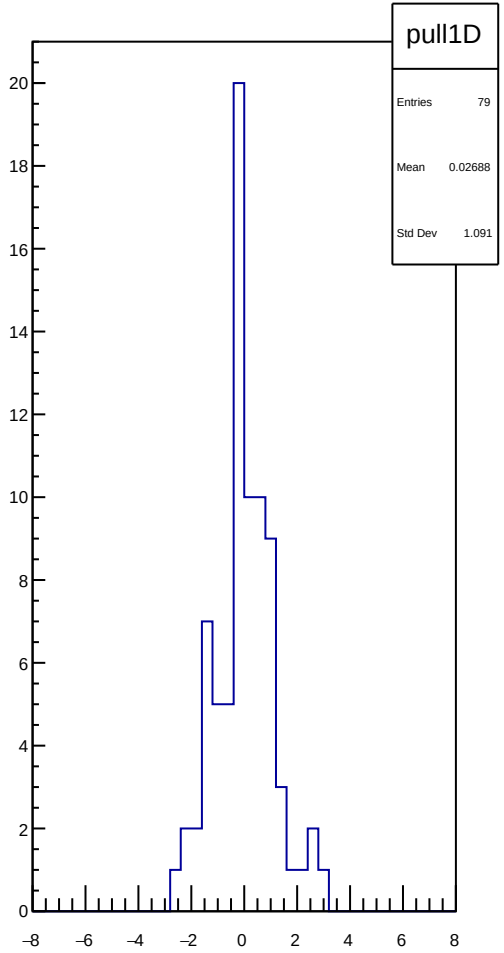

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ^2 / ndf 6.779e+04 / 78
p0 1506 ± 1.233
9000
8000
7000
6000
5000
4000
3000
2000
1000

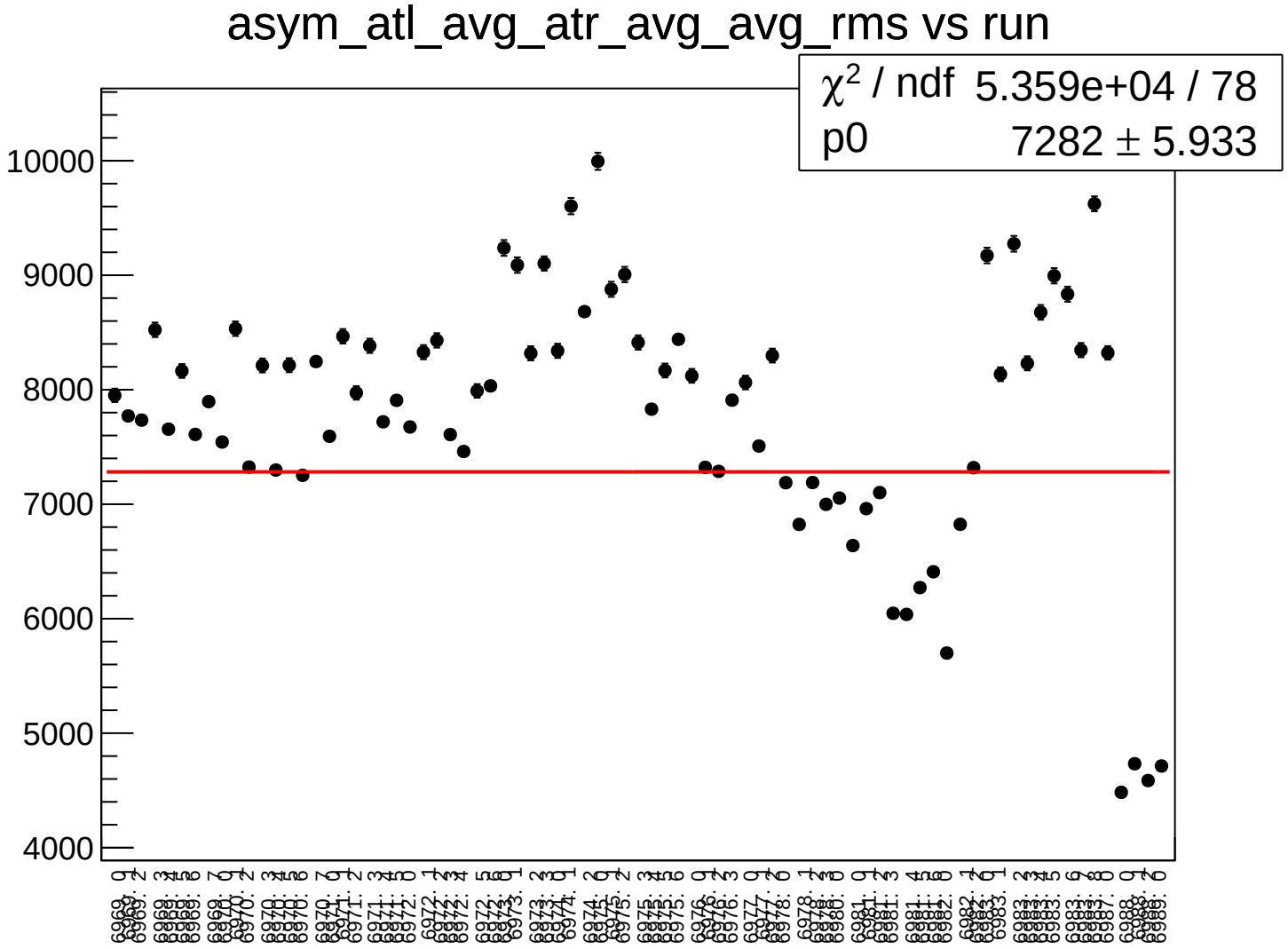

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 83.53 / 73
p0 −2.168e+04 ± 9051
200
100
0
−100
−200
−300

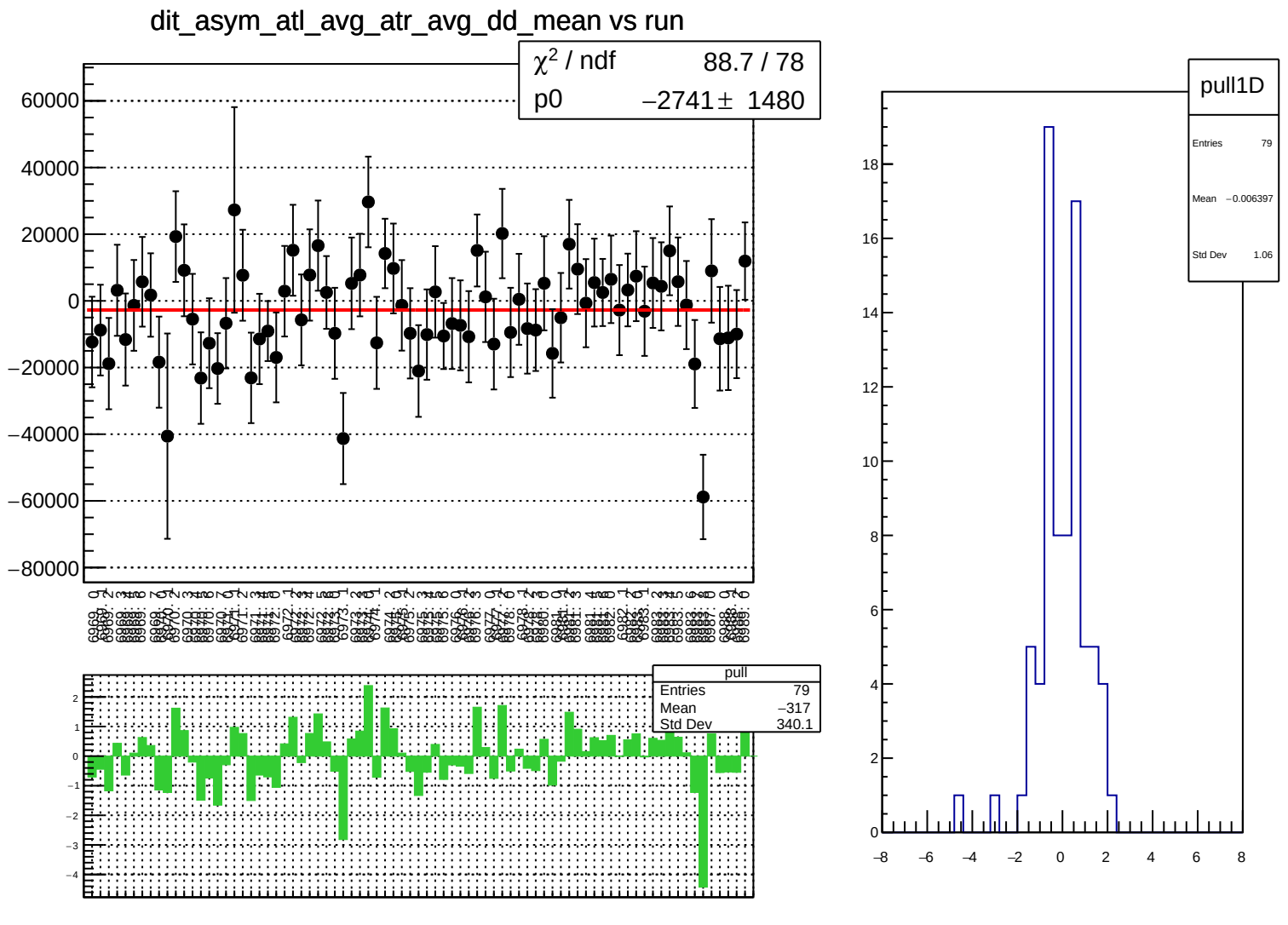

pull1D
Entries 79
Mean 0.01195
Std Dev 1.062
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

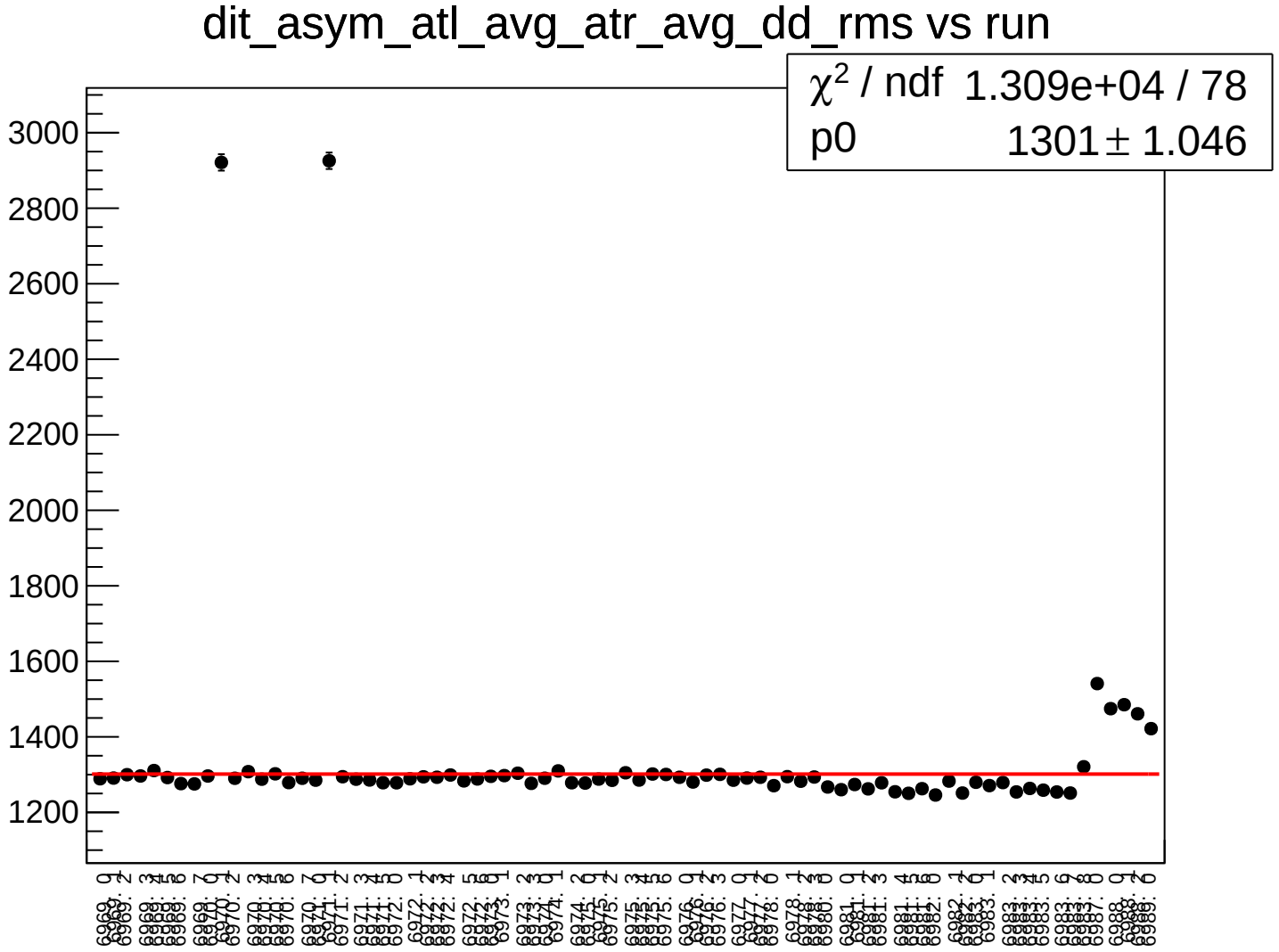

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ2 / ndf 1.612e+04 / 73
p0 7664 ± 6.4
10000
8000
6000
4000
2000
0

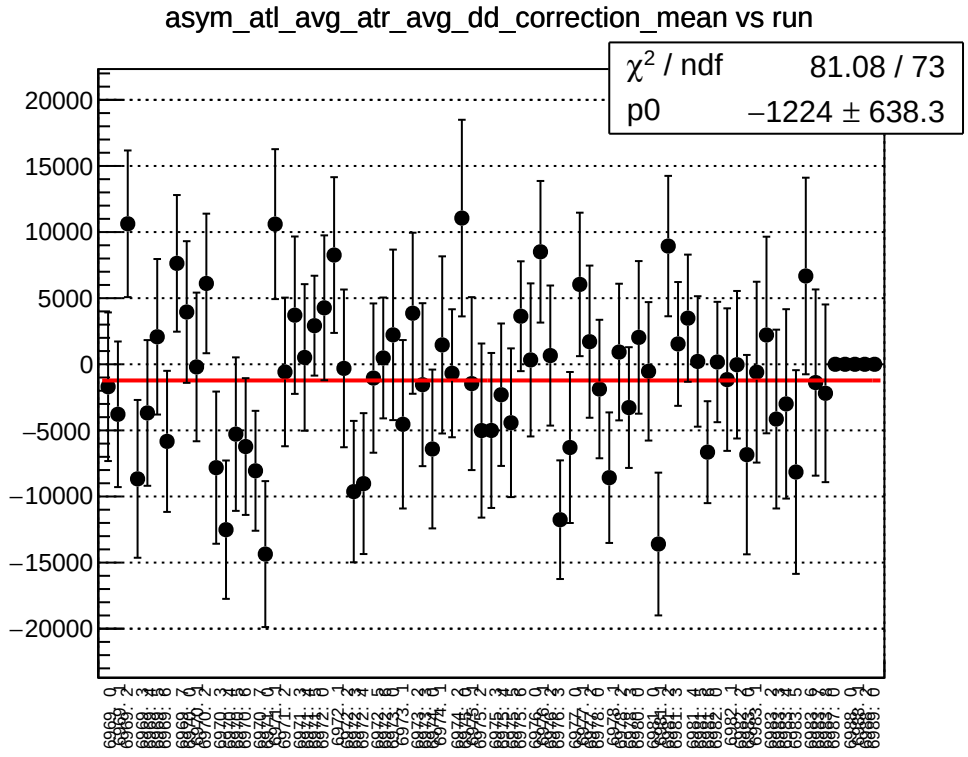

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 94.01 / 78
p0 1.406e+04 ± 8391
pull
Entries 79
Mean −60.36
Std Dev 111.5

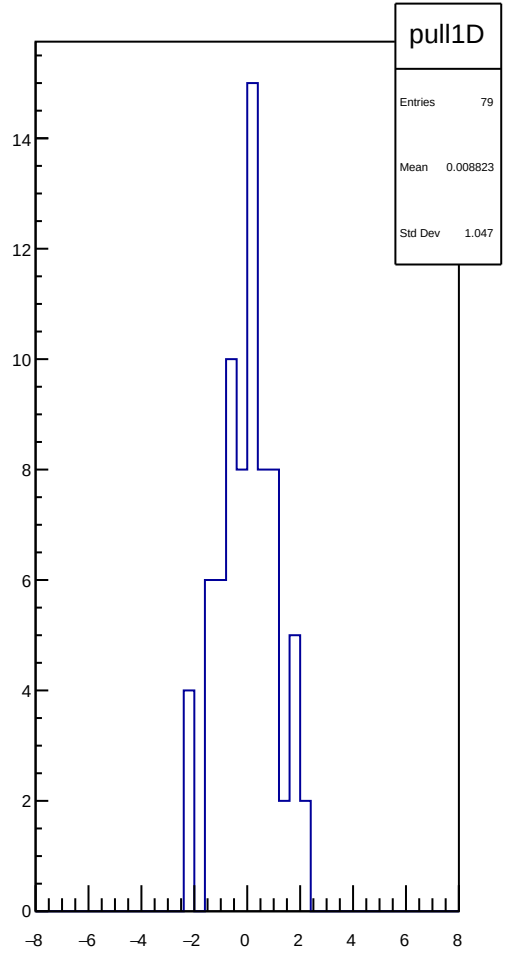

pull1D
Entries 79
Mean 0.02688
Std Dev 1.091

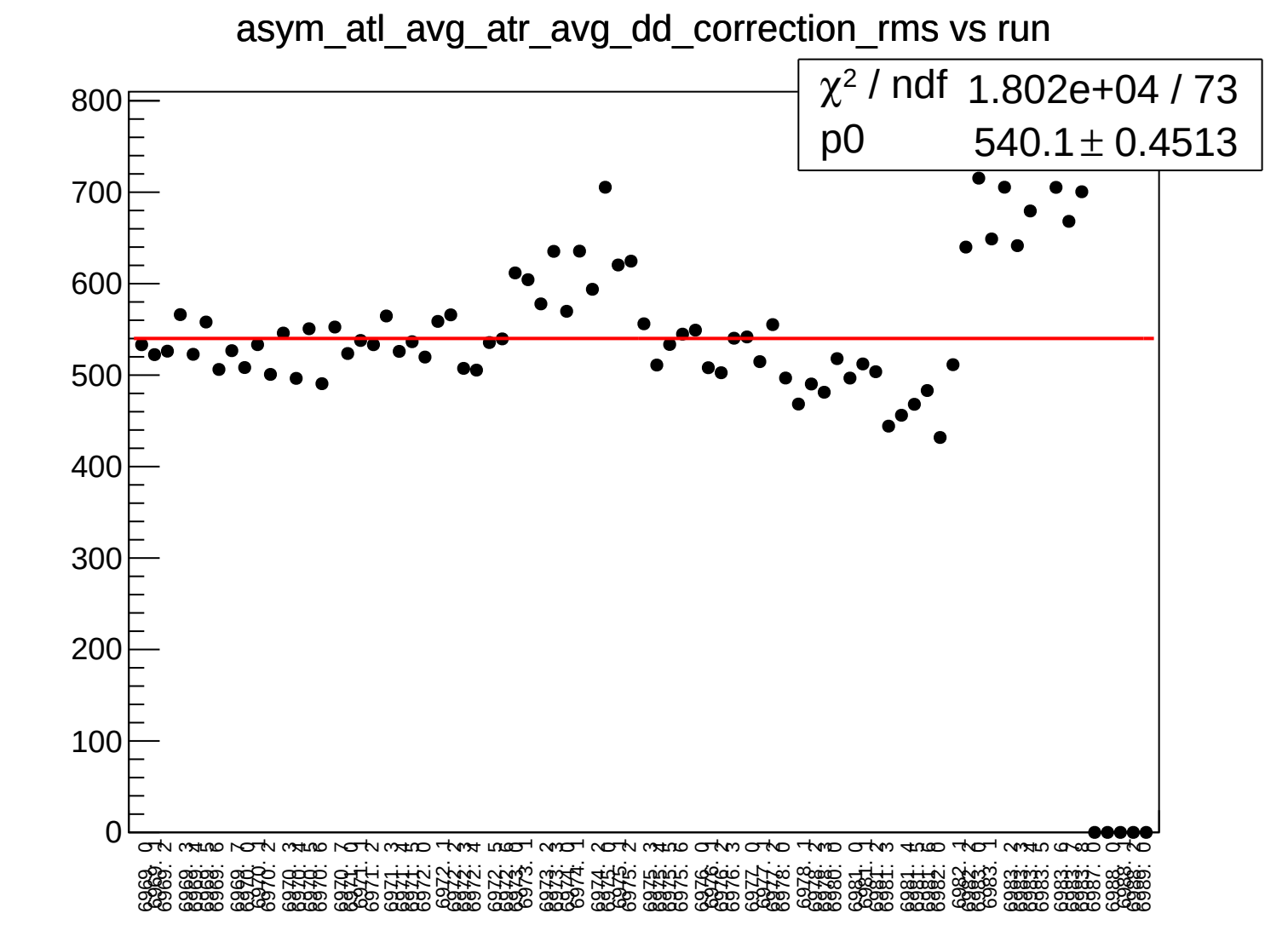

asym_atl_avg_atr_avg_avg_rms vs run
χ^2 / ndf 5.359e+04 / 78
p0 7282 ± 5.933
10000
9000
8000
7000
6000
5000
4000

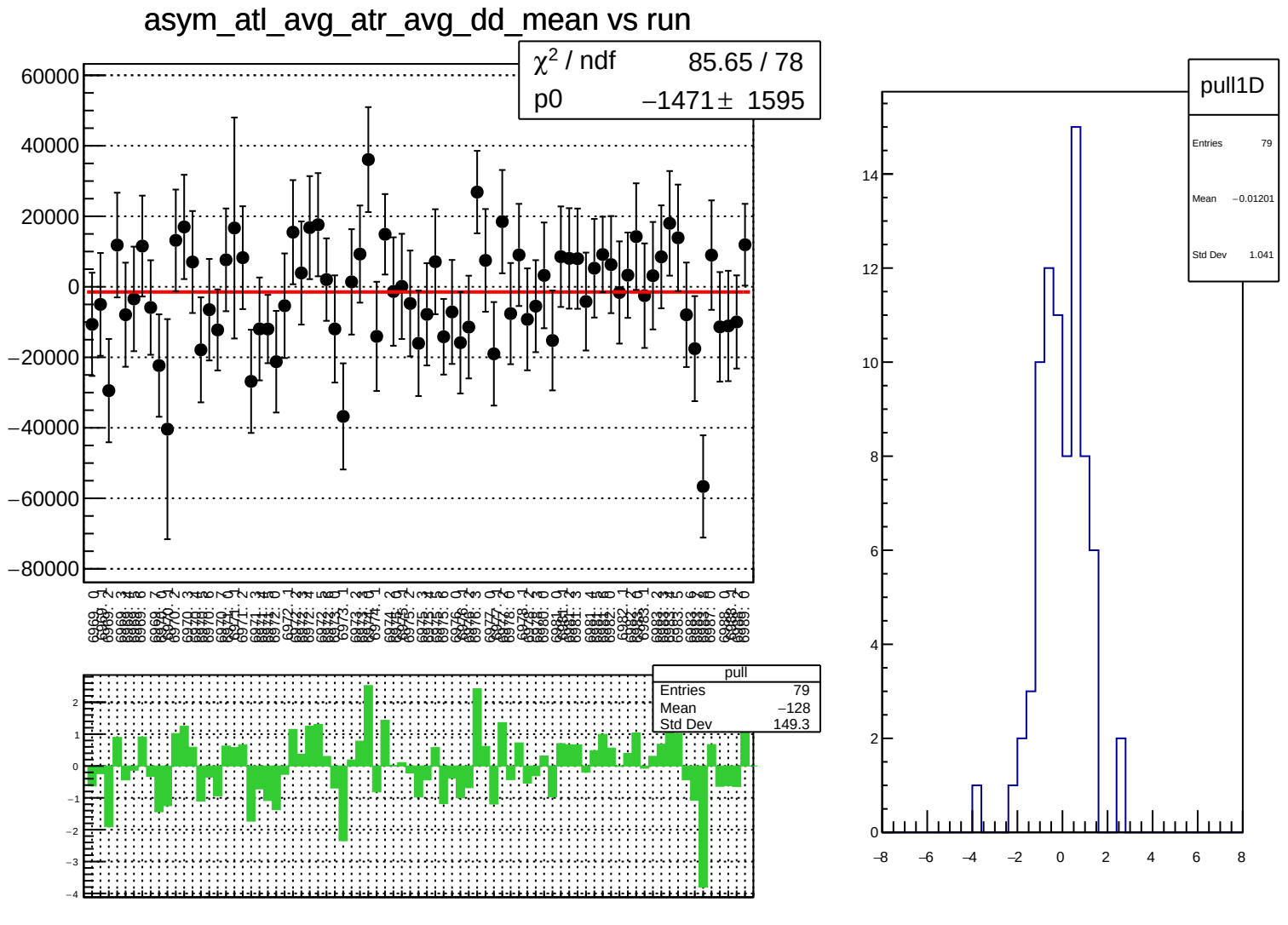

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ2 / ndf 88.7 / 78
p0 −2741 ± 1480
pull
Entries 79
Mean −317
Std Dev 340.1
pull1D
Entries 79
Mean −0.006397
Std Dev 1.06

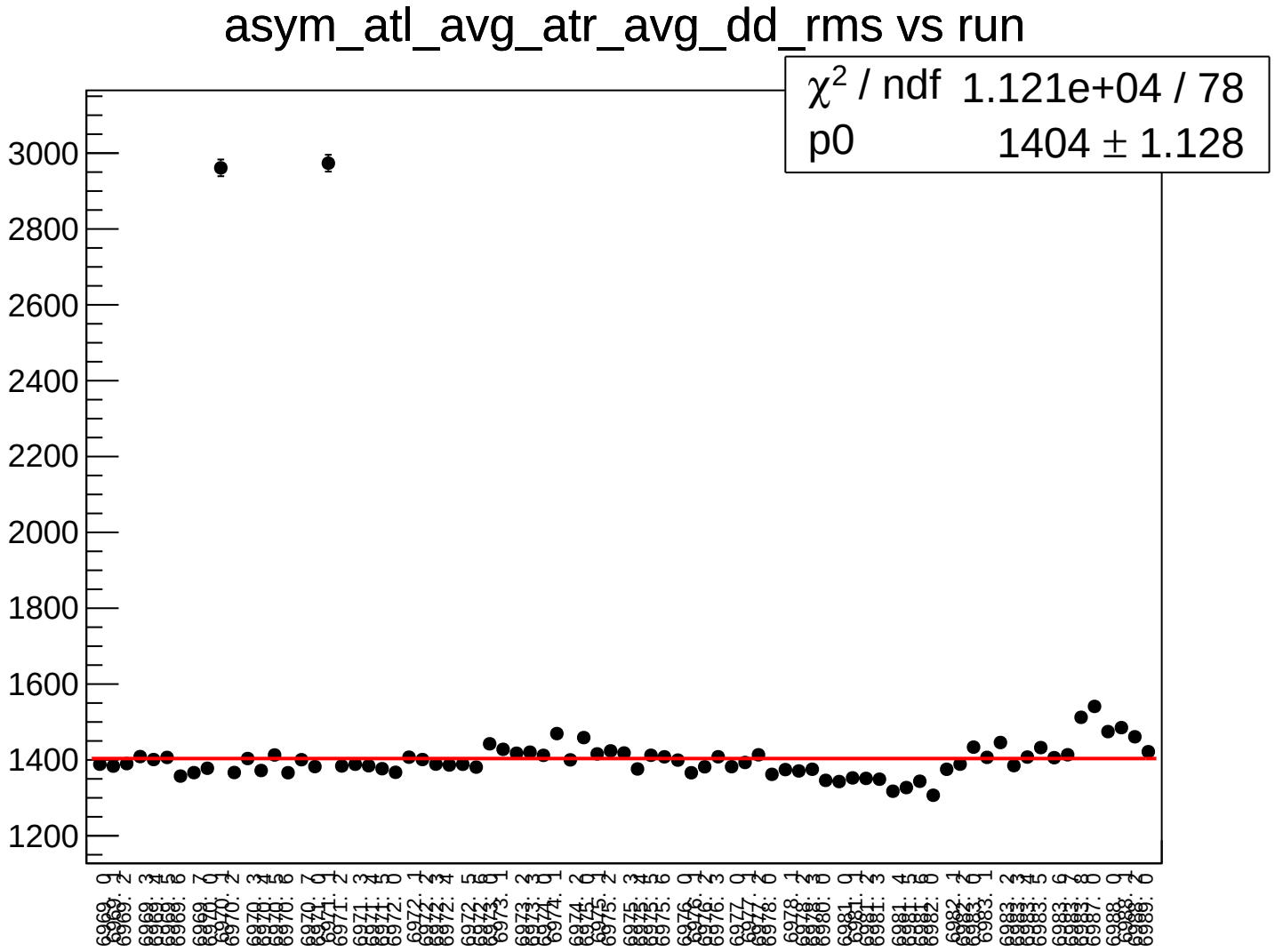

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ^2 / ndf 1.309e+04 / 78
p0 1301 ± 1.046
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

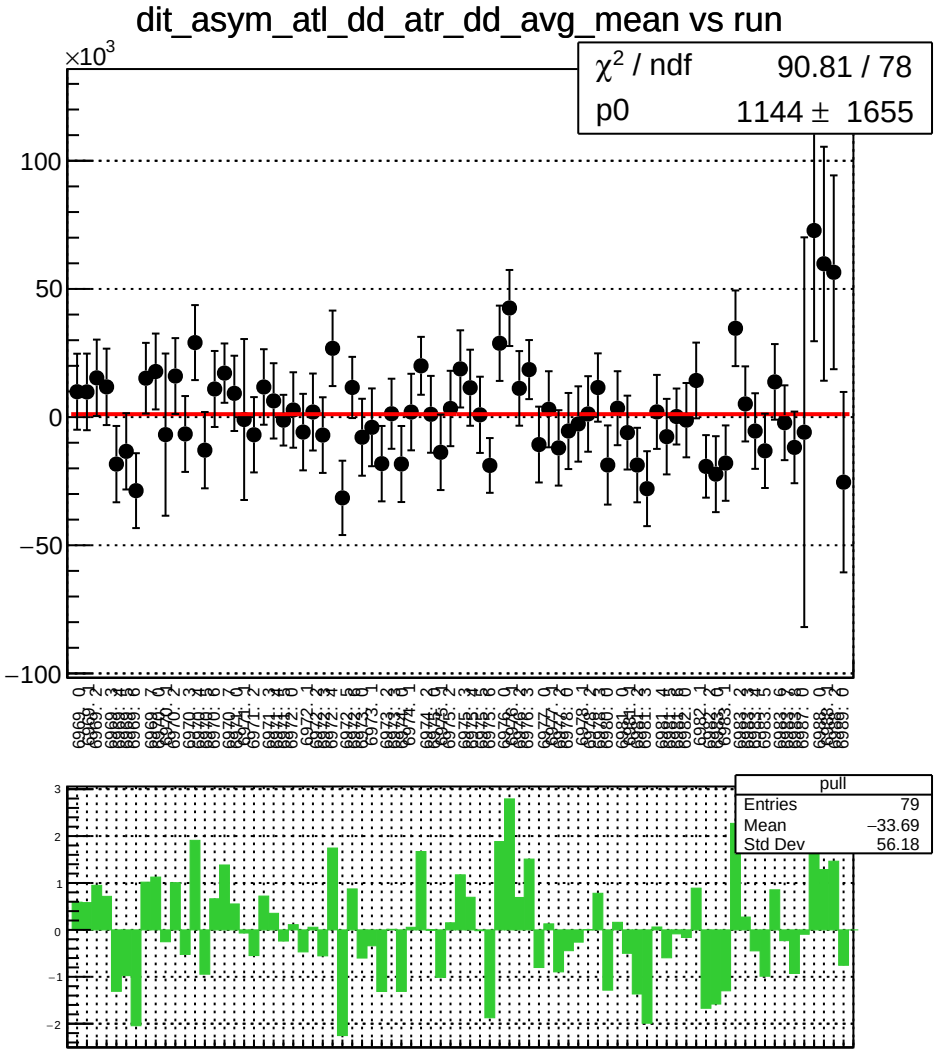

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 81.08 / 73
p0 −1224 ± 638.3
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000

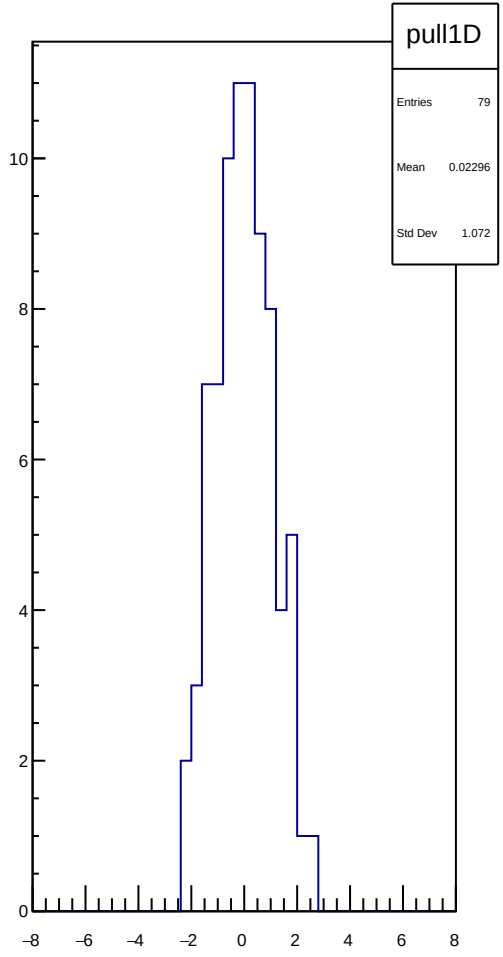

pull1D
Entries 79
Mean 0.008823
Std Dev 1.047
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 1.802e+04 / 73
p0 540.1 ± 0.4513
800
700
600
500
400
300
200
100
0

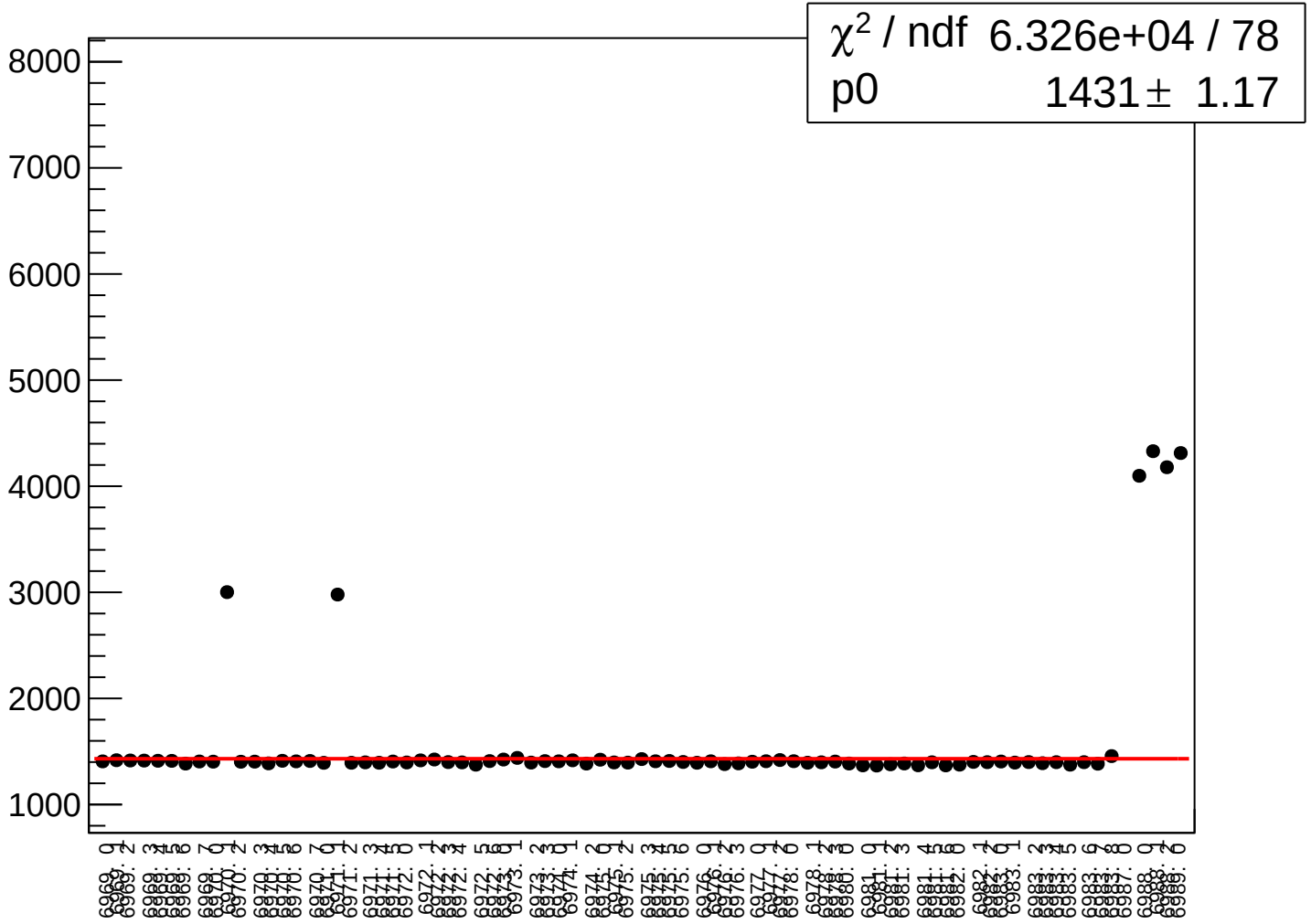

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 85.65 / 78
p0 −1471 ± 1595
pull
Entries 79
Mean −128
Std Dev 149.3
pull1D
Entries 79
Mean −0.01201
Std Dev 1.041

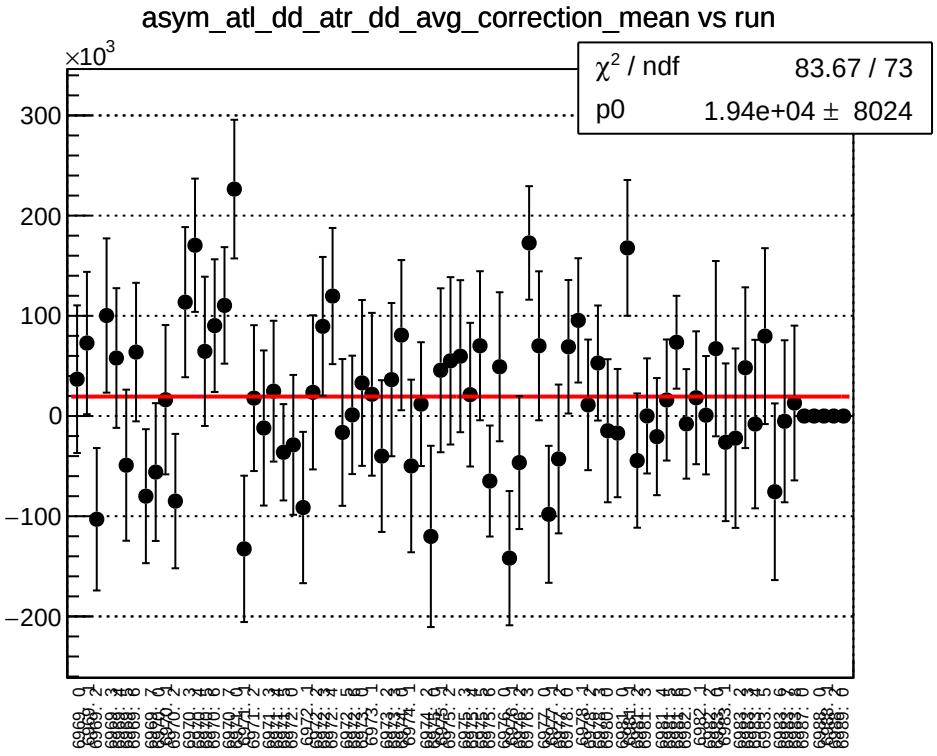

asym_atl_avg_atr_avg_dd_rms vs run
χ^2 / ndf 1.121e+04 / 78
p0 1404 ± 1.128
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

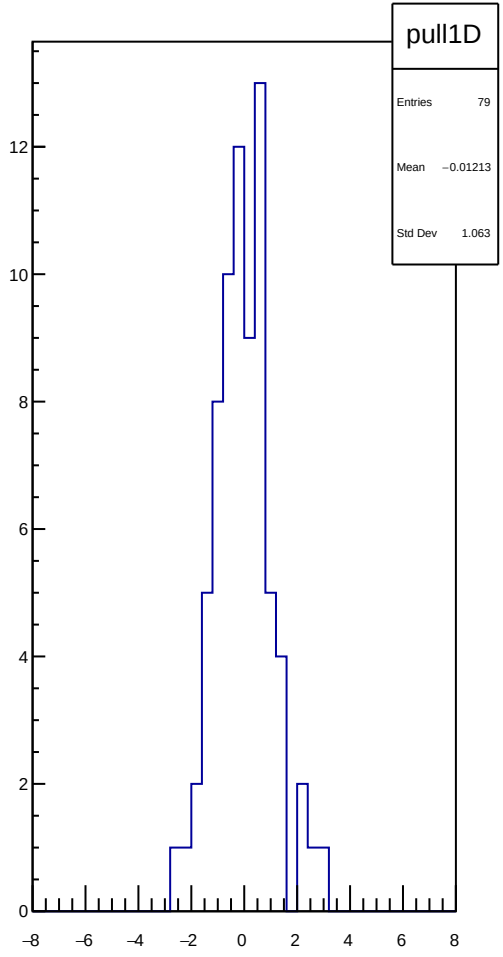

dit_asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 90.81 / 78
p0 1144 ± 1655
100
50
0
−50
−100
pull
Entries 79
Mean −33.69
Std Dev 56.18
3
2
1
0
−1
−2

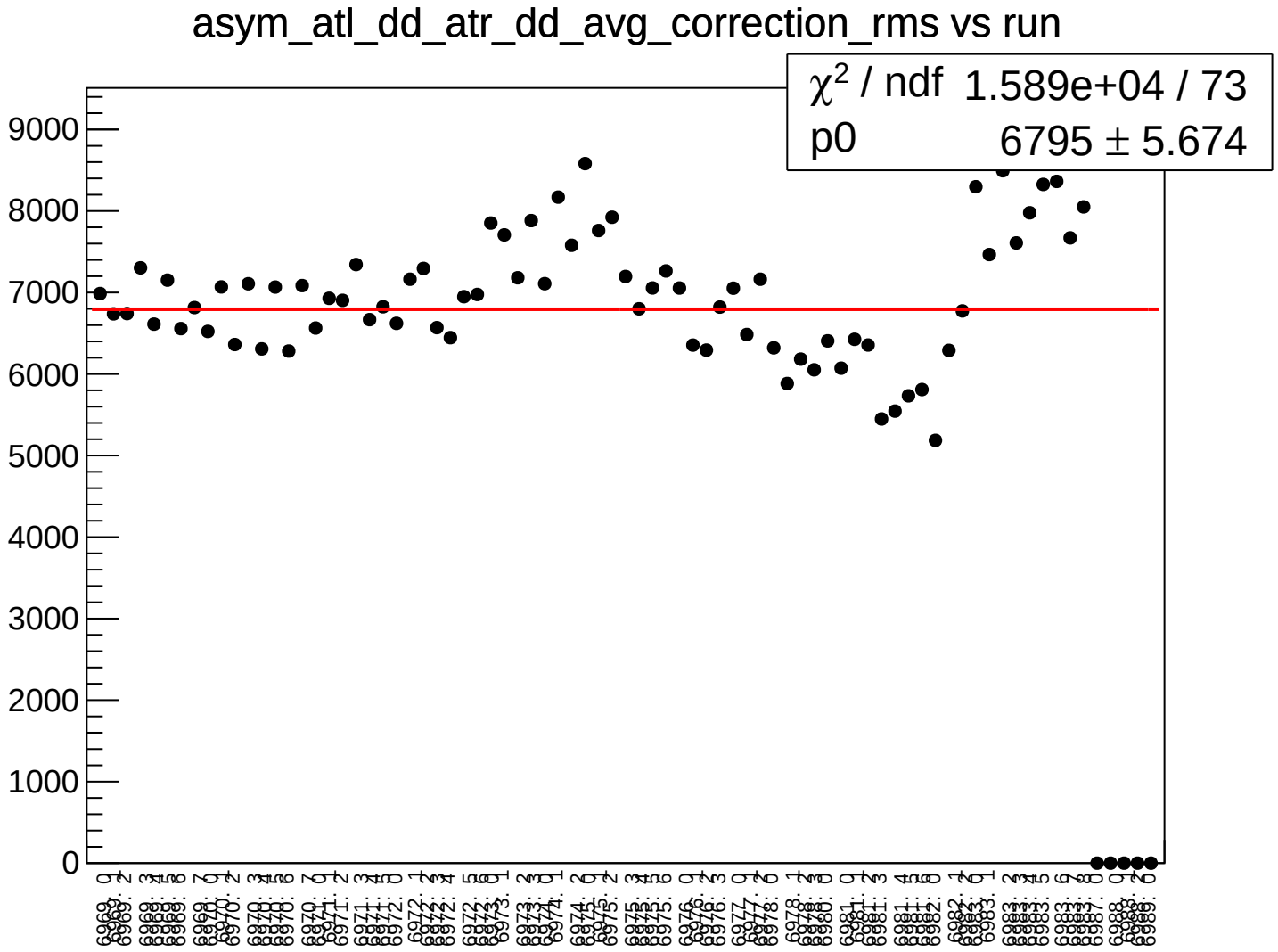

pull1D
Entries 79
Mean 0.02296
Std Dev 1.072
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

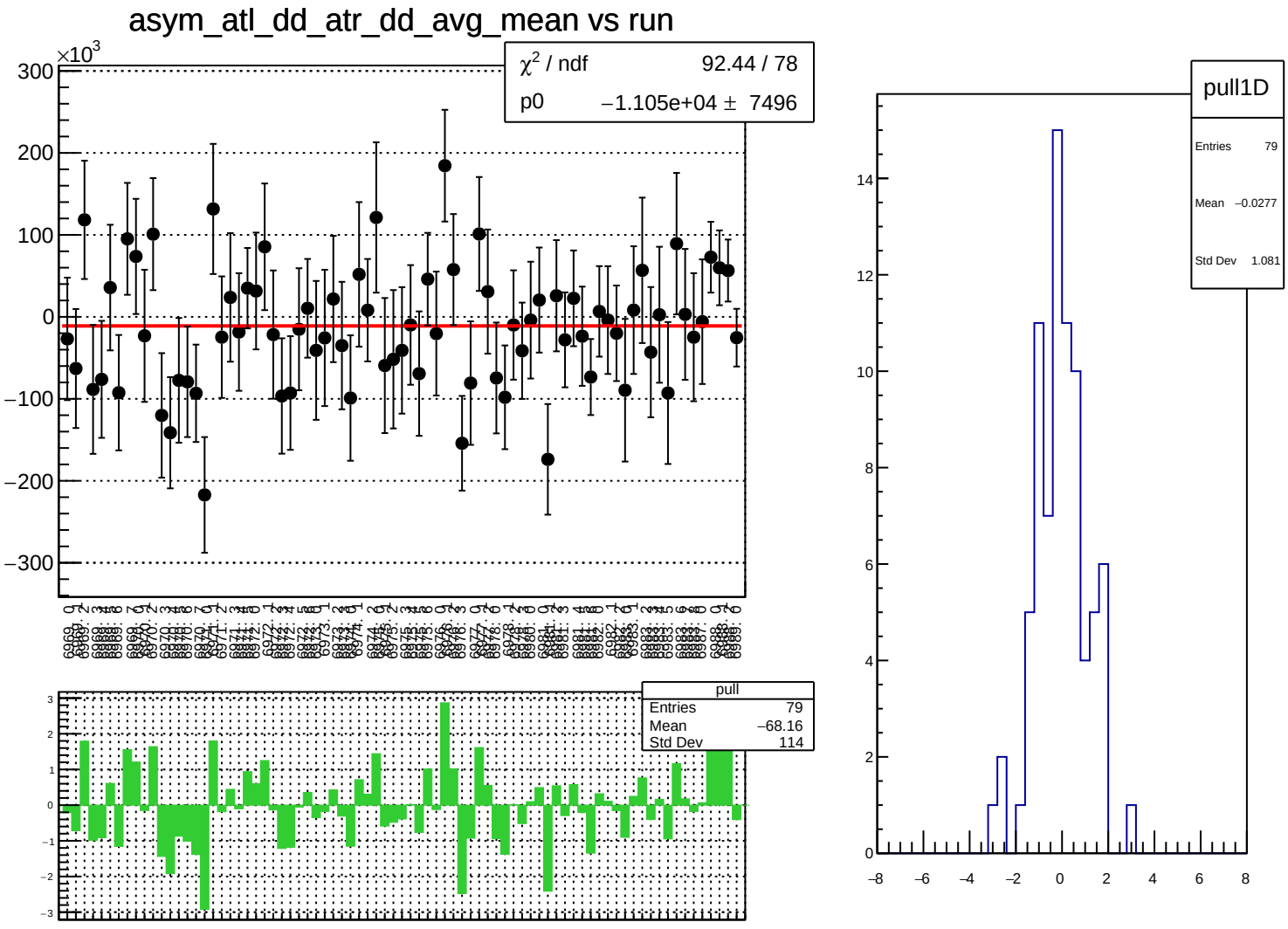
dit_asym_atl_dd_atr_dd_avg_rms vs run

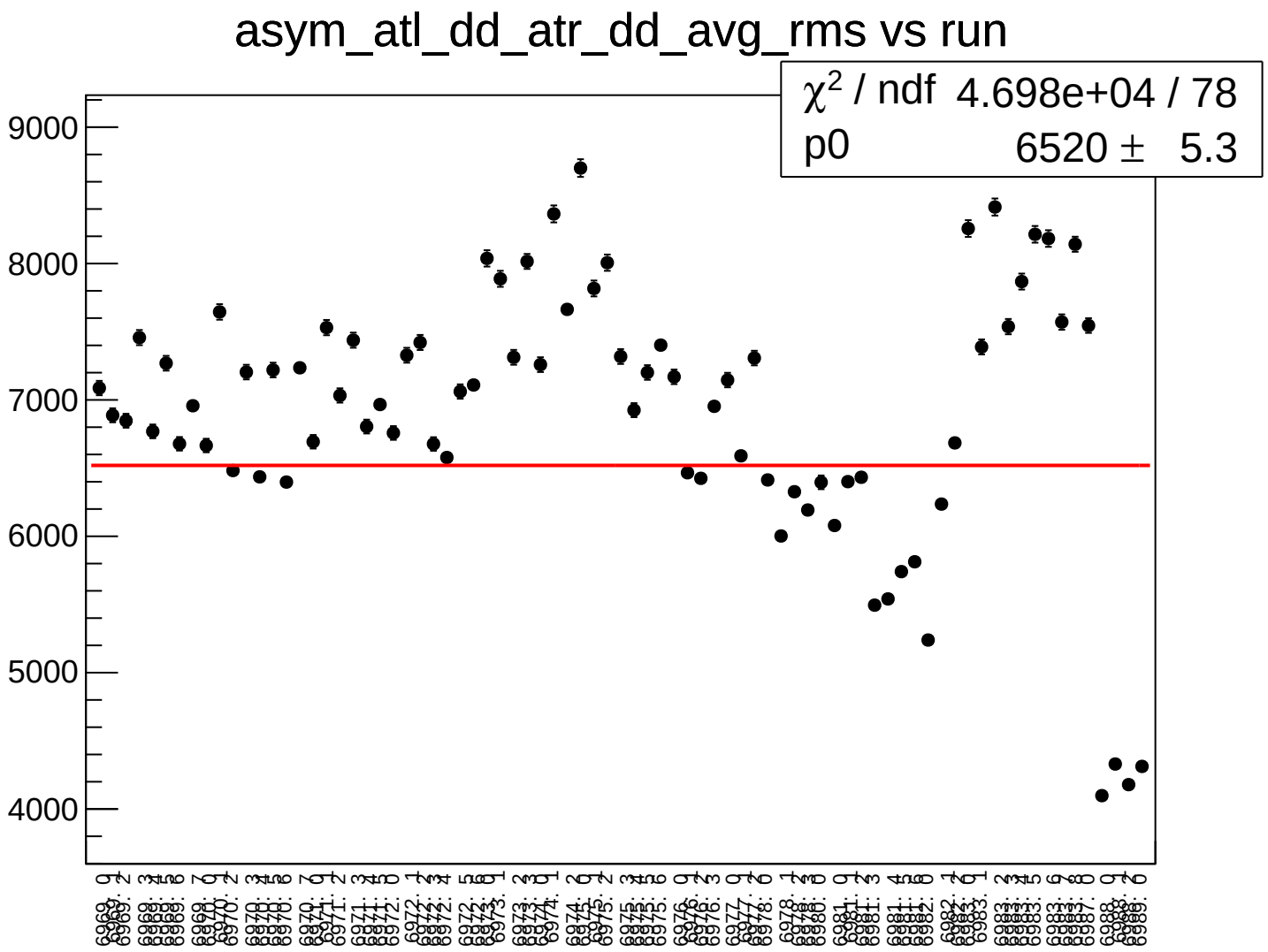


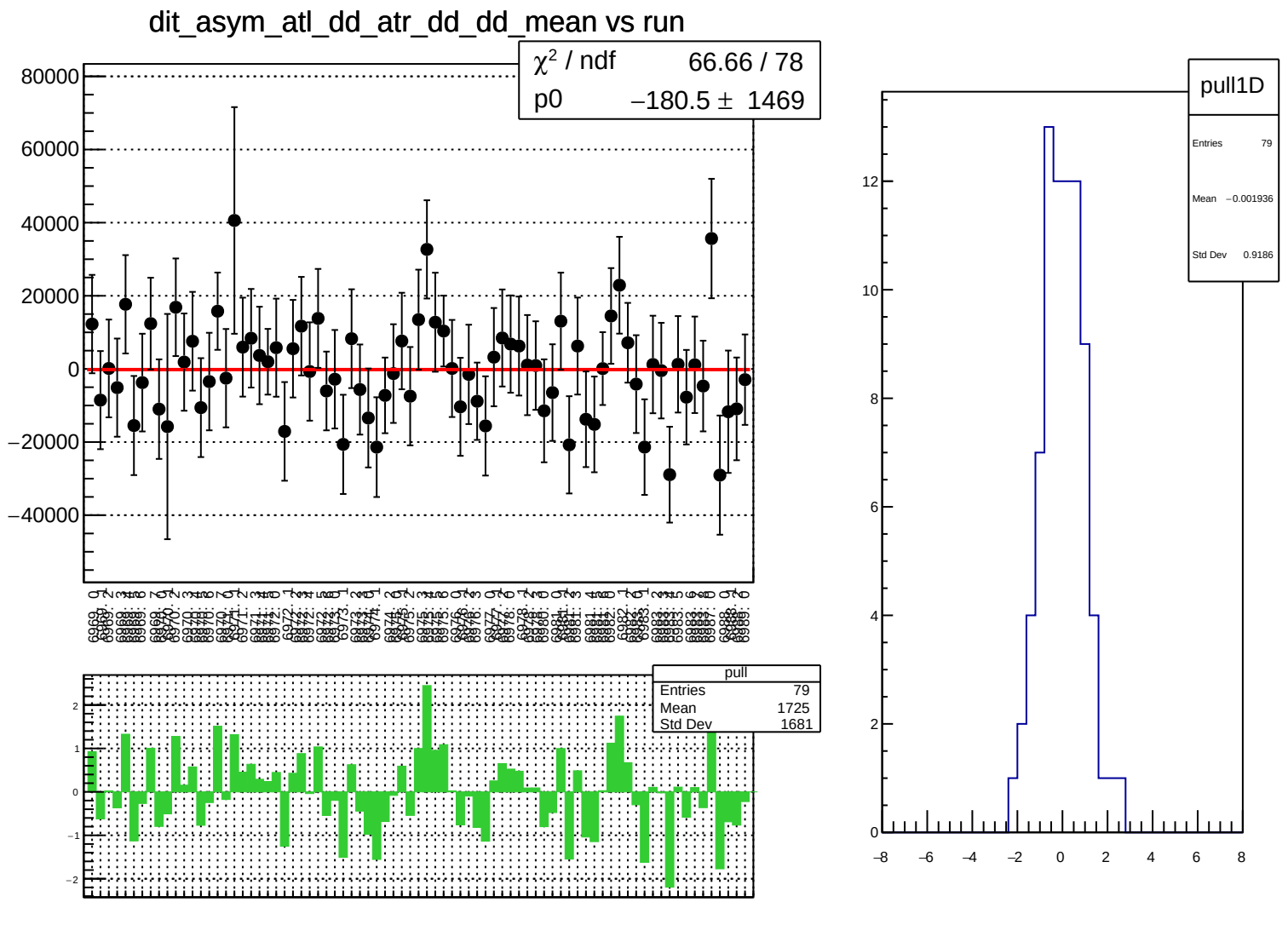

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 83.67 / 73
p0 1.94e+04 ± 8024
300
200
100
0
−100
−200

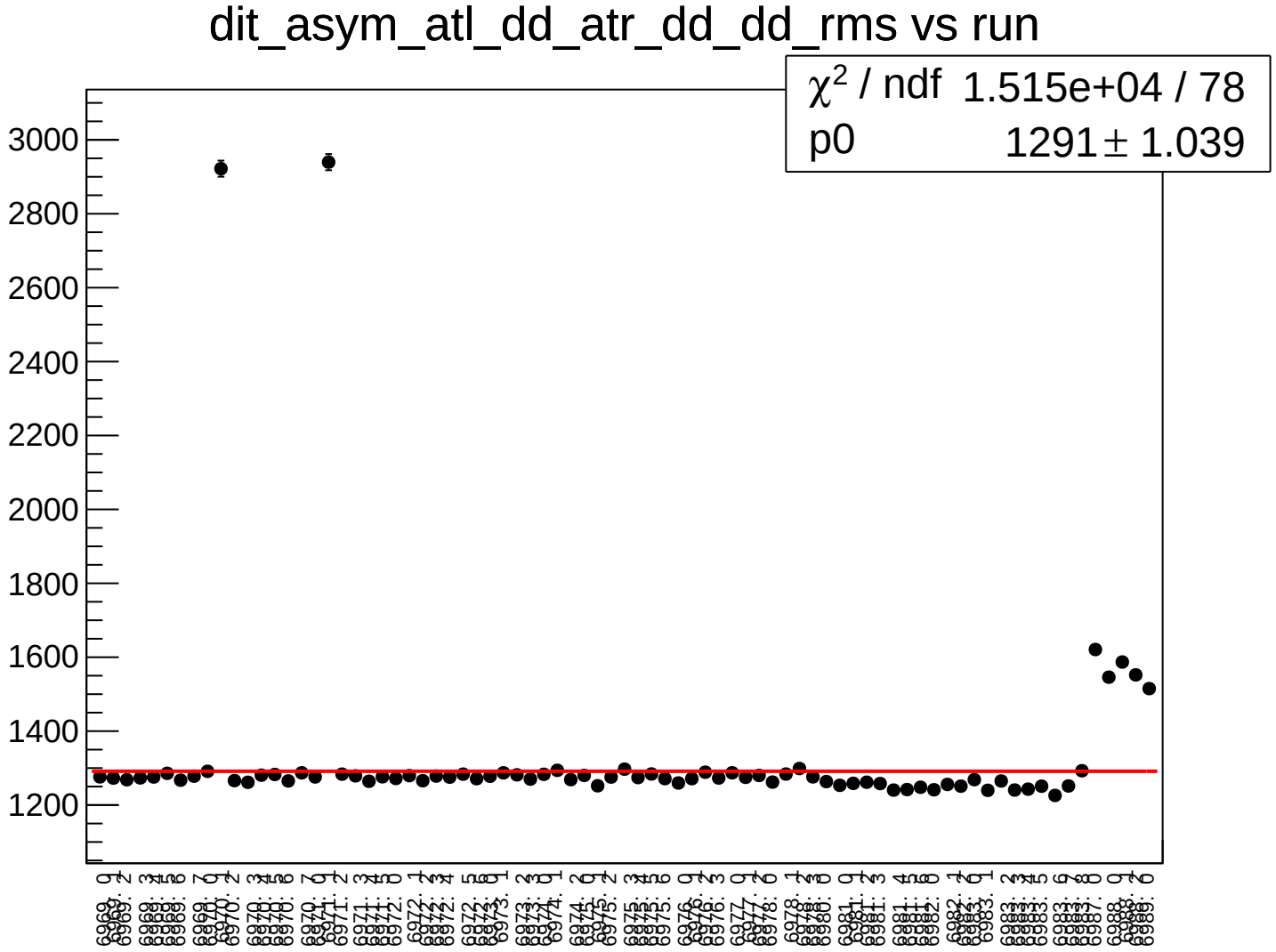

pull1D
Entries 79
Mean −0.01213
Std Dev 1.063
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

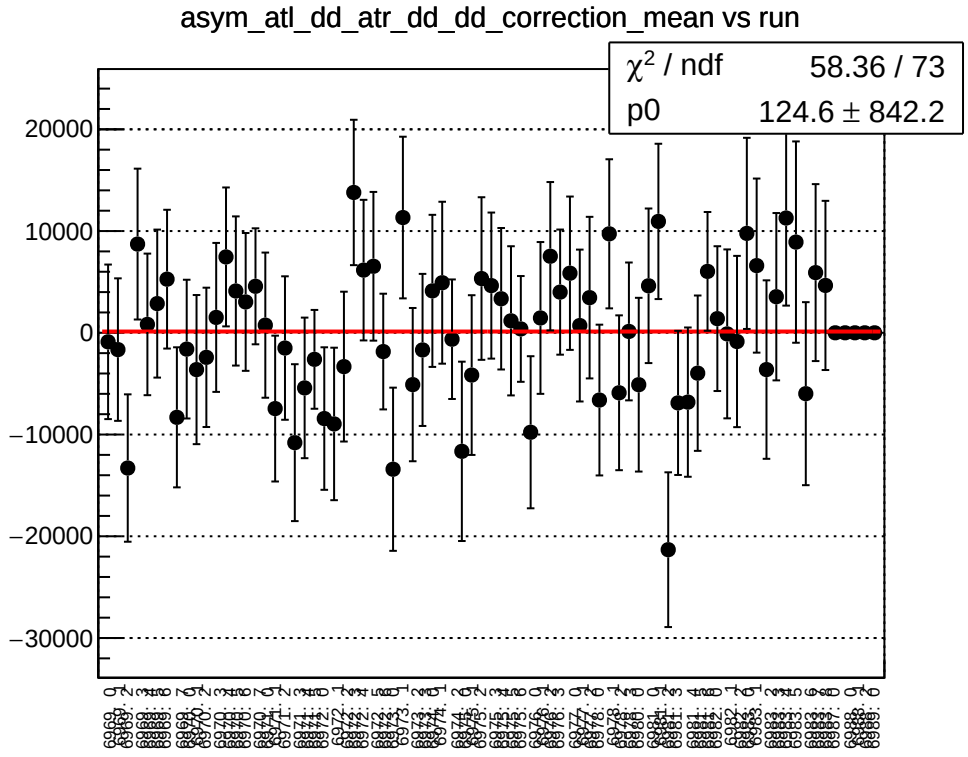

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ^2 / ndf 1.589e+04 / 73
p0 6795 ± 5.674
9000
8000
7000
6000
5000
4000
3000
2000
1000
0

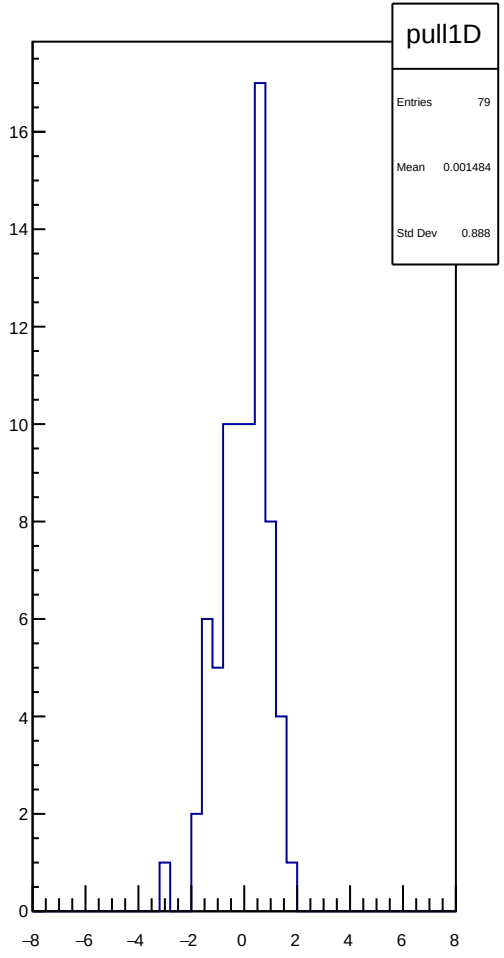

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 92.44 / 78
p0 −1.105e+04 ± 7496
pull
Entries 79
Mean −68.16
Std Dev 114
pull1D
Entries 79
Mean −0.0277
Std Dev 1.081

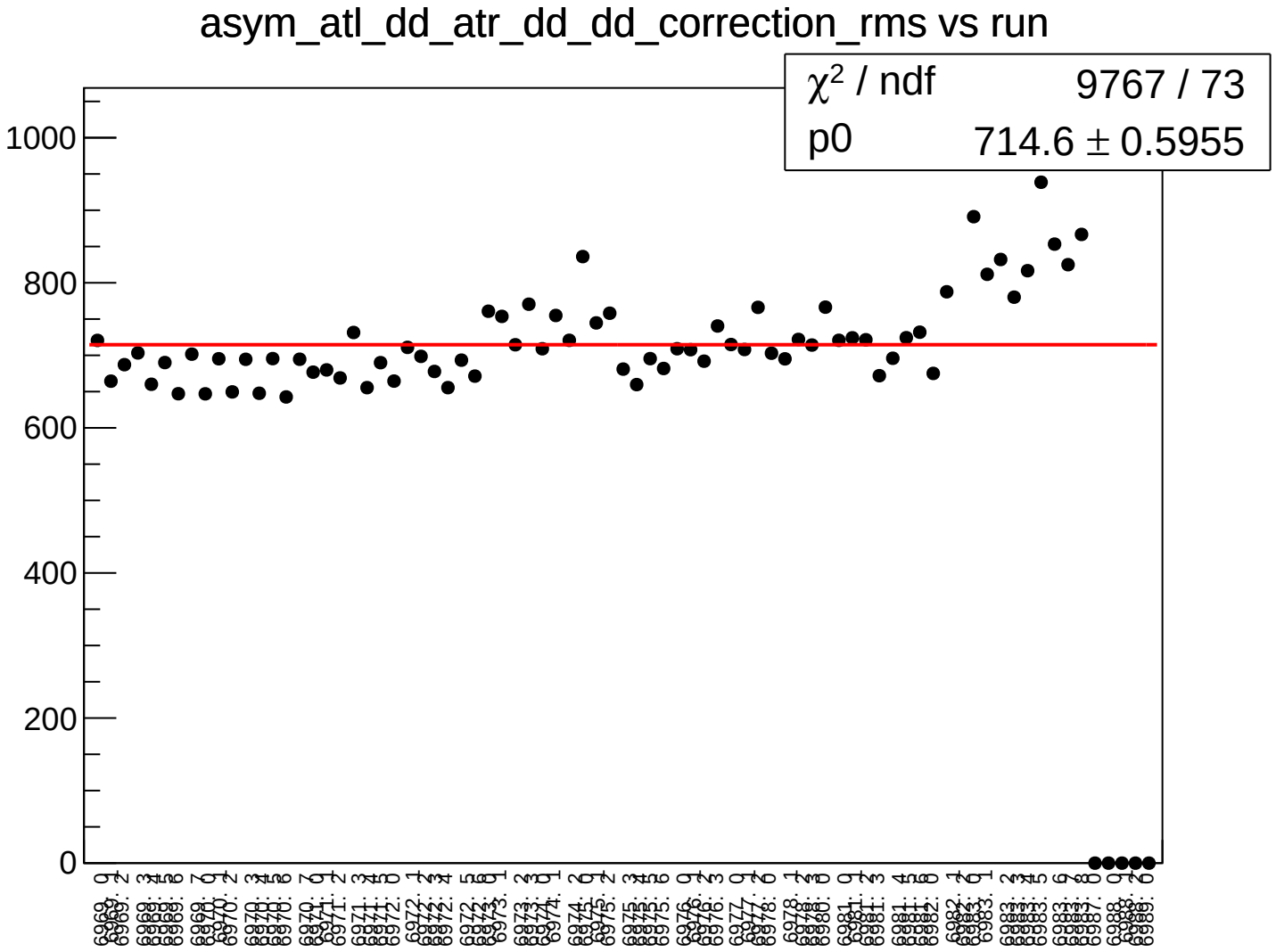

asym_atl_dd_atr_dd_avg_rms vs run
χ^2 / ndf 4.698e+04 / 78
p0 6520 ± 5.3
9000
8000
7000
6000
5000
4000

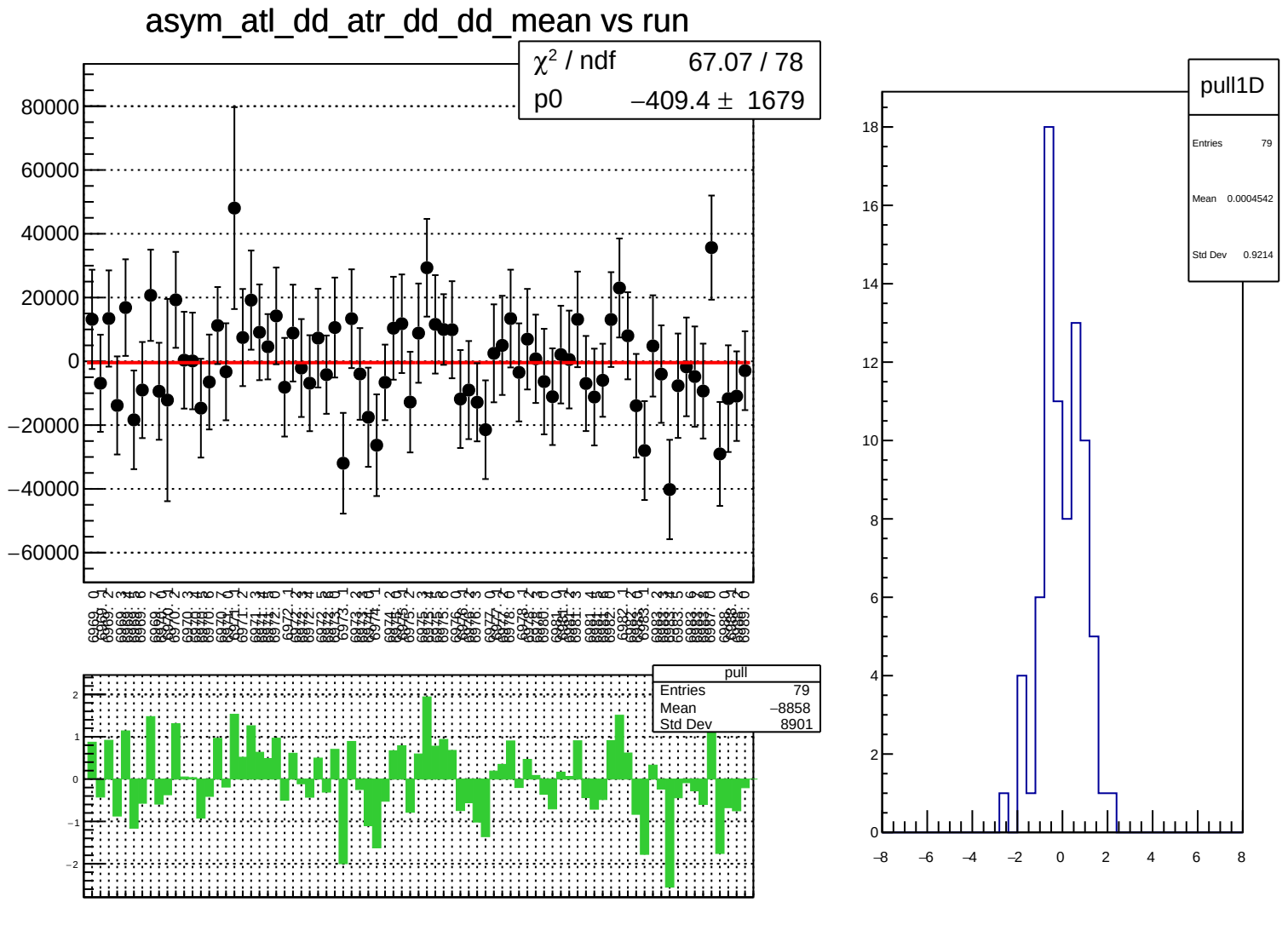

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 66.66 / 78
p0 −180.5 ± 1469
pull
Entries 79
Mean 1725
Std Dev 1681
pull1D
Entries 79
Mean −0.001936
Std Dev 0.9186

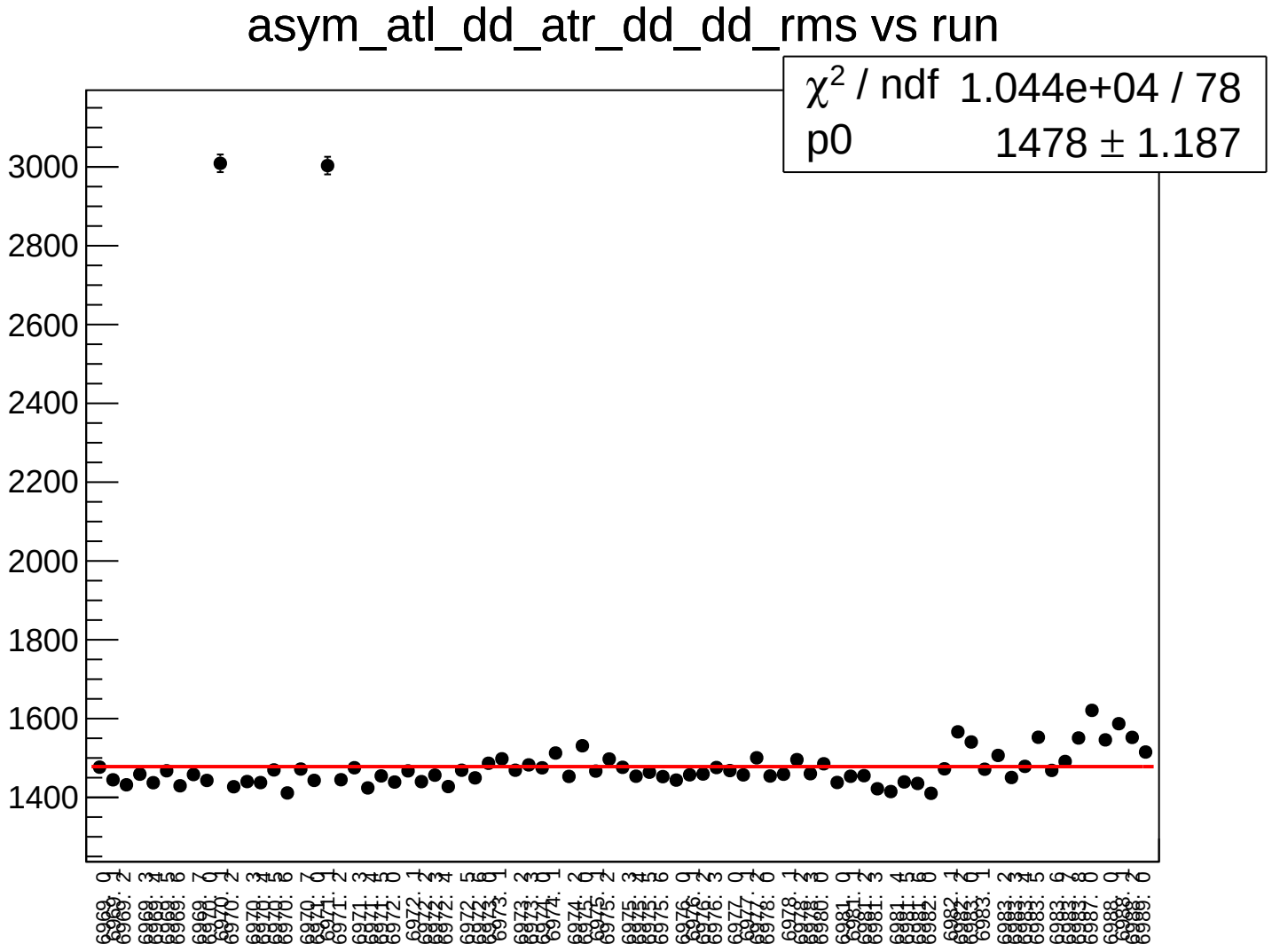

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ^2 / ndf 1.515e+04 / 78
p0 1291 ± 1.039
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

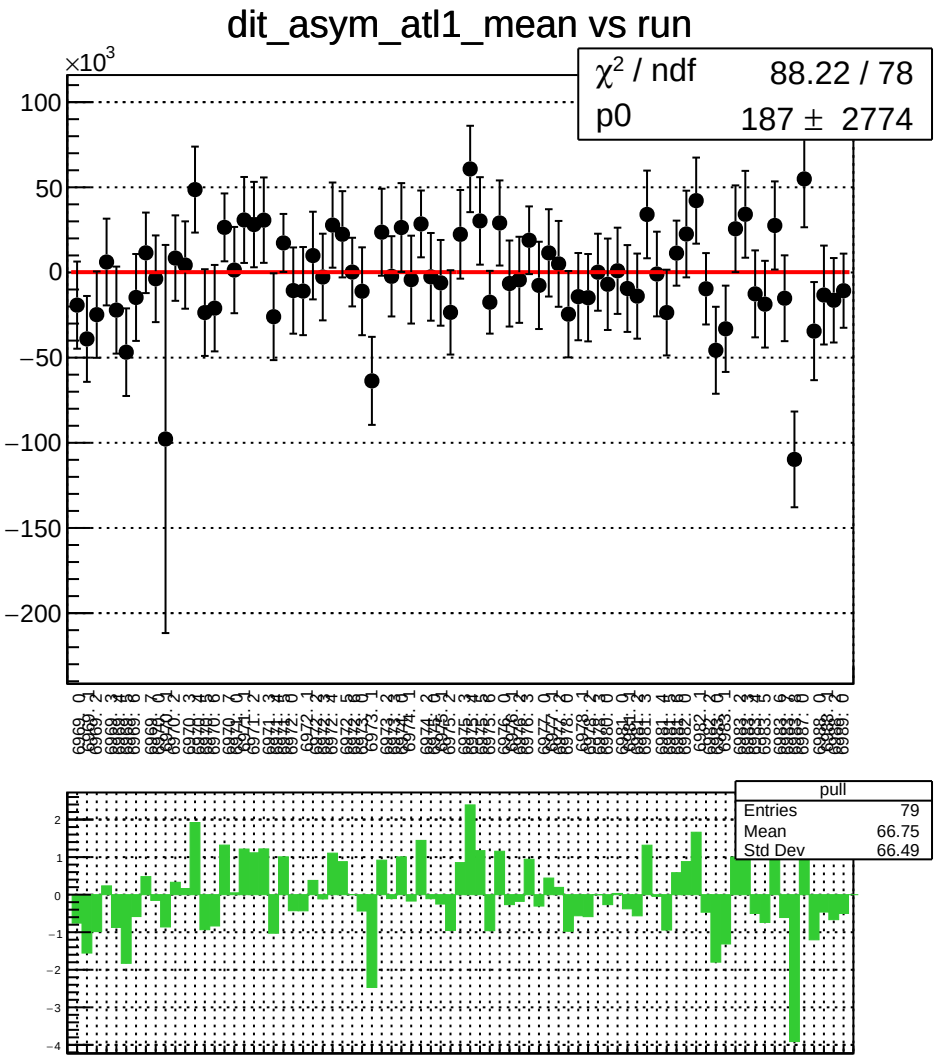

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ^2 / ndf 58.36 / 73
p0 124.6 ± 842.2
20000
10000
0
−10000
−20000
−30000

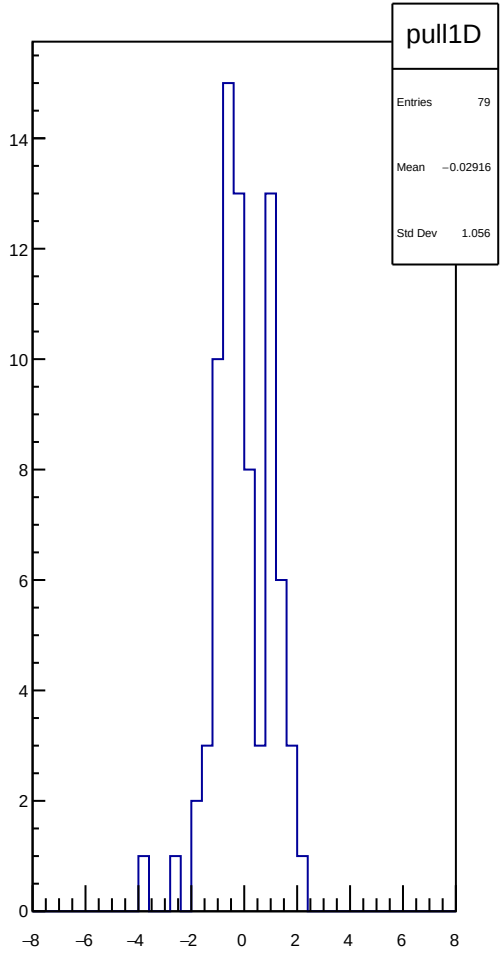

pull1D
Entries 79
Mean 0.001484
Std Dev 0.888
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_dd_atr_dd_dd_correction_rms vs run
χ2 / ndf 9767 / 73
p0 714.6 ± 0.5955
1000
800
600
400
200
0

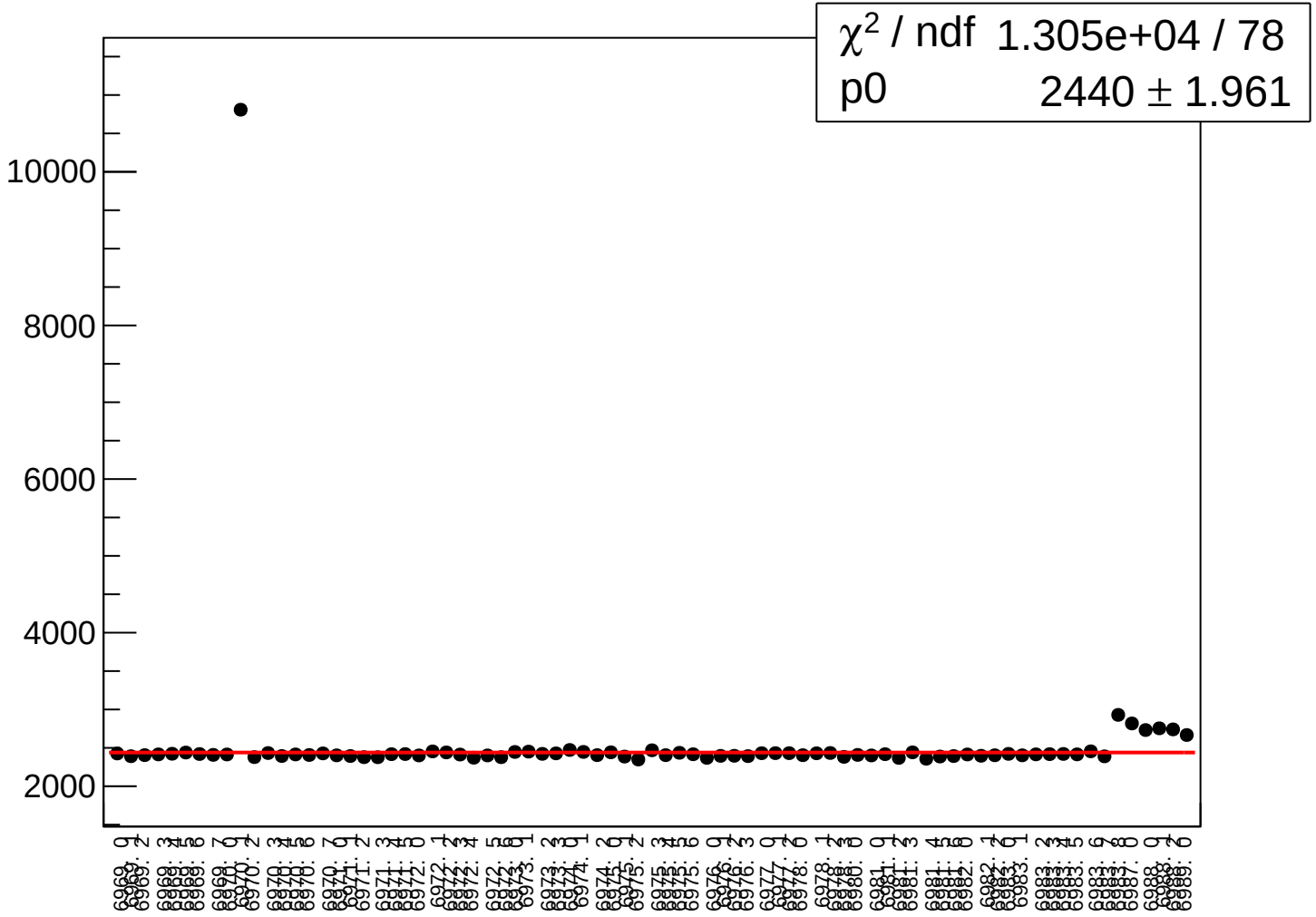

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 67.07 / 78
p0 −409.4 ± 1679
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 79
Mean −8858
Std Dev 8901
2
1
0
−1
−2
pull1D
Entries 79
Mean 0.0004542
Std Dev 0.9214
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

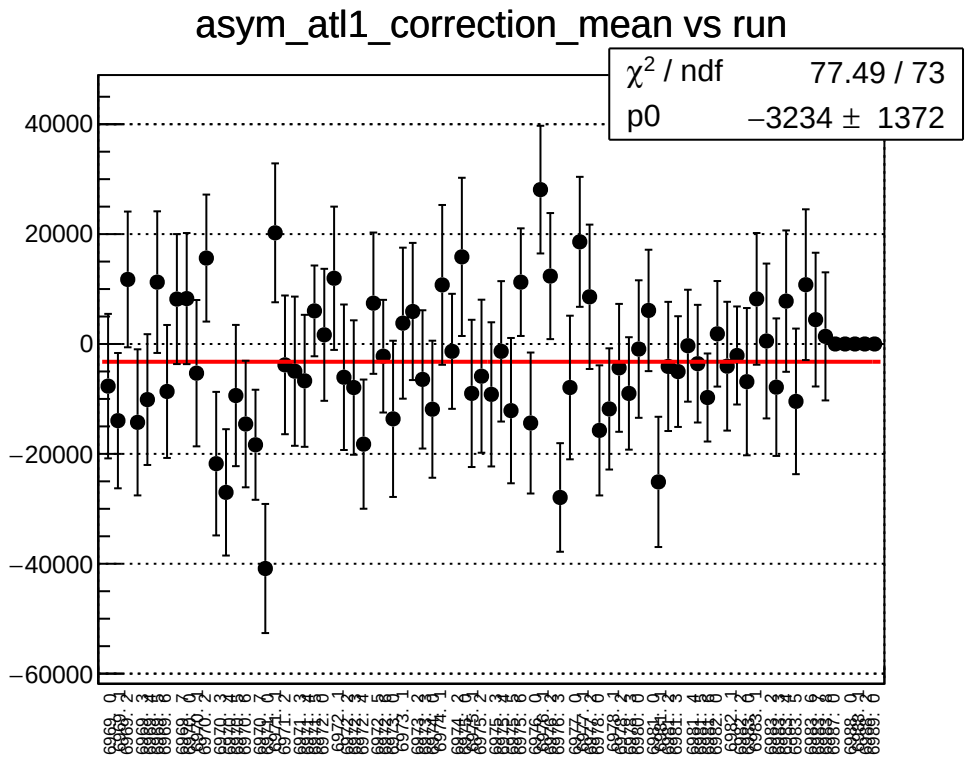

asym_atl_dd_atr_dd_dd_rms vs run
χ2 / ndf 1.044e+04 / 78
p0 1478 ± 1.187
3000
2800
2600
2400
2200
2000
1800
1600
1400

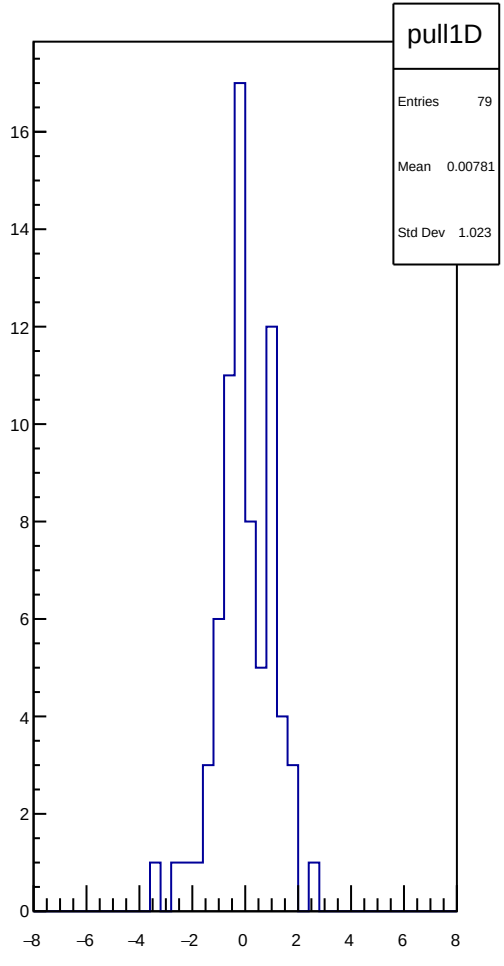

dit_asym_atl1_mean vs run
×10^3
χ² / ndf 88.22 / 78
p0 187 ± 2774
pull
Entries 79
Mean 66.75
Std Dev 66.49

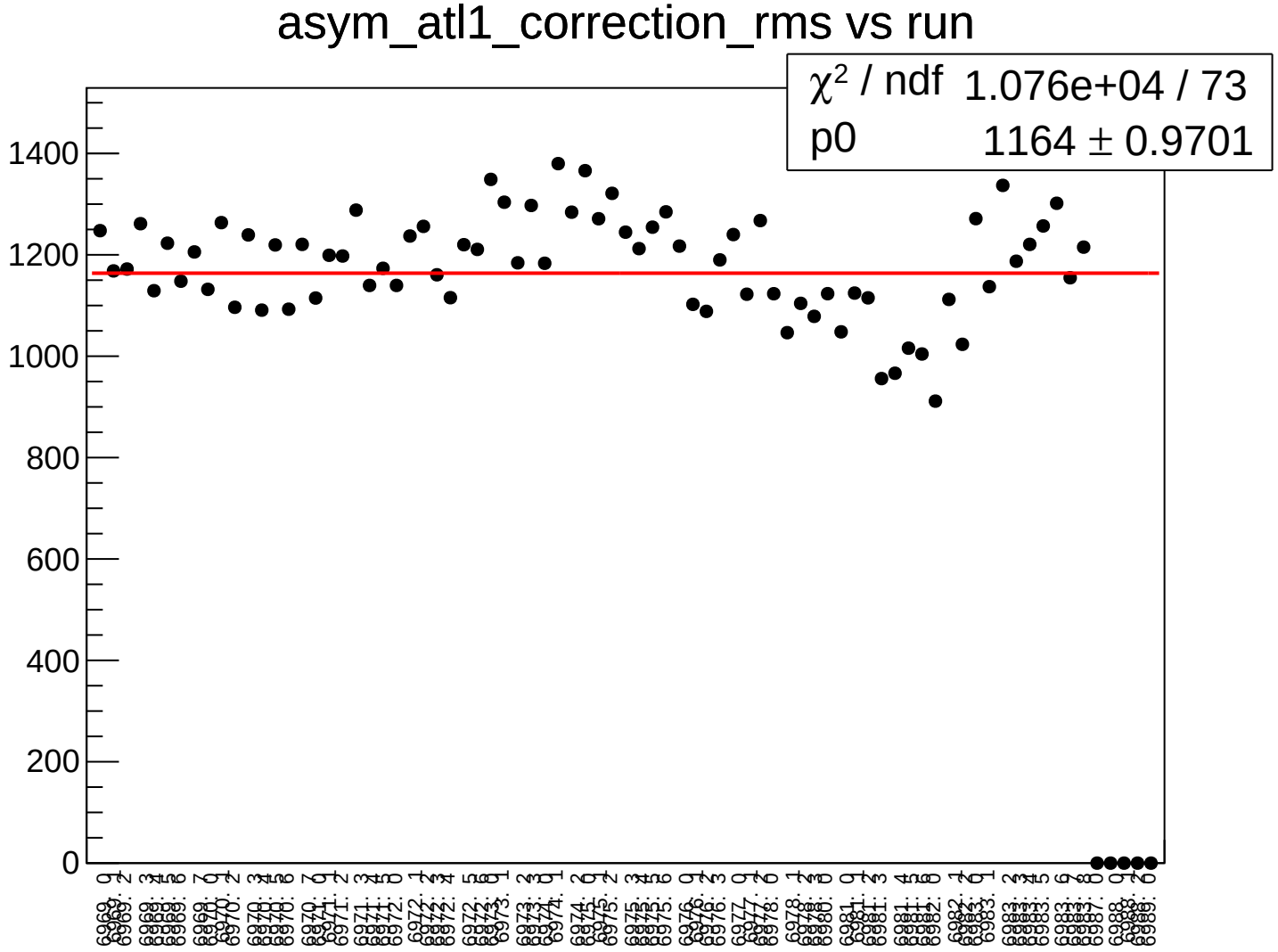

pull1D
Entries 79
Mean −0.02916
Std Dev 1.056

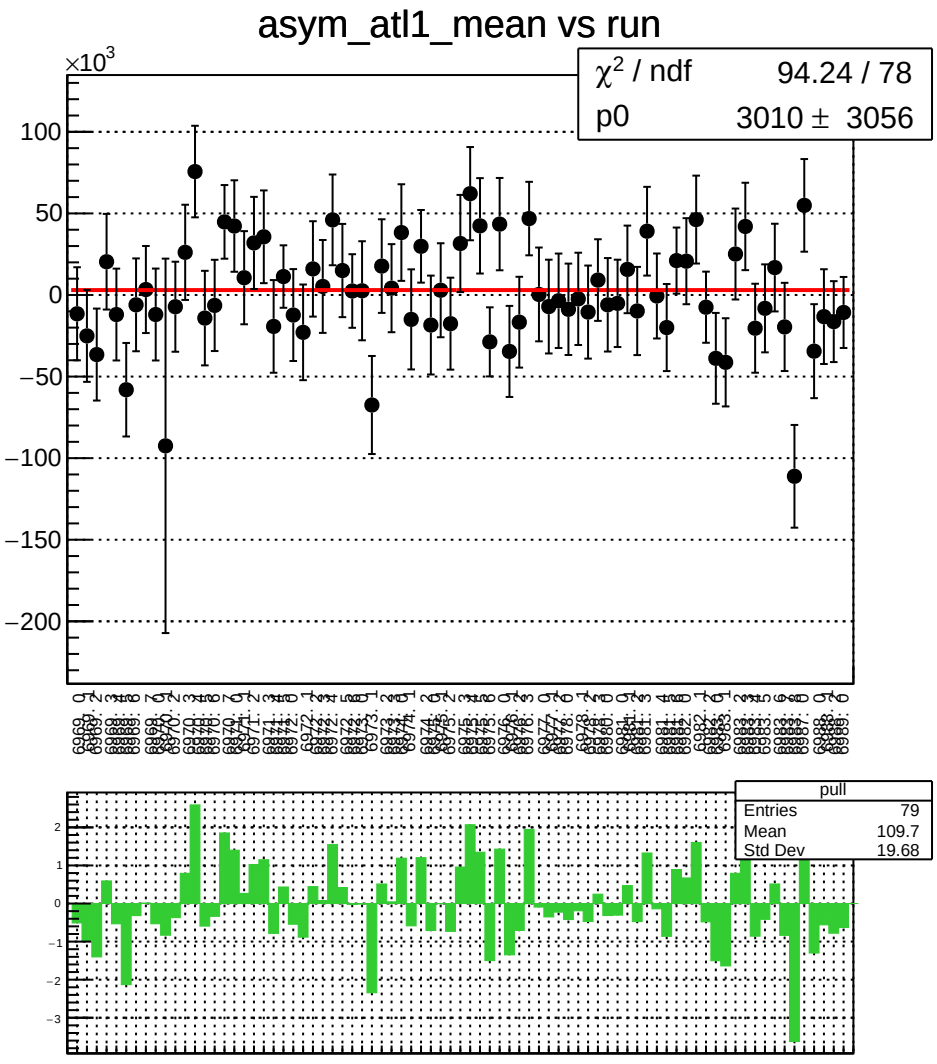
dit_asym_atl1_rms vs run

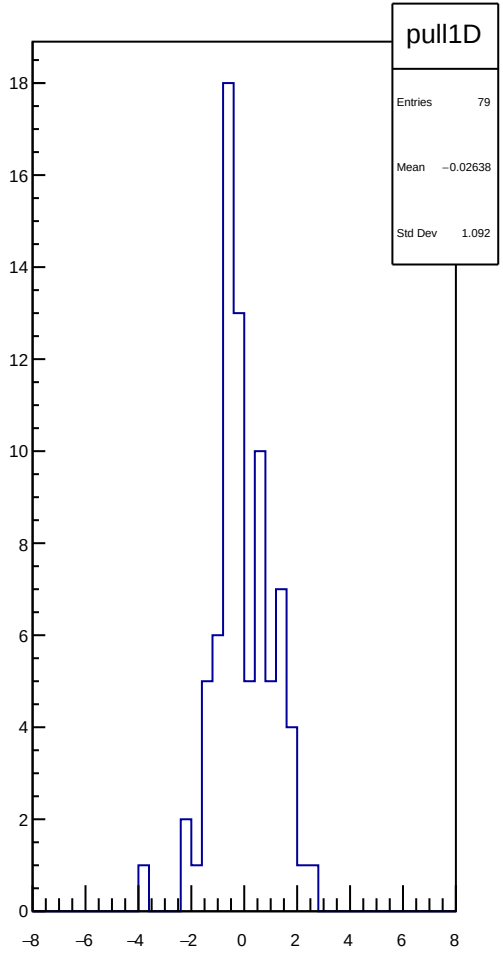


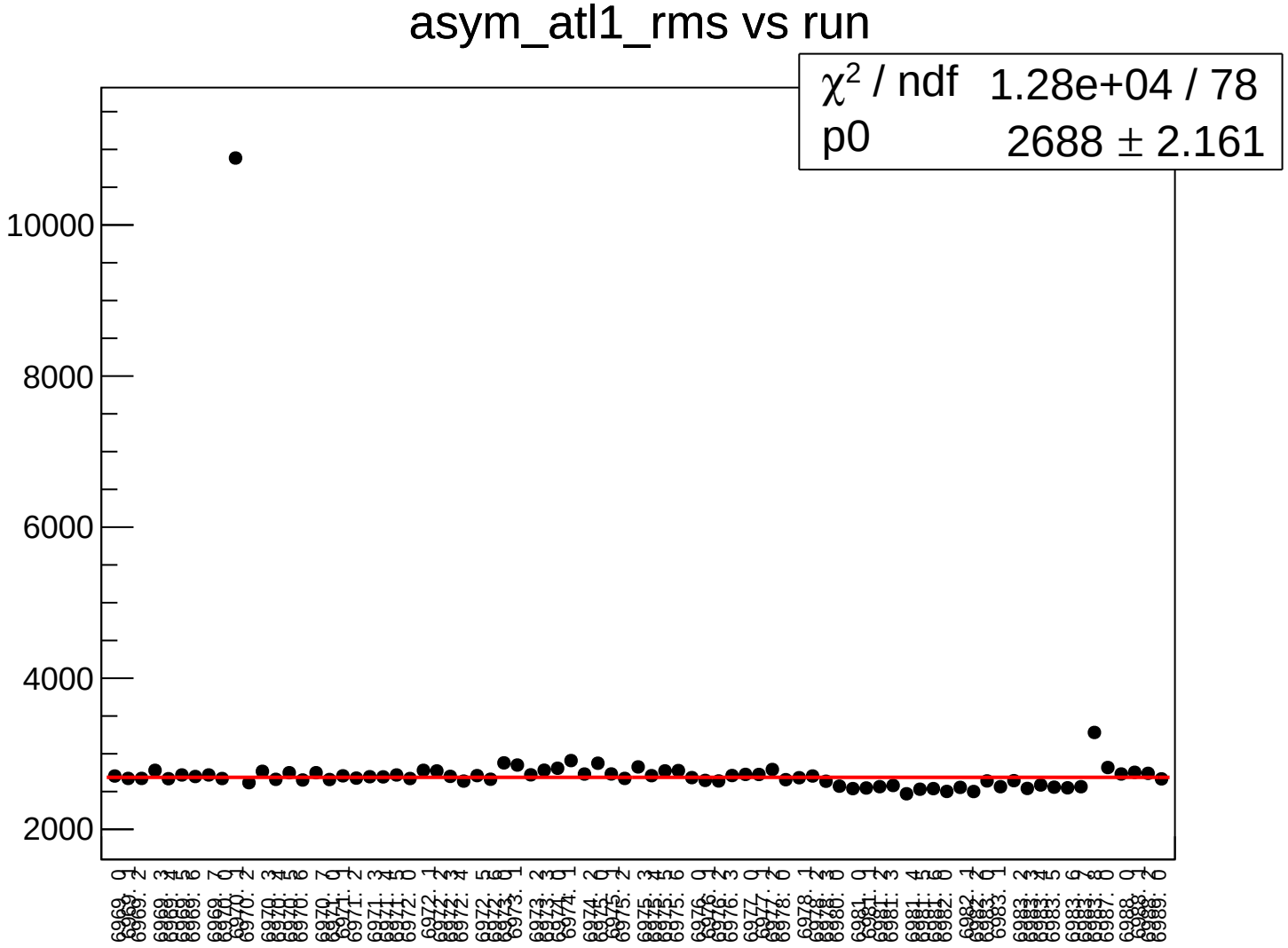

asym_atl1_correction_mean vs run
χ² / ndf 77.49 / 73
p0 −3234 ± 1372
40000
20000
0
−20000
−40000
−60000

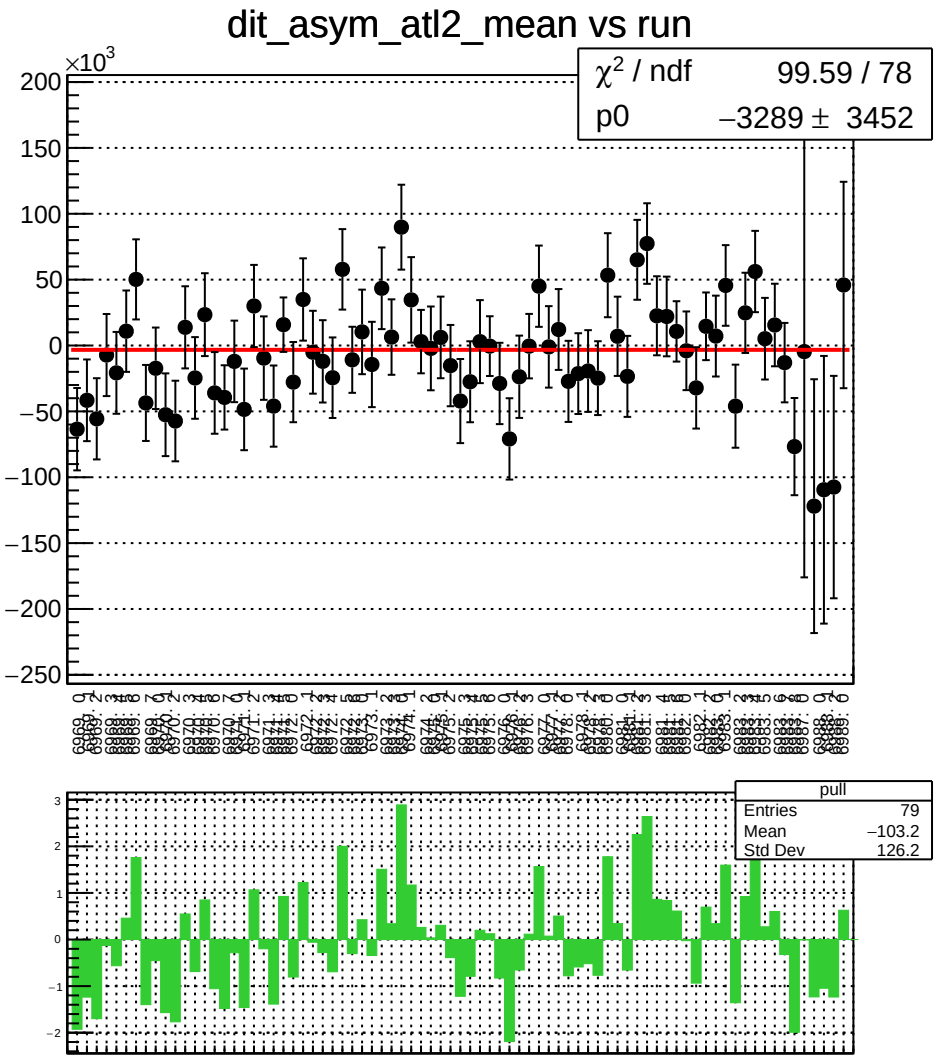

pull1D
Entries 79
Mean 0.00781
Std Dev 1.023
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

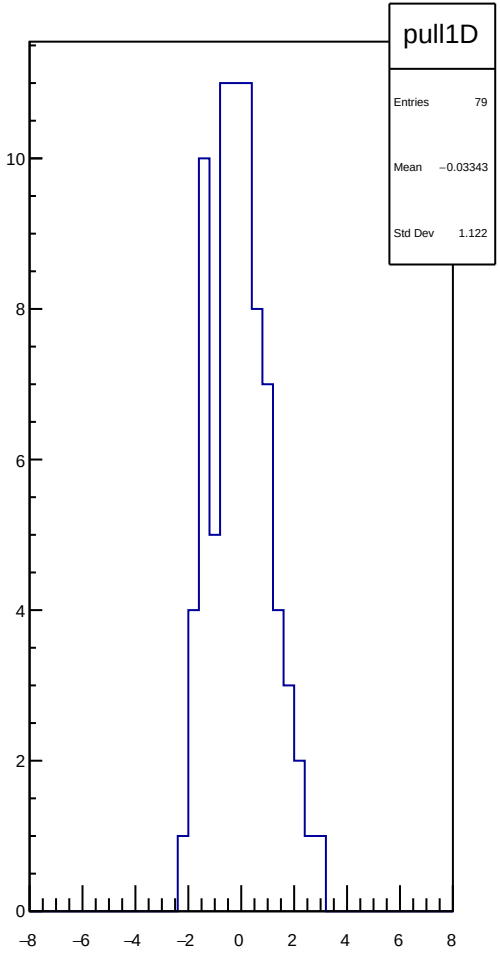

asym_atl1_correction_rms vs run
χ² / ndf 1.076e+04 / 73
p0 1164 ± 0.9701
1400
1200
1000
800
600
400
200
0


asym_atl1_mean vs run
×10^3
χ² / ndf 94.24 / 78
p0 3010 ± 3056
pull
Entries 79
Mean 109.7
Std Dev 19.68

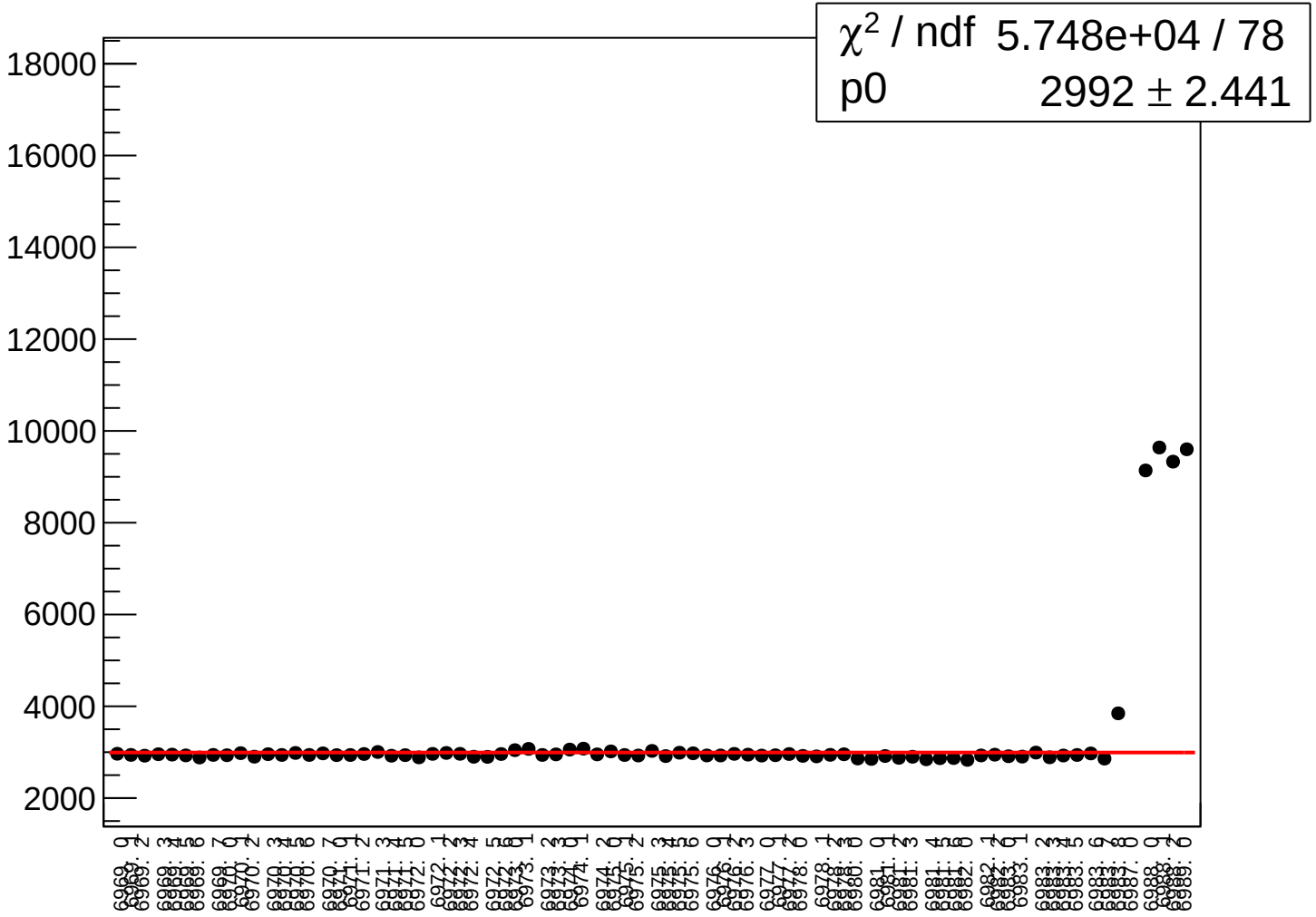

pull1D
Entries 79
Mean −0.02638
Std Dev 1.092

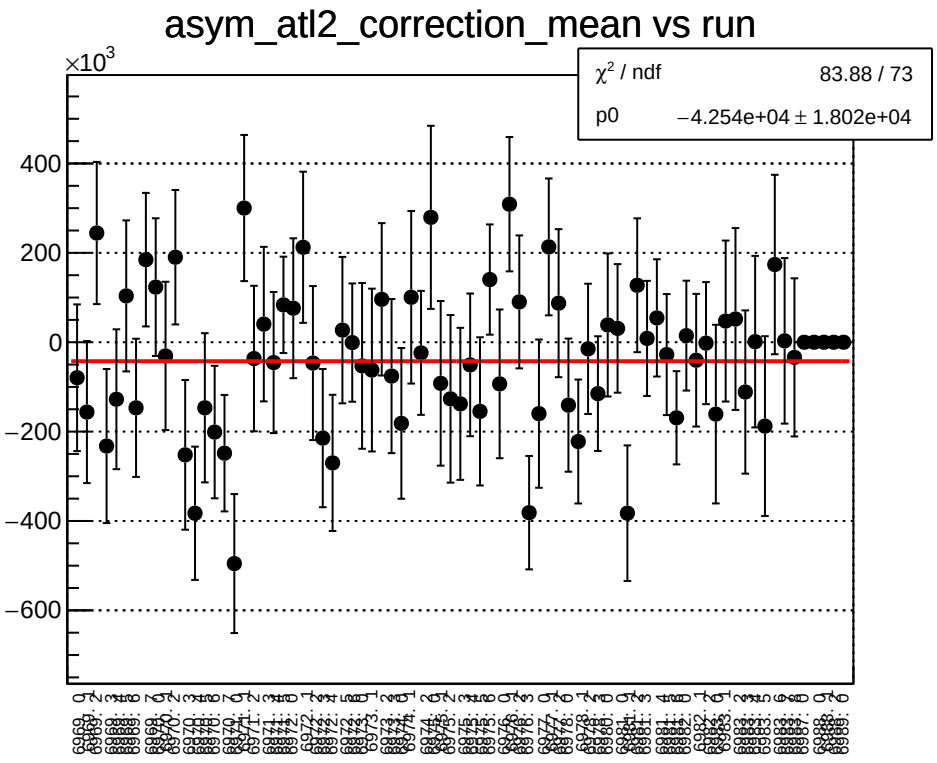

asym_atl1_rms vs run
χ² / ndf 1.28e+04 / 78
p0 2688 ± 2.161
10000
8000
6000
4000
2000

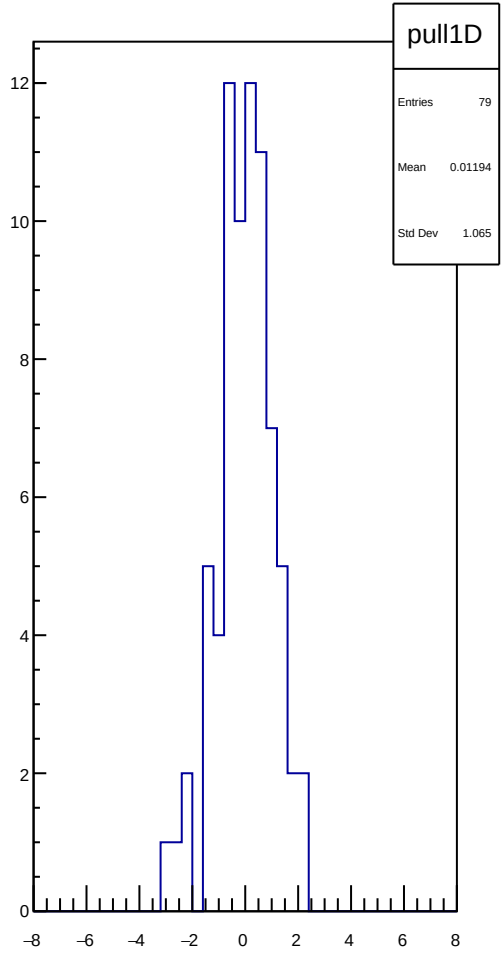

dit_asym_atl2_mean vs run
×10^3
χ² / ndf 99.59 / 78
p0 −3289 ± 3452
pull
Entries 79
Mean −103.2
Std Dev 126.2


pull1D
Entries 79
Mean −0.03343
Std Dev 1.122

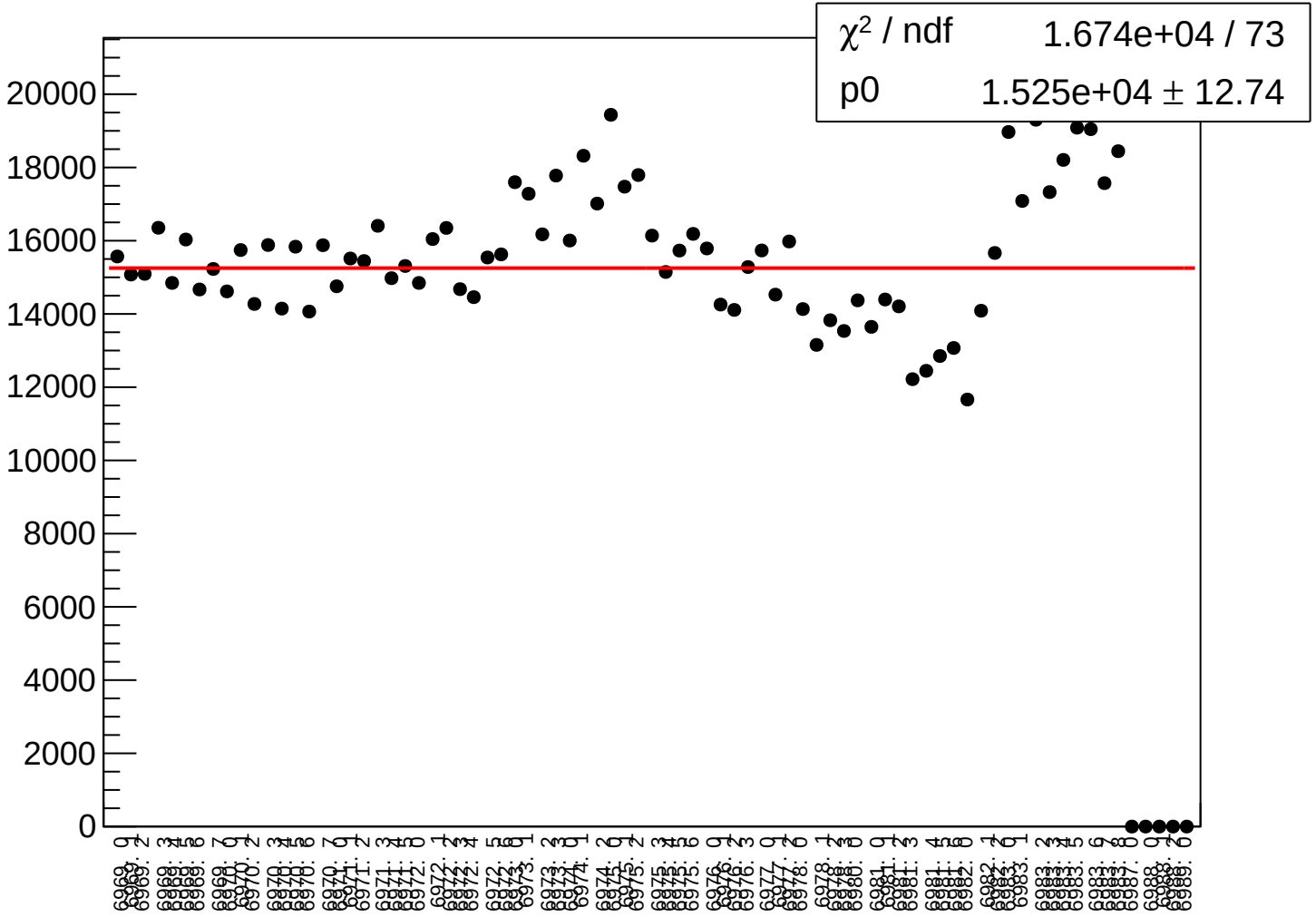
dit_asym_atl2_rms vs run

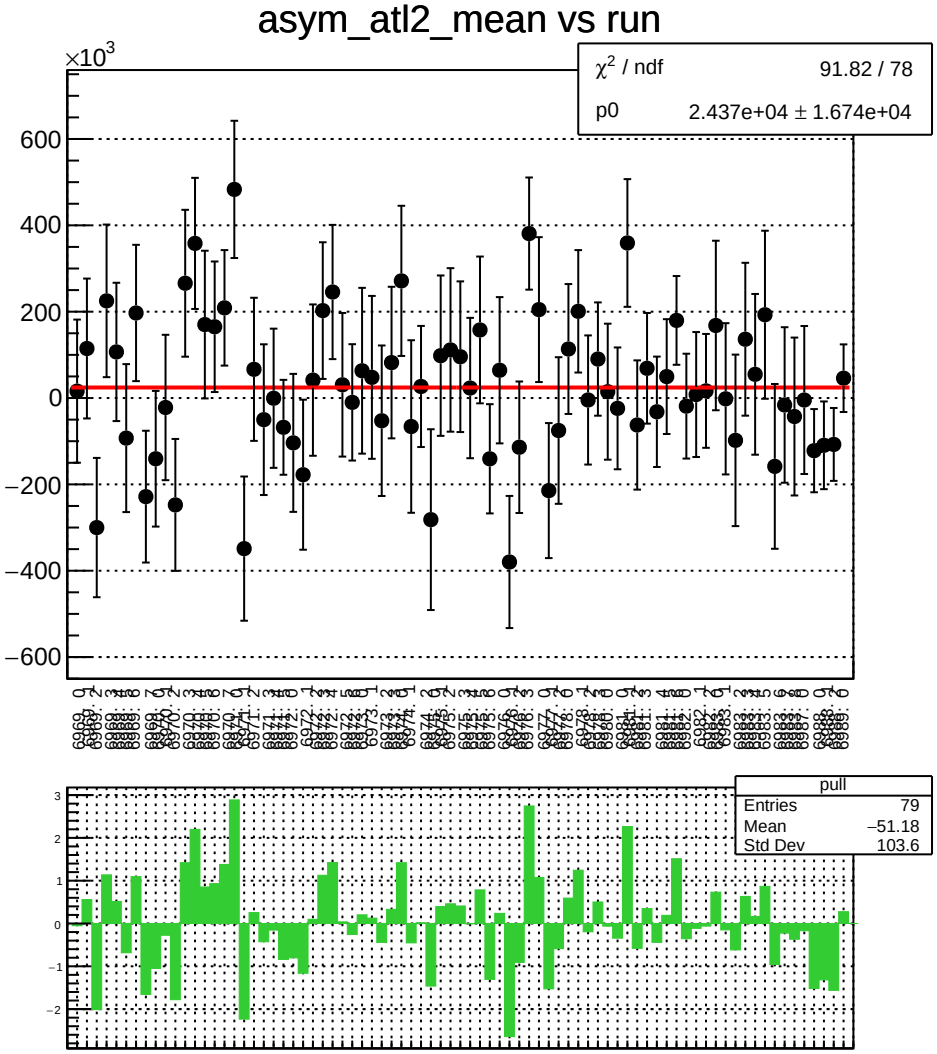


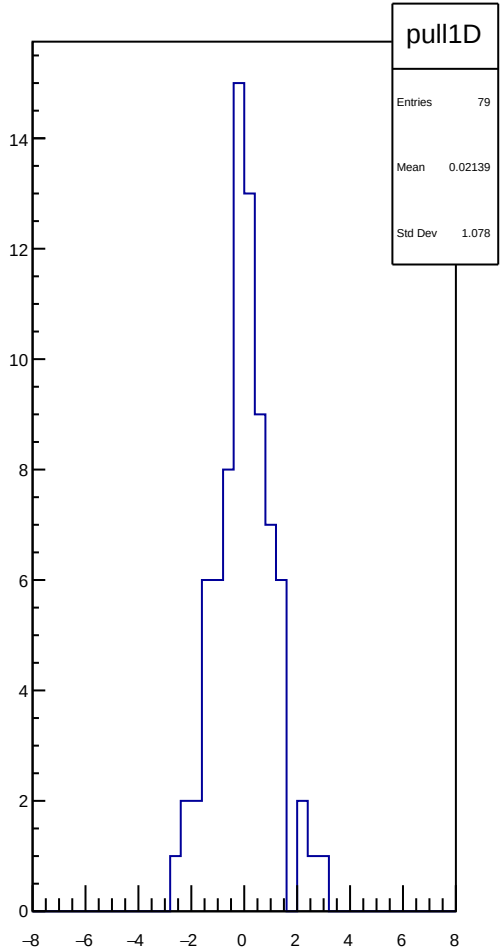

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 83.88 / 73
p0 −4.254e+04 ± 1.802e+04
400
200
0
−200
−400
−600

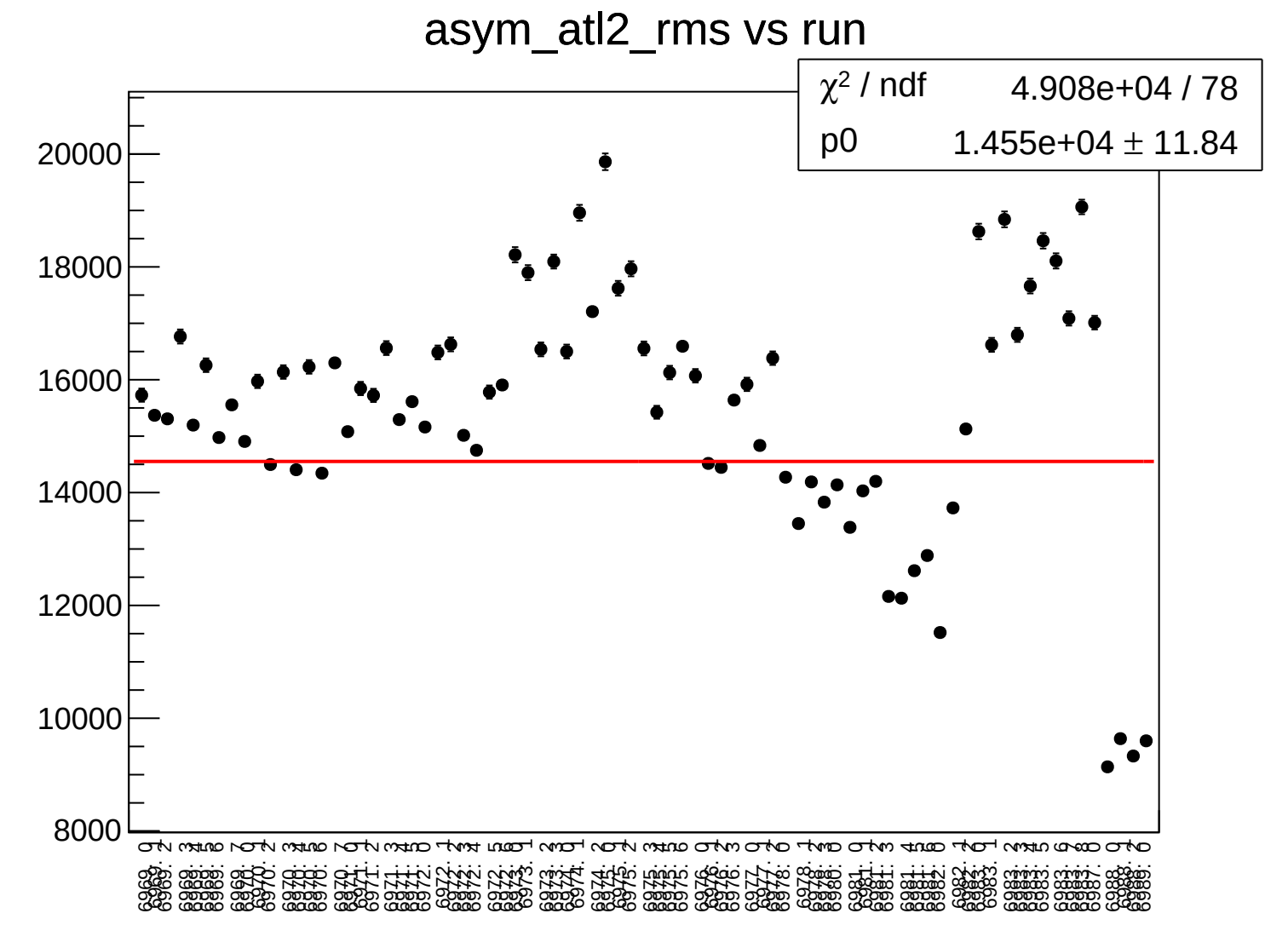

pull1D
Entries 79
Mean 0.01194
Std Dev 1.065
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

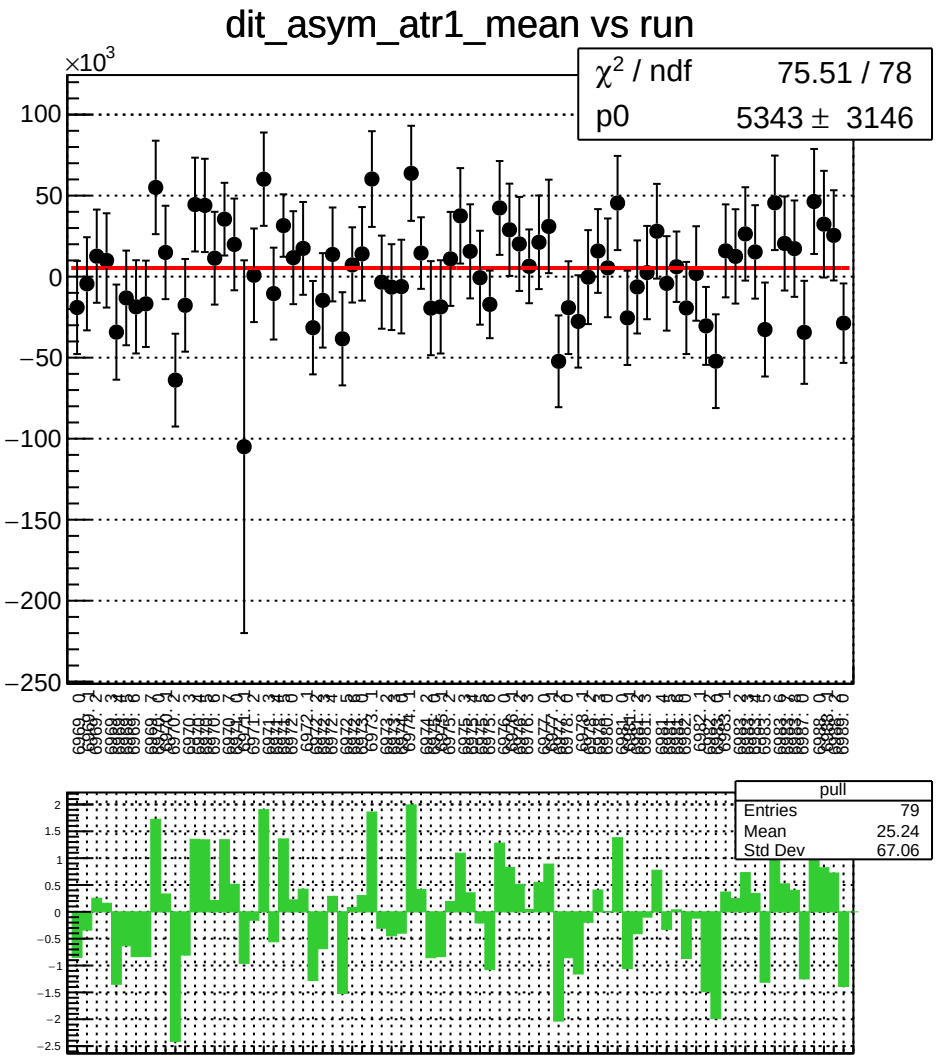
asym_atl2_correction_rms vs run

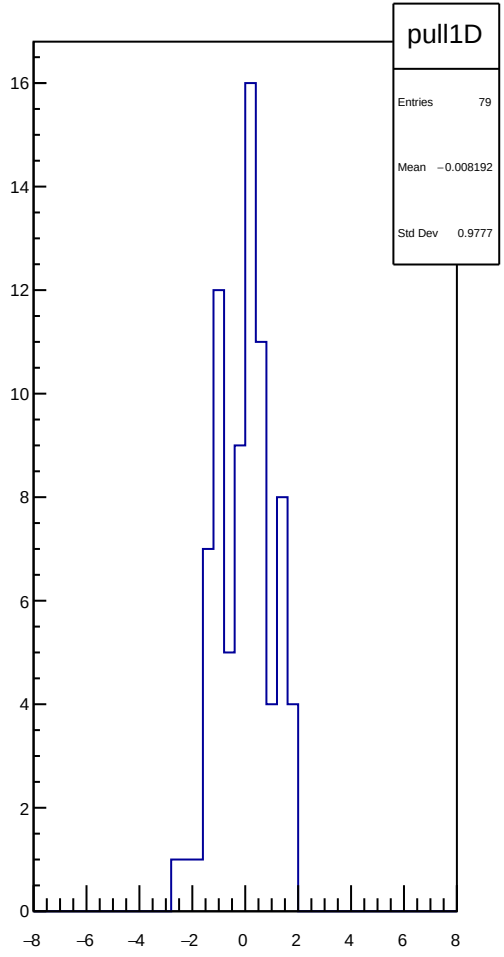


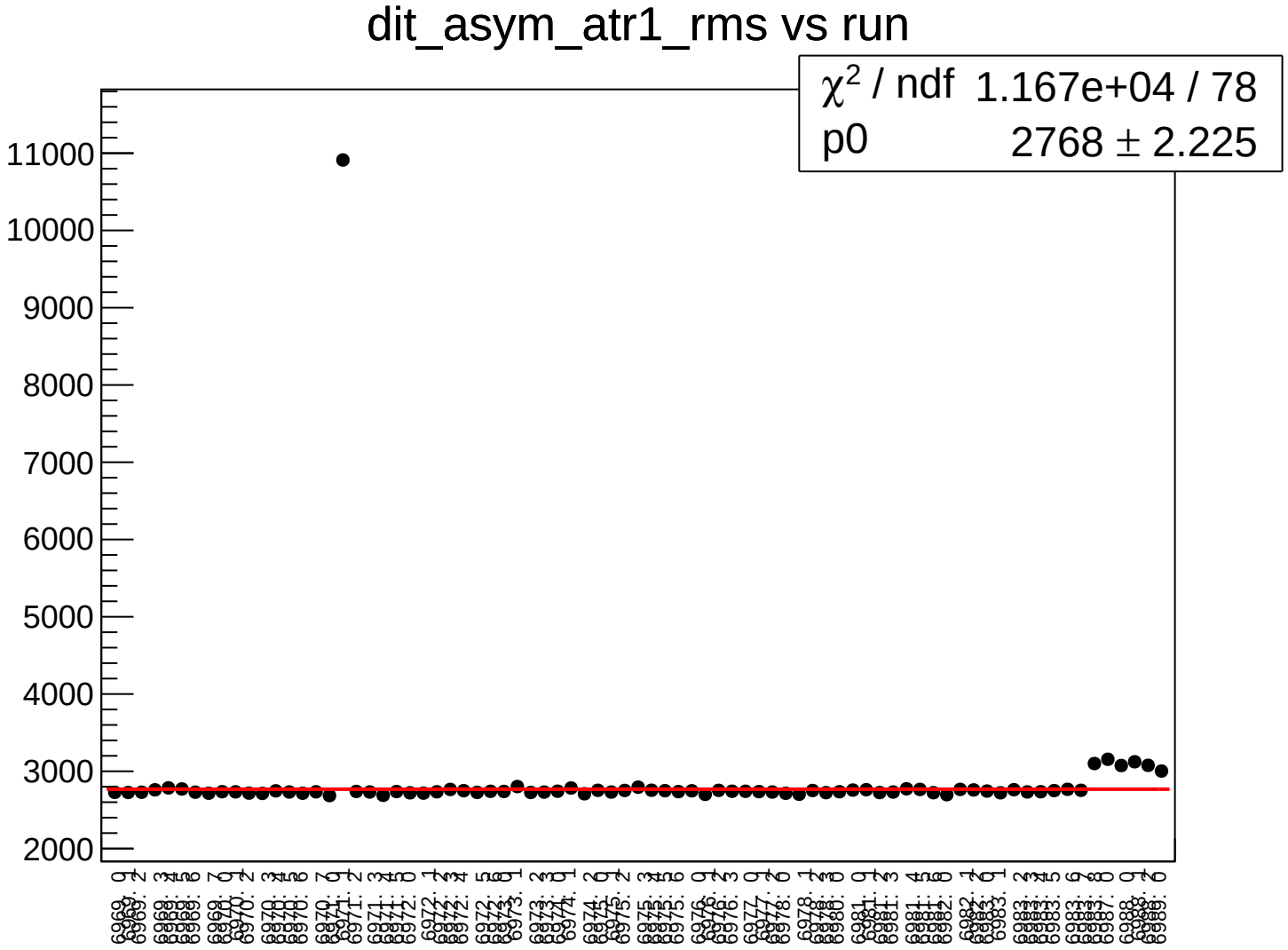

asym_atl2_mean vs run
×10^3
χ² / ndf 91.82 / 78
p0 2.437e+04 ± 1.674e+04
pull
Entries 79
Mean −51.18
Std Dev 103.6

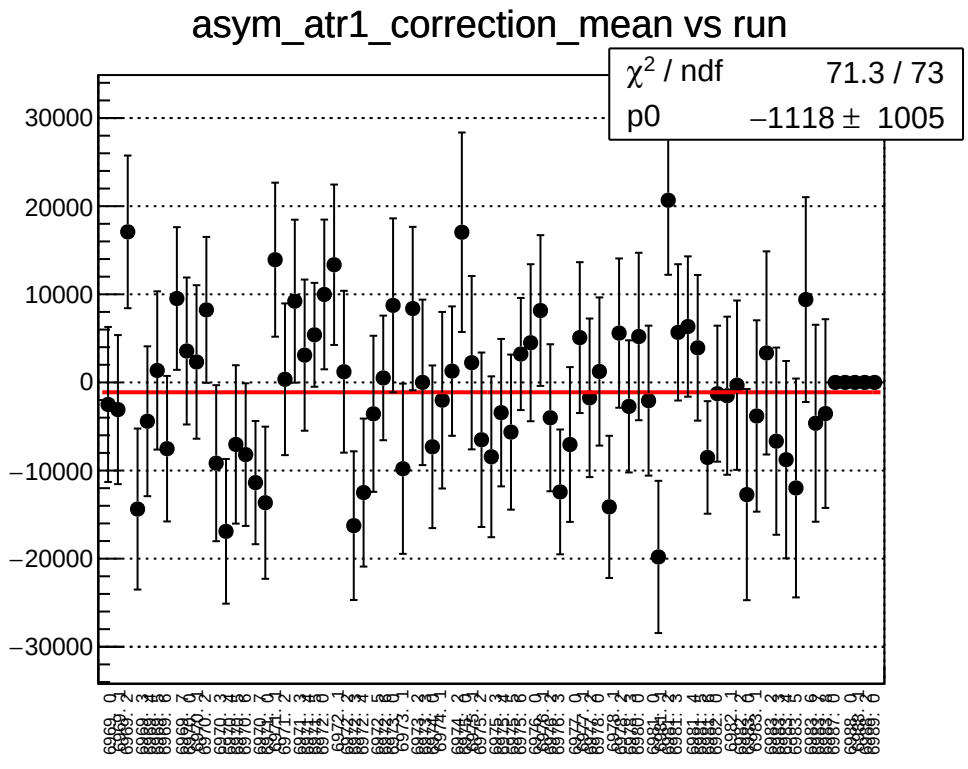

pull1D
Entries 79
Mean 0.02139
Std Dev 1.078

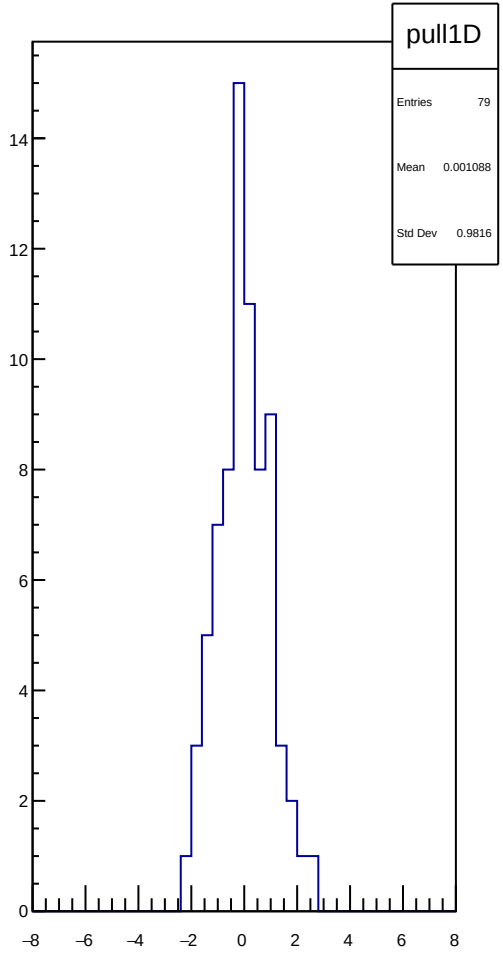

asym_atl2_rms vs run
χ2 / ndf 4.908e+04 / 78
p0 1.455e+04 ± 11.84
20000
18000
16000
14000
12000
10000
8000

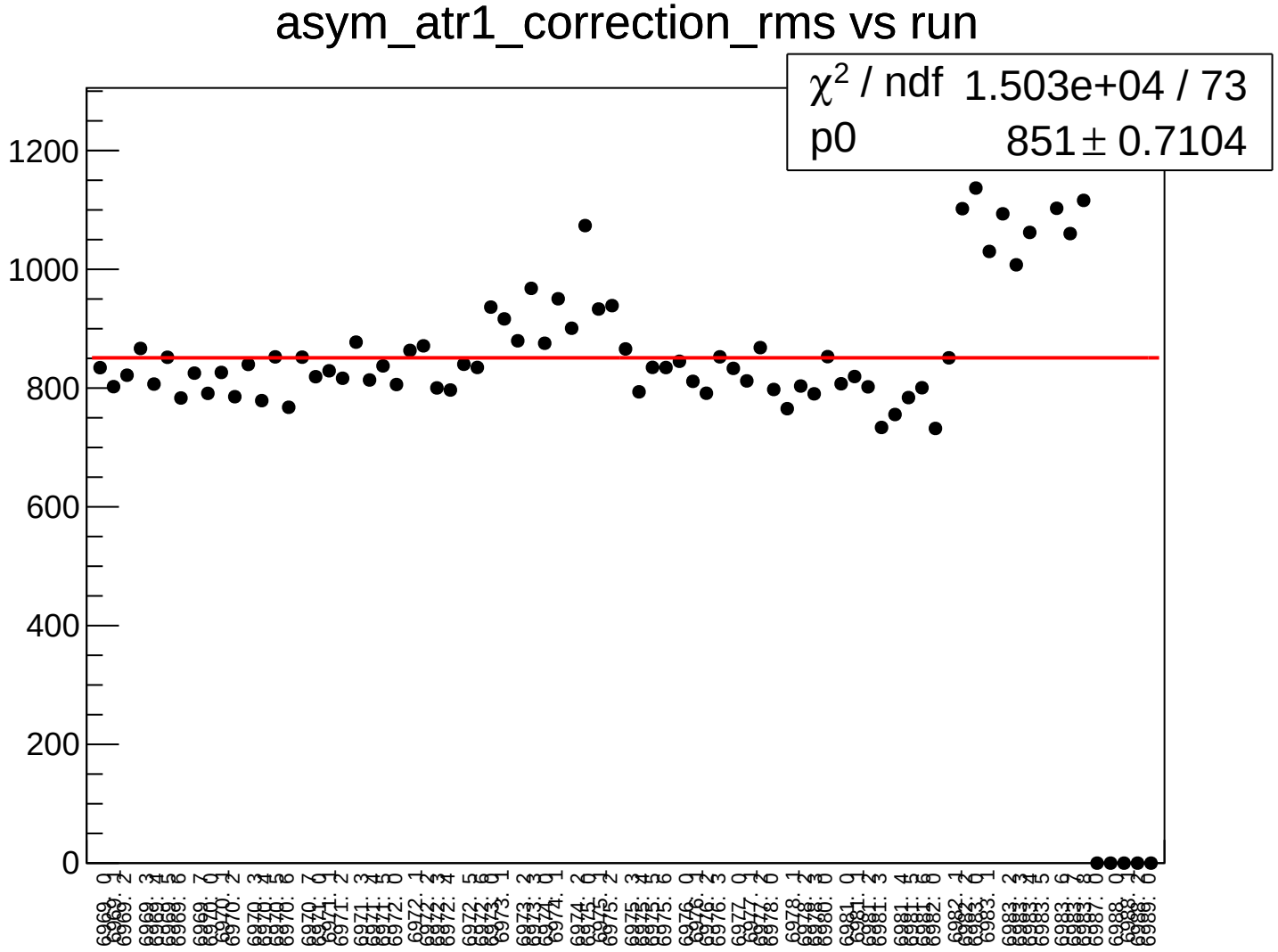

dit_asym_atr1_mean vs run
×10^3
χ^2 / ndf 75.51 / 78
p0 5343 ± 3146
pull
Entries 79
Mean 25.24
Std Dev 67.06

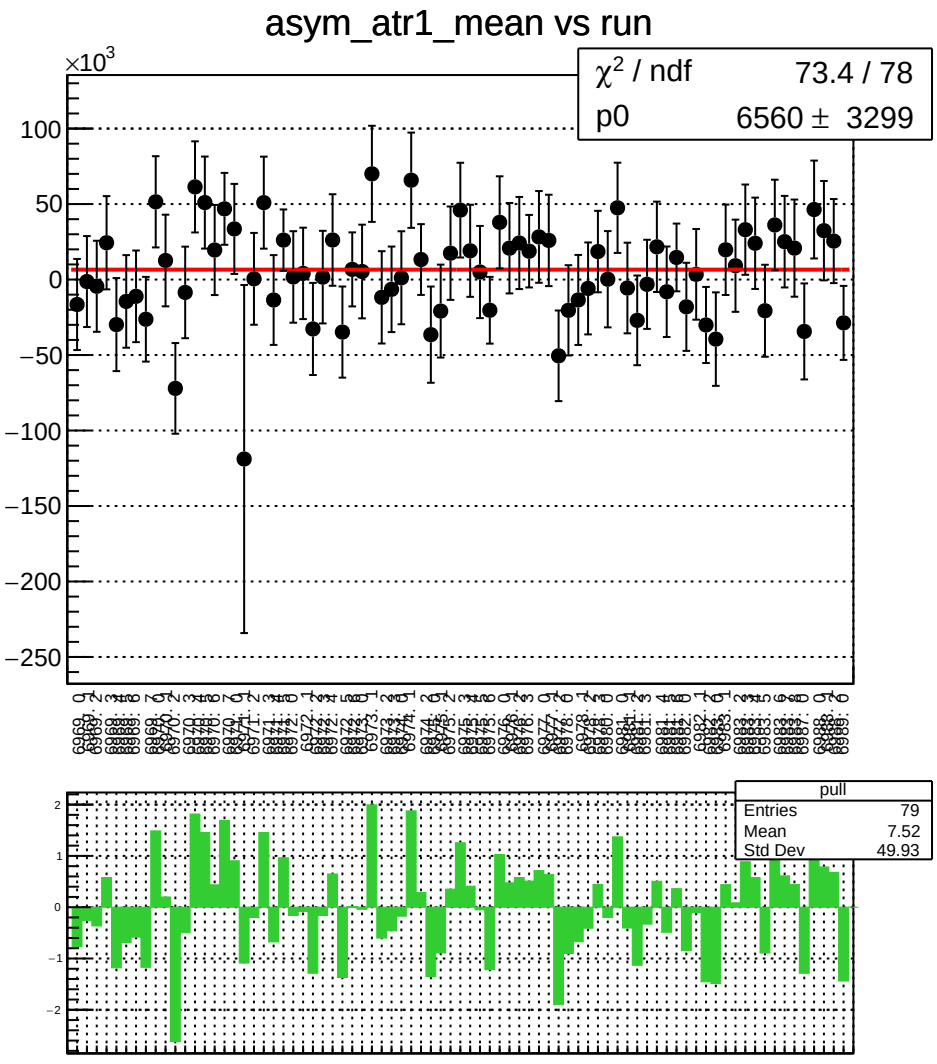

pull1D
Entries 79
Mean −0.008192
Std Dev 0.9777

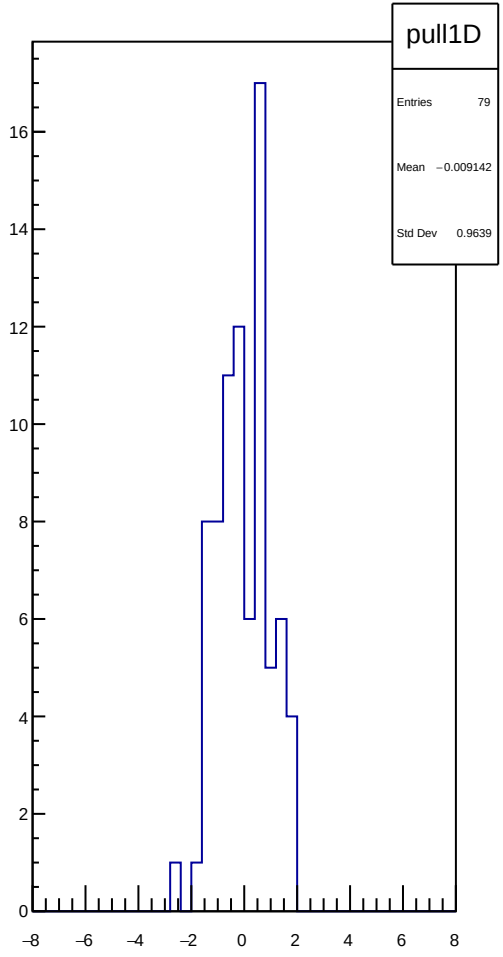

dit_asym_atr1_rms vs run
χ^2 / ndf 1.167e+04 / 78
p0 2768 ± 2.225
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000


asym_atr1_correction_mean vs run
χ² / ndf 71.3 / 73
p0 −1118 ± 1005
30000
20000
10000
0
−10000
−20000
−30000

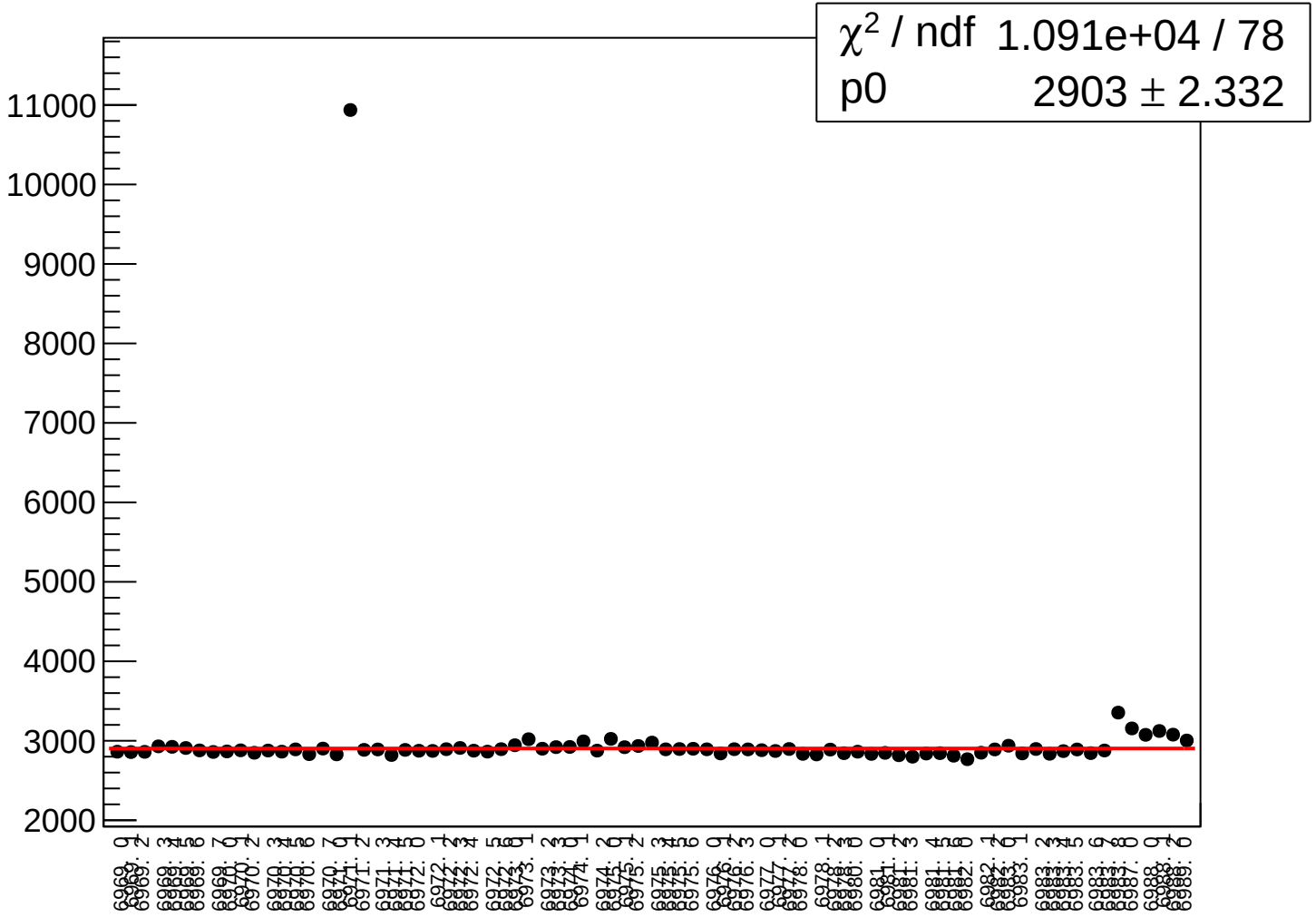

pull1D
Entries 79
Mean 0.001088
Std Dev 0.9816
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

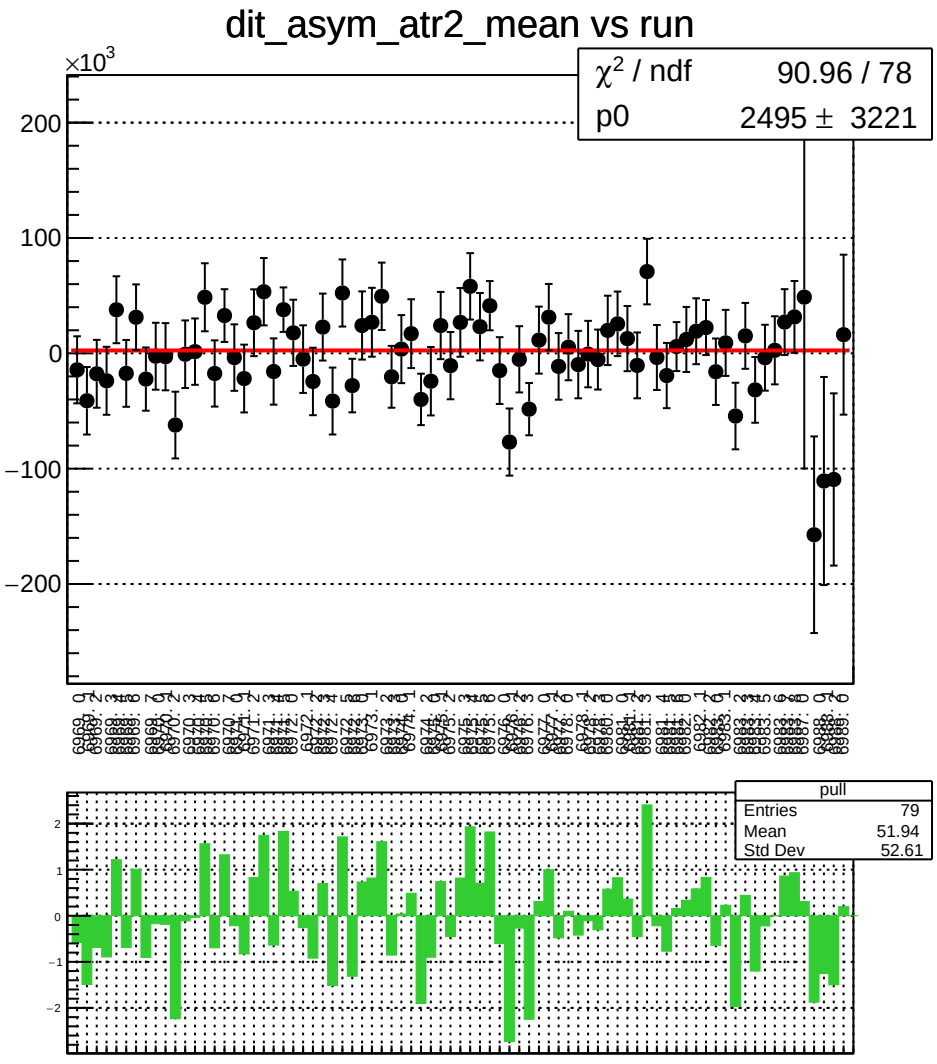

asym_atr1_correction_rms vs run
χ^2 / ndf 1.503e+04 / 73
p0 851 ± 0.7104
1200
1000
800
600
400
200
0

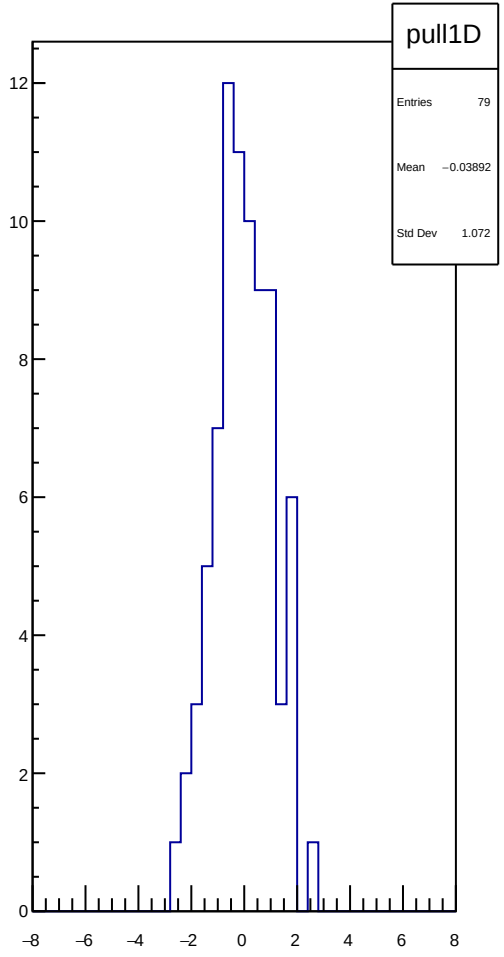

asym_atr1_mean vs run
×10^3
χ² / ndf 73.4 / 78
p0 6560 ± 3299
pull
Entries 79
Mean 7.52
Std Dev 49.93

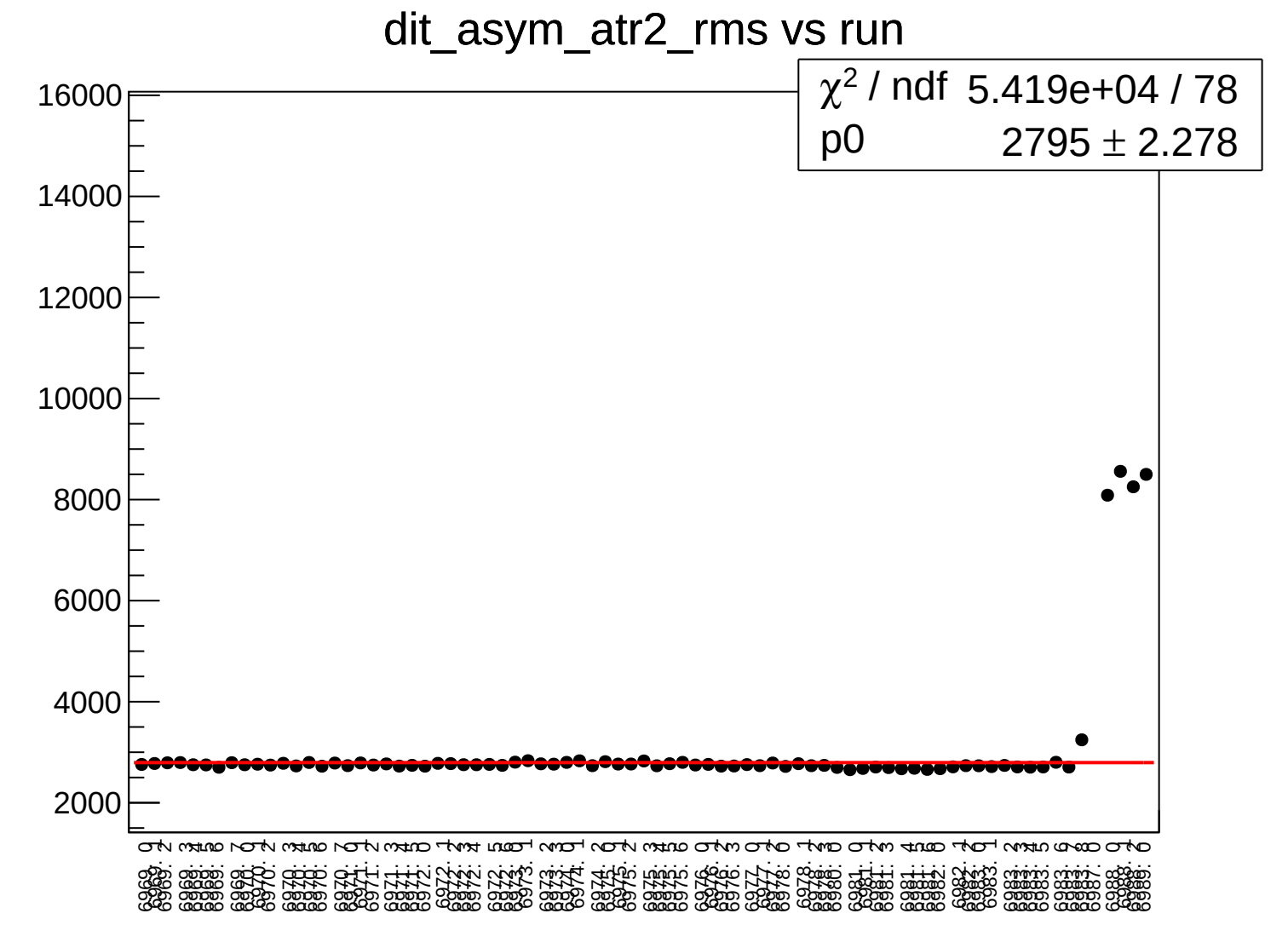

pull1D
Entries 79
Mean −0.009142
Std Dev 0.9639

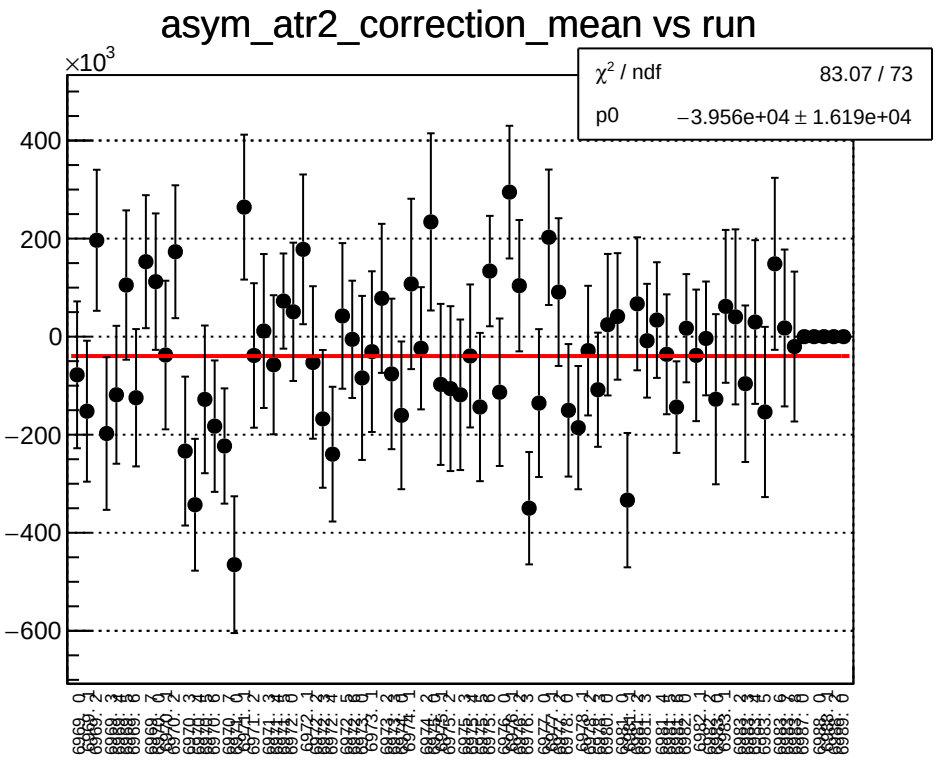
asym_atr1_rms vs run

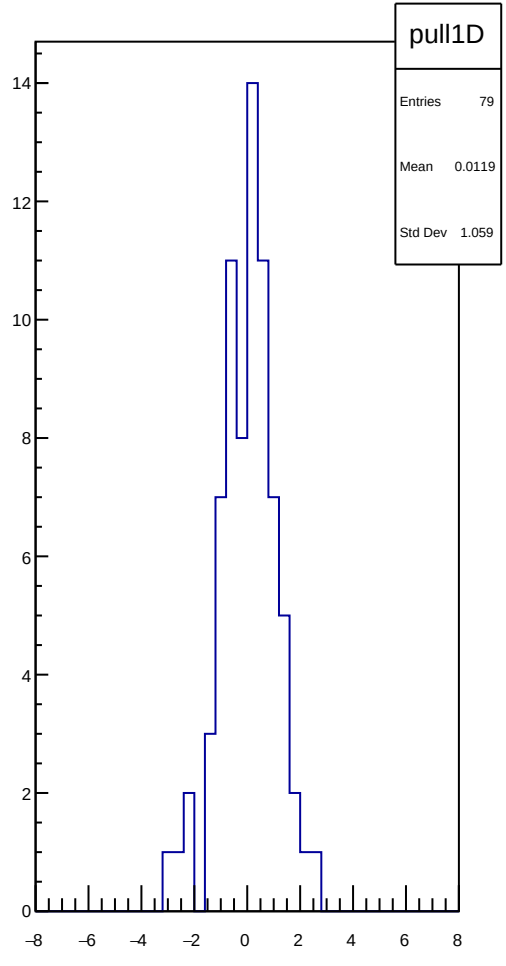


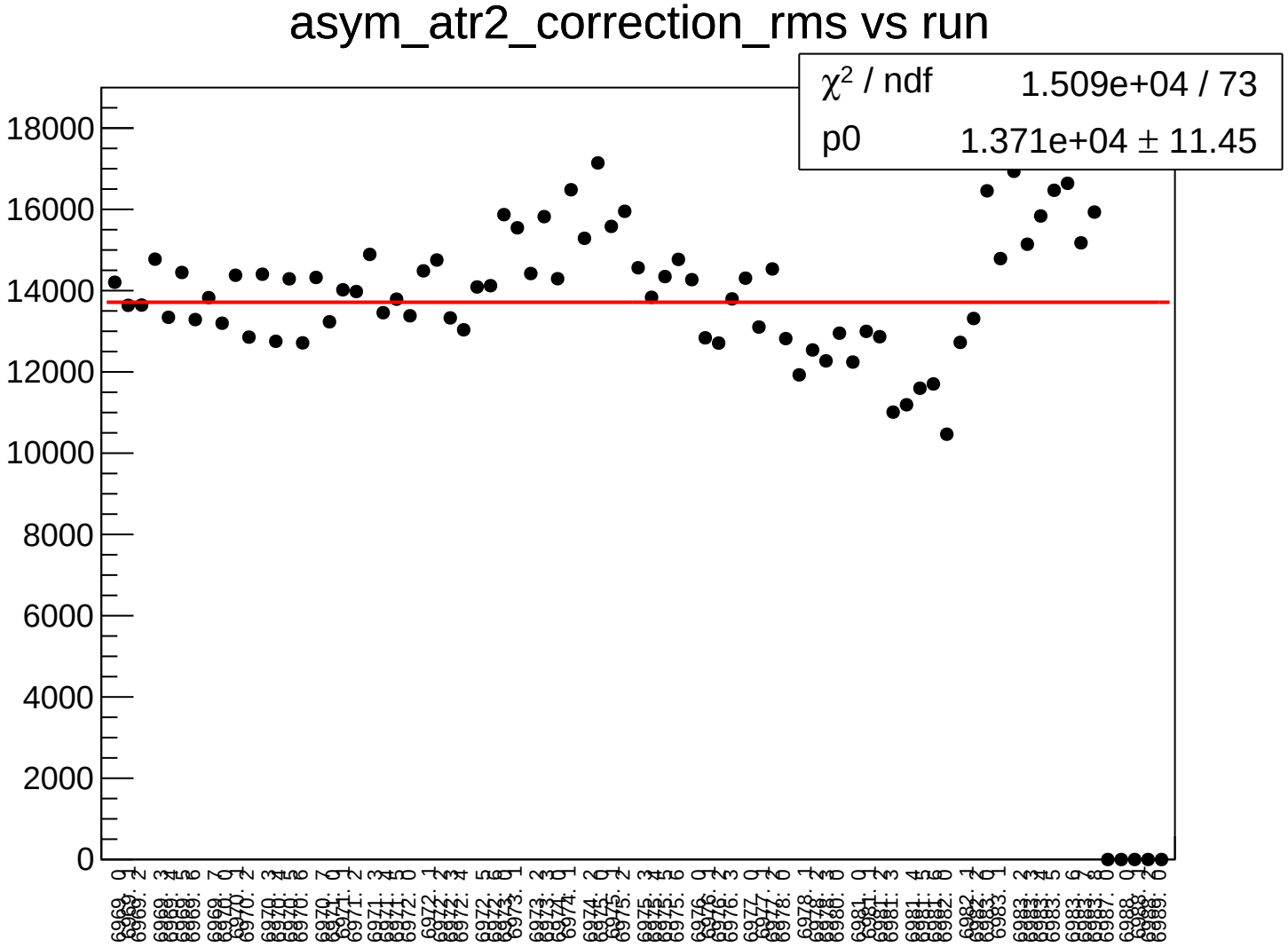

dit_asym_atr2_mean vs run
×10^3
χ² / ndf 90.96 / 78
p0 2495 ± 3221
200
100
0
−100
−200
pull
Entries 79
Mean 51.94
Std Dev 52.61
2
1
0
−1
−2

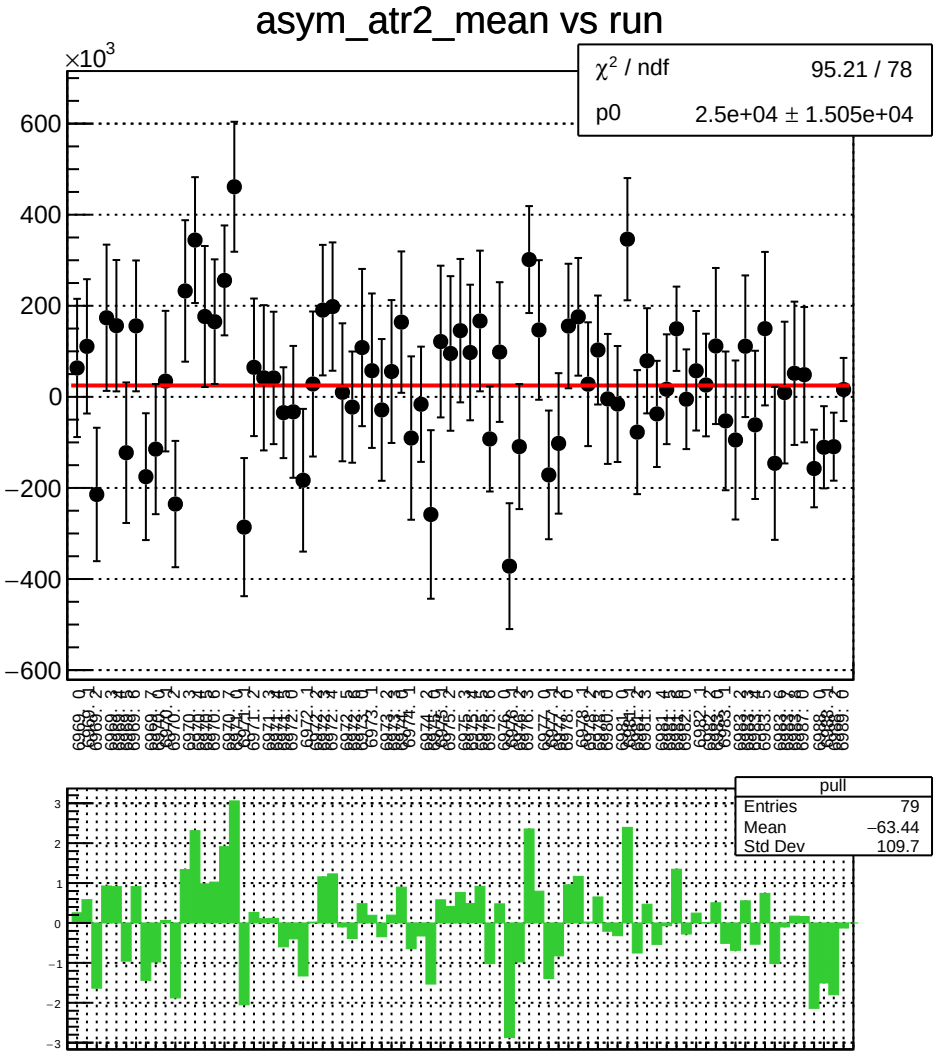

pull1D
Entries 79
Mean −0.03892
Std Dev 1.072
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

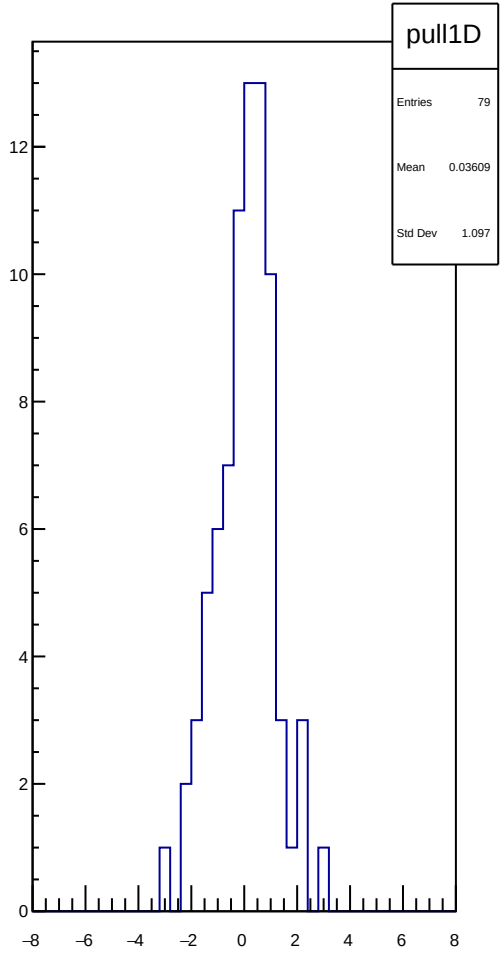

dit_asym_atr2_rms vs run
χ2 / ndf 5.419e+04 / 78
p0 2795 ± 2.278
16000
14000
12000
10000
8000
6000
4000
2000

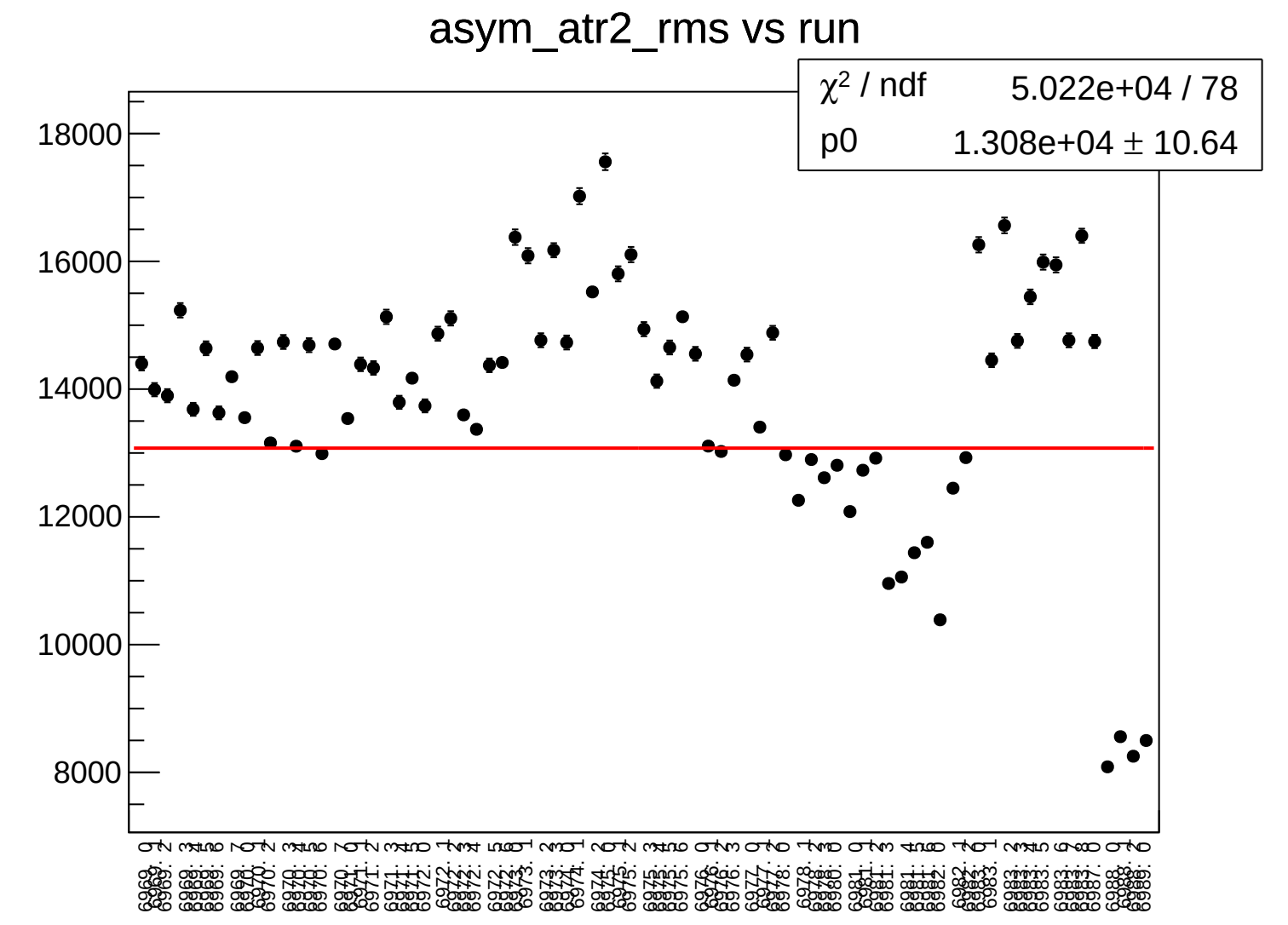

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 83.07 / 73
p0 −3.956e+04 ± 1.619e+04
400
200
0
−200
−400
−600

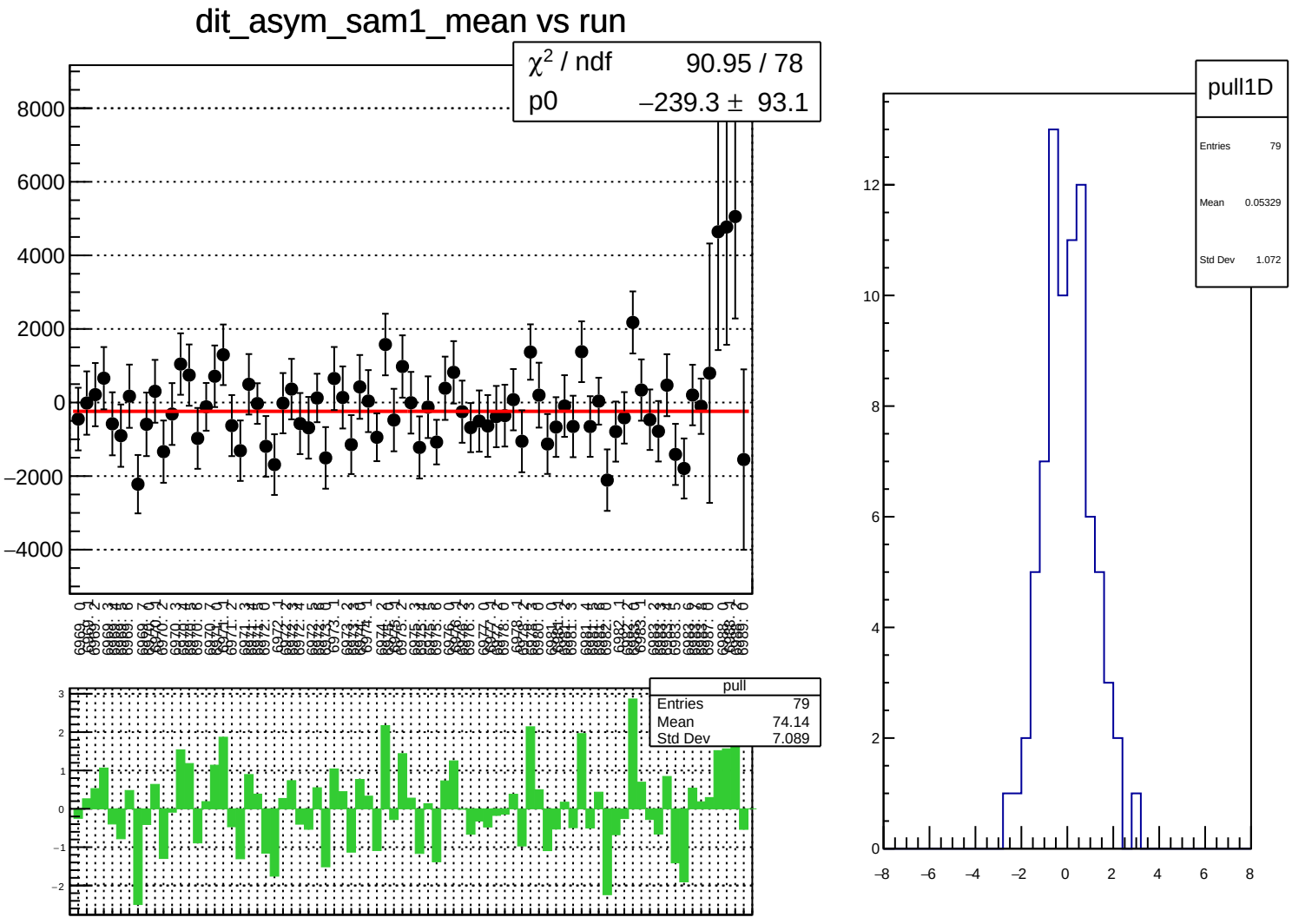

pull1D
Entries 79
Mean 0.0119
Std Dev 1.059
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr2_correction_rms vs run
χ2 / ndf 1.509e+04 / 73
p0 1.371e+04 ± 11.45
18000
16000
14000
12000
10000
8000
6000
4000
2000
0

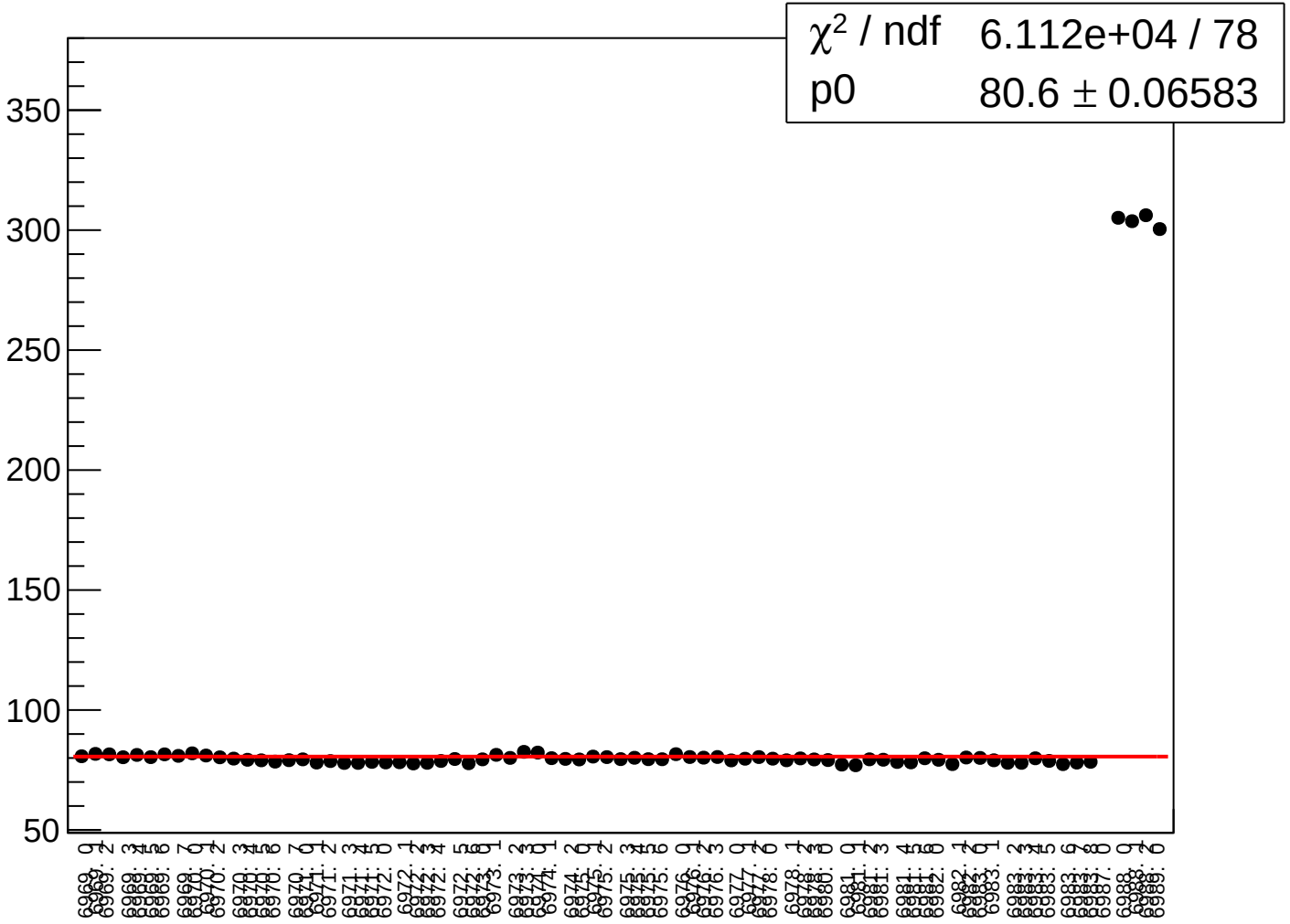

asym_atr2_mean vs run
×10^3
χ² / ndf 95.21 / 78
p0 2.5e+04 ± 1.505e+04
pull
Entries 79
Mean −63.44
Std Dev 109.7

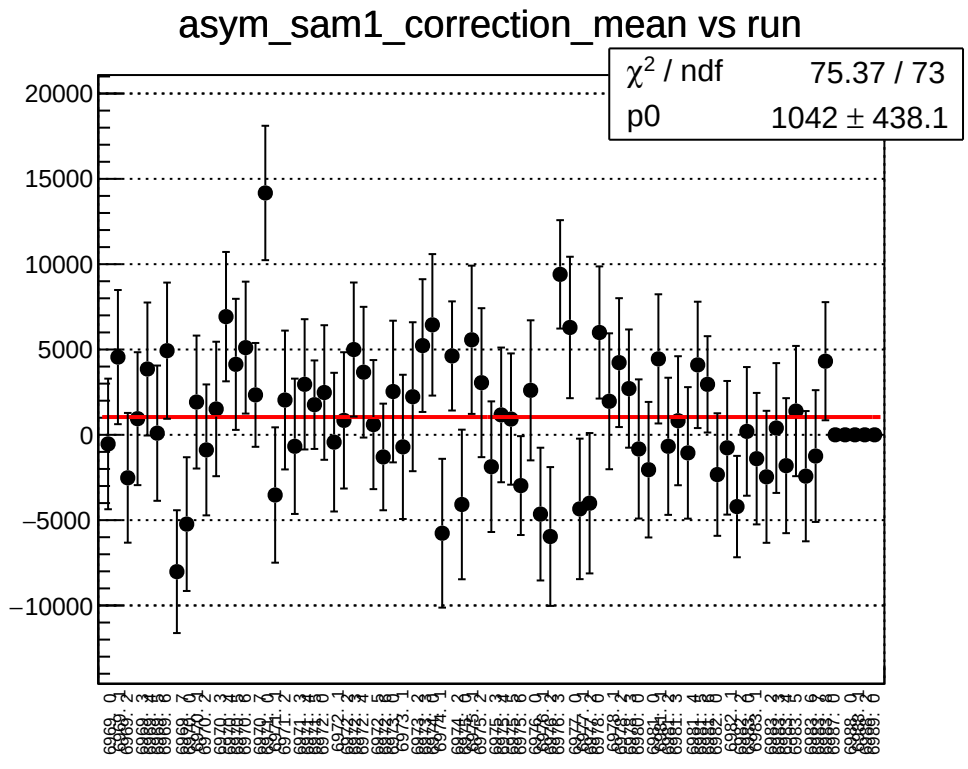

pull1D
Entries 79
Mean 0.03609
Std Dev 1.097

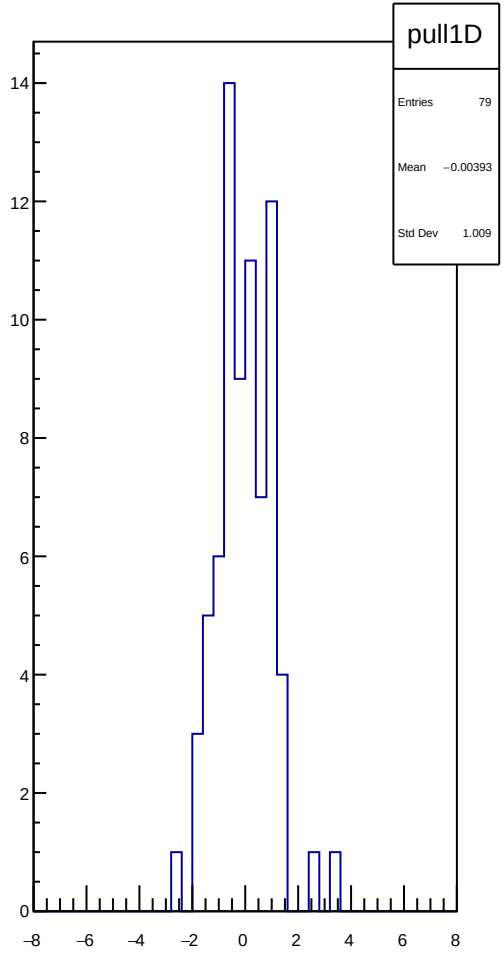

asym_atr2_rms vs run
χ2 / ndf 5.022e+04 / 78
p0 1.308e+04 ± 10.64
18000
16000
14000
12000
10000
8000


dit_asym_sam1_mean vs run
χ² / ndf 90.95 / 78
p0 −239.3 ± 93.1
pull
Entries 79
Mean 74.14
Std Dev 7.089
pull1D
Entries 79
Mean 0.05329
Std Dev 1.072

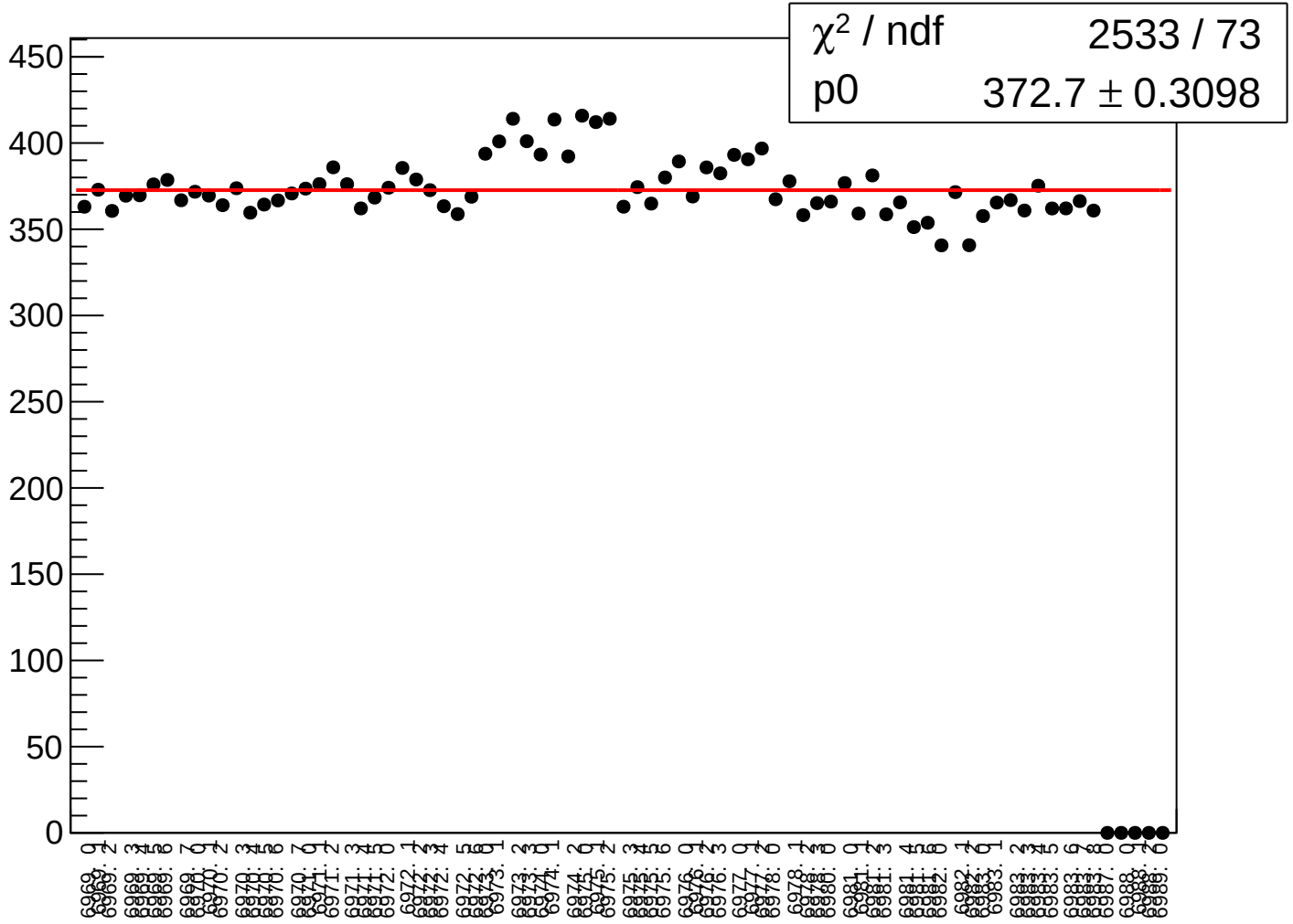
dit_asym_sam1_rms vs run

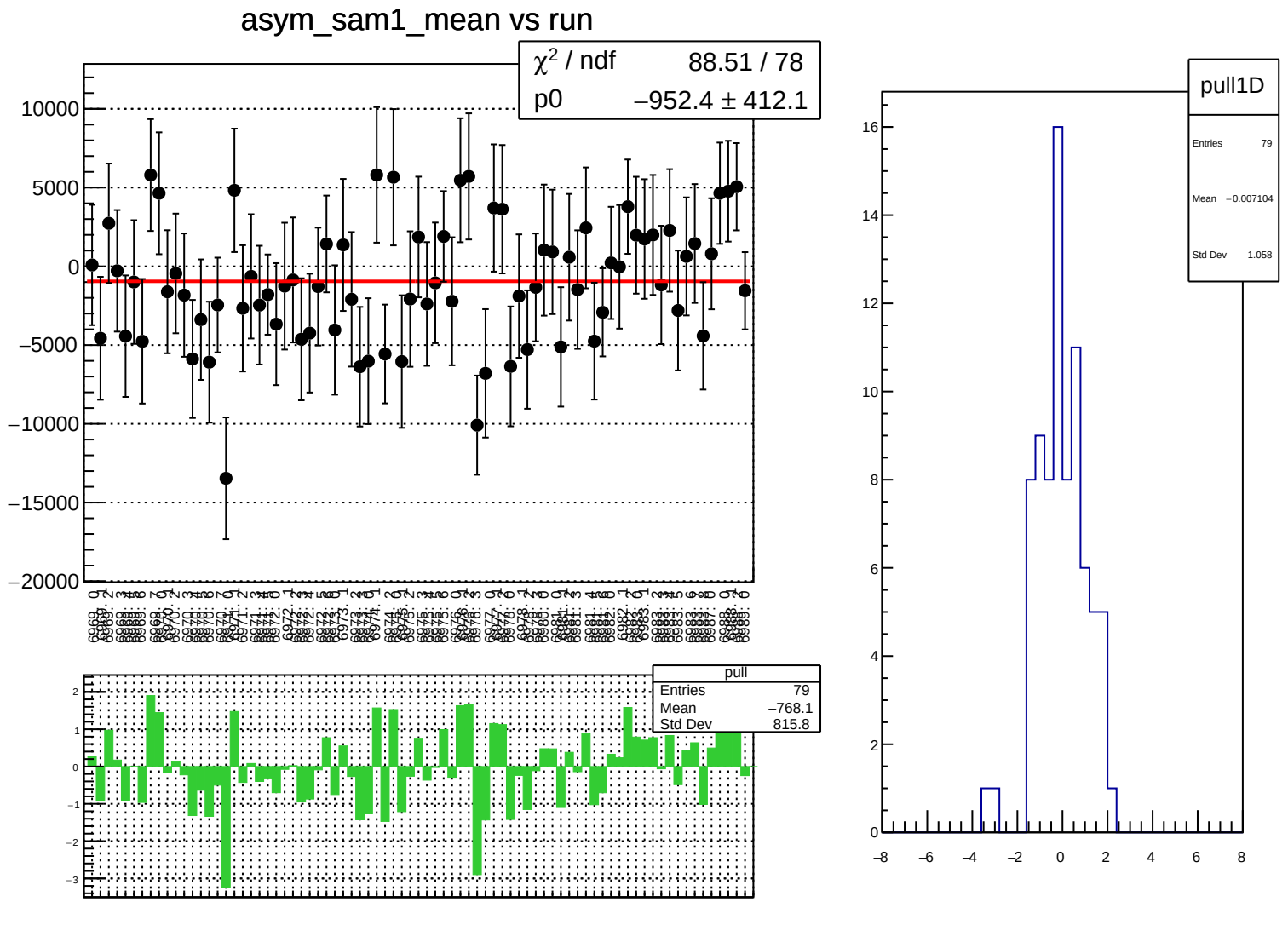


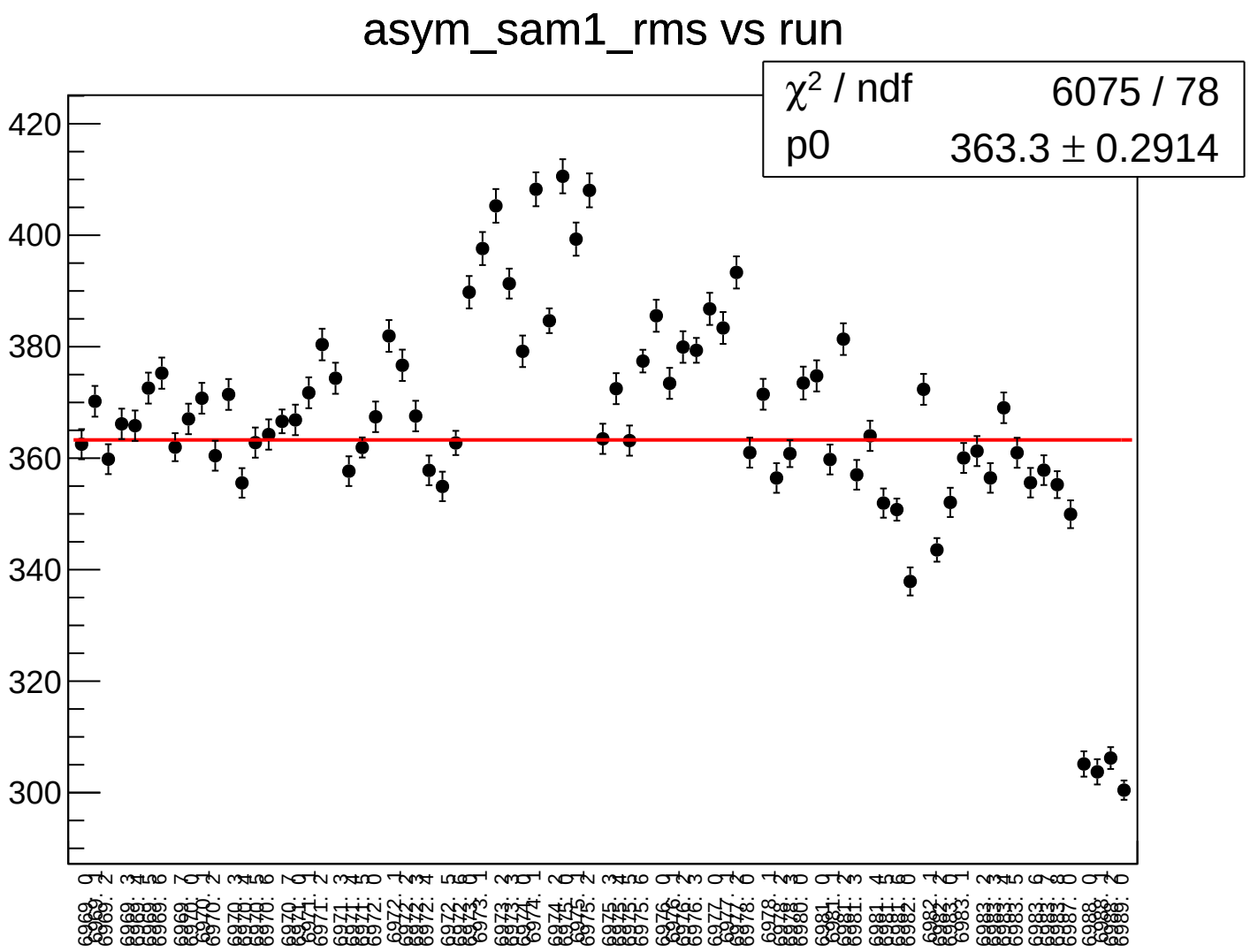

asym_sam1_correction_mean vs run
χ^2 / ndf 75.37 / 73
p0 1042 ± 438.1
20000
15000
10000
5000
0
−5000
−10000

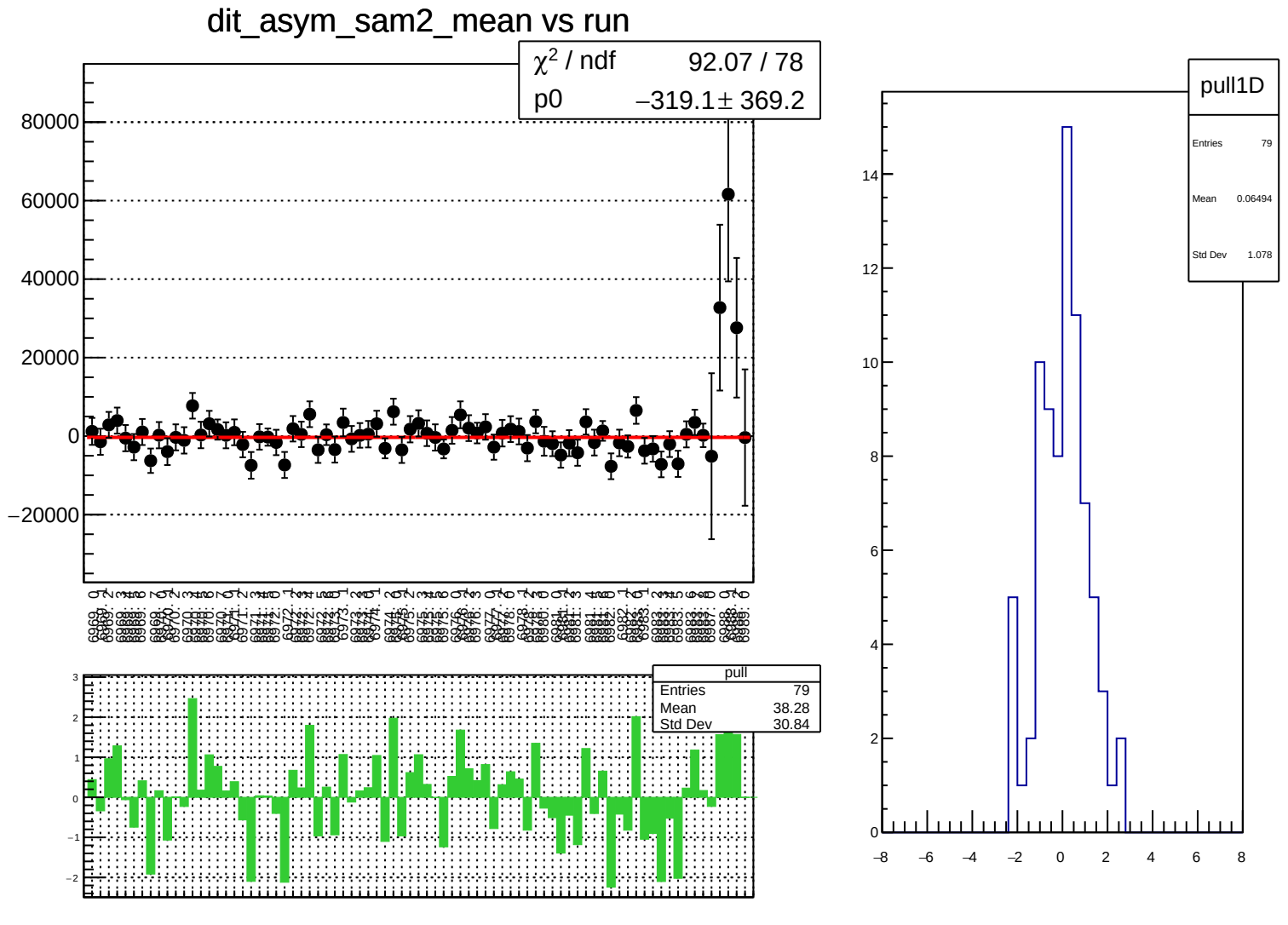

pull1D
Entries 79
Mean −0.00393
Std Dev 1.009
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

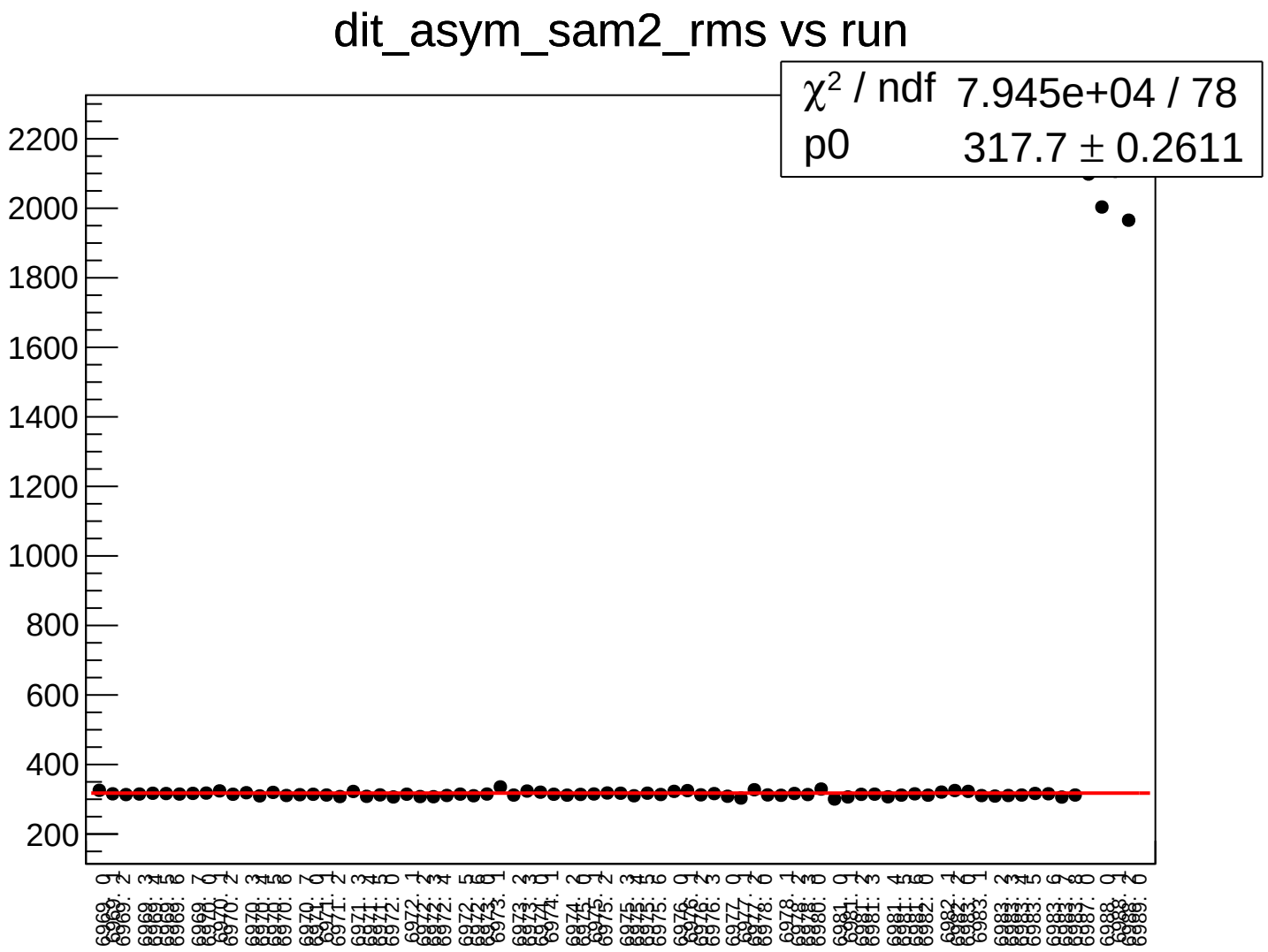
asym_sam1_correction_rms vs run

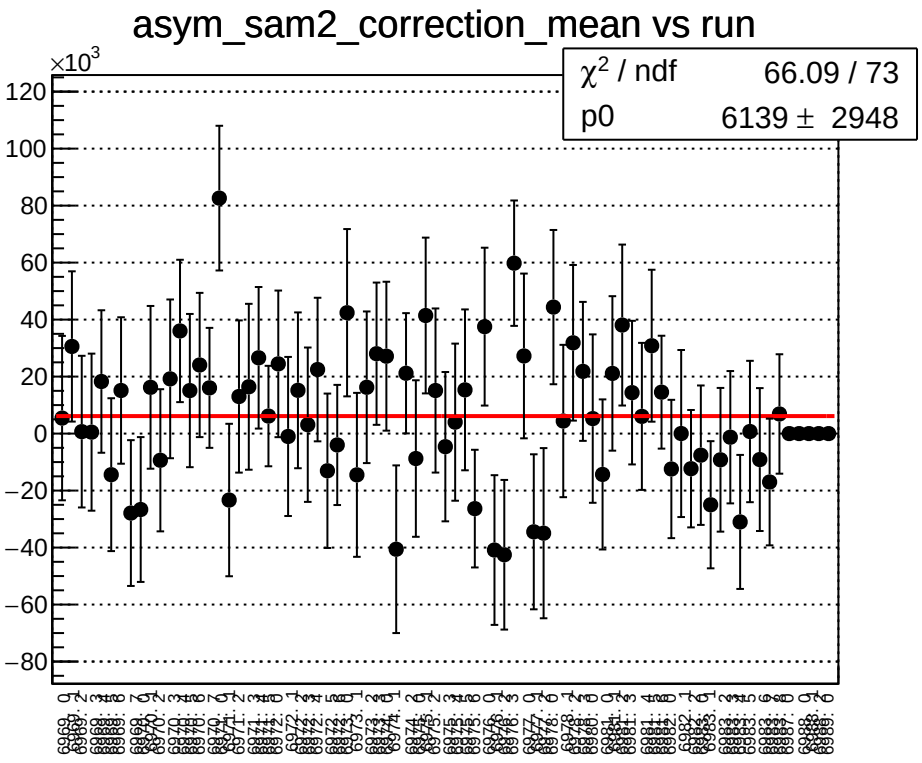


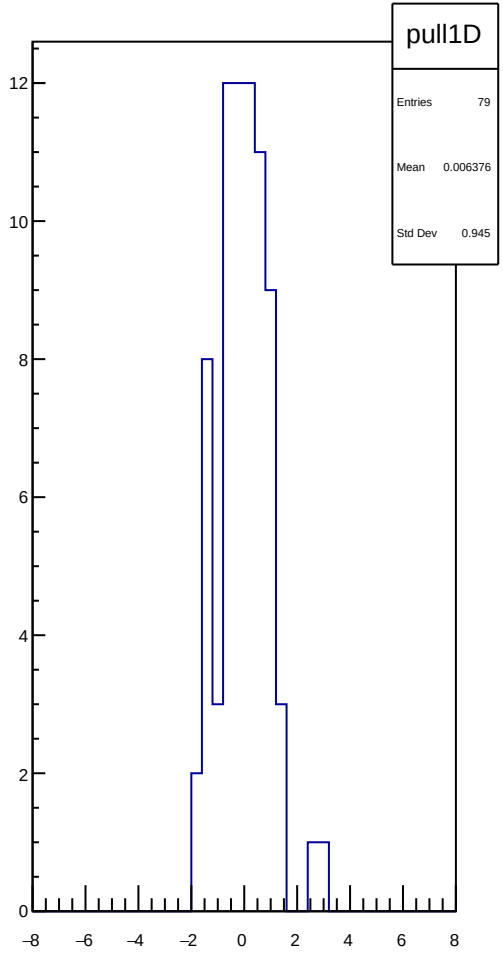

asym_sam1_mean vs run
χ^2 / ndf 88.51 / 78
p0 −952.4 ± 412.1
pull
Entries 79
Mean −768.1
Std Dev 815.8
pull1D
Entries 79
Mean −0.007104
Std Dev 1.058

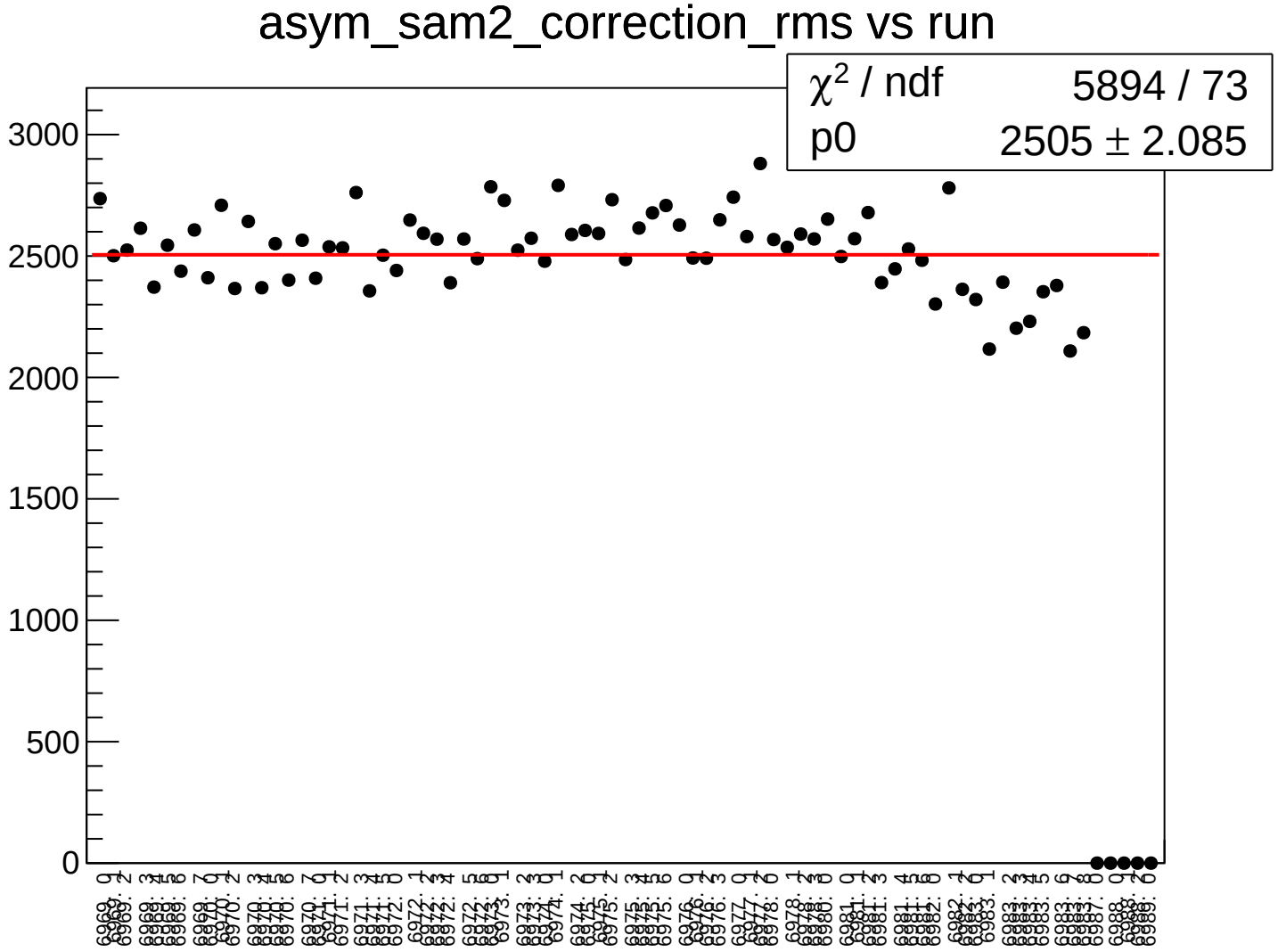

asym_sam1_rms vs run
χ² / ndf 6075 / 78
p0 363.3 ± 0.2914
420
400
380
360
340
320
300

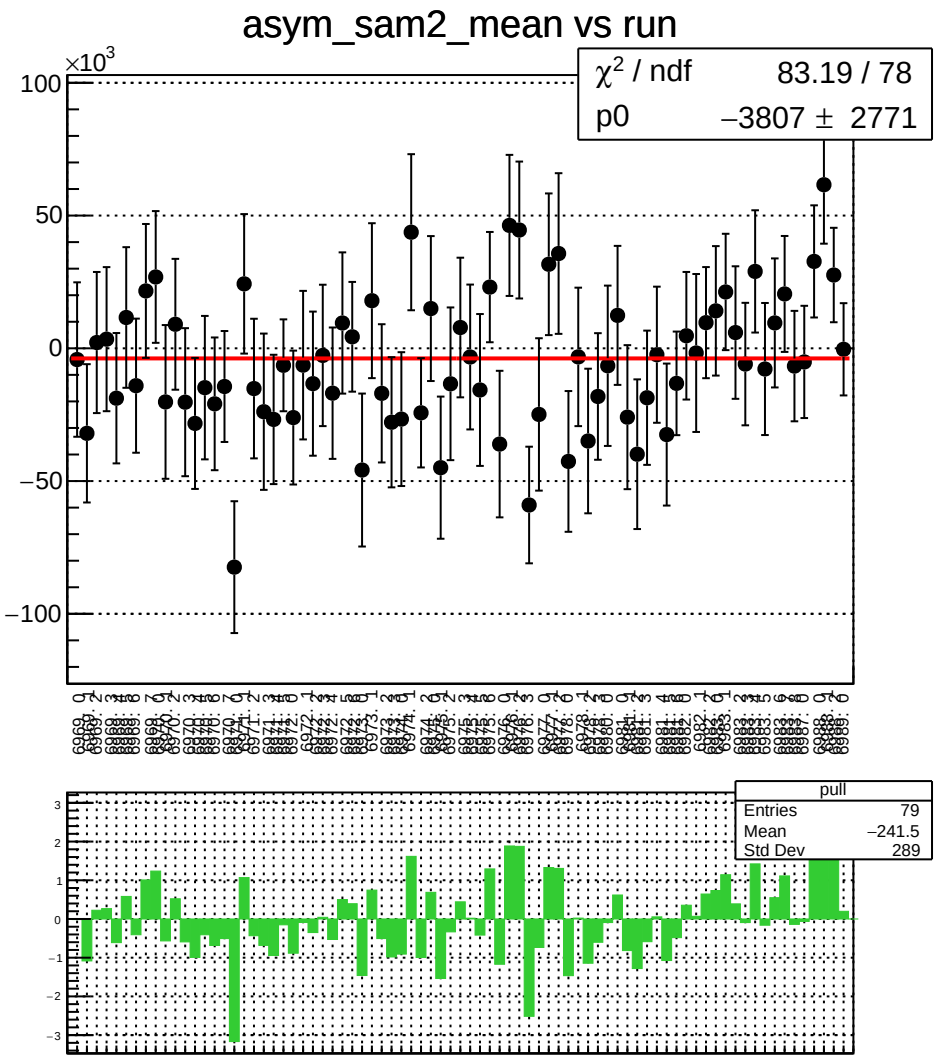

dit_asym_sam2_mean vs run
χ² / ndf 92.07 / 78
p0 −319.1 ± 369.2
80000
60000
40000
20000
0
−20000
pull
Entries 79
Mean 38.28
Std Dev 30.84
3
2
1
0
−1
−2
pull1D
Entries 79
Mean 0.06494
Std Dev 1.078
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

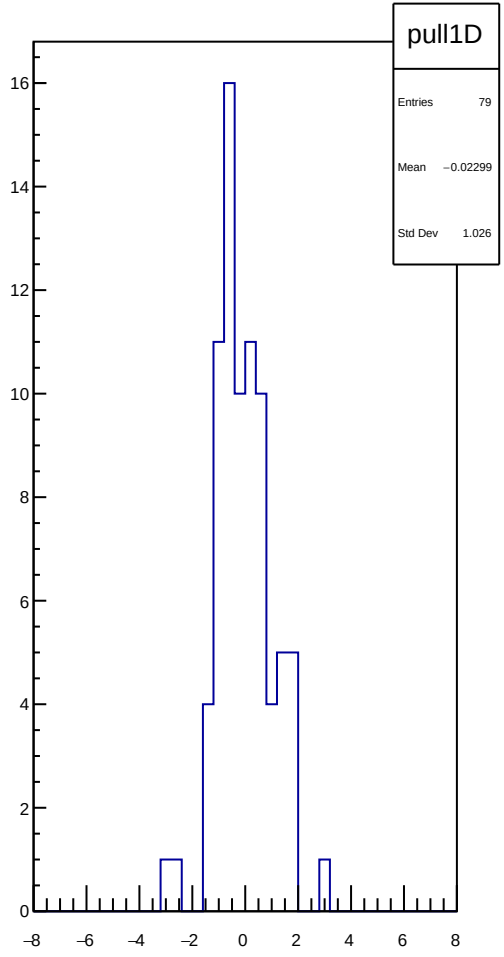

dit_asym_sam2_rms vs run
χ² / ndf 7.945e+04 / 78
p0 317.7 ± 0.2611
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

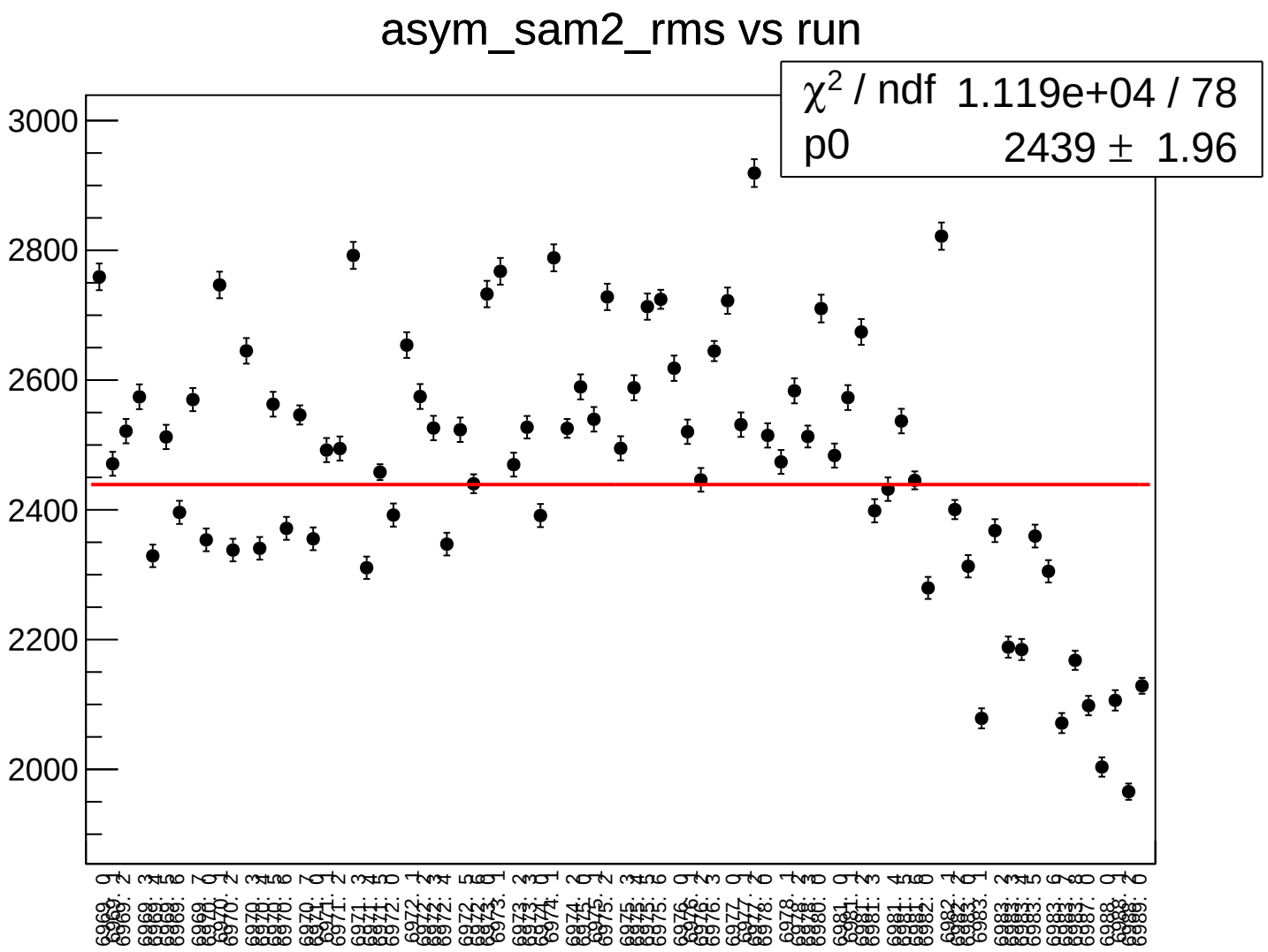

asym_sam2_correction_mean vs run
×10^3
χ^2 / ndf 66.09 / 73
p0 6139 ± 2948

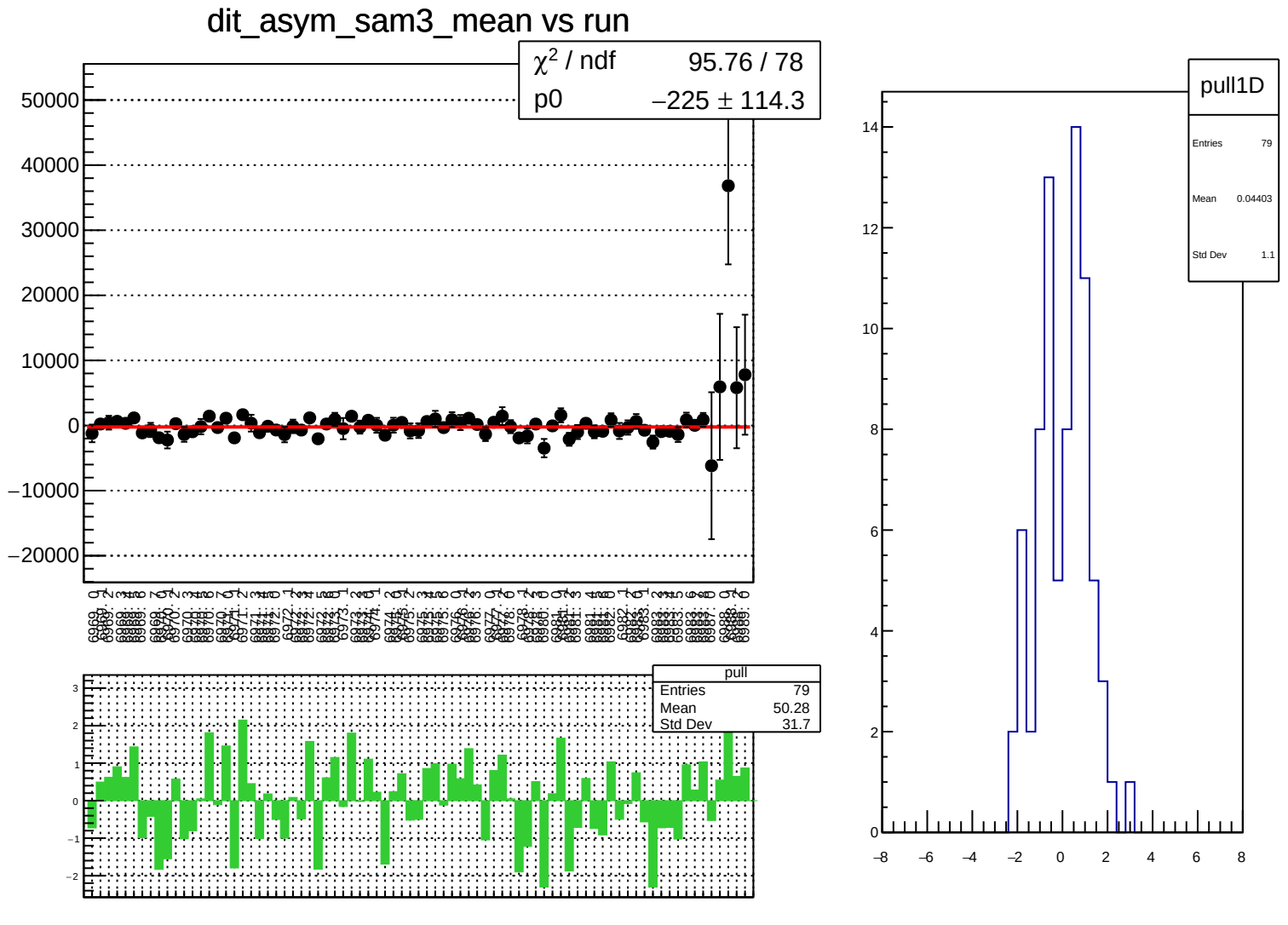

pull1D
Entries 79
Mean 0.006376
Std Dev 0.945

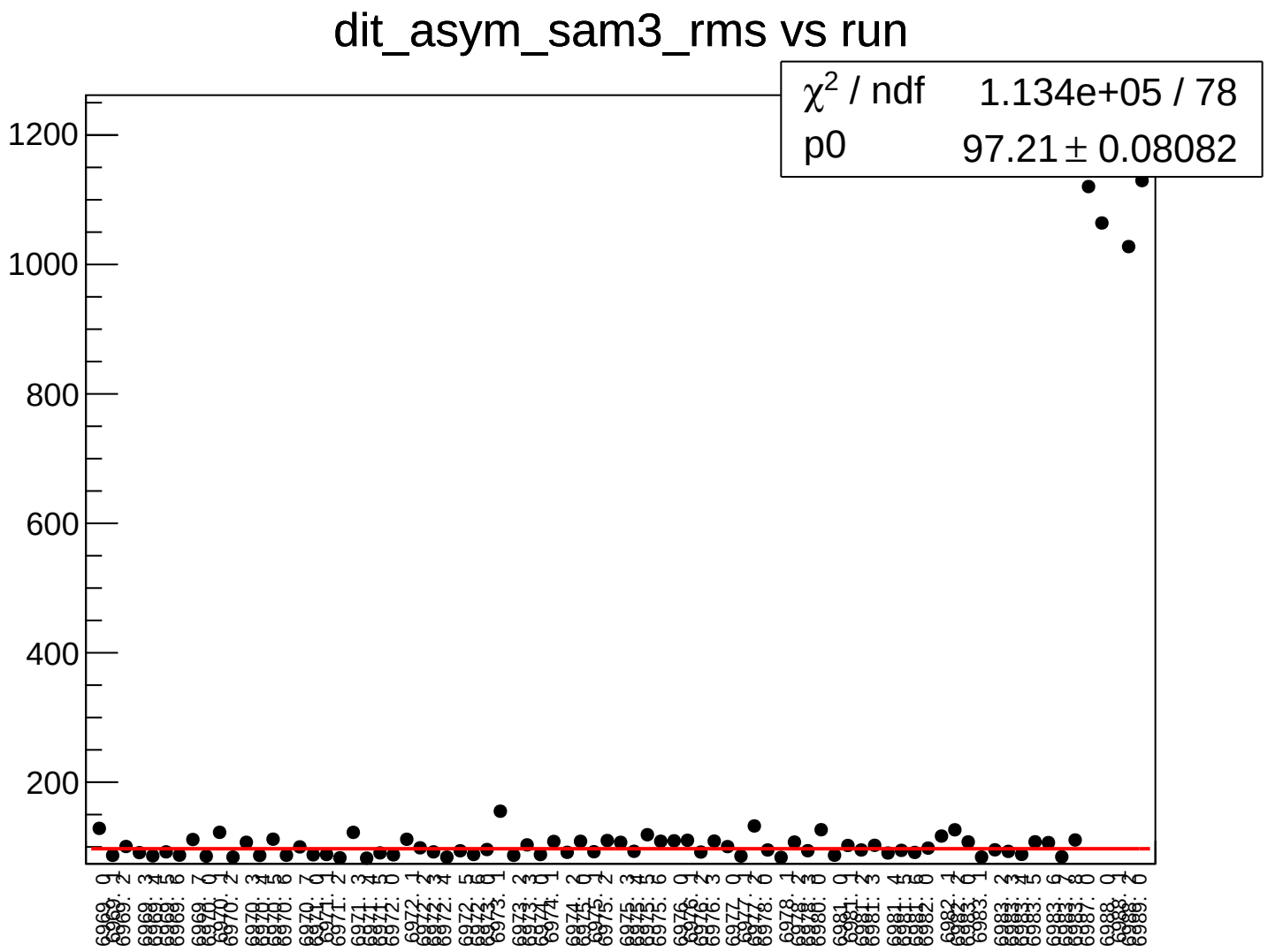

asym_sam2_correction_rms vs run
χ^2 / ndf 5894 / 73
p0 2505 ± 2.085
3000
2500
2000
1500
1000
500
0

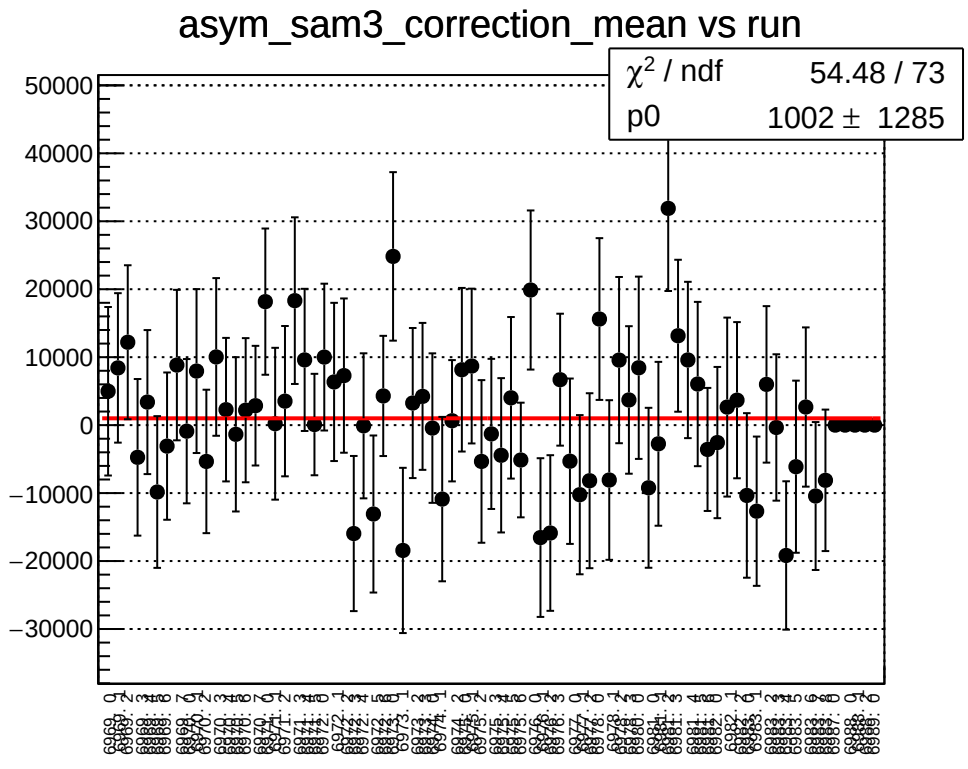

asym_sam2_mean vs run
×10^3
χ² / ndf 83.19 / 78
p0 −3807 ± 2771
pull
Entries 79
Mean −241.5
Std Dev 289

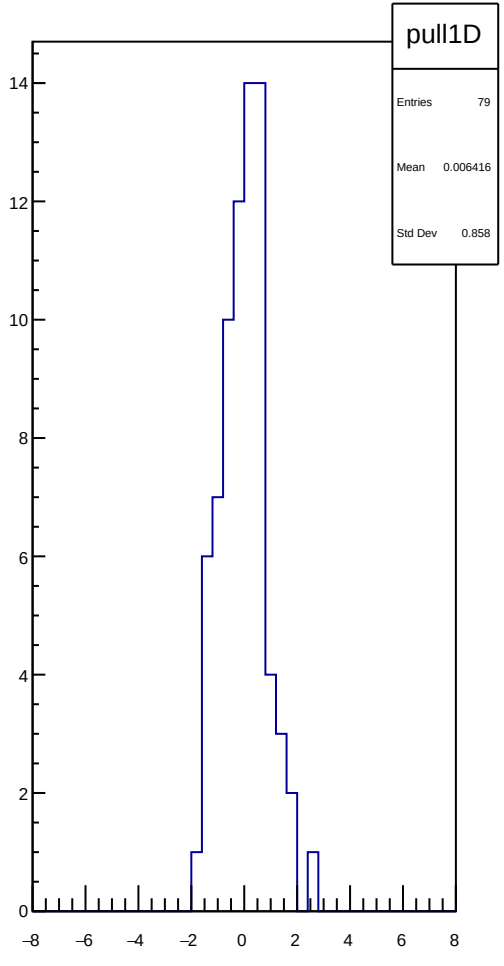

pull1D
Entries 79
Mean −0.02299
Std Dev 1.026

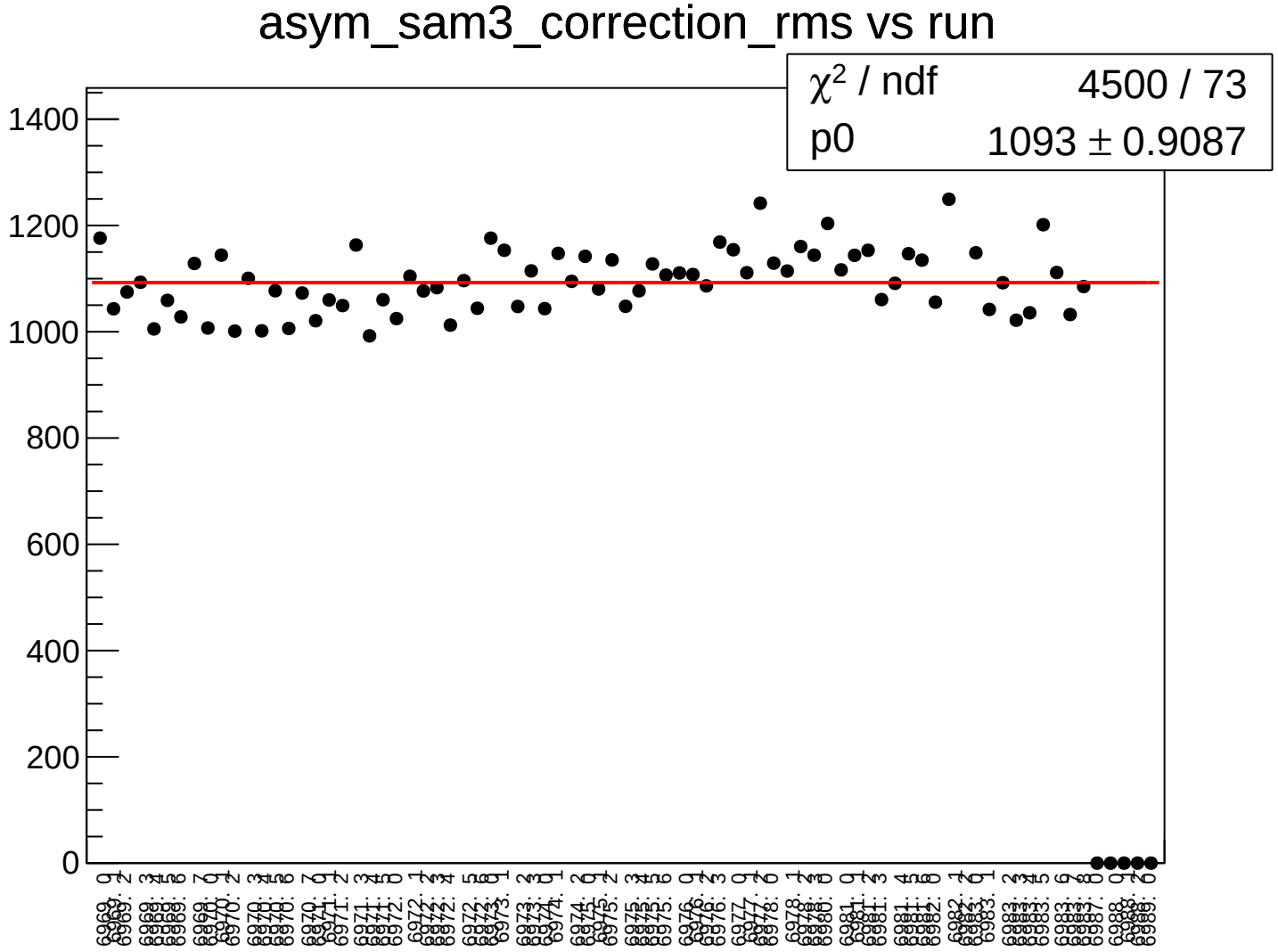

asym_sam2_rms vs run
χ^2 / ndf 1.119e+04 / 78
p0 2439 ± 1.96
3000
2800
2600
2400
2200
2000

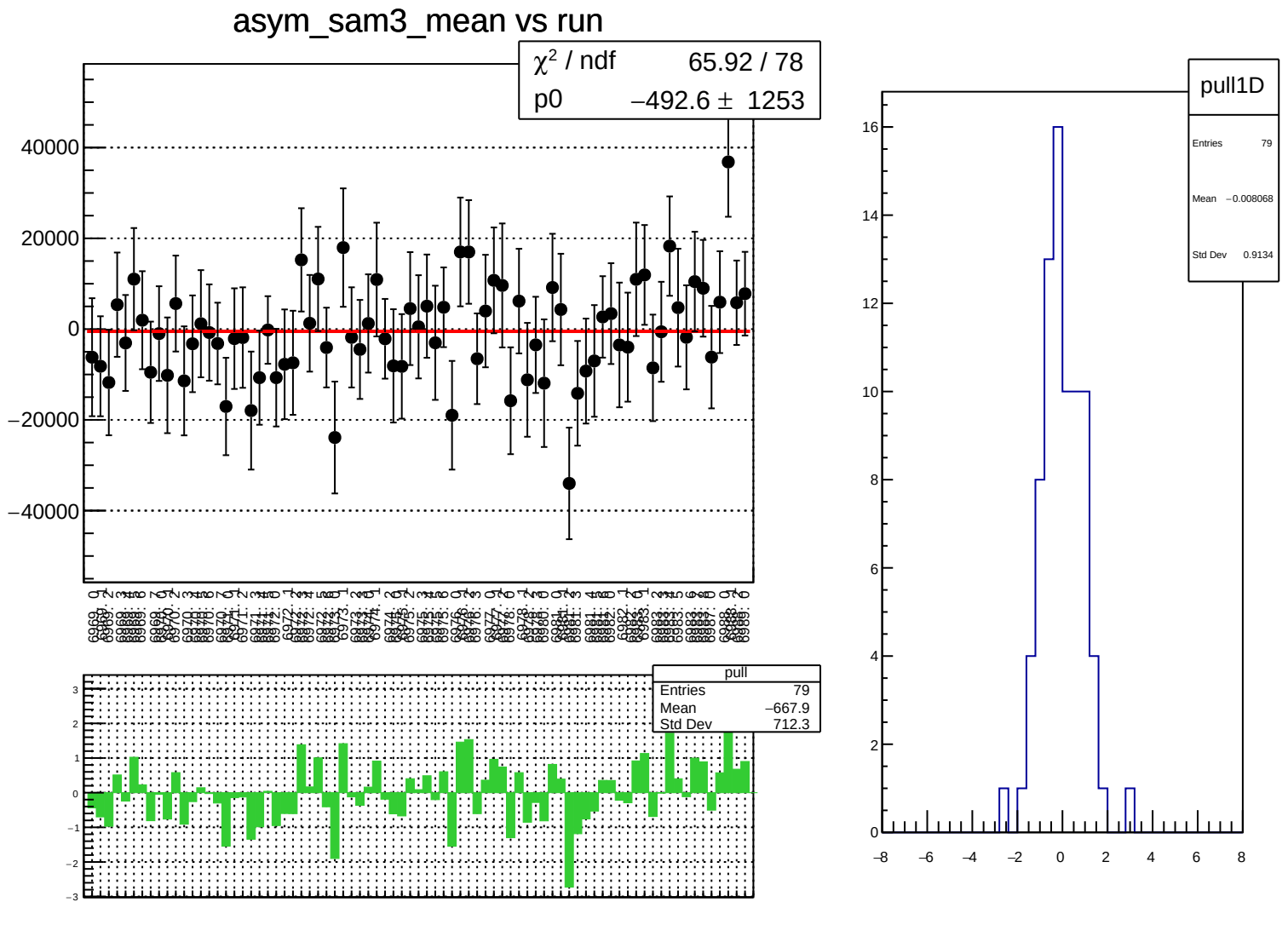

dit_asym_sam3_mean vs run
χ² / ndf 95.76 / 78
p0 −225 ± 114.3
pull
Entries 79
Mean 50.28
Std Dev 31.7
pull1D
Entries 79
Mean 0.04403
Std Dev 1.1

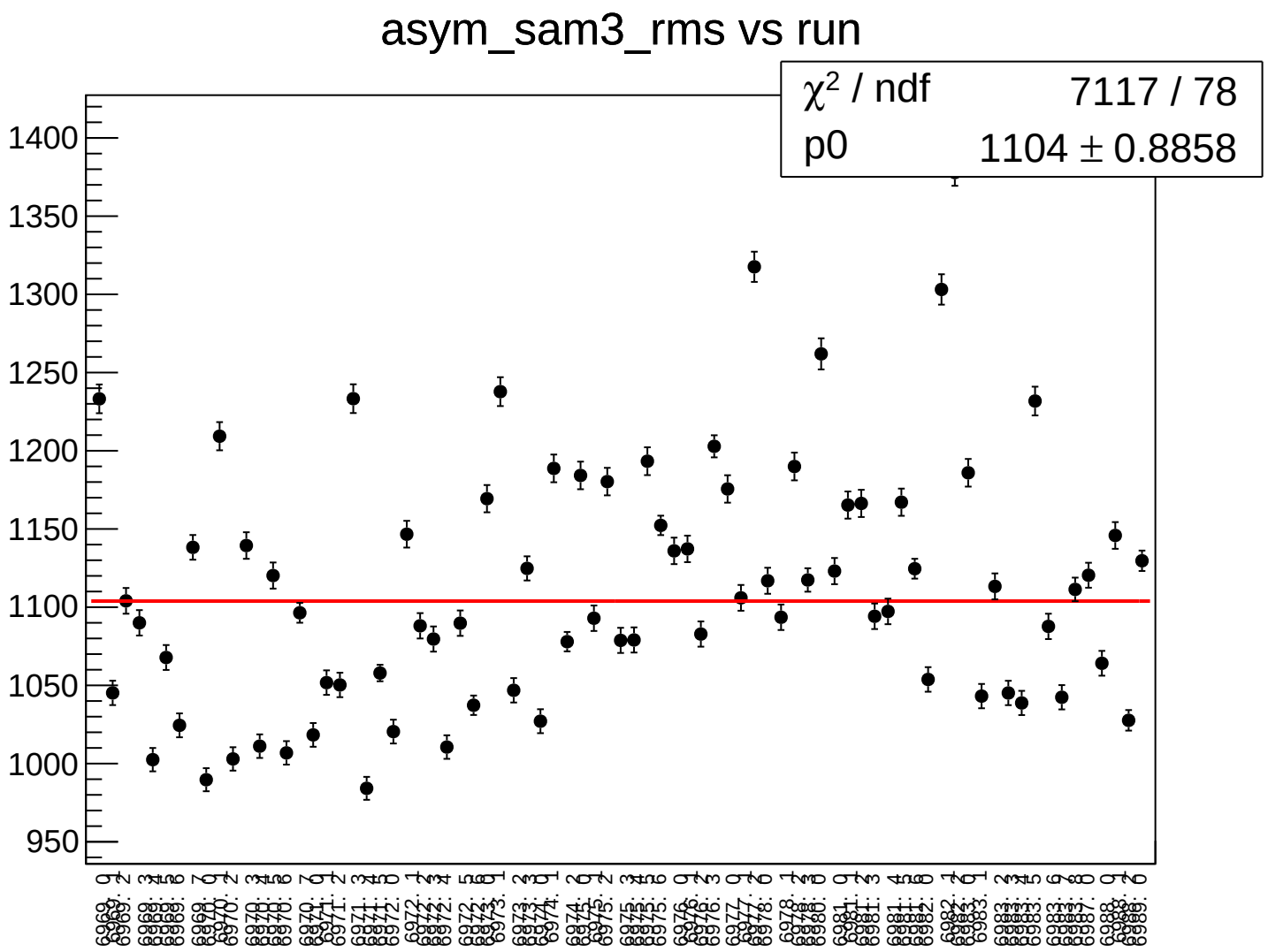

dit_asym_sam3_rms vs run
χ^2 / ndf 1.134e+05 / 78
p0 97.21 ± 0.08082
1200
1000
800
600
400
200

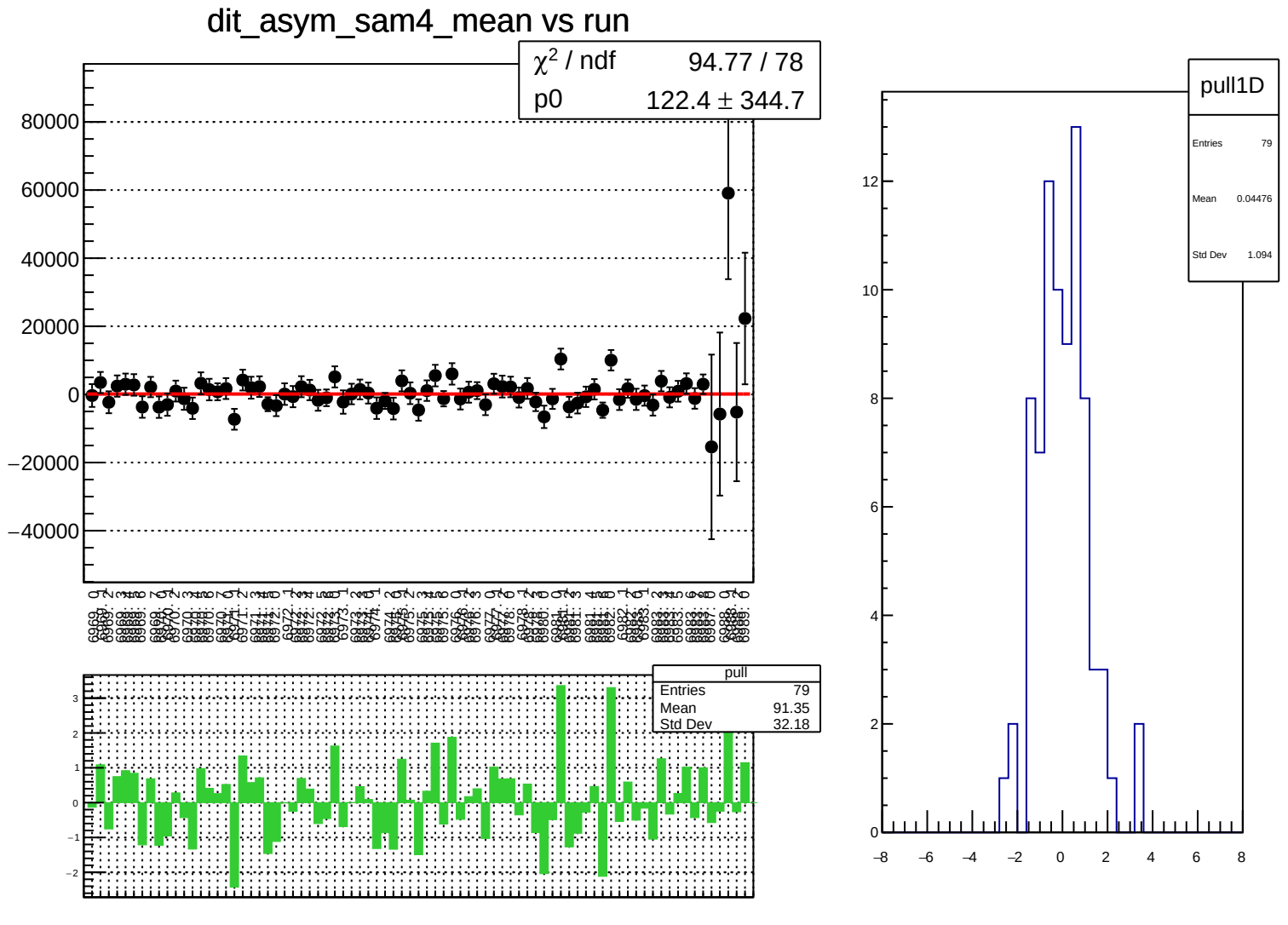

asym_sam3_correction_mean vs run
χ² / ndf 54.48 / 73
p0 1002 ± 1285
50000
40000
30000
20000
10000
0
−10000
−20000
−30000


pull1D
Entries 79
Mean 0.006416
Std Dev 0.858
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

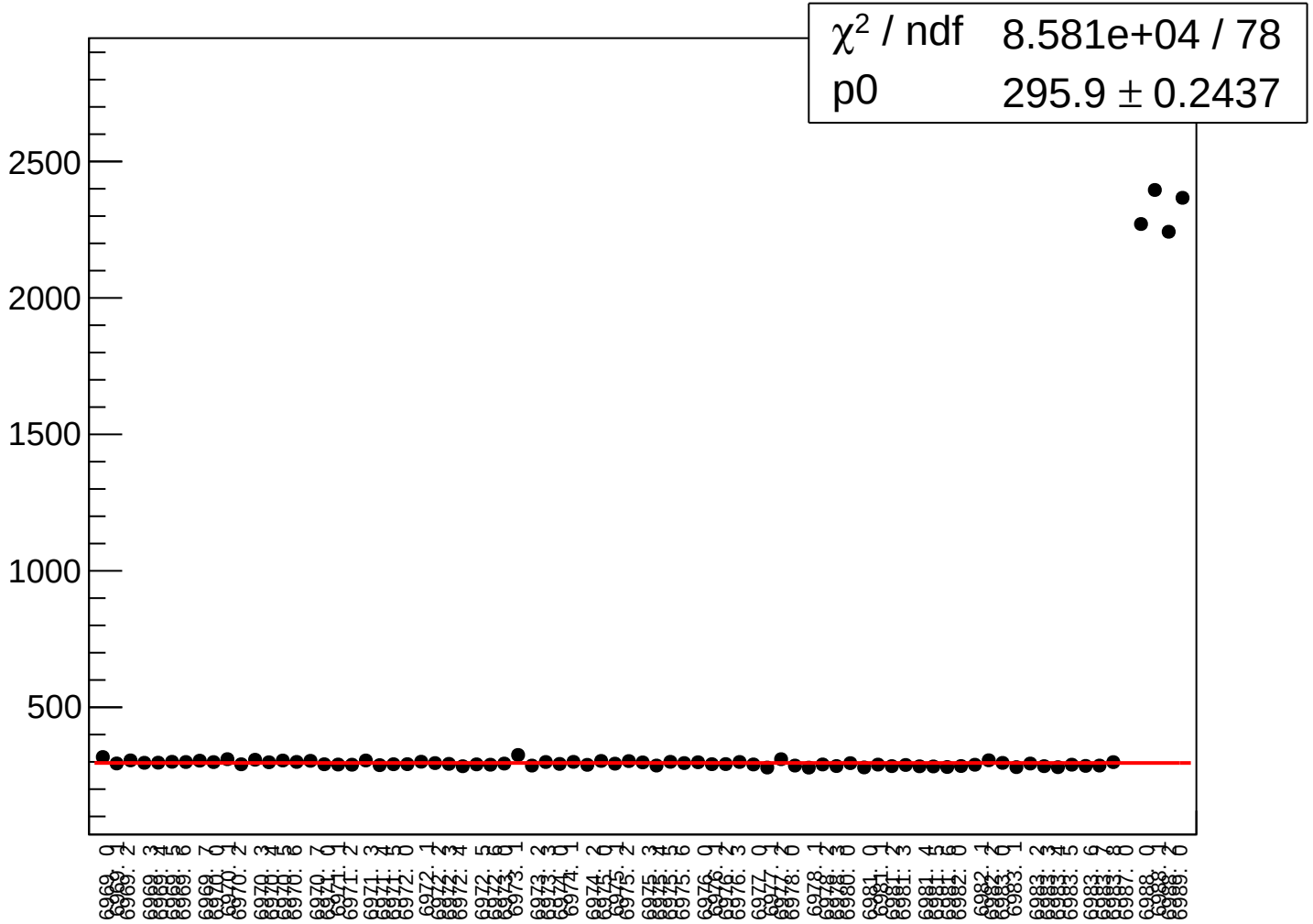

asym_sam3_correction_rms vs run
χ^2 / ndf 4500 / 73
p0 1093 ± 0.9087
1400
1200
1000
800
600
400
200
0

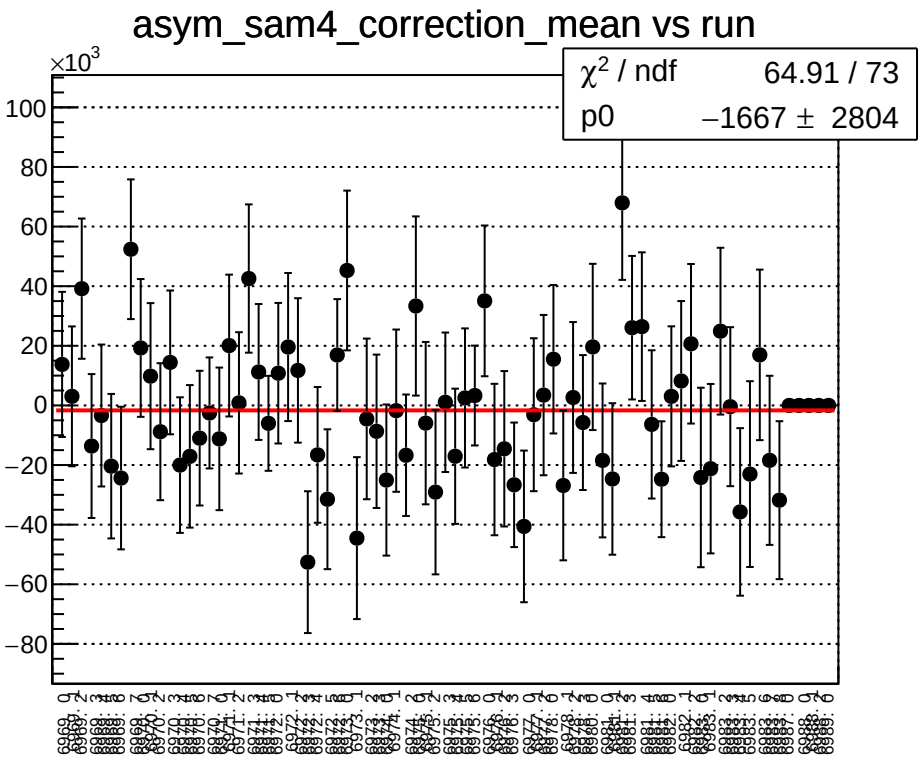

asym_sam3_mean vs run
χ² / ndf 65.92 / 78
p0 −492.6 ± 1253
40000
20000
0
−20000
−40000
pull
Entries 79
Mean −667.9
Std Dev 712.3
pull1D
Entries 79
Mean −0.008068
Std Dev 0.9134

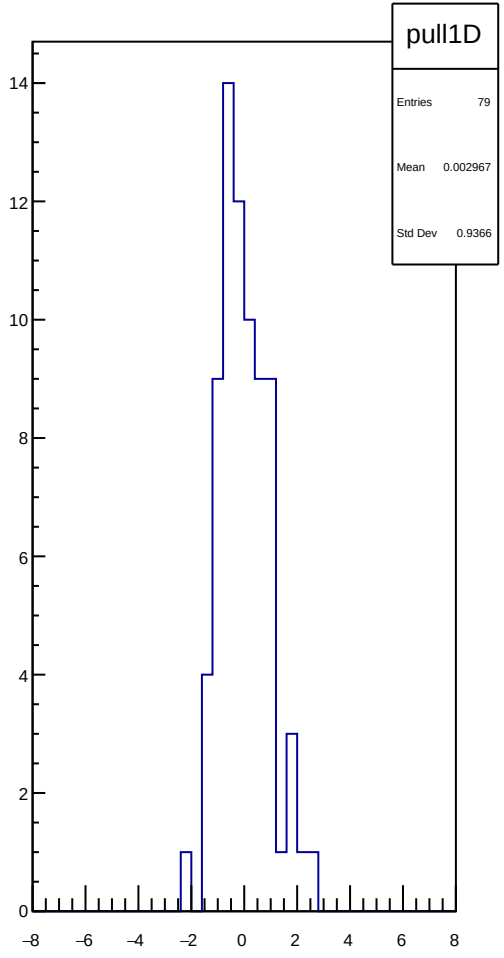

asym_sam3_rms vs run
χ2 / ndf 7117 / 78
p0 1104 ± 0.8858
1400
1350
1300
1250
1200
1150
1100
1050
1000
950

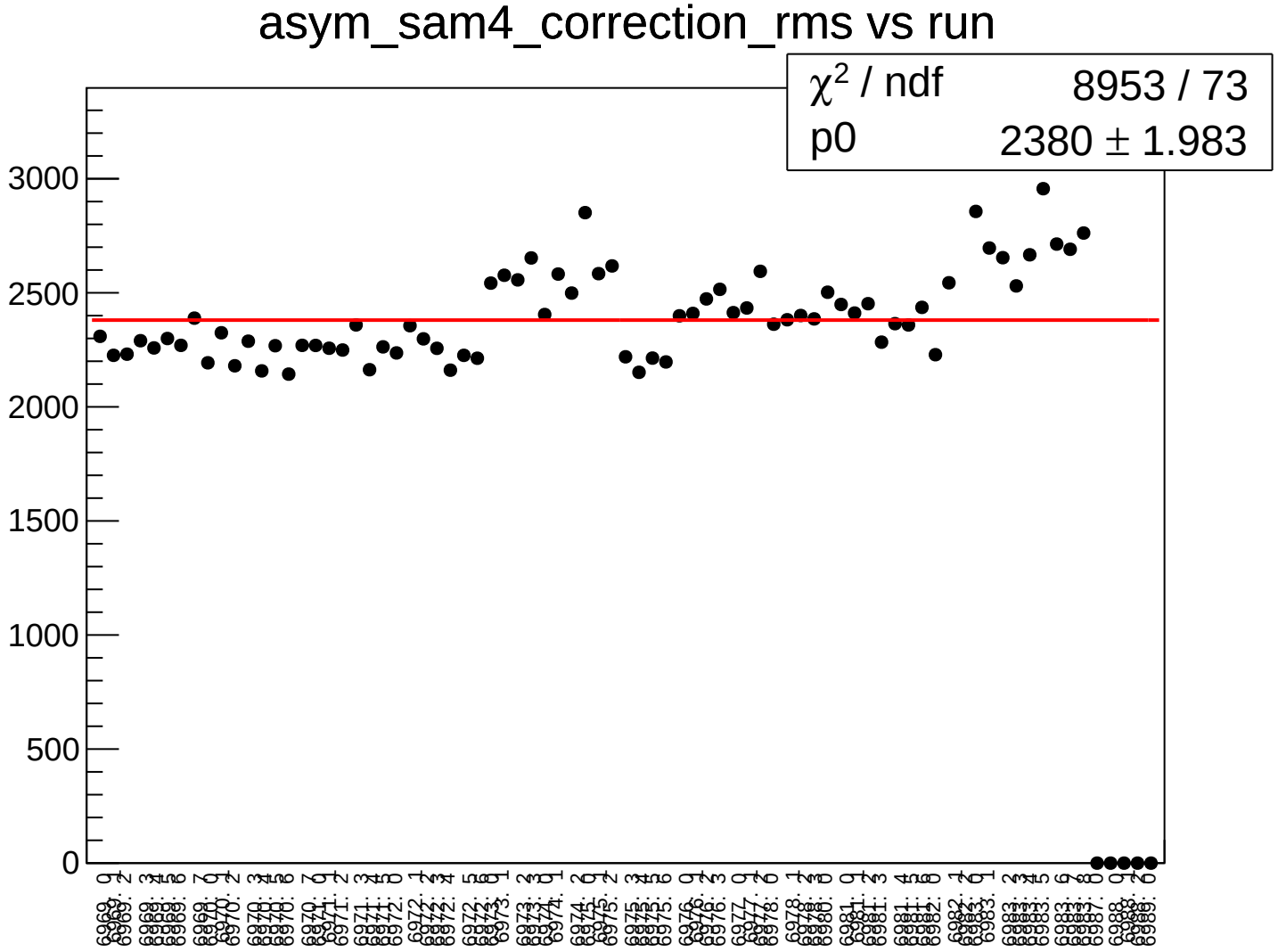

dit_asym_sam4_mean vs run
χ² / ndf 94.77 / 78
p0 122.4 ± 344.7
80000
60000
40000
20000
0
−20000
−40000
pull
Entries 79
Mean 91.35
Std Dev 32.18
3
2
1
0
−1
−2
pull1D
Entries 79
Mean 0.04476
Std Dev 1.094
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

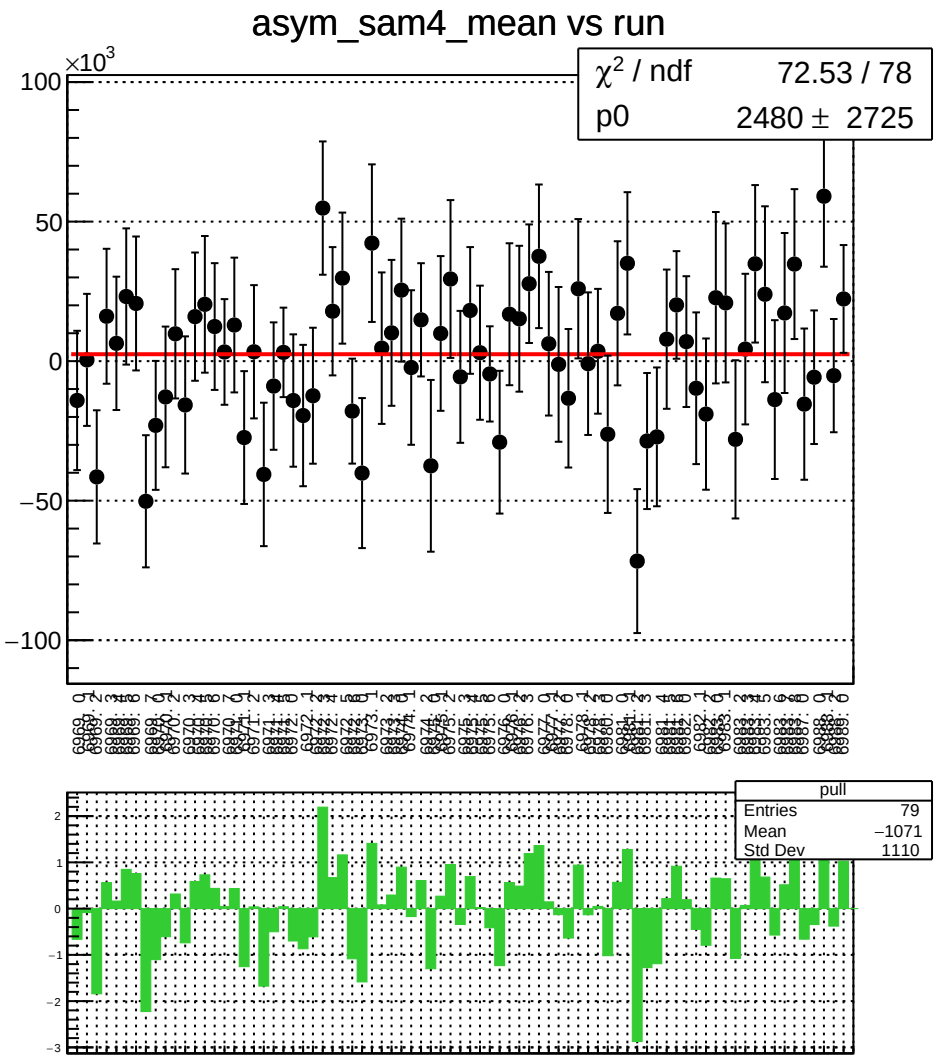
dit_asym_sam4_rms vs run

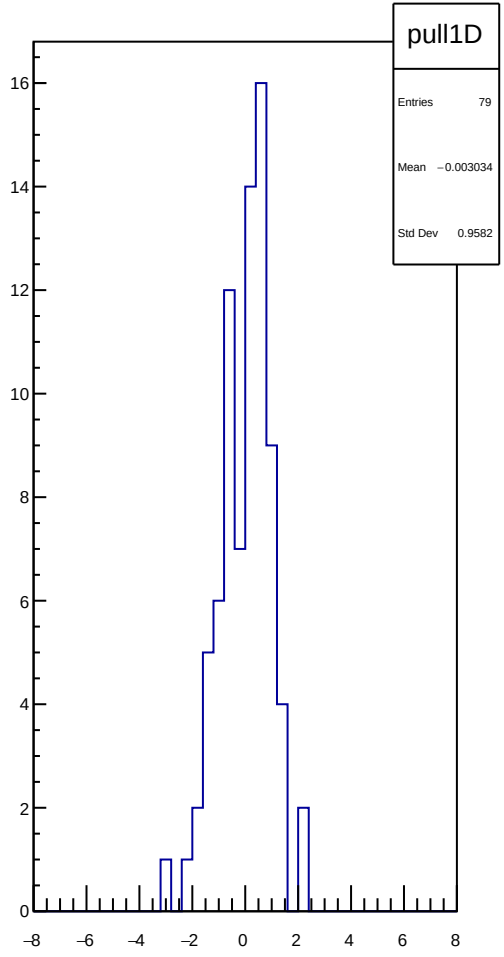


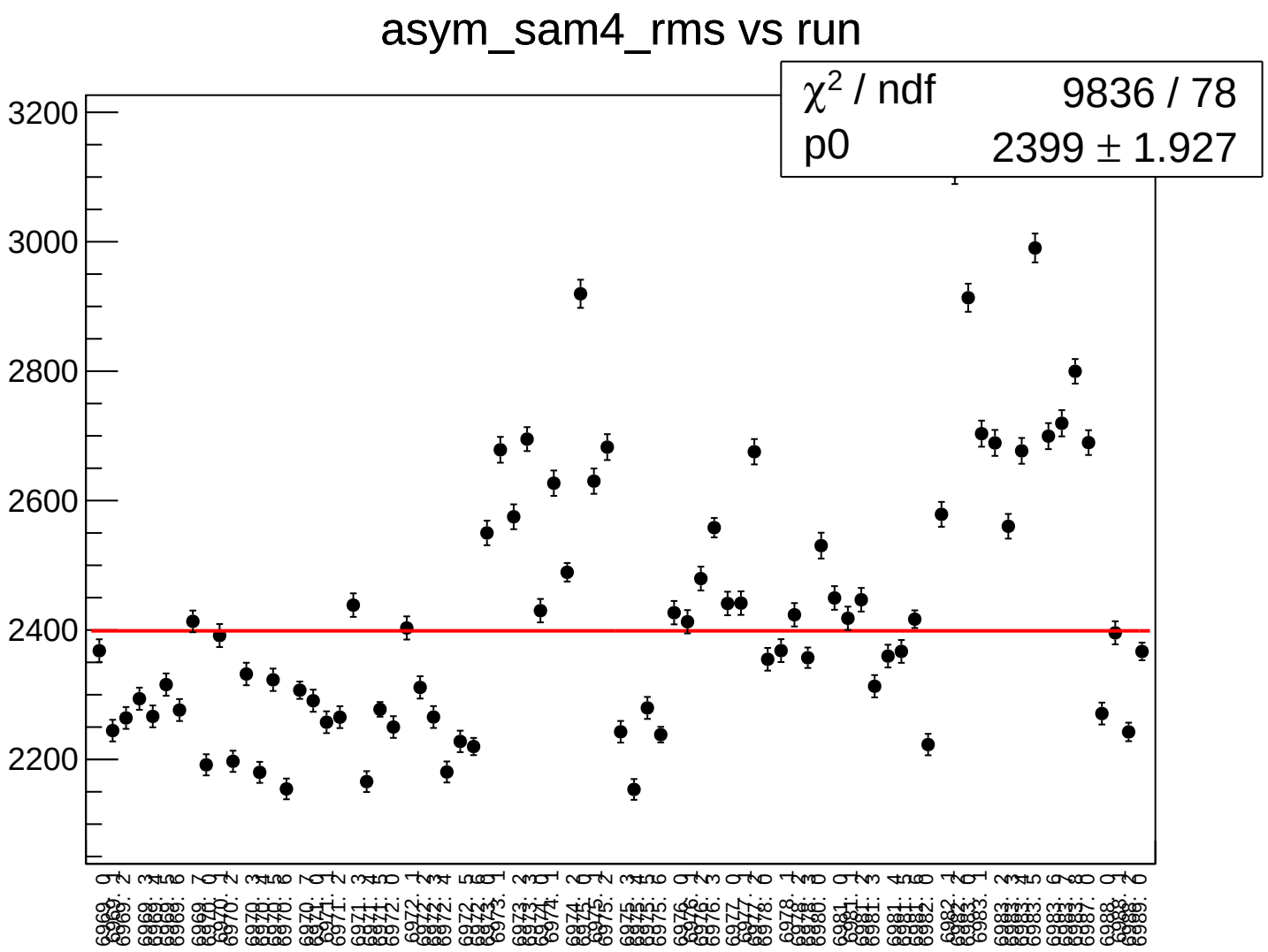

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 64.91 / 73
p0 −1667 ± 2804
100
80
60
40
20
0
−20
−40
−60
−80

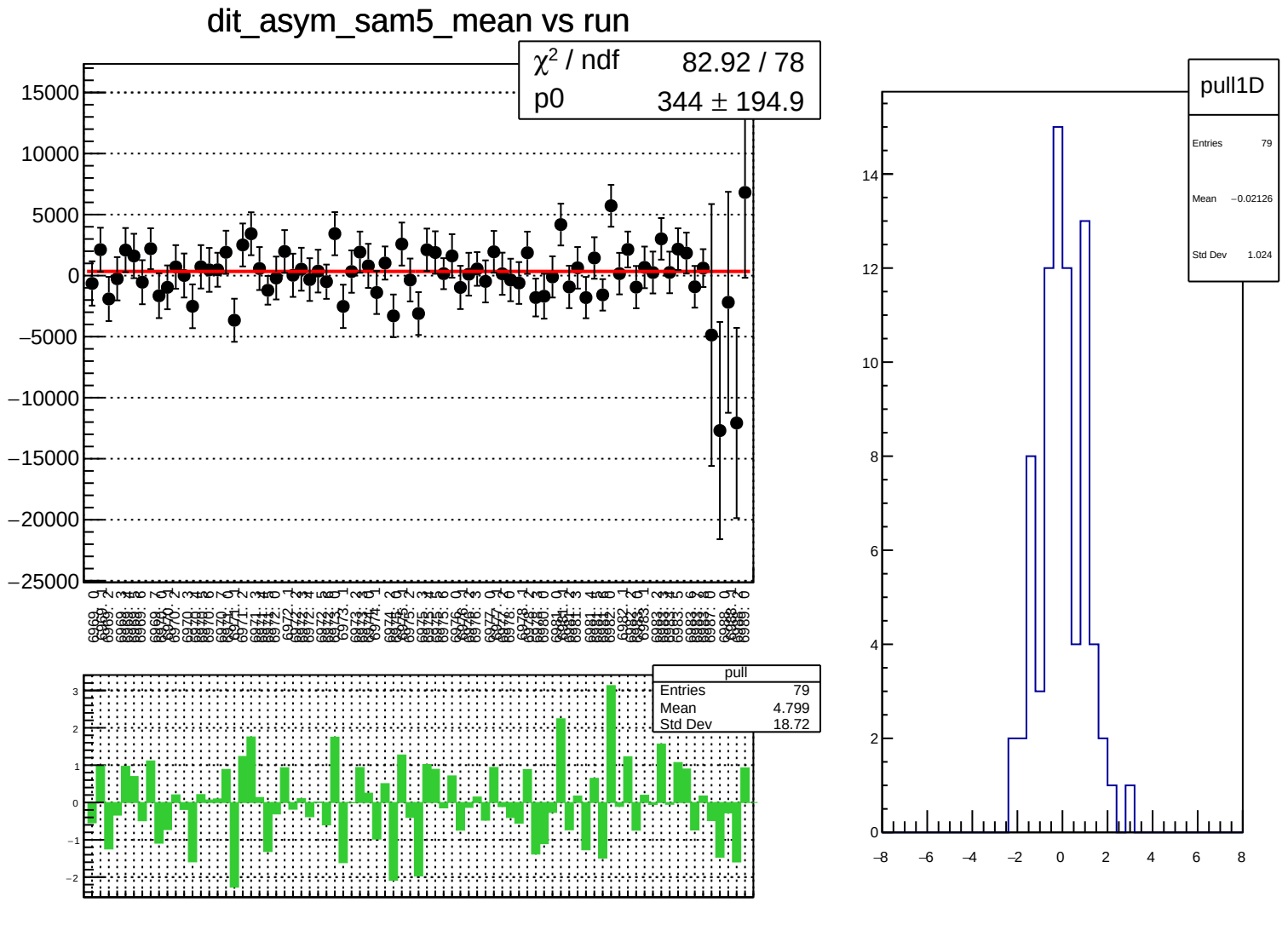

pull1D
Entries 79
Mean 0.002967
Std Dev 0.9366
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam4_correction_rms vs run
χ^2 / ndf 8953 / 73
p0 2380 ± 1.983
3000
2500
2000
1500
1000
500
0

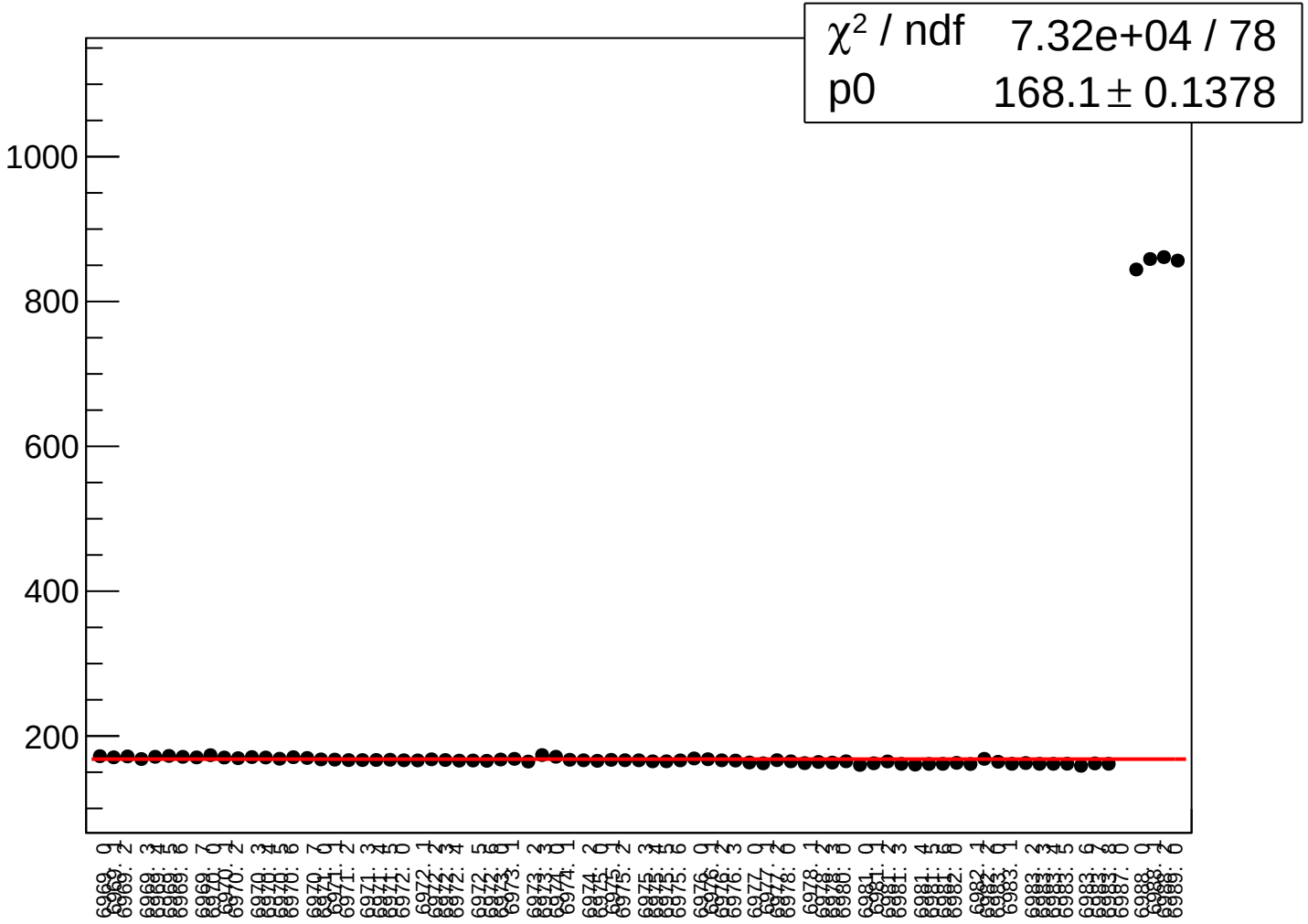

asym_sam4_mean vs run
×10^3
χ² / ndf 72.53 / 78
p0 2480 ± 2725
pull
Entries 79
Mean −1071
Std Dev 1110

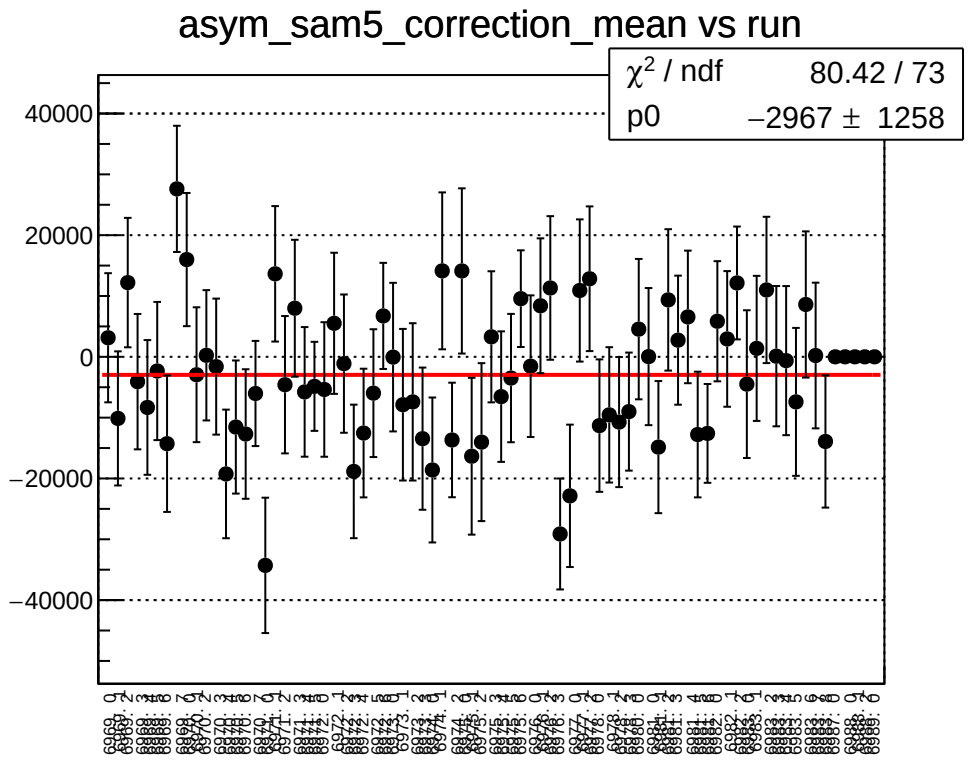

pull1D
Entries 79
Mean −0.003034
Std Dev 0.9582

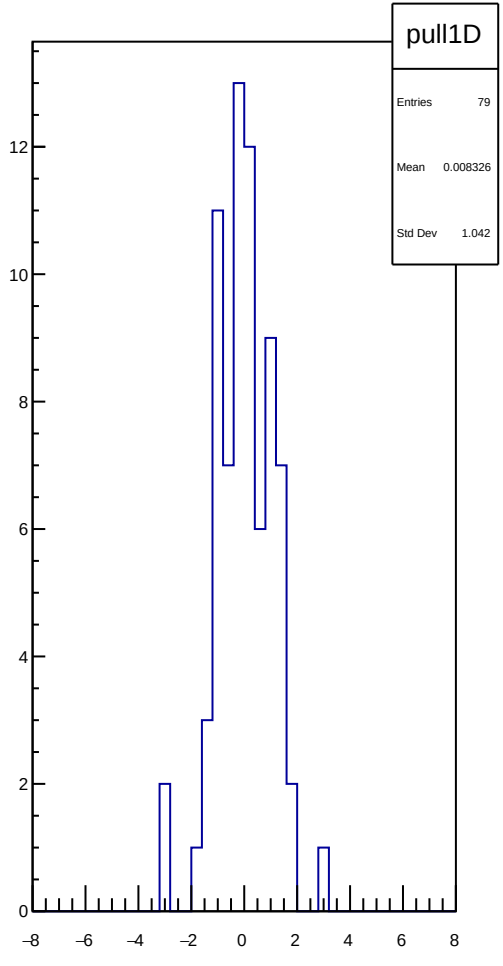

asym_sam4_rms vs run
χ2 / ndf 9836 / 78
p0 2399 ± 1.927
3200
3000
2800
2600
2400
2200

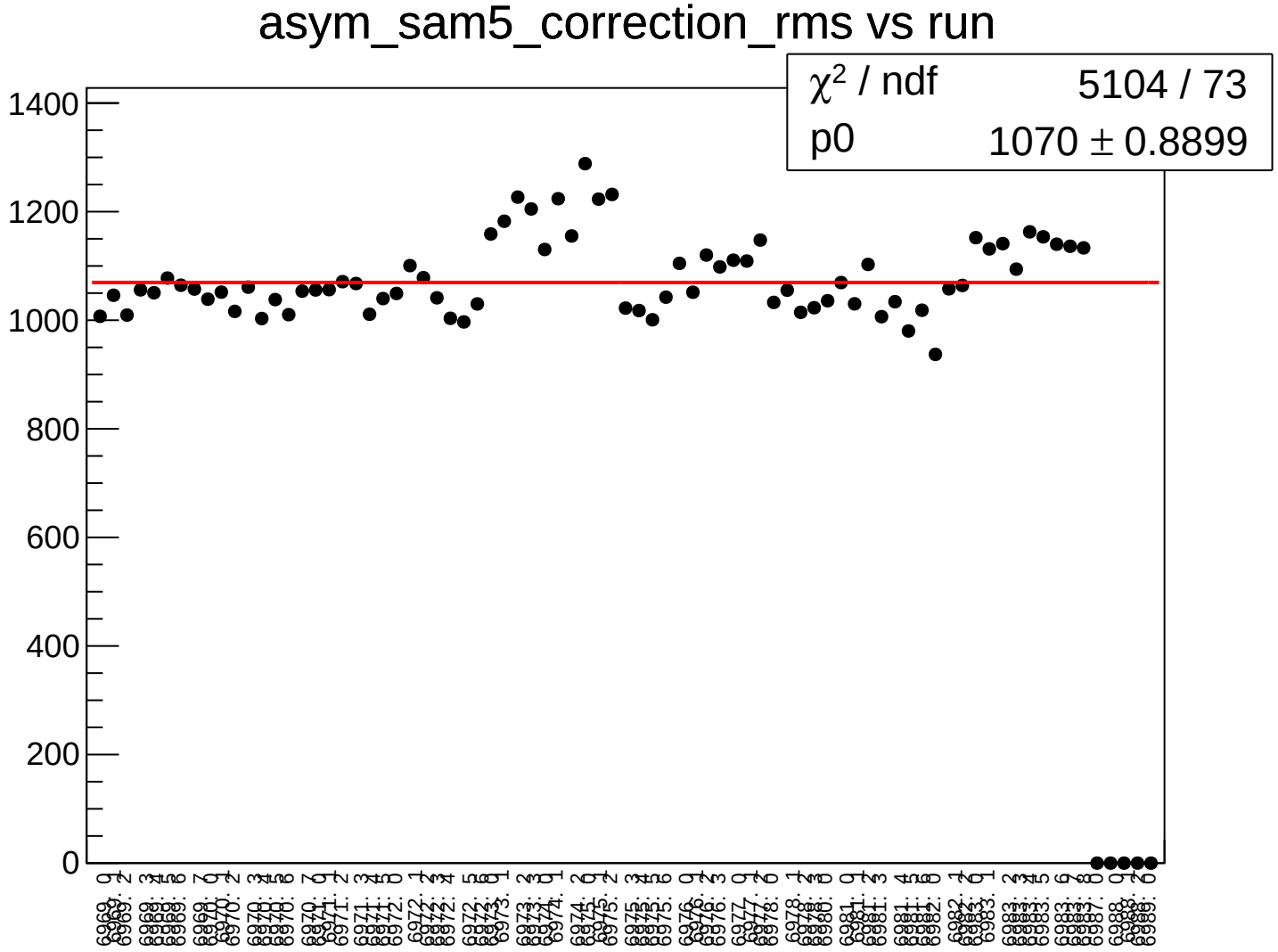

dit_asym_sam5_mean vs run
χ² / ndf 82.92 / 78
p0 344 ± 194.9
pull
Entries 79
Mean 4.799
Std Dev 18.72
pull1D
Entries 79
Mean −0.02126
Std Dev 1.024

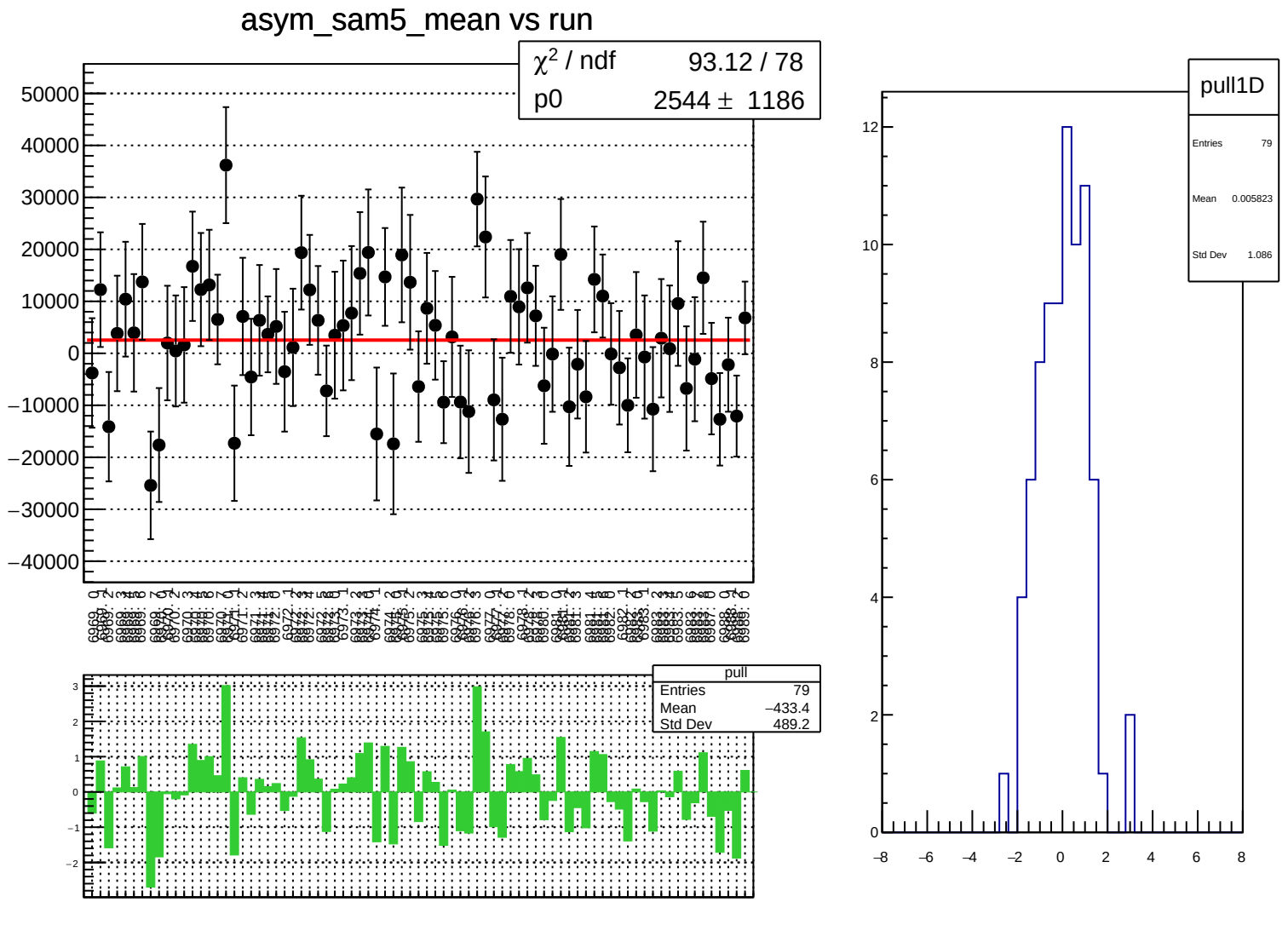
dit_asym_sam5_rms vs run

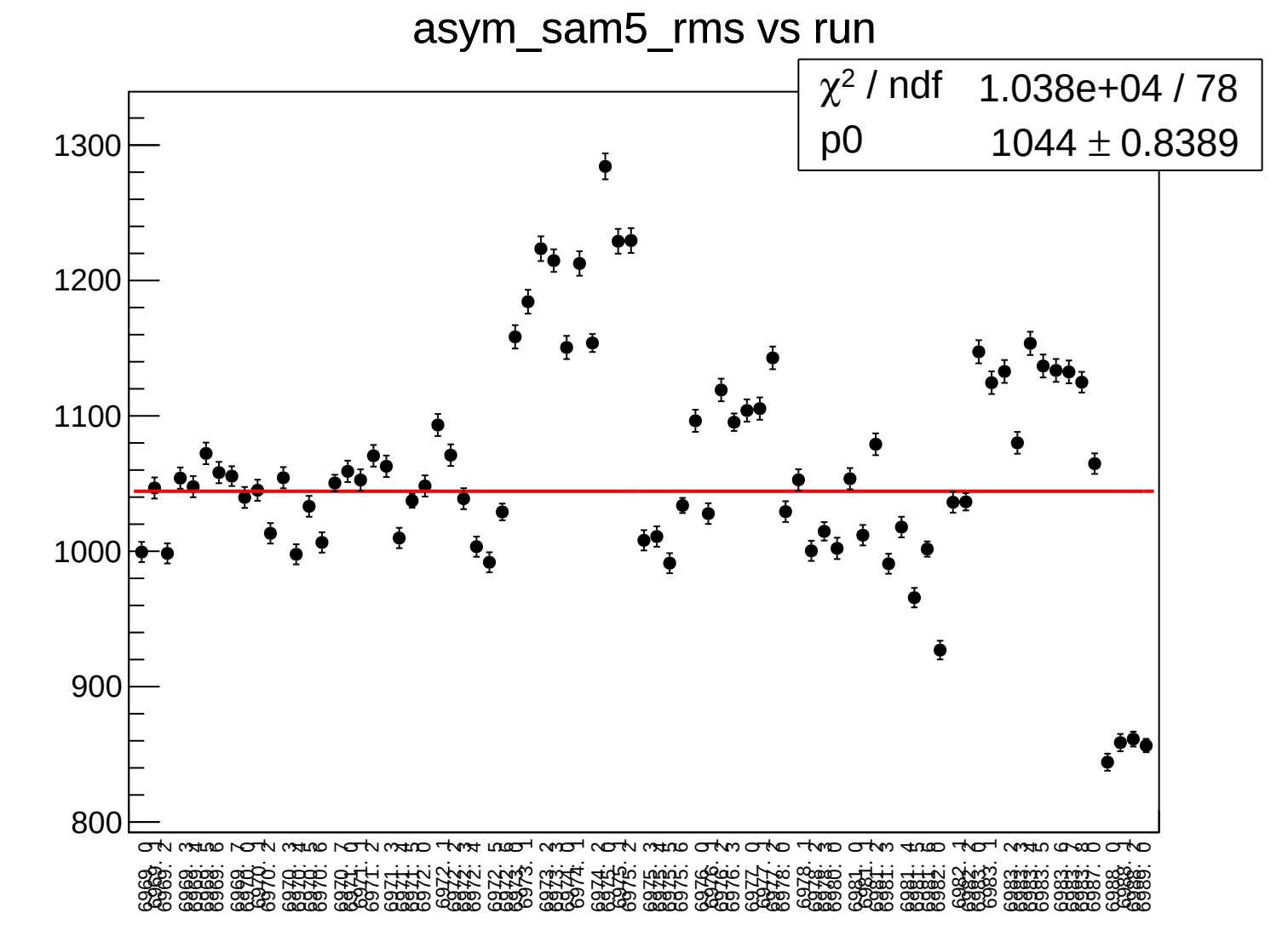


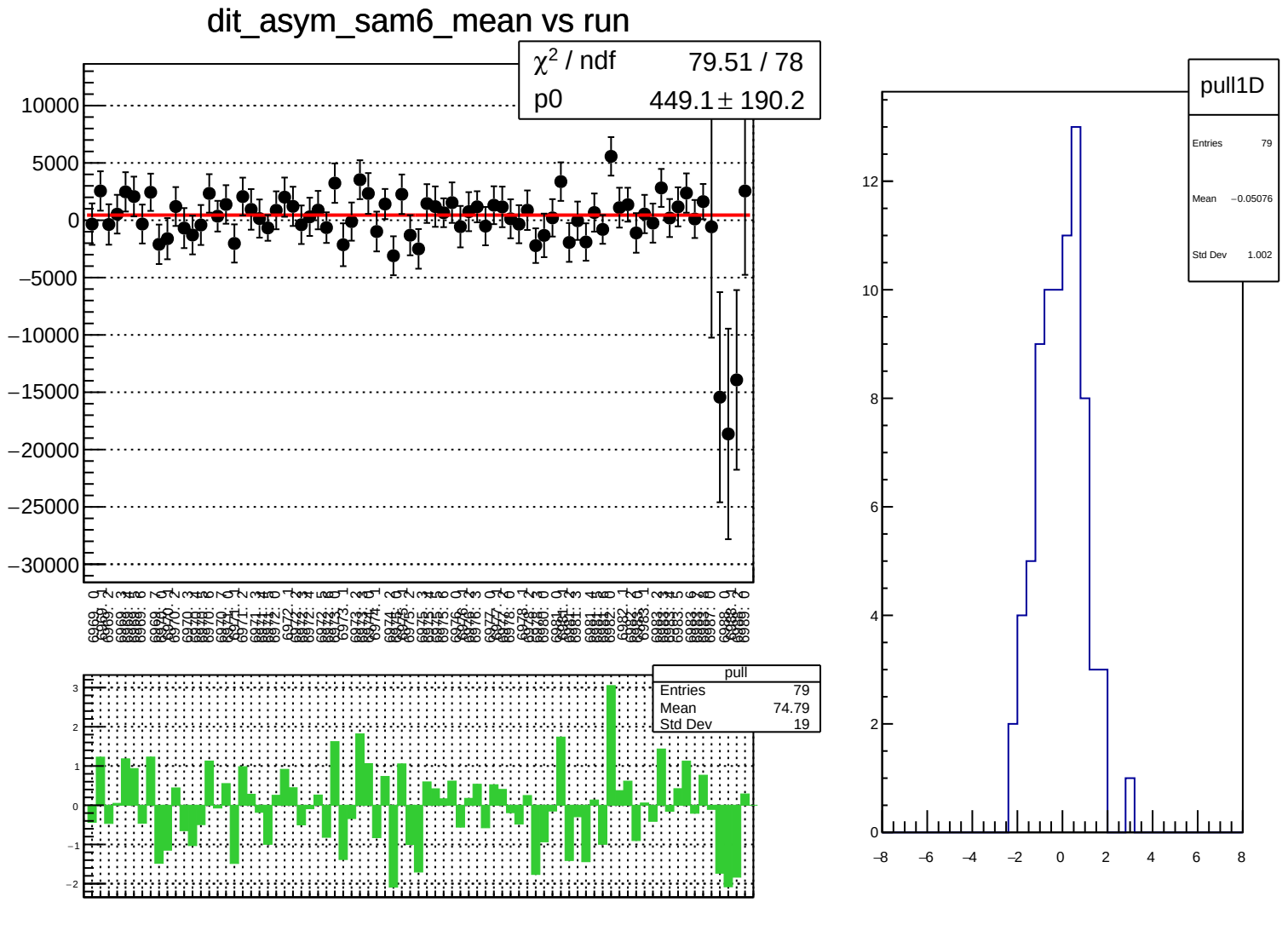

asym_sam5_correction_mean vs run
χ^2 / ndf 80.42 / 73
p0 −2967 ± 1258
40000
20000
0
−20000
−40000

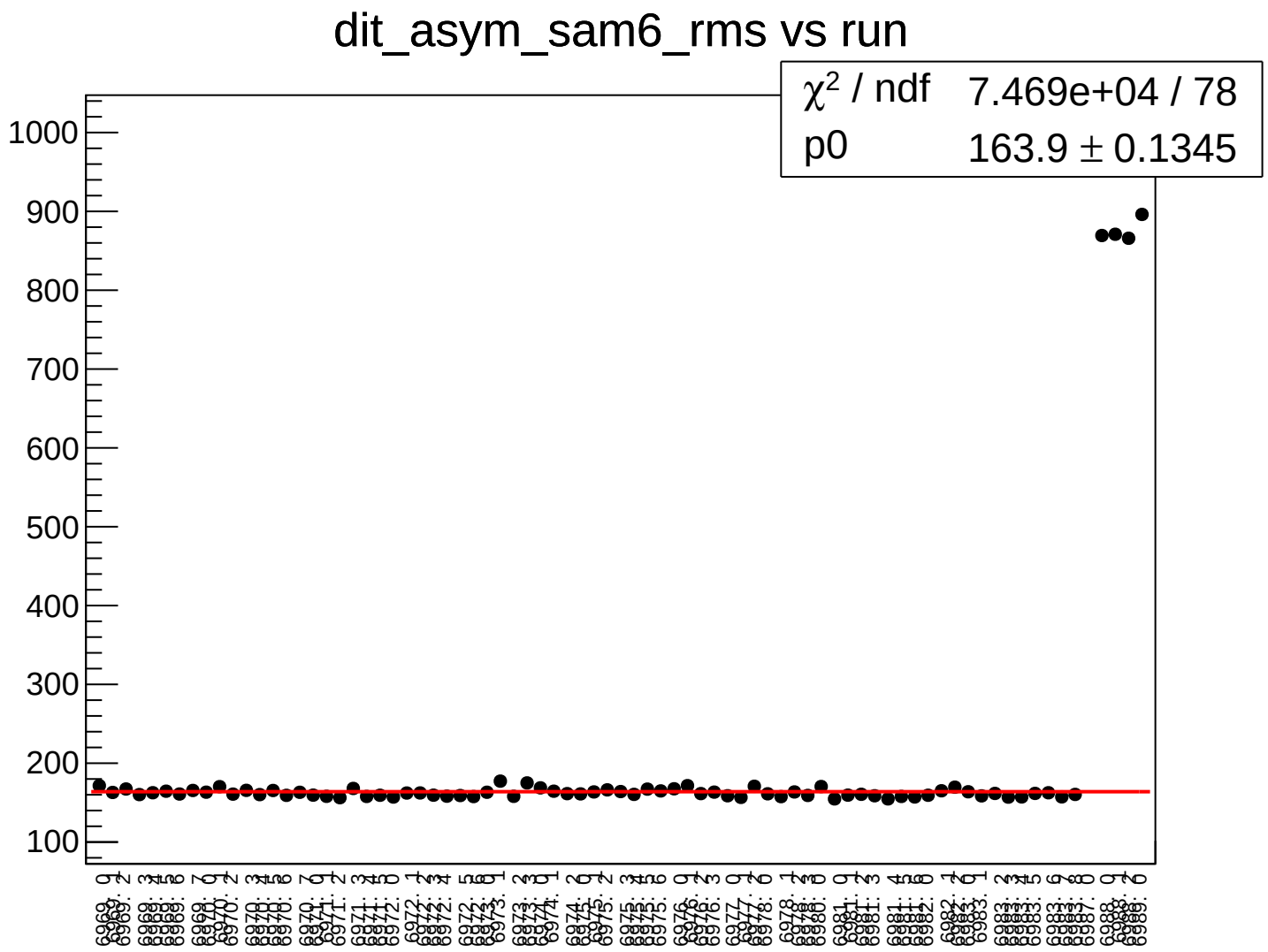

pull1D
Entries 79
Mean 0.008326
Std Dev 1.042
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

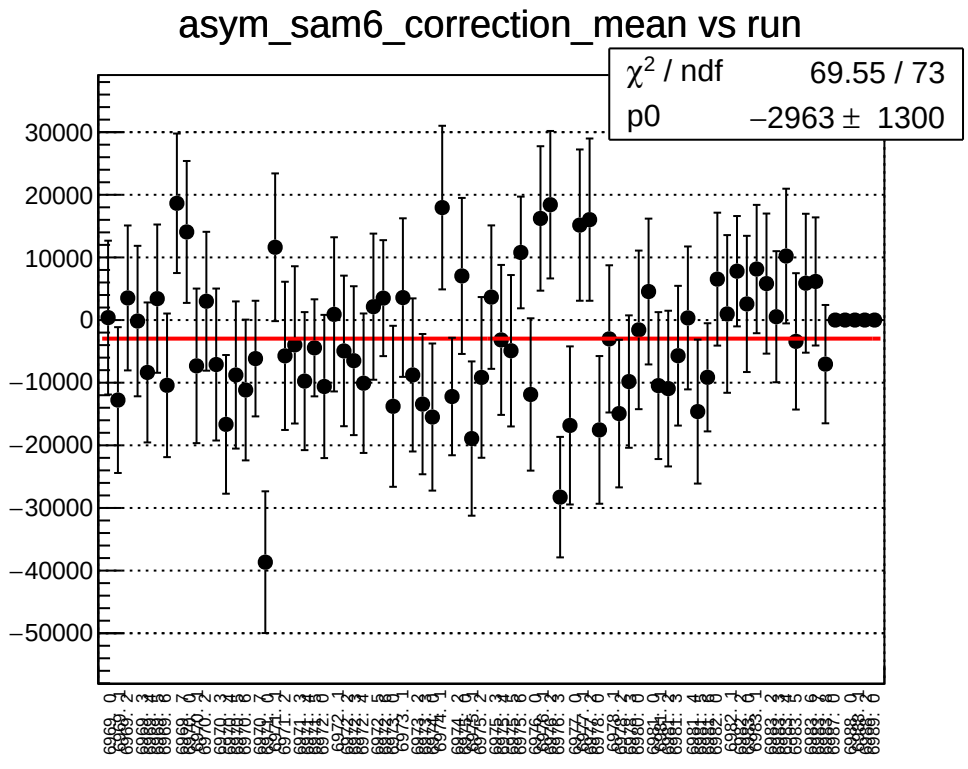

asym_sam5_correction_rms vs run
χ² / ndf 5104 / 73
p0 1070 ± 0.8899
1400
1200
1000
800
600
400
200
0

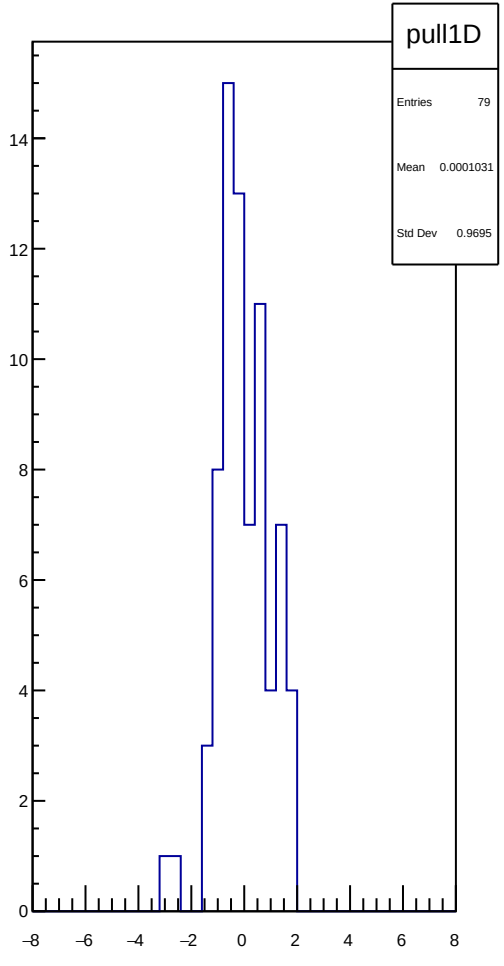

asym_sam5_mean vs run
χ² / ndf 93.12 / 78
p0 2544 ± 1186
pull
Entries 79
Mean −433.4
Std Dev 489.2
pull1D
Entries 79
Mean 0.005823
Std Dev 1.086

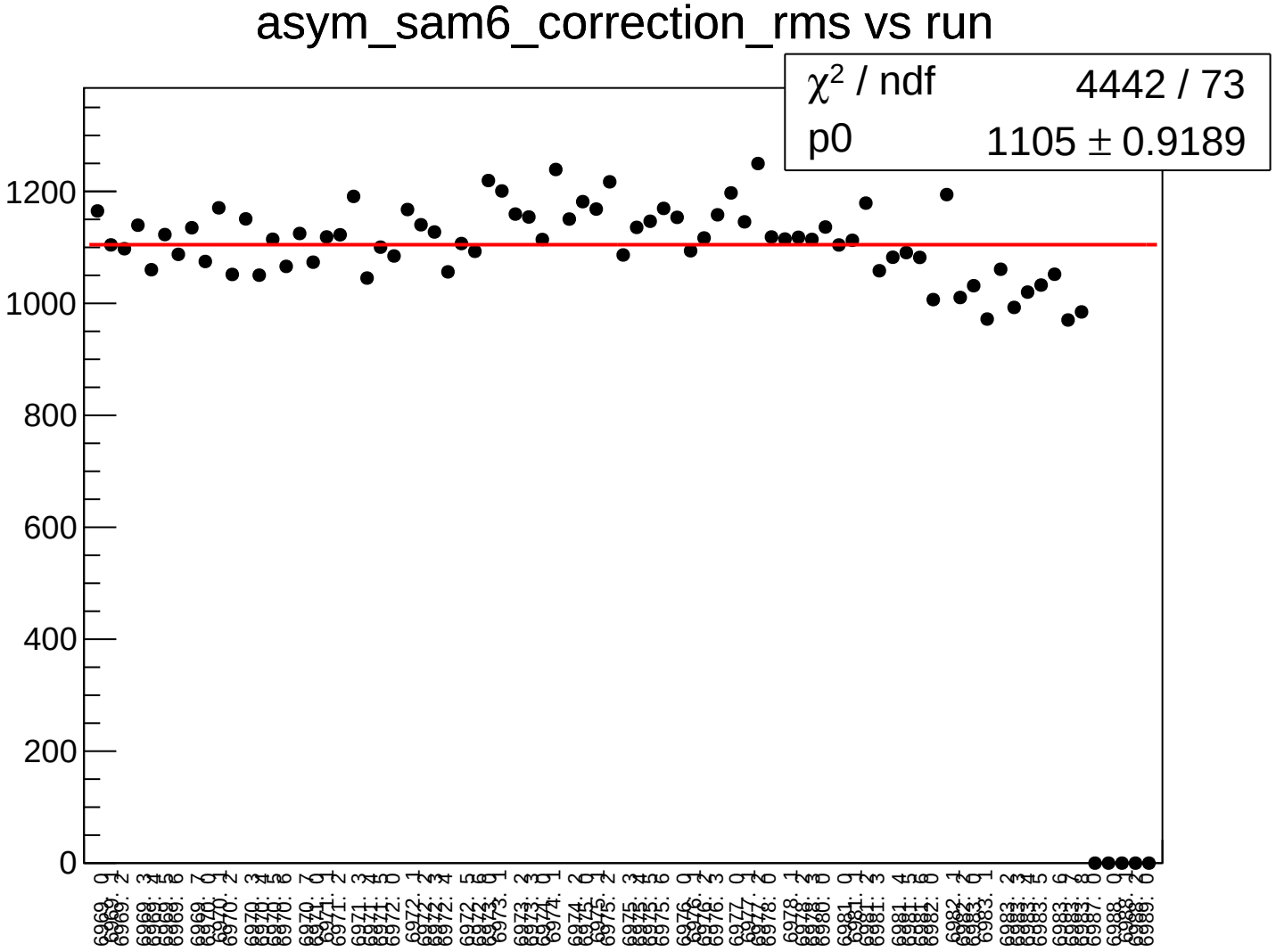

asym_sam5_rms vs run
χ² / ndf 1.038e+04 / 78
p0 1044 ± 0.8389
1300
1200
1100
1000
900
800

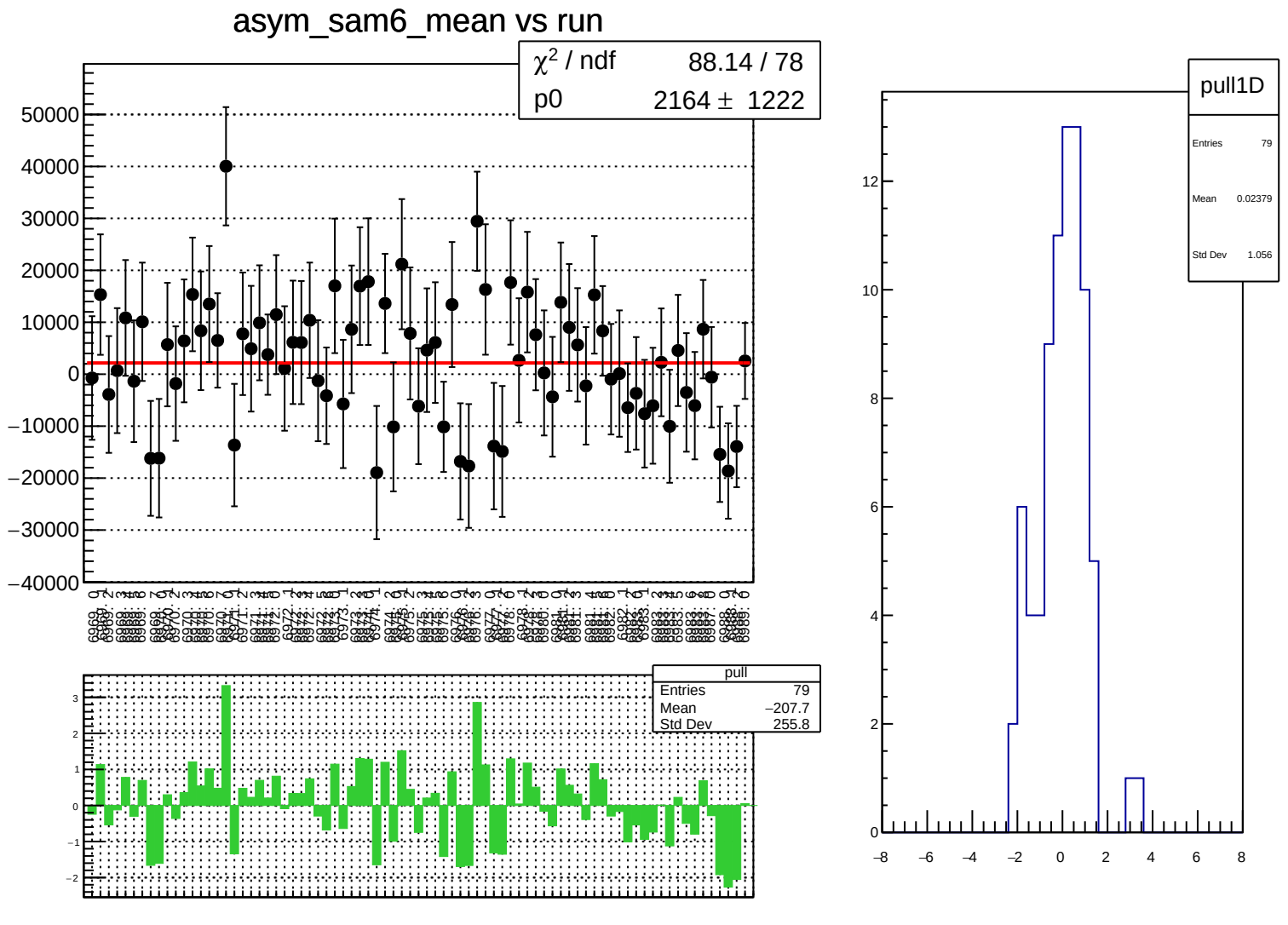

dit_asym_sam6_mean vs run
χ² / ndf 79.51 / 78
p0 449.1 ± 190.2
pull
Entries 79
Mean 74.79
Std Dev 19
pull1D
Entries 79
Mean −0.05076
Std Dev 1.002

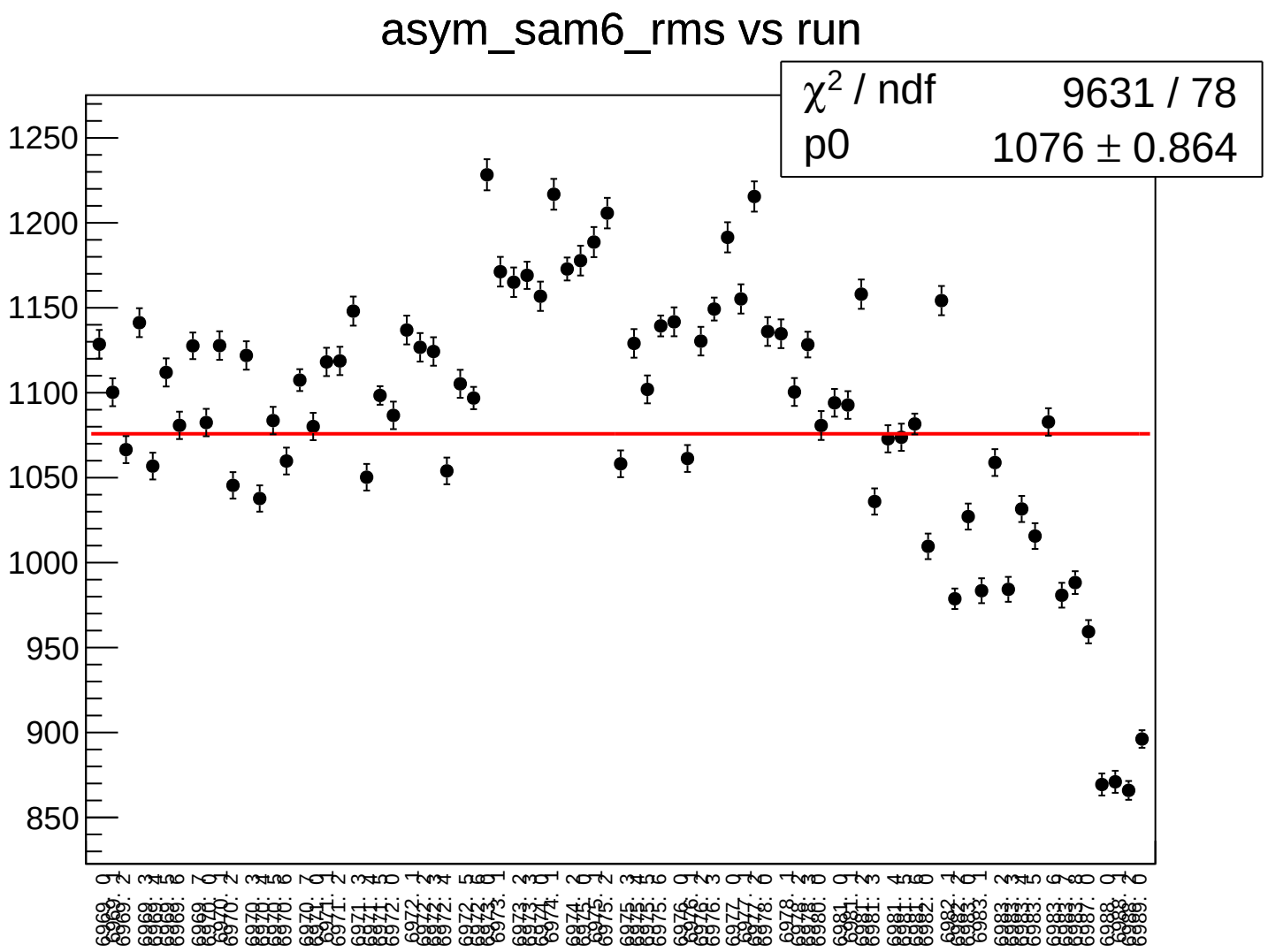

dit_asym_sam6_rms vs run
χ² / ndf 7.469e+04 / 78
p0 163.9 ± 0.1345
1000
900
800
700
600
500
400
300
200
100

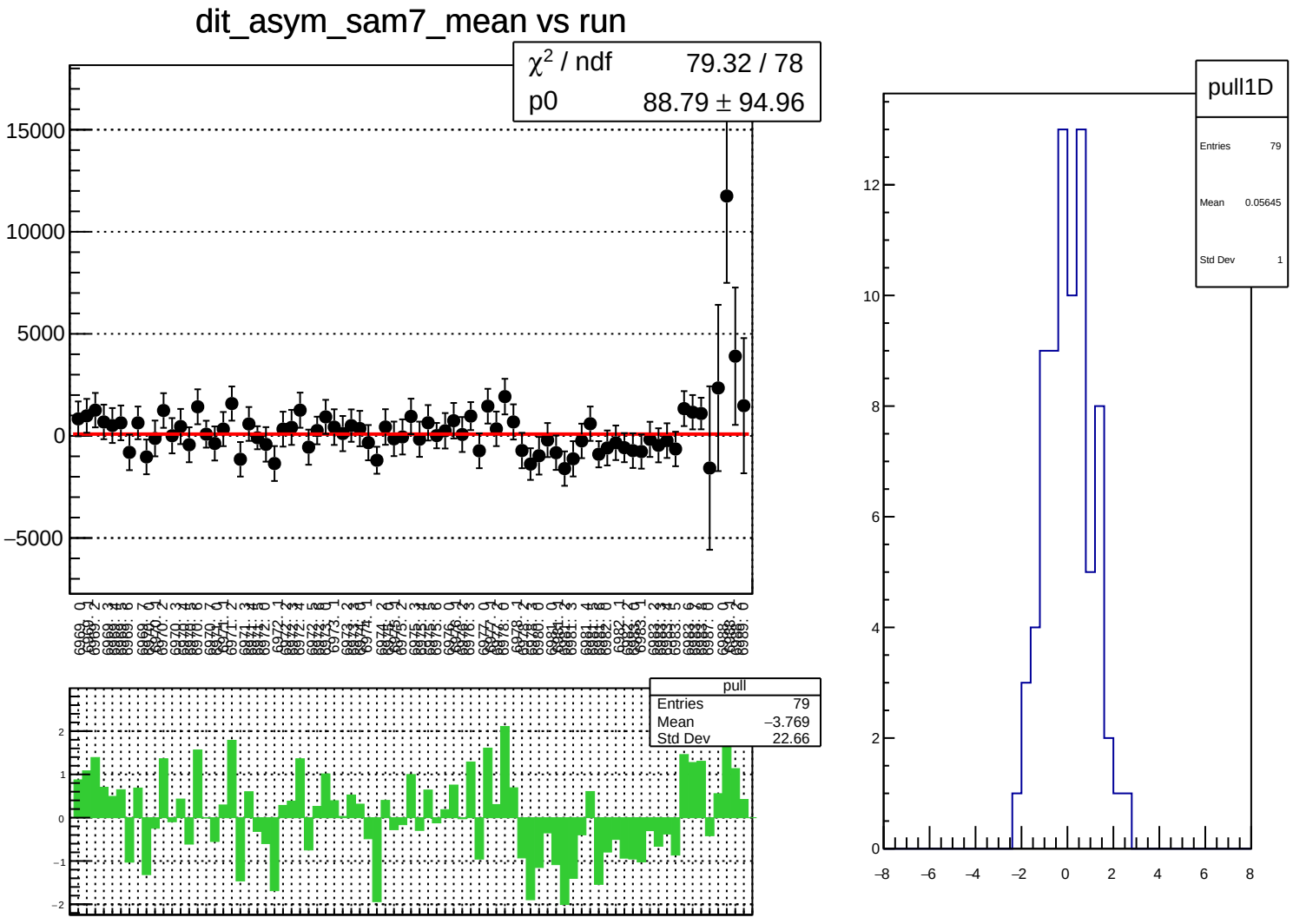

asym_sam6_correction_mean vs run
χ^2 / ndf 69.55 / 73
p0 −2963 ± 1300
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000

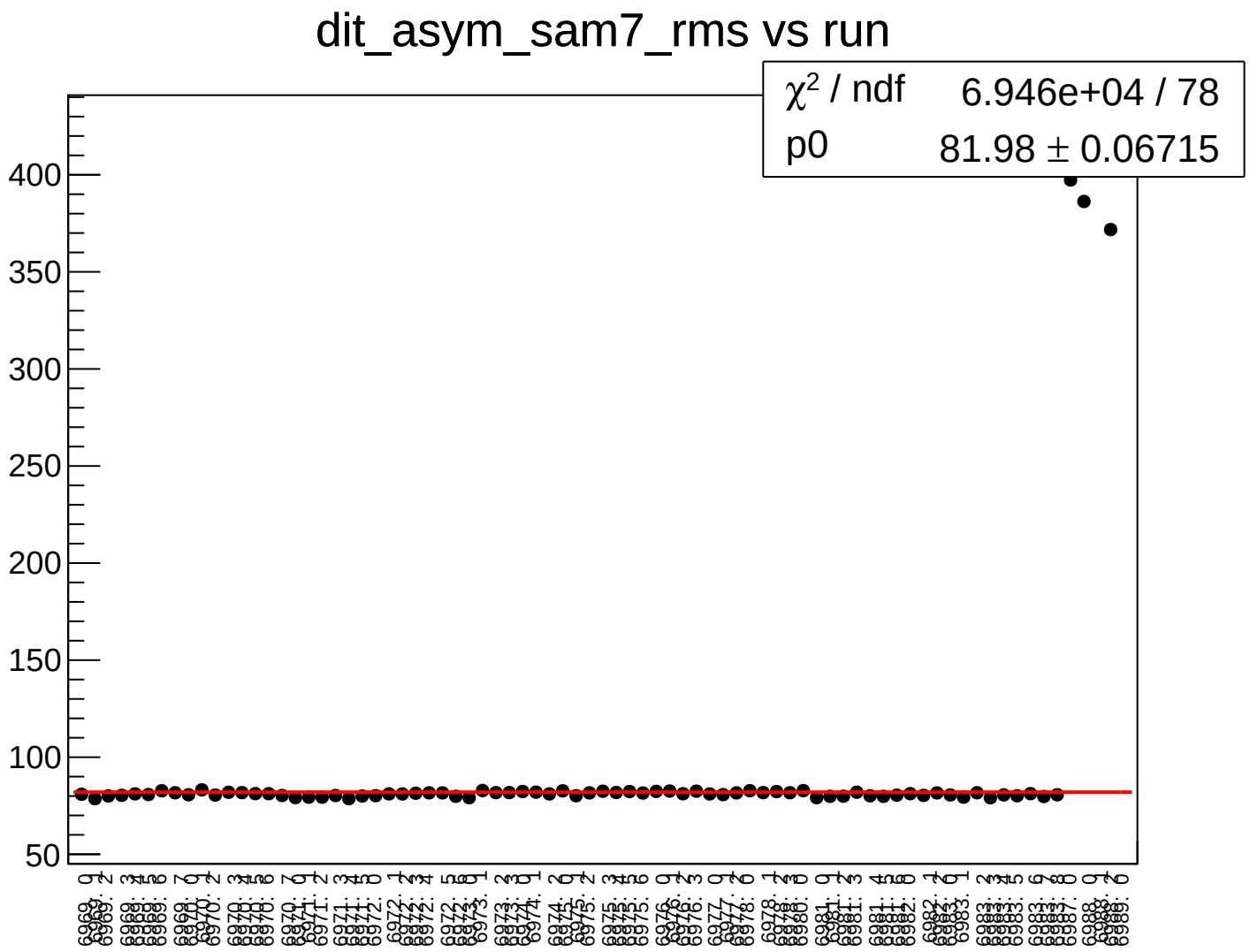

pull1D
Entries 79
Mean 0.0001031
Std Dev 0.9695
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

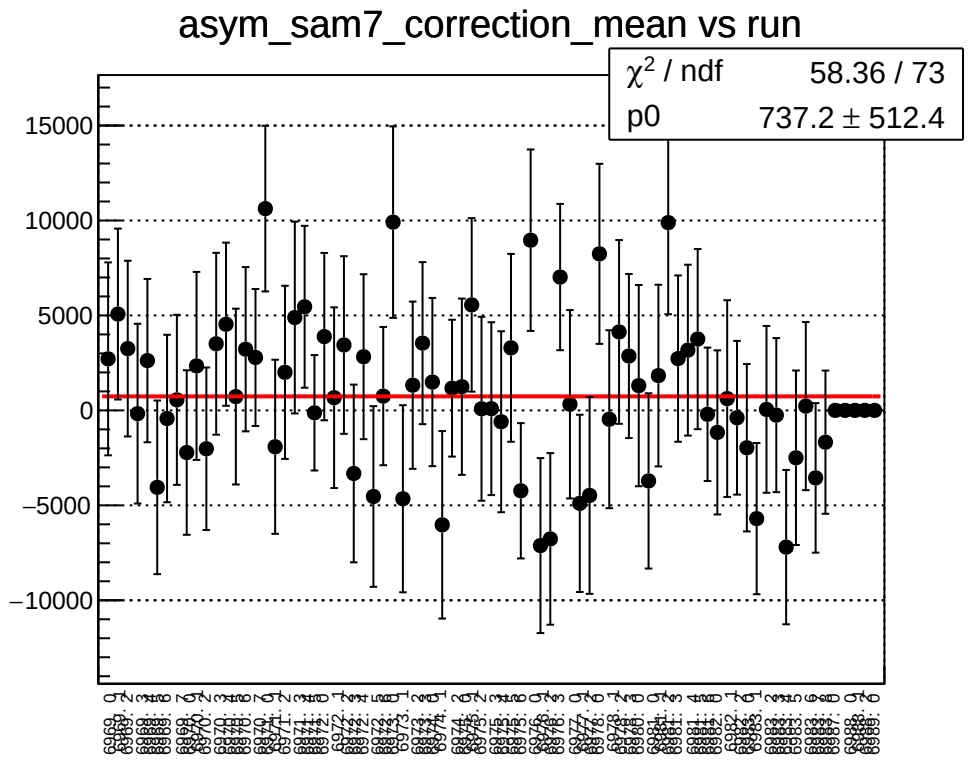

asym_sam6_correction_rms vs run
χ^2 / ndf 4442 / 73
p0 1105 ± 0.9189
1200
1000
800
600
400
200
0

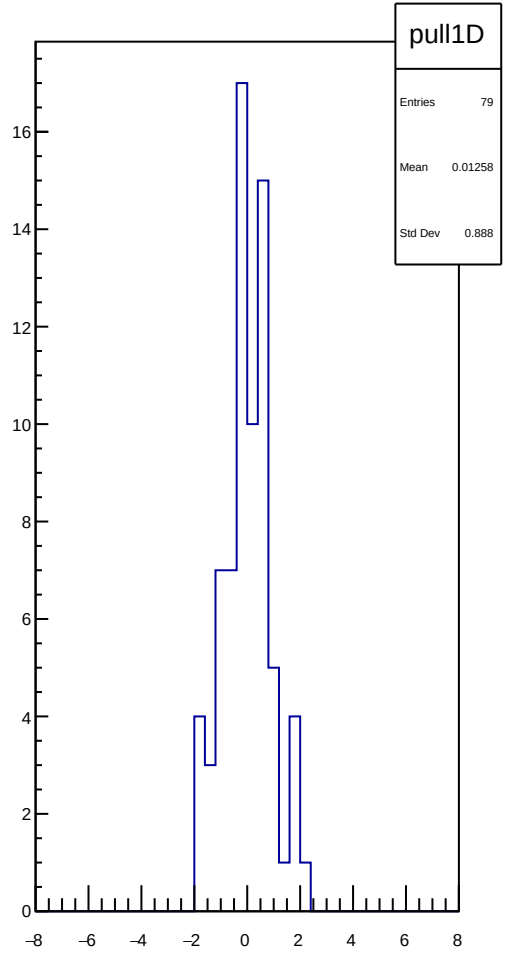

asym_sam6_mean vs run
χ² / ndf 88.14 / 78
p0 2164 ± 1222
pull
Entries 79
Mean −207.7
Std Dev 255.8
pull1D
Entries 79
Mean 0.02379
Std Dev 1.056

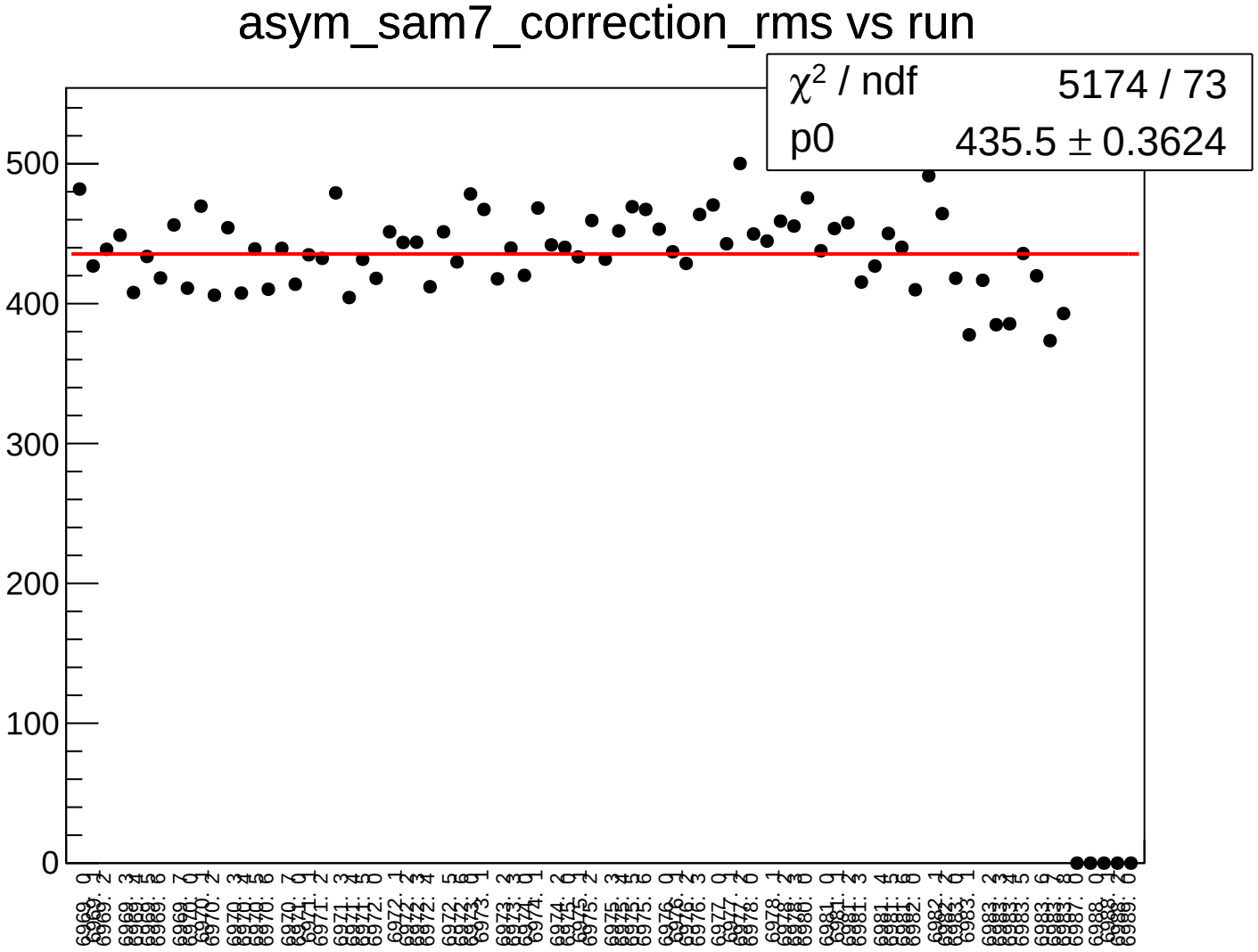

asym_sam6_rms vs run
χ2 / ndf 9631 / 78
p0 1076 ± 0.864
1250
1200
1150
1100
1050
1000
950
900
850

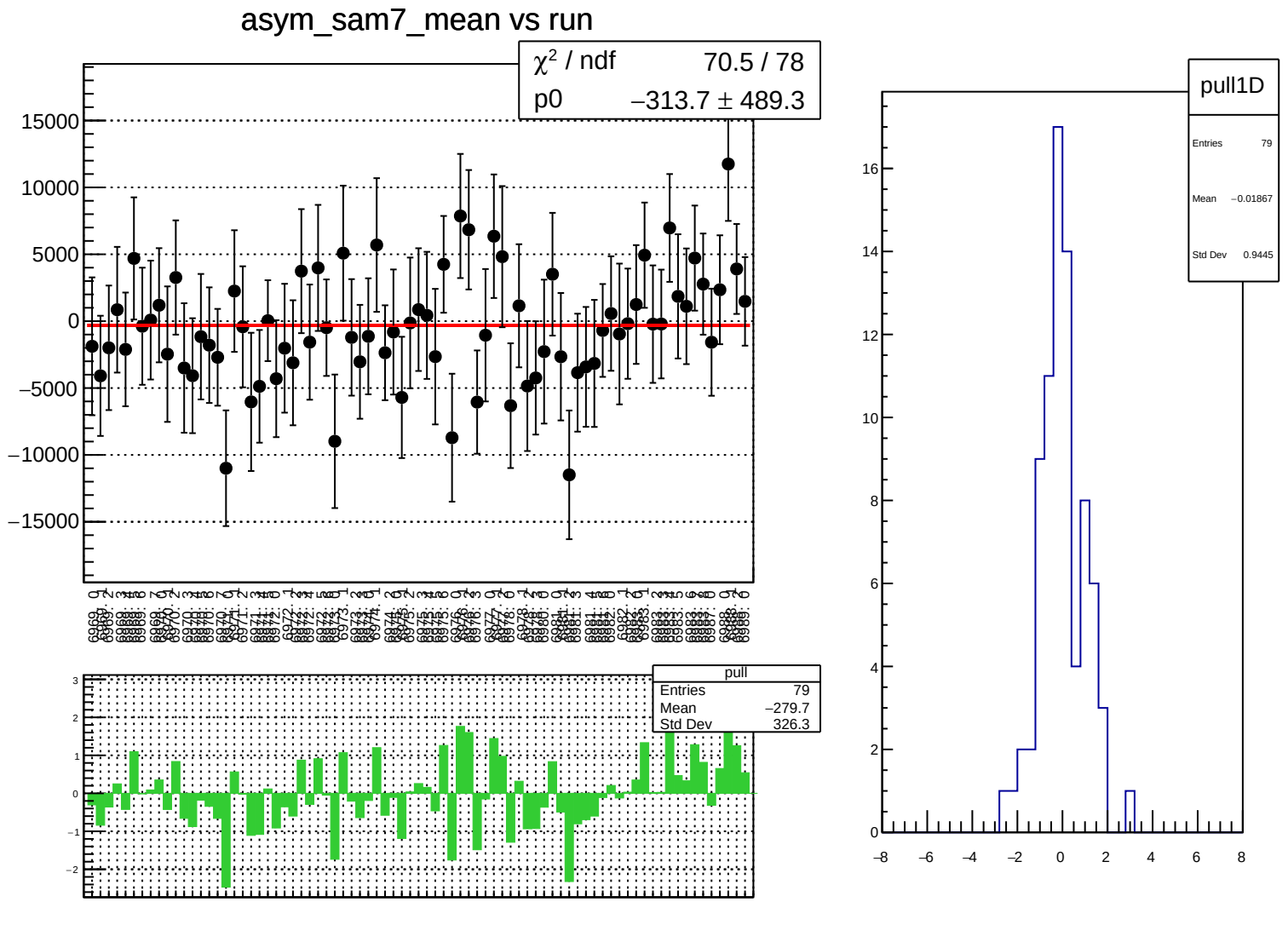

dit_asym_sam7_mean vs run
χ² / ndf 79.32 / 78
p0 88.79 ± 94.96
15000
10000
5000
0
−5000
pull
Entries 79
Mean −3.769
Std Dev 22.66
2
1
0
−1
−2
pull1D
Entries 79
Mean 0.05645
Std Dev 1
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

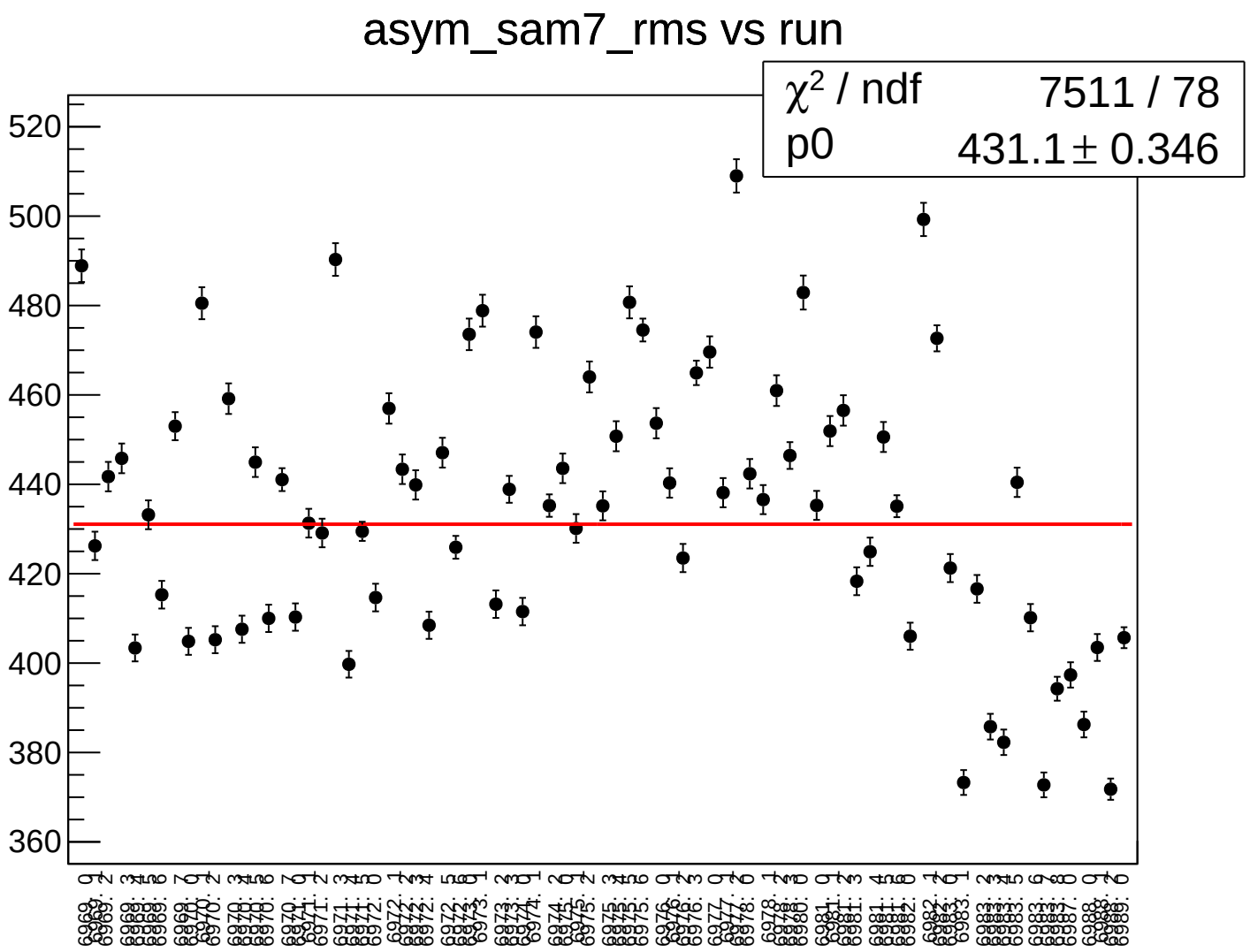

dit_asym_sam7_rms vs run
χ2 / ndf 6.946e+04 / 78
p0 81.98 ± 0.06715
400
350
300
250
200
150
100
50

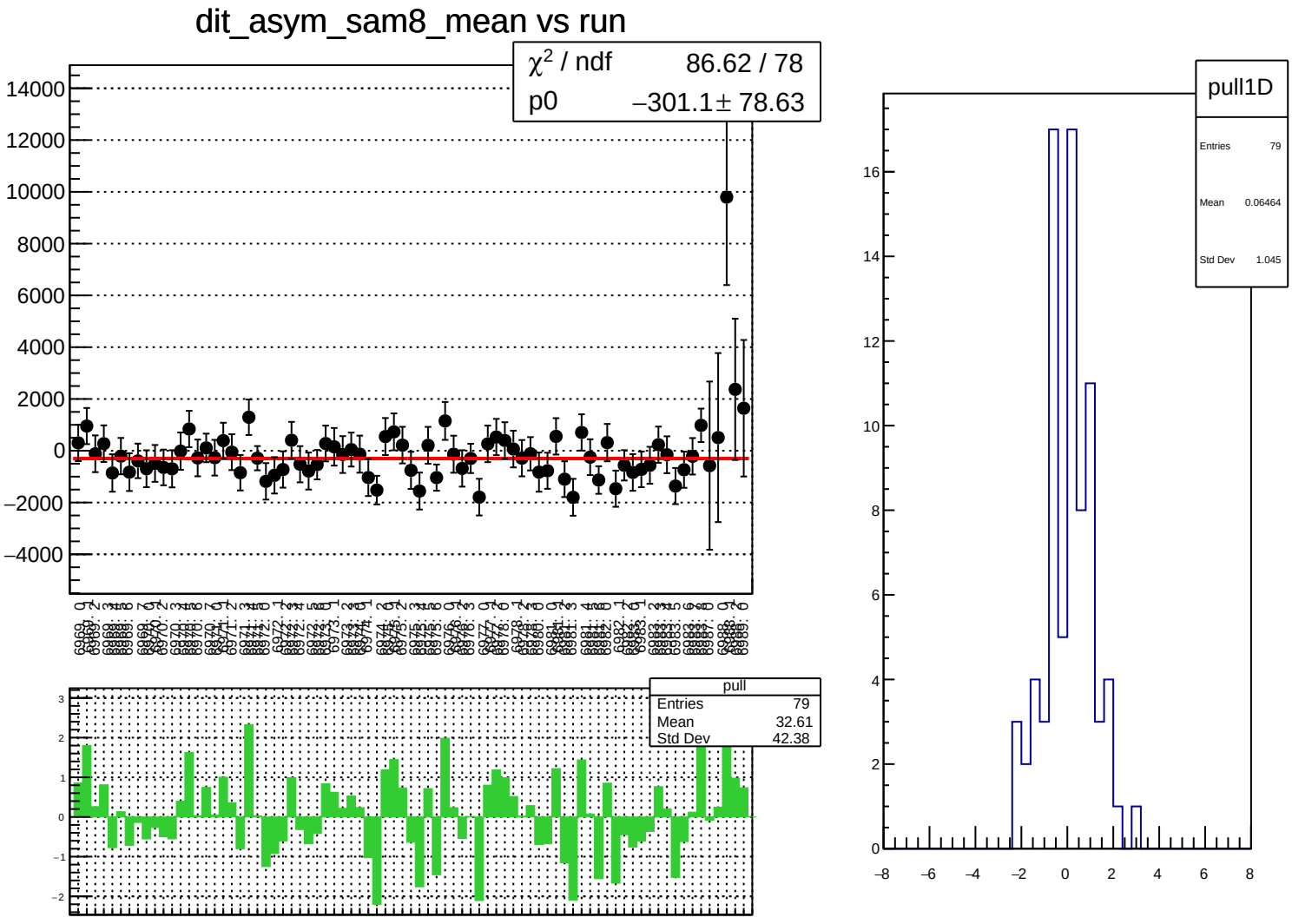

asym_sam7_correction_mean vs run
χ^2 / ndf 58.36 / 73
p0 737.2 ± 512.4
15000
10000
5000
0
−5000
−10000

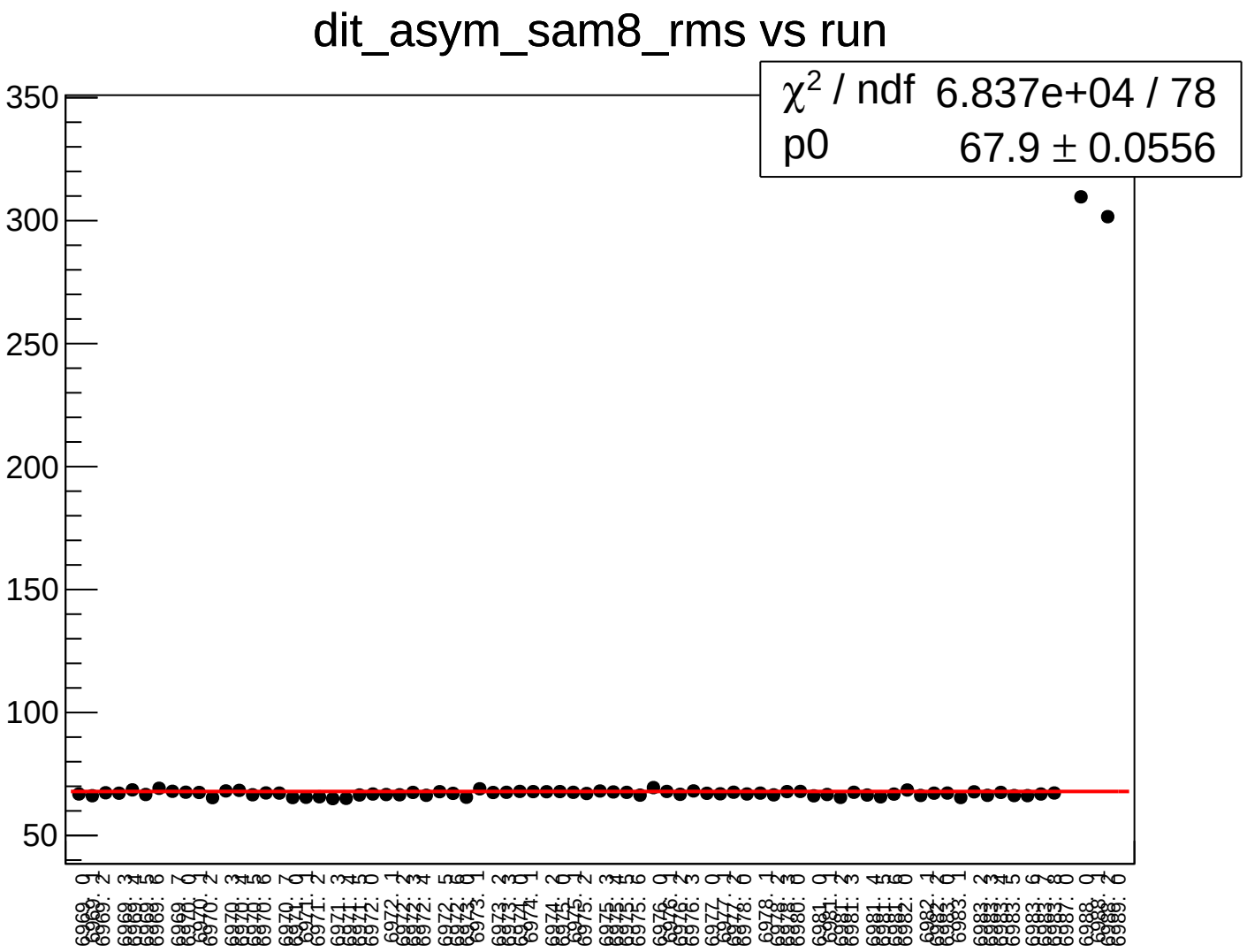

pull1D
Entries 79
Mean 0.01258
Std Dev 0.888
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

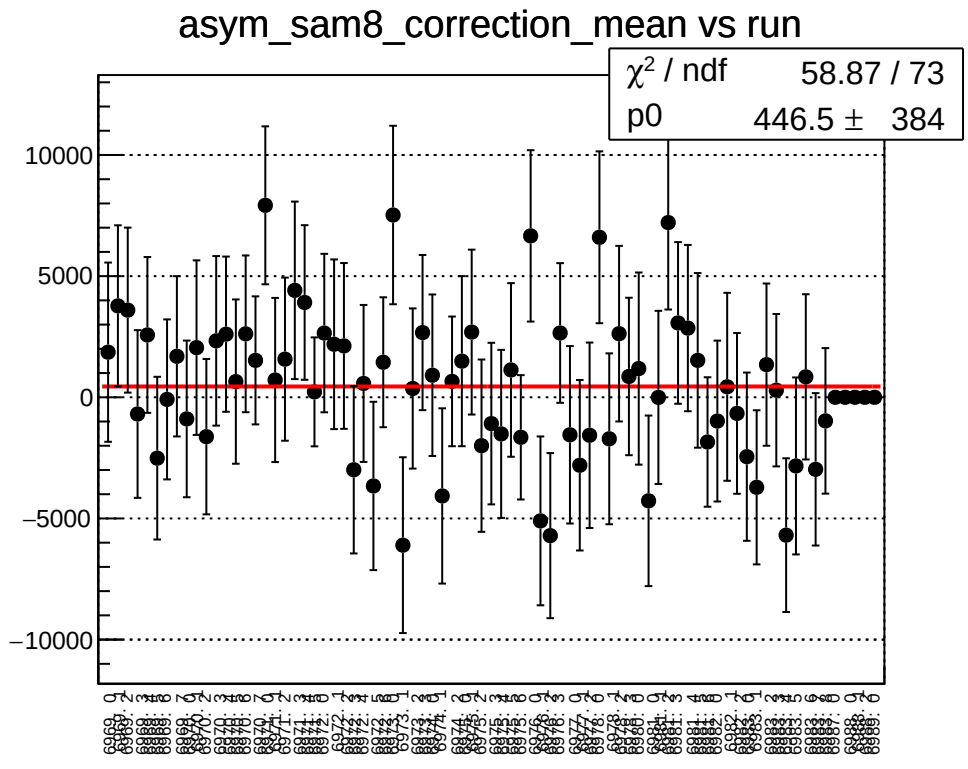

asym_sam7_correction_rms vs run
χ^2 / ndf 5174 / 73
p0 435.5 ± 0.3624
500
400
300
200
100
0

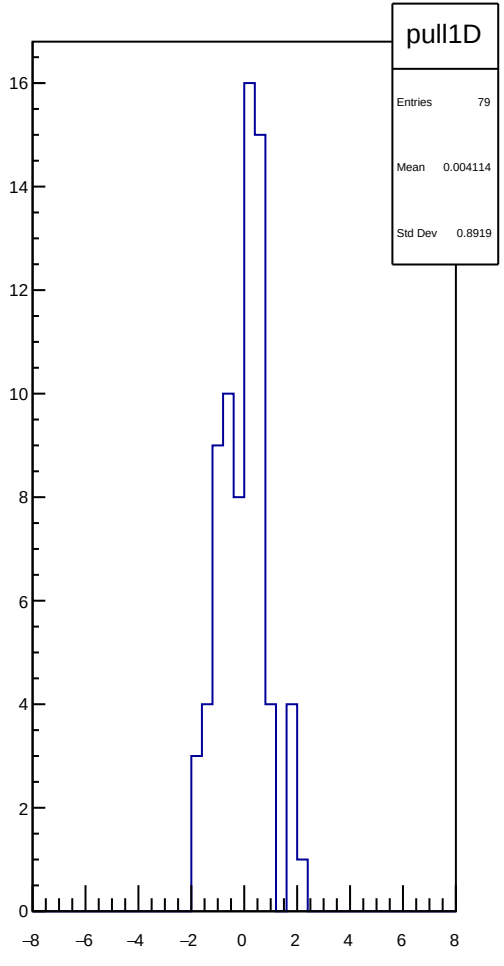

asym_sam7_mean vs run
χ² / ndf 70.5 / 78
p0 −313.7 ± 489.3
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 79
Mean −279.7
Std Dev 326.3
3
2
1
0
−1
−2
pull1D
Entries 79
Mean −0.01867
Std Dev 0.9445
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam7_rms vs run
χ^2 / ndf 7511 / 78
p0 431.1 ± 0.346
520
500
480
460
440
420
400
380
360

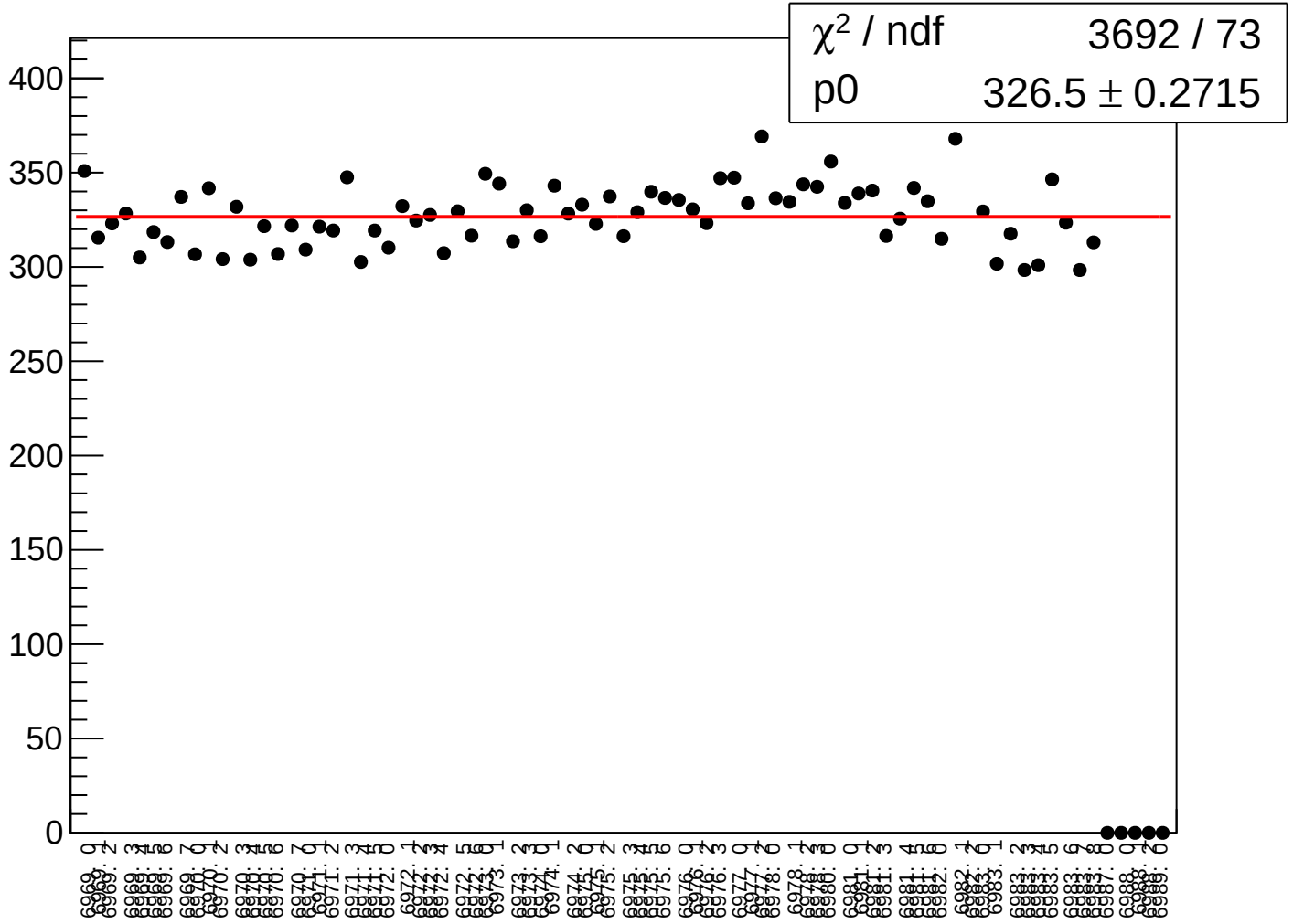

dit_asym_sam8_mean vs run
χ² / ndf 86.62 / 78
p0 −301.1 ± 78.63
pull
Entries 79
Mean 32.61
Std Dev 42.38
pull1D
Entries 79
Mean 0.06464
Std Dev 1.045

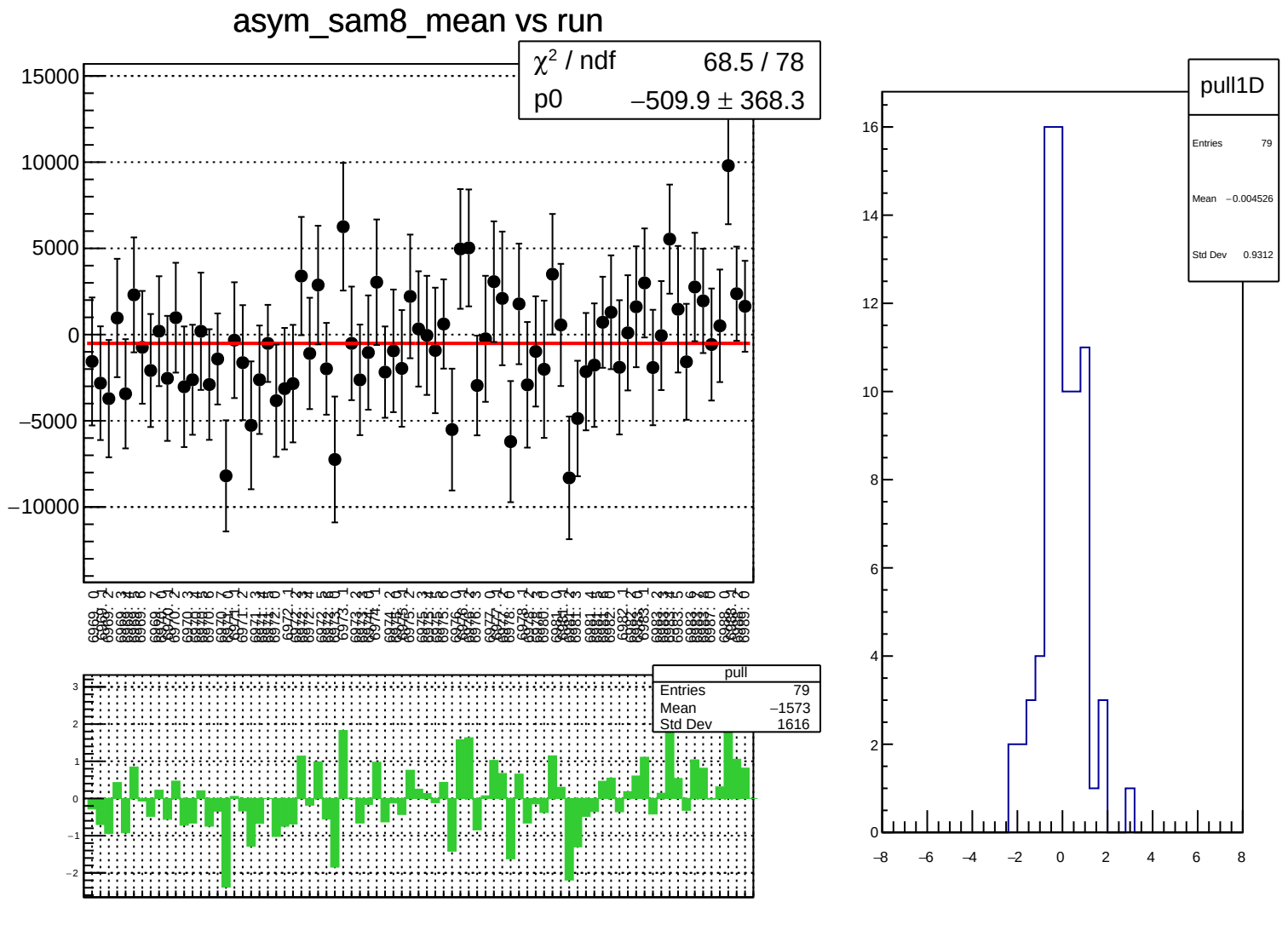

dit_asym_sam8_rms vs run
χ2 / ndf 6.837e+04 / 78
p0 67.9 ± 0.0556
350
300
250
200
150
100
50

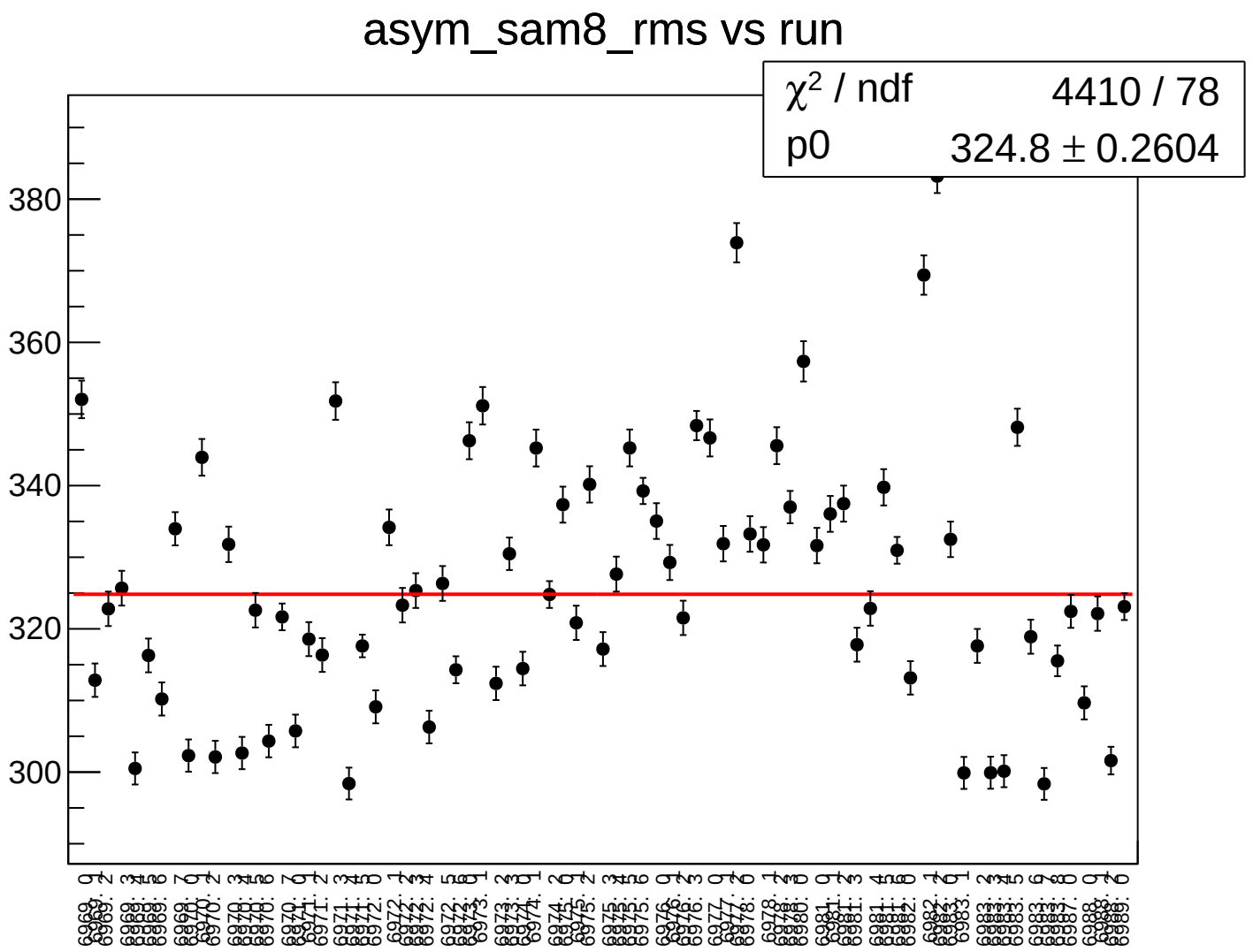

asym_sam8_correction_mean vs run
χ^2 / ndf 58.87 / 73
p0 446.5 ± 384
10000
5000
0
−5000
−10000

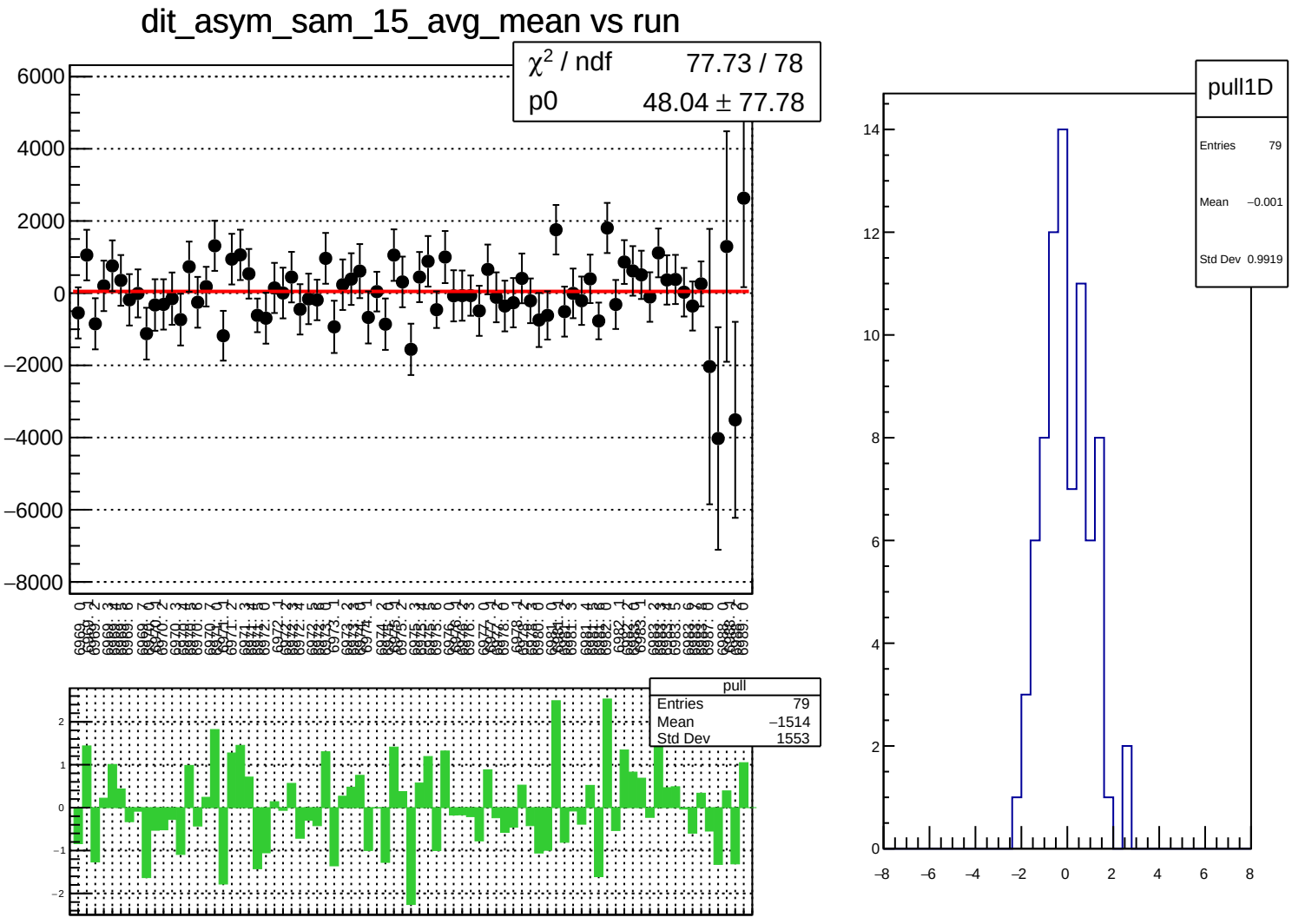

pull1D
Entries 79
Mean 0.004114
Std Dev 0.8919
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam8_correction_rms vs run

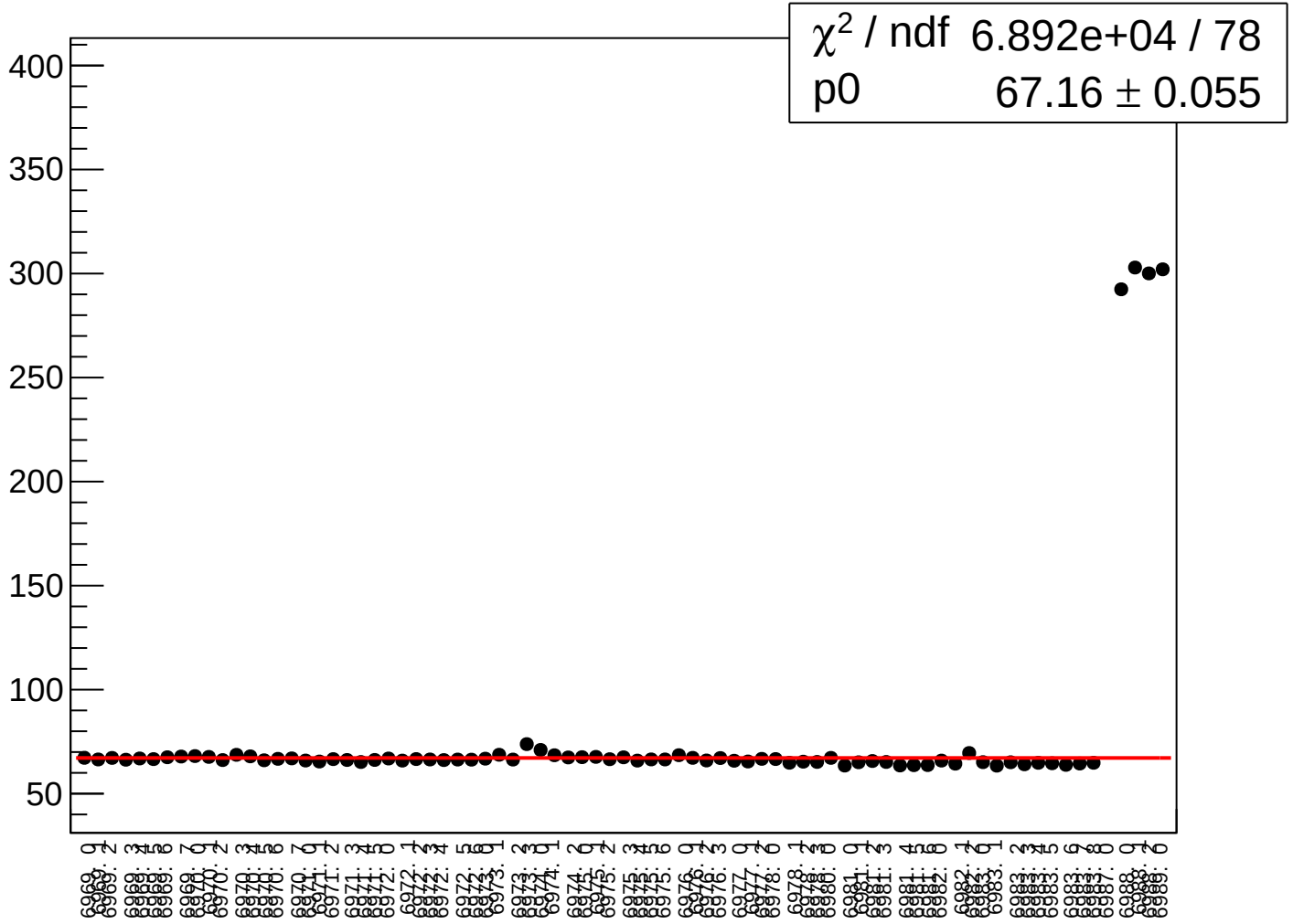


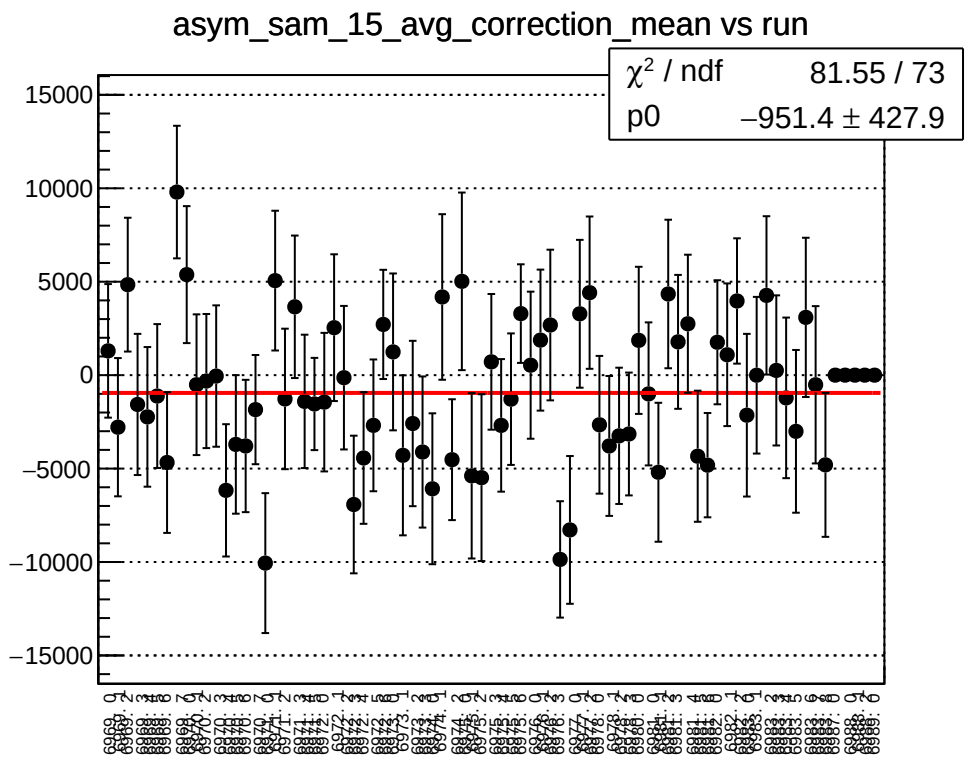

asym_sam8_mean vs run
χ² / ndf 68.5 / 78
p0 −509.9 ± 368.3
15000
10000
5000
0
−5000
−10000
pull
Entries 79
Mean −1573
Std Dev 1616
3
2
1
0
−1
−2
pull1D
Entries 79
Mean −0.004526
Std Dev 0.9312
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

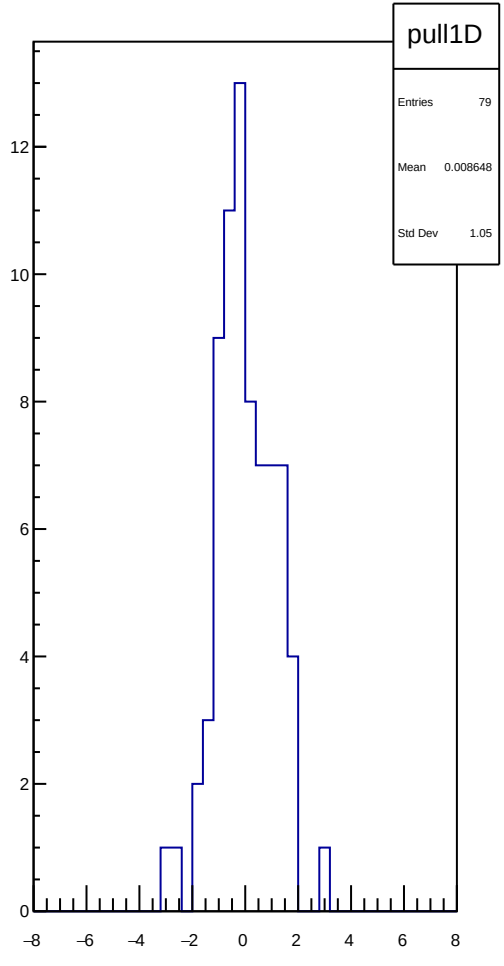

asym_sam8_rms vs run
χ2 / ndf 4410 / 78
p0 324.8 ± 0.2604
380
360
340
320
300

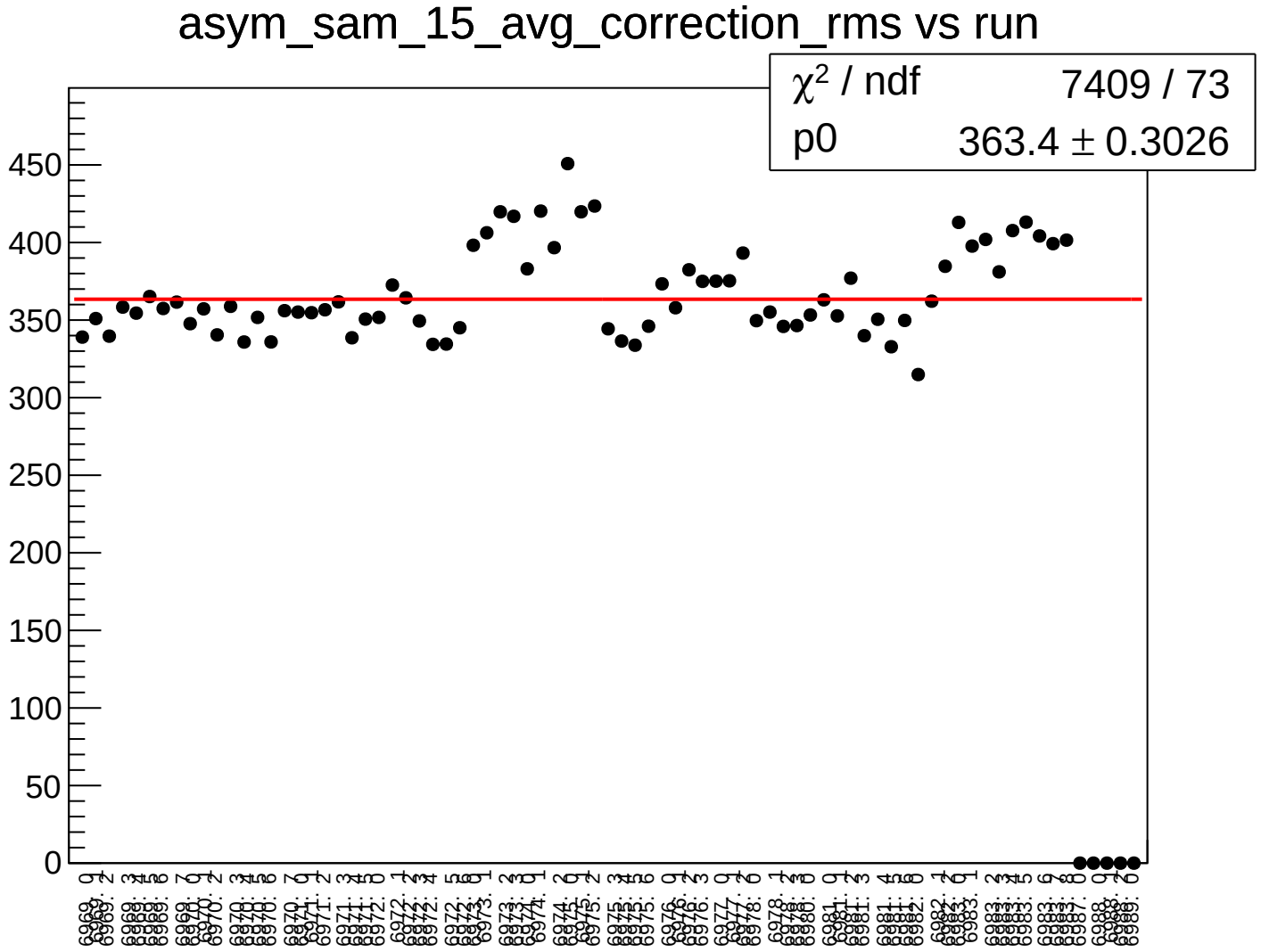

dit_asym_sam_15_avg_mean vs run
χ² / ndf 77.73 / 78
p0 48.04 ± 77.78
pull
Entries 79
Mean −1514
Std Dev 1553
pull1D
Entries 79
Mean −0.001
Std Dev 0.9919

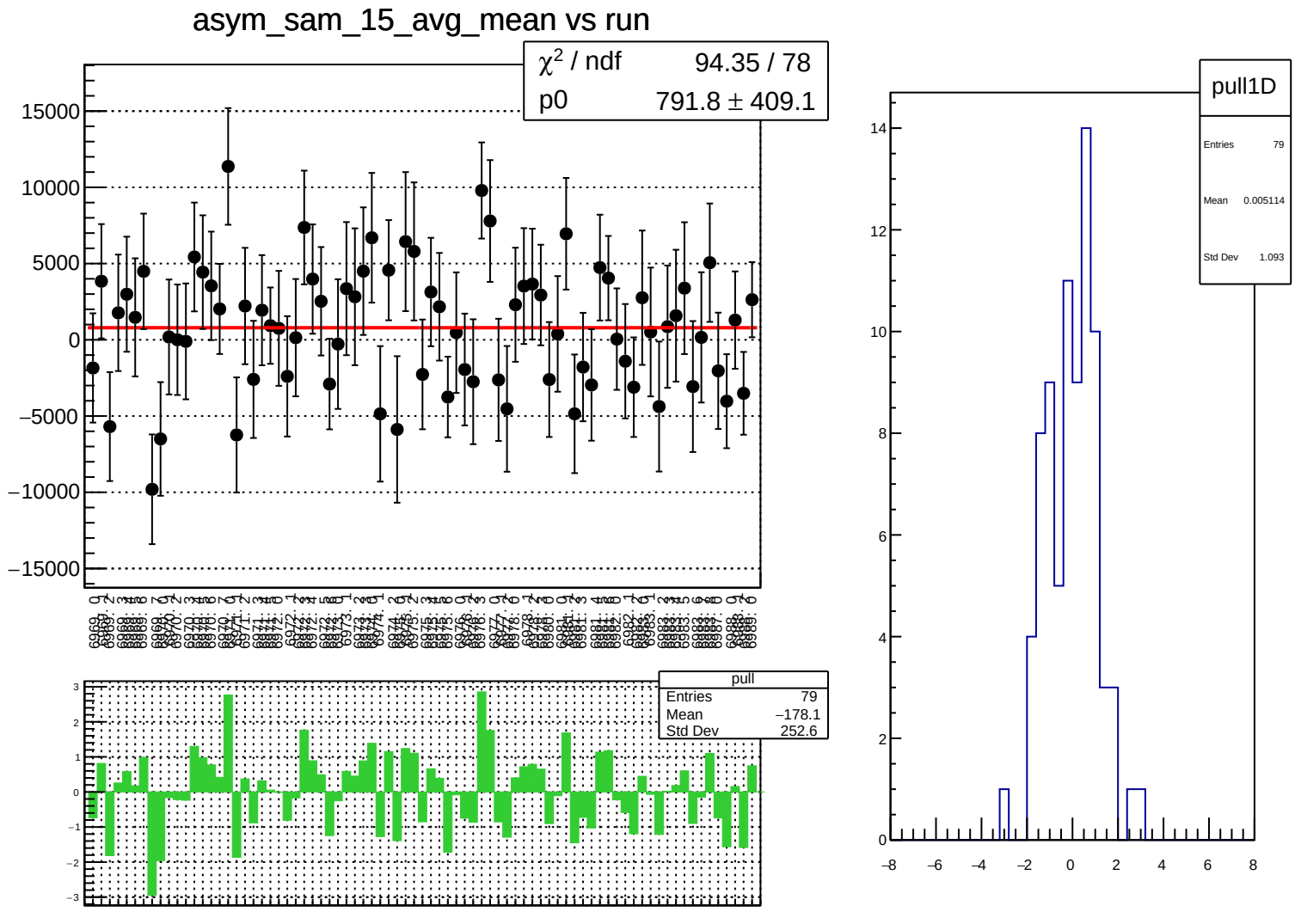
dit_asym_sam_15_avg_rms vs run

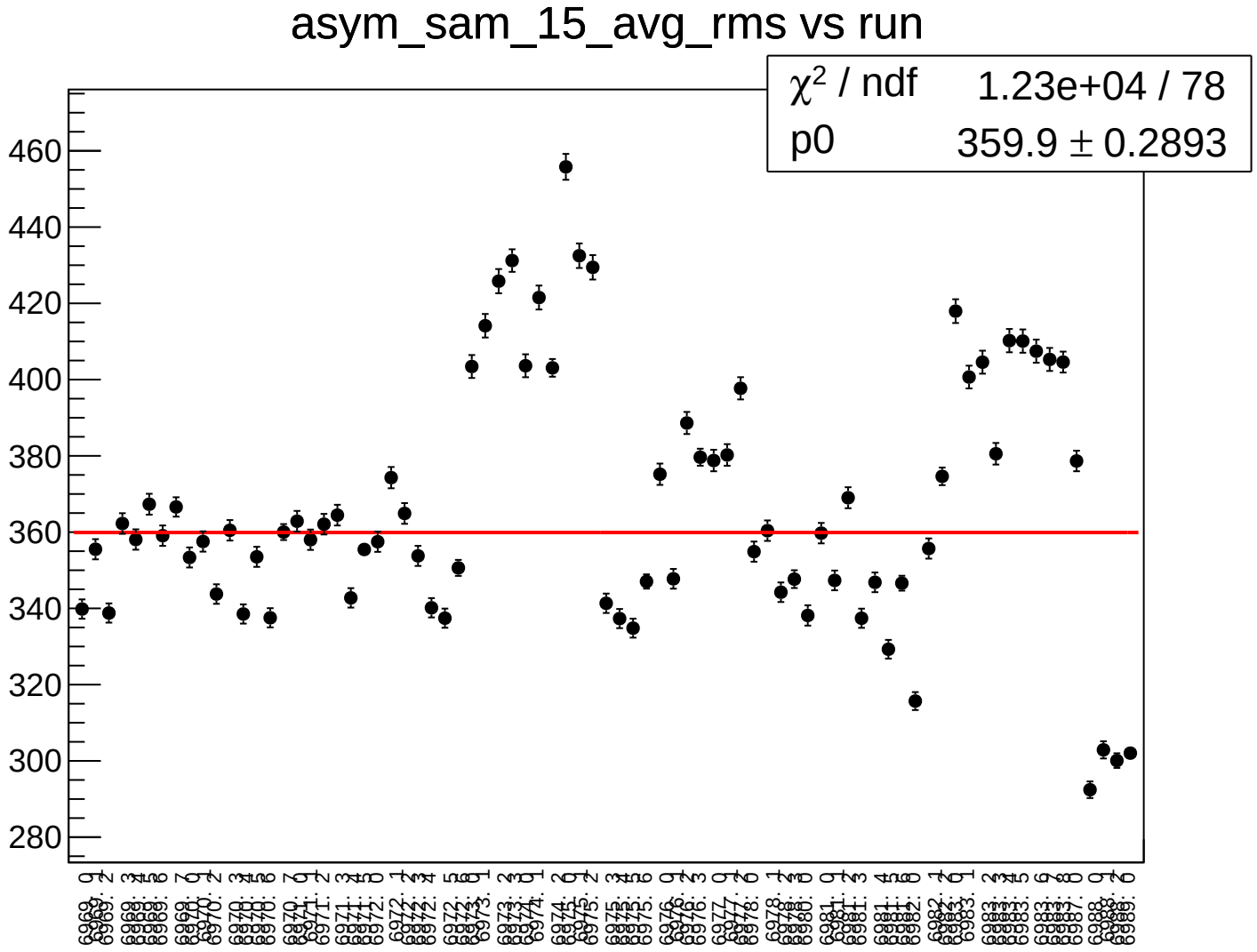


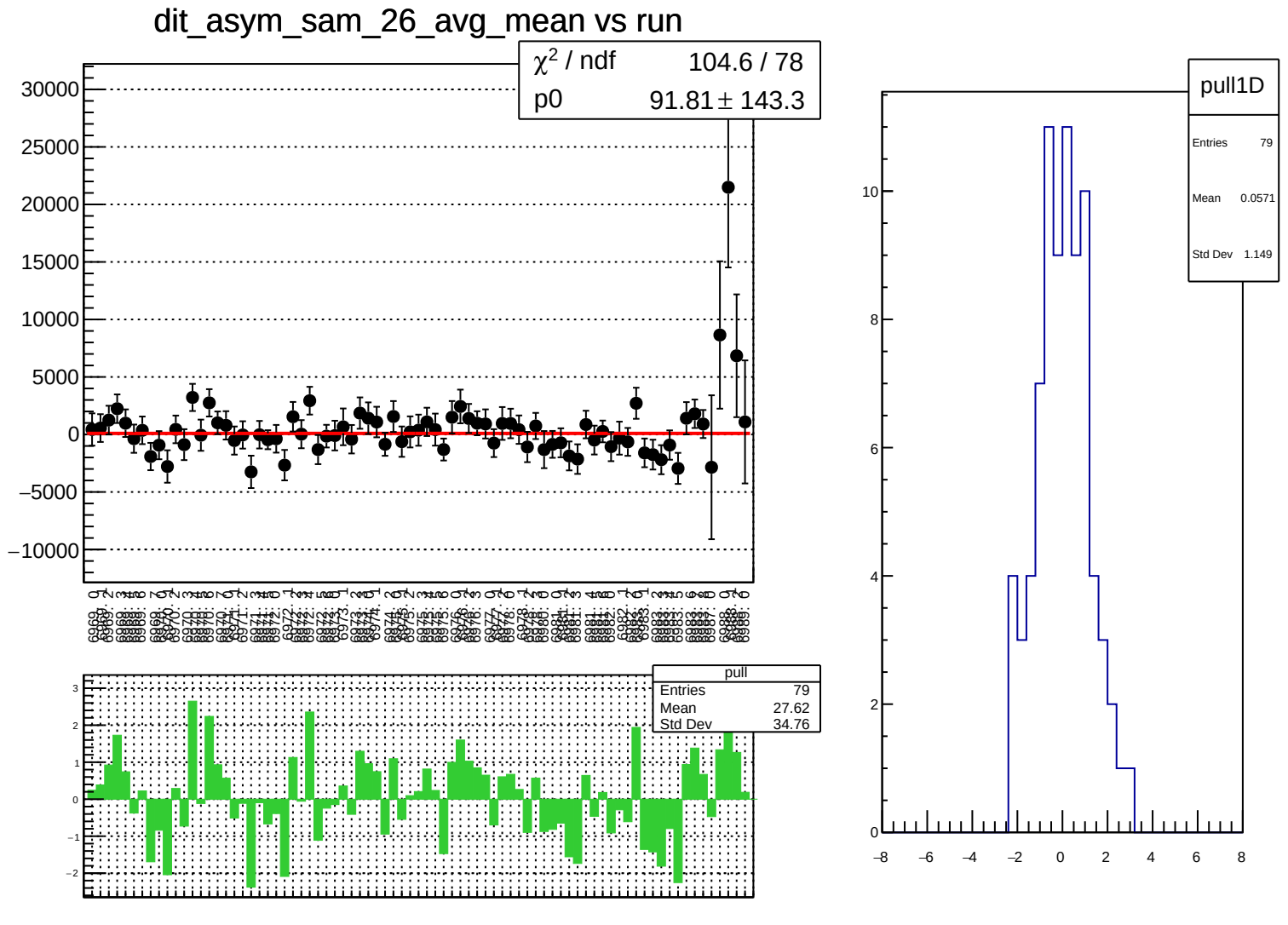

asym_sam_15_avg_correction_mean vs run
χ^2 / ndf 81.55 / 73
p0 −951.4 ± 427.9
15000
10000
5000
0
−5000
−10000
−15000


pull1D
Entries 79
Mean 0.008648
Std Dev 1.05
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

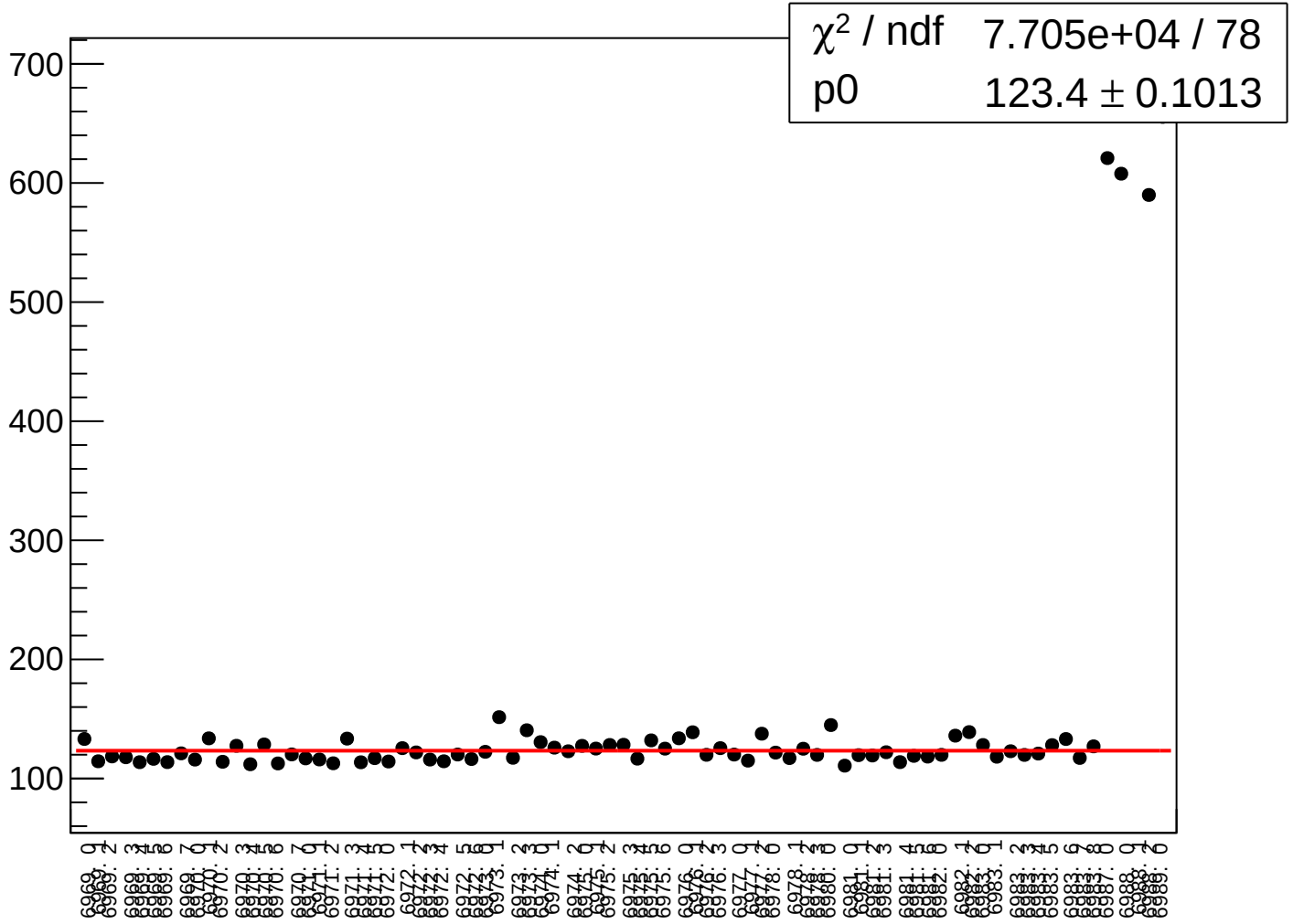

asym_sam_15_avg_correction_rms vs run
χ² / ndf 7409 / 73
p0 363.4 ± 0.3026
450
400
350
300
250
200
150
100
50
0

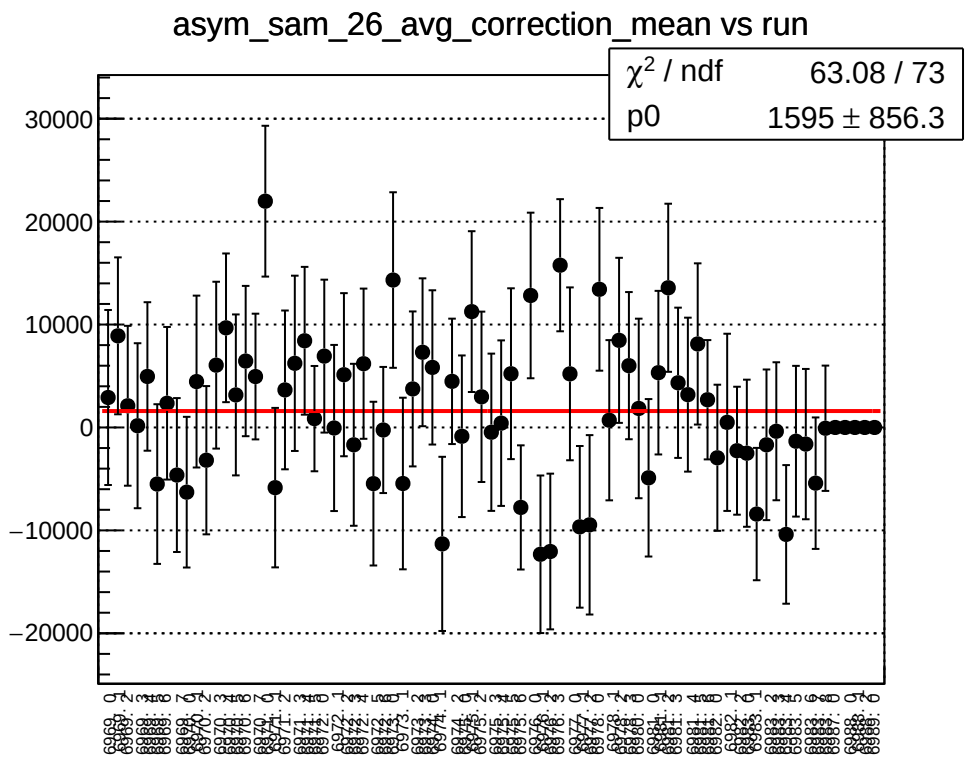

asym_sam_15_avg_mean vs run
χ² / ndf 94.35 / 78
p0 791.8 ± 409.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 79
Mean −178.1
Std Dev 252.6
3
2
1
0
−1
−2
−3
pull1D
Entries 79
Mean 0.005114
Std Dev 1.093
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

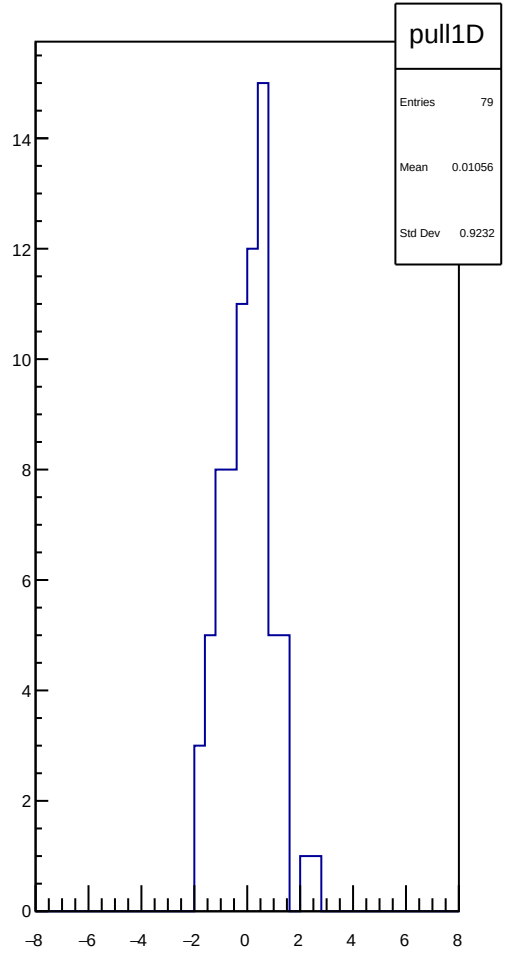

asym_sam_15_avg_rms vs run
χ^2 / ndf 1.23e+04 / 78
p0 359.9 ± 0.2893
460
440
420
400
380
360
340
320
300
280

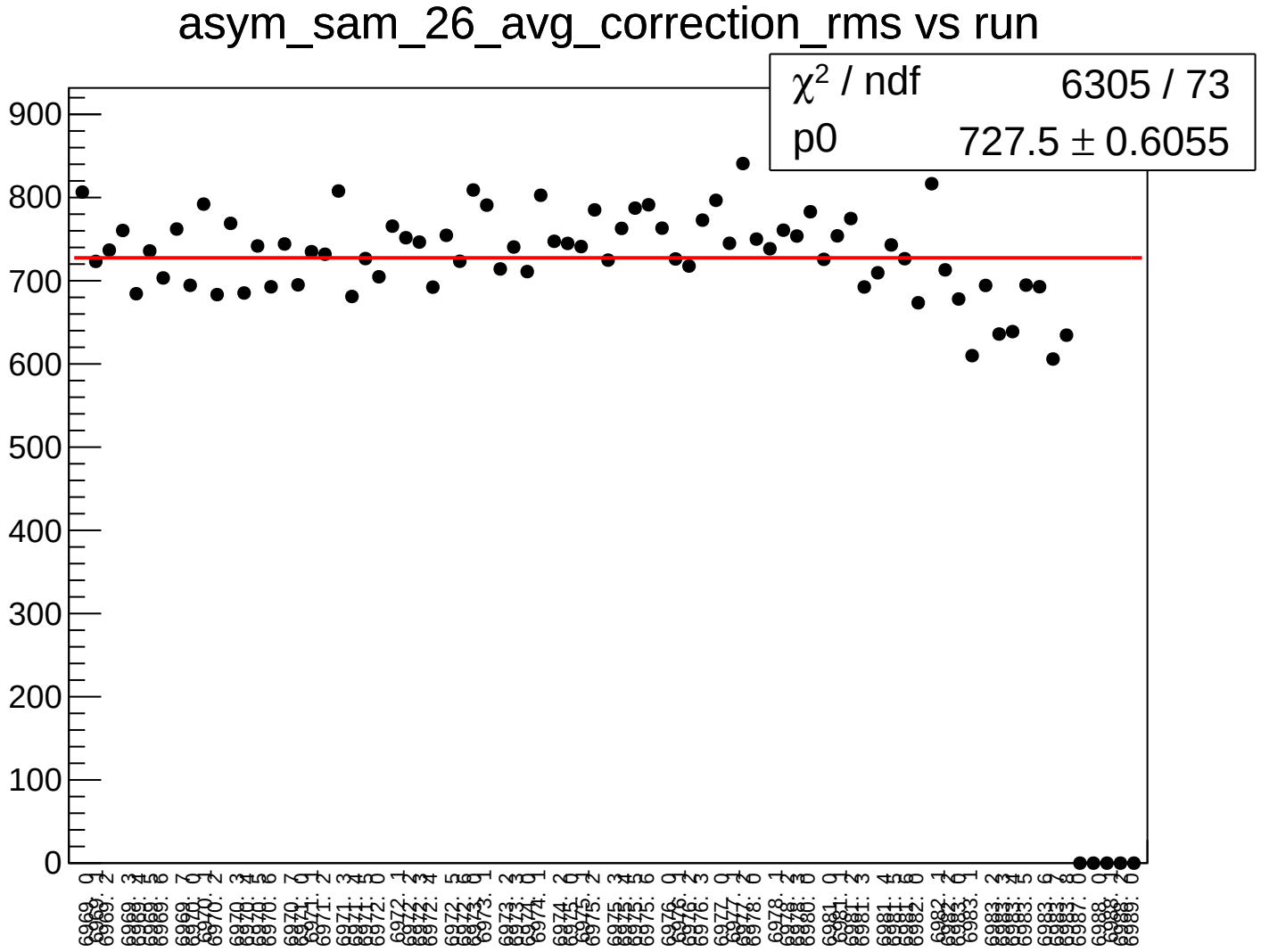

dit_asym_sam_26_avg_mean vs run
χ² / ndf 104.6 / 78
p0 91.81 ± 143.3
pull
Entries 79
Mean 27.62
Std Dev 34.76
pull1D
Entries 79
Mean 0.0571
Std Dev 1.149

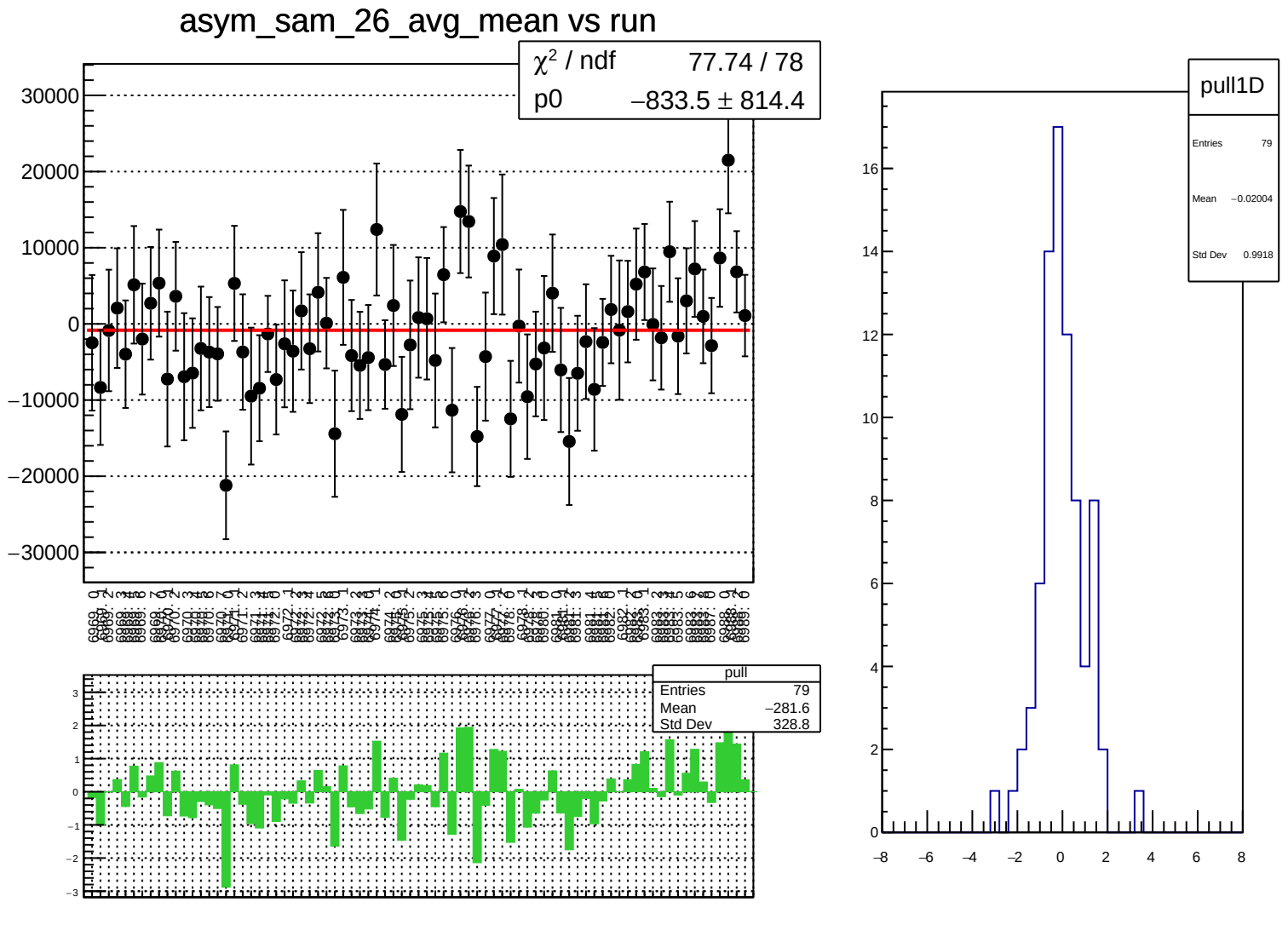
dit_asym_sam_26_avg_rms vs run

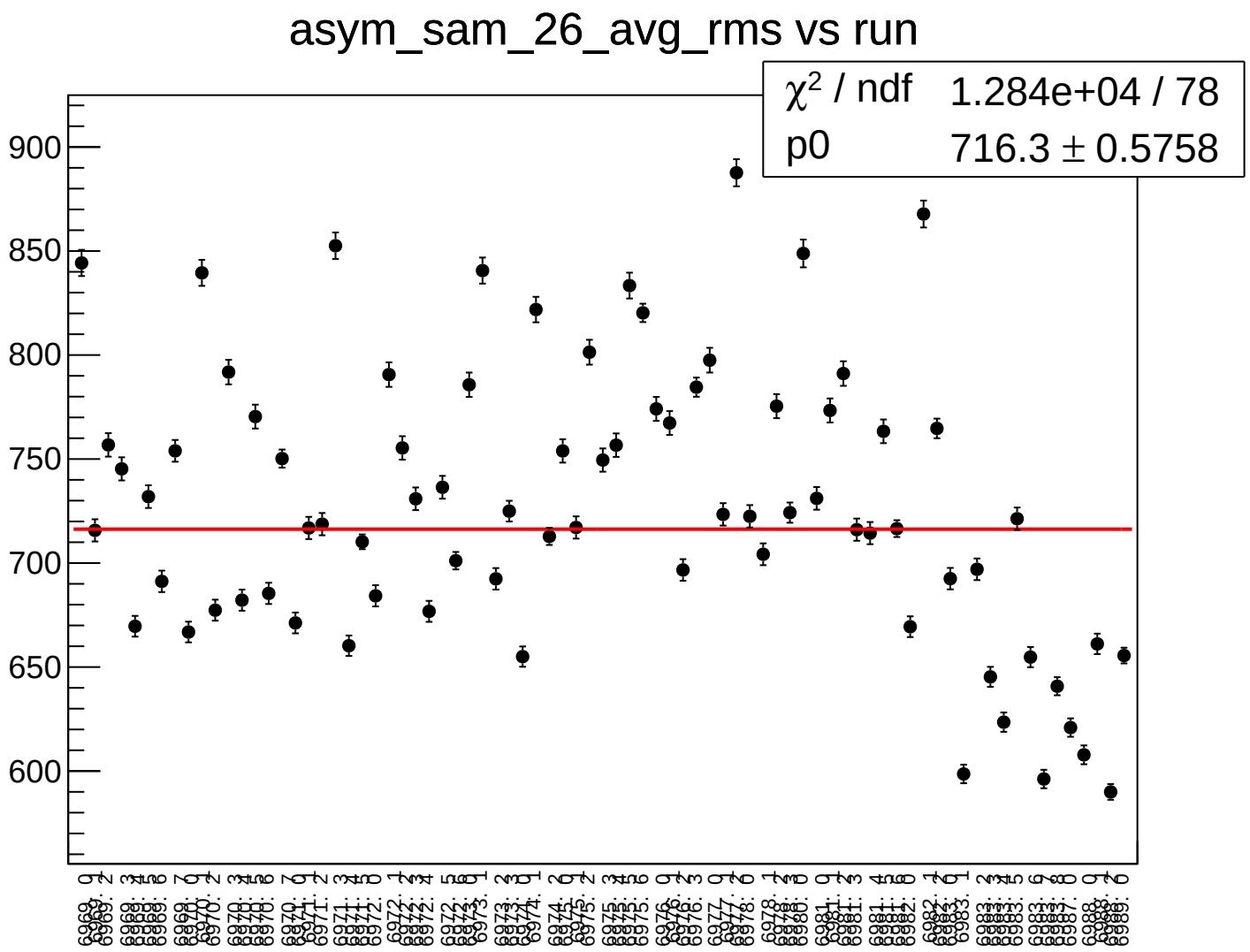


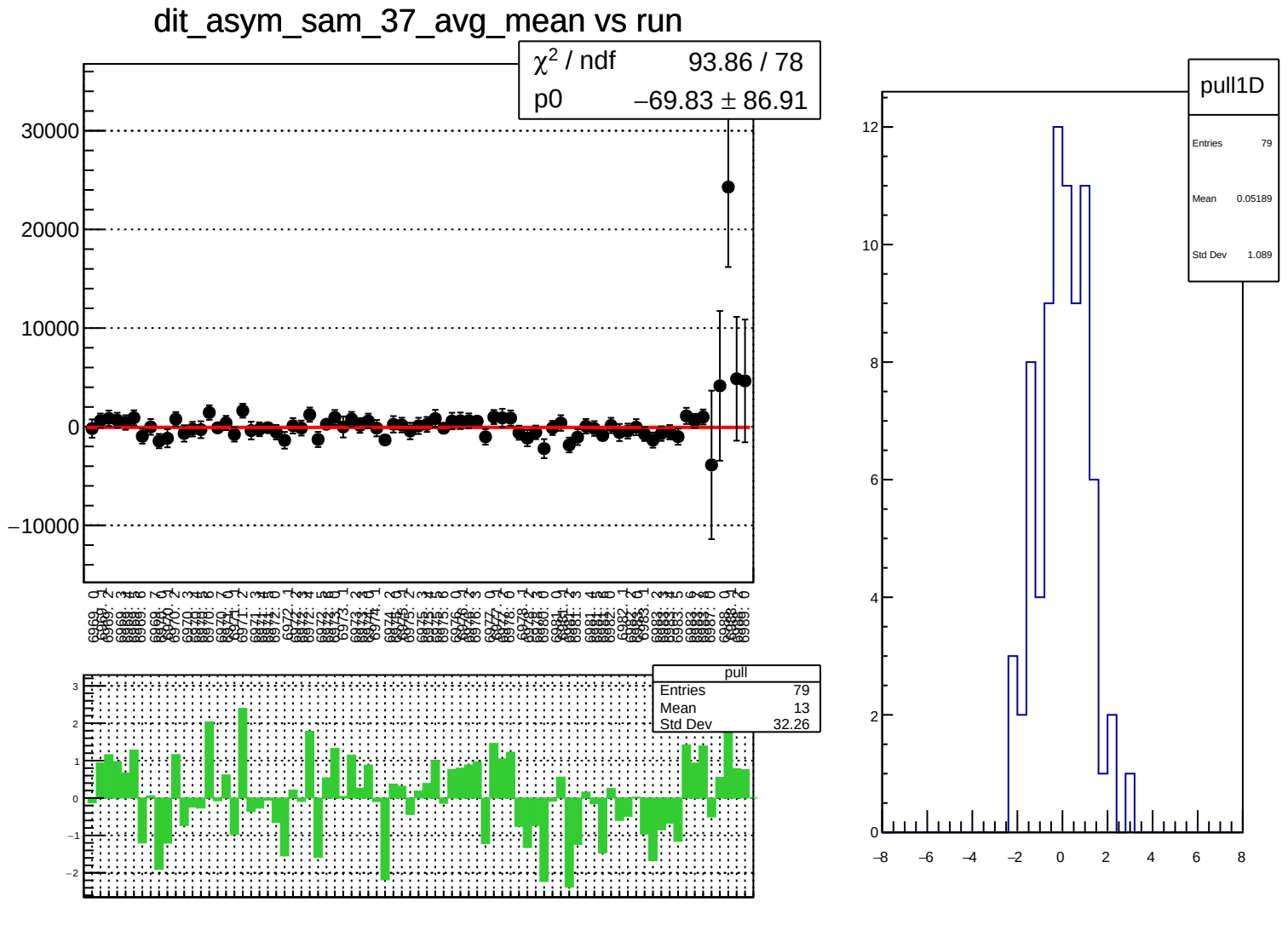

asym_sam_26_avg_correction_mean vs run
χ^2 / ndf 63.08 / 73
p0 1595 ± 856.3
30000
20000
10000
0
−10000
−20000


pull1D
Entries 79
Mean 0.01056
Std Dev 0.9232
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

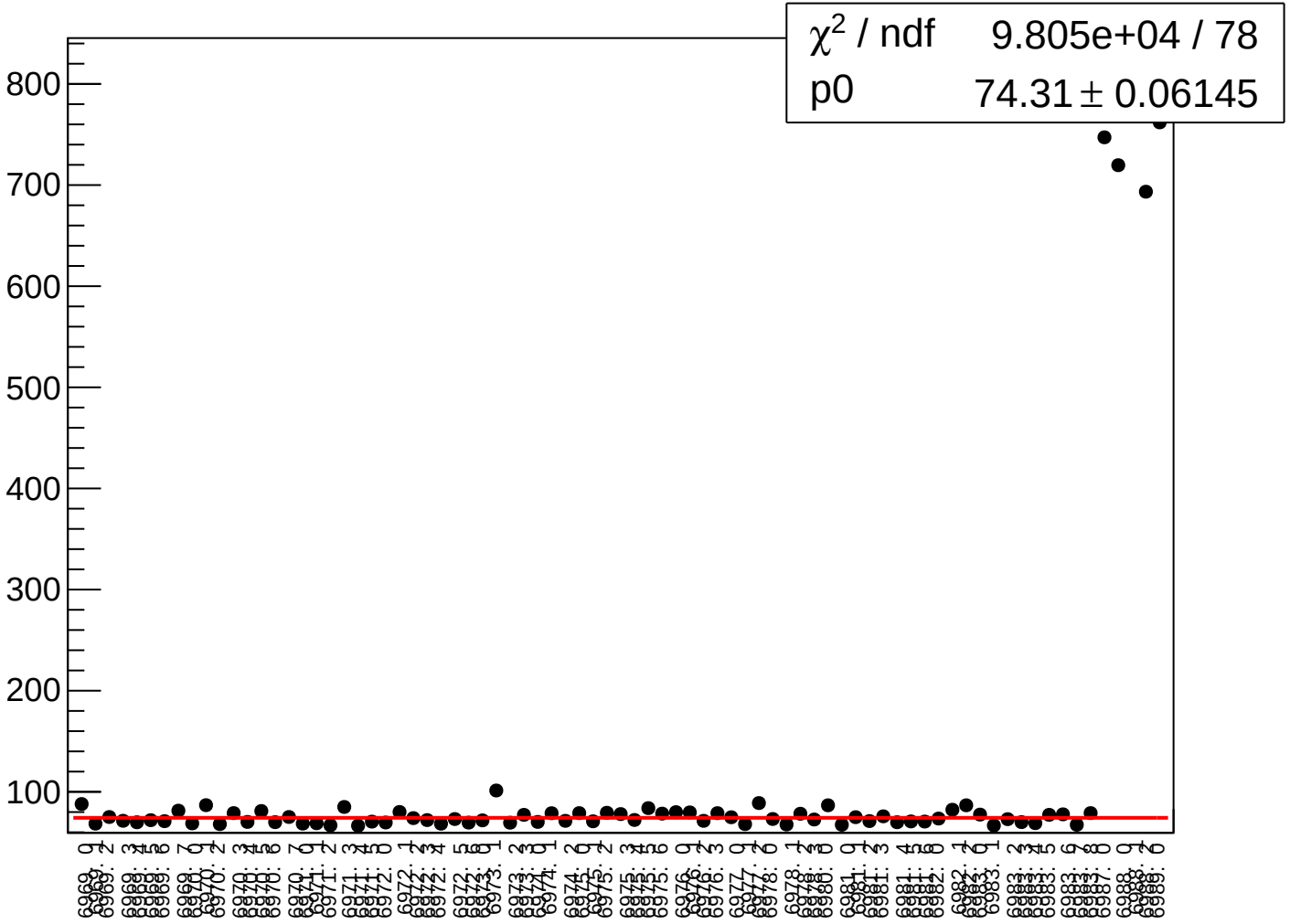

asym_sam_26_avg_correction_rms vs run
χ^2 / ndf 6305 / 73
p0 727.5 ± 0.6055
900
800
700
600
500
400
300
200
100
0

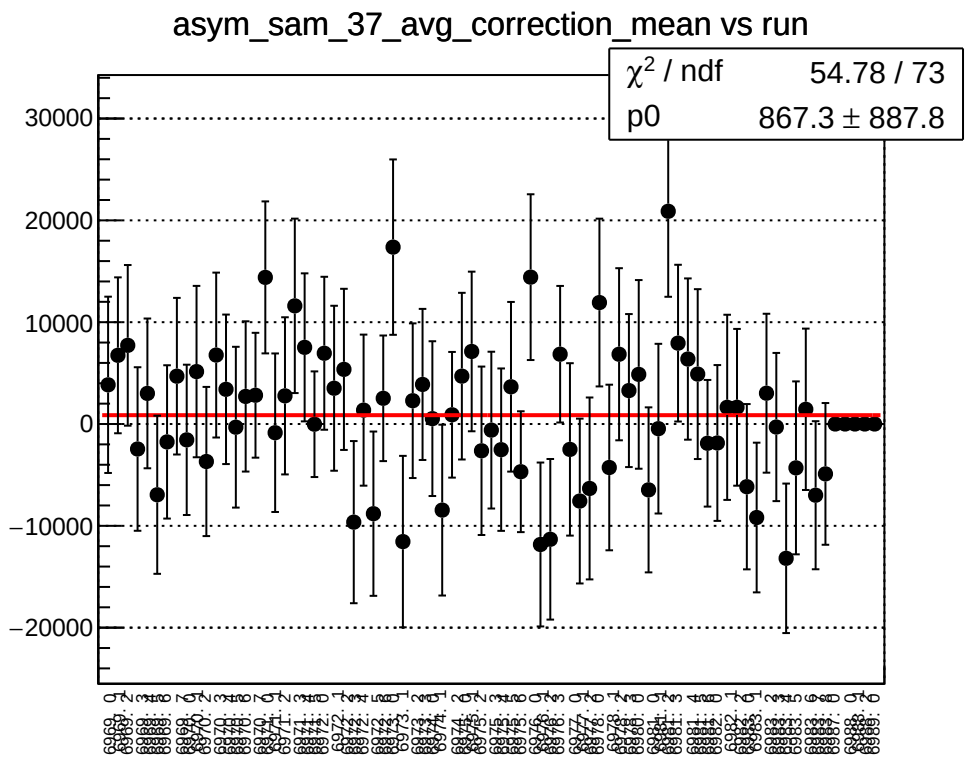

asym_sam_26_avg_mean vs run
χ² / ndf 77.74 / 78
p0 −833.5 ± 814.4
pull
Entries 79
Mean −281.6
Std Dev 328.8
pull1D
Entries 79
Mean −0.02004
Std Dev 0.9918

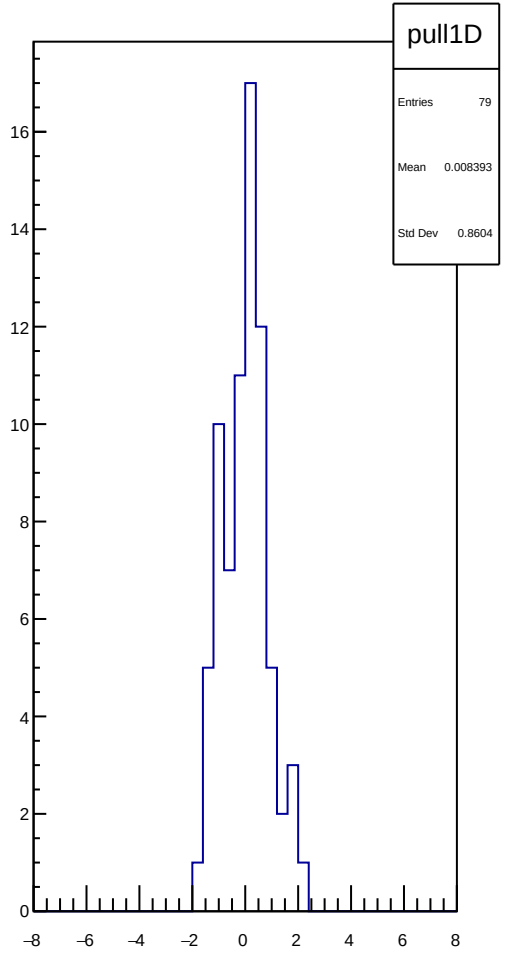

asym_sam_26_avg_rms vs run
χ^2 / ndf 1.284e+04 / 78
p0 716.3 ± 0.5758
900
850
800
750
700
650
600

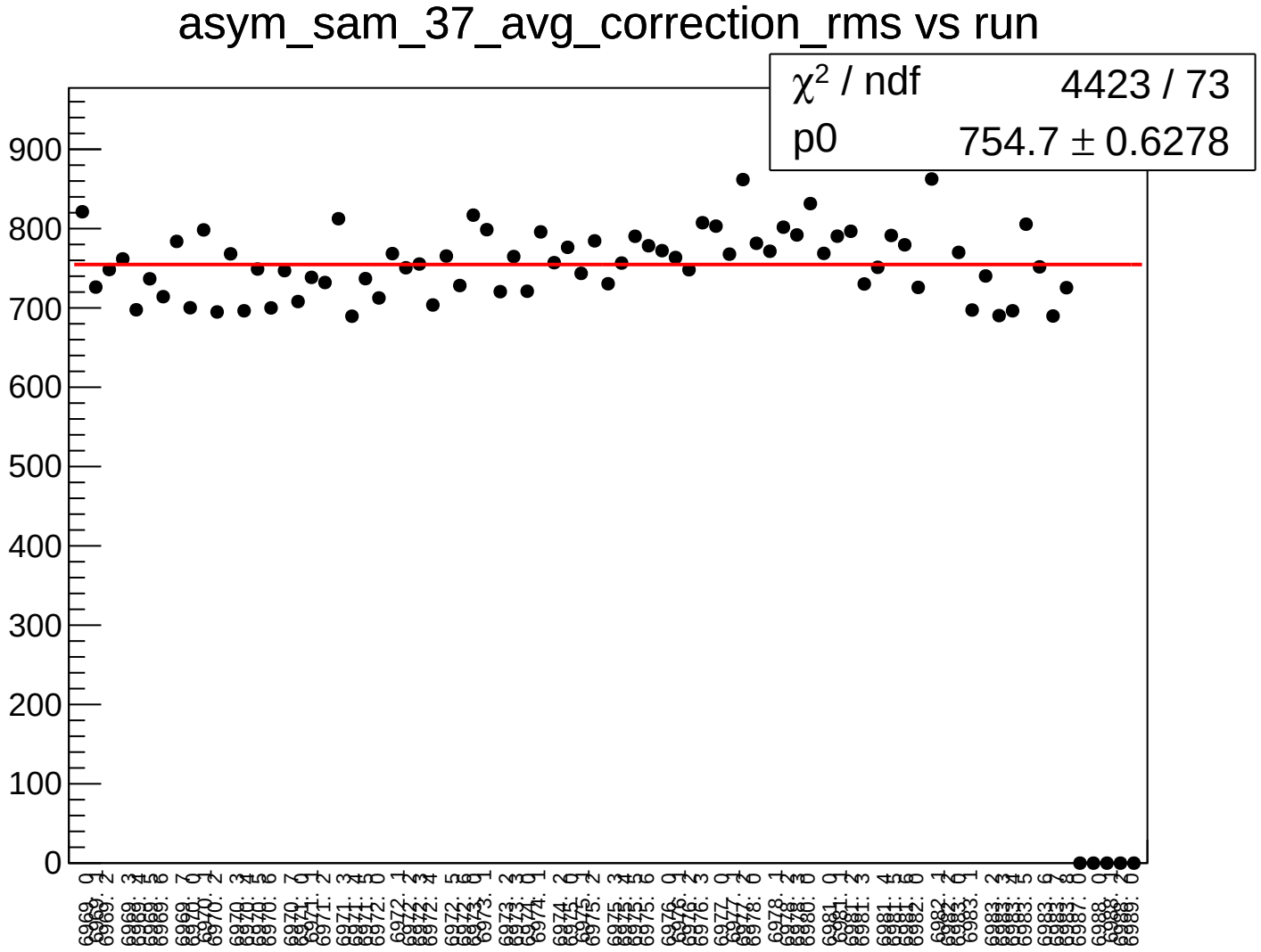

dit_asym_sam_37_avg_mean vs run
χ² / ndf 93.86 / 78
p0 −69.83 ± 86.91
30000
20000
10000
0
−10000
pull
Entries 79
Mean 13
Std Dev 32.26
3
2
1
0
−1
−2
pull1D
Entries 79
Mean 0.05189
Std Dev 1.089
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

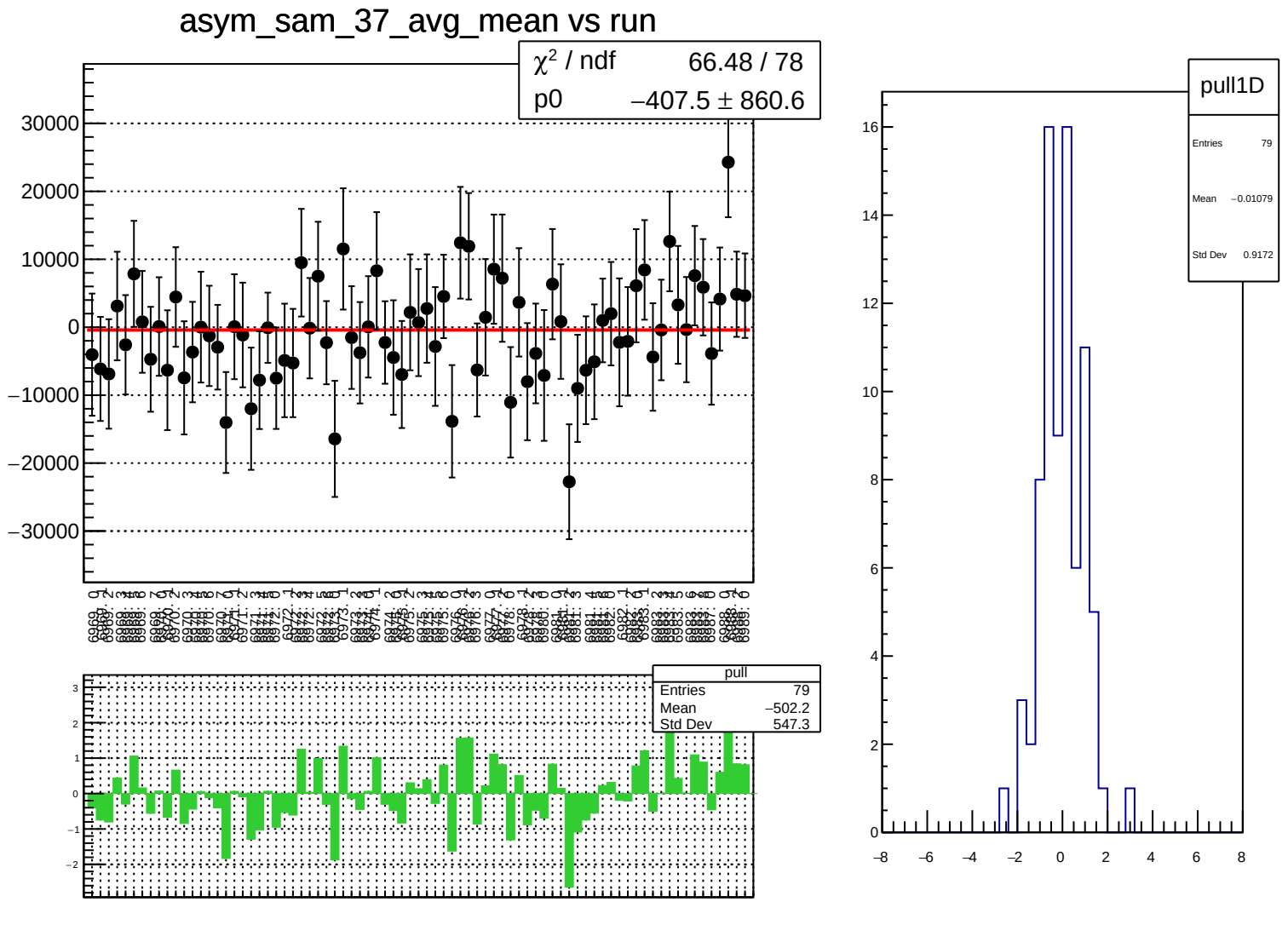
dit_asym_sam_37_avg_rms vs run

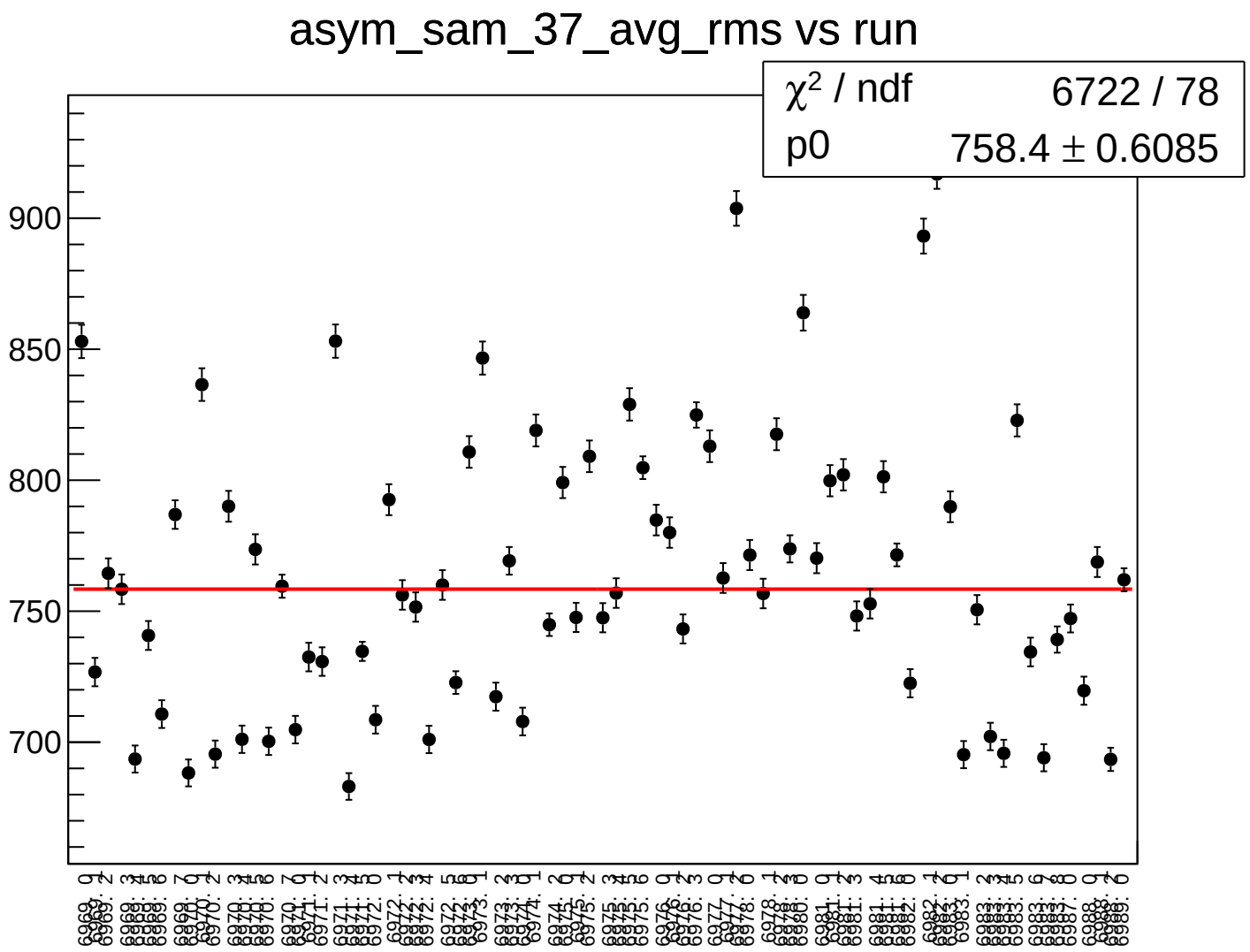


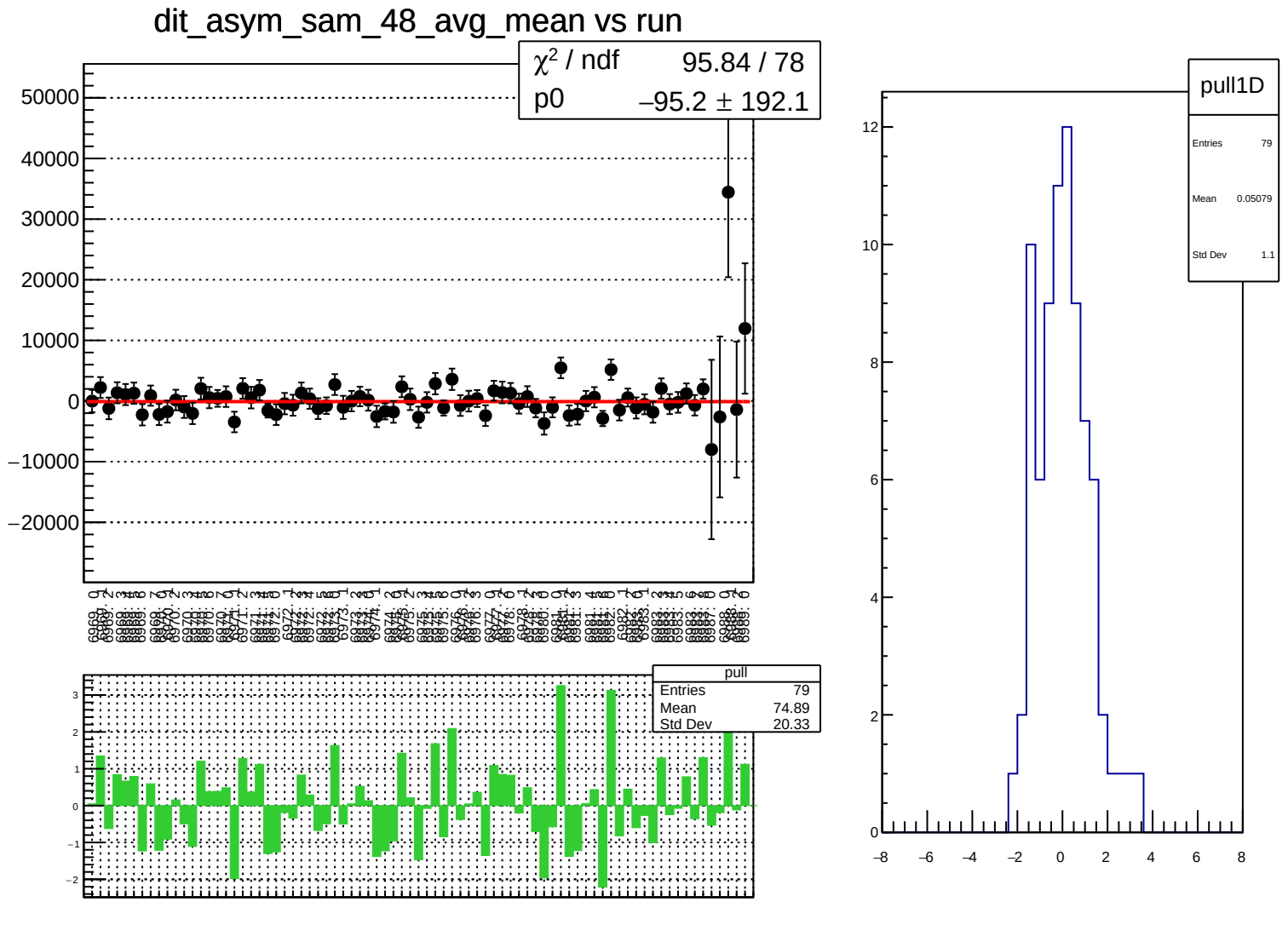

asym_sam_37_avg_correction_mean vs run
χ^2 / ndf 54.78 / 73
p0 867.3 ± 887.8
30000
20000
10000
0
−10000
−20000


pull1D
Entries 79
Mean 0.008393
Std Dev 0.8604
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

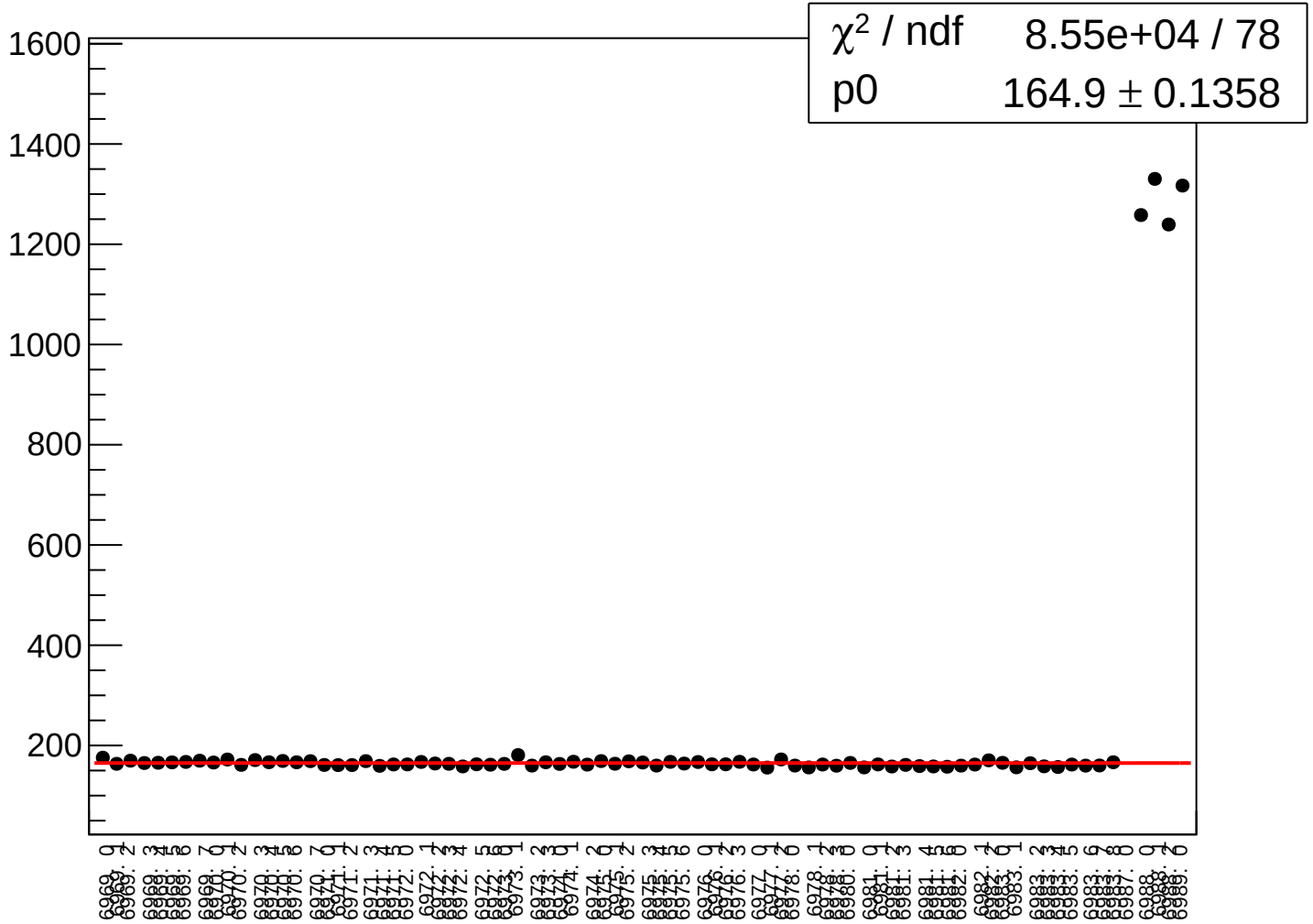

asym_sam_37_avg_correction_rms vs run
χ^2 / ndf 4423 / 73
p0 754.7 ± 0.6278
900
800
700
600
500
400
300
200
100
0

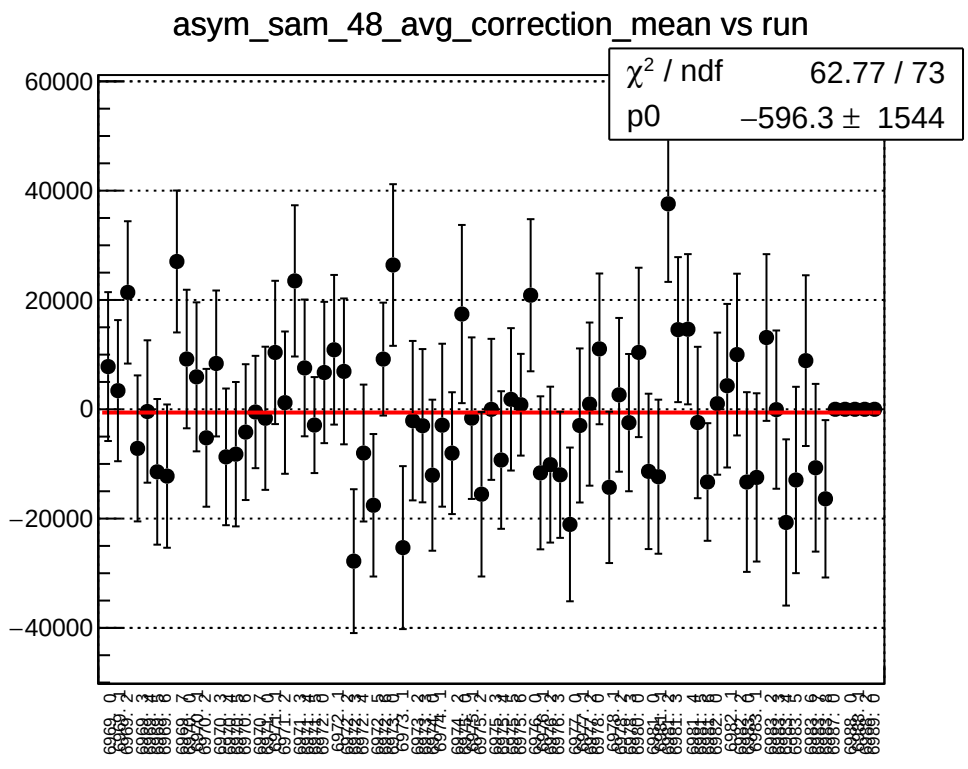

asym_sam_37_avg_mean vs run
χ² / ndf 66.48 / 78
p0 −407.5 ± 860.6
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 79
Mean −502.2
Std Dev 547.3
pull1D
Entries 79
Mean −0.01079
Std Dev 0.9172

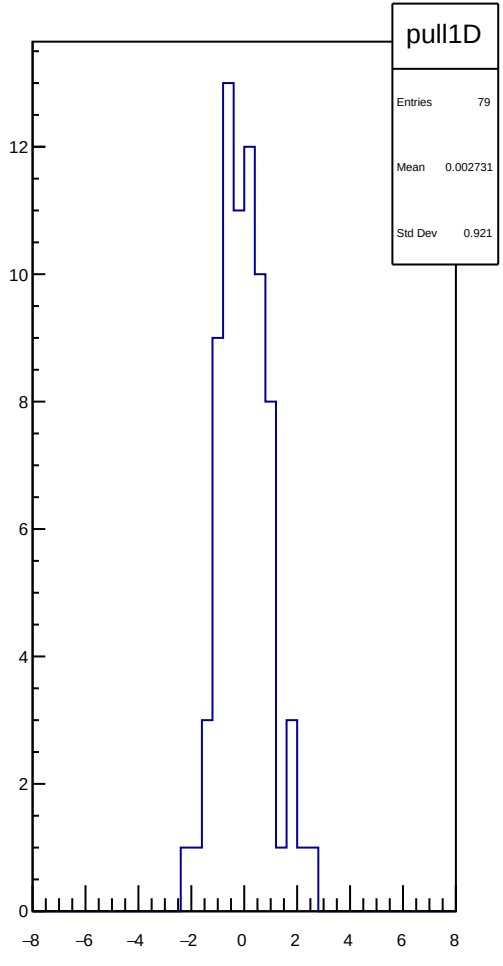

asym_sam_37_avg_rms vs run
χ^2 / ndf 6722 / 78
p0 758.4 ± 0.6085
900
850
800
750
700

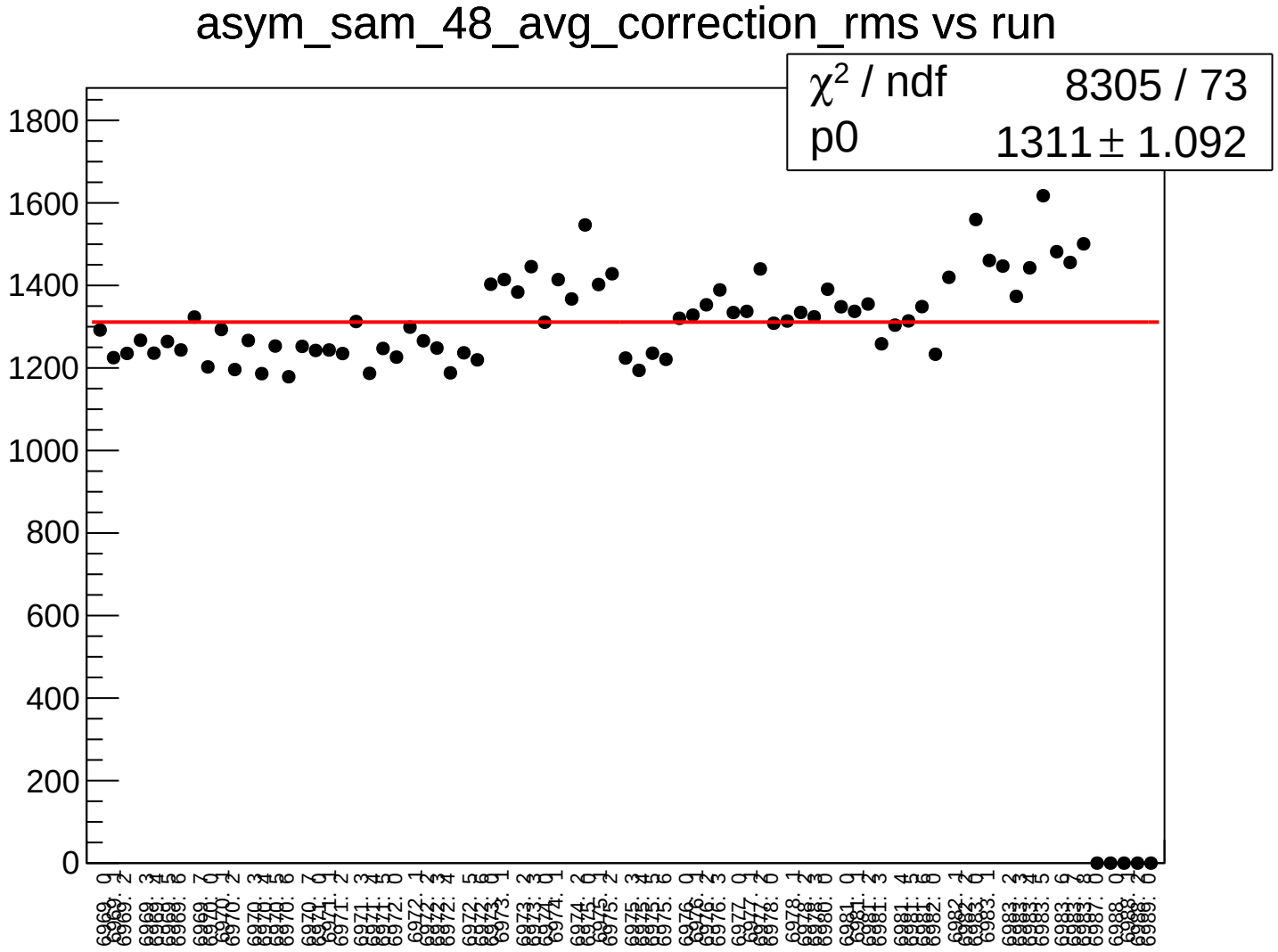

dit_asym_sam_48_avg_mean vs run
χ² / ndf 95.84 / 78
p0 −95.2 ± 192.1
pull
Entries 79
Mean 74.89
Std Dev 20.33
pull1D
Entries 79
Mean 0.05079
Std Dev 1.1

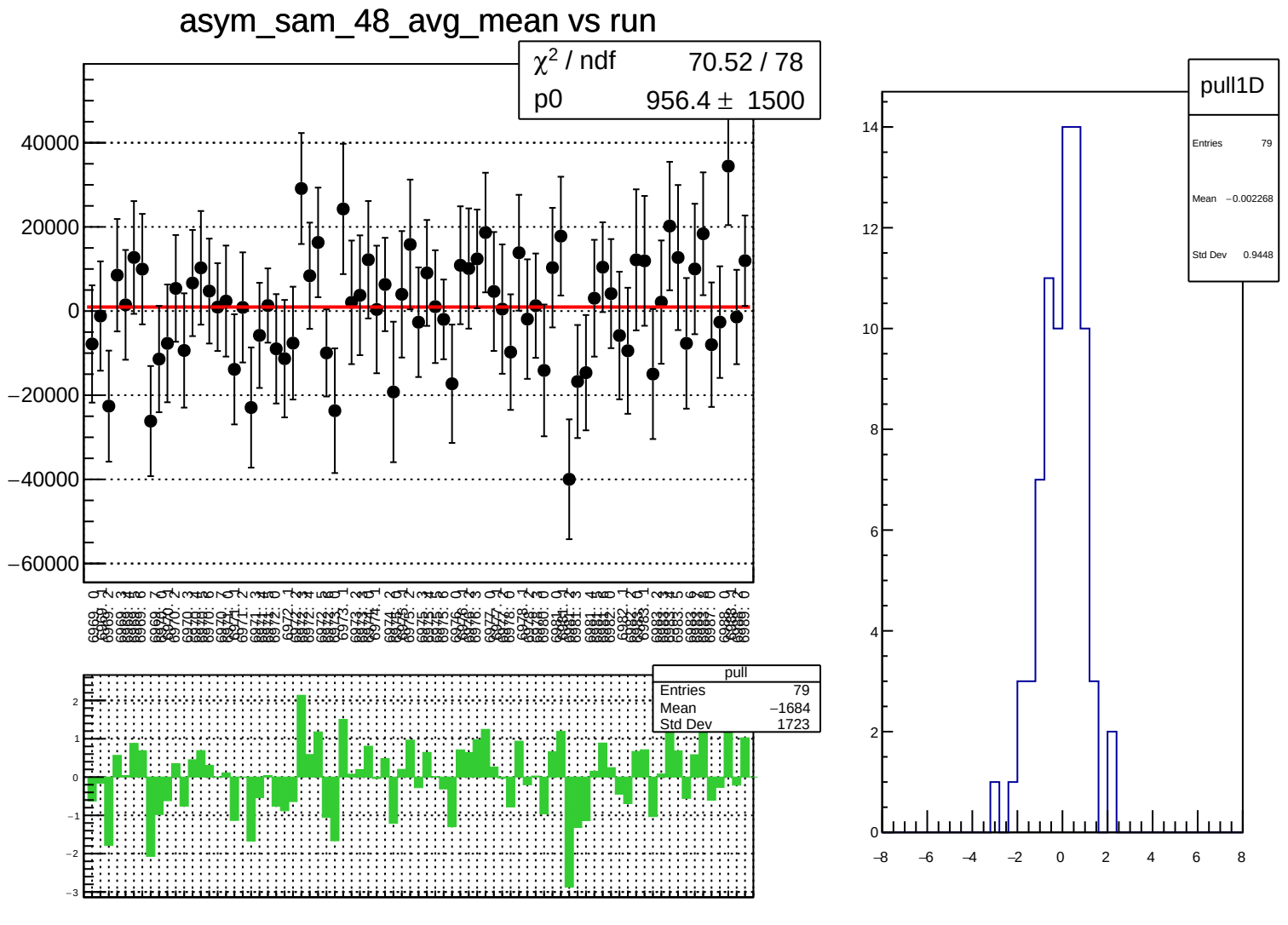
dit_asym_sam_48_avg_rms vs run

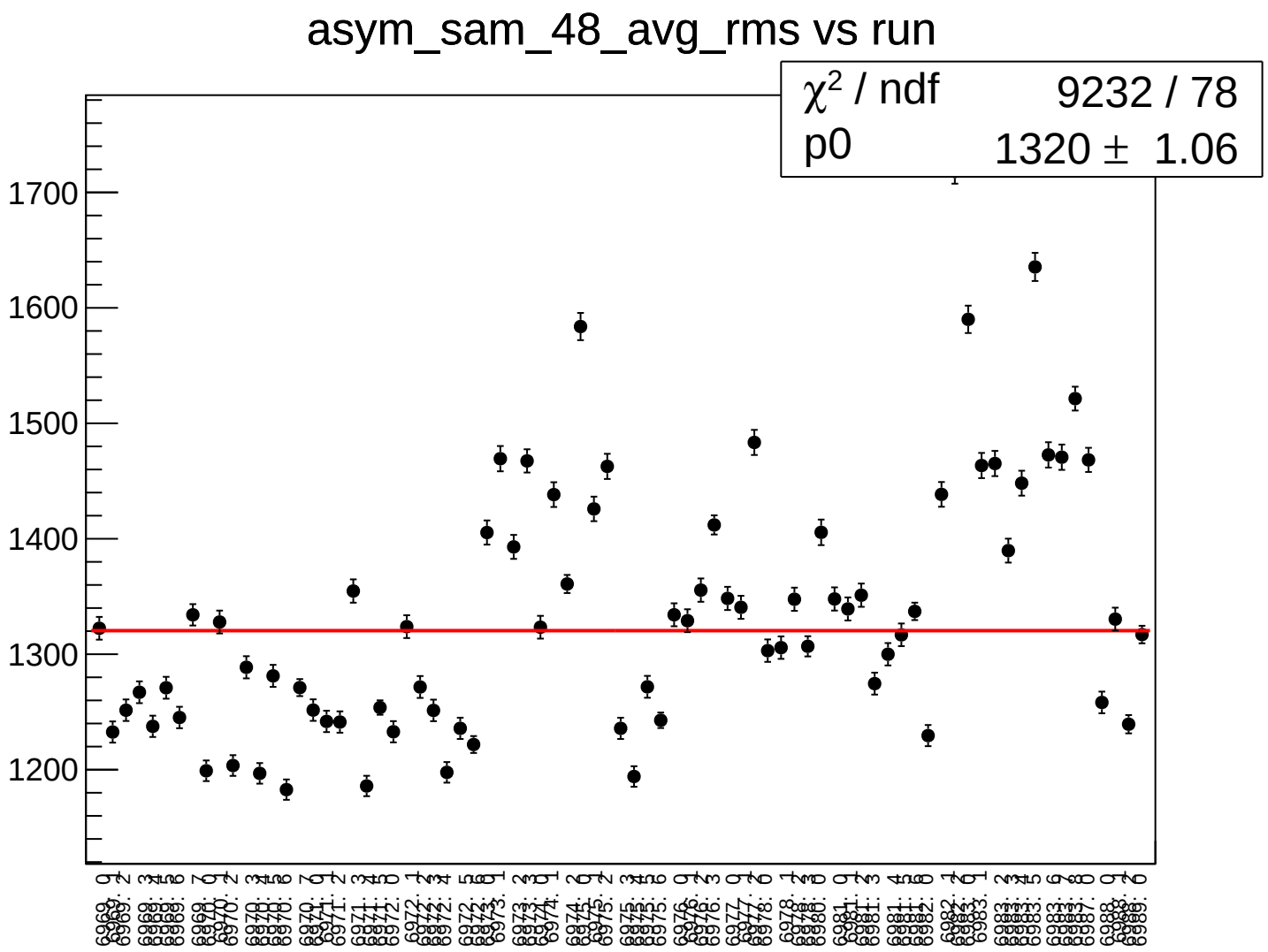


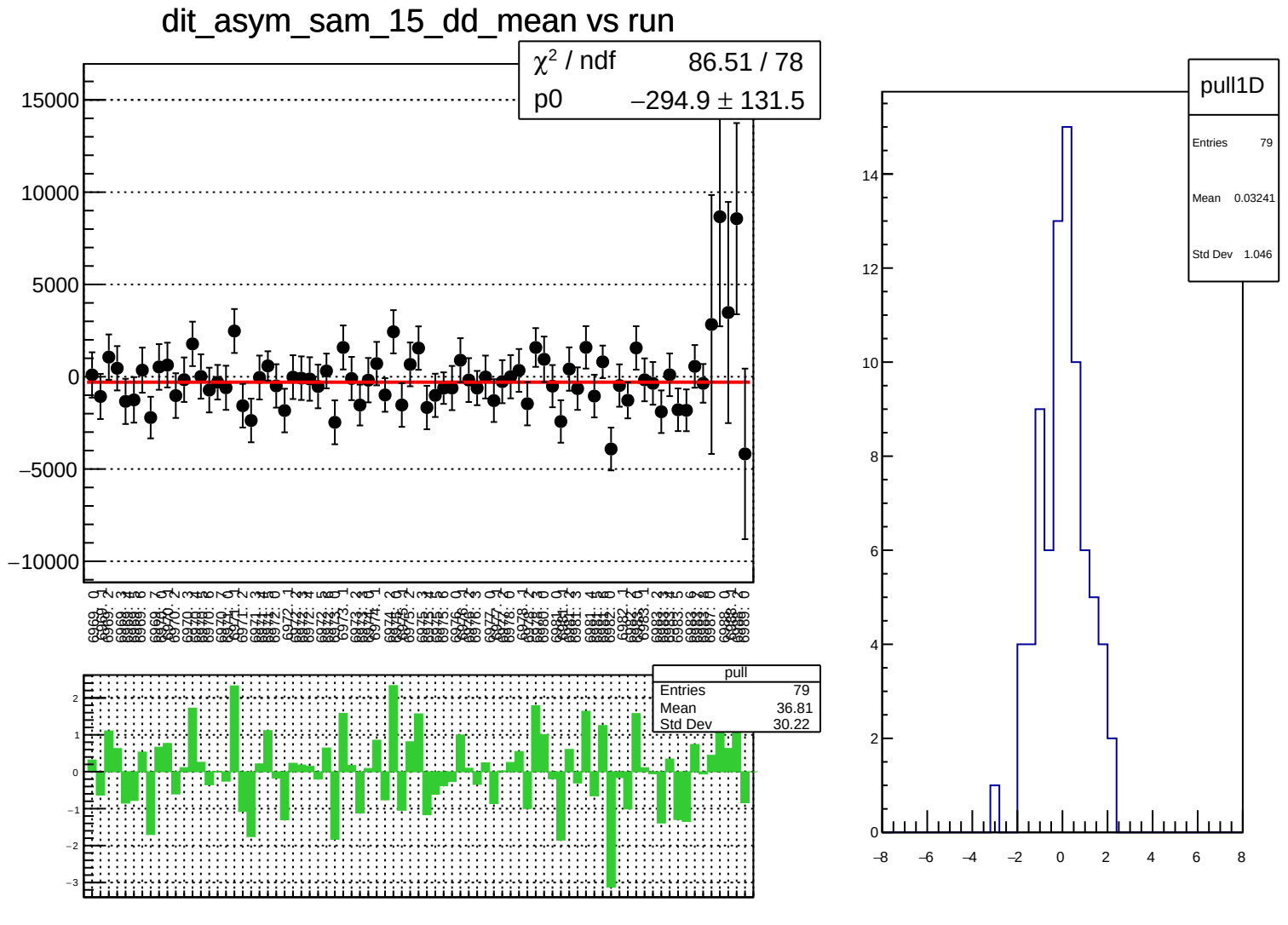

asym_sam_48_avg_correction_mean vs run
χ² / ndf 62.77 / 73
p0 −596.3 ± 1544
60000
40000
20000
0
−20000
−40000


pull1D
Entries 79
Mean 0.002731
Std Dev 0.921
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

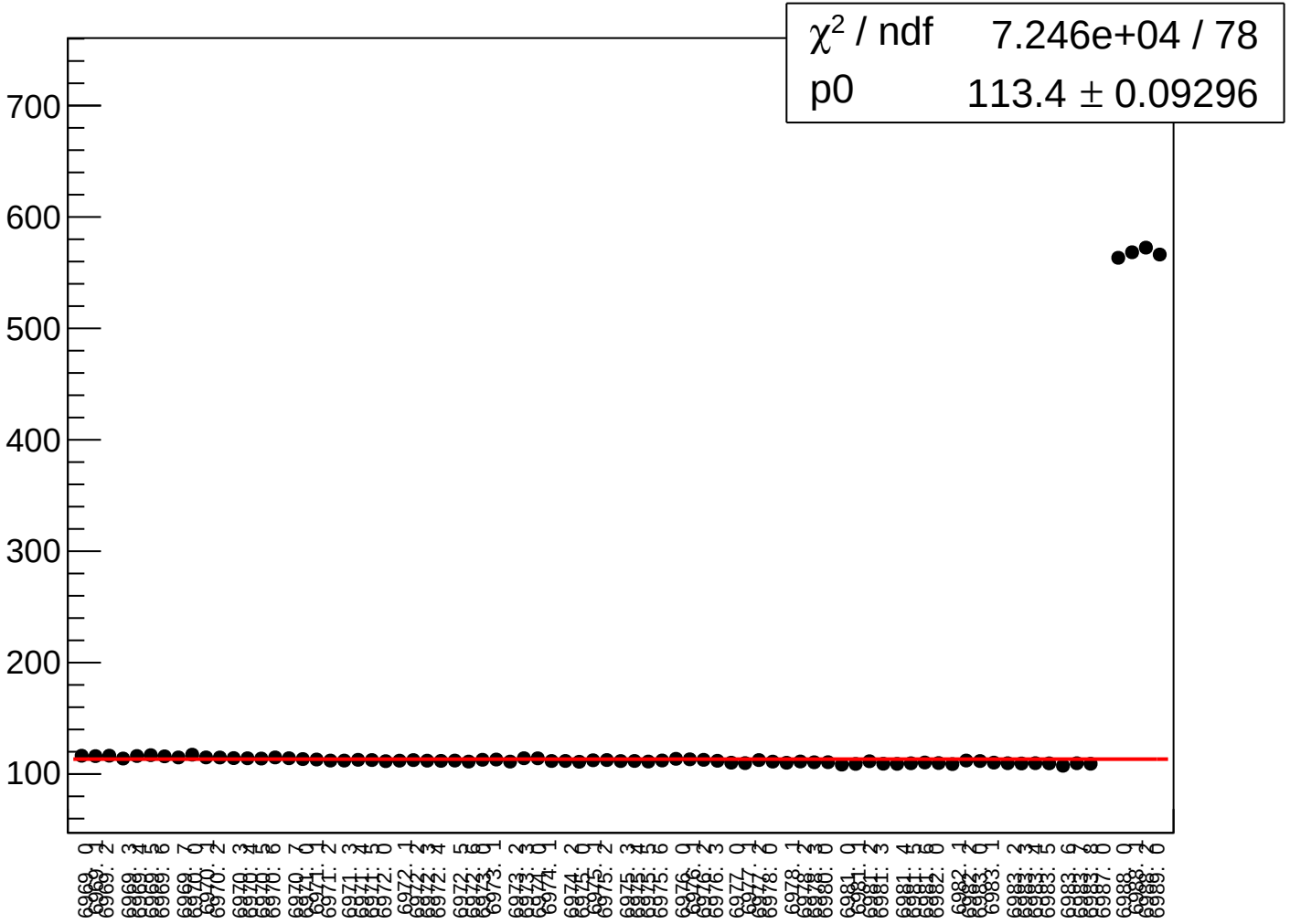

asym_sam_48_avg_correction_rms vs run
χ^2 / ndf 8305 / 73
p0 1311 ± 1.092
1800
1600
1400
1200
1000
800
600
400
200
0

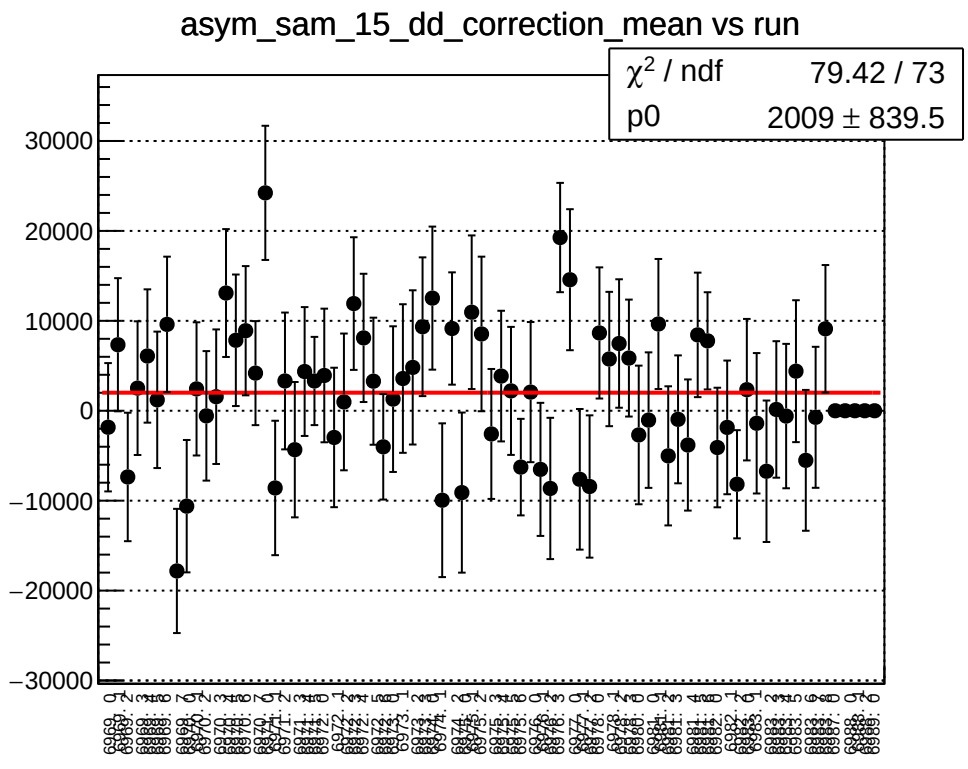

asym_sam_48_avg_mean vs run
χ² / ndf 70.52 / 78
p0 956.4 ± 1500
40000
20000
0
−20000
−40000
−60000
pull
Entries 79
Mean −1684
Std Dev 1723
2
1
0
−1
−2
−3
pull1D
Entries 79
Mean −0.002268
Std Dev 0.9448
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

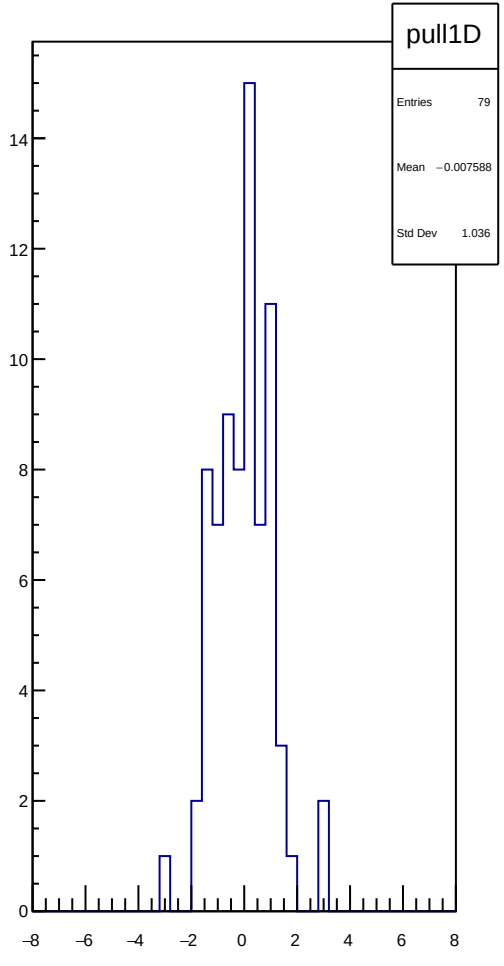

asym_sam_48_avg_rms vs run
χ² / ndf 9232 / 78
p0 1320 ± 1.06
1700
1600
1500
1400
1300
1200

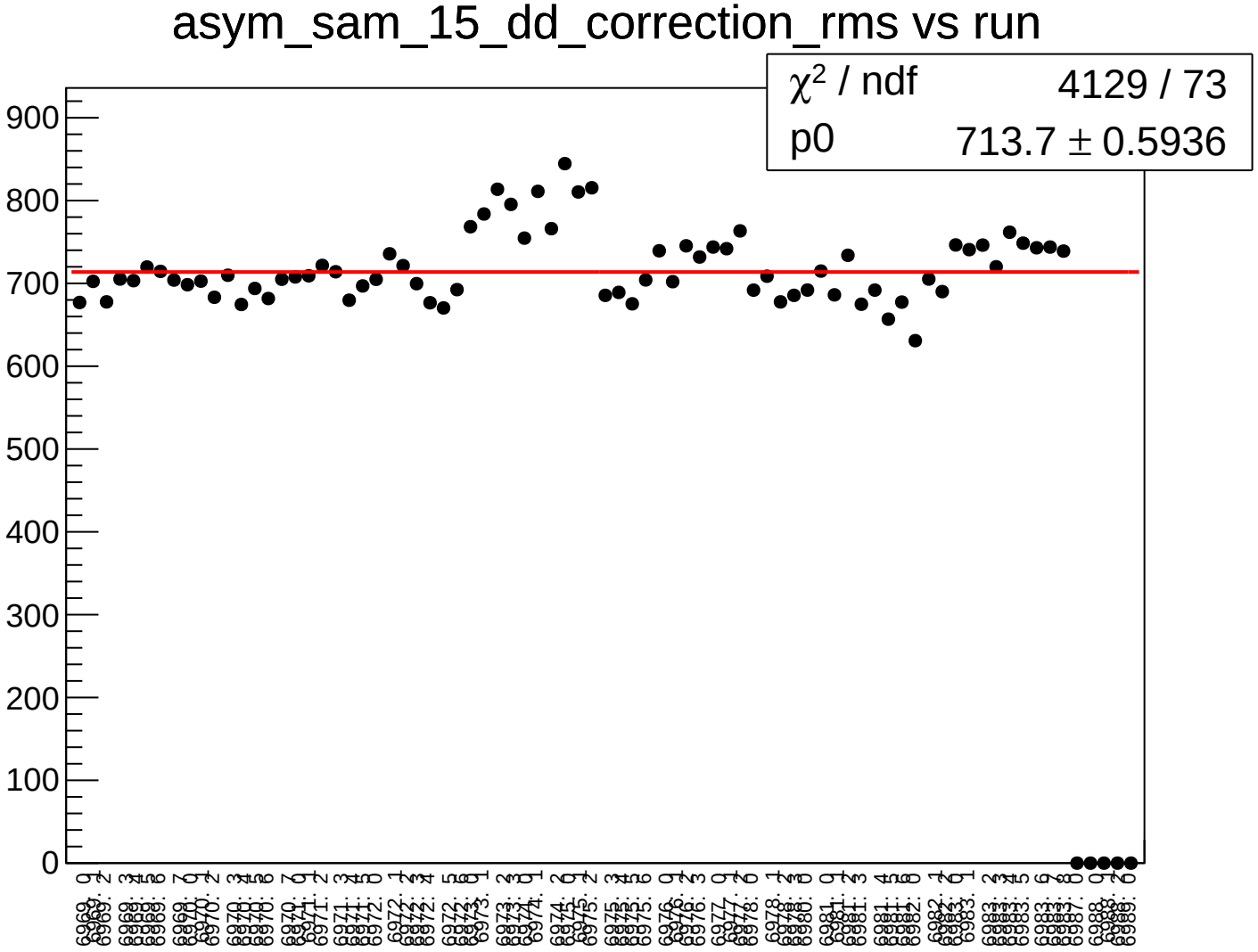

dit_asym_sam_15_dd_mean vs run
χ² / ndf 86.51 / 78
p0 −294.9 ± 131.5
15000
10000
5000
0
−5000
−10000
pull
Entries 79
Mean 36.81
Std Dev 30.22
2
1
0
−1
−2
−3
pull1D
Entries 79
Mean 0.03241
Std Dev 1.046
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

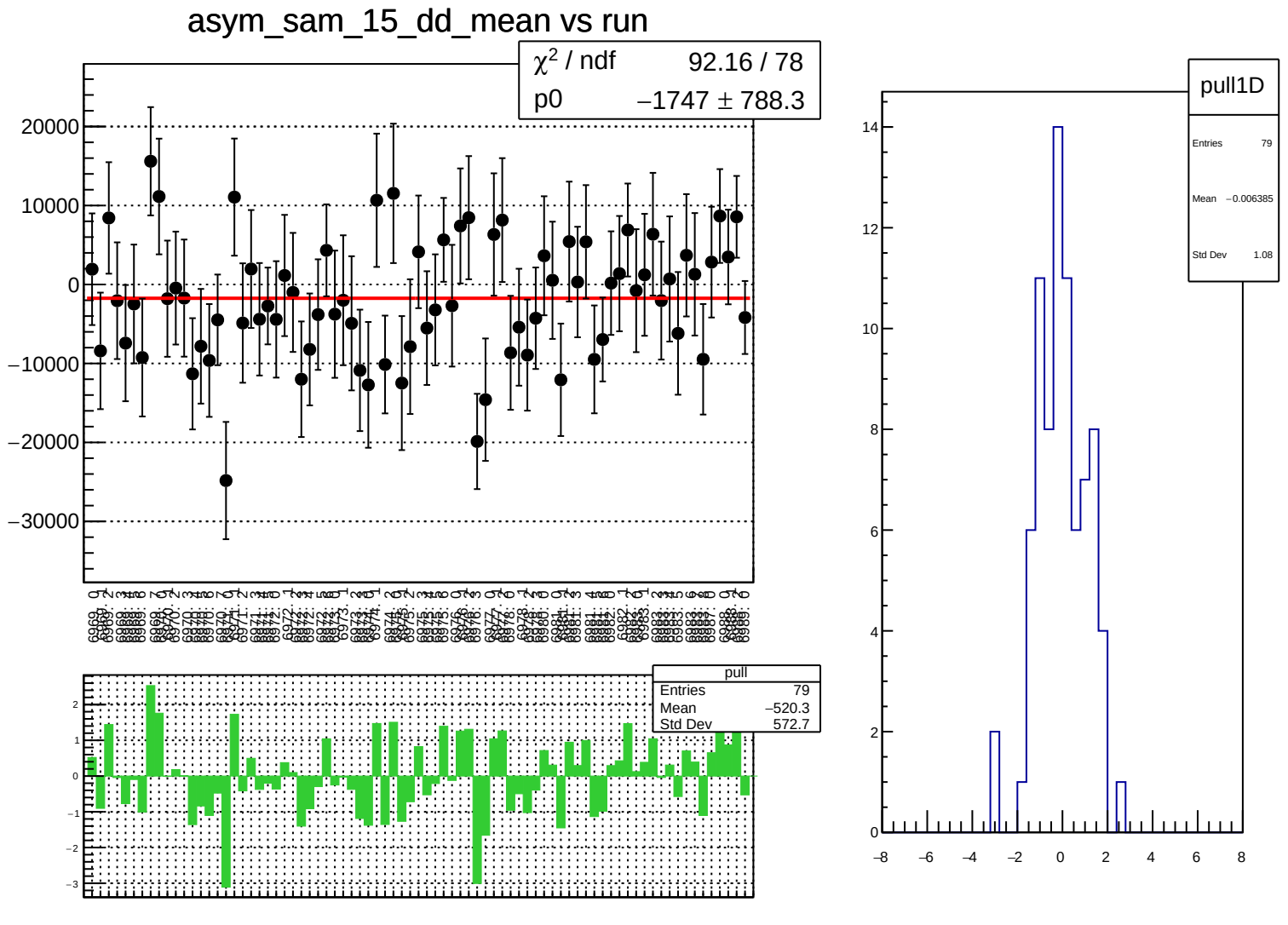
dit_asym_sam_15_dd_rms vs run

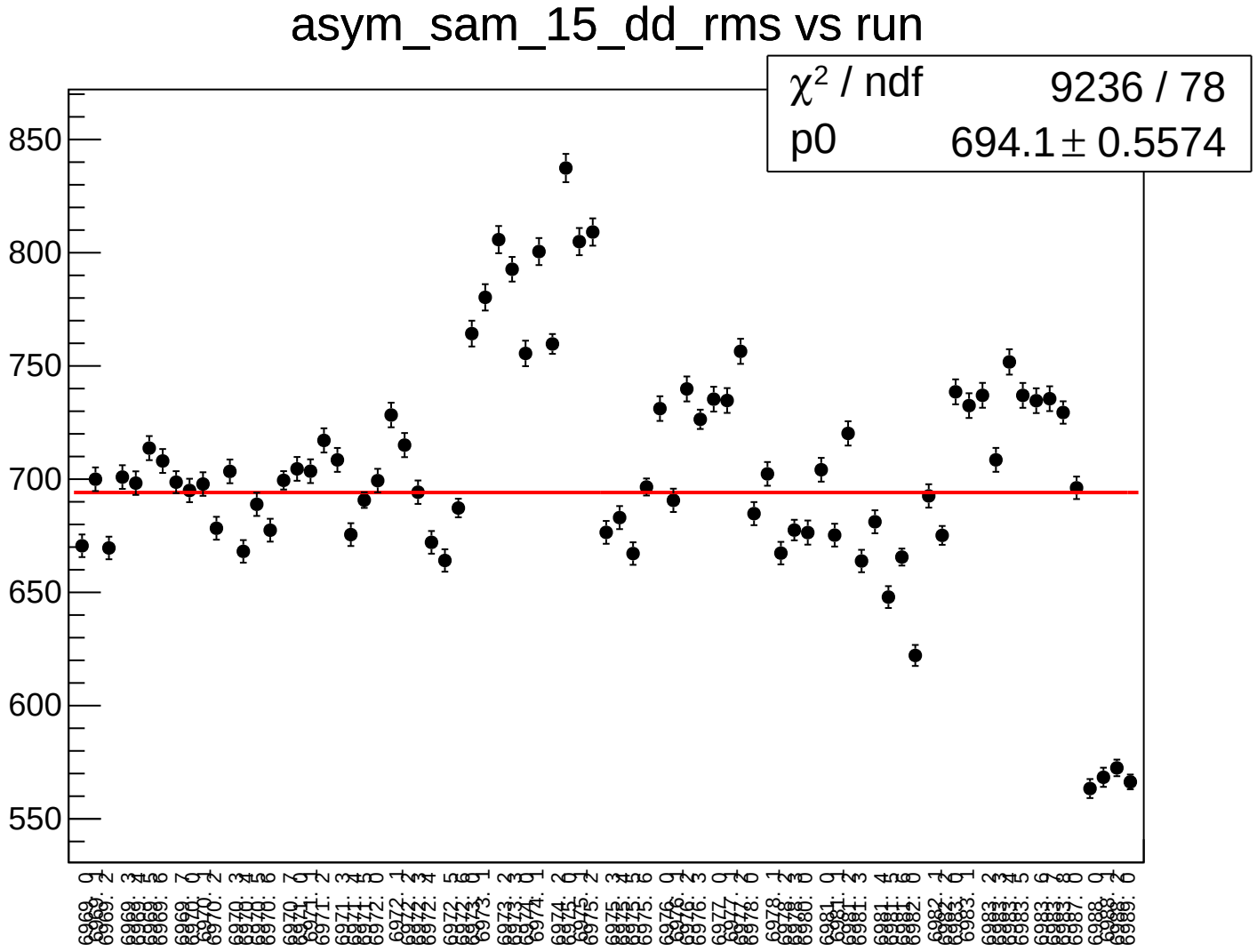


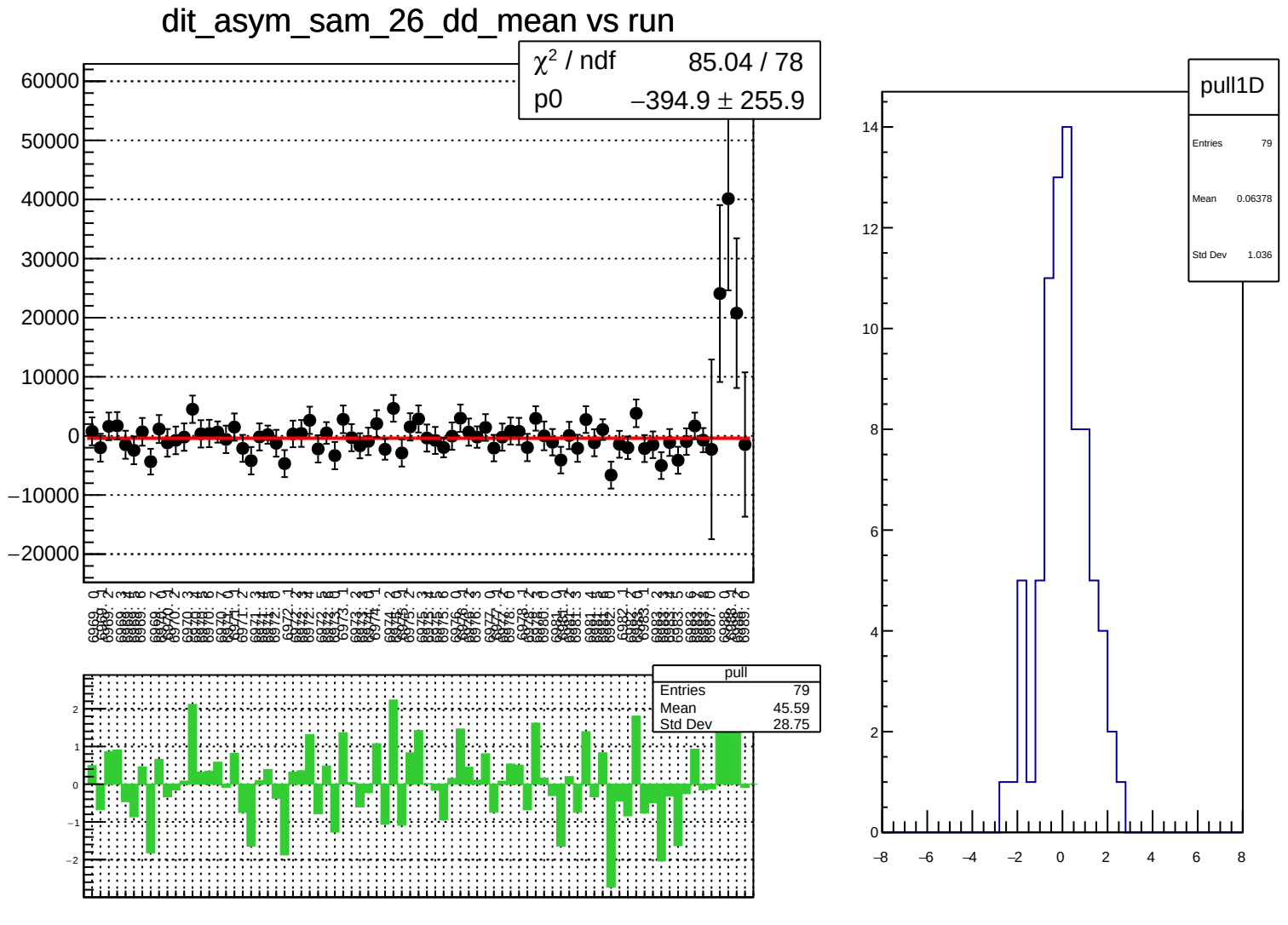

asym_sam_15_dd_correction_mean vs run
χ^2 / ndf 79.42 / 73
p0 2009 ± 839.5
30000
20000
10000
0
−10000
−20000
−30000


pull1D
Entries 79
Mean −0.007588
Std Dev 1.036
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

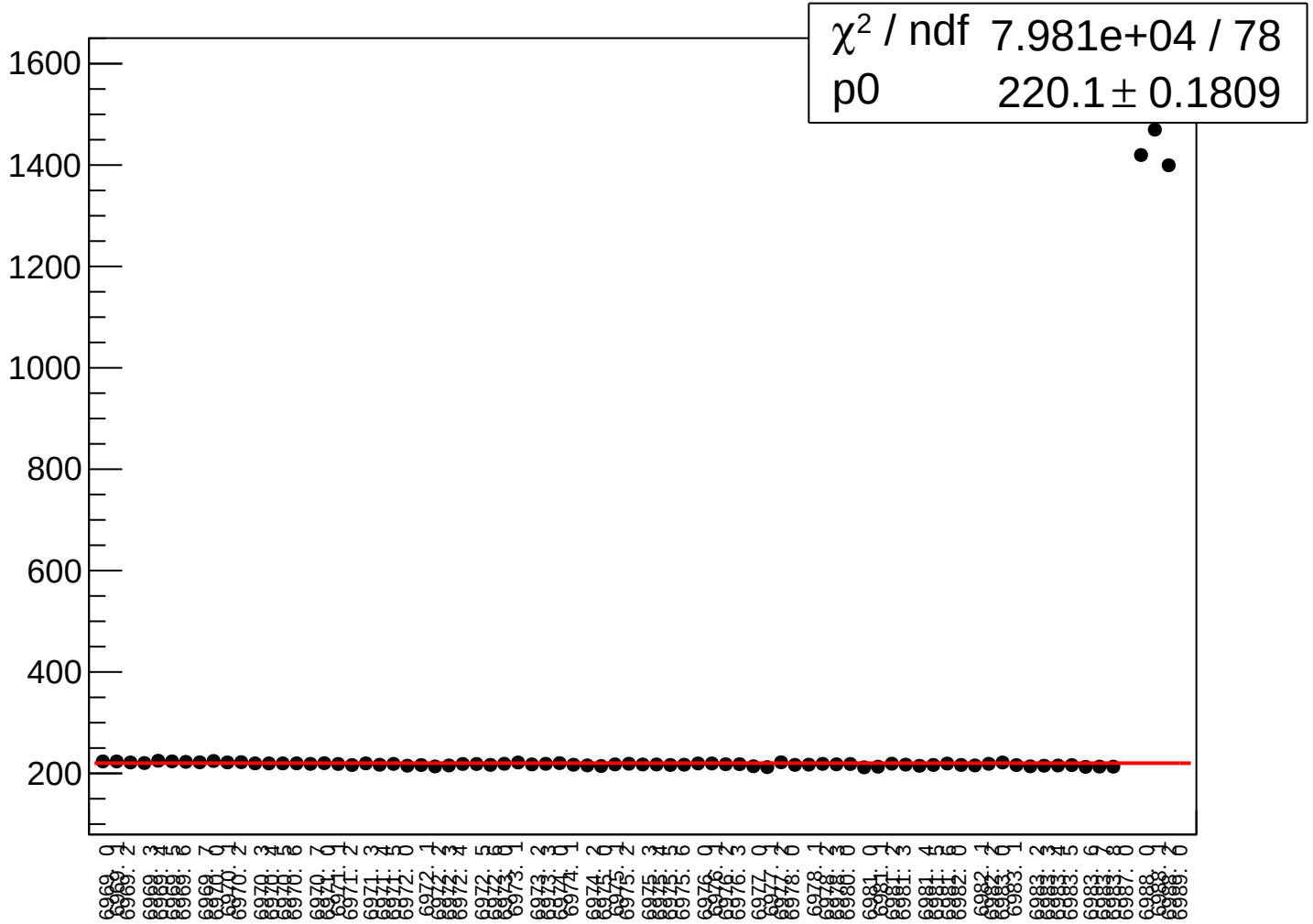

asym_sam_15_dd_correction_rms vs run
χ^2 / ndf 4129 / 73
p0 713.7 ± 0.5936
900
800
700
600
500
400
300
200
100
0

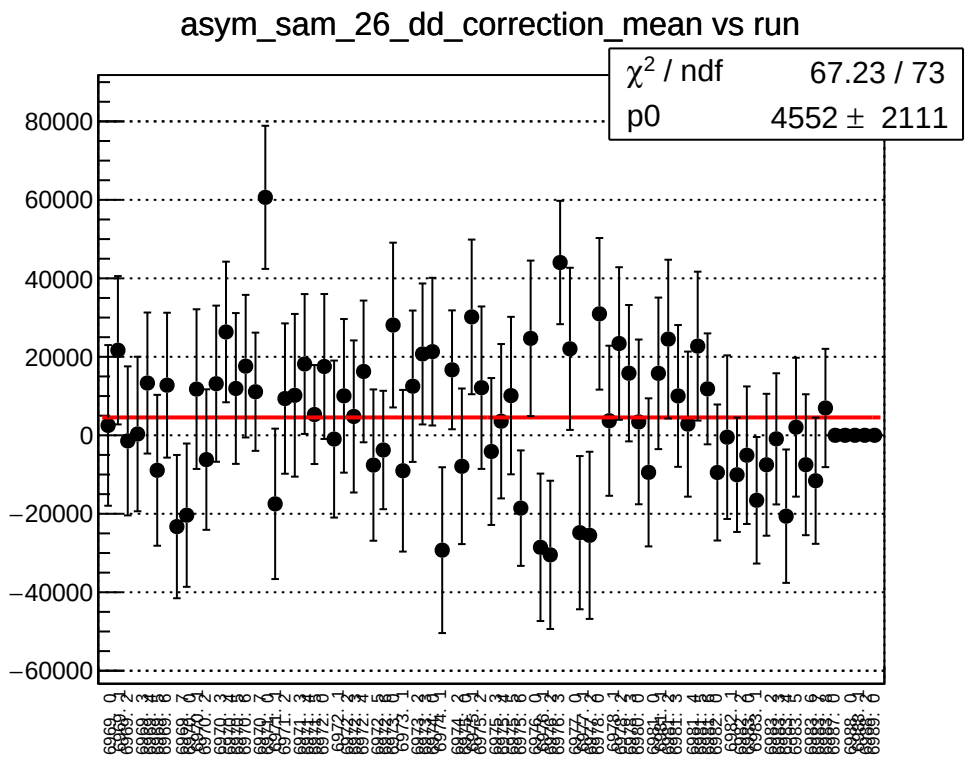

asym_sam_15_dd_mean vs run
χ² / ndf 92.16 / 78
p0 −1747 ± 788.3
pull
Entries 79
Mean −520.3
Std Dev 572.7
pull1D
Entries 79
Mean −0.006385
Std Dev 1.08

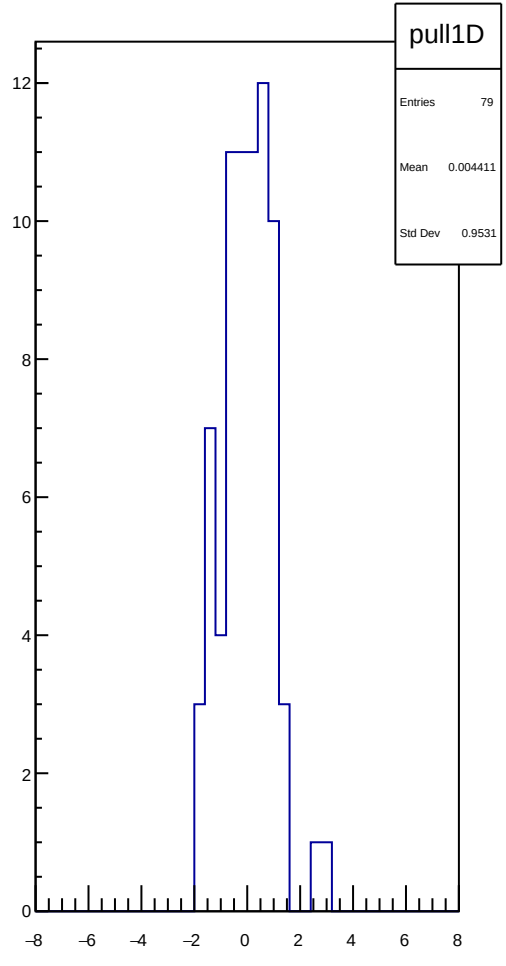

asym_sam_15_dd_rms vs run
χ^2 / ndf 9236 / 78
p0 694.1 ± 0.5574
850
800
750
700
650
600
550

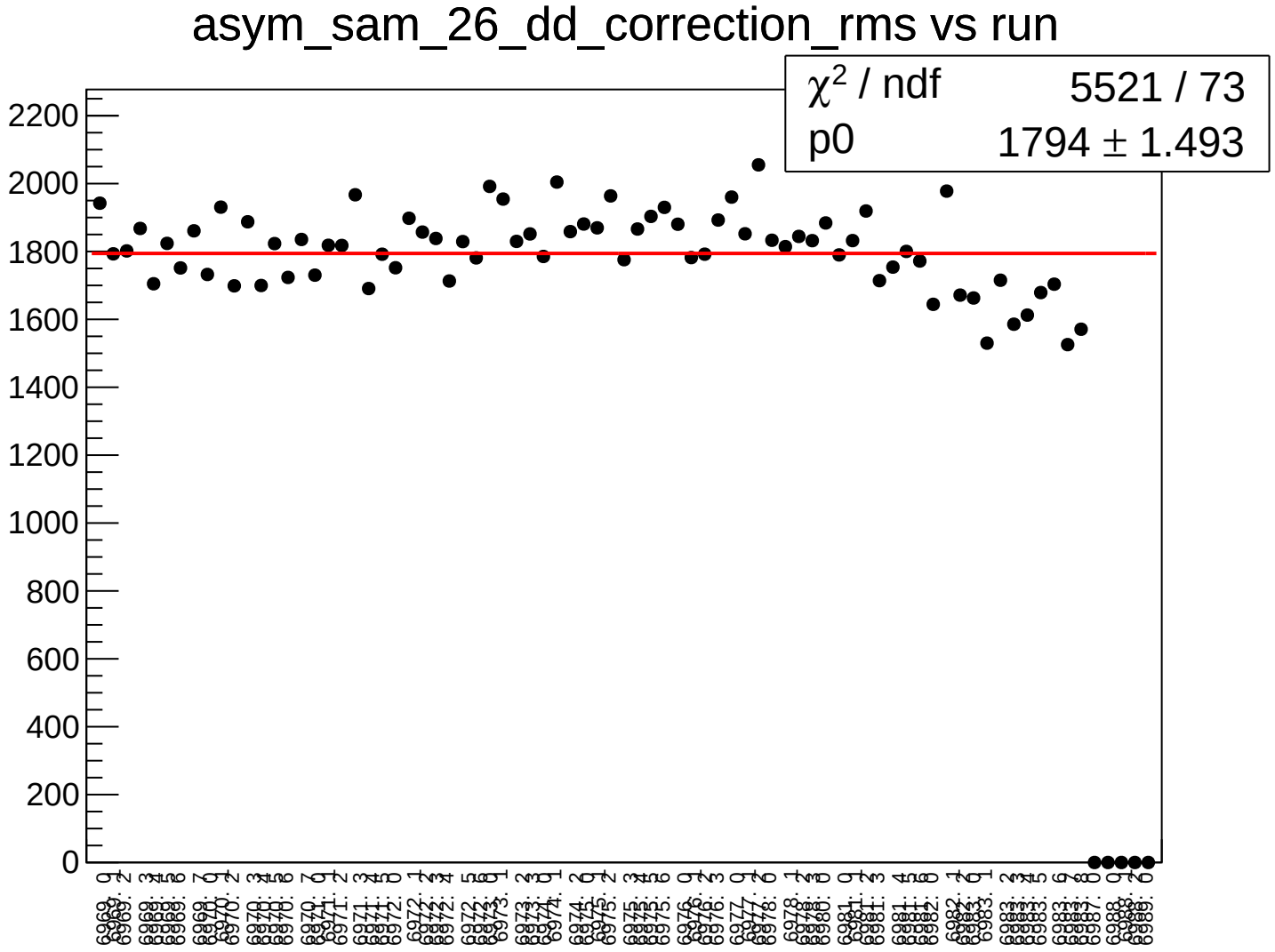

dit_asym_sam_26_dd_mean vs run
χ² / ndf 85.04 / 78
p0 −394.9 ± 255.9
pull
Entries 79
Mean 45.59
Std Dev 28.75
pull1D
Entries 79
Mean 0.06378
Std Dev 1.036

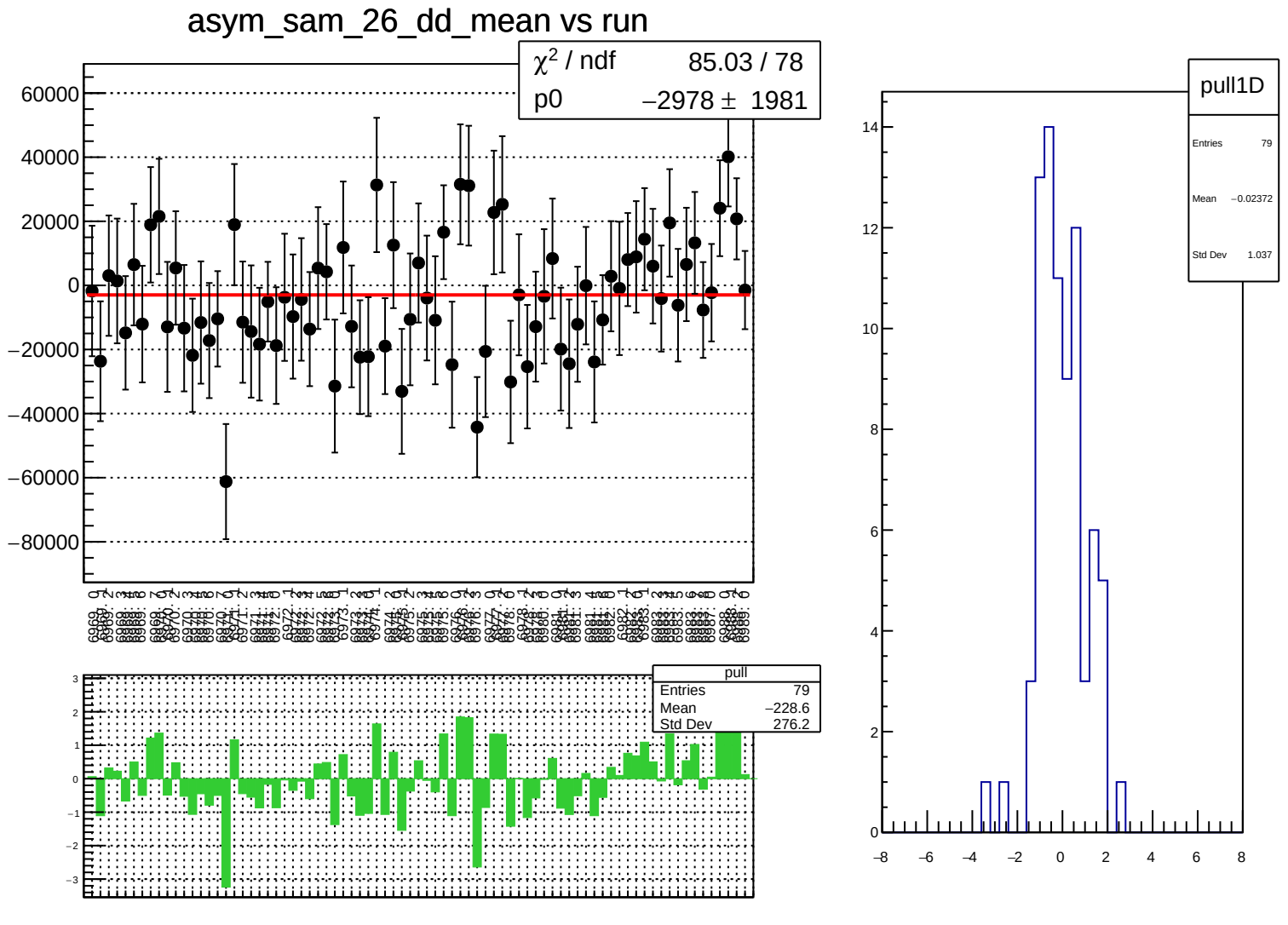
dit_asym_sam_26_dd_rms vs run

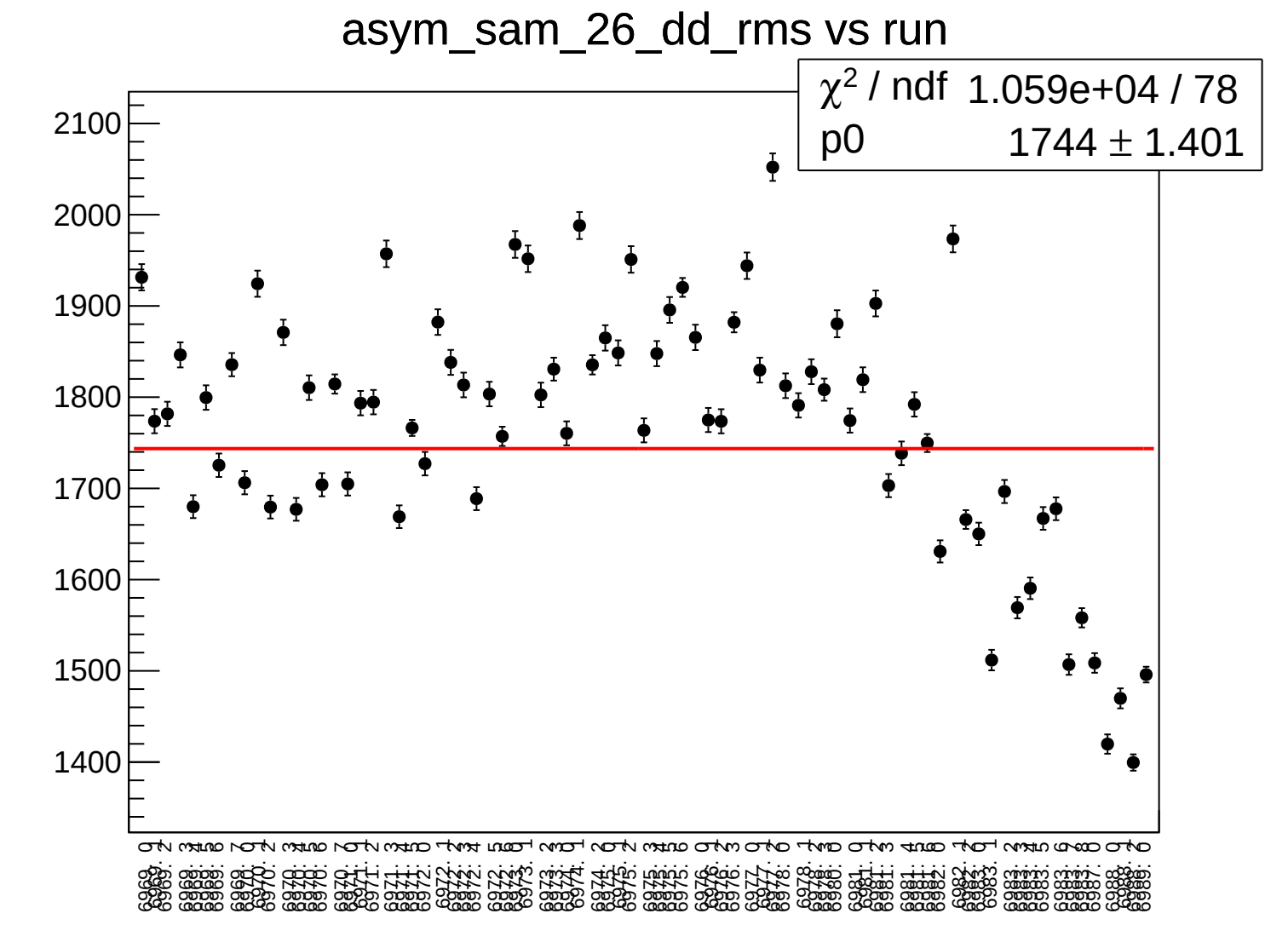


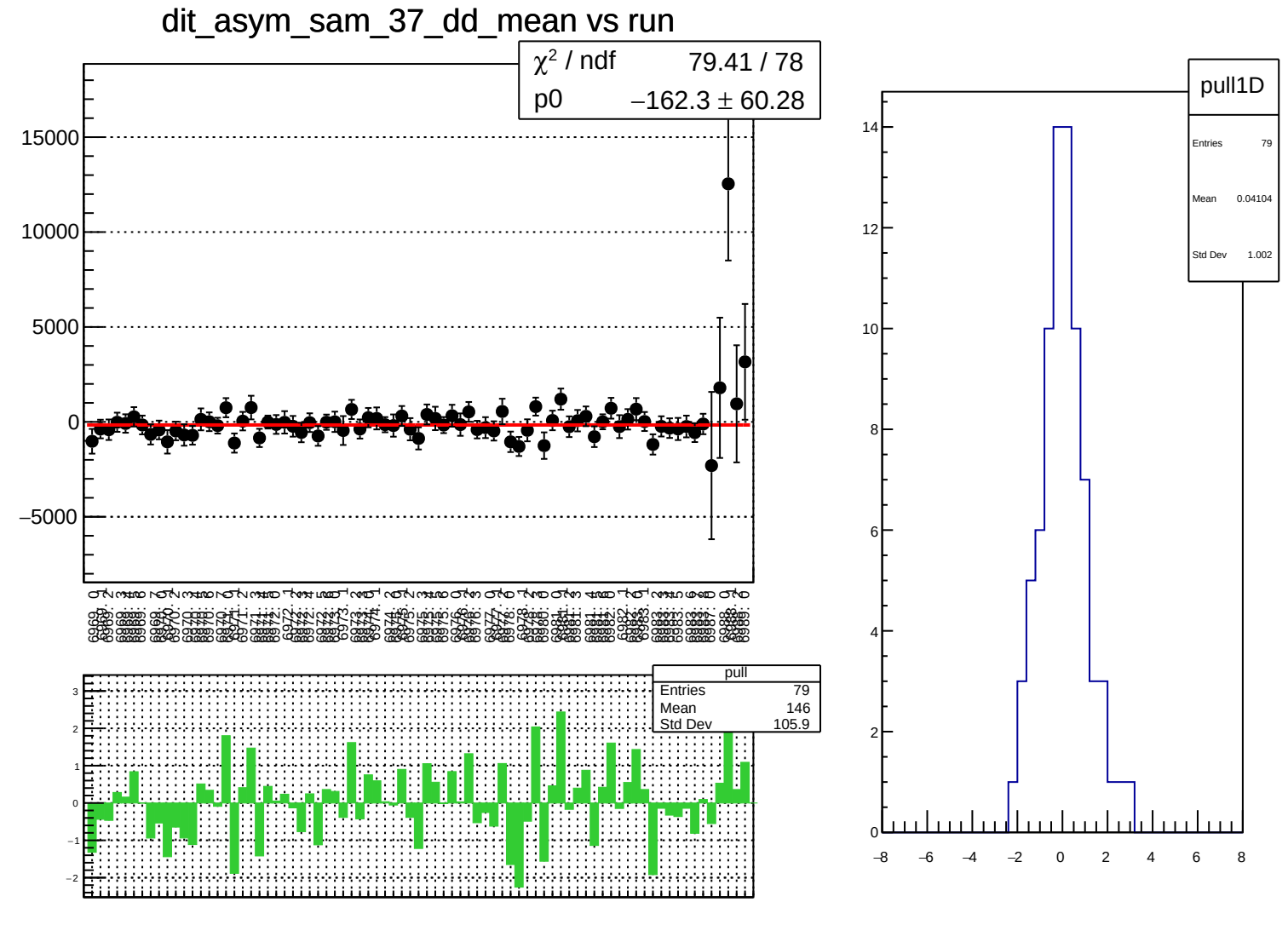

asym_sam_26_dd_correction_mean vs run
χ2 / ndf 67.23 / 73
p0 4552 ± 2111
80000
60000
40000
20000
0
−20000
−40000
−60000


pull1D
Entries 79
Mean 0.004411
Std Dev 0.9531
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

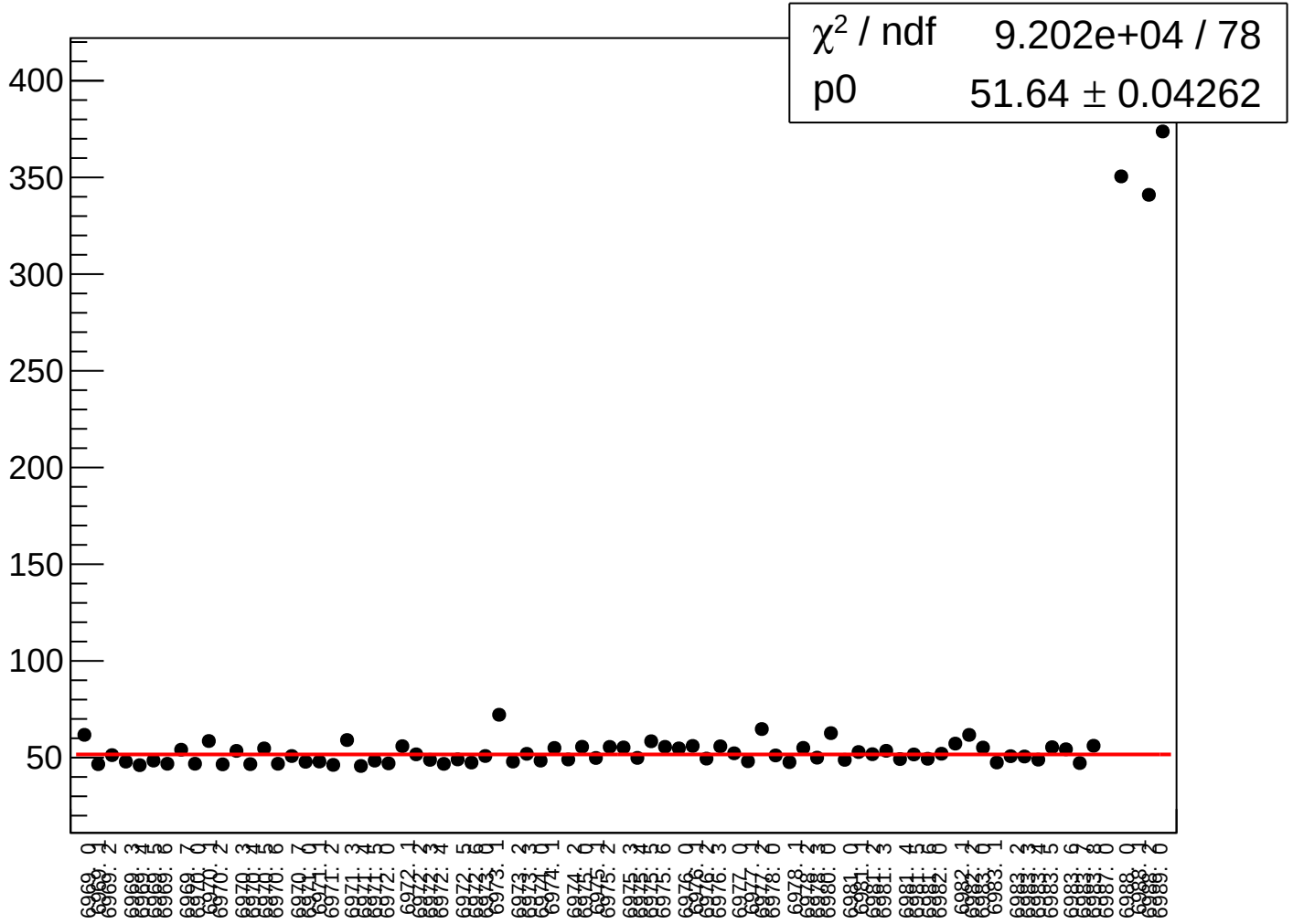

asym_sam_26_dd_correction_rms vs run
χ^2 / ndf 5521 / 73
p0 1794 ± 1.493
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0

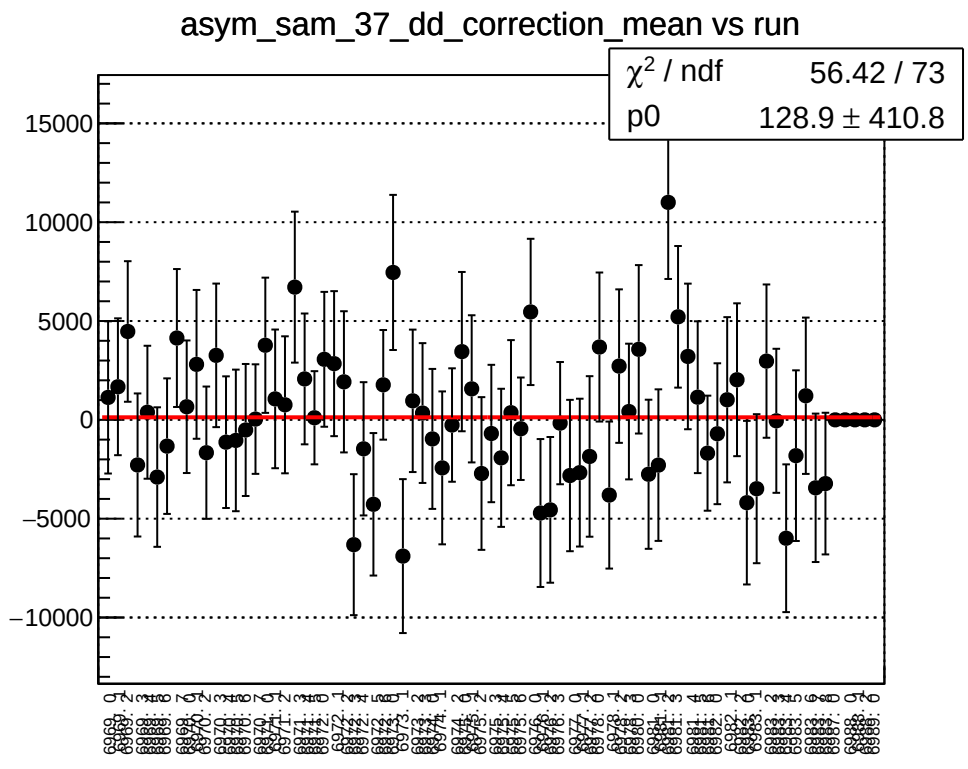

asym_sam_26_dd_mean vs run
χ² / ndf 85.03 / 78
p0 −2978 ± 1981
pull
Entries 79
Mean −228.6
Std Dev 276.2
pull1D
Entries 79
Mean −0.02372
Std Dev 1.037

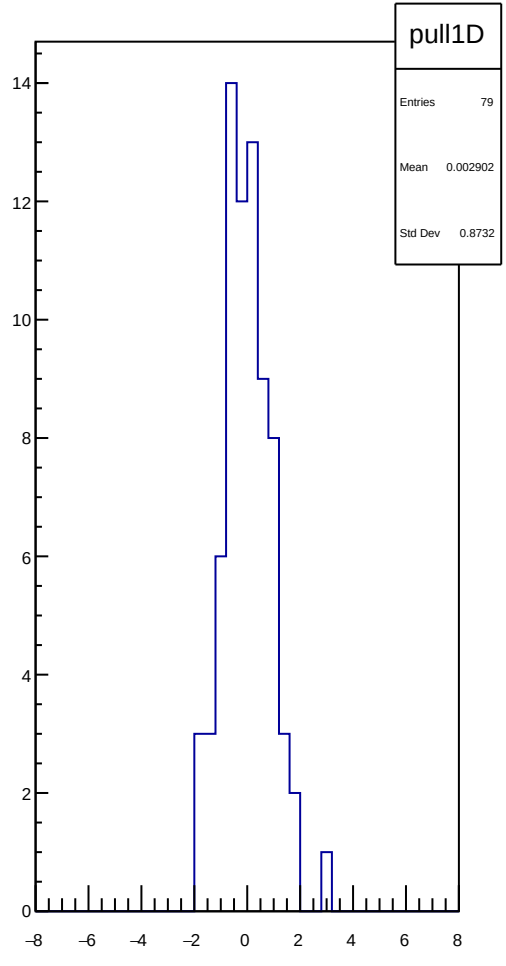

asym_sam_26_dd_rms vs run
χ^2 / ndf 1.059e+04 / 78
p0 1744 ± 1.401
2100
2000
1900
1800
1700
1600
1500
1400

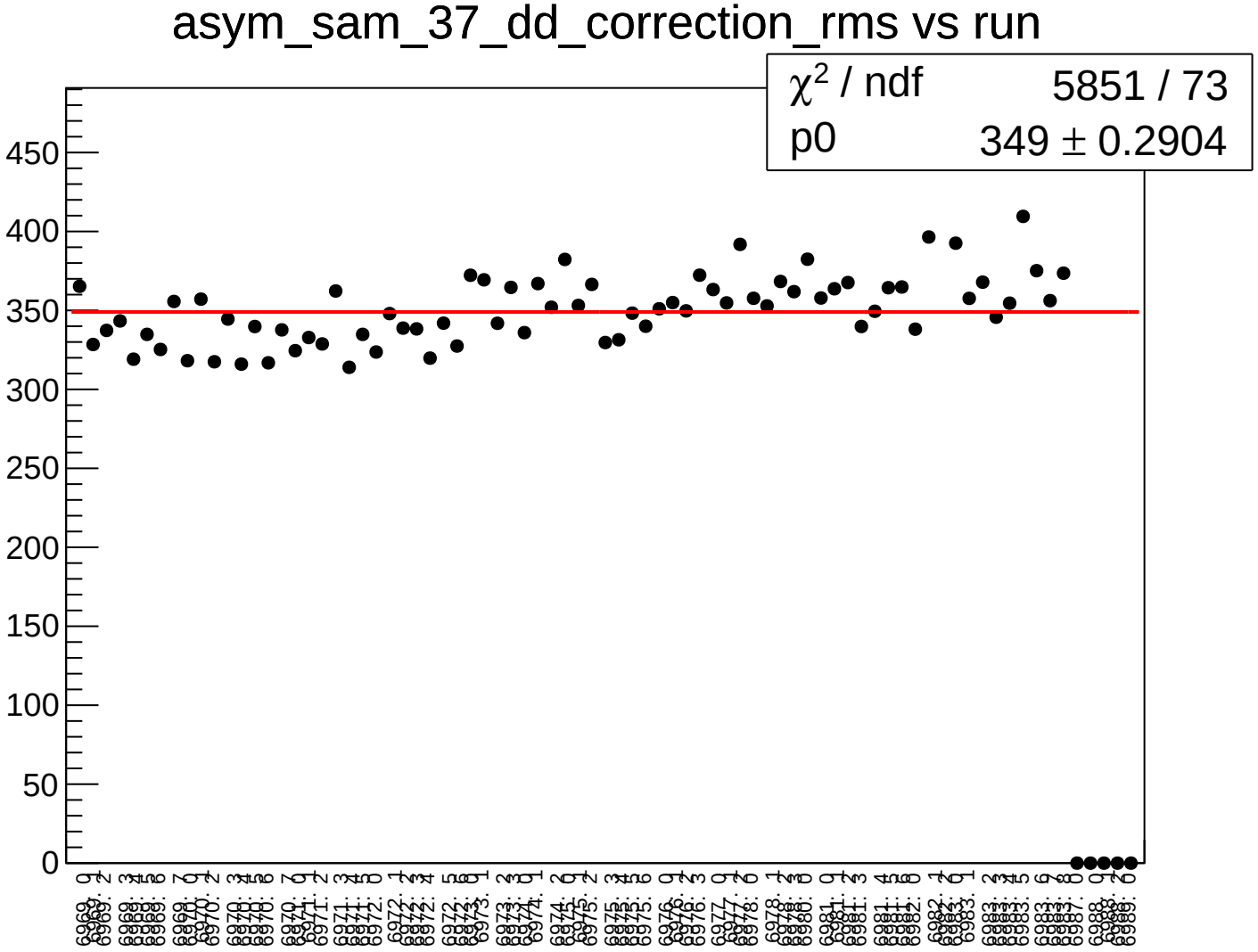

dit_asym_sam_37_dd_mean vs run
χ² / ndf 79.41 / 78
p0 −162.3 ± 60.28
15000
10000
5000
0
−5000
pull
Entries 79
Mean 146
Std Dev 105.9
3
2
1
0
−1
−2
pull1D
Entries 79
Mean 0.04104
Std Dev 1.002
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

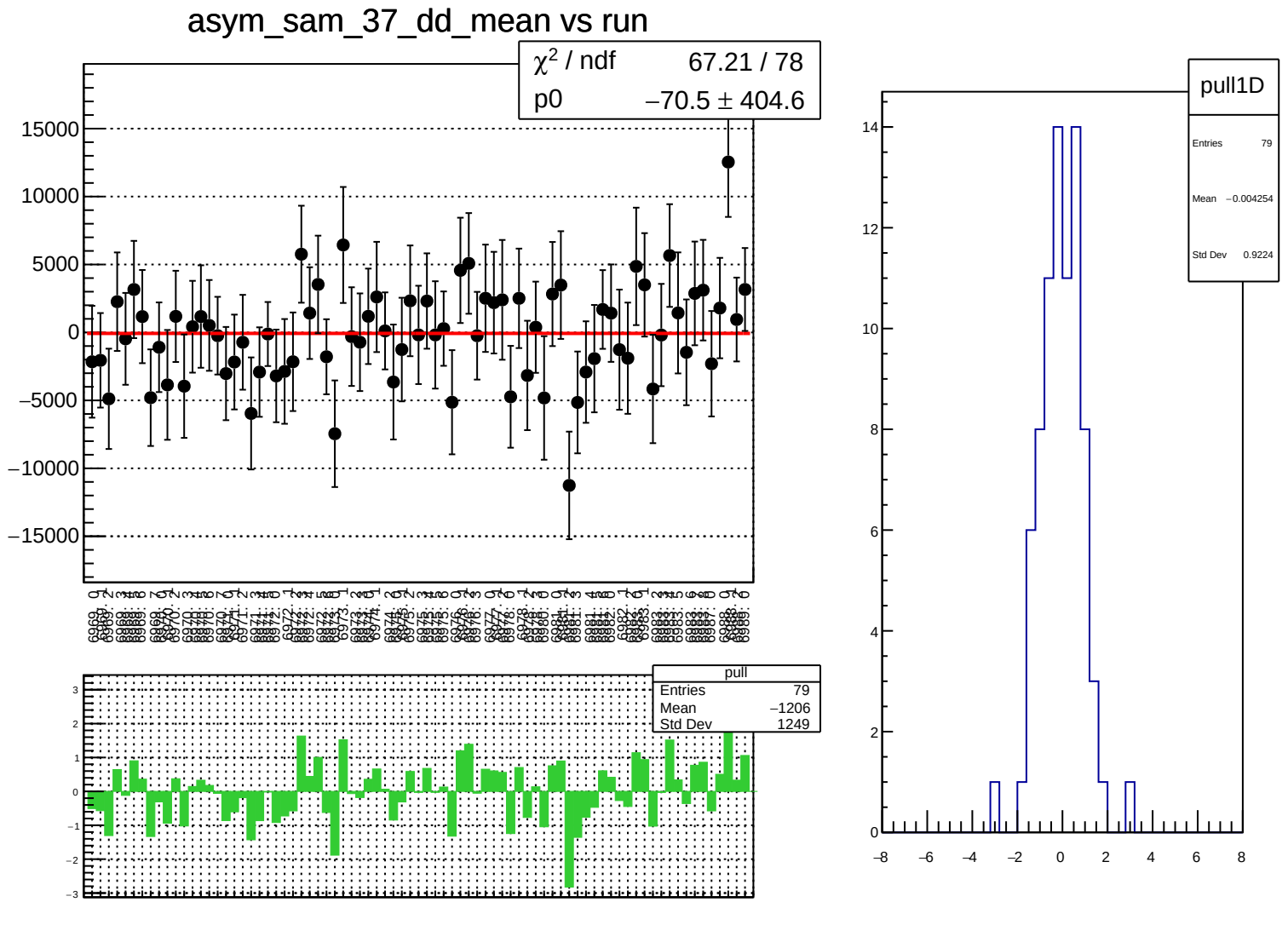
dit_asym_sam_37_dd_rms vs run



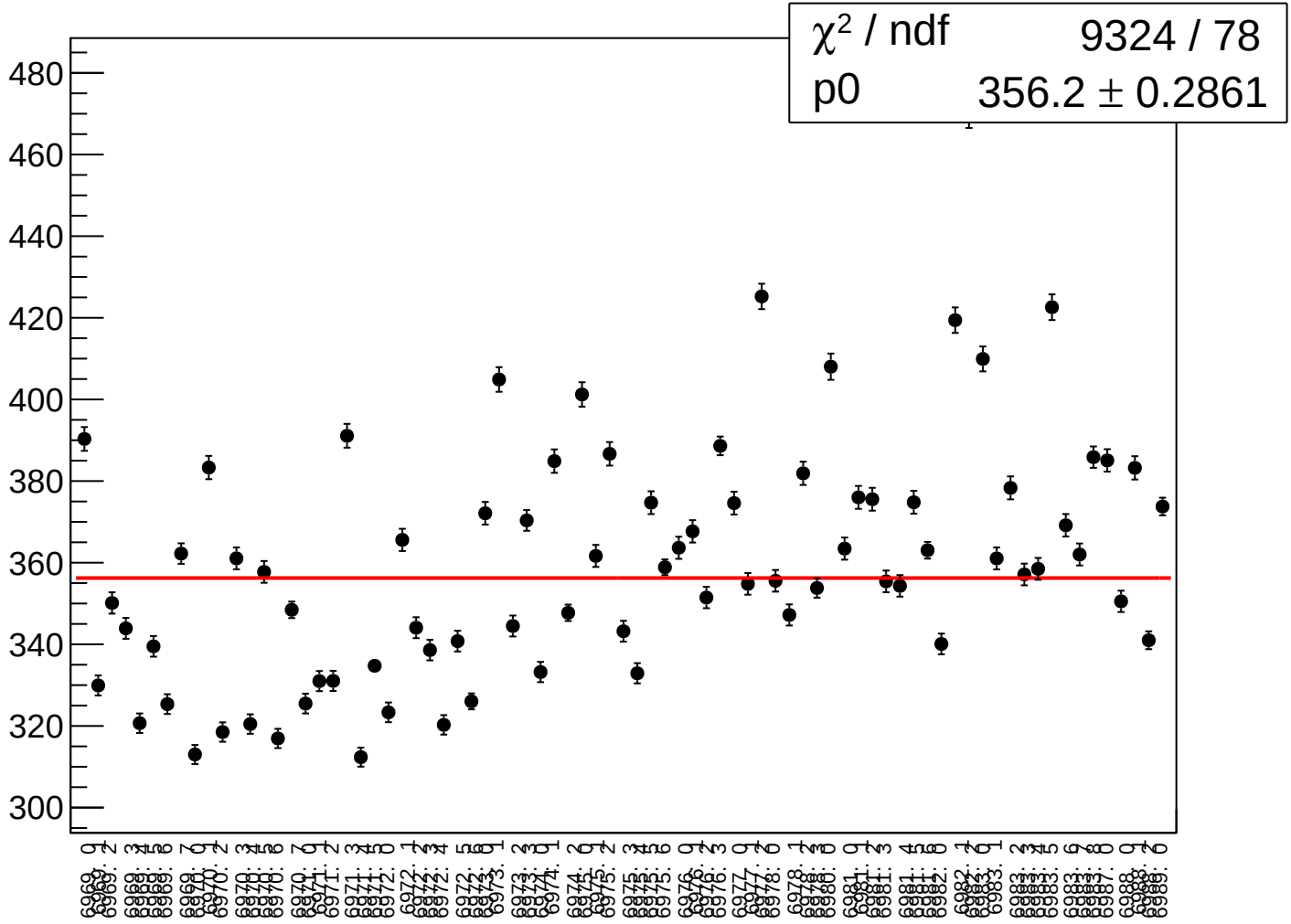

asym_sam_37_dd_correction_mean vs run
χ² / ndf 56.42 / 73
p0 128.9 ± 410.8
15000
10000
5000
0
−5000
−10000

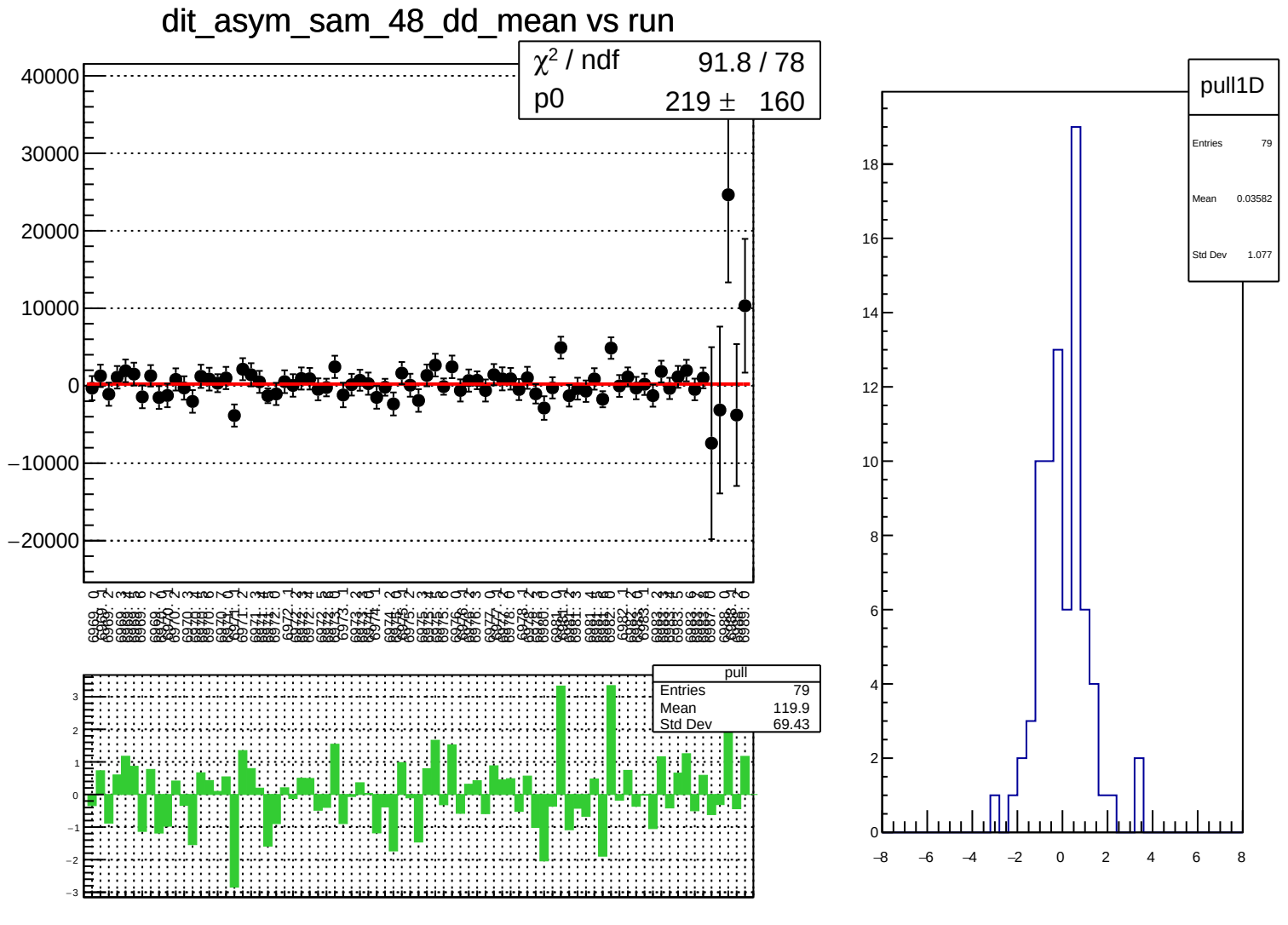

pull1D
Entries 79
Mean 0.002902
Std Dev 0.8732
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_dd_correction_rms vs run
χ2 / ndf 5851 / 73
p0 349 ± 0.2904
450
400
350
300
250
200
150
100
50
0

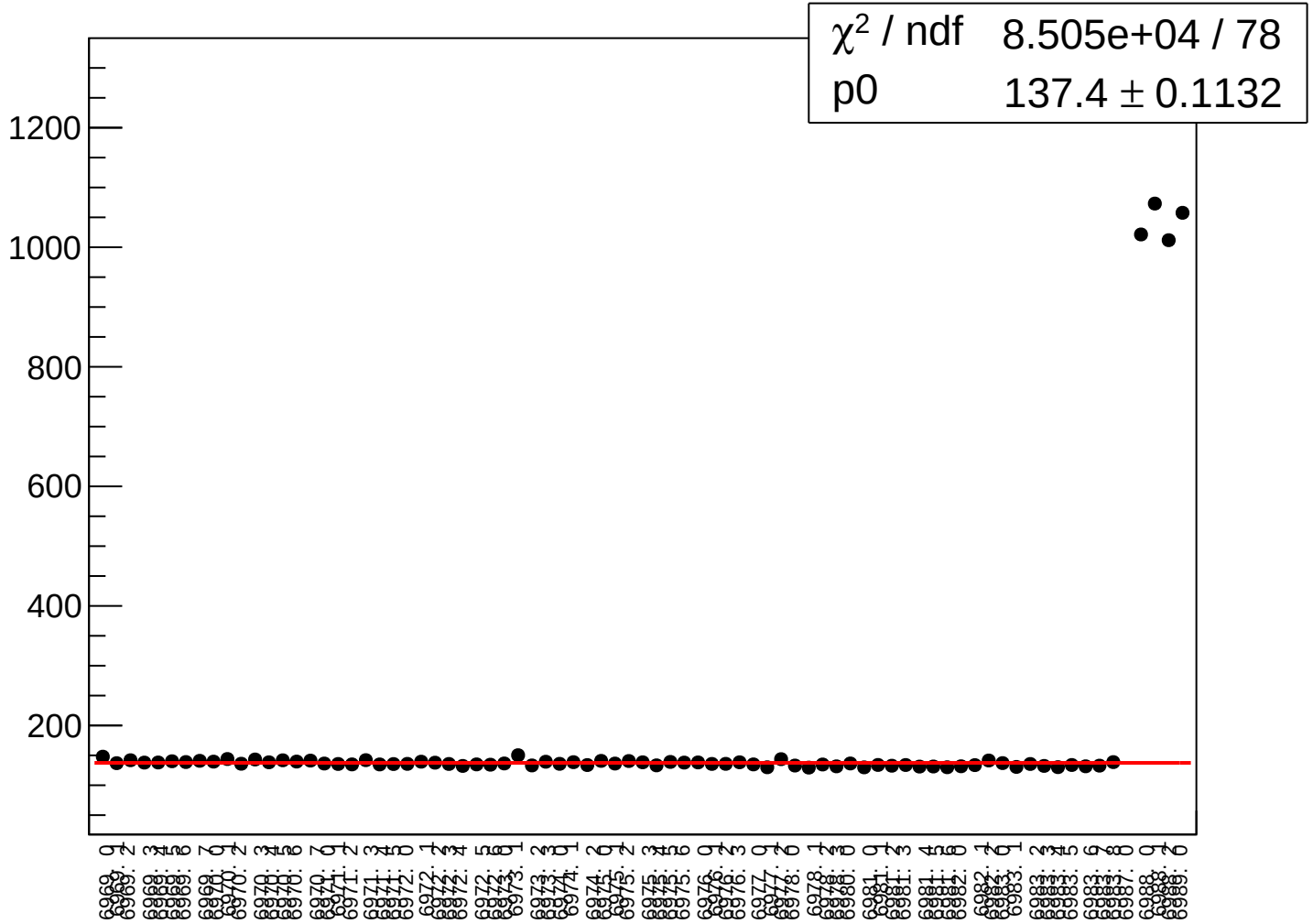

asym_sam_37_dd_mean vs run
χ² / ndf 67.21 / 78
p0 −70.5 ± 404.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 79
Mean −1206
Std Dev 1249
3
2
1
0
−1
−2
−3
pull1D
Entries 79
Mean −0.004254
Std Dev 0.9224
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

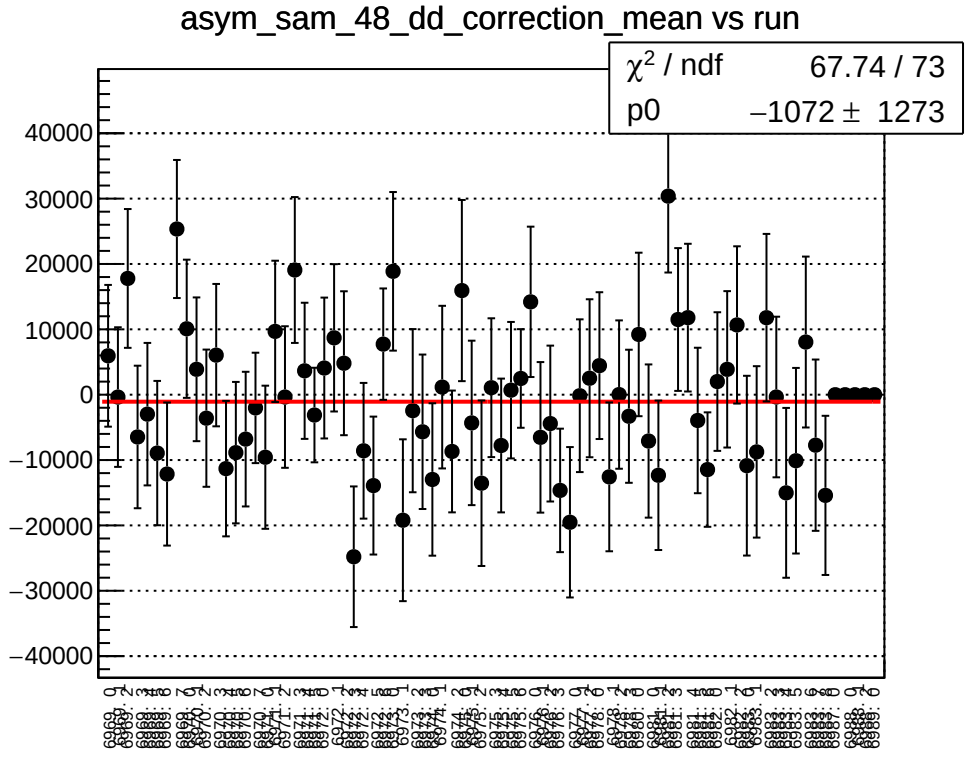
asym_sam_37_dd_rms vs run

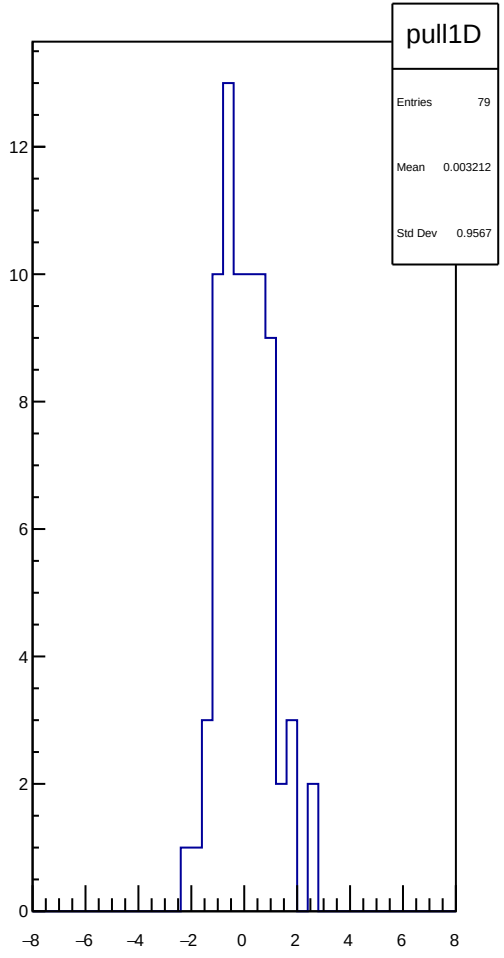


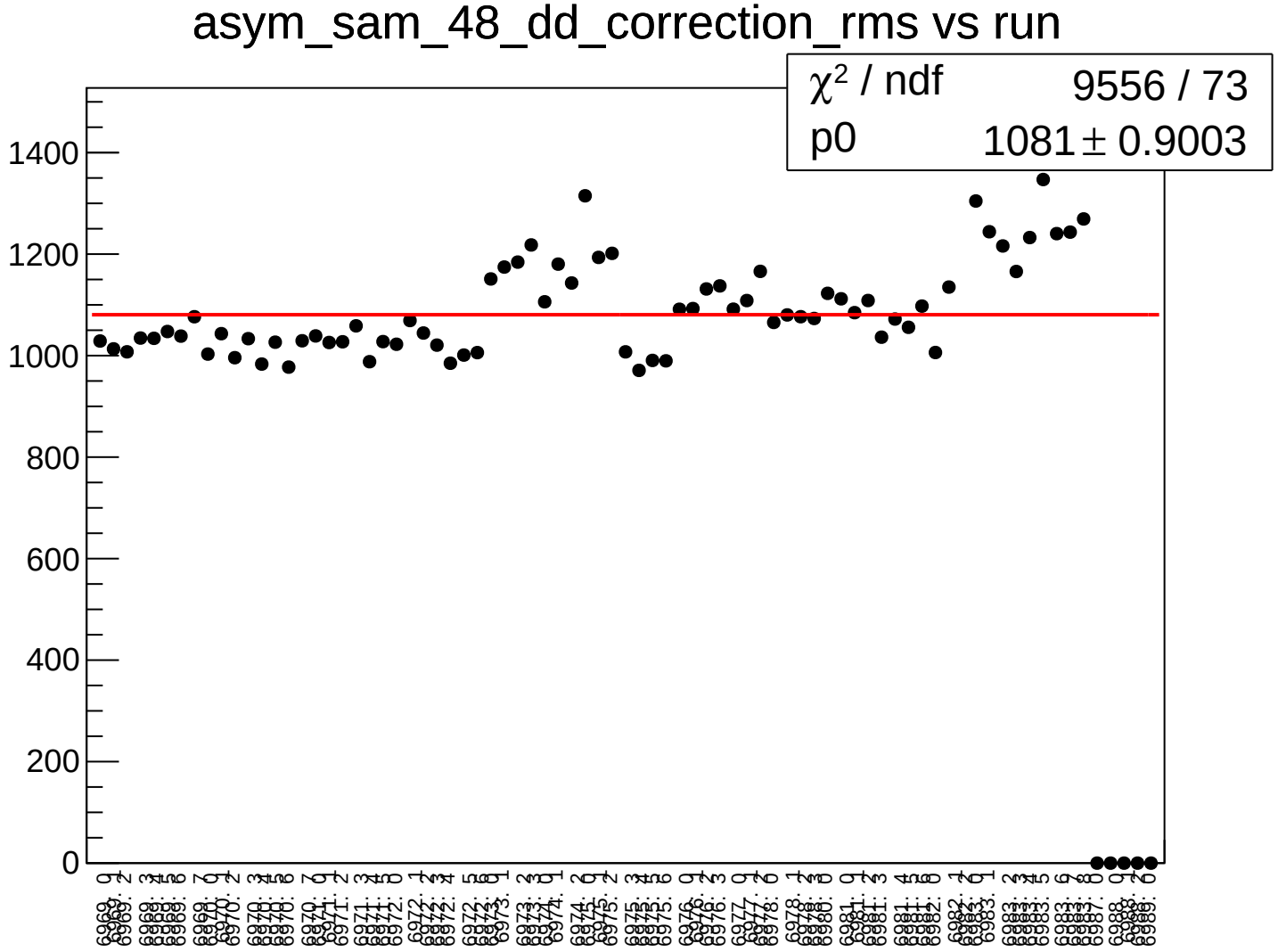

dit_asym_sam_48_dd_mean vs run
χ² / ndf 91.8 / 78
p0 219 ± 160
pull
Entries 79
Mean 119.9
Std Dev 69.43
pull1D
Entries 79
Mean 0.03582
Std Dev 1.077

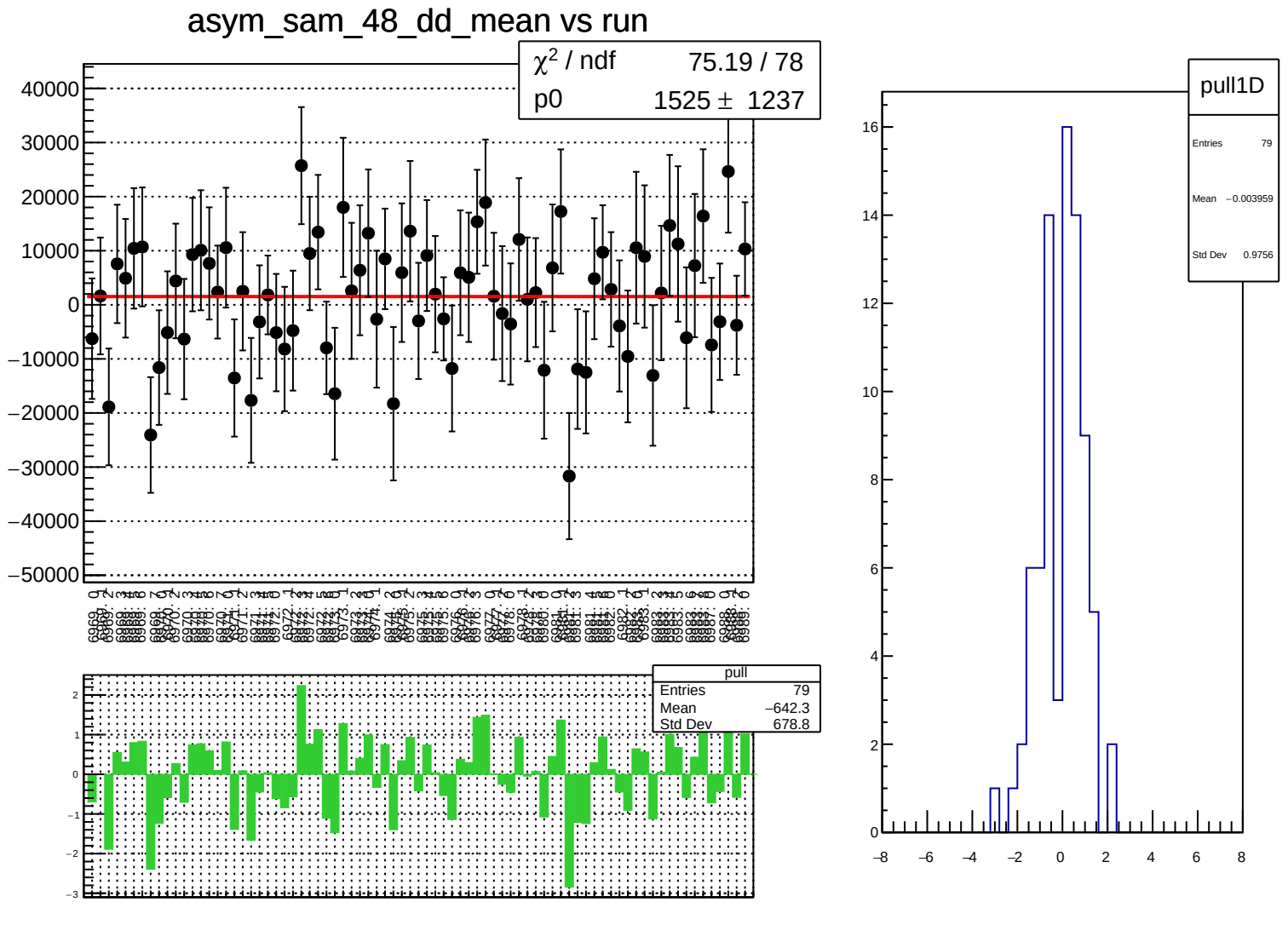
dit_asym_sam_48_dd_rms vs run



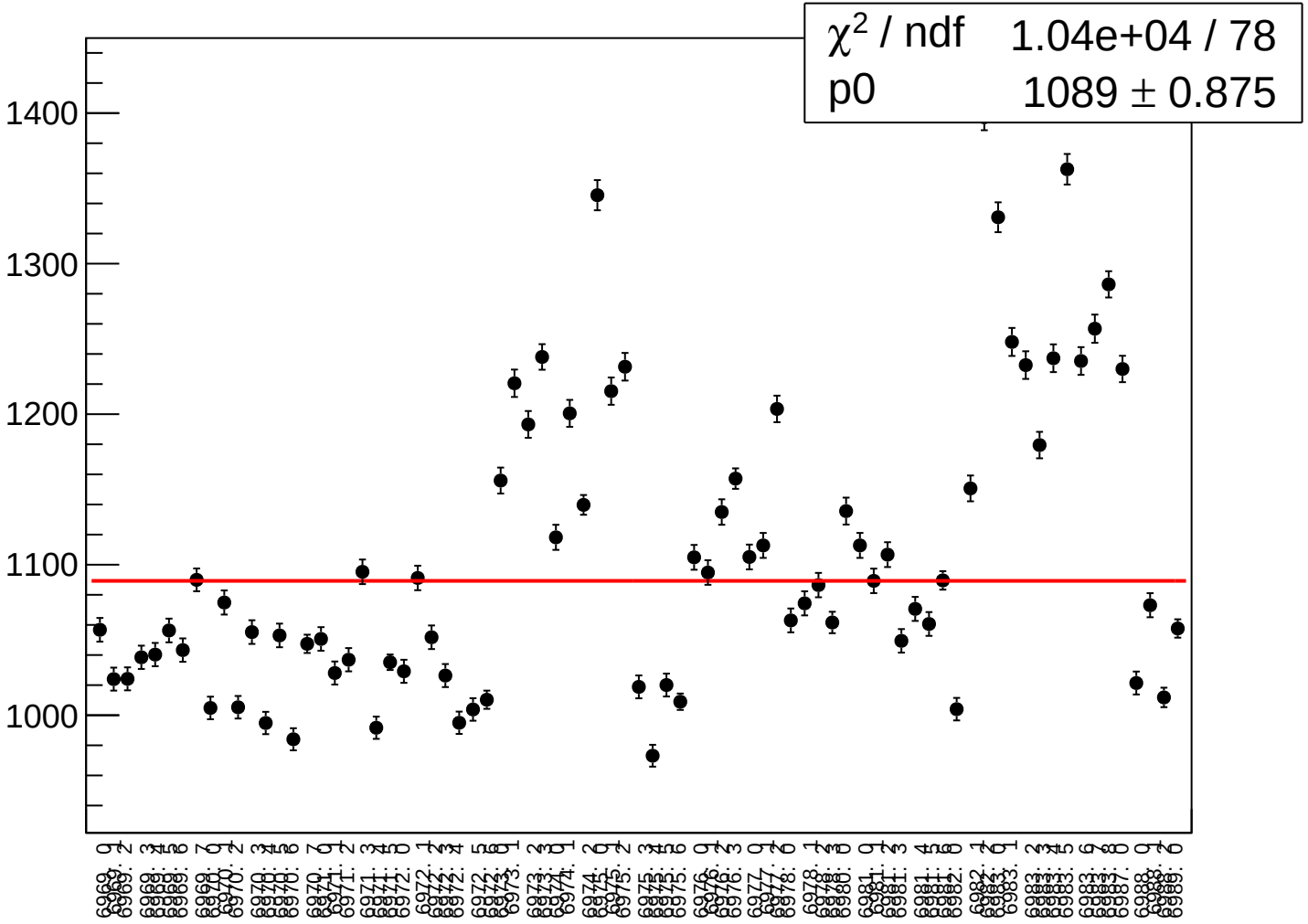

asym_sam_48_dd_correction_mean vs run
χ^2 / ndf 67.74 / 73
p0 −1072 ± 1273
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000

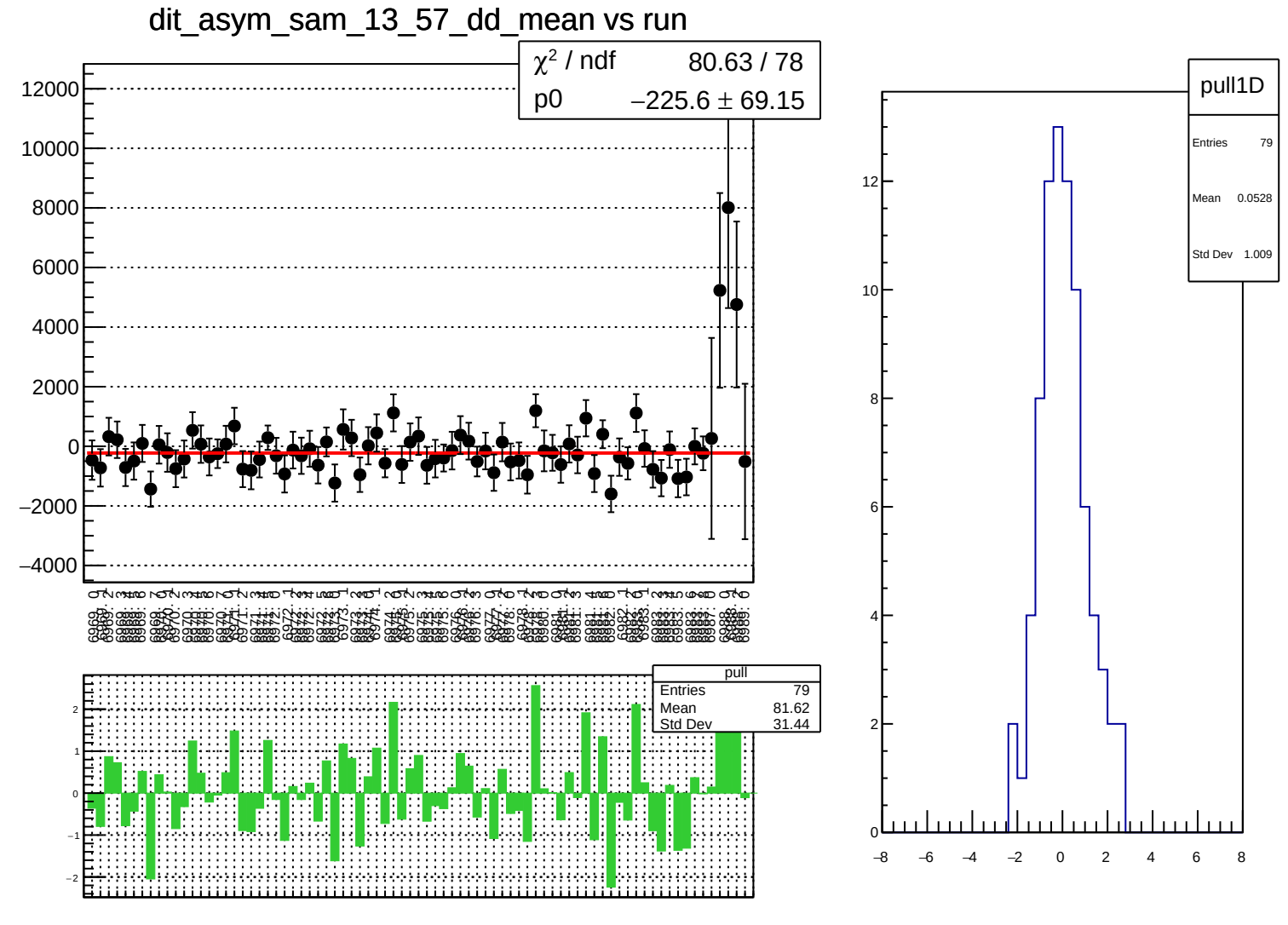

pull1D
Entries 79
Mean 0.003212
Std Dev 0.9567
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_48_dd_correction_rms vs run
χ² / ndf 9556 / 73
p0 1081 ± 0.9003
1400
1200
1000
800
600
400
200
0

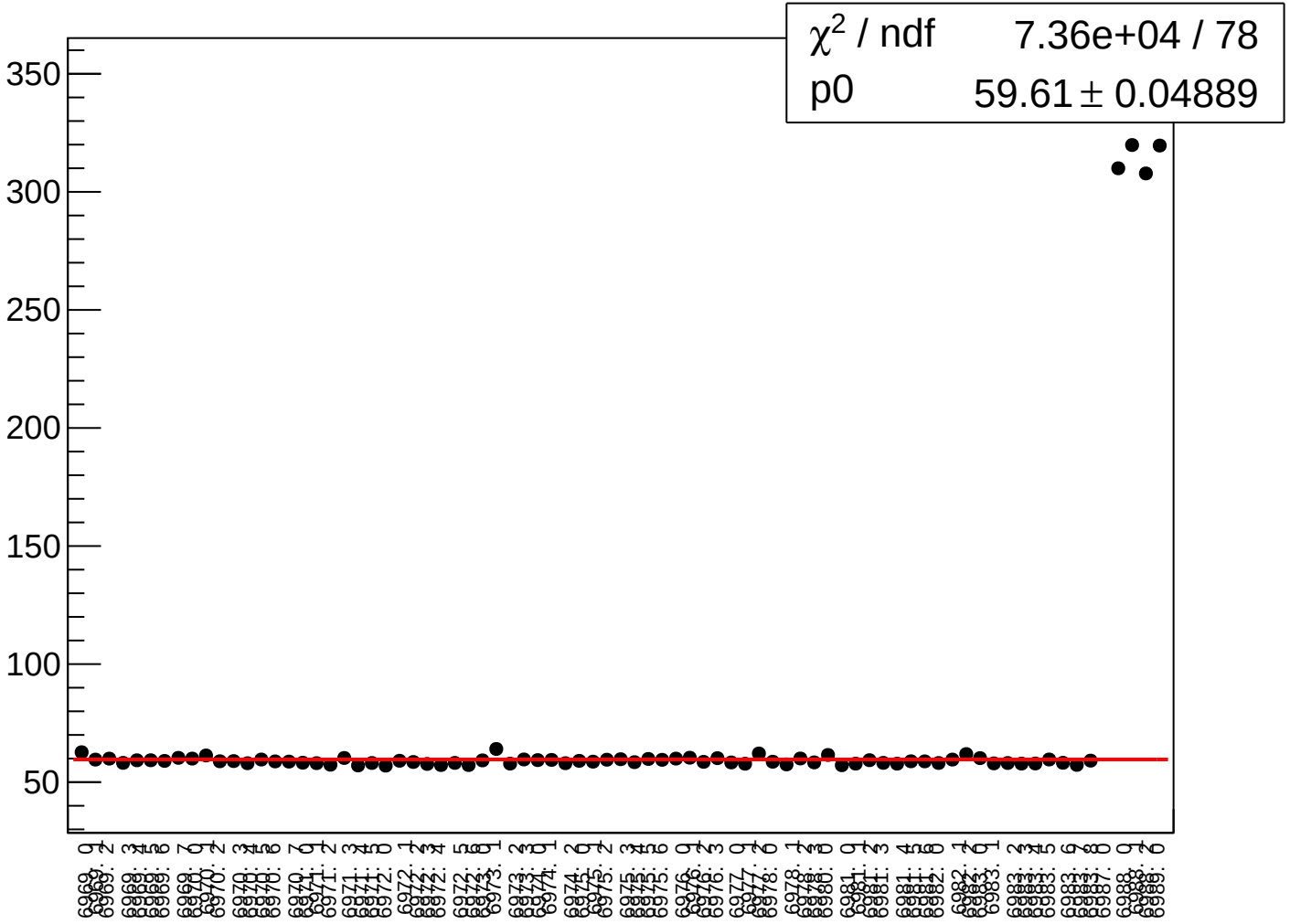

asym_sam_48_dd_mean vs run
χ² / ndf 75.19 / 78
p0 1525 ± 1237
pull
Entries 79
Mean −642.3
Std Dev 678.8
pull1D
Entries 79
Mean −0.003959
Std Dev 0.9756

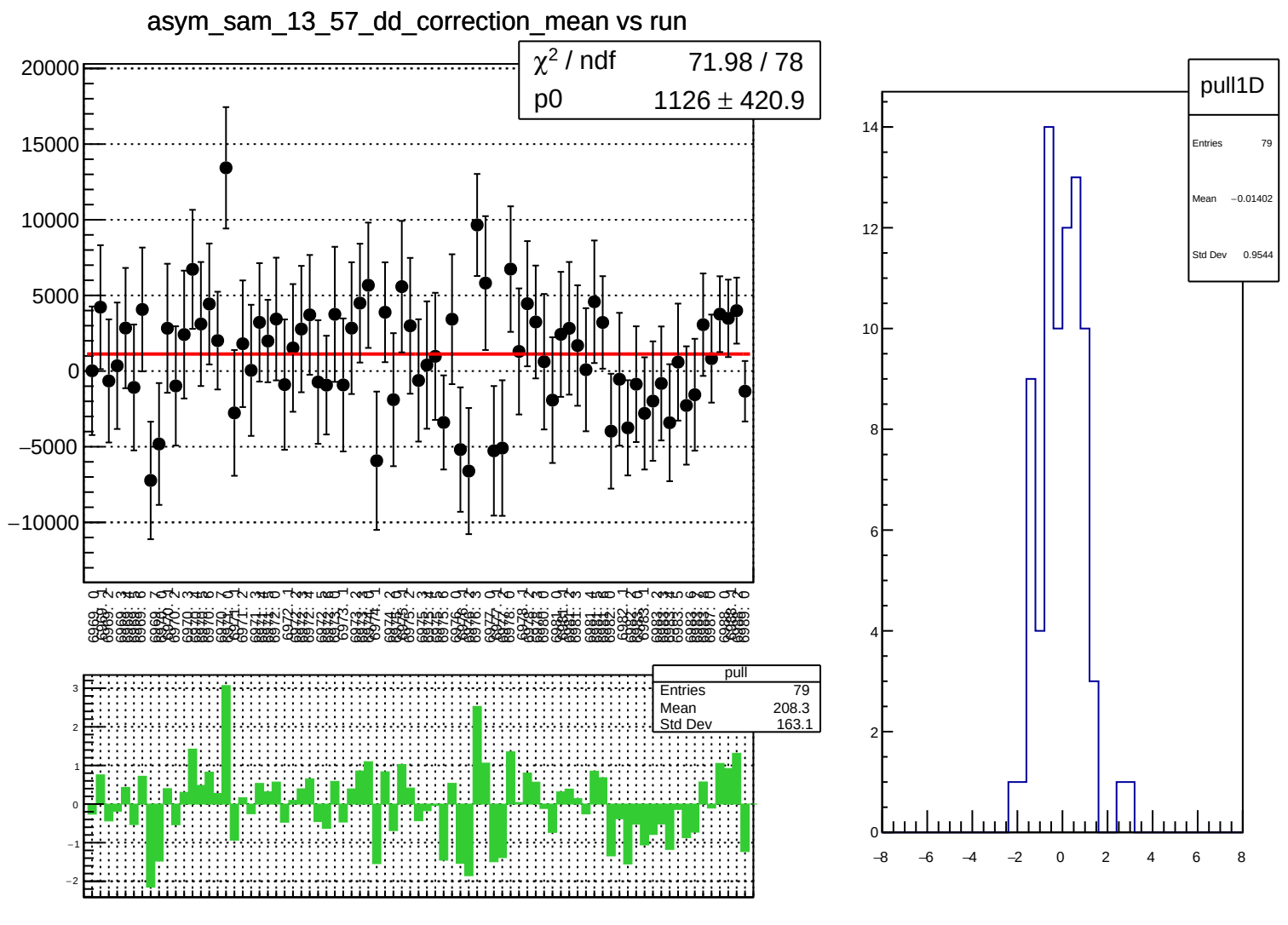
asym_sam_48_dd_rms vs run

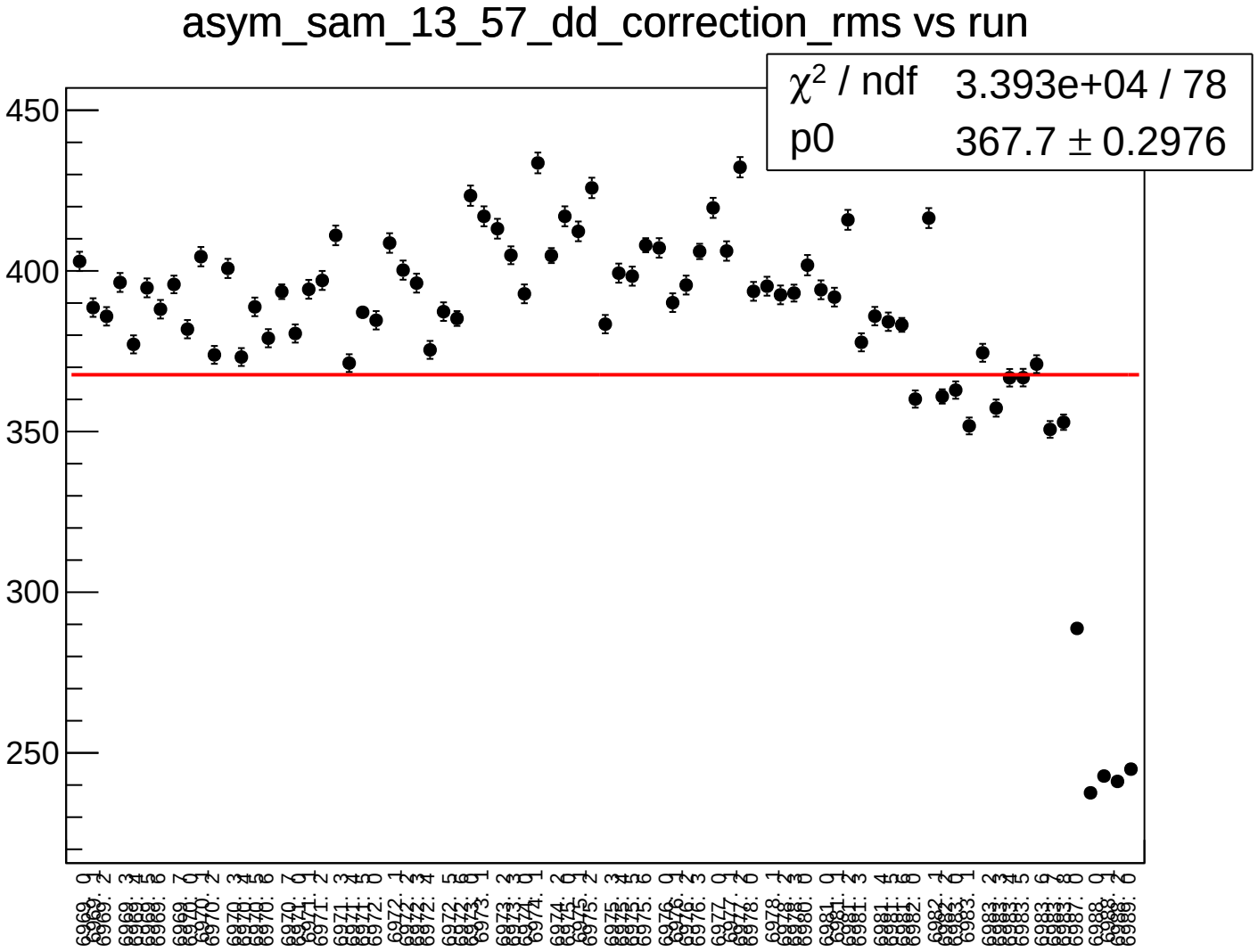


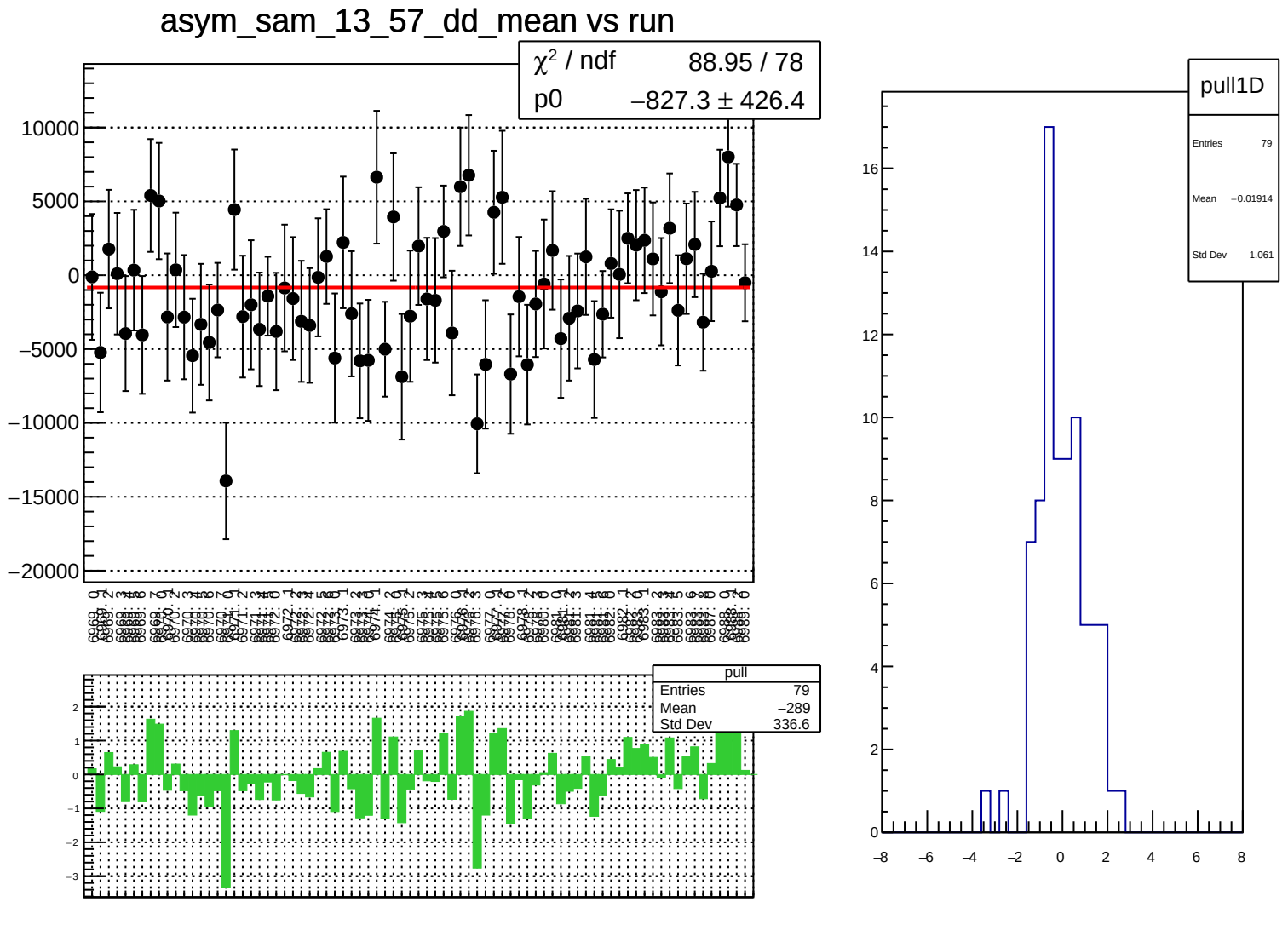

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 80.63 / 78
p0 −225.6 ± 69.15
pull
Entries 79
Mean 81.62
Std Dev 31.44
pull1D
Entries 79
Mean 0.0528
Std Dev 1.009

dit_asym_sam_13_57_dd_rms vs run

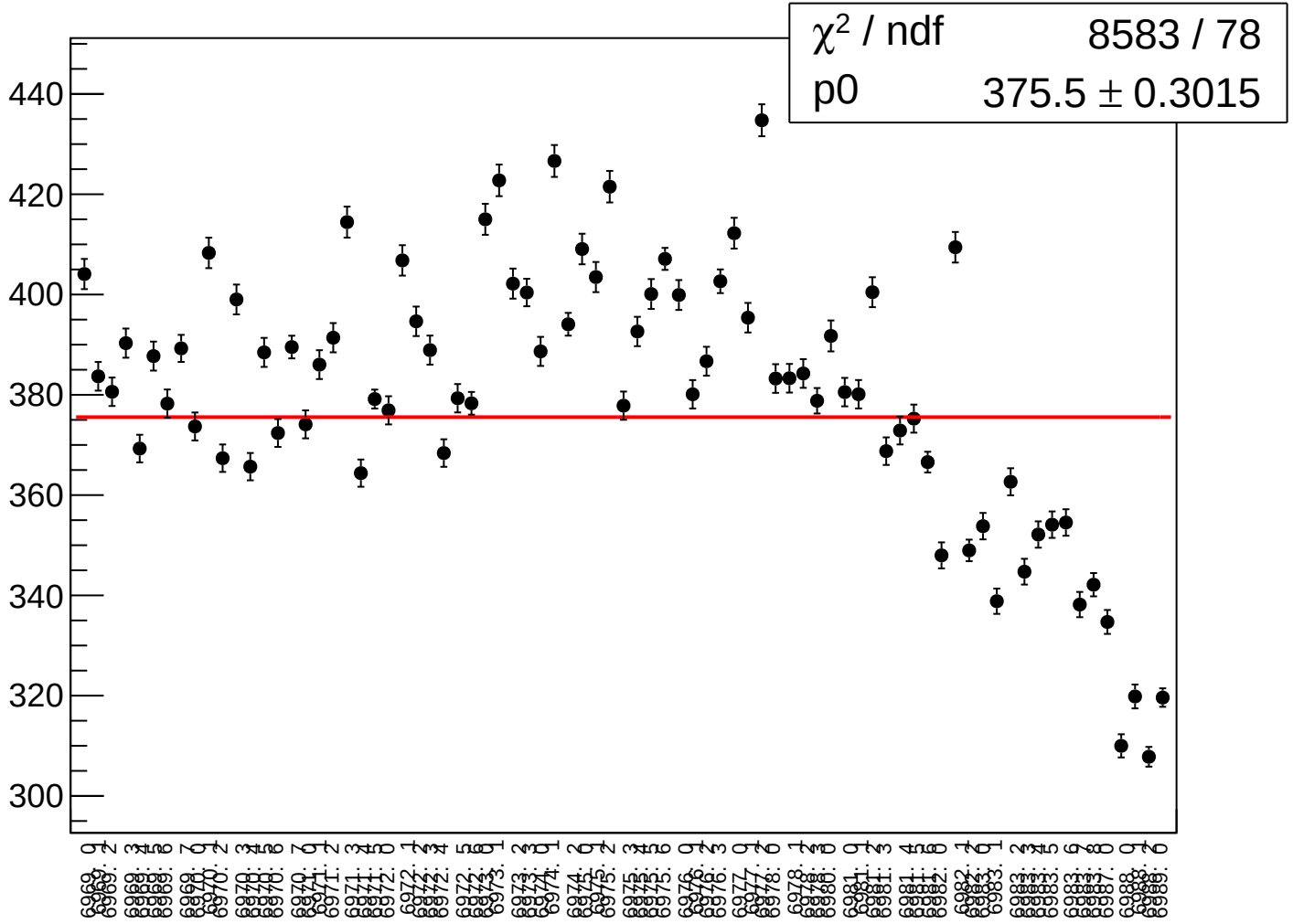


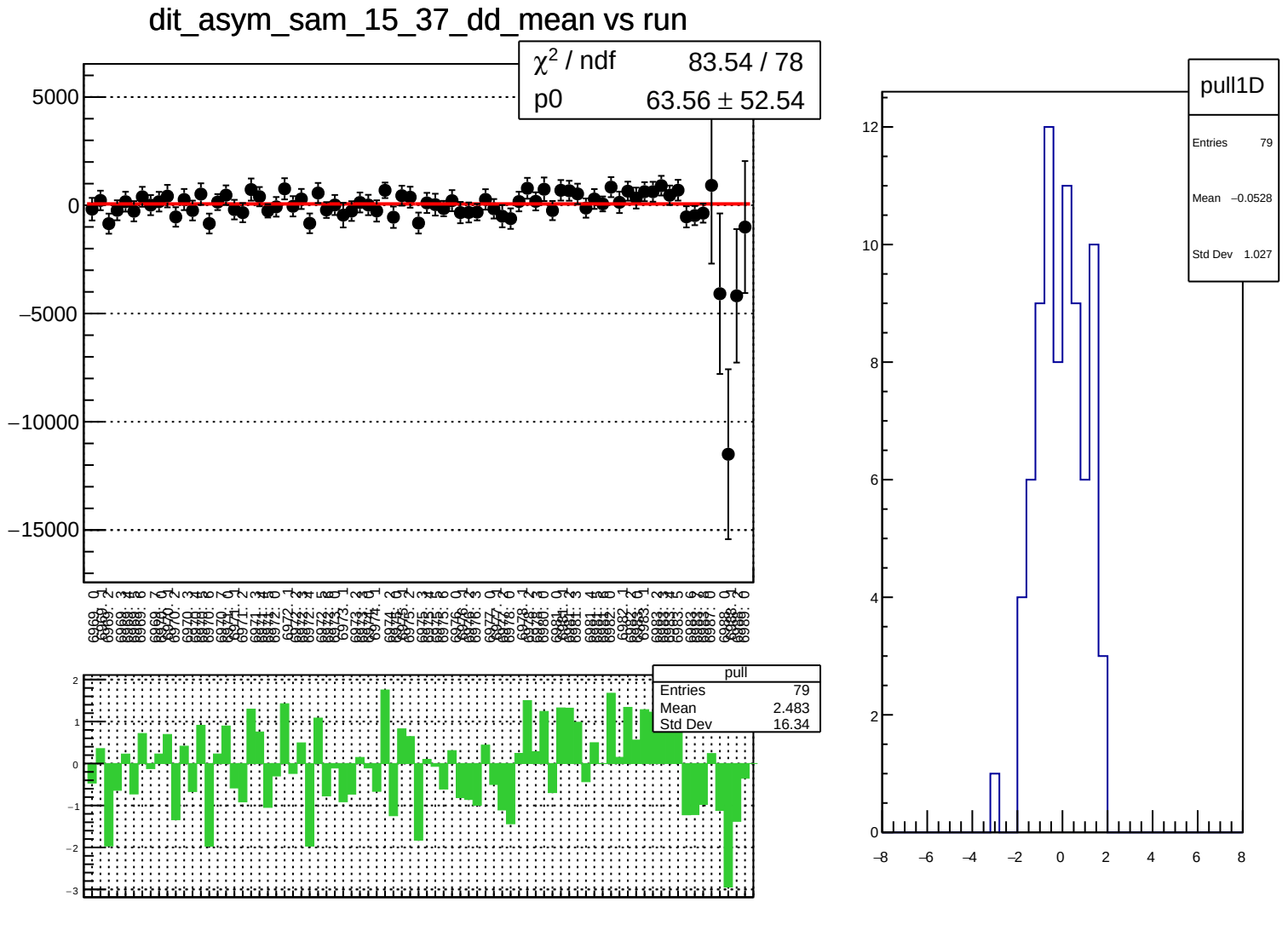

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 71.98 / 78
p0 1126 ± 420.9
pull
Entries 79
Mean 208.3
Std Dev 163.1
pull1D
Entries 79
Mean −0.01402
Std Dev 0.9544


asym_sam_13_57_dd_correction_rms vs run
χ^2 / ndf 3.393e+04 / 78
p0 367.7 ± 0.2976
450
400
350
300
250

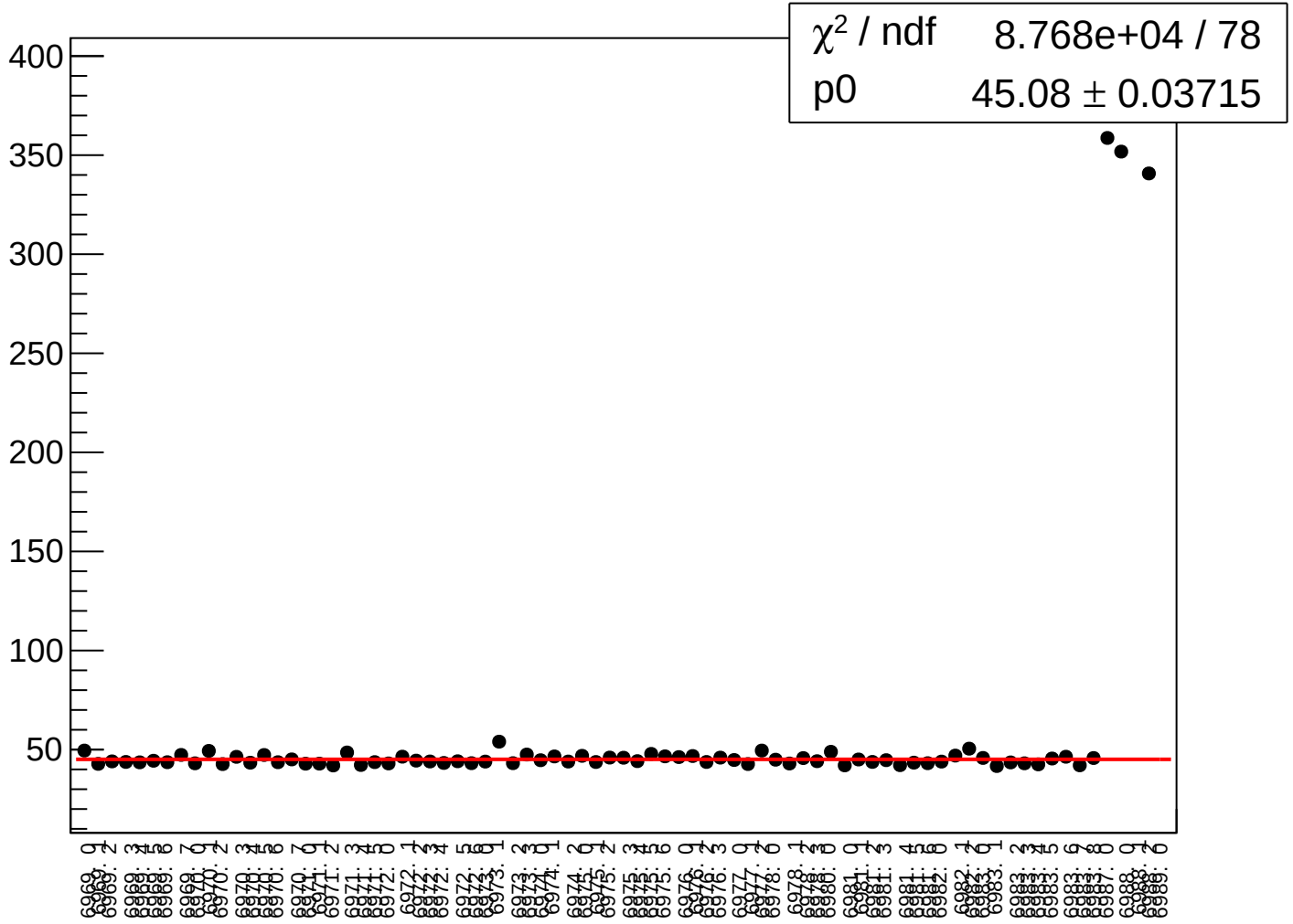

asym_sam_13_57_dd_mean vs run
χ² / ndf 88.95 / 78
p0 −827.3 ± 426.4
pull
Entries 79
Mean −289
Std Dev 336.6
pull1D
Entries 79
Mean −0.01914
Std Dev 1.061

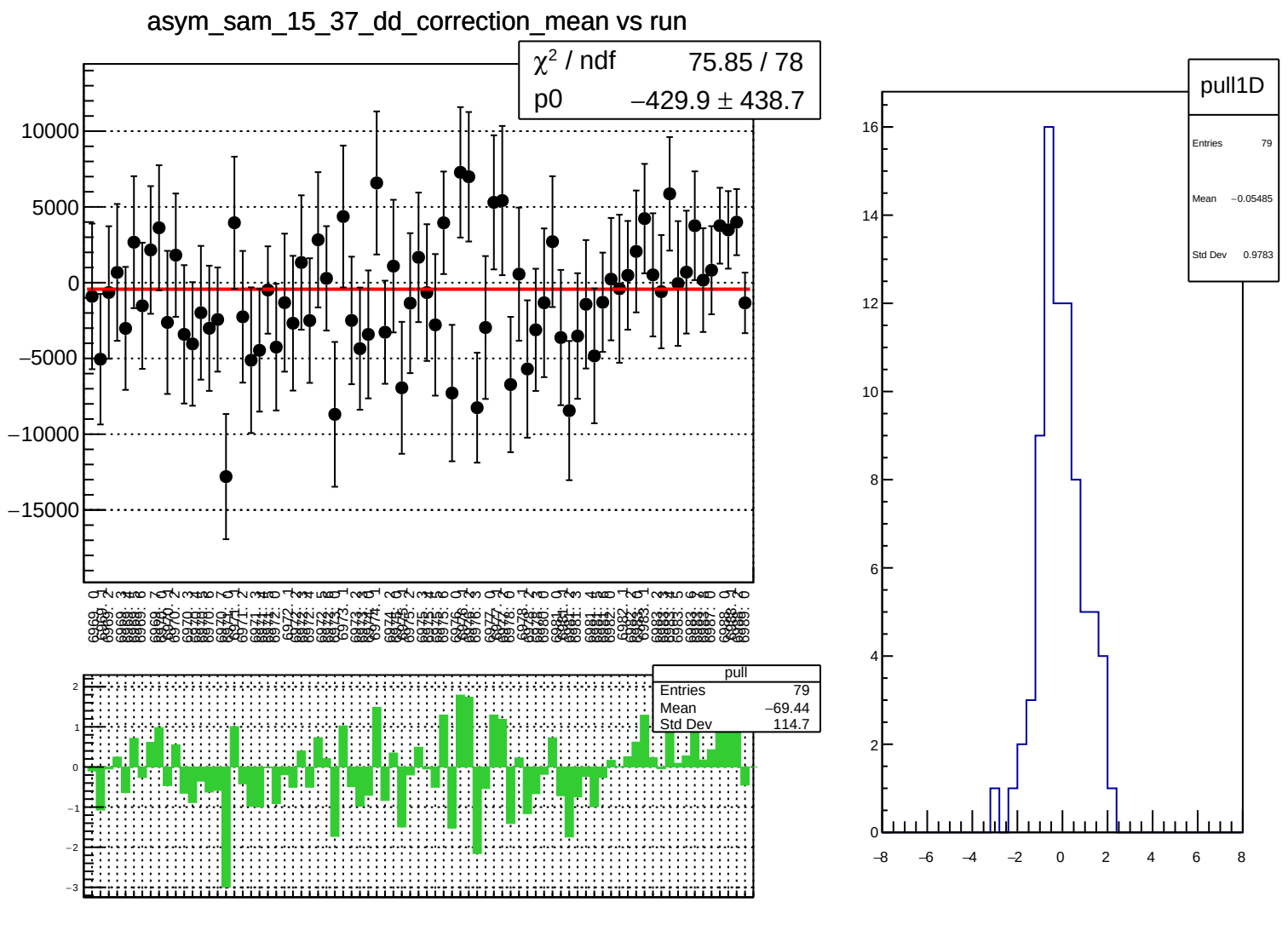
asym_sam_13_57_dd_rms vs run

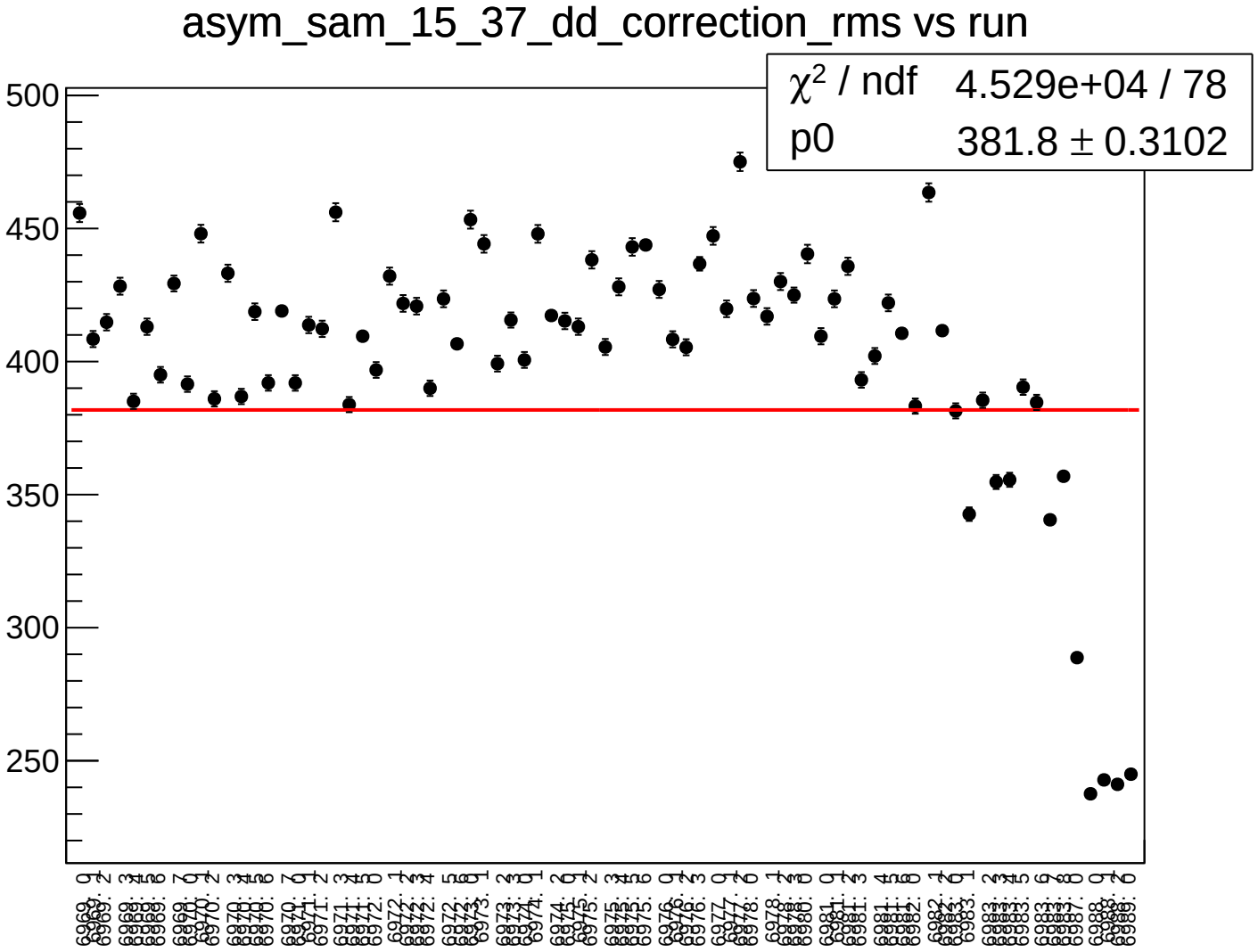


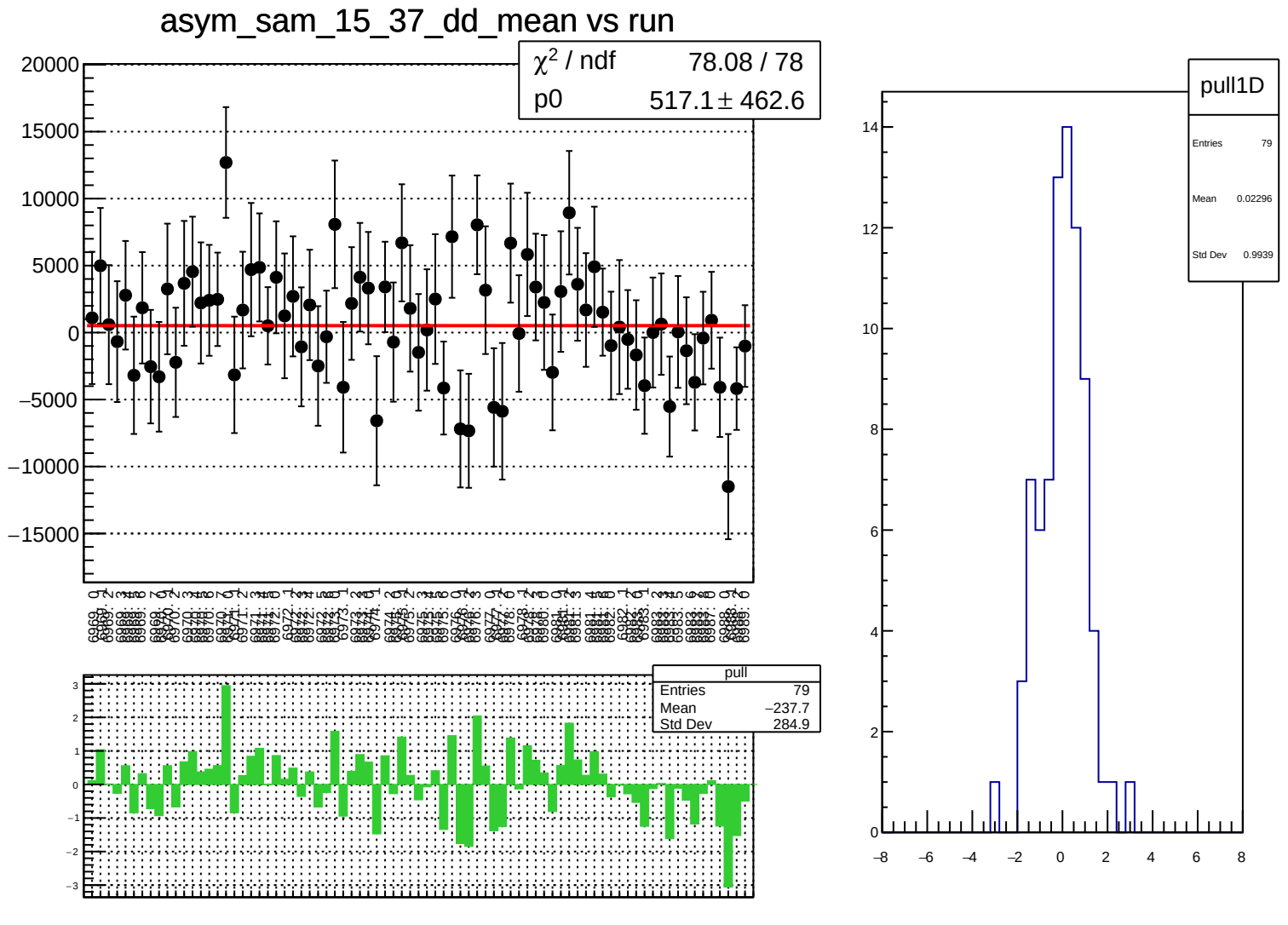

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 83.54 / 78
p0 63.56 ± 52.54
5000
0
−5000
−10000
−15000
pull
Entries 79
Mean 2.483
Std Dev 16.34
2
1
0
−1
−2
−3
pull1D
Entries 79
Mean −0.0528
Std Dev 1.027
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

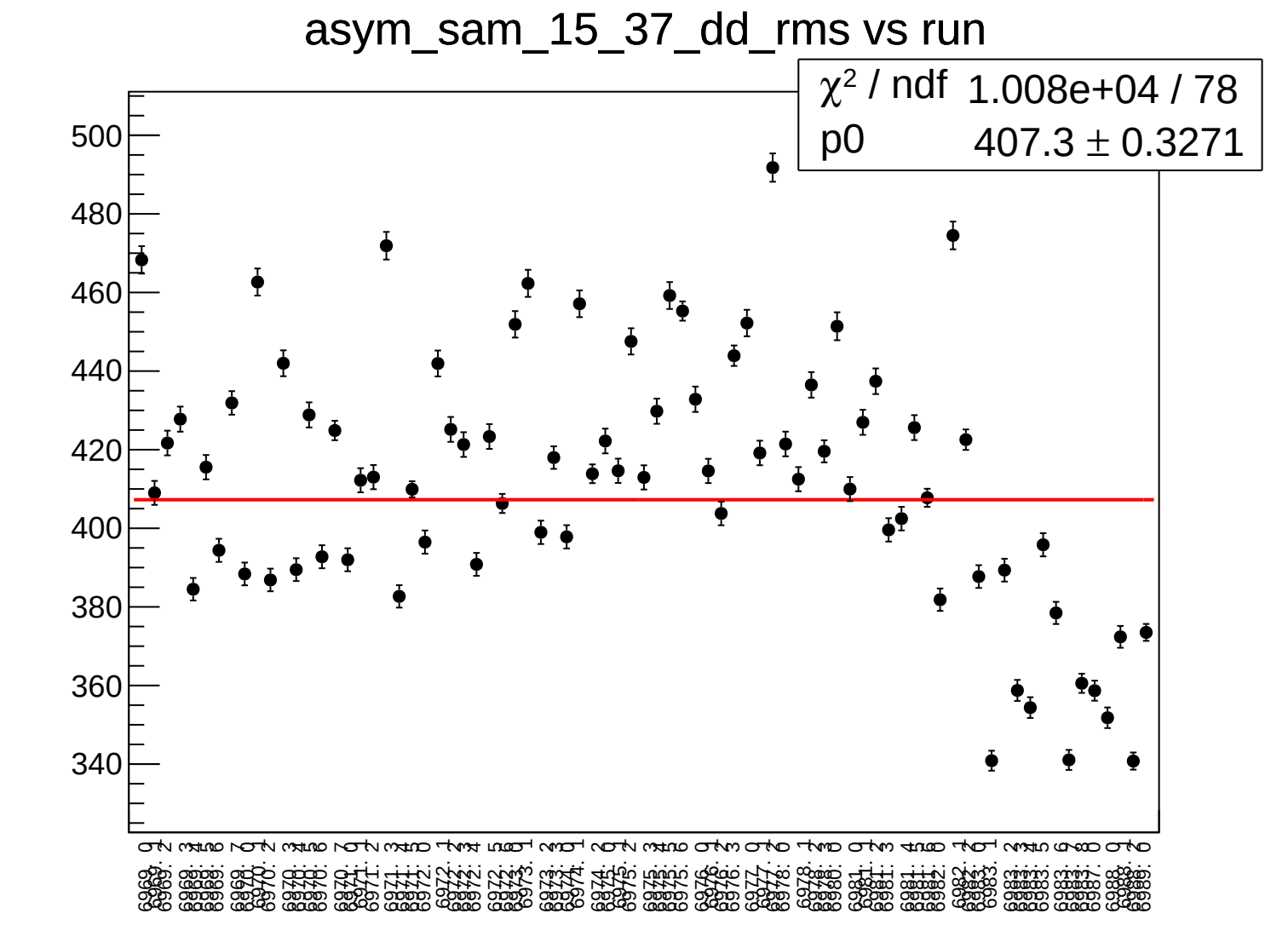
dit_asym_sam_15_37_dd_rms vs run

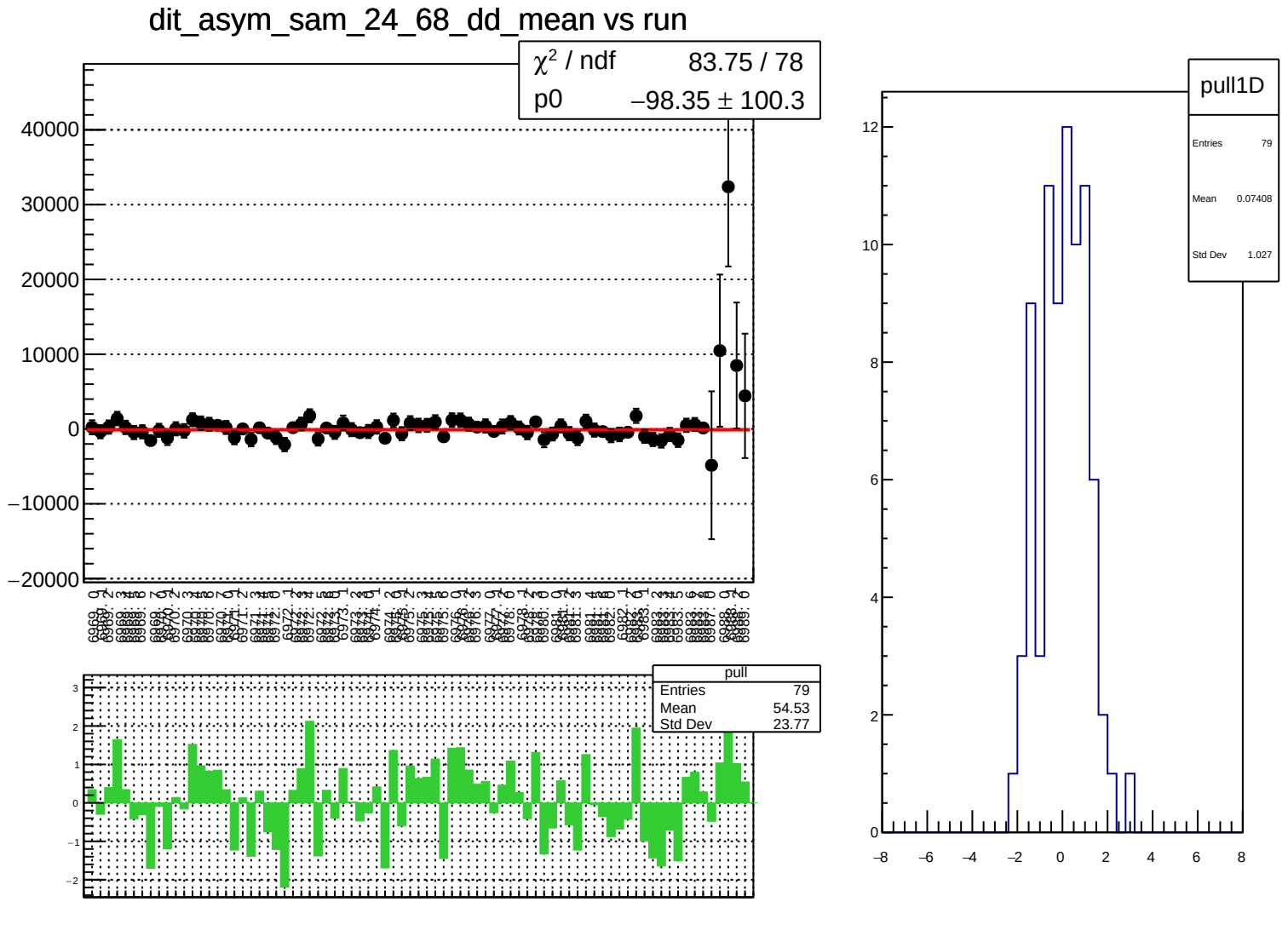



asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 75.85 / 78
p0 −429.9 ± 438.7
pull
Entries 79
Mean −69.44
Std Dev 114.7
pull1D
Entries 79
Mean −0.05485
Std Dev 0.9783

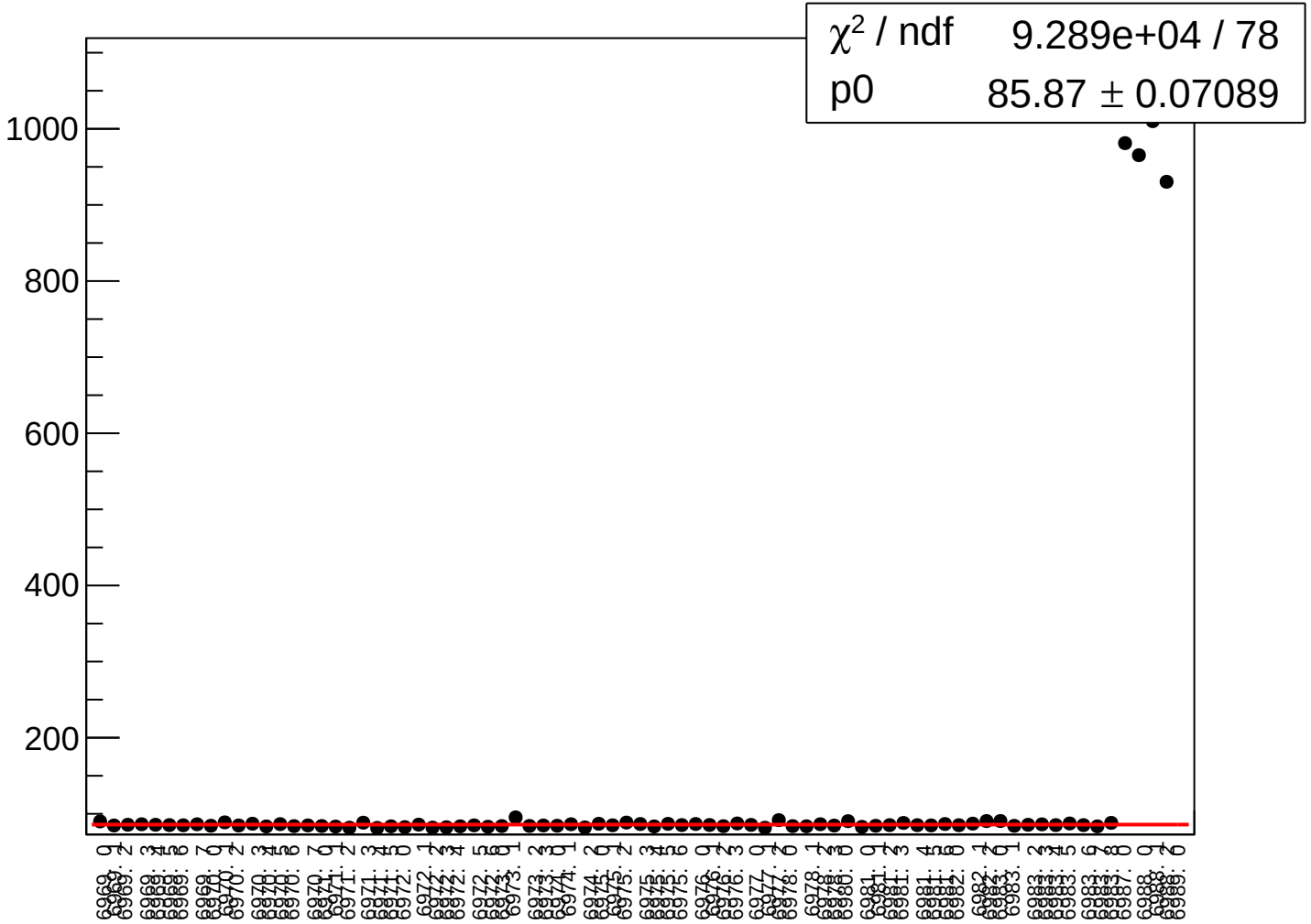

asym_sam_15_37_dd_correction_rms vs run
χ^2 / ndf 4.529e+04 / 78
p0 381.8 ± 0.3102
500
450
400
350
300
250

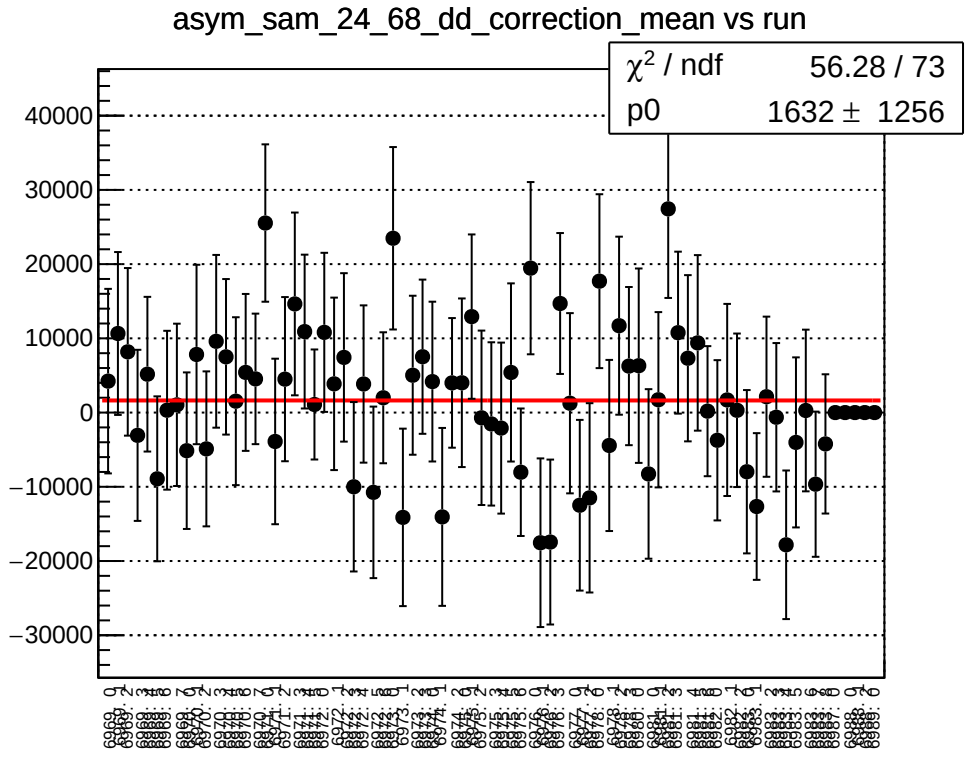

asym_sam_15_37_dd_mean vs run
χ² / ndf 78.08 / 78
p0 517.1 ± 462.6
pull
Entries 79
Mean −237.7
Std Dev 284.9
pull1D
Entries 79
Mean 0.02296
Std Dev 0.9939

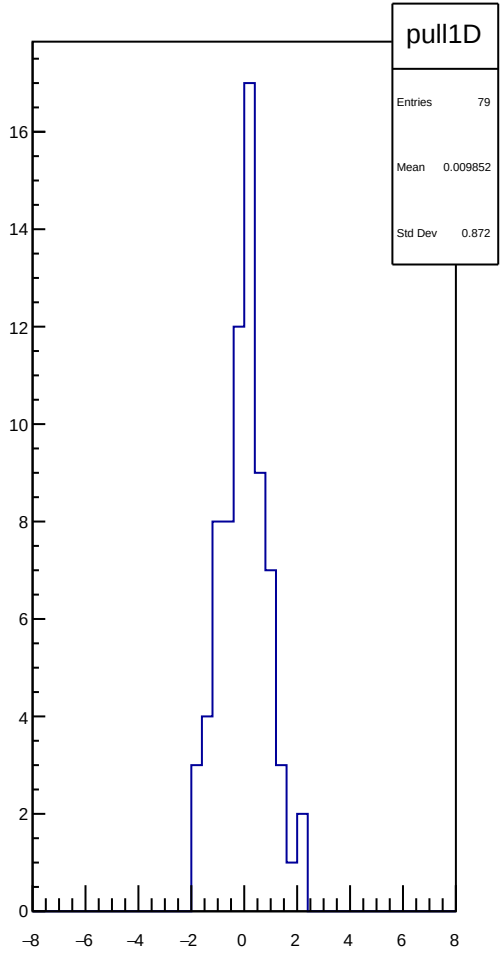

asym_sam_15_37_dd_rms vs run
χ² / ndf 1.008e+04 / 78
p0 407.3 ± 0.3271
500
480
460
440
420
400
380
360
340

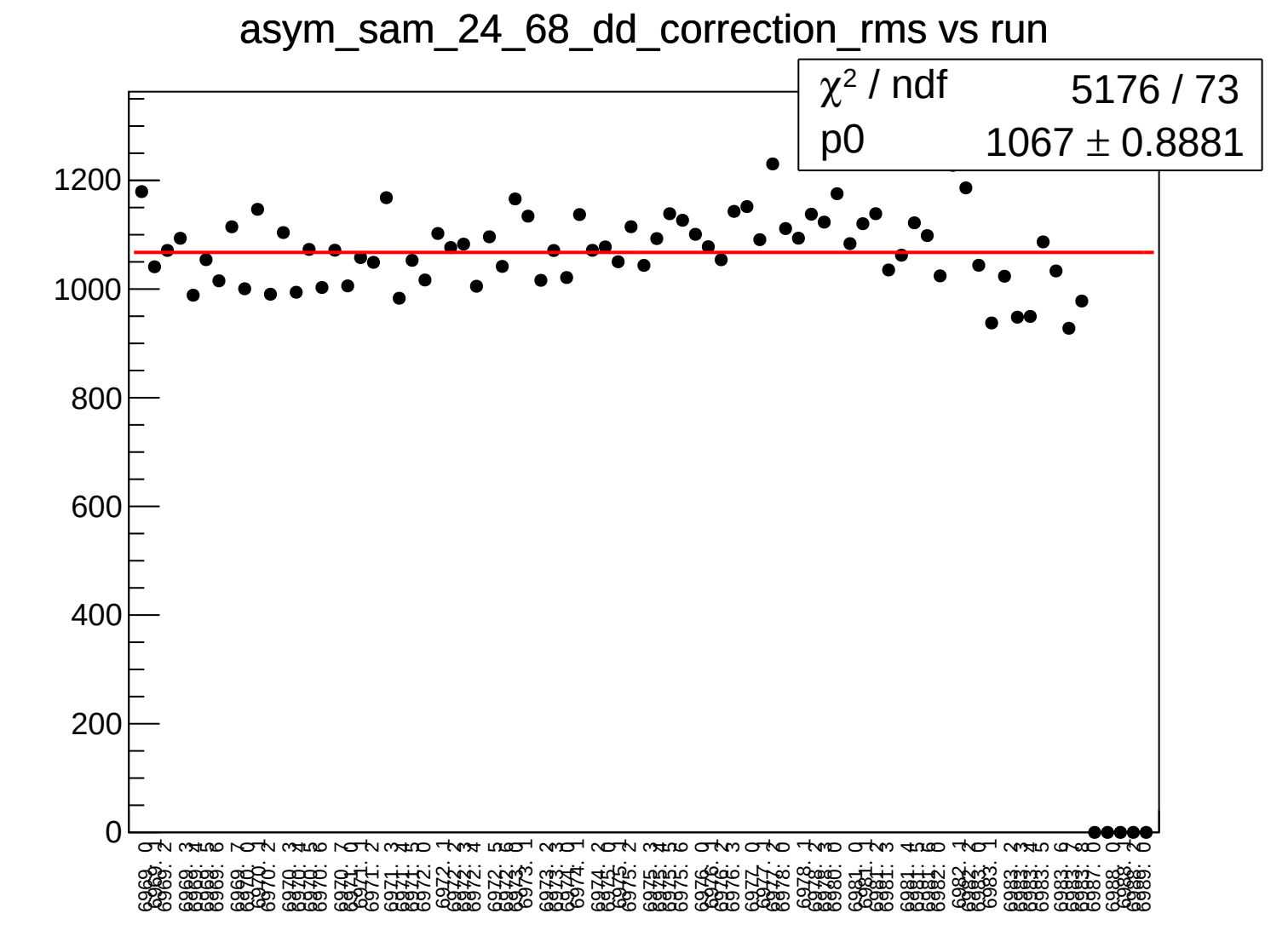

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 83.75 / 78
p0 −98.35 ± 100.3
pull
Entries 79
Mean 54.53
Std Dev 23.77
pull1D
Entries 79
Mean 0.07408
Std Dev 1.027

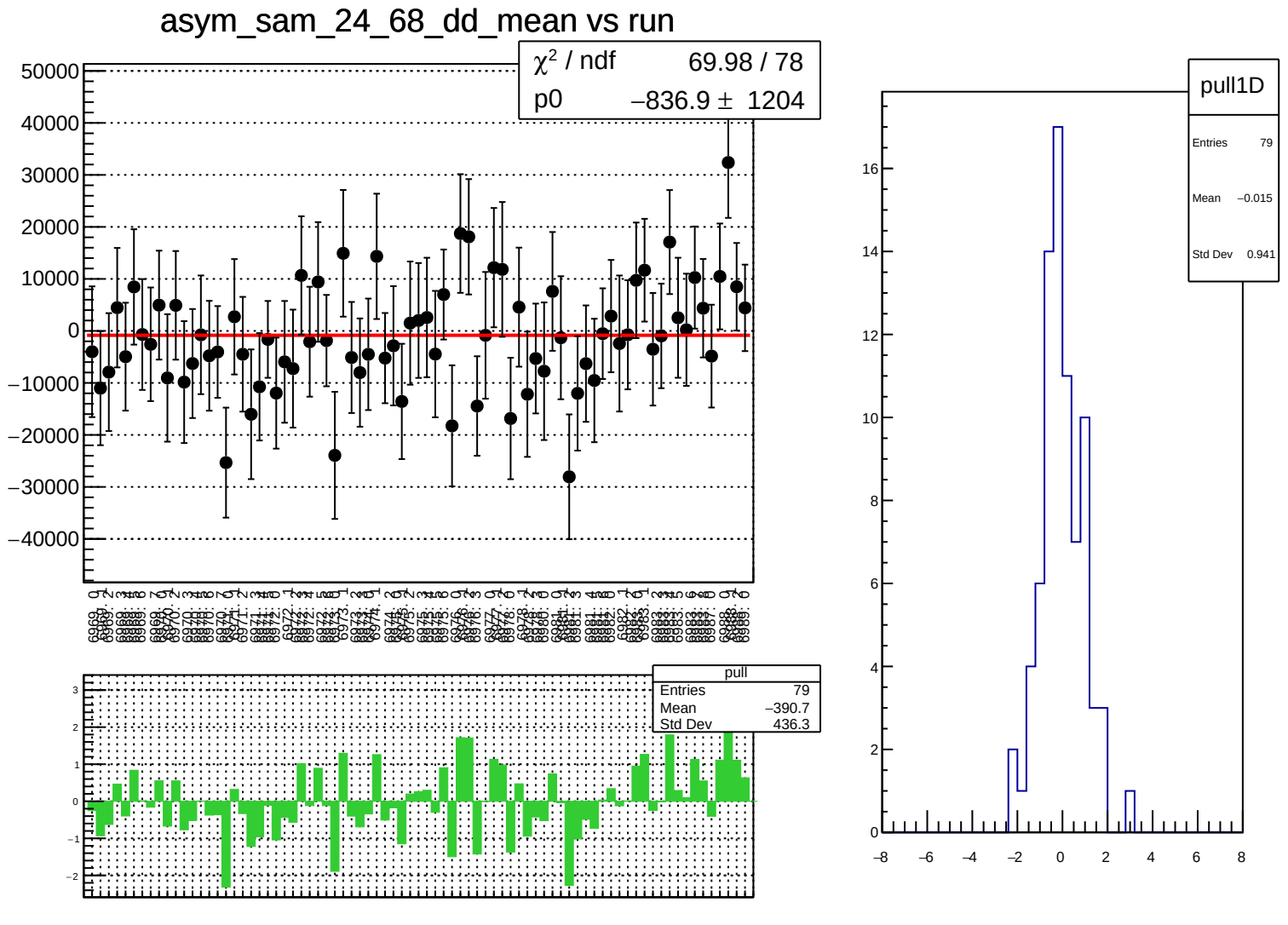
dit_asym_sam_24_68_dd_rms vs run

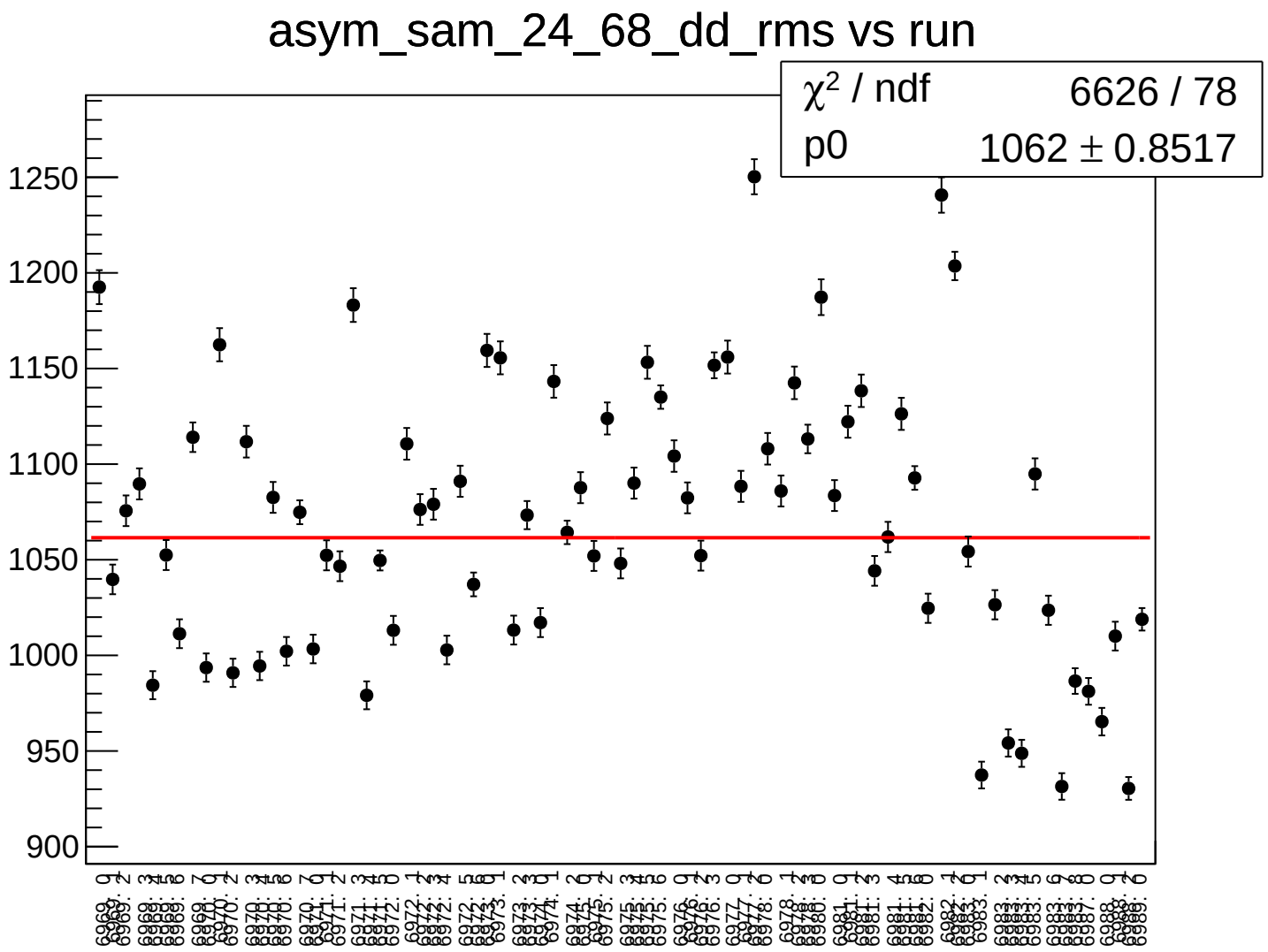


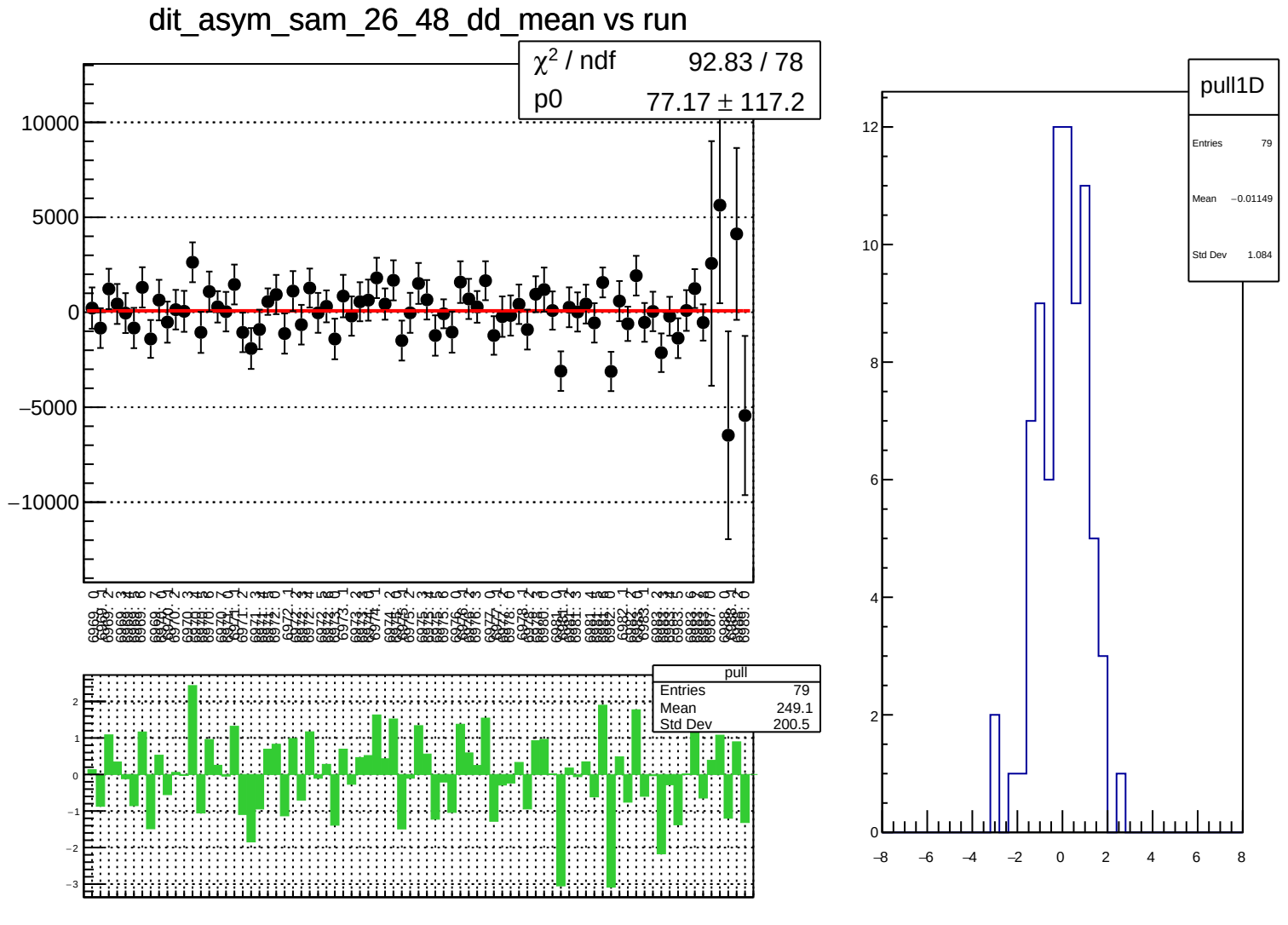

asym_sam_24_68_dd_correction_mean vs run
χ^2 / ndf 56.28 / 73
p0 1632 ± 1256
40000
30000
20000
10000
0
−10000
−20000
−30000


pull1D
Entries 79
Mean 0.009852
Std Dev 0.872
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

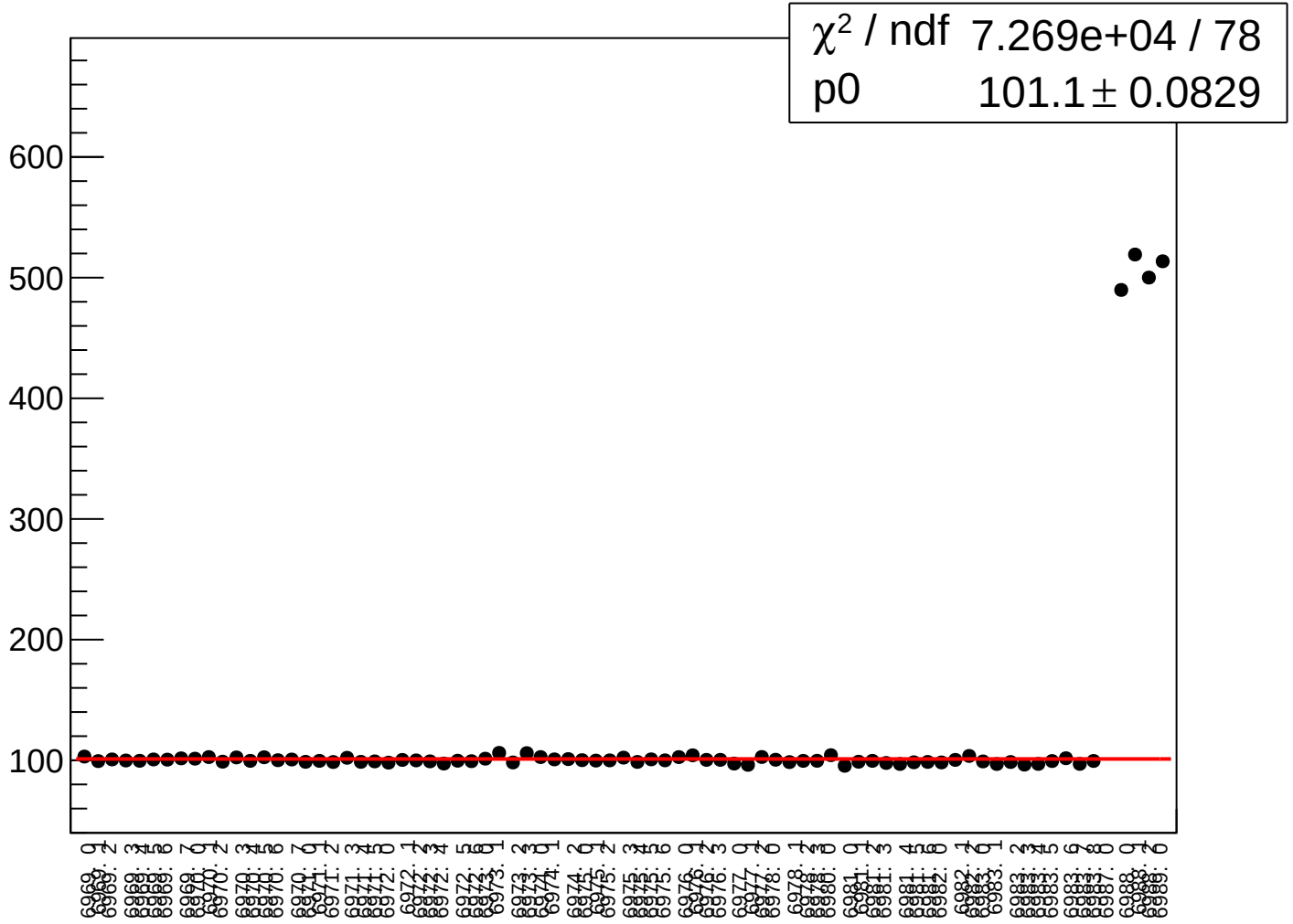

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 5176 / 73
p0 1067 ± 0.8881
1200
1000
800
600
400
200
0

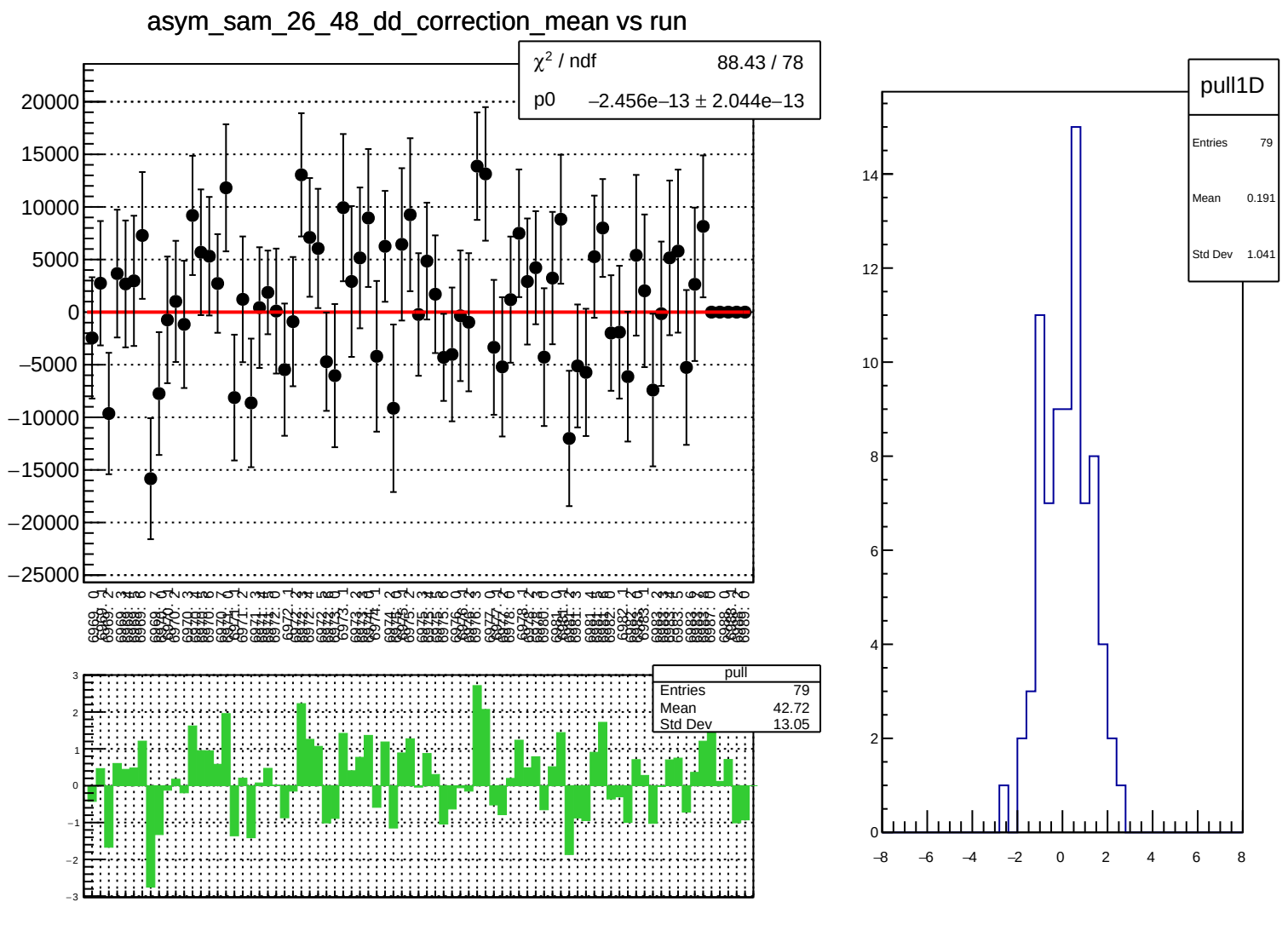

asym_sam_24_68_dd_mean vs run
χ² / ndf 69.98 / 78
p0 −836.9 ± 1204
pull
Entries 79
Mean −390.7
Std Dev 436.3
pull1D
Entries 79
Mean −0.015
Std Dev 0.941


asym_sam_24_68_dd_rms vs run
χ² / ndf 6626 / 78
p0 1062 ± 0.8517
1250
1200
1150
1100
1050
1000
950
900

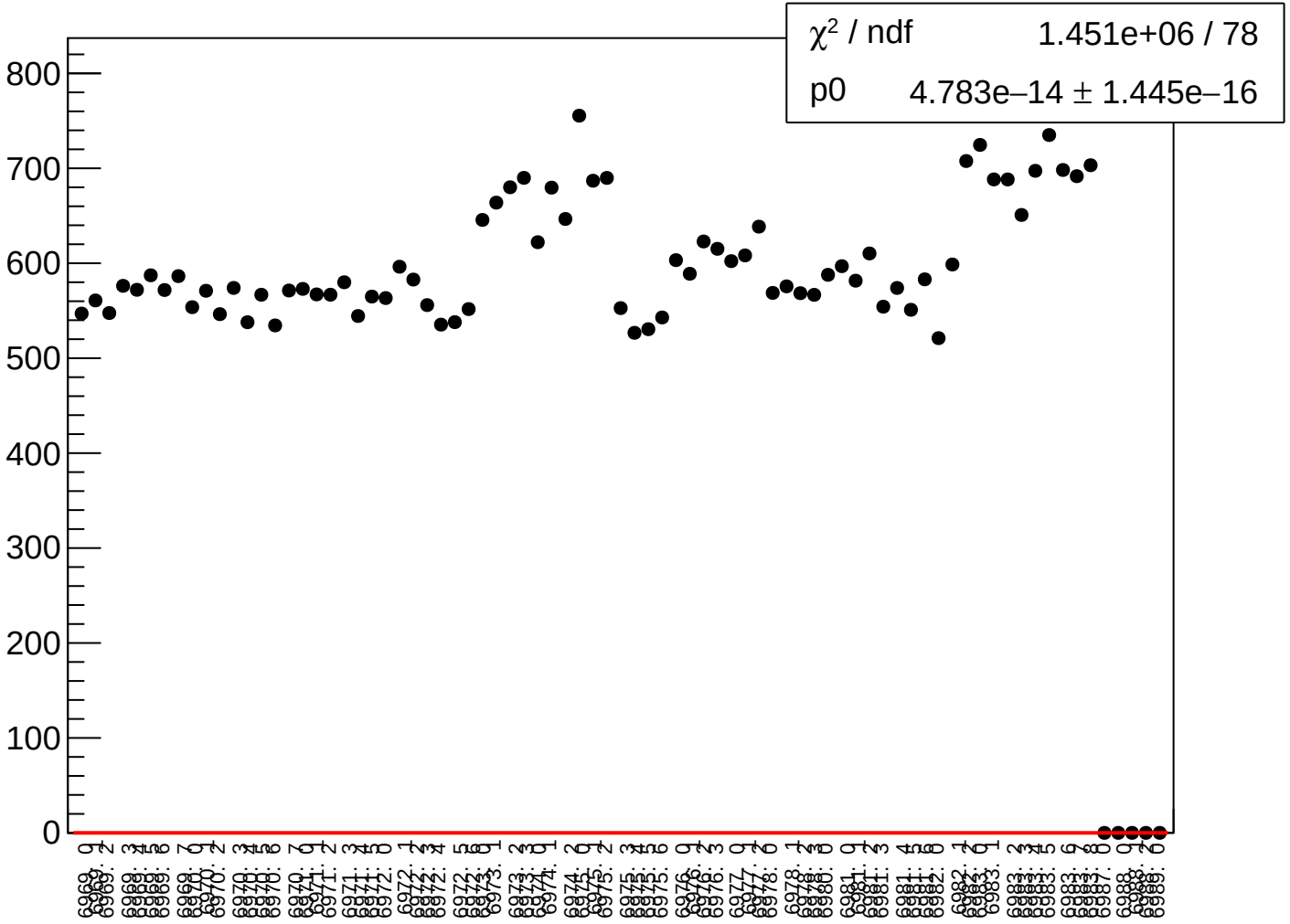

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 92.83 / 78
p0 77.17 ± 117.2
10000
5000
0
−5000
−10000
pull
Entries 79
Mean 249.1
Std Dev 200.5
pull1D
Entries 79
Mean −0.01149
Std Dev 1.084

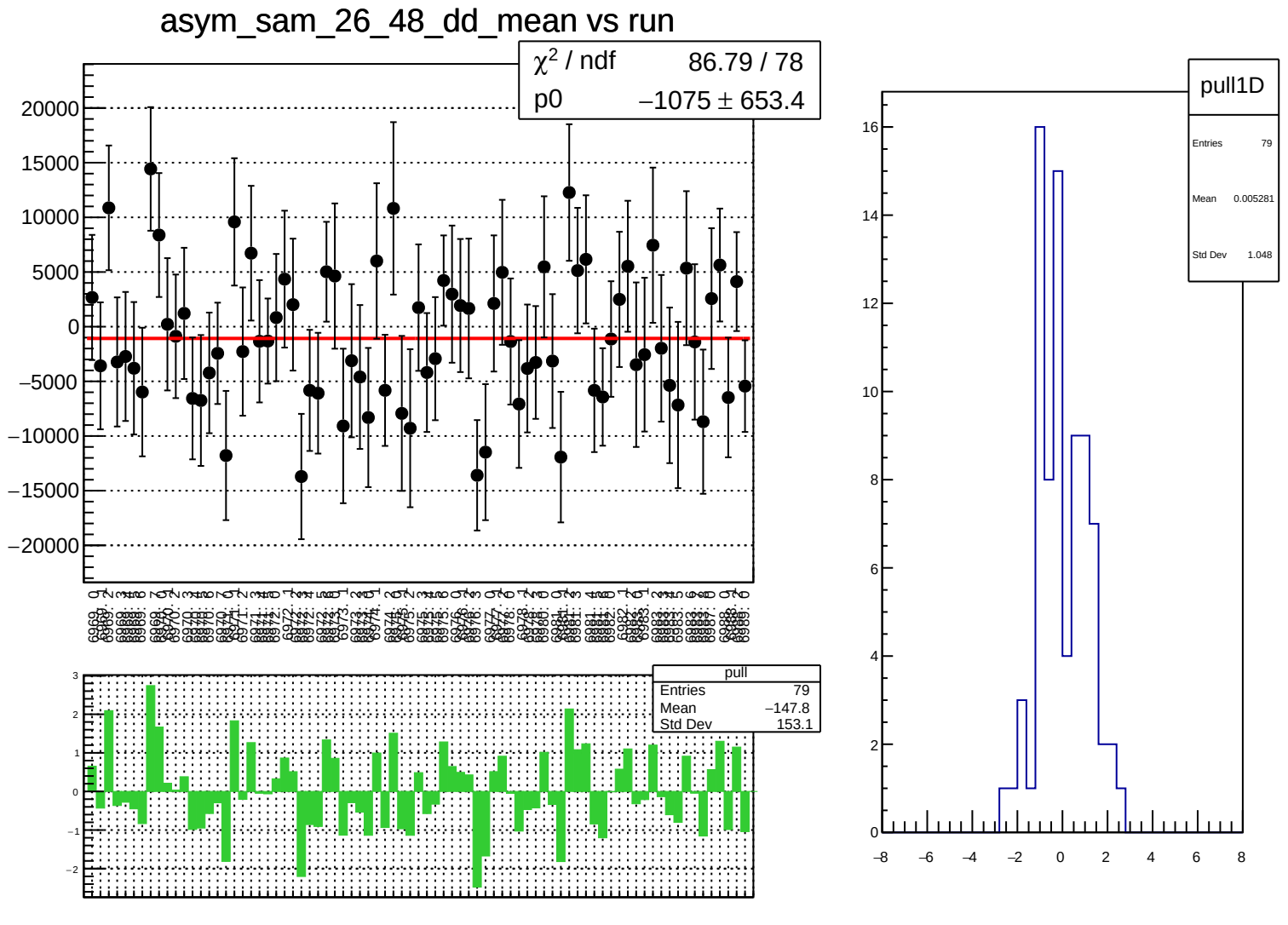
dit_asym_sam_26_48_dd_rms vs run

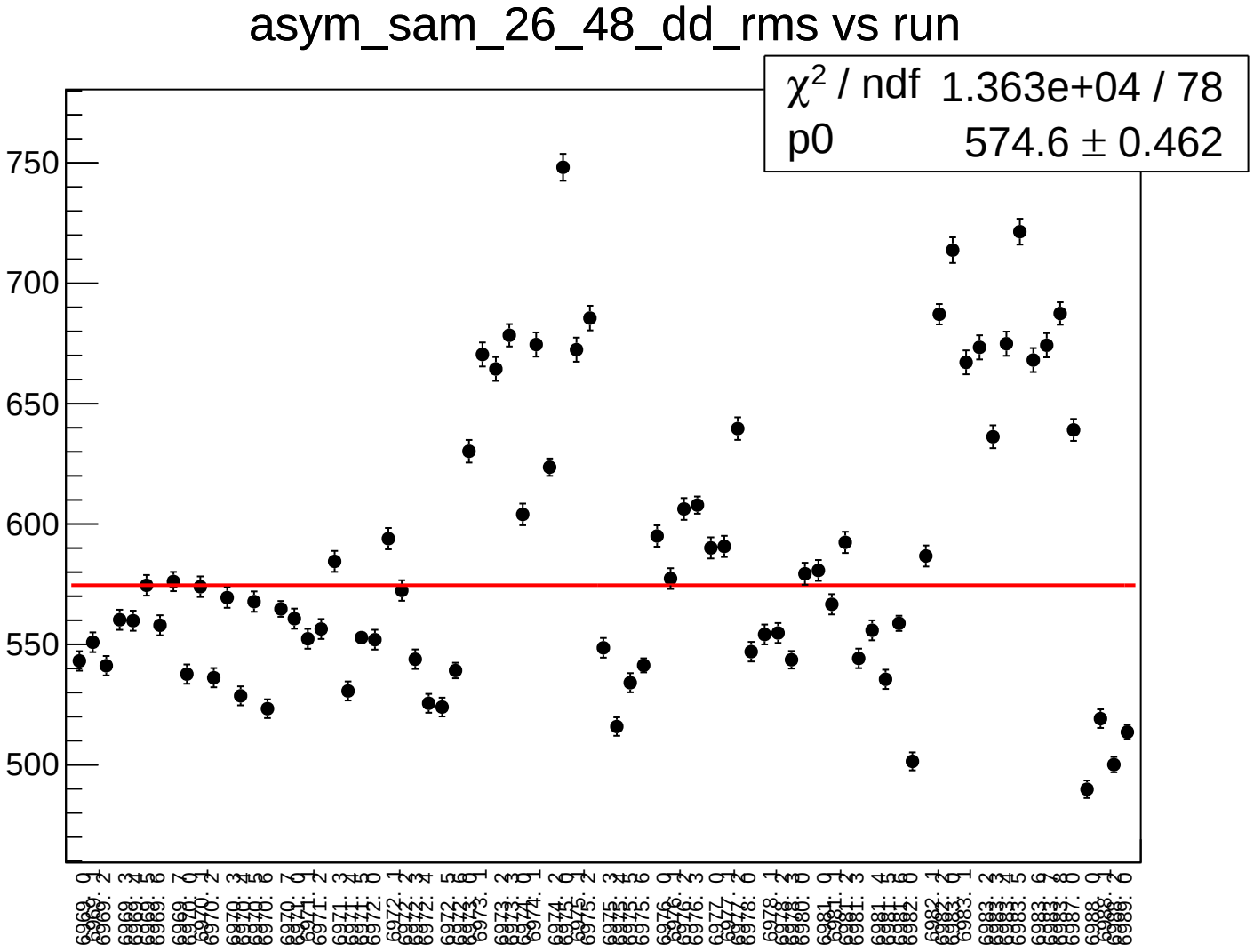


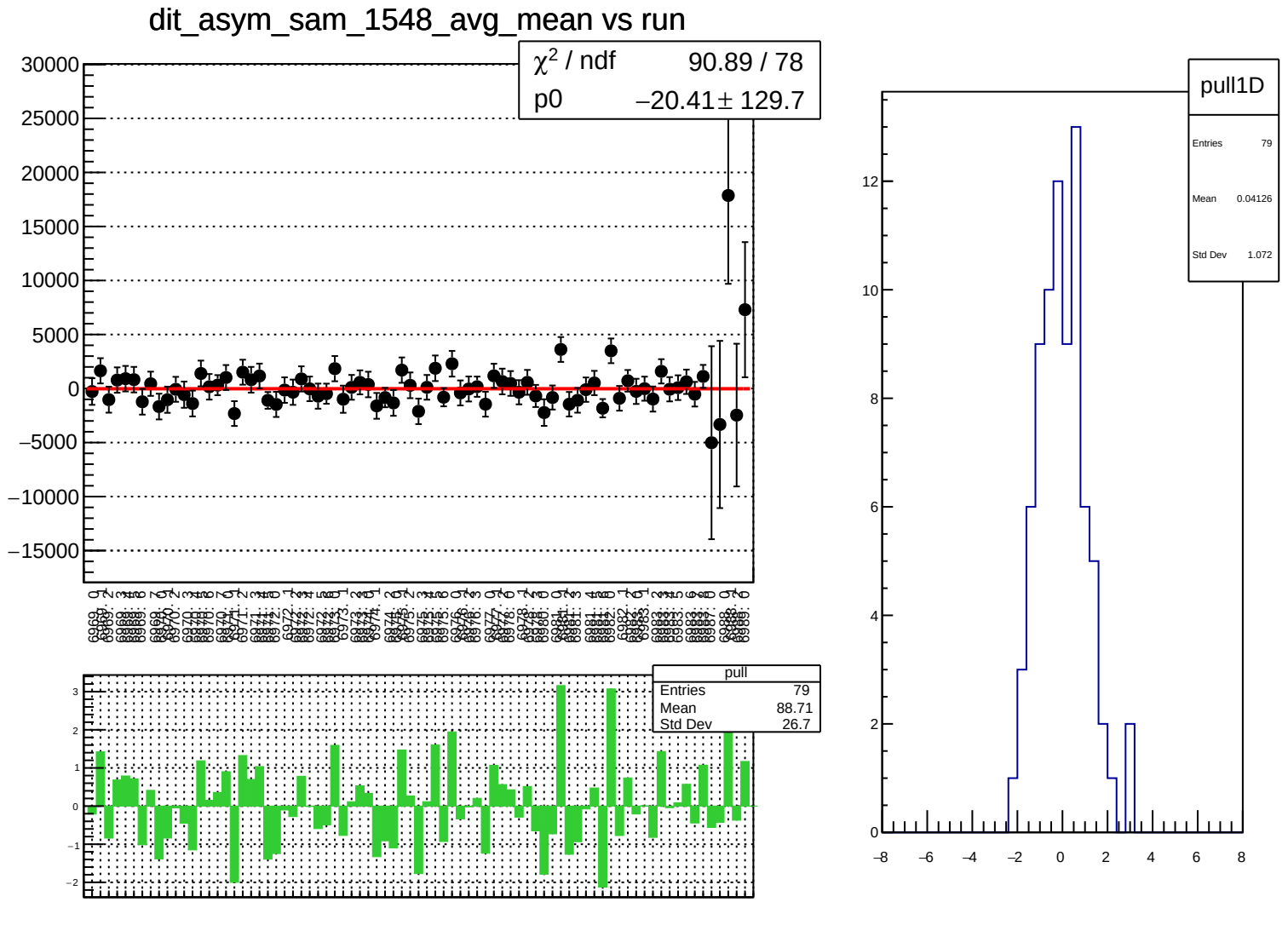

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 88.43 / 78
p0 −2.456e−13 ± 2.044e−13
pull
Entries 79
Mean 42.72
Std Dev 13.05
pull1D
Entries 79
Mean 0.191
Std Dev 1.041

asym_sam_26_48_dd_correction_rms vs run

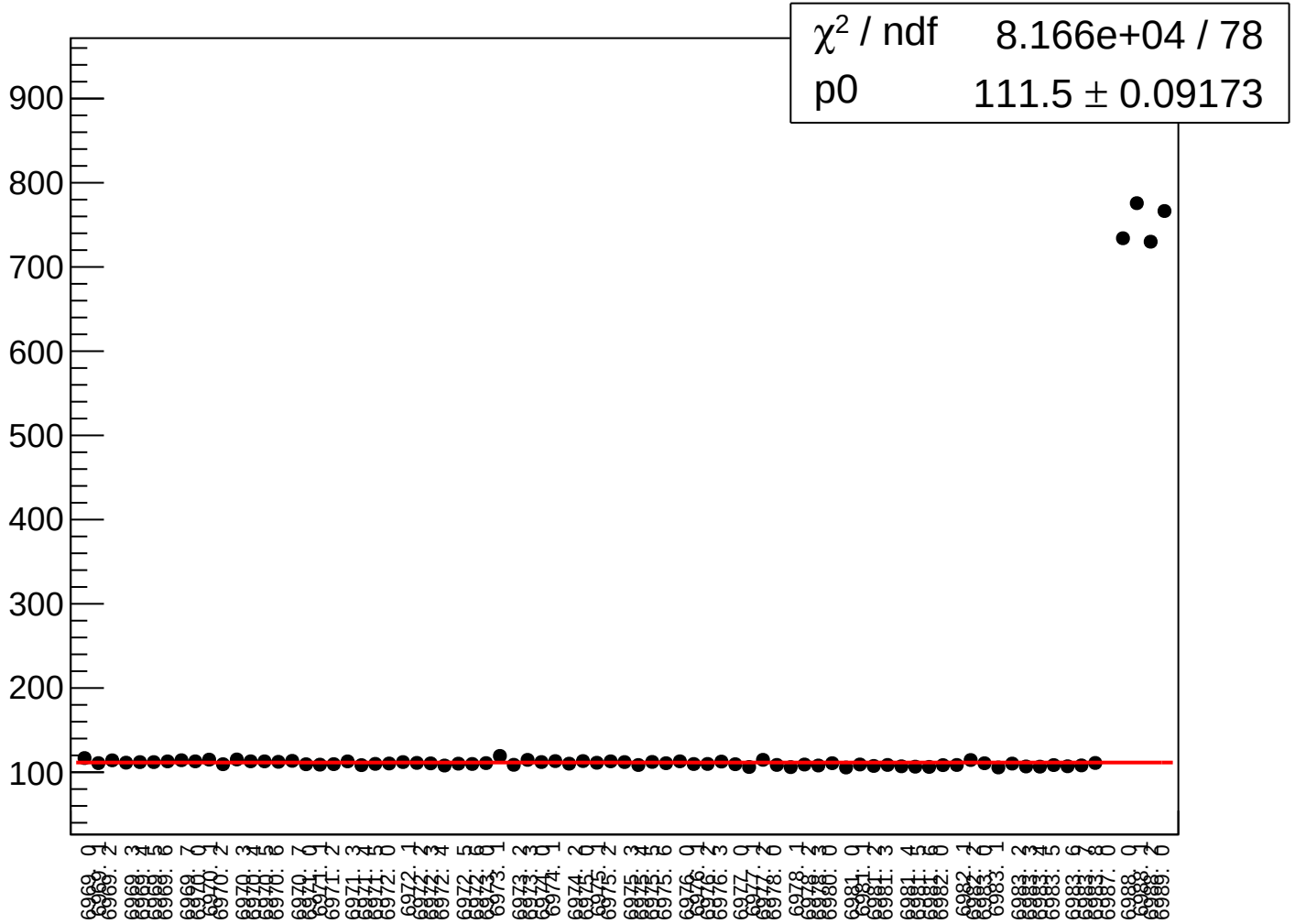


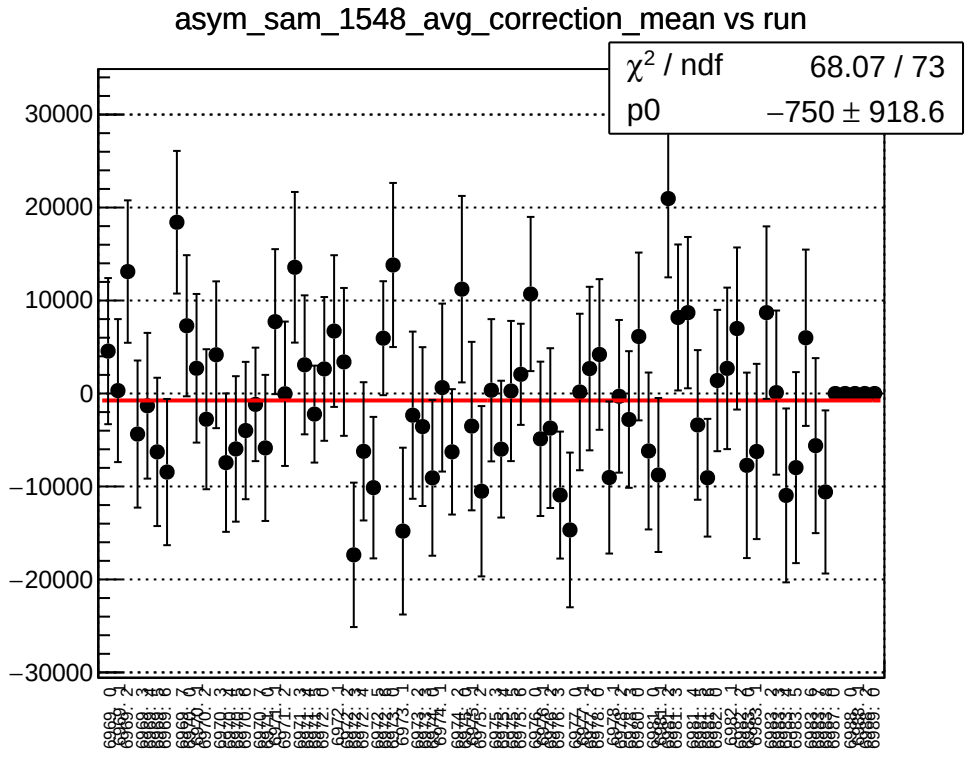

asym_sam_26_48_dd_mean vs run
χ² / ndf 86.79 / 78
p0 −1075 ± 653.4
pull
Entries 79
Mean −147.8
Std Dev 153.1
pull1D
Entries 79
Mean 0.005281
Std Dev 1.048

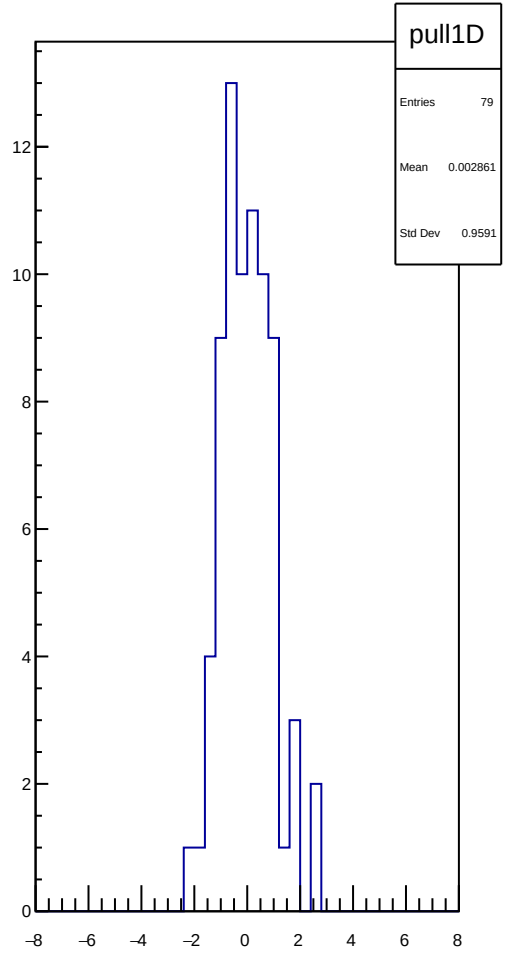

asym_sam_26_48_dd_rms vs run
χ2 / ndf 1.363e+04 / 78
p0 574.6 ± 0.462
750
700
650
600
550
500

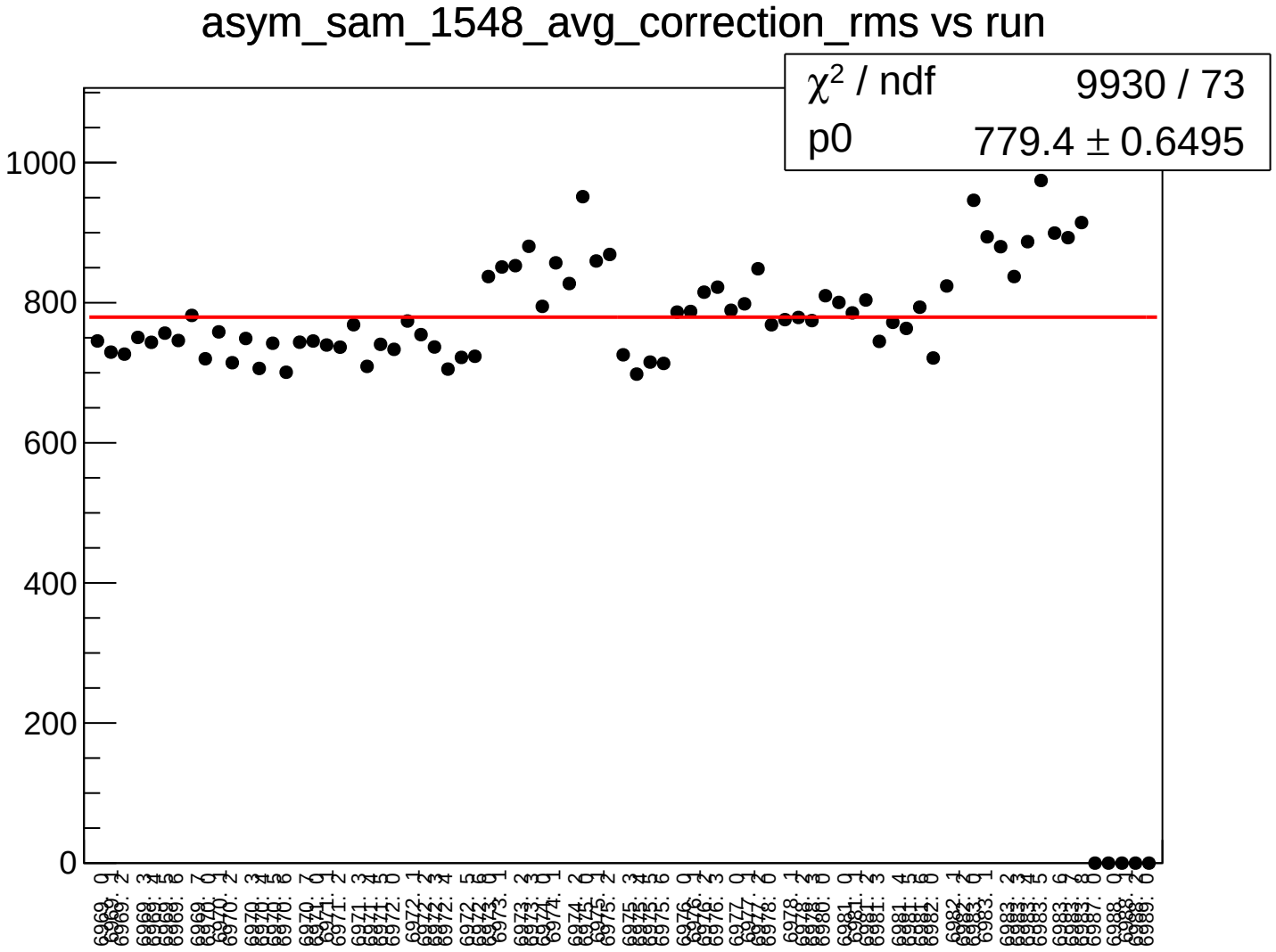

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 90.89 / 78
p0 −20.41 ± 129.7
pull
Entries 79
Mean 88.71
Std Dev 26.7
pull1D
Entries 79
Mean 0.04126
Std Dev 1.072

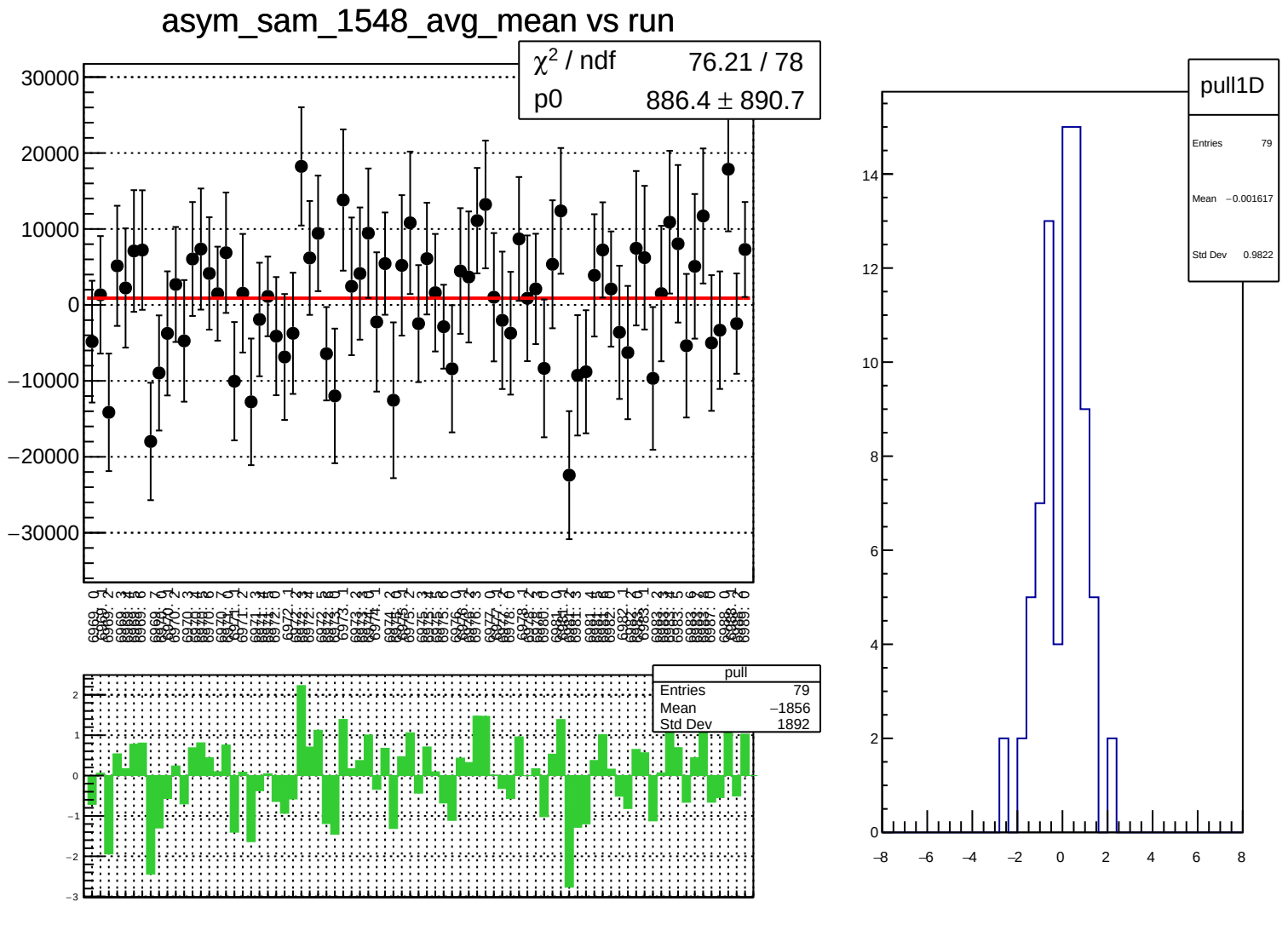
dit_asym_sam_1548_avg_rms vs run

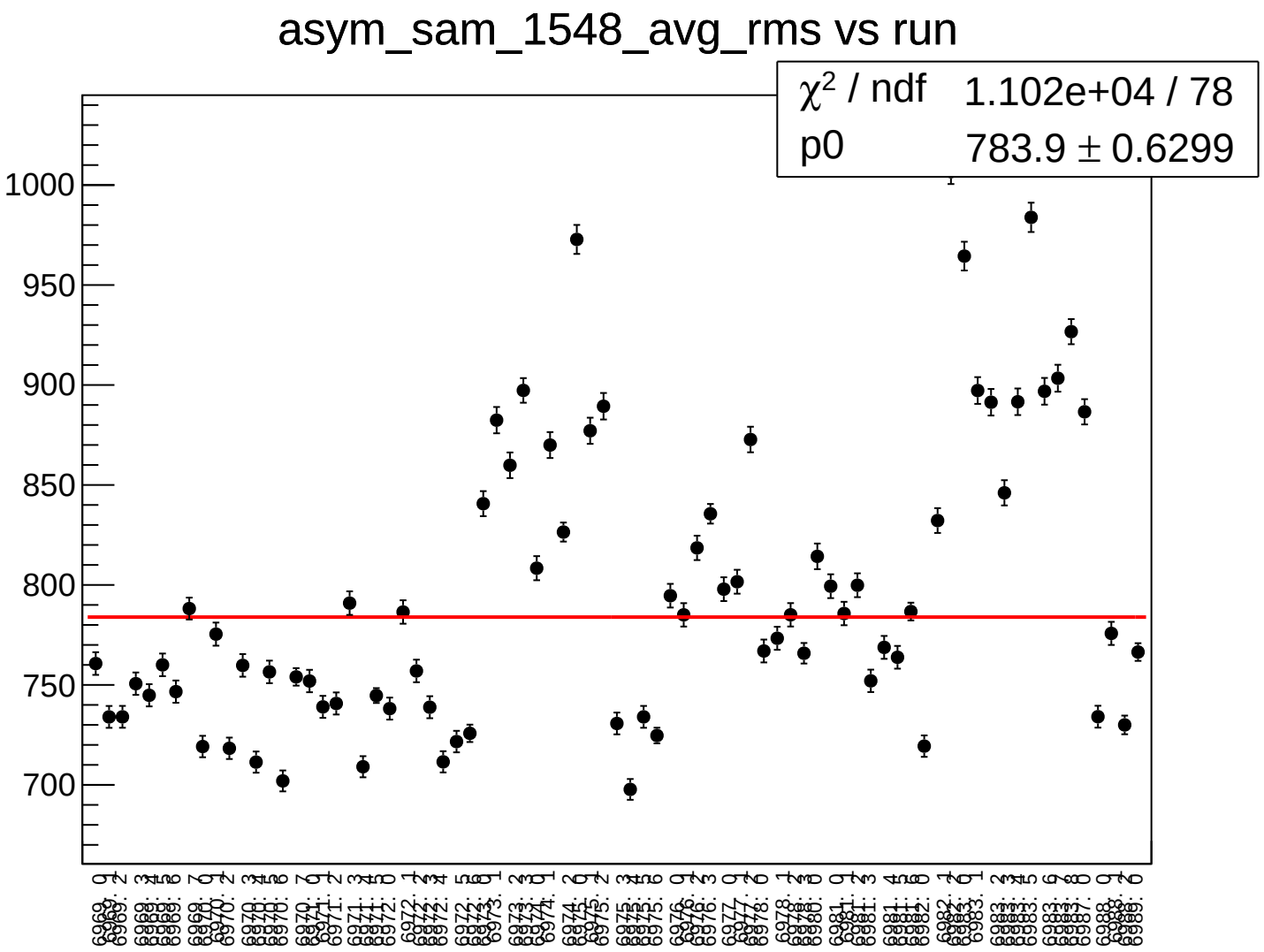


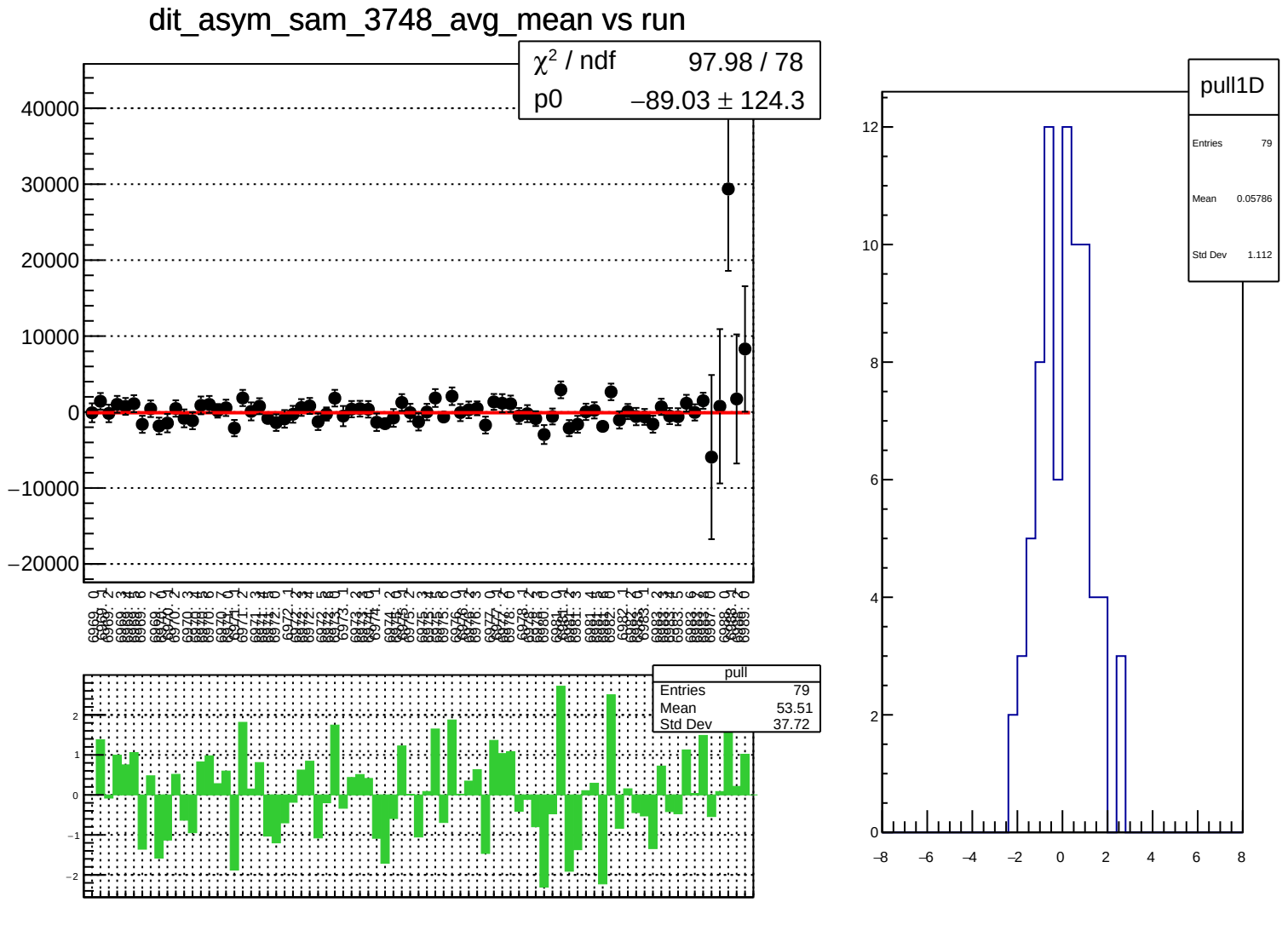

asym_sam_1548_avg_correction_mean vs run
χ^2 / ndf 68.07 / 73
p0 −750 ± 918.6
30000
20000
10000
0
−10000
−20000
−30000


pull1D
Entries 79
Mean 0.002861
Std Dev 0.9591
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

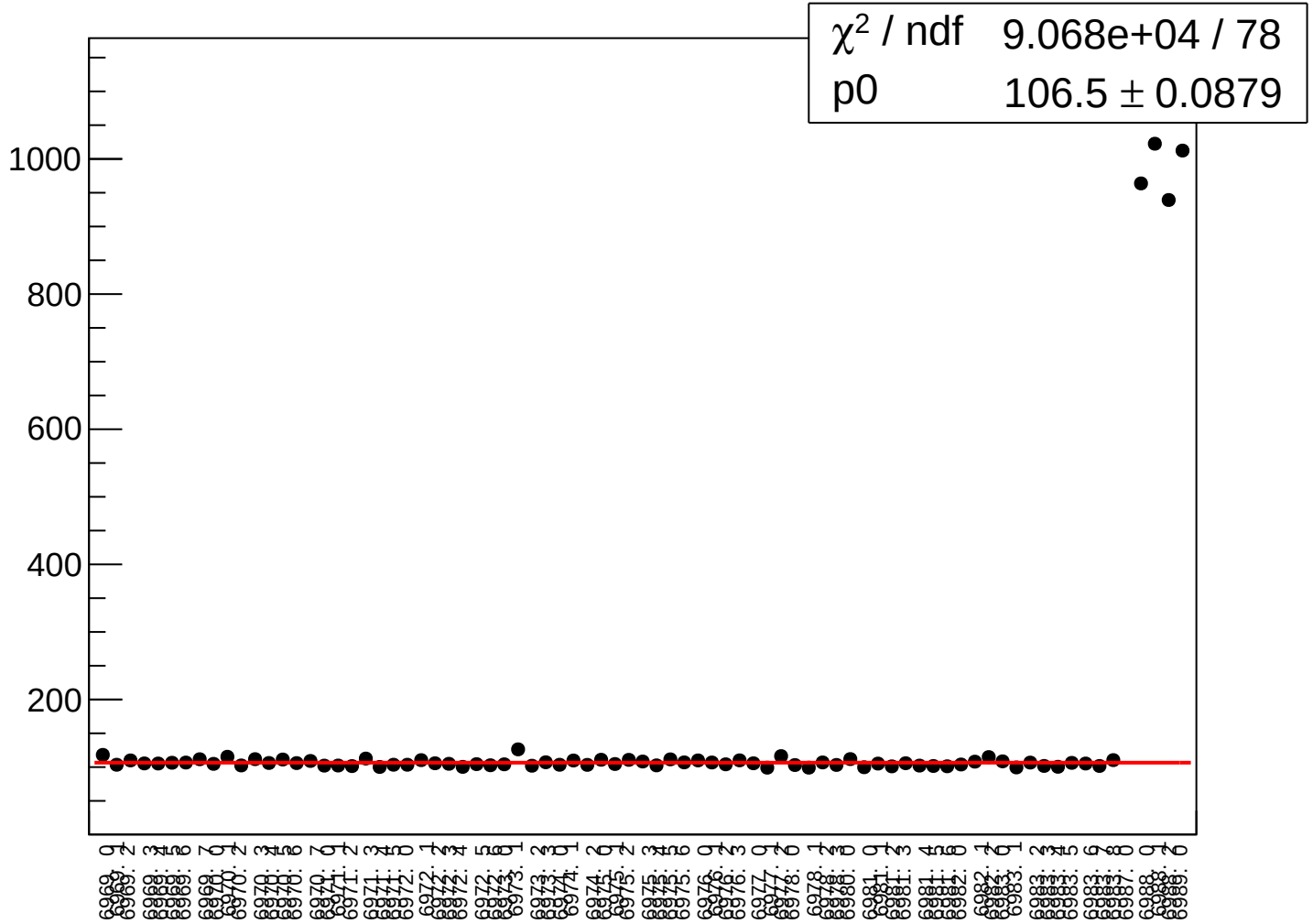

asym_sam_1548_avg_correction_rms vs run
χ^2 / ndf 9930 / 73
p0 779.4 ± 0.6495
1000
800
600
400
200
0

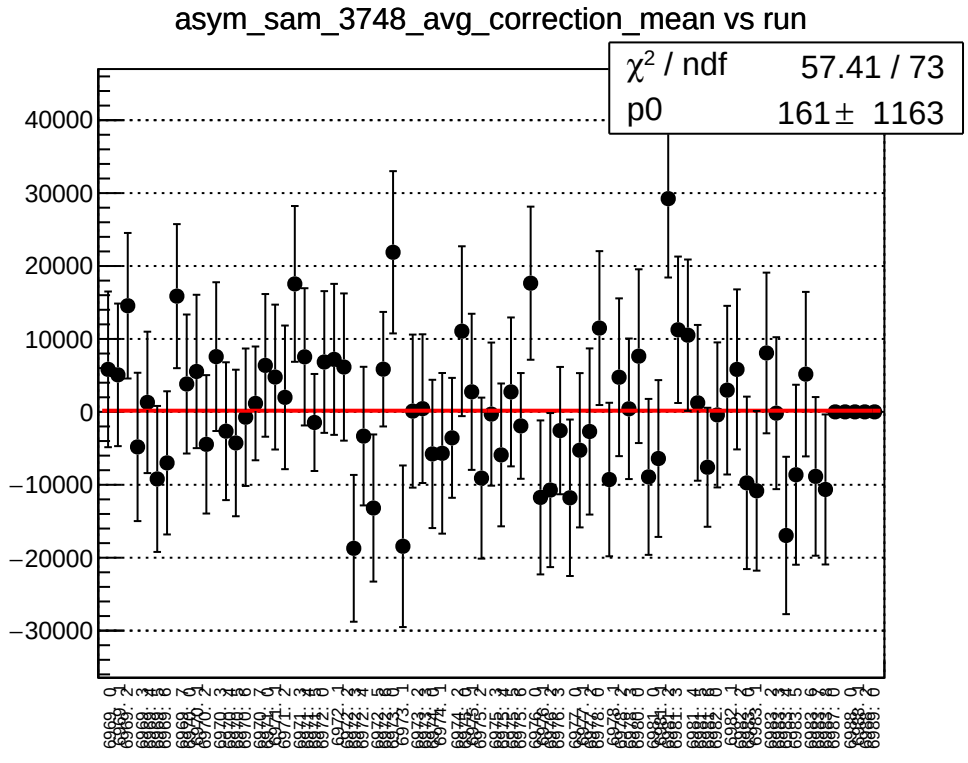

asym_sam_1548_avg_mean vs run
χ² / ndf 76.21 / 78
p0 886.4 ± 890.7
pull
Entries 79
Mean −1856
Std Dev 1892
pull1D
Entries 79
Mean −0.001617
Std Dev 0.9822

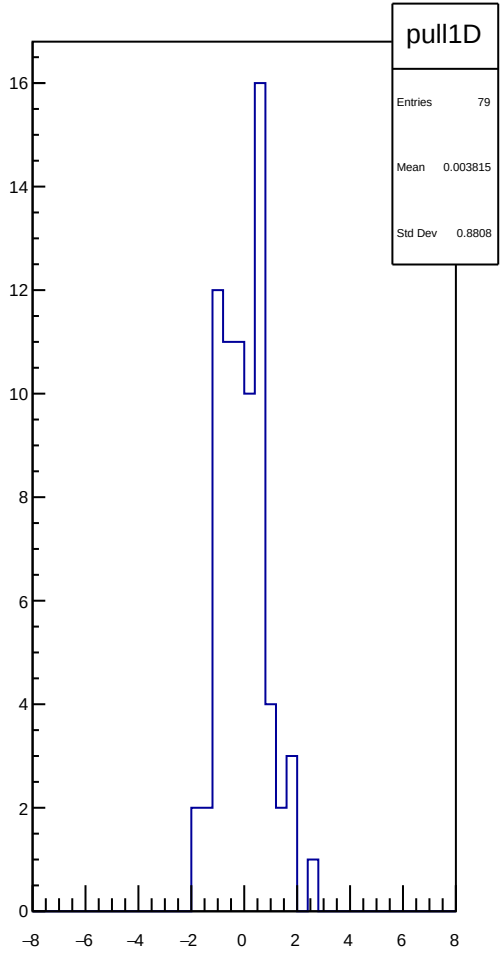

asym_sam_1548_avg_rms vs run
χ² / ndf 1.102e+04 / 78
p0 783.9 ± 0.6299
1000
950
900
850
800
750
700

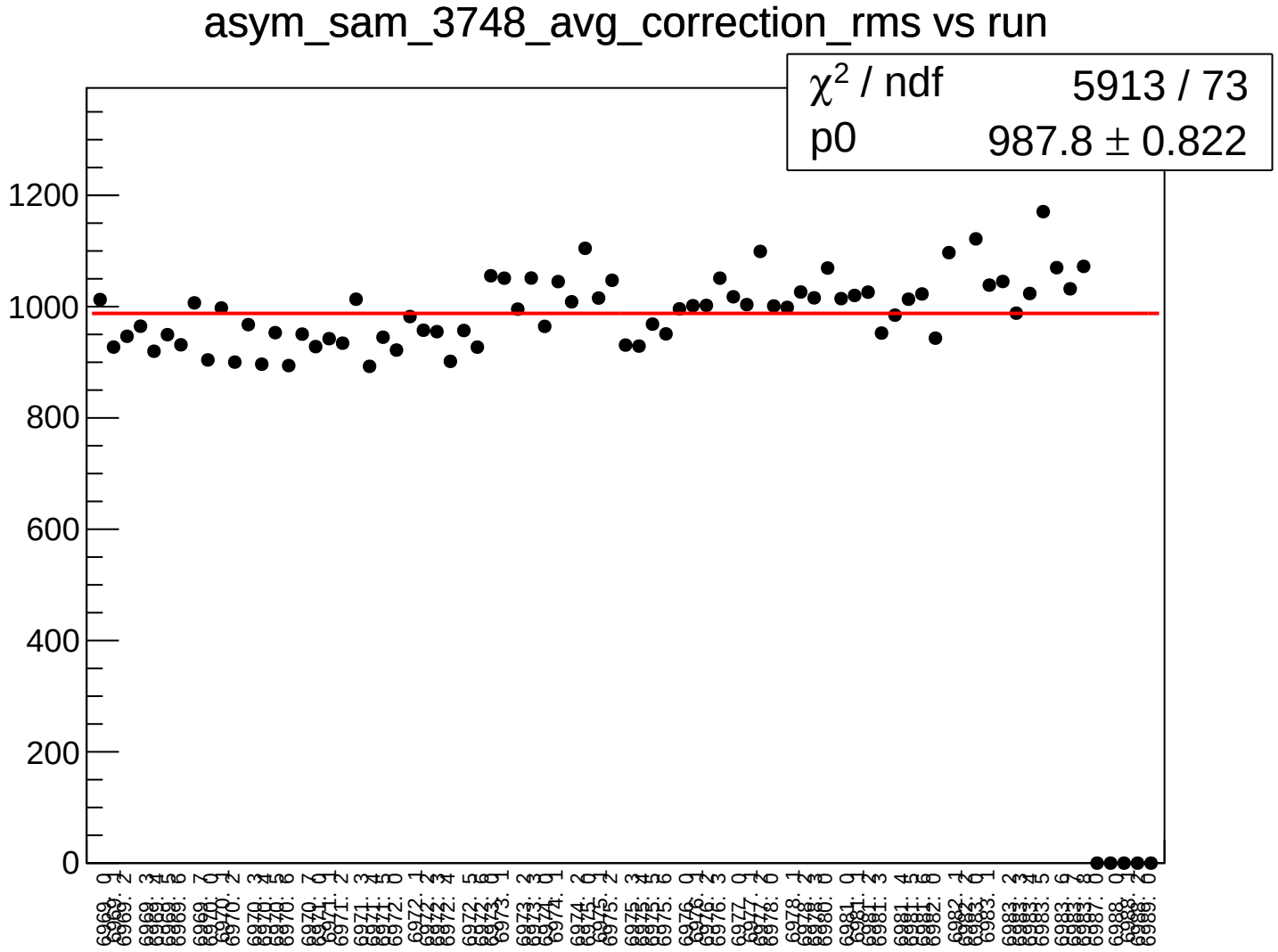

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 97.98 / 78
p0 −89.03 ± 124.3
pull
Entries 79
Mean 53.51
Std Dev 37.72
pull1D
Entries 79
Mean 0.05786
Std Dev 1.112

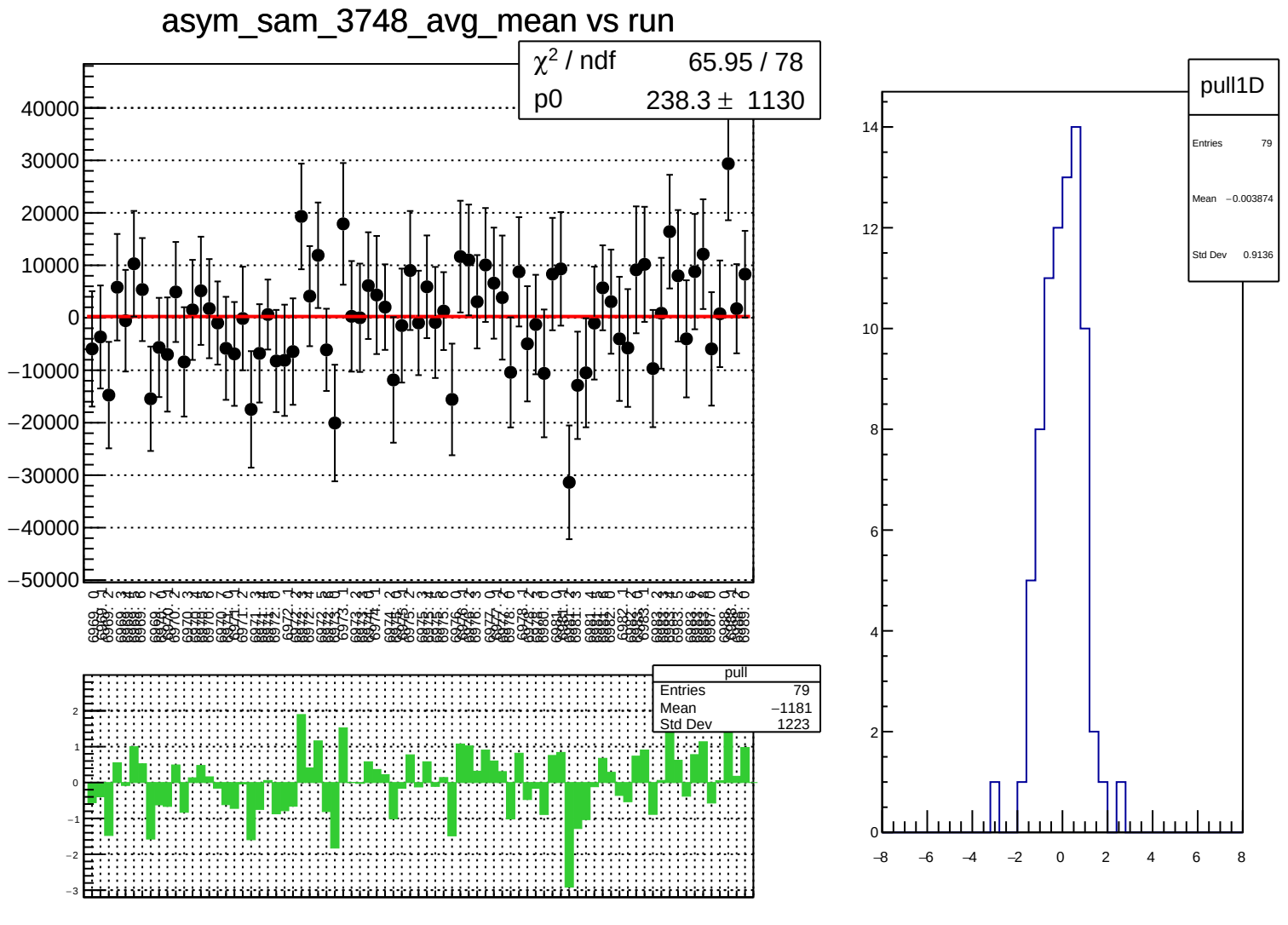
dit_asym_sam_3748_avg_rms vs run

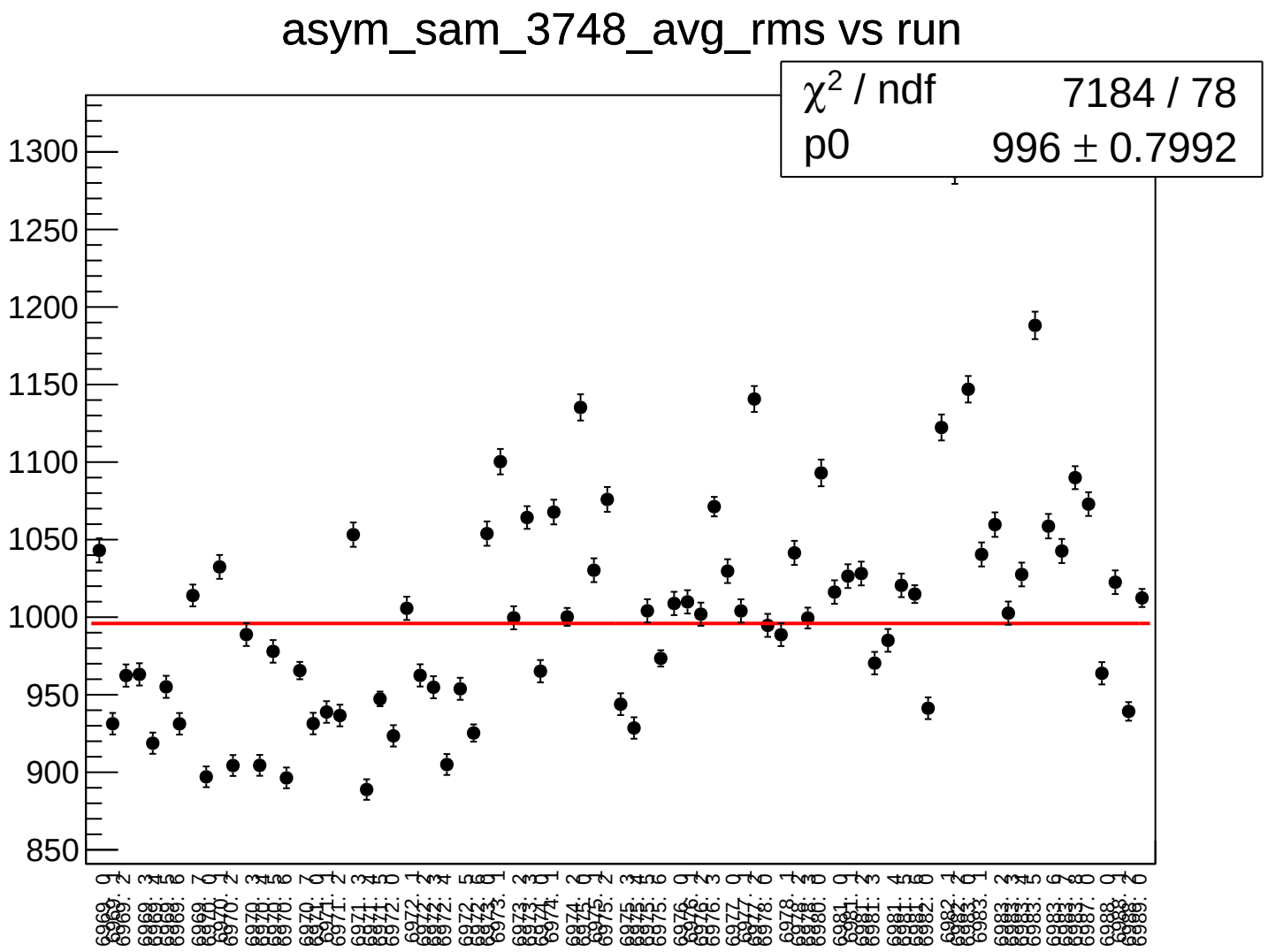


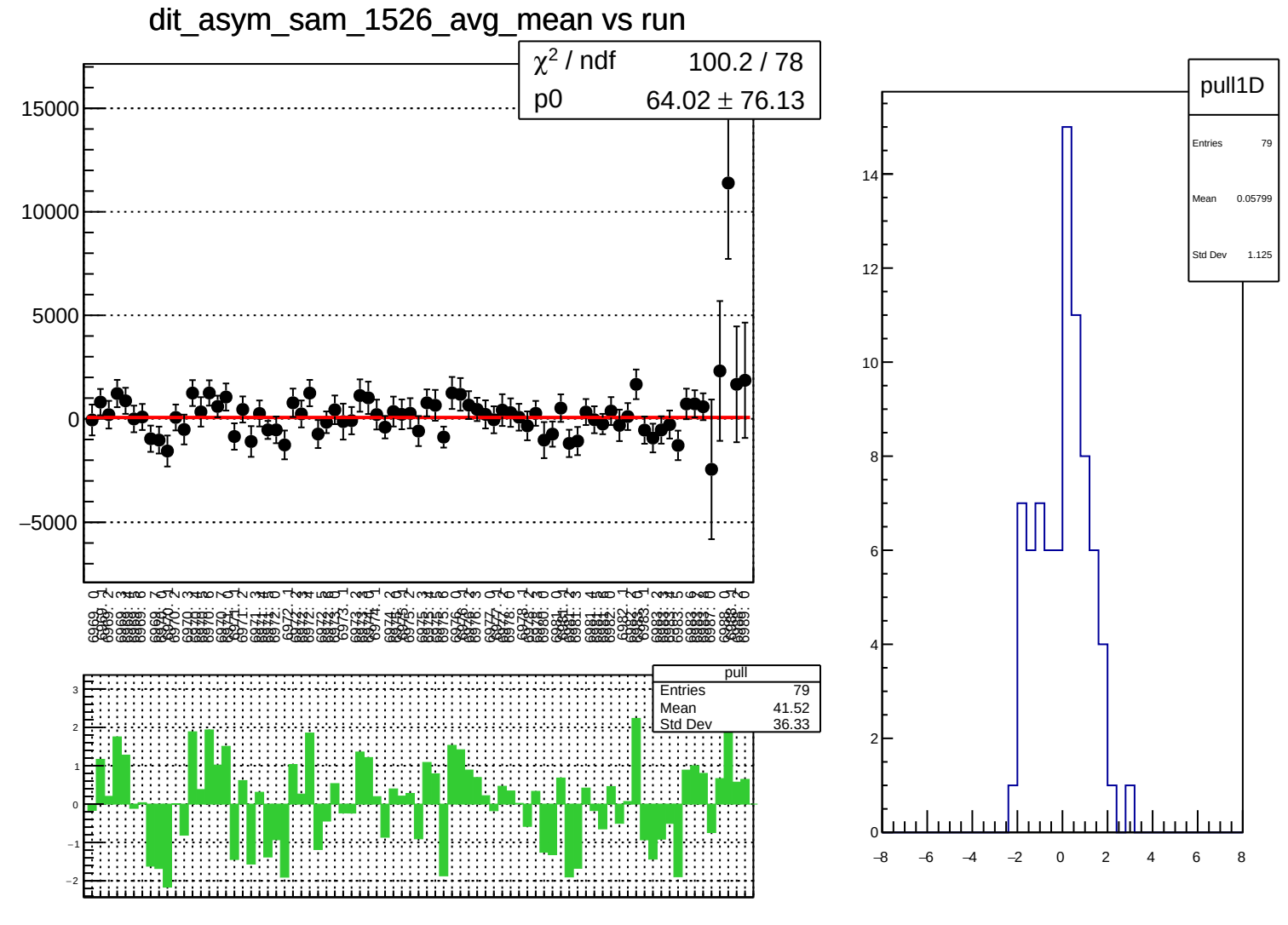

asym_sam_3748_avg_correction_mean vs run
χ² / ndf 57.41 / 73
p0 161 ± 1163
40000
30000
20000
10000
0
−10000
−20000
−30000


pull1D
Entries 79
Mean 0.003815
Std Dev 0.8808
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

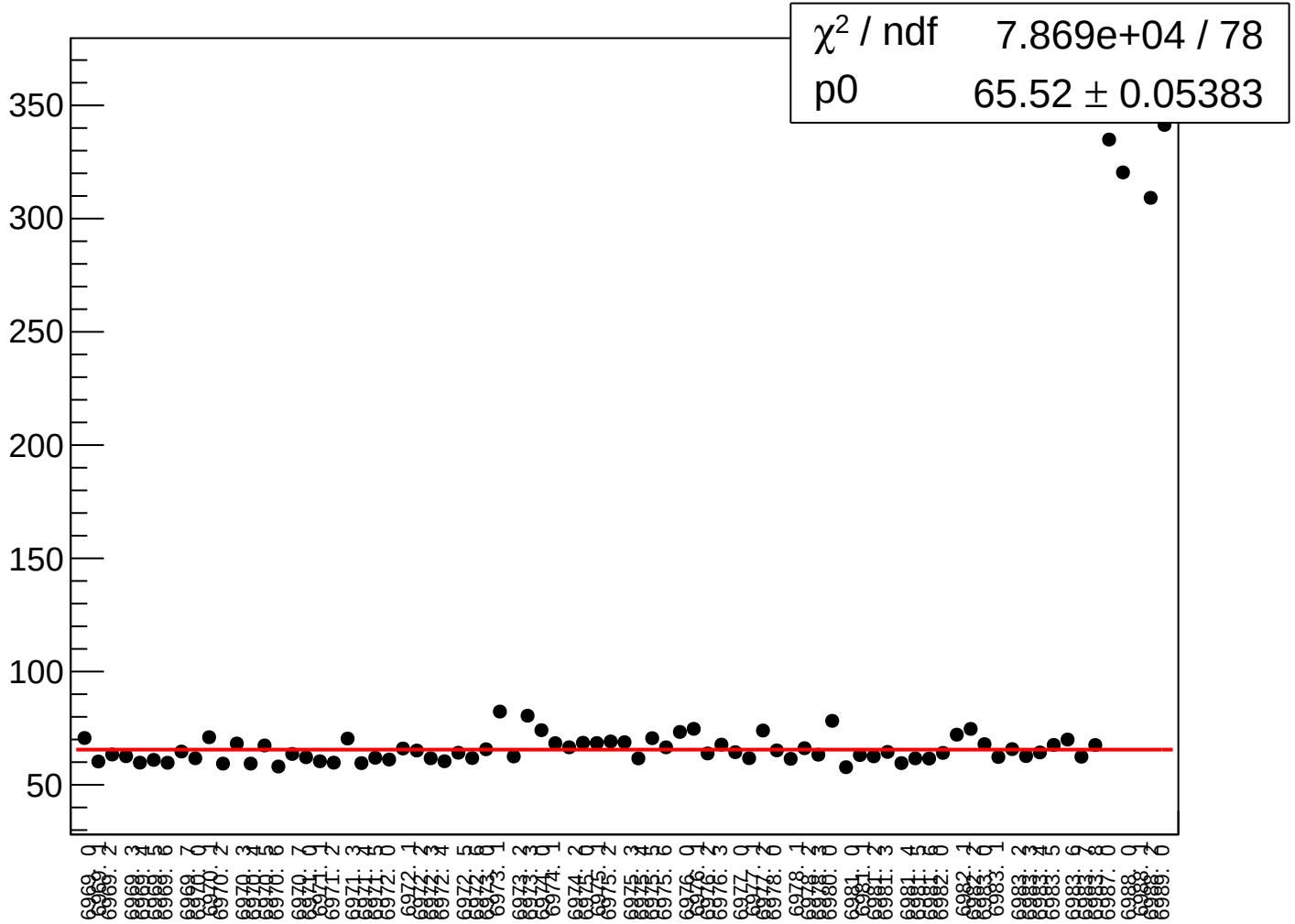

asym_sam_3748_avg_correction_rms vs run
χ² / ndf 5913 / 73
p0 987.8 ± 0.822
1200
1000
800
600
400
200
0

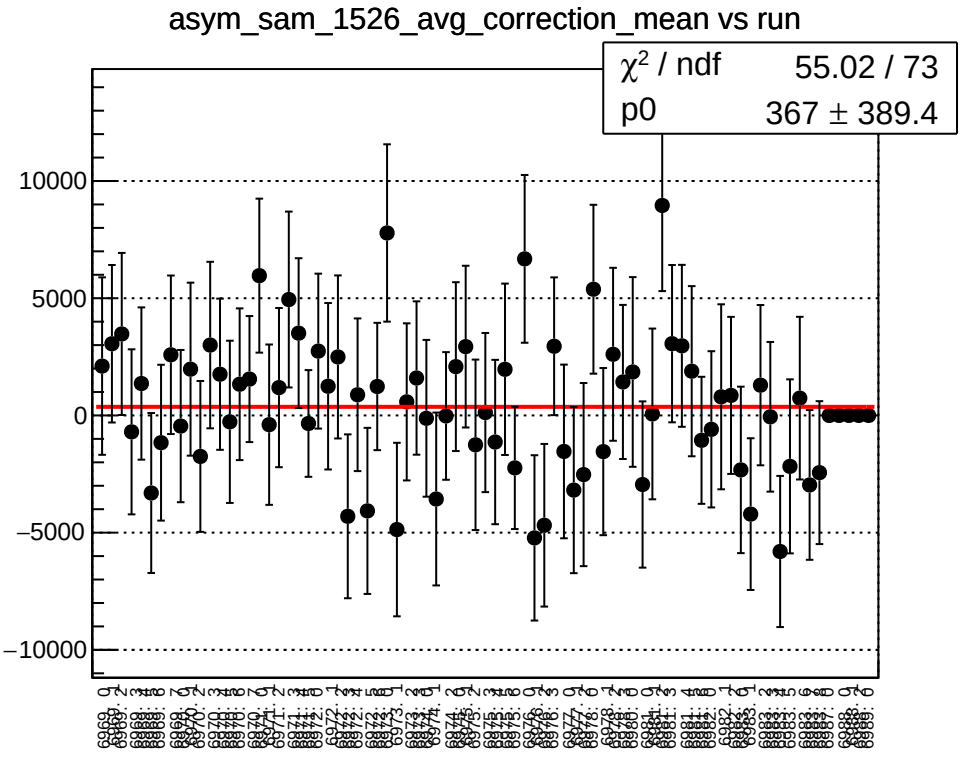

asym_sam_3748_avg_mean vs run
χ² / ndf 65.95 / 78
p0 238.3 ± 1130
pull
Entries 79
Mean −1181
Std Dev 1223
pull1D
Entries 79
Mean −0.003874
Std Dev 0.9136

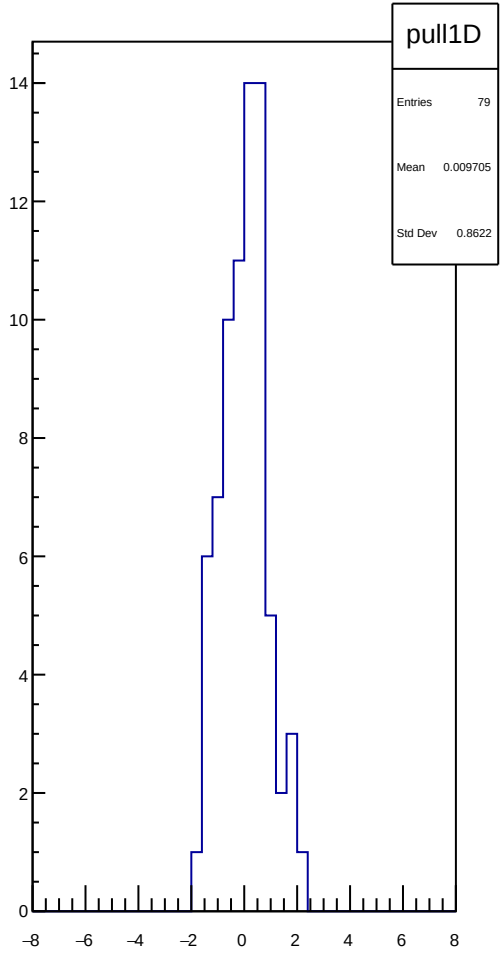

asym_sam_3748_avg_rms vs run
χ² / ndf 7184 / 78
p0 996 ± 0.7992
1300
1250
1200
1150
1100
1050
1000
950
900
850

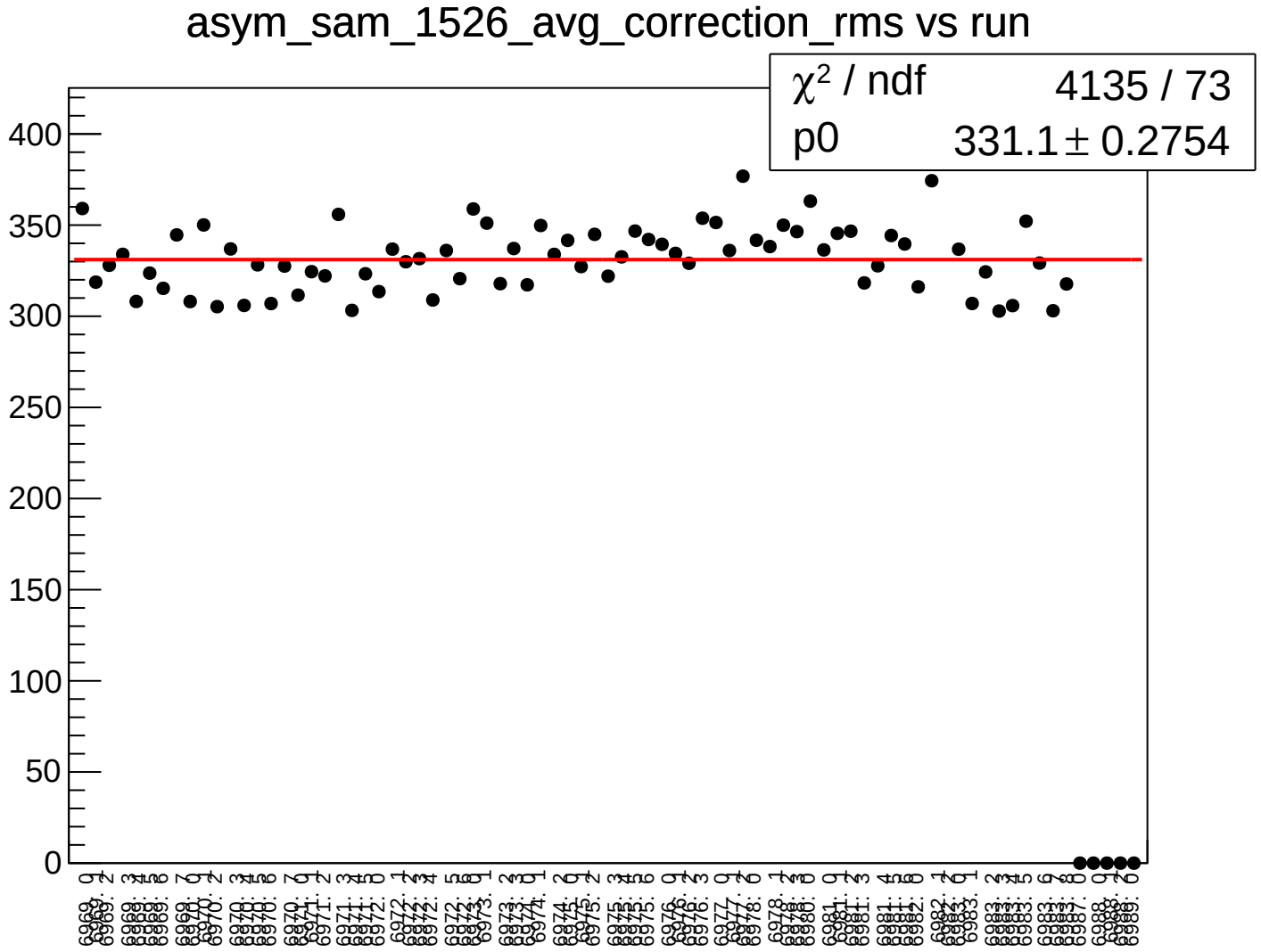

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 100.2 / 78
p0 64.02 ± 76.13
15000
10000
5000
0
−5000
pull
Entries 79
Mean 41.52
Std Dev 36.33
pull1D
Entries 79
Mean 0.05799
Std Dev 1.125

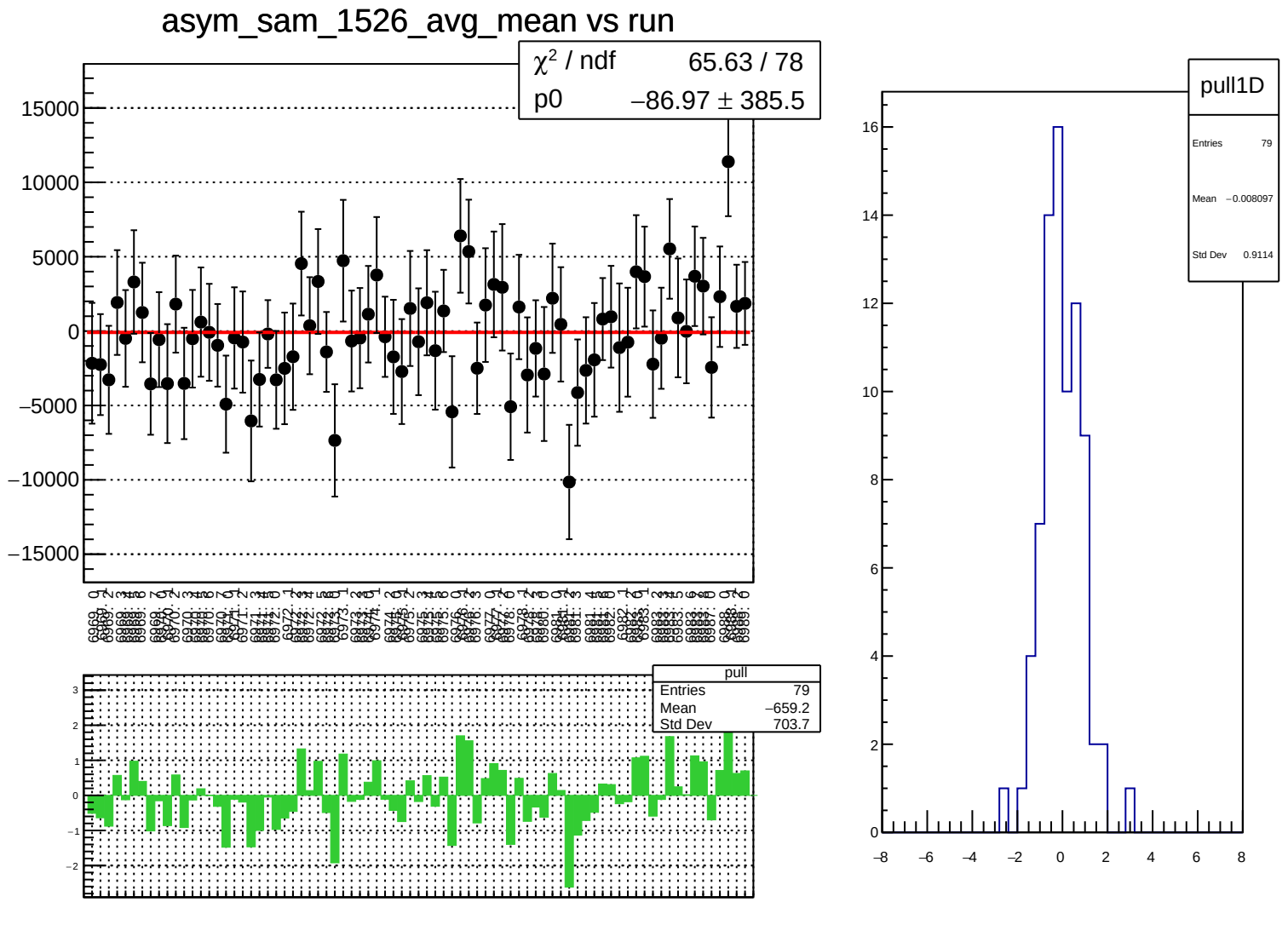
dit_asym_sam_1526_avg_rms vs run

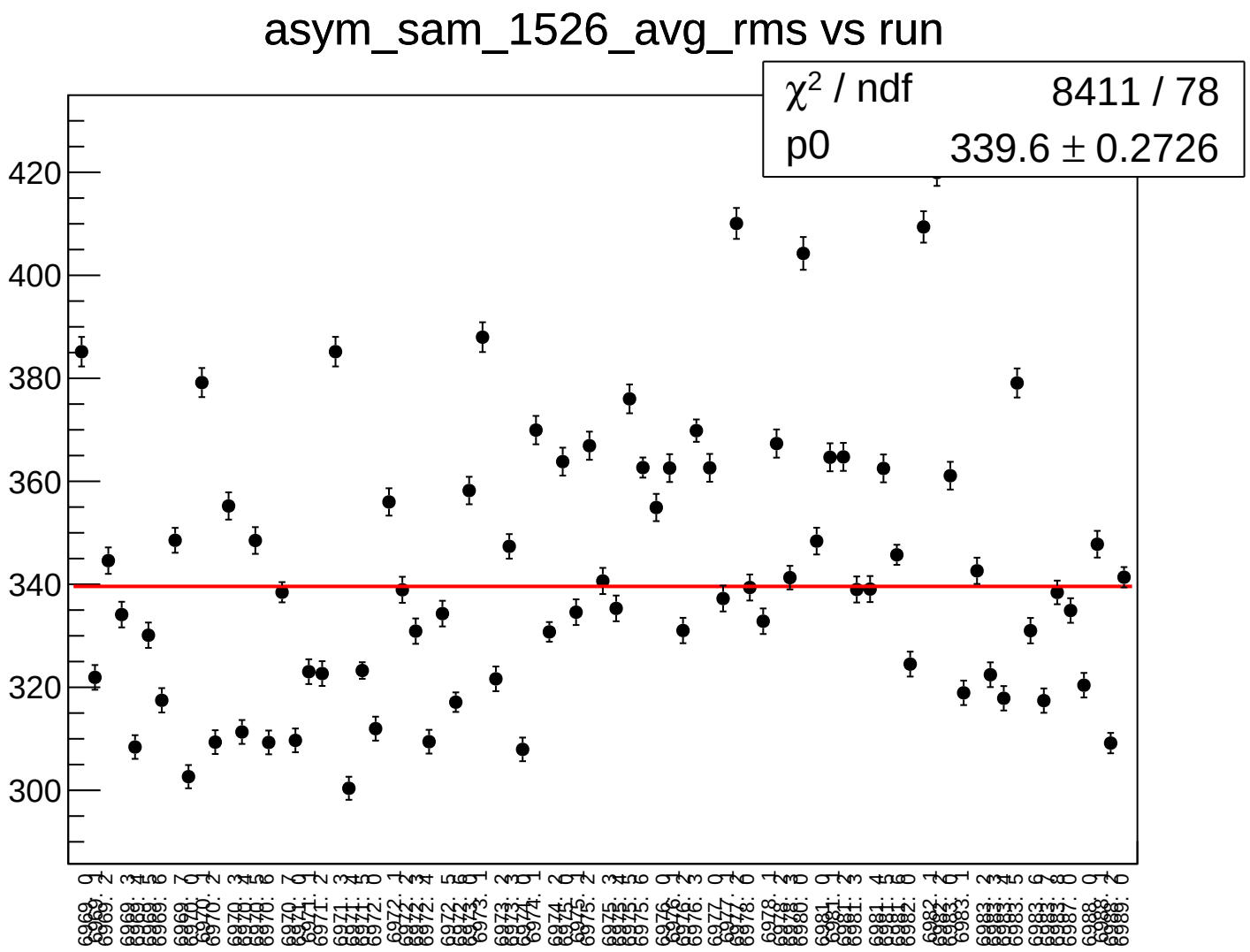


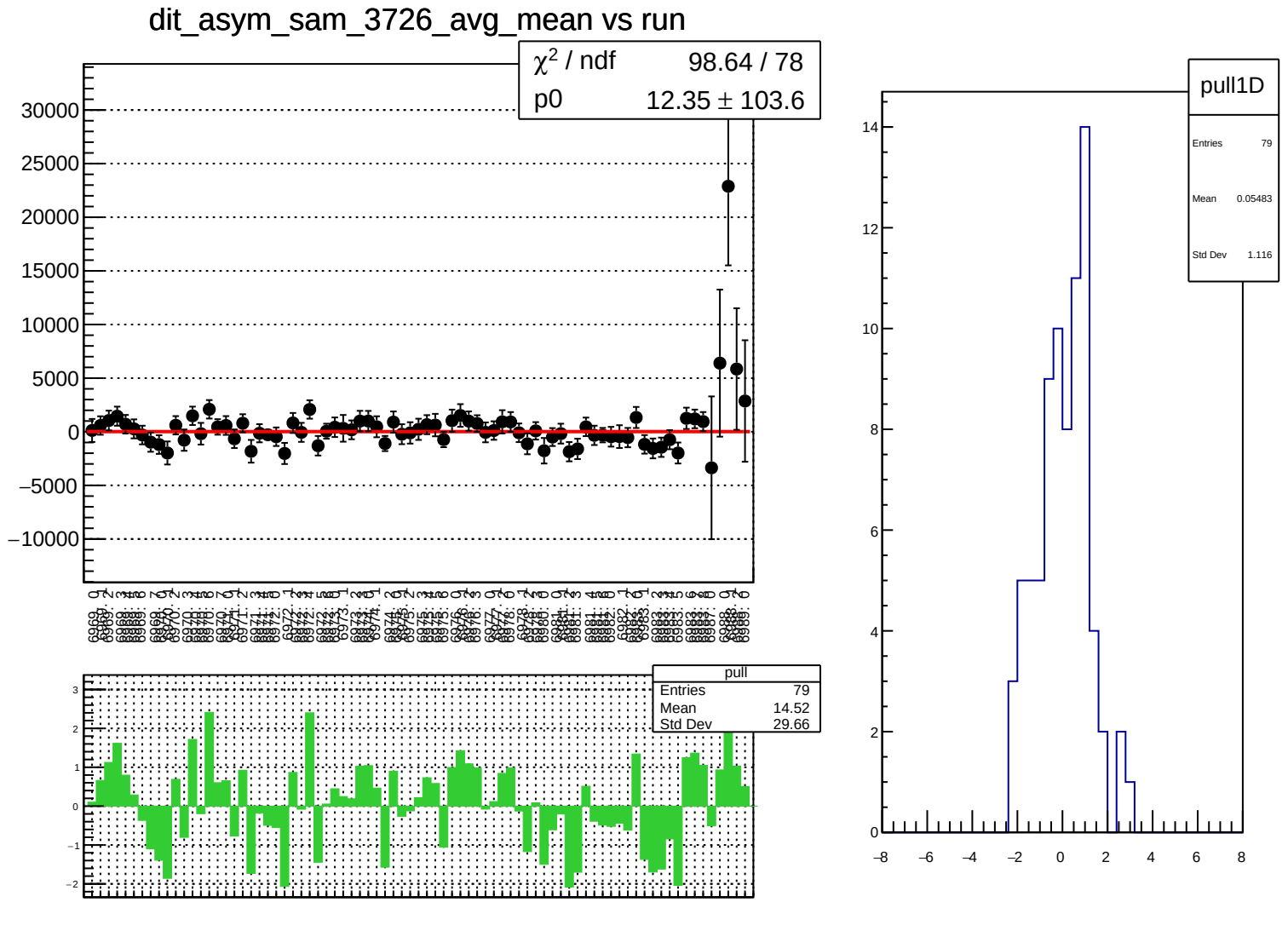

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 55.02 / 73
p0 367 ± 389.4
10000
5000
0
−5000
−10000


pull1D
Entries 79
Mean 0.009705
Std Dev 0.8622
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

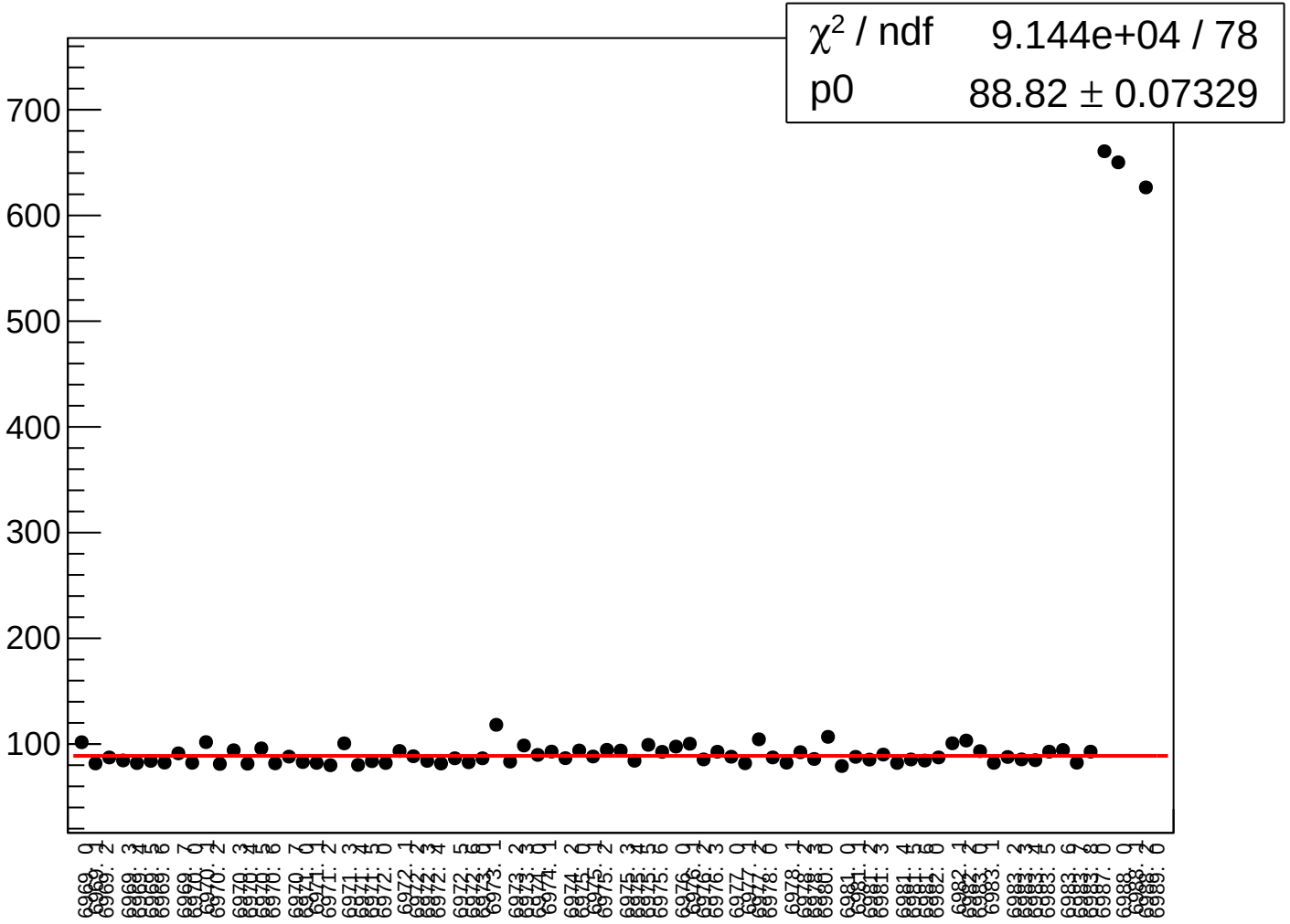

asym_sam_1526_avg_correction_rms vs run
χ² / ndf 4135 / 73
p0 331.1 ± 0.2754
400
350
300
250
200
150
100
50
0

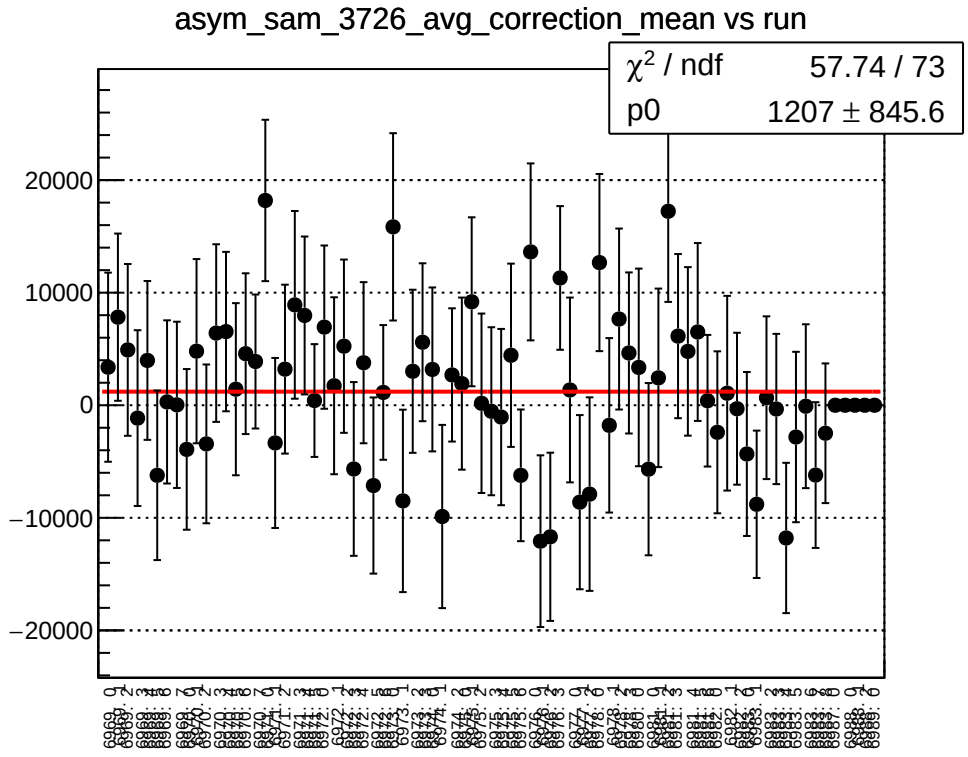

asym_sam_1526_avg_mean vs run
χ² / ndf 65.63 / 78
p0 −86.97 ± 385.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 79
Mean −659.2
Std Dev 703.7
3
2
1
0
−1
−2
pull1D
Entries 79
Mean −0.008097
Std Dev 0.9114
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

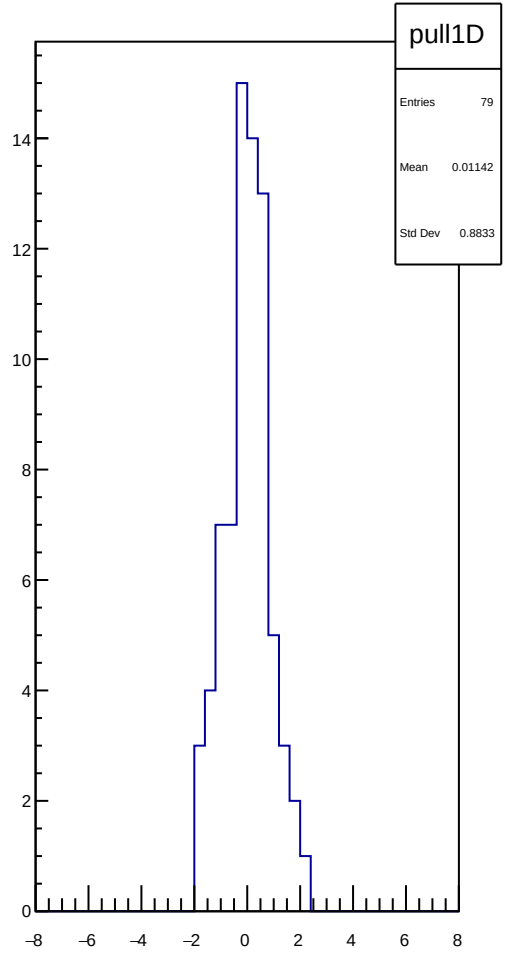

asym_sam_1526_avg_rms vs run
χ^2 / ndf 8411 / 78
p0 339.6 ± 0.2726
420
400
380
360
340
320
300

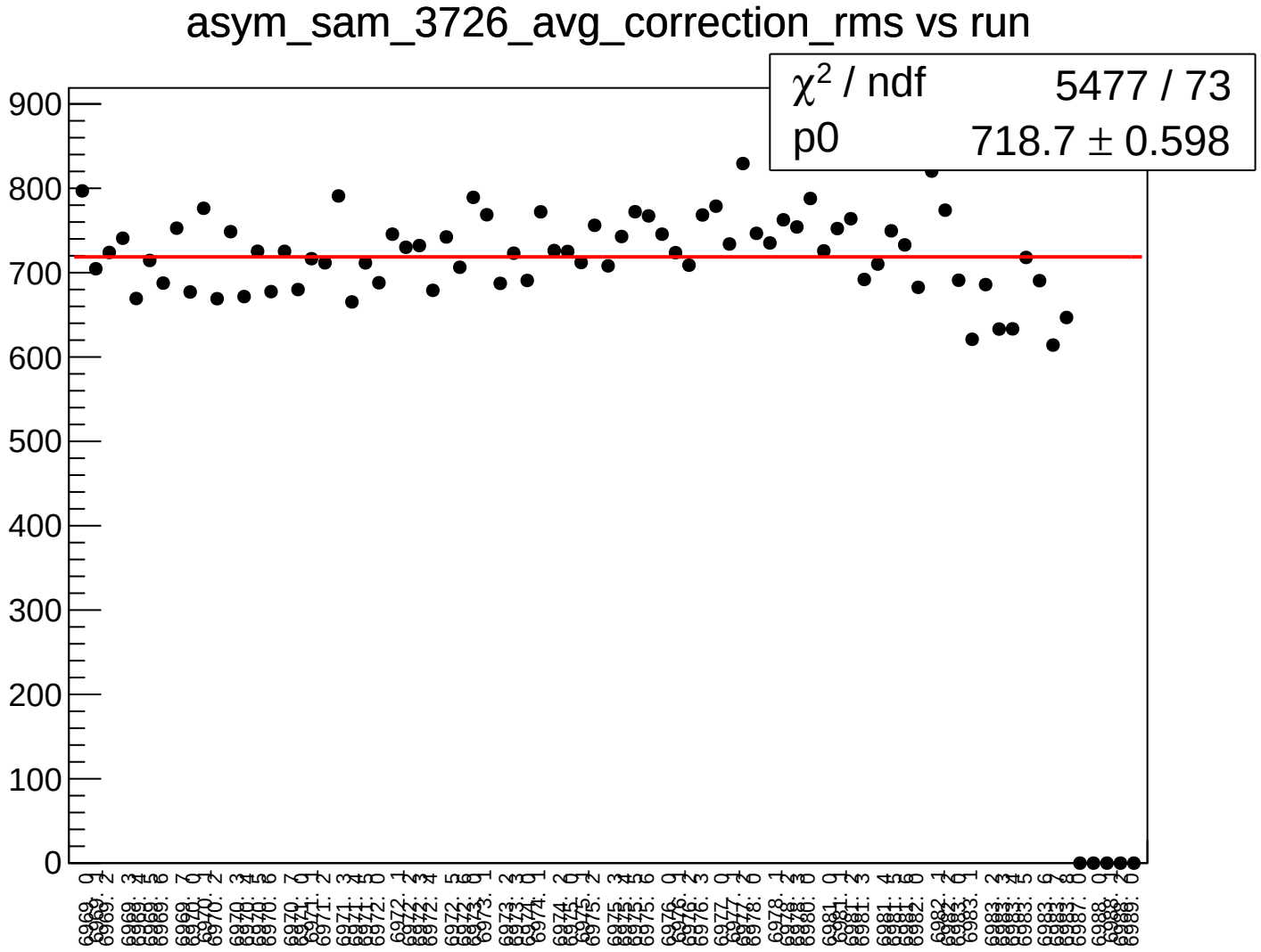

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 98.64 / 78
p0 12.35 ± 103.6
pull
Entries 79
Mean 14.52
Std Dev 29.66
pull1D
Entries 79
Mean 0.05483
Std Dev 1.116

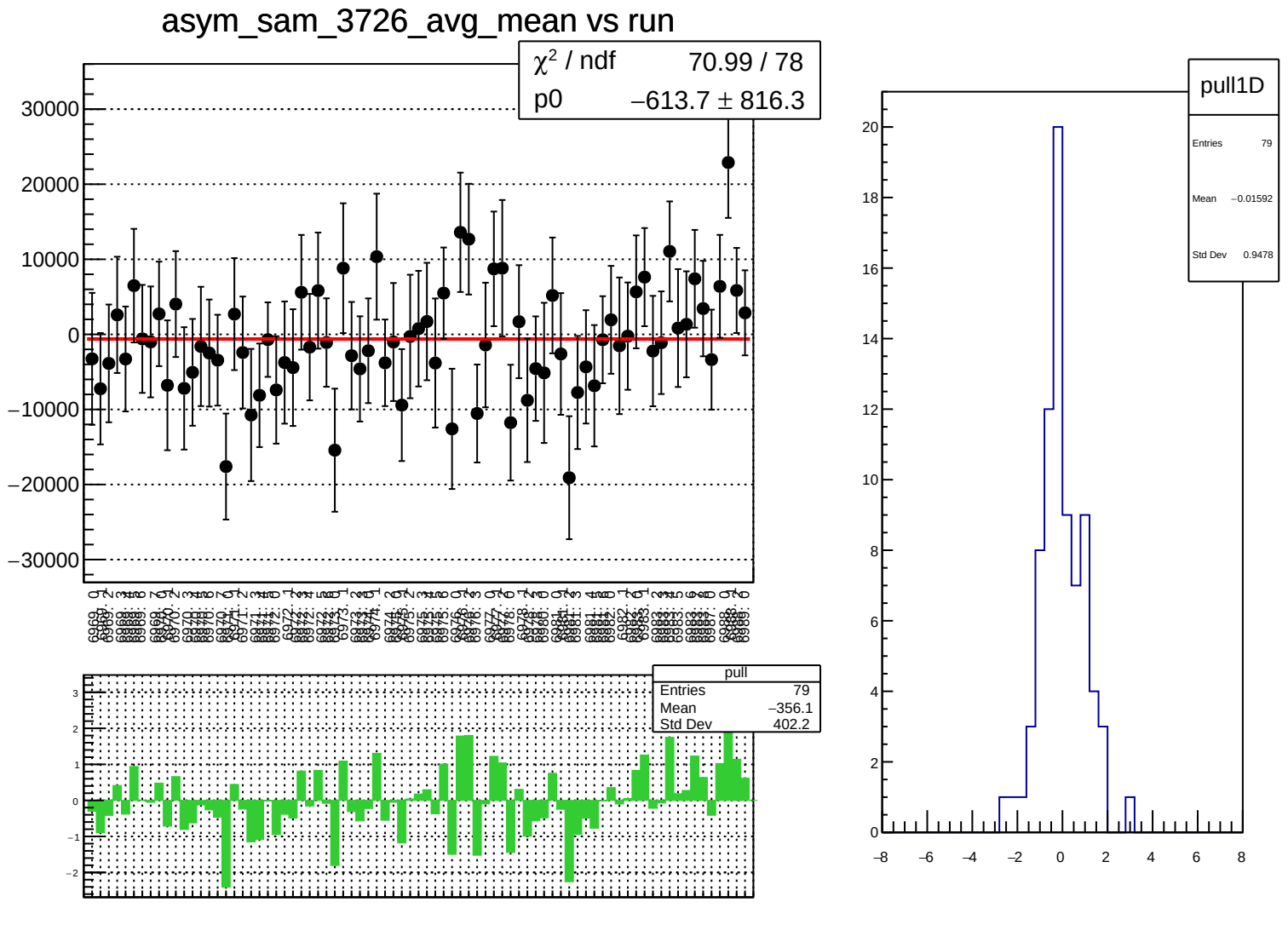
dit_asym_sam_3726_avg_rms vs run

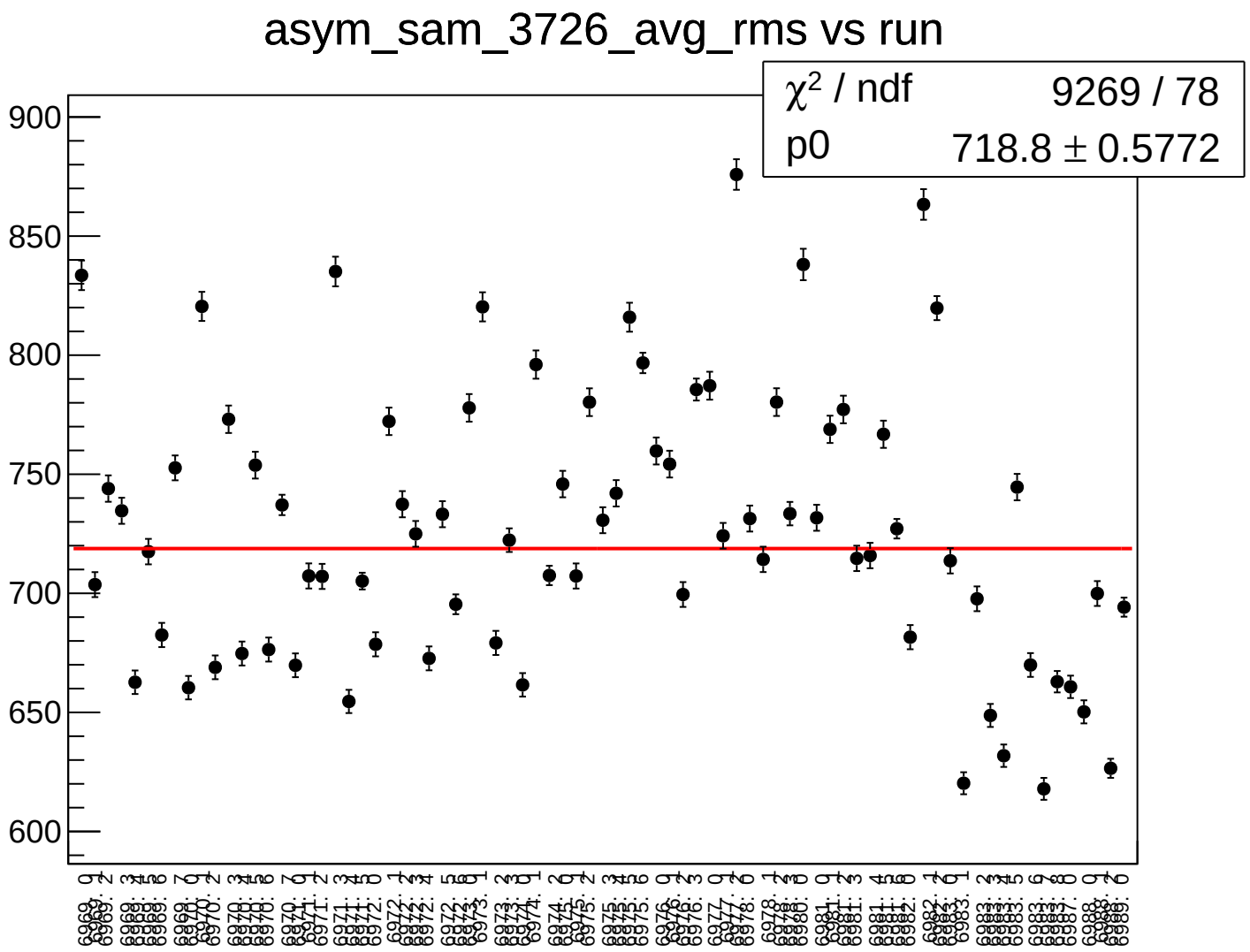


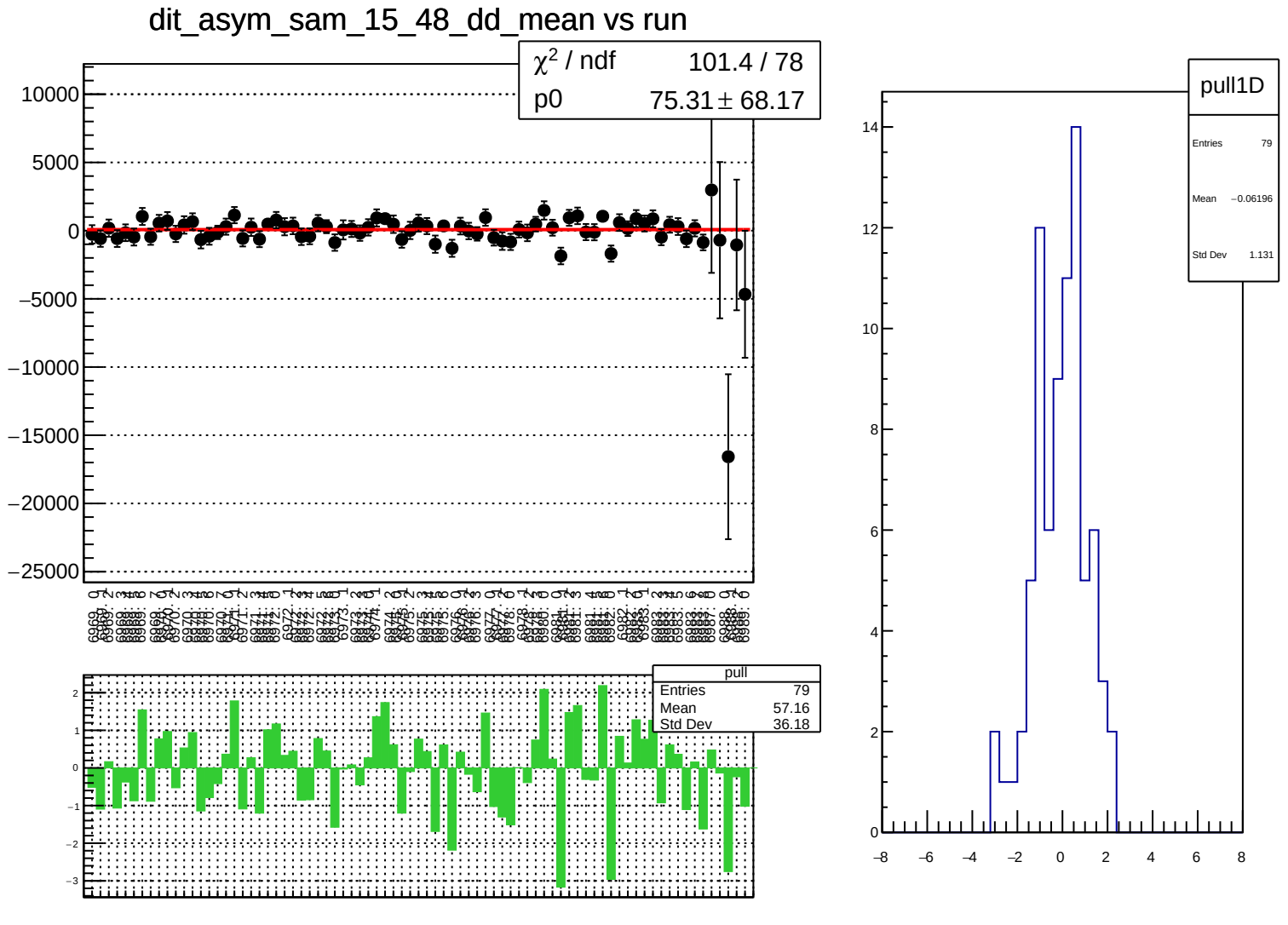

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 57.74 / 73
p0 1207 ± 845.6
20000
10000
0
−10000
−20000


pull1D
Entries 79
Mean 0.01142
Std Dev 0.8833
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

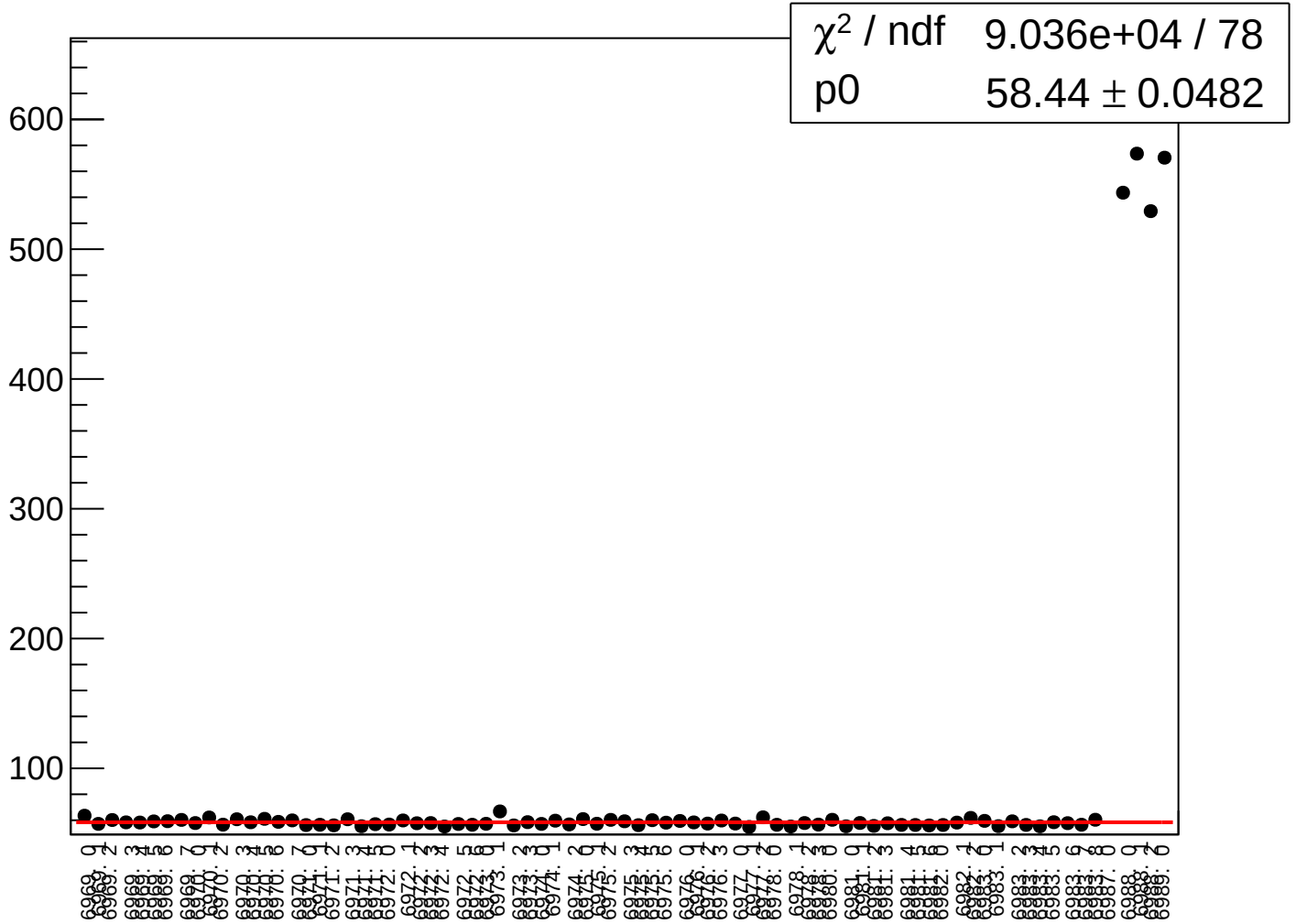

asym_sam_3726_avg_correction_rms vs run
χ^2 / ndf 5477 / 73
p0 718.7 ± 0.598
900
800
700
600
500
400
300
200
100
0

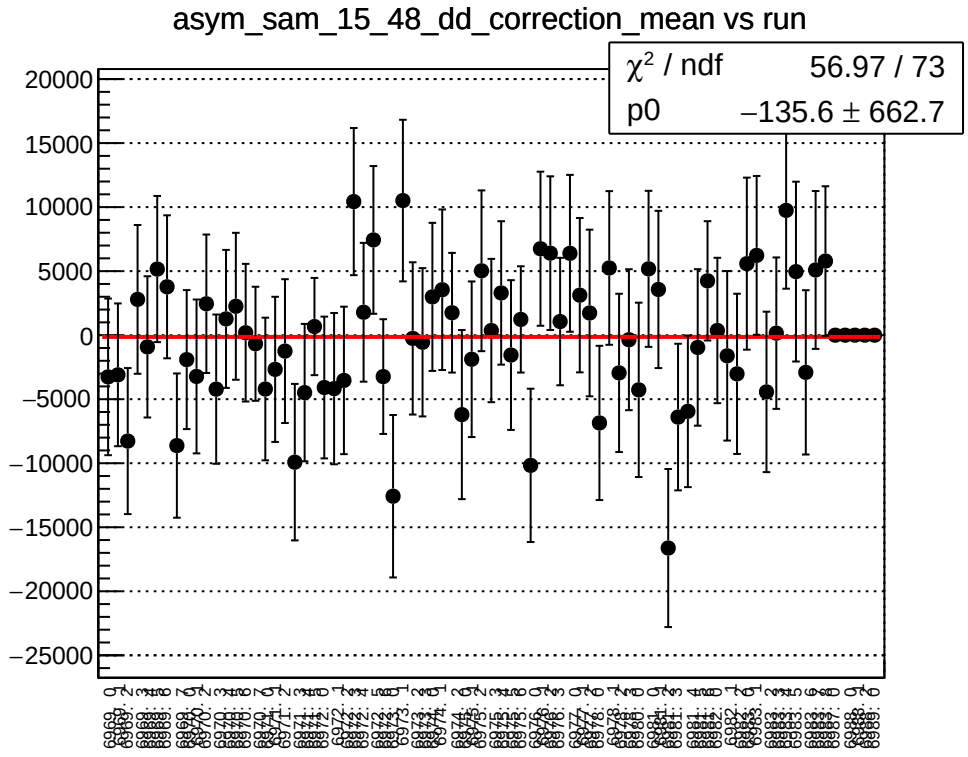

asym_sam_3726_avg_mean vs run
χ² / ndf 70.99 / 78
p0 −613.7 ± 816.3
pull
Entries 79
Mean −356.1
Std Dev 402.2
pull1D
Entries 79
Mean −0.01592
Std Dev 0.9478

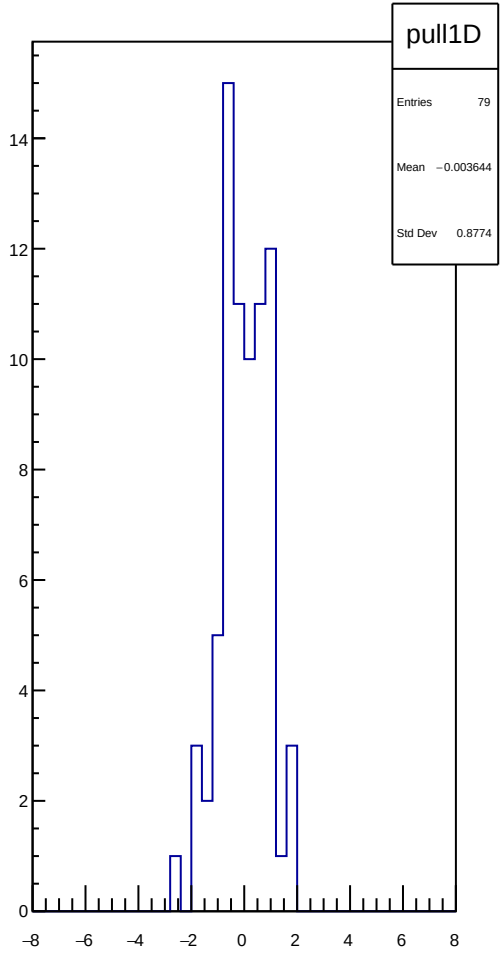

asym_sam_3726_avg_rms vs run
χ^2 / ndf 9269 / 78
p0 718.8 ± 0.5772
900
850
800
750
700
650
600

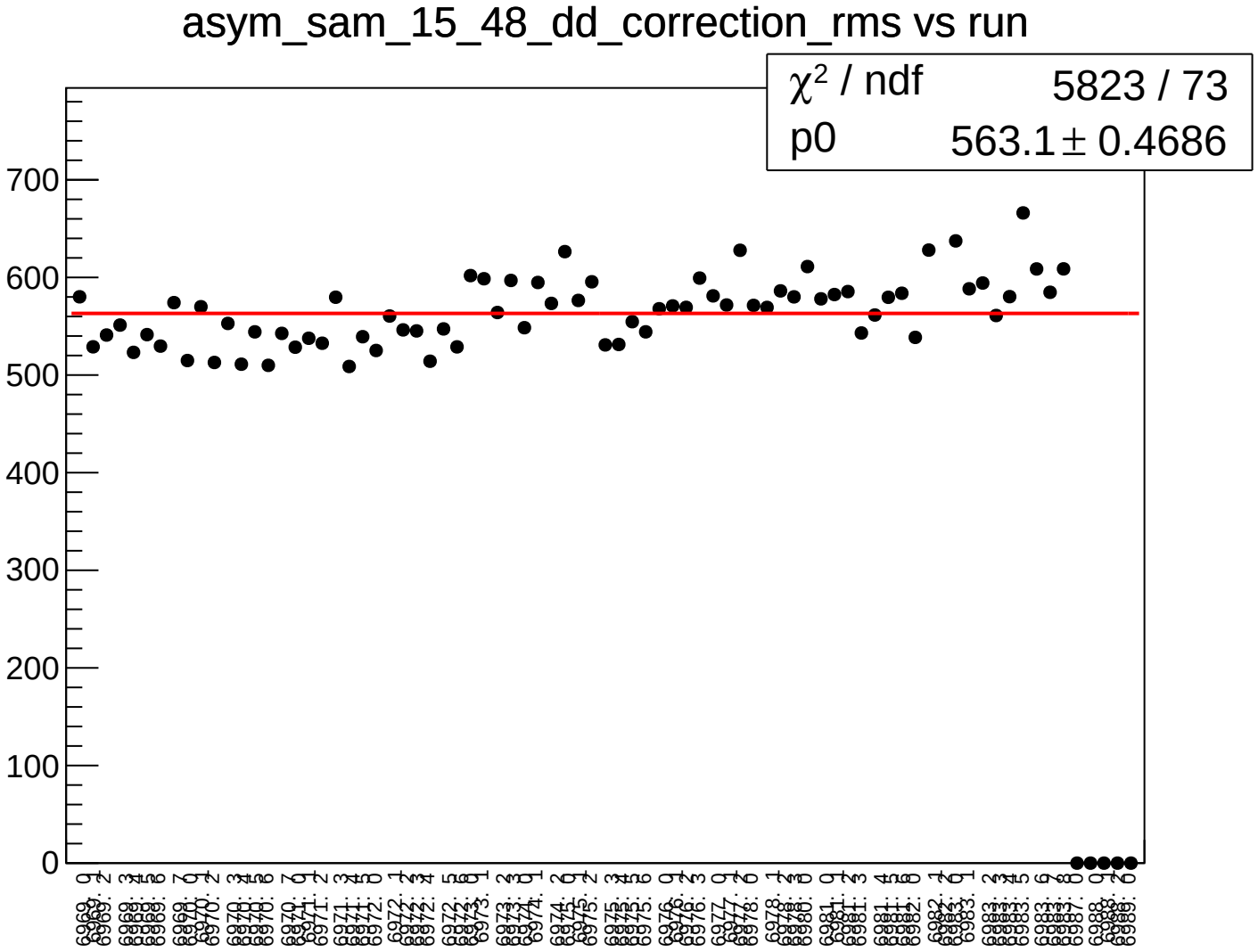

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 101.4 / 78
p0 75.31 ± 68.17
pull
Entries 79
Mean 57.16
Std Dev 36.18
pull1D
Entries 79
Mean −0.06196
Std Dev 1.131

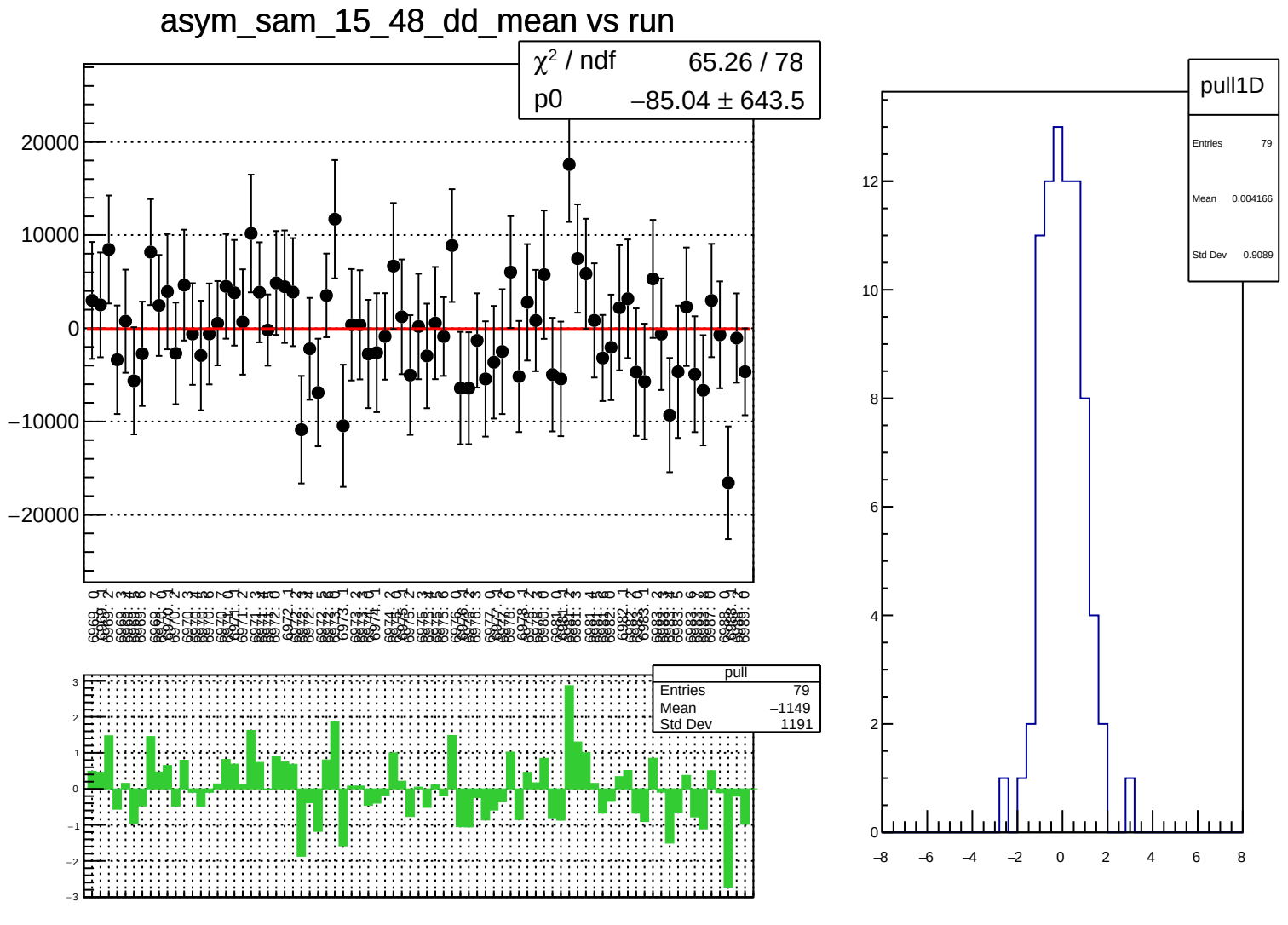
dit_asym_sam_15_48_dd_rms vs run

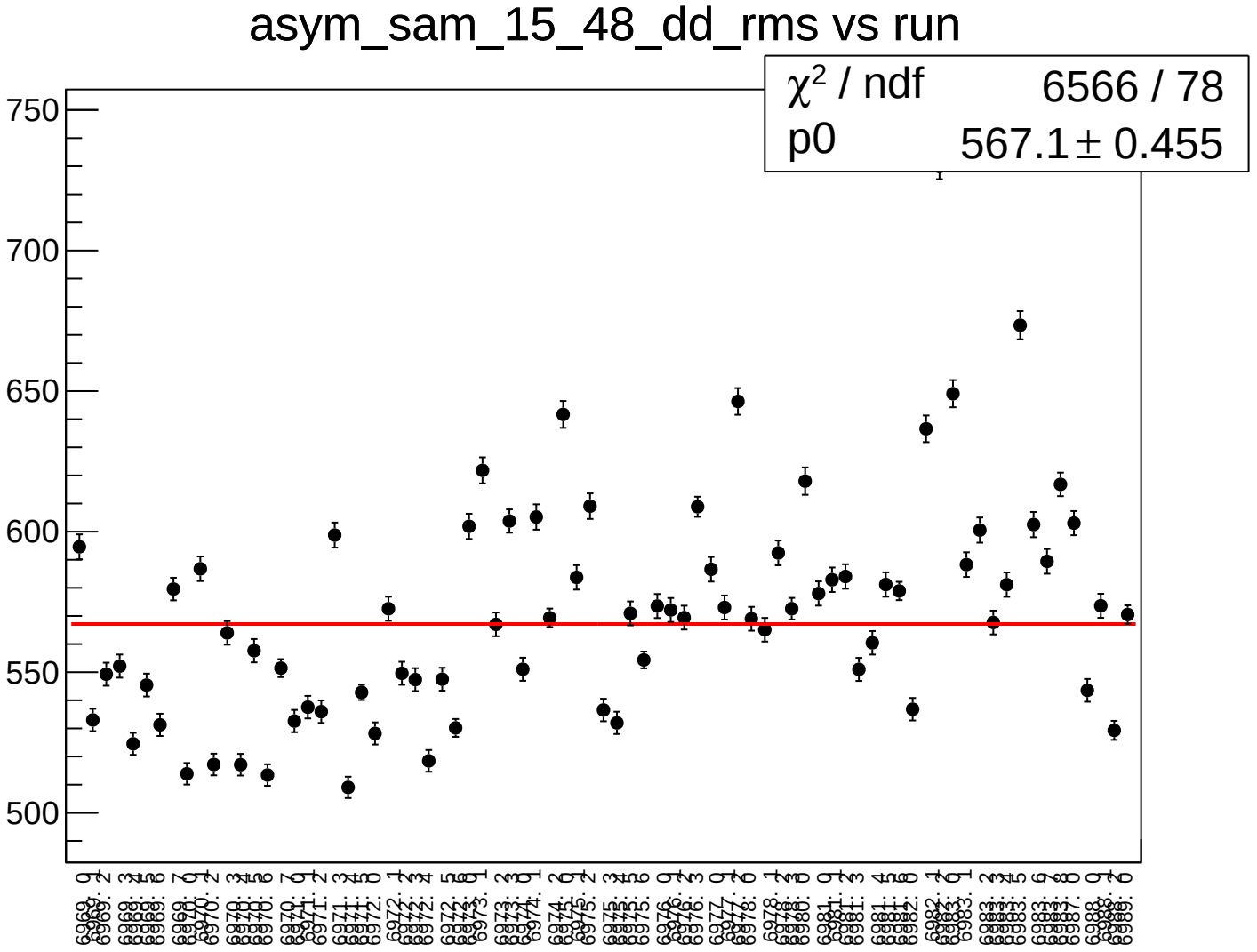


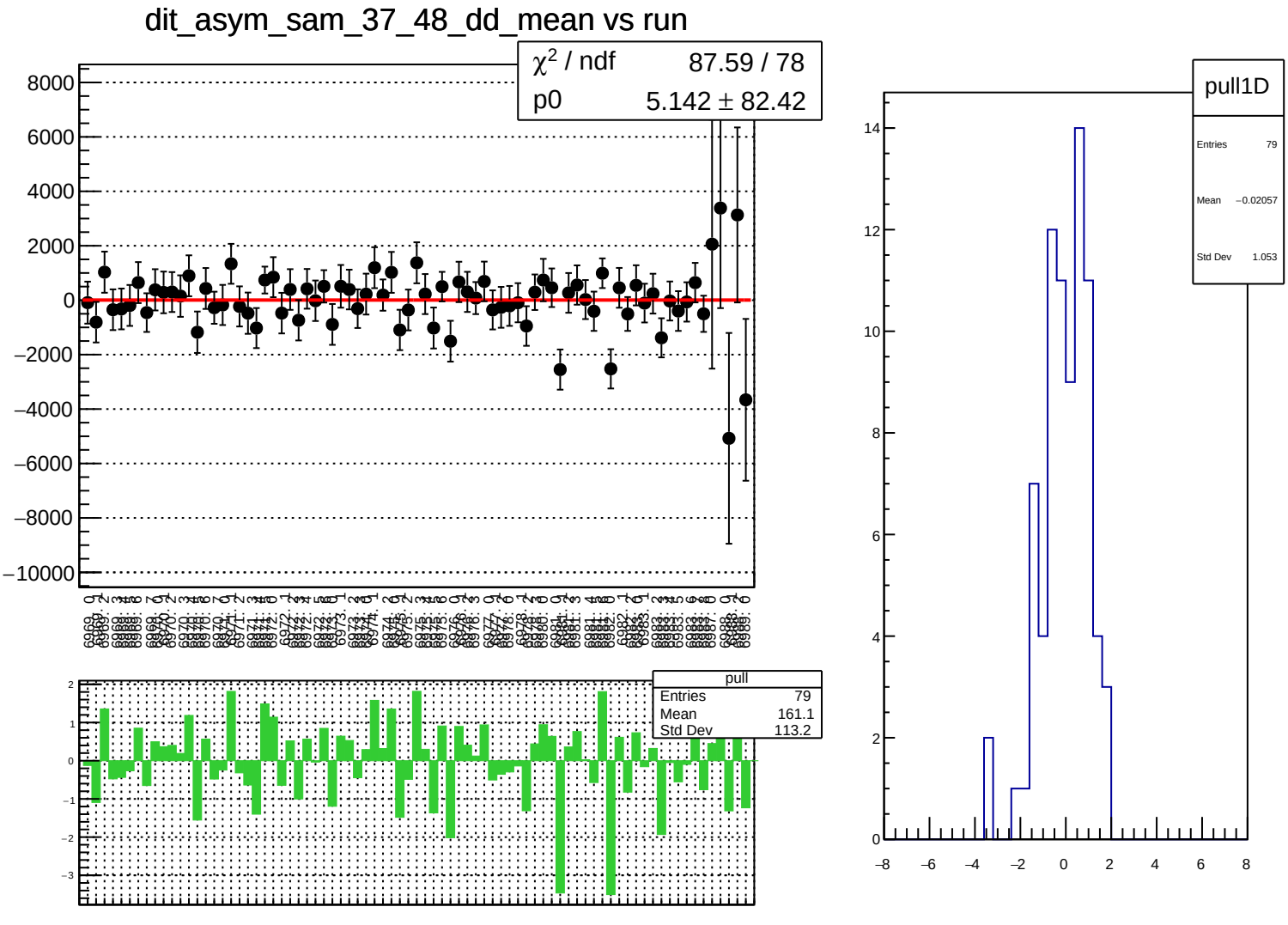

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 56.97 / 73
p0 −135.6 ± 662.7
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000


pull1D
Entries 79
Mean −0.003644
Std Dev 0.8774
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

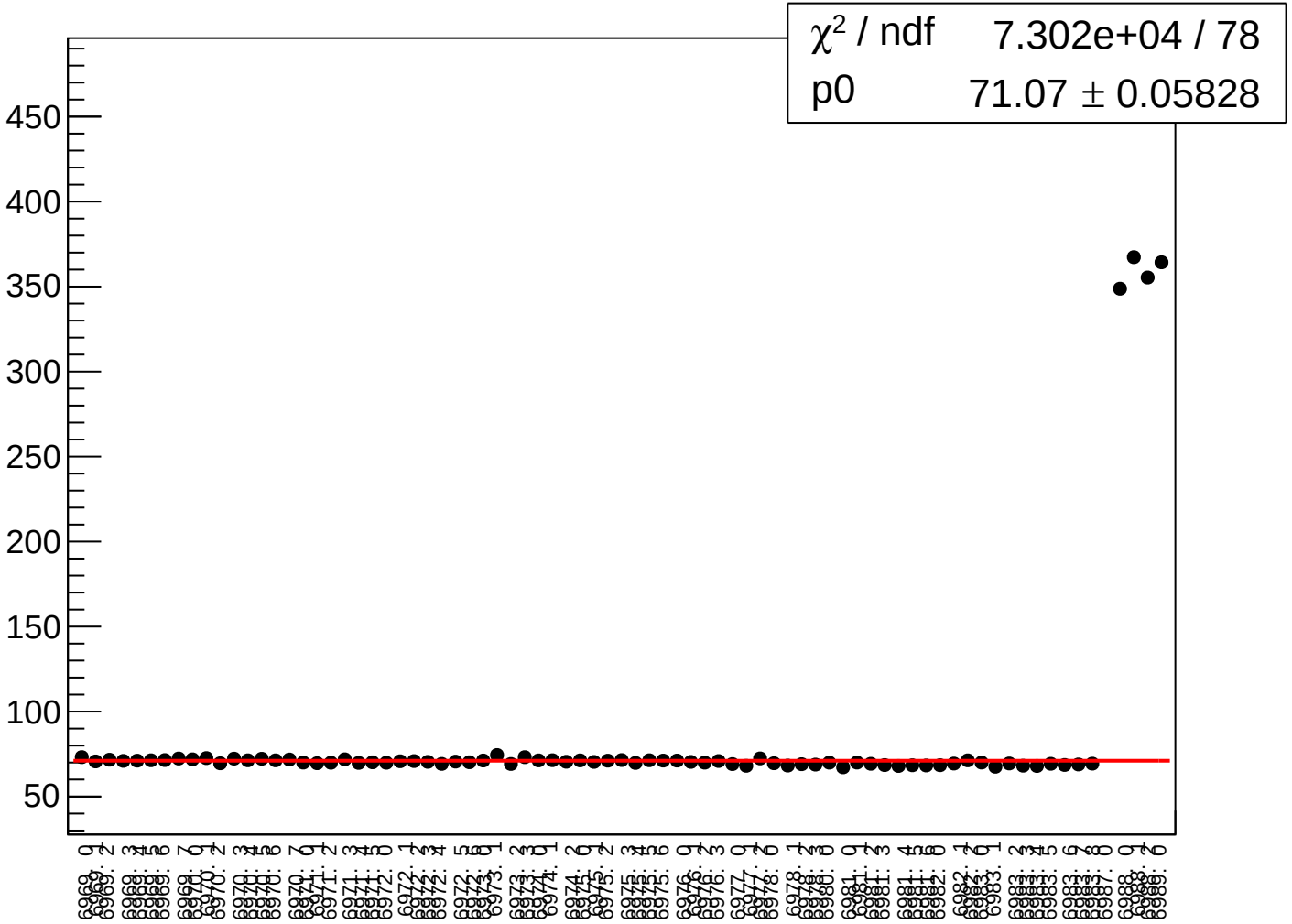

asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 5823 / 73
p0 563.1 ± 0.4686
700
600
500
400
300
200
100
0

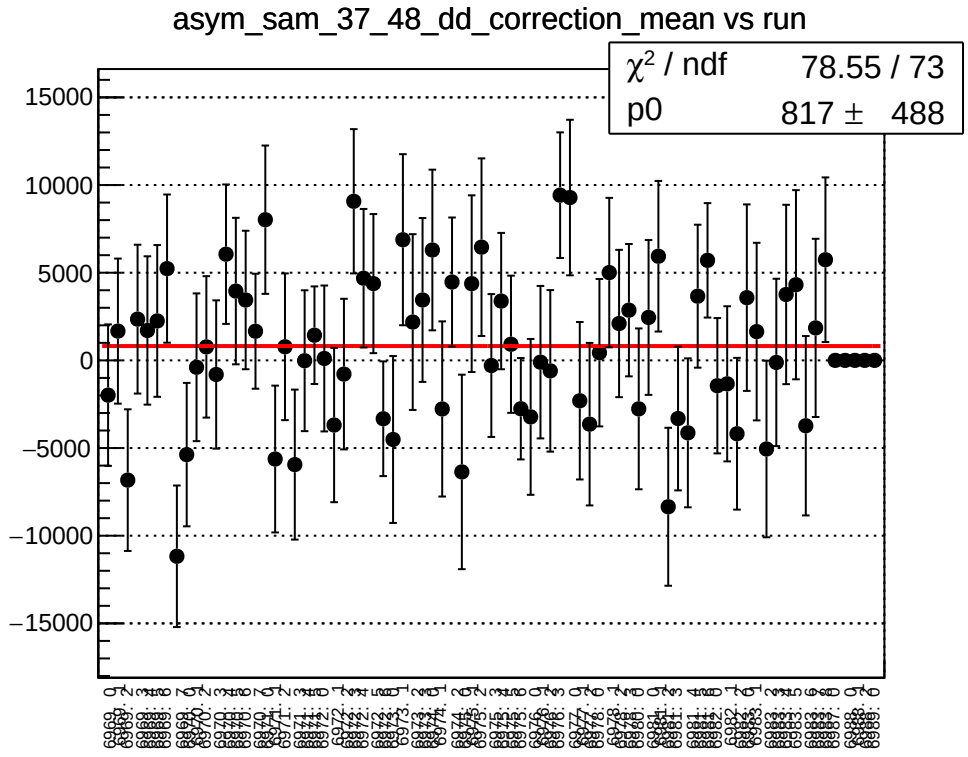

asym_sam_15_48_dd_mean vs run
χ² / ndf 65.26 / 78
p0 −85.04 ± 643.5
20000
10000
0
−10000
−20000
pull
Entries 79
Mean −1149
Std Dev 1191
3
2
1
0
−1
−2
−3
pull1D
Entries 79
Mean 0.004166
Std Dev 0.9089
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

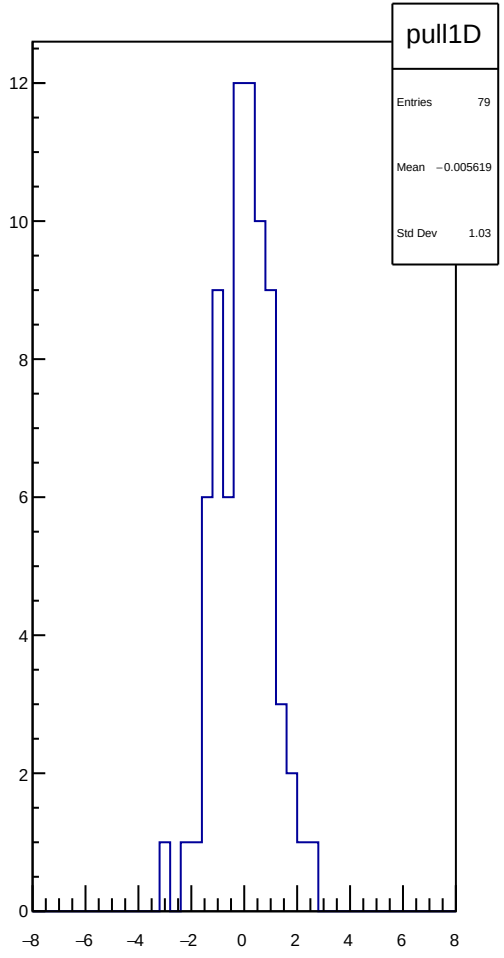

asym_sam_15_48_dd_rms vs run
χ² / ndf 6566 / 78
p0 567.1 ± 0.455
750
700
650
600
550
500

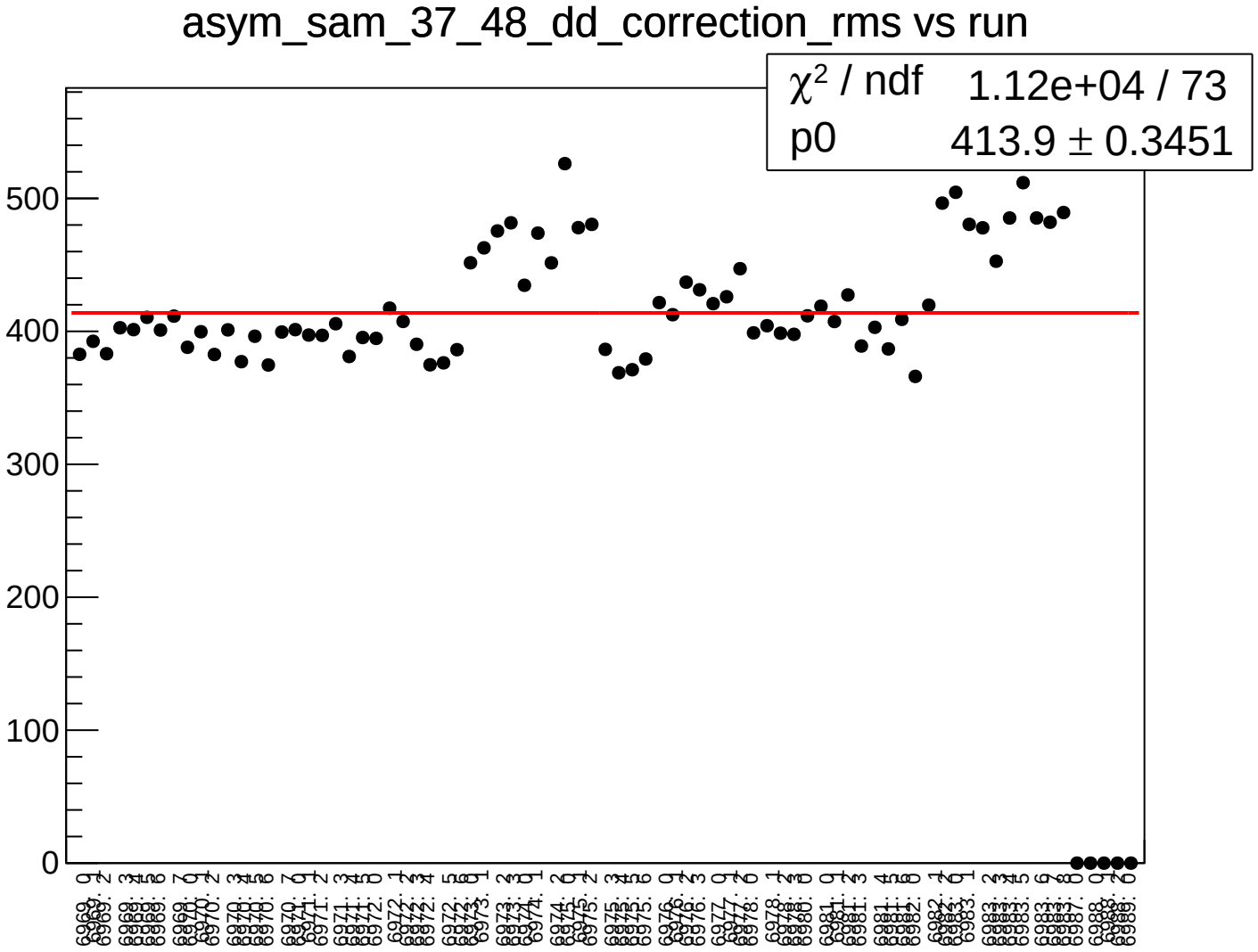

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 87.59 / 78
p0 5.142 ± 82.42
pull
Entries 79
Mean 161.1
Std Dev 113.2
pull1D
Entries 79
Mean −0.02057
Std Dev 1.053

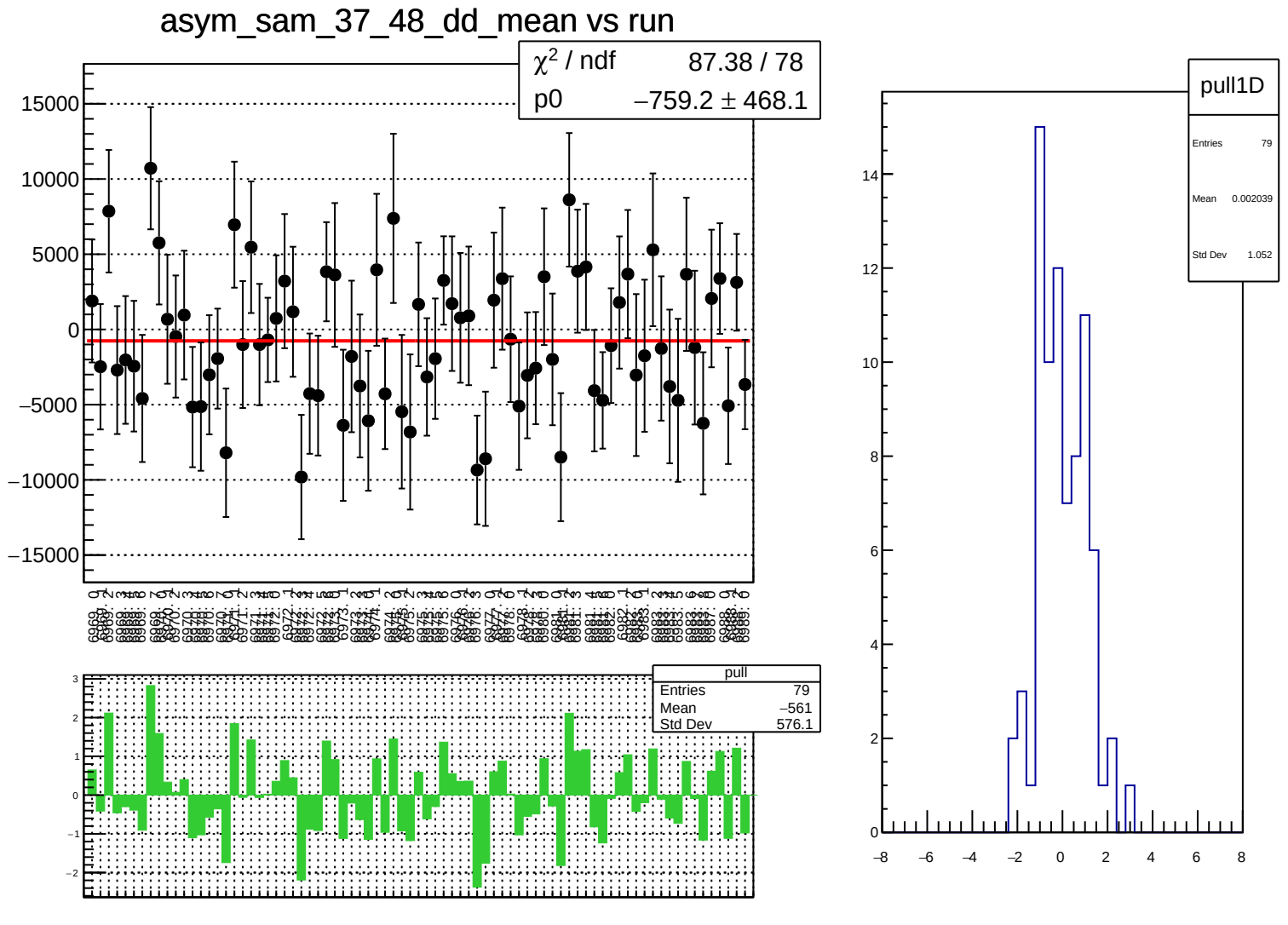
dit_asym_sam_37_48_dd_rms vs run

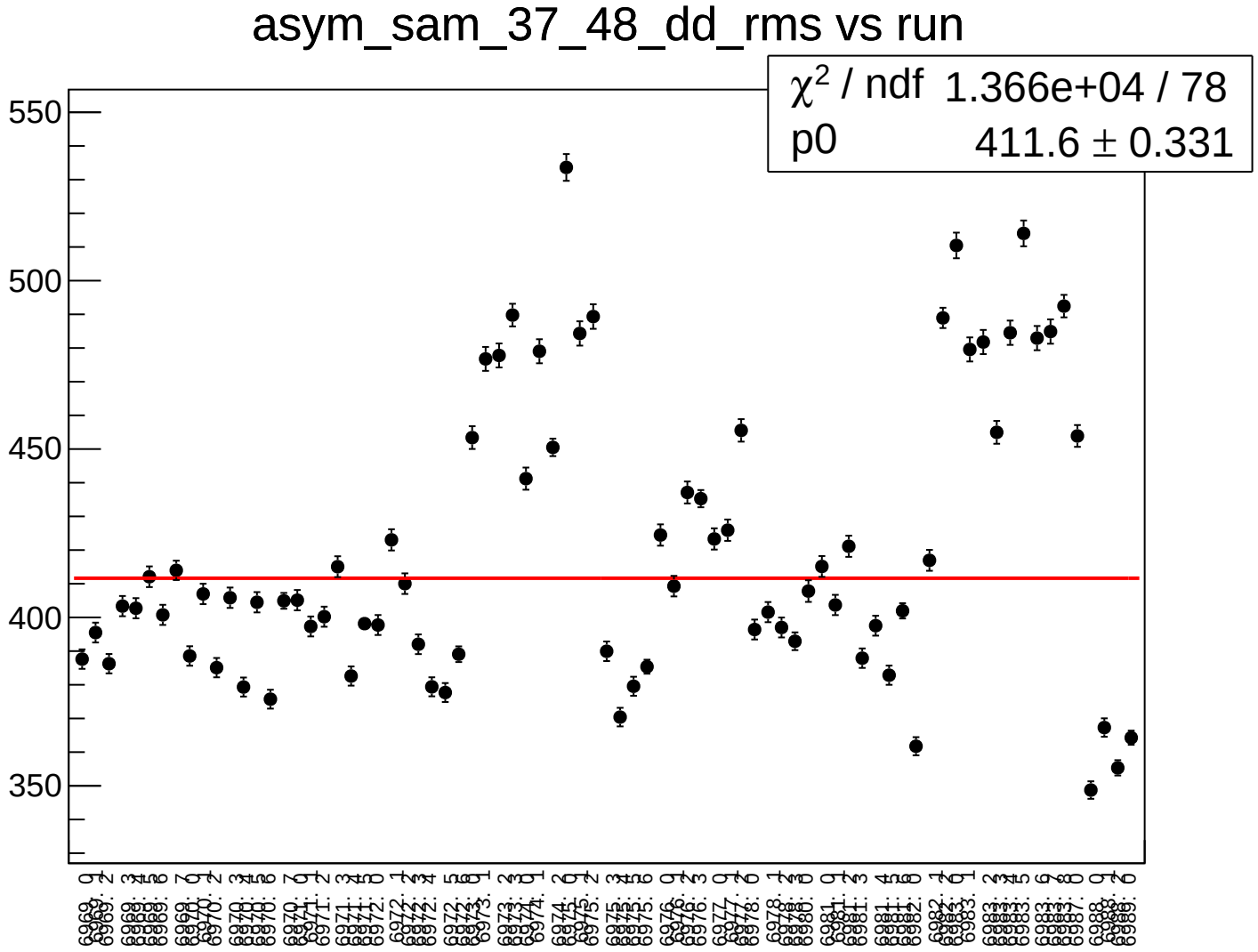


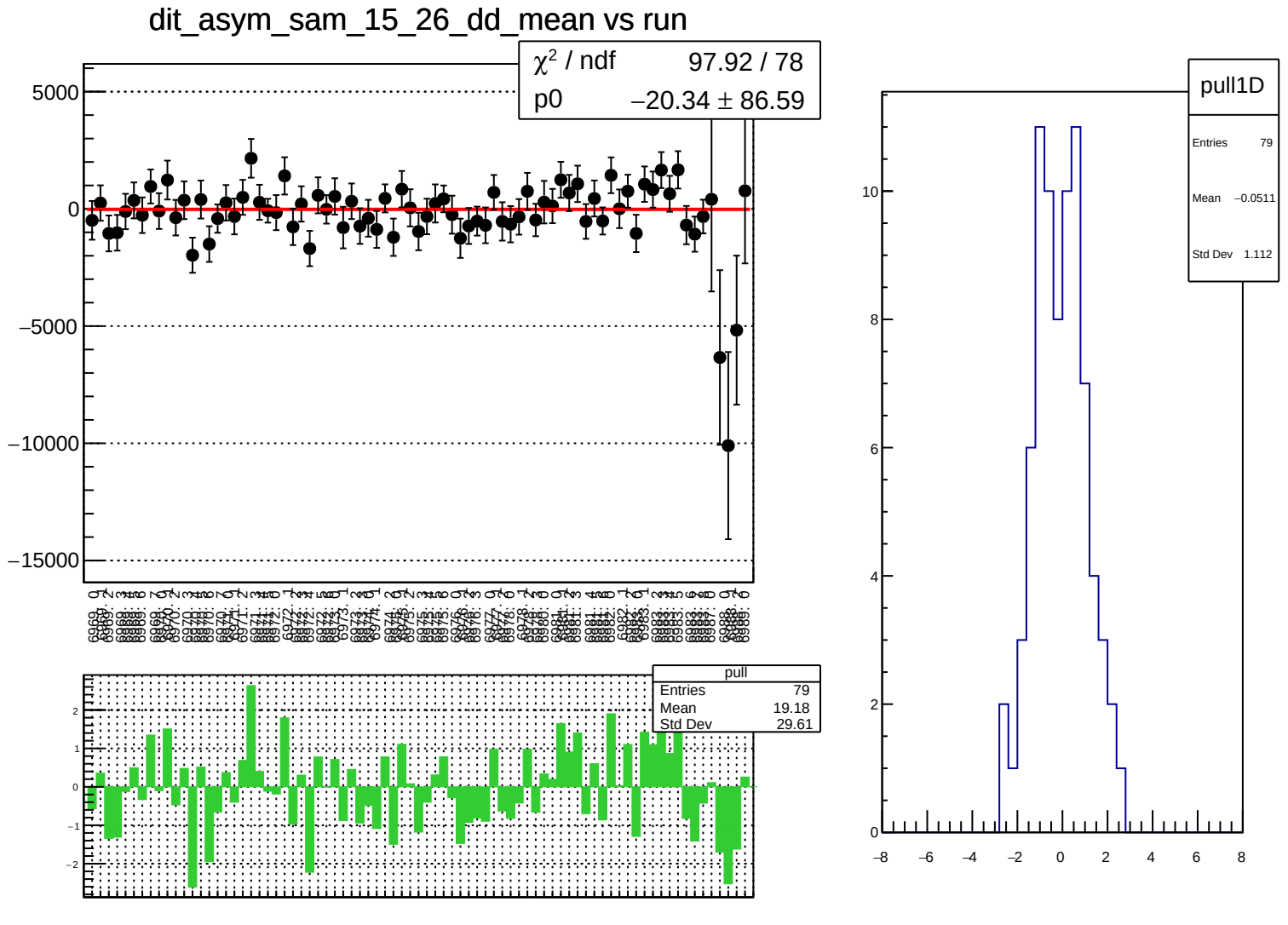

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 78.55 / 73
p0 817 ± 488
15000
10000
5000
0
−5000
−10000
−15000


pull1D
Entries 79
Mean −0.005619
Std Dev 1.03
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

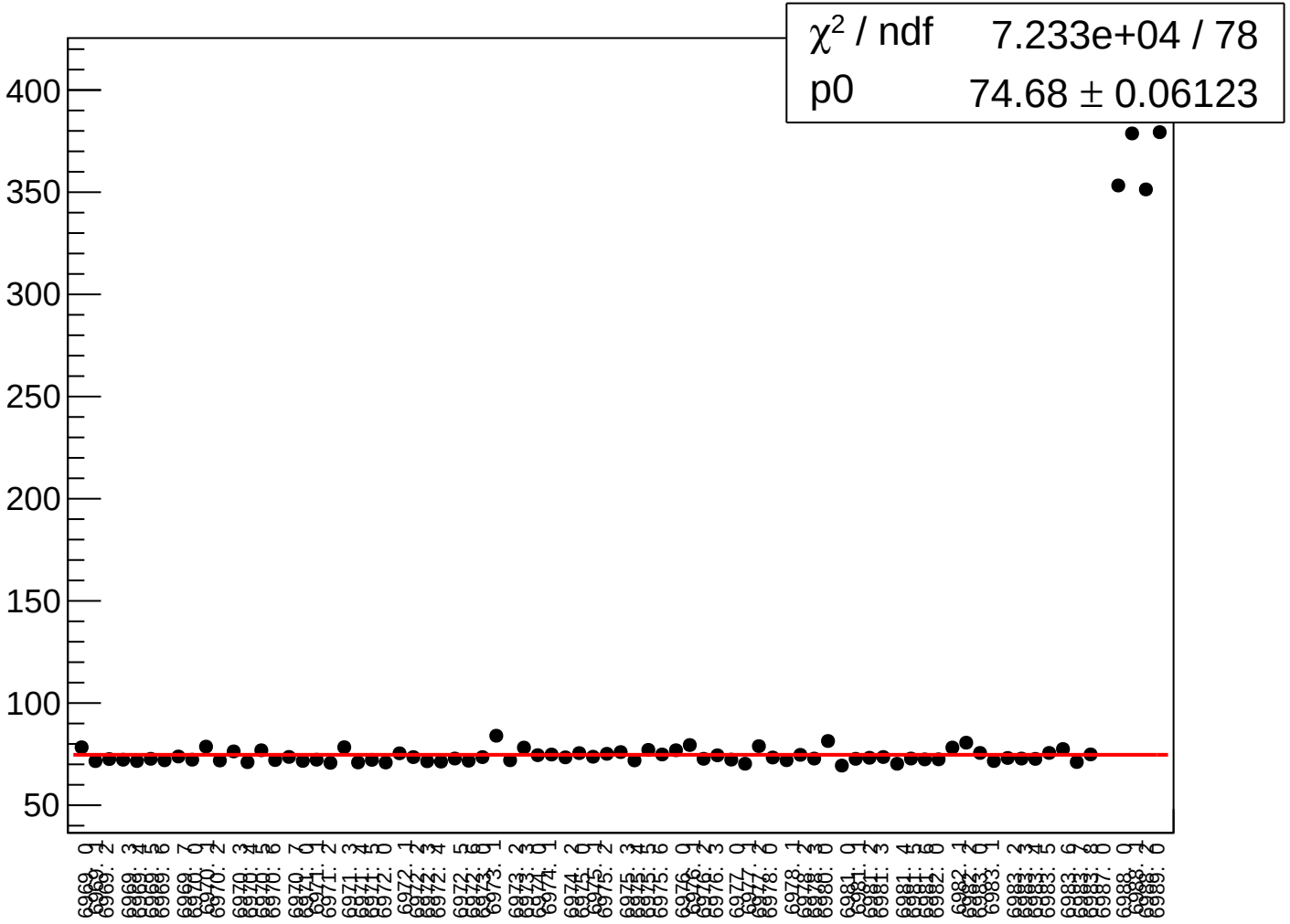

asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 1.12e+04 / 73
p0 413.9 ± 0.3451
500
400
300
200
100
0

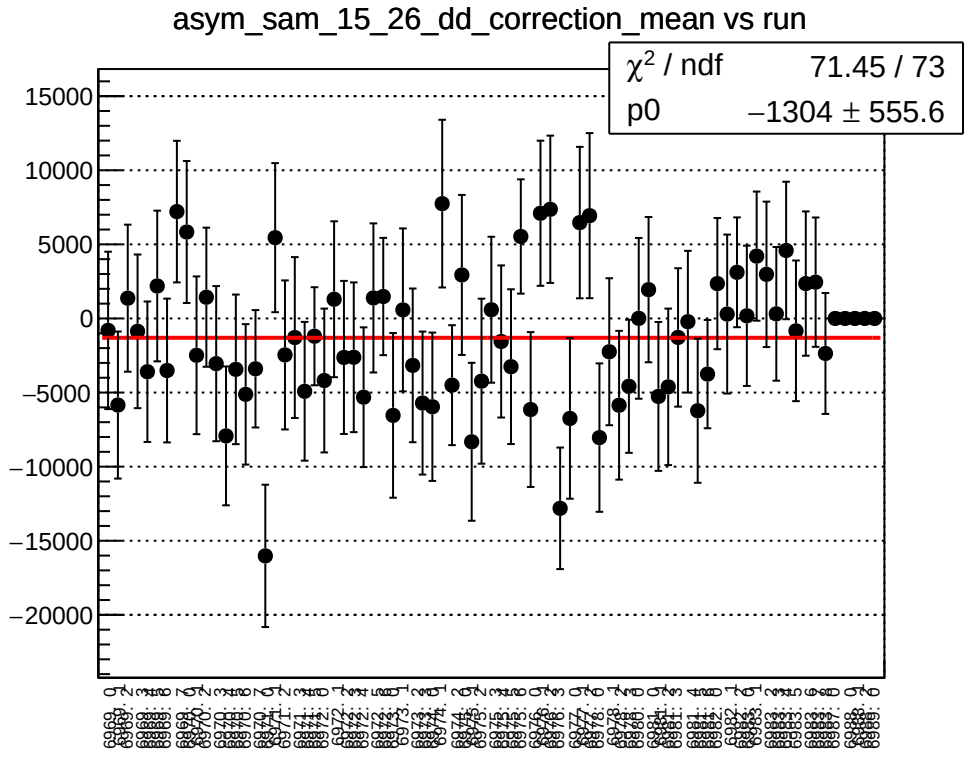

asym_sam_37_48_dd_mean vs run
χ² / ndf 87.38 / 78
p0 −759.2 ± 468.1
pull
Entries 79
Mean −561
Std Dev 576.1
pull1D
Entries 79
Mean 0.002039
Std Dev 1.052

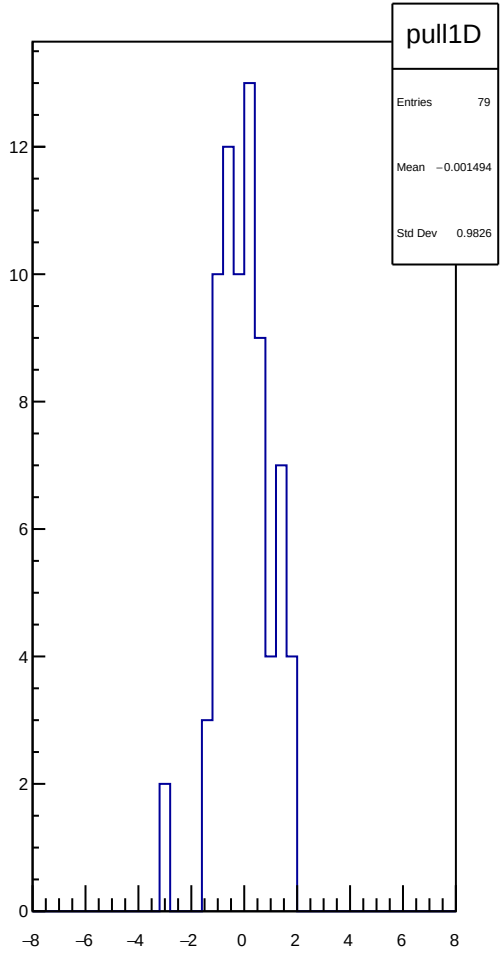

asym_sam_37_48_dd_rms vs run
χ^2 / ndf 1.366e+04 / 78
p0 411.6 ± 0.331
550
500
450
400
350

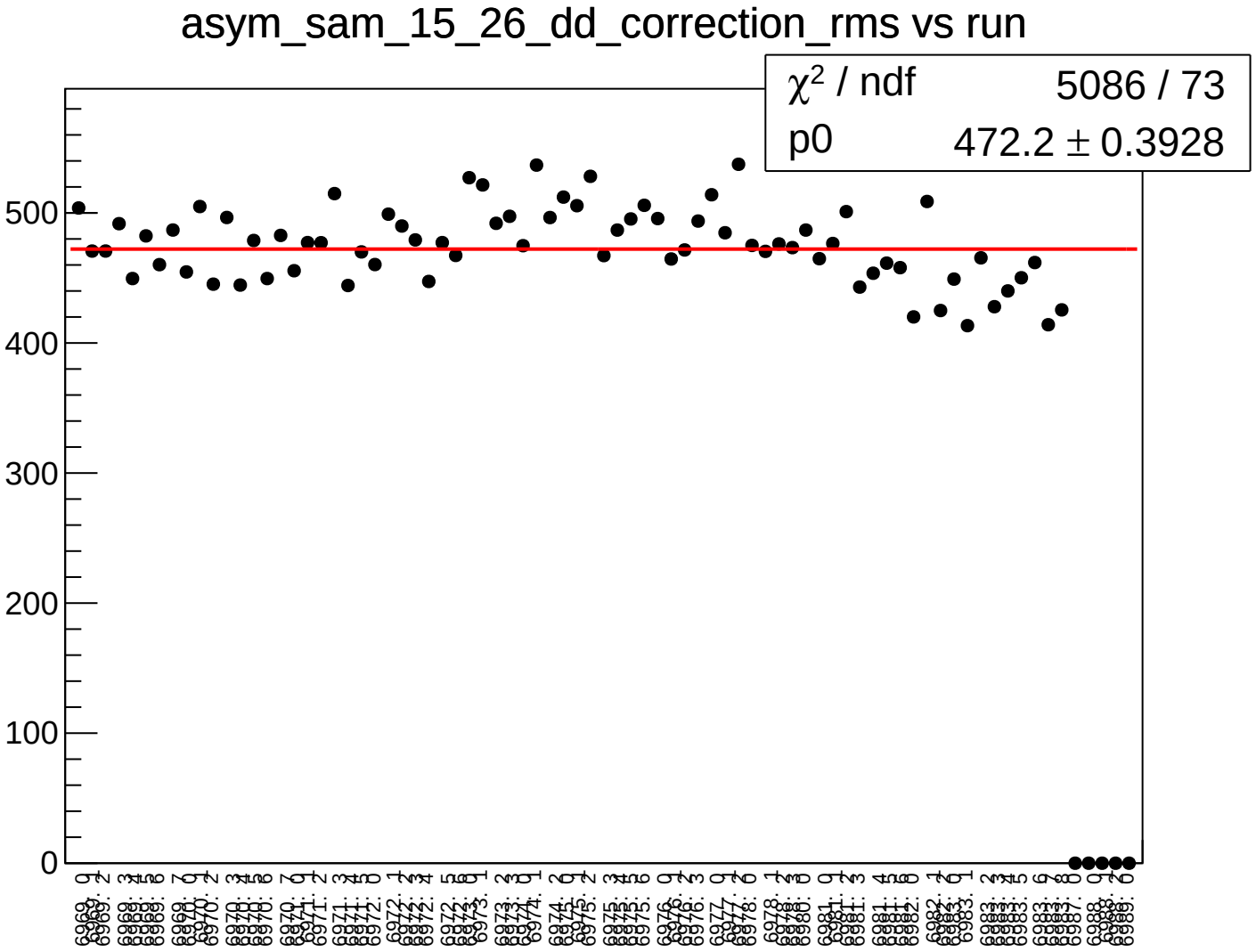

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 97.92 / 78
p0 −20.34 ± 86.59
5000
0
−5000
−10000
−15000
pull
Entries 79
Mean 19.18
Std Dev 29.61
2
1
0
−1
−2
pull1D
Entries 79
Mean −0.0511
Std Dev 1.112
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

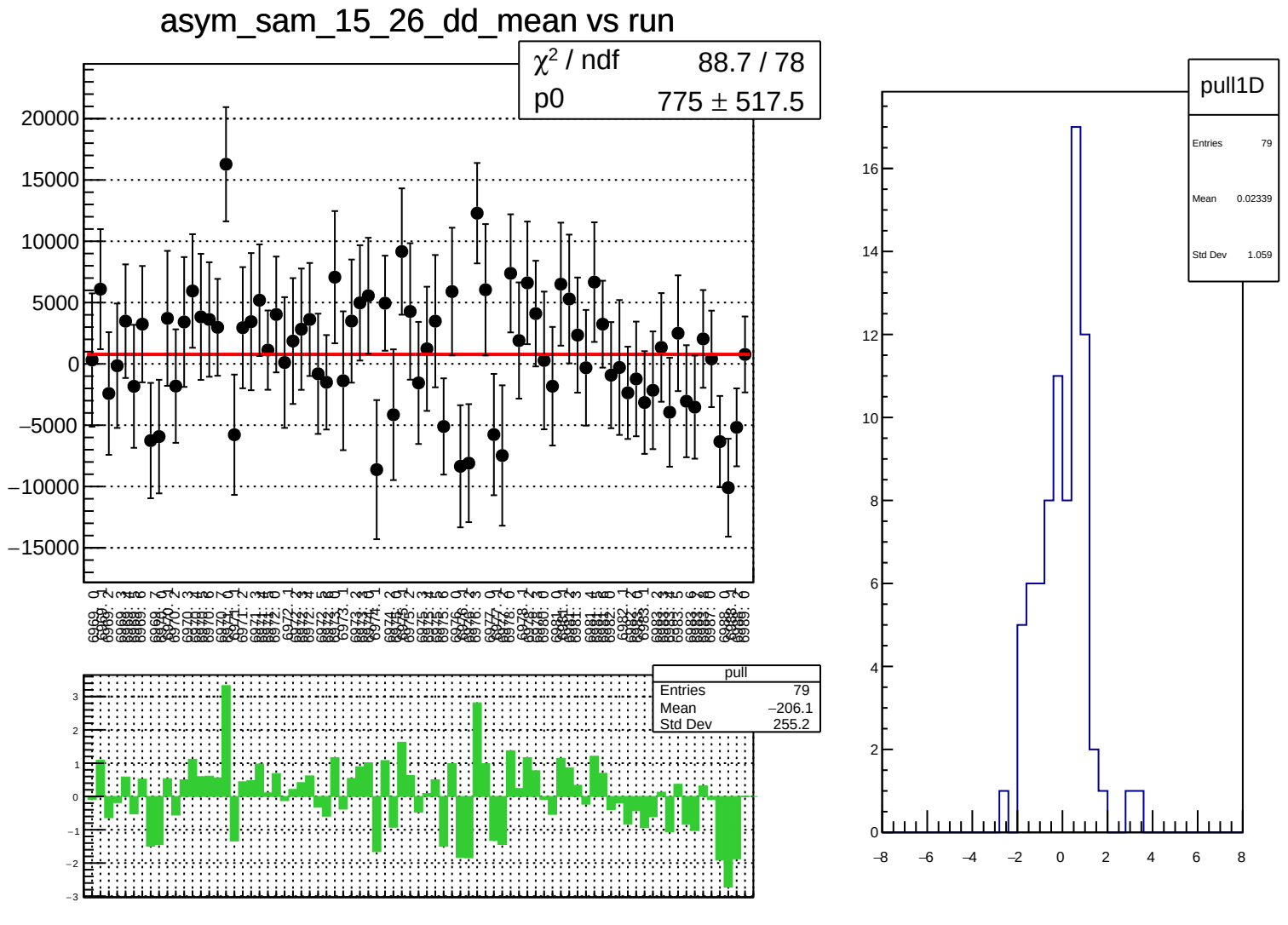
dit_asym_sam_15_26_dd_rms vs run



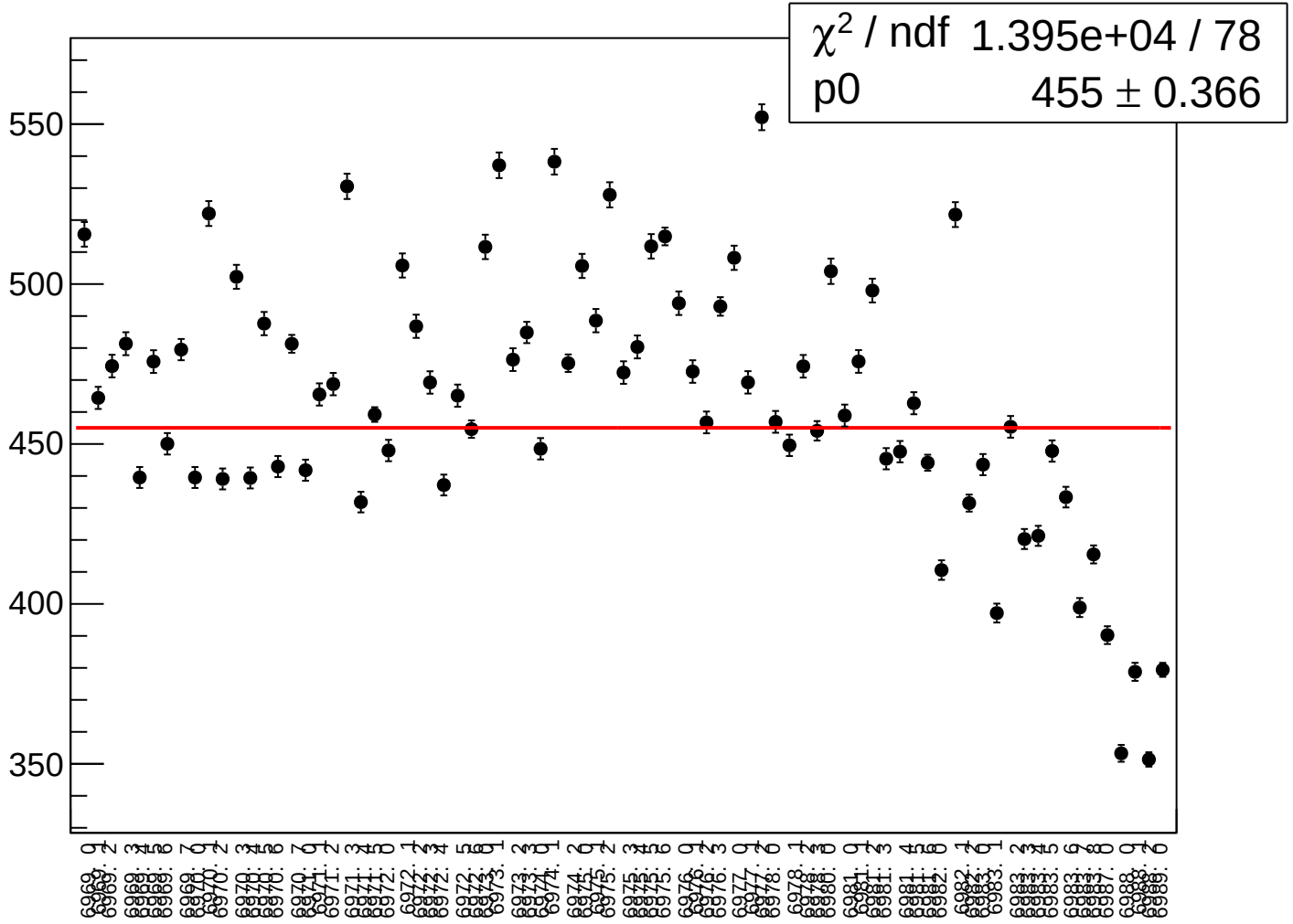

asym_sam_15_26_dd_correction_mean vs run
χ^2 / ndf 71.45 / 73
p0 −1304 ± 555.6
15000
10000
5000
0
−5000
−10000
−15000
−20000

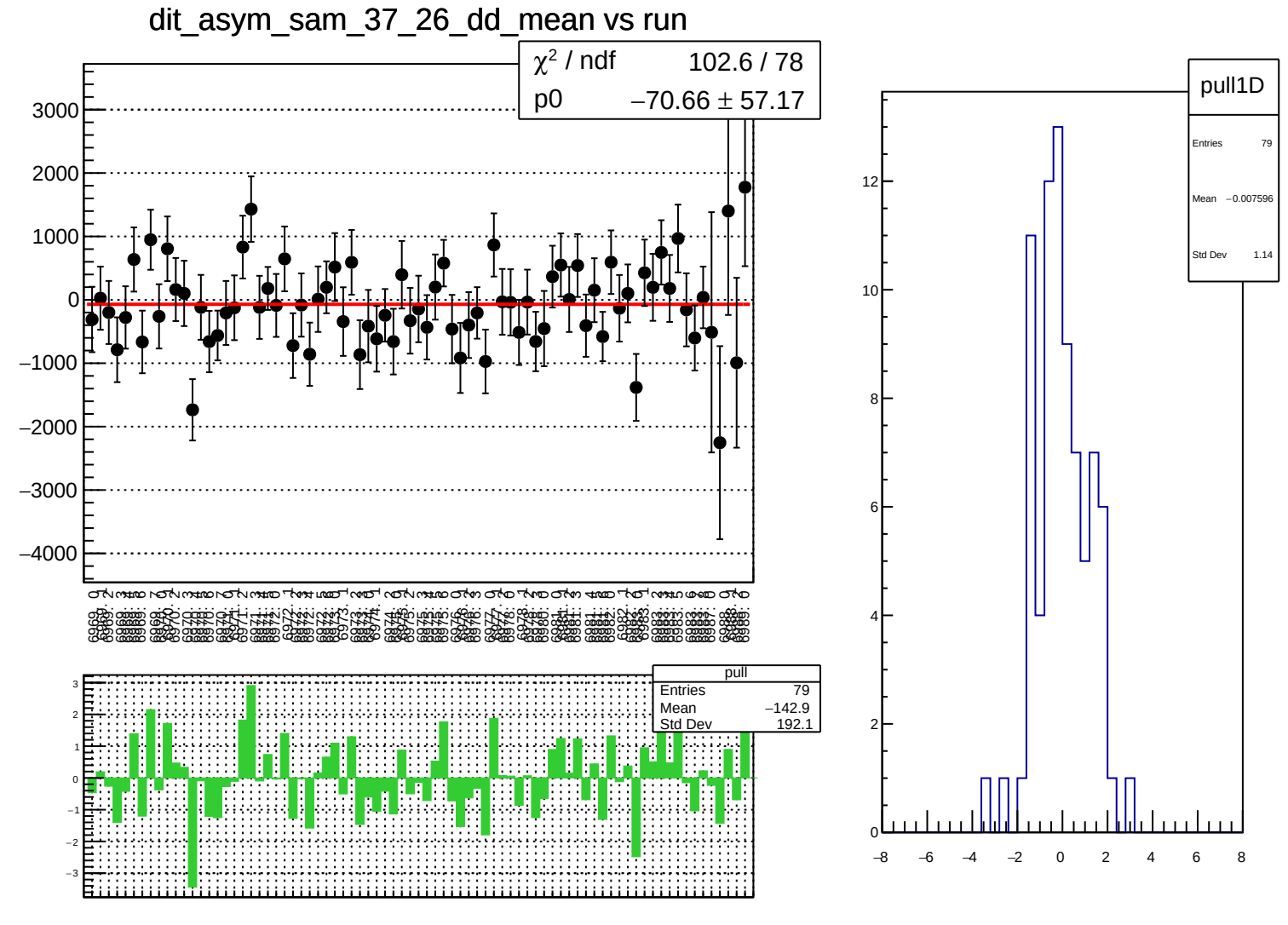

pull1D
Entries 79
Mean −0.001494
Std Dev 0.9826
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_26_dd_correction_rms vs run
χ^2 / ndf 5086 / 73
p0 472.2 ± 0.3928
500
400
300
200
100
0

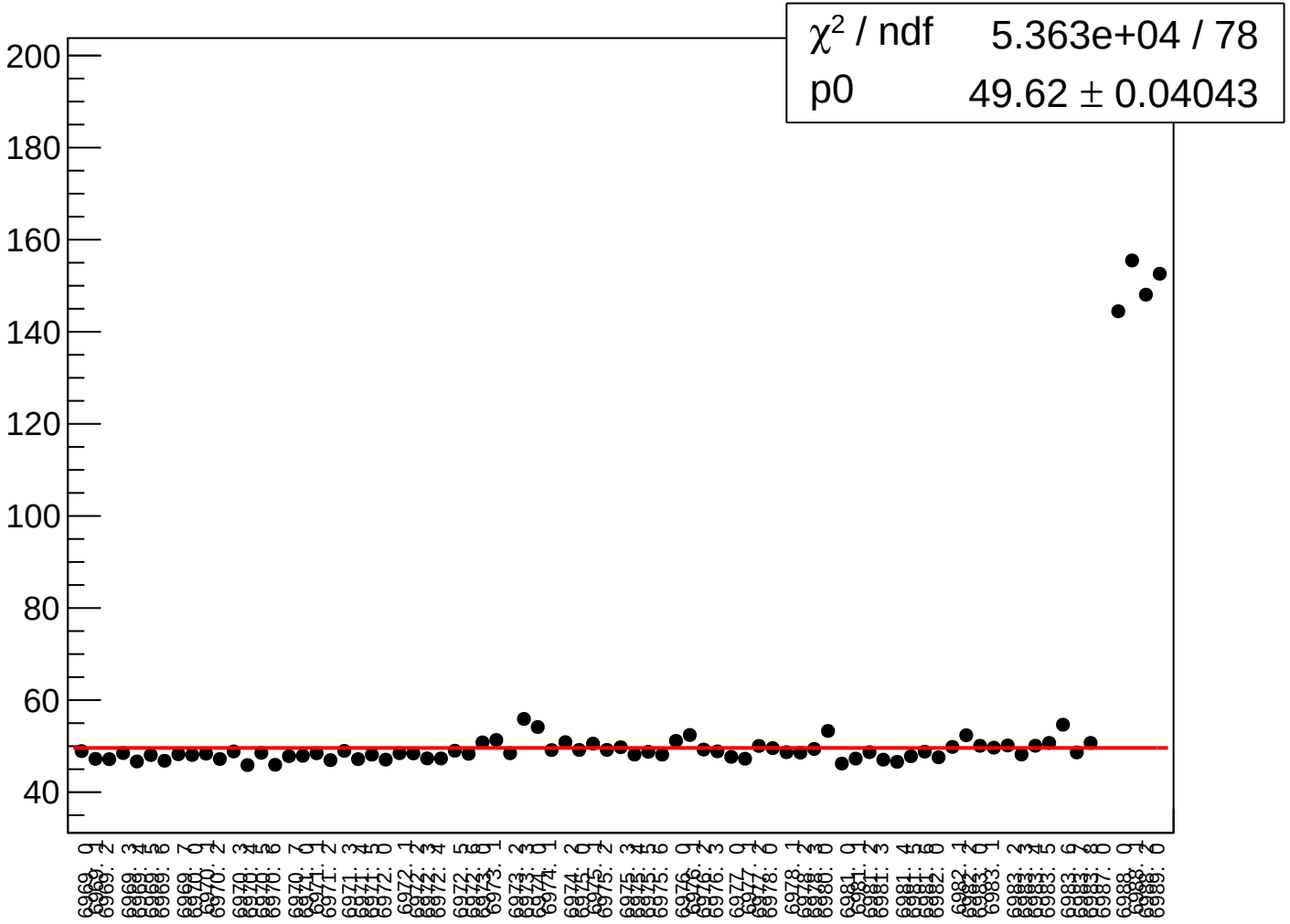

asym_sam_15_26_dd_mean vs run
χ² / ndf 88.7 / 78
p0 775 ± 517.5
pull
Entries 79
Mean −206.1
Std Dev 255.2
pull1D
Entries 79
Mean 0.02339
Std Dev 1.059

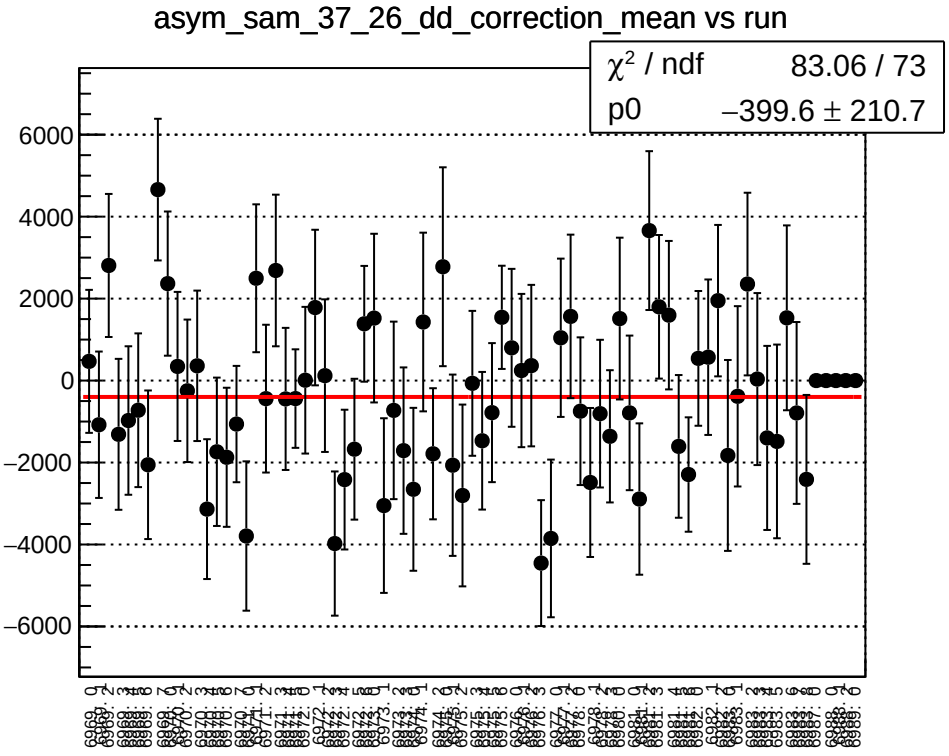
asym_sam_15_26_dd_rms vs run

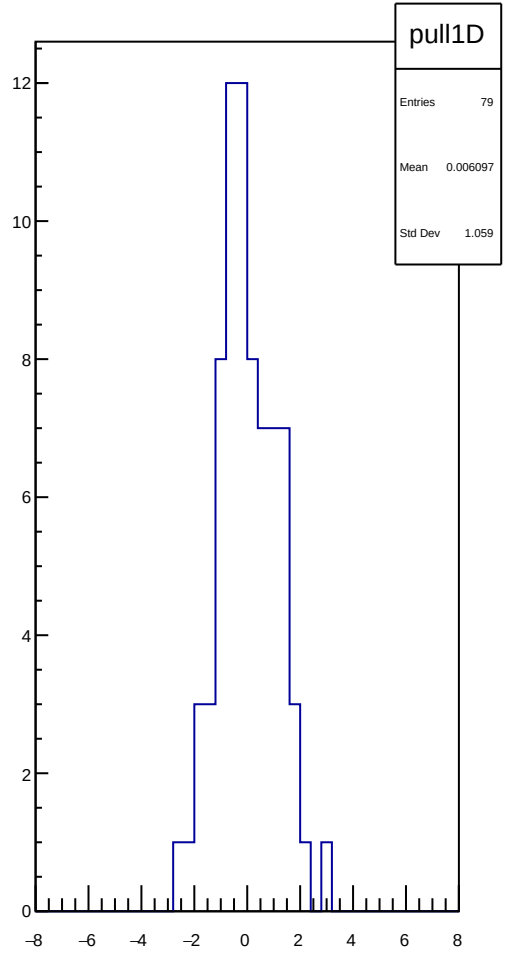


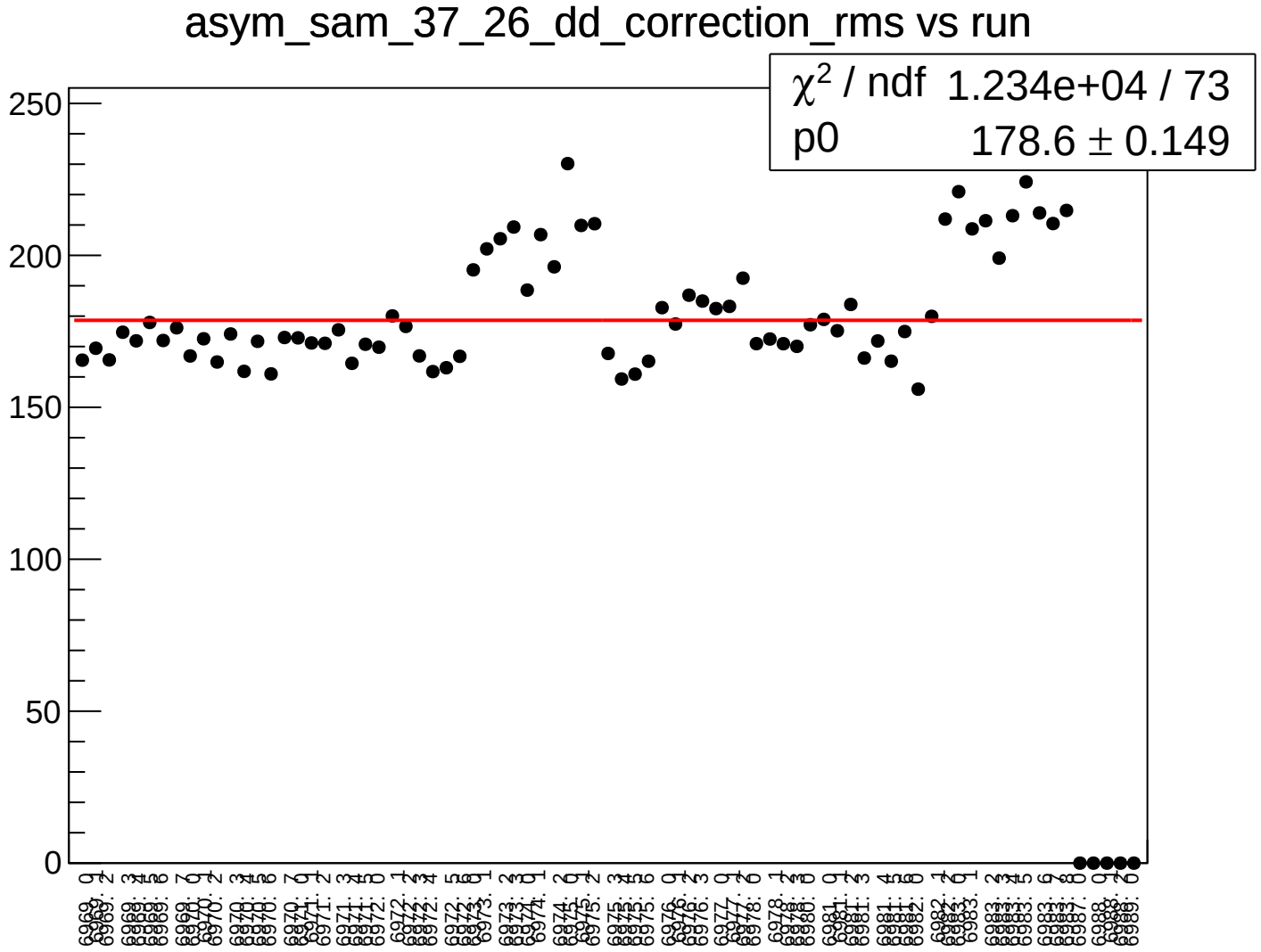

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 102.6 / 78
p0 −70.66 ± 57.17
pull
Entries 79
Mean −142.9
Std Dev 192.1
pull1D
Entries 79
Mean −0.007596
Std Dev 1.14

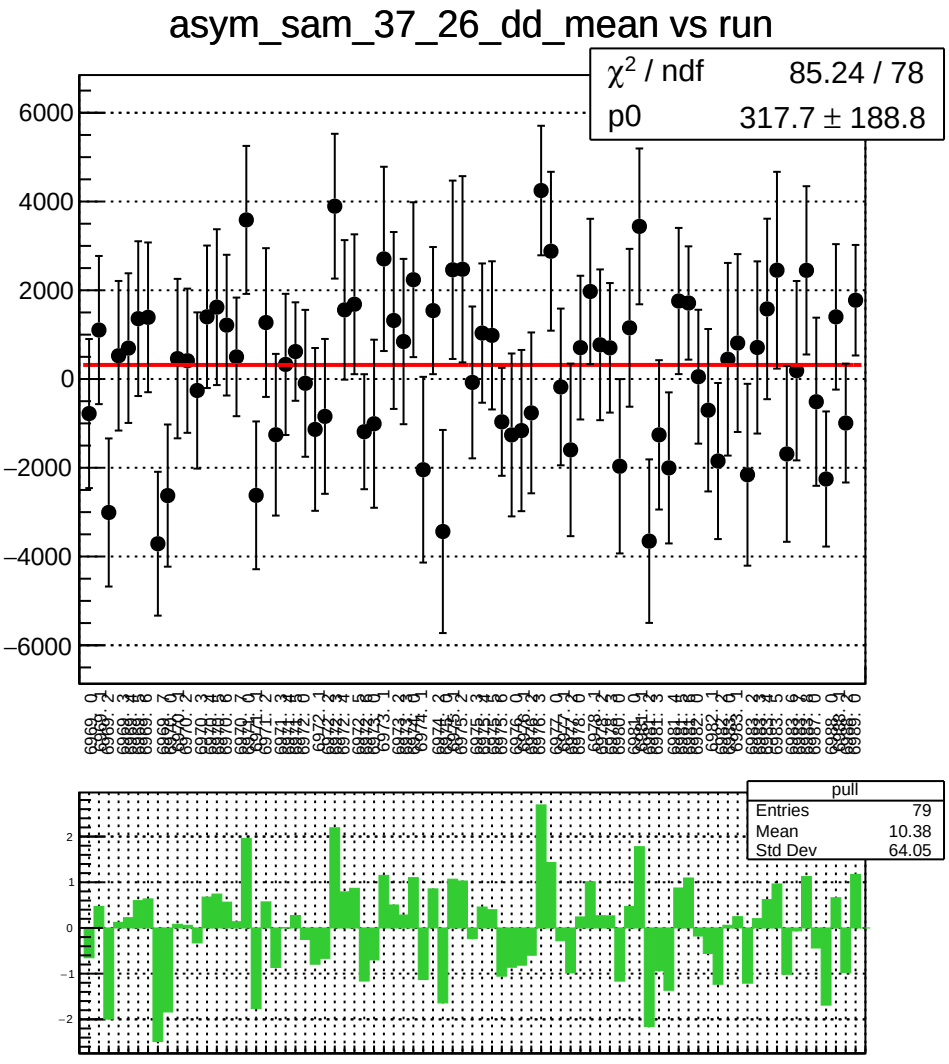
dit_asym_sam_37_26_dd_rms vs run

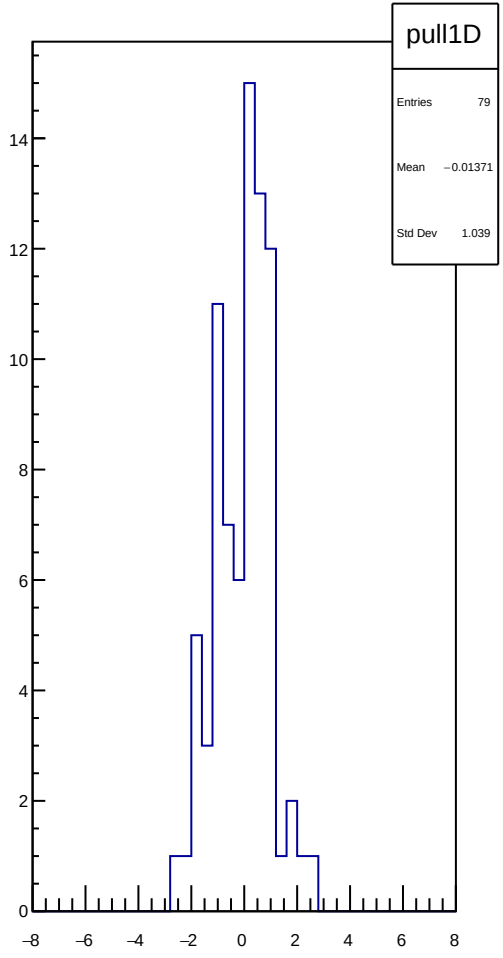


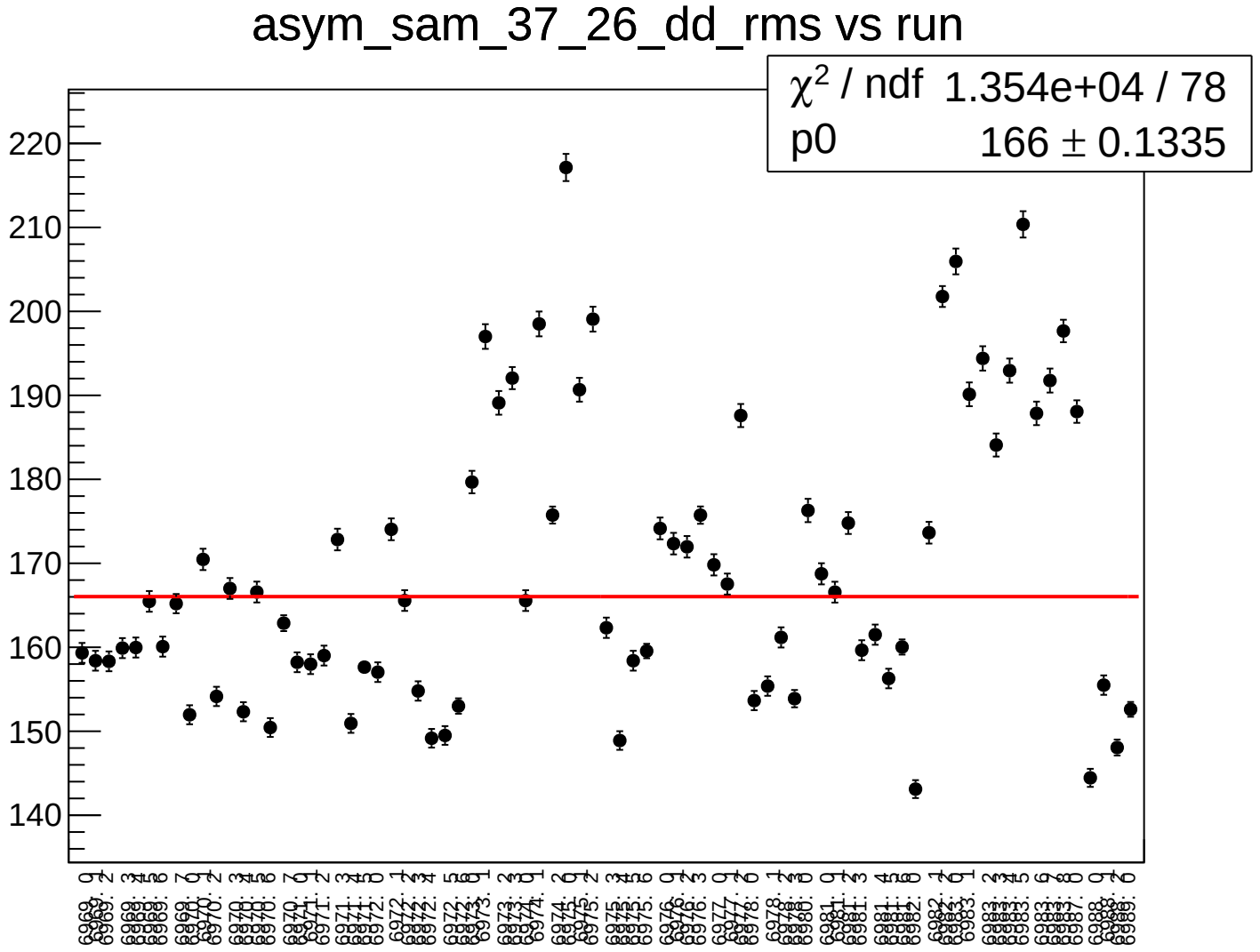

asym_sam_37_26_dd_correction_mean vs run
χ^2 / ndf 83.06 / 73
p0 −399.6 ± 210.7
6000
4000
2000
0
−2000
−4000
−6000

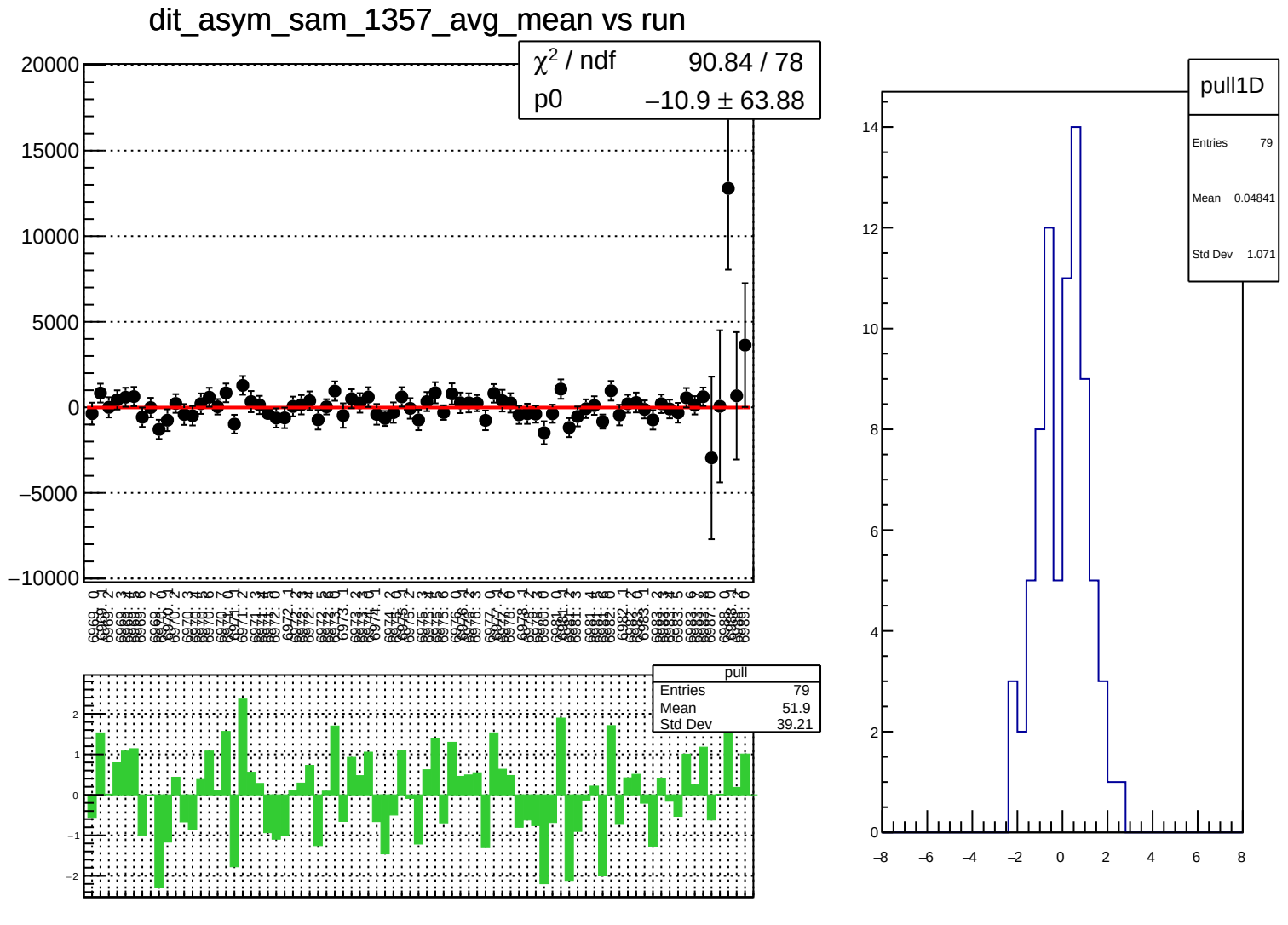

pull1D
Entries 79
Mean 0.006097
Std Dev 1.059
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_26_dd_correction_rms vs run
χ2 / ndf 1.234e+04 / 73
p0 178.6 ± 0.149
250
200
150
100
50
0

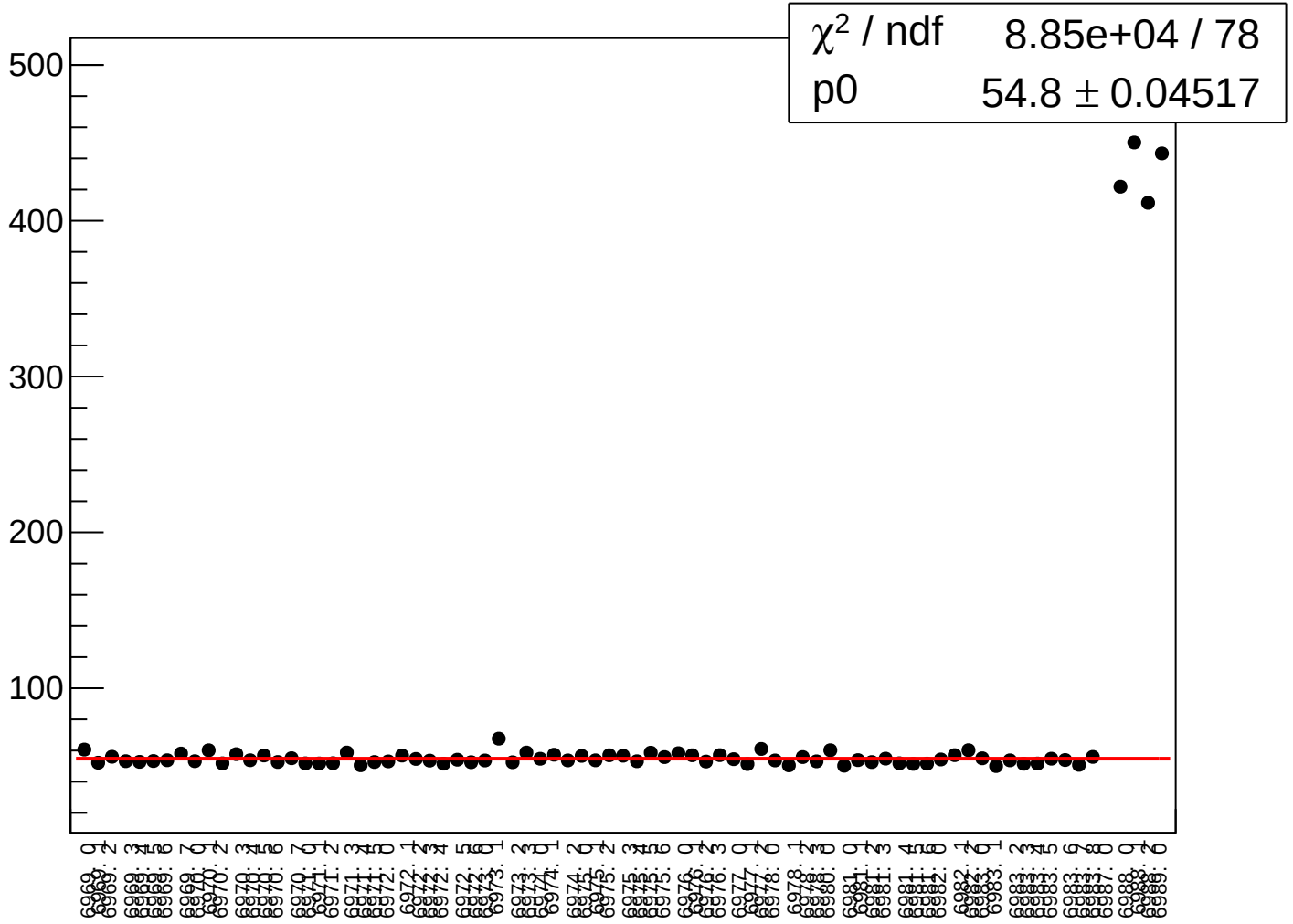

asym_sam_37_26_dd_mean vs run
χ² / ndf 85.24 / 78
p0 317.7 ± 188.8
pull
Entries 79
Mean 10.38
Std Dev 64.05

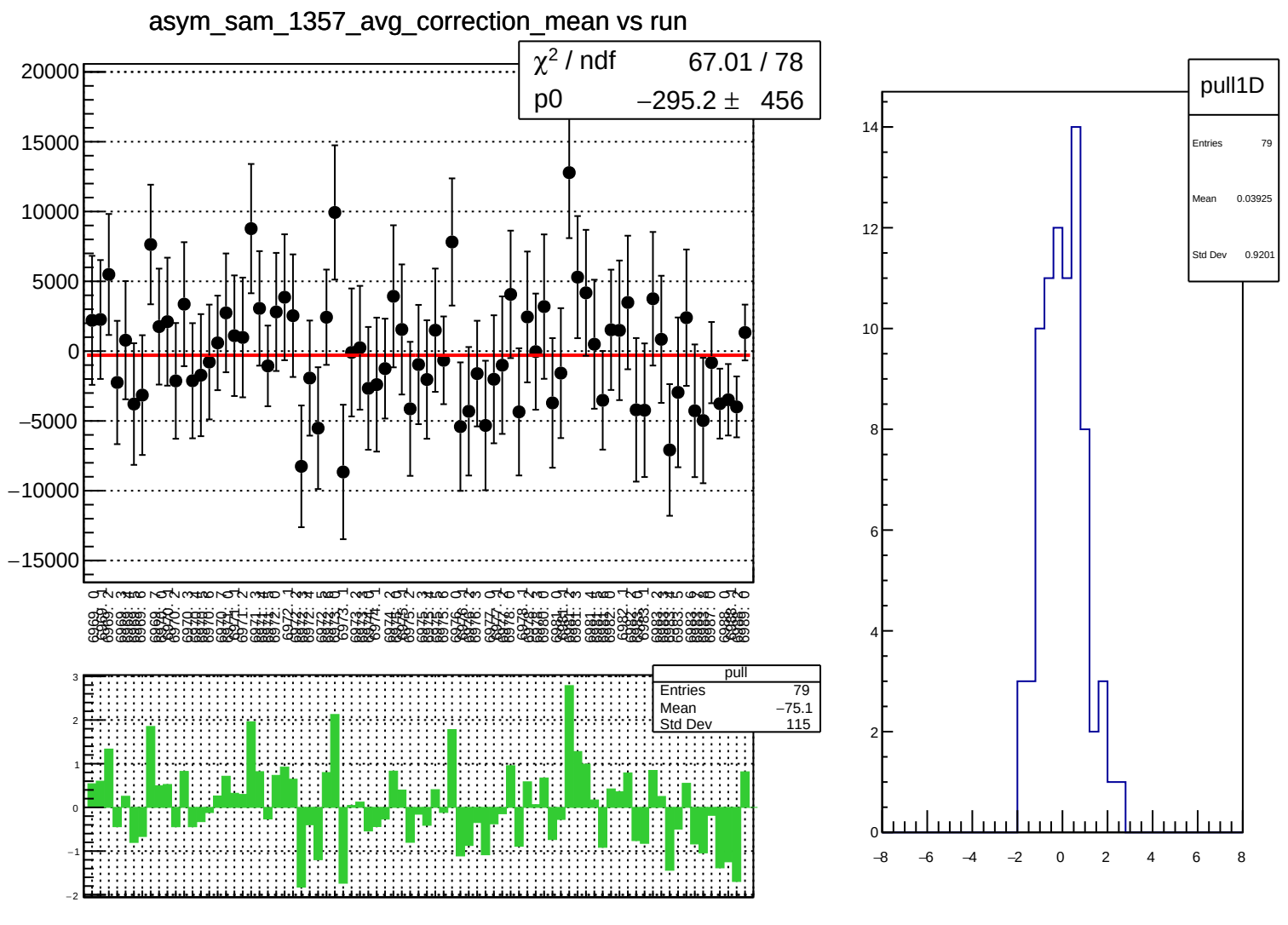

pull1D
Entries 79
Mean −0.01371
Std Dev 1.039

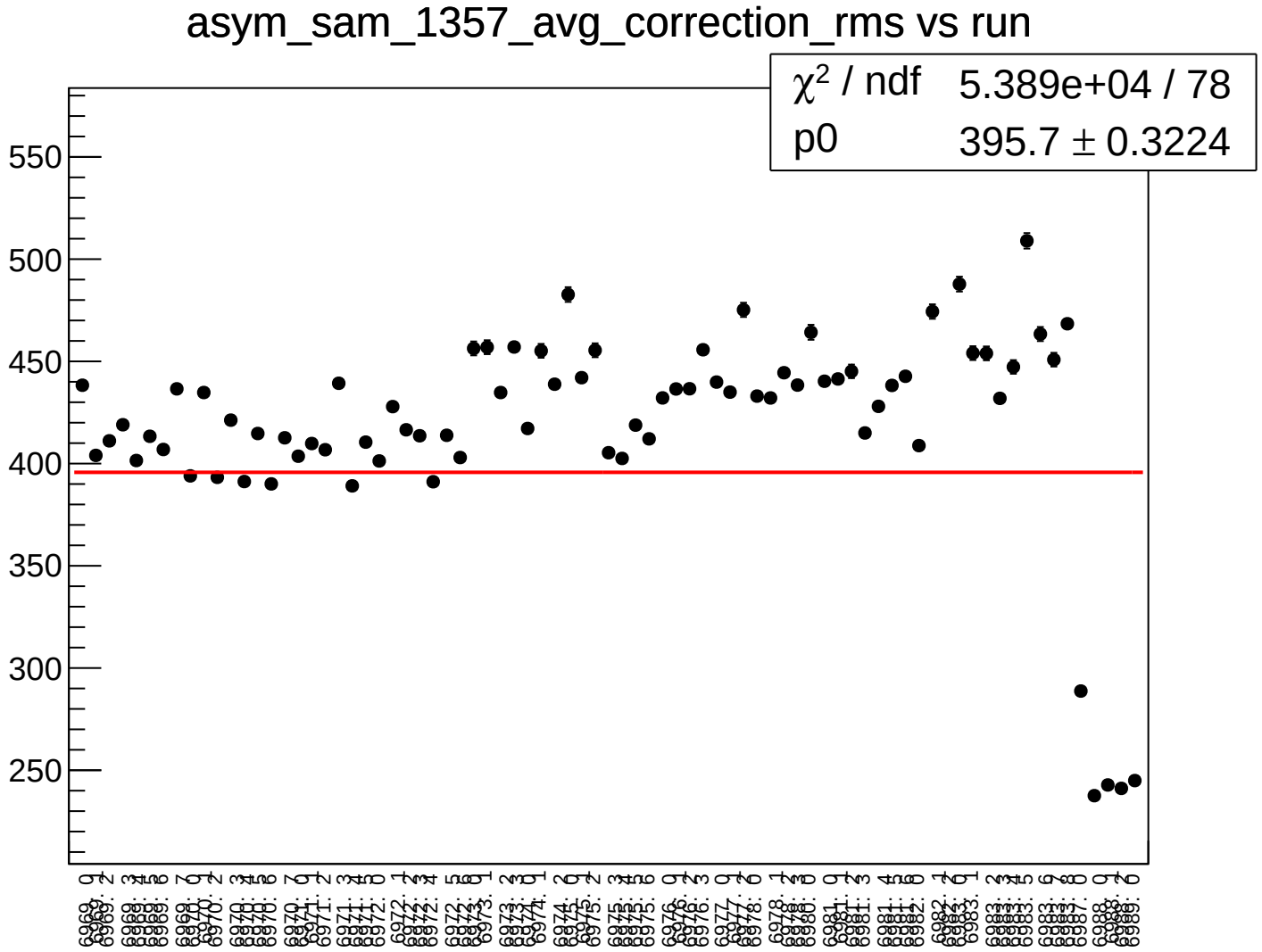

asym_sam_37_26_dd_rms vs run
χ^2 / ndf 1.354e+04 / 78
p0 166 ± 0.1335
220
210
200
190
180
170
160
150
140

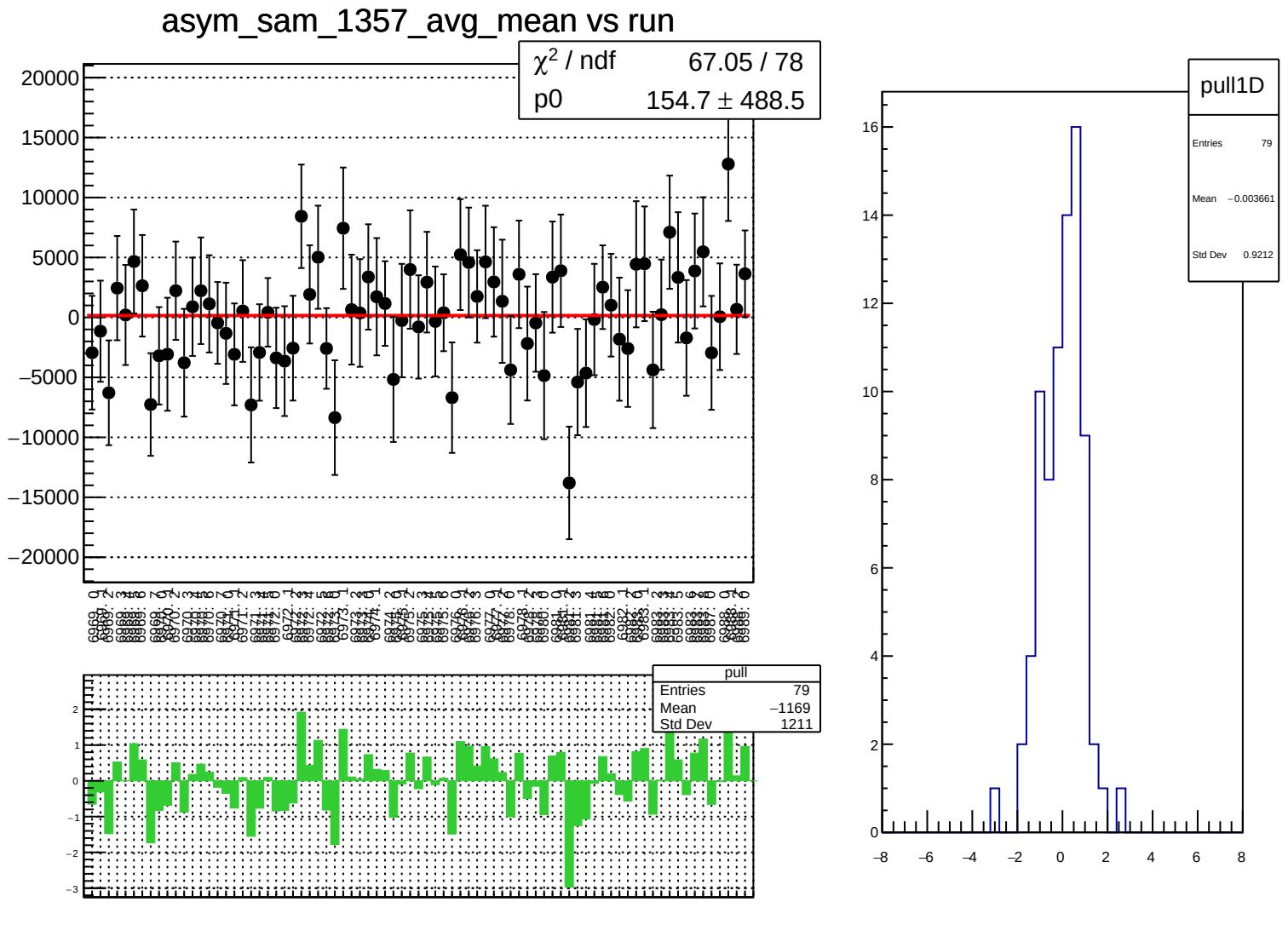

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 90.84 / 78
p0 −10.9 ± 63.88
pull
Entries 79
Mean 51.9
Std Dev 39.21
pull1D
Entries 79
Mean 0.04841
Std Dev 1.071

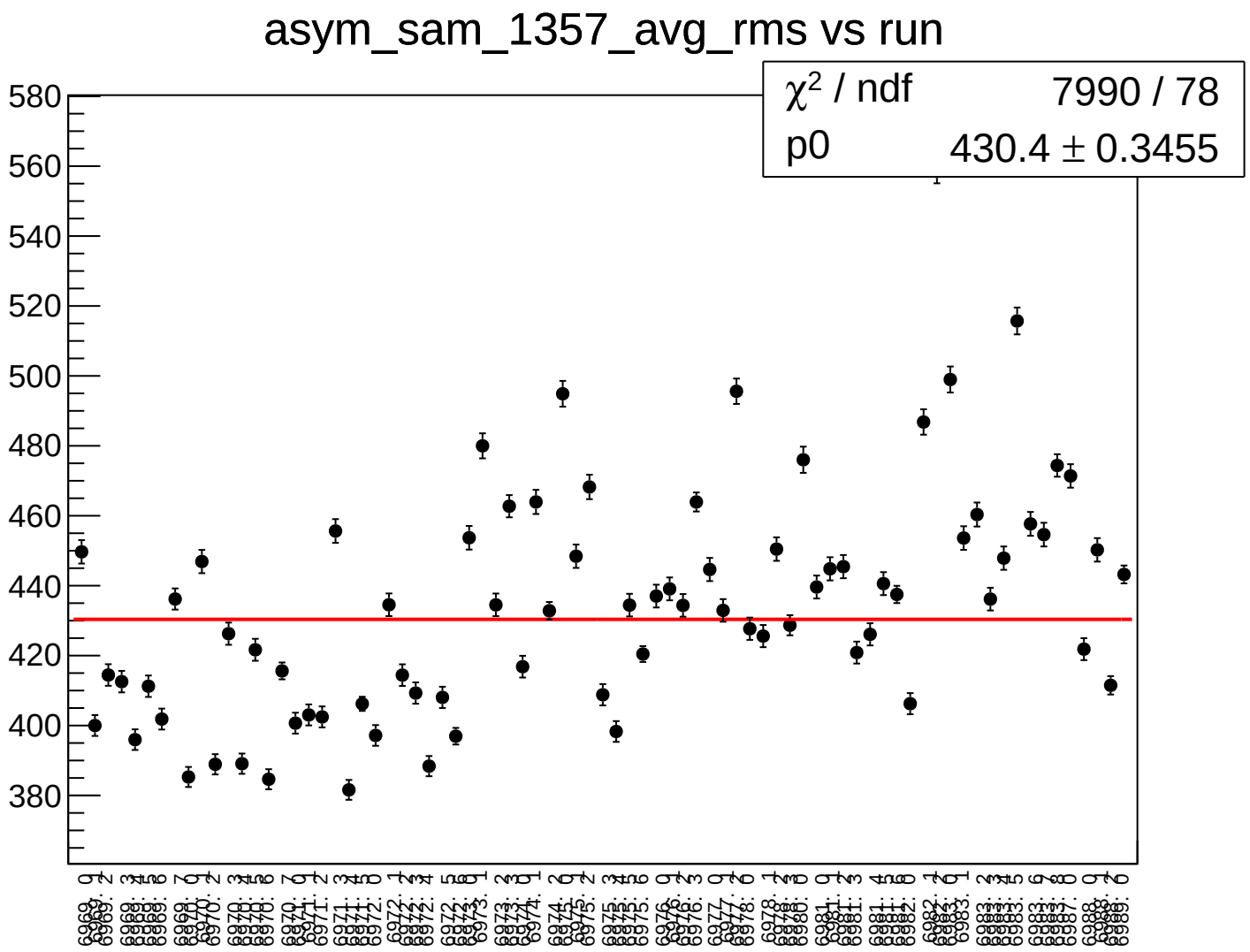
dit_asym_sam_1357_avg_rms vs run

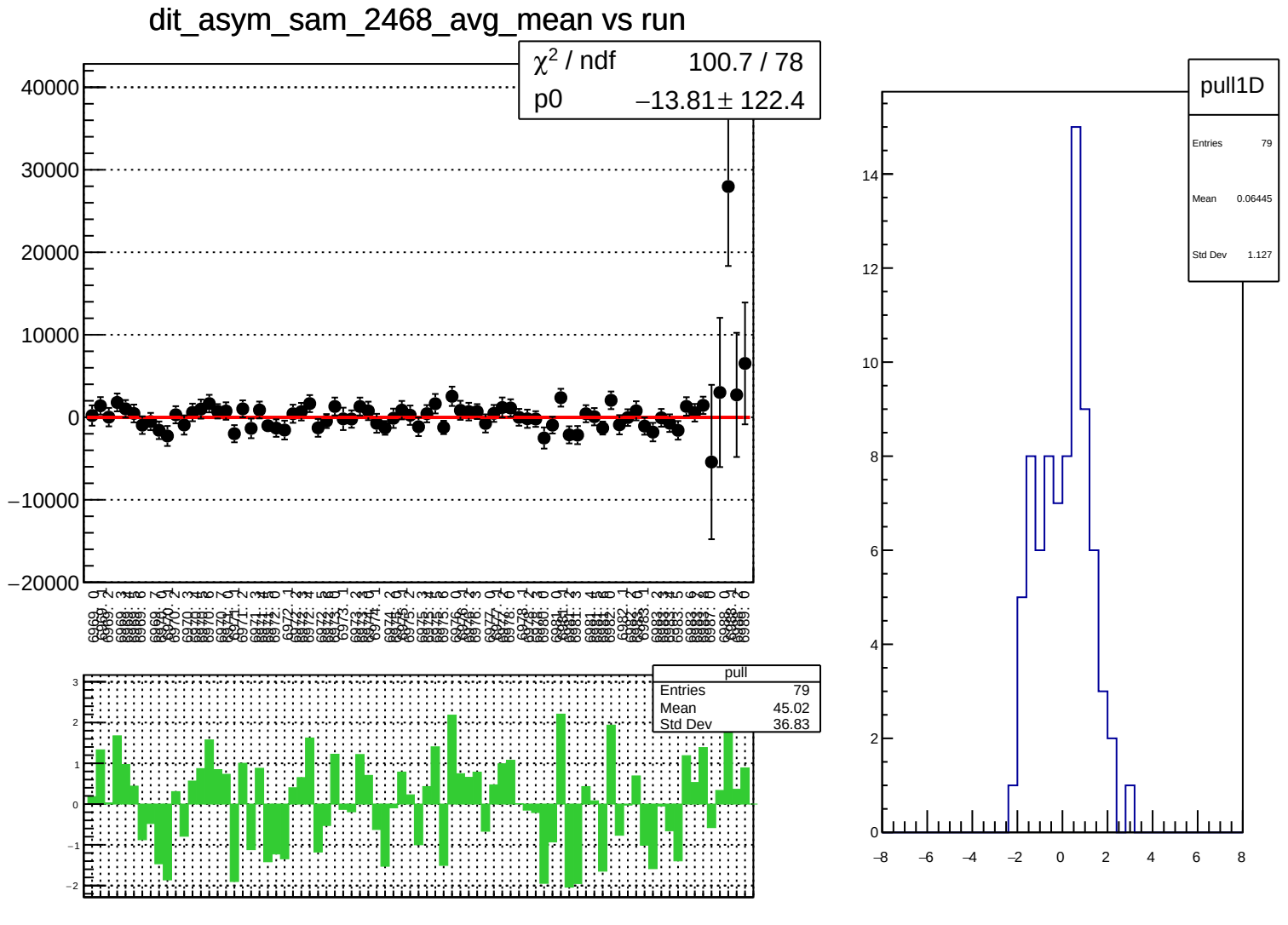



asym_sam_1357_avg_correction_mean vs run
χ² / ndf 67.01 / 78
p0 −295.2 ± 456
pull
Entries 79
Mean −75.1
Std Dev 115
pull1D
Entries 79
Mean 0.03925
Std Dev 0.9201

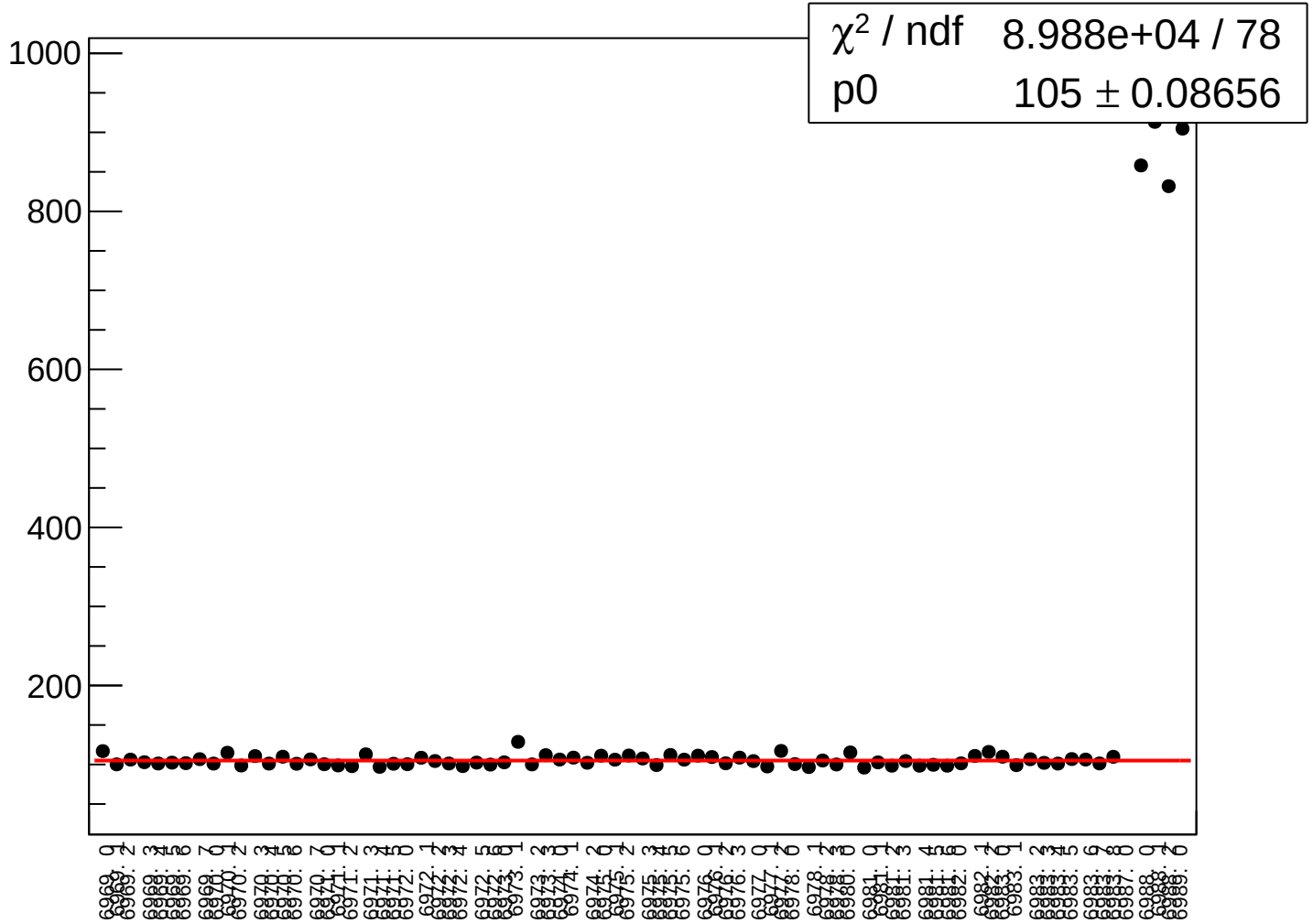

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 5.389e+04 / 78
p0 395.7 ± 0.3224
550
500
450
400
350
300
250

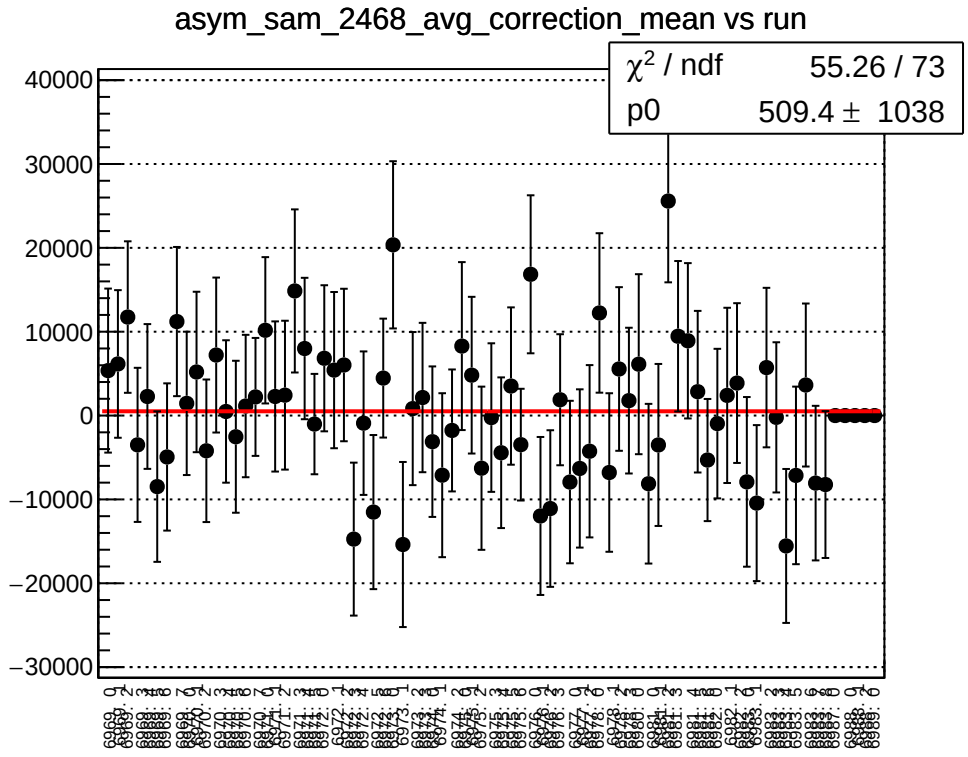

asym_sam_1357_avg_mean vs run
χ² / ndf 67.05 / 78
p0 154.7 ± 488.5
pull
Entries 79
Mean −1169
Std Dev 1211
pull1D
Entries 79
Mean −0.003661
Std Dev 0.9212

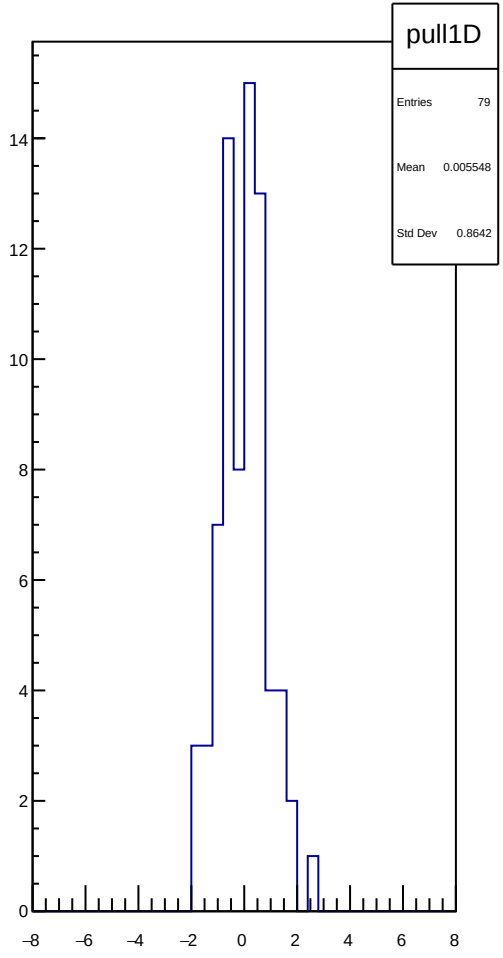

asym_sam_1357_avg_rms vs run
χ² / ndf 7990 / 78
p0 430.4 ± 0.3455
580
560
540
520
500
480
460
440
420
400
380

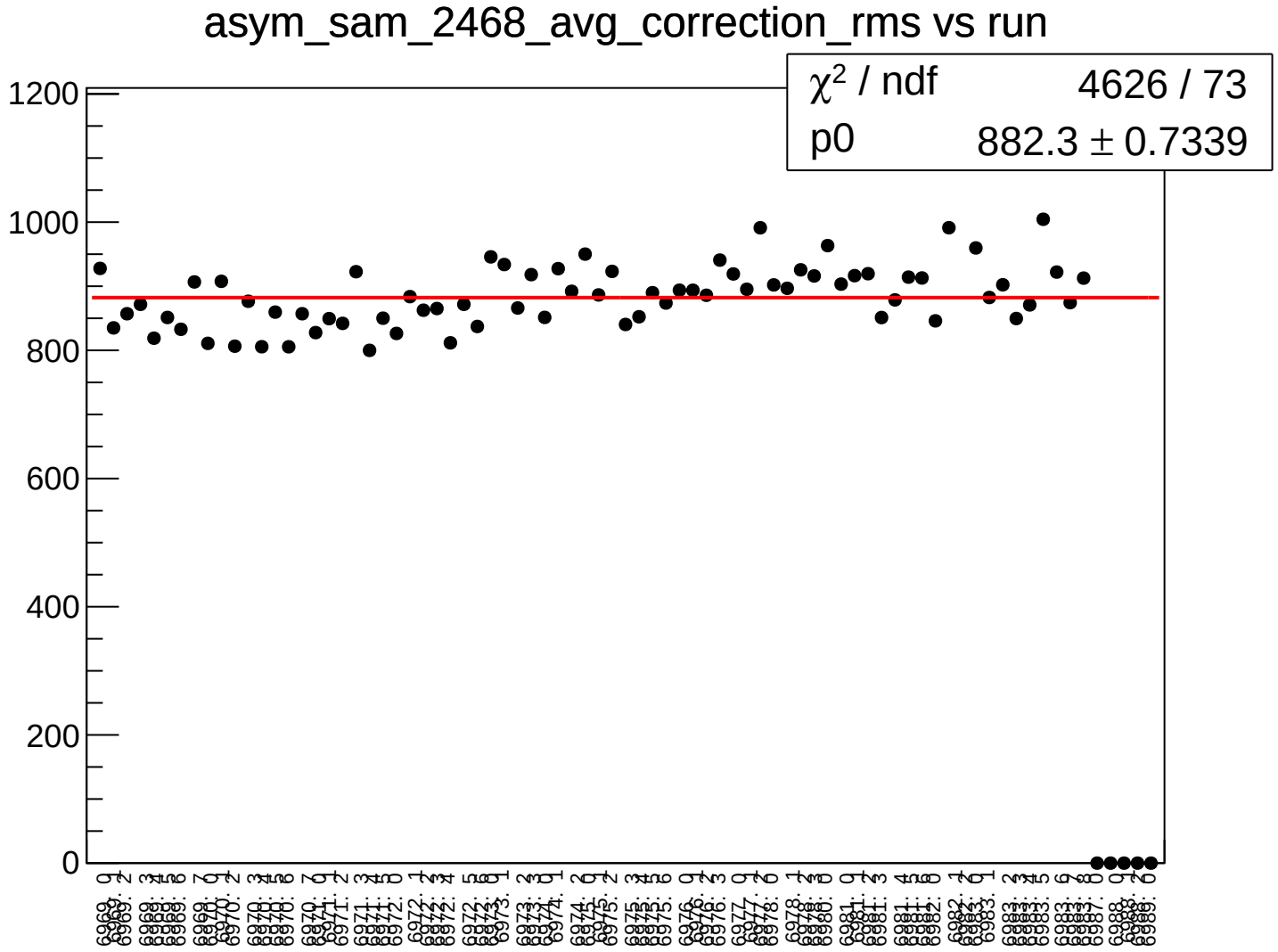

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 100.7 / 78
p0 −13.81 ± 122.4
pull
Entries 79
Mean 45.02
Std Dev 36.83
pull1D
Entries 79
Mean 0.06445
Std Dev 1.127

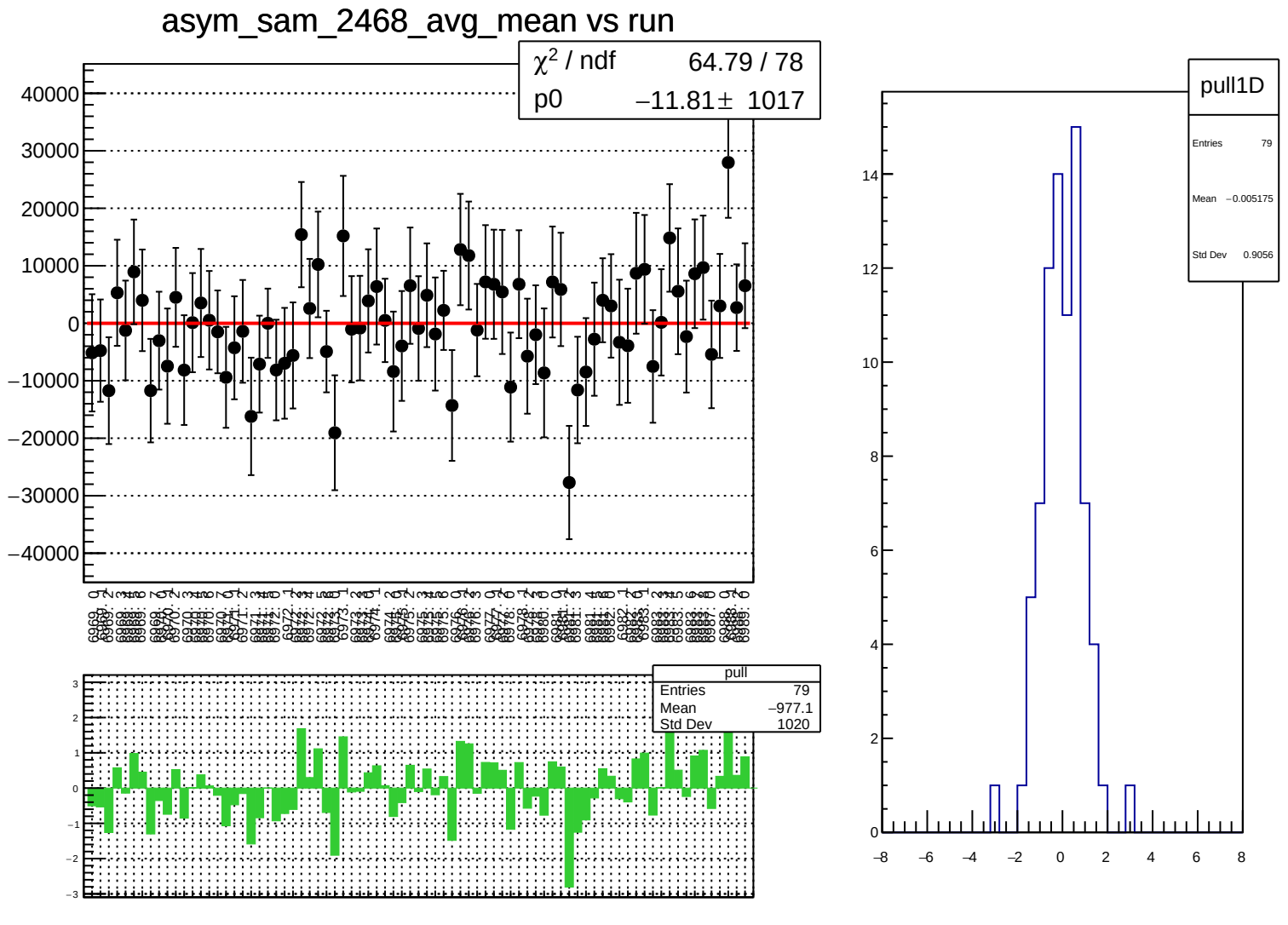
dit_asym_sam_2468_avg_rms vs run

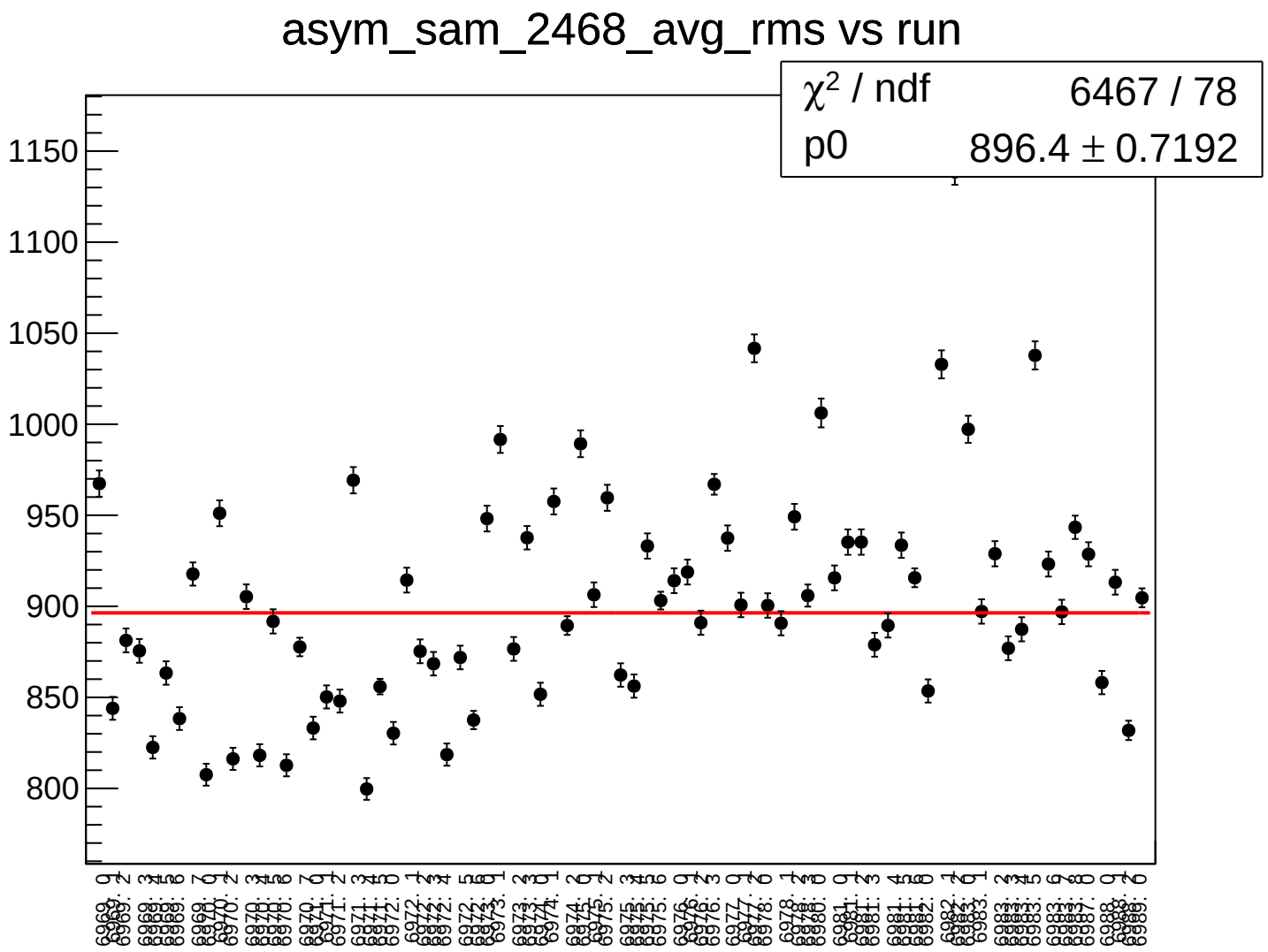


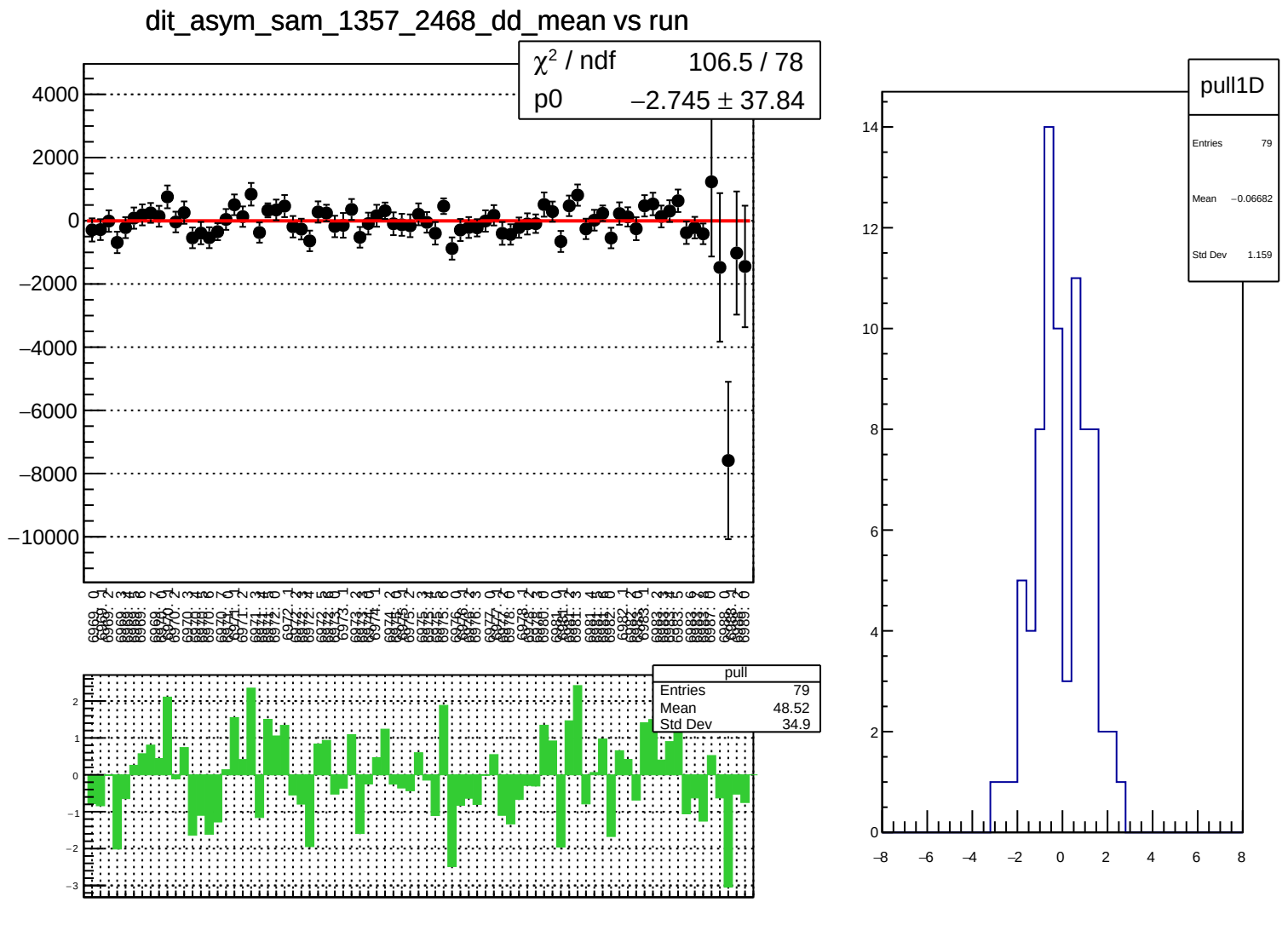

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 55.26 / 73
p0 509.4 ± 1038
40000
30000
20000
10000
0
−10000
−20000
−30000


pull1D
Entries 79
Mean 0.005548
Std Dev 0.8642
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

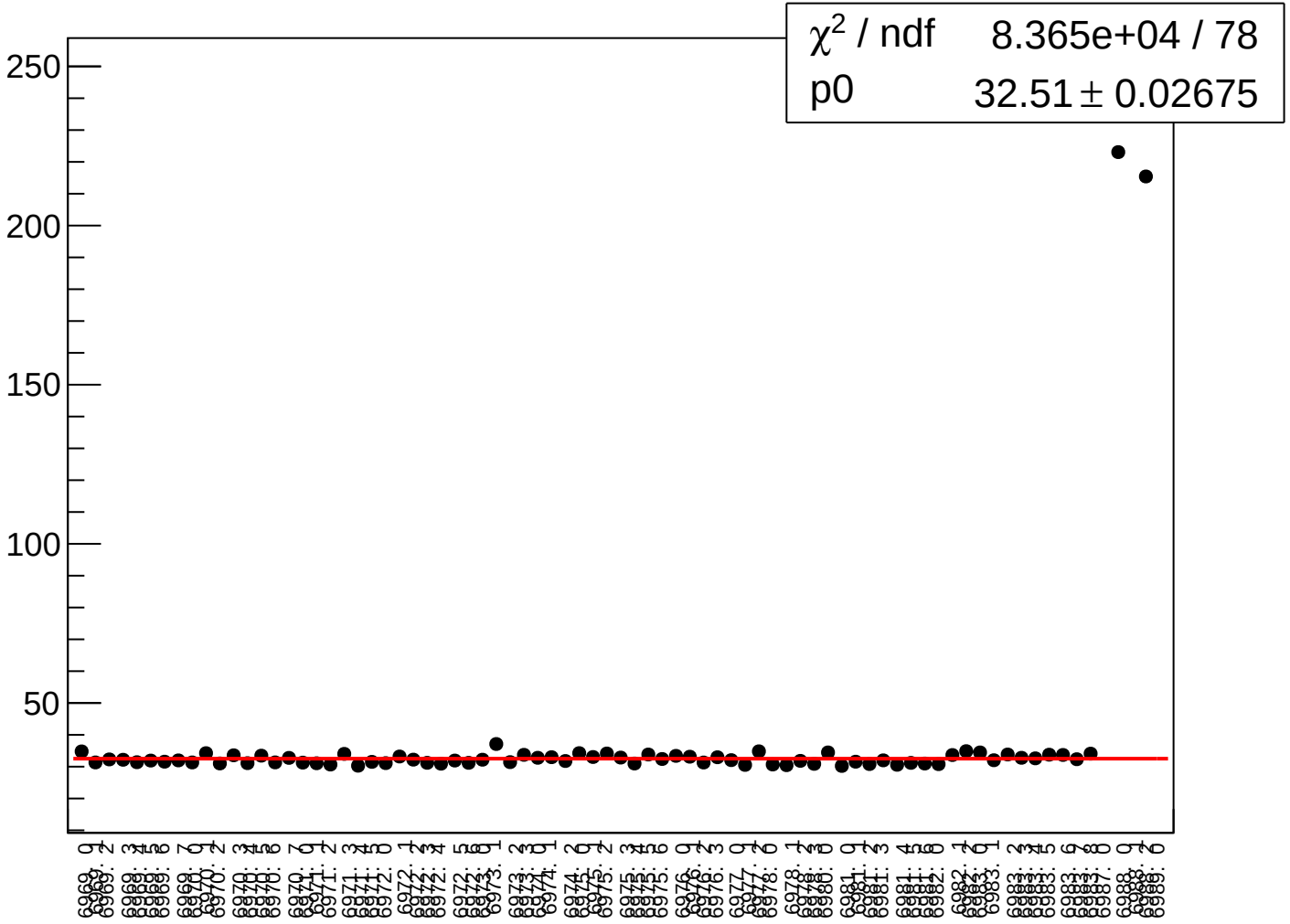

asym_sam_2468_avg_correction_rms vs run
χ^2 / ndf 4626 / 73
p0 882.3 ± 0.7339
1200
1000
800
600
400
200
0

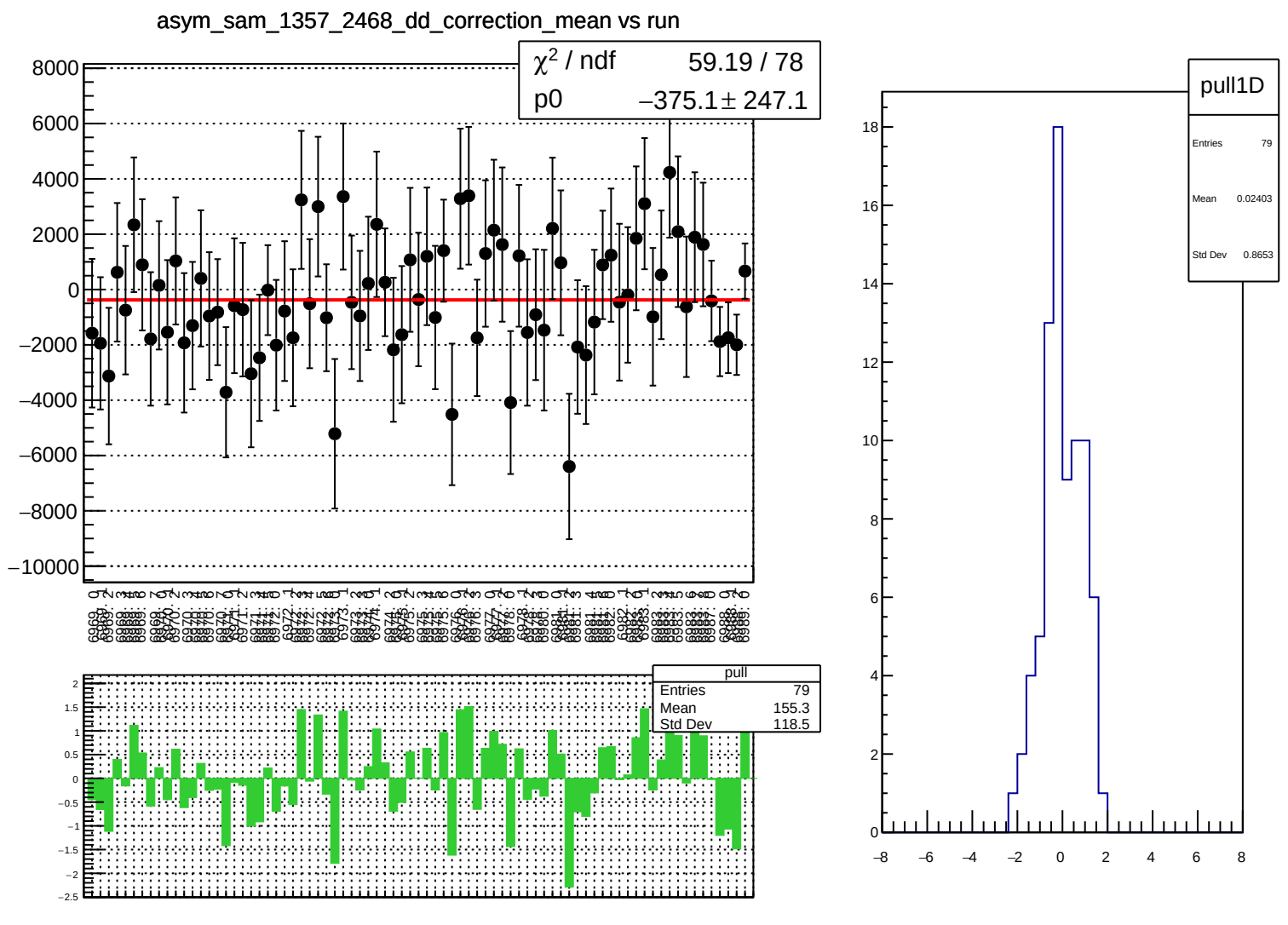

asym_sam_2468_avg_mean vs run
χ² / ndf 64.79 / 78
p0 −11.81± 1017
pull
Entries 79
Mean −977.1
Std Dev 1020
pull1D
Entries 79
Mean −0.005175
Std Dev 0.9056

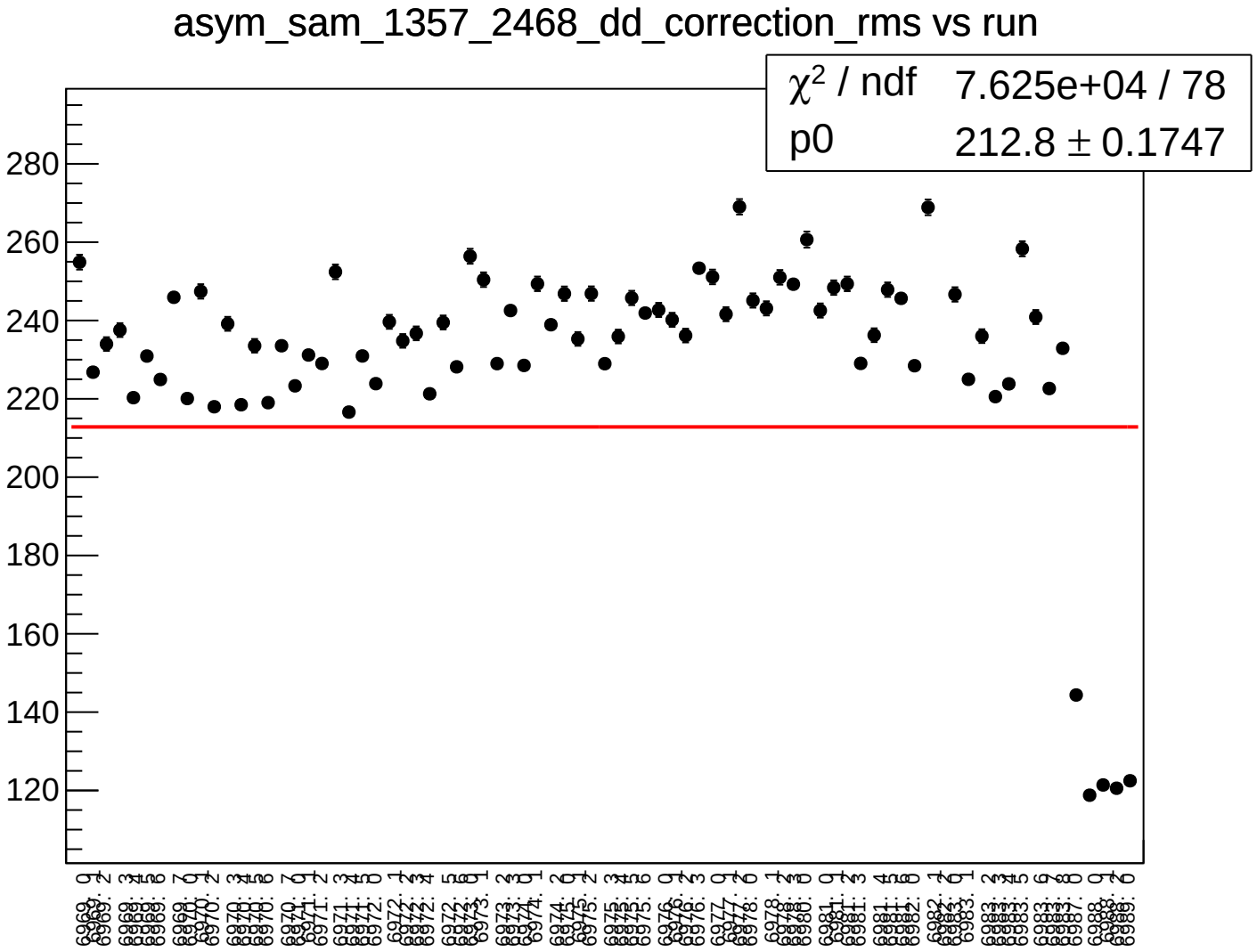

asym_sam_2468_avg_rms vs run
χ² / ndf 6467 / 78
p0 896.4 ± 0.7192
1150
1100
1050
1000
950
900
850
800

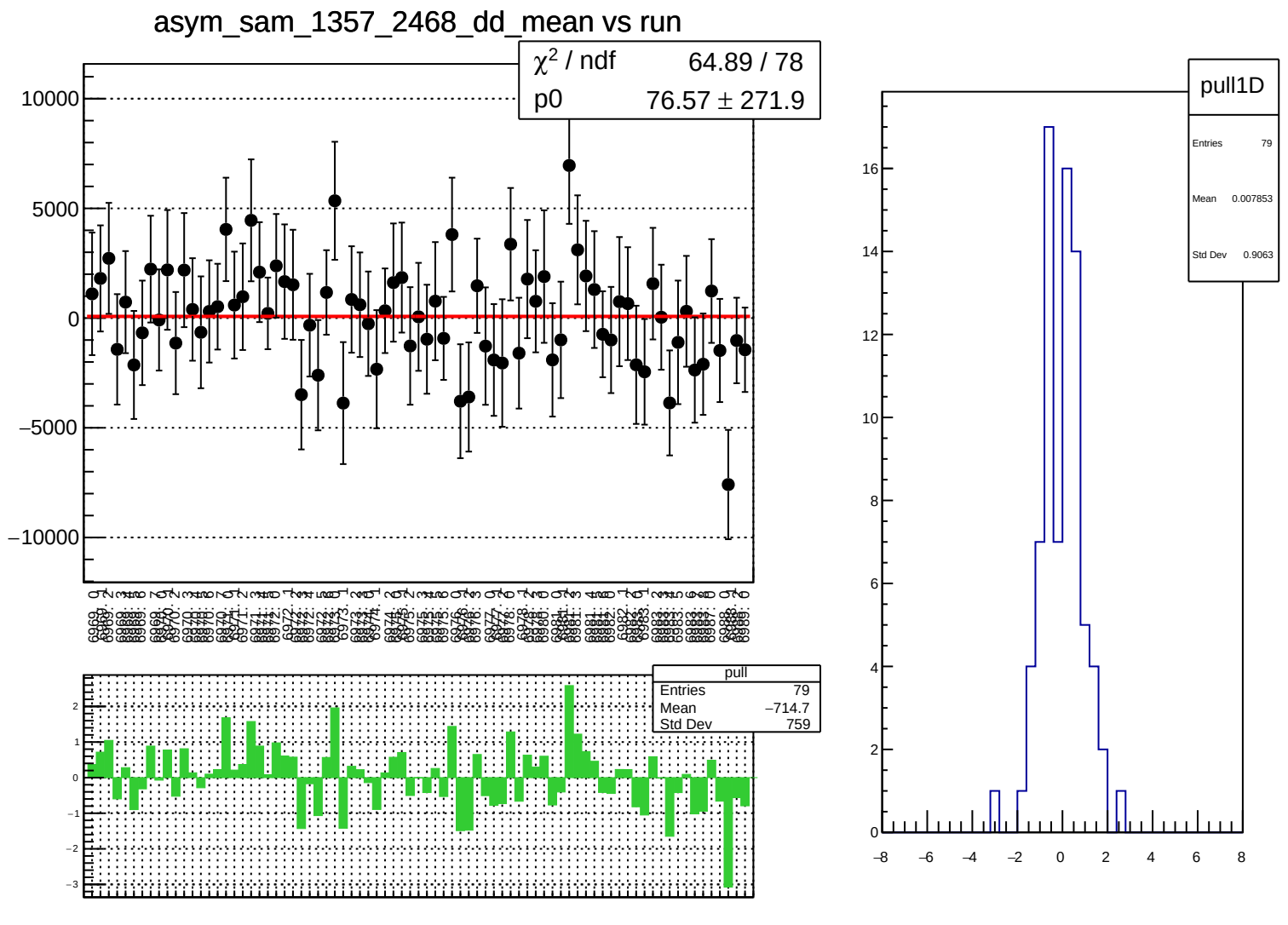

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 106.5 / 78
p0 −2.745 ± 37.84
pull
Entries 79
Mean 48.52
Std Dev 34.9
pull1D
Entries 79
Mean −0.06682
Std Dev 1.159

dit_asym_sam_1357_2468_dd_rms vs run

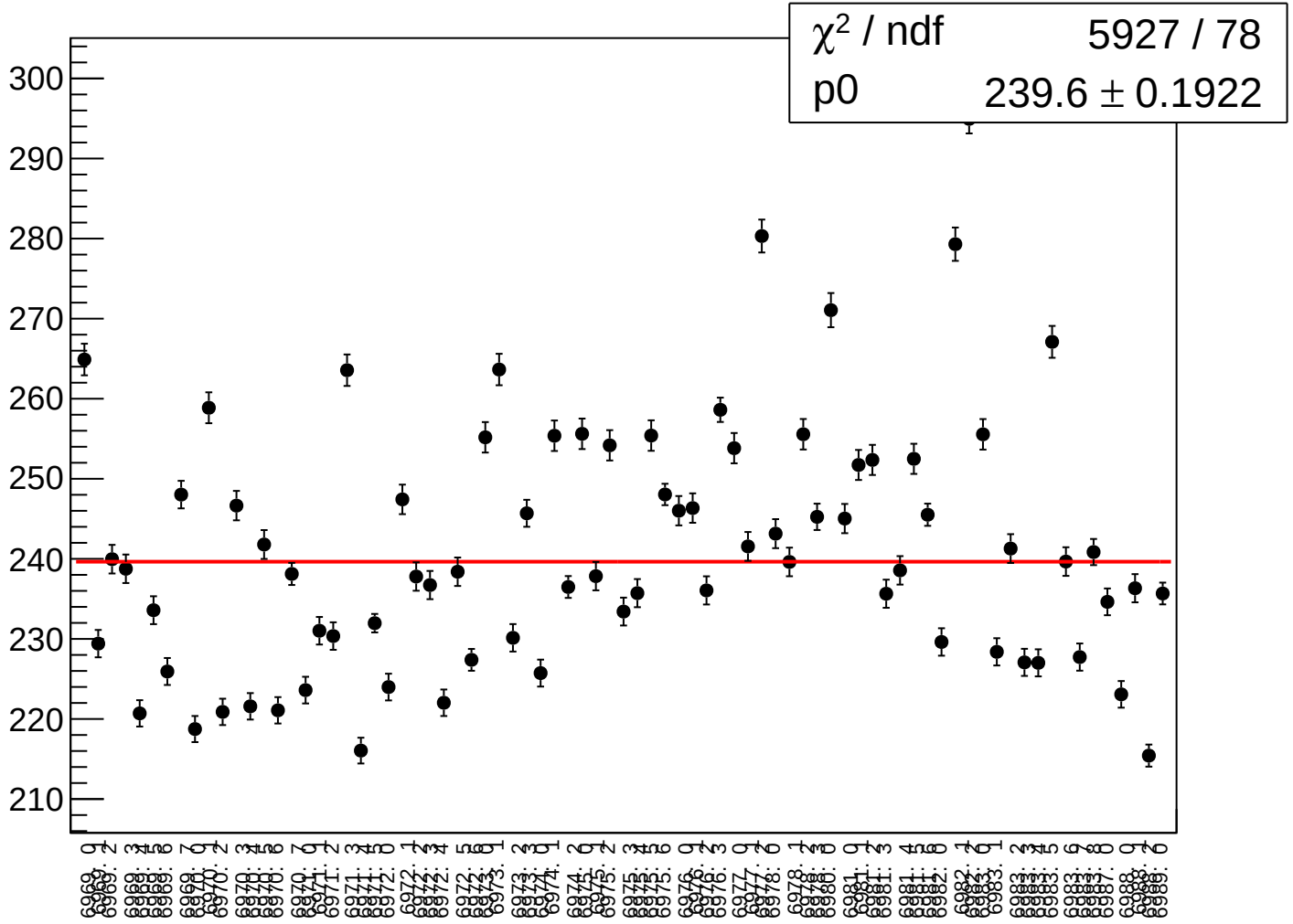


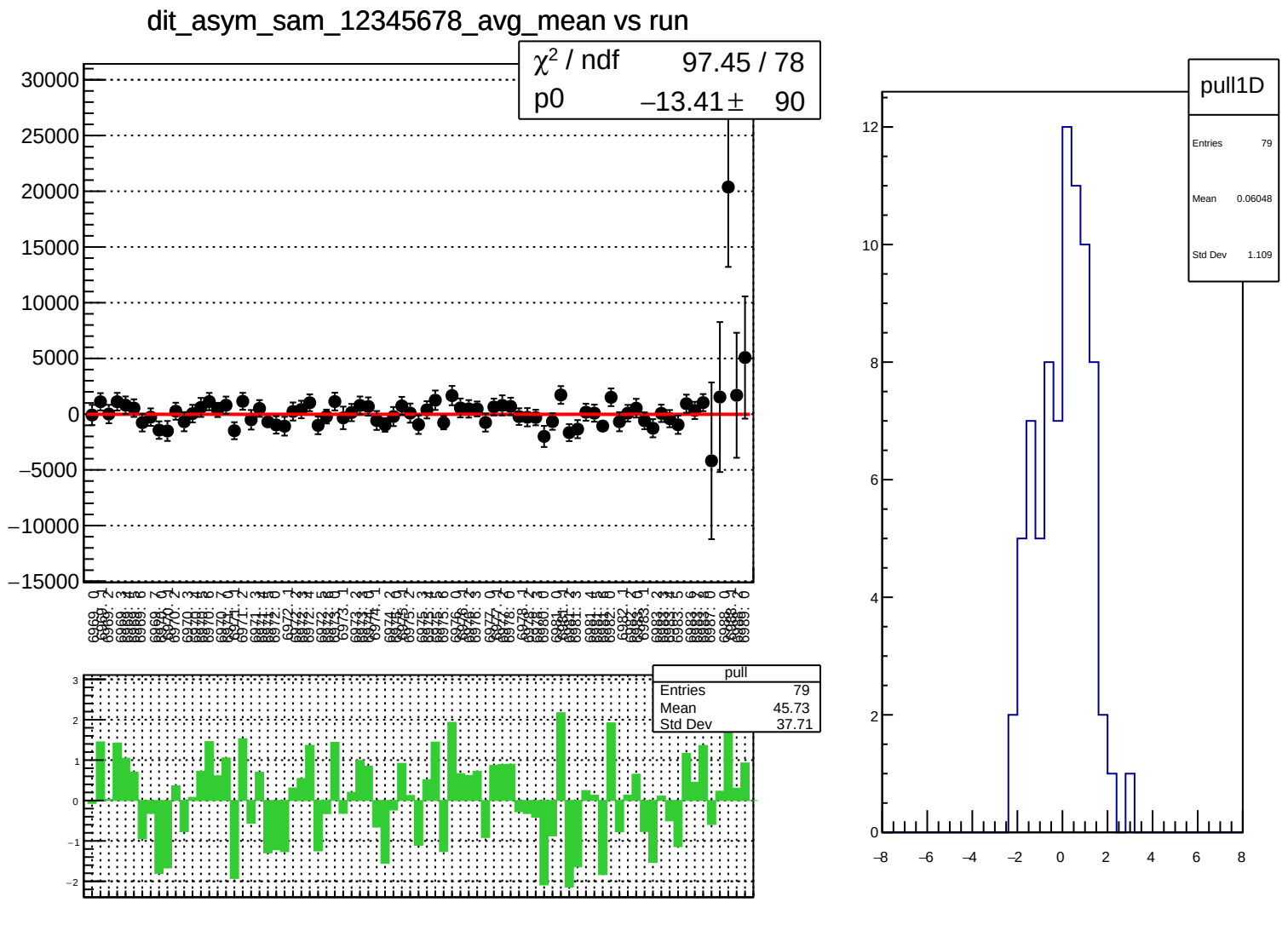

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 59.19 / 78
p0 −375.1 ± 247.1
pull
Entries 79
Mean 155.3
Std Dev 118.5
pull1D
Entries 79
Mean 0.02403
Std Dev 0.8653

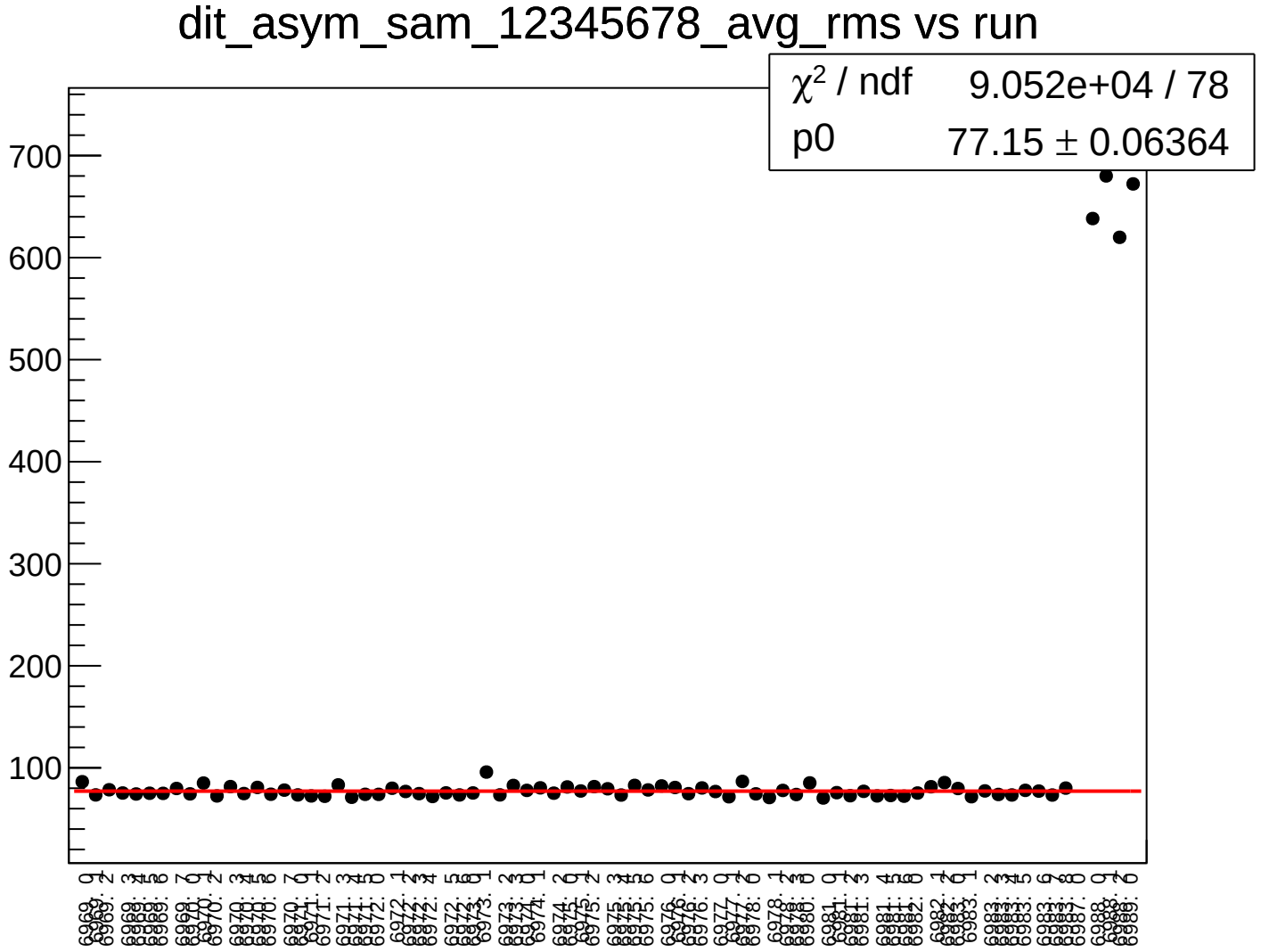

asym_sam_1357_2468_dd_correction_rms vs run
χ^2 / ndf 7.625e+04 / 78
p0 212.8 ± 0.1747
280
260
240
220
200
180
160
140
120

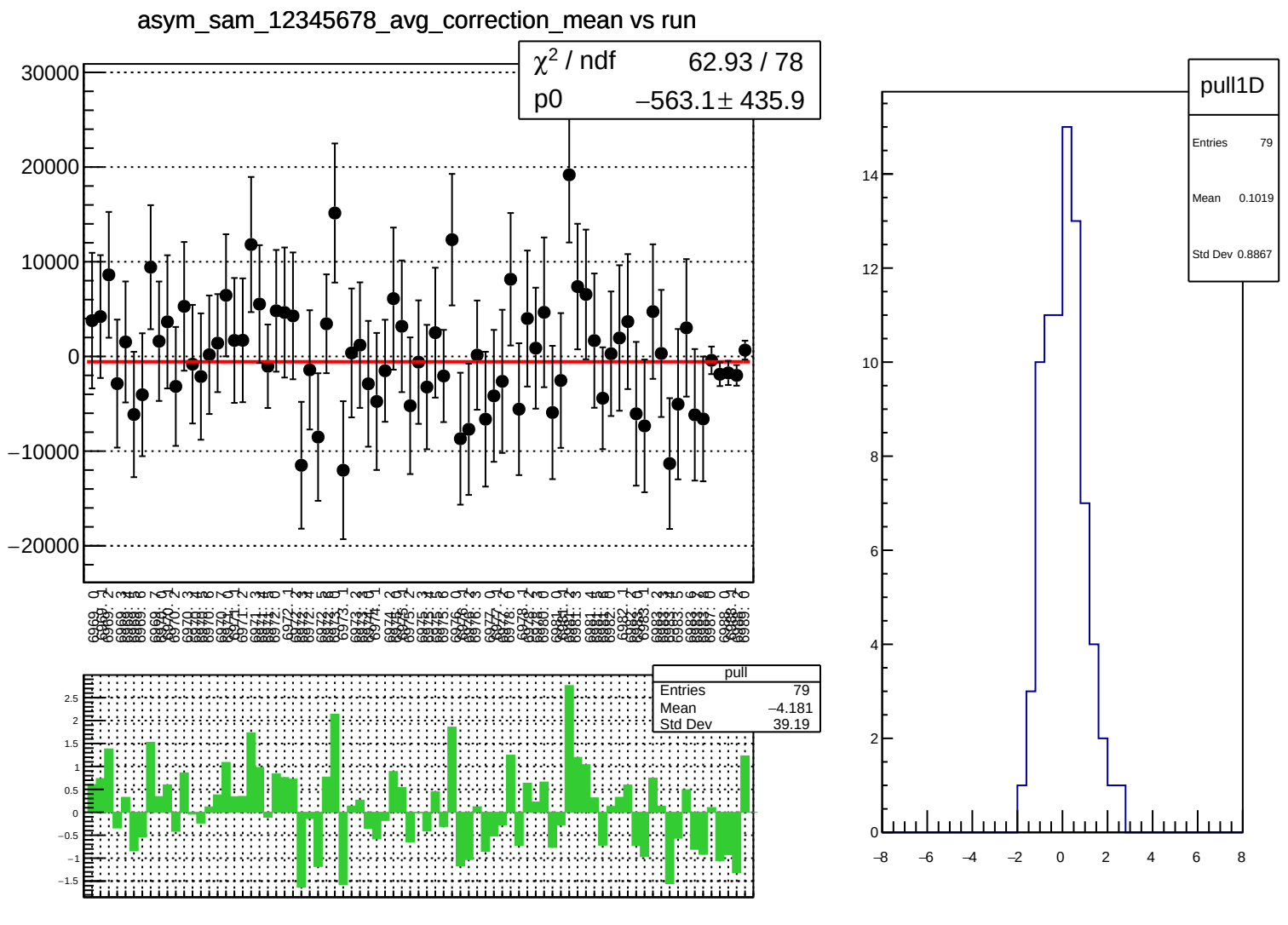

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 64.89 / 78
p0 76.57 ± 271.9
10000
5000
0
−5000
−10000
pull
Entries 79
Mean −714.7
Std Dev 759
pull1D
Entries 79
Mean 0.007853
Std Dev 0.9063

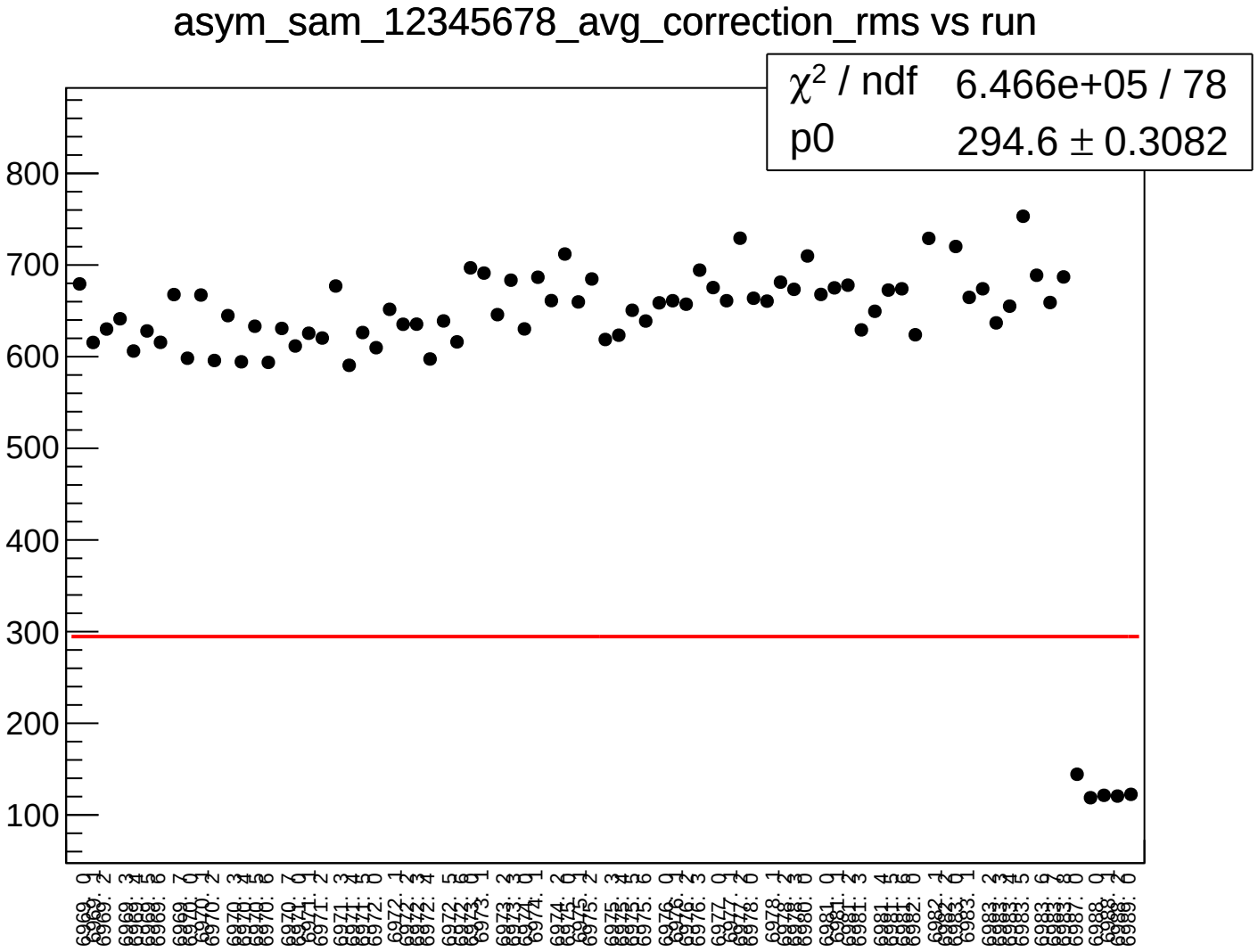
asym_sam_1357_2468_dd_rms vs run

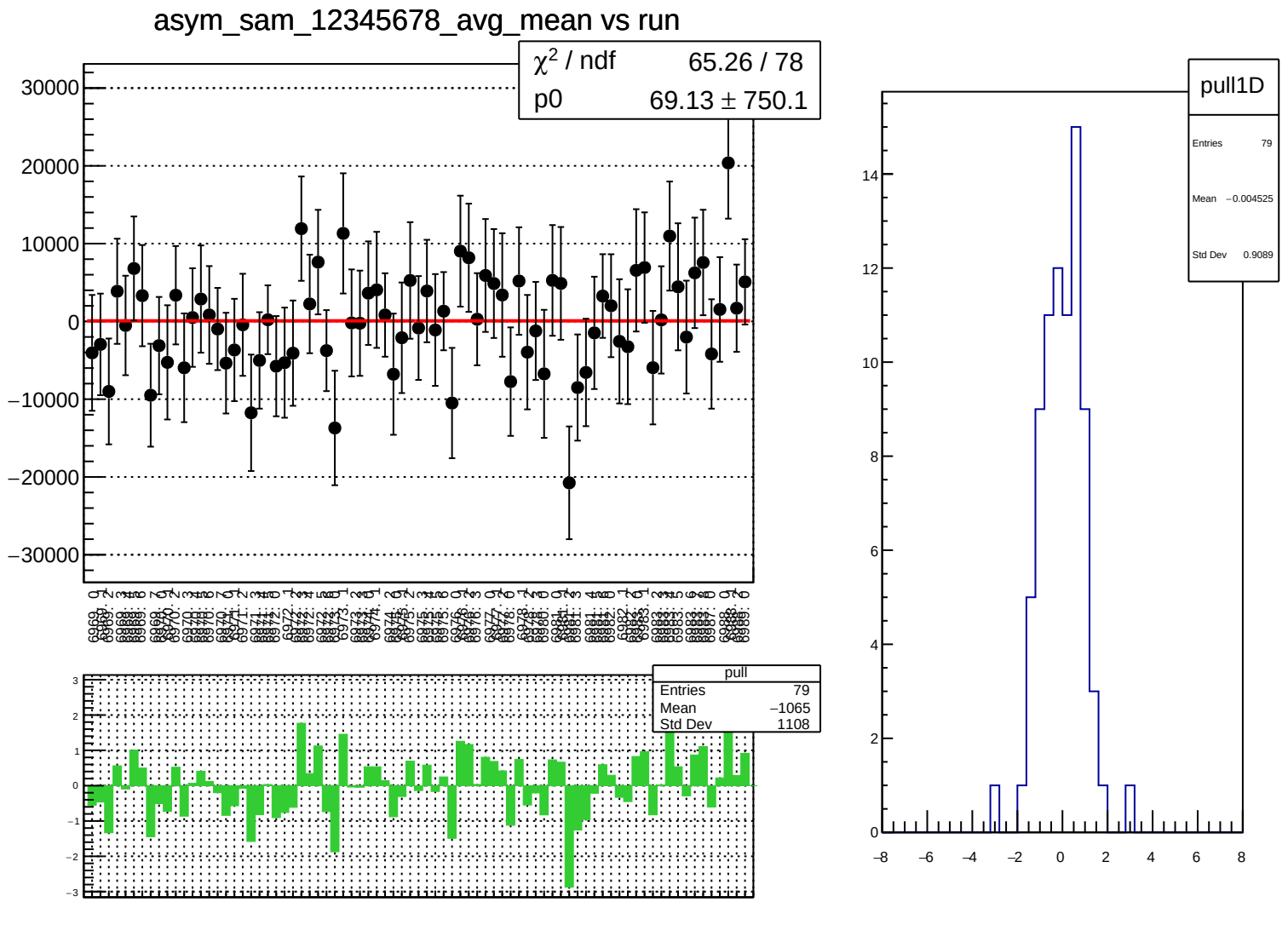



dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 97.45 / 78
p0 −13.41 ± 90
pull
Entries 79
Mean 45.73
Std Dev 37.71
pull1D
Entries 79
Mean 0.06048
Std Dev 1.109

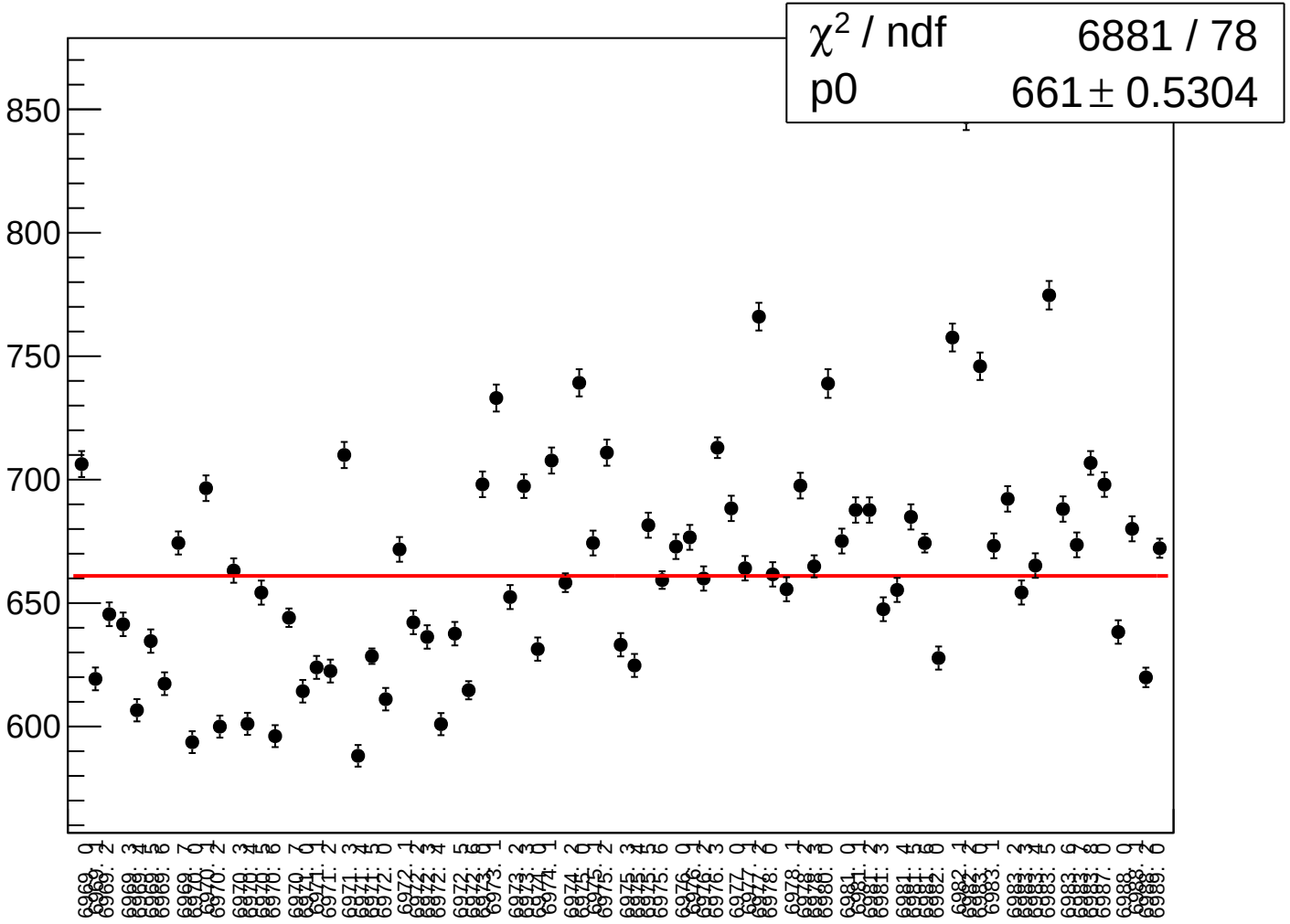

dit_asym_sam_12345678_avg_rms vs run
χ2 / ndf 9.052e+04 / 78
p0 77.15 ± 0.06364
700
600
500
400
300
200
100

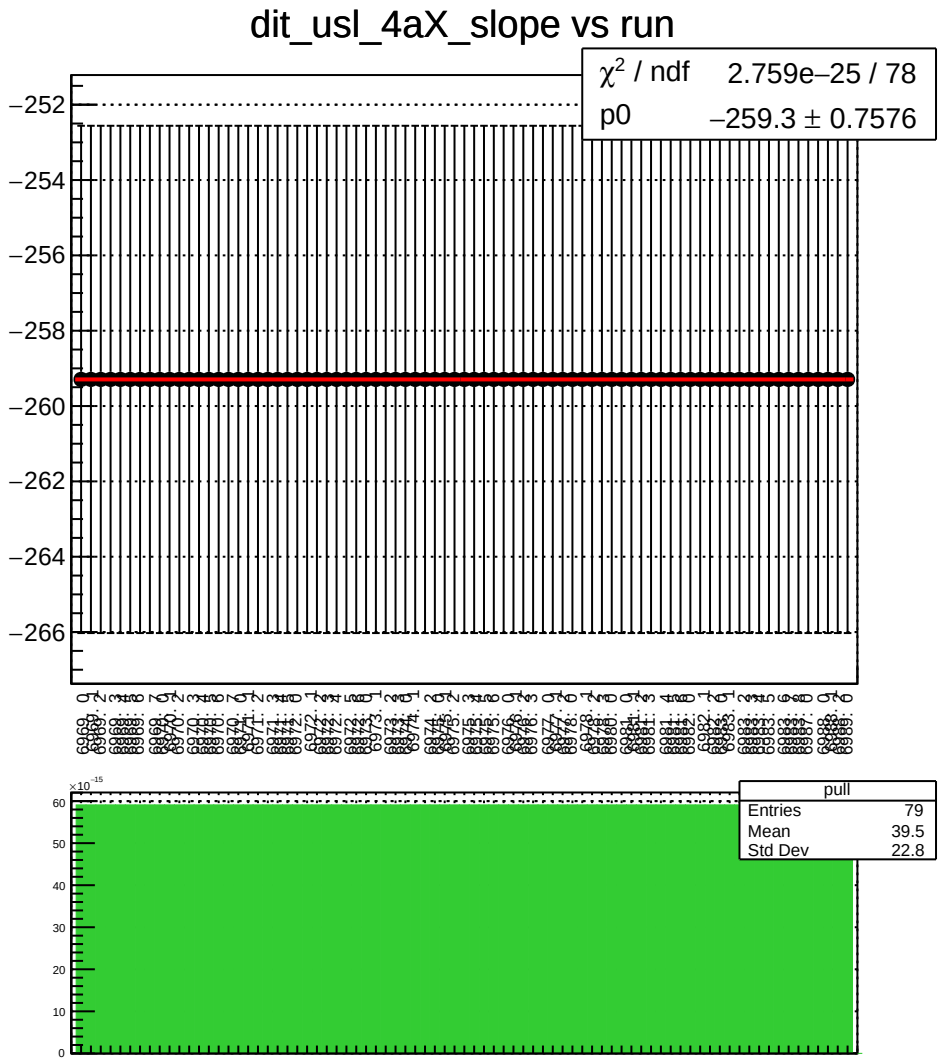

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 62.93 / 78
p0 −563.1 ± 435.9
30000
20000
10000
0
−10000
−20000
pull
Entries 79
Mean −4.181
Std Dev 39.19
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 79
Mean 0.1019
Std Dev 0.8867
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

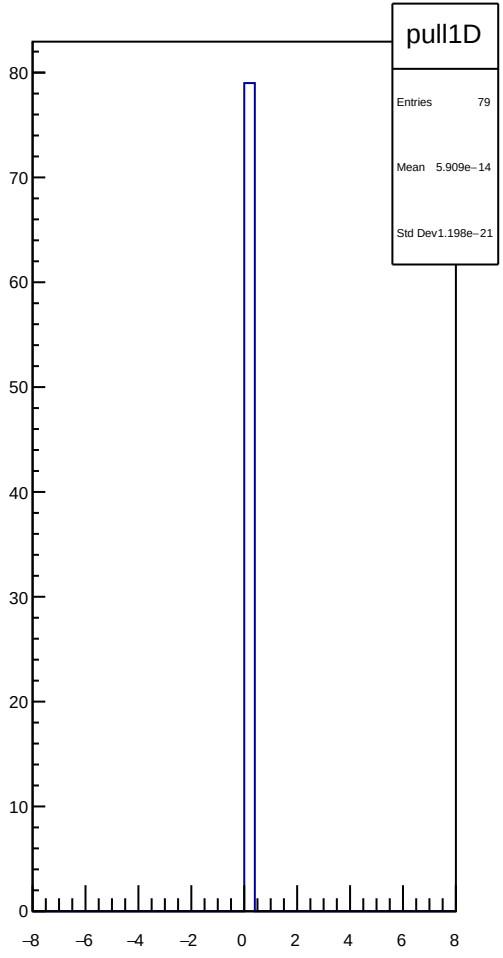

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 6.466e+05 / 78
p0 294.6 ± 0.3082
800
700
600
500
400
300
200
100

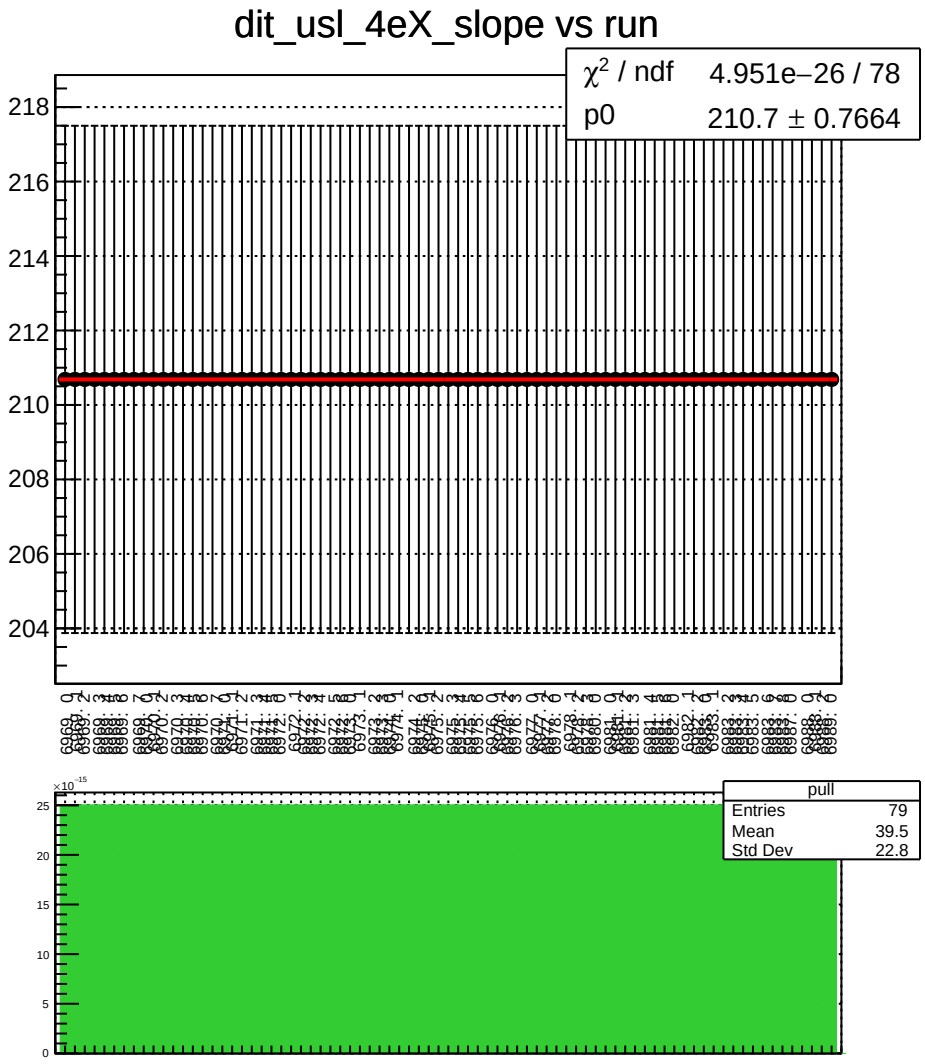

asym_sam_12345678_avg_mean vs run
χ² / ndf 65.26 / 78
p0 69.13 ± 750.1
pull
Entries 79
Mean −1065
Std Dev 1108
pull1D
Entries 79
Mean −0.004525
Std Dev 0.9089

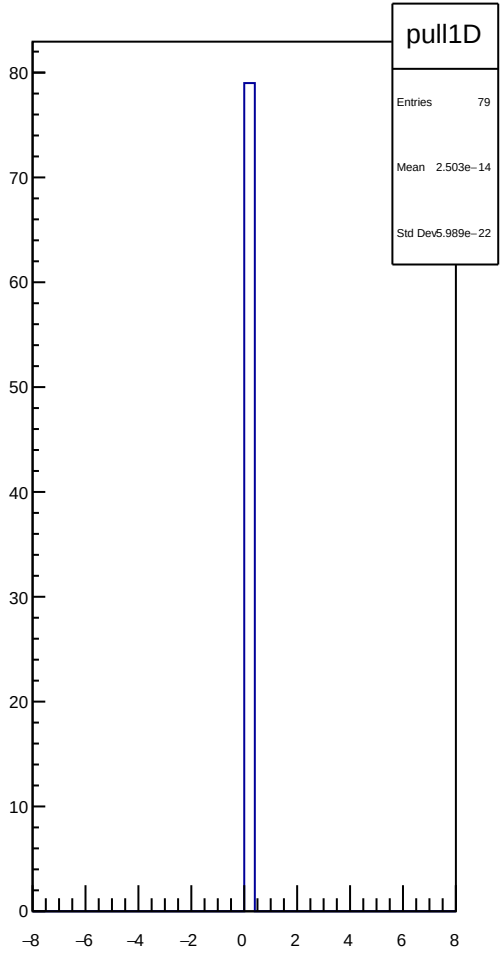
asym_sam_12345678_avg_rms vs run



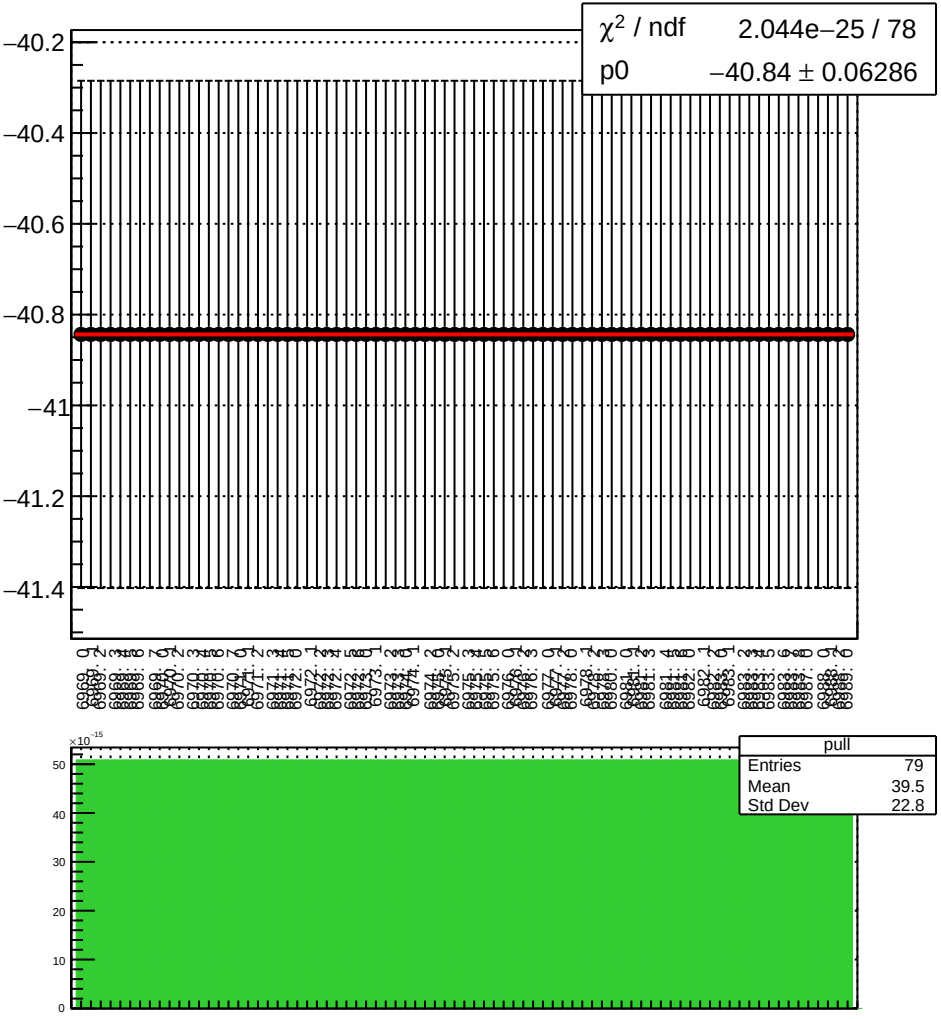

dit_usl_4aX_slope vs run
χ² / ndf 2.759e−25 / 78
p0 −259.3 ± 0.7576
−252
−254
−256
−258
−260
−262
−264
−266
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹⁵
60
50
40
30
20
10
0

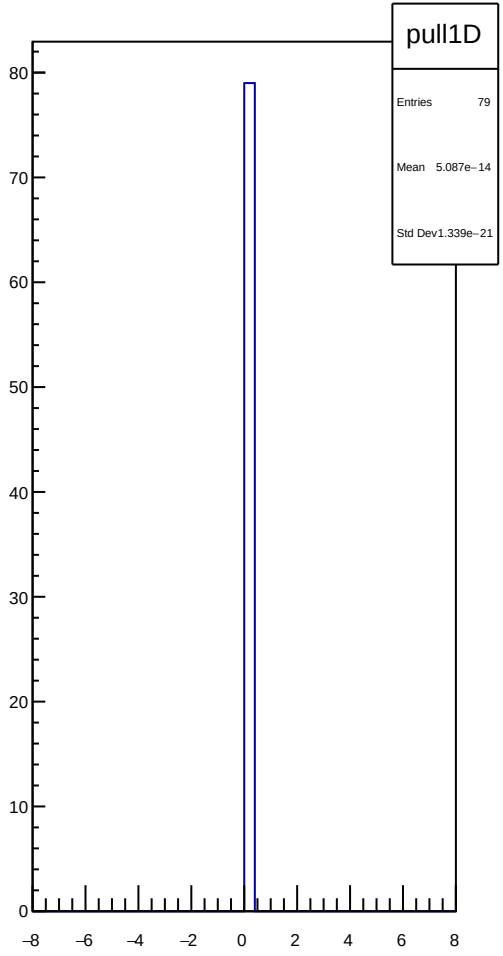

pull1D
Entries 79
Mean 5.909e−14
Std Dev 1.198e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

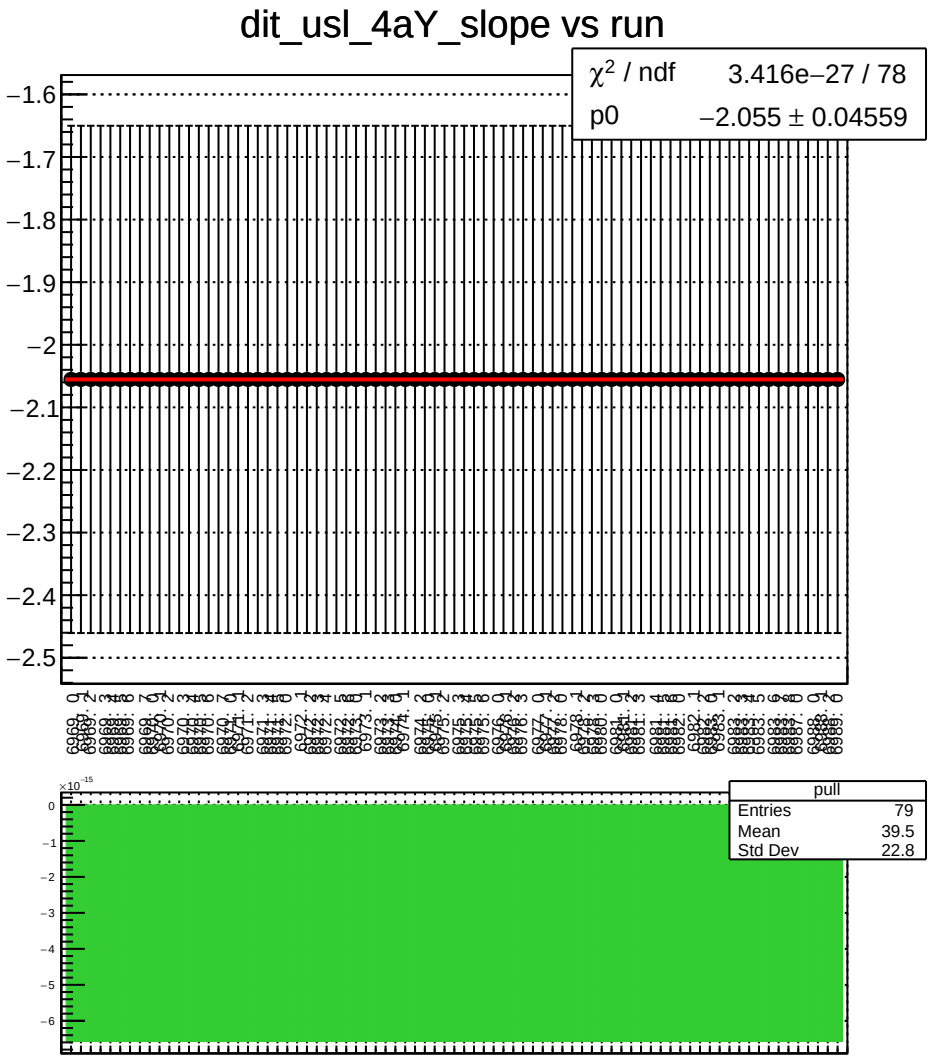

dit_usl_4eX_slope vs run
χ^2 / ndf 4.951e−26 / 78
p0 210.7 ± 0.7664
pull
Entries 79
Mean 39.5
Std Dev 22.8

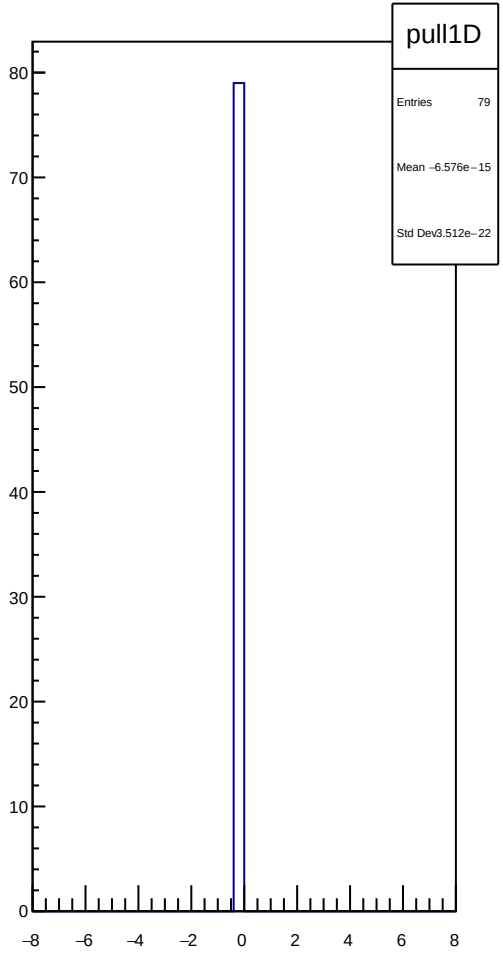

pull1D
Entries 79
Mean 2.503e−14
Std Dev 5.989e−22

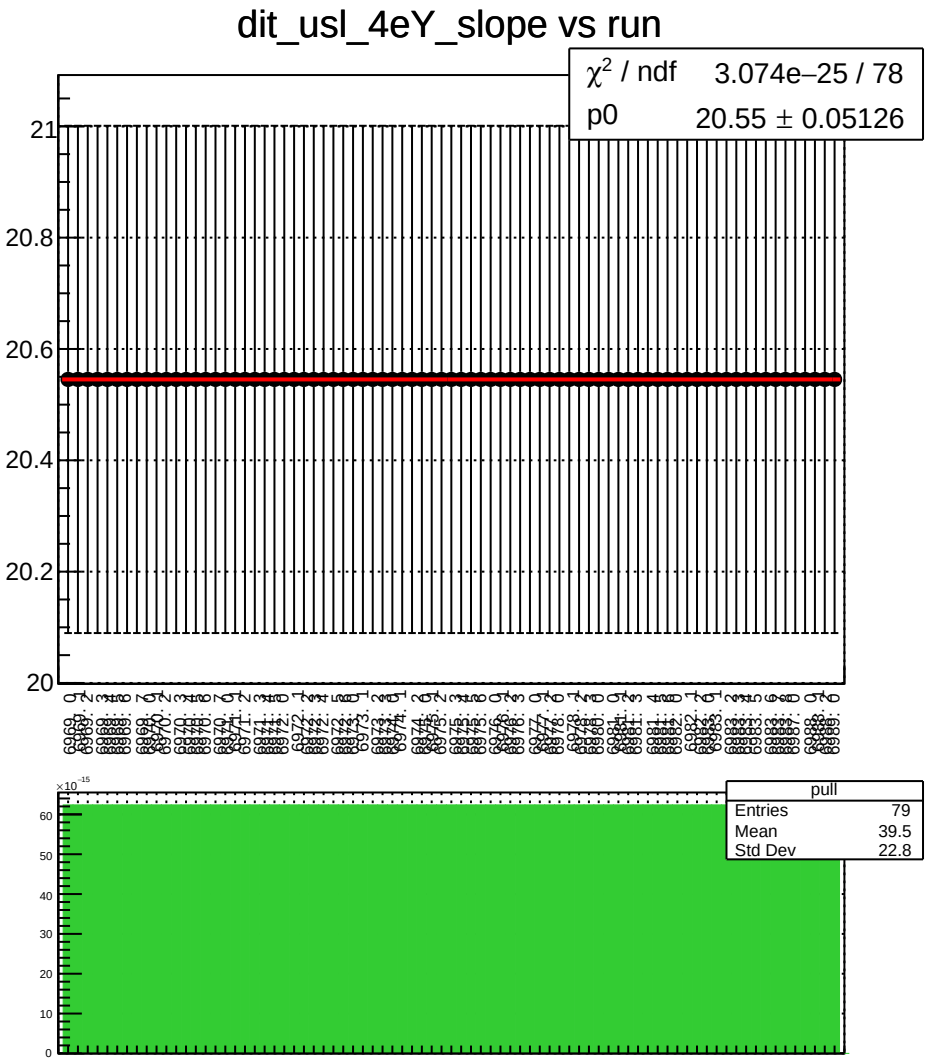
dit_usl_11X12X_slope vs run

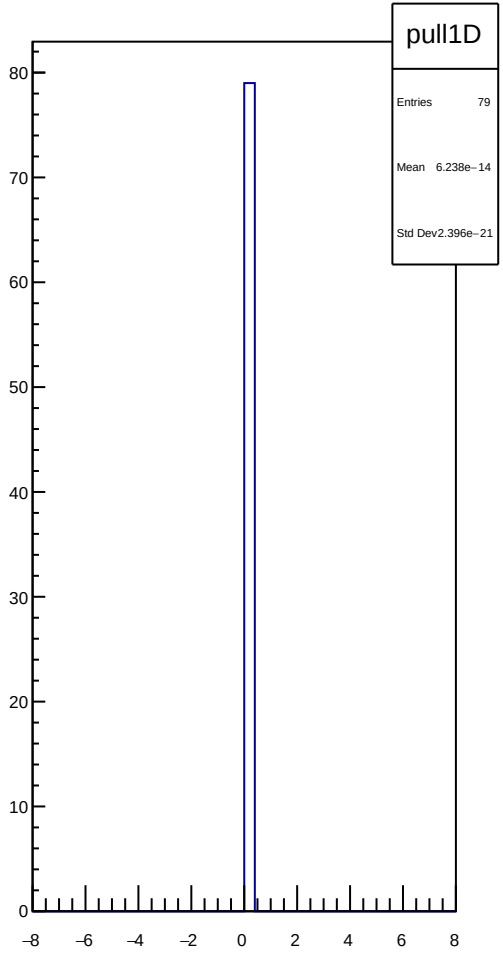


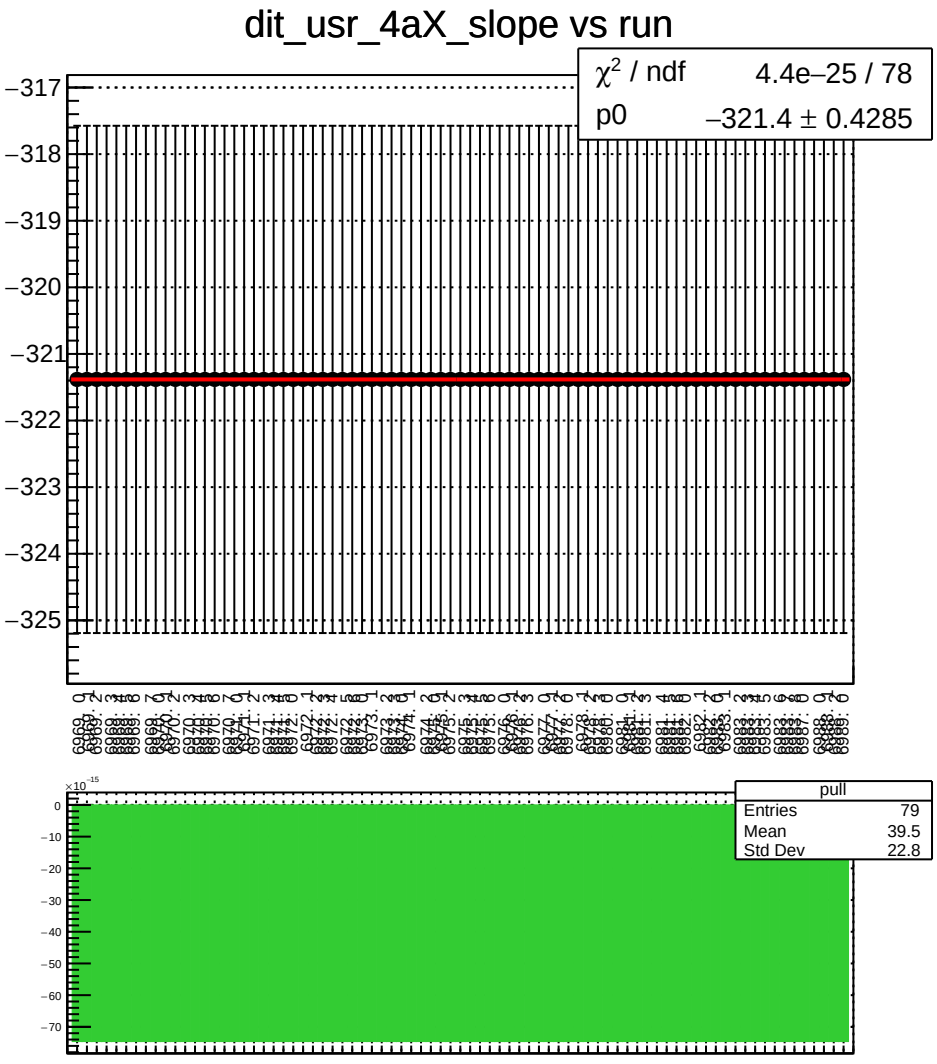


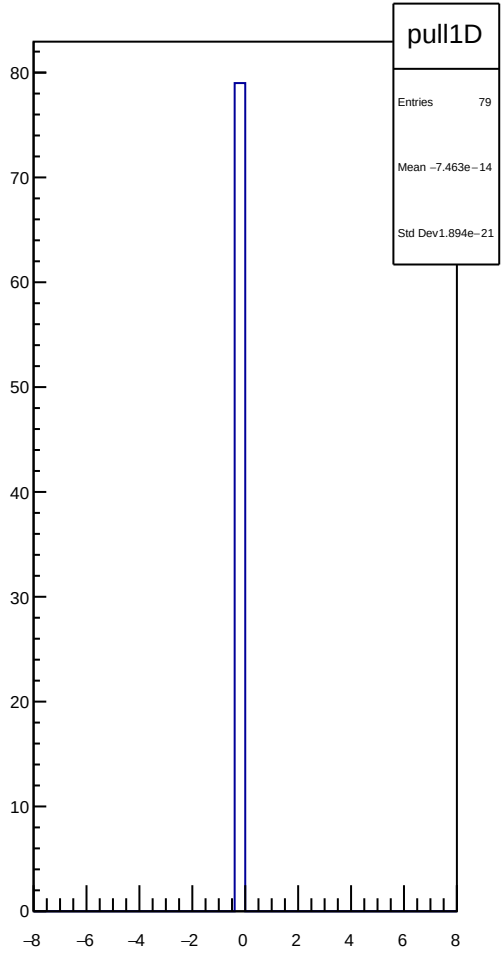

dit_usl_4aY_slope vs run
χ² / ndf 3.416e−27 / 78
p0 −2.055 ± 0.04559
pull
Entries 79
Mean 39.5
Std Dev 22.8

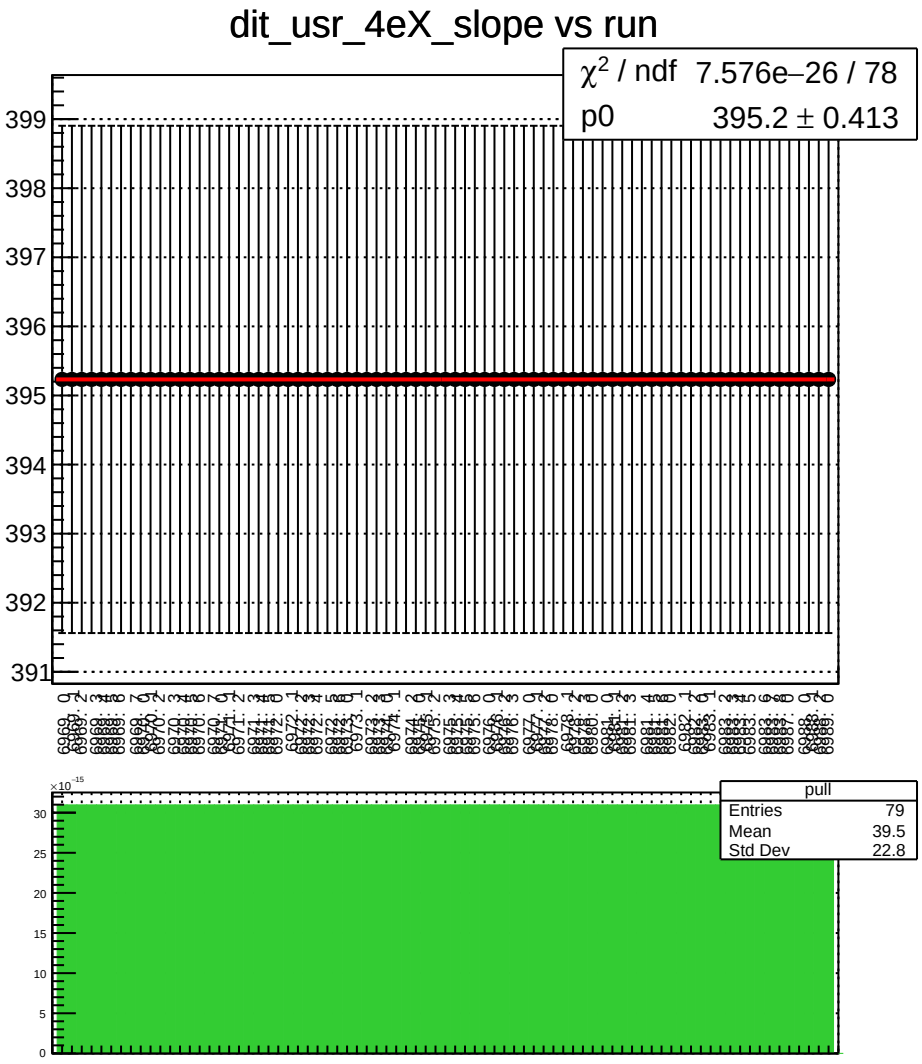

pull1D
Entries 79
Mean −6.576e−15
Std Dev 3.512e−22

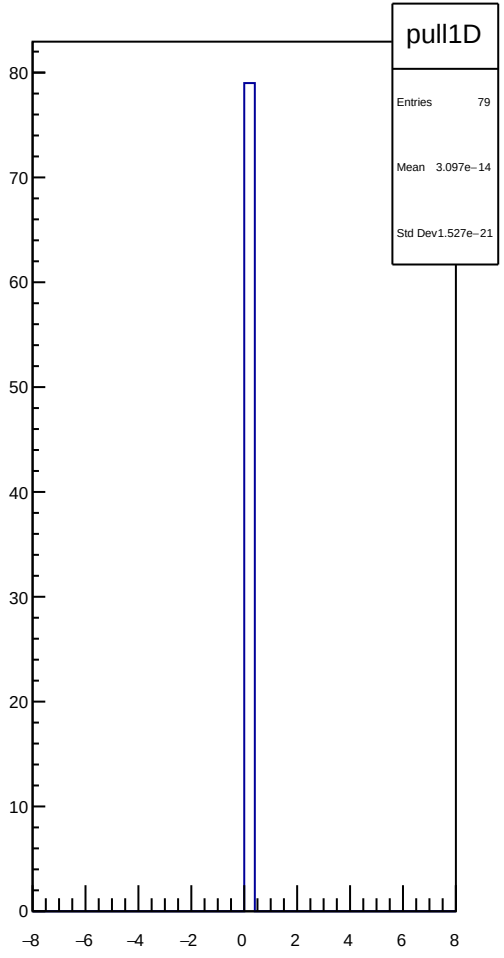

dit_usl_4eY_slope vs run
χ^2 / ndf 3.074e−25 / 78
p0 20.55 ± 0.05126
21
20.8
20.6
20.4
20.2
20
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10^−15
60
50
40
30
20
10
0


pull1D
Entries 79
Mean 6.238e−14
Std Dev 2.396e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

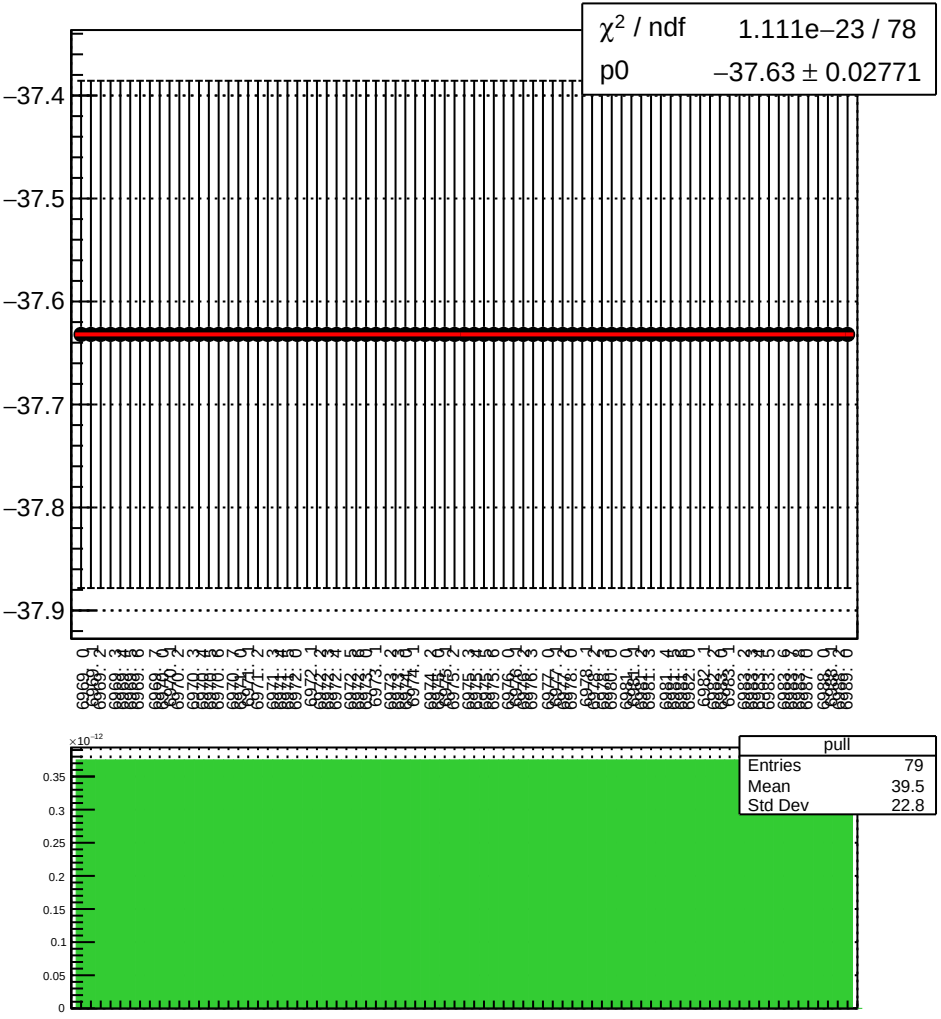

dit_usr_4aX_slope vs run
χ² / ndf 4.4e−25 / 78
p0 −321.4 ± 0.4285
−317
−318
−319
−320
−321
−322
−323
−324
−325
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70

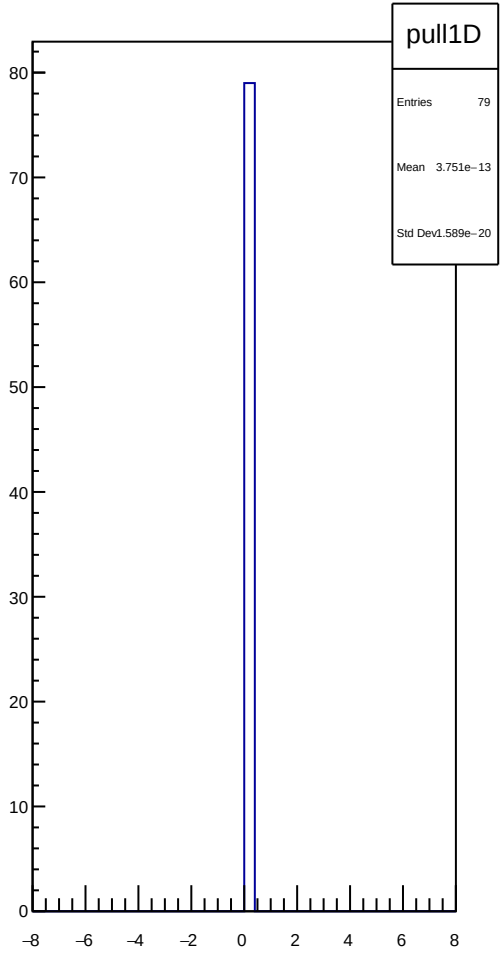

pull1D
Entries 79
Mean −7.463e−14
Std Dev 1.894e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

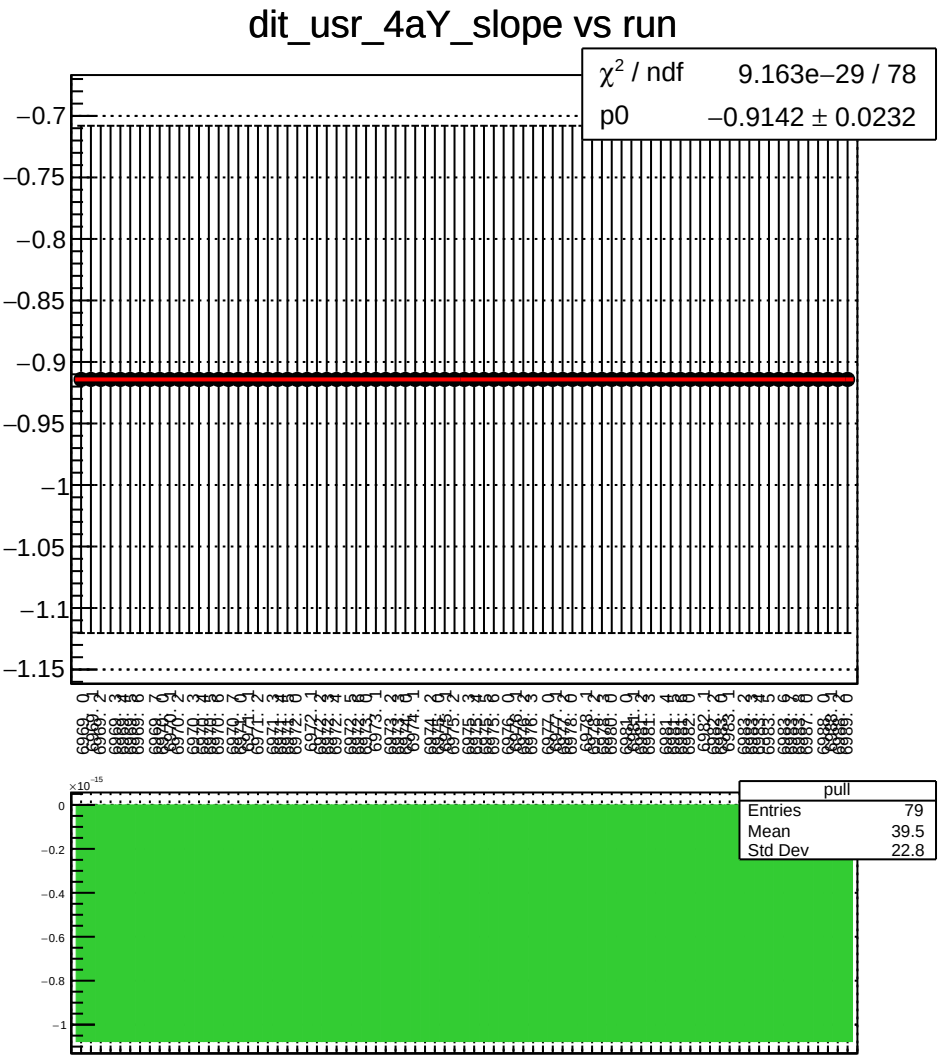

dit_usr_4eX_slope vs run
χ^2 / ndf 7.576e−26 / 78
p0 395.2 ± 0.413
399
398
397
396
395
394
393
392
391
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹⁵
30
25
20
15
10
5
0

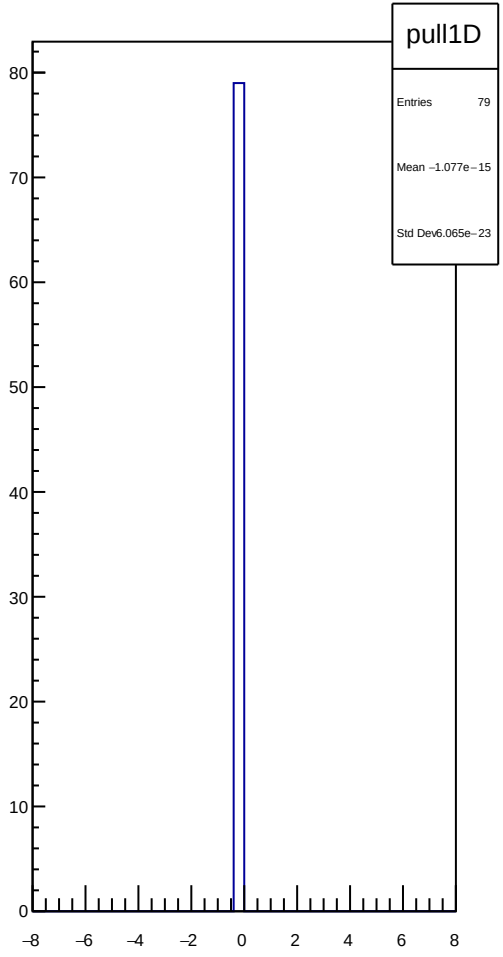

pull1D
Entries 79
Mean 3.097e−14
Std Dev1.527e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

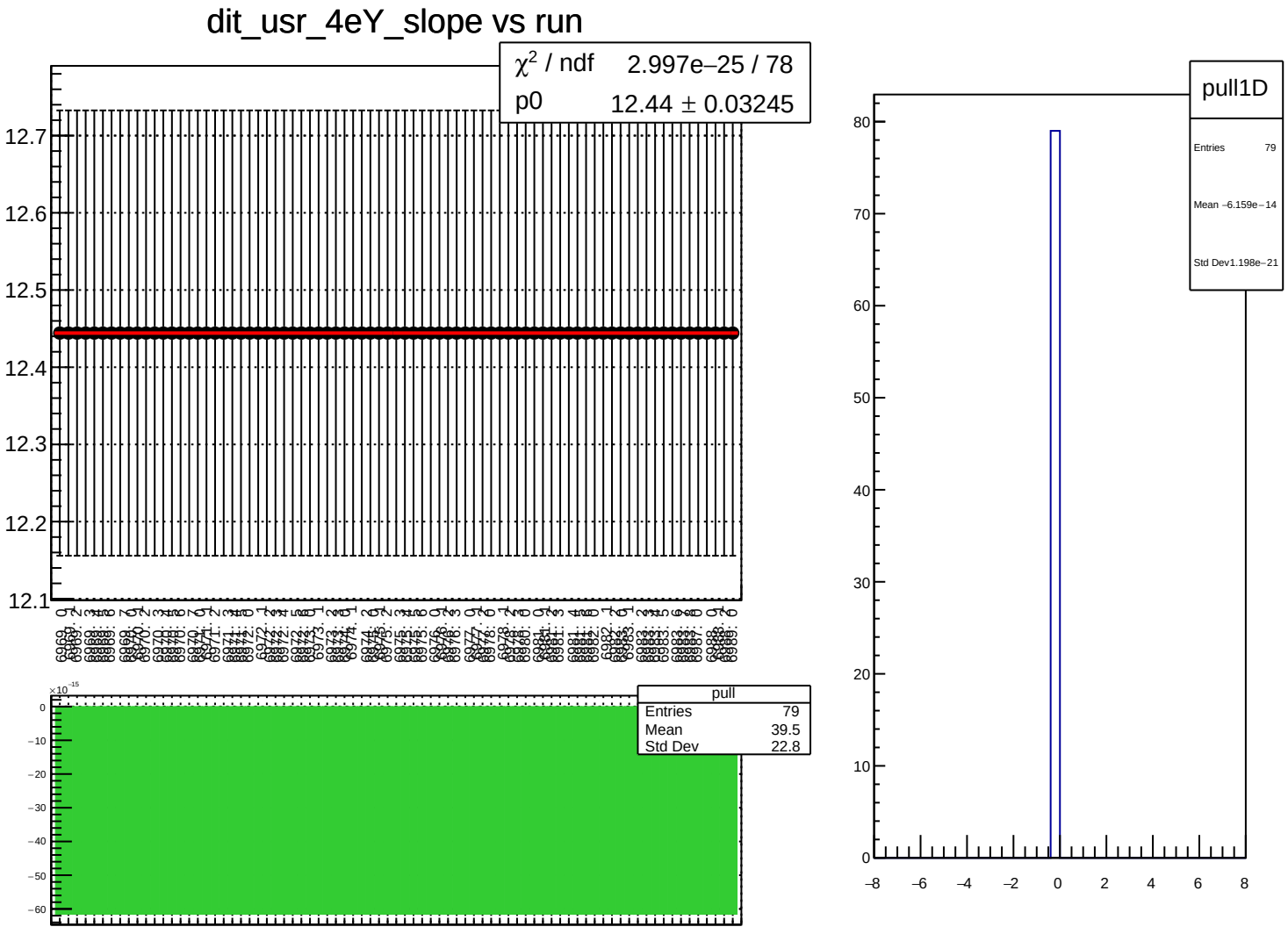
dit_usr_11X12X_slope vs run

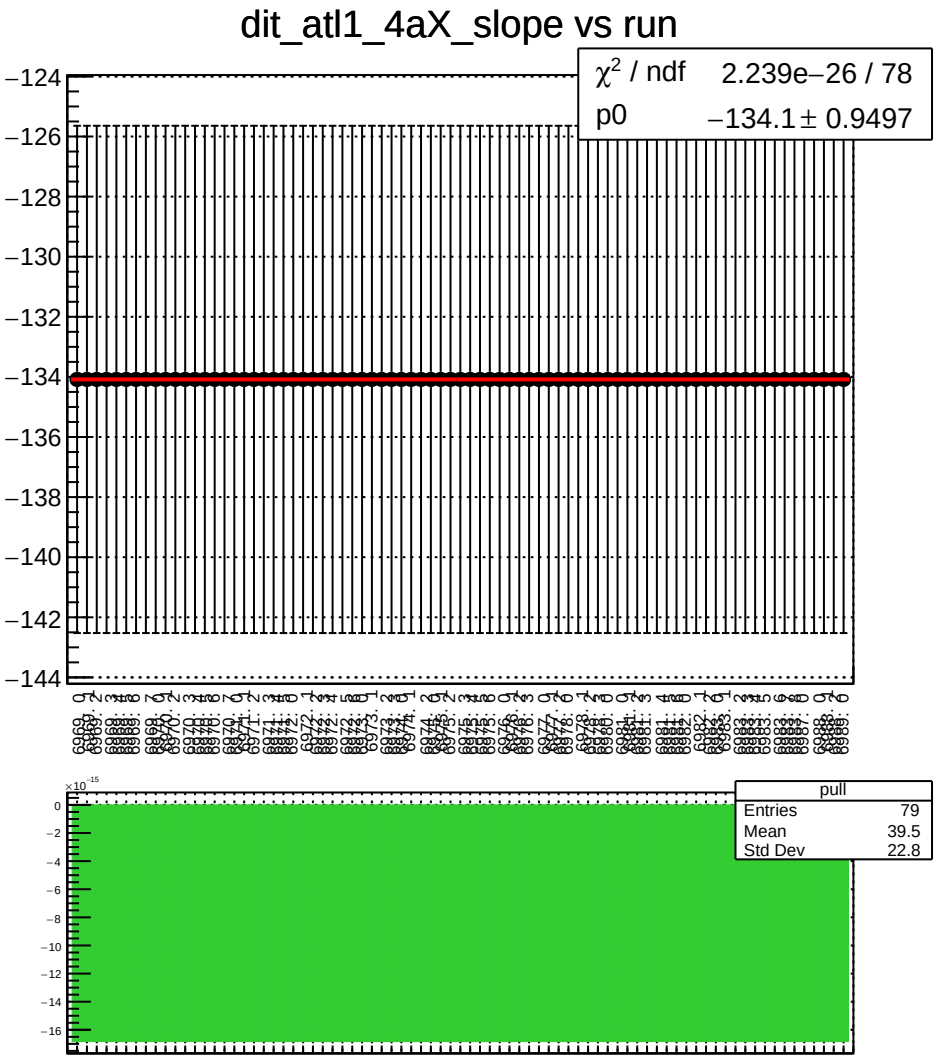


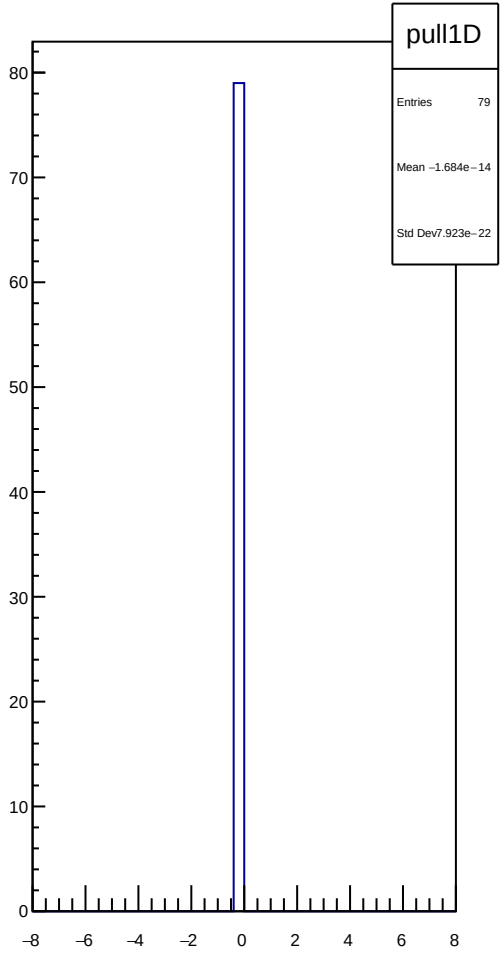



dit_usr_4aY_slope vs run
χ^2 / ndf 9.163e−29 / 78
p0 −0.9142 ± 0.0232
pull
Entries 79
Mean 39.5
Std Dev 22.8

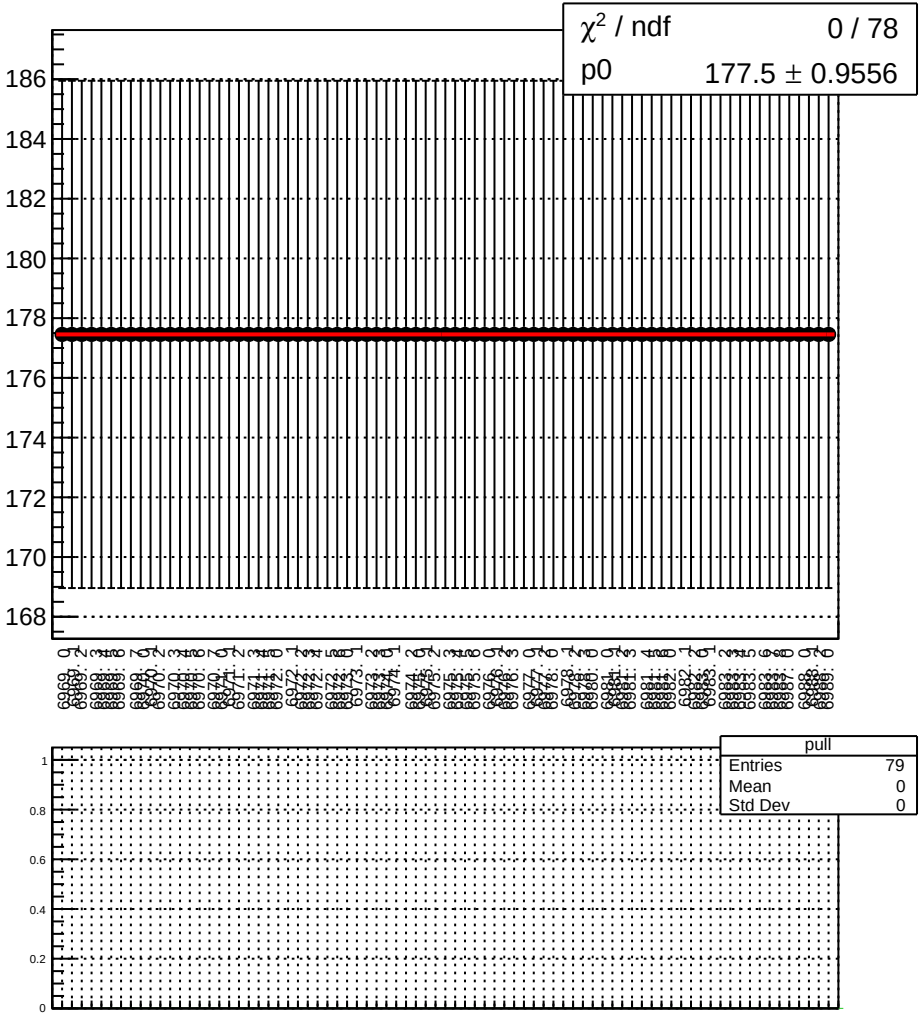

pull1D
Entries 79
Mean −1.077e−15
Std Dev 6.065e−23

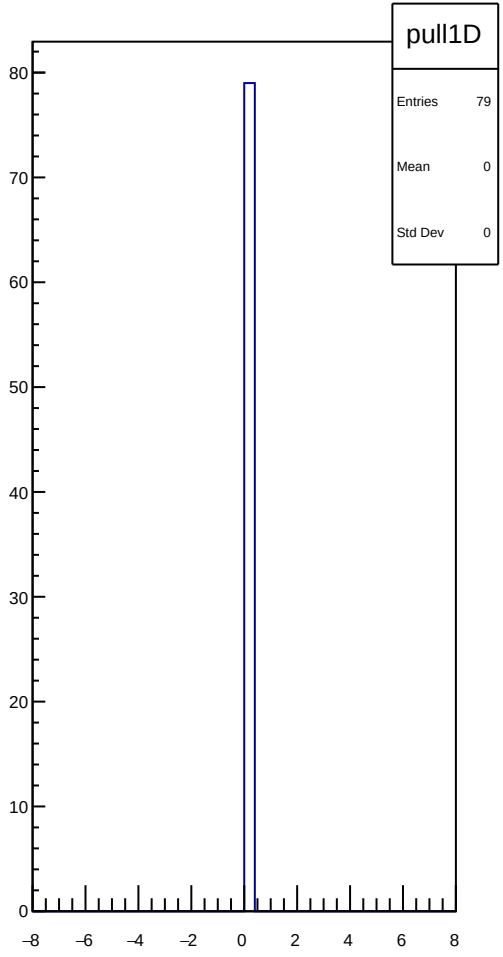

dit_usr_4eY_slope vs run
χ² / ndf 2.997e−25 / 78
p0 12.44 ± 0.03245
12.7
12.6
12.5
12.4
12.3
12.2
12.1
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
pull1D
Entries 79
Mean −6.159e−14
Std Dev1.198e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_atl1_4aX_slope vs run
χ^2 / ndf 2.239e−26 / 78
p0 −134.1 ± 0.9497
pull
Entries 79
Mean 39.5
Std Dev 22.8

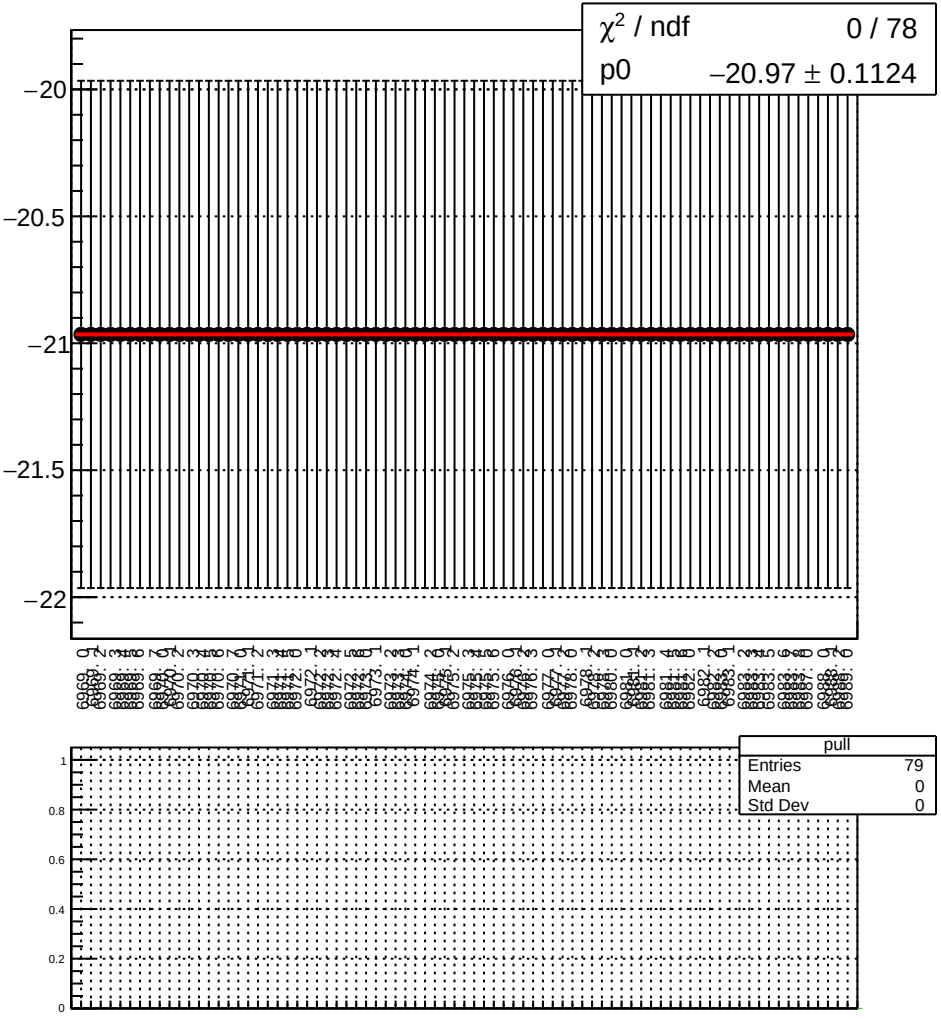

pull1D
Entries 79
Mean −1.684e−14
Std Dev7.923e−22

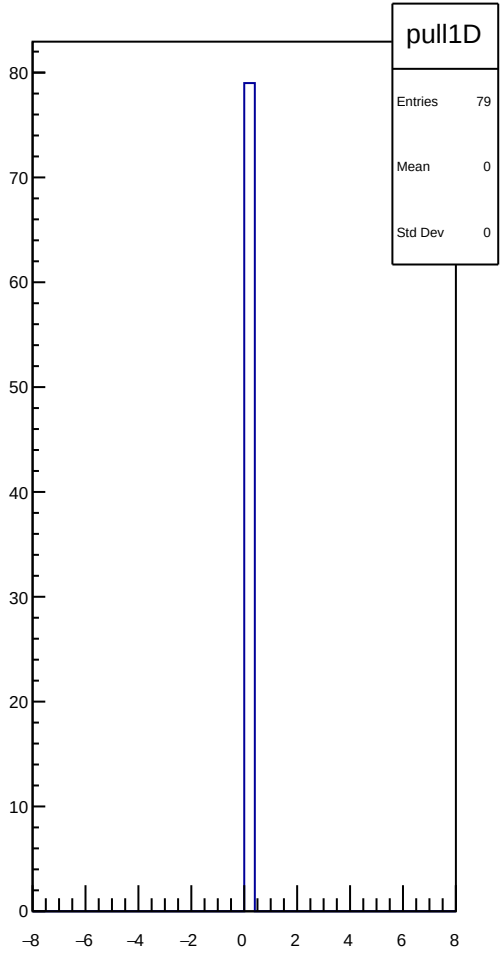
dit_atl1_4eX_slope vs run

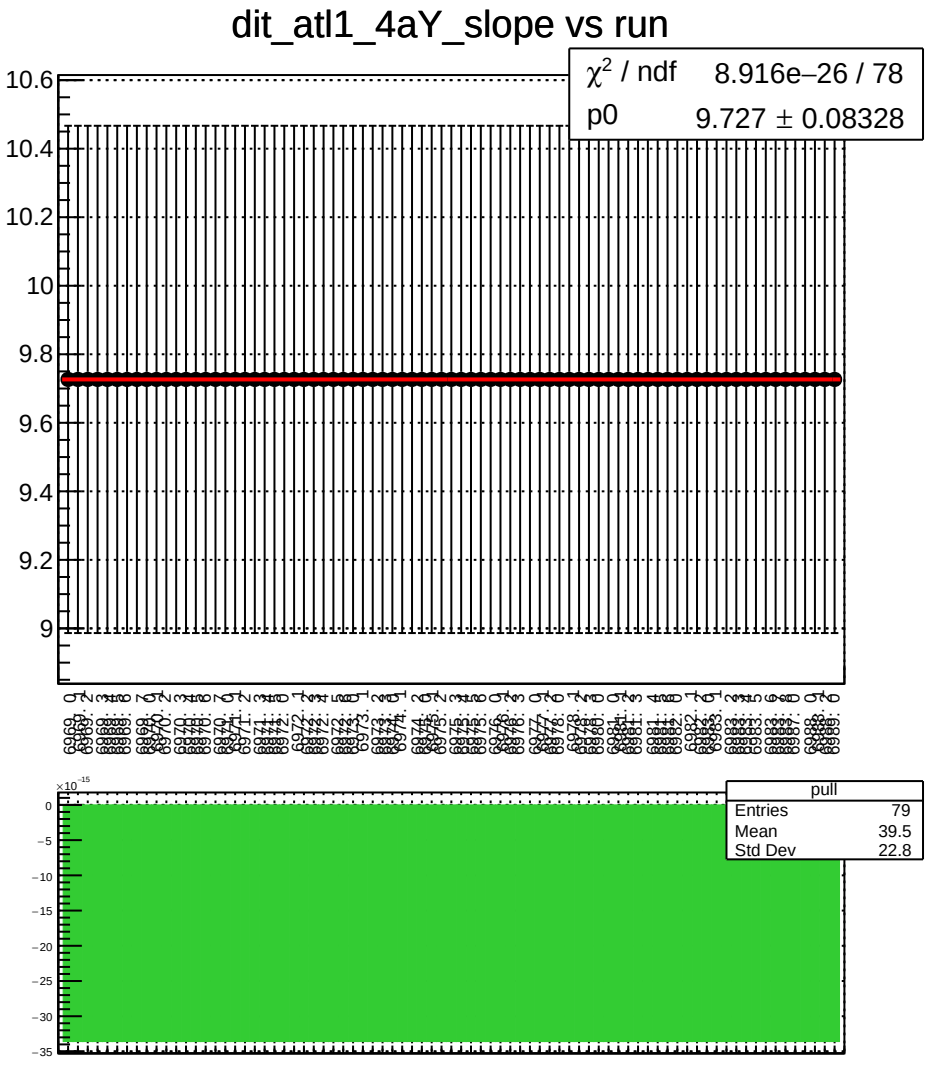


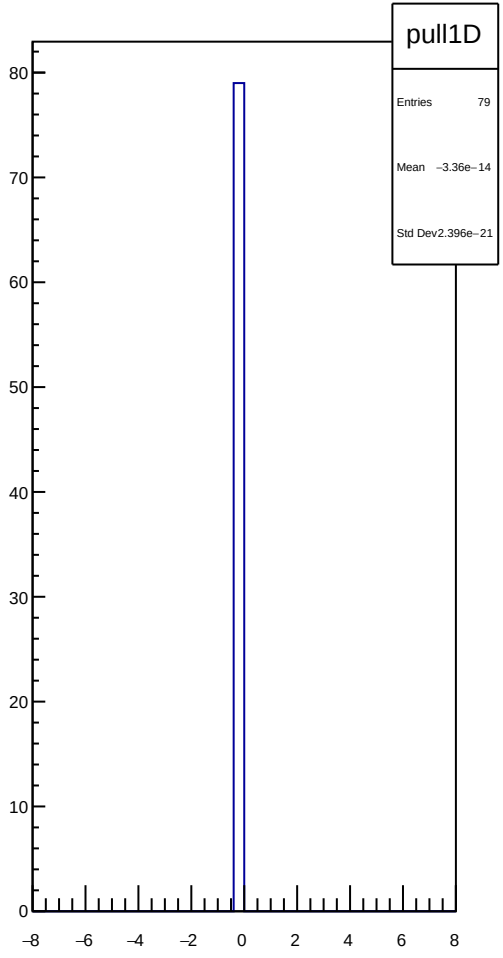


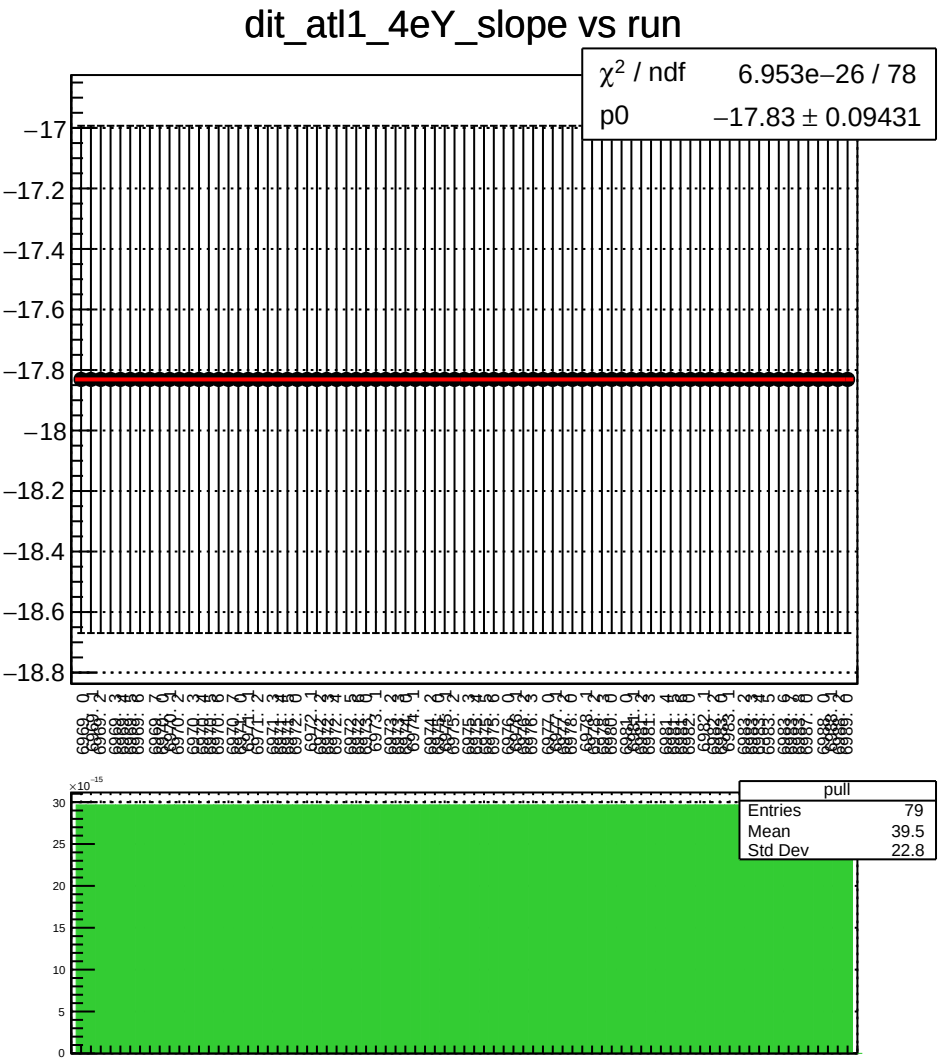
dit_atl1_11X12X_slope vs run

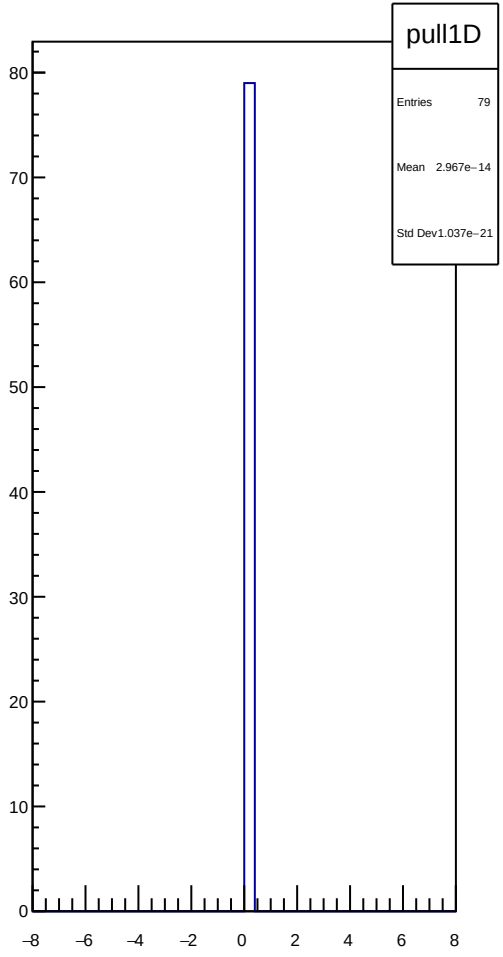


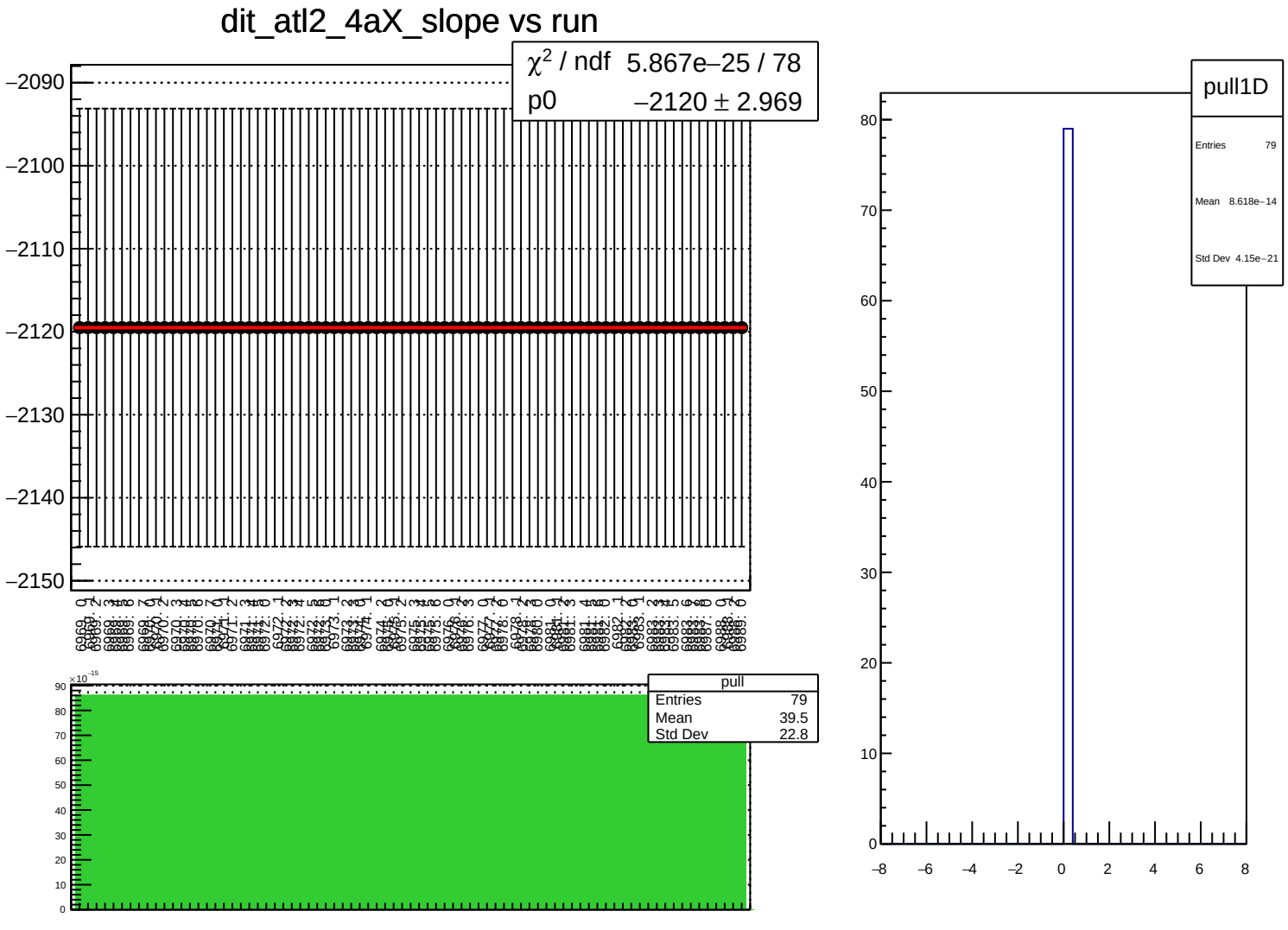


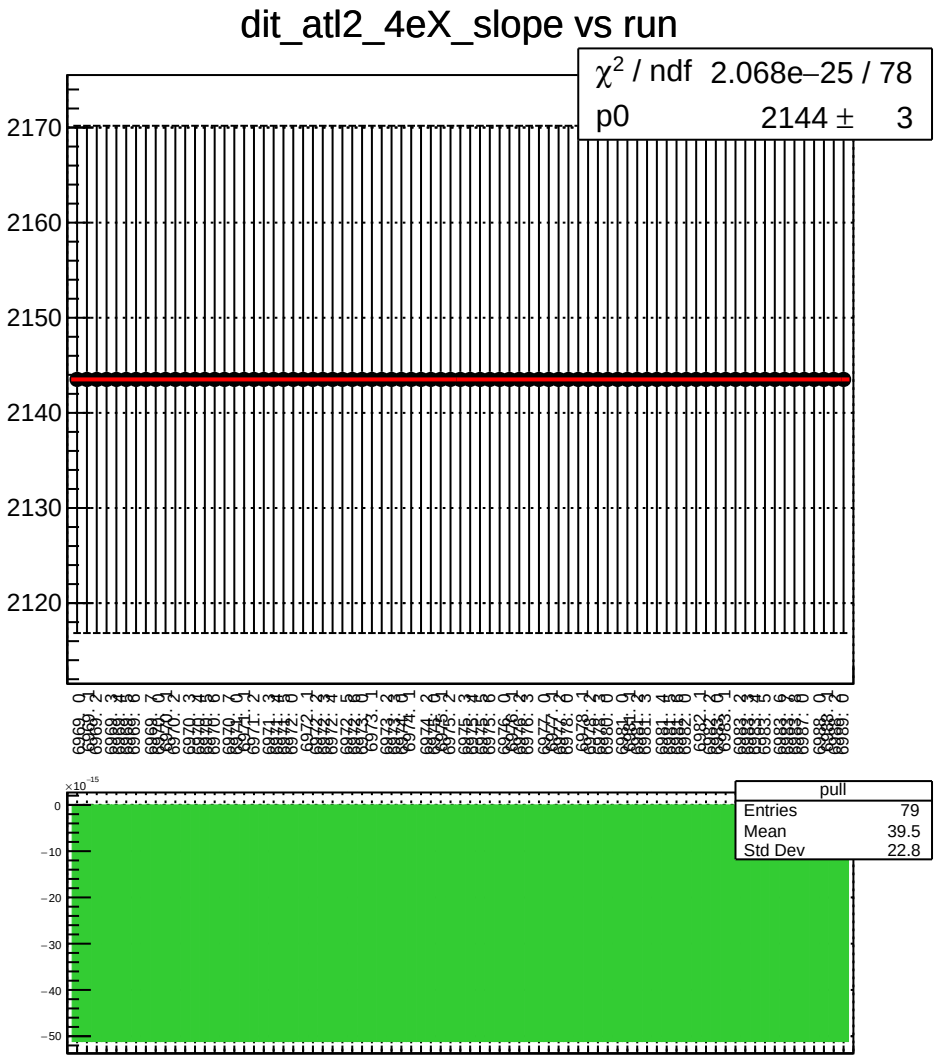

dit_atl1_4aY_slope vs run
χ^2 / ndf 8.916e−26 / 78
p0 9.727 ± 0.08328
pull
Entries 79
Mean 39.5
Std Dev 22.8

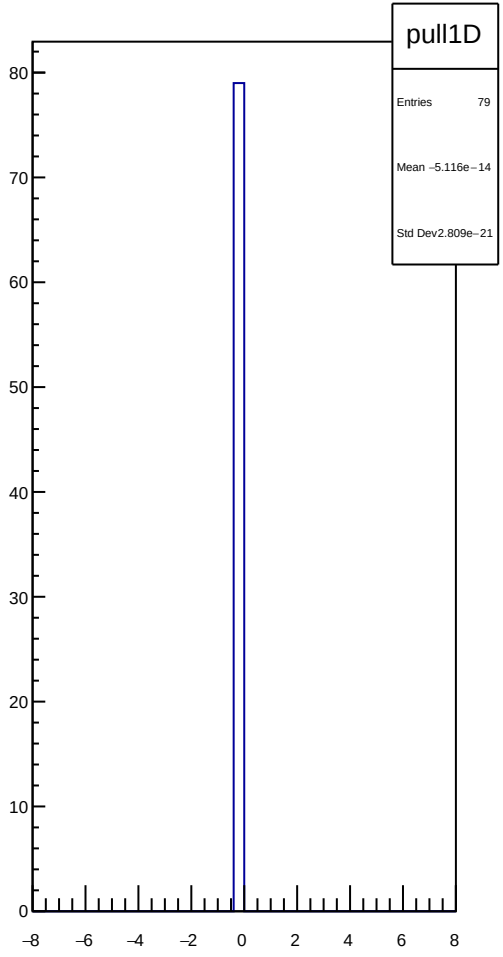

pull1D
Entries 79
Mean −3.36e−14
Std Dev2.396e−21

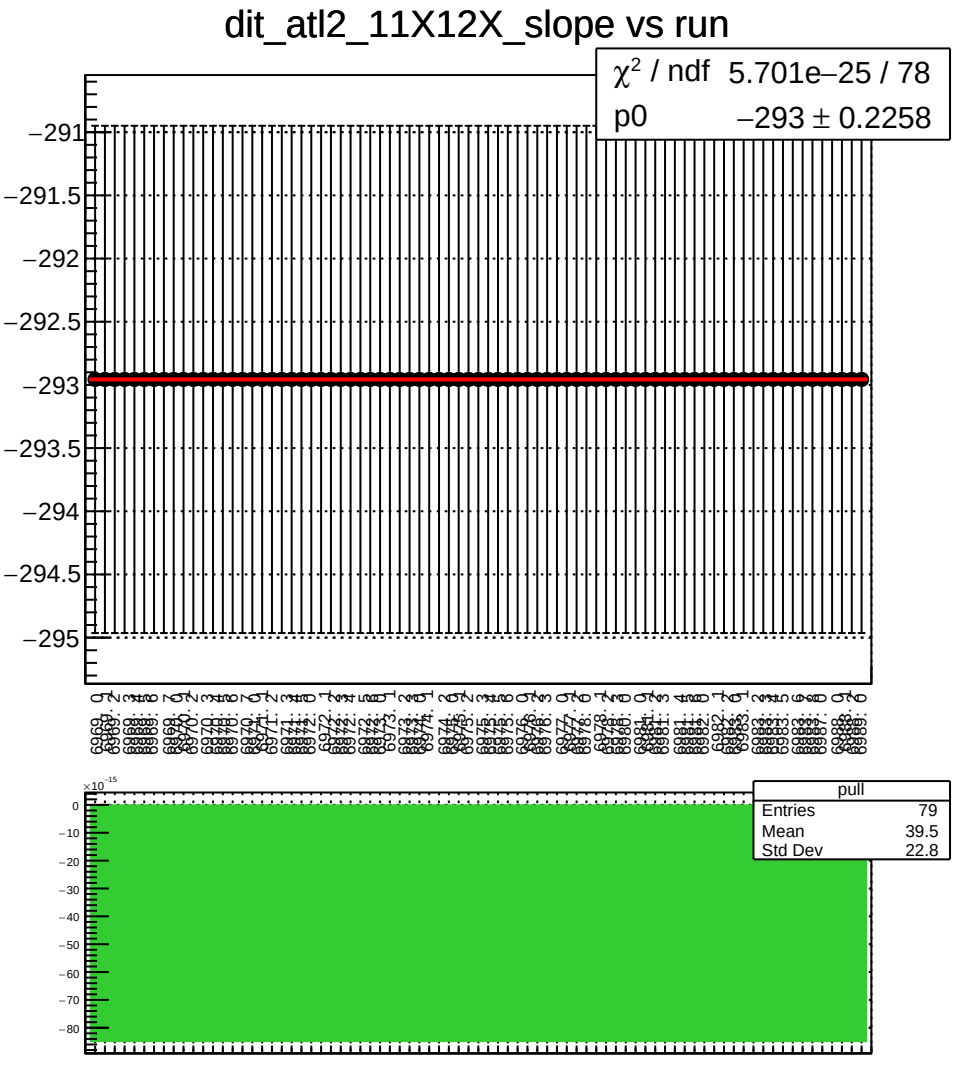

dit_atl1_4eY_slope vs run
χ^2 / ndf 6.953e−26 / 78
p0 −17.83 ± 0.09431
pull
Entries 79
Mean 39.5
Std Dev 22.8

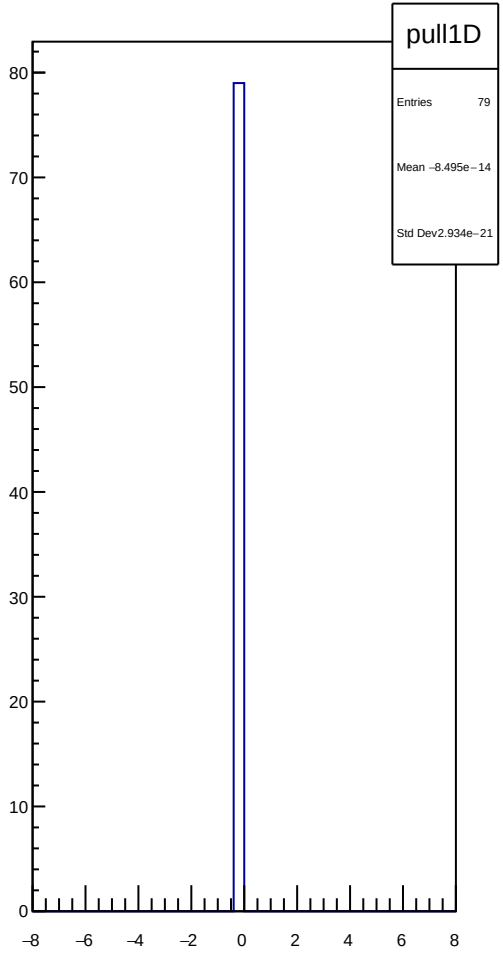

pull1D
Entries 79
Mean 2.967e−14
Std Dev 1.037e−21

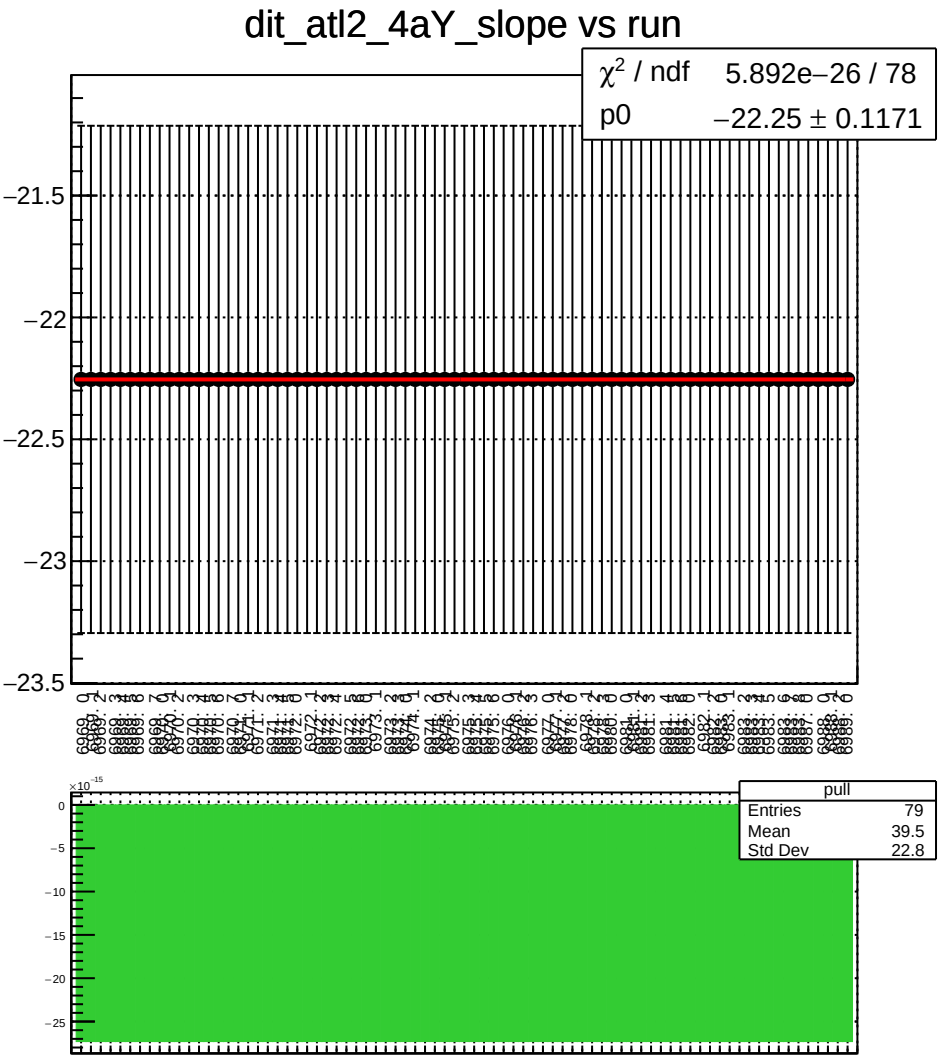

dit_atl2_4aX_slope vs run
χ^2 / ndf 5.867e−25 / 78
p0 −2120 ± 2.969
−2090
−2100
−2110
−2120
−2130
−2140
−2150
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10^−15
90
80
70
60
50
40
30
20
10
0
pull1D
Entries 79
Mean 8.618e−14
Std Dev 4.15e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

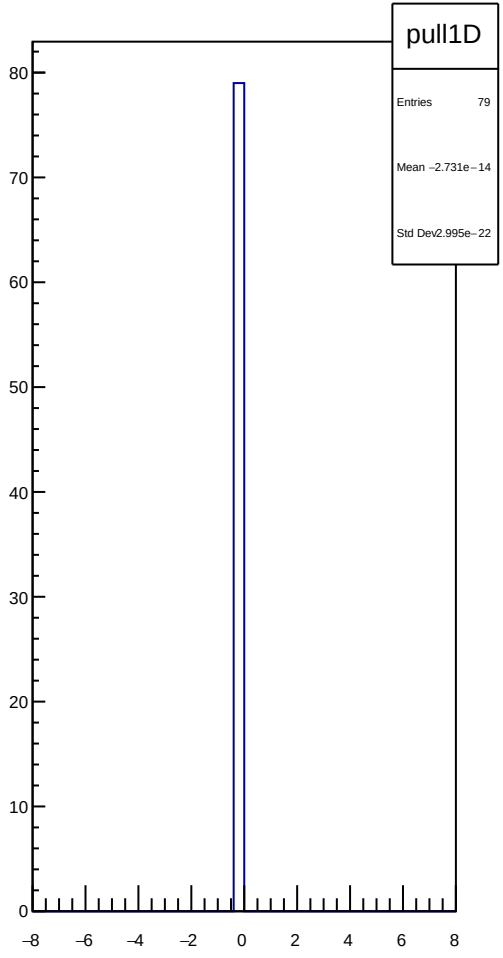

dit_atl2_4eX_slope vs run
χ^2 / ndf 2.068e−25 / 78
p0 2144 ± 3
2170
2160
2150
2140
2130
2120
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10^−15
0
−10
−20
−30
−40
−50

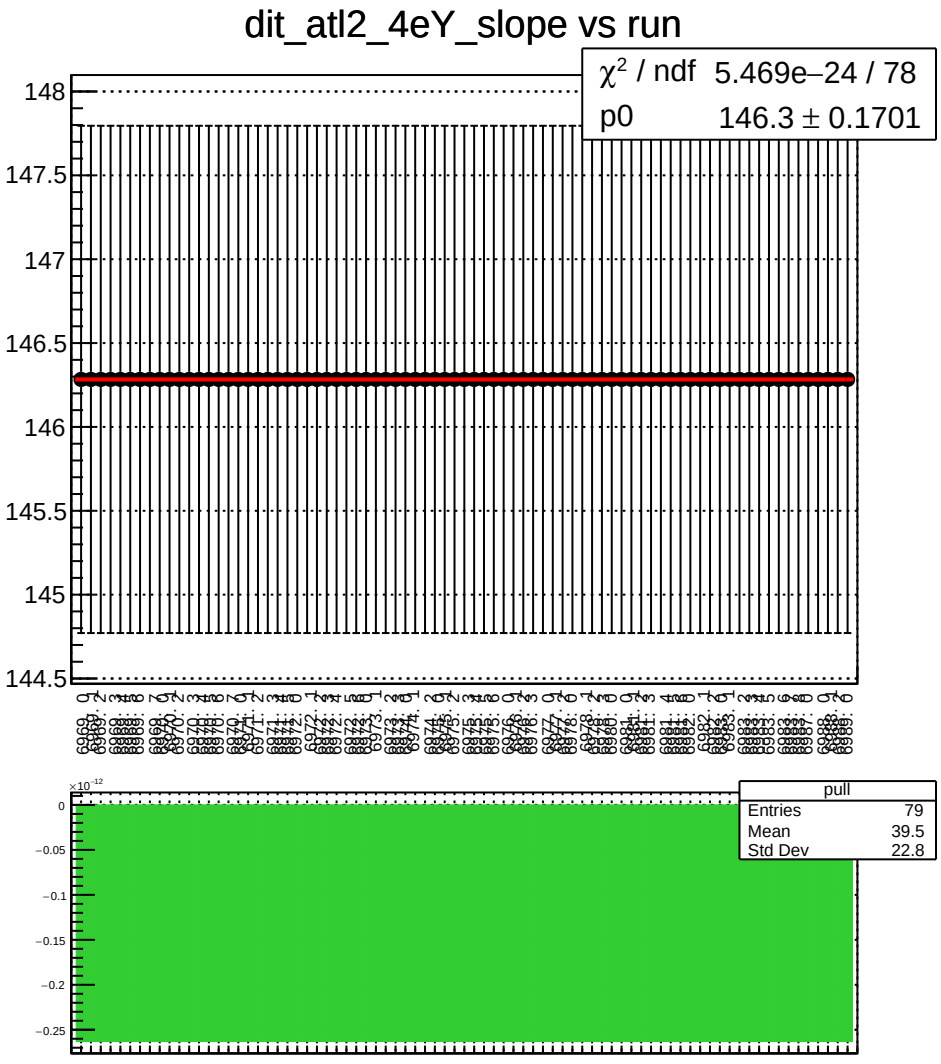

pull1D
Entries 79
Mean −5.116e−14
Std Dev2.809e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

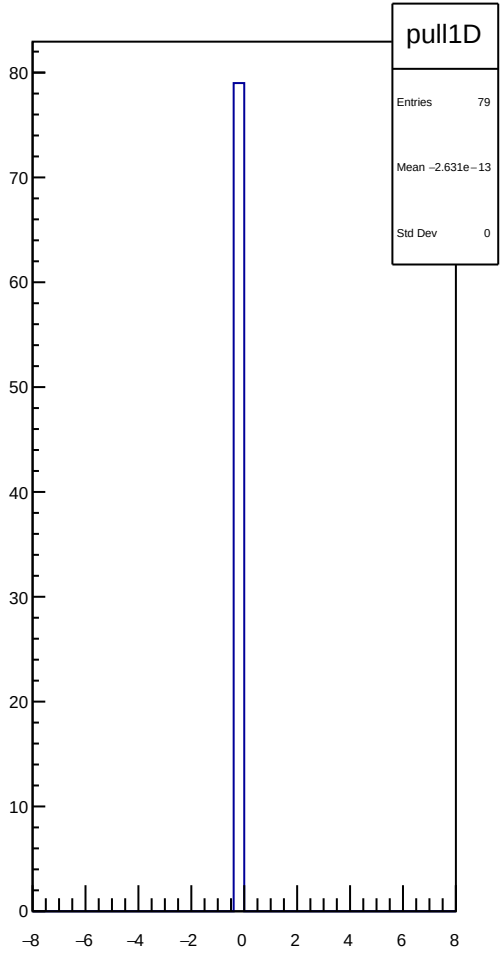

dit_atl2_11X12X_slope vs run
χ^2 / ndf 5.701e−25 / 78
p0 −293 ± 0.2258
−291
−291.5
−292
−292.5
−293
−293.5
−294
−294.5
−295
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10^−15
0
−10
−20
−30
−40
−50
−60
−70
−80

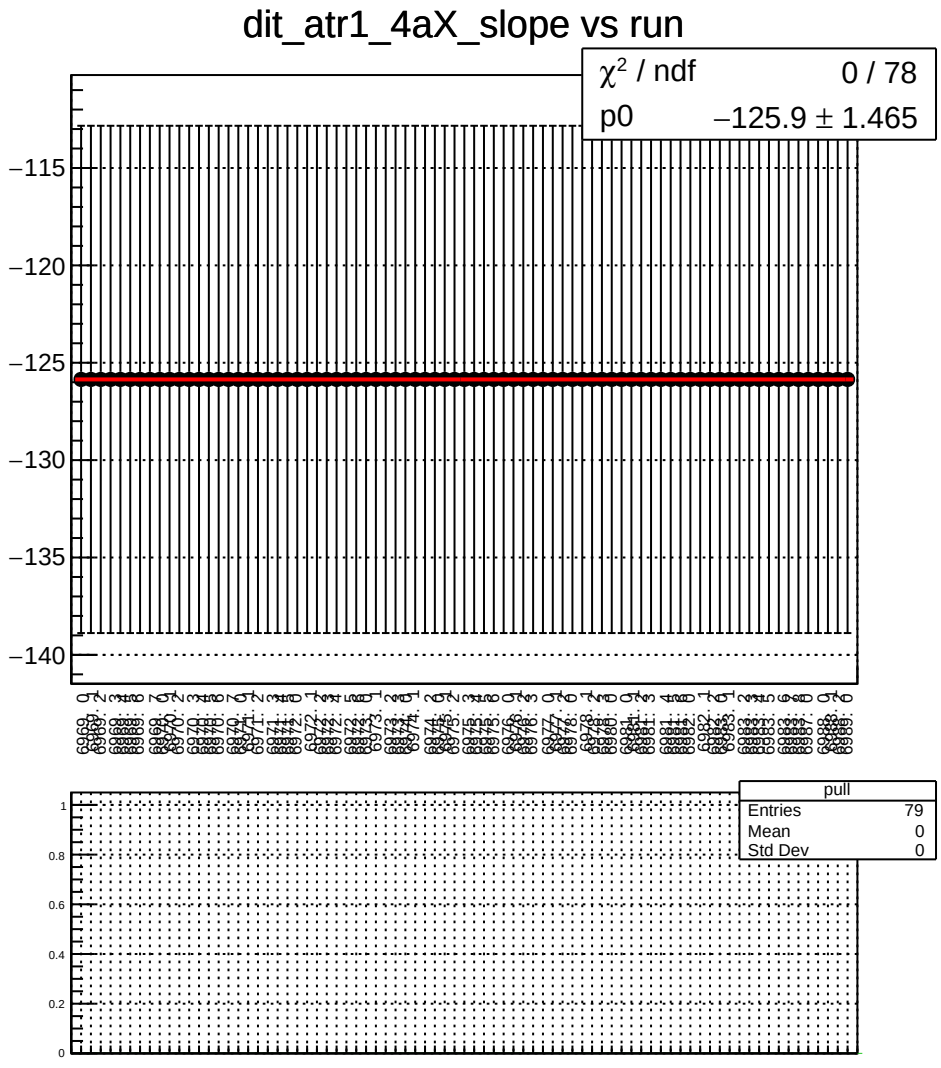

pull1D
Entries 79
Mean −8.495e−14
Std Dev 2.934e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

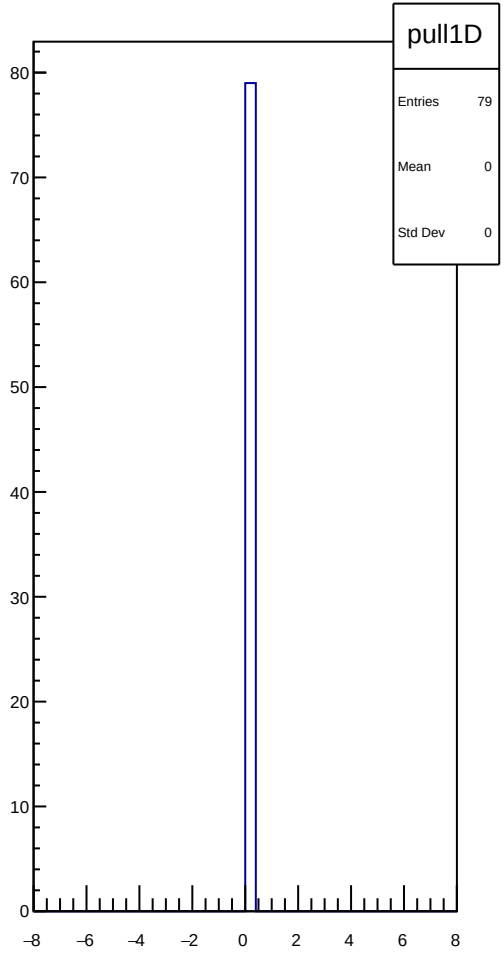

dit_atl2_4aY_slope vs run
χ^2 / ndf 5.892e−26 / 78
p0 −22.25 ± 0.1171
−21.5
−22
−22.5
−23
−23.5
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10^−15
0
−5
−10
−15
−20
−25

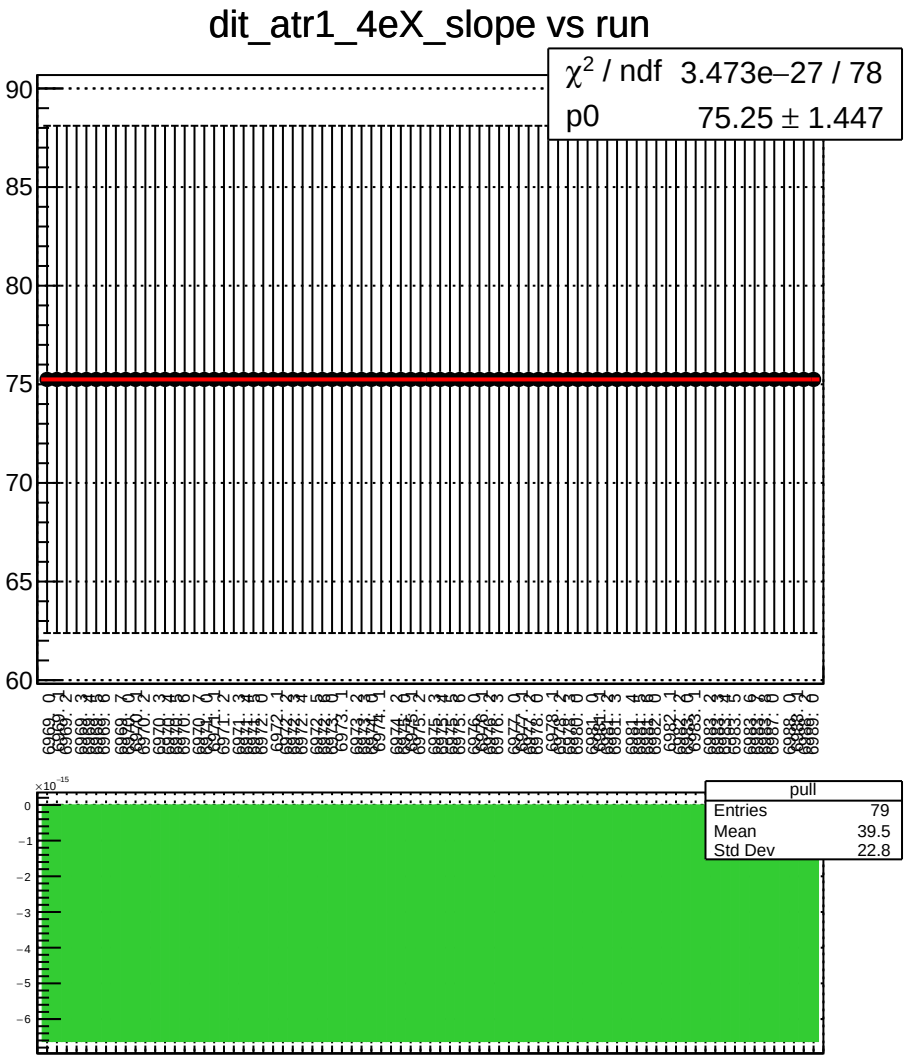

pull1D
Entries 79
Mean −2.731e−14
Std Dev 2.995e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

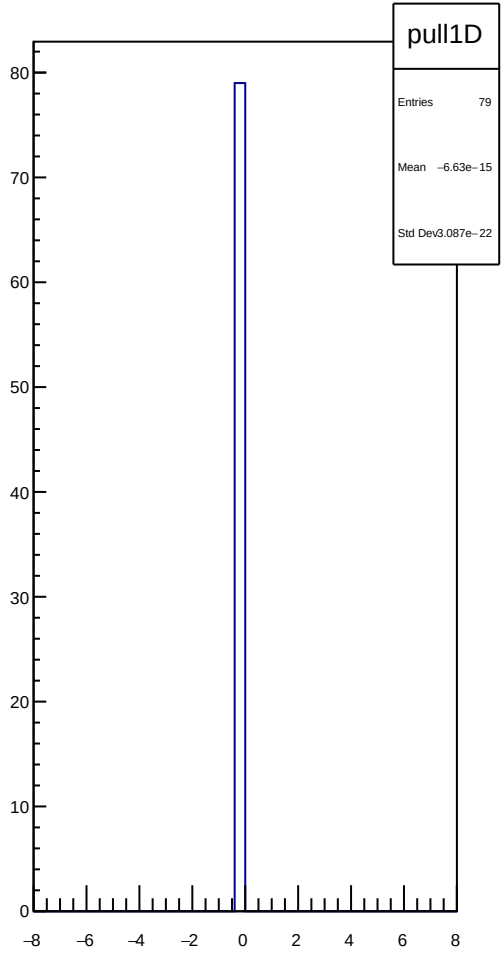

dit_atl2_4eY_slope vs run
χ² / ndf 5.469e−24 / 78
p0 146.3 ± 0.1701
148
147.5
147
146.5
146
145.5
145
144.5
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25


pull1D
Entries 79
Mean −2.631e−13
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

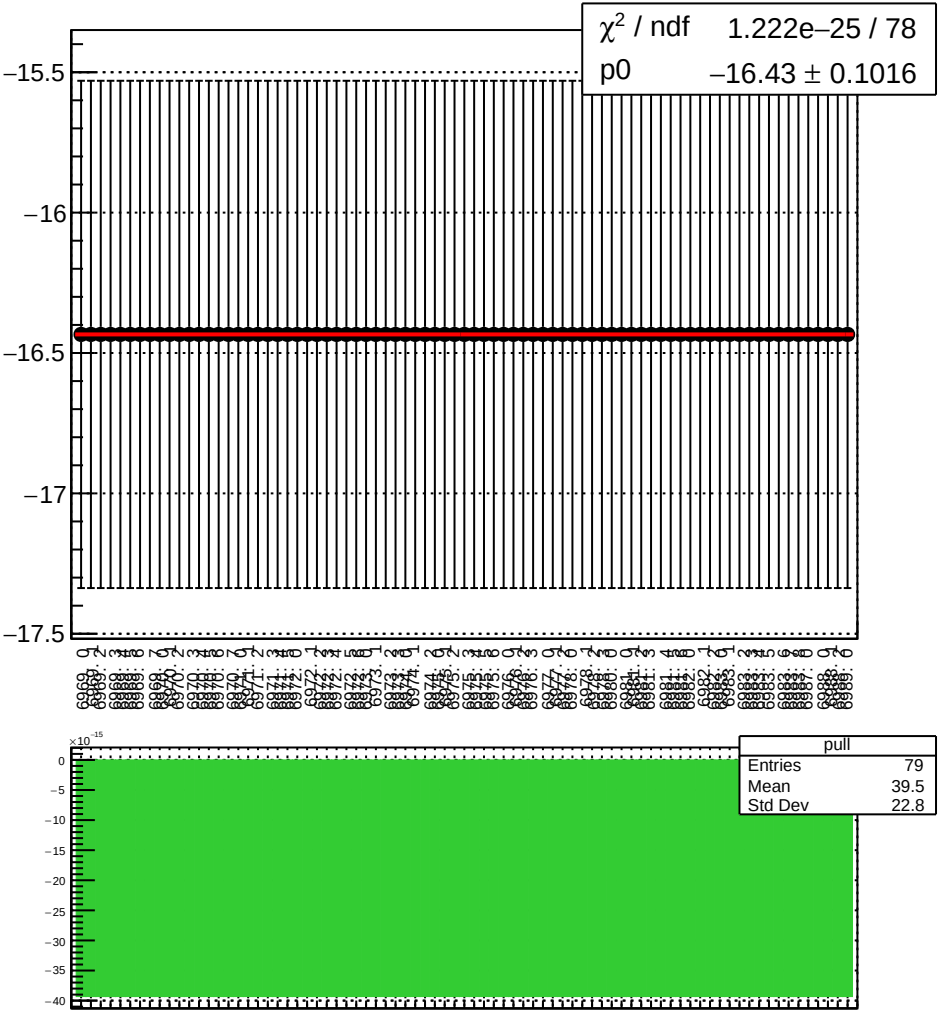

dit_atr1_4aX_slope vs run
χ² / ndf 0 / 78
p0 −125.9 ± 1.465
−115
−120
−125
−130
−135
−140
pull
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

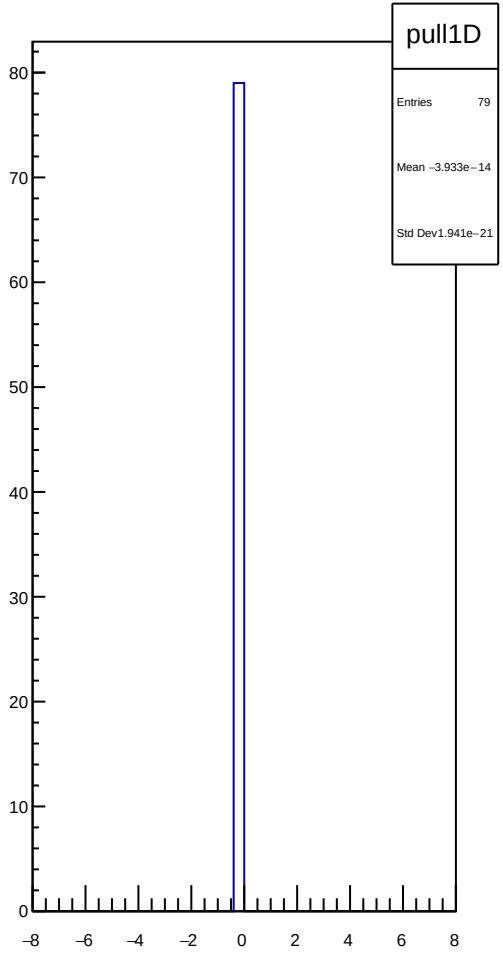

pull1D
Entries 79
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

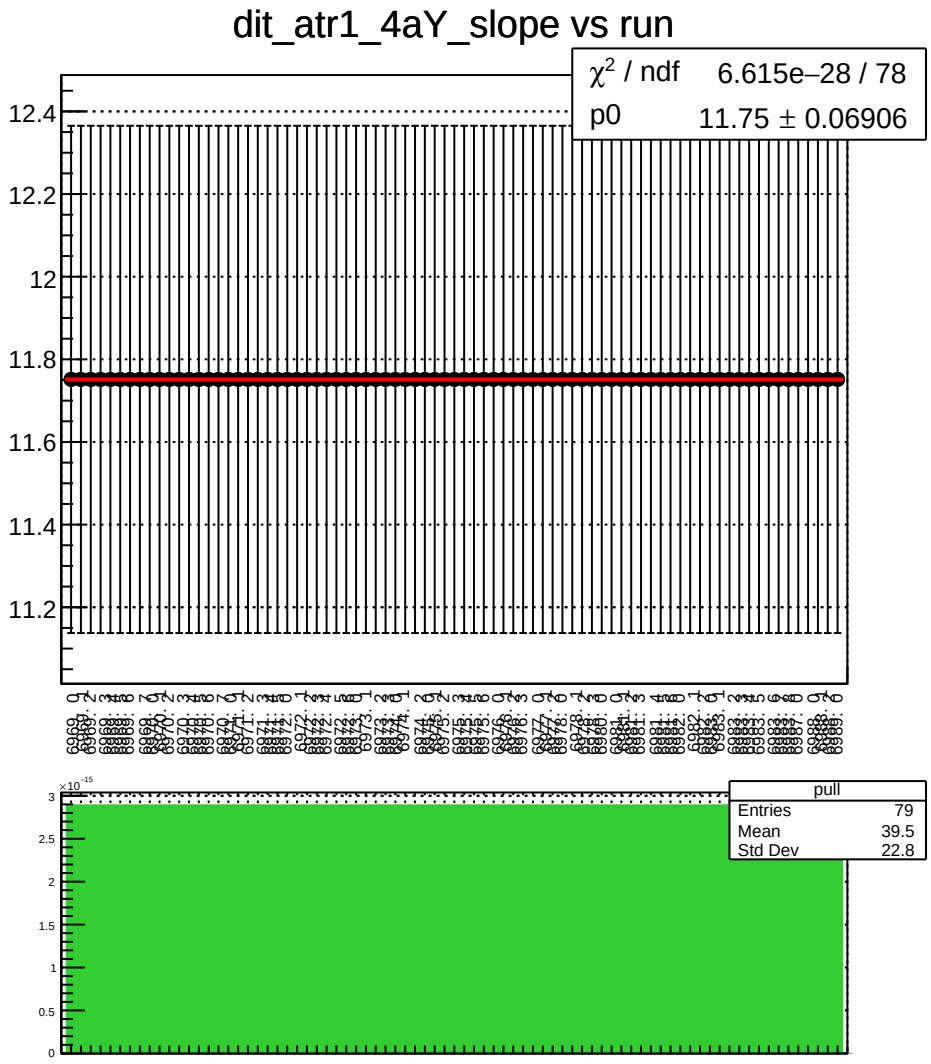

dit_atr1_4eX_slope vs run
χ² / ndf 3.473e−27 / 78
p0 75.25 ± 1.447
pull
Entries 79
Mean 39.5
Std Dev 22.8

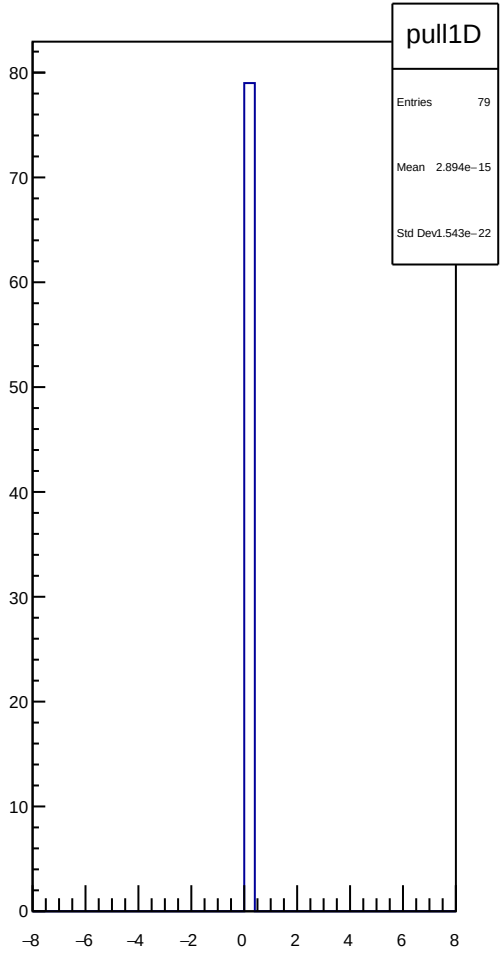

pull1D
Entries 79
Mean −6.63e−15
Std Dev 3.087e−22

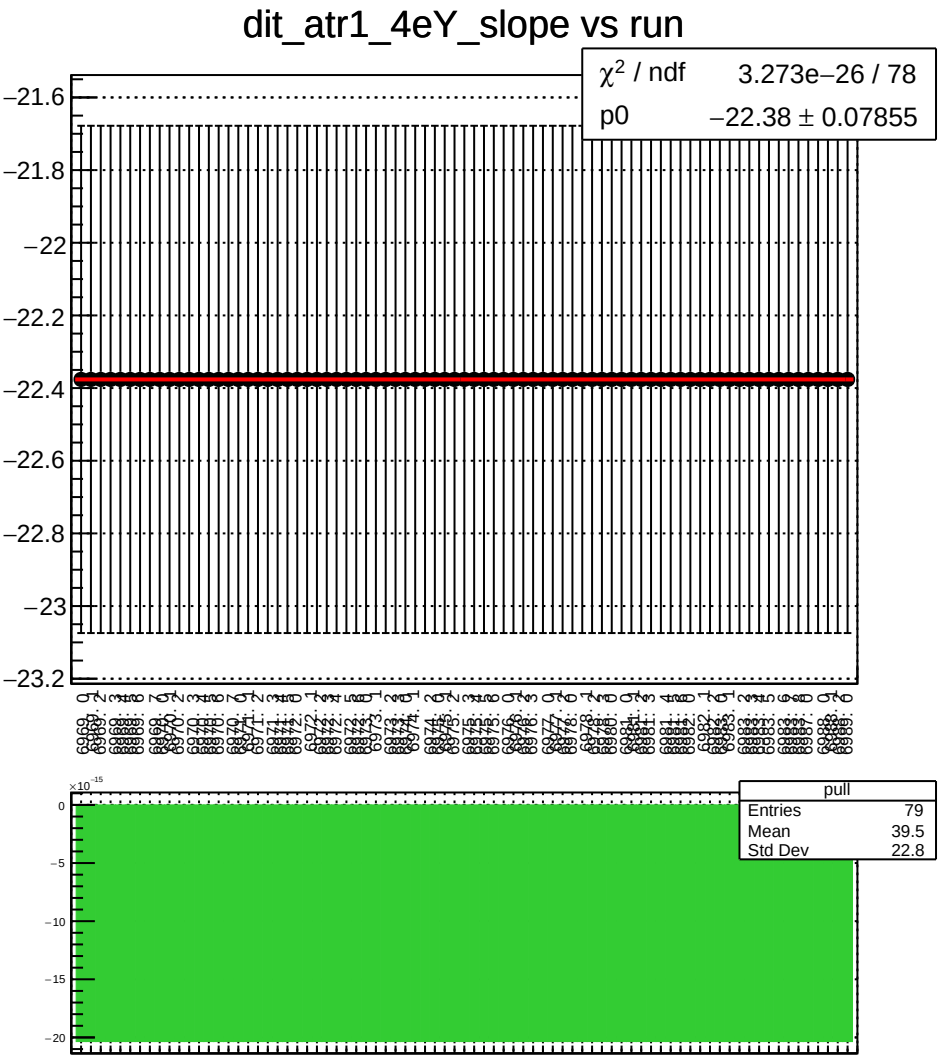
dit_atr1_11X12X_slope vs run

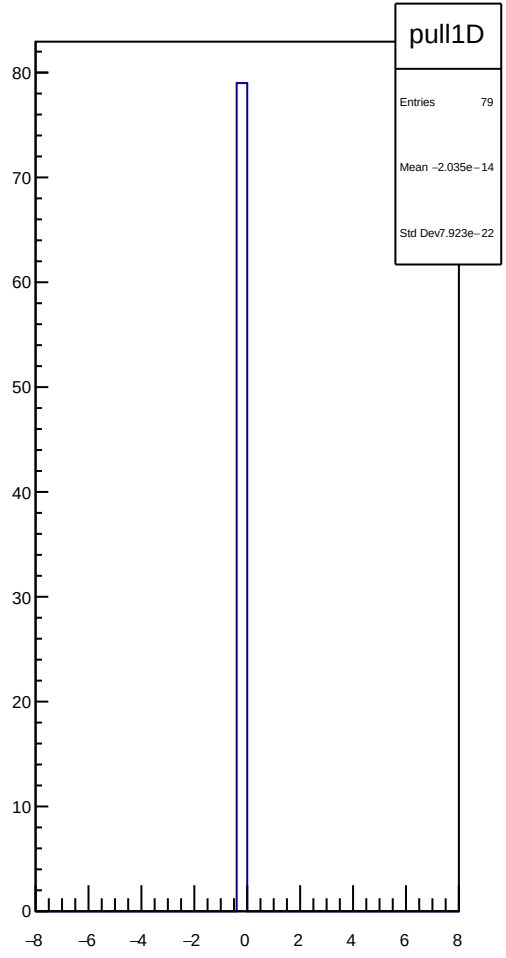


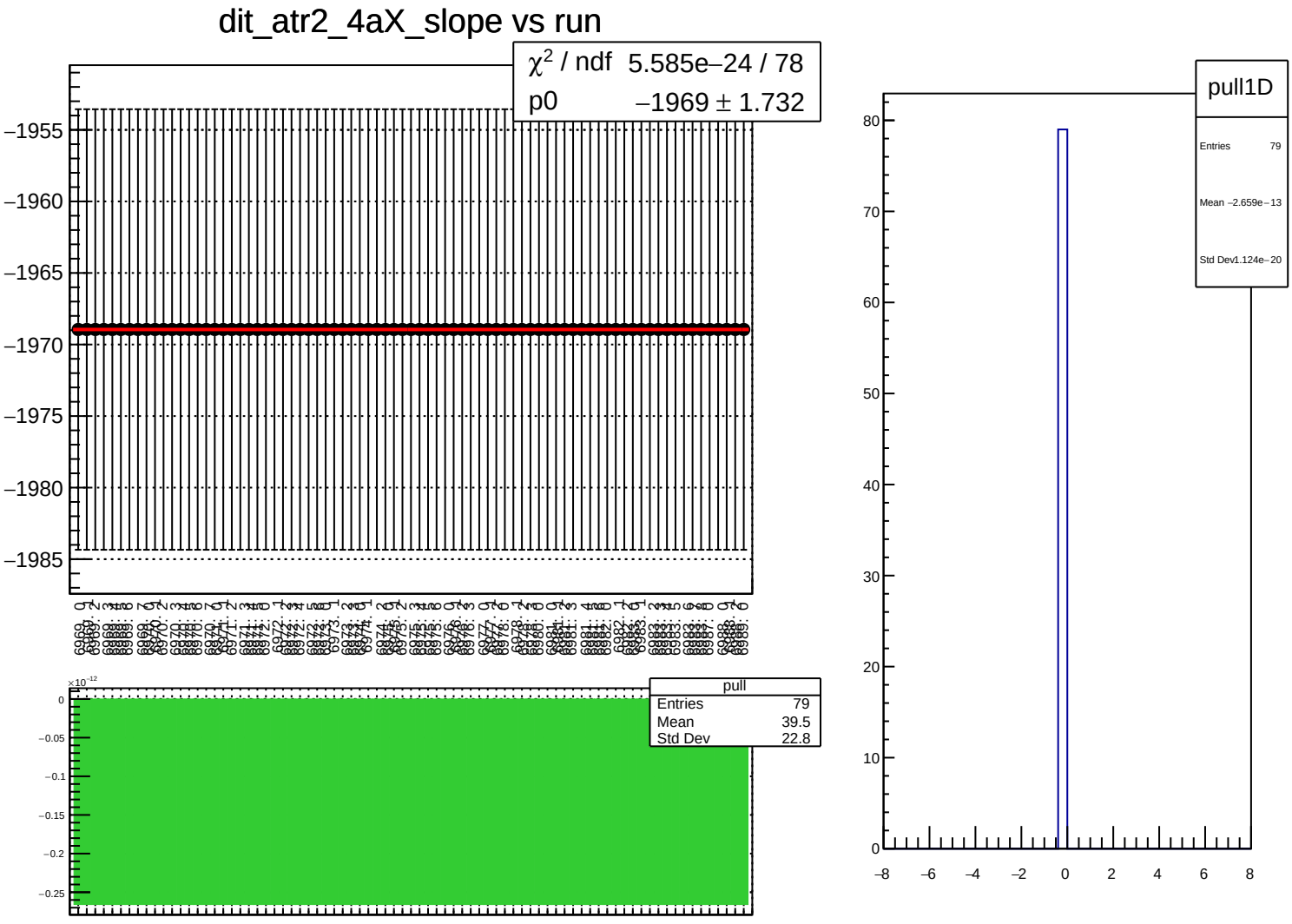


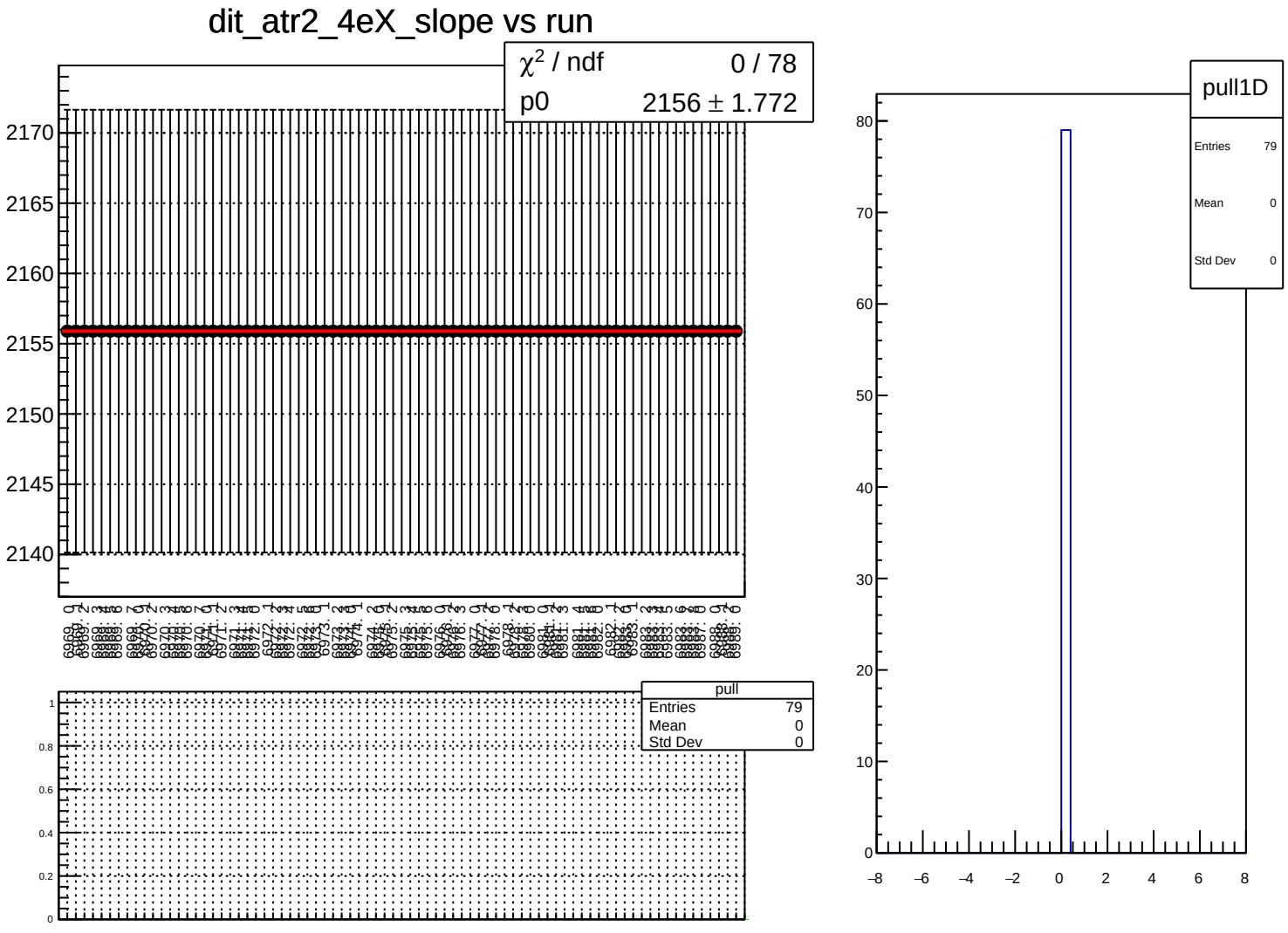

dit_atr1_4aY_slope vs run
χ² / ndf 6.615e−28 / 78
p0 11.75 ± 0.06906
12.4
12.2
12
11.8
11.6
11.4
11.2
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹⁵
3
2.5
2
1.5
1
0.5
0


pull1D
Entries 79
Mean 2.894e−15
Std Dev1.543e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

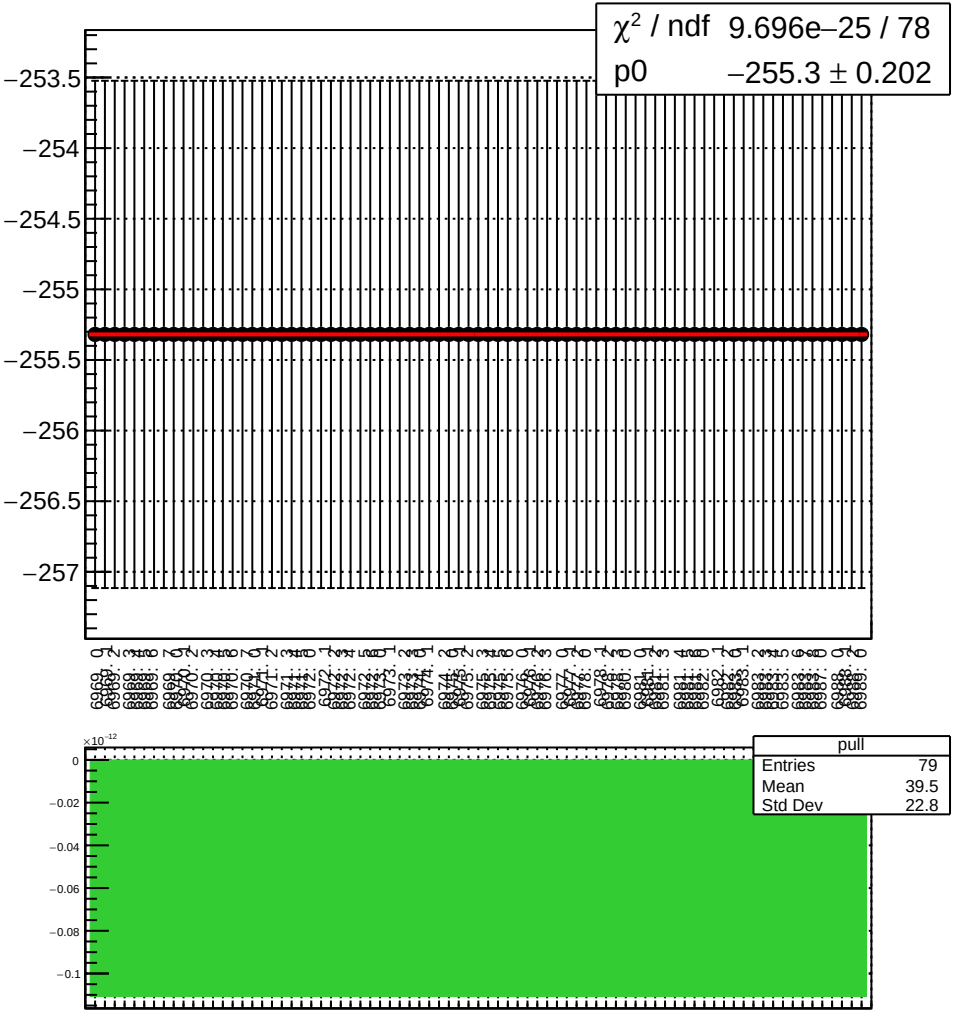

dit_atr1_4eY_slope vs run
χ² / ndf 3.273e−26 / 78
p0 −22.38 ± 0.07855
−21.6
−21.8
−22
−22.2
−22.4
−22.6
−22.8
−23
−23.2
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹⁵
0
−5
−10
−15
−20

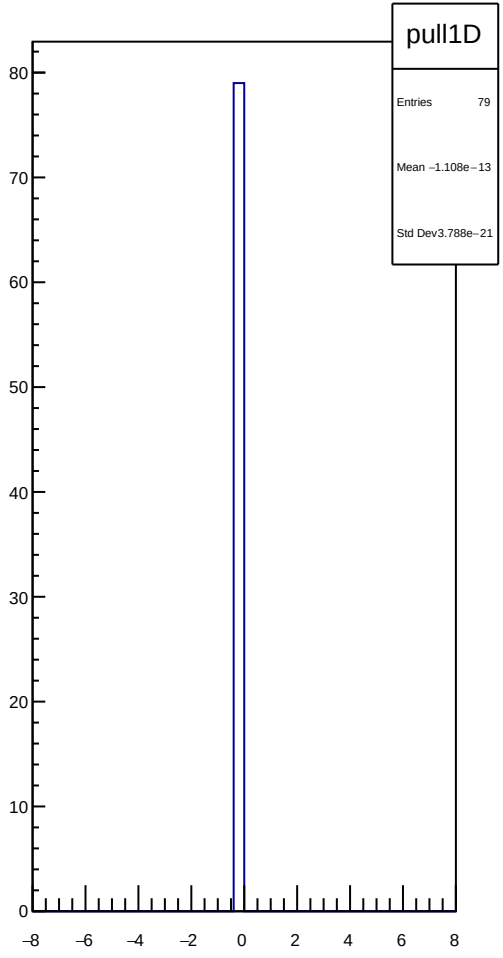

pull1D
Entries 79
Mean −2.035e−14
Std Dev 7.923e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

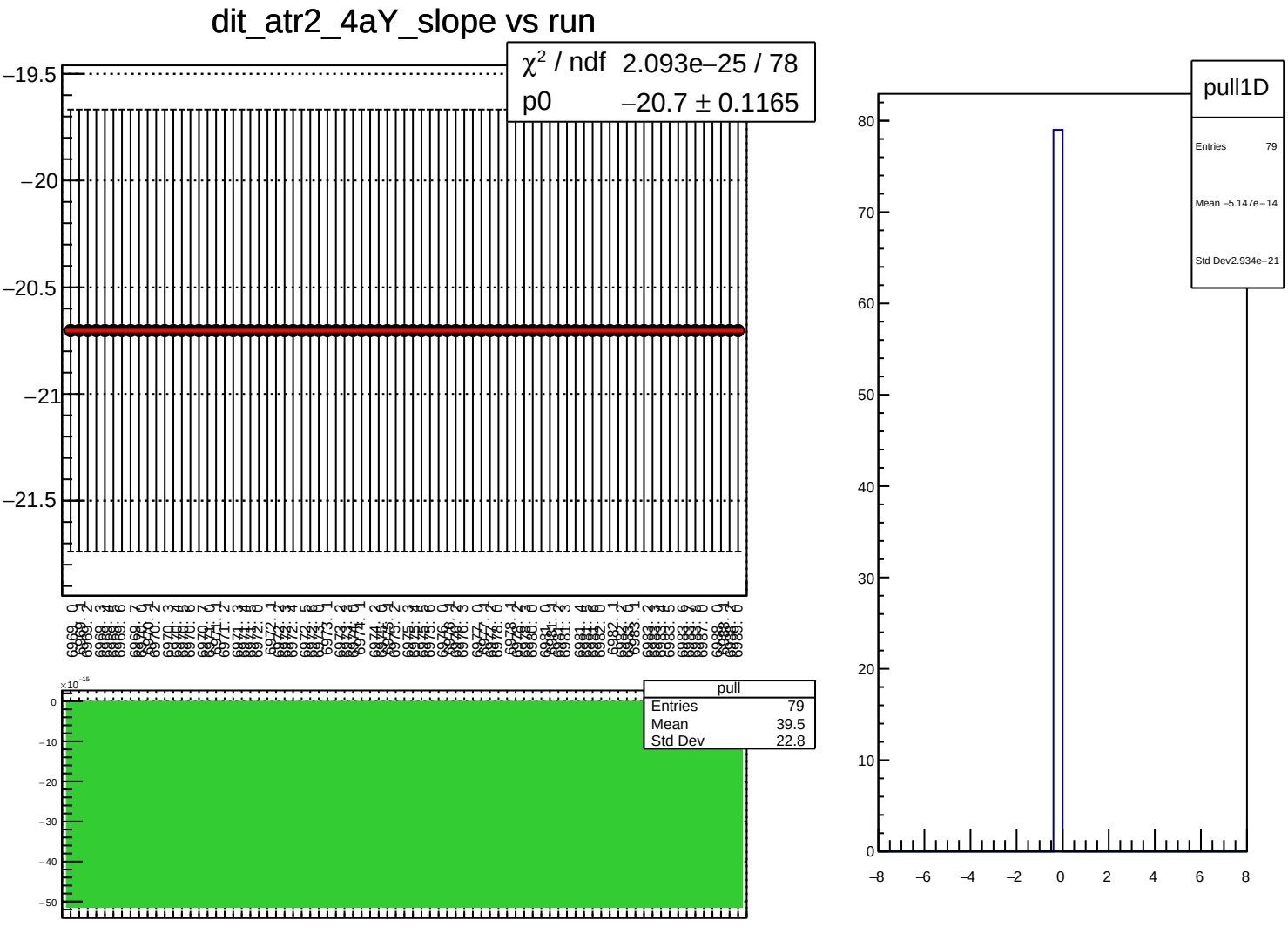

dit_atr2_4aX_slope vs run
χ^2 / ndf 5.585e−24 / 78
p0 −1969 ± 1.732
−1955
−1960
−1965
−1970
−1975
−1980
−1985
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10^−12
0
−0.05
−0.1
−0.15
−0.2
−0.25
pull1D
Entries 79
Mean −2.659e−13
Std Dev 1.124e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

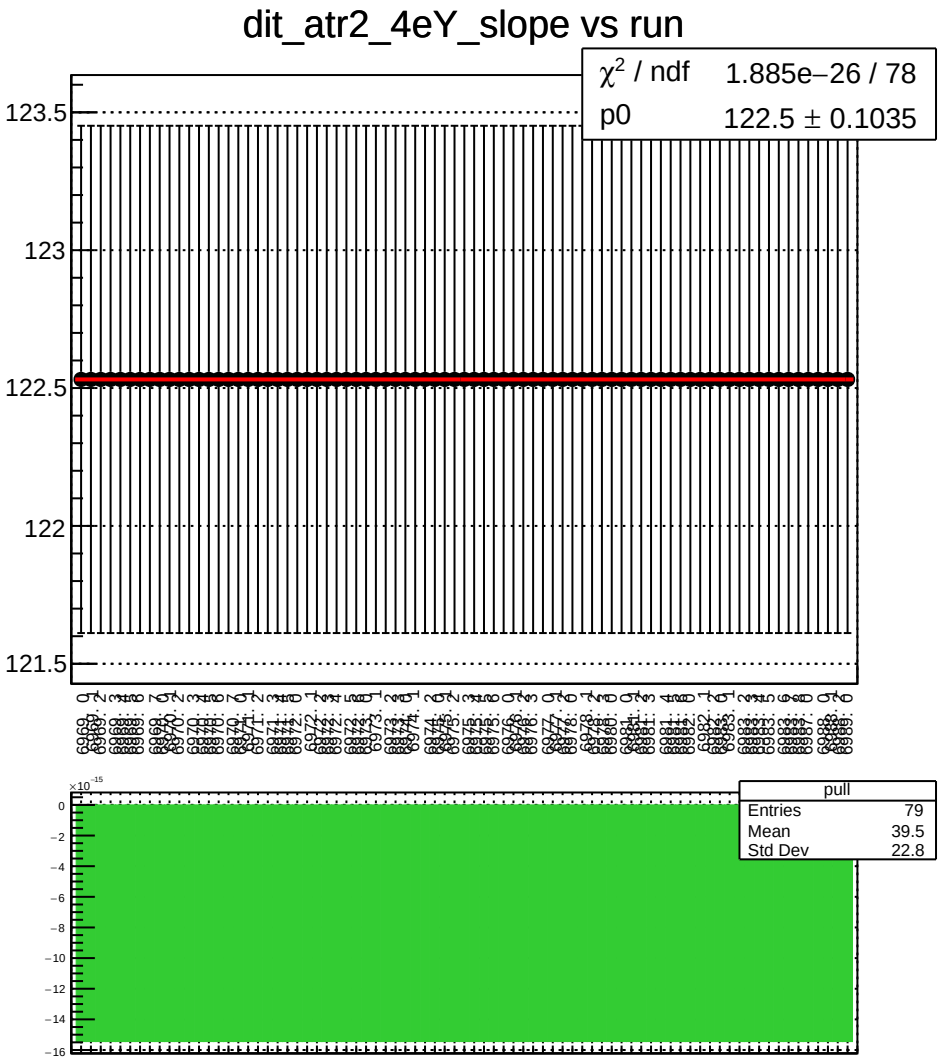

dit_atr2_4eX_slope vs run
χ^2 / ndf 0 / 78
p0 2156 ± 1.772
2170
2165
2160
2155
2150
2145
2140
pull
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 79
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

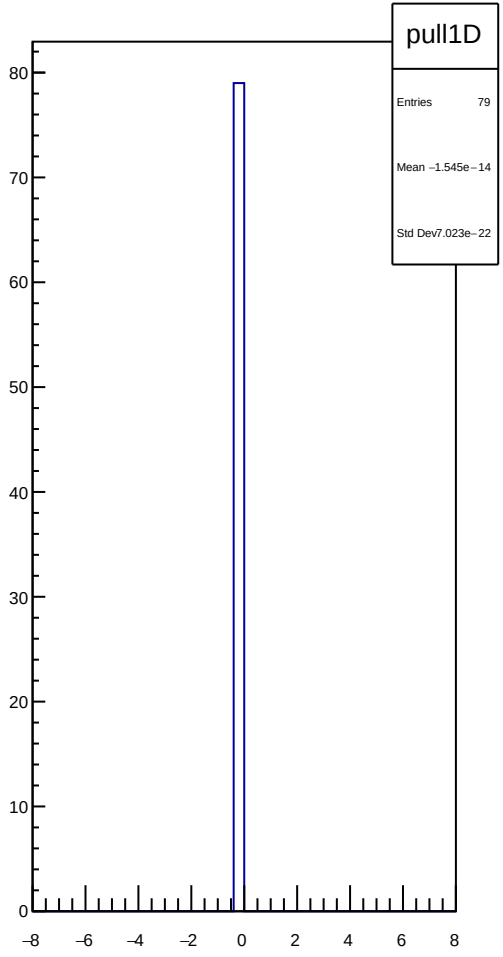
dit_atr2_11X12X_slope vs run



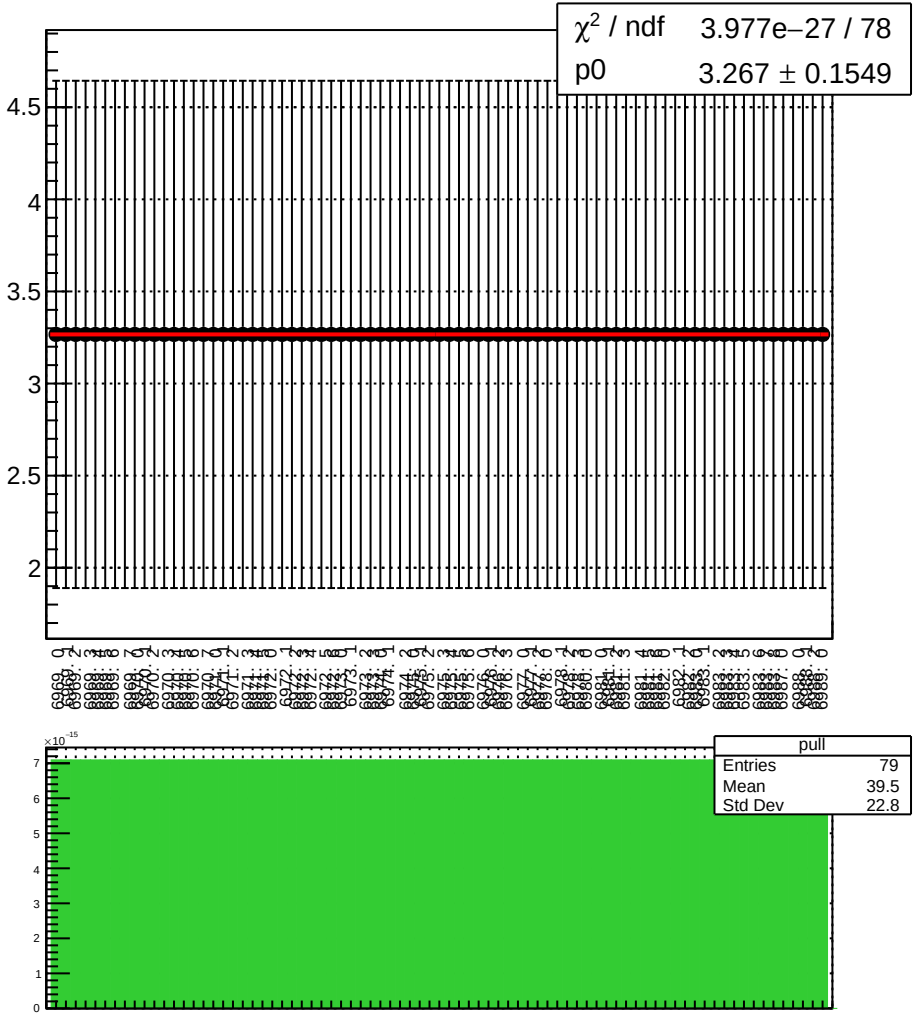


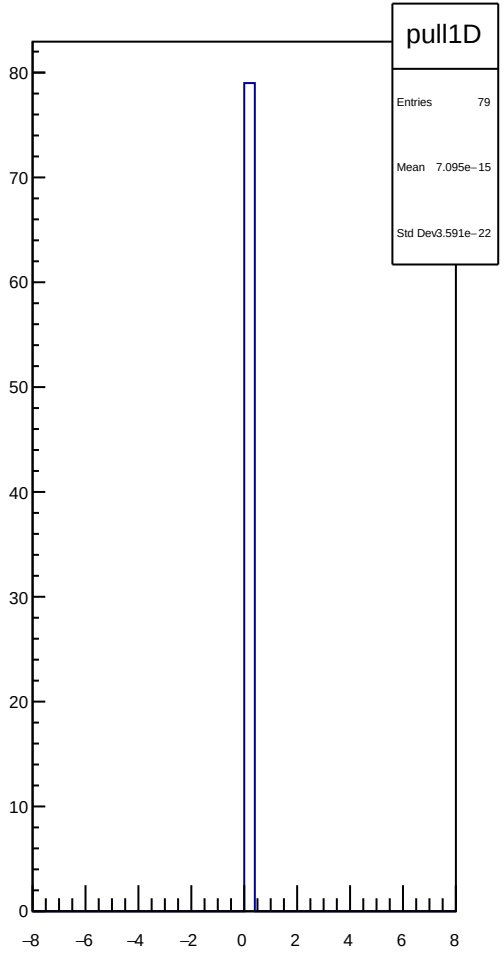

dit_atr2_4aY_slope vs run
χ² / ndf 2.093e−25 / 78
p0 −20.7 ± 0.1165
−19.5
−20
−20.5
−21
−21.5
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹⁵
0
−10
−20
−30
−40
−50
pull1D
Entries 79
Mean −5.147e−14
Std Dev 2.934e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_atr2_4eY_slope vs run
χ^2 / ndf 1.885e−26 / 78
p0 122.5 ± 0.1035
123.5
123
122.5
122
121.5
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10^−15
0
−2
−4
−6
−8
−10
−12
−14
−16

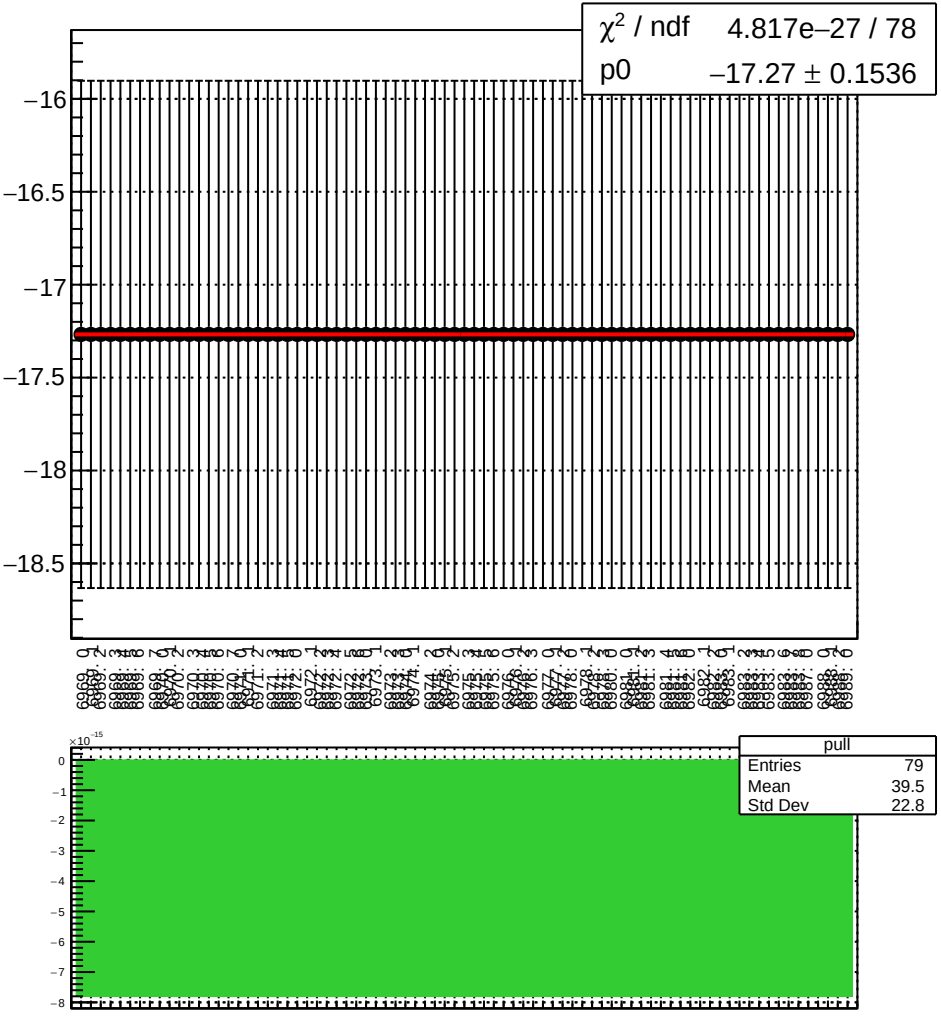

pull1D
Entries 79
Mean −1.545e−14
Std Dev7.023e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

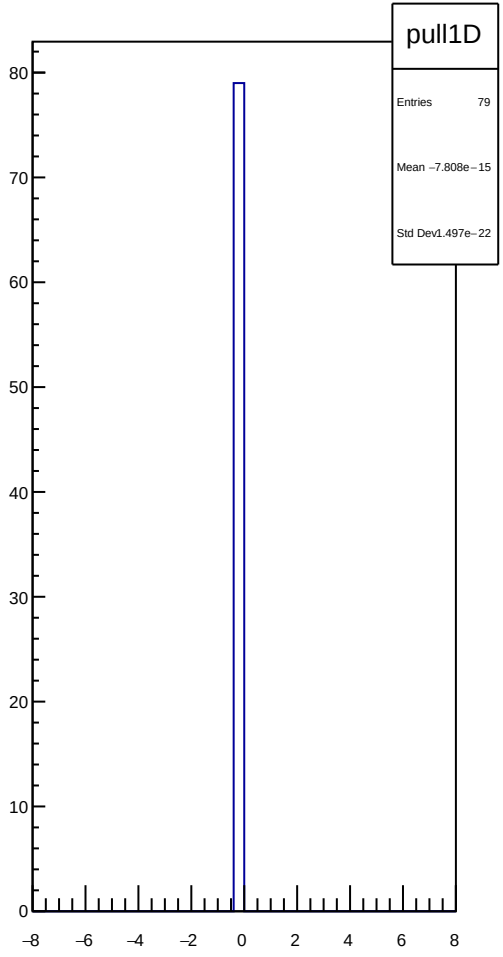
dit_sam1_4aX_slope vs run

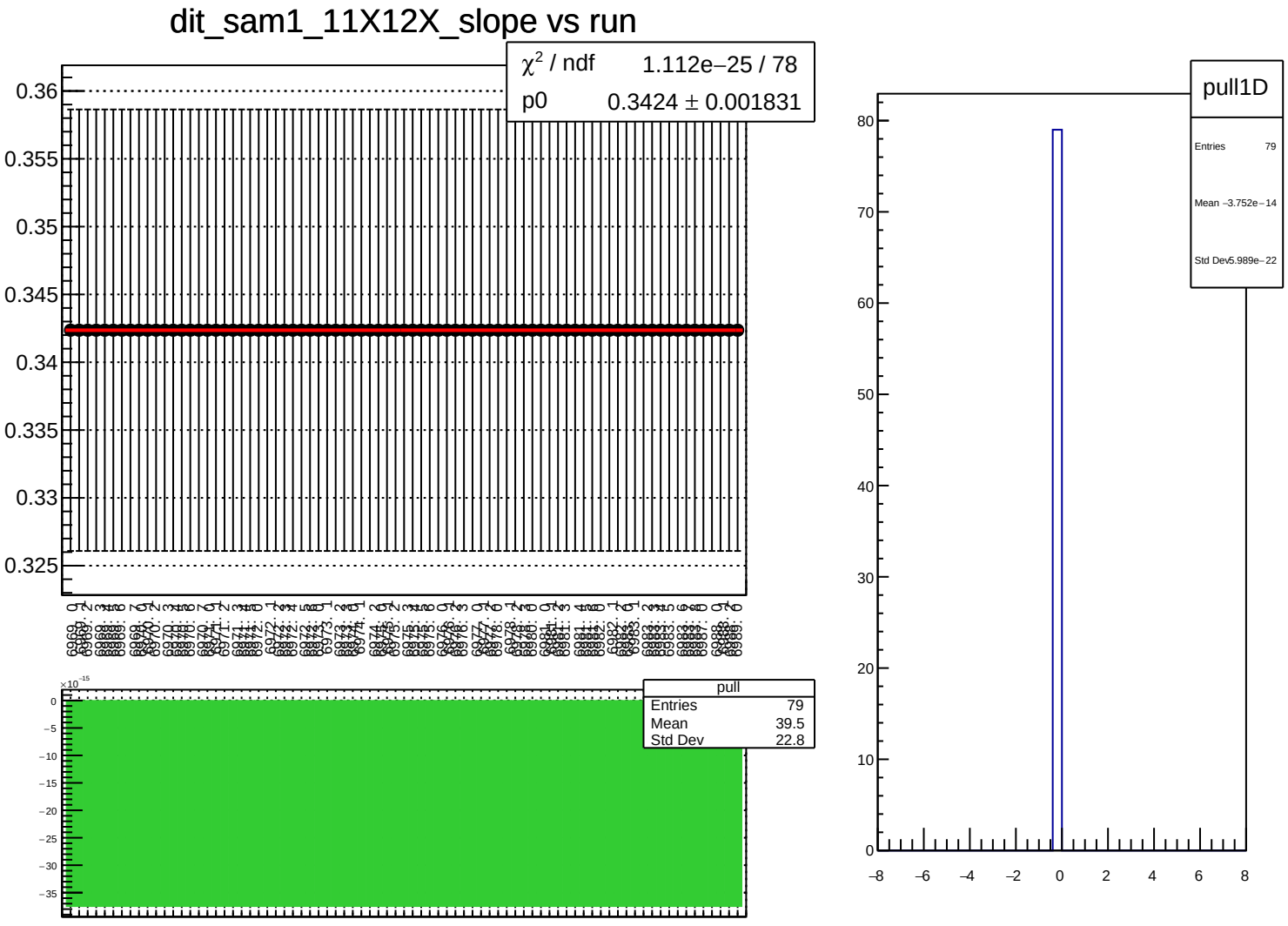


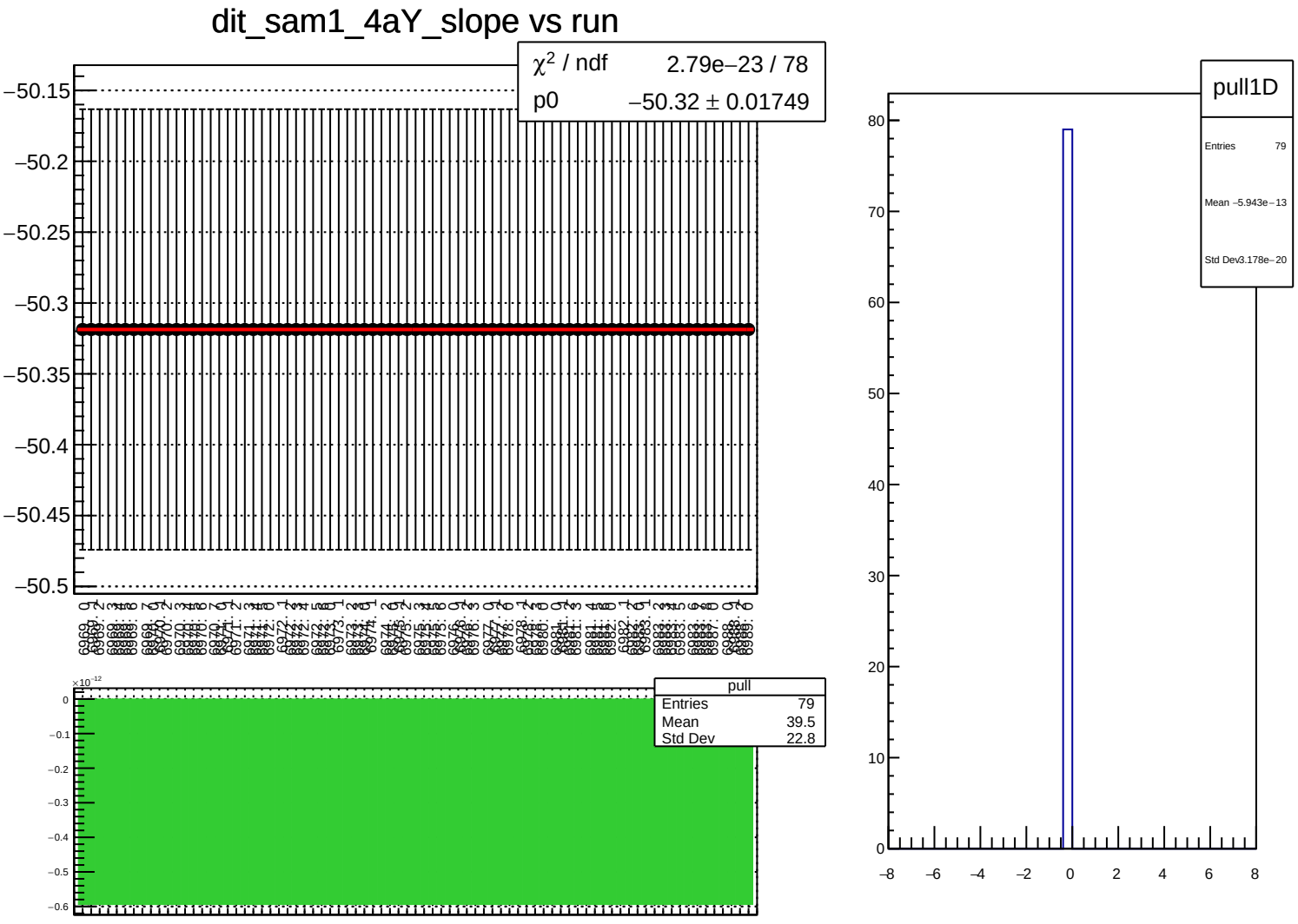


dit_sam1_4eX_slope vs run

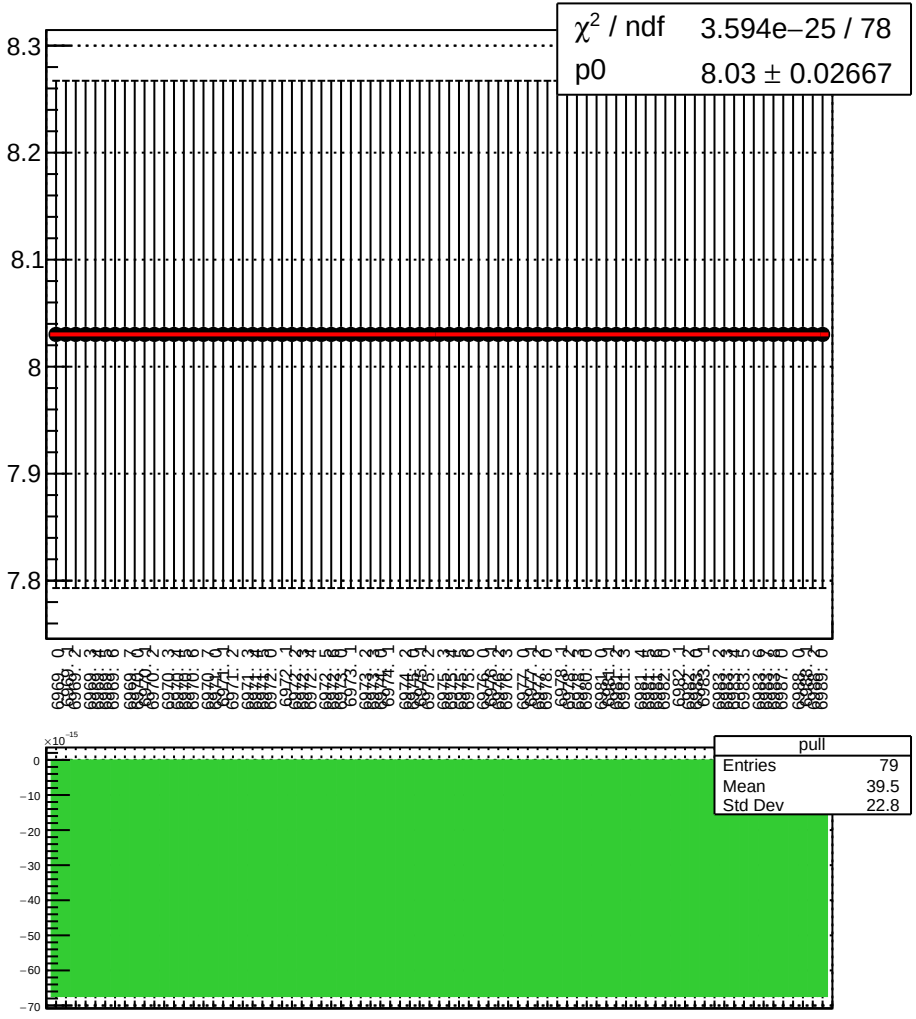


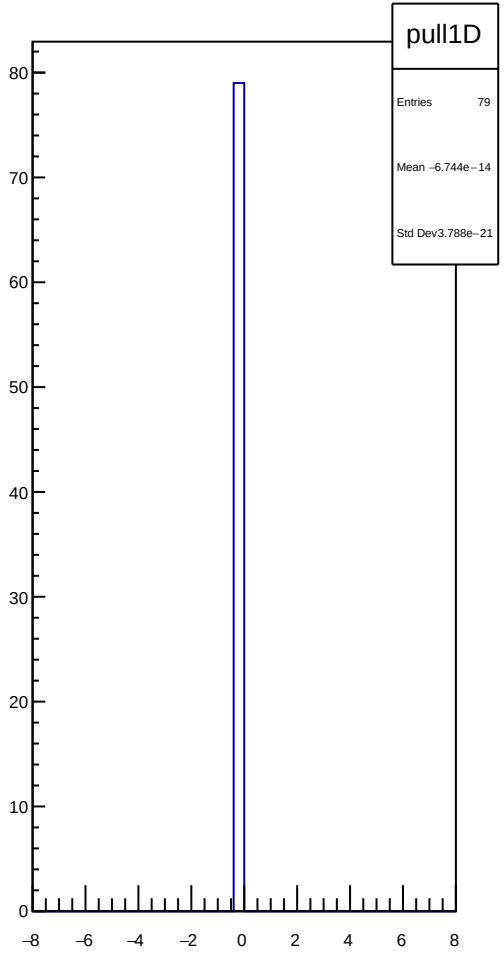


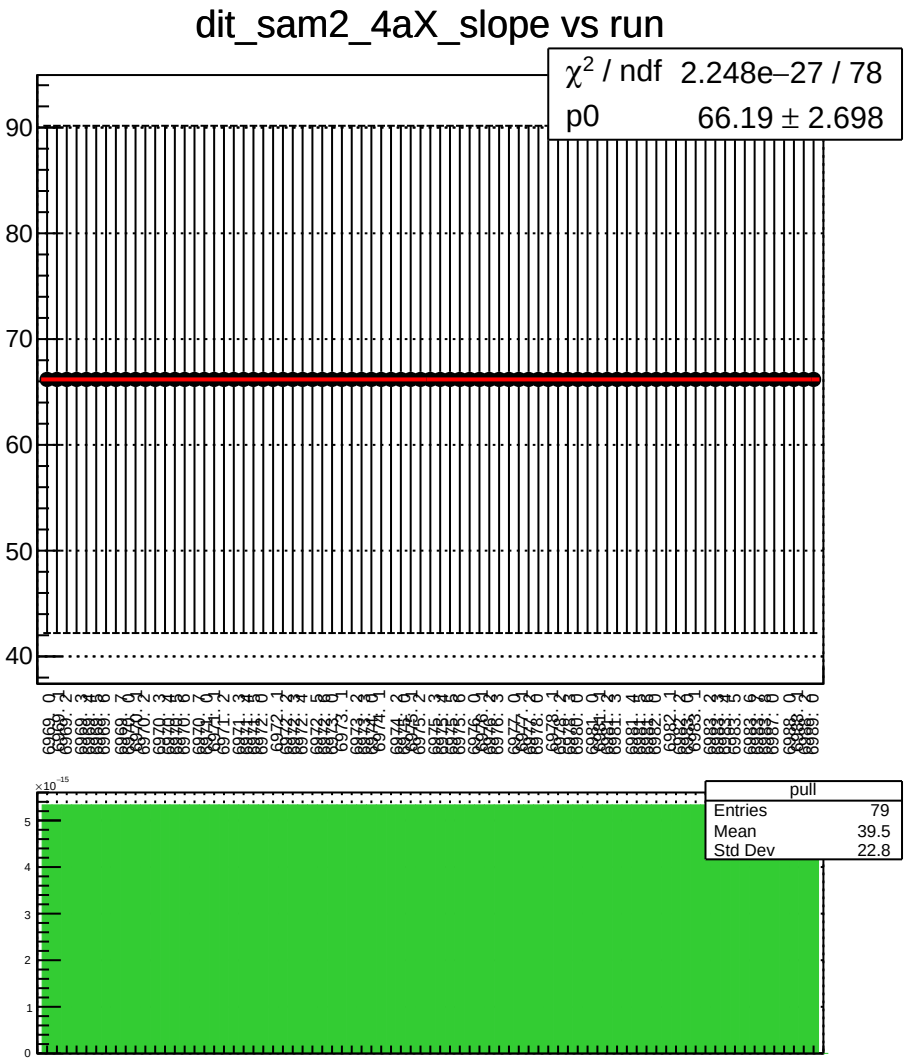

dit_sam1_11X12X_slope vs run
χ^2 / ndf 1.112e−25 / 78
p0 0.3424 ± 0.001831
0.36
0.355
0.35
0.345
0.34
0.335
0.33
0.325
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10^−15
0
−5
−10
−15
−20
−25
−30
−35
pull1D
Entries 79
Mean −3.752e−14
Std Dev 5.989e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

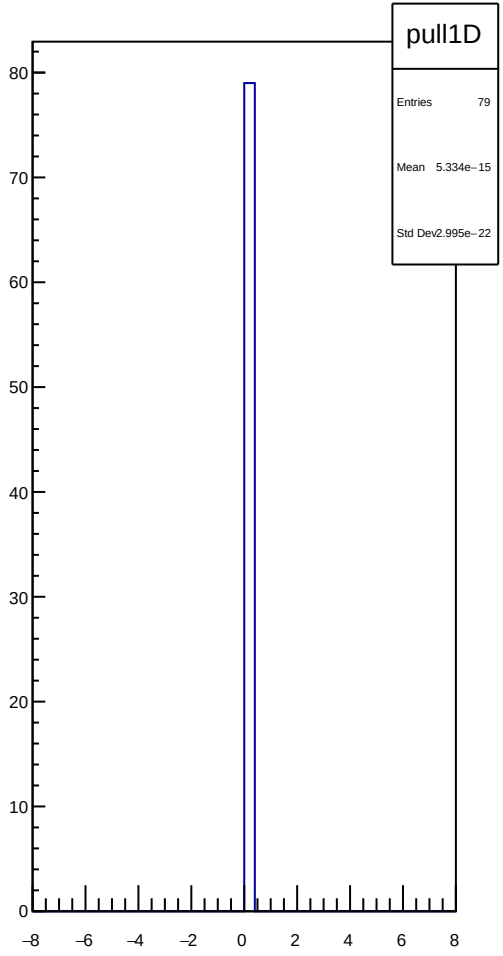

dit_sam1_4aY_slope vs run
χ² / ndf 2.79e−23 / 78
p0 −50.32 ± 0.01749
−50.15
−50.2
−50.25
−50.3
−50.35
−50.4
−50.45
−50.5
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
pull1D
Entries 79
Mean −5.943e−13
Std Dev 3.178e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

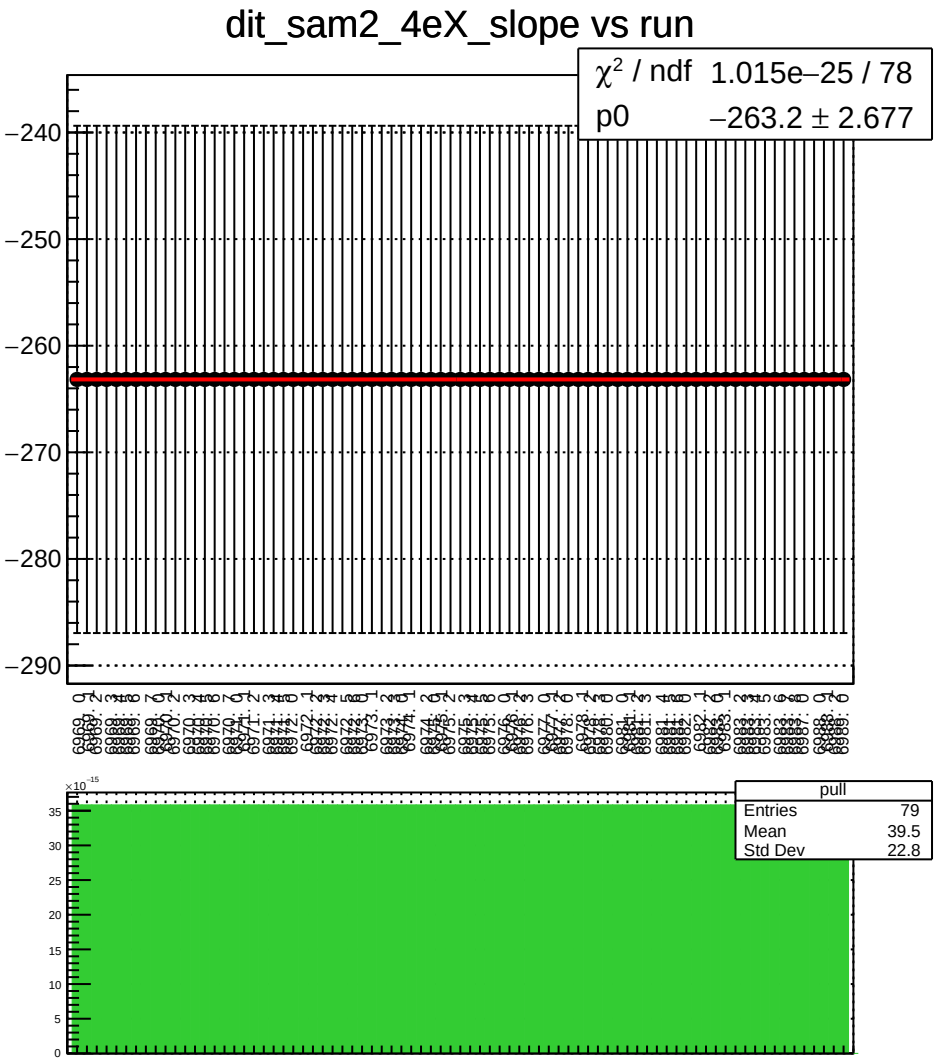
dit_sam1_4eY_slope vs run

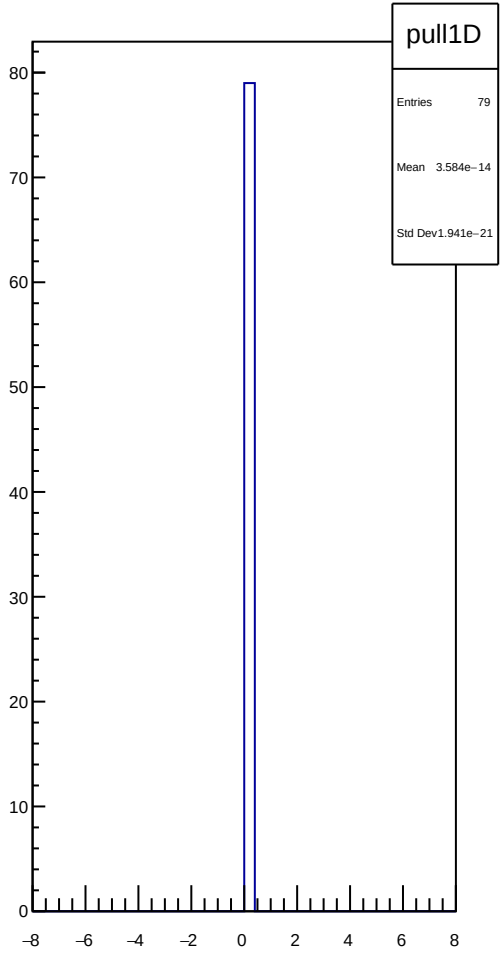


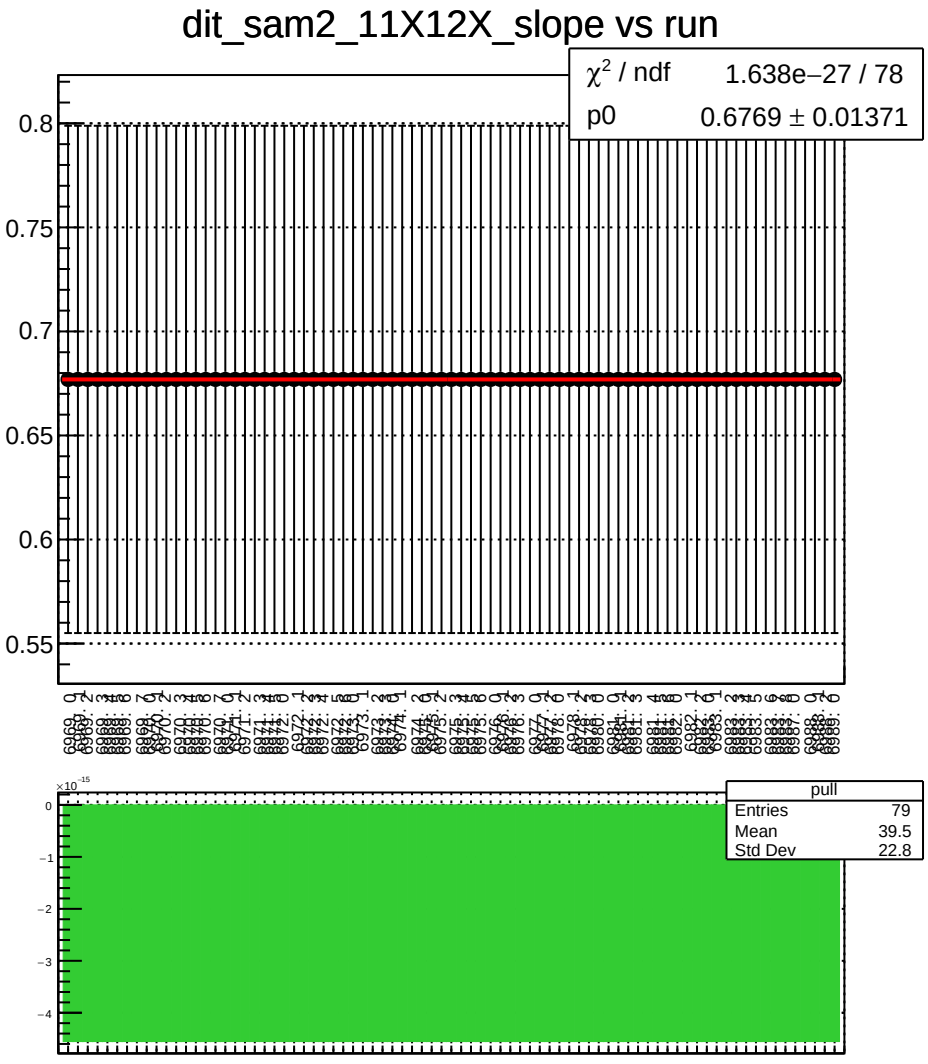


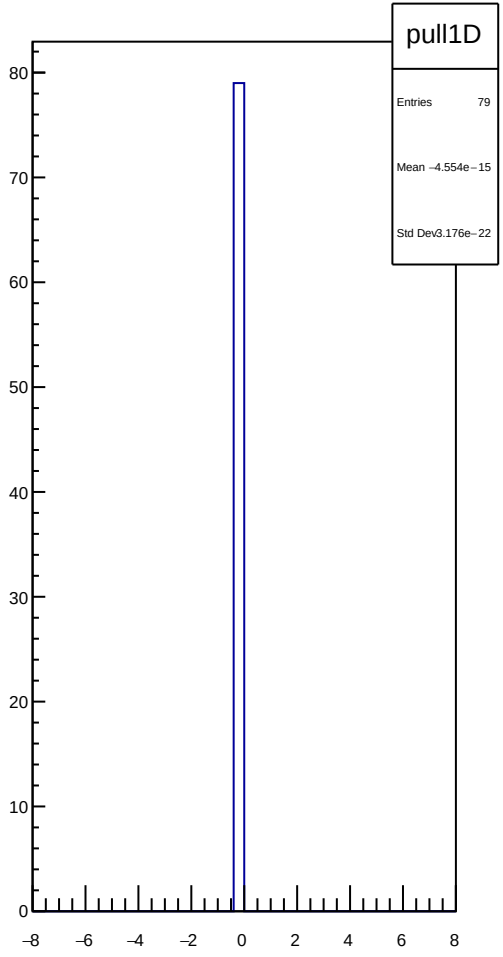

dit_sam2_4aX_slope vs run
χ^2 / ndf 2.248e−27 / 78
p0 66.19 ± 2.698
90
80
70
60
50
40
pull
Entries 79
Mean 39.5
Std Dev 22.8
$\times 10^{-15}$
5
4
3
2
1
0

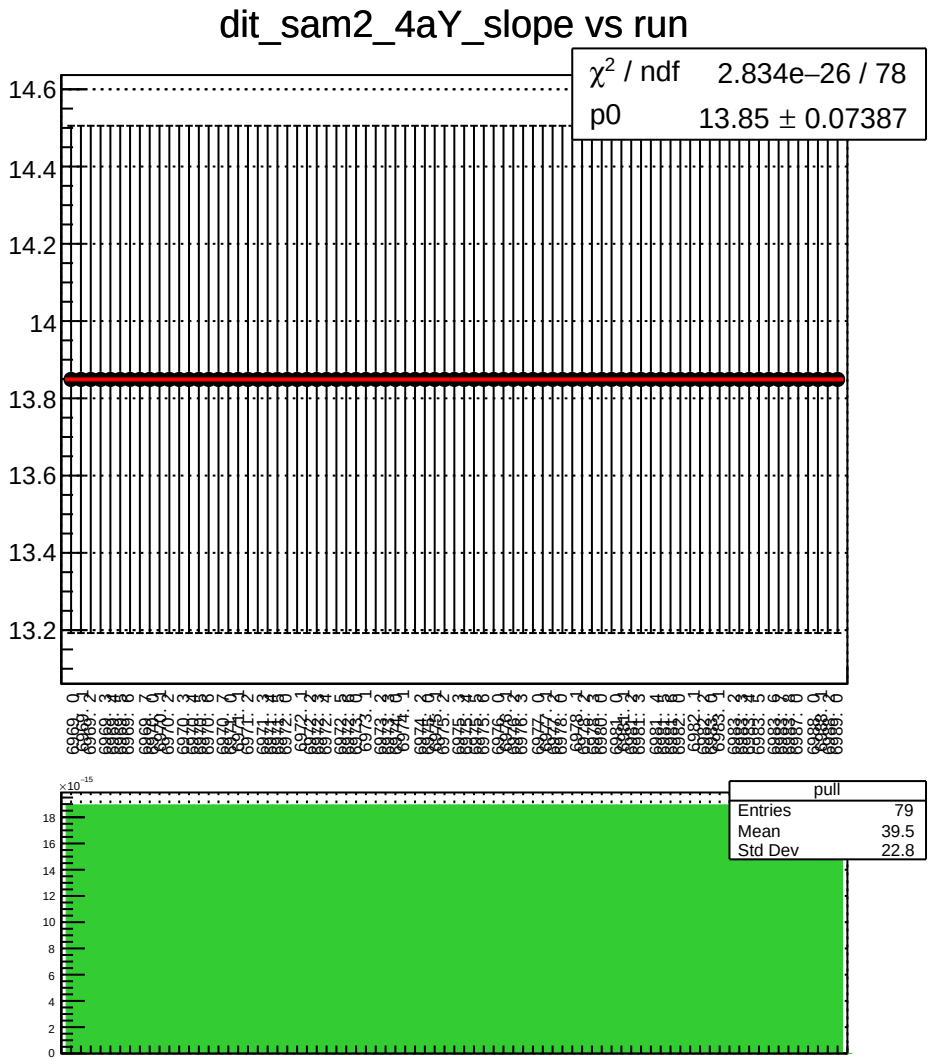

pull1D
Entries 79
Mean 5.334e−15
Std Dev 2.995e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

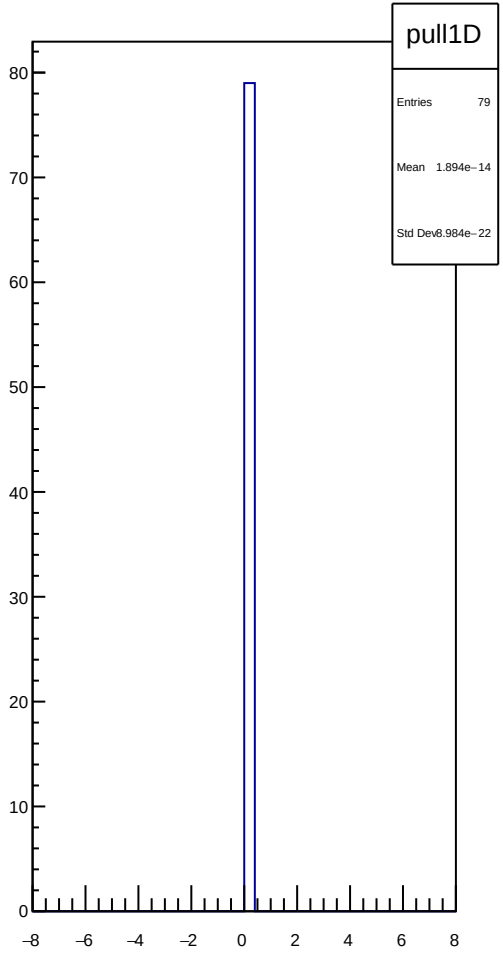

dit_sam2_4eX_slope vs run
χ² / ndf 1.015e−25 / 78
p0 −263.2 ± 2.677
−240
−250
−260
−270
−280
−290
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹⁵
35
30
25
20
15
10
5
0

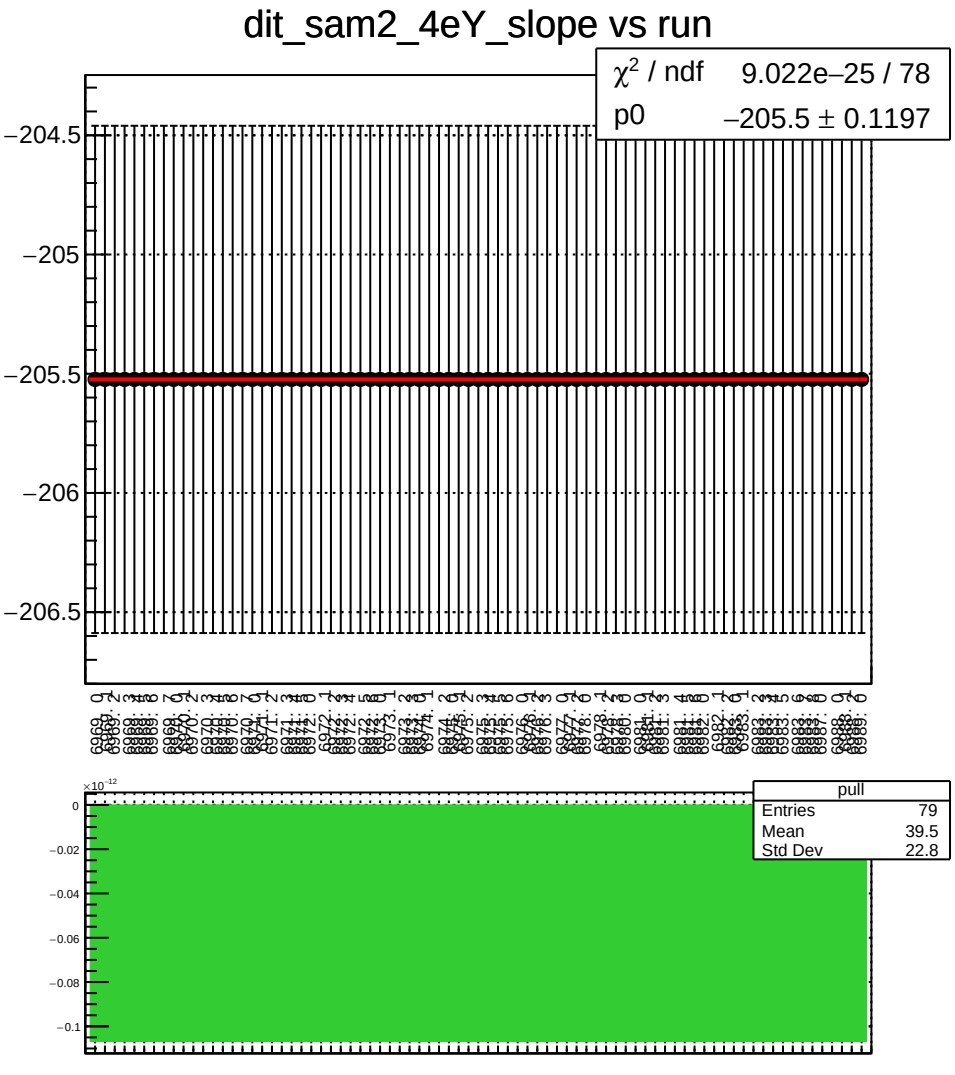

pull1D
Entries 79
Mean 3.584e−14
Std Dev 1.941e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

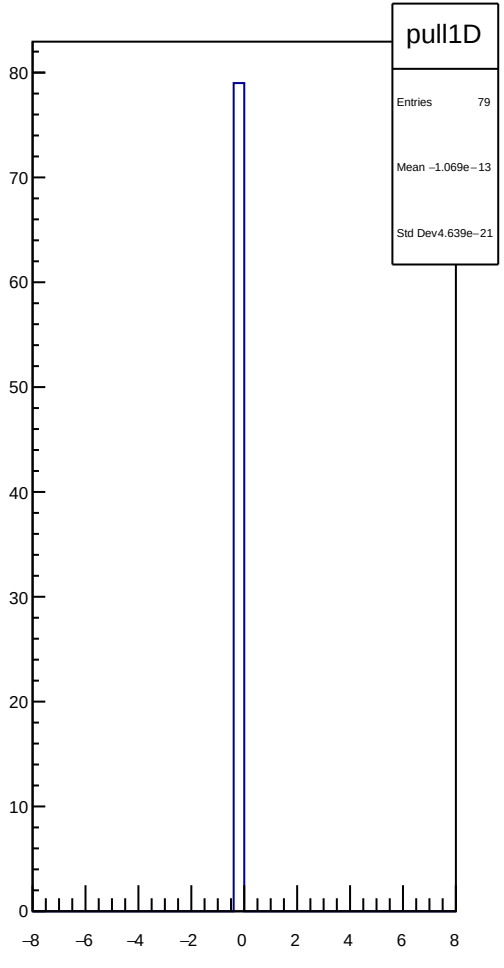

dit_sam2_11X12X_slope vs run
χ^2 / ndf 1.638e−27 / 78
p0 0.6769 ± 0.01371
0.8
0.75
0.7
0.65
0.6
0.55
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10^−15
0
−1
−2
−3
−4

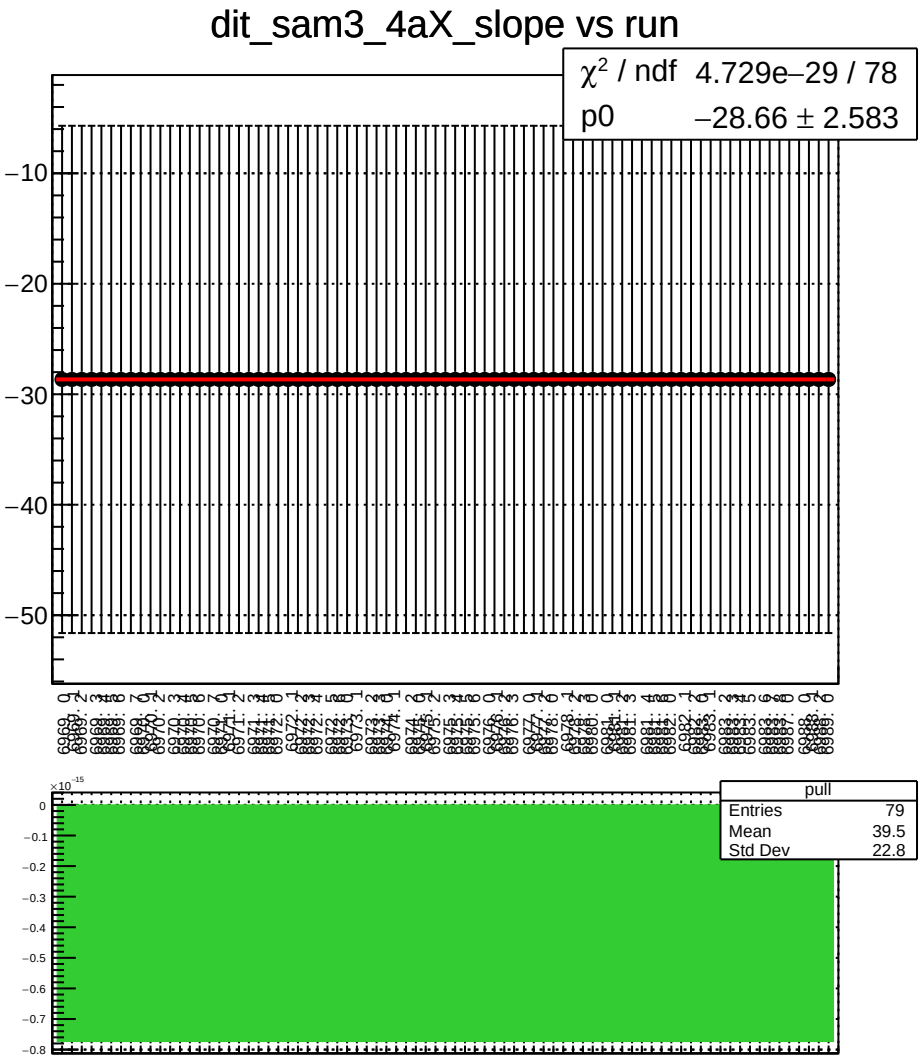

pull1D
Entries 79
Mean −4.554e−15
Std Dev 3.176e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

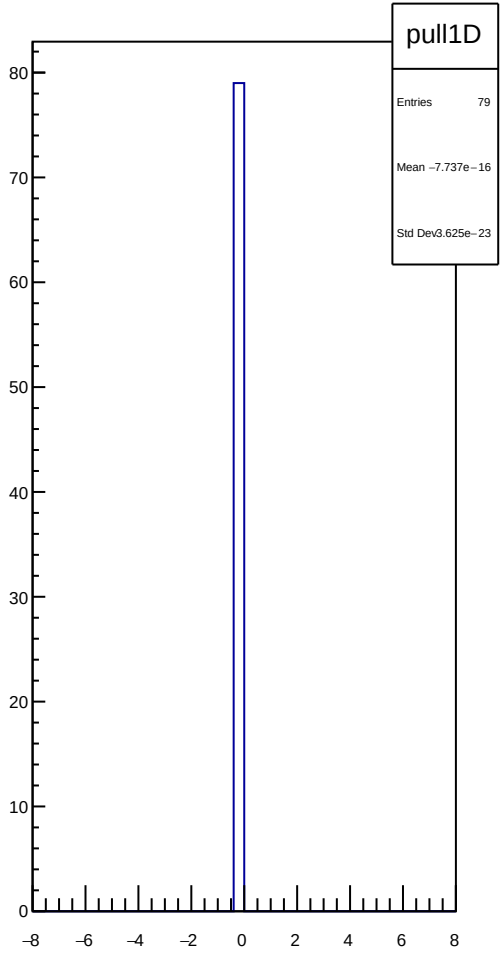

dit_sam2_4aY_slope vs run
χ^2 / ndf 2.834e−26 / 78
p0 13.85 ± 0.07387
14.6
14.4
14.2
14
13.8
13.6
13.4
13.2
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10^-15
18
16
14
12
10
8
6
4
2
0

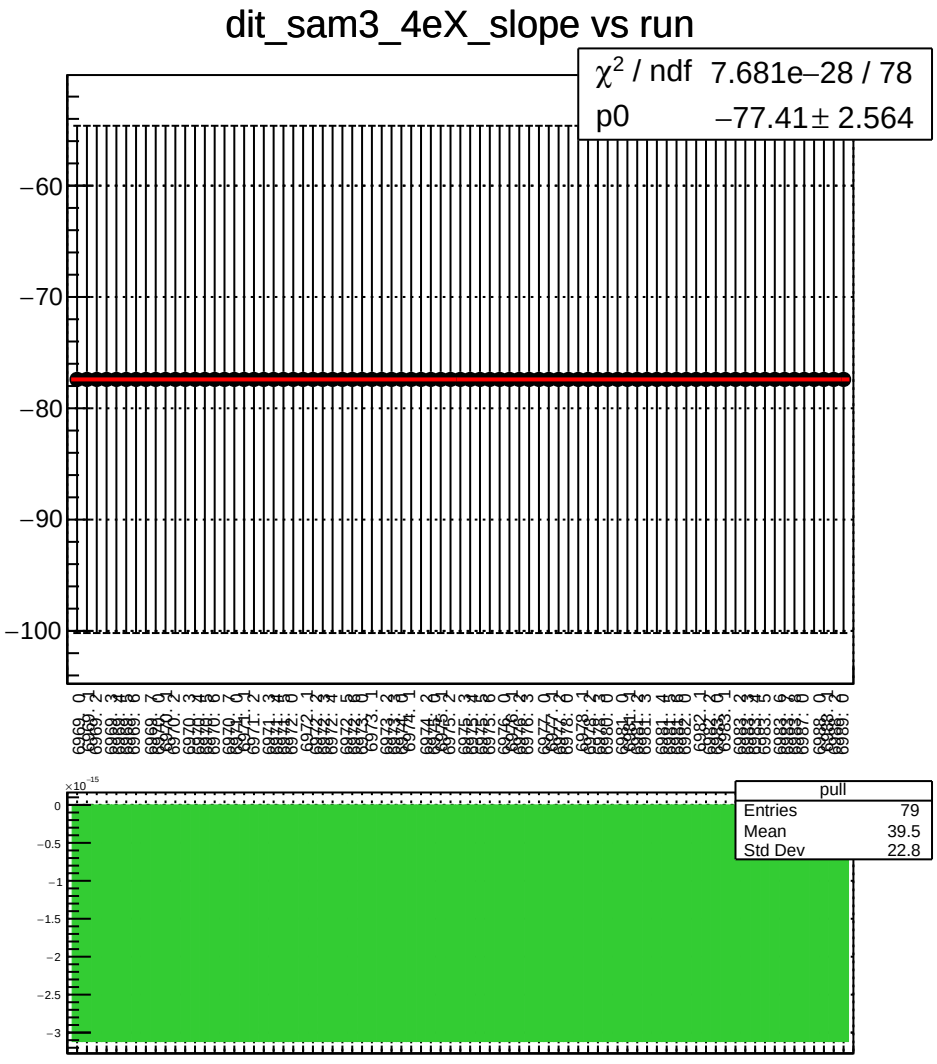

pull1D
Entries 79
Mean 1.894e−14
Std Dev 8.984e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

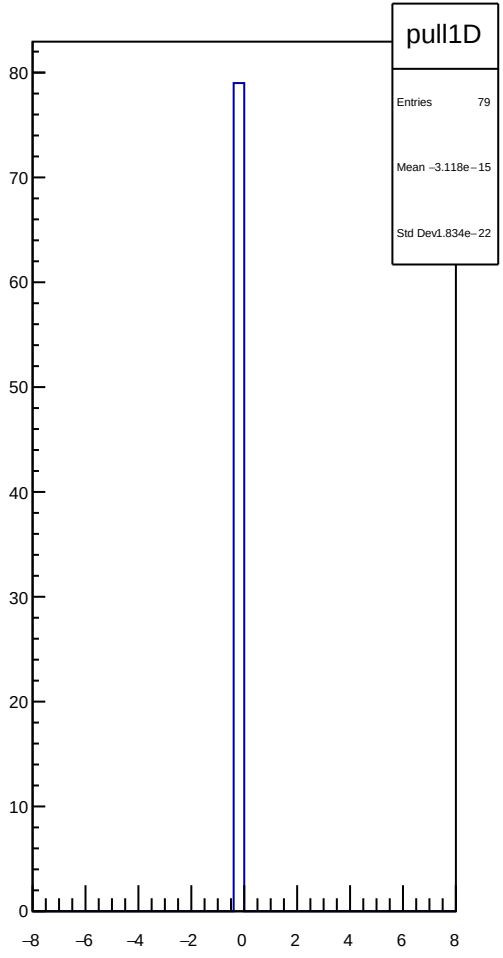

dit_sam2_4eY_slope vs run
χ^2 / ndf 9.022e−25 / 78
p0 −205.5 ± 0.1197
−204.5
−205
−205.5
−206
−206.5
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10^−12
0
−0.02
−0.04
−0.06
−0.08
−0.1


pull1D
Entries 79
Mean −1.069e−13
Std Dev4.639e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

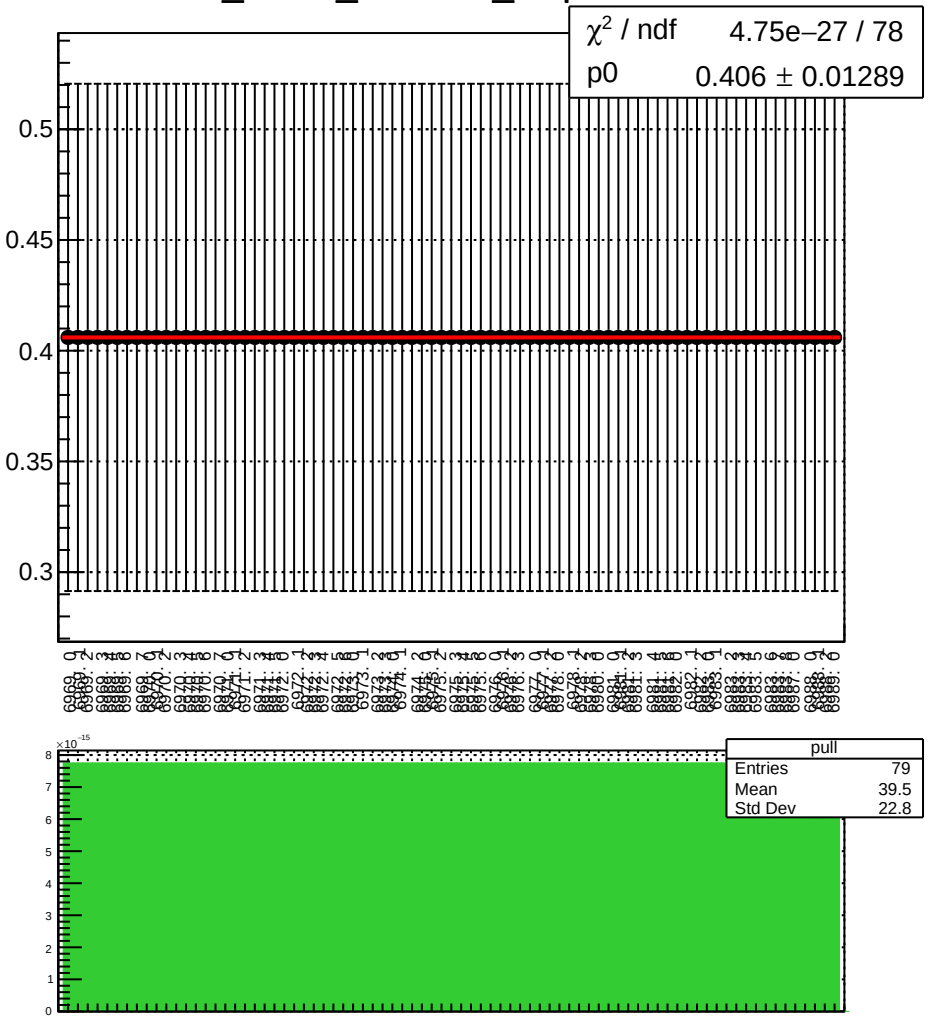

dit_sam3_4aX_slope vs run
χ² / ndf 4.729e−29 / 78
p0 −28.66 ± 2.583
−10
−20
−30
−40
−50
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹⁵
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
−0.8

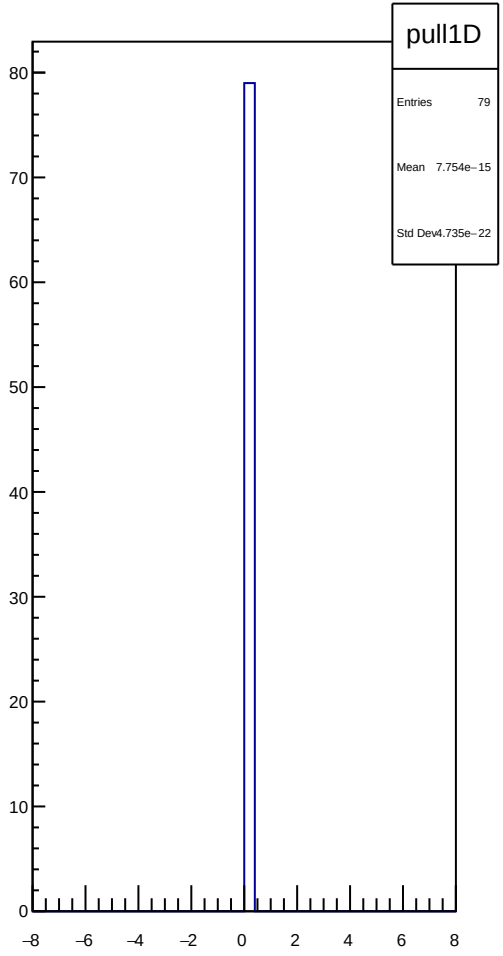

pull1D
Entries 79
Mean −7.737e−16
Std Dev 3.625e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam3_4eX_slope vs run
χ^2 / ndf 7.681e−28 / 78
p0 −77.41 ± 2.564
−60
−70
−80
−90
−100
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10^−15
0
−0.5
−1
−1.5
−2
−2.5
−3

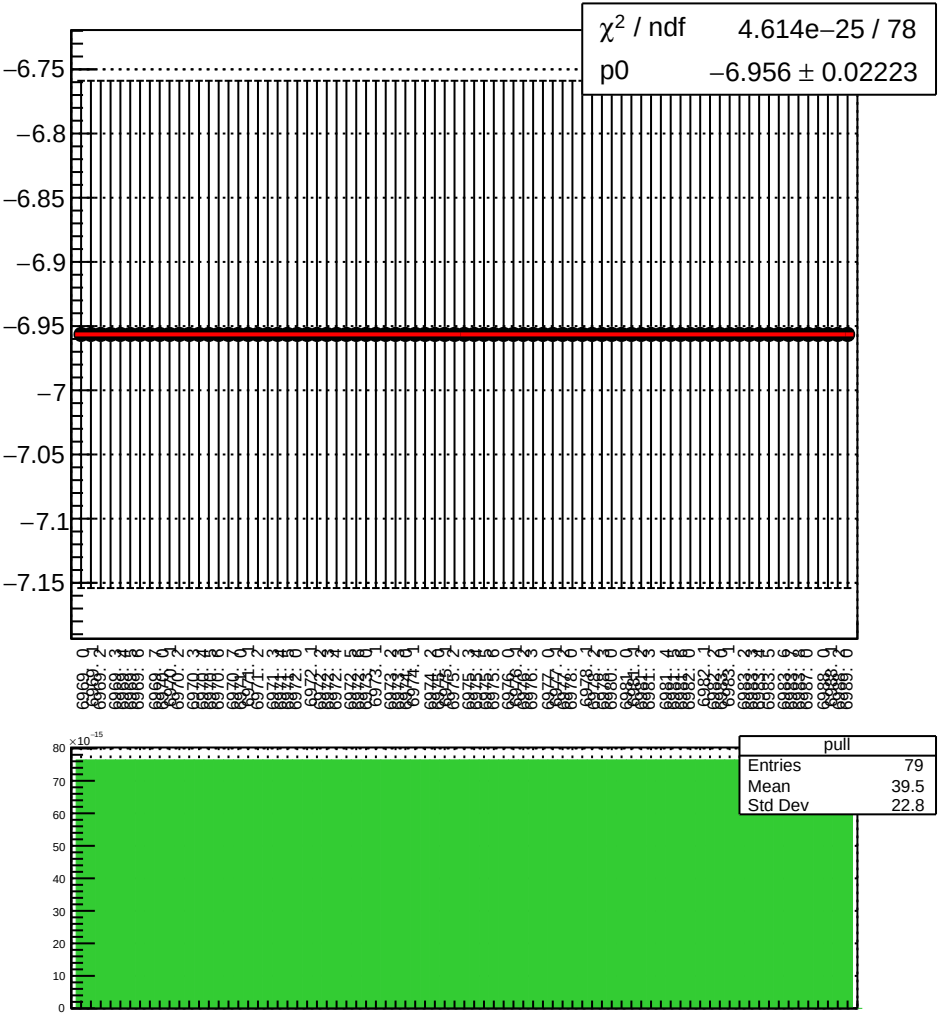

pull1D
Entries 79
Mean −3.118e−15
Std Dev 1.834e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

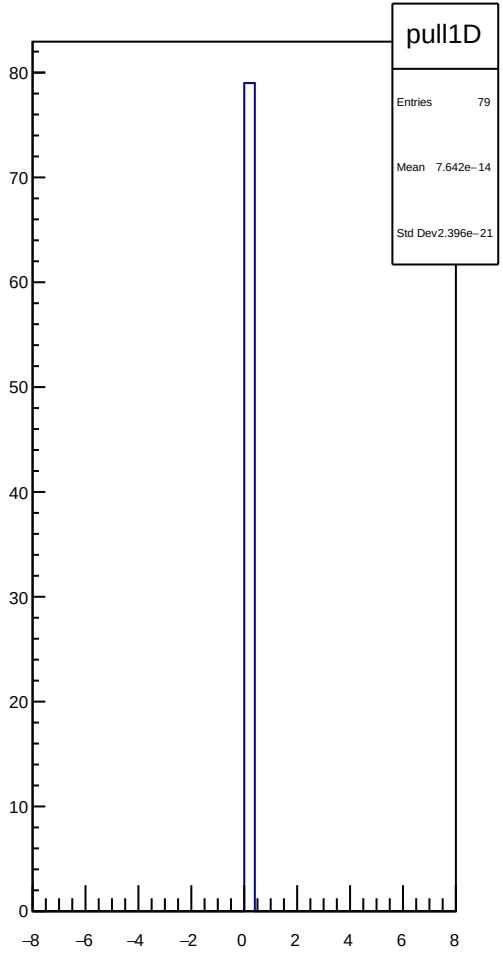
dit_sam3_11X12X_slope vs run



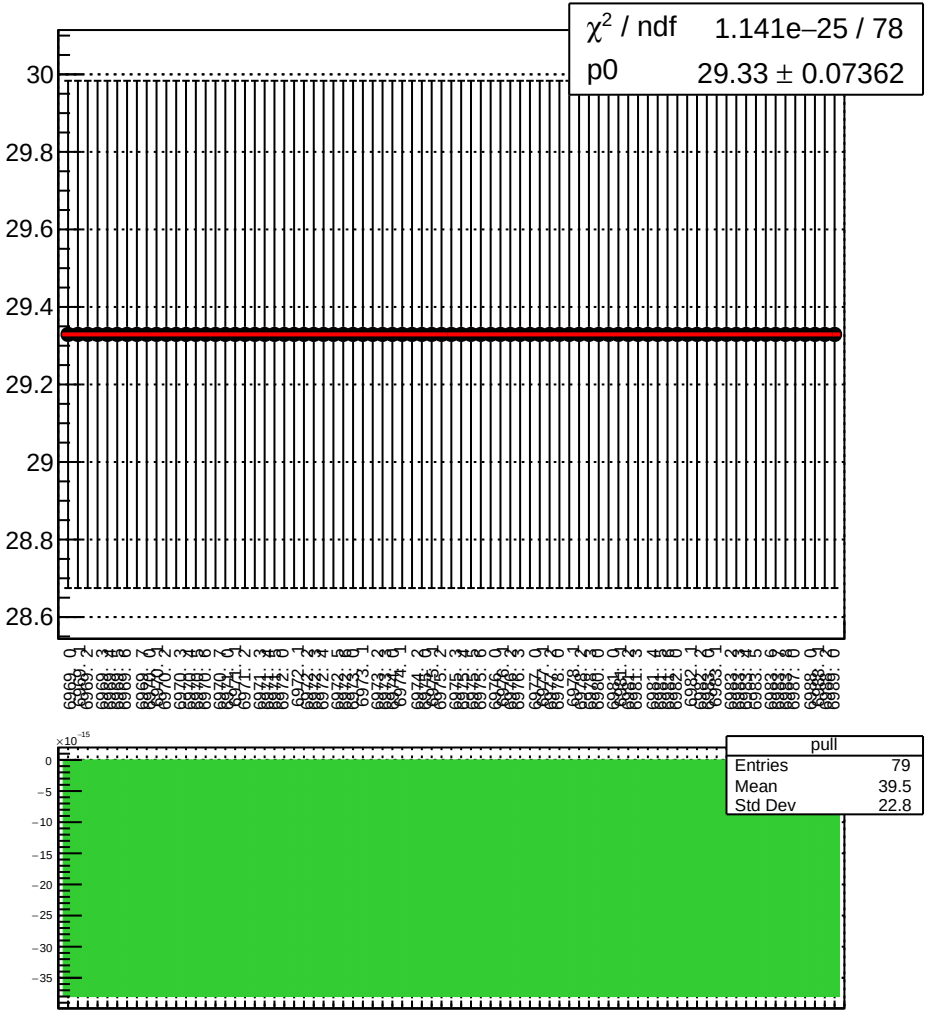


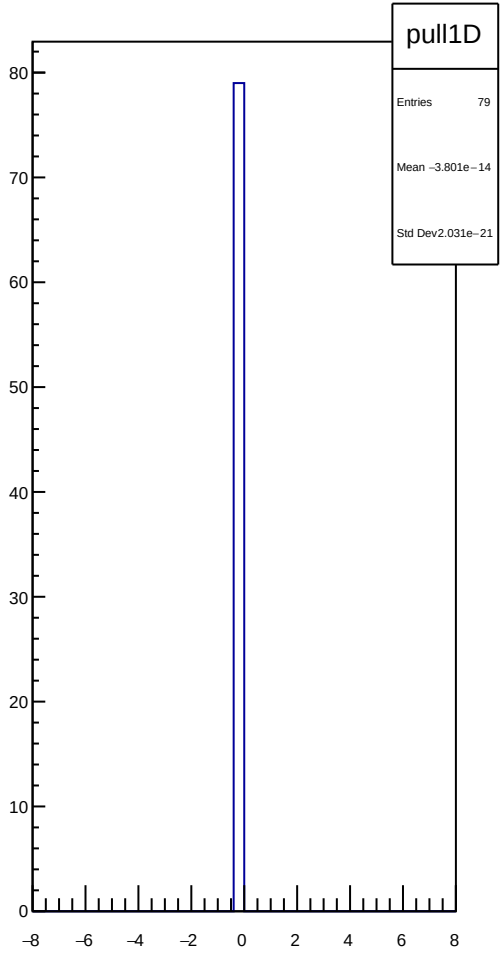
dit_sam3_4aY_slope vs run

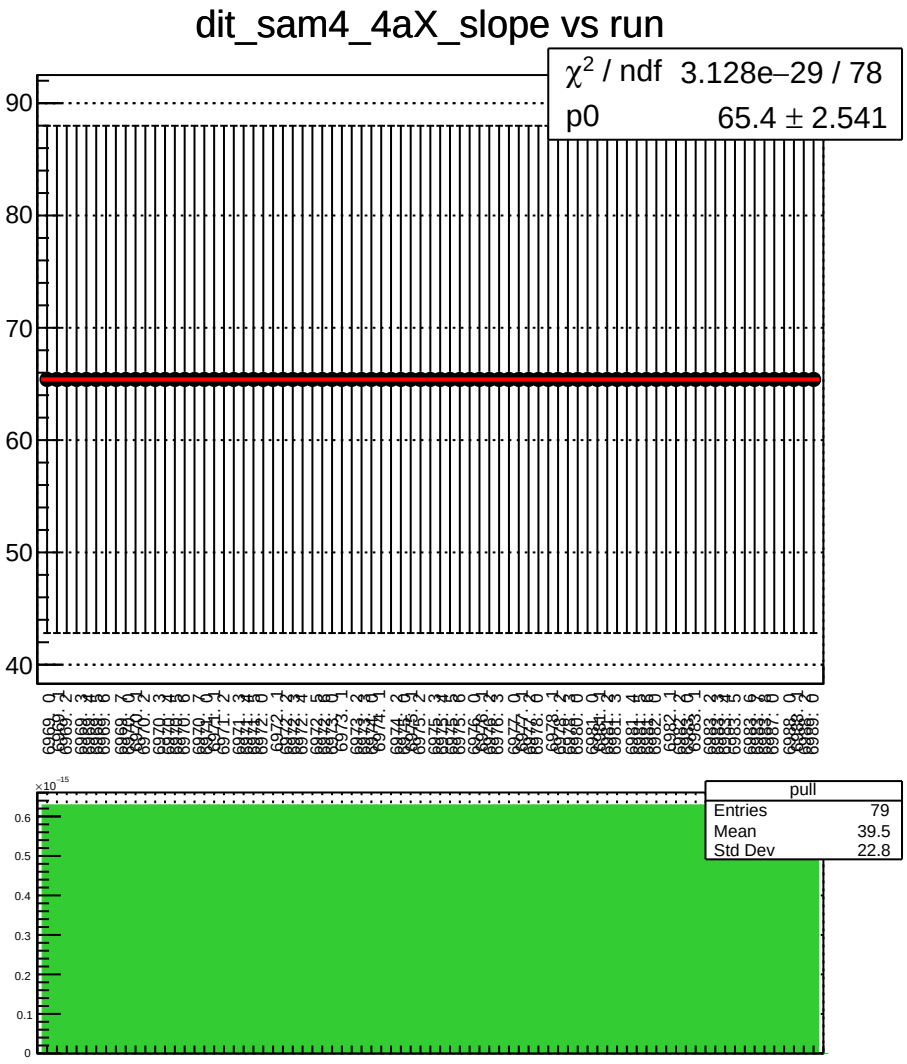


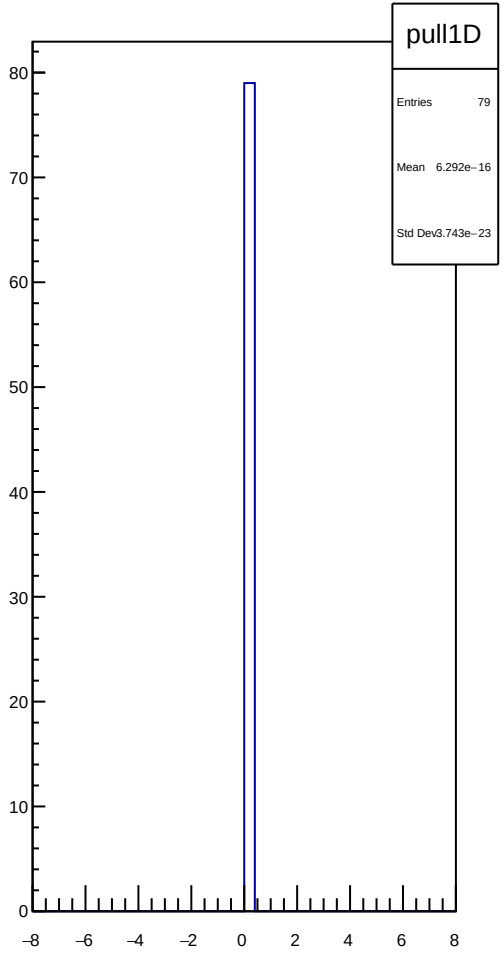


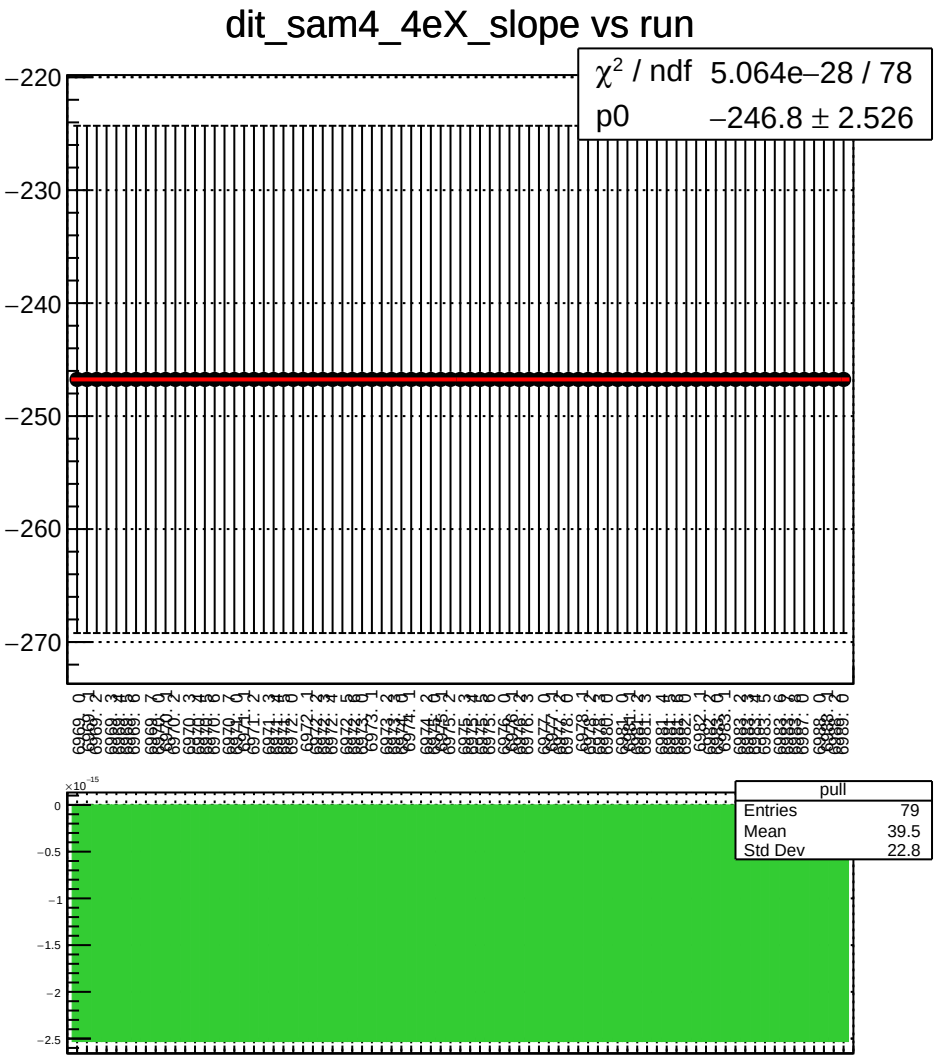
dit_sam3_4eY_slope vs run

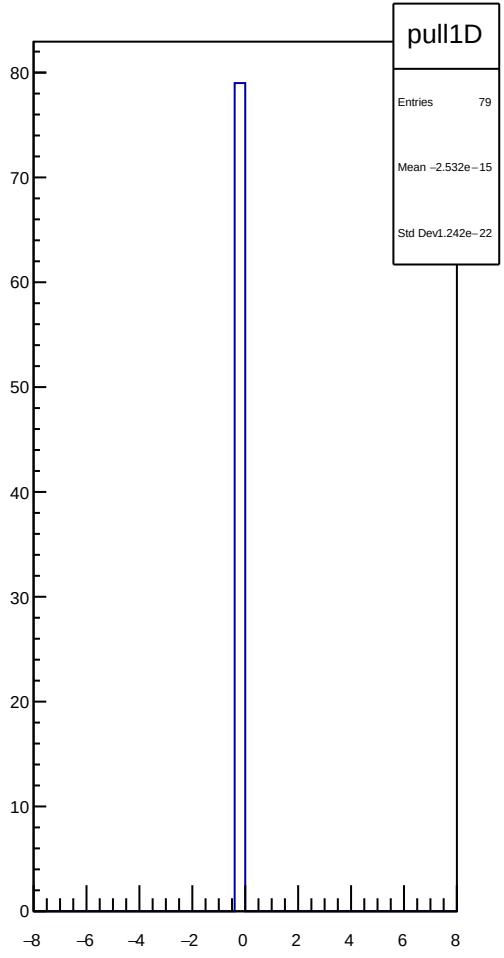




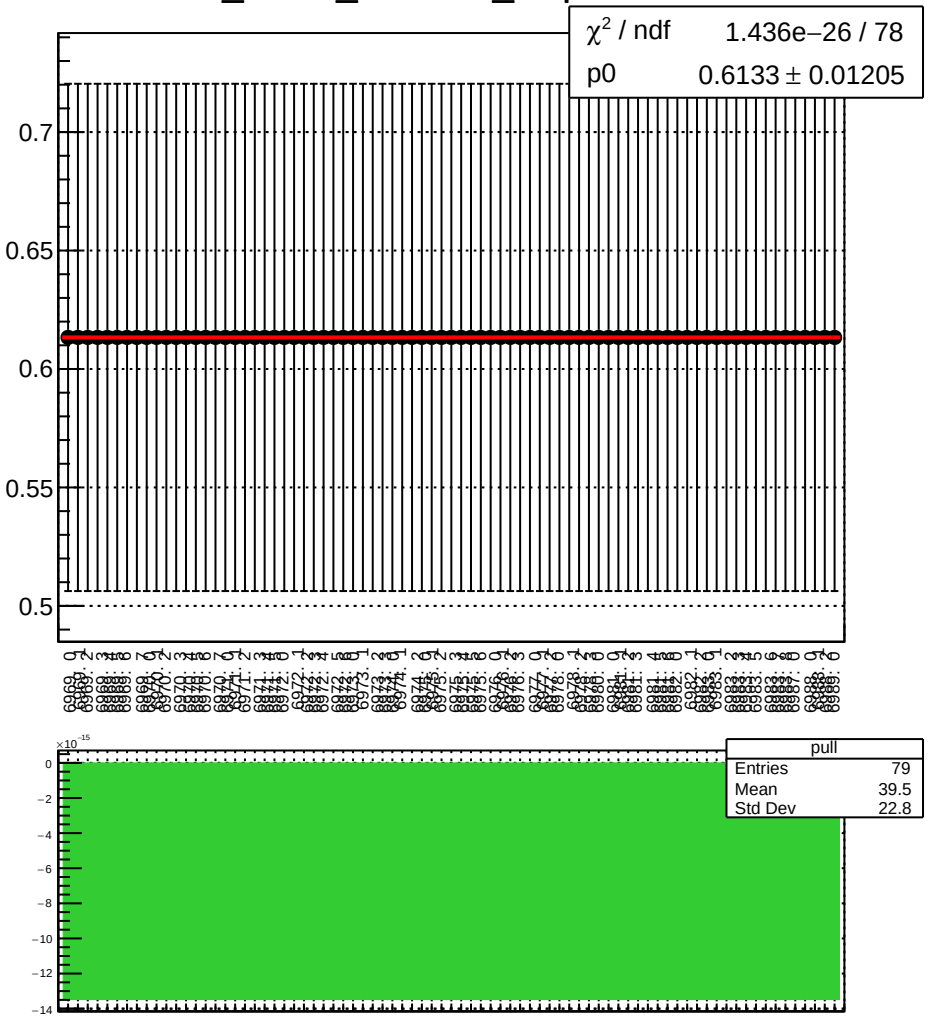

dit_sam4_4aX_slope vs run
χ^2 / ndf 3.128e−29 / 78
p0 65.4 ± 2.541
pull
Entries 79
Mean 39.5
Std Dev 22.8

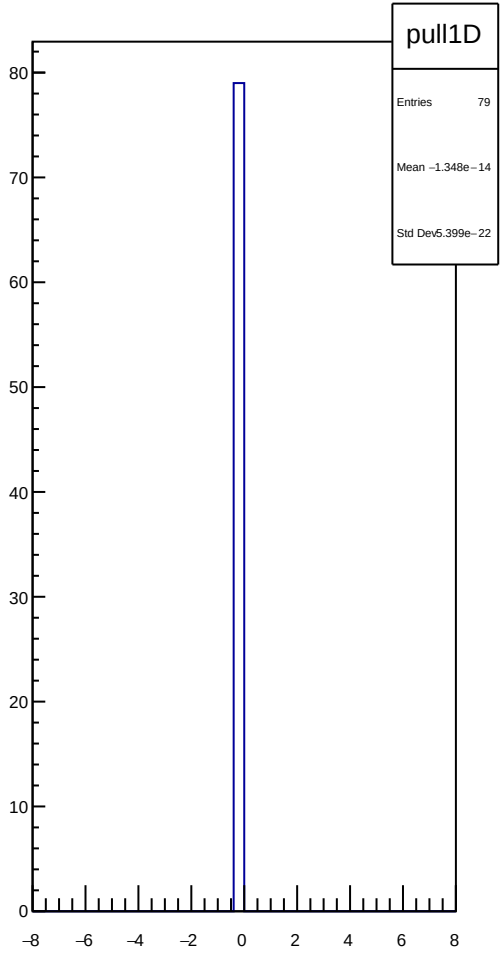

pull1D
Entries 79
Mean 6.292e−16
Std Dev 3.743e−23

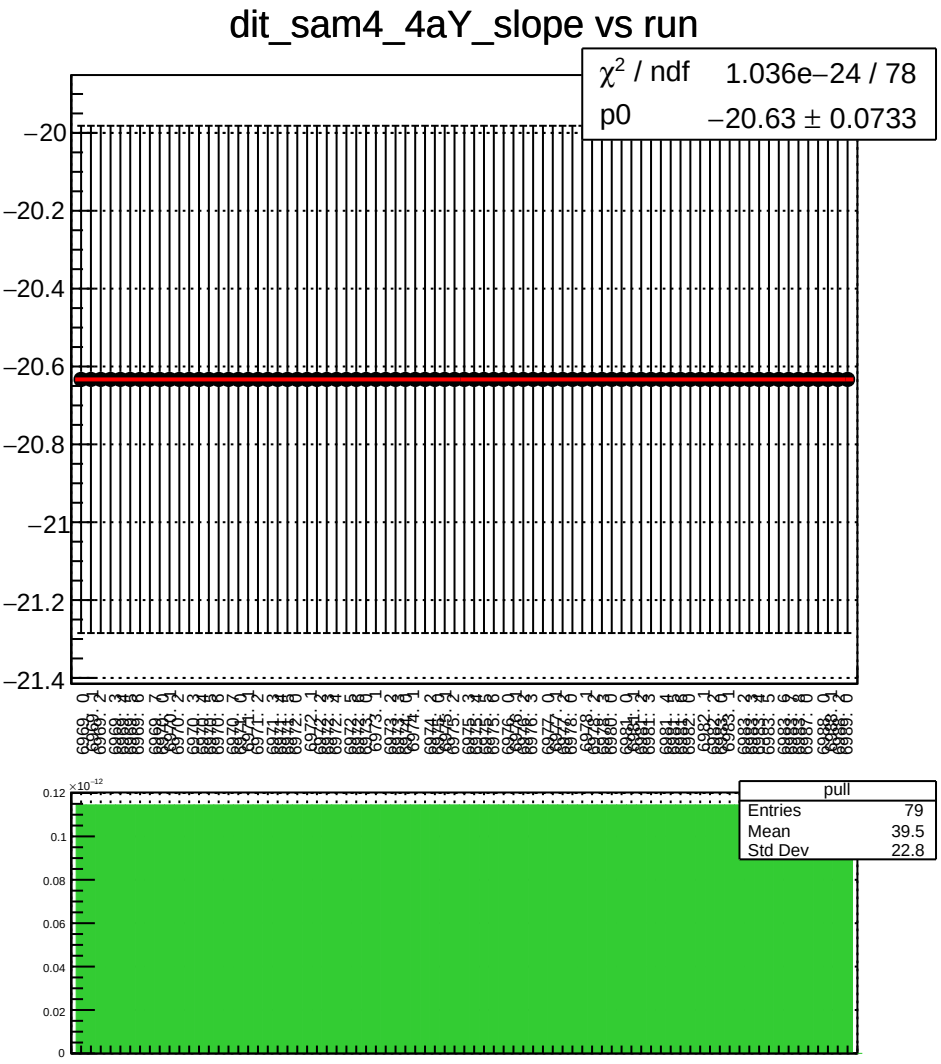

dit_sam4_4eX_slope vs run
χ^2 / ndf 5.064e−28 / 78
p0 −246.8 ± 2.526
−220
−230
−240
−250
−260
−270
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10^−15
0
−0.5
−1
−1.5
−2
−2.5

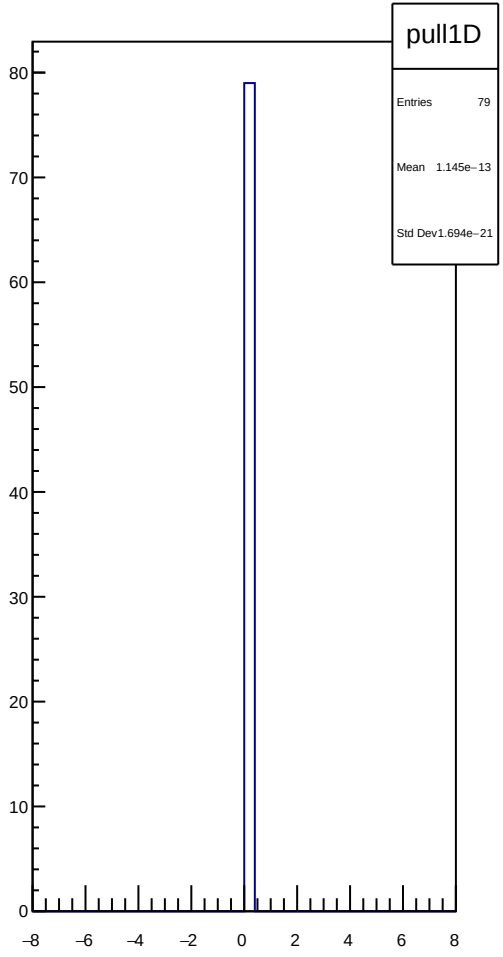

pull1D
Entries 79
Mean −2.532e−15
Std Dev1.242e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

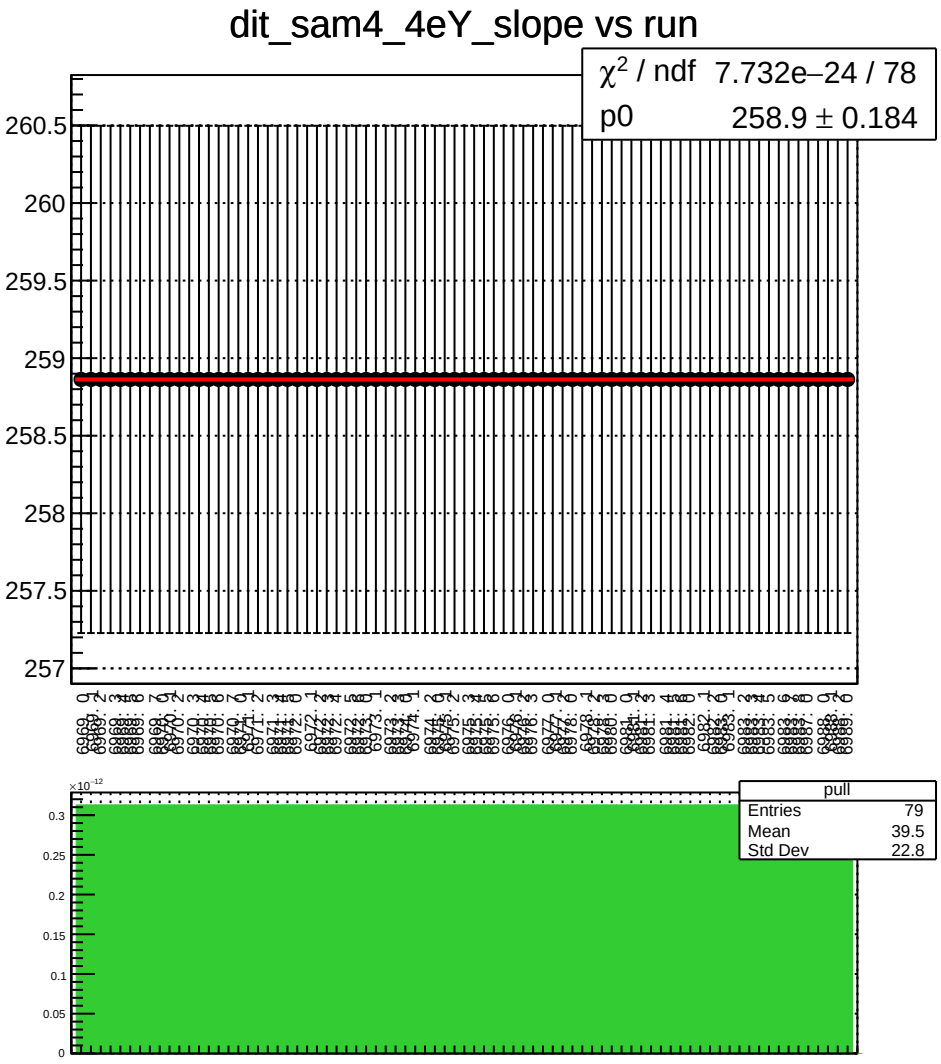
dit_sam4_11X12X_slope vs run

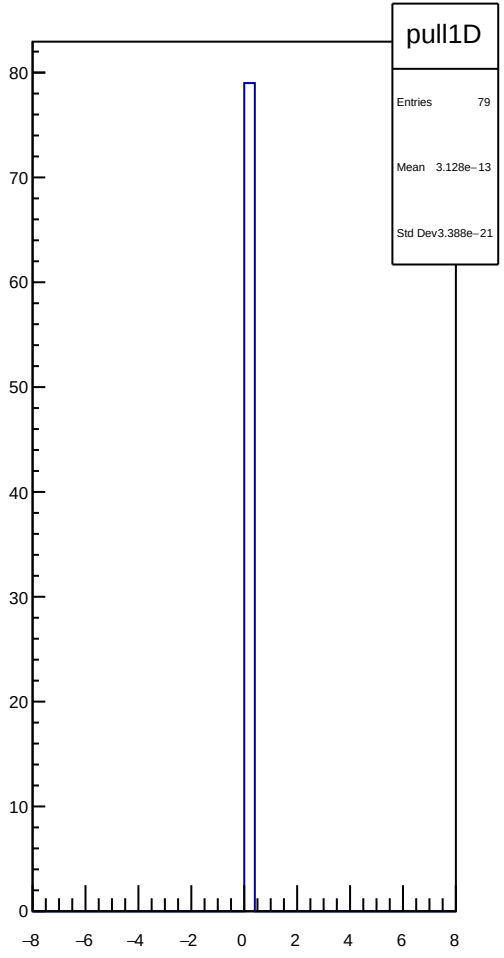


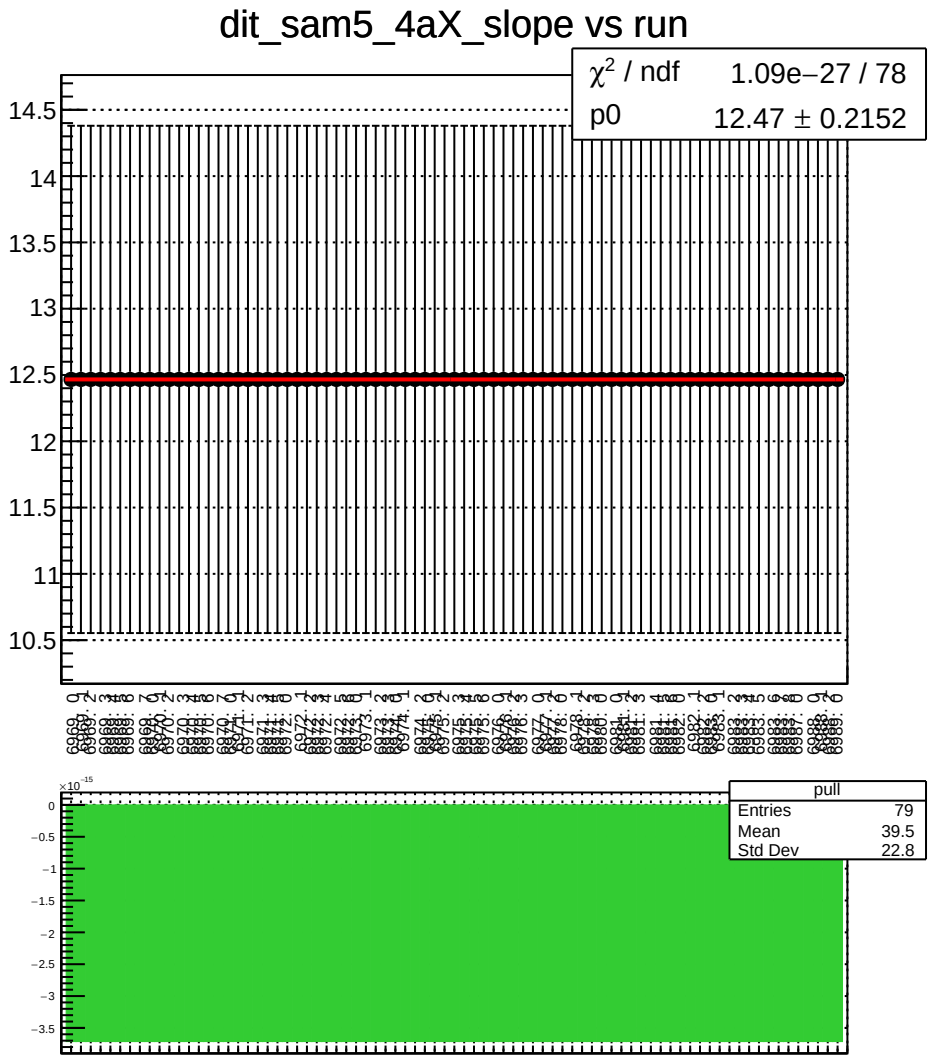


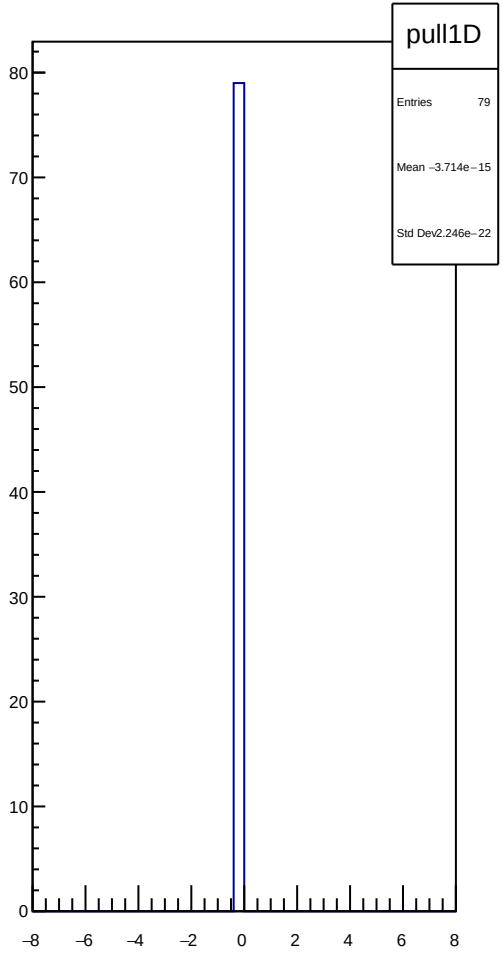

dit_sam4_4aY_slope vs run
χ^2 / ndf 1.036e−24 / 78
p0 −20.63 ± 0.0733
−20
−20.2
−20.4
−20.6
−20.8
−21
−21.2
−21.4
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10^−12
0.12
0.1
0.08
0.06
0.04
0.02
0

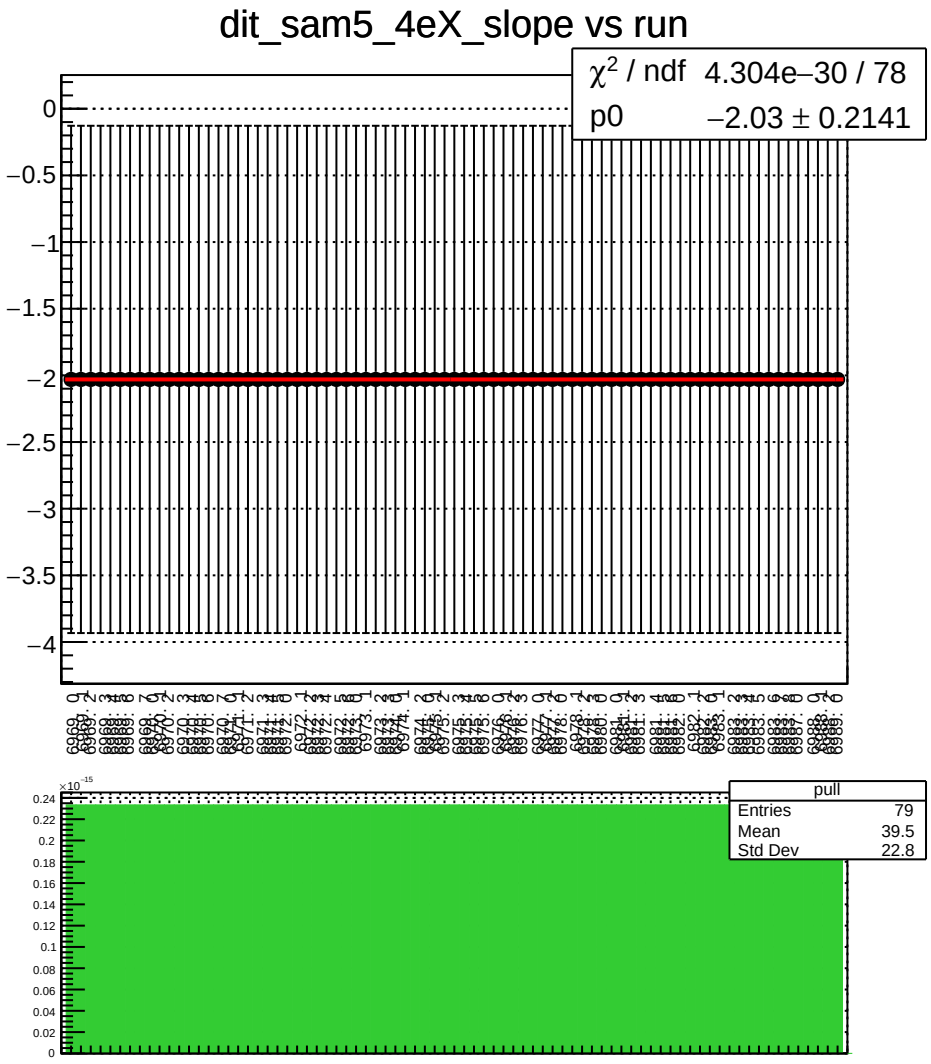

pull1D
Entries 79
Mean 1.145e−13
Std Dev 1.694e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

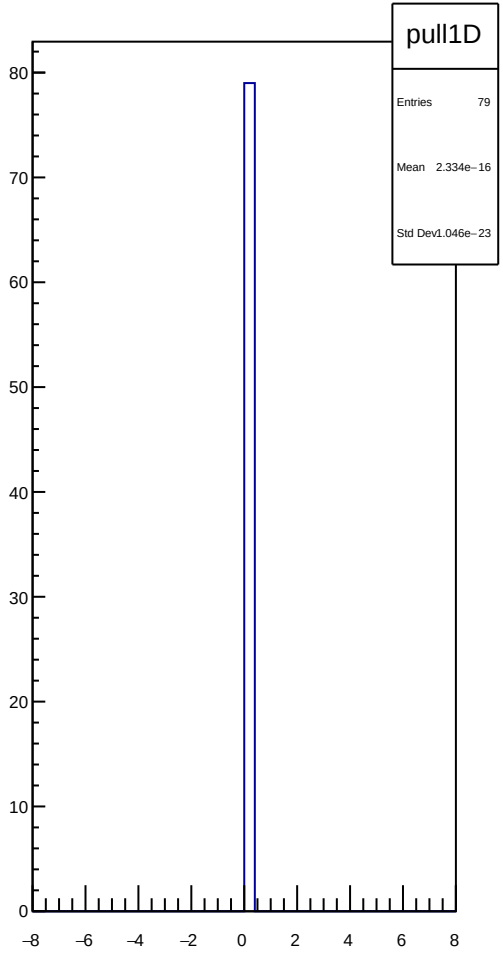

dit_sam4_4eY_slope vs run
χ^2 / ndf 7.732e−24 / 78
p0 258.9 ± 0.184
260.5
260
259.5
259
258.5
258
257.5
257
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10^-12
0.3
0.25
0.2
0.15
0.1
0.05
0

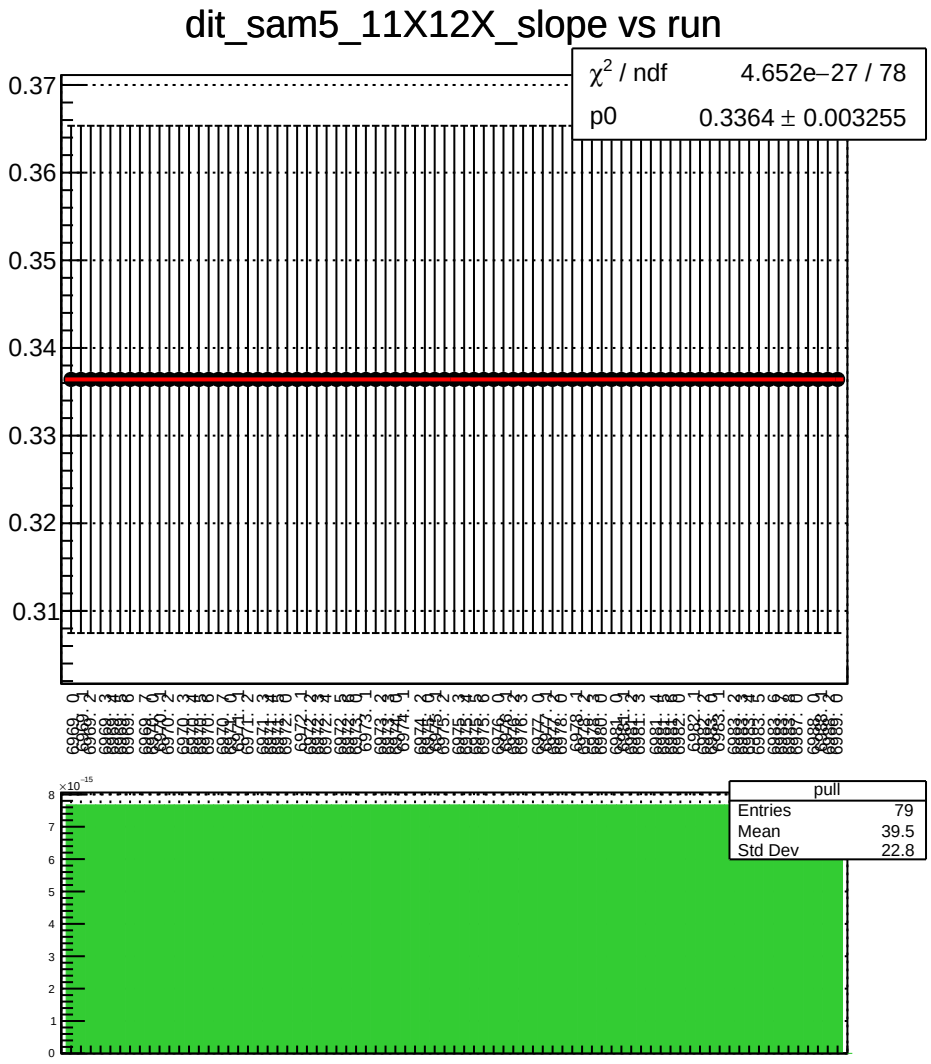

pull1D
Entries 79
Mean 3.128e−13
Std Dev3.388e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

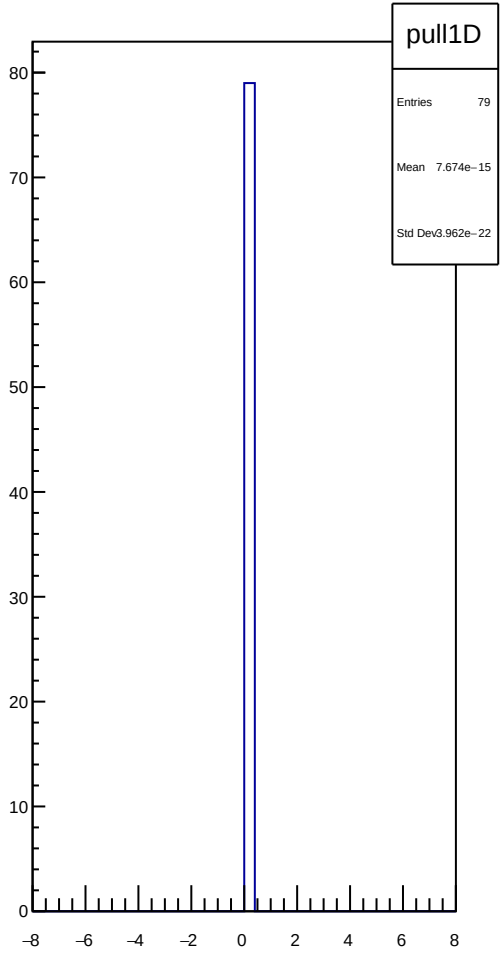

dit_sam5_4aX_slope vs run
χ^2 / ndf 1.09e−27 / 78
p0 12.47 ± 0.2152
pull
Entries 79
Mean 39.5
Std Dev 22.8

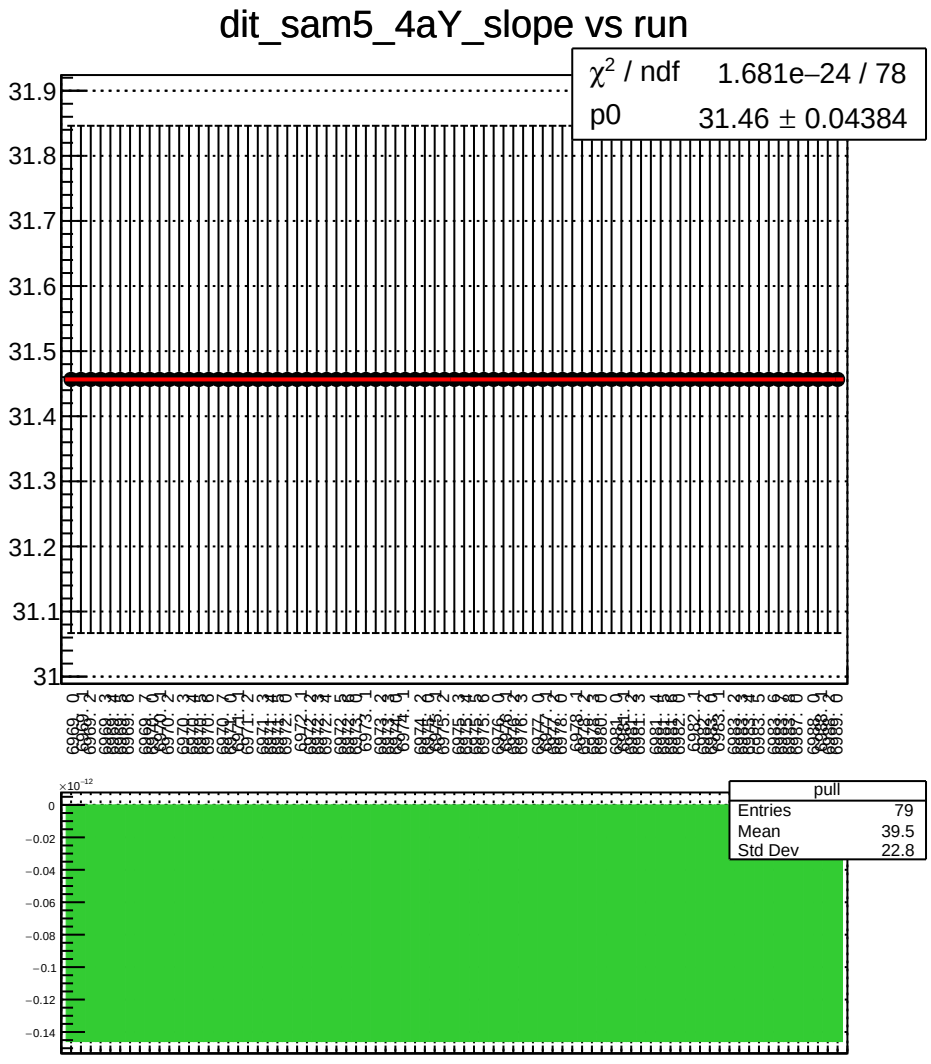

pull1D
Entries 79
Mean −3.714e−15
Std Dev 2.246e−22

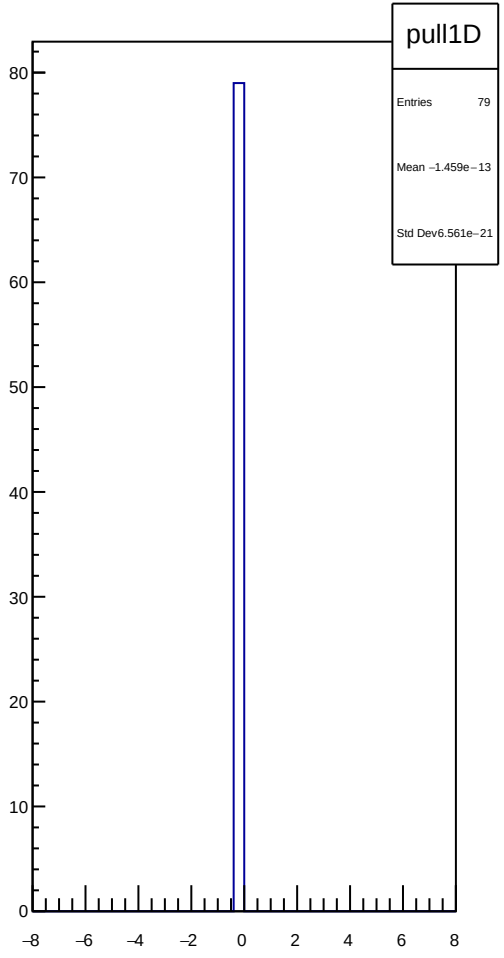

dit_sam5_4eX_slope vs run
χ^2 / ndf 4.304e−30 / 78
p0 −2.03 ± 0.2141
pull
Entries 79
Mean 39.5
Std Dev 22.8

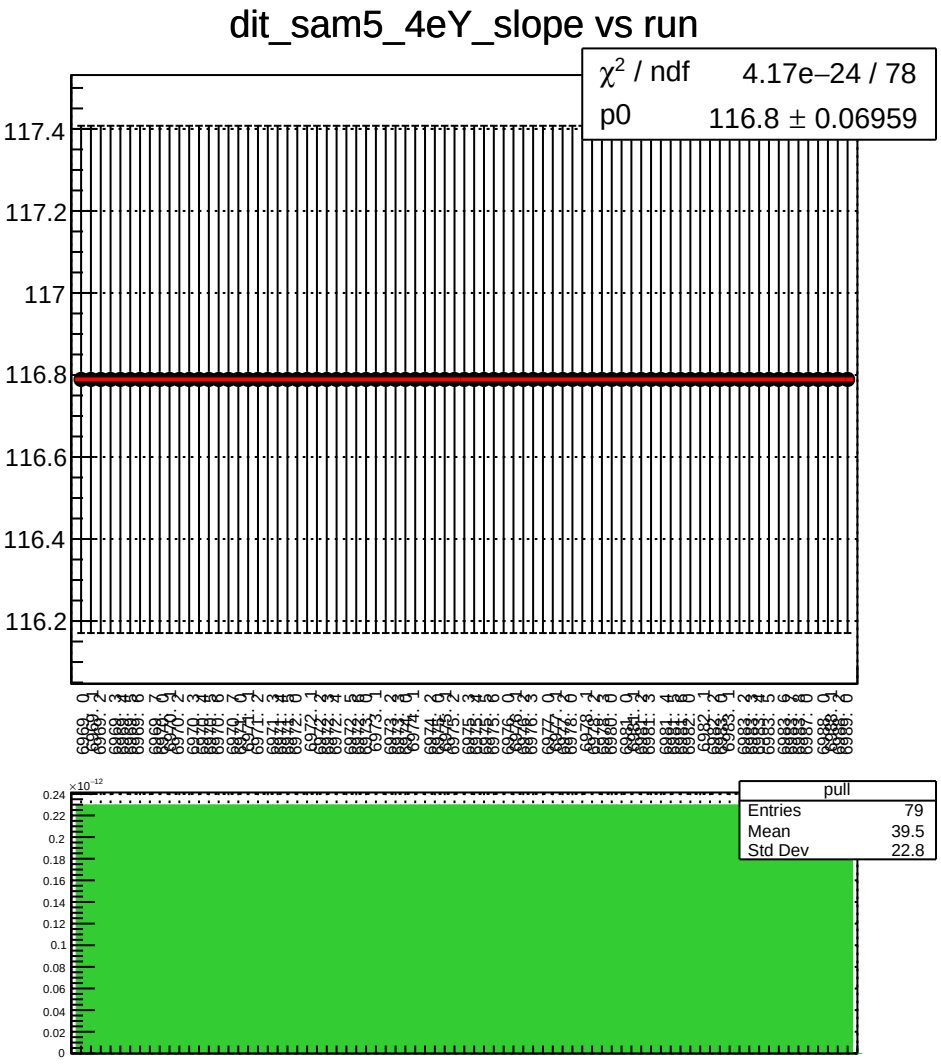

pull1D
Entries 79
Mean 2.334e−16
Std Dev1.046e−23

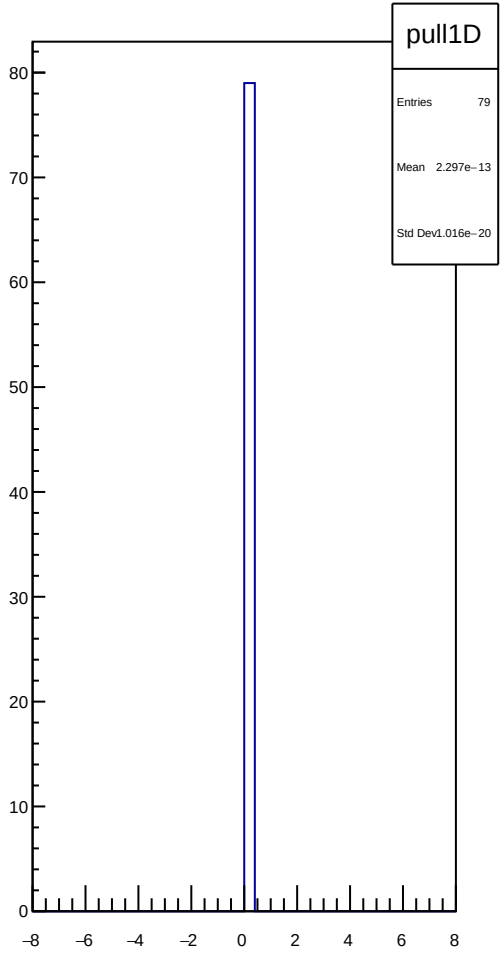

dit_sam5_11X12X_slope vs run
χ^2 / ndf 4.652e−27 / 78
p0 0.3364 ± 0.003255
0.37
0.36
0.35
0.34
0.33
0.32
0.31
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10^−15

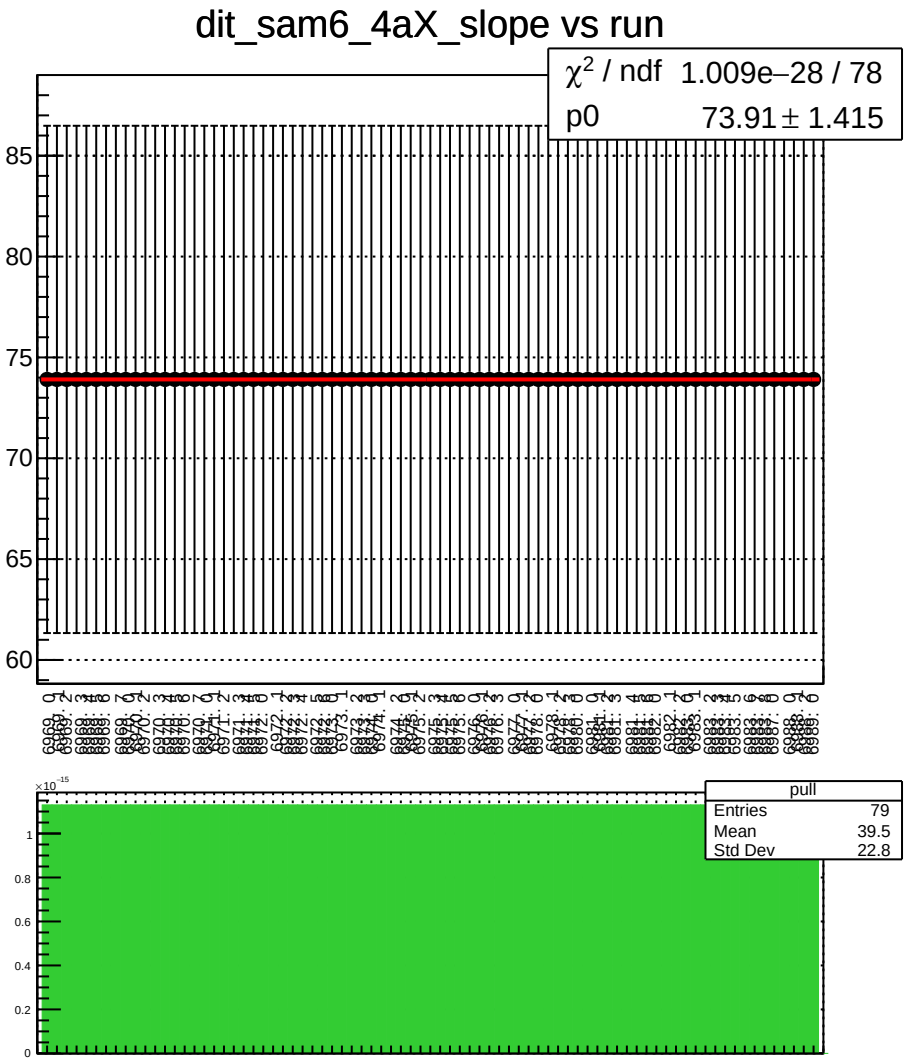

pull1D
Entries 79
Mean 7.674e−15
Std Dev 3.962e−22

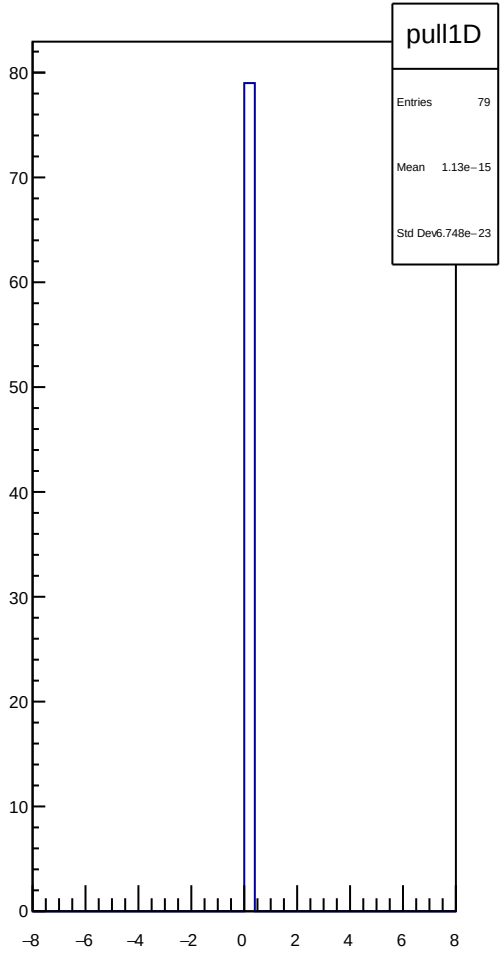

dit_sam5_4aY_slope vs run
χ^2 / ndf 1.681e−24 / 78
p0 31.46 ± 0.04384
31.9
31.8
31.7
31.6
31.5
31.4
31.3
31.2
31.1
31
pull
Entries 79
Mean 39.5
Std Dev 22.8
$\times 10^{-12}$
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14

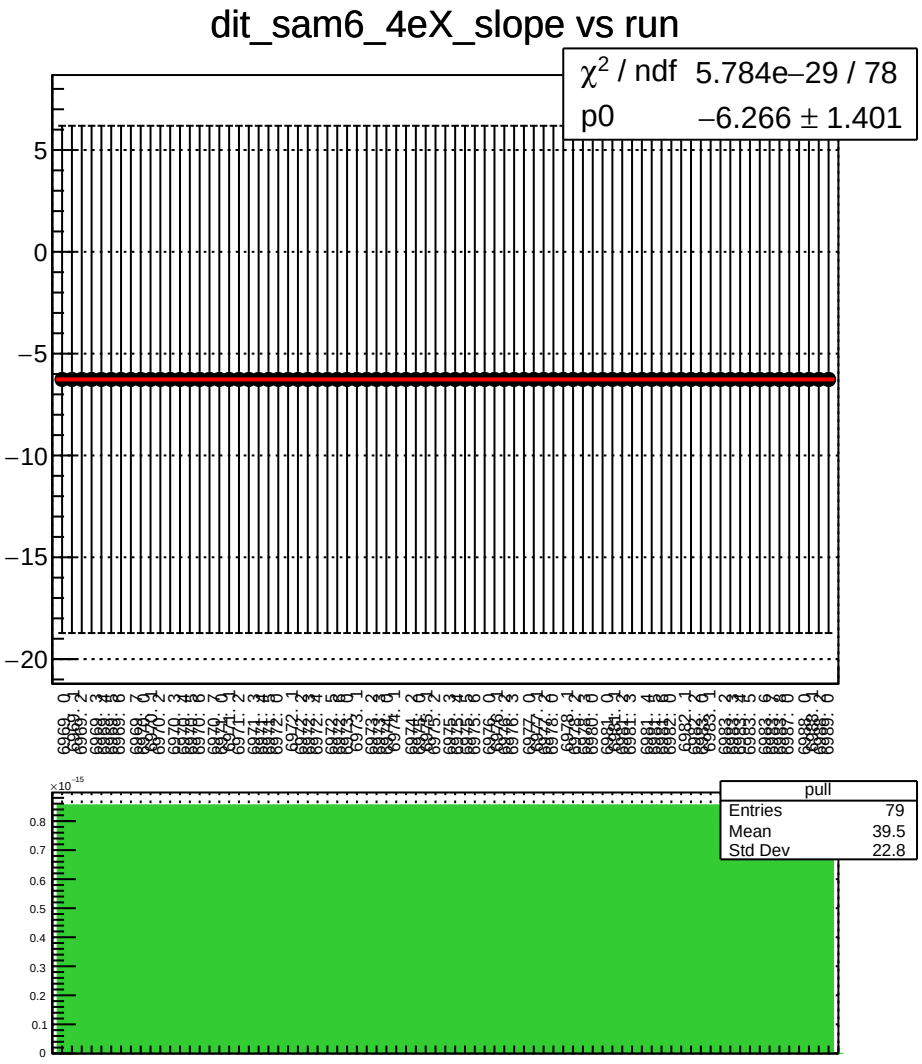

pull1D
Entries 79
Mean −1.459e−13
Std Dev6.561e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

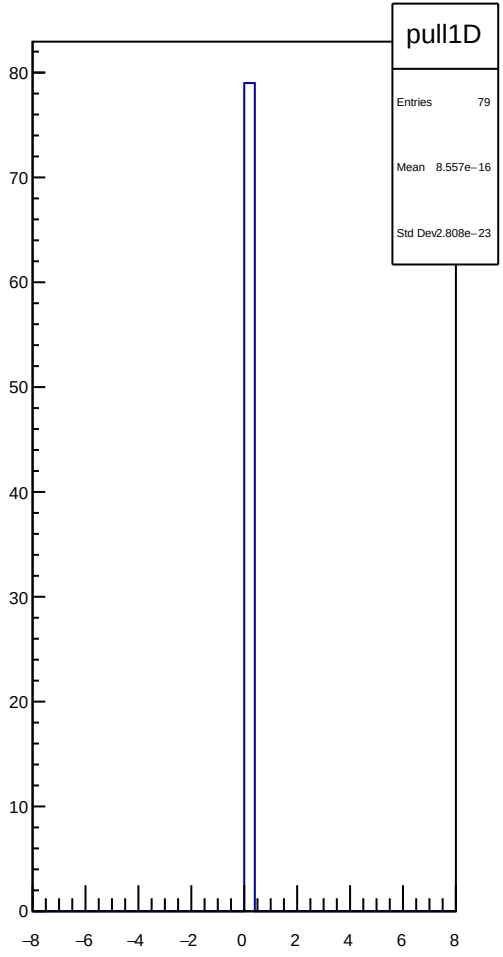

dit_sam5_4eY_slope vs run
χ^2 / ndf 4.17e−24 / 78
p0 116.8 ± 0.06959
117.4
117.2
117
116.8
116.6
116.4
116.2
pull
Entries 79
Mean 39.5
Std Dev 22.8
$\times 10^{-12}$
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0


pull1D
Entries 79
Mean 2.297e−13
Std Dev 1.016e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

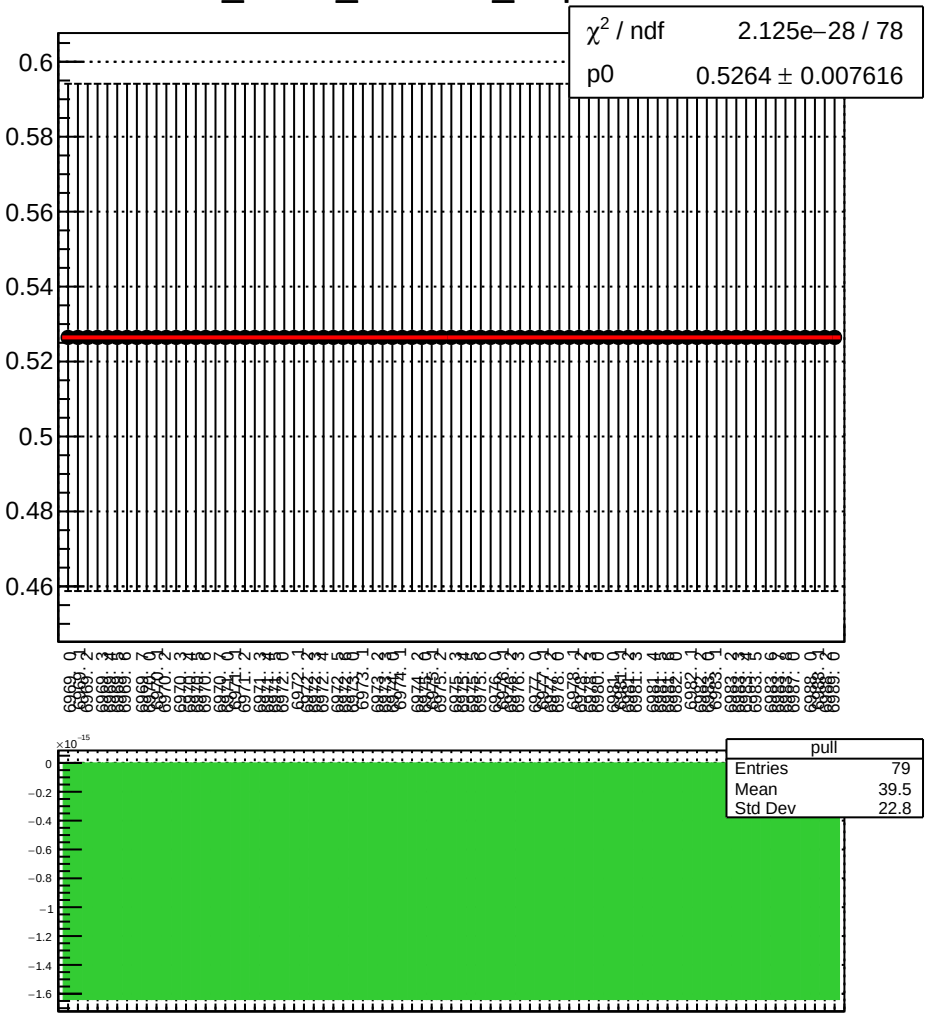

dit_sam6_4aX_slope vs run
χ^2 / ndf 1.009e−28 / 78
p0 73.91 ± 1.415
85
80
75
70
65
60
pull
Entries 79
Mean 39.5
Std Dev 22.8
$\times 10^{-15}$
1
0.8
0.6
0.4
0.2
0

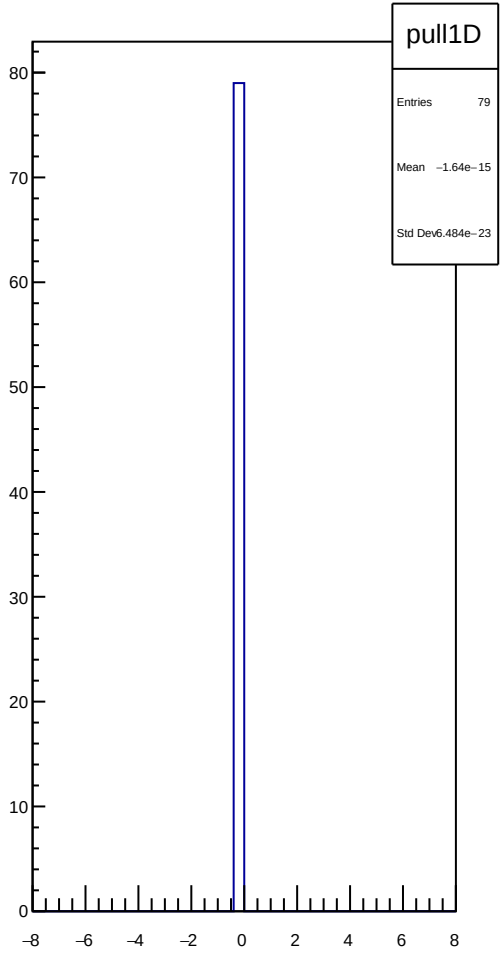

pull1D
Entries 79
Mean 1.13e−15
Std Dev 6.748e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

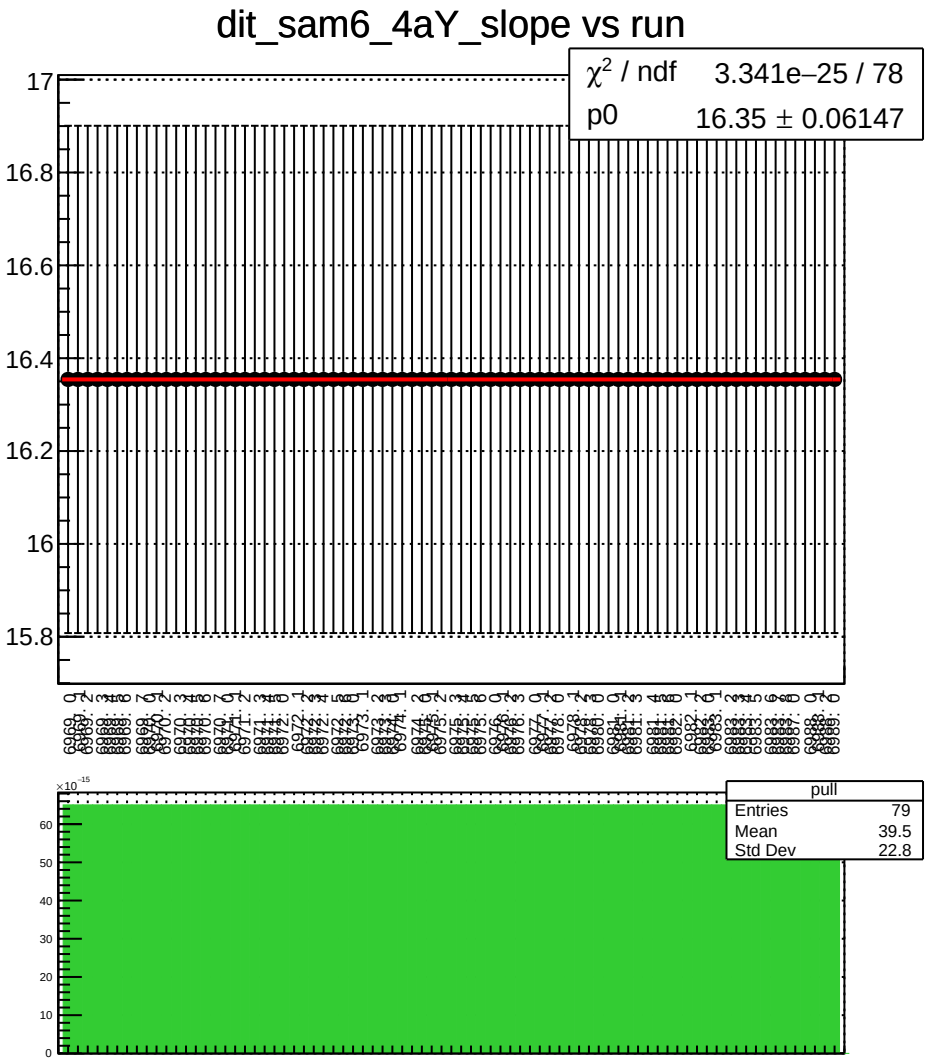

dit_sam6_4eX_slope vs run
χ^2 / ndf 5.784e−29 / 78
p0 −6.266 ± 1.401
pull
Entries 79
Mean 39.5
Std Dev 22.8

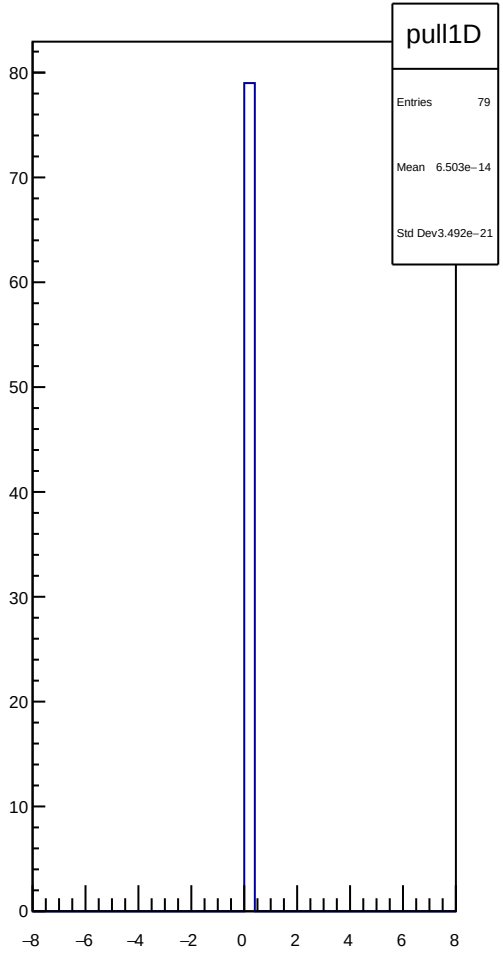

pull1D
Entries 79
Mean 8.557e−16
Std Dev 2.808e−23

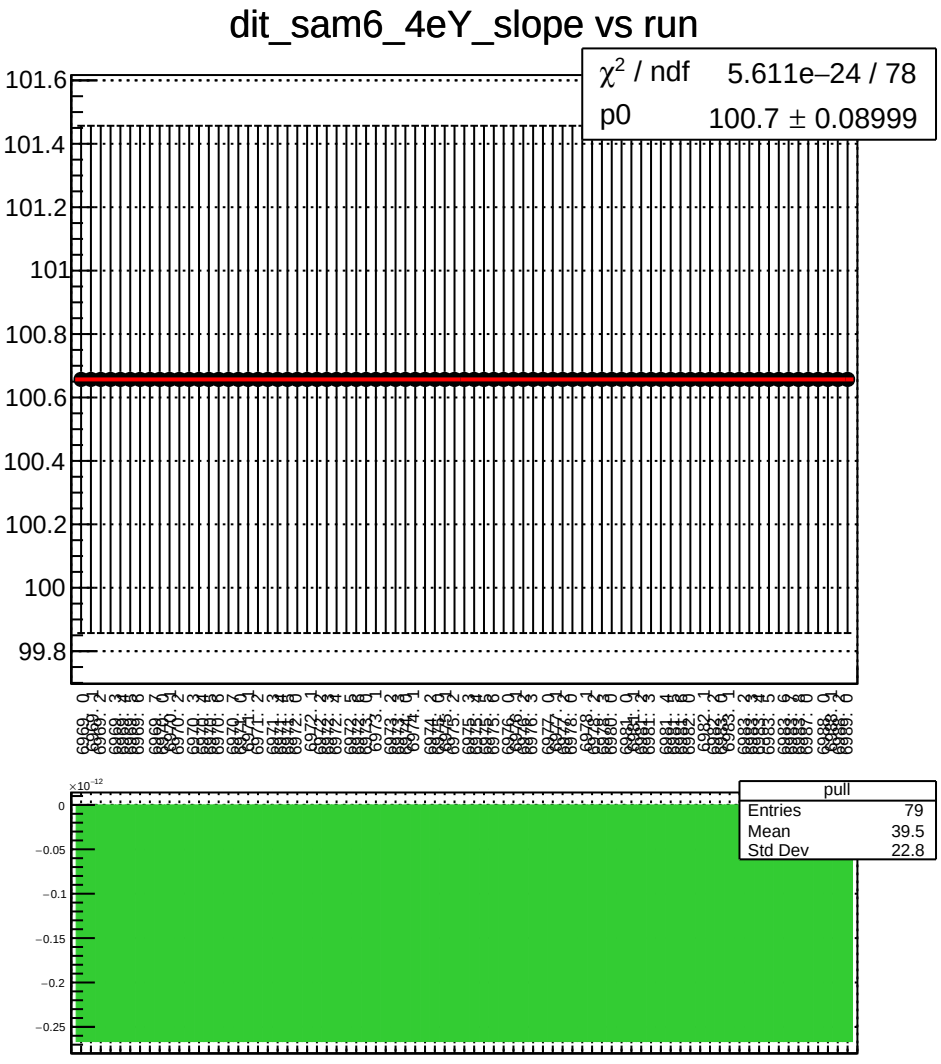
dit_sam6_11X12X_slope vs run

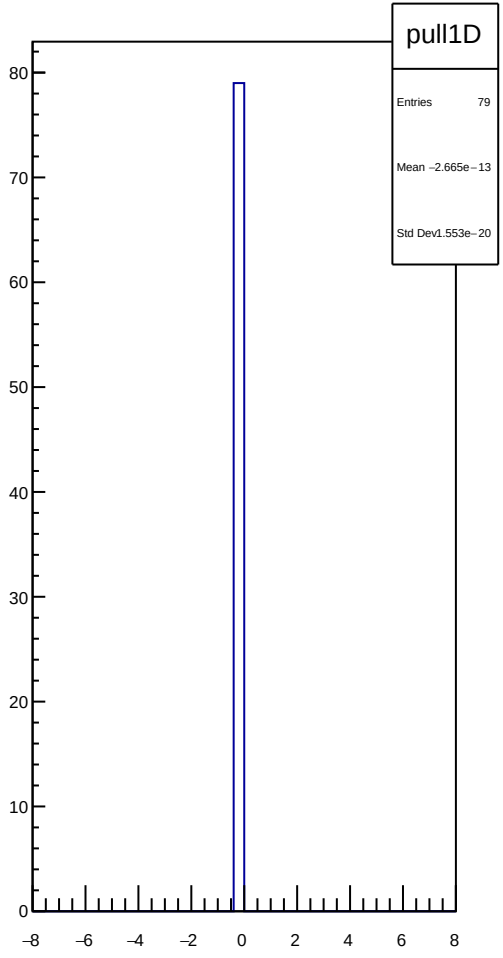


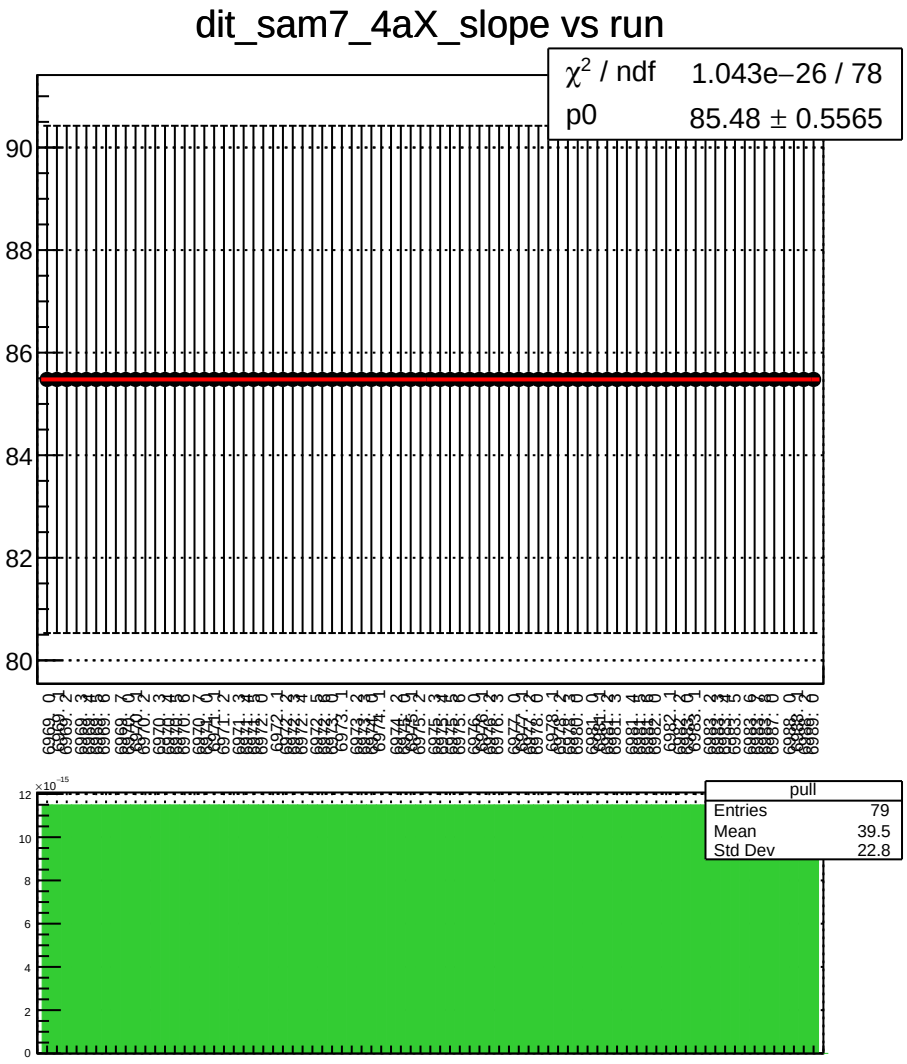


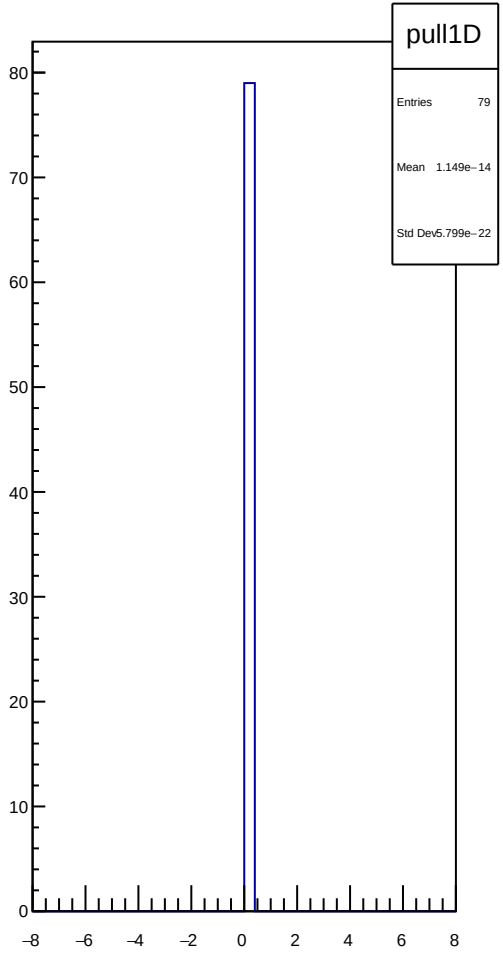

dit_sam6_4aY_slope vs run
χ² / ndf 3.341e−25 / 78
p0 16.35 ± 0.06147
17
16.8
16.6
16.4
16.2
16
15.8
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹⁵
60
50
40
30
20
10
0

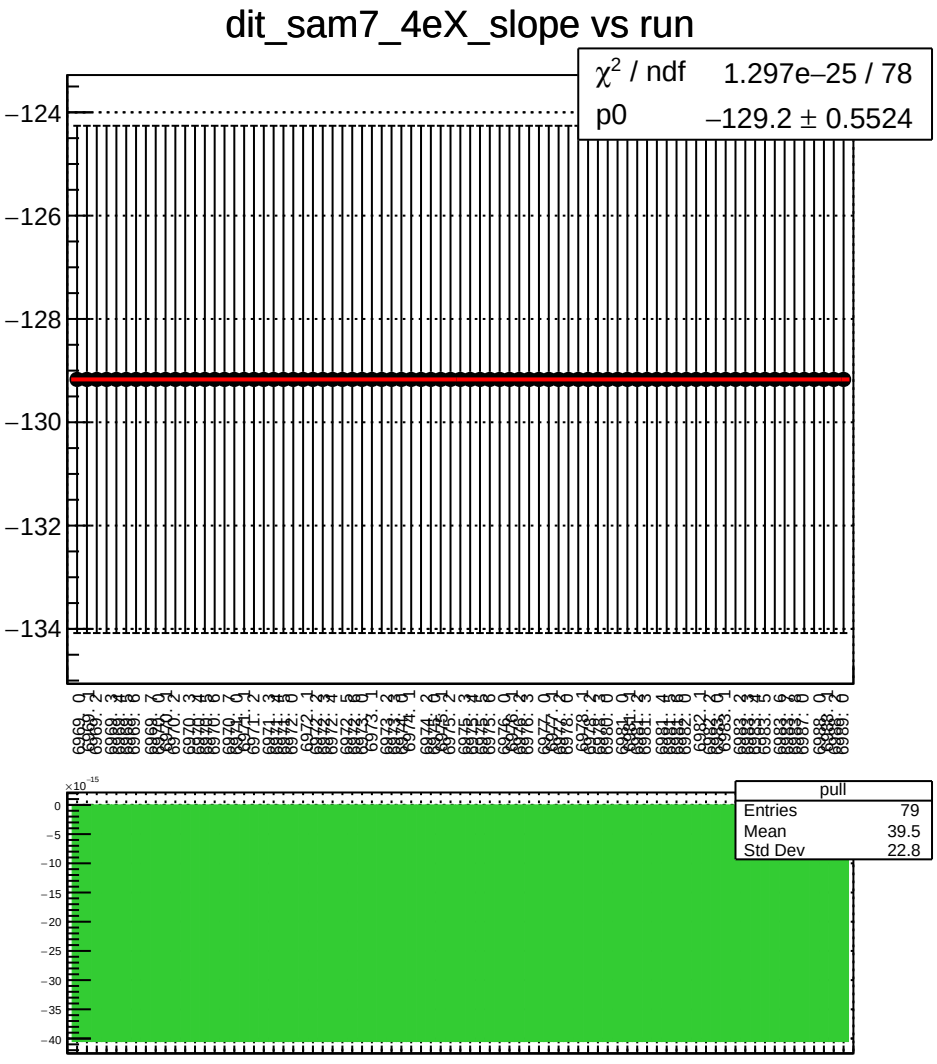

pull1D
Entries 79
Mean 6.503e−14
Std Dev 3.492e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

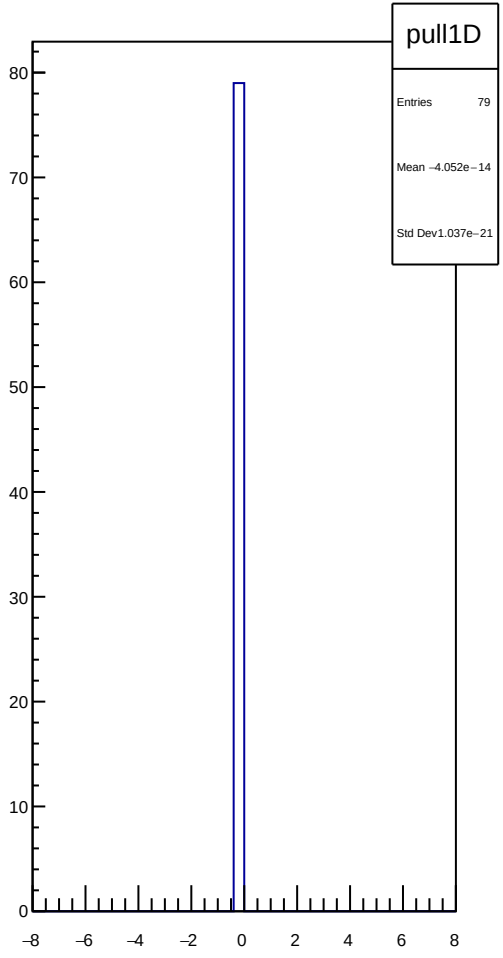

dit_sam6_4eY_slope vs run
χ^2 / ndf 5.611e−24 / 78
p0 100.7 ± 0.08999
101.6
101.4
101.2
101
100.8
100.6
100.4
100.2
100
99.8
pull
Entries 79
Mean 39.5
Std Dev 22.8
$\times 10^{-12}$
0
−0.05
−0.1
−0.15
−0.2
−0.25


pull1D
Entries 79
Mean −2.665e−13
Std Dev1.553e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

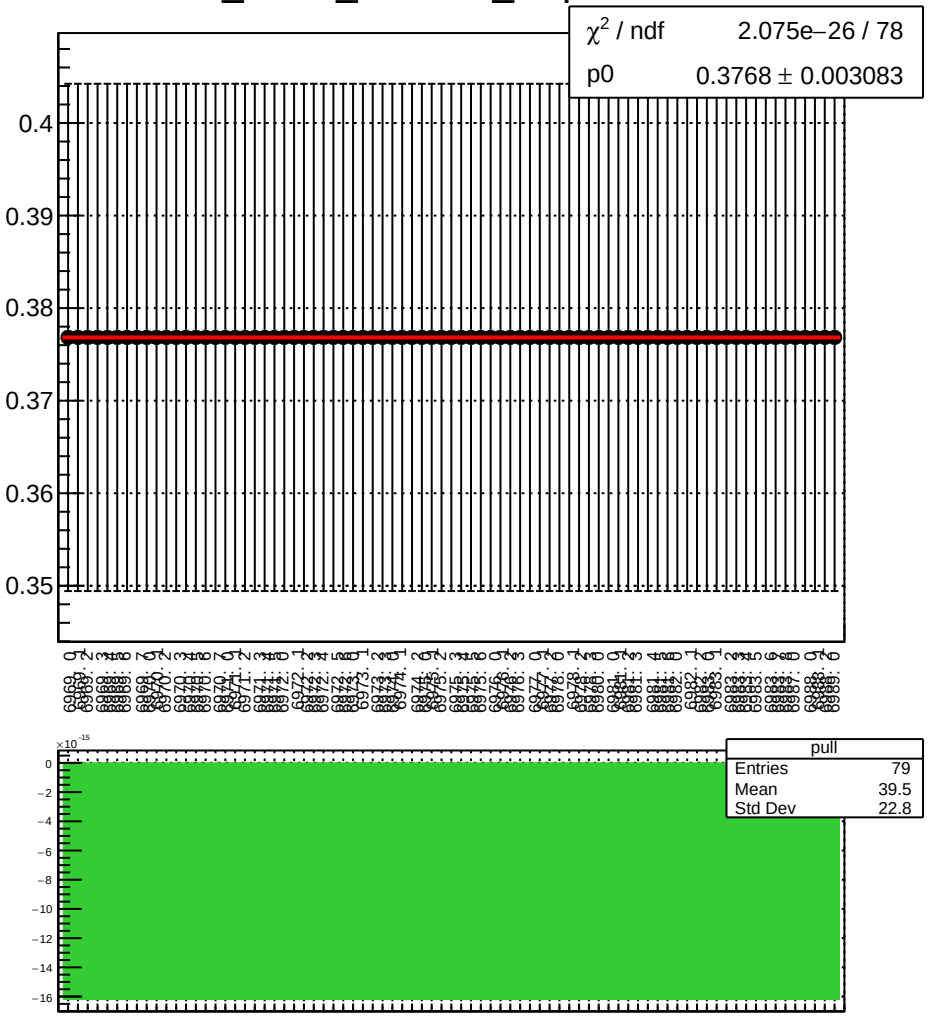

dit_sam7_4aX_slope vs run
χ^2 / ndf 1.043e−26 / 78
p0 85.48 ± 0.5565
90
88
86
84
82
80
pull
Entries 79
Mean 39.5
Std Dev 22.8
$\times 10^{-15}$
12
10
8
6
4
2
0

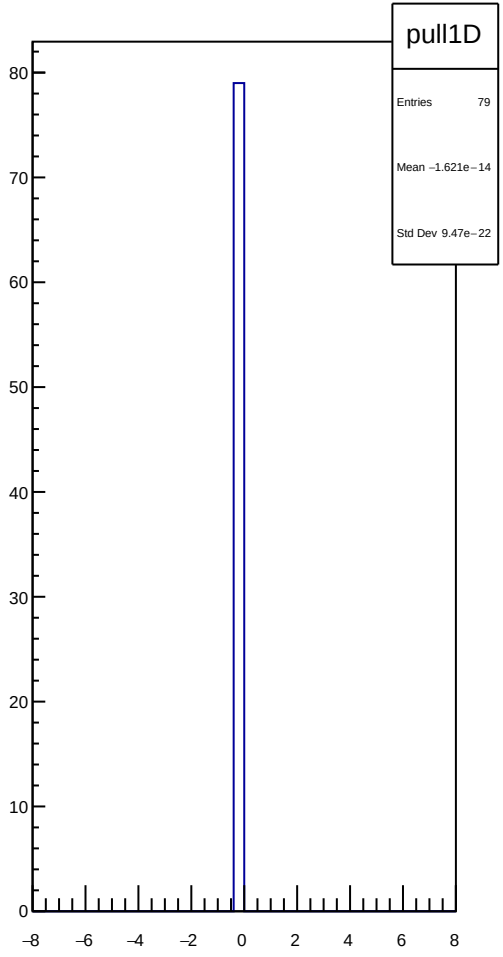

pull1D
Entries 79
Mean 1.149e−14
Std Dev 5.799e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

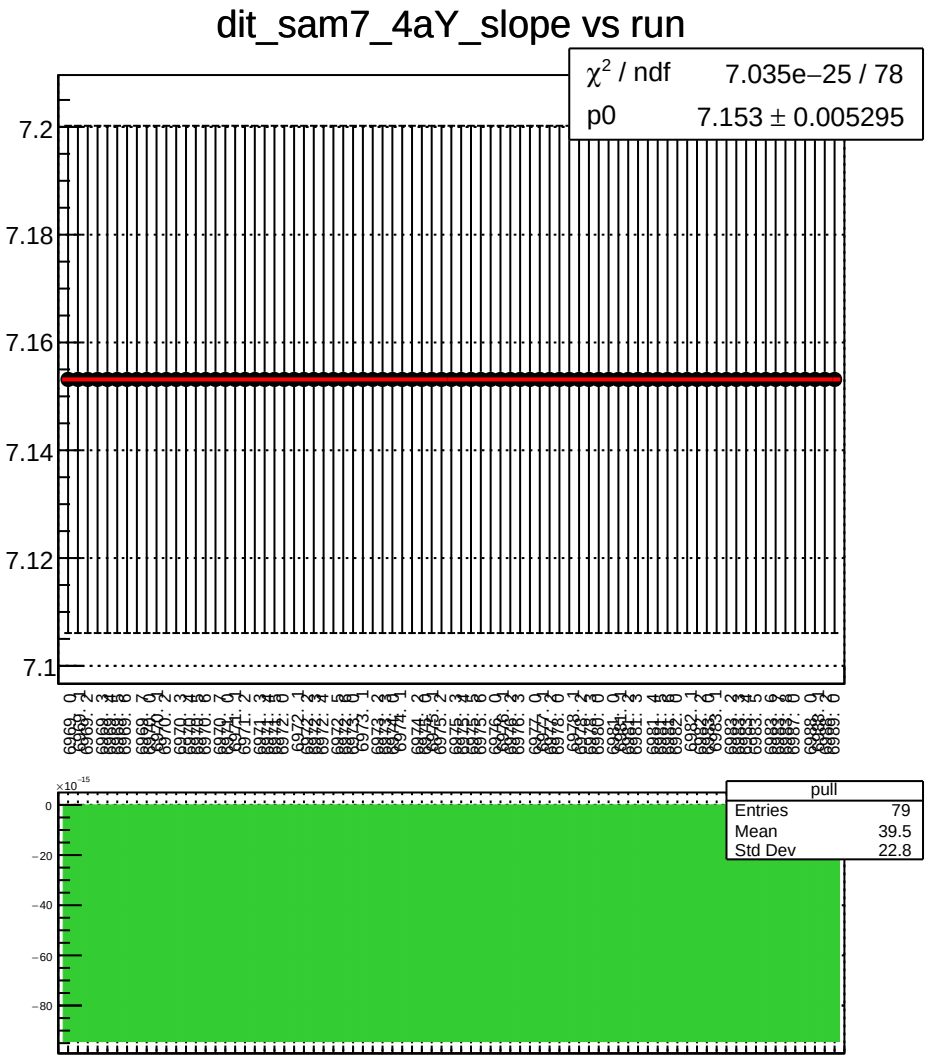

dit_sam7_4eX_slope vs run
χ^2 / ndf 1.297e−25 / 78
p0 −129.2 ± 0.5524
−124
−126
−128
−130
−132
−134
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10^−15
0
−5
−10
−15
−20
−25
−30
−35
−40

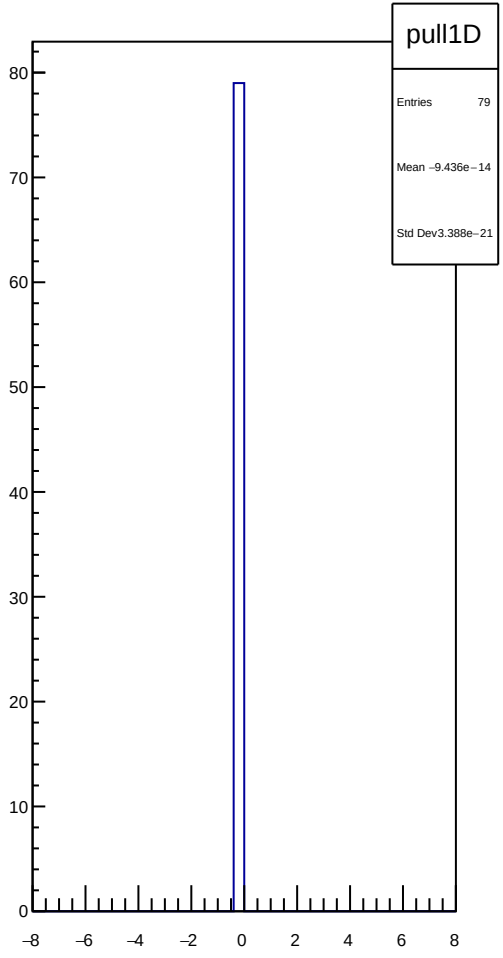

pull1D
Entries 79
Mean −4.052e−14
Std Dev 1.037e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

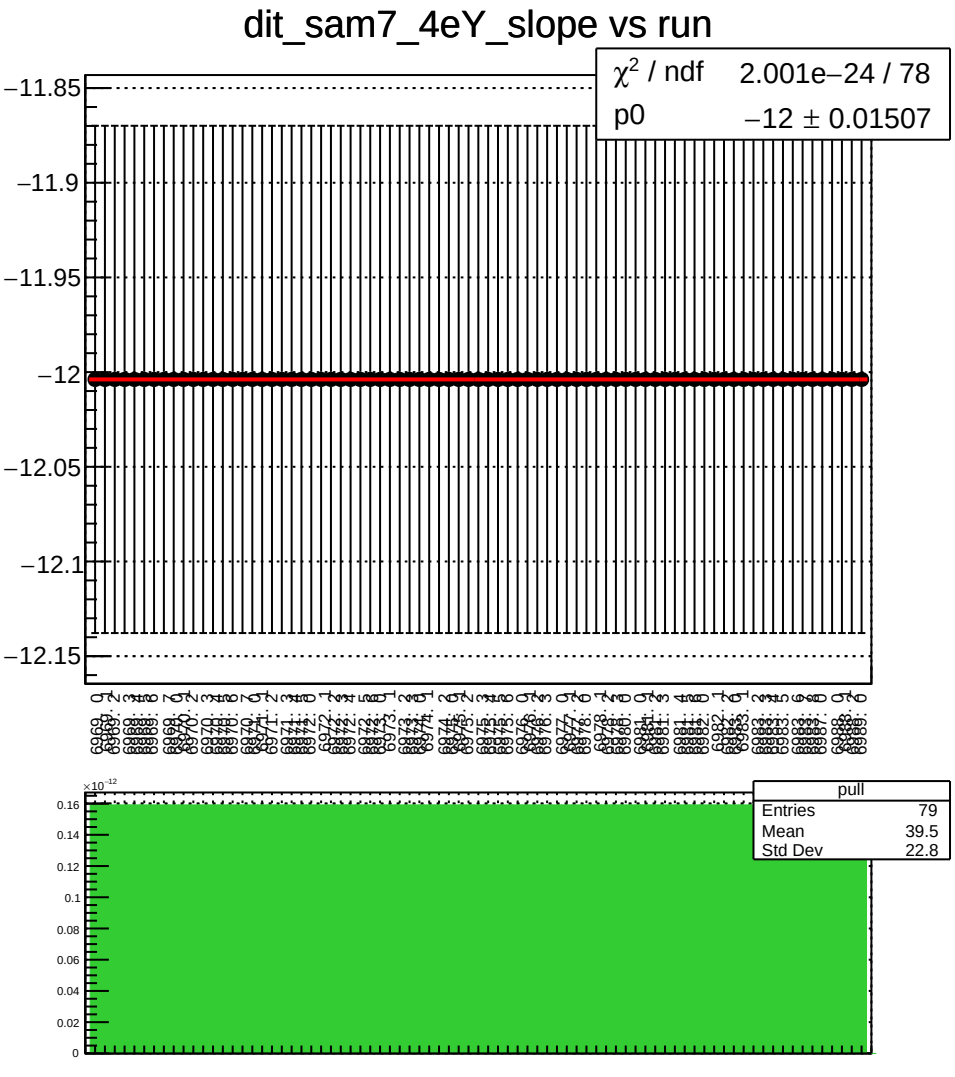
dit_sam7_11X12X_slope vs run

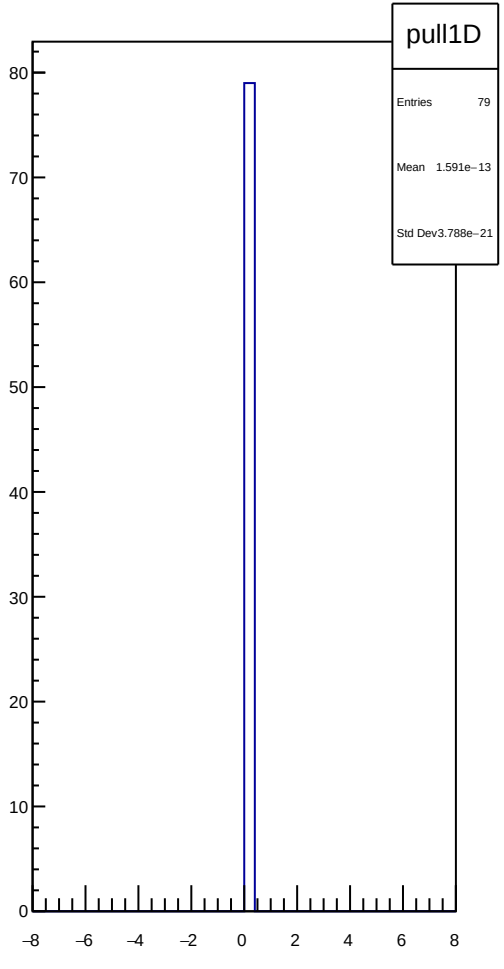




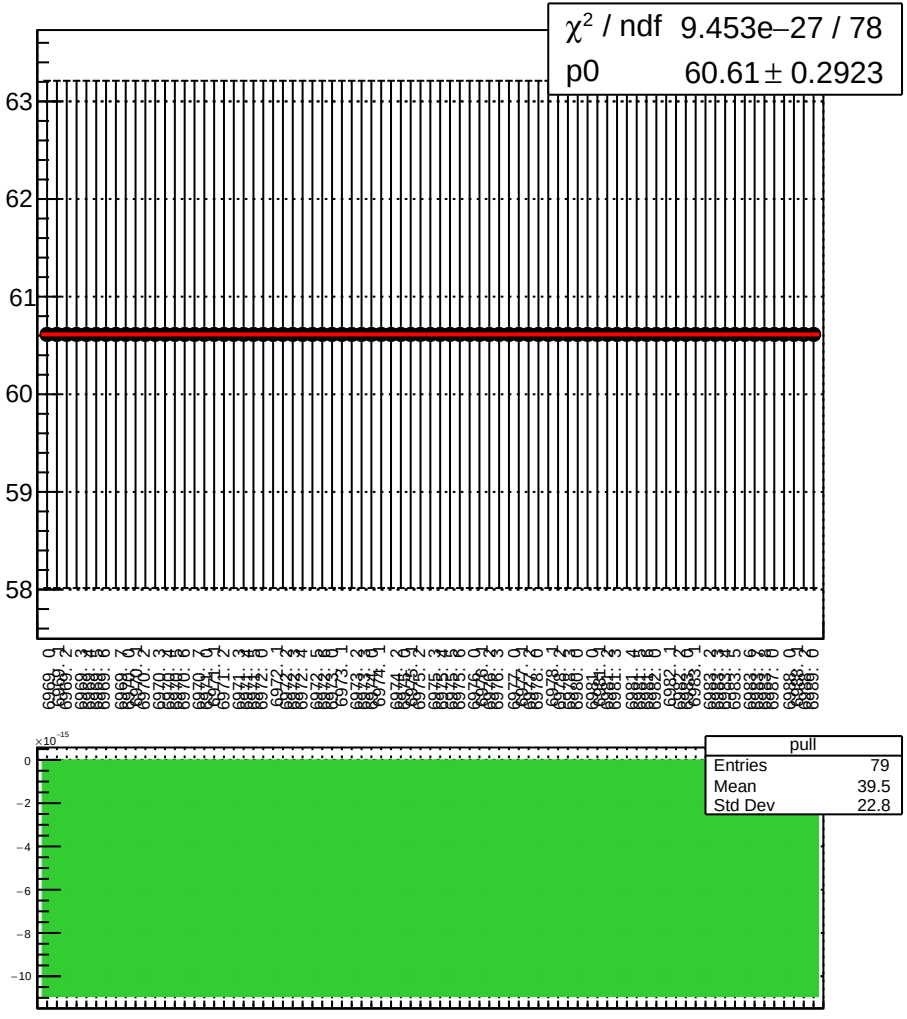

dit_sam7_4aY_slope vs run
χ^2 / ndf 7.035e−25 / 78
p0 7.153 ± 0.005295
7.2
7.18
7.16
7.14
7.12
7.1
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10^−15
0
−20
−40
−60
−80

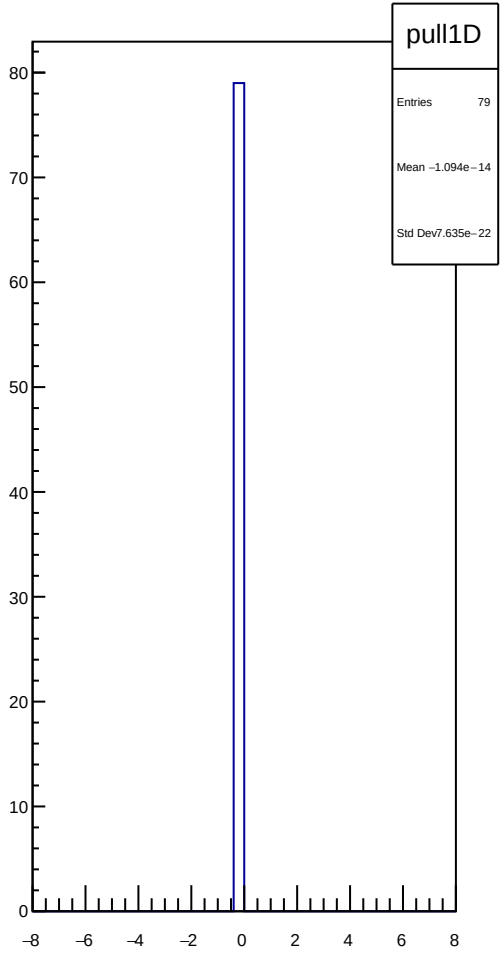

pull1D
Entries 79
Mean −9.436e−14
Std Dev3.388e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam7_4eY_slope vs run
χ^2 / ndf 2.001e−24 / 78
p0 −12 ± 0.01507
−11.85
−11.9
−11.95
−12
−12.05
−12.1
−12.15
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10^−12
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

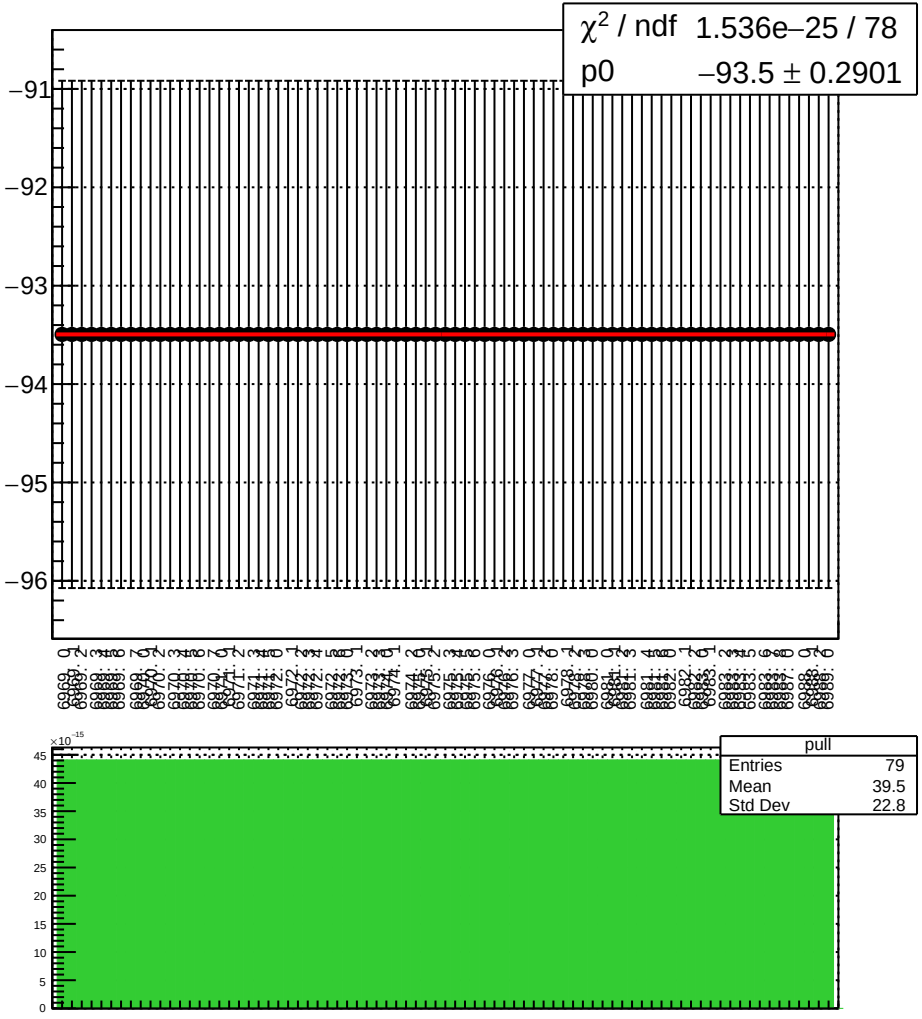

pull1D
Entries 79
Mean 1.591e−13
Std Dev 3.788e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

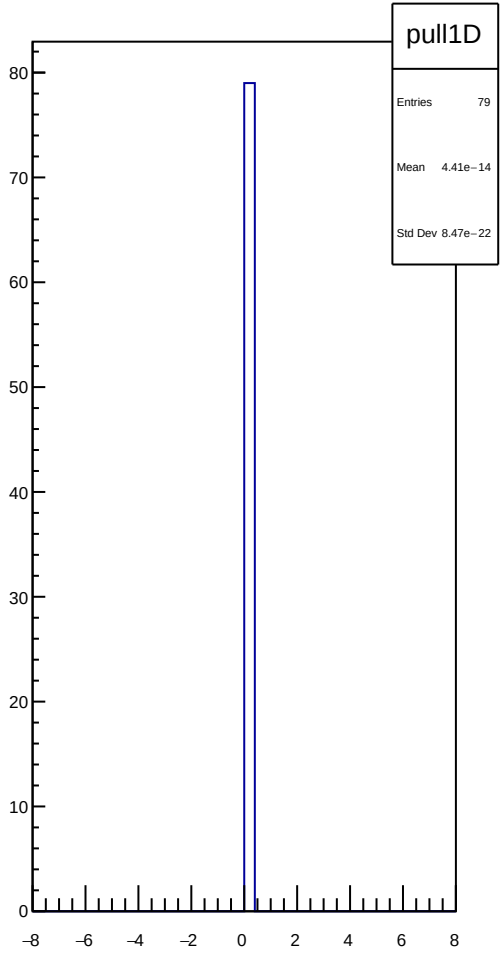
dit_sam8_4aX_slope vs run



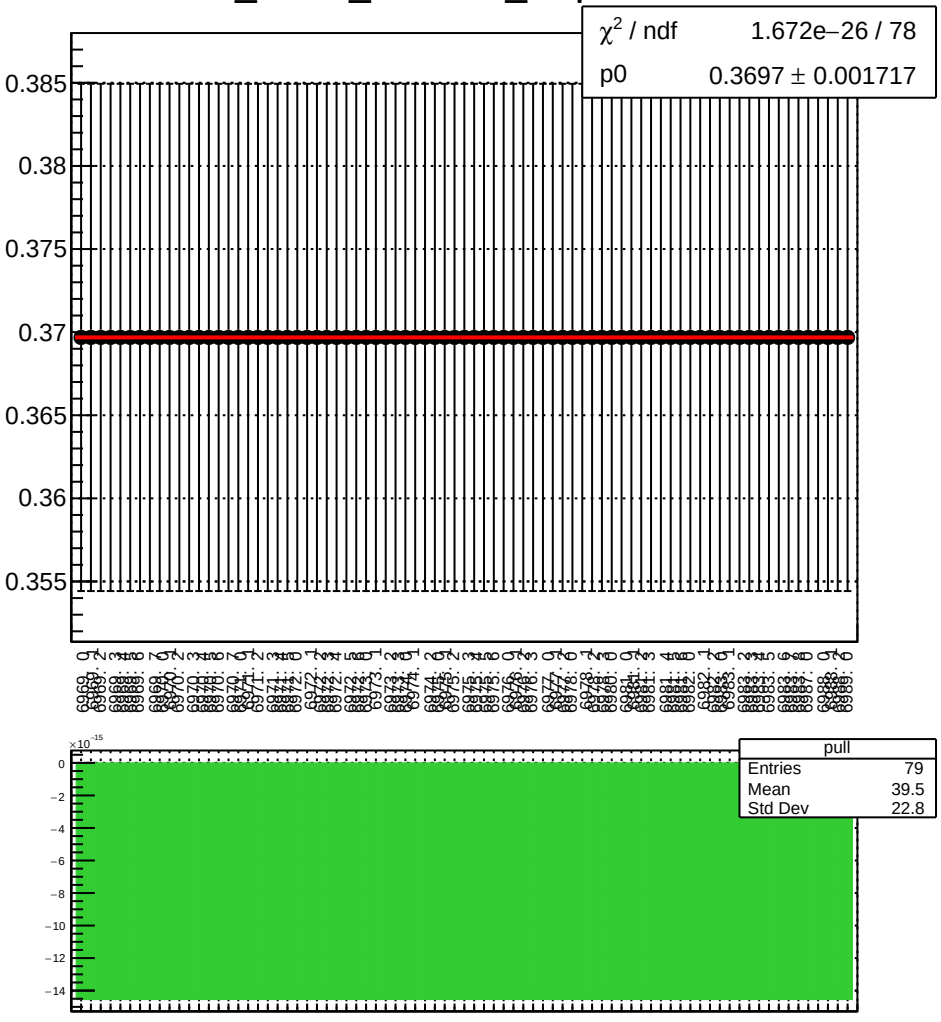


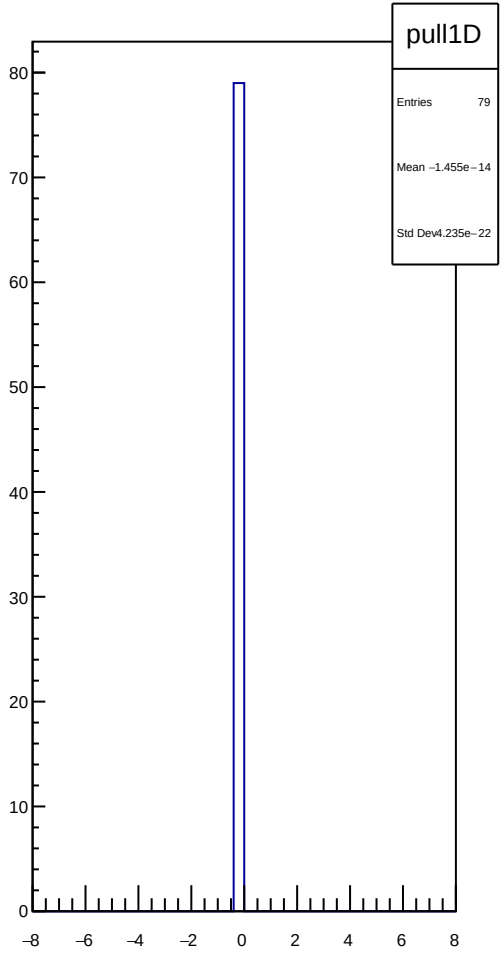
dit_sam8_4eX_slope vs run

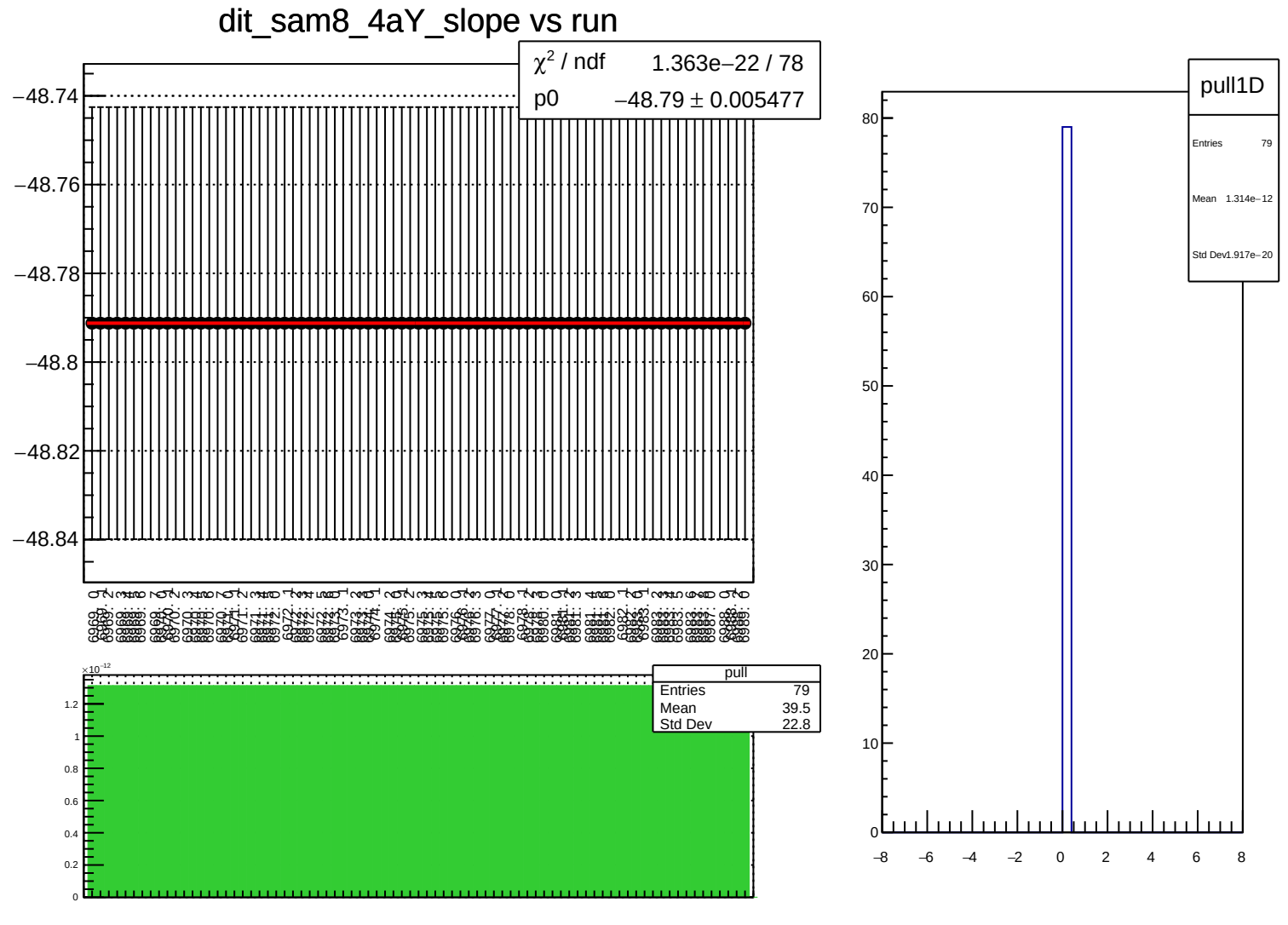


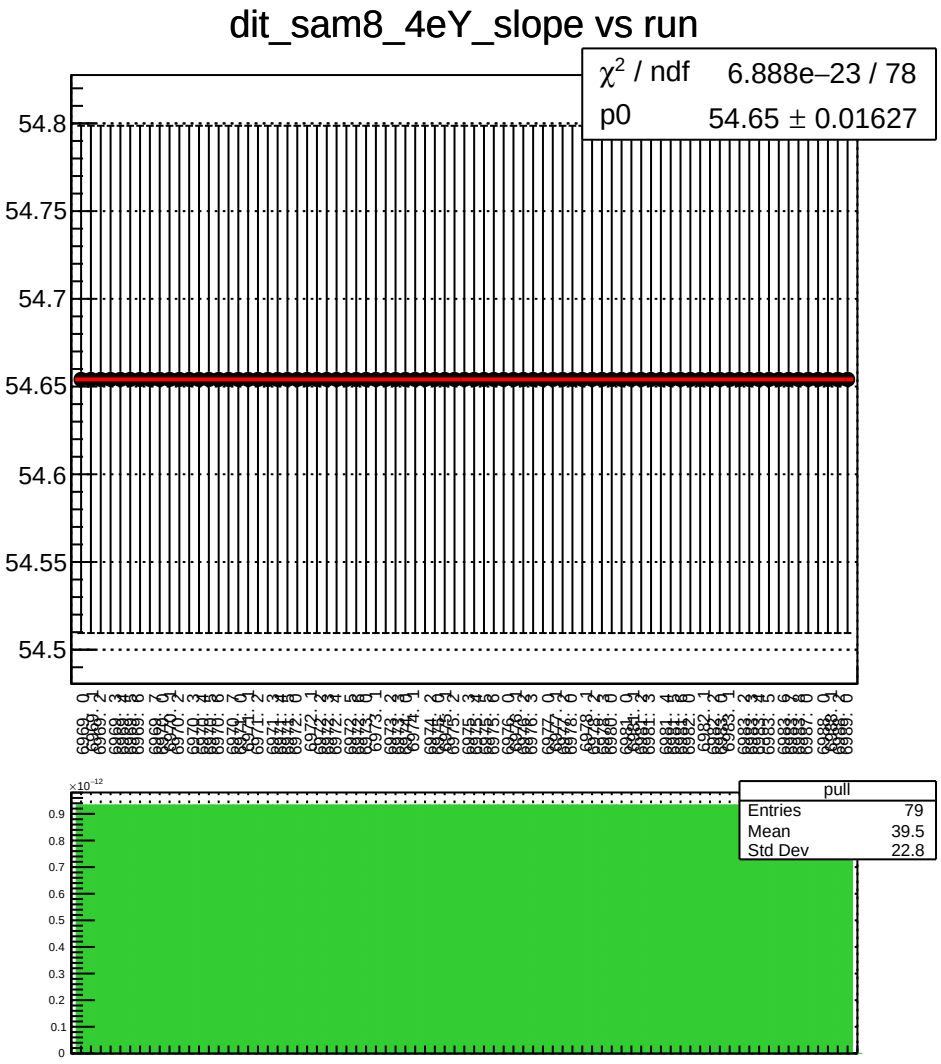


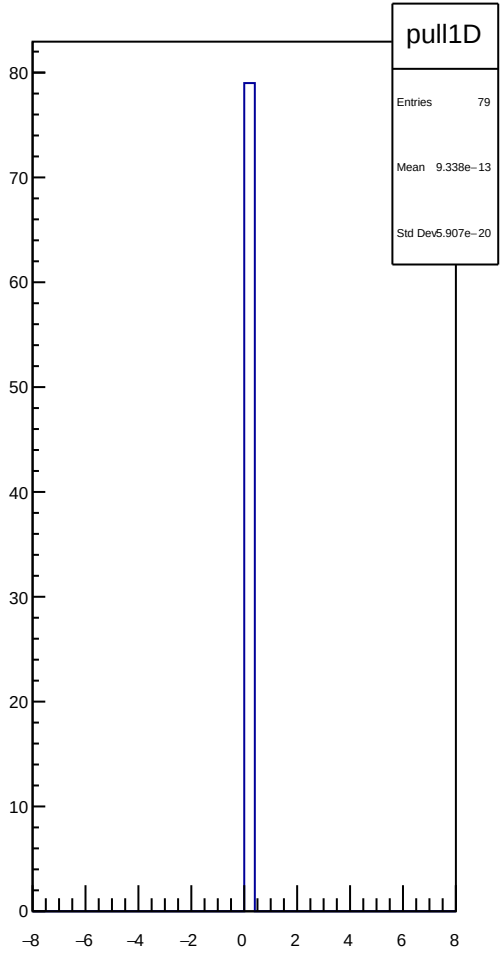
dit_sam8_11X12X_slope vs run



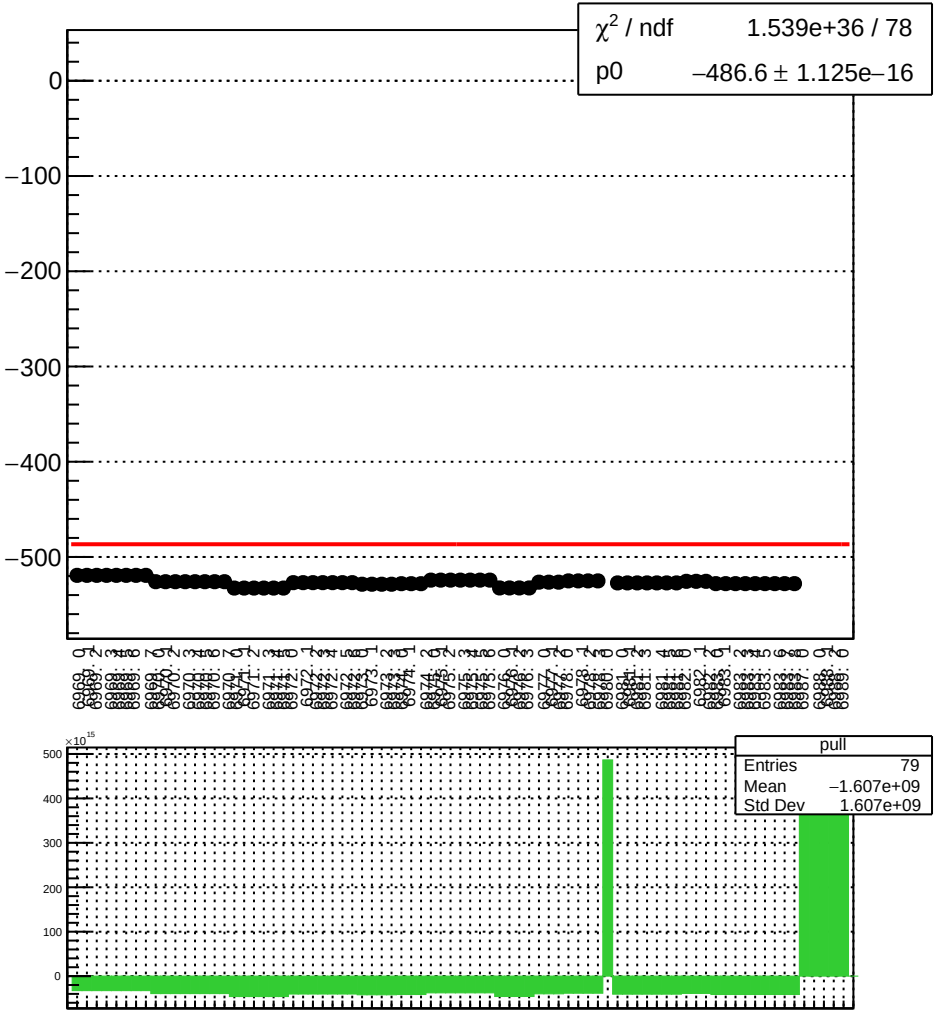


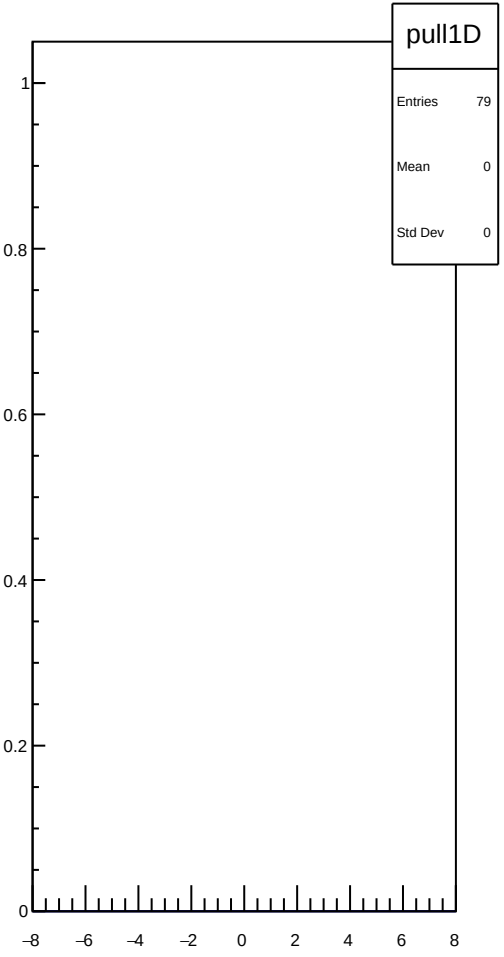

dit_sam8_4aY_slope vs run
χ^2 / ndf 1.363e−22 / 78
p0 −48.79 ± 0.005477
−48.74
−48.76
−48.78
−48.8
−48.82
−48.84
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10^−12
1.2
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 79
Mean 1.314e−12
Std Dev 1.917e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam8_4eY_slope vs run
χ2 / ndf 6.888e−23 / 78
p0 54.65 ± 0.01627
54.8
54.75
54.7
54.65
54.6
54.55
54.5
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10−12
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

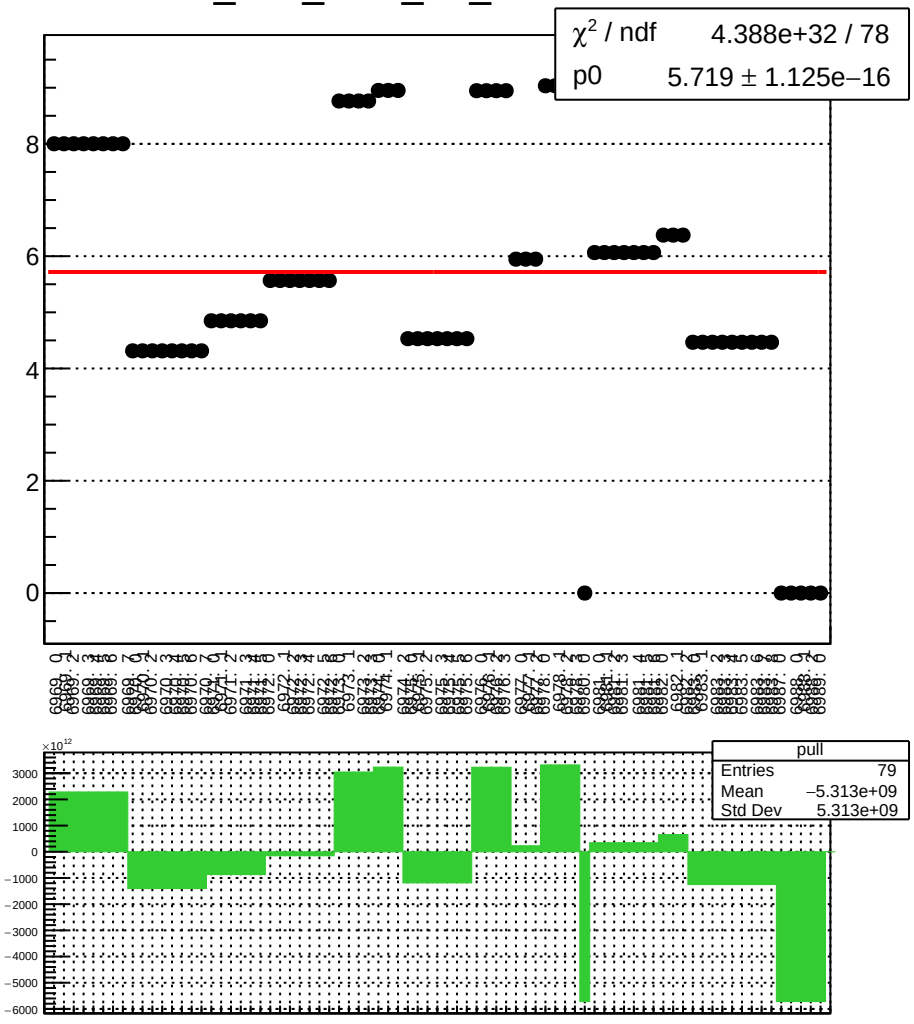

pull1D
Entries 79
Mean 9.338e−13
Std Dev 5.907e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

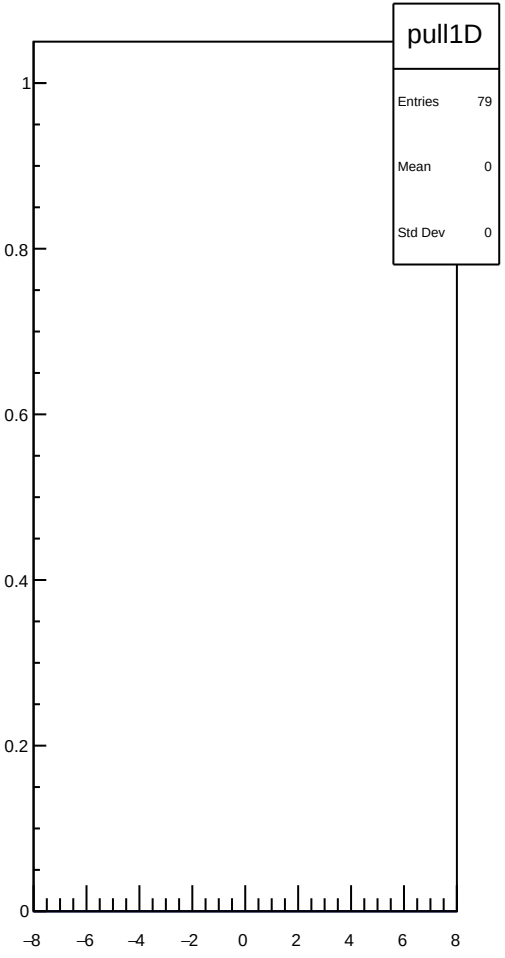
dit_4aX_coil1_mean vs run



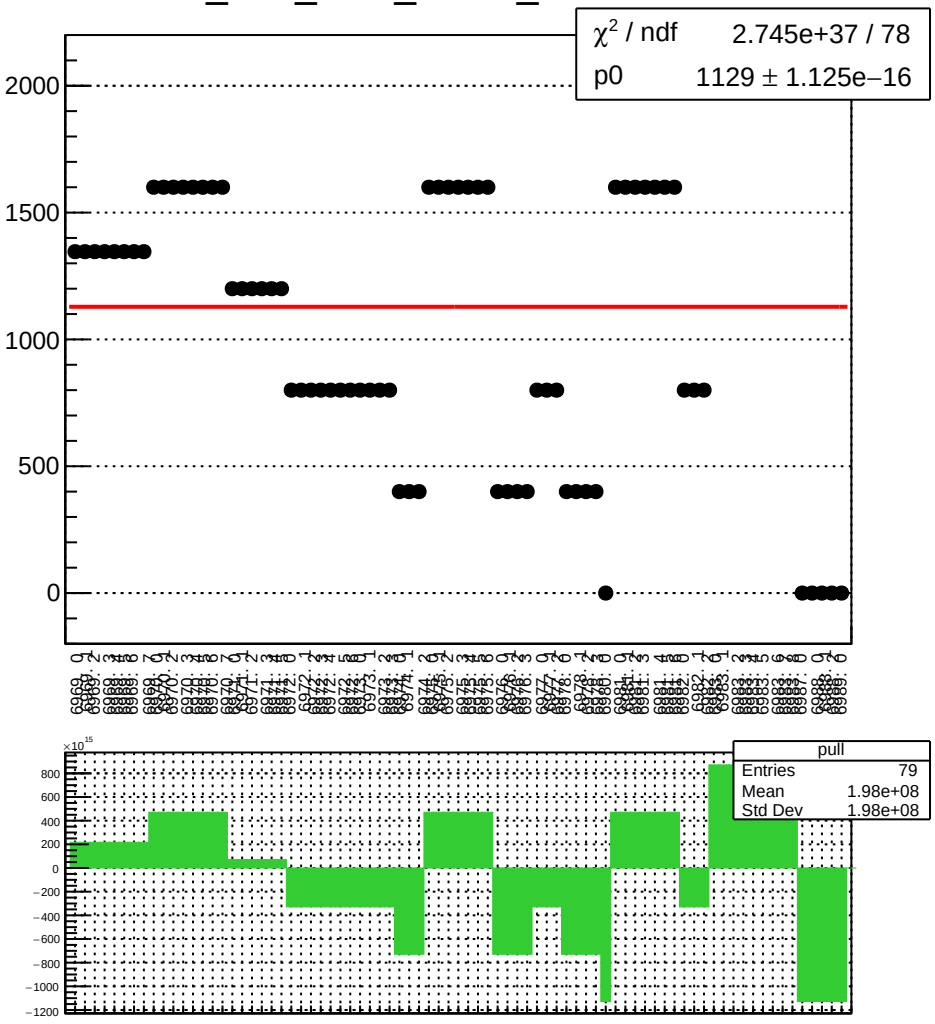


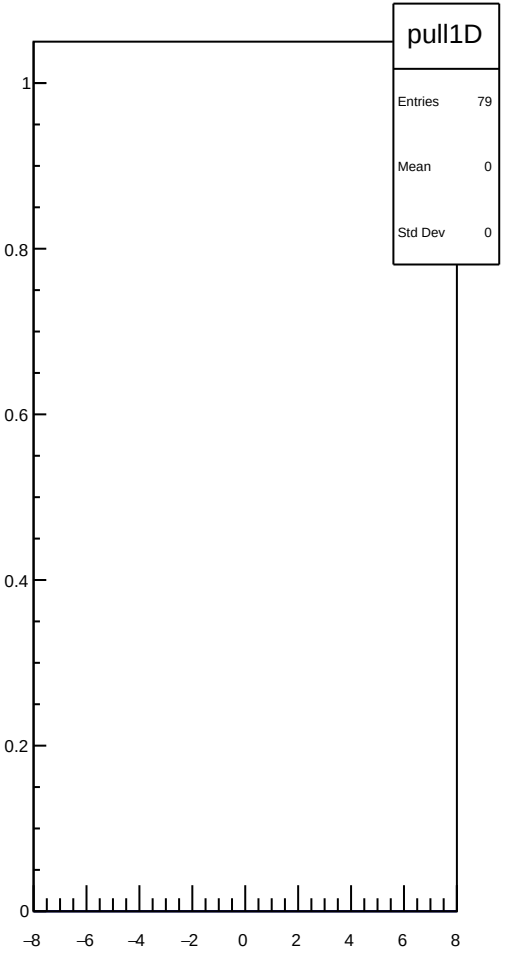
dit_4aX_coil1_err_mean vs run



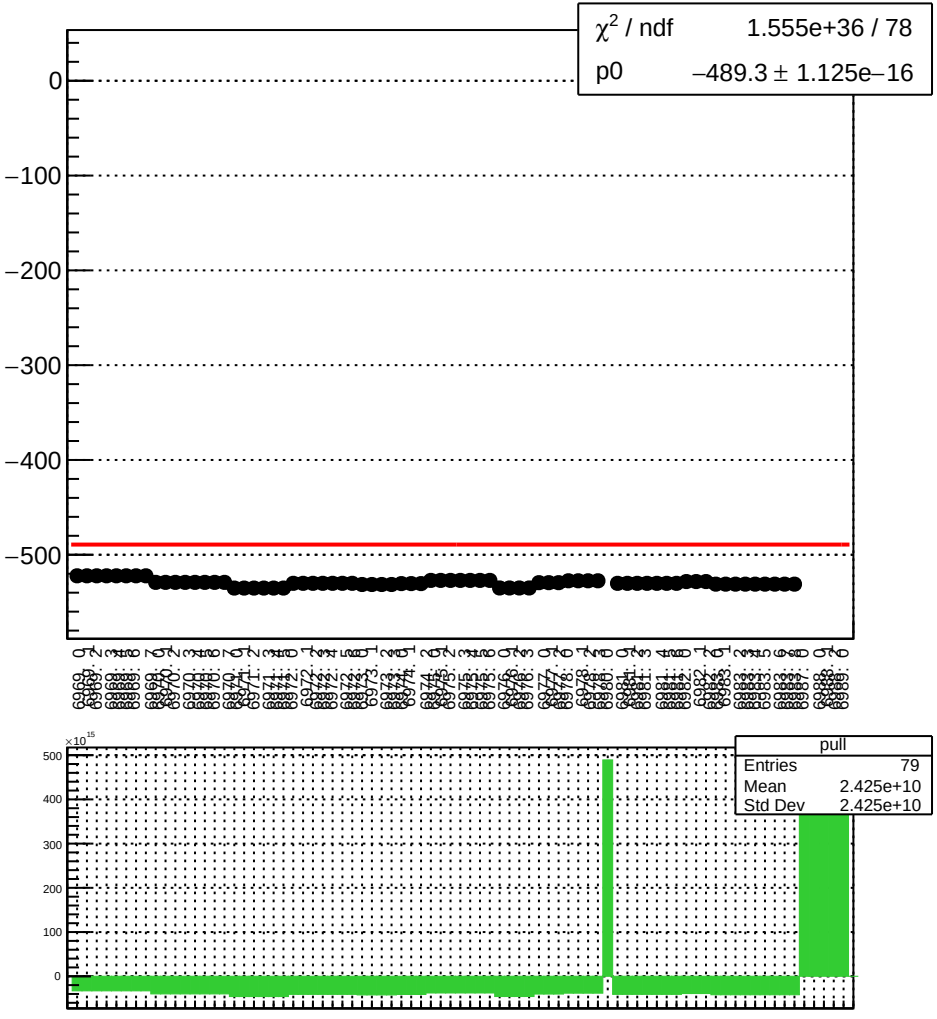


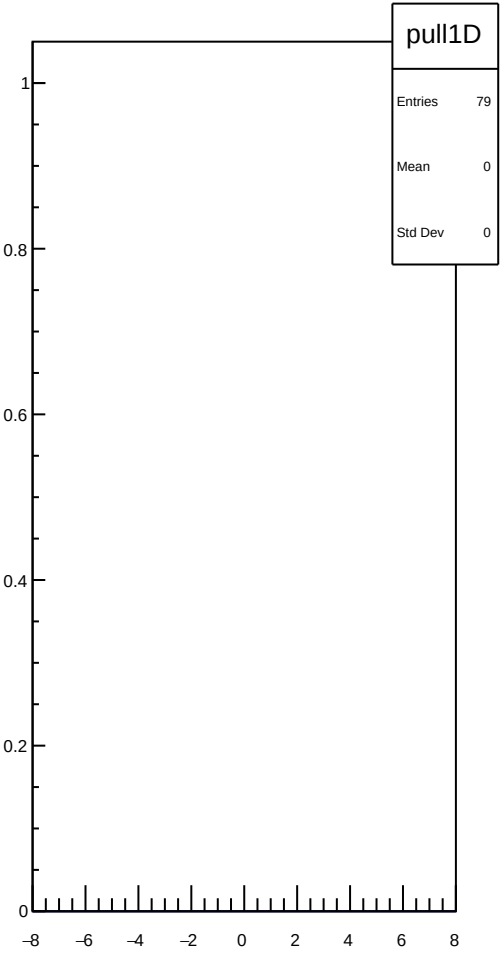
dit_4aX_coil1_Ndata_mean vs run



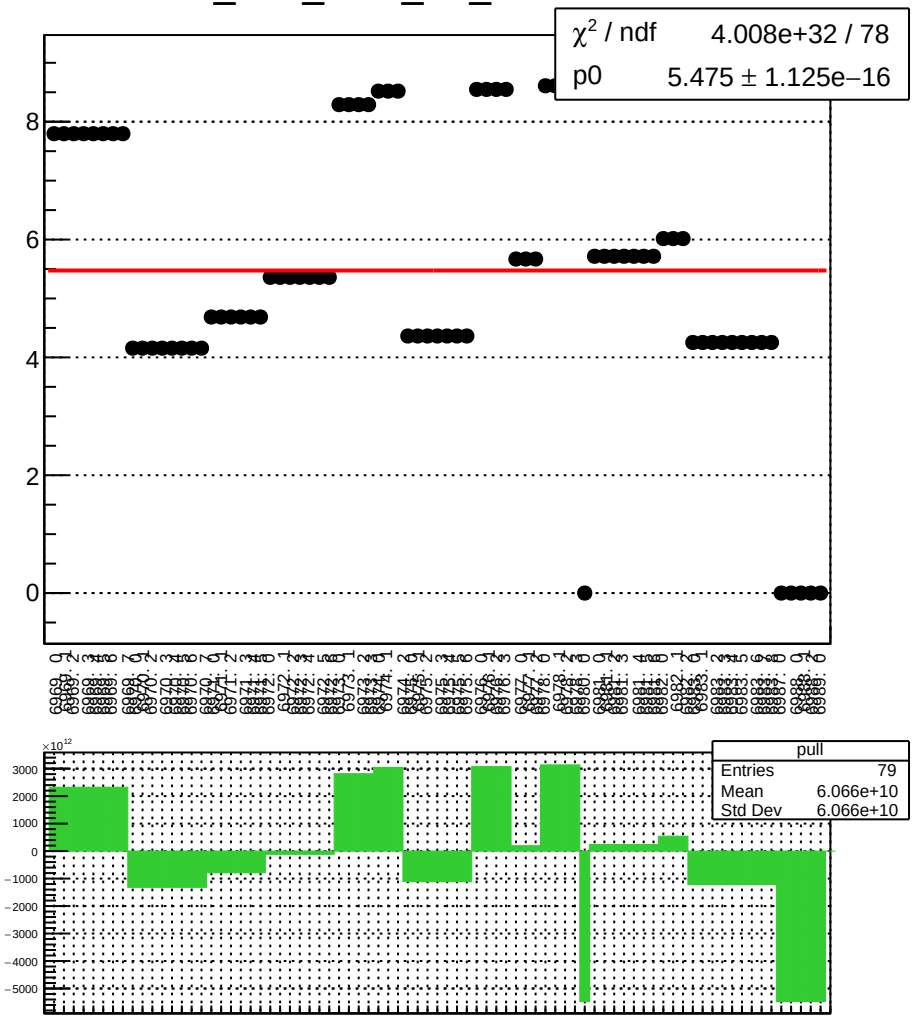


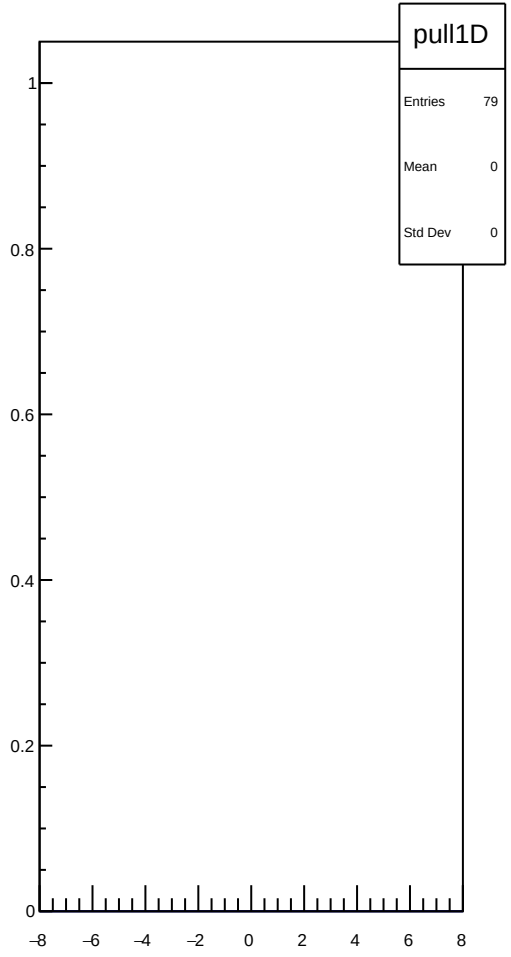
dit_4eX_coil1_mean vs run

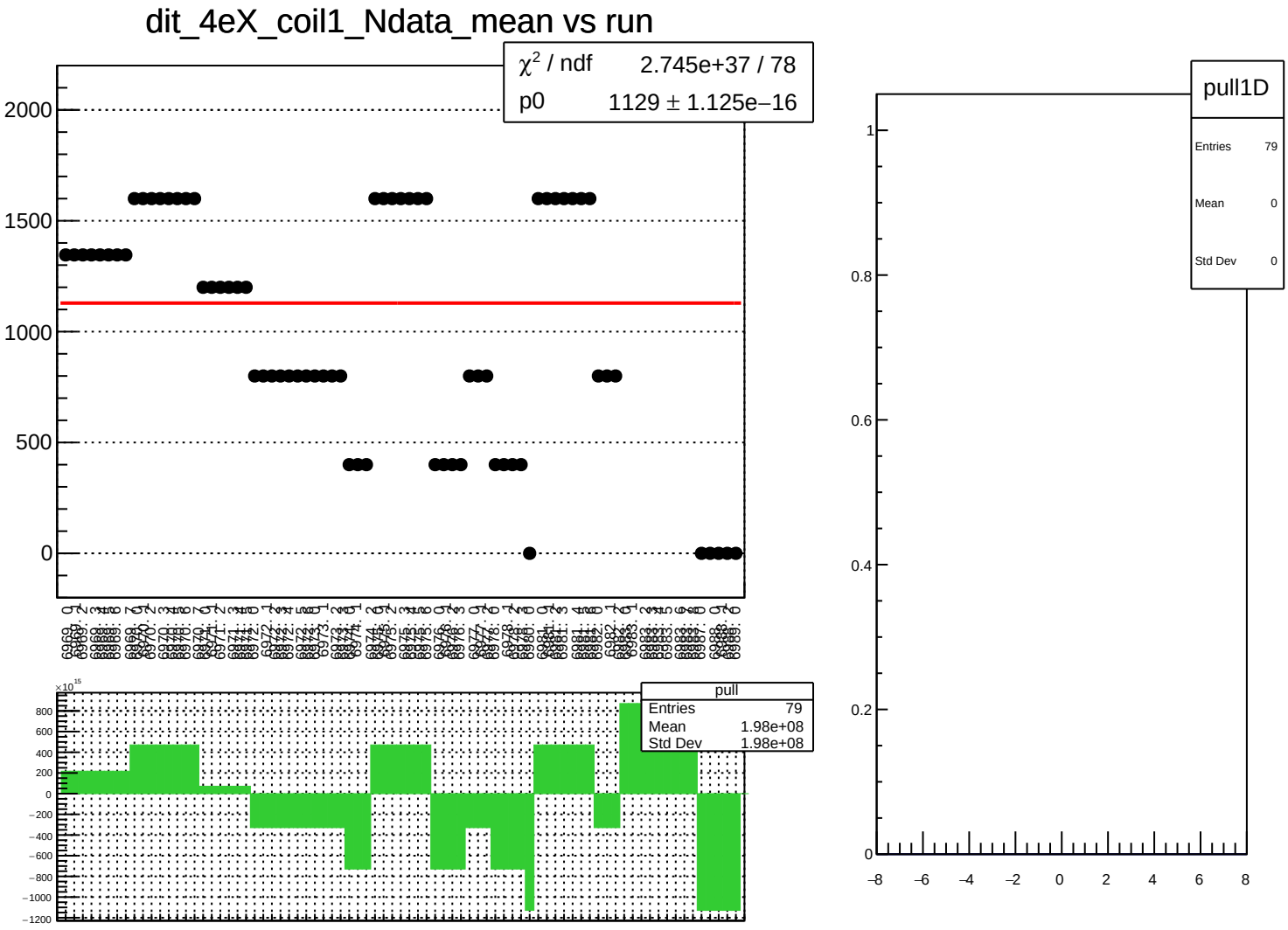




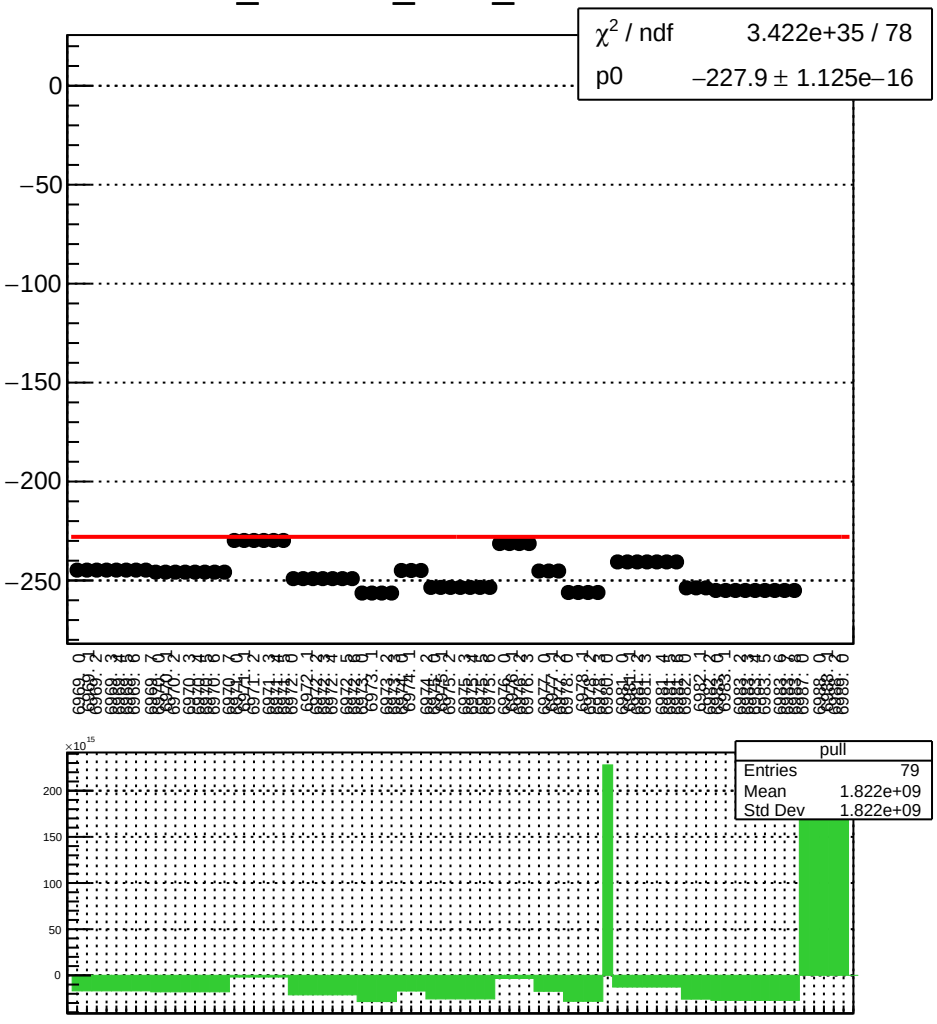
dit_4eX_coil1_err_mean vs run

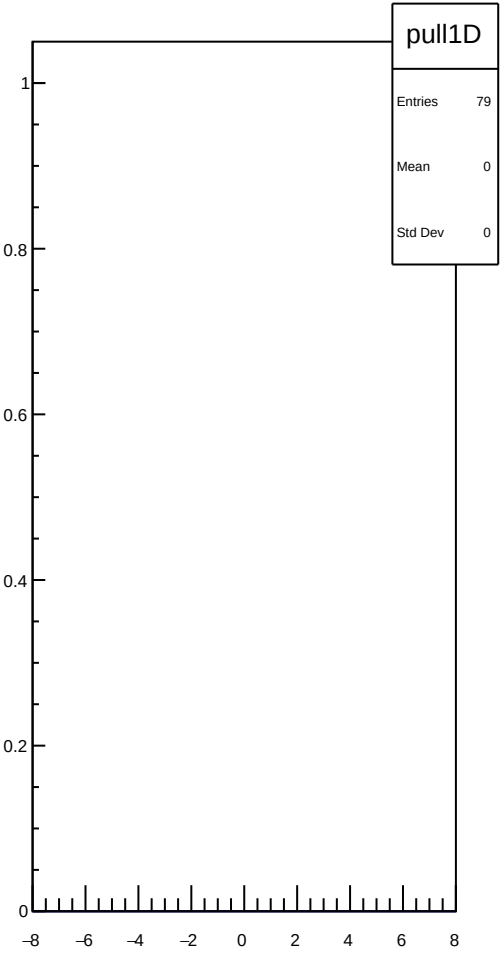




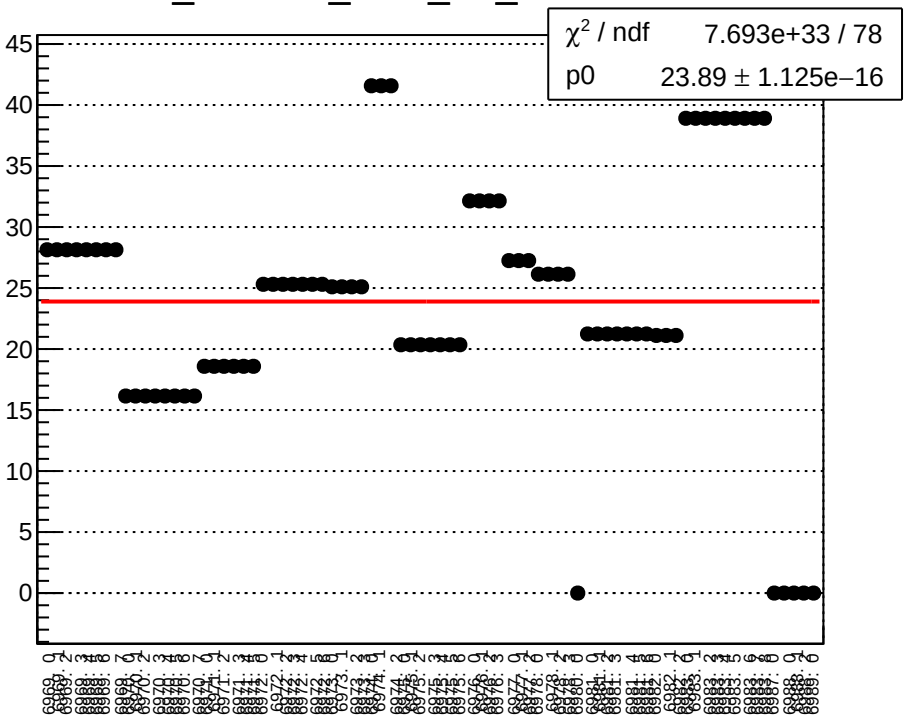

dit_4eX_coil1_Ndata_mean vs run
χ² / ndf 2.745e+37 / 78
p0 1129 ± 1.125e−16
2000
1500
1000
500
0
pull
Entries 79
Mean 1.98e+08
Std Dev 1.98e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

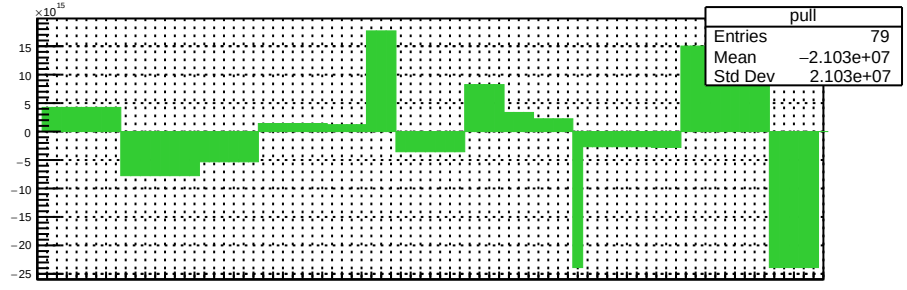
dit_11X12X_coil1_mean vs run

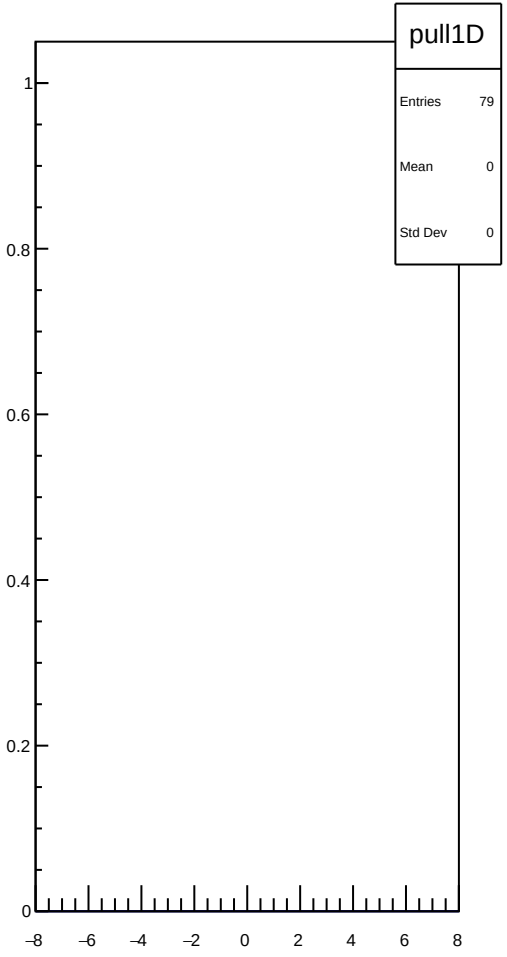


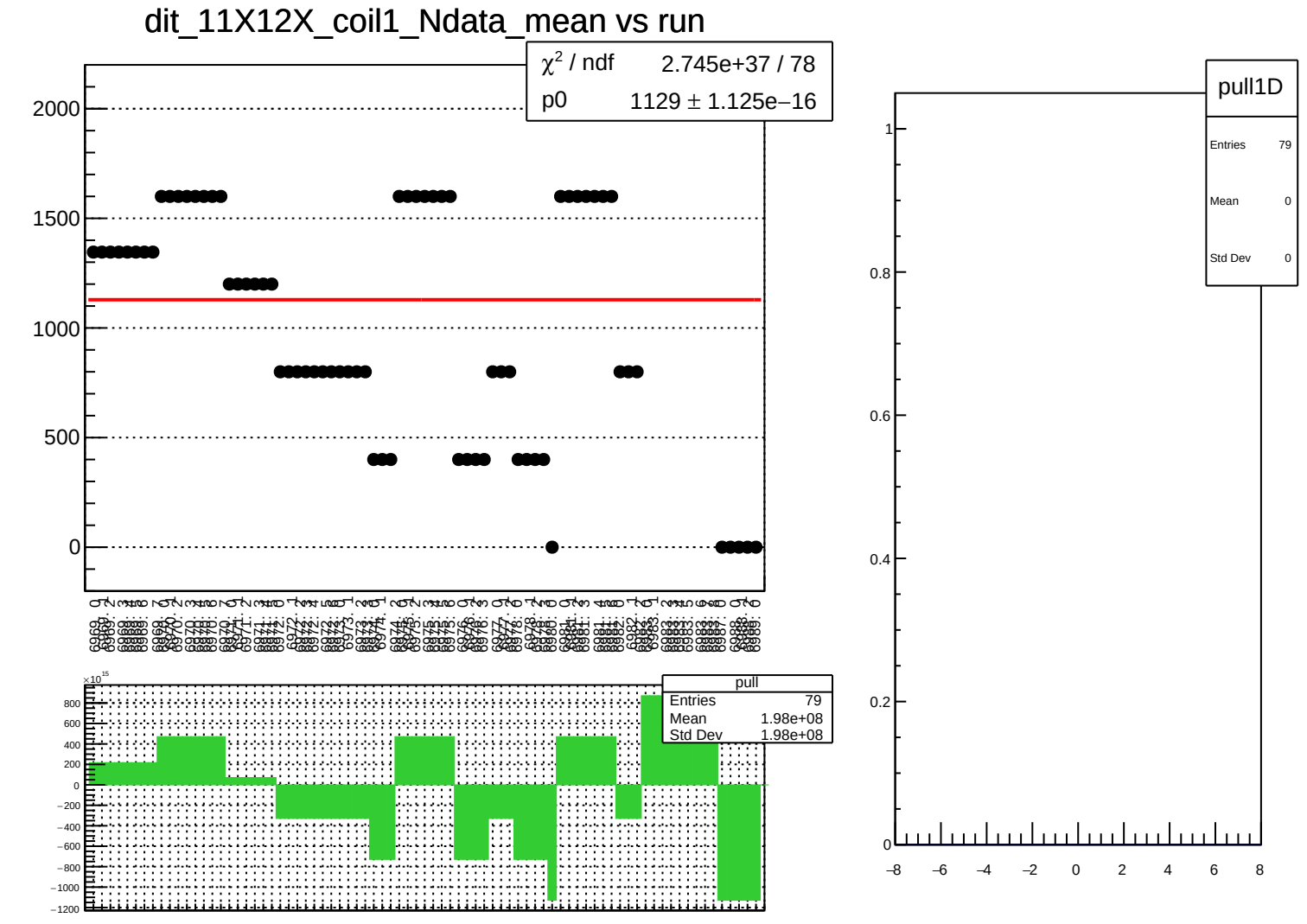


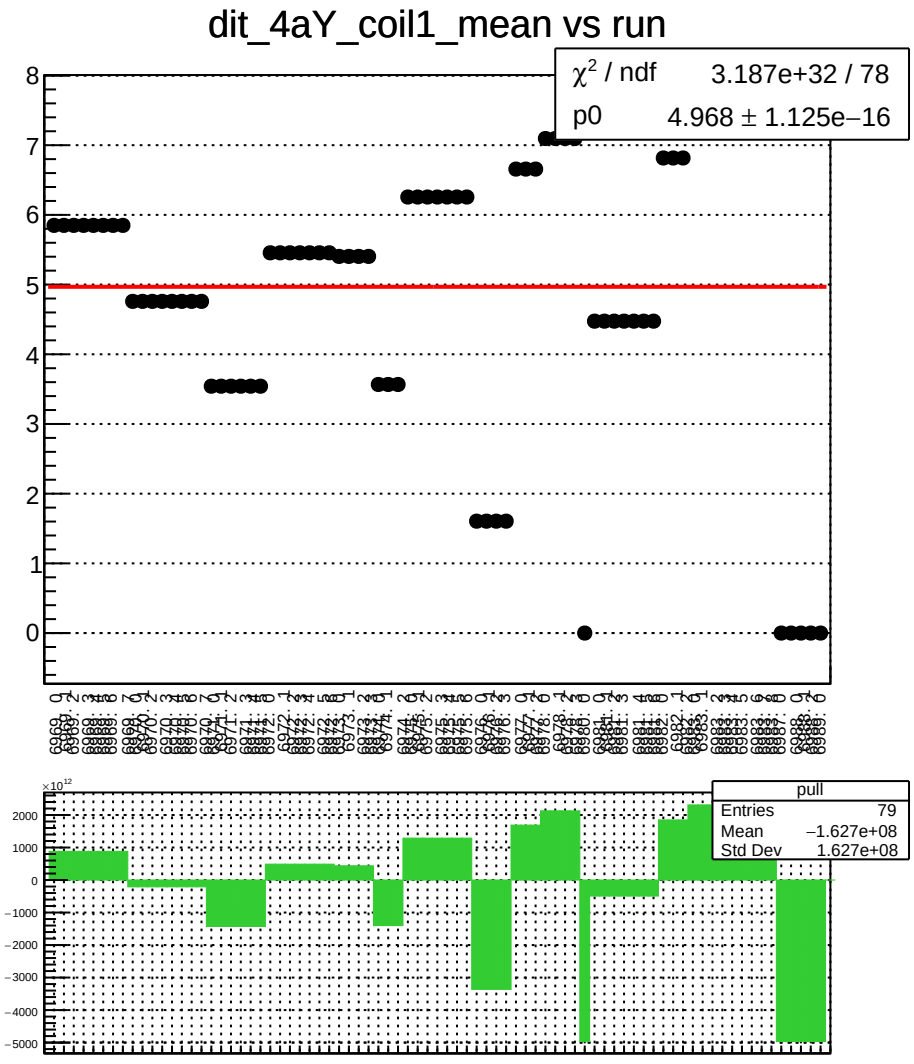
dit_11X12X_coil1_err_mean vs run

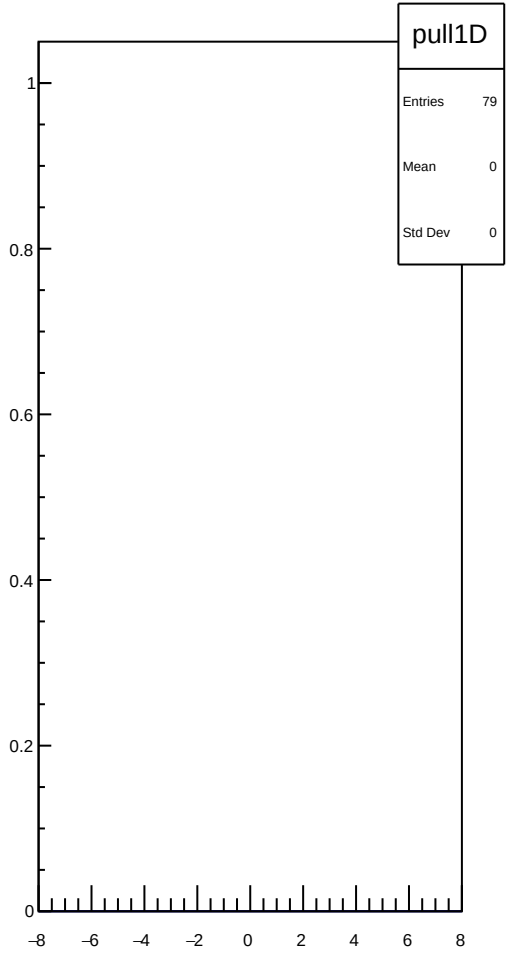




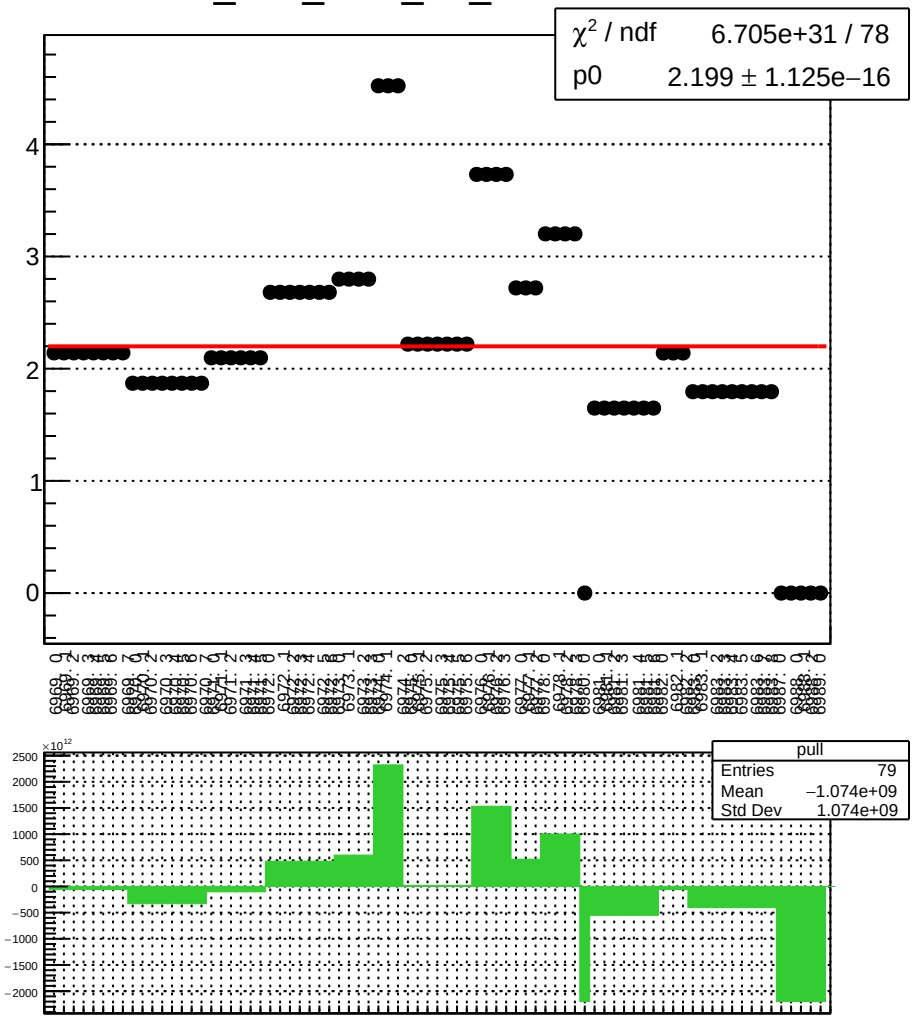


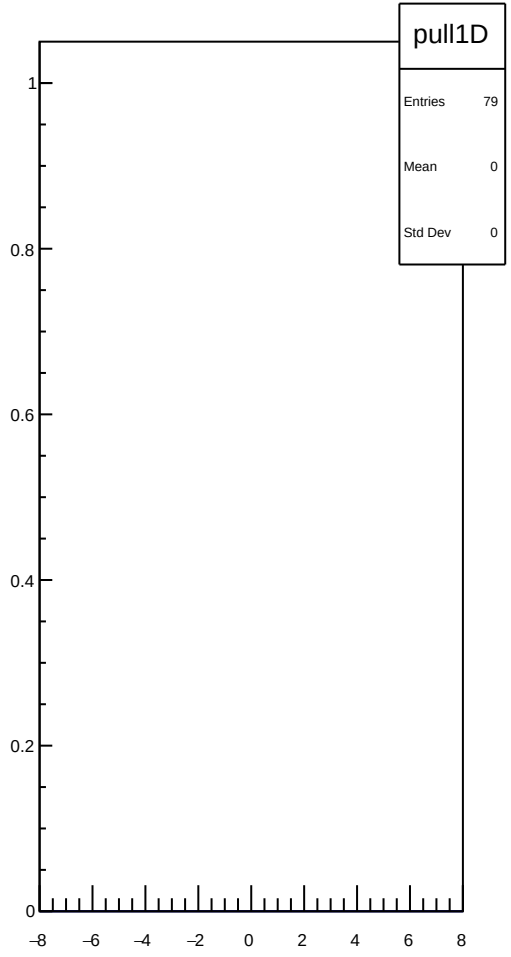

dit_11X12X_coil1_Ndata_mean vs run
χ^2 / ndf 2.745e+37 / 78
p0 1129 ± 1.125e−16
2000
1500
1000
500
0
pull
Entries 79
Mean 1.98e+08
Std Dev 1.98e+08
×10^15
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

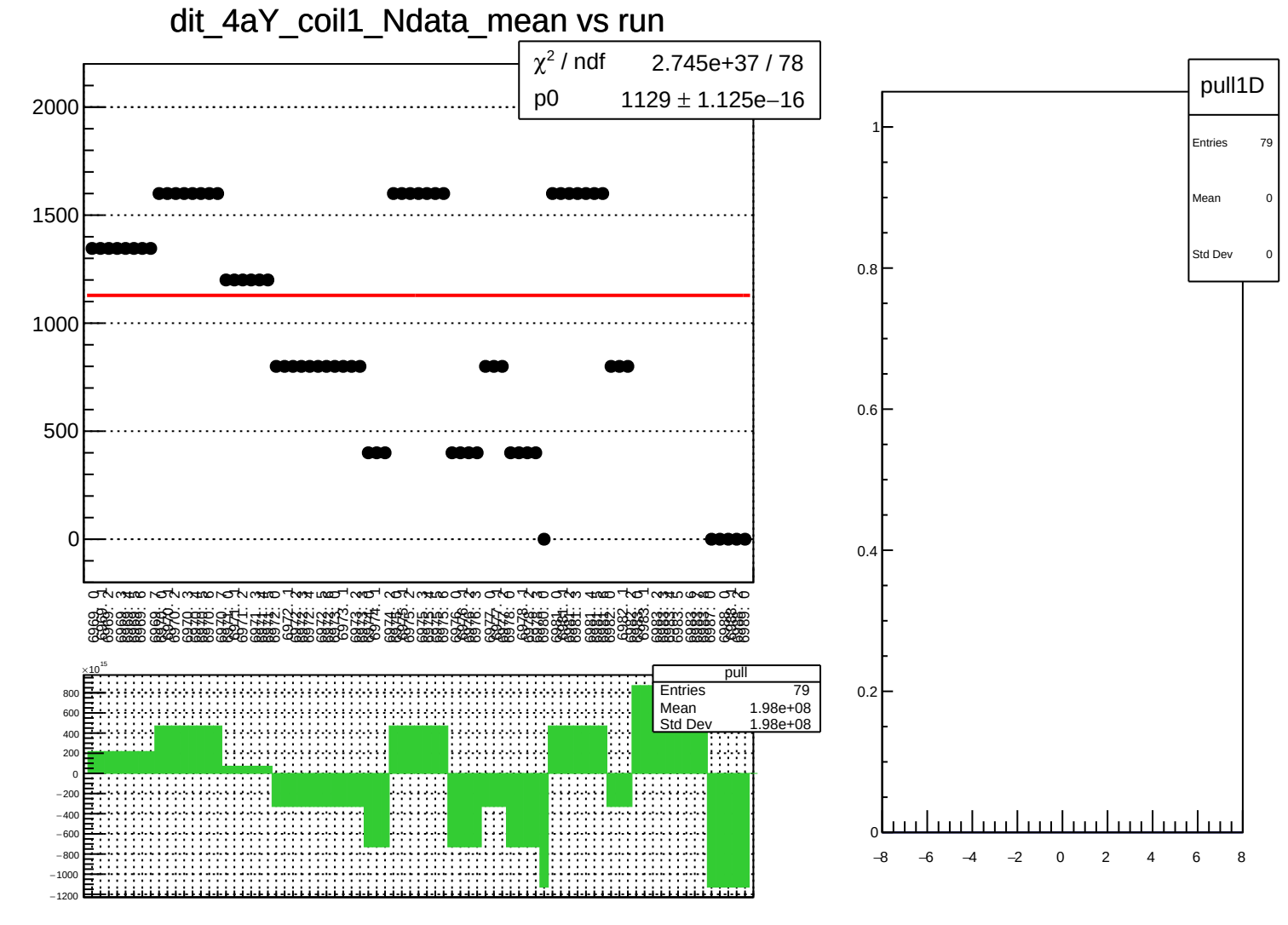

dit_4aY_coil1_mean vs run
χ^2 / ndf 3.187e+32 / 78
p0 4.968 ± 1.125e−16
pull
Entries 79
Mean −1.627e+08
Std Dev 1.627e+08

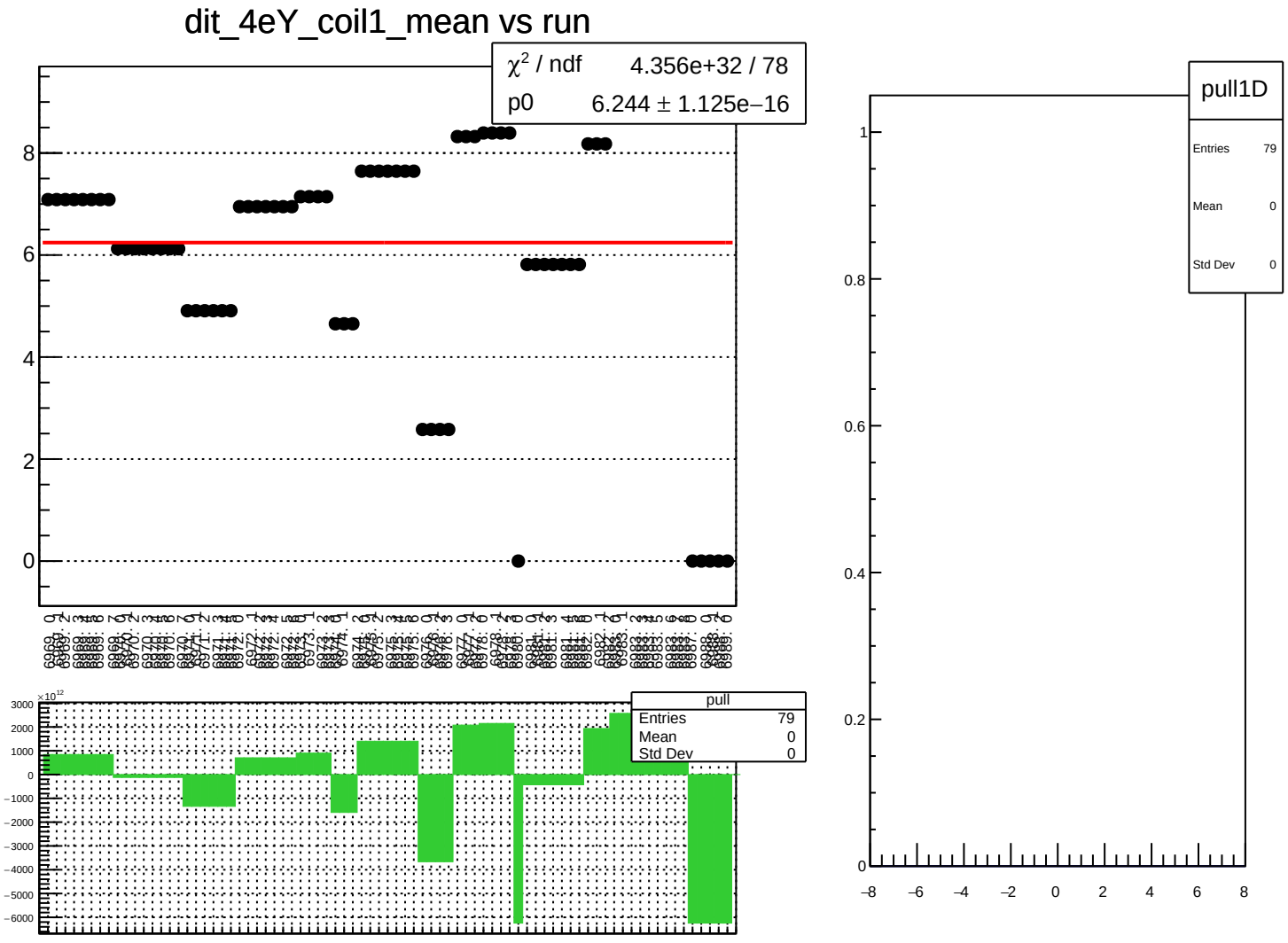

pull1D
Entries 79
Mean 0
Std Dev 0

dit_4aY_coil1_err_mean vs run

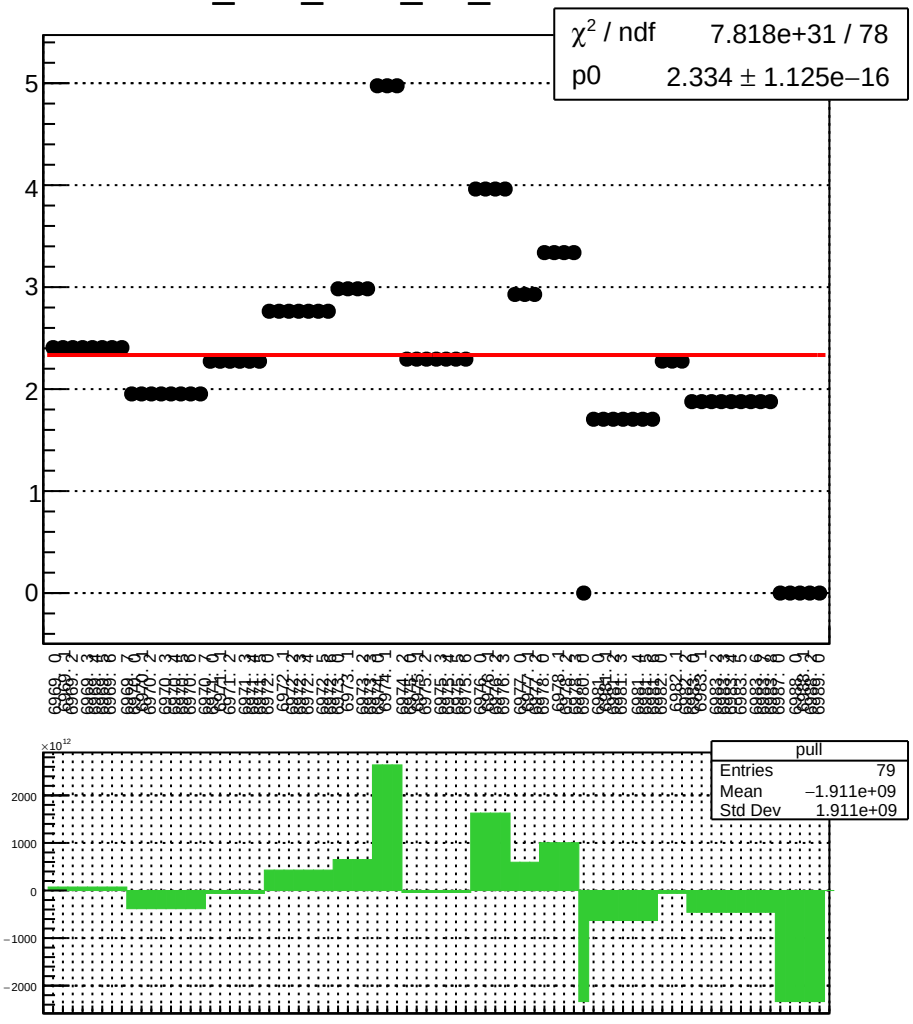


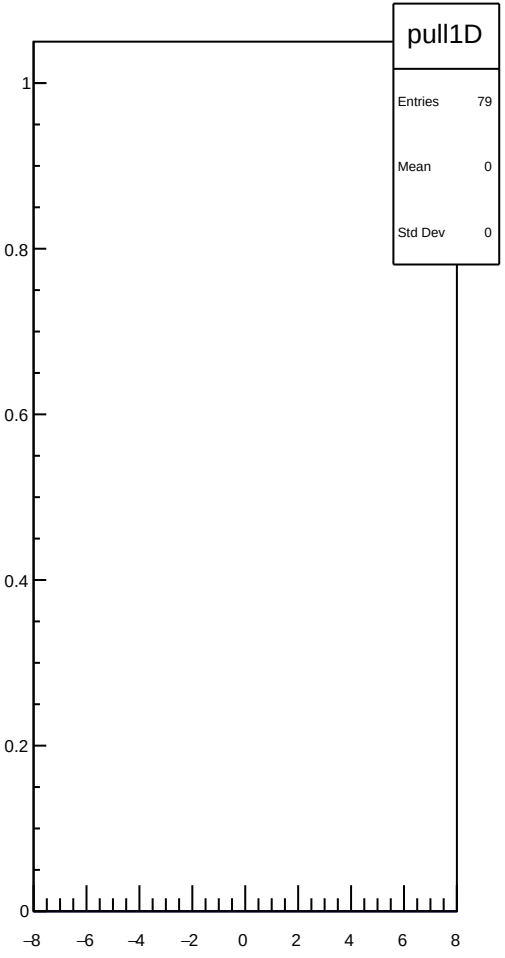



dit_4aY_coil1_Ndata_mean vs run
χ² / ndf 2.745e+37 / 78
p0 1129 ± 1.125e−16
2000
1500
1000
500
0
pull
Entries 79
Mean 1.98e+08
Std Dev 1.98e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

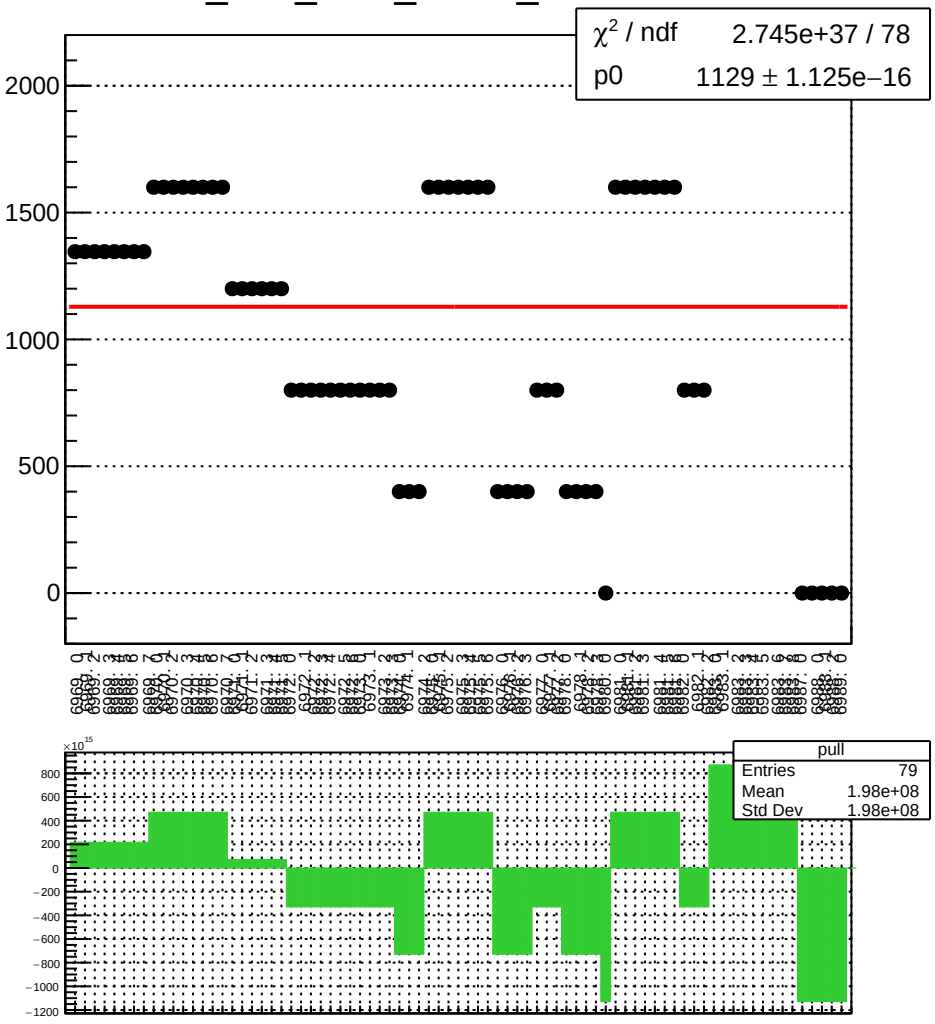

dit_4eY_coil1_mean vs run
χ² / ndf 4.356e+32 / 78
p0 6.244 ± 1.125e−16
pull
Entries 79
Mean 0
Std Dev 0
pull1D
Entries 79
Mean 0
Std Dev 0

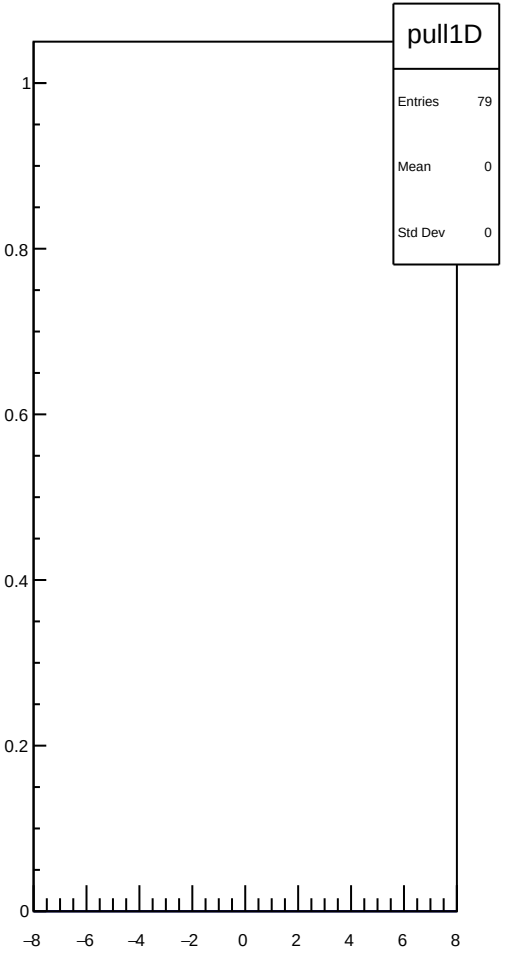
dit_4eY_coil1_err_mean vs run

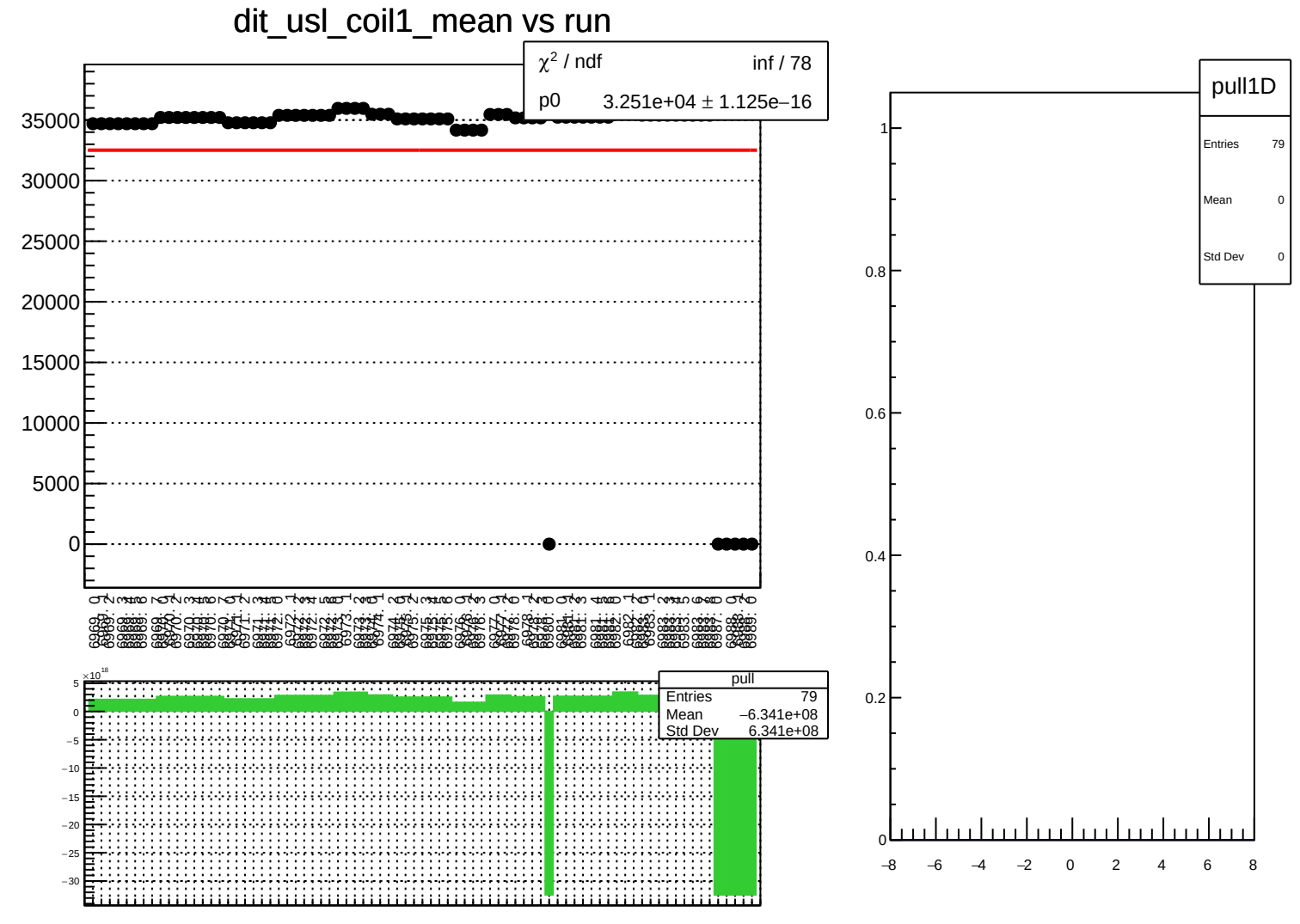


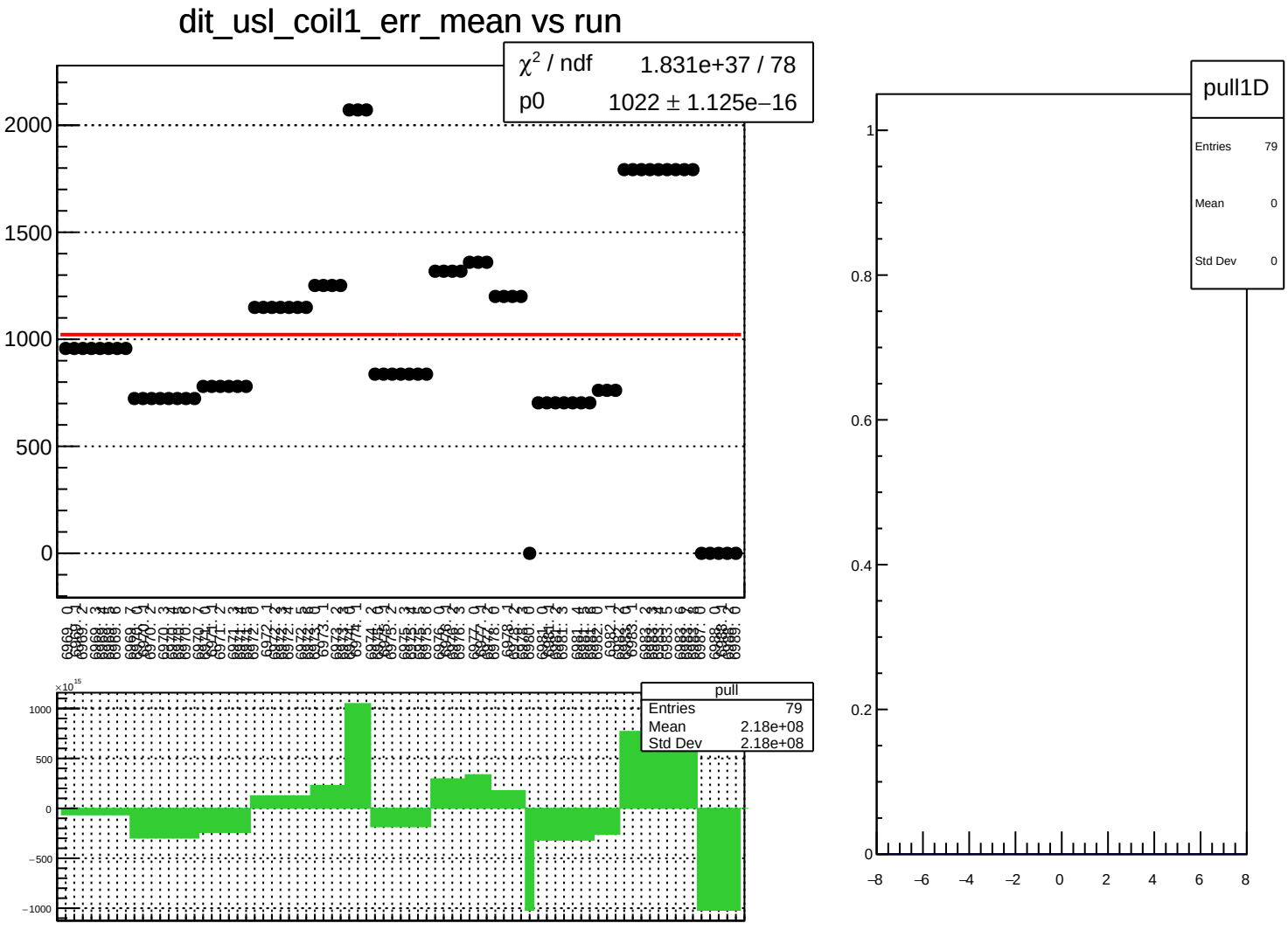


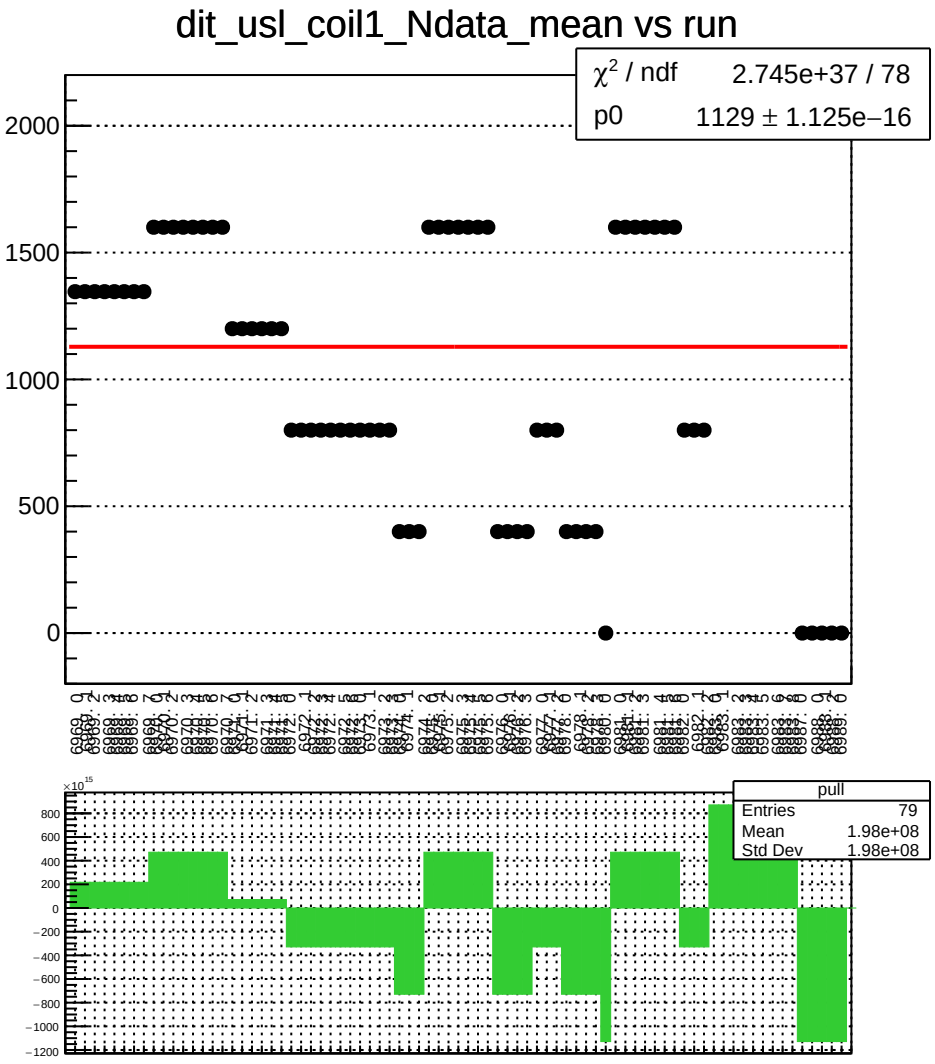
dit_4eY_coil1_Ndata_mean vs run

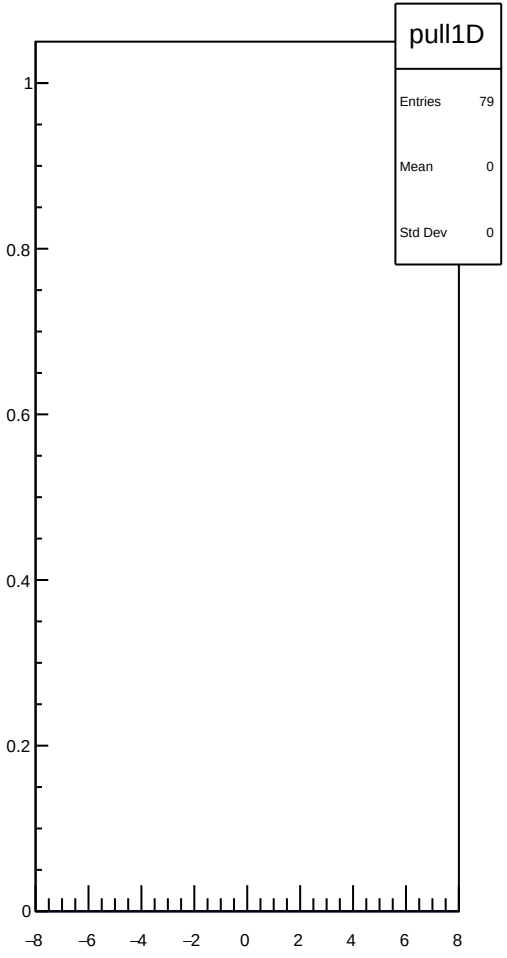




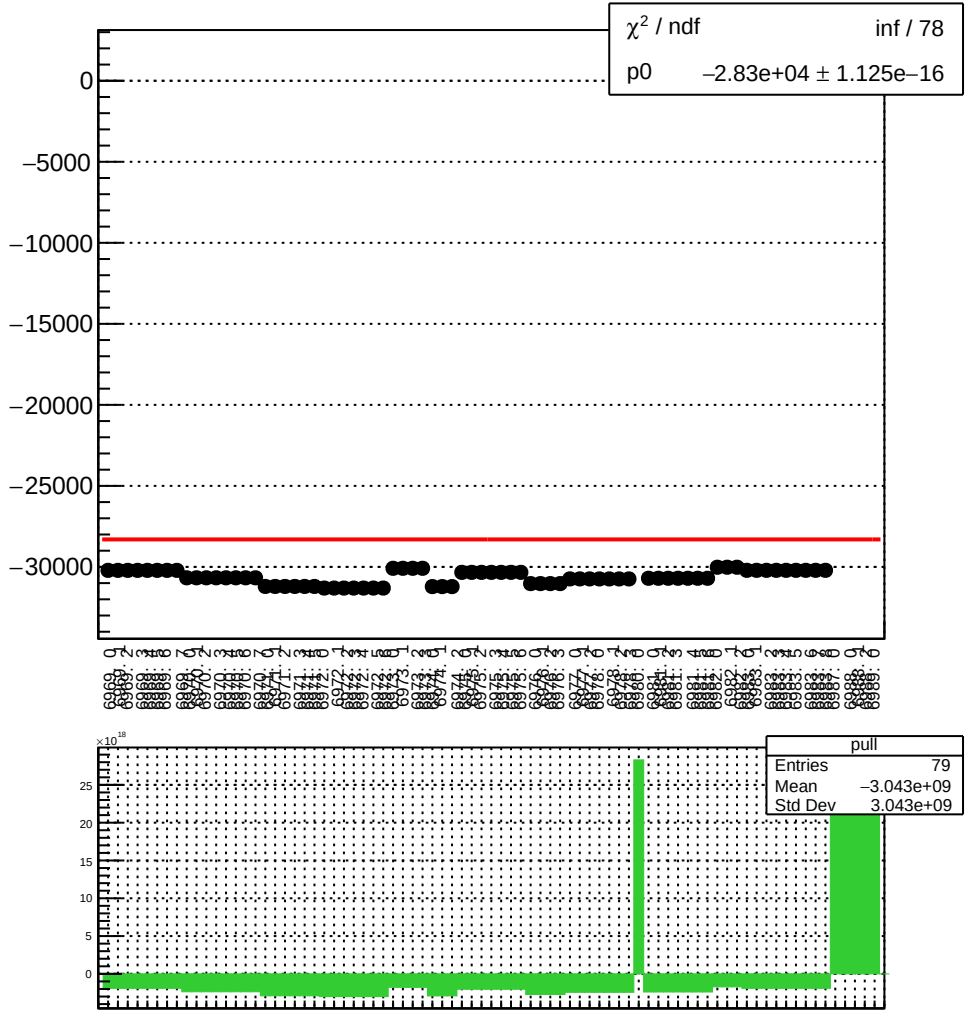

dit_usl_coil1_mean vs run
χ² / ndf inf / 78
p0 3.251e+04 ± 1.125e−16
35000
30000
25000
20000
15000
10000
5000
0
pull
Entries 79
Mean −6.341e+08
Std Dev 6.341e+08
×10¹⁸
5
0
−5
−10
−15
−20
−25
−30
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

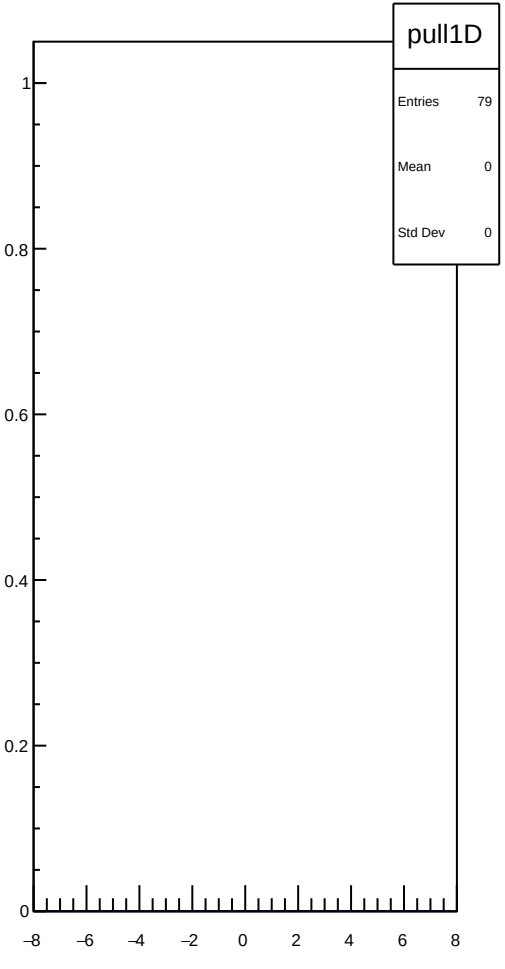

dit_usl_coil1_err_mean vs run
χ² / ndf 1.831e+37 / 78
p0 1022 ± 1.125e−16
2000
1500
1000
500
0
pull
Entries 79
Mean 2.18e+08
Std Dev 2.18e+08
×10¹⁵
1000
500
0
−500
−1000
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

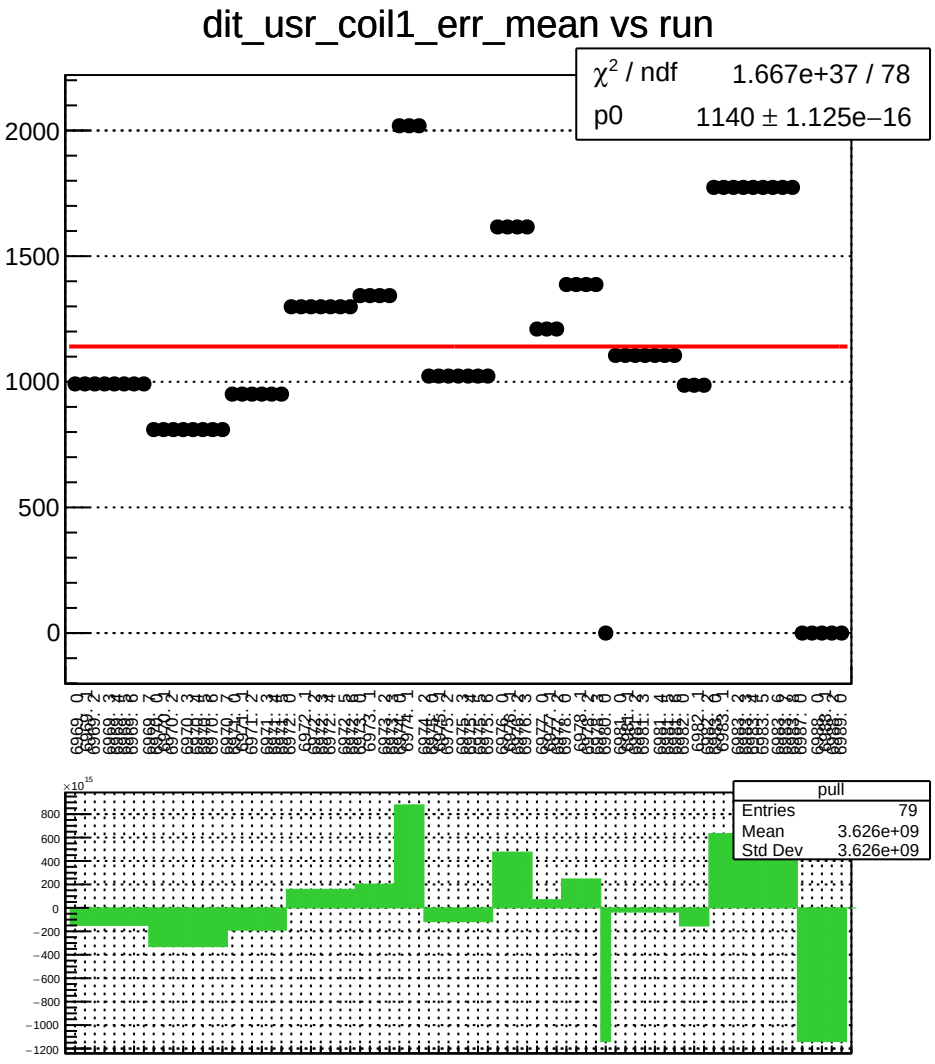

dit_usl_coil1_Ndata_mean vs run
χ² / ndf 2.745e+37 / 78
p0 1129 ± 1.125e−16
2000
1500
1000
500
0
pull
Entries 79
Mean 1.98e+08
Std Dev 1.98e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

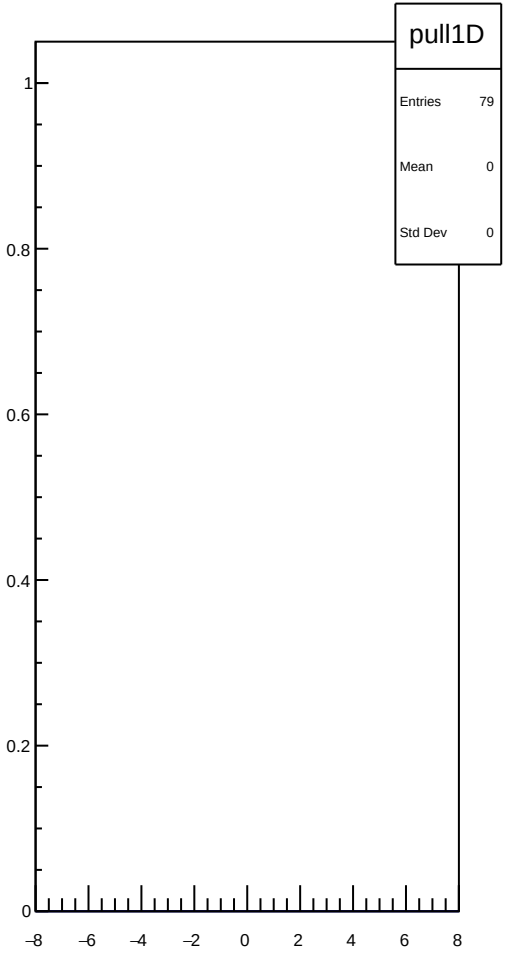

pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

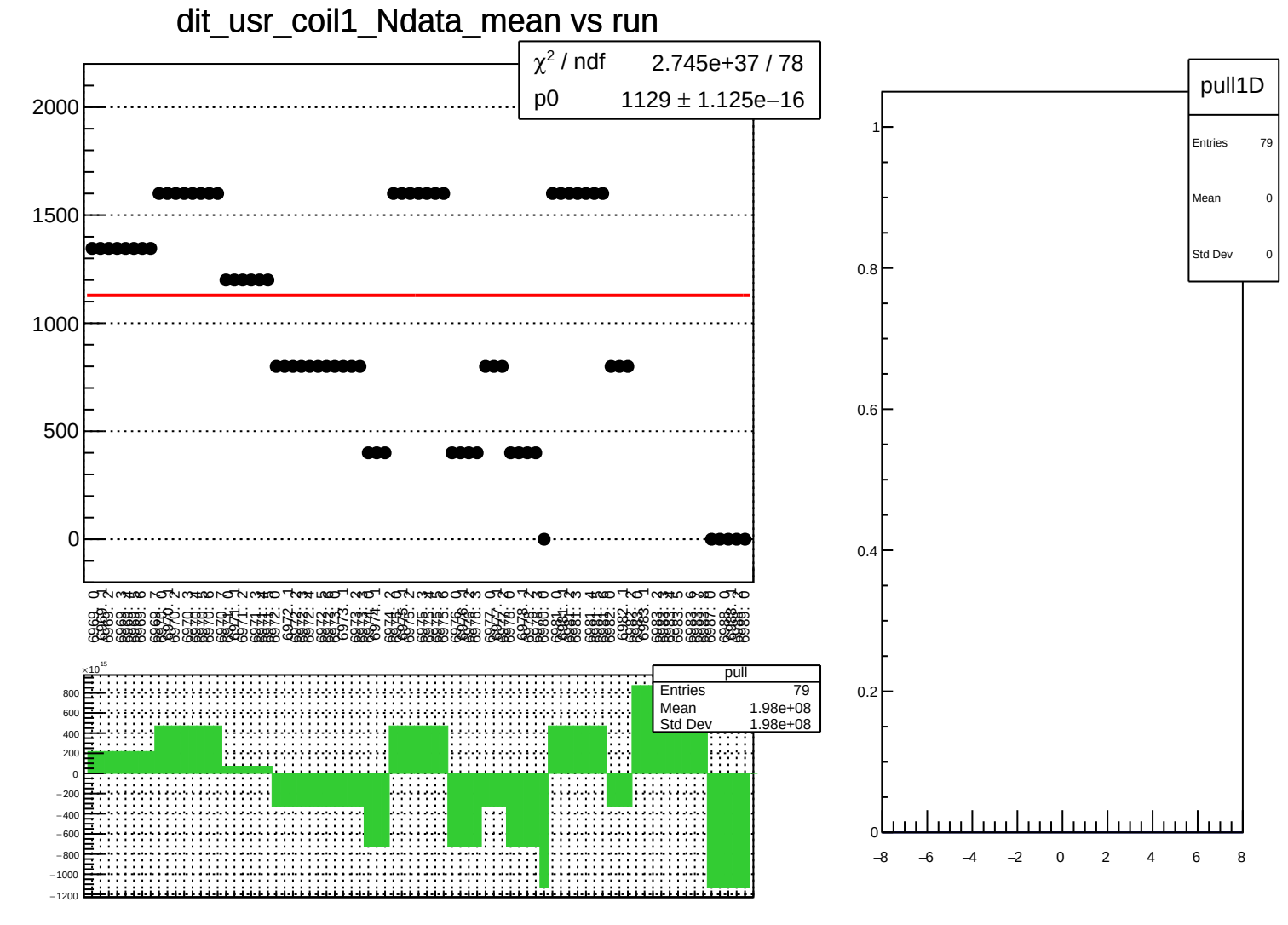
dit_usr_coil1_mean vs run

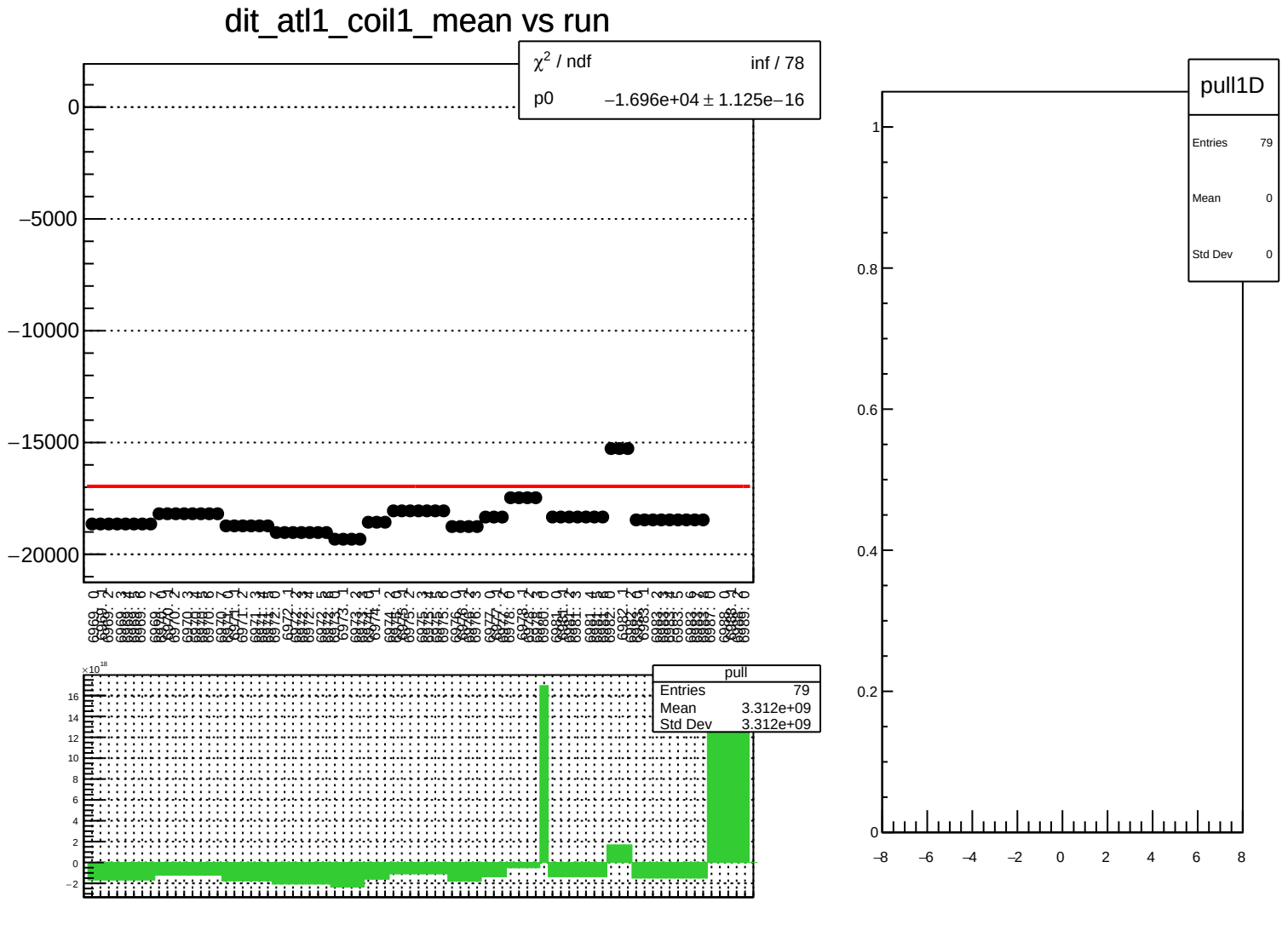


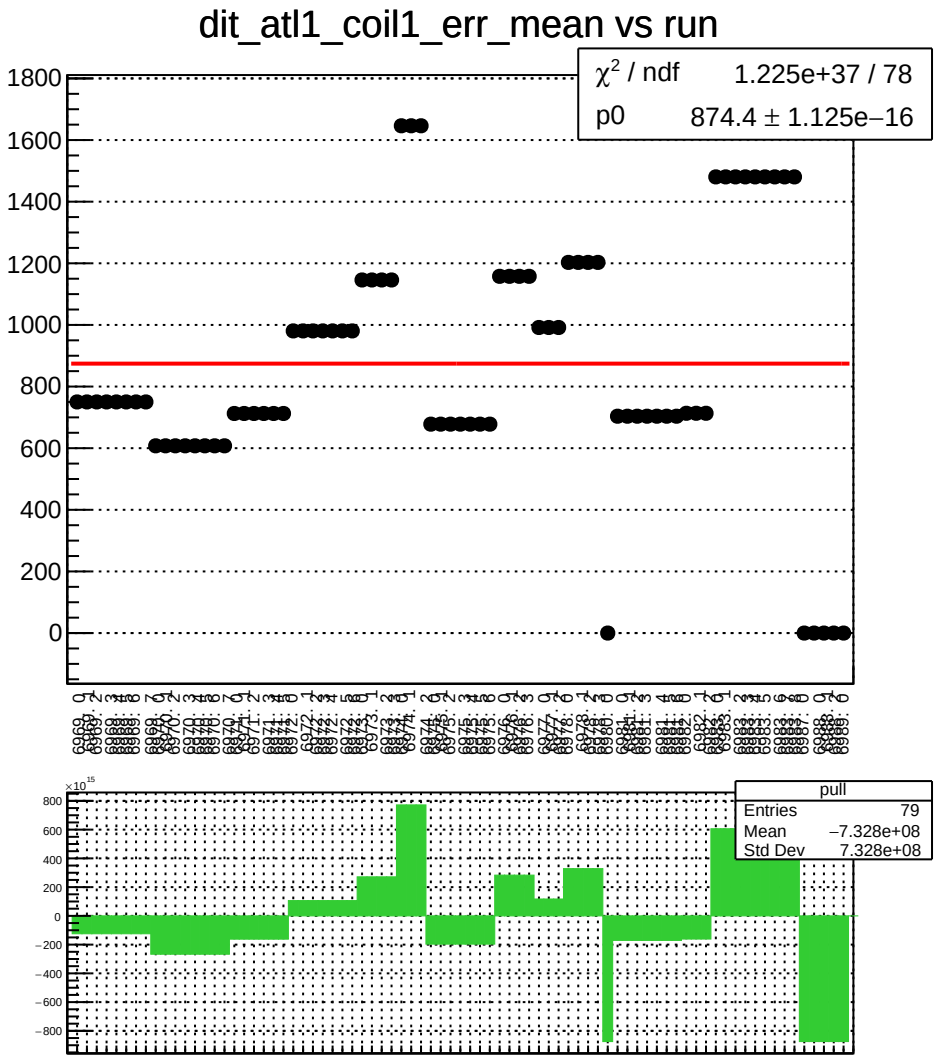


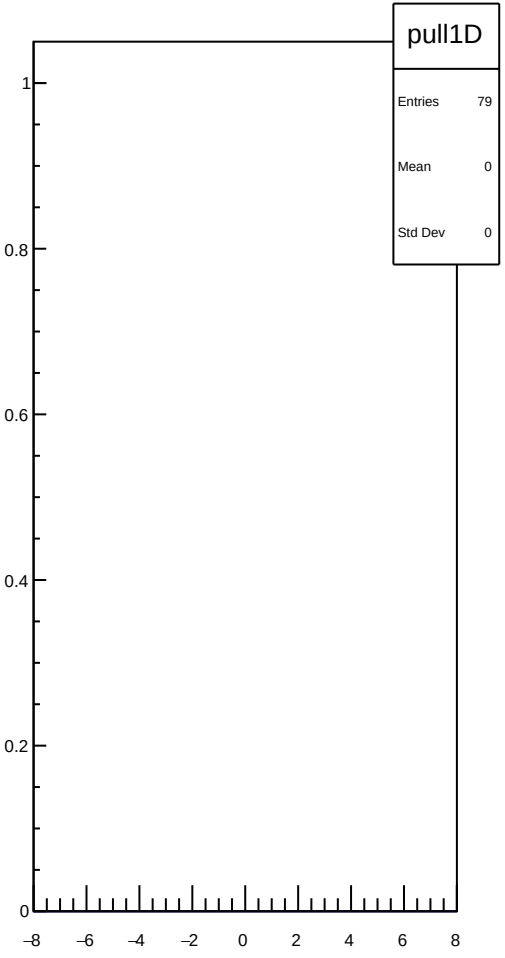

dit_usr_coil1_err_mean vs run
χ² / ndf 1.667e+37 / 78
p0 1140 ± 1.125e−16
2000
1500
1000
500
0
pull
Entries 79
Mean 3.626e+09
Std Dev 3.626e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

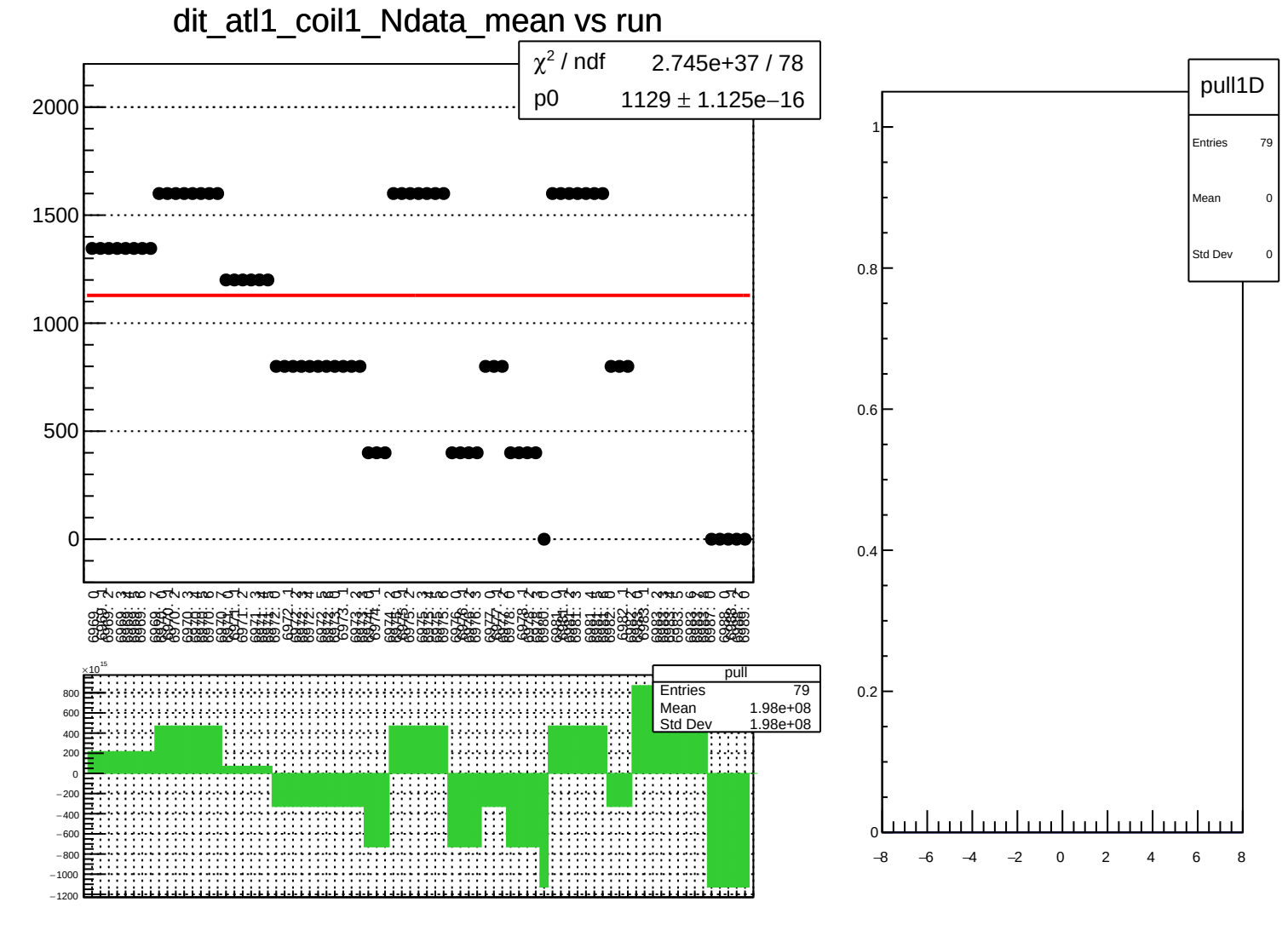

pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

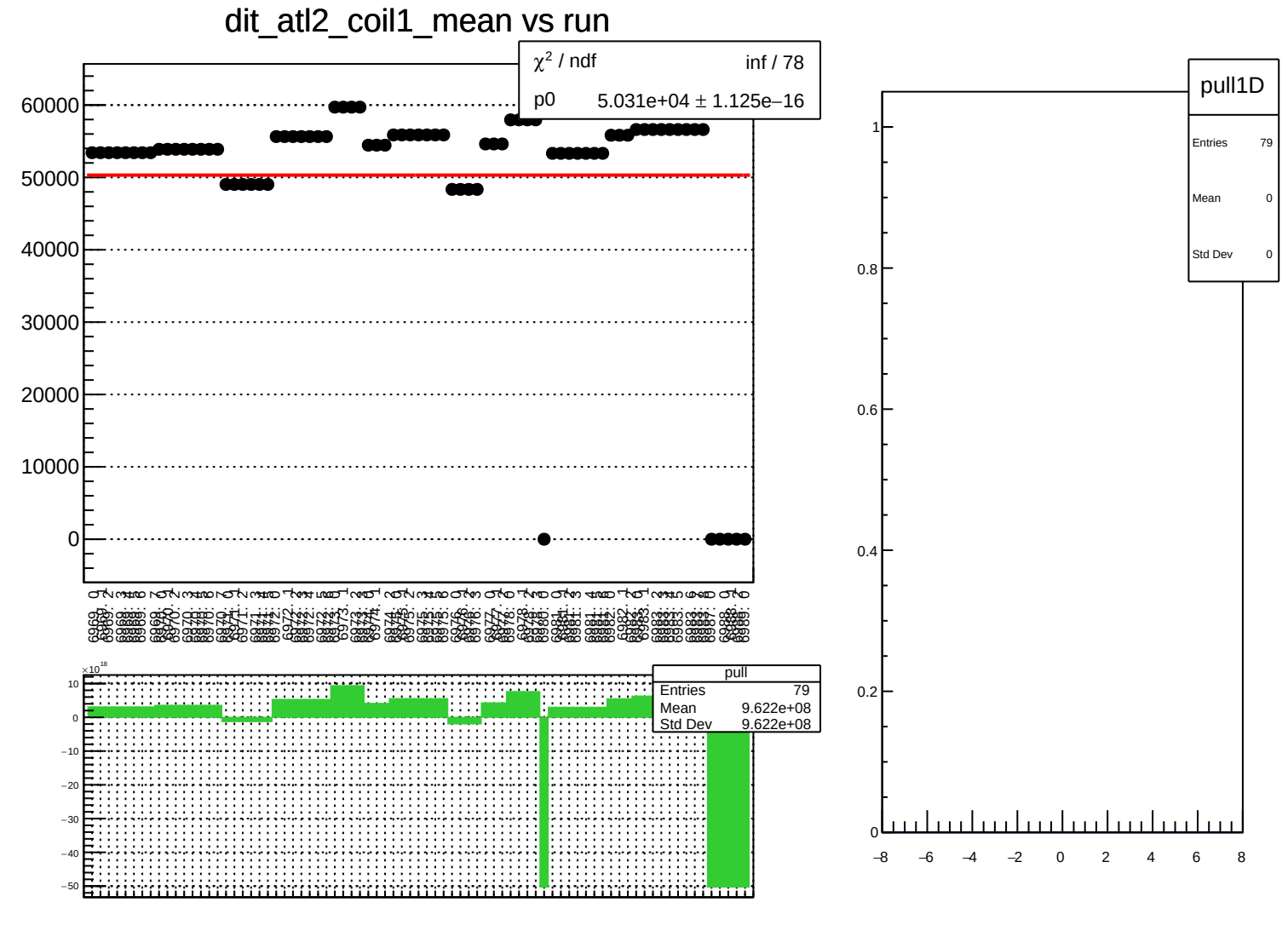

dit_usr_coil1_Ndata_mean vs run
χ² / ndf 2.745e+37 / 78
p0 1129 ± 1.125e−16
2000
1500
1000
500
0
pull
Entries 79
Mean 1.98e+08
Std Dev 1.98e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

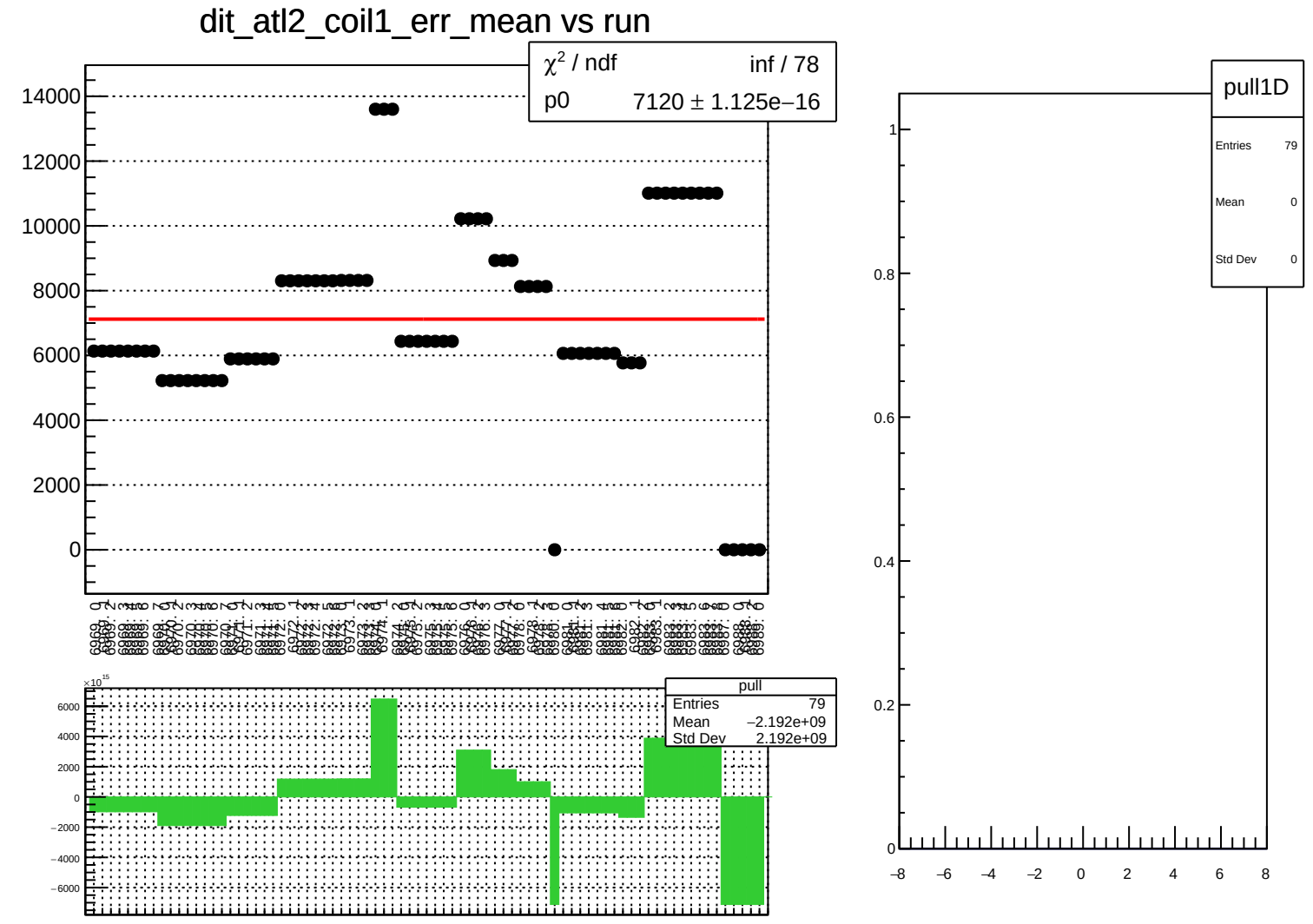

dit_atl1_coil1_mean vs run
χ² / ndf inf / 78
p0 −1.696e+04 ± 1.125e−16
0
−5000
−10000
−15000
−20000
pull
Entries 79
Mean 3.312e+09
Std Dev 3.312e+09
×10¹⁸
16
14
12
10
8
6
4
2
0
−2
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_atl1_coil1_err_mean vs run
χ² / ndf 1.225e+37 / 78
p0 874.4 ± 1.125e−16
pull
Entries 79
Mean −7.328e+08
Std Dev 7.328e+08

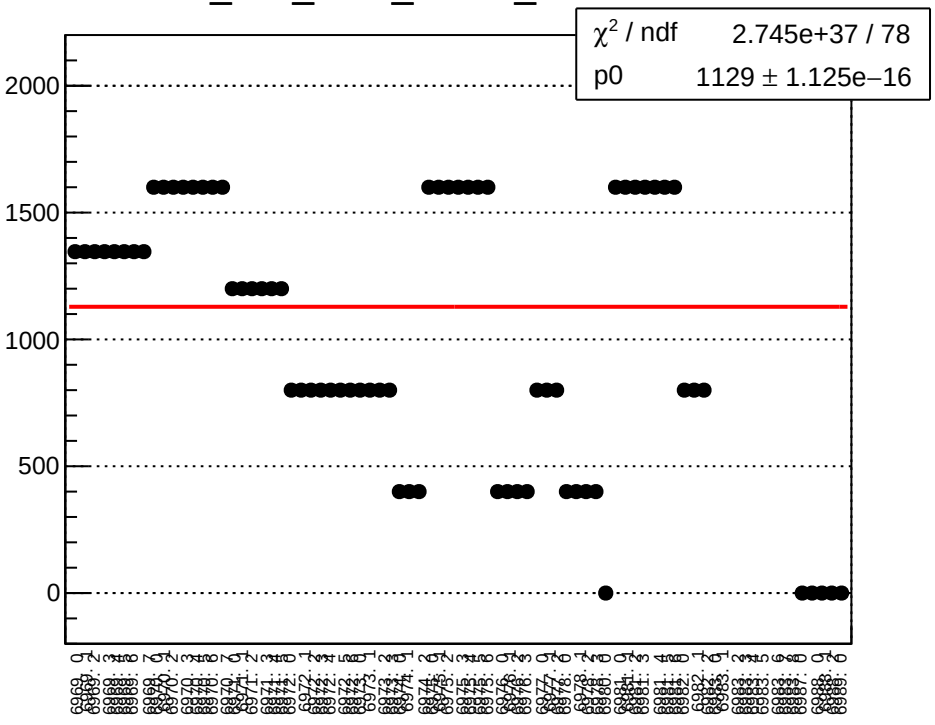

pull1D
Entries 79
Mean 0
Std Dev 0

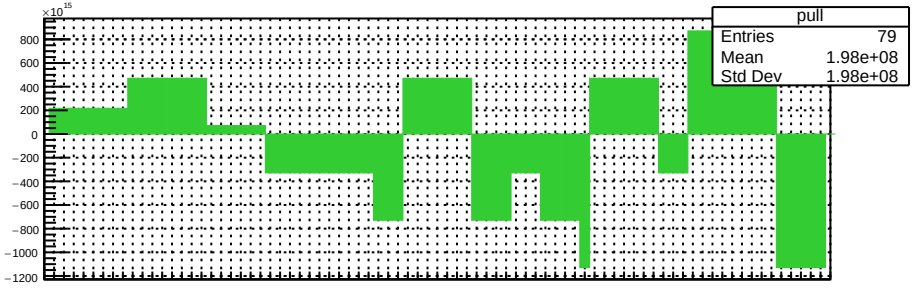

dit_atl1_coil1_Ndata_mean vs run
χ² / ndf 2.745e+37 / 78
p0 1129 ± 1.125e−16
2000
1500
1000
500
0
pull
Entries 79
Mean 1.98e+08
Std Dev 1.98e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

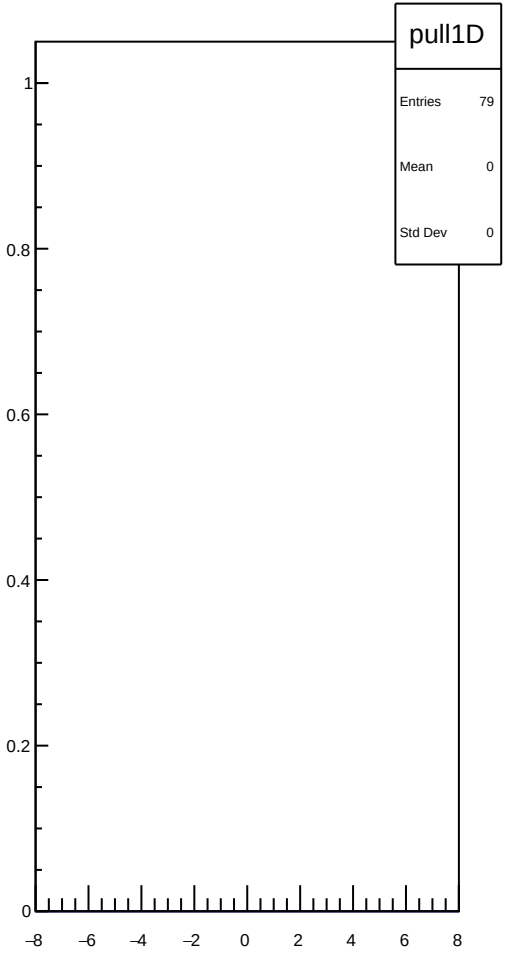

dit_atl2_coil1_mean vs run
χ² / ndf inf / 78
p0 5.031e+04 ± 1.125e−16
60000
50000
40000
30000
20000
10000
0
pull
Entries 79
Mean 9.622e+08
Std Dev 9.622e+08
×10¹⁸
10
0
−10
−20
−30
−40
−50
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

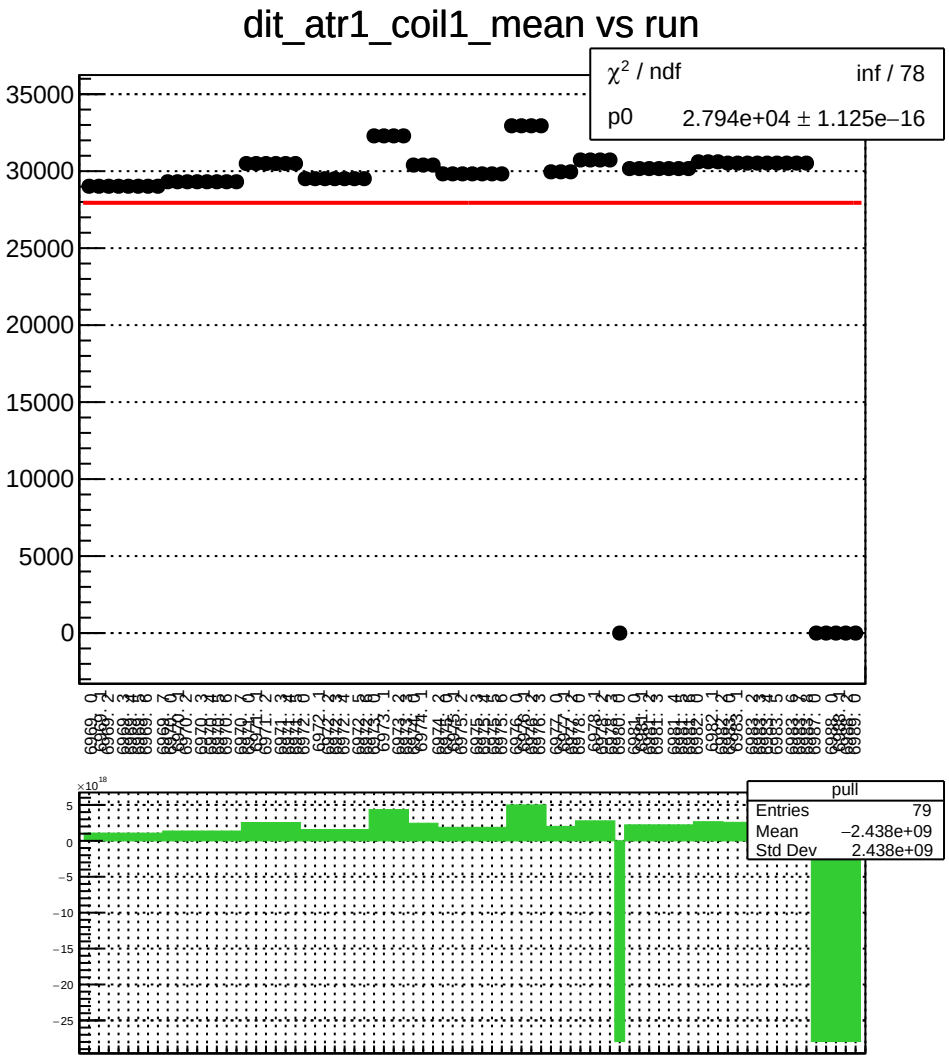

dit_atl2_coil1_err_mean vs run
χ² / ndf inf / 78
p0 7120 ± 1.125e−16
14000
12000
10000
8000
6000
4000
2000
0
pull
Entries 79
Mean −2.192e+09
Std Dev 2.192e+09
×10¹⁵
6000
4000
2000
0
−2000
−4000
−6000
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

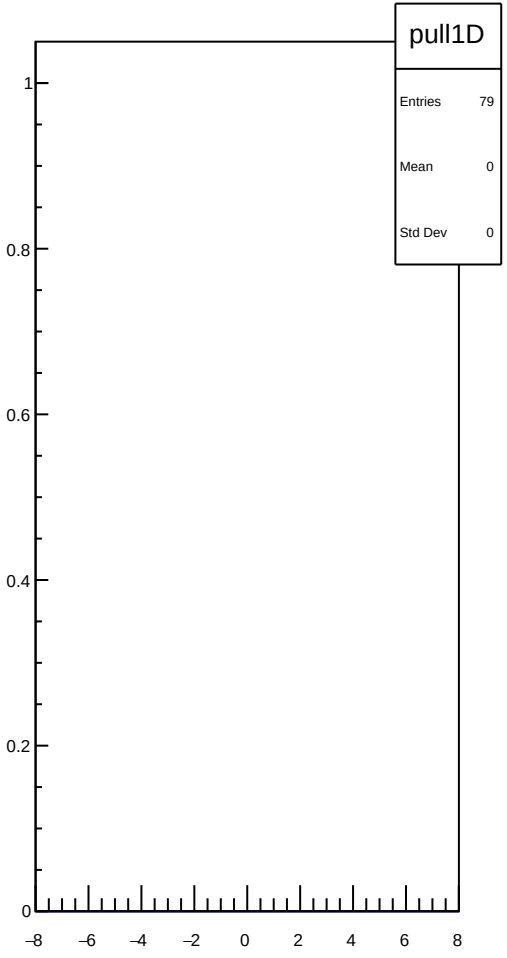
dit_atl2_coil1_Ndata_mean vs run

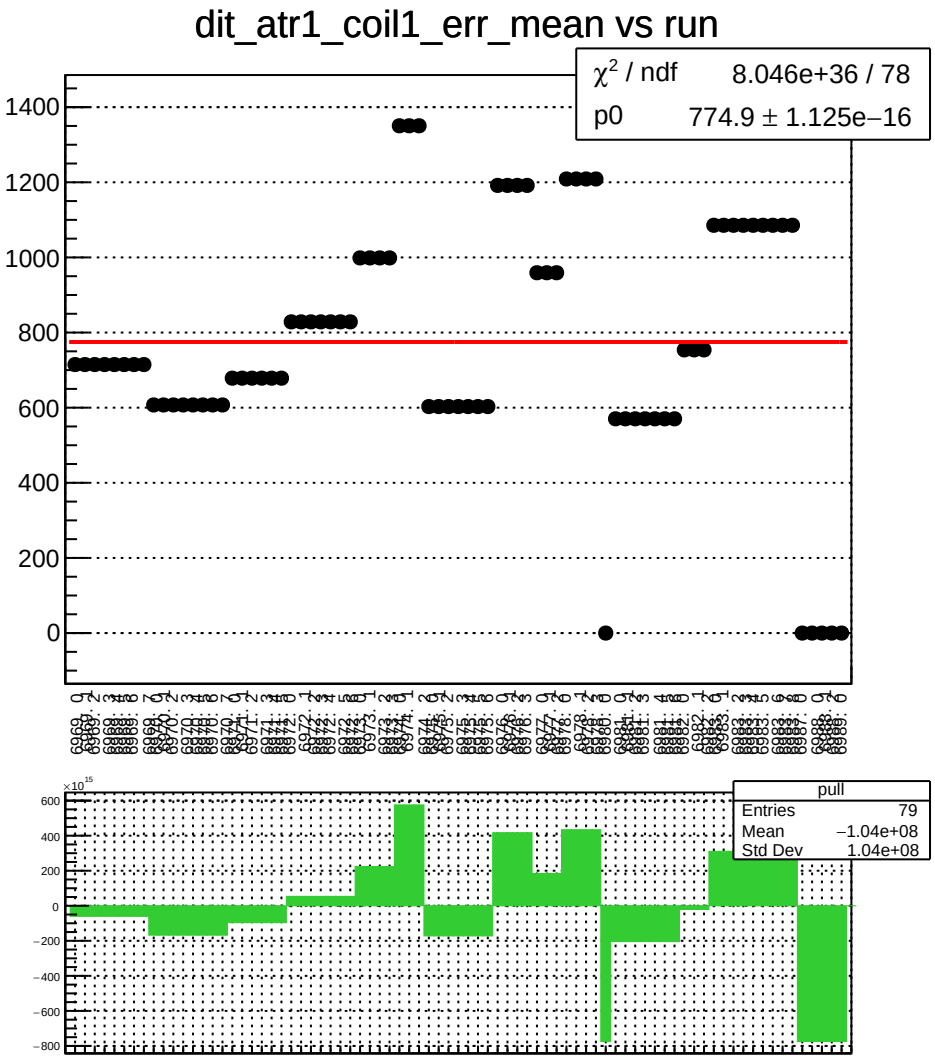


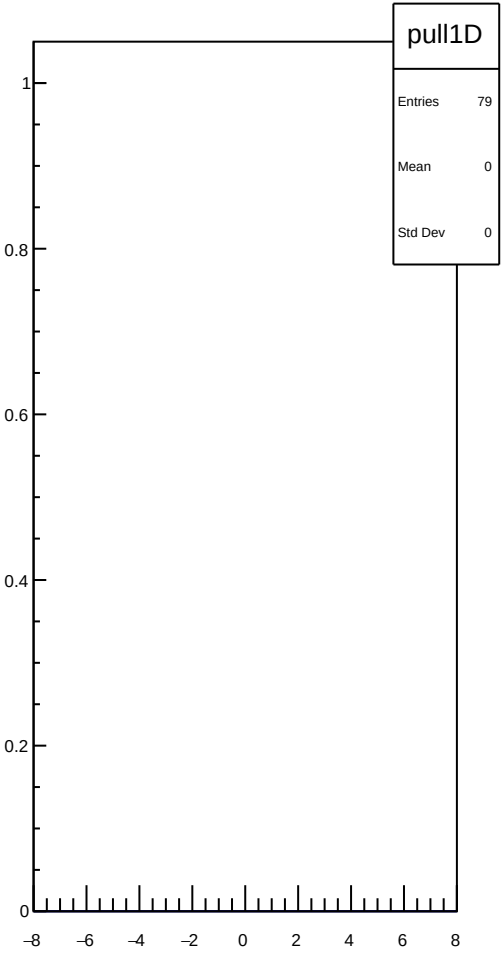


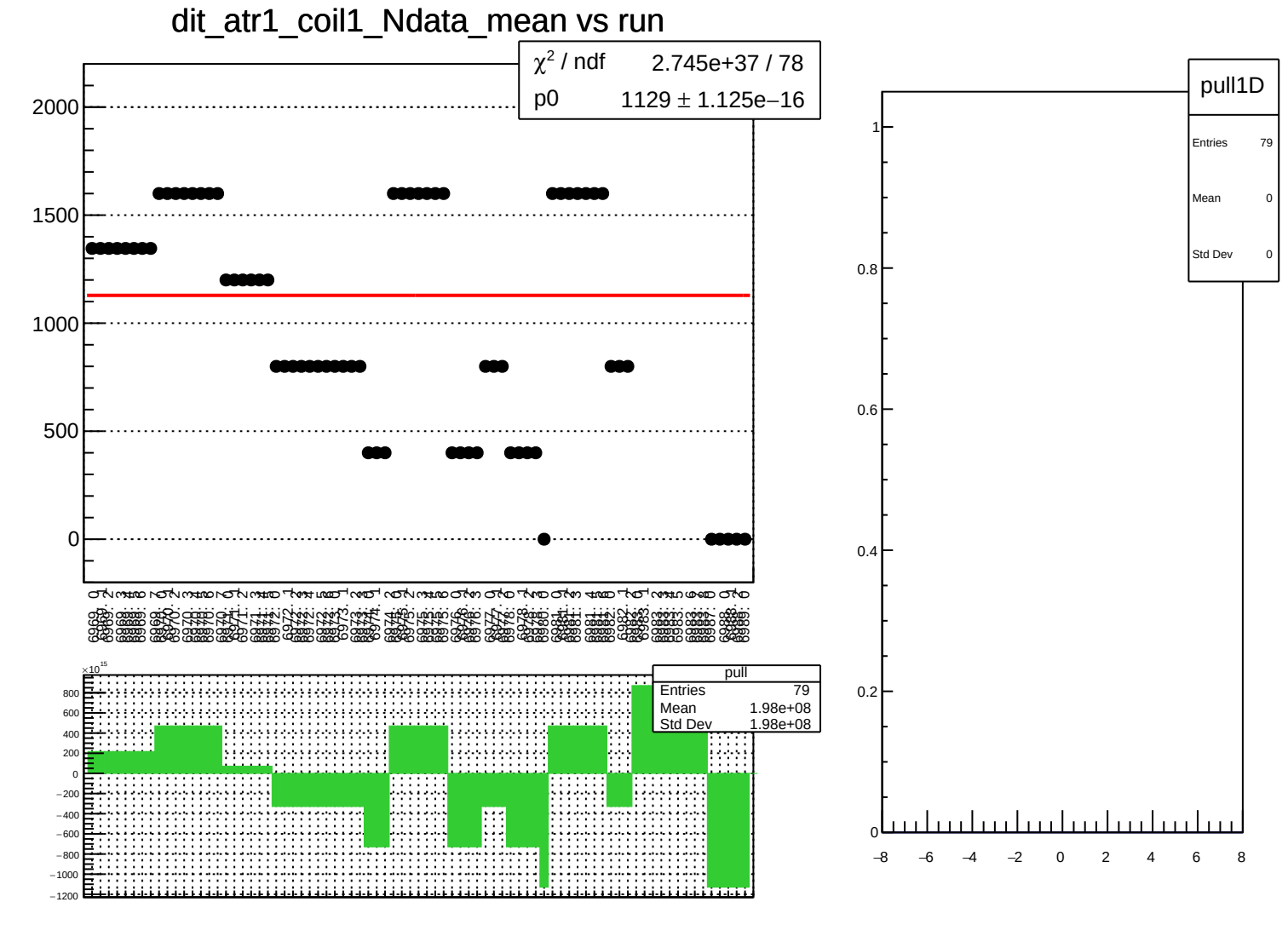


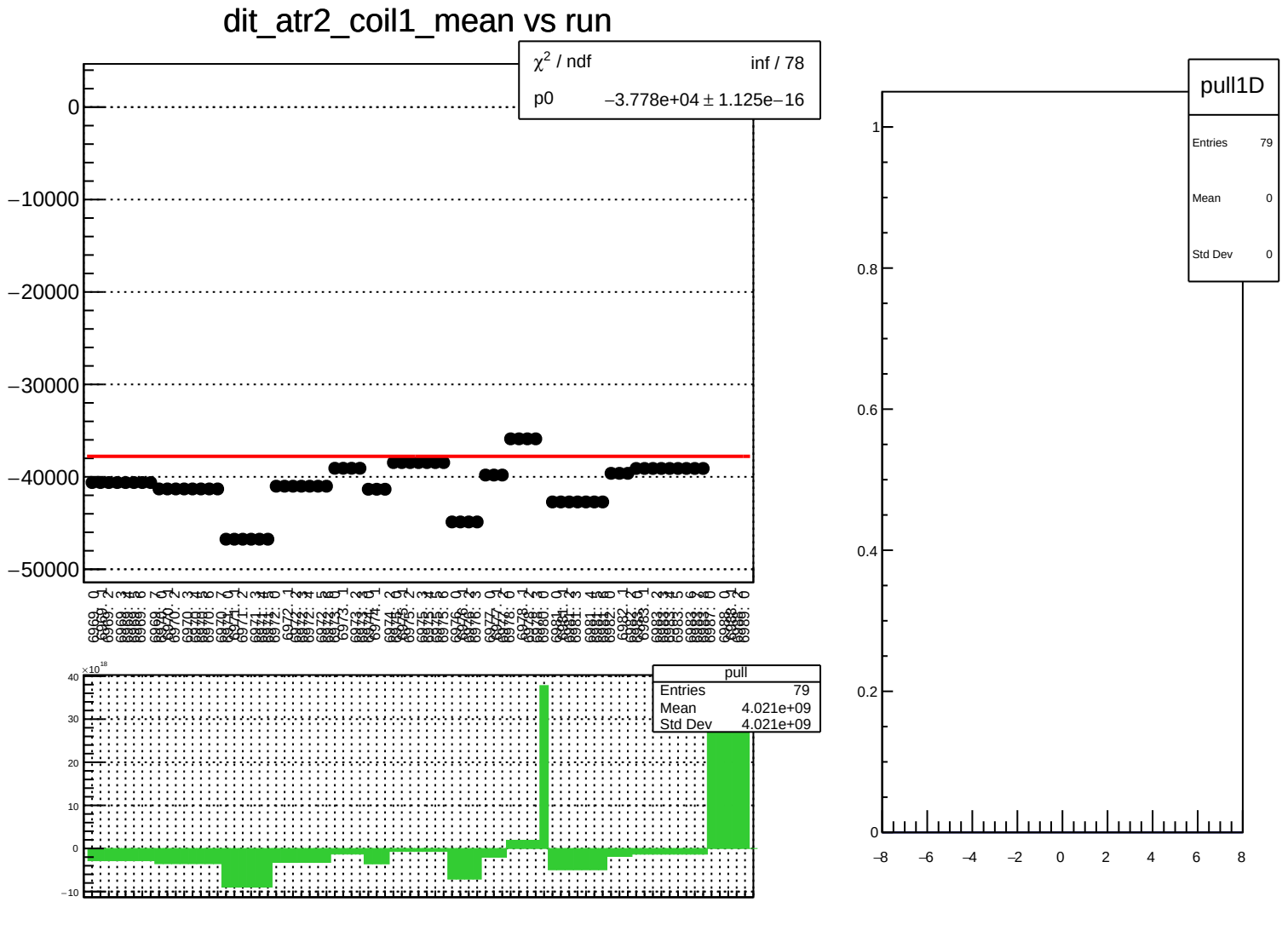

dit_atr1_coil1_mean vs run
χ² / ndf inf / 78
p0 2.794e+04 ± 1.125e−16
35000
30000
25000
20000
15000
10000
5000
0
pull
Entries 79
Mean −2.438e+09
Std Dev 2.438e+09
×10¹⁸
5
0
−5
−10
−15
−20
−25

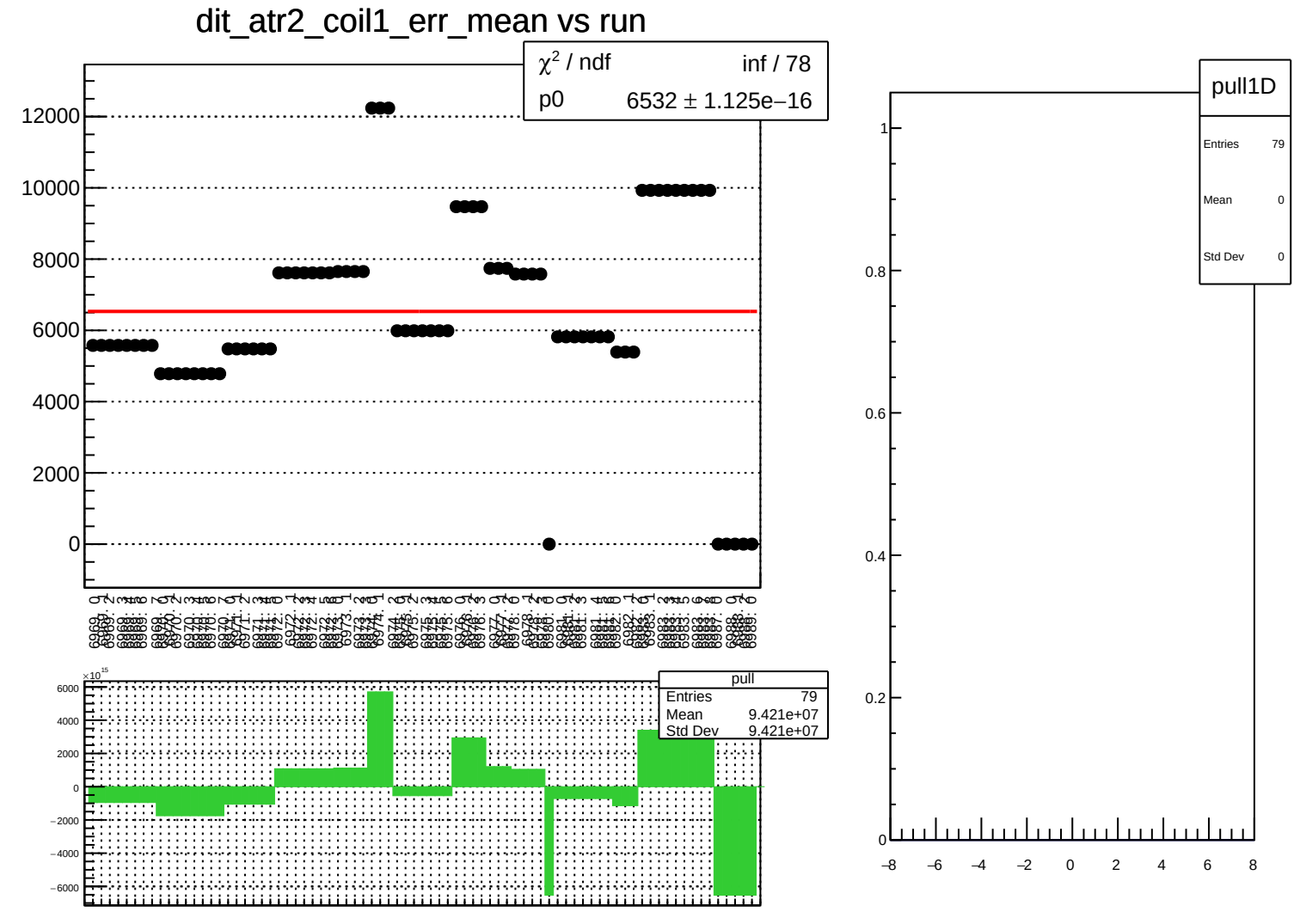

pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

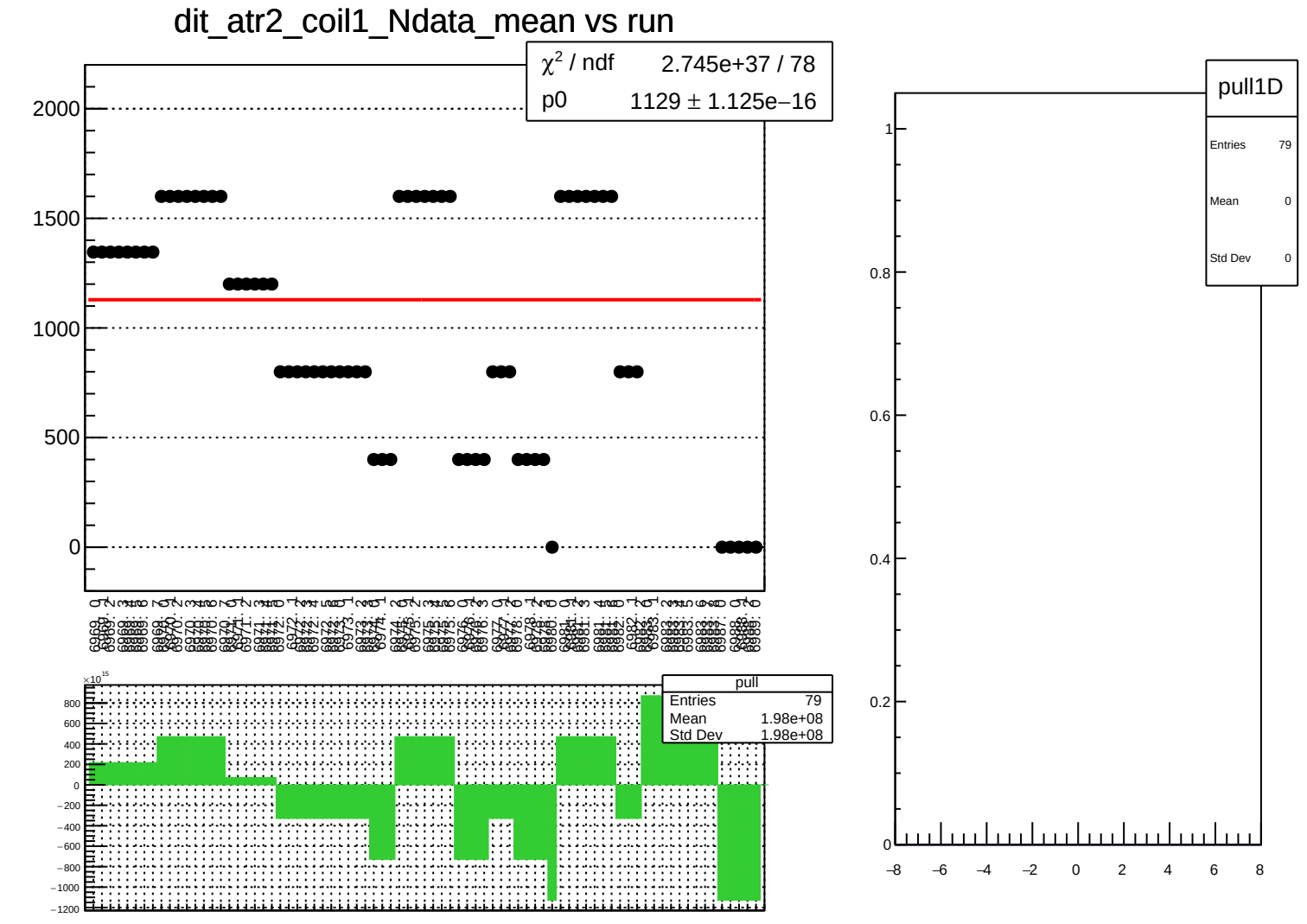

dit_atr1_coil1_err_mean vs run
χ² / ndf 8.046e+36 / 78
p0 774.9 ± 1.125e−16
pull
Entries 79
Mean −1.04e+08
Std Dev 1.04e+08

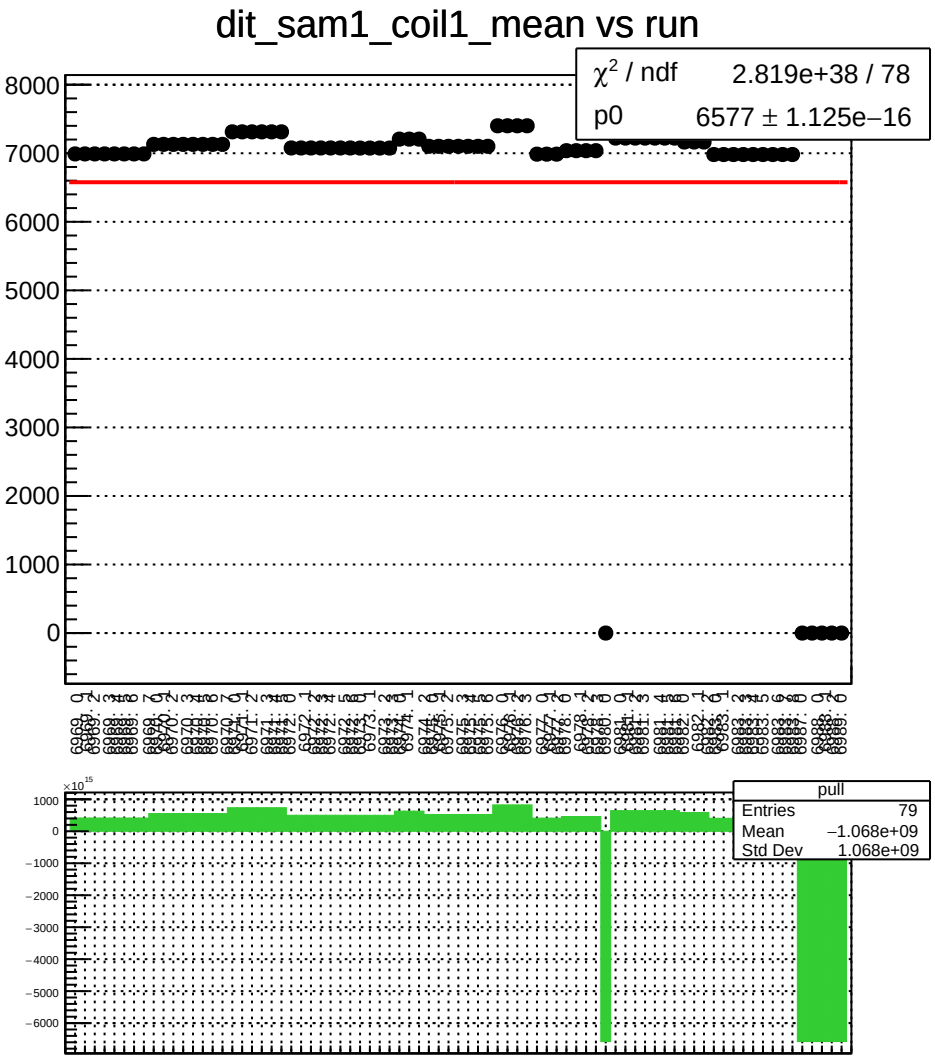

pull1D
Entries 79
Mean 0
Std Dev 0

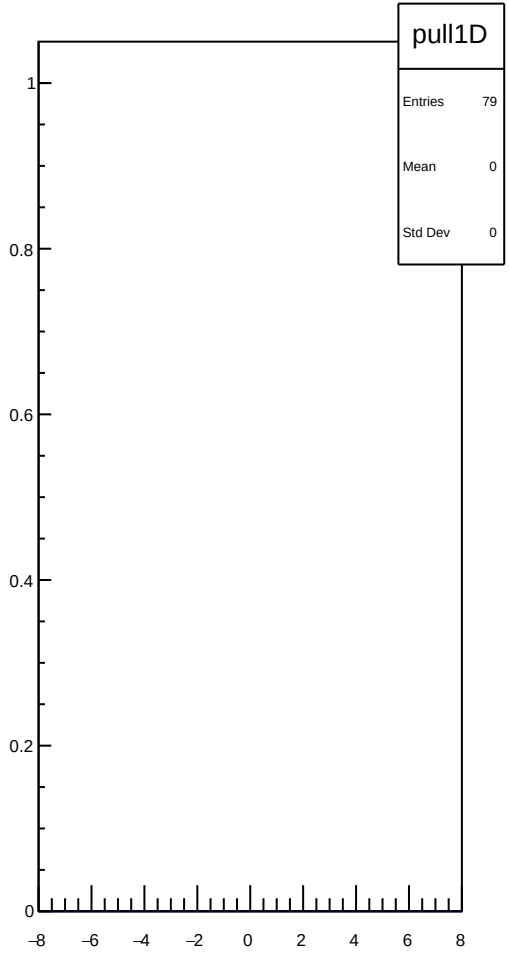

dit_atr1_coil1_Ndata_mean vs run
χ² / ndf 2.745e+37 / 78
p0 1129 ± 1.125e−16
2000
1500
1000
500
0
pull
Entries 79
Mean 1.98e+08
Std Dev 1.98e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

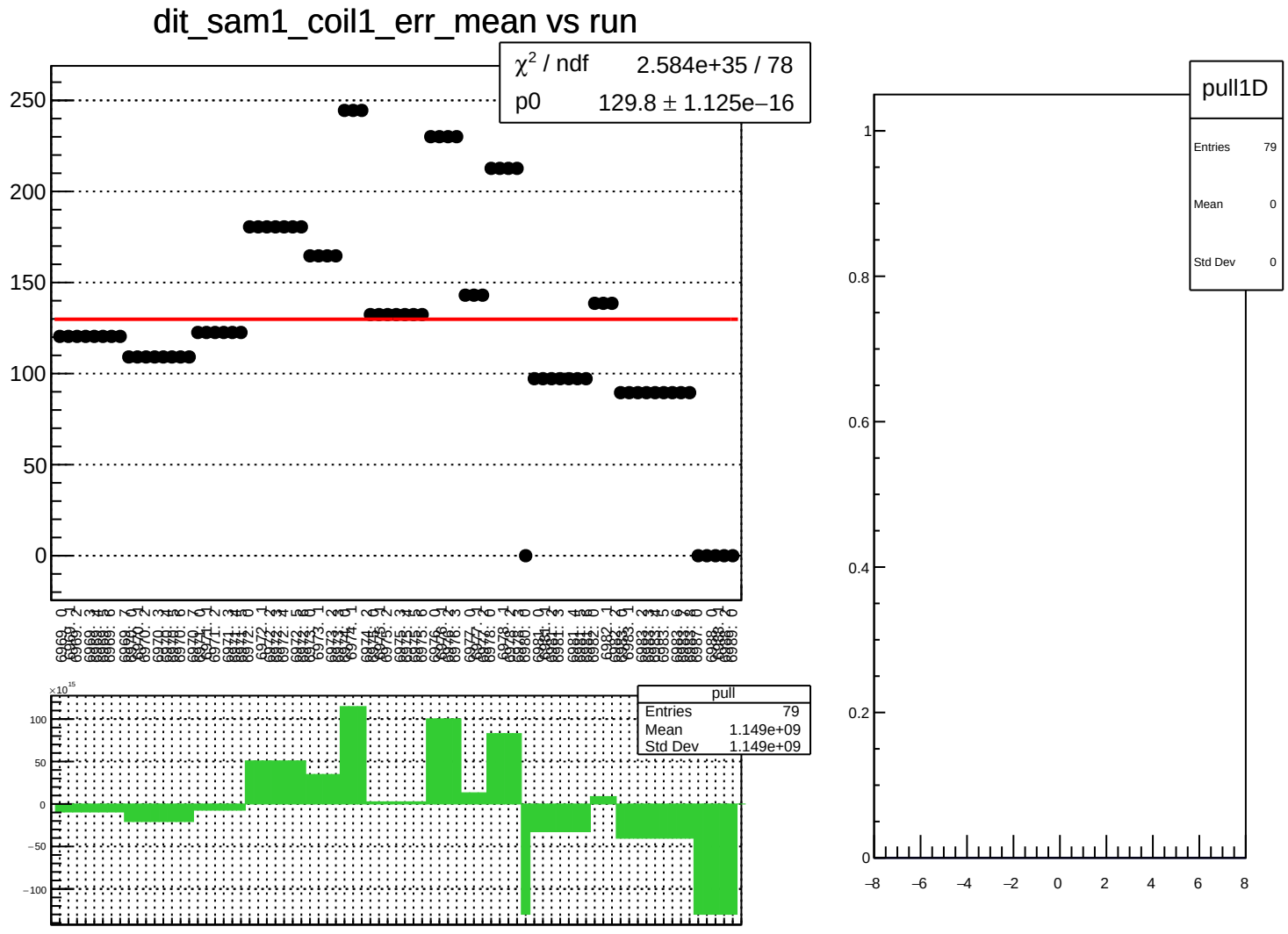

dit_atr2_coil1_mean vs run
χ² / ndf inf / 78
p0 −3.778e+04 ± 1.125e−16
0
−10000
−20000
−30000
−40000
−50000
pull
Entries 79
Mean 4.021e+09
Std Dev 4.021e+09
×10¹⁸
40
30
20
10
0
−10
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

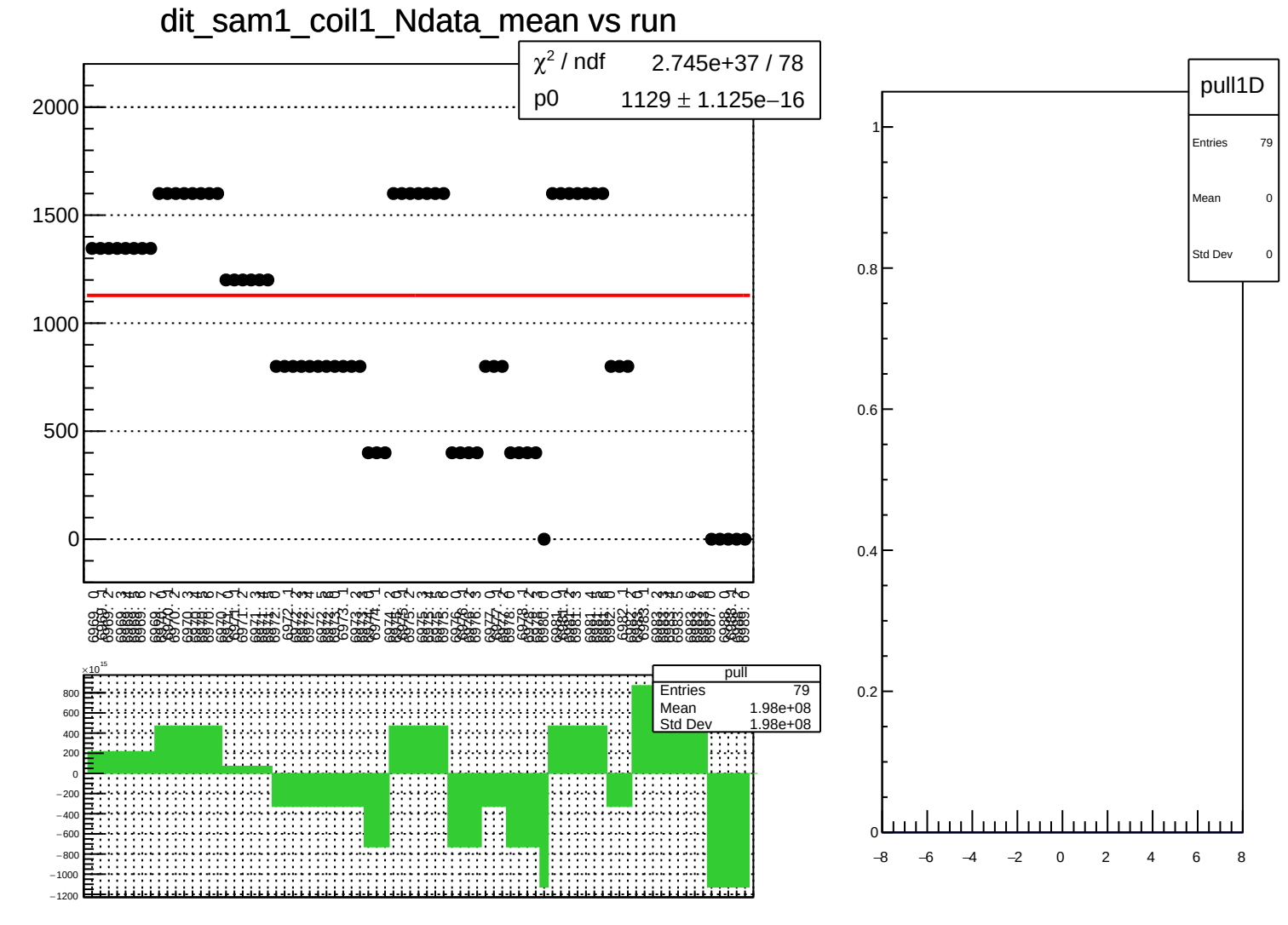

dit_atr2_coil1_err_mean vs run
χ² / ndf inf / 78
p0 6532 ± 1.125e−16
pull
Entries 79
Mean 9.421e+07
Std Dev 9.421e+07
pull1D
Entries 79
Mean 0
Std Dev 0

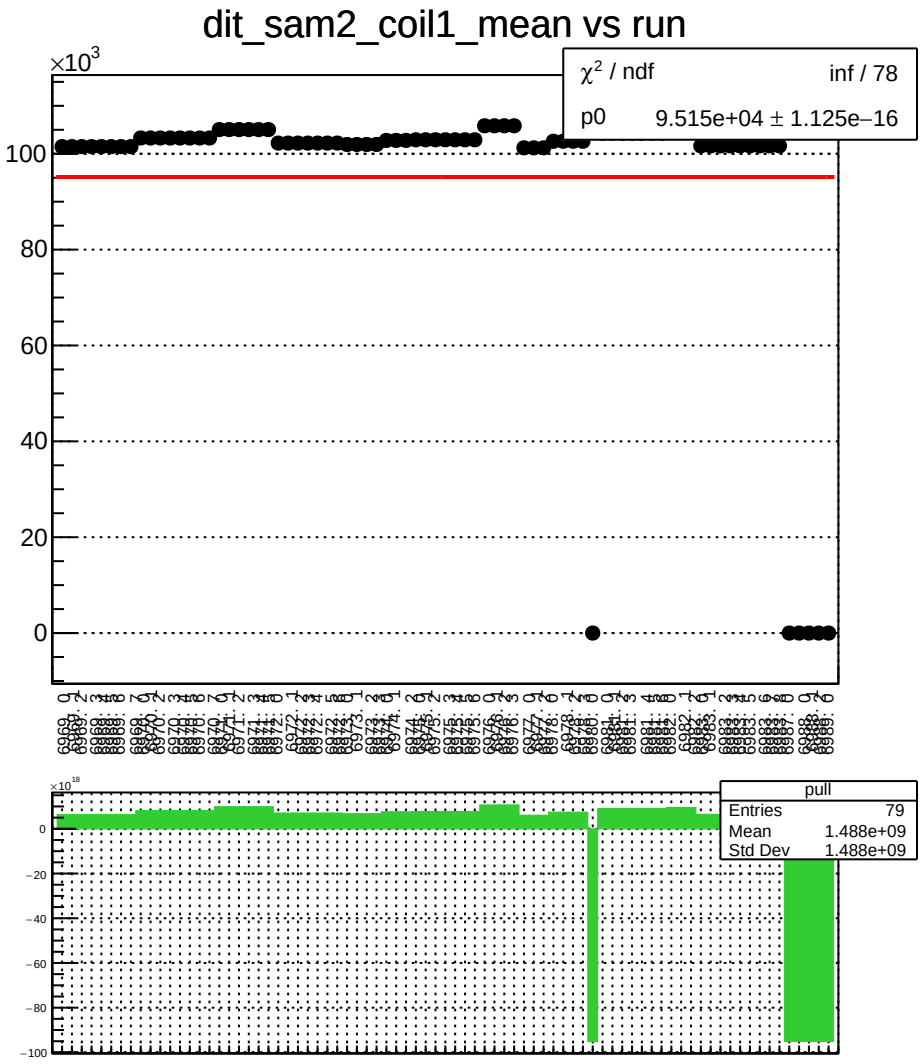

dit_atr2_coil1_Ndata_mean vs run
χ^2 / ndf 2.745e+37 / 78
p0 1129 ± 1.125e−16
2000
1500
1000
500
0
pull
Entries 79
Mean 1.98e+08
Std Dev 1.98e+08
×10^15
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

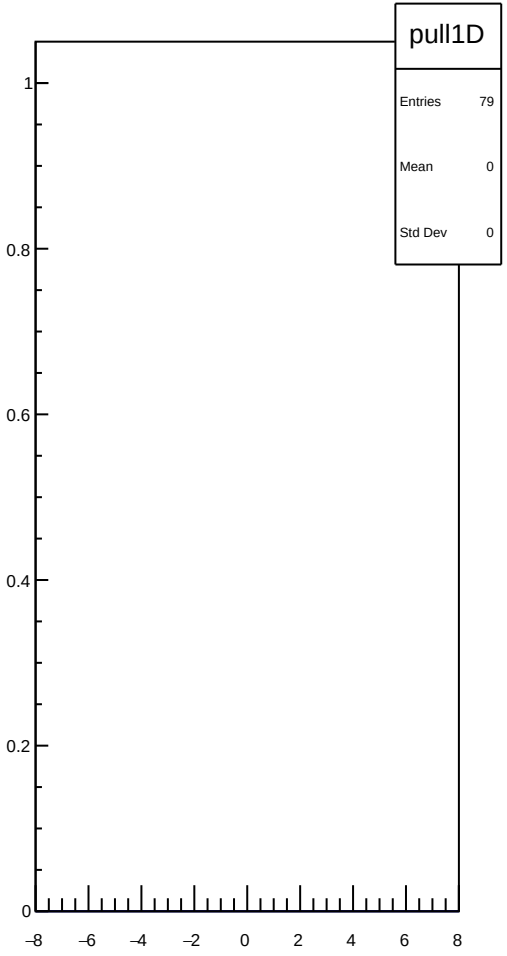

dit_sam1_coil1_mean vs run
χ² / ndf 2.819e+38 / 78
p0 6577 ± 1.125e−16
8000
7000
6000
5000
4000
3000
2000
1000
0
pull
Entries 79
Mean −1.068e+09
Std Dev 1.068e+09
×10¹⁵
1000
0
−1000
−2000
−3000
−4000
−5000
−6000

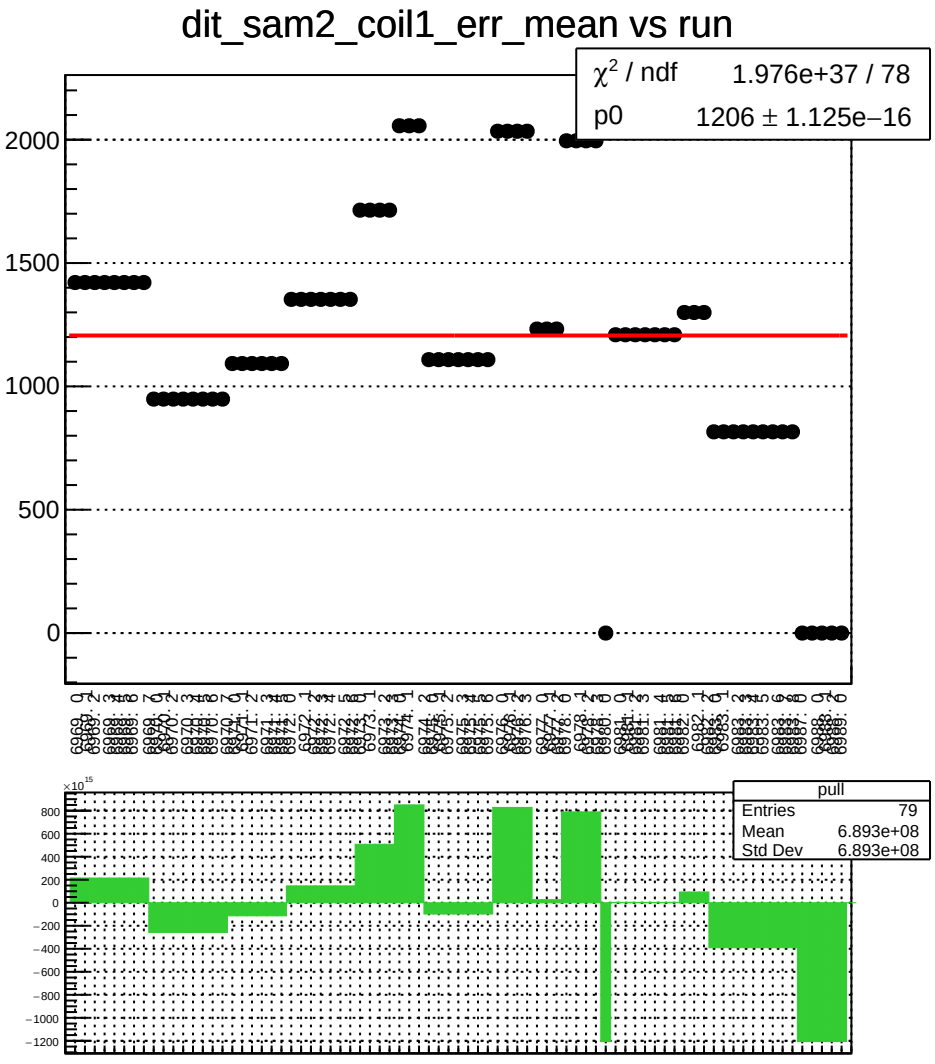

pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

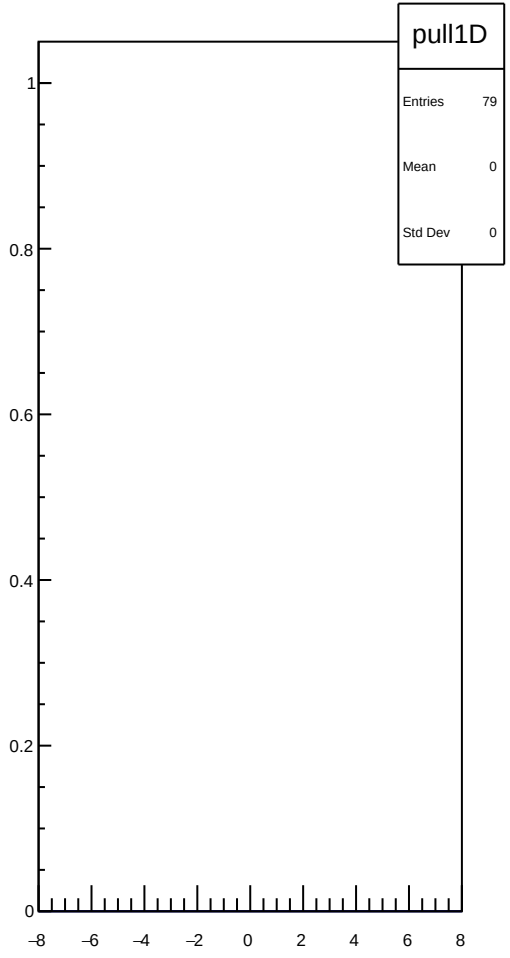

dit_sam1_coil1_err_mean vs run
χ² / ndf 2.584e+35 / 78
p0 129.8 ± 1.125e−16
pull
Entries 79
Mean 1.149e+09
Std Dev 1.149e+09
pull1D
Entries 79
Mean 0
Std Dev 0

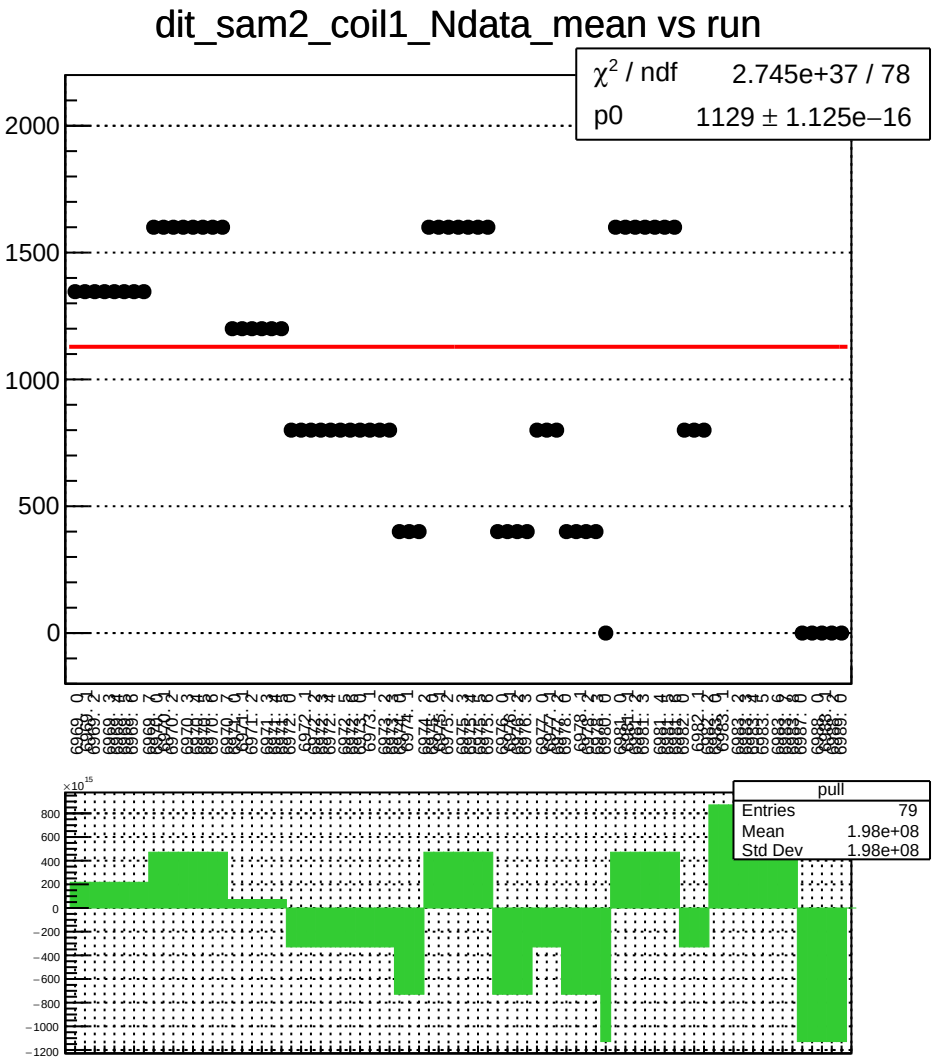

dit_sam1_coil1_Ndata_mean vs run
χ² / ndf 2.745e+37 / 78
p0 1129 ± 1.125e−16
2000
1500
1000
500
0
pull
Entries 79
Mean 1.98e+08
Std Dev 1.98e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

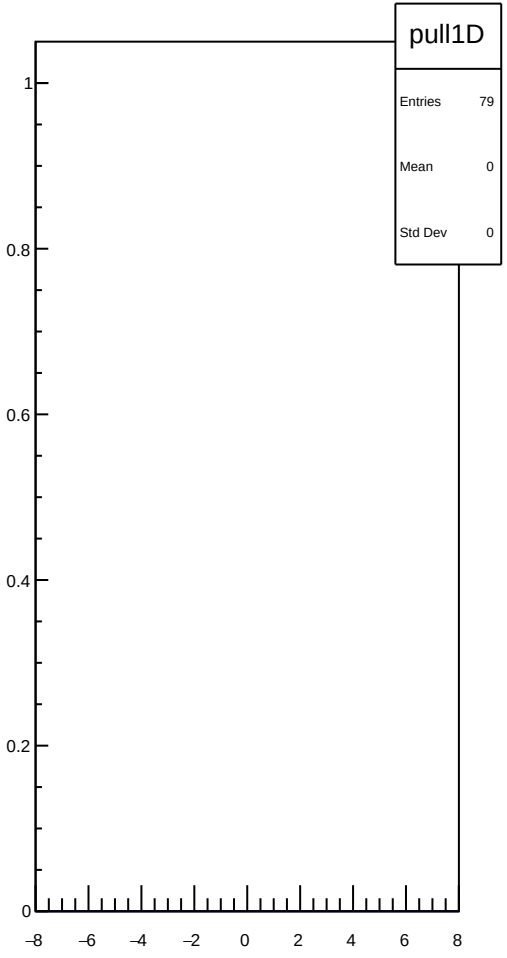

dit_sam2_coil1_mean vs run
×10^3
χ² / ndf inf / 78
p0 9.515e+04 ± 1.125e−16
100
80
60
40
20
0
×10^18
pull
Entries 79
Mean 1.488e+09
Std Dev 1.488e+09
0
−20
−40
−60
−80
−100

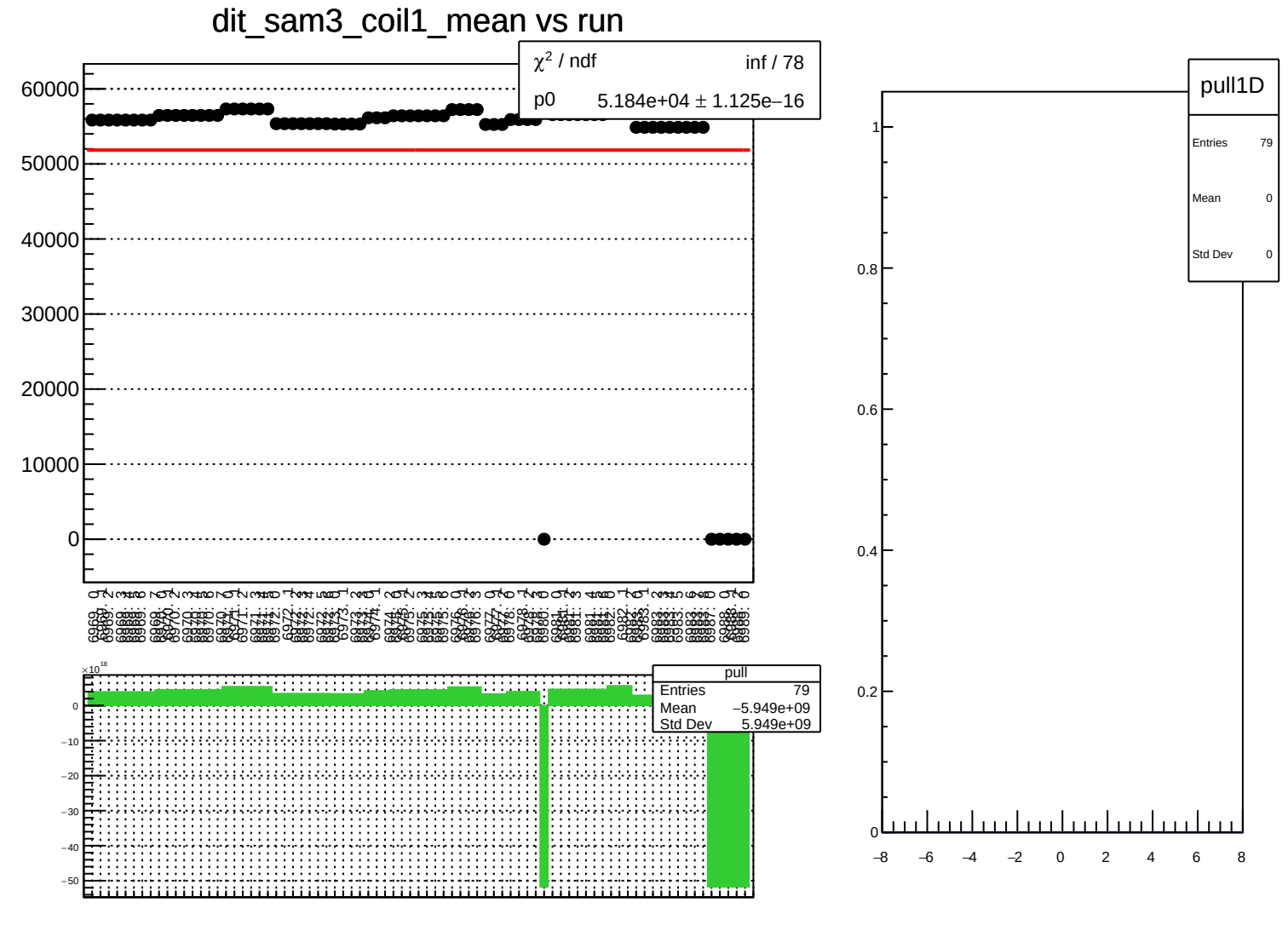

pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

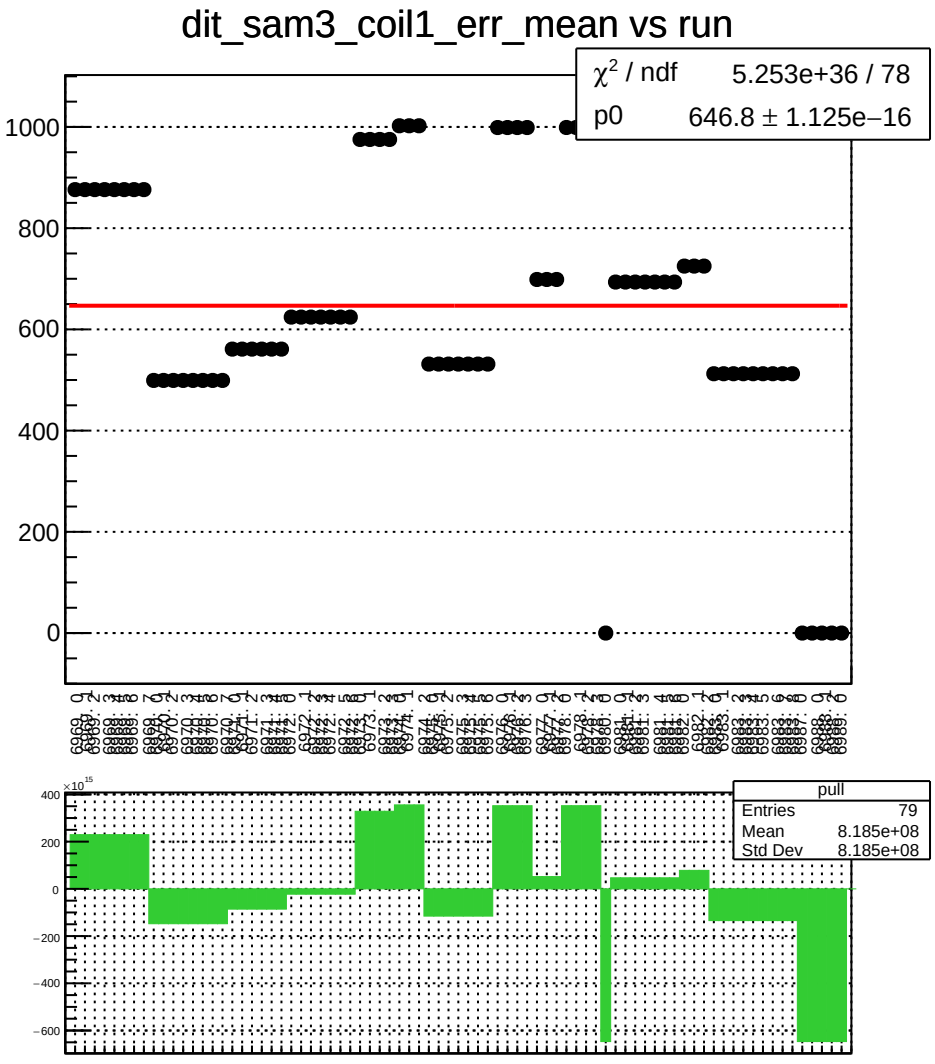

dit_sam2_coil1_err_mean vs run
χ² / ndf 1.976e+37 / 78
p0 1206 ± 1.125e−16
2000
1500
1000
500
0
pull
Entries 79
Mean 6.893e+08
Std Dev 6.893e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

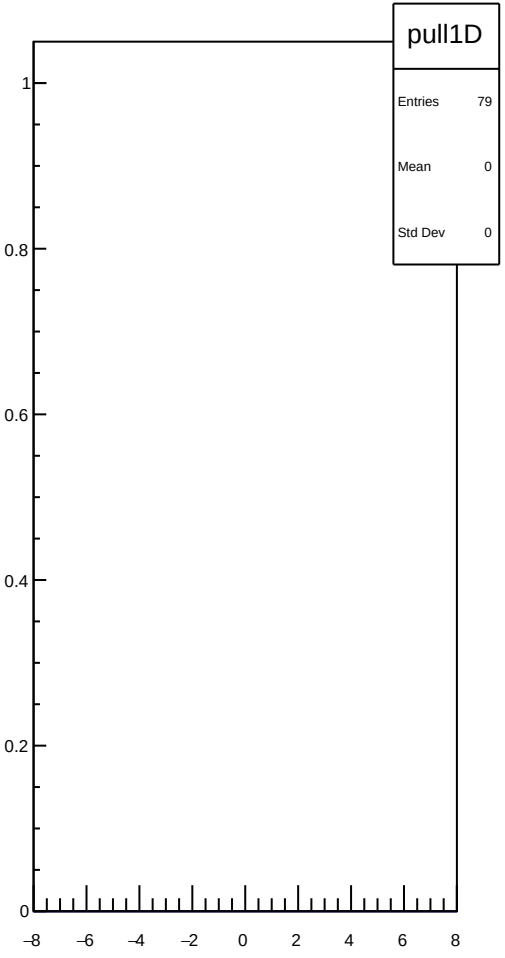

pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

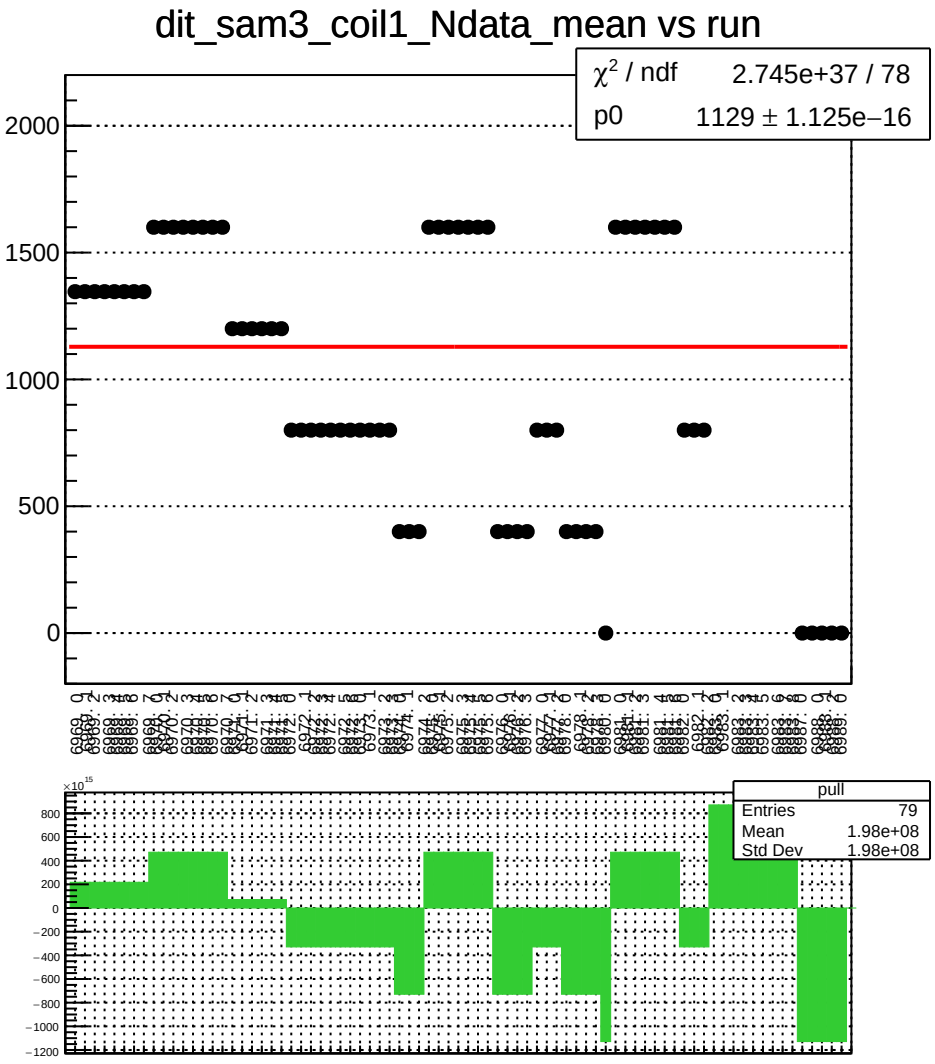

dit_sam2_coil1_Ndata_mean vs run
χ^2 / ndf 2.745e+37 / 78
p0 1129 ± 1.125e−16
2000
1500
1000
500
0
pull
Entries 79
Mean 1.98e+08
Std Dev 1.98e+08
×10^15
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

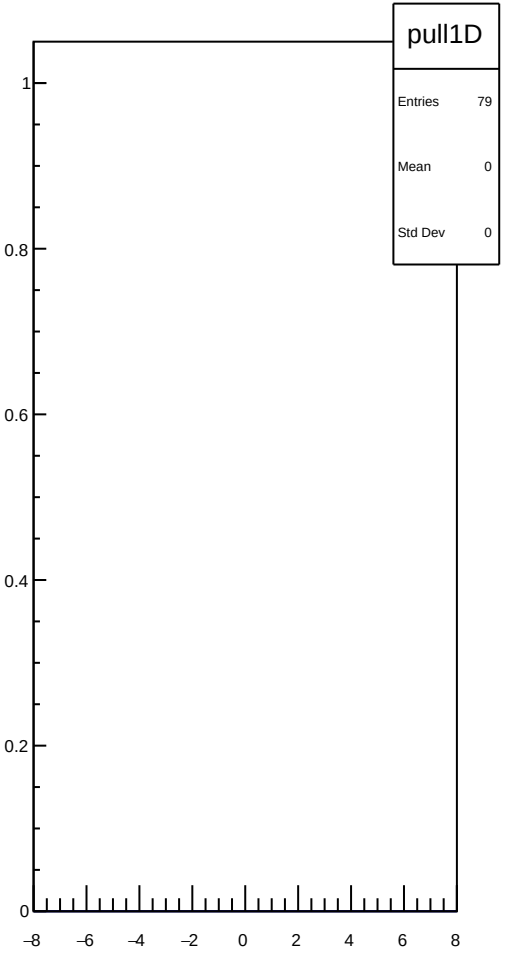

pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

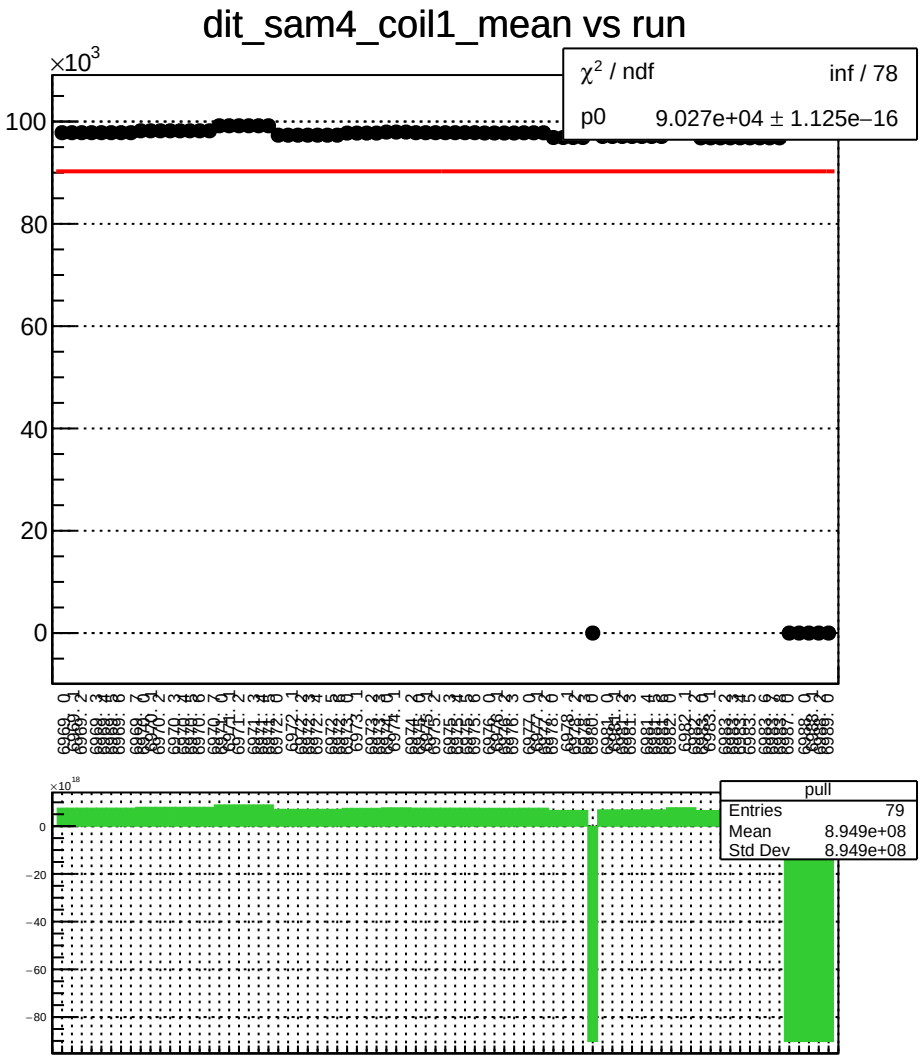

dit_sam3_coil1_mean vs run
χ² / ndf inf / 78
p0 5.184e+04 ± 1.125e−16
60000
50000
40000
30000
20000
10000
0
pull
Entries 79
Mean −5.949e+09
Std Dev 5.949e+09
×10¹⁸
0
−10
−20
−30
−40
−50
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

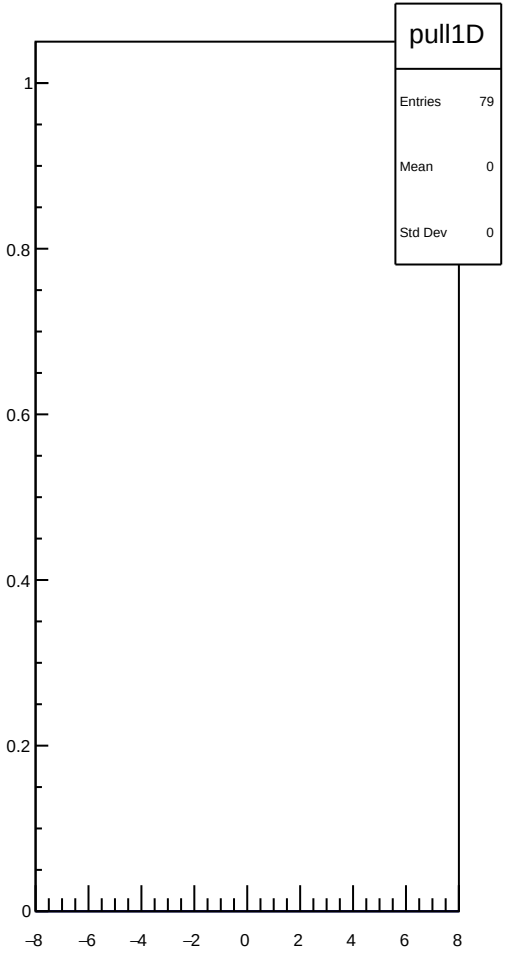

dit_sam3_coil1_err_mean vs run
χ^2 / ndf 5.253e+36 / 78
p0 646.8 ± 1.125e−16
1000
800
600
400
200
0
pull
Entries 79
Mean 8.185e+08
Std Dev 8.185e+08
400
200
0
−200
−400
−600

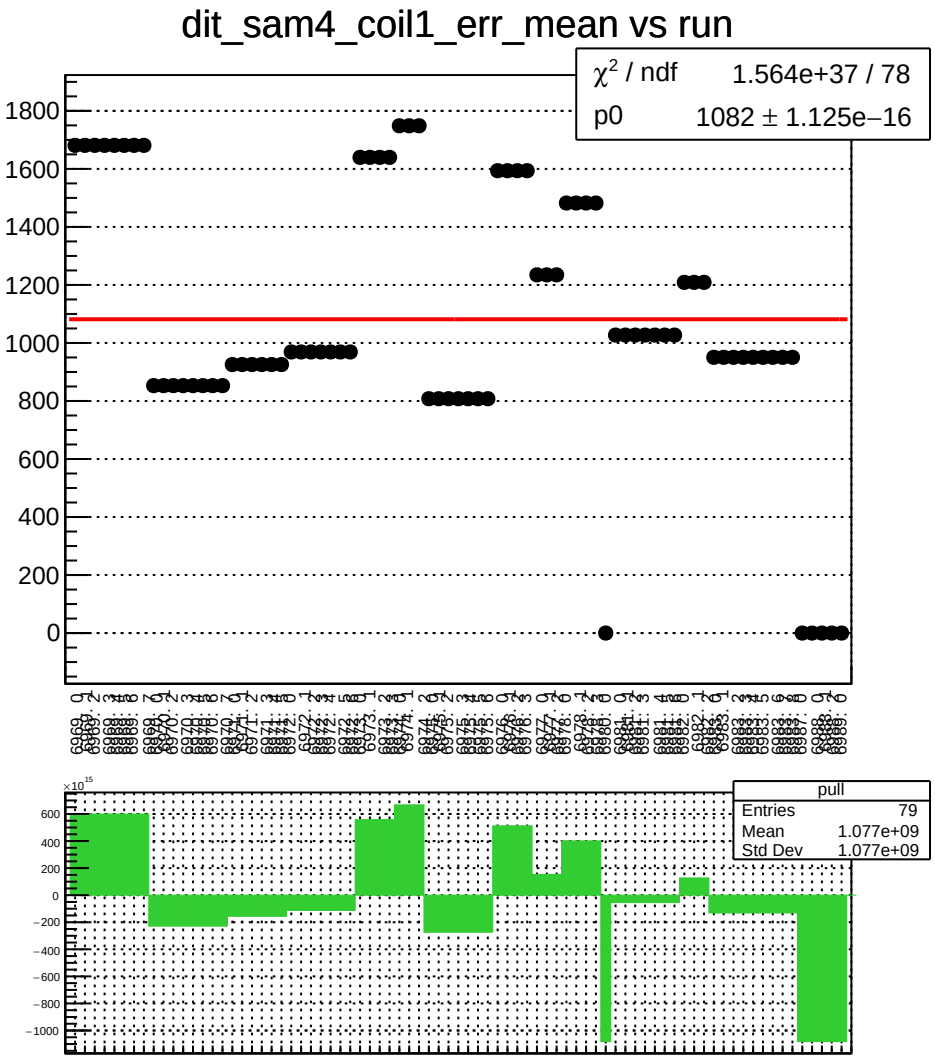

pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

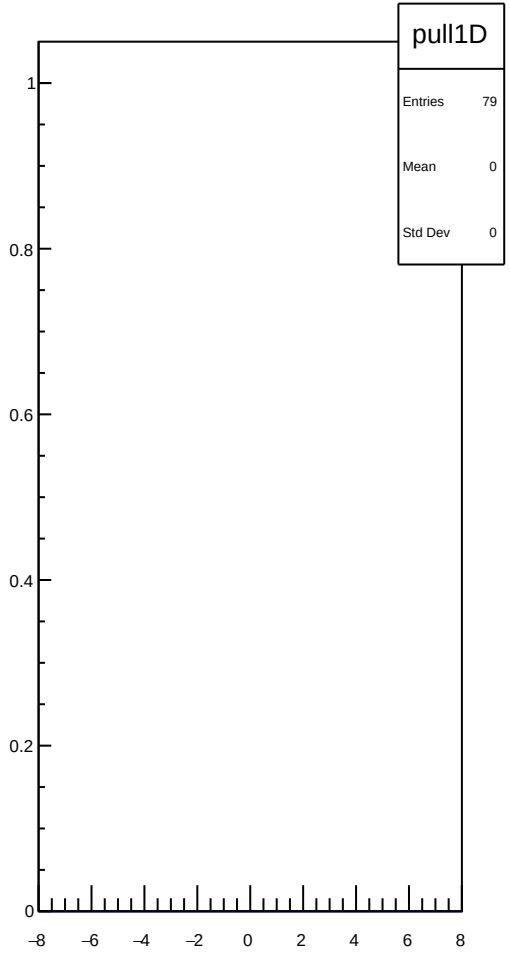

dit_sam3_coil1_Ndata_mean vs run
χ^2 / ndf 2.745e+37 / 78
p0 1129 ± 1.125e−16
2000
1500
1000
500
0
pull
Entries 79
Mean 1.98e+08
Std Dev 1.98e+08
×10^15
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

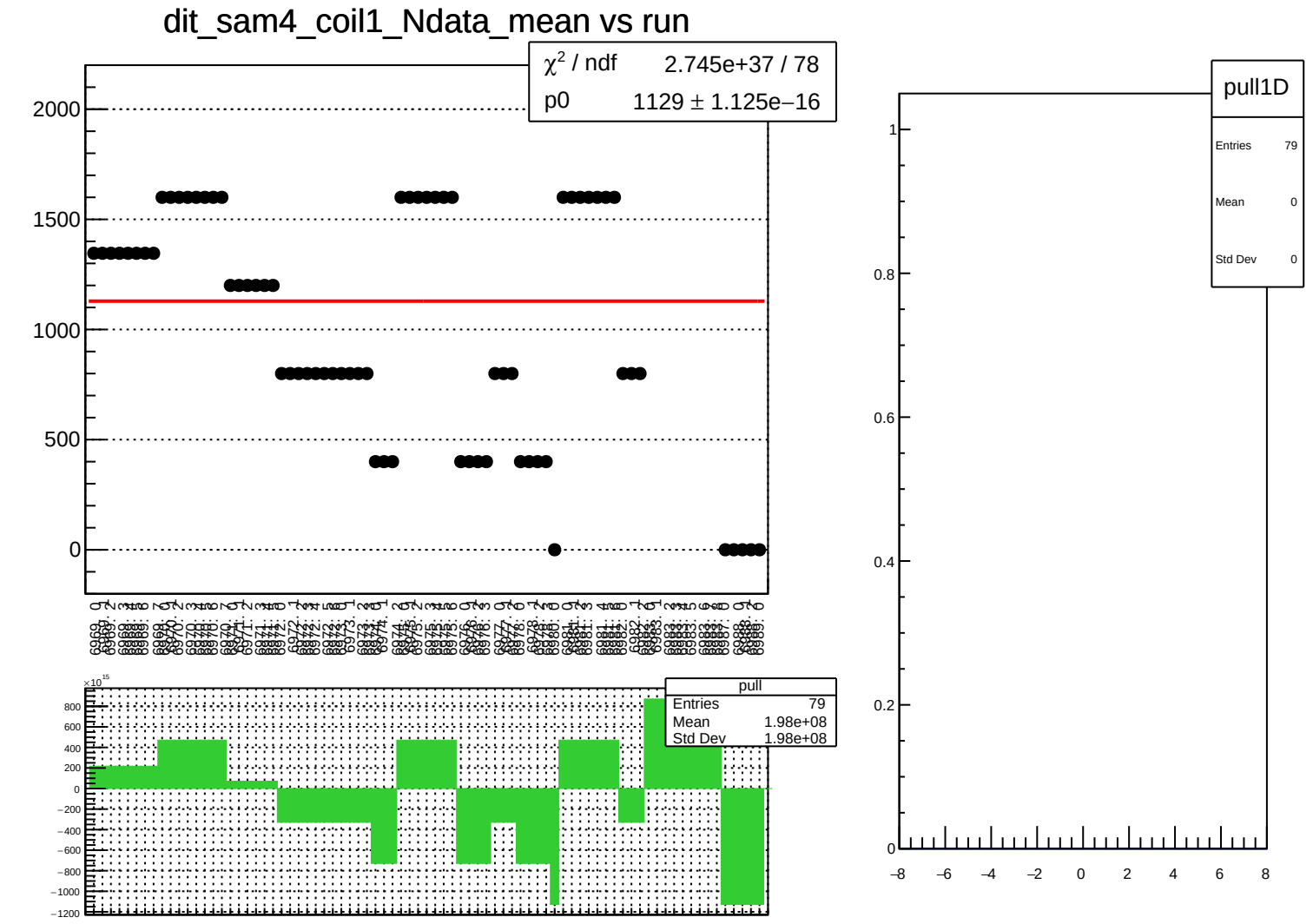

pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

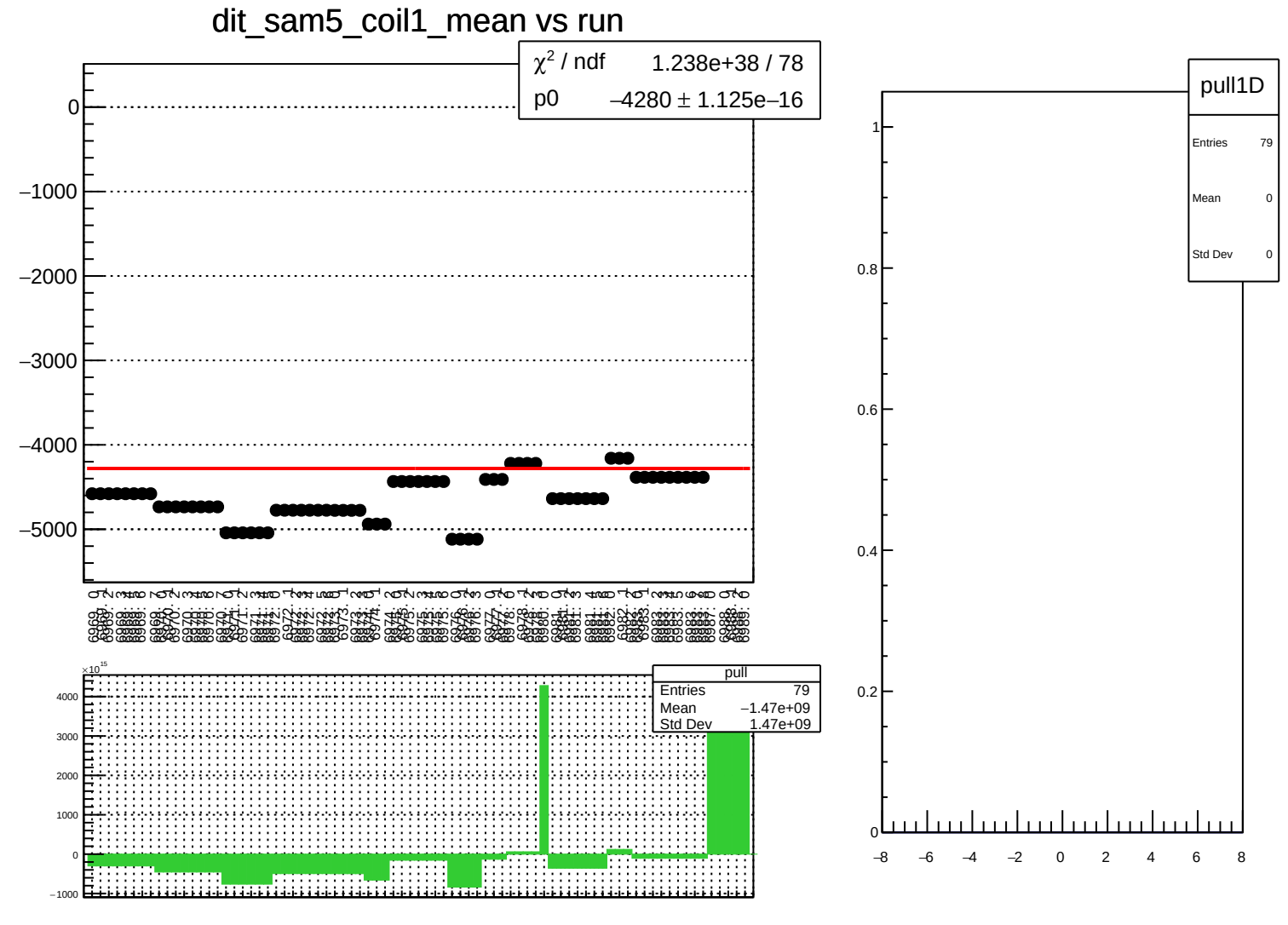

dit_sam4_coil1_mean vs run
×10^3
χ² / ndf inf / 78
p0 9.027e+04 ± 1.125e−16
100
80
60
40
20
0
pull
Entries 79
Mean 8.949e+08
Std Dev 8.949e+08
×10^18
0
−20
−40
−60
−80

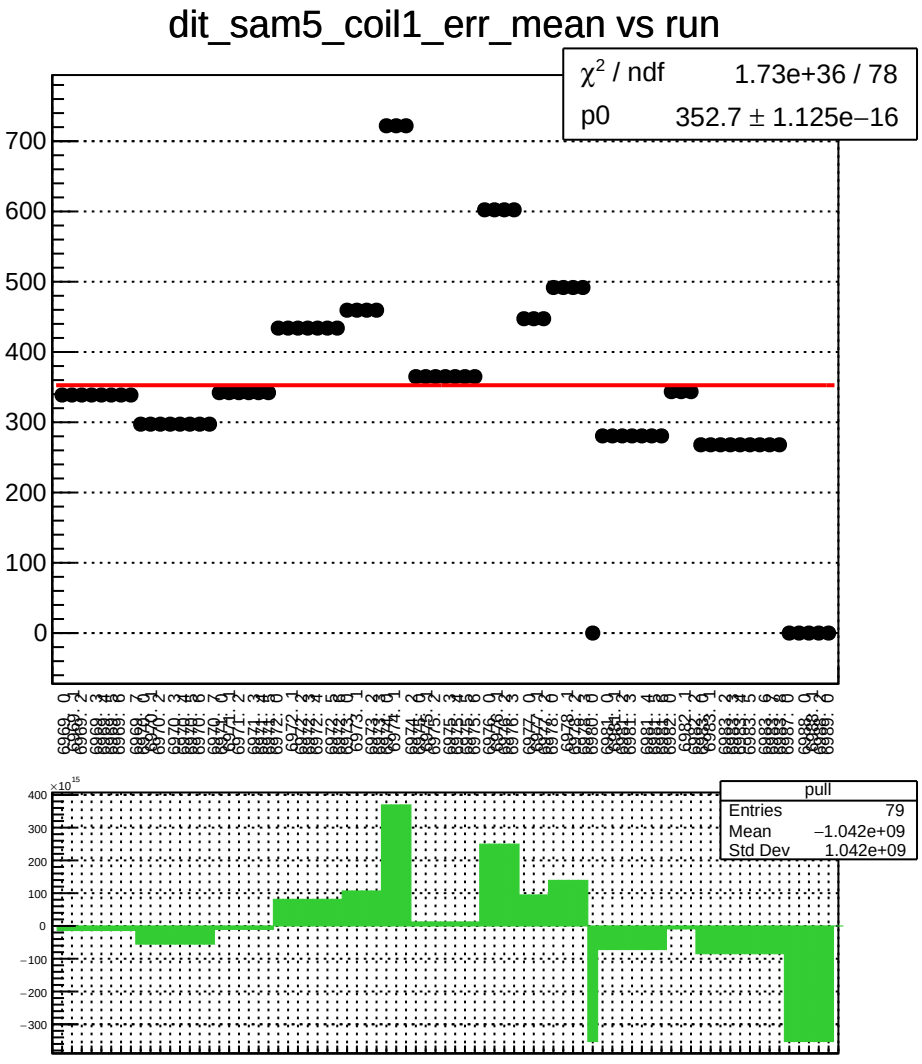

pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

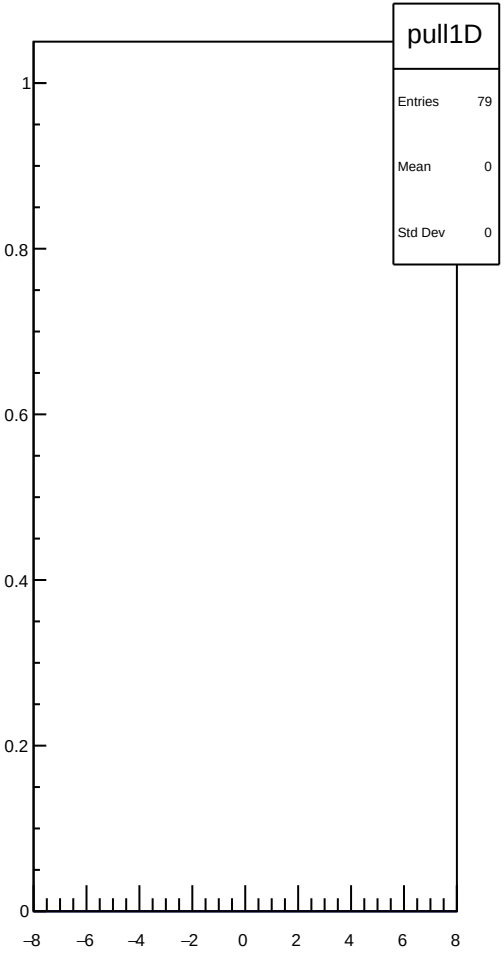

dit_sam4_coil1_err_mean vs run
χ² / ndf 1.564e+37 / 78
p0 1082 ± 1.125e−16
pull
Entries 79
Mean 1.077e+09
Std Dev 1.077e+09

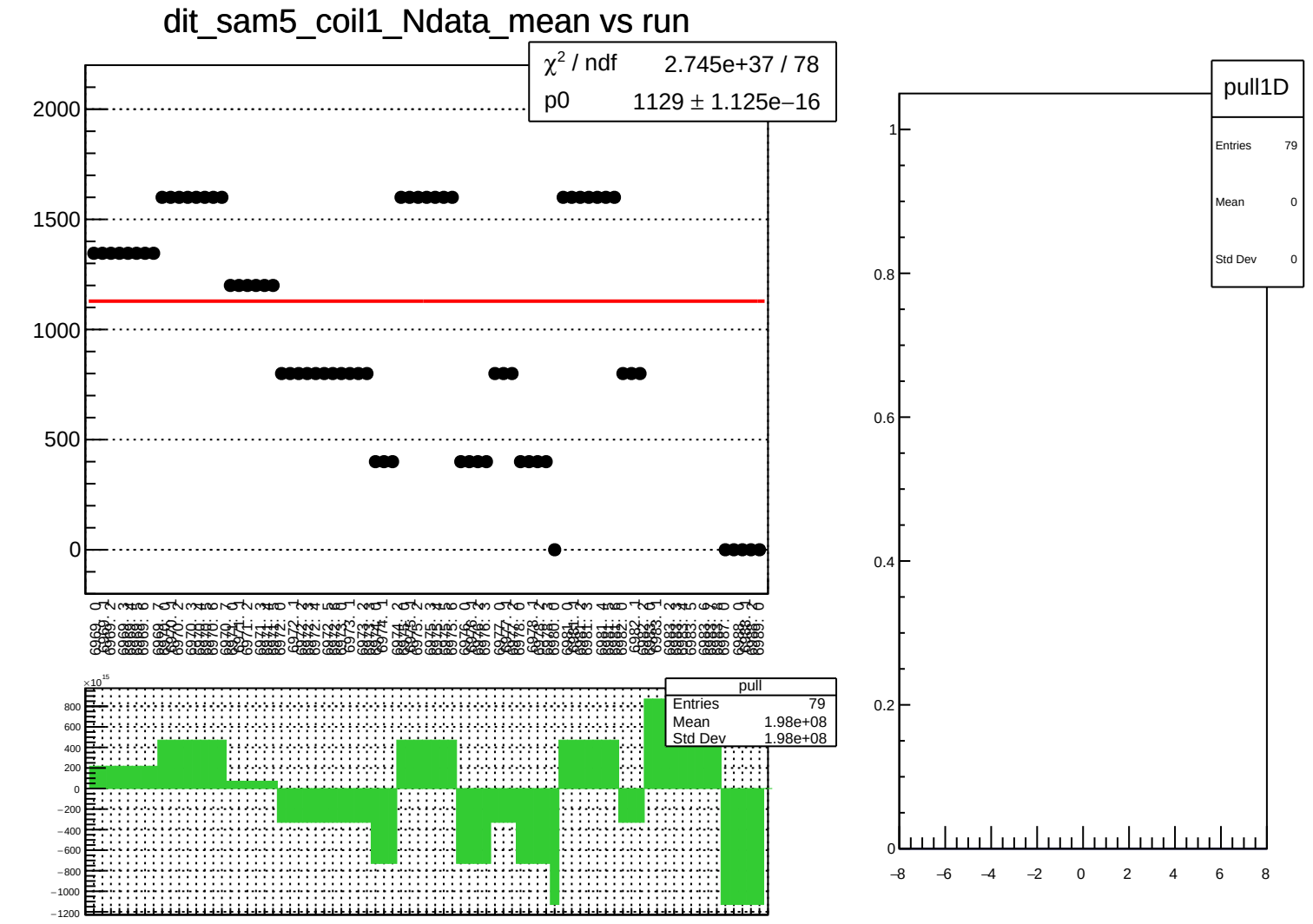

pull1D
Entries 79
Mean 0
Std Dev 0

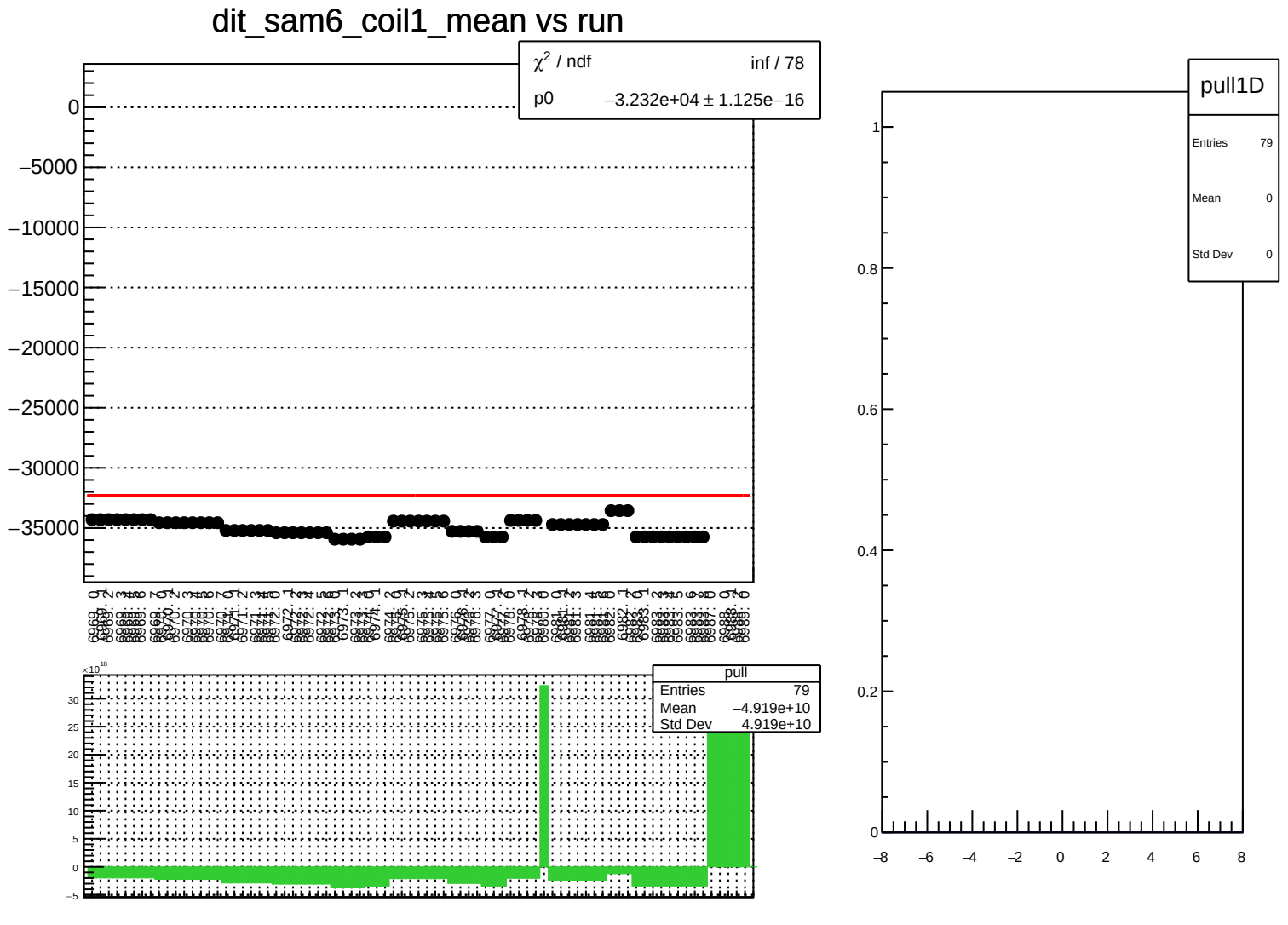

dit_sam4_coil1_Ndata_mean vs run
χ² / ndf 2.745e+37 / 78
p0 1129 ± 1.125e−16
2000
1500
1000
500
0
pull
Entries 79
Mean 1.98e+08
Std Dev 1.98e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

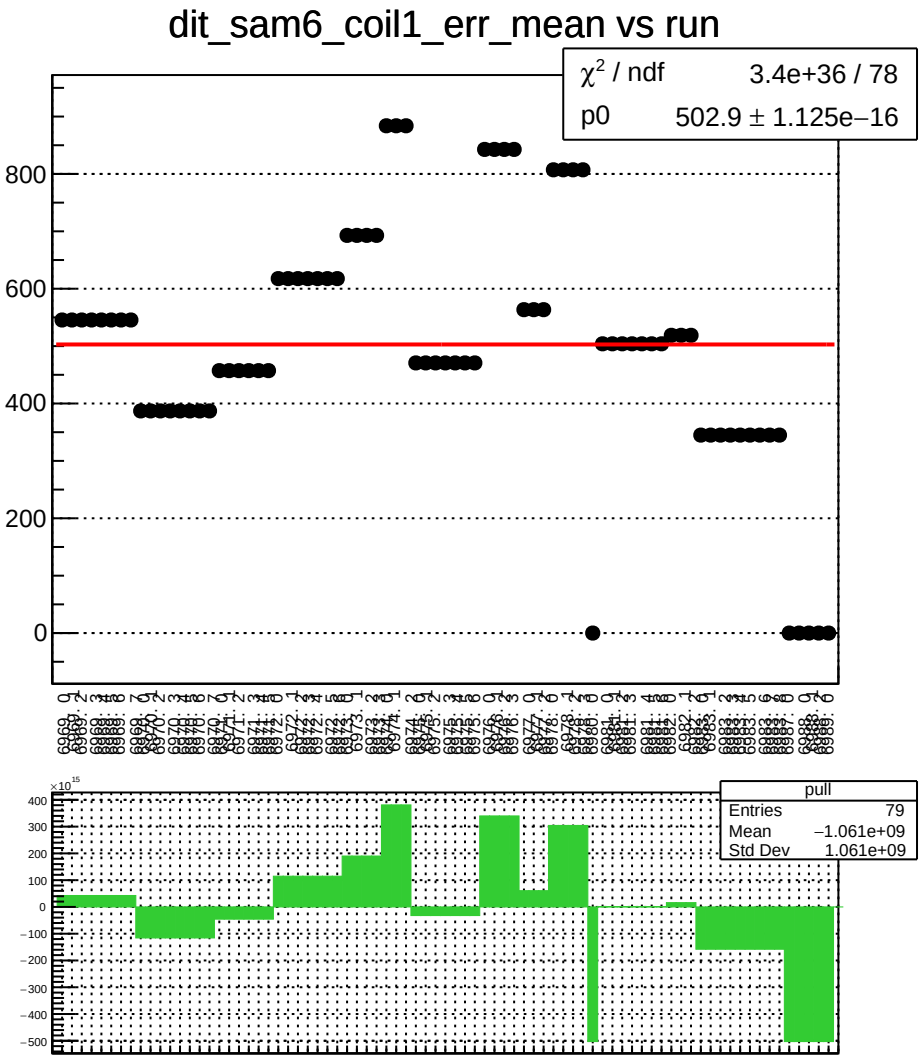

dit_sam5_coil1_mean vs run
χ² / ndf 1.238e+38 / 78
p0 –4280 ± 1.125e–16
0
–1000
–2000
–3000
–4000
–5000
pull
Entries 79
Mean –1.47e+09
Std Dev 1.47e+09
×10¹⁵
4000
3000
2000
1000
0
–1000
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

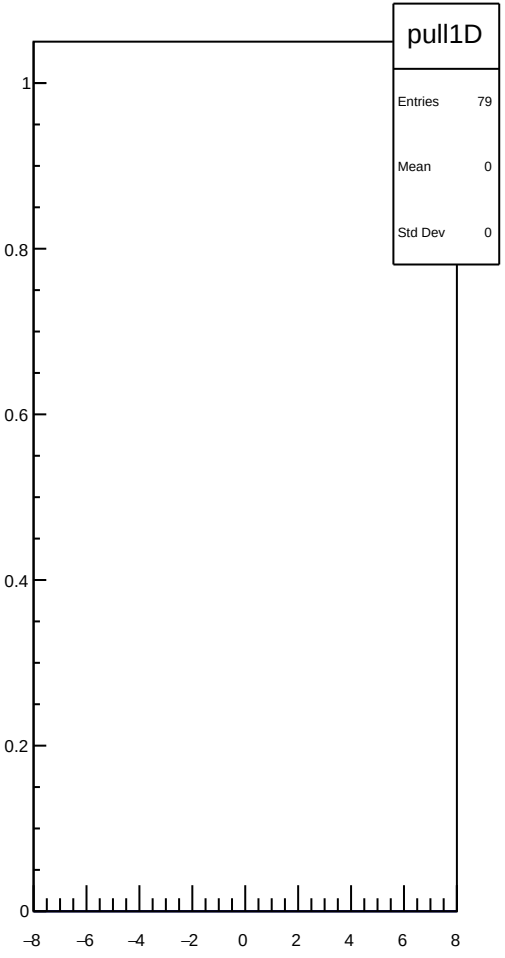

dit_sam5_coil1_err_mean vs run
χ² / ndf 1.73e+36 / 78
p0 352.7 ± 1.125e−16
pull
Entries 79
Mean −1.042e+09
Std Dev 1.042e+09

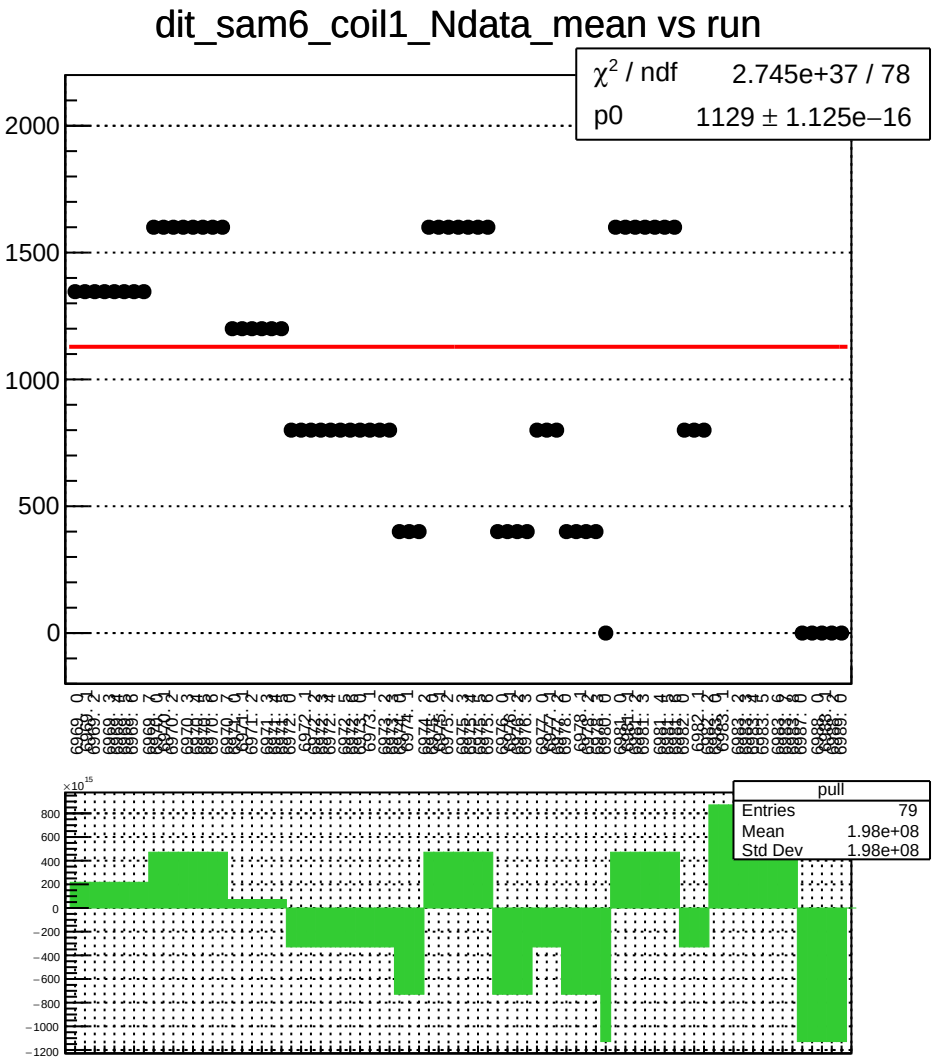

pull1D
Entries 79
Mean 0
Std Dev 0

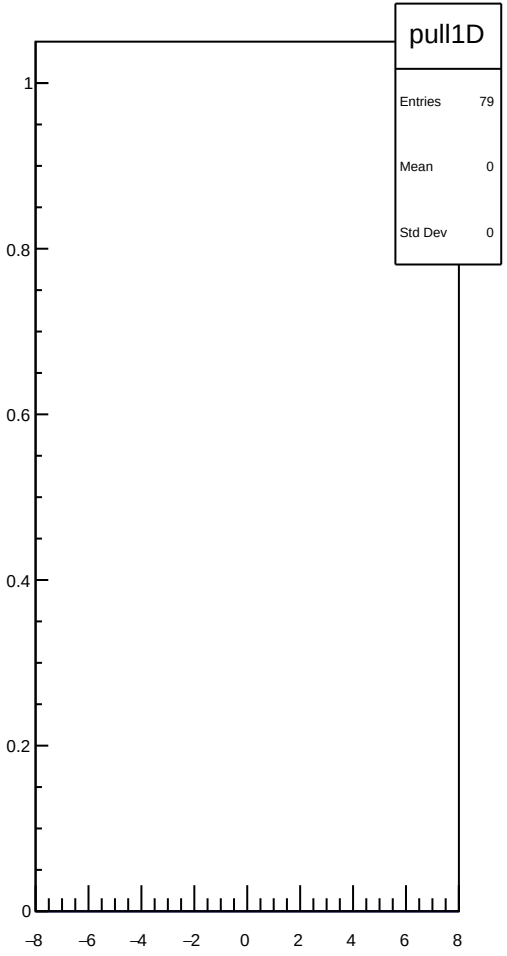

dit_sam5_coil1_Ndata_mean vs run
χ² / ndf 2.745e+37 / 78
p0 1129 ± 1.125e−16
2000
1500
1000
500
0
pull
Entries 79
Mean 1.98e+08
Std Dev 1.98e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

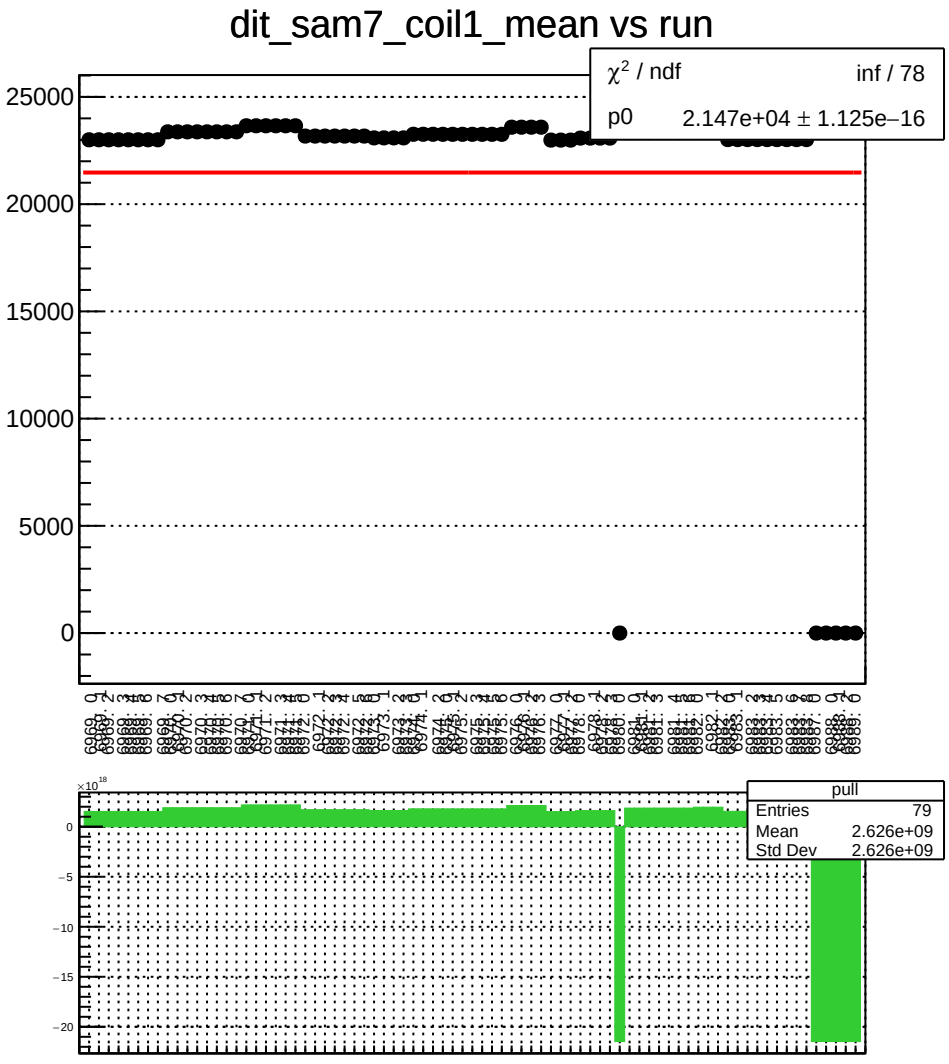

dit_sam6_coil1_mean vs run
χ² / ndf inf / 78
p0 −3.232e+04 ± 1.125e−16
0
−5000
−10000
−15000
−20000
−25000
−30000
−35000
pull
Entries 79
Mean −4.919e+10
Std Dev 4.919e+10
×10¹⁸
30
25
20
15
10
5
0
−5
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

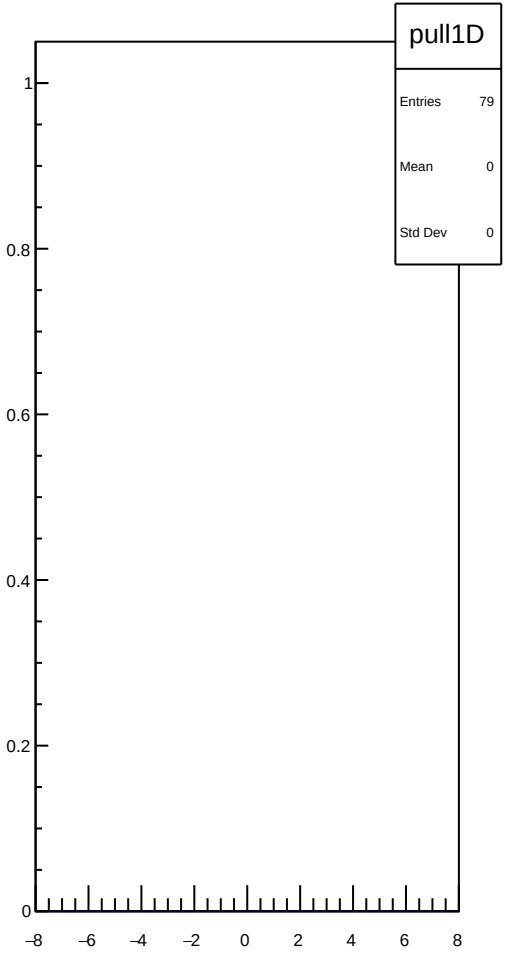

dit_sam6_coil1_err_mean vs run
χ^2 / ndf 3.4e+36 / 78
p0 502.9 ± 1.125e−16
800
600
400
200
0
pull
Entries 79
Mean −1.061e+09
Std Dev 1.061e+09
×10^15
400
300
200
100
0
−100
−200
−300
−400
−500

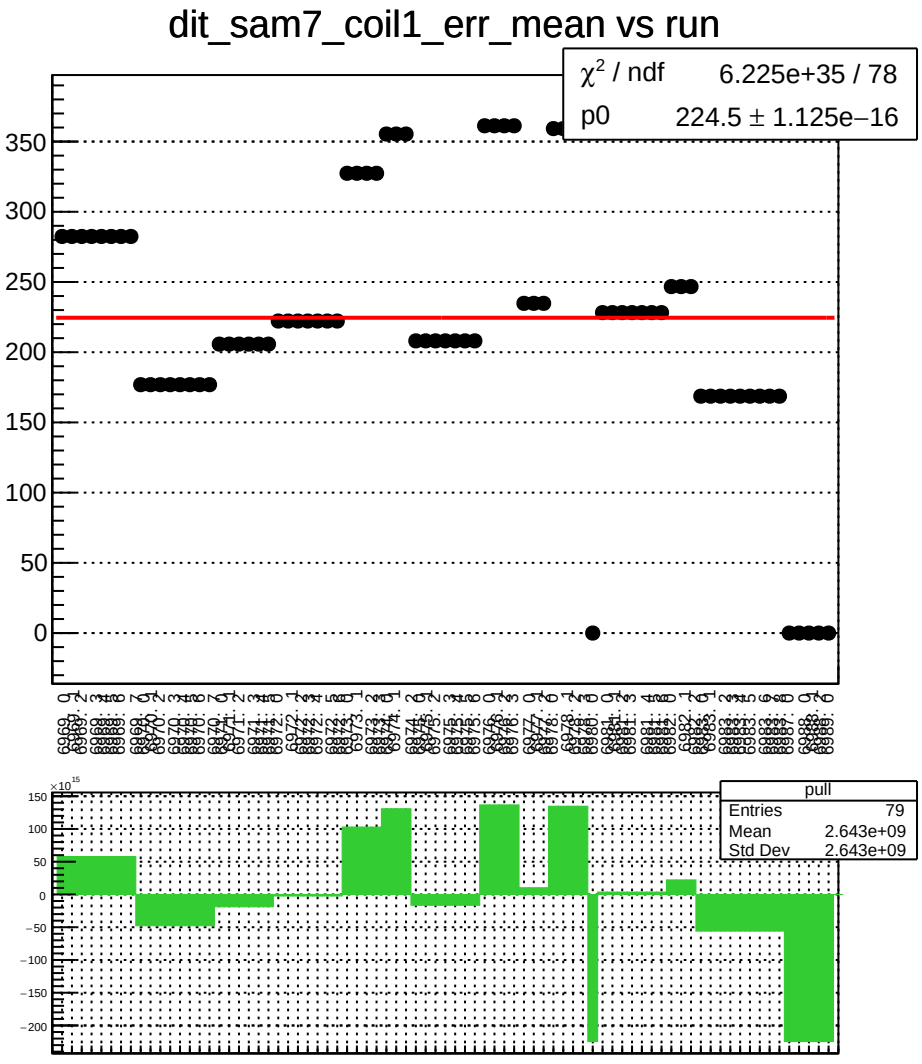

pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

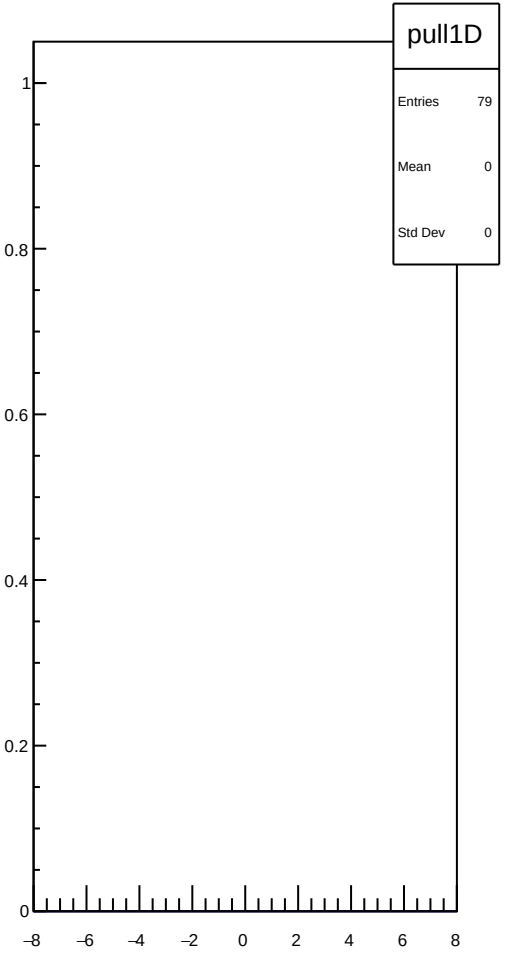

dit_sam6_coil1_Ndata_mean vs run
χ^2 / ndf 2.745e+37 / 78
p0 1129 ± 1.125e−16
2000
1500
1000
500
0
pull
Entries 79
Mean 1.98e+08
Std Dev 1.98e+08
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

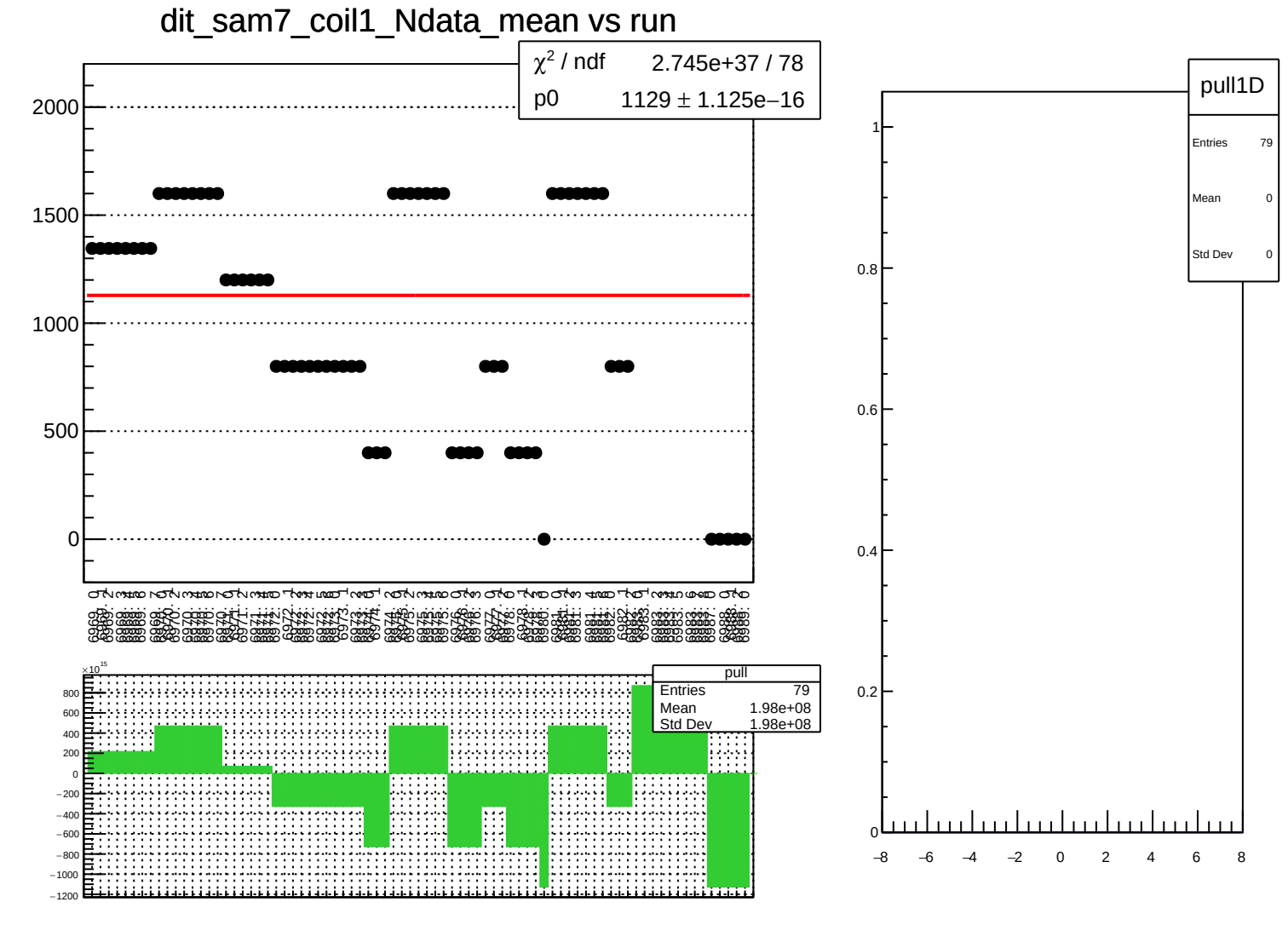

pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam7_coil1_mean vs run
χ² / ndf inf / 78
p0 2.147e+04 ± 1.125e−16
25000
20000
15000
10000
5000
0
pull
Entries 79
Mean 2.626e+09
Std Dev 2.626e+09
×10¹⁸
0
−5
−10
−15
−20

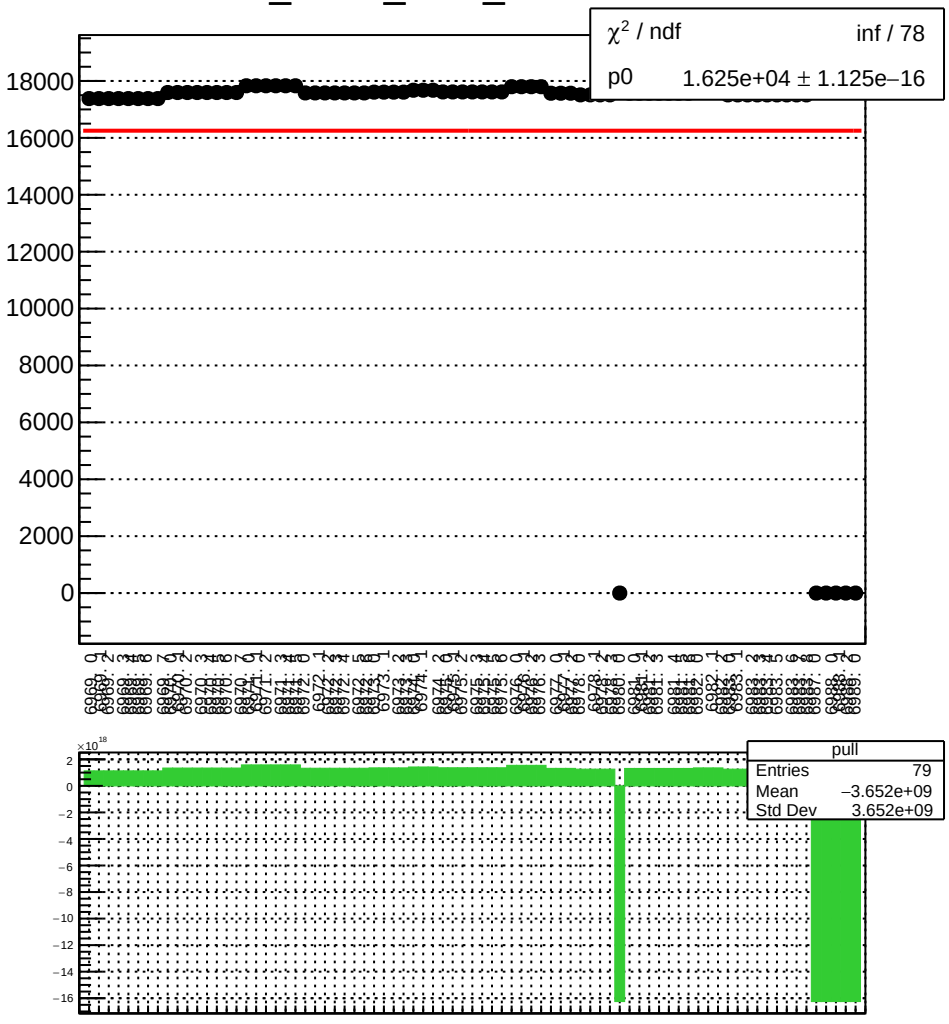

pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

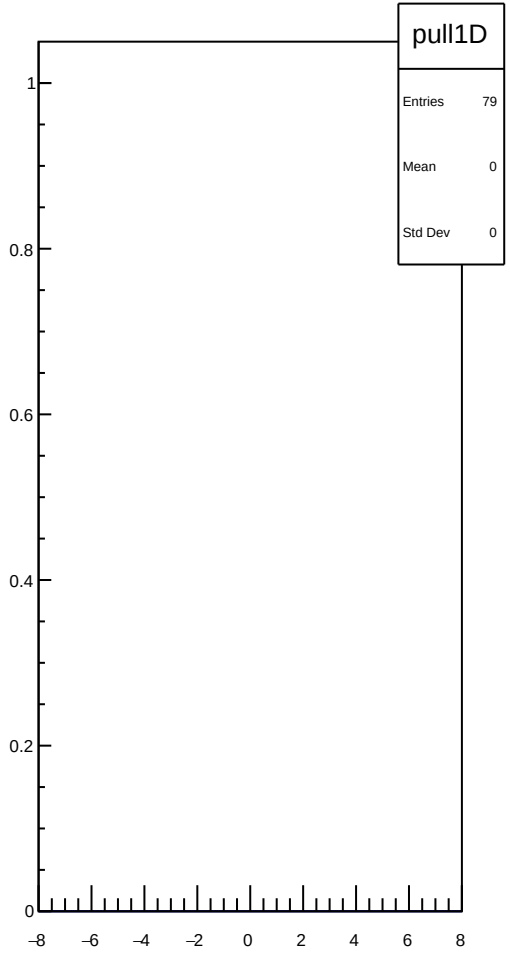

dit_sam7_coil1_err_mean vs run
χ² / ndf 6.225e+35 / 78
p0 224.5 ± 1.125e−16
pull
Entries 79
Mean 2.643e+09
Std Dev 2.643e+09

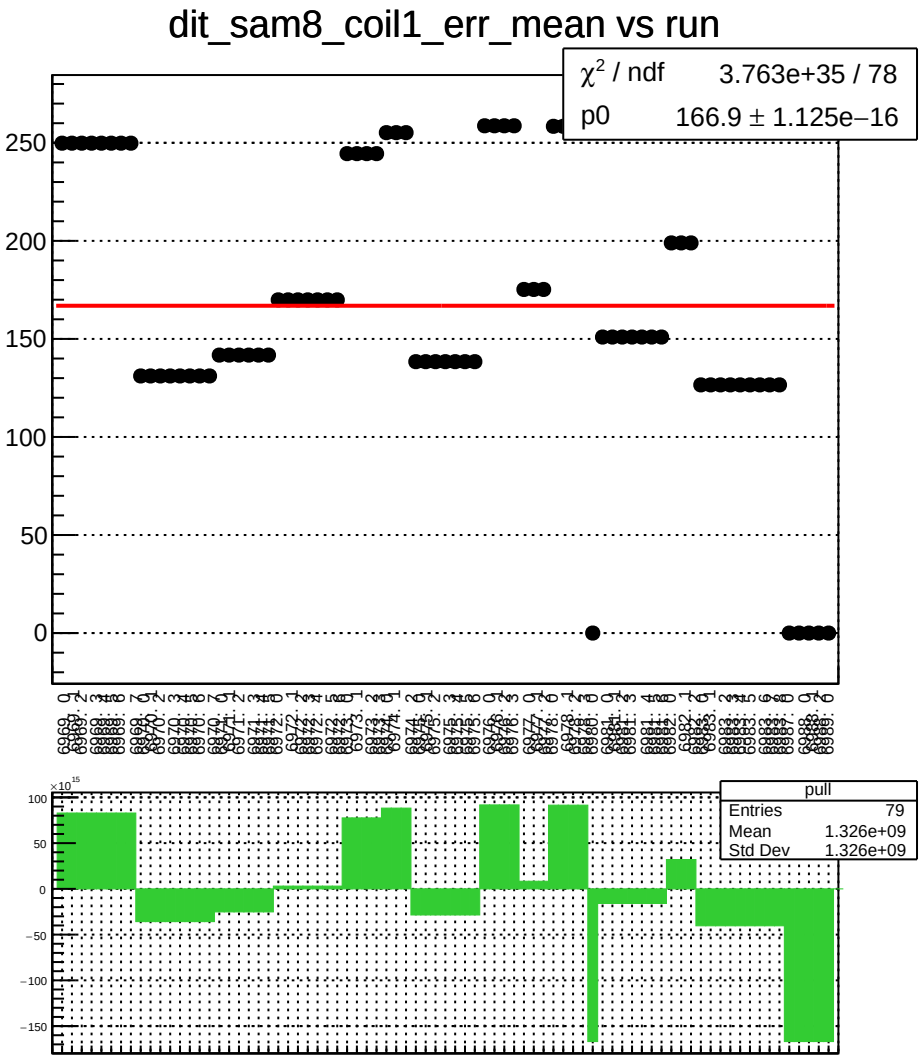

pull1D
Entries 79
Mean 0
Std Dev 0

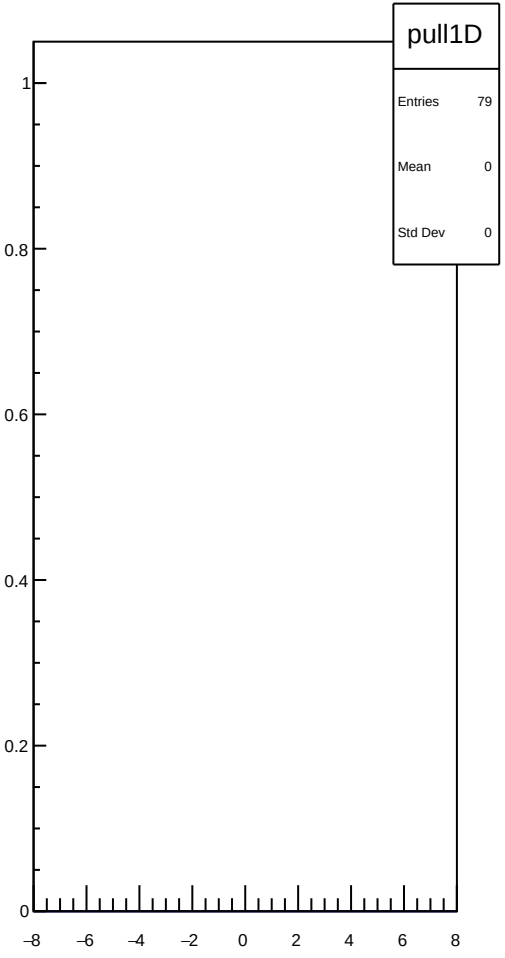

dit_sam7_coil1_Ndata_mean vs run
χ² / ndf 2.745e+37 / 78
p0 1129 ± 1.125e−16
pull
Entries 79
Mean 1.98e+08
Std Dev 1.98e+08
pull1D
Entries 79
Mean 0
Std Dev 0

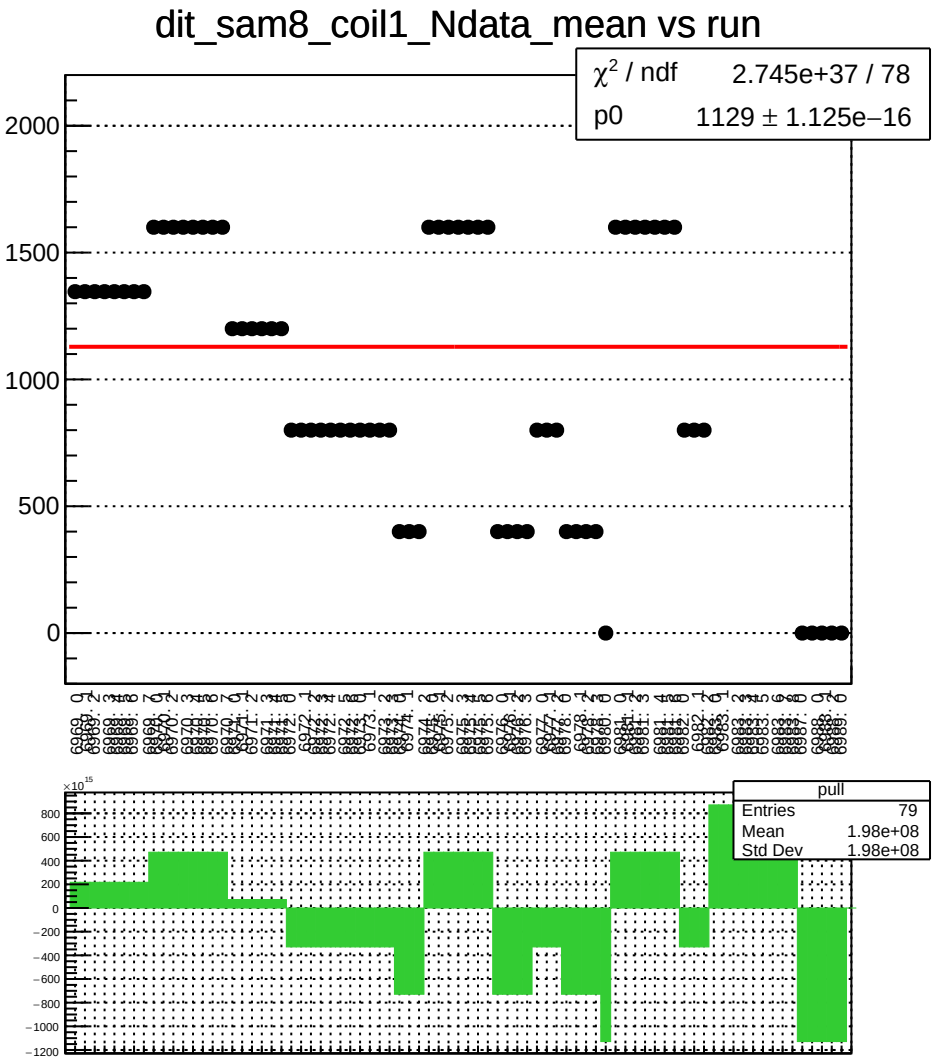
dit_sam8_coil1_mean vs run

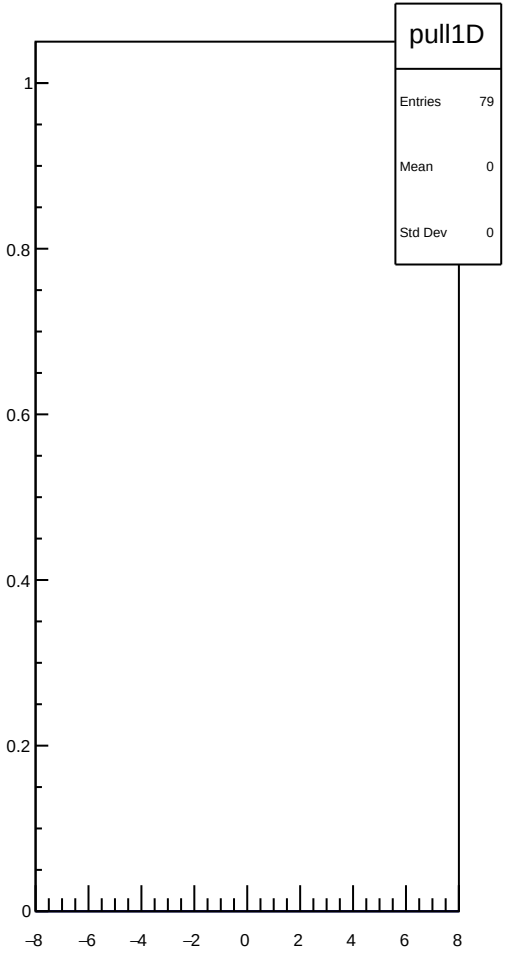




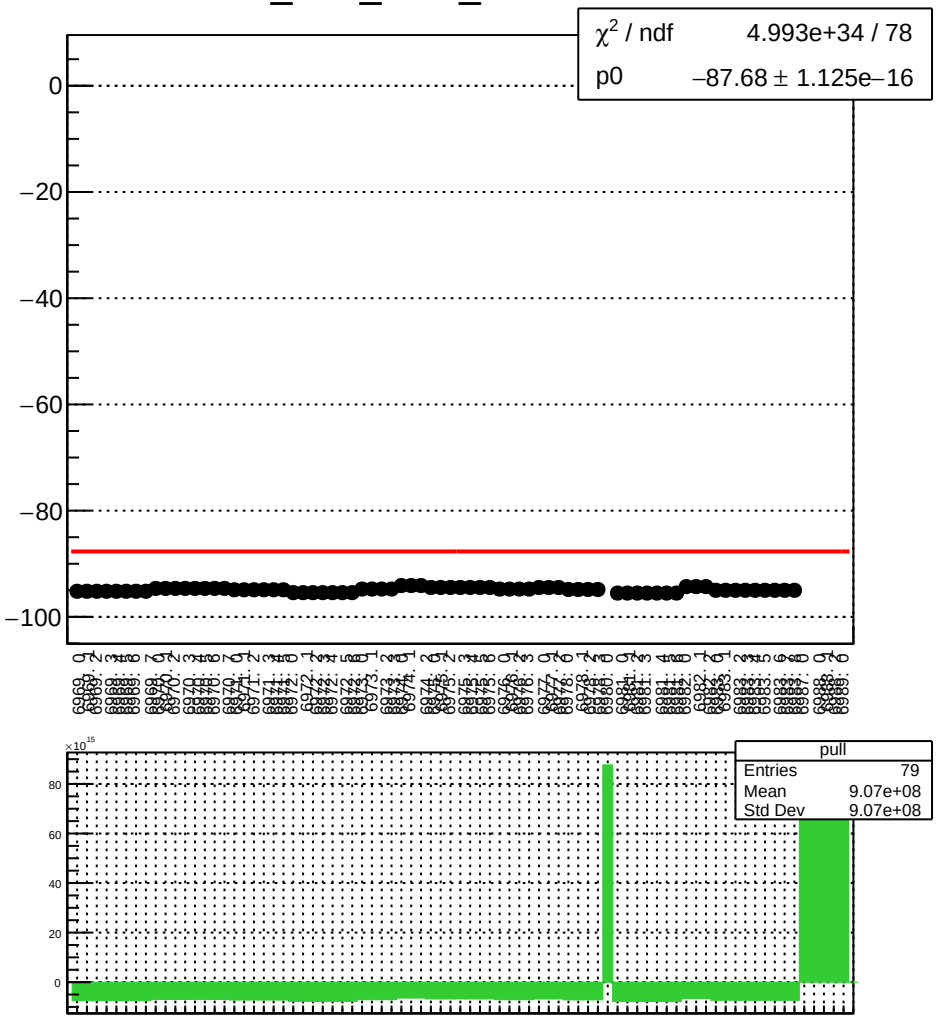

dit_sam8_coil1_err_mean vs run
χ² / ndf 3.763e+35 / 78
p0 166.9 ± 1.125e−16
pull
Entries 79
Mean 1.326e+09
Std Dev 1.326e+09

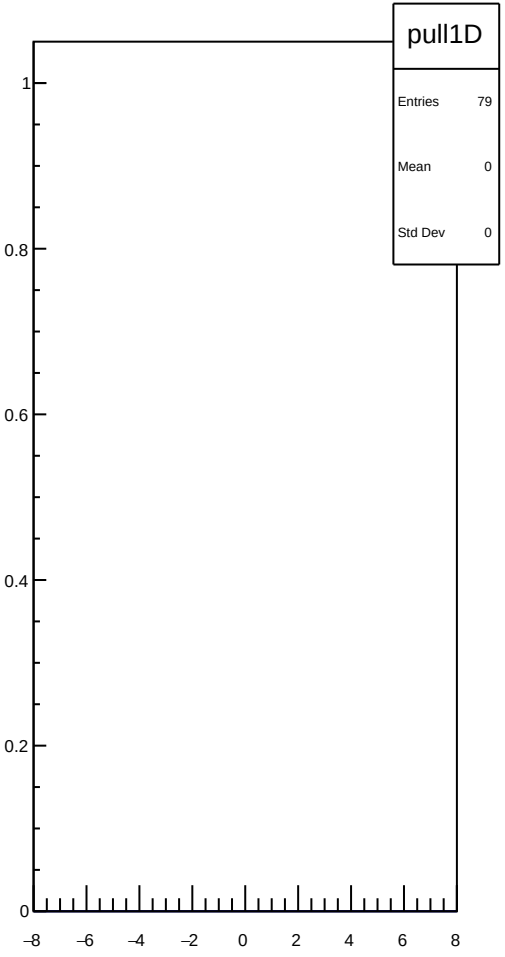

pull1D
Entries 79
Mean 0
Std Dev 0

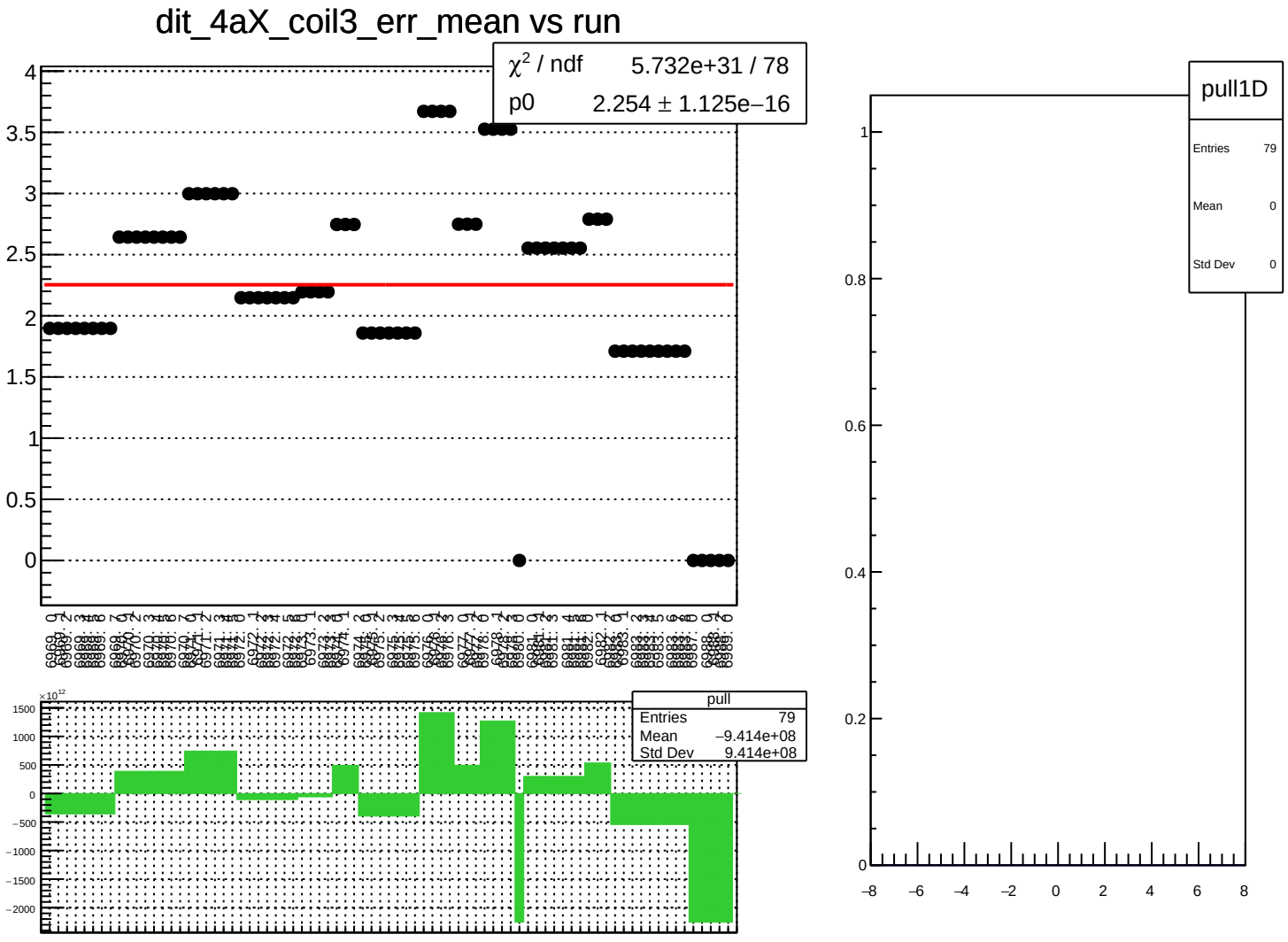

dit_sam8_coil1_Ndata_mean vs run
χ^2 / ndf 2.745e+37 / 78
p0 1129 ± 1.125e−16
2000
1500
1000
500
0
pull
Entries 79
Mean 1.98e+08
Std Dev 1.98e+08
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200


pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

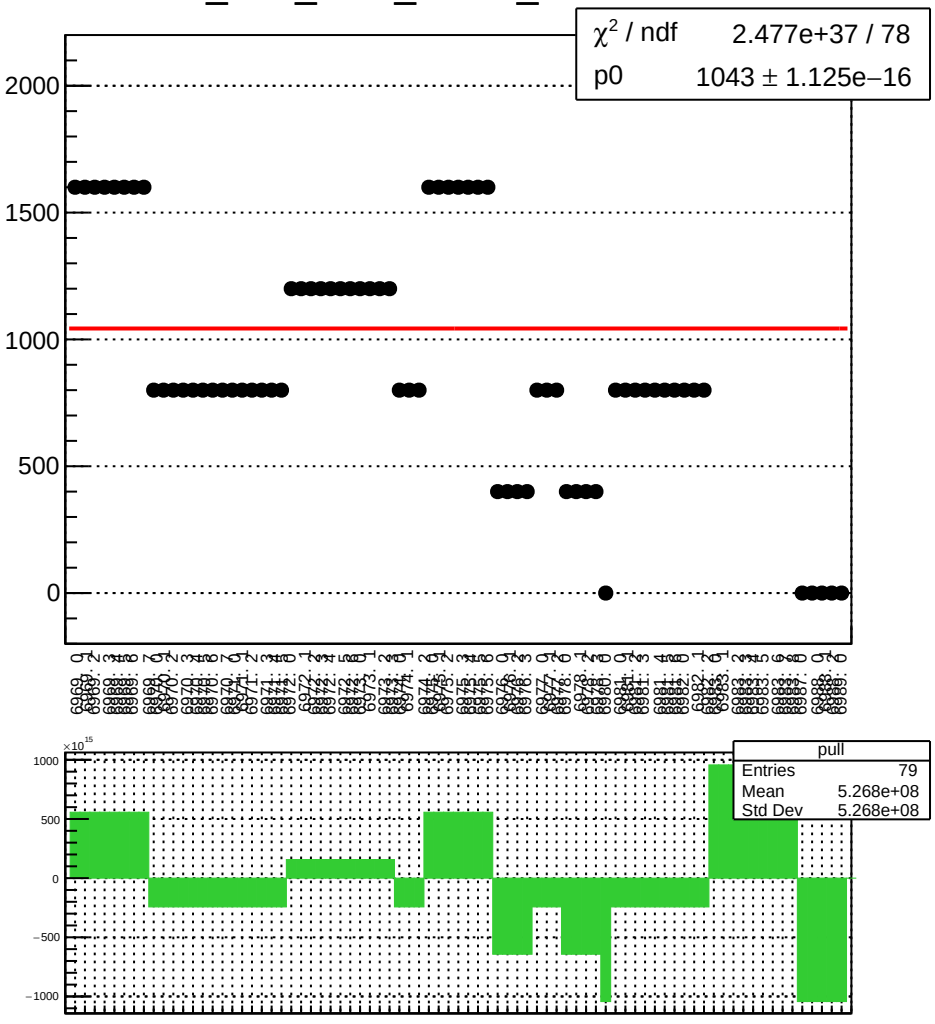
dit_4aX_coil3_mean vs run

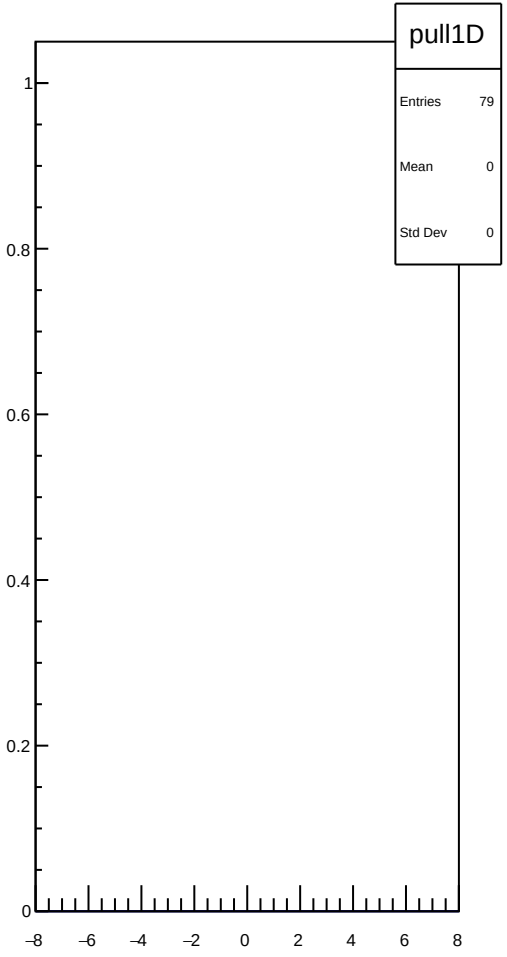




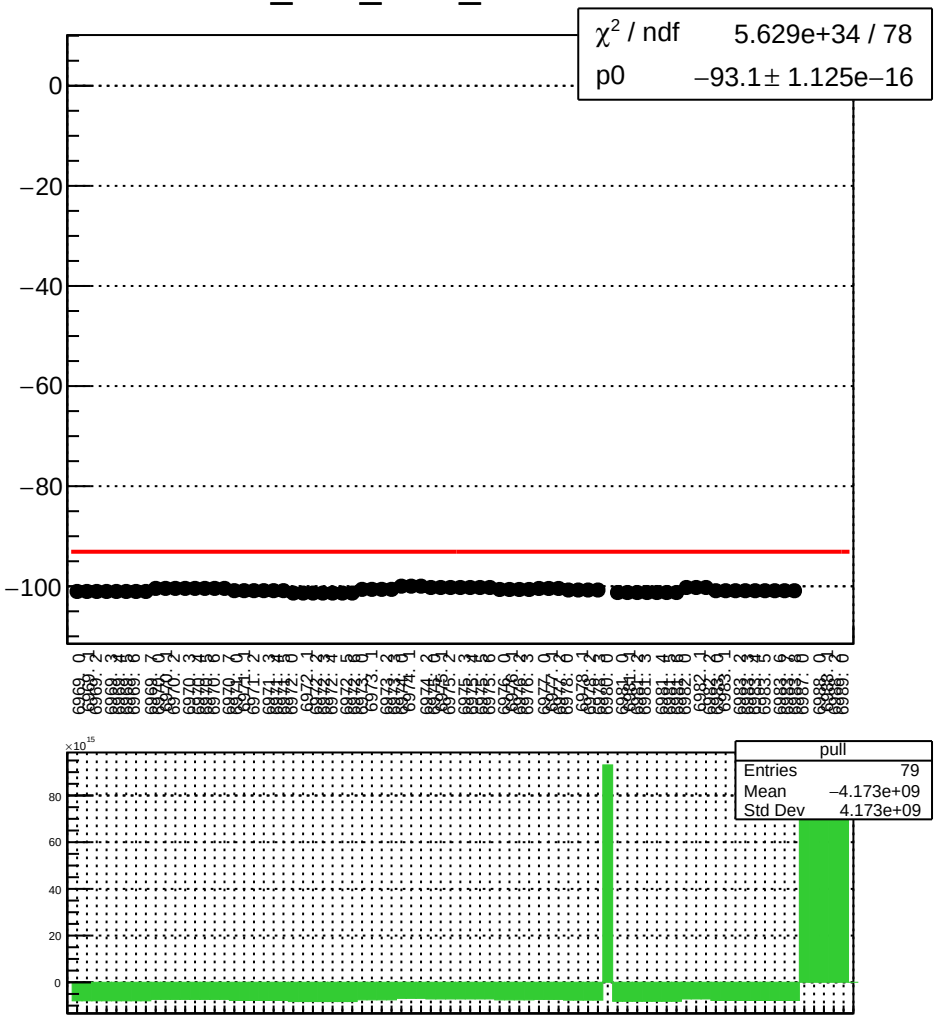

dit_4aX_coil3_err_mean vs run
χ^2 / ndf 5.732e+31 / 78
p0 2.254 ± 1.125e−16
pull
Entries 79
Mean −9.414e+08
Std Dev 9.414e+08
pull1D
Entries 79
Mean 0
Std Dev 0

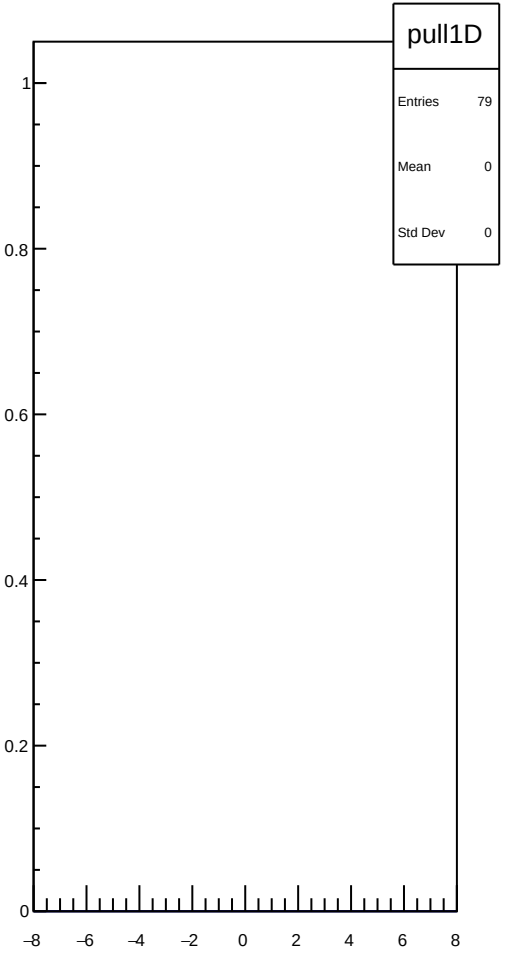
dit_4aX_coil3_Ndata_mean vs run



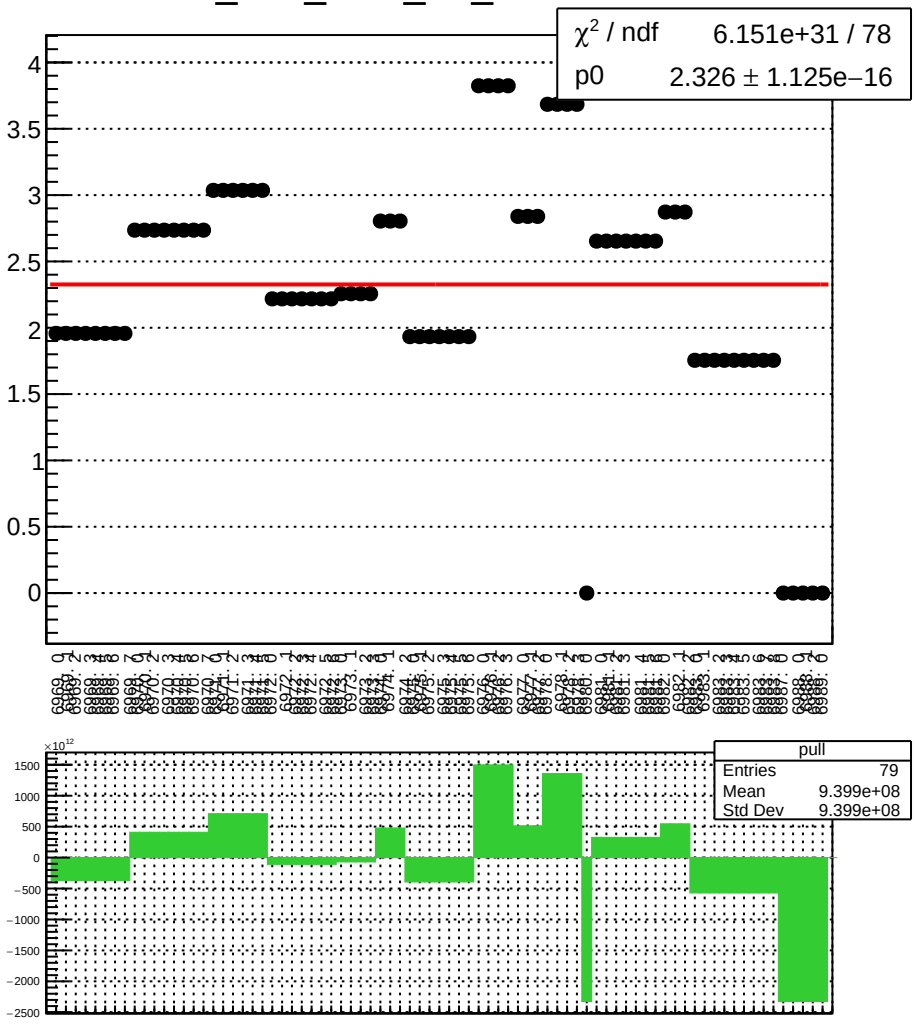


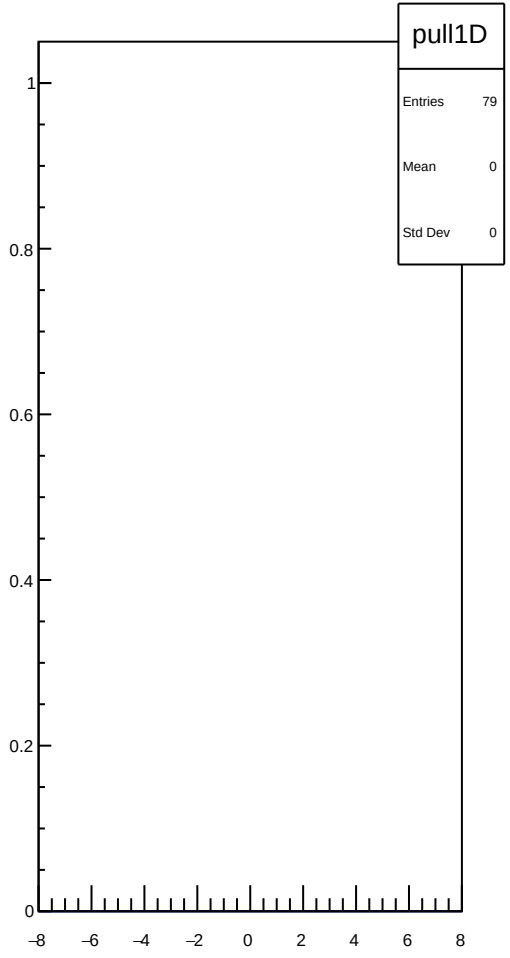
dit_4eX_coil3_mean vs run



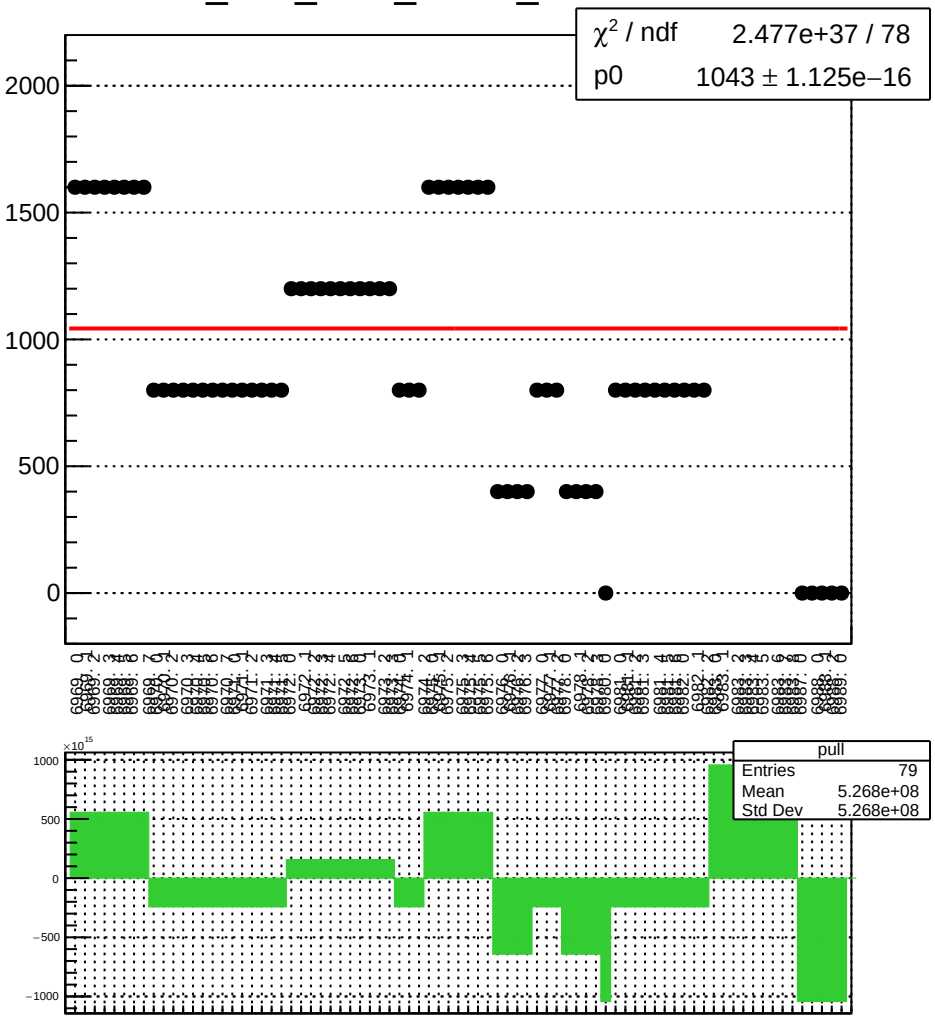


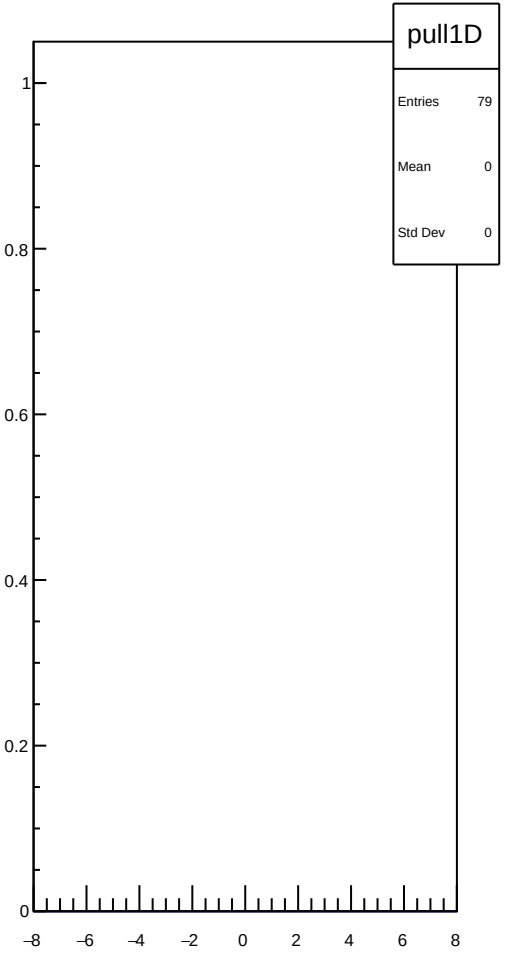
dit_4eX_coil3_err_mean vs run



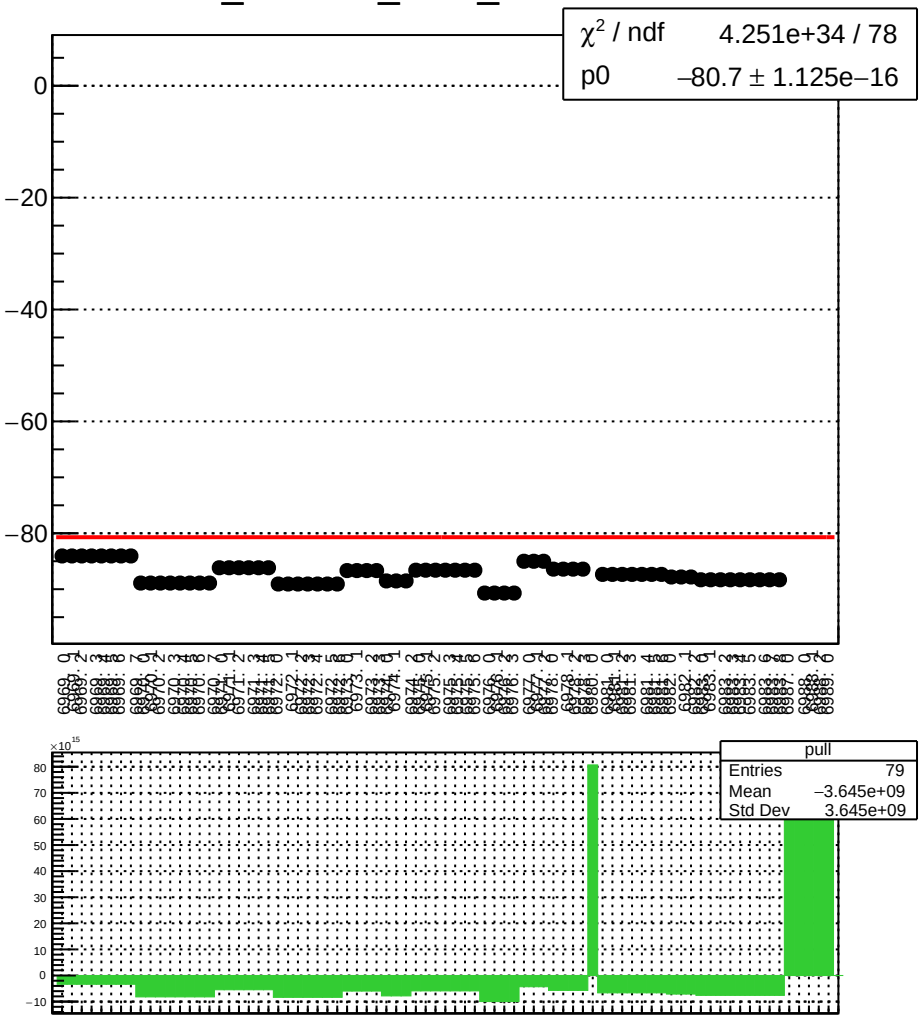


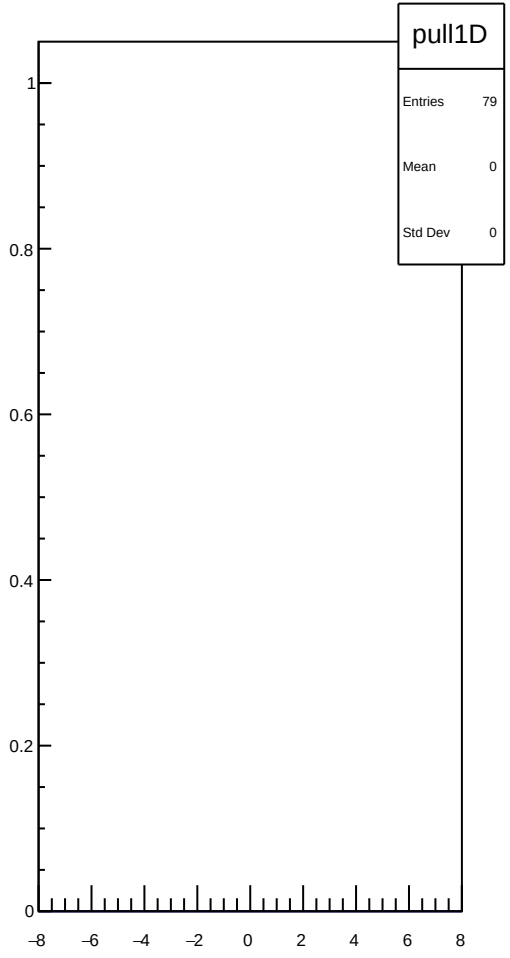
dit_4eX_coil3_Ndata_mean vs run



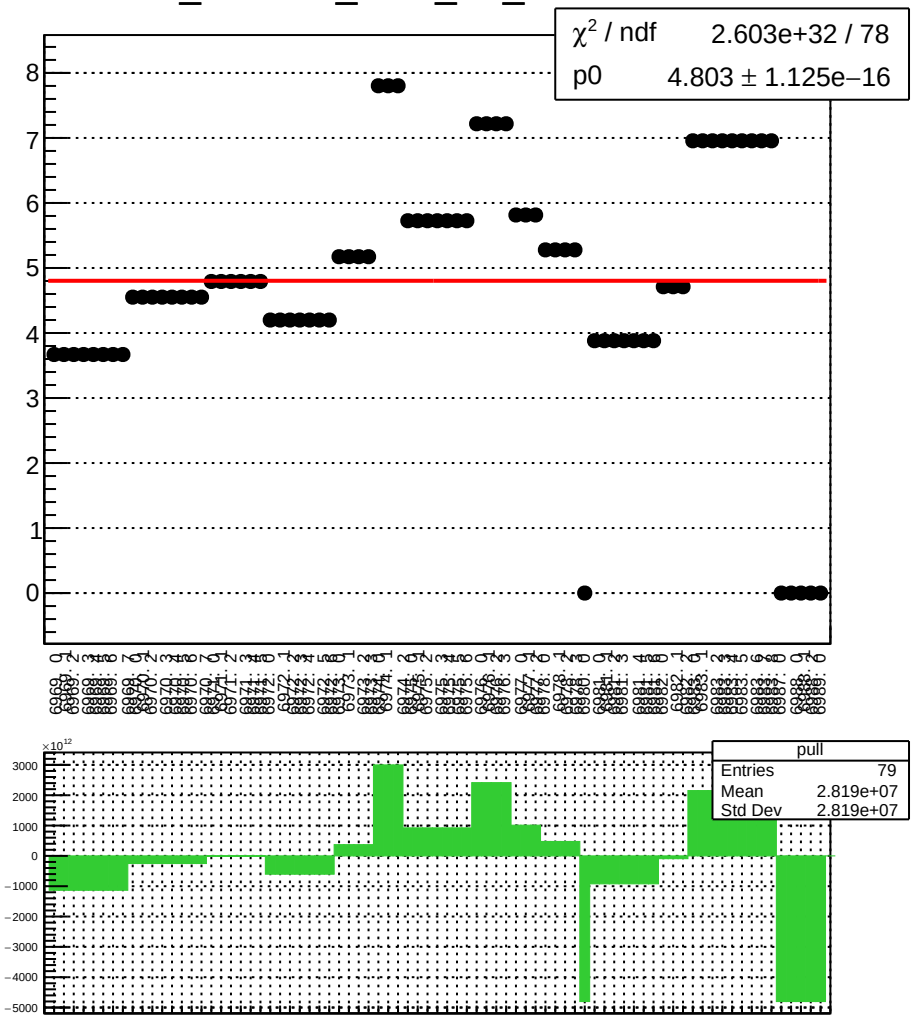


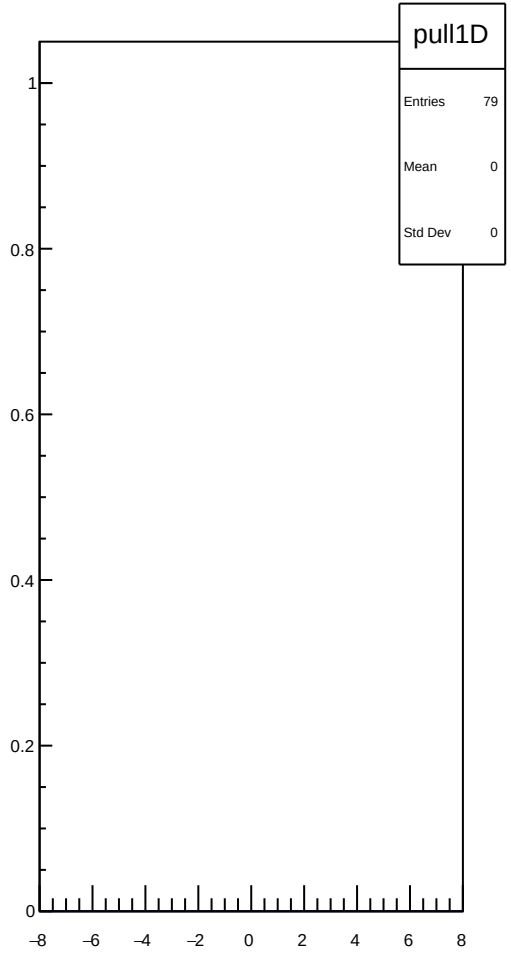
dit_11X12X_coil3_mean vs run



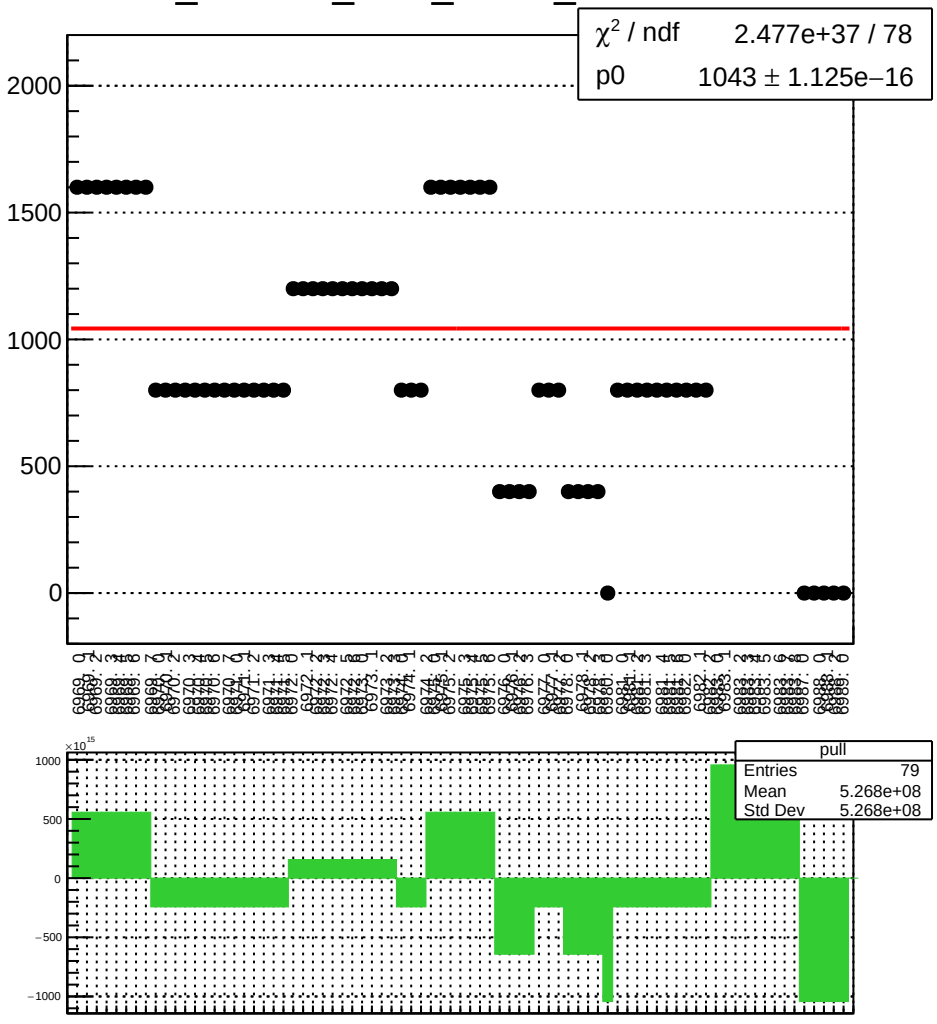


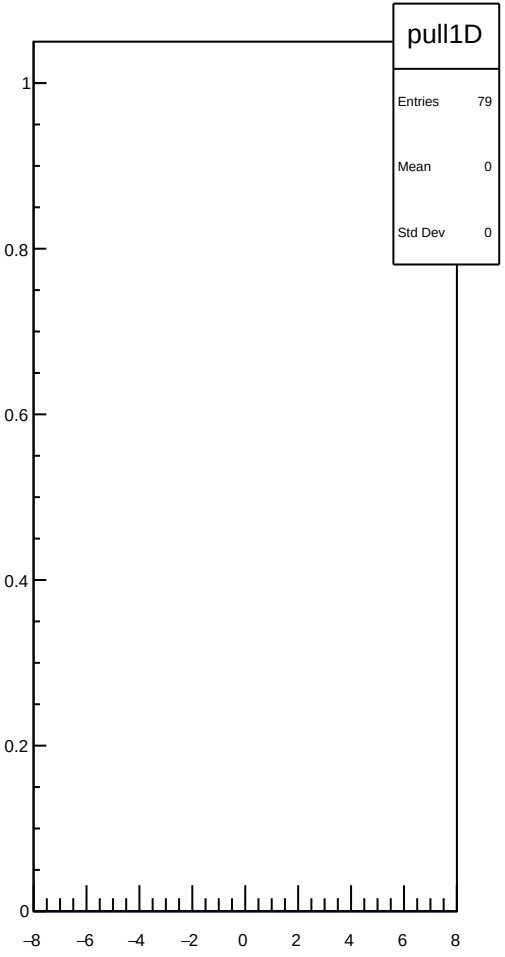
dit_11X12X_coil3_err_mean vs run



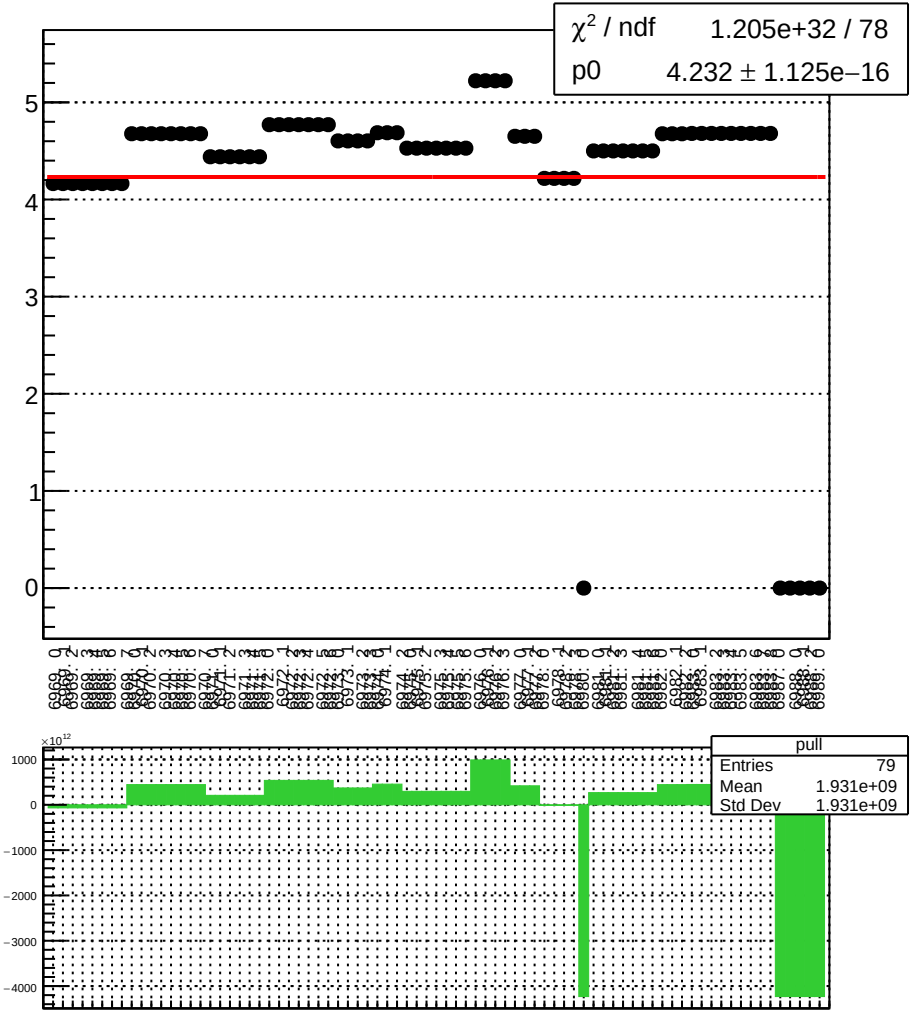


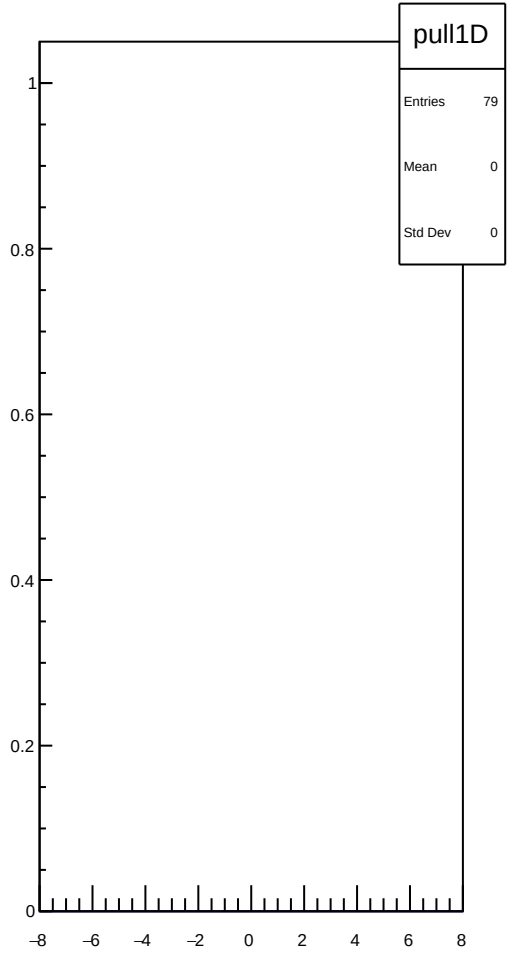
dit_11X12X_coil3_Ndata_mean vs run



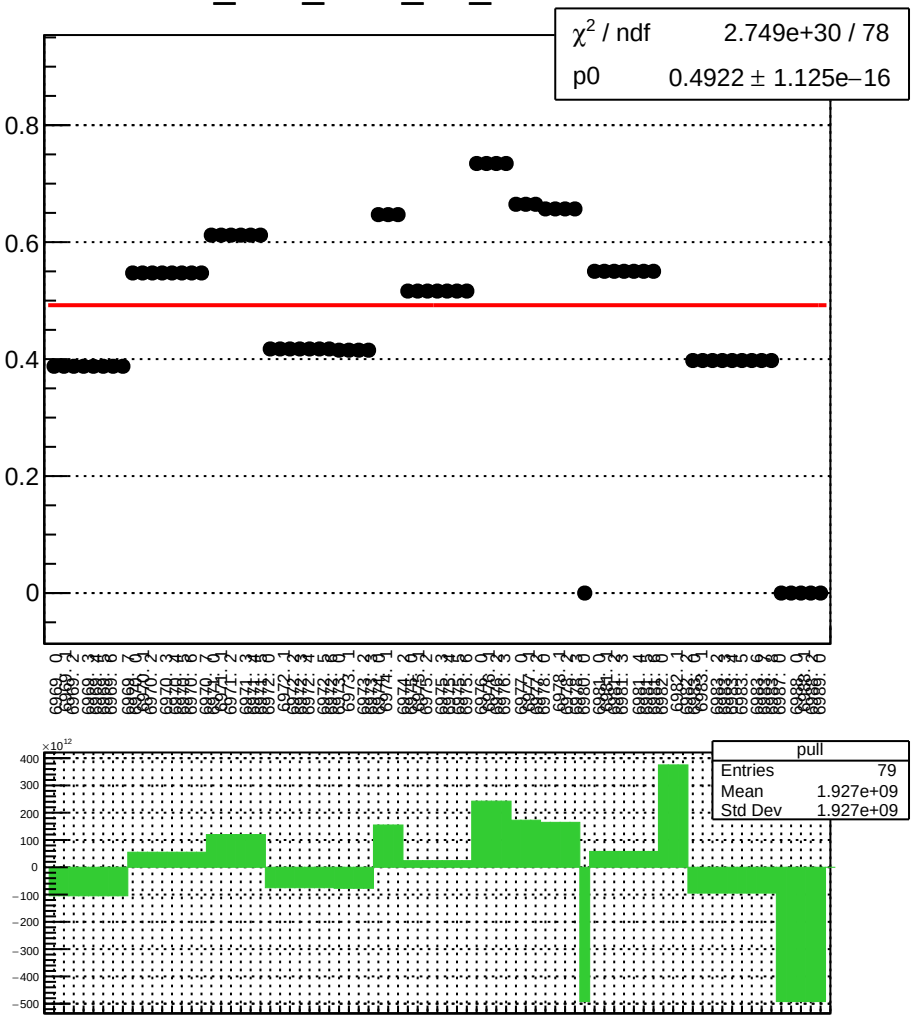


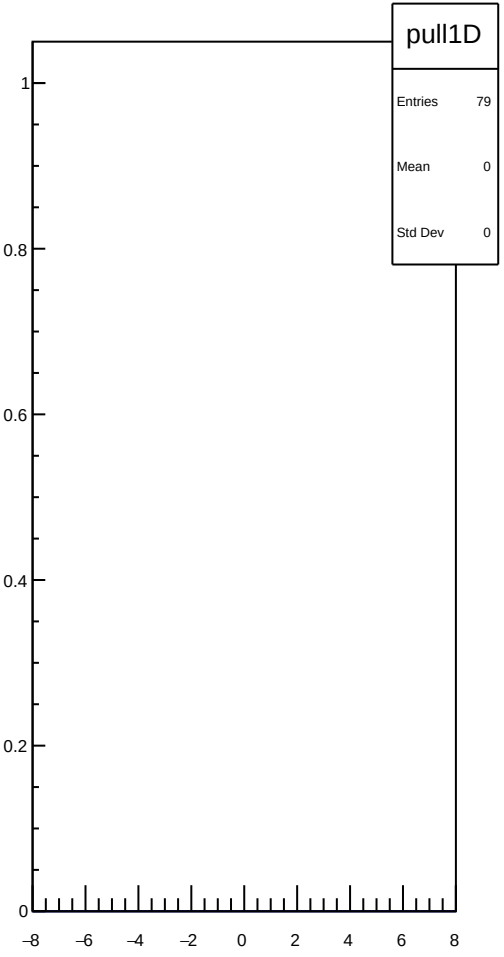
dit_4aY_coil3_mean vs run



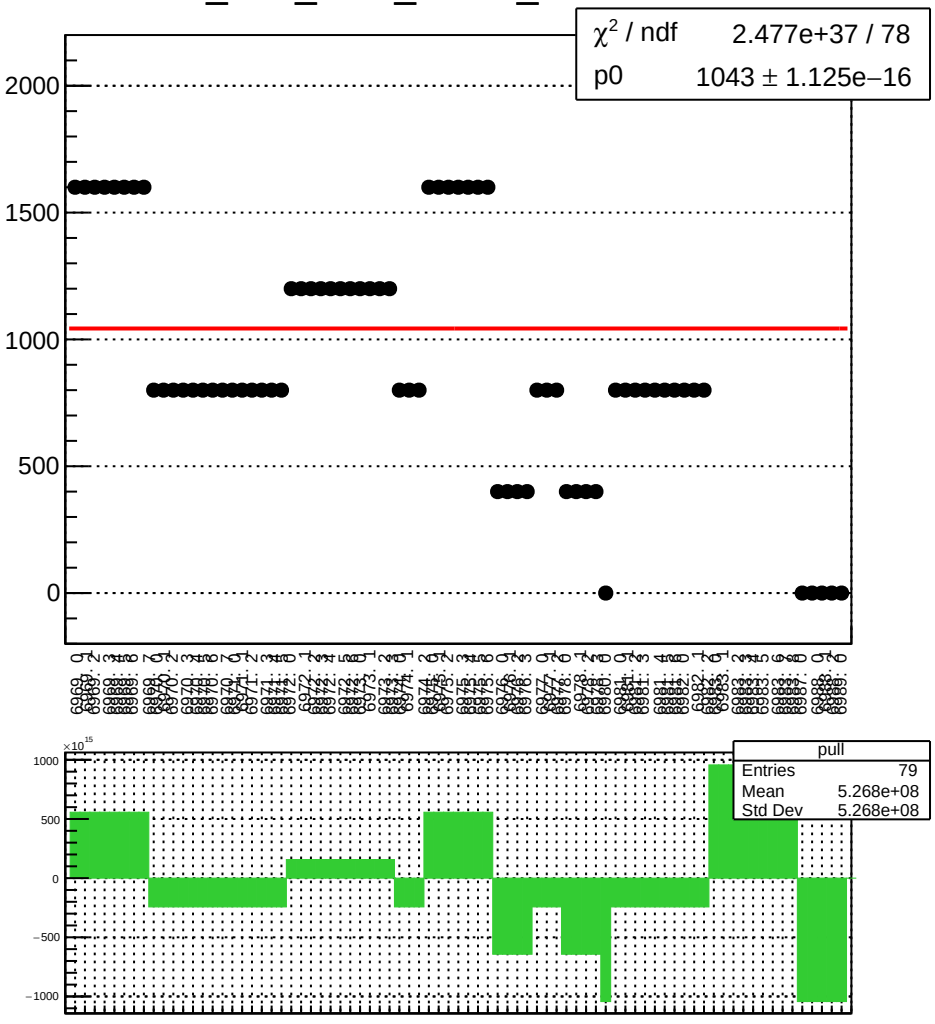


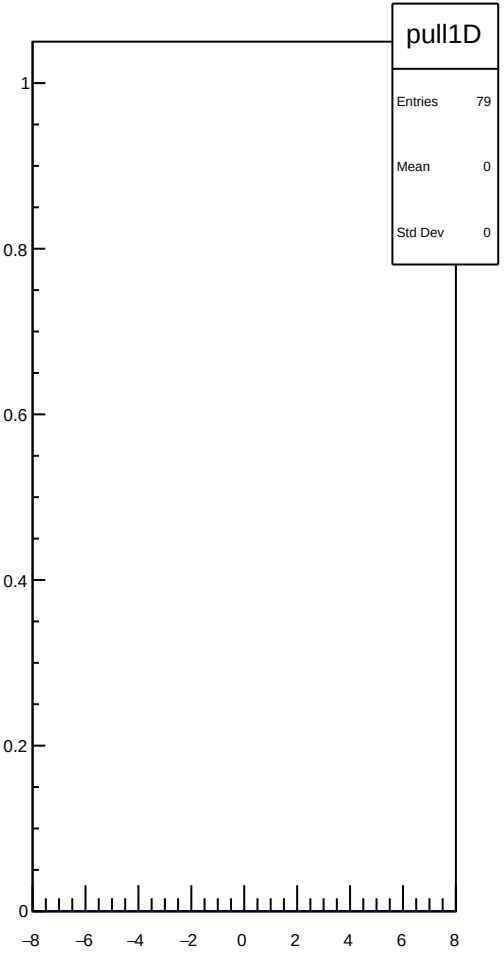
dit_4aY_coil3_err_mean vs run



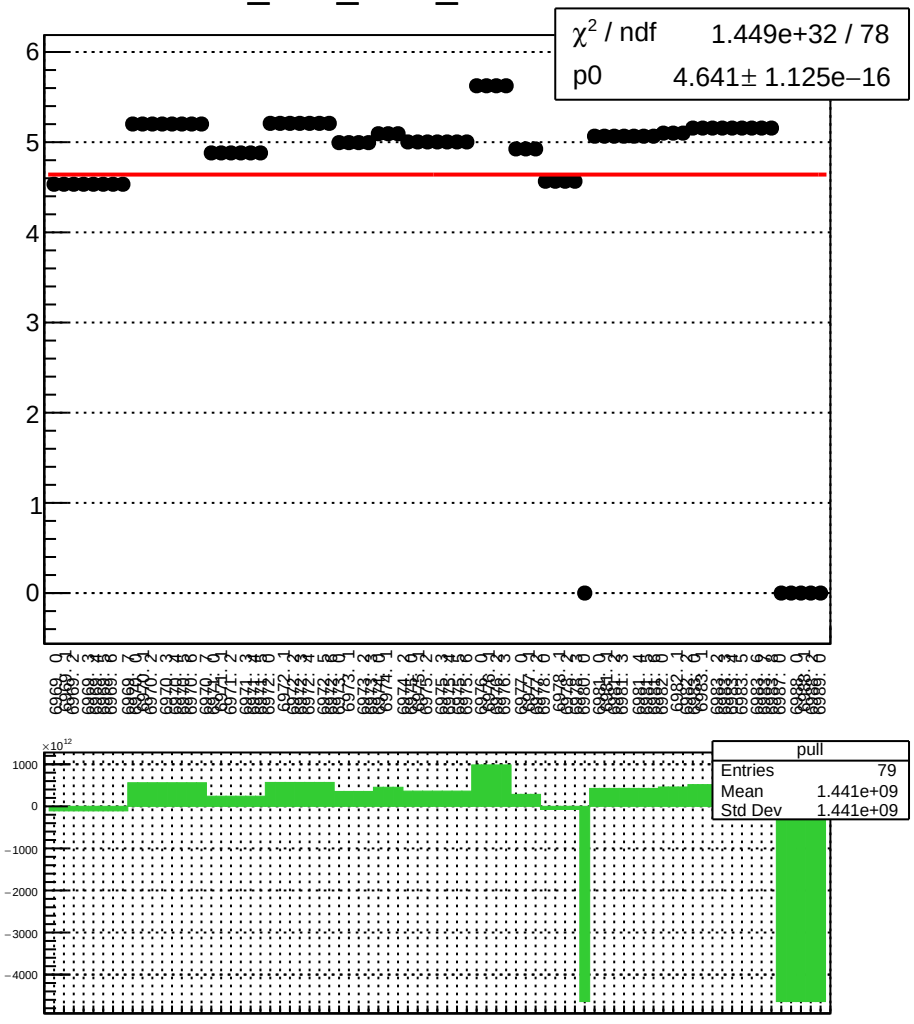


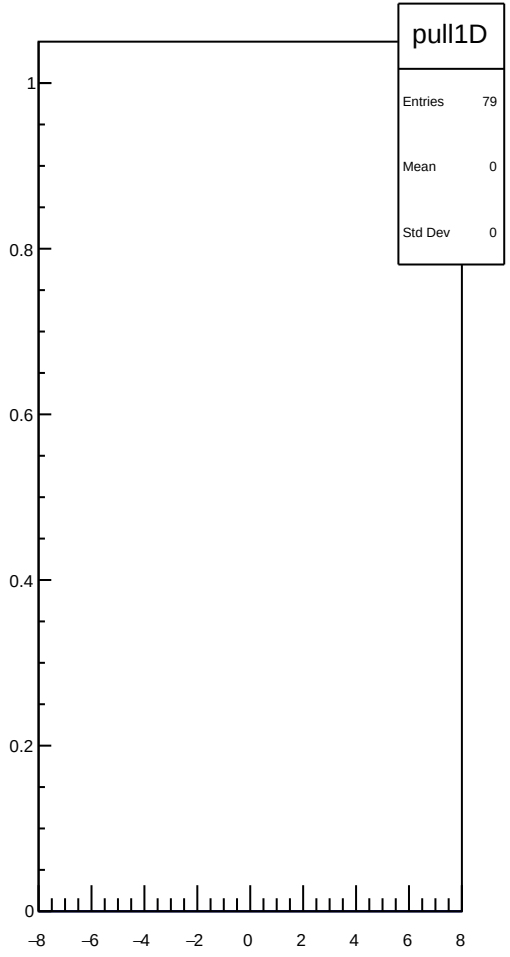
dit_4aY_coil3_Ndata_mean vs run



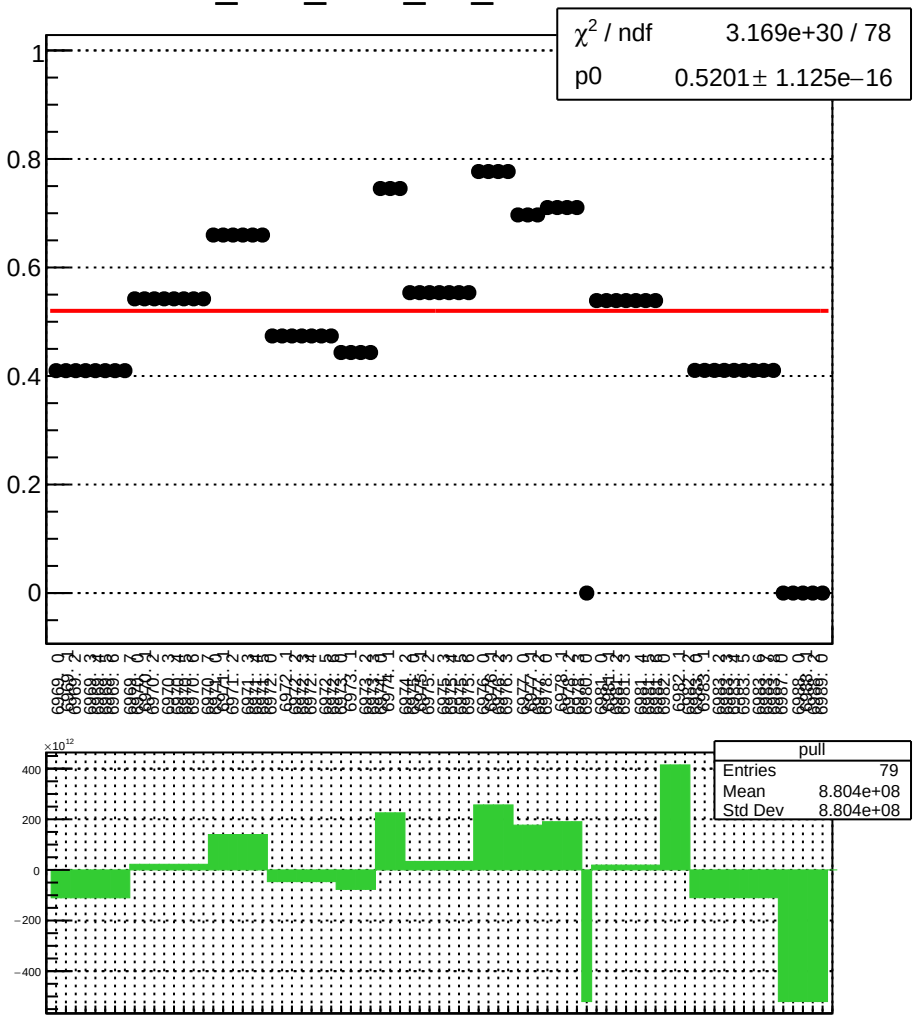


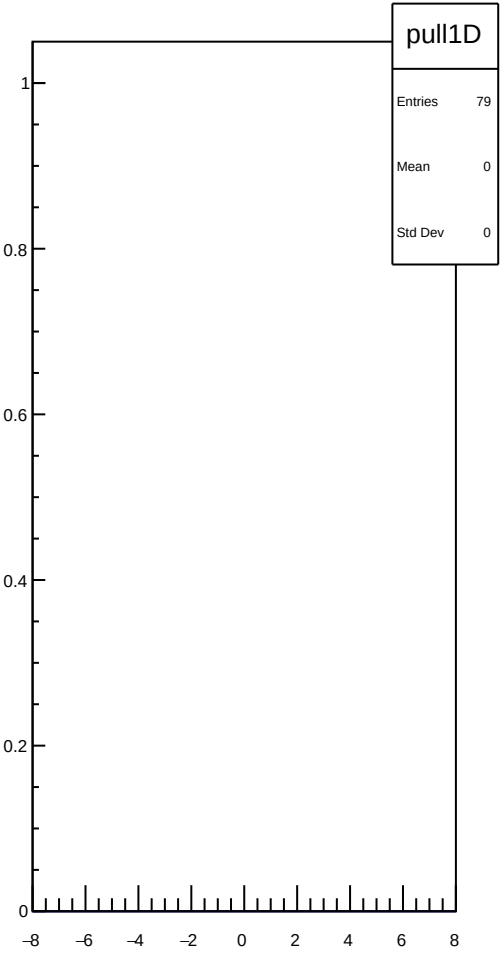
dit_4eY_coil3_mean vs run



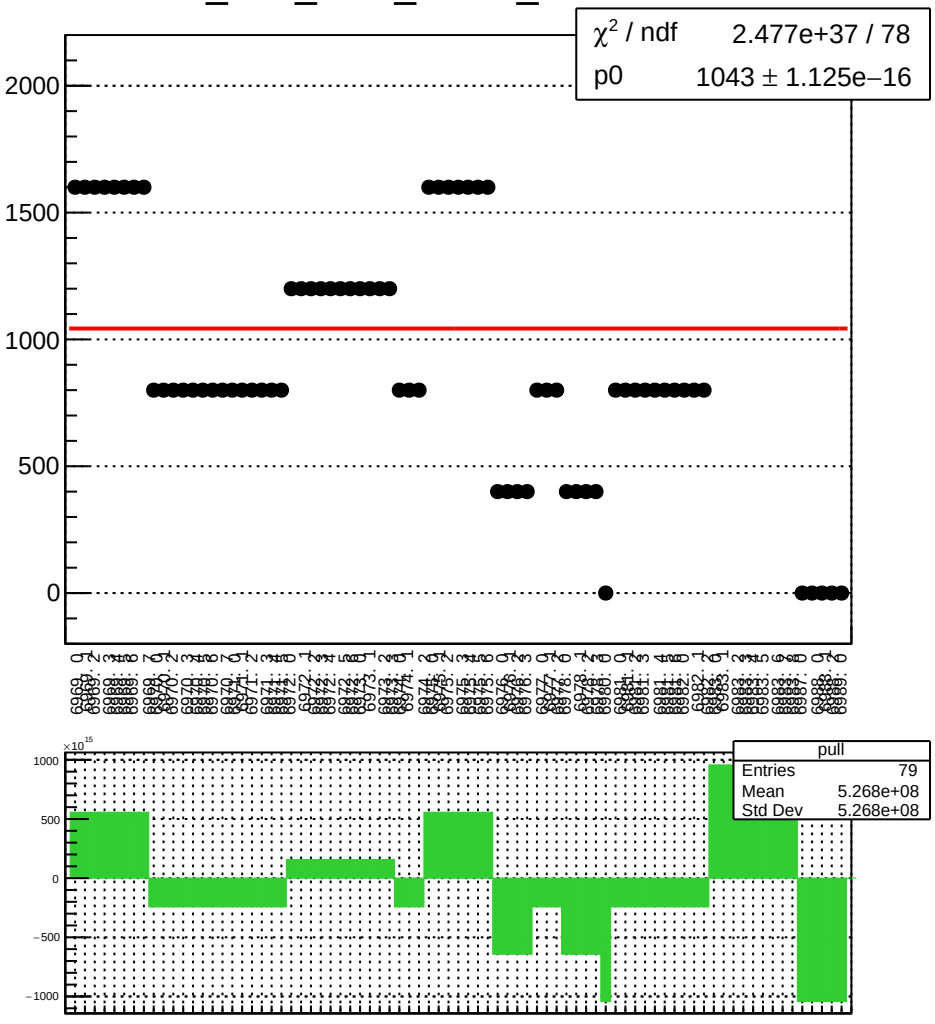


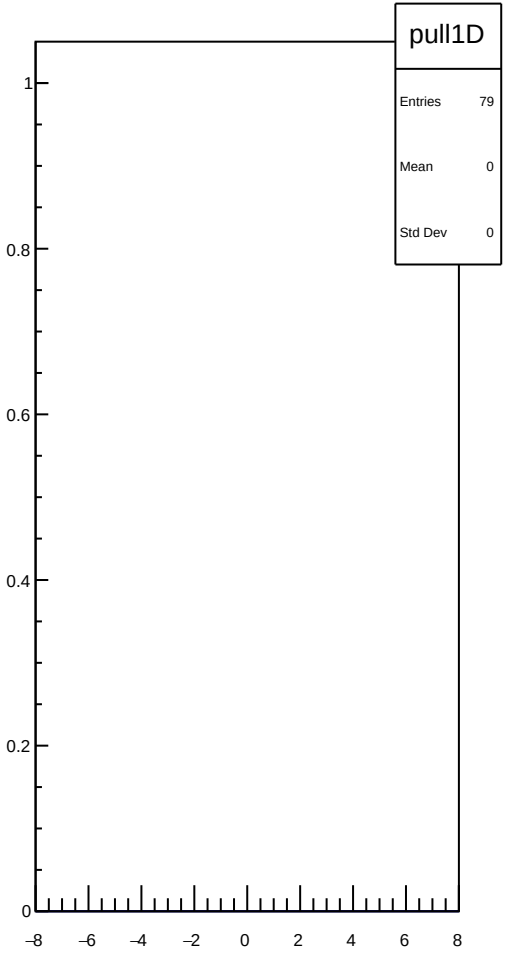
dit_4eY_coil3_err_mean vs run

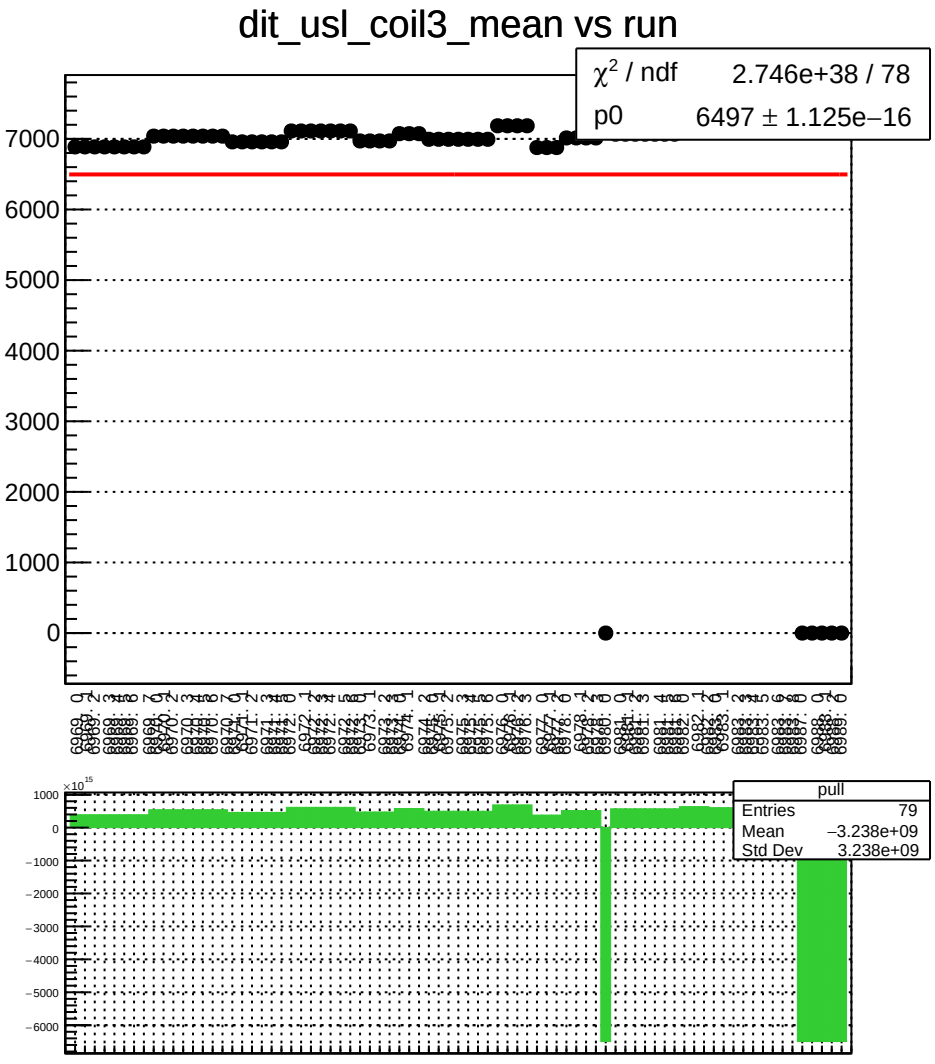


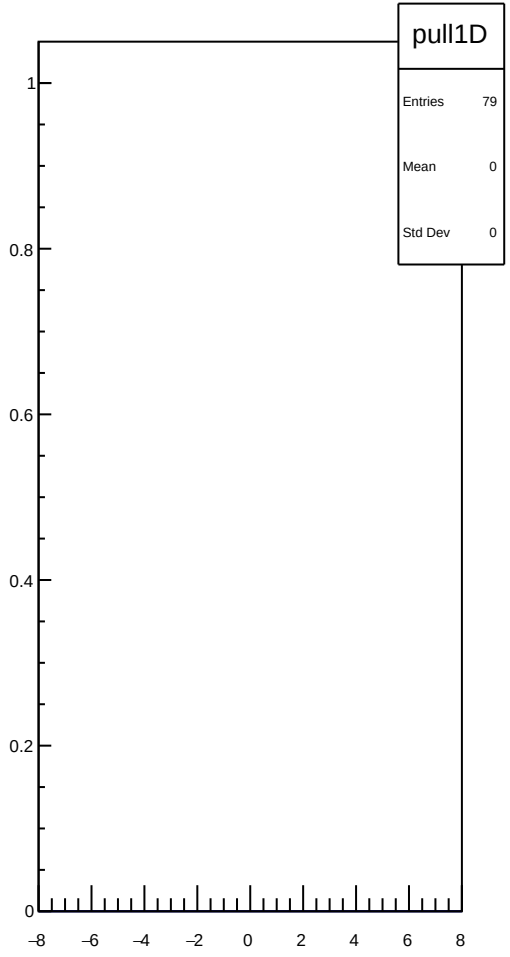


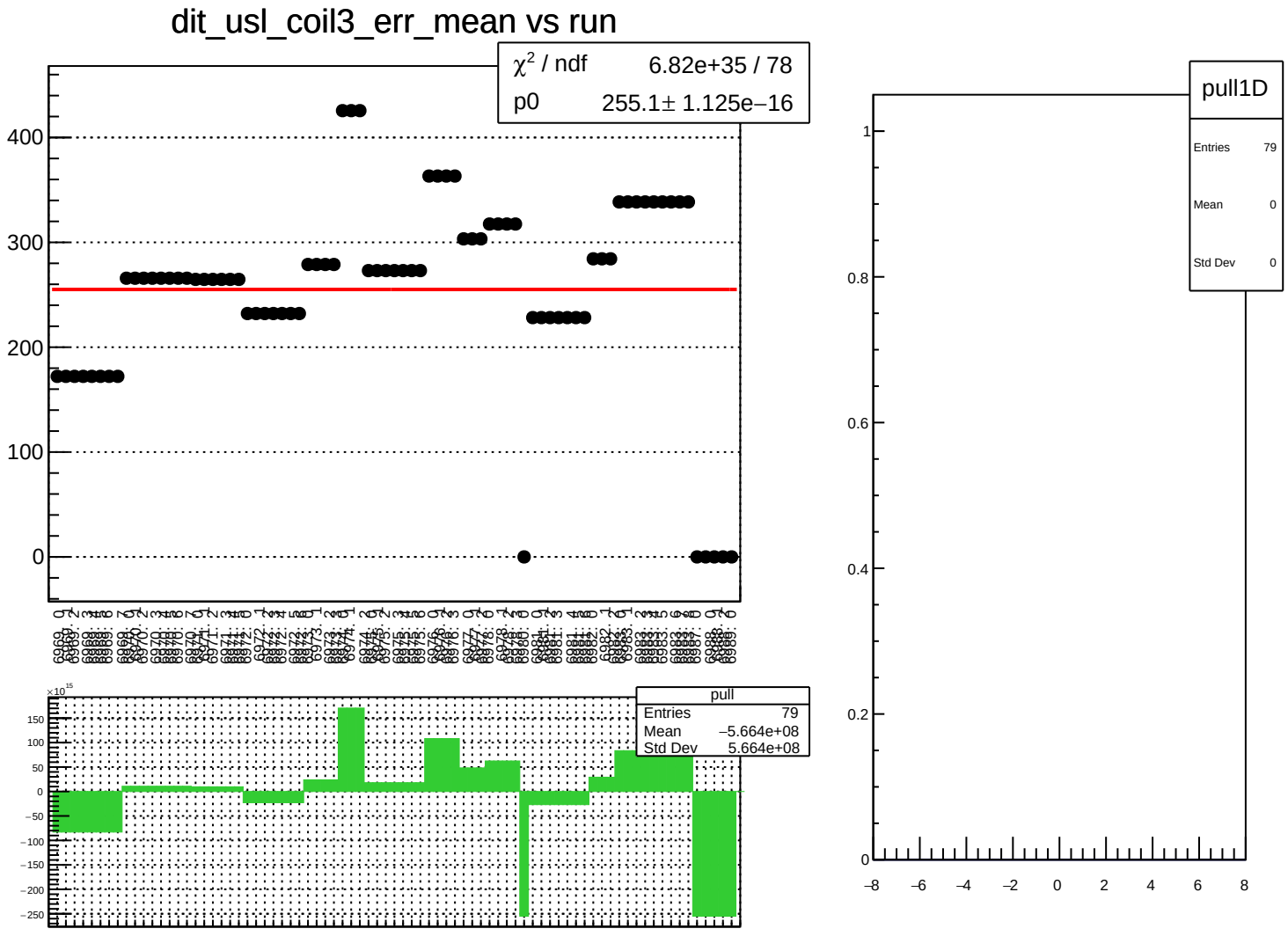
dit_4eY_coil3_Ndata_mean vs run



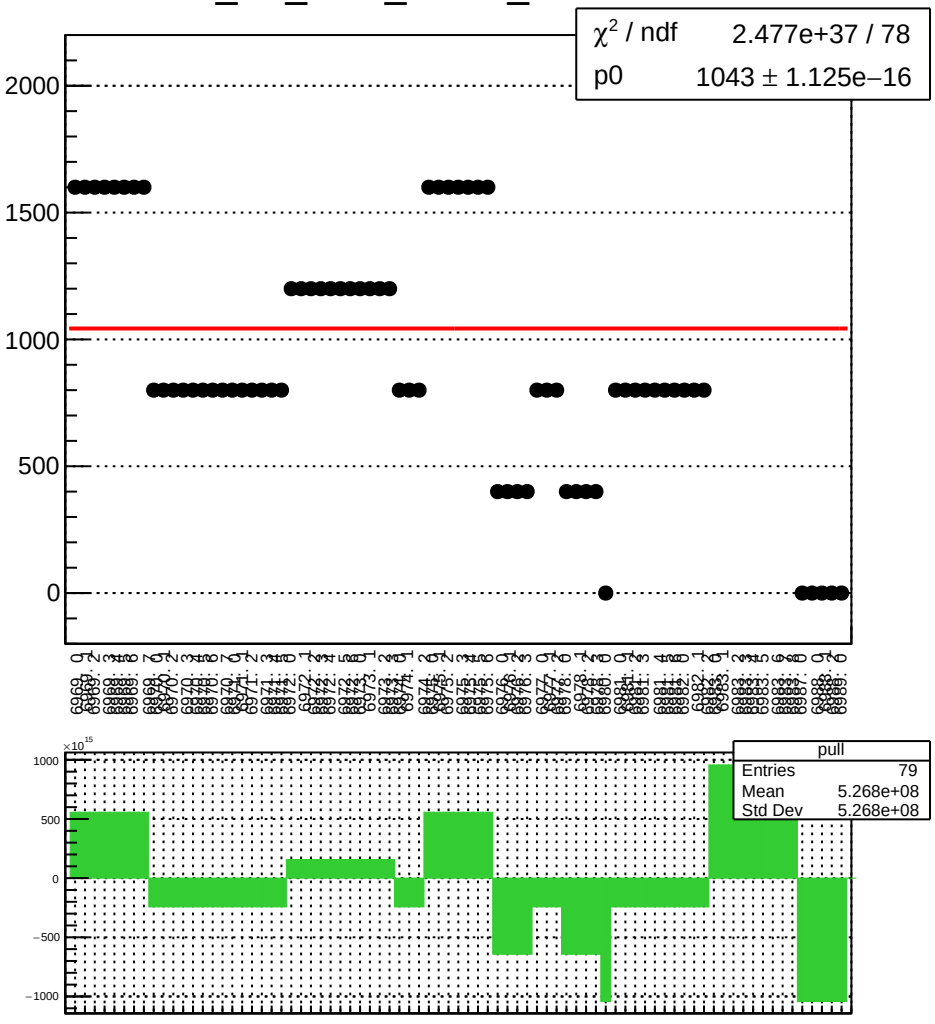


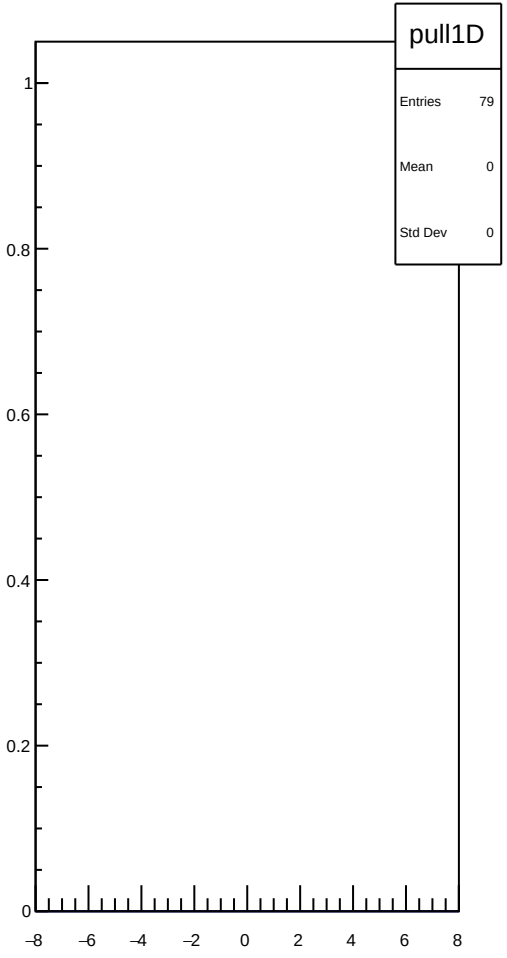

dit_usl_coil3_mean vs run
χ² / ndf 2.746e+38 / 78
p0 6497 ± 1.125e−16
pull
Entries 79
Mean −3.238e+09
Std Dev 3.238e+09


pull1D
Entries 79
Mean 0
Std Dev 0

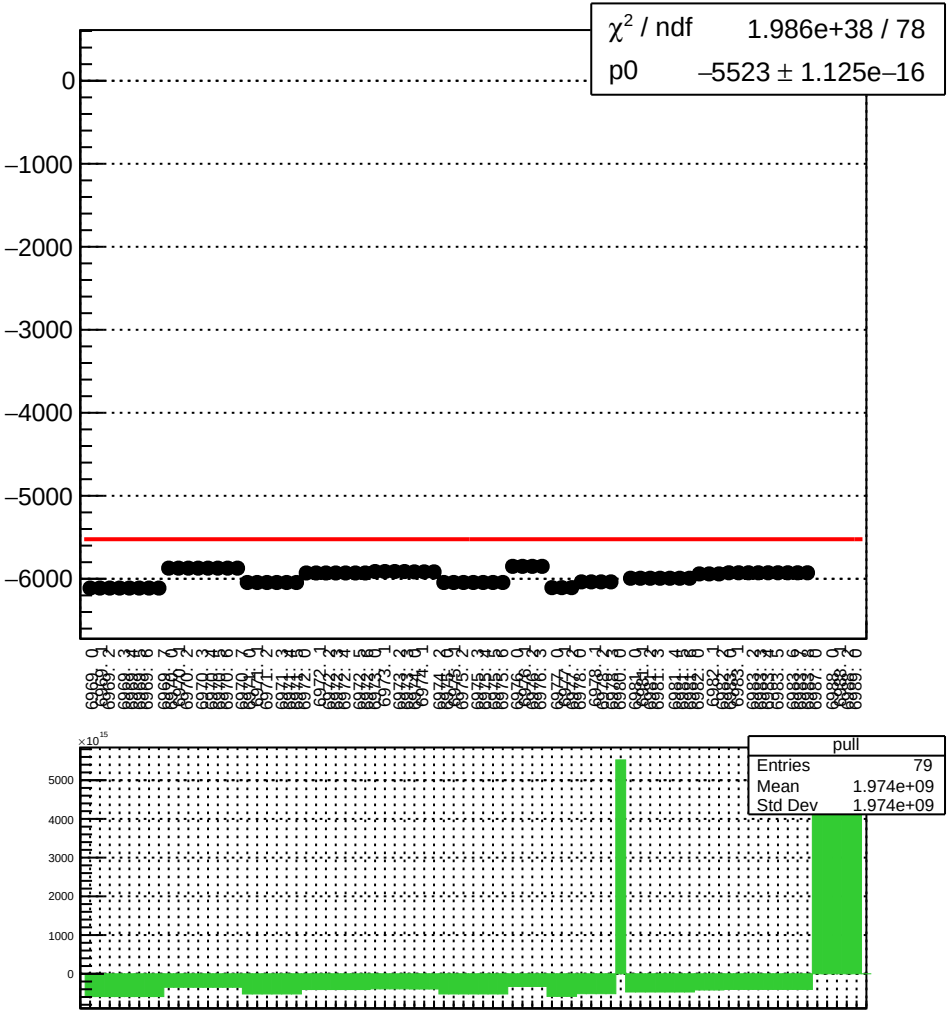

dit_usl_coil3_err_mean vs run
χ² / ndf 6.82e+35 / 78
p0 255.1± 1.125e−16
pull
Entries 79
Mean −5.664e+08
Std Dev 5.664e+08
pull1D
Entries 79
Mean 0
Std Dev 0

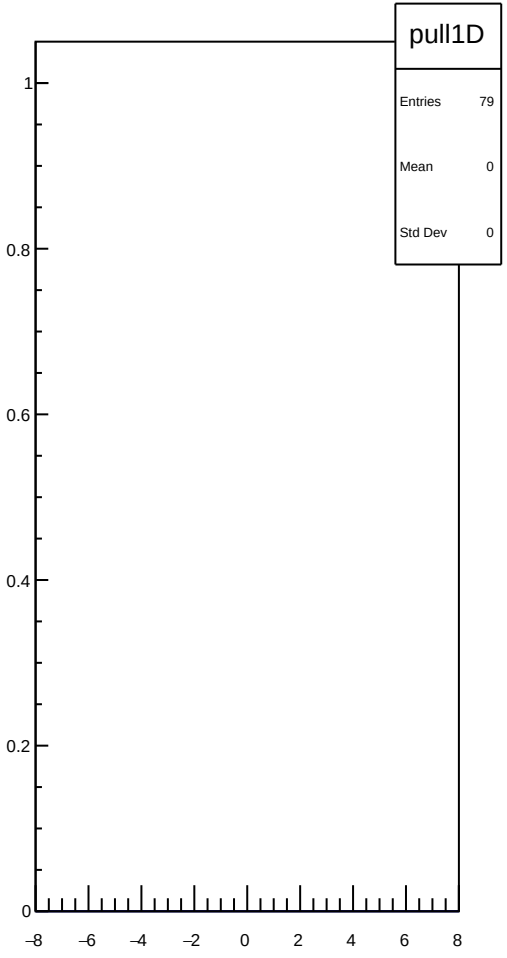
dit_usl_coil3_Ndata_mean vs run

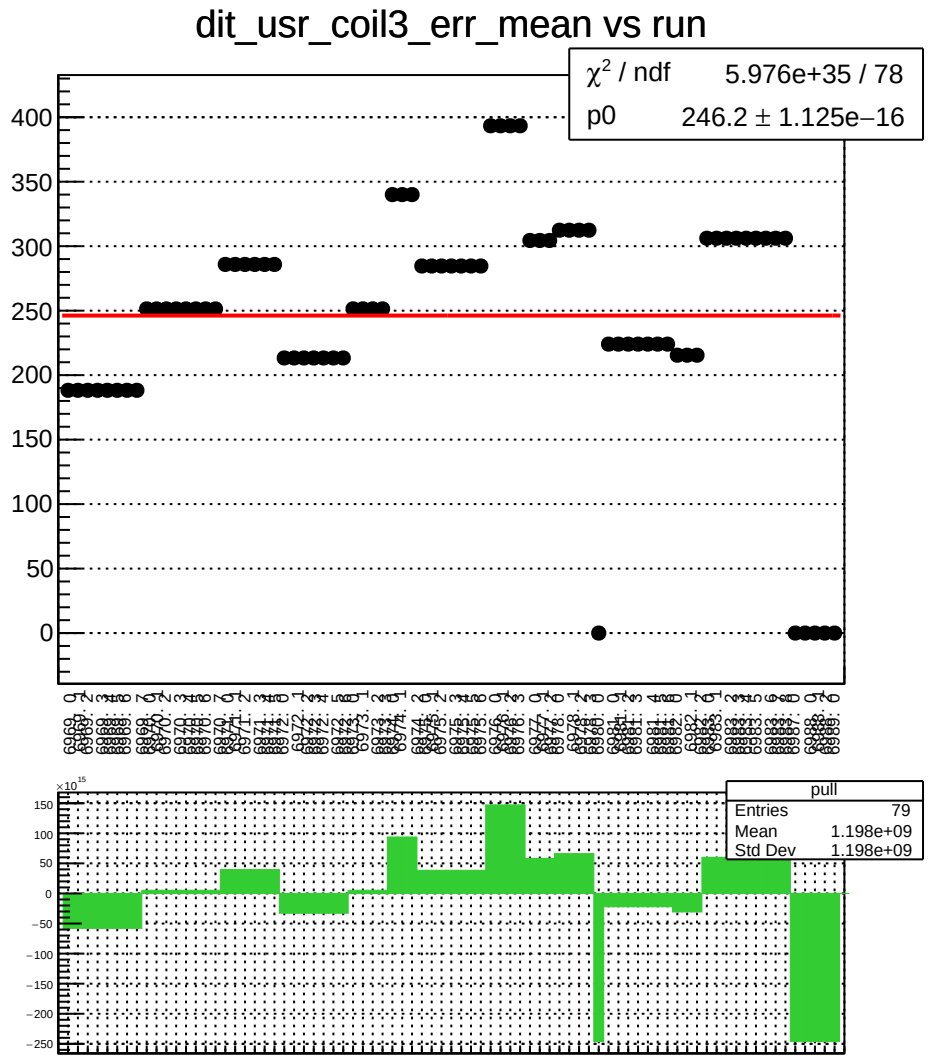


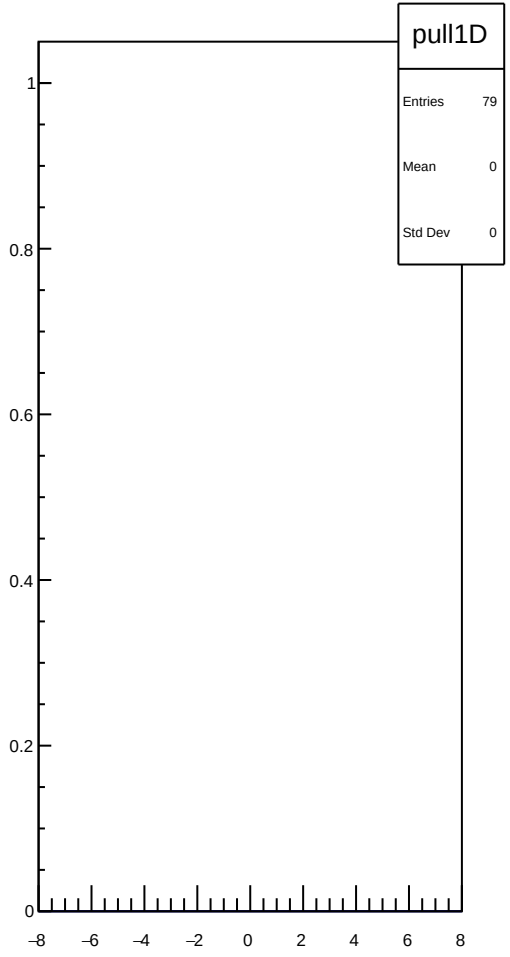


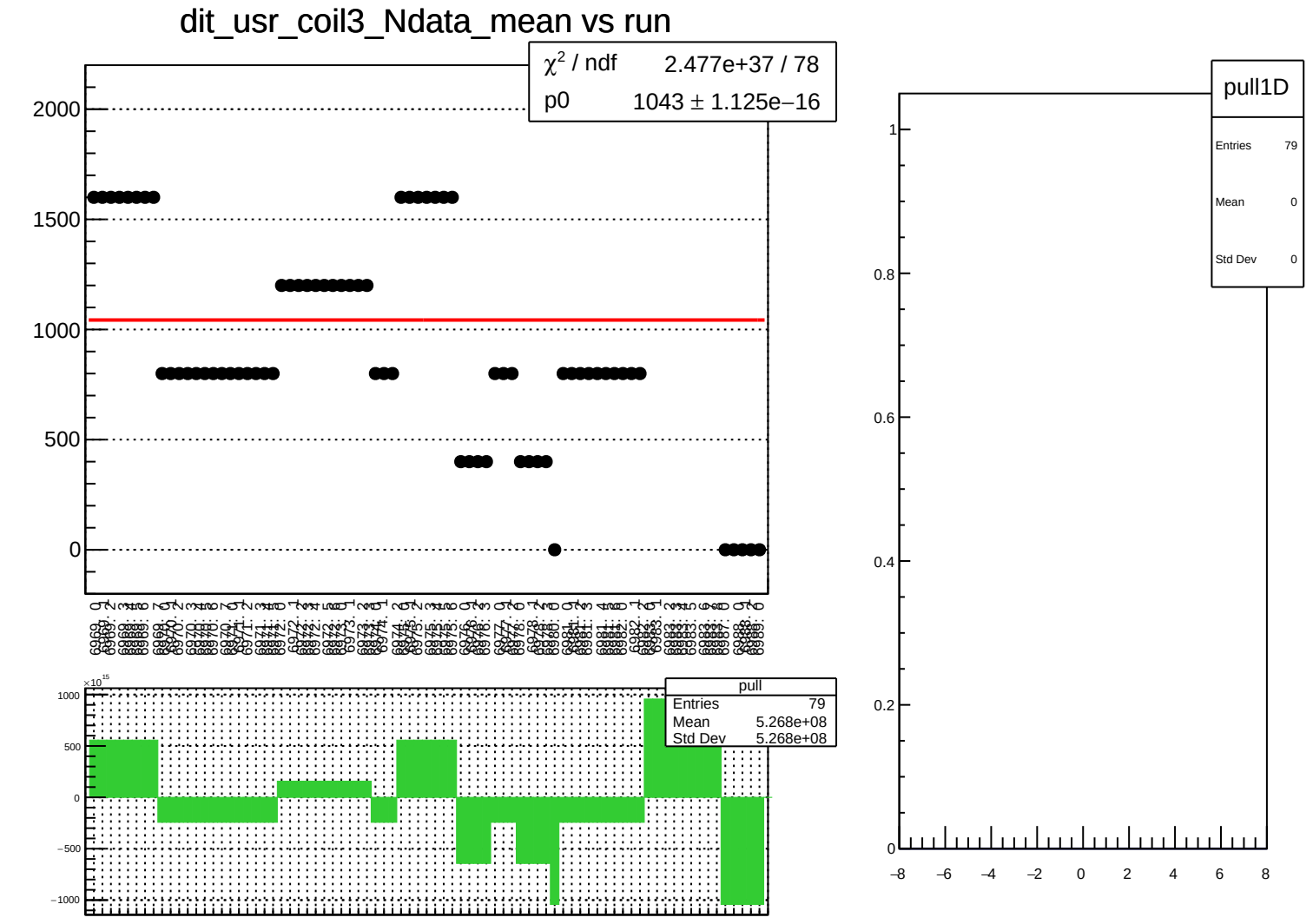
dit_usr_coil3_mean vs run



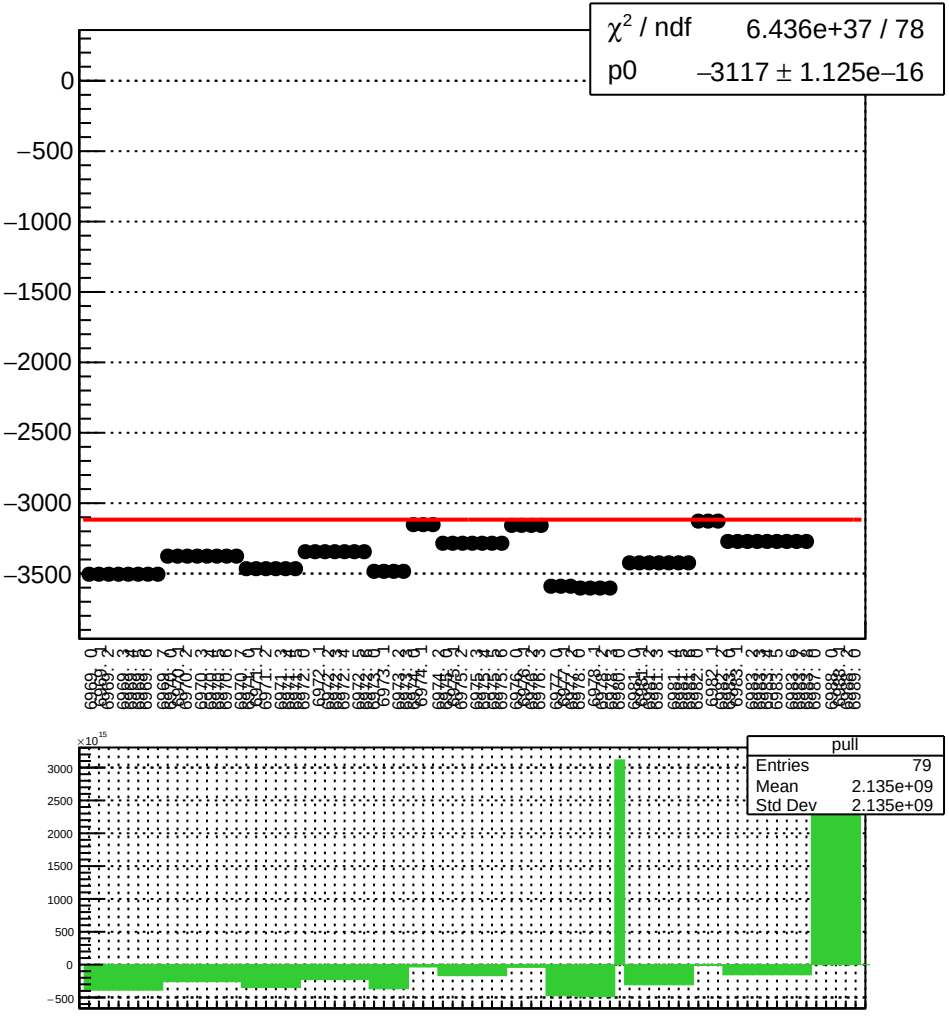


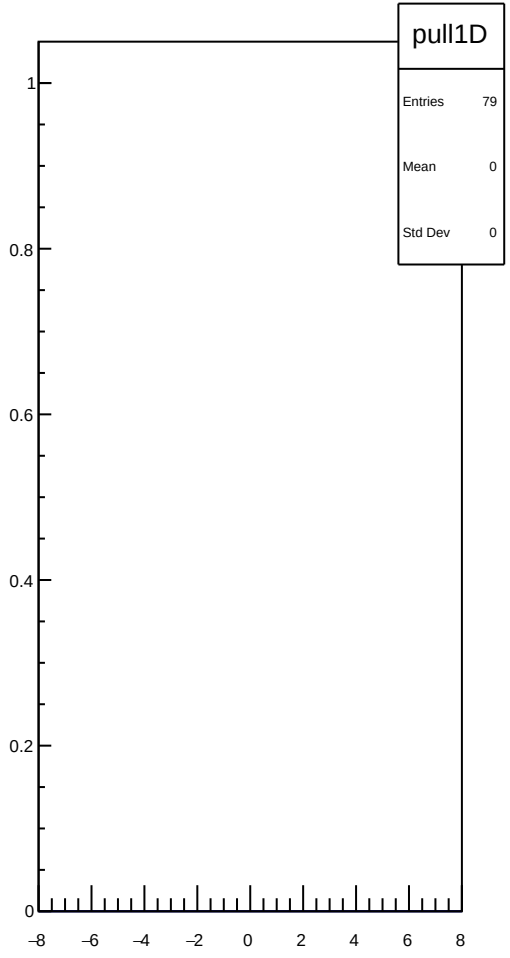

dit_usr_coil3_err_mean vs run
χ² / ndf 5.976e+35 / 78
p0 246.2 ± 1.125e−16
pull
Entries 79
Mean 1.198e+09
Std Dev 1.198e+09

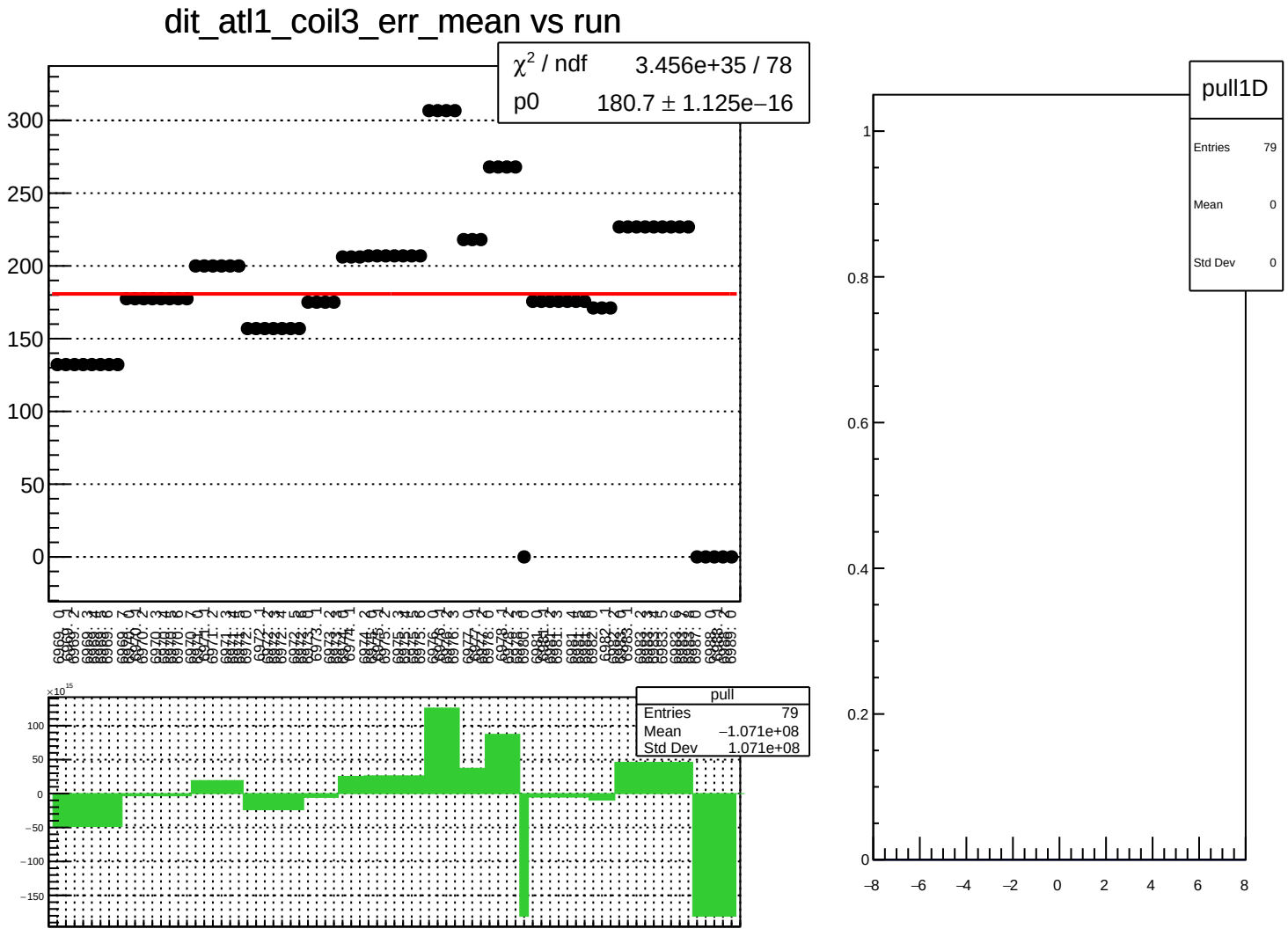

pull1D
Entries 79
Mean 0
Std Dev 0


dit_usr_coil3_Ndata_mean vs run
χ² / ndf 2.477e+37 / 78
p0 1043 ± 1.125e−16
2000
1500
1000
500
0
pull
Entries 79
Mean 5.268e+08
Std Dev 5.268e+08
×10¹⁵
1000
500
0
−500
−1000
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

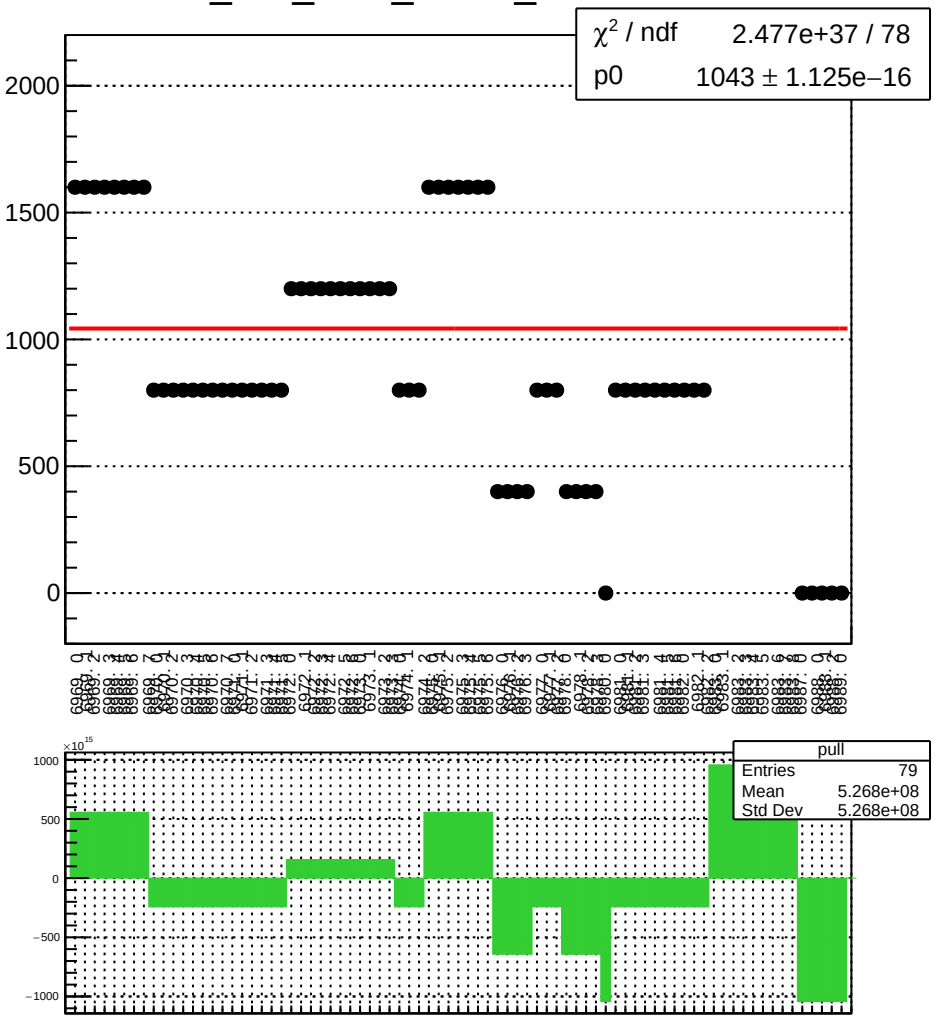
dit_atl1_coil3_mean vs run

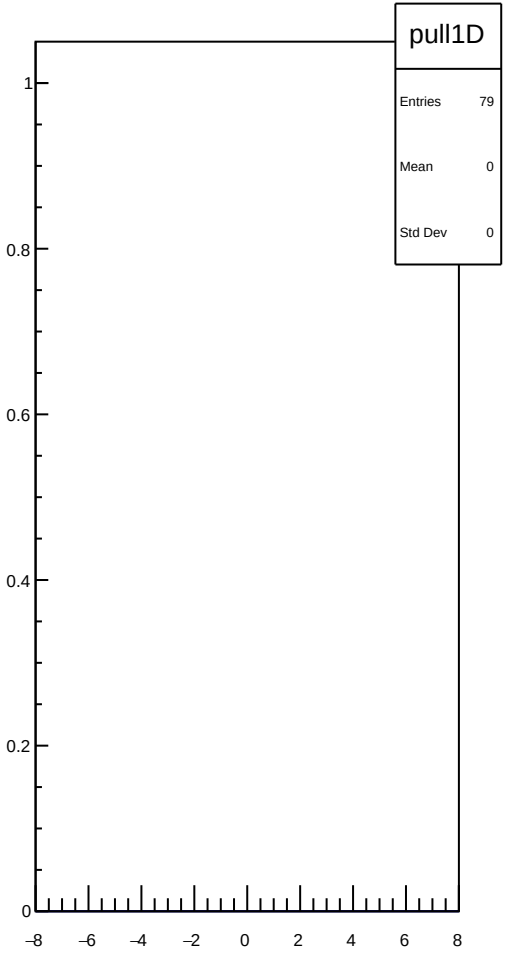




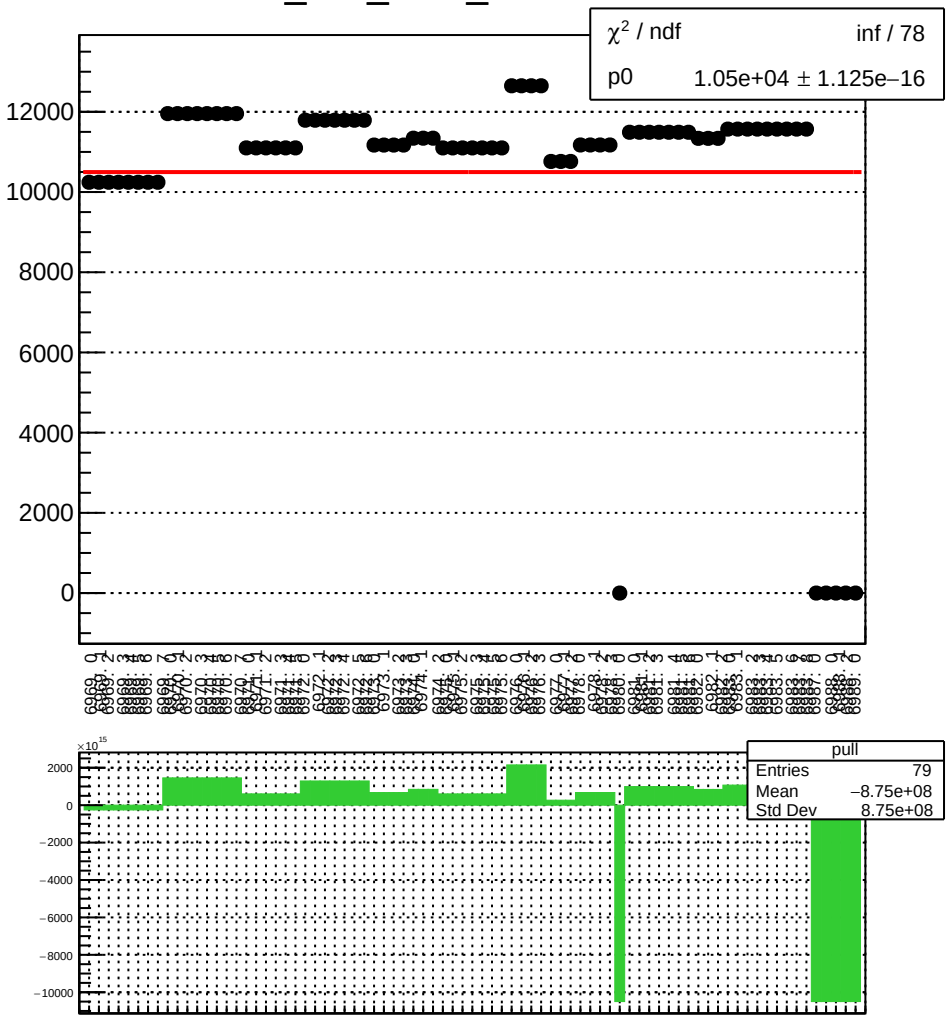

dit_atl1_coil3_err_mean vs run
χ² / ndf 3.456e+35 / 78
p0 180.7 ± 1.125e−16
pull
Entries 79
Mean −1.071e+08
Std Dev 1.071e+08
pull1D
Entries 79
Mean 0
Std Dev 0

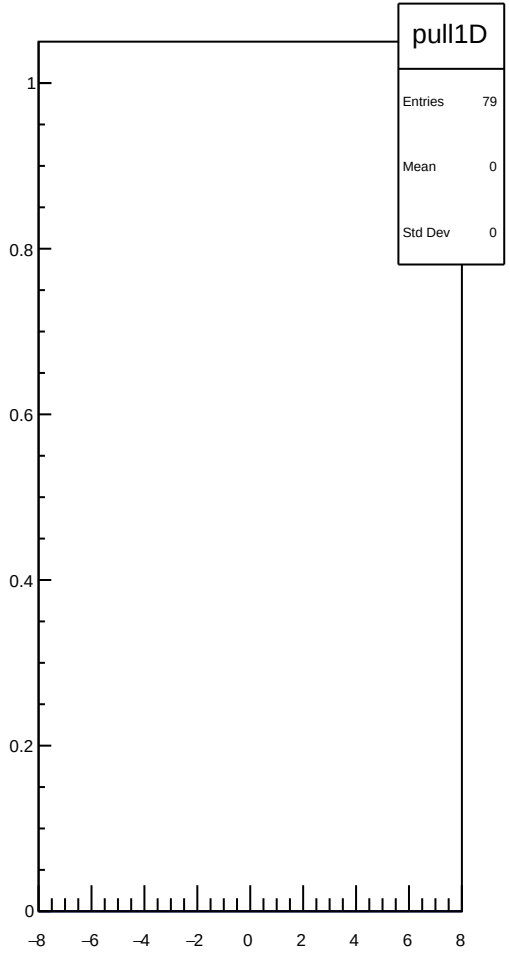
dit_atl1_coil3_Ndata_mean vs run



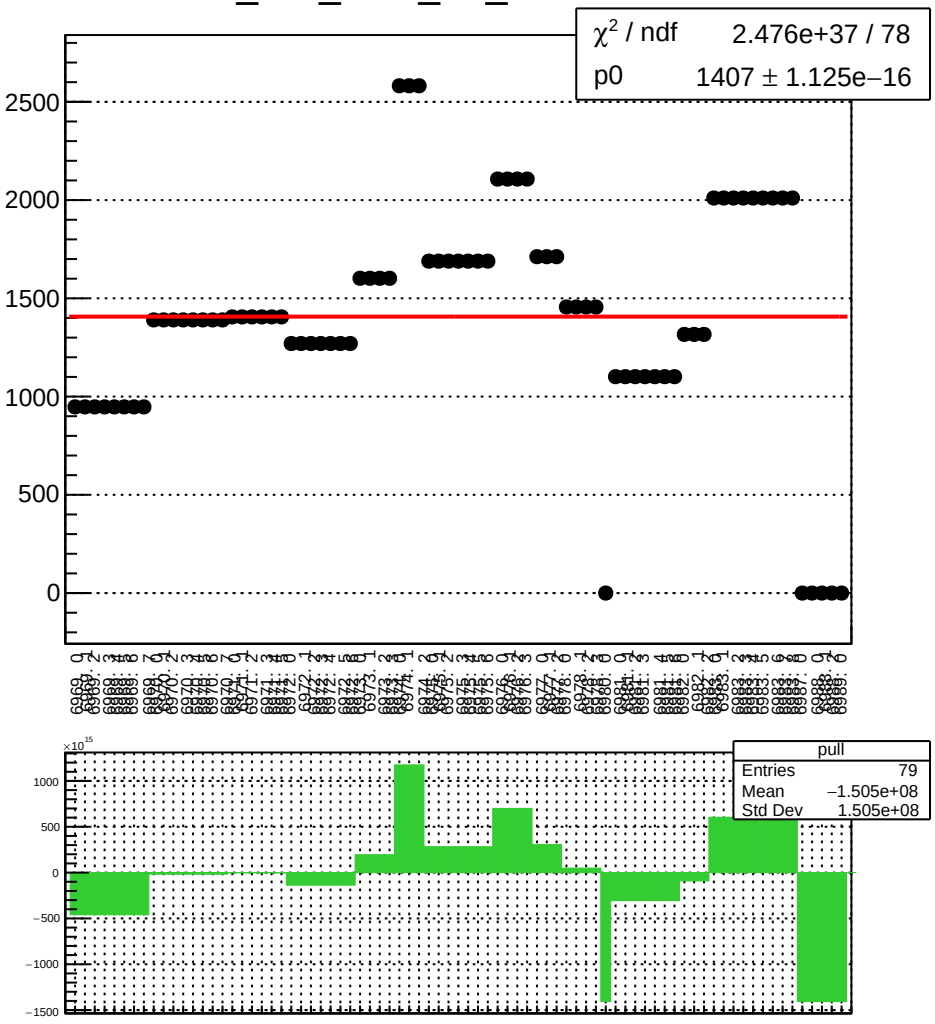


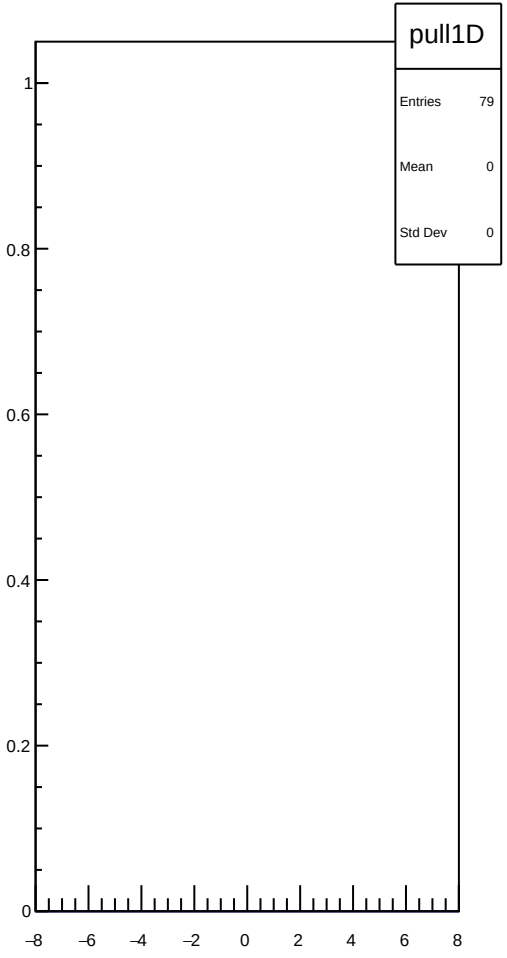
dit_atl2_coil3_mean vs run



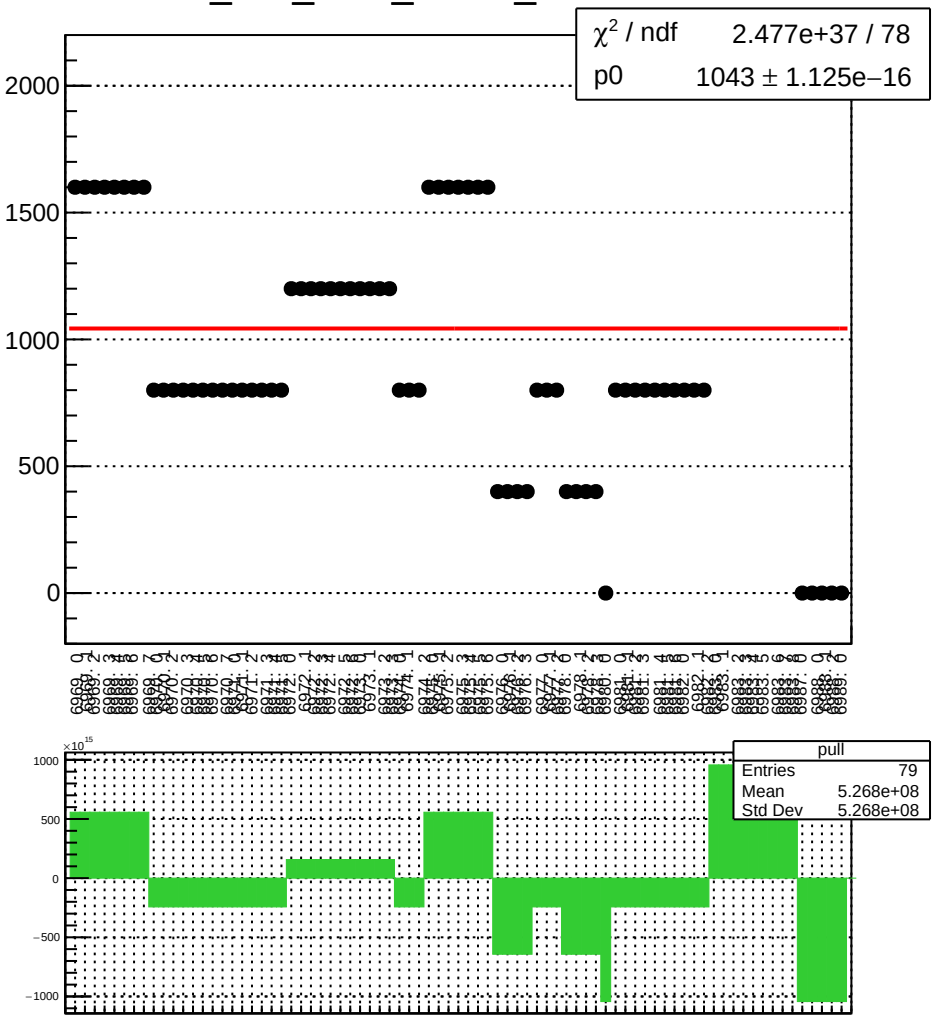


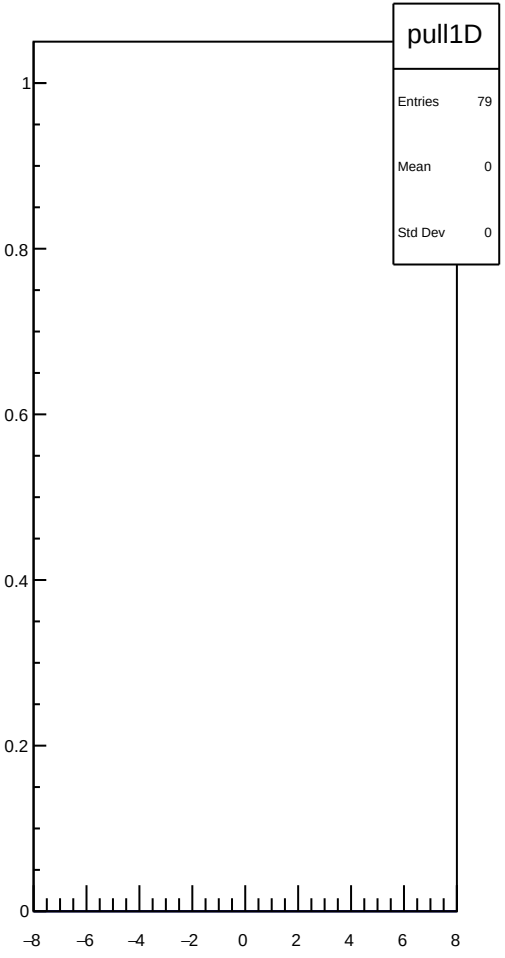
dit_atl2_coil3_err_mean vs run

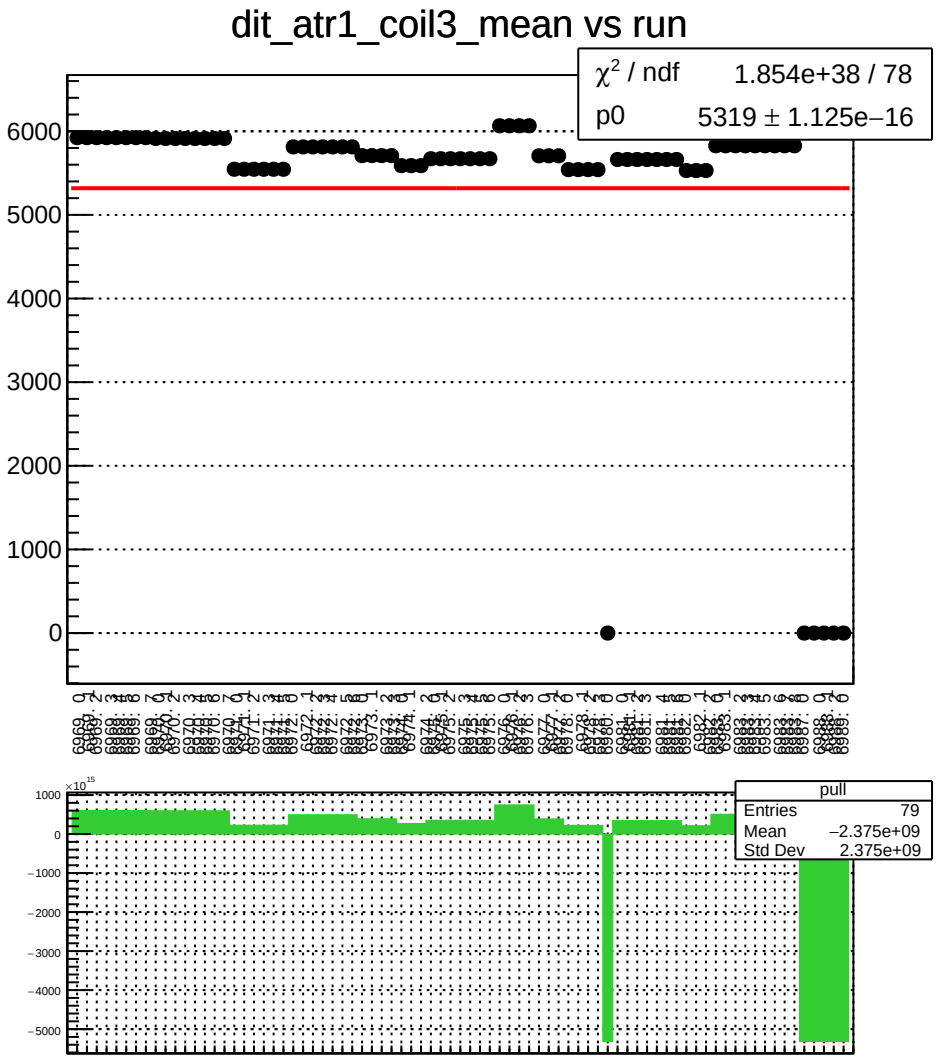


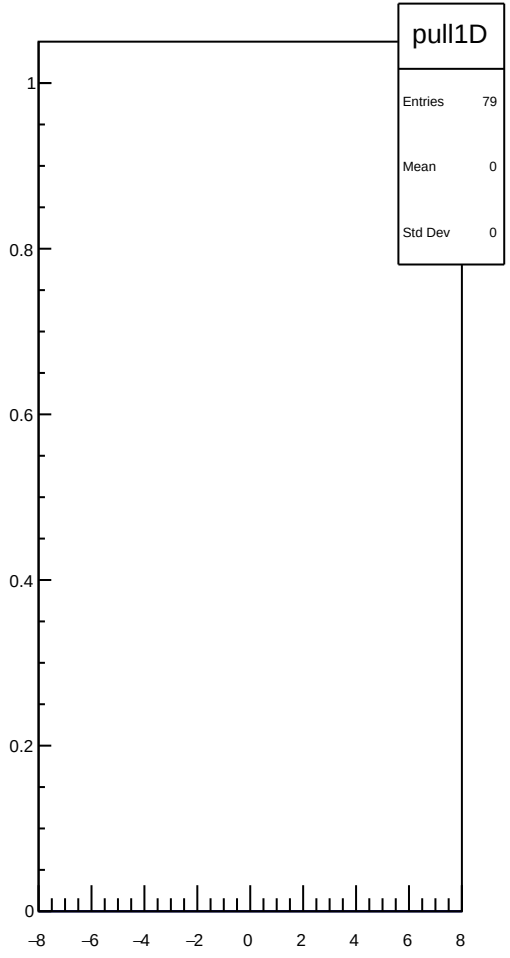


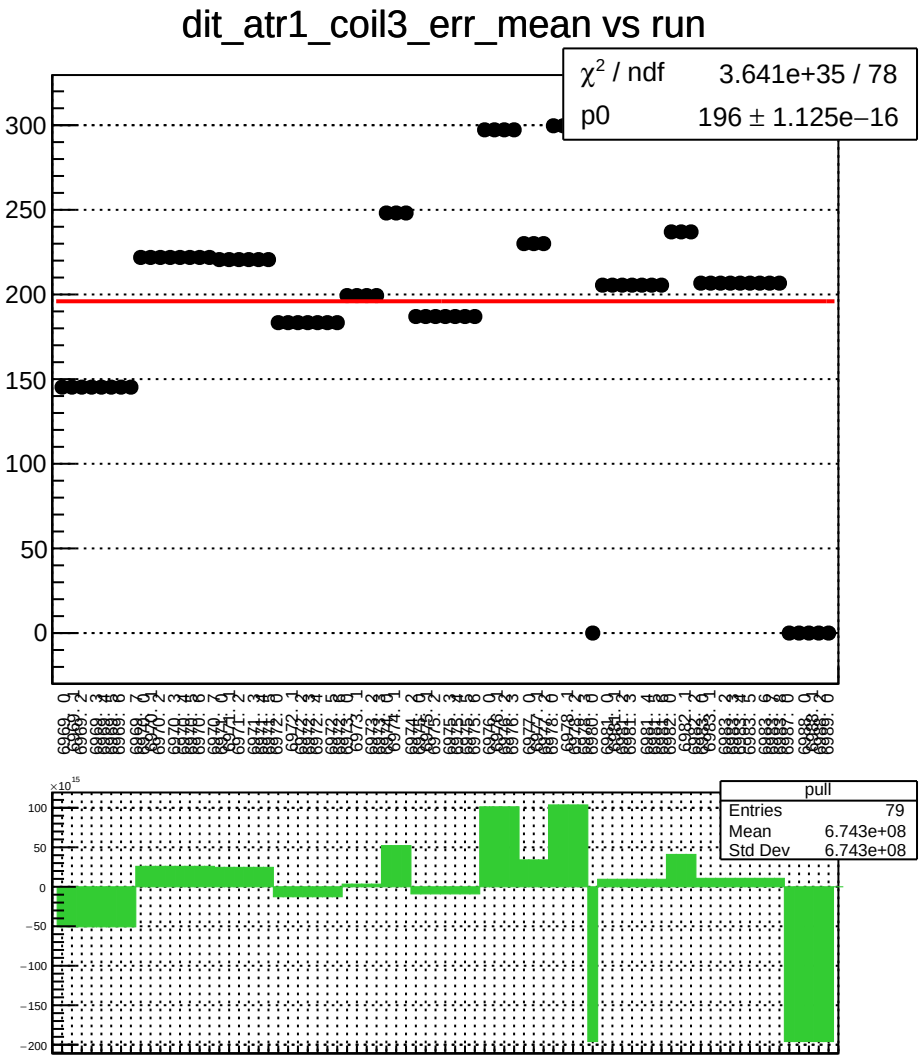
dit_atl2_coil3_Ndata_mean vs run

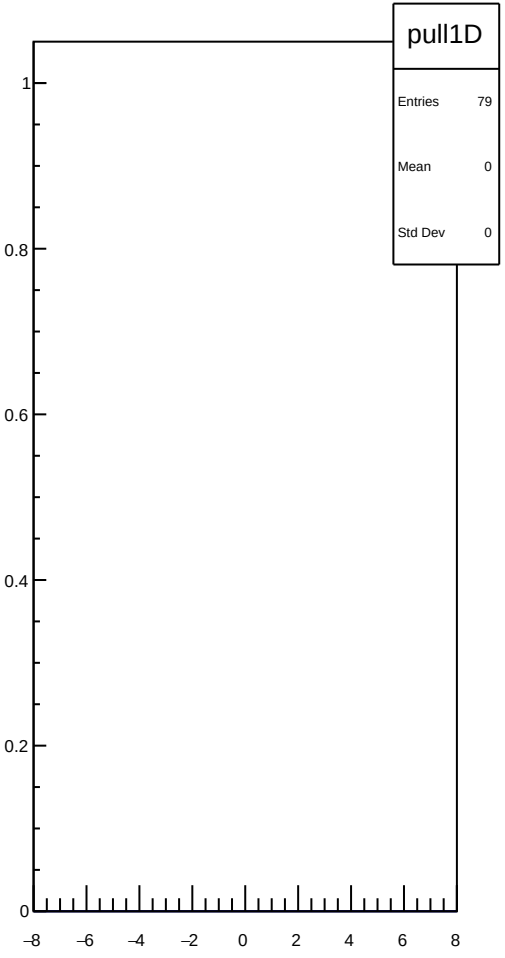




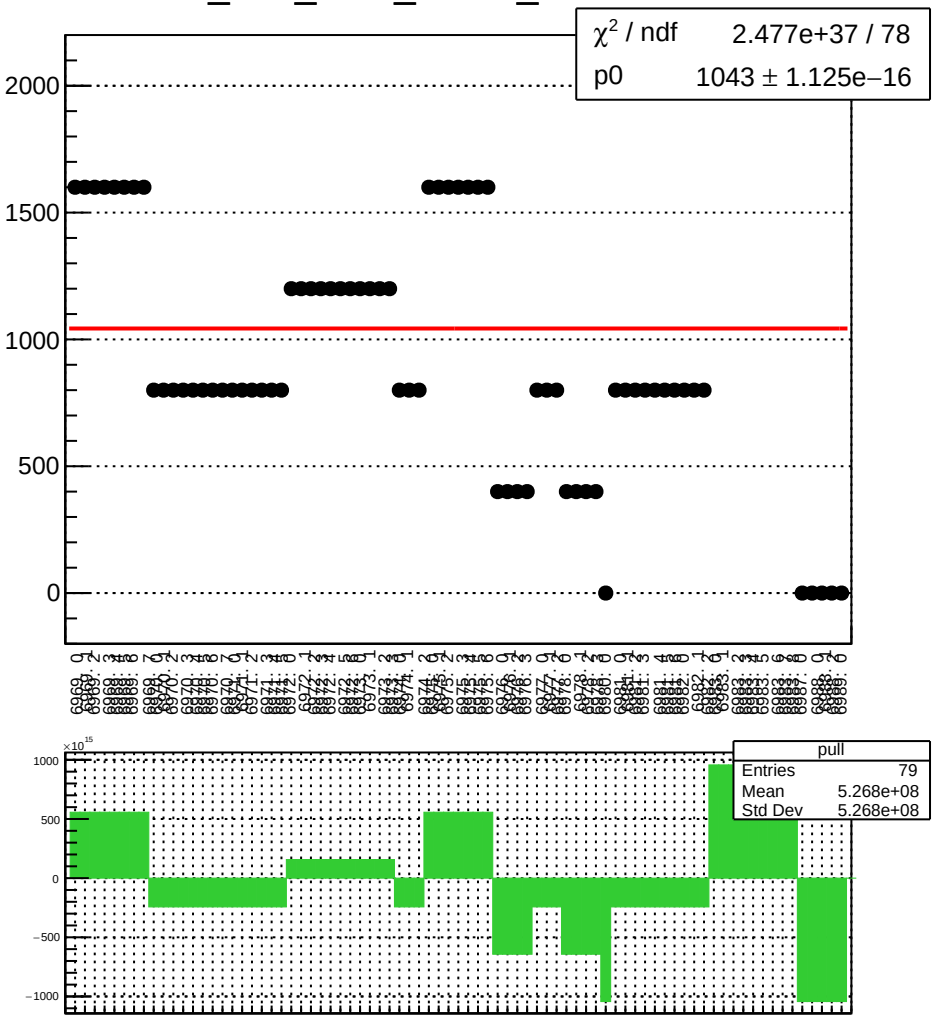

dit_atr1_coil3_mean vs run
χ² / ndf 1.854e+38 / 78
p0 5319 ± 1.125e−16
6000
5000
4000
3000
2000
1000
0
pull
Entries 79
Mean −2.375e+09
Std Dev 2.375e+09
1000
0
−1000
−2000
−3000
−4000
−5000

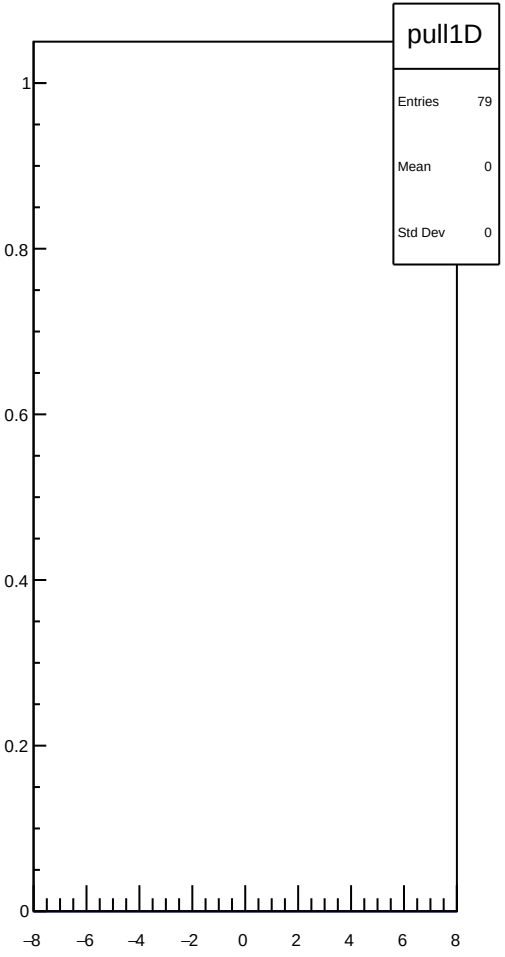

pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

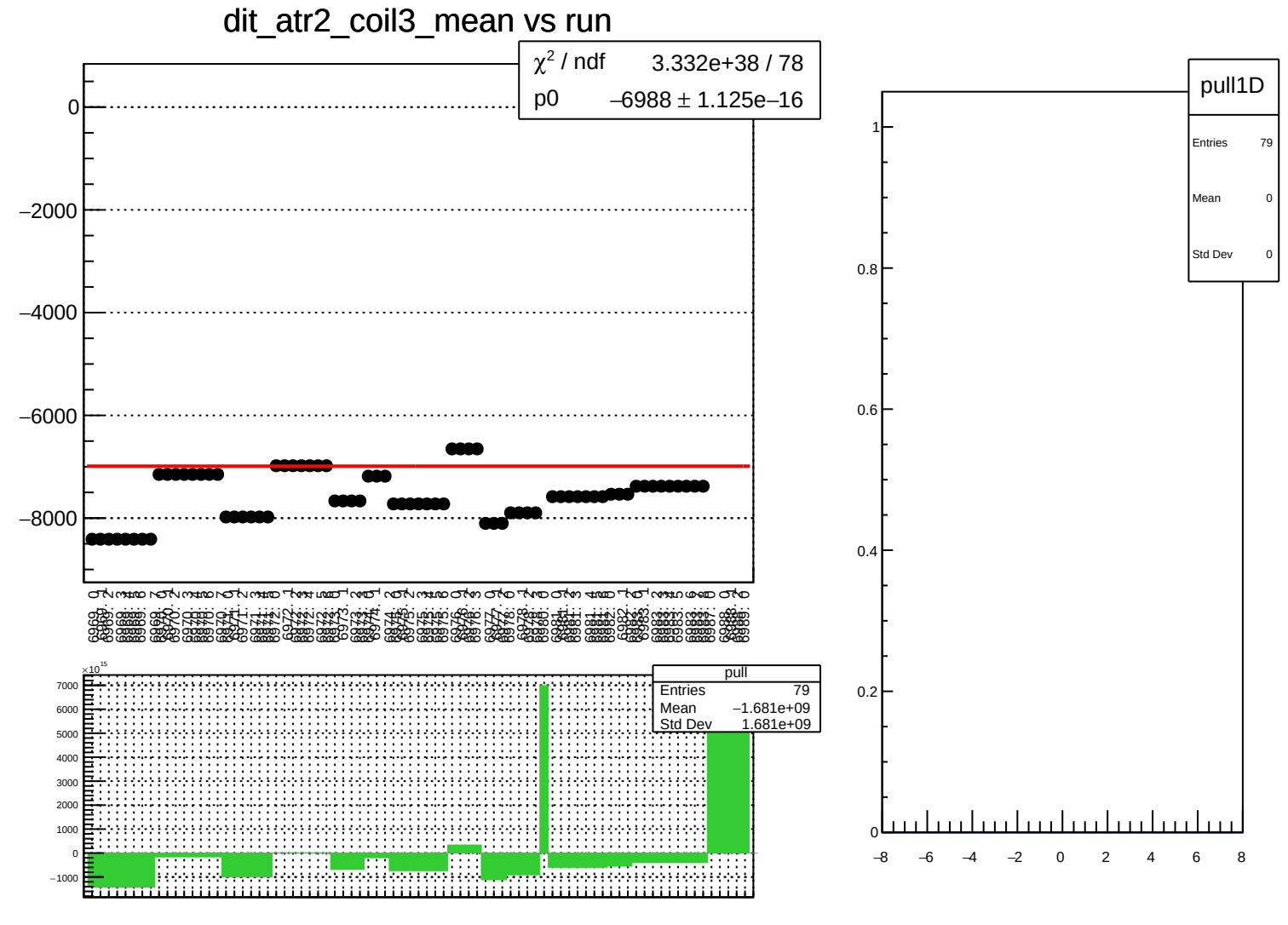

dit_atr1_coil3_err_mean vs run
χ² / ndf 3.641e+35 / 78
p0 196 ± 1.125e−16
pull
Entries 79
Mean 6.743e+08
Std Dev 6.743e+08

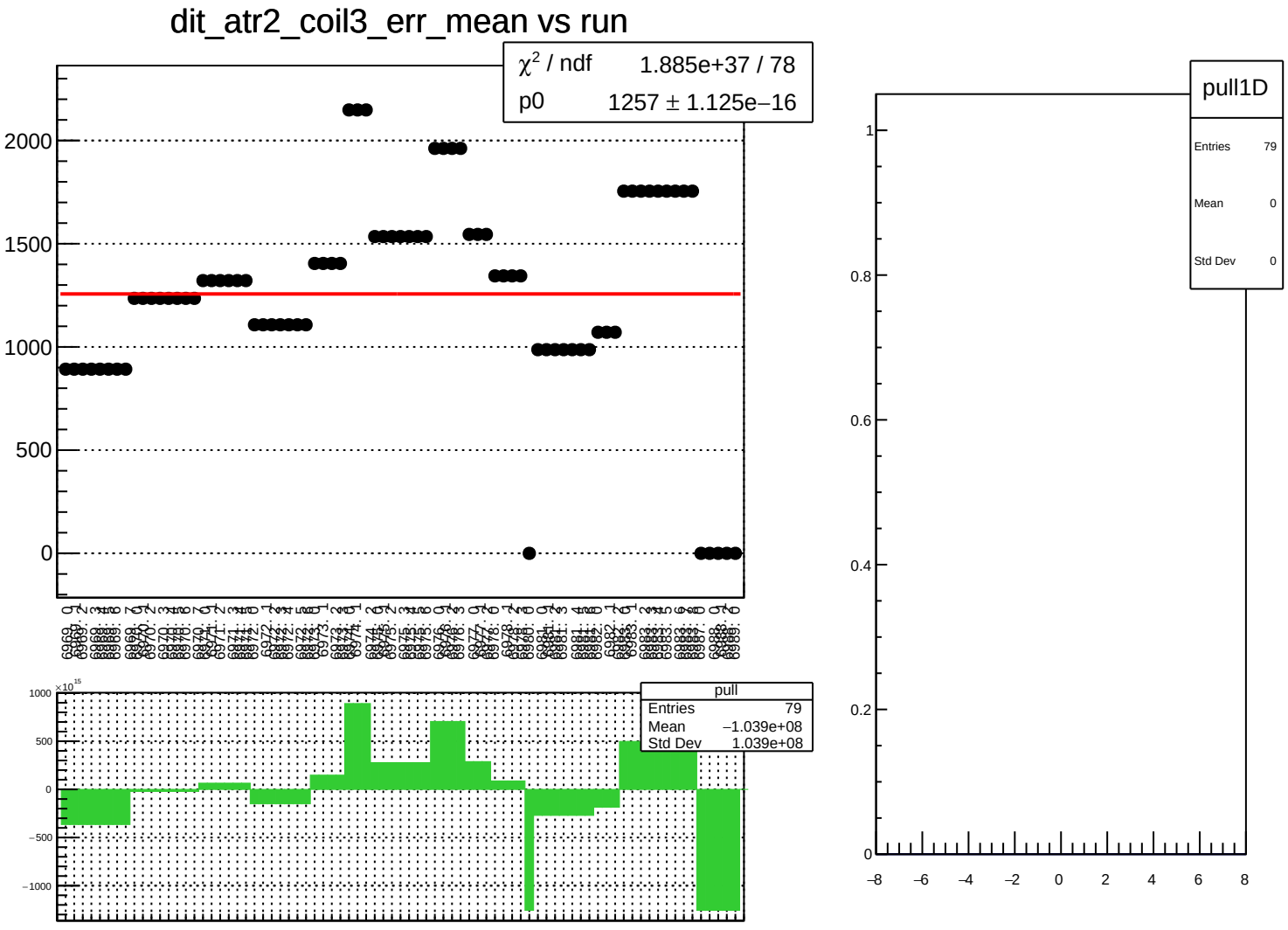

pull1D
Entries 79
Mean 0
Std Dev 0

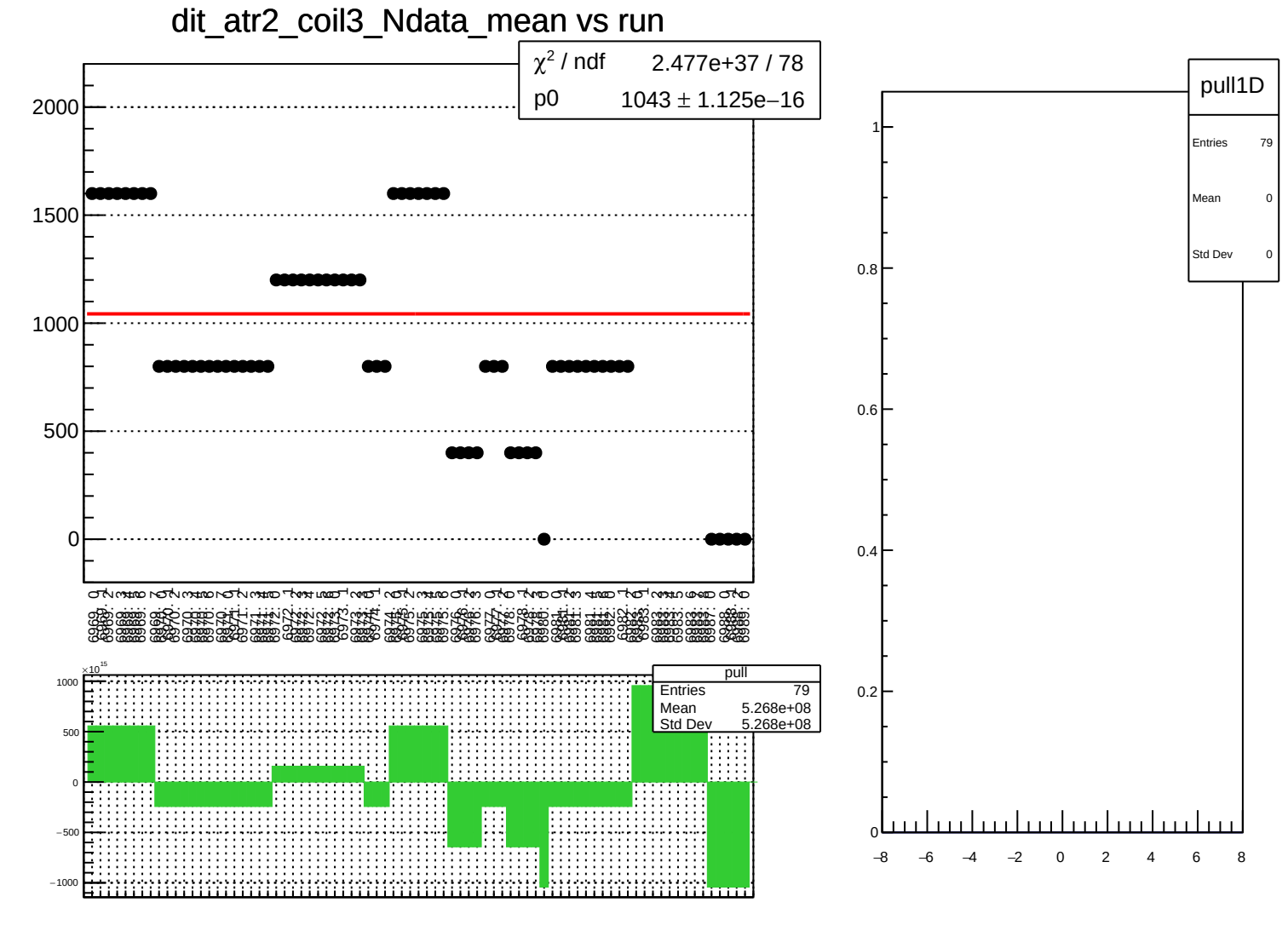
dit_atr1_coil3_Ndata_mean vs run

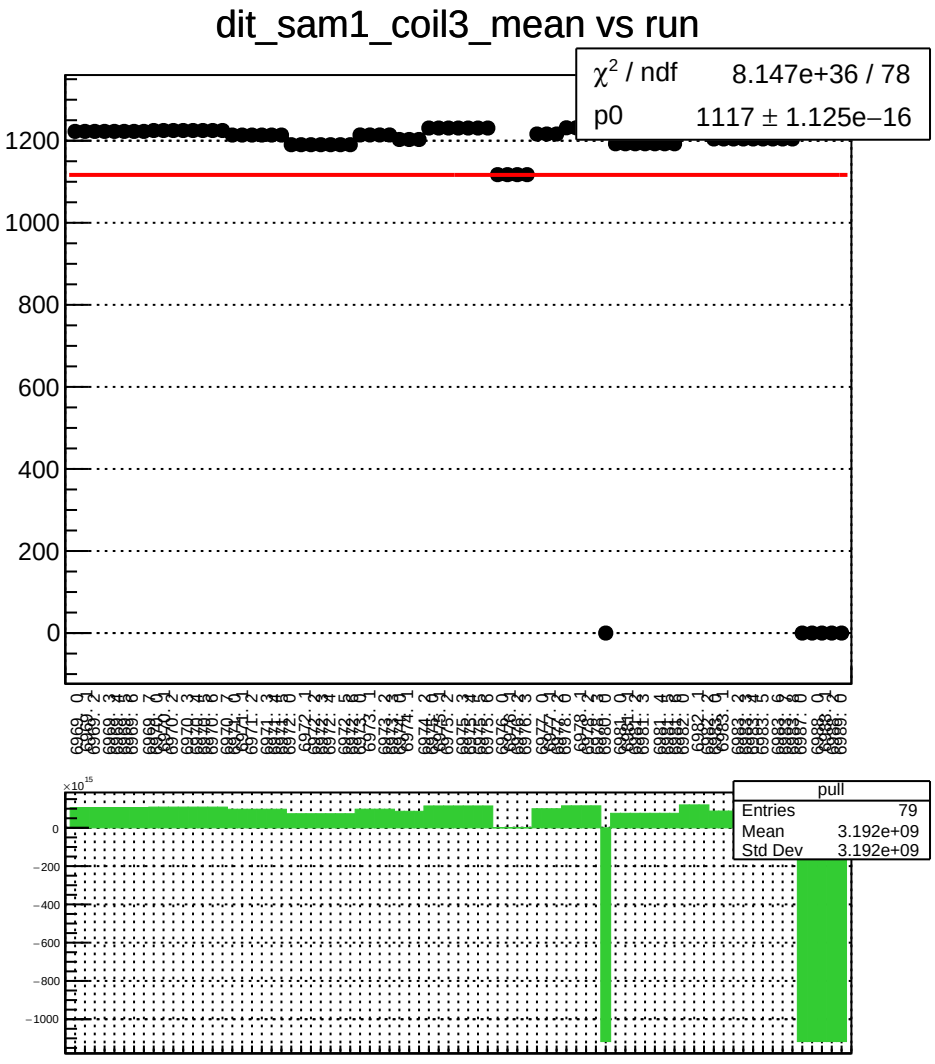


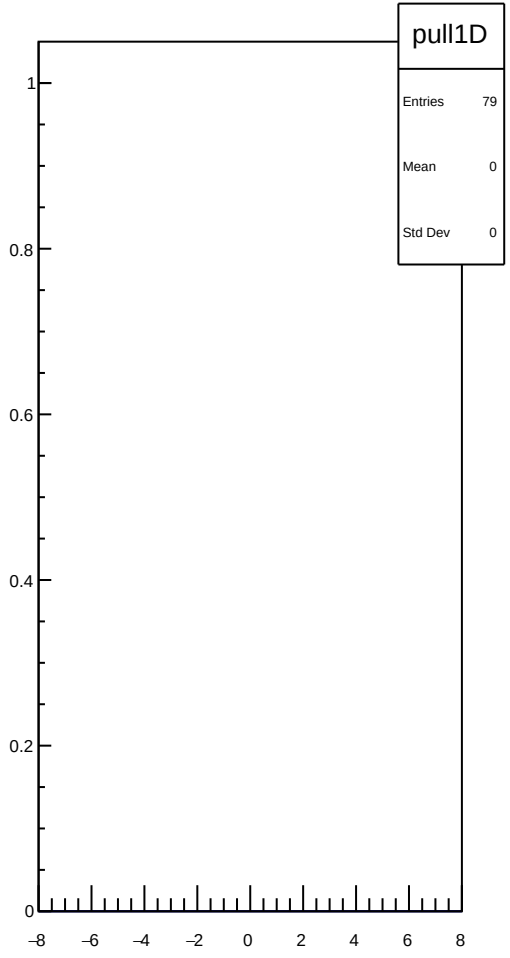


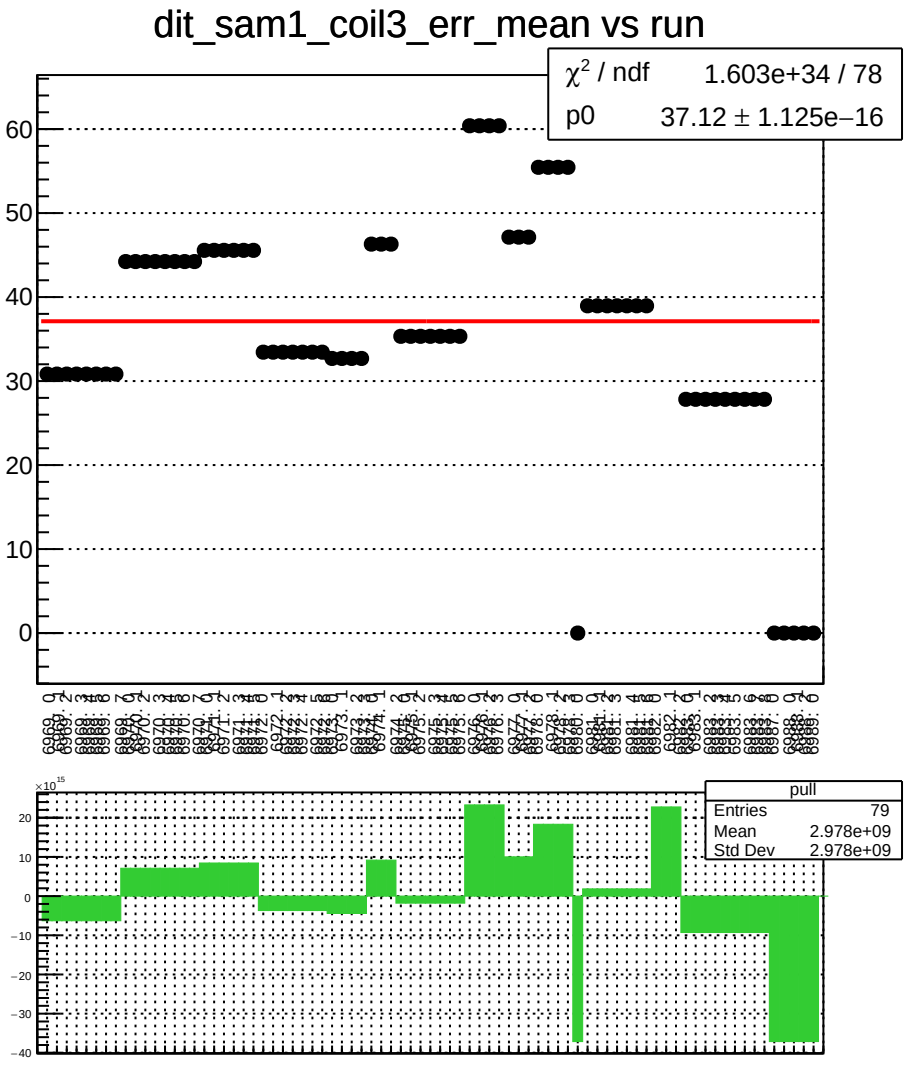

dit_atr2_coil3_mean vs run
χ² / ndf 3.332e+38 / 78
p0 –6988 ± 1.125e–16
0
–2000
–4000
–6000
–8000
pull
Entries 79
Mean –1.681e+09
Std Dev 1.681e+09
×10¹⁵
7000
6000
5000
4000
3000
2000
1000
0
–1000
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

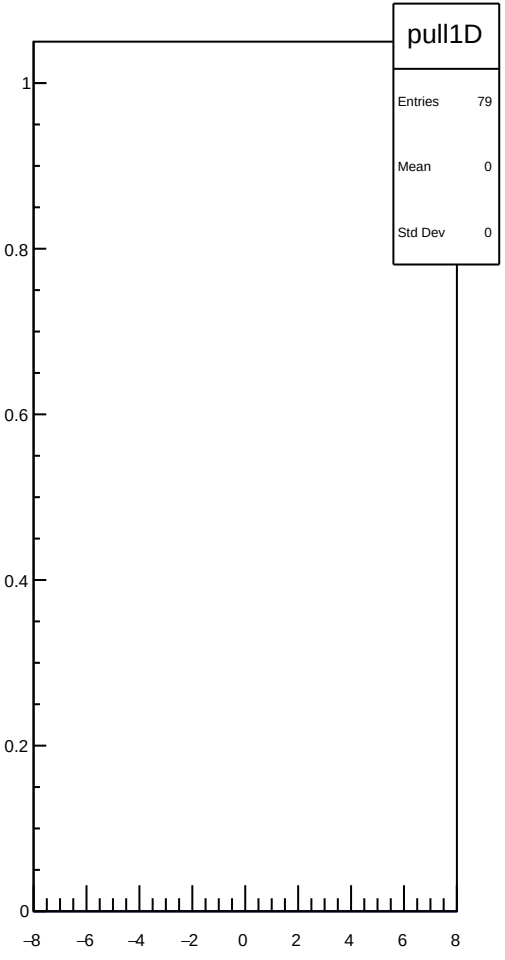

dit_atr2_coil3_err_mean vs run
χ² / ndf 1.885e+37 / 78
p0 1257 ± 1.125e−16
2000
1500
1000
500
0
pull
Entries 79
Mean −1.039e+08
Std Dev 1.039e+08
1000
500
0
−500
−1000
×10¹⁵
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

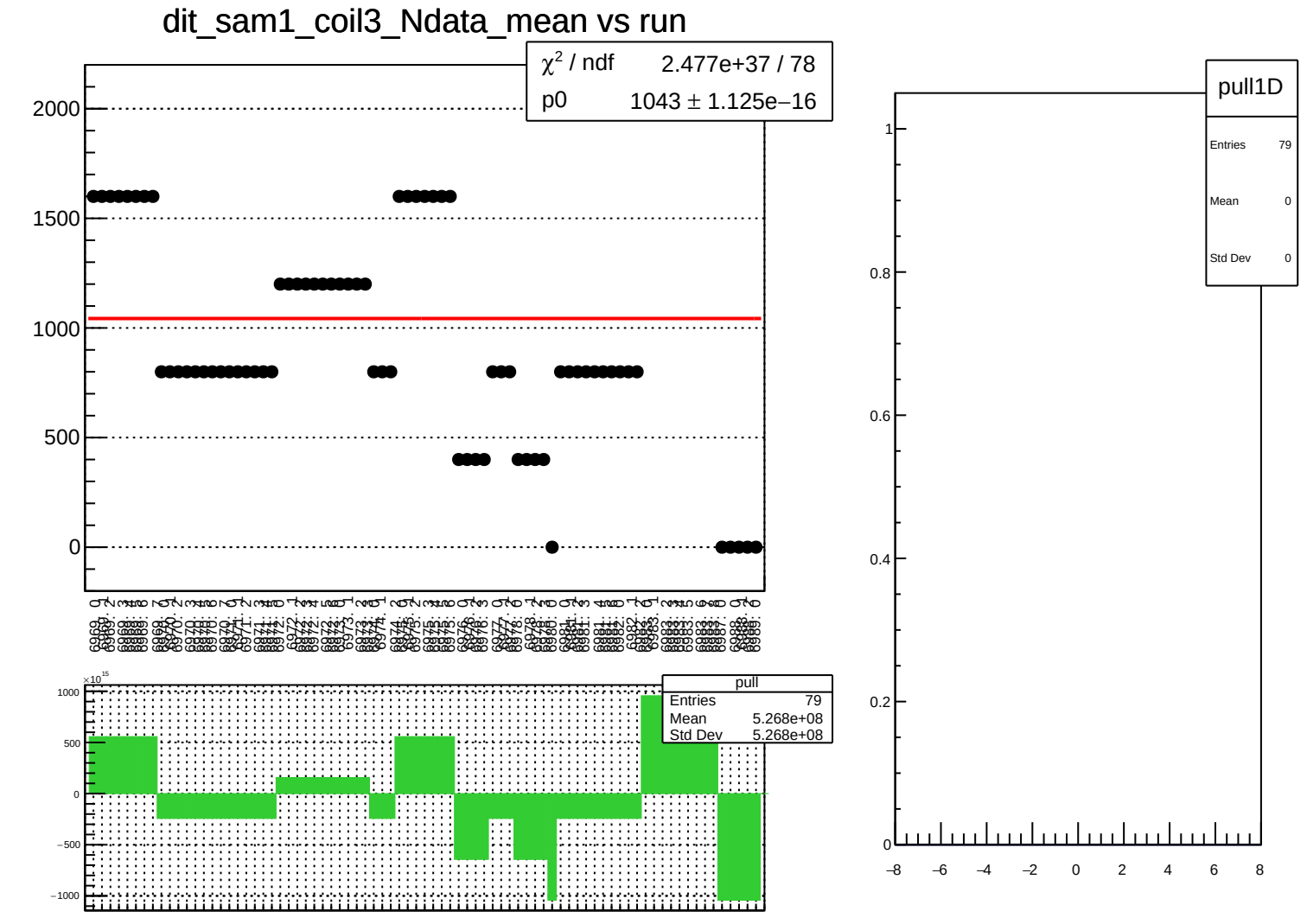

dit_atr2_coil3_Ndata_mean vs run
χ^2 / ndf 2.477e+37 / 78
p0 1043 ± 1.125e−16
2000
1500
1000
500
0
pull
Entries 79
Mean 5.268e+08
Std Dev 5.268e+08
1000
500
0
−500
−1000
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

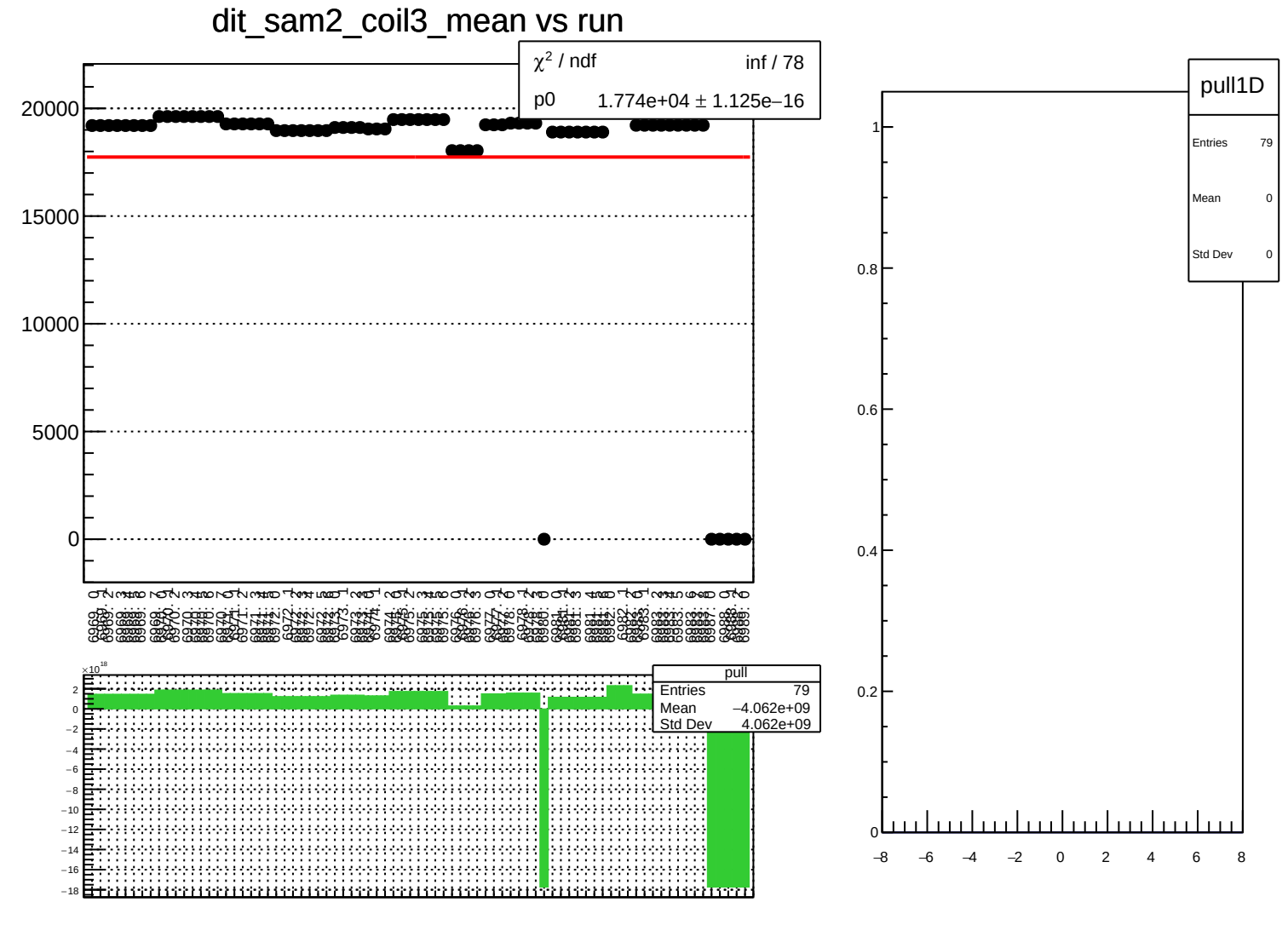

dit_sam1_coil3_mean vs run
χ^2 / ndf 8.147e+36 / 78
p0 1117 ± 1.125e−16
1200
1000
800
600
400
200
0
pull
Entries 79
Mean 3.192e+09
Std Dev 3.192e+09
×10^15
0
−200
−400
−600
−800
−1000

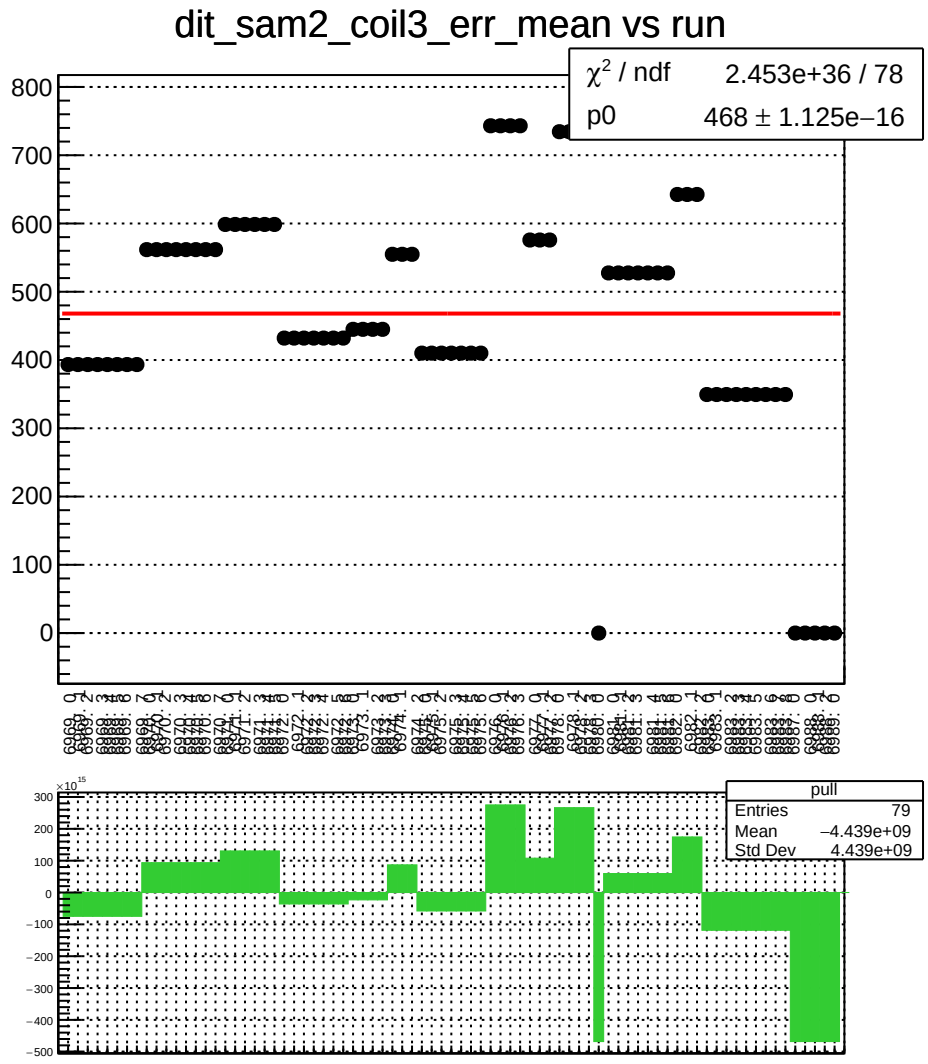

pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

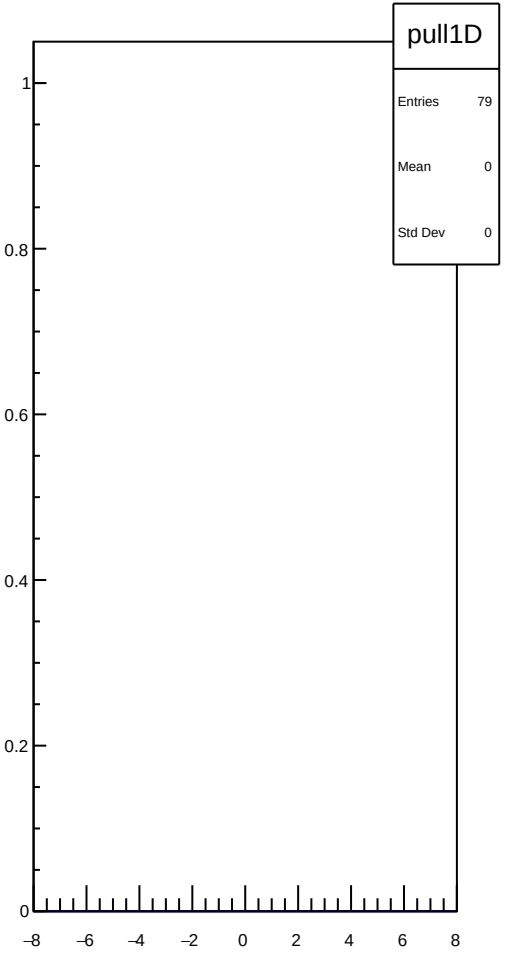

dit_sam1_coil3_err_mean vs run
χ² / ndf 1.603e+34 / 78
p0 37.12 ± 1.125e−16
pull
Entries 79
Mean 2.978e+09
Std Dev 2.978e+09

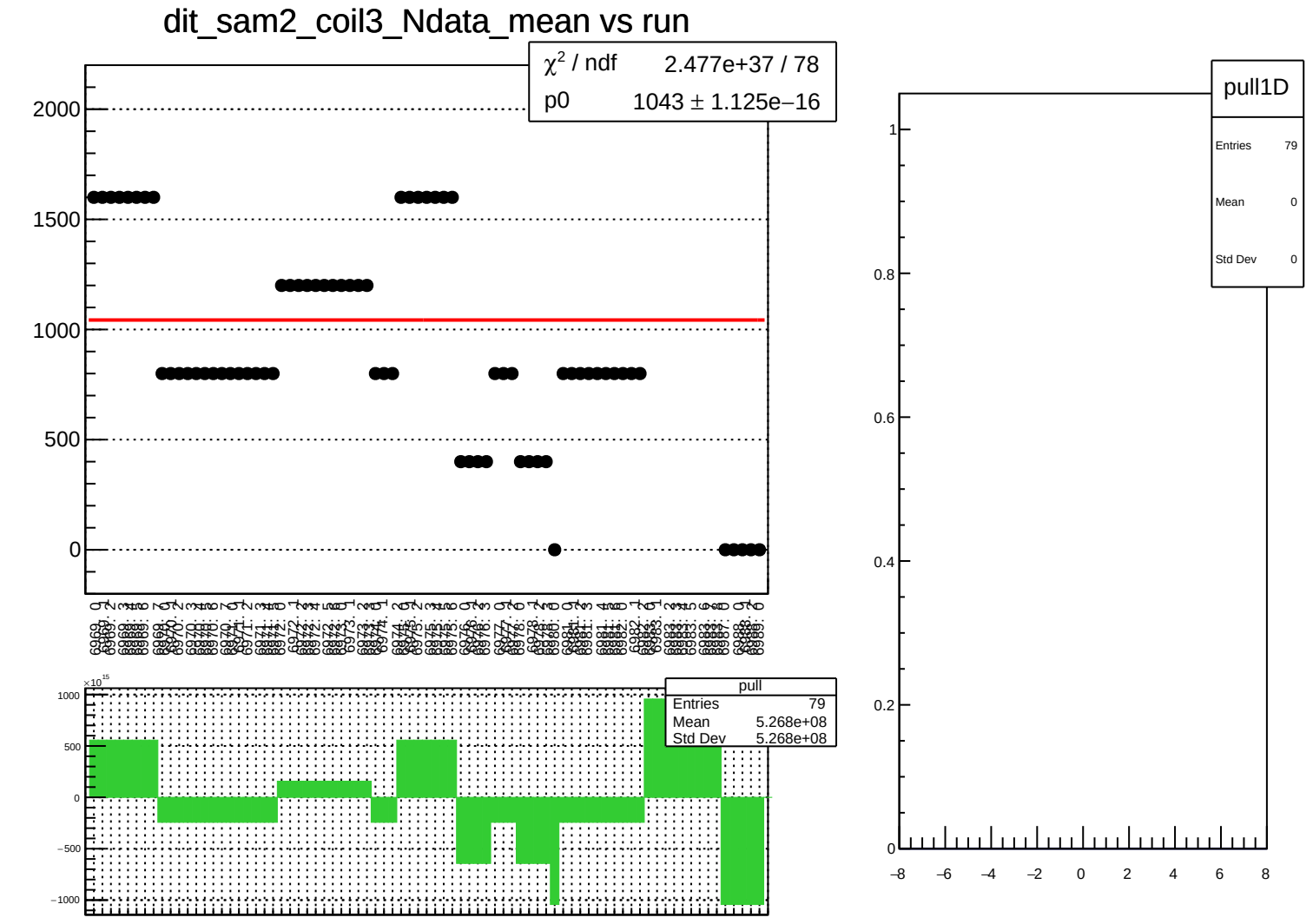

pull1D
Entries 79
Mean 0
Std Dev 0

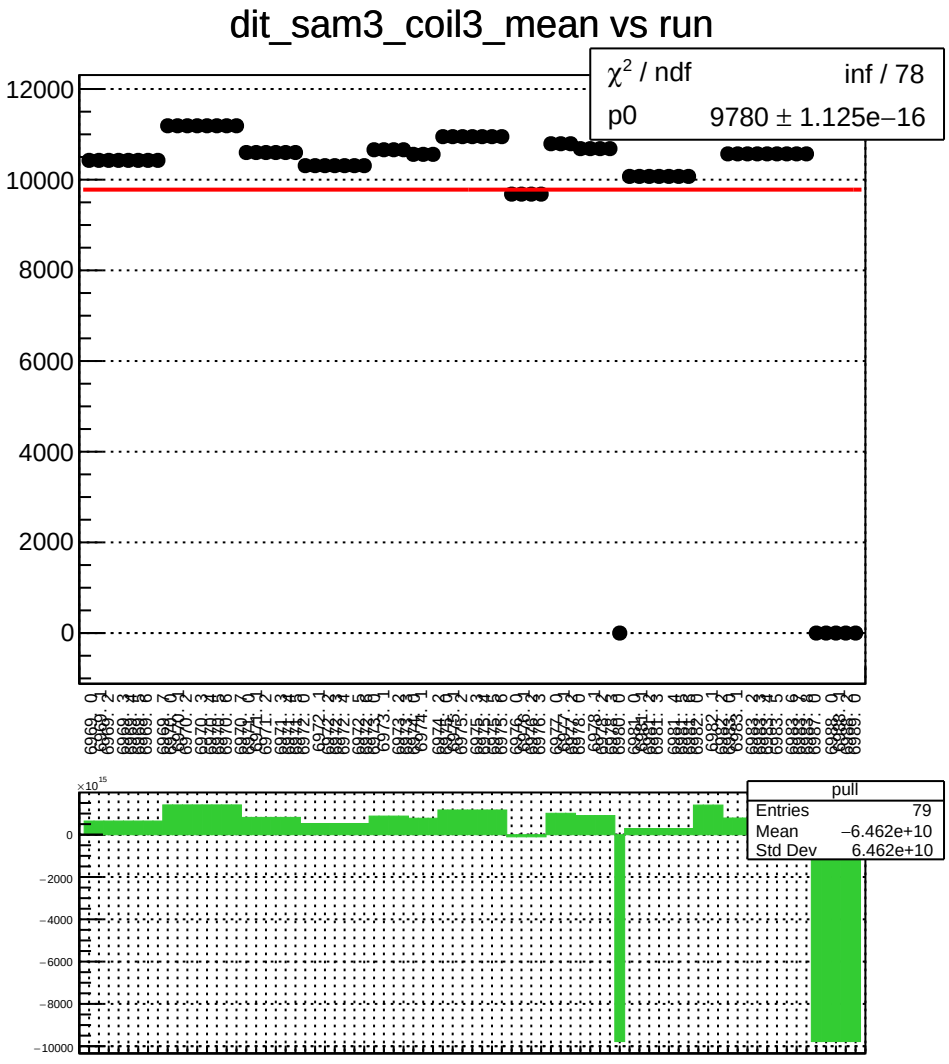

dit_sam1_coil3_Ndata_mean vs run
χ² / ndf 2.477e+37 / 78
p0 1043 ± 1.125e−16
2000
1500
1000
500
0
pull
Entries 79
Mean 5.268e+08
Std Dev 5.268e+08
×10¹⁵
1000
500
0
−500
−1000
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

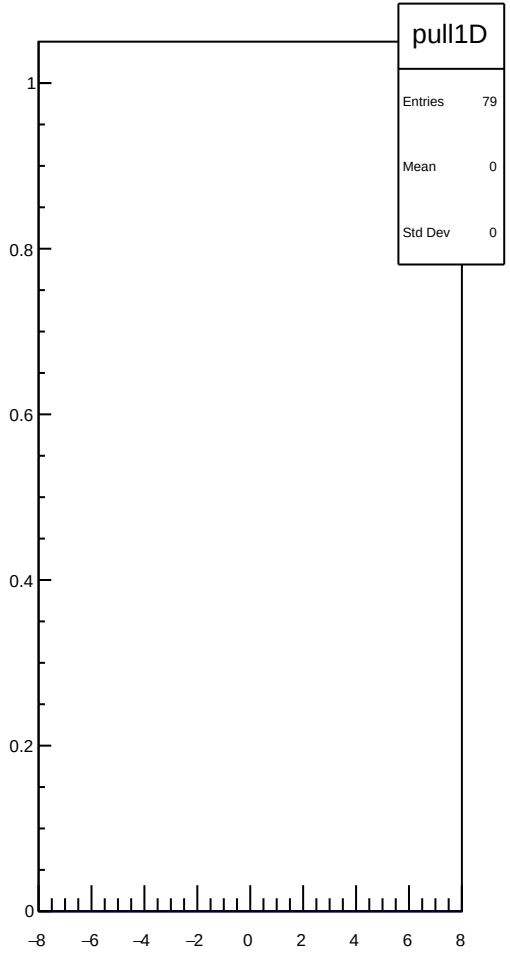

dit_sam2_coil3_mean vs run
χ² / ndf inf / 78
p0 1.774e+04 ± 1.125e−16
20000
15000
10000
5000
0
pull
Entries 79
Mean −4.062e+09
Std Dev 4.062e+09
×10¹⁸
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

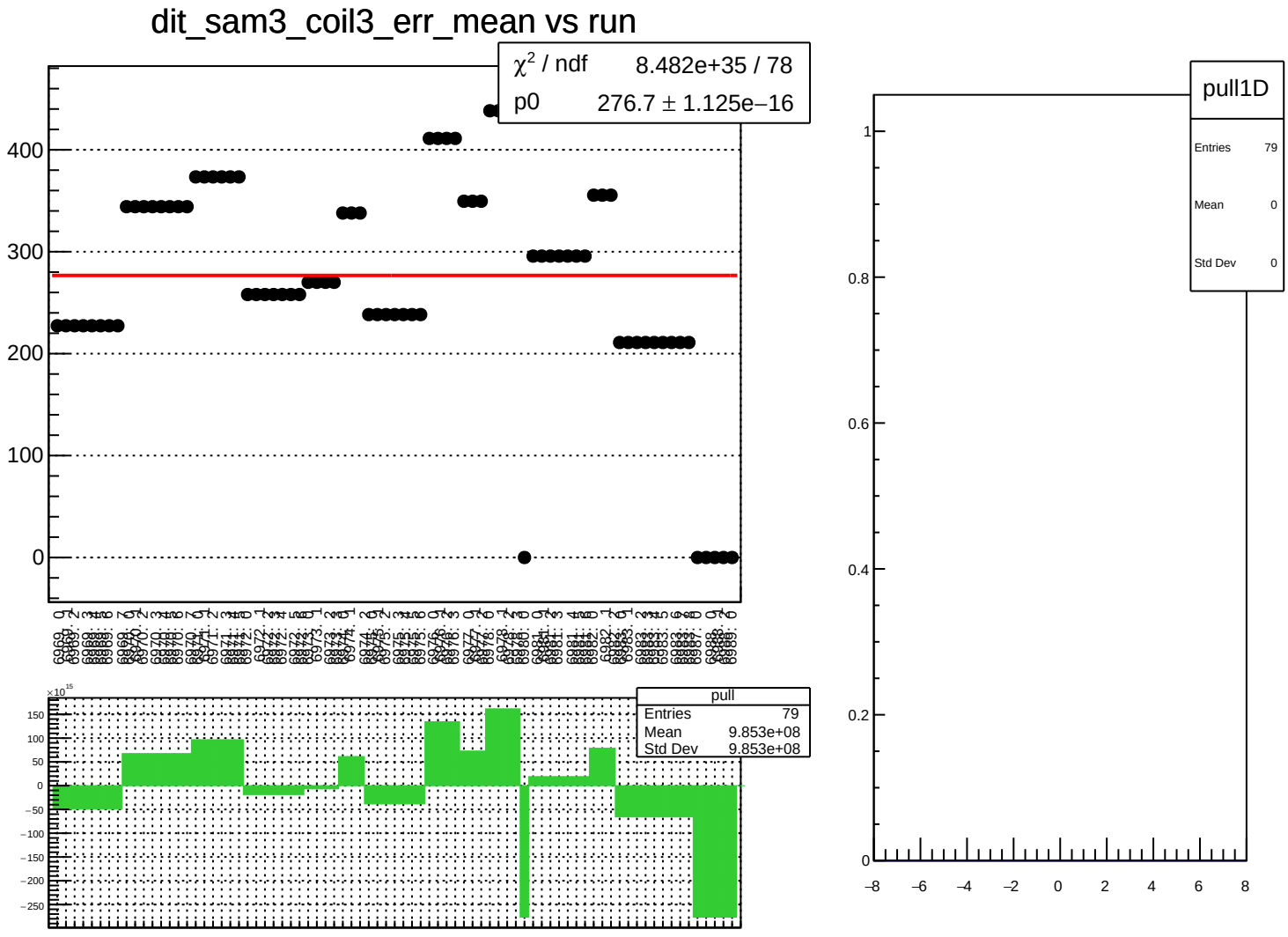

dit_sam2_coil3_err_mean vs run
χ^2 / ndf 2.453e+36 / 78
p0 468 ± 1.125e−16
pull
Entries 79
Mean −4.439e+09
Std Dev 4.439e+09

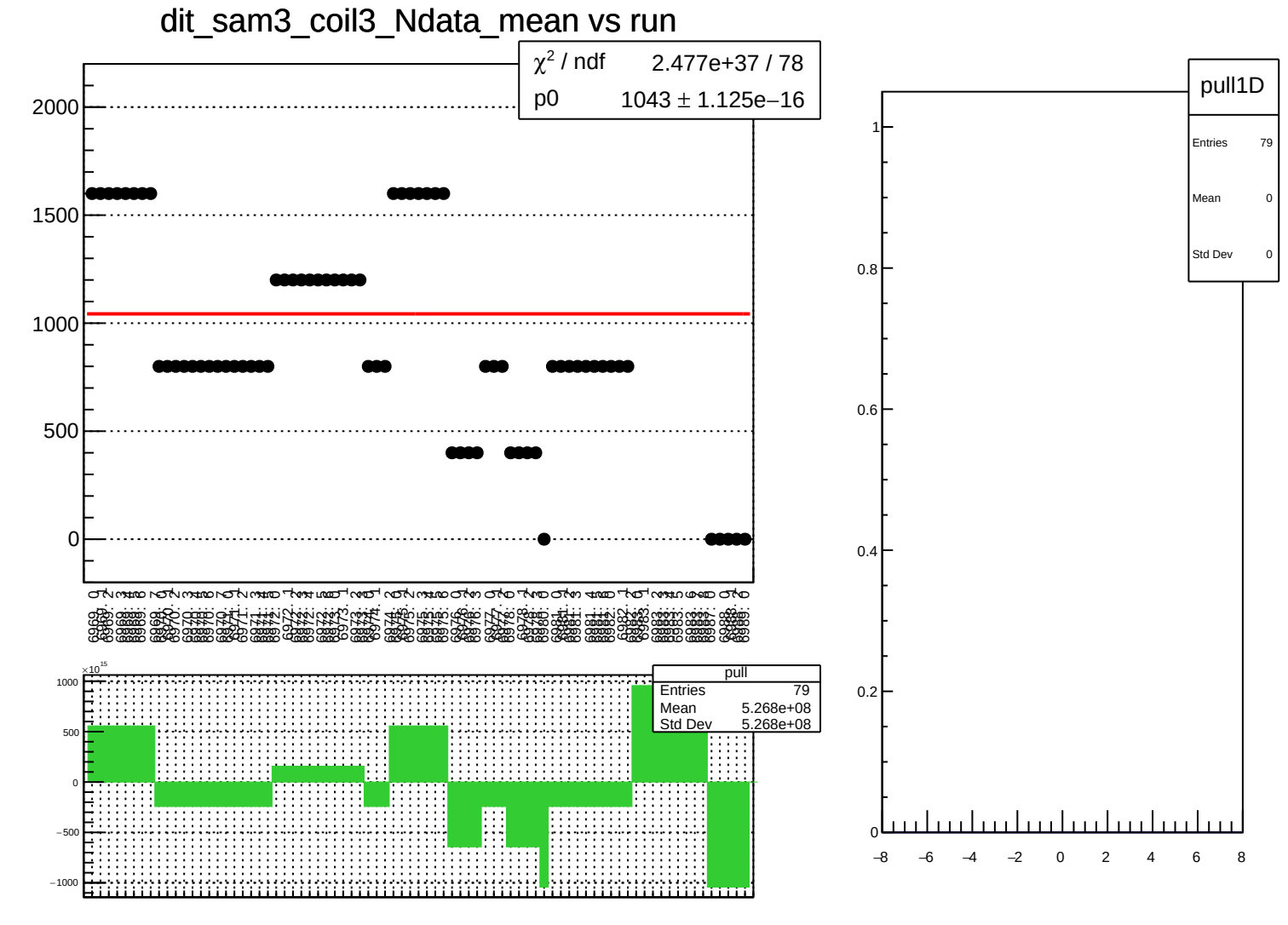

pull1D
Entries 79
Mean 0
Std Dev 0

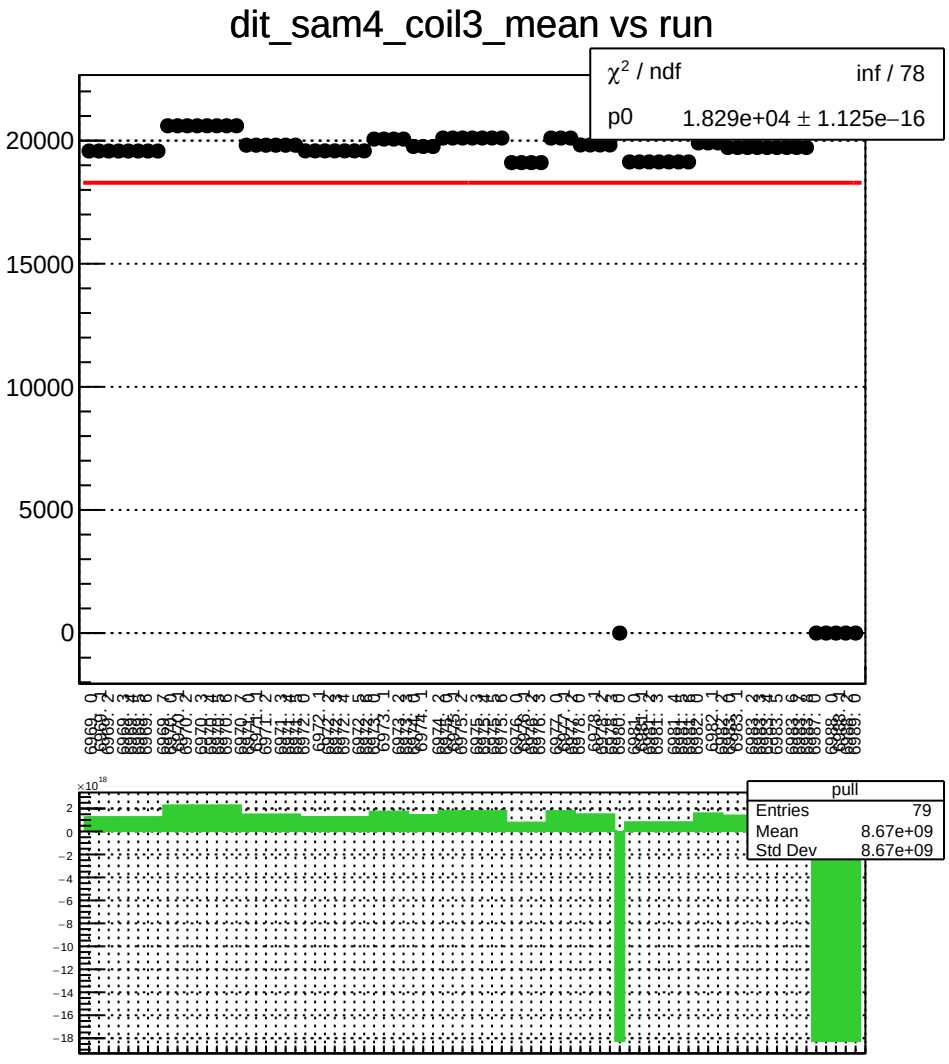

dit_sam2_coil3_Ndata_mean vs run
χ^2 / ndf 2.477e+37 / 78
p0 1043 ± 1.125e−16
2000
1500
1000
500
0
pull
Entries 79
Mean 5.268e+08
Std Dev 5.268e+08
1000
500
0
−500
−1000
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

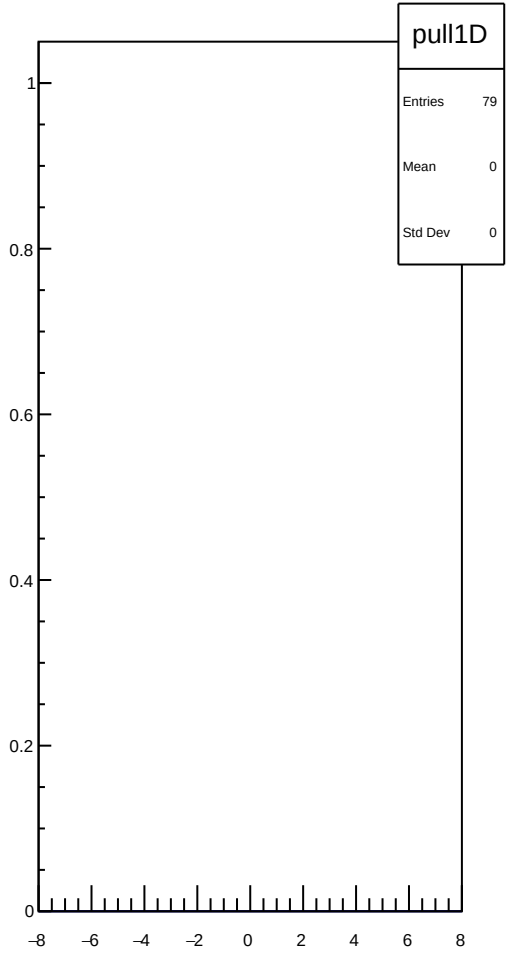

dit_sam3_coil3_mean vs run
χ^2 / ndf inf / 78
p0 9780 ± 1.125e−16
12000
10000
8000
6000
4000
2000
0
pull
Entries 79
Mean −6.462e+10
Std Dev 6.462e+10
×10^15
0
−2000
−4000
−6000
−8000
−10000

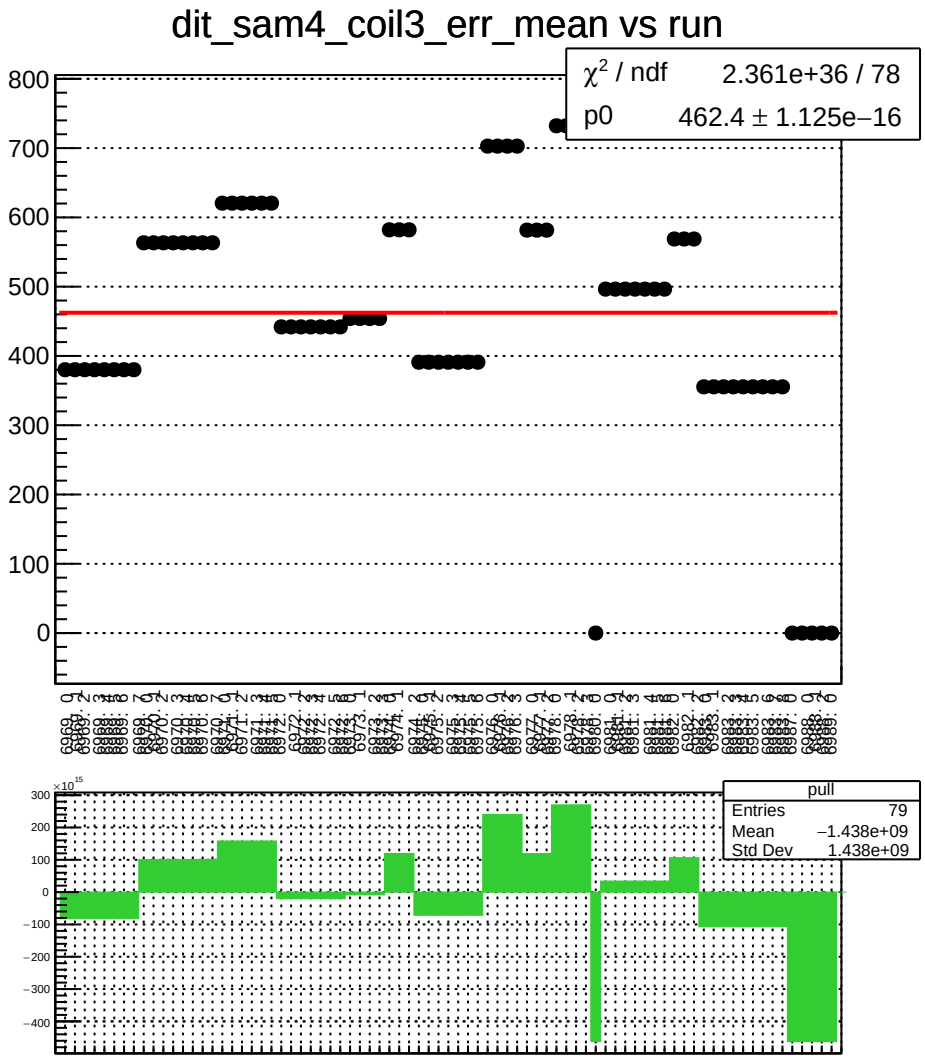

pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

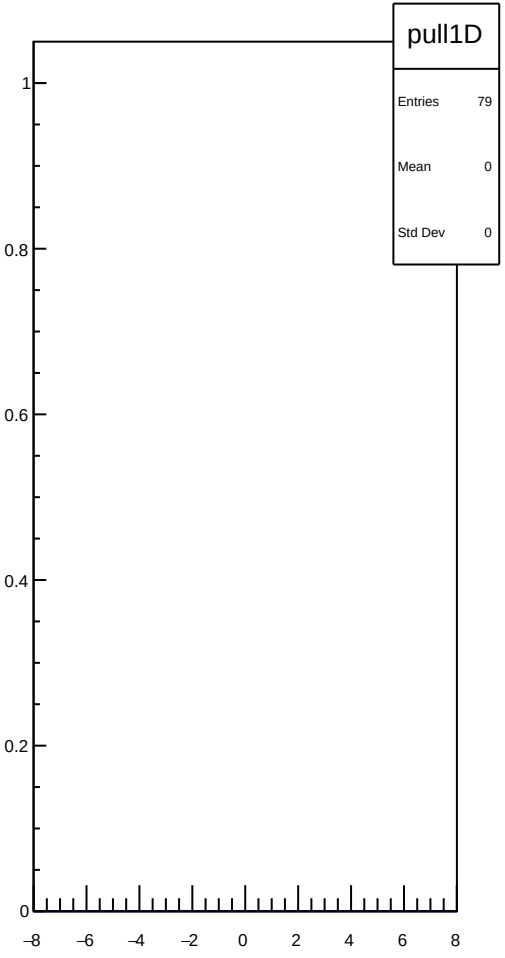

dit_sam3_coil3_err_mean vs run
χ² / ndf 8.482e+35 / 78
p0 276.7 ± 1.125e−16
pull
Entries 79
Mean 9.853e+08
Std Dev 9.853e+08
pull1D
Entries 79
Mean 0
Std Dev 0


dit_sam3_coil3_Ndata_mean vs run
χ^2 / ndf 2.477e+37 / 78
p0 1043 ± 1.125e−16
2000
1500
1000
500
0
pull
Entries 79
Mean 5.268e+08
Std Dev 5.268e+08
×10^15
1000
500
0
−500
−1000
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

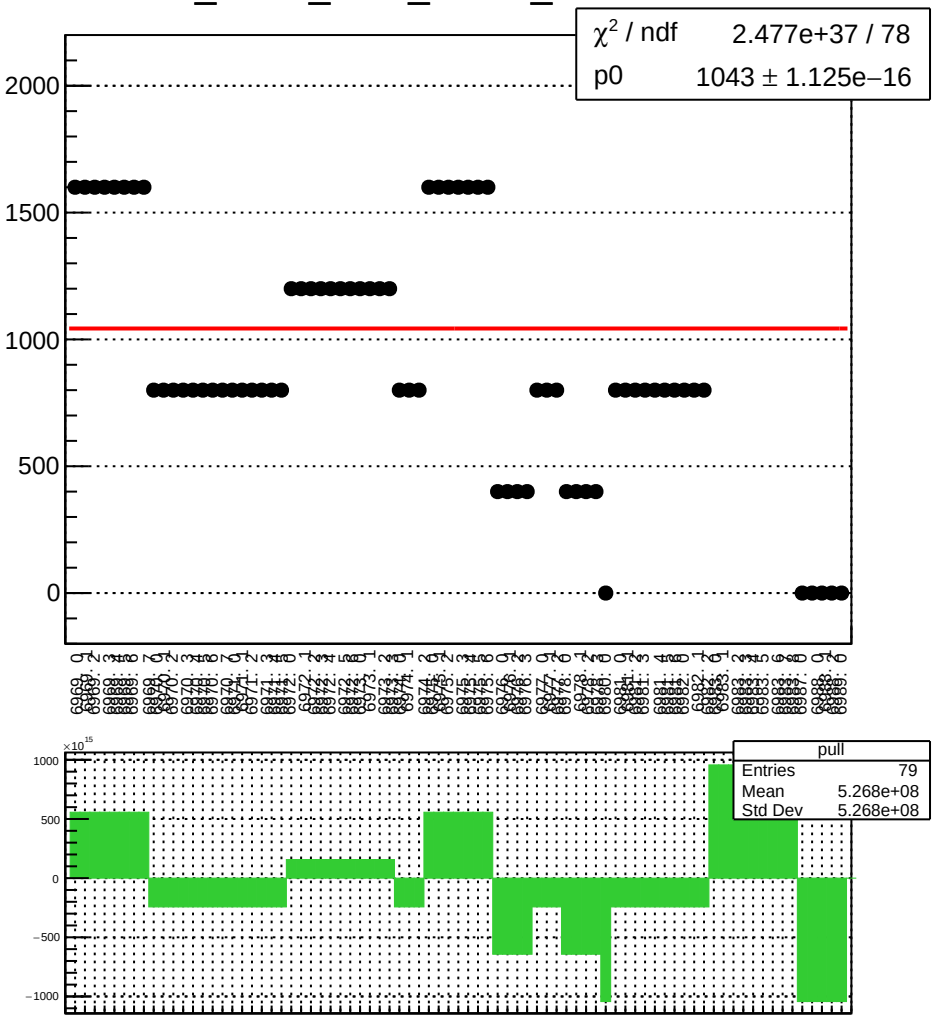

dit_sam4_coil3_mean vs run
χ² / ndf inf / 78
p0 1.829e+04 ± 1.125e−16
20000
15000
10000
5000
0
pull
Entries 79
Mean 8.67e+09
Std Dev 8.67e+09
×10¹⁸
2
0
−2
−4
−6
−8
−10
−12
−14
−16
−18

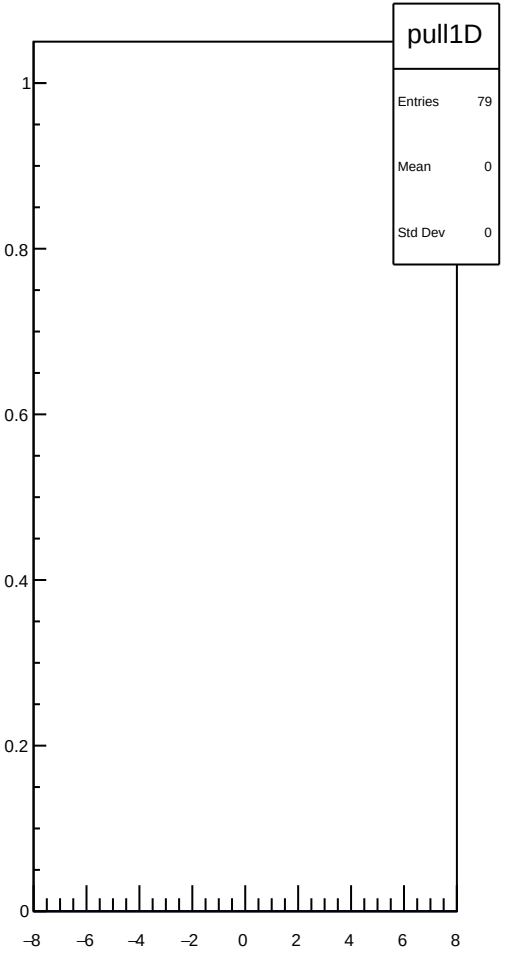

pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

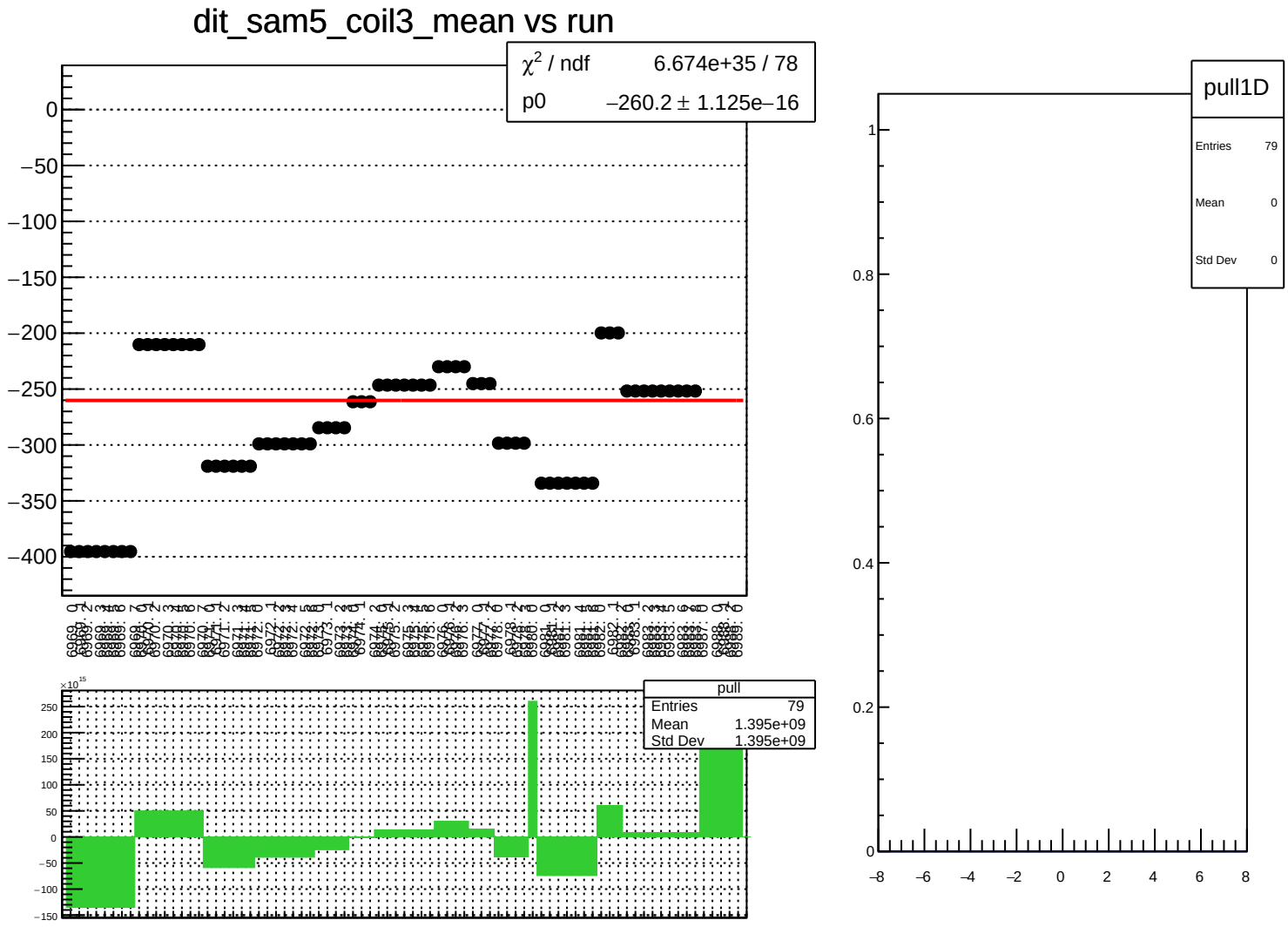

dit_sam4_coil3_err_mean vs run
χ^2 / ndf 2.361e+36 / 78
p0 462.4 ± 1.125e−16
pull
Entries 79
Mean −1.438e+09
Std Dev 1.438e+09

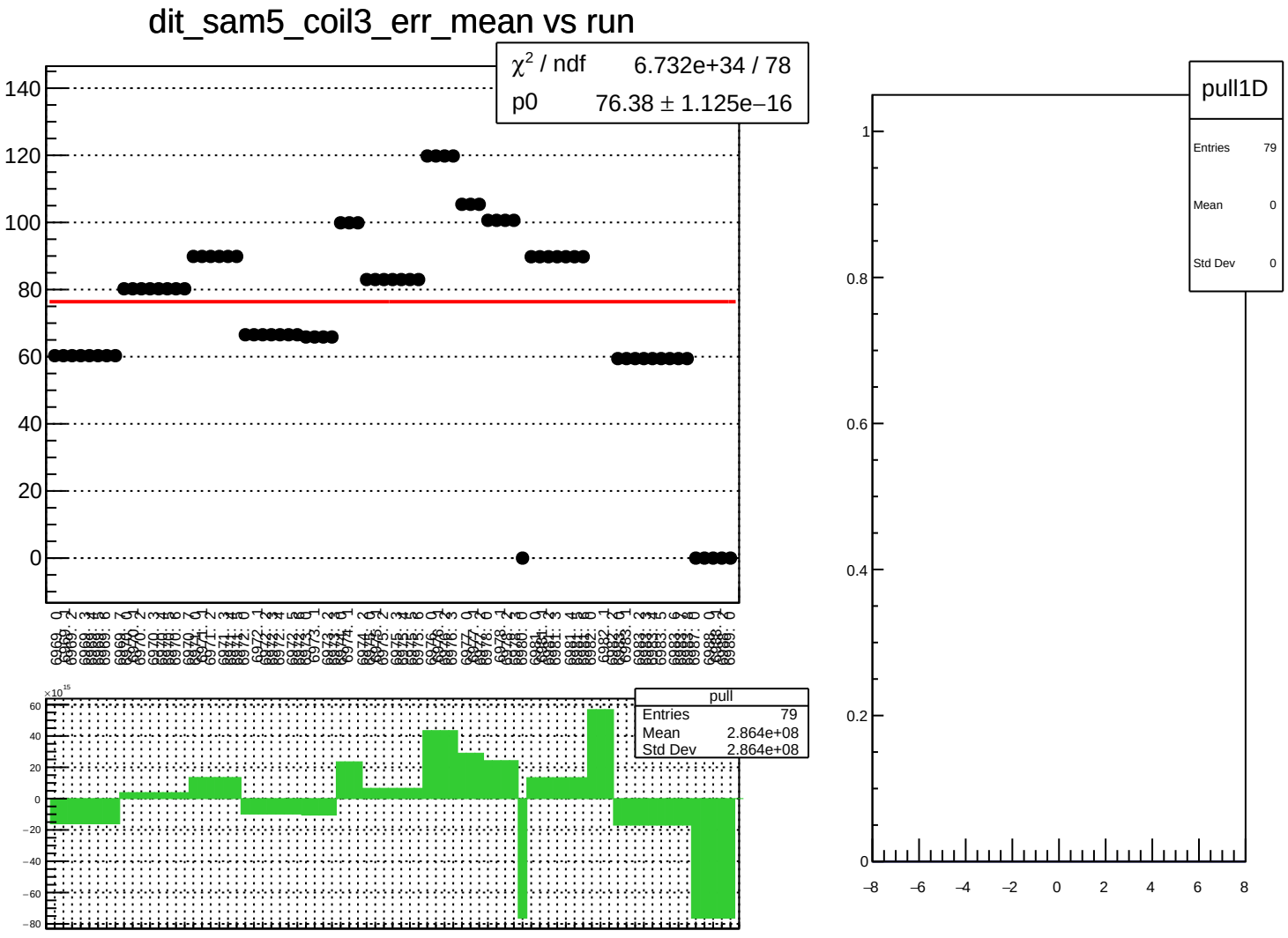

pull1D
Entries 79
Mean 0
Std Dev 0

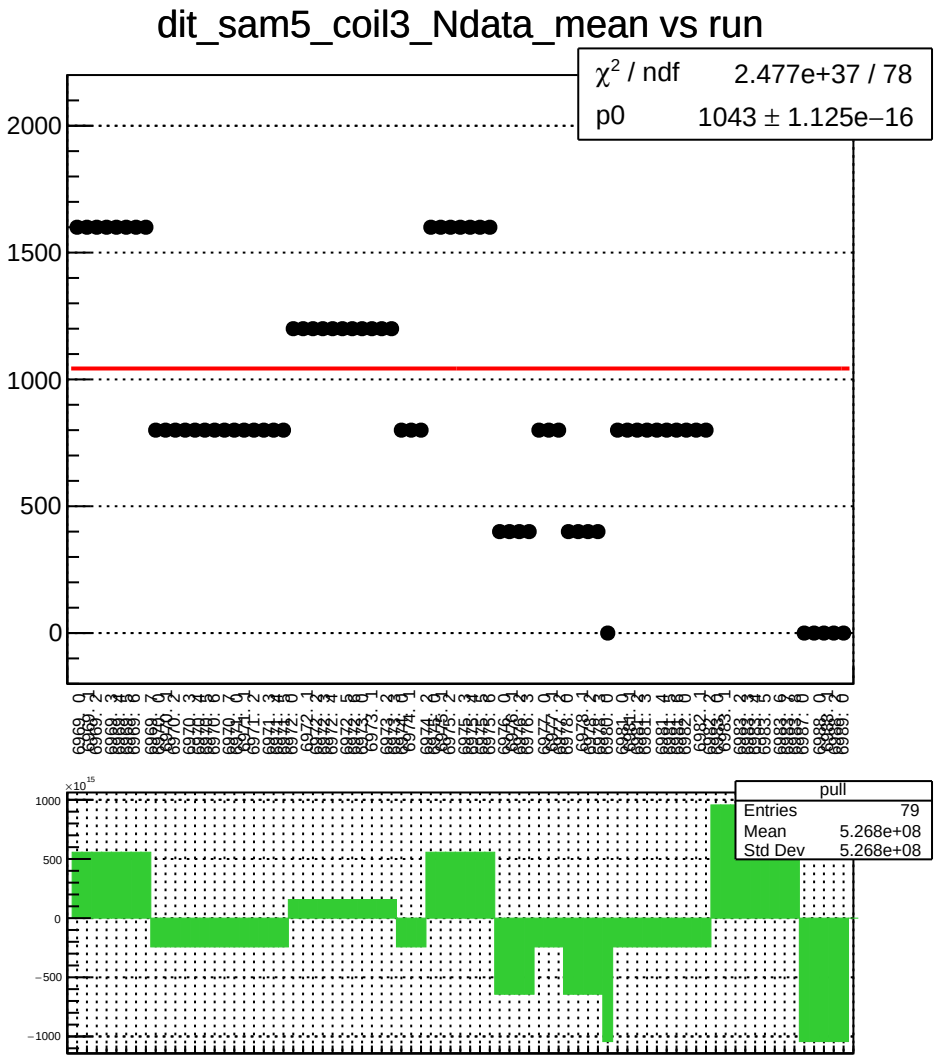
dit_sam4_coil3_Ndata_mean vs run

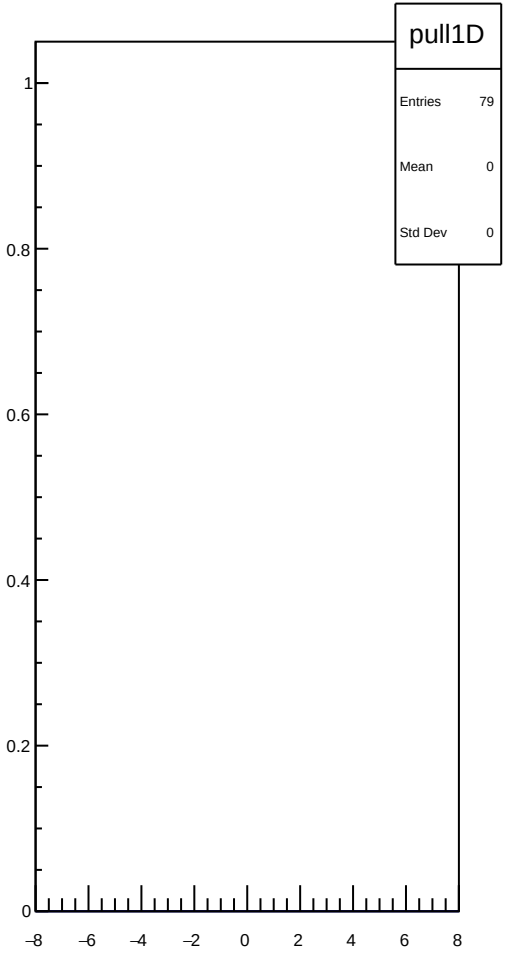


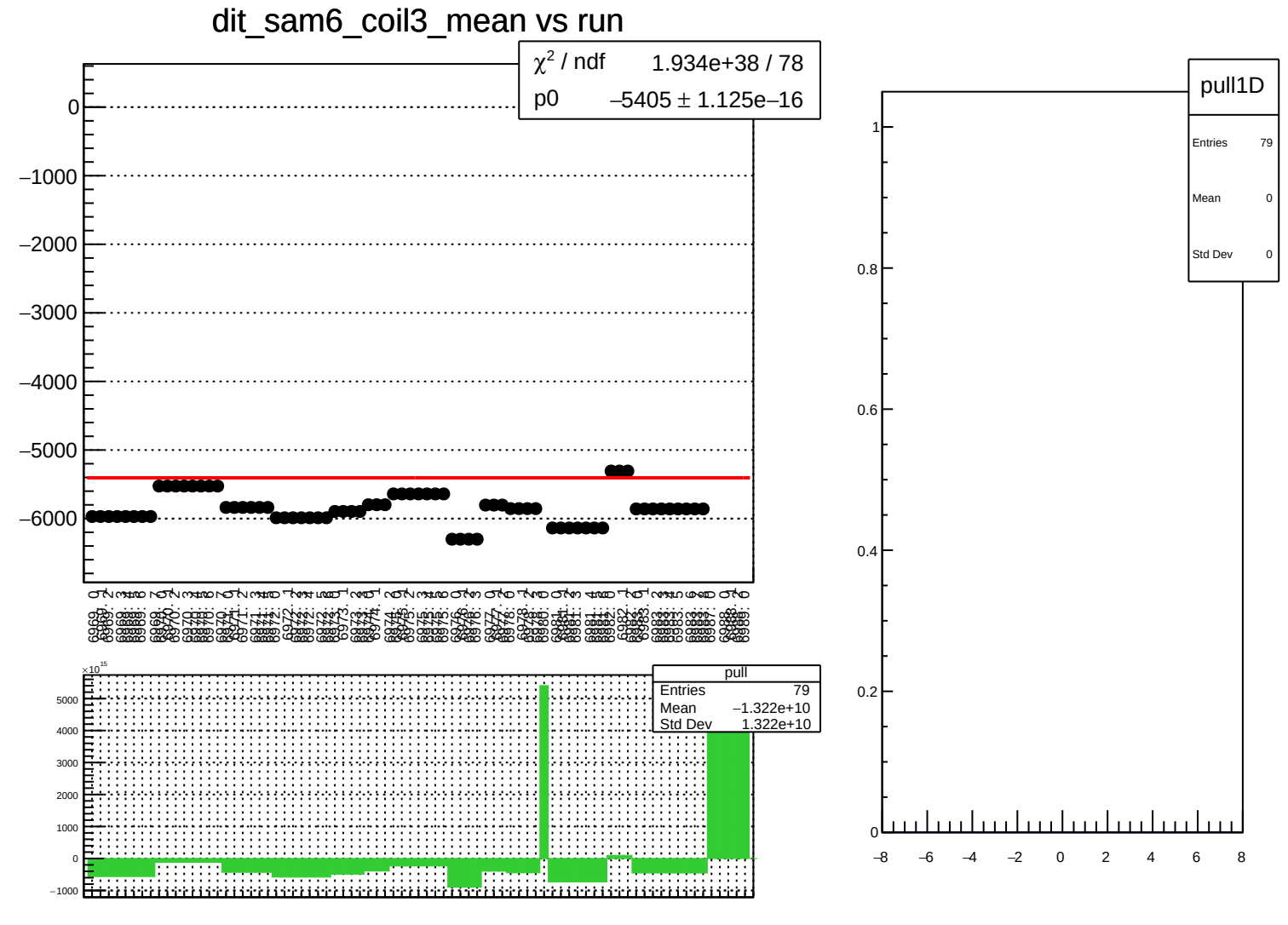


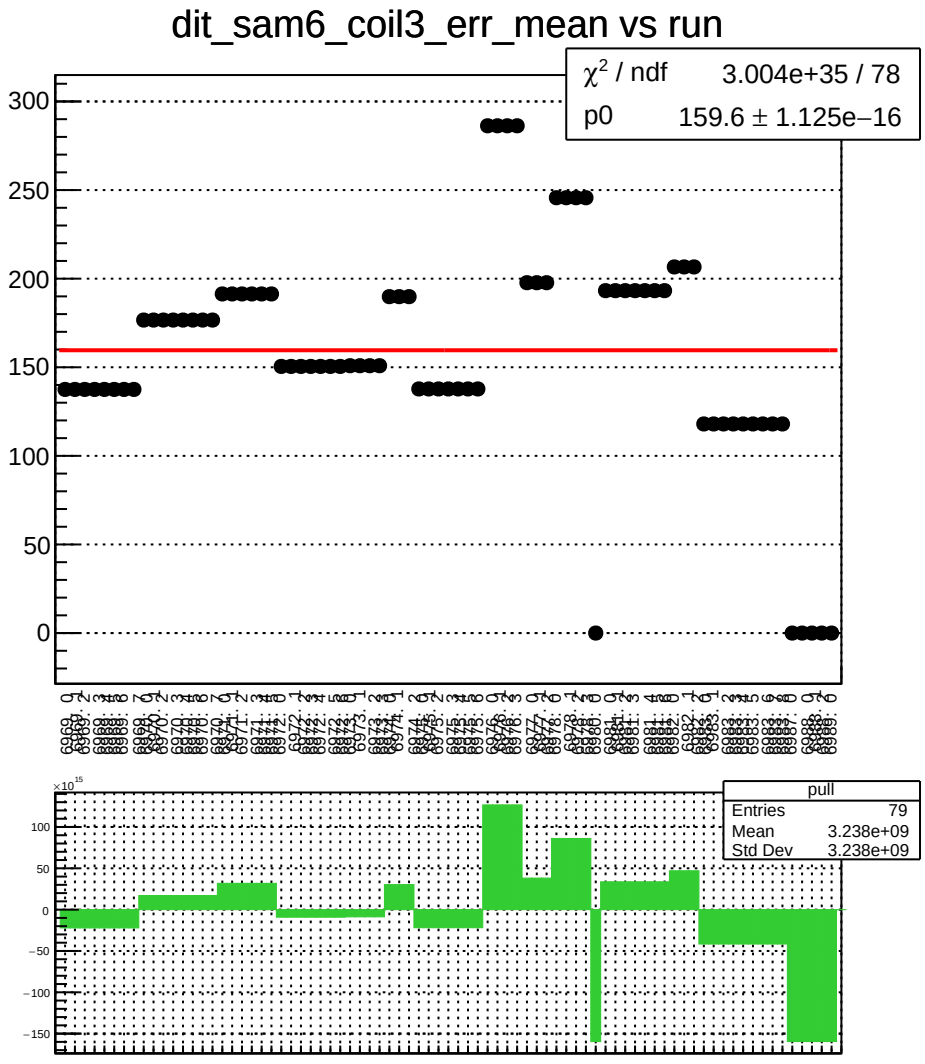

dit_sam5_coil3_mean vs run
χ² / ndf 6.674e+35 / 78
p0 −260.2 ± 1.125e−16
pull
Entries 79
Mean 1.395e+09
Std Dev 1.395e+09
pull1D
Entries 79
Mean 0
Std Dev 0

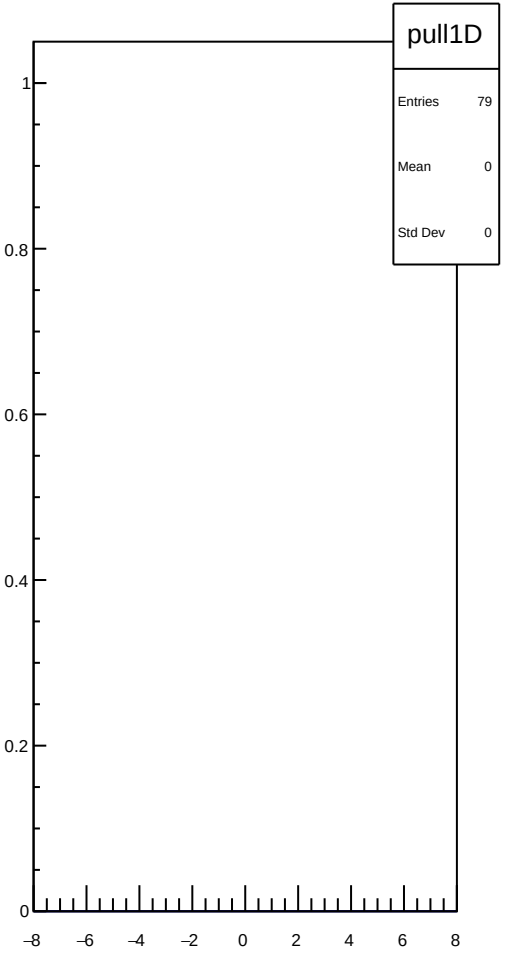

dit_sam5_coil3_err_mean vs run
χ² / ndf 6.732e+34 / 78
p0 76.38 ± 1.125e−16
pull
Entries 79
Mean 2.864e+08
Std Dev 2.864e+08
pull1D
Entries 79
Mean 0
Std Dev 0


dit_sam5_coil3_Ndata_mean vs run
χ² / ndf 2.477e+37 / 78
p0 1043 ± 1.125e−16
2000
1500
1000
500
0
pull
Entries 79
Mean 5.268e+08
Std Dev 5.268e+08
×10¹⁵
1000
500
0
−500
−1000

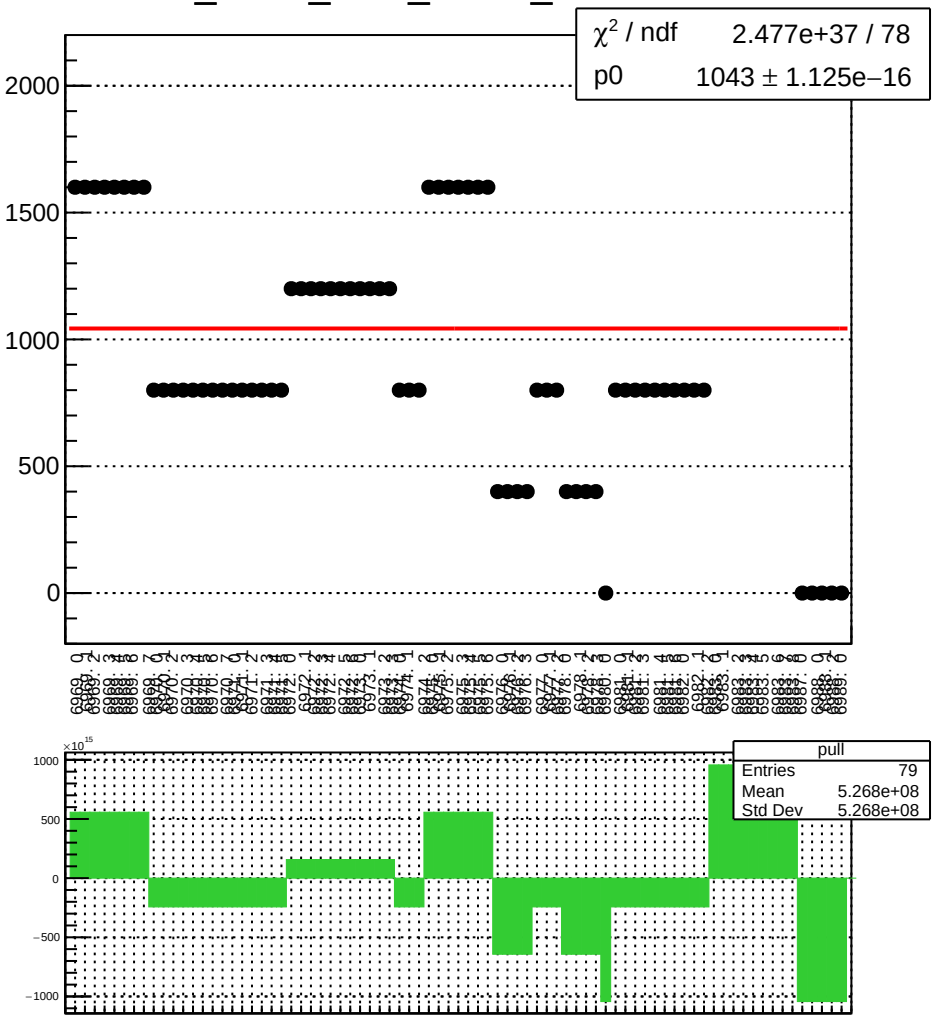

pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

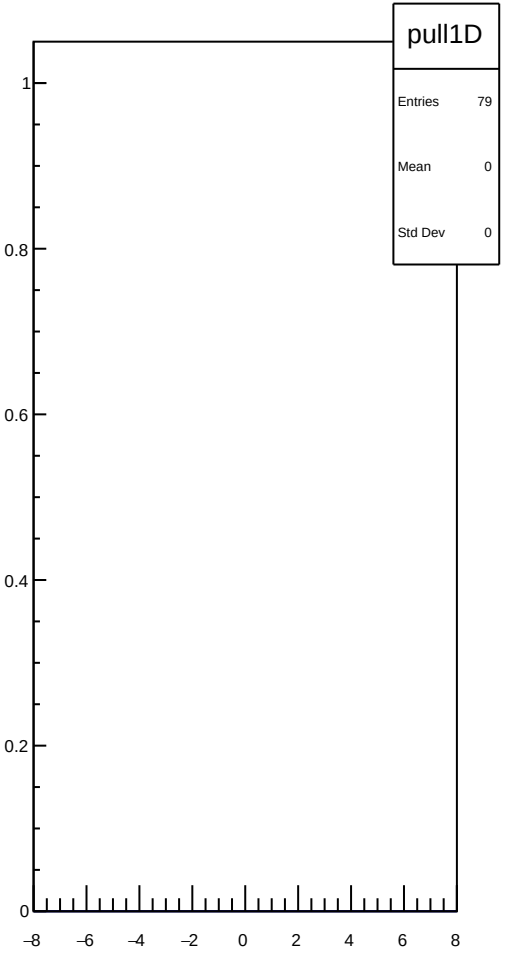

dit_sam6_coil3_mean vs run
χ² / ndf 1.934e+38 / 78
p0 –5405 ± 1.125e–16
0
–1000
–2000
–3000
–4000
–5000
–6000
pull
Entries 79
Mean –1.322e+10
Std Dev 1.322e+10
×10¹⁵
5000
4000
3000
2000
1000
0
–1000
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

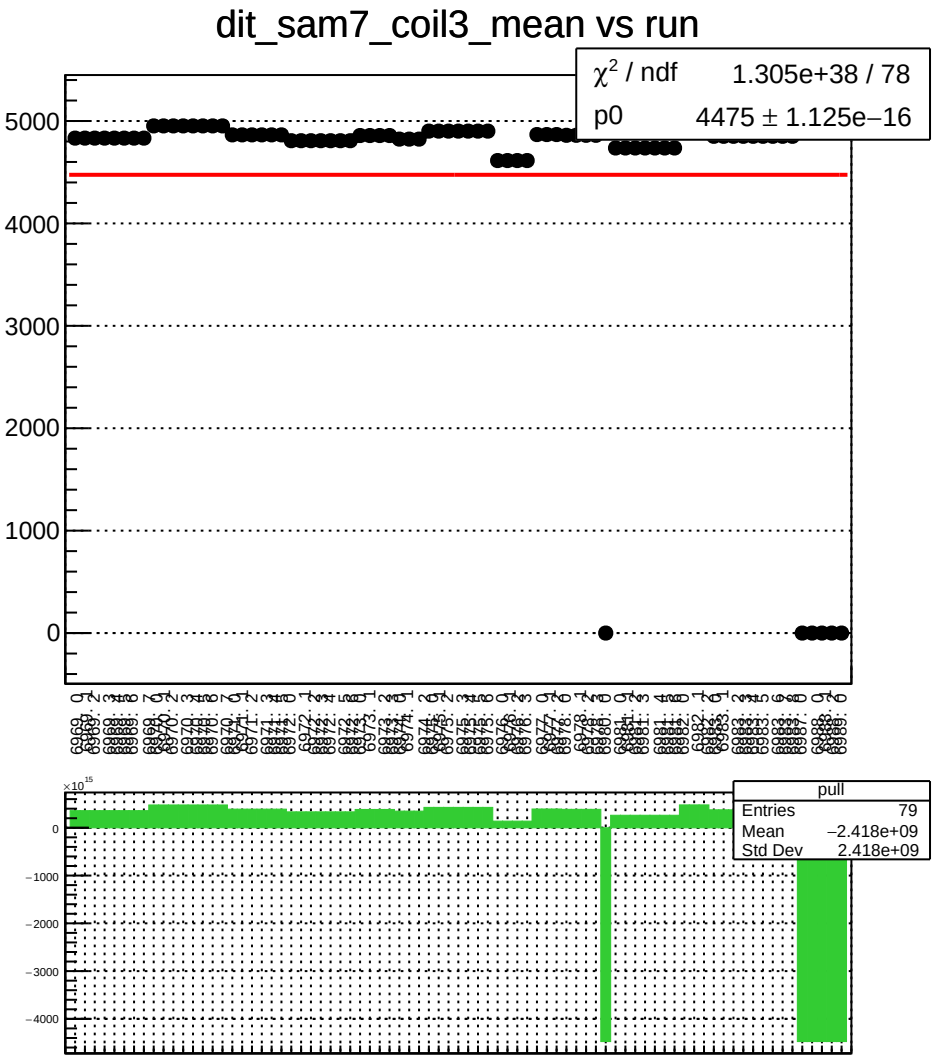

dit_sam6_coil3_err_mean vs run
χ² / ndf 3.004e+35 / 78
p0 159.6 ± 1.125e−16
pull
Entries 79
Mean 3.238e+09
Std Dev 3.238e+09

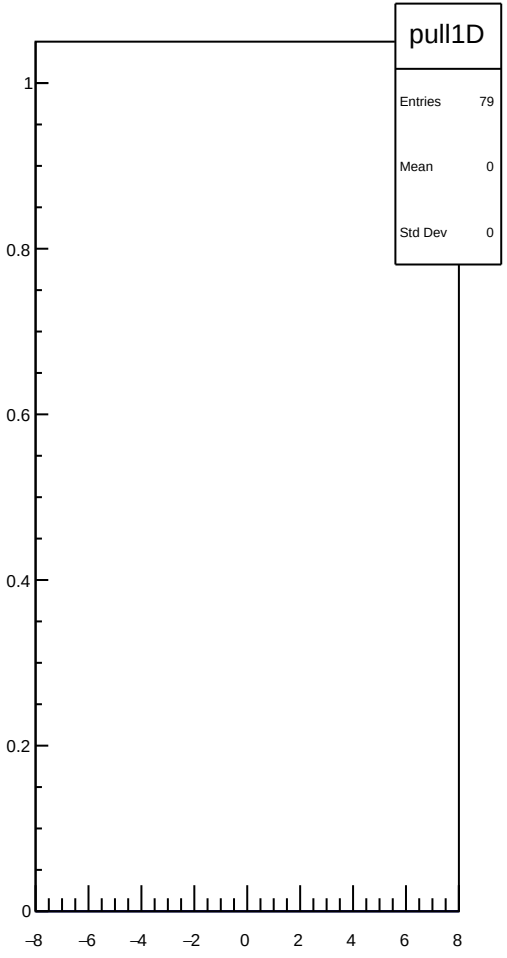

pull1D
Entries 79
Mean 0
Std Dev 0

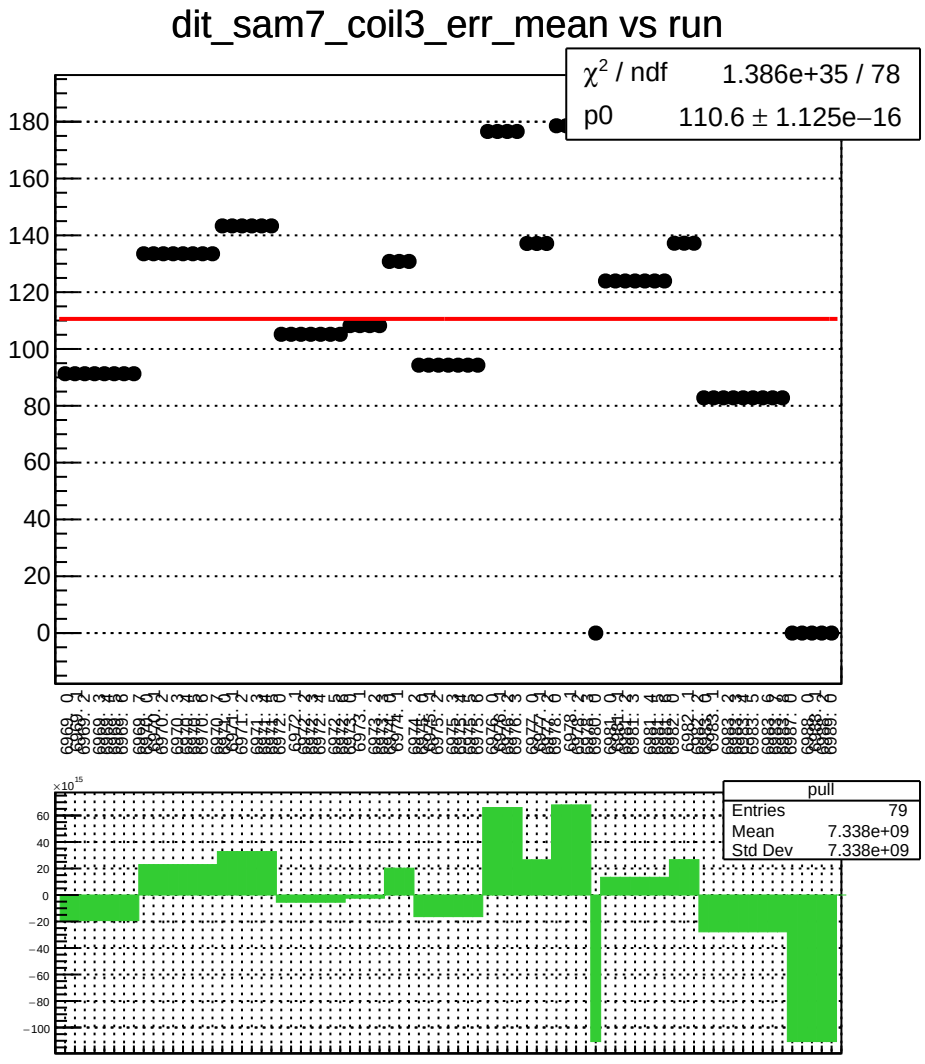
dit_sam6_coil3_Ndata_mean vs run

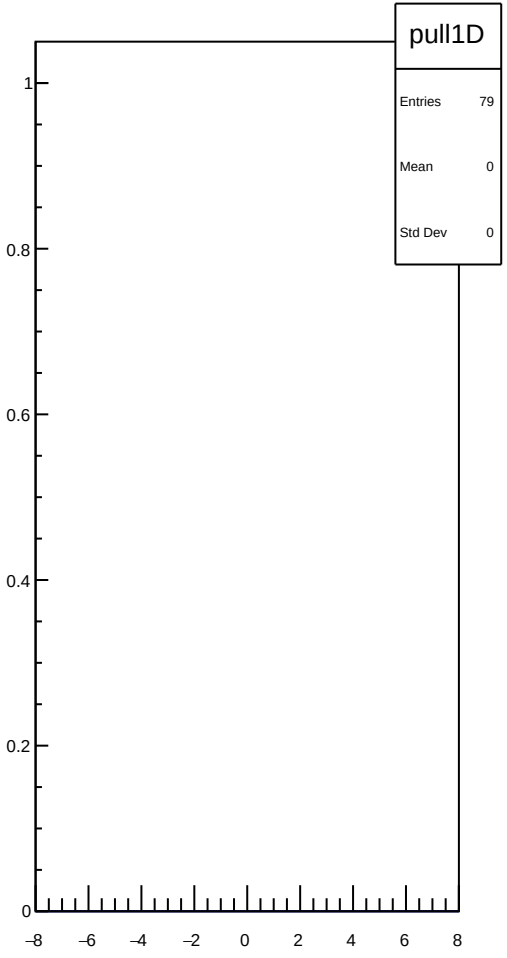


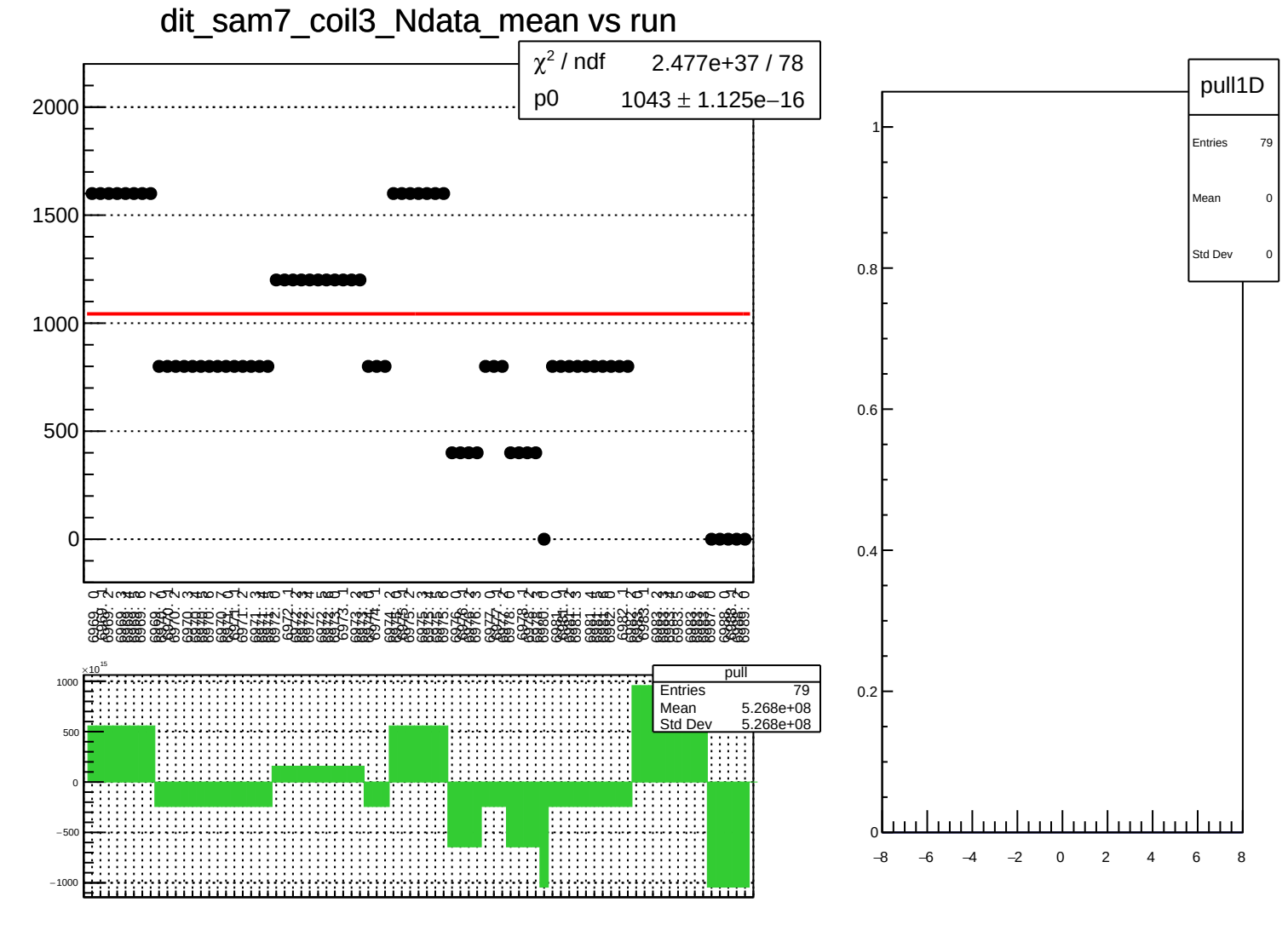


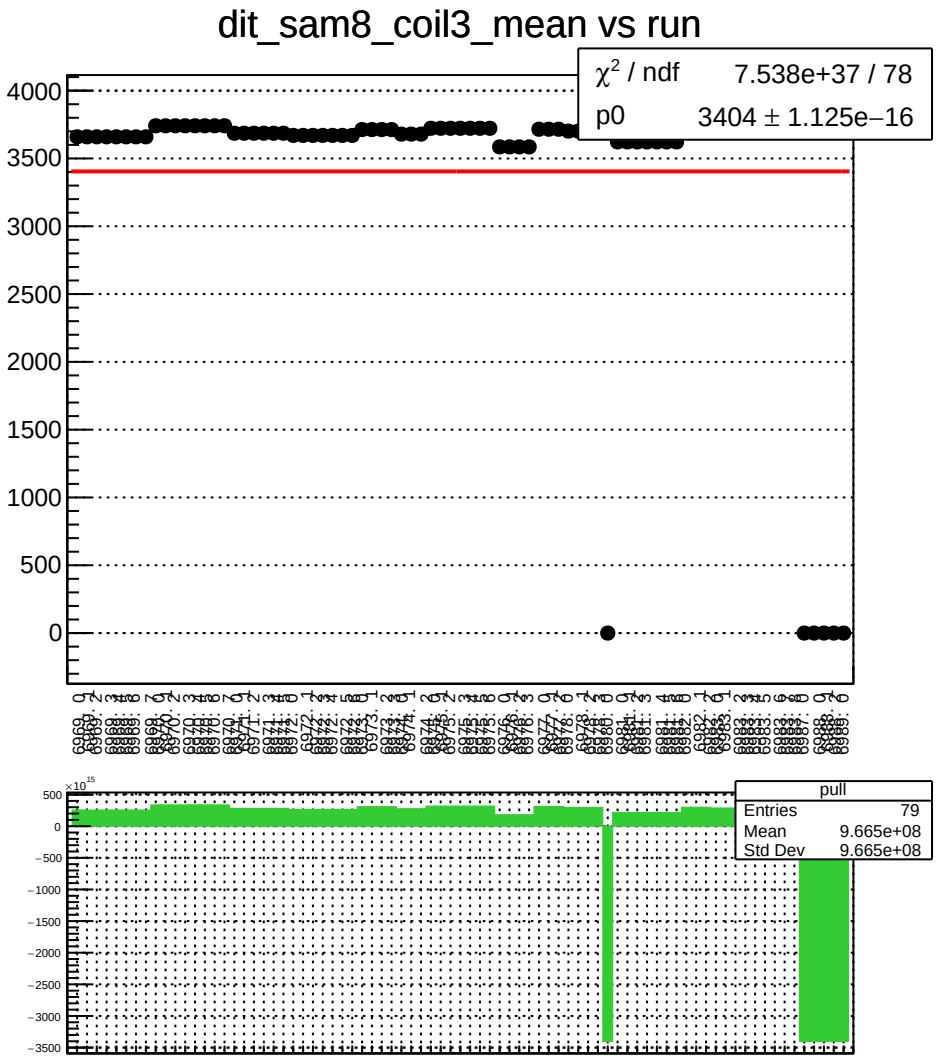

dit_sam7_coil3_mean vs run
χ^2 / ndf 1.305e+38 / 78
p0 4475 ± 1.125e−16
5000
4000
3000
2000
1000
0
pull
Entries 79
Mean −2.418e+09
Std Dev 2.418e+09
×10^15
0
−1000
−2000
−3000
−4000

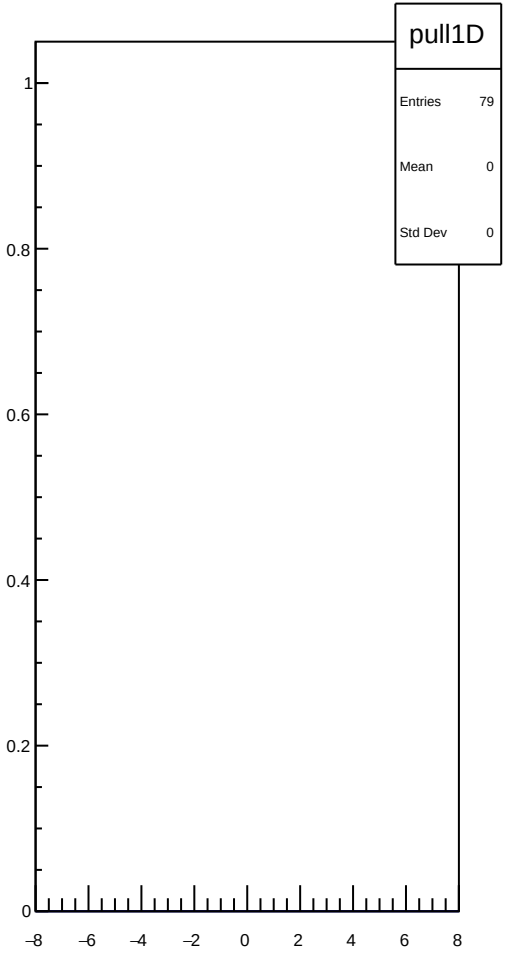

pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

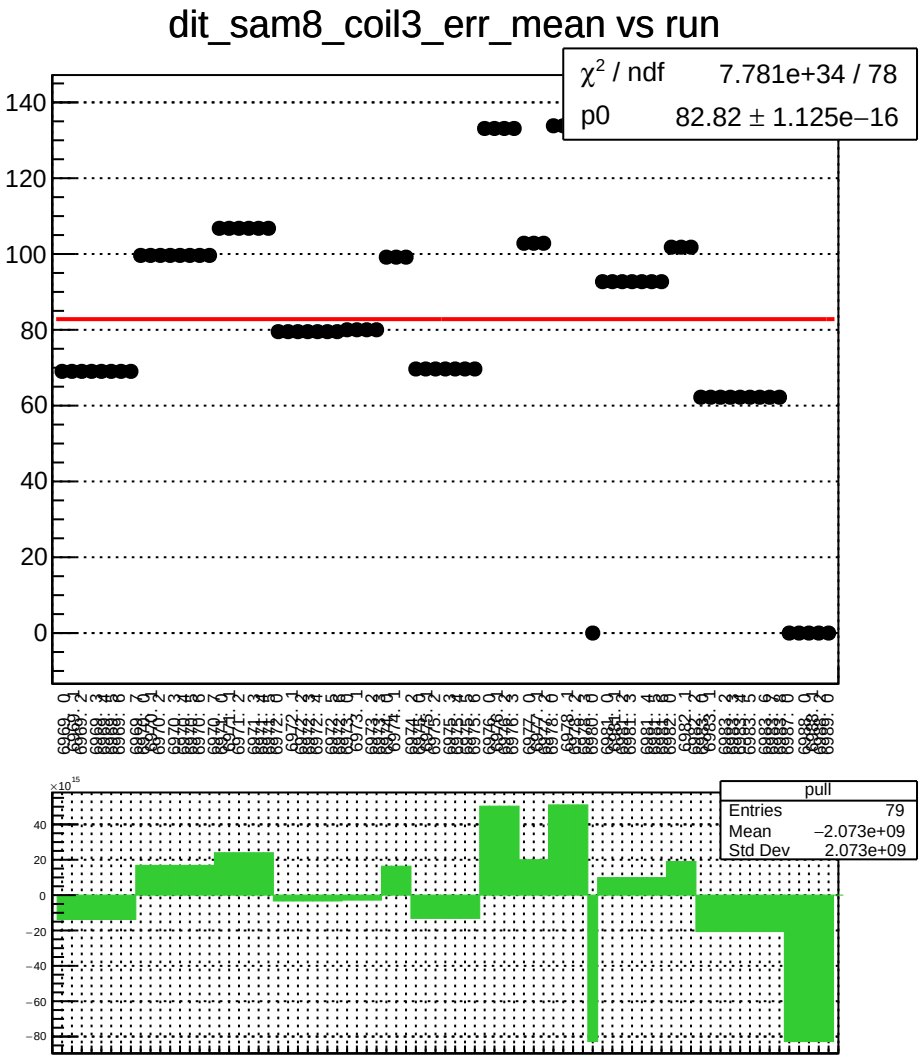

dit_sam7_coil3_err_mean vs run
χ² / ndf 1.386e+35 / 78
p0 110.6 ± 1.125e−16
pull
Entries 79
Mean 7.338e+09
Std Dev 7.338e+09

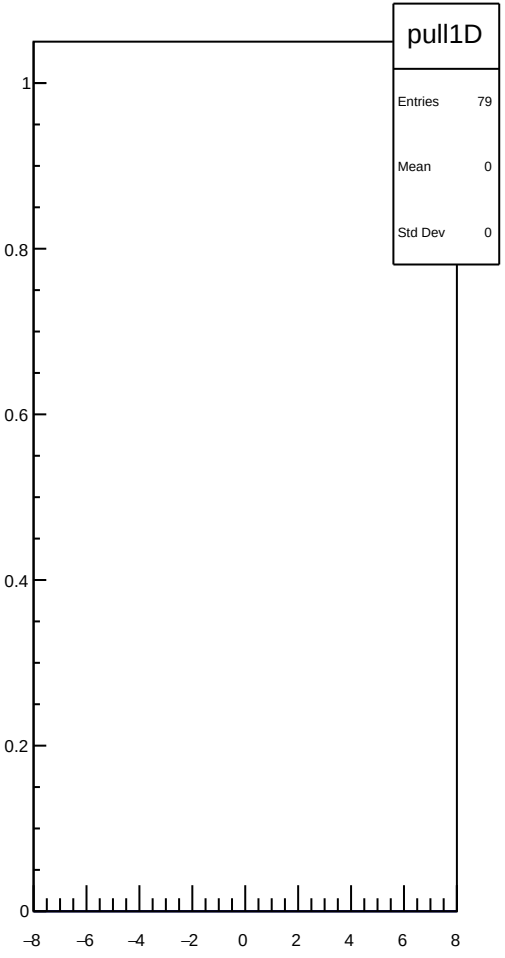

pull1D
Entries 79
Mean 0
Std Dev 0

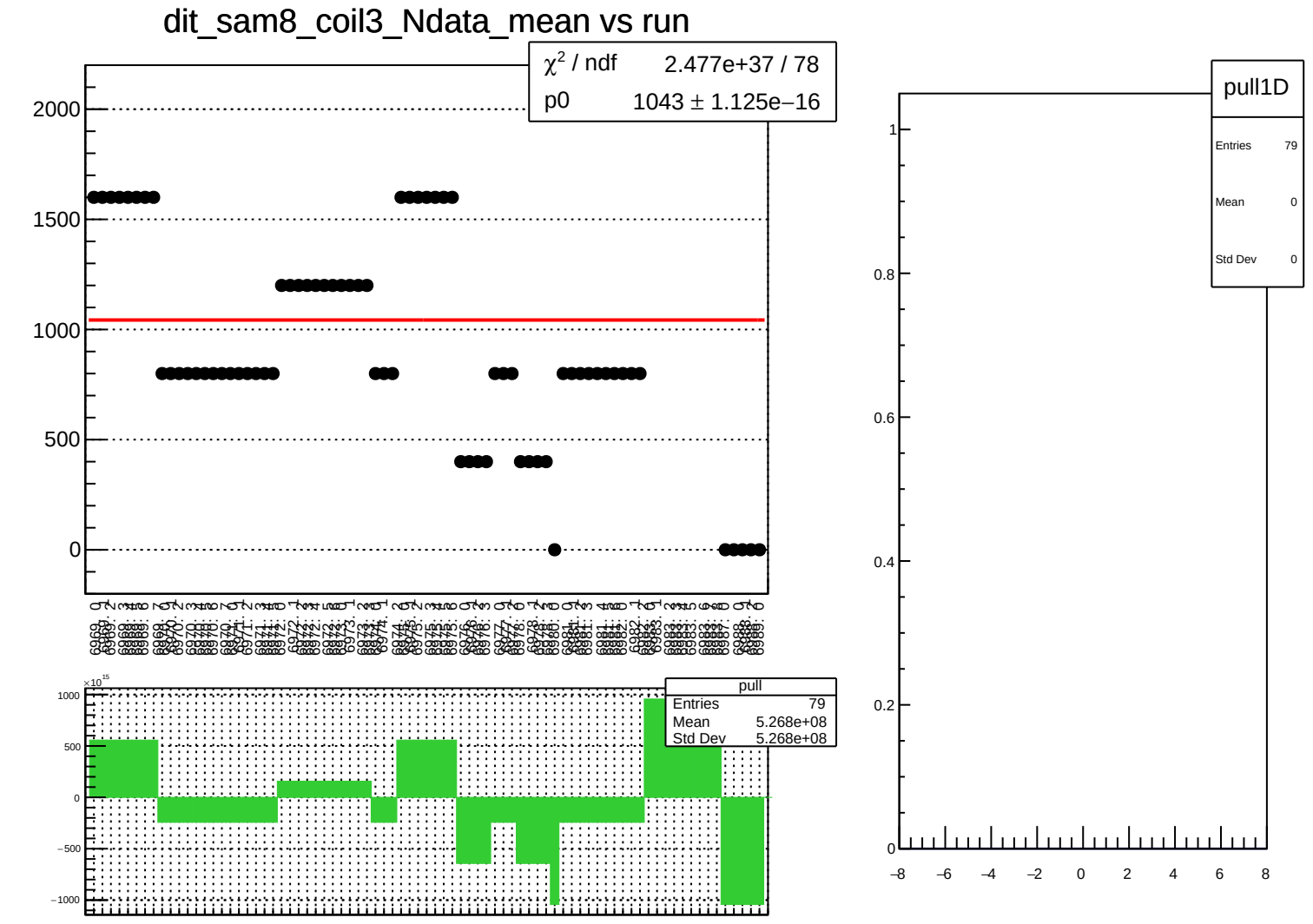

dit_sam7_coil3_Ndata_mean vs run
χ^2 / ndf 2.477e+37 / 78
p0 1043 ± 1.125e−16
2000
1500
1000
500
0
pull
Entries 79
Mean 5.268e+08
Std Dev 5.268e+08
×10^15
1000
500
0
−500
−1000
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

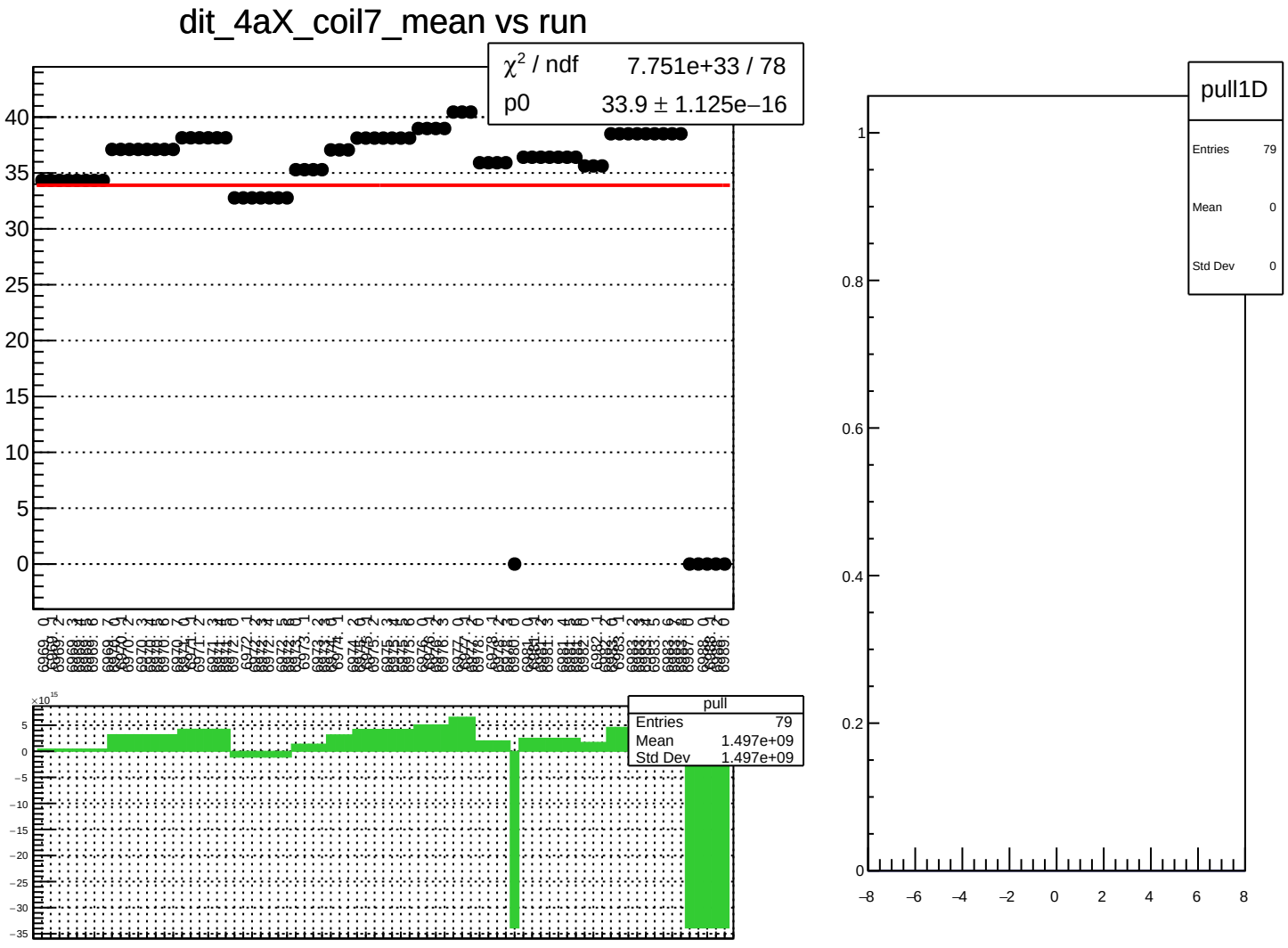

dit_sam8_coil3_mean vs run
χ² / ndf 7.538e+37 / 78
p0 3404 ± 1.125e−16
4000
3500
3000
2500
2000
1500
1000
500
0
pull
Entries 79
Mean 9.665e+08
Std Dev 9.665e+08
×10¹⁵
500
0
−500
−1000
−1500
−2000
−2500
−3000
−3500


pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

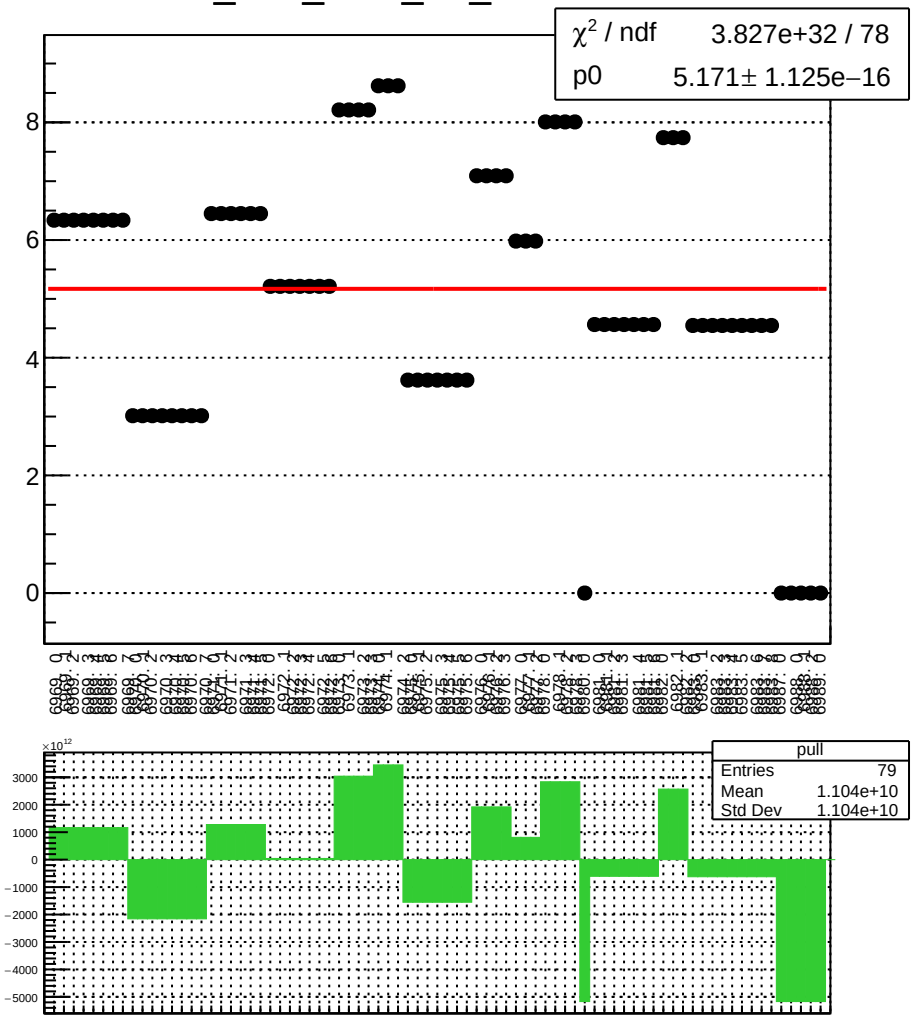

dit_sam8_coil3_err_mean vs run
χ² / ndf 7.781e+34 / 78
p0 82.82 ± 1.125e−16
pull
Entries 79
Mean −2.073e+09
Std Dev 2.073e+09

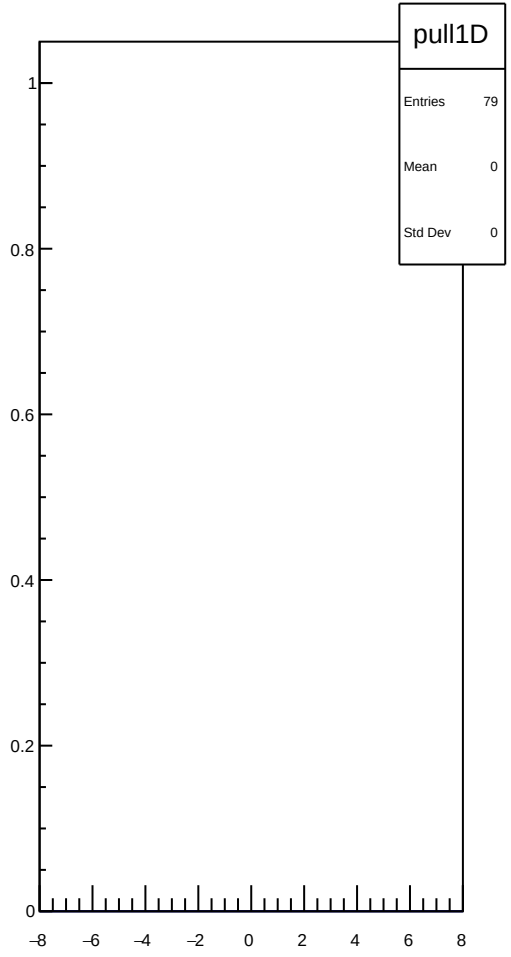

pull1D
Entries 79
Mean 0
Std Dev 0


dit_sam8_coil3_Ndata_mean vs run
χ^2 / ndf 2.477e+37 / 78
p0 1043 ± 1.125e−16
2000
1500
1000
500
0
pull
Entries 79
Mean 5.268e+08
Std Dev 5.268e+08
×10^15
1000
500
0
−500
−1000
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

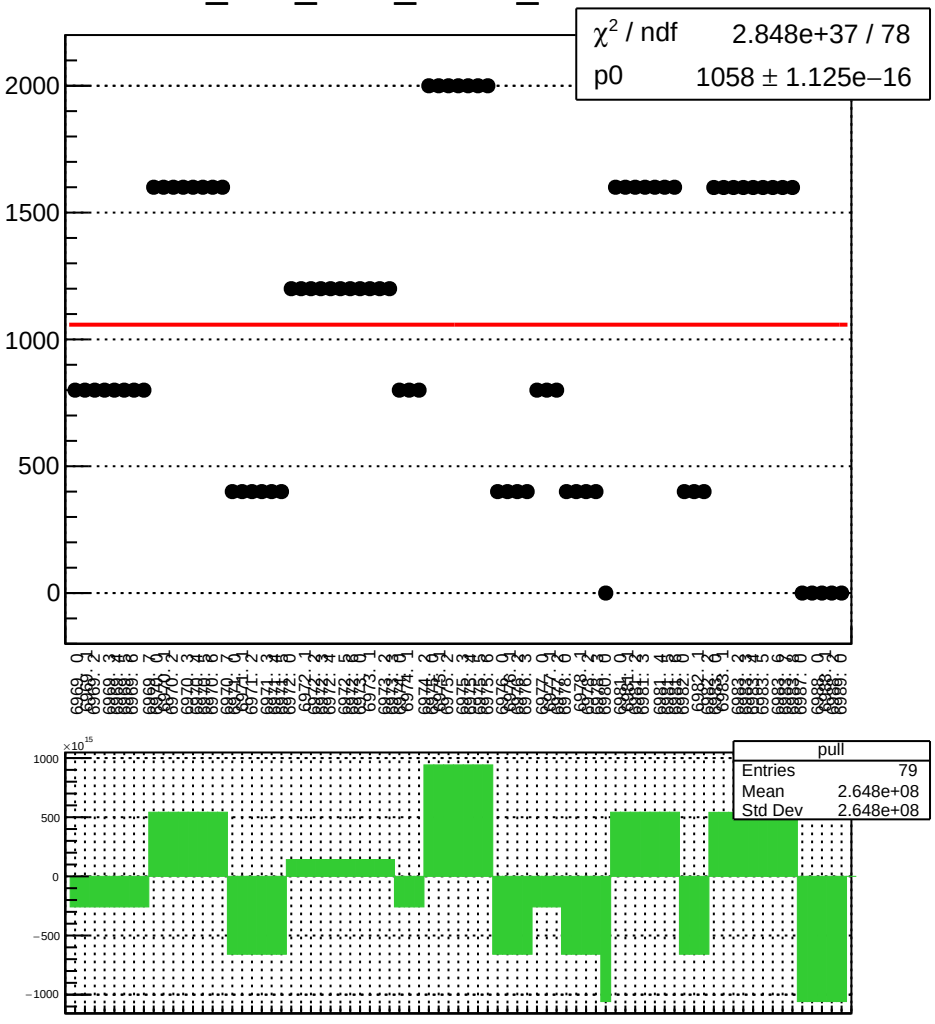

dit_4aX_coil7_mean vs run
χ^2 / ndf 7.751e+33 / 78
p0 33.9 ± 1.125e−16
pull
Entries 79
Mean 1.497e+09
Std Dev 1.497e+09
pull1D
Entries 79
Mean 0
Std Dev 0

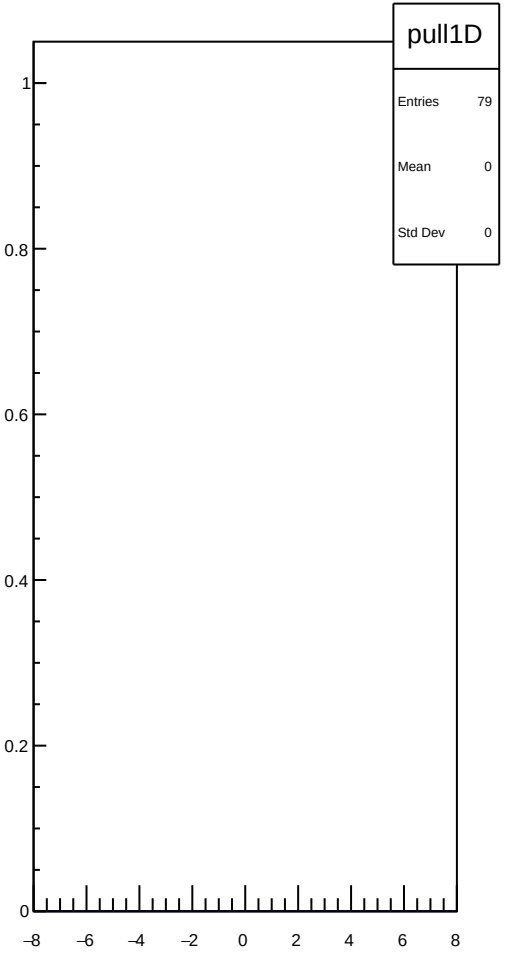
dit_4aX_coil7_err_mean vs run



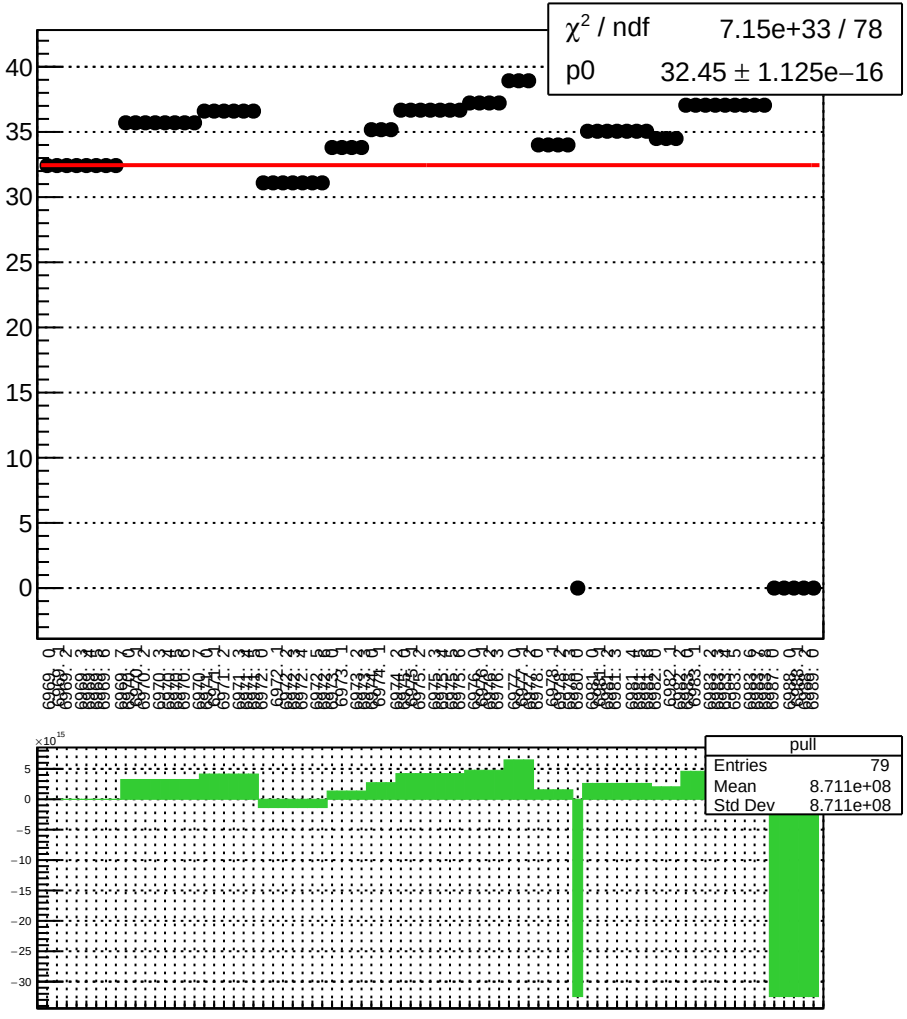


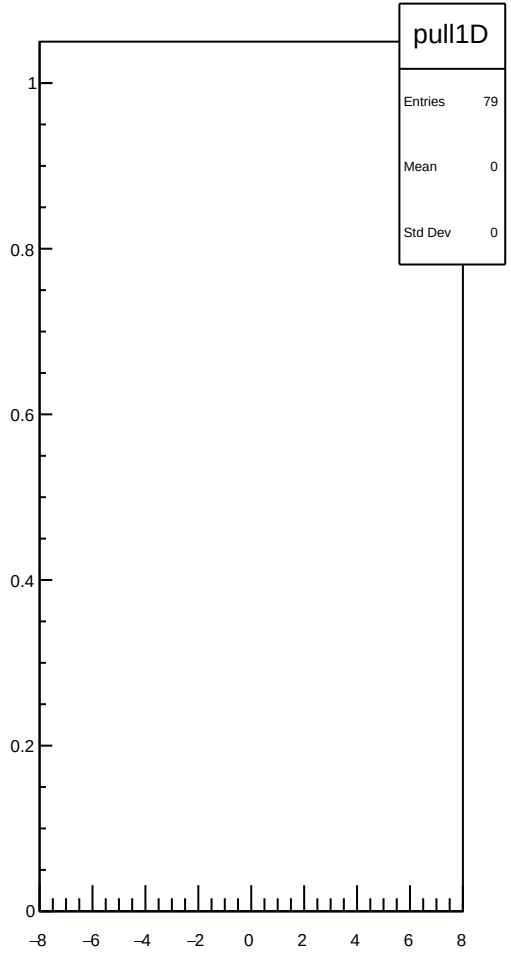
dit_4aX_coil7_Ndata_mean vs run



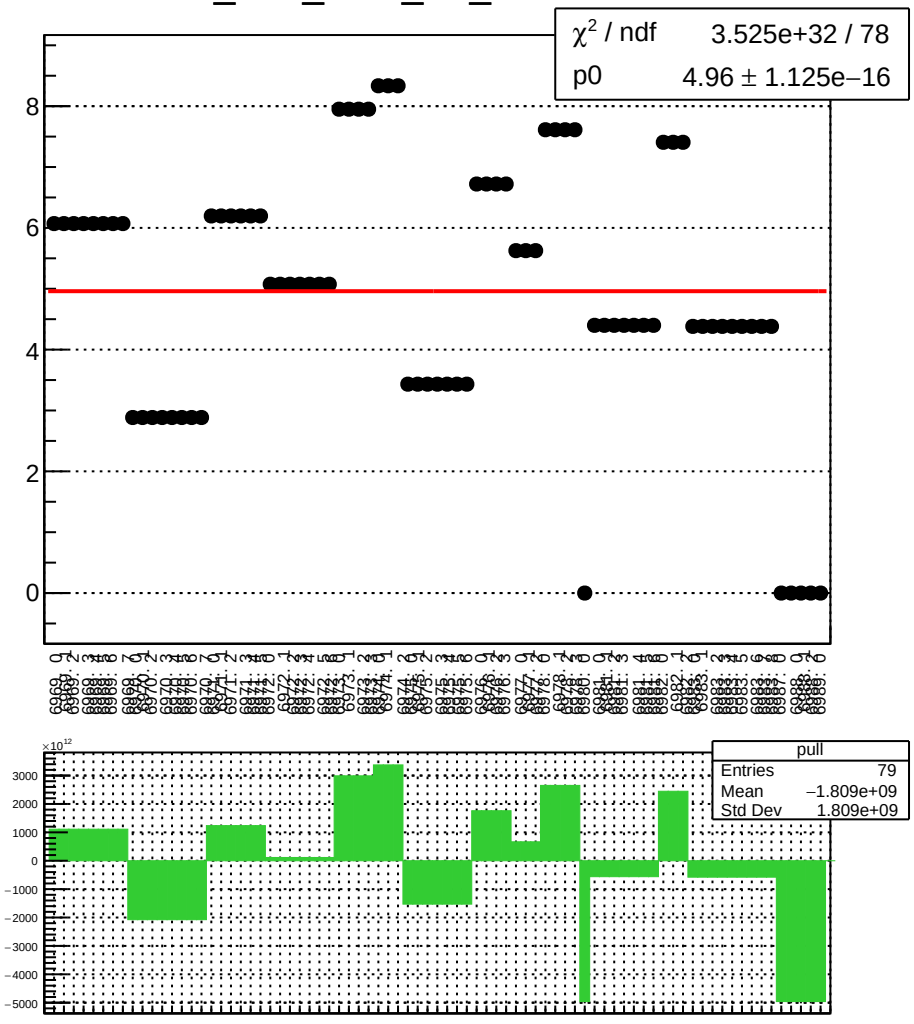


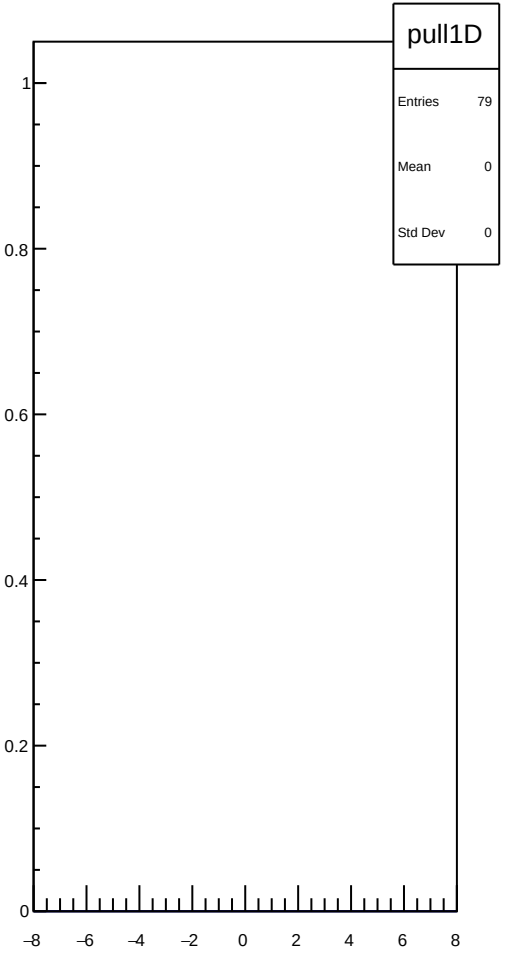
dit_4eX_coil7_mean vs run



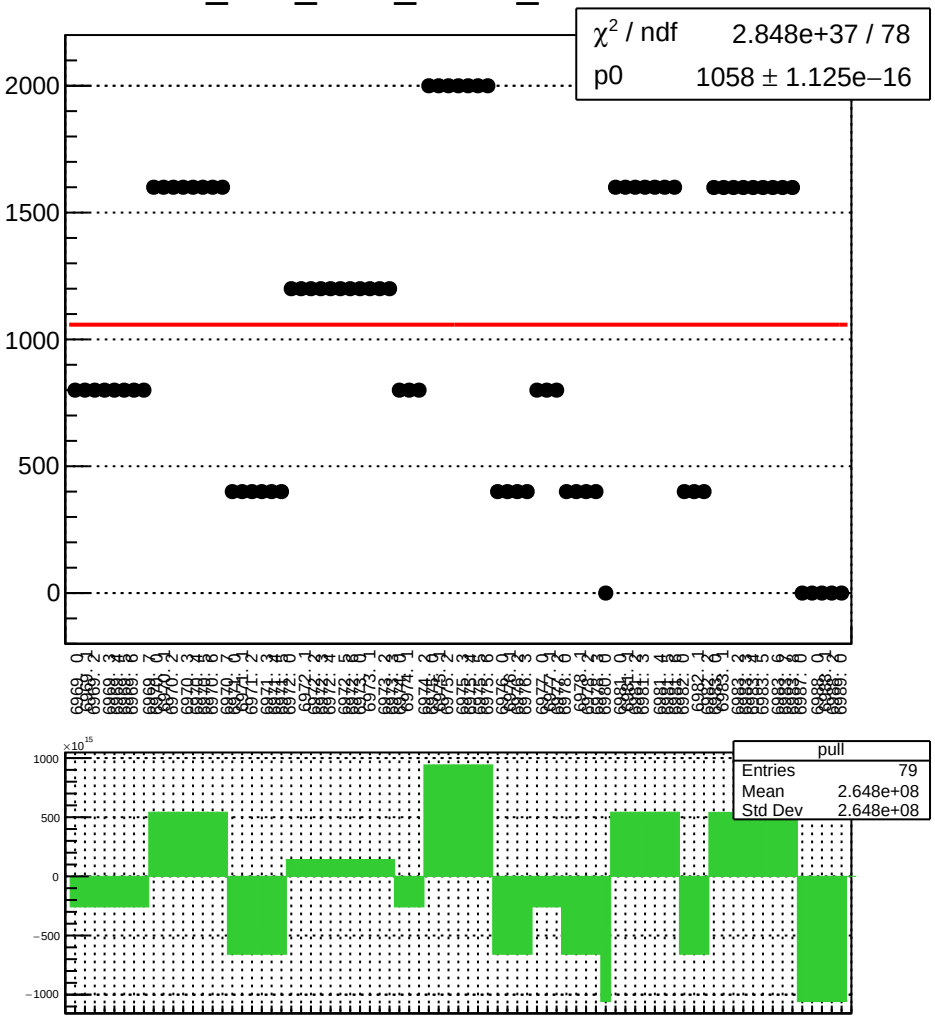


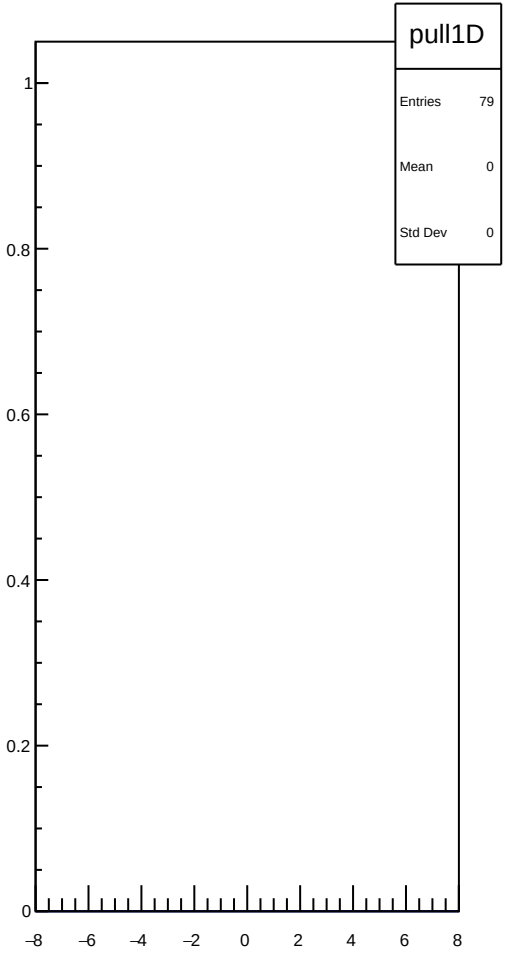
dit_4eX_coil7_err_mean vs run



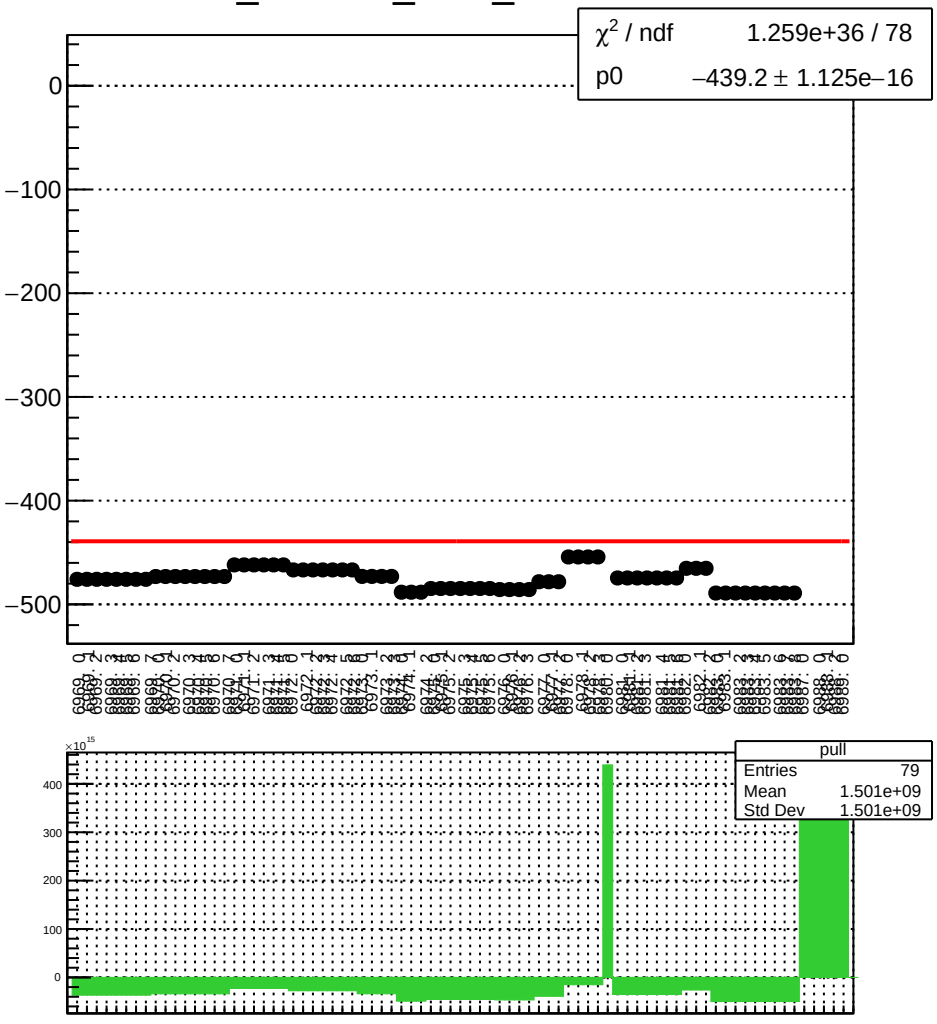


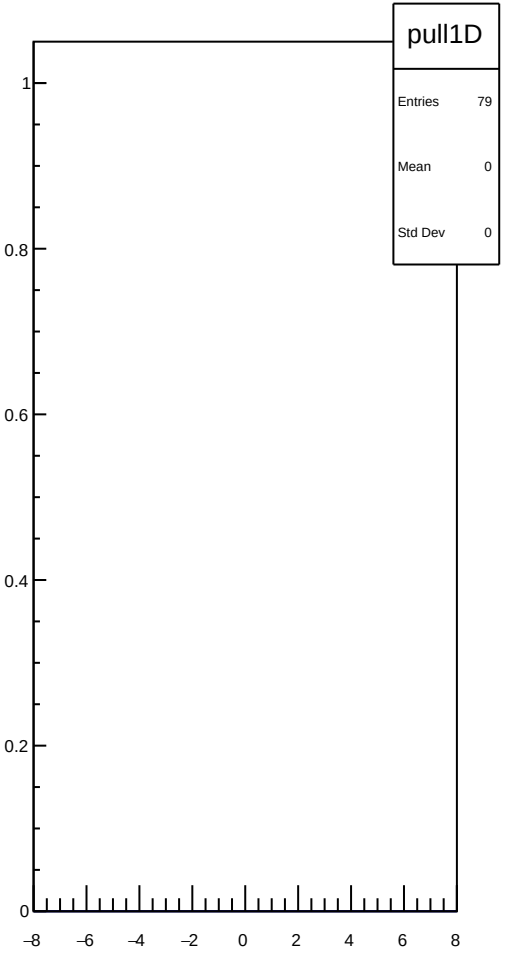
dit_4eX_coil7_Ndata_mean vs run

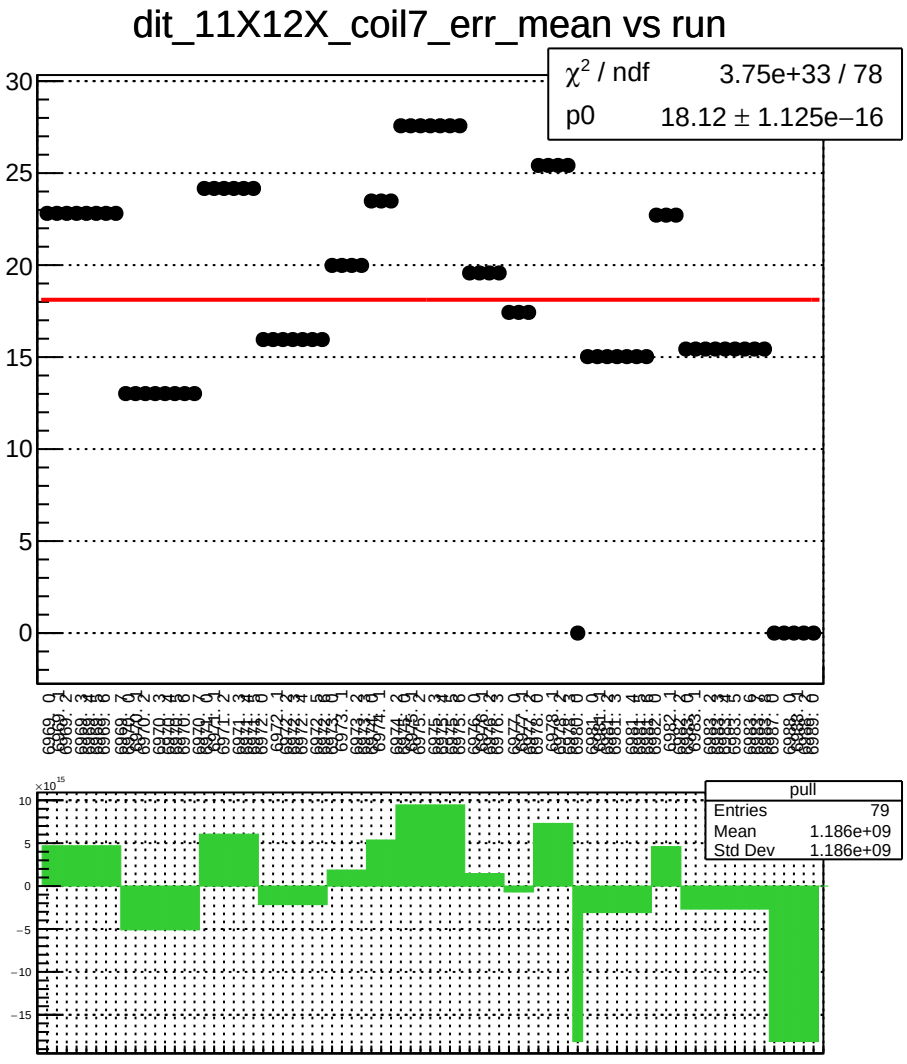


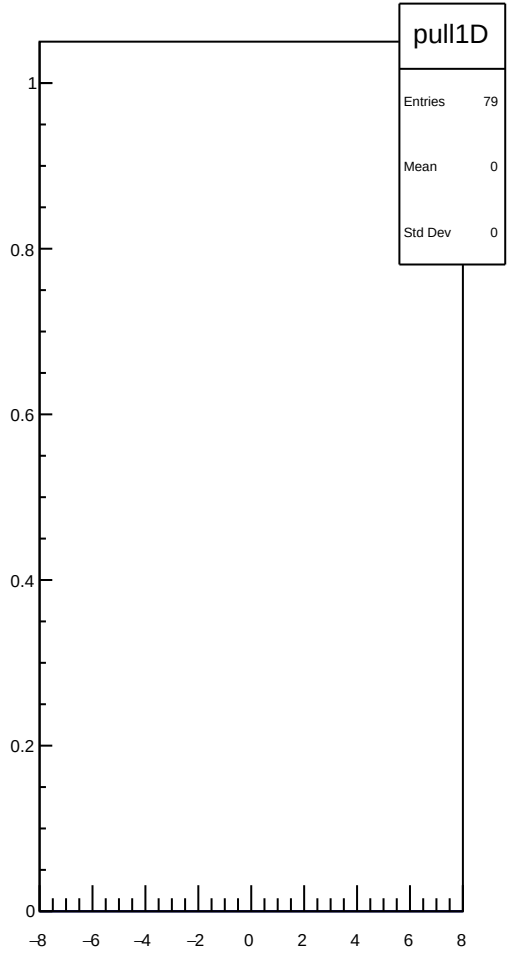


dit_11X12X_coil7_mean vs run

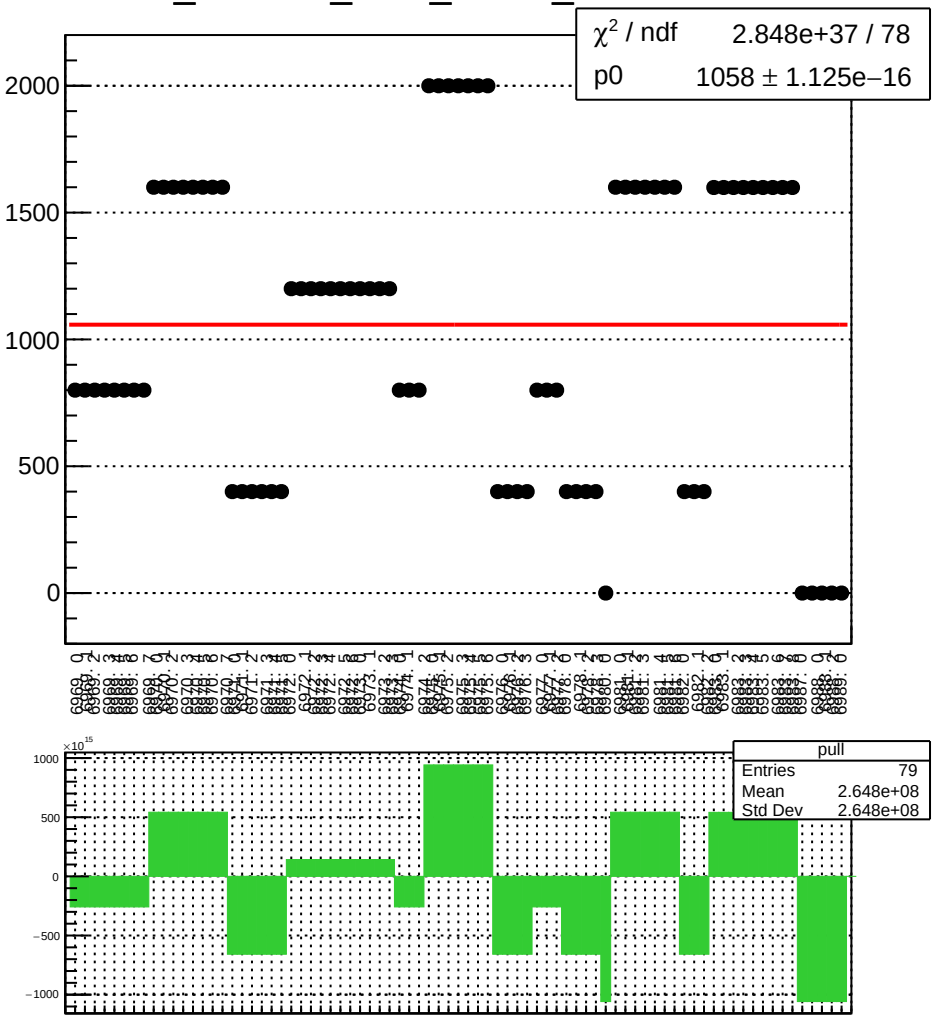


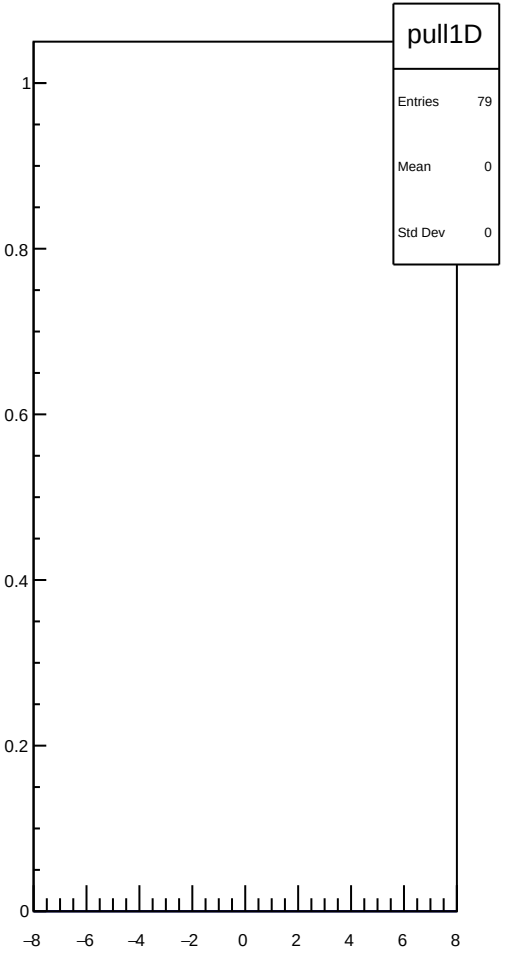


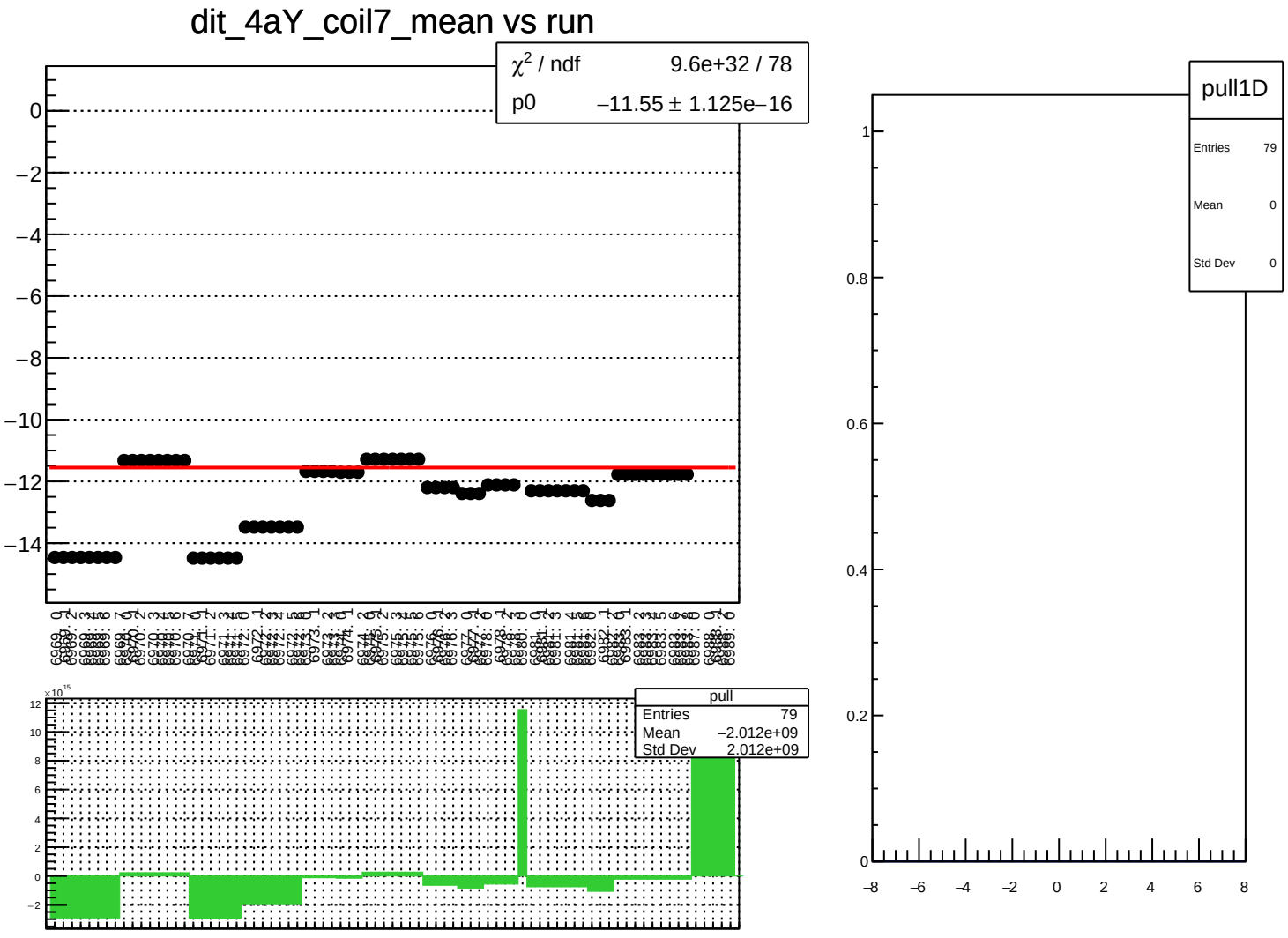

dit_11X12X_coil7_err_mean vs run
χ² / ndf 3.75e+33 / 78
p0 18.12 ± 1.125e−16
pull
Entries 79
Mean 1.186e+09
Std Dev 1.186e+09


pull1D
Entries 79
Mean 0
Std Dev 0

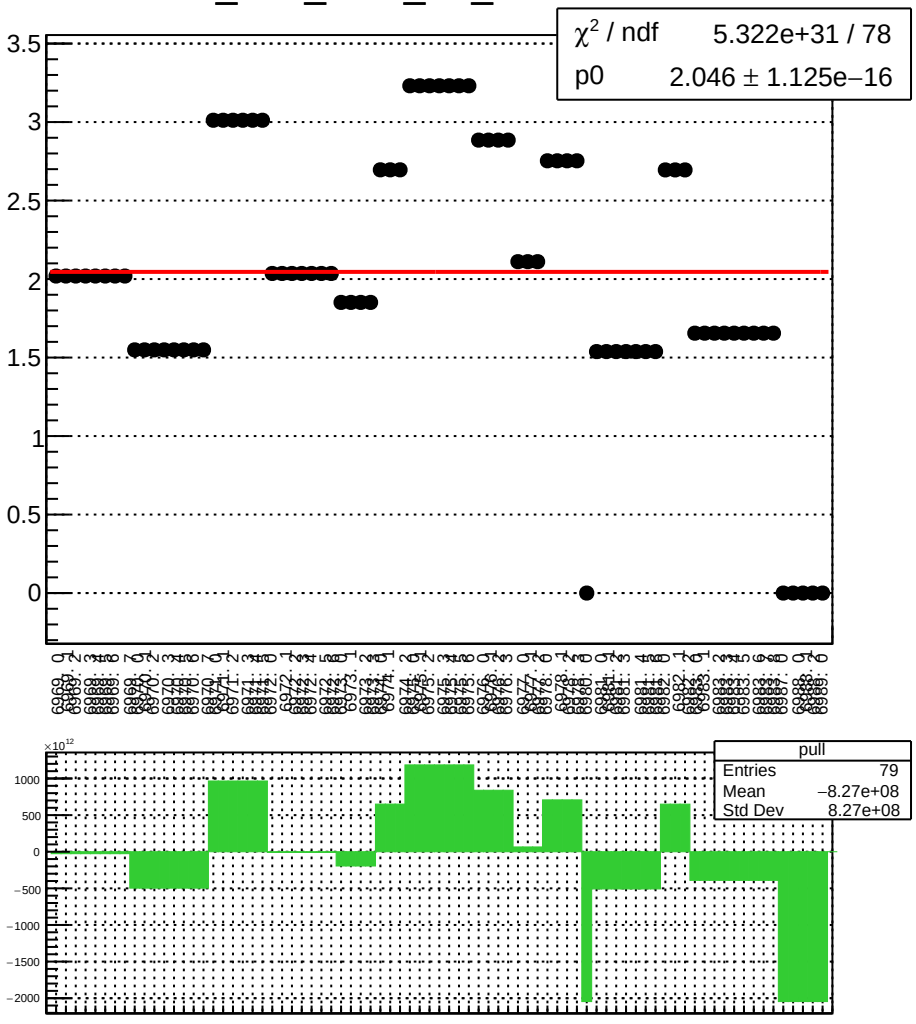
dit_11X12X_coil7_Ndata_mean vs run

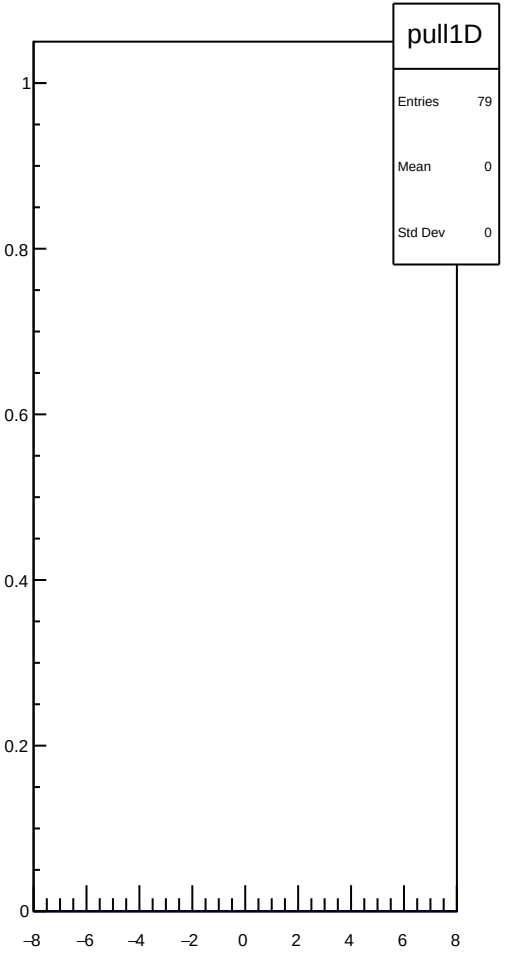


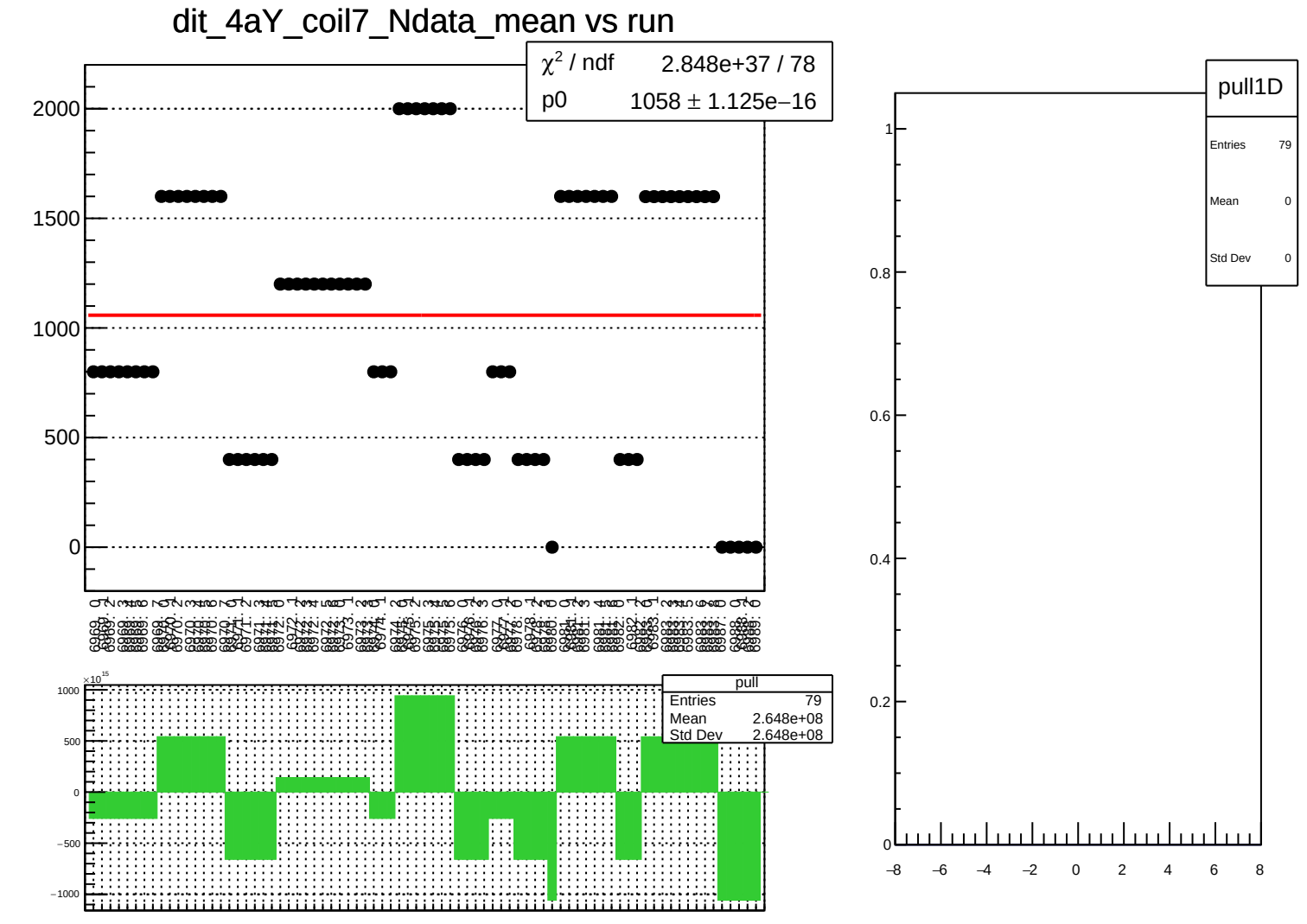


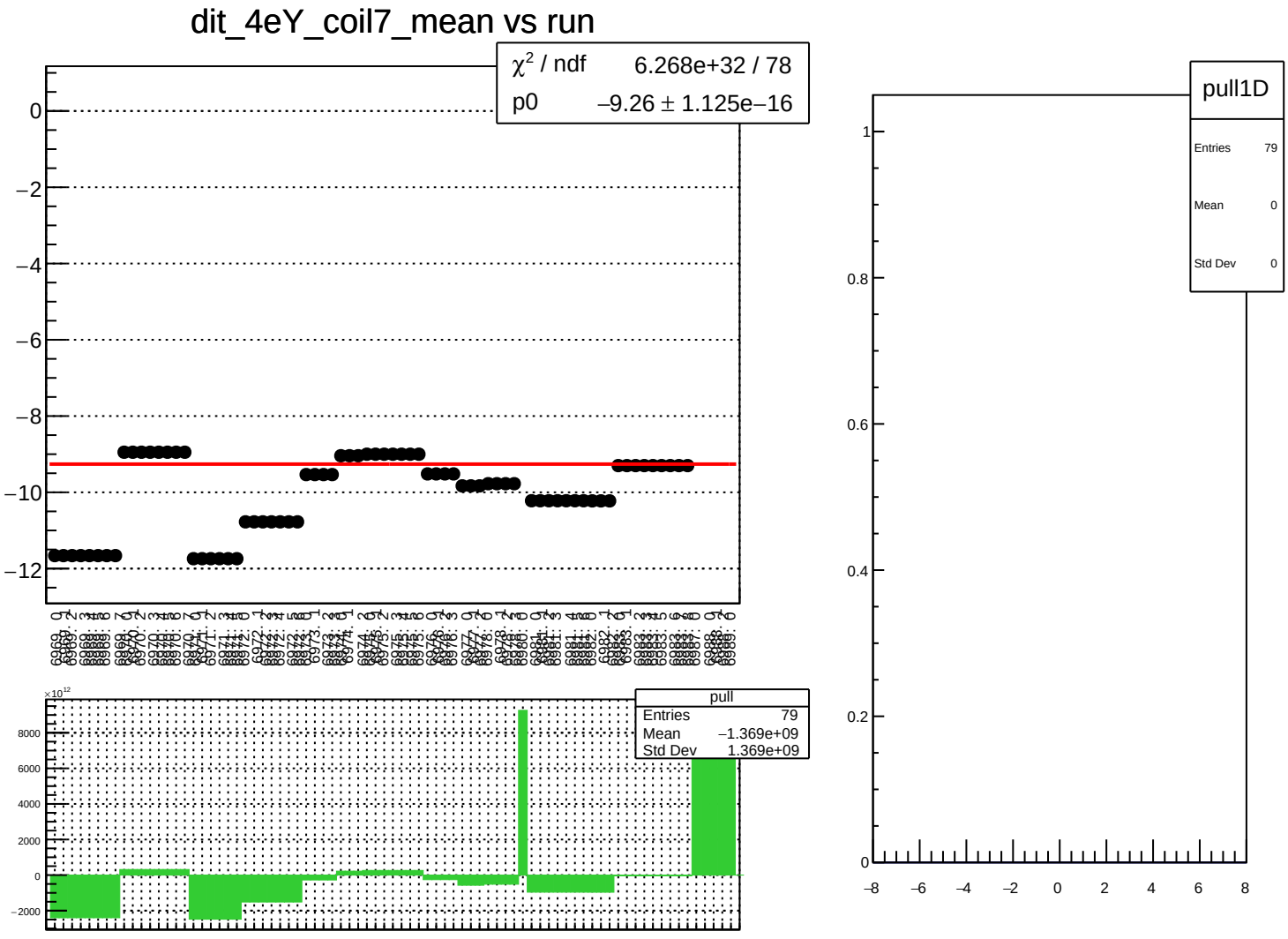

dit_4aY_coil7_mean vs run
χ² / ndf 9.6e+32 / 78
p0 −11.55 ± 1.125e−16
pull
Entries 79
Mean −2.012e+09
Std Dev 2.012e+09
pull1D
Entries 79
Mean 0
Std Dev 0

dit_4aY_coil7_err_mean vs run

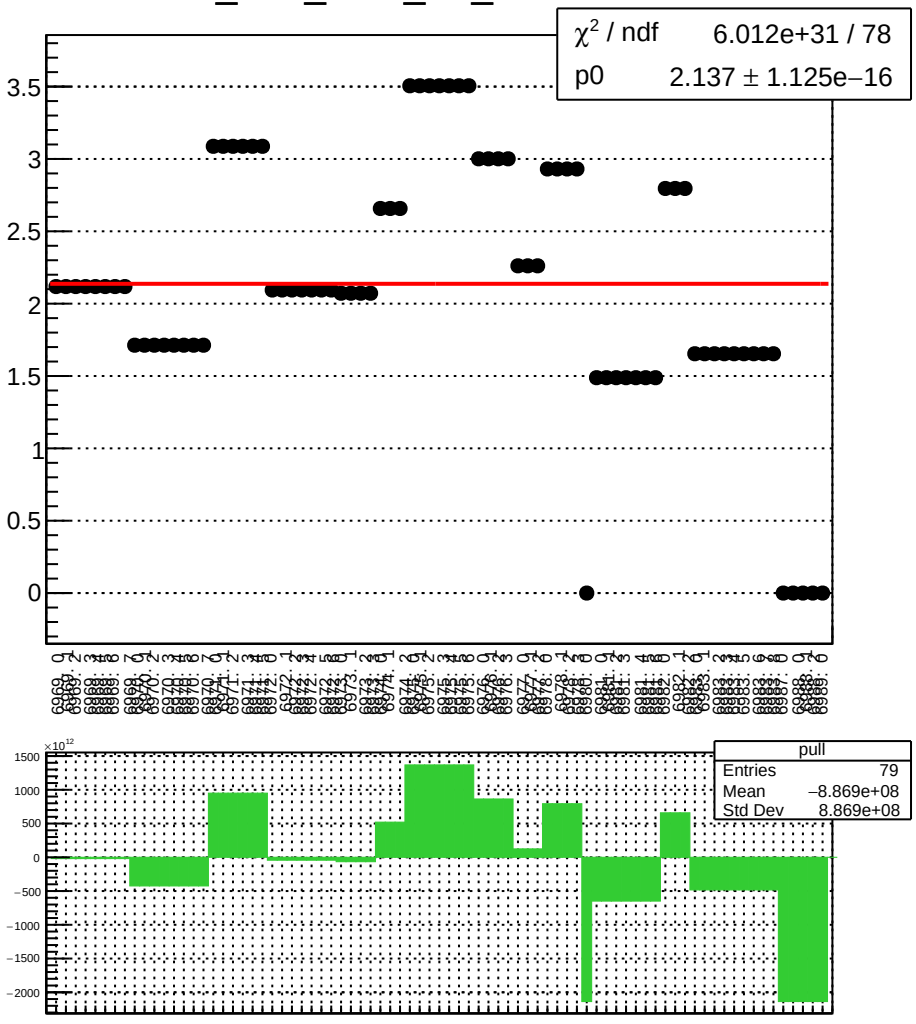


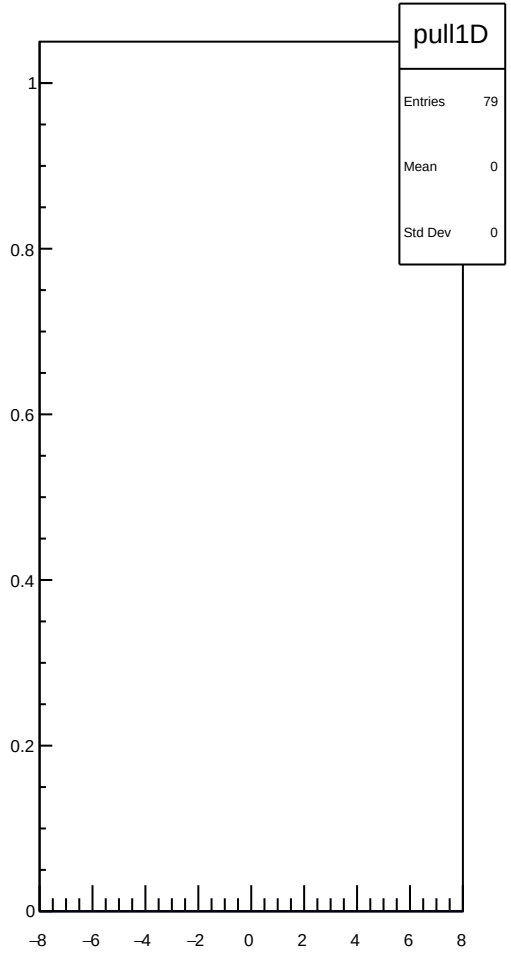



dit_4aY_coil7_Ndata_mean vs run
χ² / ndf 2.848e+37 / 78
p0 1058 ± 1.125e−16
2000
1500
1000
500
0
pull
Entries 79
Mean 2.648e+08
Std Dev 2.648e+08
1000
500
0
−500
−1000
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

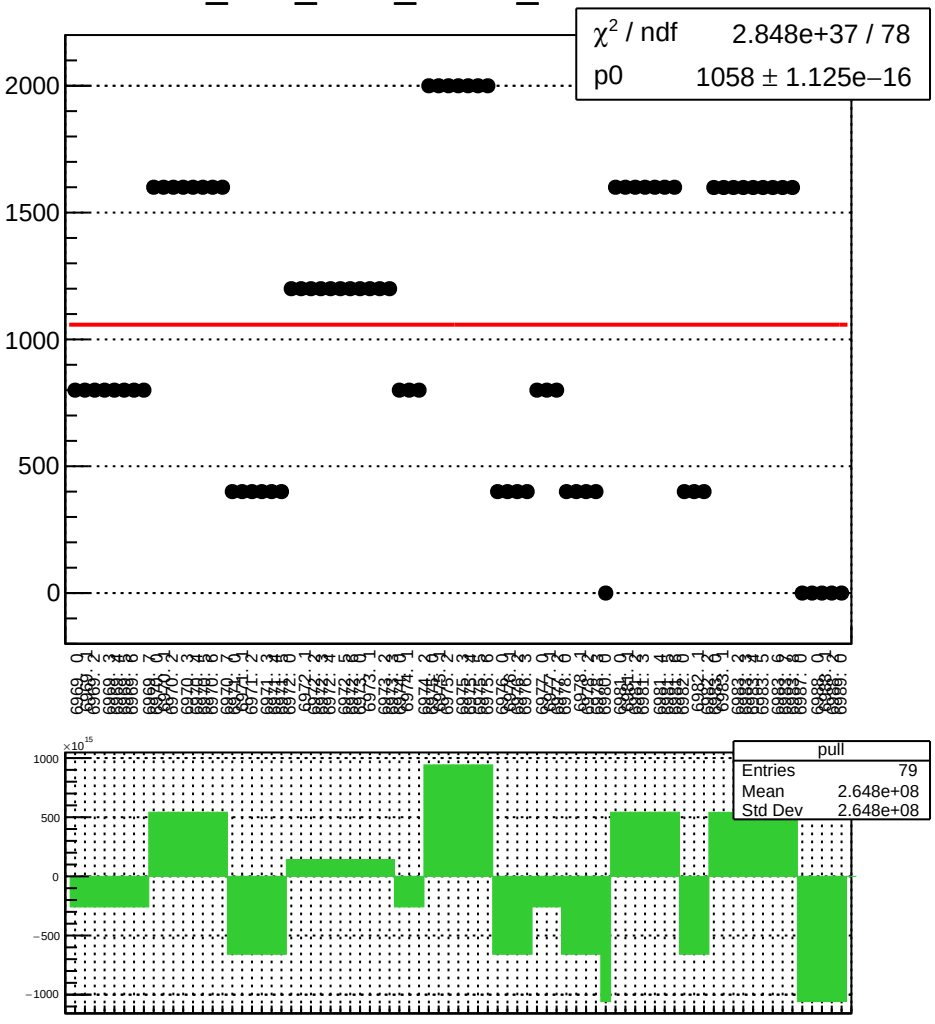

dit_4eY_coil7_mean vs run
χ^2 / ndf 6.268e+32 / 78
p0 −9.26 ± 1.125e−16
pull
Entries 79
Mean −1.369e+09
Std Dev 1.369e+09
pull1D
Entries 79
Mean 0
Std Dev 0

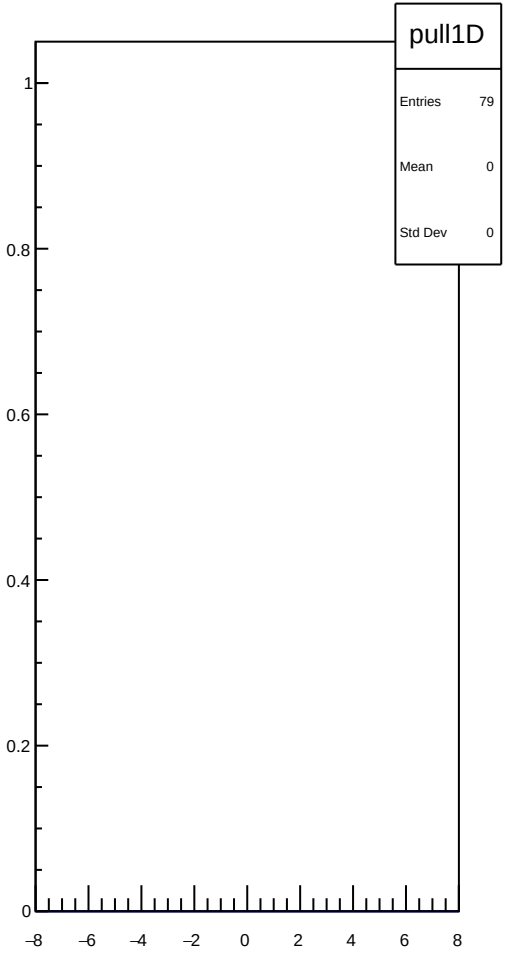
dit_4eY_coil7_err_mean vs run

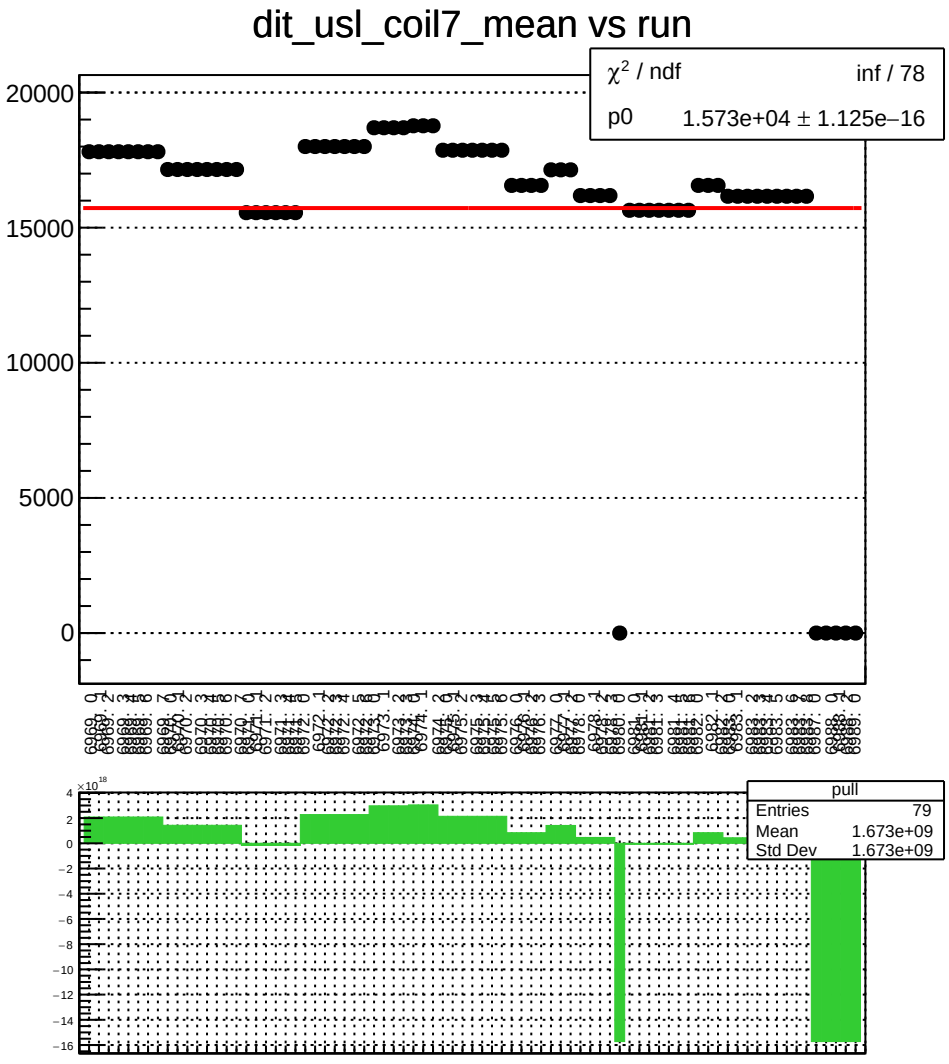


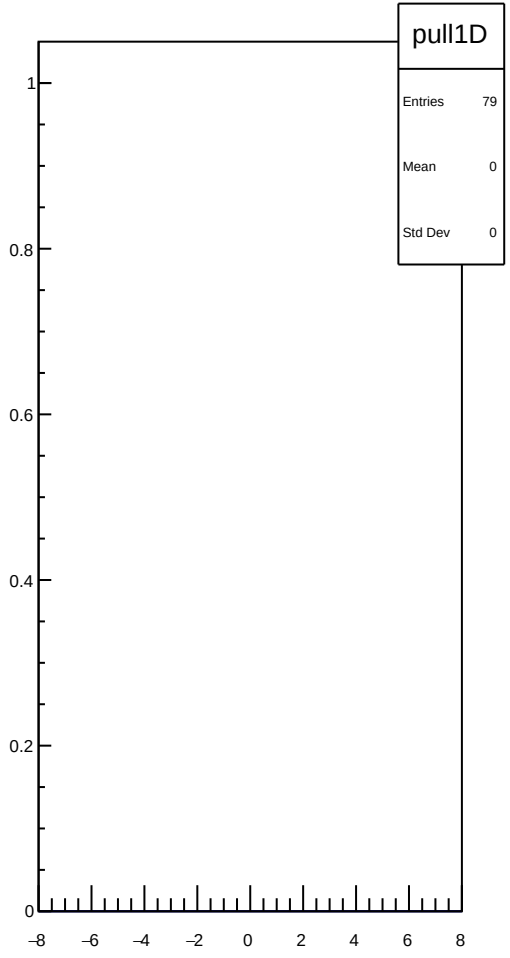


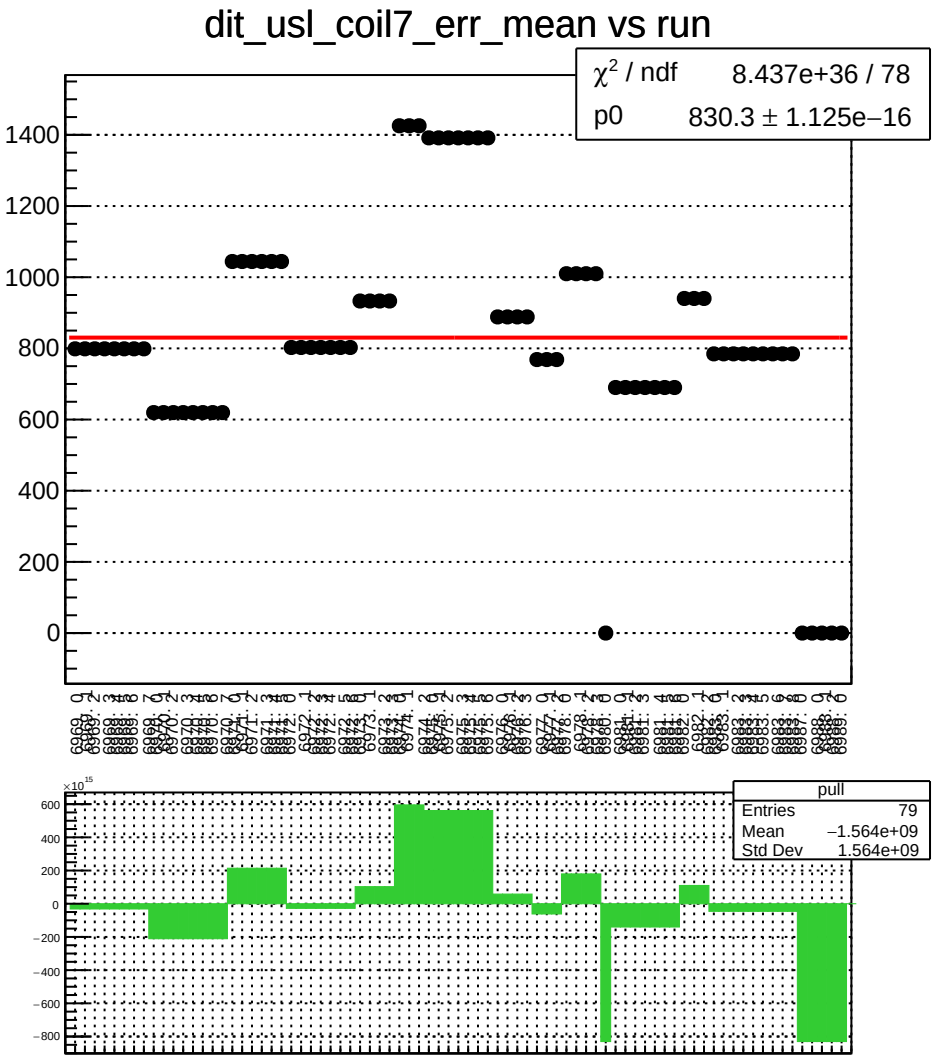
dit_4eY_coil7_Ndata_mean vs run

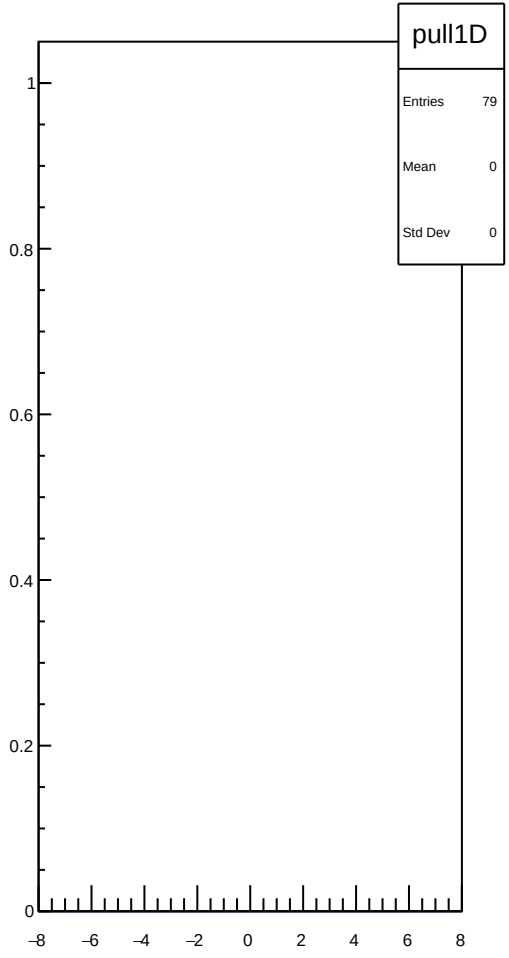


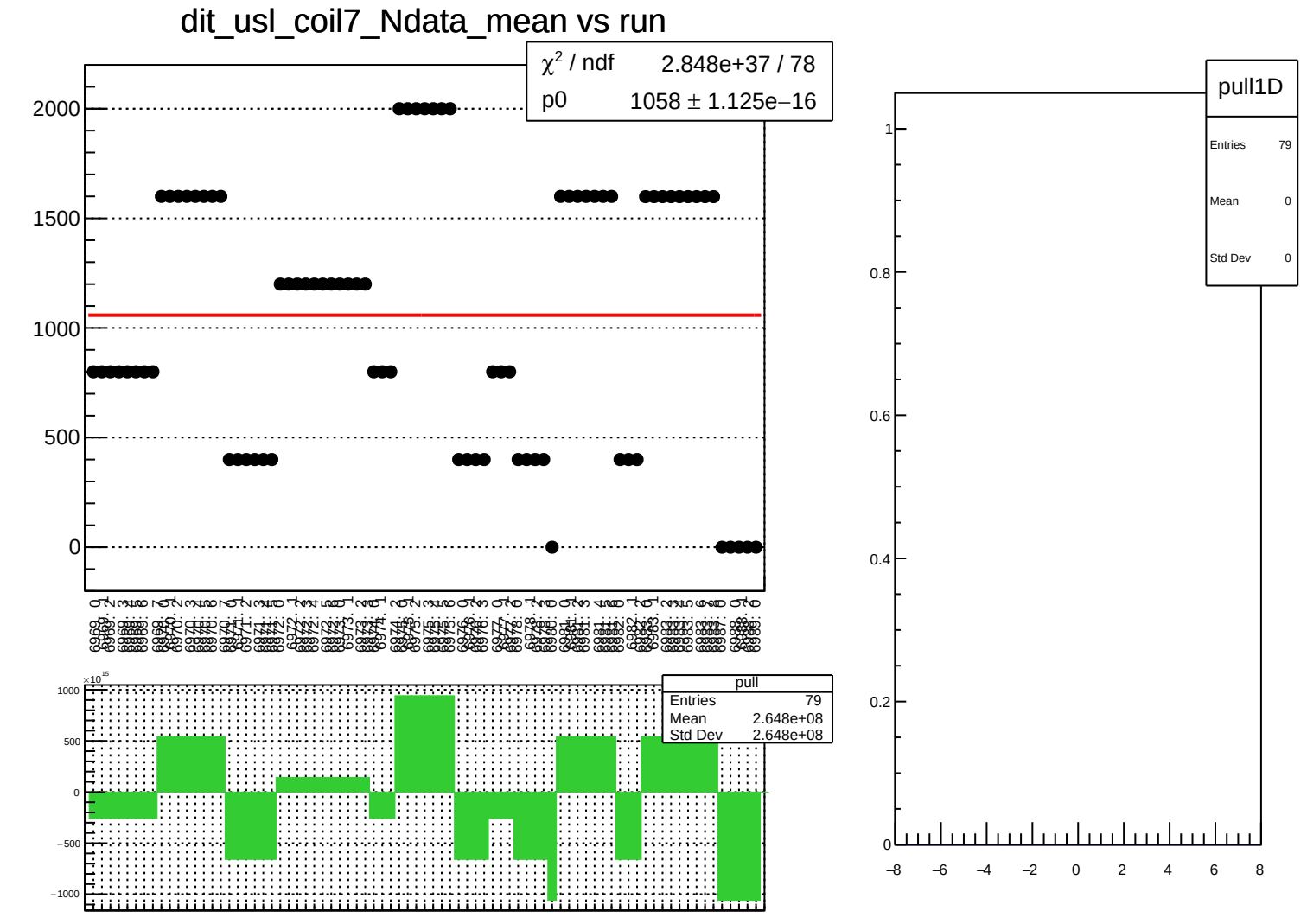


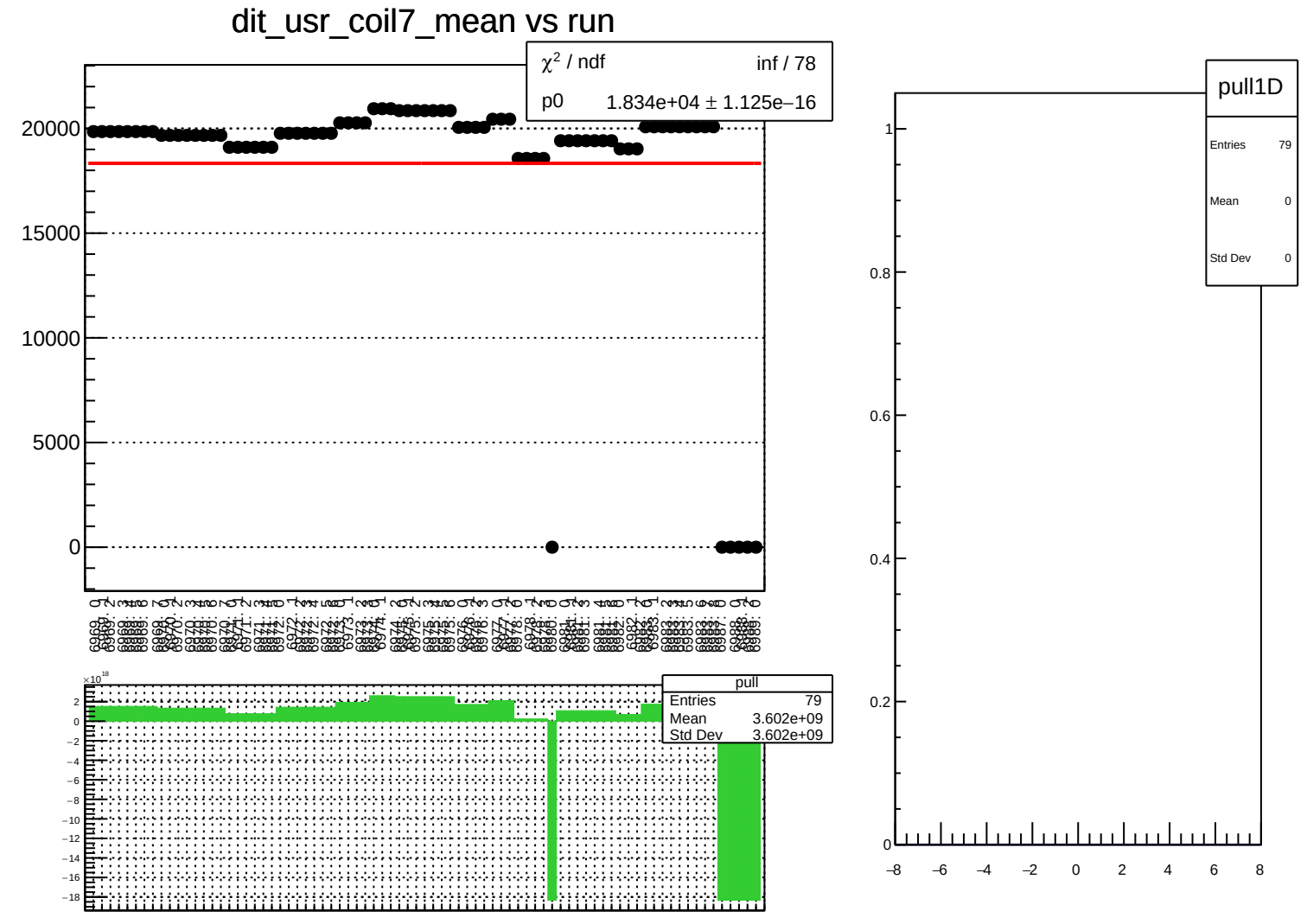

dit_usl_coil7_mean vs run
χ² / ndf inf / 78
p0 1.573e+04 ± 1.125e−16
20000
15000
10000
5000
0
pull
Entries 79
Mean 1.673e+09
Std Dev 1.673e+09
×10¹⁸


pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

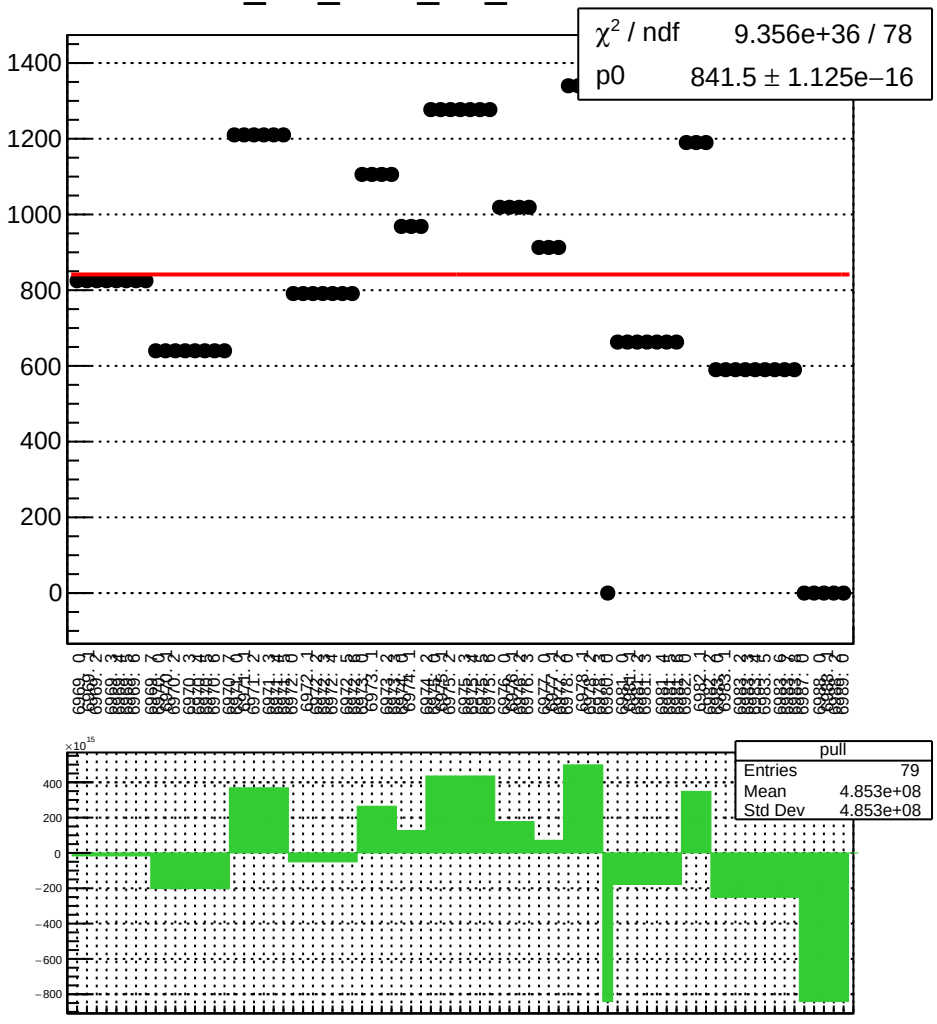

dit_usl_coil7_err_mean vs run
χ² / ndf 8.437e+36 / 78
p0 830.3 ± 1.125e−16
pull
Entries 79
Mean −1.564e+09
Std Dev 1.564e+09

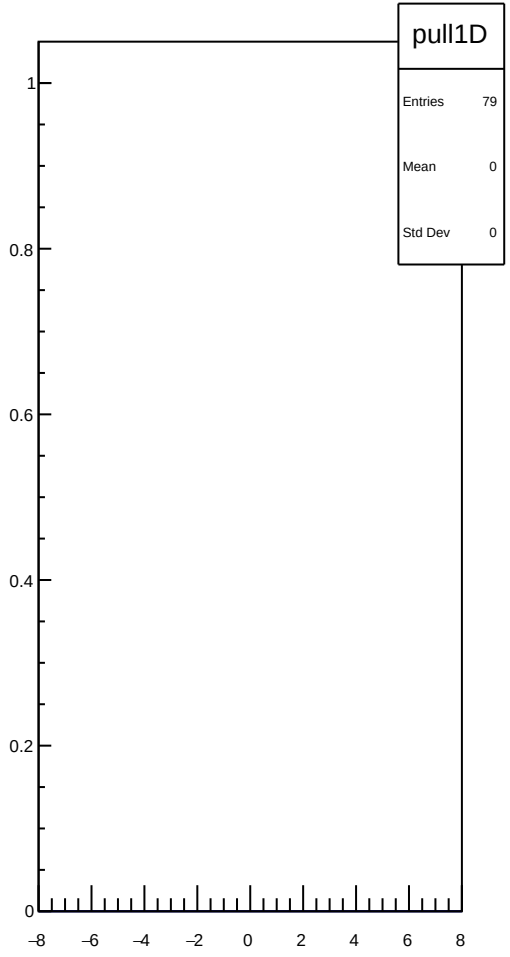

pull1D
Entries 79
Mean 0
Std Dev 0

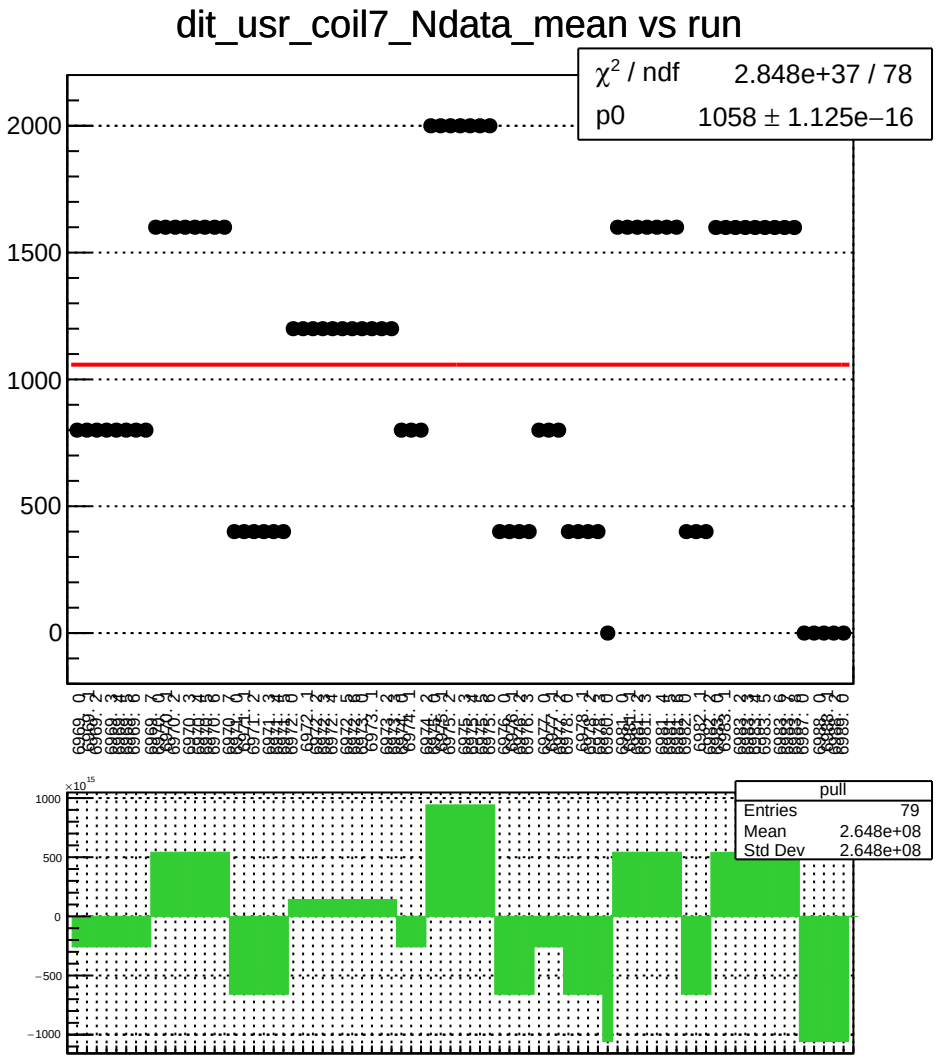

dit_usl_coil7_Ndata_mean vs run
χ² / ndf 2.848e+37 / 78
p0 1058 ± 1.125e−16
2000
1500
1000
500
0
pull
Entries 79
Mean 2.648e+08
Std Dev 2.648e+08
1000
500
0
−500
−1000
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

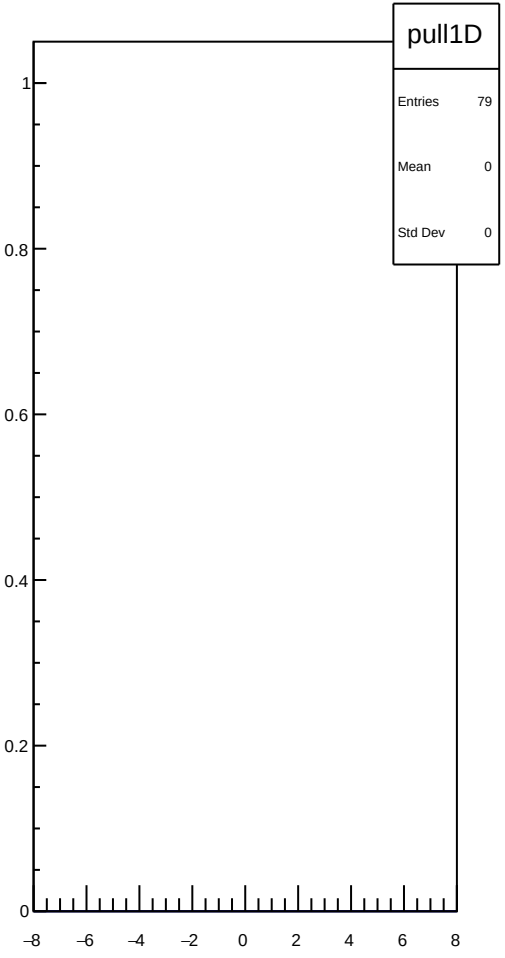

dit_usr_coil7_mean vs run
χ² / ndf inf / 78
p0 1.834e+04 ± 1.125e−16
20000
15000
10000
5000
0
pull
Entries 79
Mean 3.602e+09
Std Dev 3.602e+09
×10¹⁸
2
0
−2
−4
−6
−8
−10
−12
−14
−16
−18
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

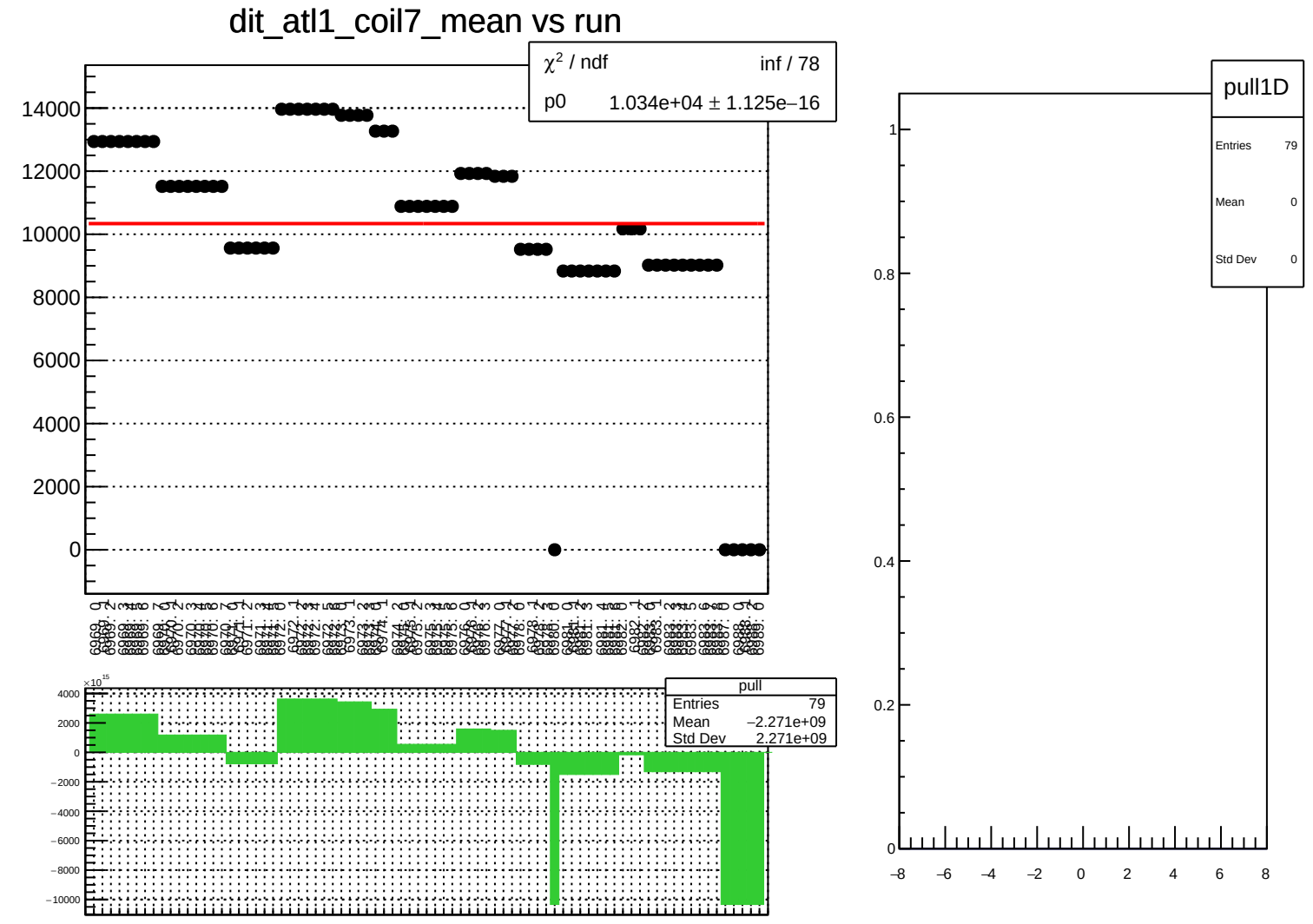
dit_usr_coil7_err_mean vs run

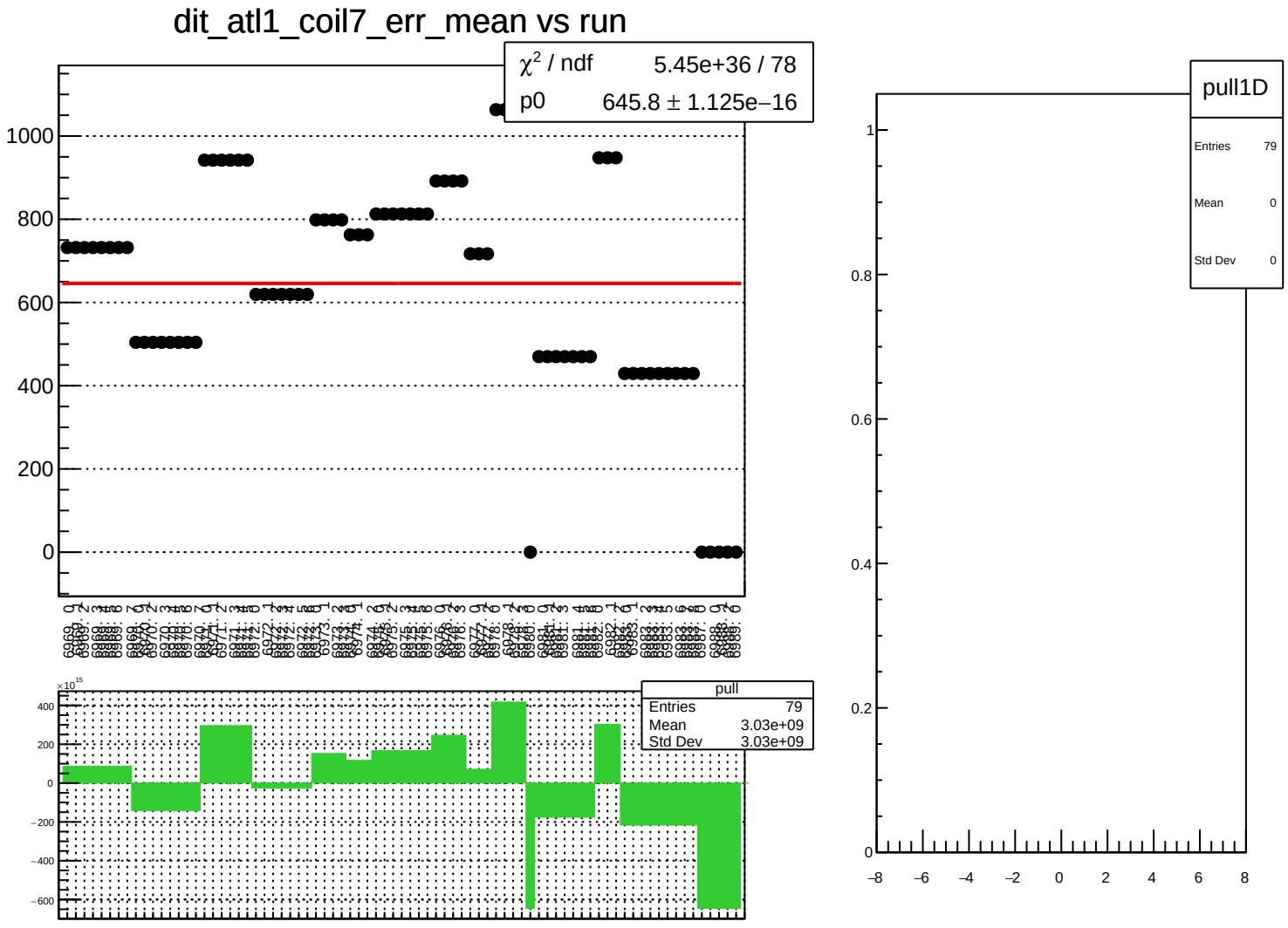




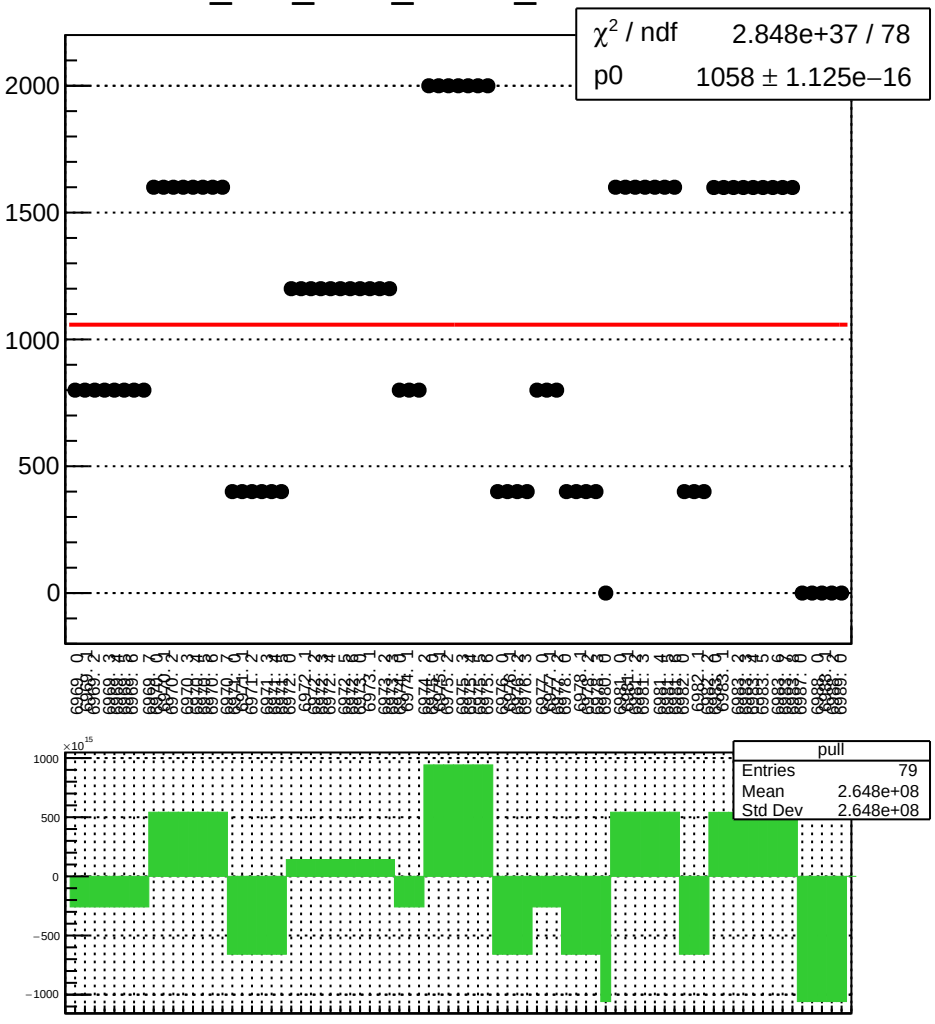

dit_usr_coil7_Ndata_mean vs run
χ^2 / ndf 2.848e+37 / 78
p0 1058 ± 1.125e−16
2000
1500
1000
500
0
pull
Entries 79
Mean 2.648e+08
Std Dev 2.648e+08
1000
500
0
−500
−1000

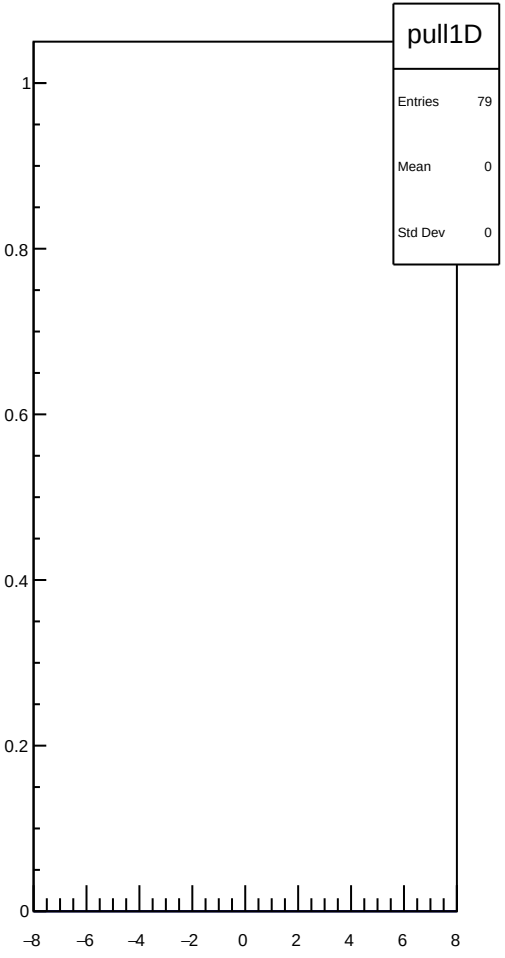

pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

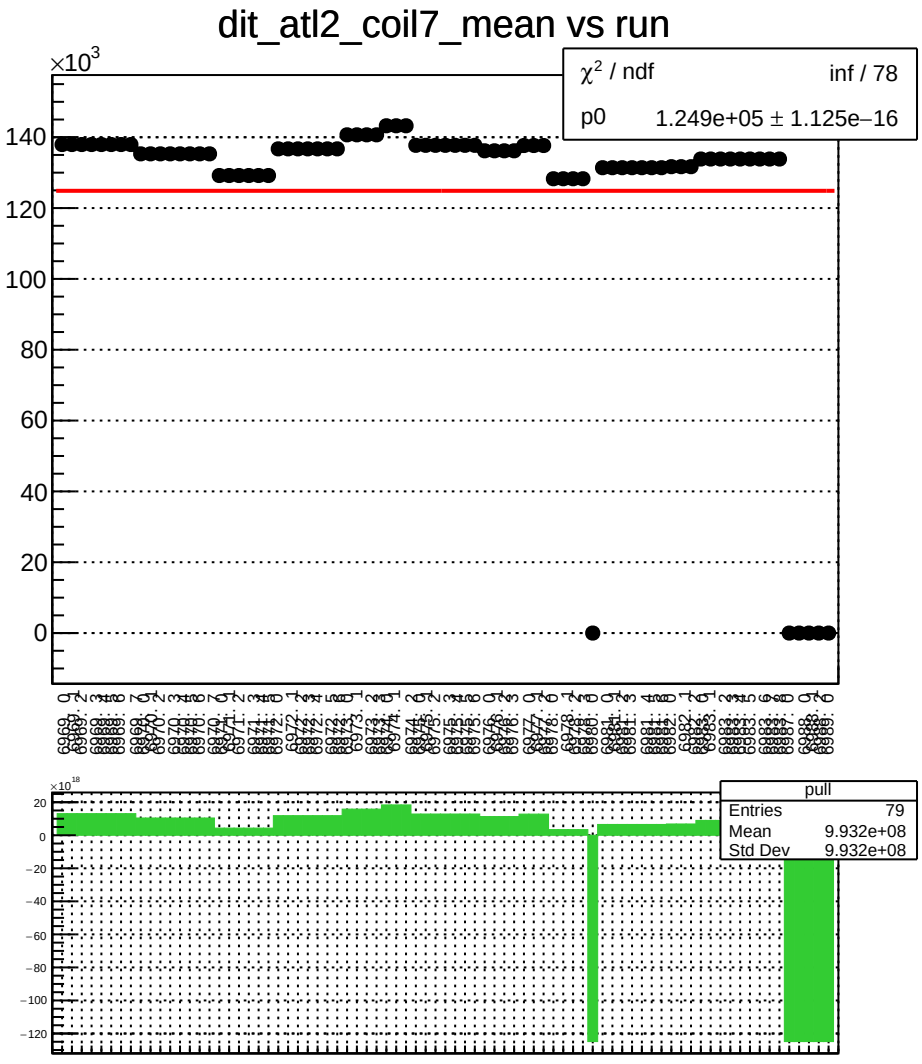

dit_atl1_coil7_mean vs run
χ² / ndf inf / 78
p0 1.034e+04 ± 1.125e−16
14000
12000
10000
8000
6000
4000
2000
0
pull
Entries 79
Mean −2.271e+09
Std Dev 2.271e+09
×10^15
4000
2000
0
−2000
−4000
−6000
−8000
−10000
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

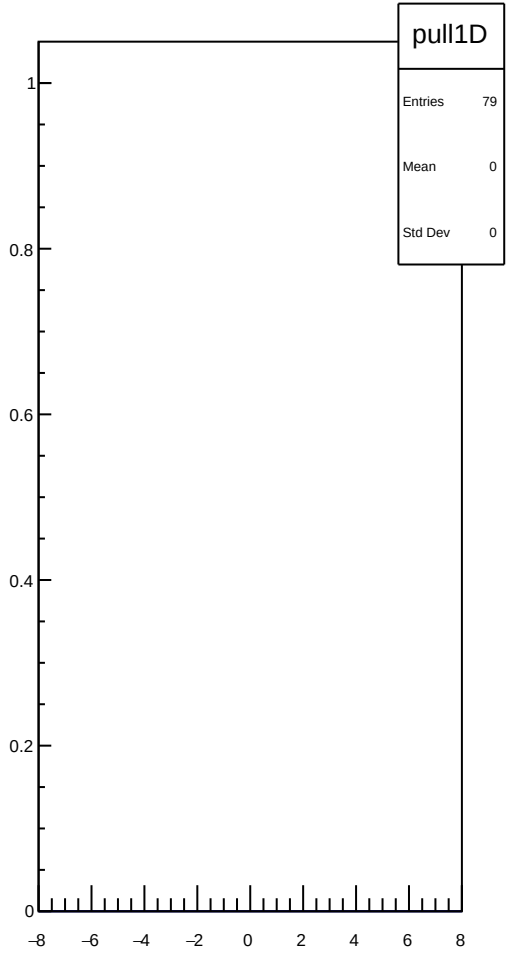

dit_atl1_coil7_err_mean vs run
χ² / ndf 5.45e+36 / 78
p0 645.8 ± 1.125e−16
1000
800
600
400
200
0
pull
Entries 79
Mean 3.03e+09
Std Dev 3.03e+09
×10¹⁵
400
200
0
−200
−400
−600
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

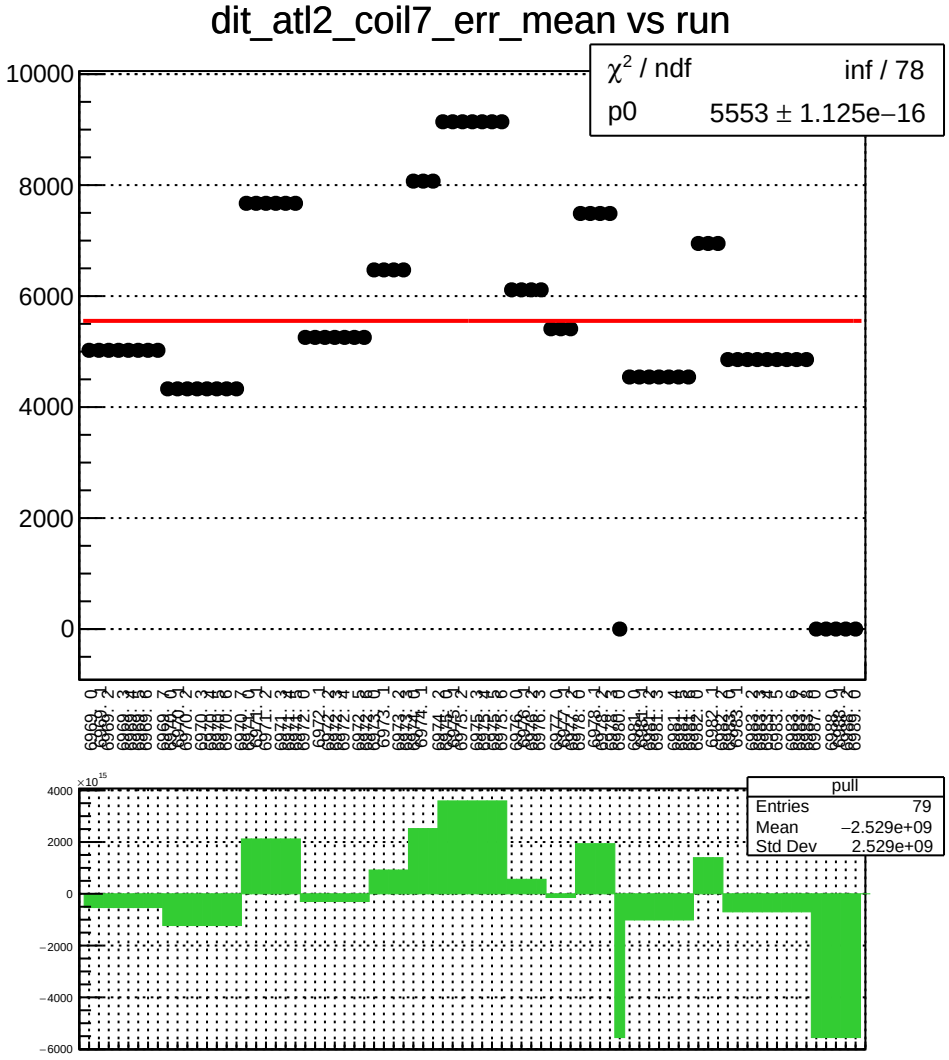
dit_atl1_coil7_Ndata_mean vs run

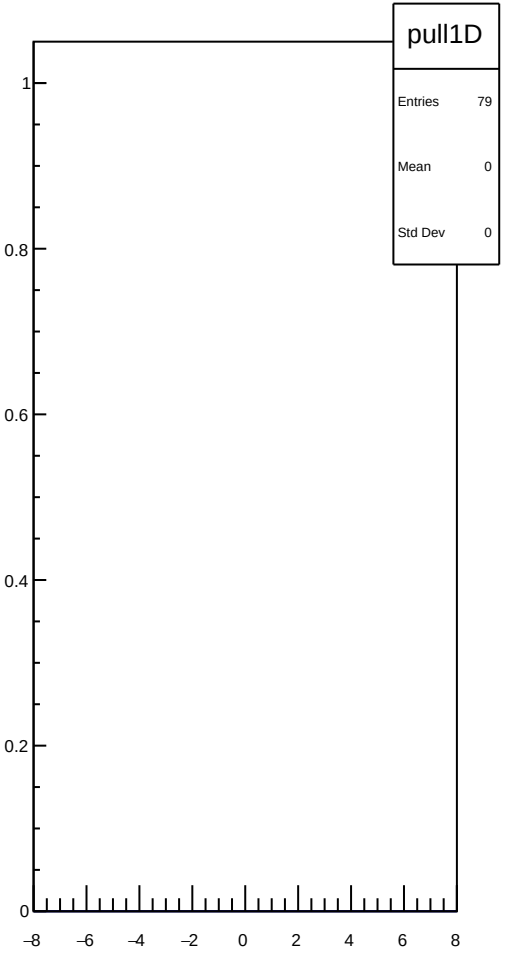




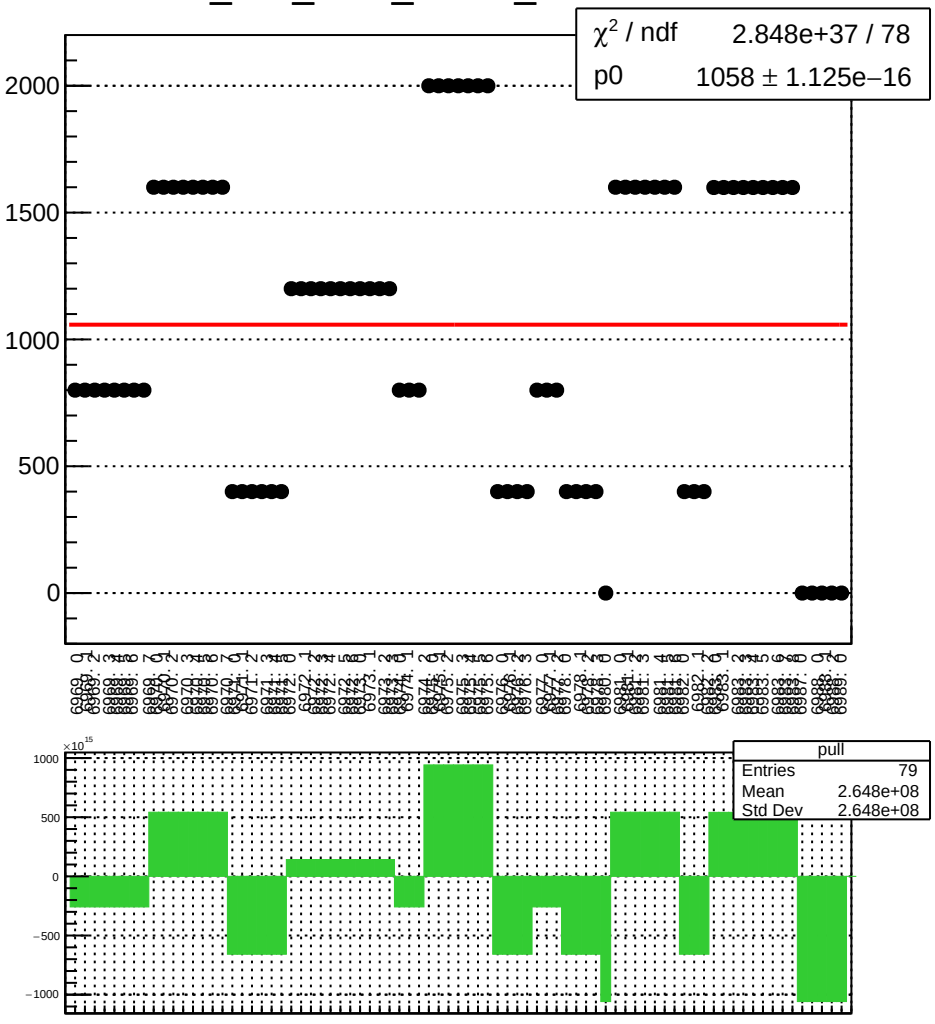

dit_atl2_coil7_mean vs run
χ^2 / ndf inf / 78
p0 1.249e+05 ± 1.125e−16
×10^3
140
120
100
80
60
40
20
0
pull
Entries 79
Mean 9.932e+08
Std Dev 9.932e+08
×10^18
20
0
−20
−40
−60
−80
−100
−120

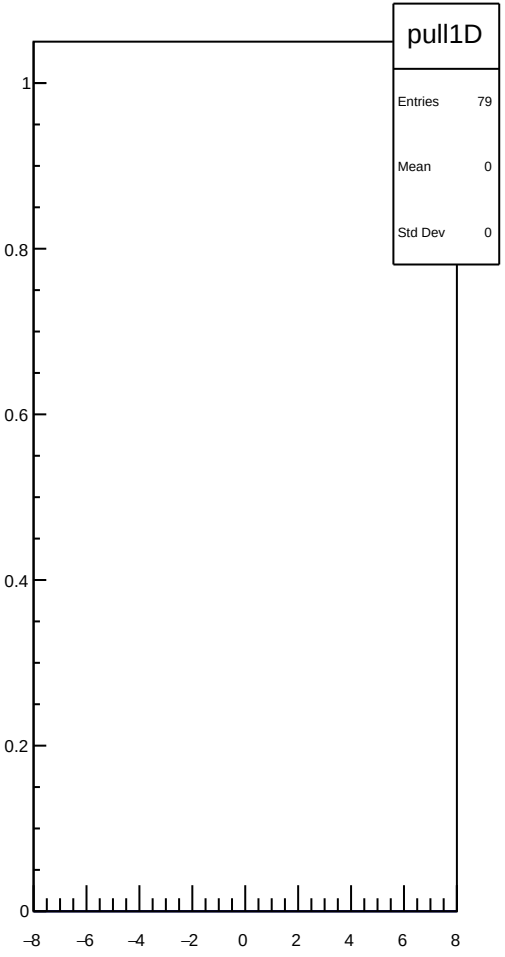

pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

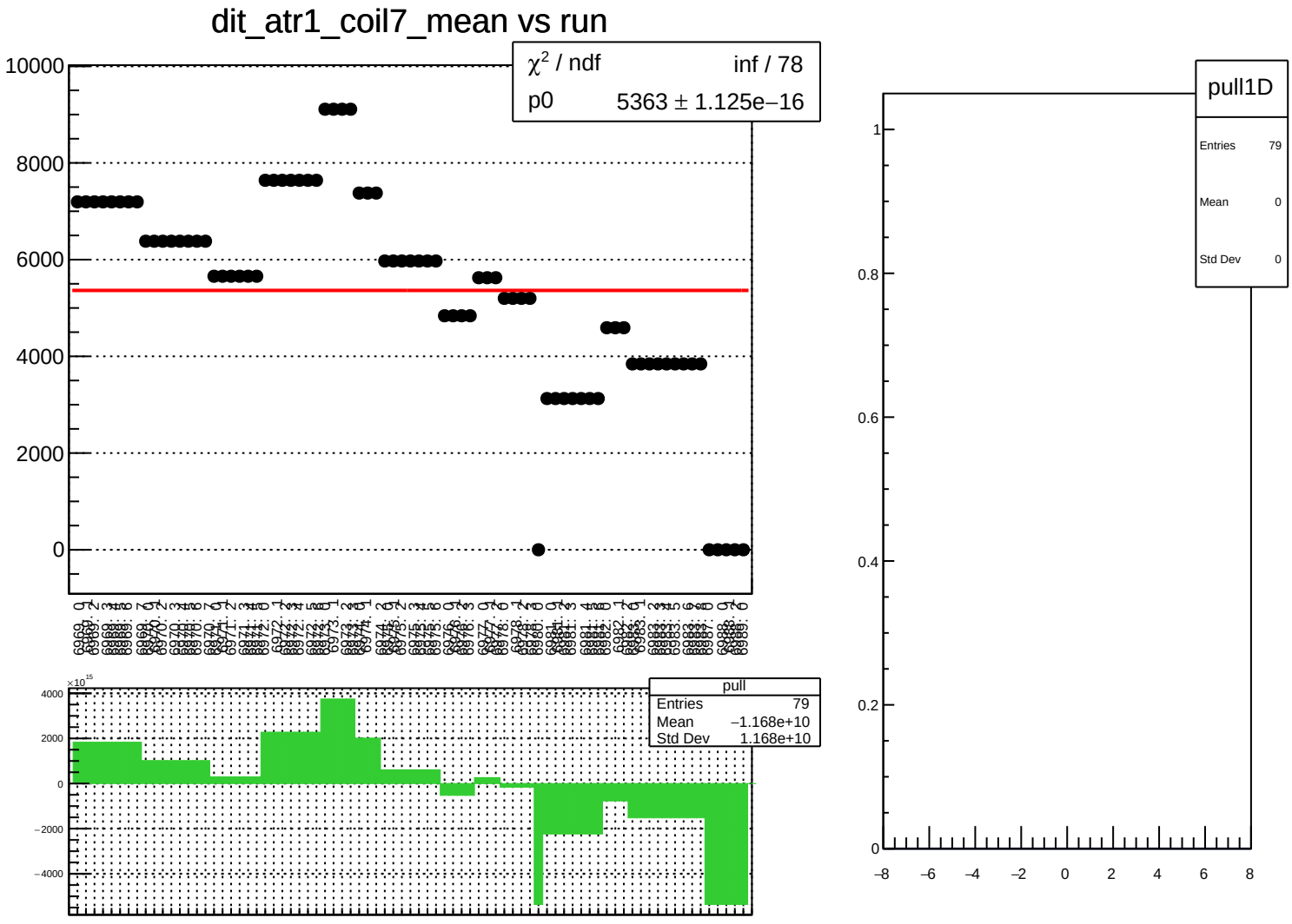

dit_atl2_coil7_err_mean vs run
χ² / ndf inf / 78
p0 5553 ± 1.125e−16
pull
Entries 79
Mean −2.529e+09
Std Dev 2.529e+09

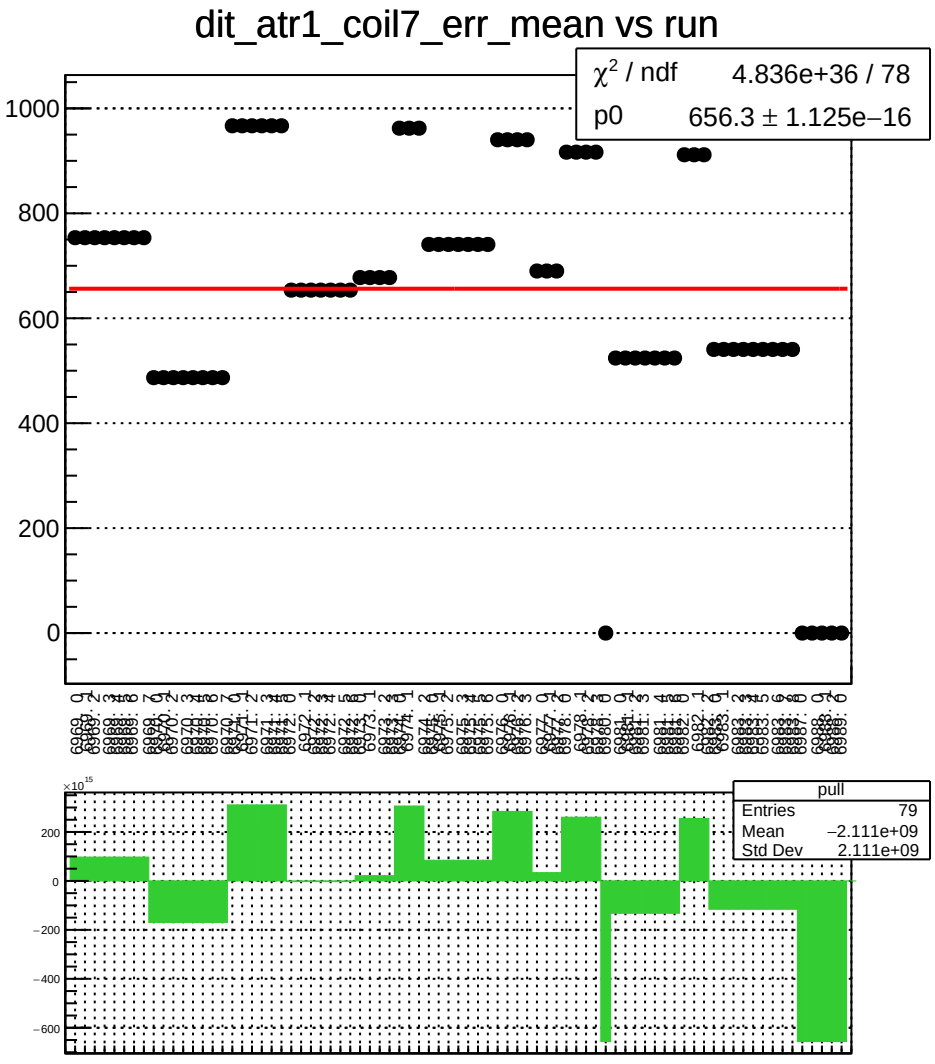

pull1D
Entries 79
Mean 0
Std Dev 0

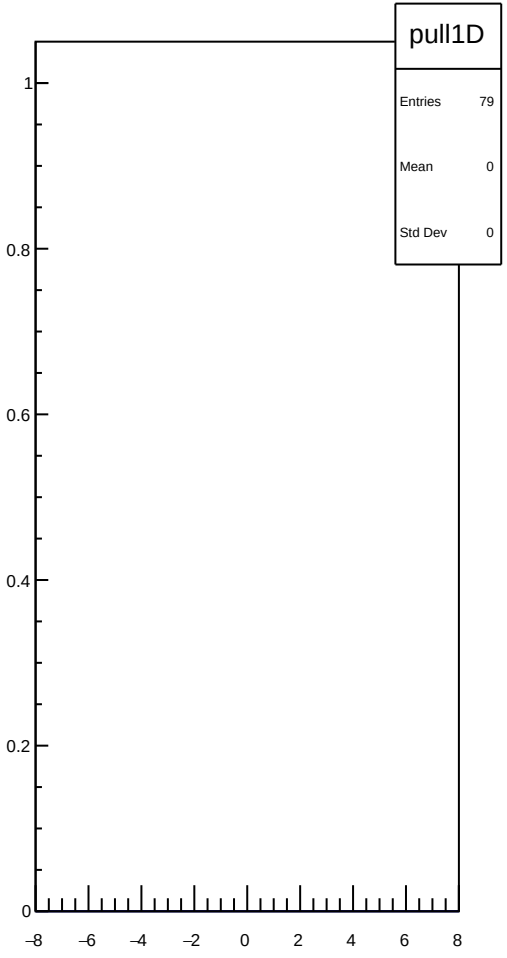
dit_atl2_coil7_Ndata_mean vs run

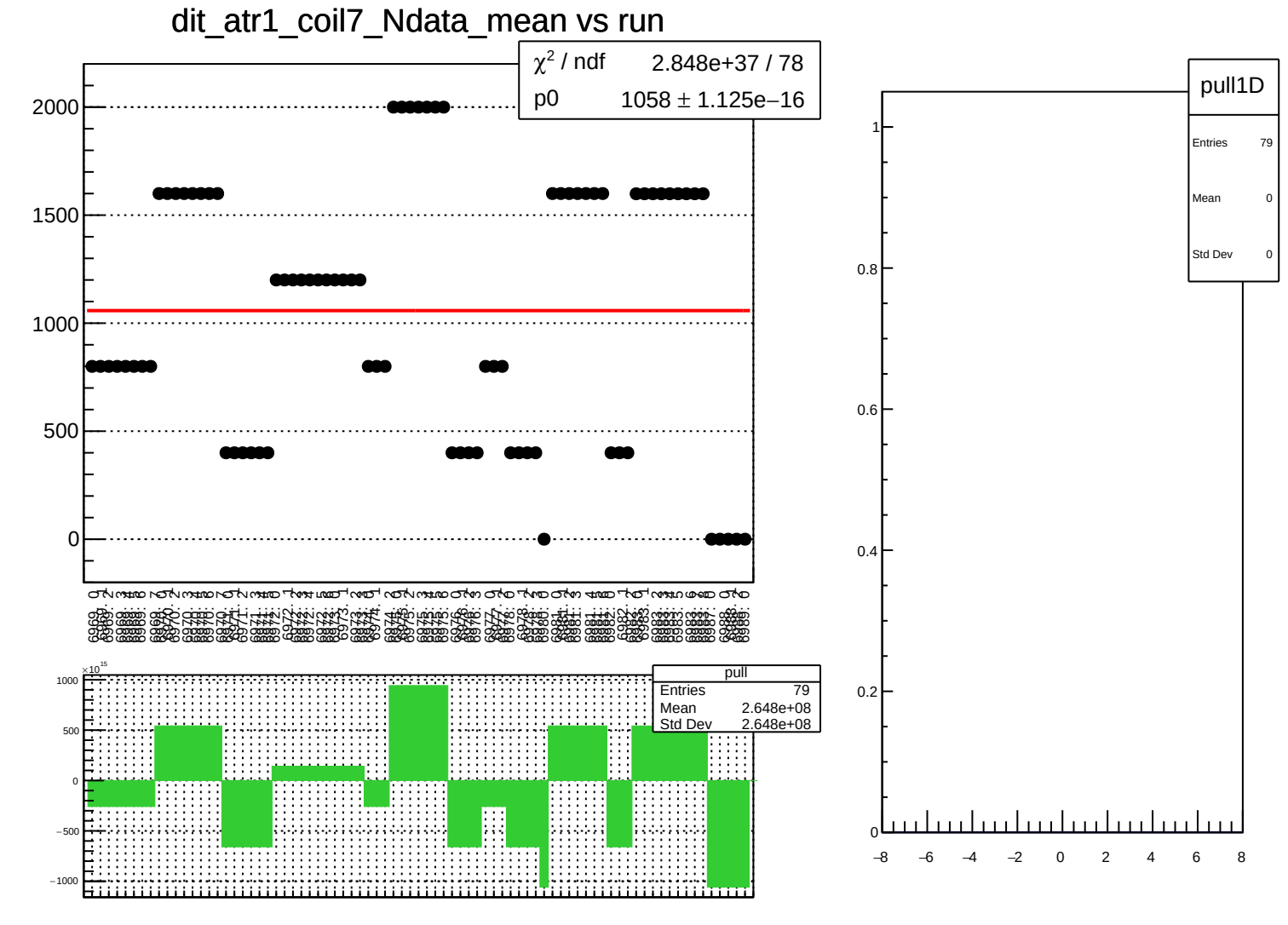


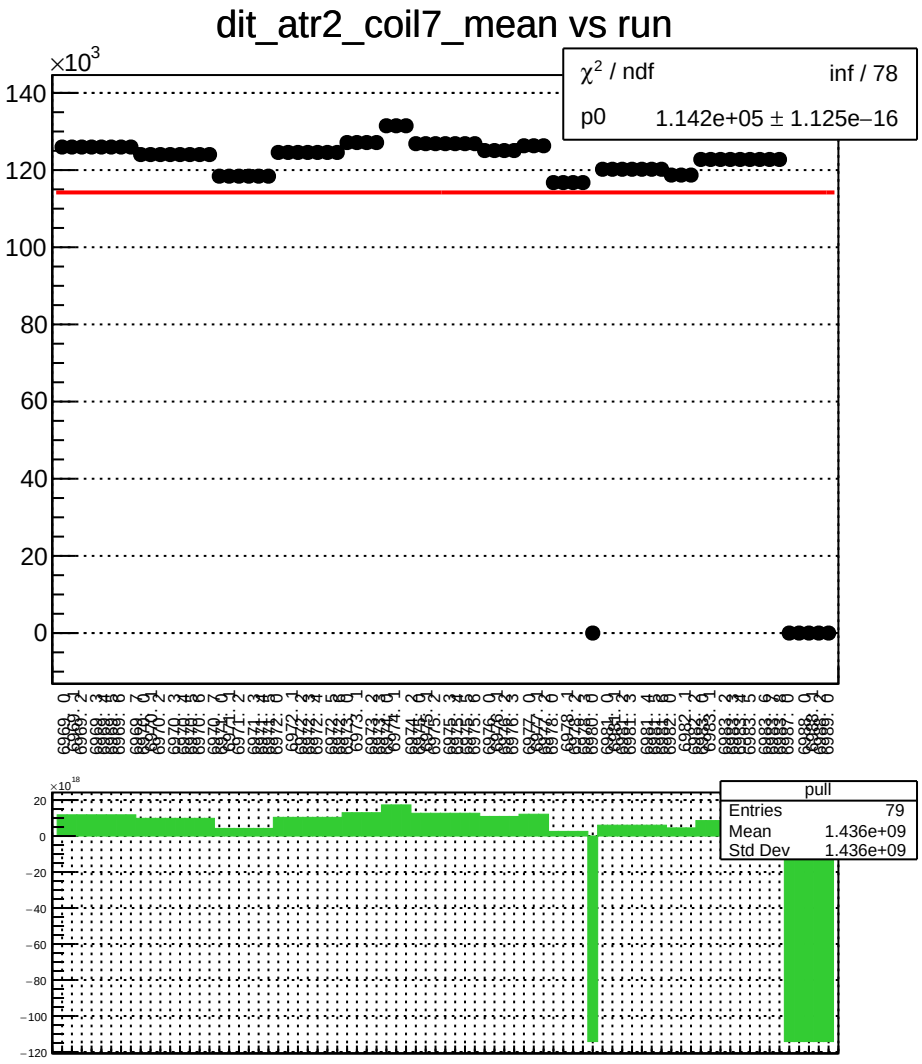


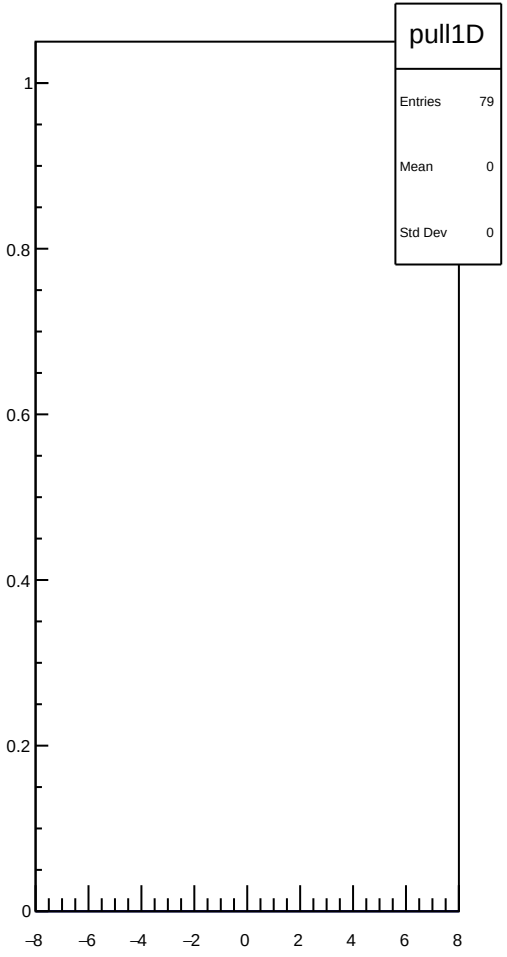

dit_atr1_coil7_mean vs run
χ² / ndf inf / 78
p0 5363 ± 1.125e−16
pull
Entries 79
Mean −1.168e+10
Std Dev 1.168e+10
pull1D
Entries 79
Mean 0
Std Dev 0

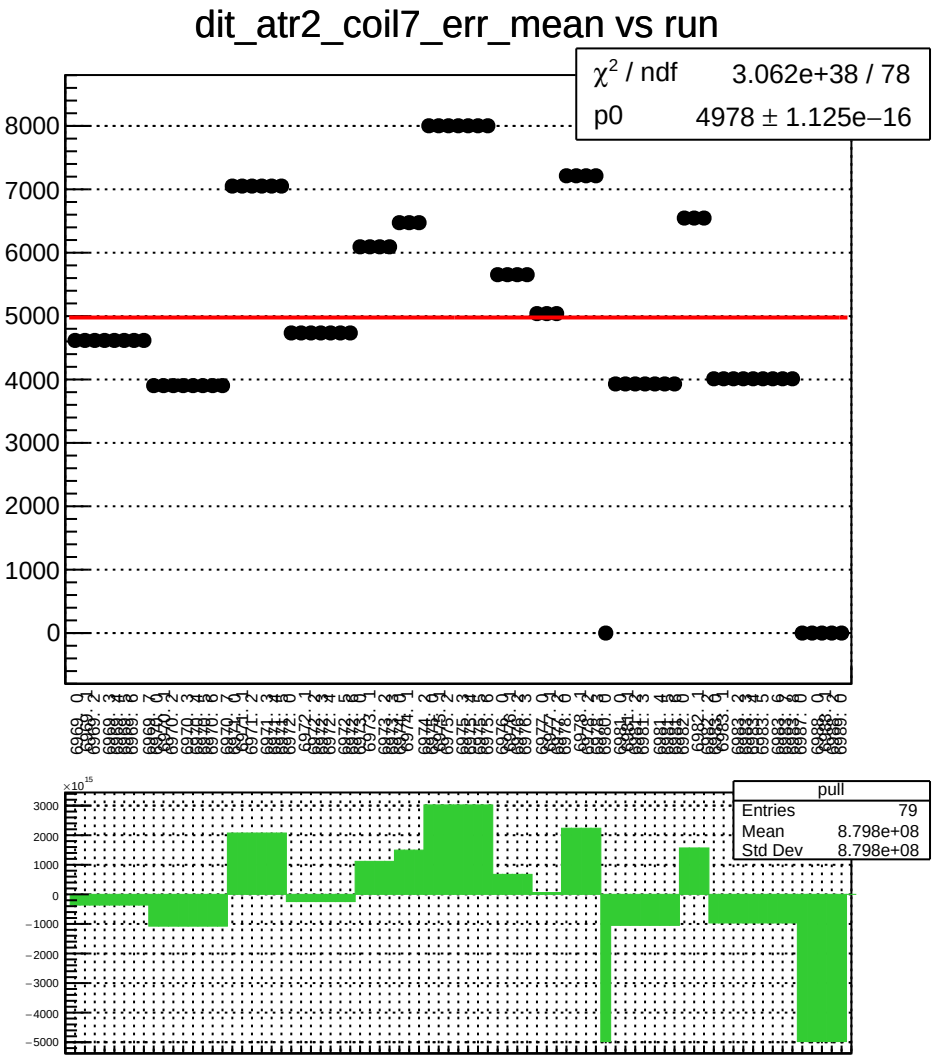

dit_atr1_coil7_err_mean vs run
χ² / ndf 4.836e+36 / 78
p0 656.3 ± 1.125e−16
1000
800
600
400
200
0
pull
Entries 79
Mean −2.111e+09
Std Dev 2.111e+09
×10¹⁵
200
0
−200
−400
−600

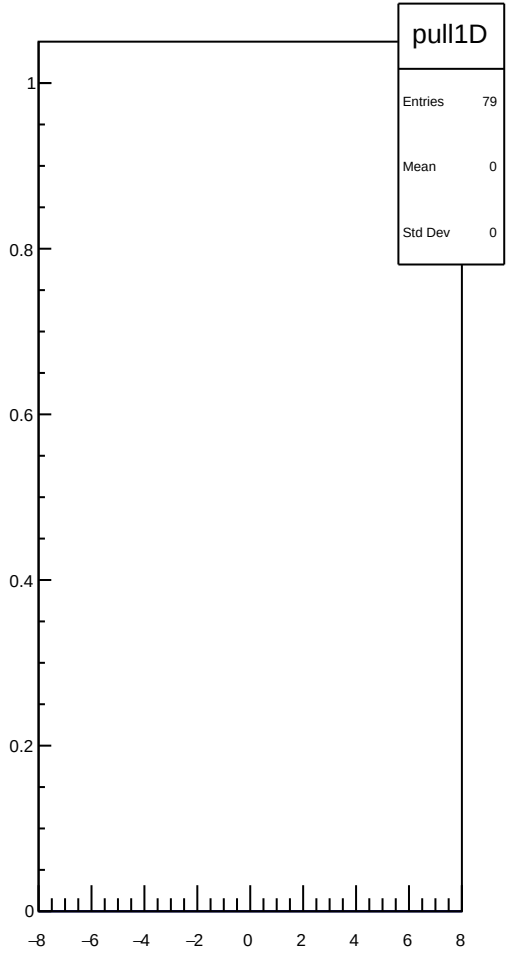

pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_atr1_coil7_Ndata_mean vs run
χ² / ndf 2.848e+37 / 78
p0 1058 ± 1.125e−16
2000
1500
1000
500
0
pull
Entries 79
Mean 2.648e+08
Std Dev 2.648e+08
1000
500
0
−500
−1000
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

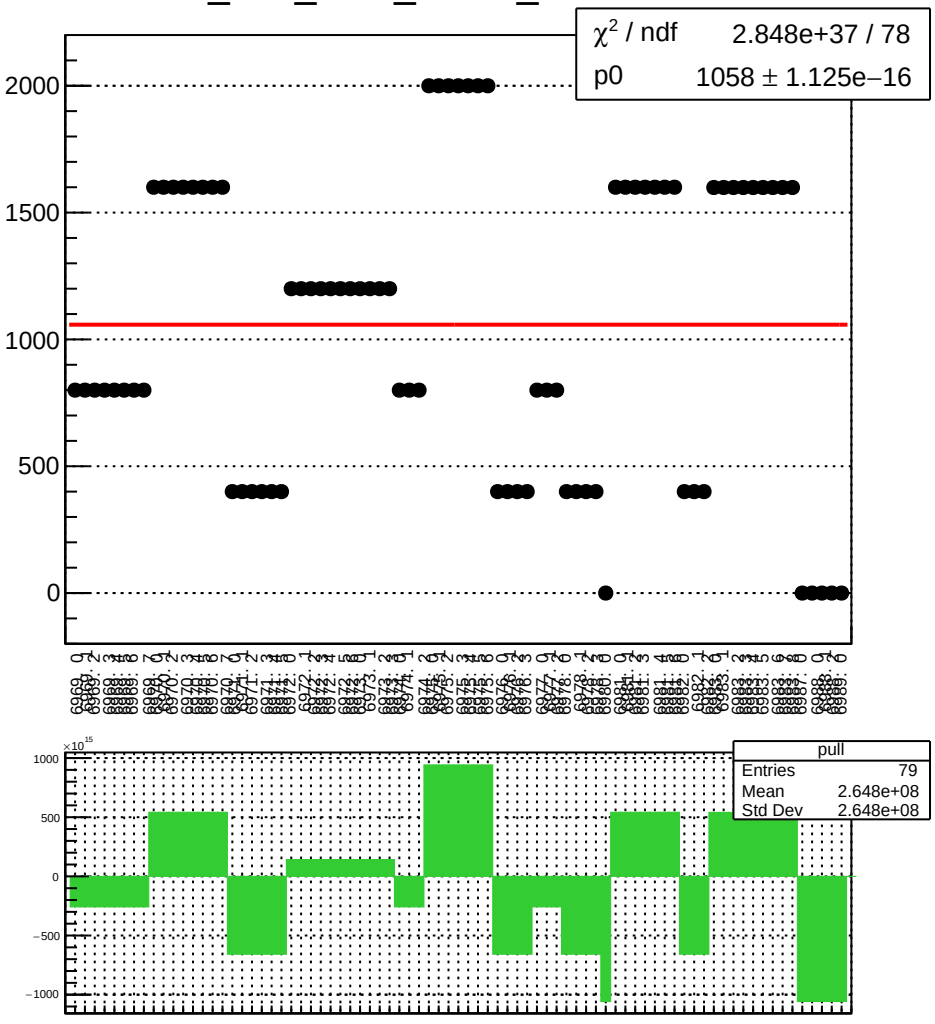

dit_atr2_coil7_mean vs run
×10^3
χ² / ndf inf / 78
p0 1.142e+05 ± 1.125e−16
pull
Entries 79
Mean 1.436e+09
Std Dev 1.436e+09
×10^18

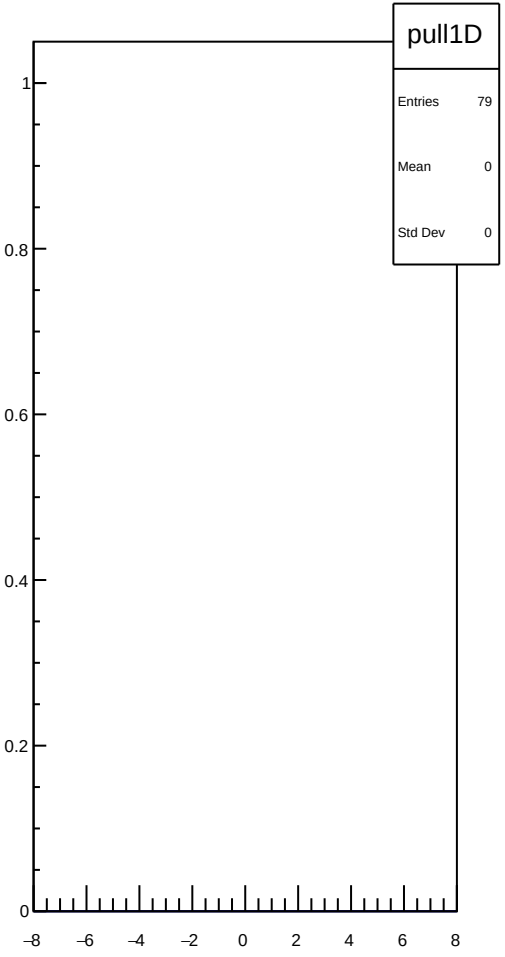

pull1D
Entries 79
Mean 0
Std Dev 0

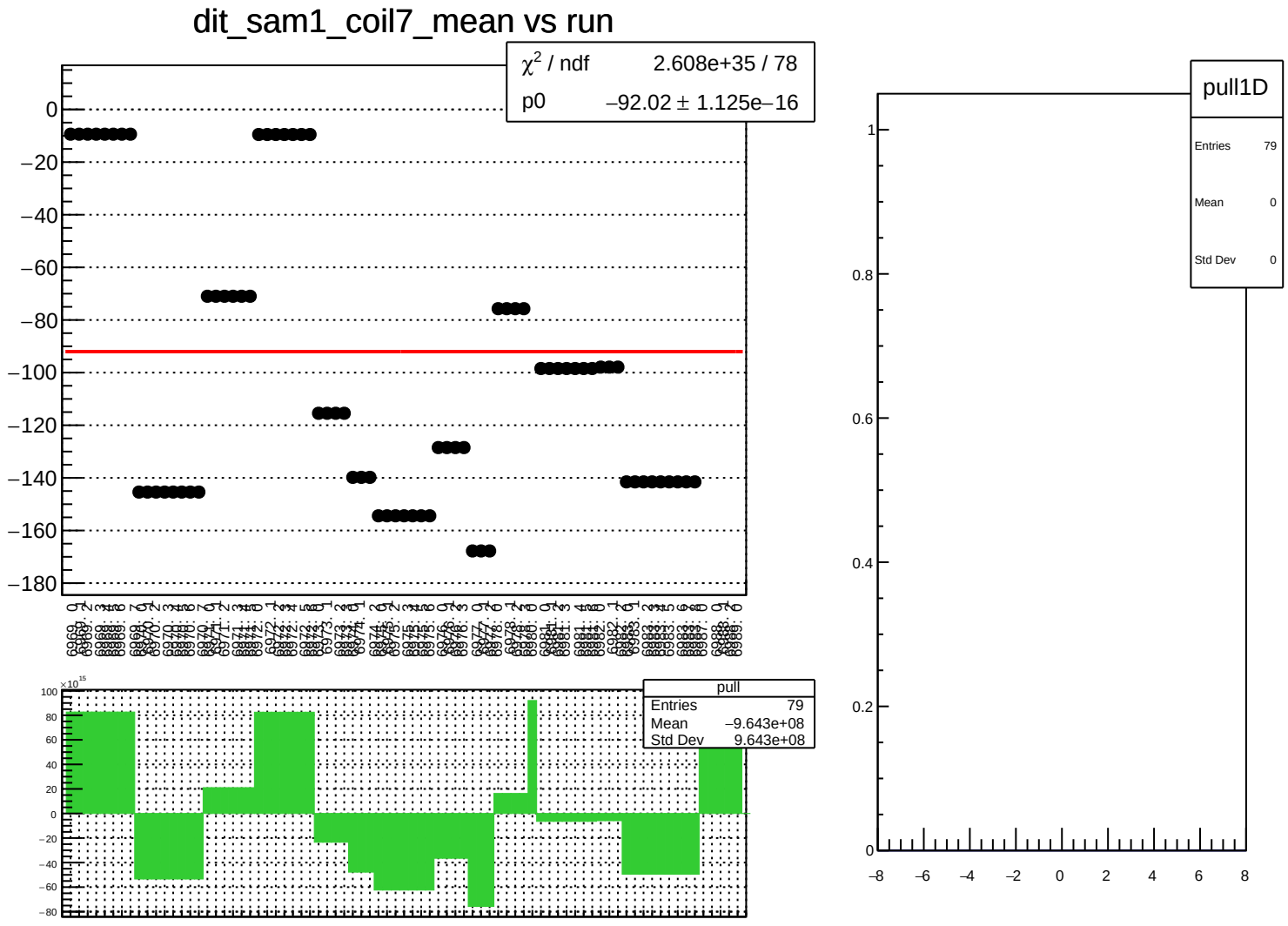

dit_atr2_coil7_err_mean vs run
χ² / ndf 3.062e+38 / 78
p0 4978 ± 1.125e−16
pull
Entries 79
Mean 8.798e+08
Std Dev 8.798e+08

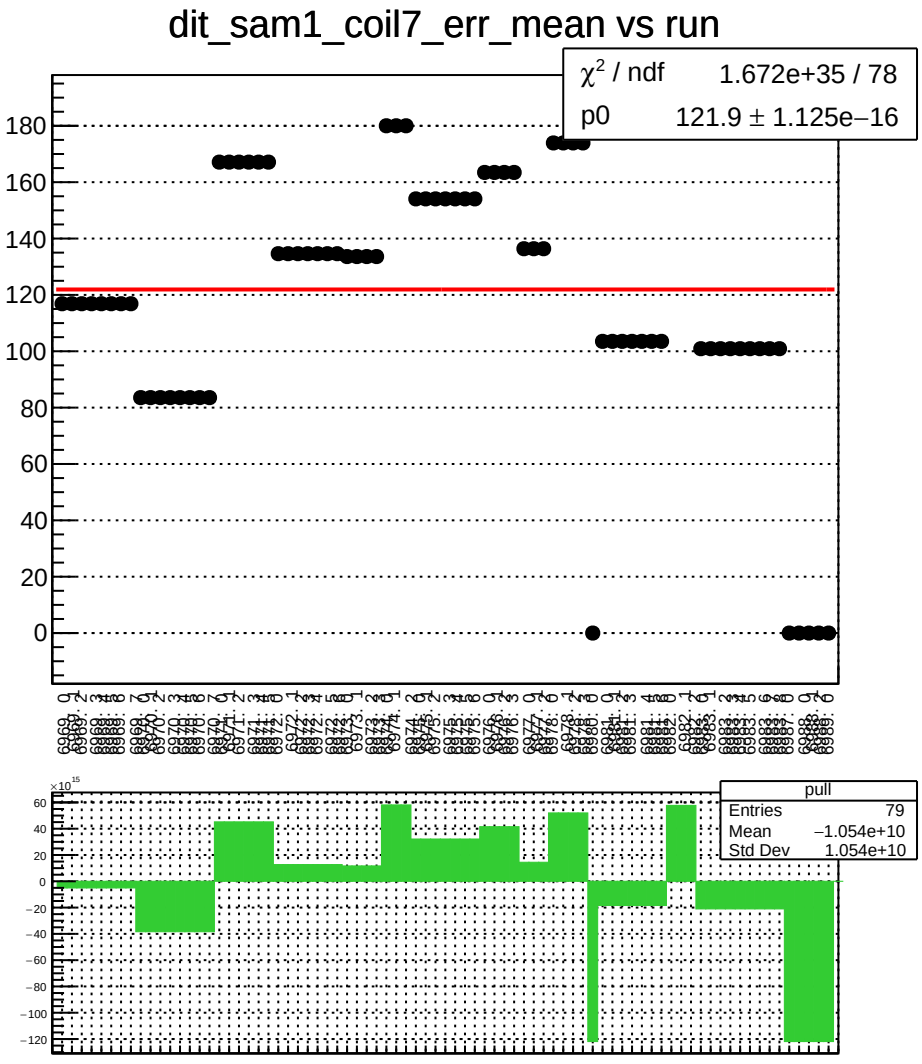

pull1D
Entries 79
Mean 0
Std Dev 0

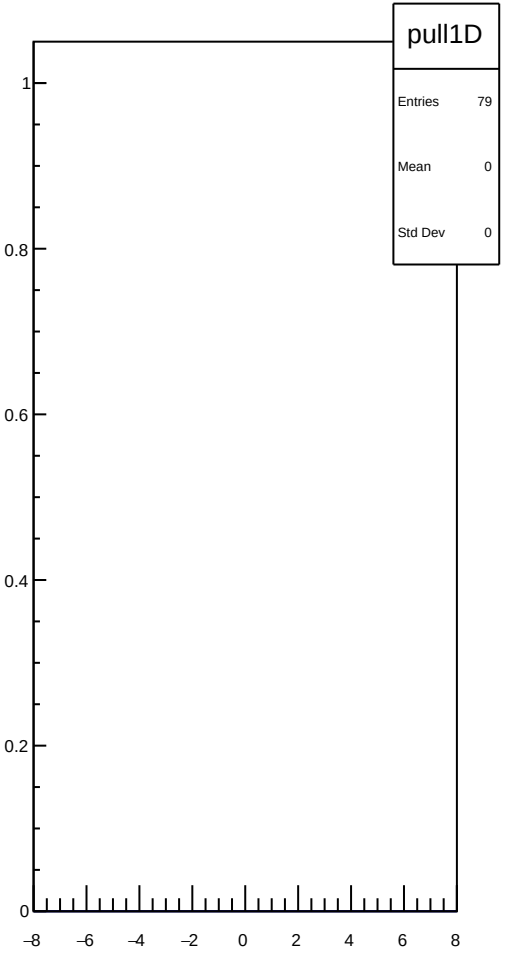
dit_atr2_coil7_Ndata_mean vs run



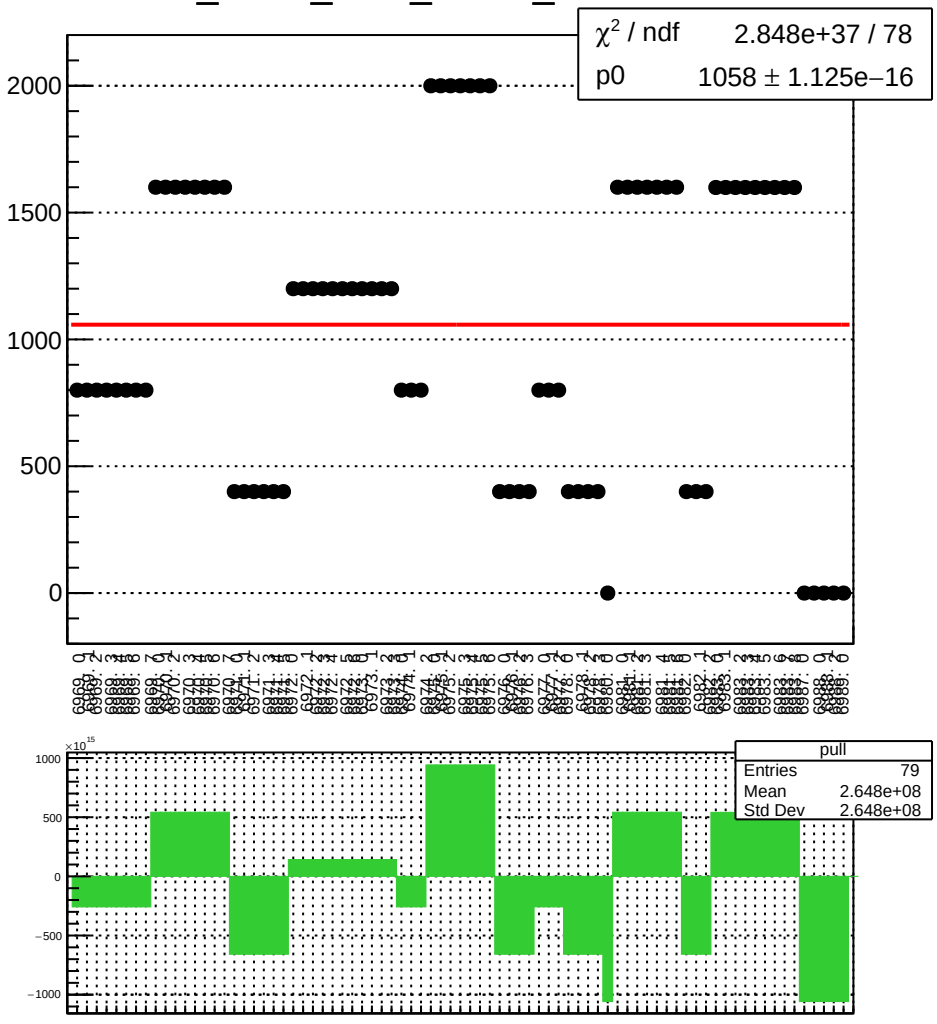


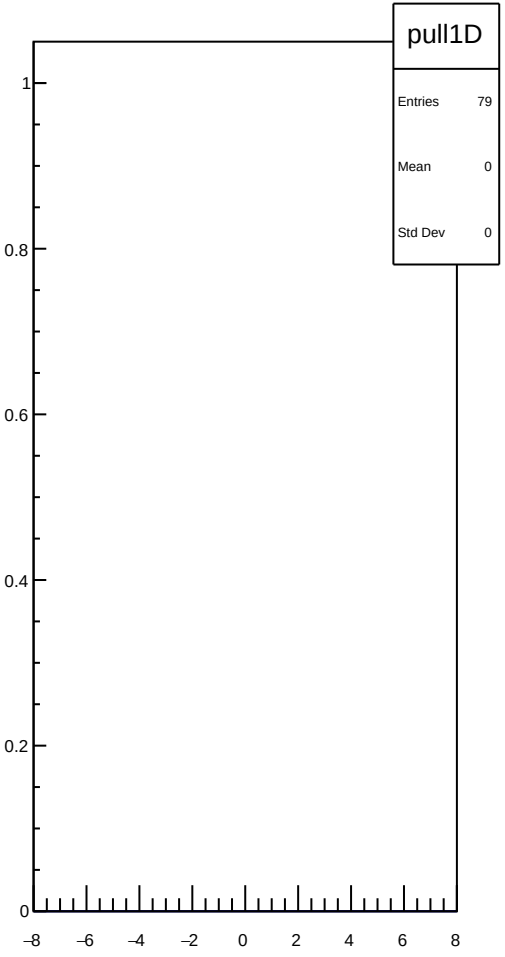

dit_sam1_coil7_mean vs run
χ² / ndf 2.608e+35 / 78
p0 −92.02 ± 1.125e−16
pull
Entries 79
Mean −9.643e+08
Std Dev 9.643e+08
pull1D
Entries 79
Mean 0
Std Dev 0


dit_sam1_coil7_err_mean vs run
χ² / ndf 1.672e+35 / 78
p0 121.9 ± 1.125e−16
pull
Entries 79
Mean −1.054e+10
Std Dev 1.054e+10

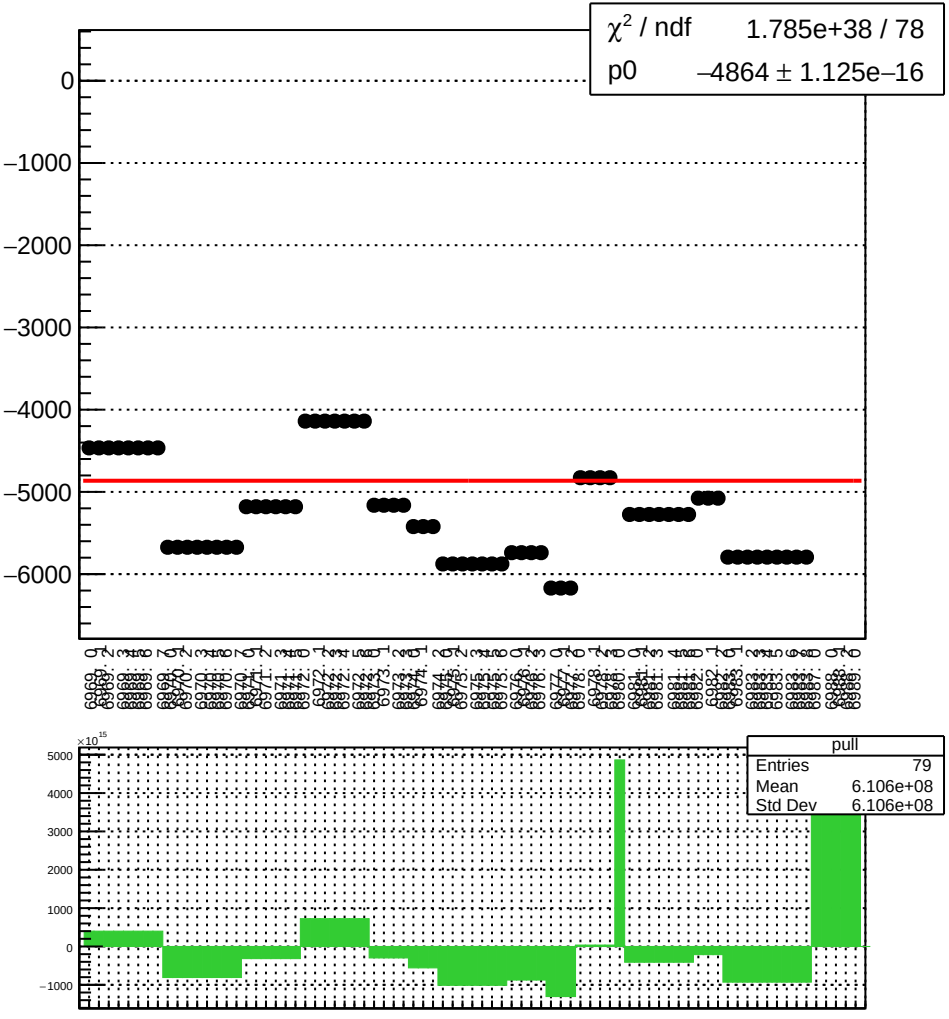

pull1D
Entries 79
Mean 0
Std Dev 0

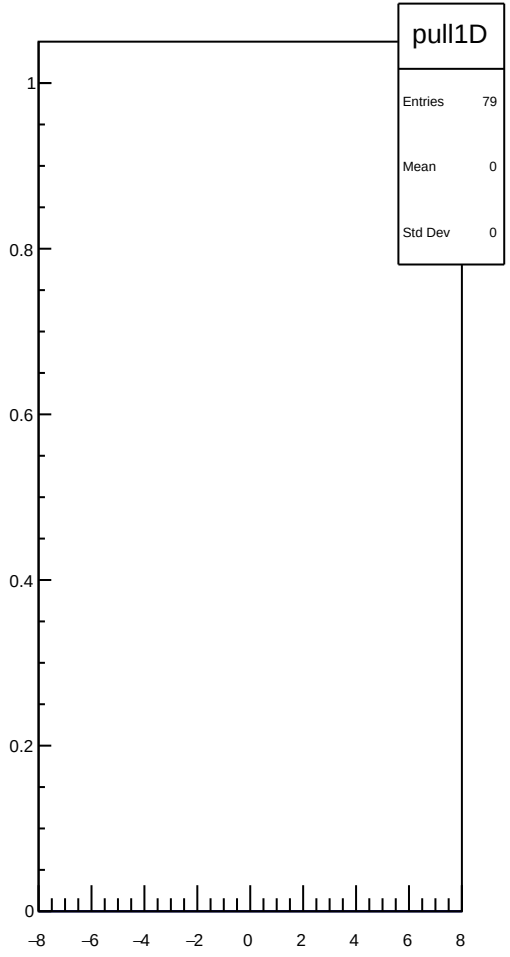
dit_sam1_coil7_Ndata_mean vs run

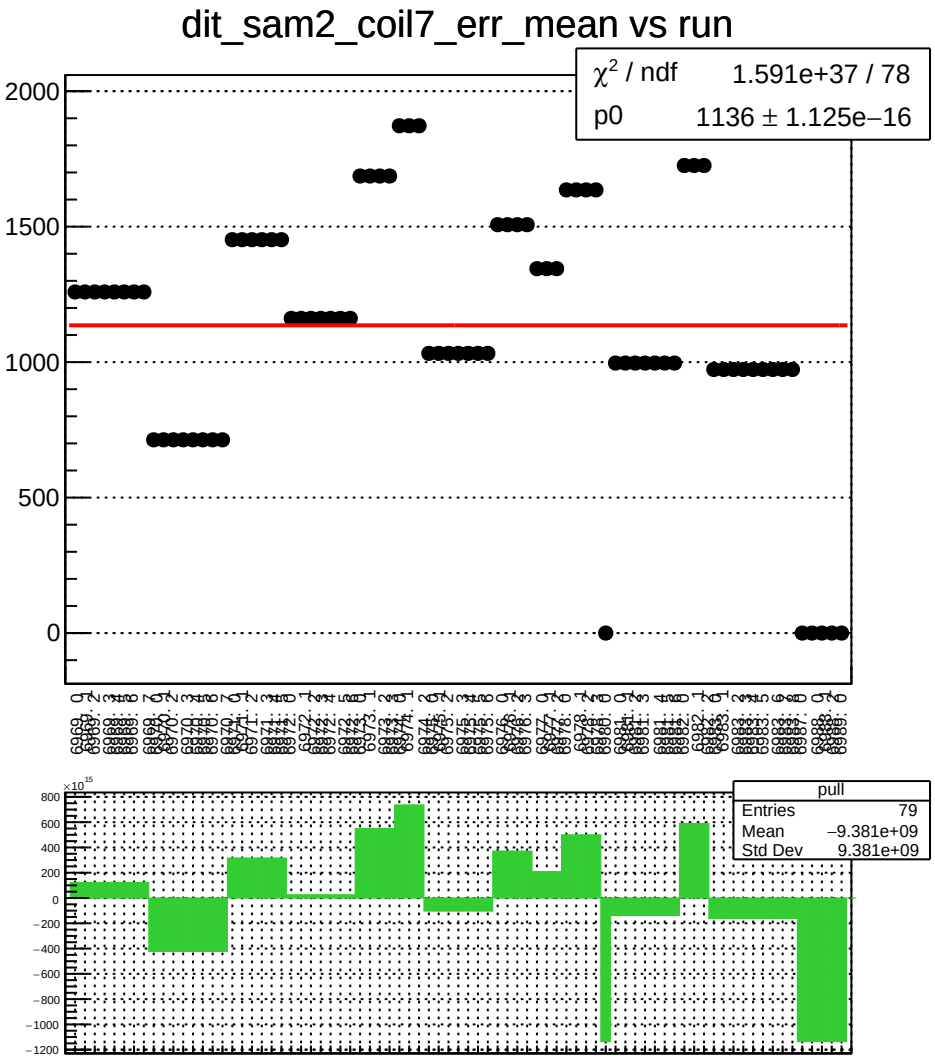


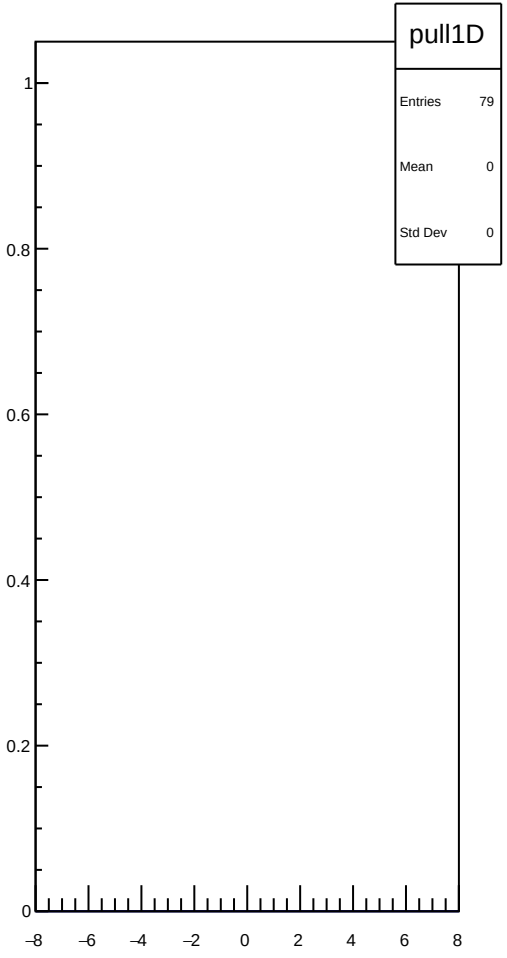


dit_sam2_coil7_mean vs run

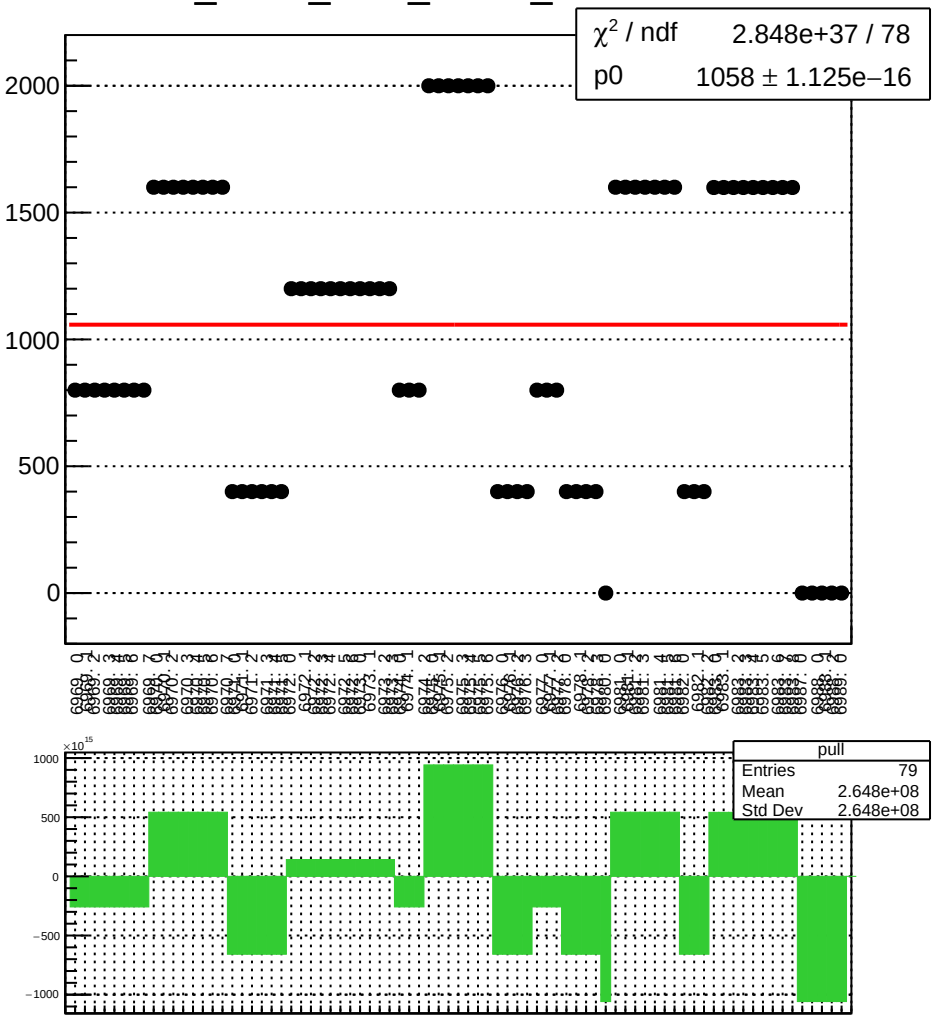


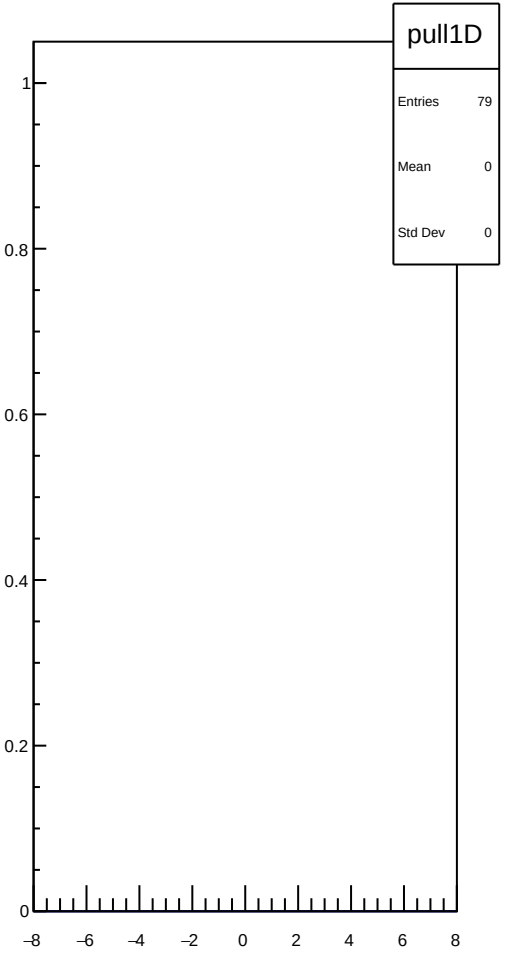


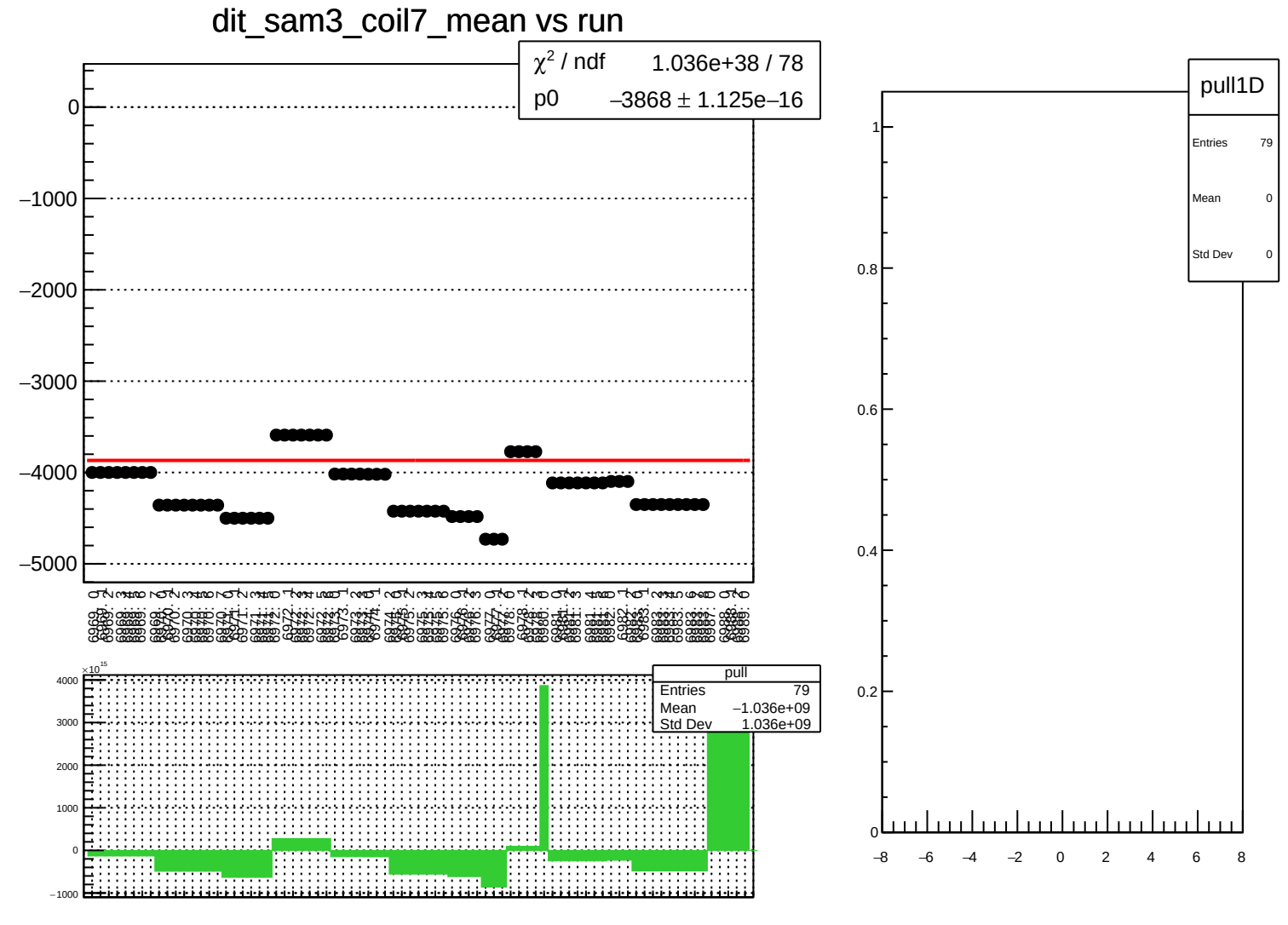

dit_sam2_coil7_err_mean vs run
χ^2 / ndf 1.591e+37 / 78
p0 1136 ± 1.125e−16
2000
1500
1000
500
0
pull
Entries 79
Mean −9.381e+09
Std Dev 9.381e+09
$\times 10^{15}$
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

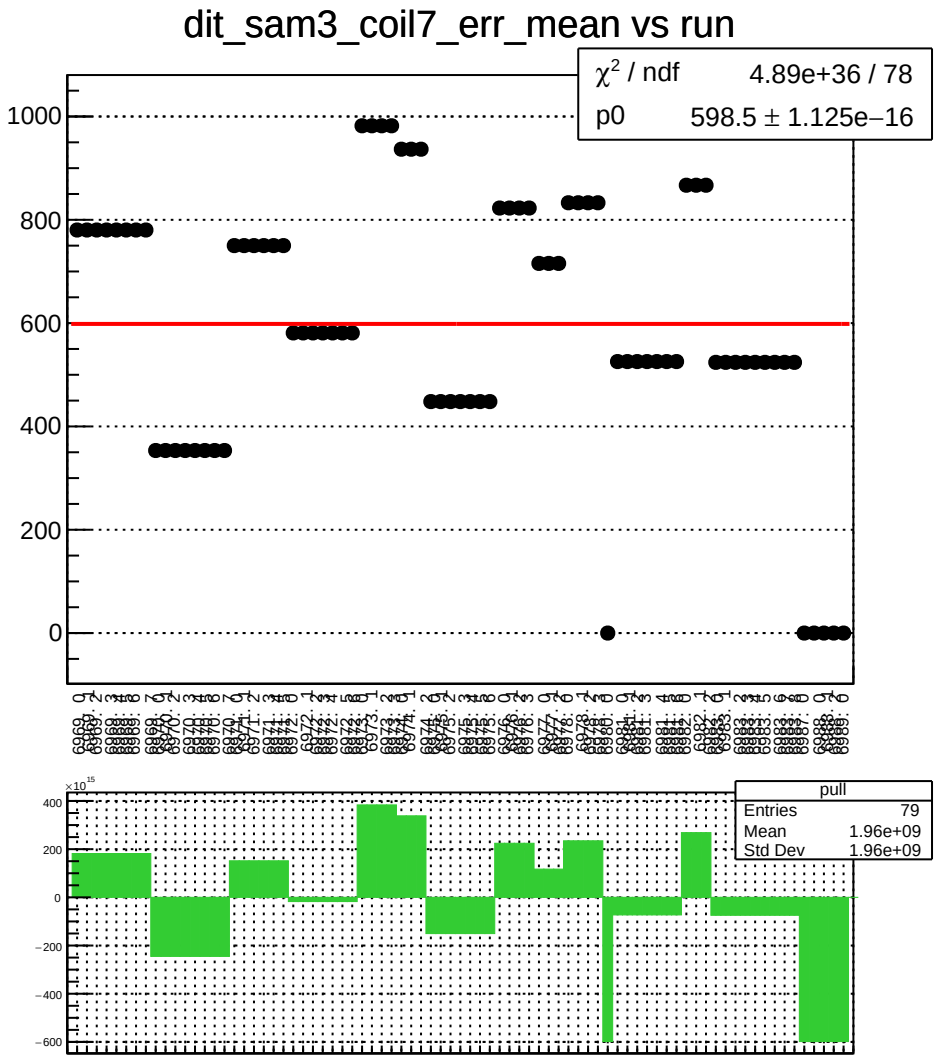

pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

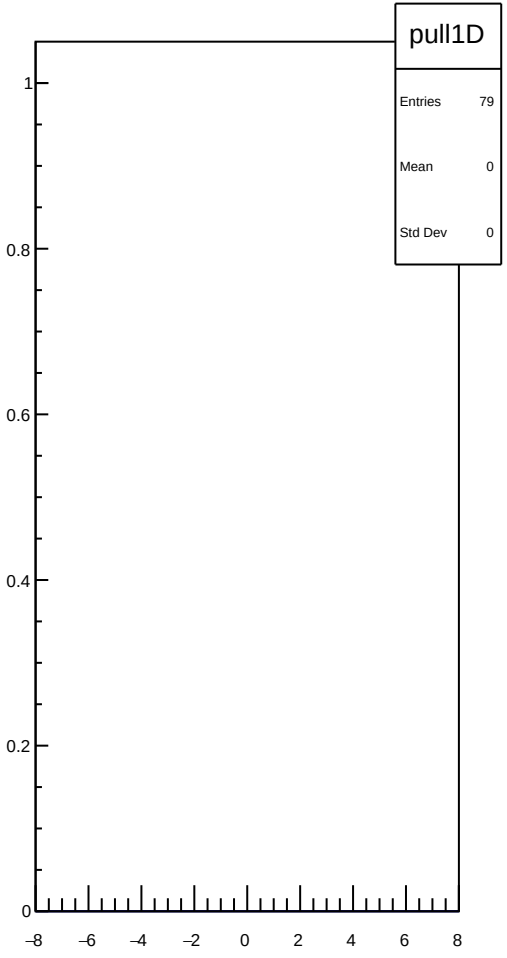
dit_sam2_coil7_Ndata_mean vs run



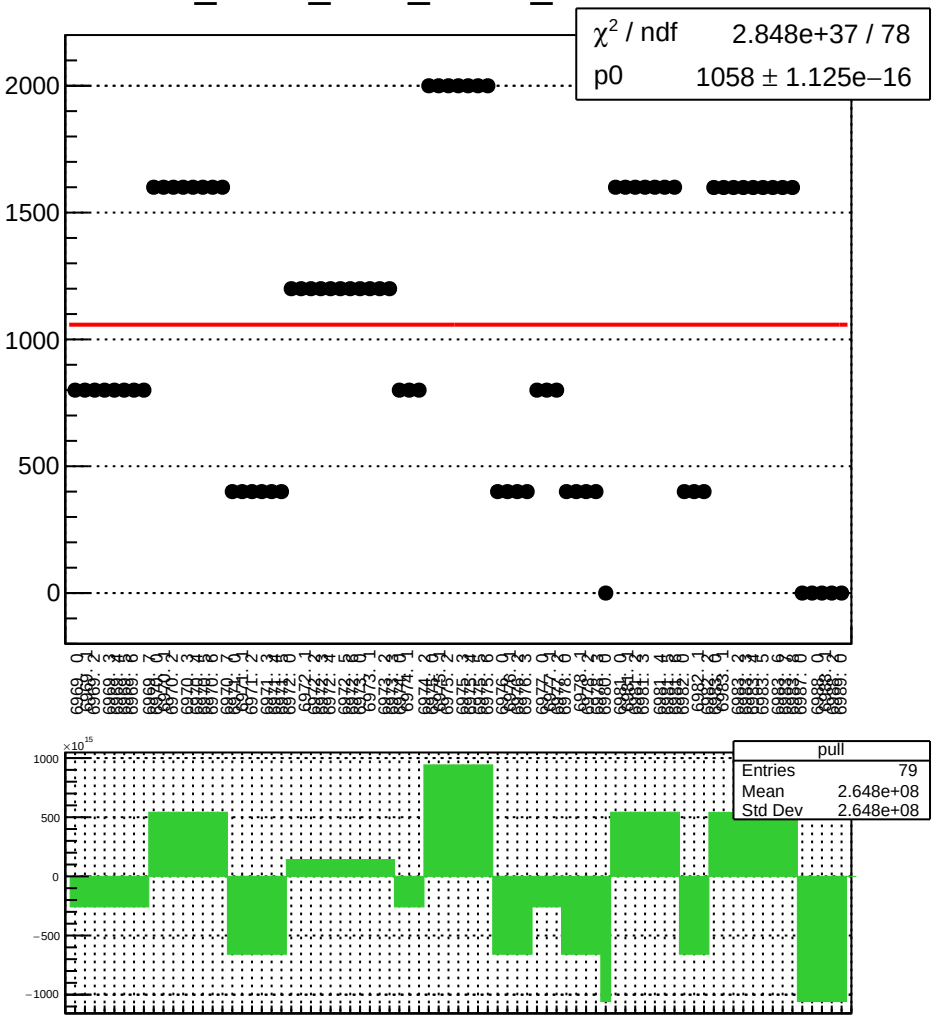


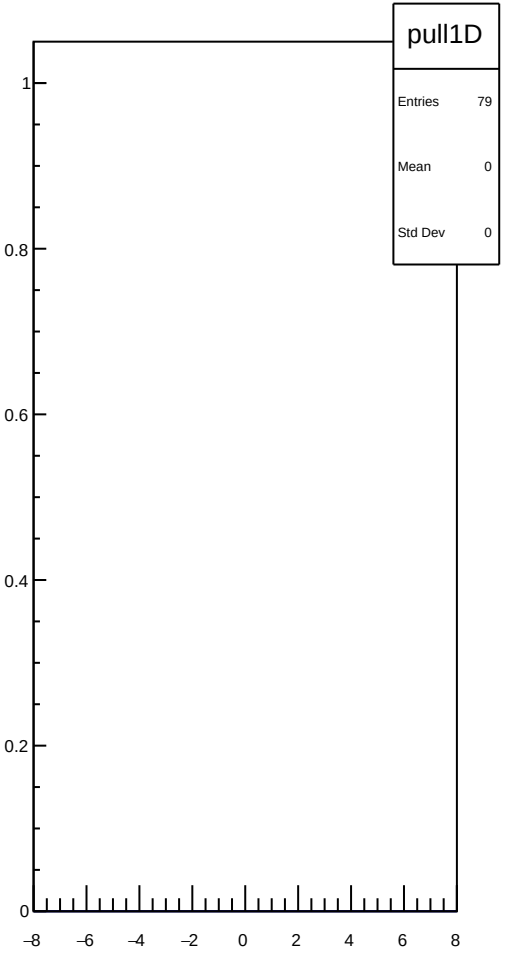

dit_sam3_coil7_mean vs run
χ² / ndf 1.036e+38 / 78
p0 −3868 ± 1.125e−16
0
−1000
−2000
−3000
−4000
−5000
pull
Entries 79
Mean −1.036e+09
Std Dev 1.036e+09
×10¹⁵
4000
3000
2000
1000
0
−1000
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

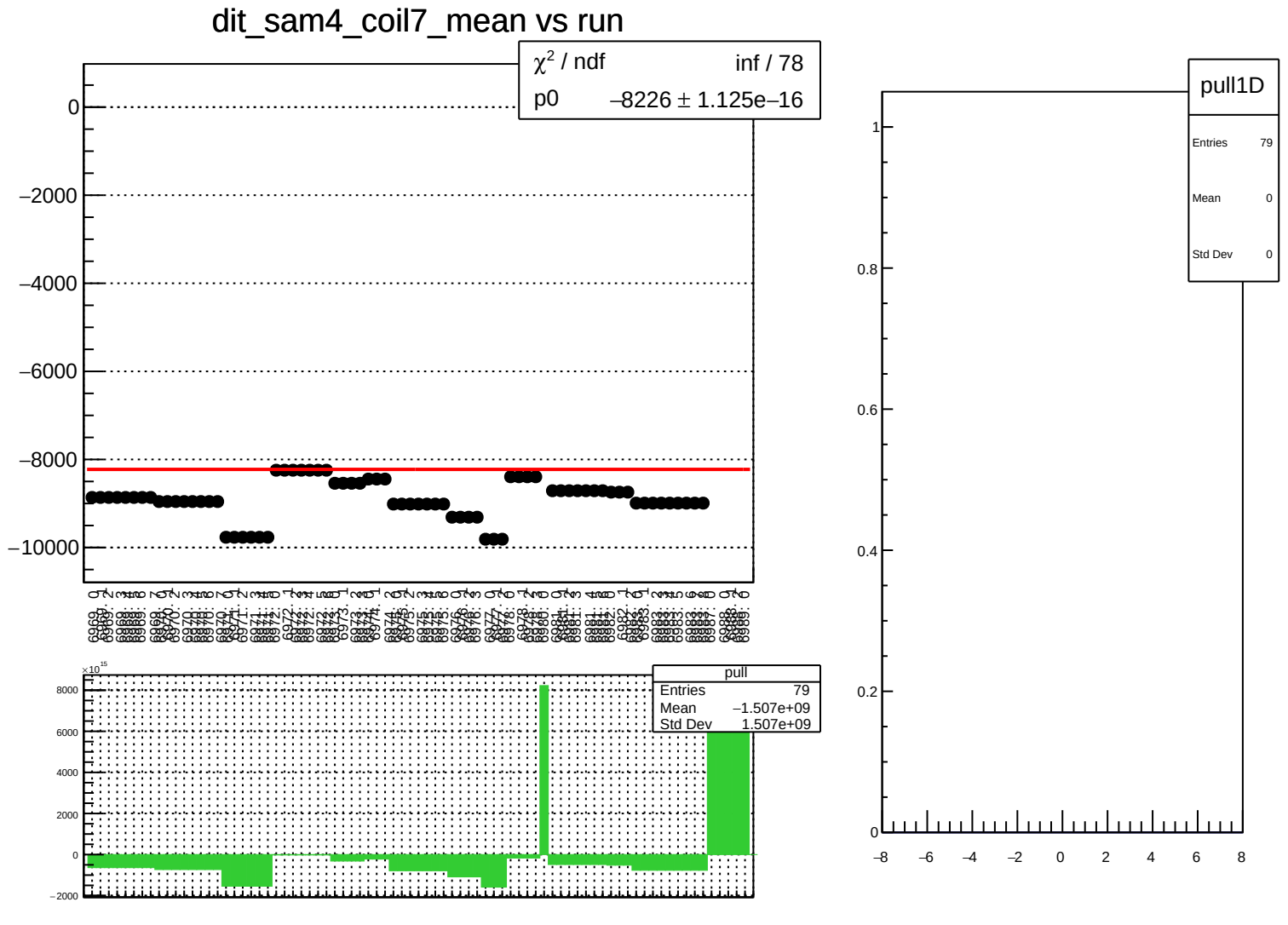

dit_sam3_coil7_err_mean vs run
χ² / ndf 4.89e+36 / 78
p0 598.5 ± 1.125e−16
1000
800
600
400
200
0
pull
Entries 79
Mean 1.96e+09
Std Dev 1.96e+09
400
200
0
−200
−400
−600

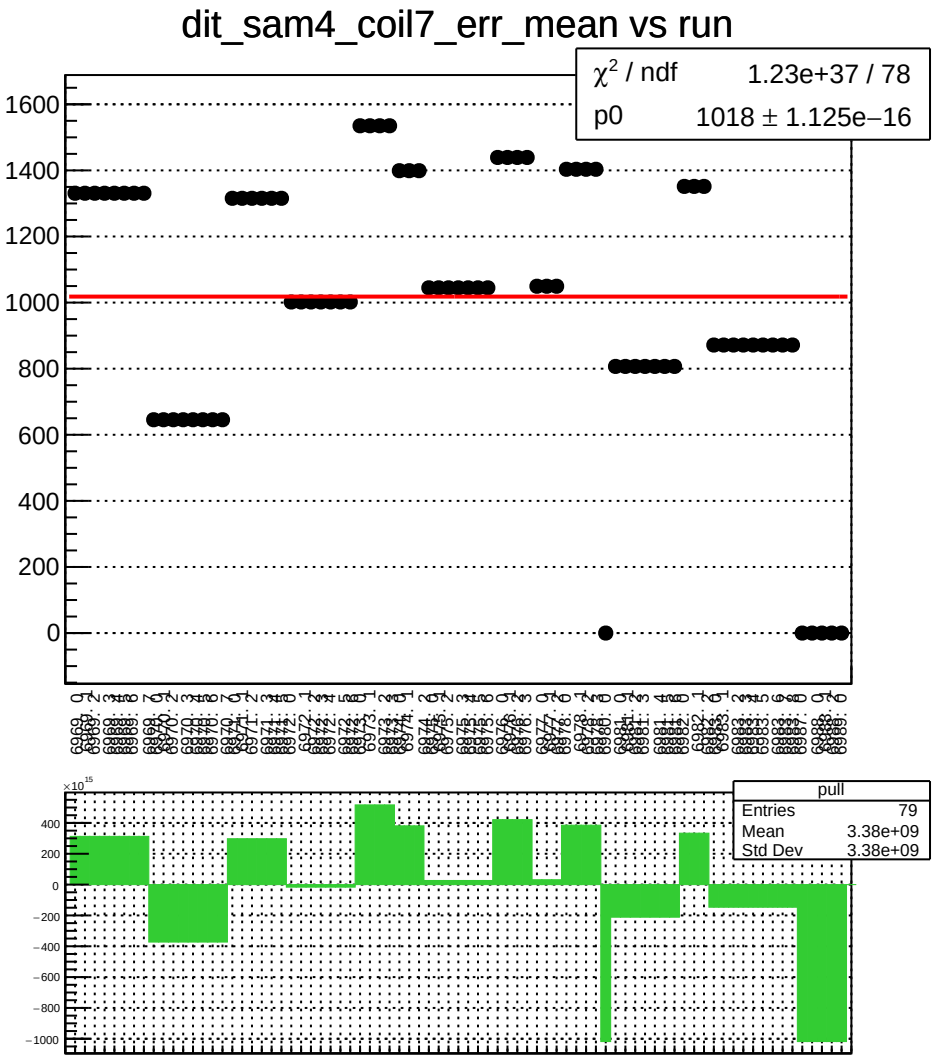

pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

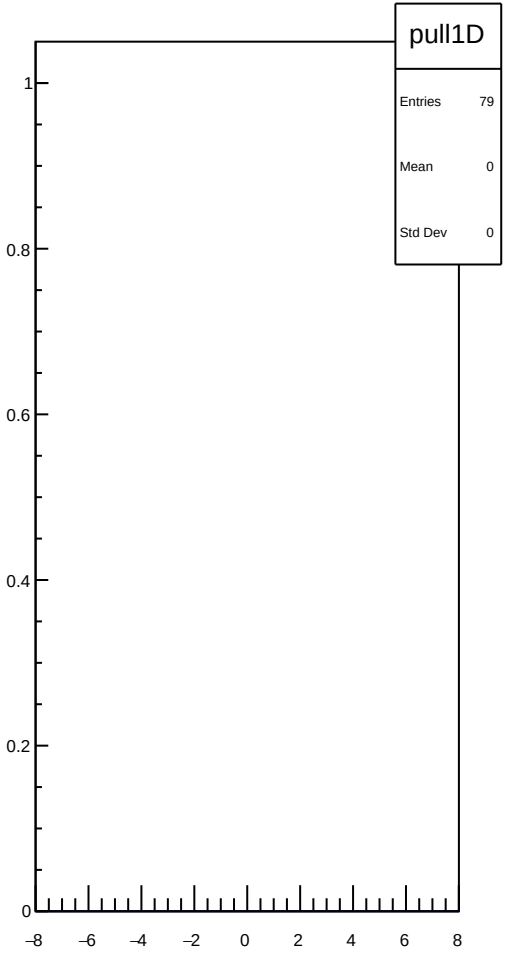
dit_sam3_coil7_Ndata_mean vs run

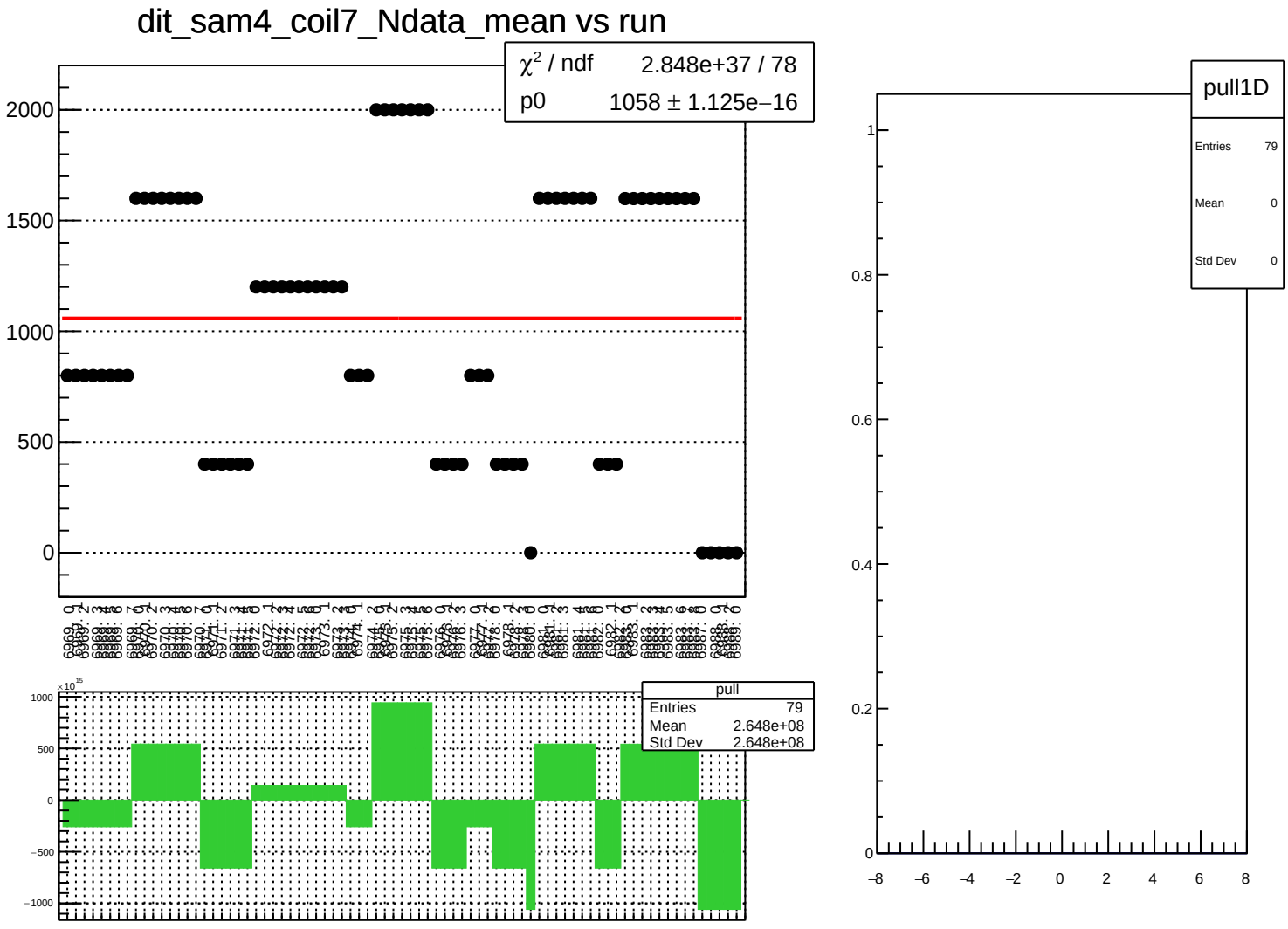


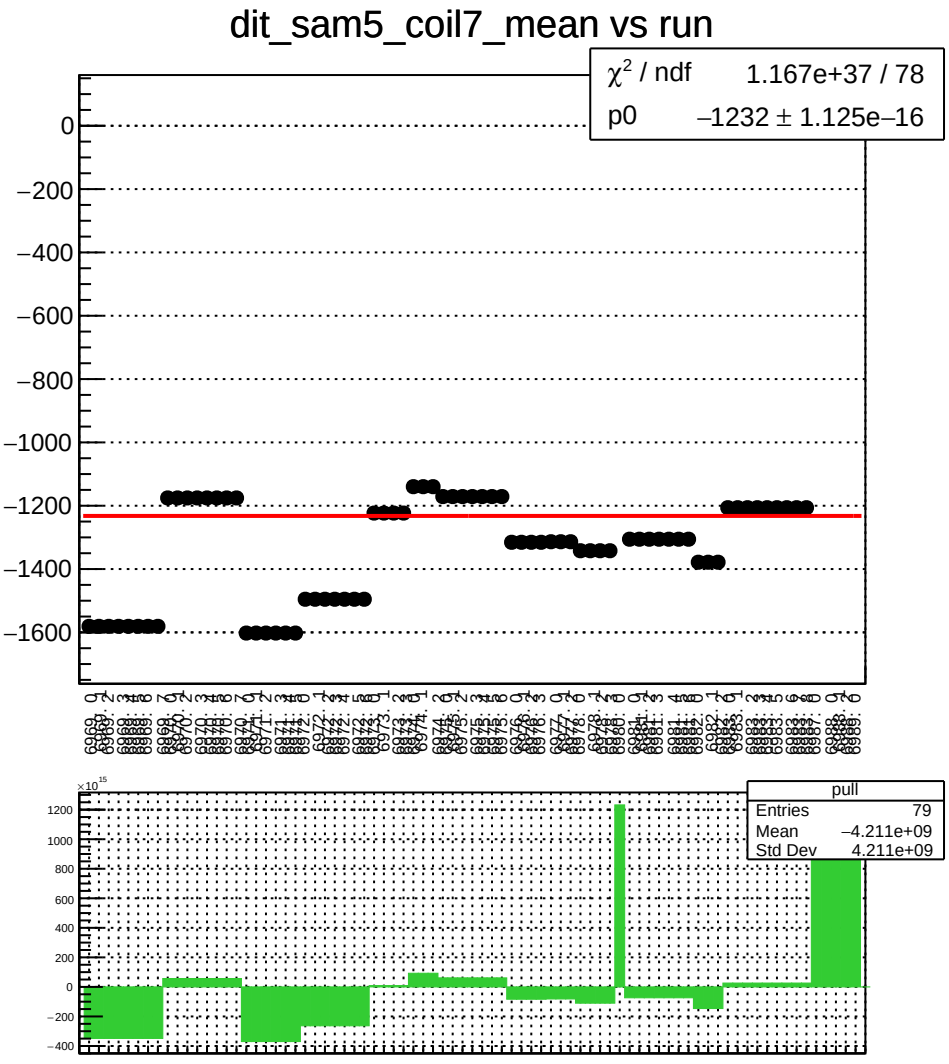


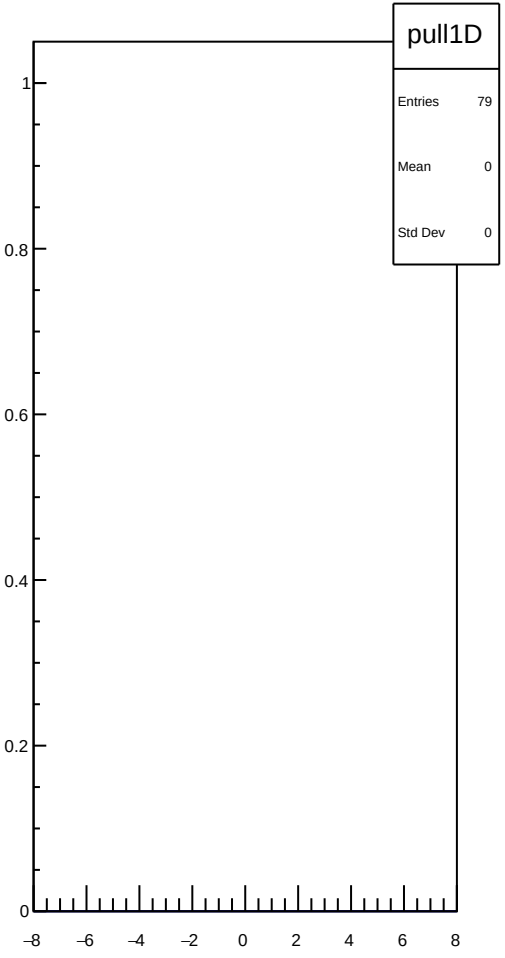

dit_sam4_coil7_mean vs run
χ² / ndf inf / 78
p0 −8226 ± 1.125e−16
0
−2000
−4000
−6000
−8000
−10000
pull
Entries 79
Mean −1.507e+09
Std Dev 1.507e+09
×10^15
8000
6000
4000
2000
0
−2000
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

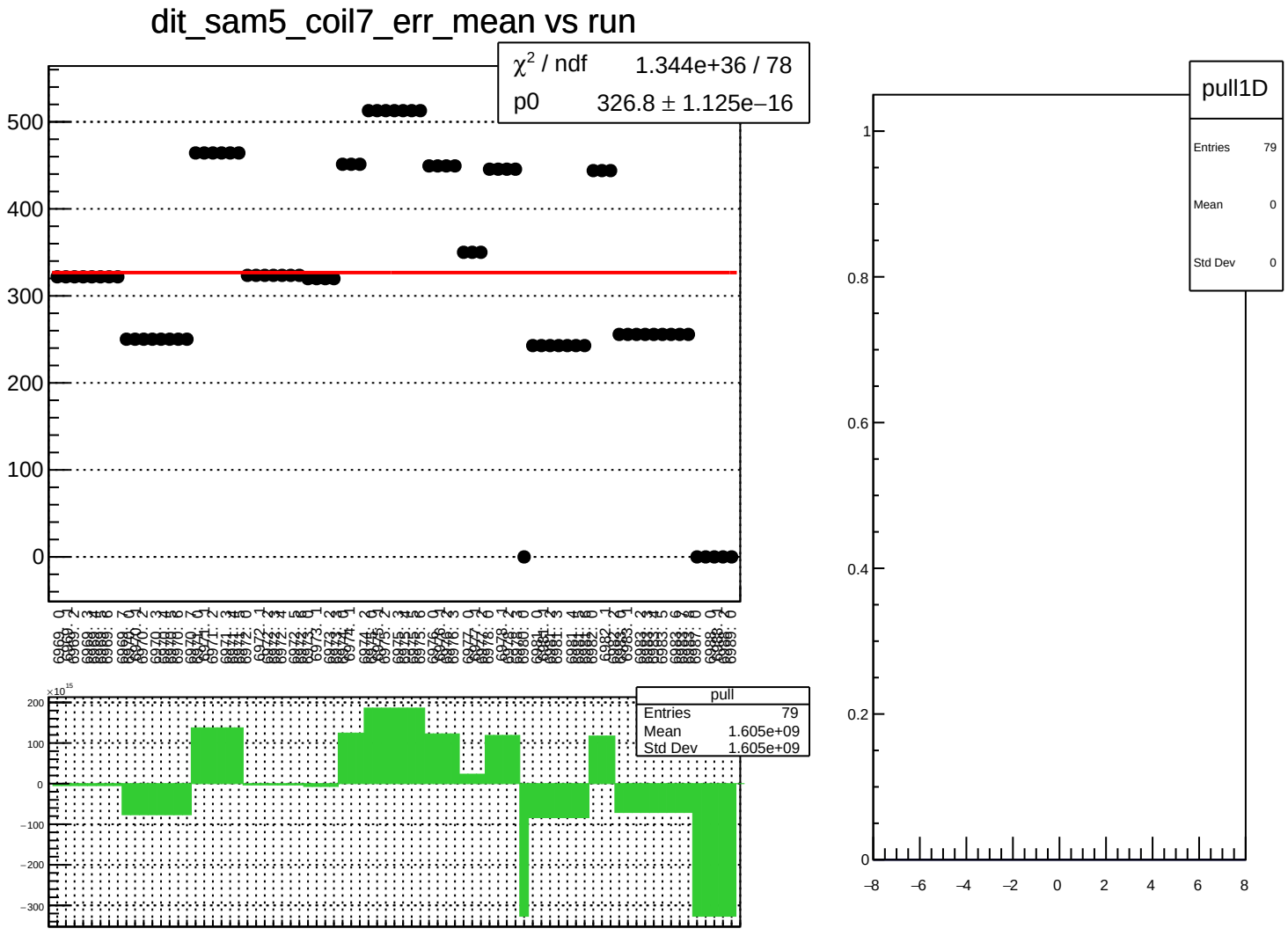

dit_sam4_coil7_err_mean vs run
χ² / ndf 1.23e+37 / 78
p0 1018 ± 1.125e−16
pull
Entries 79
Mean 3.38e+09
Std Dev 3.38e+09

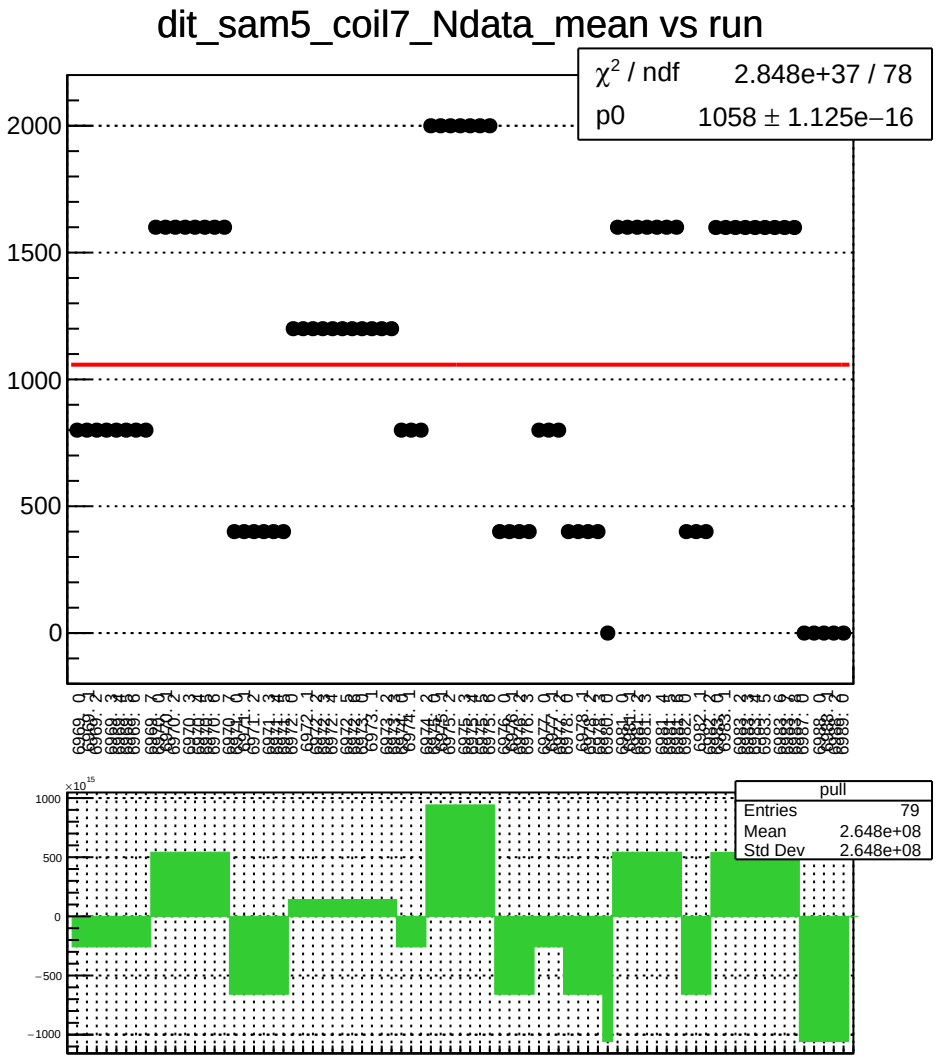

pull1D
Entries 79
Mean 0
Std Dev 0

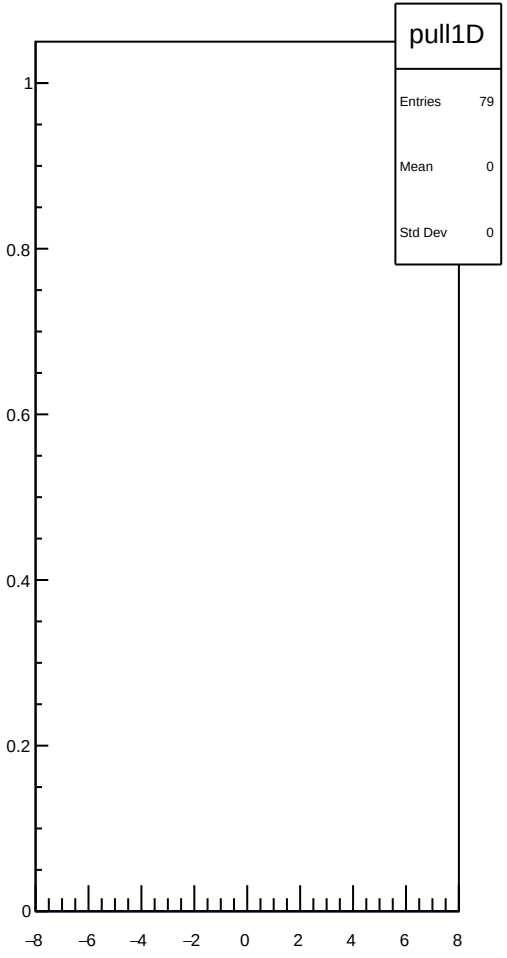

dit_sam4_coil7_Ndata_mean vs run
χ² / ndf 2.848e+37 / 78
p0 1058 ± 1.125e−16
2000
1500
1000
500
0
pull
Entries 79
Mean 2.648e+08
Std Dev 2.648e+08
1000
500
0
−500
−1000
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

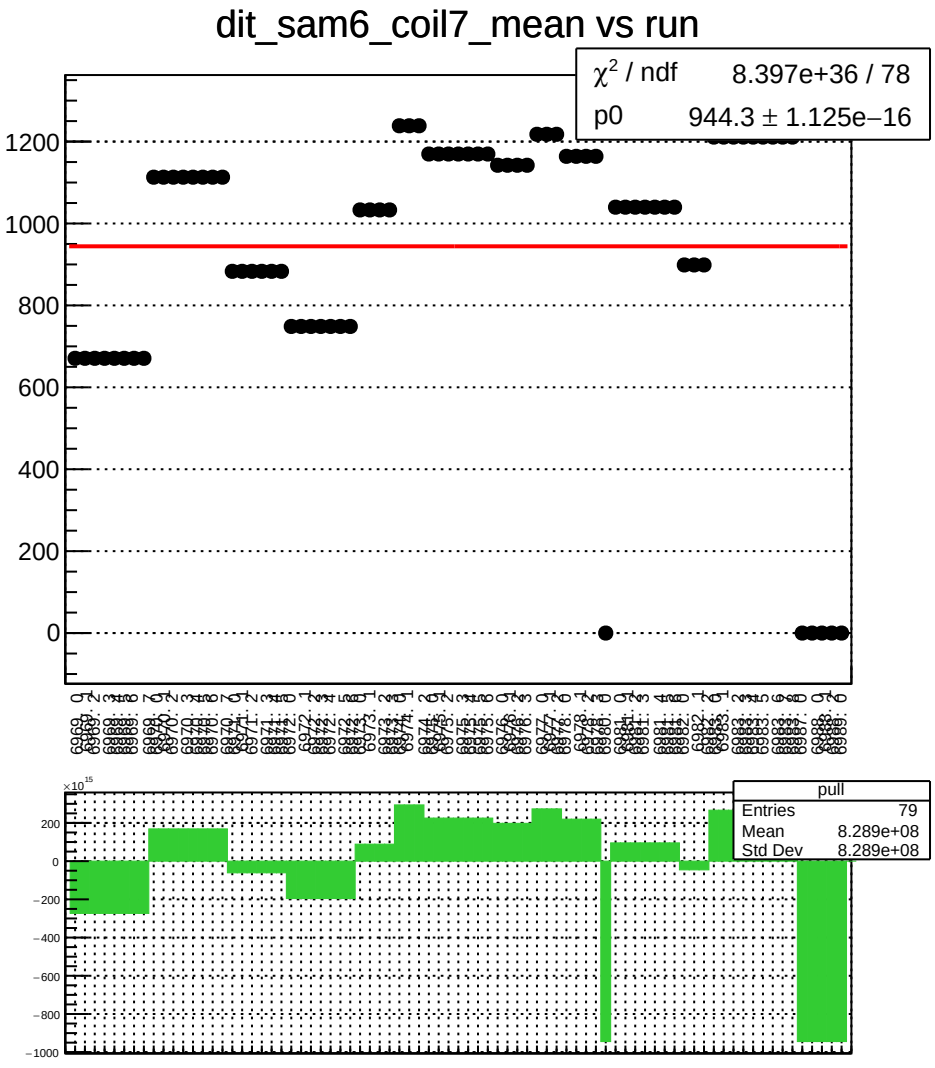

dit_sam5_coil7_mean vs run
χ^2 / ndf 1.167e+37 / 78
p0 −1232 ± 1.125e−16
pull
Entries 79
Mean −4.211e+09
Std Dev 4.211e+09

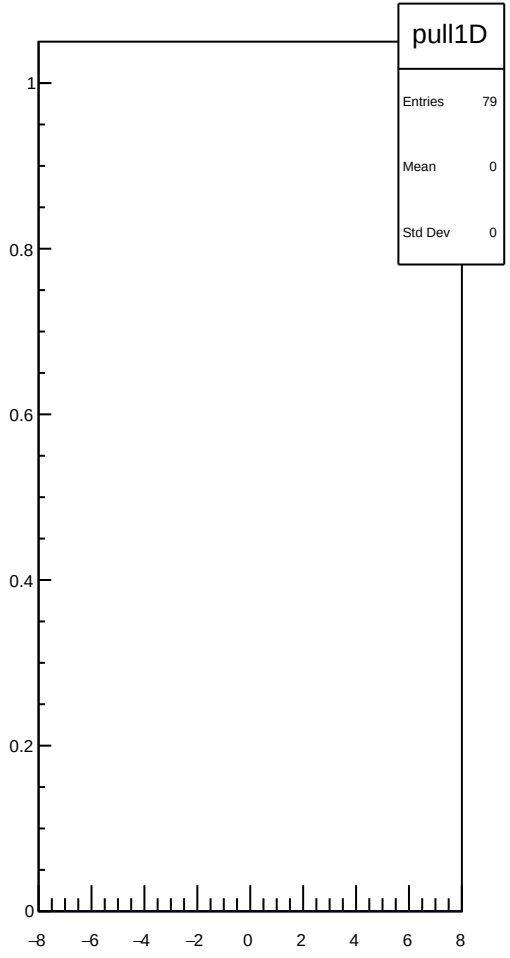

pull1D
Entries 79
Mean 0
Std Dev 0

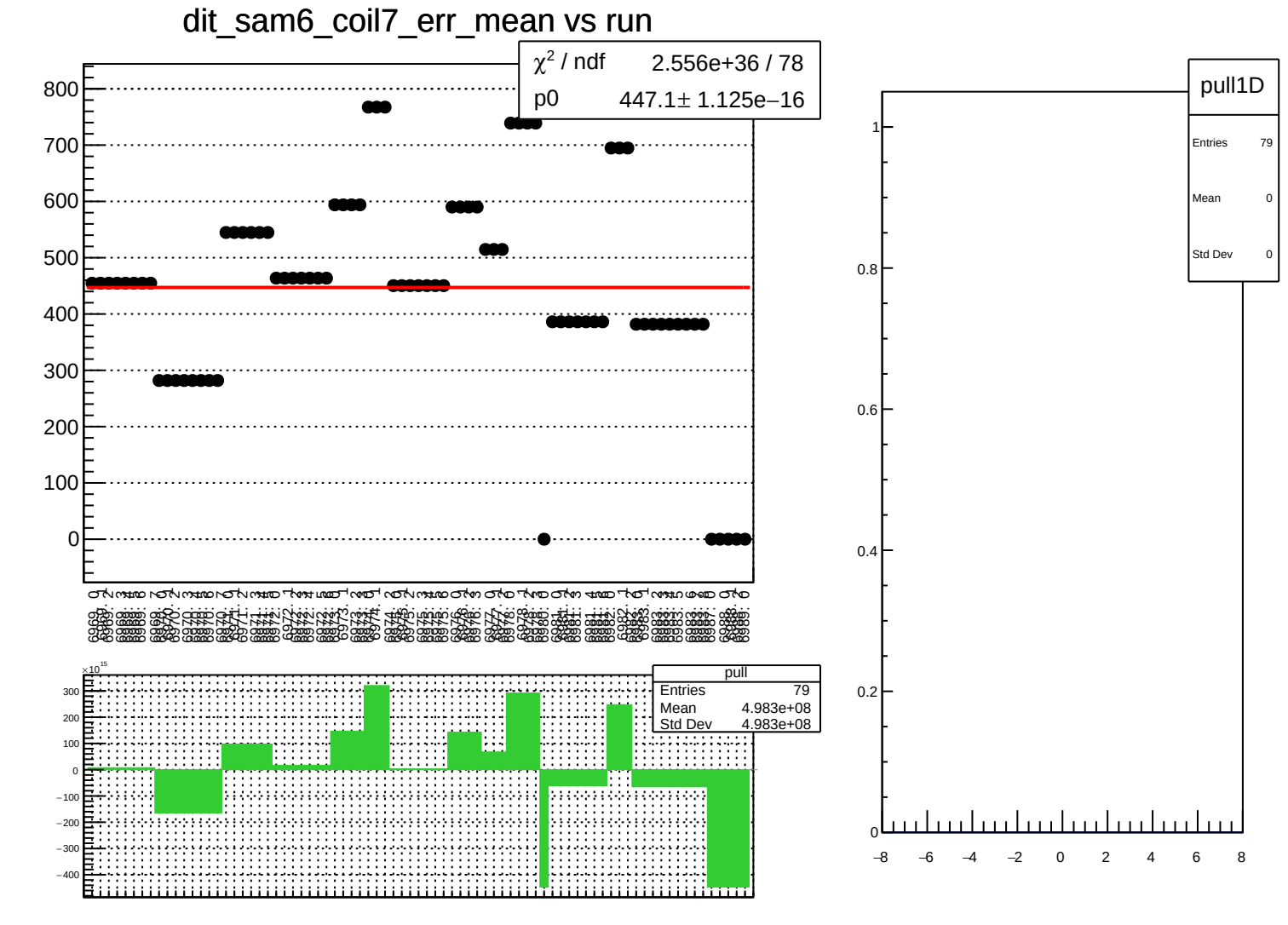

dit_sam5_coil7_err_mean vs run
χ² / ndf 1.344e+36 / 78
p0 326.8 ± 1.125e−16
pull
Entries 79
Mean 1.605e+09
Std Dev 1.605e+09
pull1D
Entries 79
Mean 0
Std Dev 0


dit_sam5_coil7_Ndata_mean vs run
χ² / ndf 2.848e+37 / 78
p0 1058 ± 1.125e−16
2000
1500
1000
500
0
pull
Entries 79
Mean 2.648e+08
Std Dev 2.648e+08
1000
500
0
−500
−1000

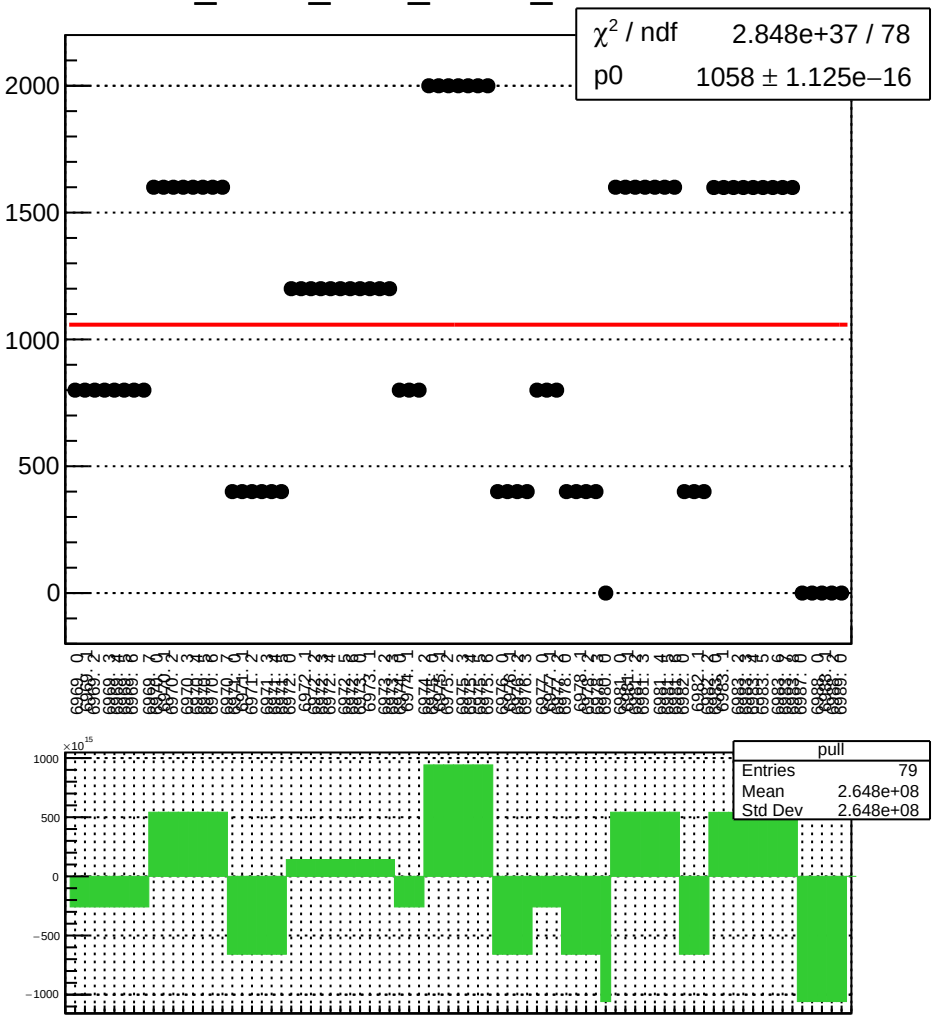

pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

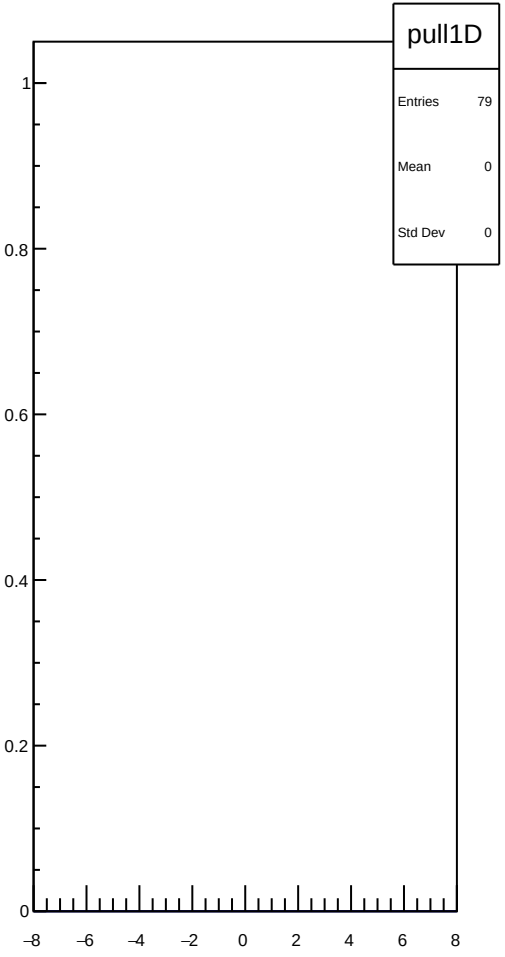

dit_sam6_coil7_mean vs run
χ² / ndf 8.397e+36 / 78
p0 944.3 ± 1.125e−16
pull
Entries 79
Mean 8.289e+08
Std Dev 8.289e+08

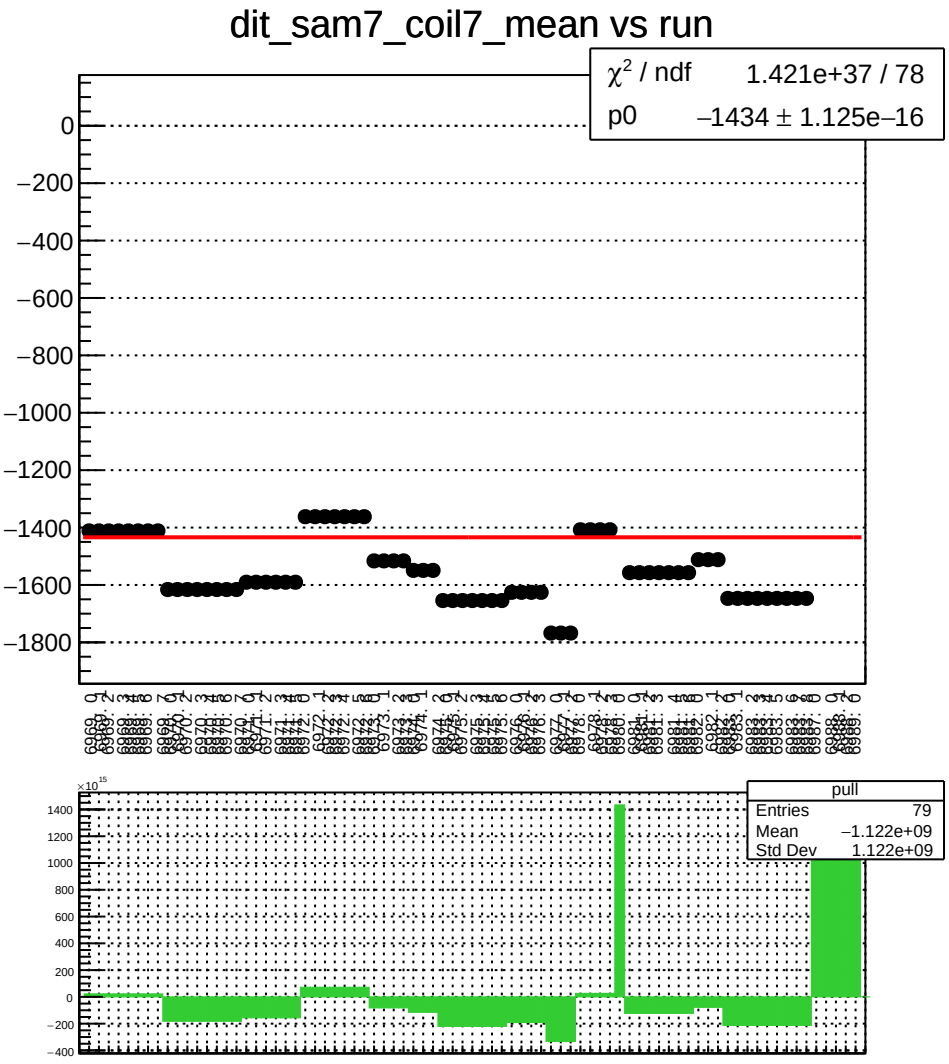

pull1D
Entries 79
Mean 0
Std Dev 0

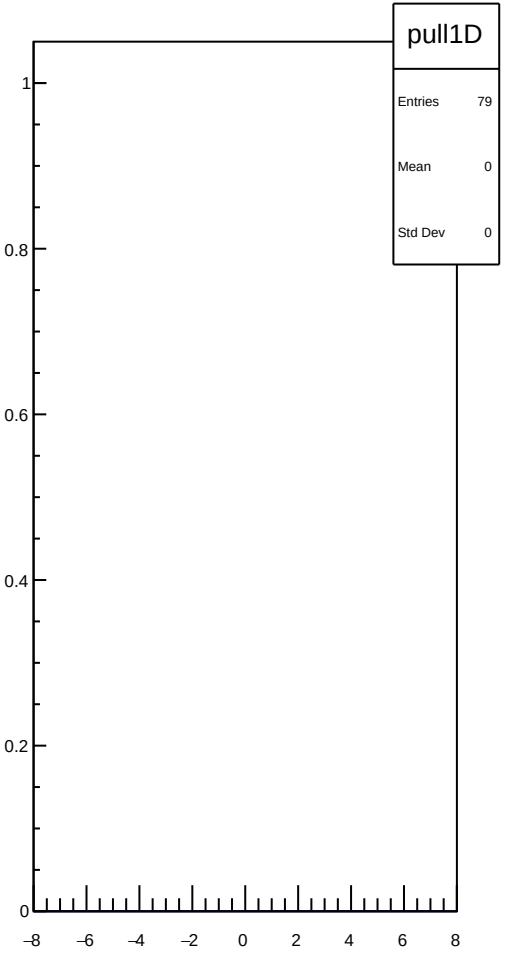

dit_sam6_coil7_err_mean vs run
χ² / ndf 2.556e+36 / 78
p0 447.1± 1.125e−16
pull
Entries 79
Mean 4.983e+08
Std Dev 4.983e+08
pull1D
Entries 79
Mean 0
Std Dev 0

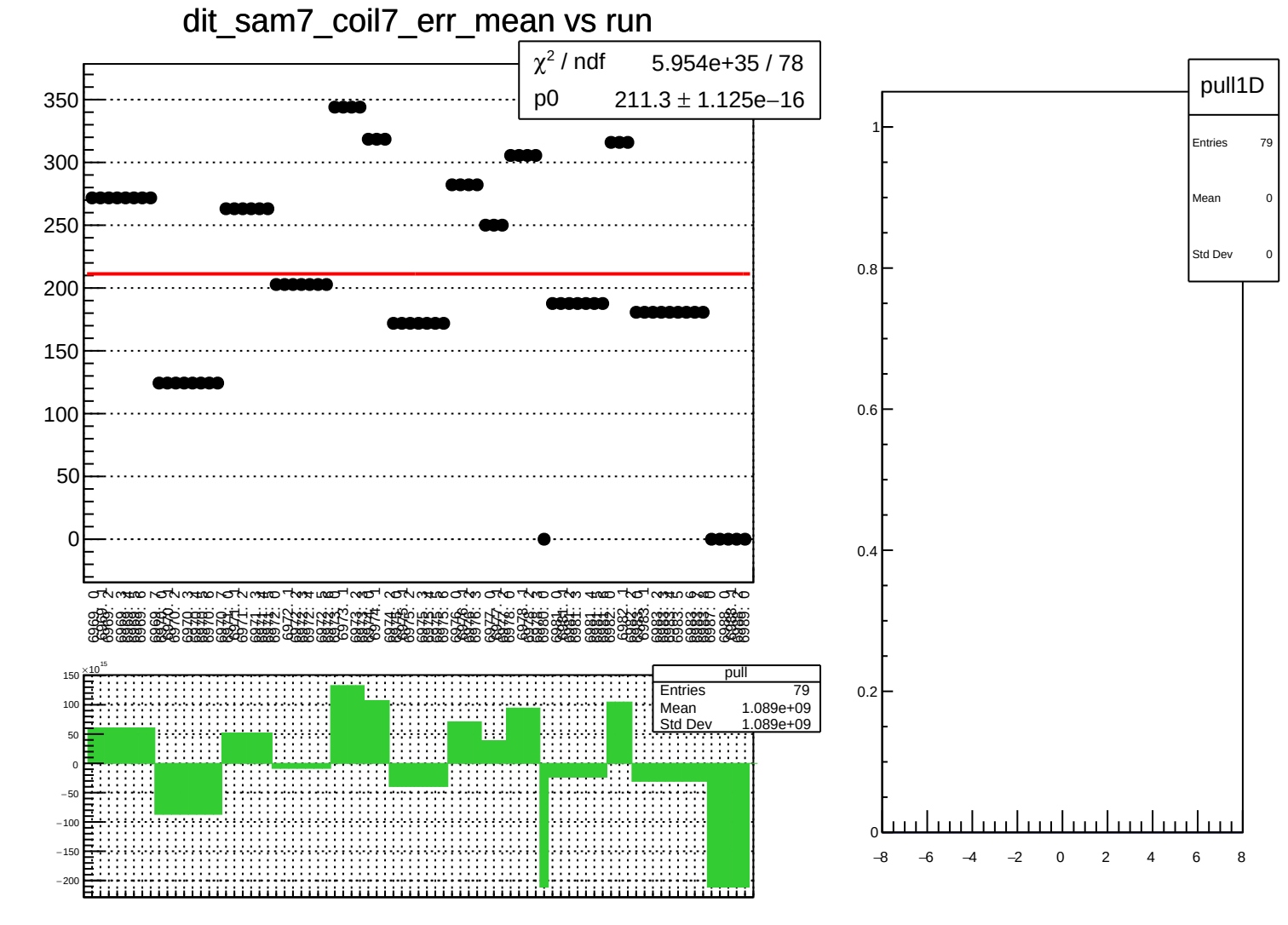
dit_sam6_coil7_Ndata_mean vs run



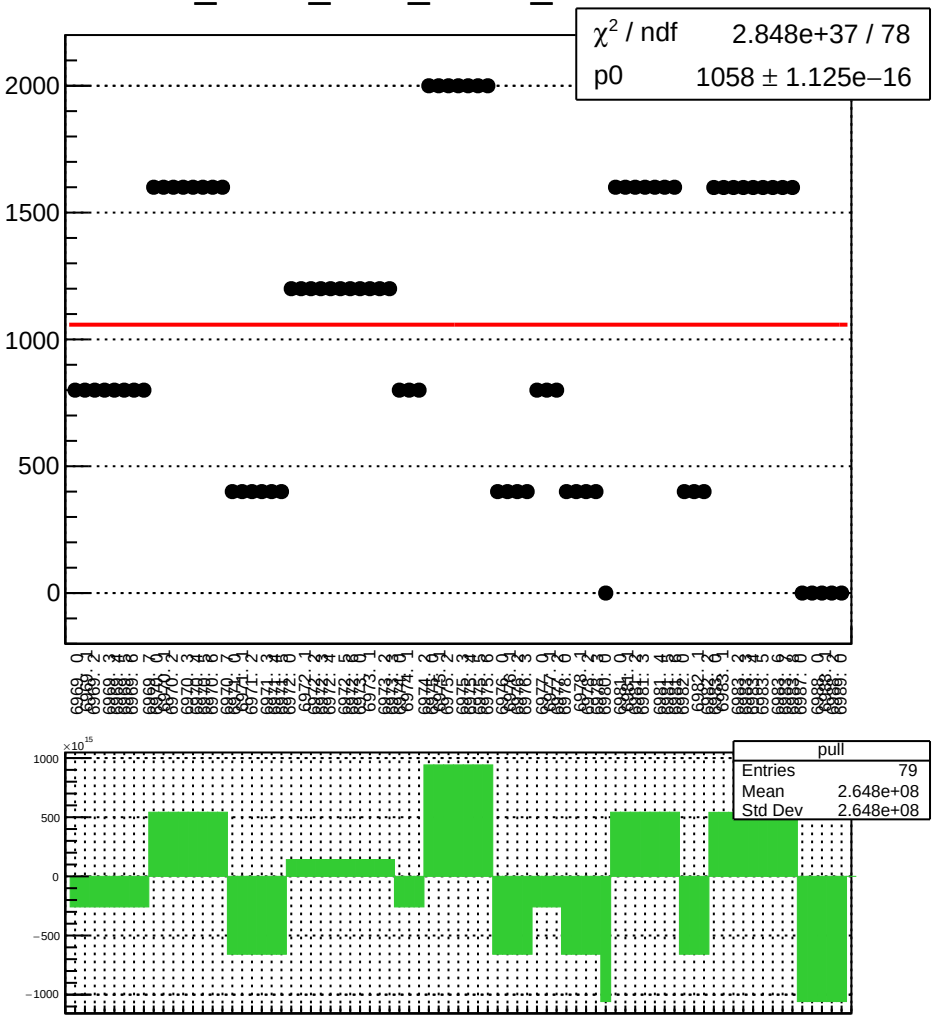


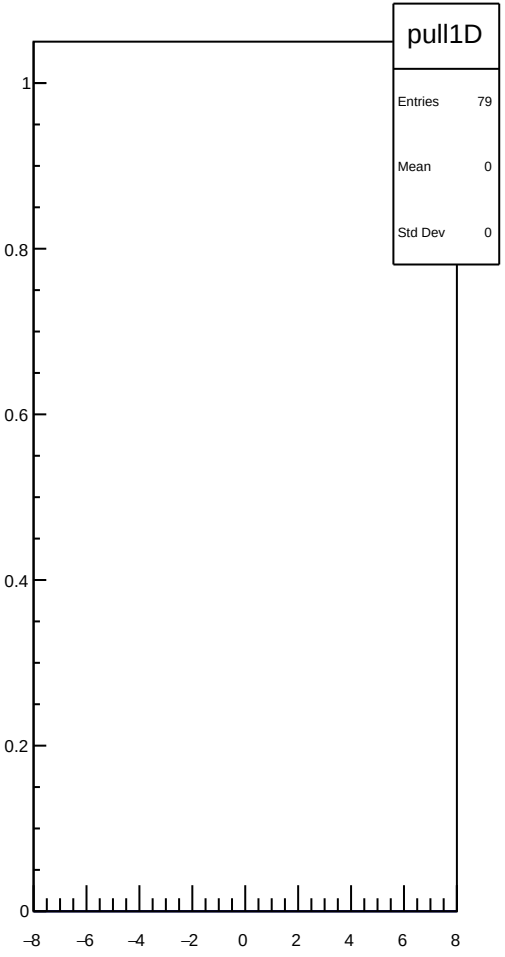

dit_sam7_coil7_mean vs run
χ² / ndf 1.421e+37 / 78
p0 −1434 ± 1.125e−16
pull
Entries 79
Mean −1.122e+09
Std Dev 1.122e+09

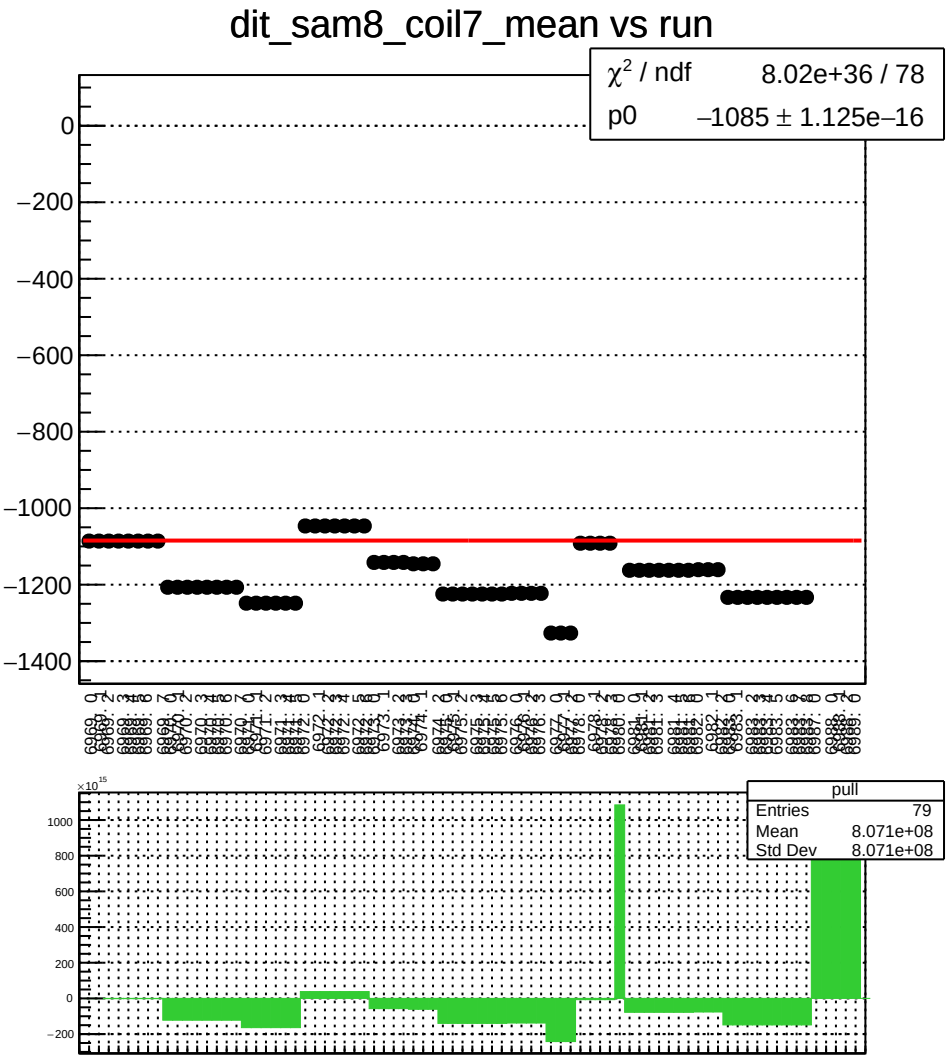

pull1D
Entries 79
Mean 0
Std Dev 0

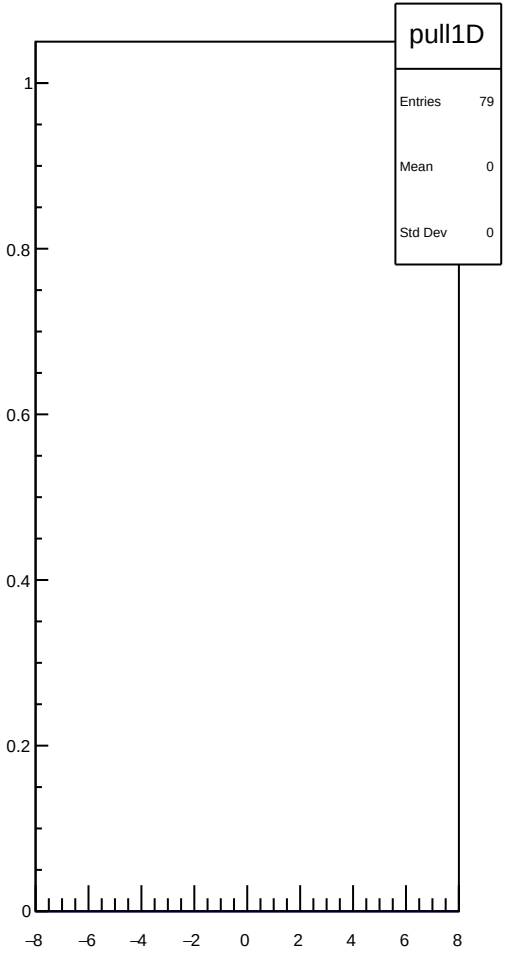

dit_sam7_coil7_err_mean vs run
χ² / ndf 5.954e+35 / 78
p0 211.3 ± 1.125e−16
pull
Entries 79
Mean 1.089e+09
Std Dev 1.089e+09
pull1D
Entries 79
Mean 0
Std Dev 0

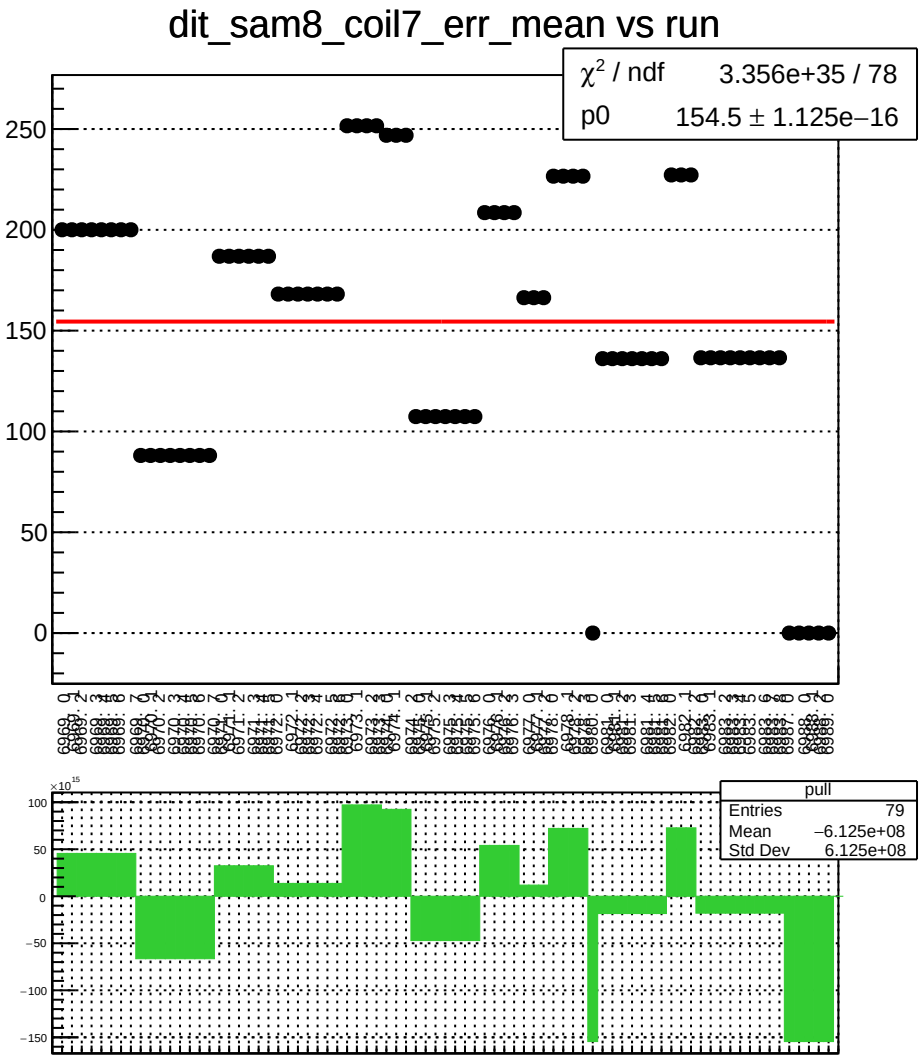
dit_sam7_coil7_Ndata_mean vs run

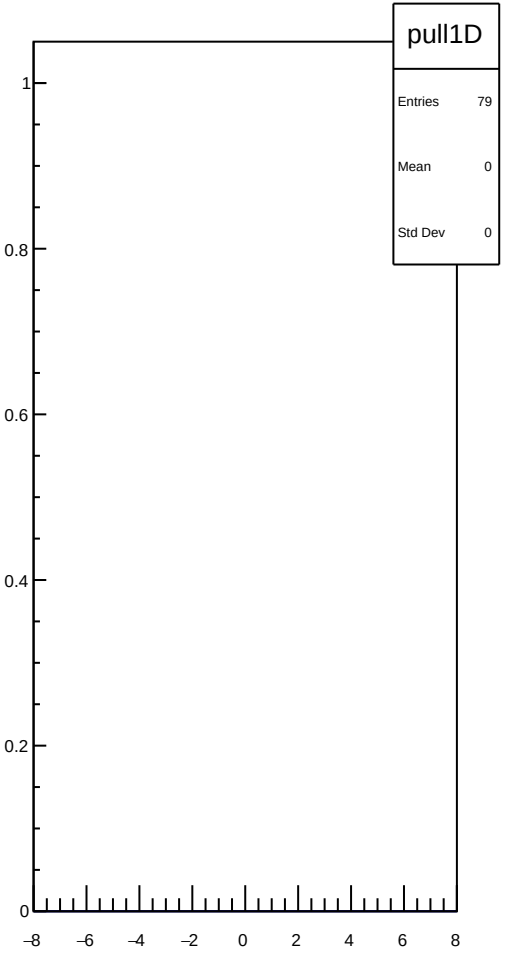


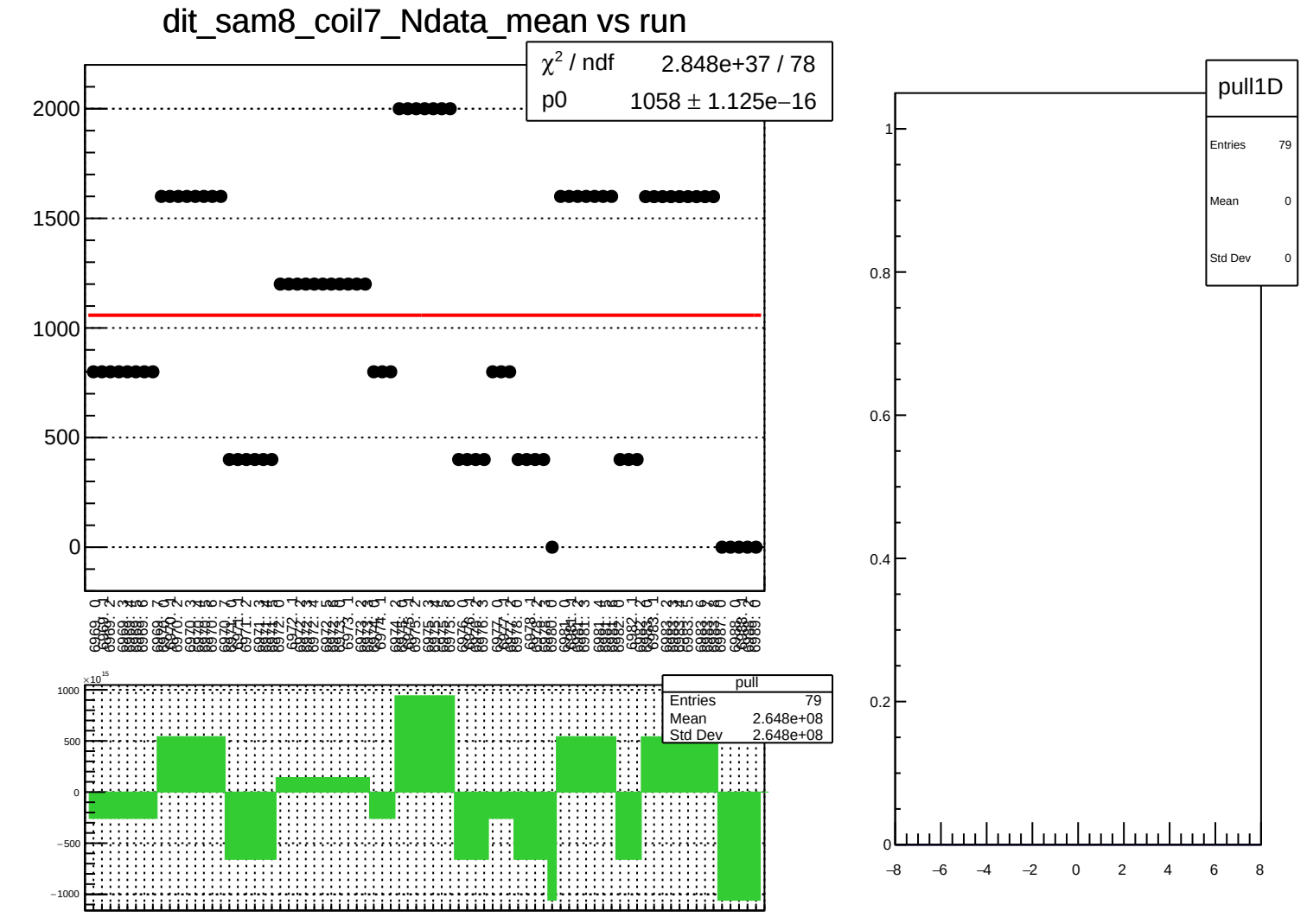


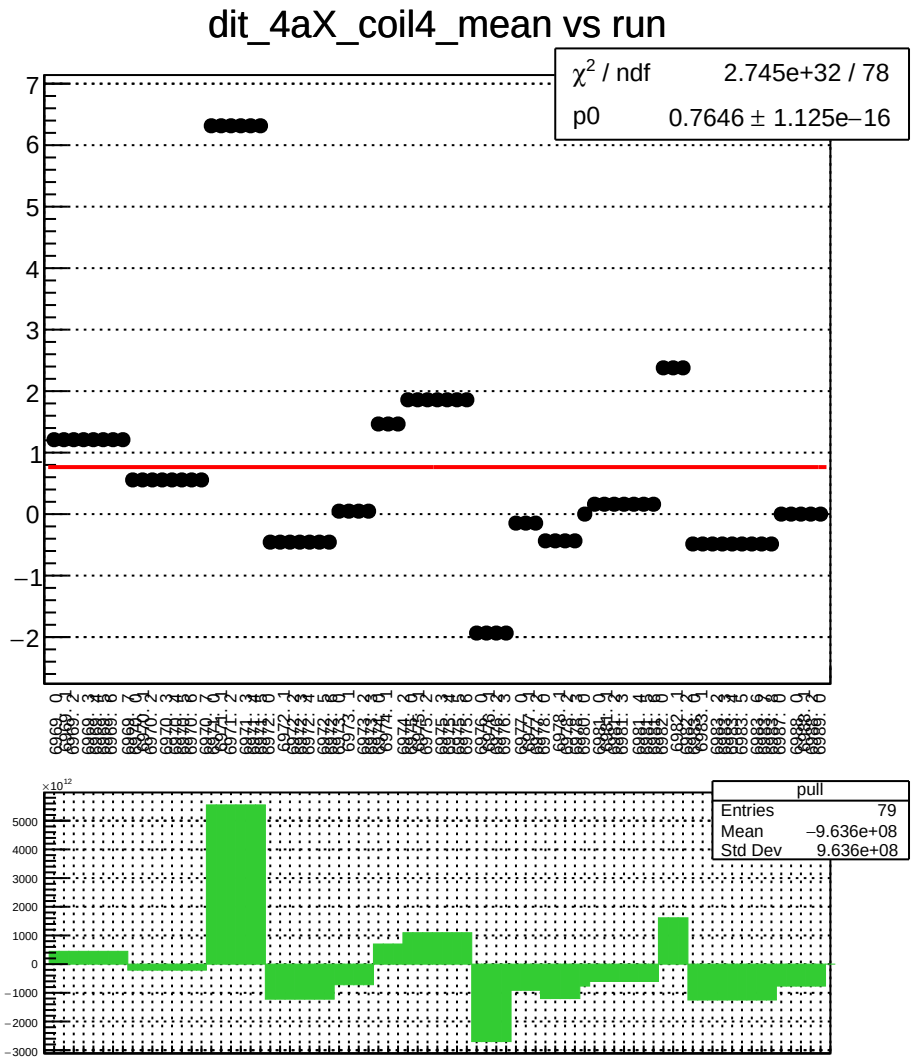

dit_sam8_coil7_mean vs run
χ^2 / ndf 8.02e+36 / 78
p0 –1085 ± 1.125e–16
0
–200
–400
–600
–800
–1000
–1200
–1400
pull
Entries 79
Mean 8.071e+08
Std Dev 8.071e+08
×10^15
1000
800
600
400
200
0
–200

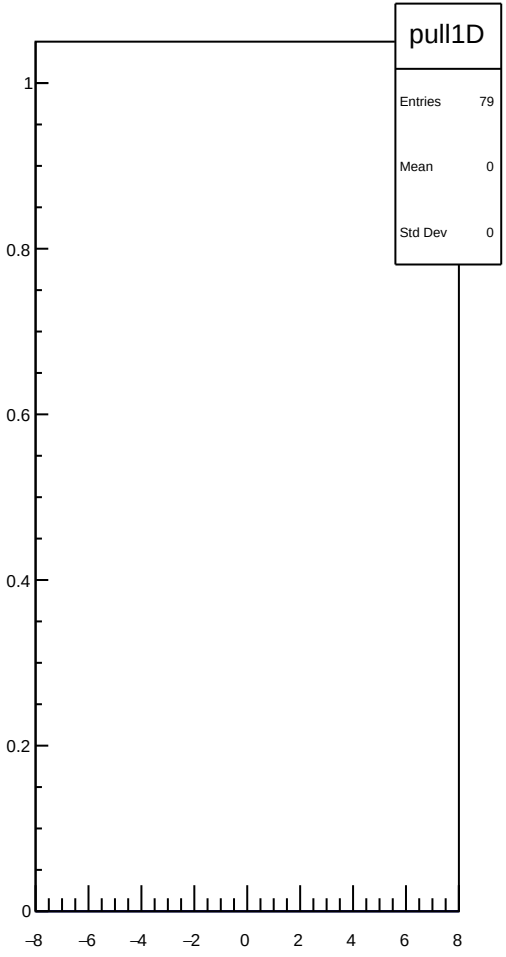

pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8


dit_sam8_coil7_err_mean vs run
χ² / ndf 3.356e+35 / 78
p0 154.5 ± 1.125e−16
pull
Entries 79
Mean −6.125e+08
Std Dev 6.125e+08

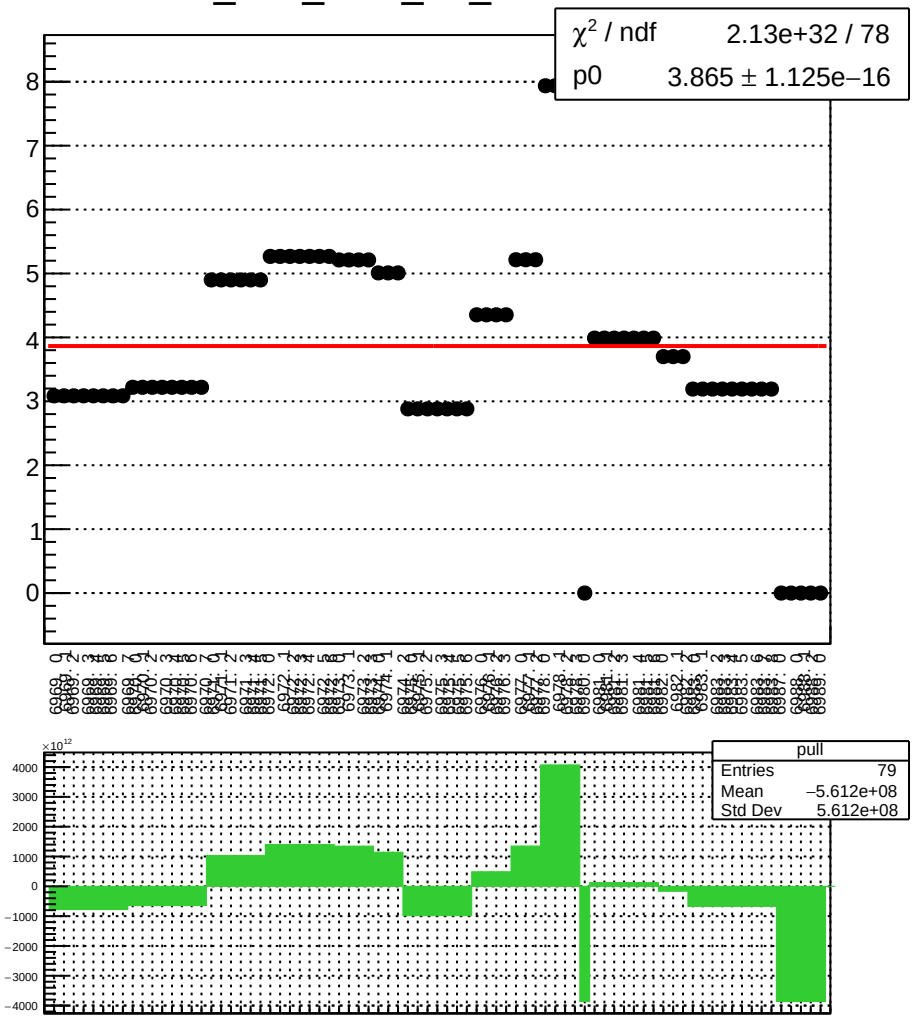

pull1D
Entries 79
Mean 0
Std Dev 0

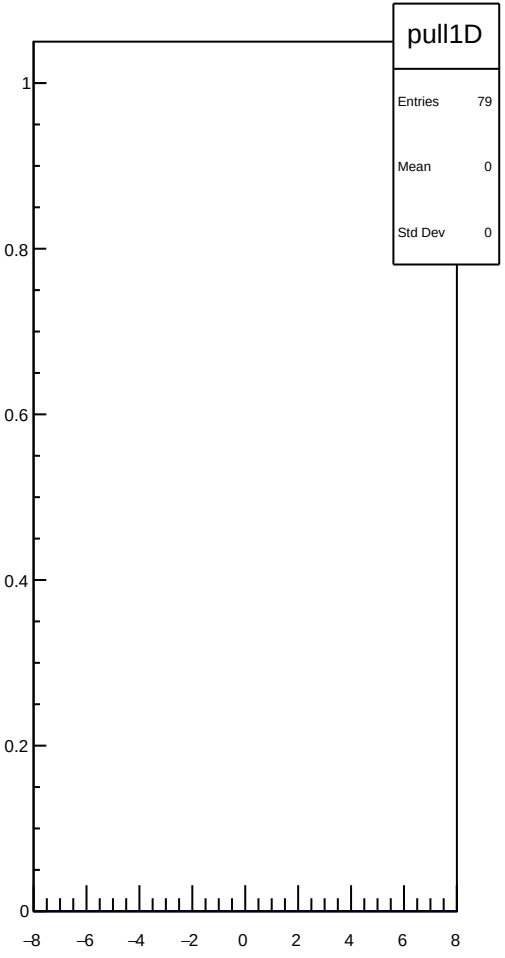

dit_sam8_coil7_Ndata_mean vs run
χ² / ndf 2.848e+37 / 78
p0 1058 ± 1.125e−16
2000
1500
1000
500
0
pull
Entries 79
Mean 2.648e+08
Std Dev 2.648e+08
1000
500
0
−500
−1000
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_4aX_coil4_mean vs run
χ^2 / ndf 2.745e+32 / 78
p0 0.7646 ± 1.125e−16
pull
Entries 79
Mean −9.636e+08
Std Dev 9.636e+08

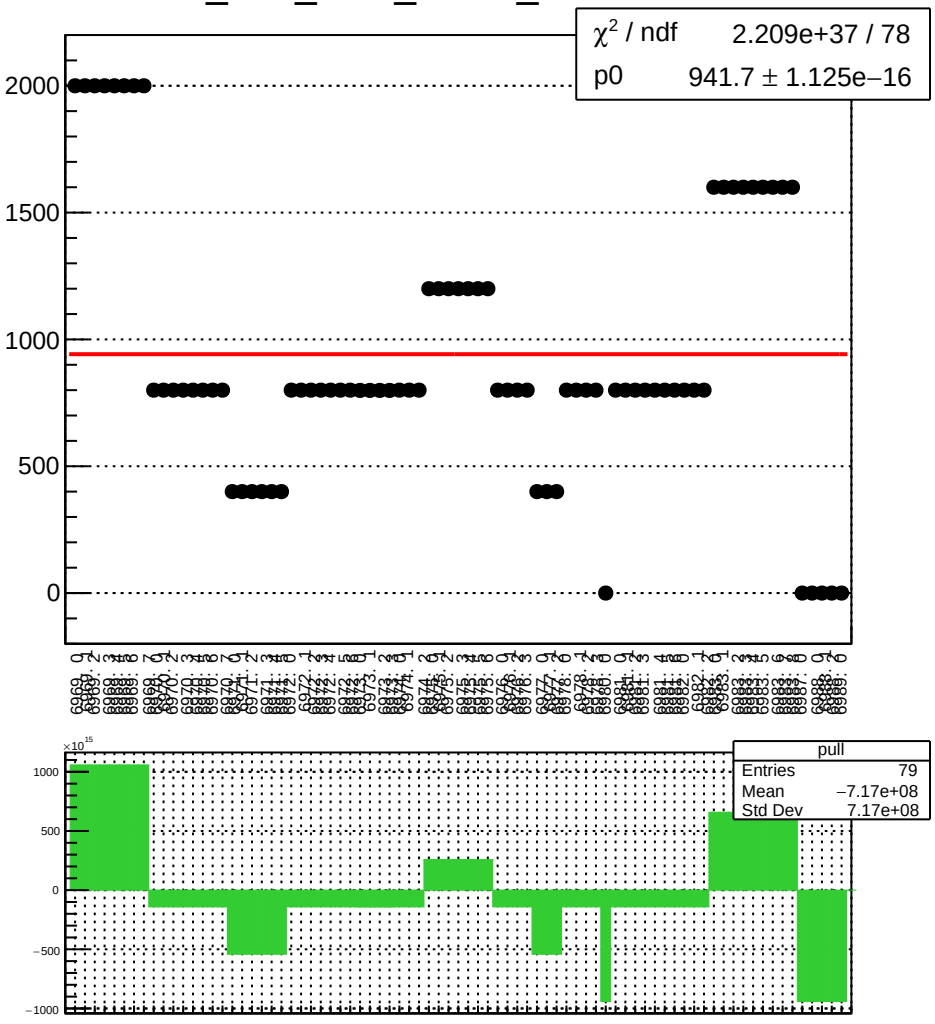

pull1D
Entries 79
Mean 0
Std Dev 0

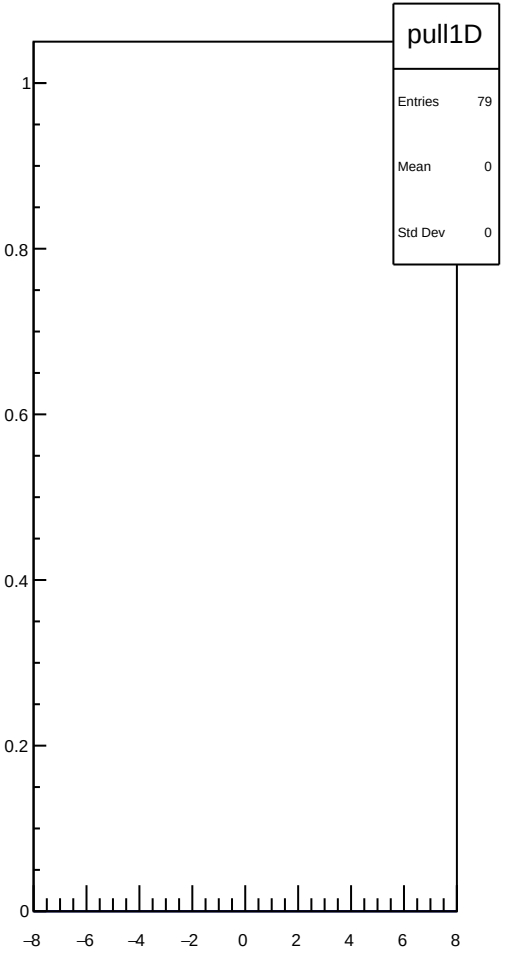
dit_4aX_coil4_err_mean vs run

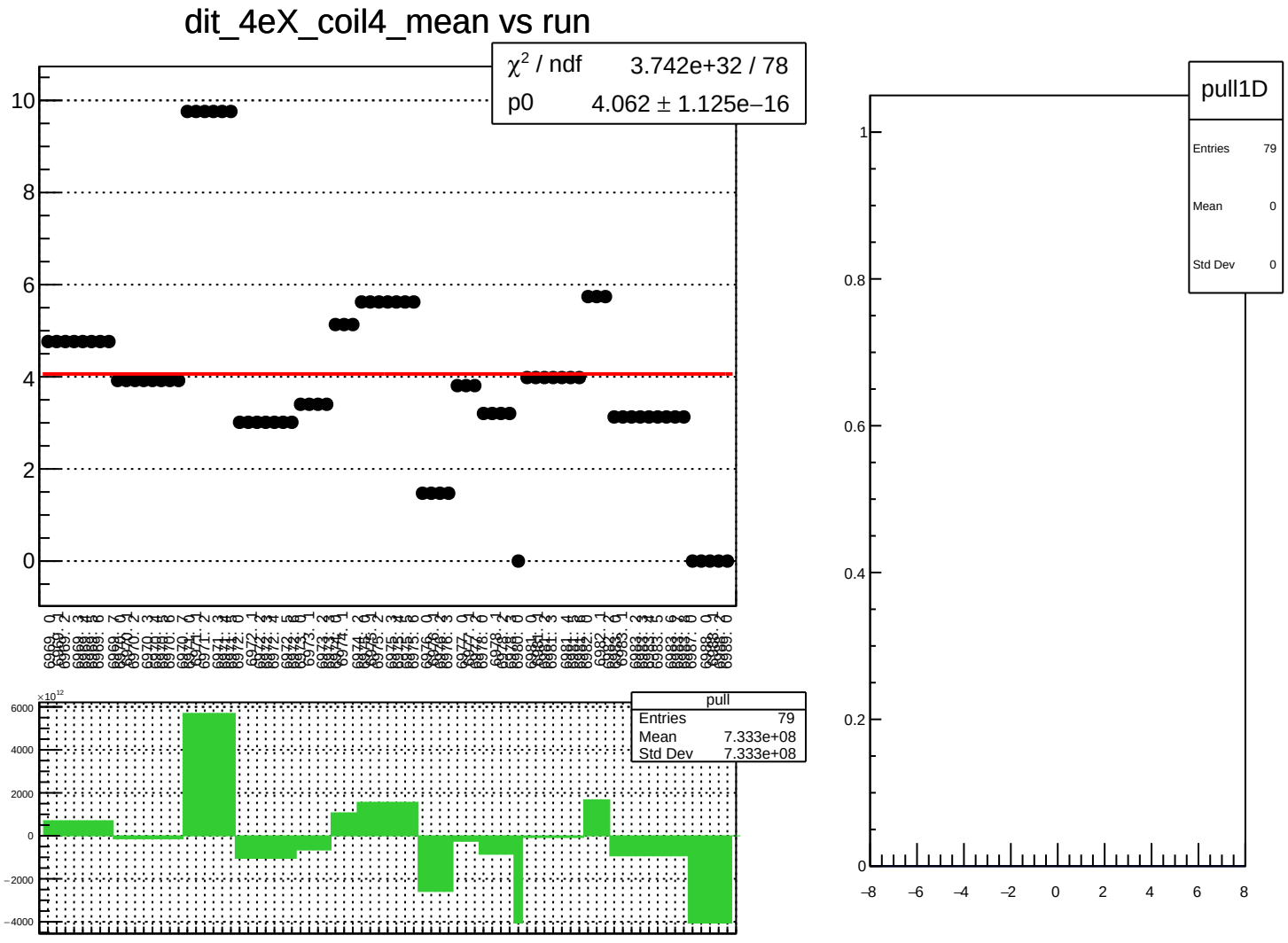




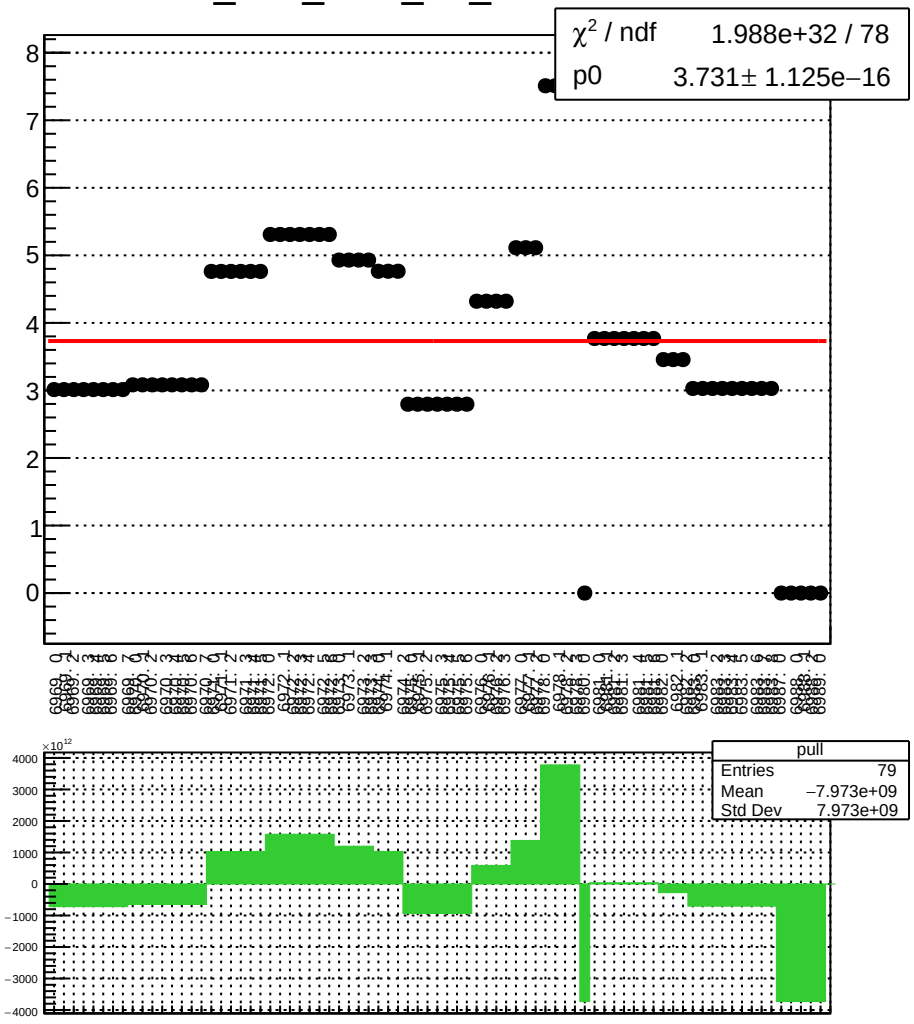
dit_4aX_coil4_Ndata_mean vs run

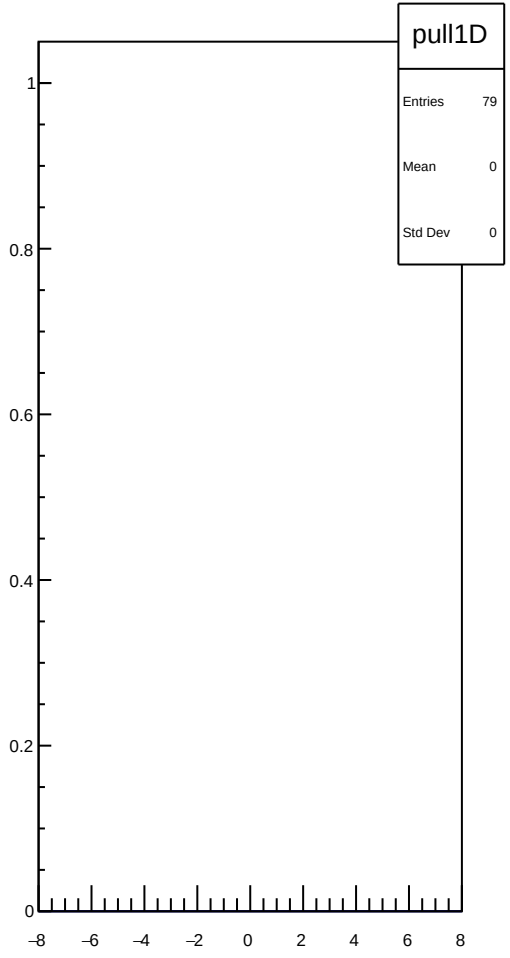




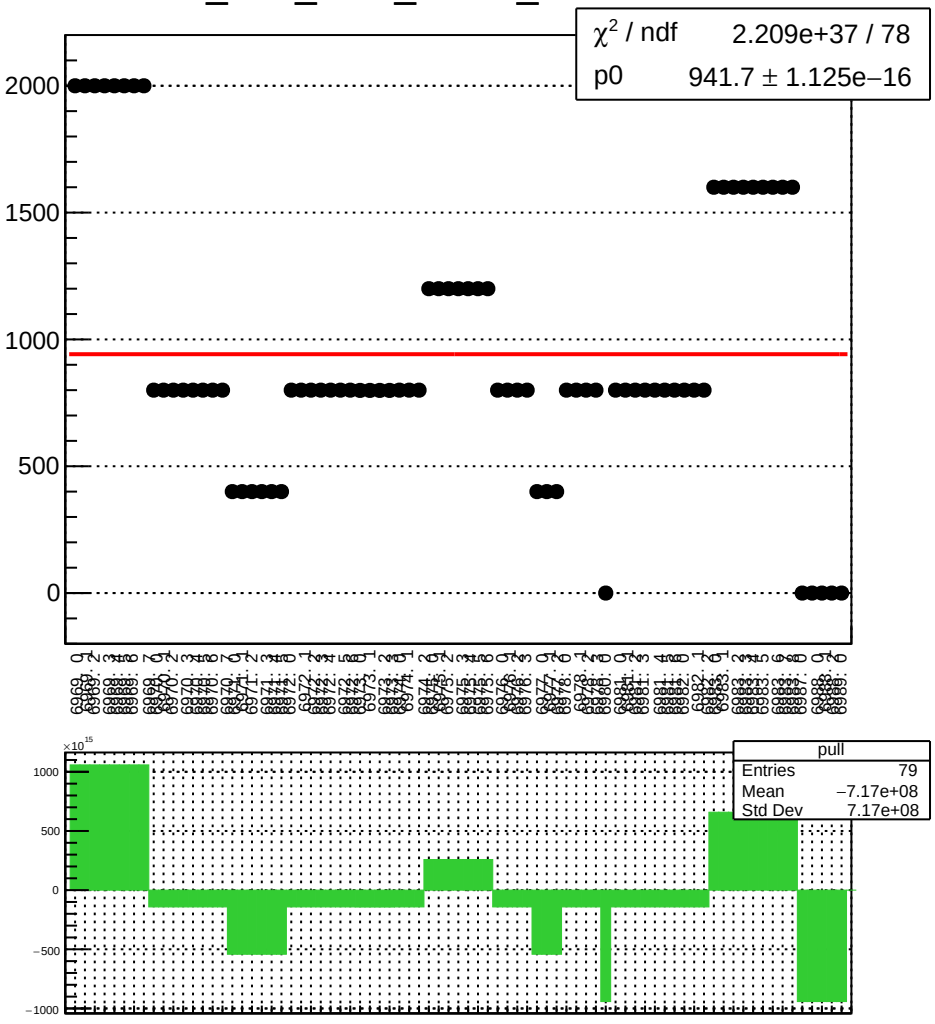

dit_4eX_coil4_mean vs run
χ² / ndf 3.742e+32 / 78
p0 4.062 ± 1.125e−16
pull
Entries 79
Mean 7.333e+08
Std Dev 7.333e+08
pull1D
Entries 79
Mean 0
Std Dev 0

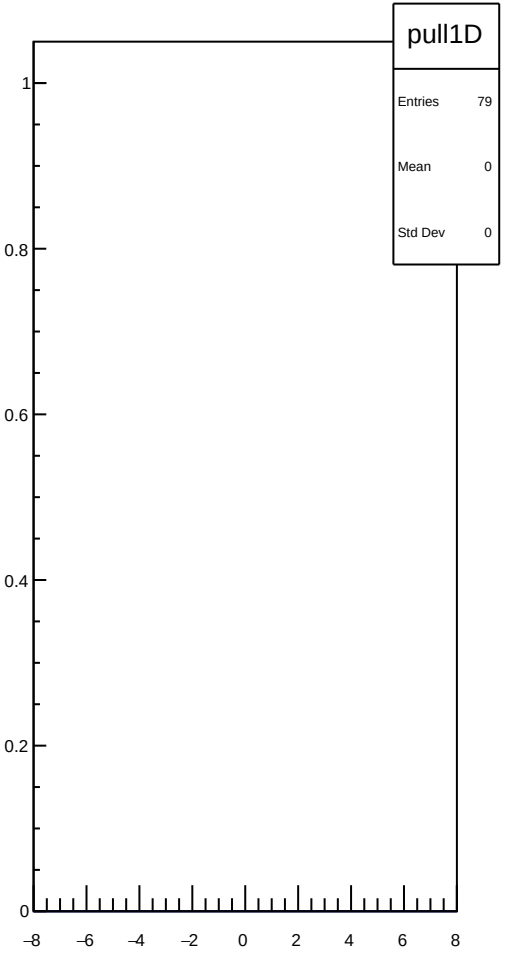
dit_4eX_coil4_err_mean vs run



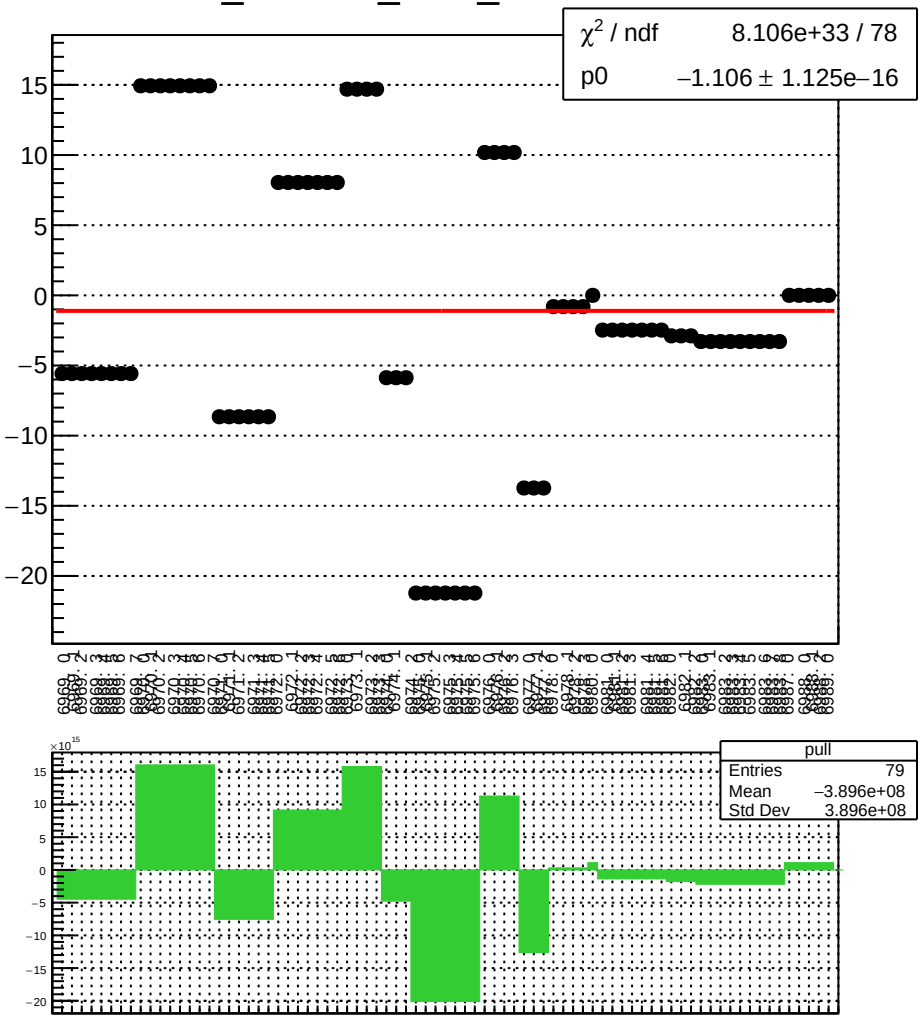


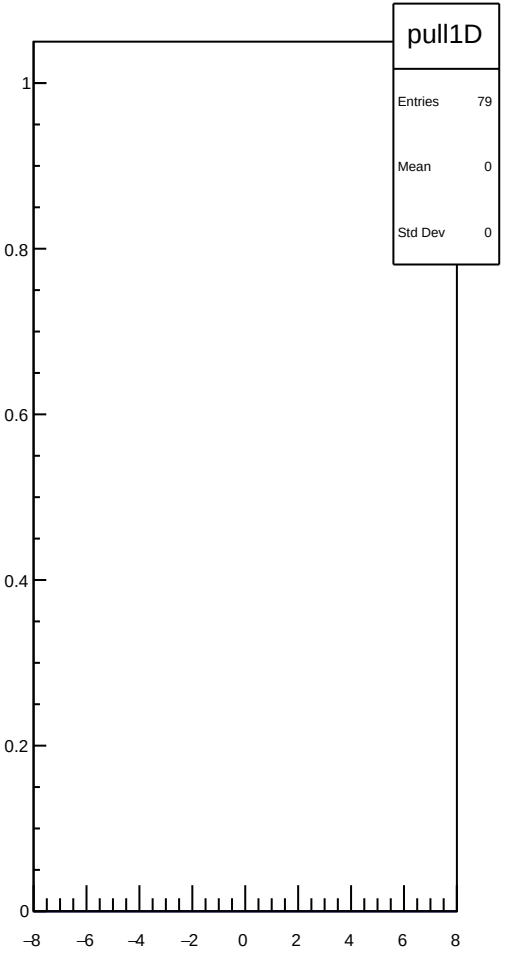
dit_4eX_coil4_Ndata_mean vs run



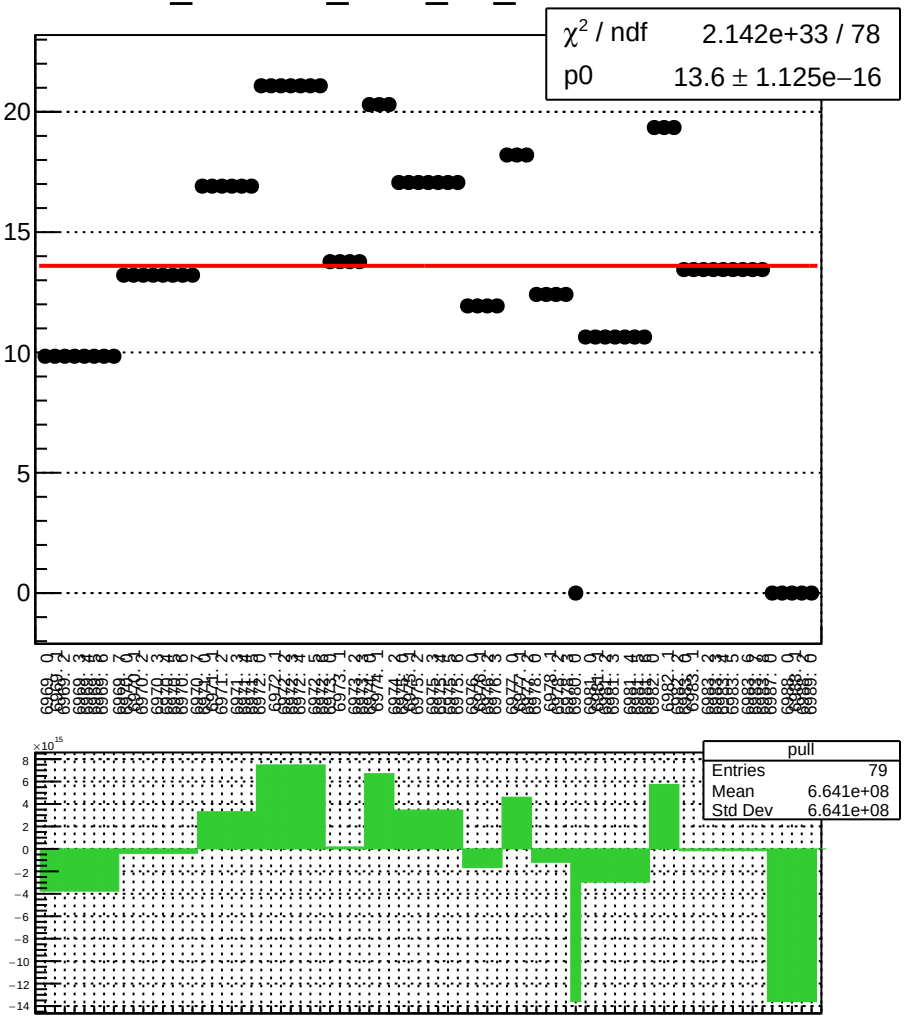


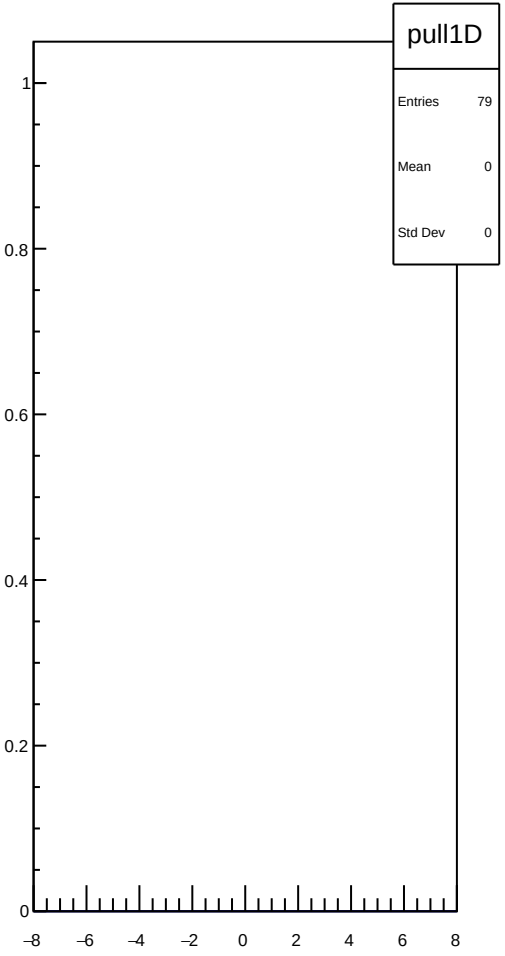
dit_11X12X_coil4_mean vs run



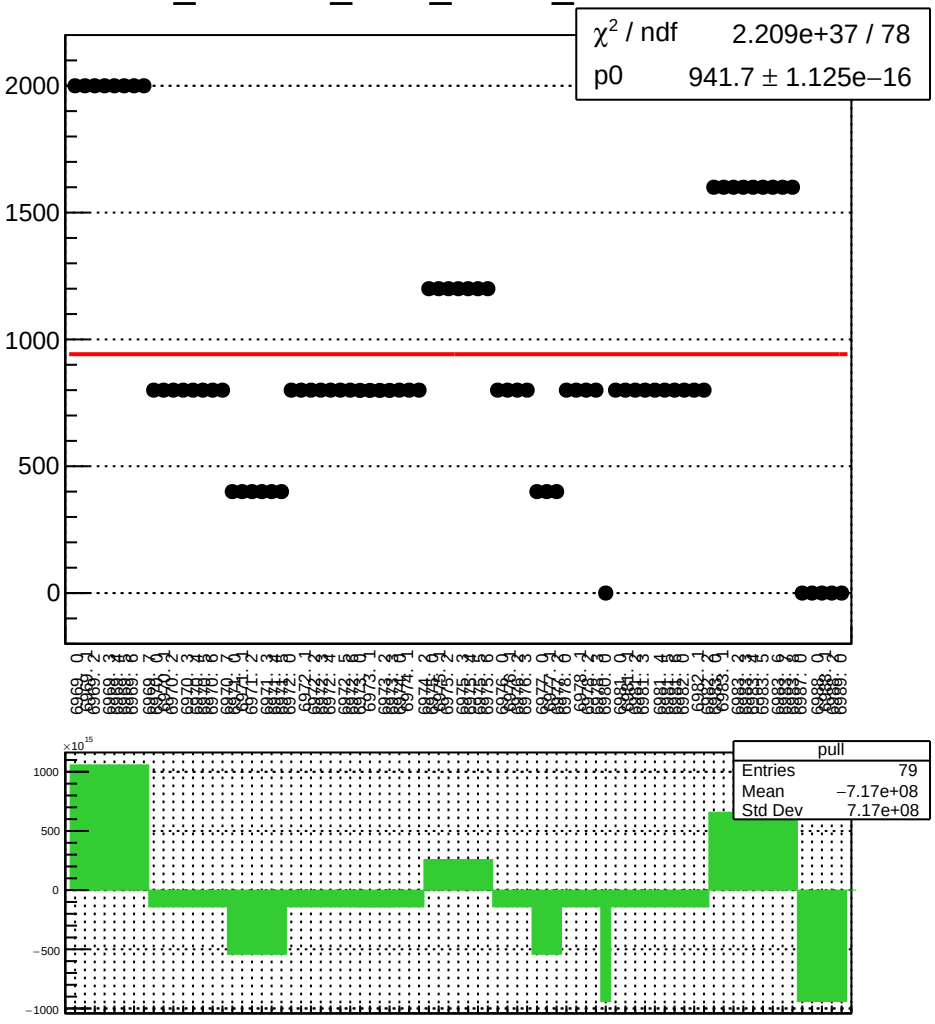


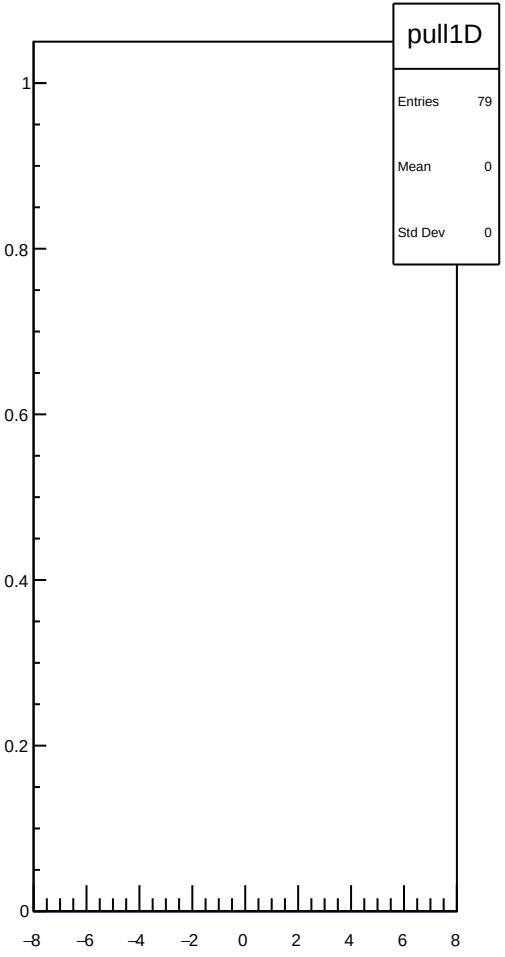
dit_11X12X_coil4_err_mean vs run

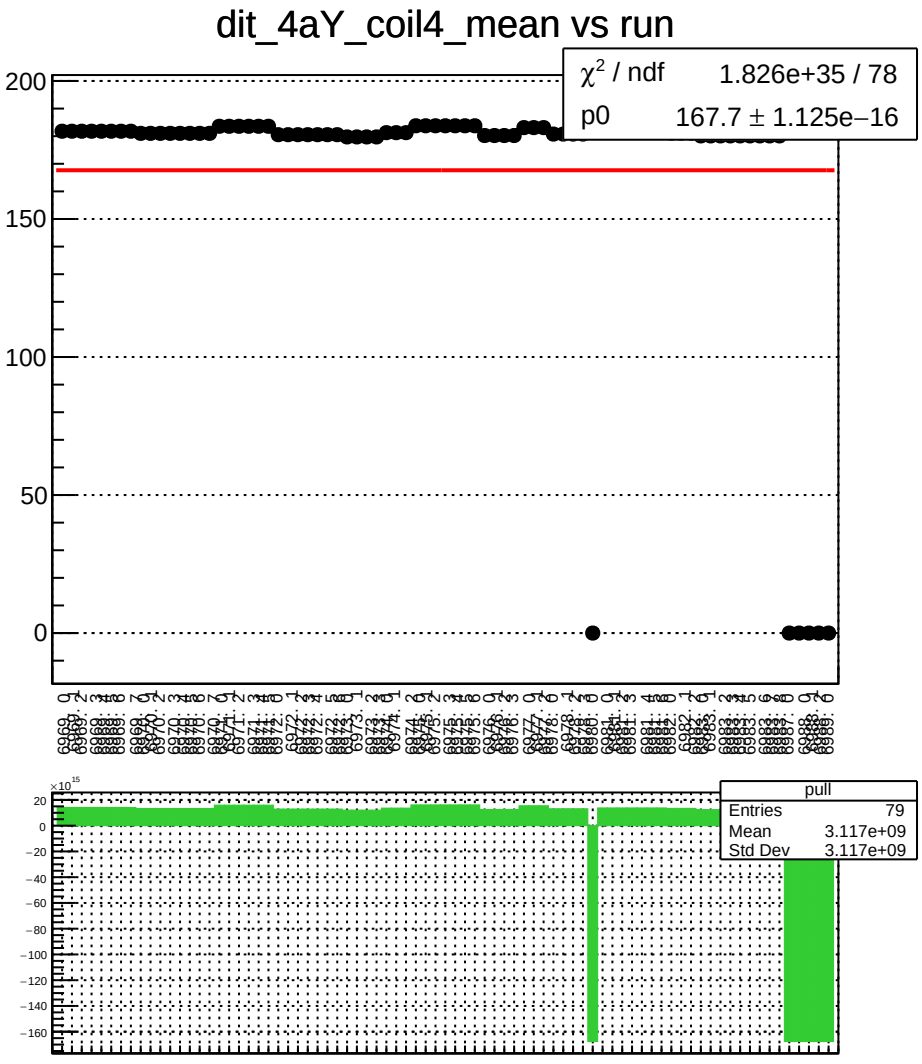


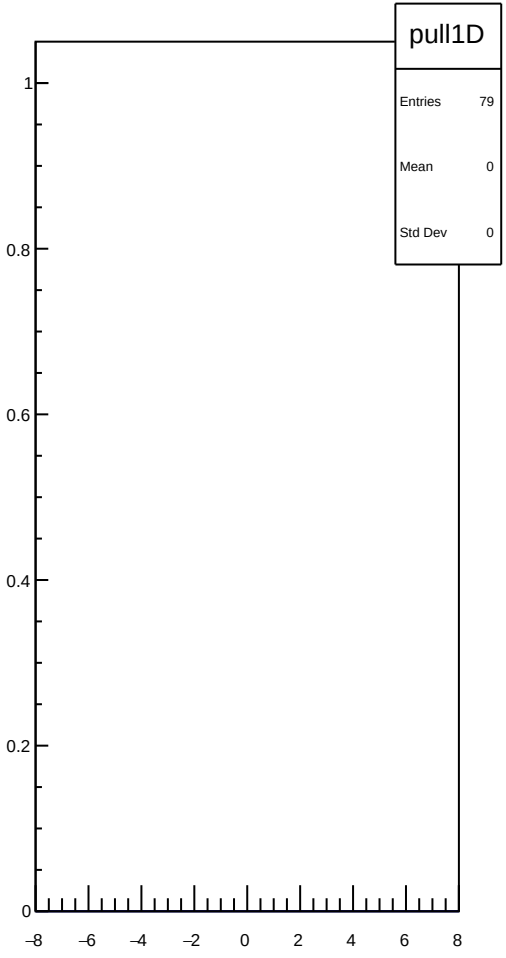


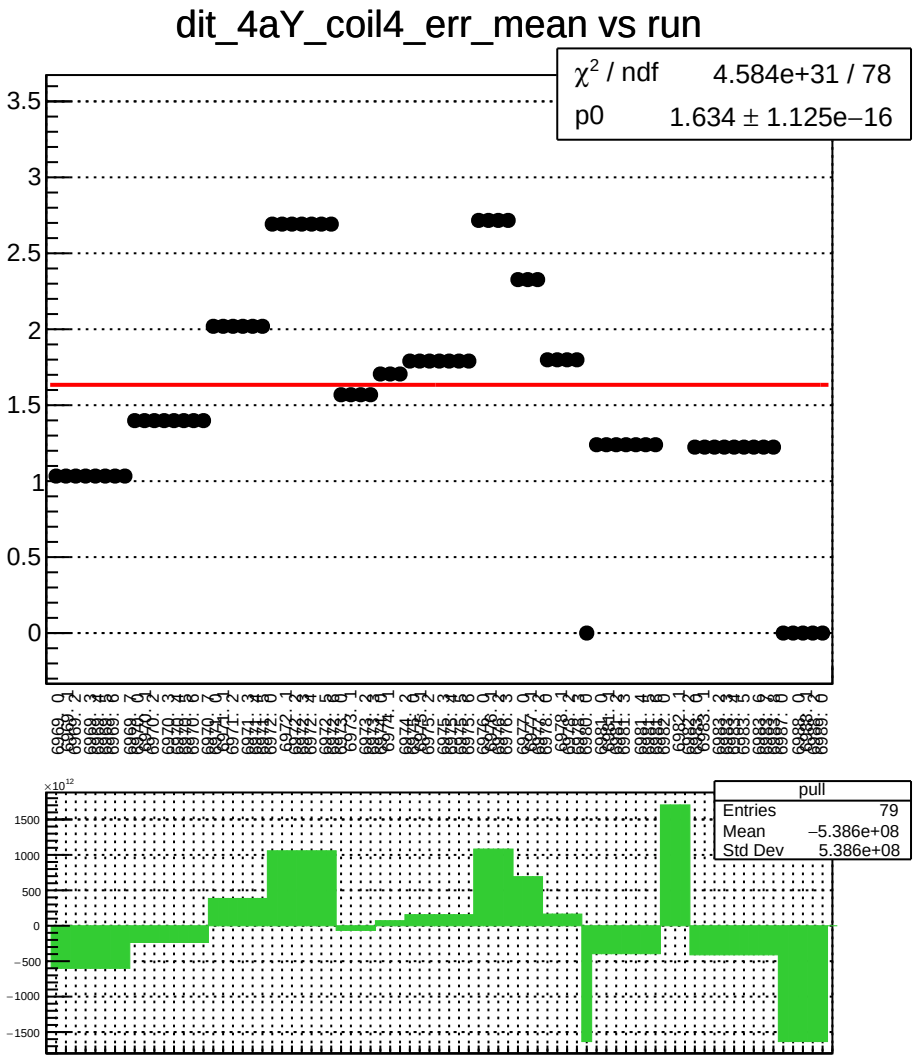
dit_11X12X_coil4_Ndata_mean vs run

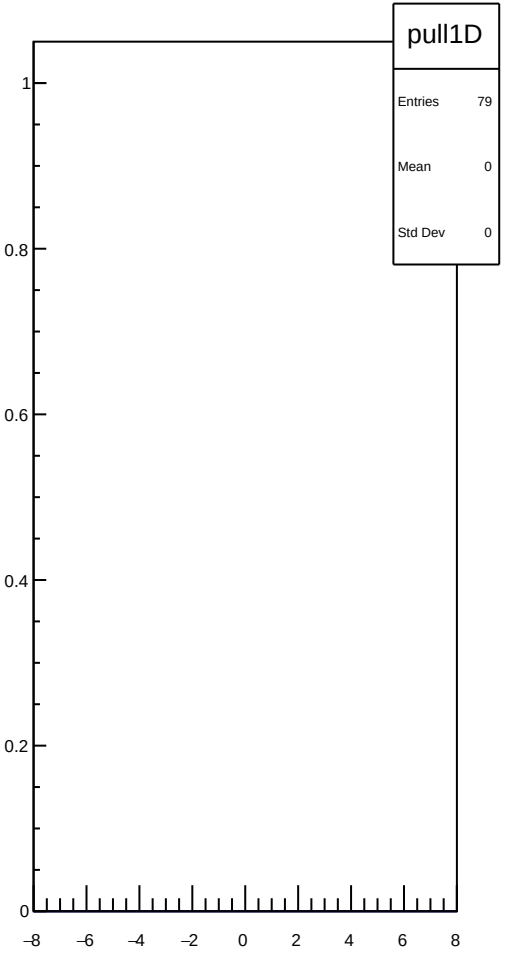




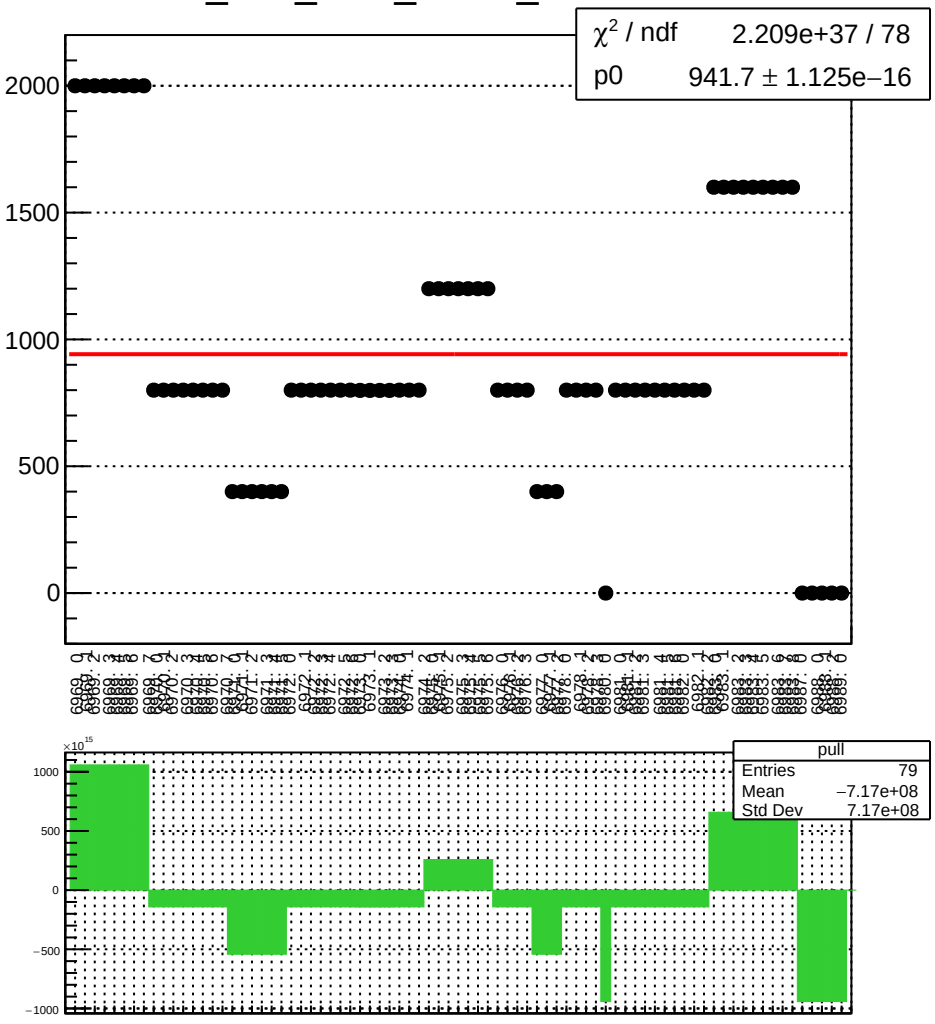

dit_4aY_coil4_mean vs run
χ^2 / ndf 1.826e+35 / 78
p0 167.7 ± 1.125e−16
pull
Entries 79
Mean 3.117e+09
Std Dev 3.117e+09

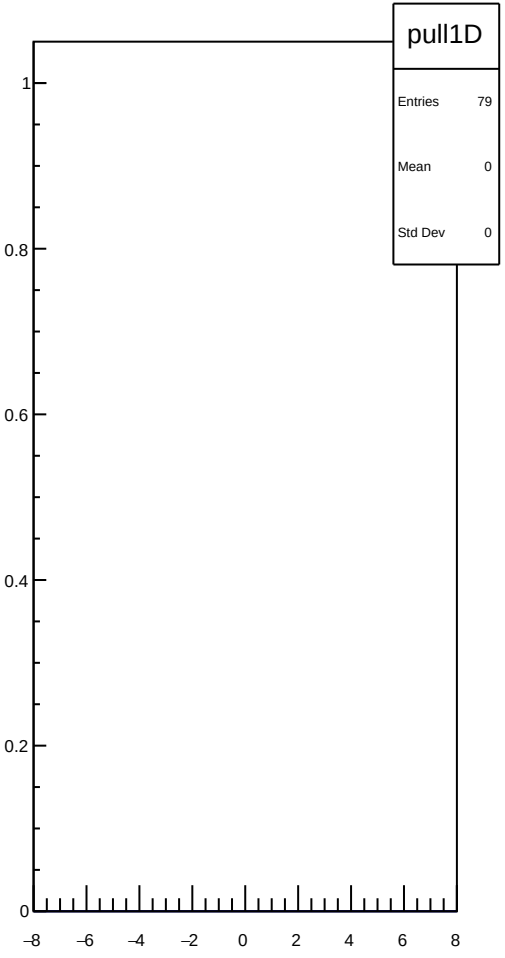

pull1D
Entries 79
Mean 0
Std Dev 0

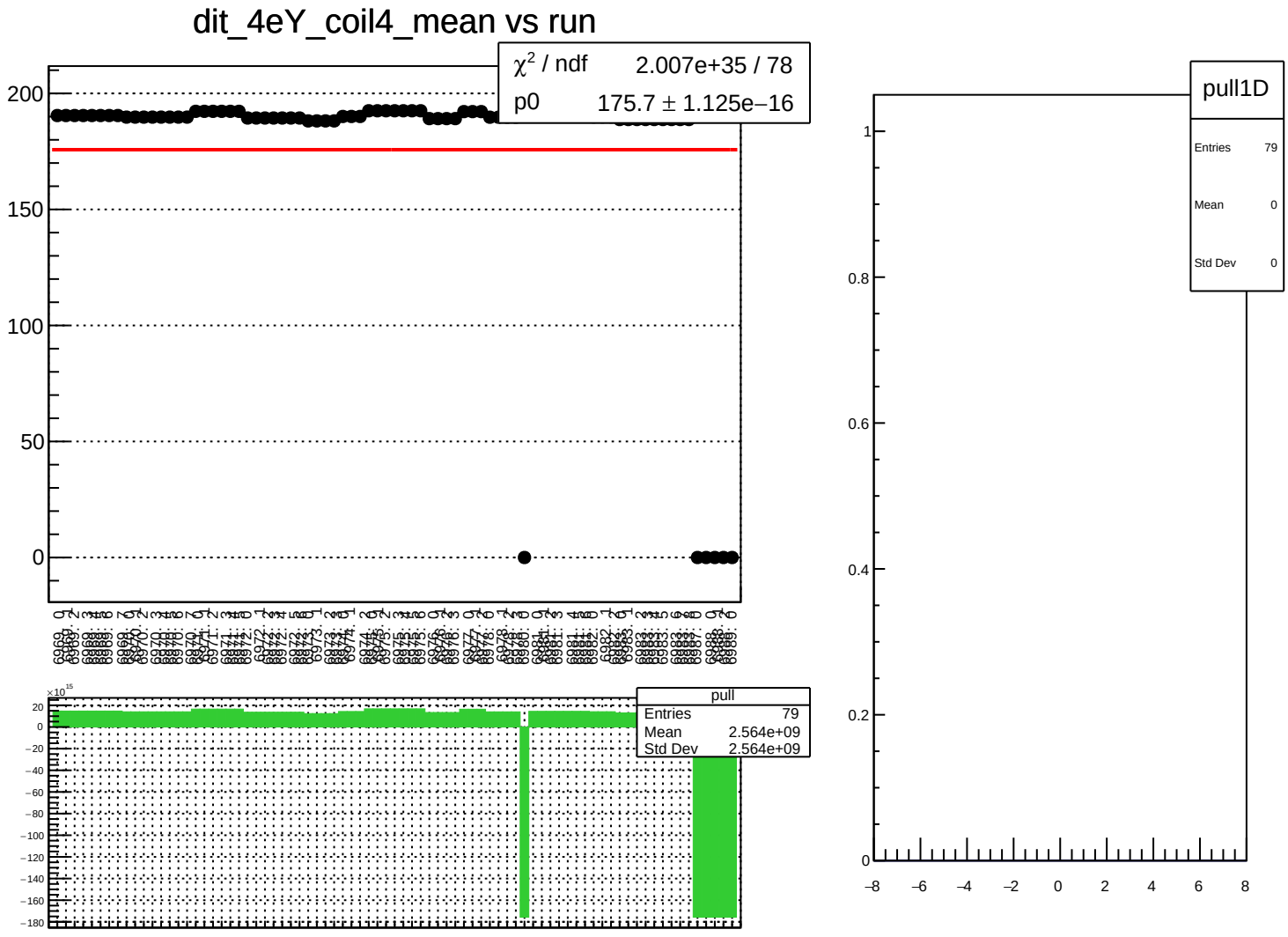

dit_4aY_coil4_err_mean vs run
χ² / ndf 4.584e+31 / 78
p0 1.634 ± 1.125e−16
pull
Entries 79
Mean −5.386e+08
Std Dev 5.386e+08

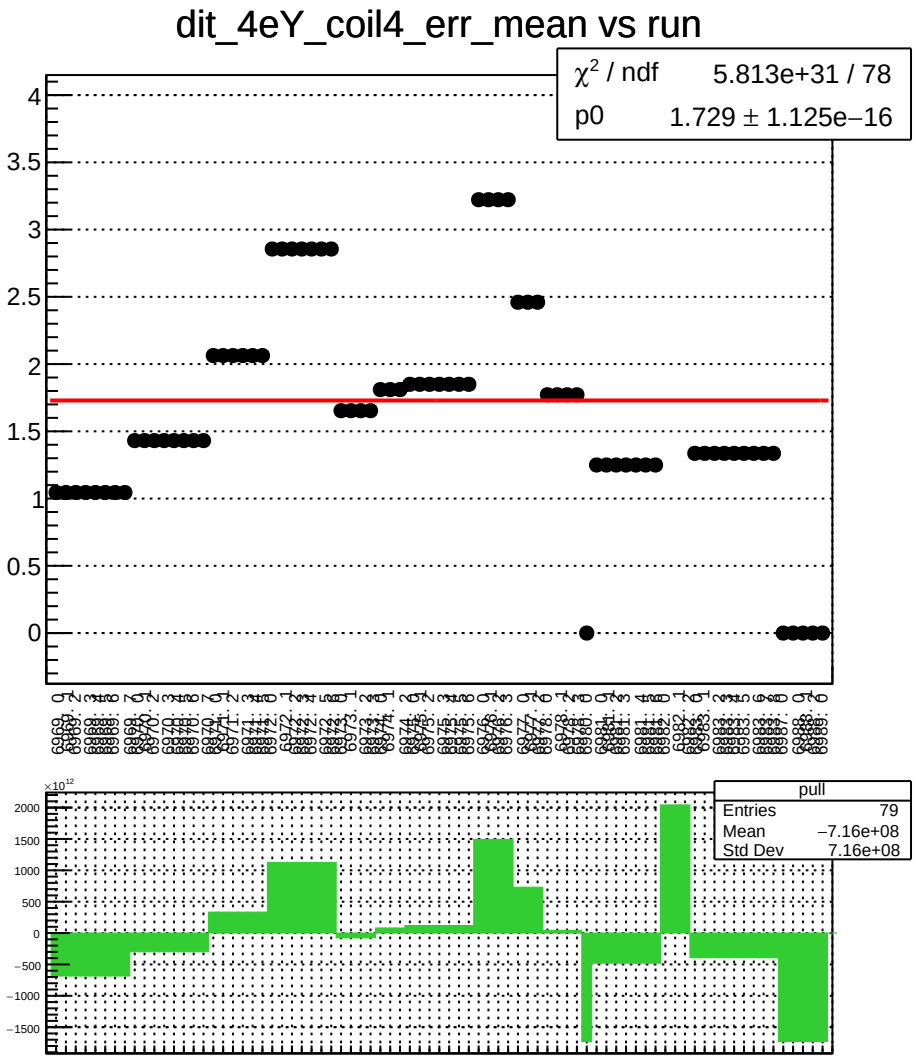

pull1D
Entries 79
Mean 0
Std Dev 0

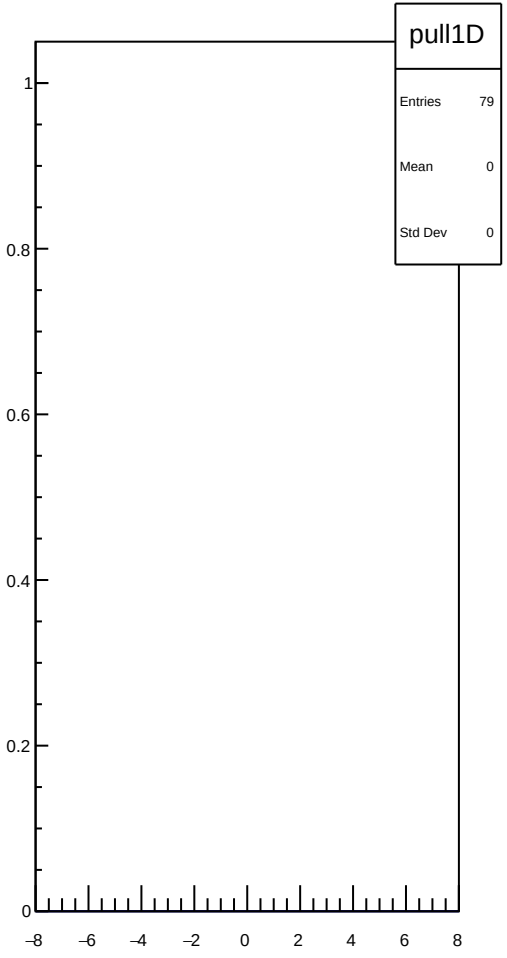
dit_4aY_coil4_Ndata_mean vs run



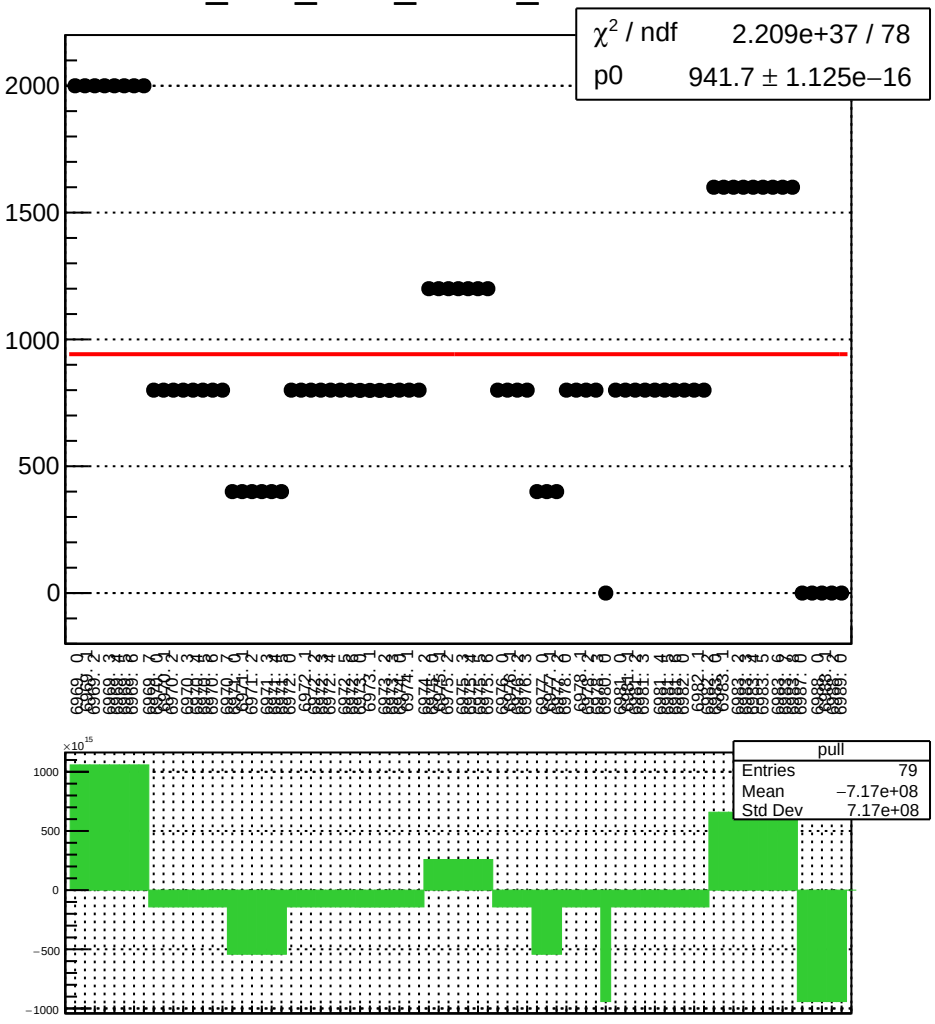


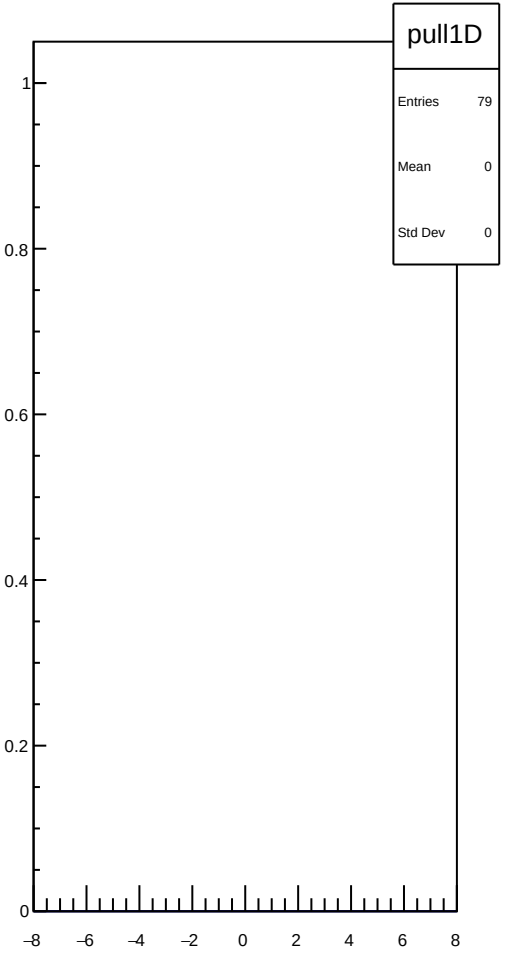

dit_4eY_coil4_mean vs run
χ^2 / ndf 2.007e+35 / 78
p0 175.7 ± 1.125e−16
pull
Entries 79
Mean 2.564e+09
Std Dev 2.564e+09
pull1D
Entries 79
Mean 0
Std Dev 0

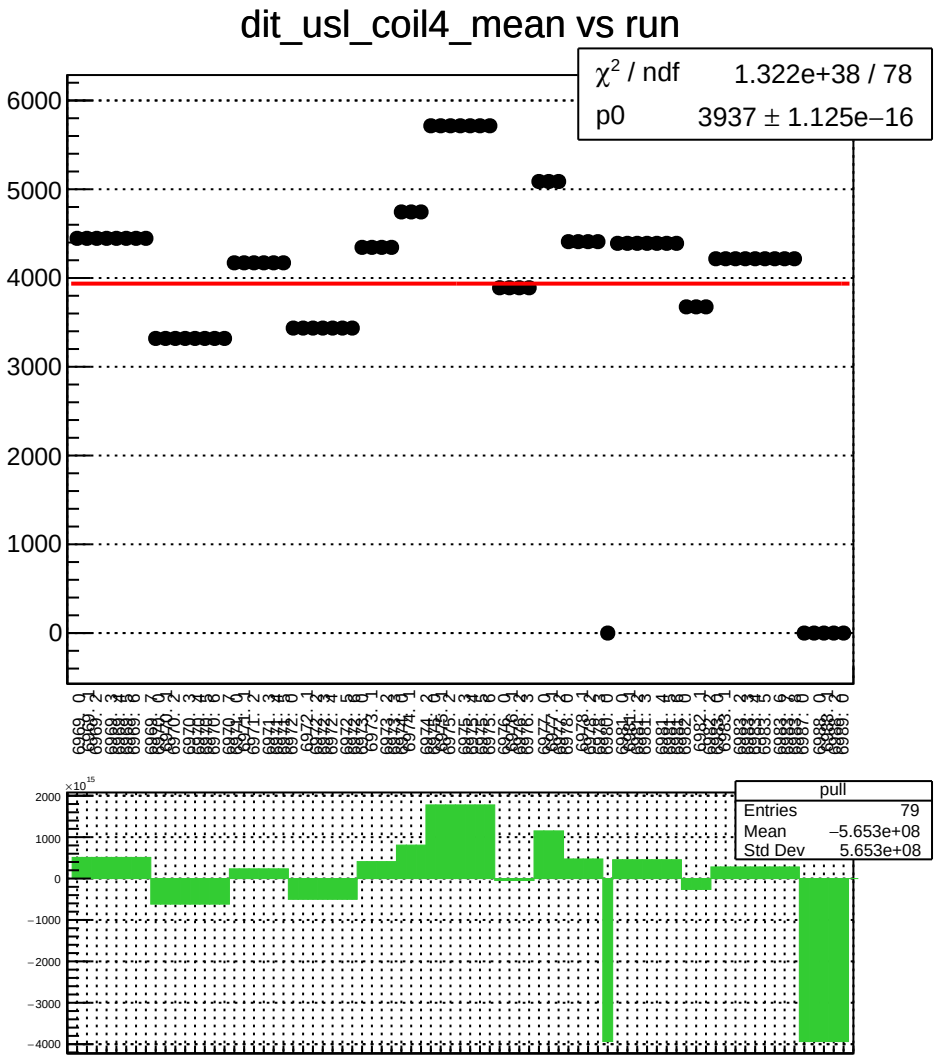

dit_4eY_coil4_err_mean vs run
χ² / ndf 5.813e+31 / 78
p0 1.729 ± 1.125e−16
pull
Entries 79
Mean −7.16e+08
Std Dev 7.16e+08

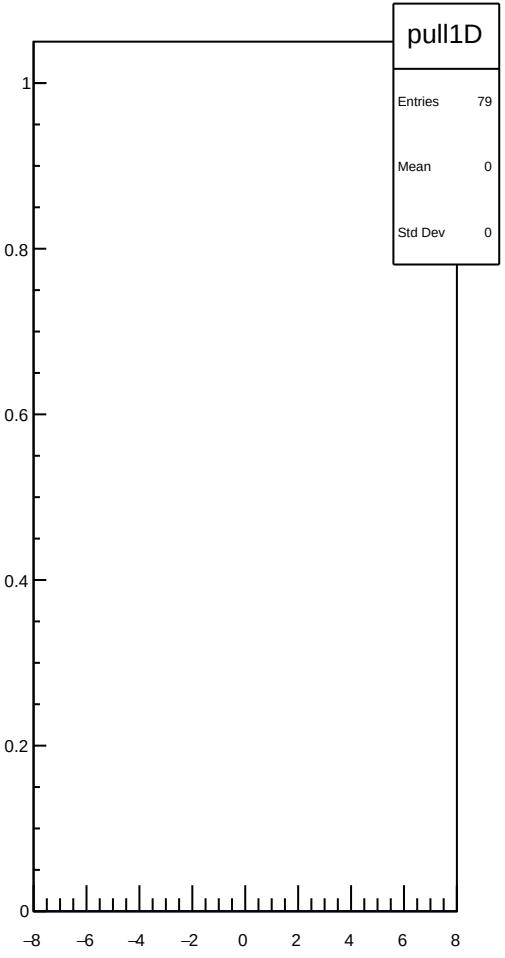

pull1D
Entries 79
Mean 0
Std Dev 0

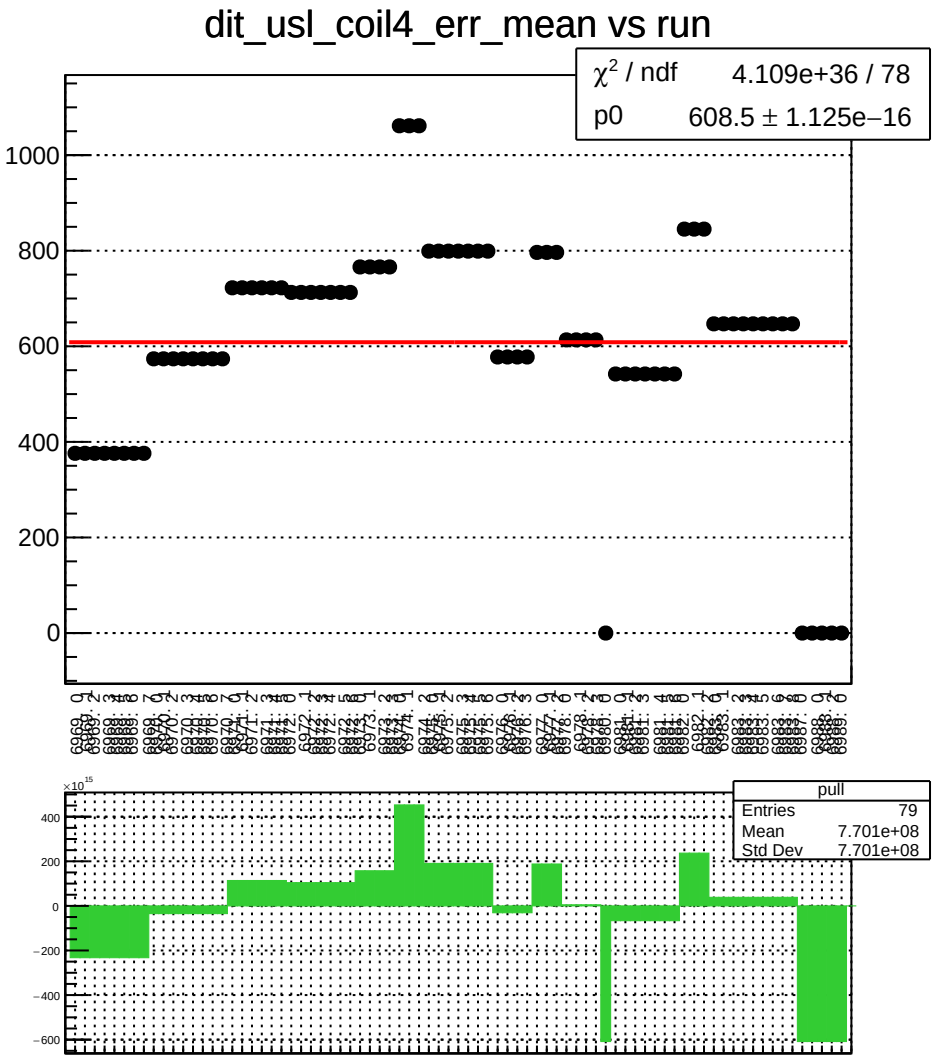
dit_4eY_coil4_Ndata_mean vs run

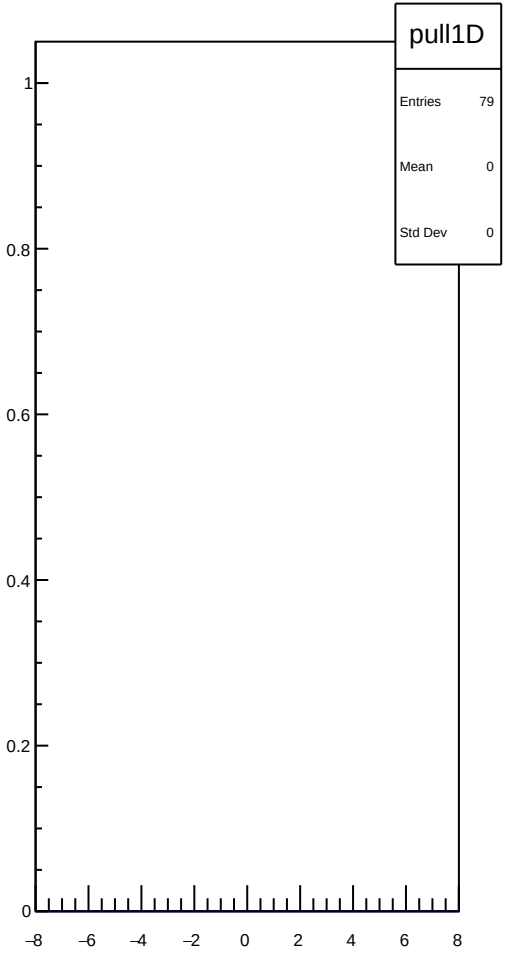


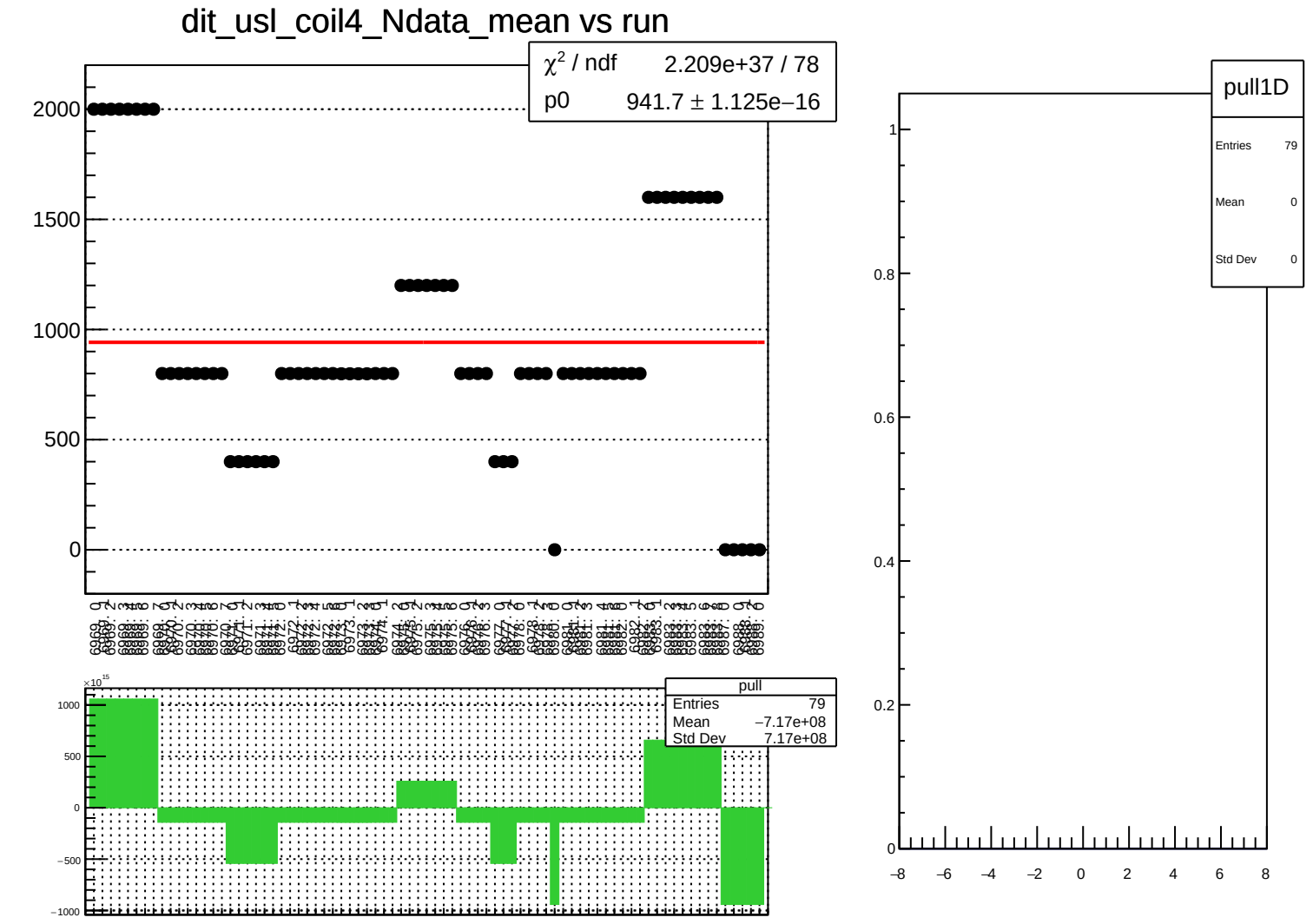


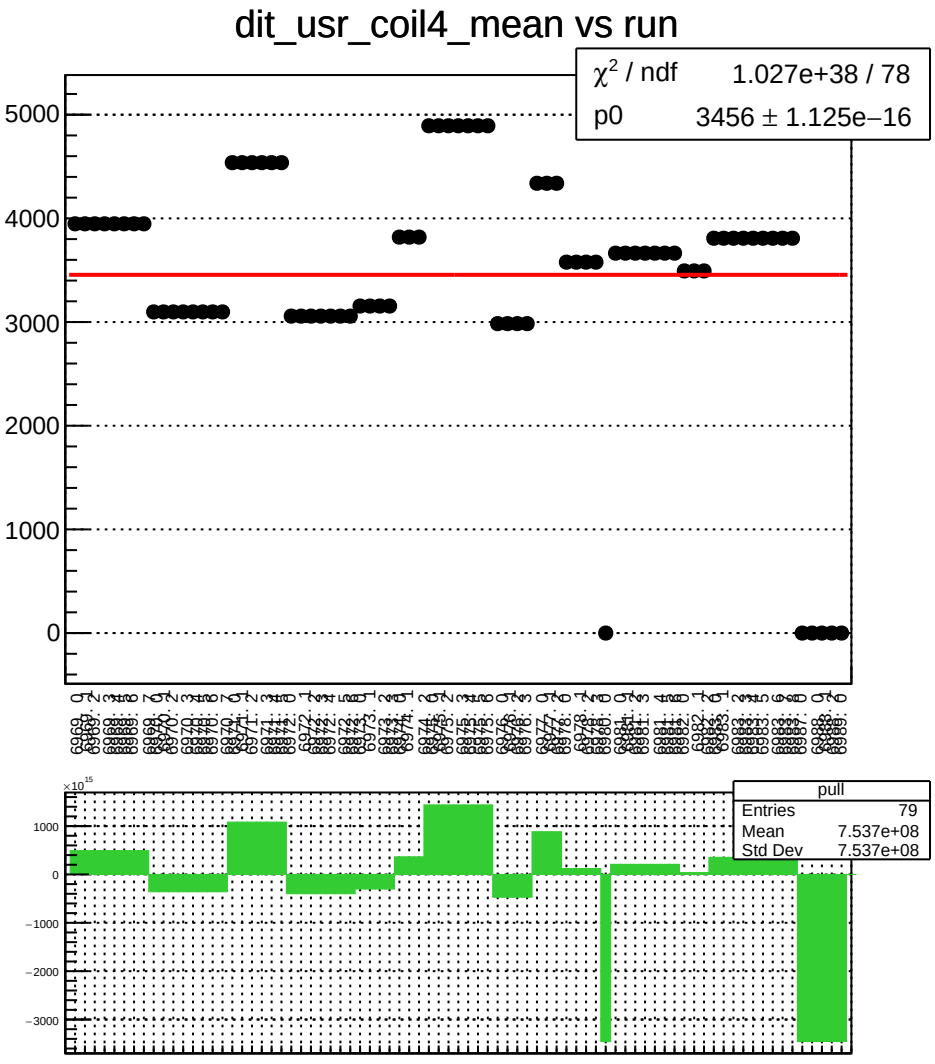

dit_usl_coil4_mean vs run
χ² / ndf 1.322e+38 / 78
p0 3937 ± 1.125e−16
pull
Entries 79
Mean −5.653e+08
Std Dev 5.653e+08

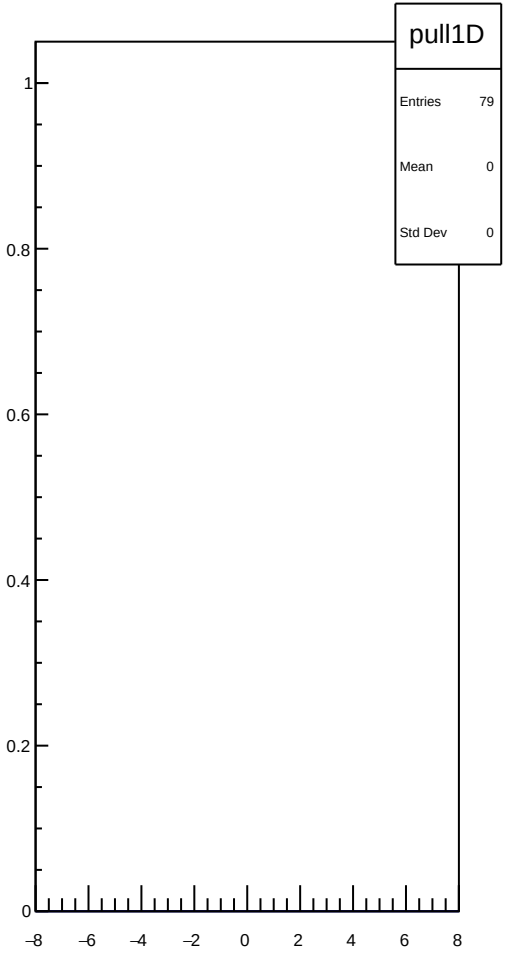

pull1D
Entries 79
Mean 0
Std Dev 0

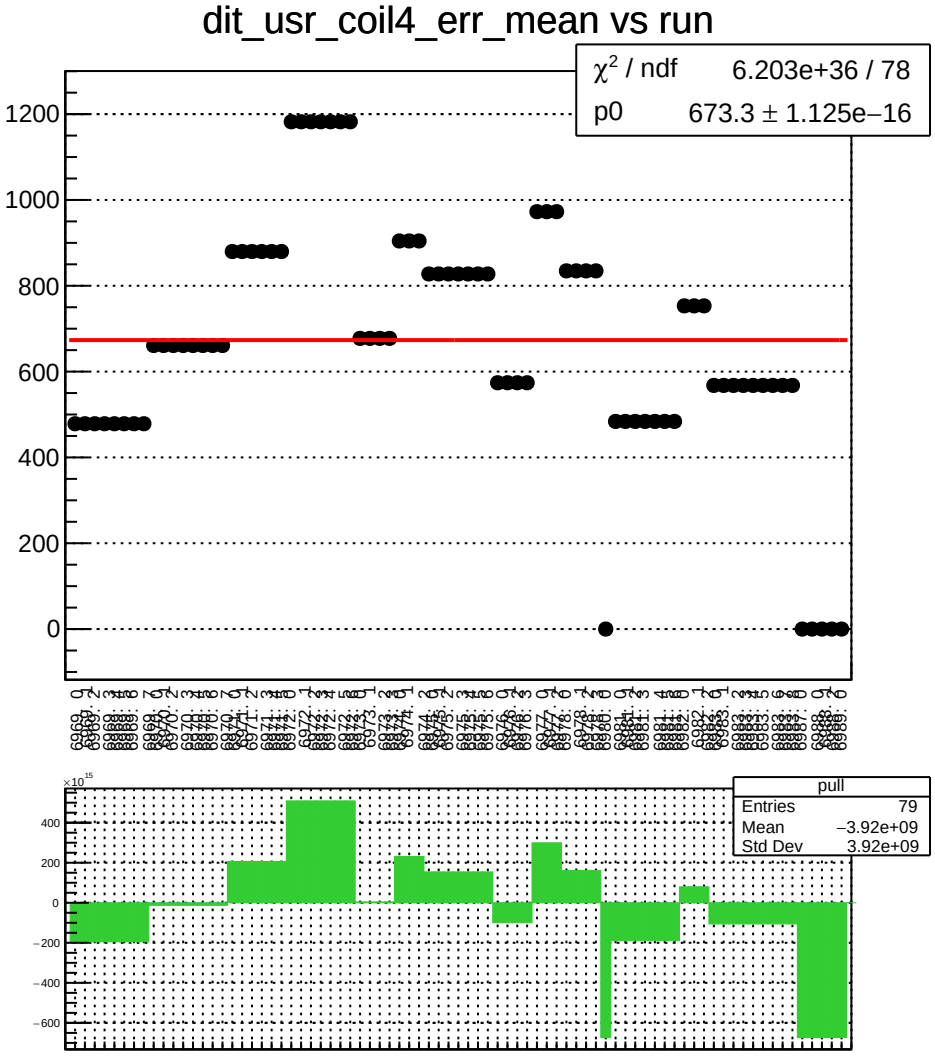

dit_usl_coil4_err_mean vs run
χ² / ndf 4.109e+36 / 78
p0 608.5 ± 1.125e−16
1000
800
600
400
200
0
pull
Entries 79
Mean 7.701e+08
Std Dev 7.701e+08
×10¹⁵
400
200
0
−200
−400
−600

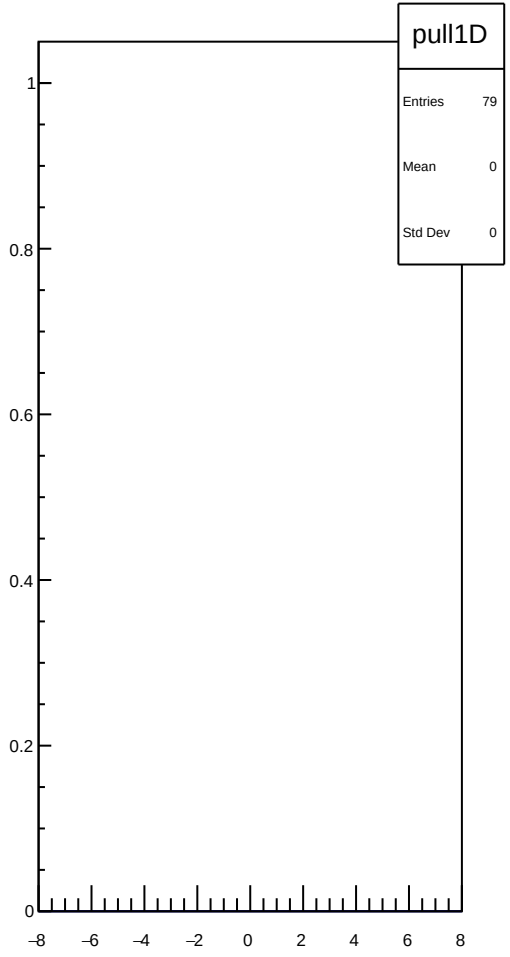

pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

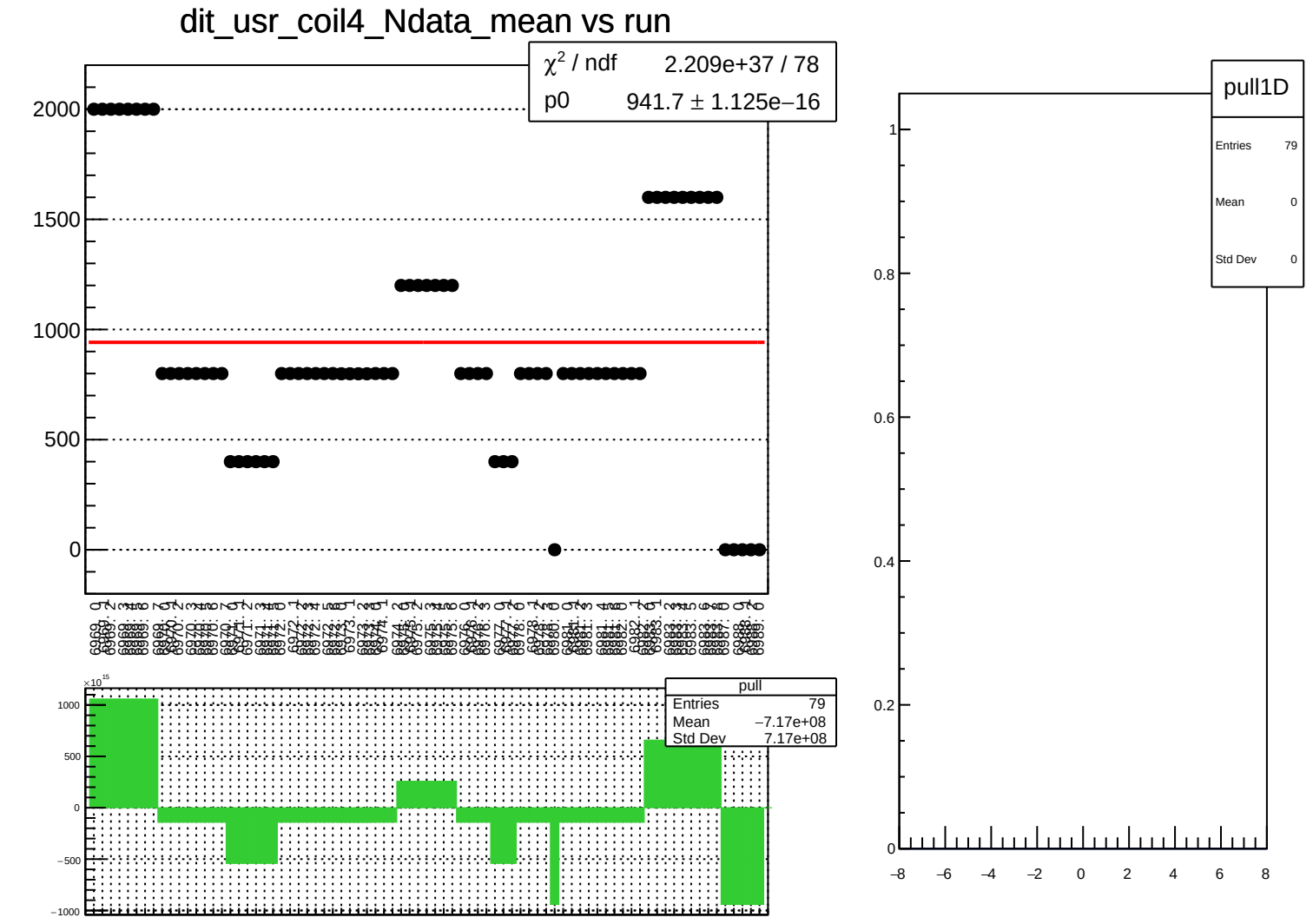

dit_usl_coil4_Ndata_mean vs run
χ² / ndf 2.209e+37 / 78
p0 941.7 ± 1.125e−16
2000
1500
1000
500
0
pull
Entries 79
Mean −7.17e+08
Std Dev 7.17e+08
×10¹⁵
1000
500
0
−500
−1000
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

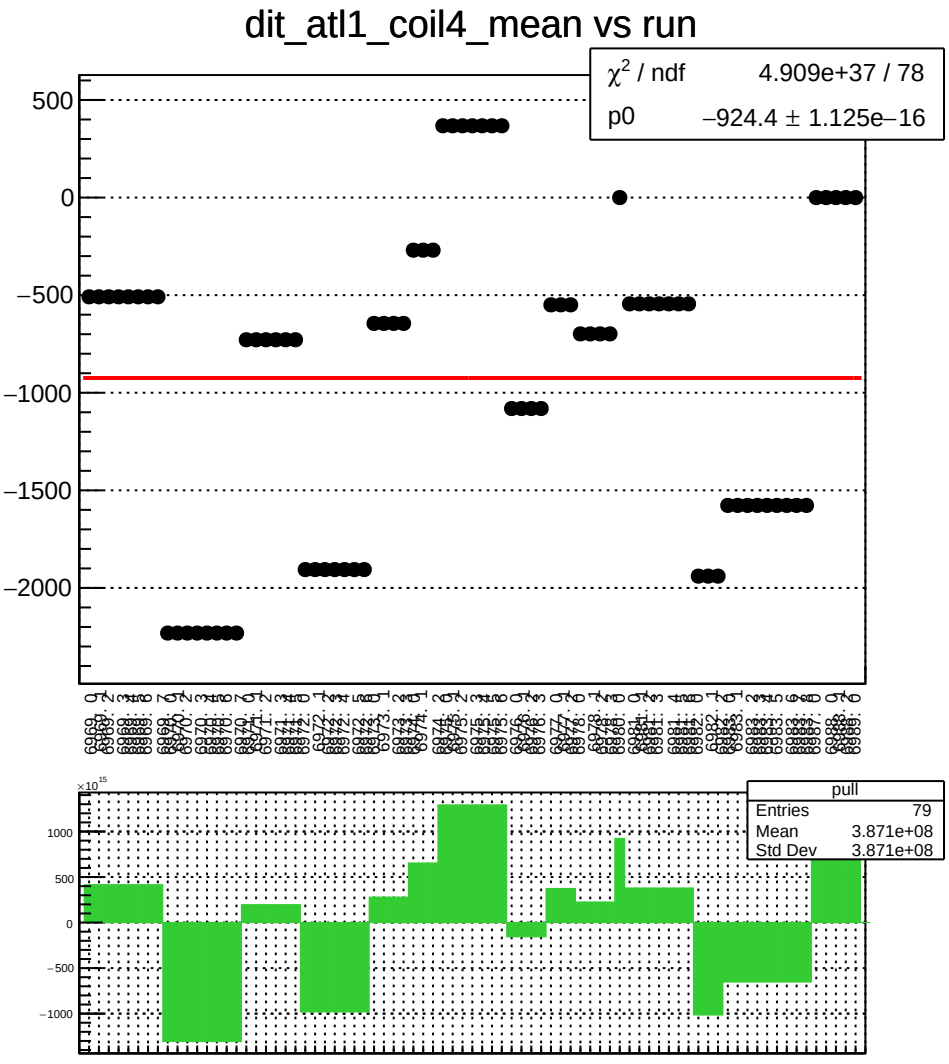

dit_usr_coil4_mean vs run
χ^2 / ndf 1.027e+38 / 78
p0 3456 ± 1.125e−16
5000
4000
3000
2000
1000
0
pull
Entries 79
Mean 7.537e+08
Std Dev 7.537e+08
1000
0
−1000
−2000
−3000

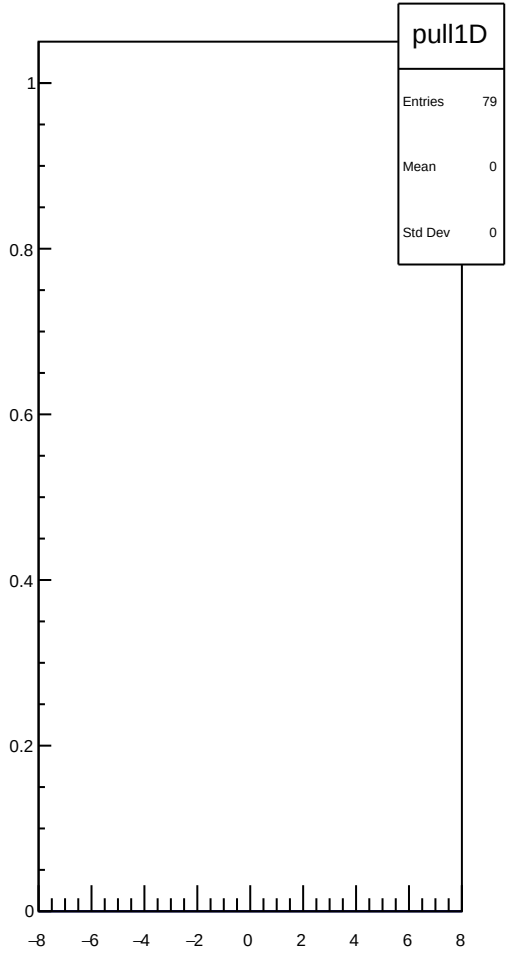

pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

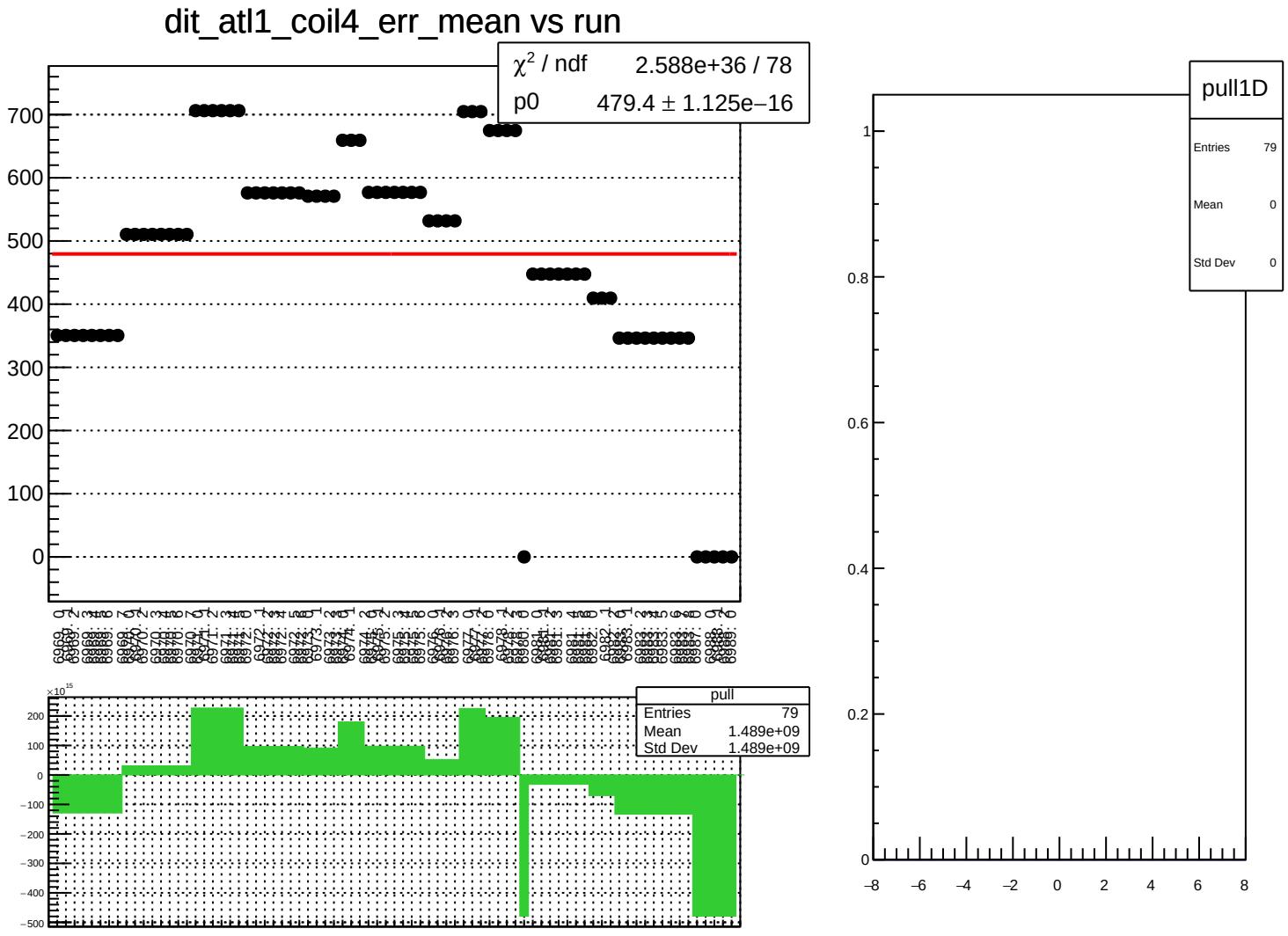

dit_usr_coil4_err_mean vs run
χ² / ndf 6.203e+36 / 78
p0 673.3 ± 1.125e−16
1200
1000
800
600
400
200
0
pull
Entries 79
Mean −3.92e+09
Std Dev 3.92e+09
×10¹⁵
400
200
0
−200
−400
−600


pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

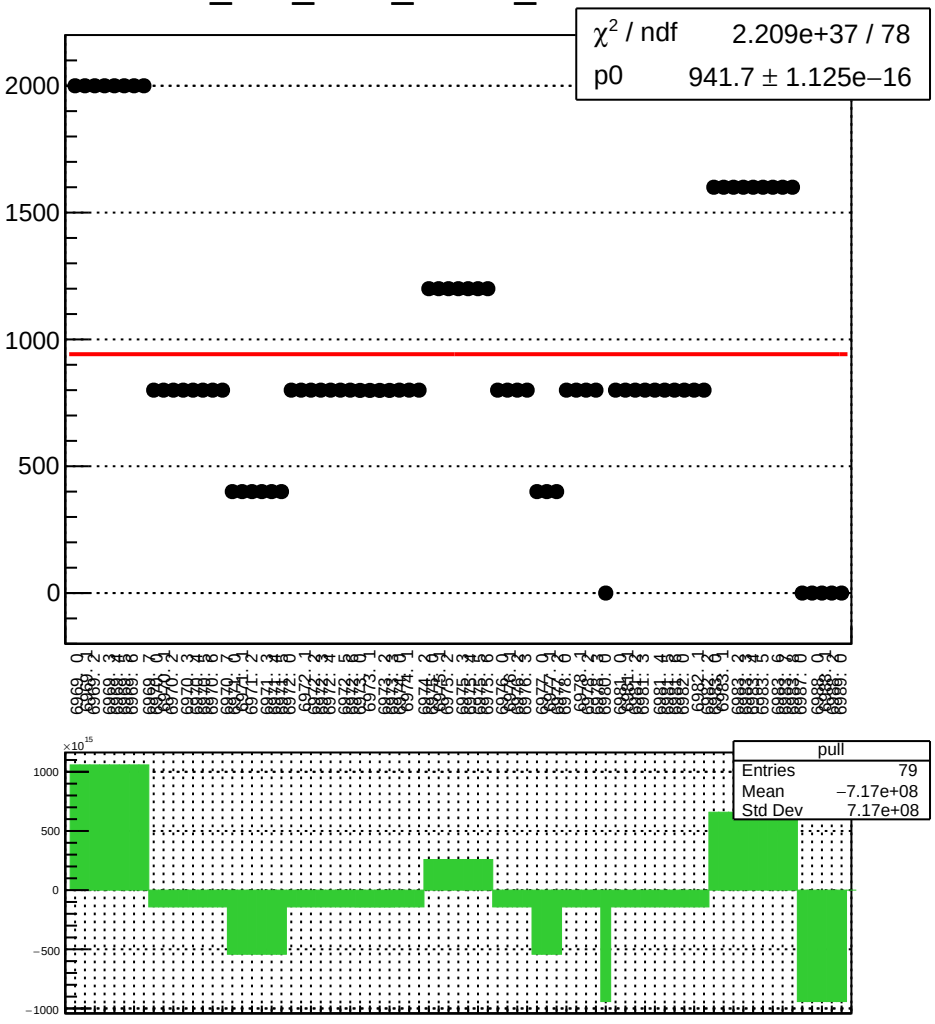

dit_usr_coil4_Ndata_mean vs run
χ² / ndf 2.209e+37 / 78
p0 941.7 ± 1.125e−16
2000
1500
1000
500
0
pull
Entries 79
Mean −7.17e+08
Std Dev 7.17e+08
×10¹⁵
1000
500
0
−500
−1000
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

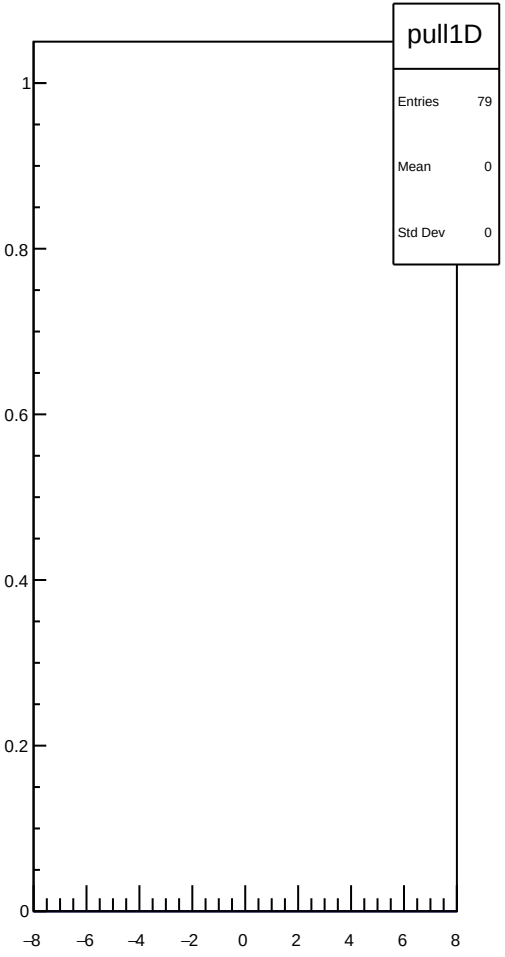

dit_atl1_coil4_mean vs run
χ^2 / ndf 4.909e+37 / 78
p0 −924.4 ± 1.125e−16
500
0
−500
−1000
−1500
−2000
pull
Entries 79
Mean 3.871e+08
Std Dev 3.871e+08
1000
500
0
−500
−1000

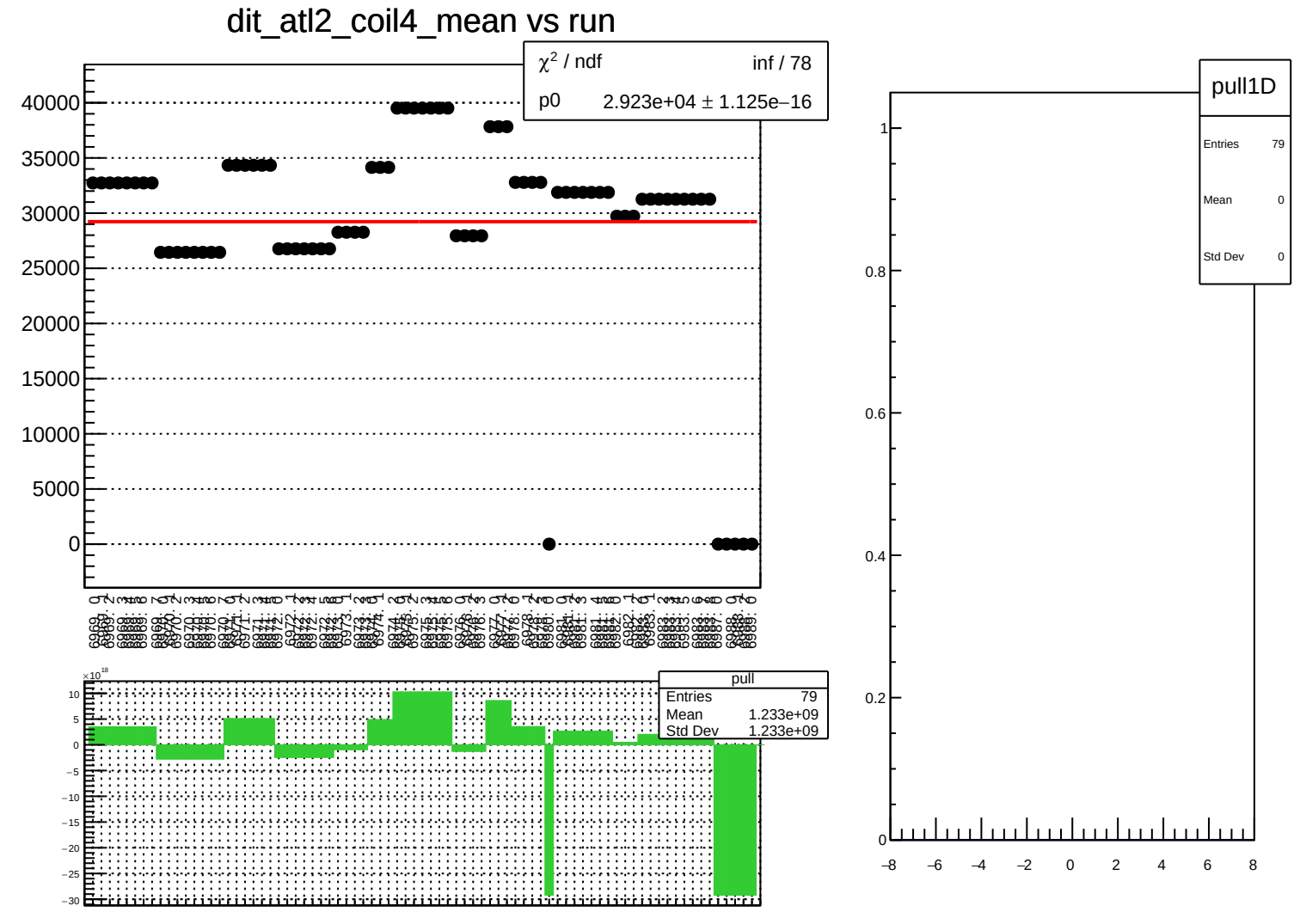

pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

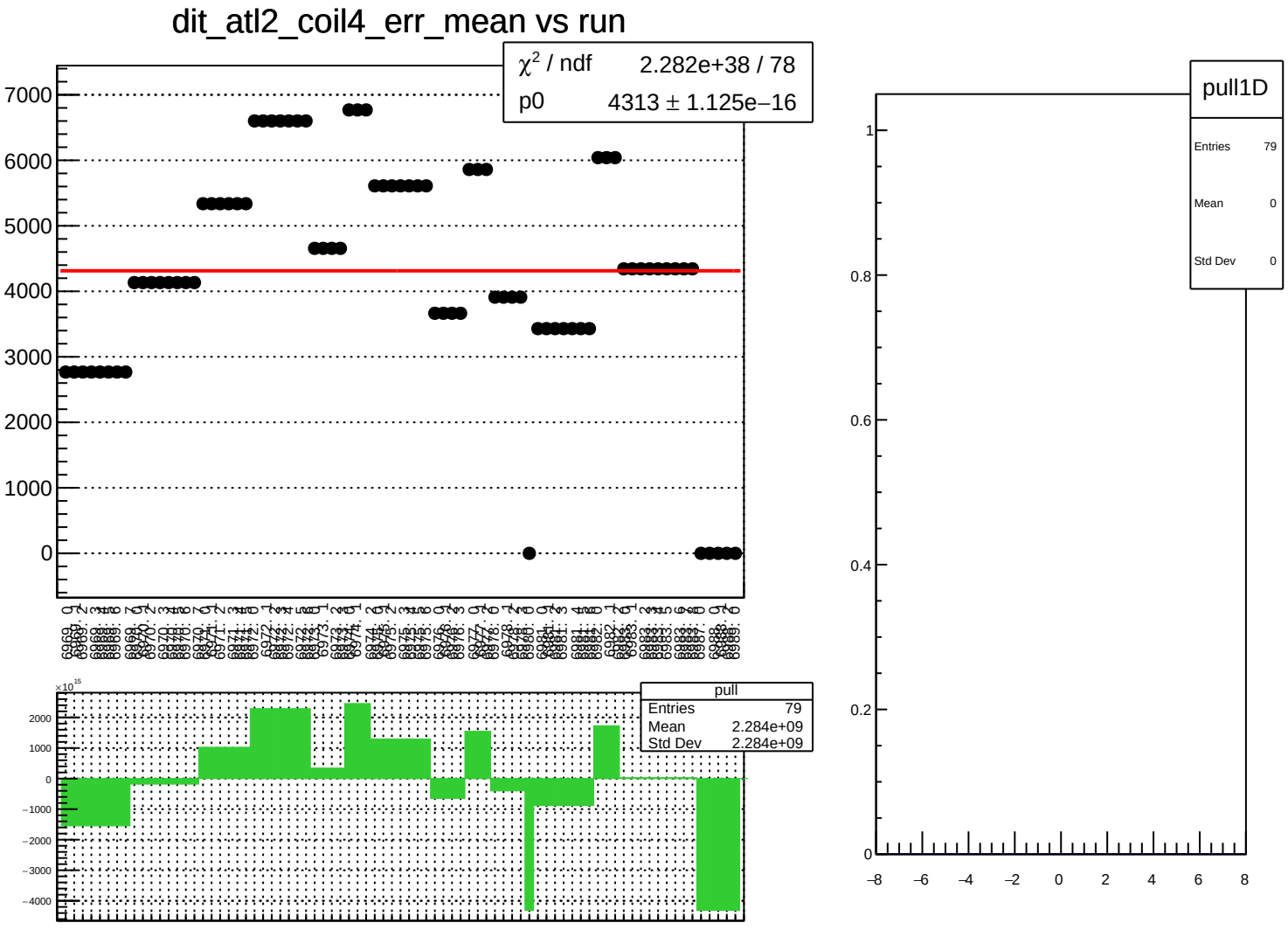

dit_atl1_coil4_err_mean vs run
χ² / ndf 2.588e+36 / 78
p0 479.4 ± 1.125e−16
pull
Entries 79
Mean 1.489e+09
Std Dev 1.489e+09
pull1D
Entries 79
Mean 0
Std Dev 0

dit_atl1_coil4_Ndata_mean vs run

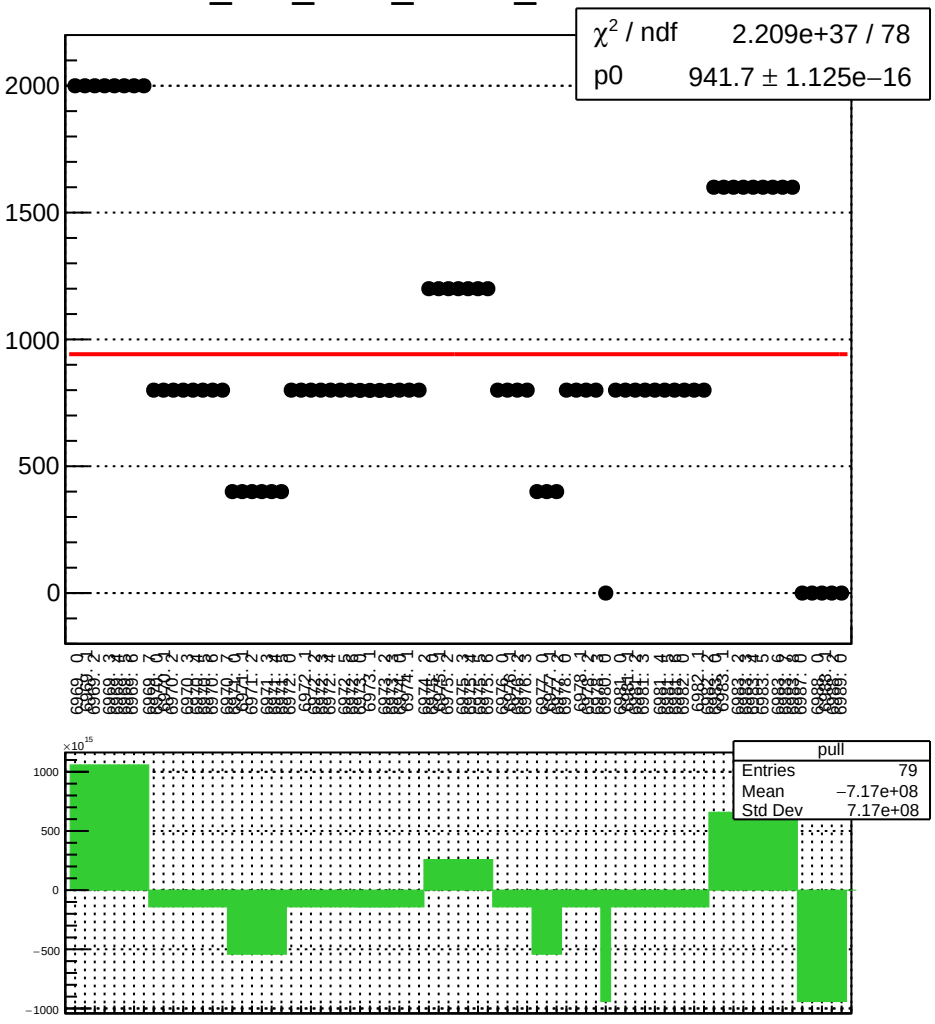


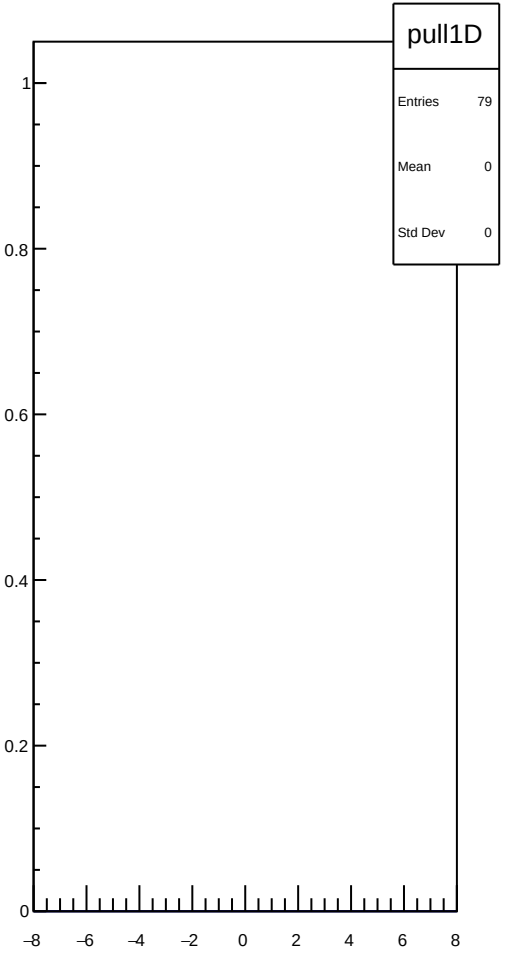


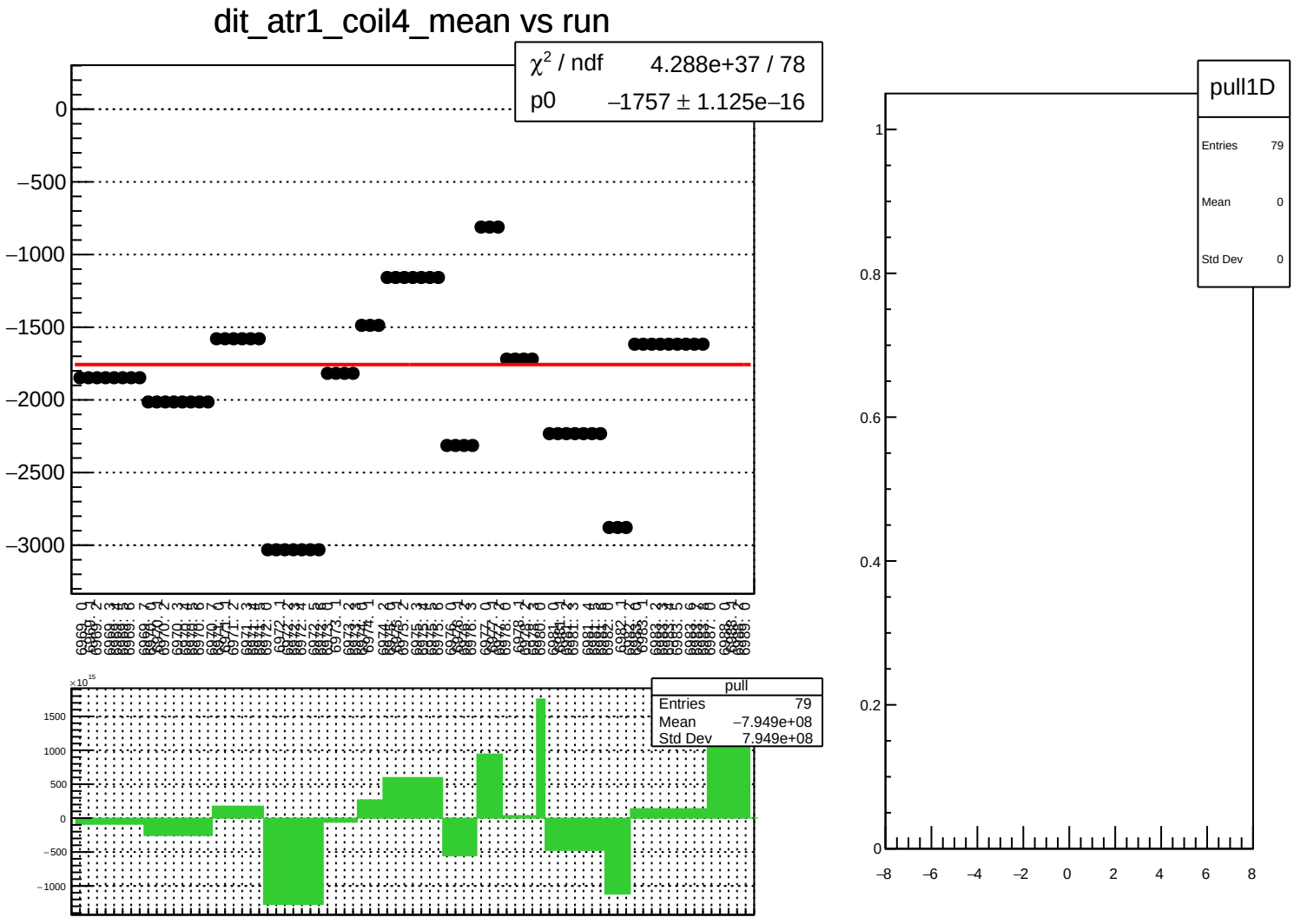

dit_atl2_coil4_mean vs run
χ² / ndf inf / 78
p0 2.923e+04 ± 1.125e−16
pull
Entries 79
Mean 1.233e+09
Std Dev 1.233e+09
pull1D
Entries 79
Mean 0
Std Dev 0

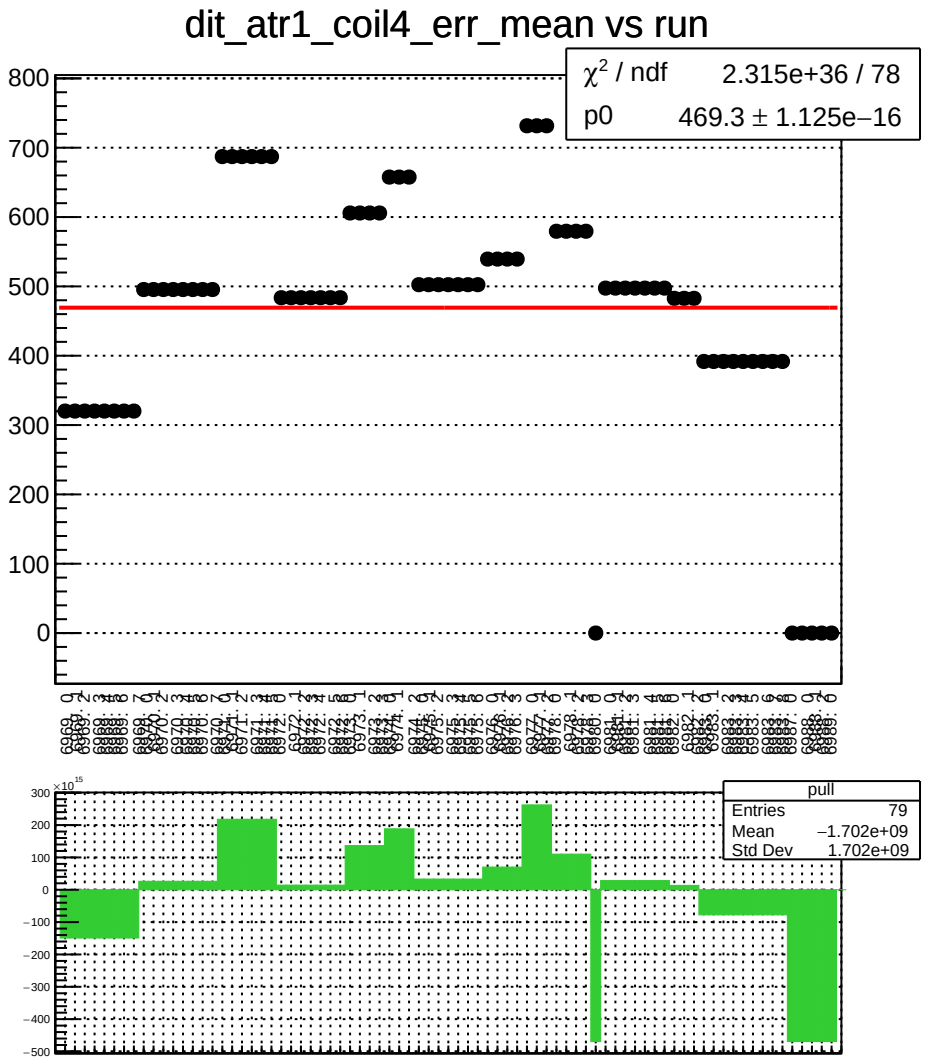

dit_atl2_coil4_err_mean vs run
χ² / ndf 2.282e+38 / 78
p0 4313 ± 1.125e−16
pull
Entries 79
Mean 2.284e+09
Std Dev 2.284e+09
pull1D
Entries 79
Mean 0
Std Dev 0

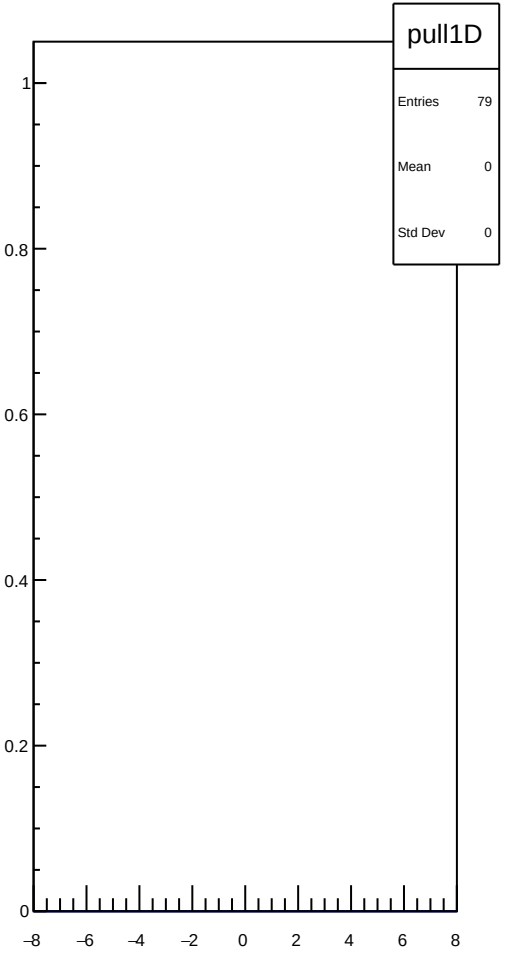
dit_atl2_coil4_Ndata_mean vs run

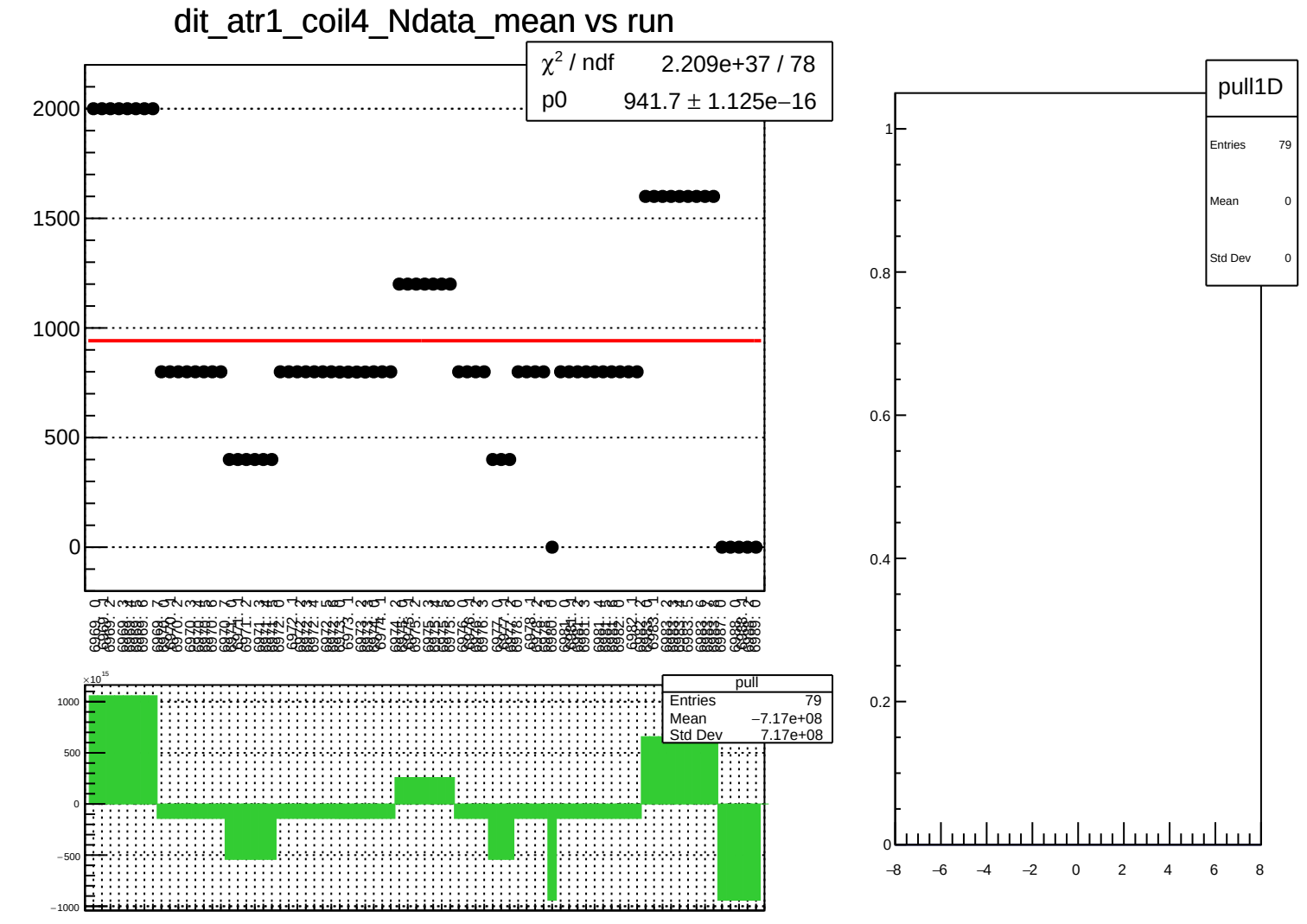


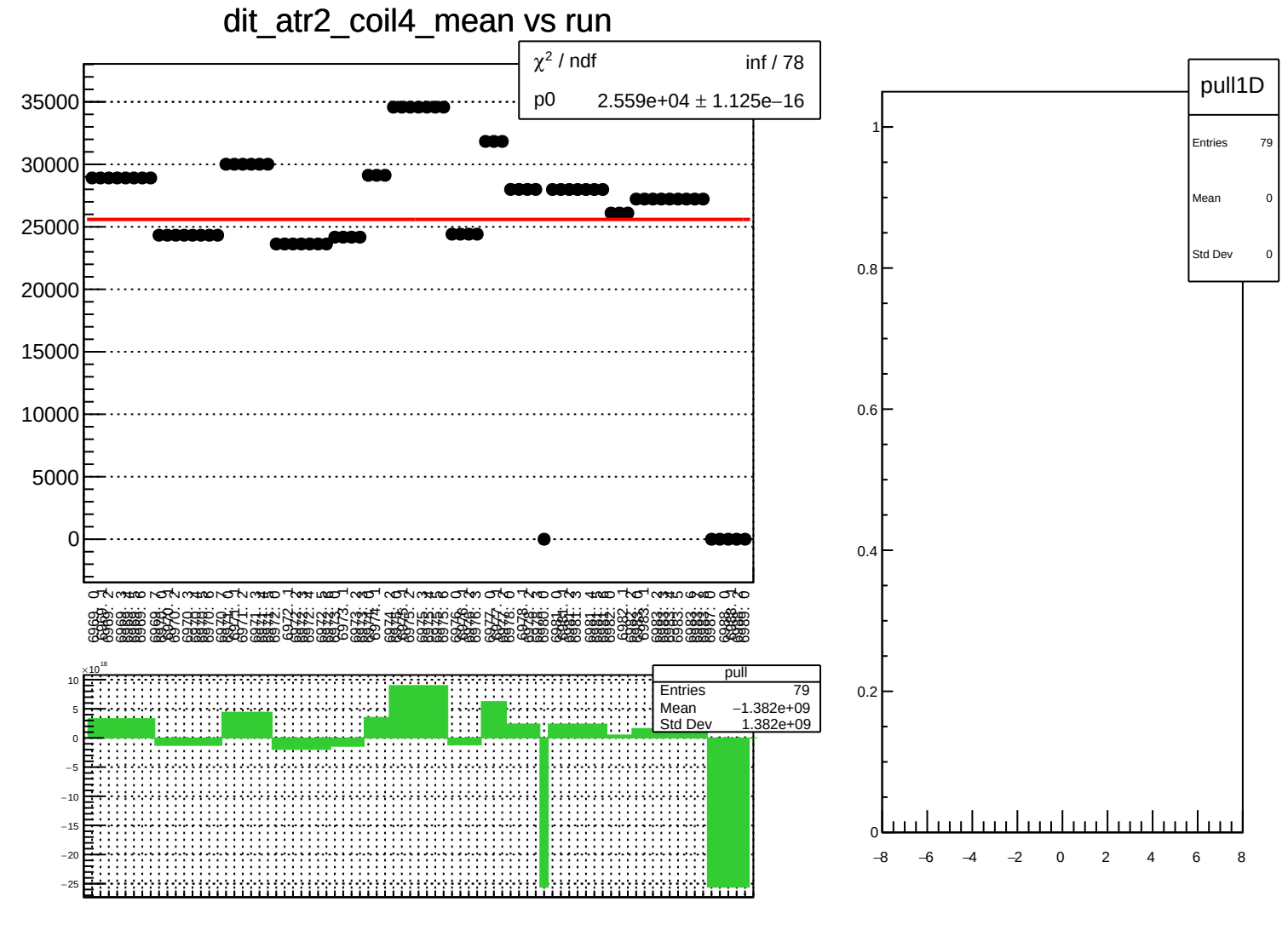



dit_atr1_coil4_mean vs run
χ² / ndf 4.288e+37 / 78
p0 –1757 ± 1.125e–16
0
–500
–1000
–1500
–2000
–2500
–3000
pull
Entries 79
Mean –7.949e+08
Std Dev 7.949e+08
×10¹⁵
1500
1000
500
0
–500
–1000
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

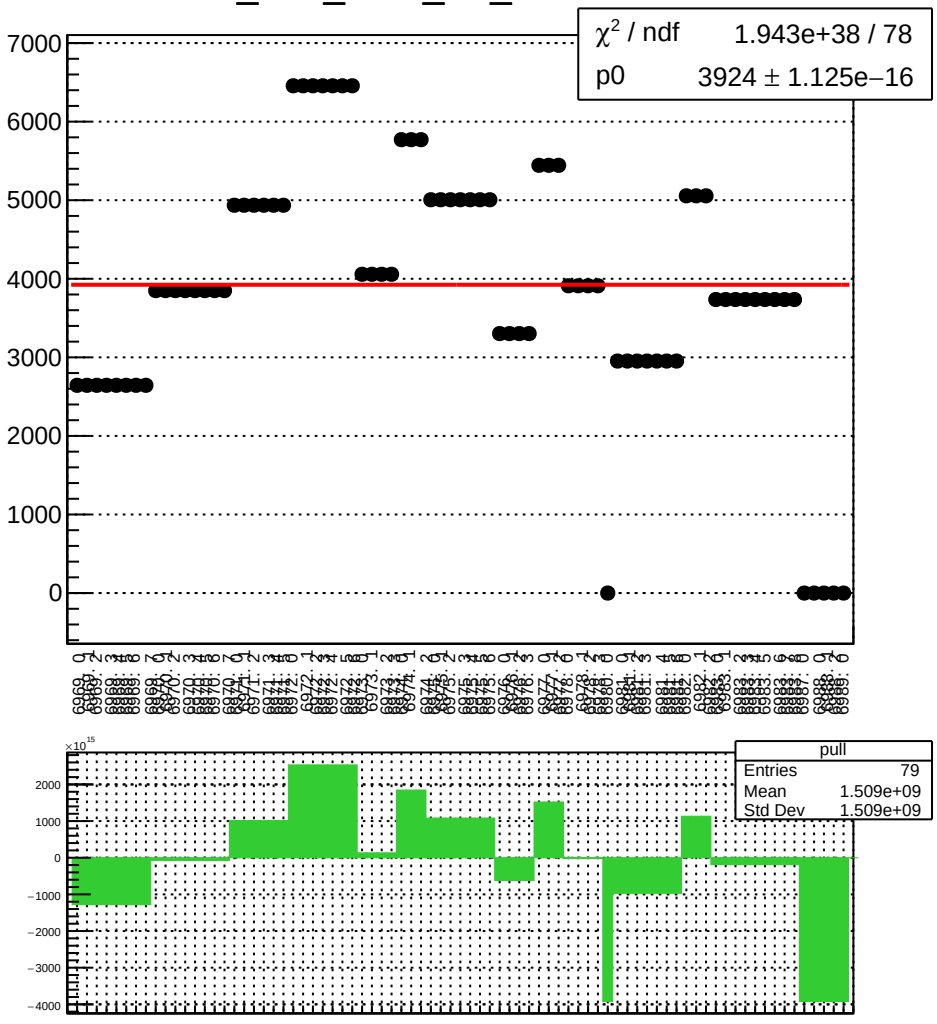

dit_atr1_coil4_err_mean vs run
χ^2 / ndf 2.315e+36 / 78
p0 469.3 ± 1.125e−16
pull
Entries 79
Mean −1.702e+09
Std Dev 1.702e+09

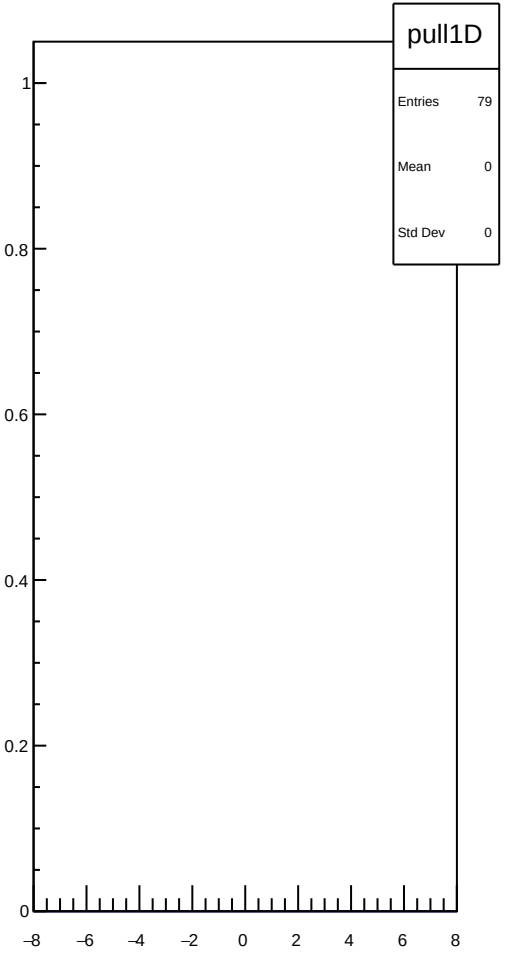

pull1D
Entries 79
Mean 0
Std Dev 0


dit_atr1_coil4_Ndata_mean vs run
χ² / ndf 2.209e+37 / 78
p0 941.7 ± 1.125e−16
2000
1500
1000
500
0
pull
Entries 79
Mean −7.17e+08
Std Dev 7.17e+08
×10¹⁵
1000
500
0
−500
−1000
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

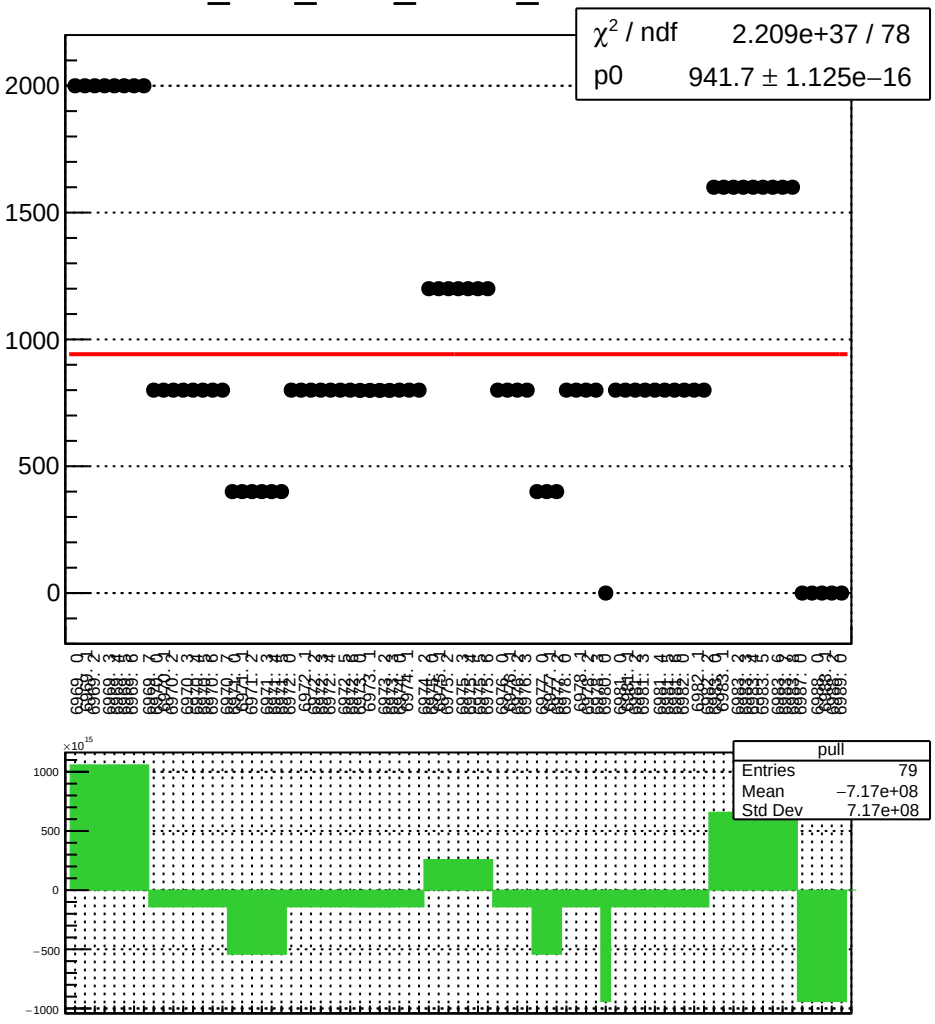

dit_atr2_coil4_mean vs run
χ² / ndf inf / 78
p0 2.559e+04 ± 1.125e−16
35000
30000
25000
20000
15000
10000
5000
0
pull
Entries 79
Mean −1.382e+09
Std Dev 1.382e+09
×10¹⁸
10
5
0
−5
−10
−15
−20
−25
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

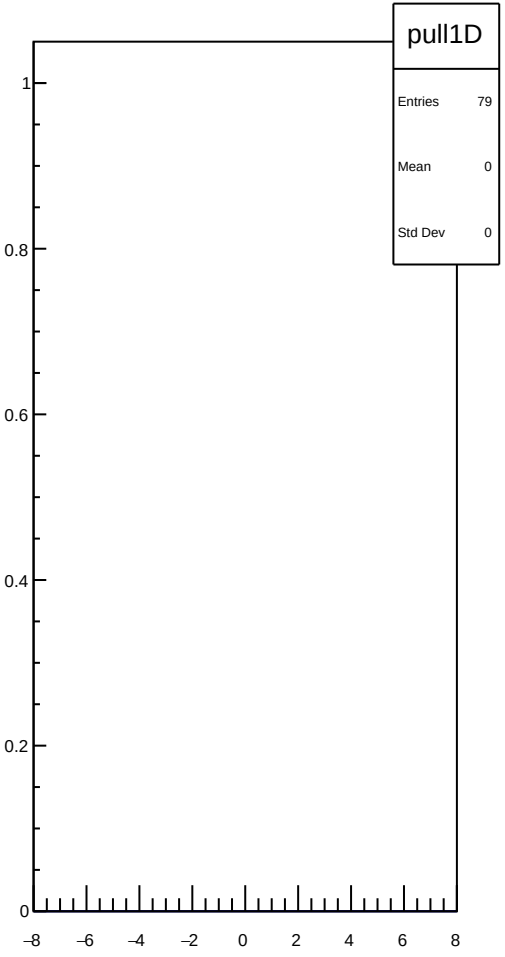
dit_atr2_coil4_err_mean vs run

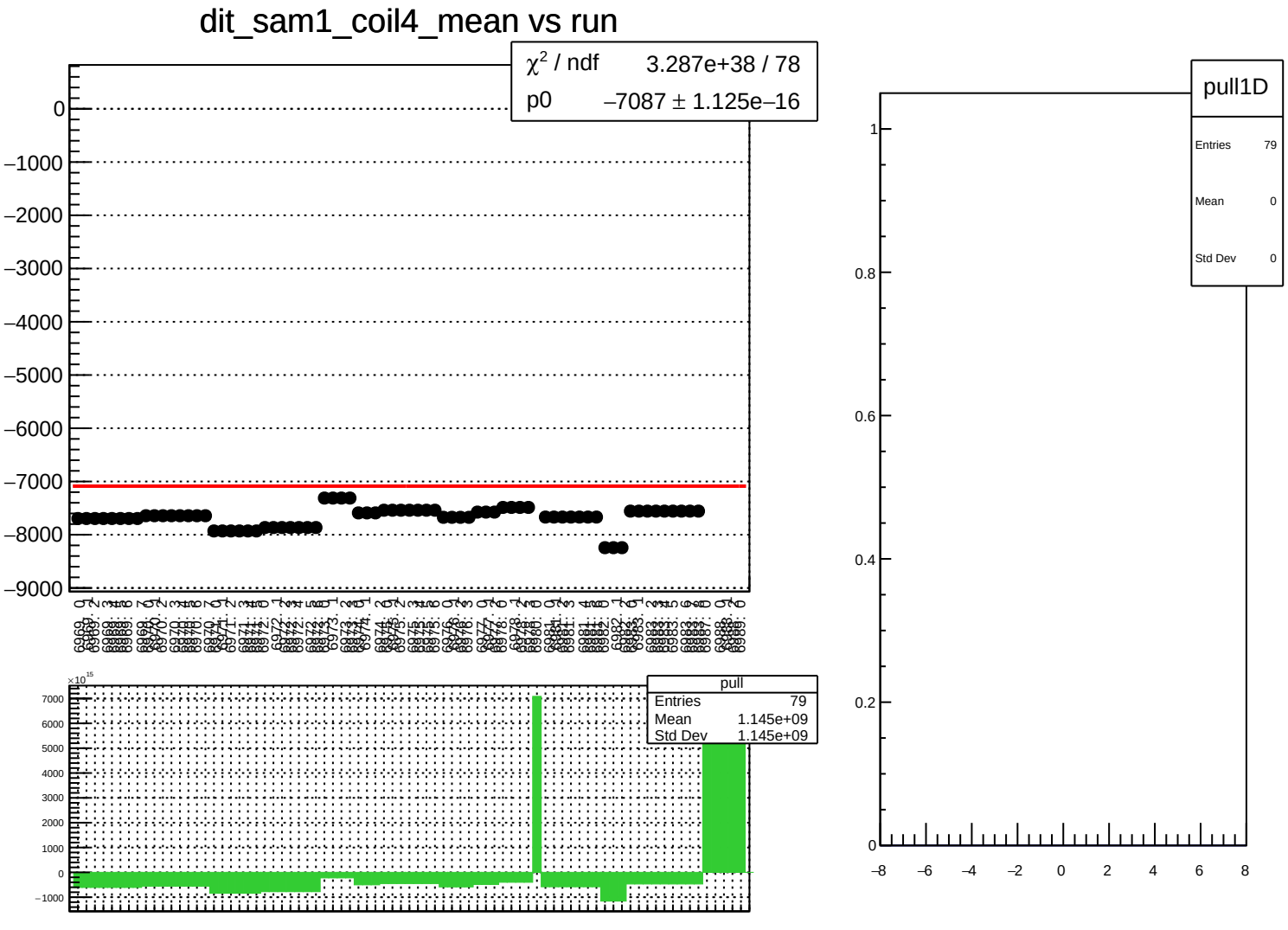


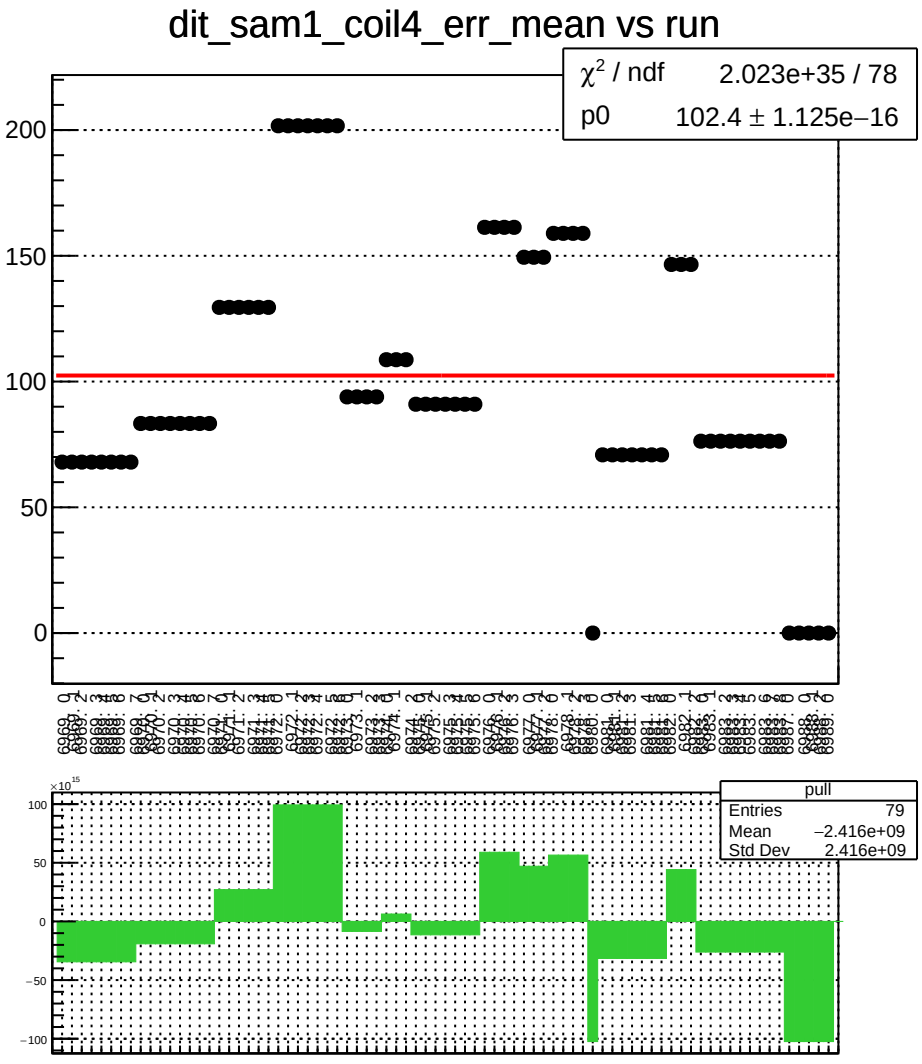


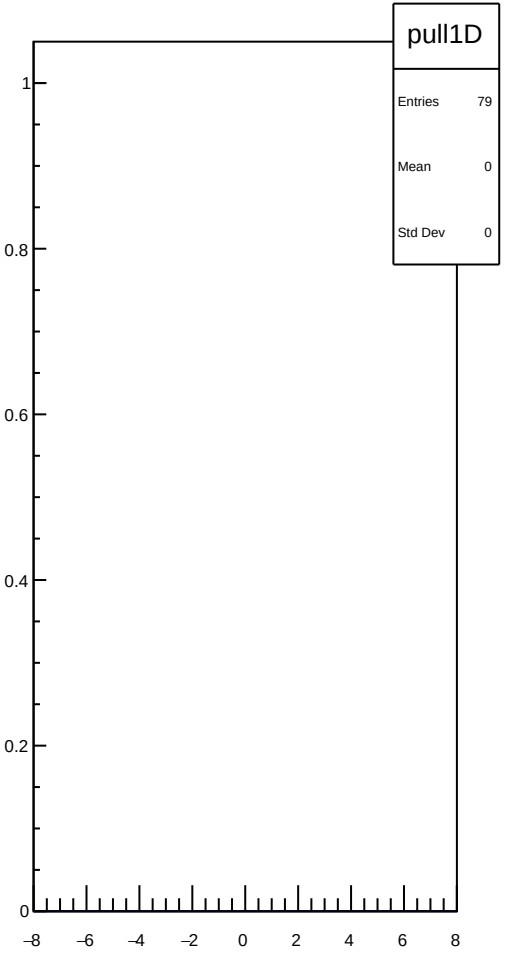
dit_atr2_coil4_Ndata_mean vs run

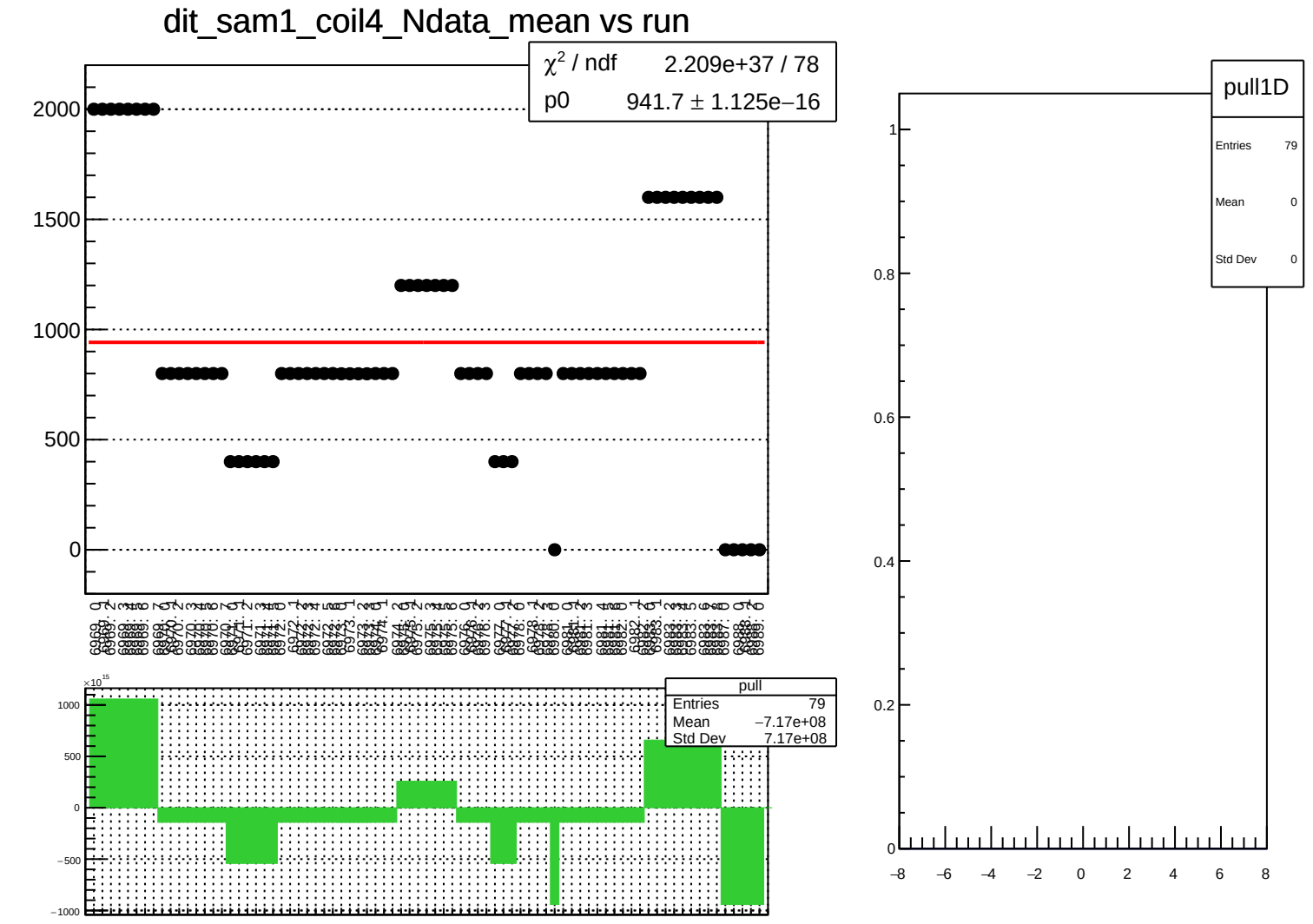


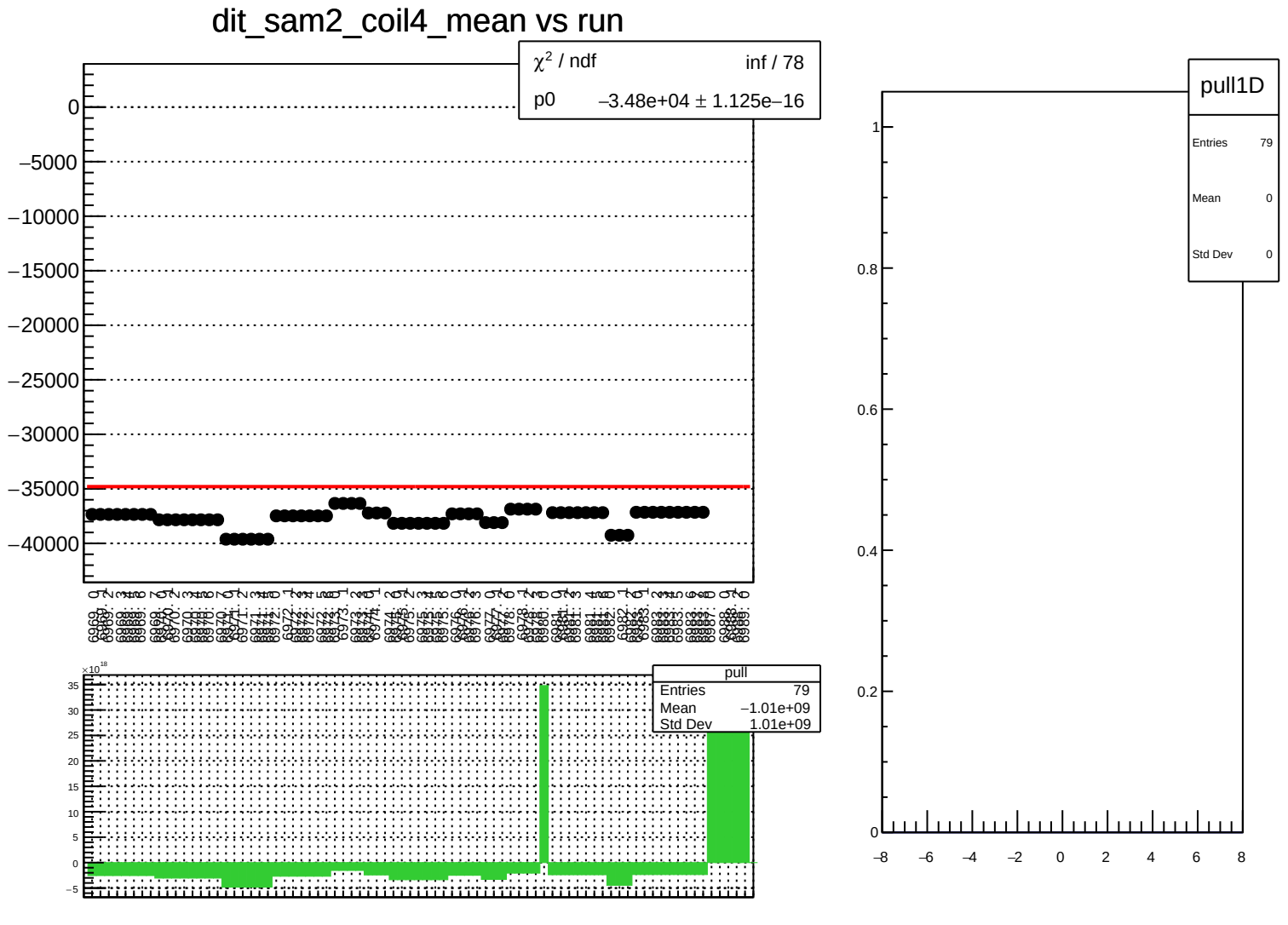


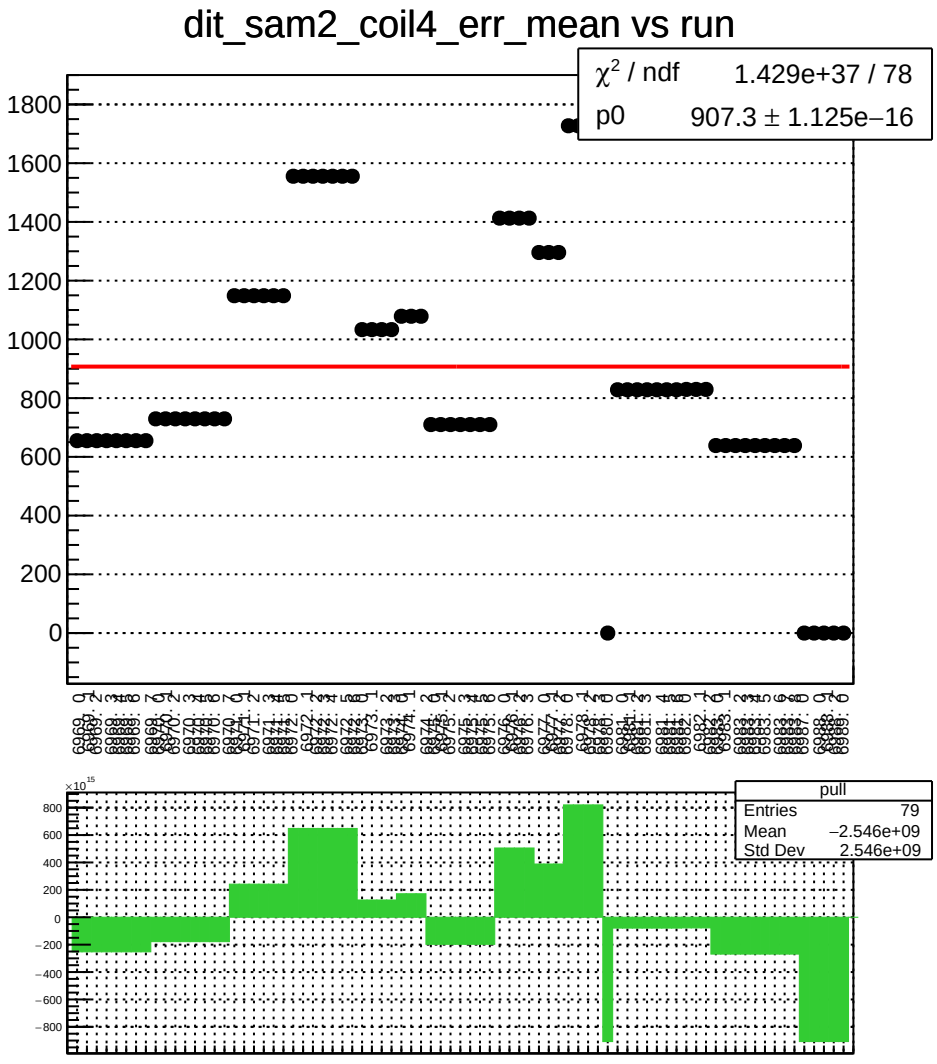

dit_sam1_coil4_mean vs run
χ² / ndf 3.287e+38 / 78
p0 −7087 ± 1.125e−16
pull
Entries 79
Mean 1.145e+09
Std Dev 1.145e+09
pull1D
Entries 79
Mean 0
Std Dev 0

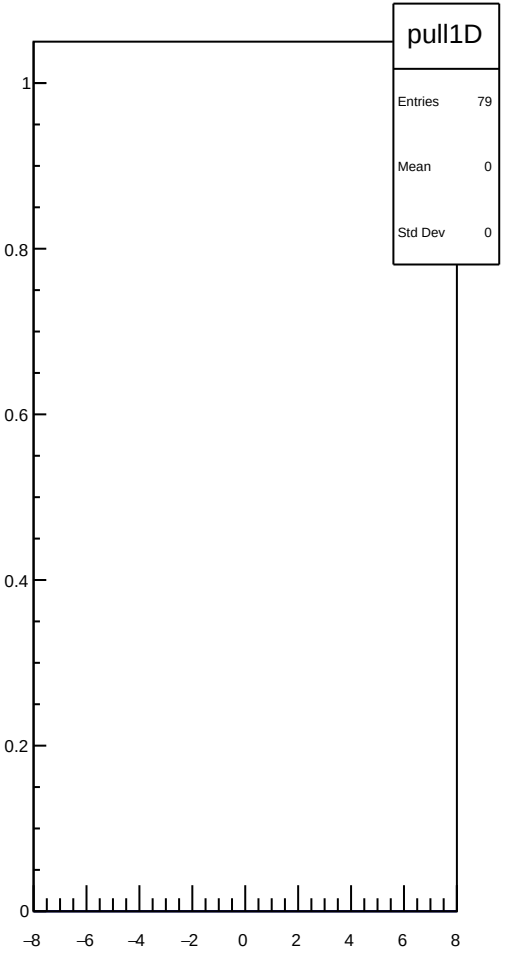

dit_sam1_coil4_err_mean vs run
χ² / ndf 2.023e+35 / 78
p0 102.4 ± 1.125e−16
pull
Entries 79
Mean −2.416e+09
Std Dev 2.416e+09

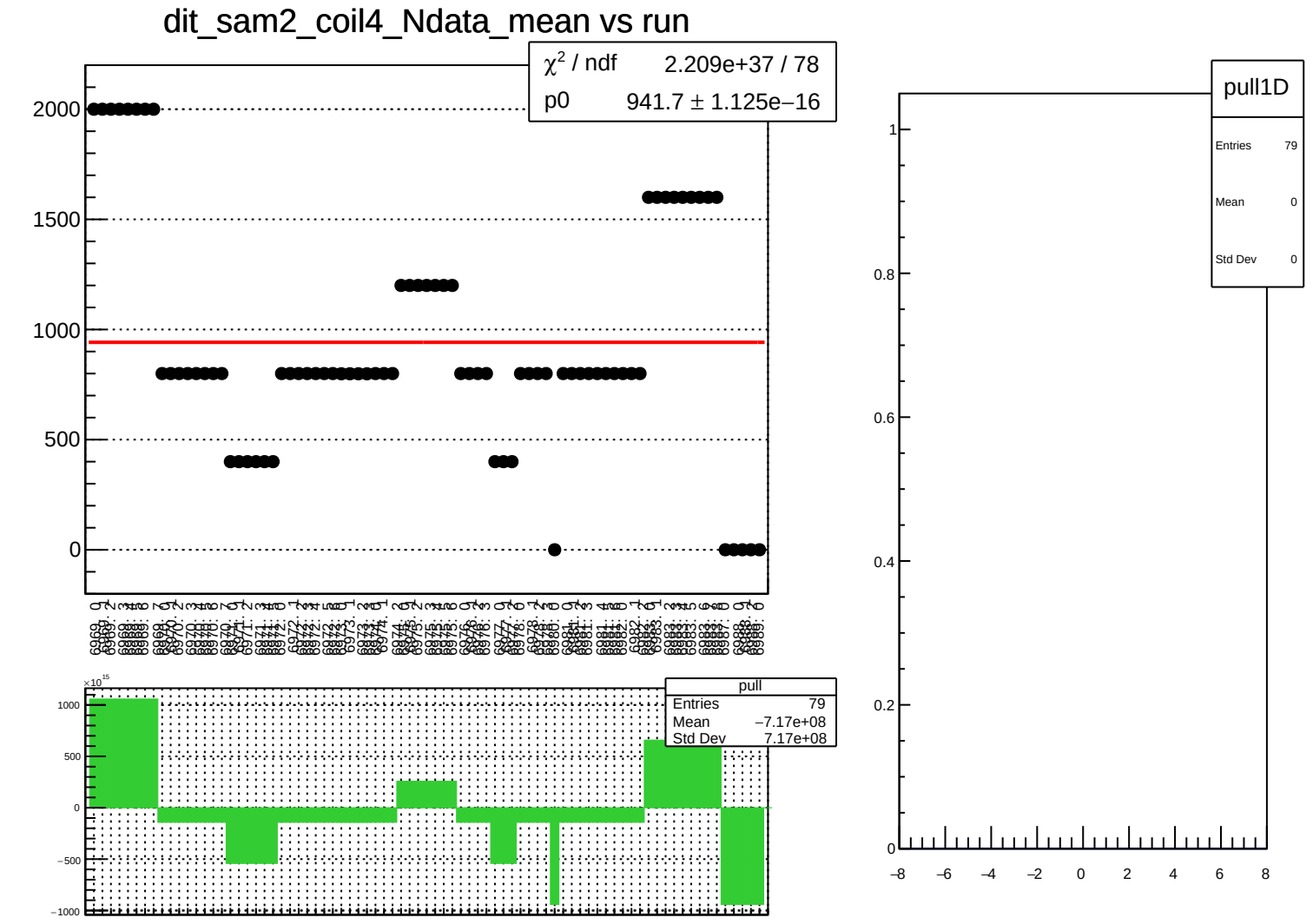

pull1D
Entries 79
Mean 0
Std Dev 0

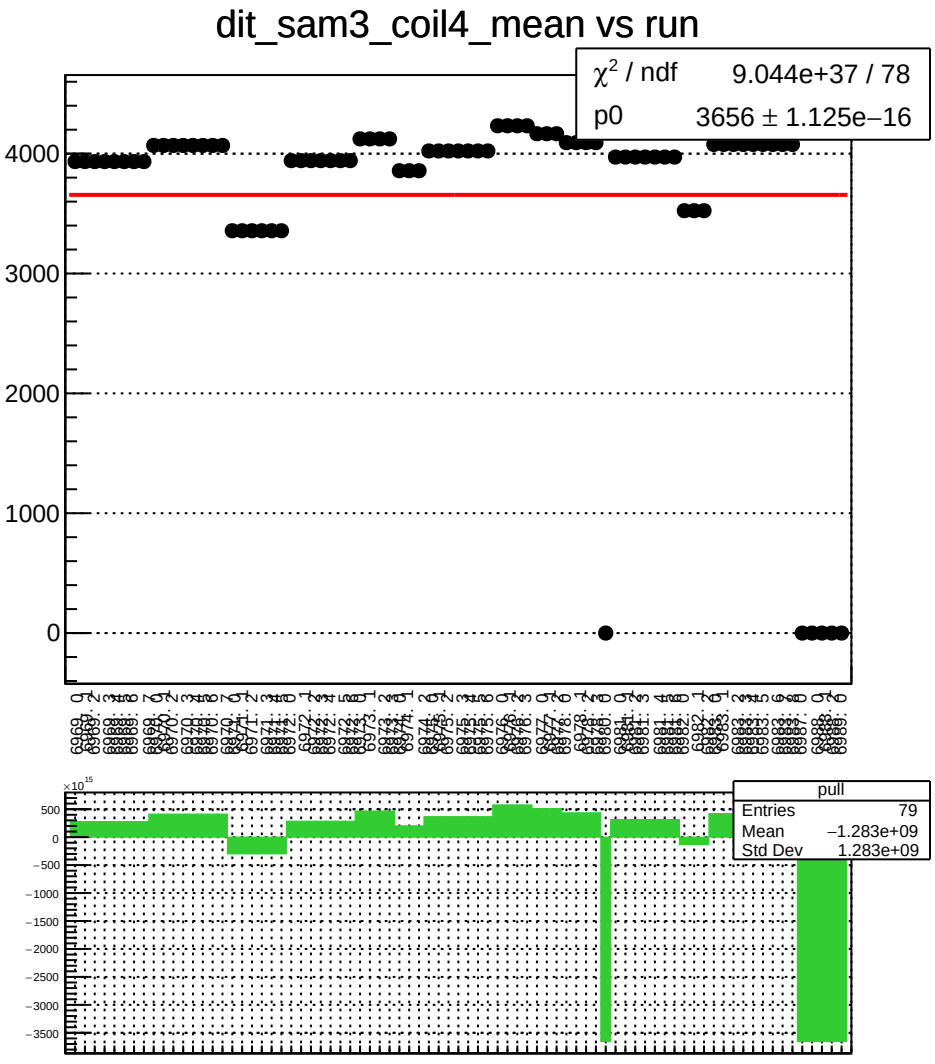

dit_sam1_coil4_Ndata_mean vs run
χ² / ndf 2.209e+37 / 78
p0 941.7 ± 1.125e−16
2000
1500
1000
500
0
pull
Entries 79
Mean −7.17e+08
Std Dev 7.17e+08
×10¹⁵
1000
500
0
−500
−1000
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

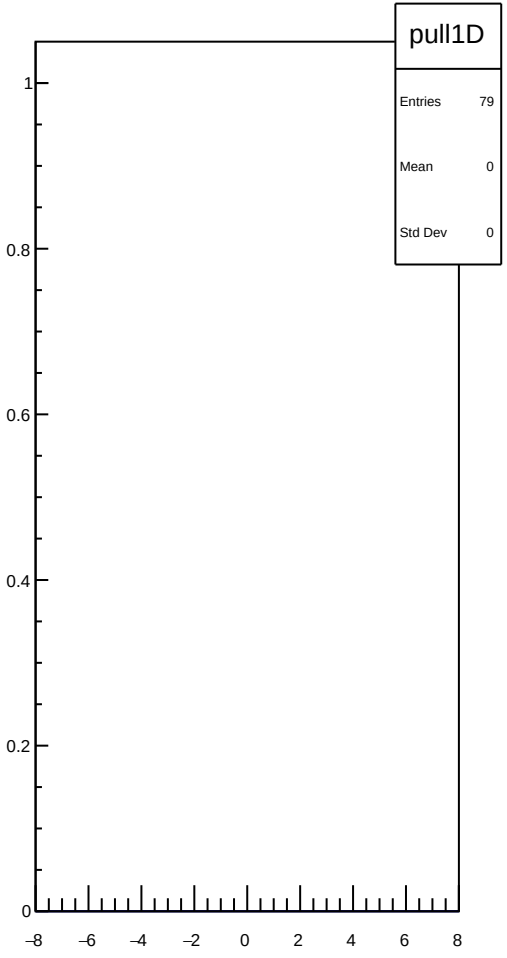

dit_sam2_coil4_mean vs run
χ² / ndf inf / 78
p0 −3.48e+04 ± 1.125e−16
pull
Entries 79
Mean −1.01e+09
Std Dev 1.01e+09
pull1D
Entries 79
Mean 0
Std Dev 0

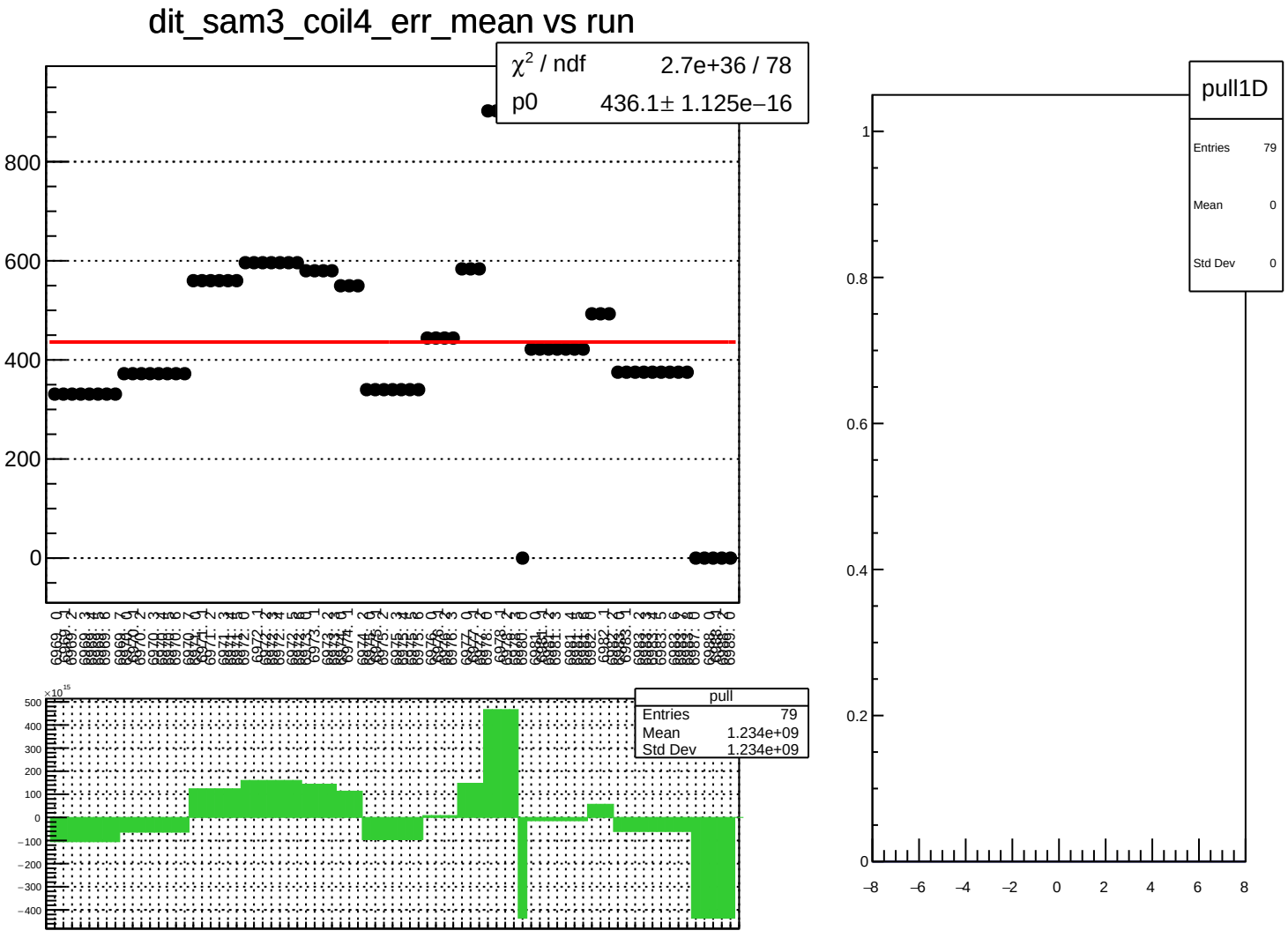

dit_sam2_coil4_err_mean vs run
χ² / ndf 1.429e+37 / 78
p0 907.3 ± 1.125e−16
pull
Entries 79
Mean −2.546e+09
Std Dev 2.546e+09


pull1D
Entries 79
Mean 0
Std Dev 0

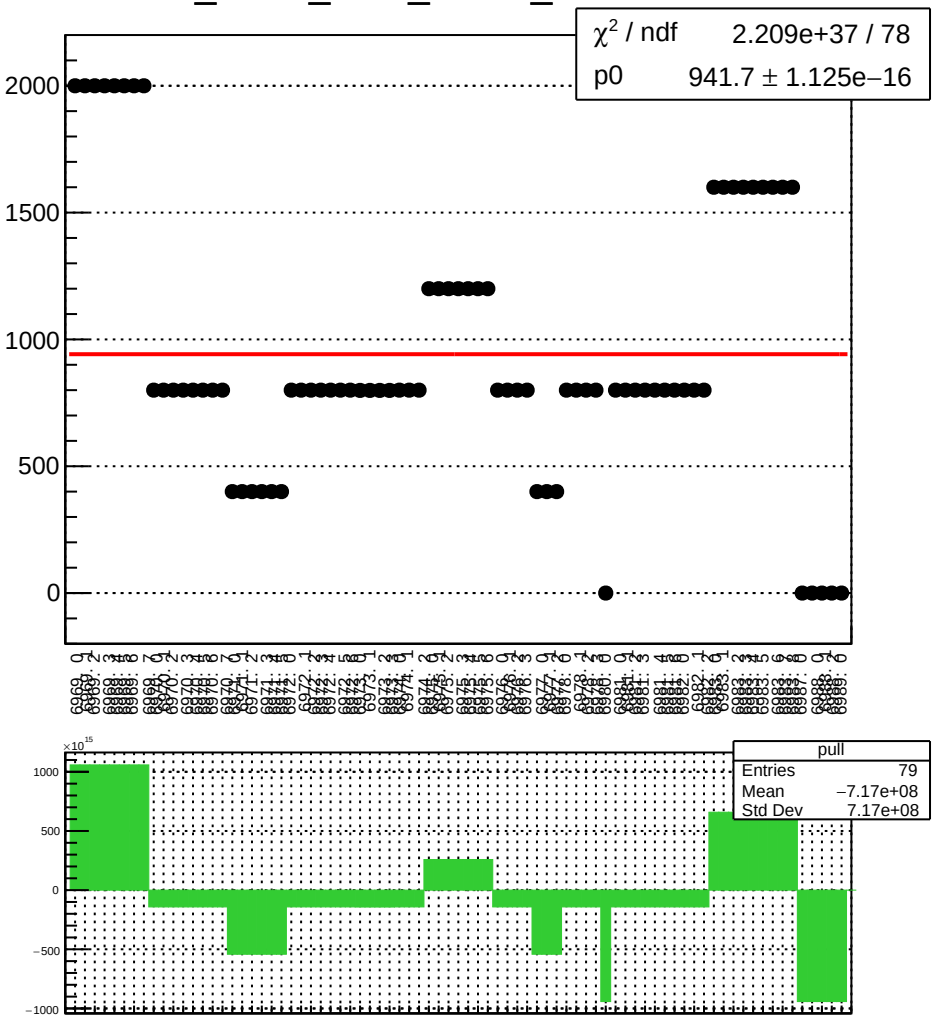

dit_sam2_coil4_Ndata_mean vs run
χ² / ndf 2.209e+37 / 78
p0 941.7 ± 1.125e−16
2000
1500
1000
500
0
pull
Entries 79
Mean −7.17e+08
Std Dev 7.17e+08
×10¹⁵
1000
500
0
−500
−1000
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

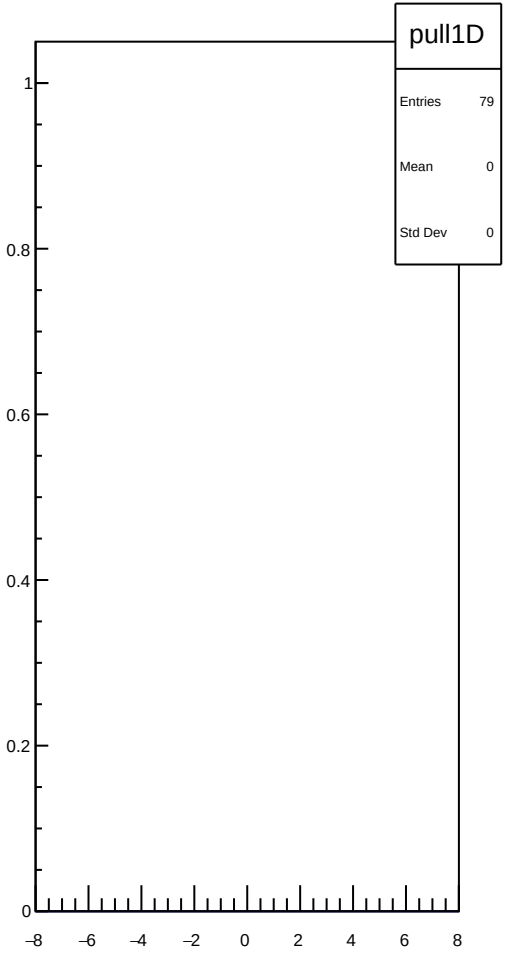

dit_sam3_coil4_mean vs run
χ² / ndf 9.044e+37 / 78
p0 3656 ± 1.125e−16
4000
3000
2000
1000
0
pull
Entries 79
Mean −1.283e+09
Std Dev 1.283e+09
×10¹⁵
500
0
−500
−1000
−1500
−2000
−2500
−3000
−3500

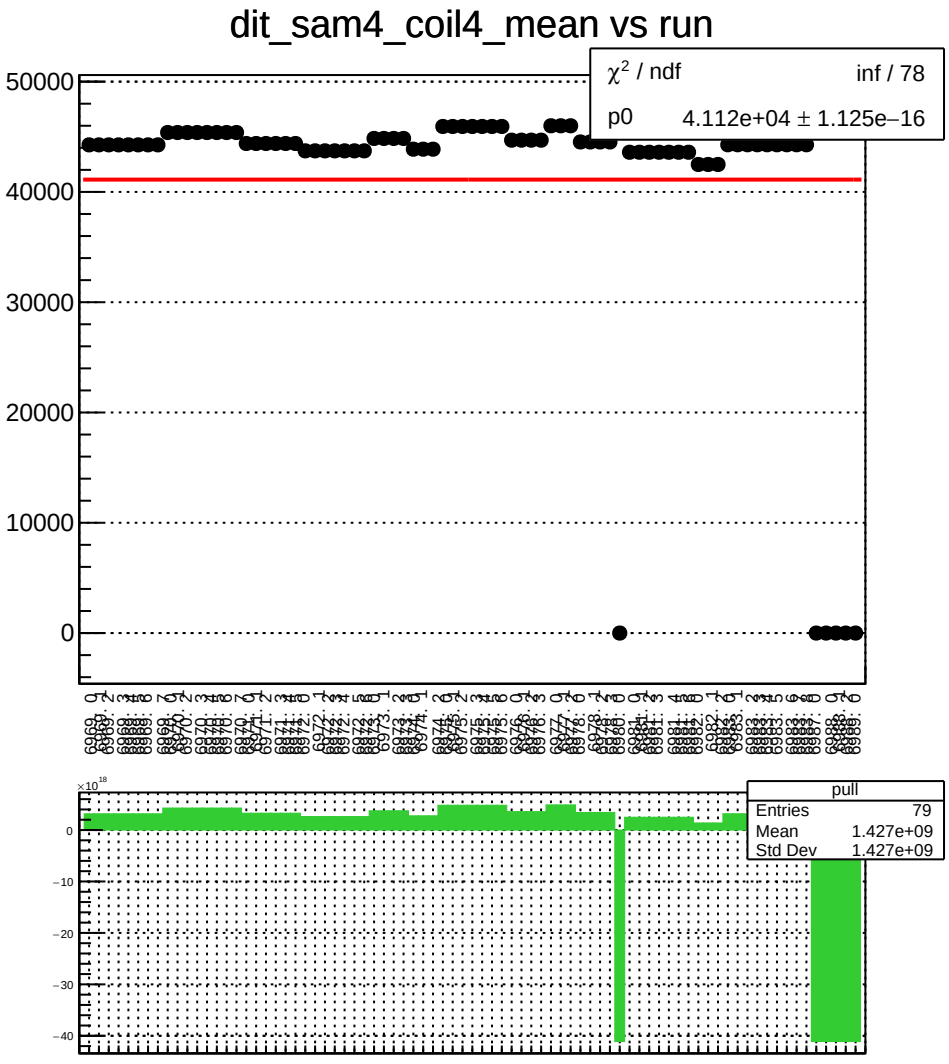

pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

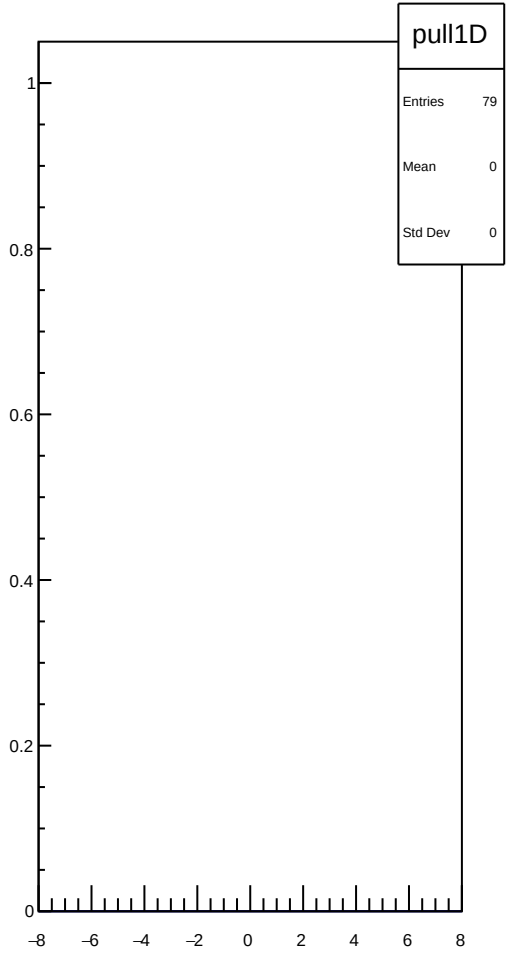

dit_sam3_coil4_err_mean vs run
χ² / ndf 2.7e+36 / 78
p0 436.1± 1.125e−16
800
600
400
200
0
pull
Entries 79
Mean 1.234e+09
Std Dev 1.234e+09
×10¹⁵
500
400
300
200
100
0
−100
−200
−300
−400
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

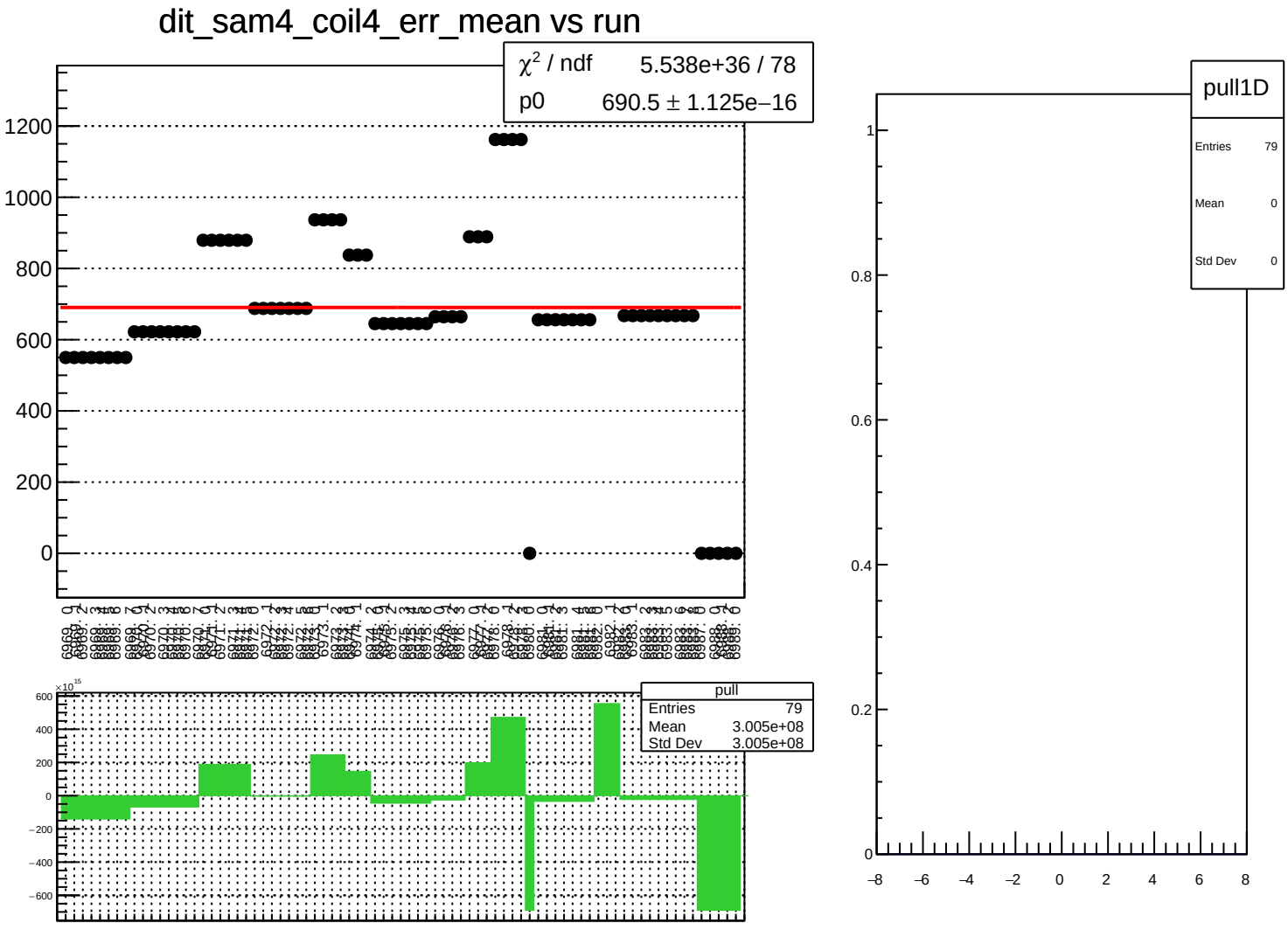
dit_sam3_coil4_Ndata_mean vs run

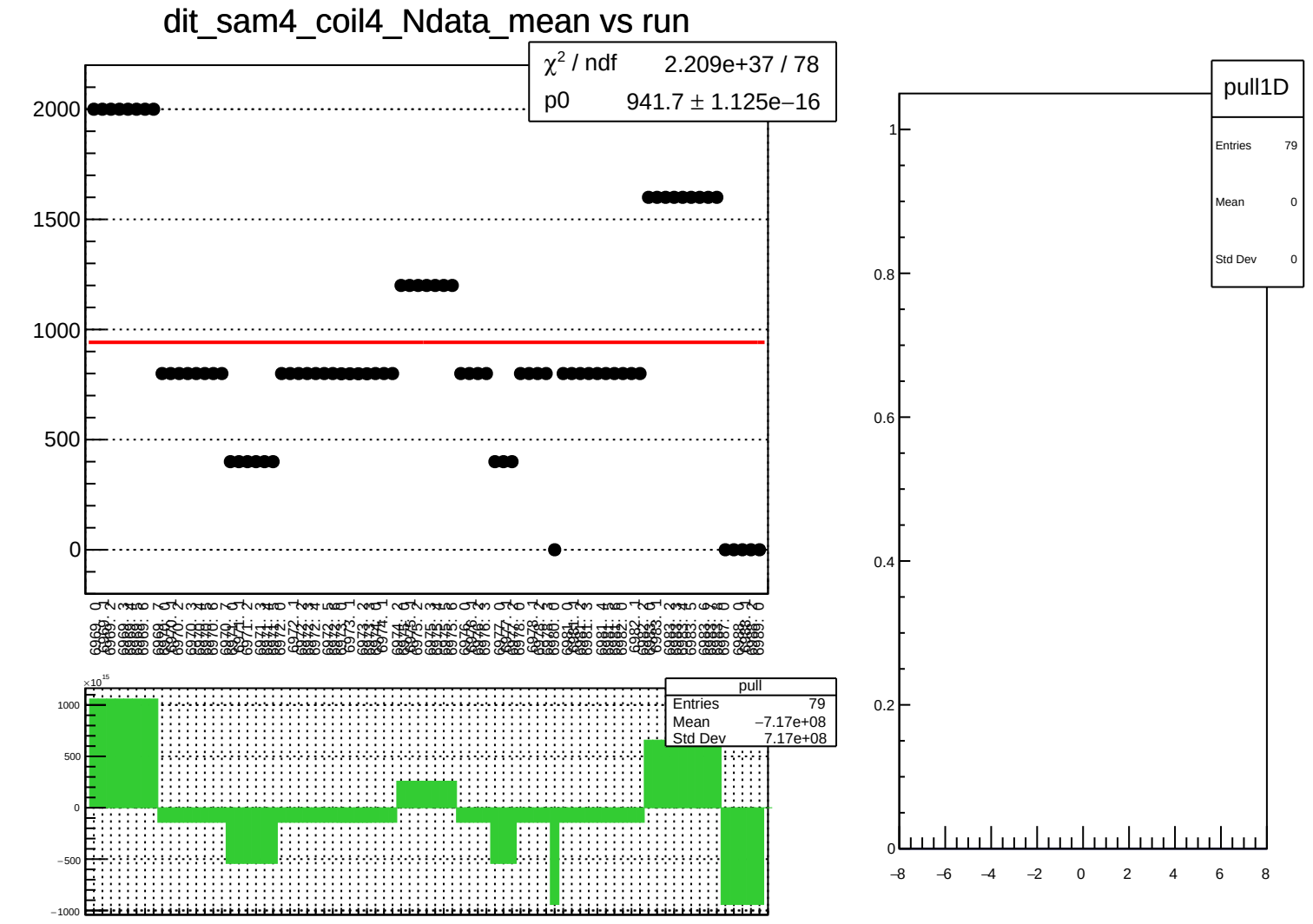


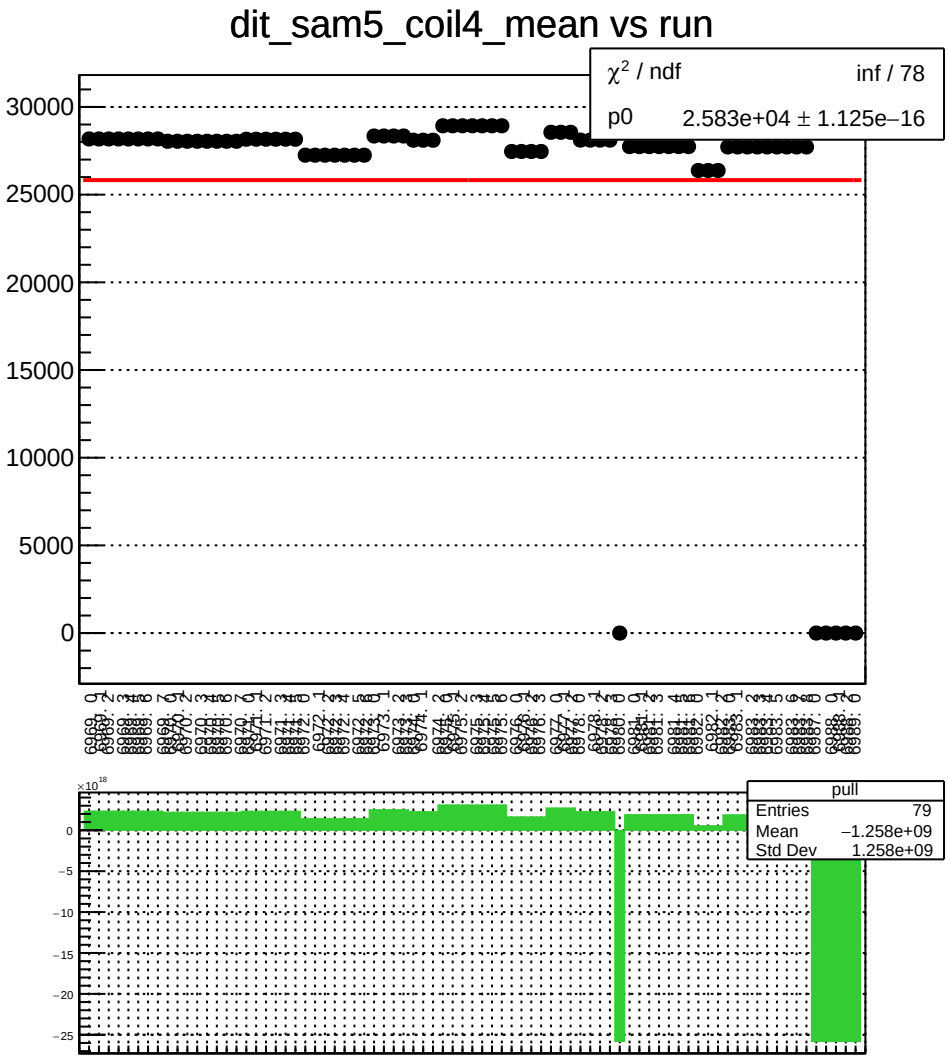


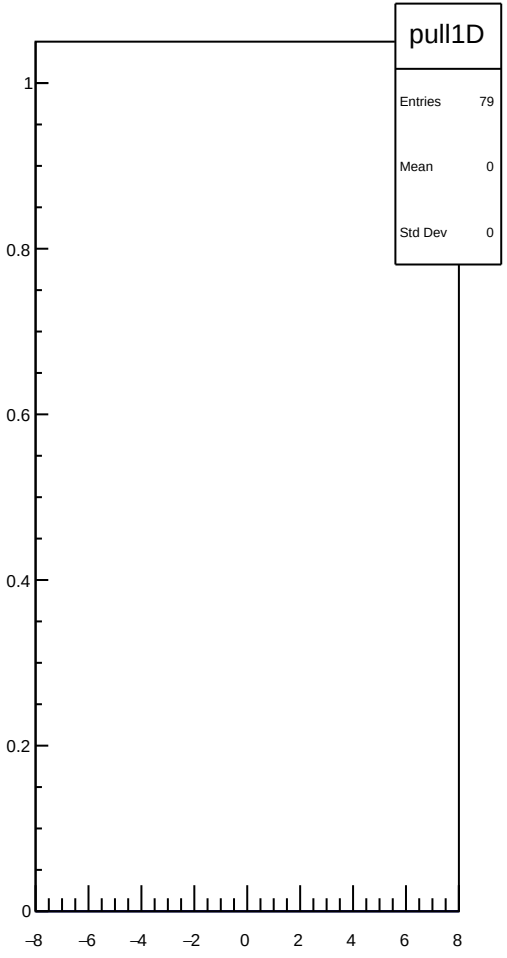

dit_sam4_coil4_mean vs run
χ² / ndf inf / 78
p0 4.112e+04 ± 1.125e−16
50000
40000
30000
20000
10000
0
pull
Entries 79
Mean 1.427e+09
Std Dev 1.427e+09
×10¹⁸
0
−10
−20
−30
−40

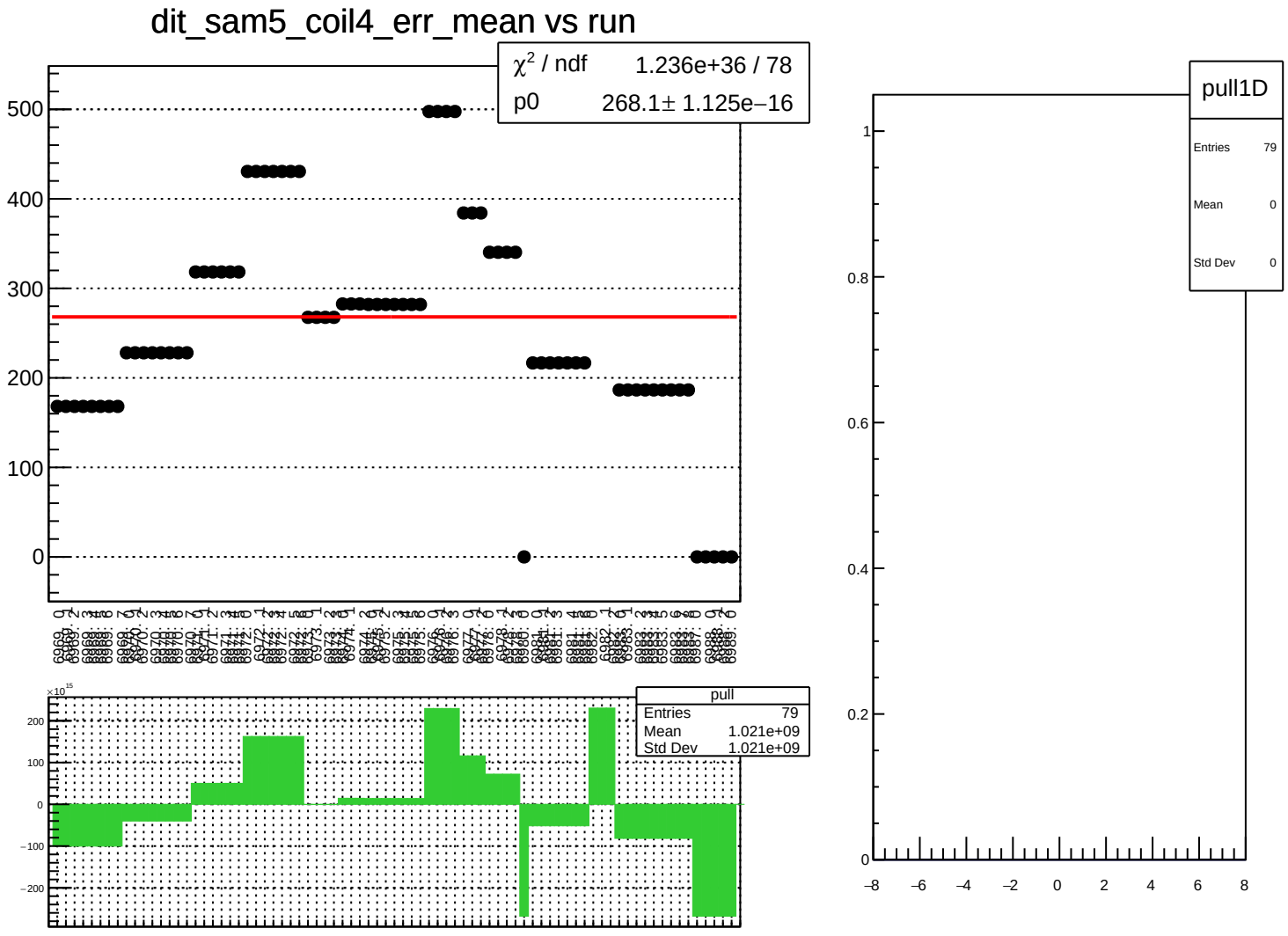

pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

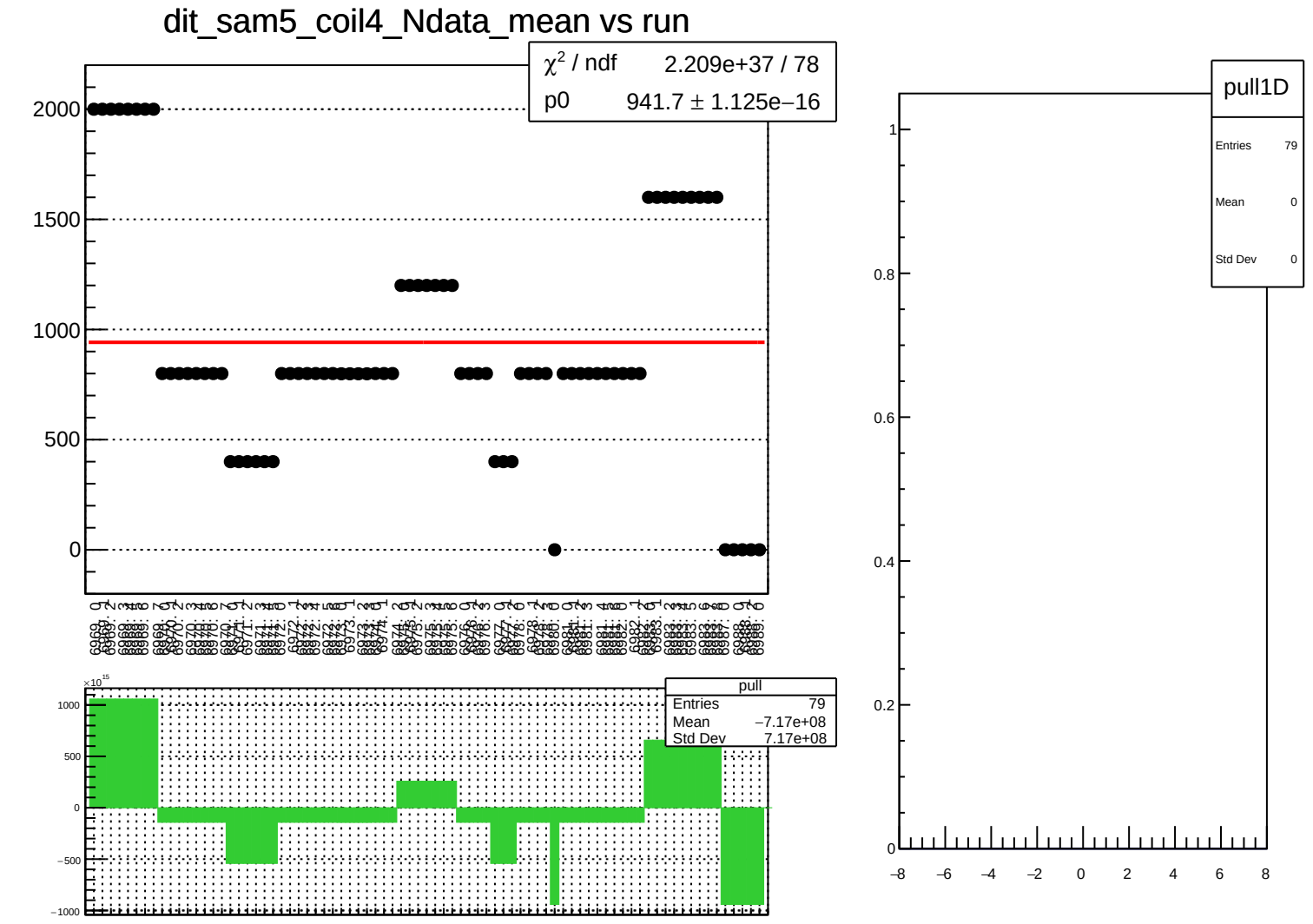

dit_sam4_coil4_err_mean vs run
χ² / ndf 5.538e+36 / 78
p0 690.5 ± 1.125e−16
pull
Entries 79
Mean 3.005e+08
Std Dev 3.005e+08
pull1D
Entries 79
Mean 0
Std Dev 0

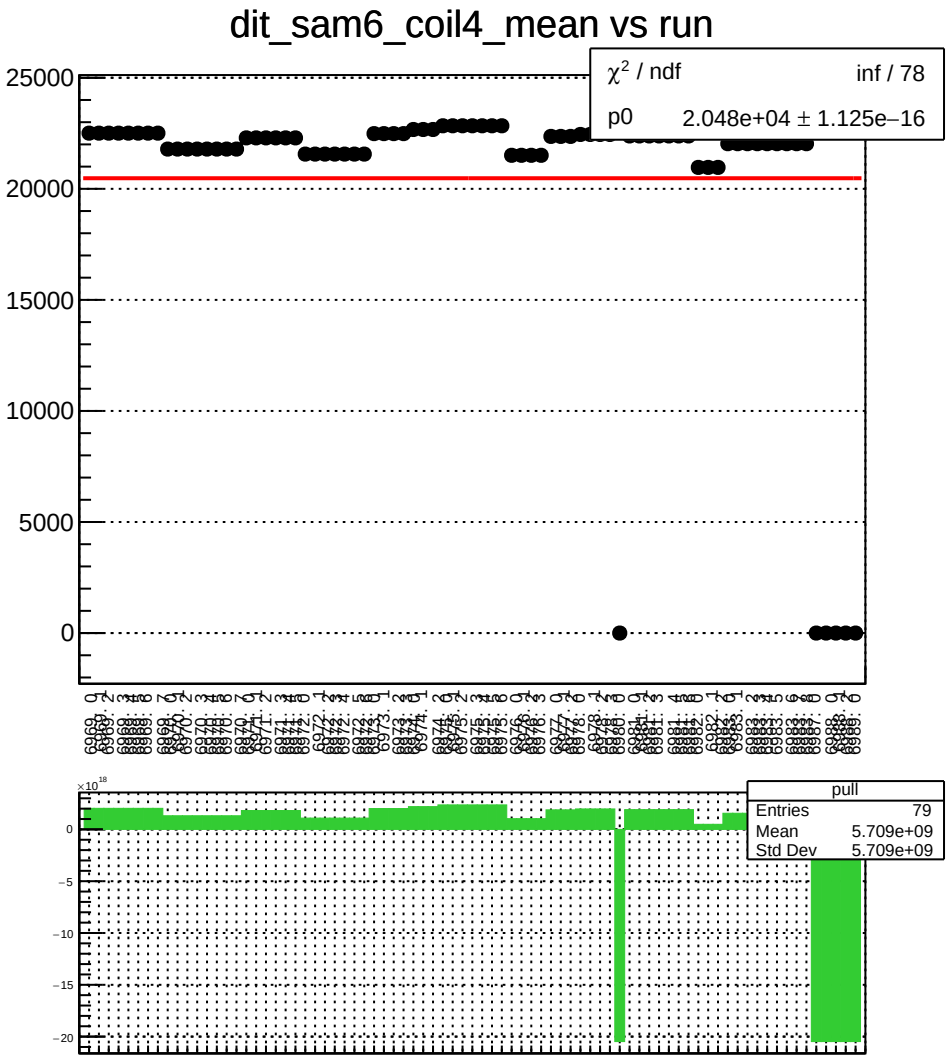

dit_sam4_coil4_Ndata_mean vs run
χ² / ndf 2.209e+37 / 78
p0 941.7 ± 1.125e−16
2000
1500
1000
500
0
pull
Entries 79
Mean −7.17e+08
Std Dev 7.17e+08
×10¹⁵
1000
500
0
−500
−1000
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

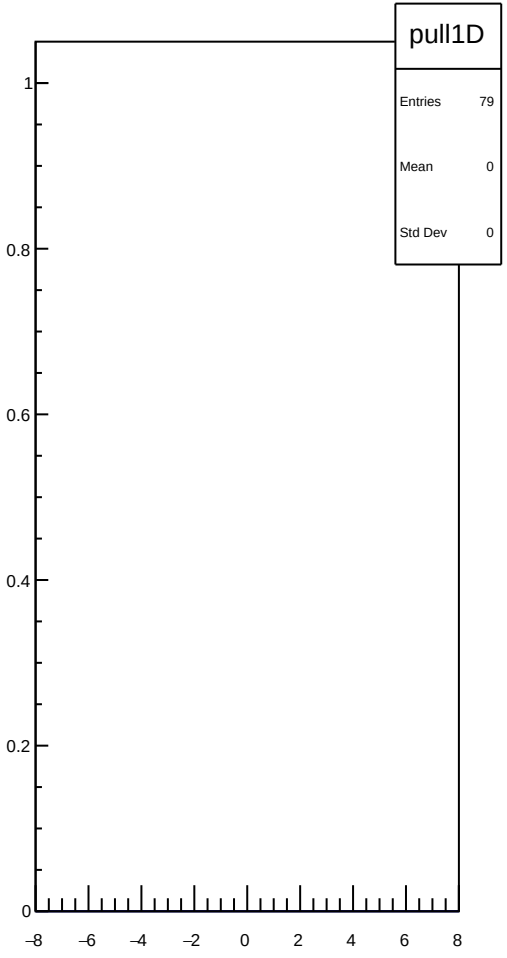

dit_sam5_coil4_mean vs run
χ² / ndf inf / 78
p0 2.583e+04 ± 1.125e−16
30000
25000
20000
15000
10000
5000
0
pull
Entries 79
Mean −1.258e+09
Std Dev 1.258e+09
×10¹⁸
0
−5
−10
−15
−20
−25

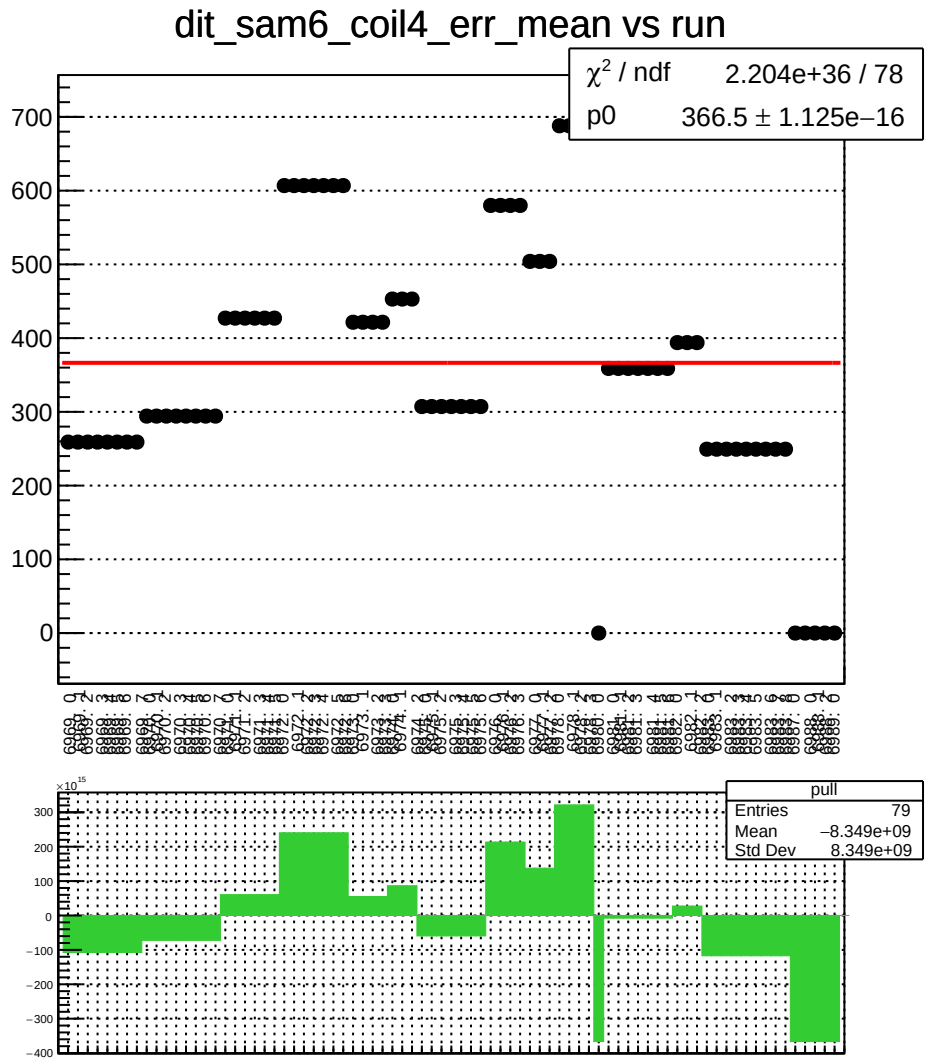

pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

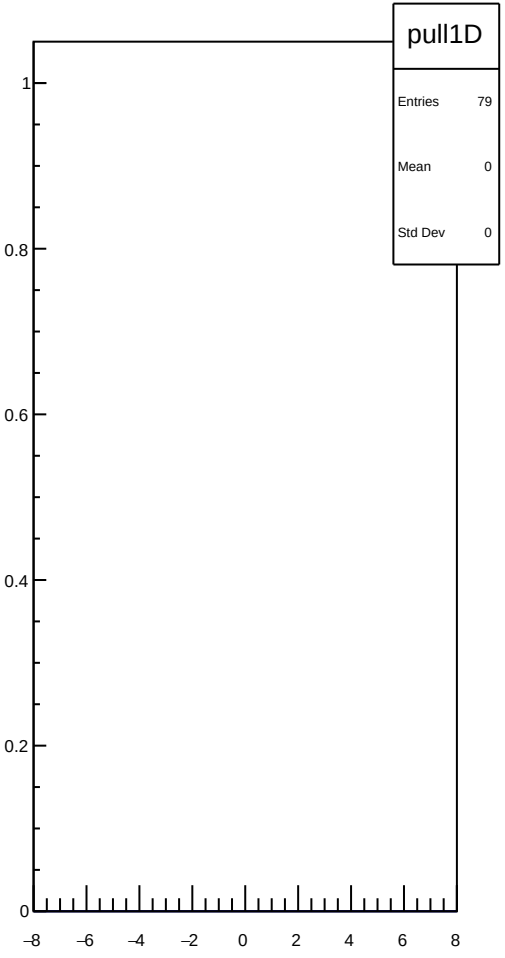

dit_sam5_coil4_err_mean vs run
χ² / ndf 1.236e+36 / 78
p0 268.1± 1.125e−16
pull
Entries 79
Mean 1.021e+09
Std Dev 1.021e+09
pull1D
Entries 79
Mean 0
Std Dev 0


dit_sam5_coil4_Ndata_mean vs run
χ² / ndf 2.209e+37 / 78
p0 941.7 ± 1.125e−16
2000
1500
1000
500
0
pull
Entries 79
Mean −7.17e+08
Std Dev 7.17e+08
×10¹⁵
1000
500
0
−500
−1000
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

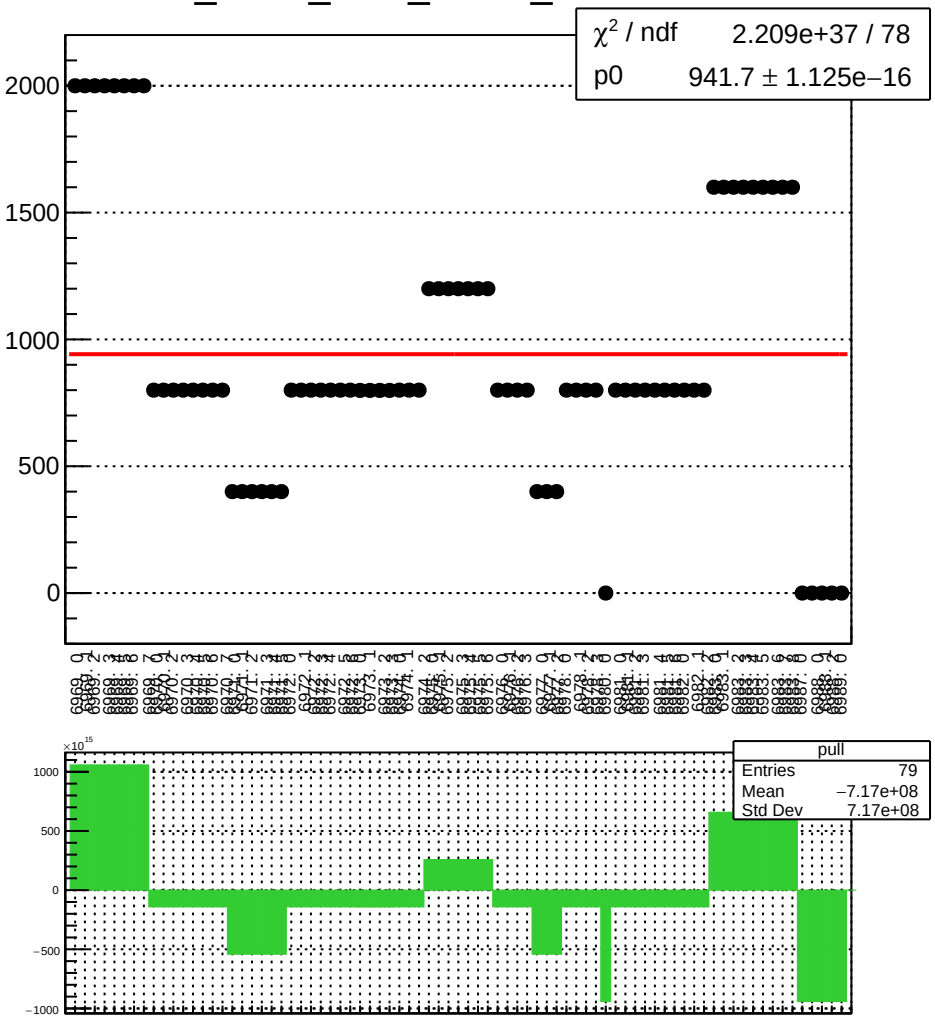

dit_sam6_coil4_mean vs run
χ² / ndf inf / 78
p0 2.048e+04 ± 1.125e−16
25000
20000
15000
10000
5000
0
pull
Entries 79
Mean 5.709e+09
Std Dev 5.709e+09
×10¹⁸
0
−5
−10
−15
−20

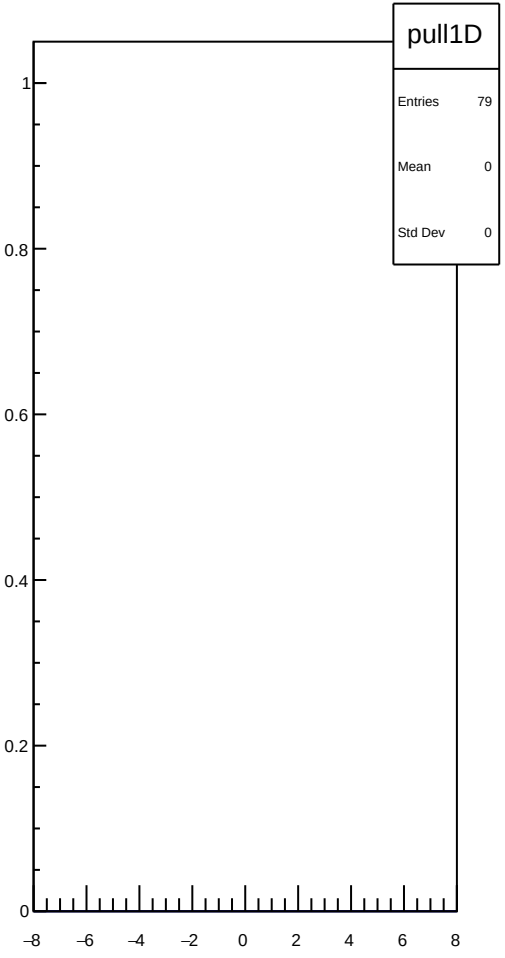

pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

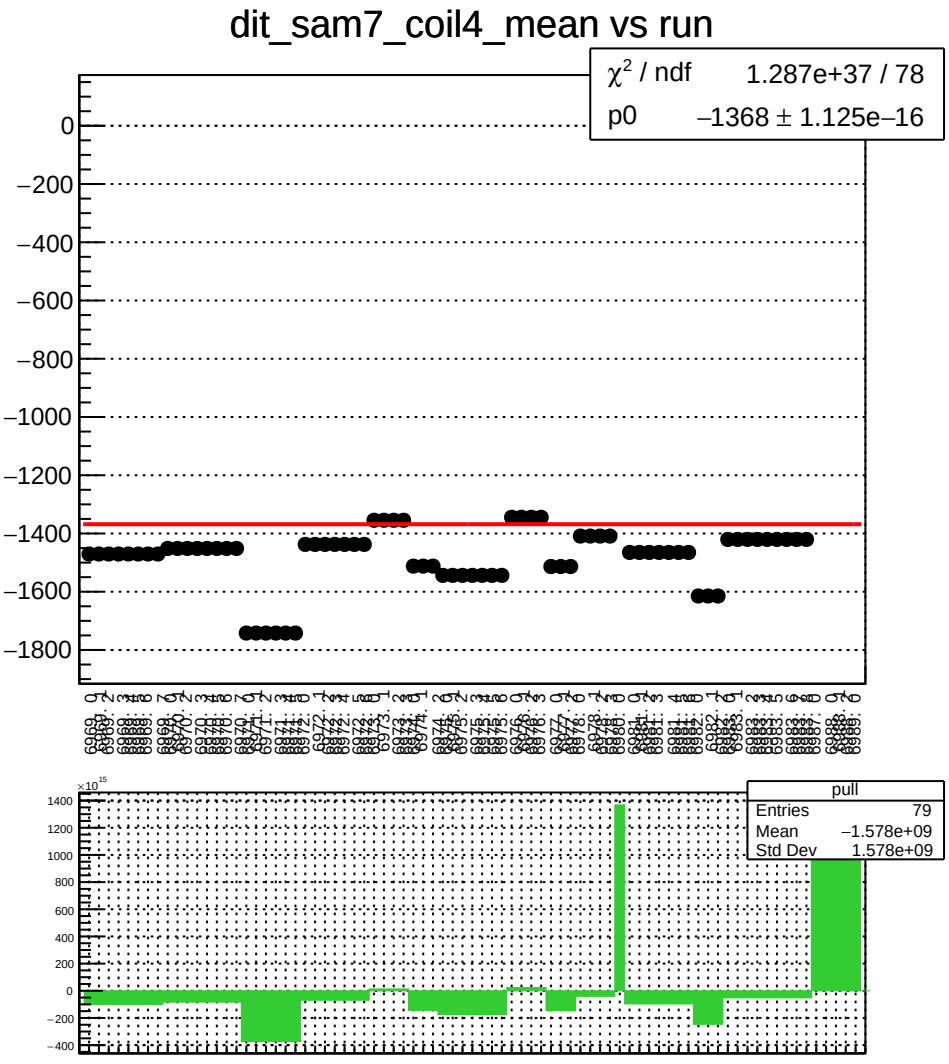

dit_sam6_coil4_err_mean vs run
χ² / ndf 2.204e+36 / 78
p0 366.5 ± 1.125e−16
pull
Entries 79
Mean −8.349e+09
Std Dev 8.349e+09

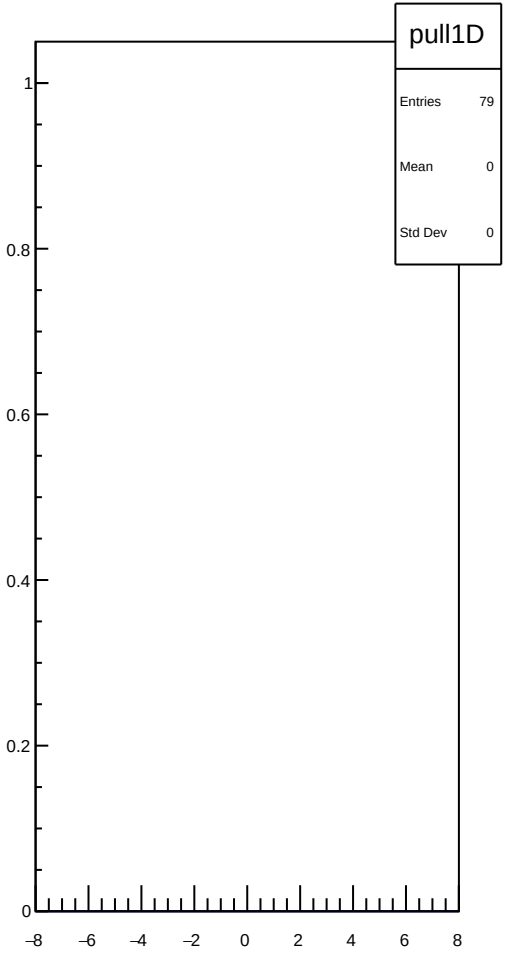

pull1D
Entries 79
Mean 0
Std Dev 0

dit_sam6_coil4_Ndata_mean vs run

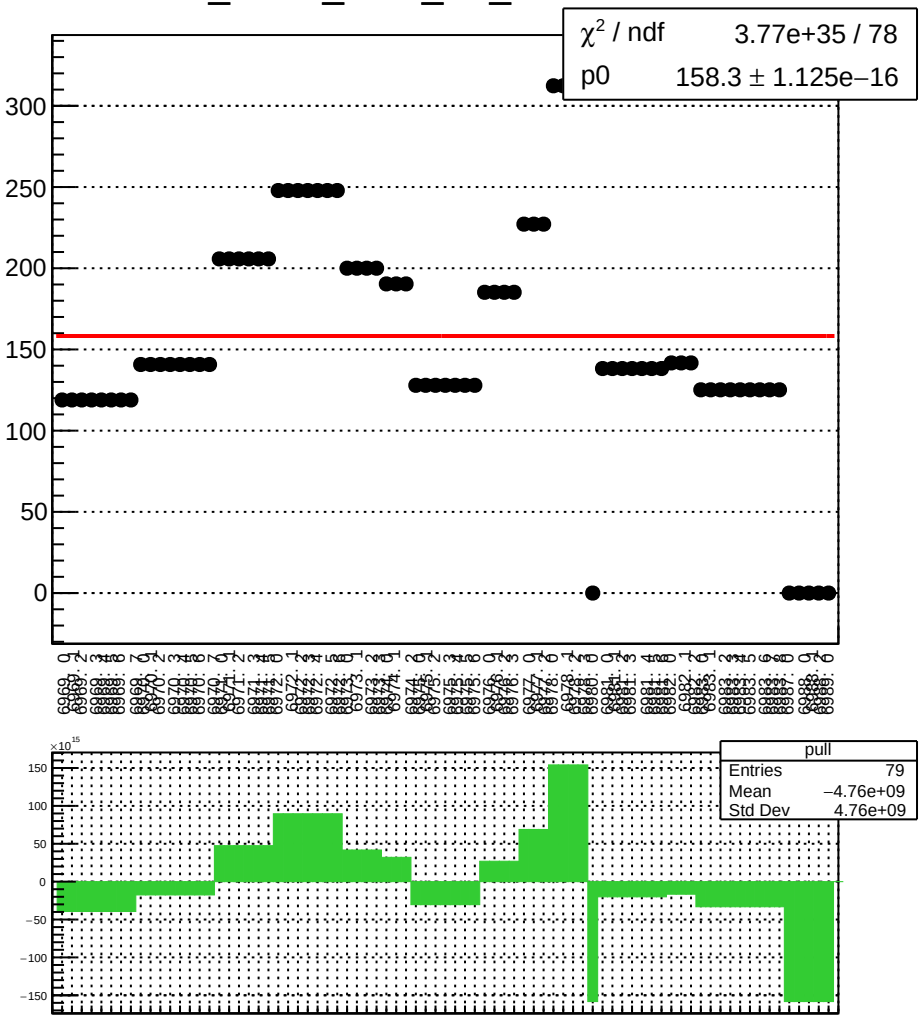


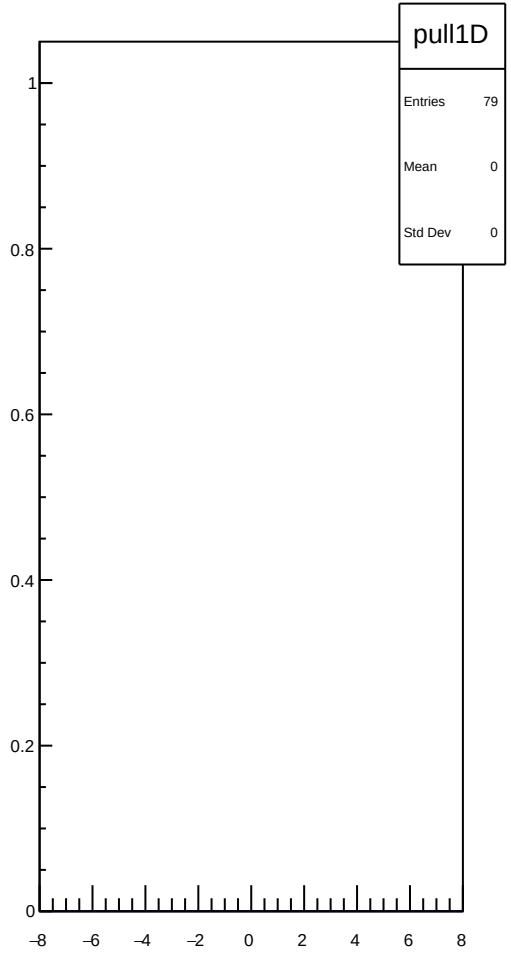


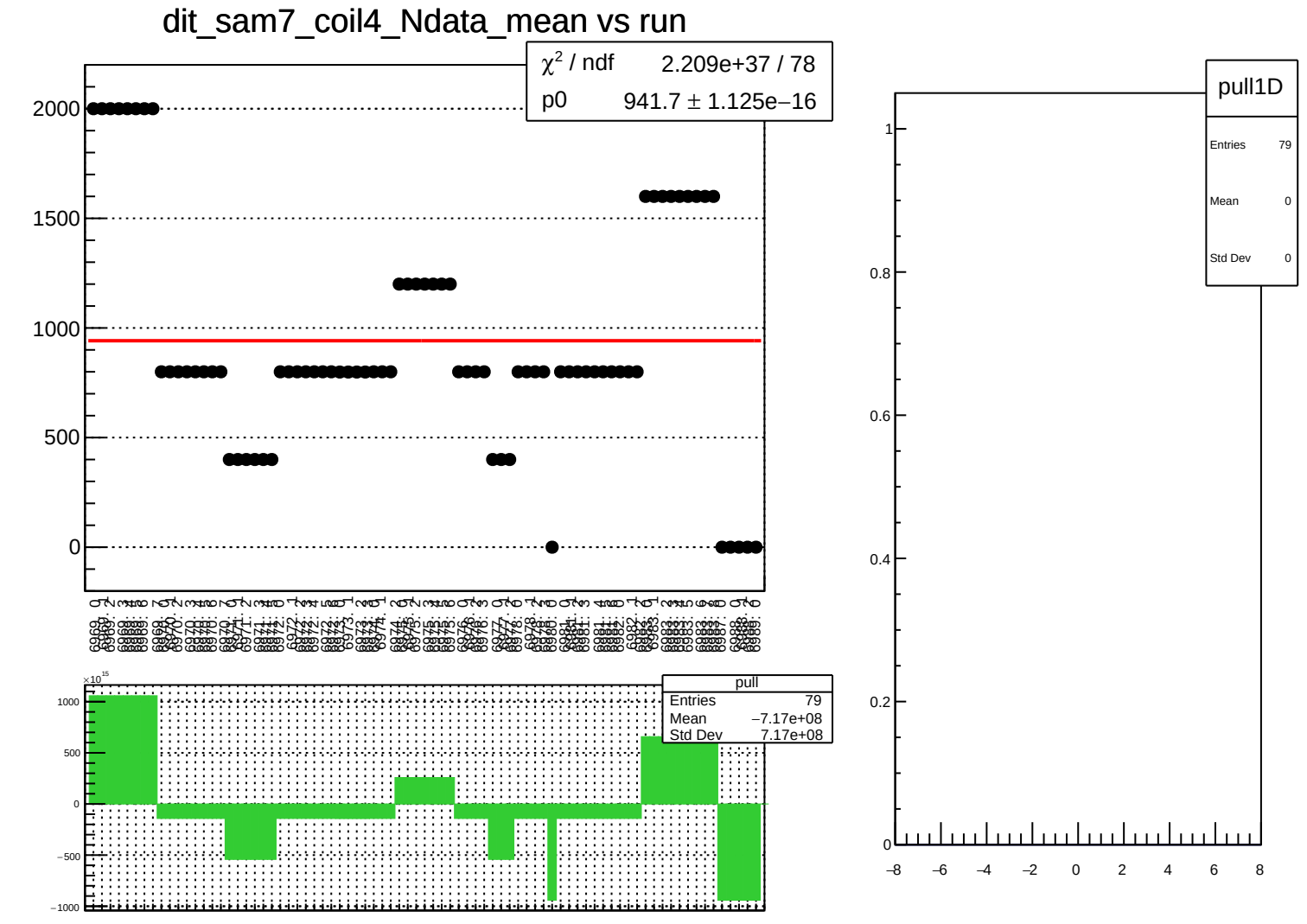

dit_sam7_coil4_mean vs run
χ^2 / ndf 1.287e+37 / 78
p0 −1368 ± 1.125e−16
pull
Entries 79
Mean −1.578e+09
Std Dev 1.578e+09

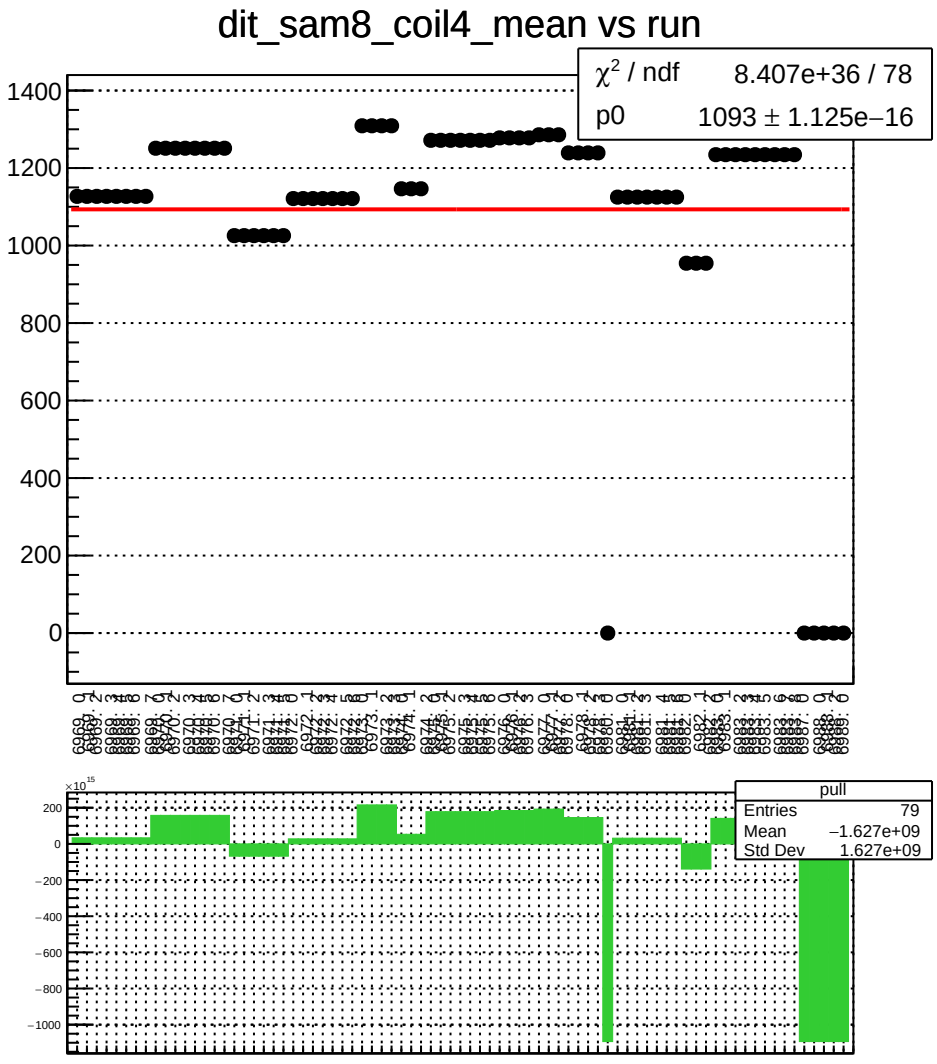

pull1D
Entries 79
Mean 0
Std Dev 0

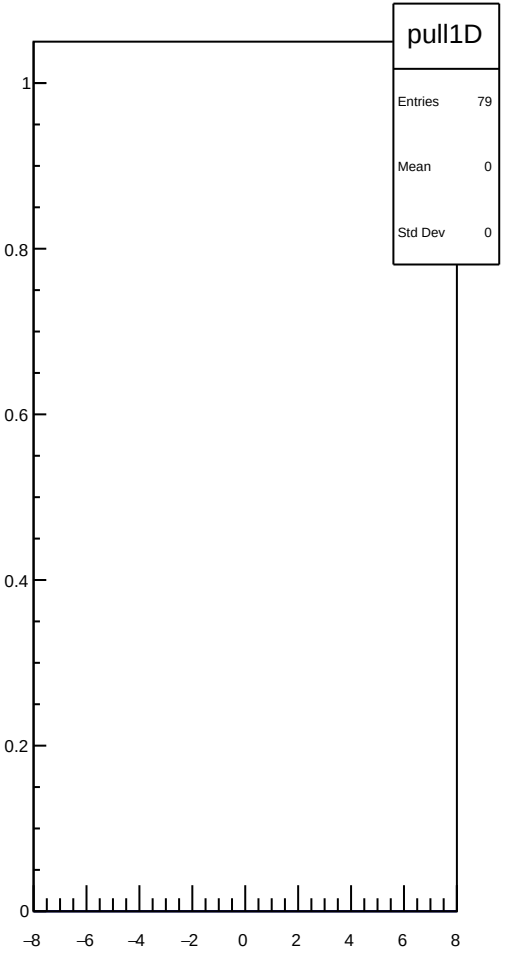
dit_sam7_coil4_err_mean vs run

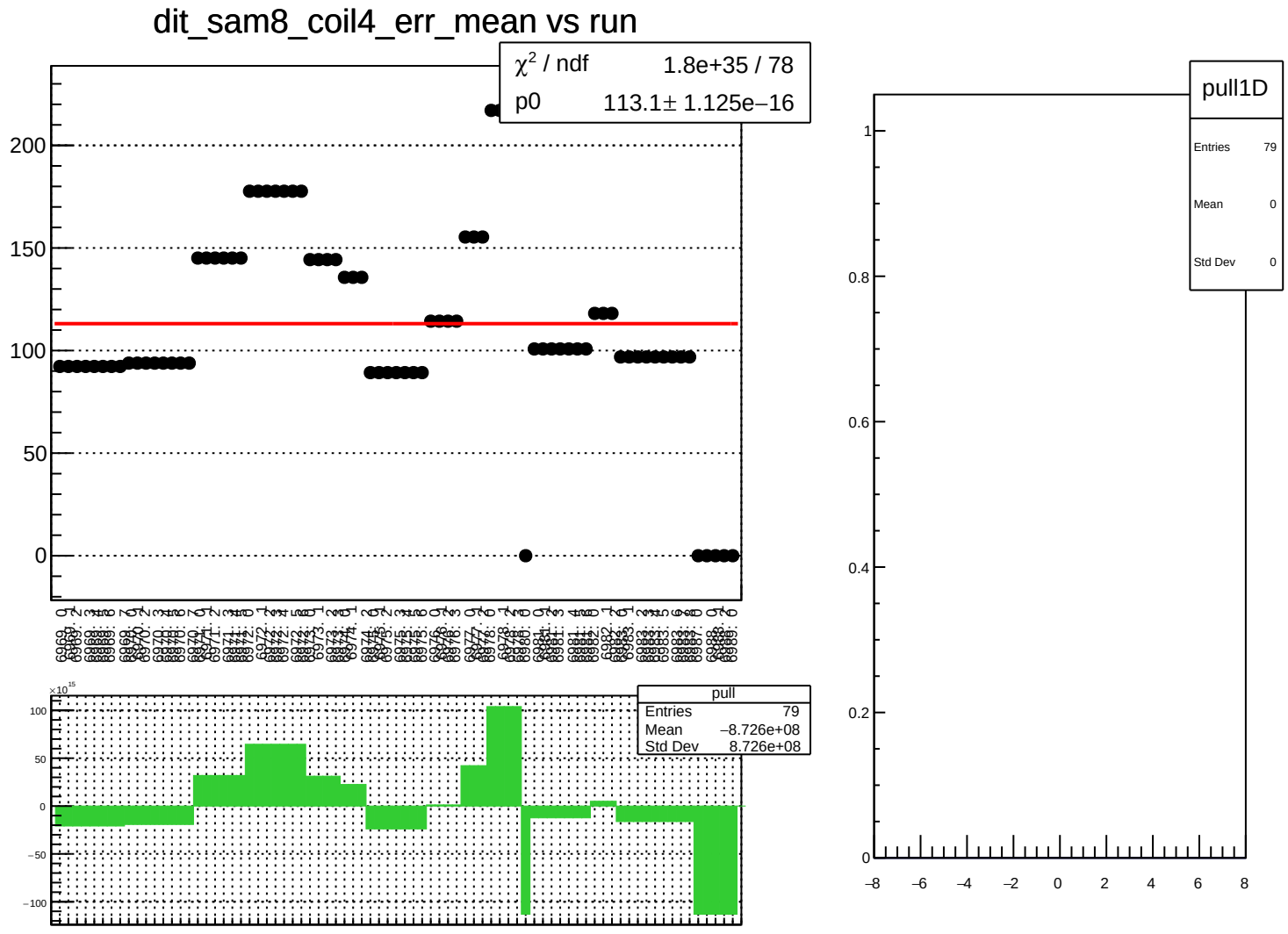


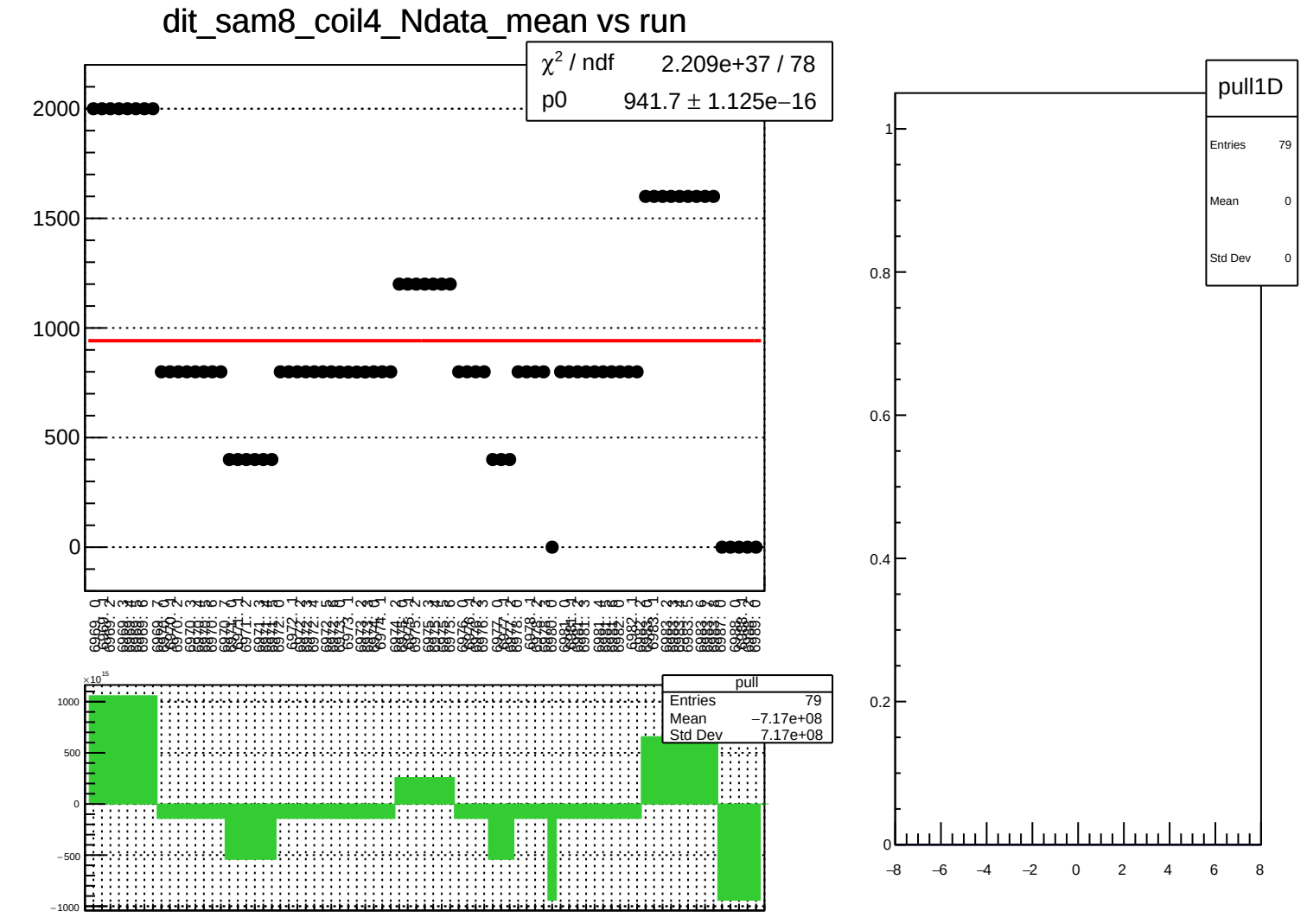


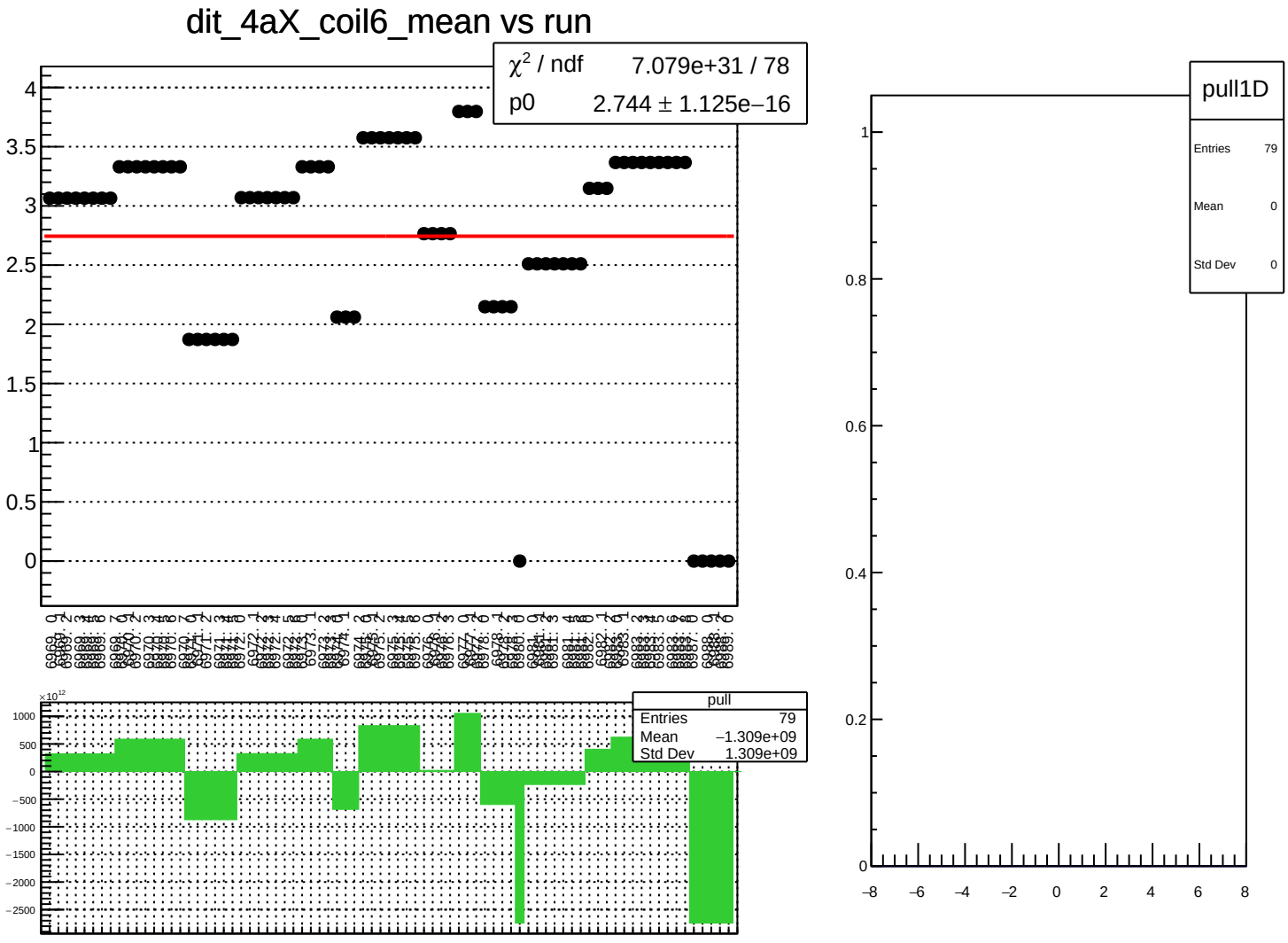

dit_sam7_coil4_Ndata_mean vs run
χ² / ndf 2.209e+37 / 78
p0 941.7 ± 1.125e−16
2000
1500
1000
500
0
pull
Entries 79
Mean −7.17e+08
Std Dev 7.17e+08
×10¹⁵
1000
500
0
−500
−1000
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam8_coil4_mean vs run
χ^2 / ndf 8.407e+36 / 78
p0 1093 ± 1.125e−16
pull
Entries 79
Mean −1.627e+09
Std Dev 1.627e+09

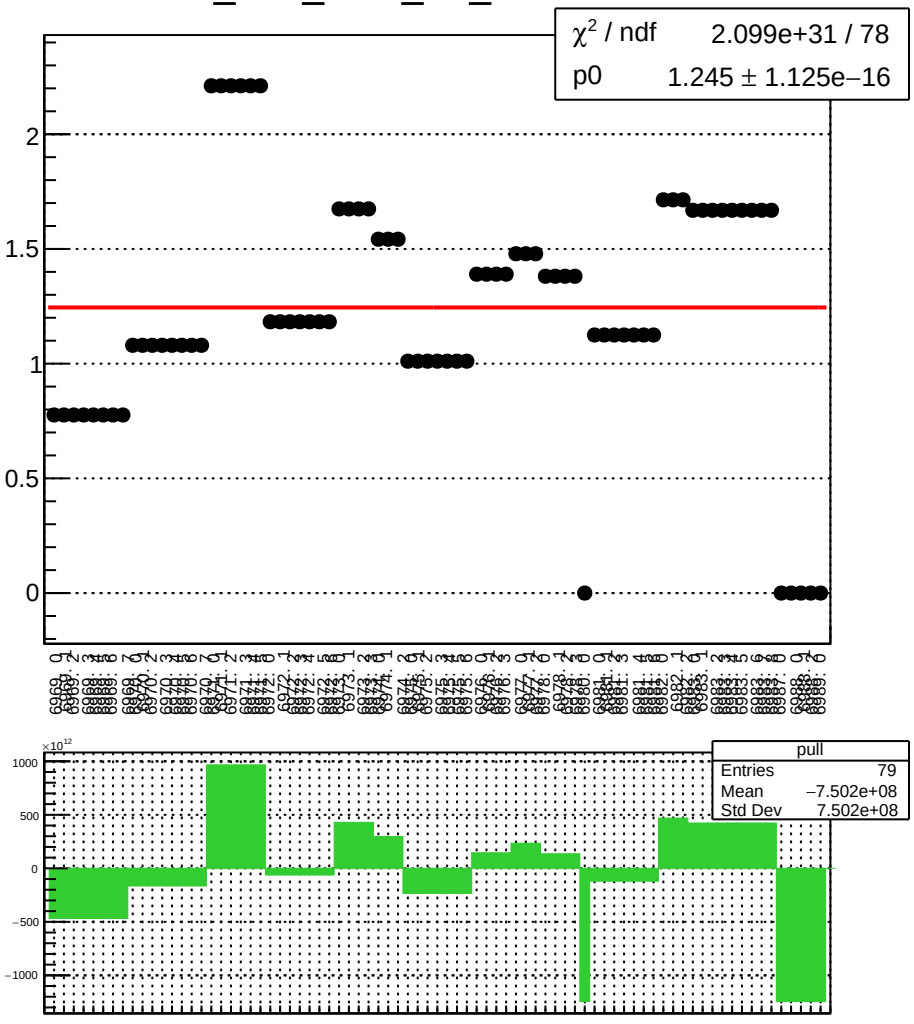

pull1D
Entries 79
Mean 0
Std Dev 0

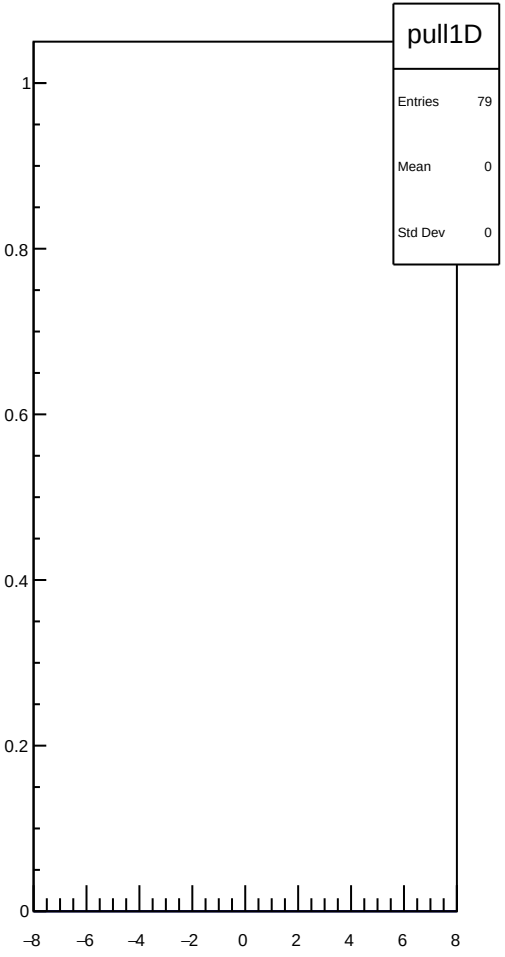

dit_sam8_coil4_err_mean vs run
χ² / ndf 1.8e+35 / 78
p0 113.1± 1.125e−16
pull
Entries 79
Mean −8.726e+08
Std Dev 8.726e+08
pull1D
Entries 79
Mean 0
Std Dev 0


dit_sam8_coil4_Ndata_mean vs run
χ² / ndf 2.209e+37 / 78
p0 941.7 ± 1.125e−16
2000
1500
1000
500
0
pull
Entries 79
Mean −7.17e+08
Std Dev 7.17e+08
×10¹⁵
1000
500
0
−500
−1000
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

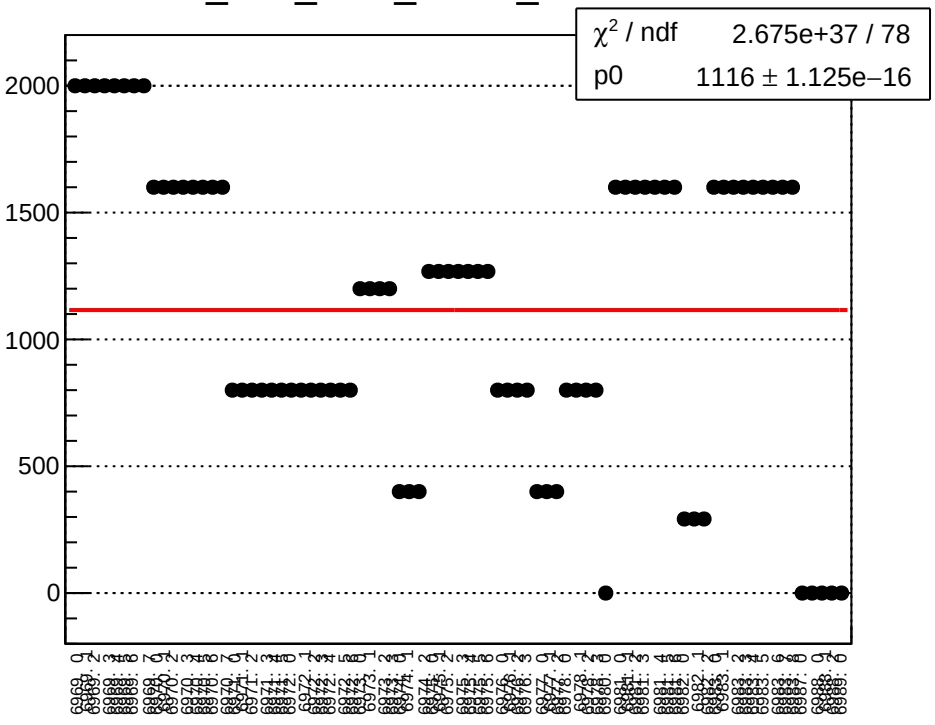

dit_4aX_coil6_mean vs run
χ² / ndf 7.079e+31 / 78
p0 2.744 ± 1.125e−16
pull
Entries 79
Mean −1.309e+09
Std Dev 1.309e+09
pull1D
Entries 79
Mean 0
Std Dev 0

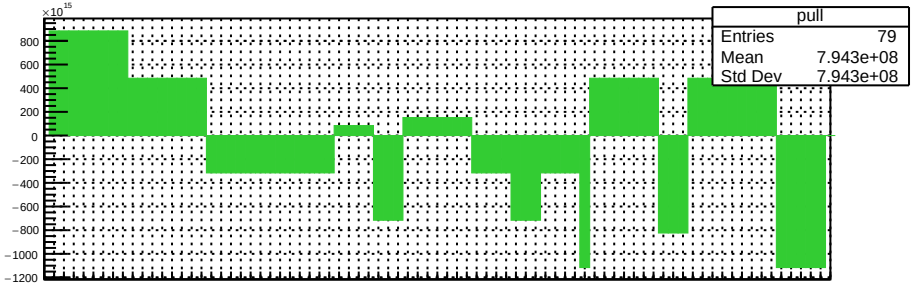
dit_4aX_coil6_err_mean vs run

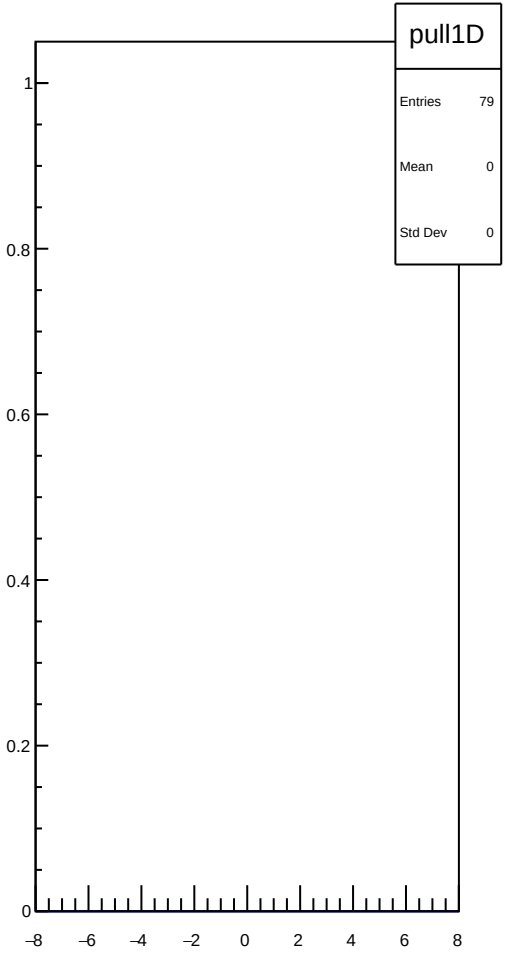


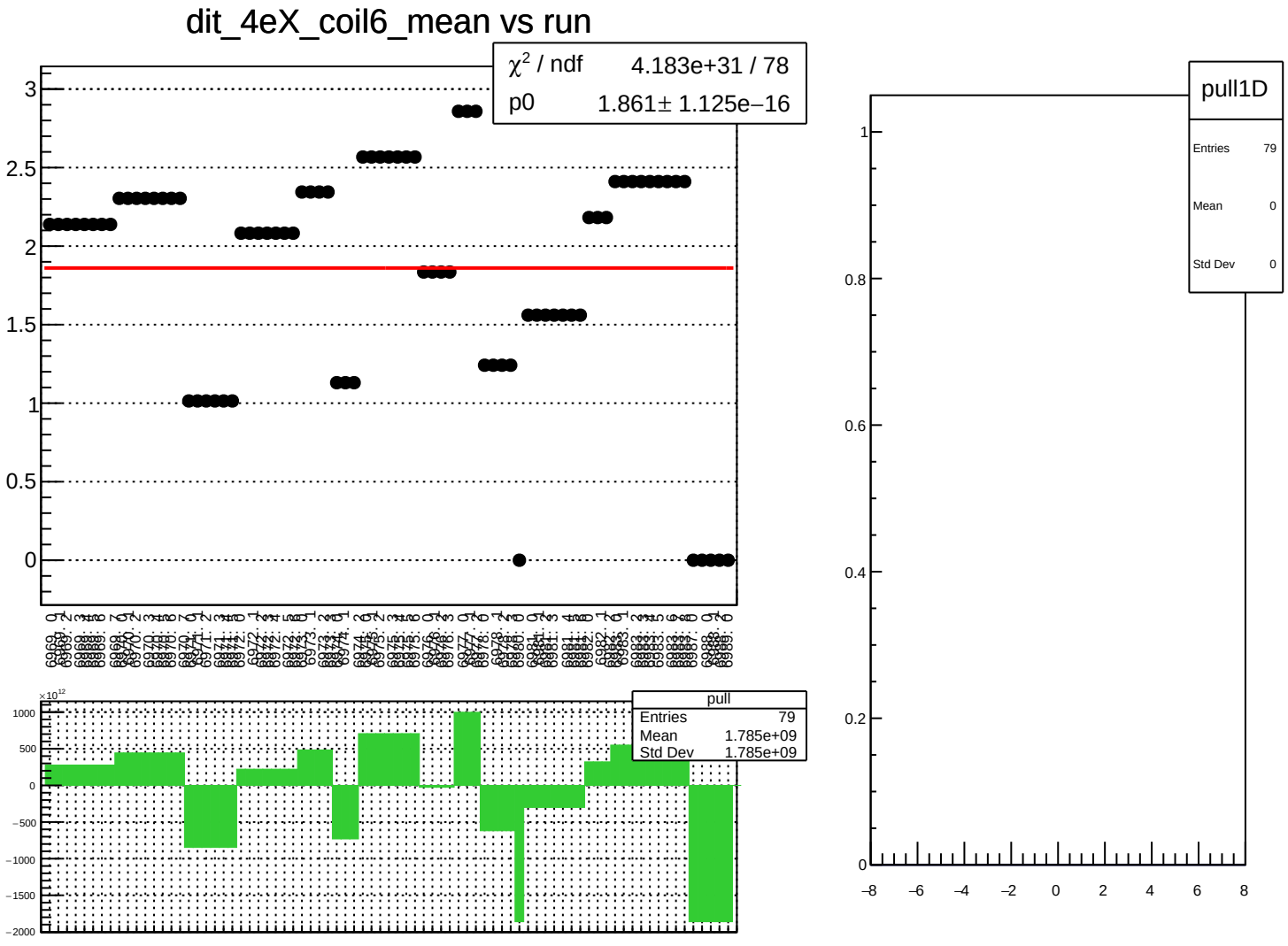


dit_4aX_coil6_Ndata_mean vs run

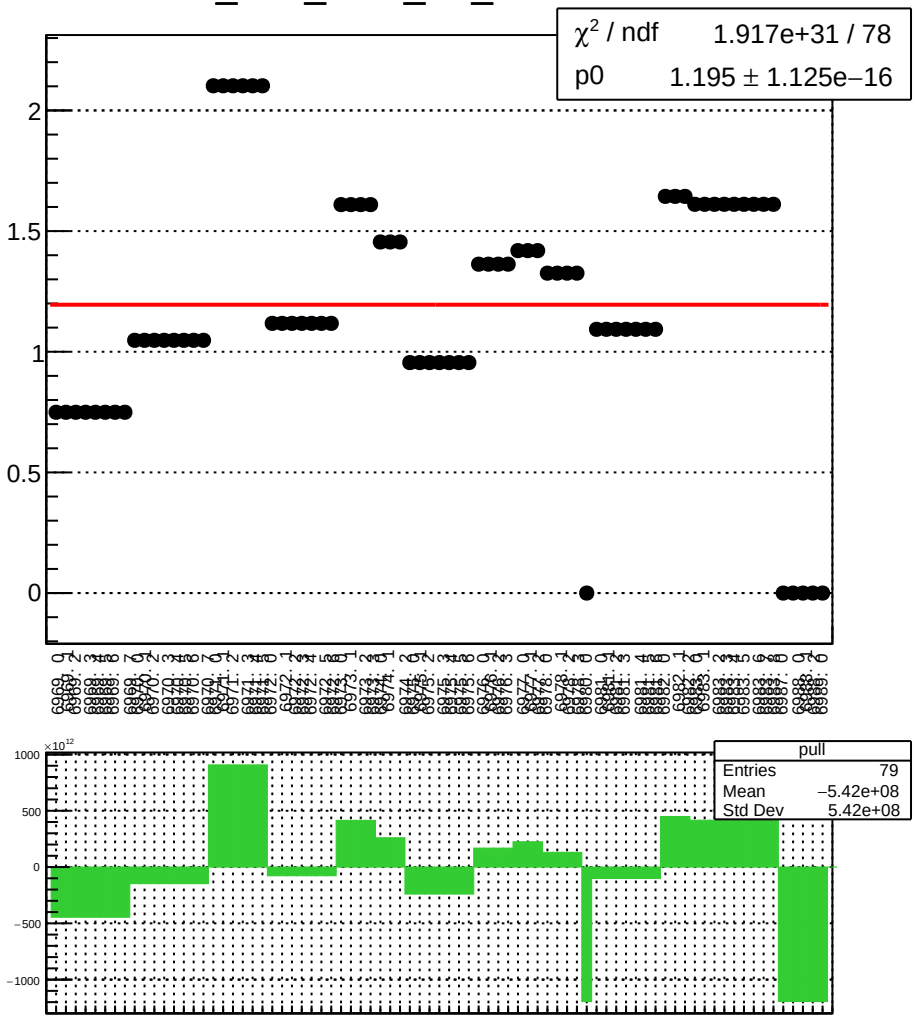


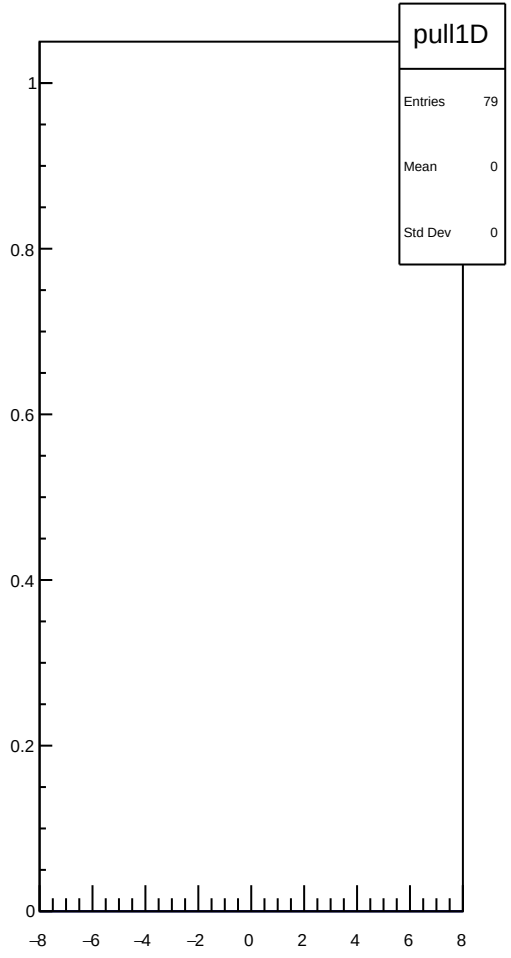




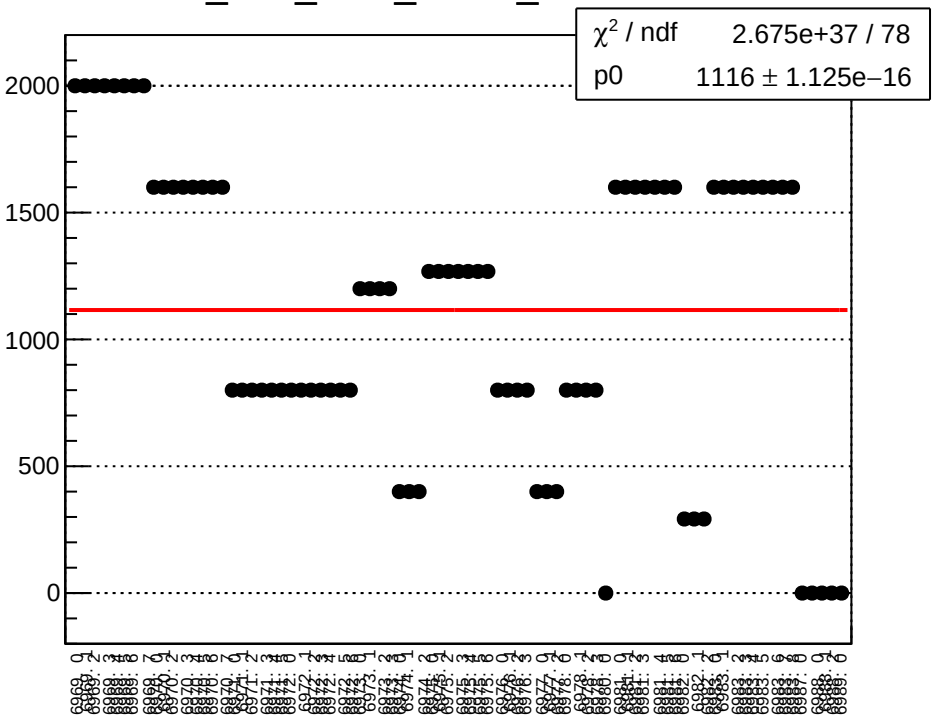

dit_4eX_coil6_mean vs run
χ² / ndf 4.183e+31 / 78
p0 1.861± 1.125e−16
pull
Entries 79
Mean 1.785e+09
Std Dev 1.785e+09
pull1D
Entries 79
Mean 0
Std Dev 0

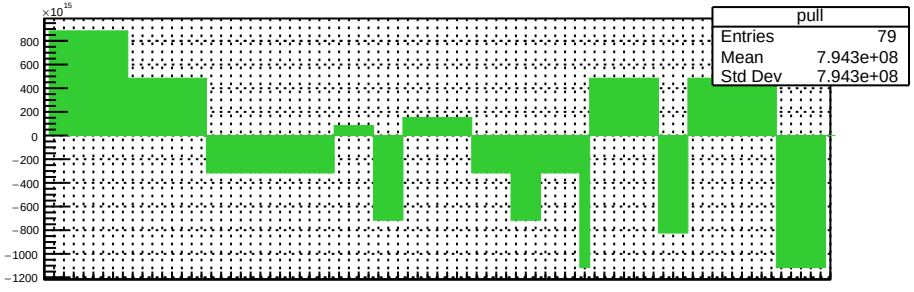
dit_4eX_coil6_err_mean vs run

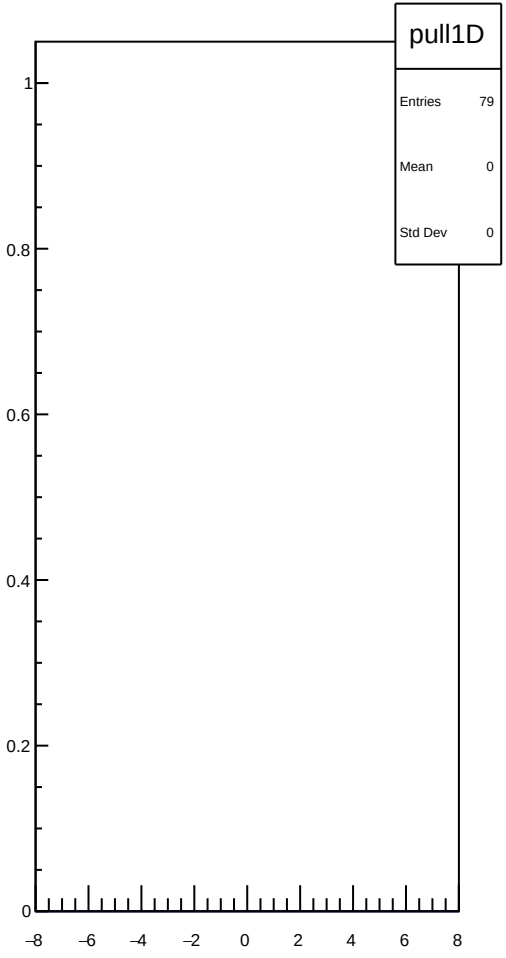




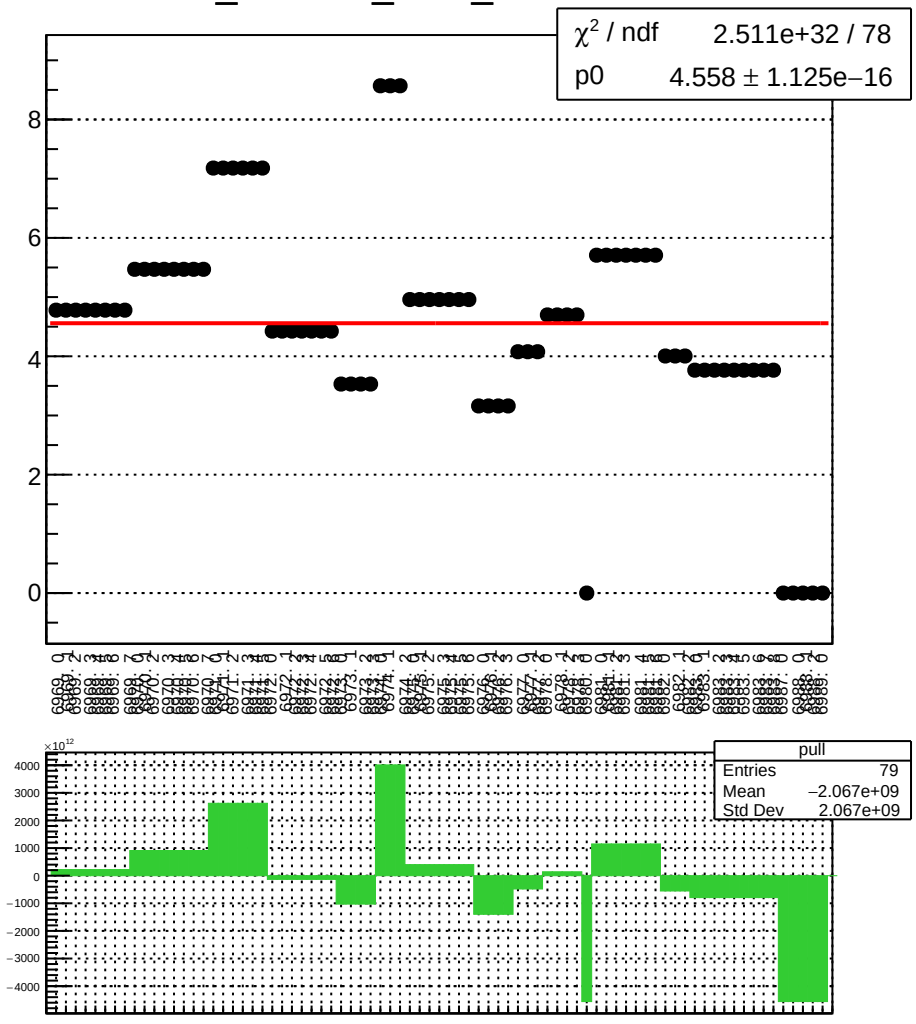
dit_4eX_coil6_Ndata_mean vs run

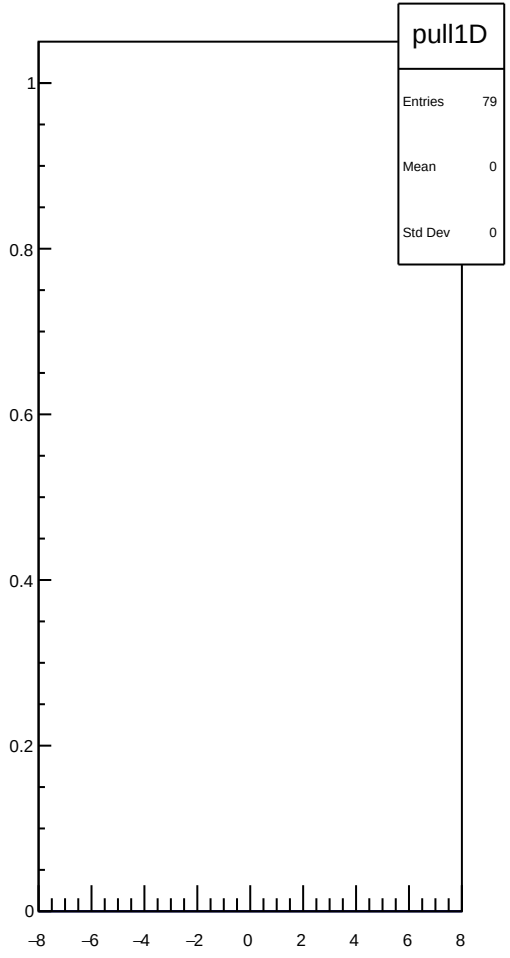




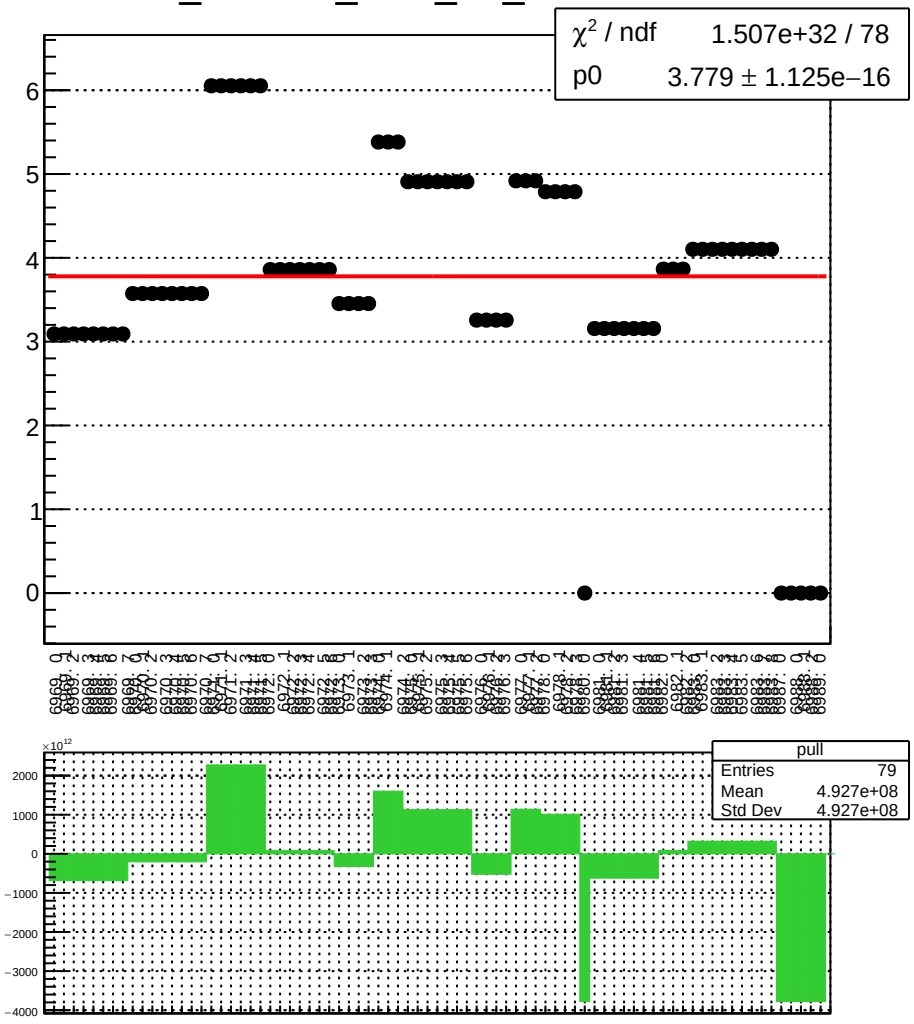


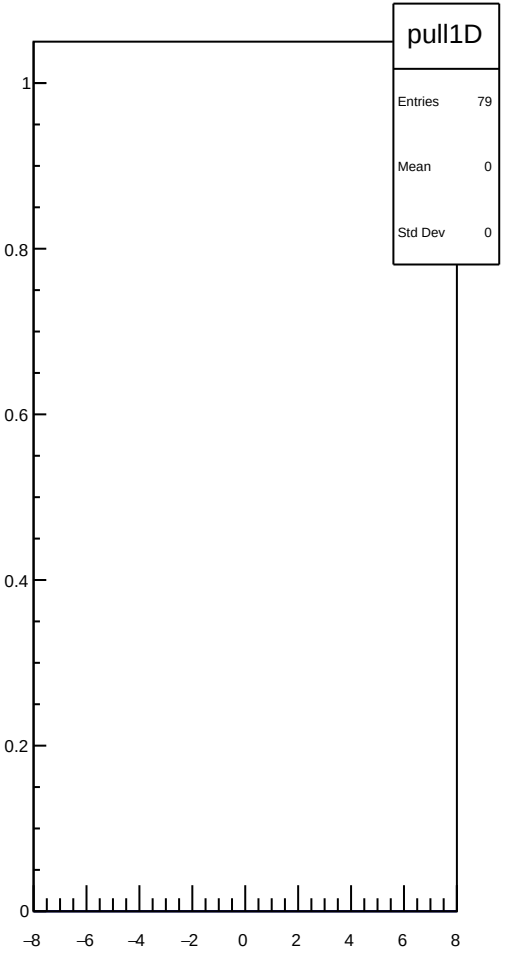
dit_11X12X_coil6_mean vs run

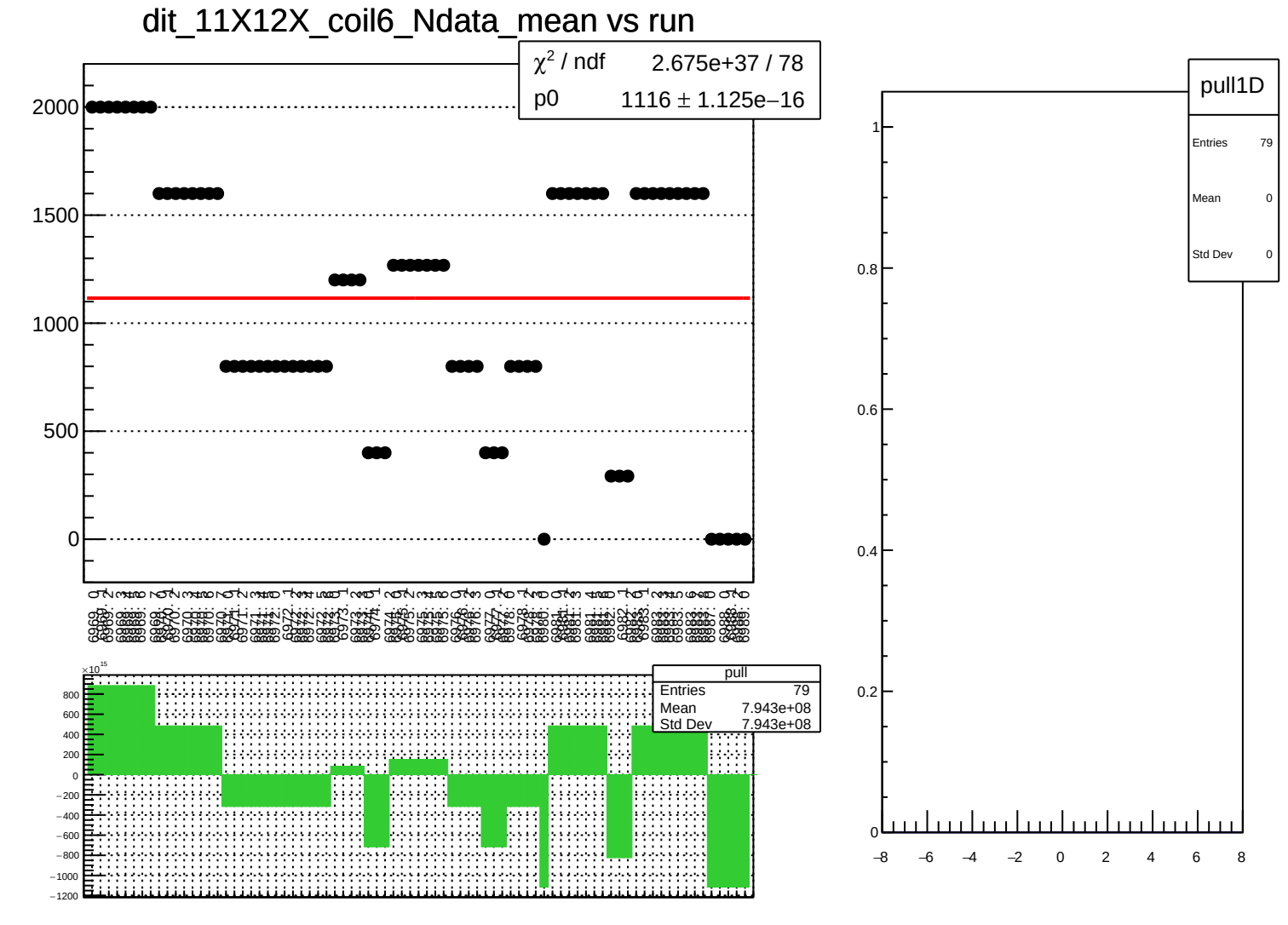


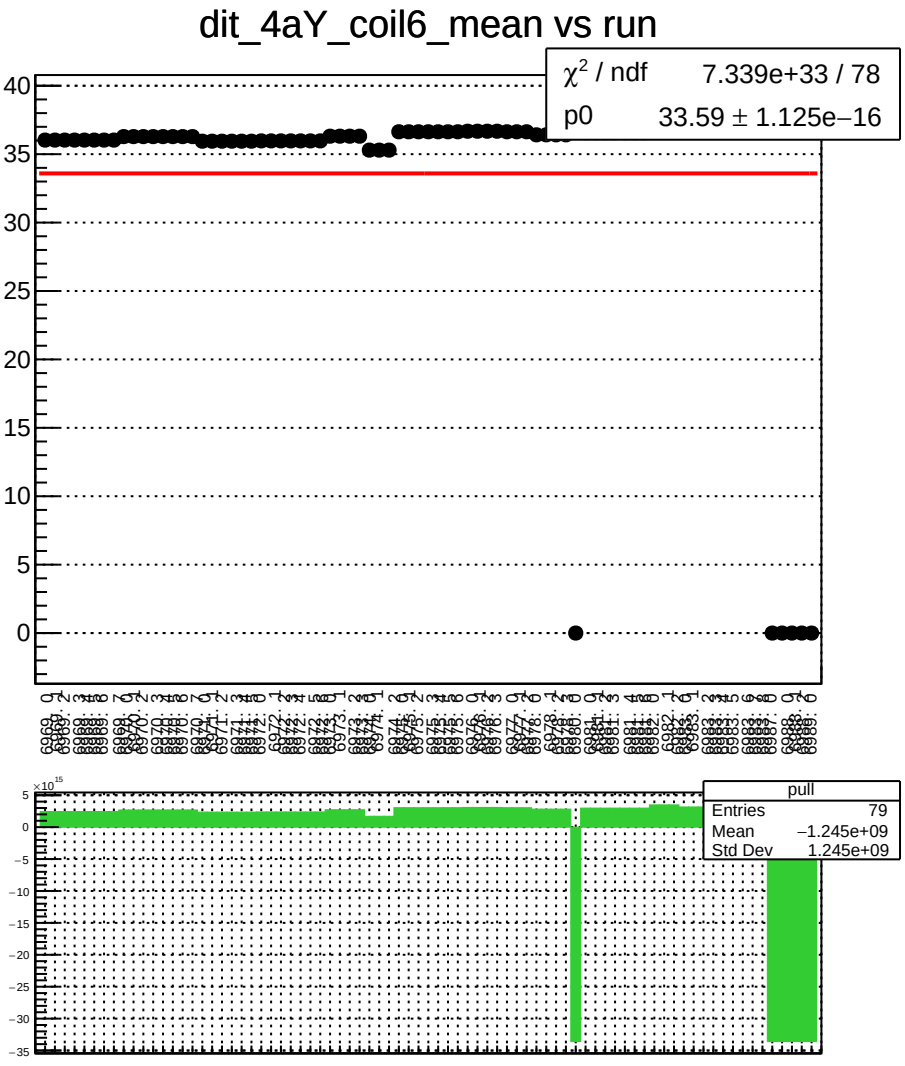


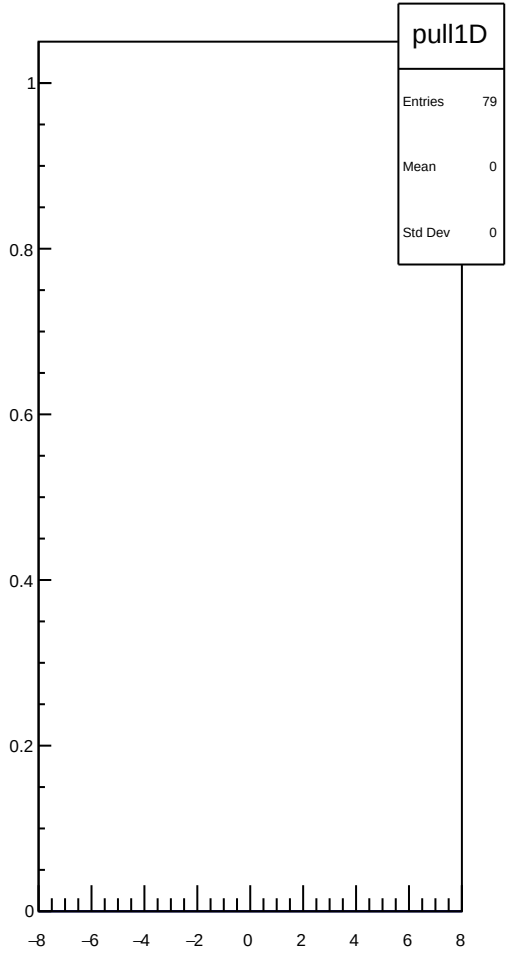
dit_11X12X_coil6_err_mean vs run



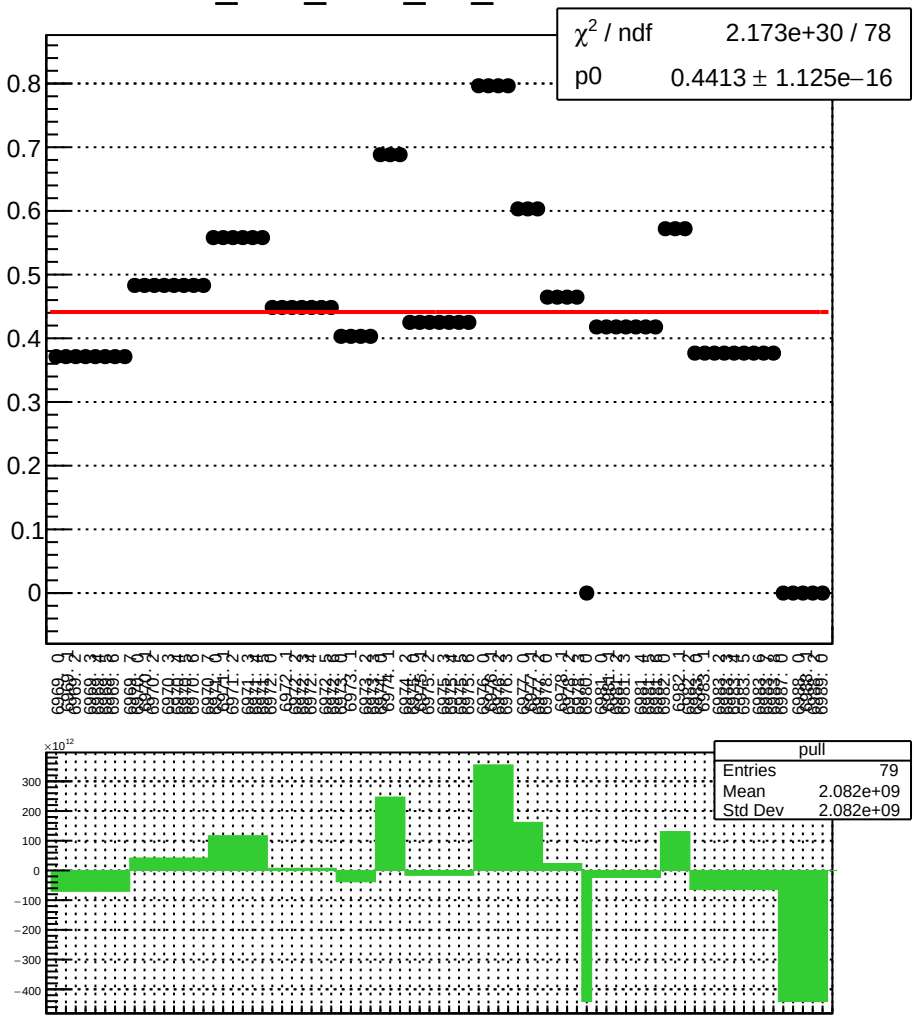


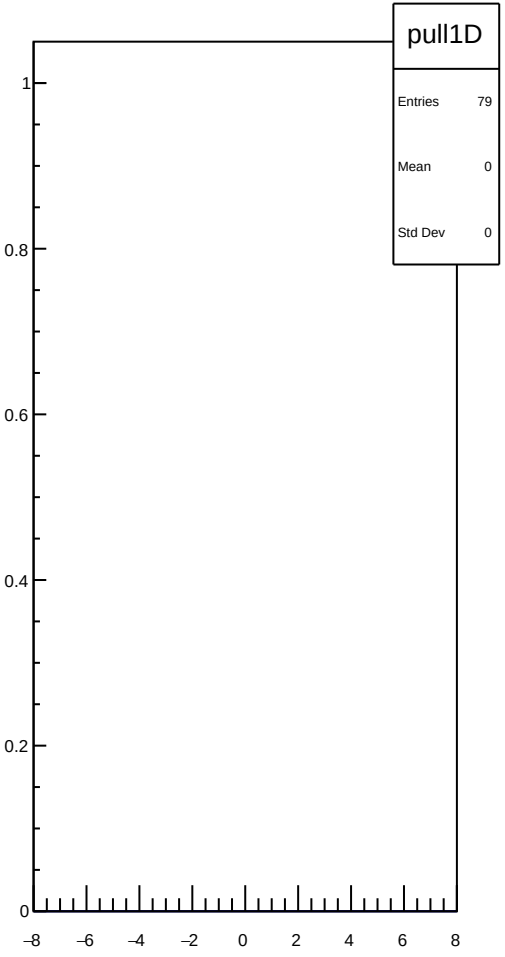

dit_11X12X_coil6_Ndata_mean vs run
χ² / ndf 2.675e+37 / 78
p0 1116 ± 1.125e−16
pull
Entries 79
Mean 7.943e+08
Std Dev 7.943e+08
pull1D
Entries 79
Mean 0
Std Dev 0


dit_4aY_coil6_mean vs run
χ^2 / ndf 7.339e+33 / 78
p0 33.59 ± 1.125e−16
pull
Entries 79
Mean −1.245e+09
Std Dev 1.245e+09

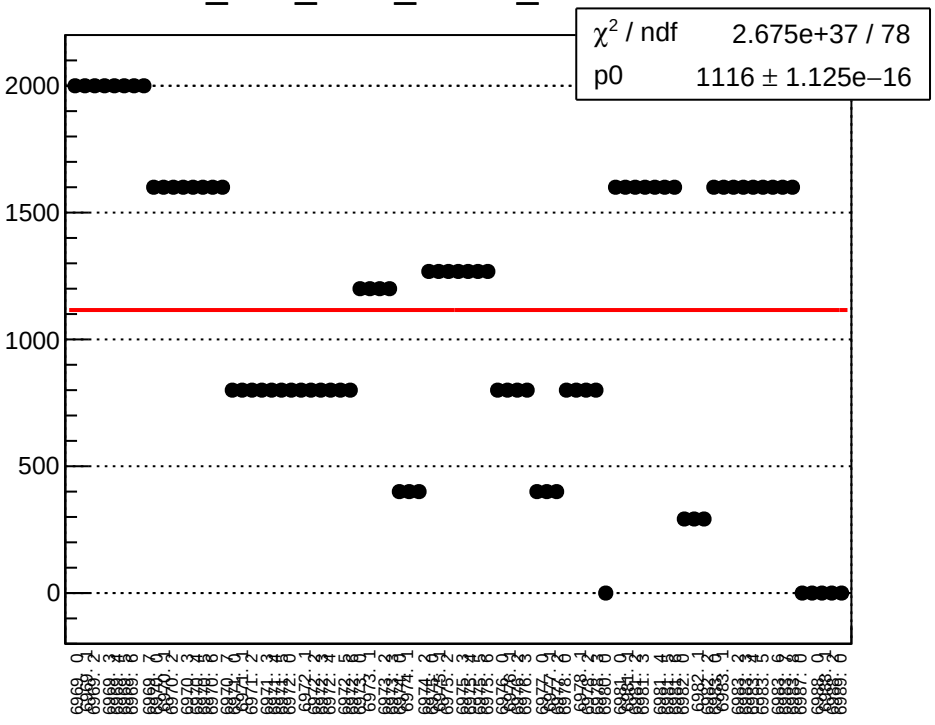

pull1D
Entries 79
Mean 0
Std Dev 0

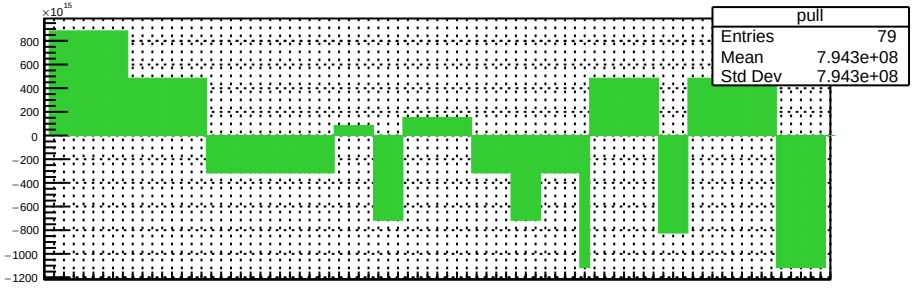
dit_4aY_coil6_err_mean vs run

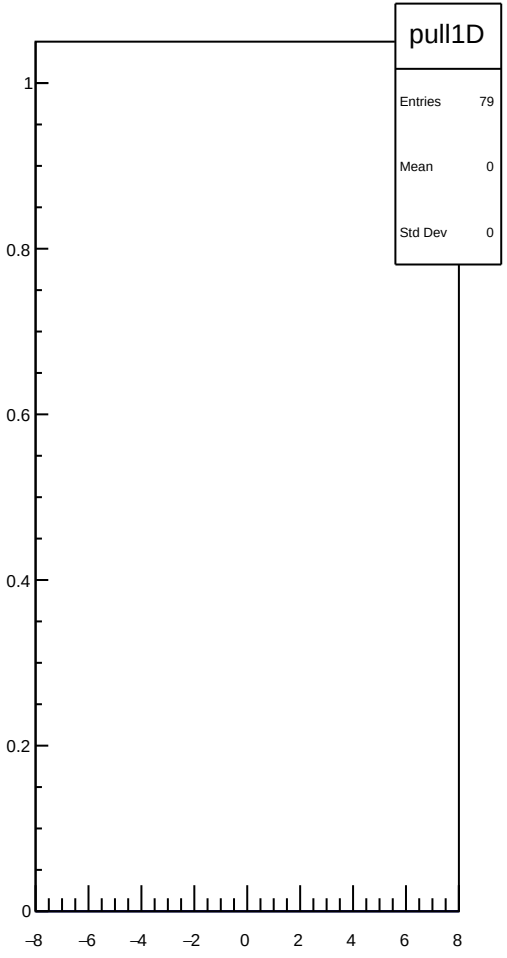




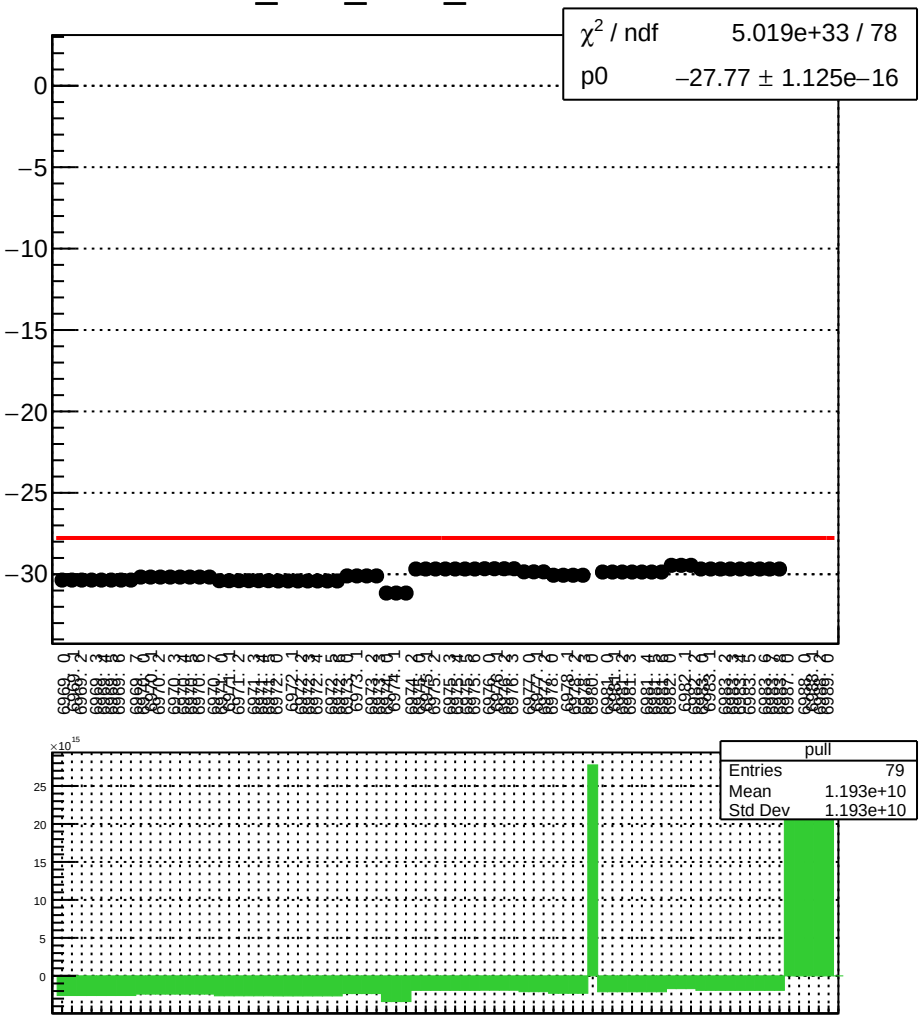
dit_4aY_coil6_Ndata_mean vs run

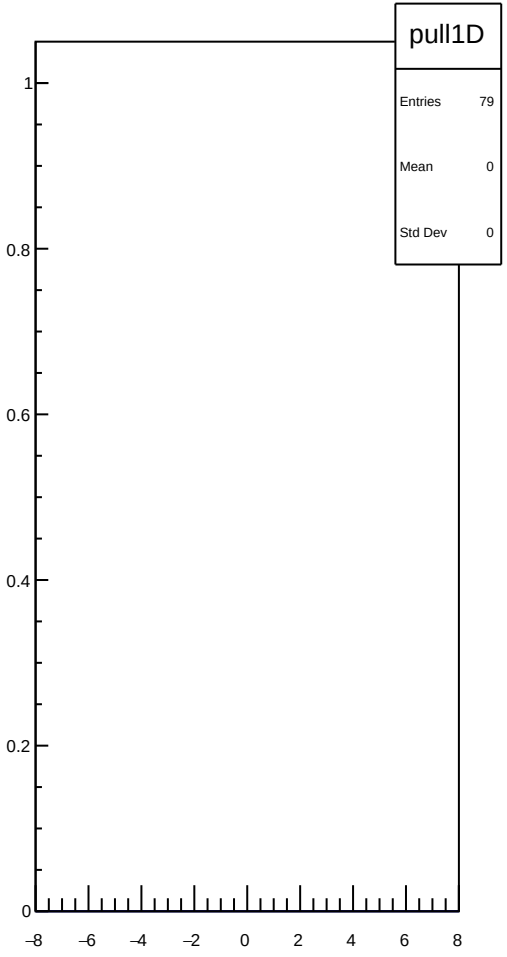




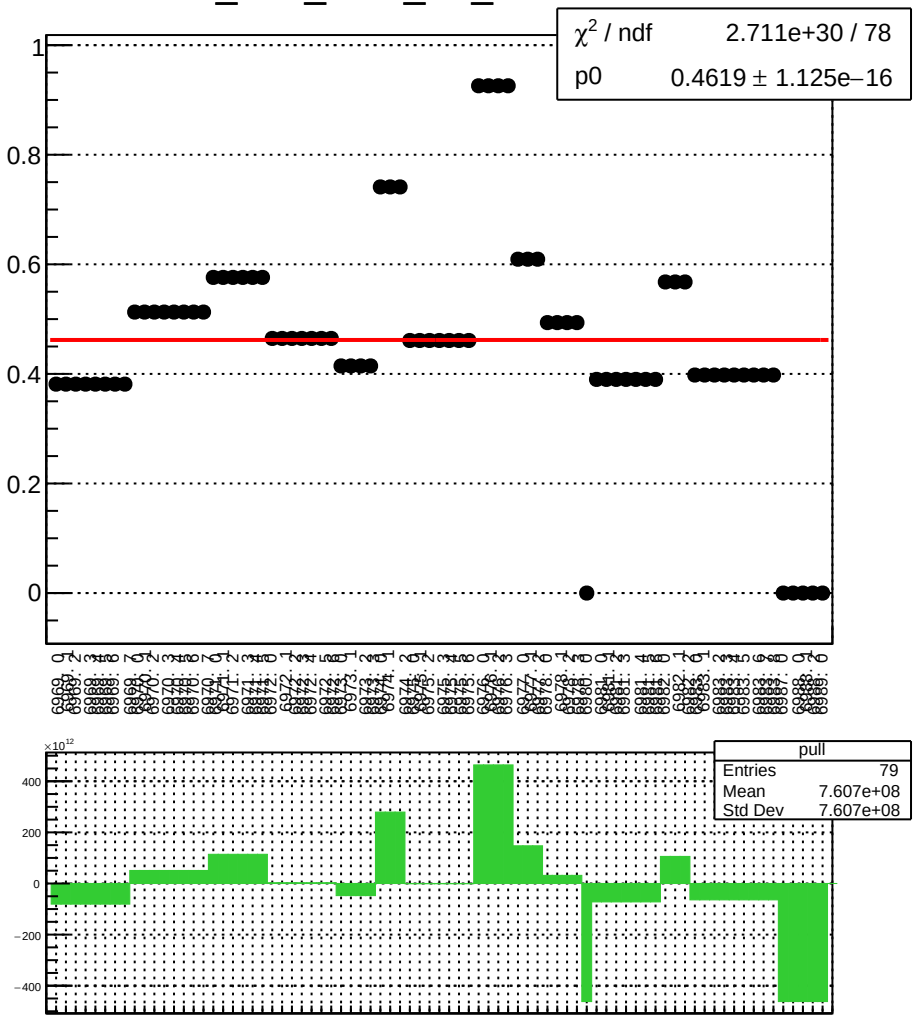


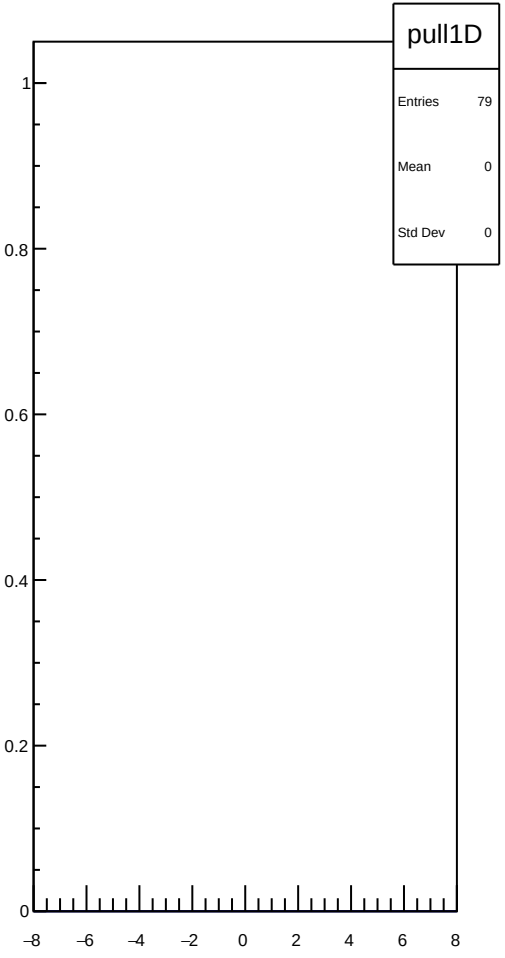
dit_4eY_coil6_mean vs run



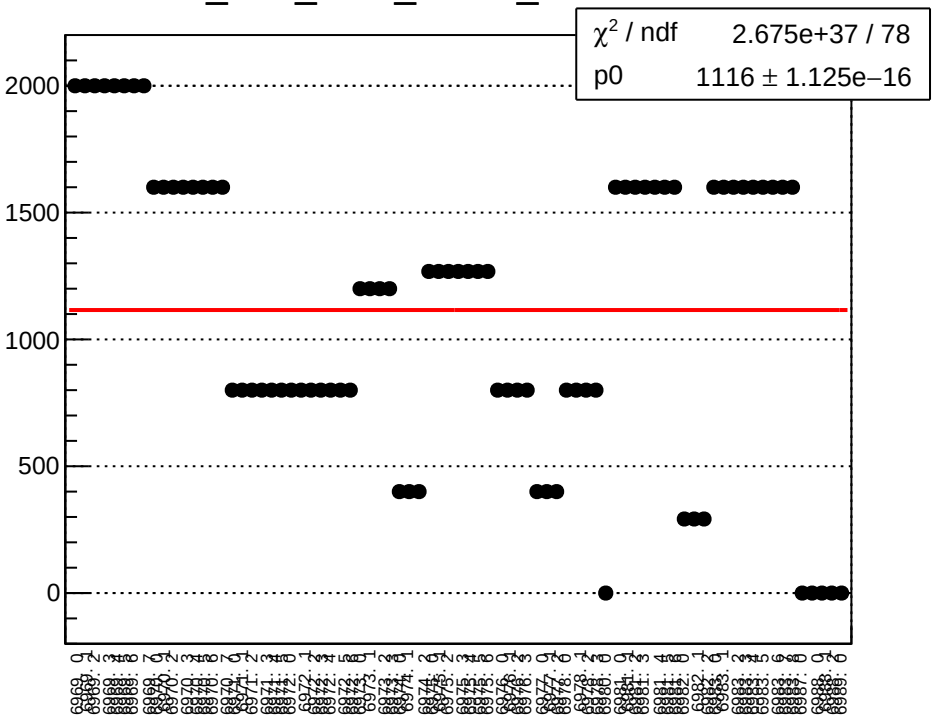


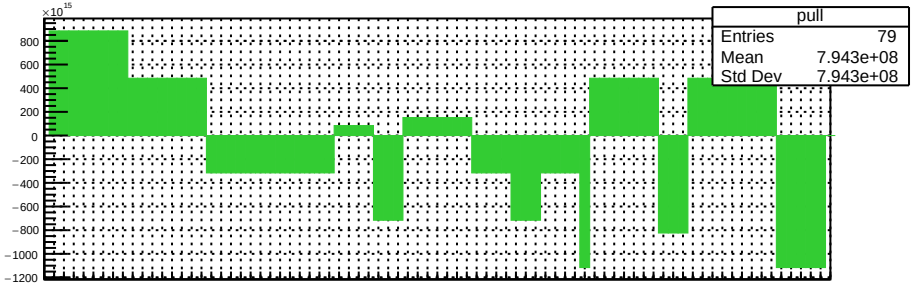
dit_4eY_coil6_err_mean vs run

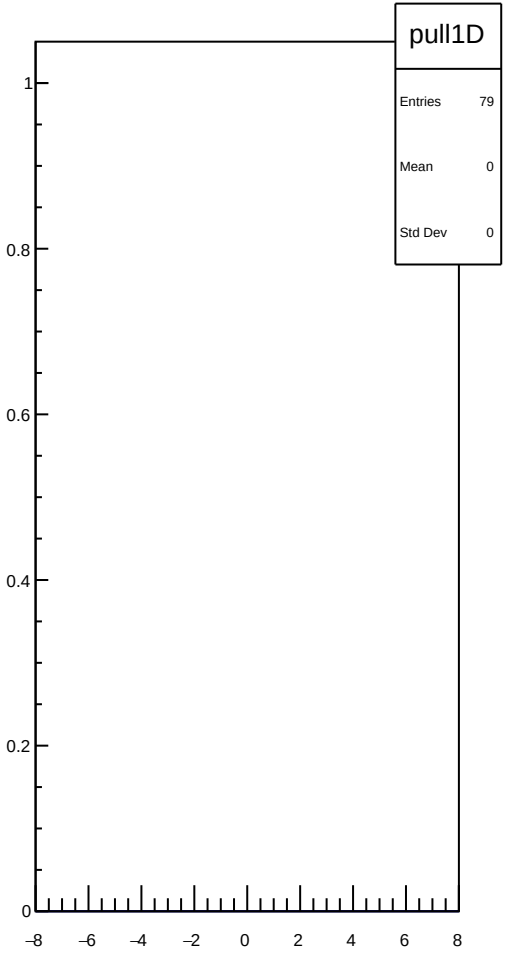


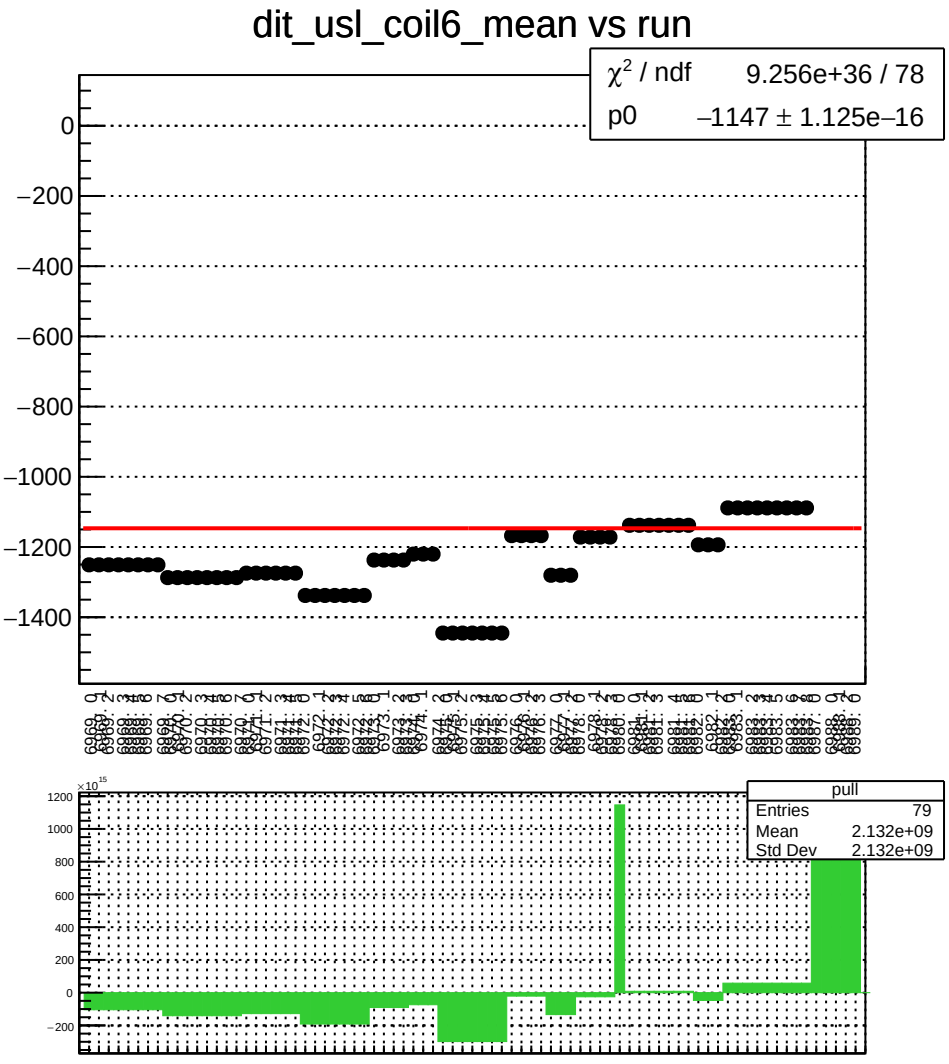


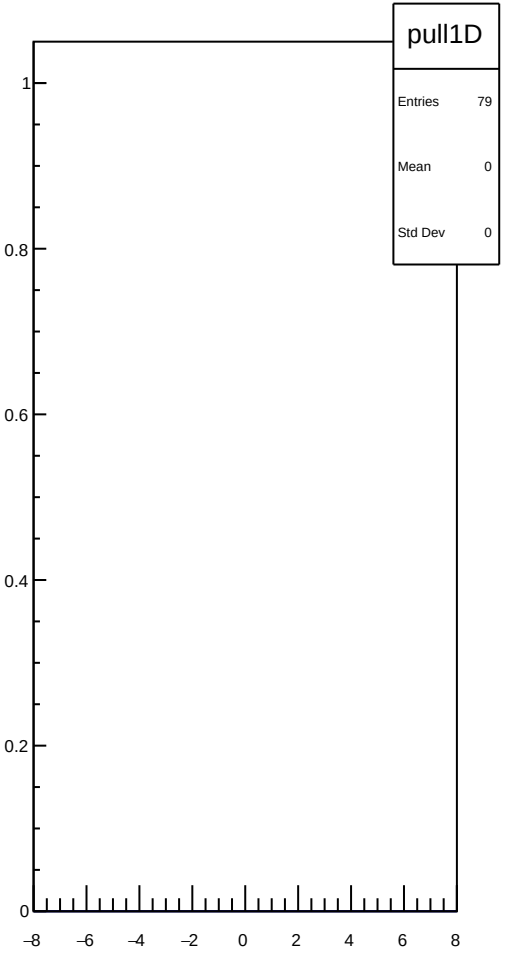
dit_4eY_coil6_Ndata_mean vs run



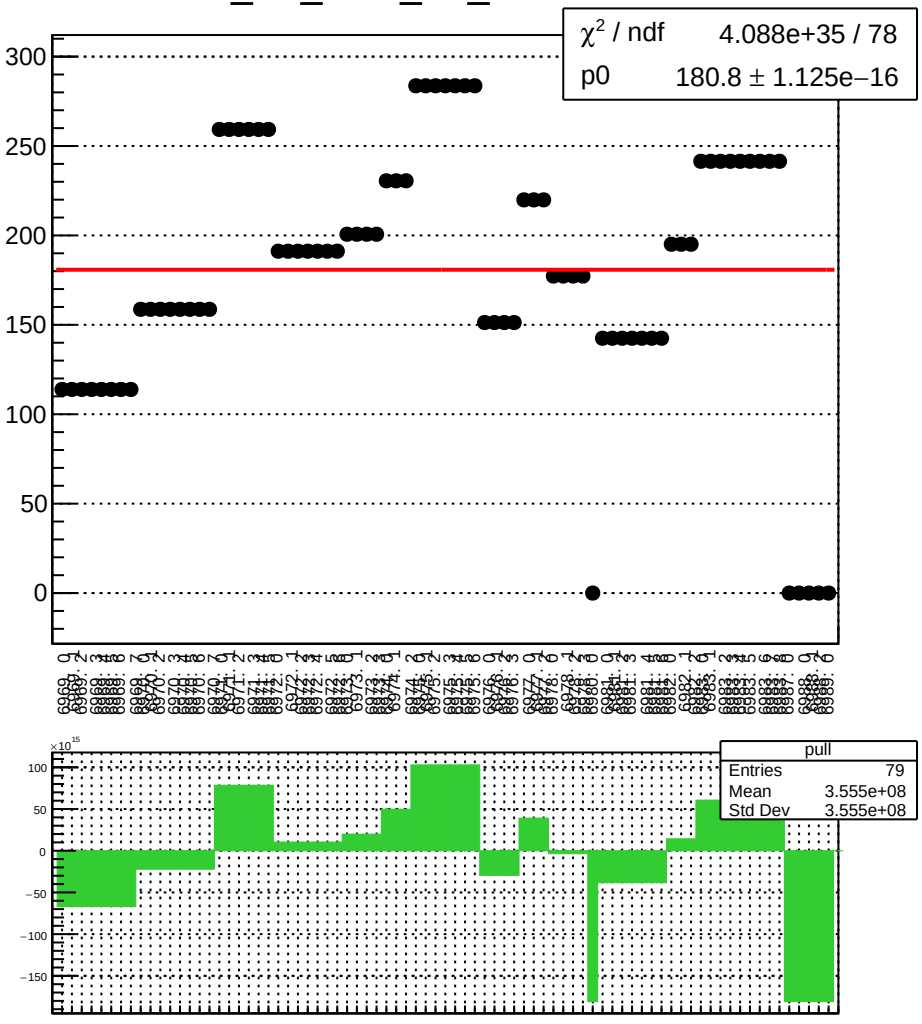


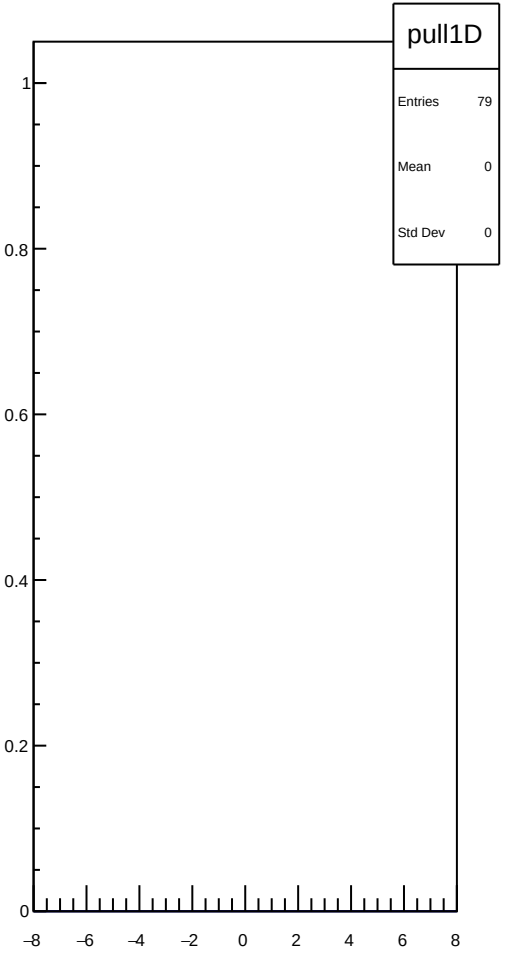


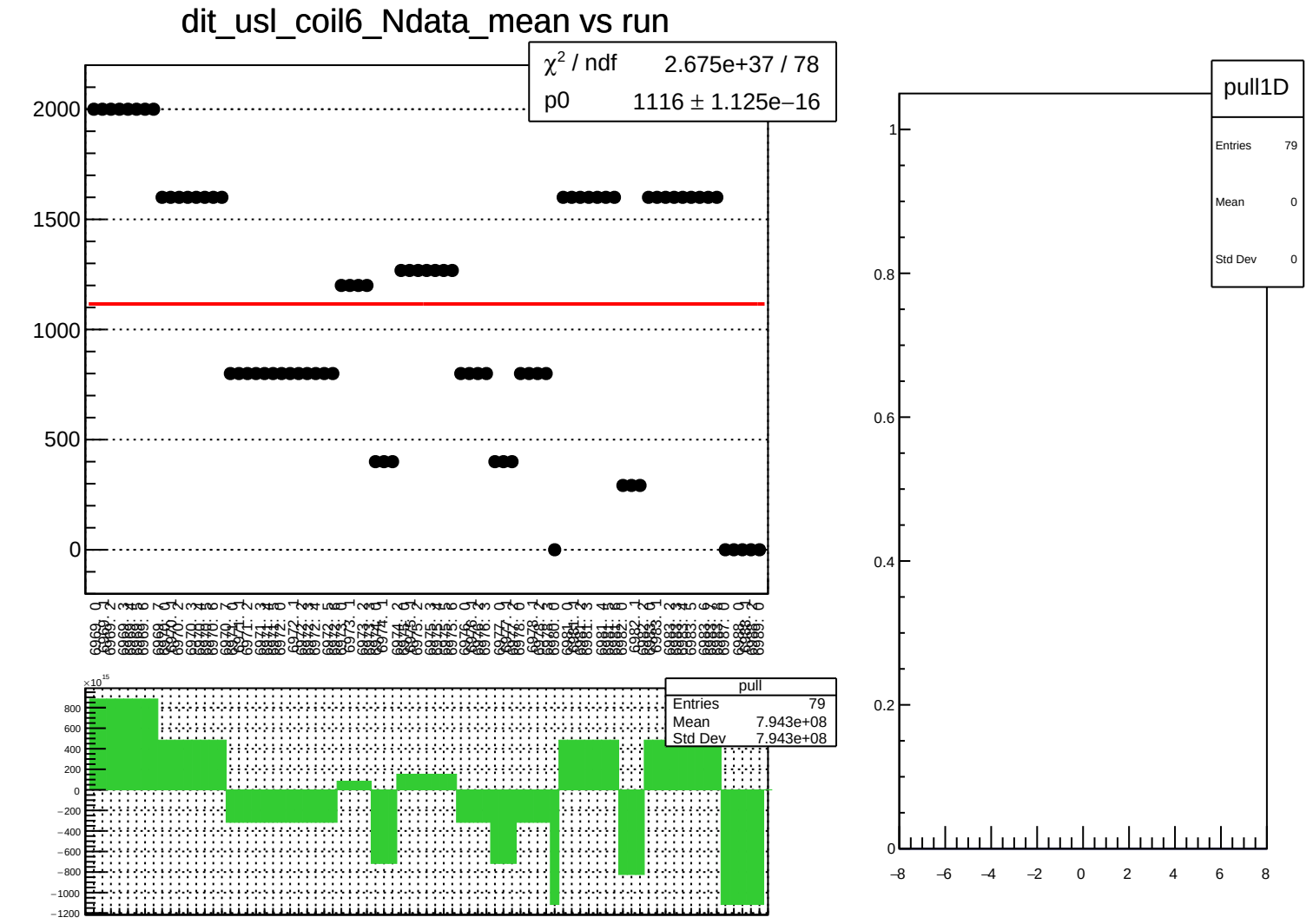

dit_usl_coil6_mean vs run
χ² / ndf 9.256e+36 / 78
p0 –1147 ± 1.125e–16
pull
Entries 79
Mean 2.132e+09
Std Dev 2.132e+09

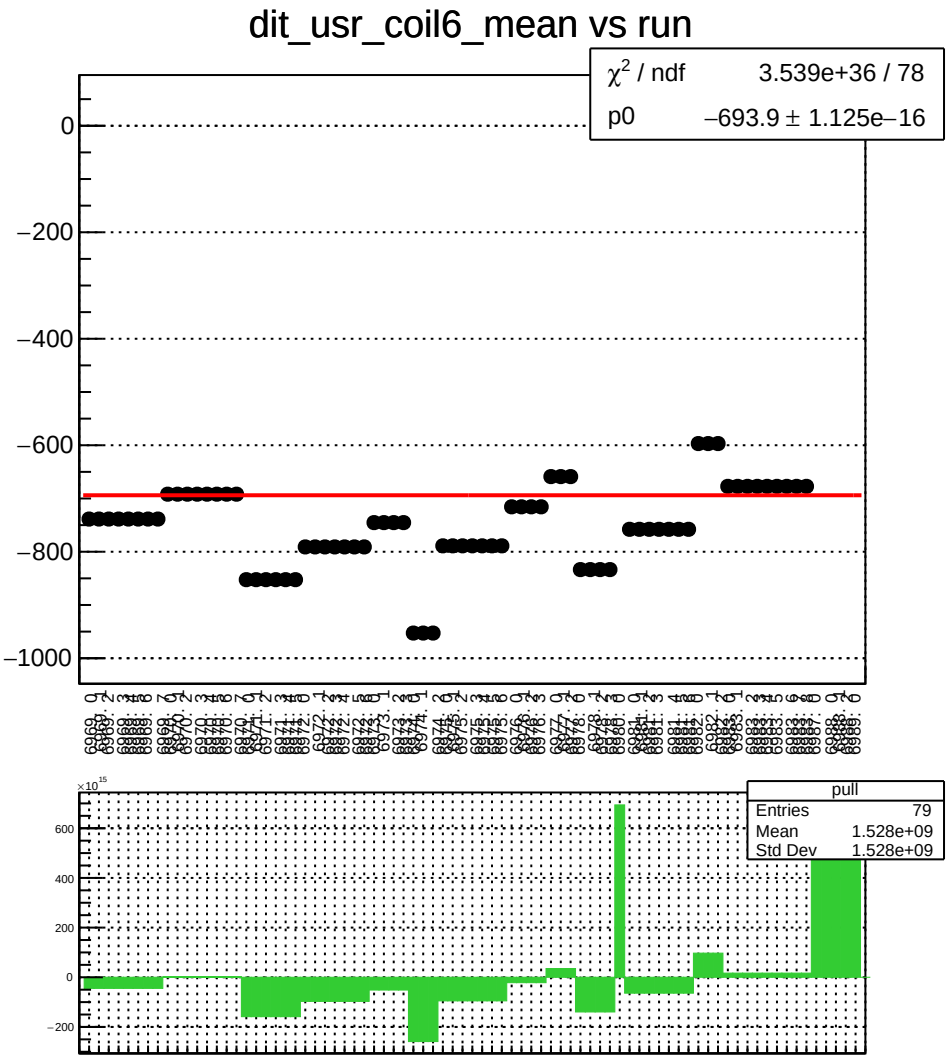

pull1D
Entries 79
Mean 0
Std Dev 0

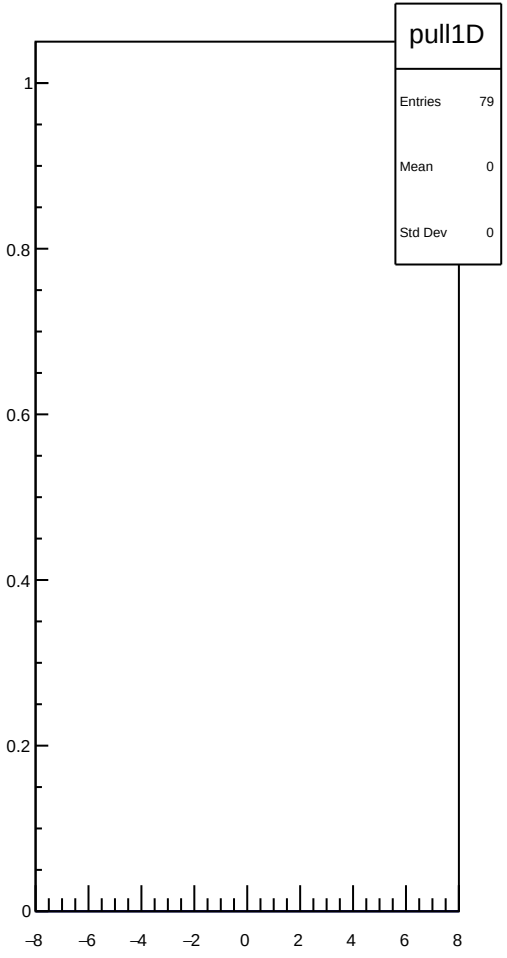
dit_usl_coil6_err_mean vs run

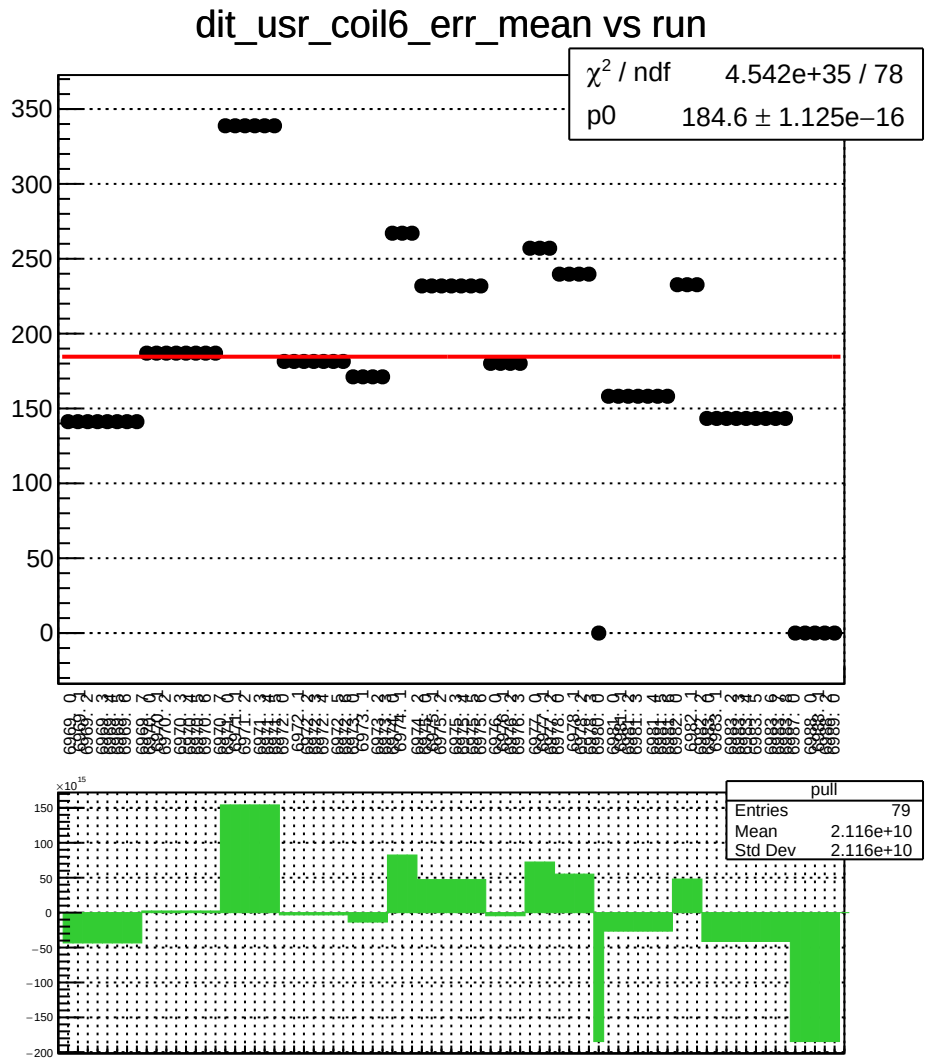


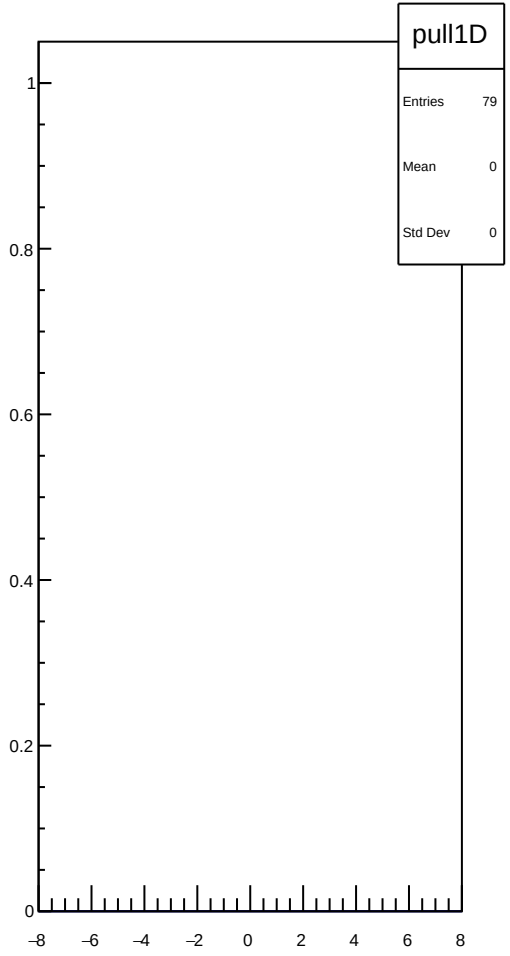


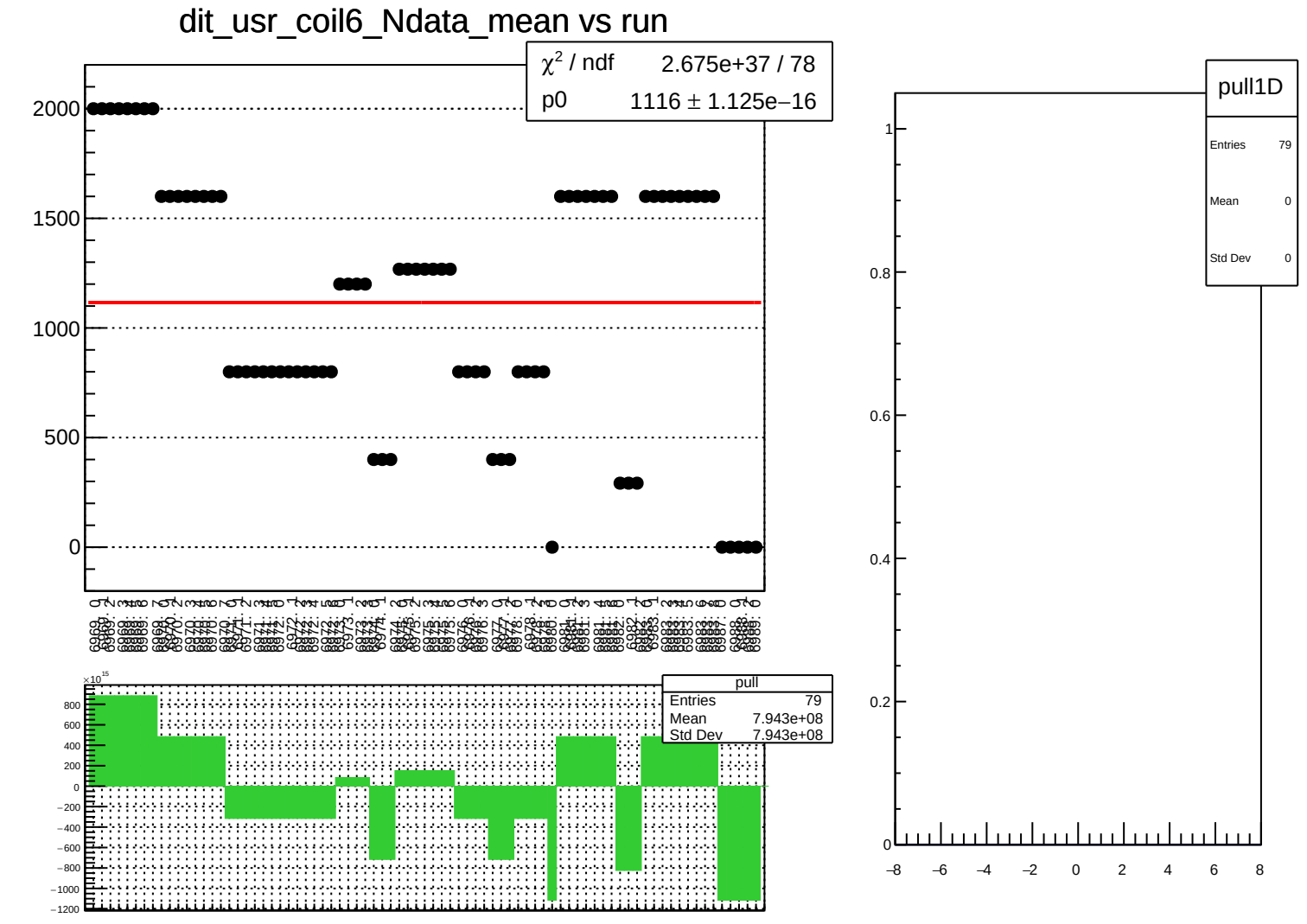

dit_usl_coil6_Ndata_mean vs run
χ² / ndf 2.675e+37 / 78
p0 1116 ± 1.125e−16
pull
Entries 79
Mean 7.943e+08
Std Dev 7.943e+08
pull1D
Entries 79
Mean 0
Std Dev 0

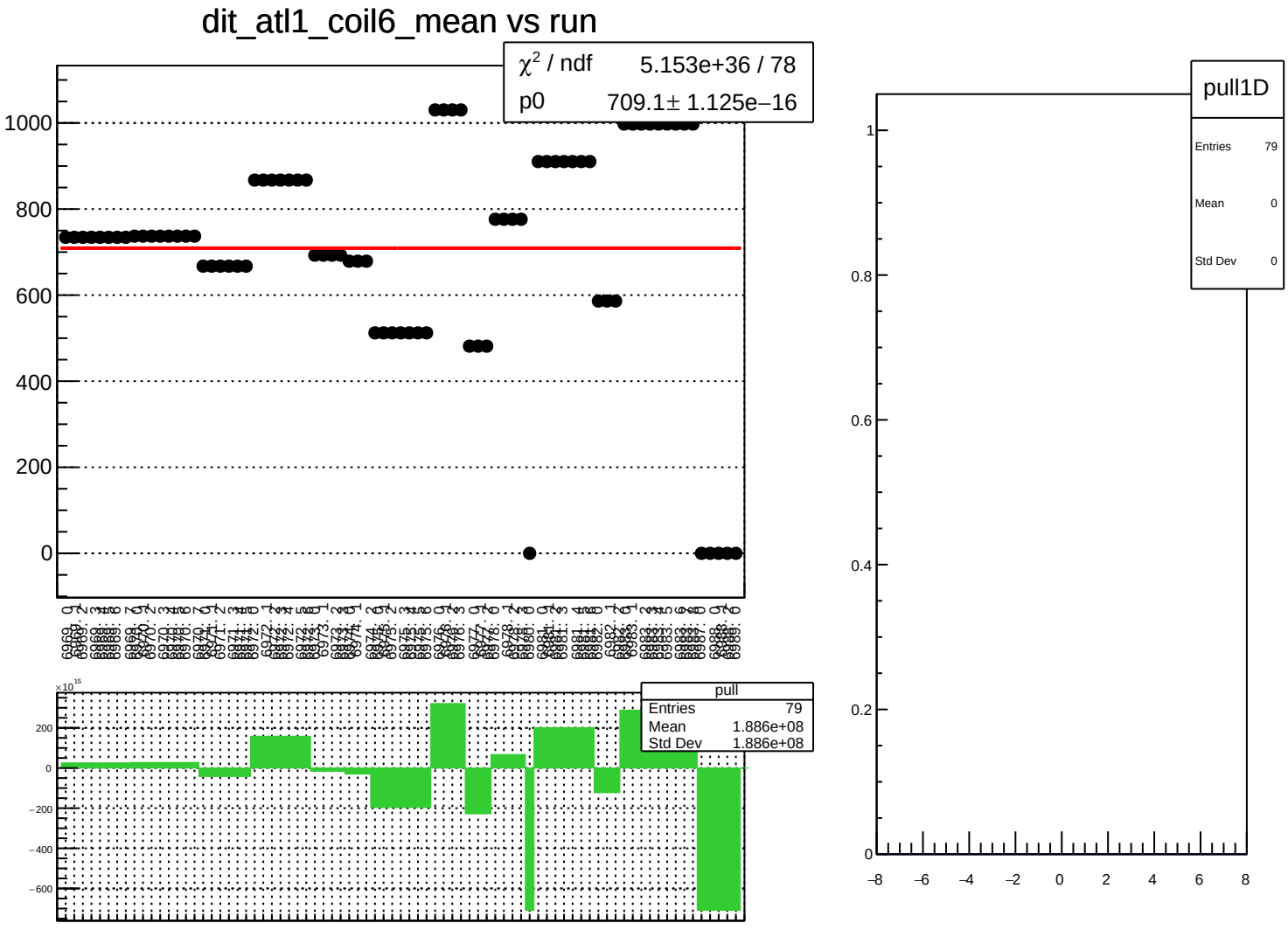

dit_usr_coil6_mean vs run
χ² / ndf 3.539e+36 / 78
p0 −693.9 ± 1.125e−16
0
−200
−400
−600
−800
−1000
pull
Entries 79
Mean 1.528e+09
Std Dev 1.528e+09
×10¹⁵
600
400
200
0
−200

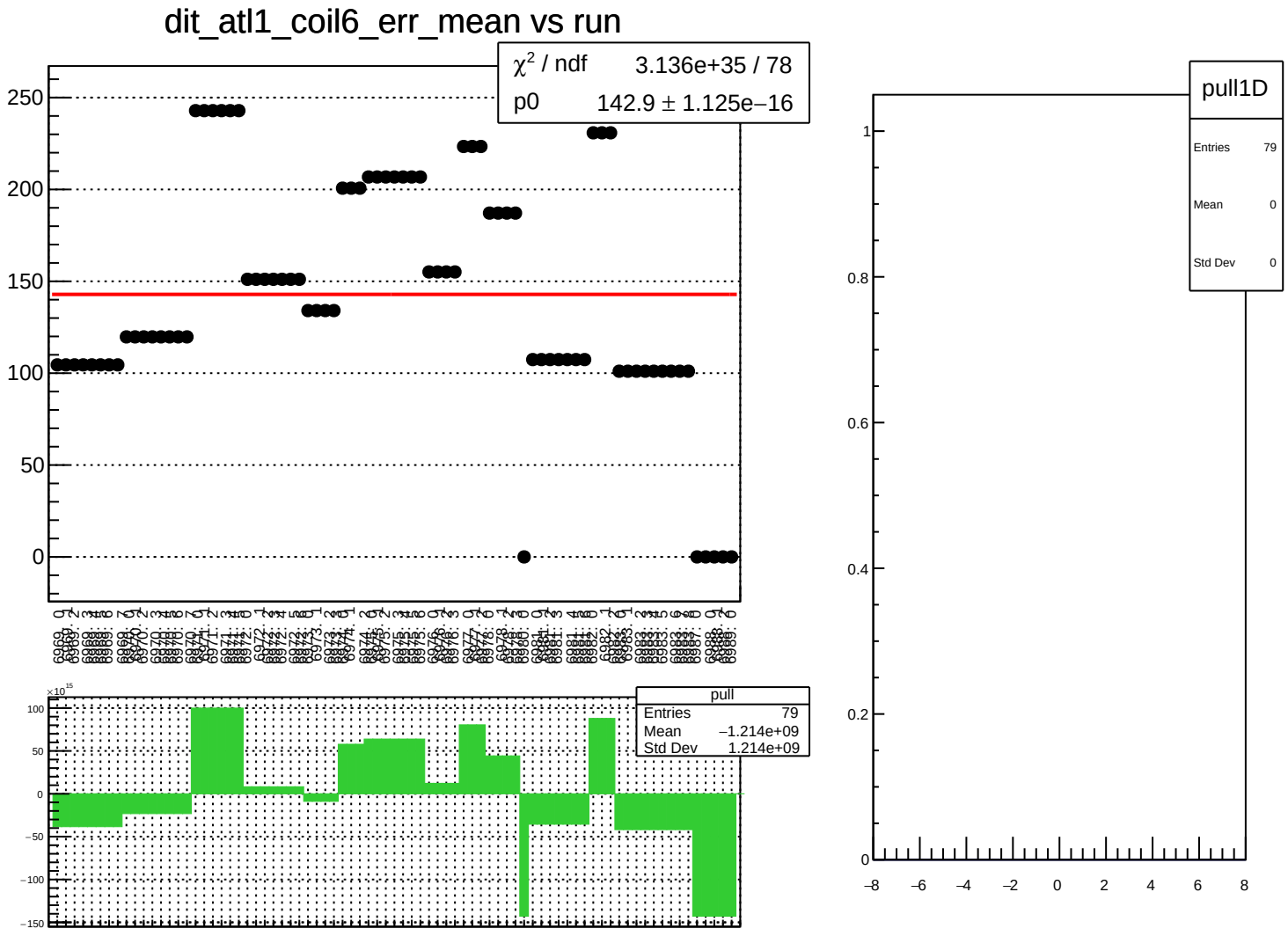

pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_usr_coil6_err_mean vs run
χ² / ndf 4.542e+35 / 78
p0 184.6 ± 1.125e−16
pull
Entries 79
Mean 2.116e+10
Std Dev 2.116e+10

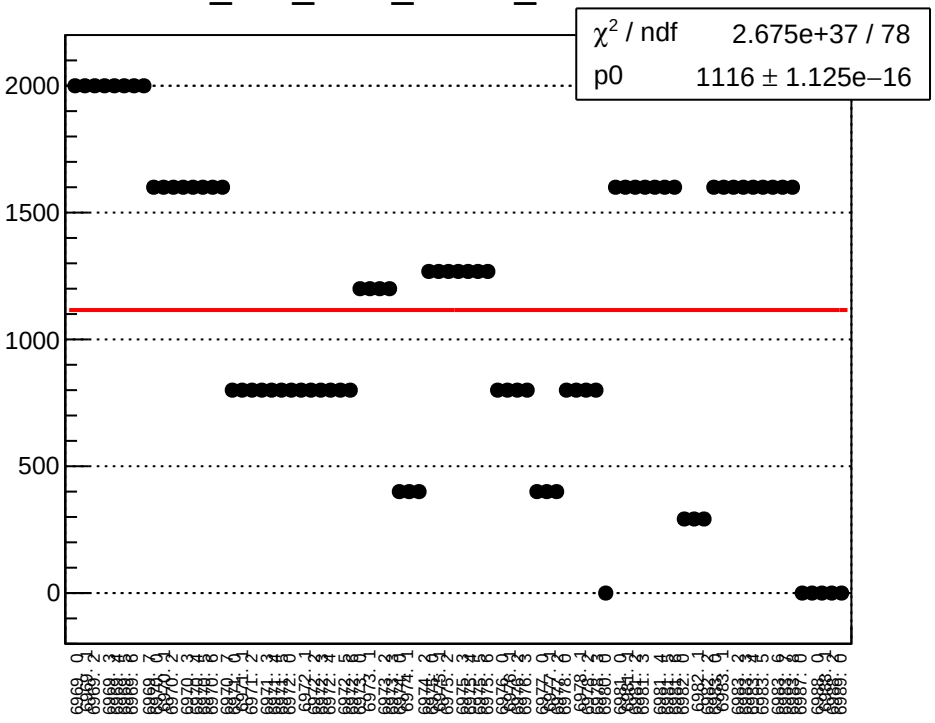

pull1D
Entries 79
Mean 0
Std Dev 0

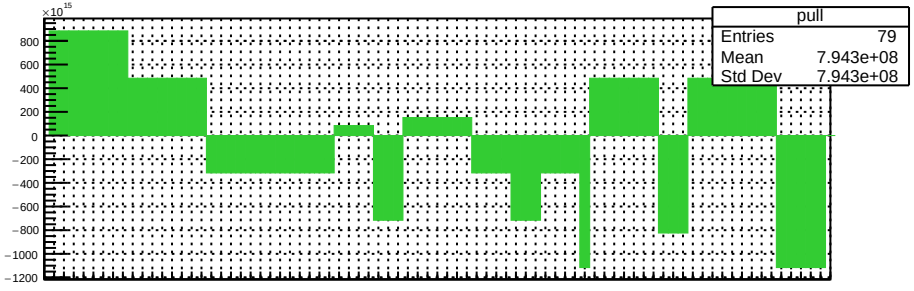

dit_usr_coil6_Ndata_mean vs run
χ² / ndf 2.675e+37 / 78
p0 1116 ± 1.125e−16
pull
Entries 79
Mean 7.943e+08
Std Dev 7.943e+08
pull1D
Entries 79
Mean 0
Std Dev 0

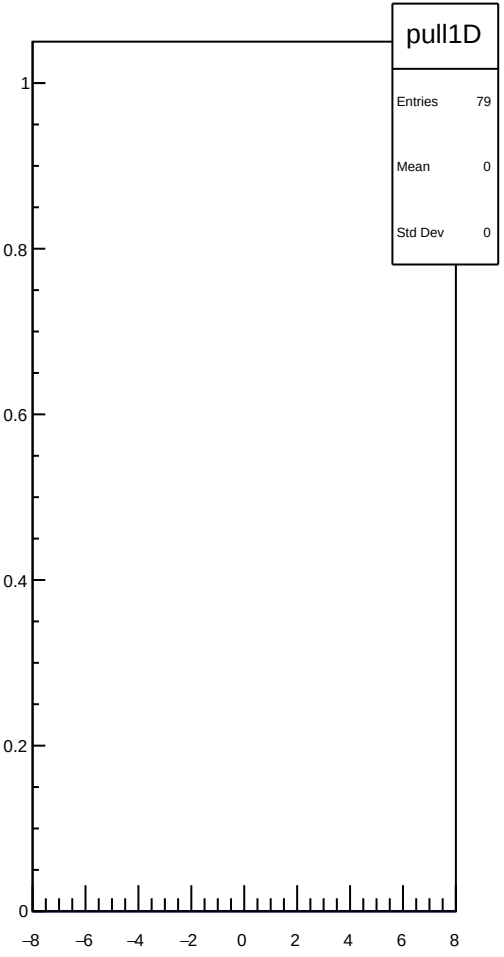

dit_atl1_coil6_mean vs run
χ^2 / ndf 5.153e+36 / 78
p0 709.1± 1.125e−16
pull
Entries 79
Mean 1.886e+08
Std Dev 1.886e+08
pull1D
Entries 79
Mean 0
Std Dev 0

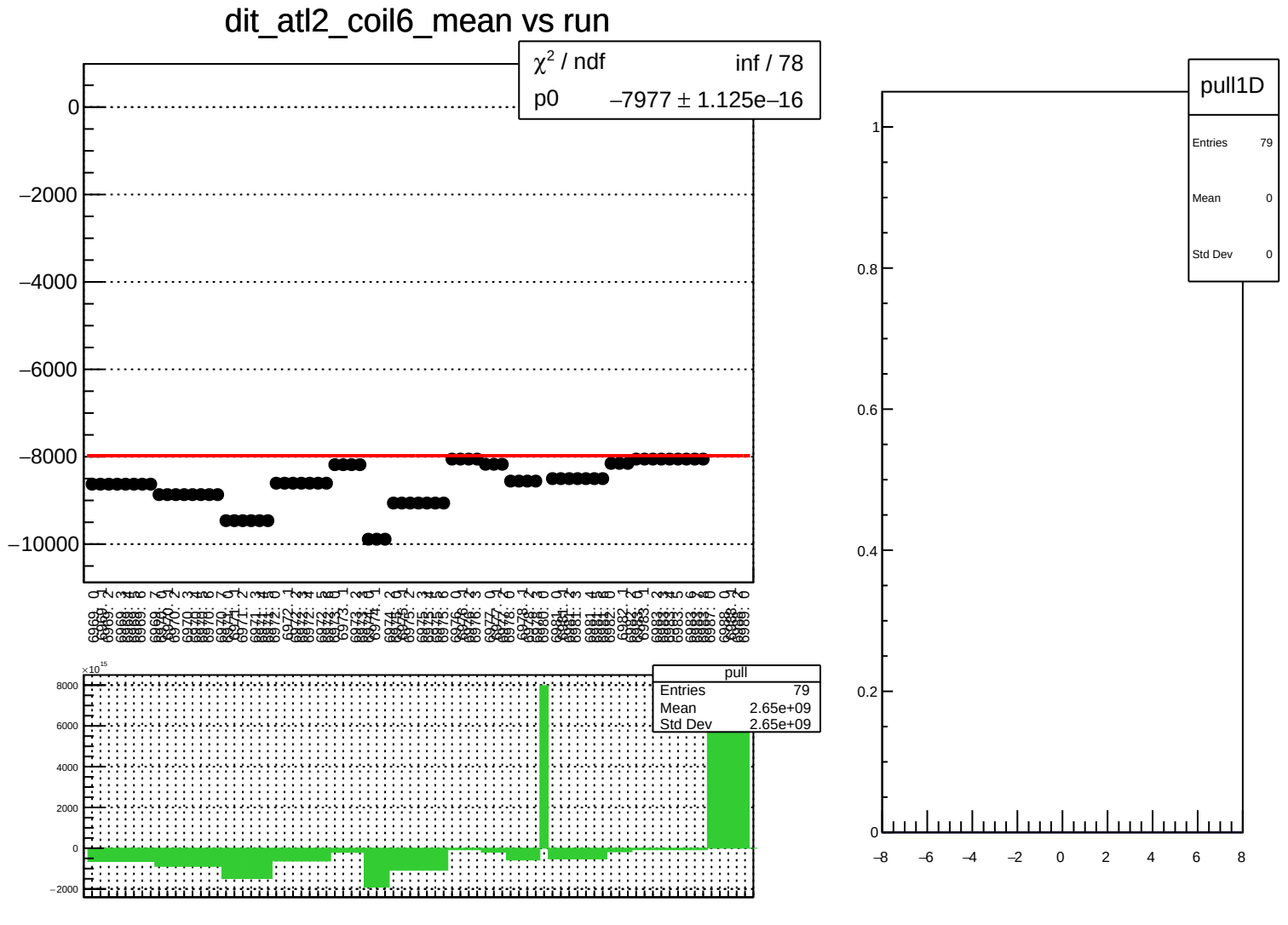

dit_atl1_coil6_err_mean vs run
χ² / ndf 3.136e+35 / 78
p0 142.9 ± 1.125e−16
pull
Entries 79
Mean −1.214e+09
Std Dev 1.214e+09
pull1D
Entries 79
Mean 0
Std Dev 0

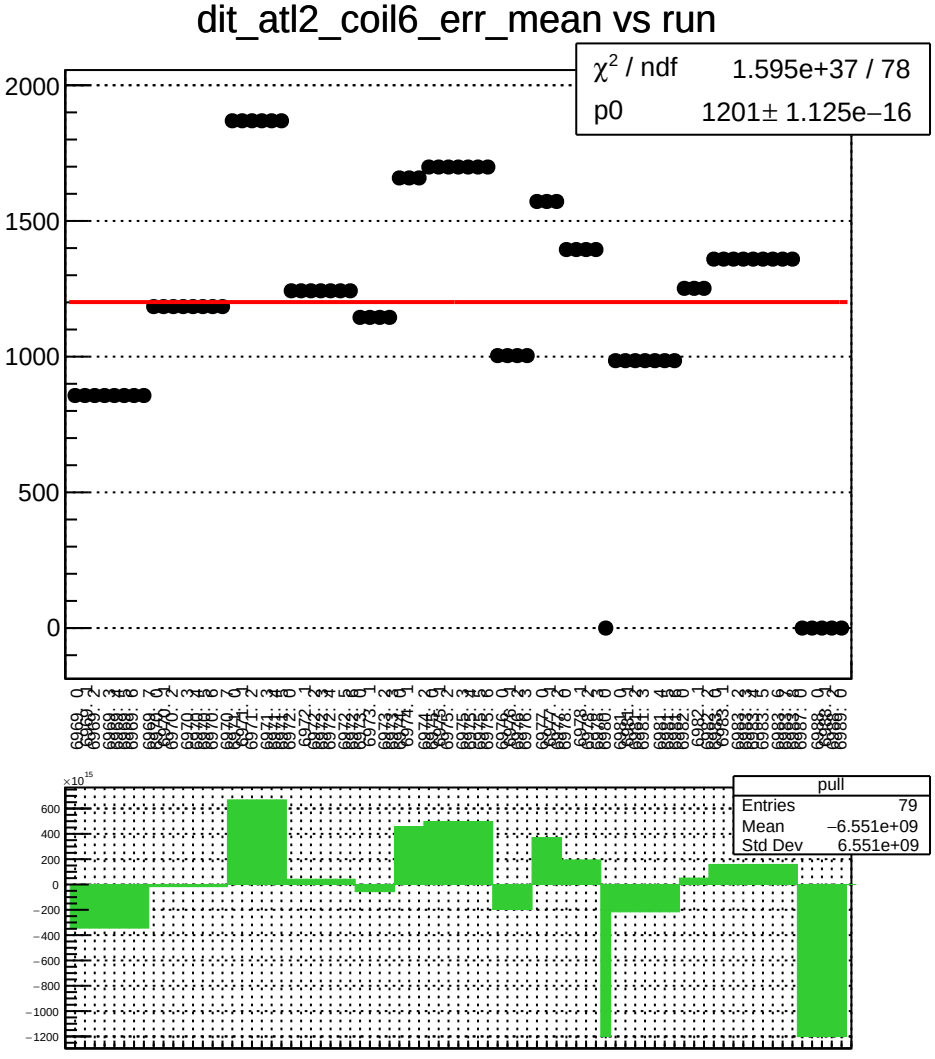
dit_atl1_coil6_Ndata_mean vs run

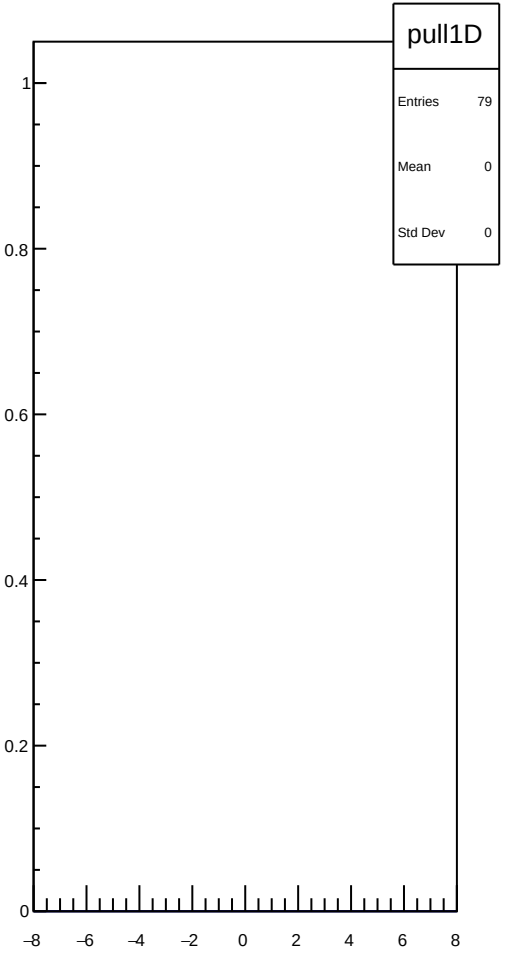




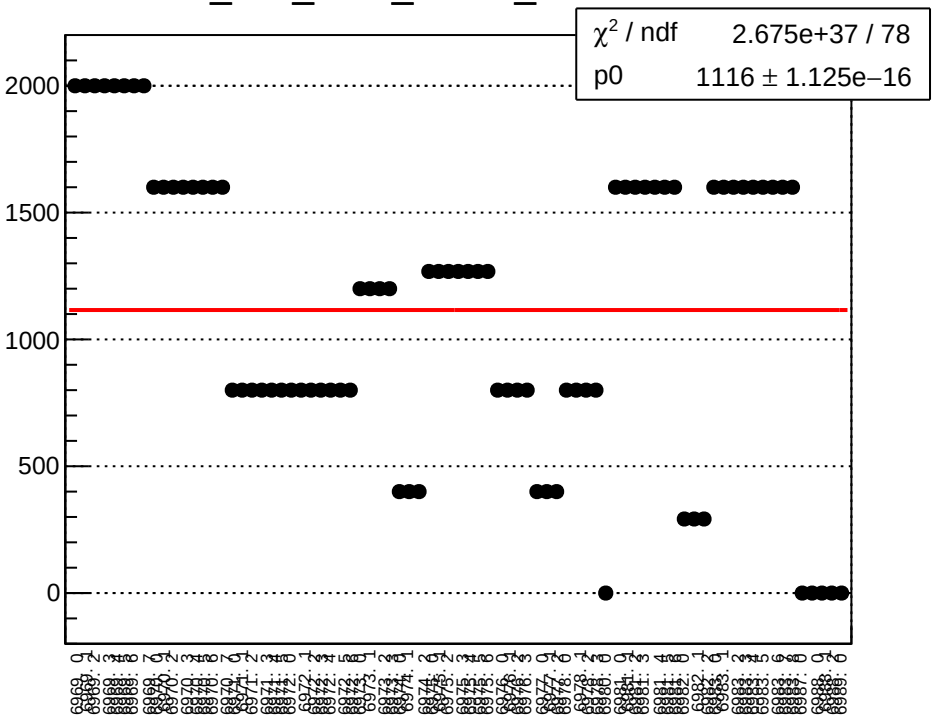


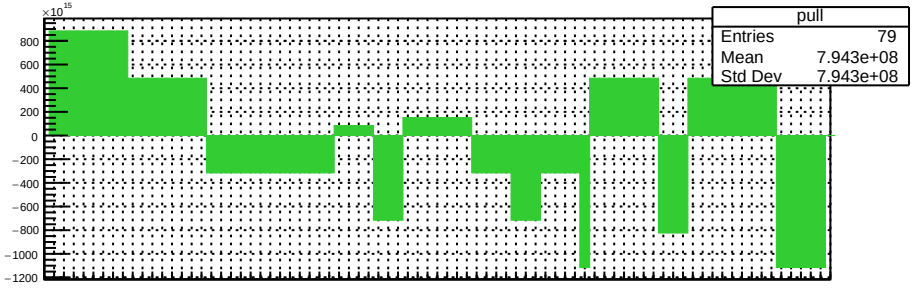

dit_atl2_coil6_mean vs run
χ² / ndf inf / 78
p0 −7977 ± 1.125e−16
0
−2000
−4000
−6000
−8000
−10000
pull
Entries 79
Mean 2.65e+09
Std Dev 2.65e+09
×10¹⁵
8000
6000
4000
2000
0
−2000
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

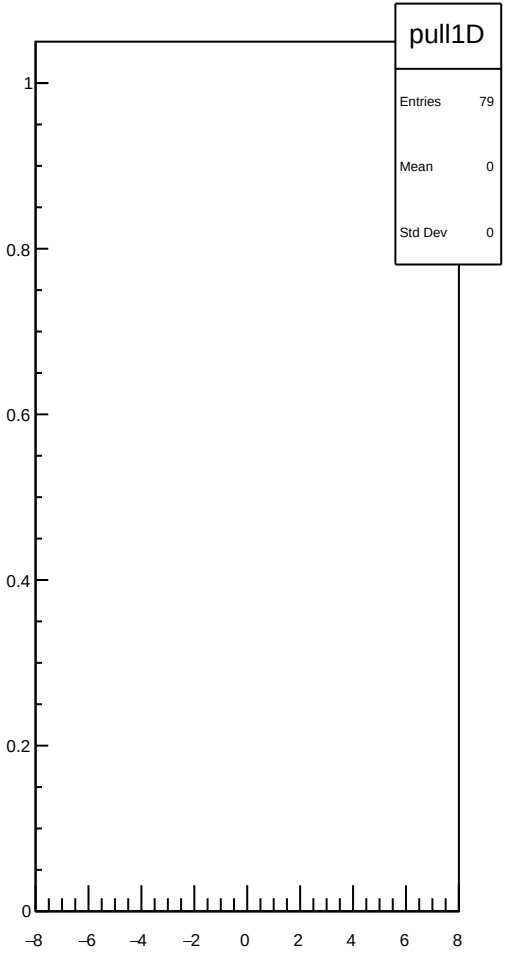

dit_atl2_coil6_err_mean vs run
χ² / ndf 1.595e+37 / 78
p0 1201± 1.125e−16
2000
1500
1000
500
0
pull
Entries 79
Mean −6.551e+09
Std Dev 6.551e+09
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200

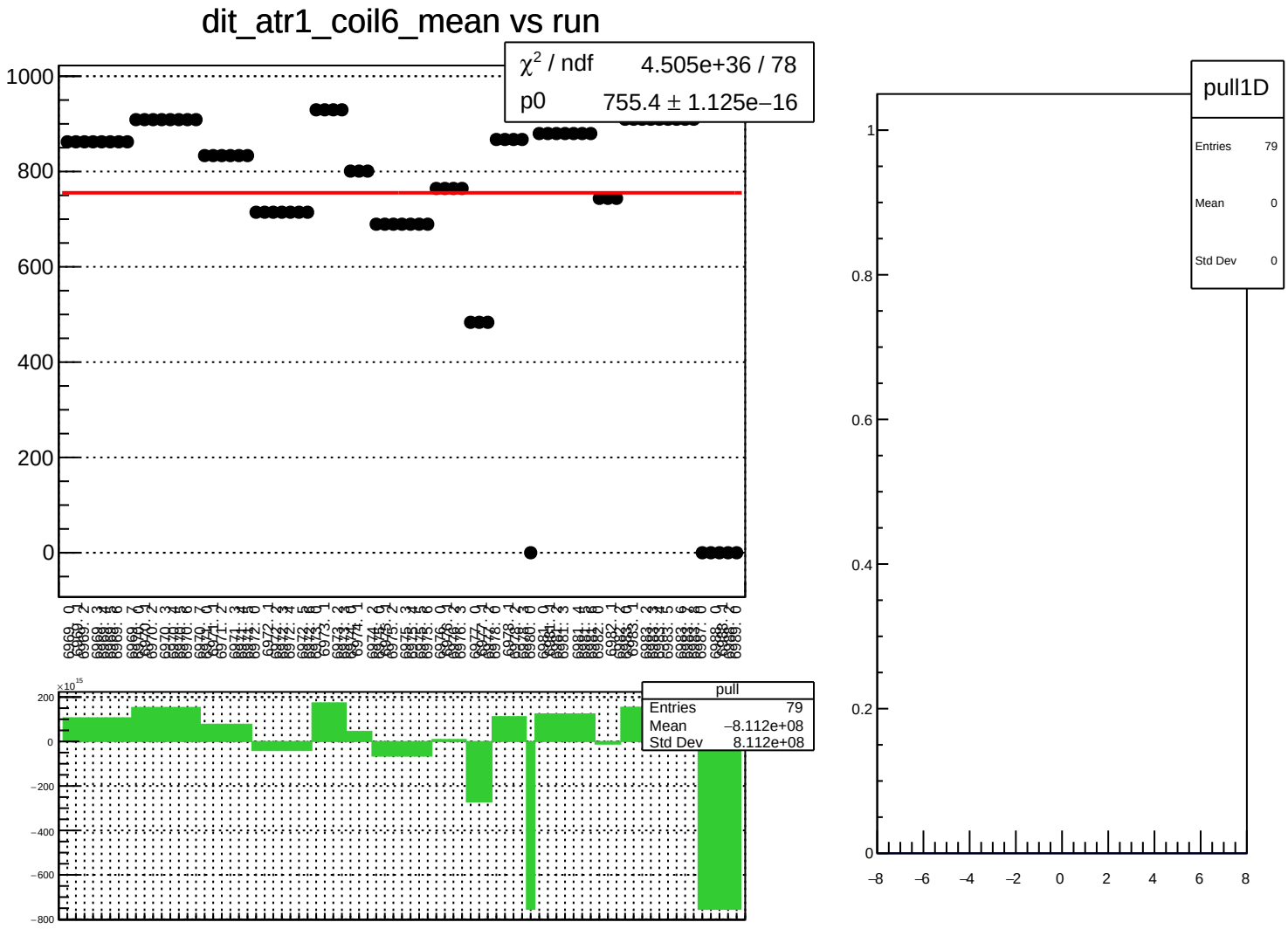

pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_coil6_Ndata_mean vs run

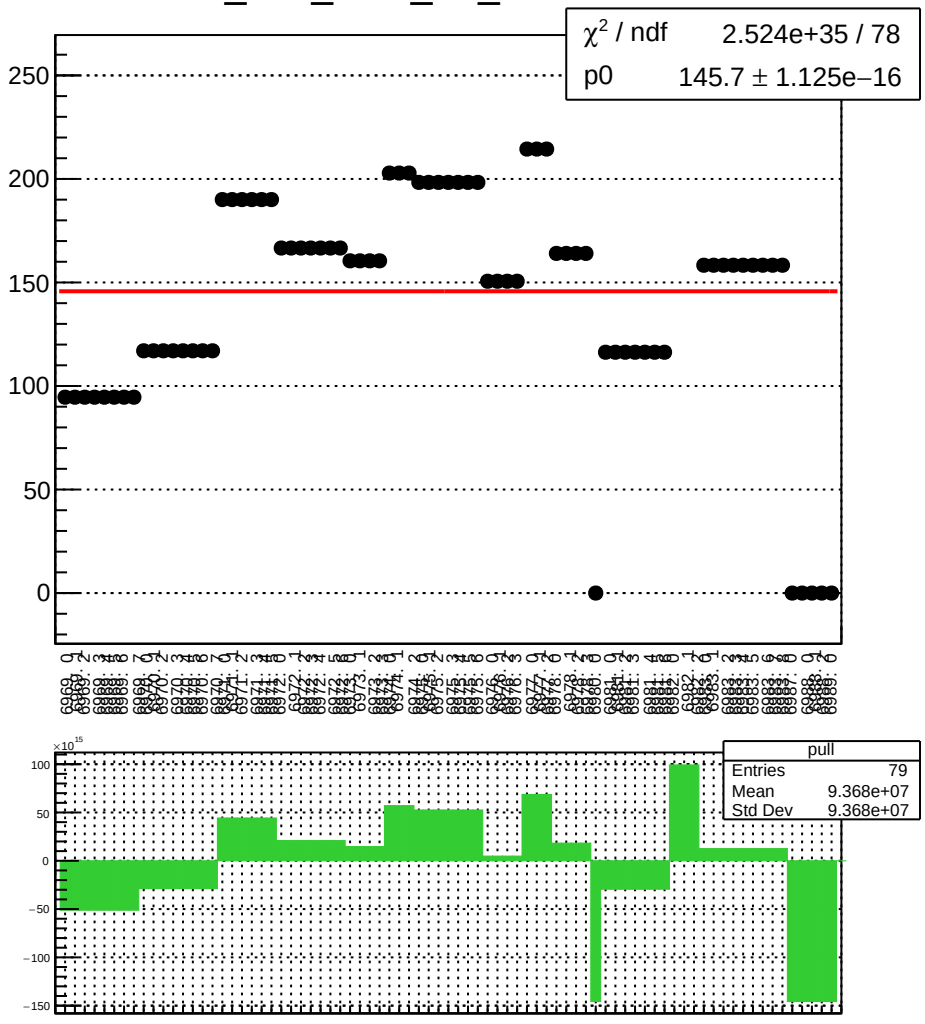


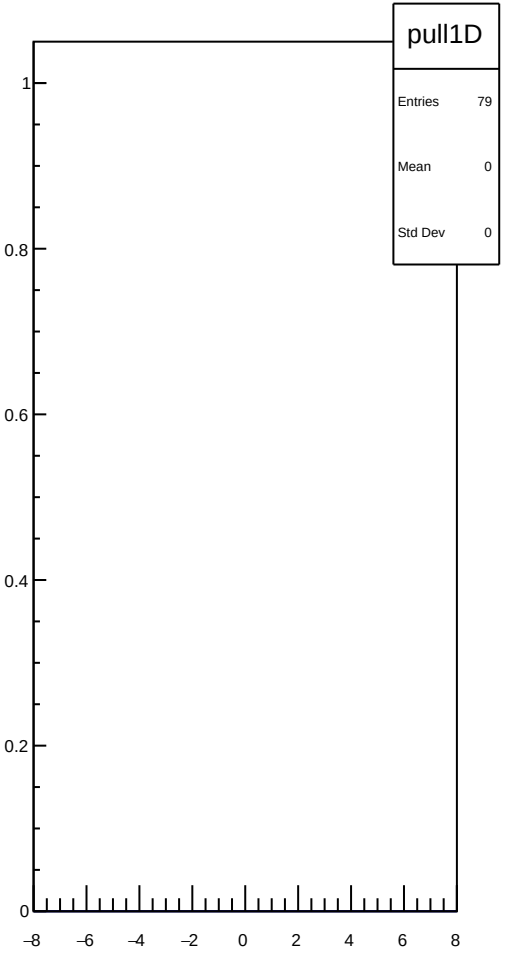


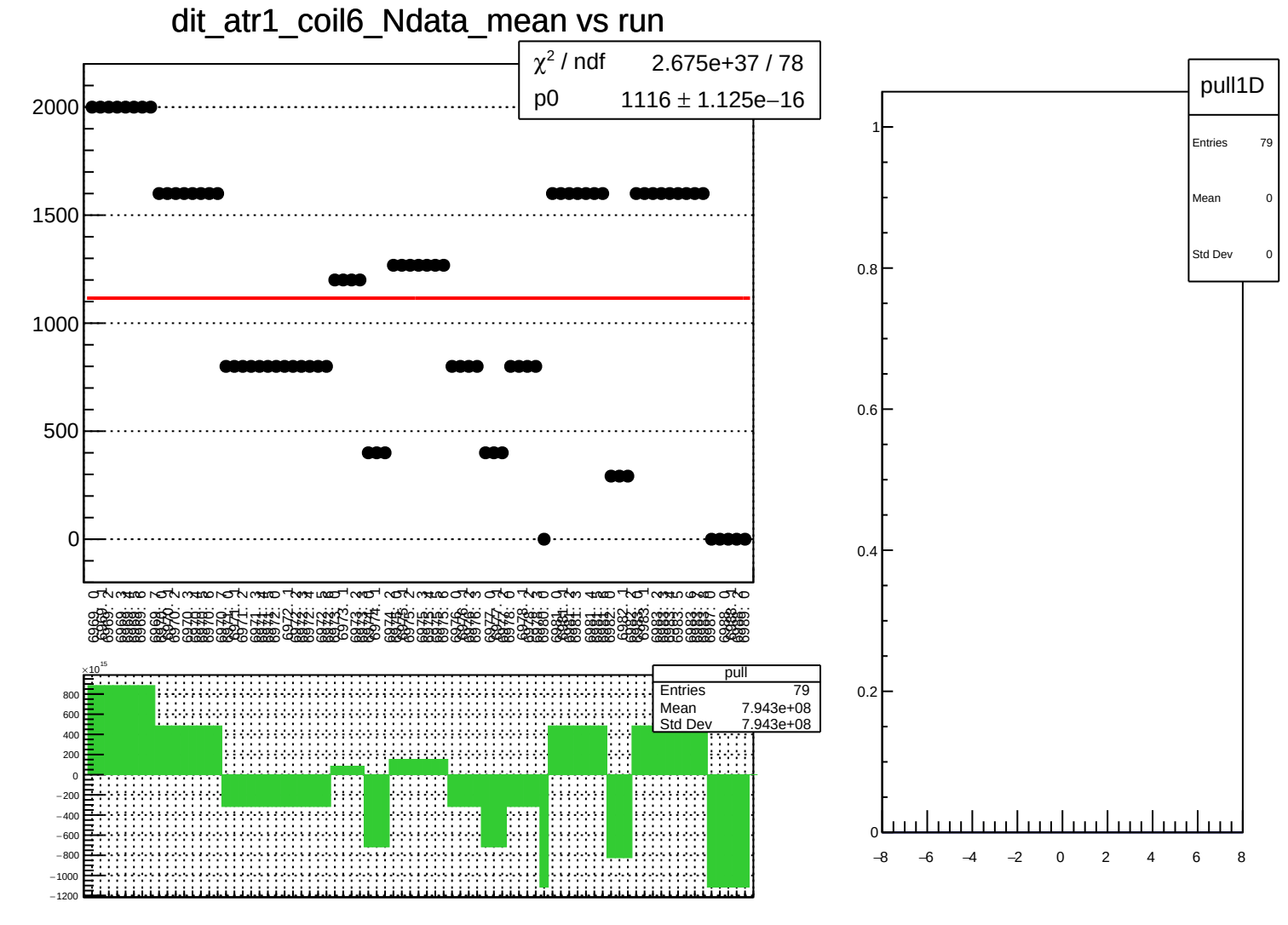


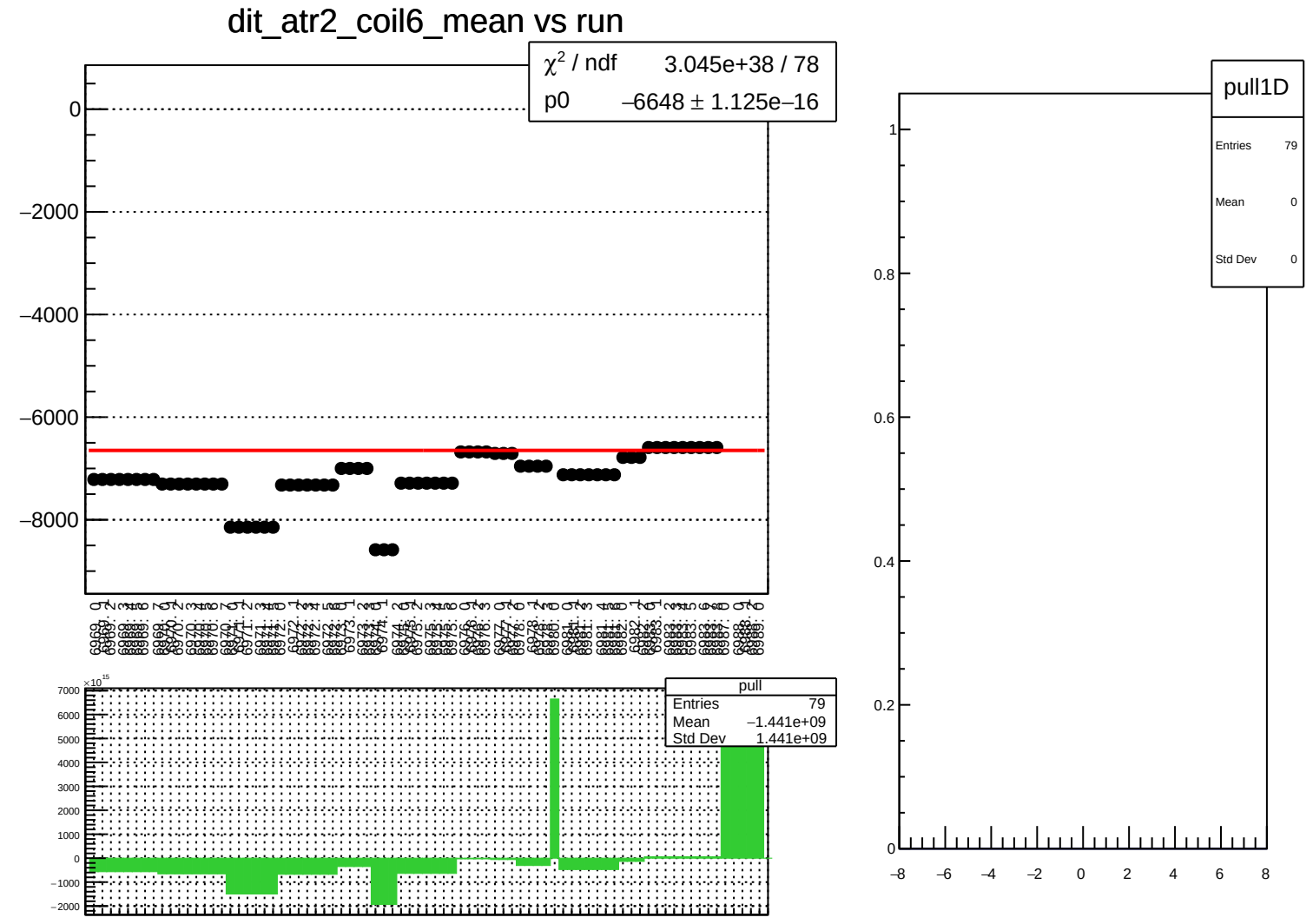

dit_atr1_coil6_mean vs run
χ^2 / ndf 4.505e+36 / 78
p0 755.4 ± 1.125e−16
pull
Entries 79
Mean −8.112e+08
Std Dev 8.112e+08
pull1D
Entries 79
Mean 0
Std Dev 0

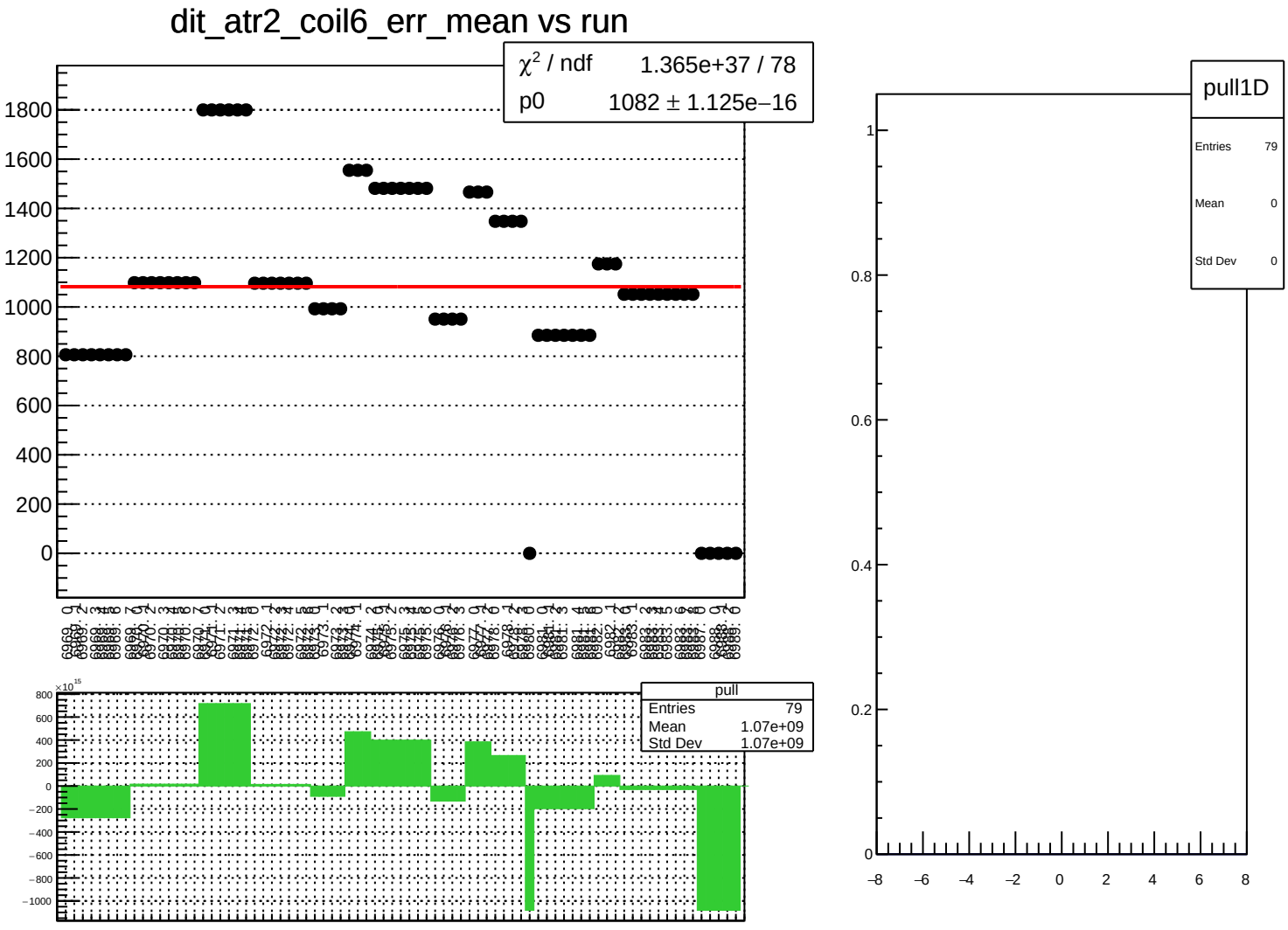
dit_atr1_coil6_err_mean vs run

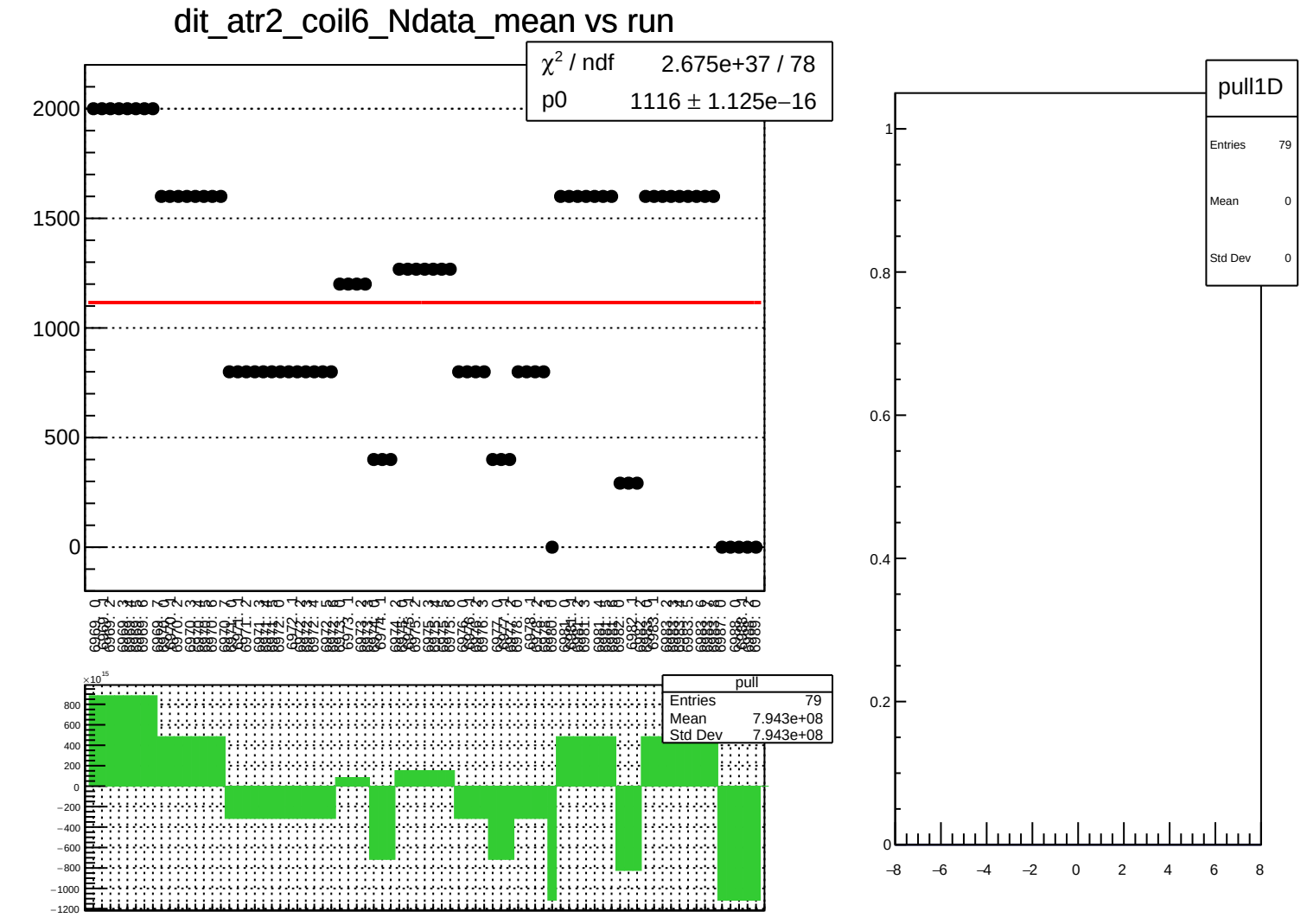




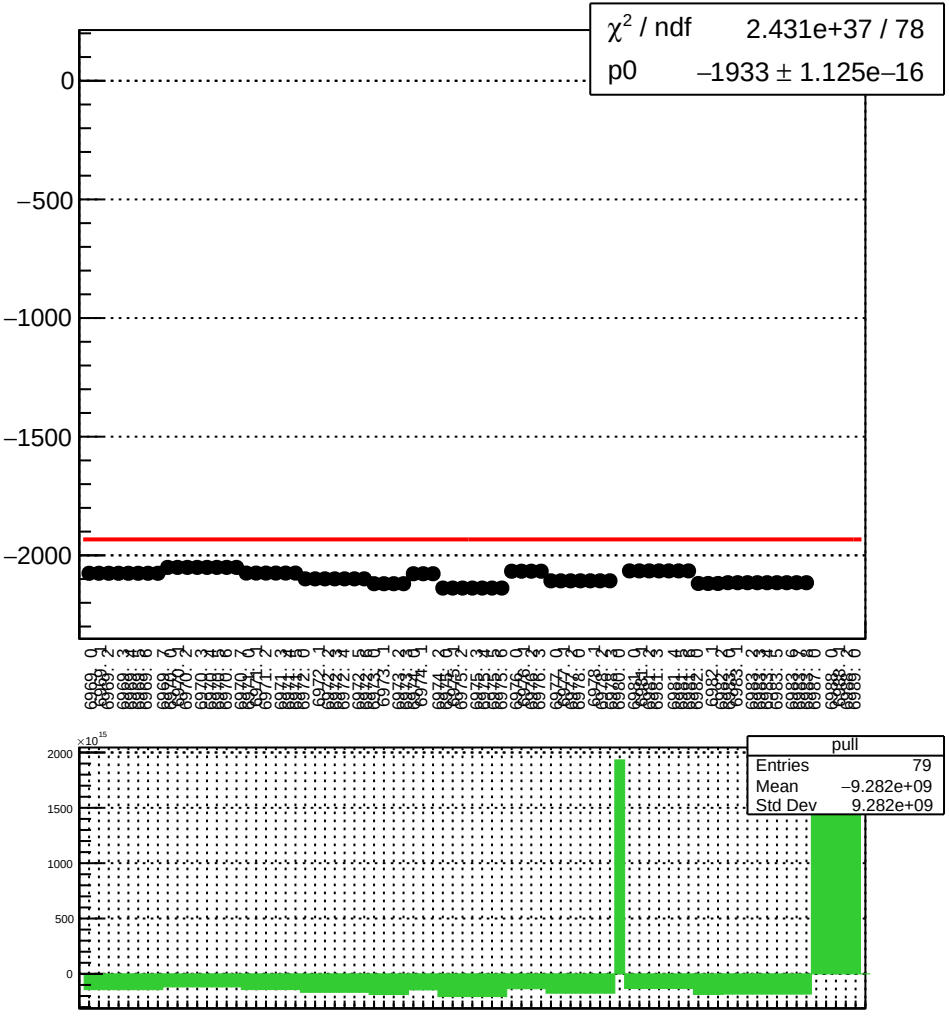

dit_atr1_coil6_Ndata_mean vs run
χ² / ndf 2.675e+37 / 78
p0 1116 ± 1.125e−16
2000
1500
1000
500
0
pull
Entries 79
Mean 7.943e+08
Std Dev 7.943e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

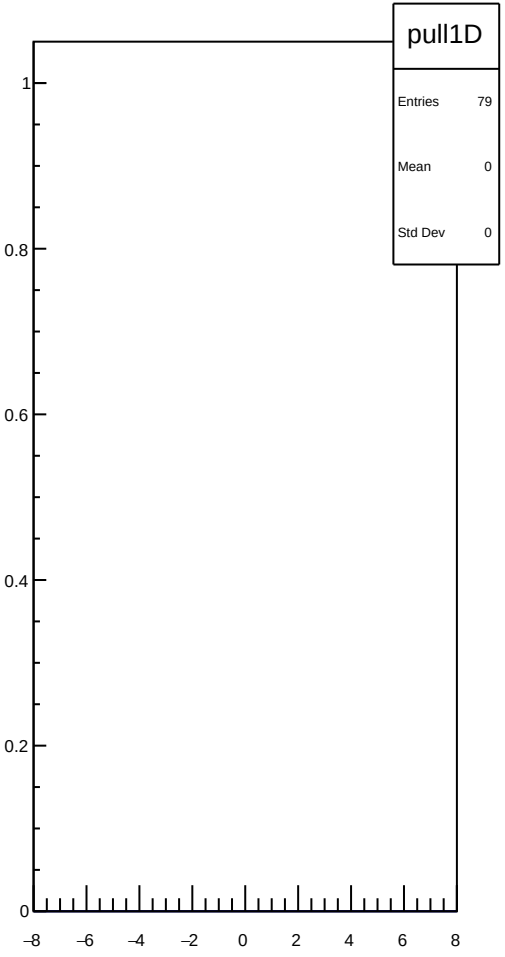

dit_atr2_coil6_mean vs run
χ² / ndf 3.045e+38 / 78
p0 −6648 ± 1.125e−16
0
−2000
−4000
−6000
−8000
pull
Entries 79
Mean −1.441e+09
Std Dev 1.441e+09
×10¹⁵
7000
6000
5000
4000
3000
2000
1000
0
−1000
−2000
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

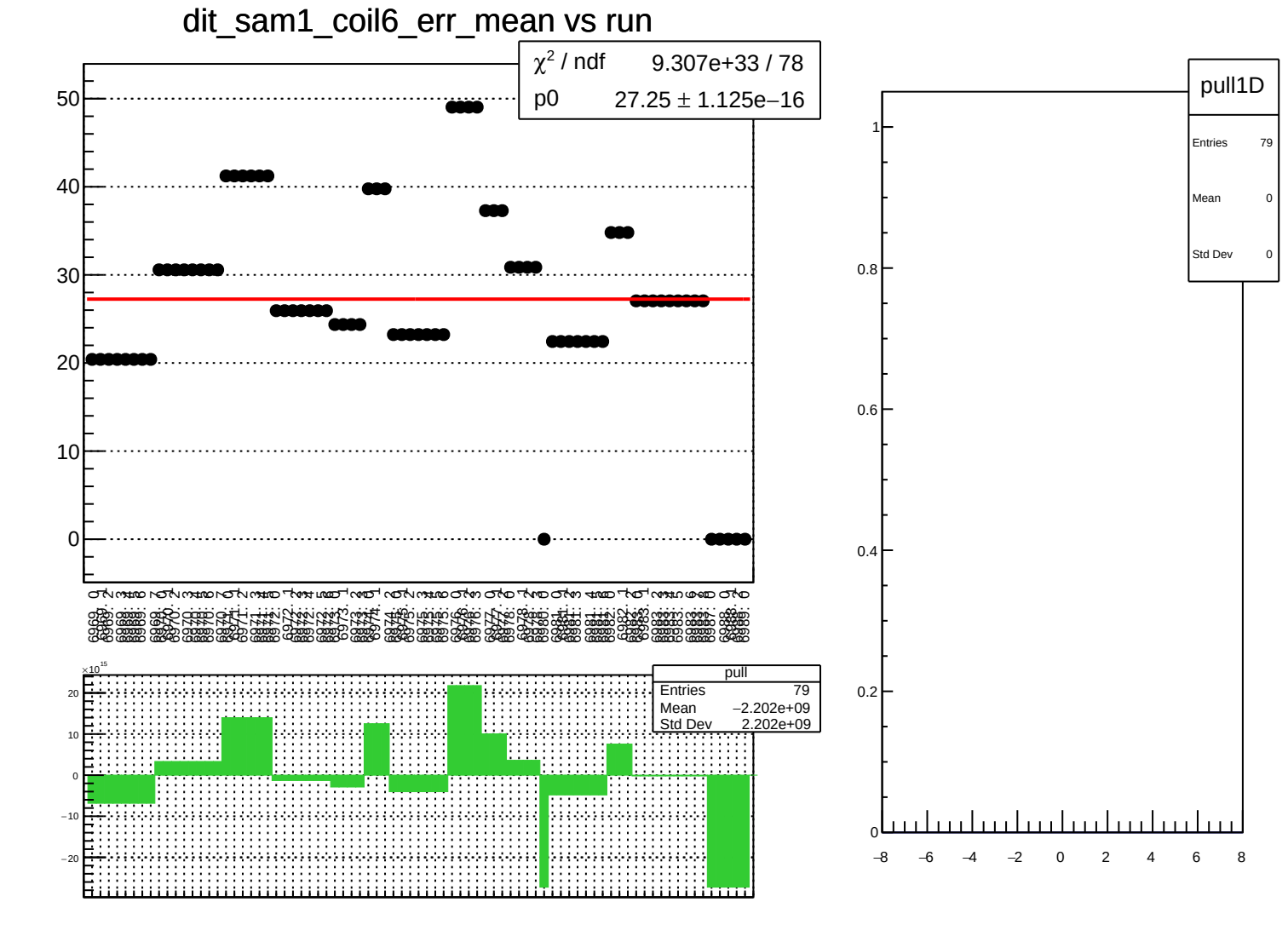

dit_atr2_coil6_err_mean vs run
χ² / ndf 1.365e+37 / 78
p0 1082 ± 1.125e−16
pull
Entries 79
Mean 1.07e+09
Std Dev 1.07e+09
pull1D
Entries 79
Mean 0
Std Dev 0


dit_atr2_coil6_Ndata_mean vs run
χ² / ndf 2.675e+37 / 78
p0 1116 ± 1.125e−16
2000
1500
1000
500
0
pull
Entries 79
Mean 7.943e+08
Std Dev 7.943e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

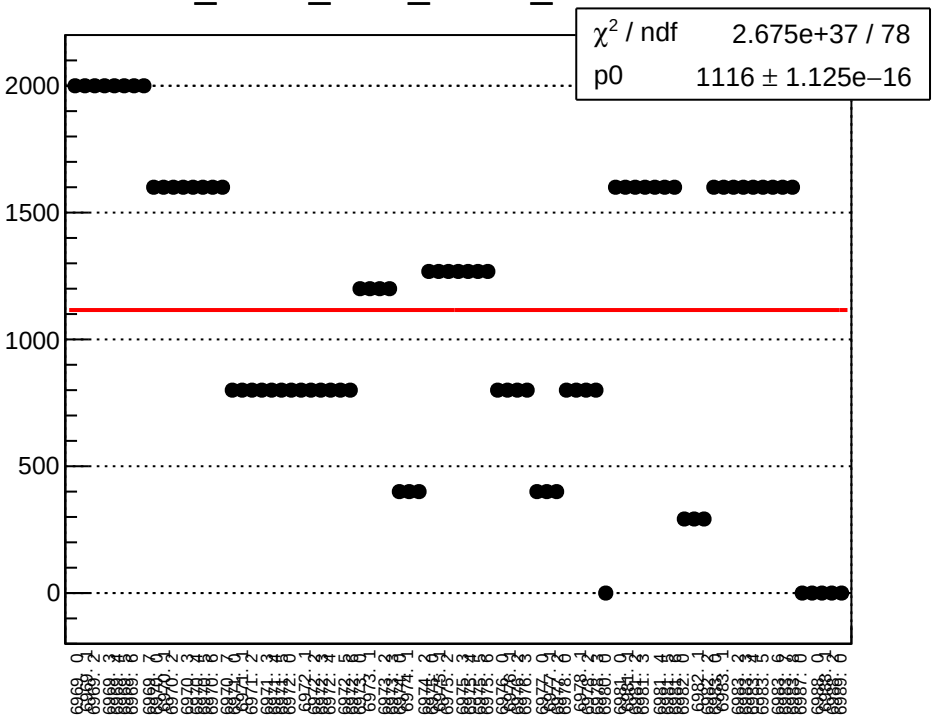
dit_sam1_coil6_mean vs run

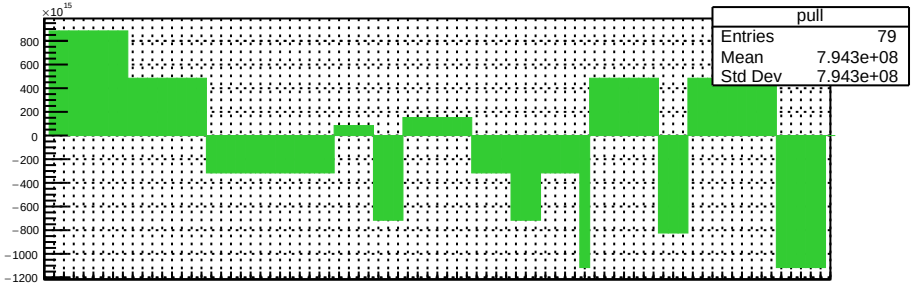


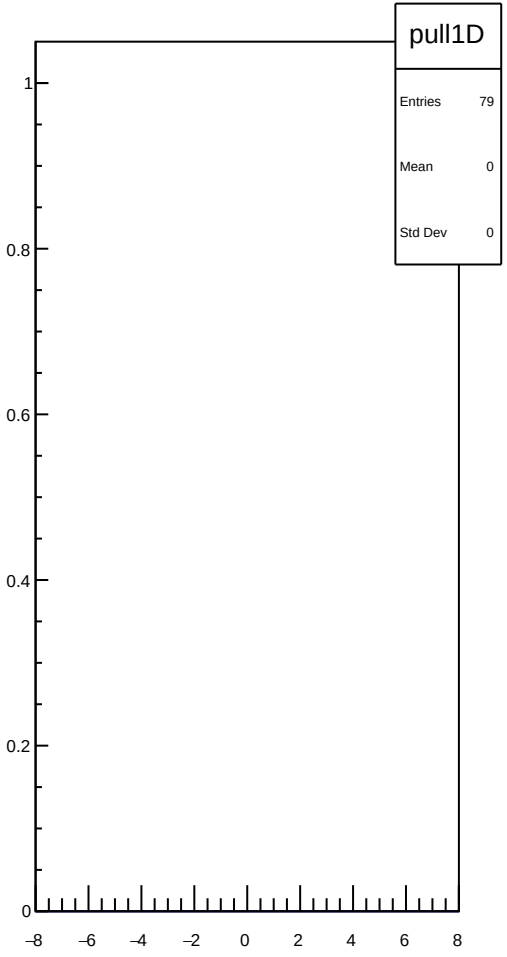


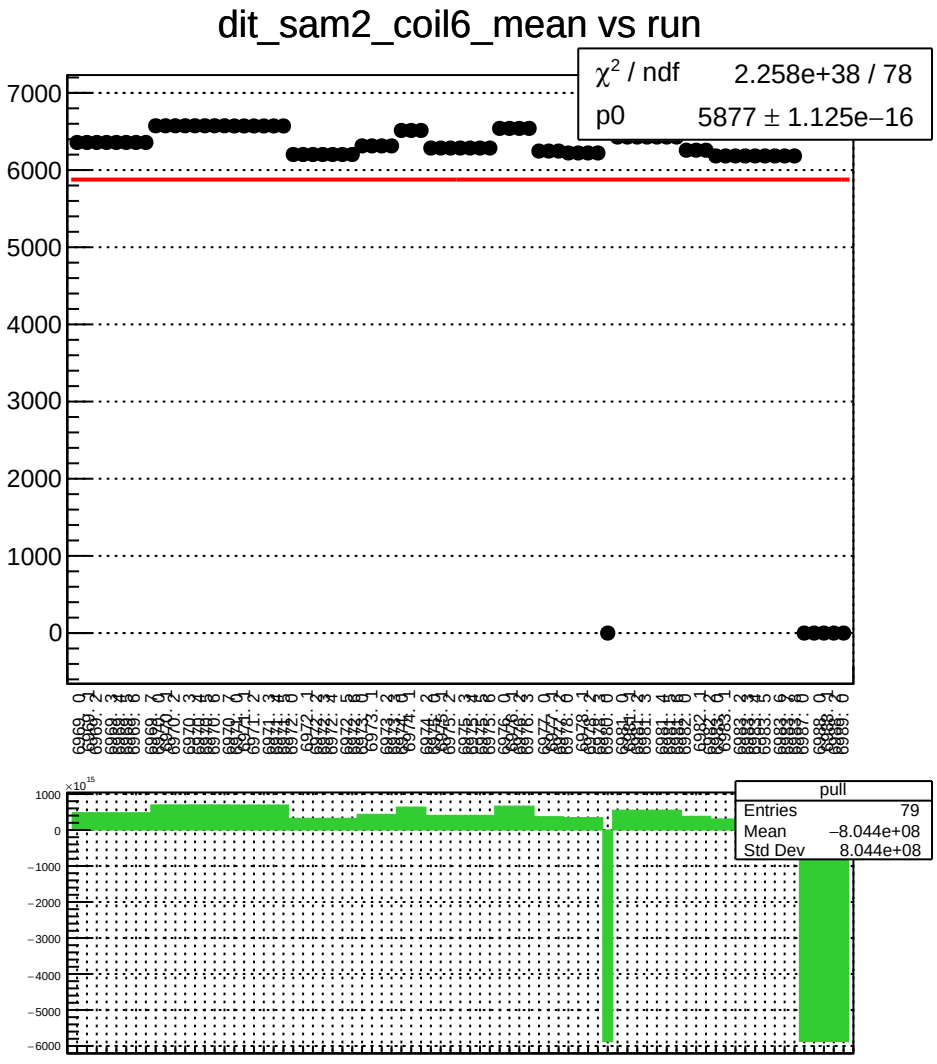

dit_sam1_coil6_err_mean vs run
χ² / ndf 9.307e+33 / 78
p0 27.25 ± 1.125e−16
pull
Entries 79
Mean −2.202e+09
Std Dev 2.202e+09
pull1D
Entries 79
Mean 0
Std Dev 0

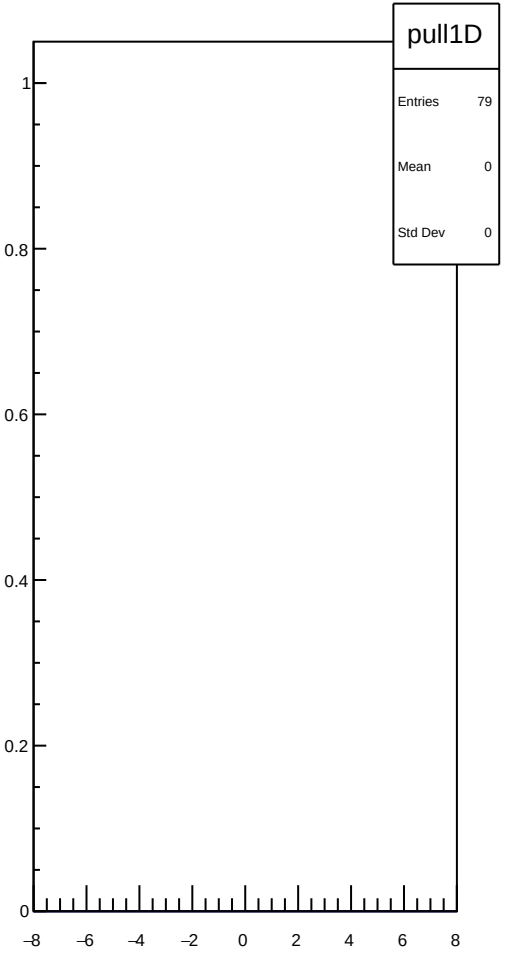
dit_sam1_coil6_Ndata_mean vs run

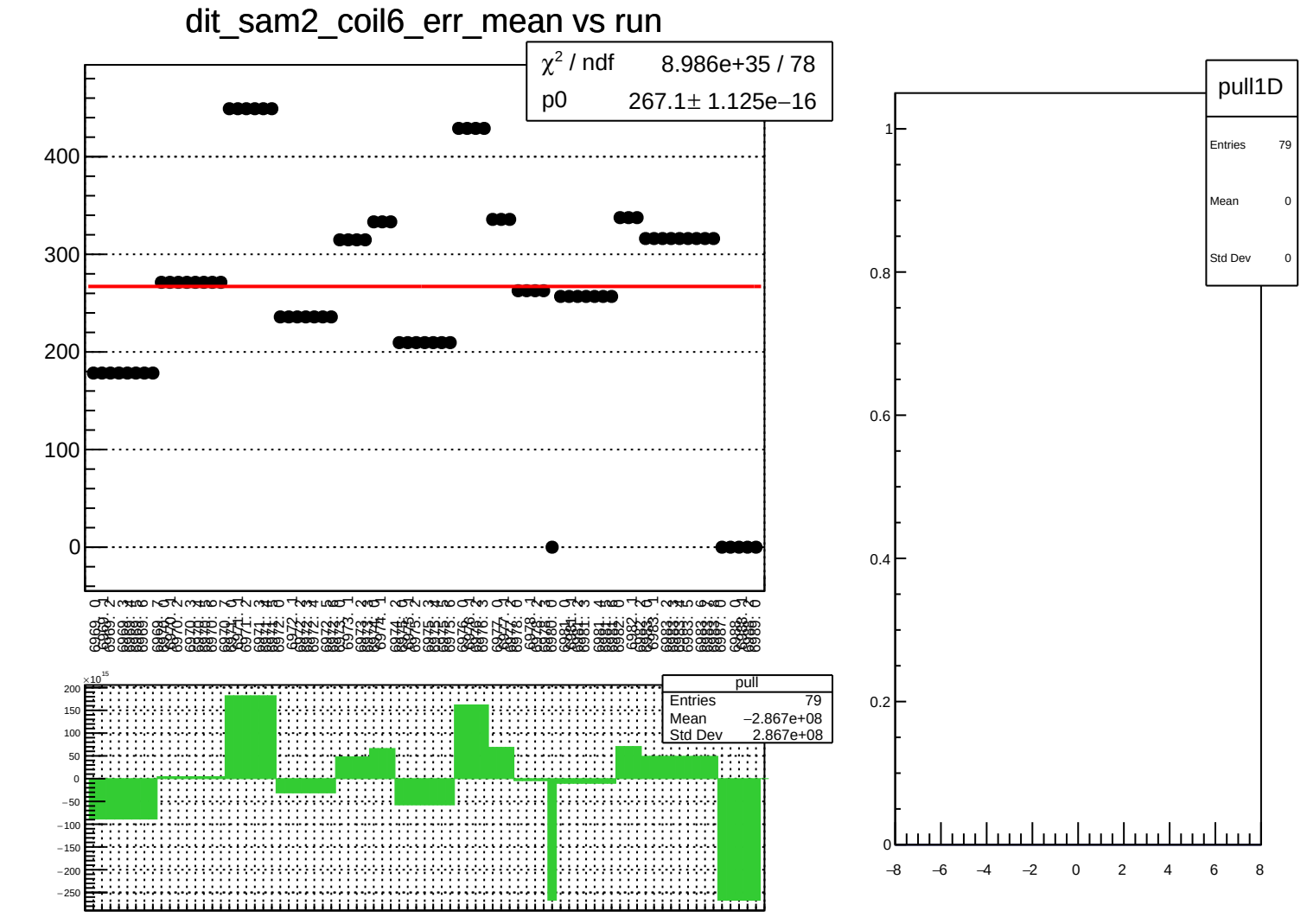




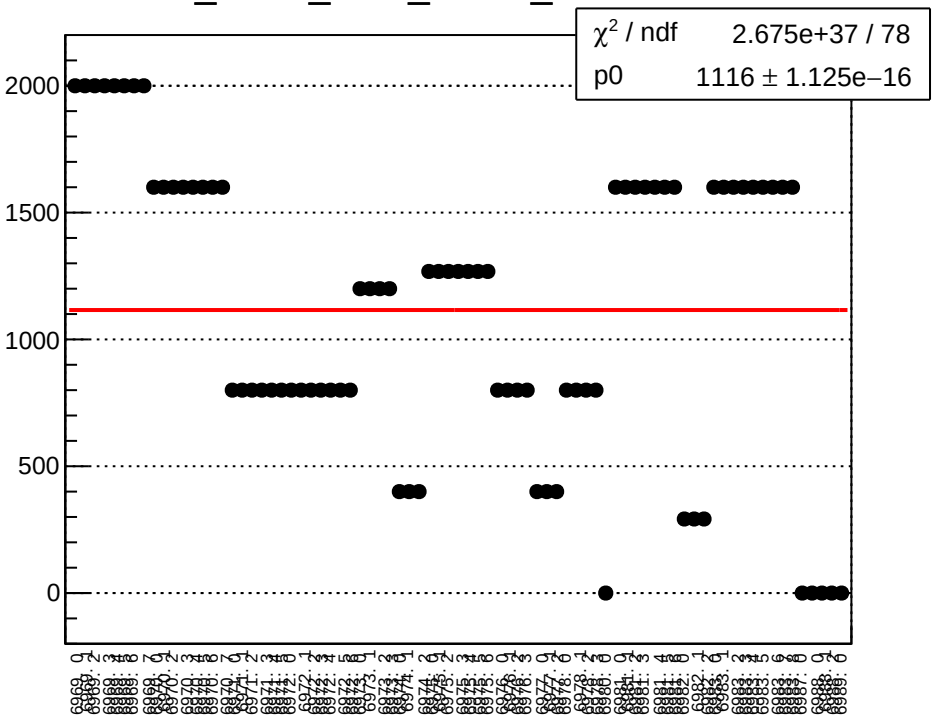


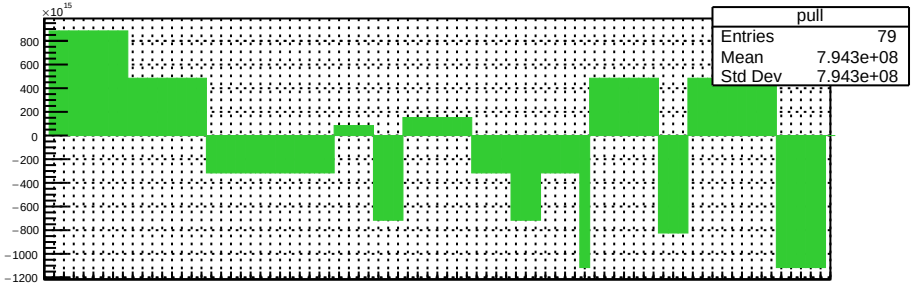

dit_sam2_coil6_mean vs run
χ^2 / ndf 2.258e+38 / 78
p0 5877 ± 1.125e−16
7000
6000
5000
4000
3000
2000
1000
0
pull
Entries 79
Mean −8.044e+08
Std Dev 8.044e+08
1000
0
−1000
−2000
−3000
−4000
−5000
−6000

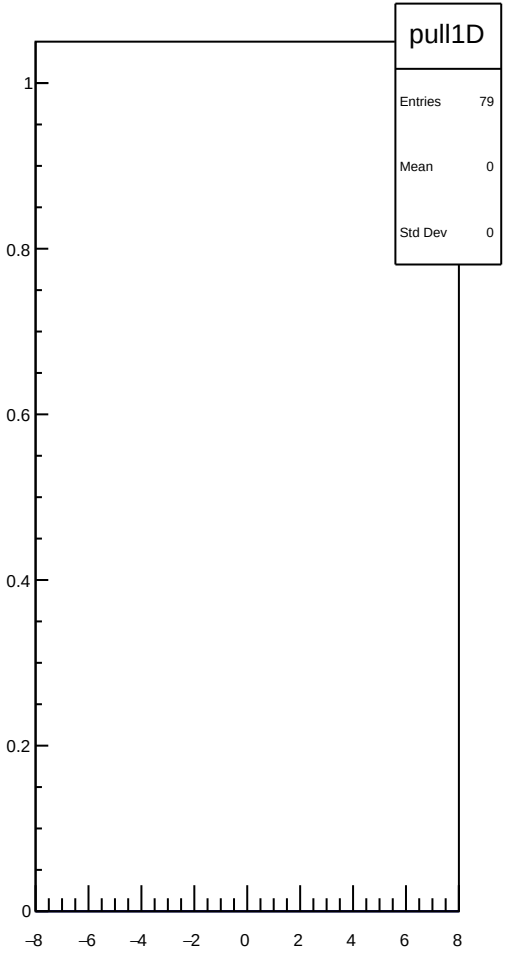

pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

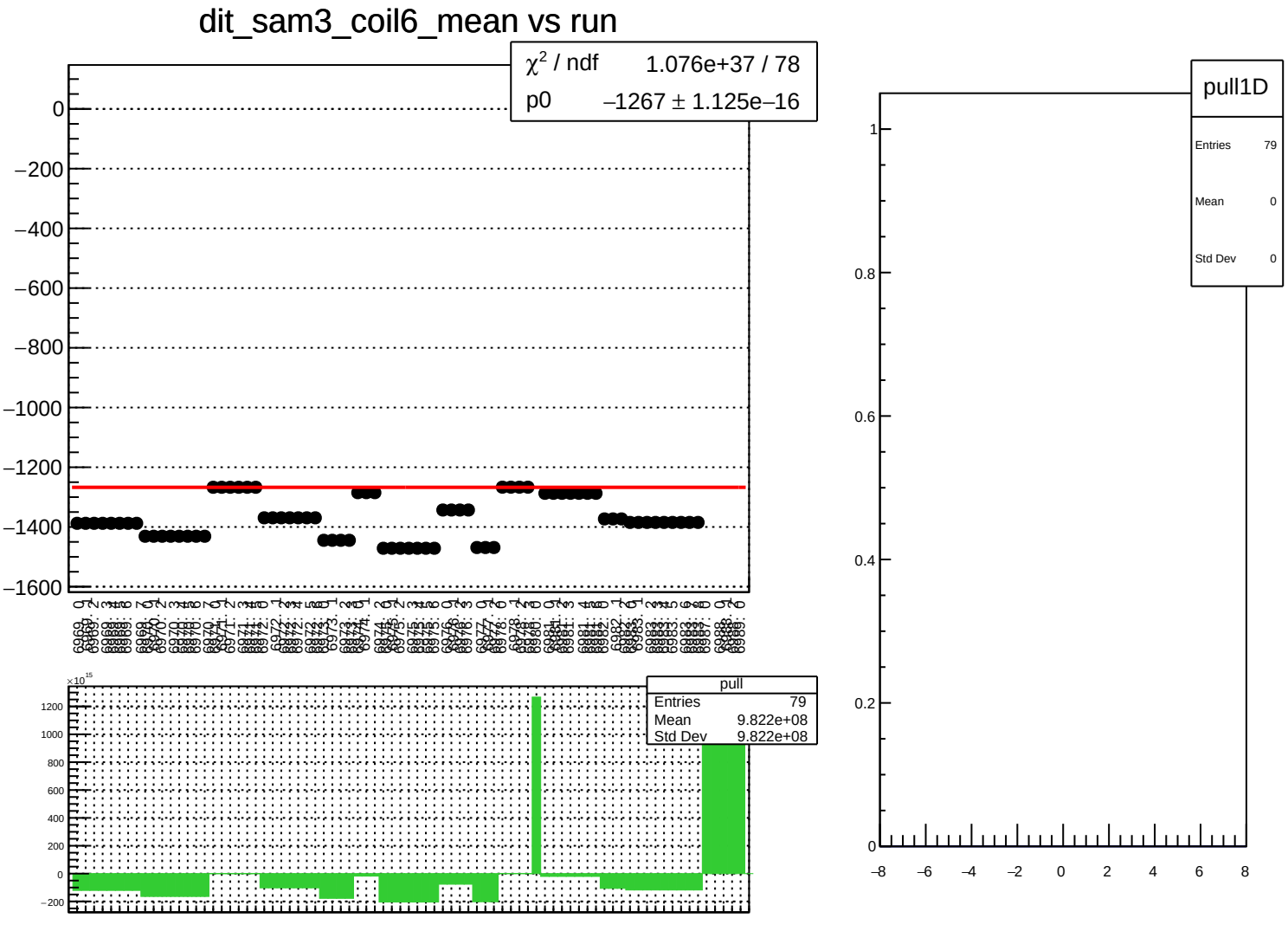

dit_sam2_coil6_err_mean vs run
χ² / ndf 8.986e+35 / 78
p0 267.1± 1.125e−16
pull
Entries 79
Mean −2.867e+08
Std Dev 2.867e+08
pull1D
Entries 79
Mean 0
Std Dev 0

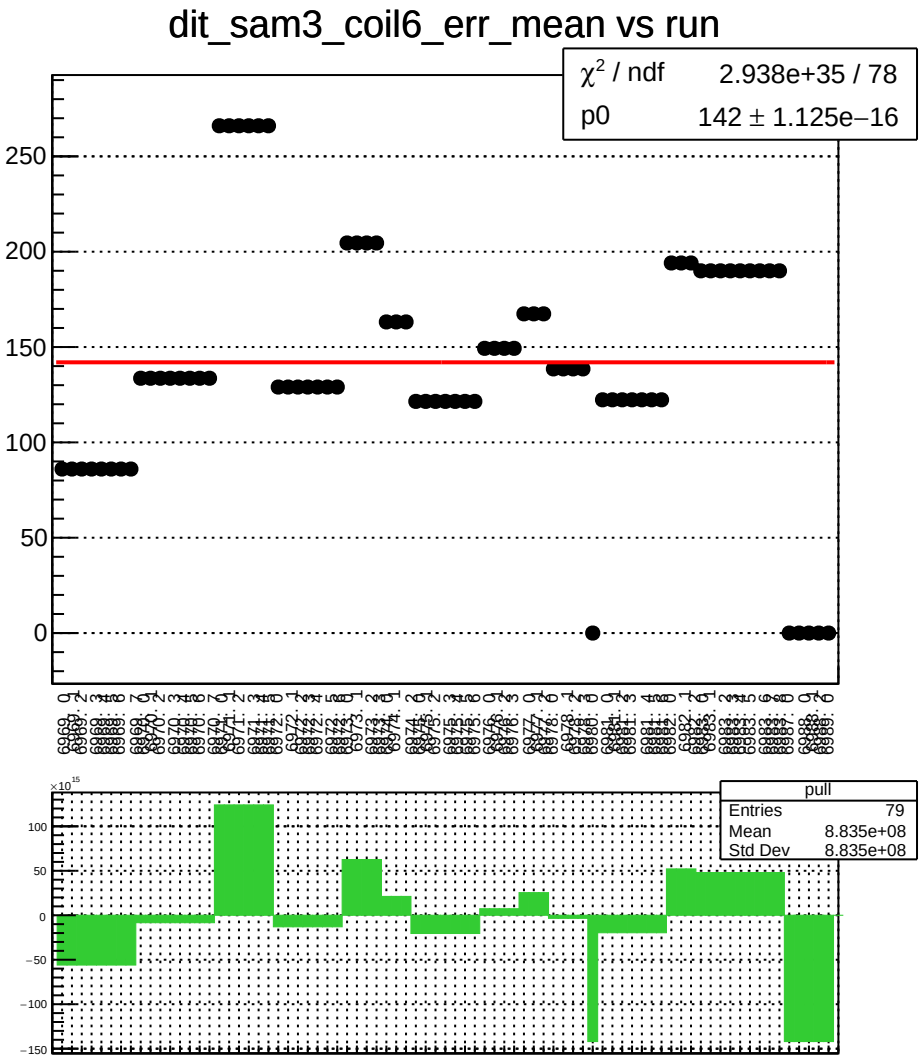
dit_sam2_coil6_Ndata_mean vs run

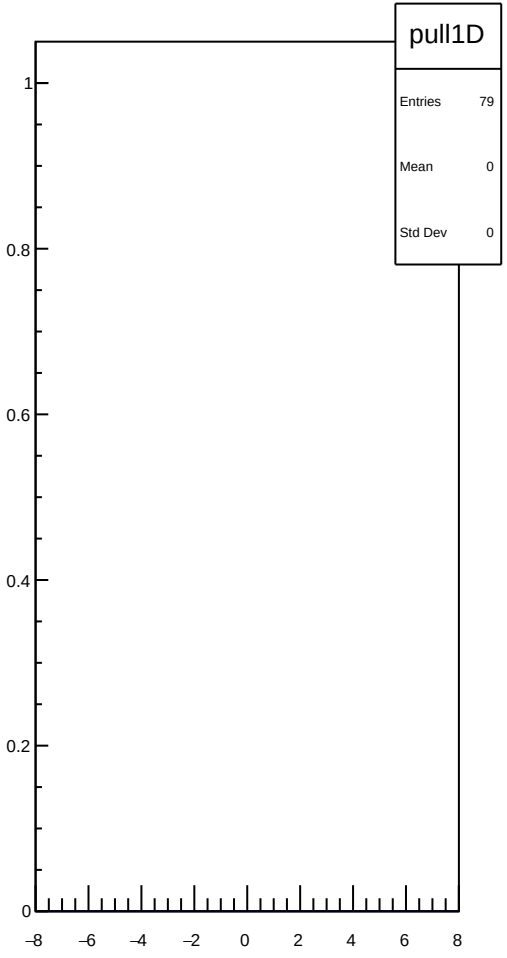




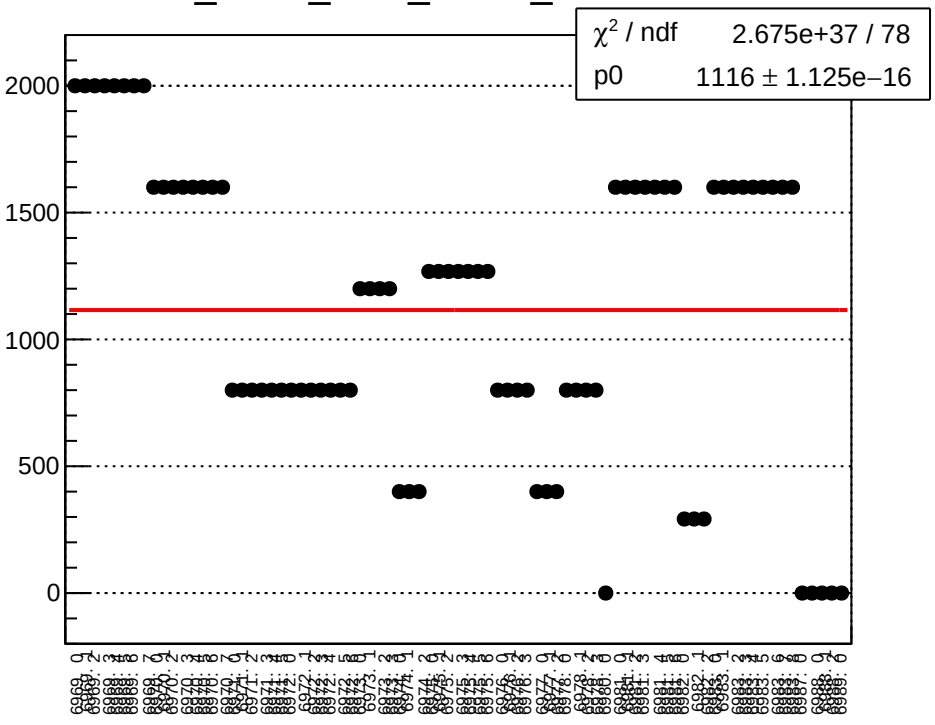


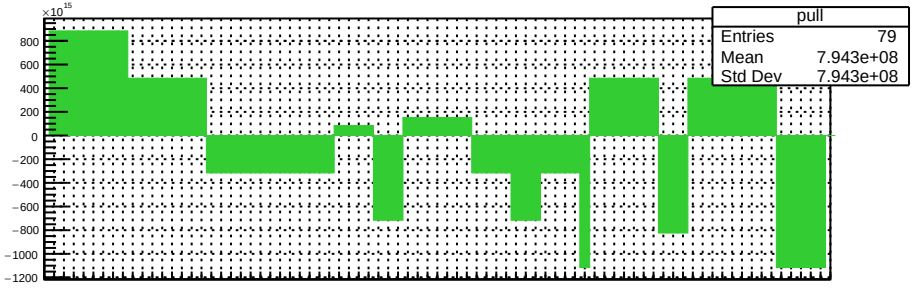

dit_sam3_coil6_mean vs run
χ² / ndf 1.076e+37 / 78
p0 −1267 ± 1.125e−16
pull
Entries 79
Mean 9.822e+08
Std Dev 9.822e+08
pull1D
Entries 79
Mean 0
Std Dev 0

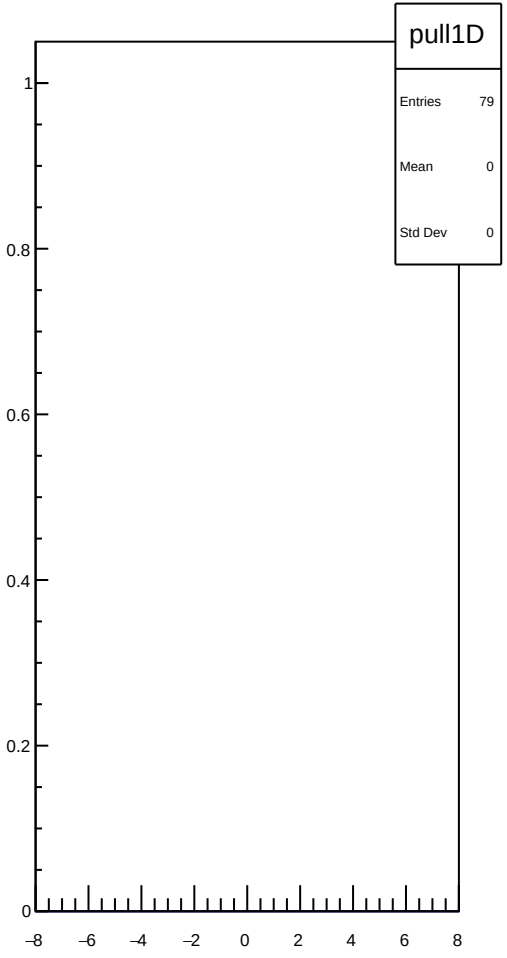

dit_sam3_coil6_err_mean vs run
χ² / ndf 2.938e+35 / 78
p0 142 ± 1.125e−16
250
200
150
100
50
0
pull
Entries 79
Mean 8.835e+08
Std Dev 8.835e+08
×10¹⁵
100
50
0
−50
−100
−150

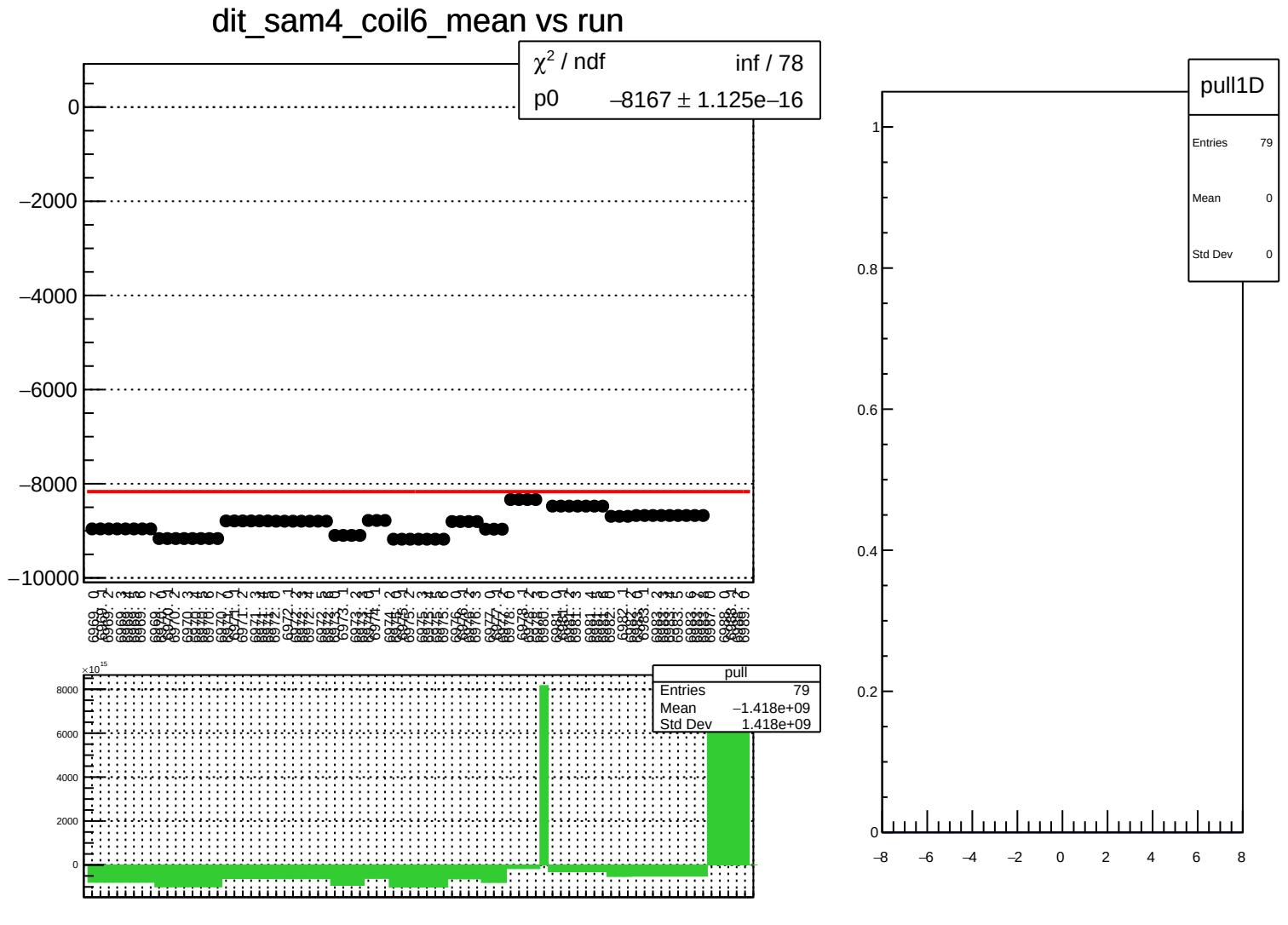

pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

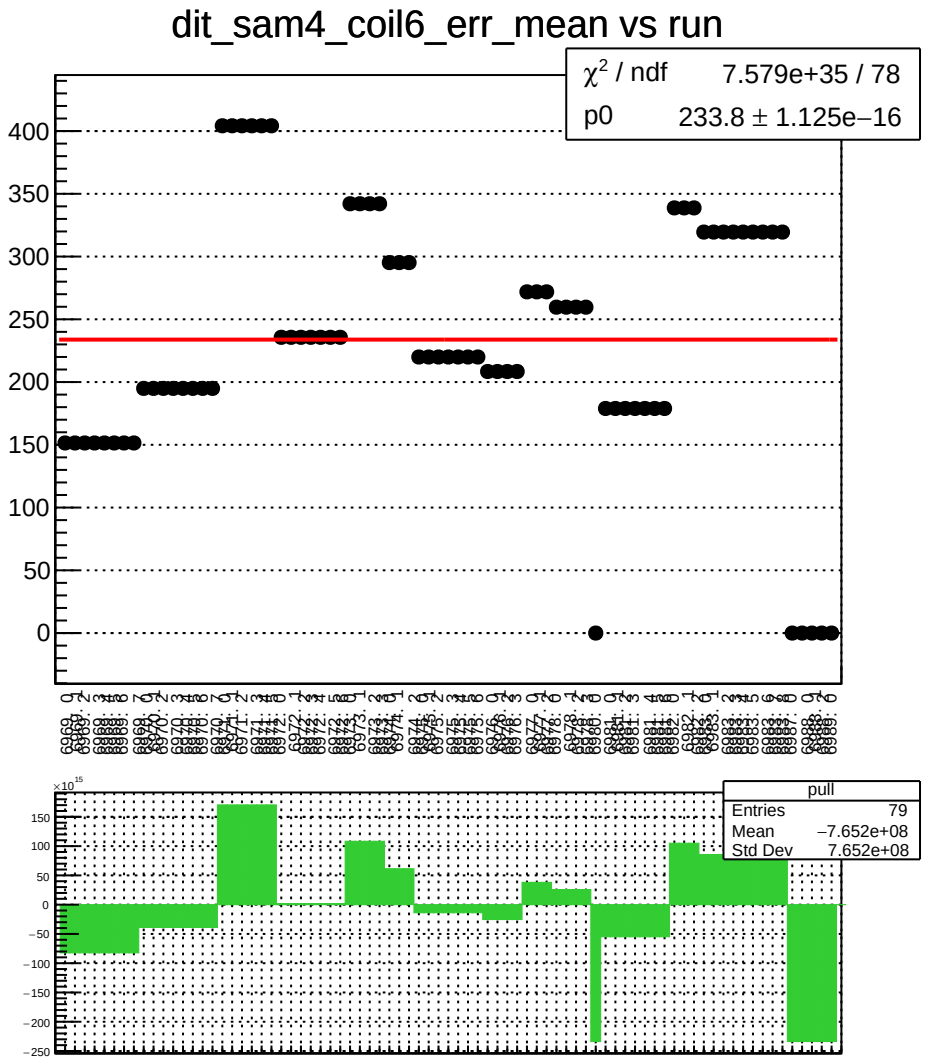
dit_sam3_coil6_Ndata_mean vs run

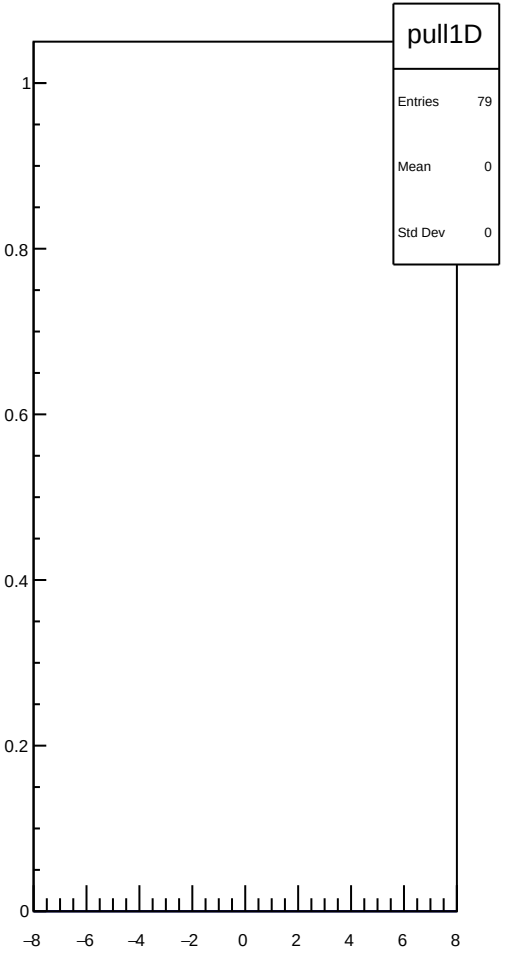


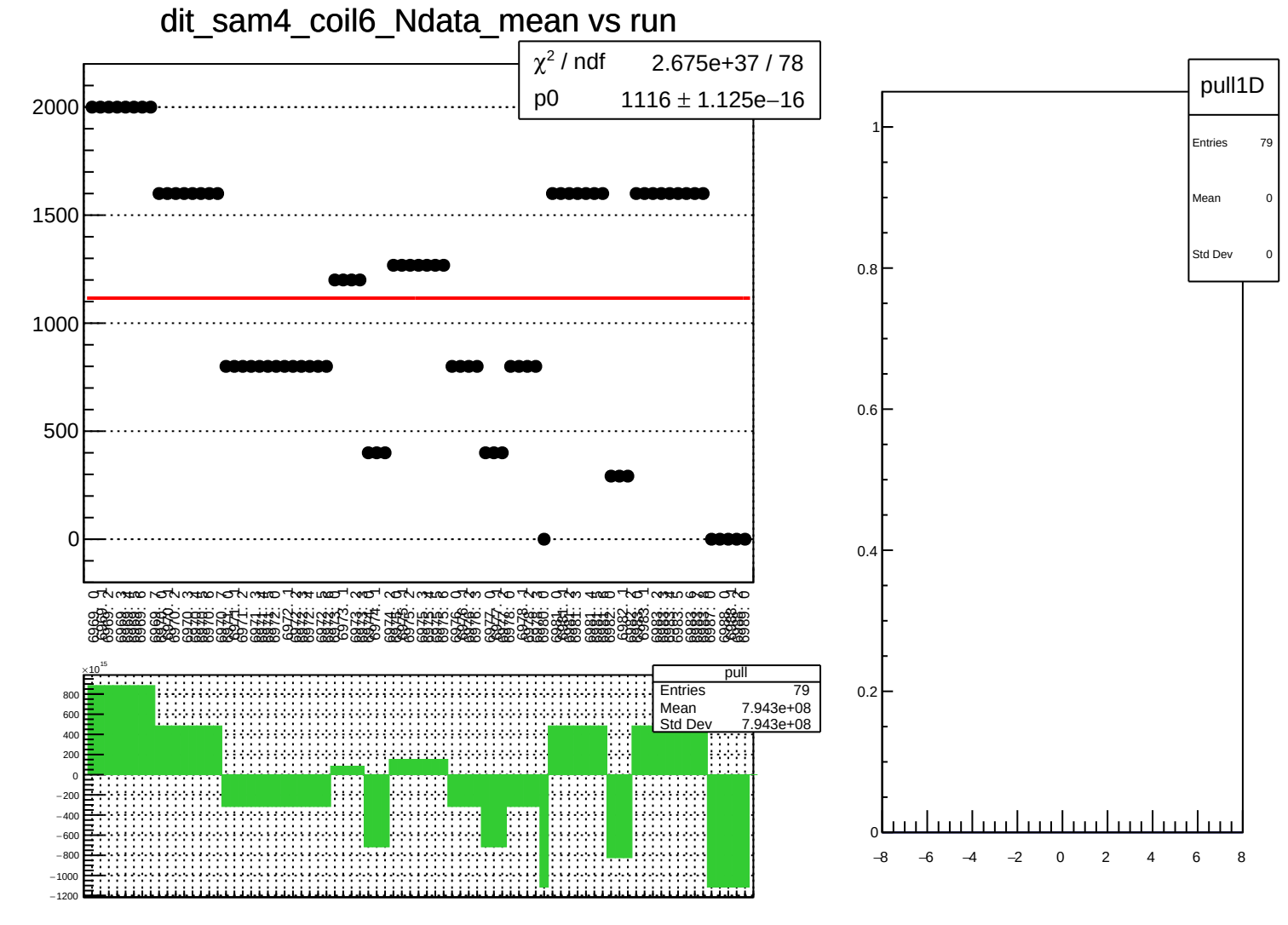




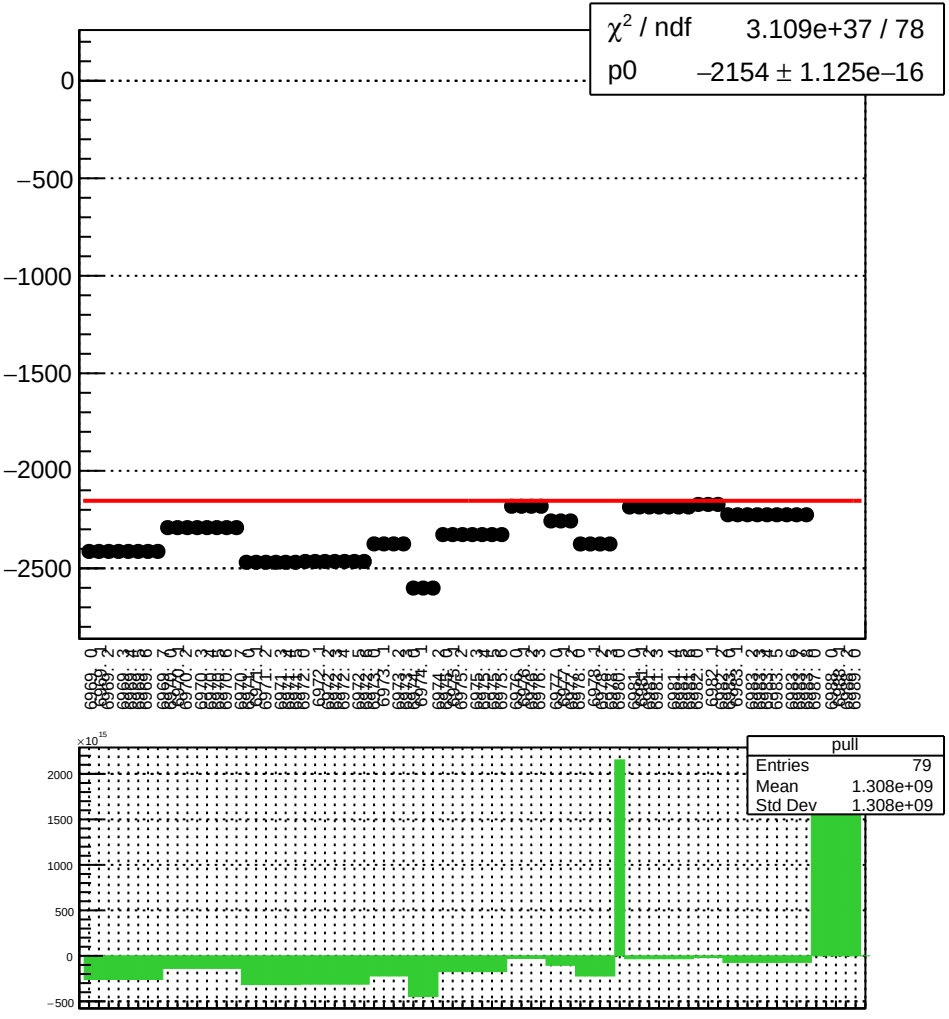

dit_sam4_coil6_mean vs run
χ² / ndf inf / 78
p0 –8167 ± 1.125e–16
0
–2000
–4000
–6000
–8000
–10000
pull
Entries 79
Mean –1.418e+09
Std Dev 1.418e+09
×10¹⁵
8000
6000
4000
2000
0
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

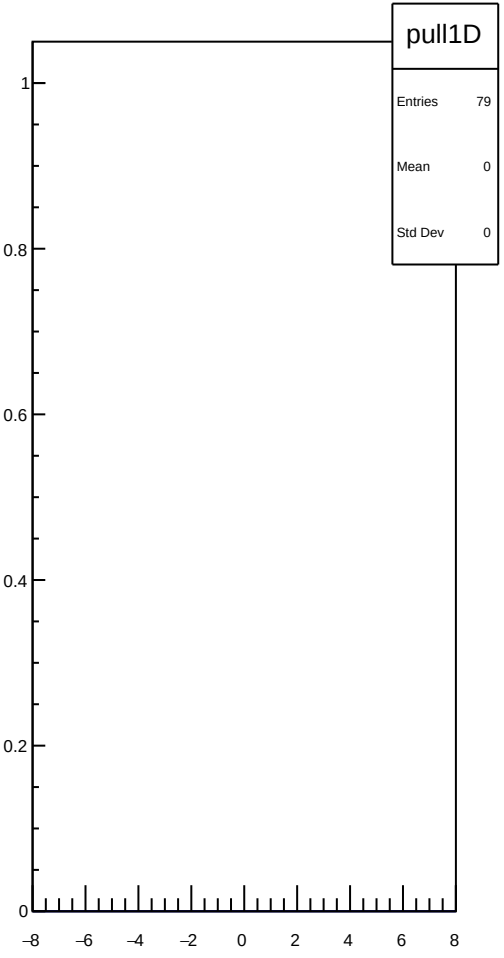

dit_sam4_coil6_err_mean vs run
χ² / ndf 7.579e+35 / 78
p0 233.8 ± 1.125e−16
pull
Entries 79
Mean −7.652e+08
Std Dev 7.652e+08

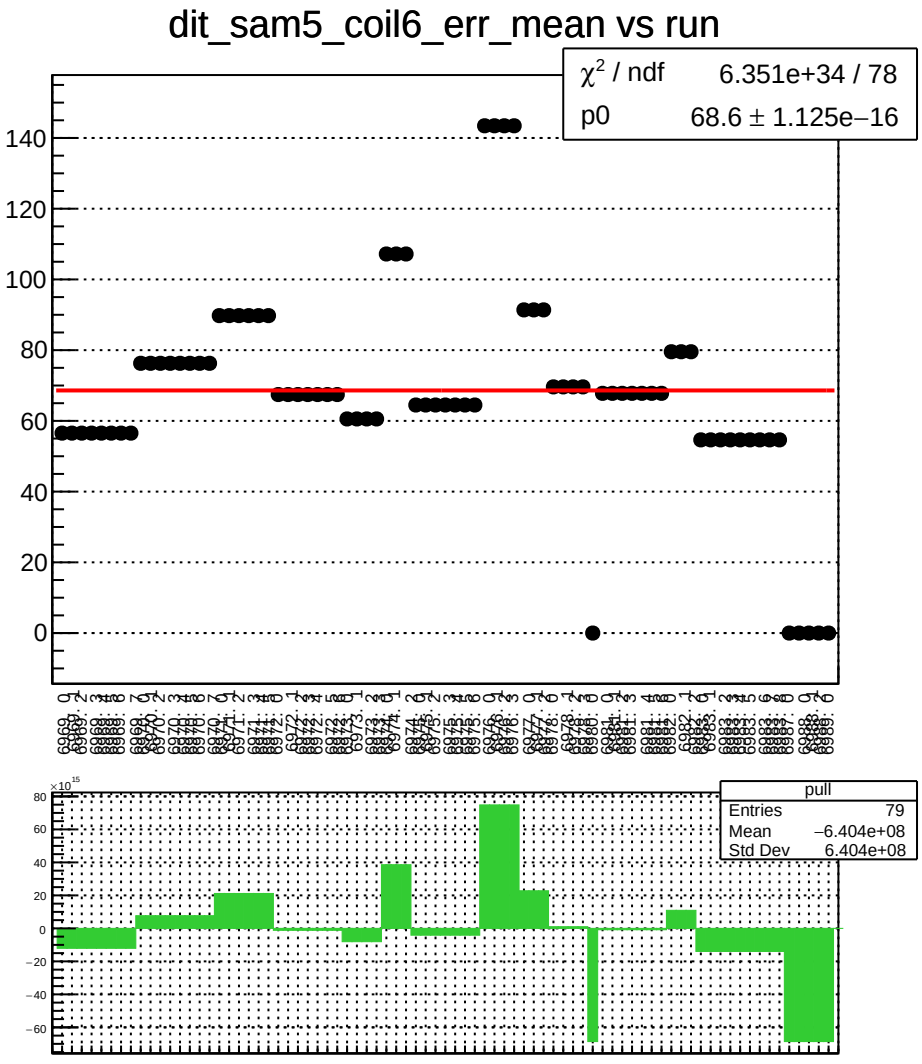

pull1D
Entries 79
Mean 0
Std Dev 0

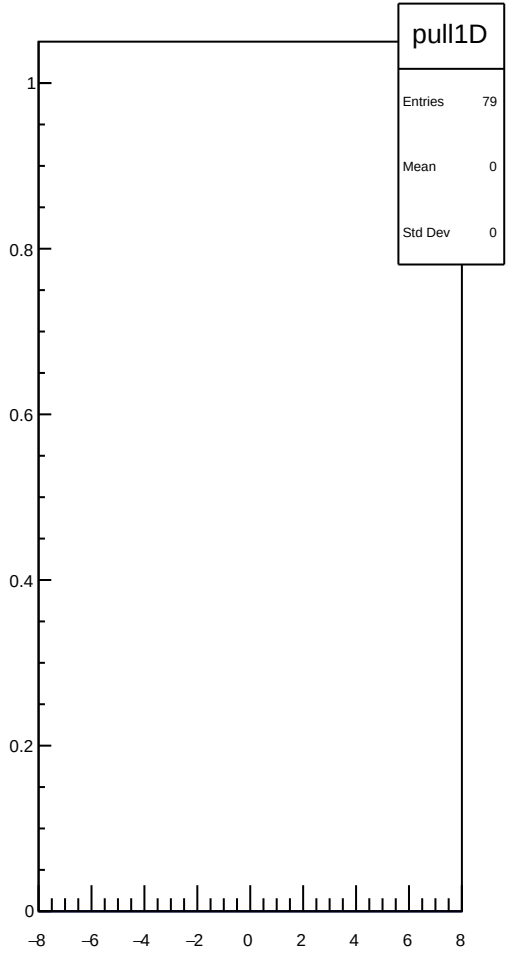

dit_sam4_coil6_Ndata_mean vs run
χ² / ndf 2.675e+37 / 78
p0 1116 ± 1.125e−16
2000
1500
1000
500
0
pull
Entries 79
Mean 7.943e+08
Std Dev 7.943e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

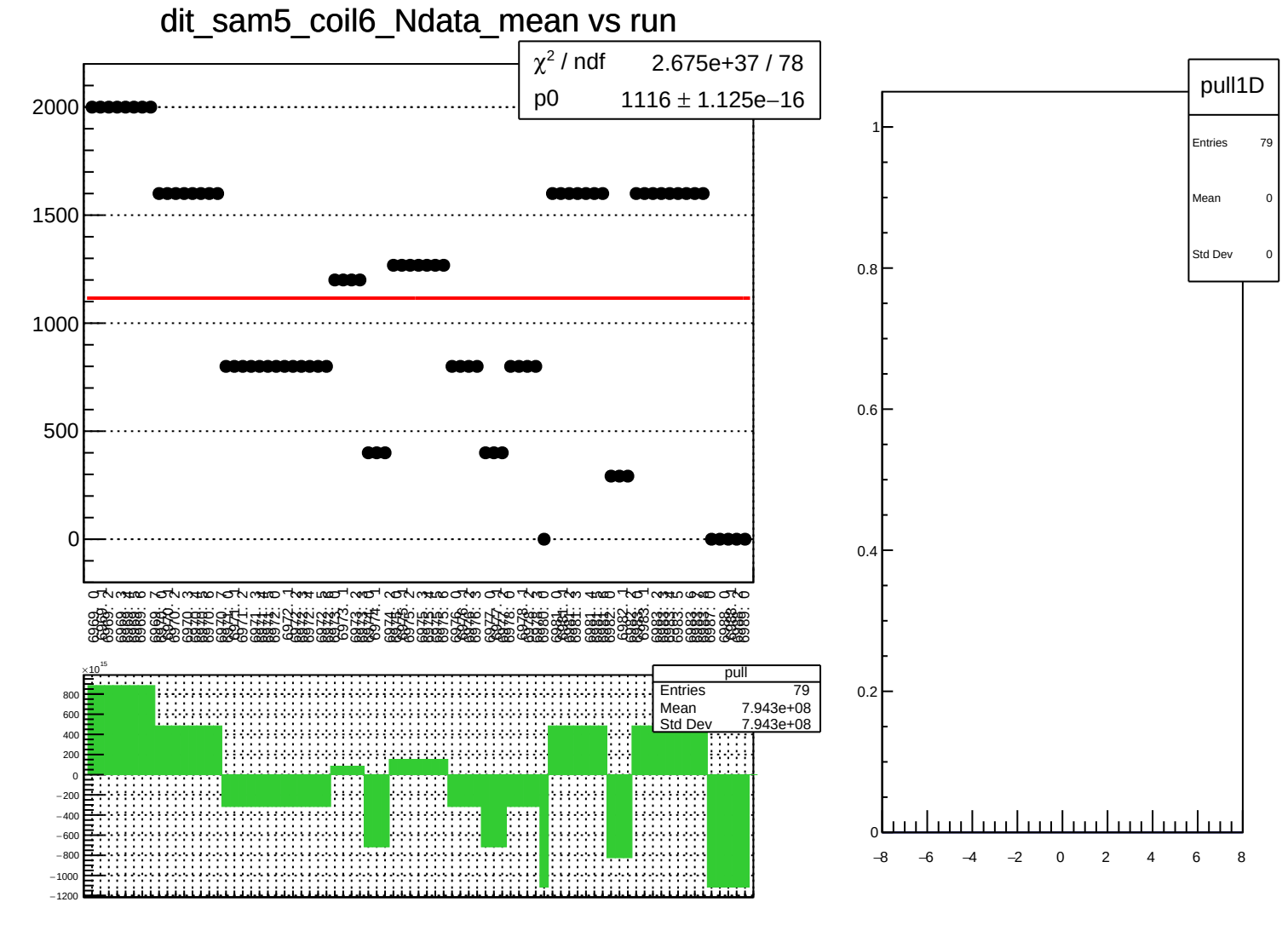
dit_sam5_coil6_mean vs run

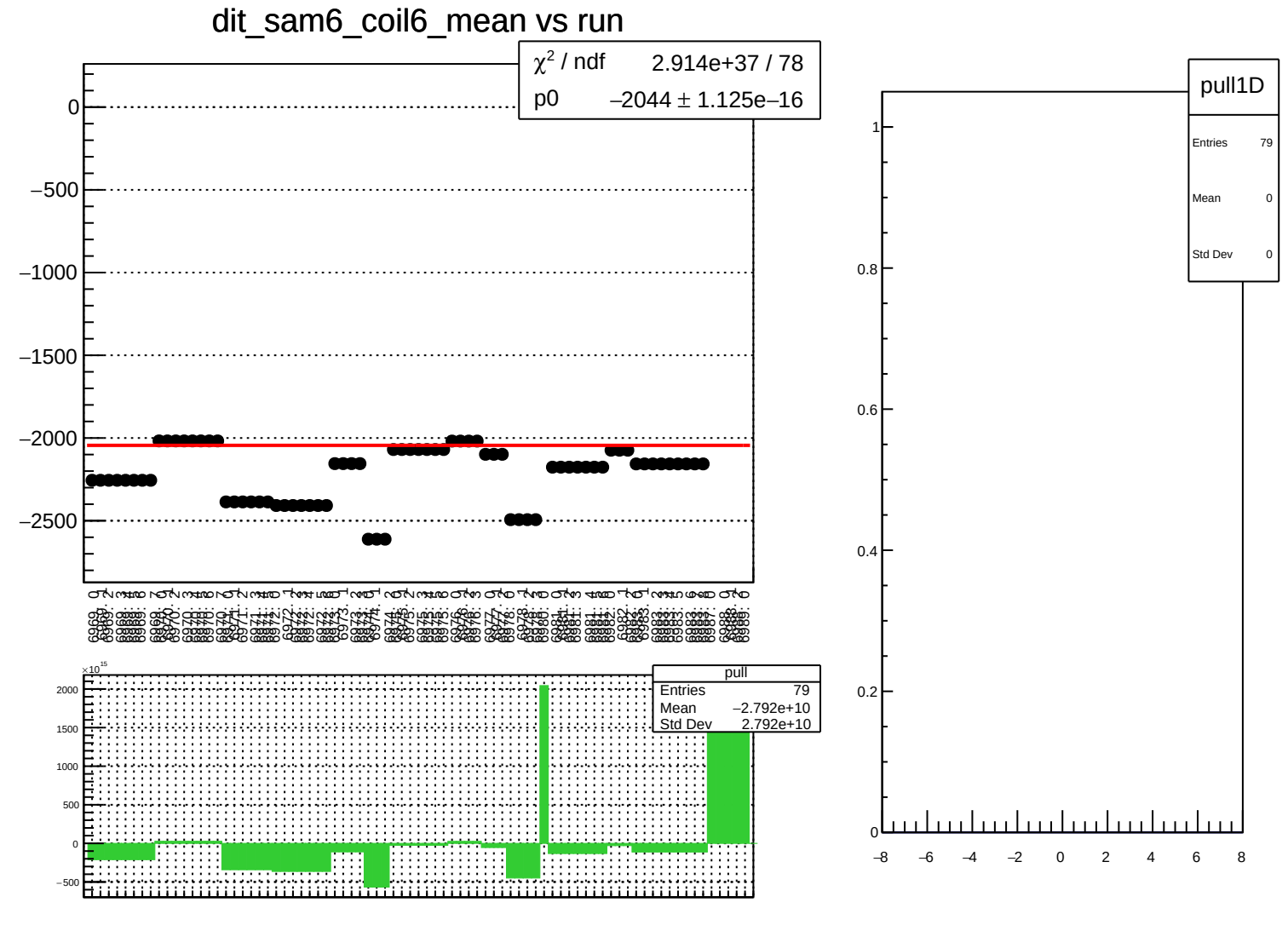


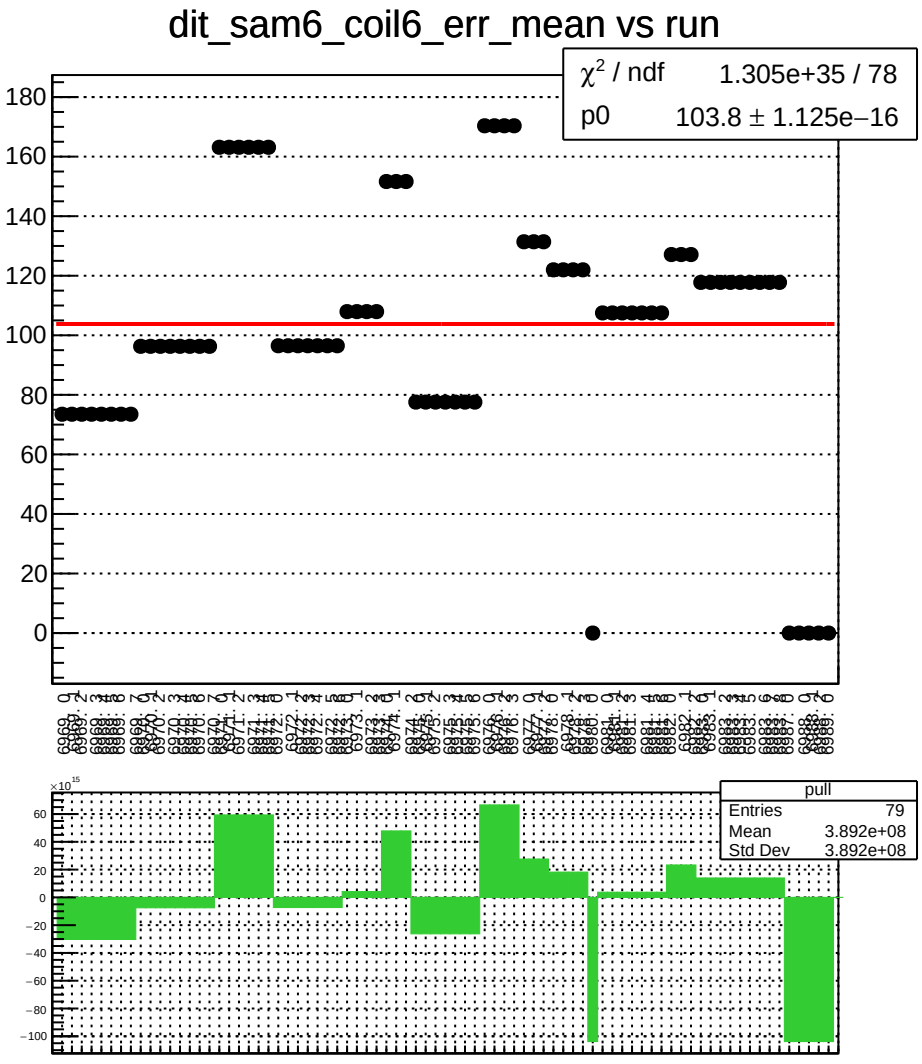


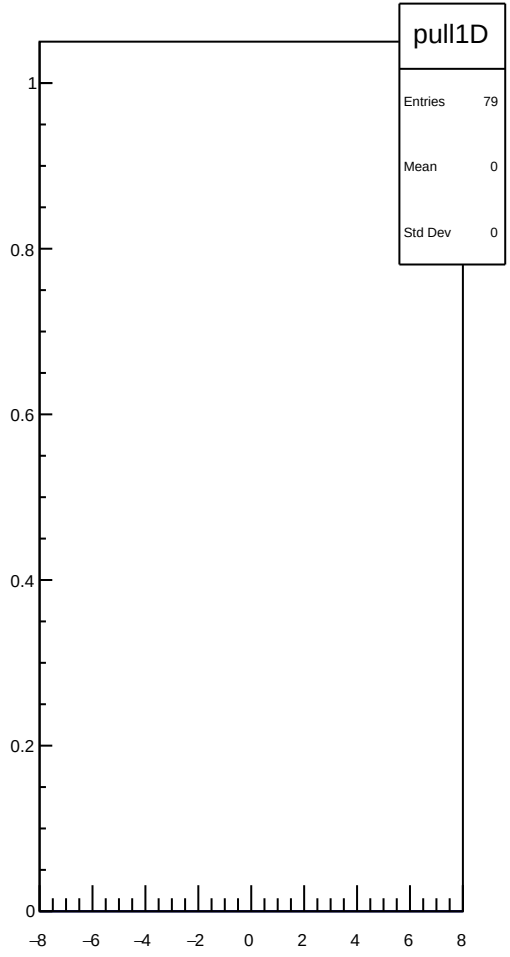

dit_sam5_coil6_err_mean vs run
χ² / ndf 6.351e+34 / 78
p0 68.6 ± 1.125e−16
pull
Entries 79
Mean −6.404e+08
Std Dev 6.404e+08

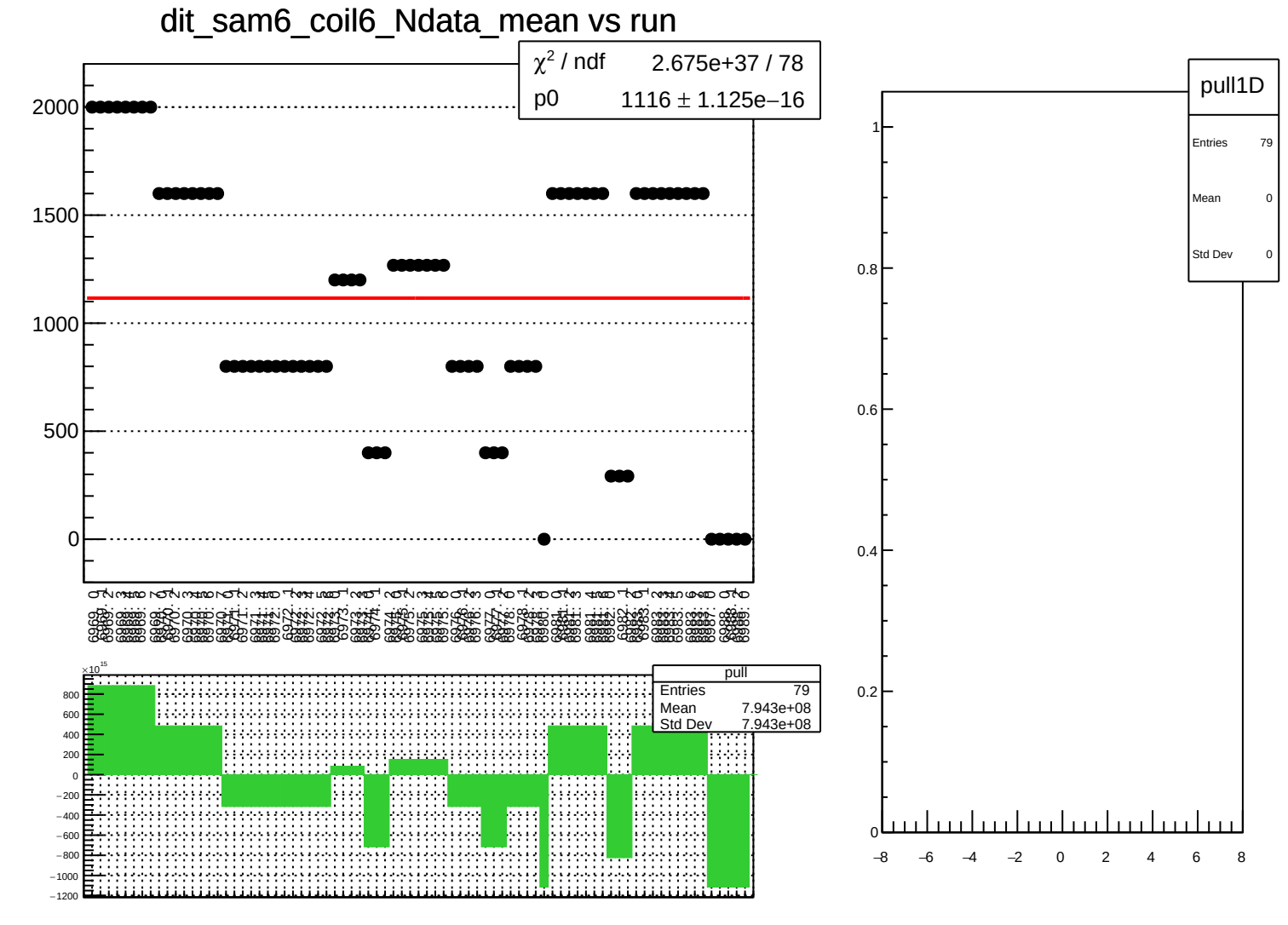

pull1D
Entries 79
Mean 0
Std Dev 0

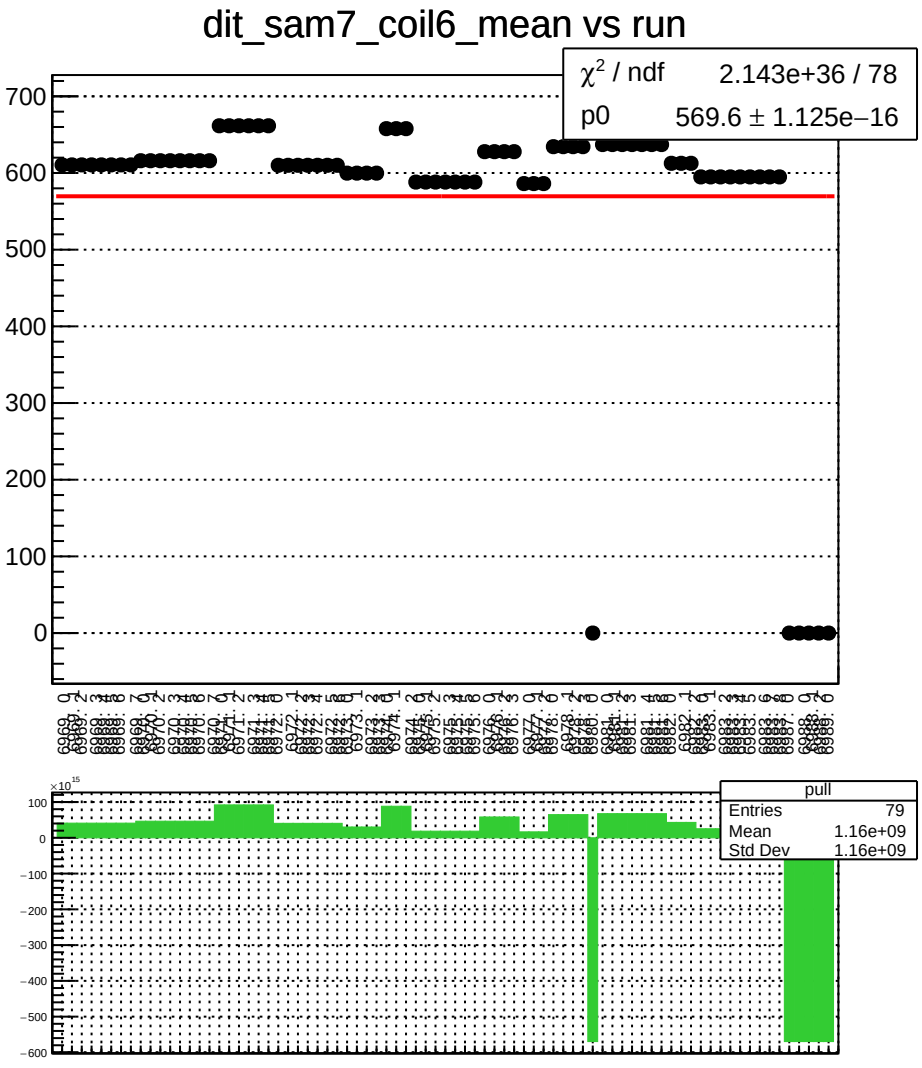

dit_sam5_coil6_Ndata_mean vs run
χ² / ndf 2.675e+37 / 78
p0 1116 ± 1.125e−16
2000
1500
1000
500
0
pull
Entries 79
Mean 7.943e+08
Std Dev 7.943e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

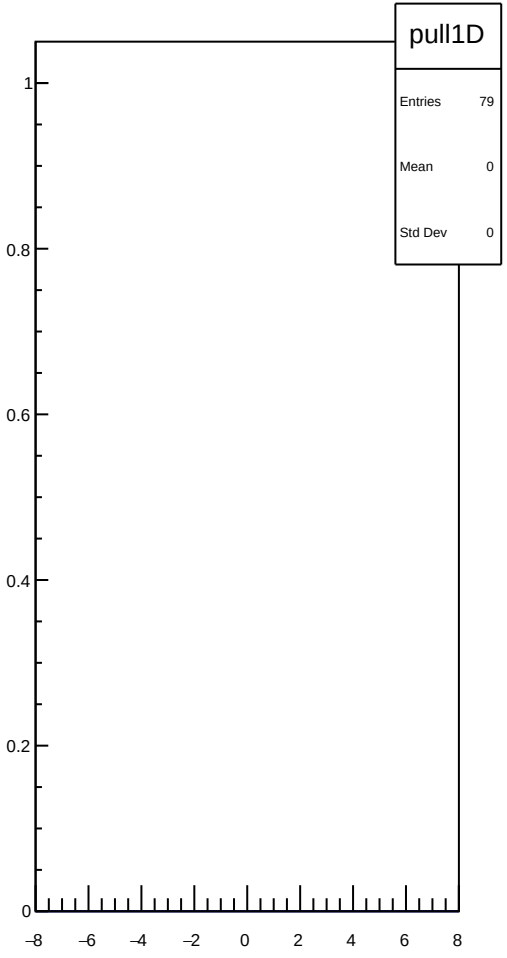

dit_sam6_coil6_mean vs run
χ² / ndf 2.914e+37 / 78
p0 −2044 ± 1.125e−16
0
−500
−1000
−1500
−2000
−2500
pull
Entries 79
Mean −2.792e+10
Std Dev 2.792e+10
×10¹⁵
2000
1500
1000
500
0
−500
pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

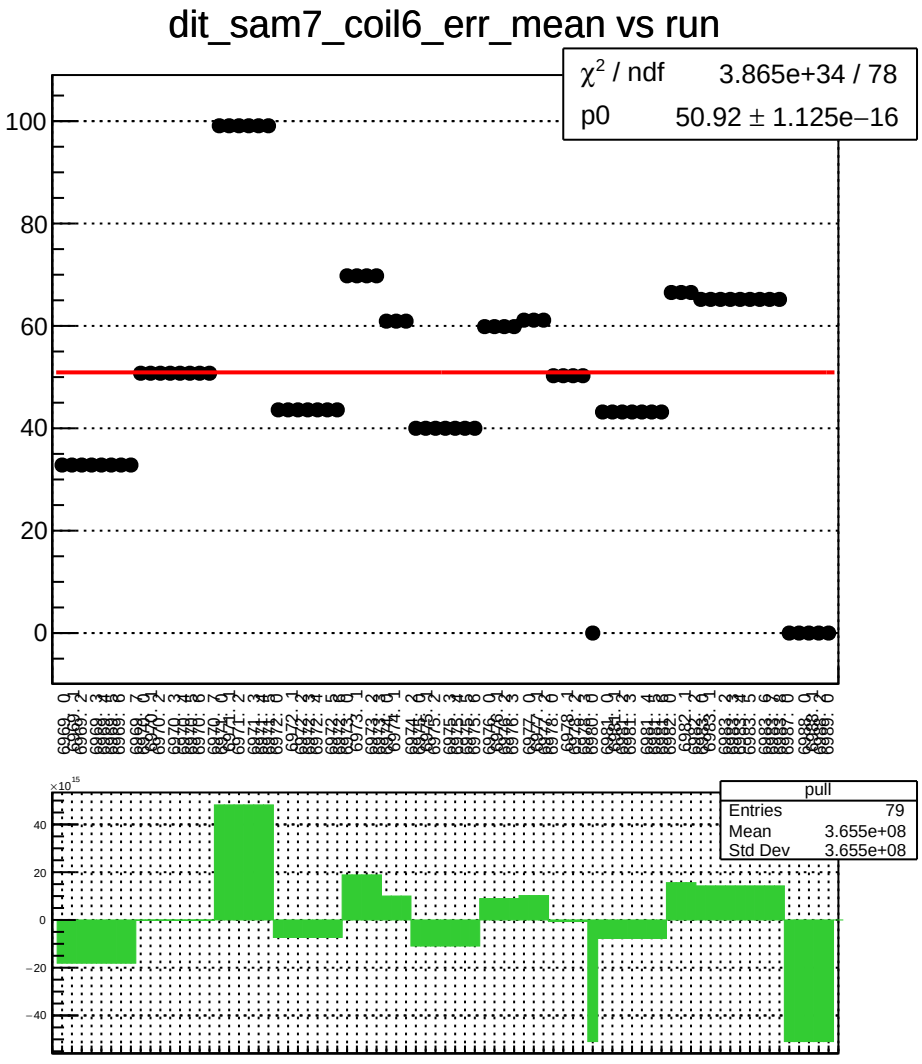

dit_sam6_coil6_err_mean vs run
χ^2 / ndf 1.305e+35 / 78
p0 103.8 ± 1.125e−16
pull
Entries 79
Mean 3.892e+08
Std Dev 3.892e+08

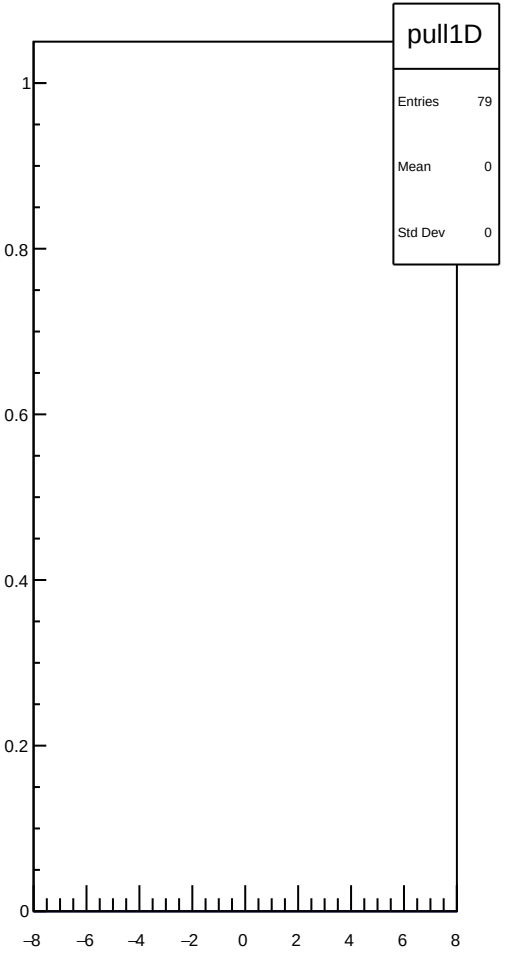

pull1D
Entries 79
Mean 0
Std Dev 0

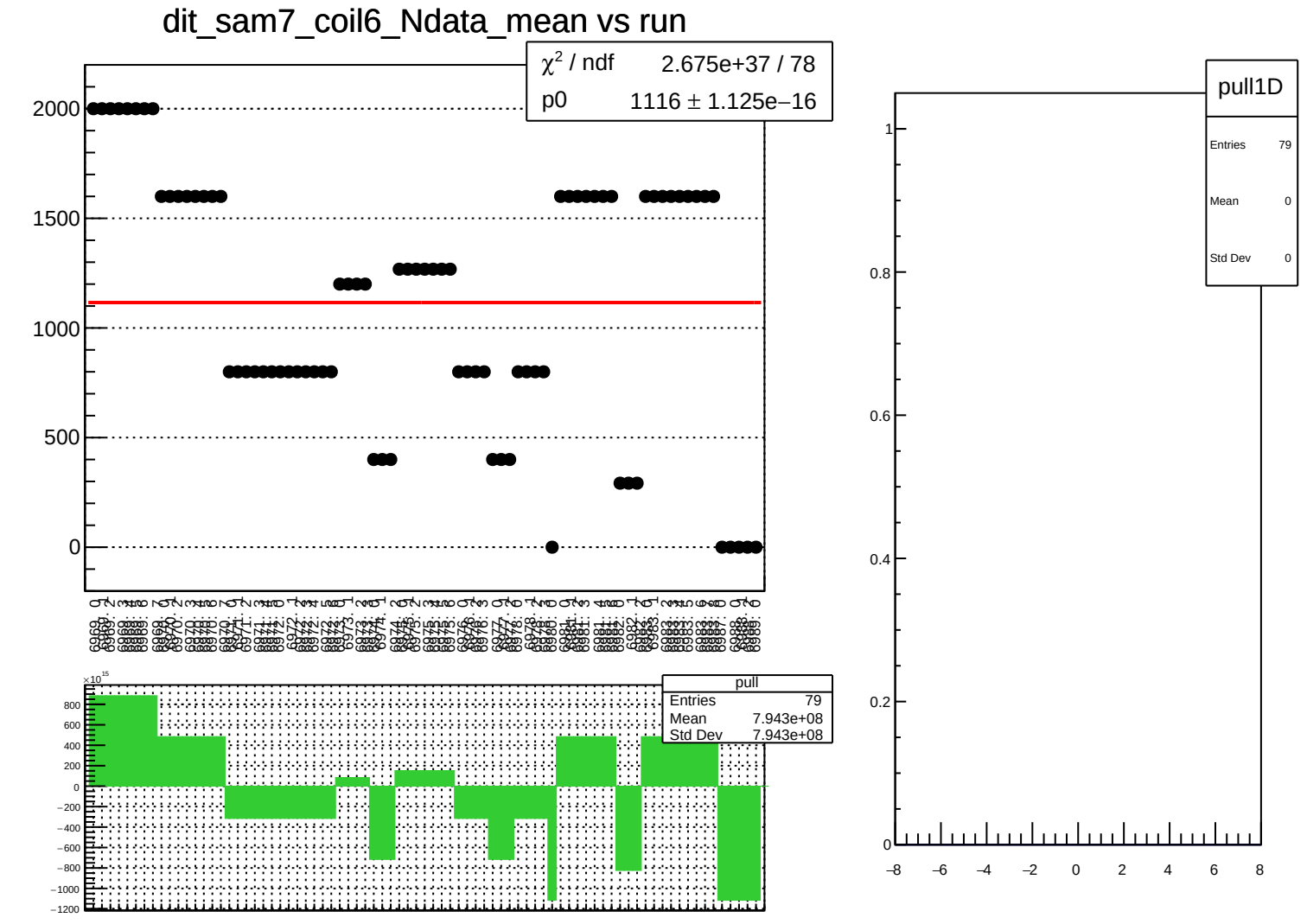

dit_sam6_coil6_Ndata_mean vs run
χ² / ndf 2.675e+37 / 78
p0 1116 ± 1.125e−16
pull
Entries 79
Mean 7.943e+08
Std Dev 7.943e+08
pull1D
Entries 79
Mean 0
Std Dev 0


dit_sam7_coil6_mean vs run
χ^2 / ndf 2.143e+36 / 78
p0 569.6 ± 1.125e−16
pull
Entries 79
Mean 1.16e+09
Std Dev 1.16e+09

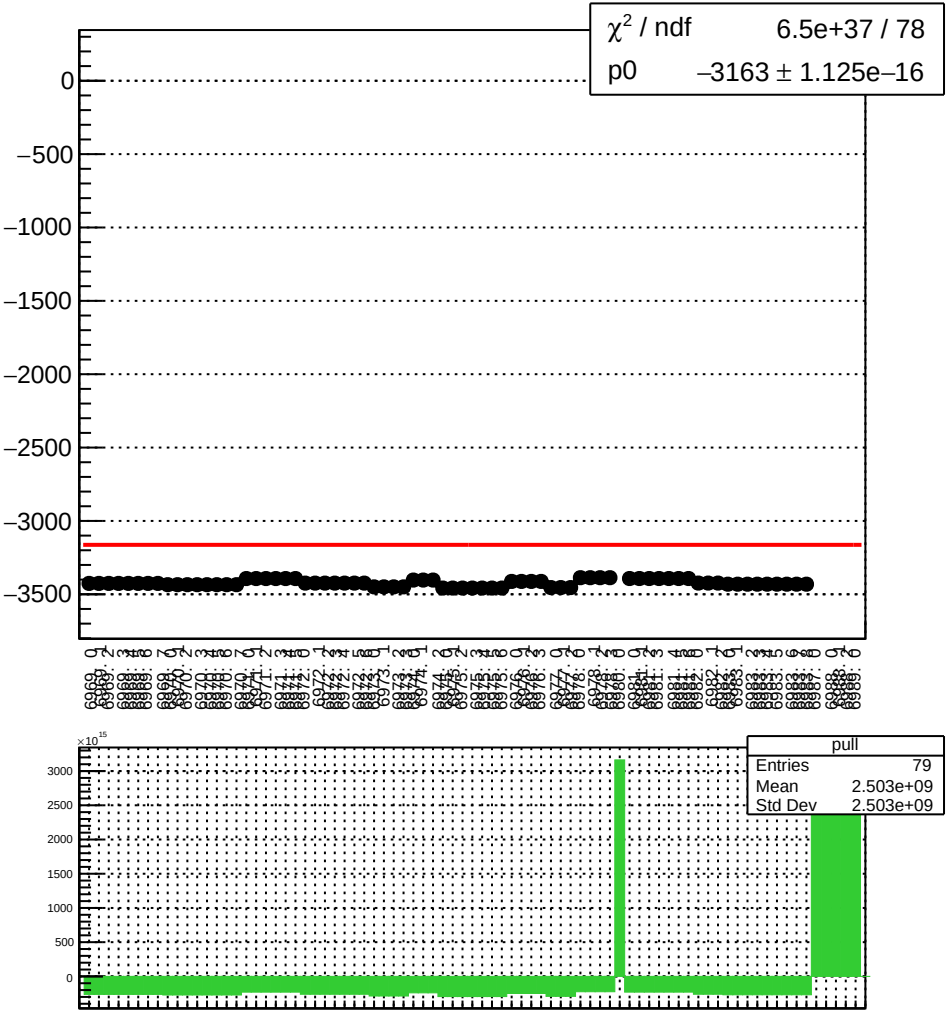

pull1D
Entries 79
Mean 0
Std Dev 0

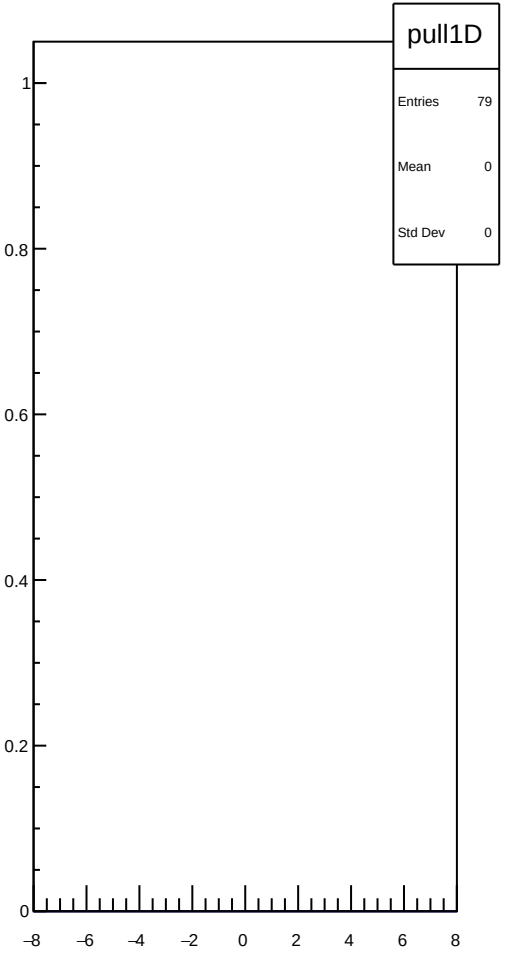

dit_sam7_coil6_err_mean vs run
χ^2 / ndf 3.865e+34 / 78
p0 50.92 ± 1.125e−16
pull
Entries 79
Mean 3.655e+08
Std Dev 3.655e+08

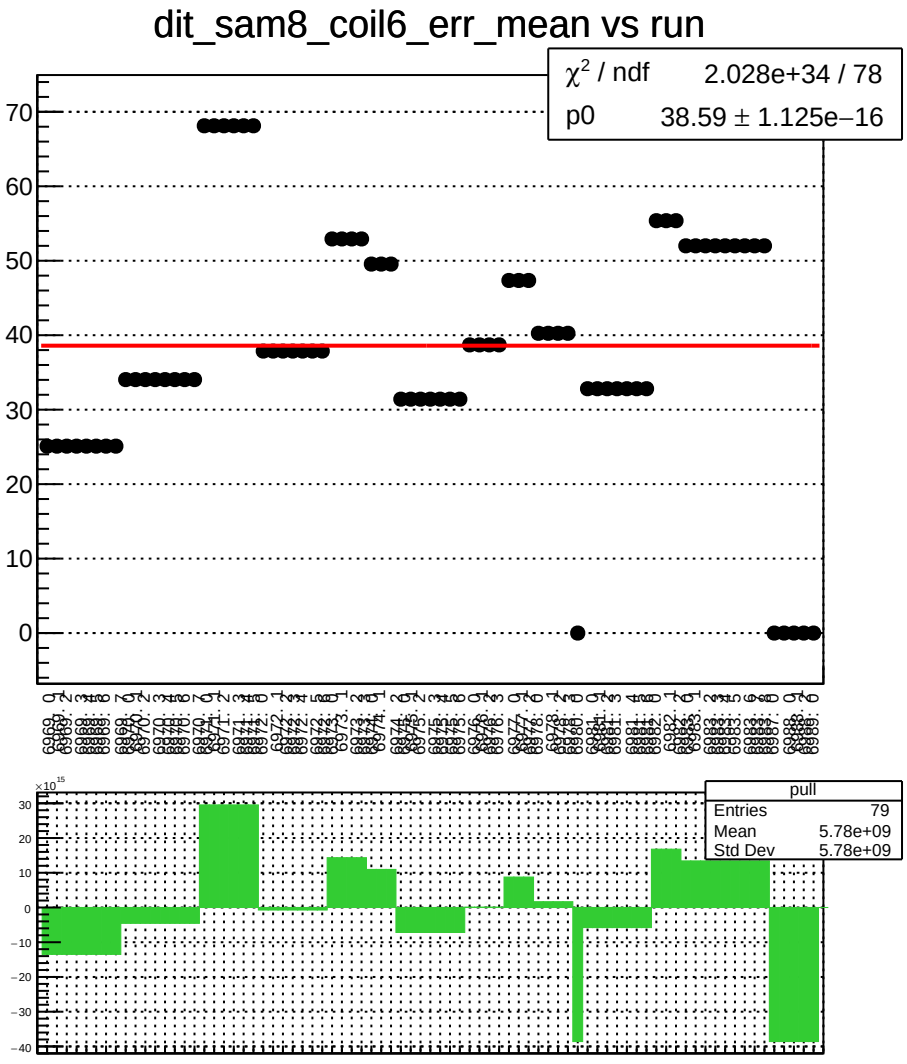

pull1D
Entries 79
Mean 0
Std Dev 0

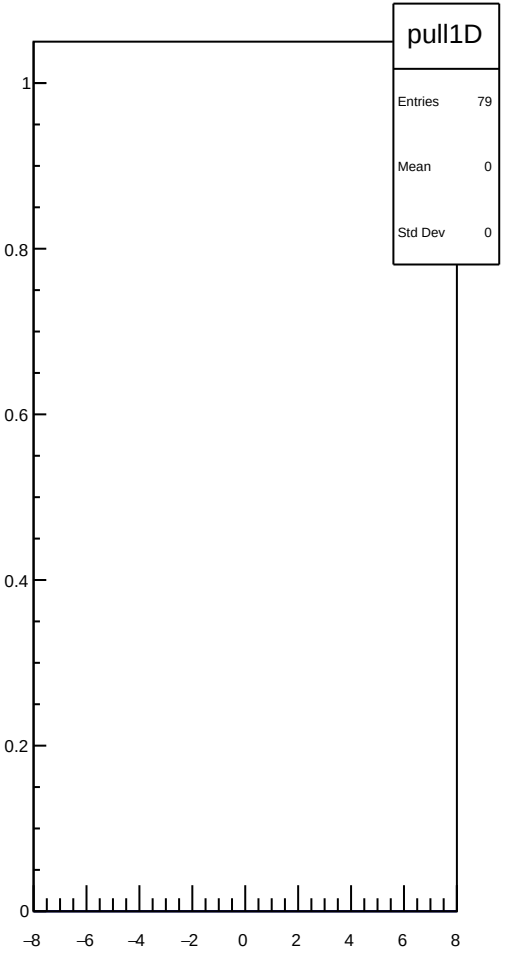

dit_sam7_coil6_Ndata_mean vs run
χ² / ndf 2.675e+37 / 78
p0 1116 ± 1.125e−16
pull
Entries 79
Mean 7.943e+08
Std Dev 7.943e+08
pull1D
Entries 79
Mean 0
Std Dev 0

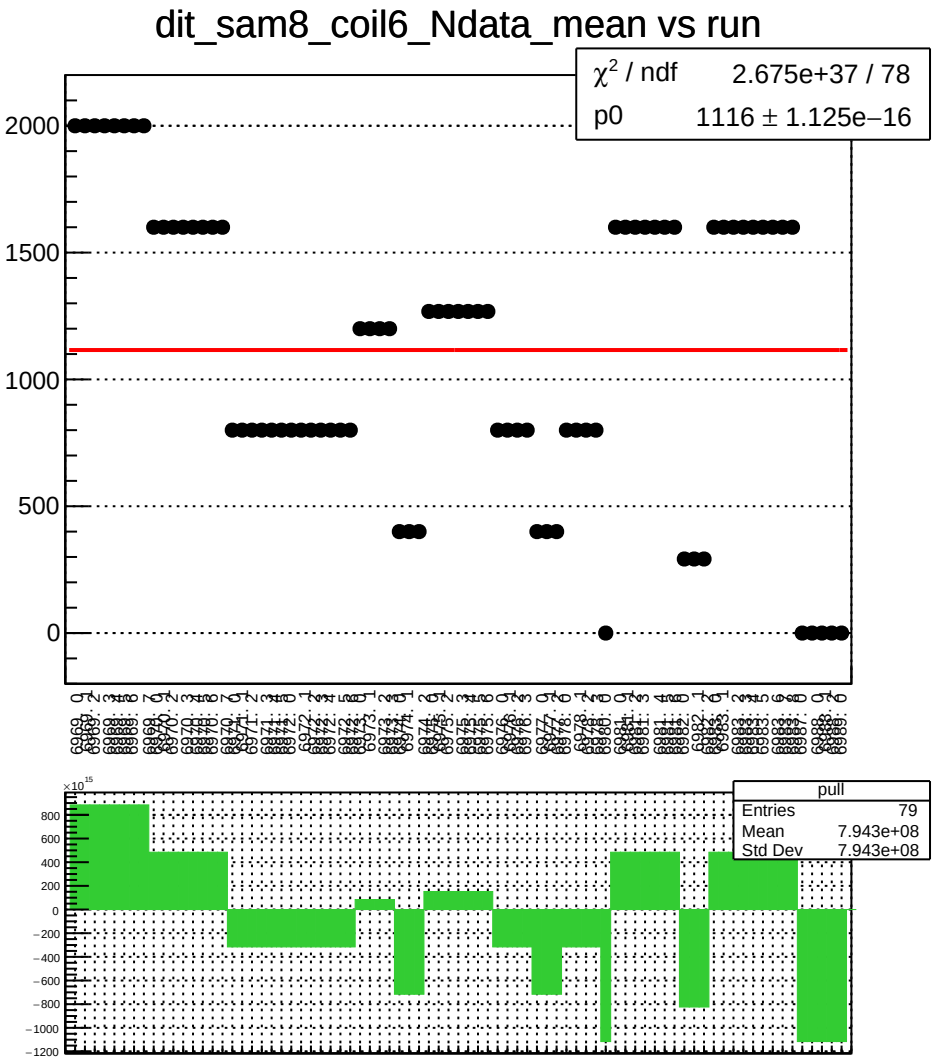
dit_sam8_coil6_mean vs run

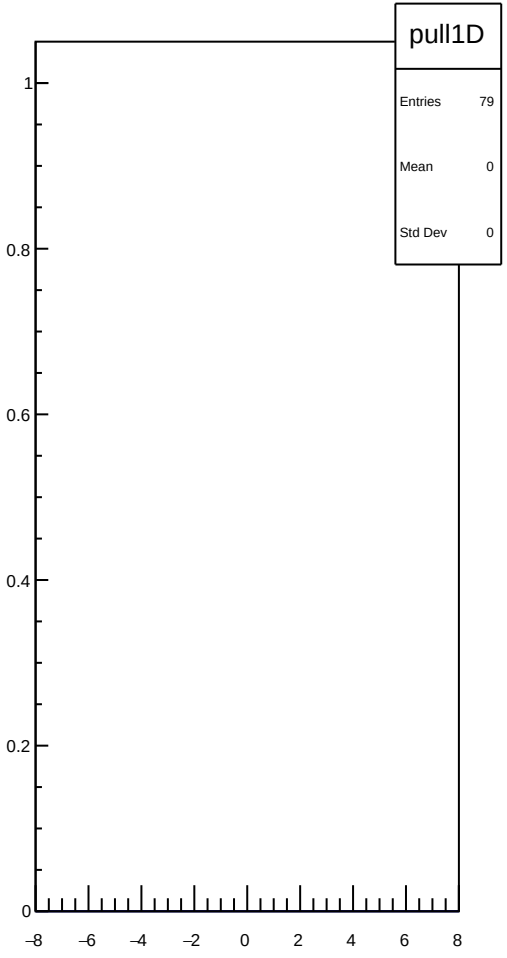


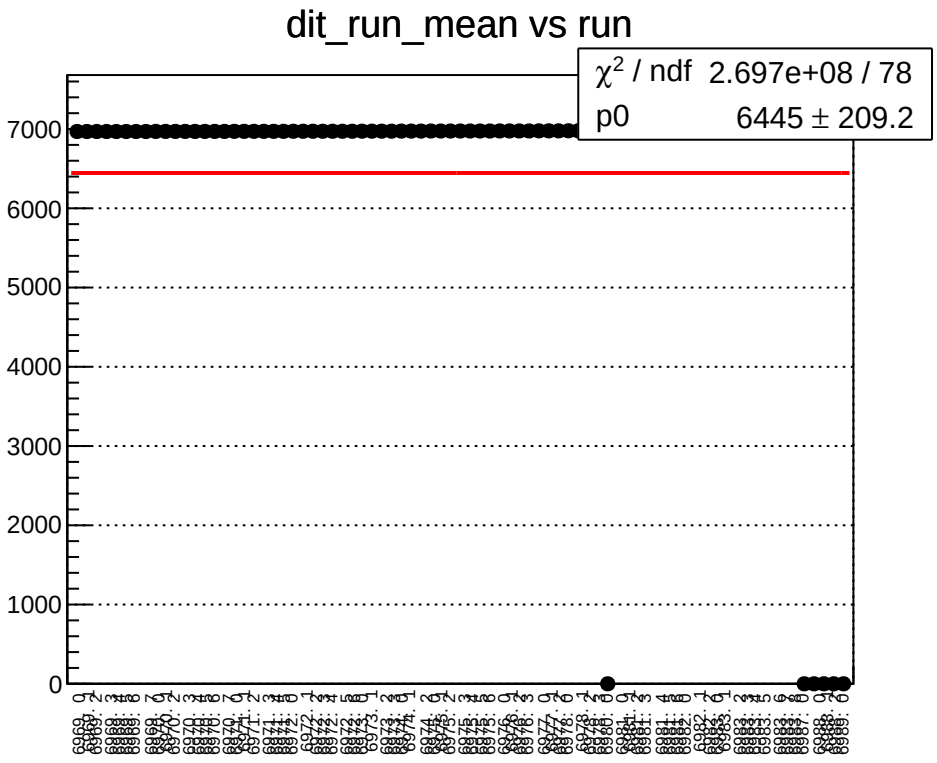


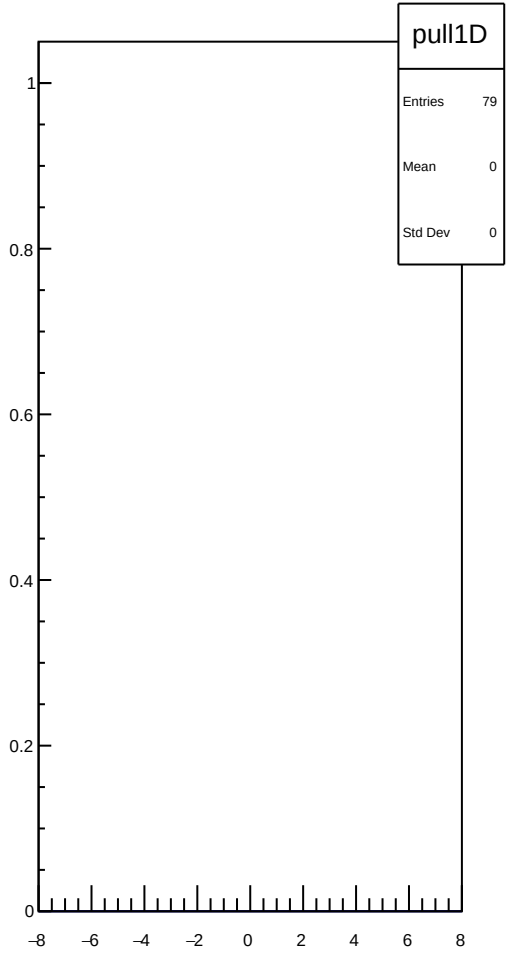

dit_sam8_coil6_err_mean vs run
χ² / ndf 2.028e+34 / 78
p0 38.59 ± 1.125e−16
pull
Entries 79
Mean 5.78e+09
Std Dev 5.78e+09

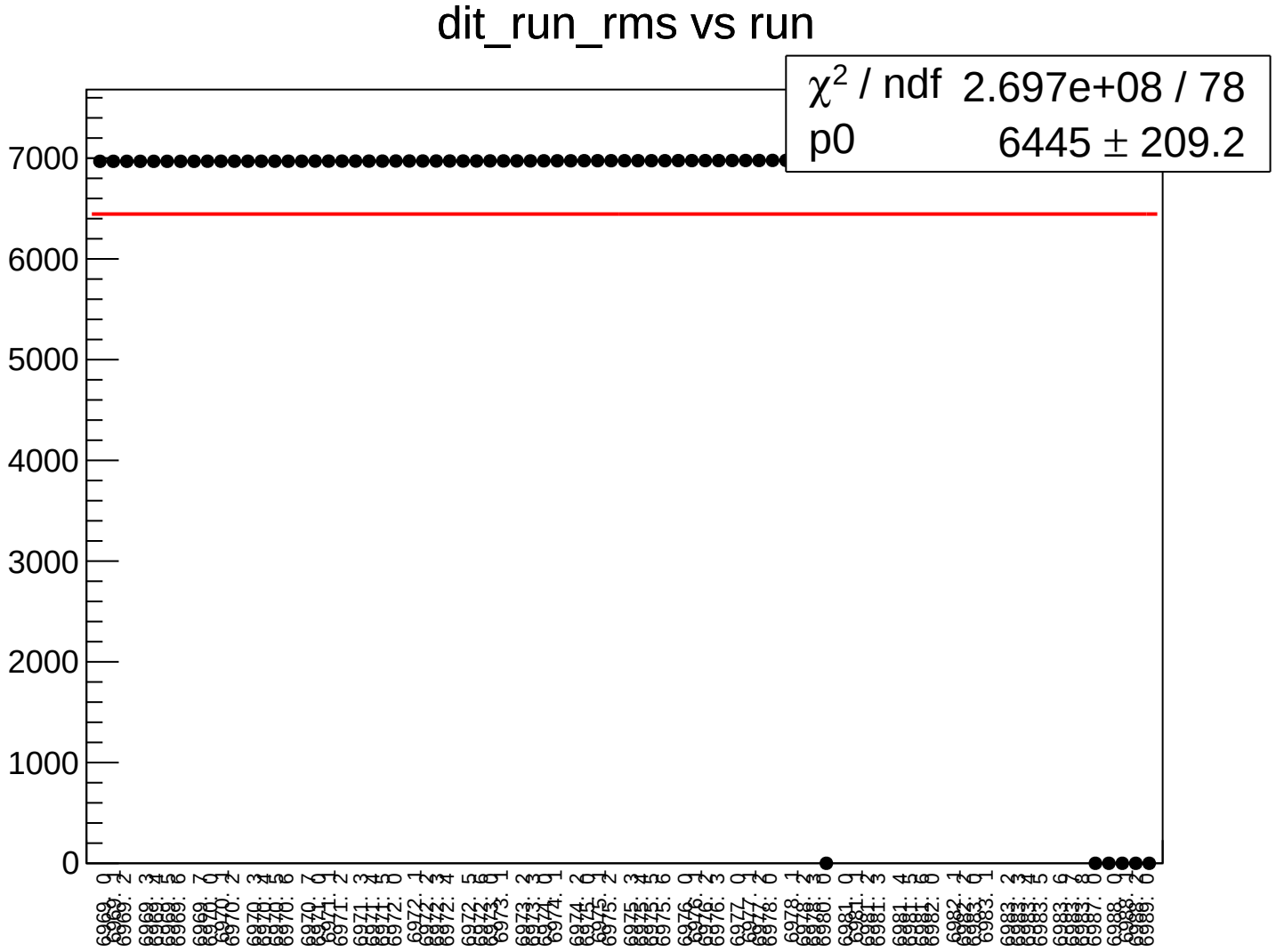

pull1D
Entries 79
Mean 0
Std Dev 0

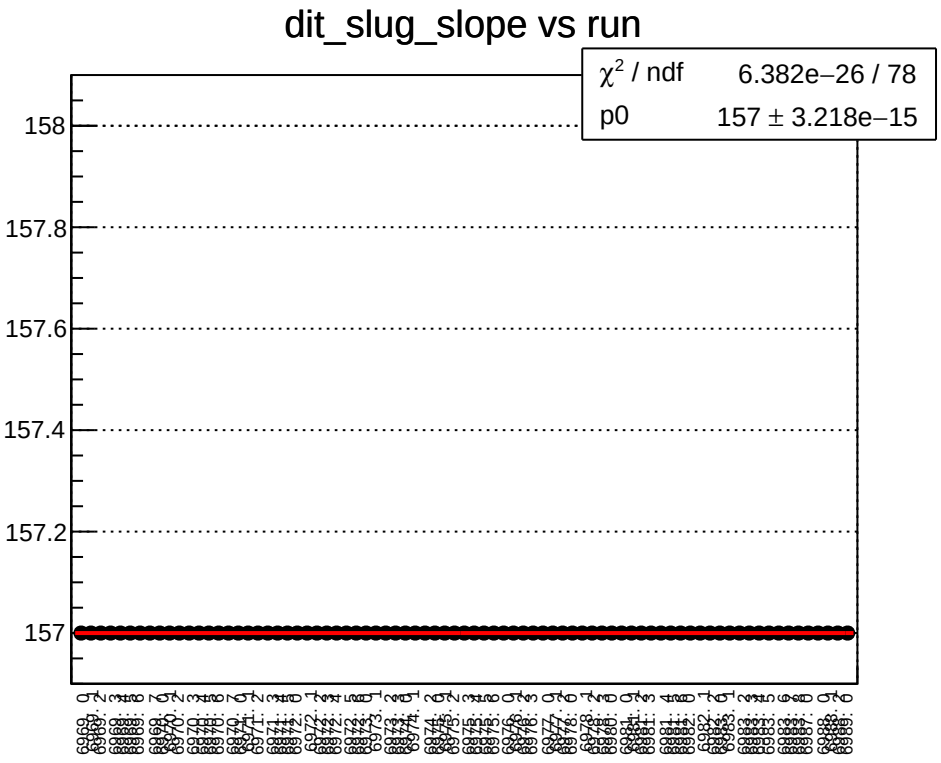

dit_sam8_coil6_Ndata_mean vs run
χ² / ndf 2.675e+37 / 78
p0 1116 ± 1.125e−16
2000
1500
1000
500
0
pull
Entries 79
Mean 7.943e+08
Std Dev 7.943e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

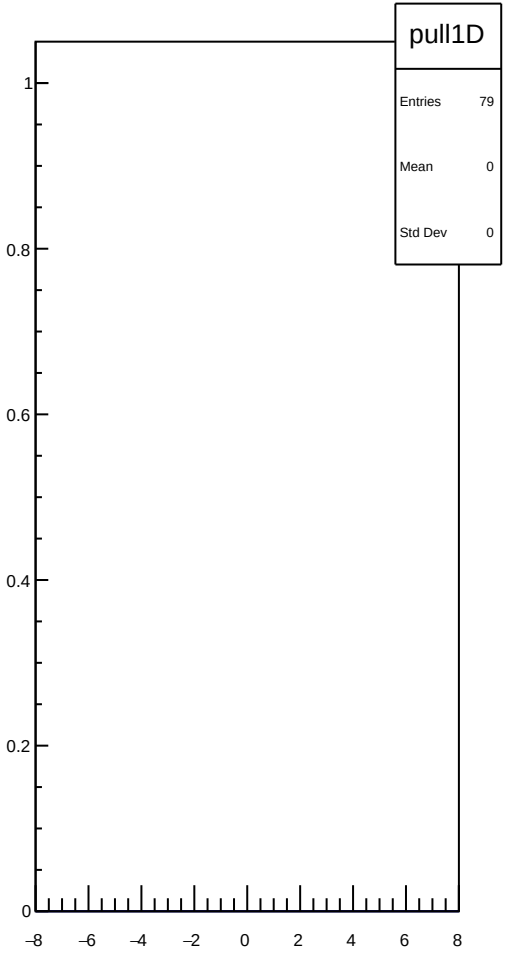

pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

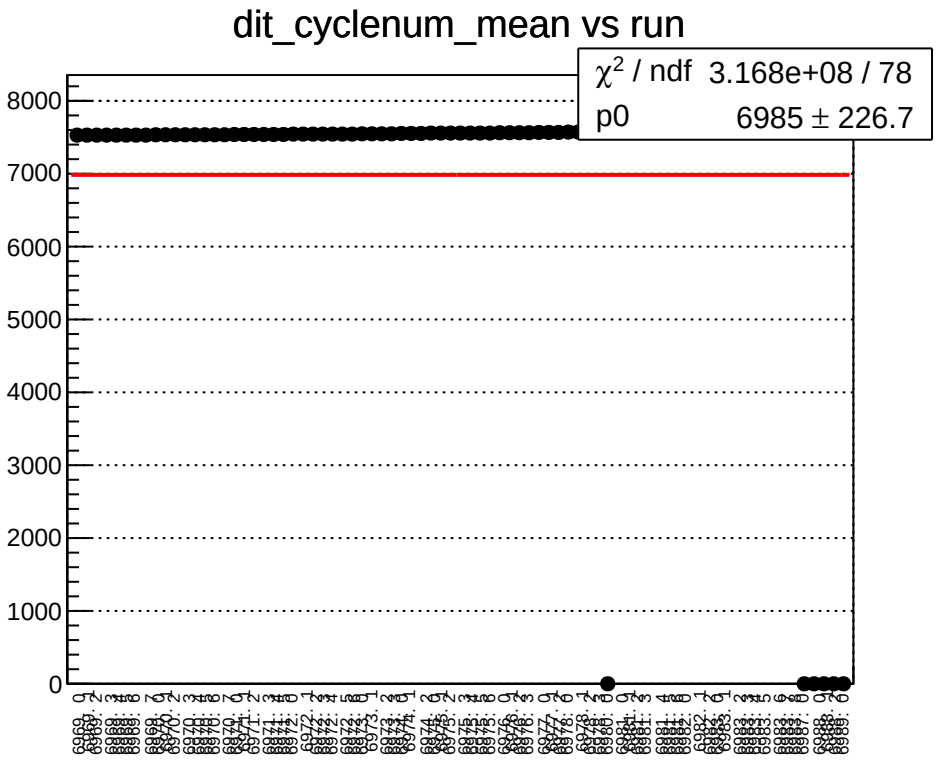

dit_run_mean vs run
χ^2 / ndf 2.697e+08 / 78
p0 6445 ± 209.2
7000
6000
5000
4000
3000
2000
1000
0

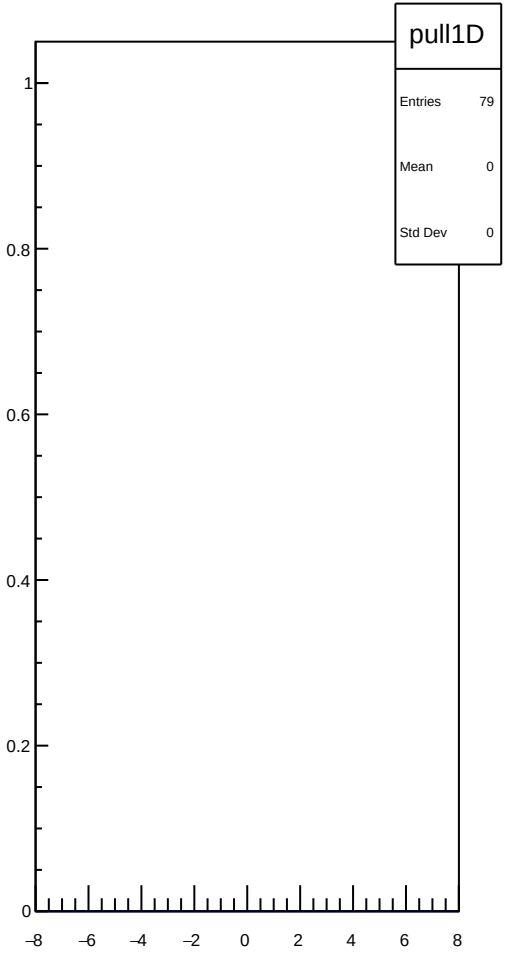

pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

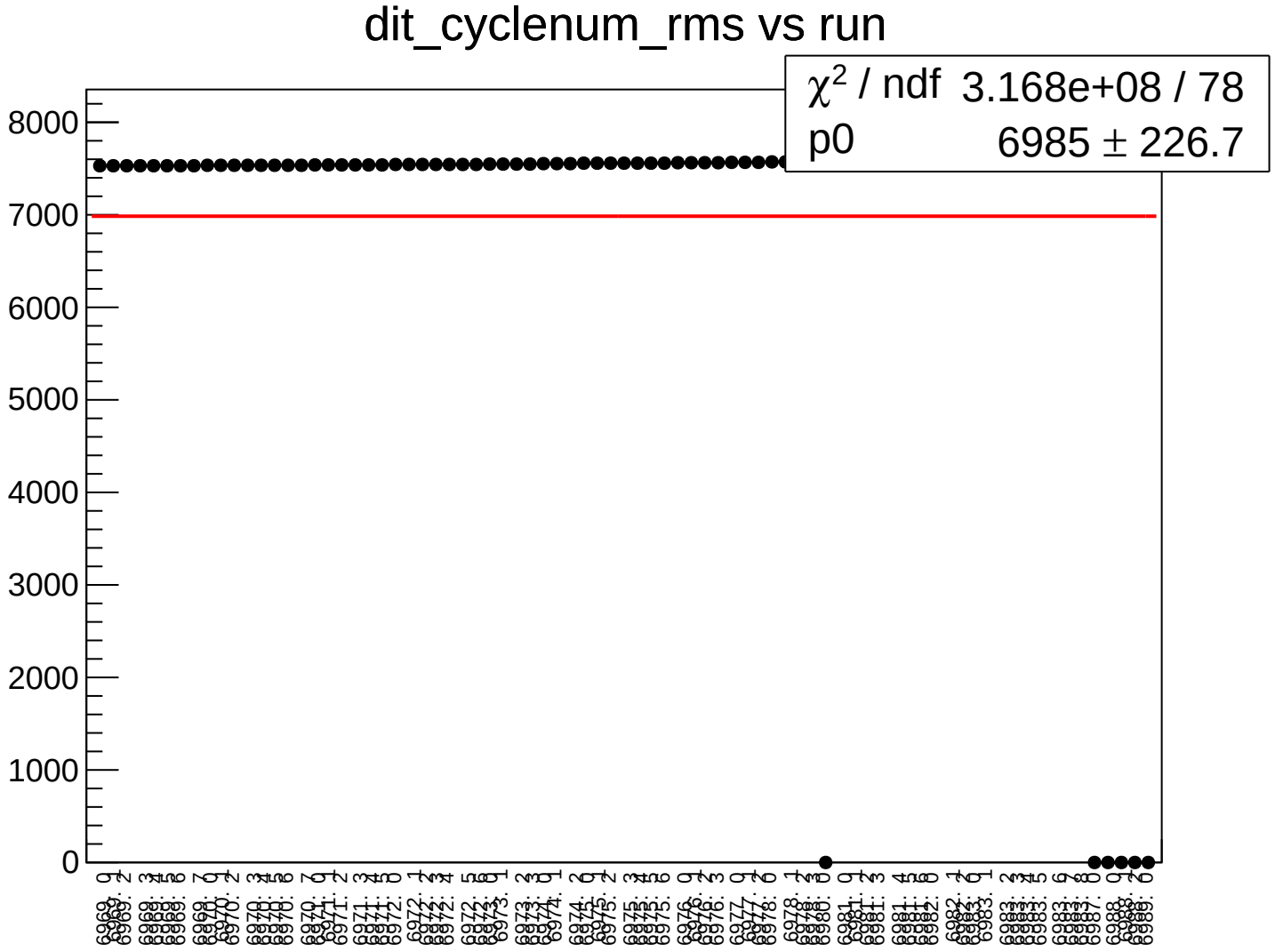

dit_run_rms vs run
χ^2 / ndf 2.697e+08 / 78
p0 6445 ± 209.2
7000
6000
5000
4000
3000
2000
1000
0

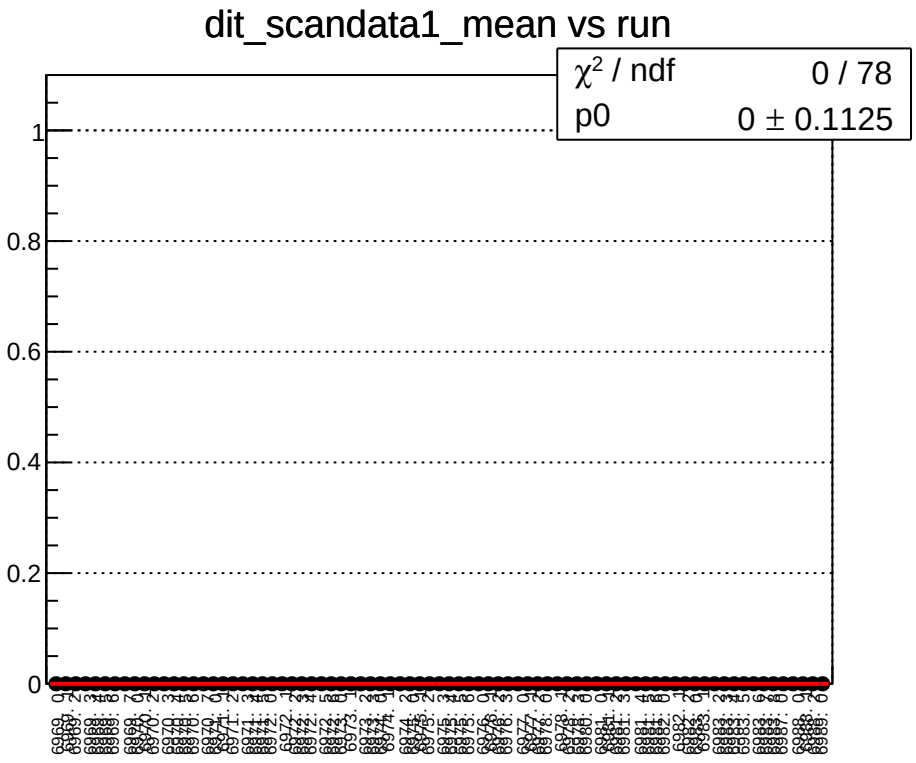

dit_slug_slope vs run
χ^2 / ndf 6.382e−26 / 78
p0 157 ± 3.218e−15
158
157.8
157.6
157.4
157.2
157

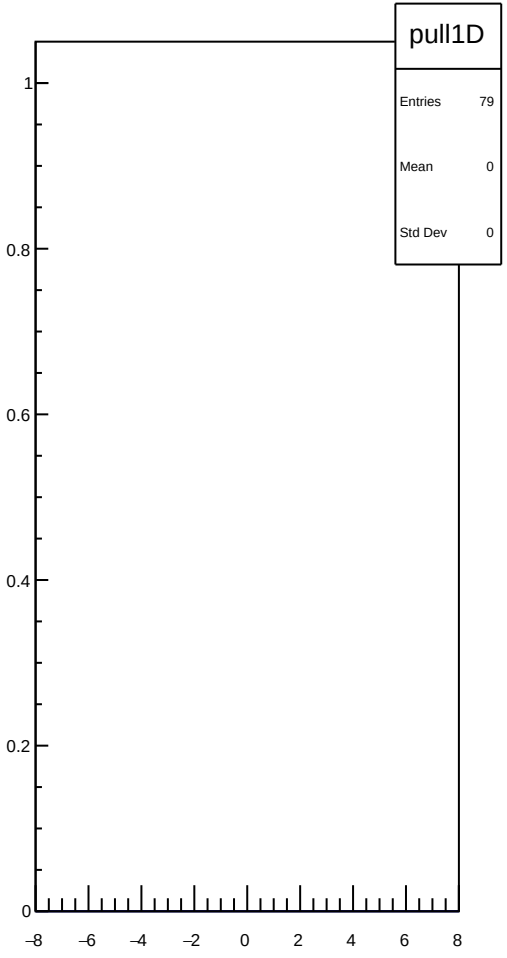

pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_cyclenum_mean vs run
χ^2 / ndf 3.168e+08 / 78
p0 6985 ± 226.7
8000
7000
6000
5000
4000
3000
2000
1000
0

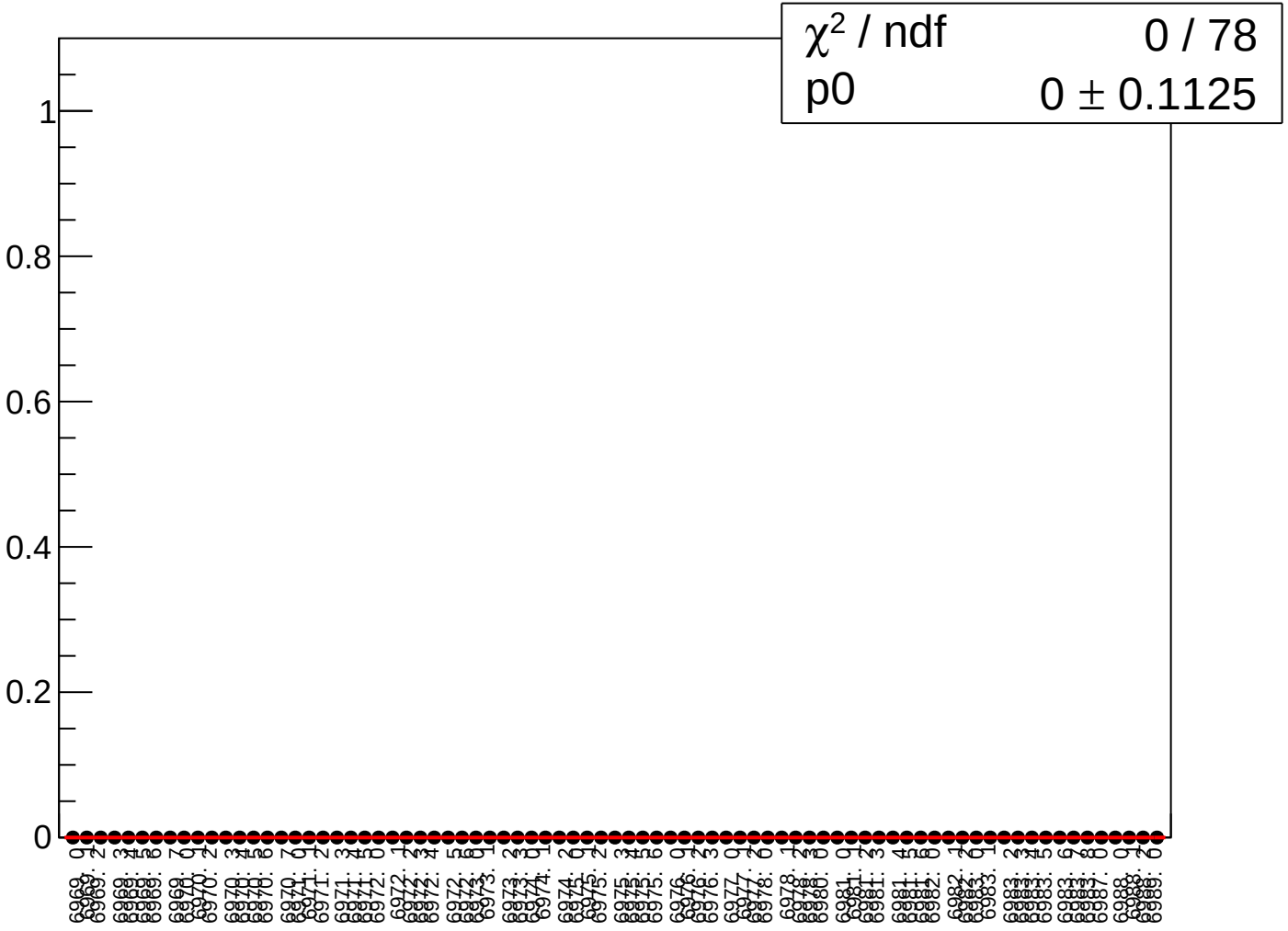

pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

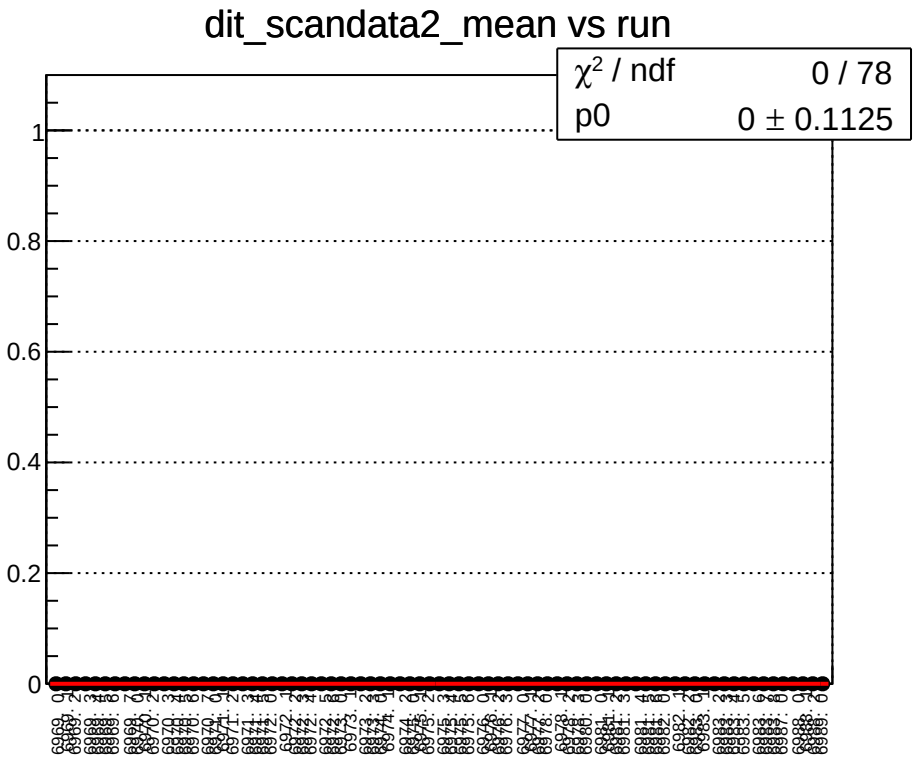

dit_cyclenum_rms vs run
χ² / ndf 3.168e+08 / 78
p0 6985 ± 226.7
8000
7000
6000
5000
4000
3000
2000
1000
0

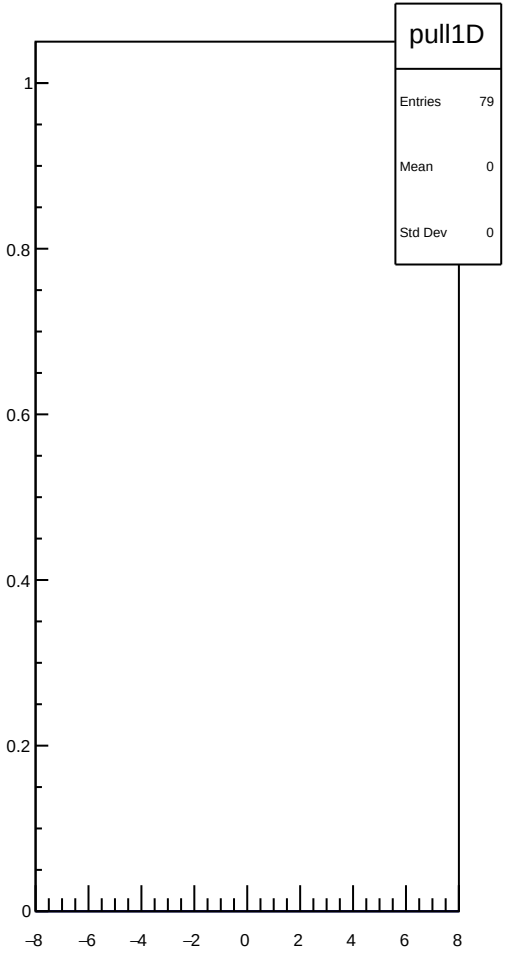

dit_scandata1_mean vs run
χ^2 / ndf 0 / 78
p0 0 ± 0.1125
1
0.8
0.6
0.4
0.2
0


pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

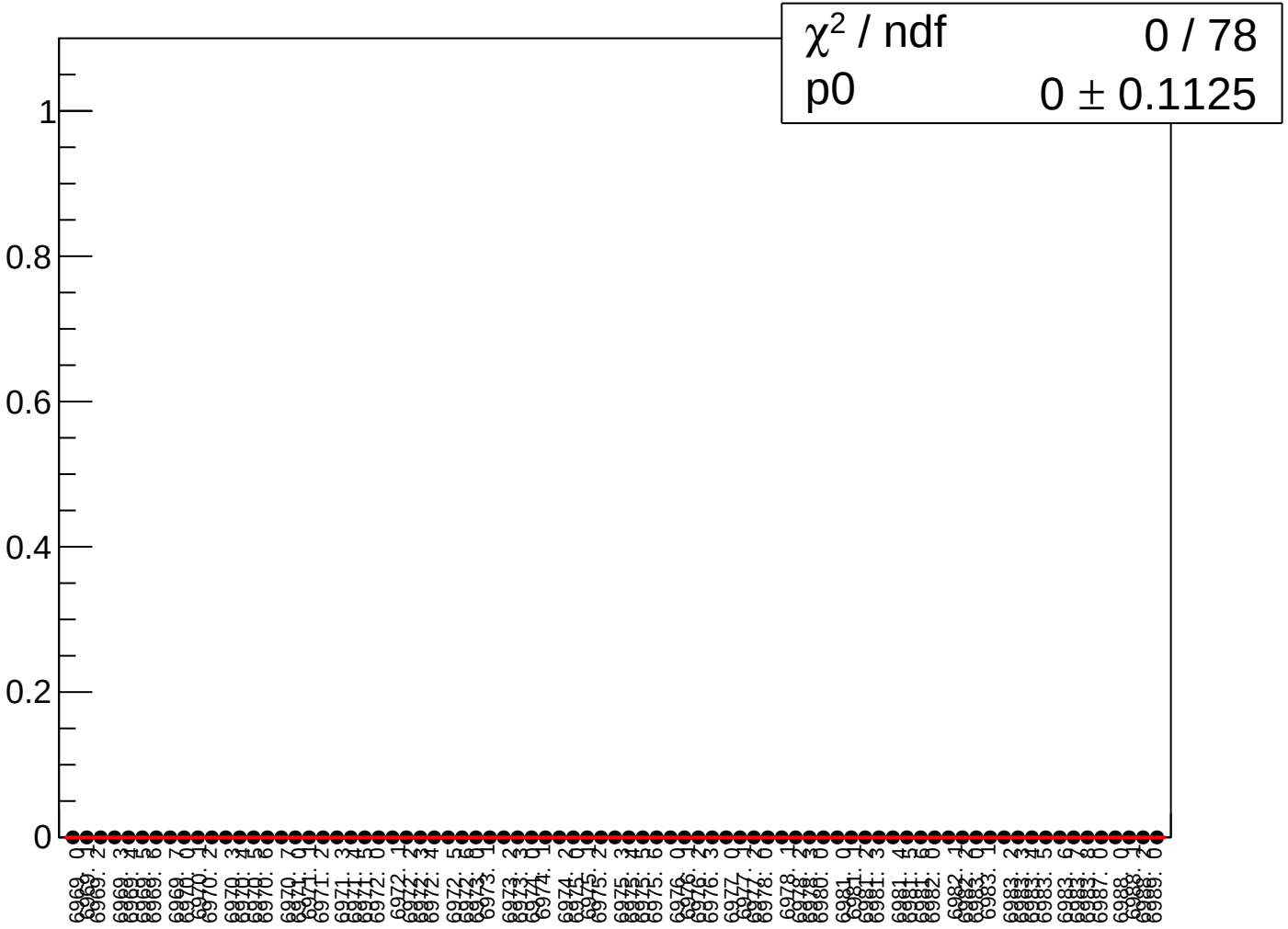
dit_scandata1_rms vs run

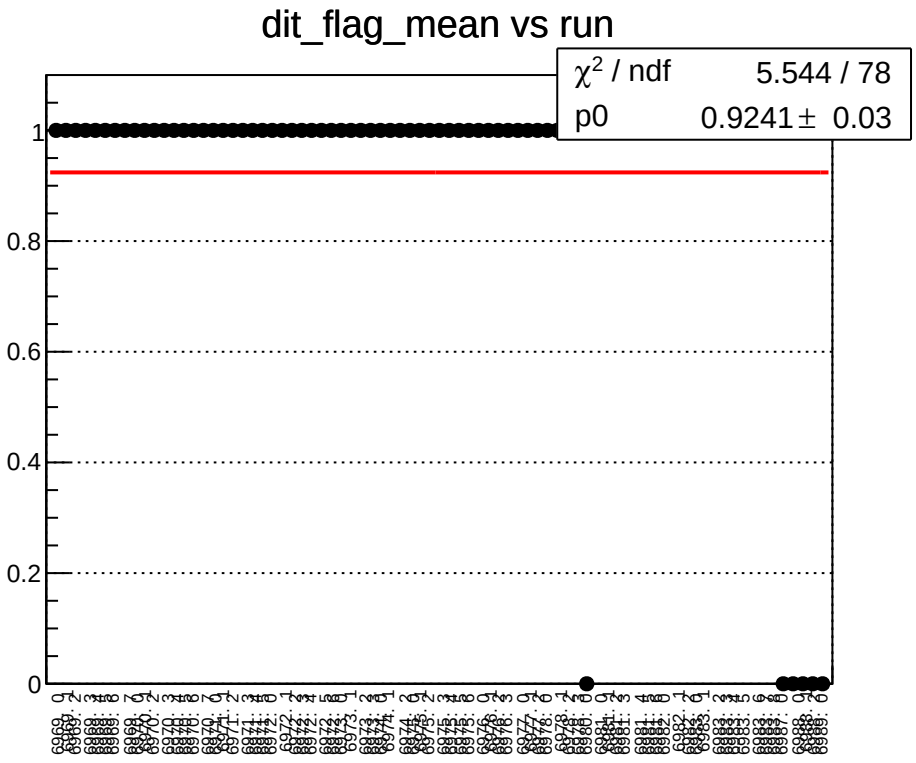


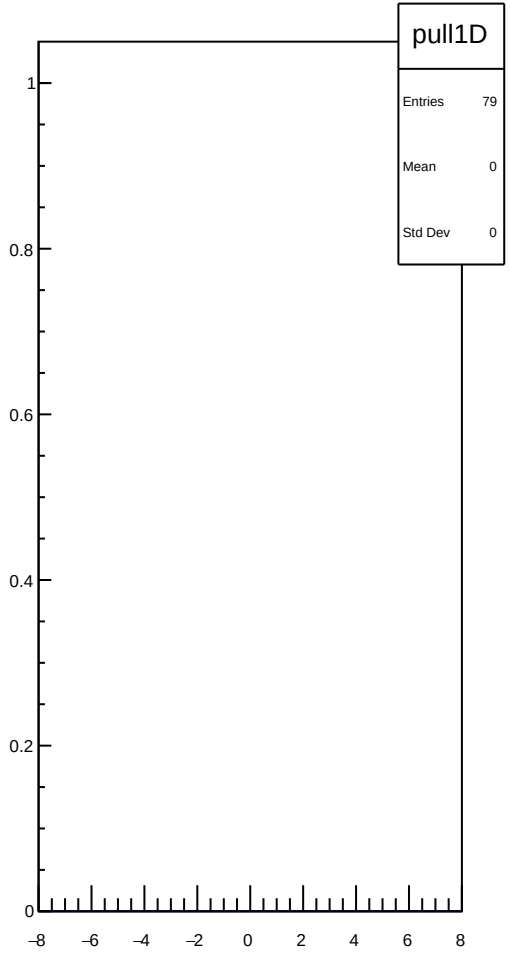

dit_scandata2_mean vs run
χ^2 / ndf 0 / 78
p0 0 ± 0.1125
1
0.8
0.6
0.4
0.2
0


pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

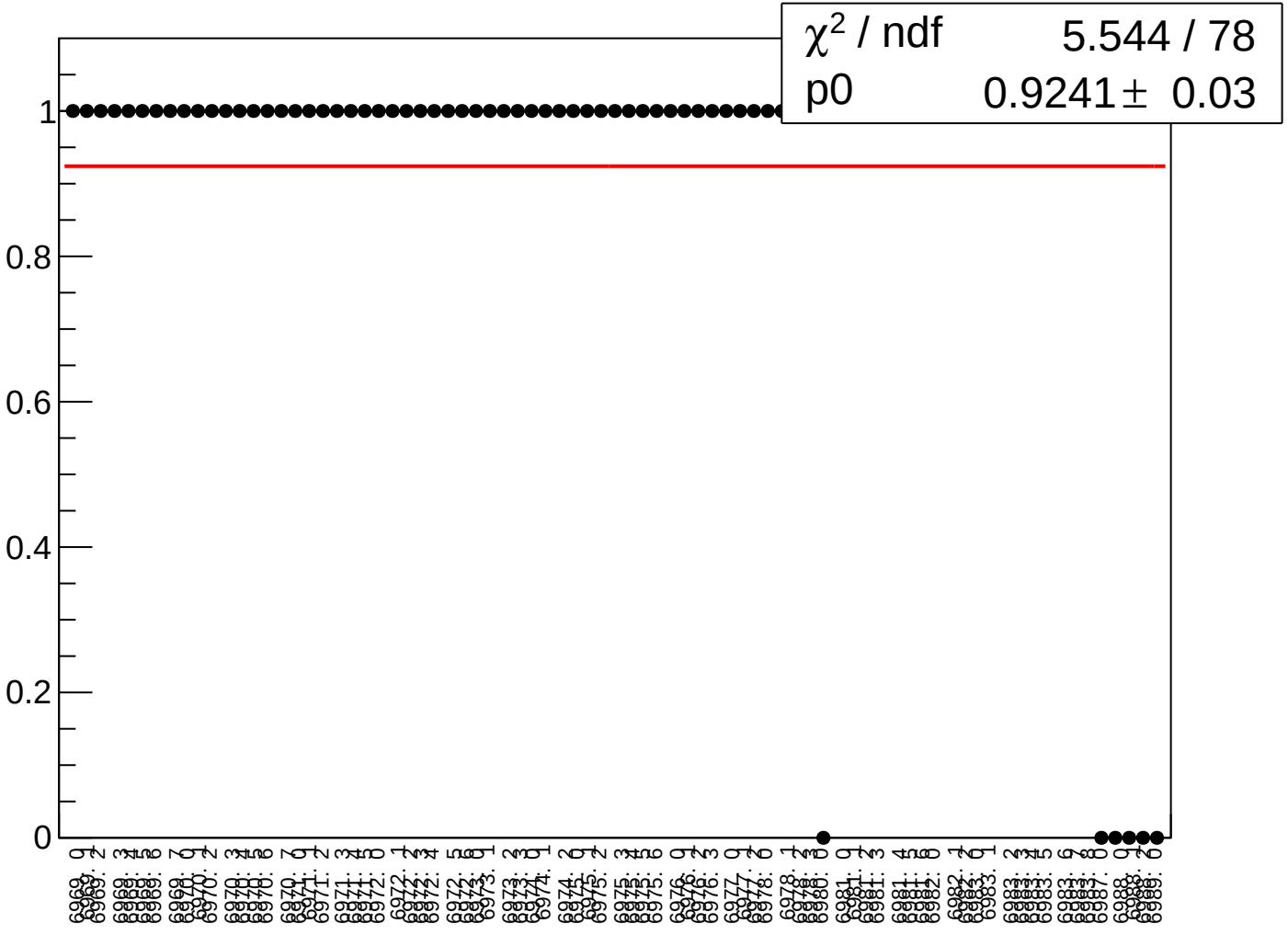
dit_scandata2_rms vs run

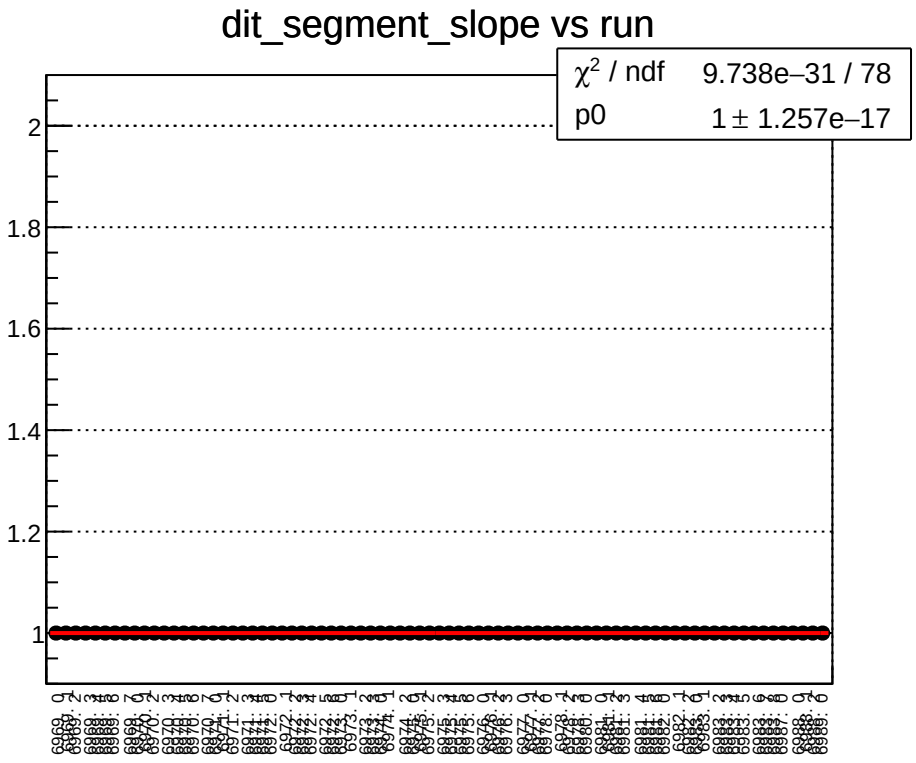


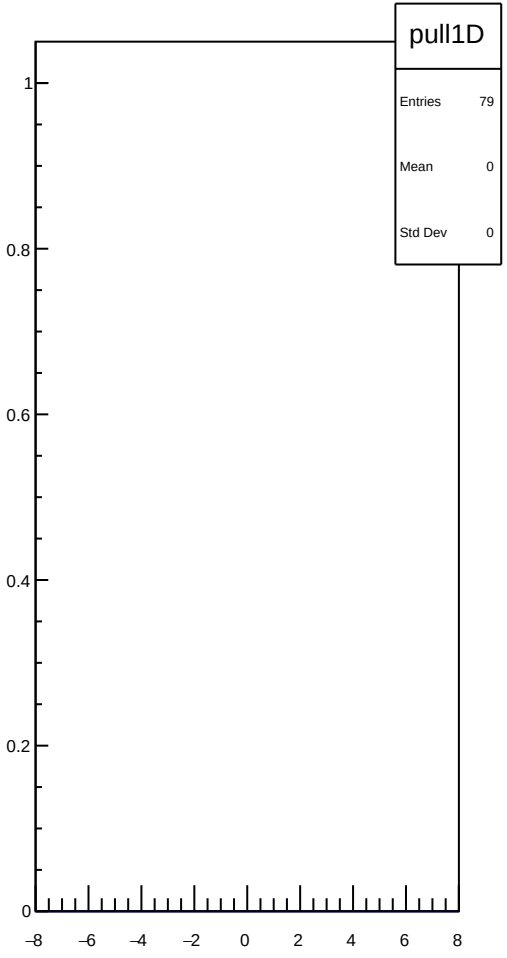

dit_flag_mean vs run
χ^2 / ndf 5.544 / 78
p0 0.9241 ± 0.03
1
0.8
0.6
0.4
0.2
0

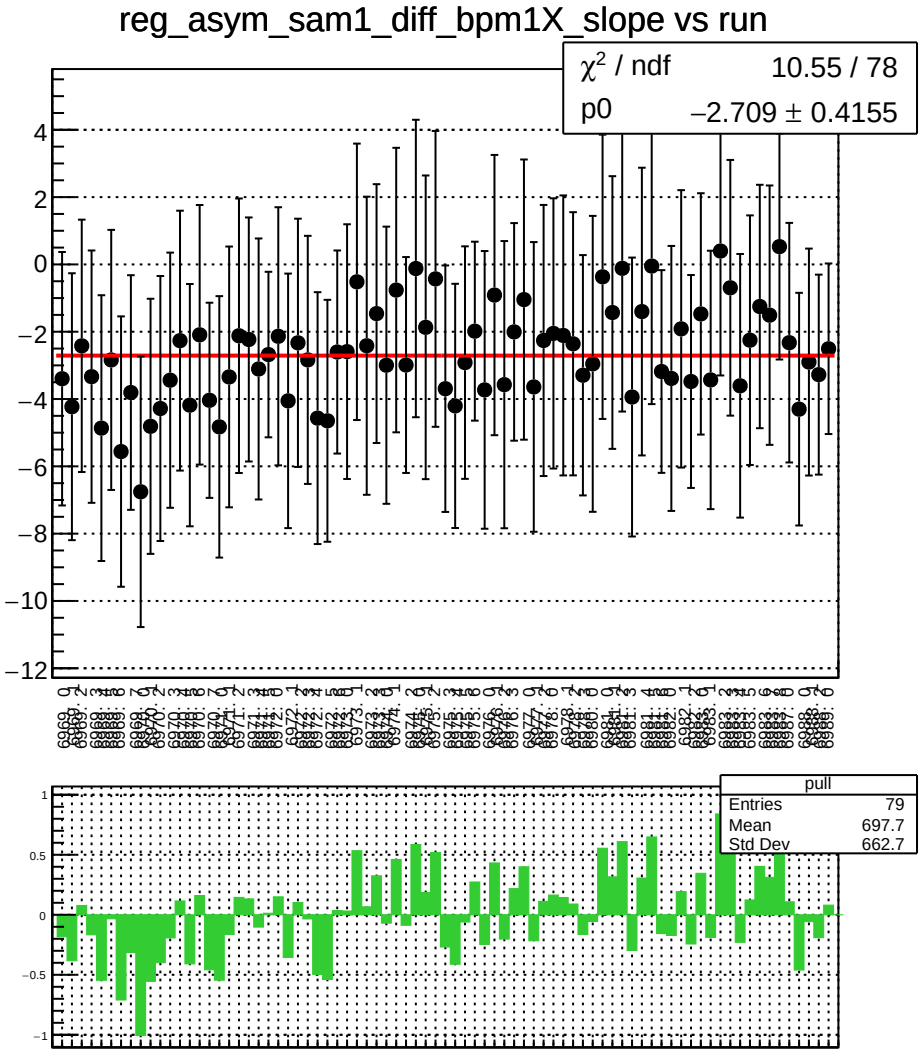

pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

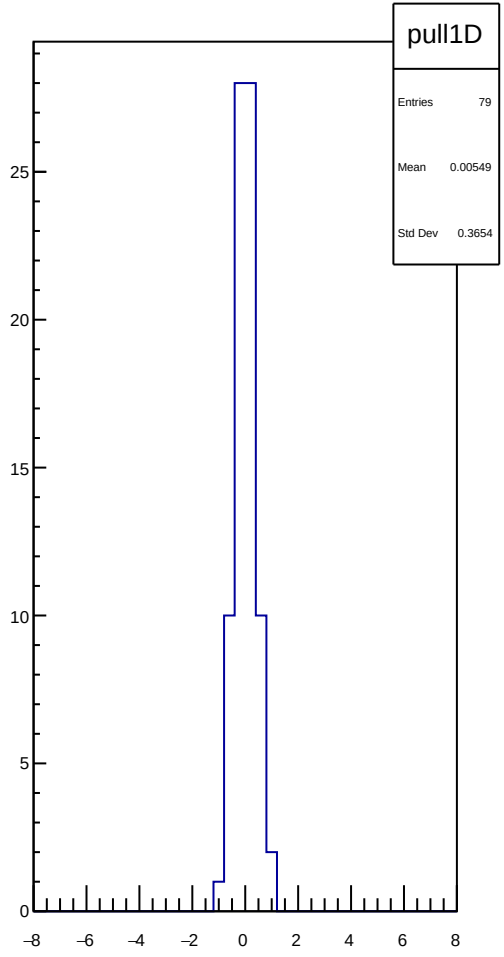
dit_flag_rms vs run

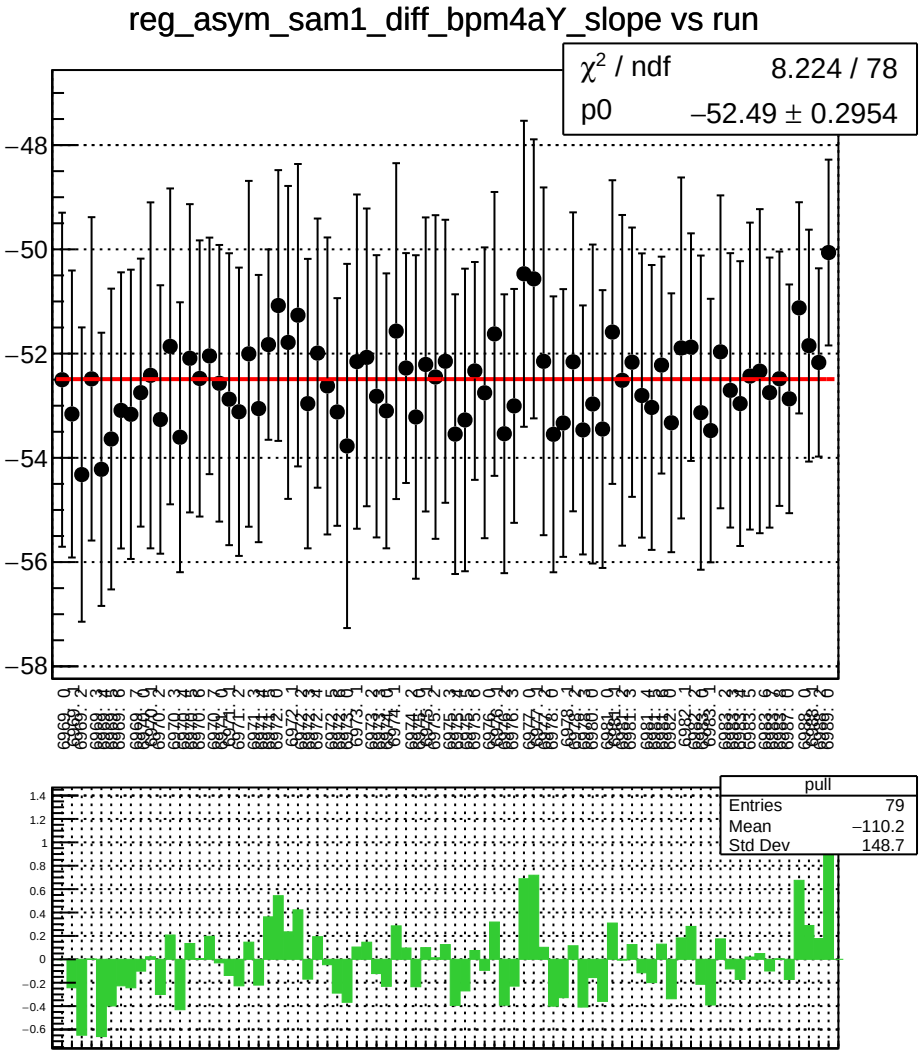


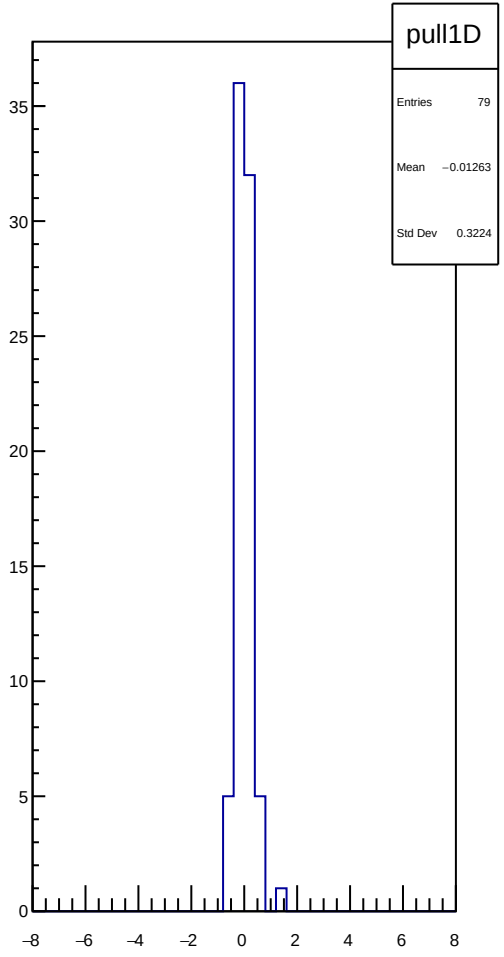

dit_segment_slope vs run
χ^2 / ndf 9.738e–31 / 78
p0 1 ± 1.257e–17
2
1.8
1.6
1.4
1.2
1

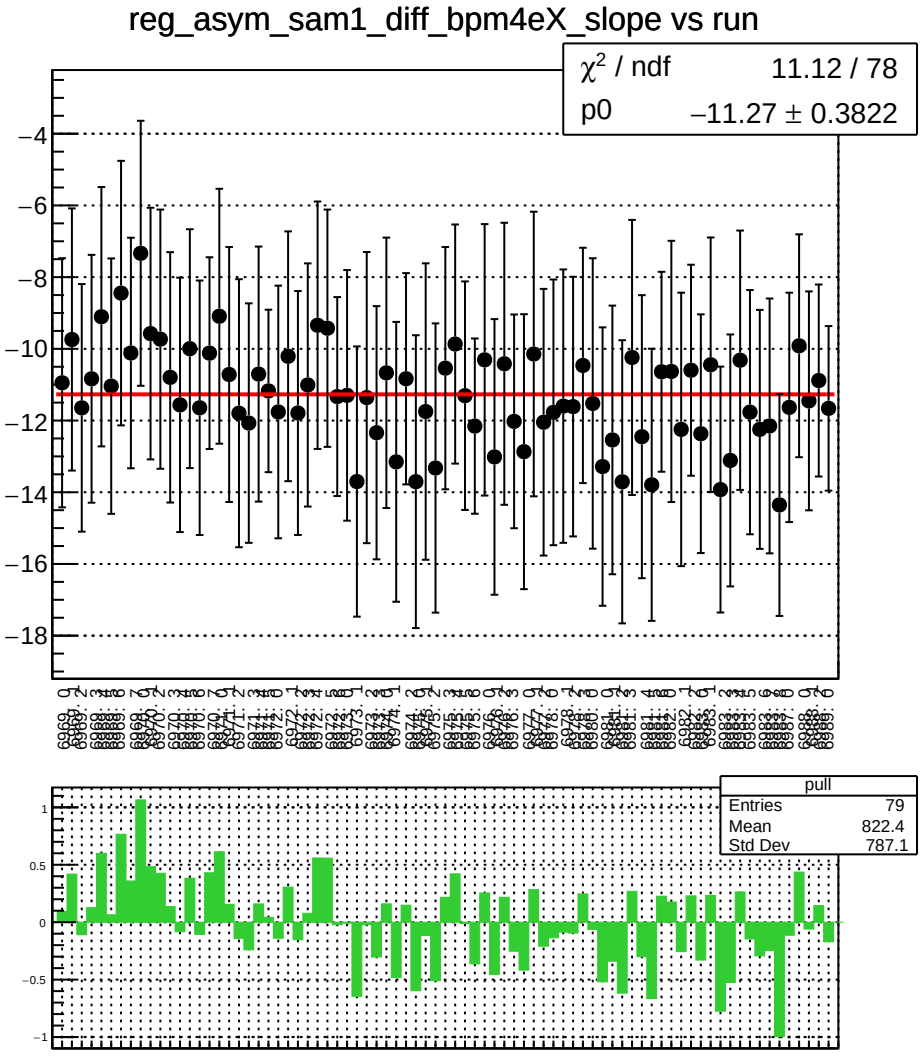

pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

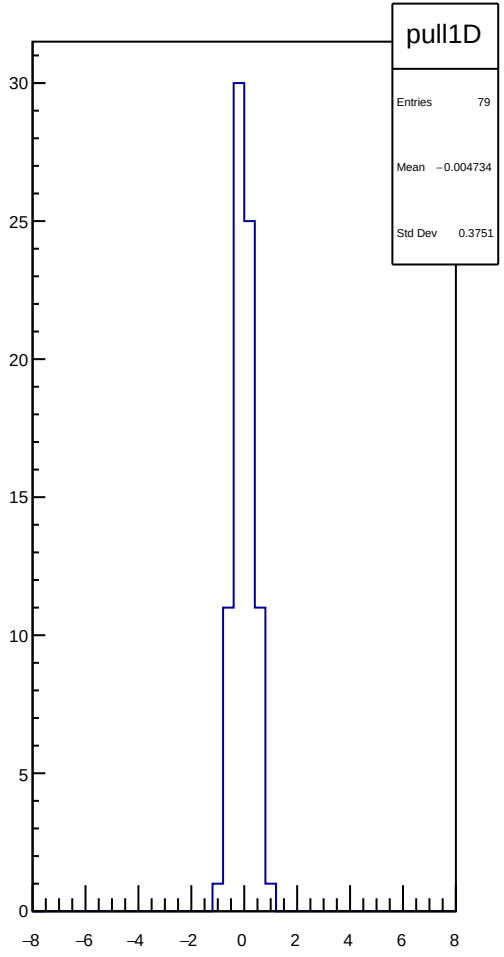

reg_asym_sam1_diff_bpm1X_slope vs run
χ^2 / ndf 10.55 / 78
p0 −2.709 ± 0.4155
pull
Entries 79
Mean 697.7
Std Dev 662.7

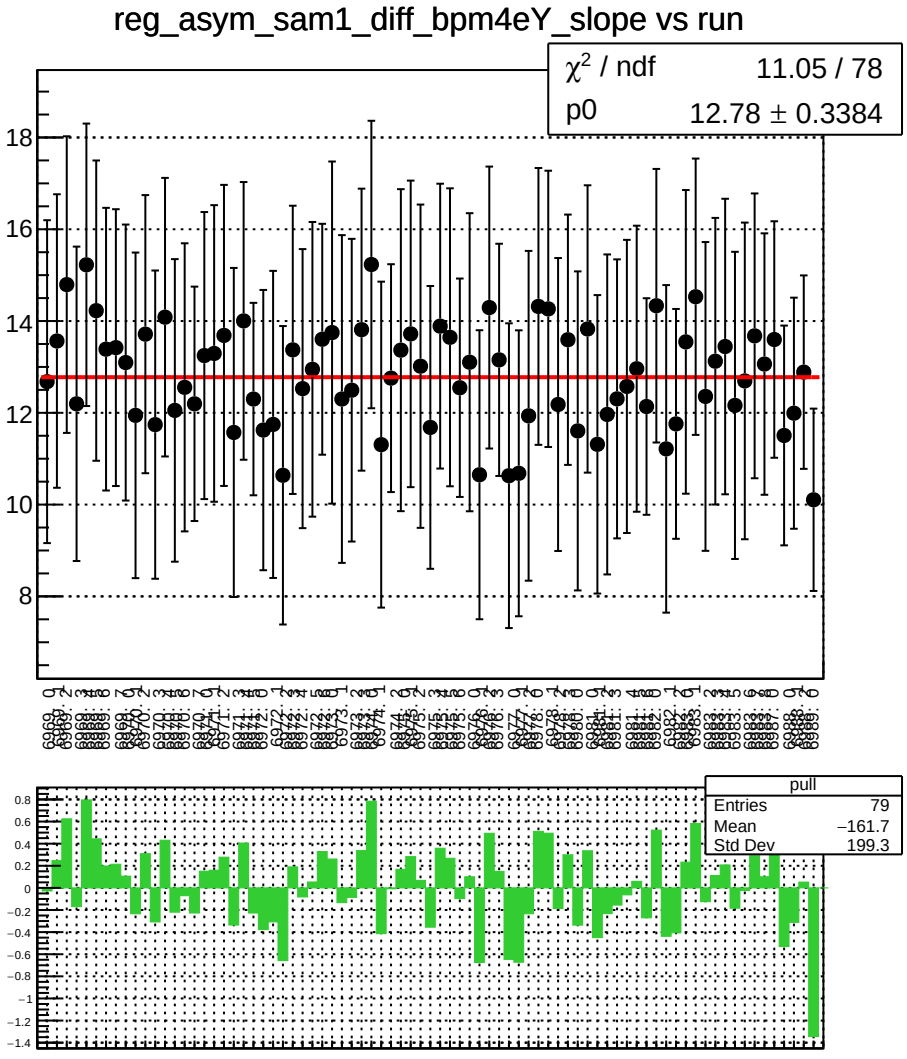

pull1D
Entries 79
Mean 0.00549
Std Dev 0.3654

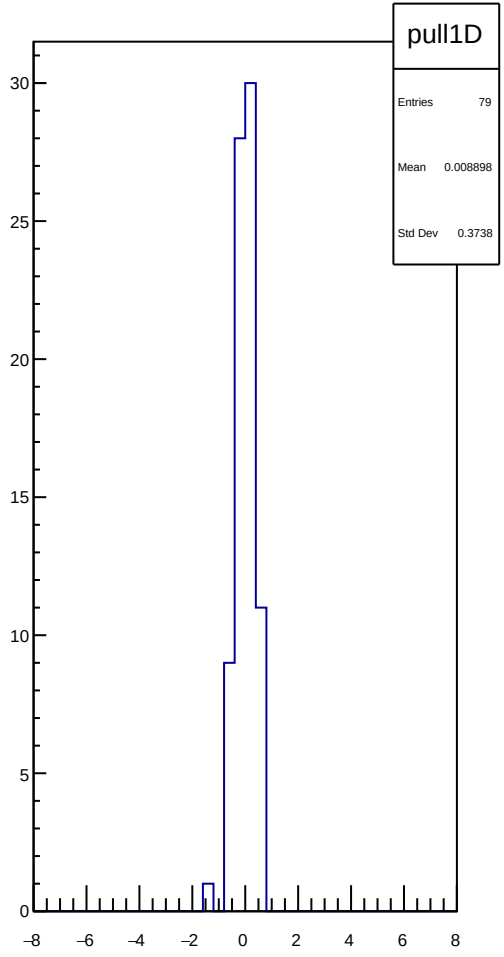

reg_asym_sam1_diff_bpm4aY_slope vs run
χ^2 / ndf 8.224 / 78
p0 −52.49 ± 0.2954
pull
Entries 79
Mean −110.2
Std Dev 148.7

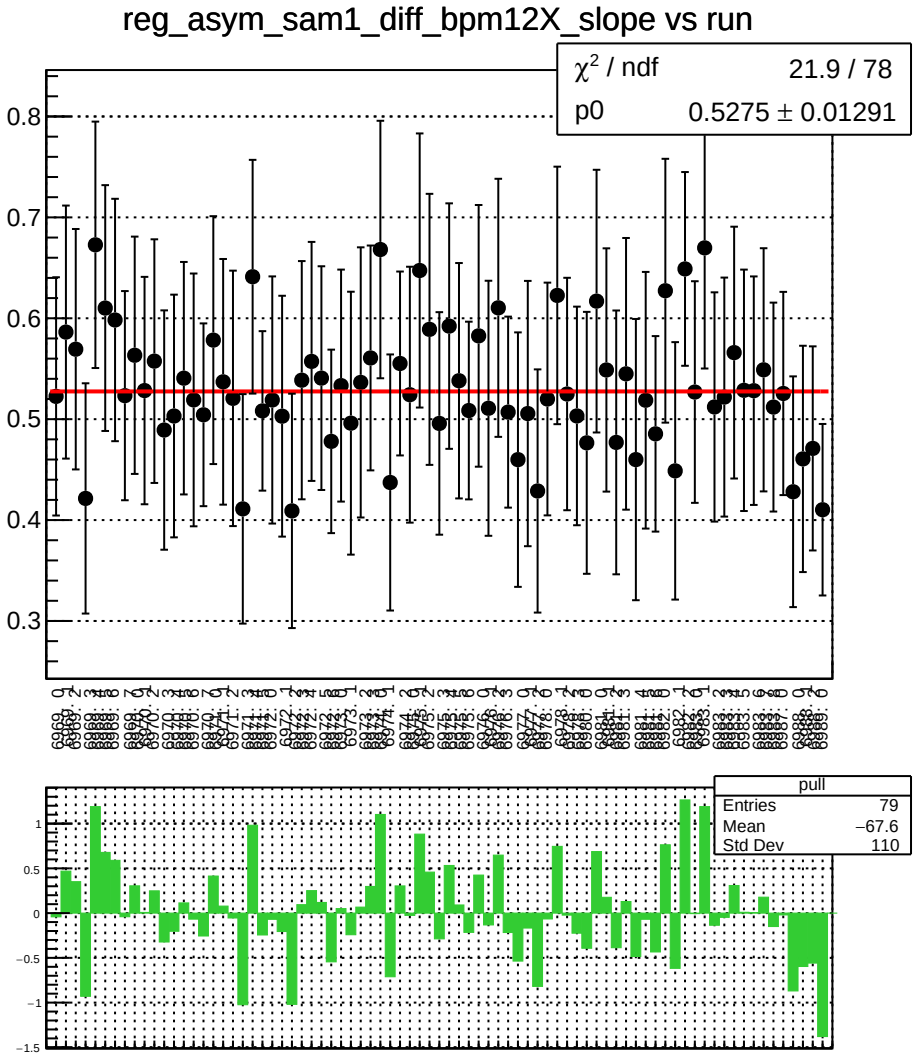

pull1D
Entries 79
Mean −0.01263
Std Dev 0.3224

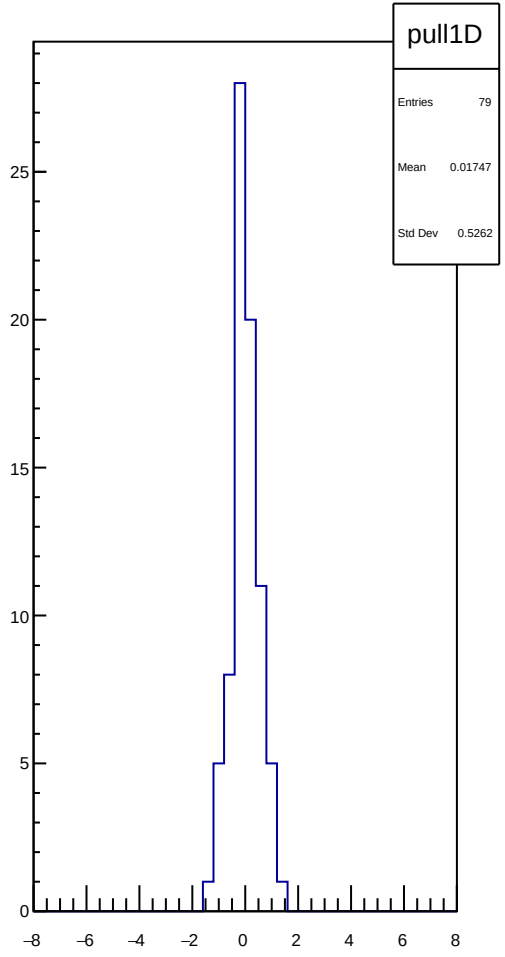

reg_asym_sam1_diff_bpm4eX_slope vs run
χ^2 / ndf 11.12 / 78
p0 −11.27 ± 0.3822
pull
Entries 79
Mean 822.4
Std Dev 787.1

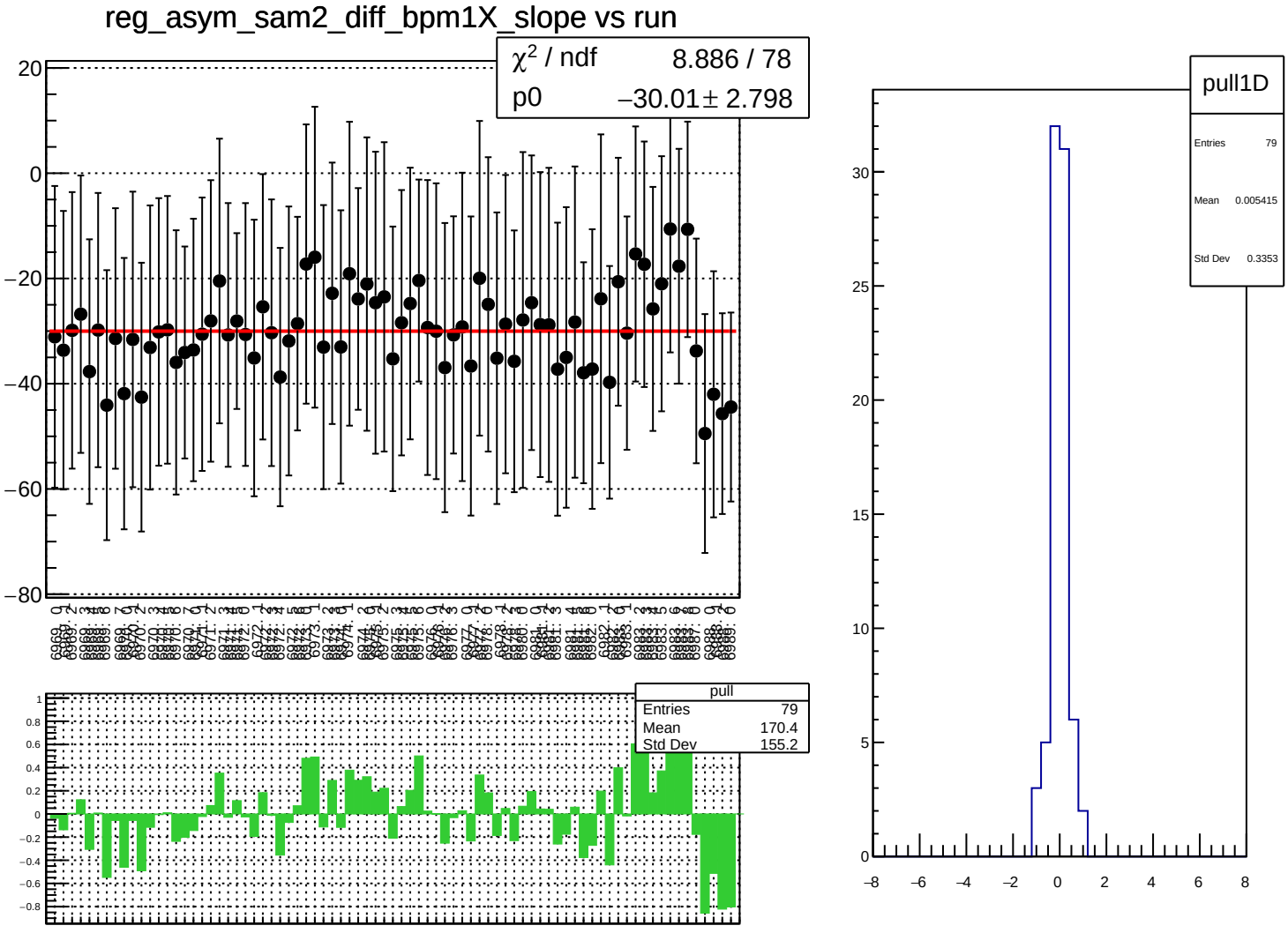

pull1D
Entries 79
Mean −0.004734
Std Dev 0.3751

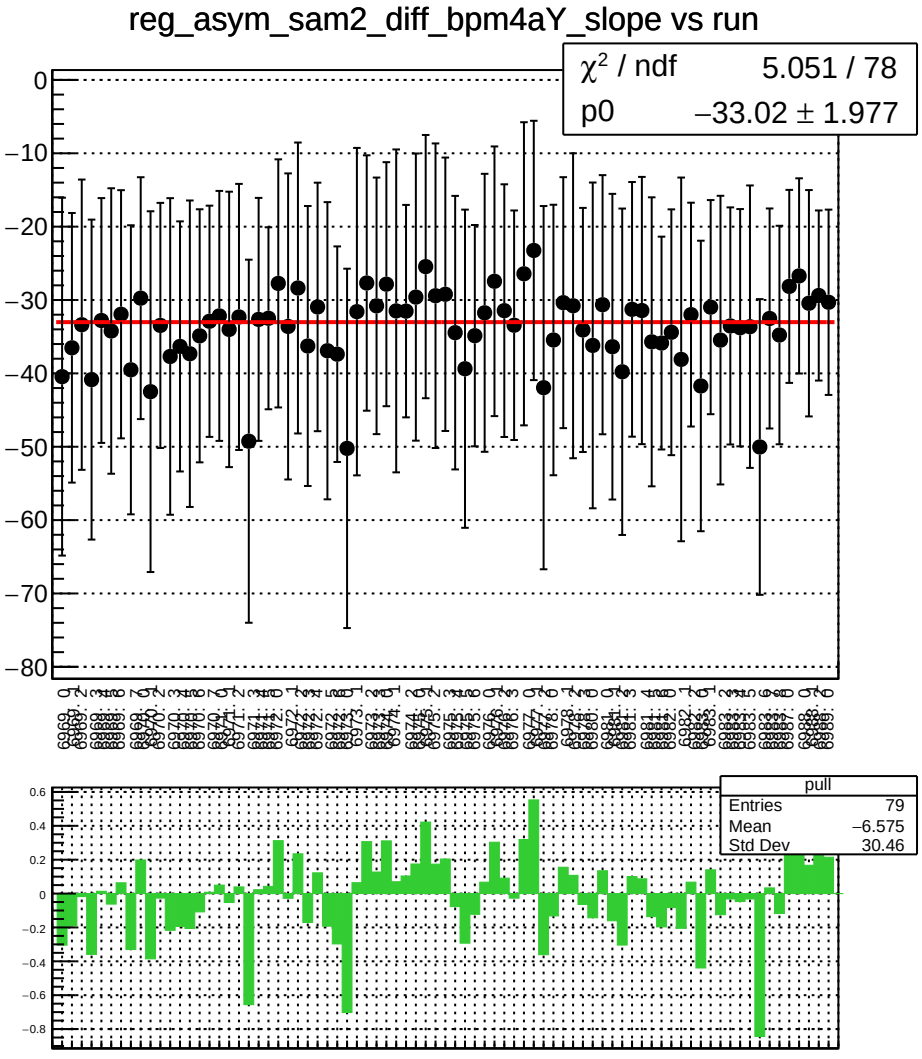

reg_asym_sam1_diff_bpm4eY_slope vs run
χ^2 / ndf 11.05 / 78
p0 12.78 ± 0.3384
pull
Entries 79
Mean −161.7
Std Dev 199.3

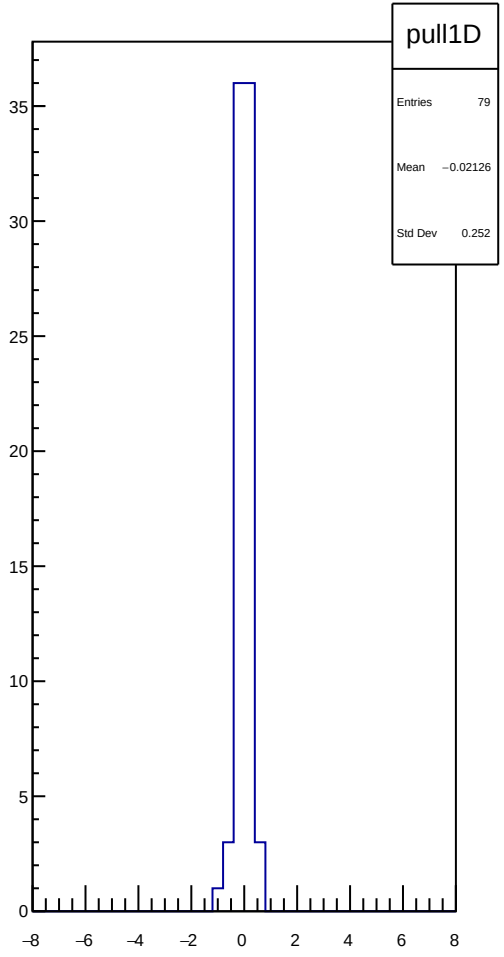

pull1D
Entries 79
Mean 0.008898
Std Dev 0.3738

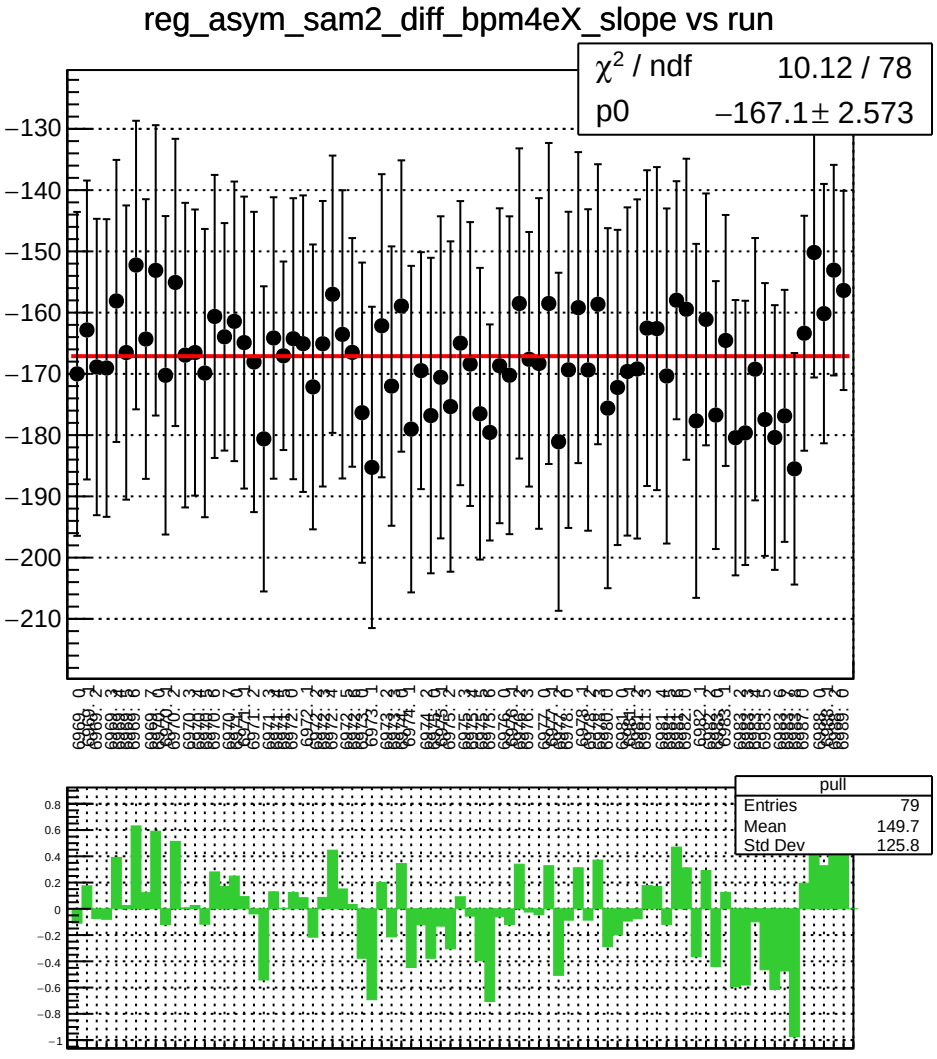

reg_asym_sam1_diff_bpm12X_slope vs run
χ^2 / ndf 21.9 / 78
p0 0.5275 ± 0.01291
pull
Entries 79
Mean −67.6
Std Dev 110

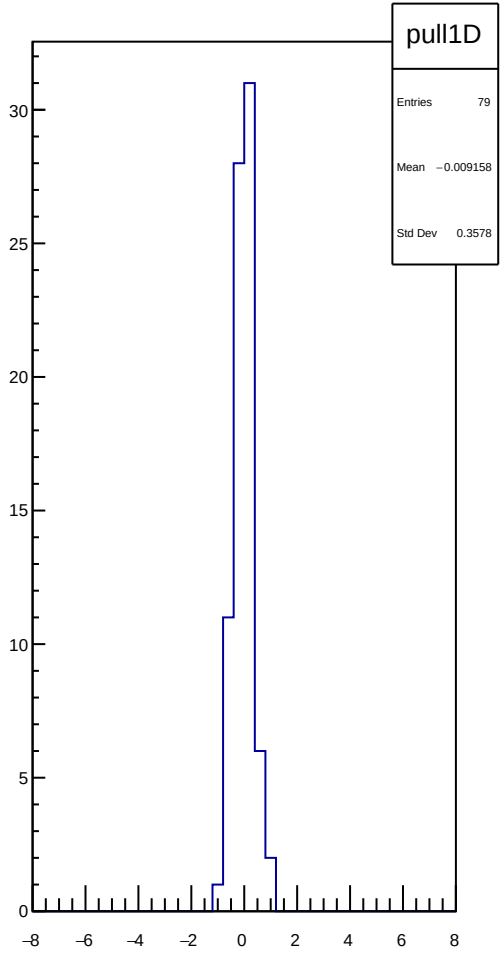

pull1D
Entries 79
Mean 0.01747
Std Dev 0.5262

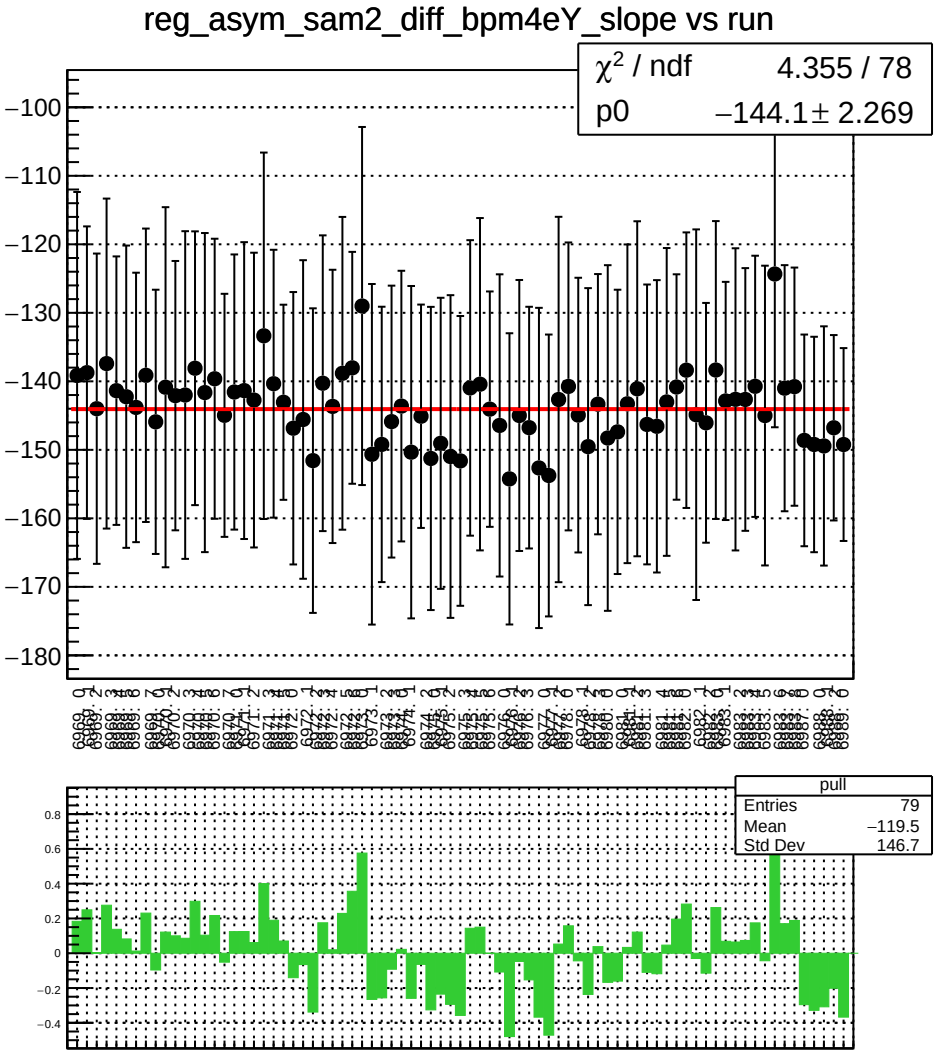

reg_asym_sam2_diff_bpm1X_slope vs run
χ^2 / ndf 8.886 / 78
p0 −30.01 ± 2.798
pull
Entries 79
Mean 170.4
Std Dev 155.2
pull1D
Entries 79
Mean 0.005415
Std Dev 0.3353

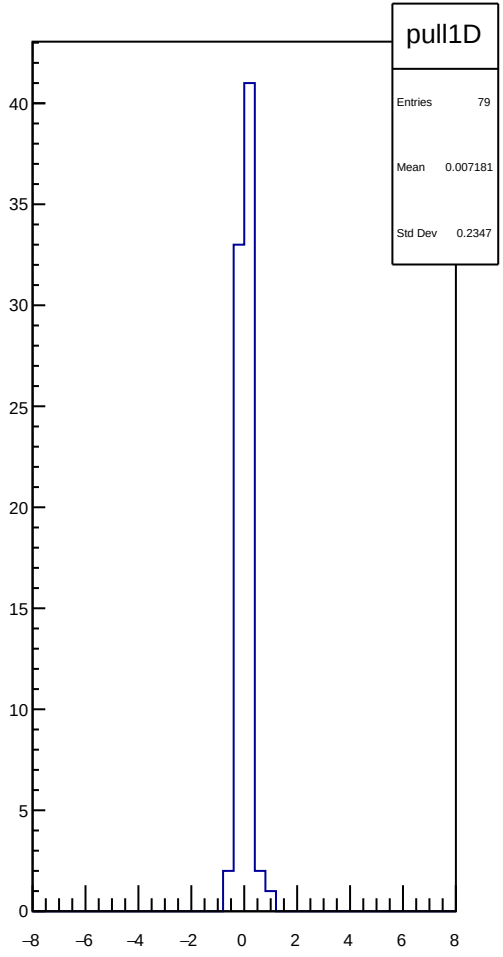

reg_asym_sam2_diff_bpm4aY_slope vs run
χ^2 / ndf 5.051 / 78
p0 −33.02 ± 1.977
pull
Entries 79
Mean −6.575
Std Dev 30.46

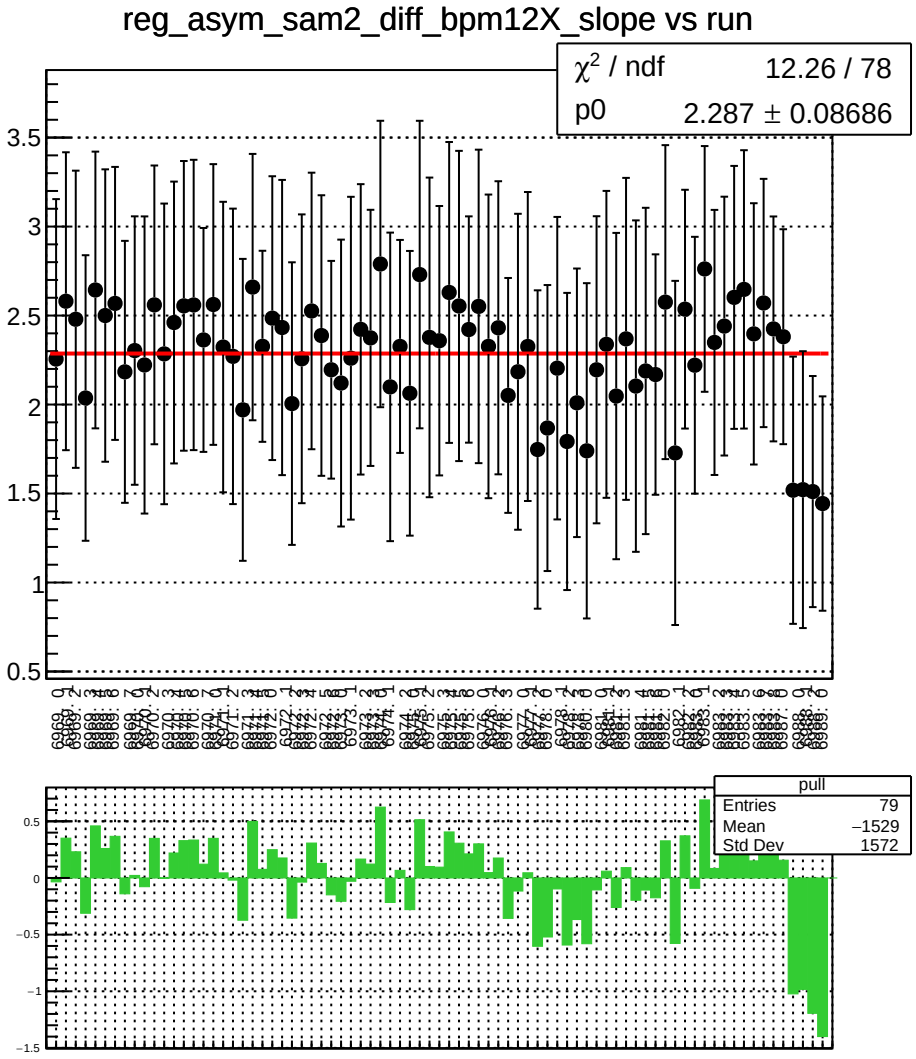

pull1D
Entries 79
Mean −0.02126
Std Dev 0.252

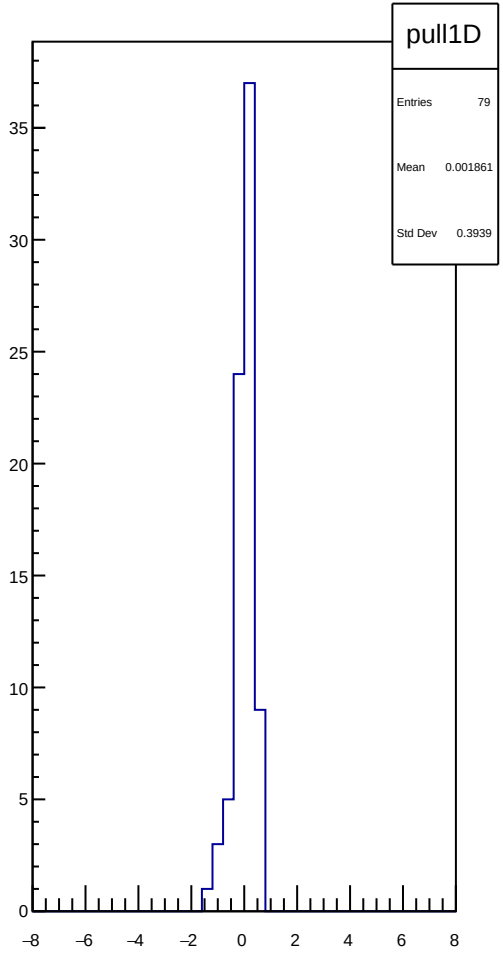

reg_asym_sam2_diff_bpm4eX_slope vs run
χ^2 / ndf 10.12 / 78
p0 −167.1 ± 2.573
pull
Entries 79
Mean 149.7
Std Dev 125.8

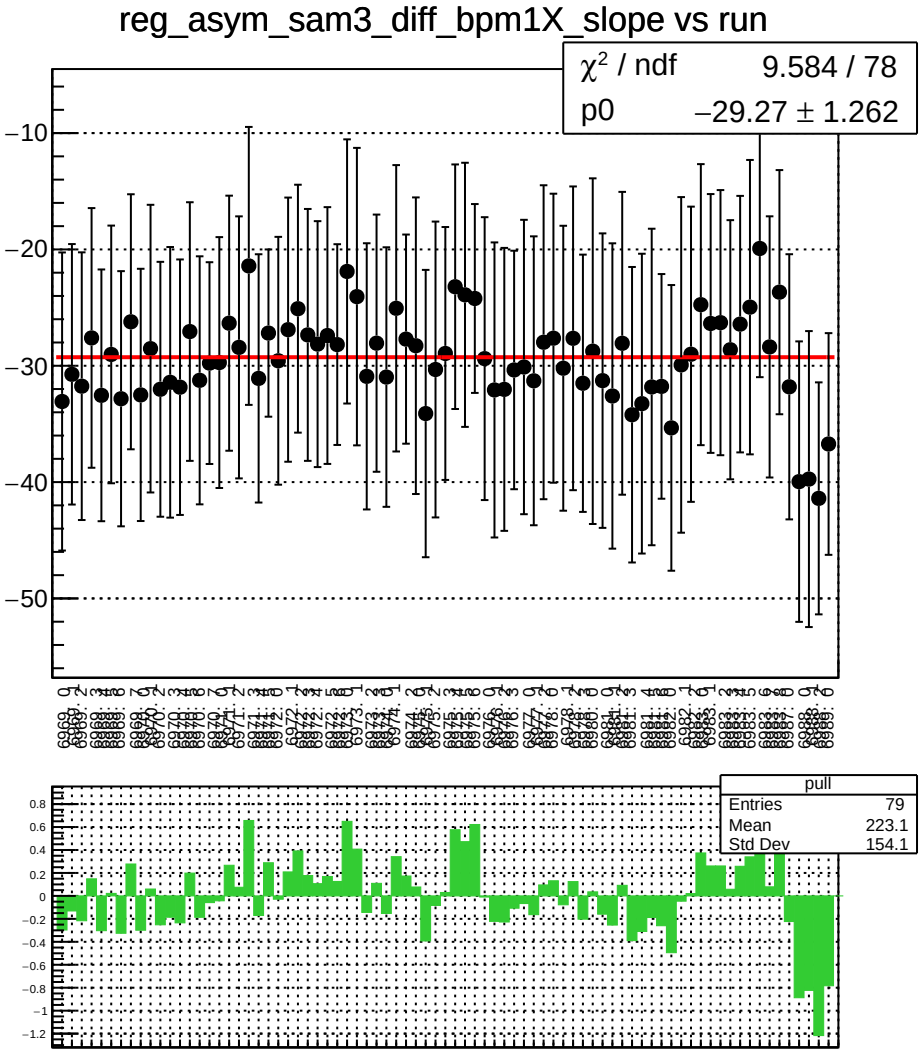

pull1D
Entries 79
Mean −0.009158
Std Dev 0.3578

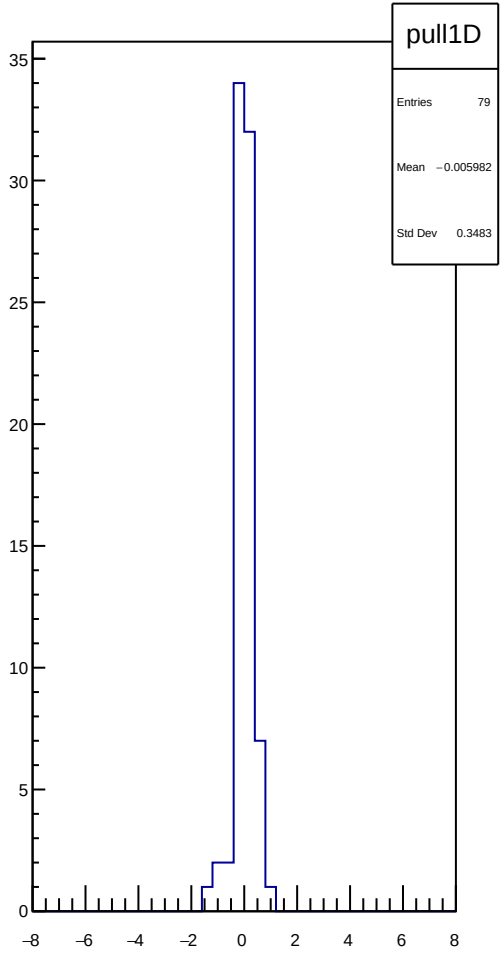

reg_asym_sam2_diff_bpm4eY_slope vs run
χ^2 / ndf 4.355 / 78
p0 −144.1 ± 2.269
pull
Entries 79
Mean −119.5
Std Dev 146.7

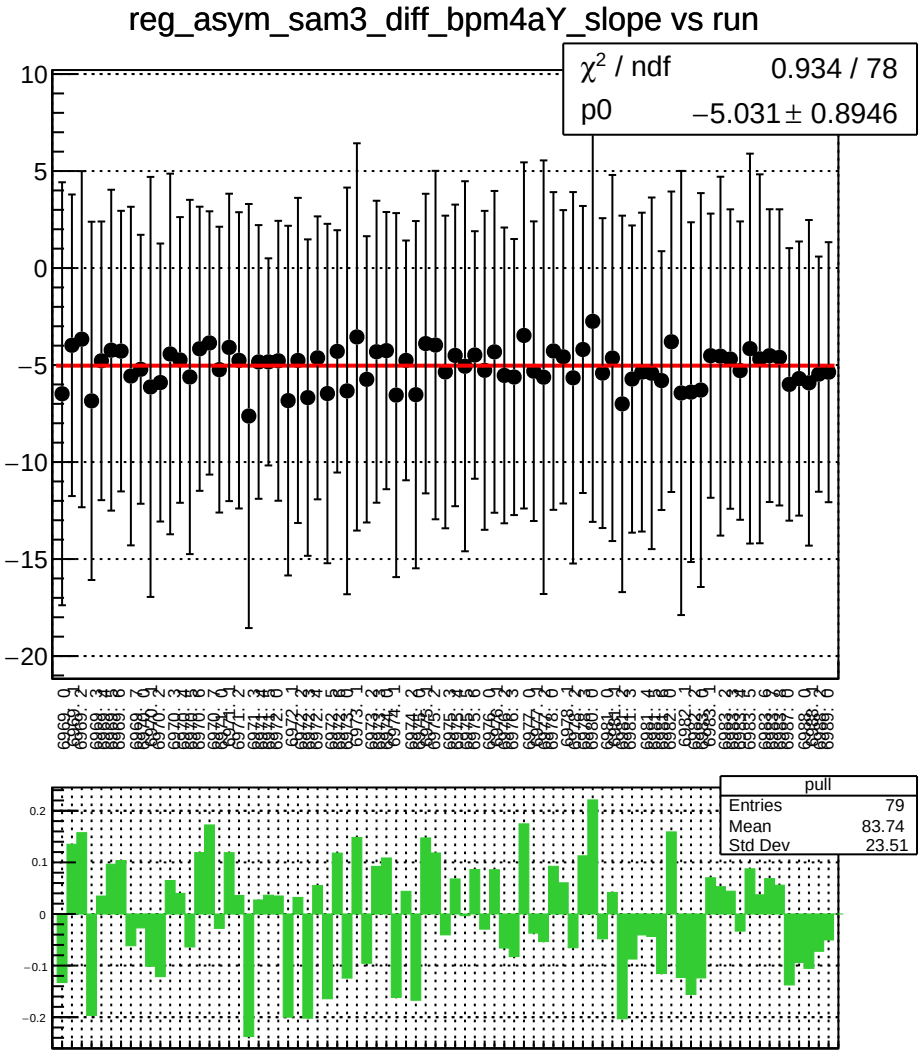

pull1D
Entries 79
Mean 0.007181
Std Dev 0.2347

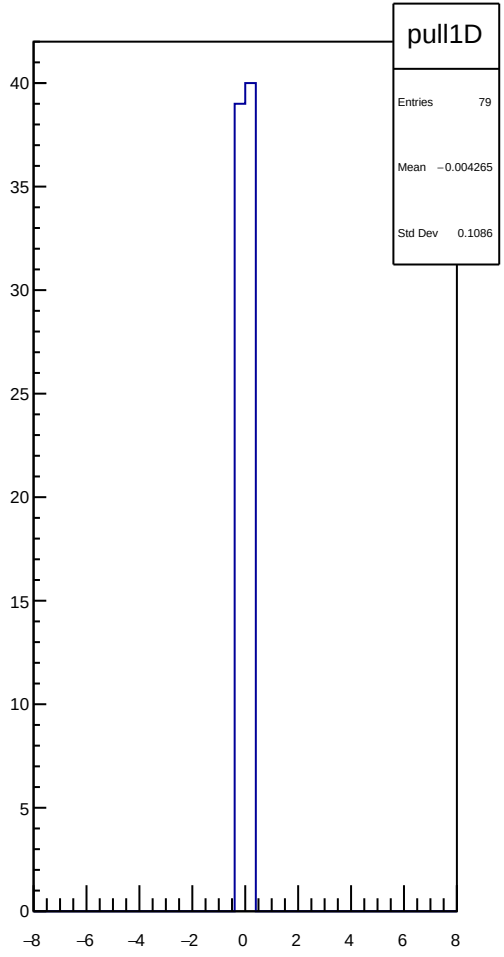

reg_asym_sam2_diff_bpm12X_slope vs run
χ^2 / ndf 12.26 / 78
p0 2.287 ± 0.08686
pull
Entries 79
Mean −1529
Std Dev 1572

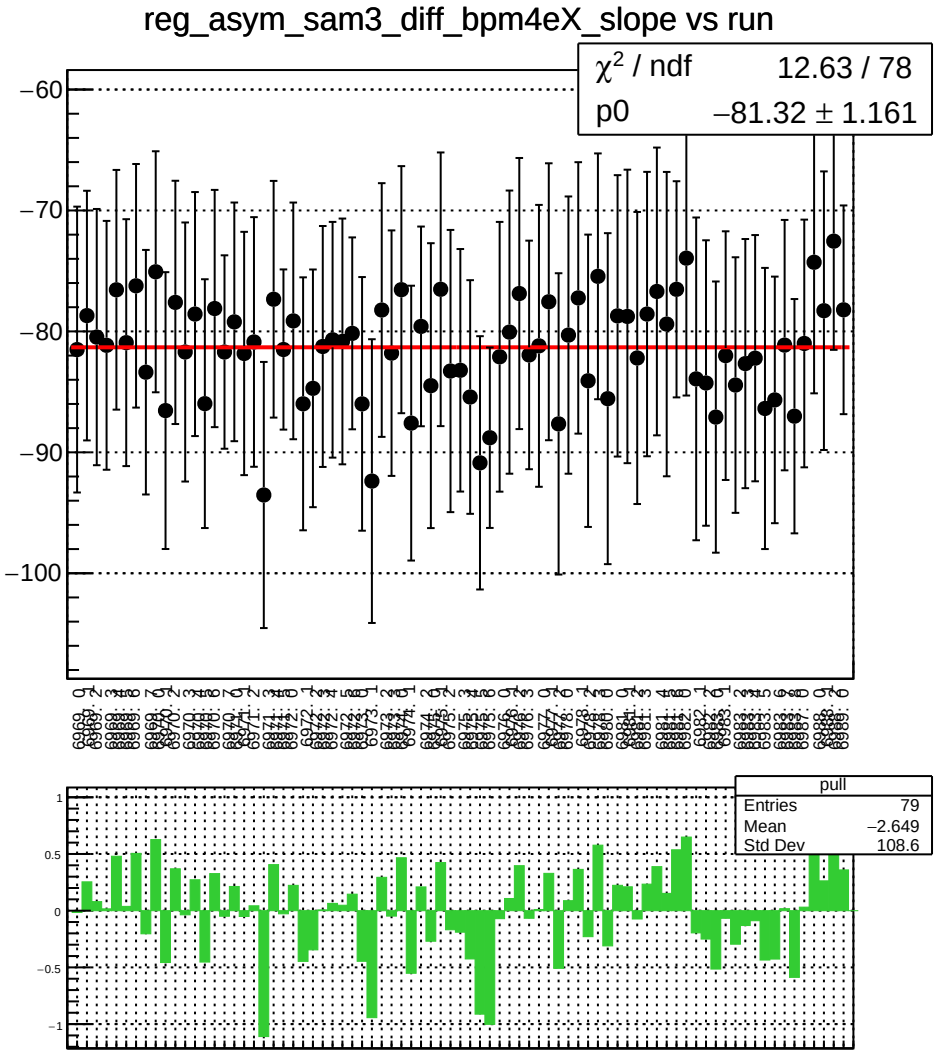

pull1D
Entries 79
Mean 0.001861
Std Dev 0.3939

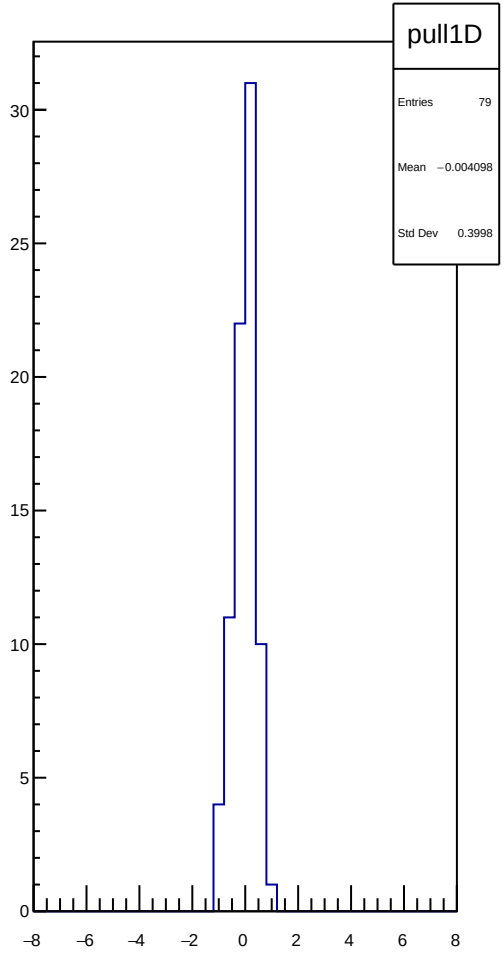

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 9.584 / 78
p0 −29.27 ± 1.262
pull
Entries 79
Mean 223.1
Std Dev 154.1

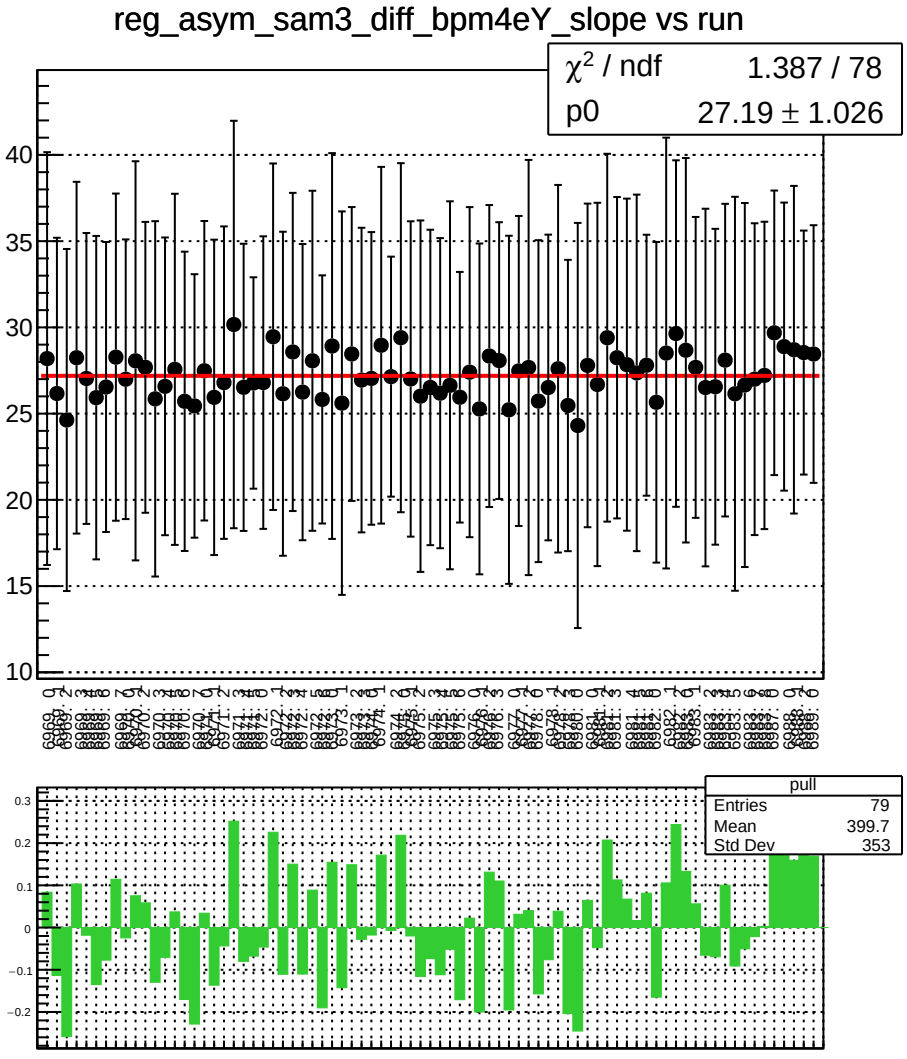

pull1D
Entries 79
Mean −0.005982
Std Dev 0.3483

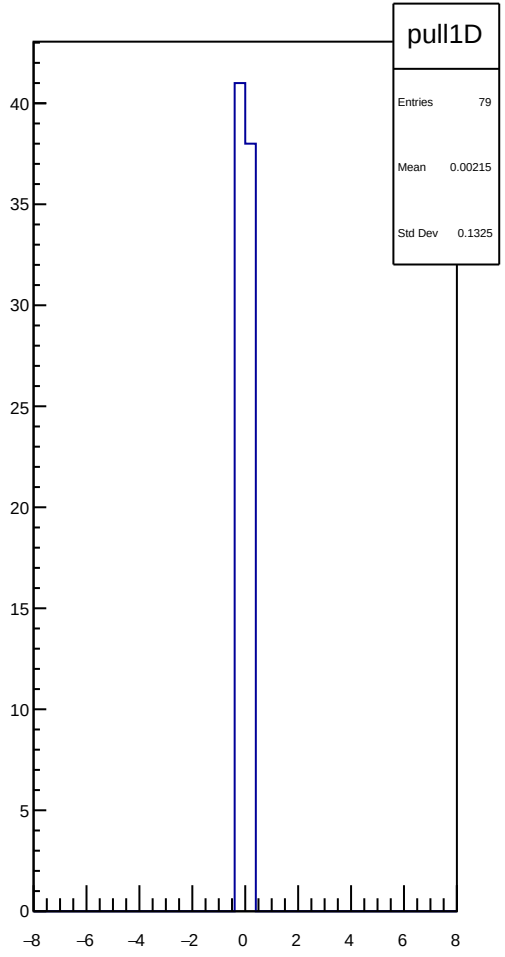

reg_asym_sam3_diff_bpm4aY_slope vs run
χ^2 / ndf 0.934 / 78
p0 −5.031 ± 0.8946
pull
Entries 79
Mean 83.74
Std Dev 23.51

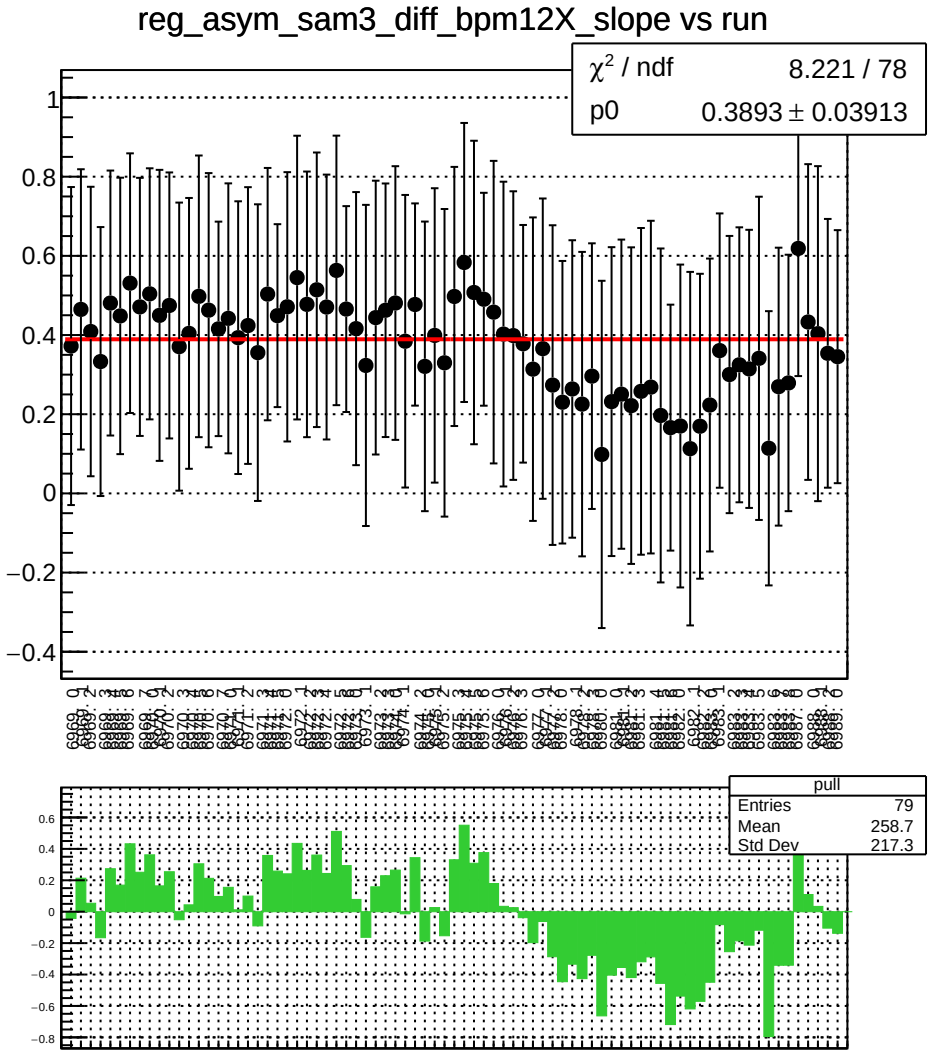

pull1D
Entries 79
Mean −0.004265
Std Dev 0.1086

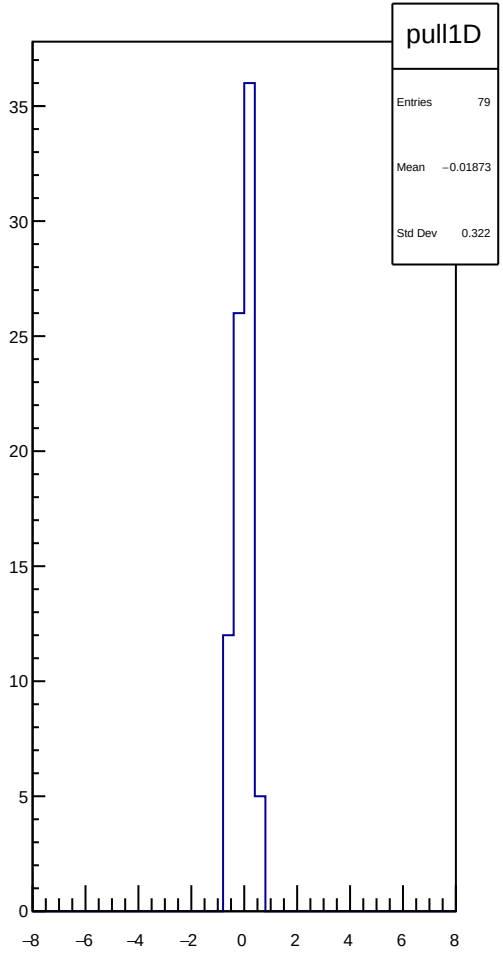

reg_asym_sam3_diff_bpm4eX_slope vs run
χ^2 / ndf 12.63 / 78
p0 −81.32 ± 1.161
pull
Entries 79
Mean −2.649
Std Dev 108.6

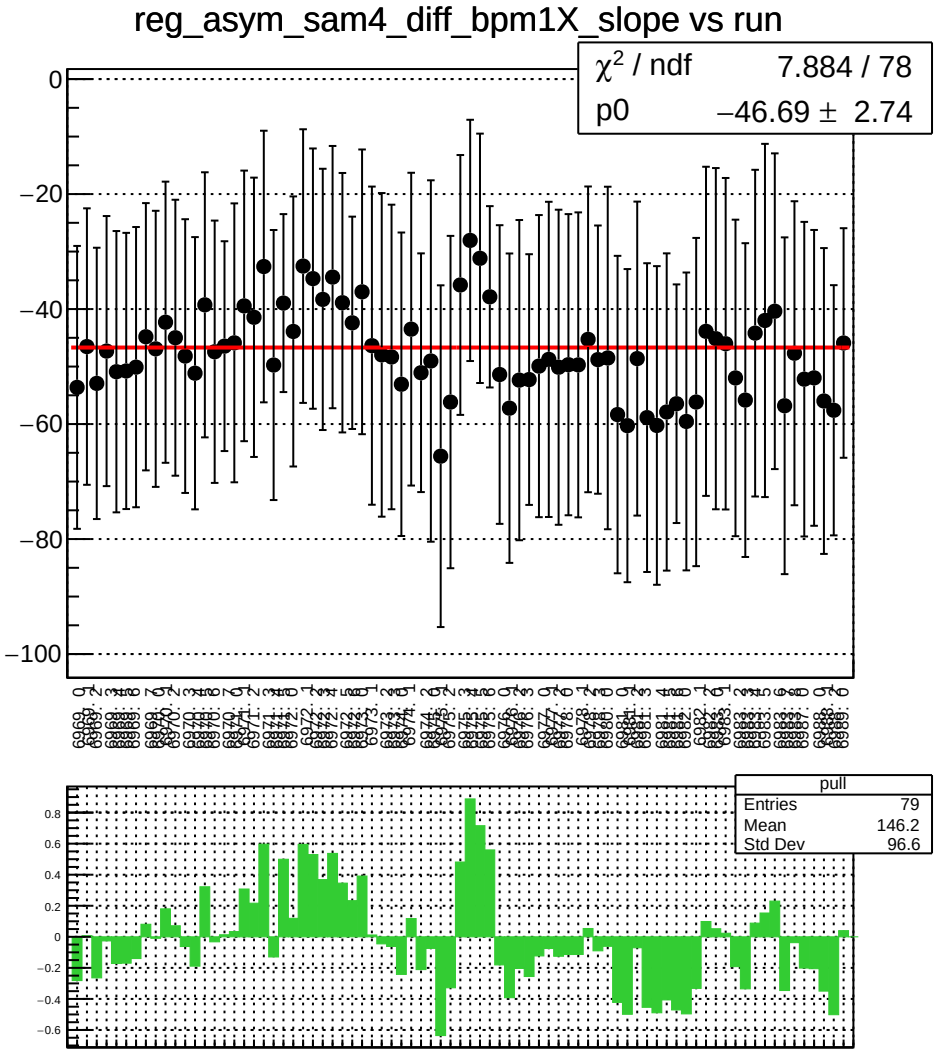

pull1D
Entries 79
Mean −0.004098
Std Dev 0.3998

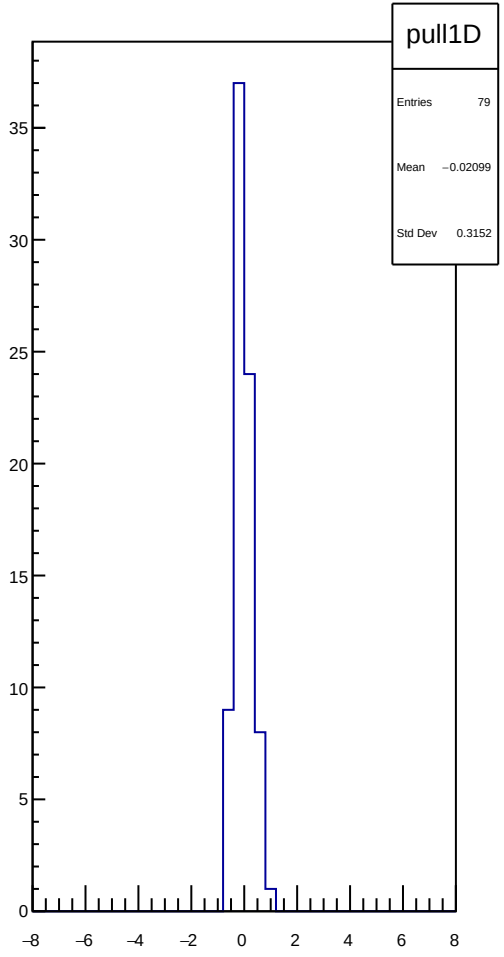

reg_asym_sam3_diff_bpm4eY_slope vs run
χ^2 / ndf 1.387 / 78
p0 27.19 ± 1.026
pull
Entries 79
Mean 399.7
Std Dev 353

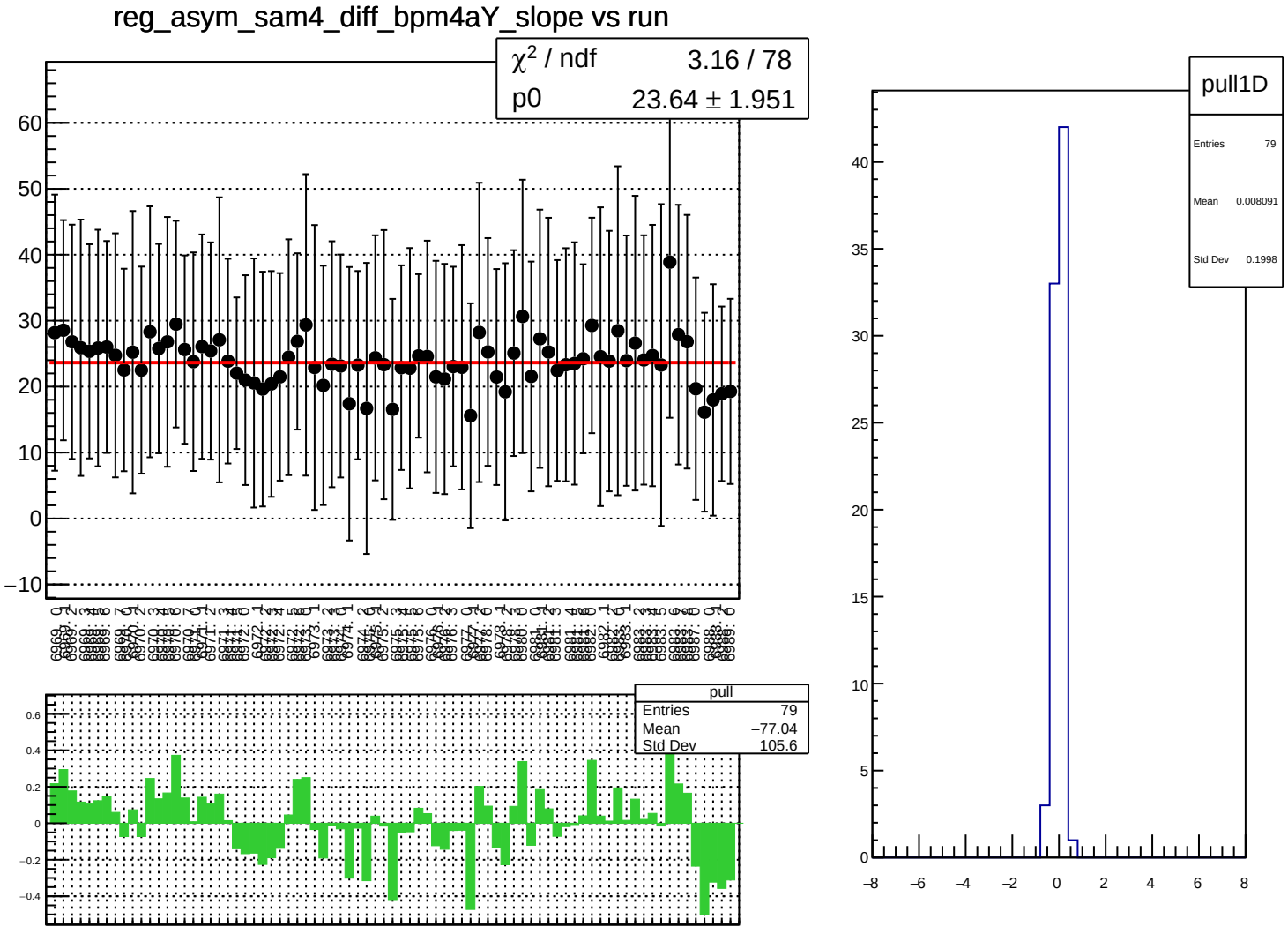

pull1D
Entries 79
Mean 0.00215
Std Dev 0.1325

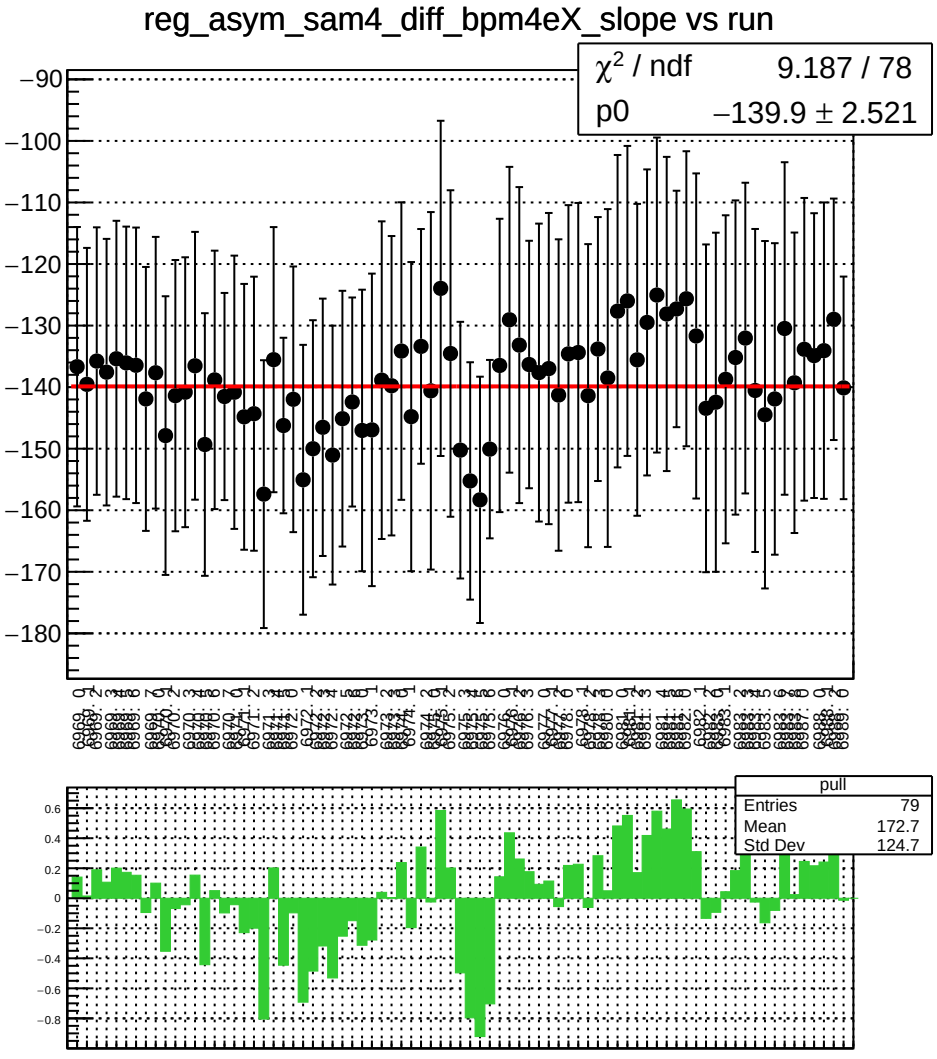

reg_asym_sam3_diff_bpm12X_slope vs run
χ^2 / ndf 8.221 / 78
p0 0.3893 ± 0.03913
pull
Entries 79
Mean 258.7
Std Dev 217.3

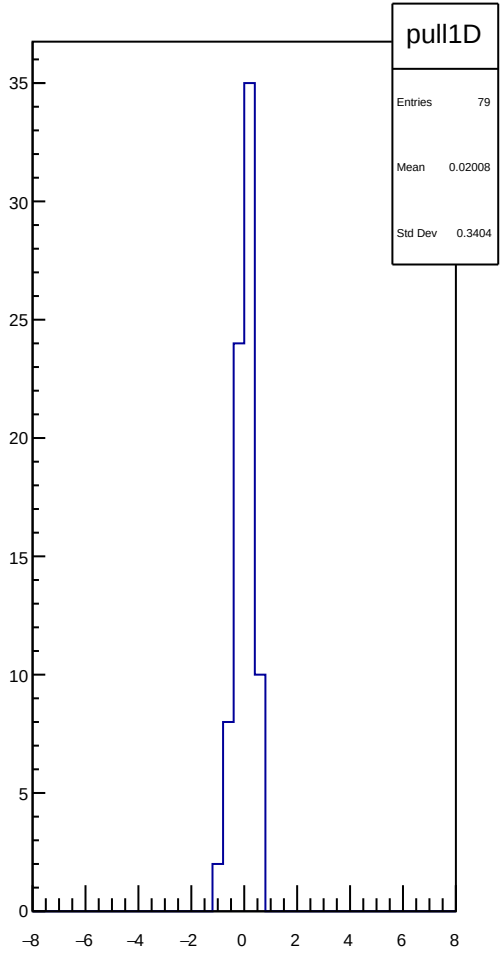

pull1D
Entries 79
Mean −0.01873
Std Dev 0.322

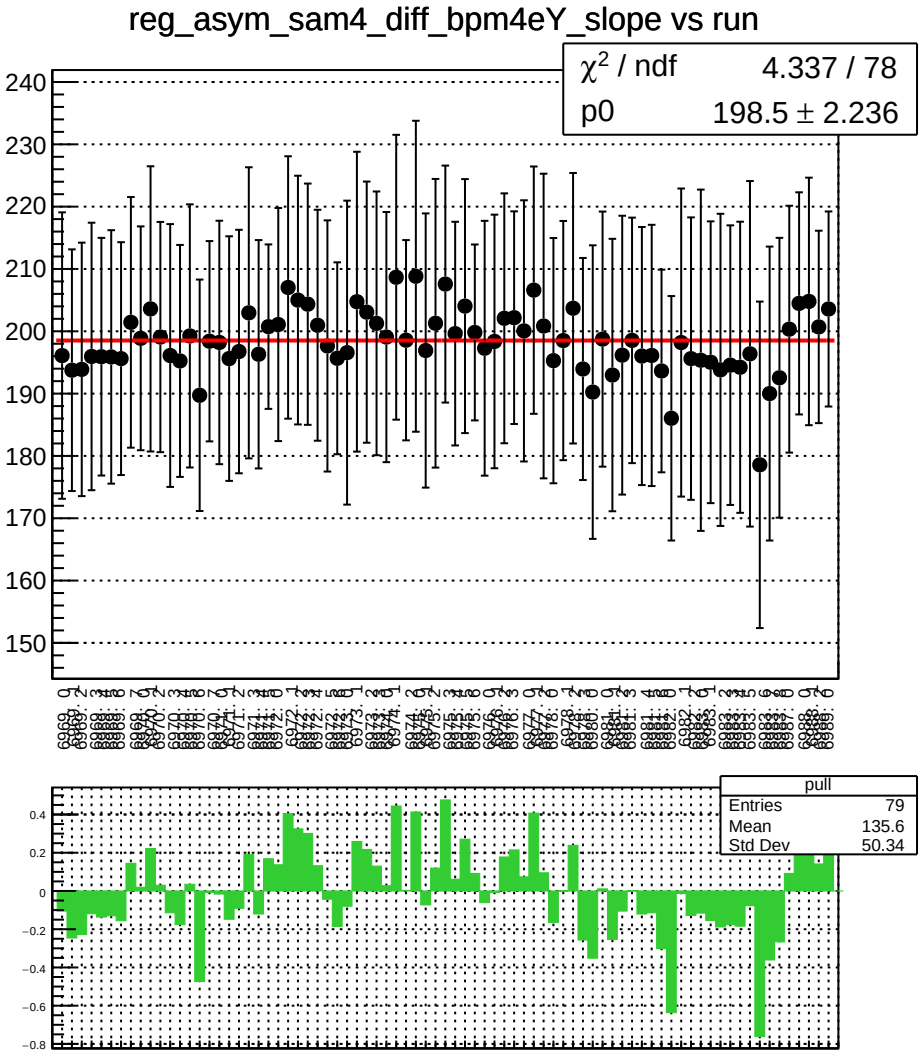

reg_asym_sam4_diff_bpm1X_slope vs run
χ^2 / ndf 7.884 / 78
p0 −46.69 ± 2.74
pull
Entries 79
Mean 146.2
Std Dev 96.6

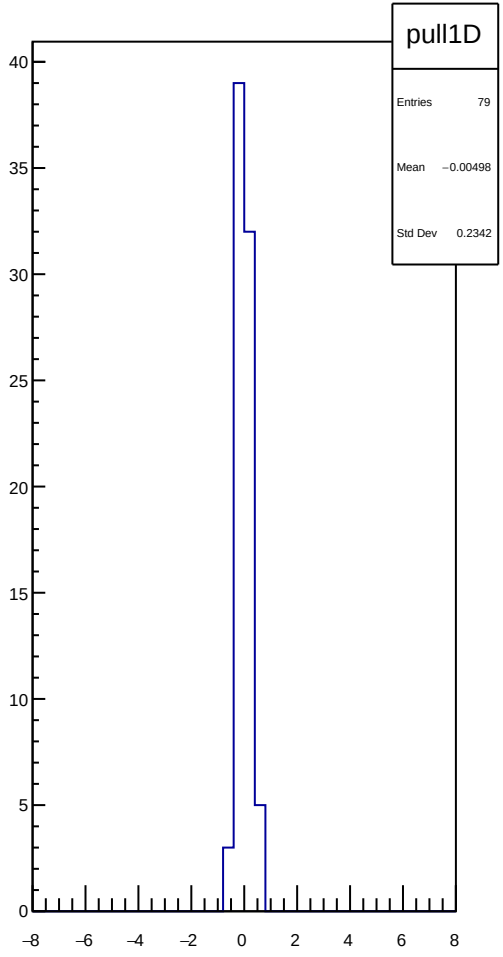

pull1D
Entries 79
Mean −0.02099
Std Dev 0.3152

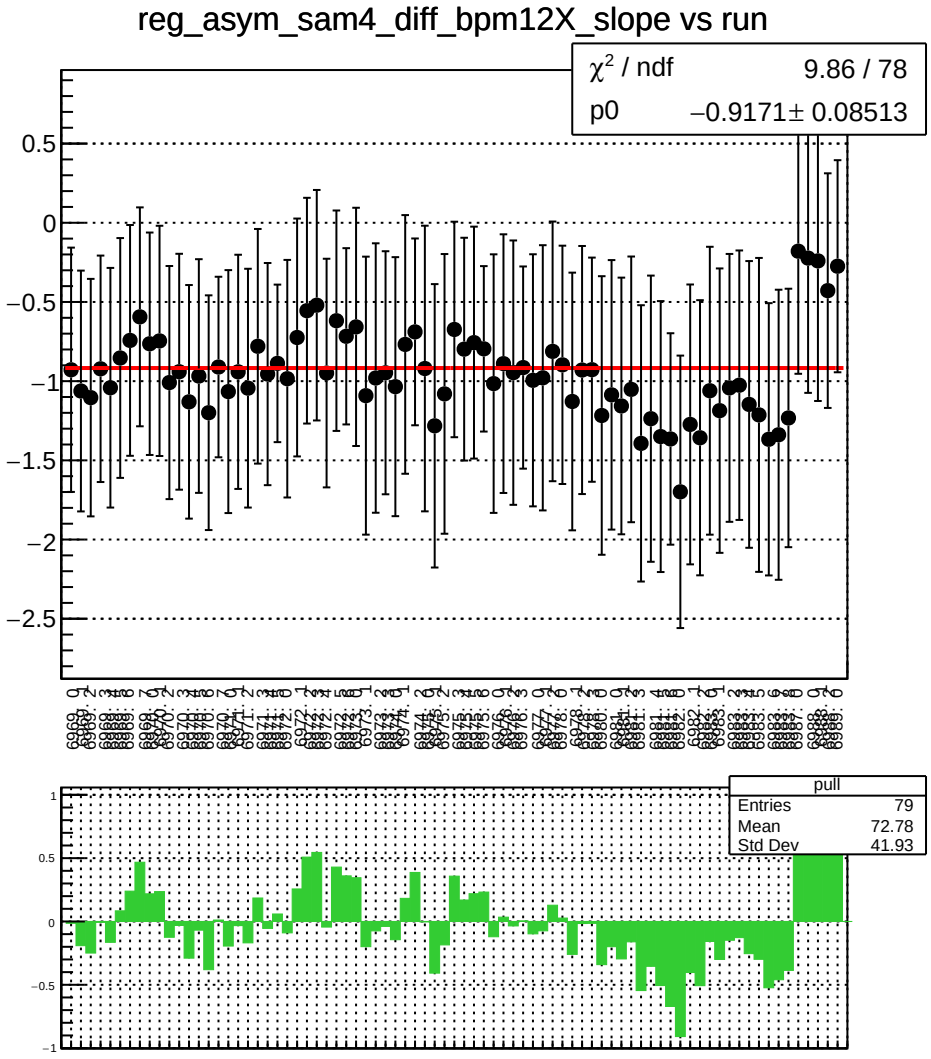

reg_asym_sam4_diff_bpm4aY_slope vs run
χ^2 / ndf 3.16 / 78
p0 23.64 ± 1.951
pull
Entries 79
Mean −77.04
Std Dev 105.6
pull1D
Entries 79
Mean 0.008091
Std Dev 0.1998

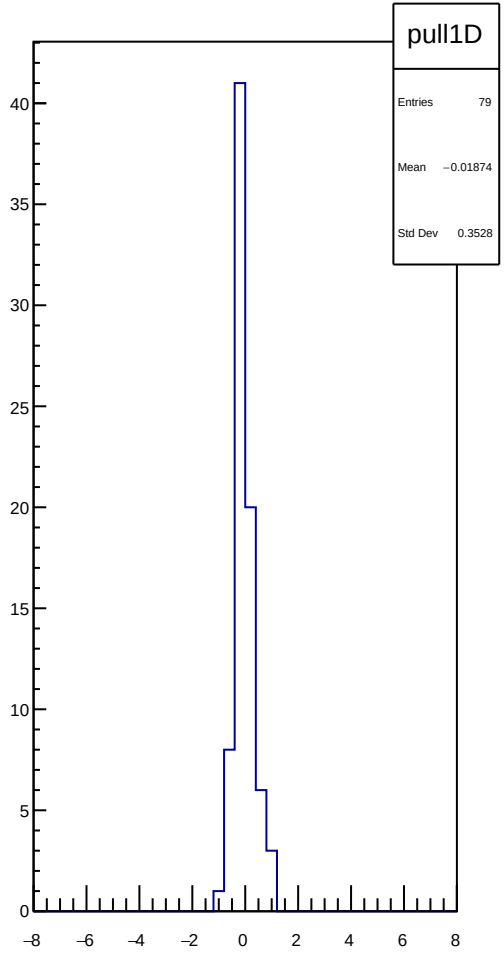

reg_asym_sam4_diff_bpm4eX_slope vs run
χ^2 / ndf 9.187 / 78
p0 −139.9 ± 2.521
pull
Entries 79
Mean 172.7
Std Dev 124.7

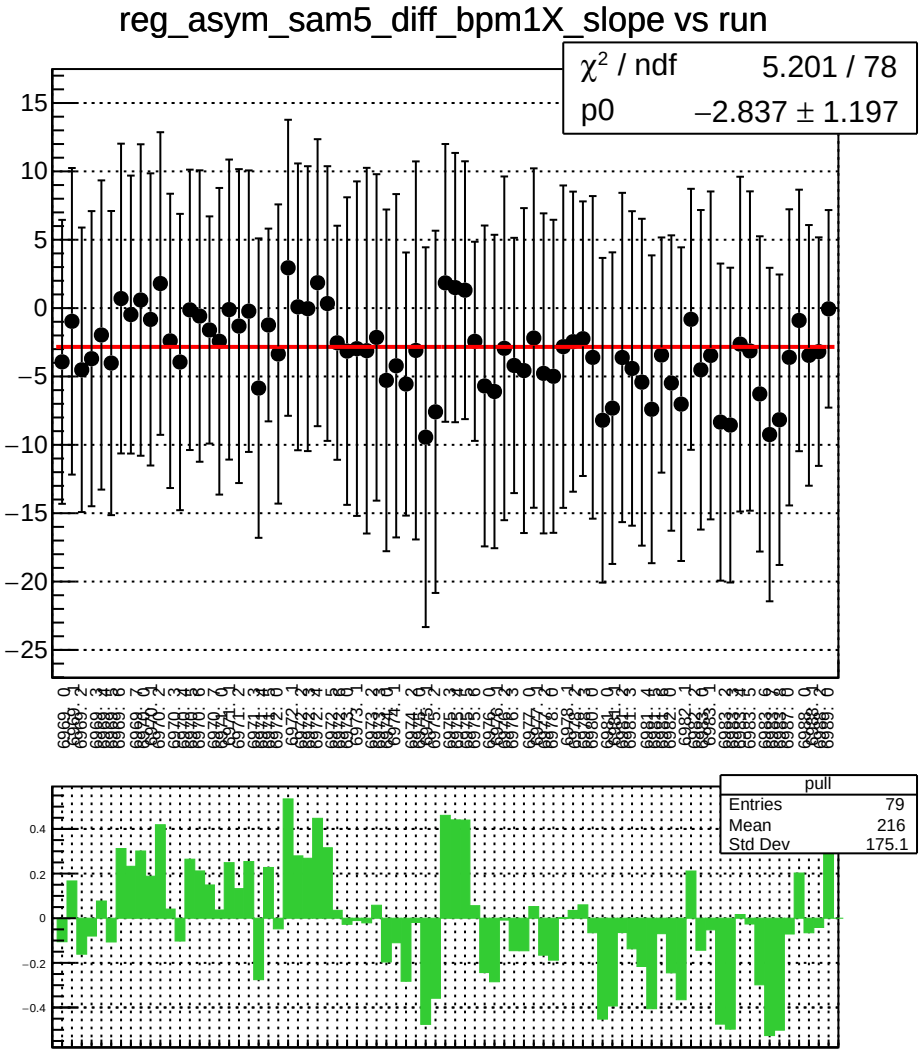

pull1D
Entries 79
Mean 0.02008
Std Dev 0.3404

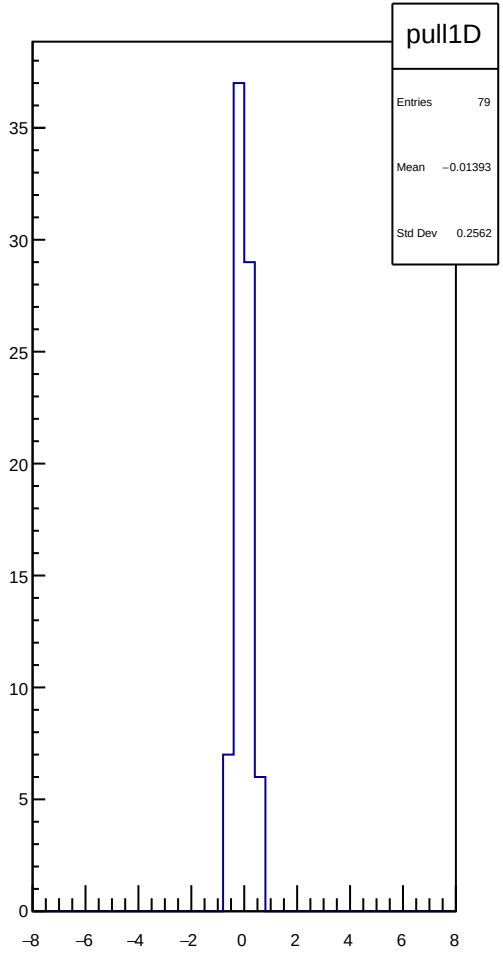

reg_asym_sam4_diff_bpm4eY_slope vs run
χ^2 / ndf 4.337 / 78
p0 198.5 ± 2.236
pull
Entries 79
Mean 135.6
Std Dev 50.34

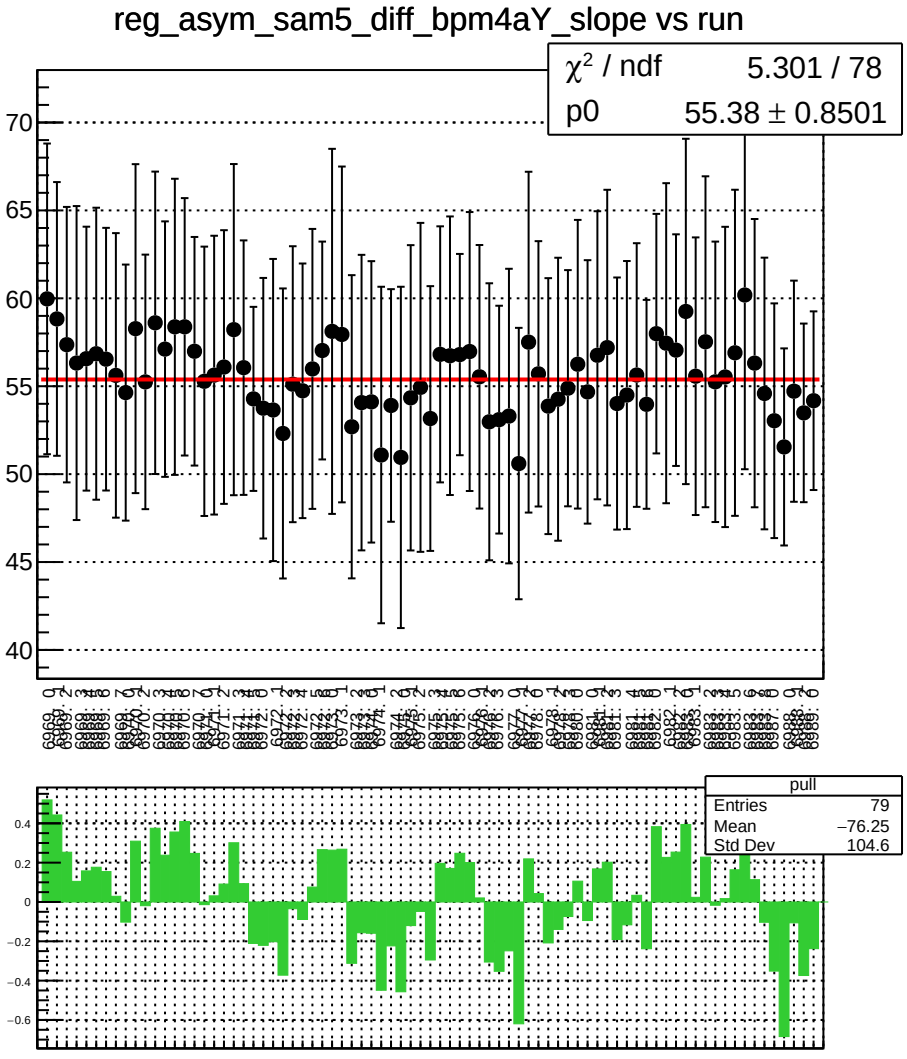

pull1D
Entries 79
Mean −0.00498
Std Dev 0.2342

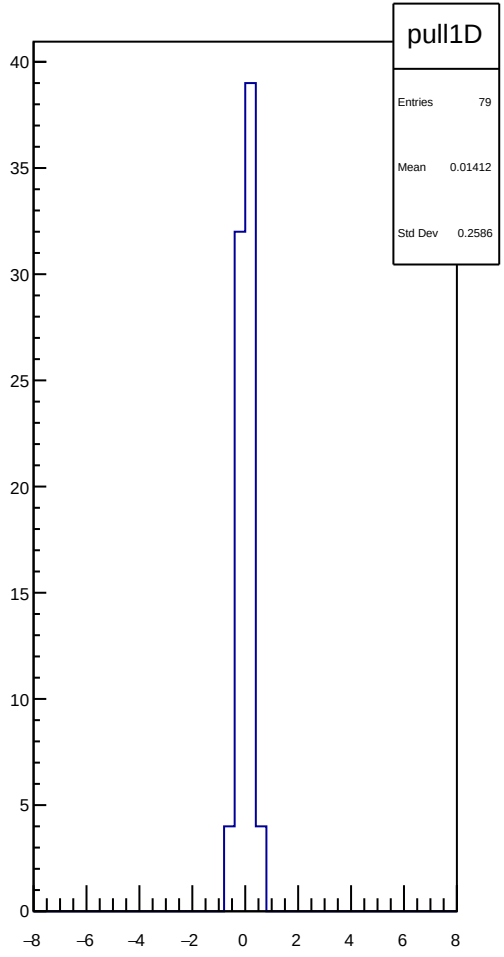

reg_asym_sam4_diff_bpm12X_slope vs run
χ^2 / ndf 9.86 / 78
p0 −0.9171± 0.08513
pull
Entries 79
Mean 72.78
Std Dev 41.93

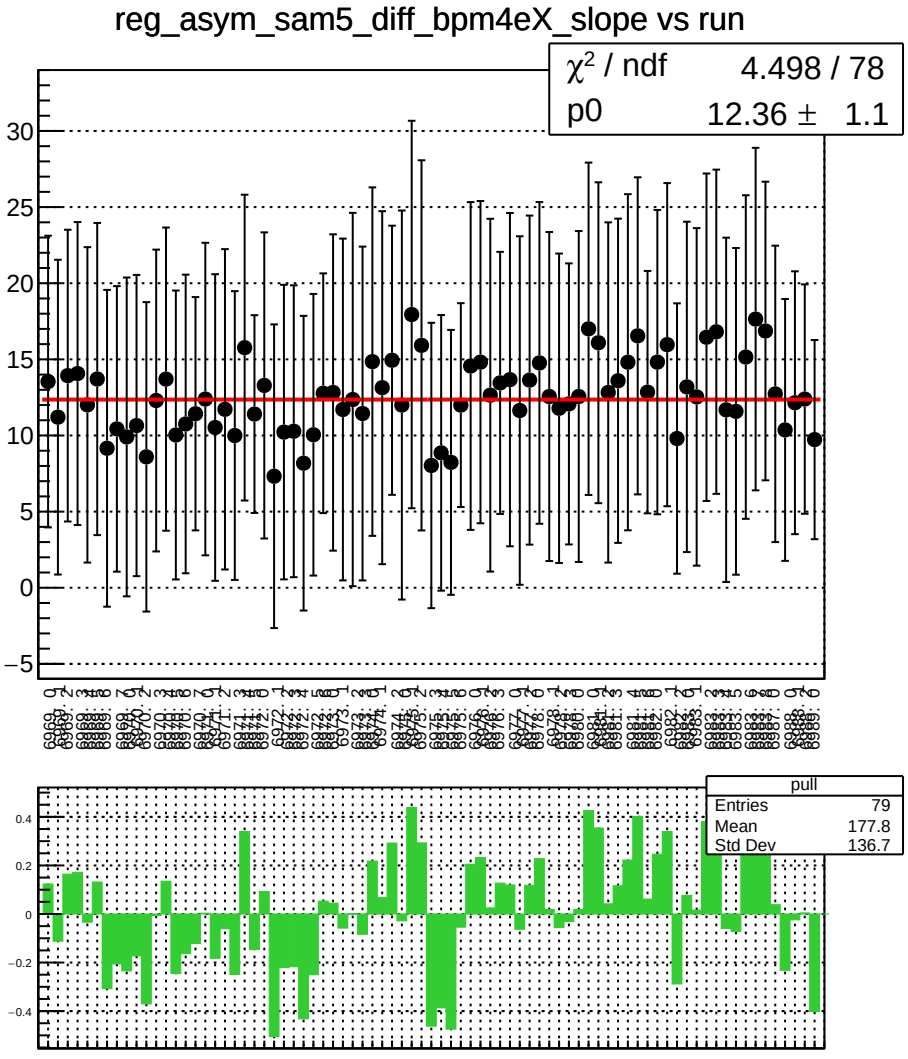

pull1D
Entries 79
Mean −0.01874
Std Dev 0.3528

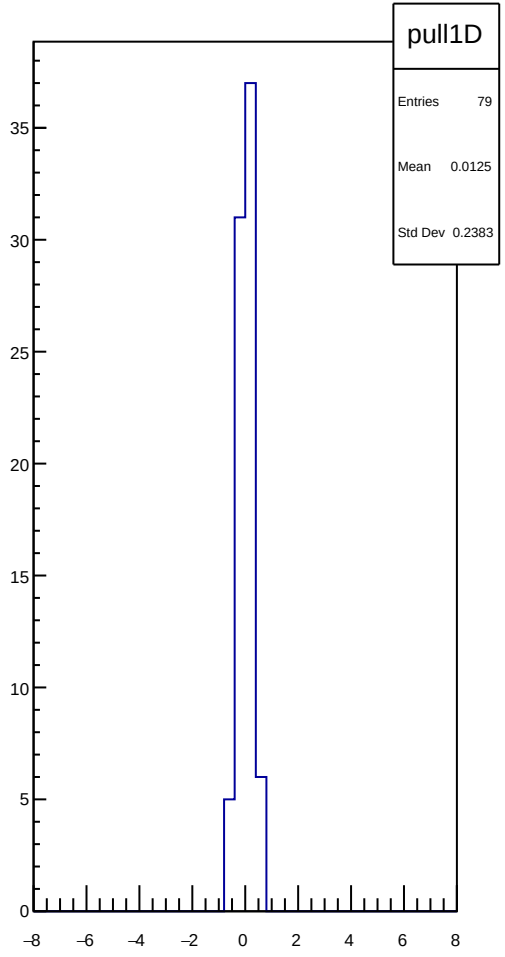

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 5.201 / 78
p0 −2.837 ± 1.197
pull
Entries 79
Mean 216
Std Dev 175.1

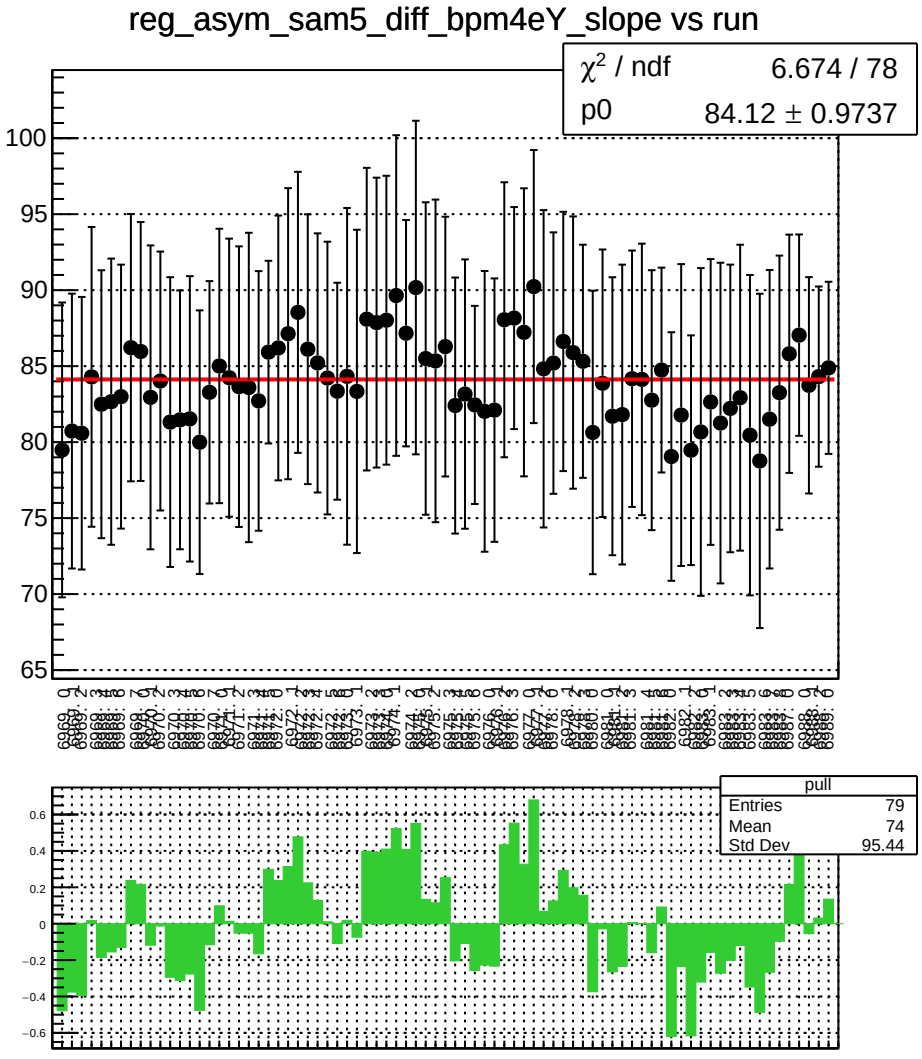

pull1D
Entries 79
Mean −0.01393
Std Dev 0.2562

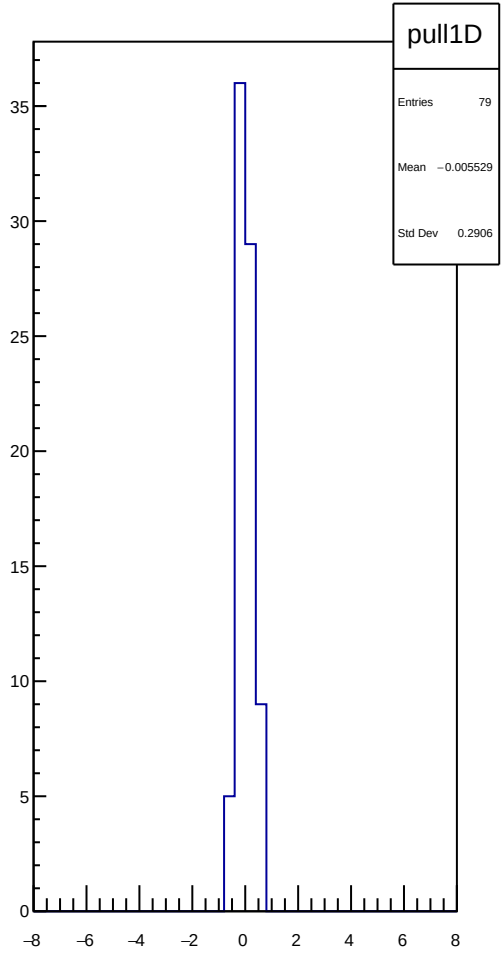

reg_asym_sam5_diff_bpm4aY_slope vs run
χ^2 / ndf 5.301 / 78
p0 55.38 ± 0.8501
pull
Entries 79
Mean −76.25
Std Dev 104.6

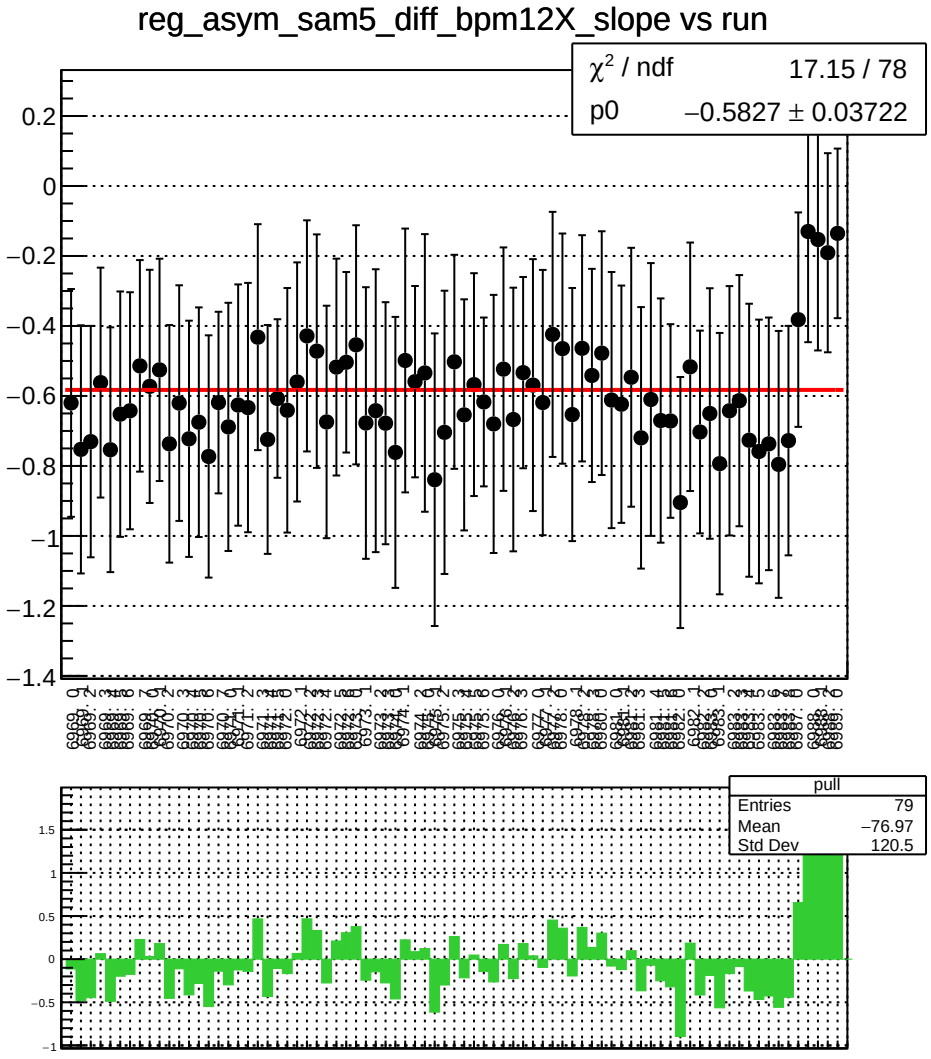

pull1D
Entries 79
Mean 0.01412
Std Dev 0.2586

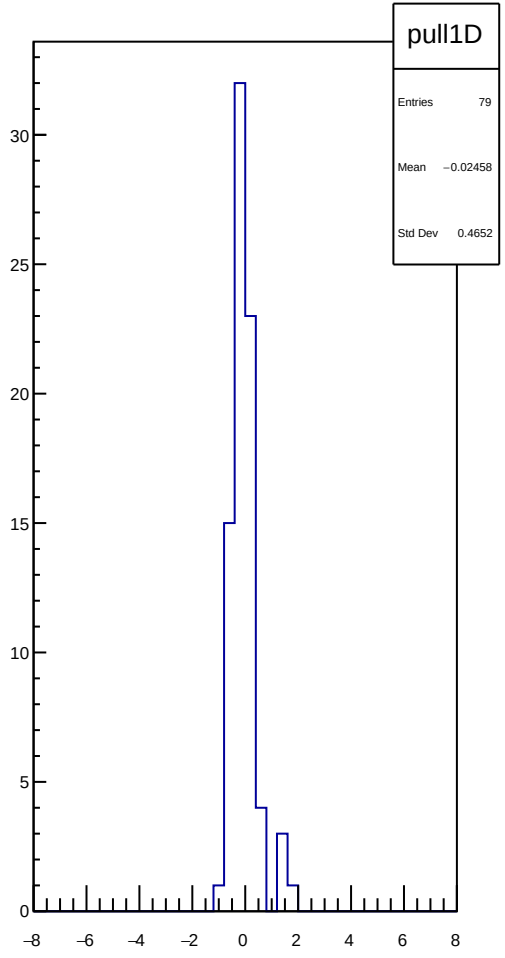

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 4.498 / 78
p0 12.36 ± 1.1
pull
Entries 79
Mean 177.8
Std Dev 136.7

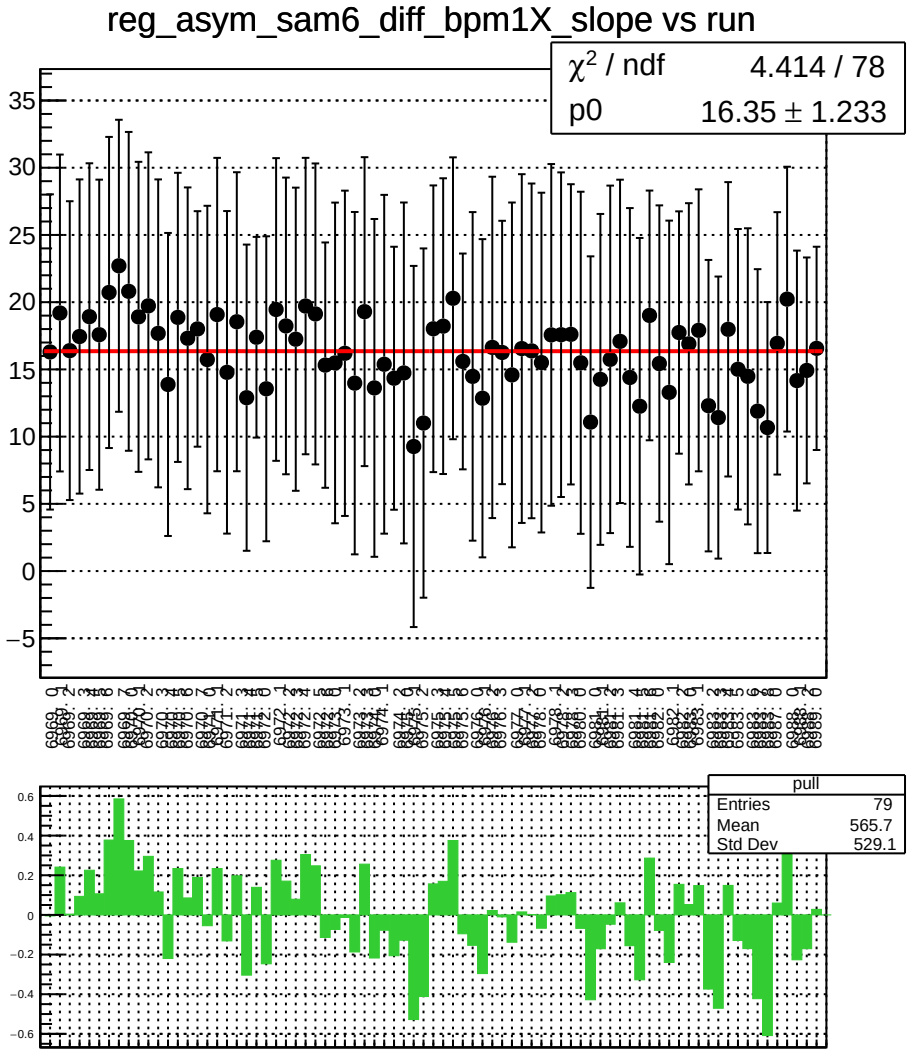

pull1D
Entries 79
Mean 0.0125
Std Dev 0.2383

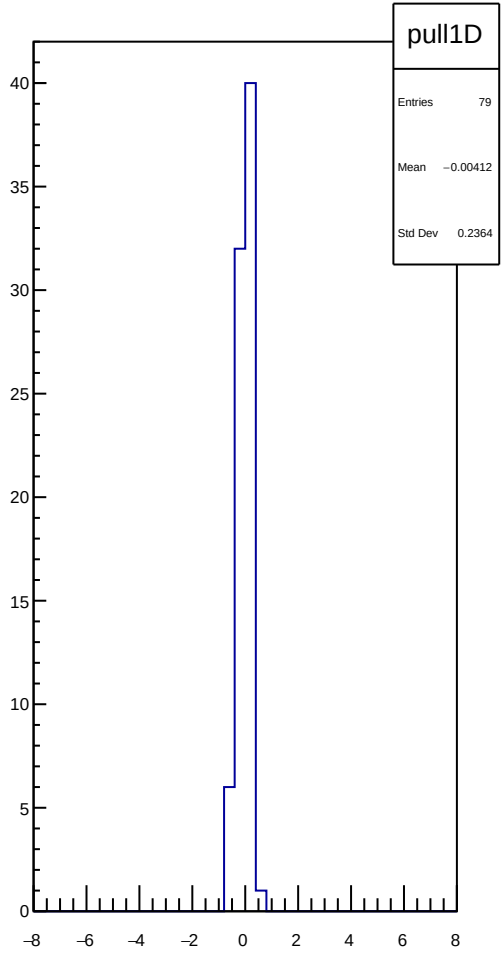

reg_asym_sam5_diff_bpm4eY_slope vs run
χ^2 / ndf 6.674 / 78
p0 84.12 ± 0.9737
pull
Entries 79
Mean 74
Std Dev 95.44

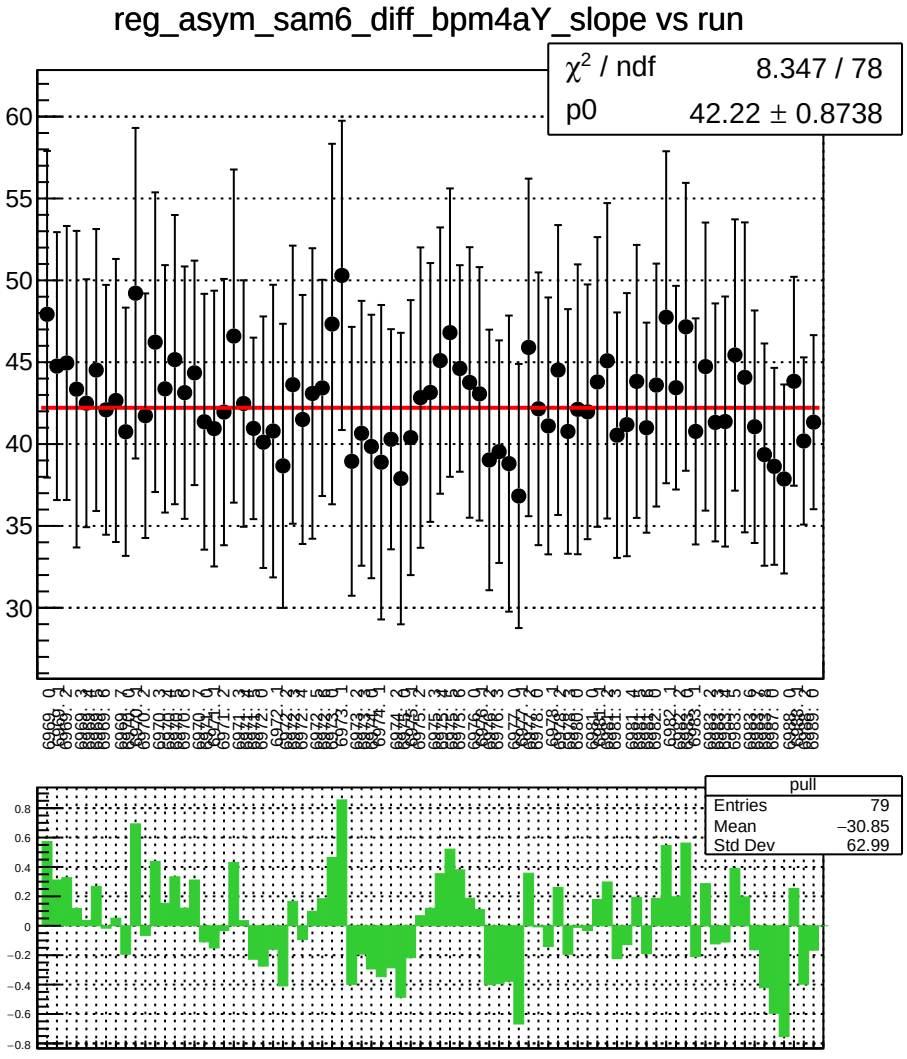

pull1D
Entries 79
Mean −0.005529
Std Dev 0.2906

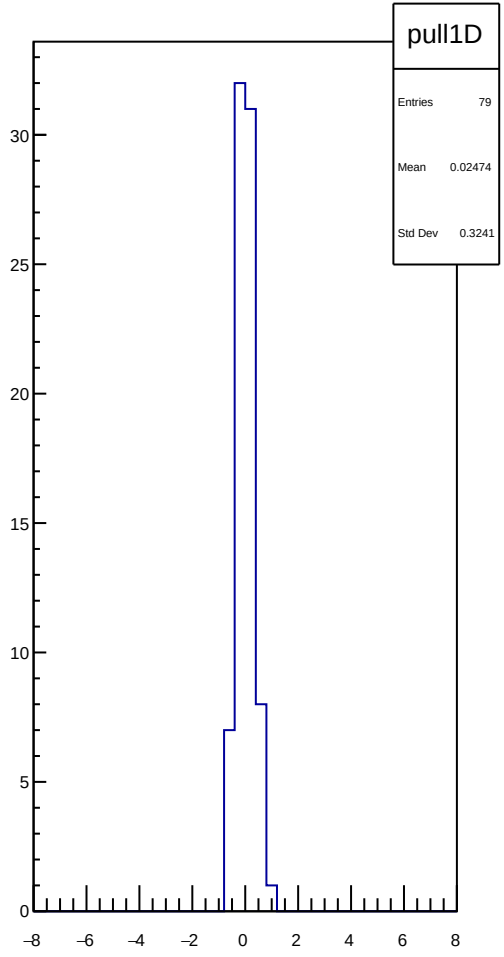

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 17.15 / 78
p0 −0.5827 ± 0.03722
pull
Entries 79
Mean −76.97
Std Dev 120.5

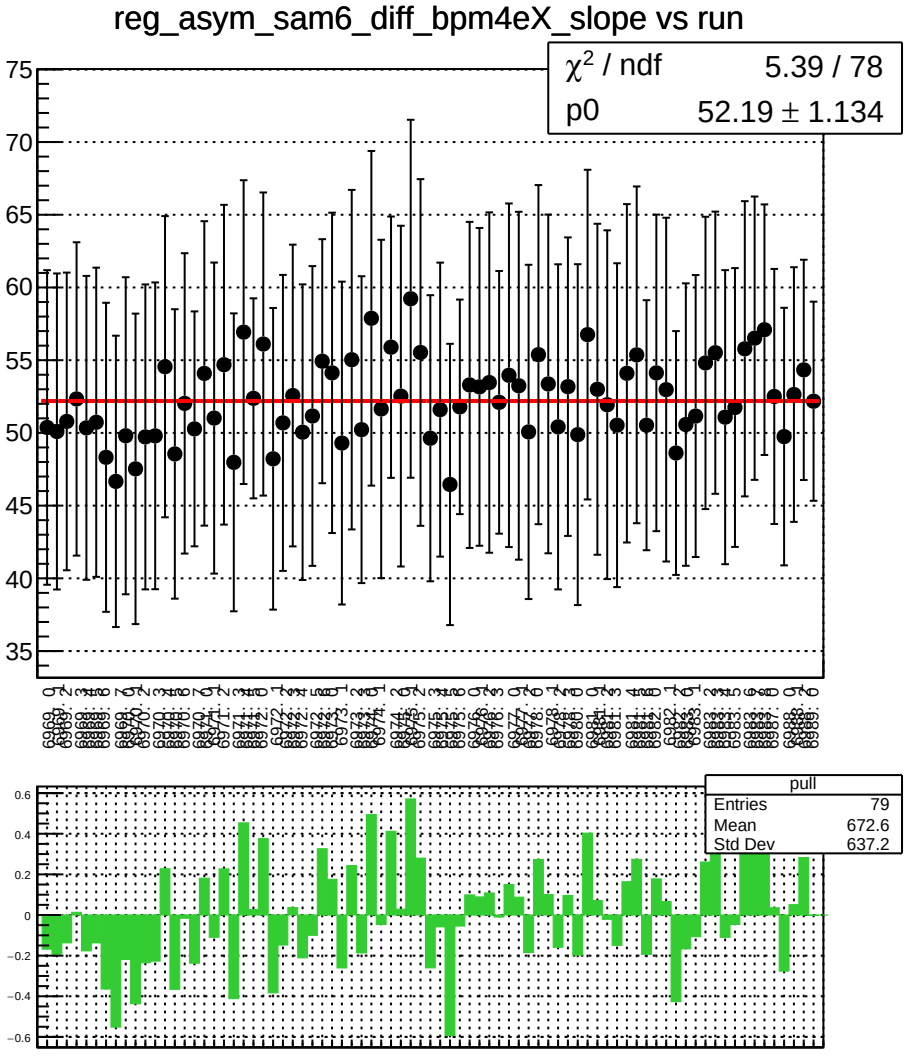

pull1D
Entries 79
Mean −0.02458
Std Dev 0.4652

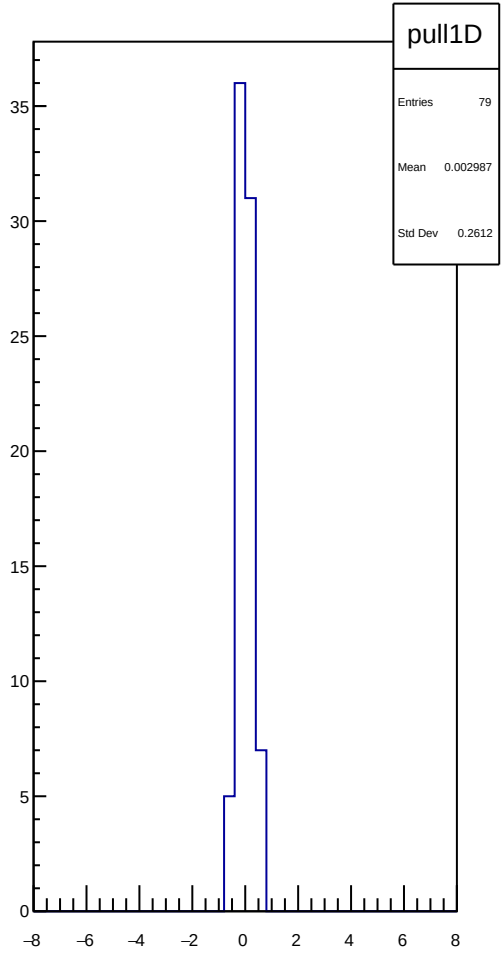

reg_asym_sam6_diff_bpm1X_slope vs run
χ^2 / ndf 4.414 / 78
p0 16.35 ± 1.233
pull
Entries 79
Mean 565.7
Std Dev 529.1

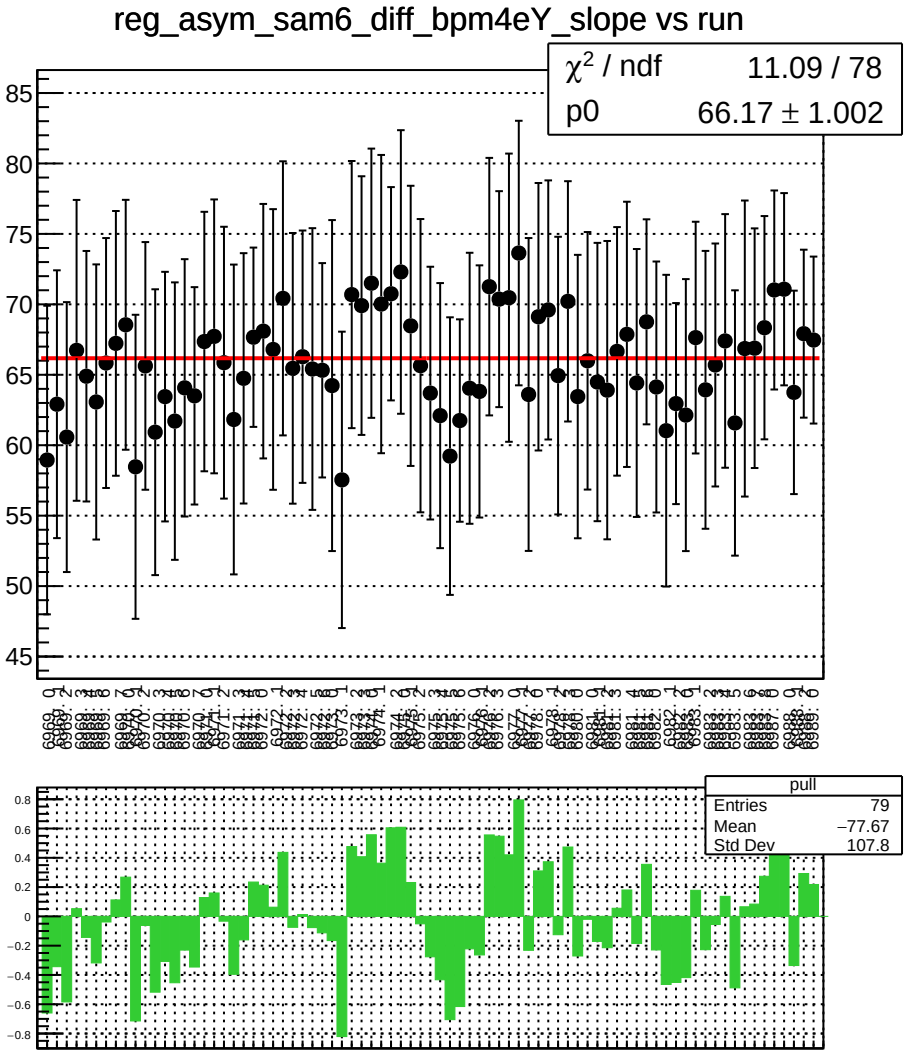

pull1D
Entries 79
Mean −0.00412
Std Dev 0.2364

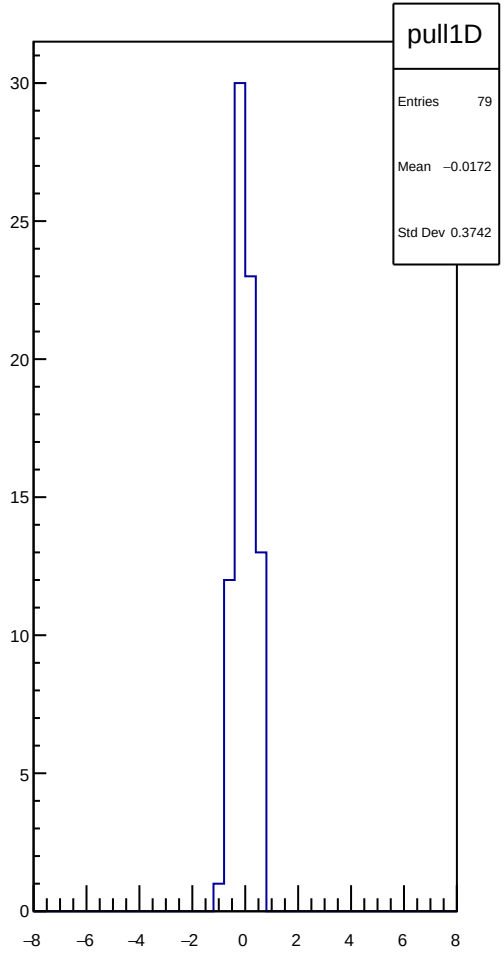

reg_asym_sam6_diff_bpm4aY_slope vs run
χ^2 / ndf 8.347 / 78
p0 42.22 ± 0.8738
pull
Entries 79
Mean −30.85
Std Dev 62.99

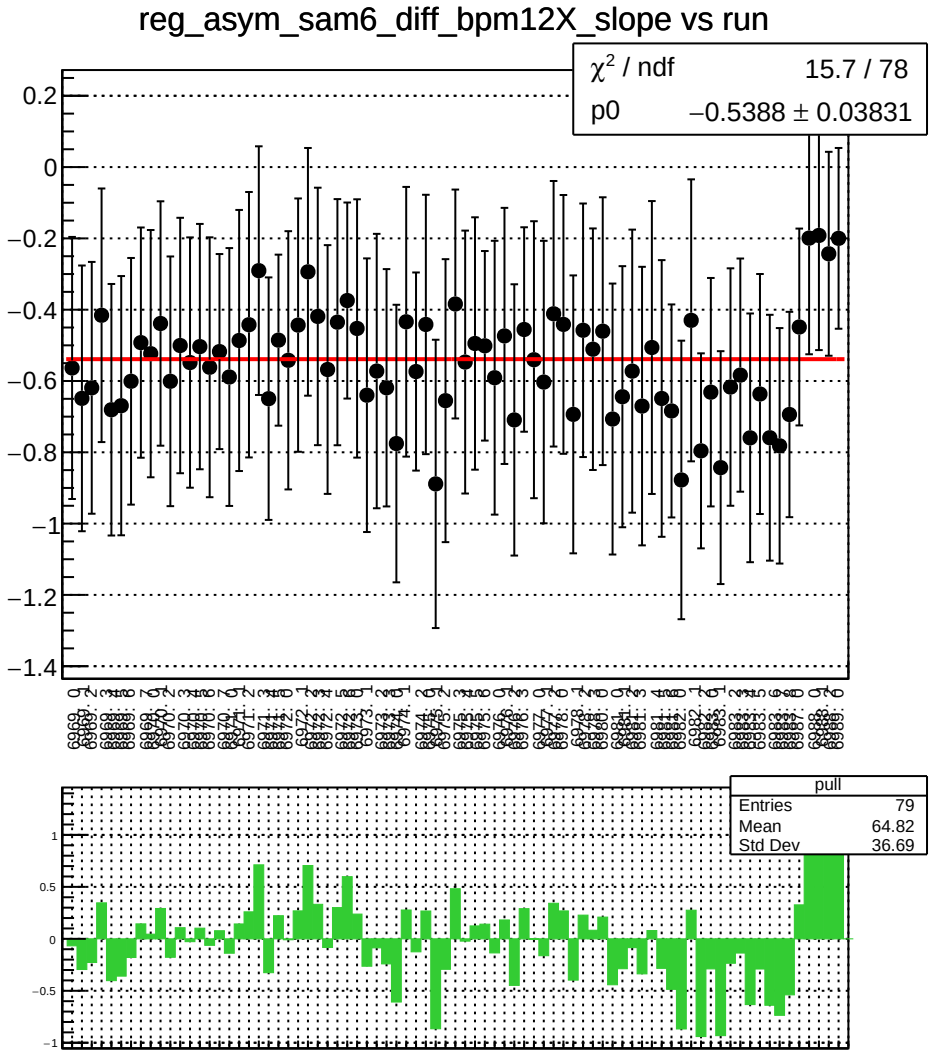

pull1D
Entries 79
Mean 0.02474
Std Dev 0.3241

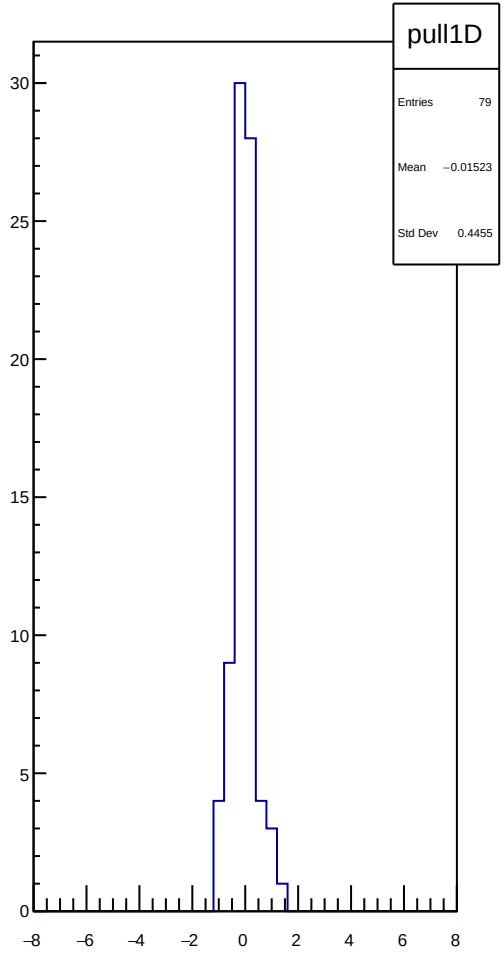

reg_asym_sam6_diff_bpm4eX_slope vs run
χ^2 / ndf 5.39 / 78
p0 52.19 ± 1.134
pull
Entries 79
Mean 672.6
Std Dev 637.2

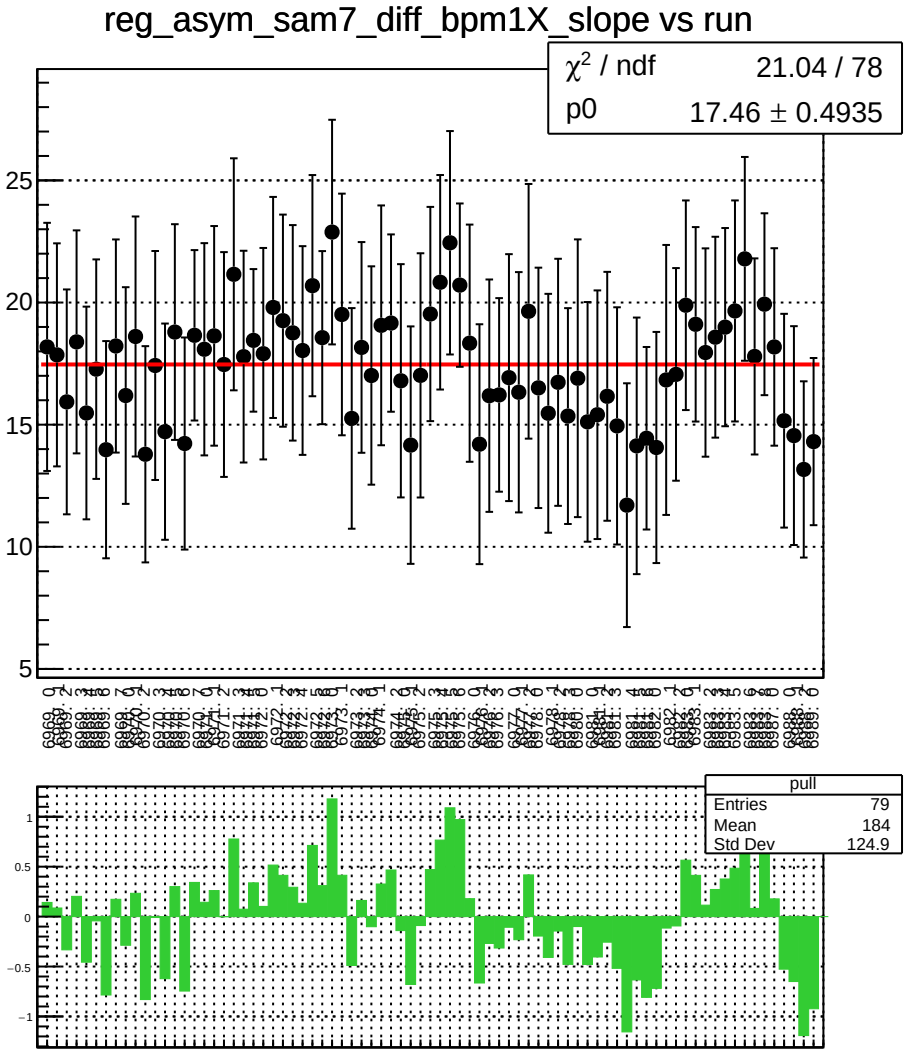

pull1D
Entries 79
Mean 0.002987
Std Dev 0.2612

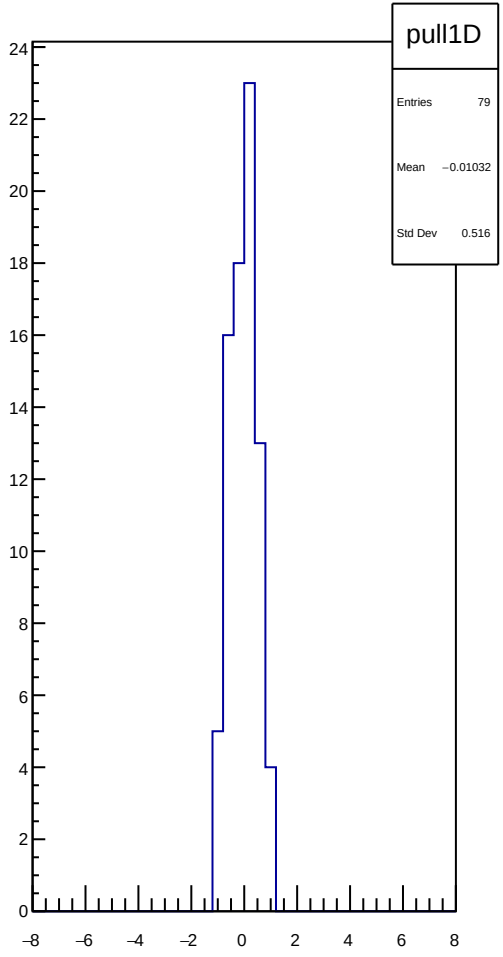

reg_asym_sam6_diff_bpm4eY_slope vs run
χ^2 / ndf 11.09 / 78
p0 66.17 ± 1.002
pull
Entries 79
Mean −77.67
Std Dev 107.8

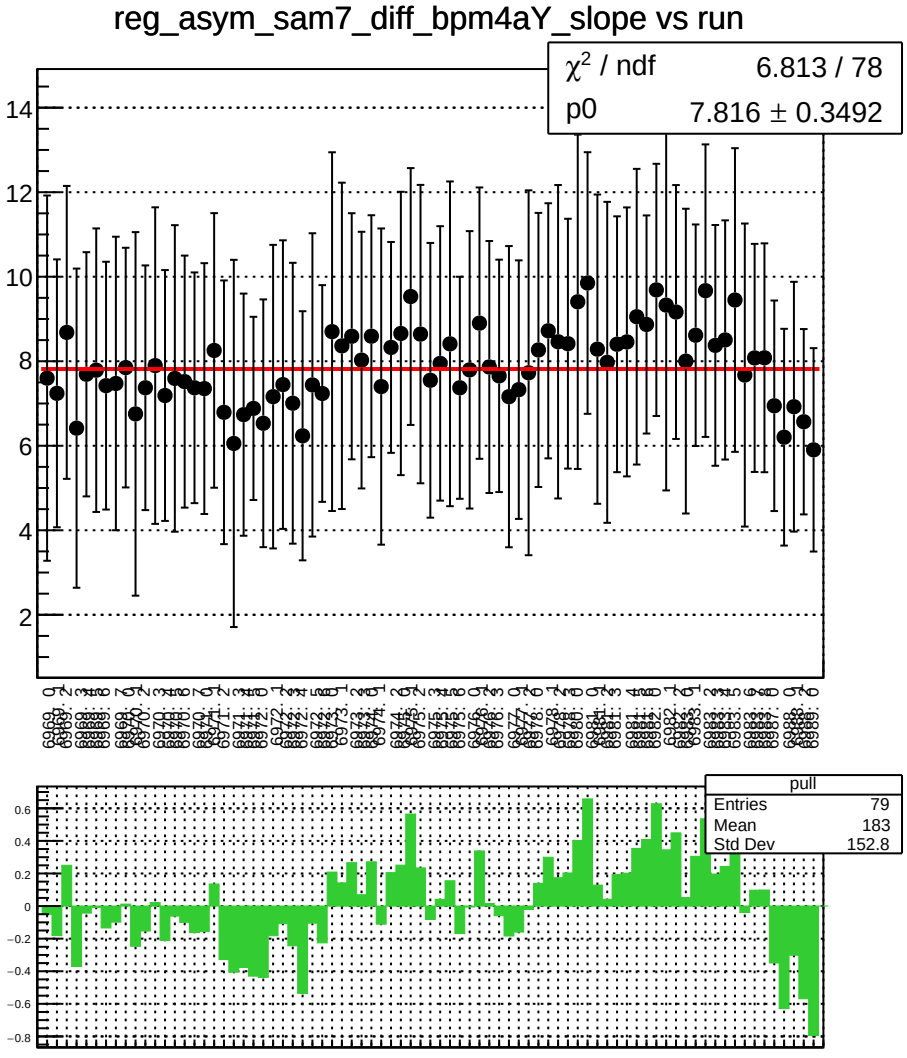

pull1D
Entries 79
Mean −0.0172
Std Dev 0.3742

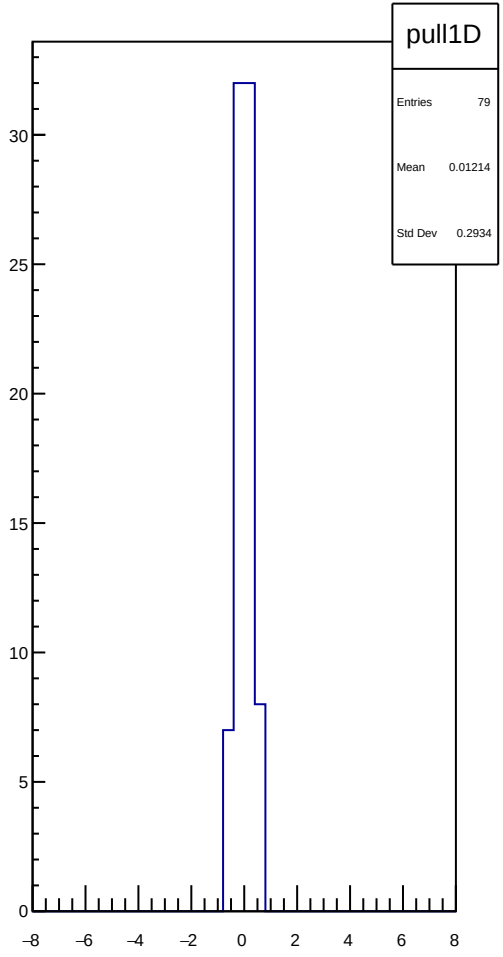

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 15.7 / 78
p0 −0.5388 ± 0.03831
pull
Entries 79
Mean 64.82
Std Dev 36.69

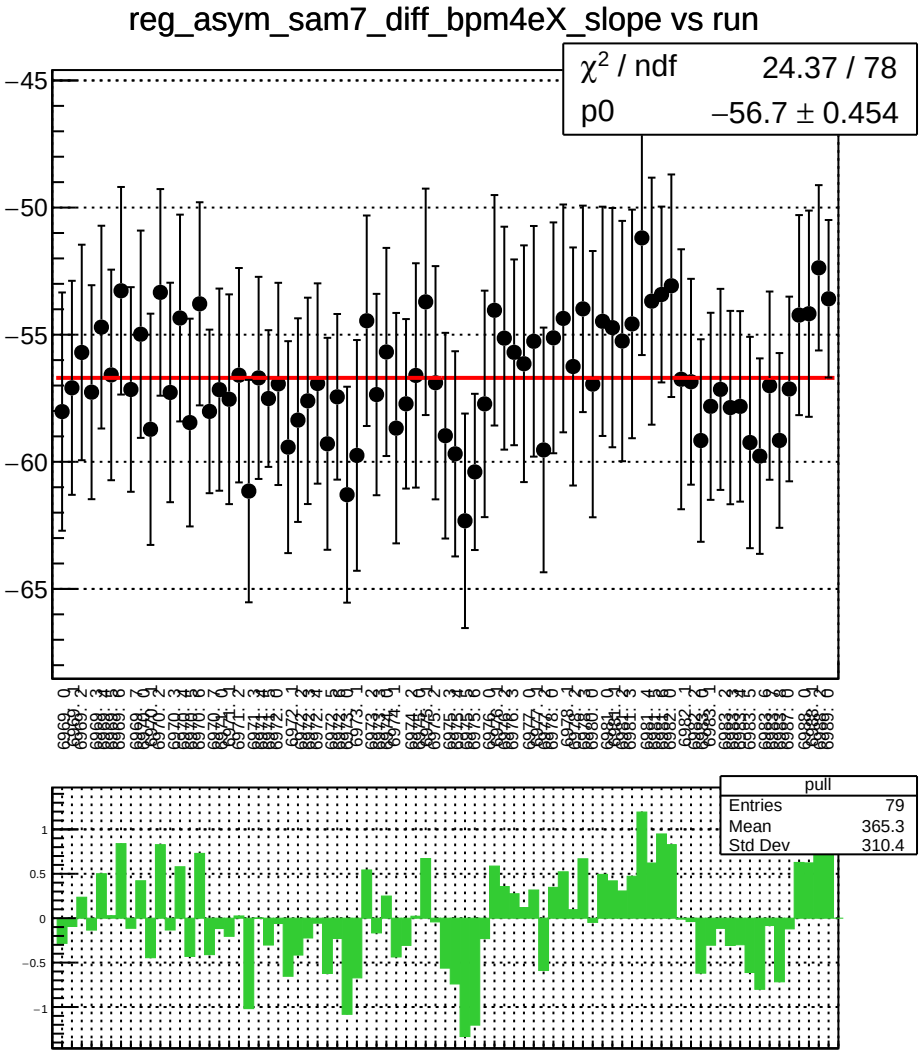

pull1D
Entries 79
Mean −0.01523
Std Dev 0.4455

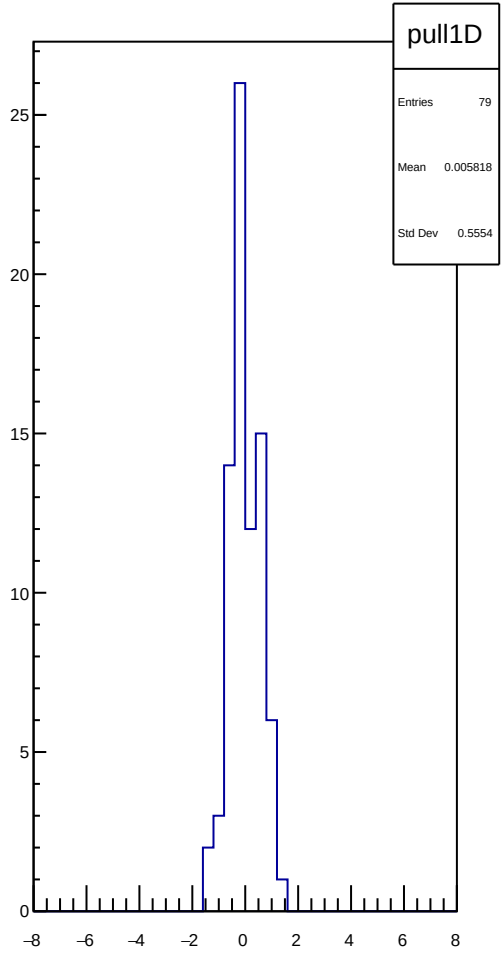

reg_asym_sam7_diff_bpm1X_slope vs run
χ^2 / ndf 21.04 / 78
p0 17.46 ± 0.4935
pull
Entries 79
Mean 184
Std Dev 124.9

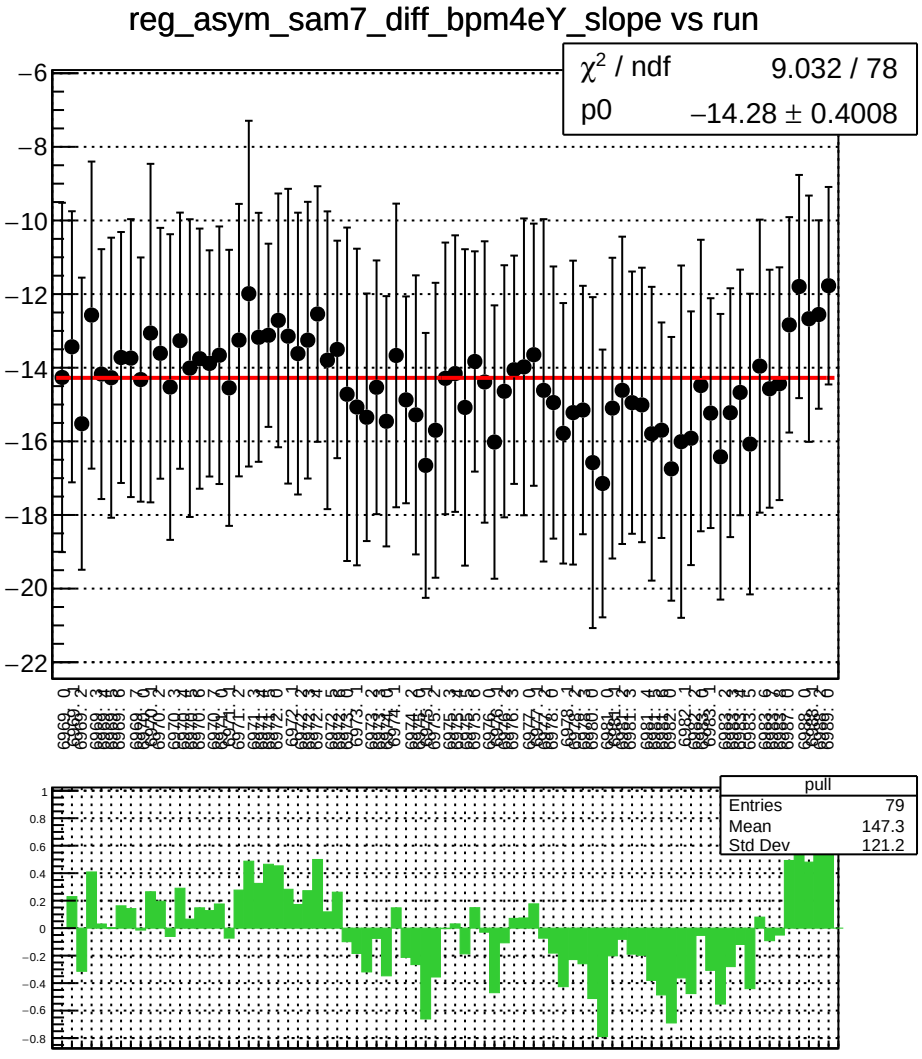

pull1D
Entries 79
Mean −0.01032
Std Dev 0.516

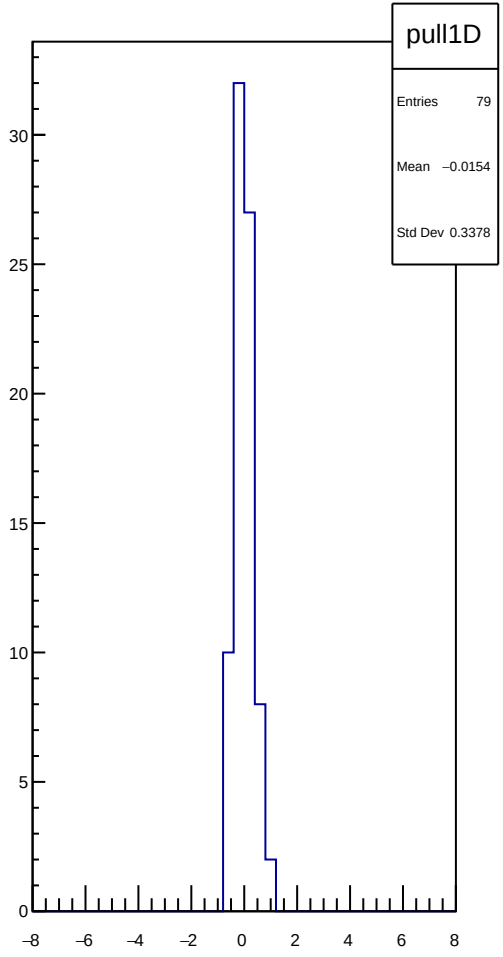

reg_asym_sam7_diff_bpm4aY_slope vs run
χ^2 / ndf 6.813 / 78
p0 7.816 ± 0.3492
pull
Entries 79
Mean 183
Std Dev 152.8

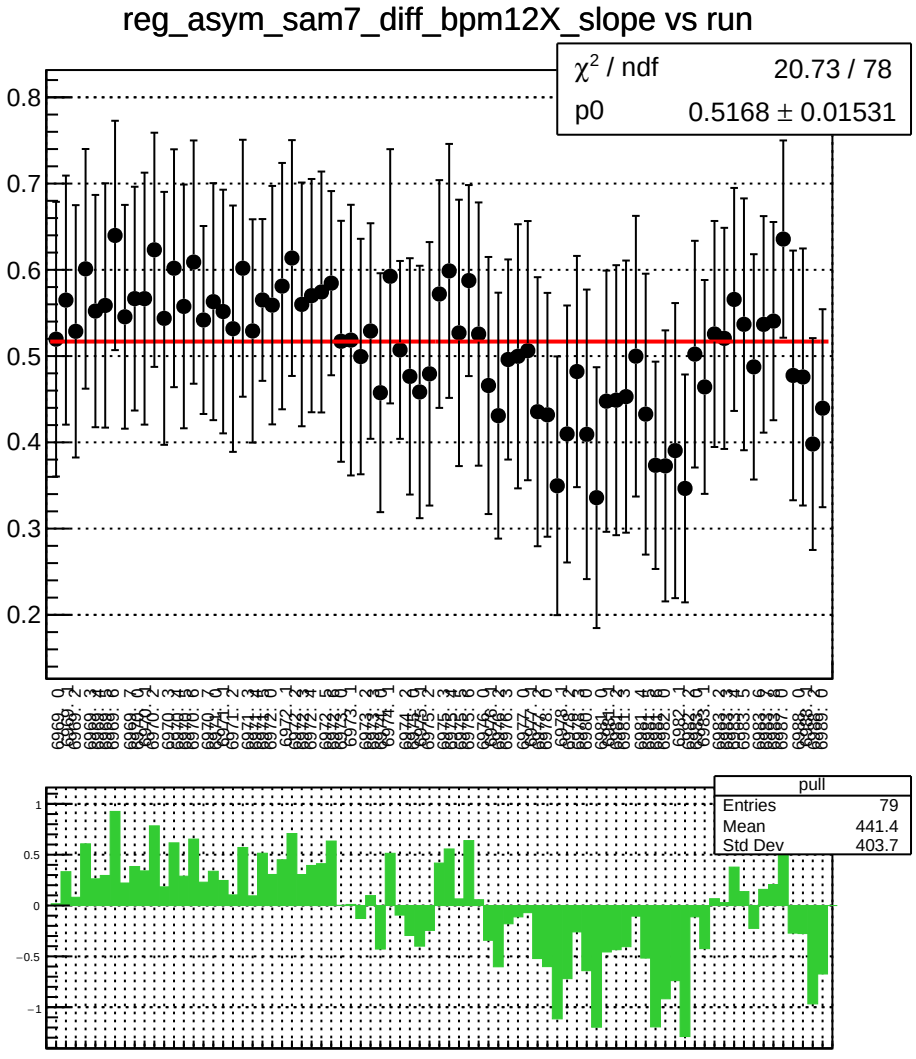

pull1D
Entries 79
Mean 0.01214
Std Dev 0.2934

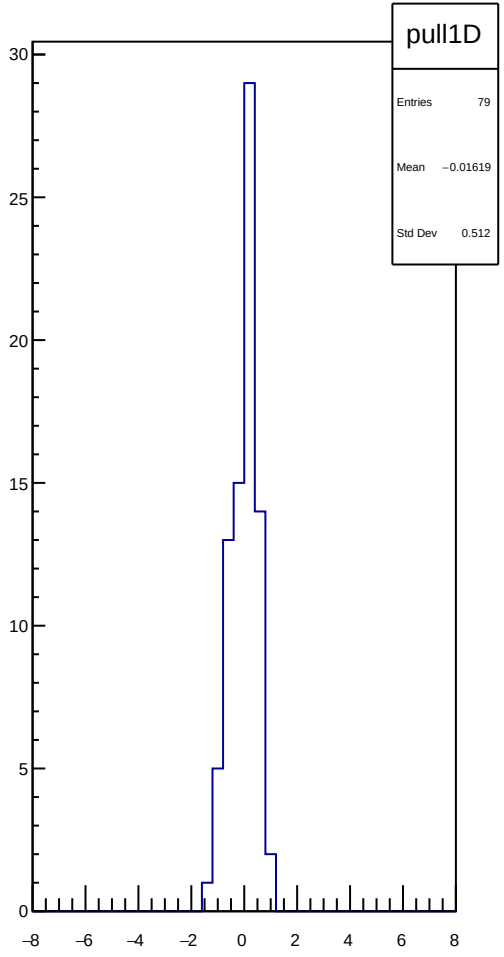

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 24.37 / 78
p0 −56.7 ± 0.454
pull
Entries 79
Mean 365.3
Std Dev 310.4

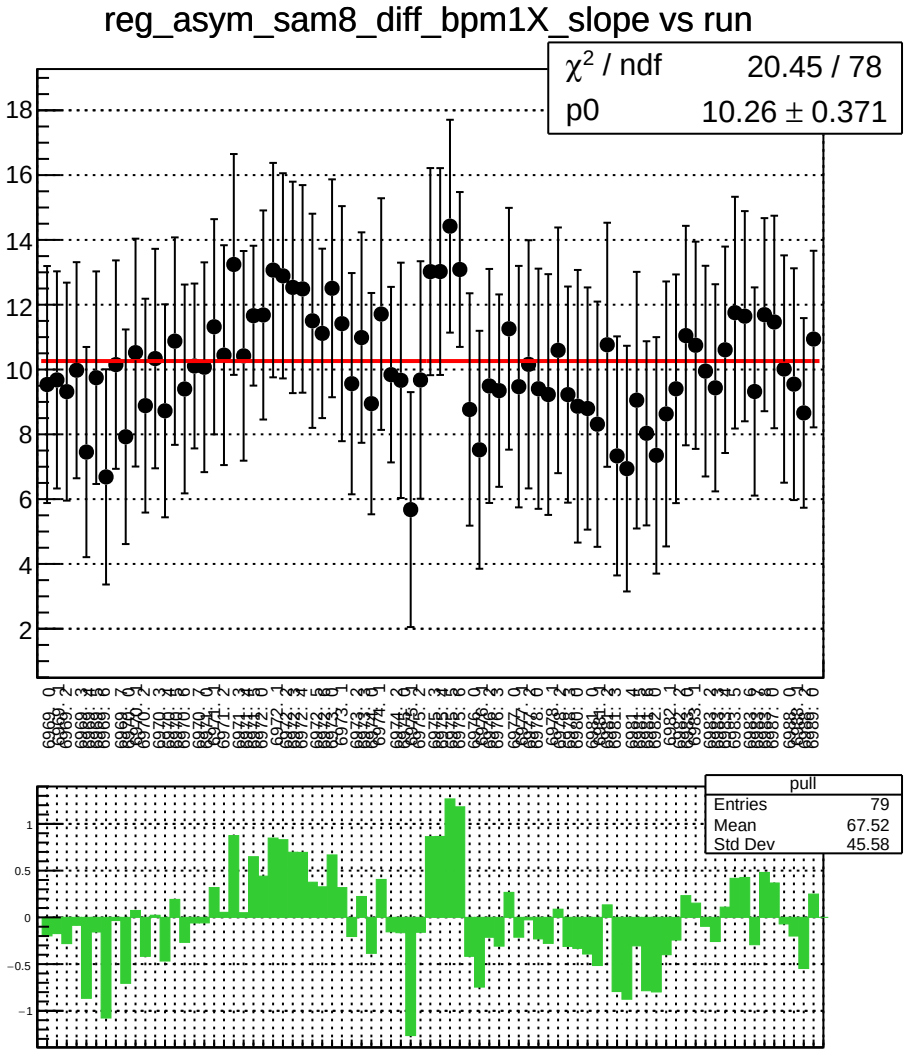

pull1D
Entries 79
Mean 0.005818
Std Dev 0.5554

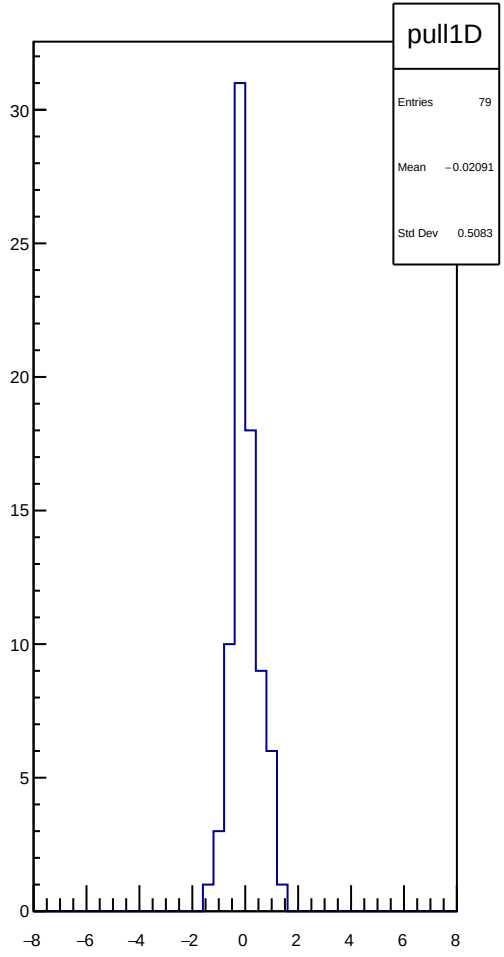

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 9.032 / 78
p0 −14.28 ± 0.4008
pull
Entries 79
Mean 147.3
Std Dev 121.2

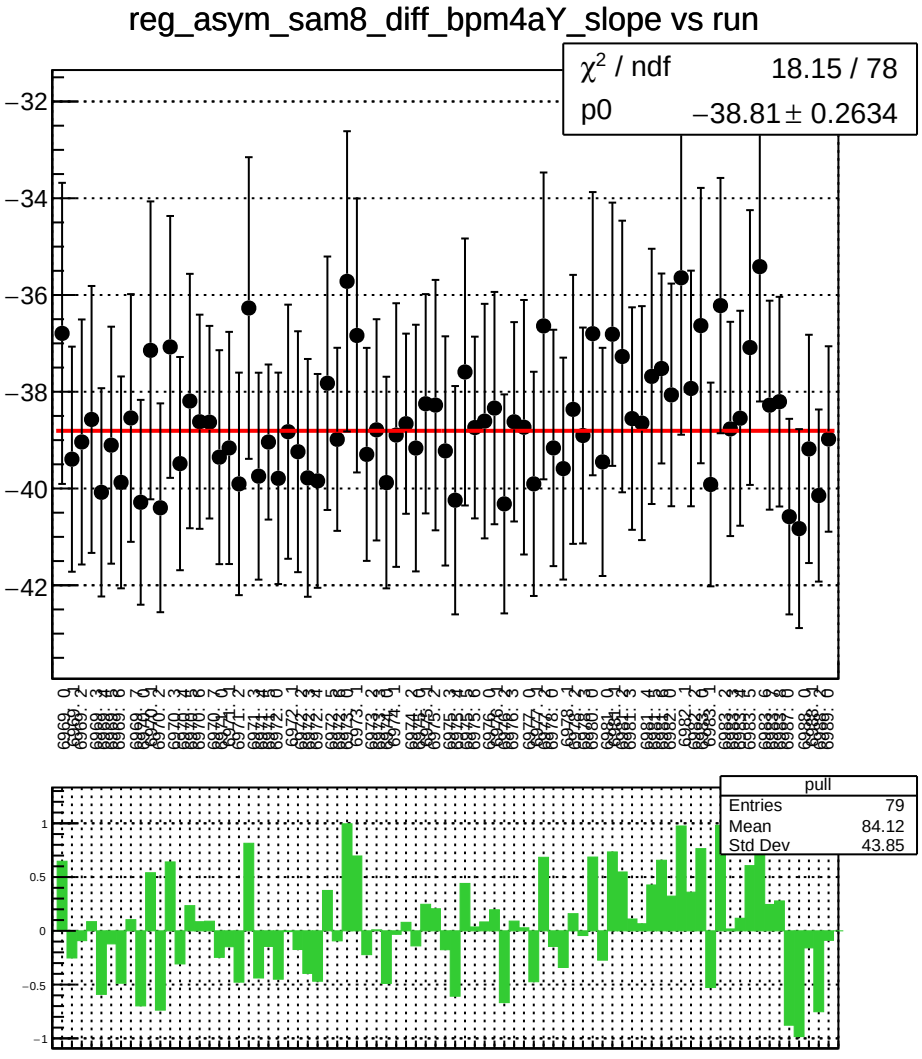

pull1D
Entries 79
Mean −0.0154
Std Dev 0.3378

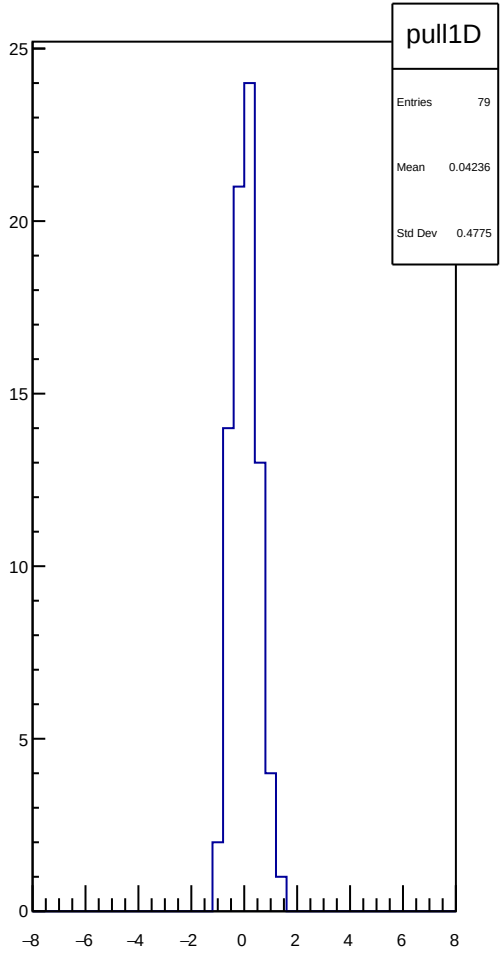

reg_asym_sam7_diff_bpm12X_slope vs run
χ^2 / ndf 20.73 / 78
p0 0.5168 ± 0.01531
pull
Entries 79
Mean 441.4
Std Dev 403.7

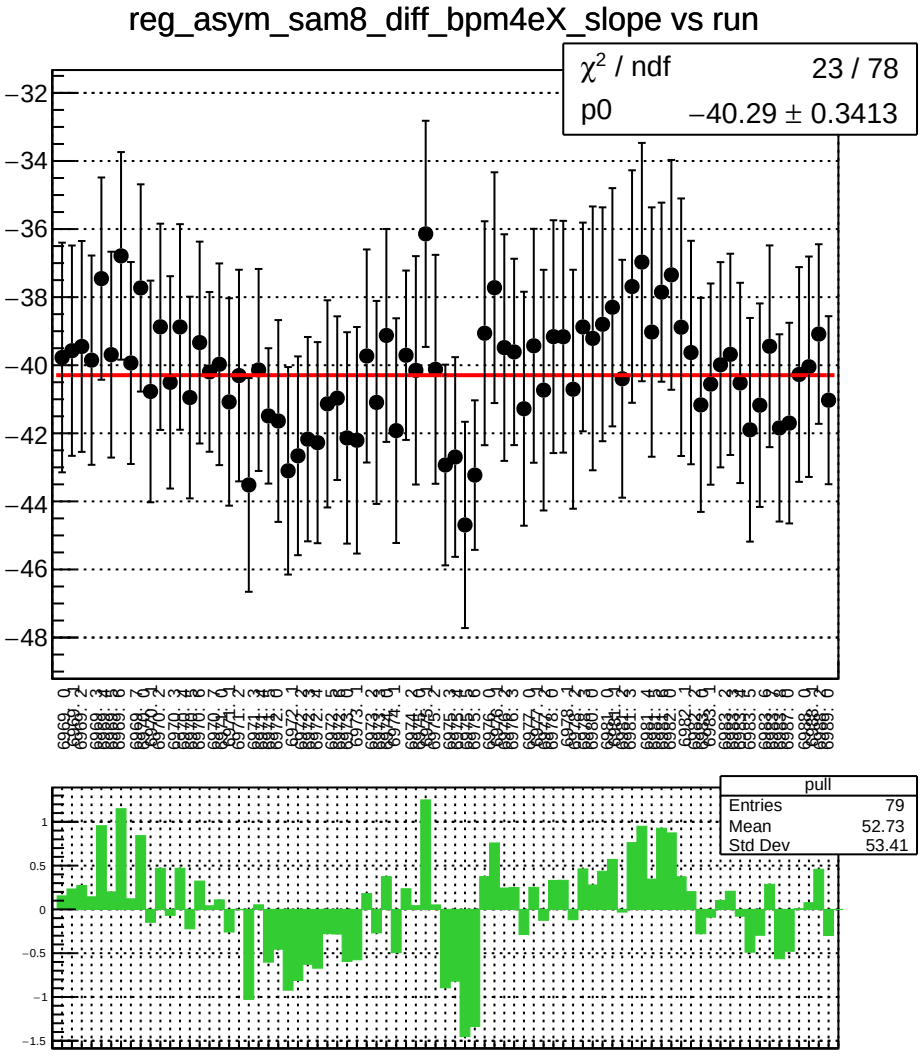

pull1D
Entries 79
Mean −0.01619
Std Dev 0.512

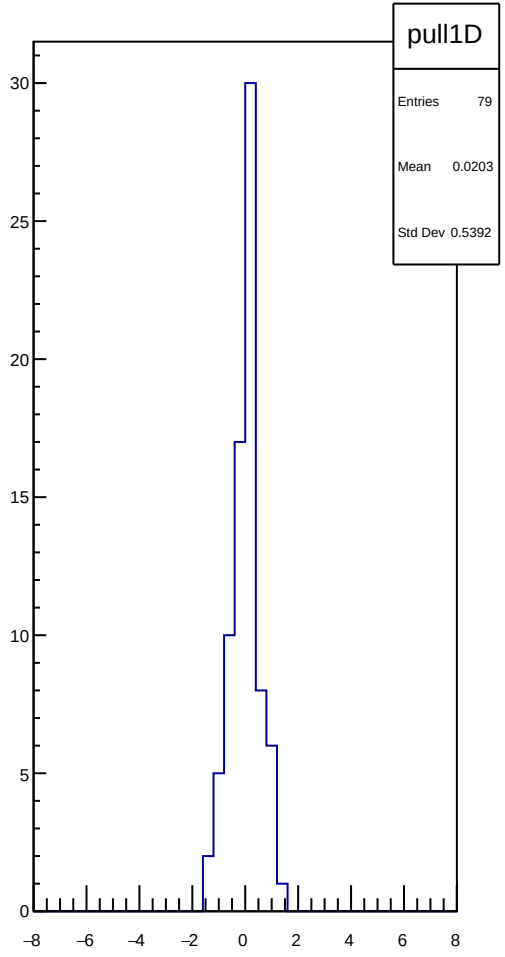

reg_asym_sam8_diff_bpm1X_slope vs run
χ^2 / ndf 20.45 / 78
p0 10.26 ± 0.371
pull
Entries 79
Mean 67.52
Std Dev 45.58

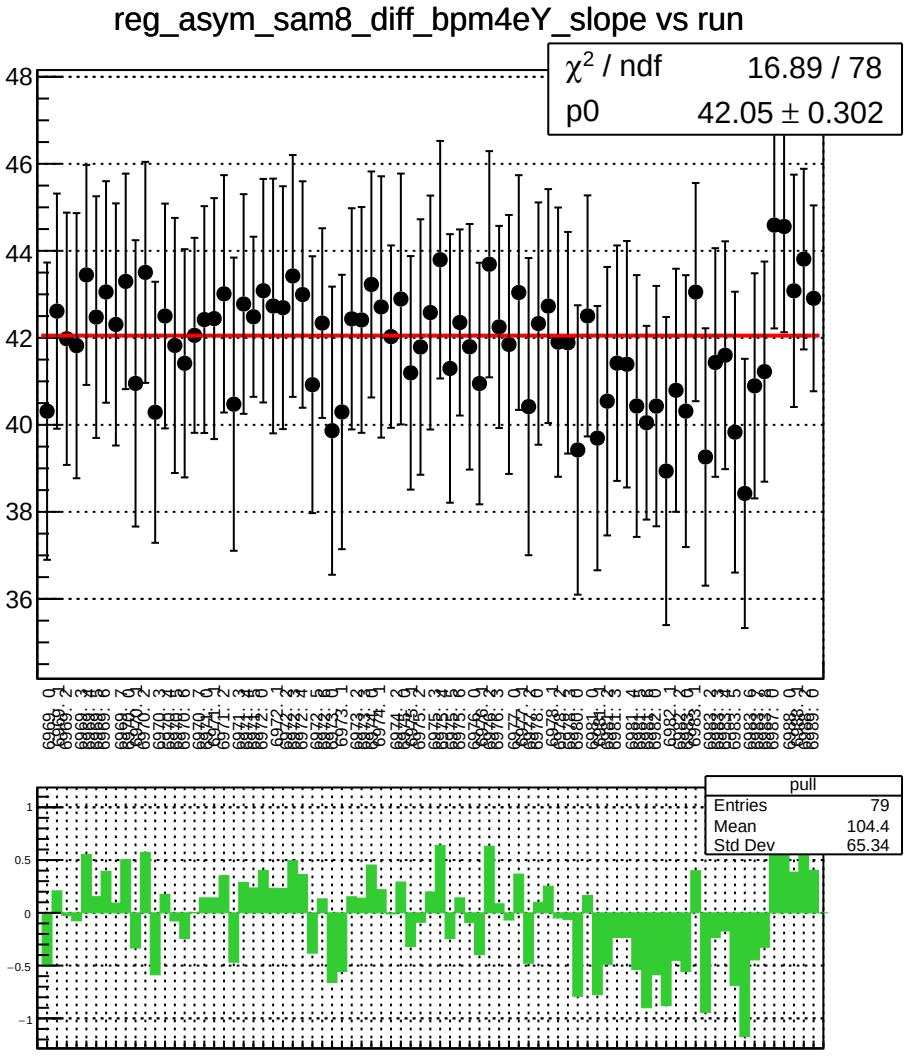

pull1D
Entries 79
Mean −0.02091
Std Dev 0.5083

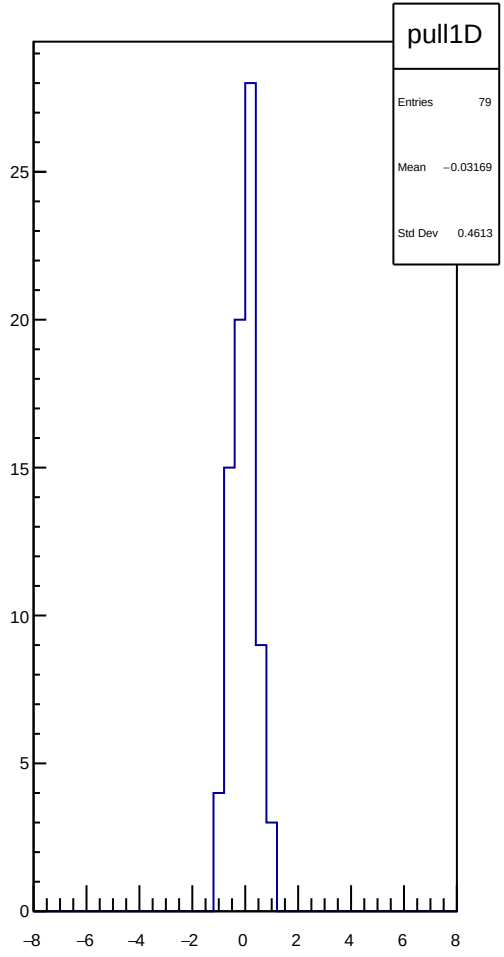

reg_asym_sam8_diff_bpm4aY_slope vs run
χ^2 / ndf 18.15 / 78
p0 −38.81 ± 0.2634
pull
Entries 79
Mean 84.12
Std Dev 43.85

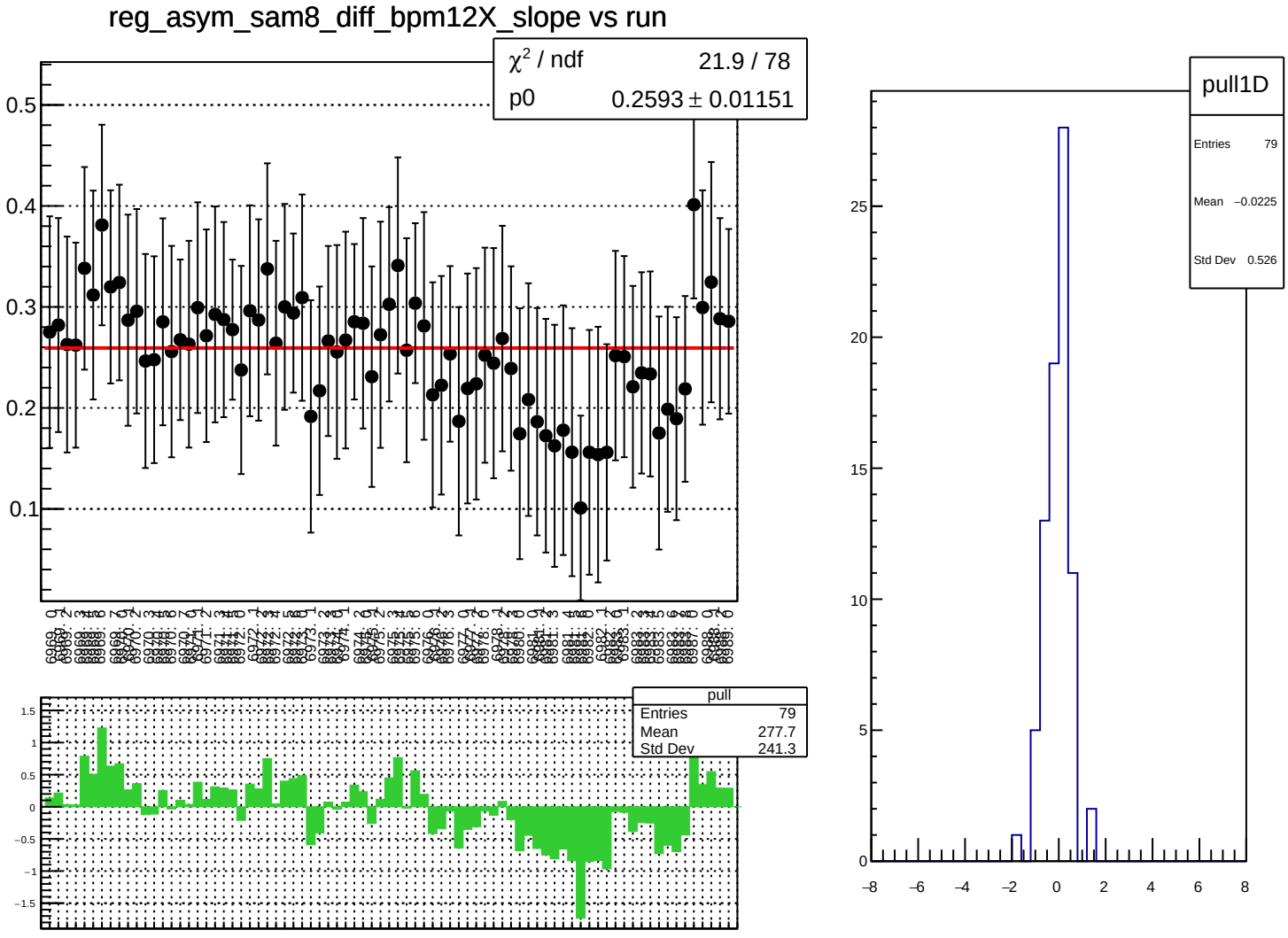

pull1D
Entries 79
Mean 0.04236
Std Dev 0.4775

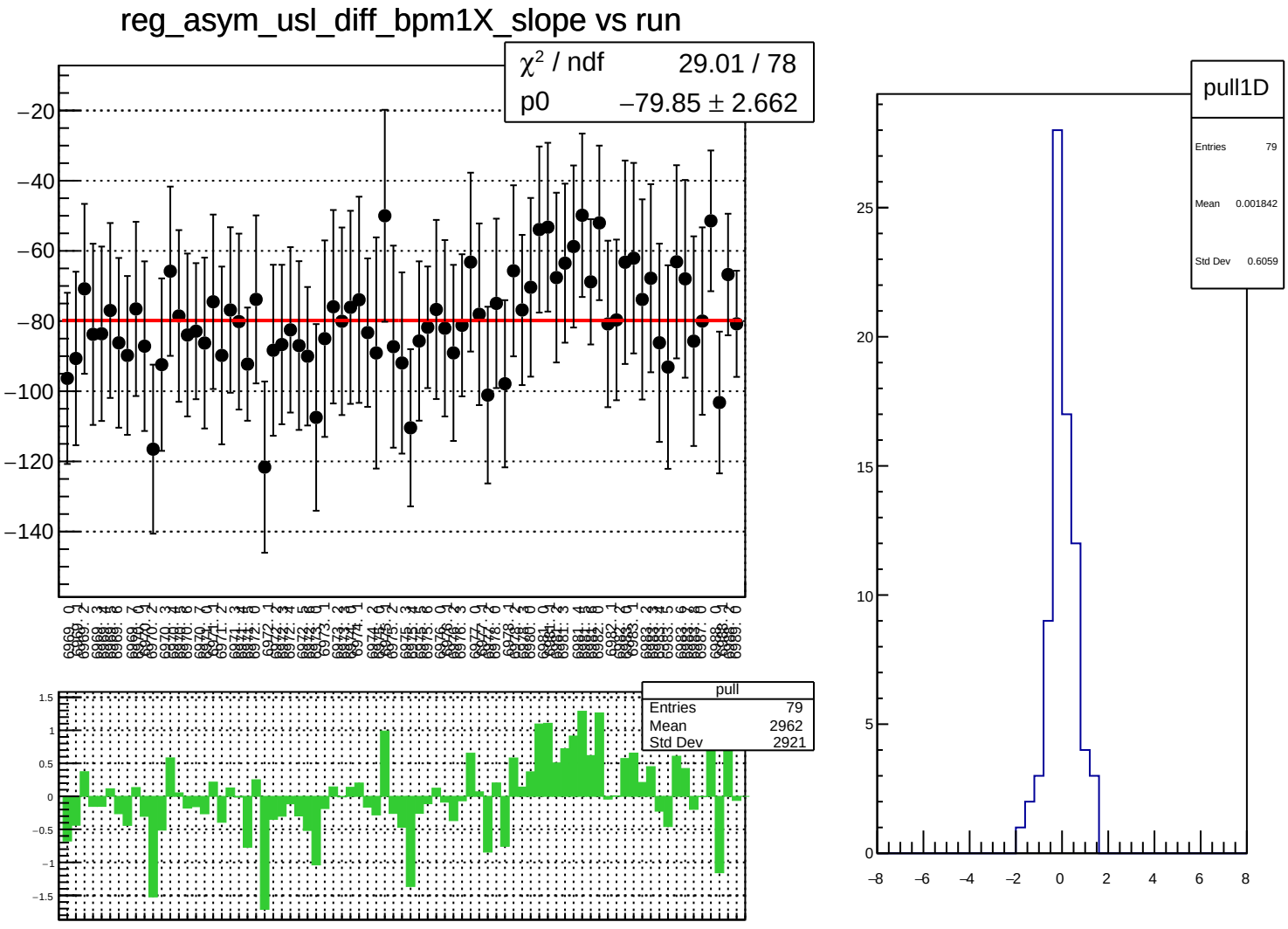

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 23 / 78
p0 −40.29 ± 0.3413
pull
Entries 79
Mean 52.73
Std Dev 53.41

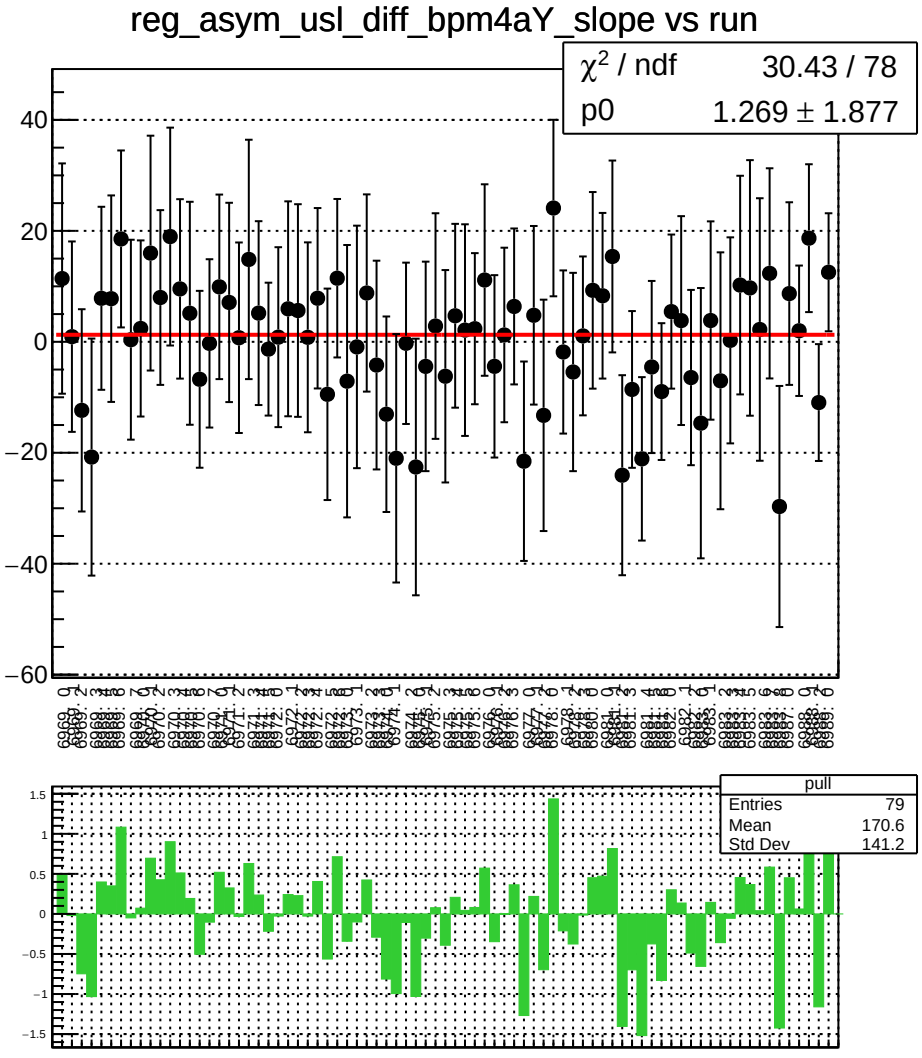

pull1D
Entries 79
Mean 0.0203
Std Dev 0.5392

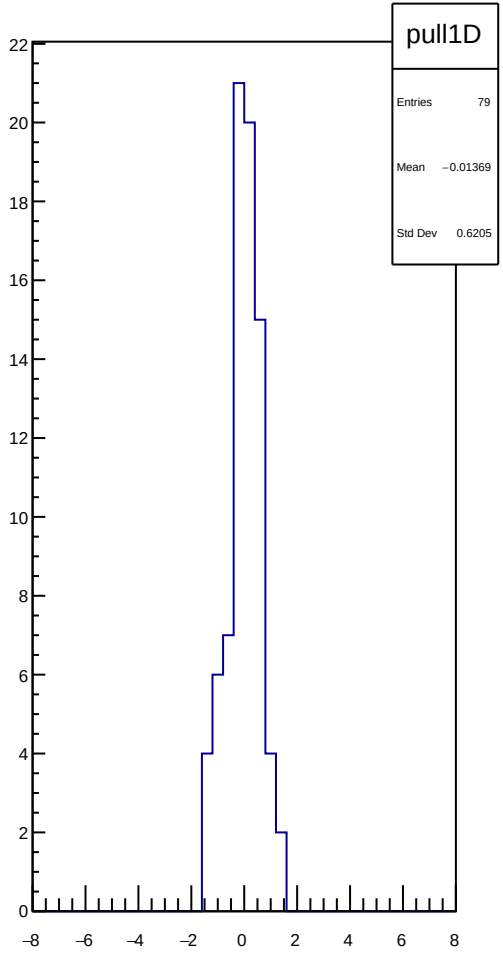

reg_asym_sam8_diff_bpm4eY_slope vs run
χ^2 / ndf 16.89 / 78
p0 42.05 ± 0.302
pull
Entries 79
Mean 104.4
Std Dev 65.34

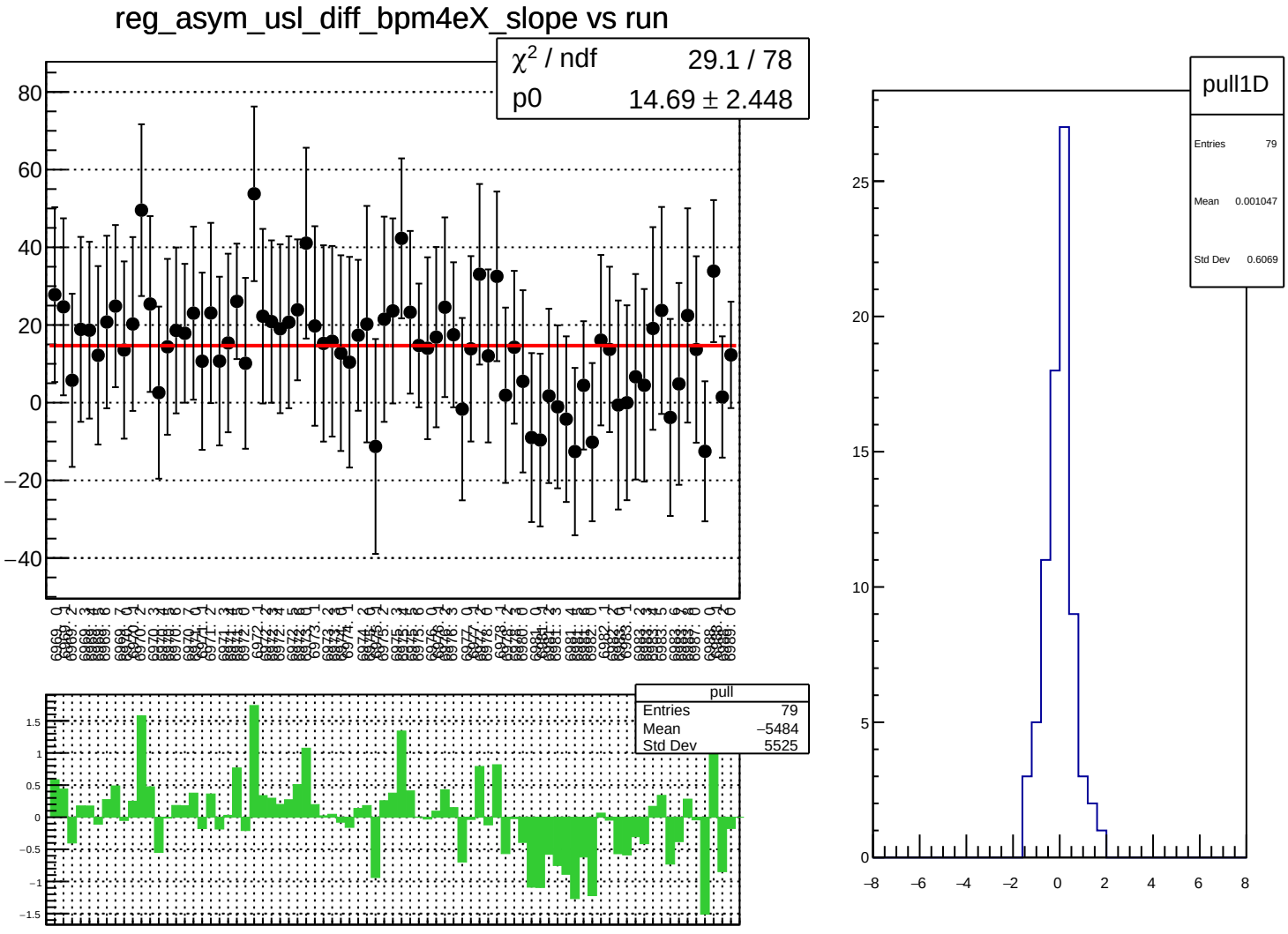

pull1D
Entries 79
Mean −0.03169
Std Dev 0.4613

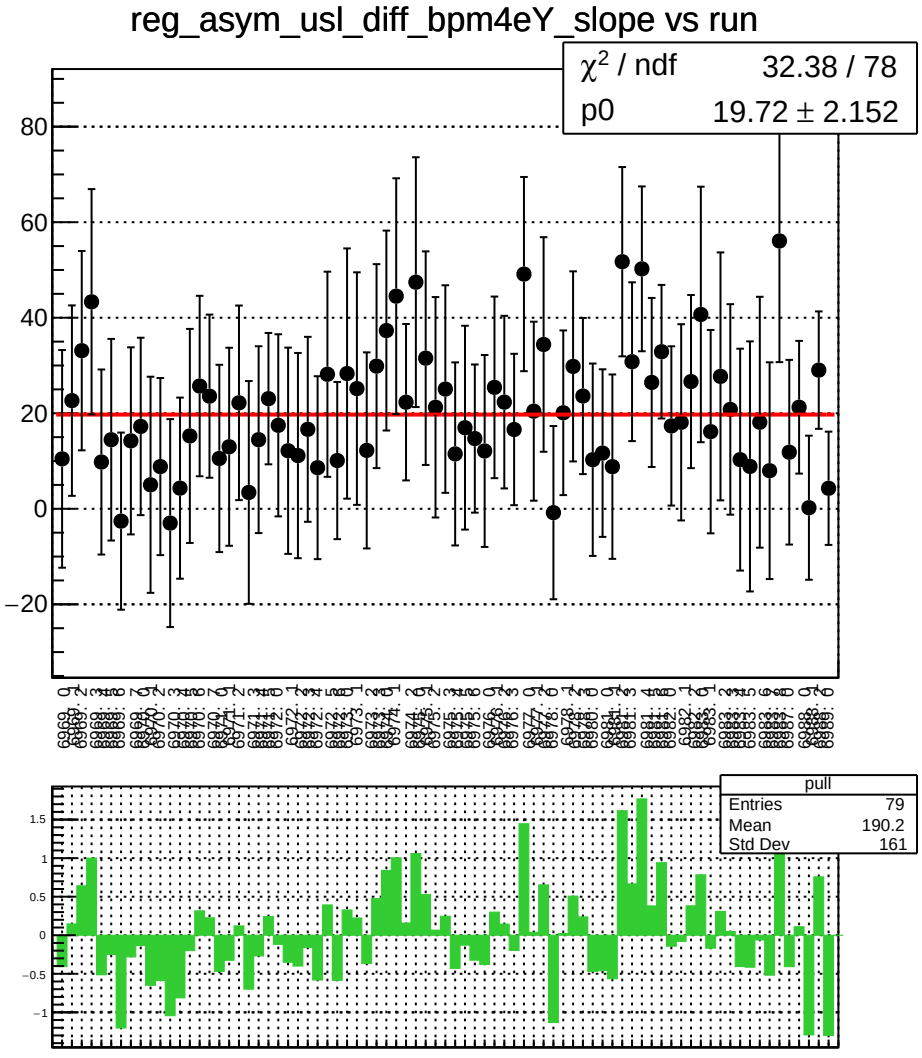

reg_asym_sam8_diff_bpm12X_slope vs run
χ^2 / ndf 21.9 / 78
p0 0.2593 ± 0.01151
pull
Entries 79
Mean 277.7
Std Dev 241.3
pull1D
Entries 79
Mean −0.0225
Std Dev 0.526

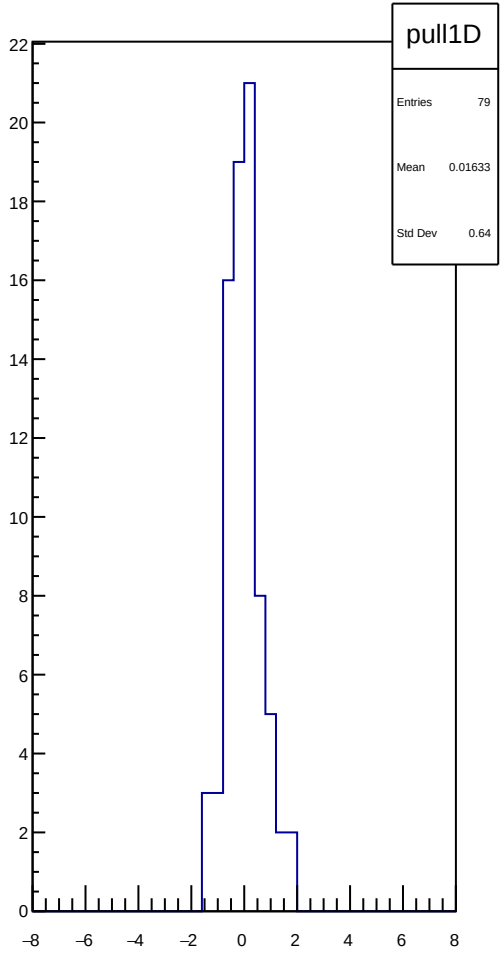

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 29.01 / 78
p0 −79.85 ± 2.662
pull
Entries 79
Mean 2962
Std Dev 2921
pull1D
Entries 79
Mean 0.001842
Std Dev 0.6059

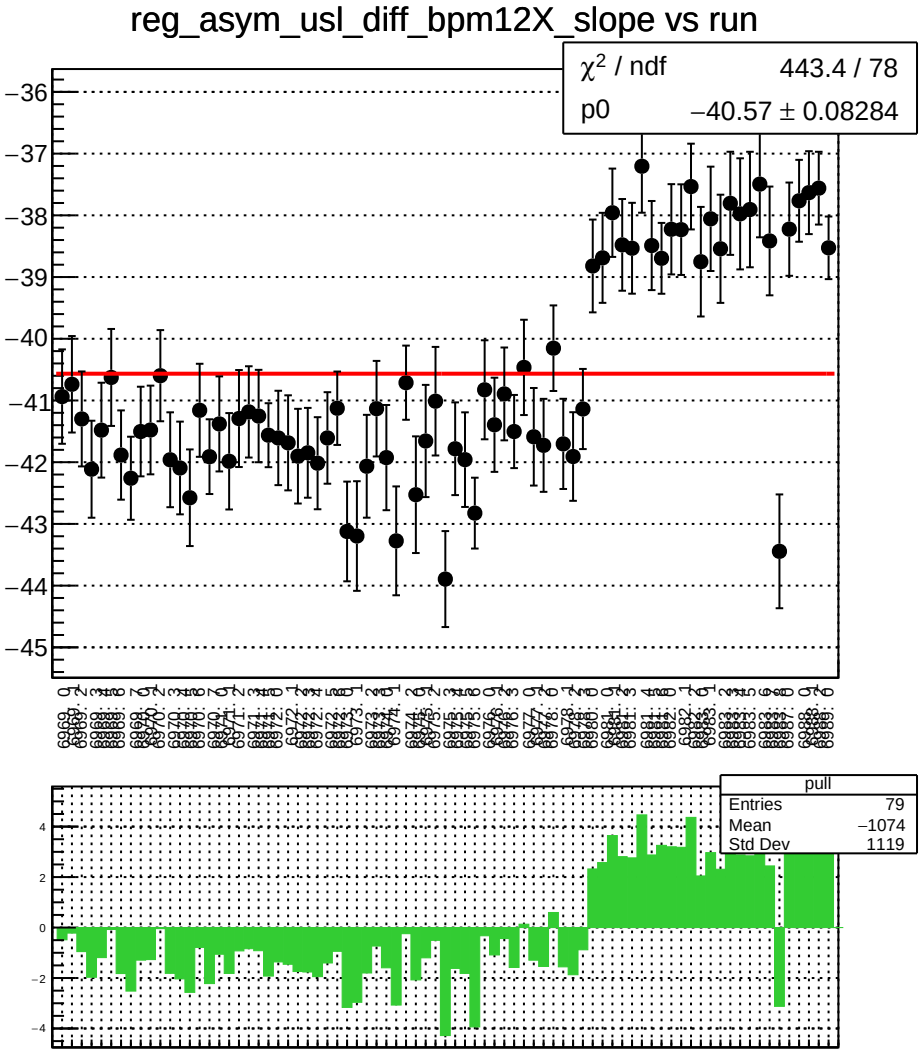

reg_asym_usl_diff_bpm4aY_slope vs run
χ^2 / ndf 30.43 / 78
p0 1.269 ± 1.877
pull
Entries 79
Mean 170.6
Std Dev 141.2

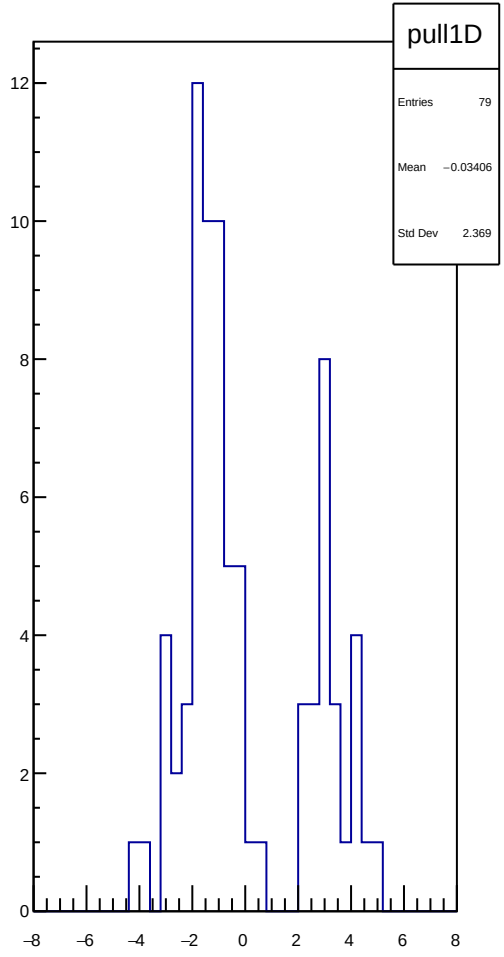

pull1D
Entries 79
Mean −0.01369
Std Dev 0.6205

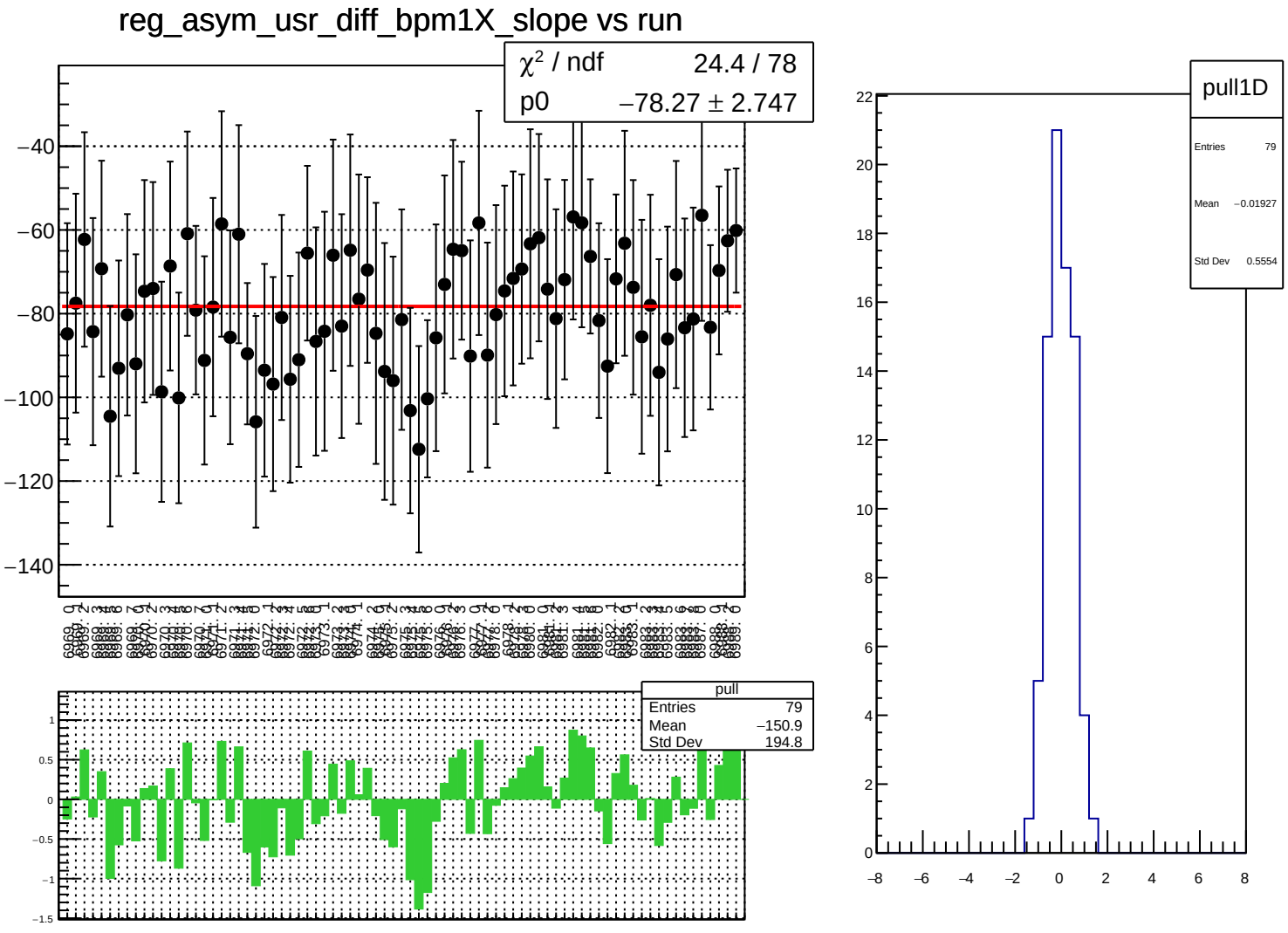

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 29.1 / 78
p0 14.69 ± 2.448
pull
Entries 79
Mean −5484
Std Dev 5525
pull1D
Entries 79
Mean 0.001047
Std Dev 0.6069

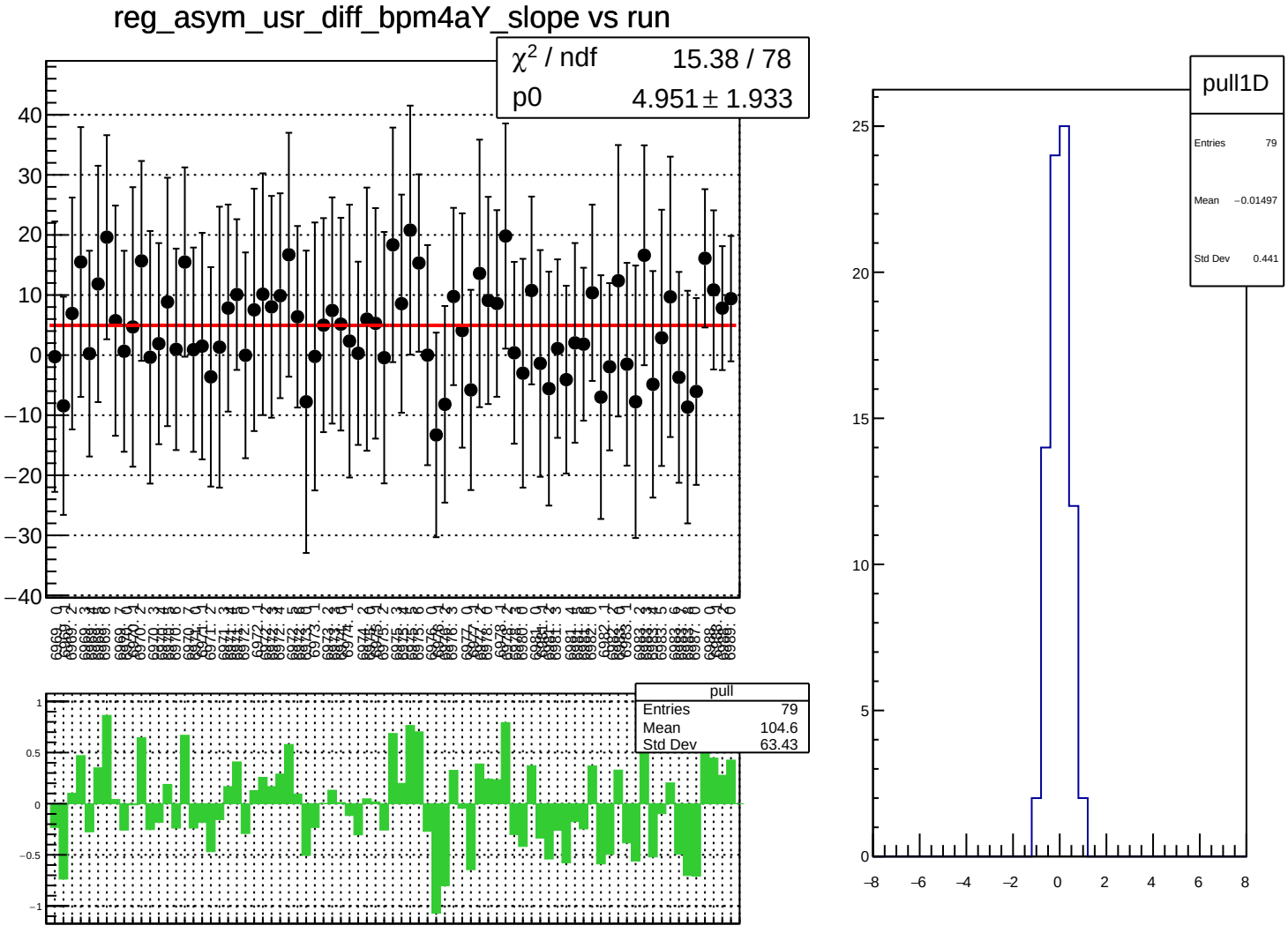

reg_asym_usl_diff_bpm4eY_slope vs run
χ^2 / ndf 32.38 / 78
p0 19.72 ± 2.152
pull
Entries 79
Mean 190.2
Std Dev 161

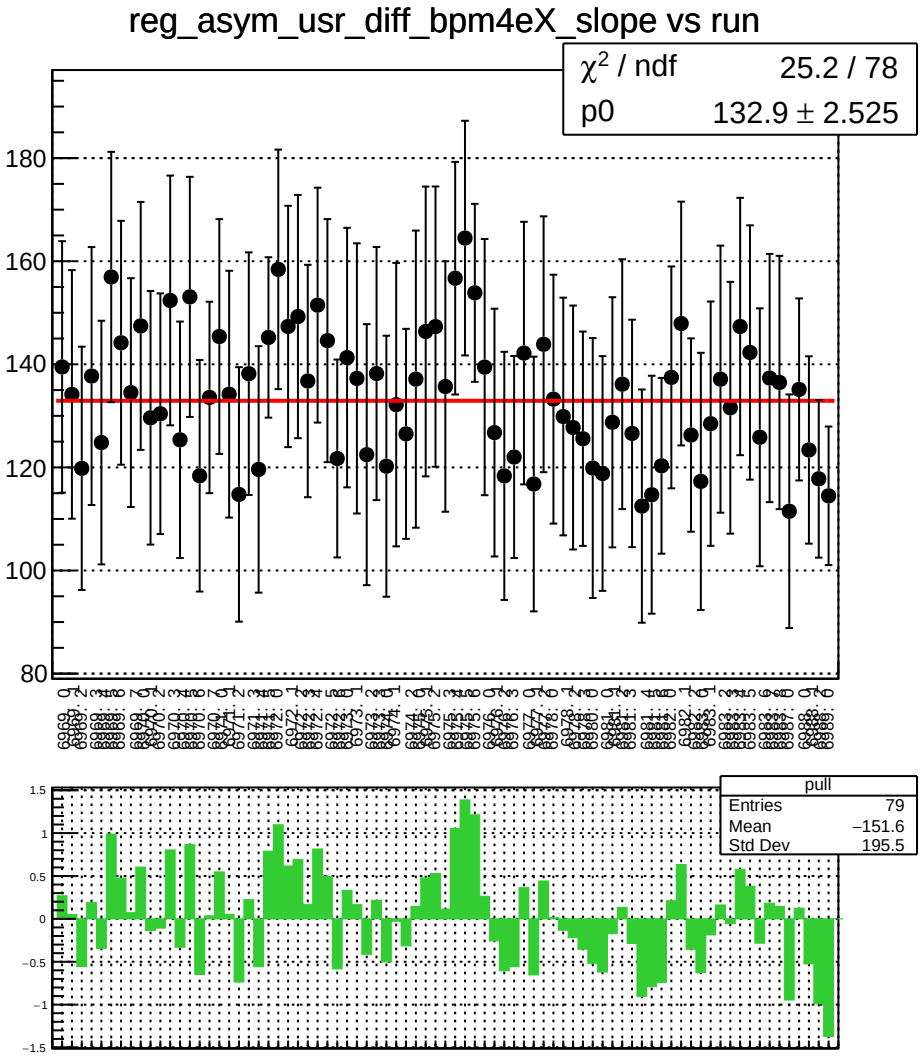

pull1D
Entries 79
Mean 0.01633
Std Dev 0.64

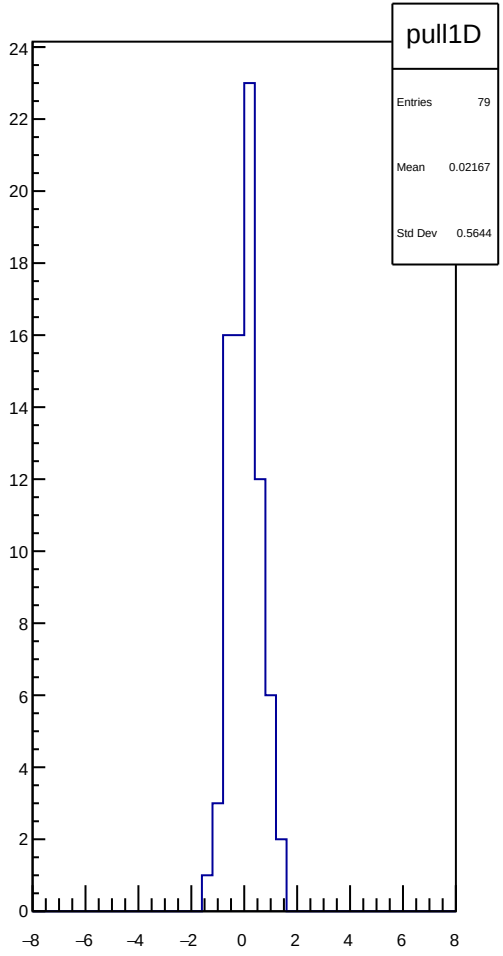

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 443.4 / 78
p0 −40.57 ± 0.08284
pull
Entries 79
Mean −1074
Std Dev 1119

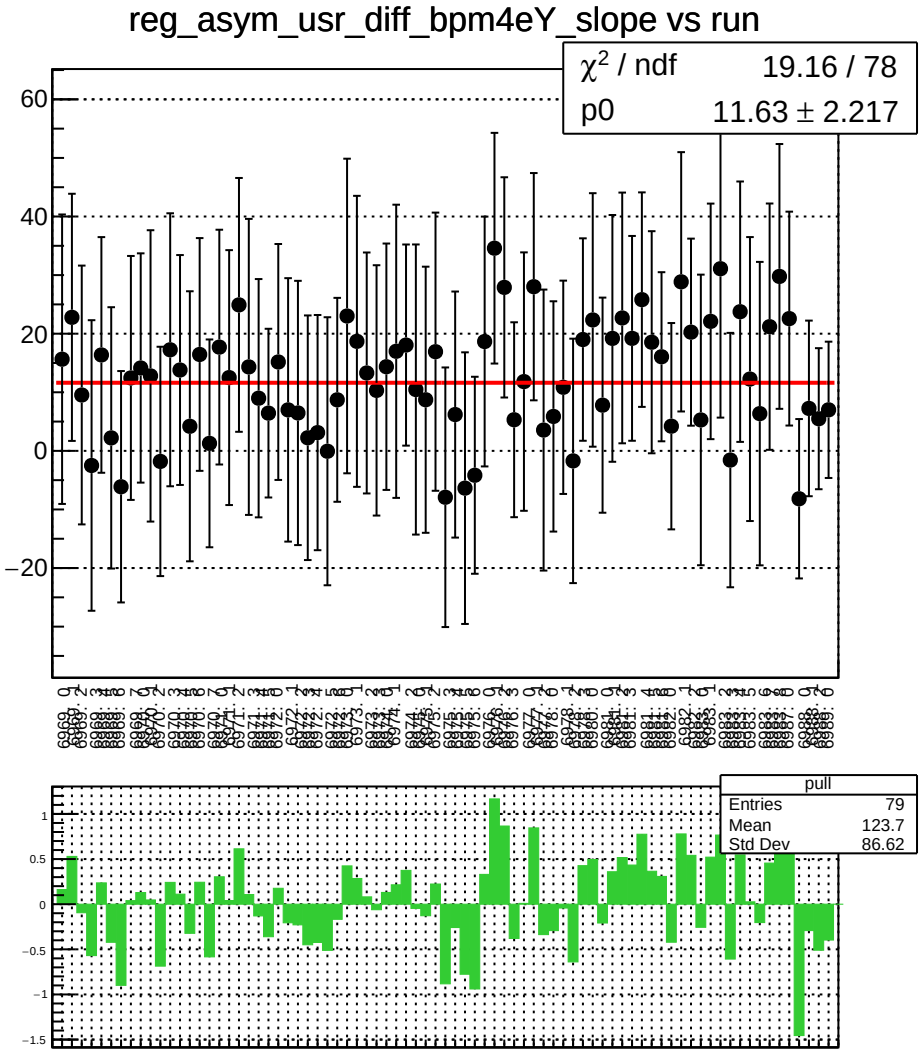

pull1D
Entries 79
Mean −0.03406
Std Dev 2.369

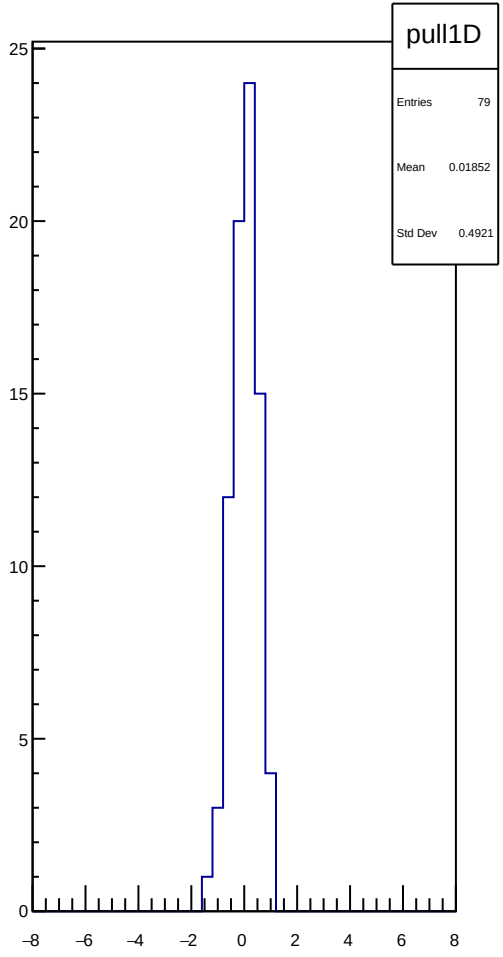

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 24.4 / 78
p0 −78.27 ± 2.747
pull
Entries 79
Mean −150.9
Std Dev 194.8
pull1D
Entries 79
Mean −0.01927
Std Dev 0.5554

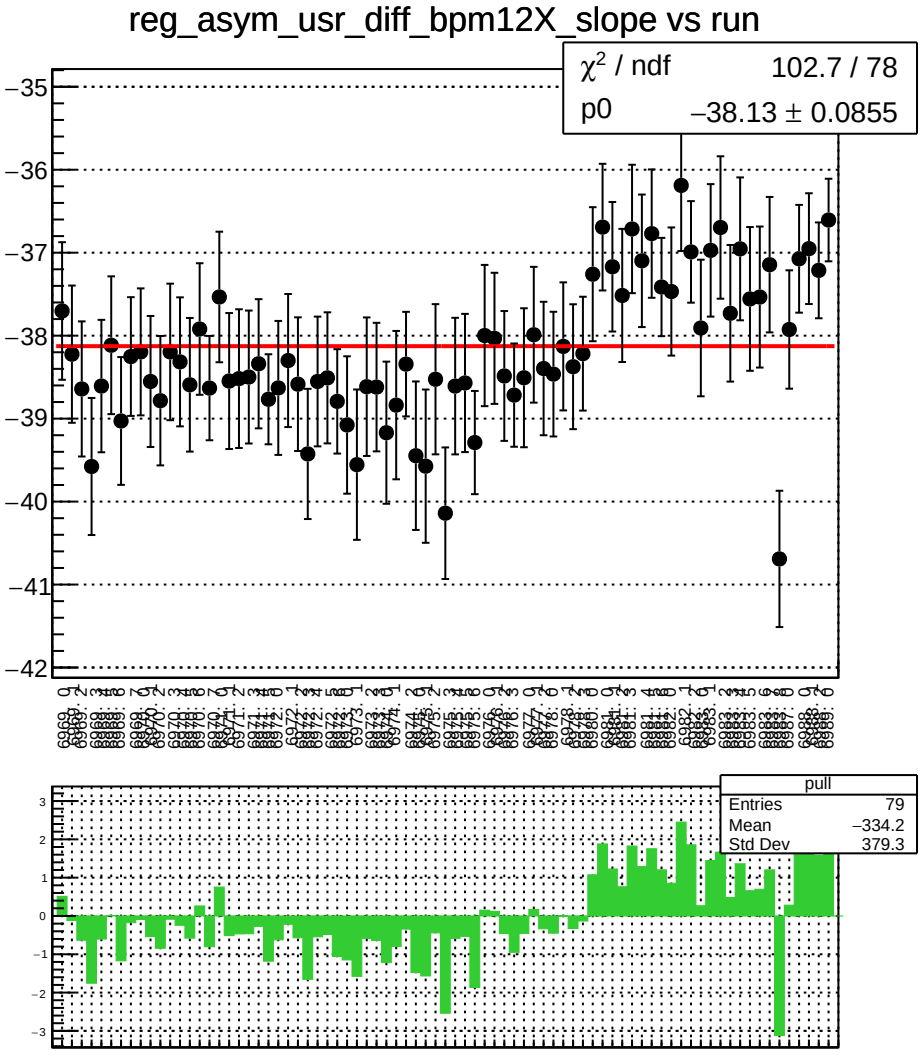

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 15.38 / 78
p0 4.951 ± 1.933
pull
Entries 79
Mean 104.6
Std Dev 63.43
pull1D
Entries 79
Mean −0.01497
Std Dev 0.441

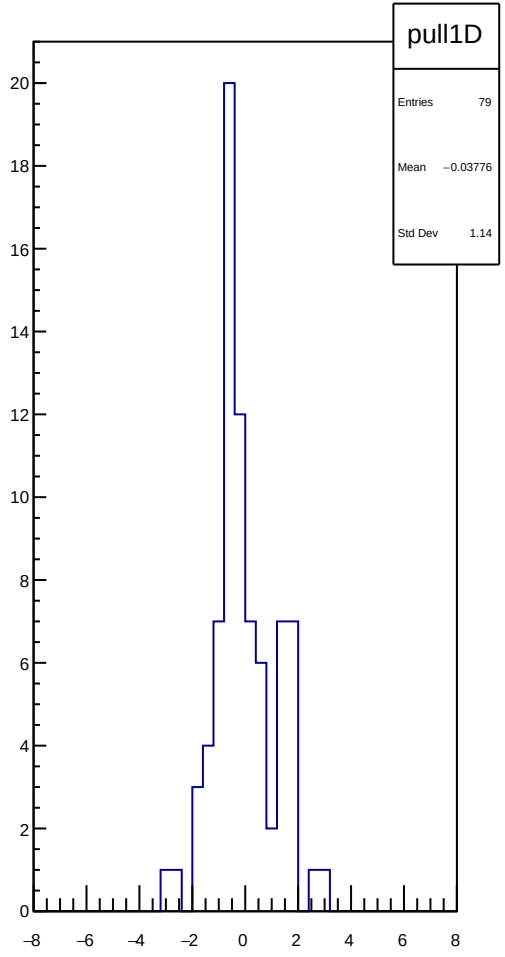

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 25.2 / 78
p0 132.9 ± 2.525
pull
Entries 79
Mean −151.6
Std Dev 195.5


pull1D
Entries 79
Mean 0.02167
Std Dev 0.5644

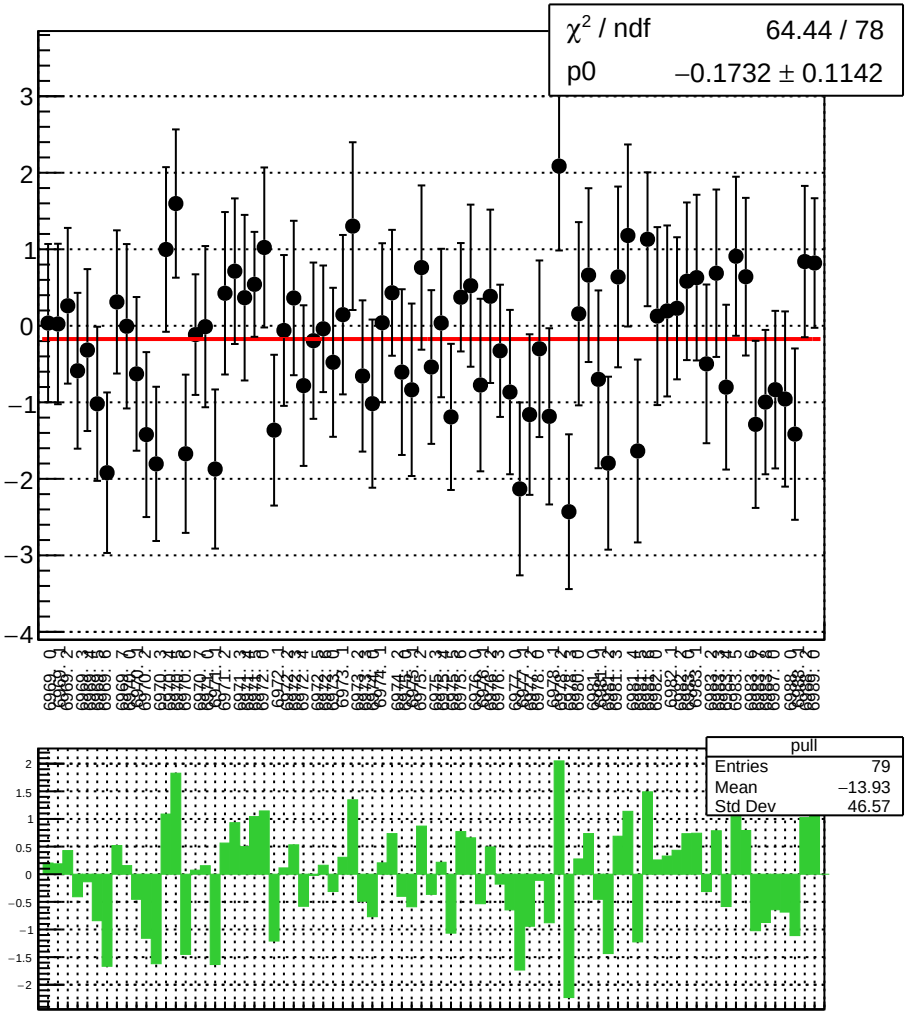

reg_asym_usr_diff_bpm4eY_slope vs run
χ^2 / ndf 19.16 / 78
p0 11.63 ± 2.217
pull
Entries 79
Mean 123.7
Std Dev 86.62

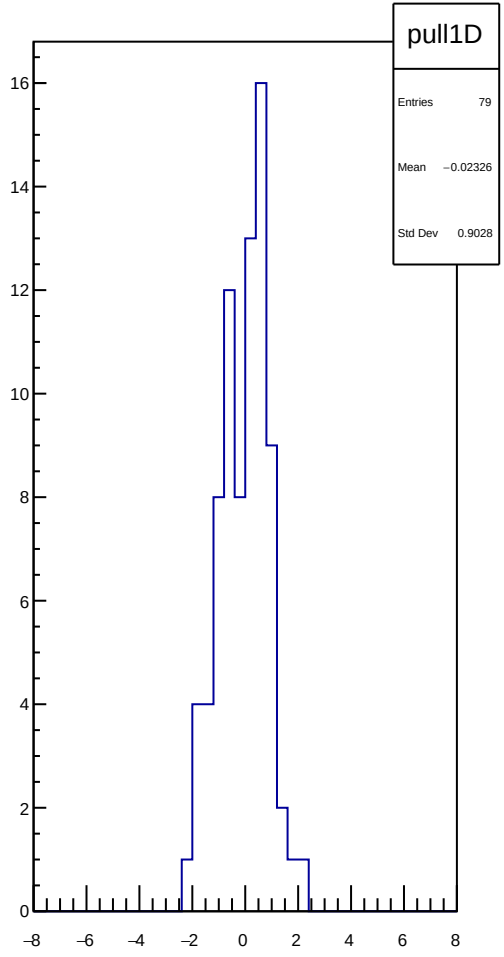

pull1D
Entries 79
Mean 0.01852
Std Dev 0.4921

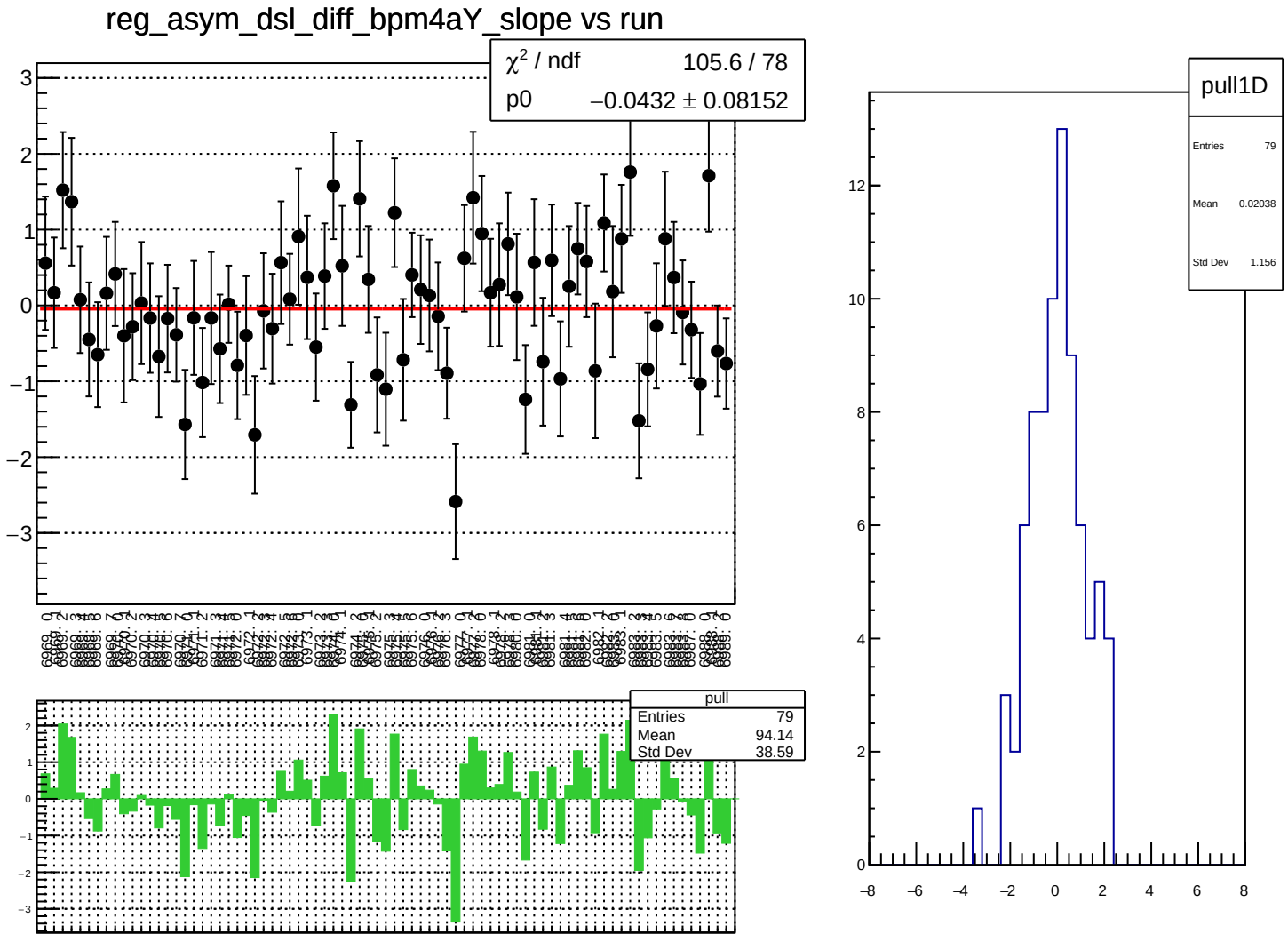

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 102.7 / 78
p0 −38.13 ± 0.0855
pull
Entries 79
Mean −334.2
Std Dev 379.3

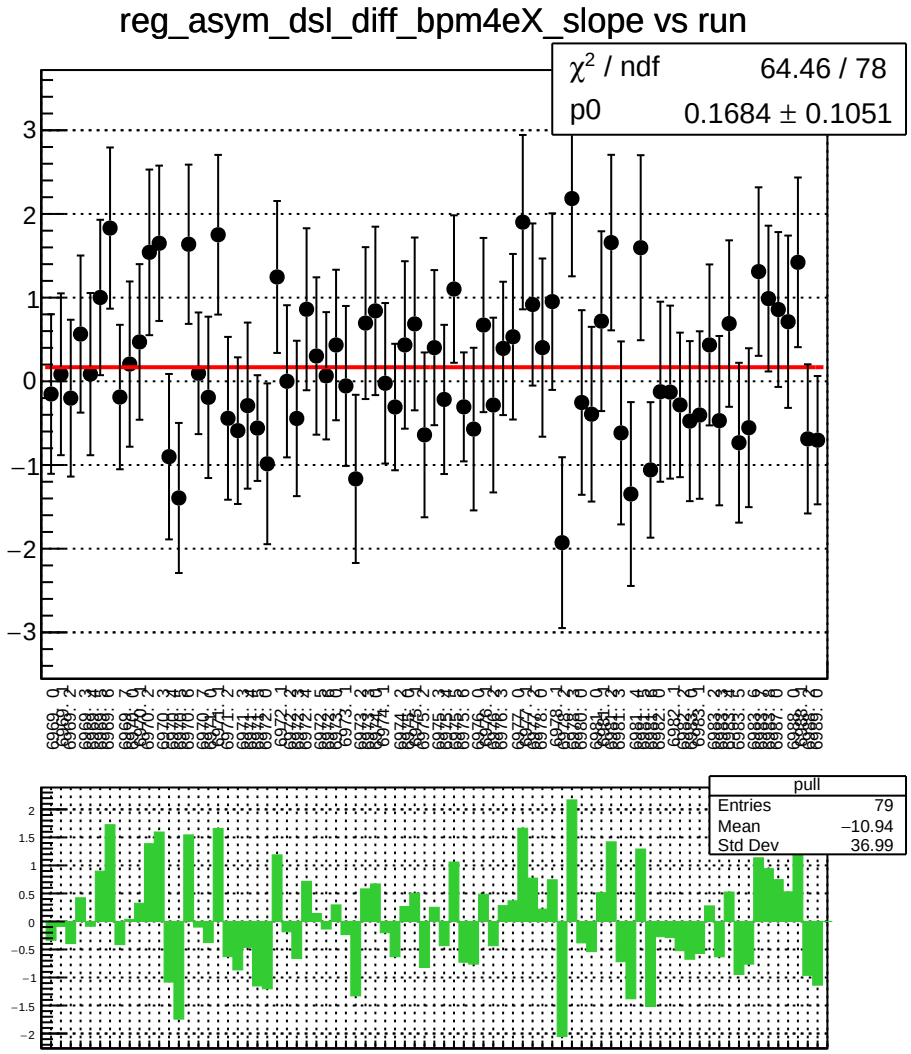

pull1D
Entries 79
Mean −0.03776
Std Dev 1.14

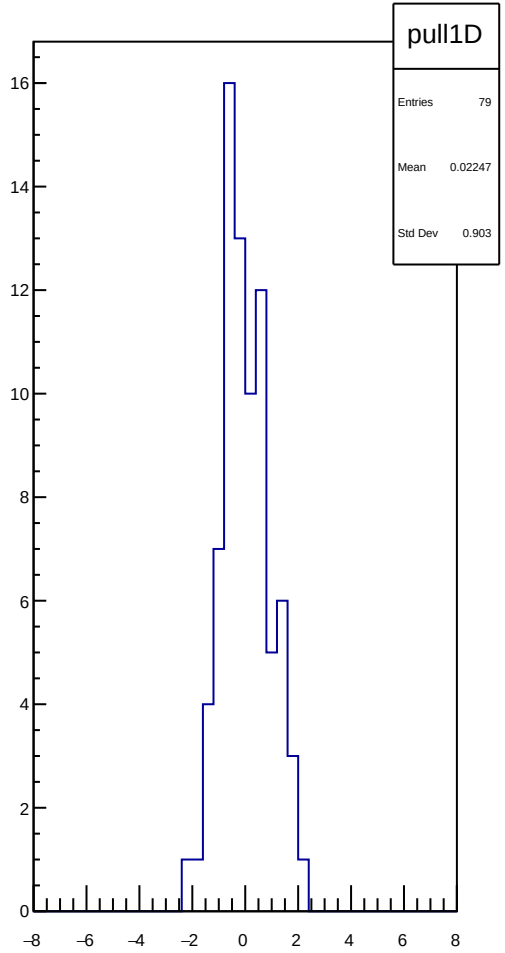
reg_asym_dsl_diff_bpm1X_slope vs run

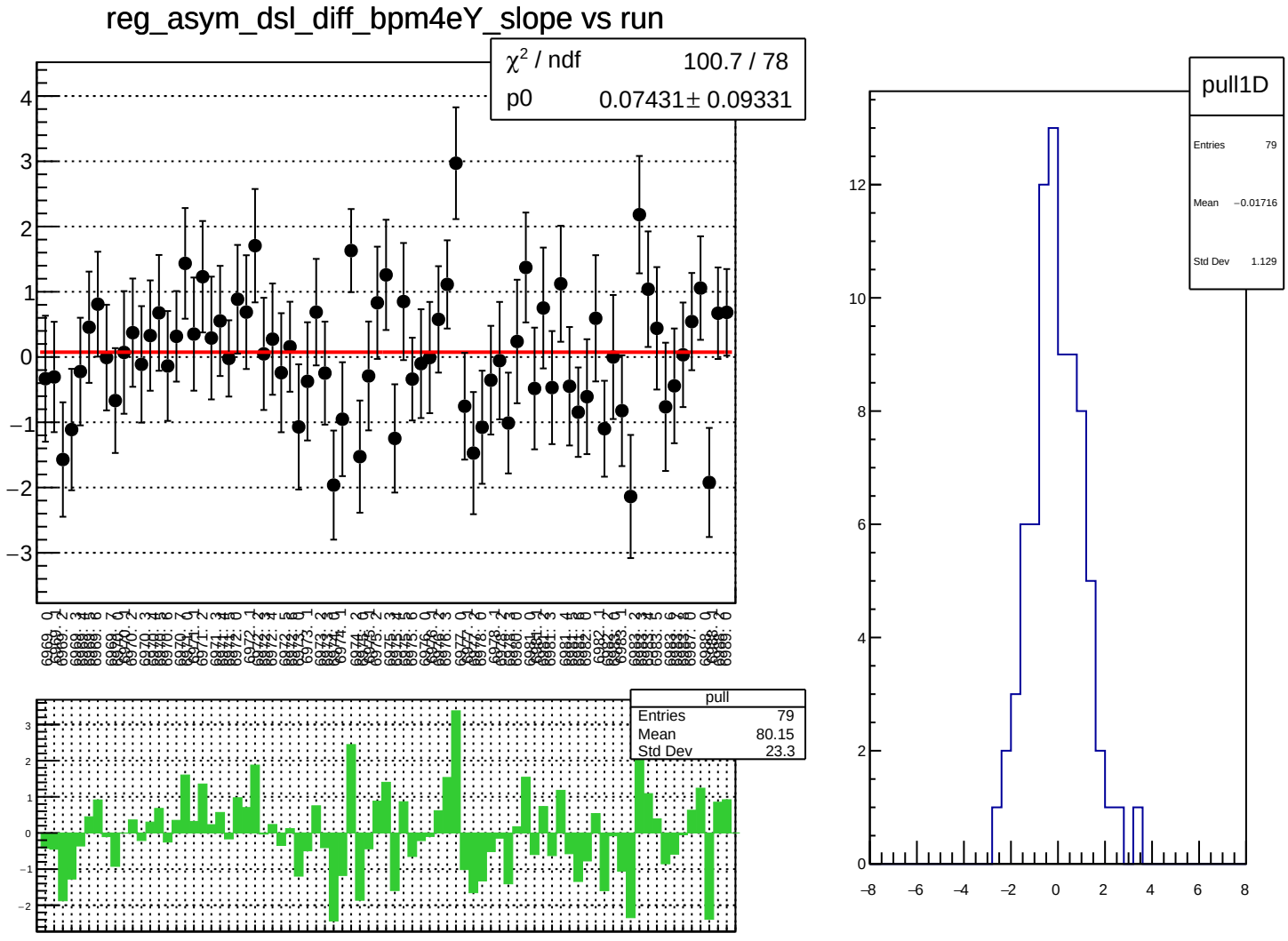


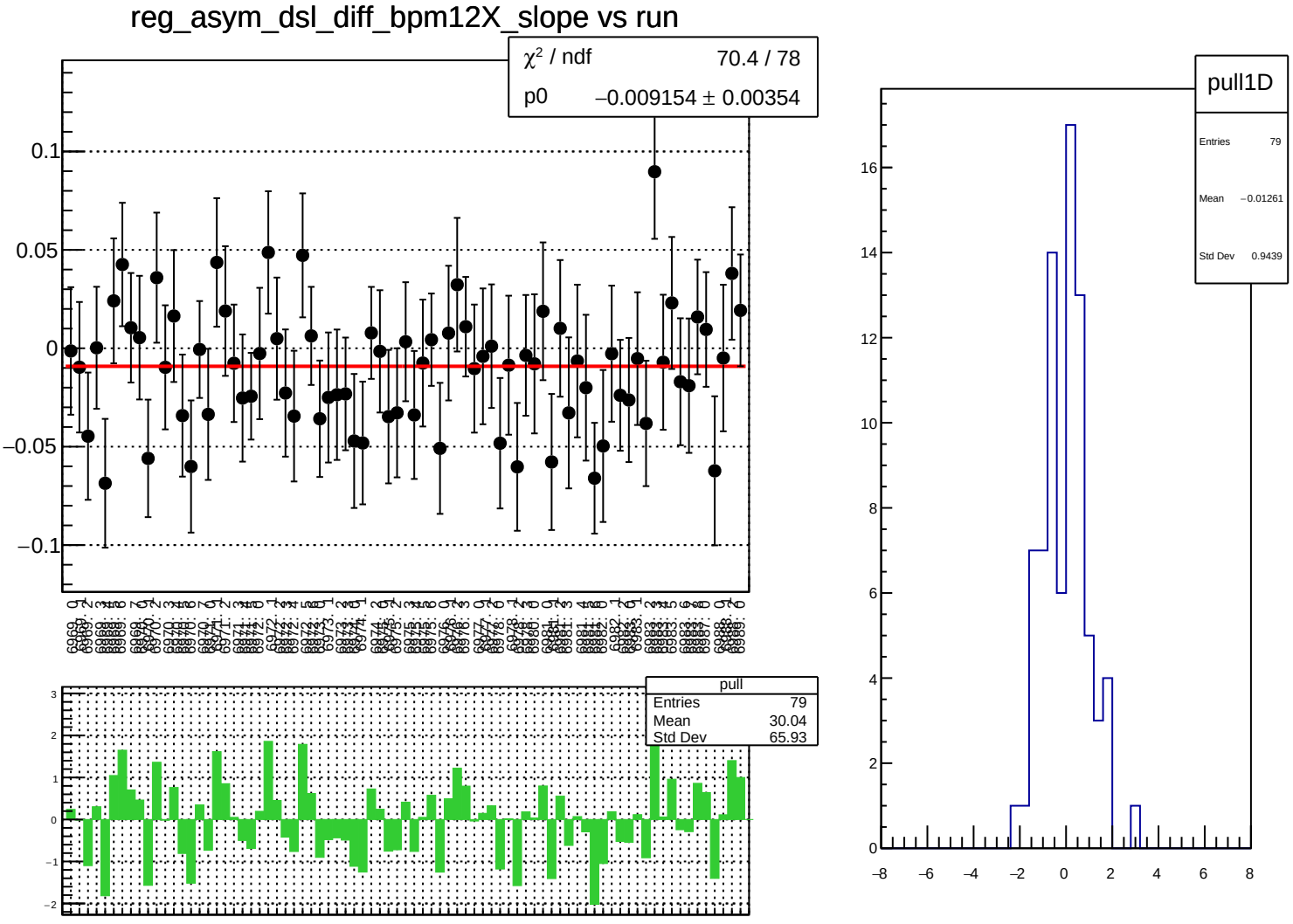



reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 105.6 / 78
p0 −0.0432 ± 0.08152
pull
Entries 79
Mean 94.14
Std Dev 38.59
pull1D
Entries 79
Mean 0.02038
Std Dev 1.156

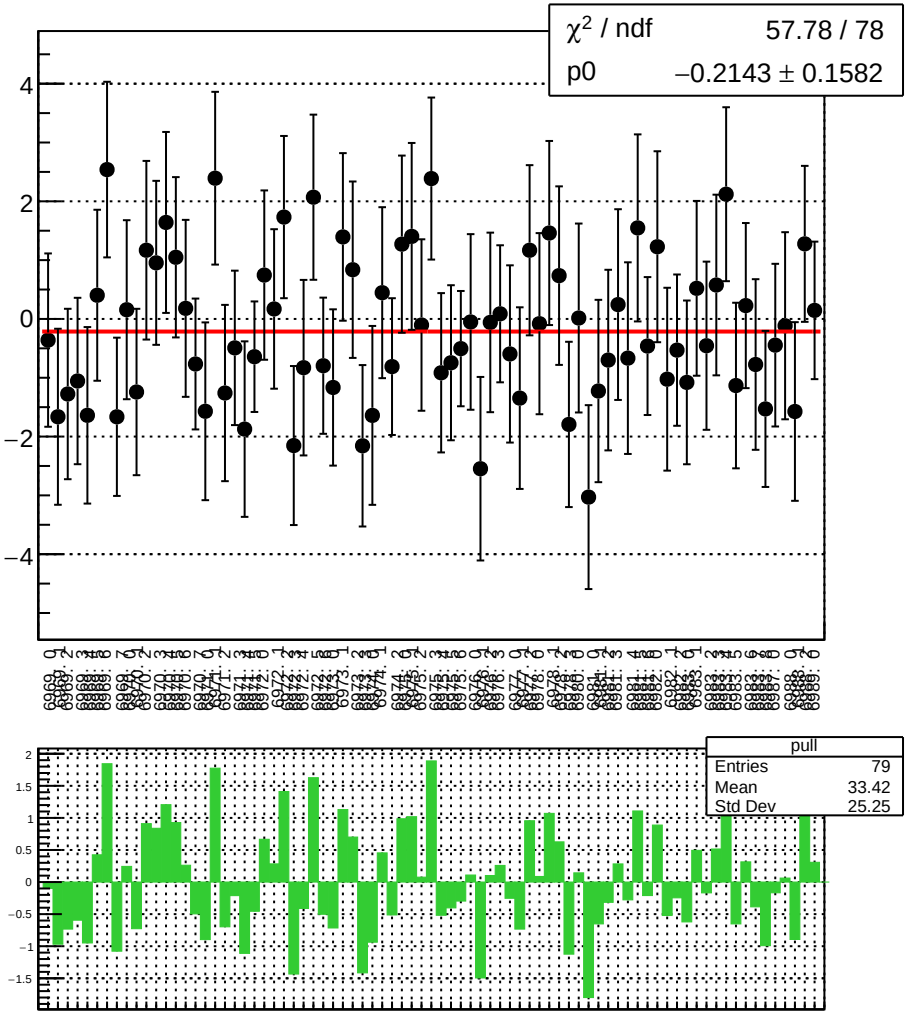

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 64.46 / 78
p0 0.1684 ± 0.1051
pull
Entries 79
Mean −10.94
Std Dev 36.99

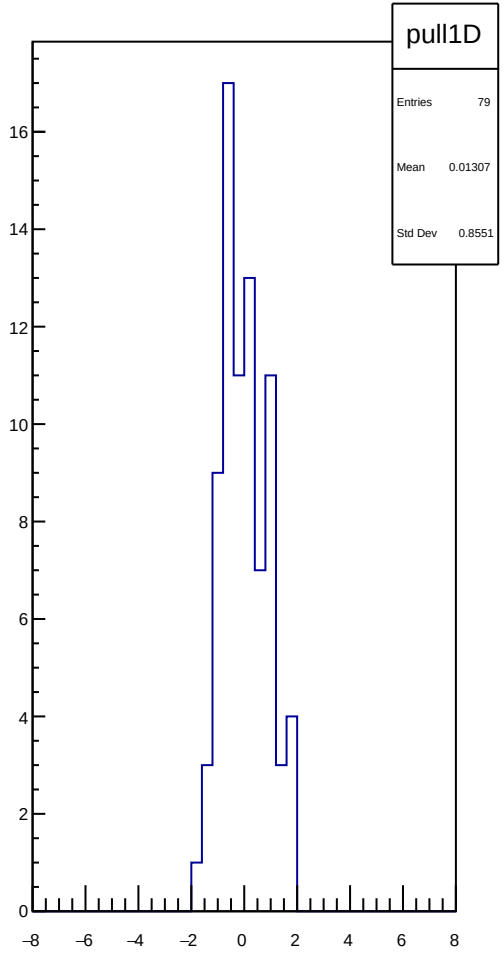

pull1D
Entries 79
Mean 0.02247
Std Dev 0.903


reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 100.7 / 78
p0 0.07431 ± 0.09331
pull
Entries 79
Mean 80.15
Std Dev 23.3
pull1D
Entries 79
Mean −0.01716
Std Dev 1.129

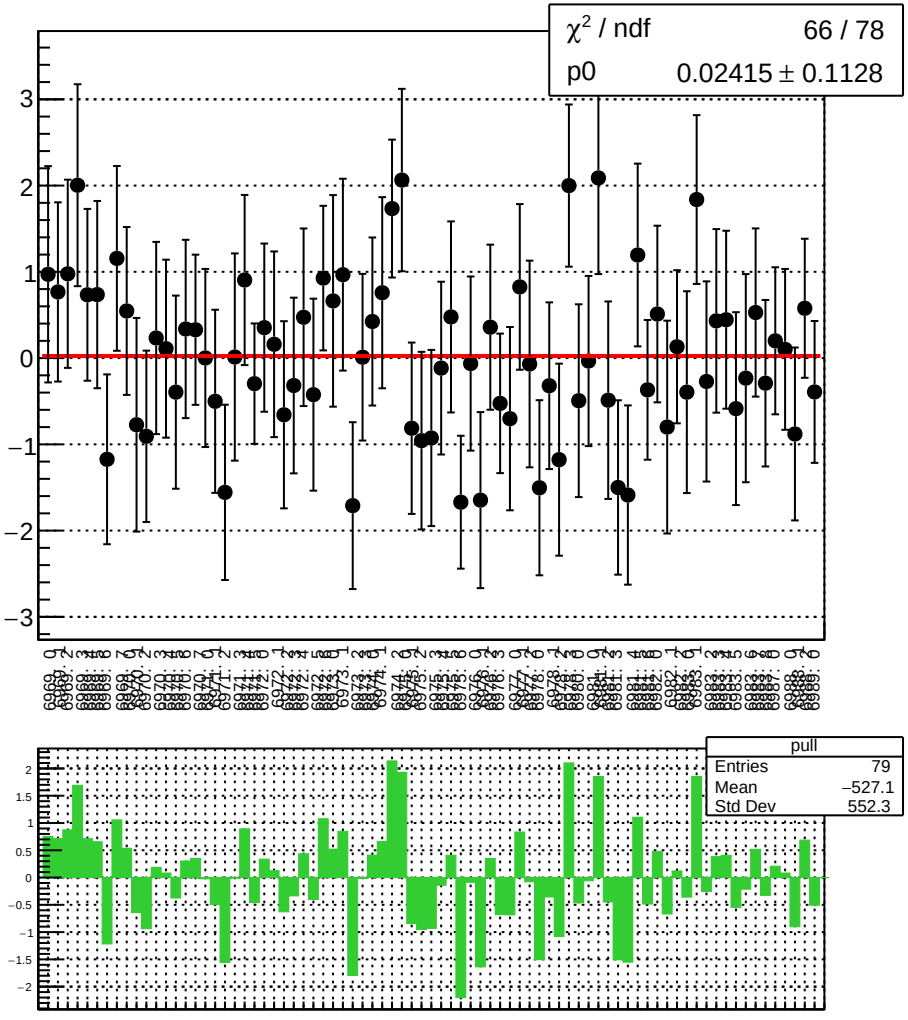

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 70.4 / 78
p0 −0.009154 ± 0.00354
pull
Entries 79
Mean 30.04
Std Dev 65.93
pull1D
Entries 79
Mean −0.01261
Std Dev 0.9439

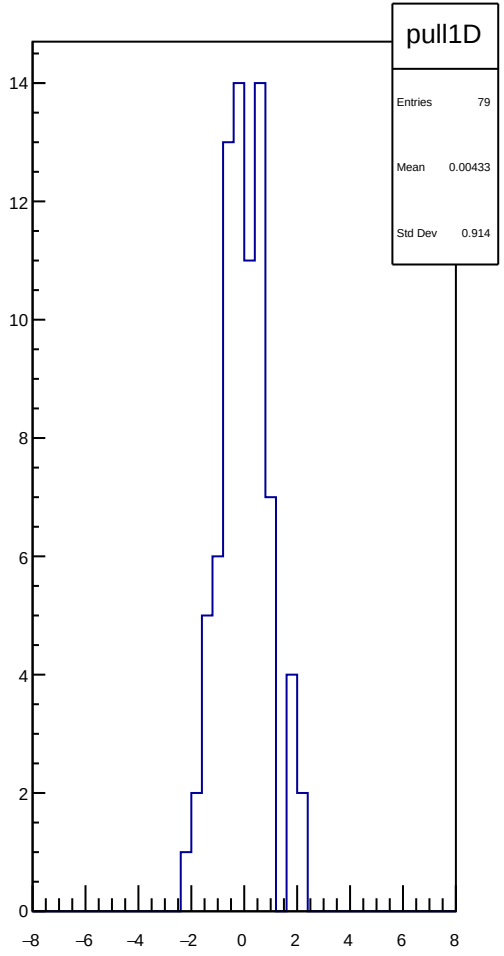
reg_asym_dsr_diff_bpm1X_slope vs run

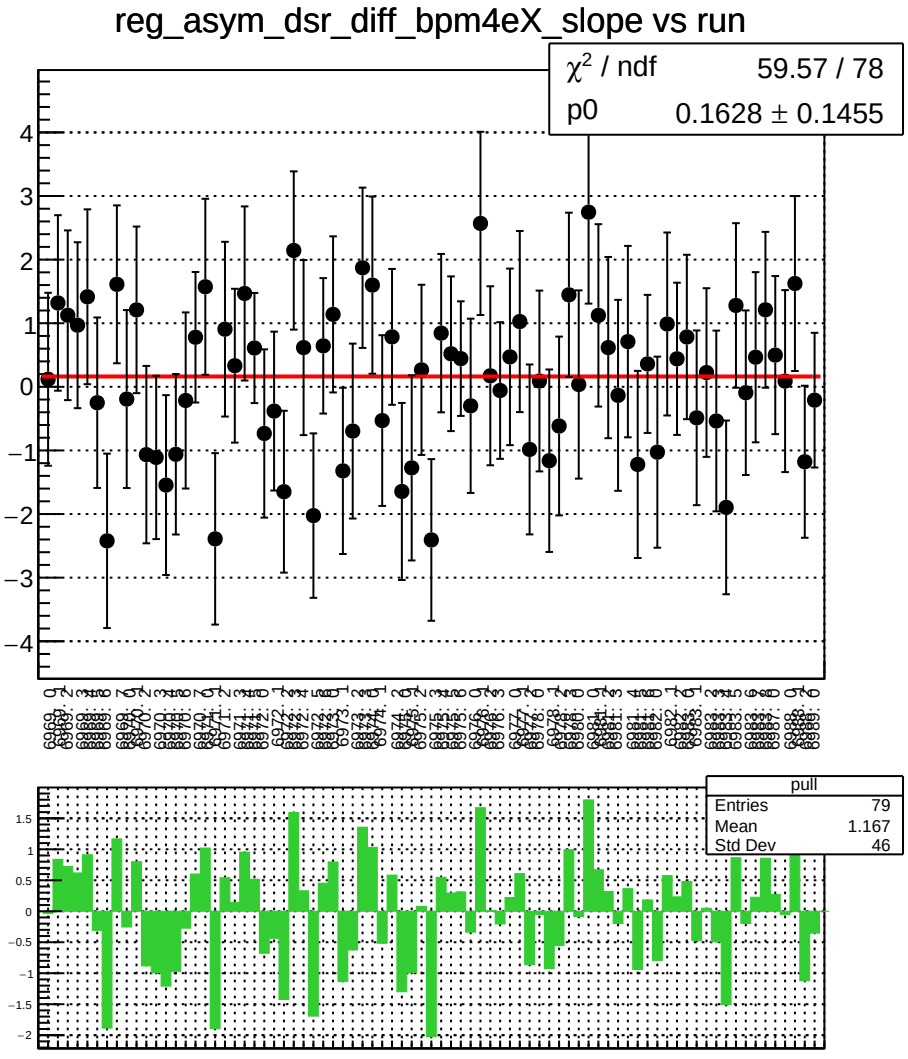


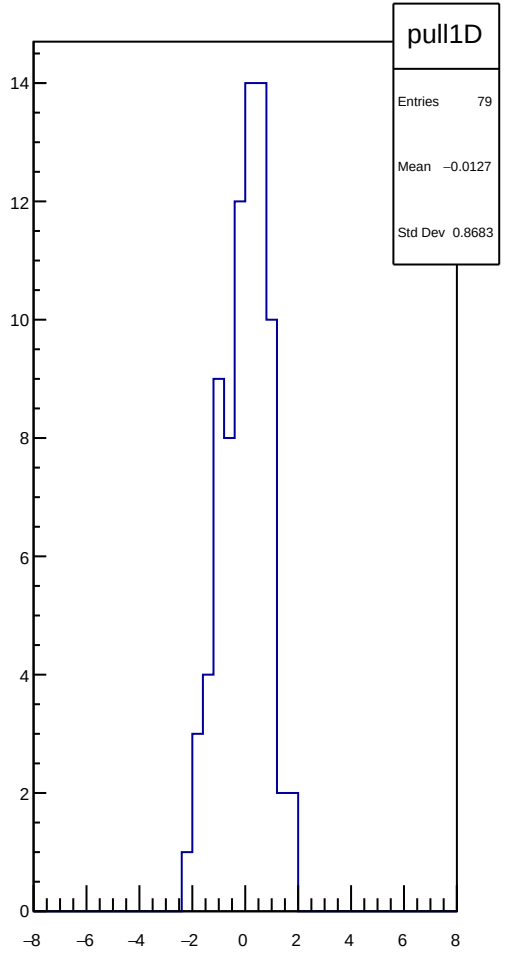


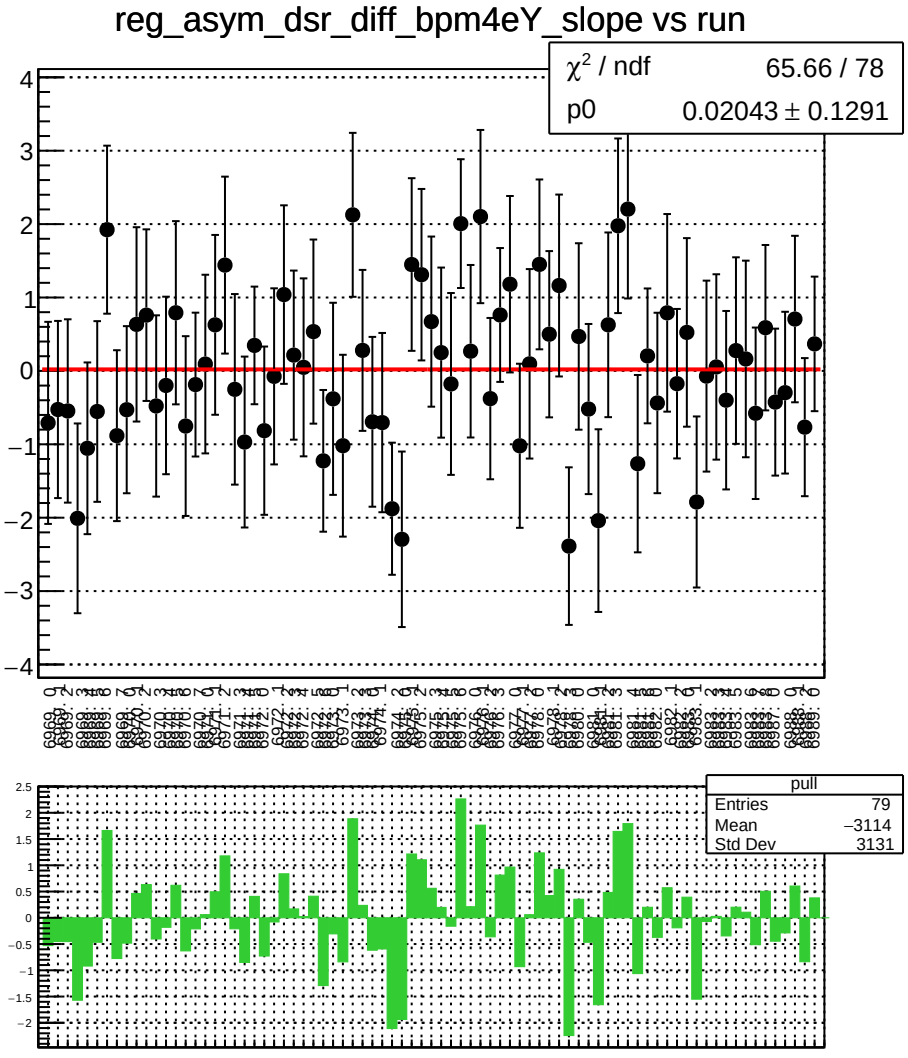
reg_asym_dsr_diff_bpm4aY_slope vs run

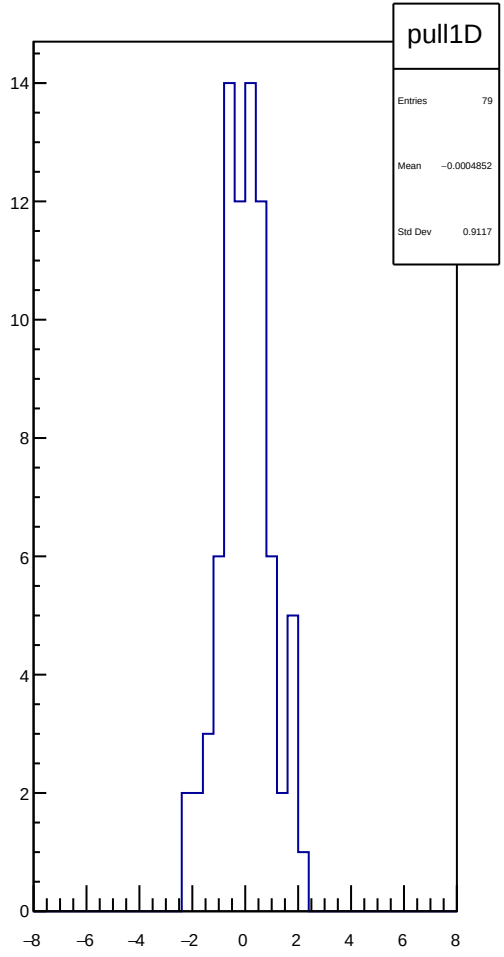


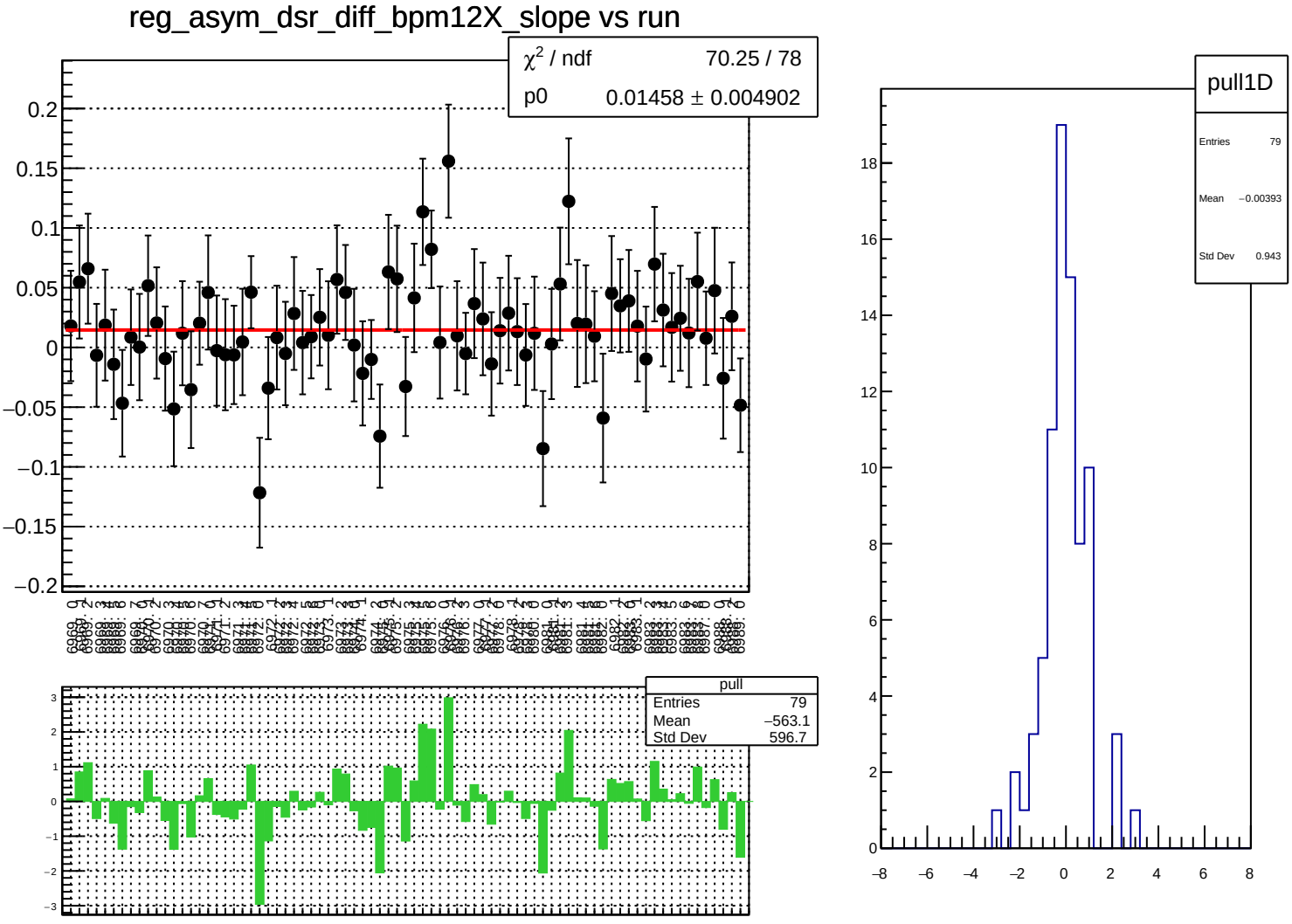


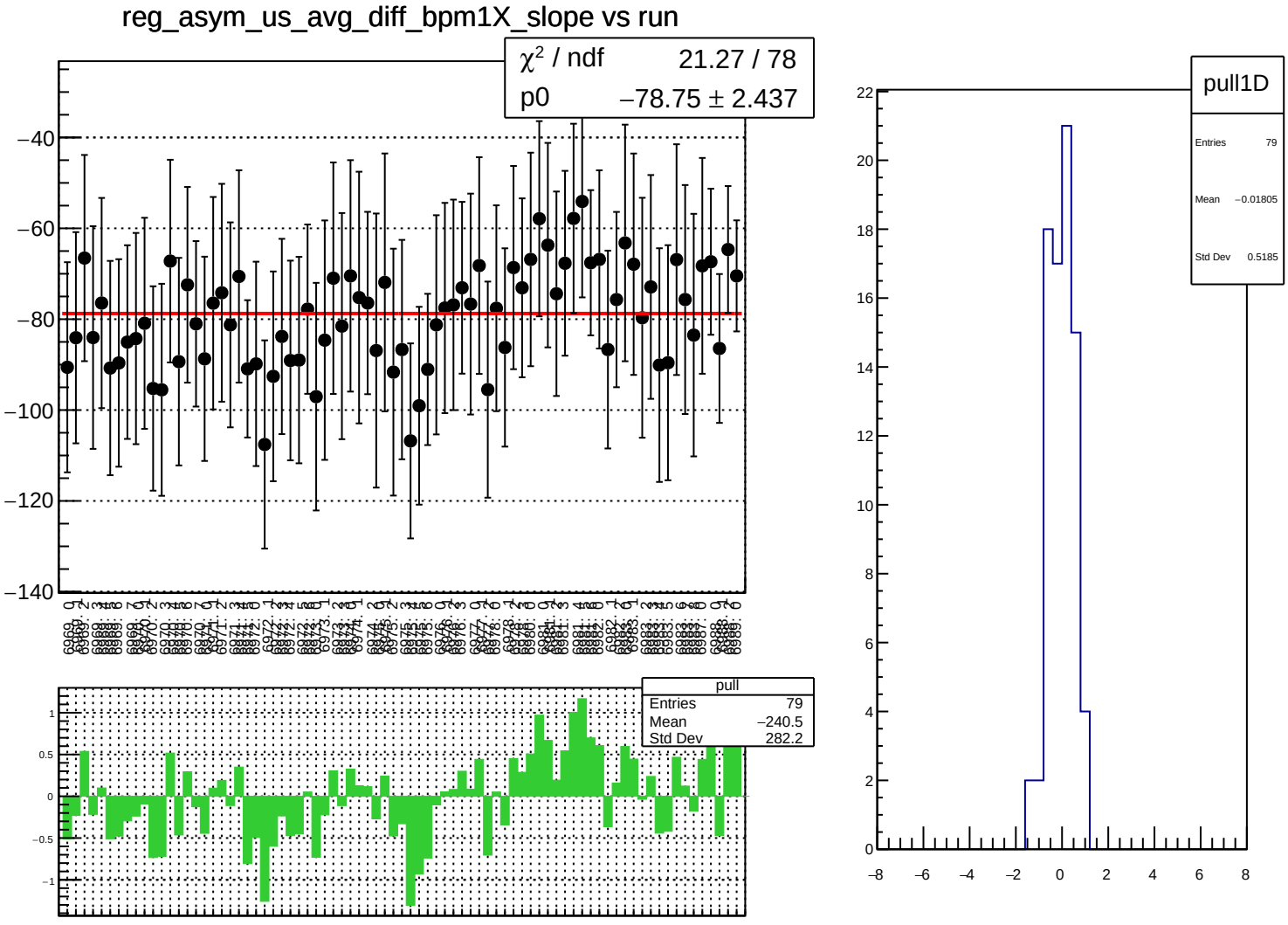

reg_asym_dsr_diff_bpm4eX_slope vs run
χ^2 / ndf 59.57 / 78
p0 0.1628 ± 0.1455
pull
Entries 79
Mean 1.167
Std Dev 46

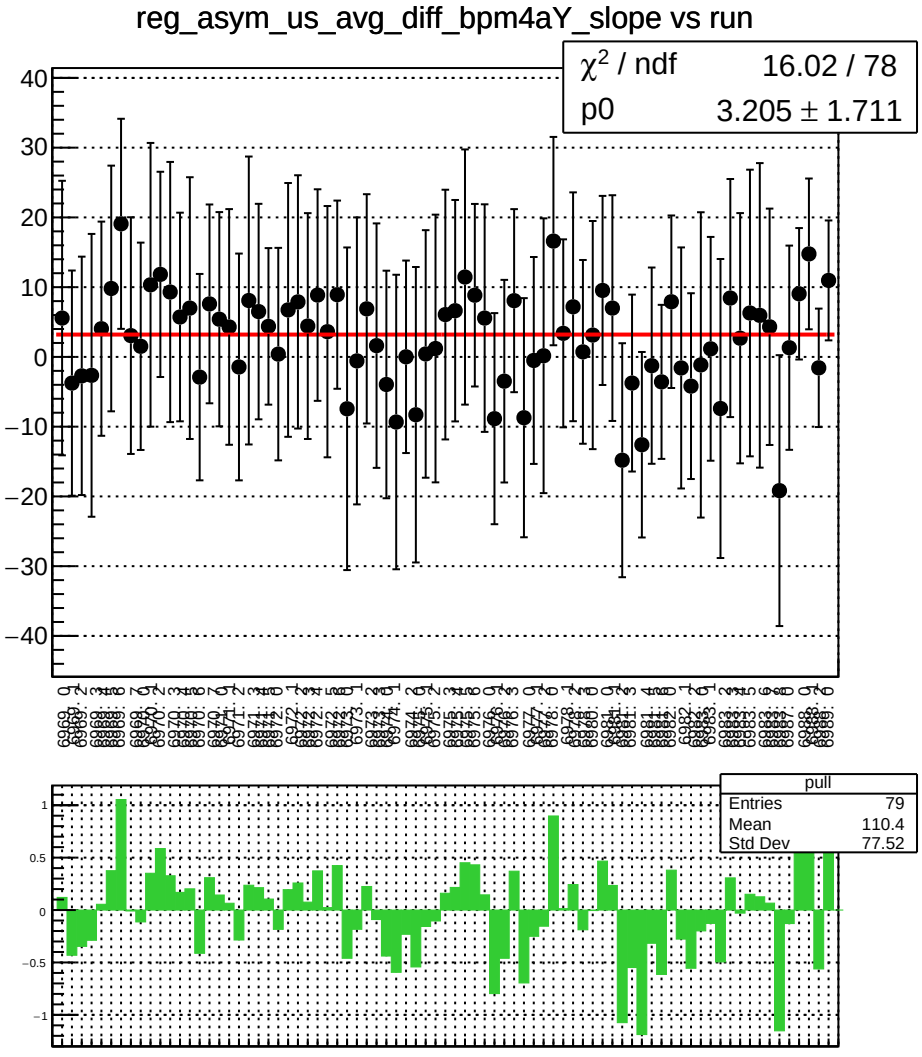

pull1D
Entries 79
Mean −0.0127
Std Dev 0.8683

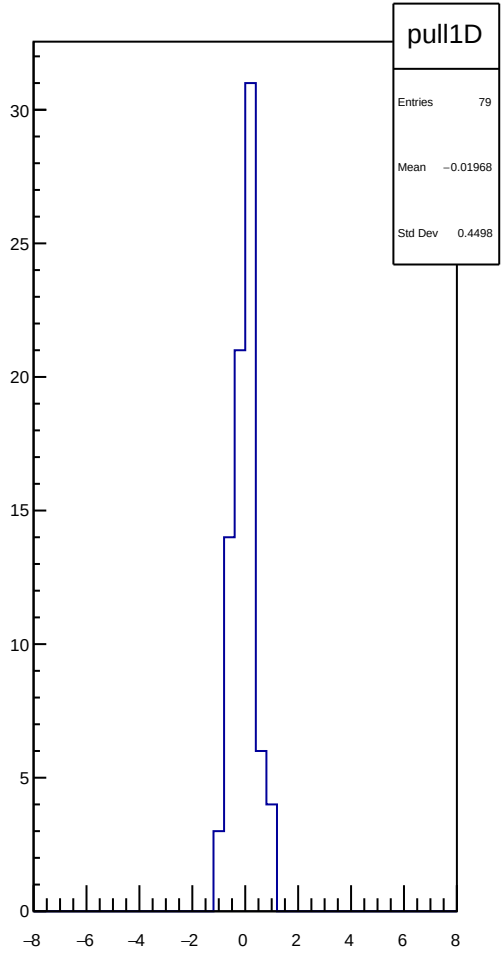

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 65.66 / 78
p0 0.02043 ± 0.1291
pull
Entries 79
Mean −3114
Std Dev 3131

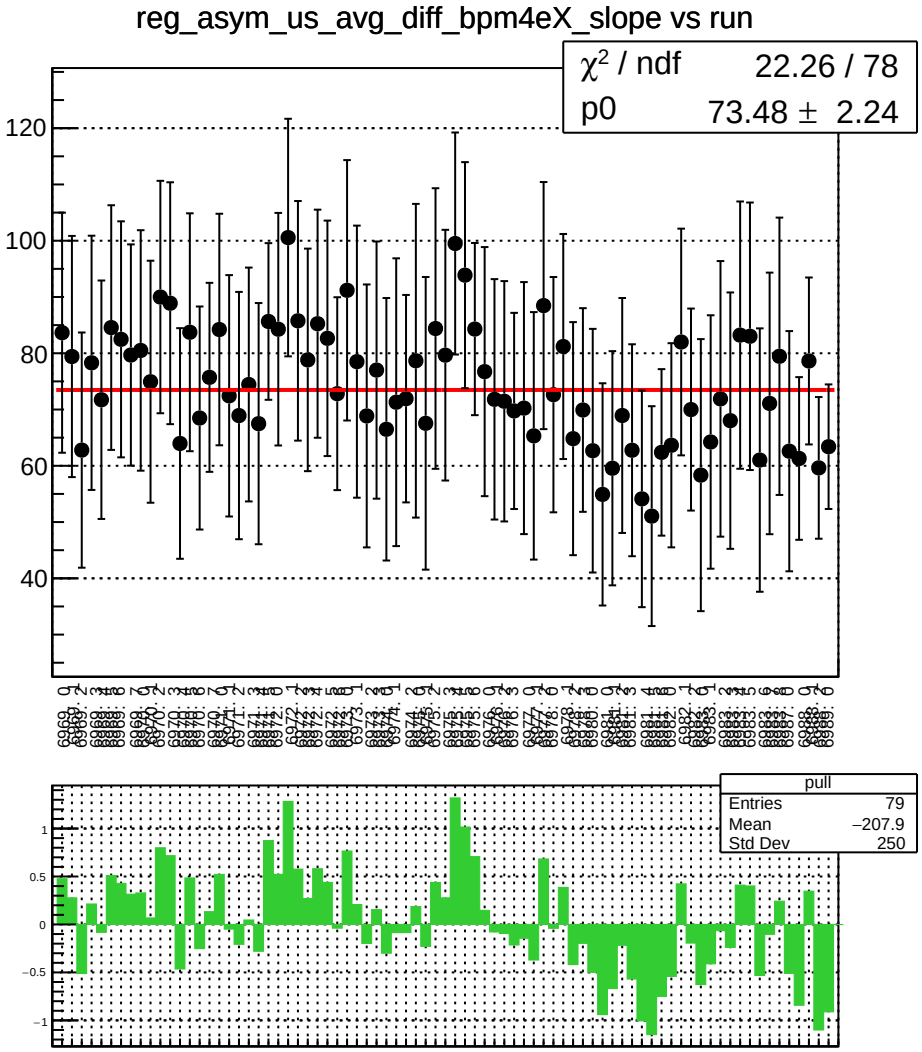

pull1D
Entries 79
Mean −0.0004852
Std Dev 0.9117

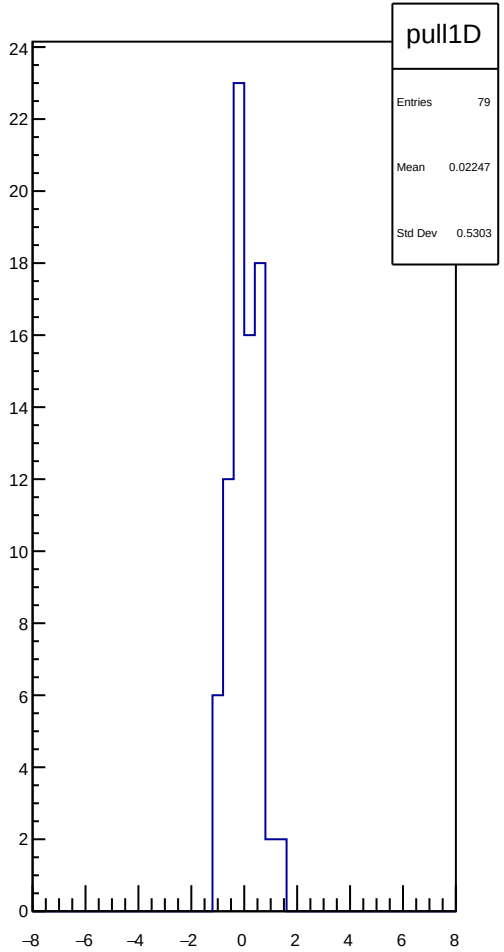

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 70.25 / 78
p0 0.01458 ± 0.004902
pull
Entries 79
Mean −563.1
Std Dev 596.7
pull1D
Entries 79
Mean −0.00393
Std Dev 0.943

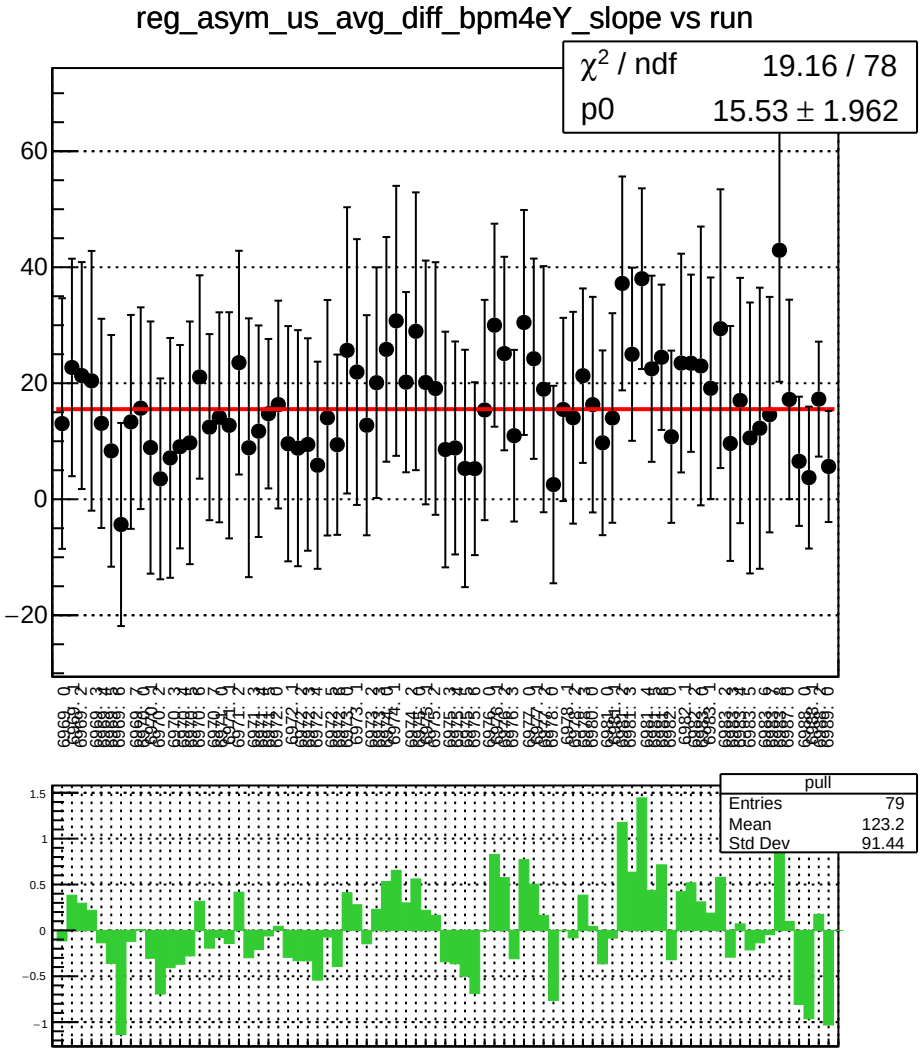

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 21.27 / 78
p0 −78.75 ± 2.437
pull
Entries 79
Mean −240.5
Std Dev 282.2
pull1D
Entries 79
Mean −0.01805
Std Dev 0.5185

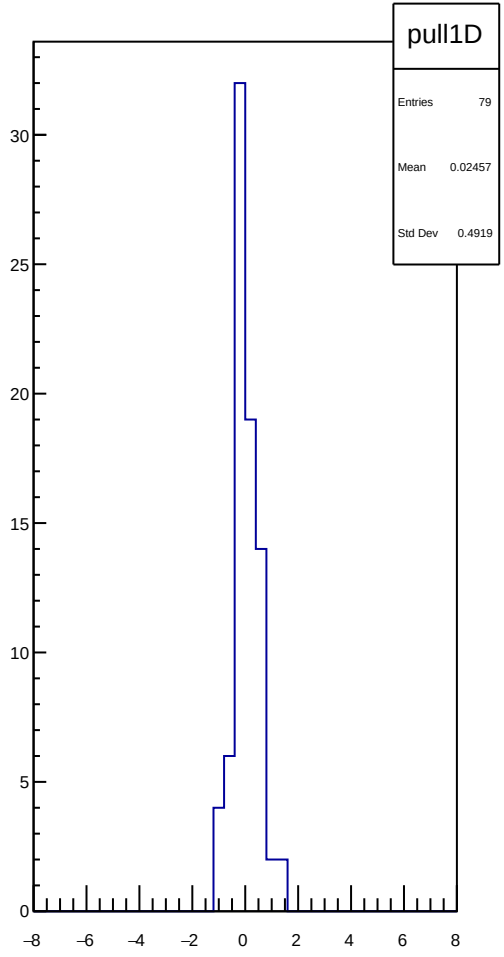

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 16.02 / 78
p0 3.205 ± 1.711
pull
Entries 79
Mean 110.4
Std Dev 77.52

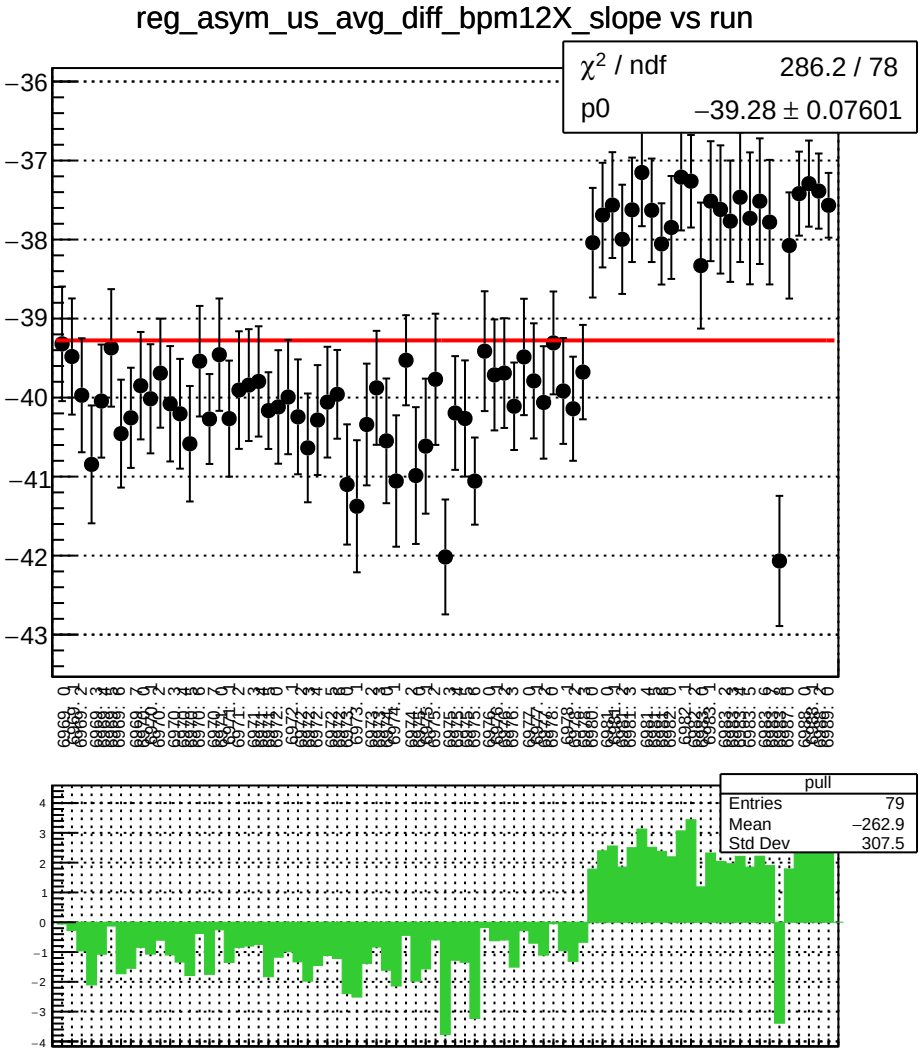

pull1D
Entries 79
Mean −0.01968
Std Dev 0.4498

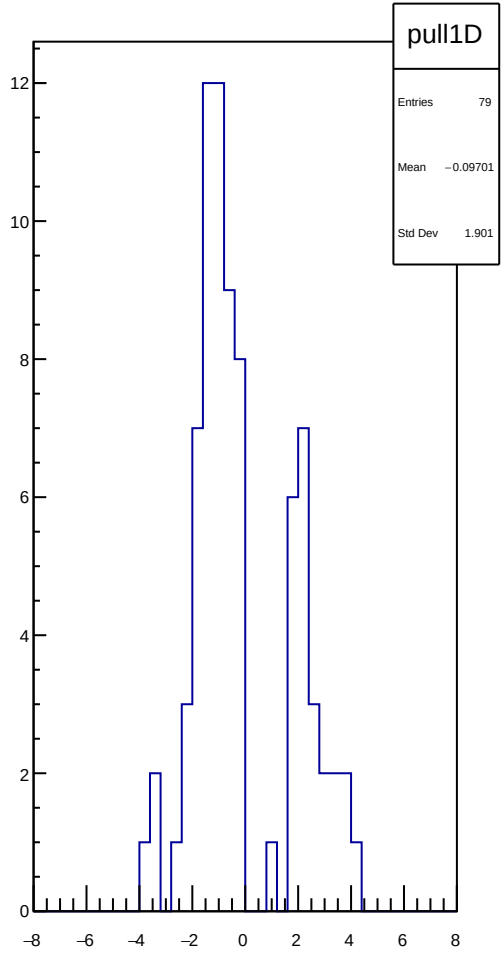

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 22.26 / 78
p0 73.48 ± 2.24
pull
Entries 79
Mean −207.9
Std Dev 250

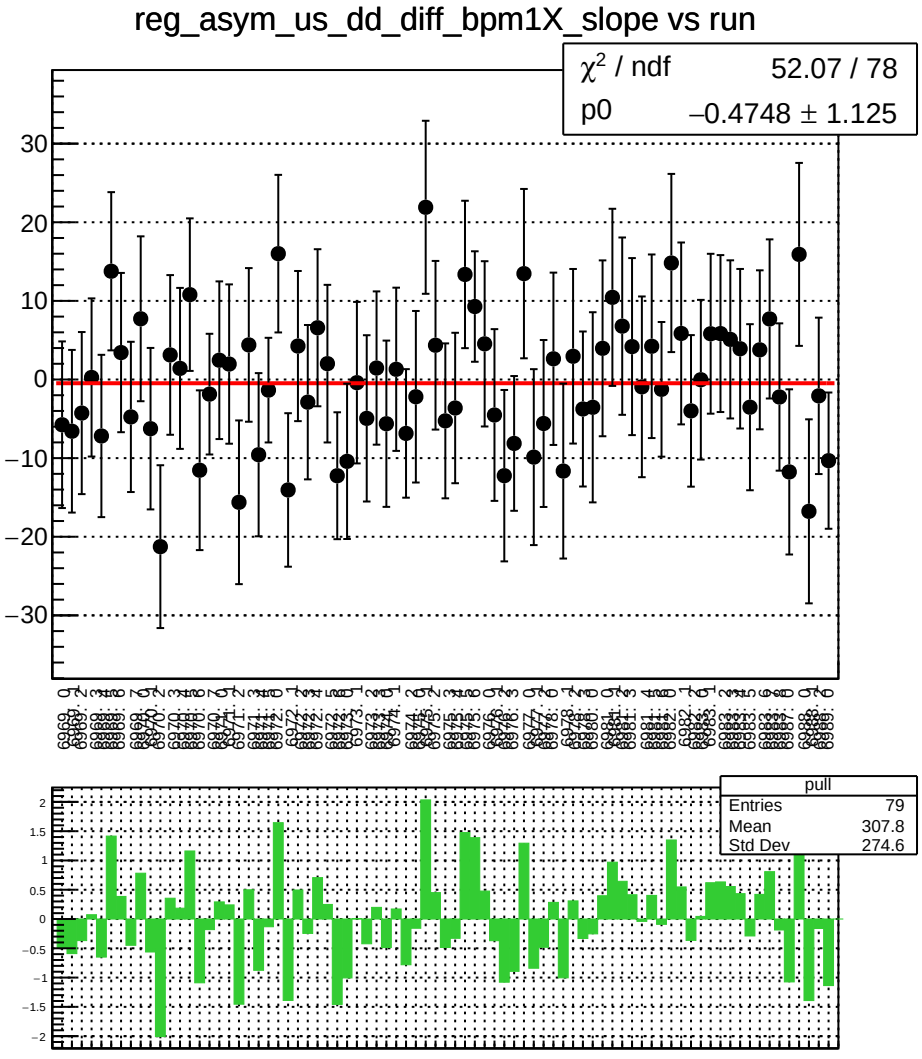

pull1D
Entries 79
Mean 0.02247
Std Dev 0.5303

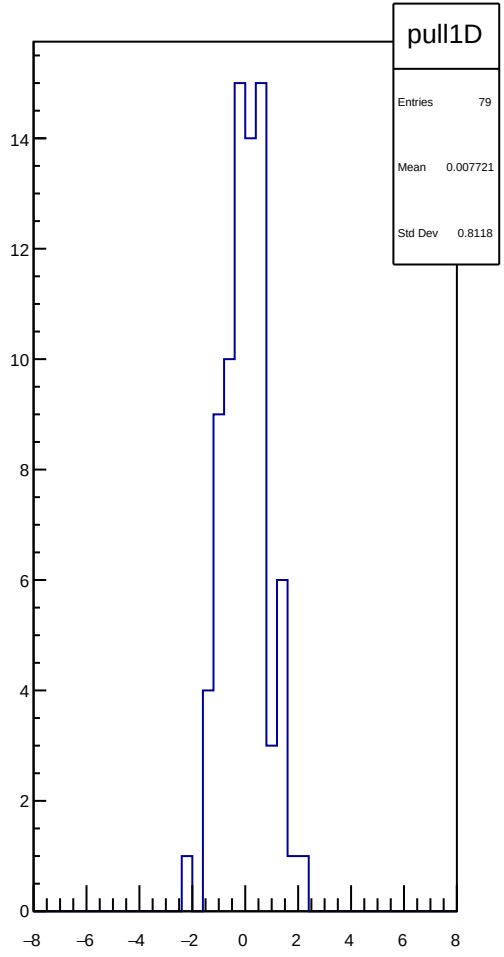

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 19.16 / 78
p0 15.53 ± 1.962
pull
Entries 79
Mean 123.2
Std Dev 91.44

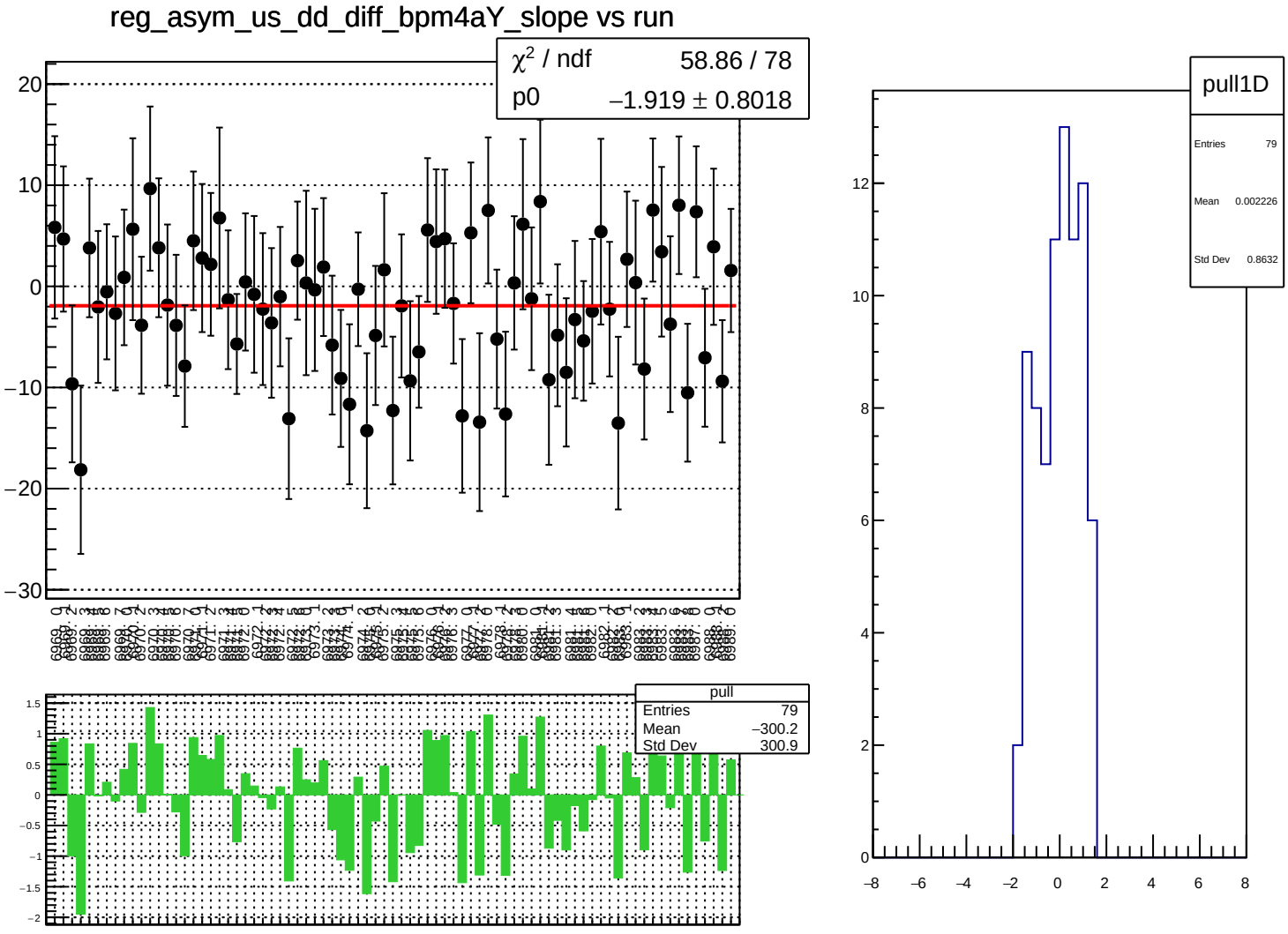

pull1D
Entries 79
Mean 0.02457
Std Dev 0.4919

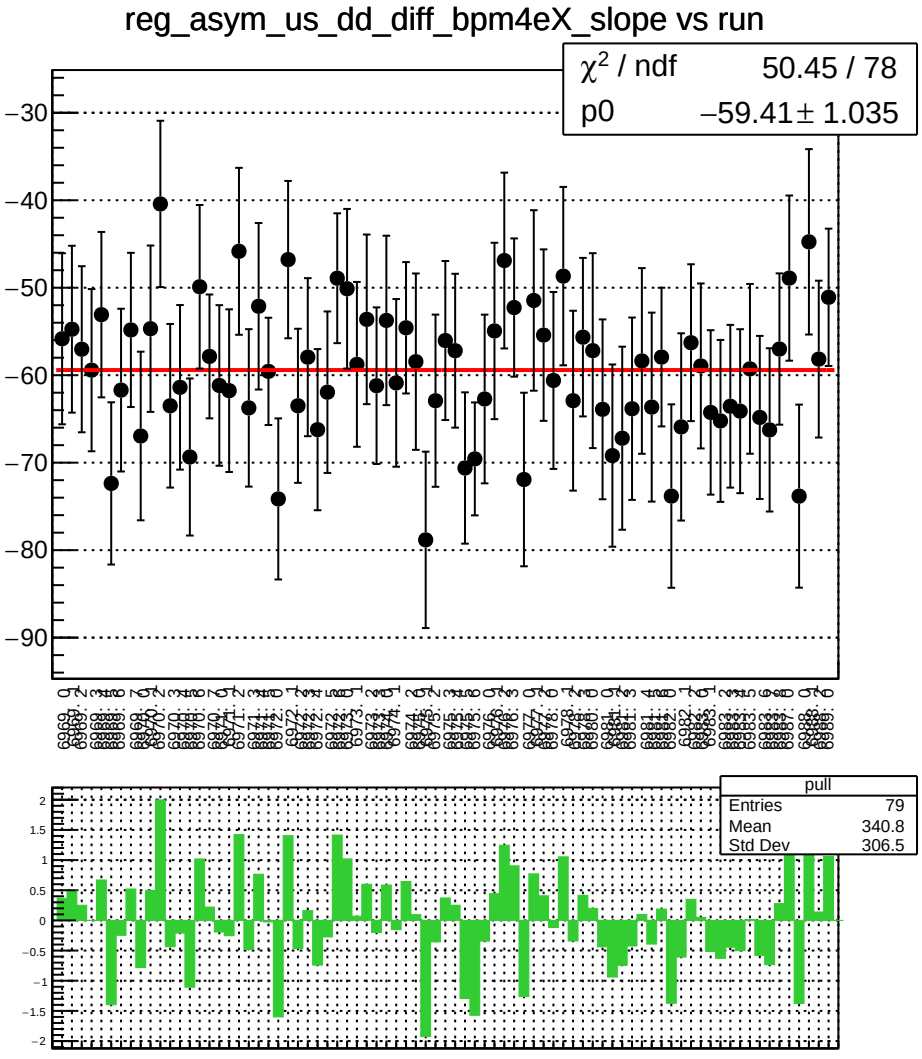

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 286.2 / 78
p0 −39.28 ± 0.07601
pull
Entries 79
Mean −262.9
Std Dev 307.5

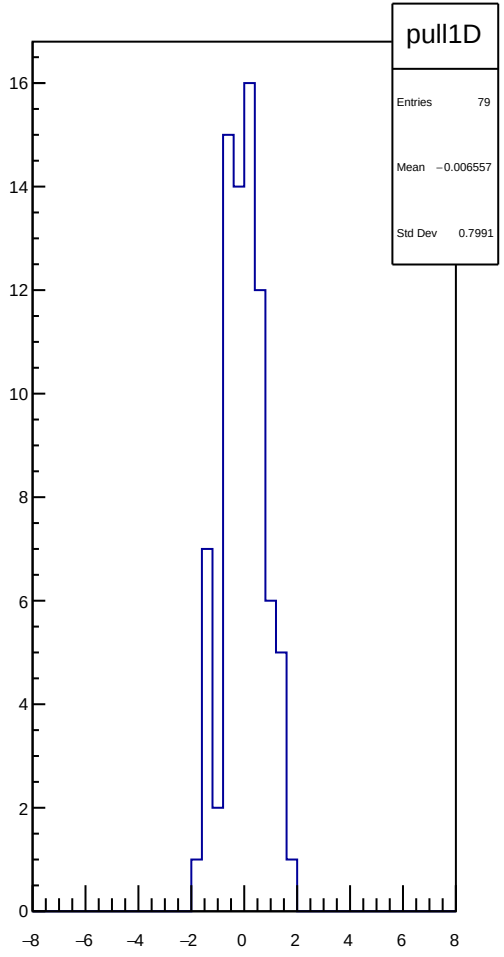

pull1D
Entries 79
Mean −0.09701
Std Dev 1.901

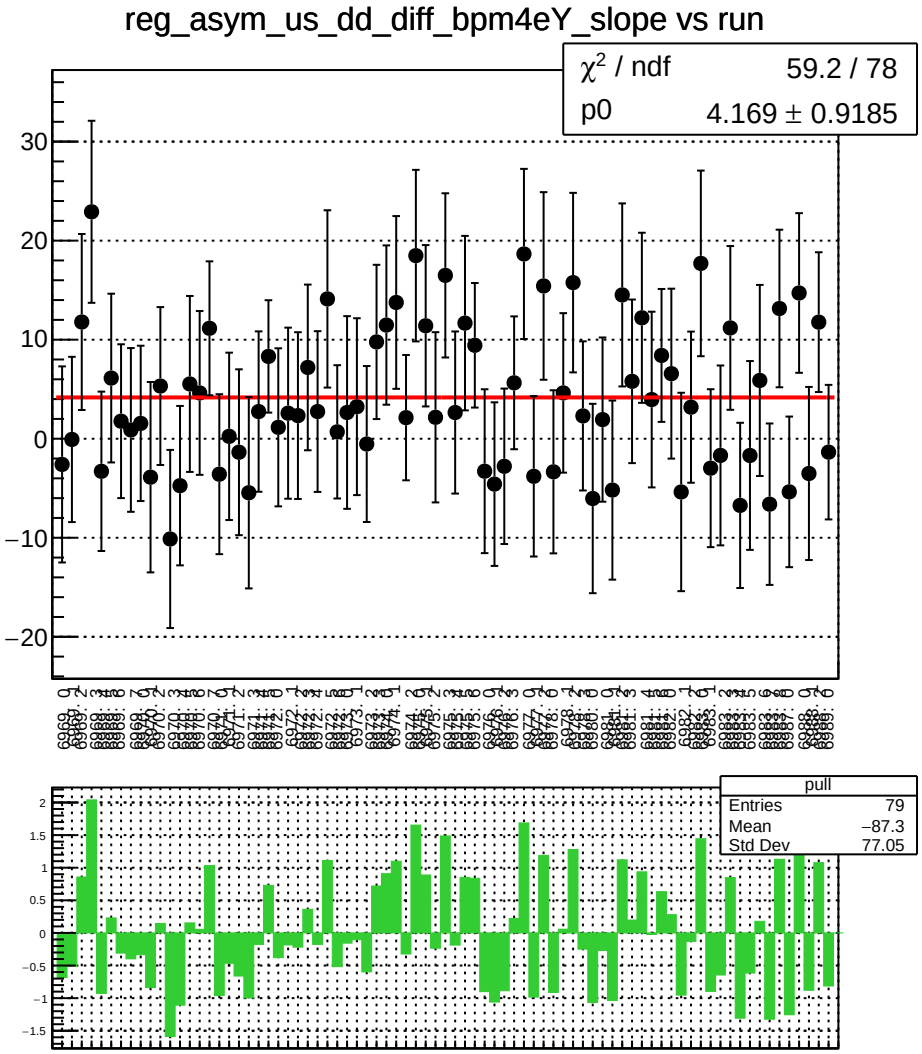

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 52.07 / 78
p0 −0.4748 ± 1.125
pull
Entries 79
Mean 307.8
Std Dev 274.6

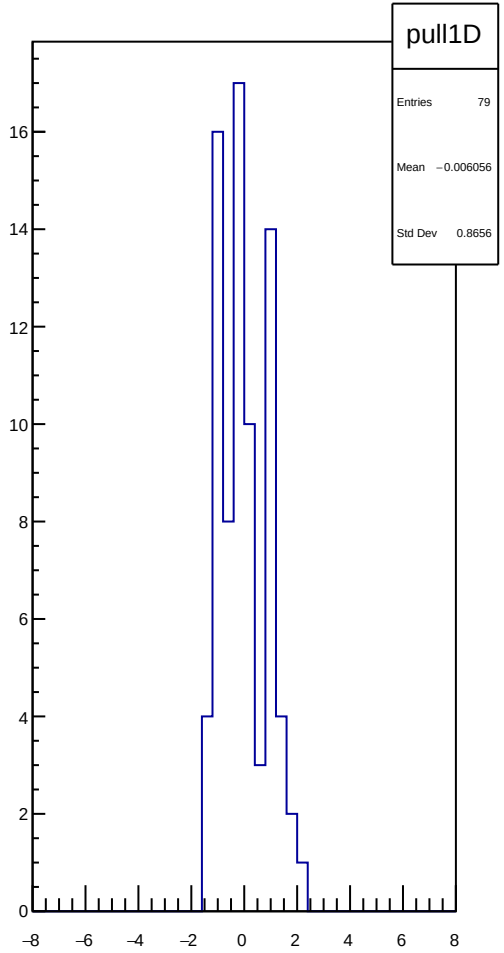

pull1D
Entries 79
Mean 0.007721
Std Dev 0.8118

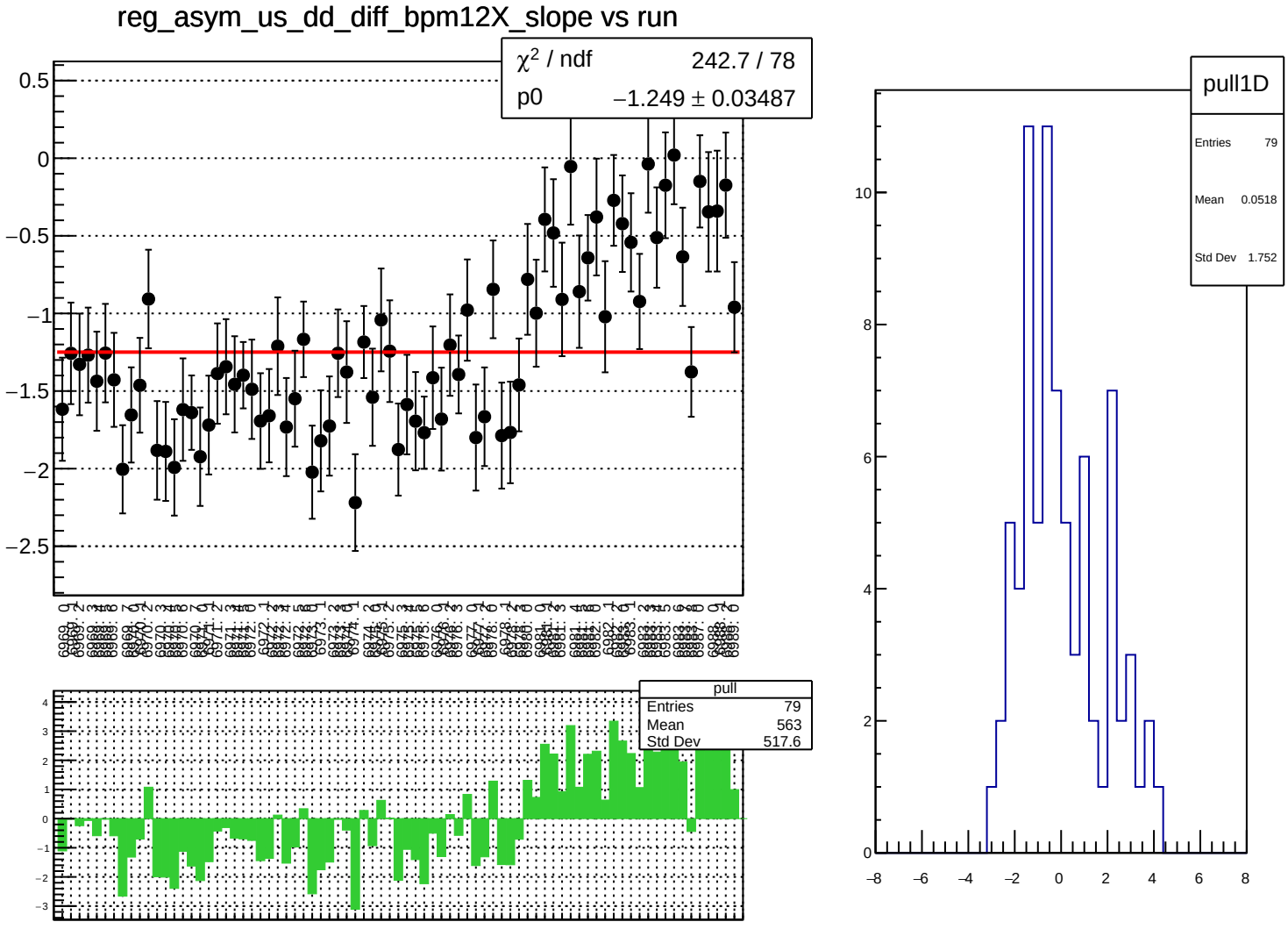

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 58.86 / 78
p0 −1.919 ± 0.8018
pull
Entries 79
Mean −300.2
Std Dev 300.9
pull1D
Entries 79
Mean 0.002226
Std Dev 0.8632

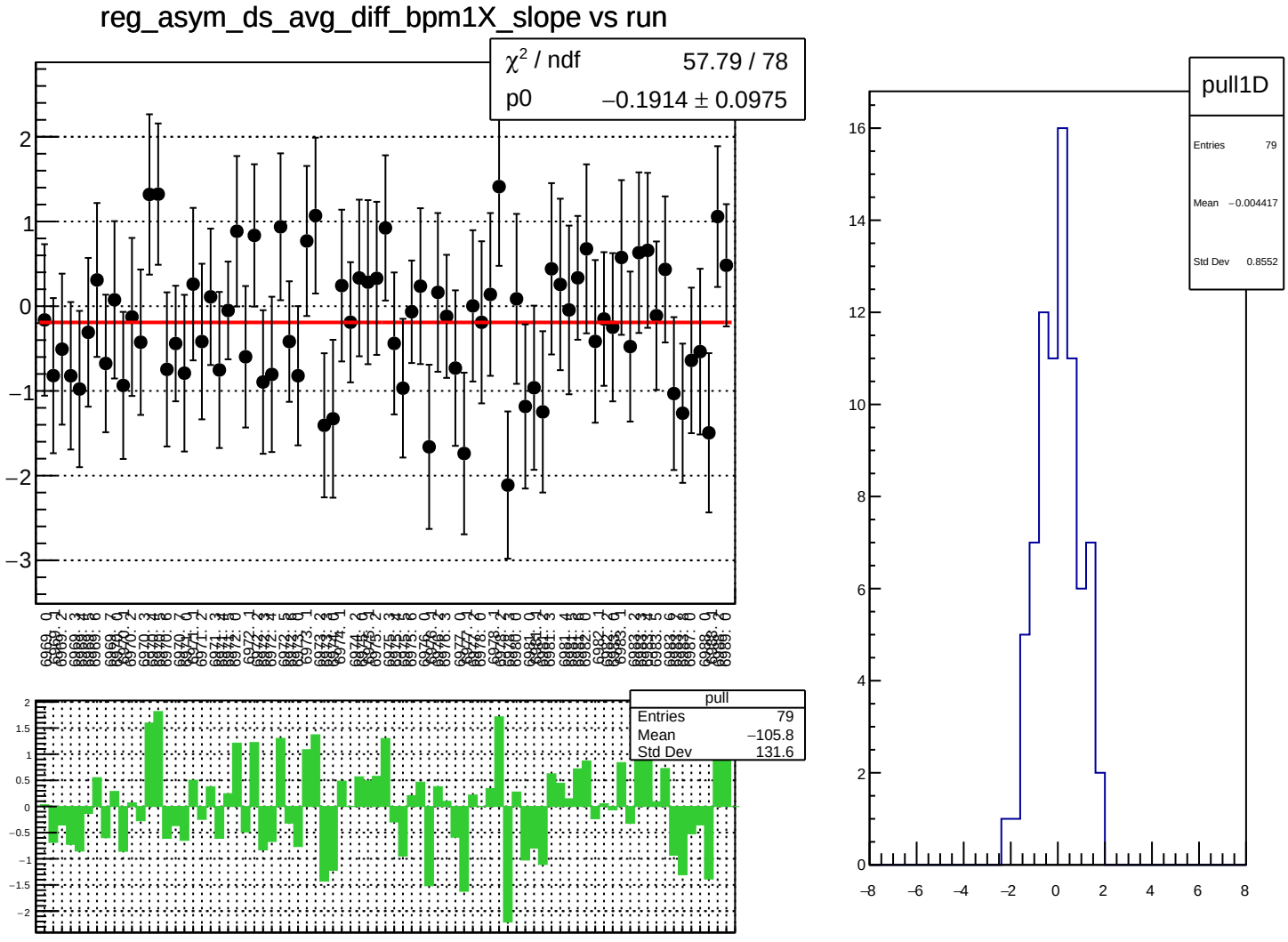

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 50.45 / 78
p0 −59.41 ± 1.035
pull
Entries 79
Mean 340.8
Std Dev 306.5

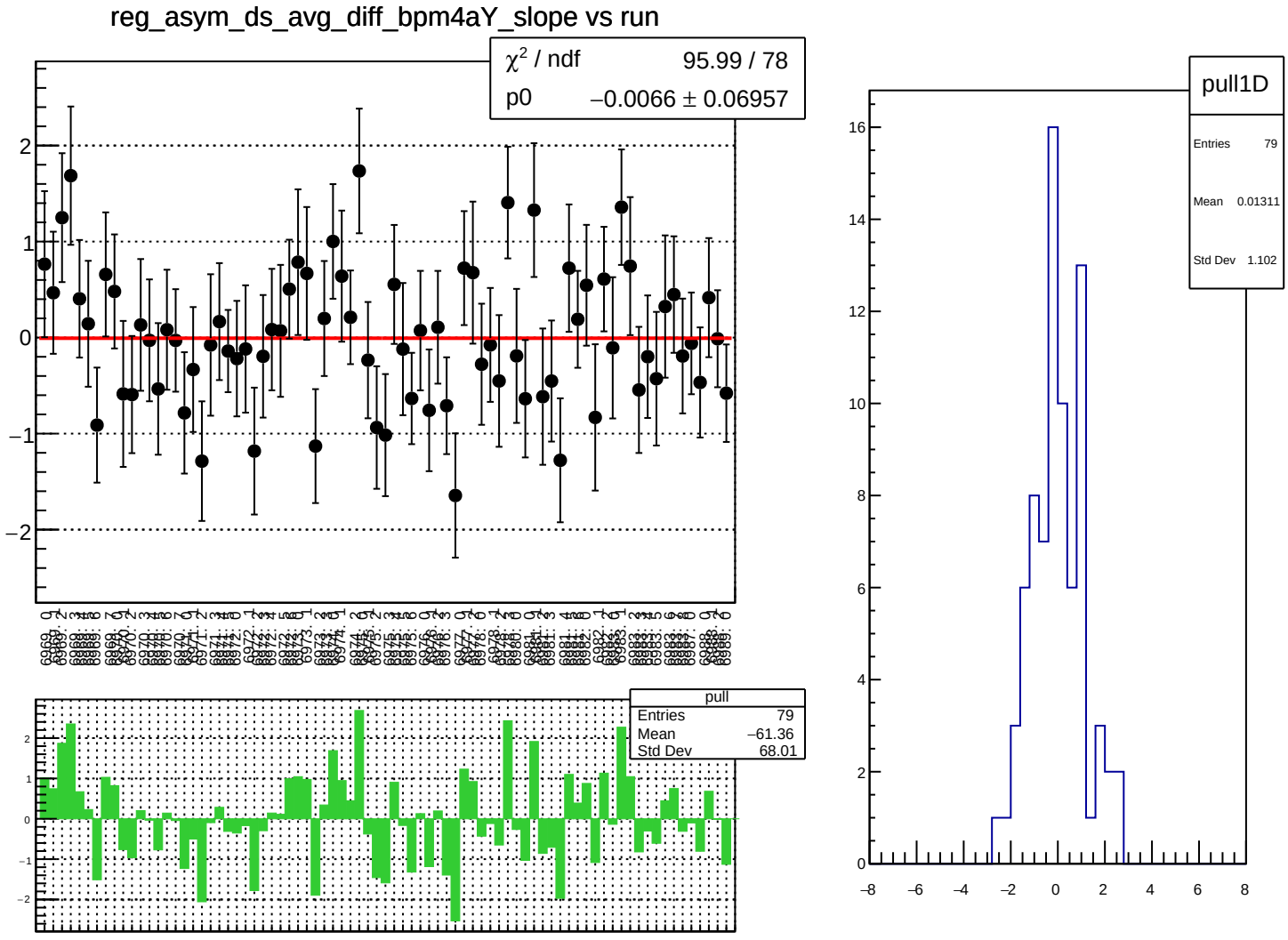

pull1D
Entries 79
Mean −0.006557
Std Dev 0.7991

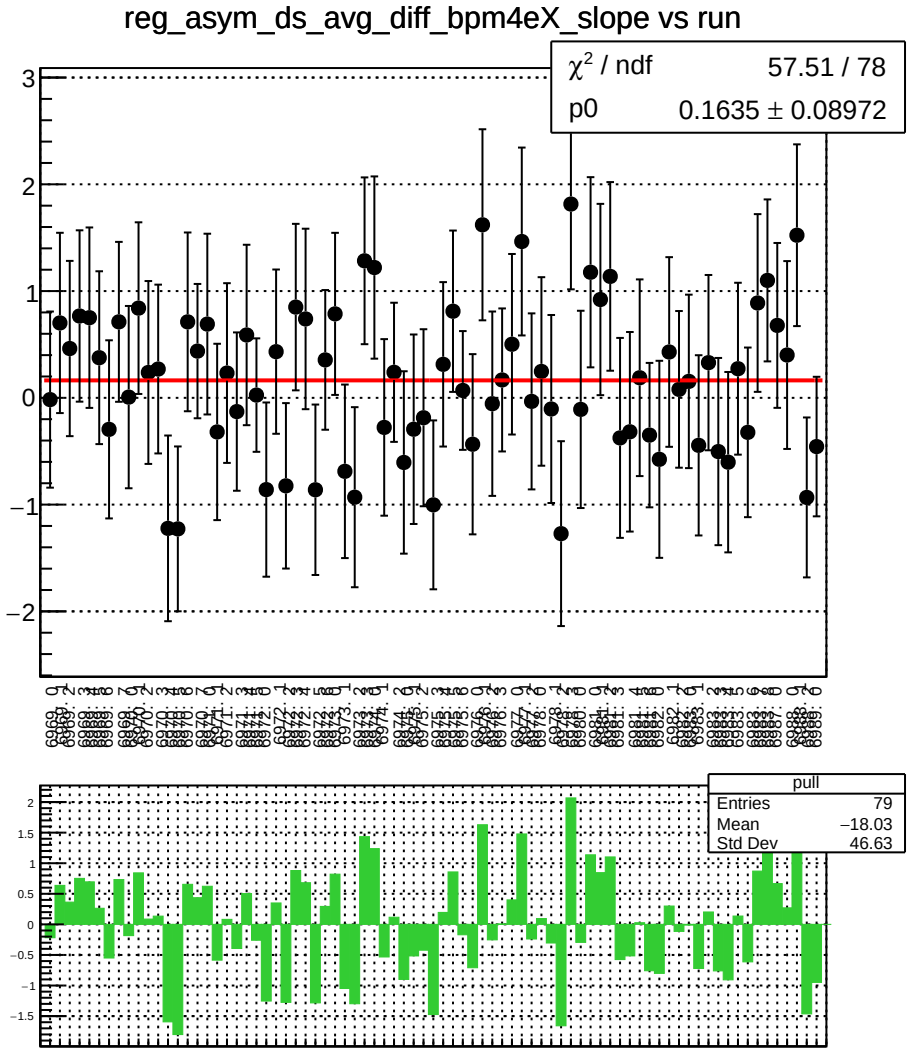

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 59.2 / 78
p0 4.169 ± 0.9185
pull
Entries 79
Mean −87.3
Std Dev 77.05

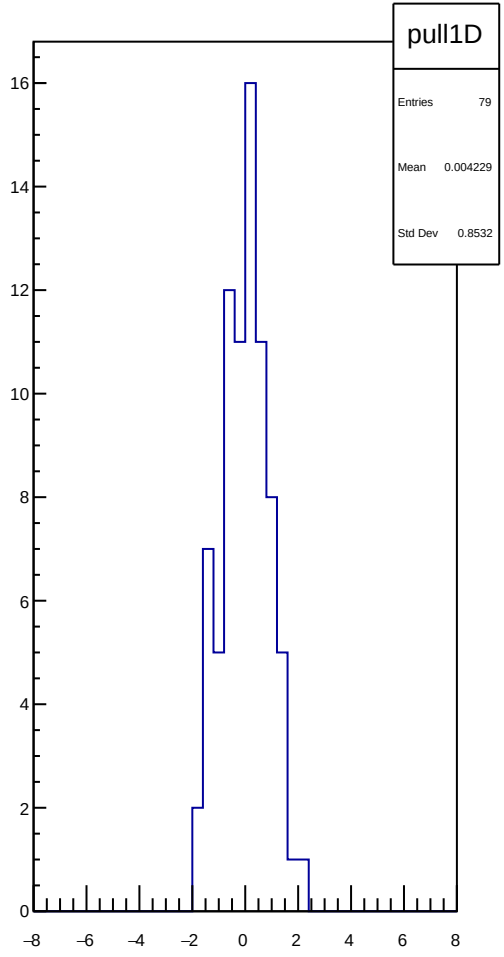

pull1D
Entries 79
Mean −0.006056
Std Dev 0.8656

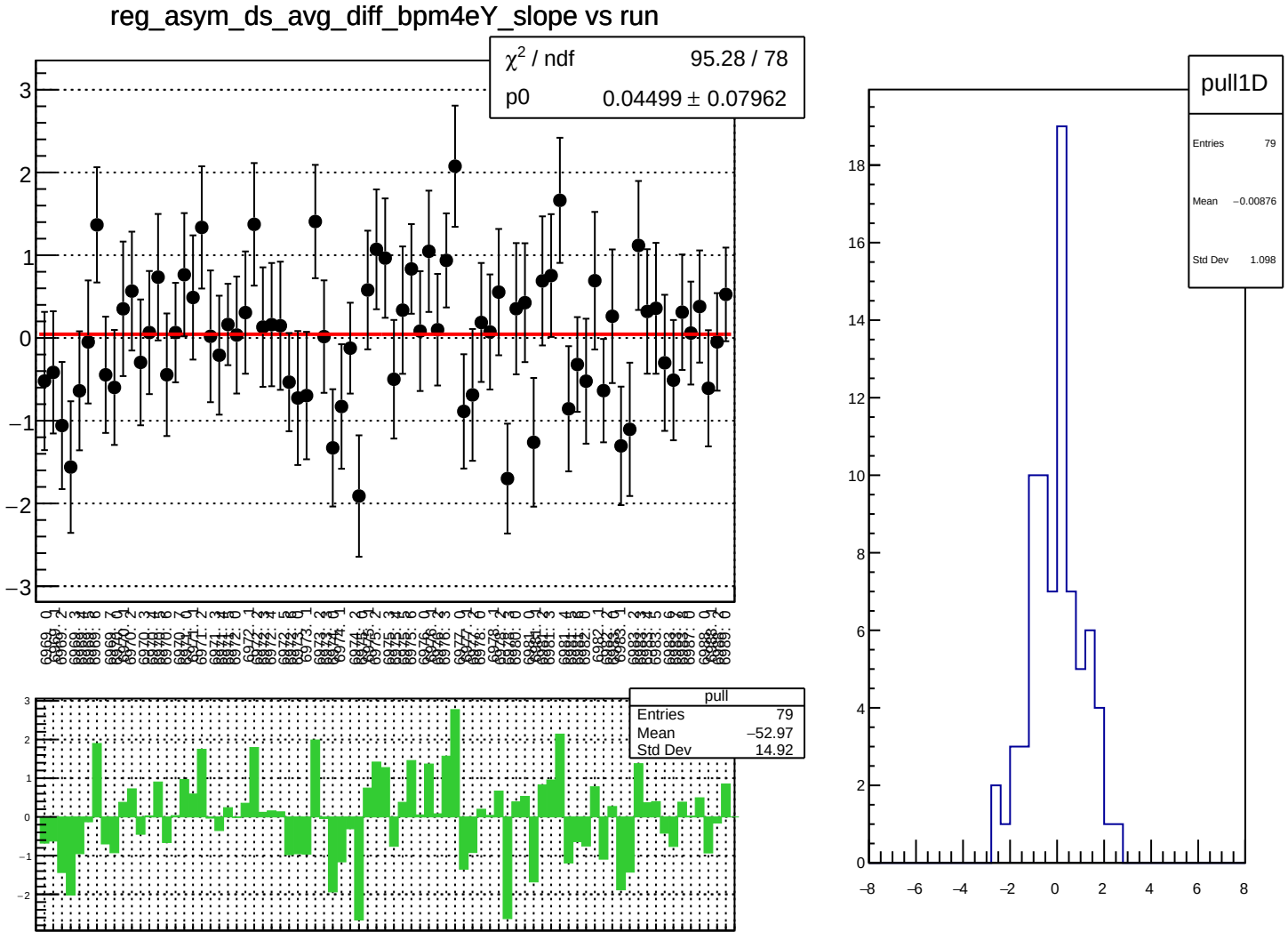

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 242.7 / 78
p0 −1.249 ± 0.03487
pull
Entries 79
Mean 563
Std Dev 517.6
pull1D
Entries 79
Mean 0.0518
Std Dev 1.752

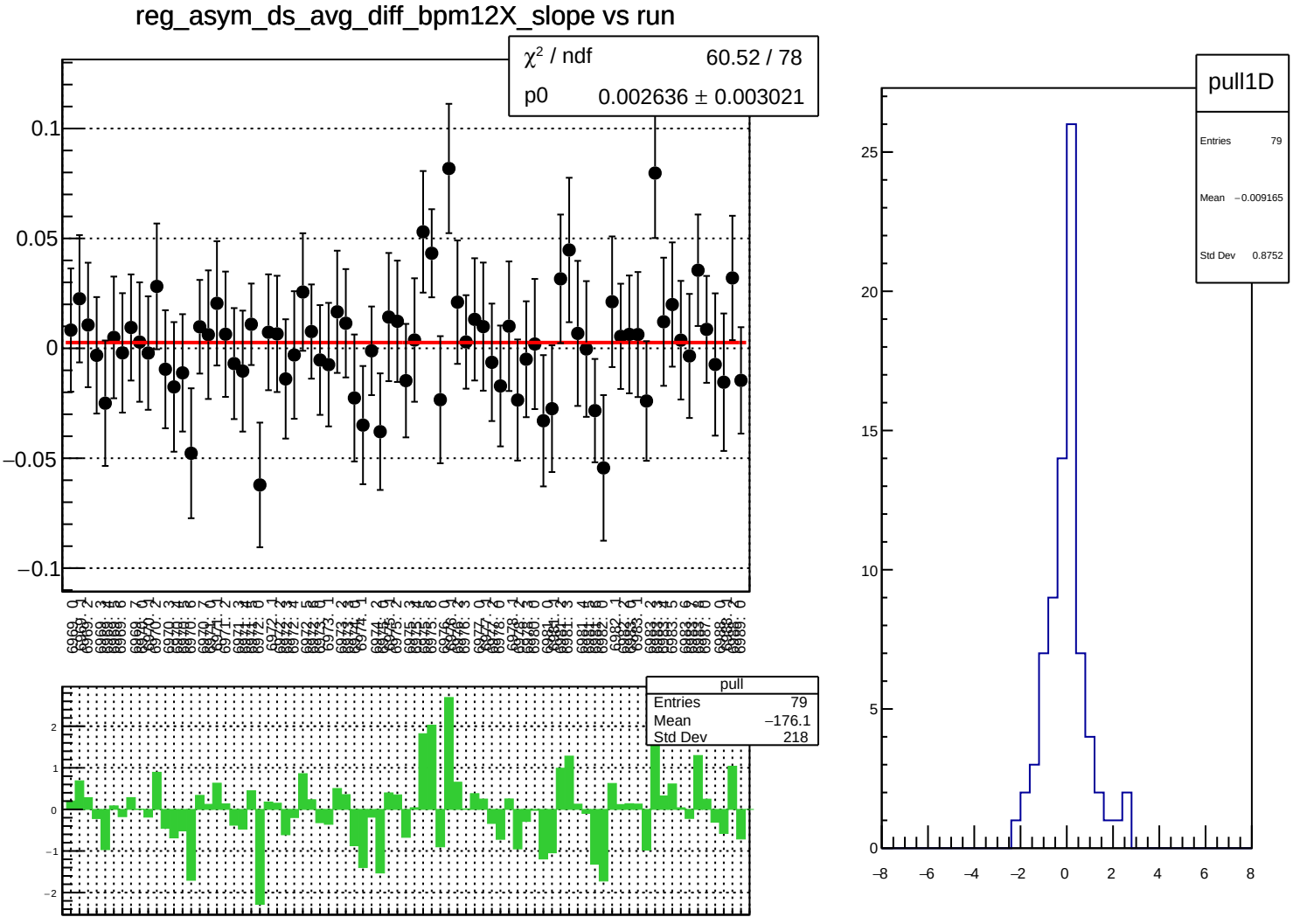

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ^2 / ndf 57.79 / 78
p0 −0.1914 ± 0.0975
pull
Entries 79
Mean −105.8
Std Dev 131.6
pull1D
Entries 79
Mean −0.004417
Std Dev 0.8552

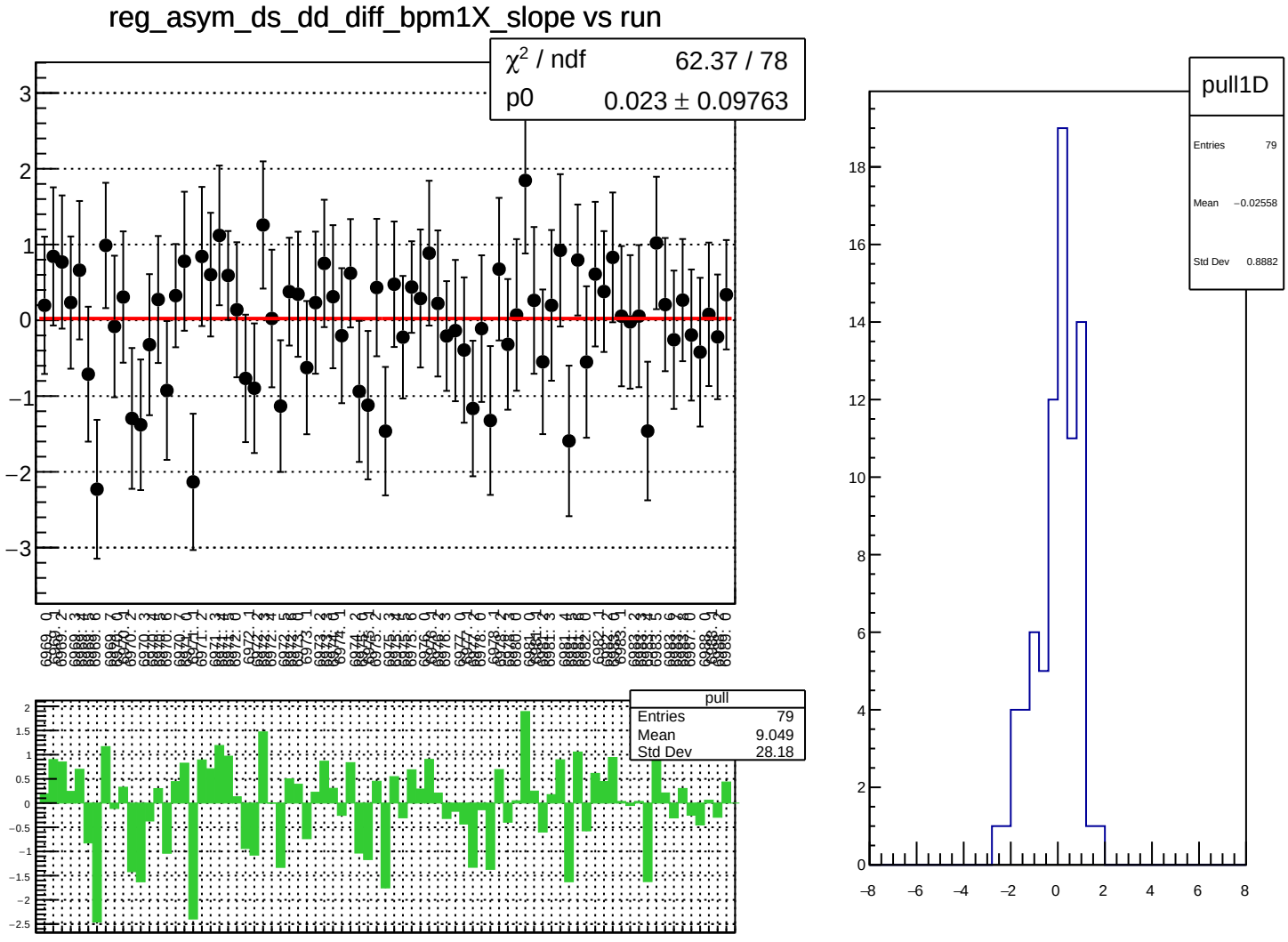

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 95.99 / 78
p0 −0.0066 ± 0.06957
pull
Entries 79
Mean −61.36
Std Dev 68.01
pull1D
Entries 79
Mean 0.01311
Std Dev 1.102

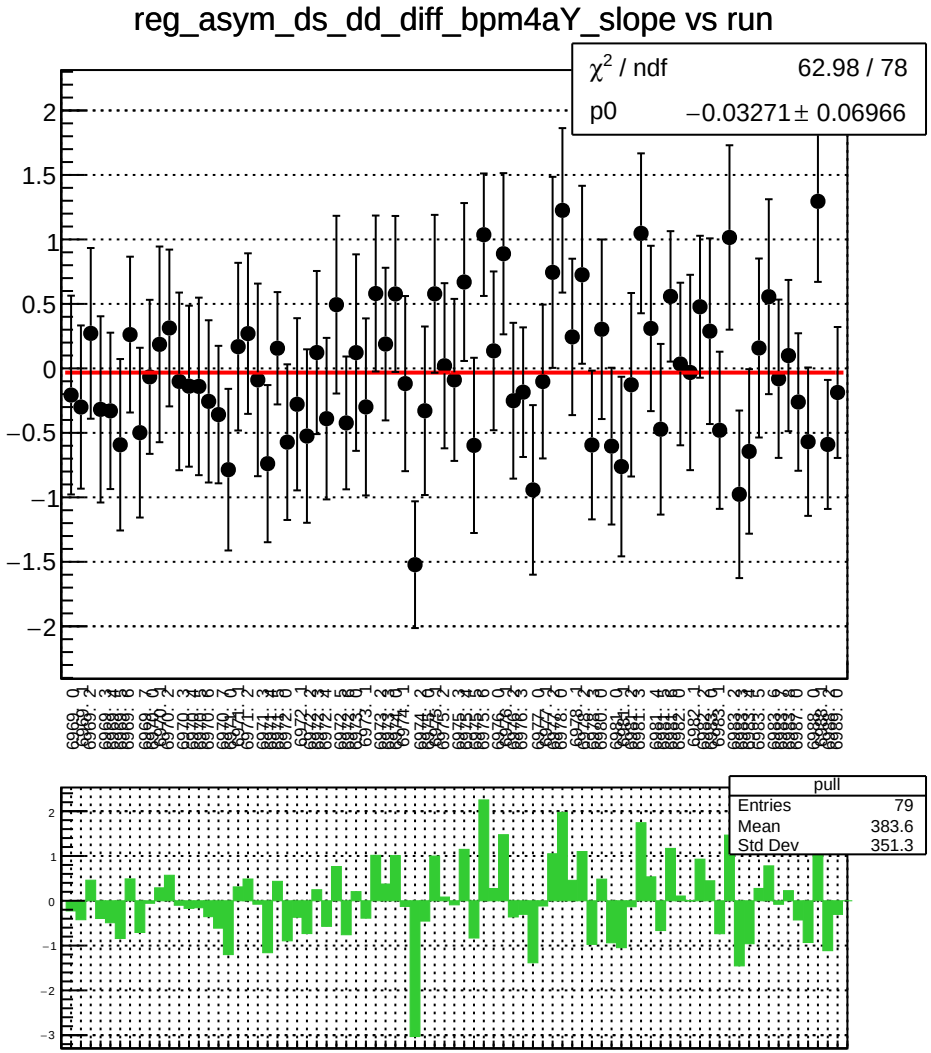

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 57.51 / 78
p0 0.1635 ± 0.08972
pull
Entries 79
Mean −18.03
Std Dev 46.63

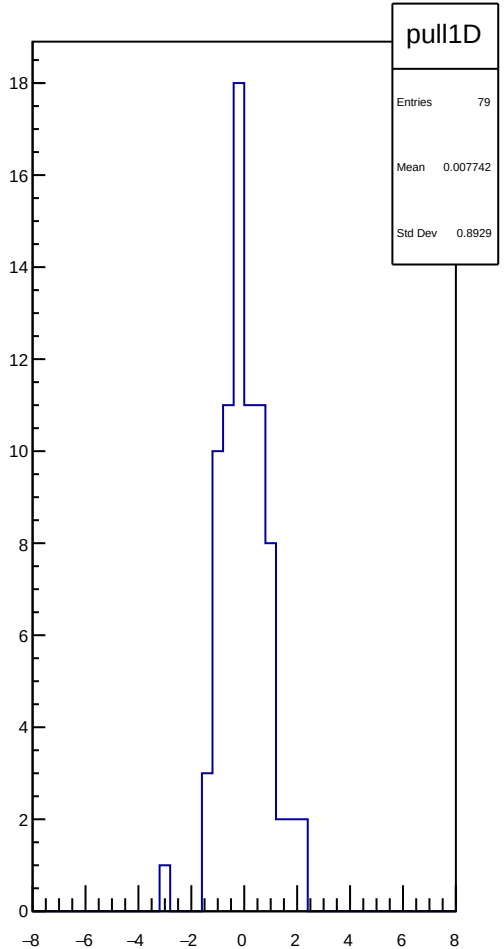

pull1D
Entries 79
Mean 0.004229
Std Dev 0.8532

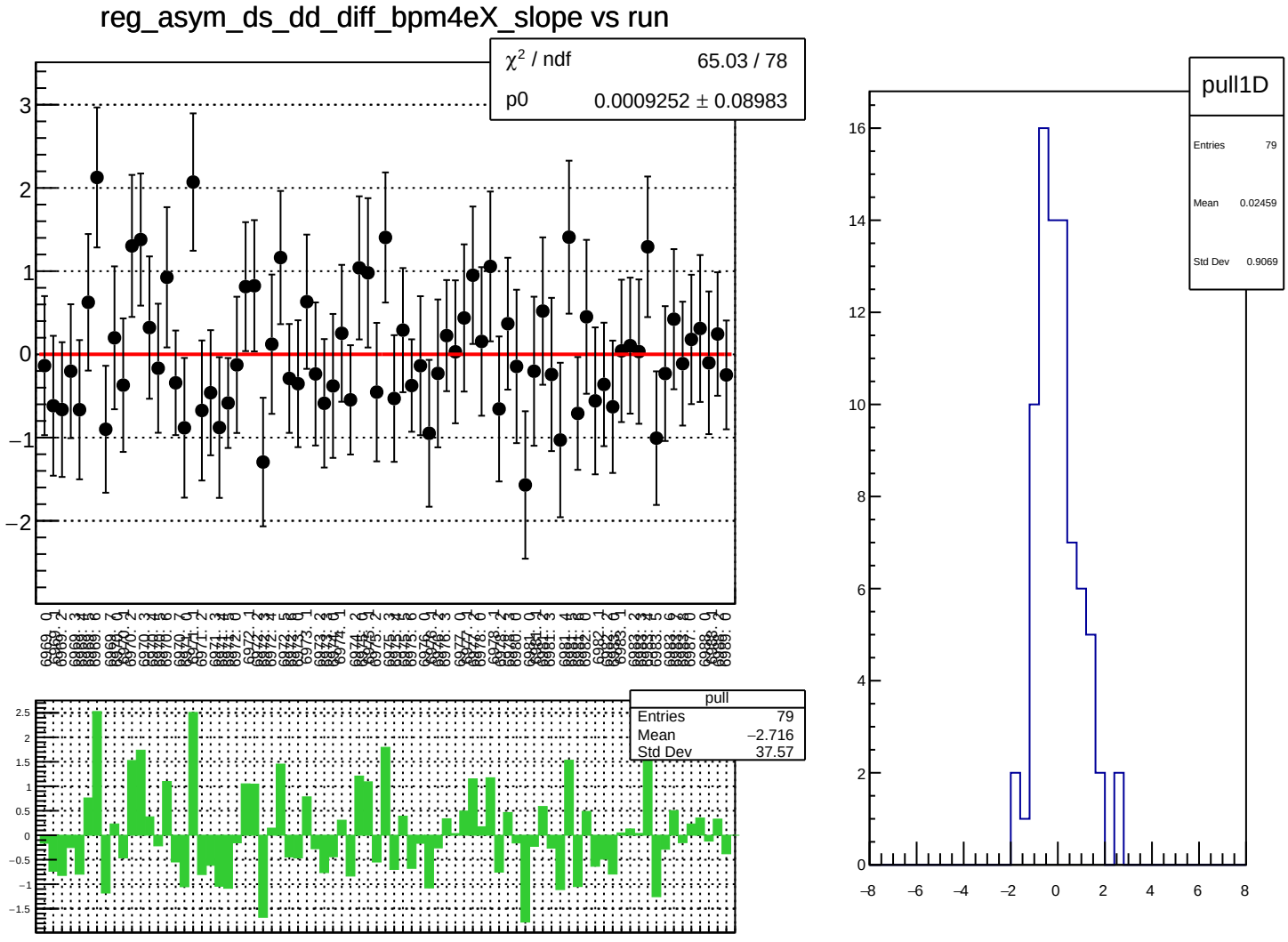

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 95.28 / 78
p0 0.04499 ± 0.07962
pull
Entries 79
Mean −52.97
Std Dev 14.92
pull1D
Entries 79
Mean −0.00876
Std Dev 1.098

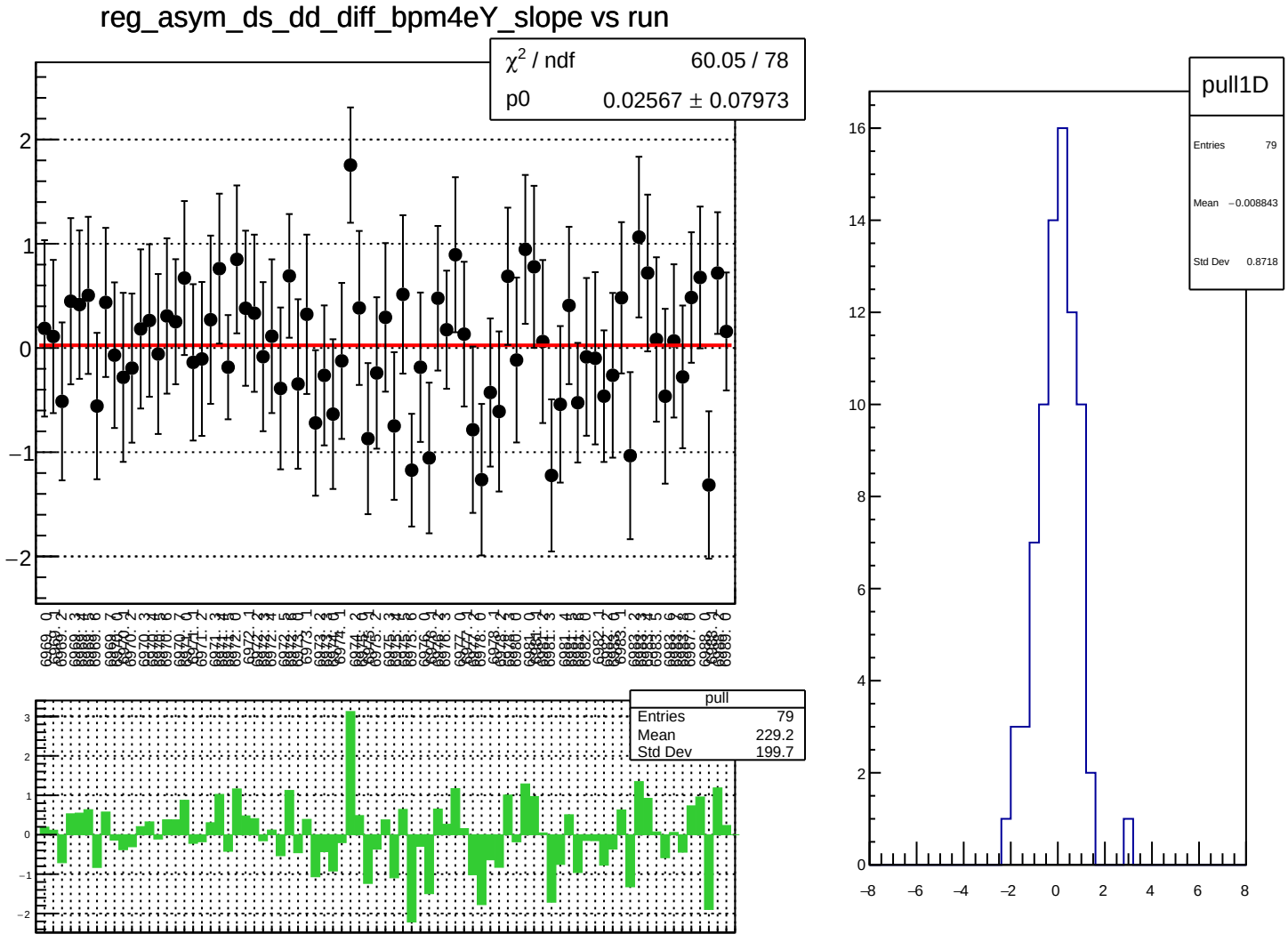

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 60.52 / 78
p0 0.002636 ± 0.003021
pull
Entries 79
Mean −176.1
Std Dev 218
pull1D
Entries 79
Mean −0.009165
Std Dev 0.8752

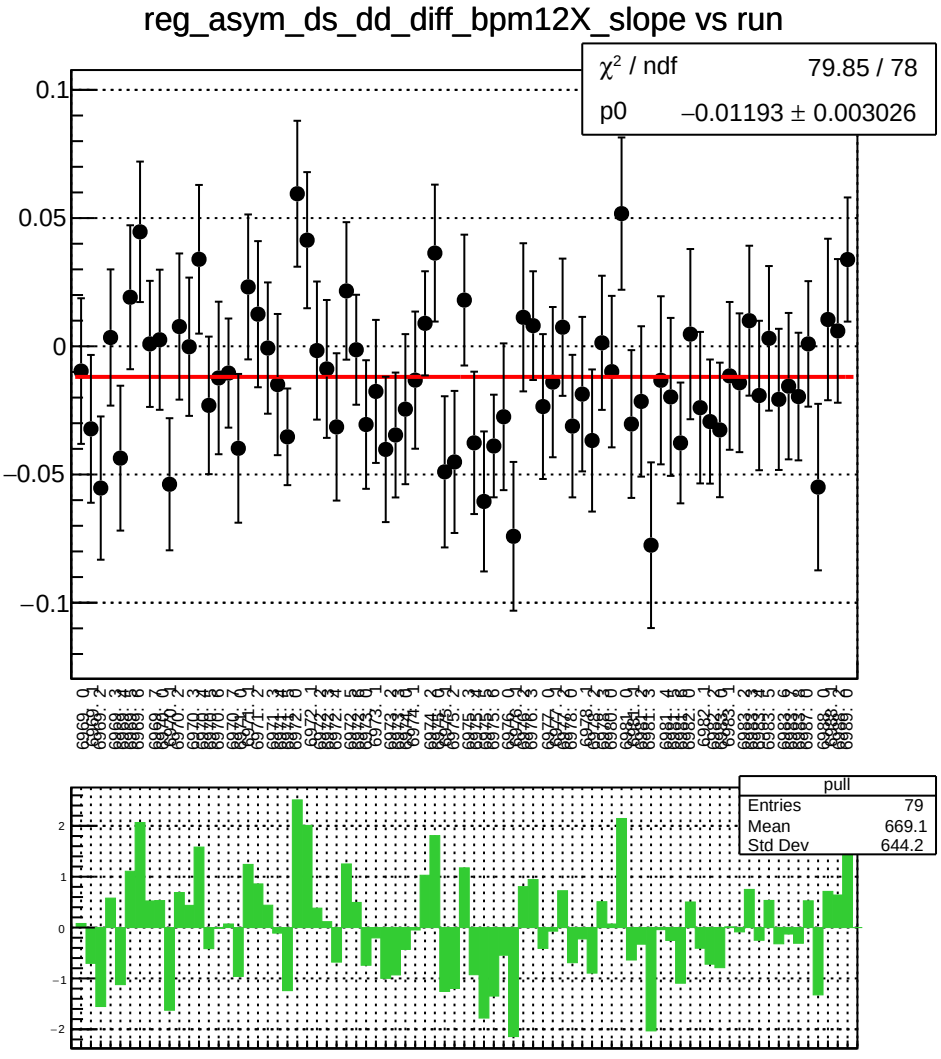

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 62.37 / 78
p0 0.023 ± 0.09763
pull
Entries 79
Mean 9.049
Std Dev 28.18
pull1D
Entries 79
Mean −0.02558
Std Dev 0.8882

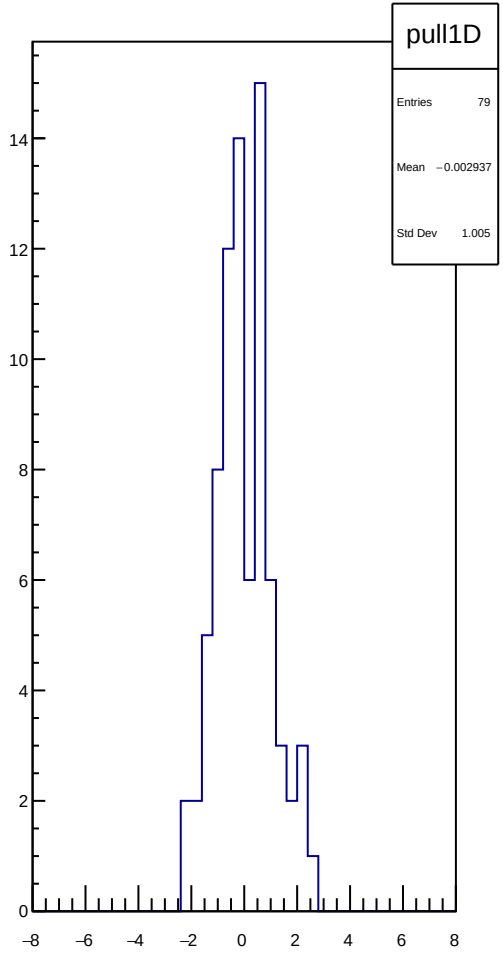

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 62.98 / 78
p0 −0.03271 ± 0.06966
pull
Entries 79
Mean 383.6
Std Dev 351.3

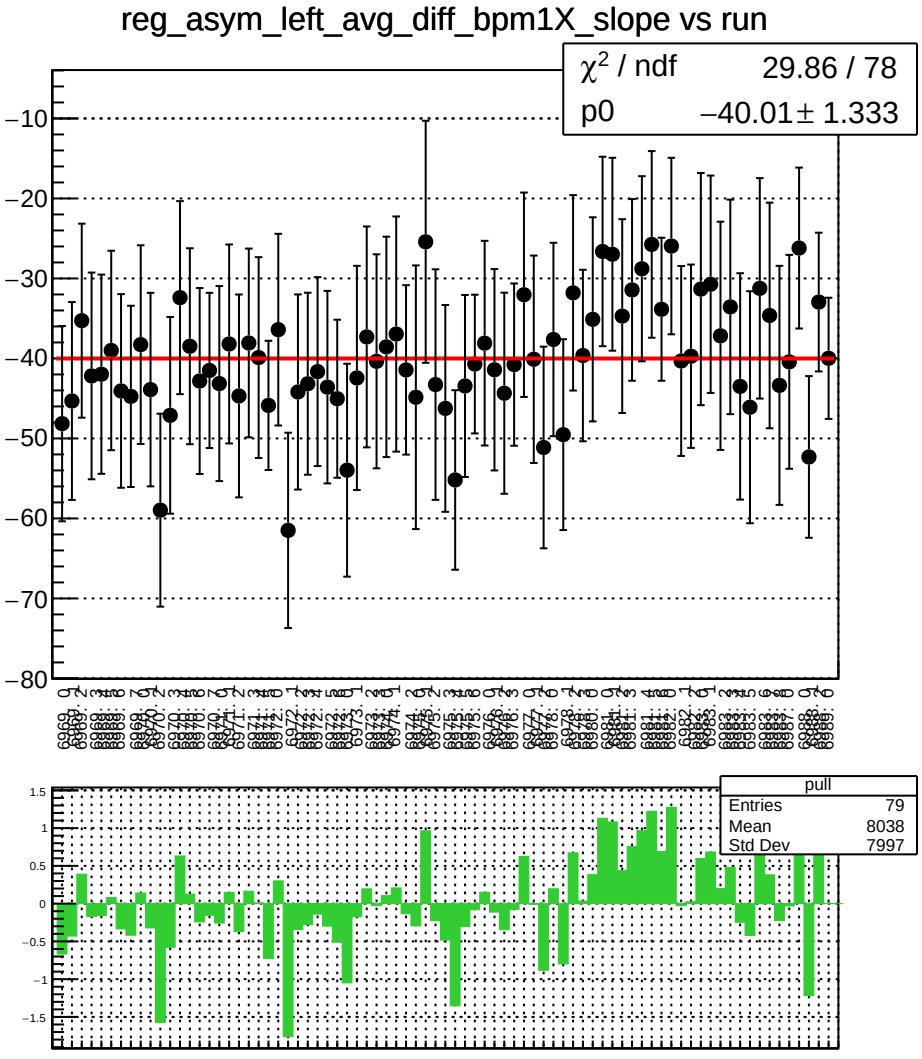

pull1D
Entries 79
Mean 0.007742
Std Dev 0.8929

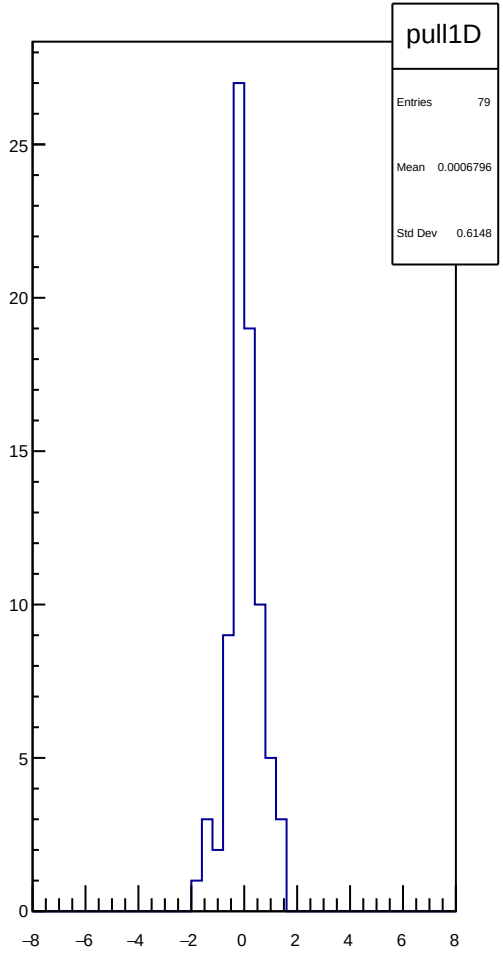

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 65.03 / 78
p0 0.0009252 ± 0.08983
pull
Entries 79
Mean −2.716
Std Dev 37.57
pull1D
Entries 79
Mean 0.02459
Std Dev 0.9069

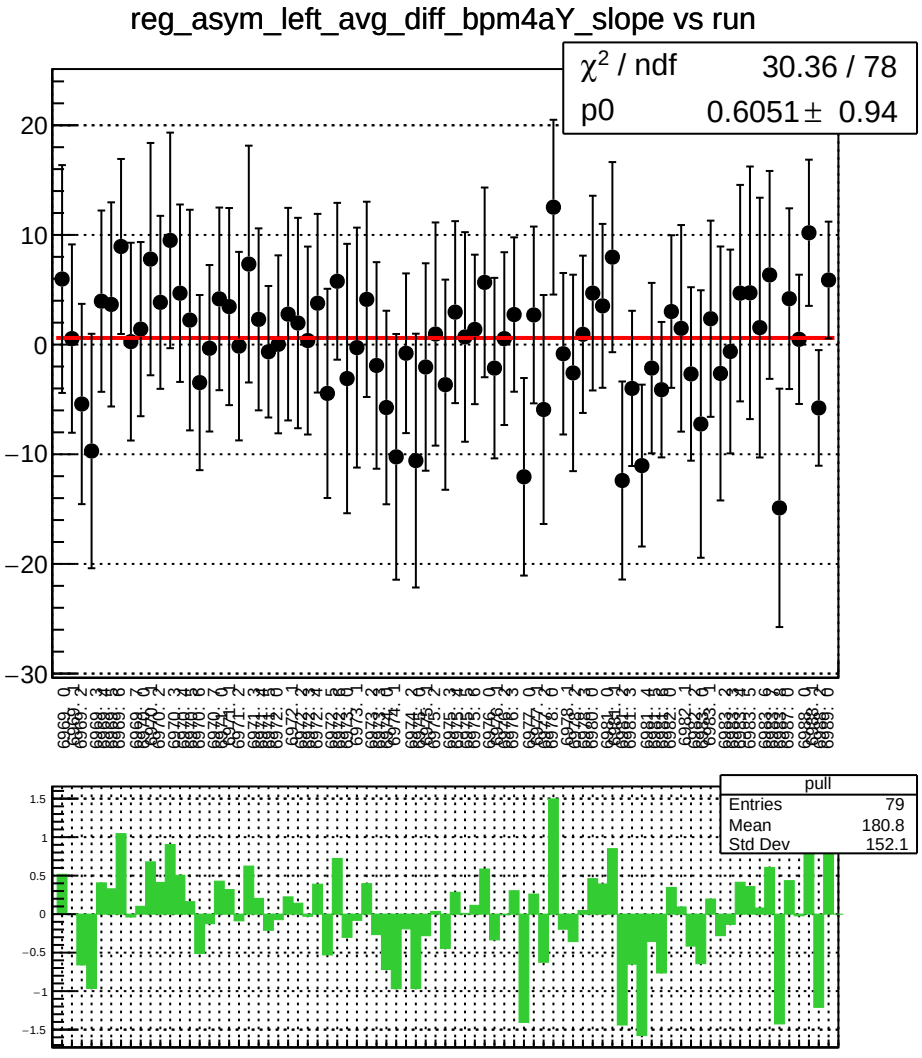

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 60.05 / 78
p0 0.02567 ± 0.07973
pull
Entries 79
Mean 229.2
Std Dev 199.7
pull1D
Entries 79
Mean −0.008843
Std Dev 0.8718

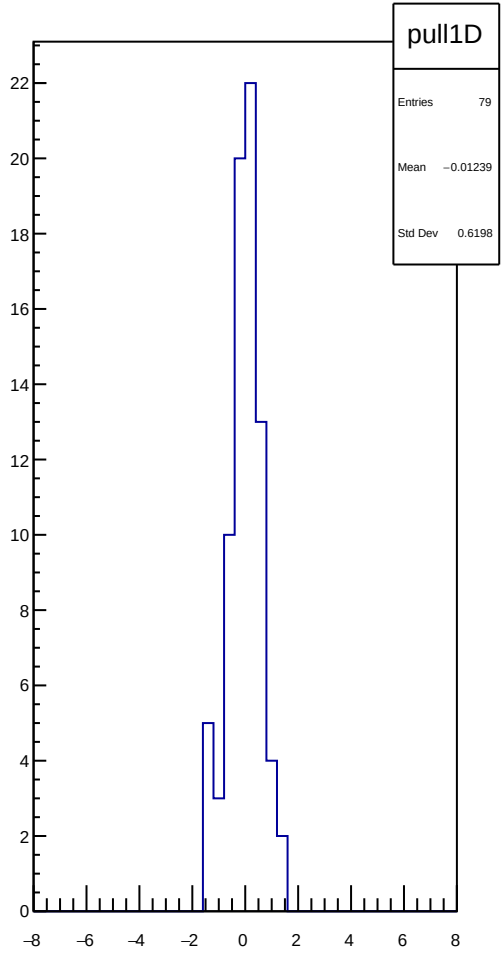

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 79.85 / 78
p0 −0.01193 ± 0.003026
pull
Entries 79
Mean 669.1
Std Dev 644.2

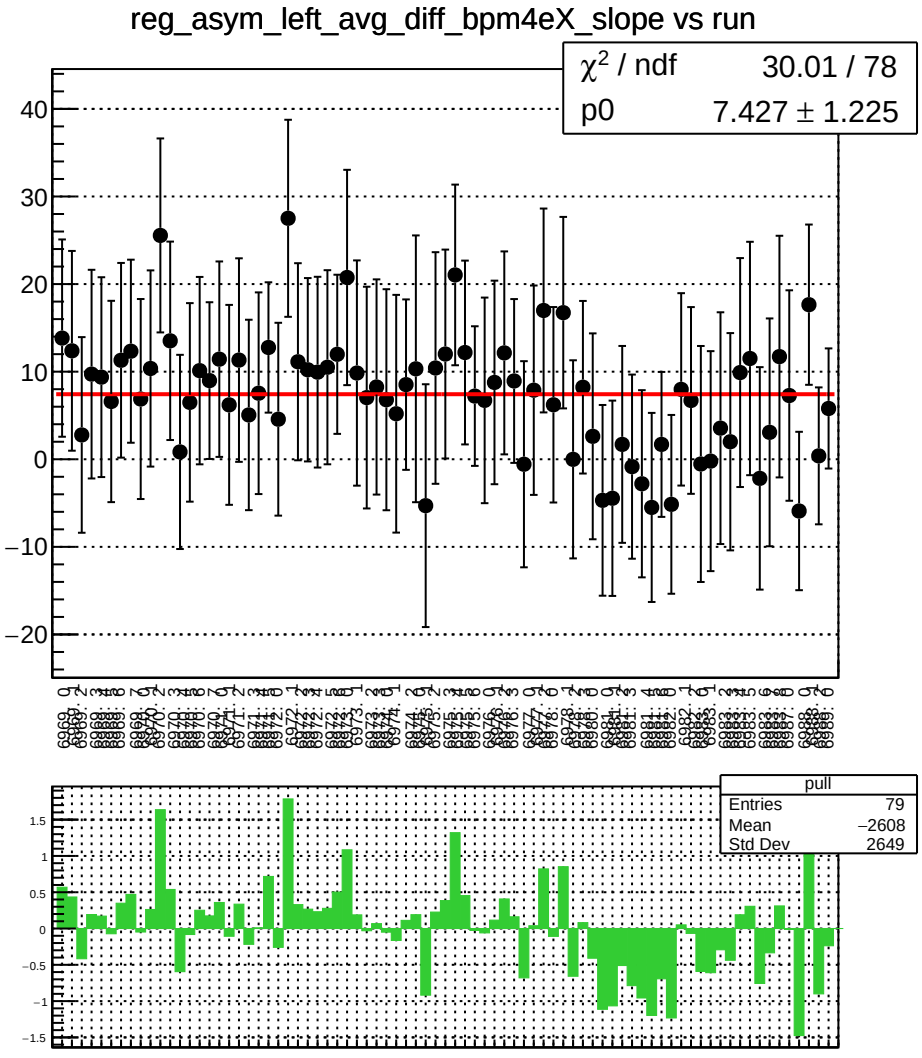

pull1D
Entries 79
Mean −0.002937
Std Dev 1.005

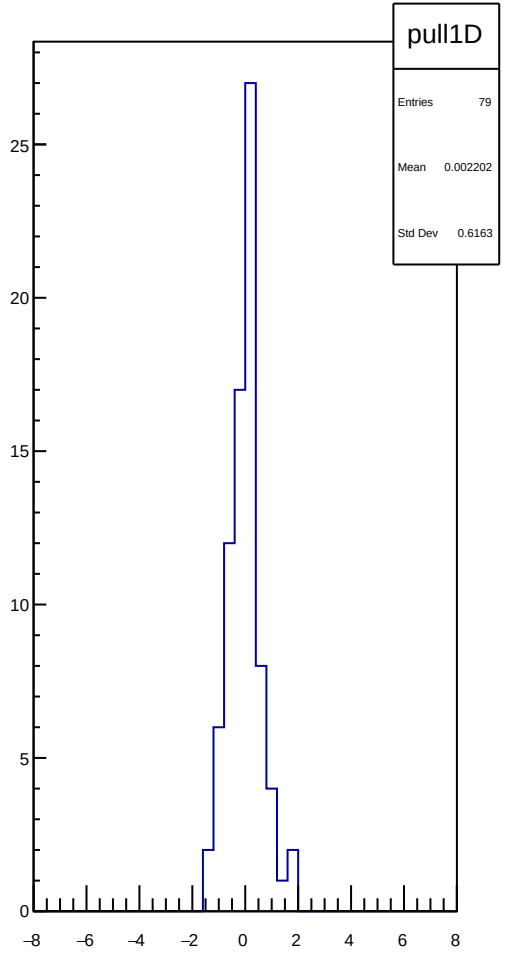

reg_asym_left_avg_diff_bpm1X_slope vs run
χ^2 / ndf 29.86 / 78
p0 −40.01 ± 1.333
pull
Entries 79
Mean 8038
Std Dev 7997

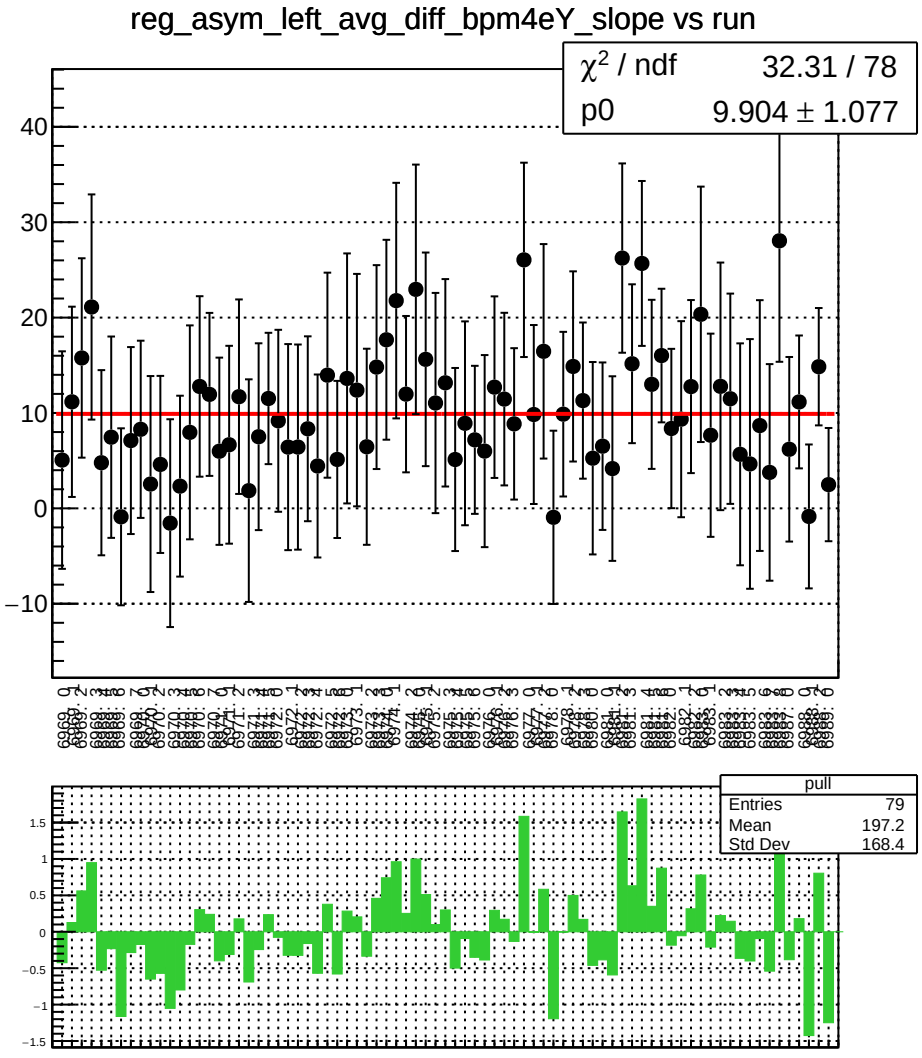

pull1D
Entries 79
Mean 0.0006796
Std Dev 0.6148

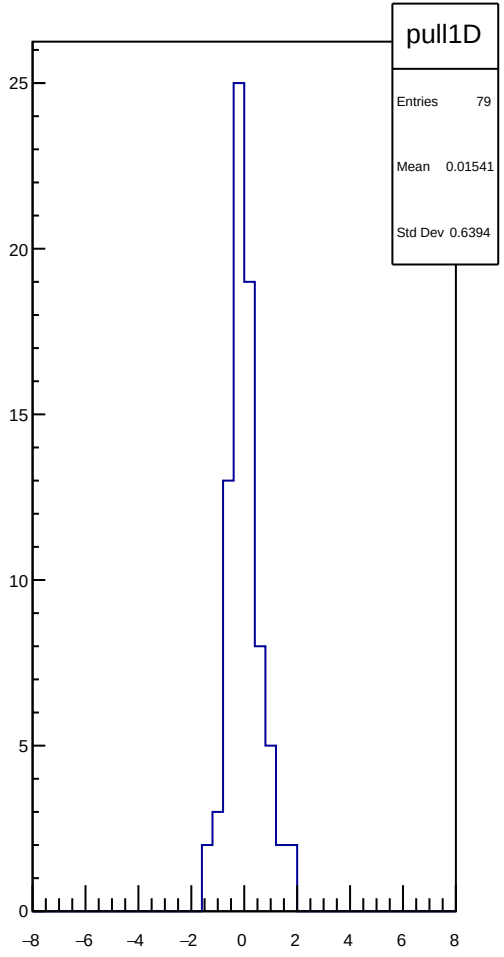

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 30.36 / 78
p0 0.6051 ± 0.94
pull
Entries 79
Mean 180.8
Std Dev 152.1

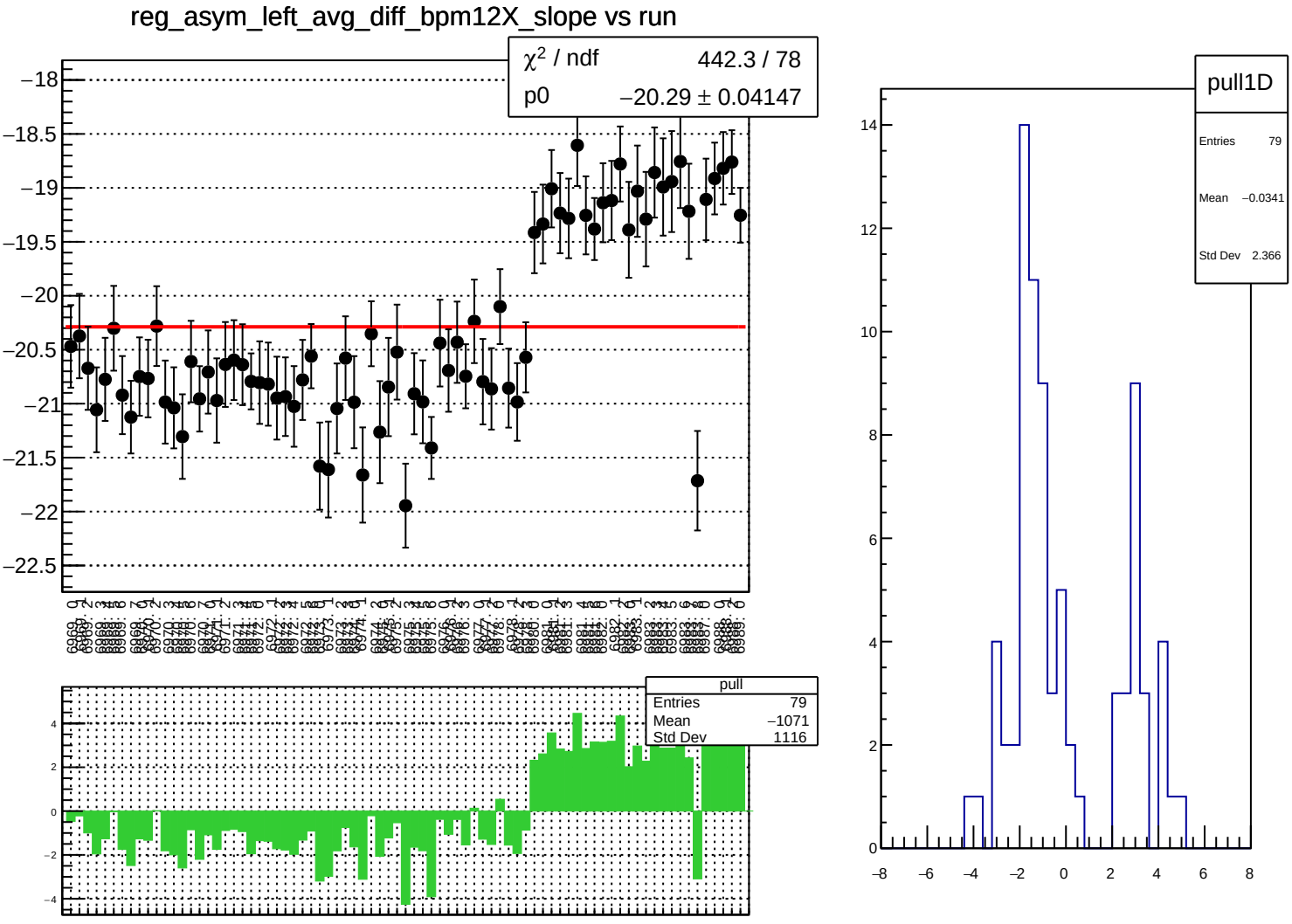

pull1D
Entries 79
Mean −0.01239
Std Dev 0.6198

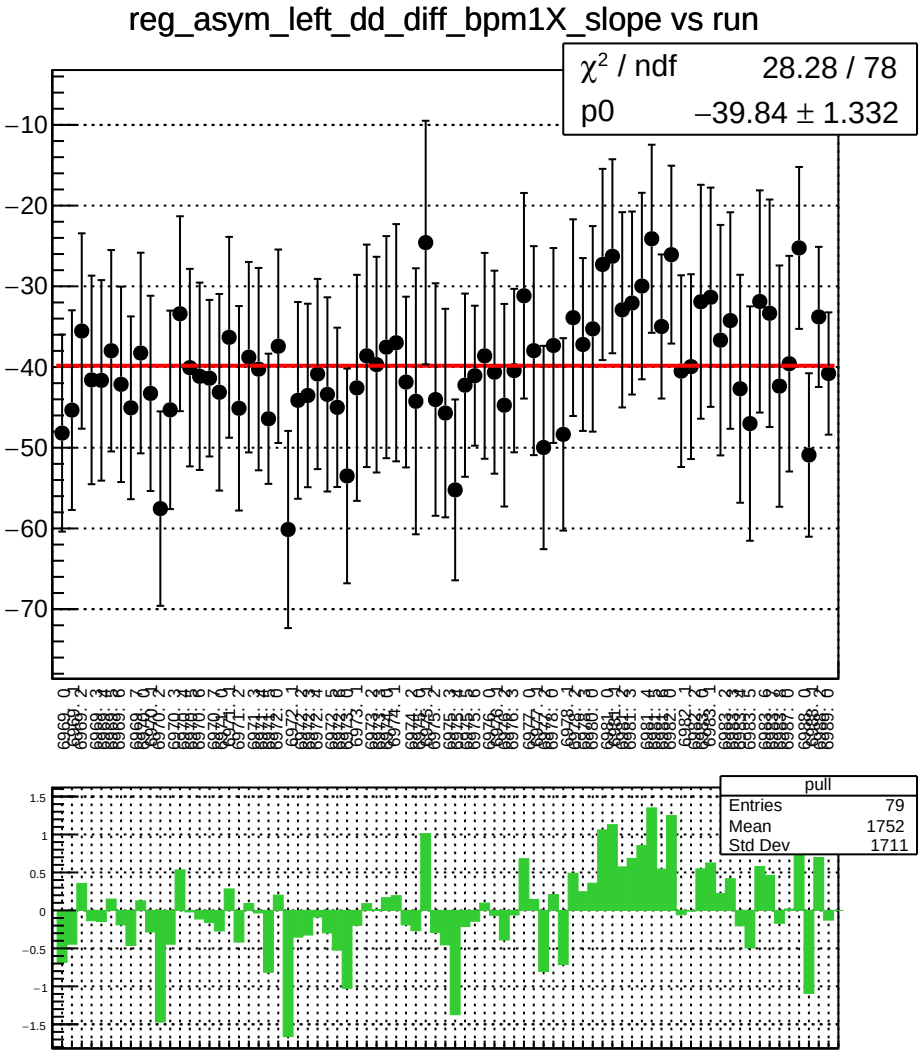

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 30.01 / 78
p0 7.427 ± 1.225
pull
Entries 79
Mean −2608
Std Dev 2649

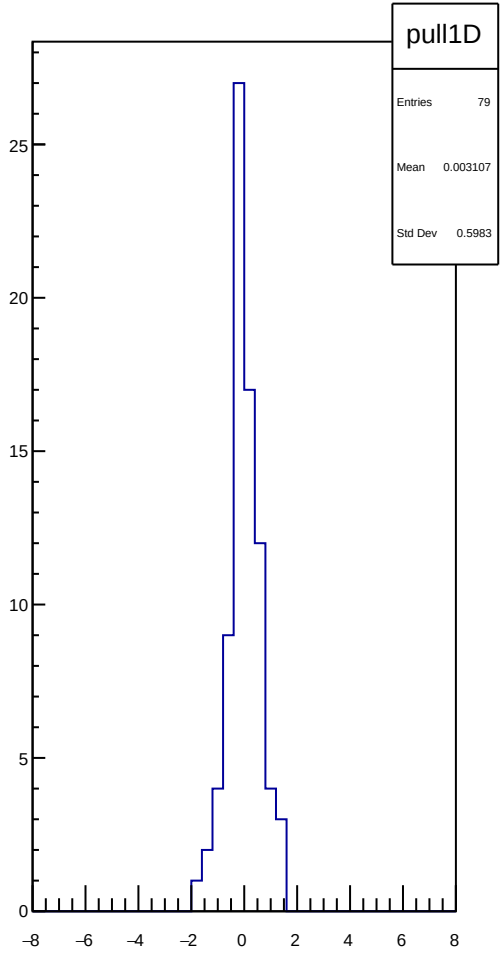

pull1D
Entries 79
Mean 0.002202
Std Dev 0.6163

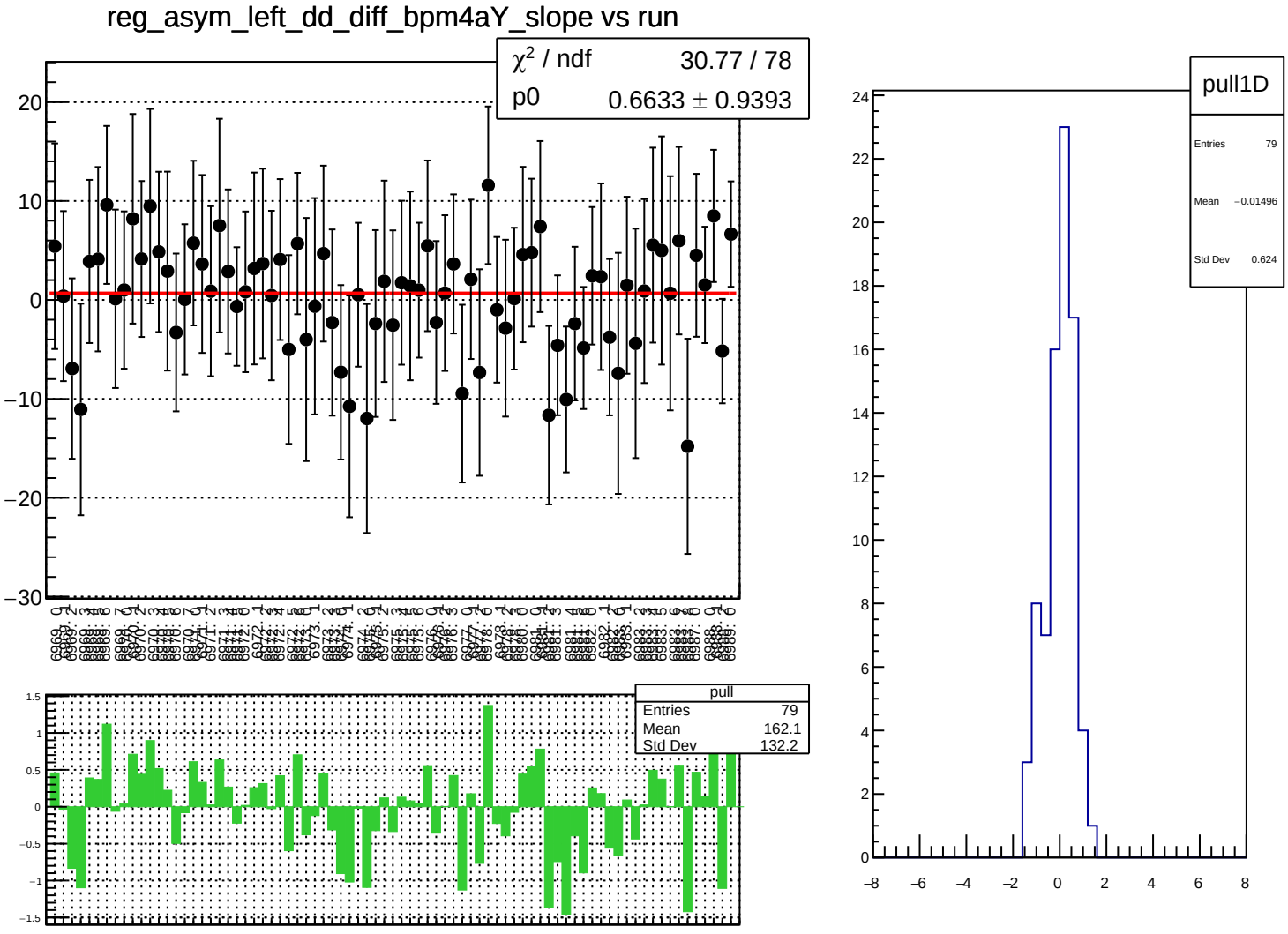

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 32.31 / 78
p0 9.904 ± 1.077
pull
Entries 79
Mean 197.2
Std Dev 168.4

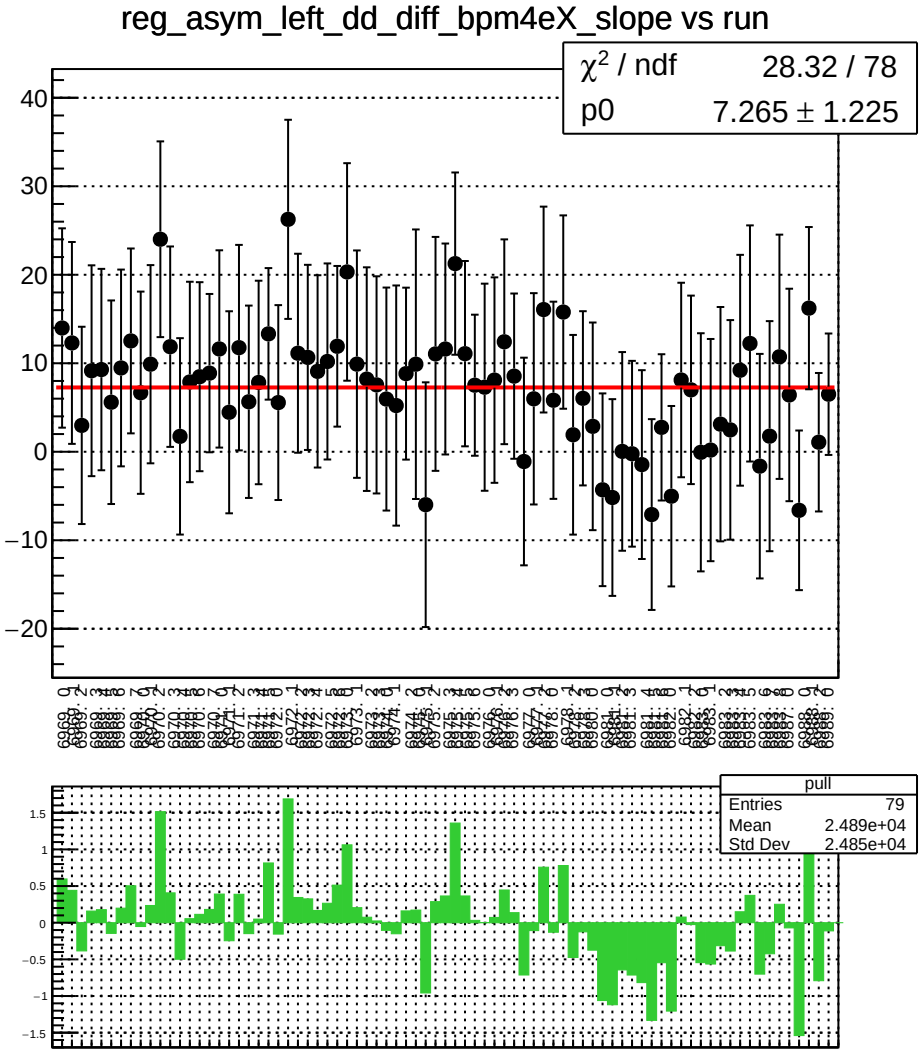

pull1D
Entries 79
Mean 0.01541
Std Dev 0.6394

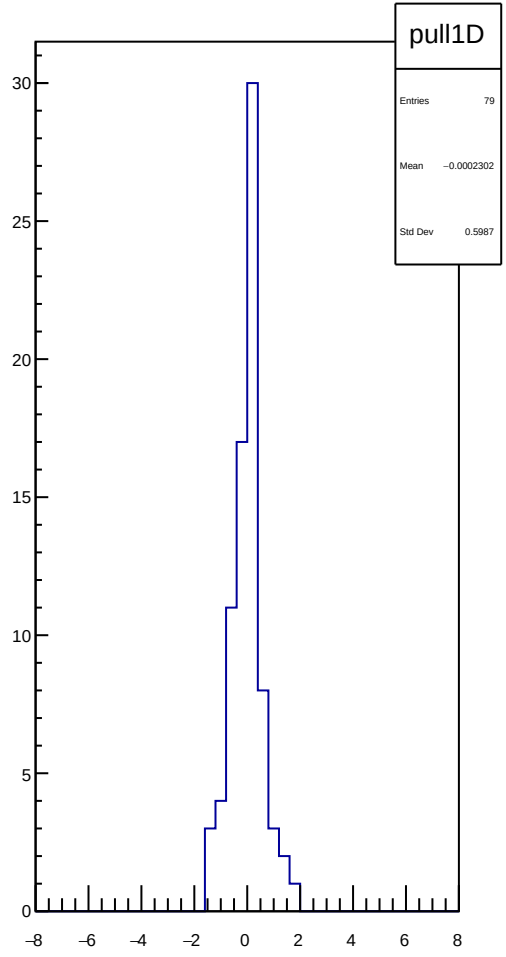

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 442.3 / 78
p0 −20.29 ± 0.04147
pull
Entries 79
Mean −1071
Std Dev 1116
pull1D
Entries 79
Mean −0.0341
Std Dev 2.366

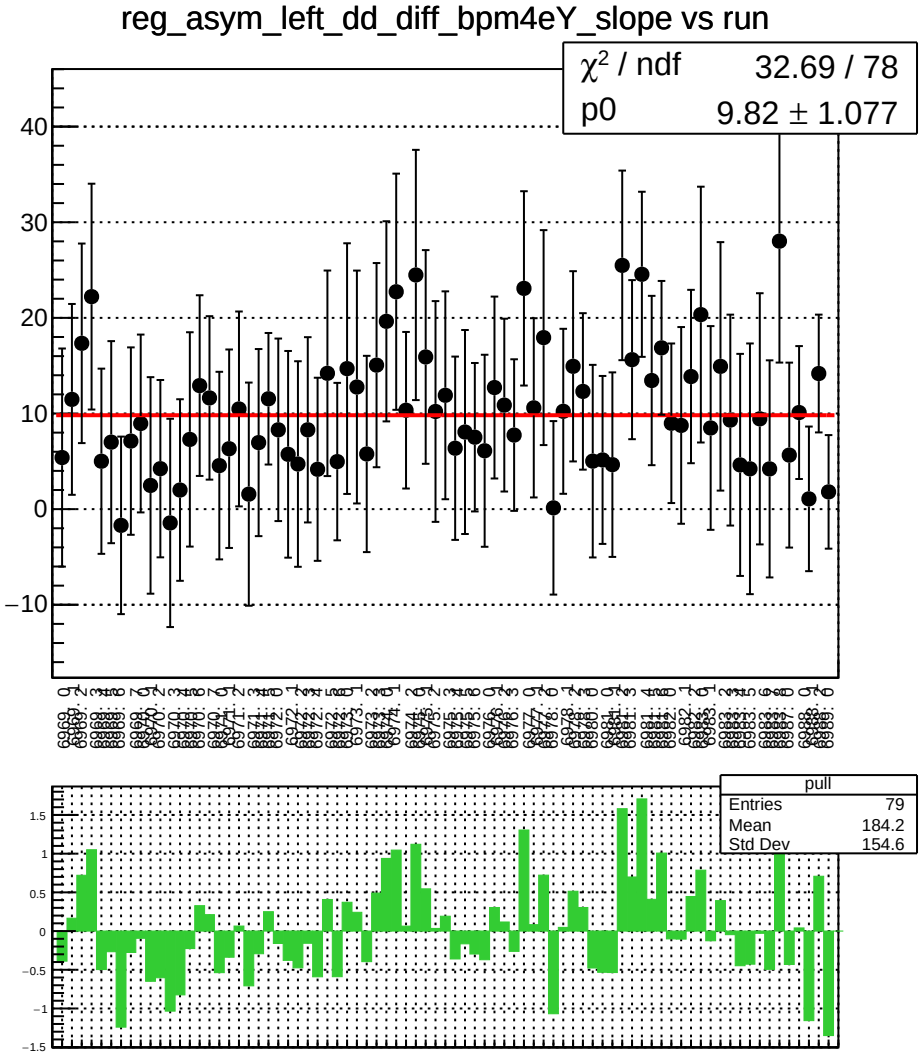

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 28.28 / 78
p0 −39.84 ± 1.332
pull
Entries 79
Mean 1752
Std Dev 1711

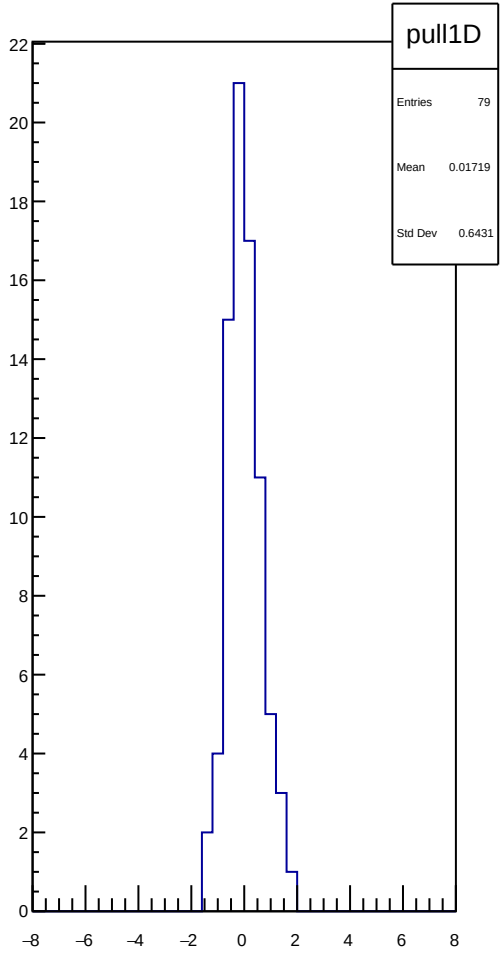

pull1D
Entries 79
Mean 0.003107
Std Dev 0.5983

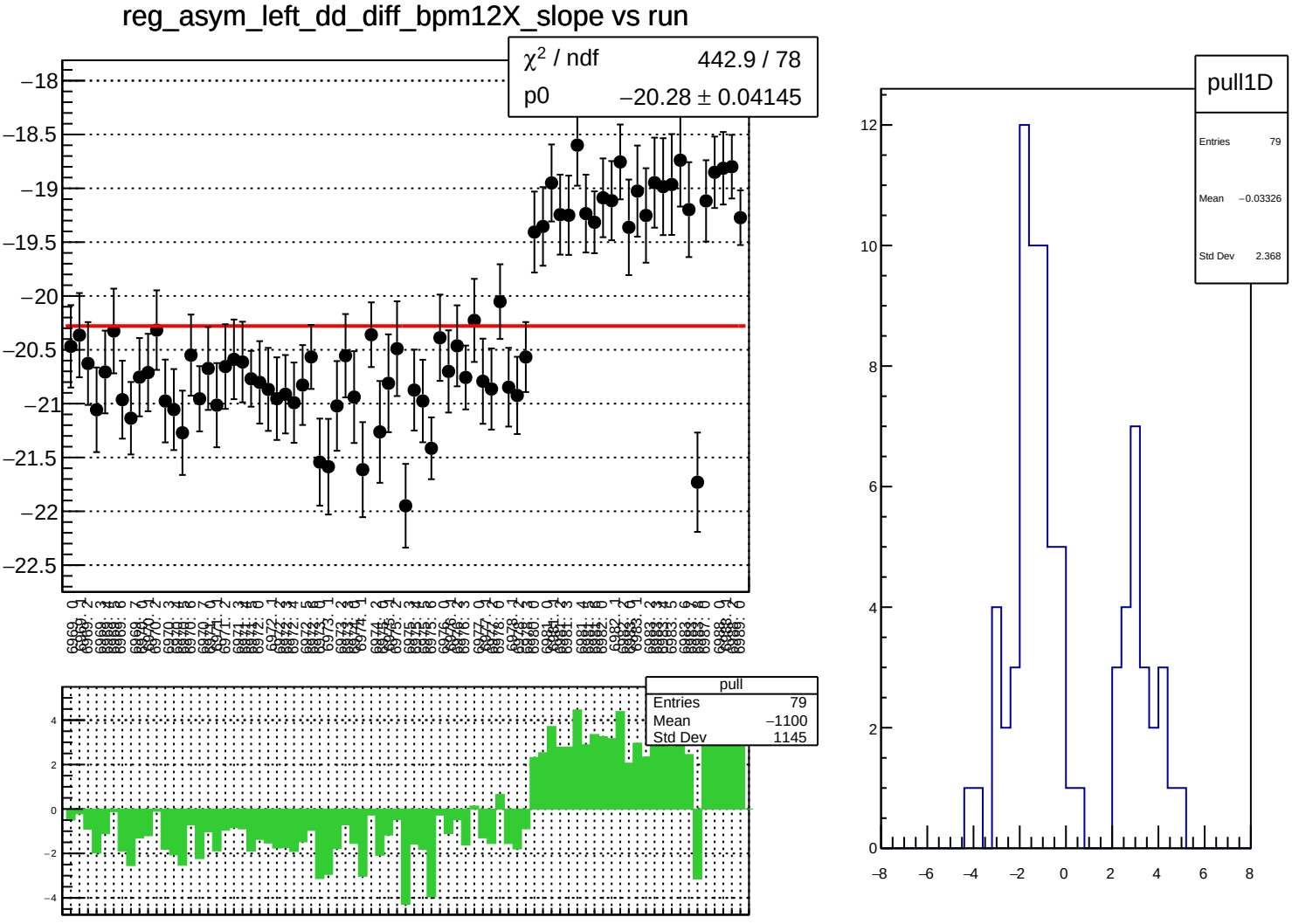

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 30.77 / 78
p0 0.6633 ± 0.9393
pull
Entries 79
Mean 162.1
Std Dev 132.2
pull1D
Entries 79
Mean −0.01496
Std Dev 0.624

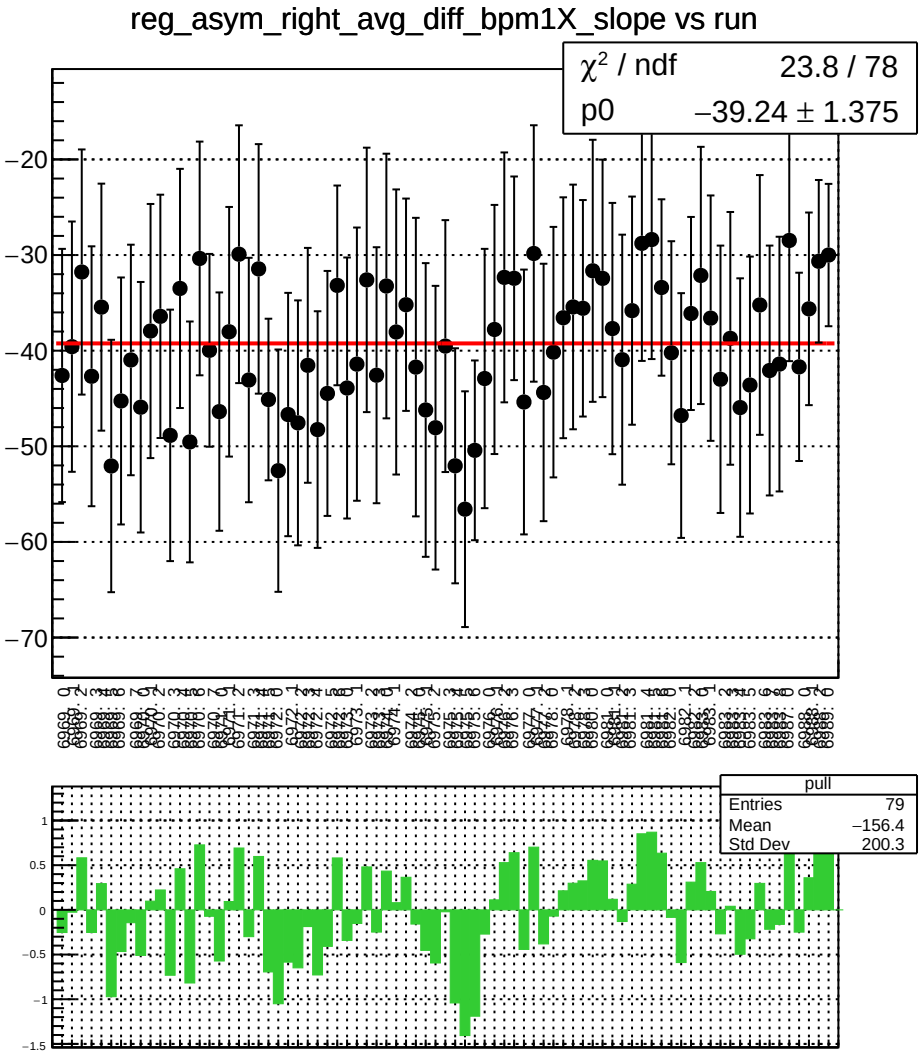

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 28.32 / 78
p0 7.265 ± 1.225
pull
Entries 79
Mean 2.489e+04
Std Dev 2.485e+04

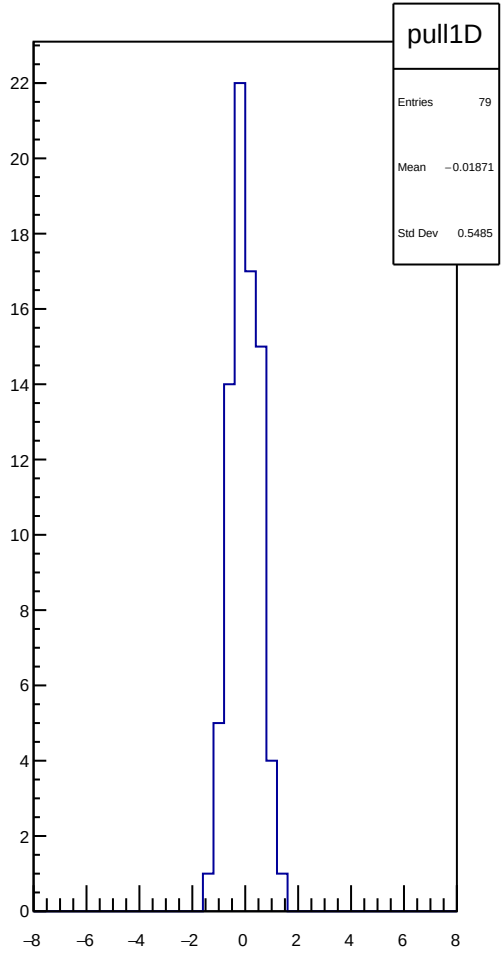

pull1D
Entries 79
Mean −0.0002302
Std Dev 0.5987

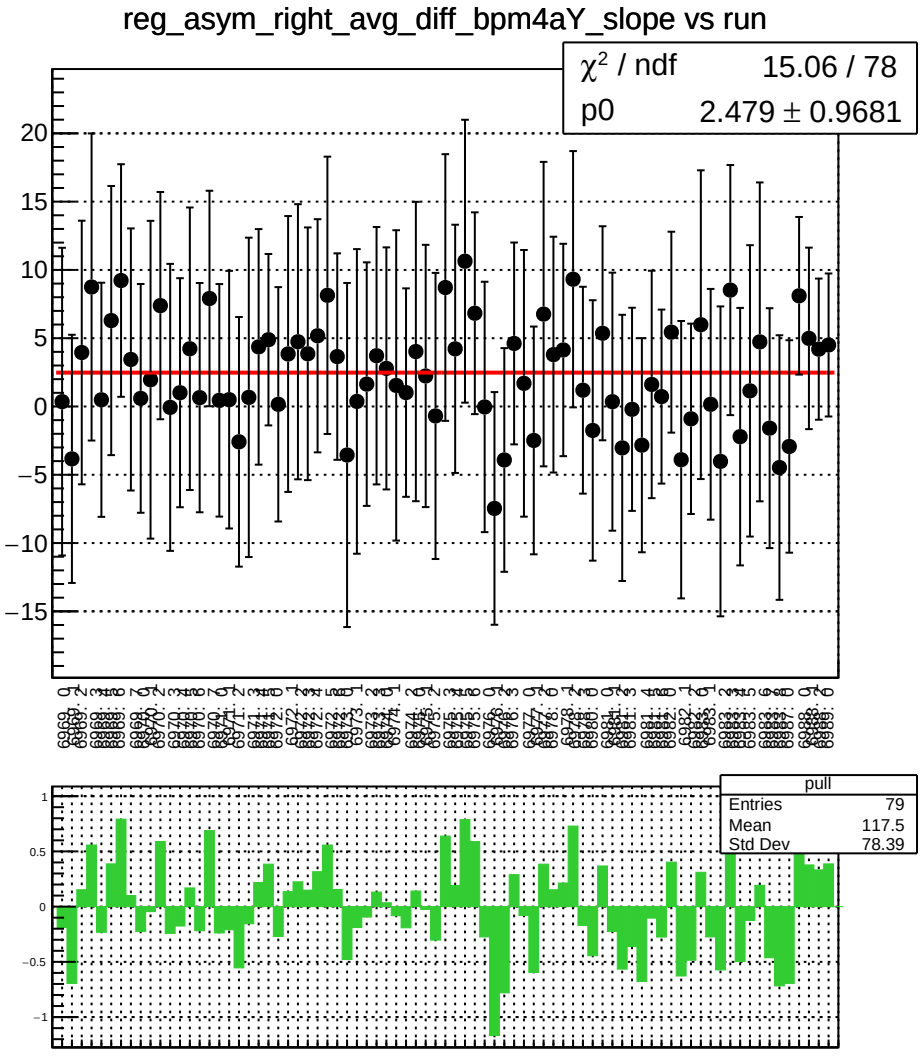

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 32.69 / 78
p0 9.82 ± 1.077
pull
Entries 79
Mean 184.2
Std Dev 154.6

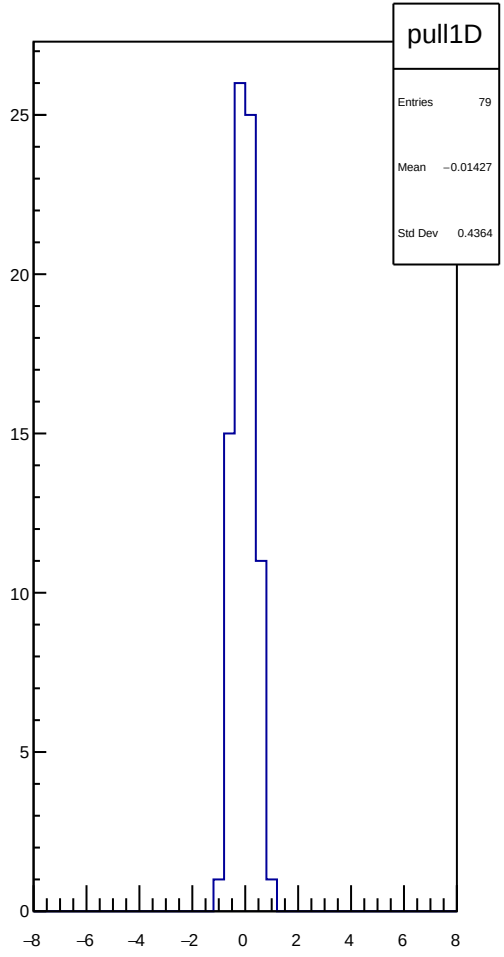

pull1D
Entries 79
Mean 0.01719
Std Dev 0.6431

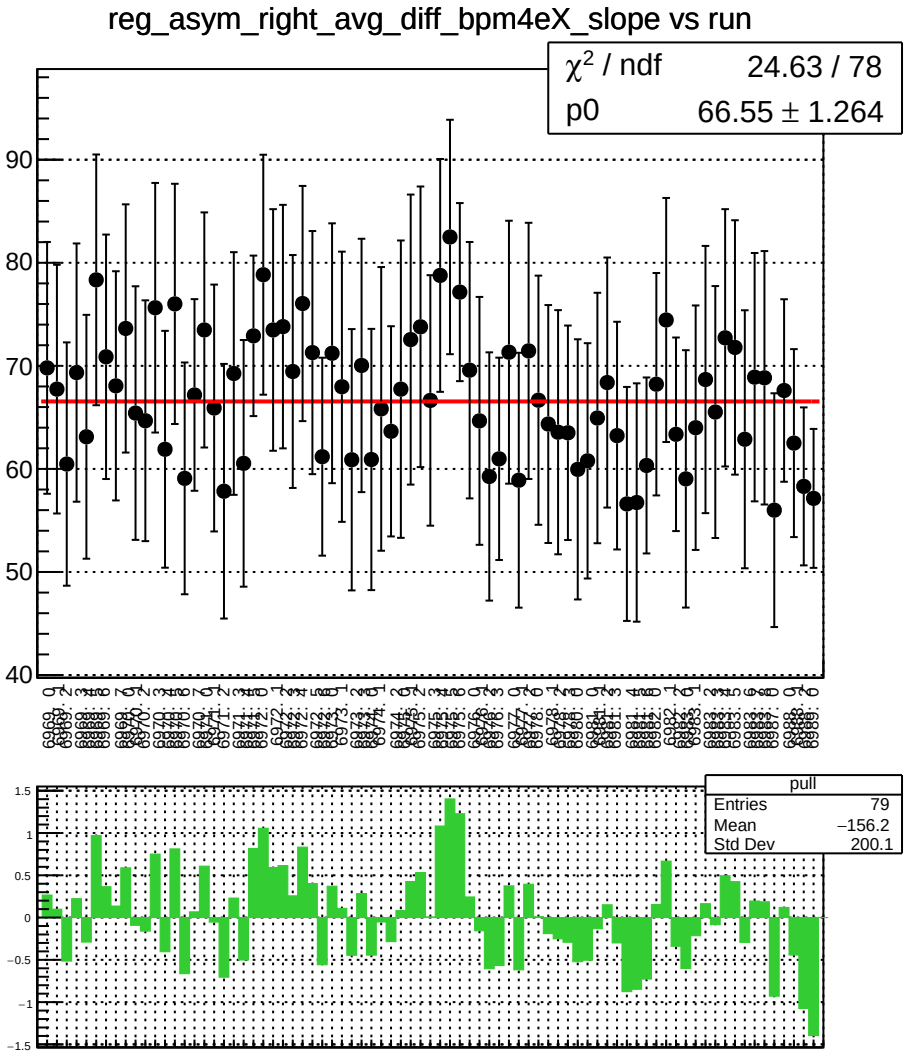

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 442.9 / 78
p0 −20.28 ± 0.04145
pull
Entries 79
Mean −1100
Std Dev 1145
pull1D
Entries 79
Mean −0.03326
Std Dev 2.368

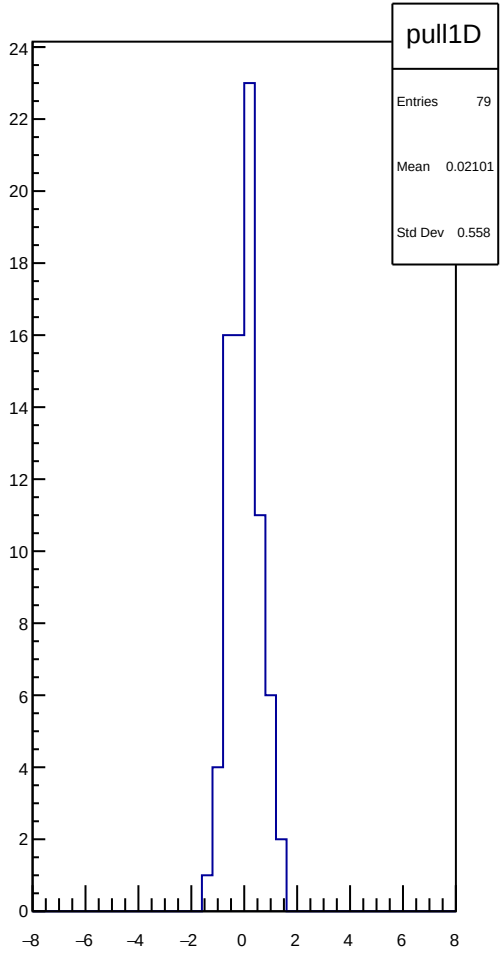

reg_asym_right_avg_diff_bpm1X_slope vs run
χ^2 / ndf 23.8 / 78
p0 −39.24 ± 1.375
pull
Entries 79
Mean −156.4
Std Dev 200.3

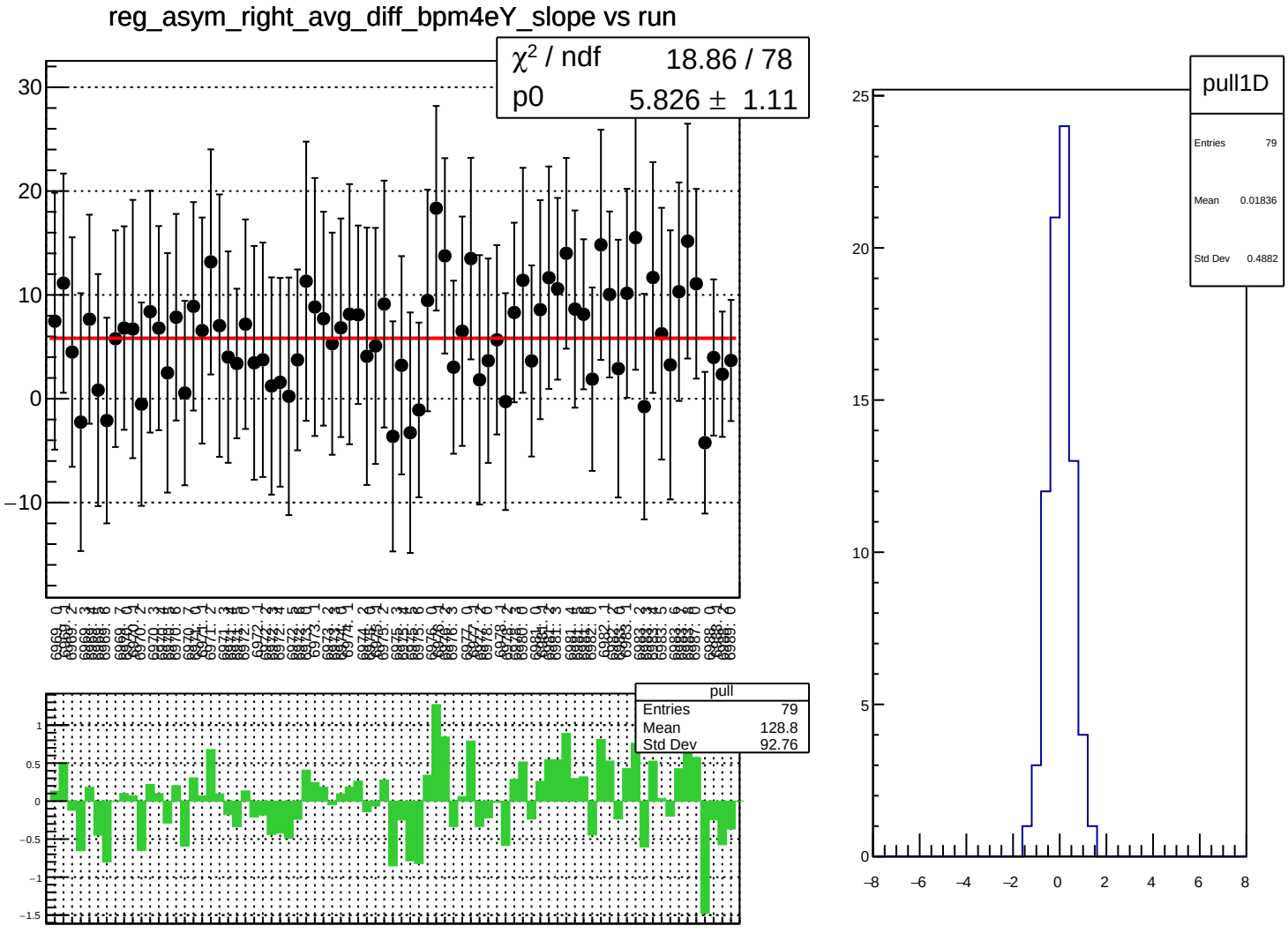

pull1D
Entries 79
Mean −0.01871
Std Dev 0.5485

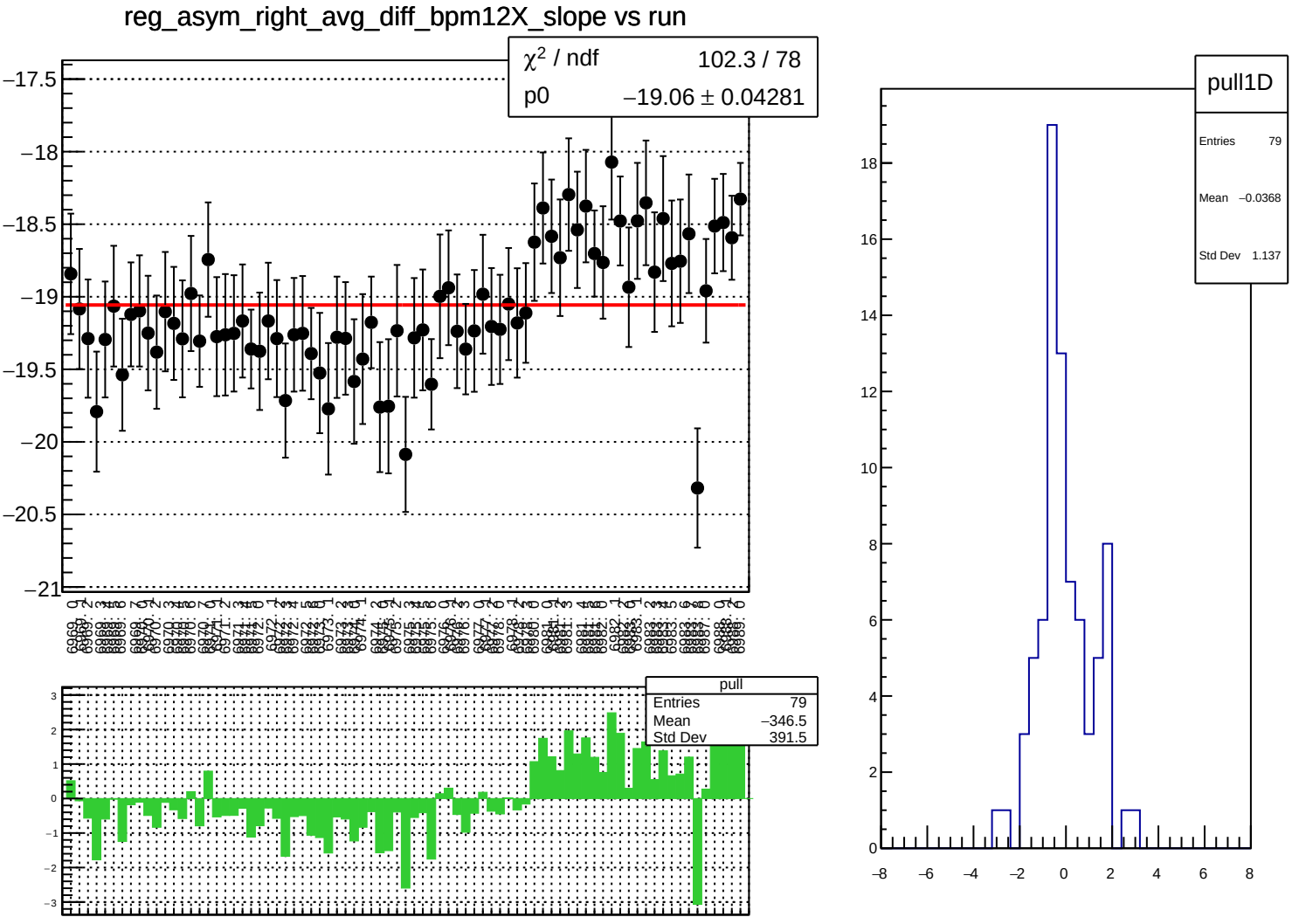

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 15.06 / 78
p0 2.479 ± 0.9681
pull
Entries 79
Mean 117.5
Std Dev 78.39

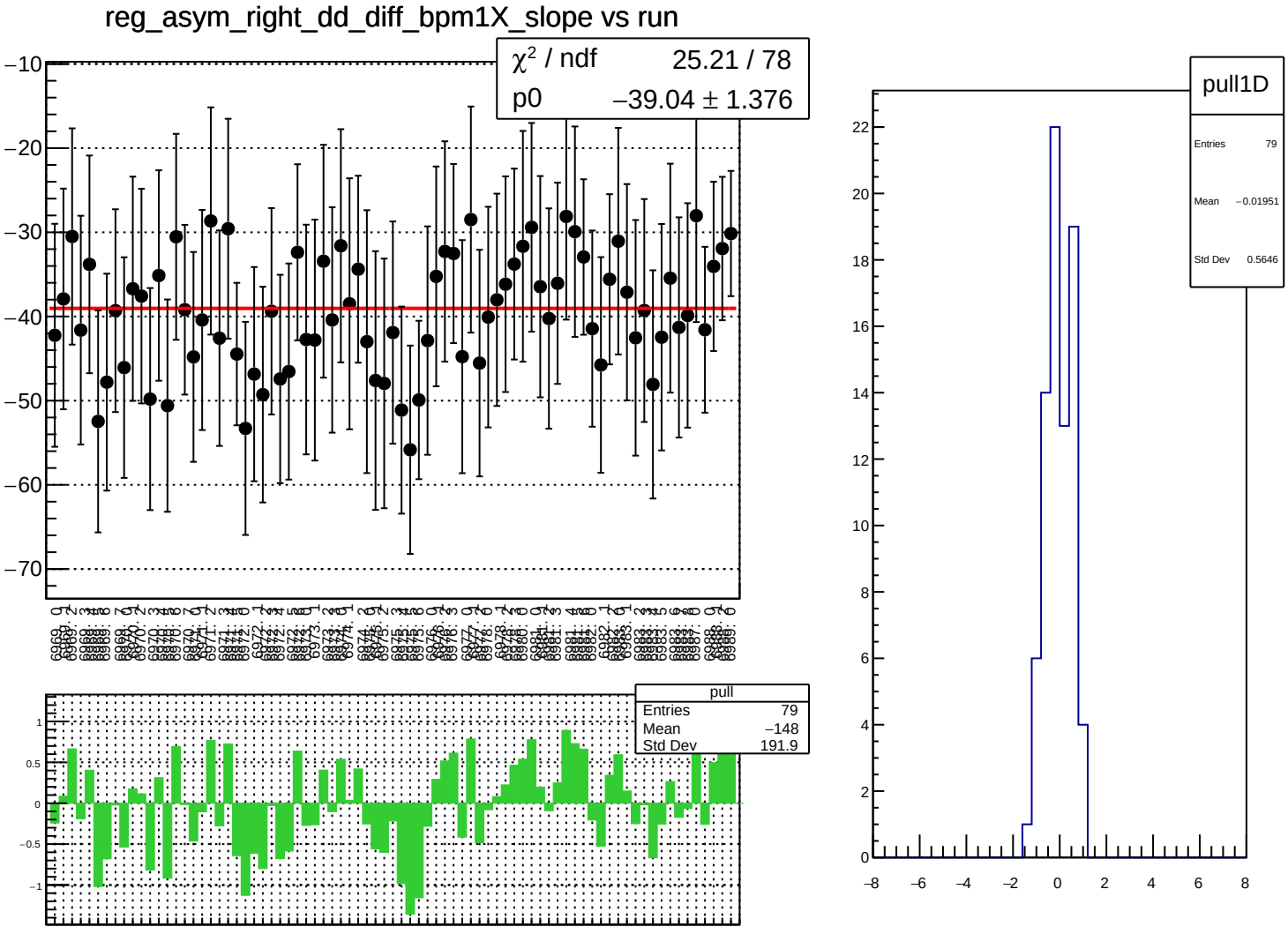

pull1D
Entries 79
Mean −0.01427
Std Dev 0.4364

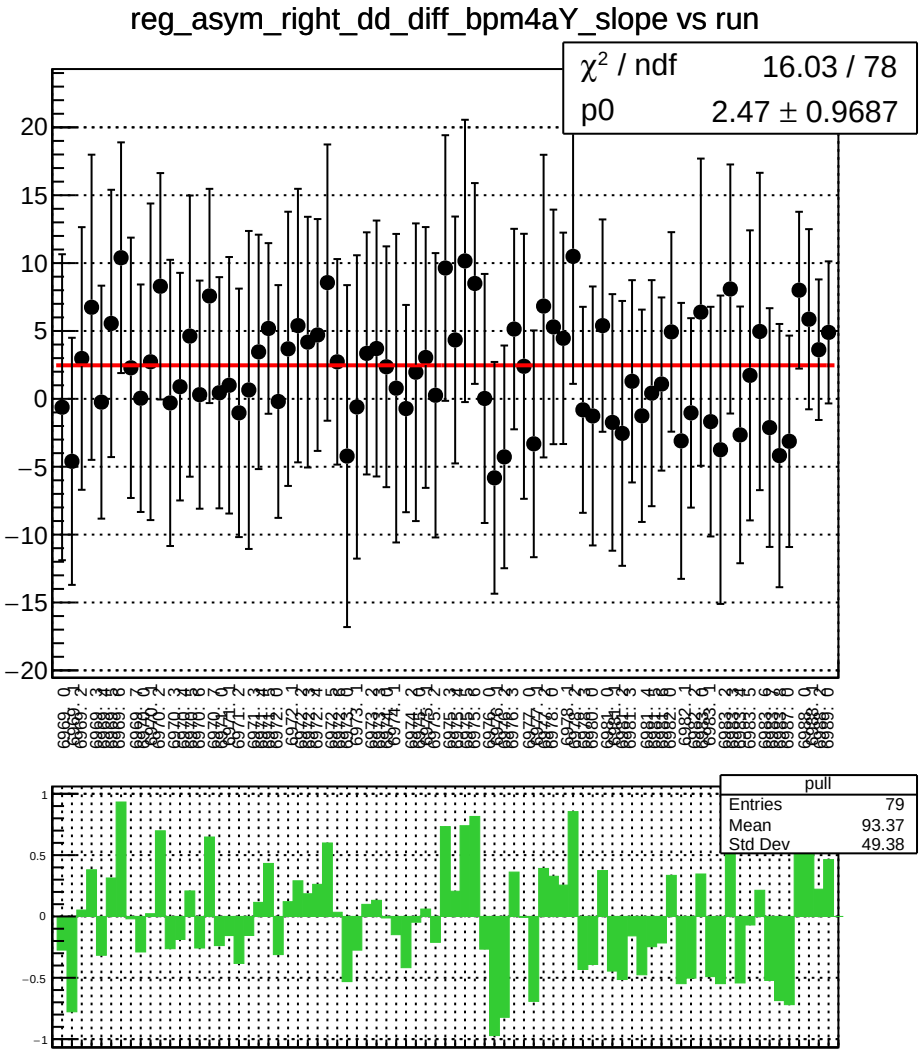

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 24.63 / 78
p0 66.55 ± 1.264
pull
Entries 79
Mean −156.2
Std Dev 200.1

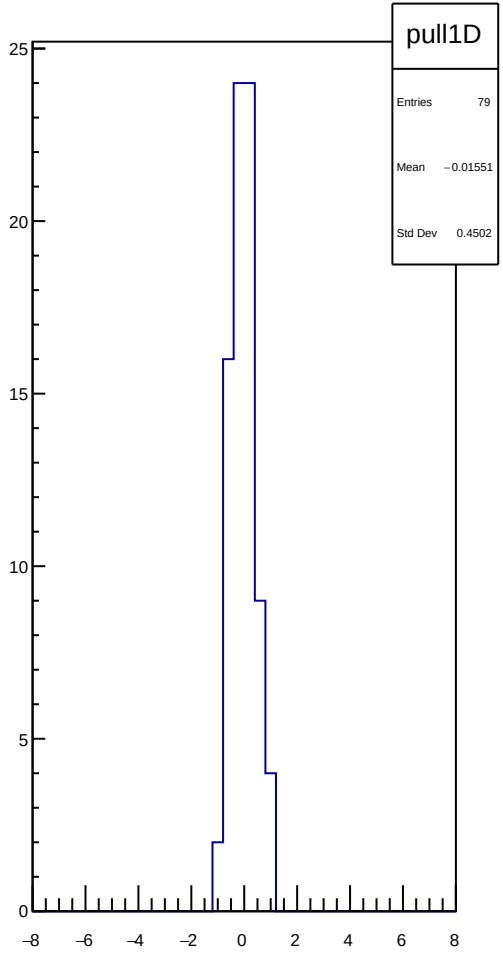

pull1D
Entries 79
Mean 0.02101
Std Dev 0.558

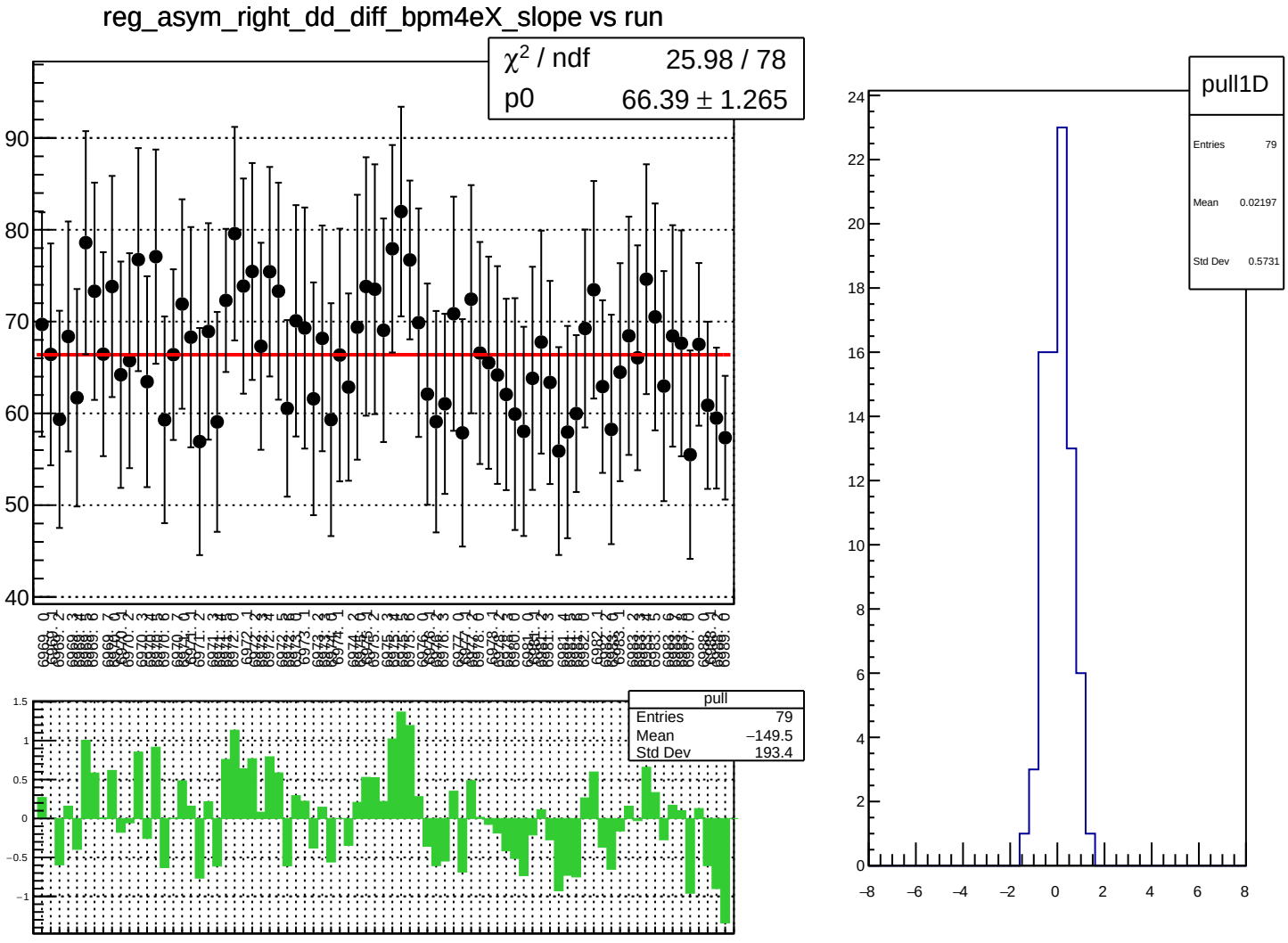

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 18.86 / 78
p0 5.826 ± 1.11
pull
Entries 79
Mean 128.8
Std Dev 92.76
pull1D
Entries 79
Mean 0.01836
Std Dev 0.4882

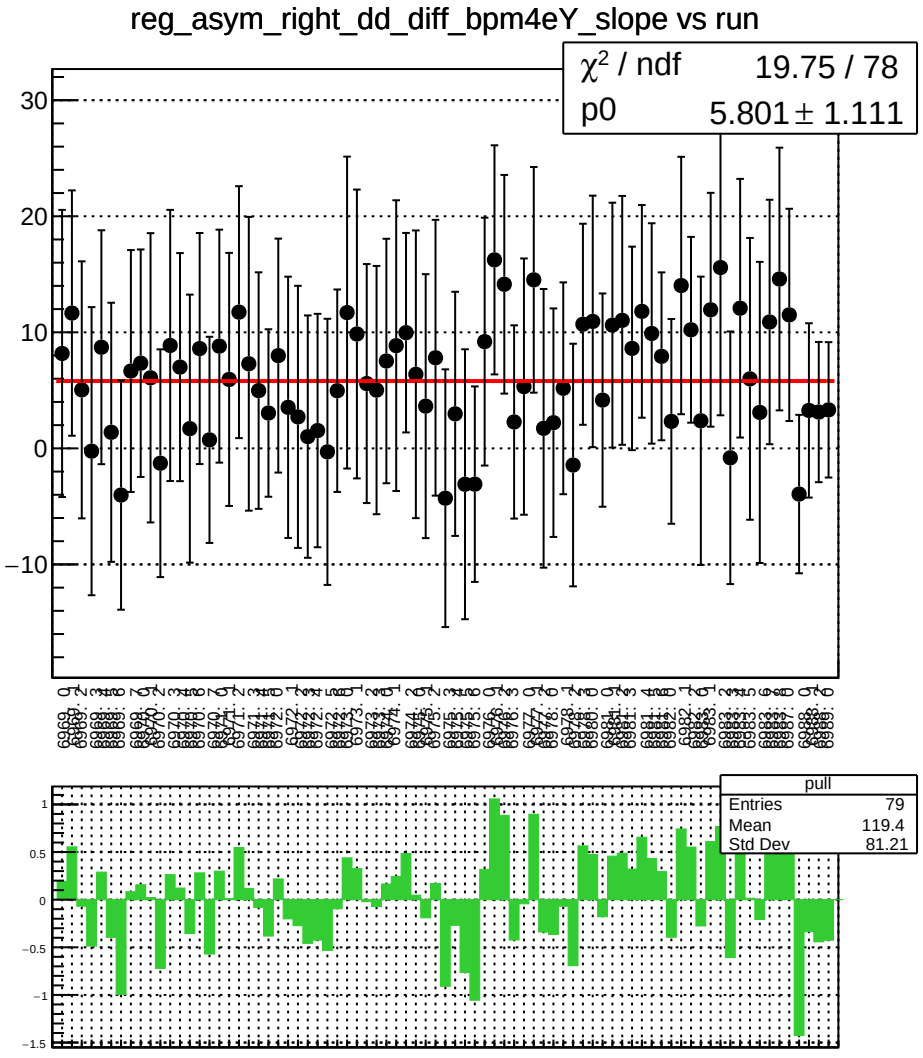

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 102.3 / 78
p0 −19.06 ± 0.04281
pull
Entries 79
Mean −346.5
Std Dev 391.5
pull1D
Entries 79
Mean −0.0368
Std Dev 1.137

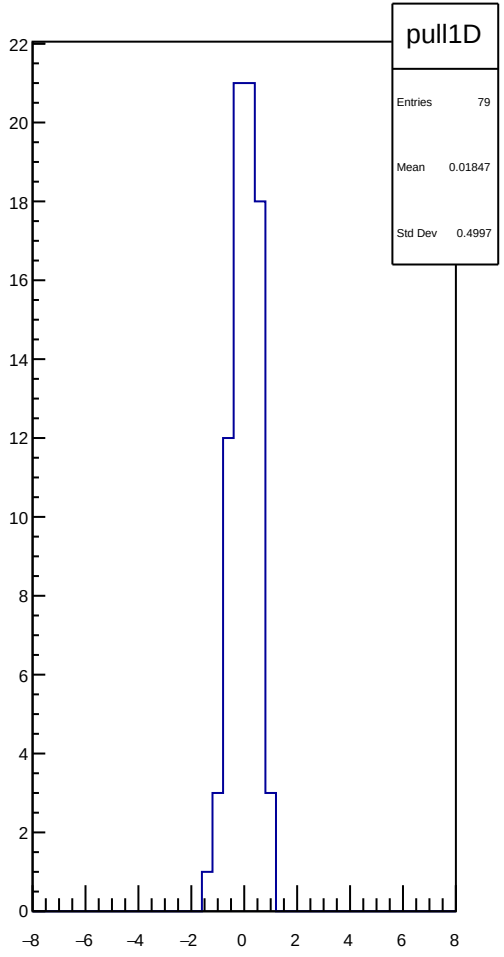

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 25.21 / 78
p0 −39.04 ± 1.376
pull
Entries 79
Mean −148
Std Dev 191.9
pull1D
Entries 79
Mean −0.01951
Std Dev 0.5646

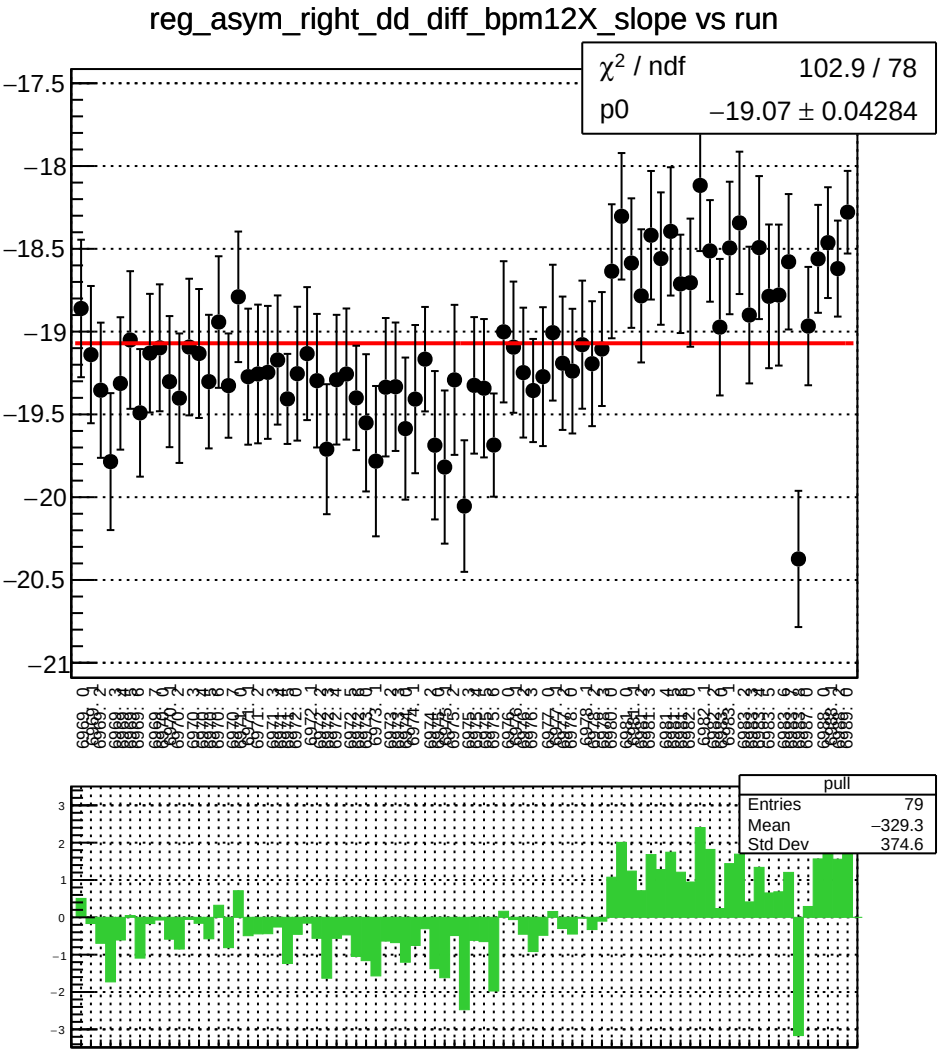

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 16.03 / 78
p0 2.47 ± 0.9687
pull
Entries 79
Mean 93.37
Std Dev 49.38

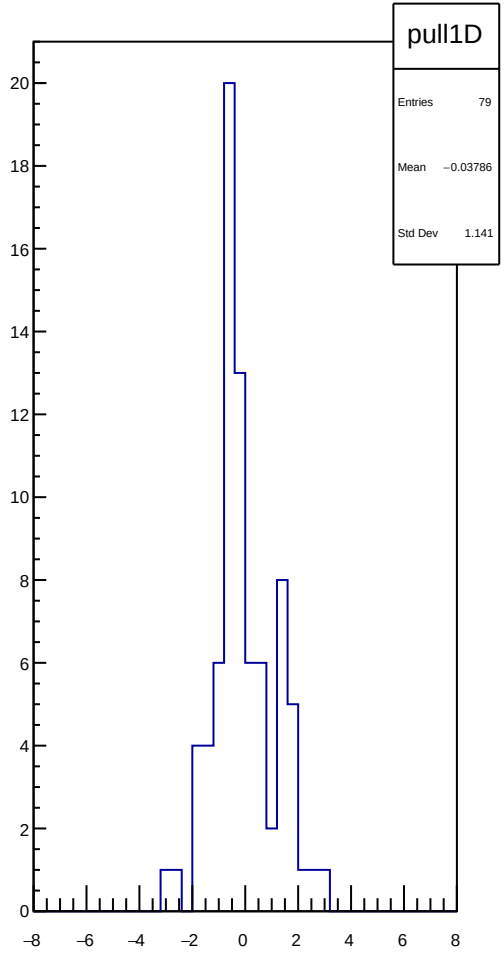

pull1D
Entries 79
Mean −0.01551
Std Dev 0.4502

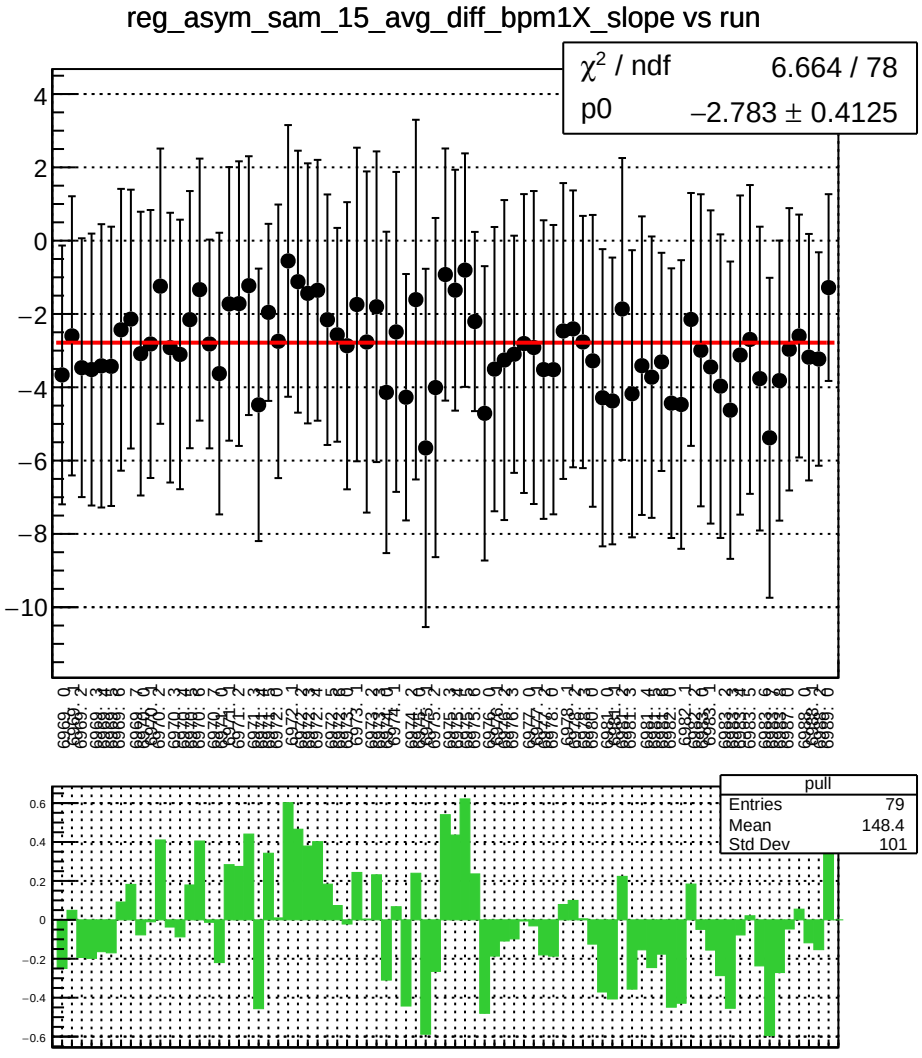

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 25.98 / 78
p0 66.39 ± 1.265
pull
Entries 79
Mean −149.5
Std Dev 193.4
pull1D
Entries 79
Mean 0.02197
Std Dev 0.5731

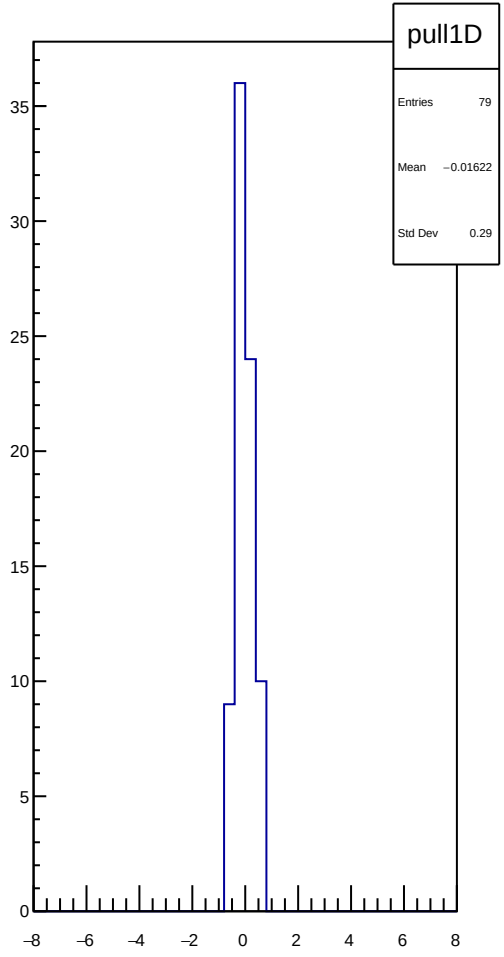

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 19.75 / 78
p0 5.801 ± 1.111
pull
Entries 79
Mean 119.4
Std Dev 81.21

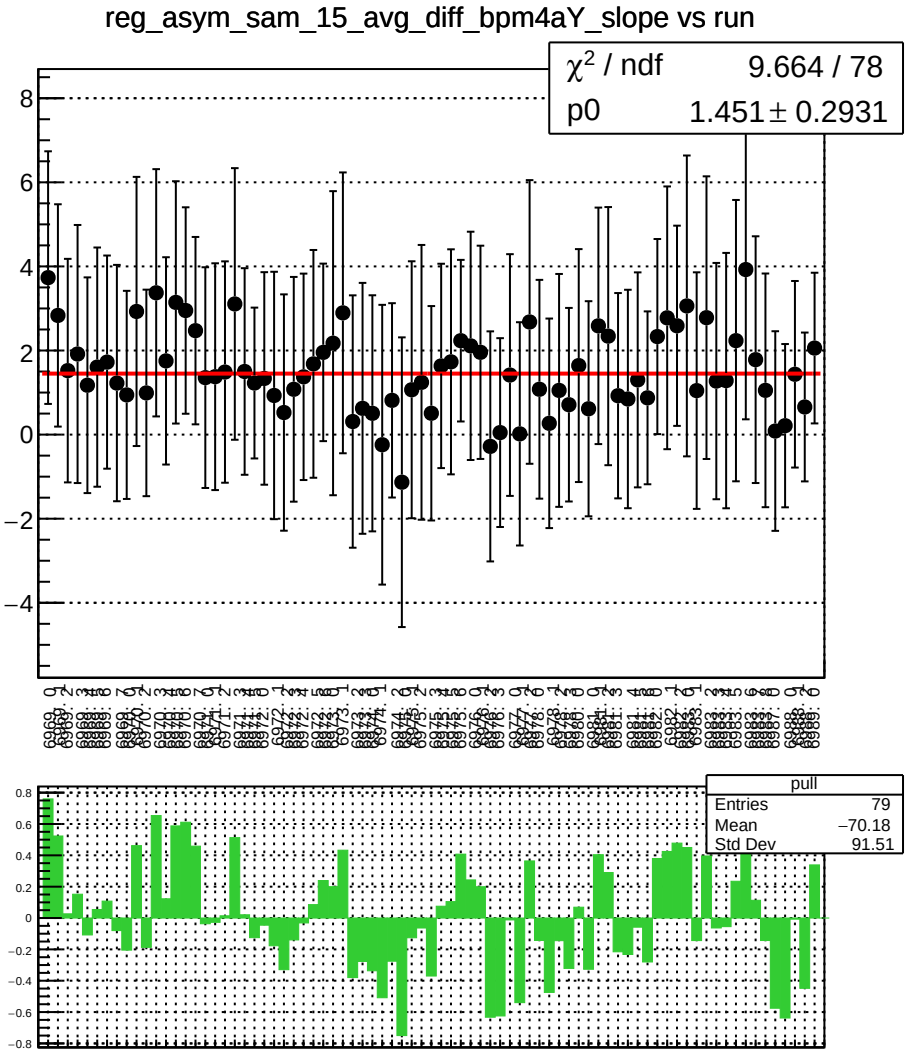

pull1D
Entries 79
Mean 0.01847
Std Dev 0.4997

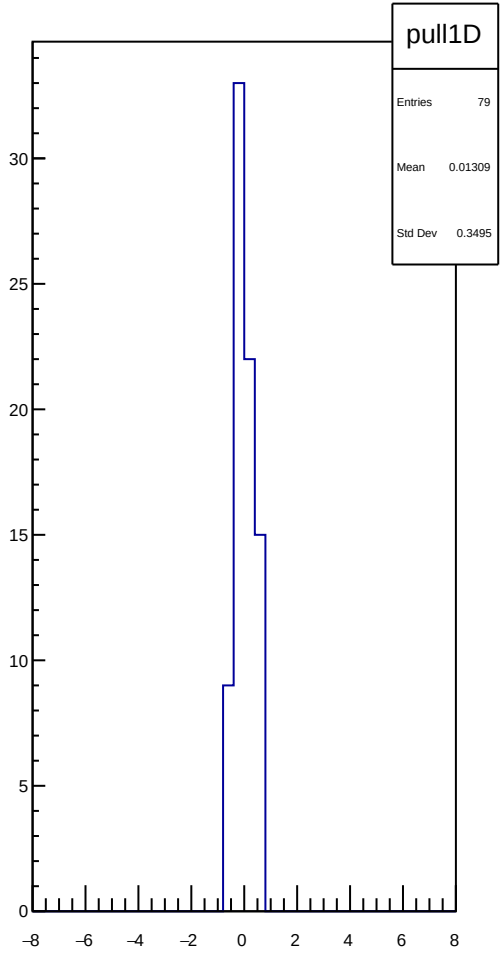

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 102.9 / 78
p0 −19.07 ± 0.04284
pull
Entries 79
Mean −329.3
Std Dev 374.6

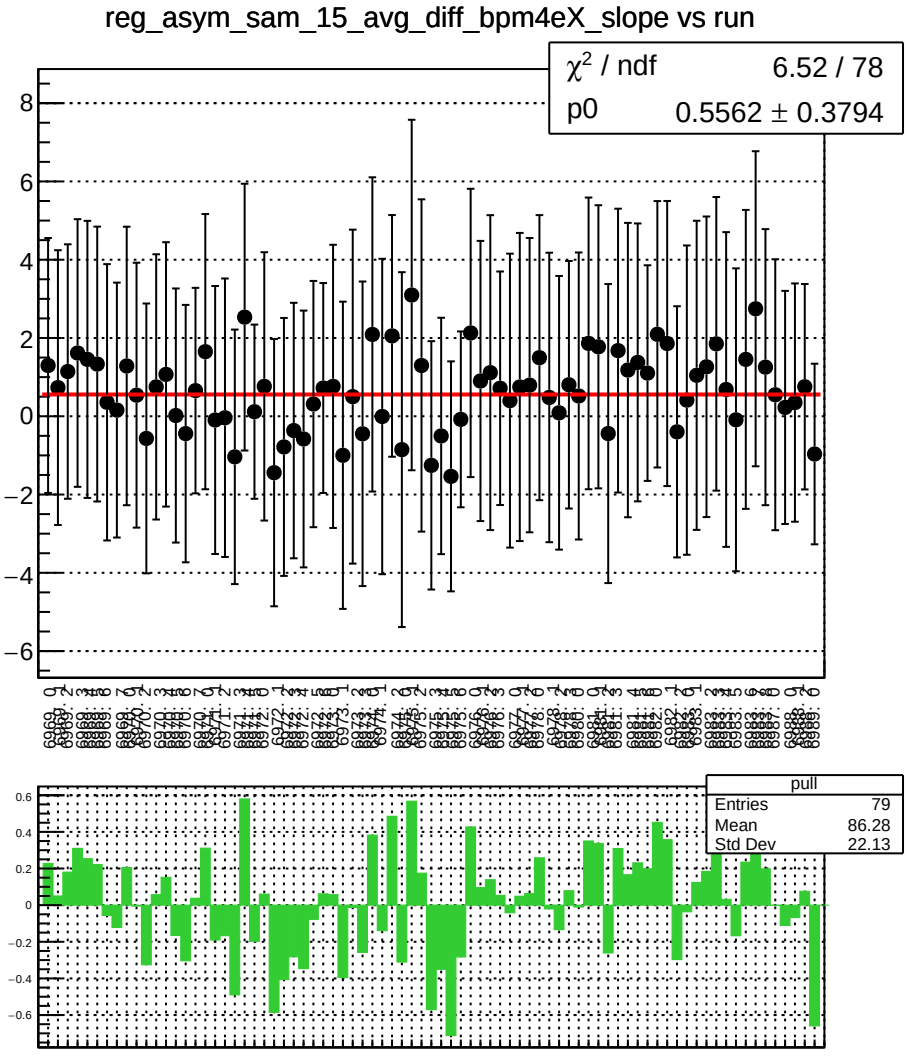

pull1D
Entries 79
Mean −0.03786
Std Dev 1.141

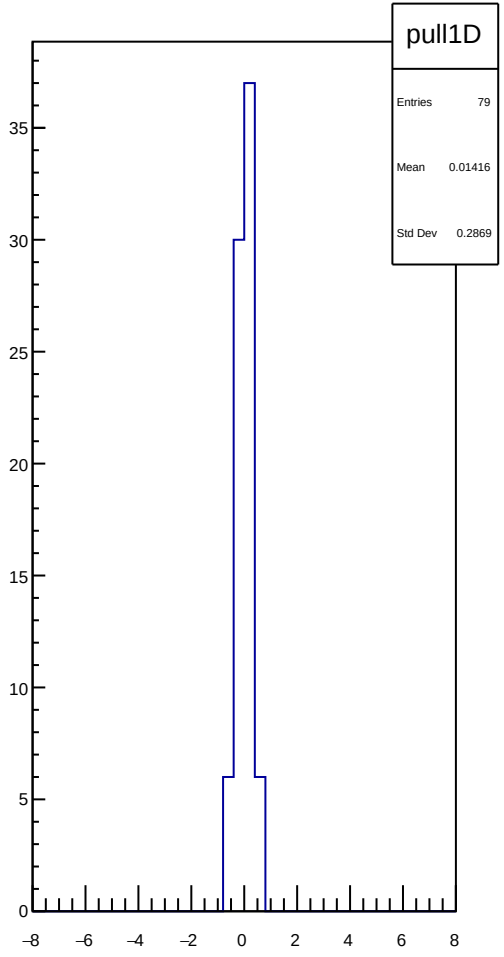

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 6.664 / 78
p0 −2.783 ± 0.4125
pull
Entries 79
Mean 148.4
Std Dev 101

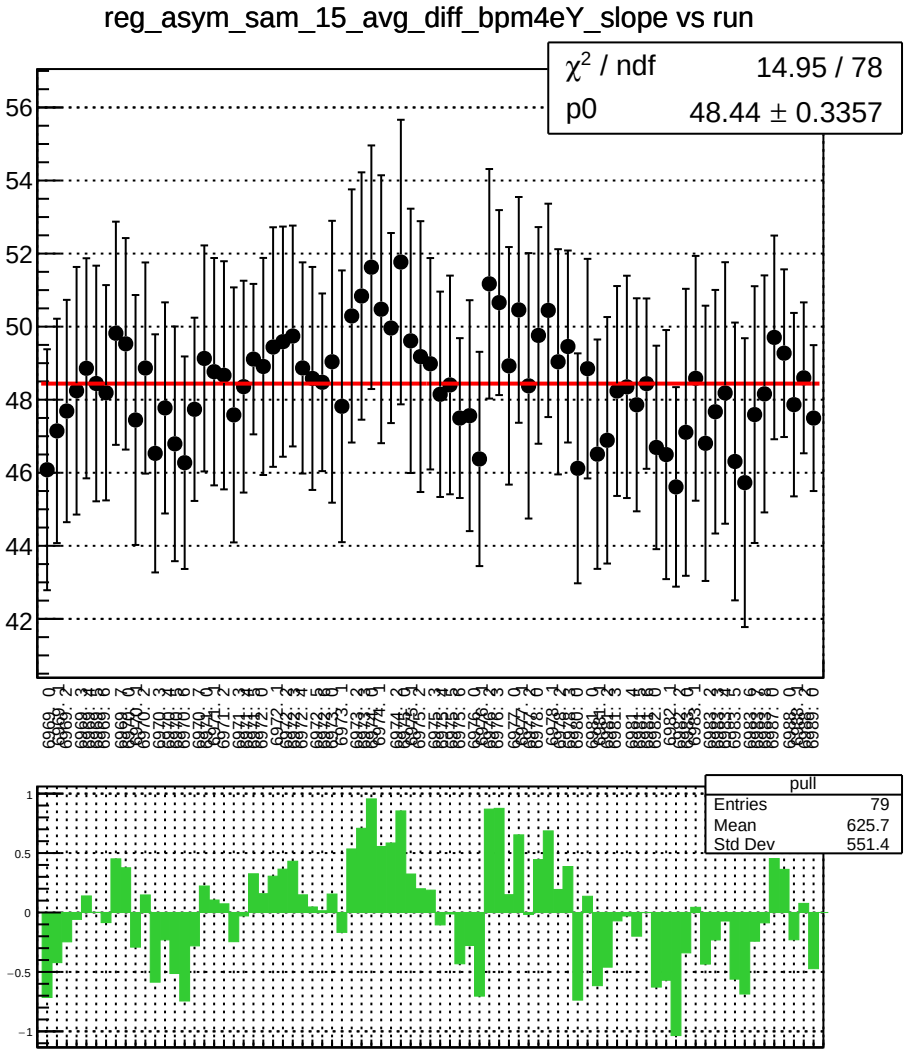

pull1D
Entries 79
Mean −0.01622
Std Dev 0.29

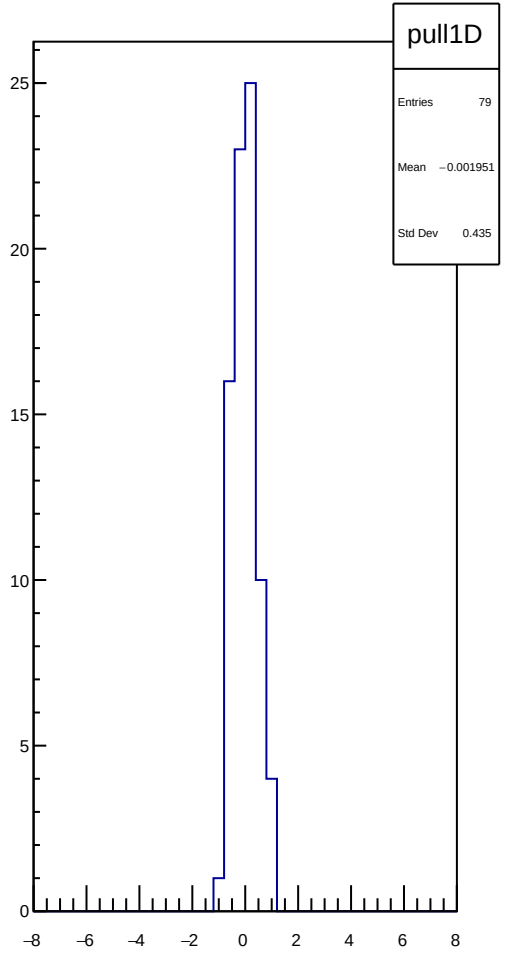

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 9.664 / 78
p0 1.451 ± 0.2931
pull
Entries 79
Mean −70.18
Std Dev 91.51

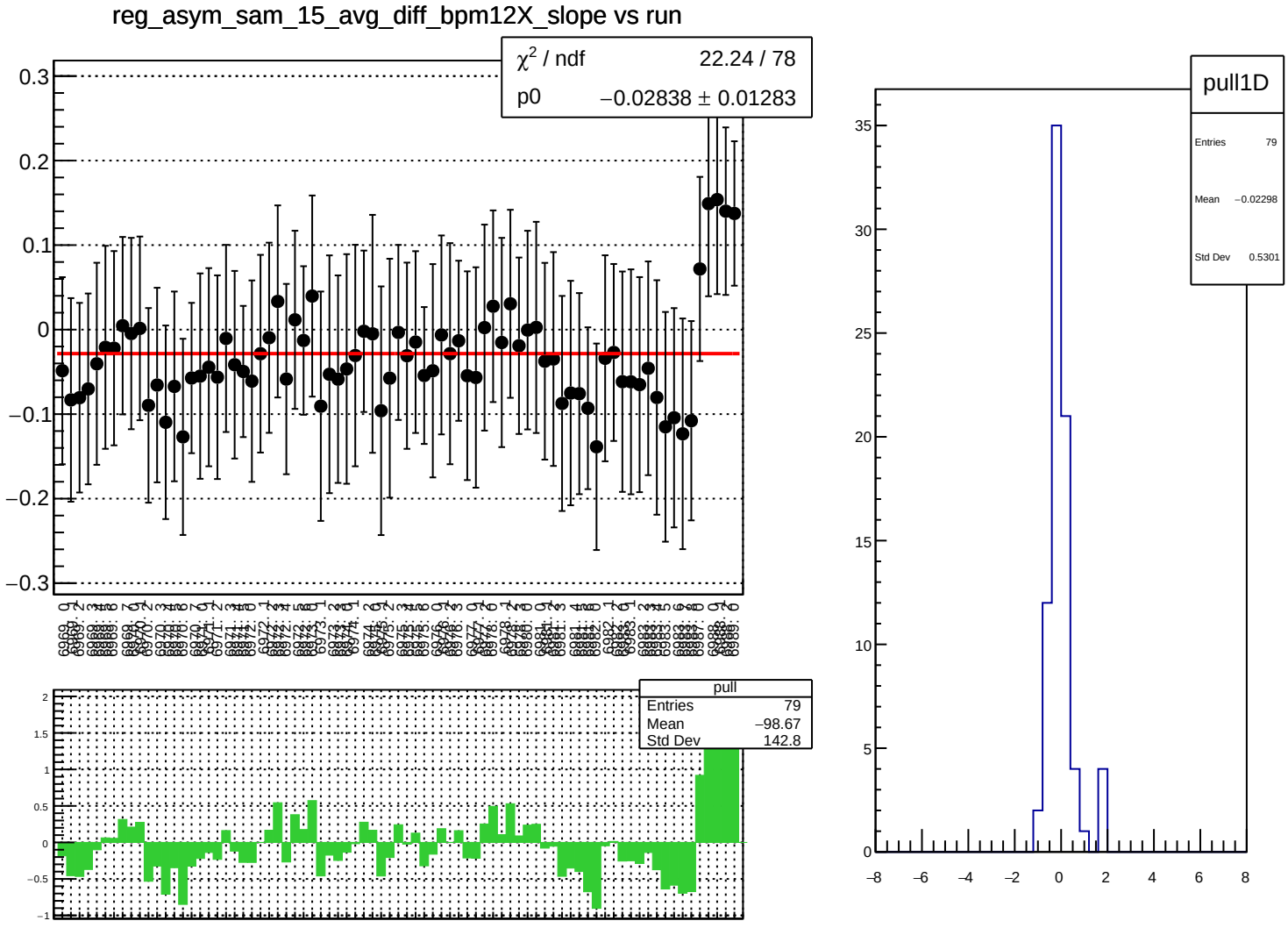

pull1D
Entries 79
Mean 0.01309
Std Dev 0.3495

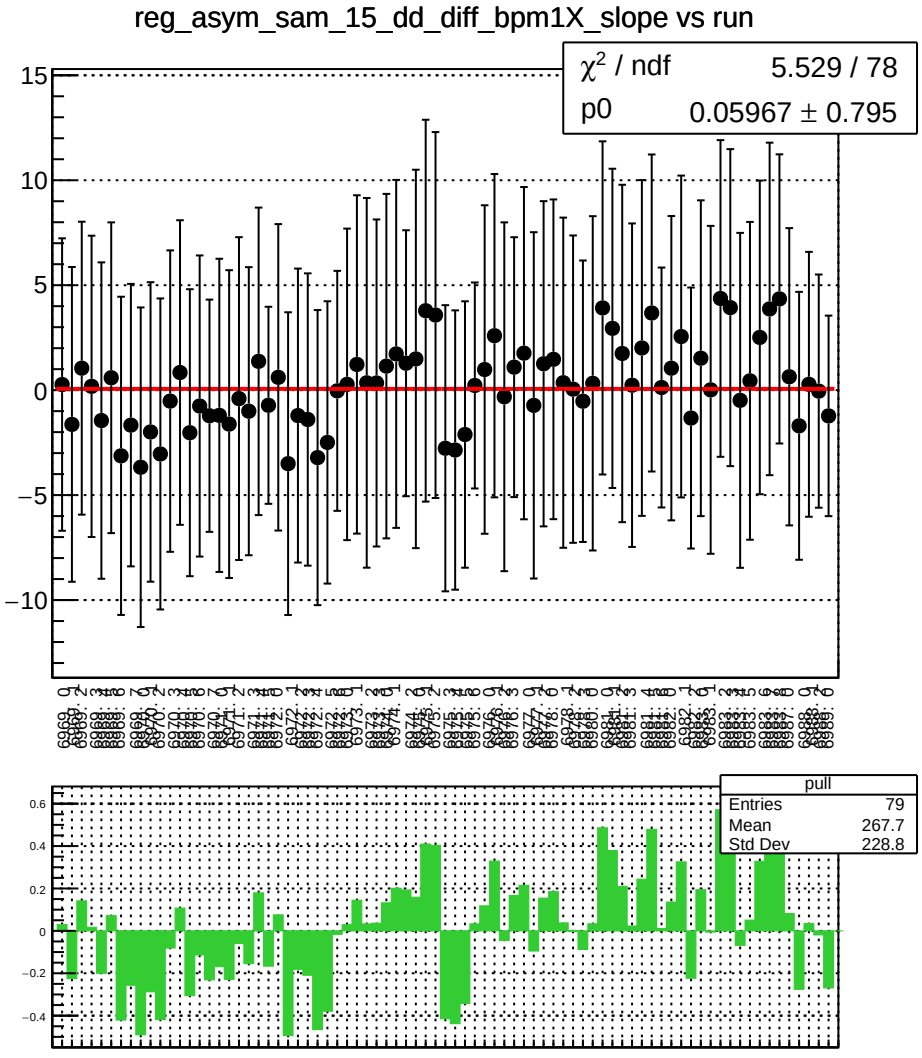

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 6.52 / 78
p0 0.5562 ± 0.3794
pull
Entries 79
Mean 86.28
Std Dev 22.13

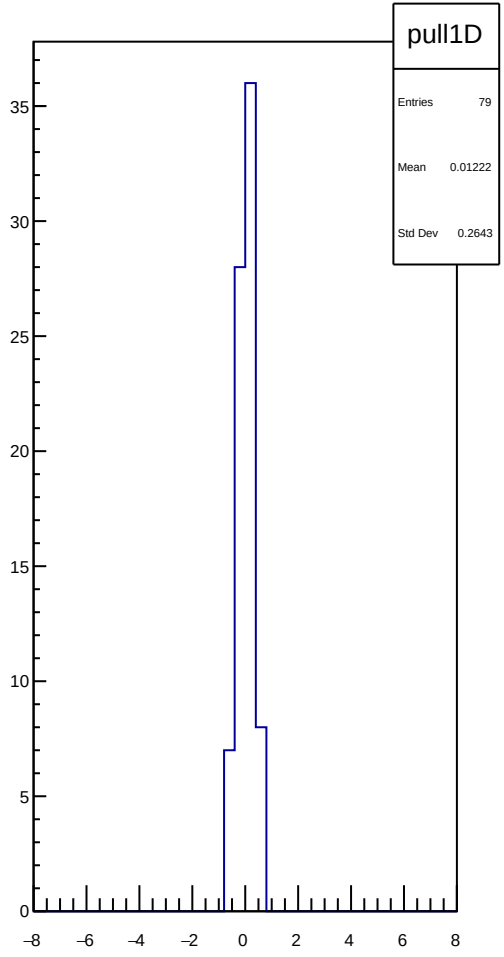

pull1D
Entries 79
Mean 0.01416
Std Dev 0.2869

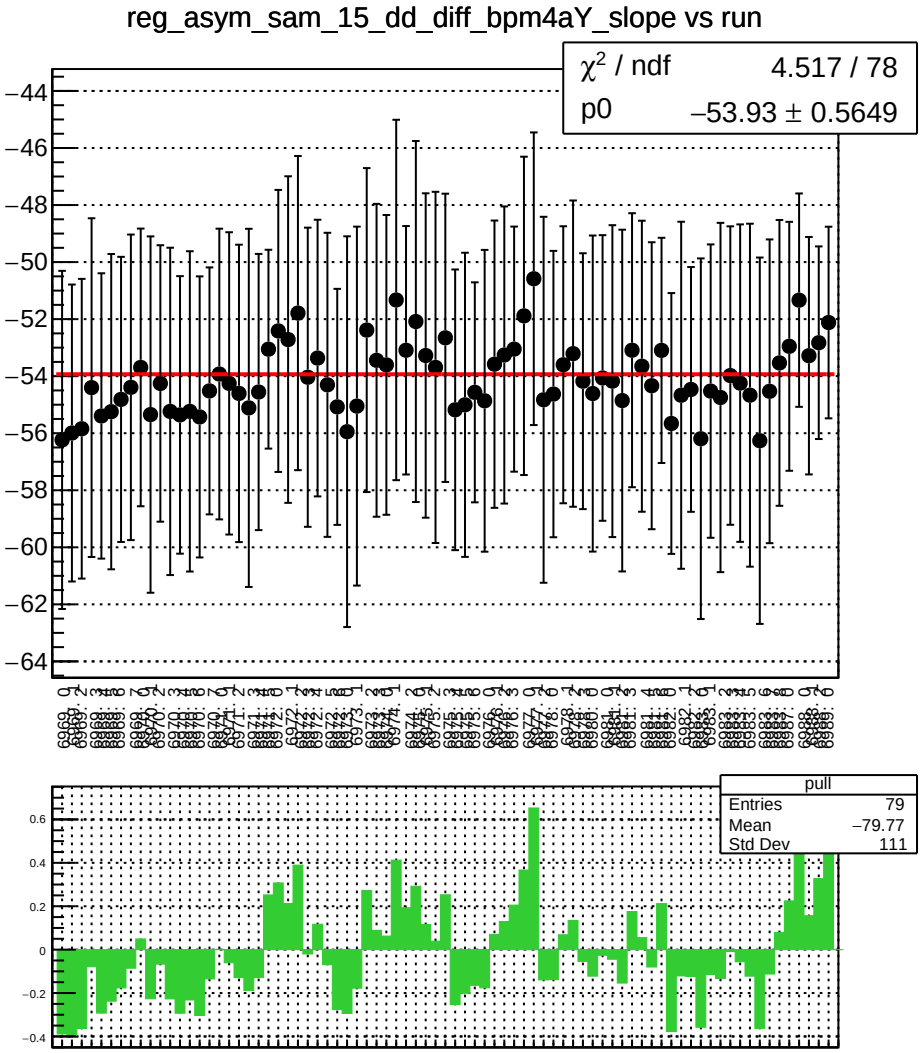

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 14.95 / 78
p0 48.44 ± 0.3357
pull
Entries 79
Mean 625.7
Std Dev 551.4

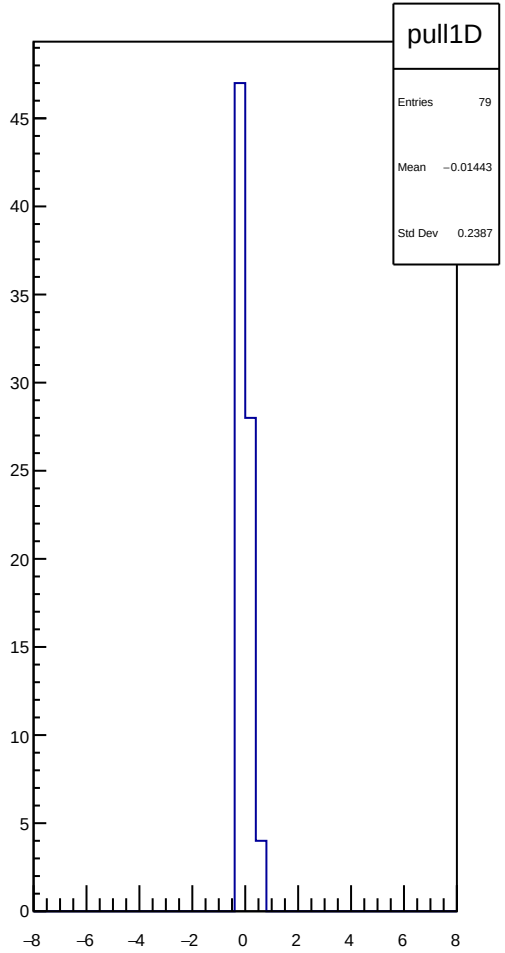

pull1D
Entries 79
Mean −0.001951
Std Dev 0.435

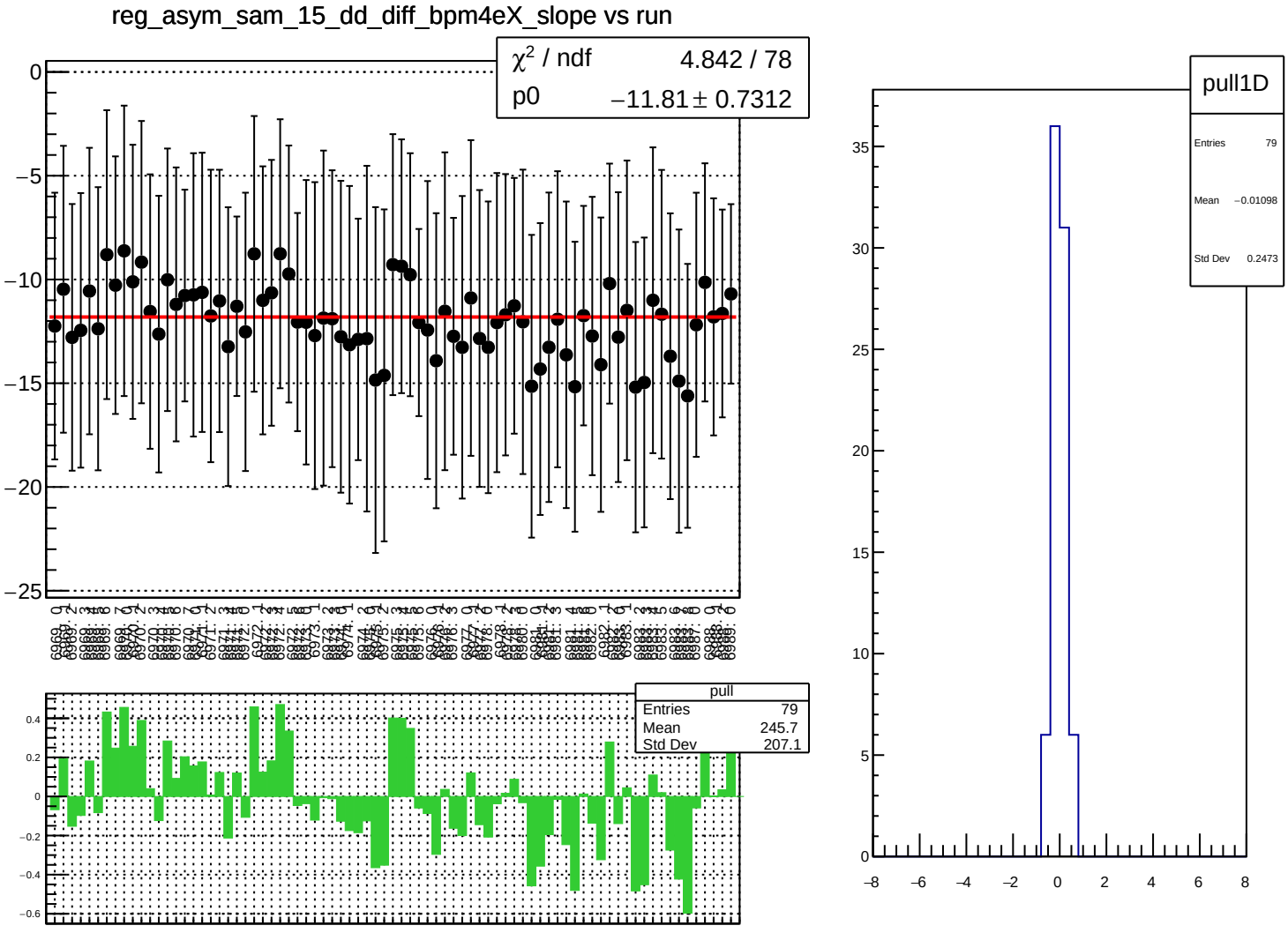

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 22.24 / 78
p0 −0.02838 ± 0.01283
pull
Entries 79
Mean −98.67
Std Dev 142.8
pull1D
Entries 79
Mean −0.02298
Std Dev 0.5301

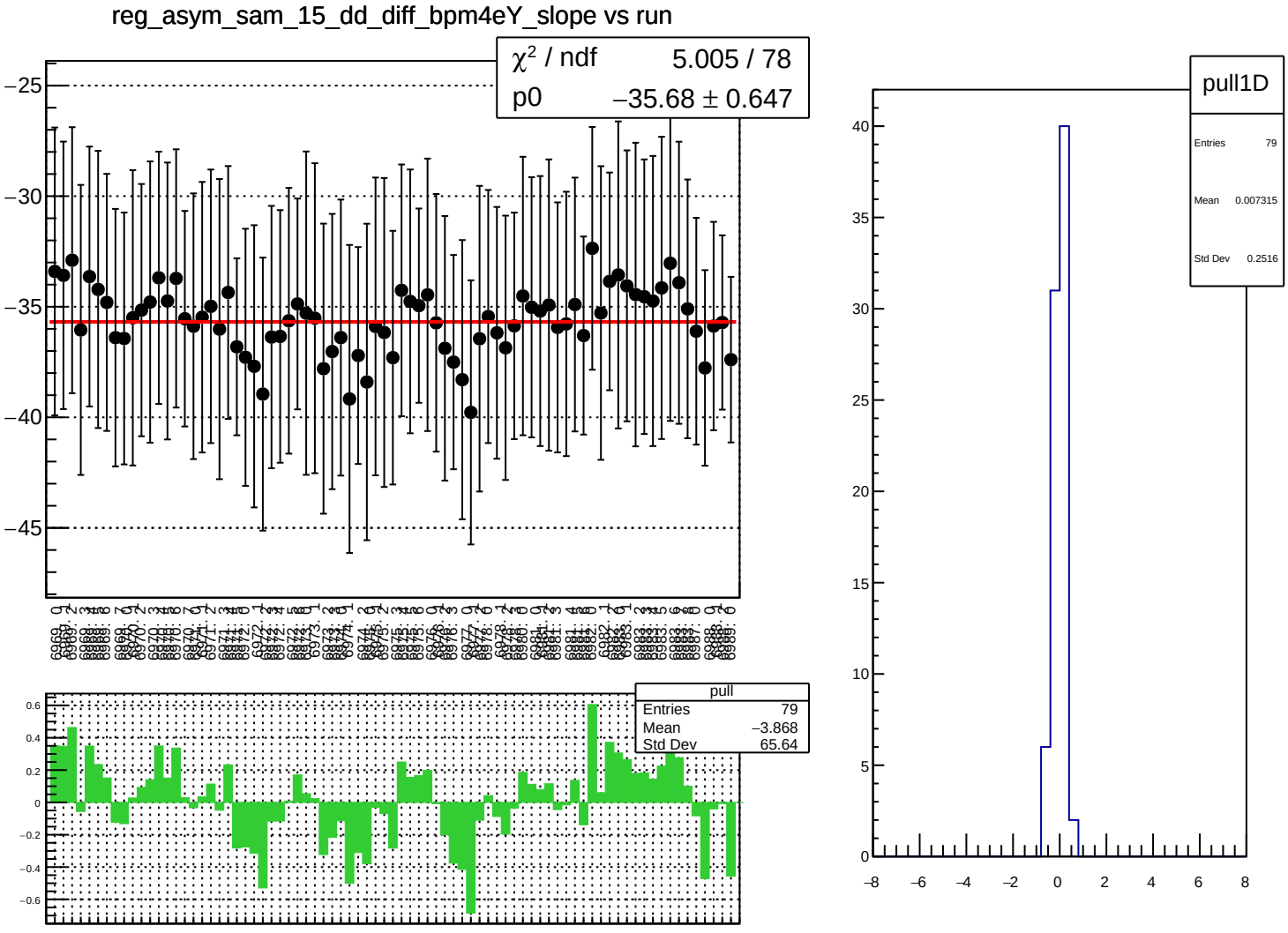

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 5.529 / 78
p0 0.05967 ± 0.795
pull
Entries 79
Mean 267.7
Std Dev 228.8

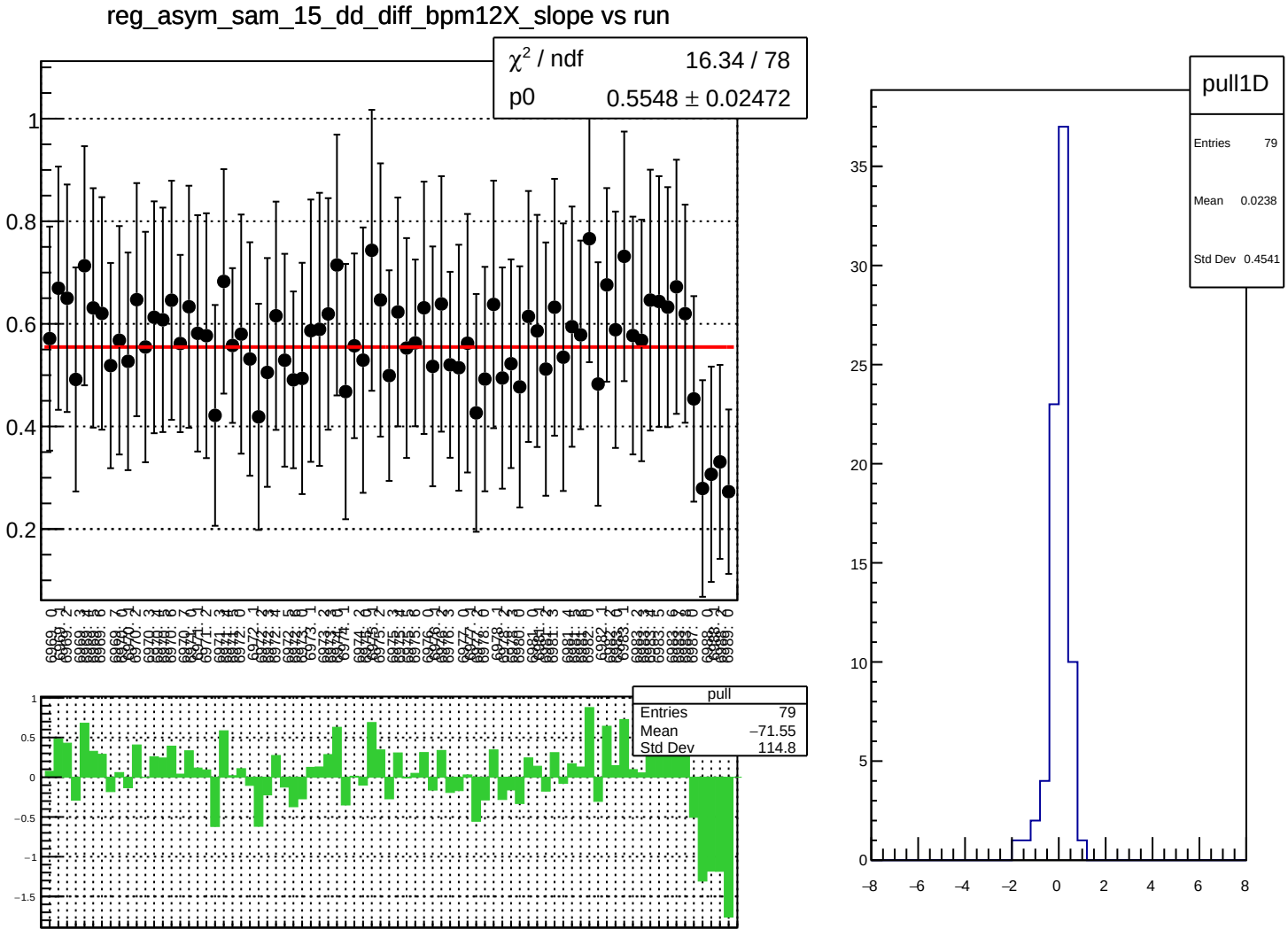

pull1D
Entries 79
Mean 0.01222
Std Dev 0.2643

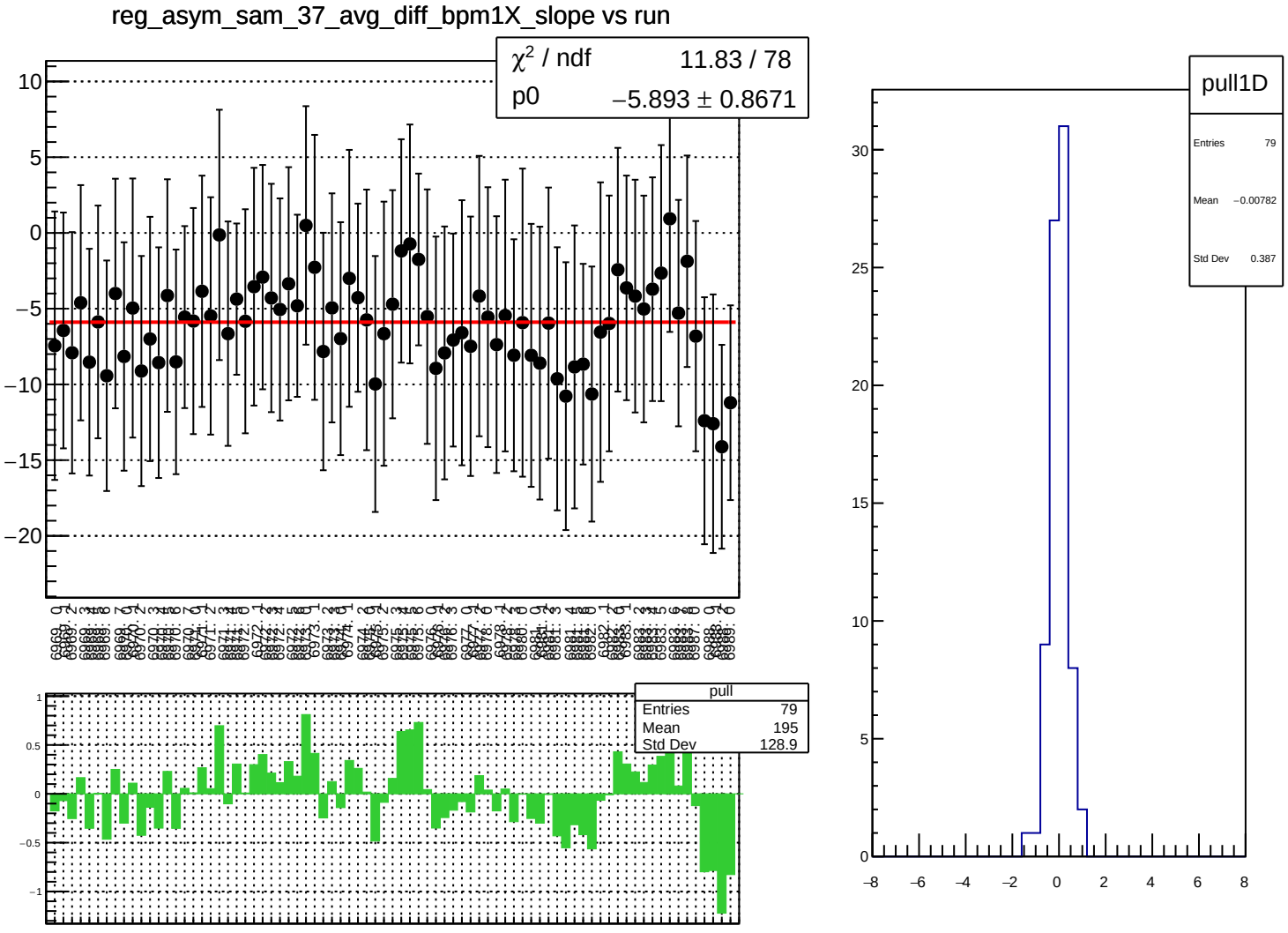

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 4.517 / 78
p0 −53.93 ± 0.5649
pull
Entries 79
Mean −79.77
Std Dev 111

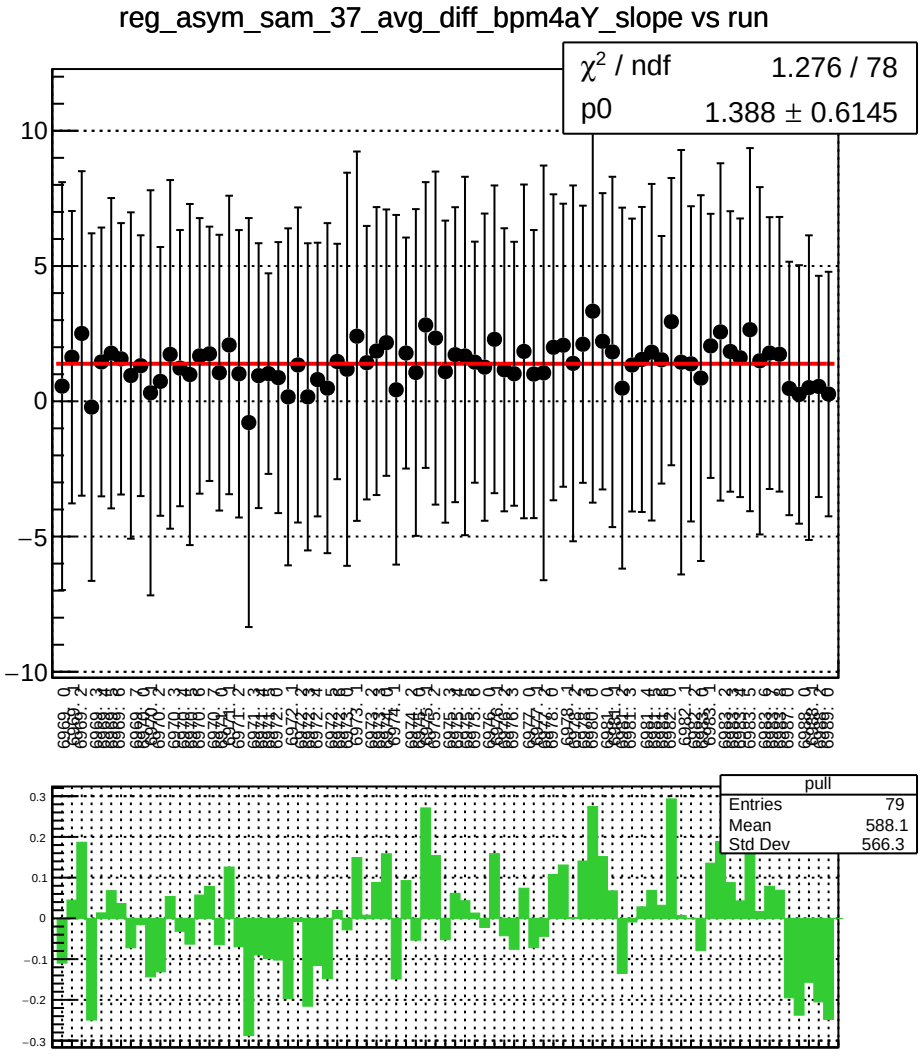

pull1D
Entries 79
Mean −0.01443
Std Dev 0.2387

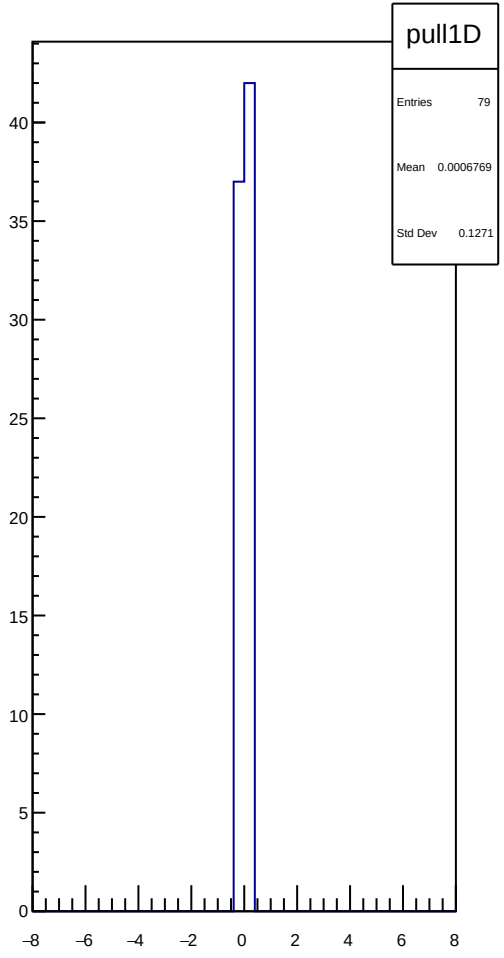

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.842 / 78
p0 −11.81 ± 0.7312
pull
Entries 79
Mean 245.7
Std Dev 207.1
pull1D
Entries 79
Mean −0.01098
Std Dev 0.2473

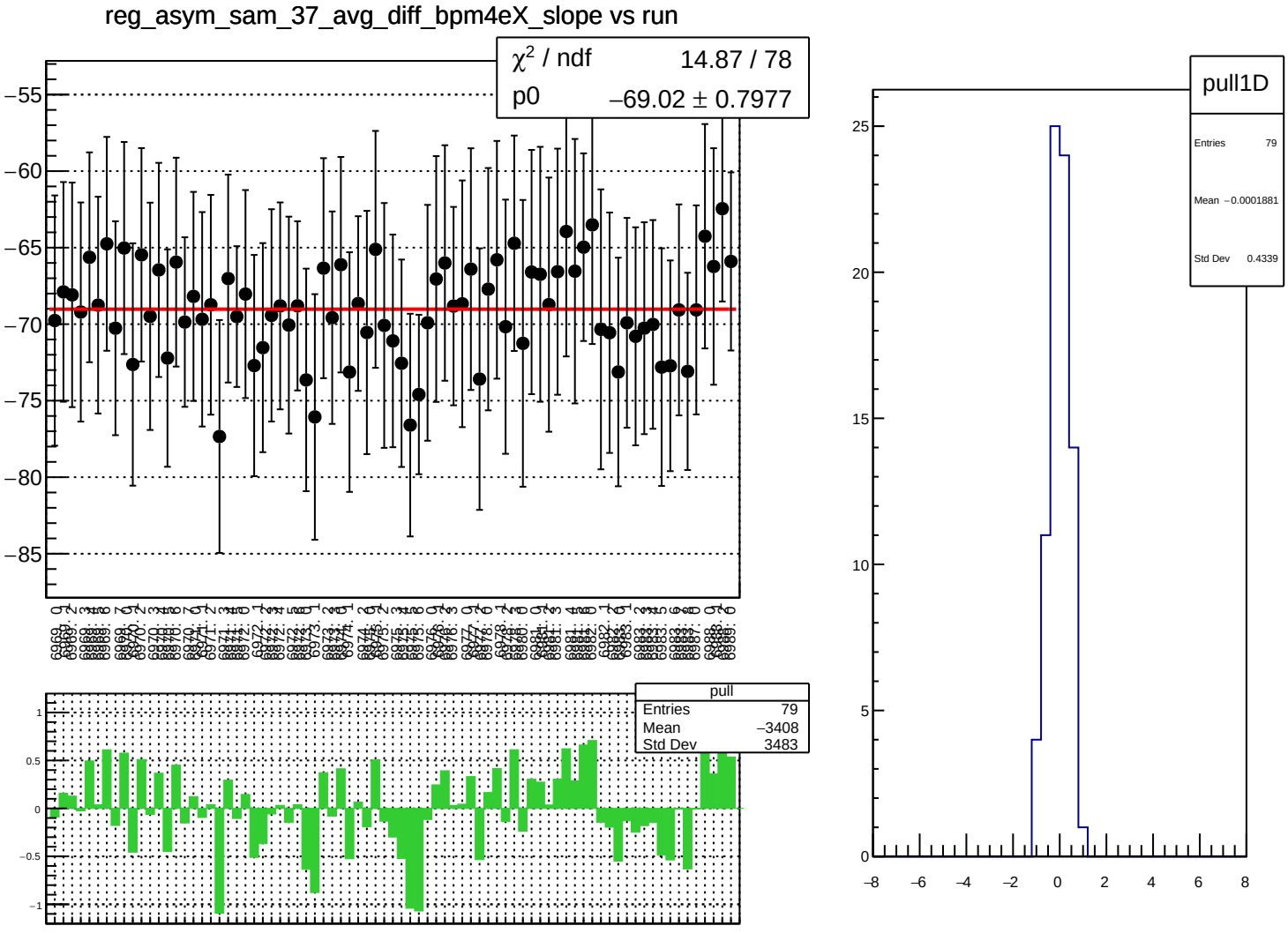

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.005 / 78
p0 −35.68 ± 0.647
pull
Entries 79
Mean −3.868
Std Dev 65.64
pull1D
Entries 79
Mean 0.007315
Std Dev 0.2516

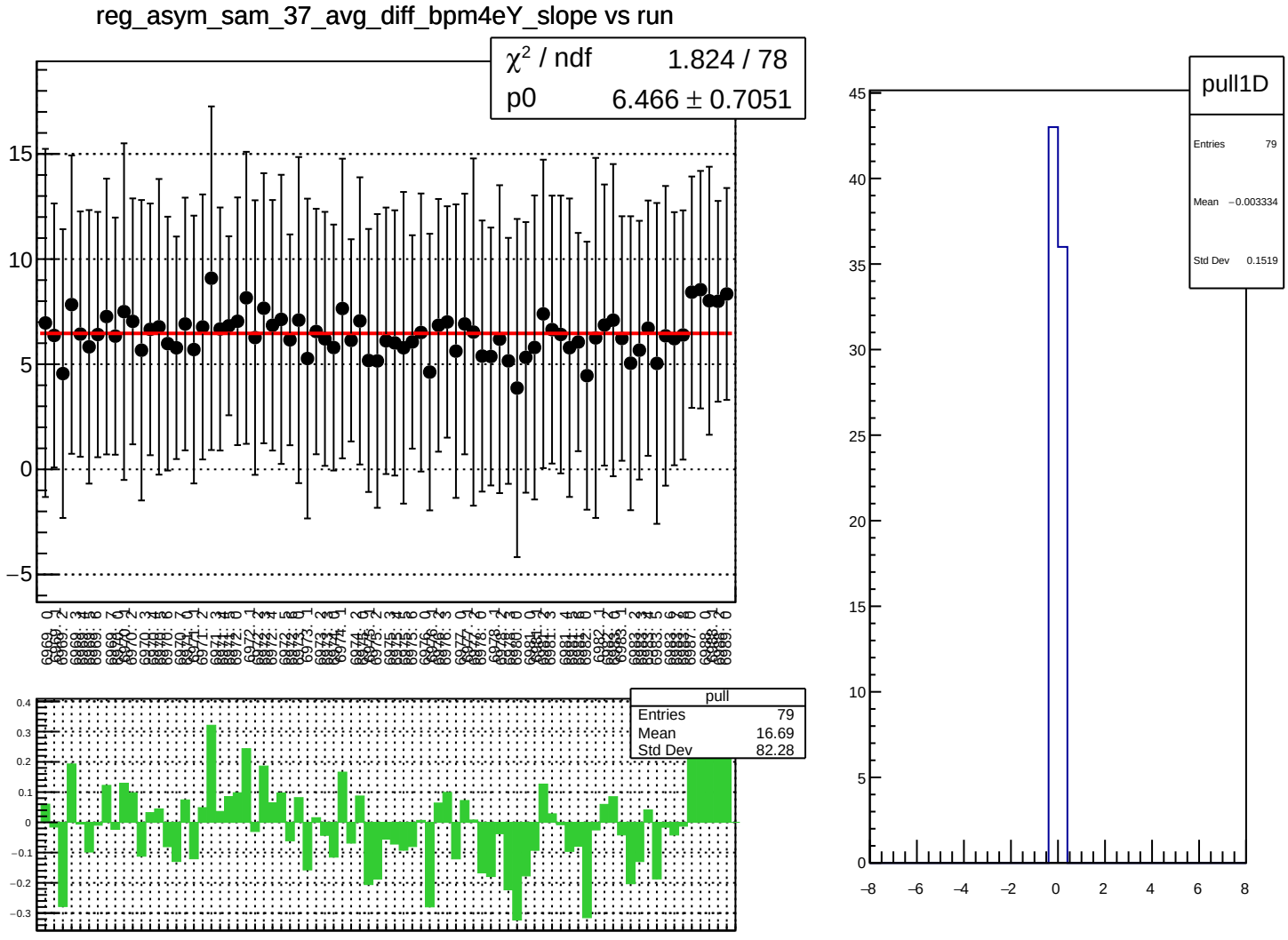

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 16.34 / 78
p0 0.5548 ± 0.02472
pull
Entries 79
Mean −71.55
Std Dev 114.8
pull1D
Entries 79
Mean 0.0238
Std Dev 0.4541

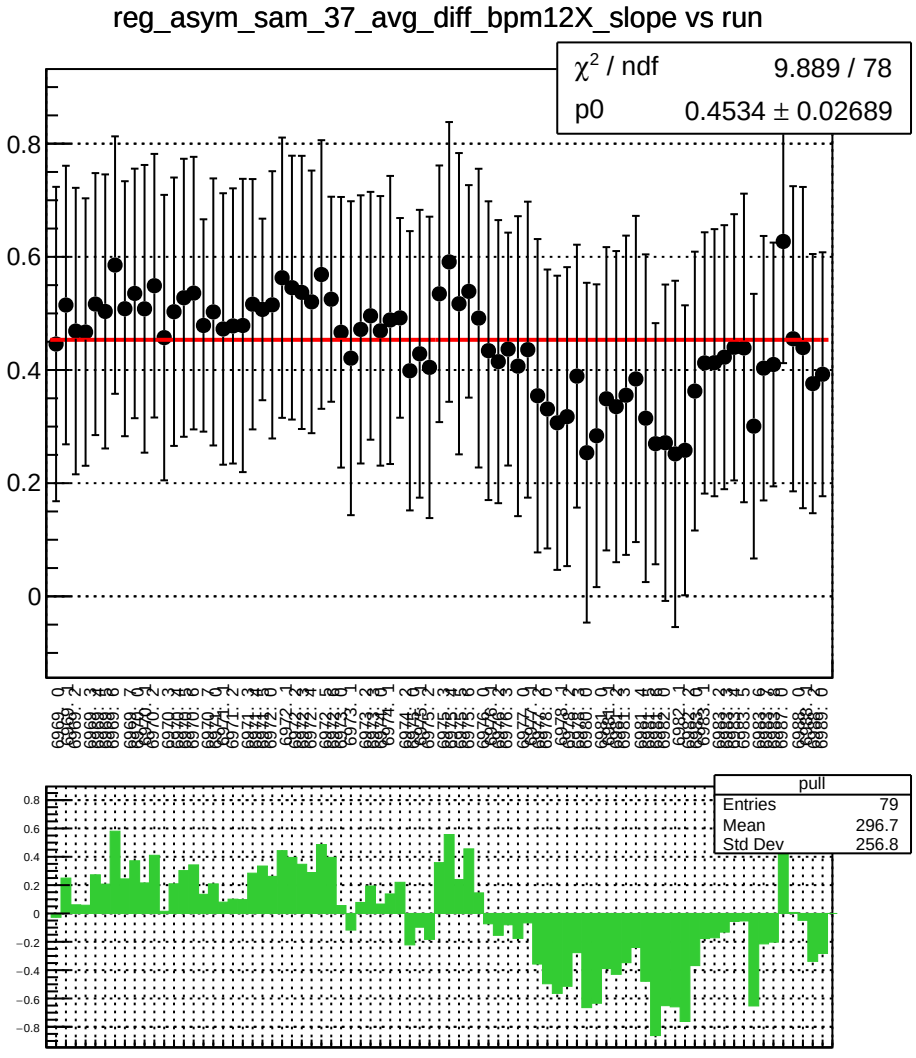

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 11.83 / 78
p0 −5.893 ± 0.8671
pull
Entries 79
Mean 195
Std Dev 128.9
pull1D
Entries 79
Mean −0.00782
Std Dev 0.387

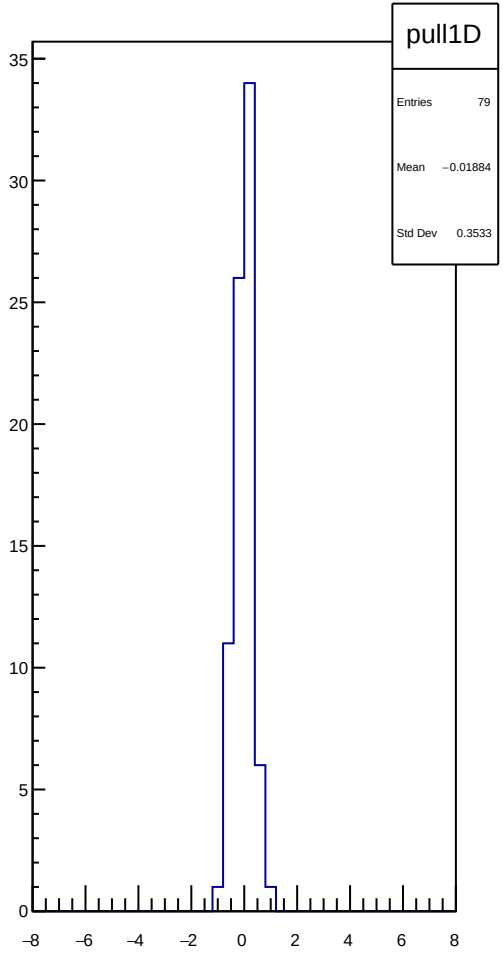

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.276 / 78
p0 1.388 ± 0.6145
pull
Entries 79
Mean 588.1
Std Dev 566.3

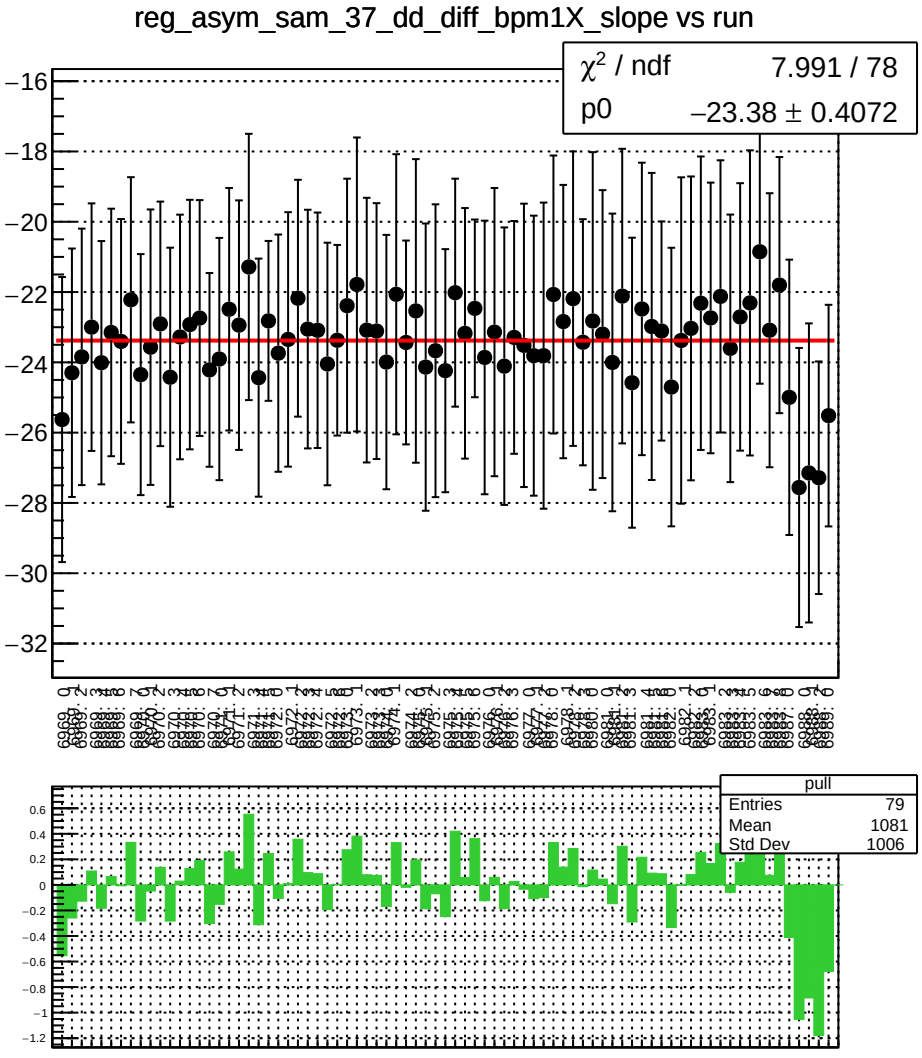

pull1D
Entries 79
Mean 0.0006769
Std Dev 0.1271

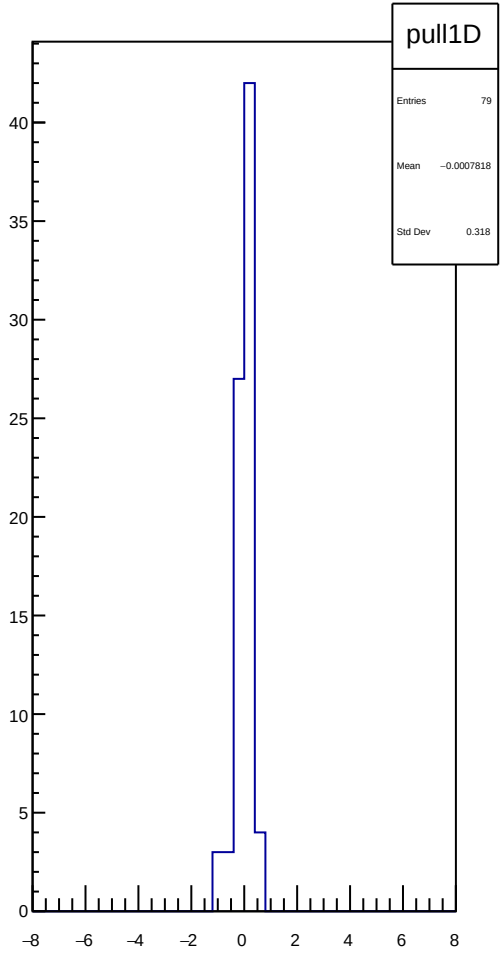

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 14.87 / 78
p0 −69.02 ± 0.7977
pull
Entries 79
Mean −3408
Std Dev 3483
pull1D
Entries 79
Mean −0.0001881
Std Dev 0.4339

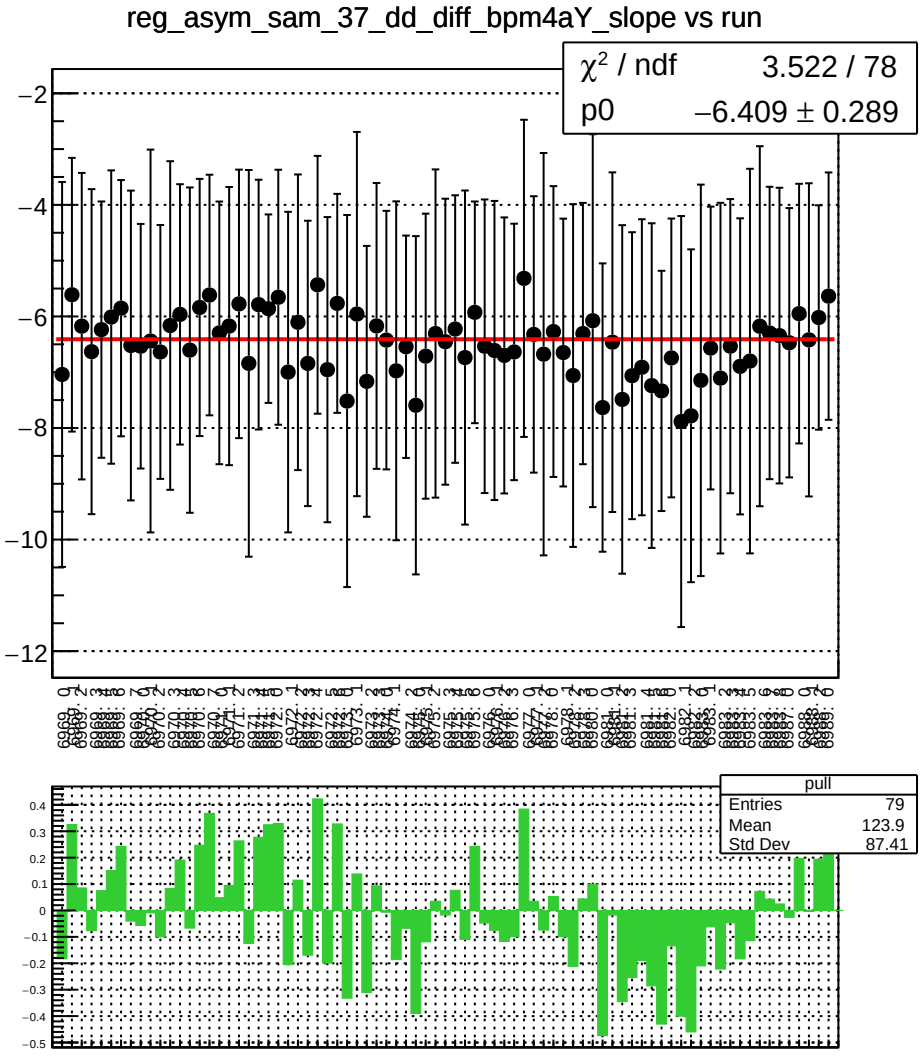

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.824 / 78
p0 6.466 ± 0.7051
pull
Entries 79
Mean 16.69
Std Dev 82.28
pull1D
Entries 79
Mean −0.003334
Std Dev 0.1519

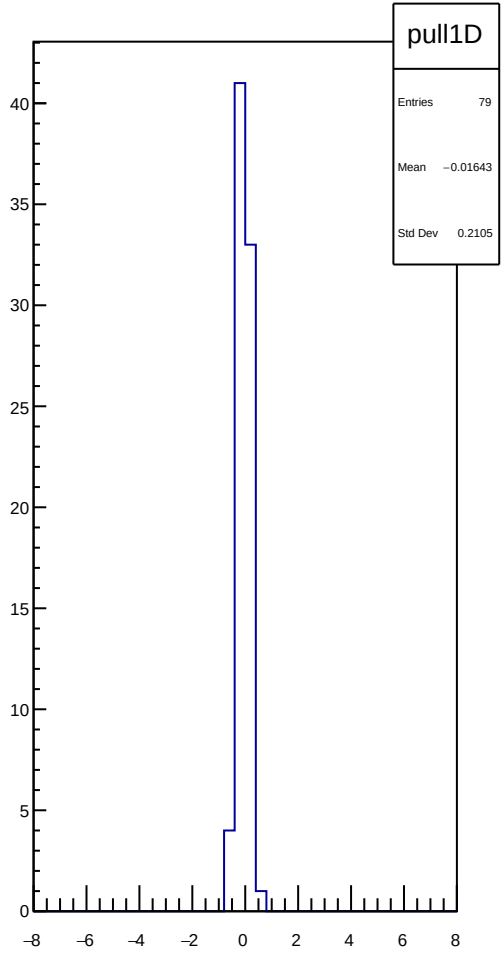

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ^2 / ndf 9.889 / 78
p0 0.4534 ± 0.02689
pull
Entries 79
Mean 296.7
Std Dev 256.8

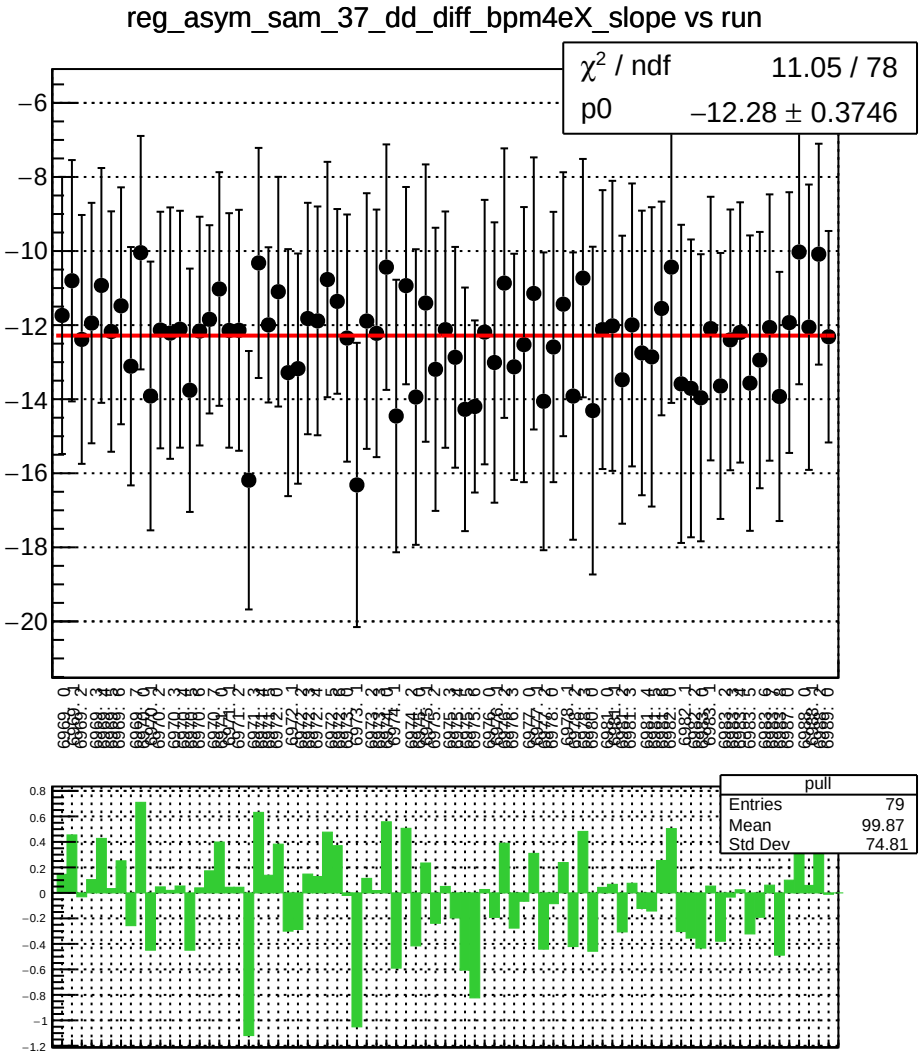

pull1D
Entries 79
Mean −0.01884
Std Dev 0.3533

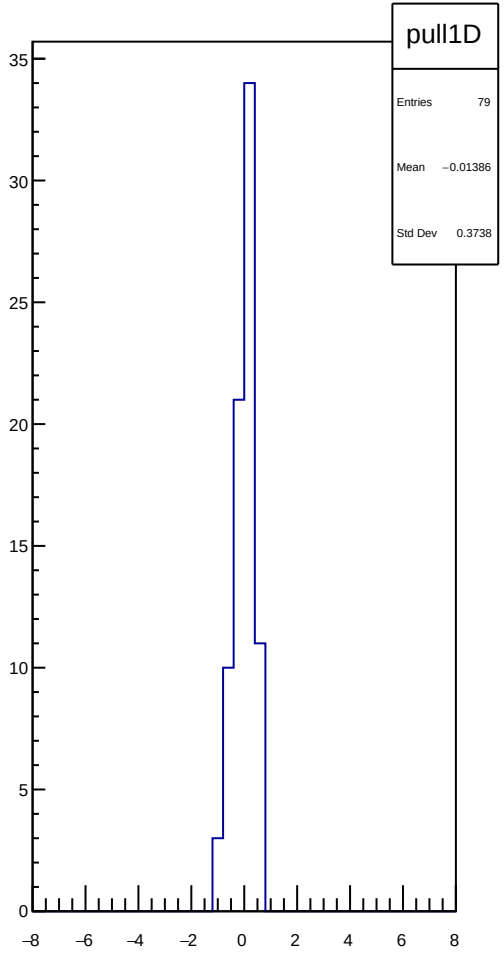

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ^2 / ndf 7.991 / 78
p0 −23.38 ± 0.4072
pull
Entries 79
Mean 1081
Std Dev 1006

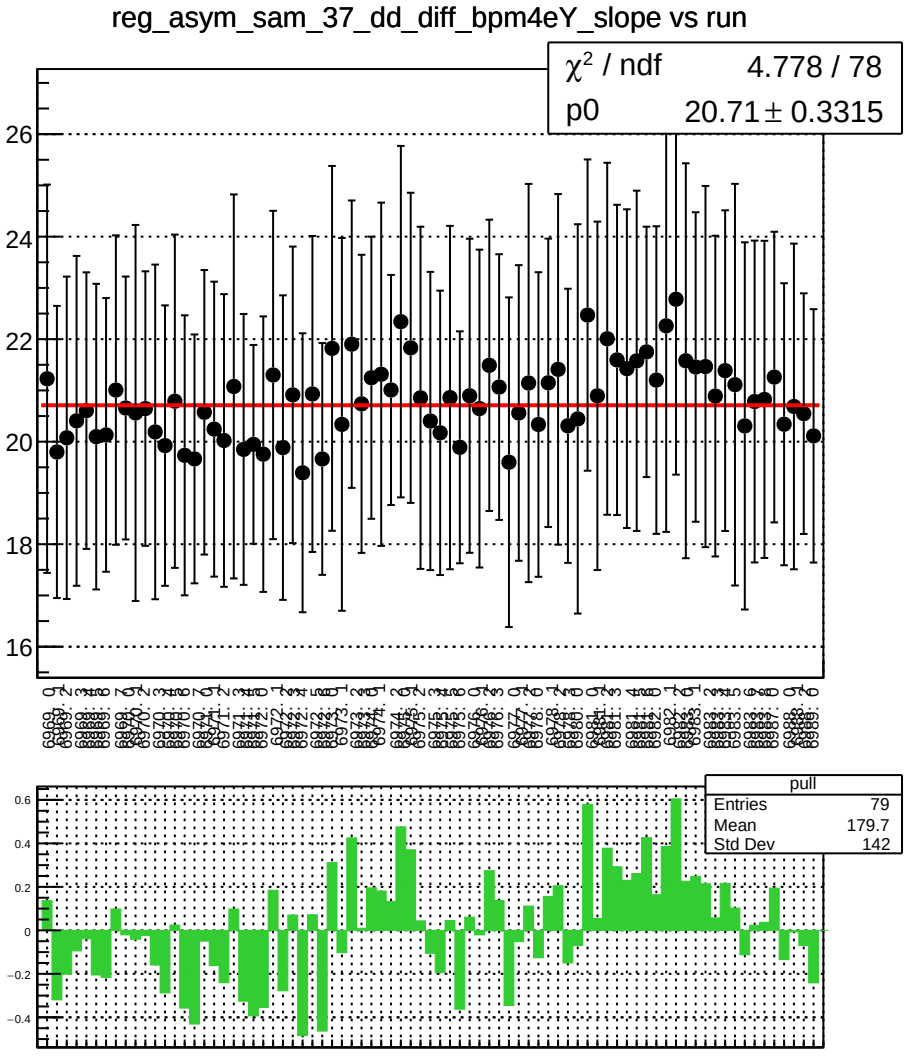

pull1D
Entries 79
Mean −0.0007818
Std Dev 0.318

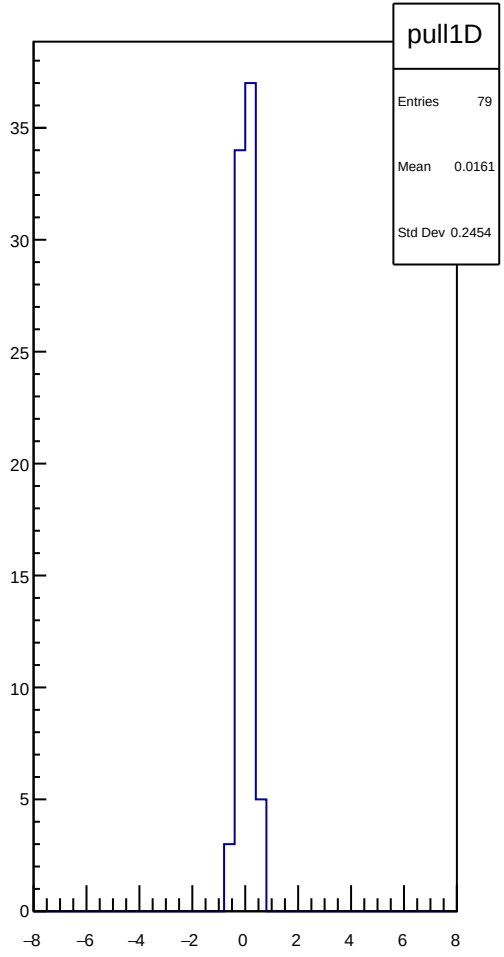

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.522 / 78
p0 −6.409 ± 0.289
pull
Entries 79
Mean 123.9
Std Dev 87.41

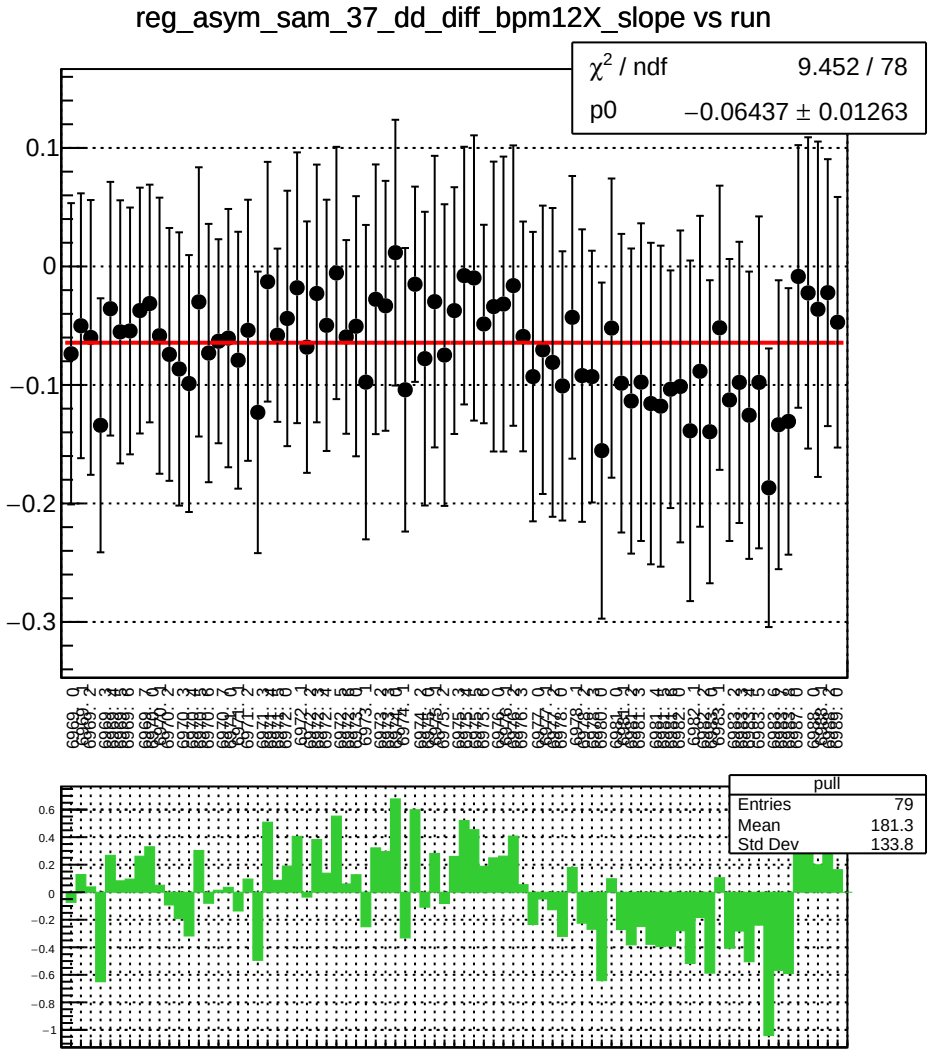

pull1D
Entries 79
Mean −0.01643
Std Dev 0.2105

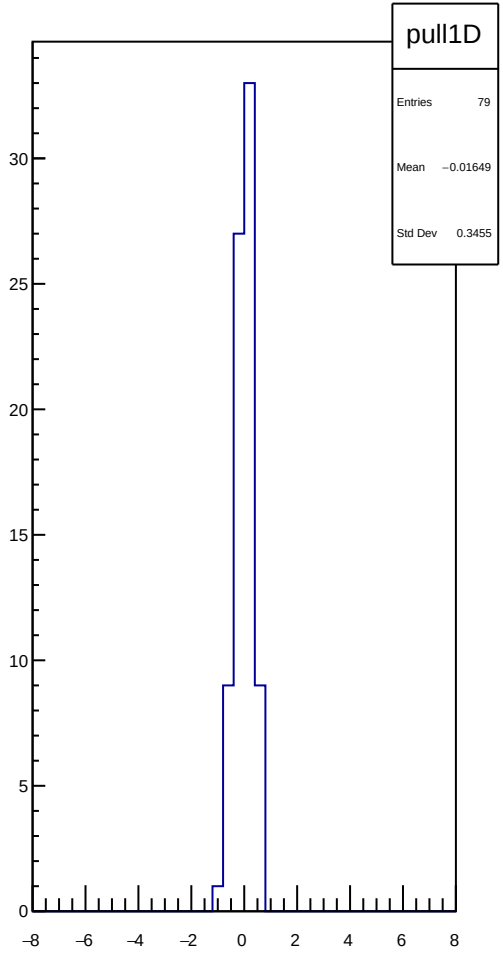

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 11.05 / 78
p0 −12.28 ± 0.3746
pull
Entries 79
Mean 99.87
Std Dev 74.81

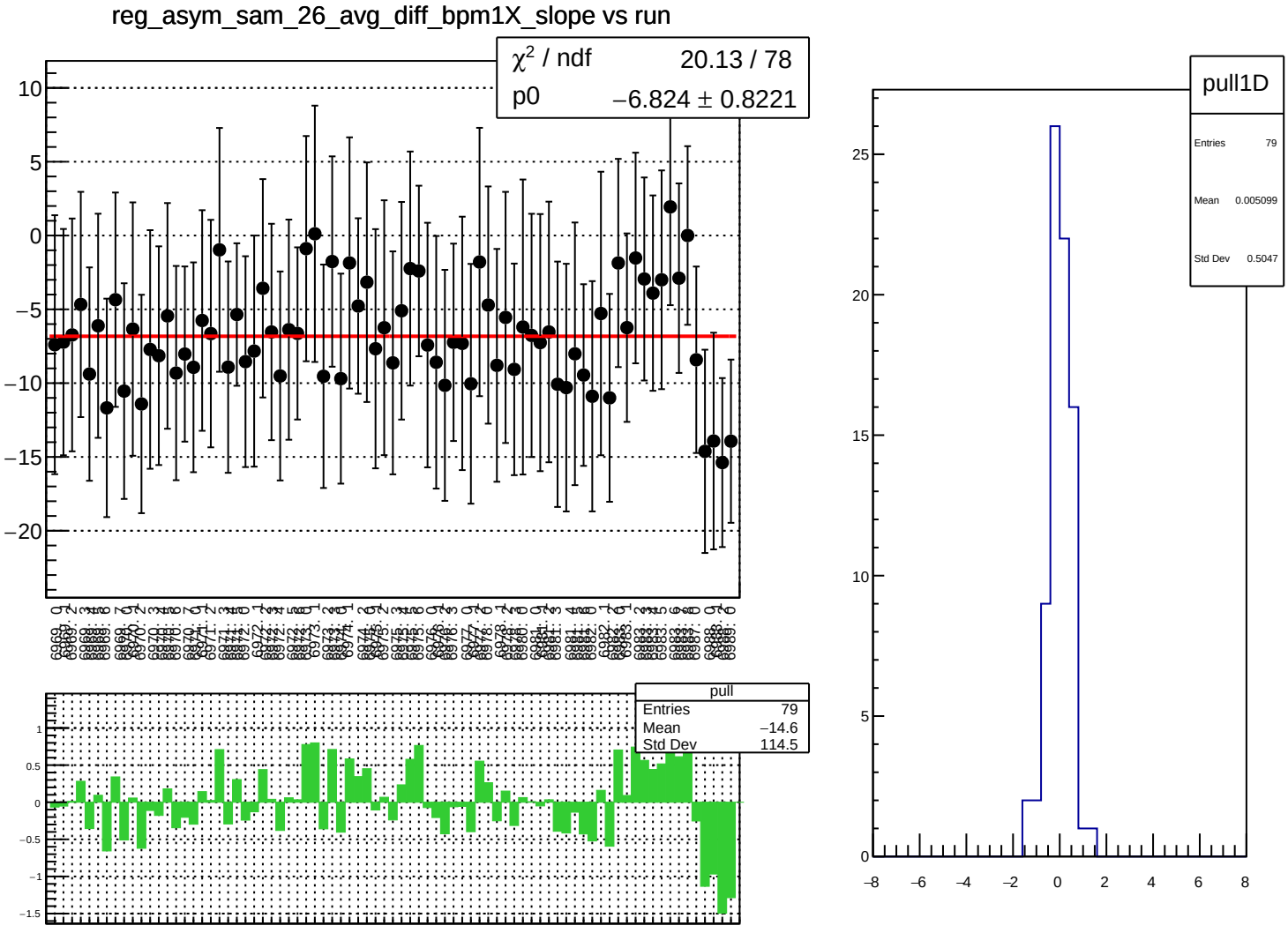

pull1D
Entries 79
Mean −0.01386
Std Dev 0.3738

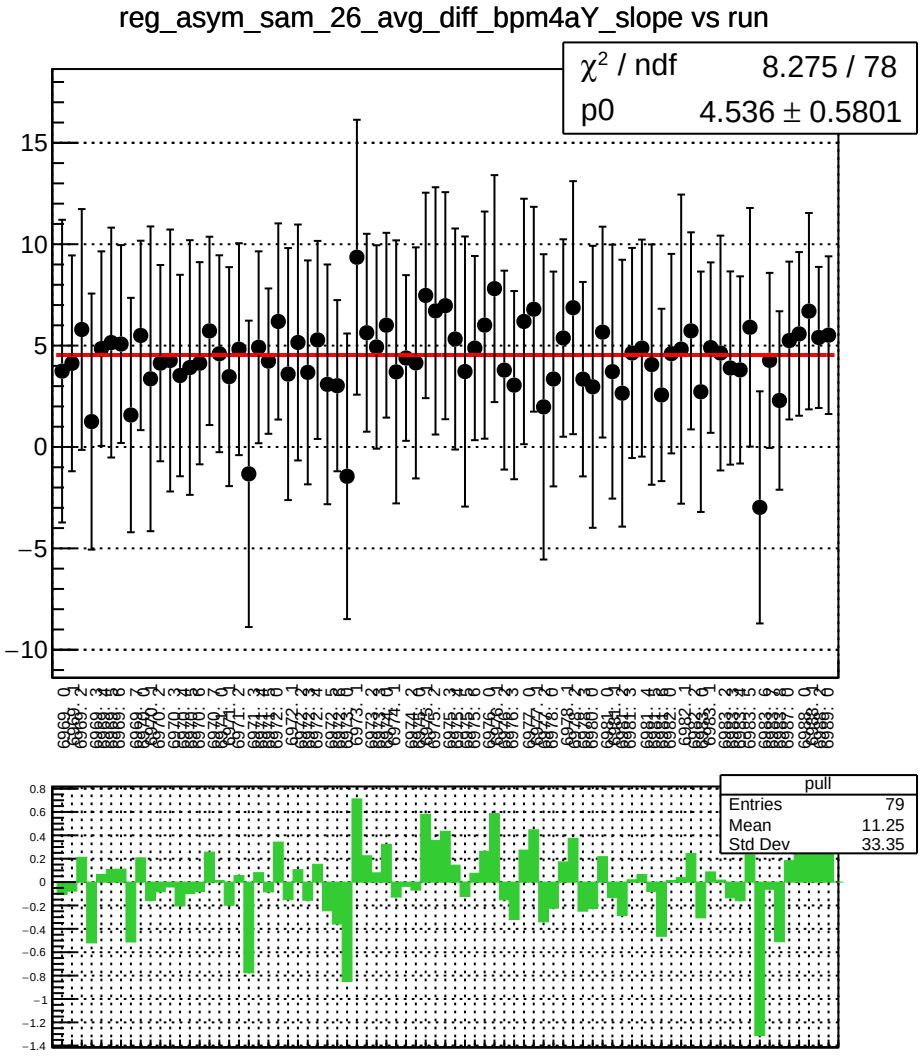

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.778 / 78
p0 20.71 ± 0.3315
pull
Entries 79
Mean 179.7
Std Dev 142

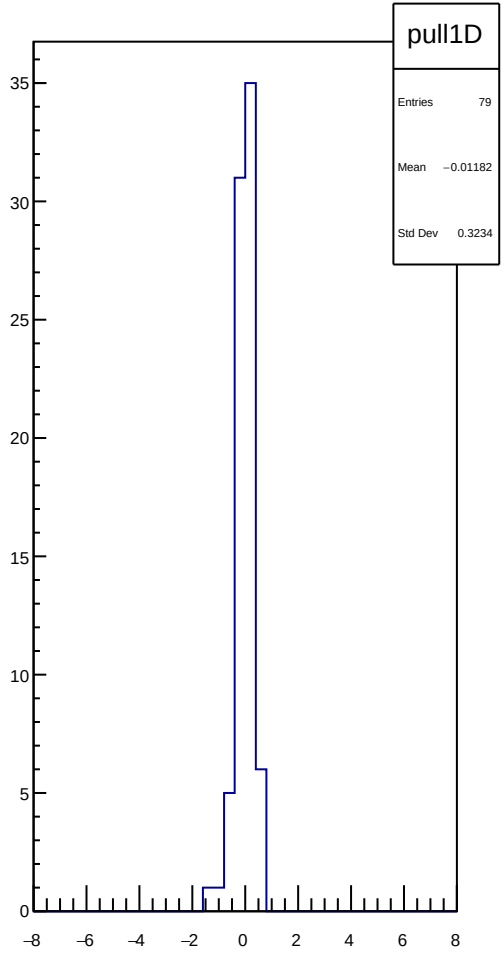

pull1D
Entries 79
Mean 0.0161
Std Dev 0.2454

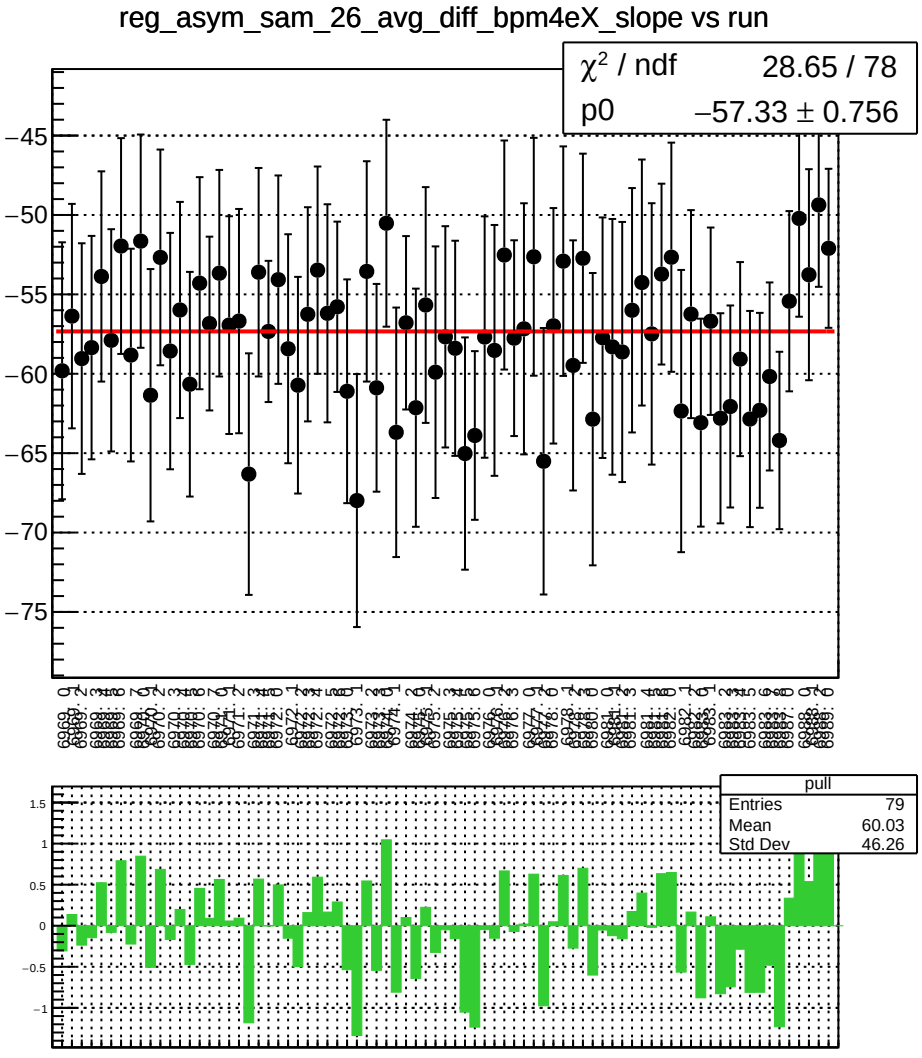

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ^2 / ndf 9.452 / 78
p0 −0.06437 ± 0.01263
pull
Entries 79
Mean 181.3
Std Dev 133.8

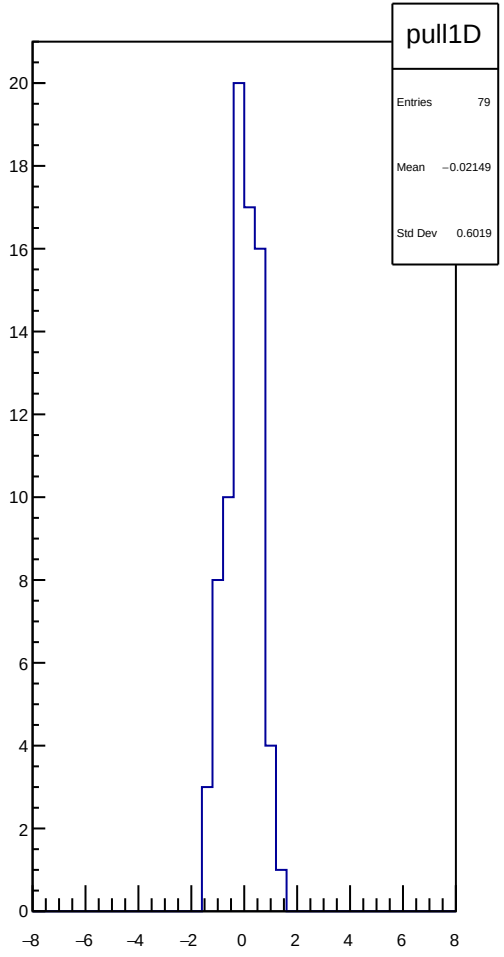

pull1D
Entries 79
Mean −0.01649
Std Dev 0.3455

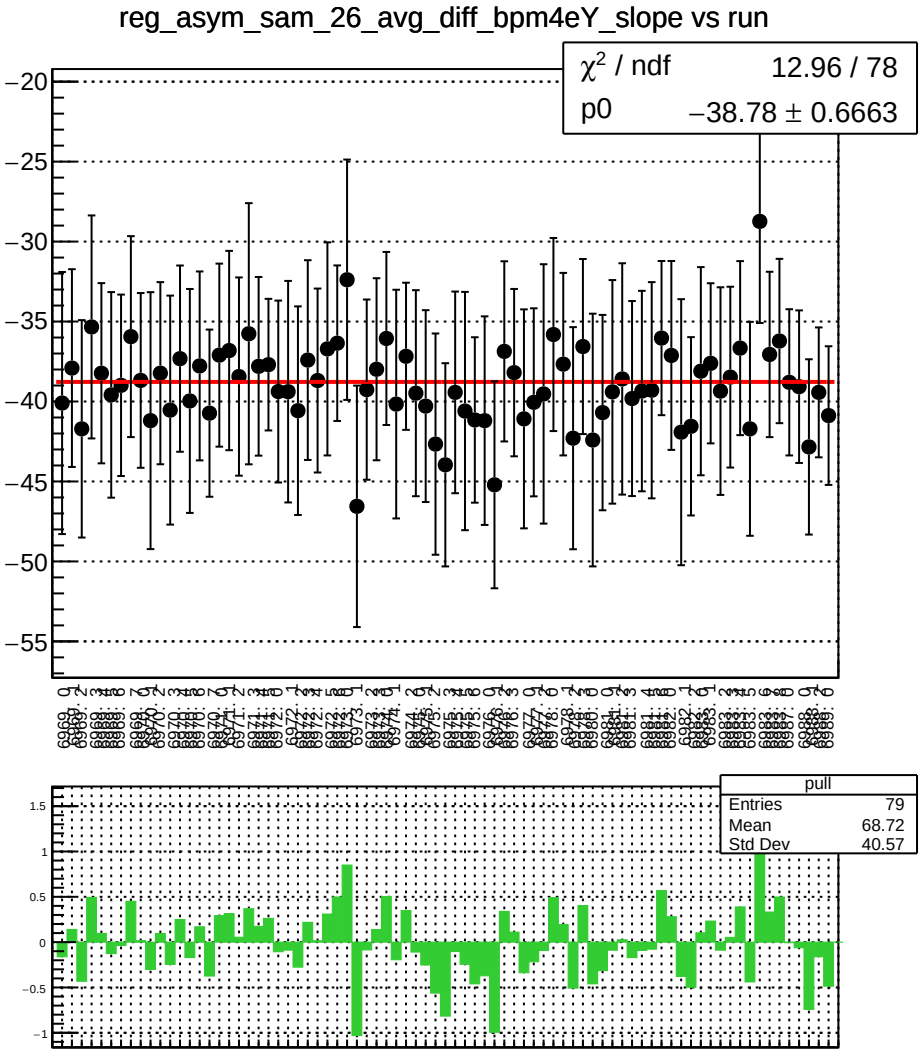

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 20.13 / 78
p0 −6.824 ± 0.8221
pull
Entries 79
Mean −14.6
Std Dev 114.5
pull1D
Entries 79
Mean 0.005099
Std Dev 0.5047

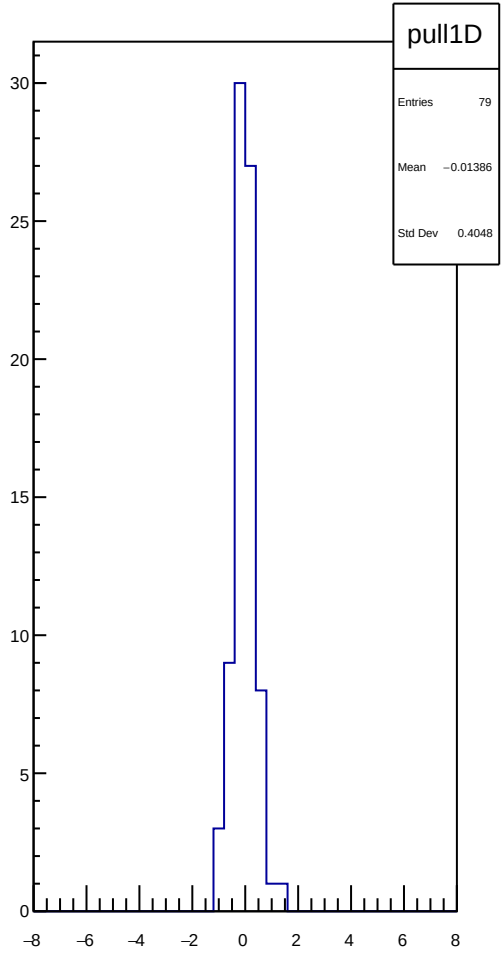

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 8.275 / 78
p0 4.536 ± 0.5801
pull
Entries 79
Mean 11.25
Std Dev 33.35

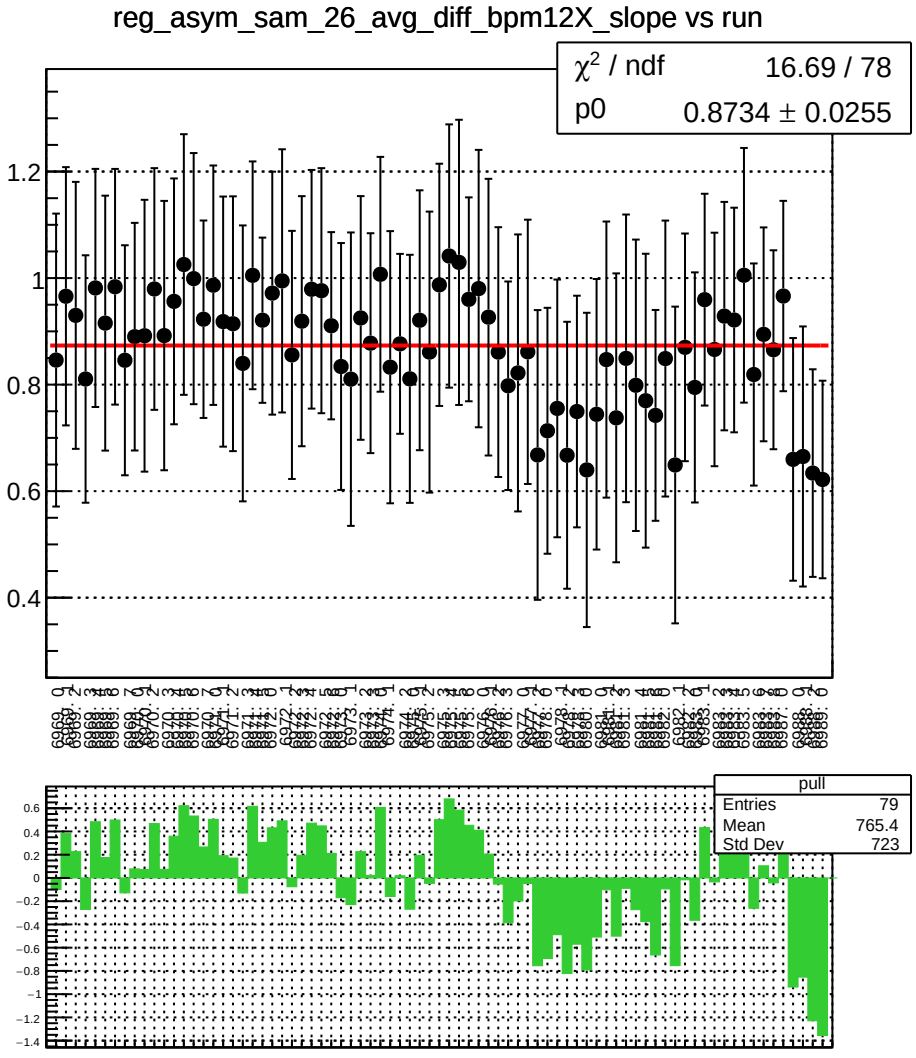

pull1D
Entries 79
Mean −0.01182
Std Dev 0.3234

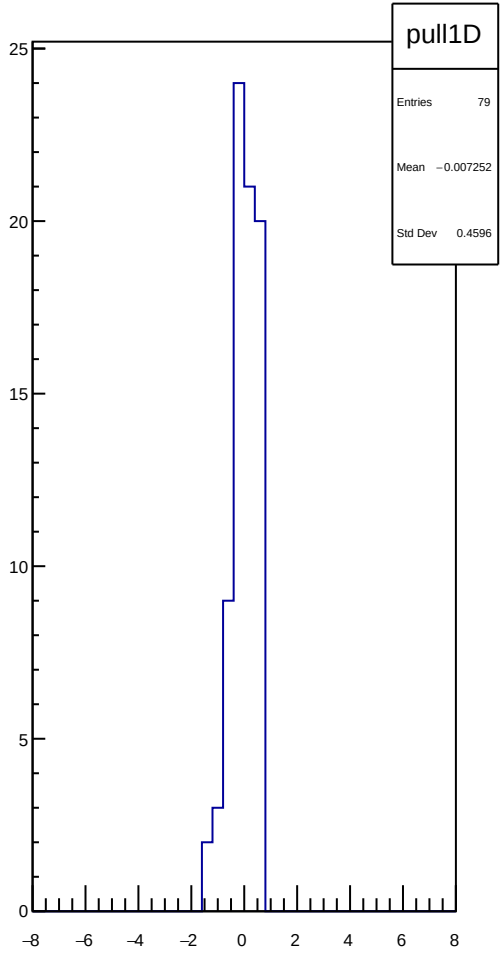

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 28.65 / 78
p0 −57.33 ± 0.756
pull
Entries 79
Mean 60.03
Std Dev 46.26

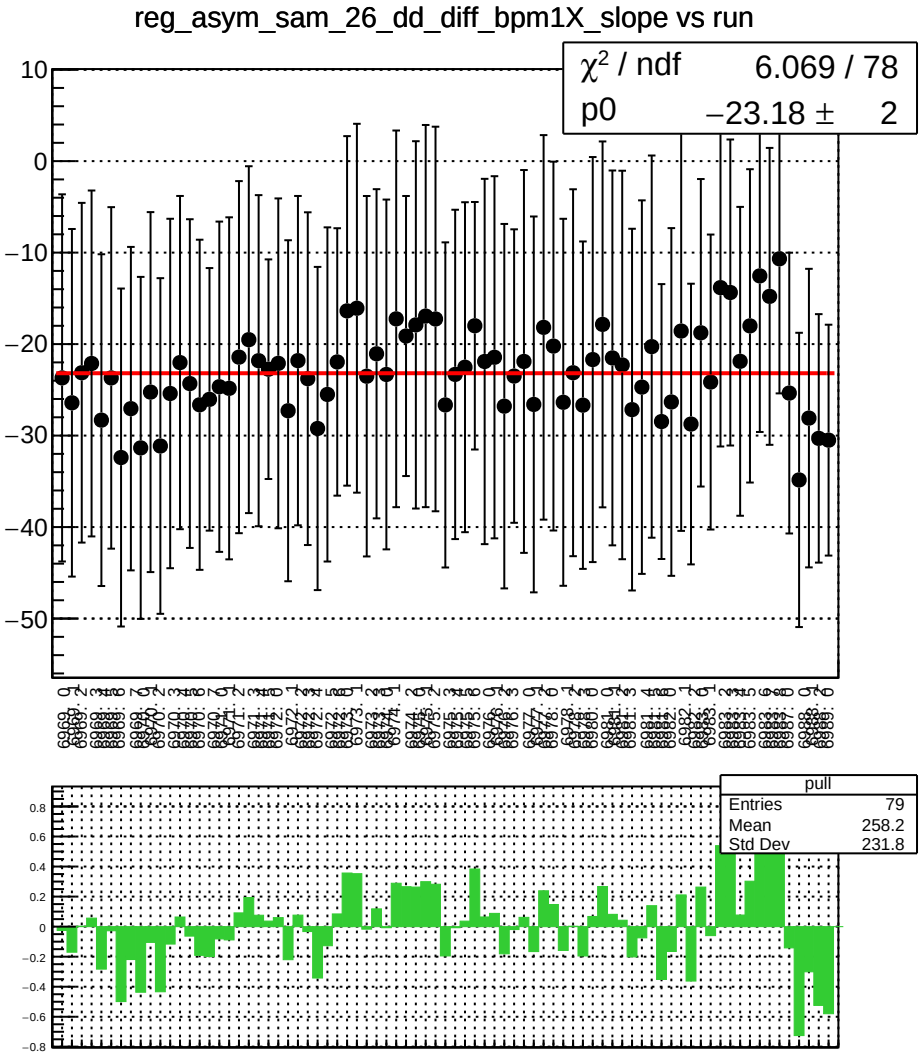

pull1D
Entries 79
Mean −0.02149
Std Dev 0.6019

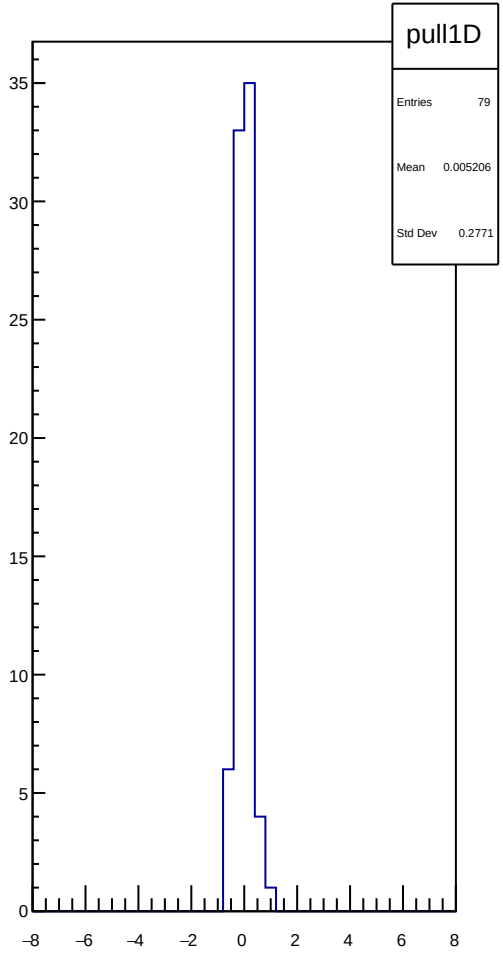

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.96 / 78
p0 −38.78 ± 0.6663
pull
Entries 79
Mean 68.72
Std Dev 40.57

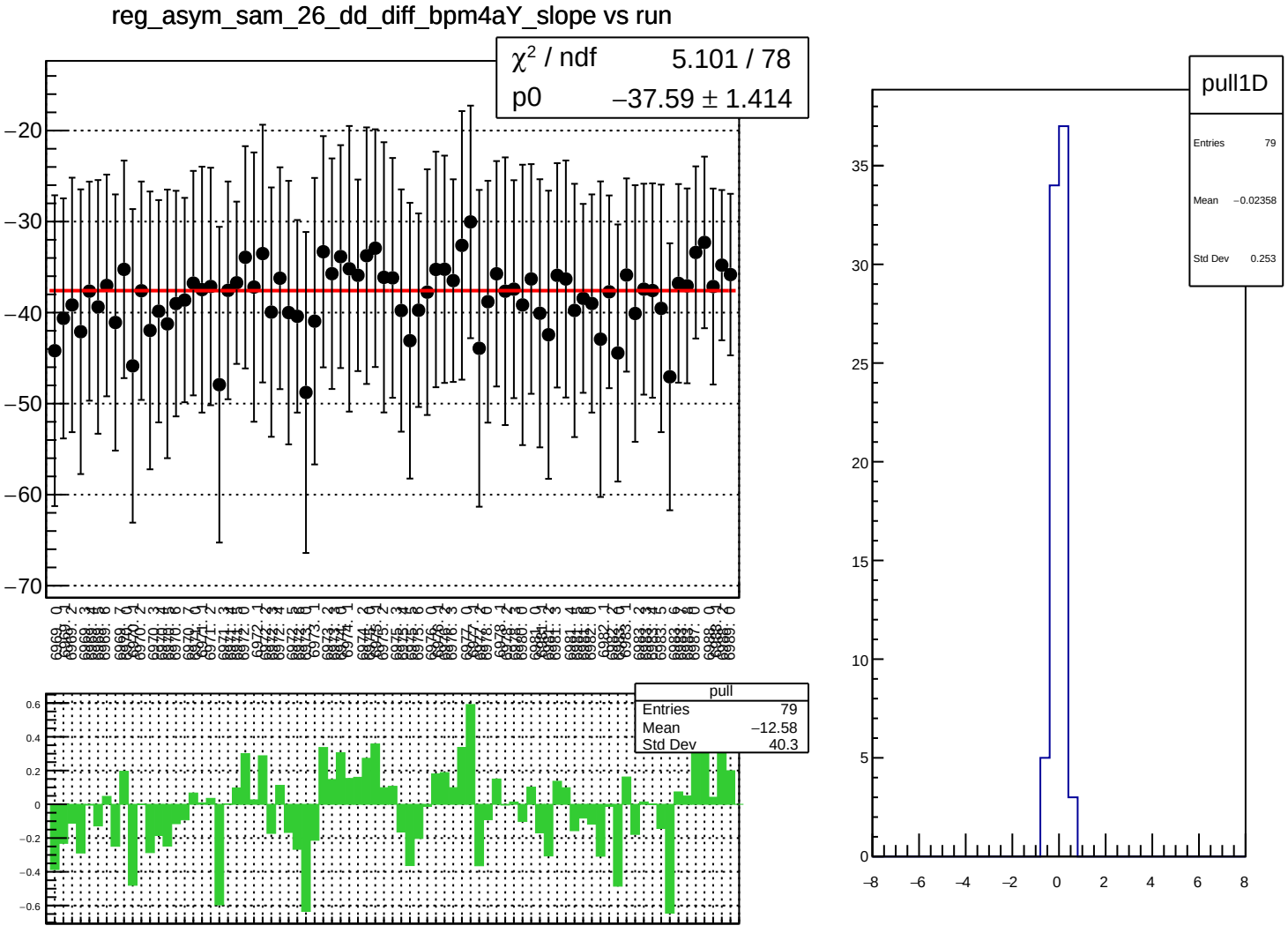

pull1D
Entries 79
Mean −0.01386
Std Dev 0.4048

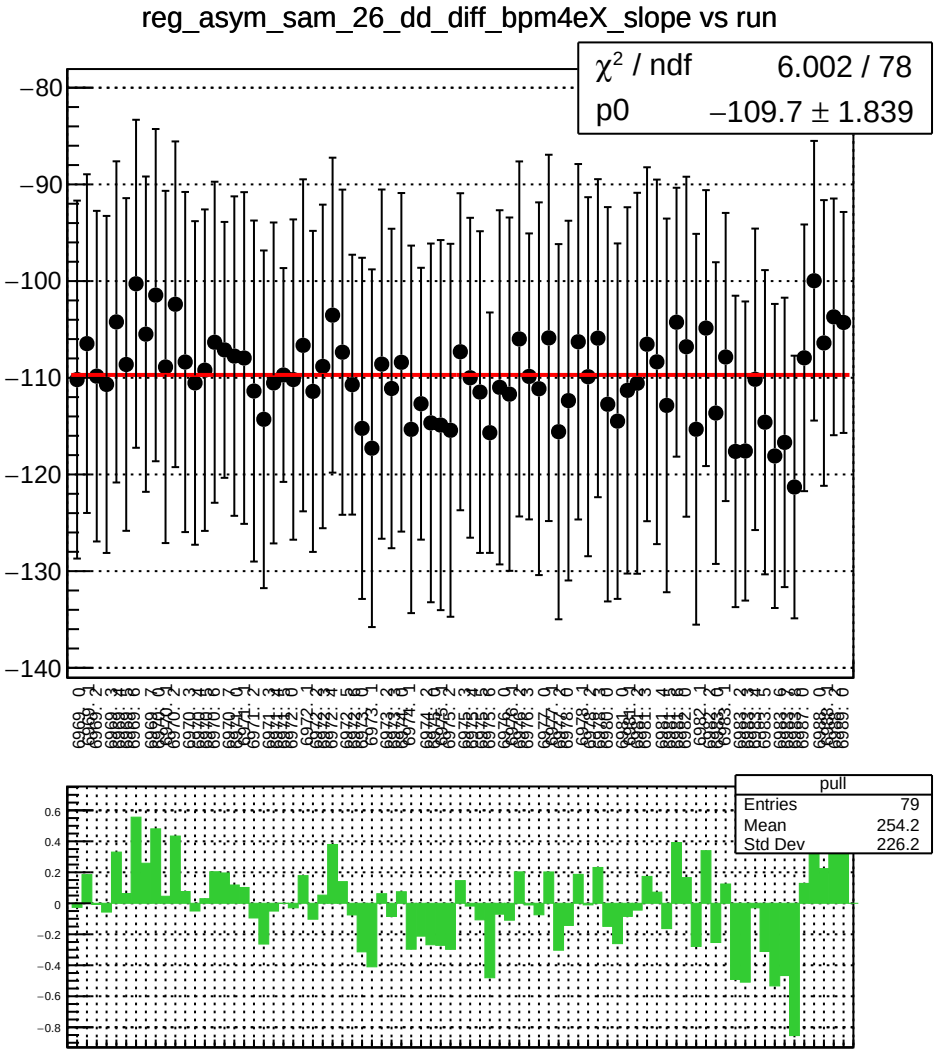

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 16.69 / 78
p0 0.8734 ± 0.0255
pull
Entries 79
Mean 765.4
Std Dev 723

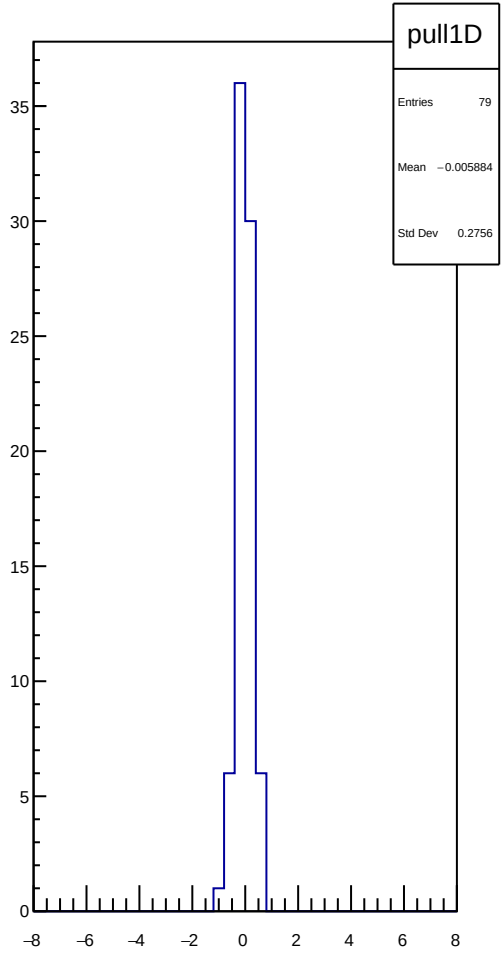

pull1D
Entries 79
Mean −0.007252
Std Dev 0.4596

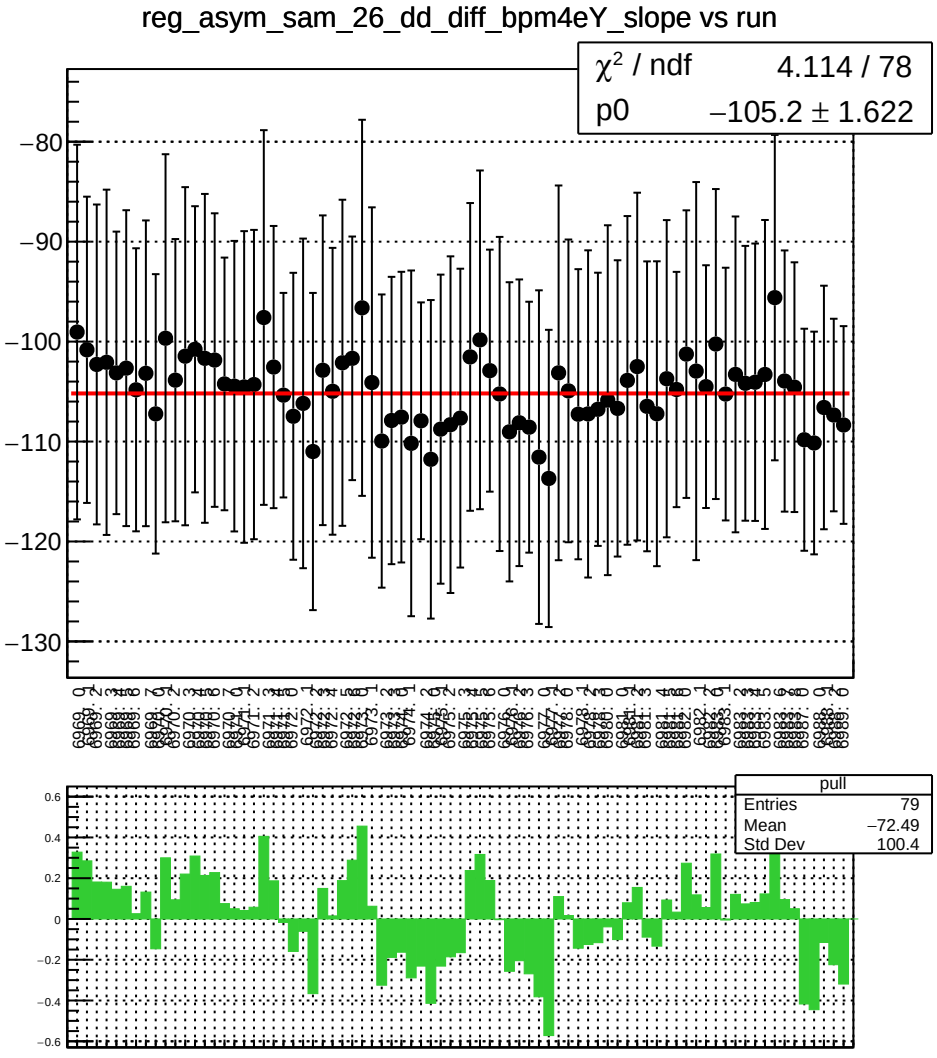

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 6.069 / 78
p0 −23.18 ± 2
pull
Entries 79
Mean 258.2
Std Dev 231.8

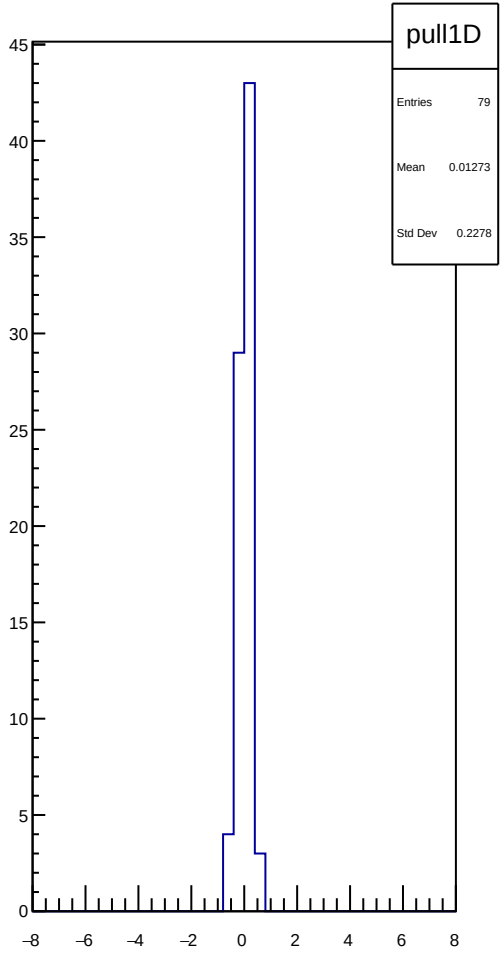

pull1D
Entries 79
Mean 0.005206
Std Dev 0.2771

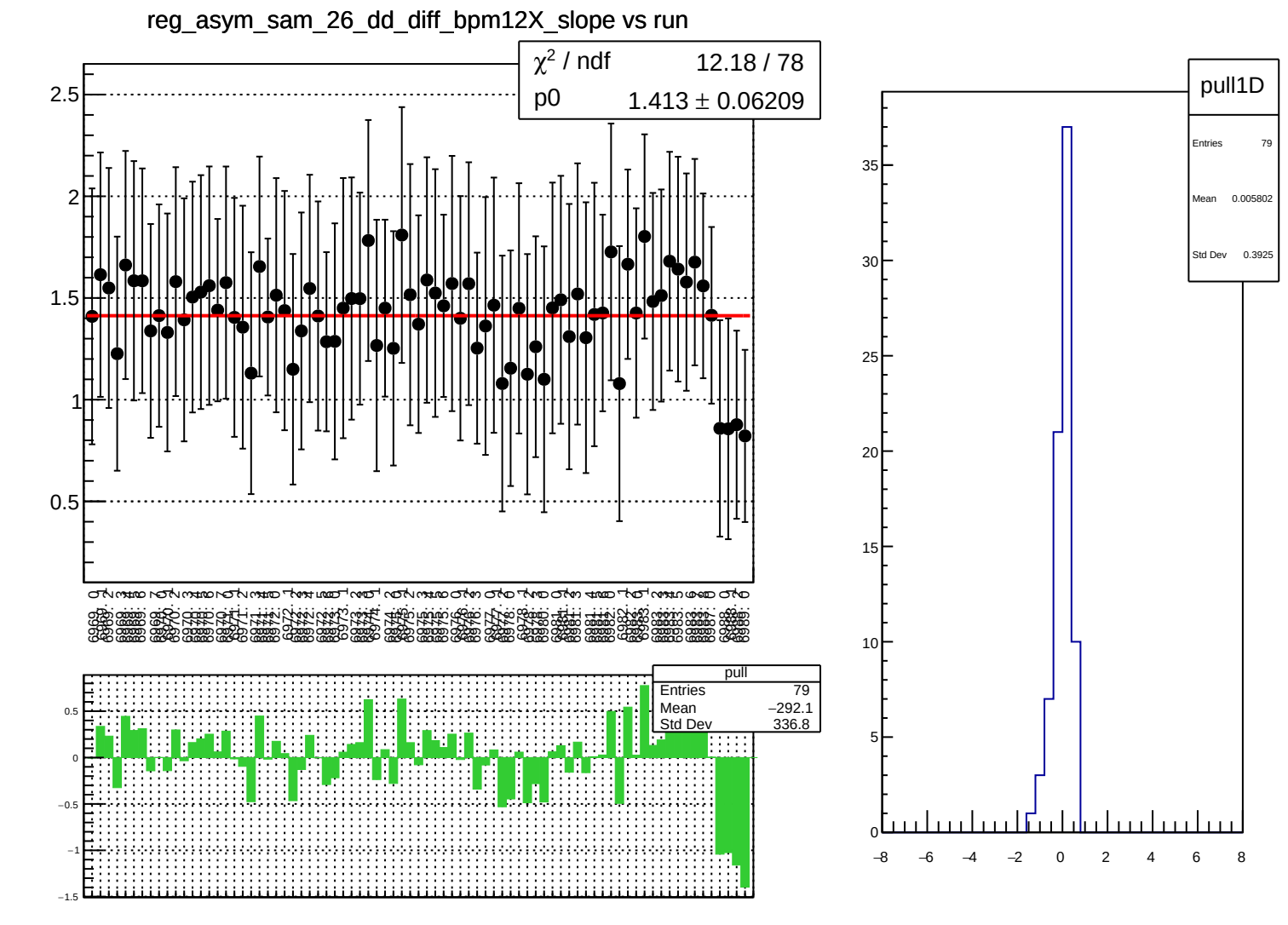

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.101 / 78
p0 −37.59 ± 1.414
pull
Entries 79
Mean −12.58
Std Dev 40.3
pull1D
Entries 79
Mean −0.02358
Std Dev 0.253

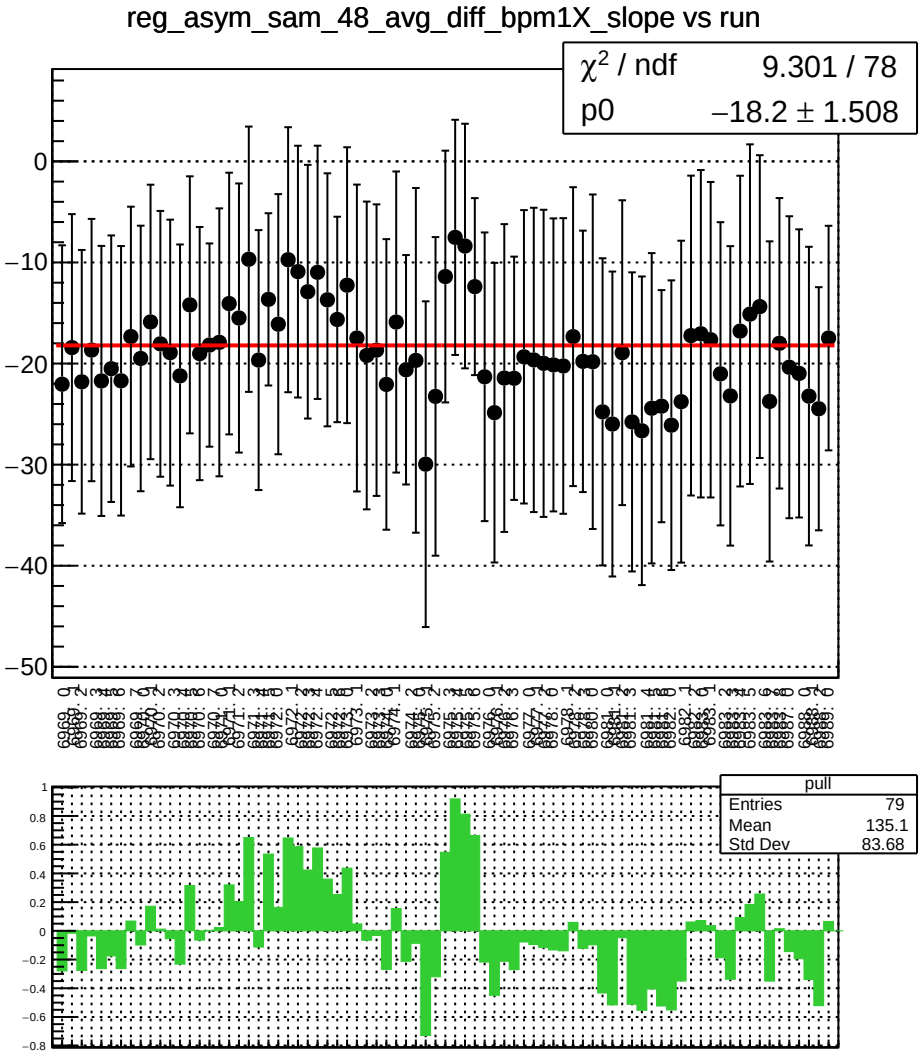

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.002 / 78
p0 −109.7 ± 1.839
pull
Entries 79
Mean 254.2
Std Dev 226.2

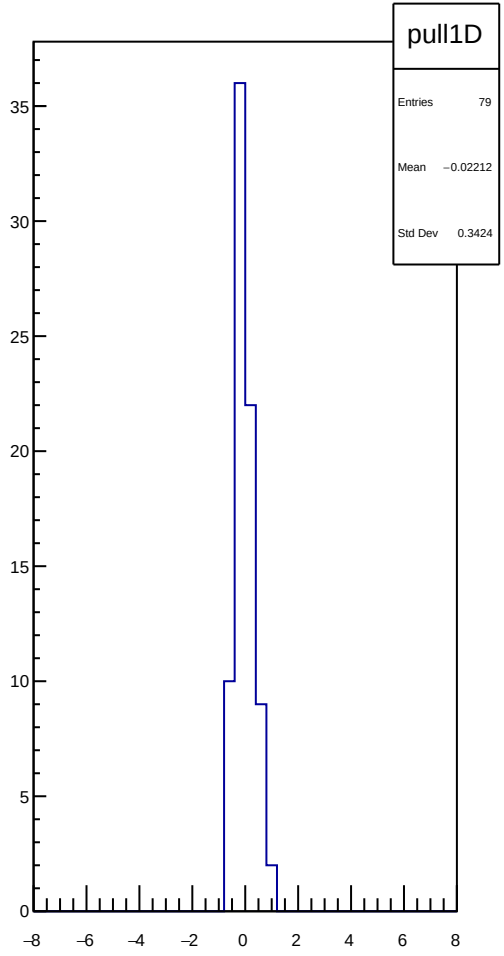

pull1D
Entries 79
Mean −0.005884
Std Dev 0.2756

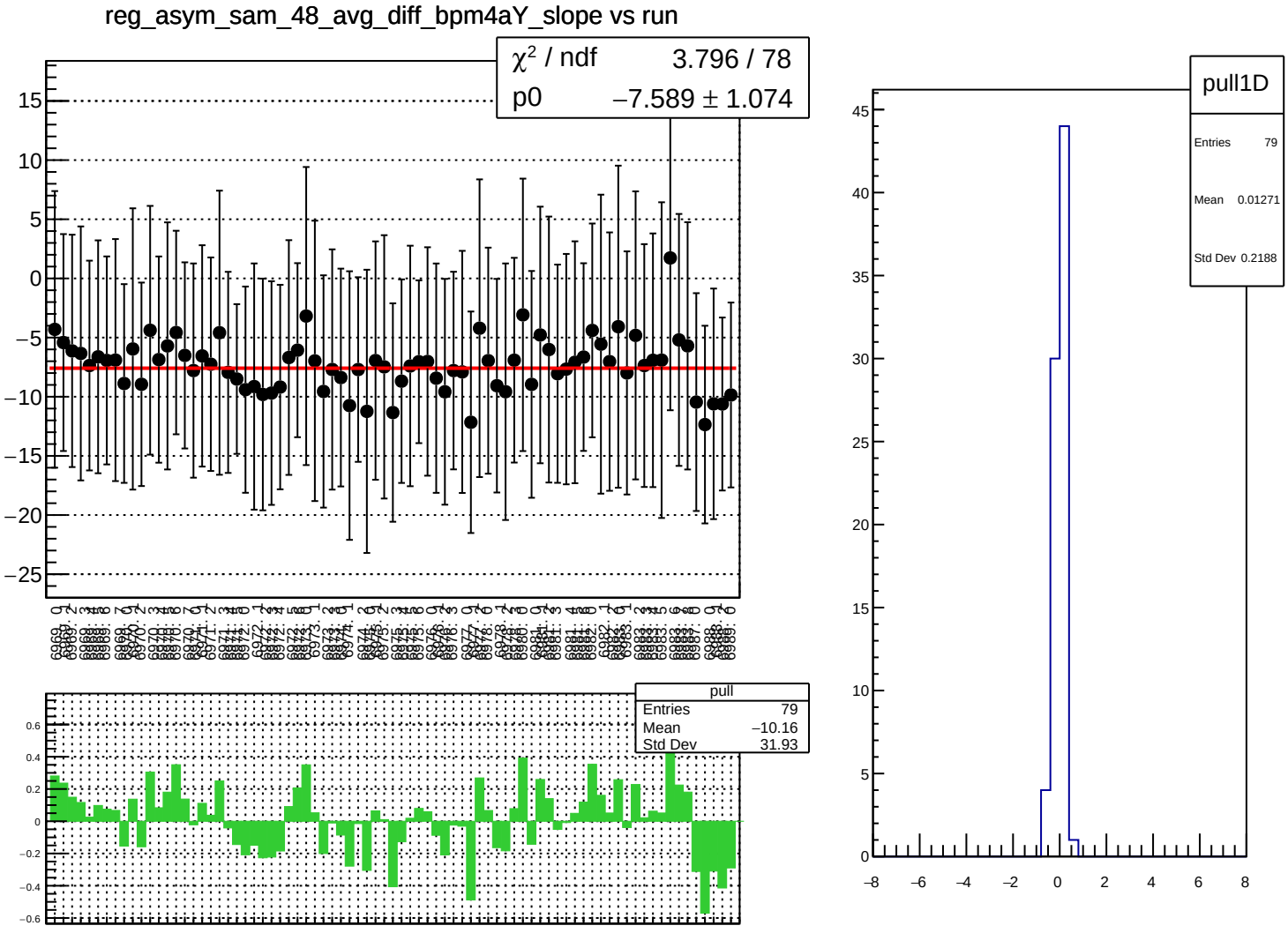

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 4.114 / 78
p0 −105.2 ± 1.622
pull
Entries 79
Mean −72.49
Std Dev 100.4

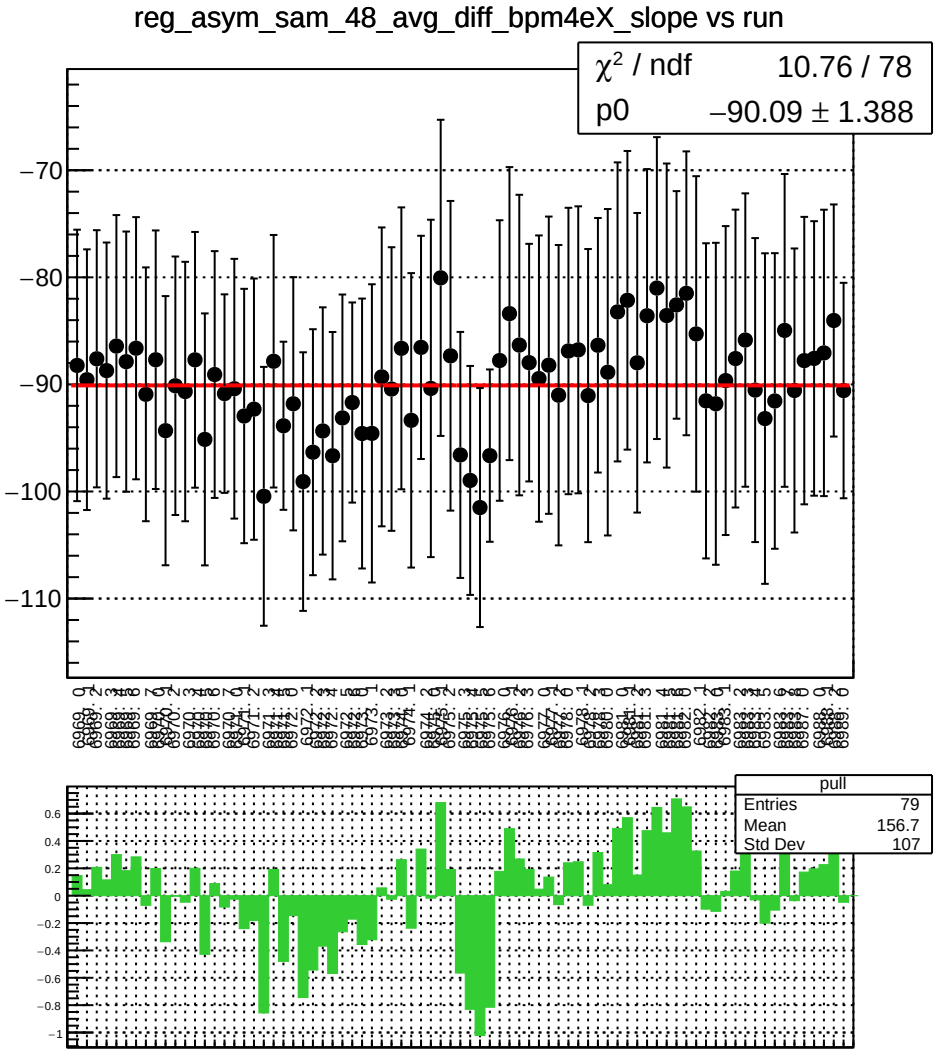

pull1D
Entries 79
Mean 0.01273
Std Dev 0.2278

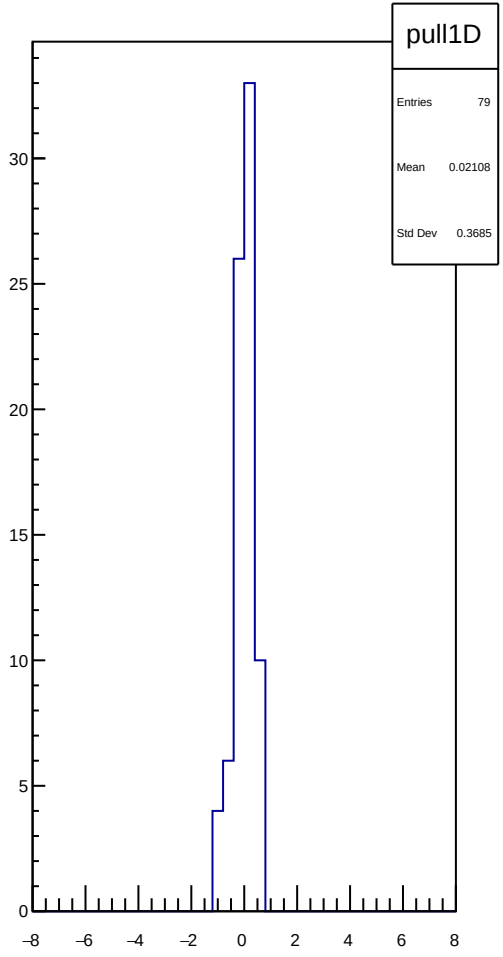

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 12.18 / 78
p0 1.413 ± 0.06209
pull
Entries 79
Mean −292.1
Std Dev 336.8
pull1D
Entries 79
Mean 0.005802
Std Dev 0.3925

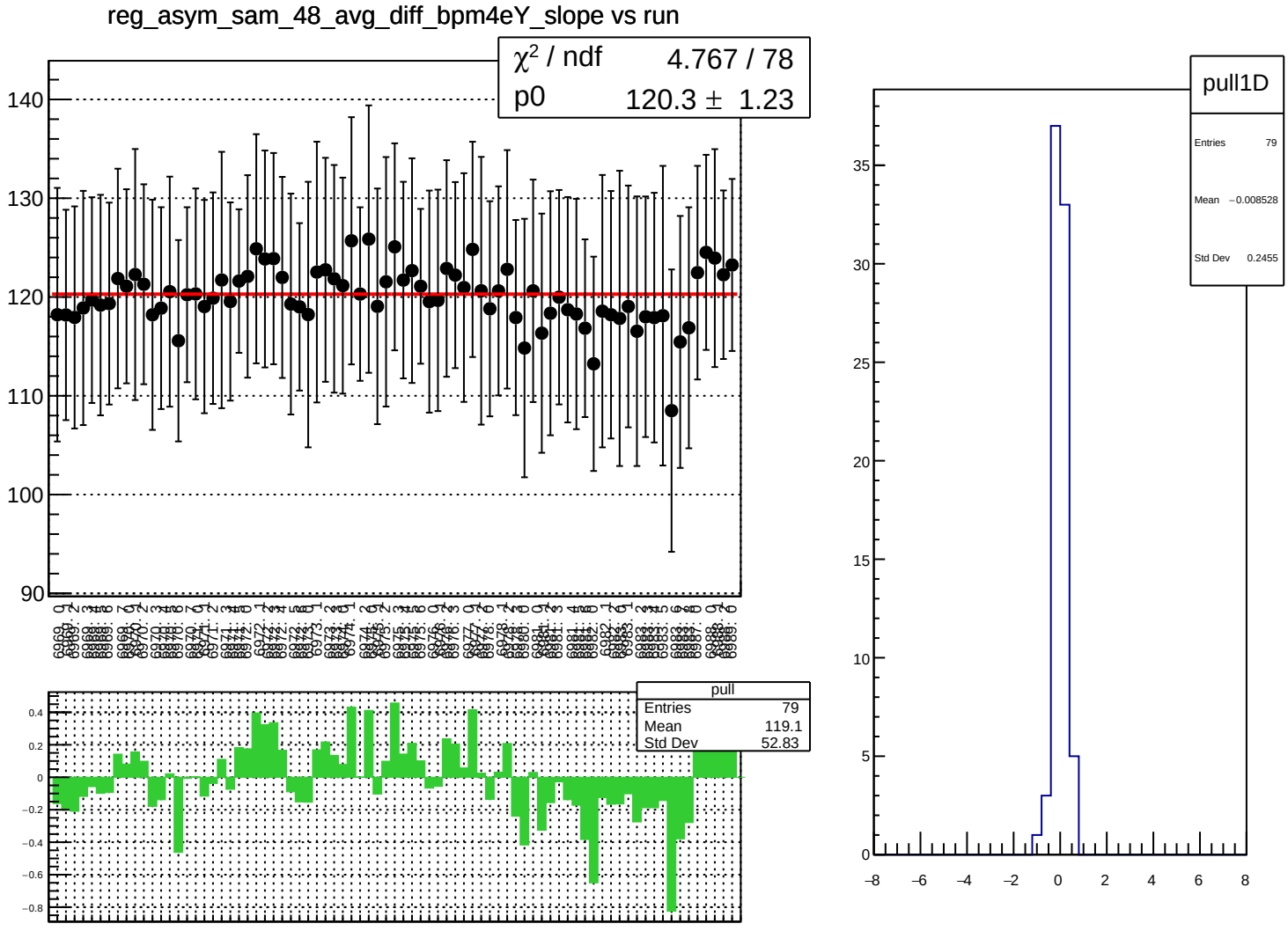

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 9.301 / 78
p0 −18.2 ± 1.508
pull
Entries 79
Mean 135.1
Std Dev 83.68

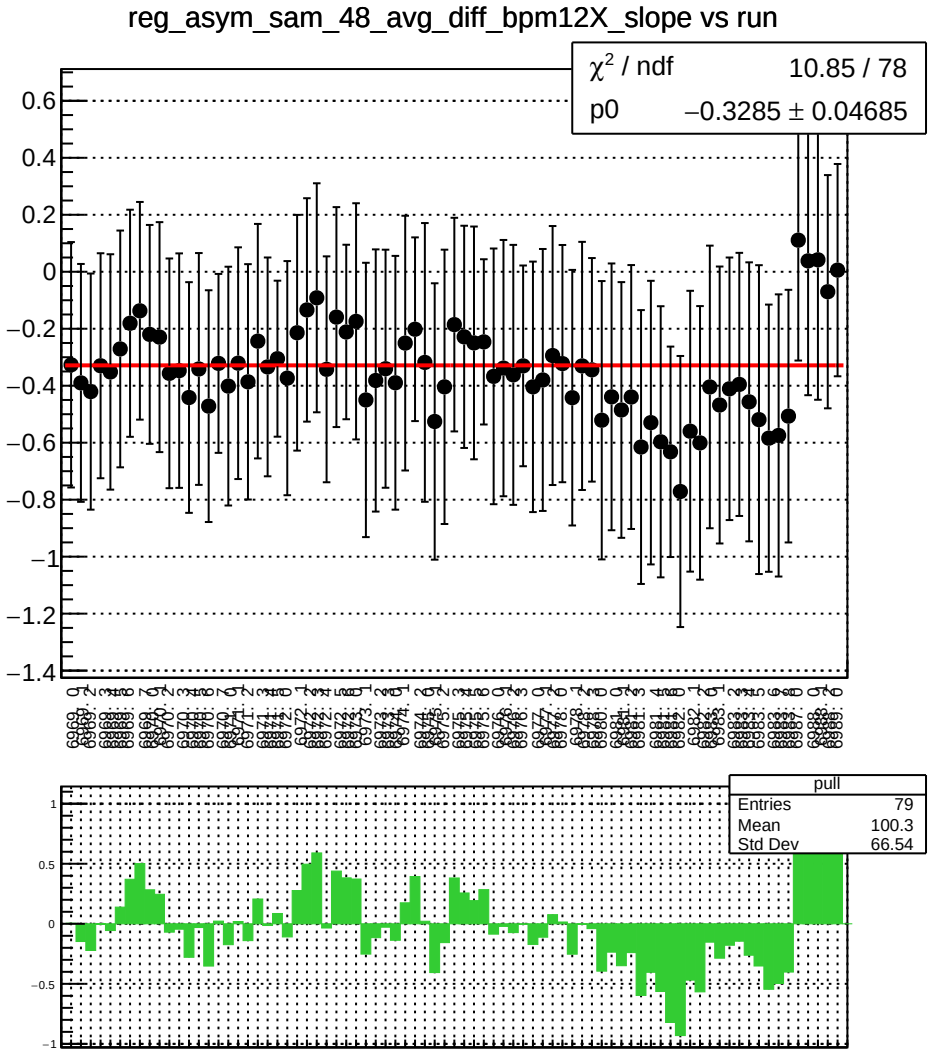

pull1D
Entries 79
Mean −0.02212
Std Dev 0.3424

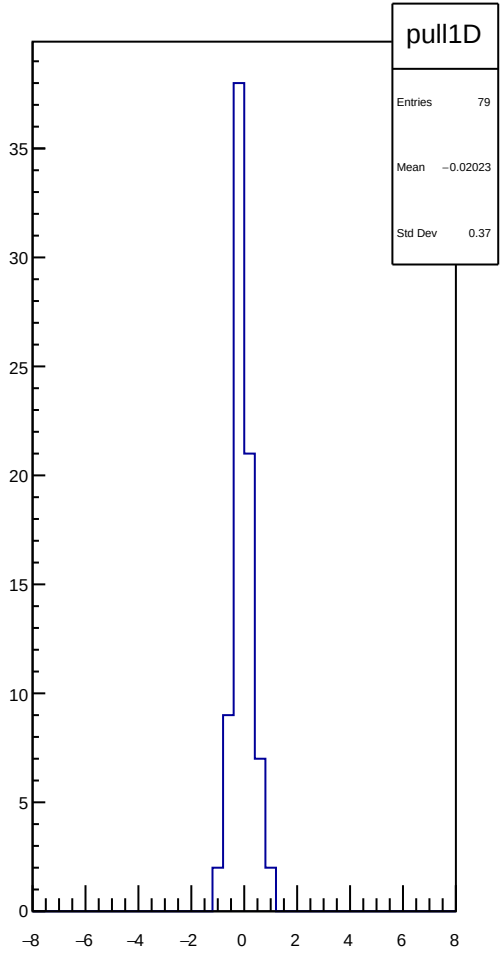

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.796 / 78
p0 −7.589 ± 1.074
pull
Entries 79
Mean −10.16
Std Dev 31.93
pull1D
Entries 79
Mean 0.01271
Std Dev 0.2188

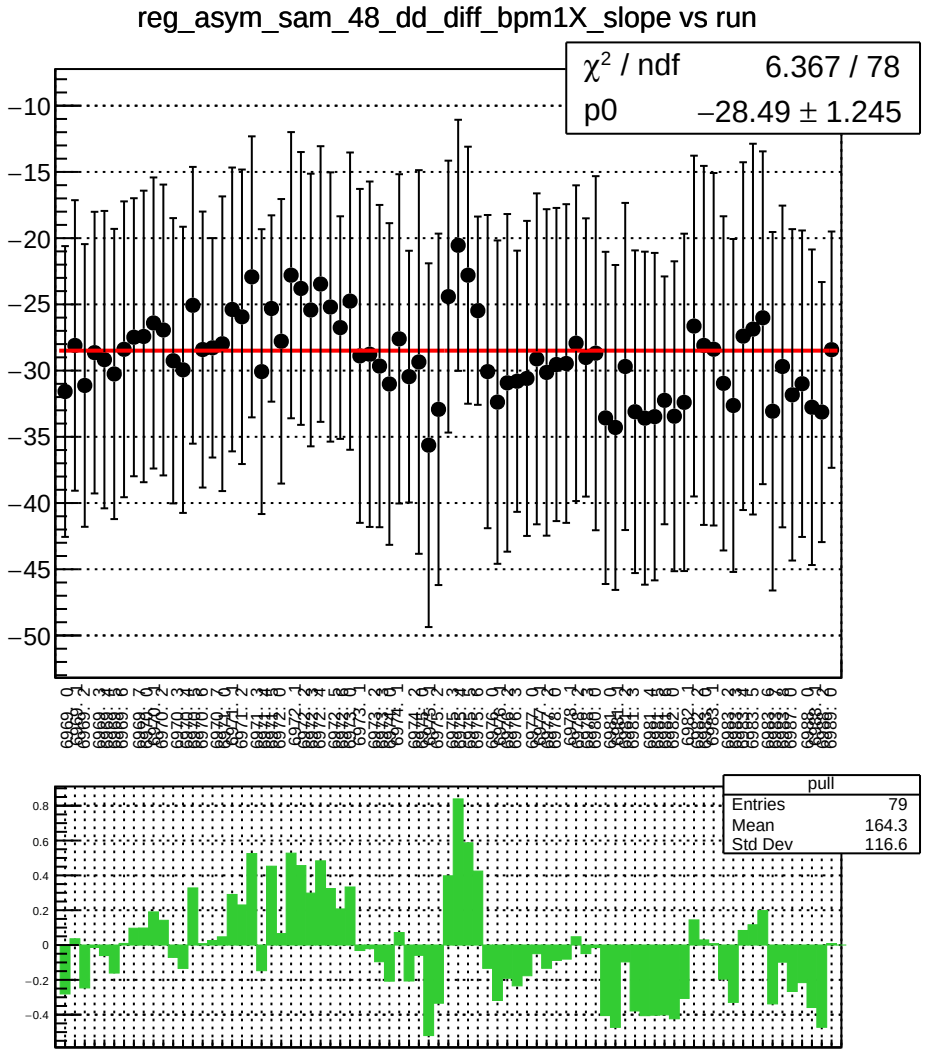

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 10.76 / 78
p0 −90.09 ± 1.388
−70
−80
−90
−100
−110
pull
Entries 79
Mean 156.7
Std Dev 107
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

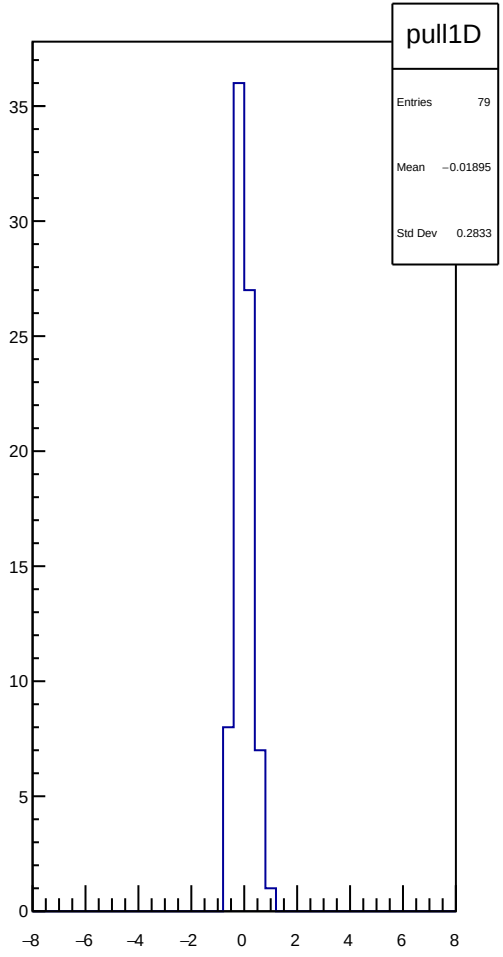

pull1D
Entries 79
Mean 0.02108
Std Dev 0.3685
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

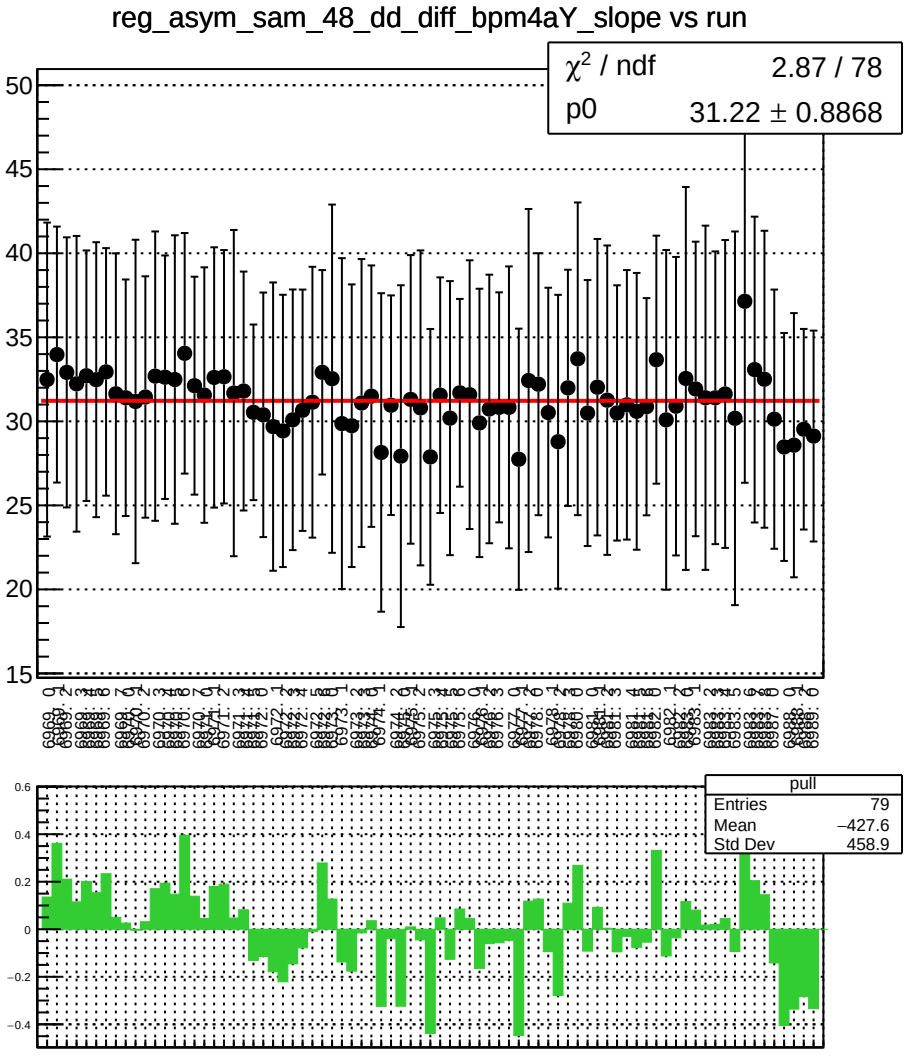

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.767 / 78
p0 120.3 ± 1.23
pull
Entries 79
Mean 119.1
Std Dev 52.83
pull1D
Entries 79
Mean −0.008528
Std Dev 0.2455

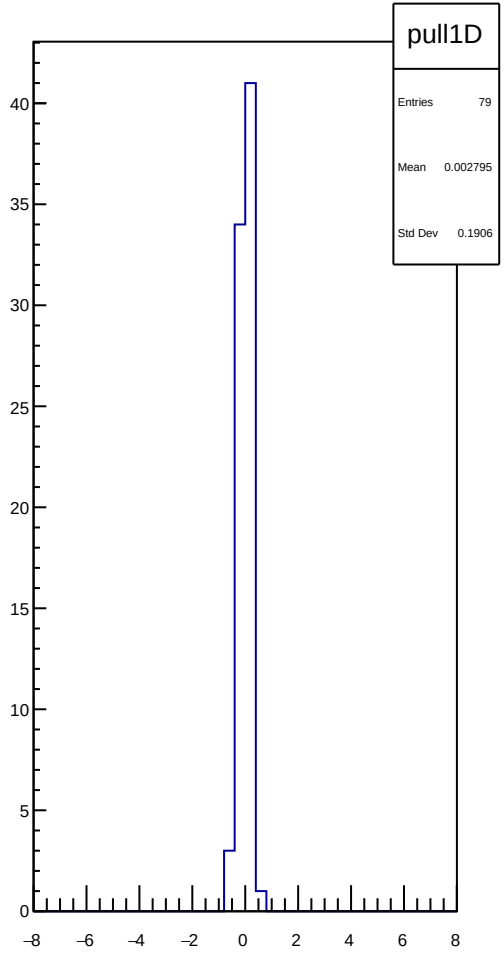

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 10.85 / 78
p0 −0.3285 ± 0.04685
pull
Entries 79
Mean 100.3
Std Dev 66.54

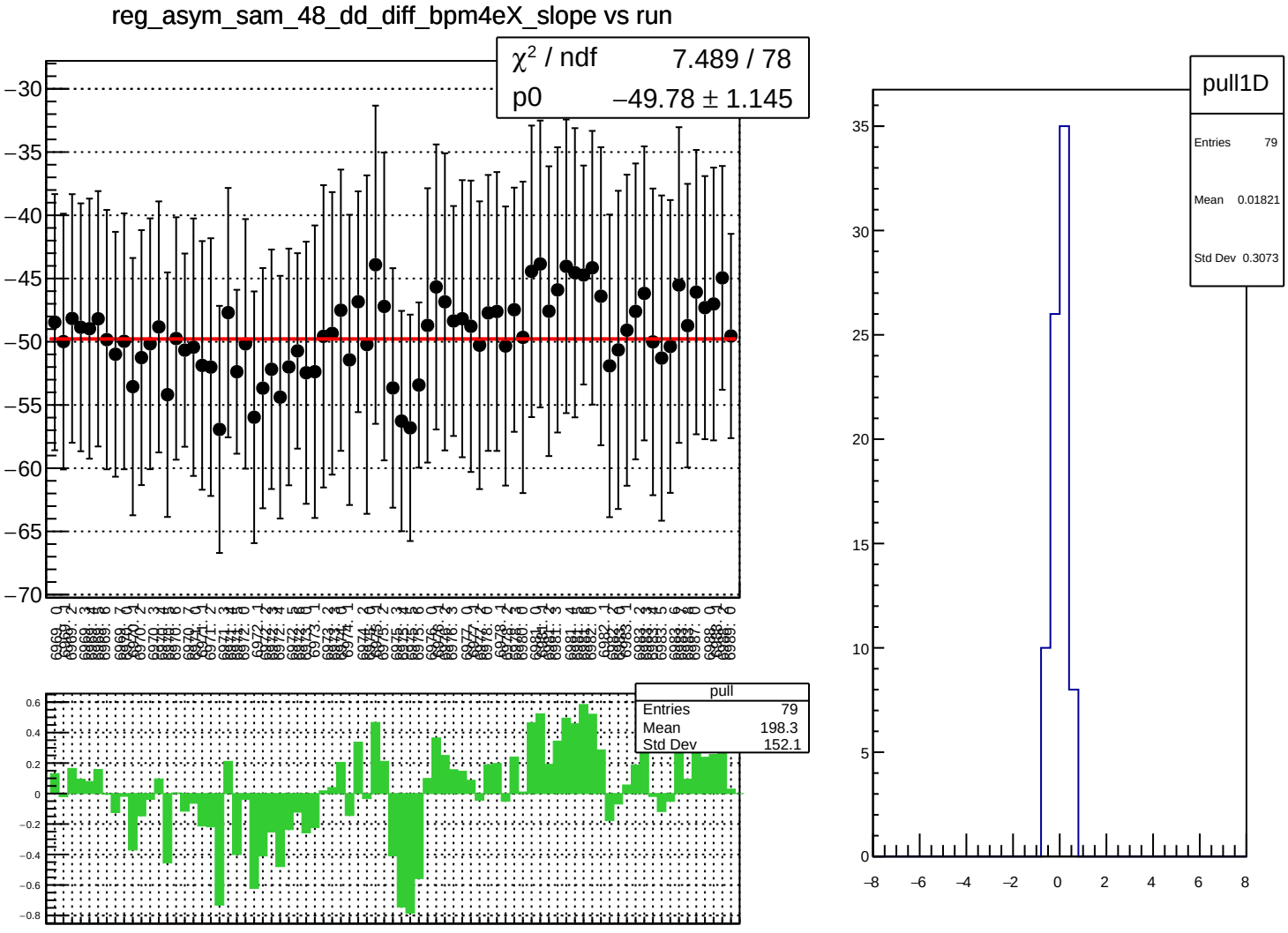

pull1D
Entries 79
Mean −0.02023
Std Dev 0.37

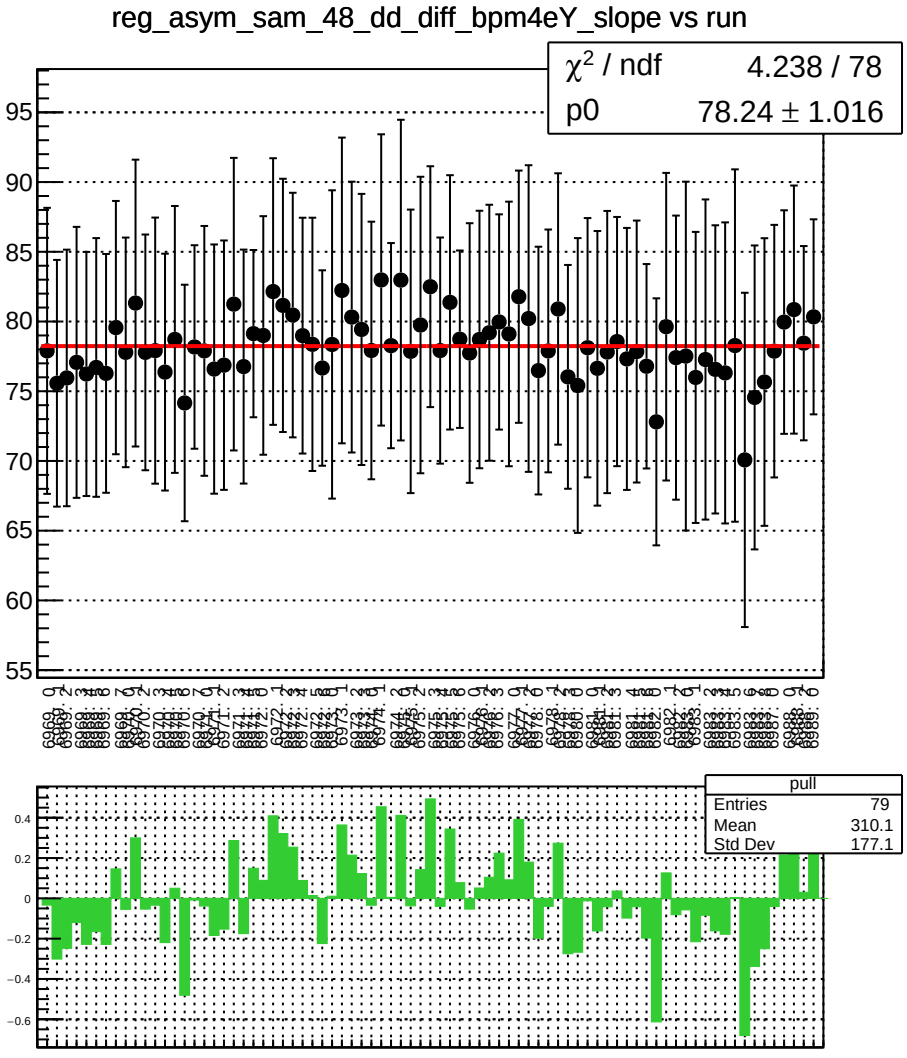

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ^2 / ndf 6.367 / 78
p0 −28.49 ± 1.245
pull
Entries 79
Mean 164.3
Std Dev 116.6

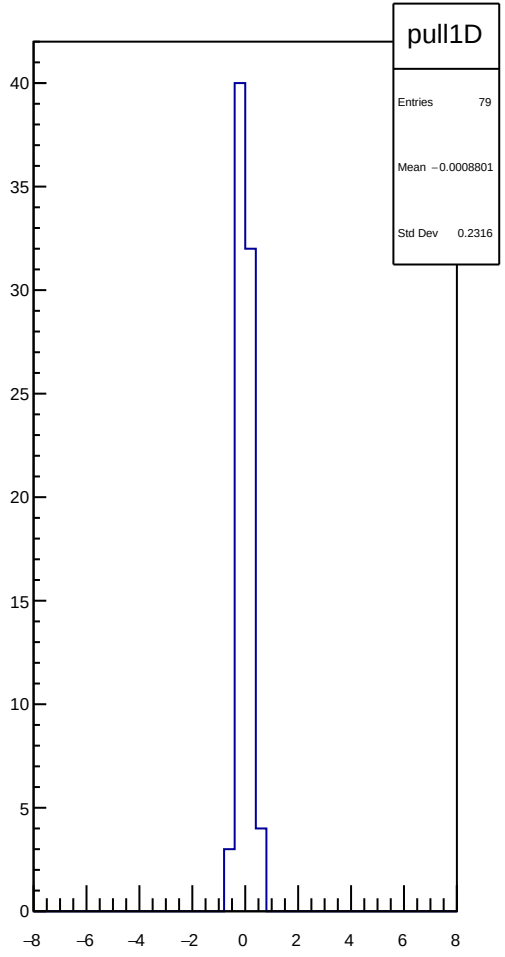

pull1D
Entries 79
Mean −0.01895
Std Dev 0.2833

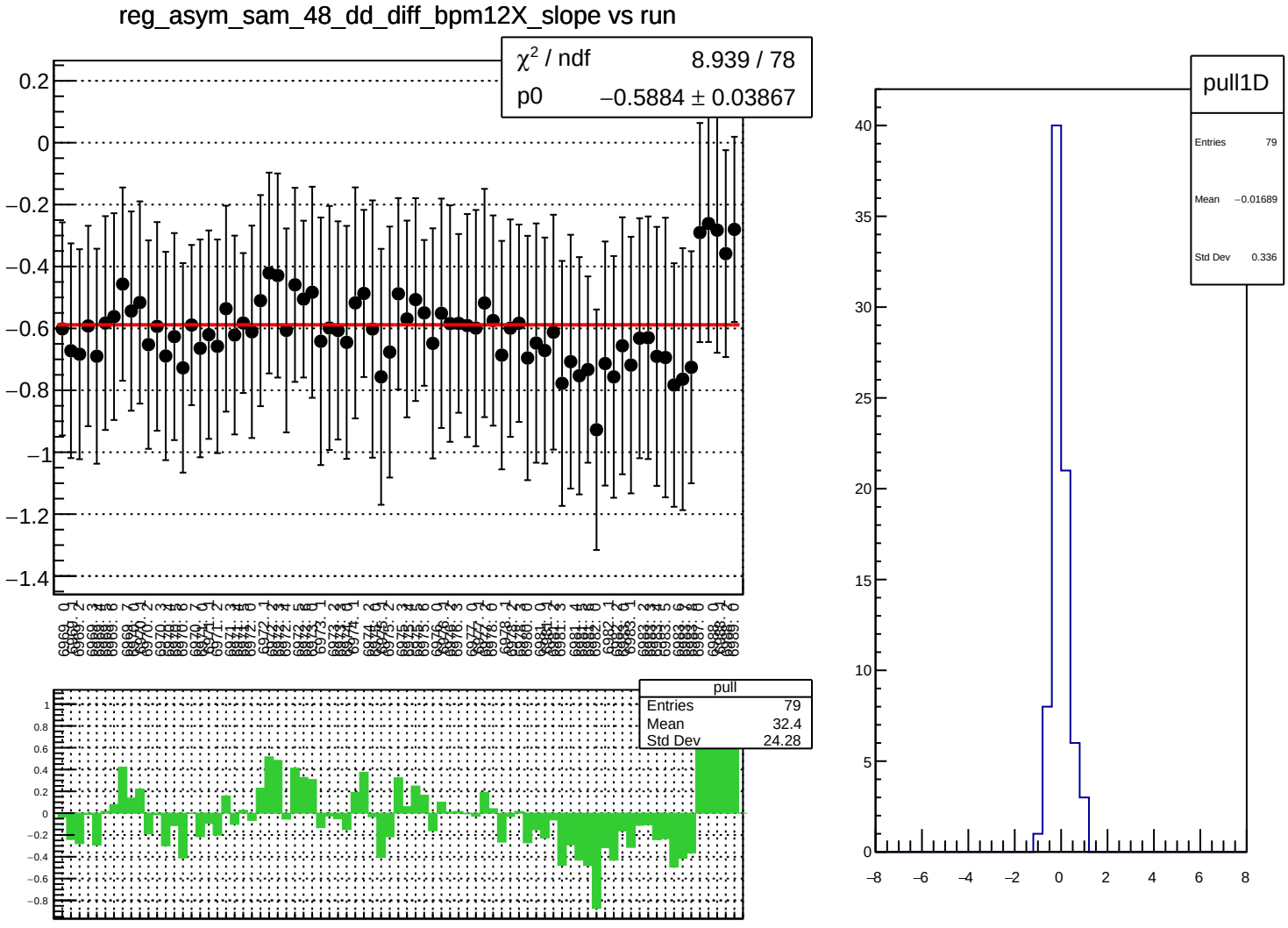

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.87 / 78
p0 31.22 ± 0.8868
pull
Entries 79
Mean −427.6
Std Dev 458.9

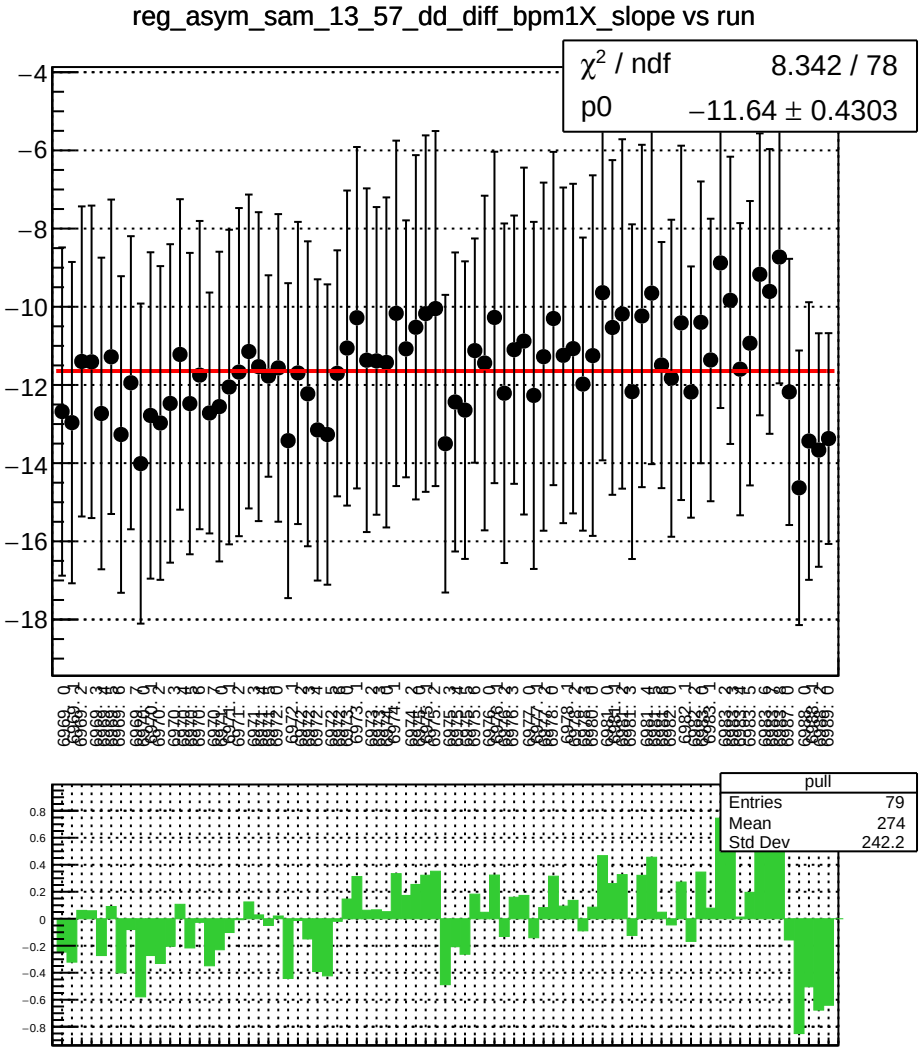

pull1D
Entries 79
Mean 0.002795
Std Dev 0.1906

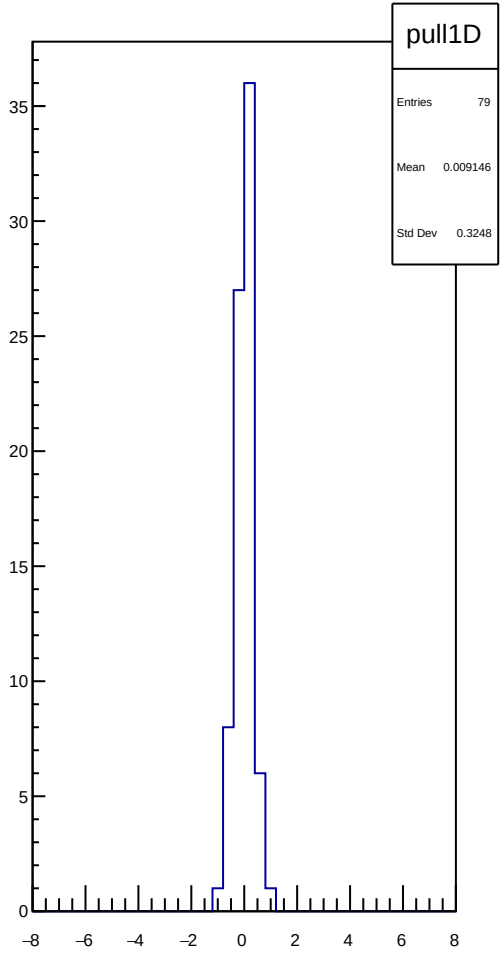

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 7.489 / 78
p0 −49.78 ± 1.145
pull
Entries 79
Mean 198.3
Std Dev 152.1
pull1D
Entries 79
Mean 0.01821
Std Dev 0.3073

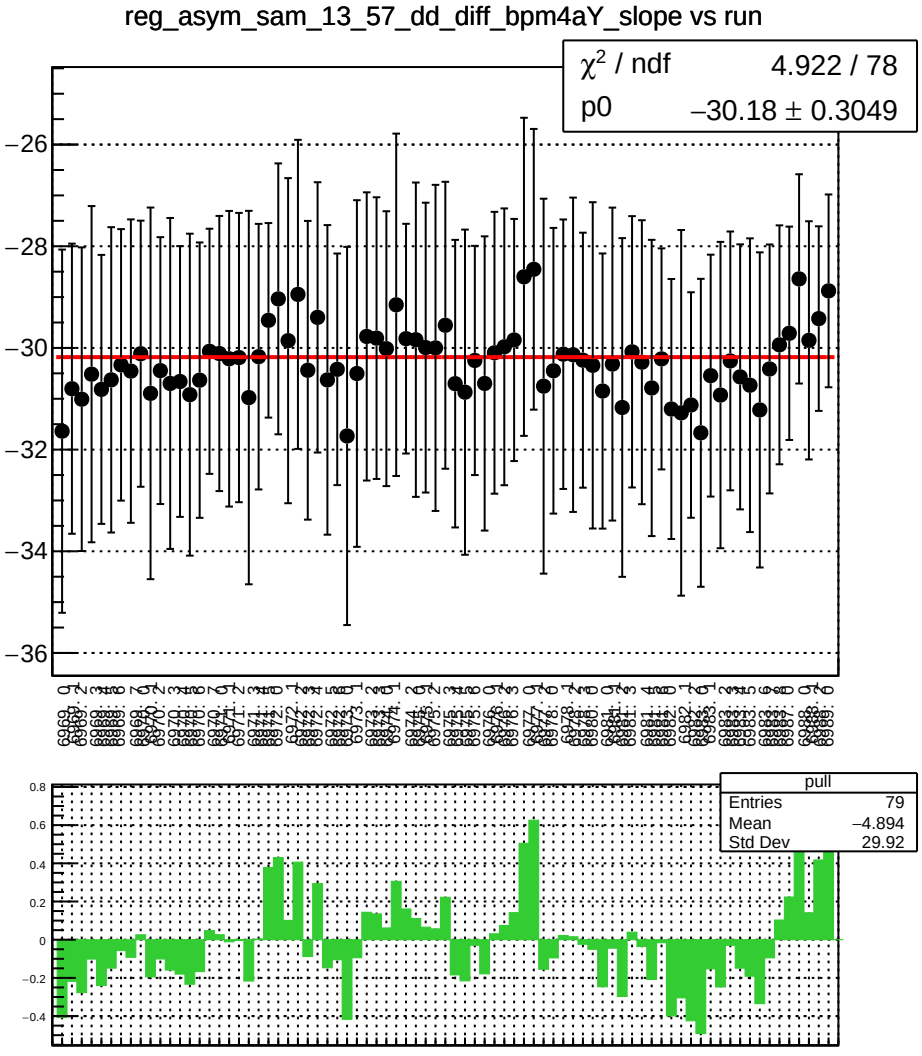

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 4.238 / 78
p0 78.24 ± 1.016
pull
Entries 79
Mean 310.1
Std Dev 177.1

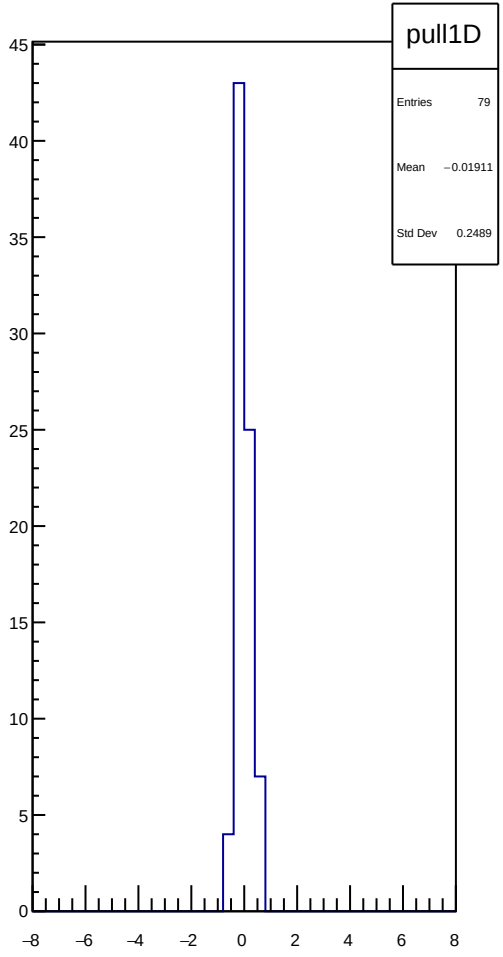

pull1D
Entries 79
Mean −0.0008801
Std Dev 0.2316

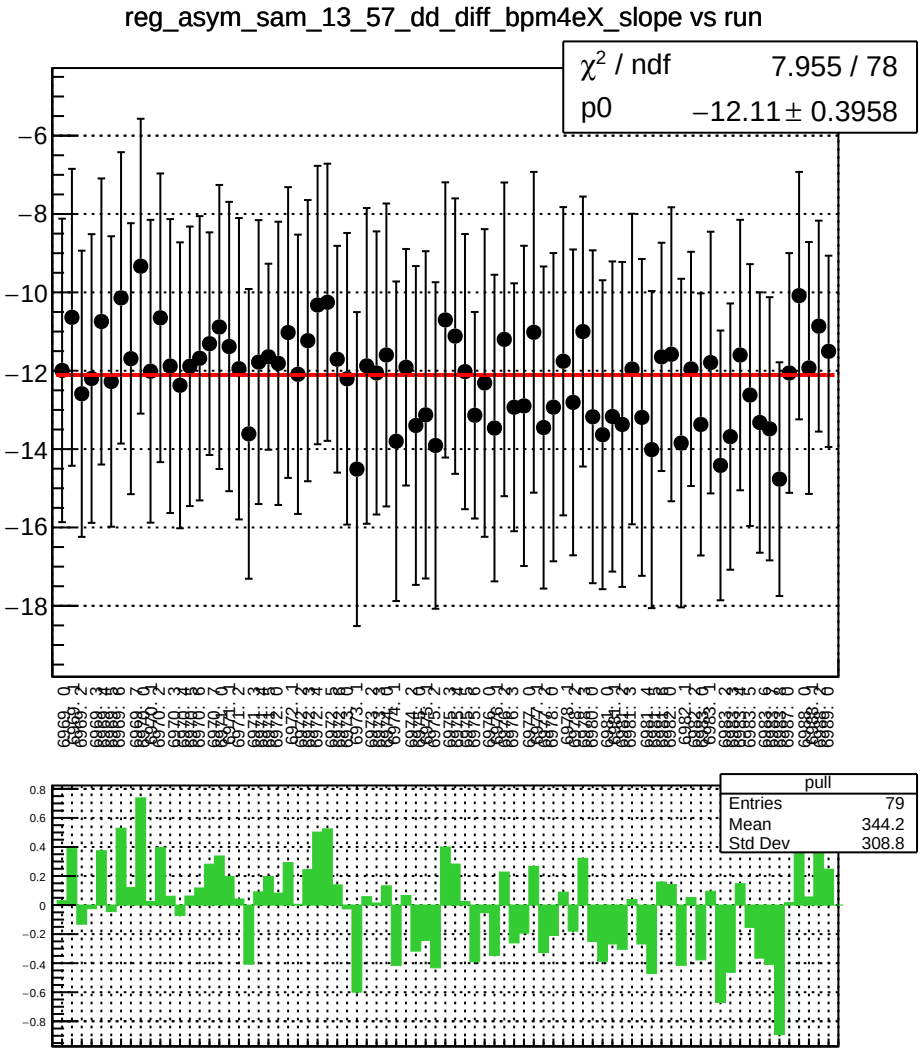

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 8.939 / 78
p0 −0.5884 ± 0.03867
pull
Entries 79
Mean 32.4
Std Dev 24.28
pull1D
Entries 79
Mean −0.01689
Std Dev 0.336

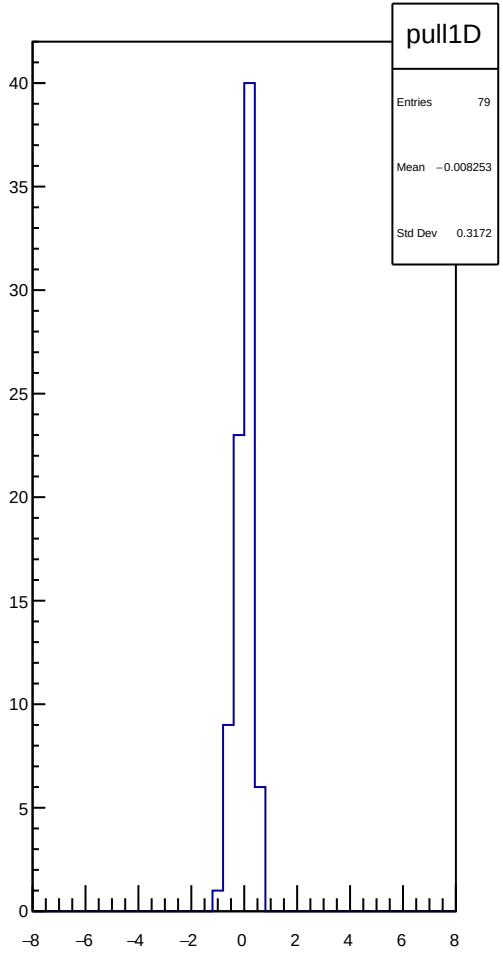

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ^2 / ndf 8.342 / 78
p0 −11.64 ± 0.4303
pull
Entries 79
Mean 274
Std Dev 242.2

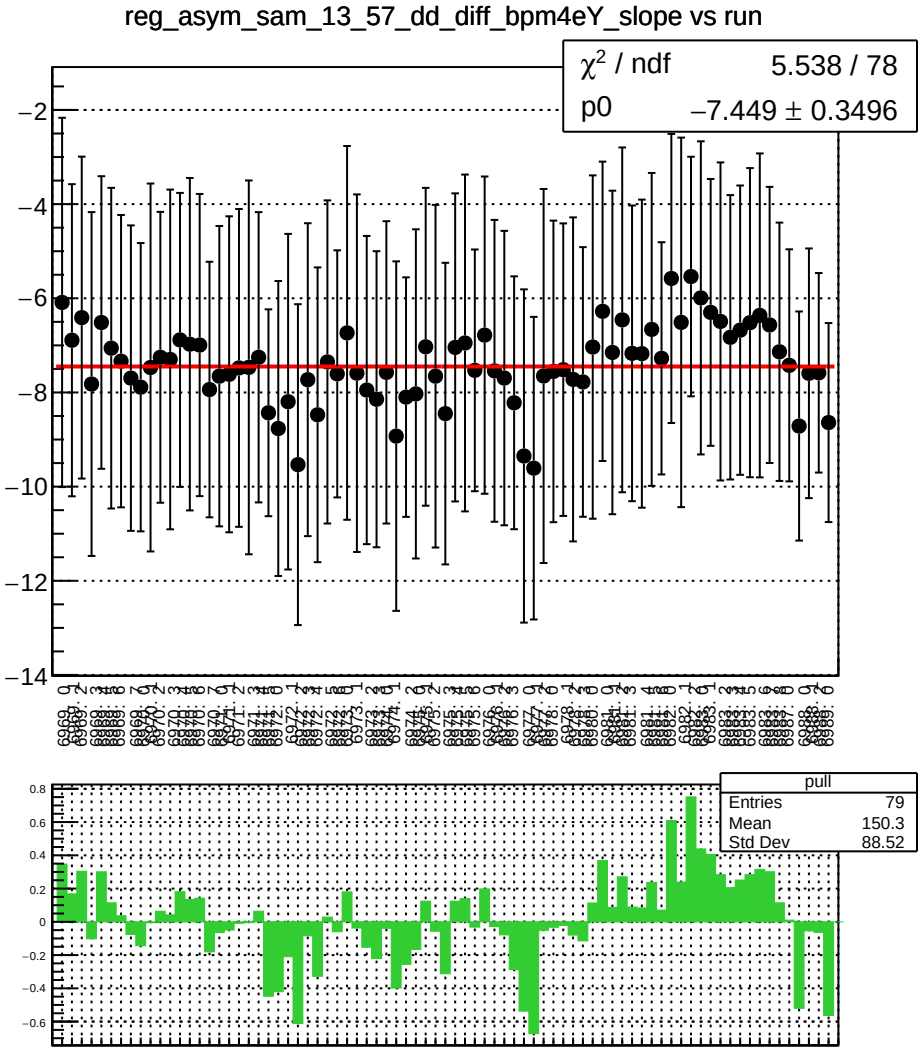

pull1D
Entries 79
Mean 0.009146
Std Dev 0.3248

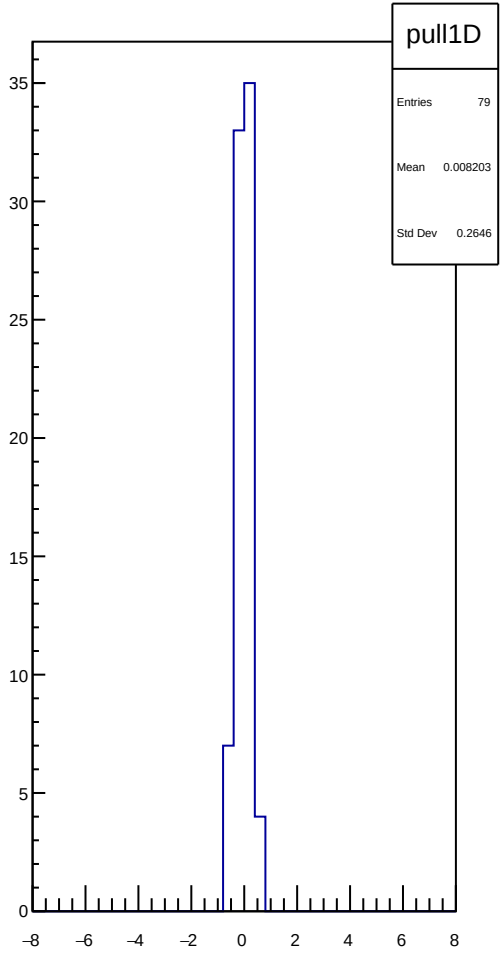

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 4.922 / 78
p0 −30.18 ± 0.3049
pull
Entries 79
Mean −4.894
Std Dev 29.92

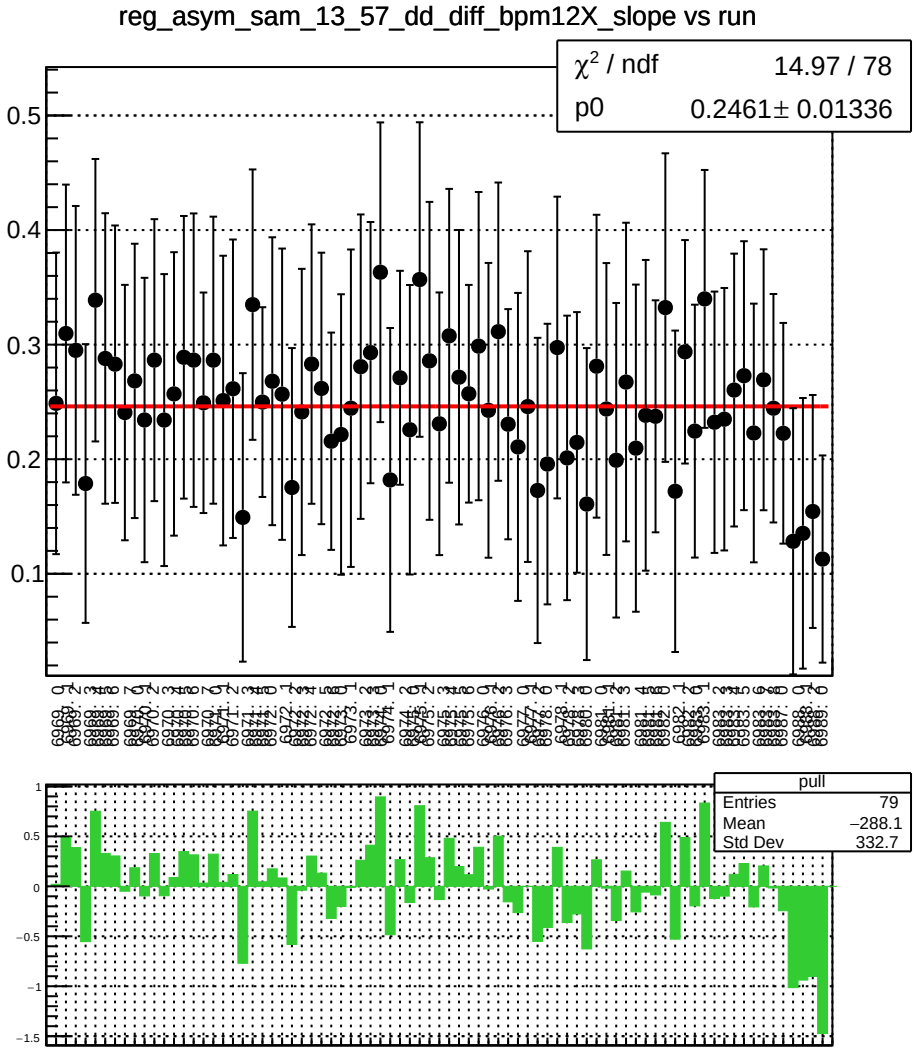

pull1D
Entries 79
Mean −0.01911
Std Dev 0.2489

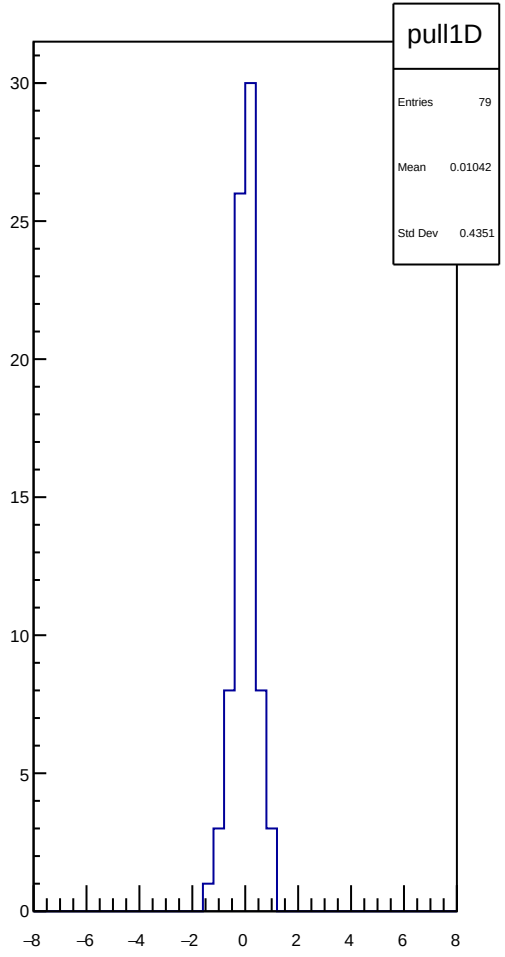

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 7.955 / 78
p0 −12.11 ± 0.3958
pull
Entries 79
Mean 344.2
Std Dev 308.8

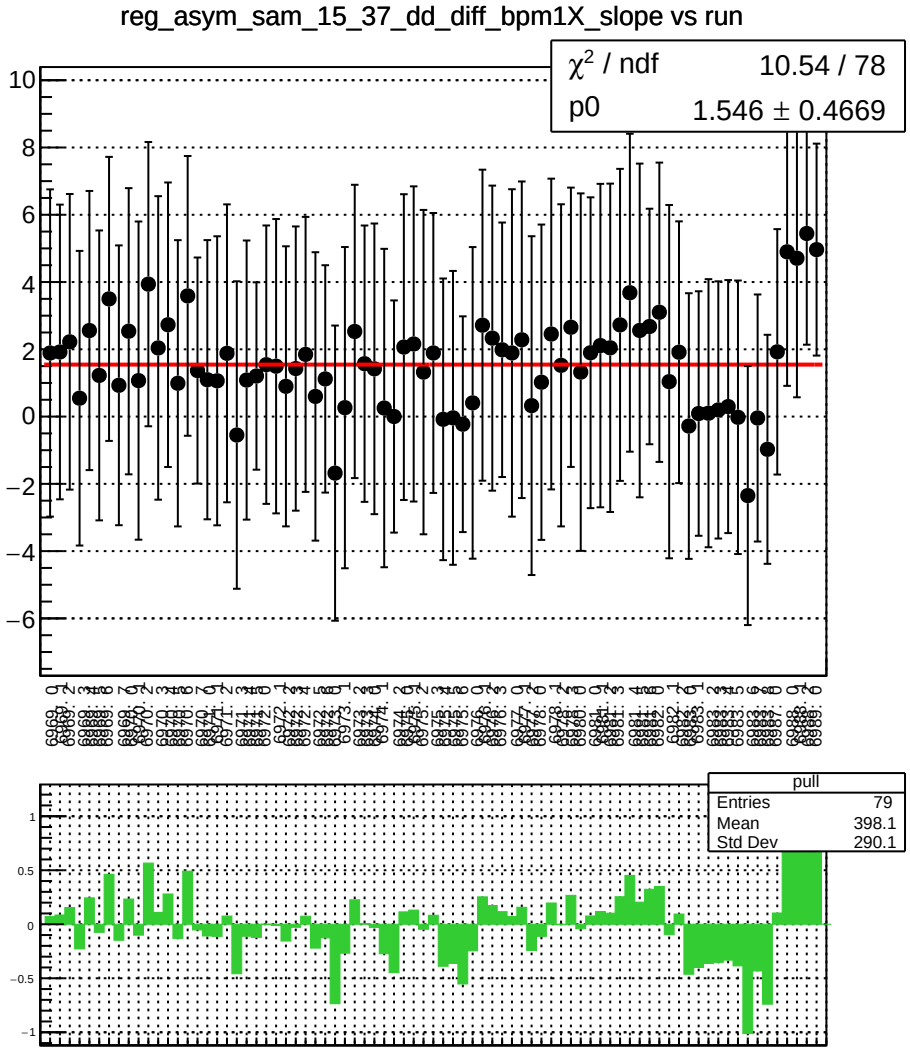

pull1D
Entries 79
Mean −0.008253
Std Dev 0.3172

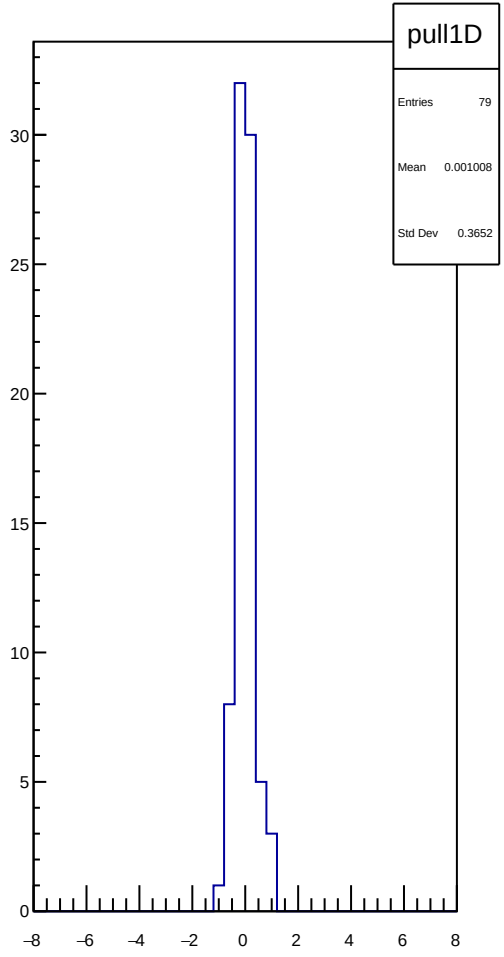

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 5.538 / 78
p0 −7.449 ± 0.3496
pull
Entries 79
Mean 150.3
Std Dev 88.52

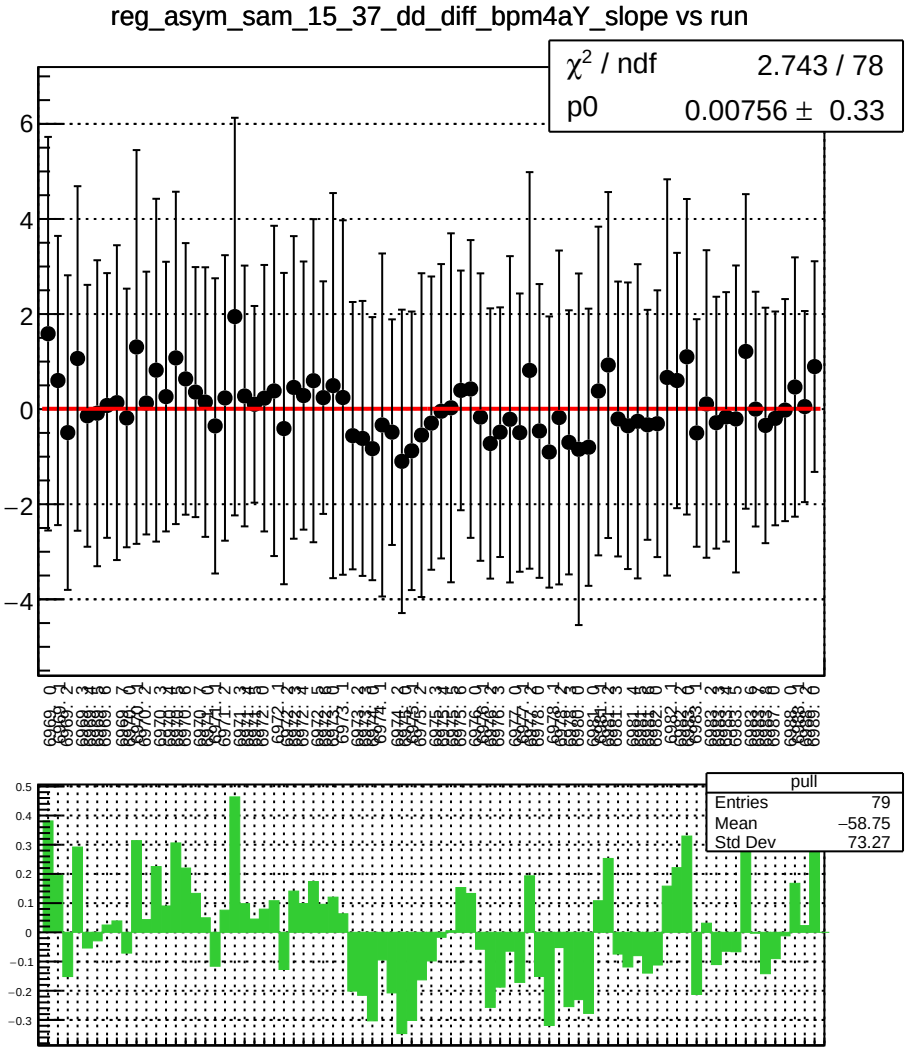

pull1D
Entries 79
Mean 0.008203
Std Dev 0.2646

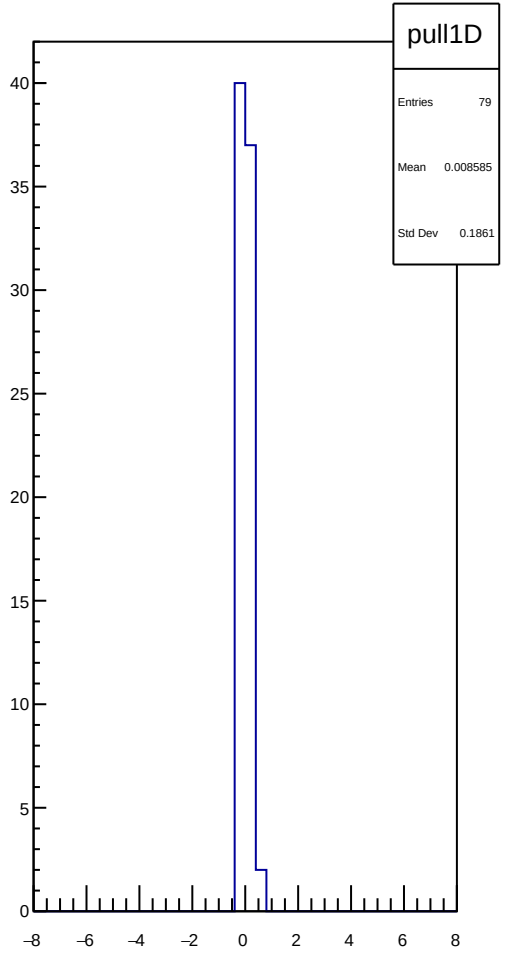

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ^2 / ndf 14.97 / 78
p0 0.2461± 0.01336
pull
Entries 79
Mean −288.1
Std Dev 332.7

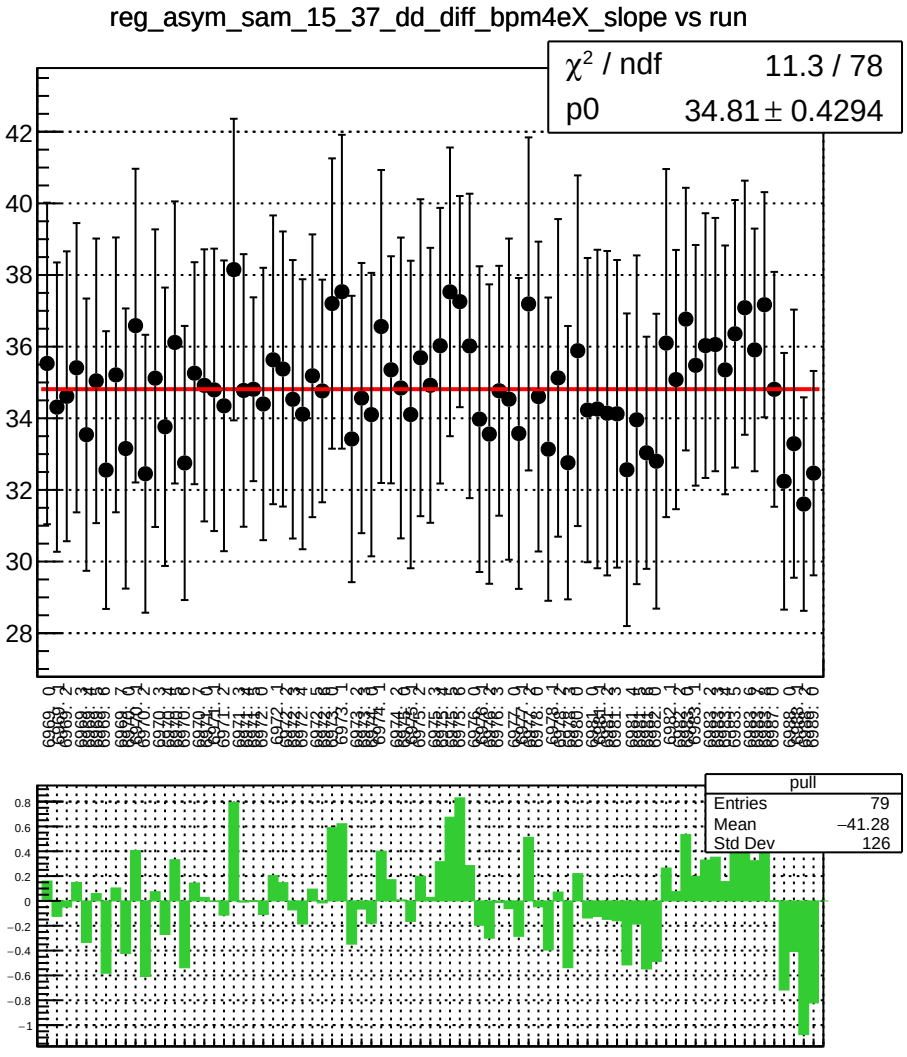

pull1D
Entries 79
Mean 0.01042
Std Dev 0.4351

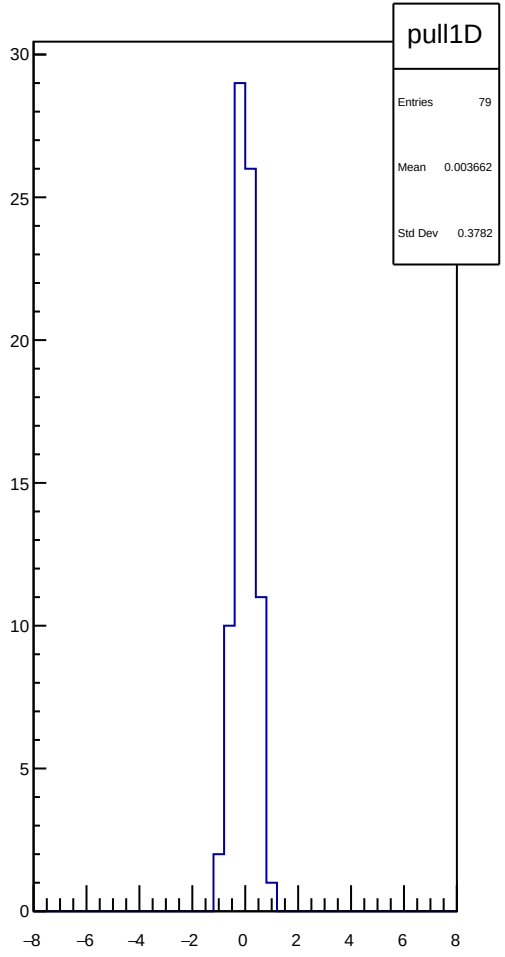

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 10.54 / 78
p0 1.546 ± 0.4669
pull
Entries 79
Mean 398.1
Std Dev 290.1

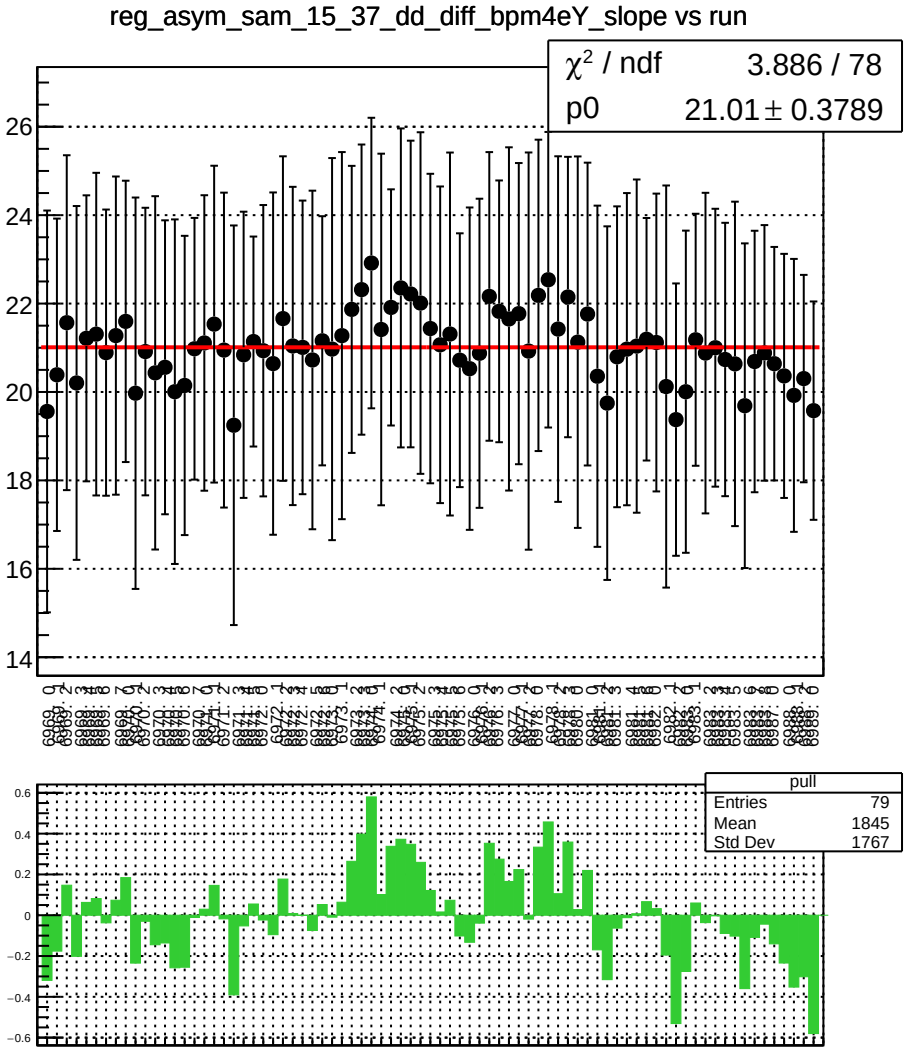

pull1D
Entries 79
Mean 0.001008
Std Dev 0.3652

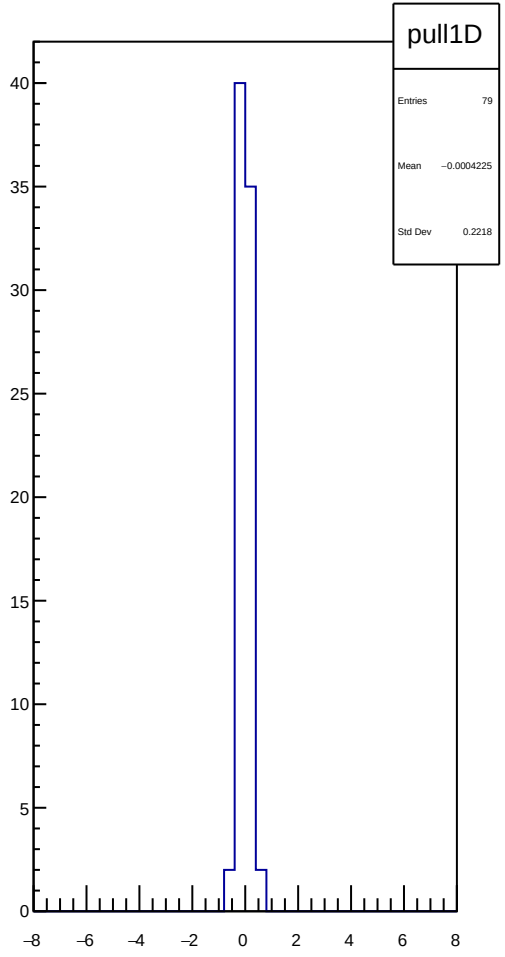

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.743 / 78
p0 0.00756 ± 0.33
pull
Entries 79
Mean −58.75
Std Dev 73.27

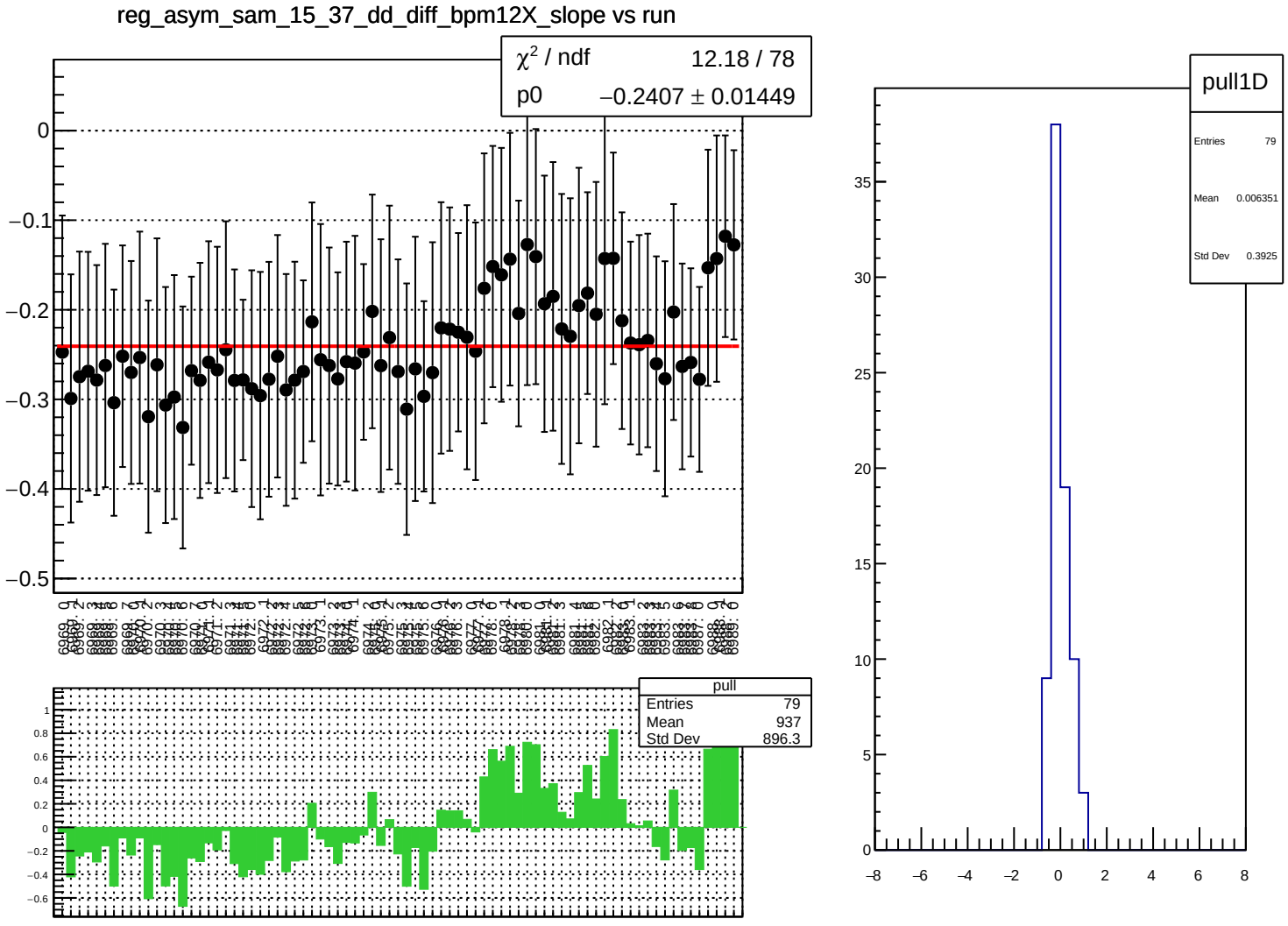

pull1D
Entries 79
Mean 0.008585
Std Dev 0.1861

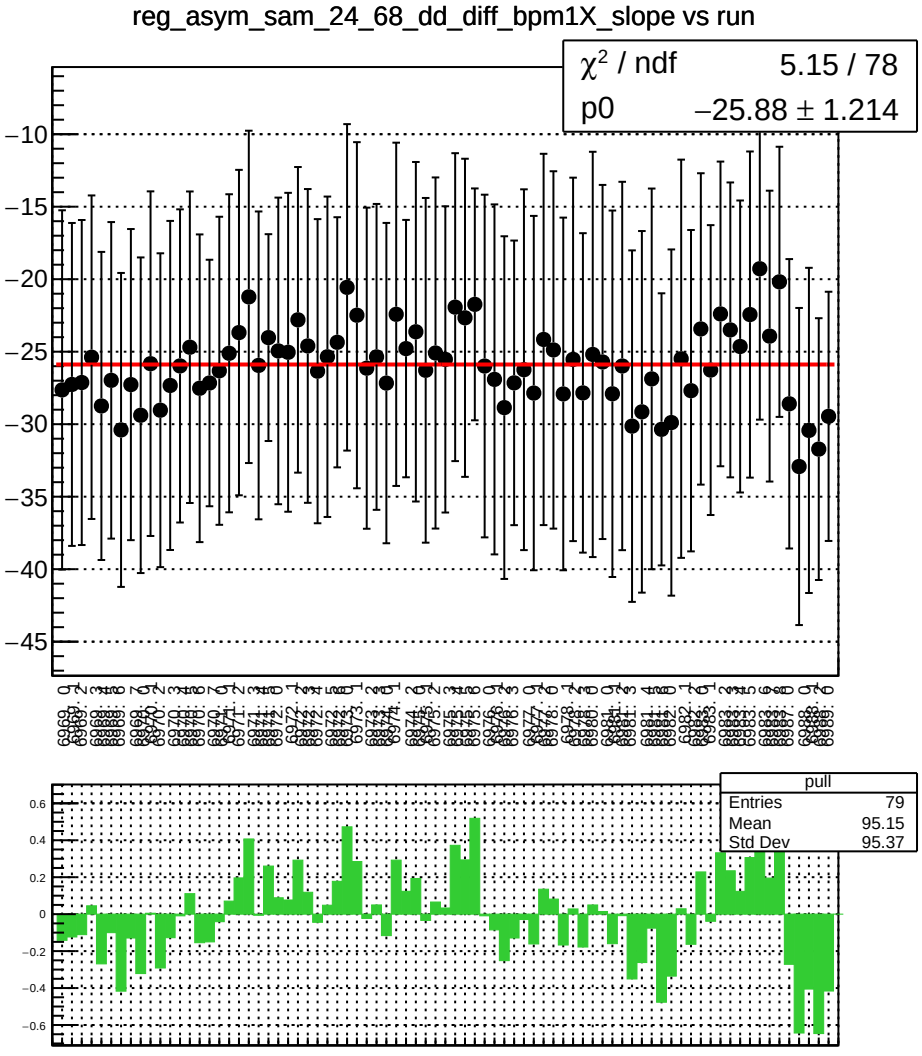

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 11.3 / 78
p0 34.81 ± 0.4294
pull
Entries 79
Mean −41.28
Std Dev 126

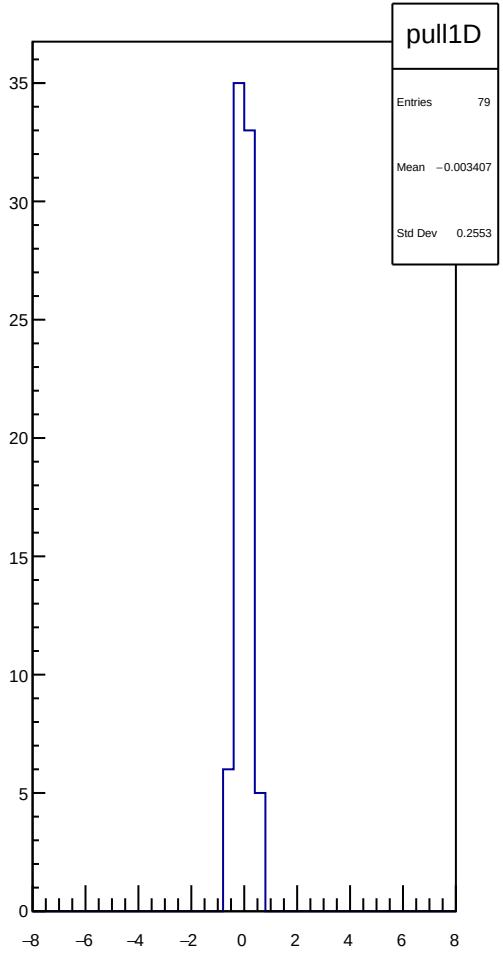

pull1D
Entries 79
Mean 0.003662
Std Dev 0.3782

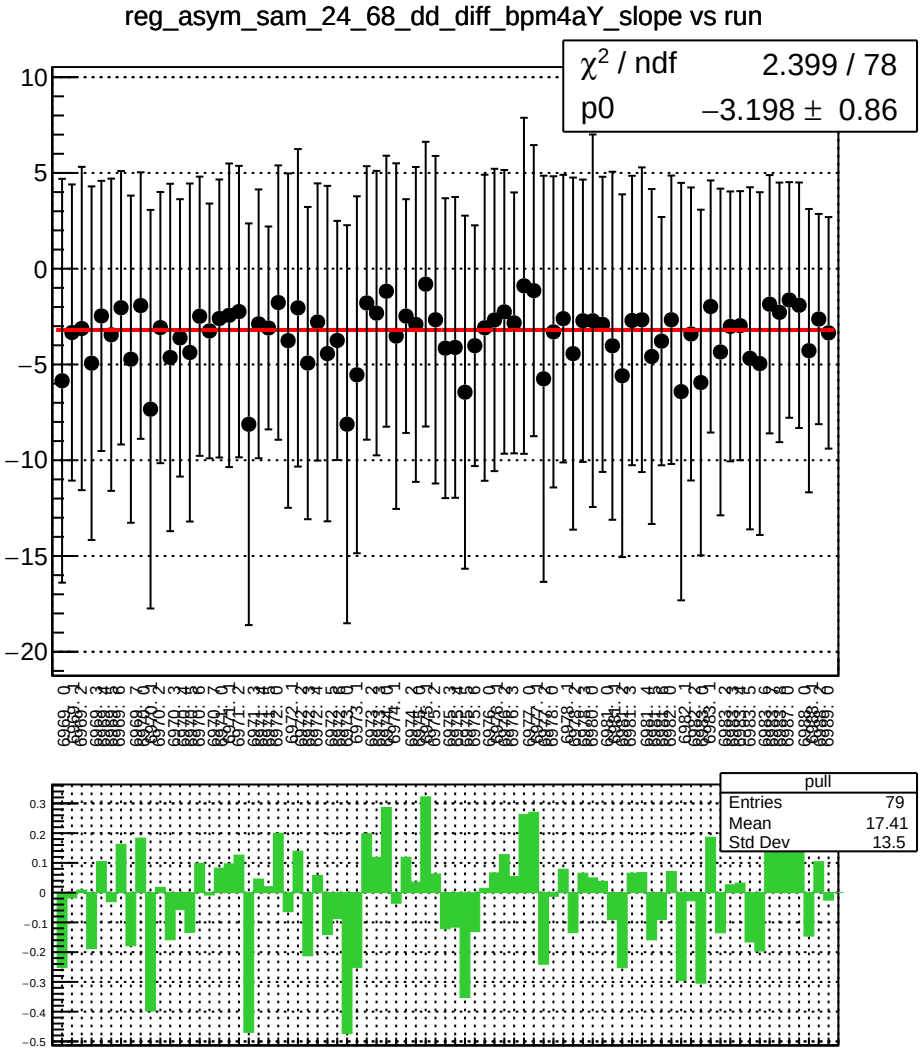

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 3.886 / 78
p0 21.01 ± 0.3789
pull
Entries 79
Mean 1845
Std Dev 1767

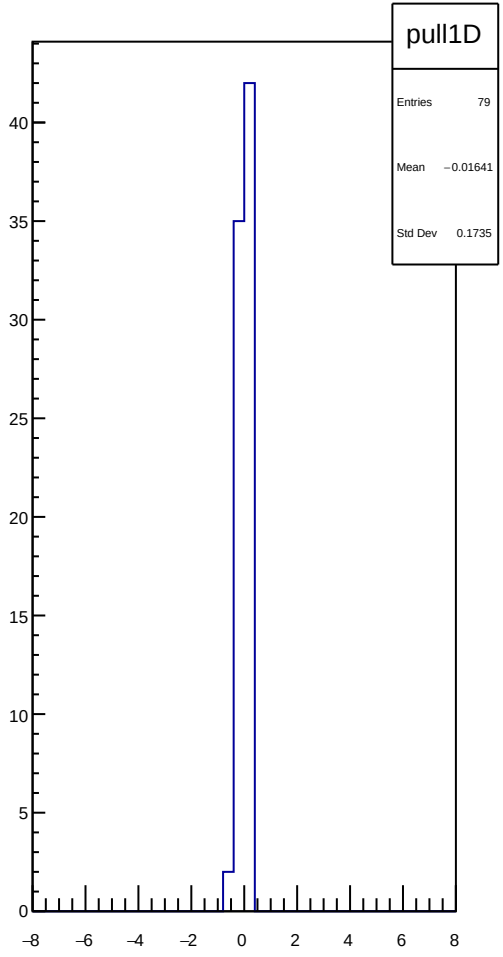

pull1D
Entries 79
Mean −0.0004225
Std Dev 0.2218

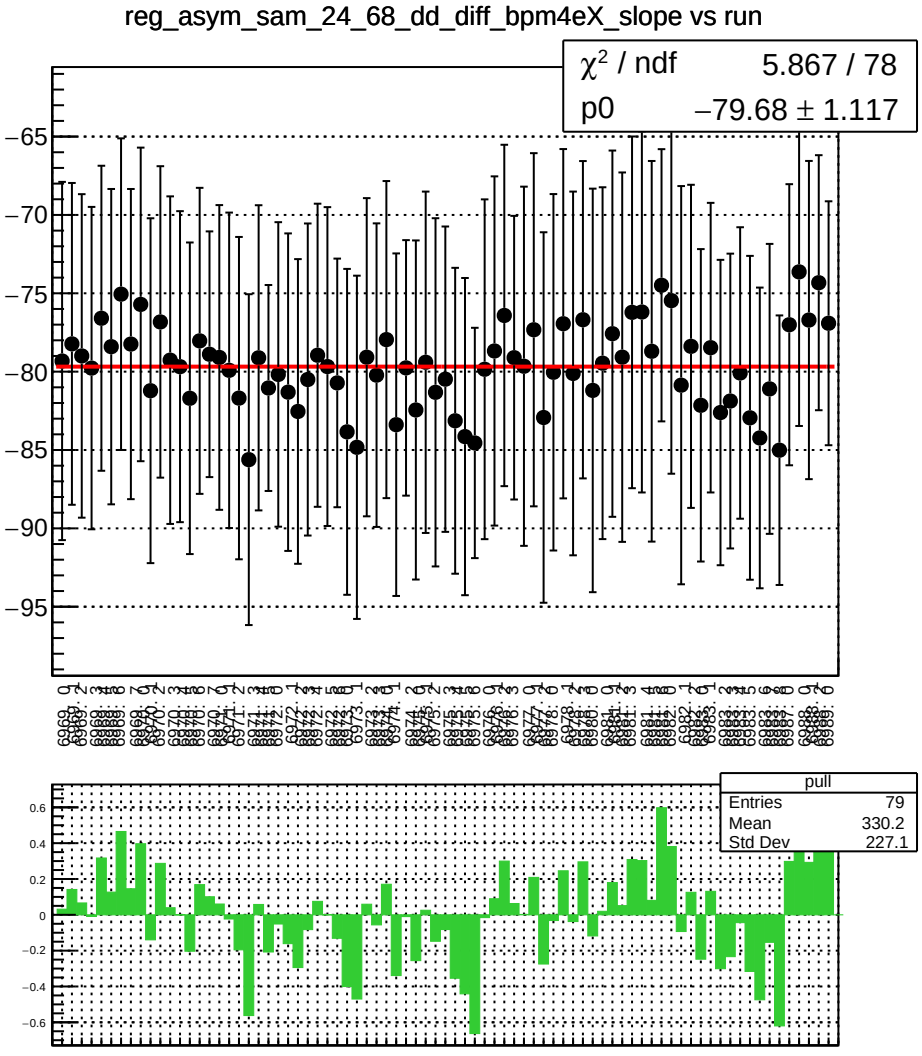

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 12.18 / 78
p0 −0.2407 ± 0.01449
pull
Entries 79
Mean 937
Std Dev 896.3
pull1D
Entries 79
Mean 0.006351
Std Dev 0.3925

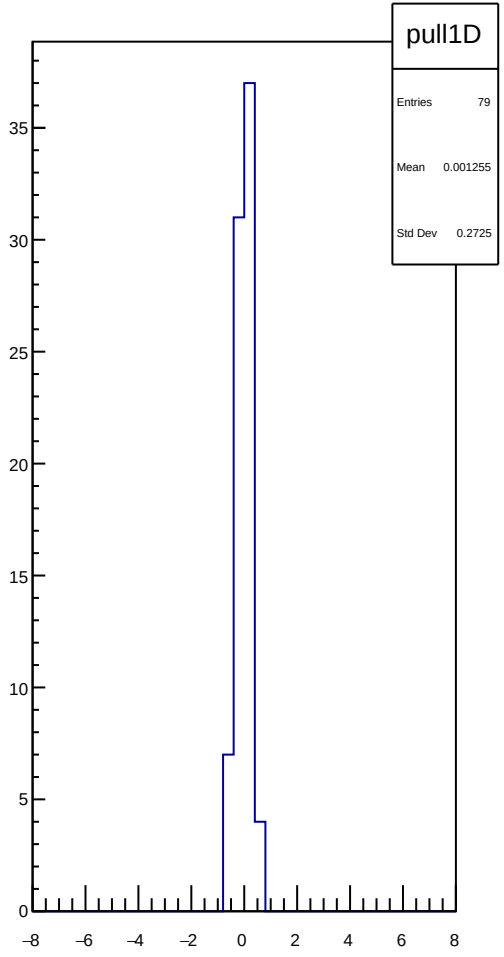

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 5.15 / 78
p0 −25.88 ± 1.214
pull
Entries 79
Mean 95.15
Std Dev 95.37

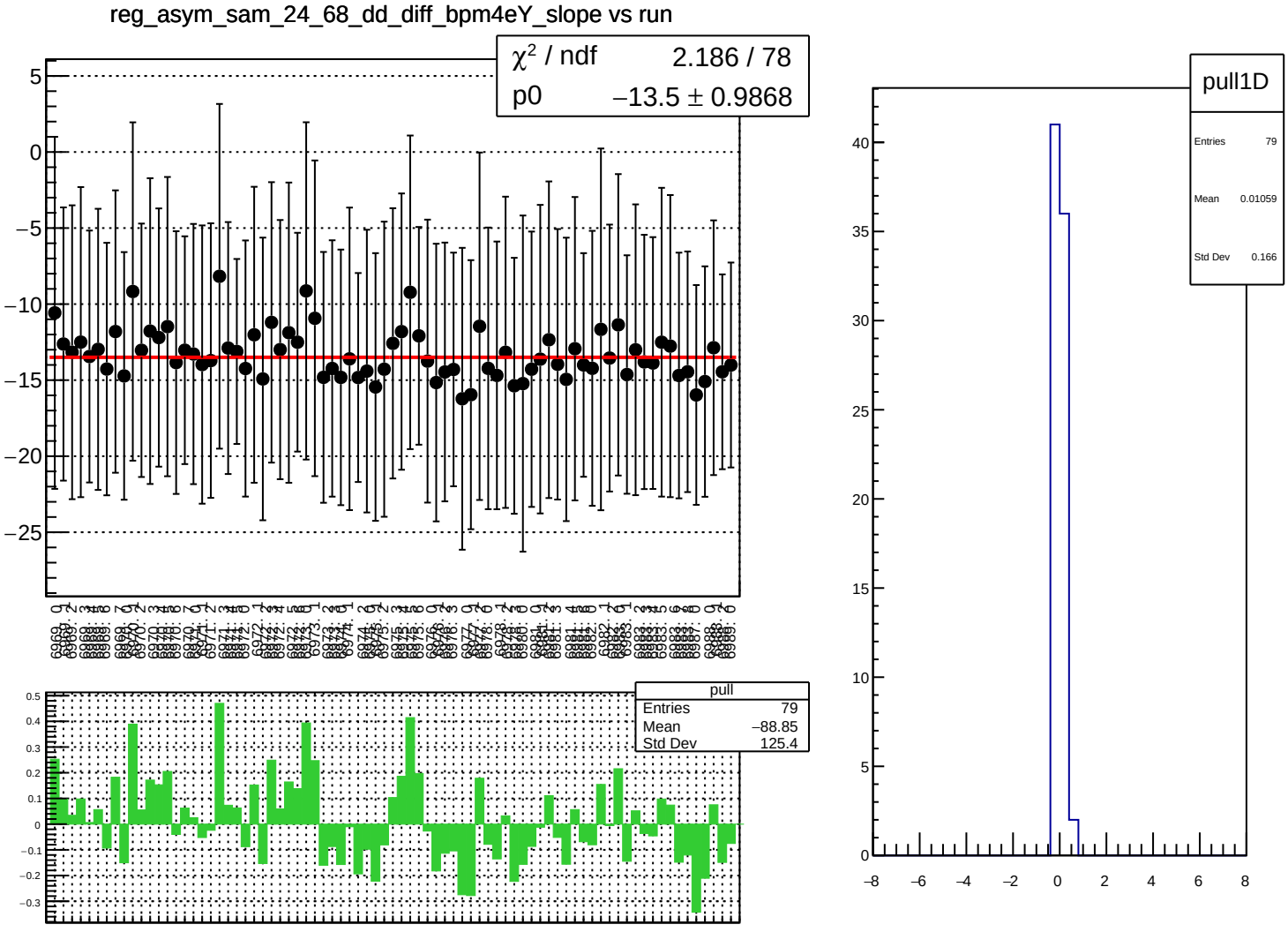

pull1D
Entries 79
Mean −0.003407
Std Dev 0.2553

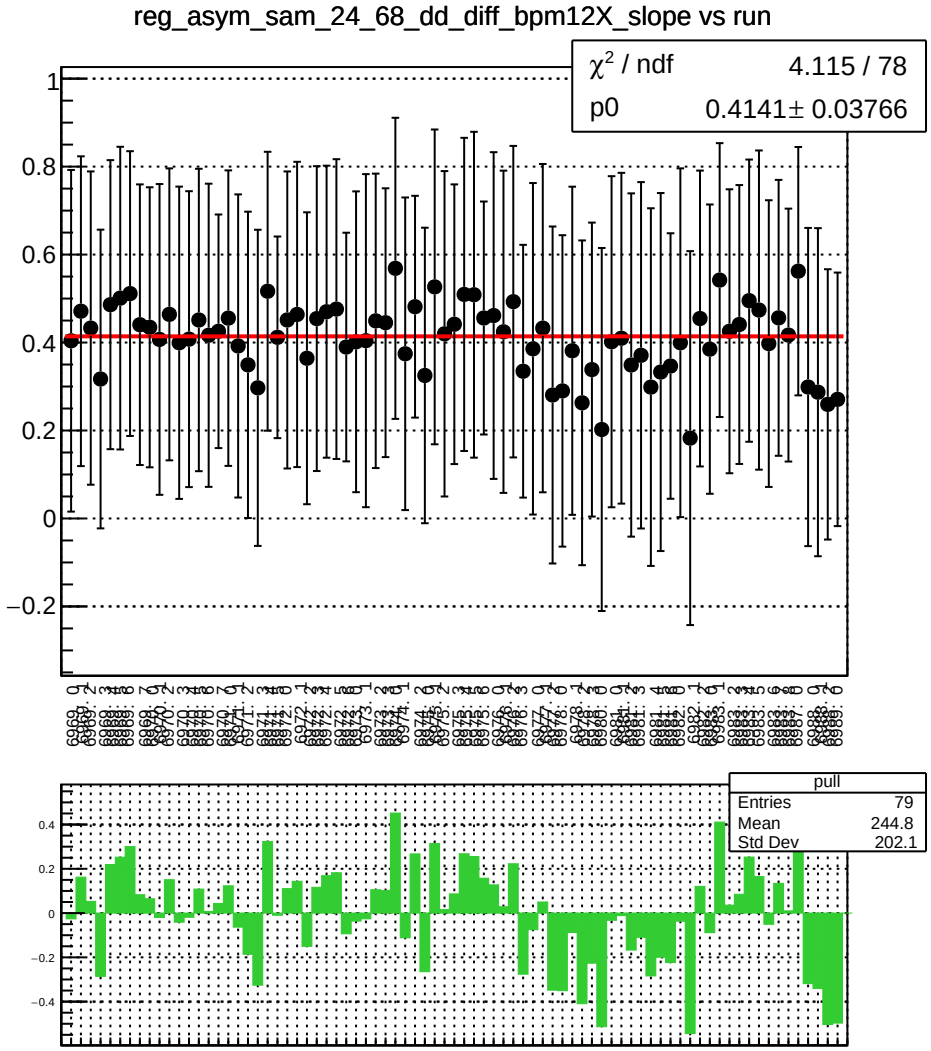

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.399 / 78
p0 −3.198 ± 0.86
pull
Entries 79
Mean 17.41
Std Dev 13.5

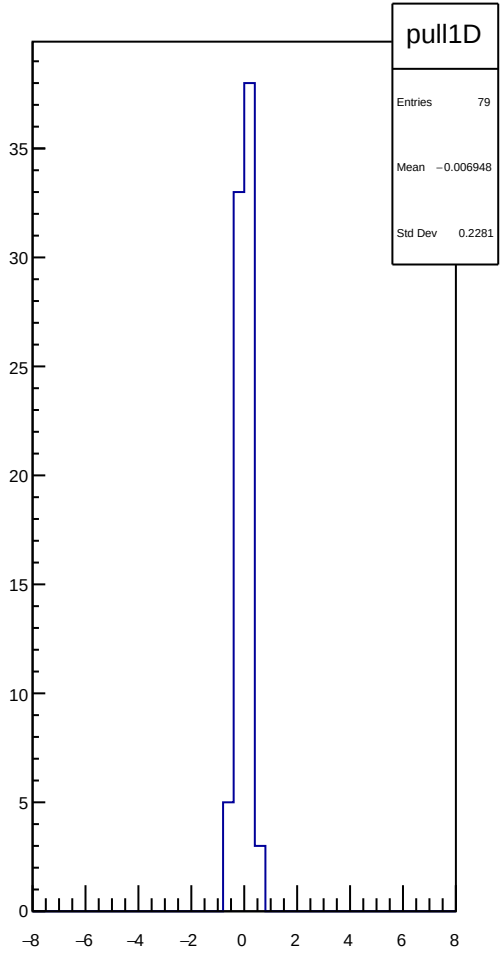

pull1D
Entries 79
Mean −0.01641
Std Dev 0.1735

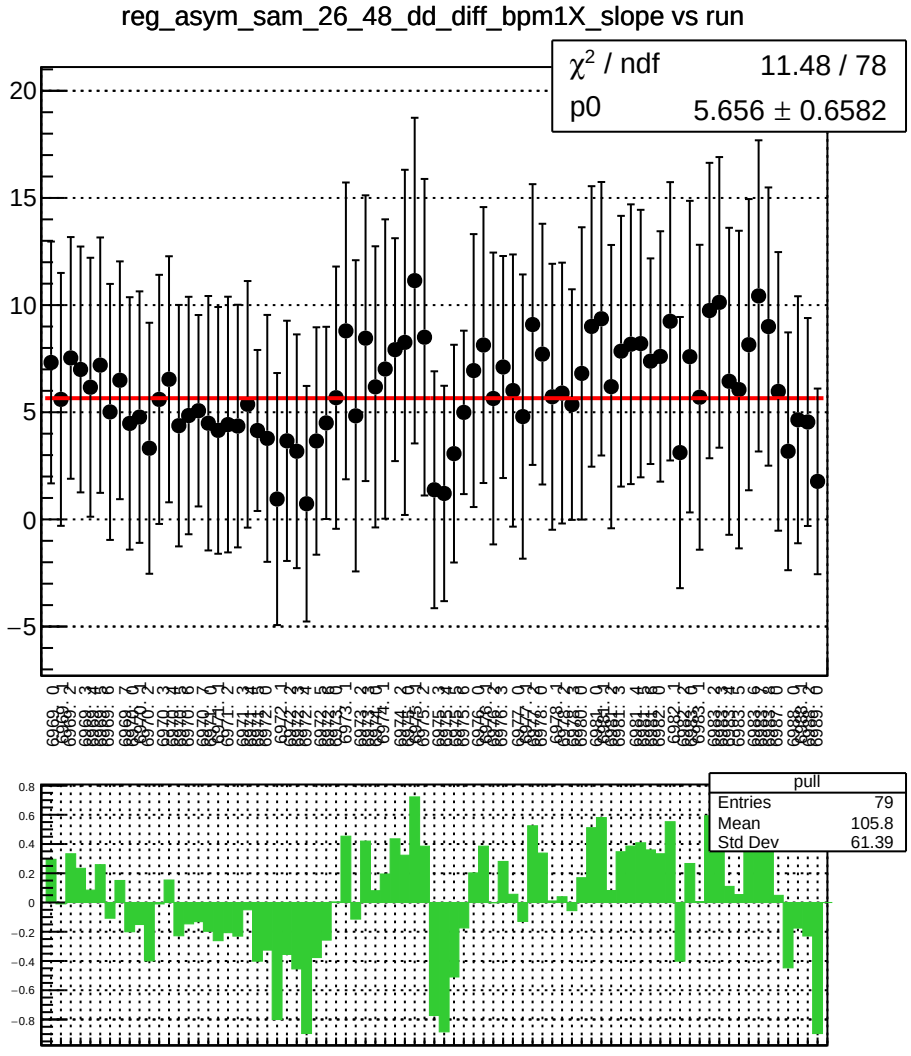

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.867 / 78
p0 −79.68 ± 1.117
pull
Entries 79
Mean 330.2
Std Dev 227.1

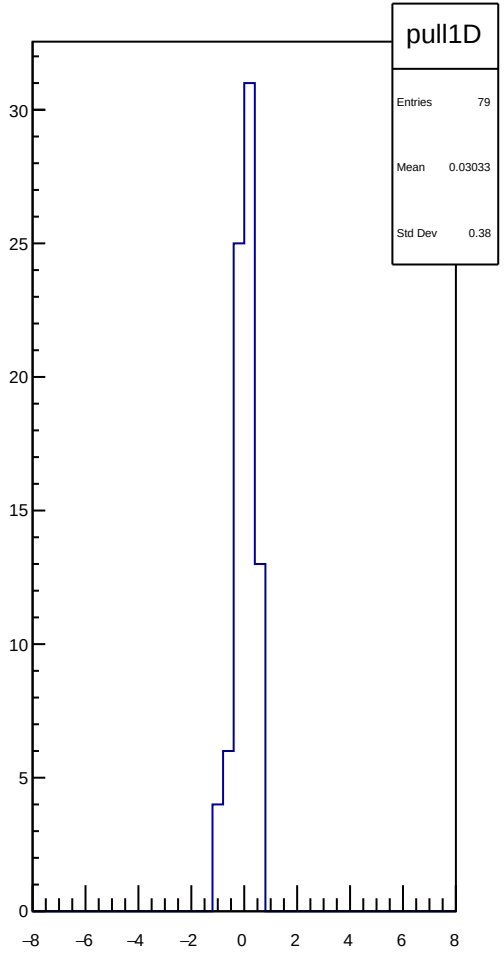

pull1D
Entries 79
Mean 0.001255
Std Dev 0.2725

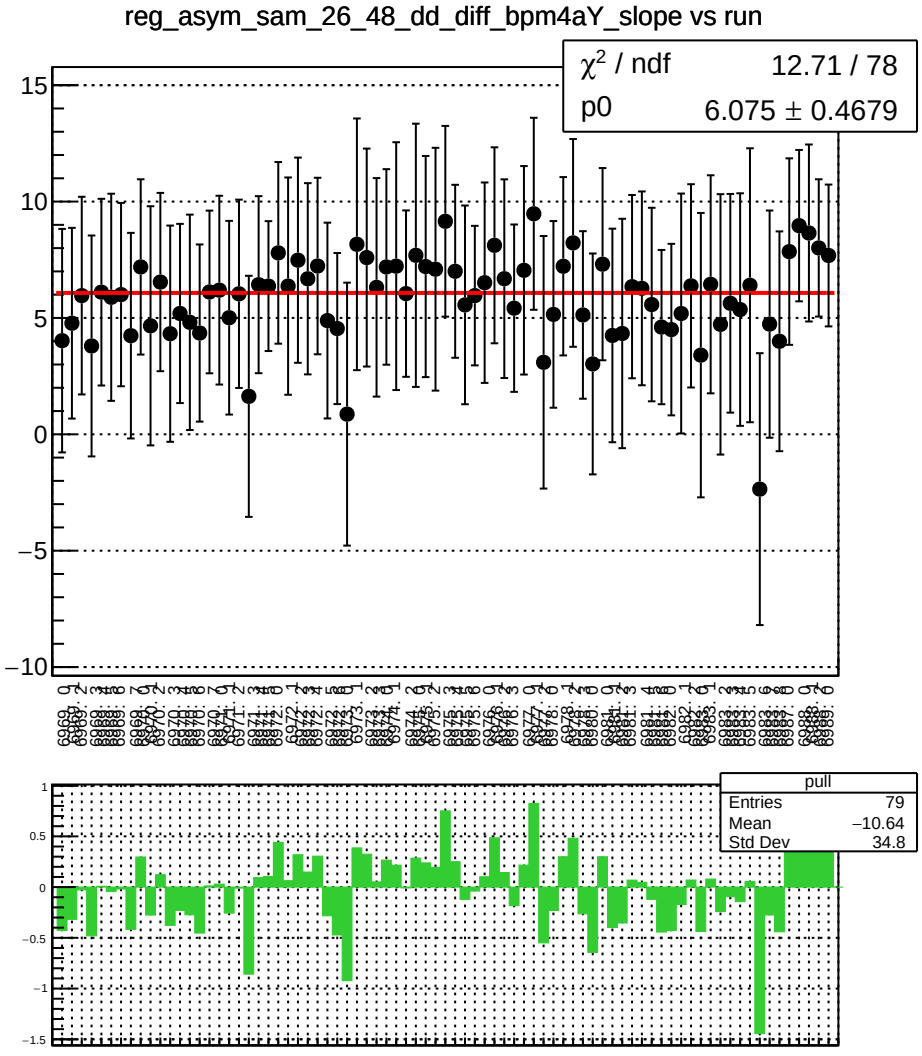

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.186 / 78
p0 −13.5 ± 0.9868
pull
Entries 79
Mean −88.85
Std Dev 125.4
pull1D
Entries 79
Mean 0.01059
Std Dev 0.166

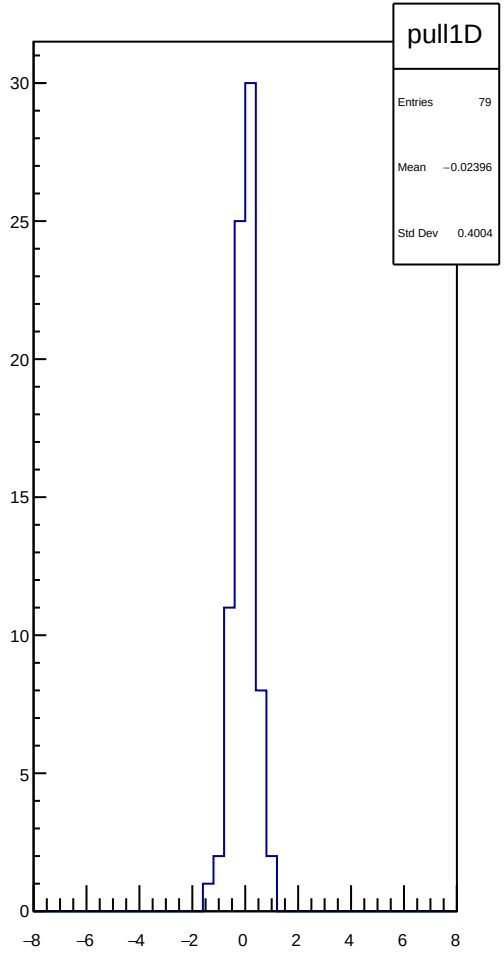

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ^2 / ndf 4.115 / 78
p0 0.4141± 0.03766
pull
Entries 79
Mean 244.8
Std Dev 202.1

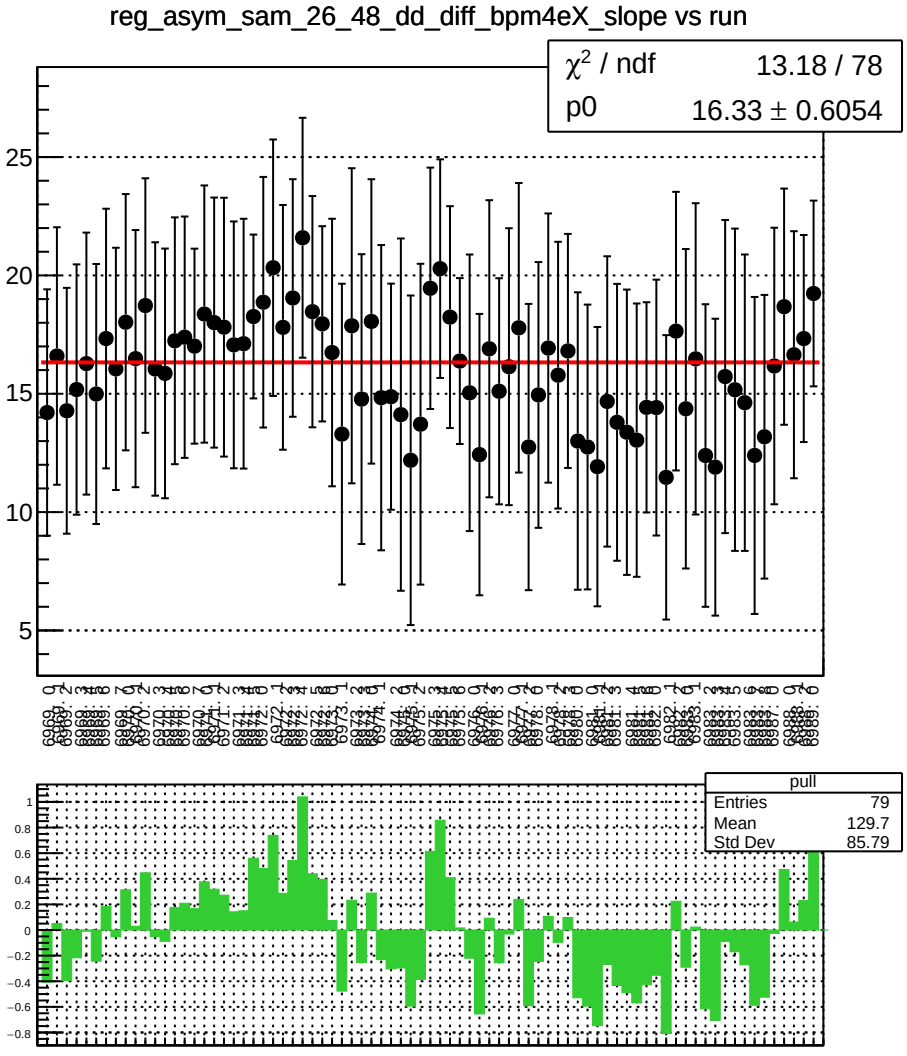

pull1D
Entries 79
Mean −0.006948
Std Dev 0.2281

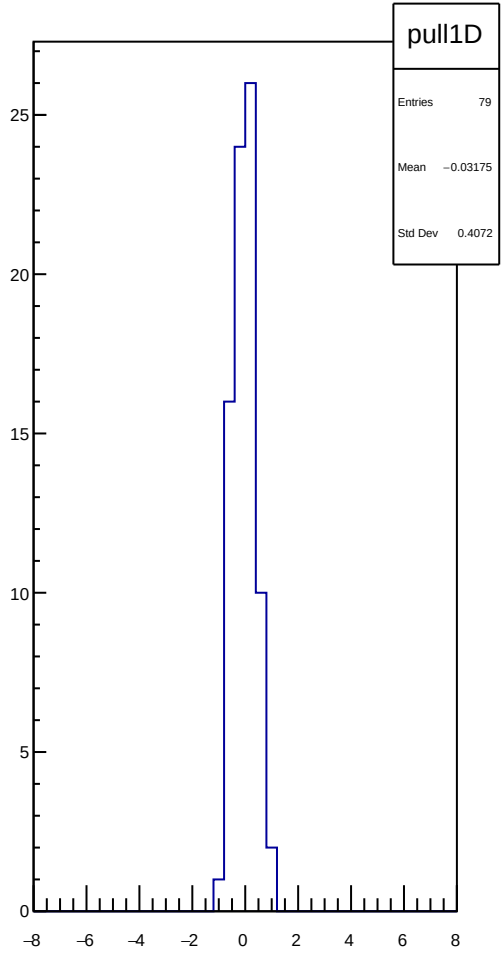

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 11.48 / 78
p0 5.656 ± 0.6582
pull
Entries 79
Mean 105.8
Std Dev 61.39

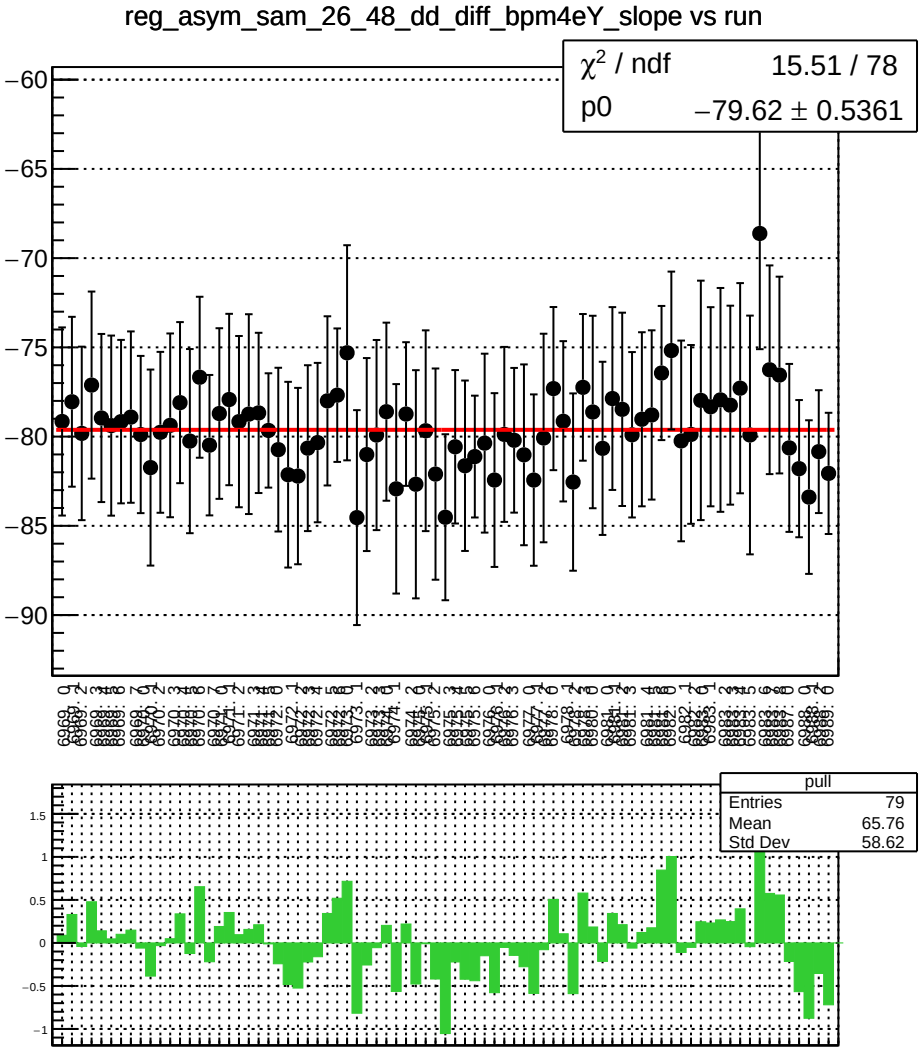

pull1D
Entries 79
Mean 0.03033
Std Dev 0.38

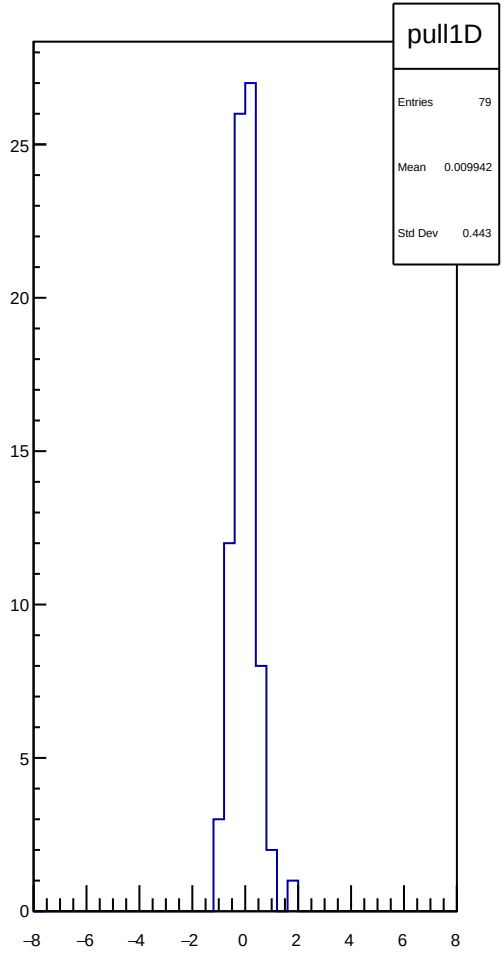

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.71 / 78
p0 6.075 ± 0.4679
pull
Entries 79
Mean −10.64
Std Dev 34.8

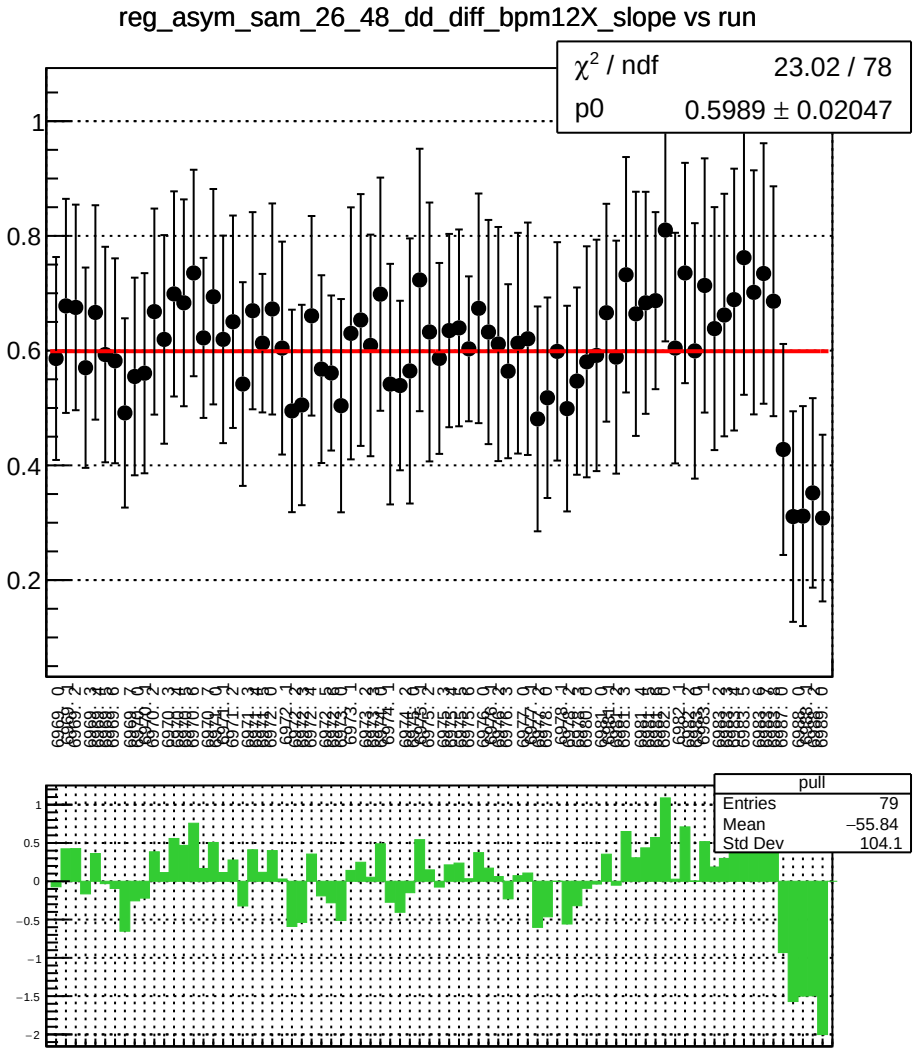

pull1D
Entries 79
Mean −0.02396
Std Dev 0.4004

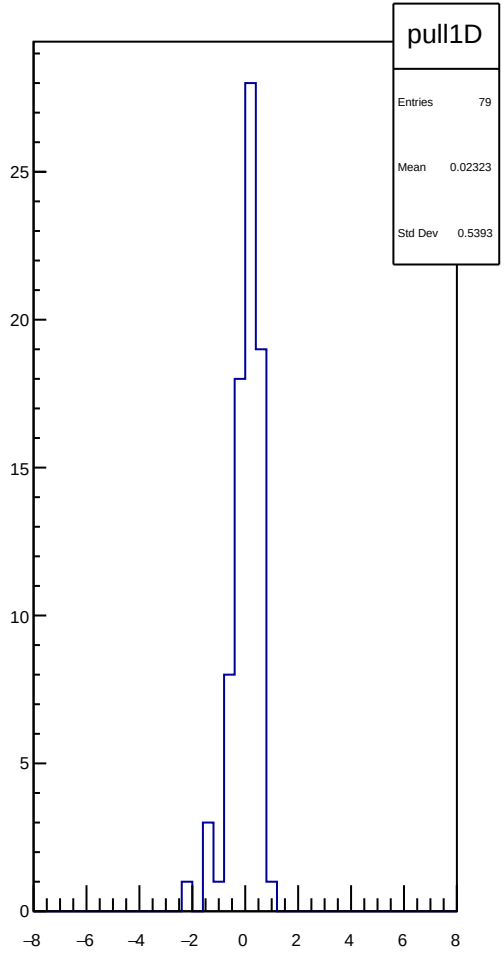

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 13.18 / 78
p0 16.33 ± 0.6054
pull
Entries 79
Mean 129.7
Std Dev 85.79

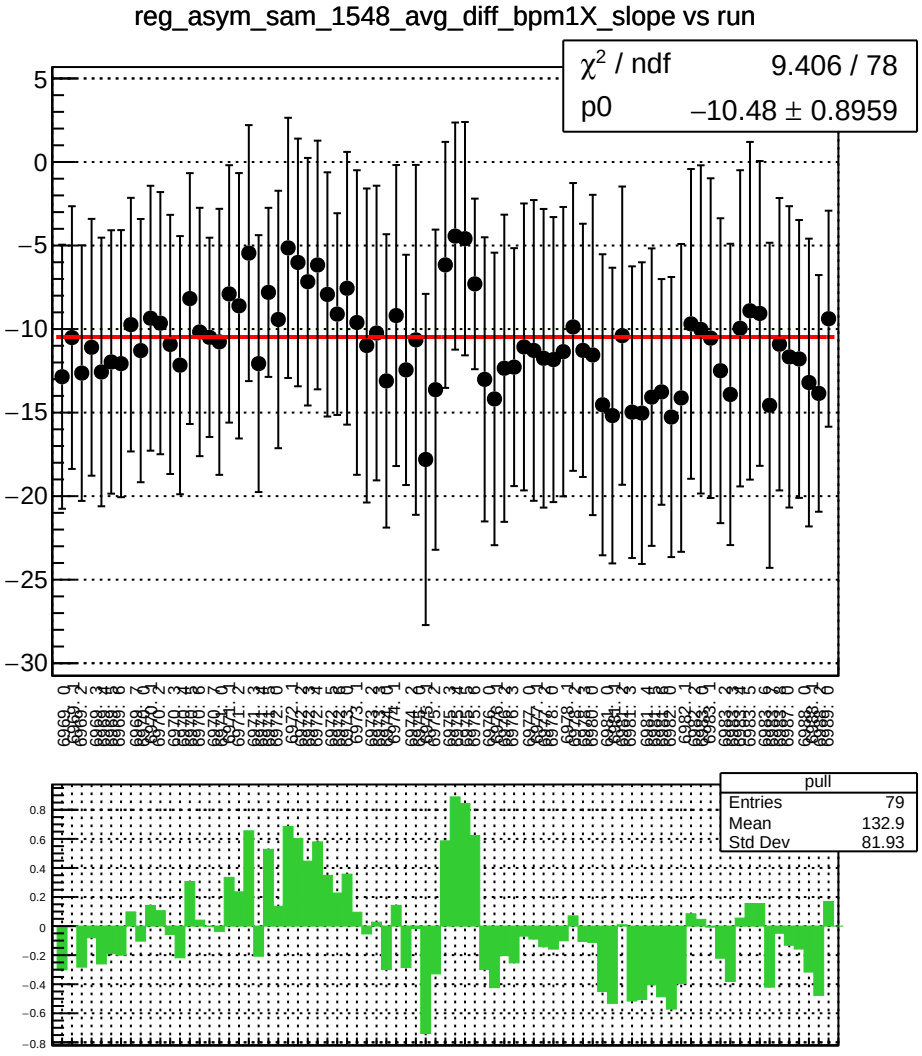

pull1D
Entries 79
Mean −0.03175
Std Dev 0.4072

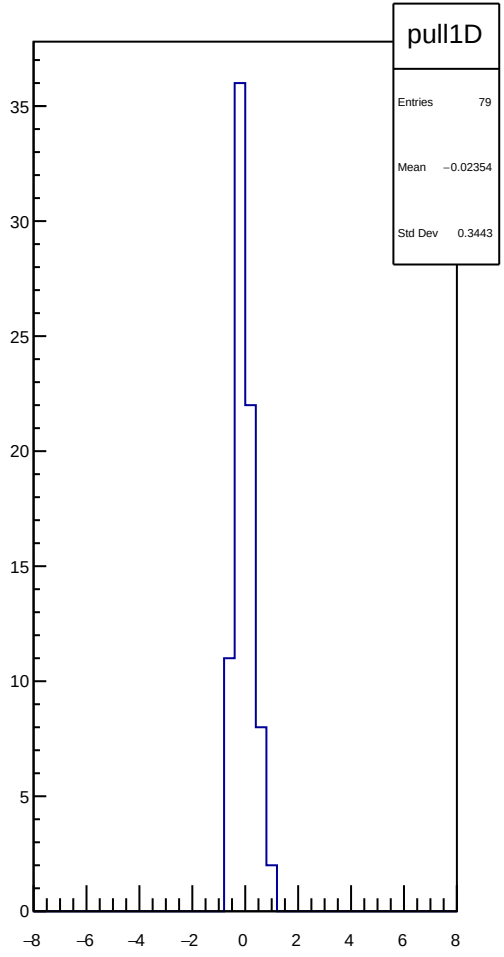

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.51 / 78
p0 −79.62 ± 0.5361
pull
Entries 79
Mean 65.76
Std Dev 58.62

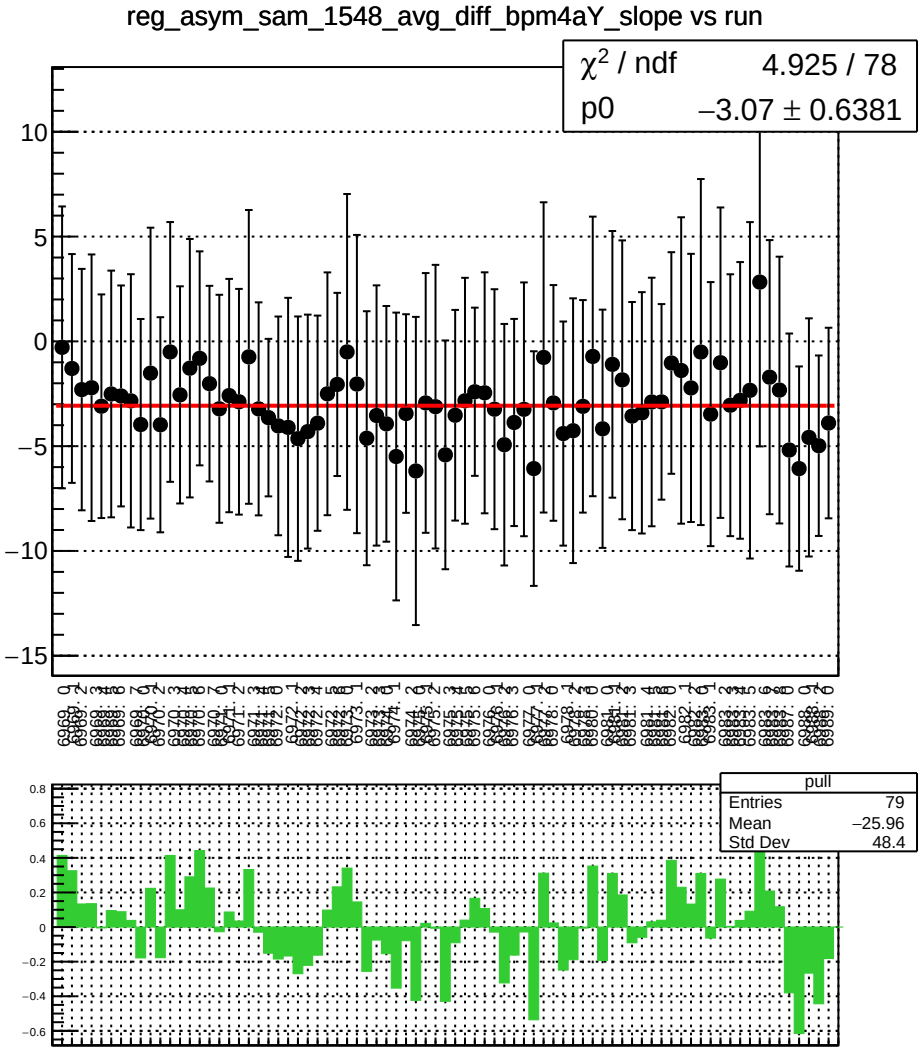

pull1D
Entries 79
Mean 0.009942
Std Dev 0.443

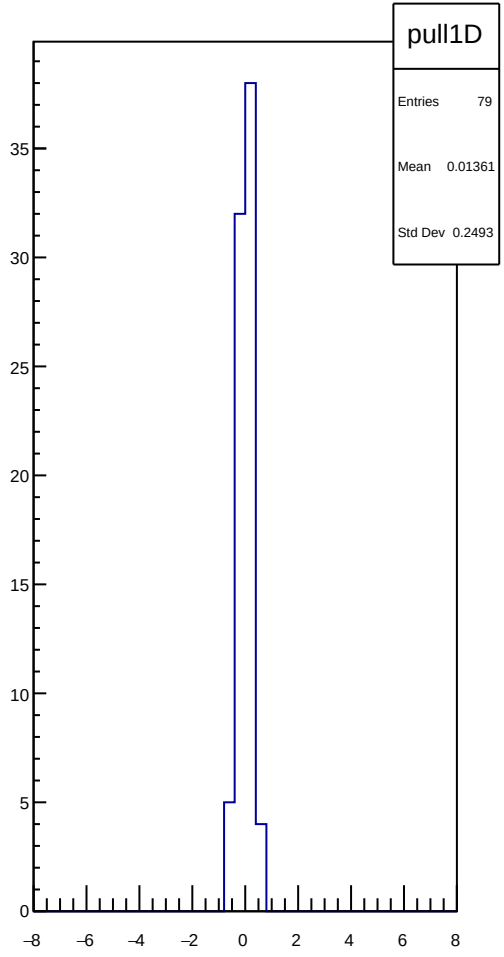

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 23.02 / 78
p0 0.5989 ± 0.02047
pull
Entries 79
Mean −55.84
Std Dev 104.1

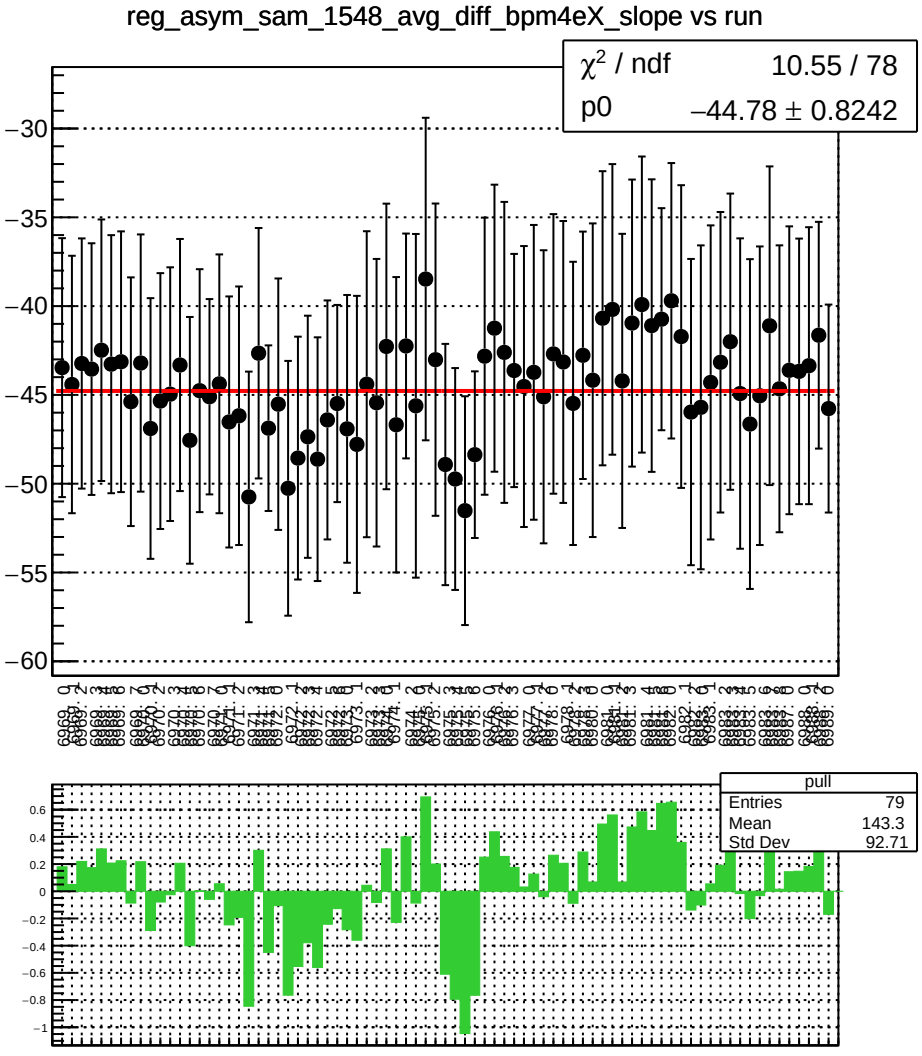

pull1D
Entries 79
Mean 0.02323
Std Dev 0.5393

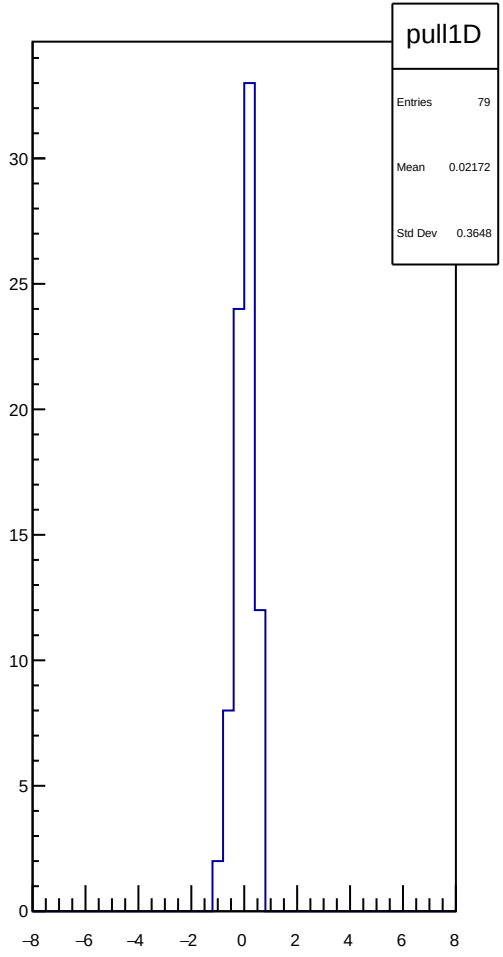

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ^2 / ndf 9.406 / 78
p0 −10.48 ± 0.8959
pull
Entries 79
Mean 132.9
Std Dev 81.93

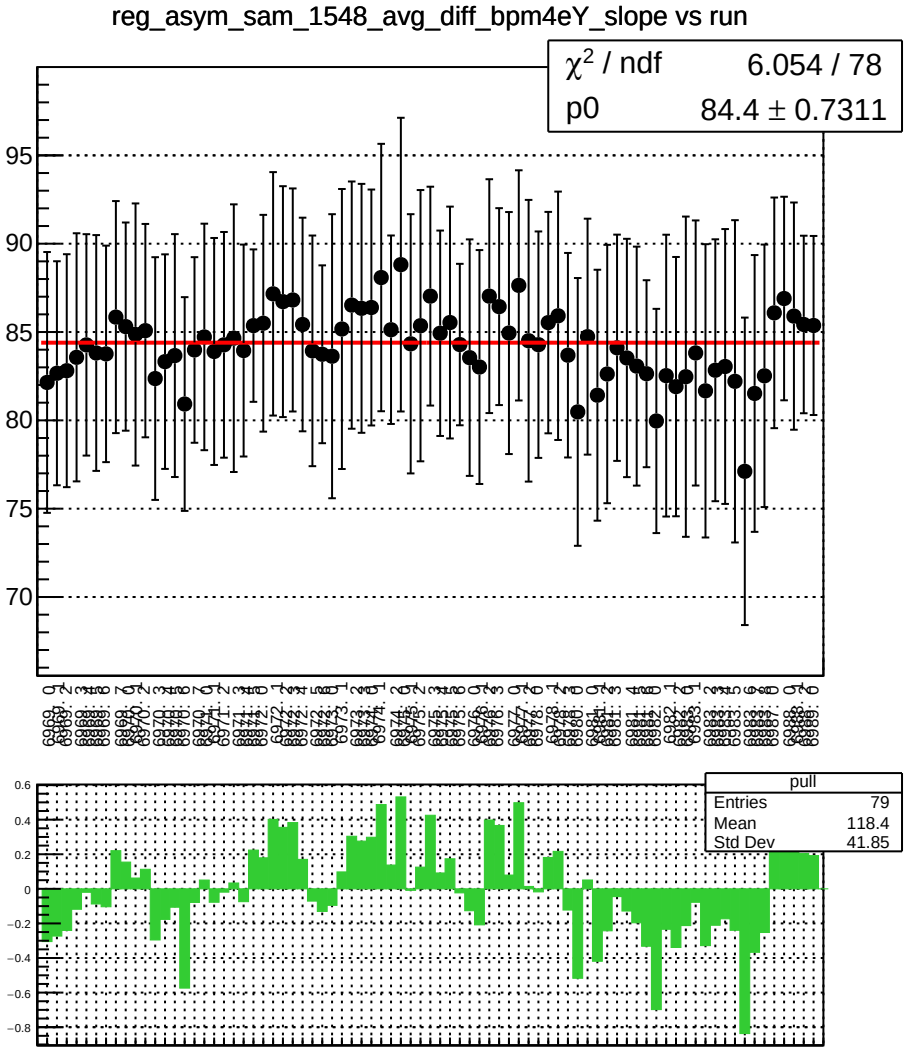

pull1D
Entries 79
Mean −0.02354
Std Dev 0.3443

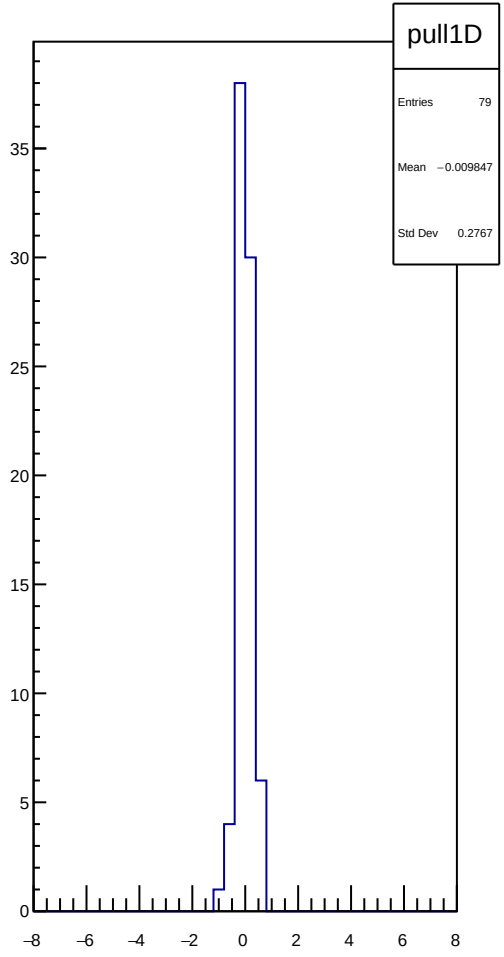

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.925 / 78
p0 −3.07 ± 0.6381
pull
Entries 79
Mean −25.96
Std Dev 48.4

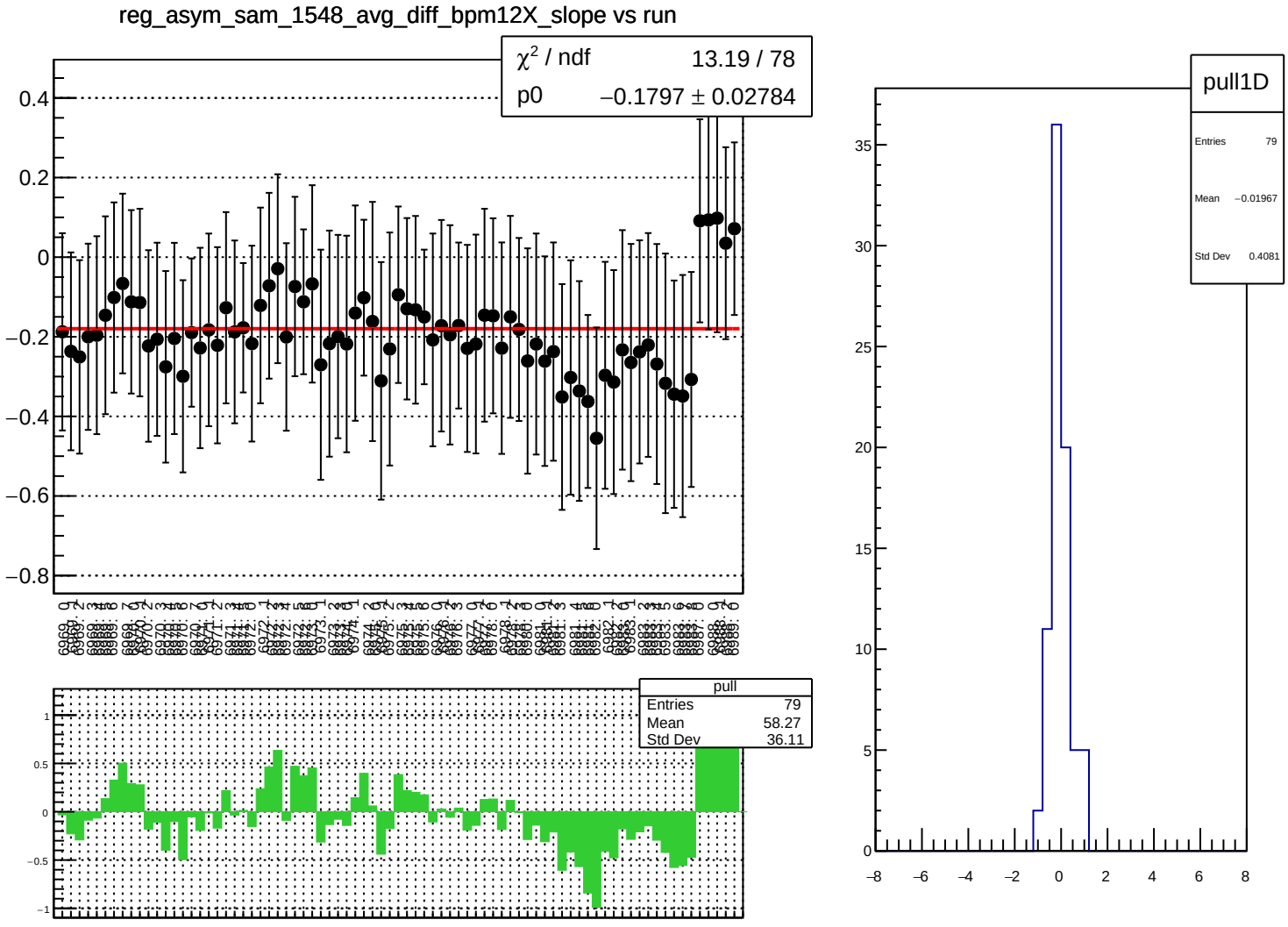

pull1D
Entries 79
Mean 0.01361
Std Dev 0.2493

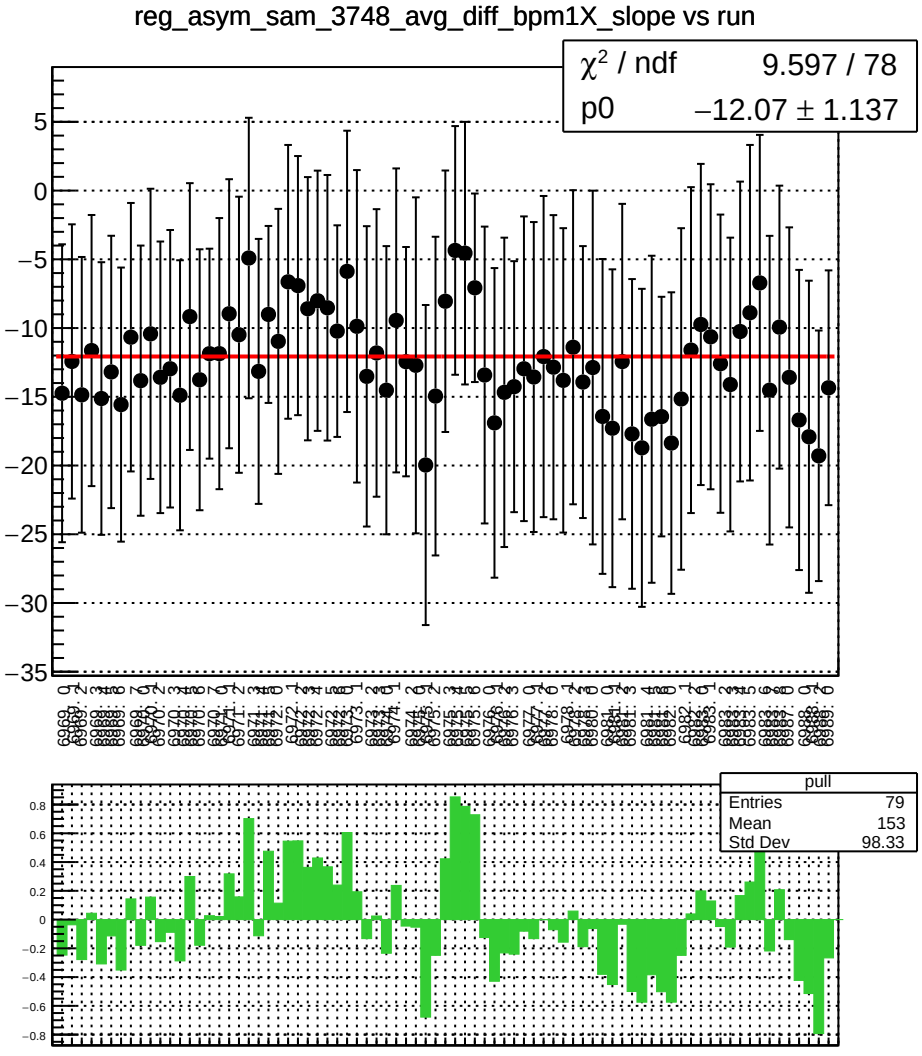

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 10.55 / 78
p0 −44.78 ± 0.8242
pull
Entries 79
Mean 143.3
Std Dev 92.71

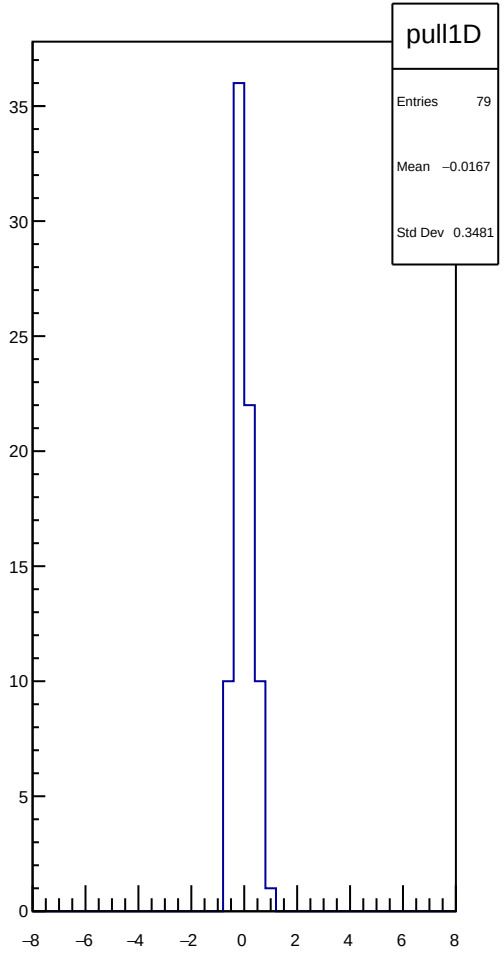

pull1D
Entries 79
Mean 0.02172
Std Dev 0.3648

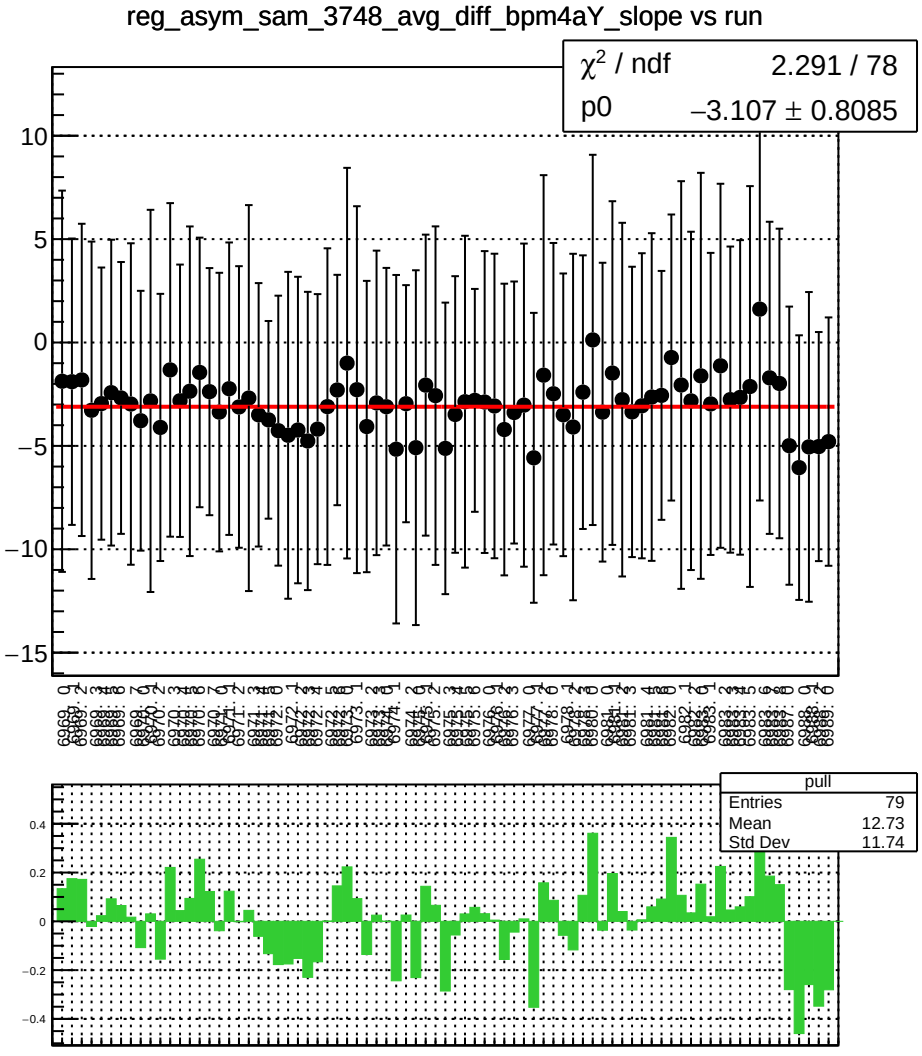

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.054 / 78
p0 84.4 ± 0.7311
pull
Entries 79
Mean 118.4
Std Dev 41.85

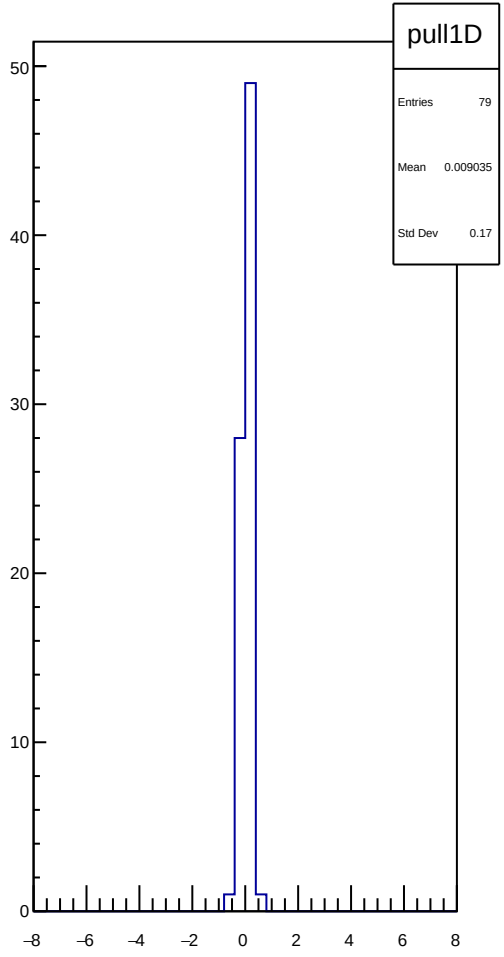

pull1D
Entries 79
Mean −0.009847
Std Dev 0.2767

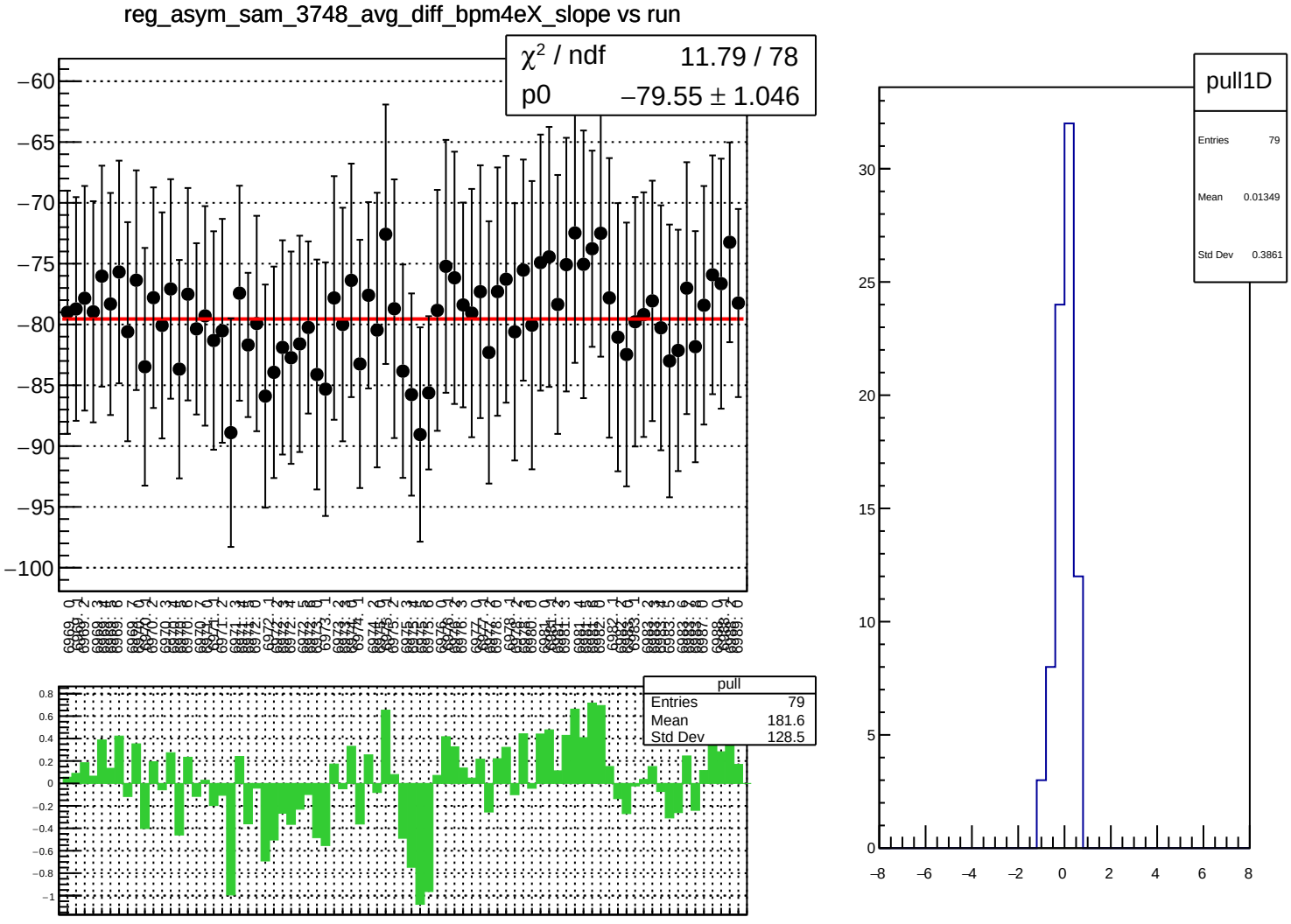

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 13.19 / 78
p0 −0.1797 ± 0.02784
pull
Entries 79
Mean 58.27
Std Dev 36.11
pull1D
Entries 79
Mean −0.01967
Std Dev 0.4081

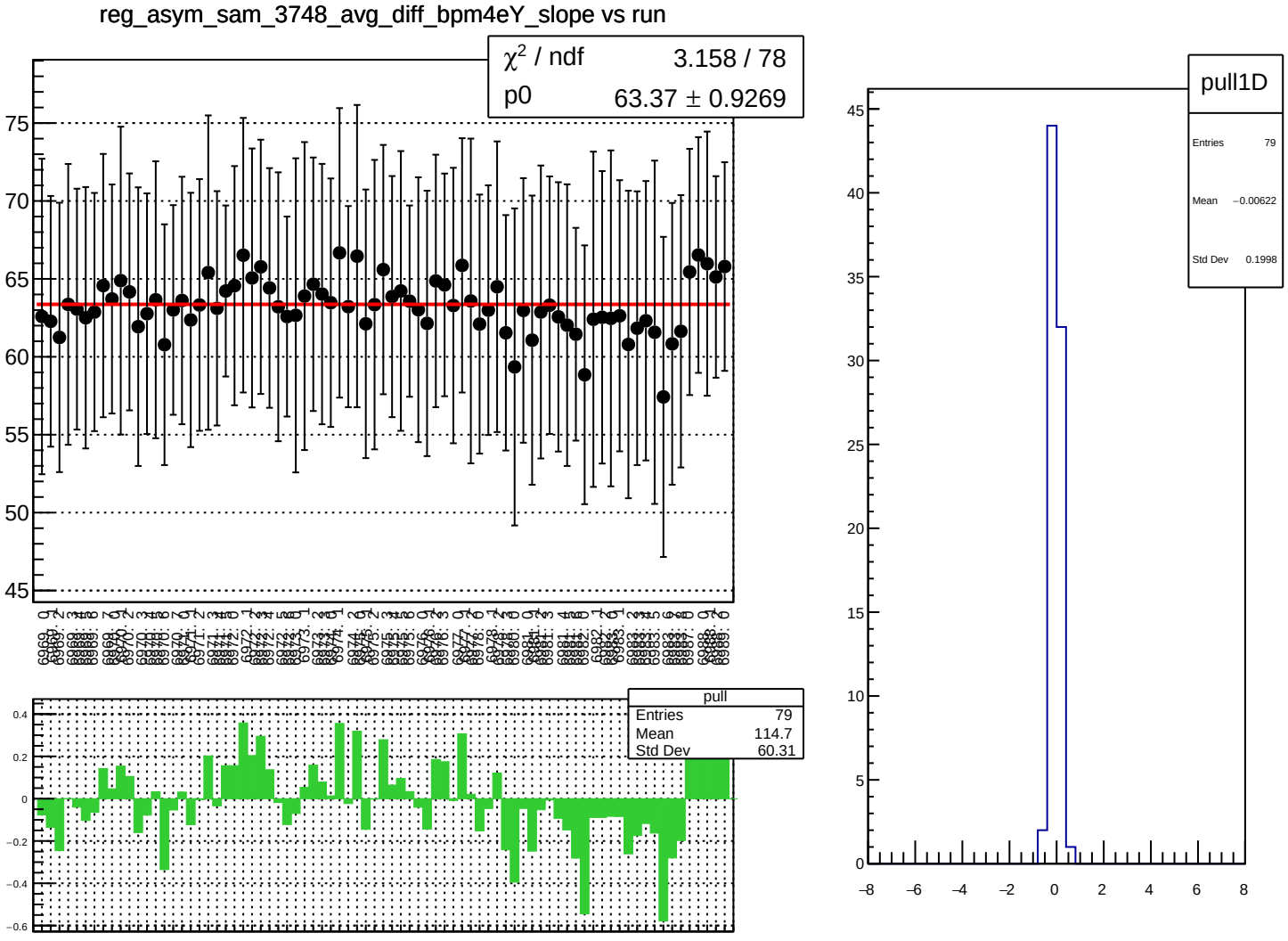

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 9.597 / 78
p0 −12.07 ± 1.137
pull
Entries 79
Mean 153
Std Dev 98.33

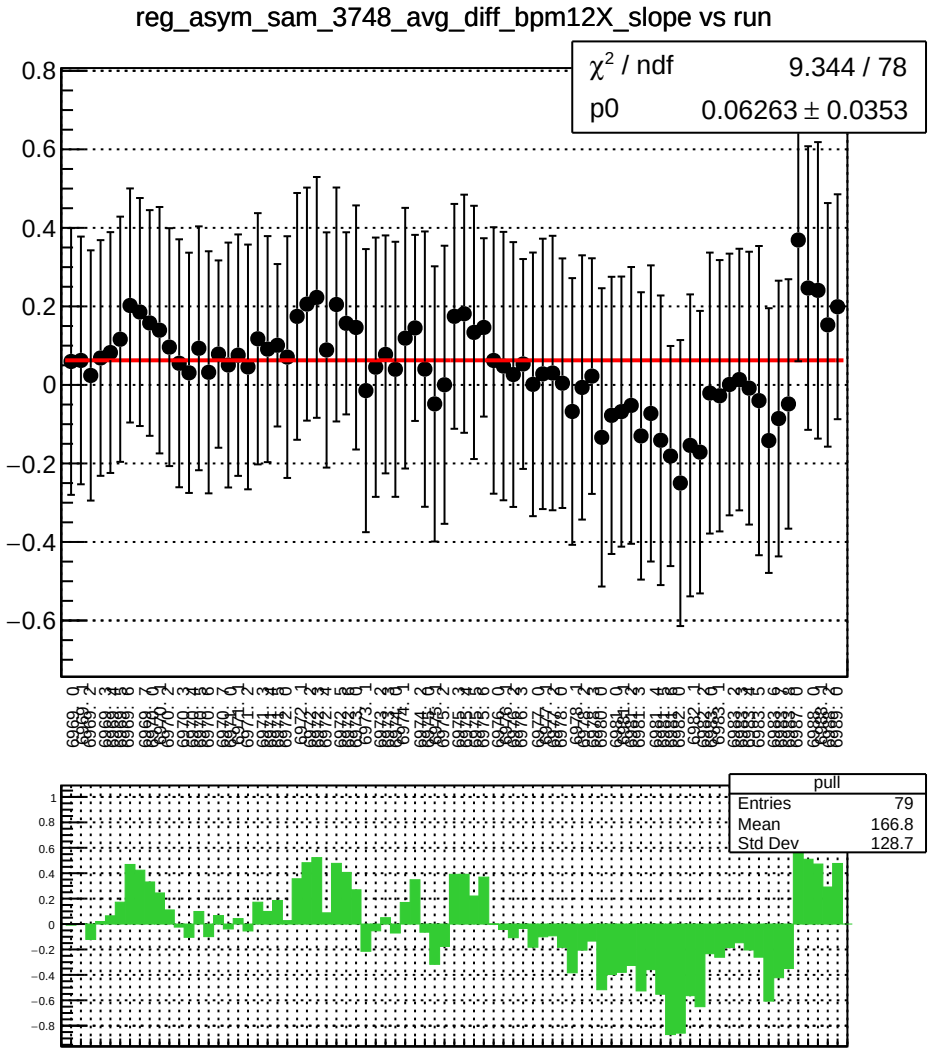

pull1D
Entries 79
Mean −0.0167
Std Dev 0.3481

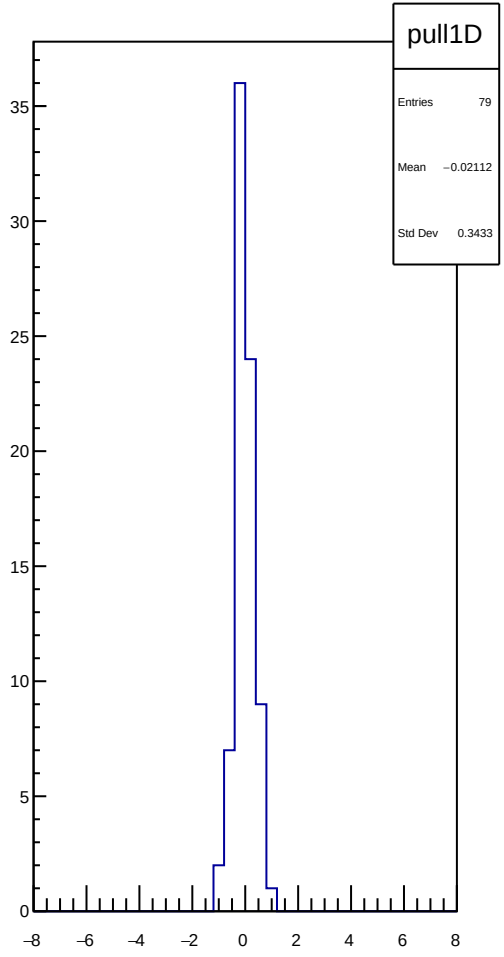

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.291 / 78
p0 −3.107 ± 0.8085
pull
Entries 79
Mean 12.73
Std Dev 11.74

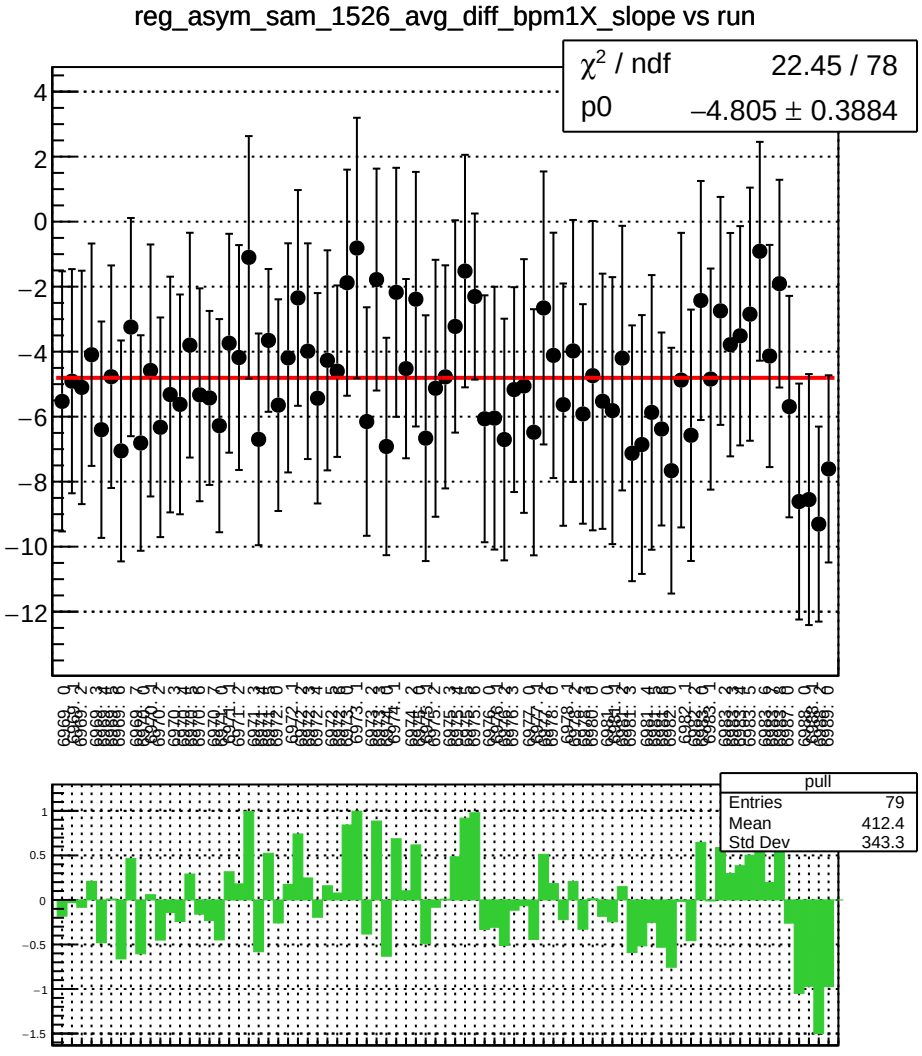

pull1D
Entries 79
Mean 0.009035
Std Dev 0.17

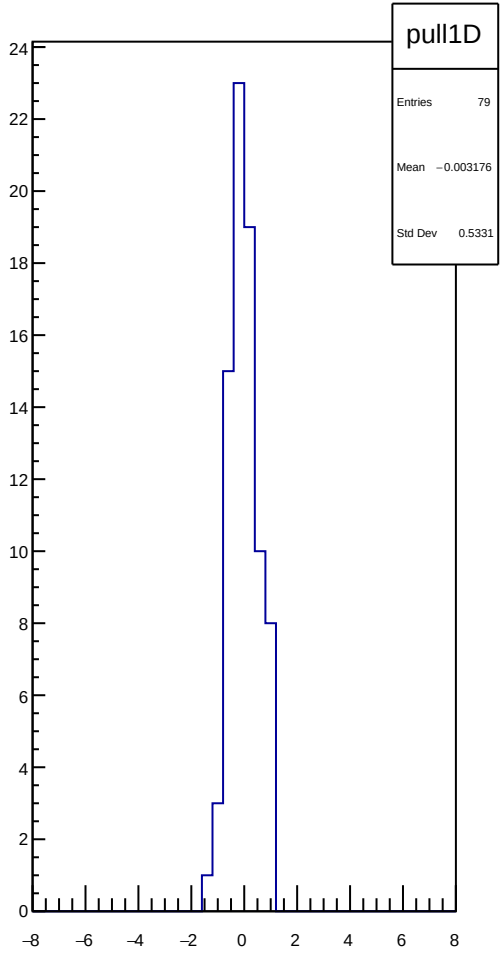

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 11.79 / 78
p0 −79.55 ± 1.046
pull
Entries 79
Mean 181.6
Std Dev 128.5
pull1D
Entries 79
Mean 0.01349
Std Dev 0.3861

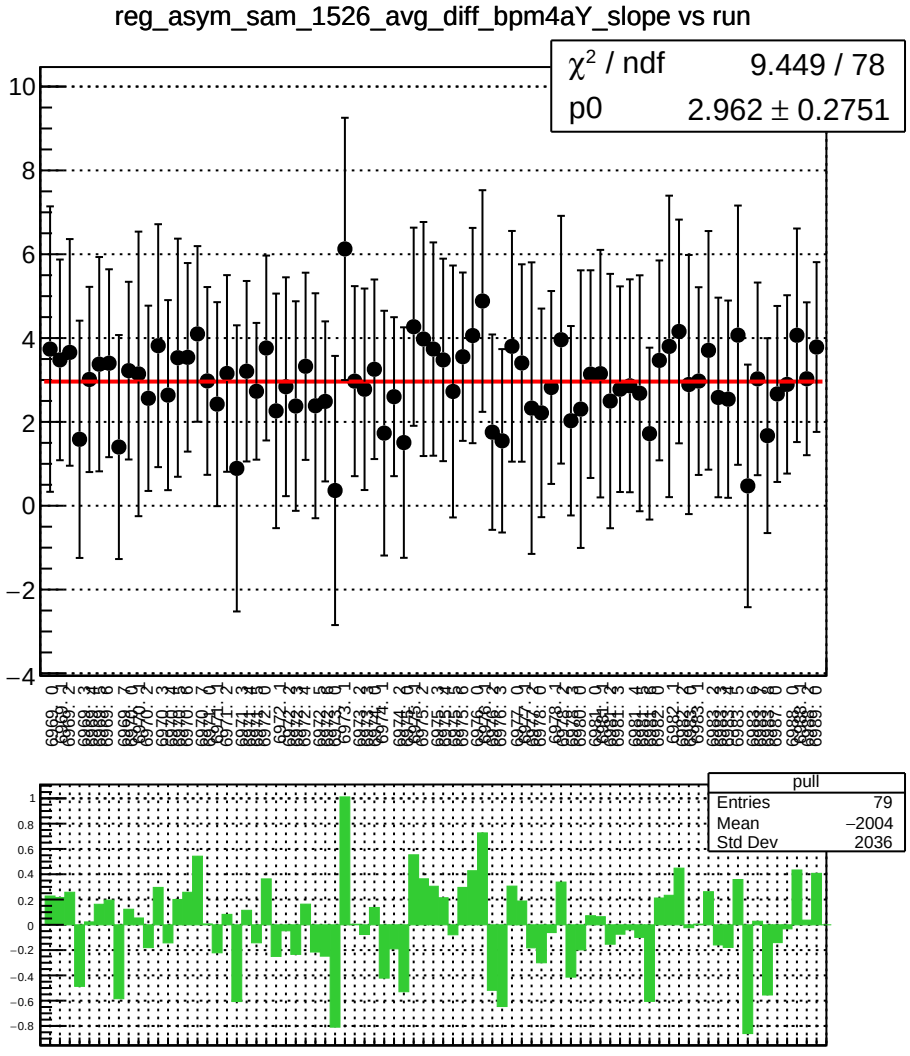

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.158 / 78
p0 63.37 ± 0.9269
pull
Entries 79
Mean 114.7
Std Dev 60.31
pull1D
Entries 79
Mean −0.00622
Std Dev 0.1998

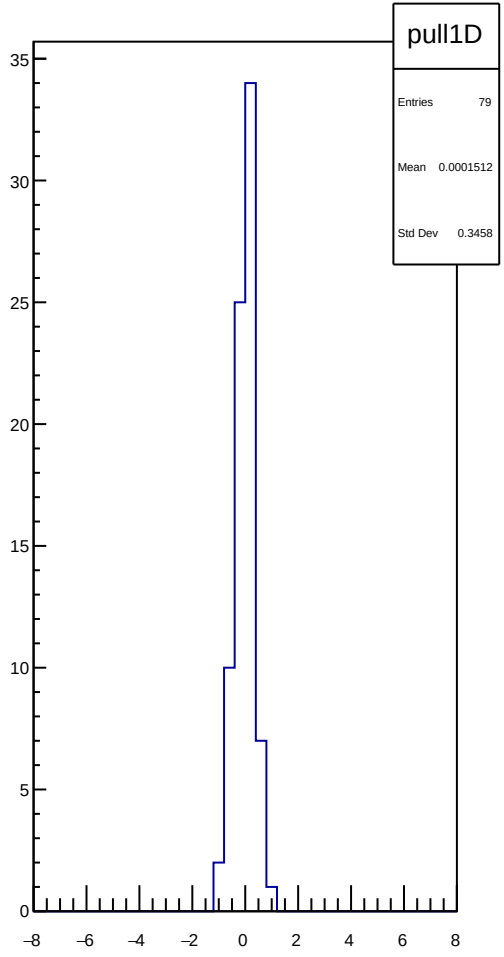

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ^2 / ndf 9.344 / 78
p0 0.06263 ± 0.0353
pull
Entries 79
Mean 166.8
Std Dev 128.7

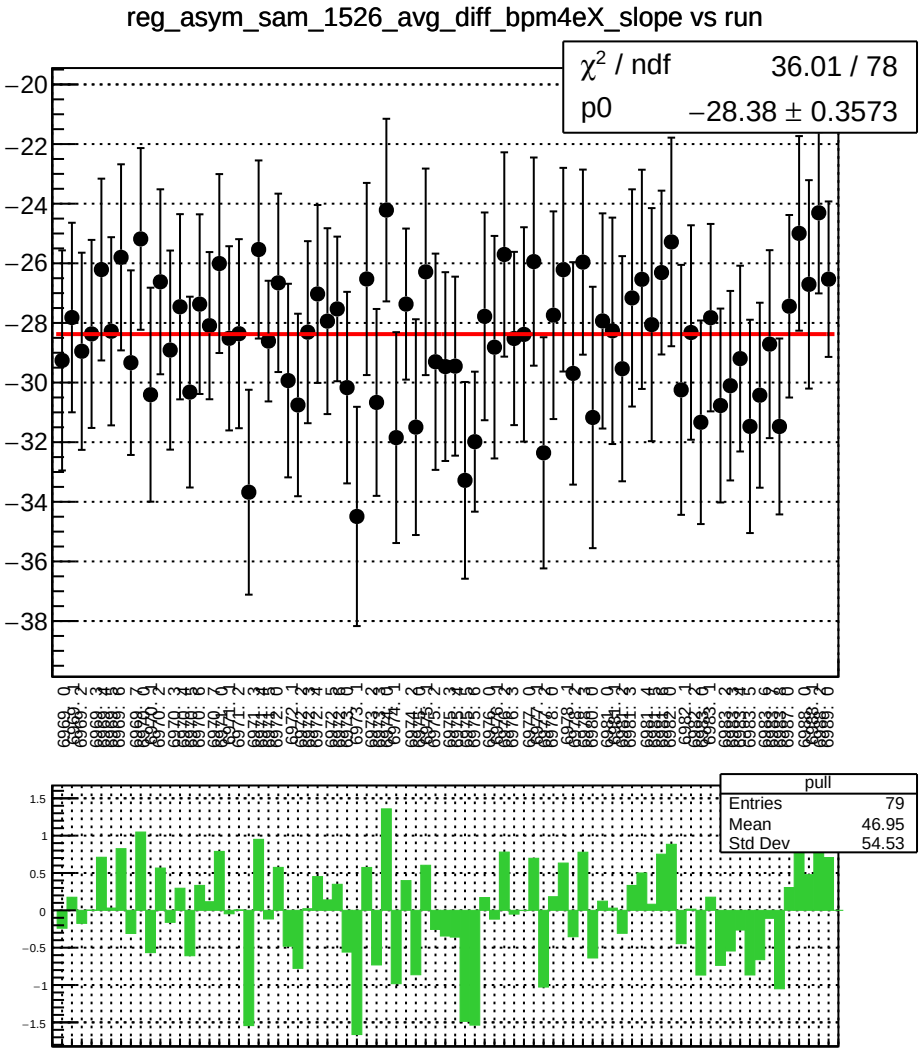

pull1D
Entries 79
Mean −0.02112
Std Dev 0.3433

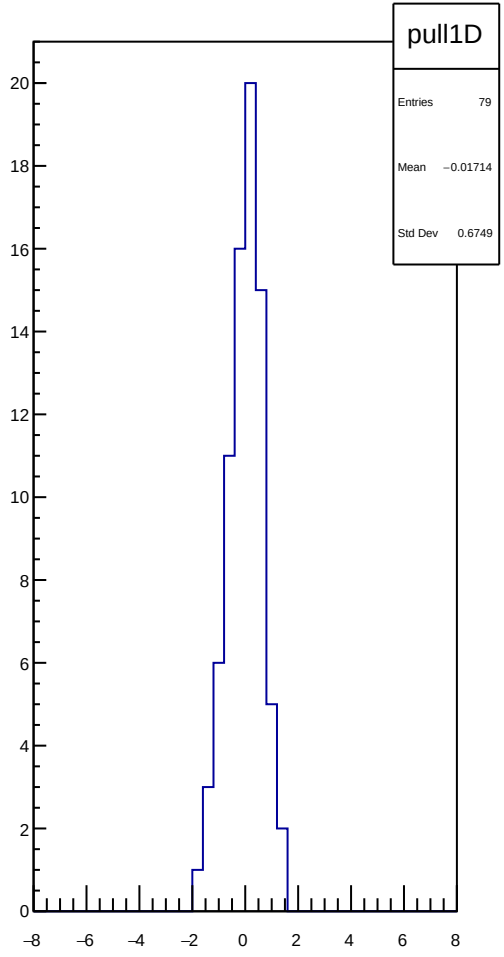

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 22.45 / 78
p0 −4.805 ± 0.3884
pull
Entries 79
Mean 412.4
Std Dev 343.3

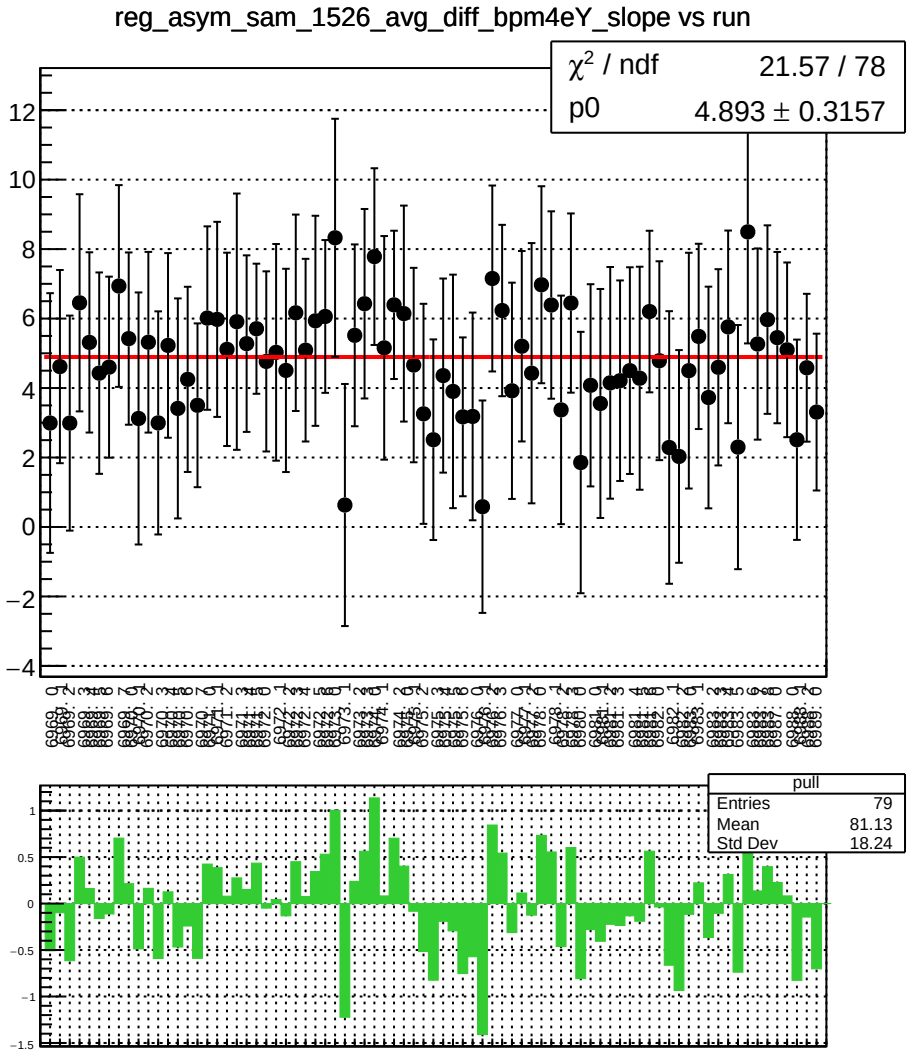

pull1D
Entries 79
Mean −0.003176
Std Dev 0.5331

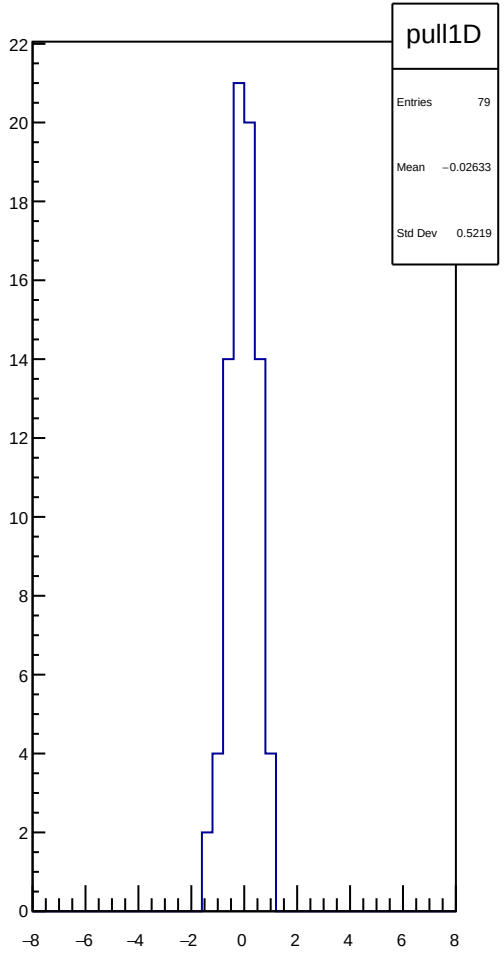

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.449 / 78
p0 2.962 ± 0.2751
pull
Entries 79
Mean −2004
Std Dev 2036

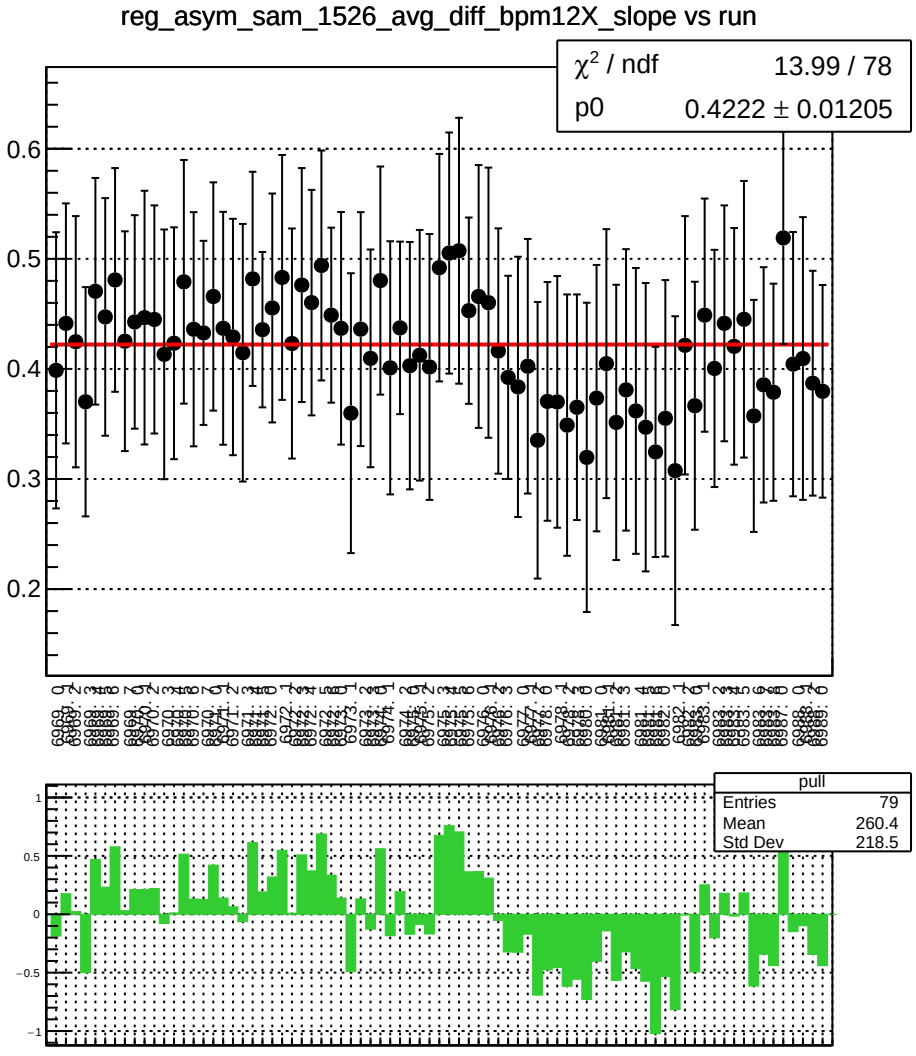

pull1D
Entries 79
Mean 0.0001512
Std Dev 0.3458

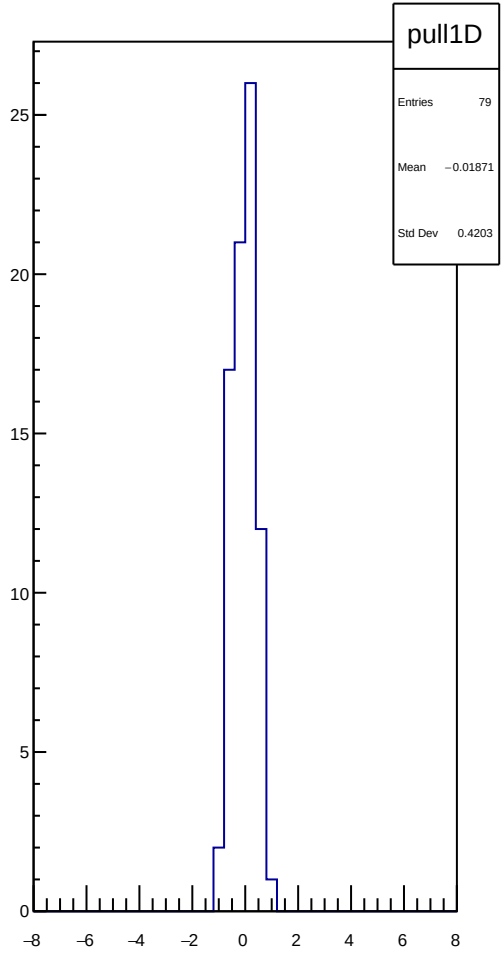

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 36.01 / 78
p0 −28.38 ± 0.3573
pull
Entries 79
Mean 46.95
Std Dev 54.53

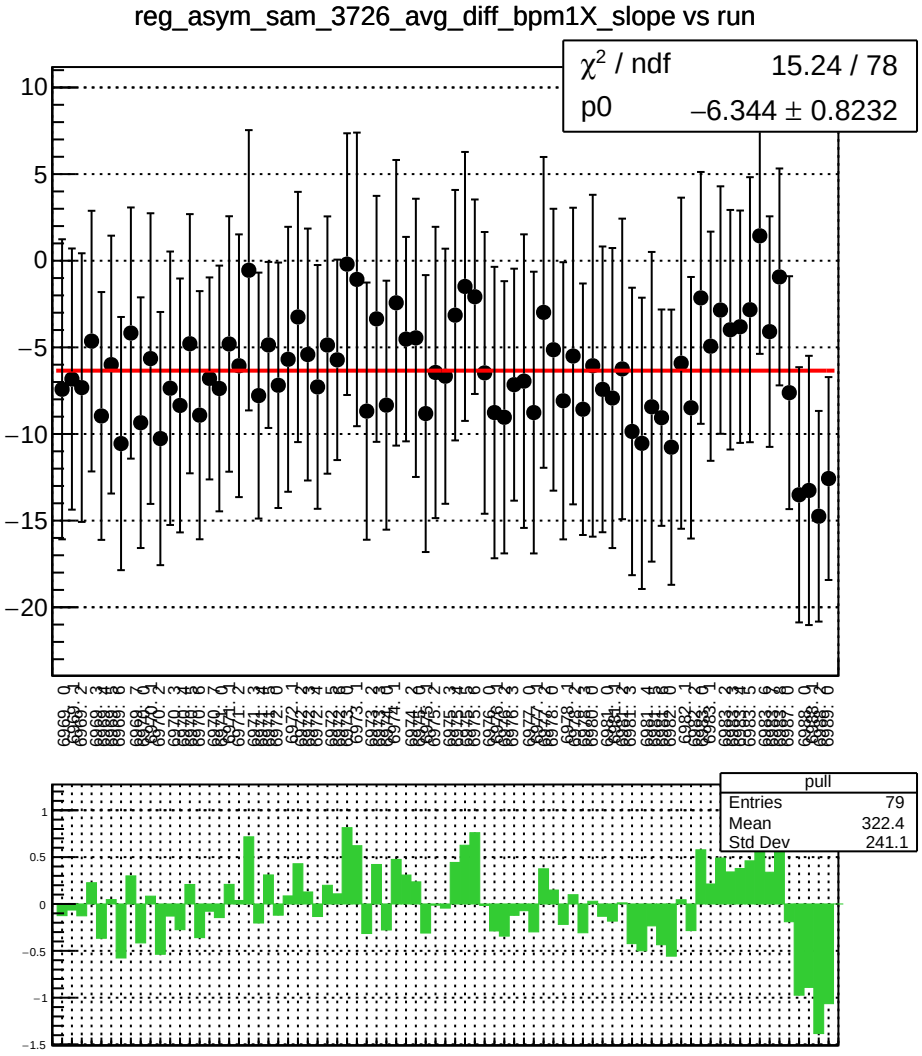

pull1D
Entries 79
Mean −0.01714
Std Dev 0.6749

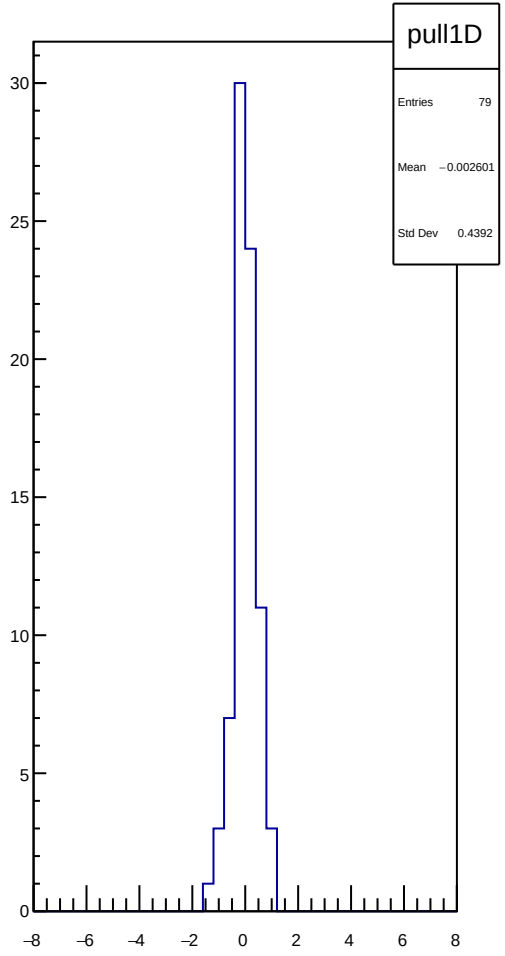

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 21.57 / 78
p0 4.893 ± 0.3157
pull
Entries 79
Mean 81.13
Std Dev 18.24

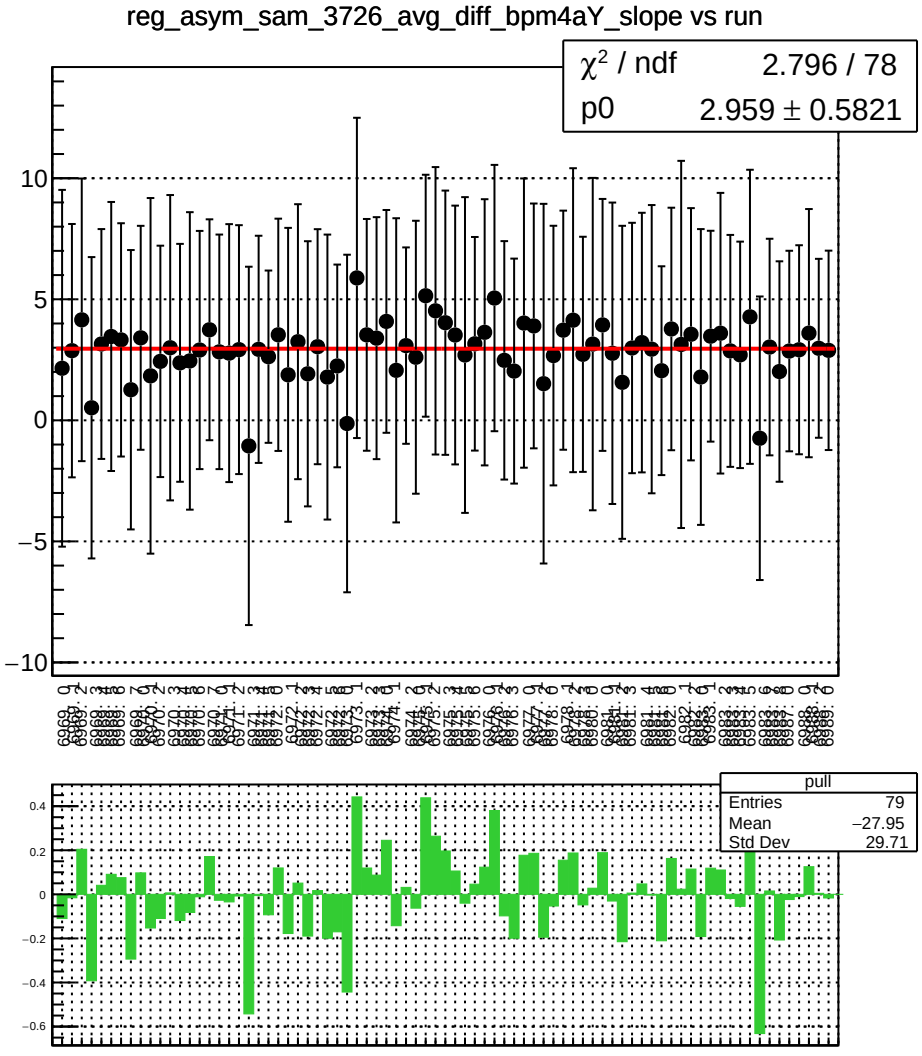

pull1D
Entries 79
Mean −0.02633
Std Dev 0.5219

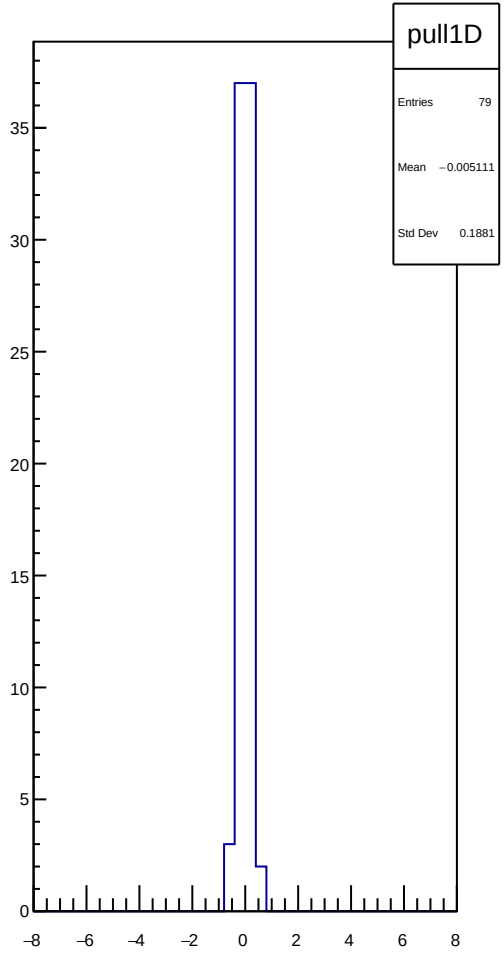

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 13.99 / 78
p0 0.4222 ± 0.01205
pull
Entries 79
Mean 260.4
Std Dev 218.5

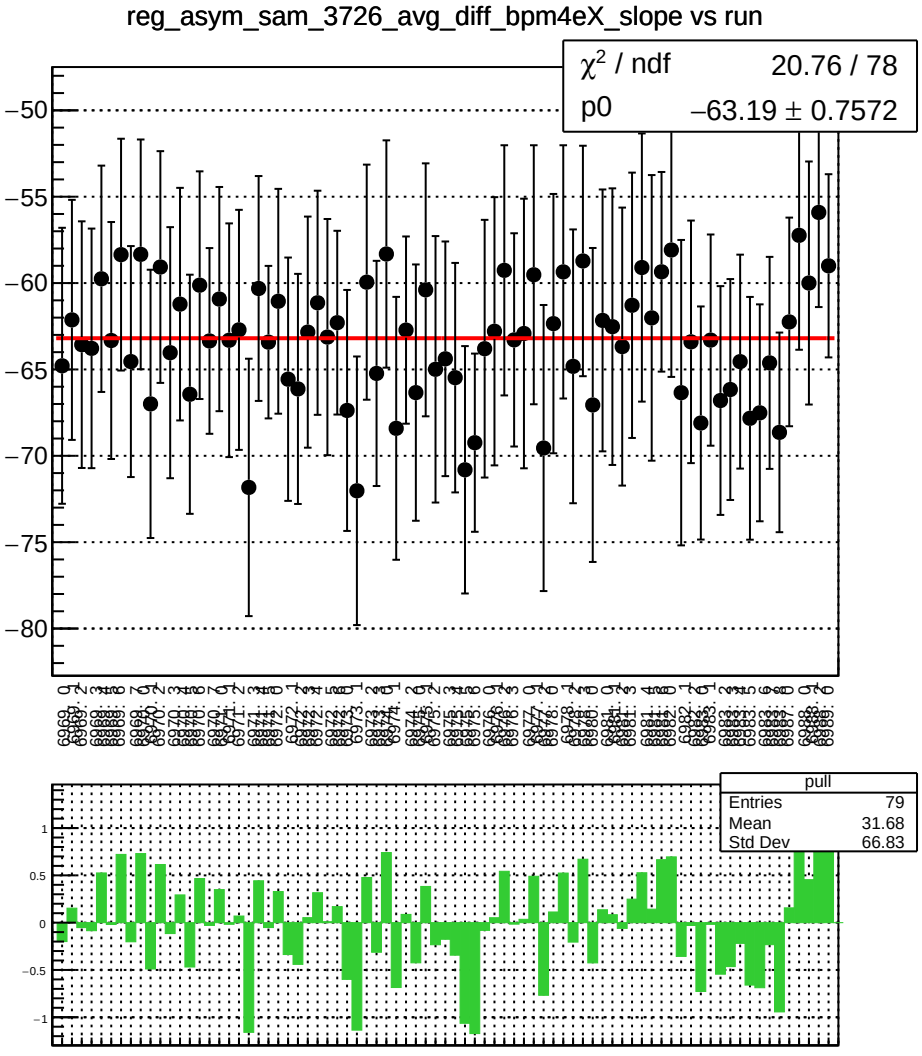

pull1D
Entries 79
Mean −0.01871
Std Dev 0.4203

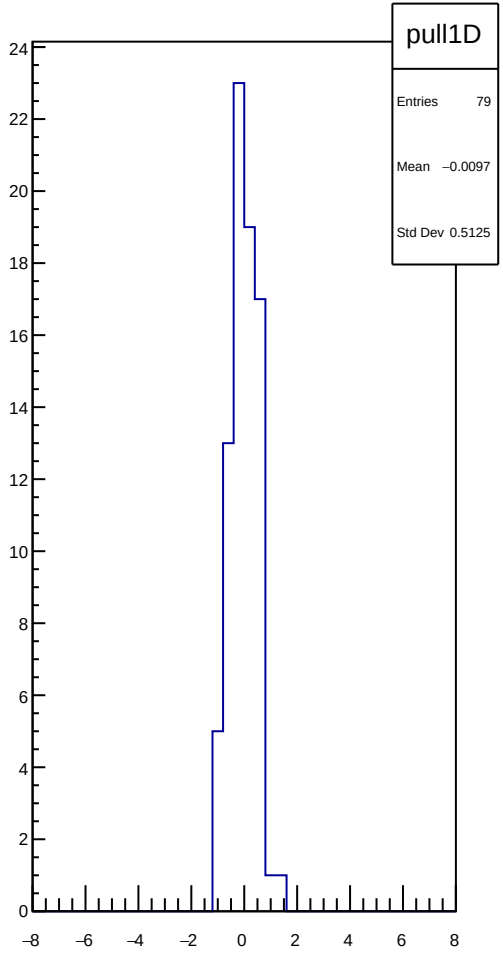

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 15.24 / 78
p0 −6.344 ± 0.8232
pull
Entries 79
Mean 322.4
Std Dev 241.1

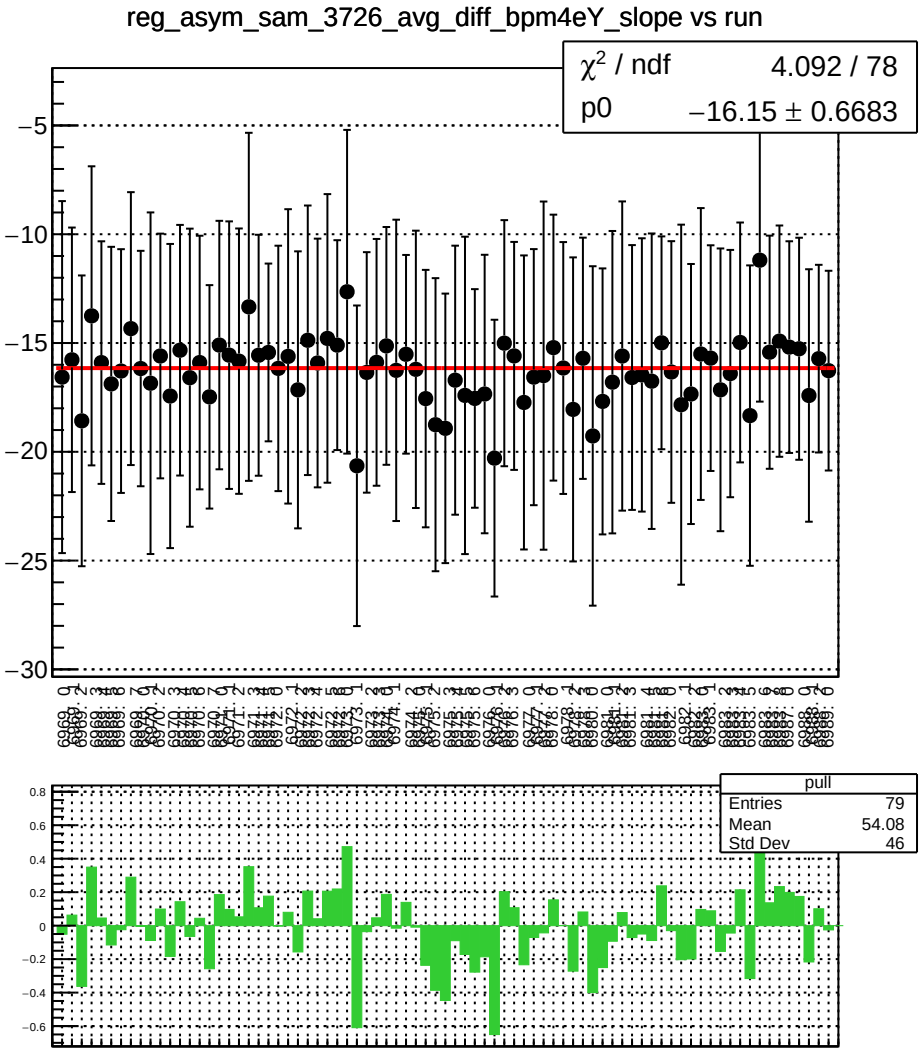

pull1D
Entries 79
Mean −0.002601
Std Dev 0.4392

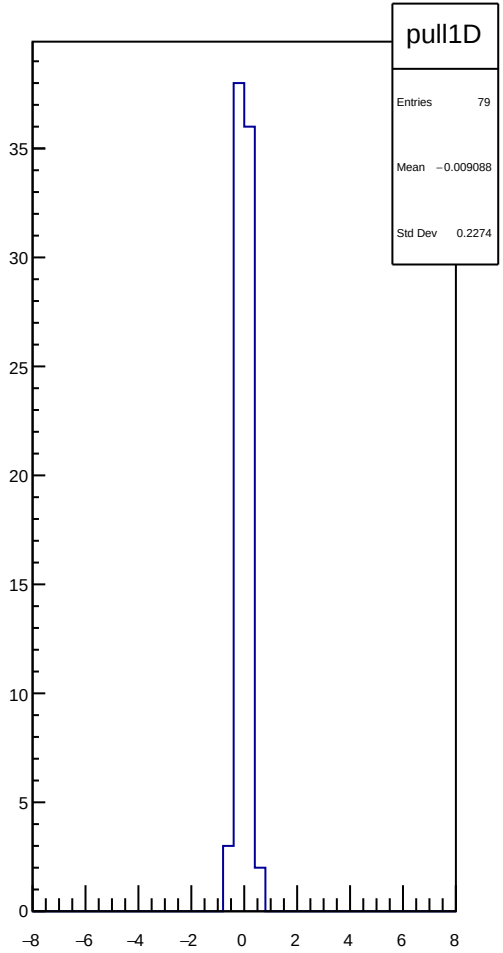

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 2.796 / 78
p0 2.959 ± 0.5821
pull
Entries 79
Mean −27.95
Std Dev 29.71

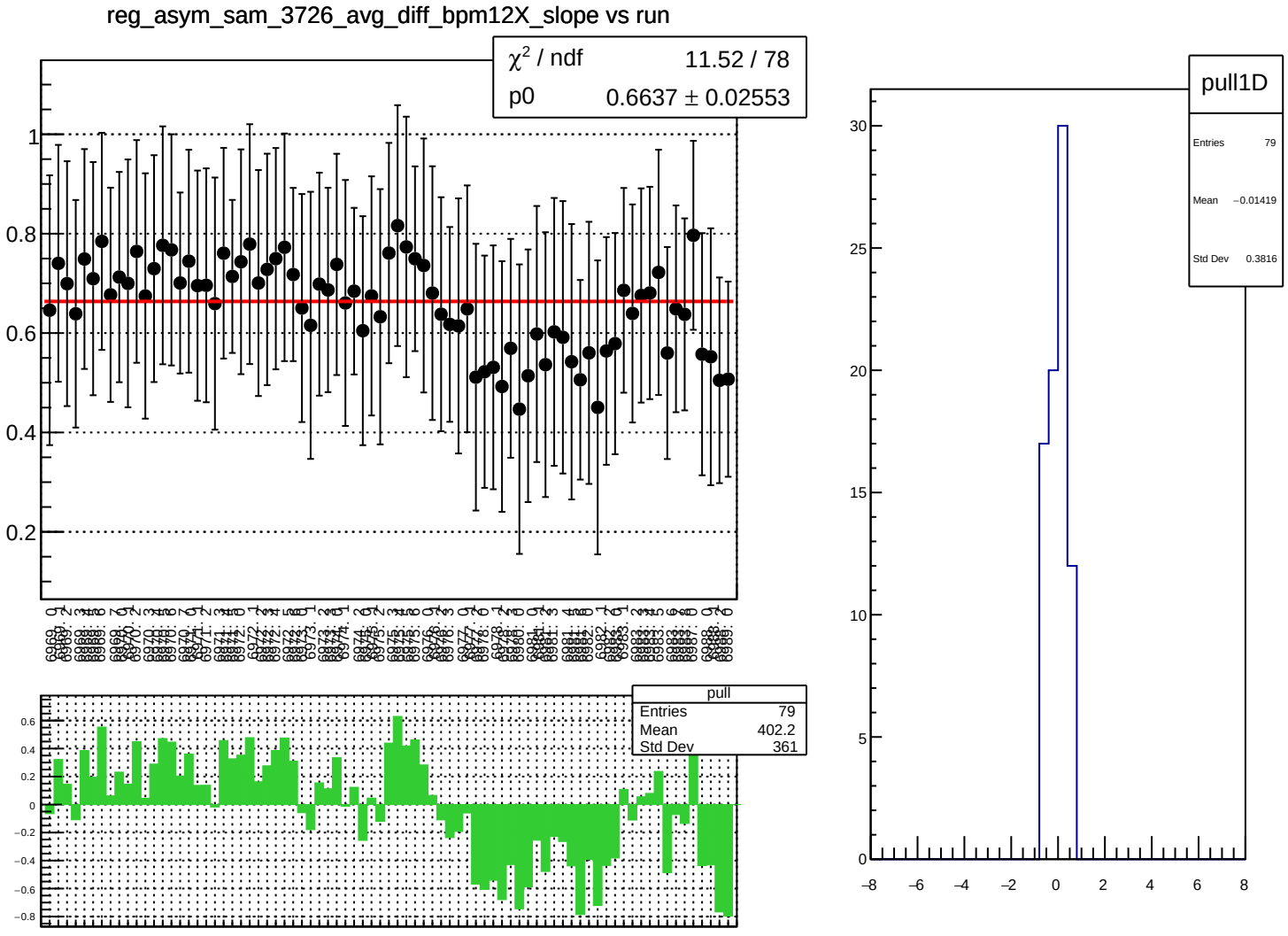

pull1D
Entries 79
Mean −0.005111
Std Dev 0.1881

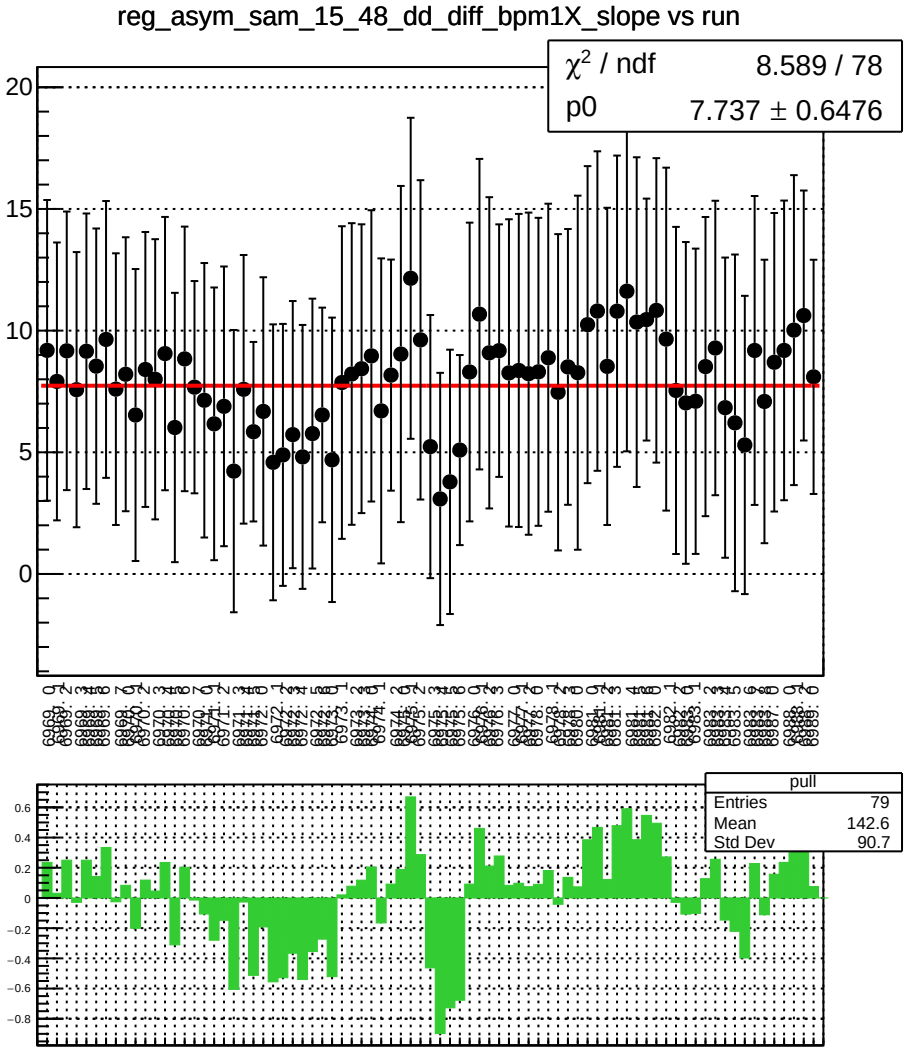

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 20.76 / 78
p0 −63.19 ± 0.7572
pull
Entries 79
Mean 31.68
Std Dev 66.83

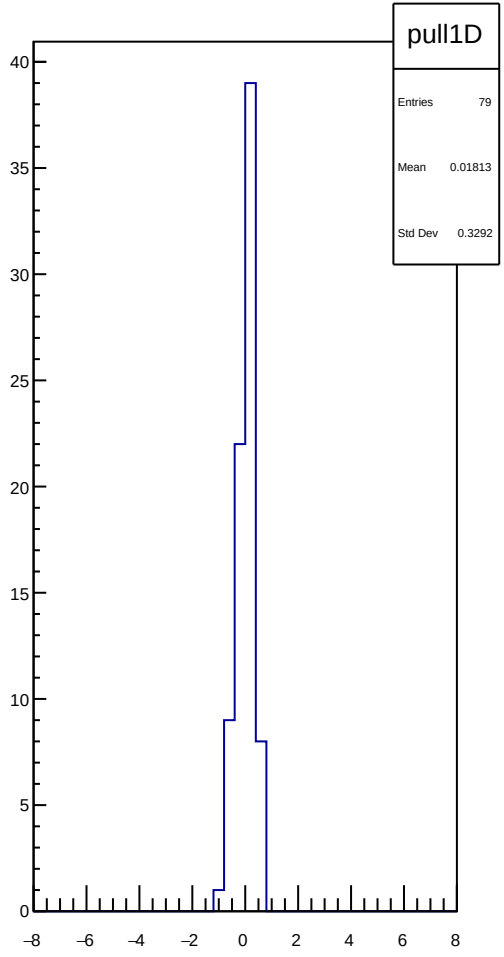

pull1D
Entries 79
Mean −0.0097
Std Dev 0.5125

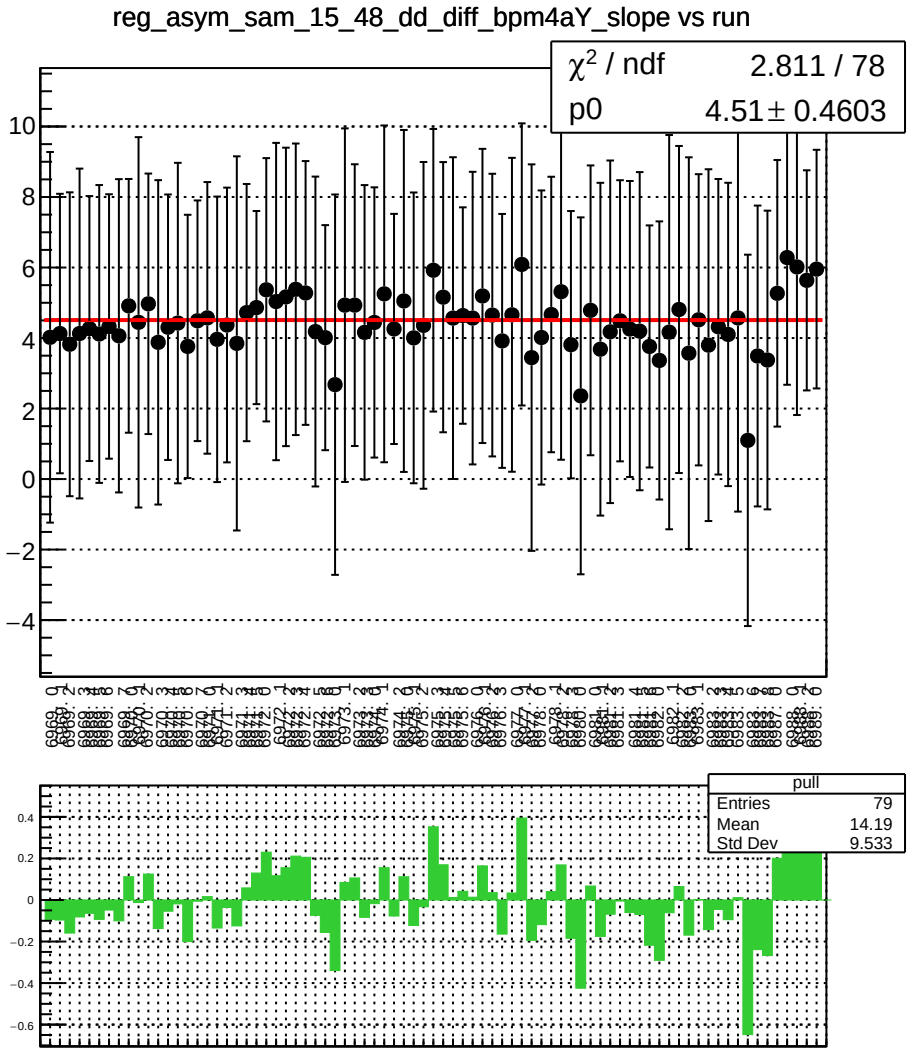

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 4.092 / 78
p0 −16.15 ± 0.6683
pull
Entries 79
Mean 54.08
Std Dev 46

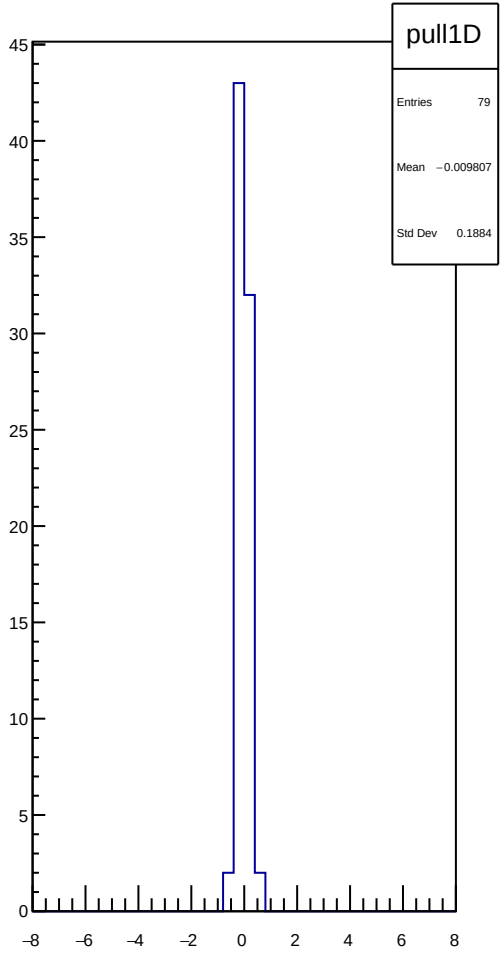

pull1D
Entries 79
Mean −0.009088
Std Dev 0.2274

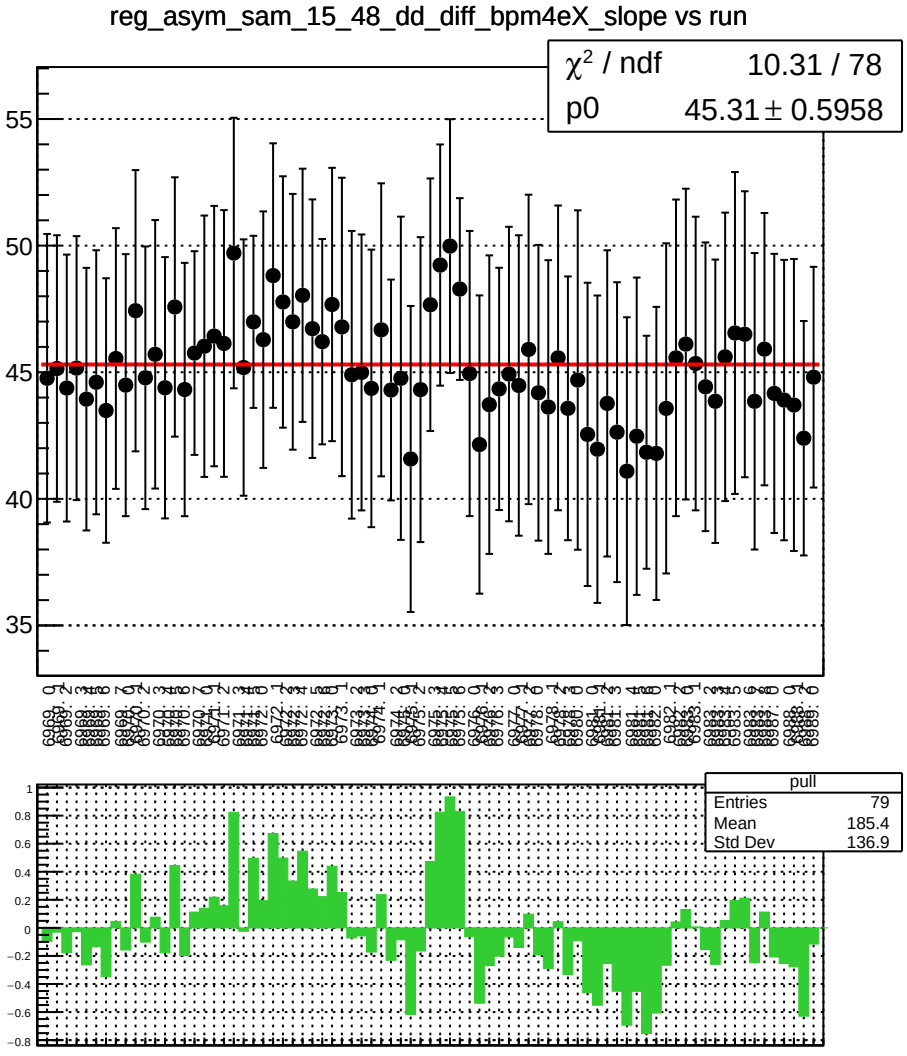

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 11.52 / 78
p0 0.6637 ± 0.02553
pull
Entries 79
Mean 402.2
Std Dev 361
pull1D
Entries 79
Mean −0.01419
Std Dev 0.3816

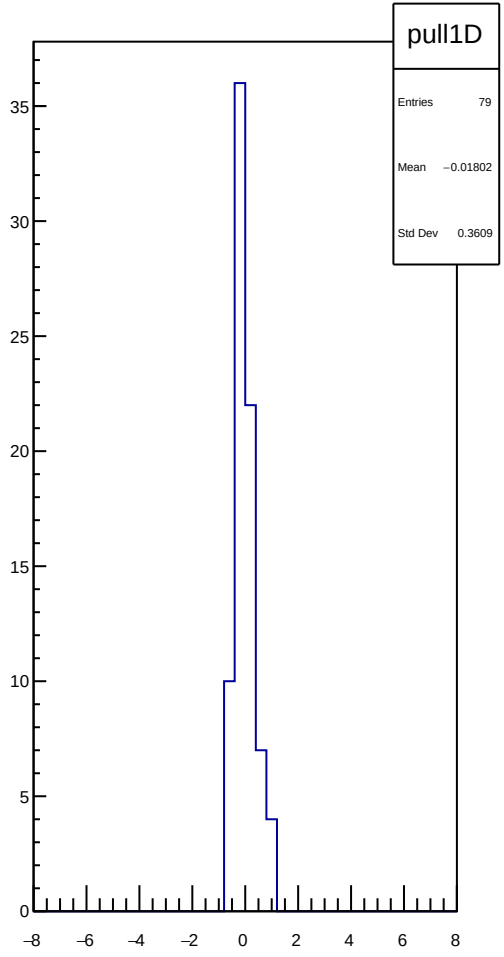

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 8.589 / 78
p0 7.737 ± 0.6476
pull
Entries 79
Mean 142.6
Std Dev 90.7

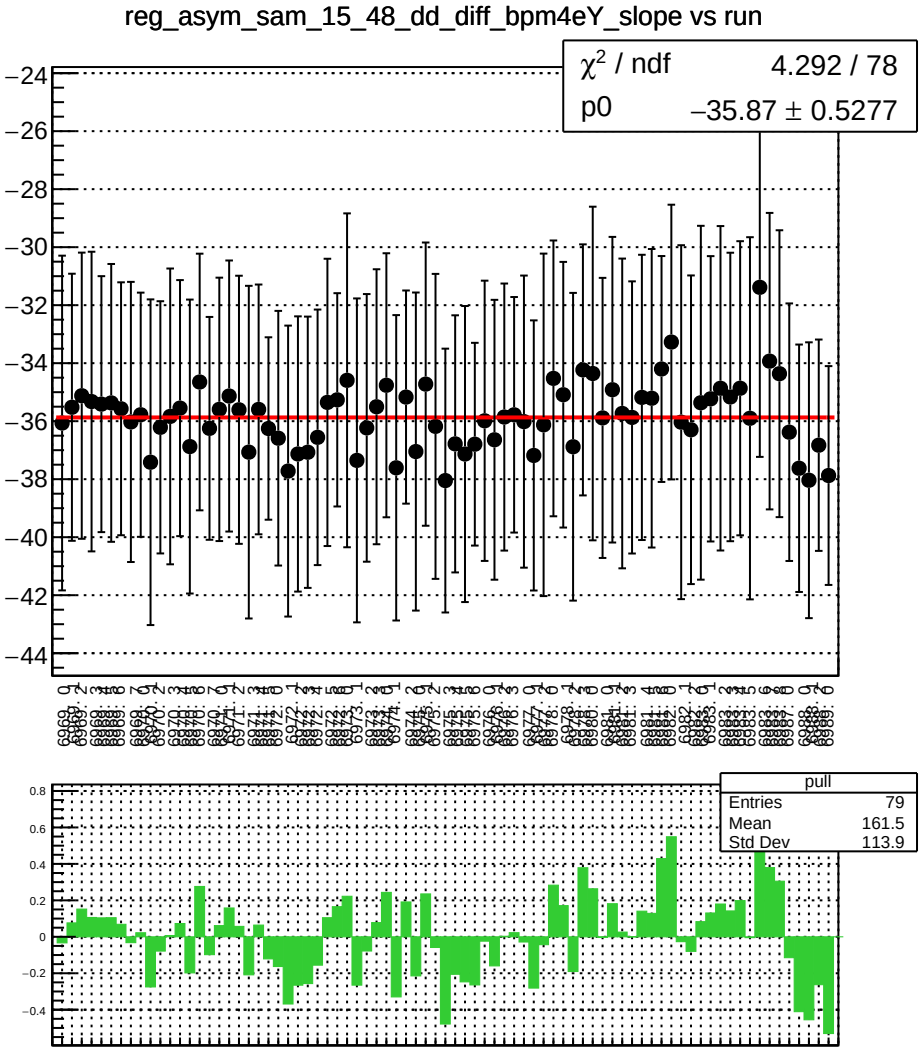

pull1D
Entries 79
Mean 0.01813
Std Dev 0.3292

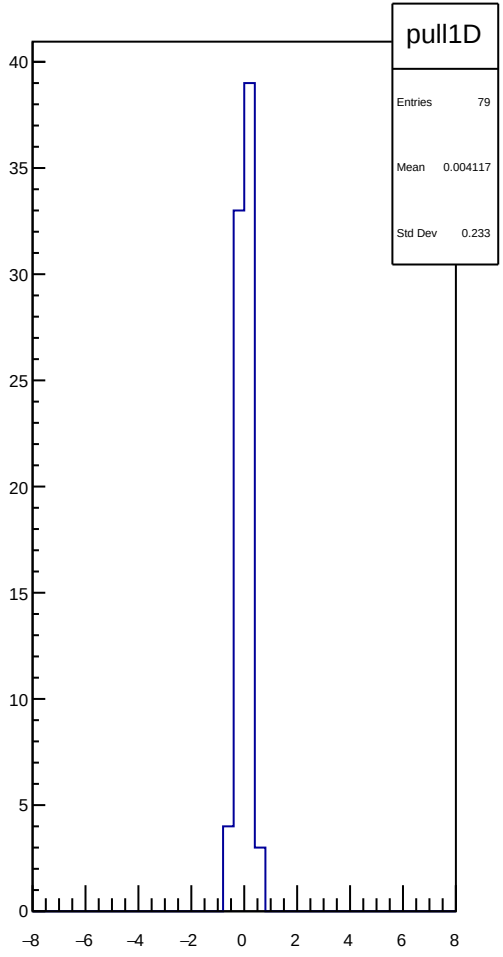

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 2.811 / 78
p0 4.51 ± 0.4603
pull
Entries 79
Mean 14.19
Std Dev 9.533

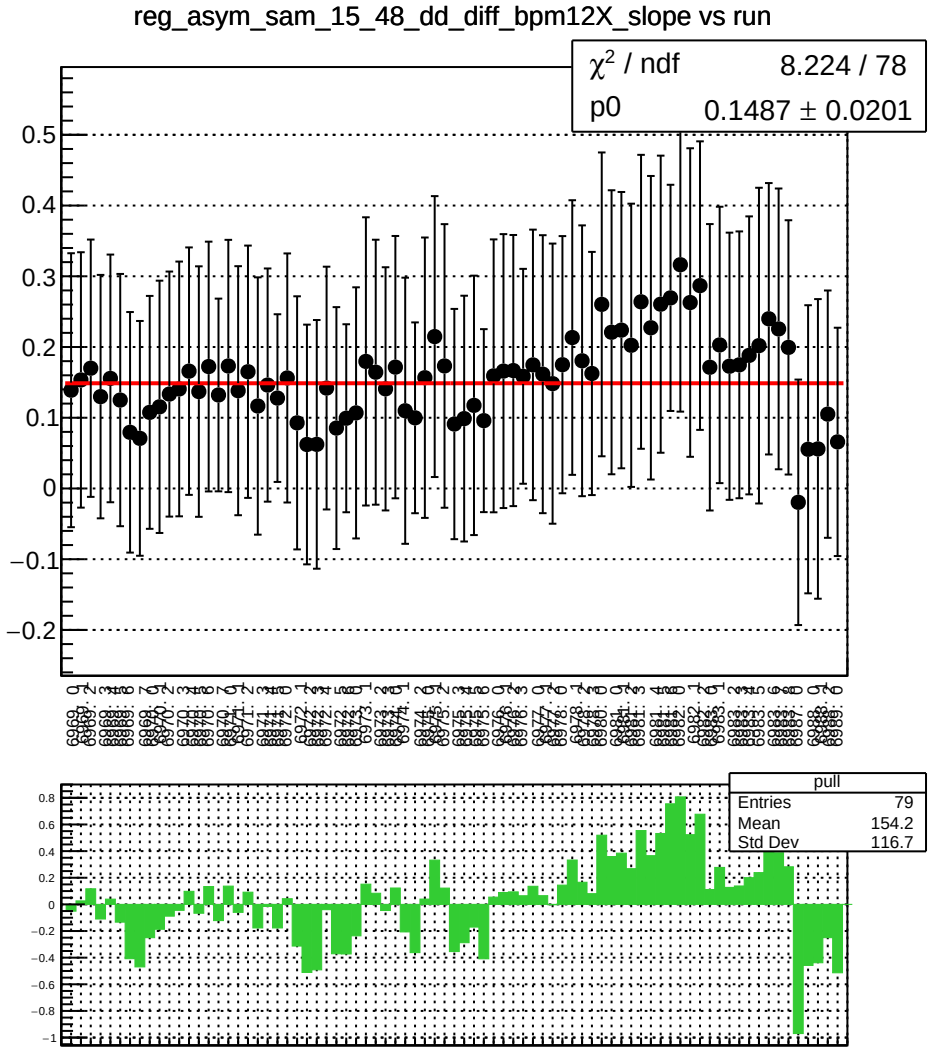

pull1D
Entries 79
Mean −0.009807
Std Dev 0.1884

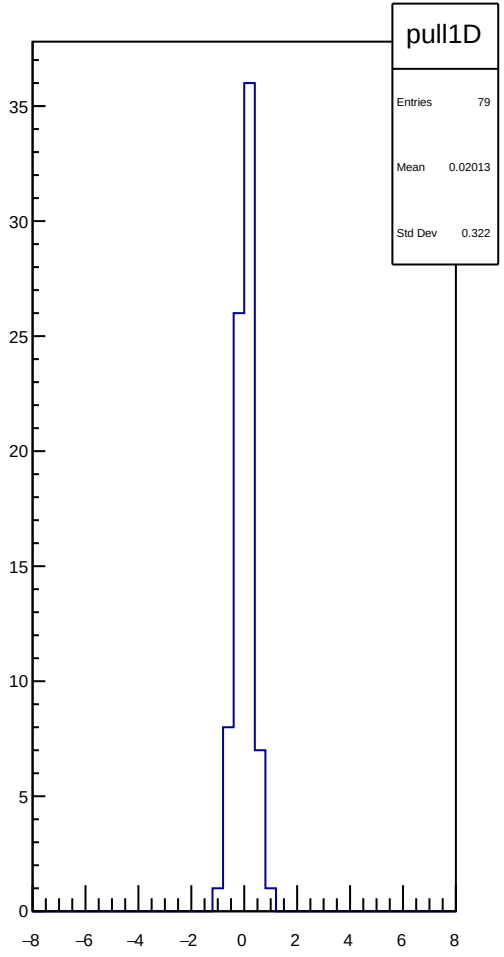

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 10.31 / 78
p0 45.31 ± 0.5958
pull
Entries 79
Mean 185.4
Std Dev 136.9

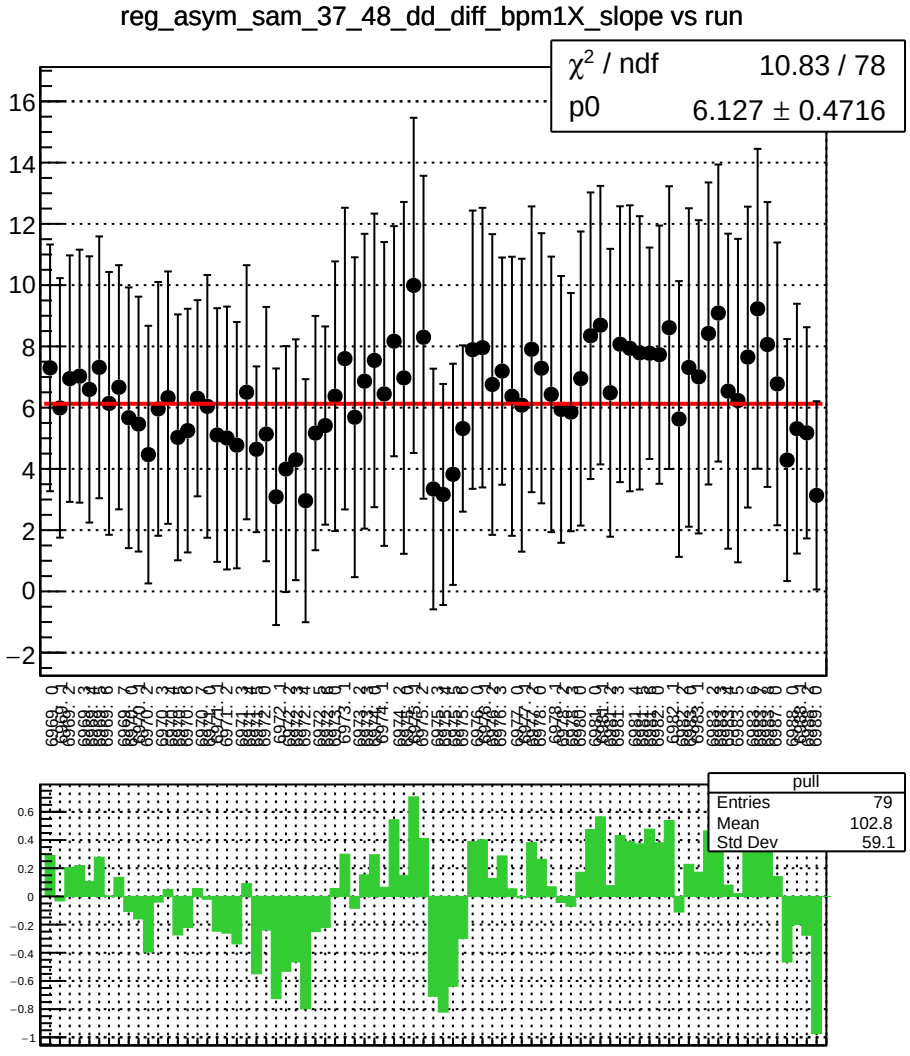

pull1D
Entries 79
Mean −0.01802
Std Dev 0.3609

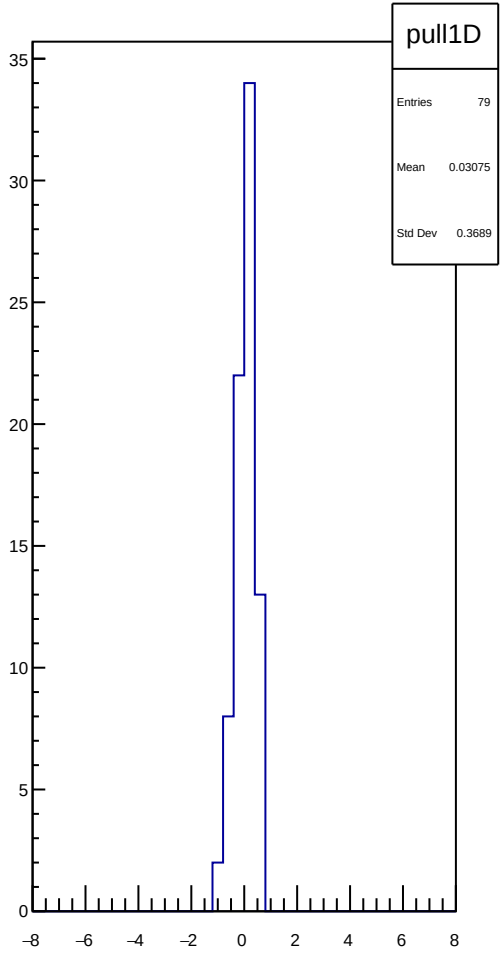

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.292 / 78
p0 −35.87 ± 0.5277
pull
Entries 79
Mean 161.5
Std Dev 113.9

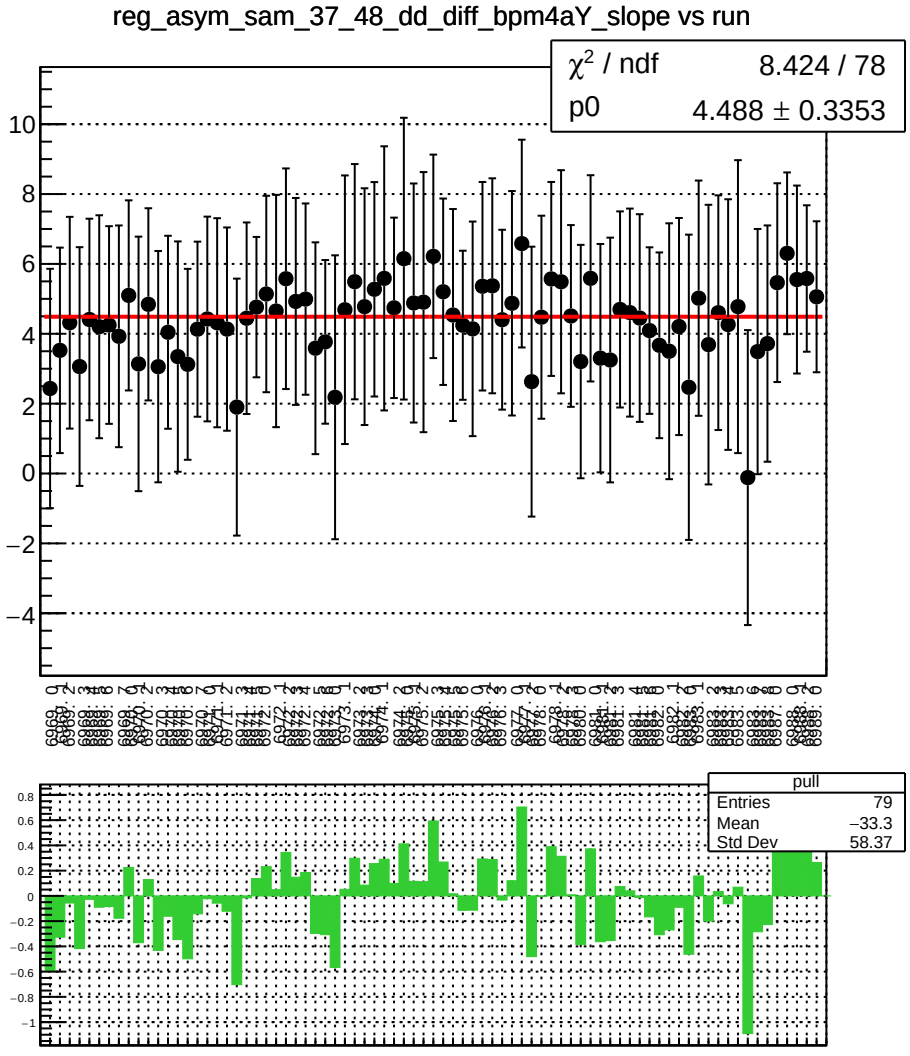

pull1D
Entries 79
Mean 0.004117
Std Dev 0.233

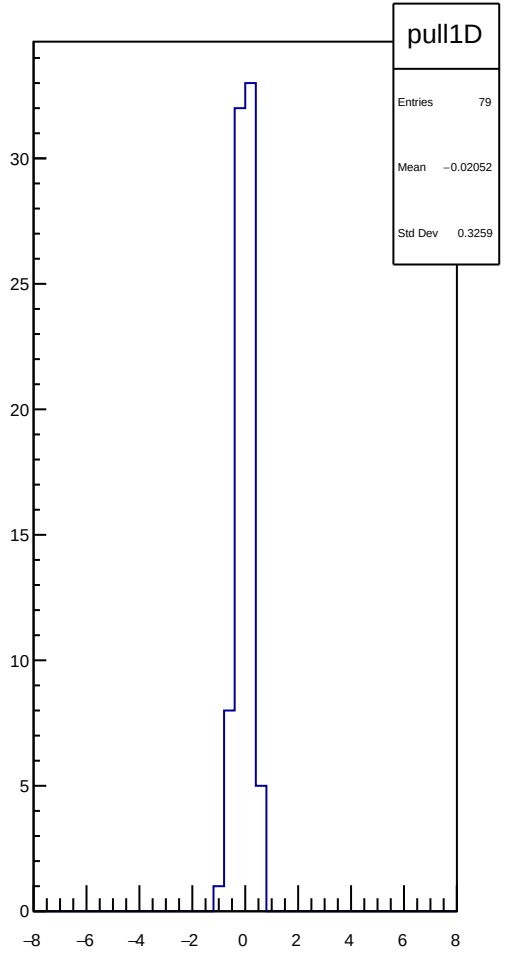

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 8.224 / 78
p0 0.1487 ± 0.0201
pull
Entries 79
Mean 154.2
Std Dev 116.7

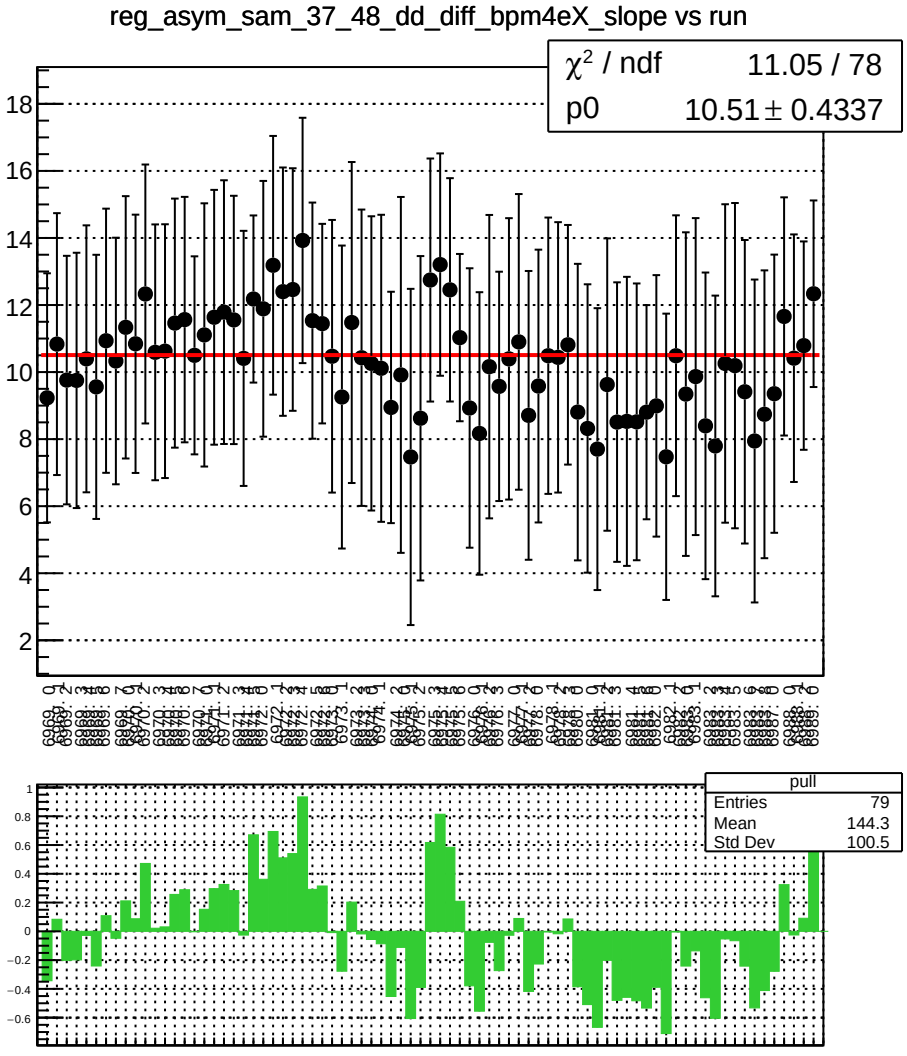

pull1D
Entries 79
Mean 0.02013
Std Dev 0.322

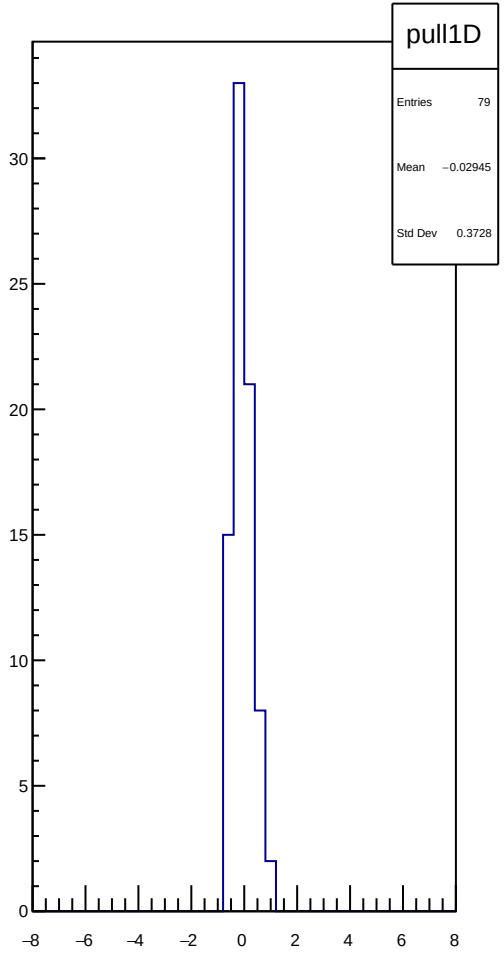

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 10.83 / 78
p0 6.127 ± 0.4716
pull
Entries 79
Mean 102.8
Std Dev 59.1

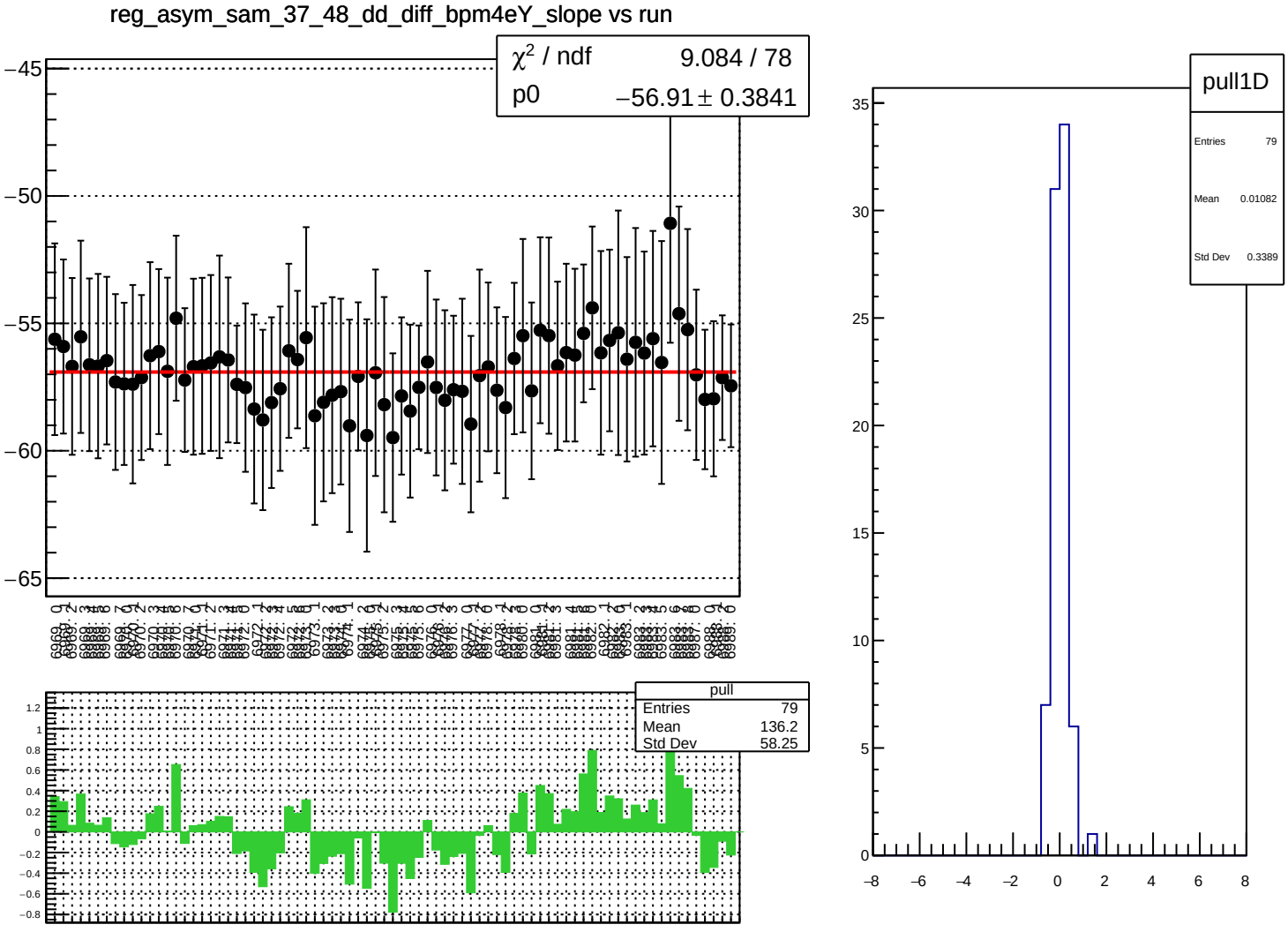

pull1D
Entries 79
Mean 0.03075
Std Dev 0.3689

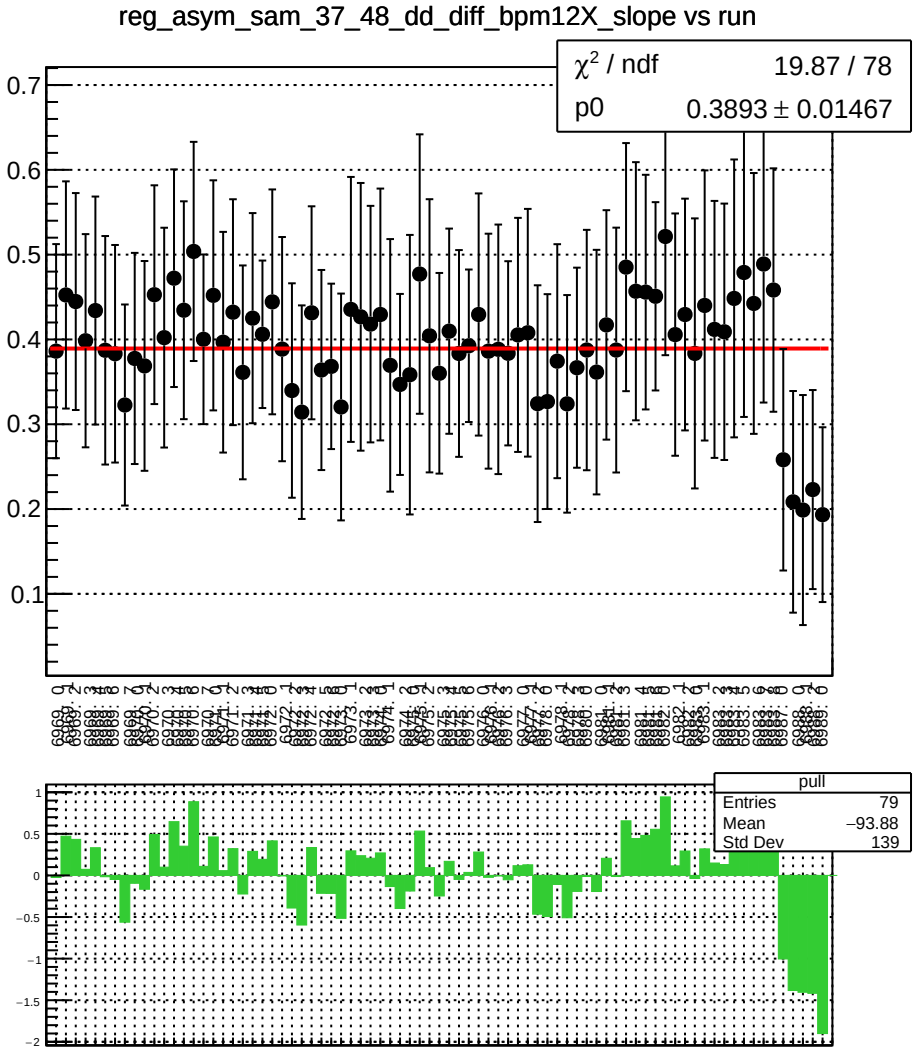

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.424 / 78
p0 4.488 ± 0.3353
pull
Entries 79
Mean −33.3
Std Dev 58.37

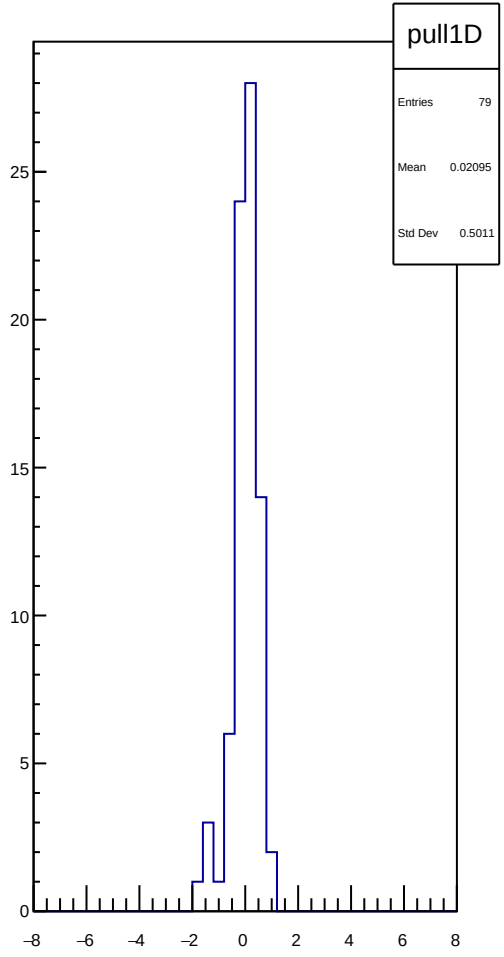

pull1D
Entries 79
Mean −0.02052
Std Dev 0.3259

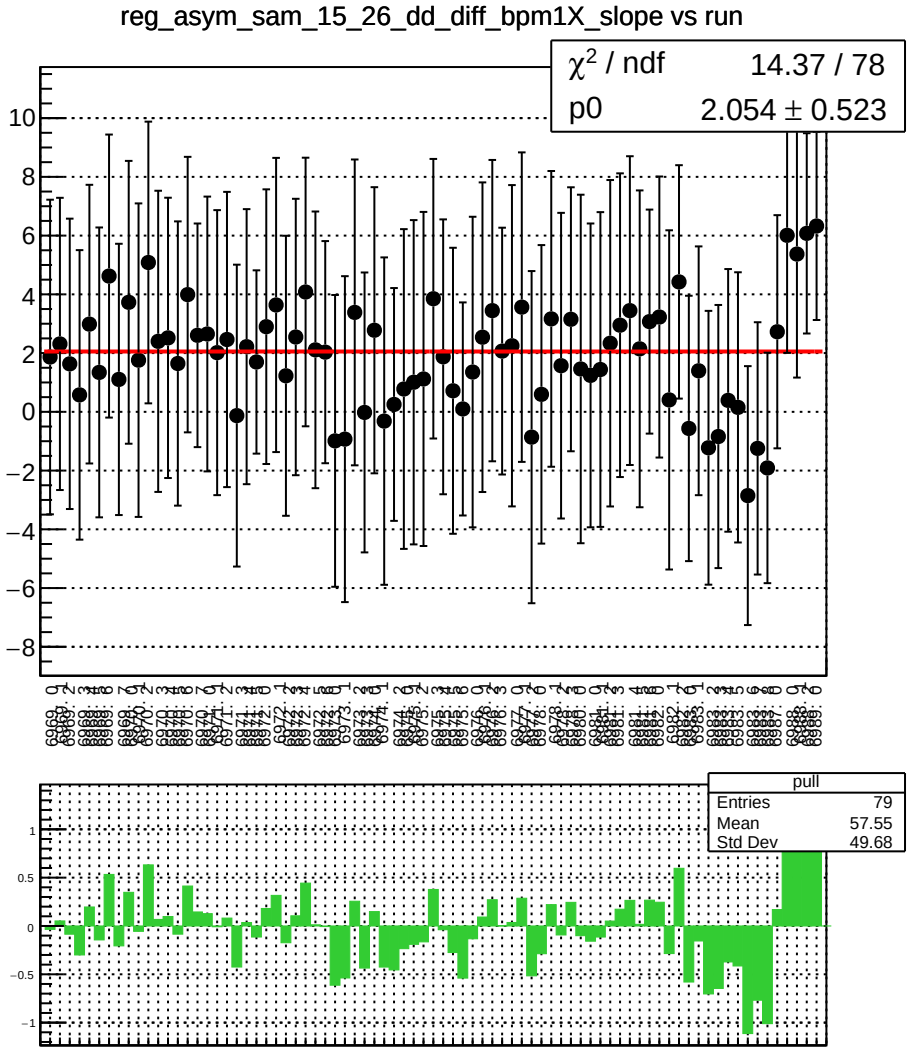

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 11.05 / 78
p0 10.51 ± 0.4337
pull
Entries 79
Mean 144.3
Std Dev 100.5

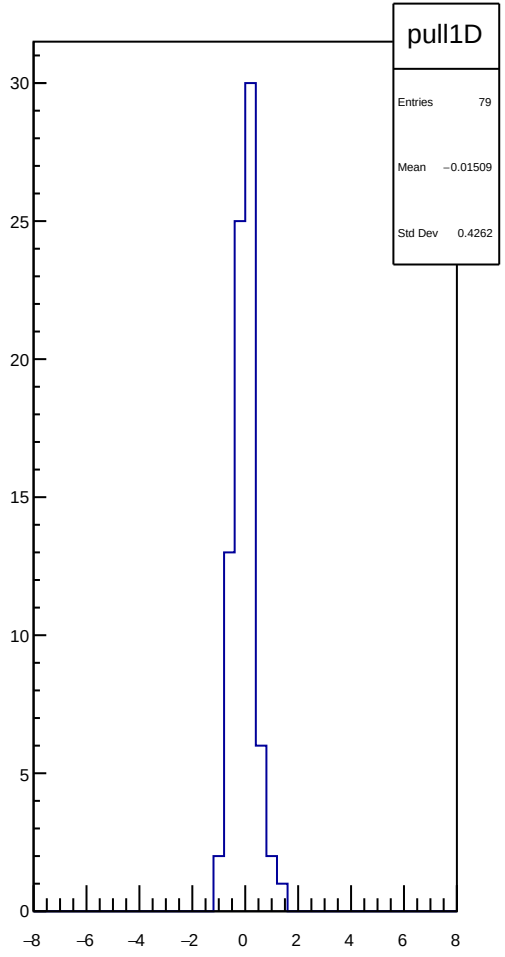

pull1D
Entries 79
Mean −0.02945
Std Dev 0.3728

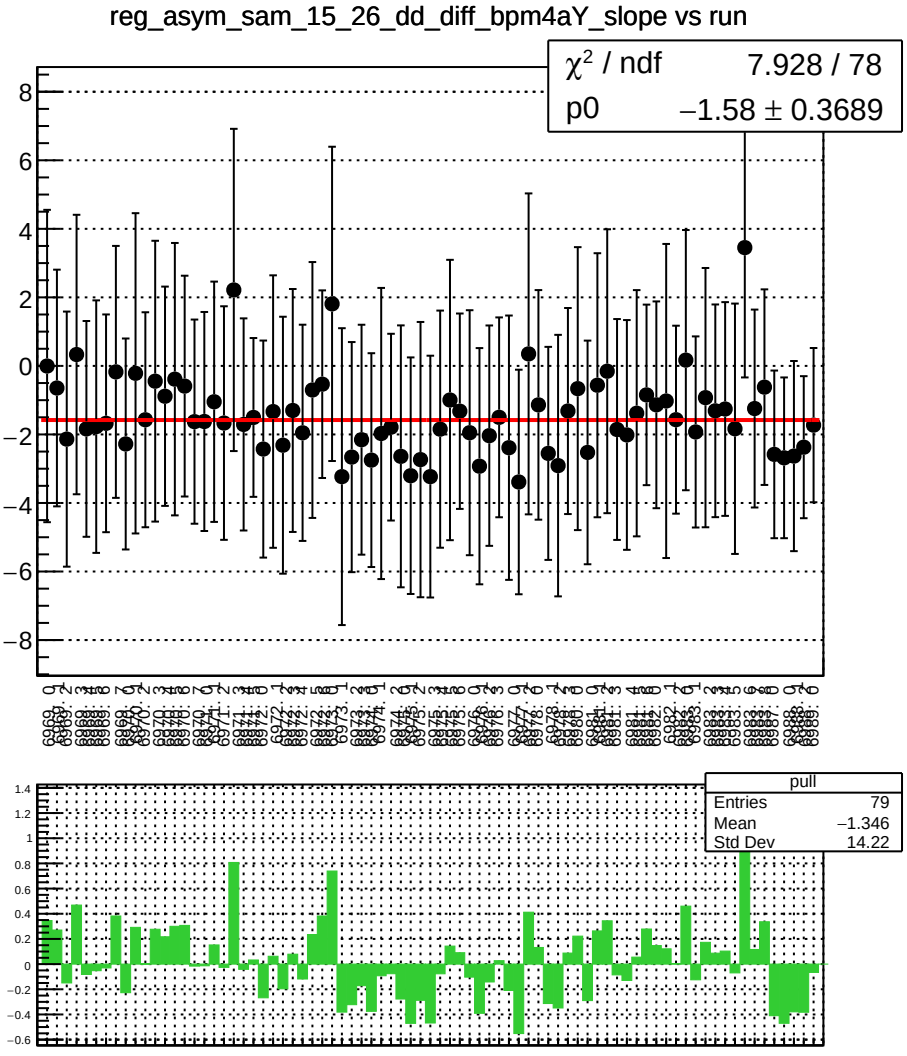

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.084 / 78
p0 −56.91 ± 0.3841
pull
Entries 79
Mean 136.2
Std Dev 58.25
pull1D
Entries 79
Mean 0.01082
Std Dev 0.3389

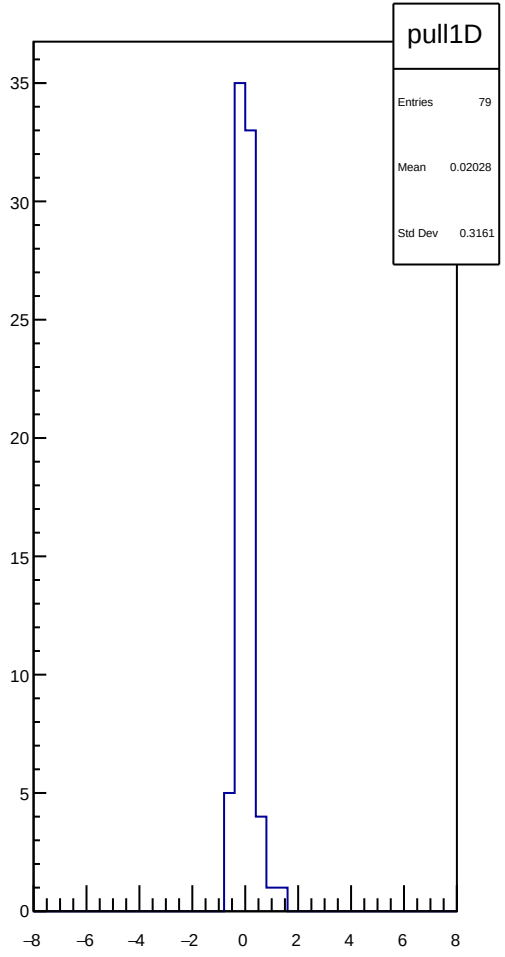

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 19.87 / 78
p0 0.3893 ± 0.01467
pull
Entries 79
Mean −93.88
Std Dev 139

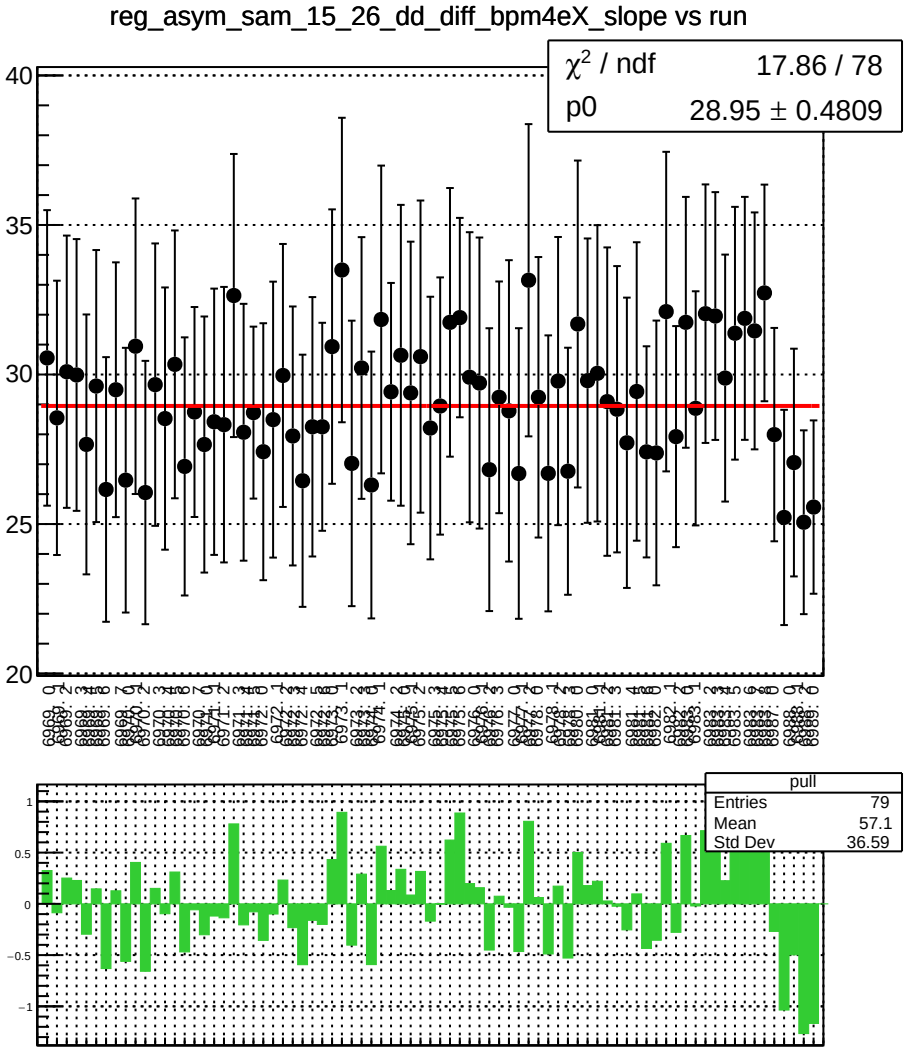

pull1D
Entries 79
Mean 0.02095
Std Dev 0.5011

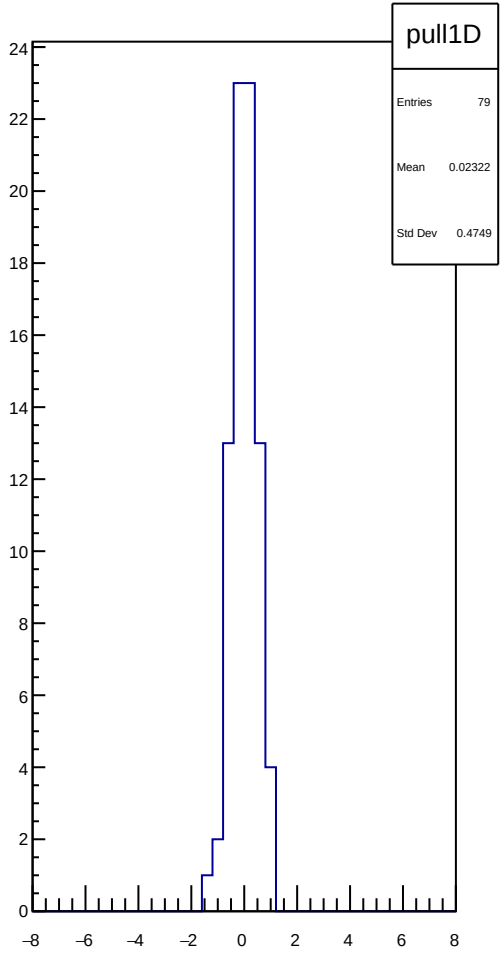

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ^2 / ndf 14.37 / 78
p0 2.054 ± 0.523
pull
Entries 79
Mean 57.55
Std Dev 49.68

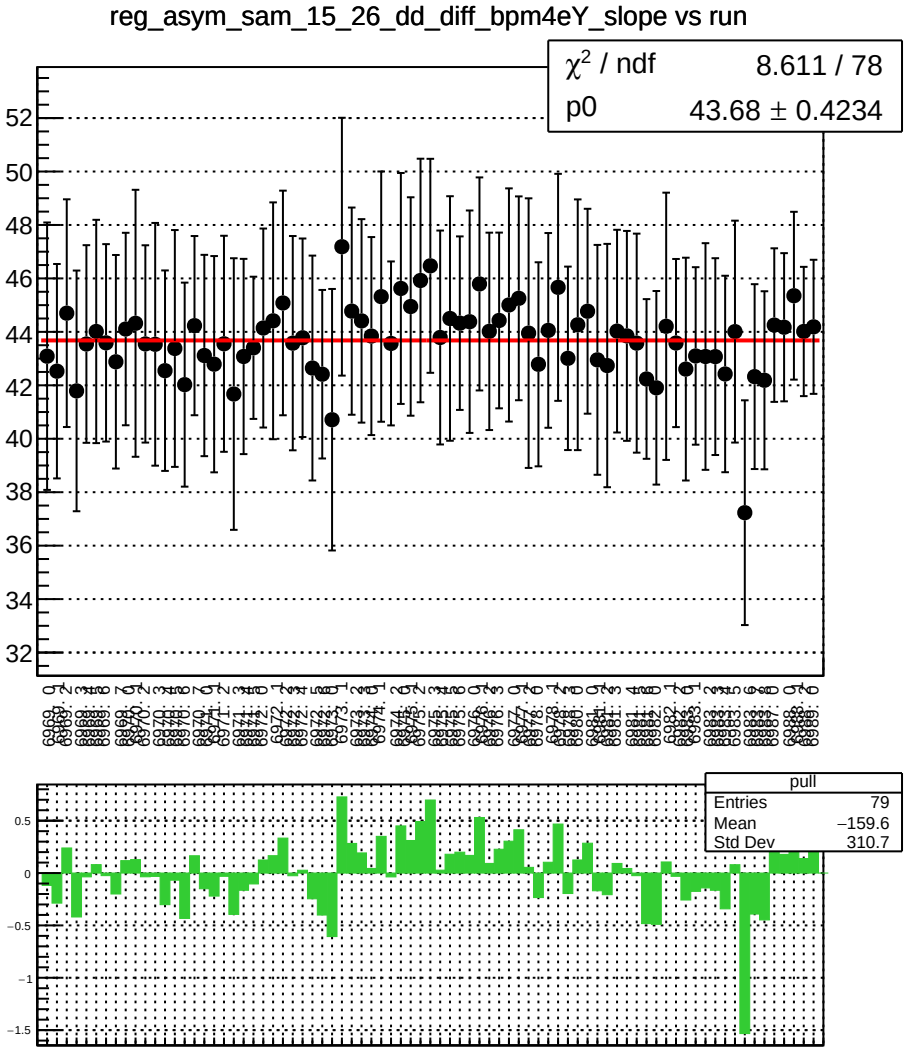

pull1D
Entries 79
Mean −0.01509
Std Dev 0.4262

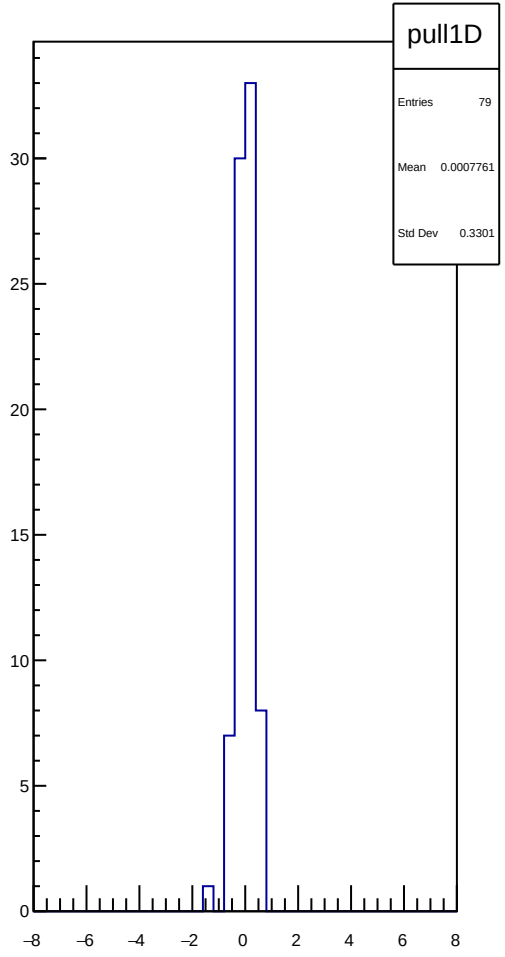

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.928 / 78
p0 −1.58 ± 0.3689
pull
Entries 79
Mean −1.346
Std Dev 14.22

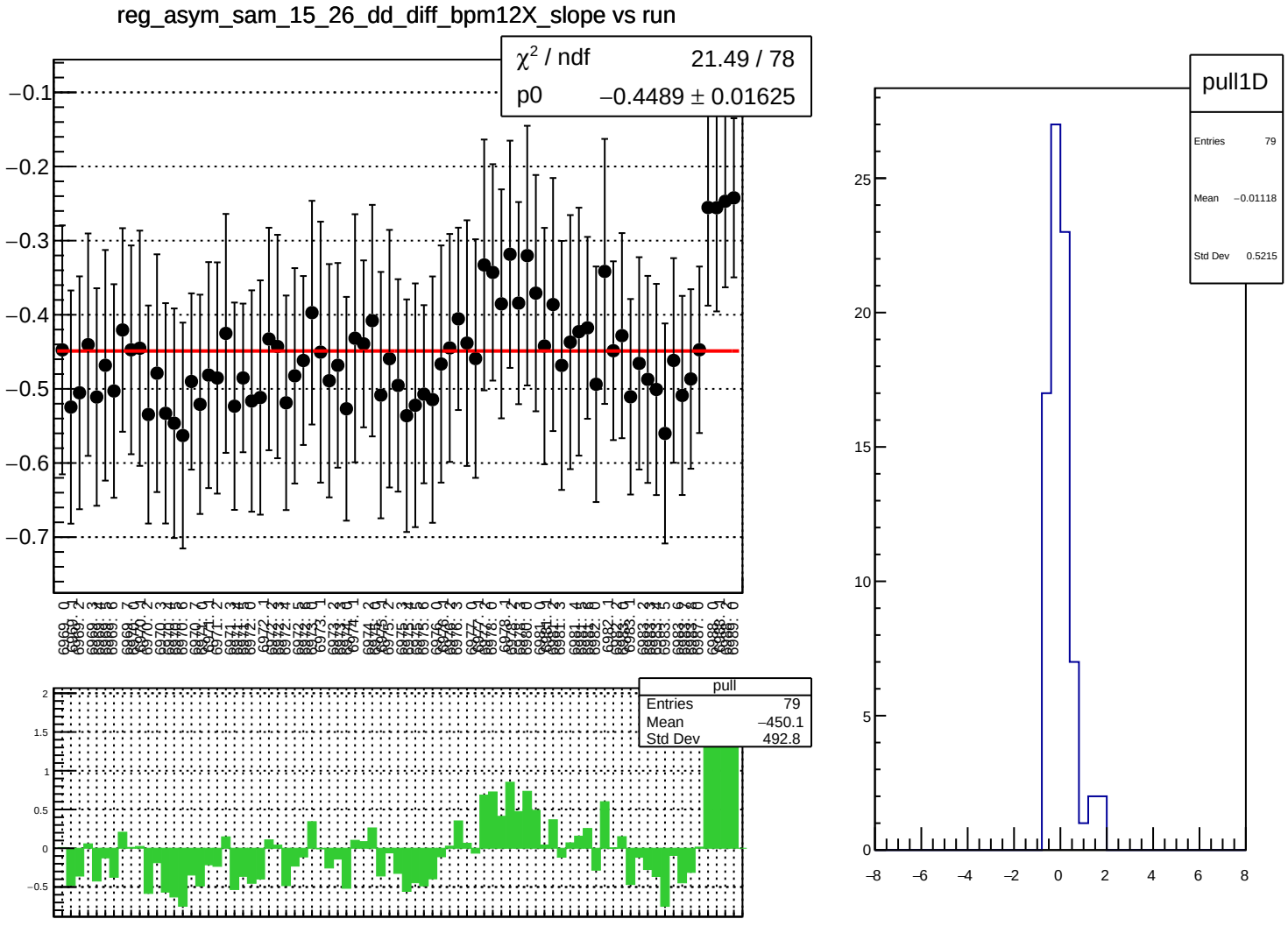

pull1D
Entries 79
Mean 0.02028
Std Dev 0.3161

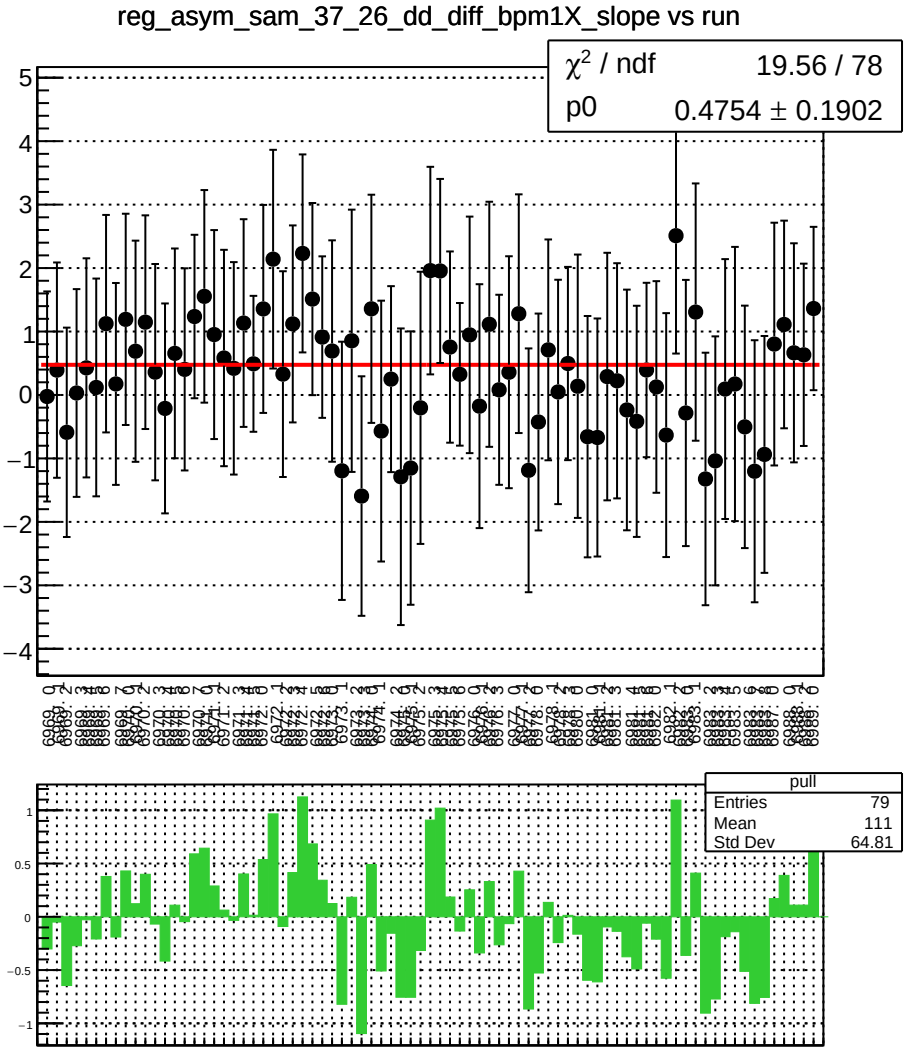

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 17.86 / 78
p0 28.95 ± 0.4809
pull
Entries 79
Mean 57.1
Std Dev 36.59

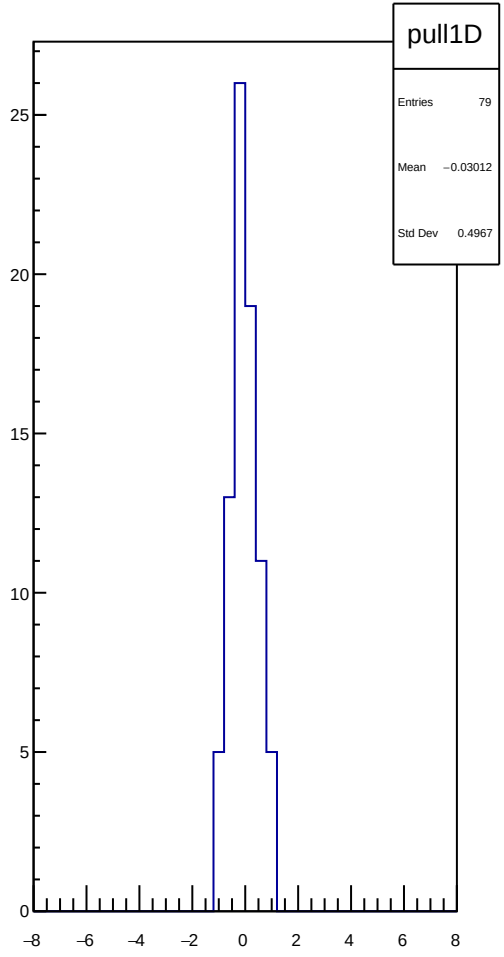

pull1D
Entries 79
Mean 0.02322
Std Dev 0.4749

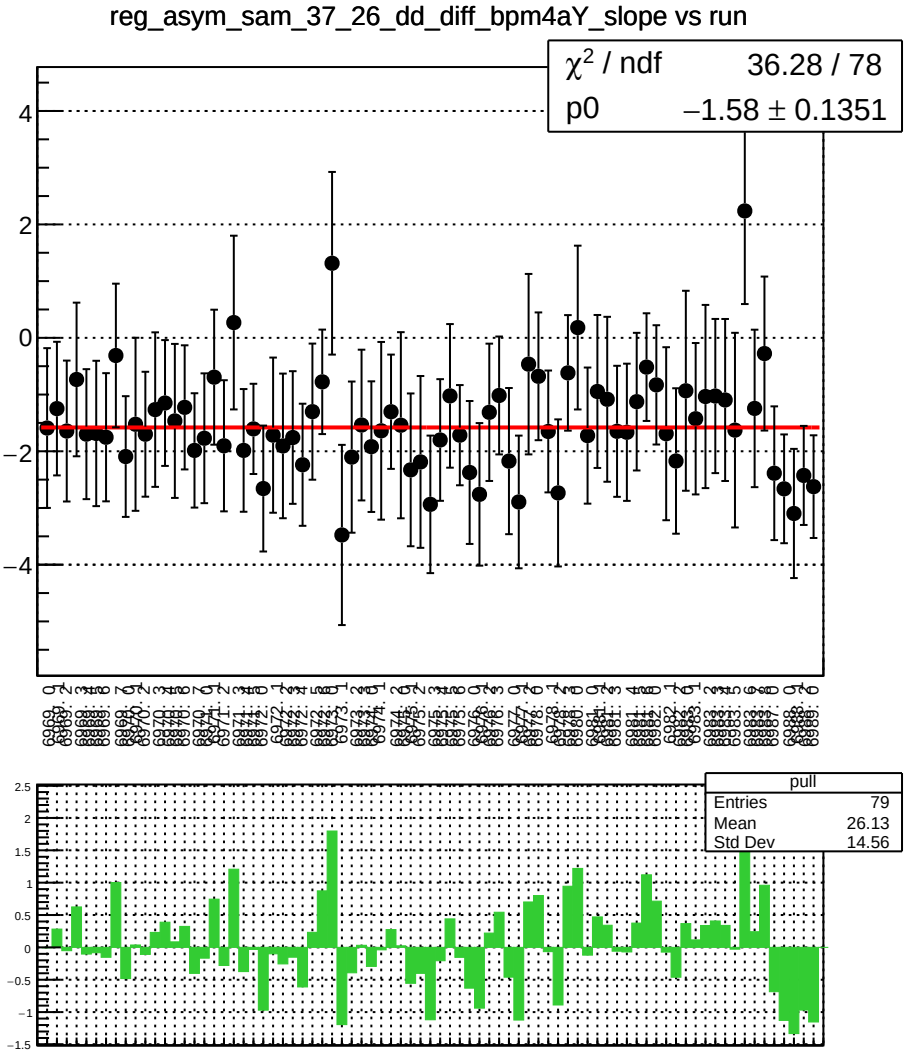

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 8.611 / 78
p0 43.68 ± 0.4234
pull
Entries 79
Mean −159.6
Std Dev 310.7

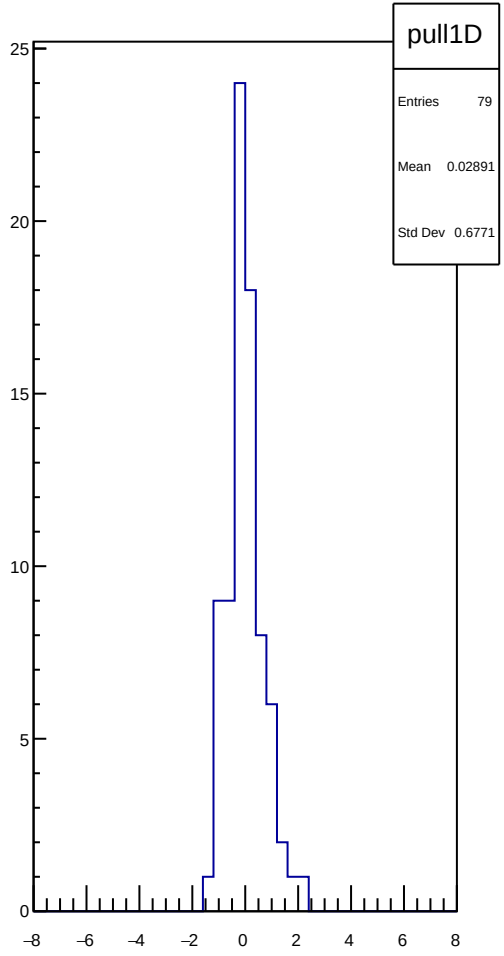

pull1D
Entries 79
Mean 0.0007761
Std Dev 0.3301

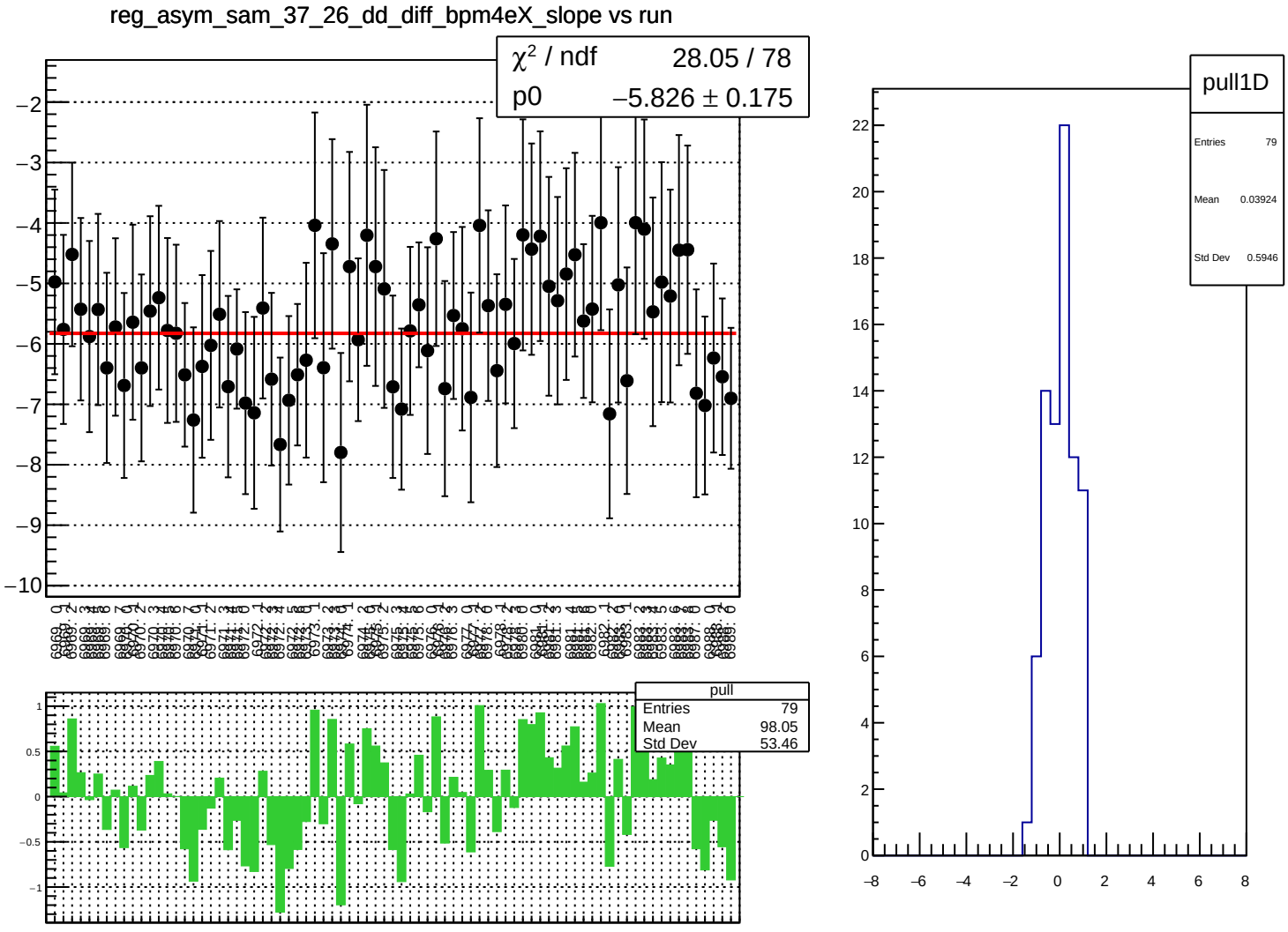

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 21.49 / 78
p0 −0.4489 ± 0.01625
pull
Entries 79
Mean −450.1
Std Dev 492.8
pull1D
Entries 79
Mean −0.01118
Std Dev 0.5215

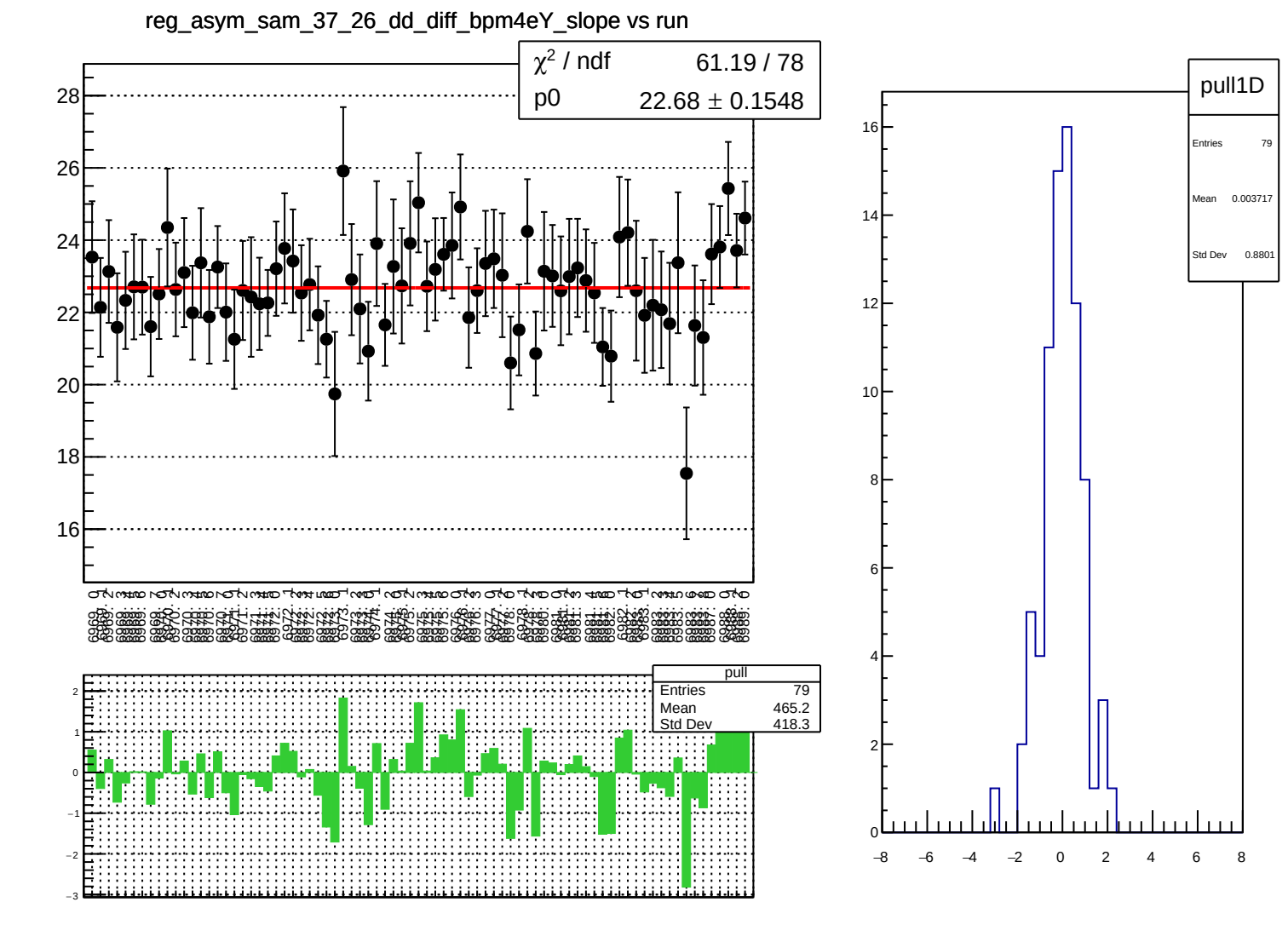

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 19.56 / 78
p0 0.4754 ± 0.1902
pull
Entries 79
Mean 111
Std Dev 64.81

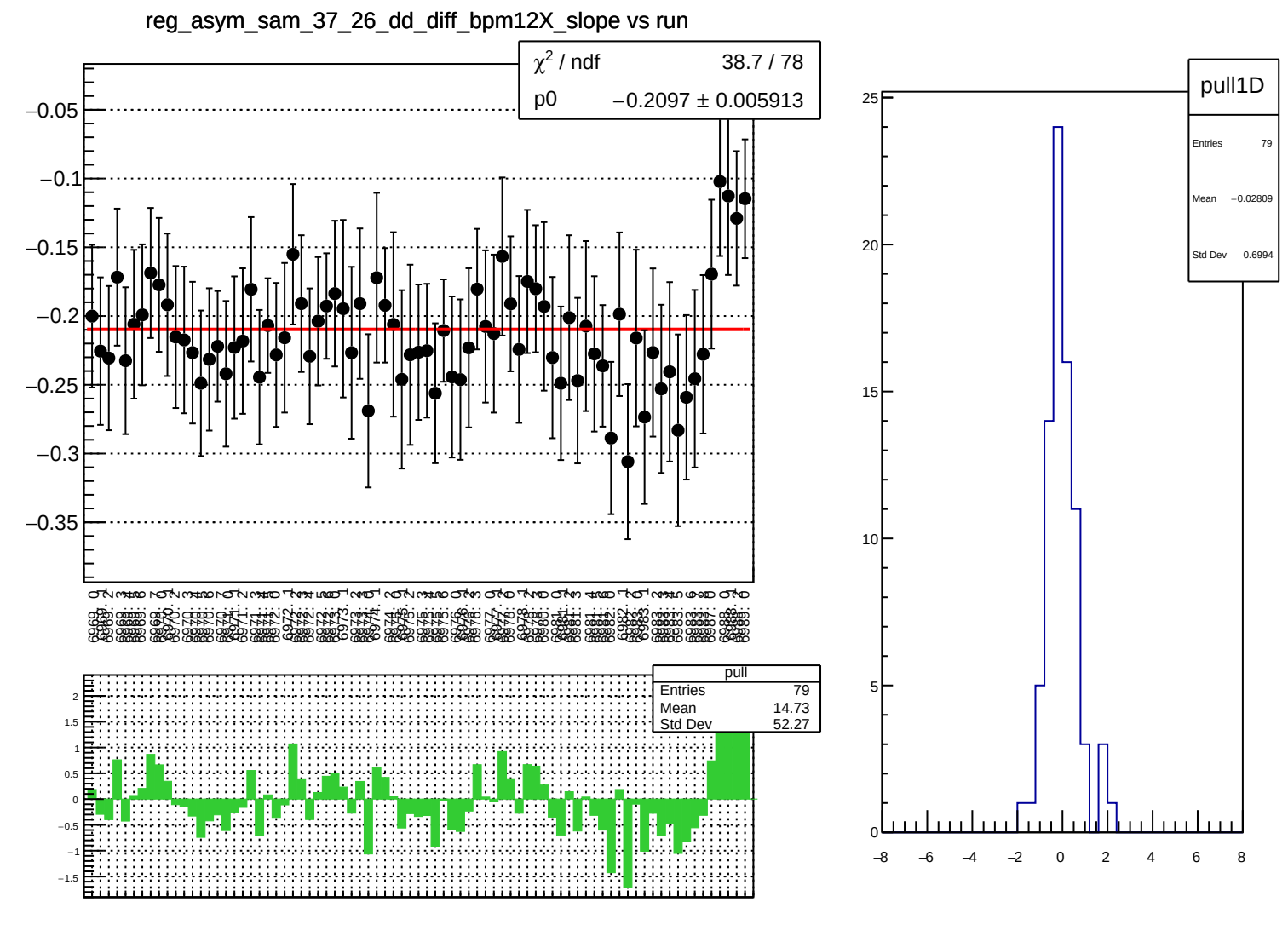

pull1D
Entries 79
Mean −0.03012
Std Dev 0.4967

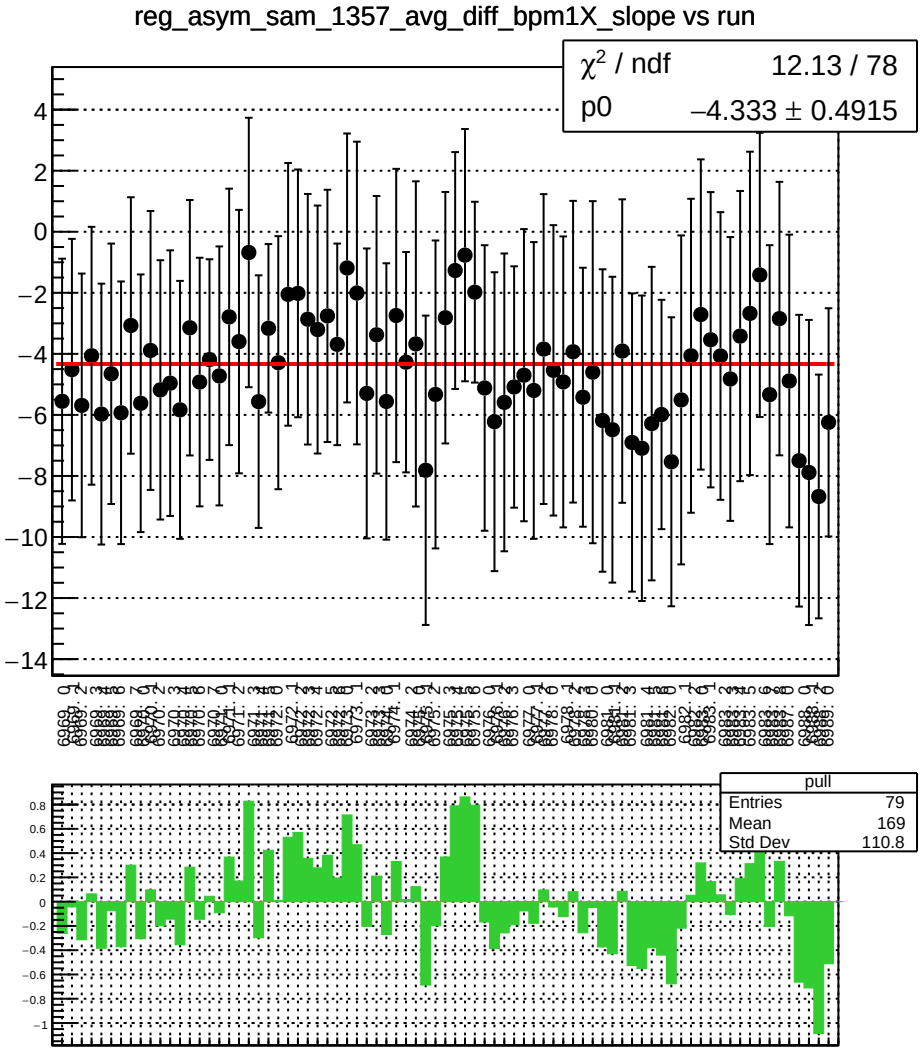

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 36.28 / 78
p0 −1.58 ± 0.1351
pull
Entries 79
Mean 26.13
Std Dev 14.56

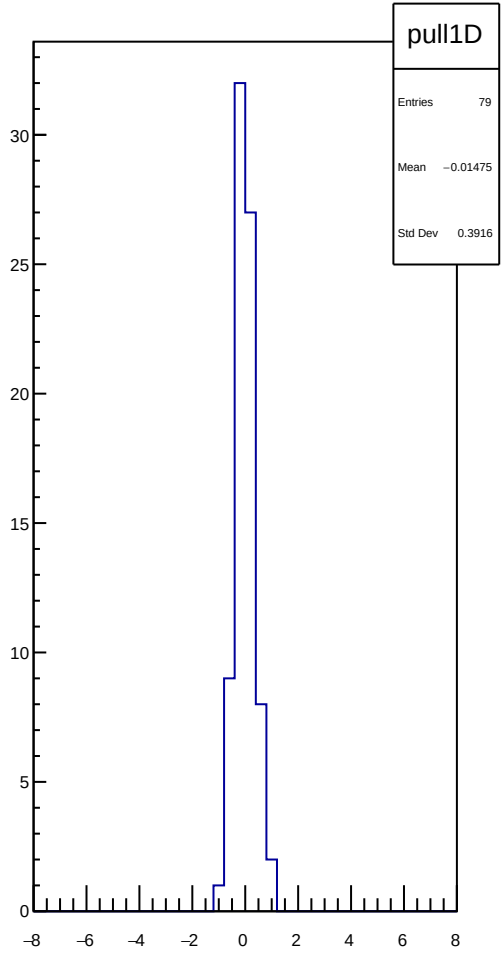

pull1D
Entries 79
Mean 0.02891
Std Dev 0.6771

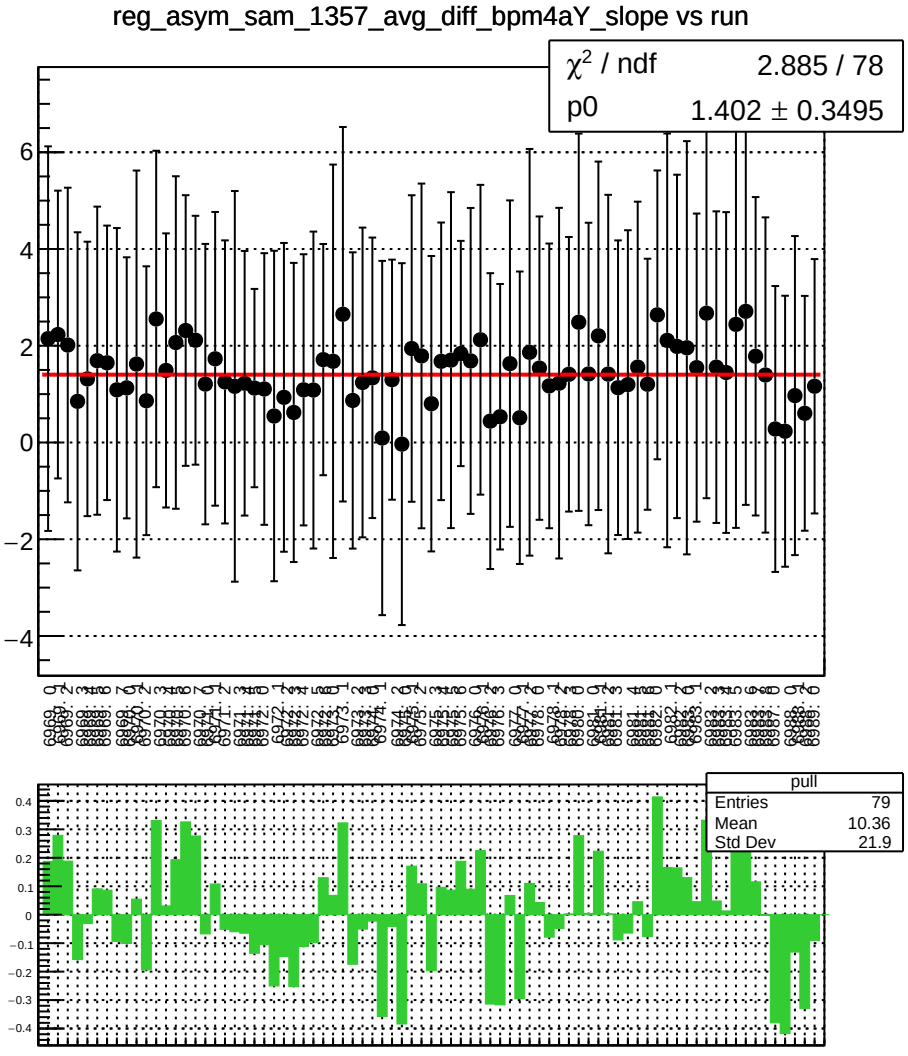

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 28.05 / 78
p0 −5.826 ± 0.175
pull
Entries 79
Mean 98.05
Std Dev 53.46
pull1D
Entries 79
Mean 0.03924
Std Dev 0.5946

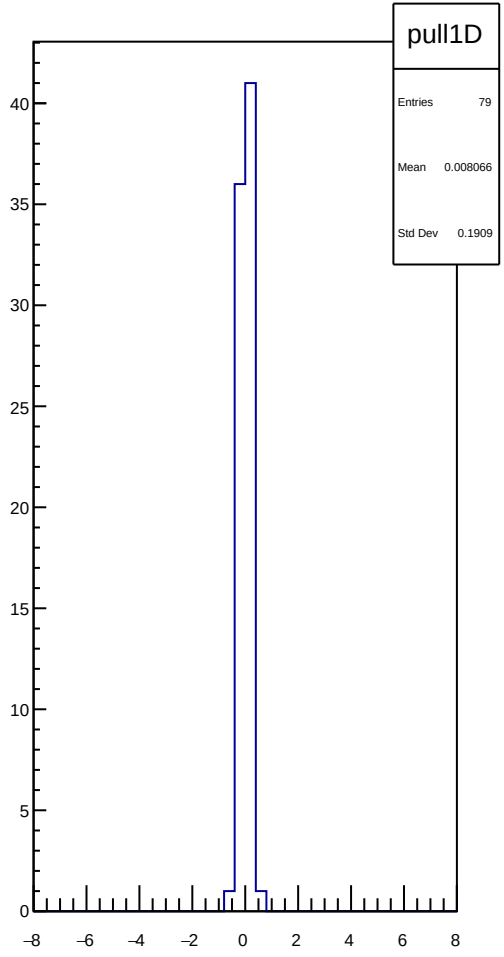

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 61.19 / 78
p0 22.68 ± 0.1548
pull
Entries 79
Mean 465.2
Std Dev 418.3
pull1D
Entries 79
Mean 0.003717
Std Dev 0.8801

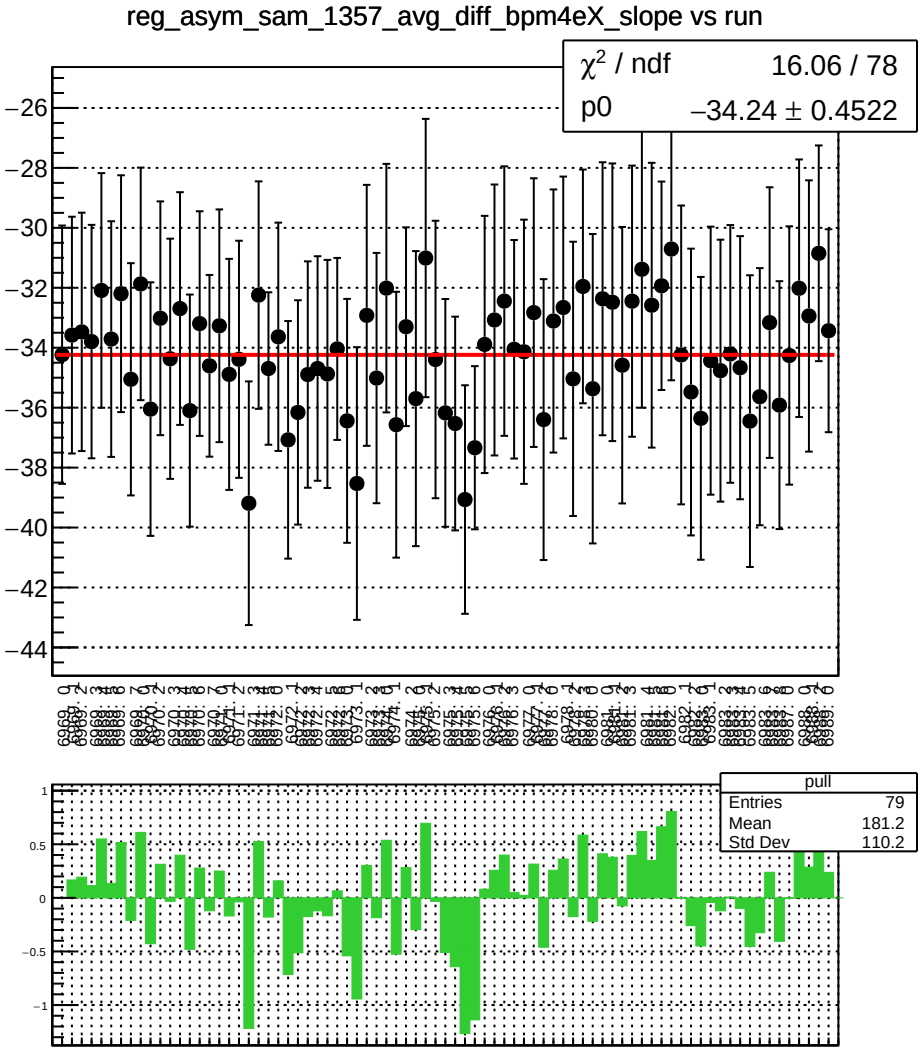

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 38.7 / 78
p0 −0.2097 ± 0.005913
pull
Entries 79
Mean 14.73
Std Dev 52.27
pull1D
Entries 79
Mean −0.02809
Std Dev 0.6994

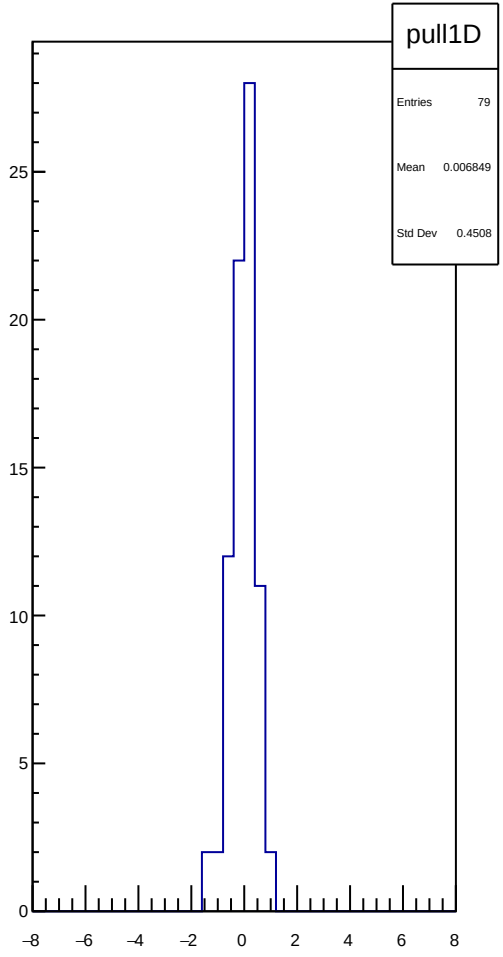

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ^2 / ndf 12.13 / 78
p0 −4.333 ± 0.4915
pull
Entries 79
Mean 169
Std Dev 110.8

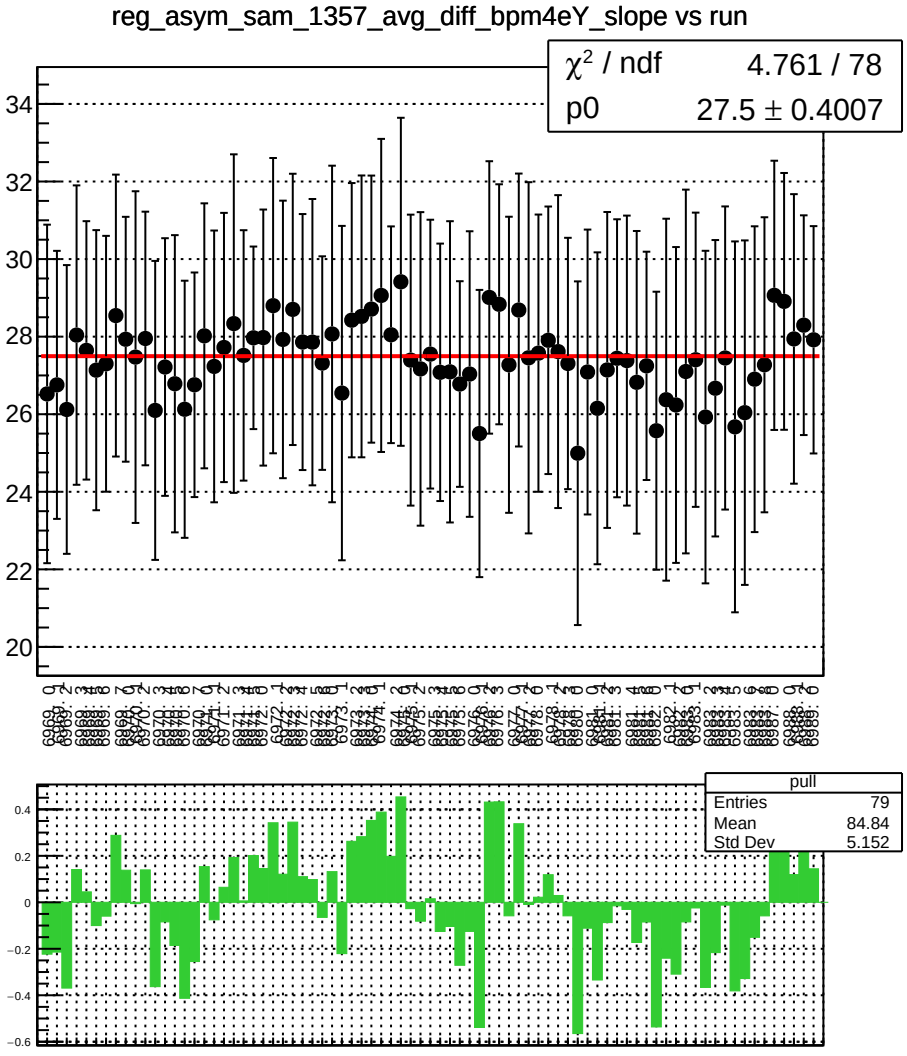

pull1D
Entries 79
Mean −0.01475
Std Dev 0.3916

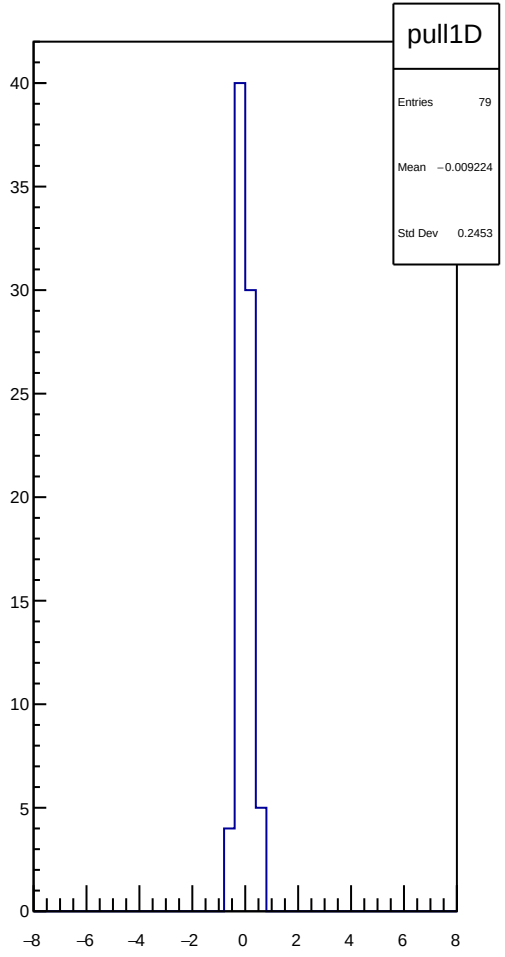

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.885 / 78
p0 1.402 ± 0.3495
pull
Entries 79
Mean 10.36
Std Dev 21.9

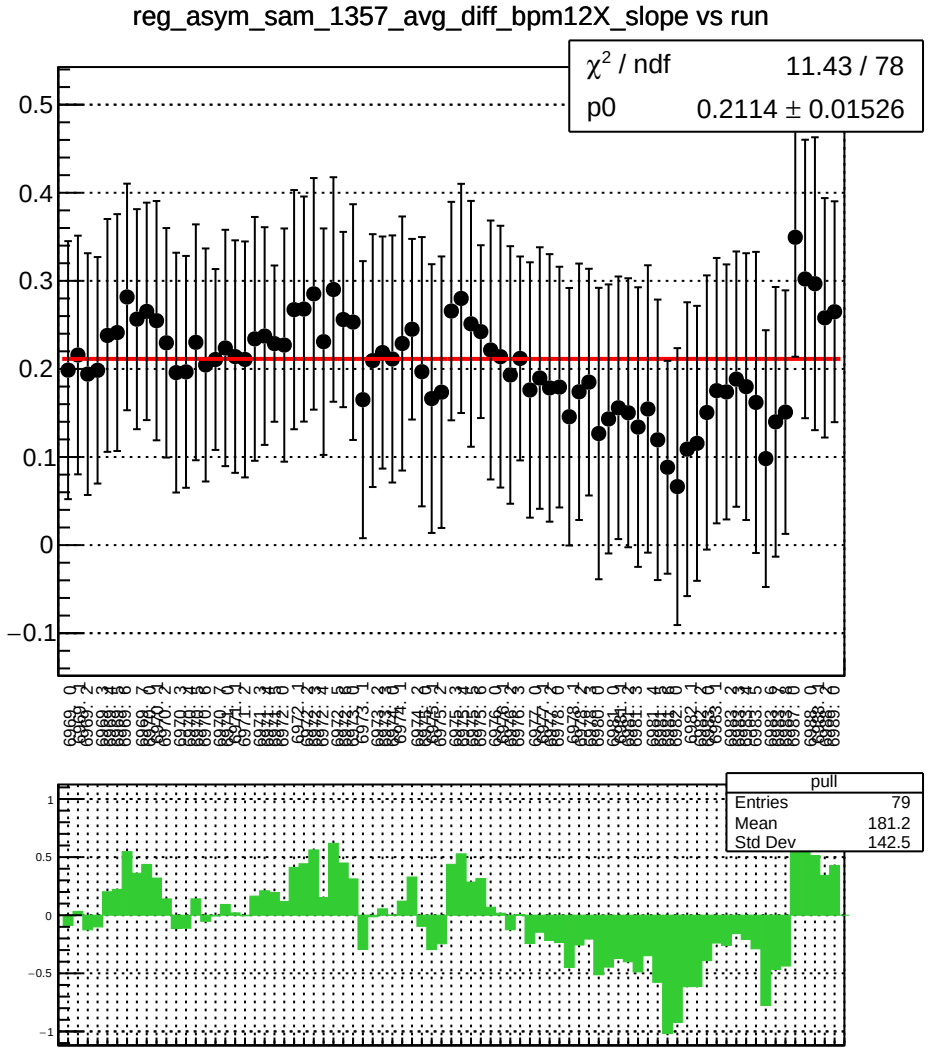

pull1D
Entries 79
Mean 0.008066
Std Dev 0.1909

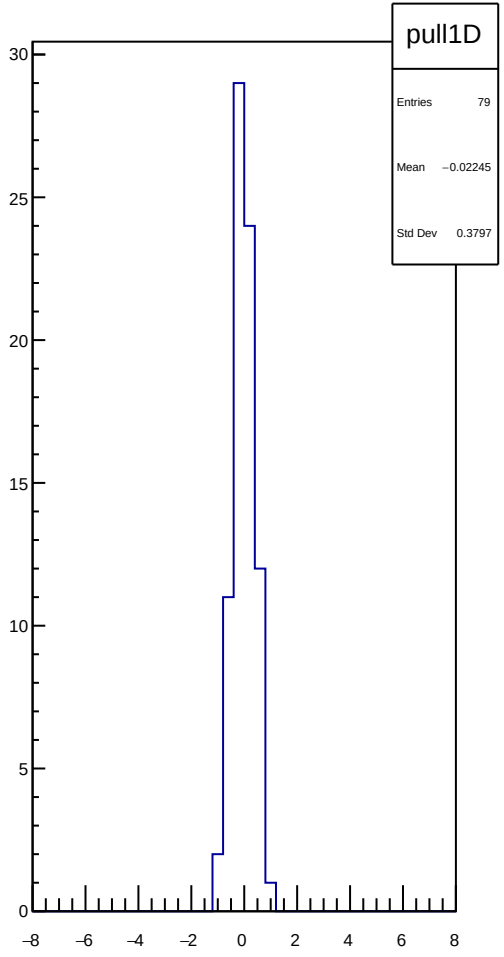

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 16.06 / 78
p0 −34.24 ± 0.4522
pull
Entries 79
Mean 181.2
Std Dev 110.2

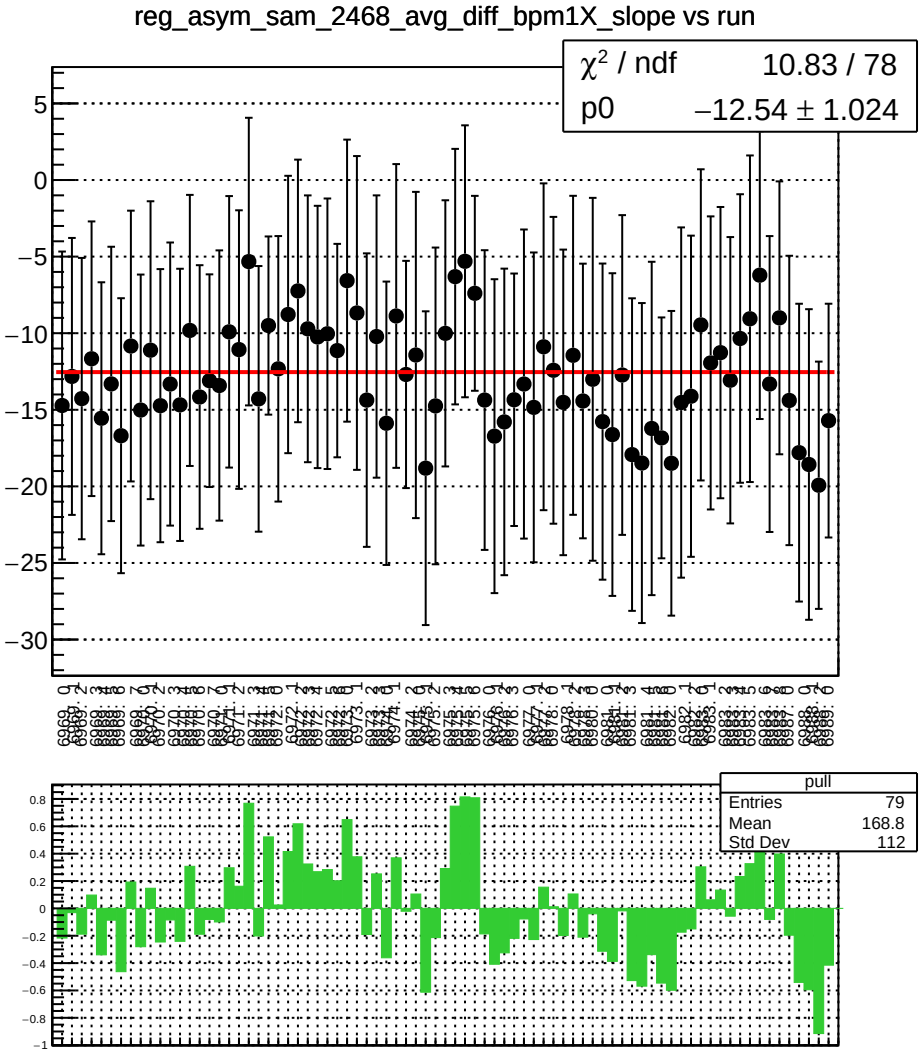

pull1D
Entries 79
Mean 0.006849
Std Dev 0.4508

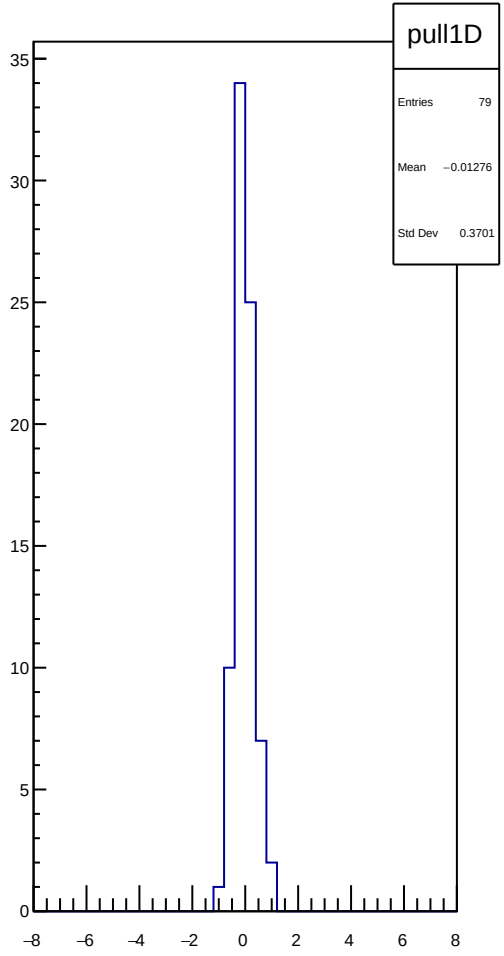

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 4.761 / 78
p0 27.5 ± 0.4007
pull
Entries 79
Mean 84.84
Std Dev 5.152

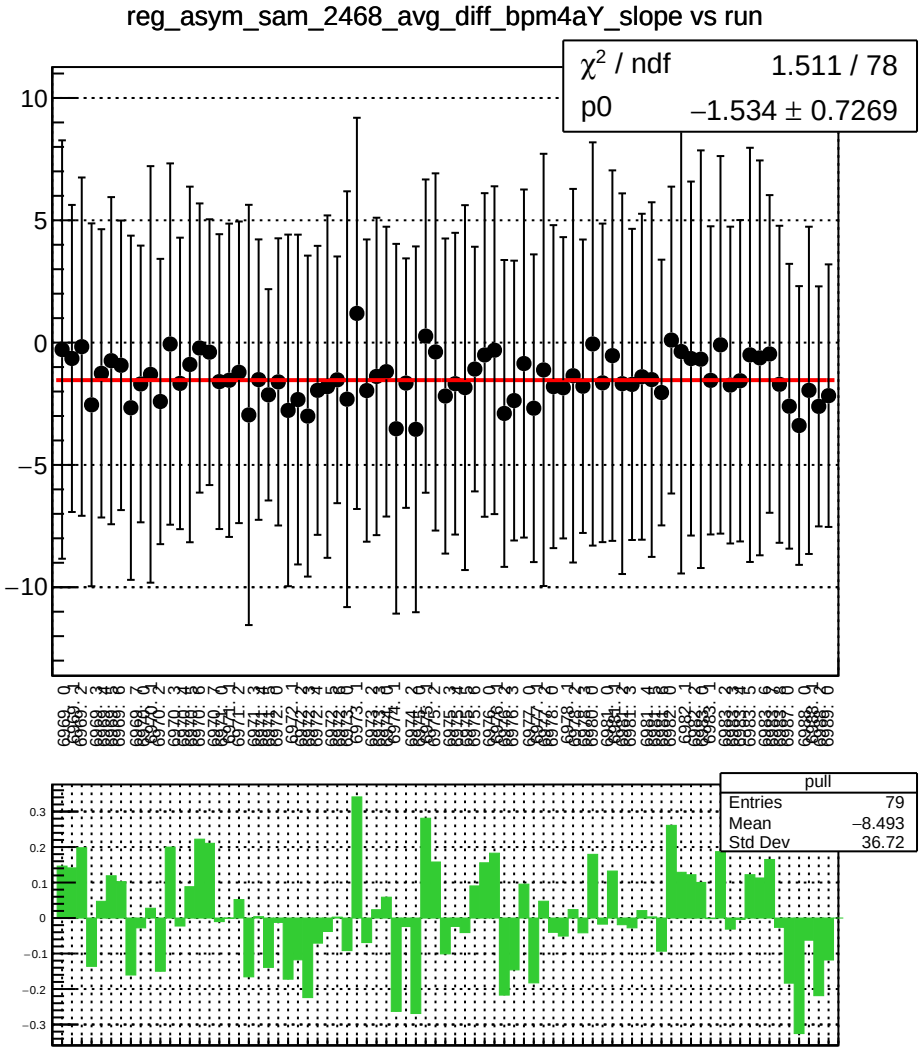

pull1D
Entries 79
Mean −0.009224
Std Dev 0.2453

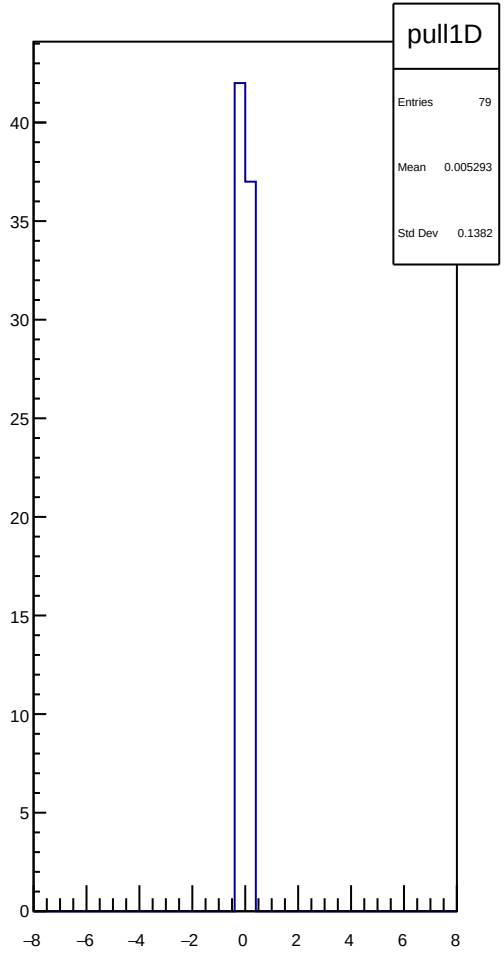

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ^2 / ndf 11.43 / 78
p0 0.2114 ± 0.01526
pull
Entries 79
Mean 181.2
Std Dev 142.5

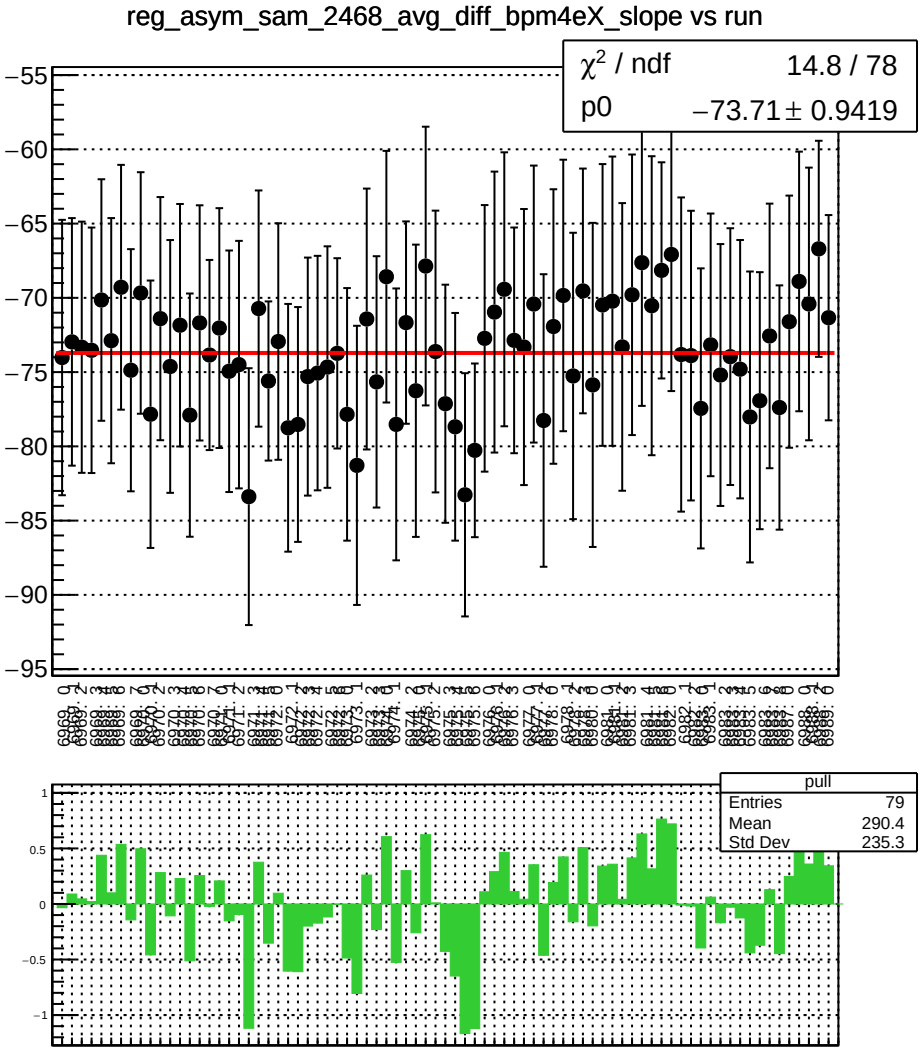

pull1D
Entries 79
Mean −0.02245
Std Dev 0.3797

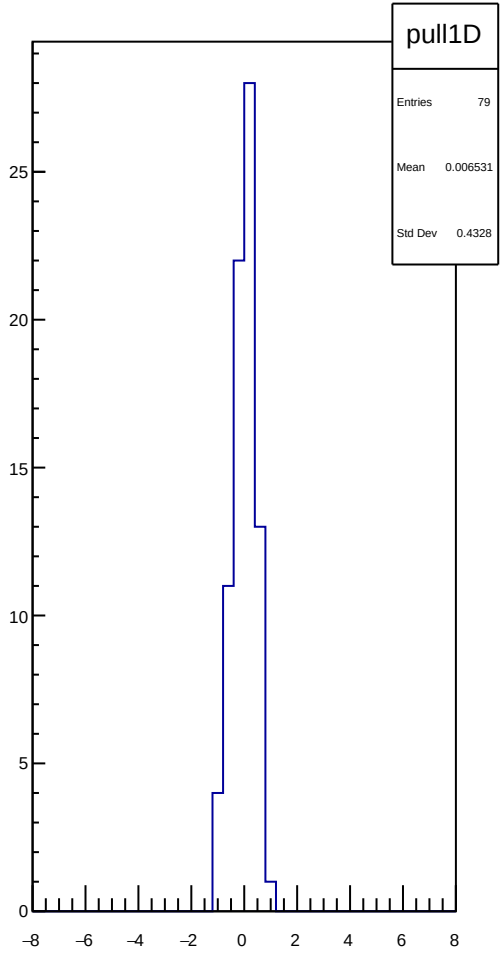

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ^2 / ndf 10.83 / 78
p0 −12.54 ± 1.024
pull
Entries 79
Mean 168.8
Std Dev 112

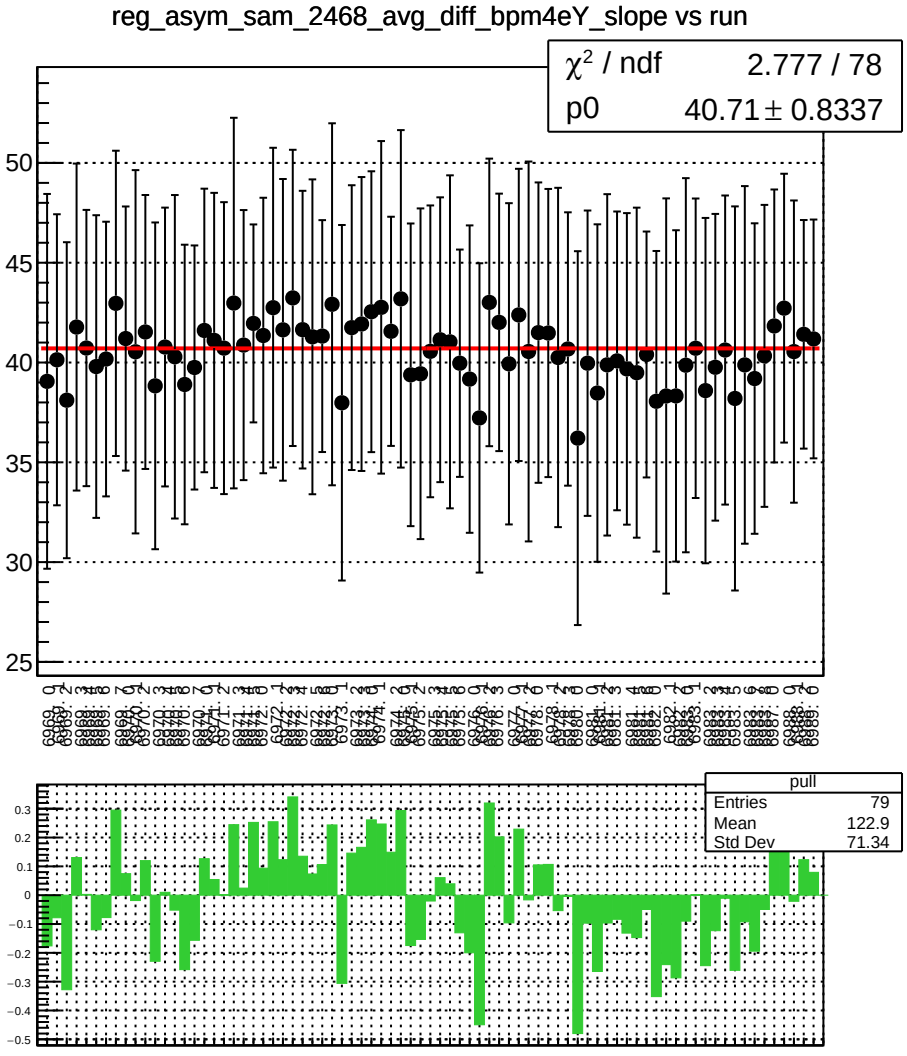

pull1D
Entries 79
Mean −0.01276
Std Dev 0.3701

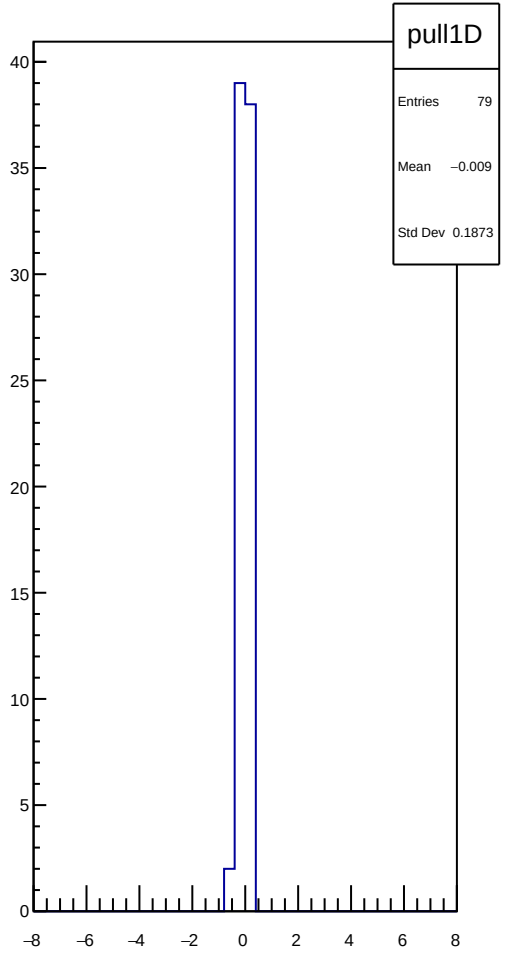

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.511 / 78
p0 −1.534 ± 0.7269
pull
Entries 79
Mean −8.493
Std Dev 36.72

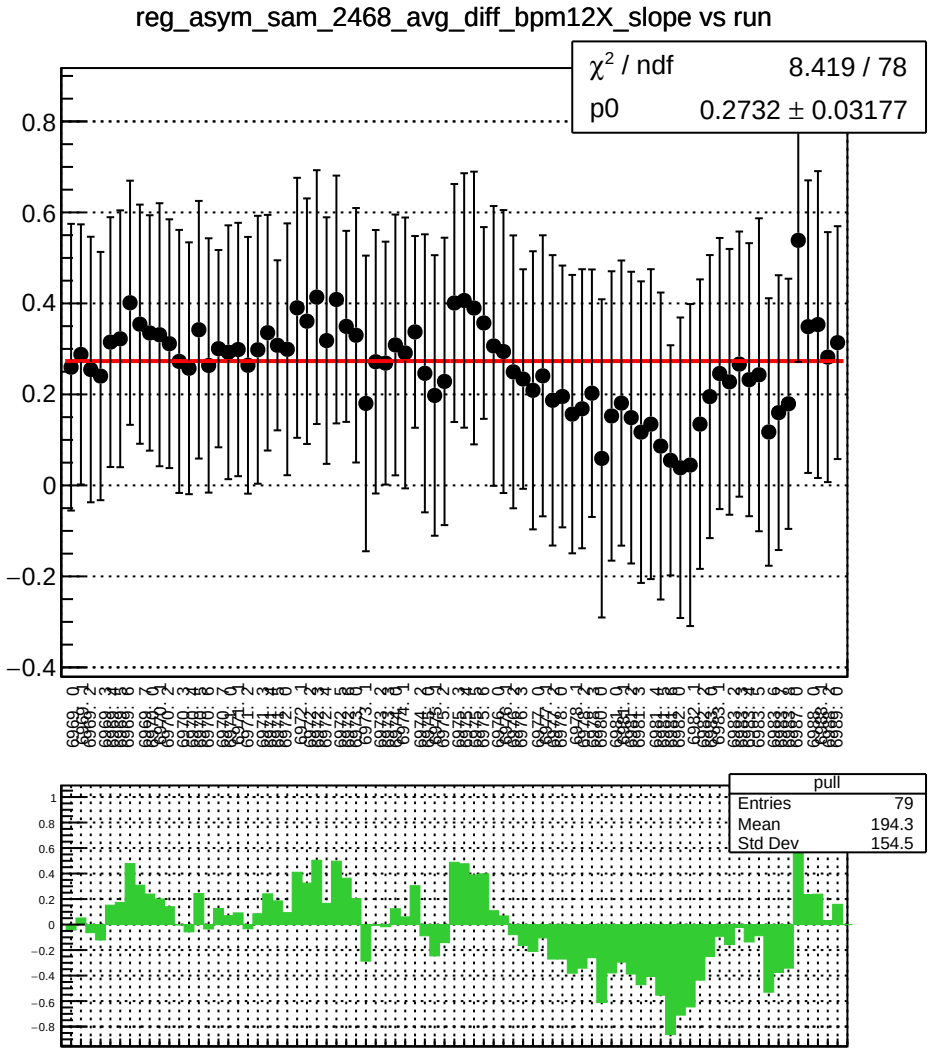

pull1D
Entries 79
Mean 0.005293
Std Dev 0.1382

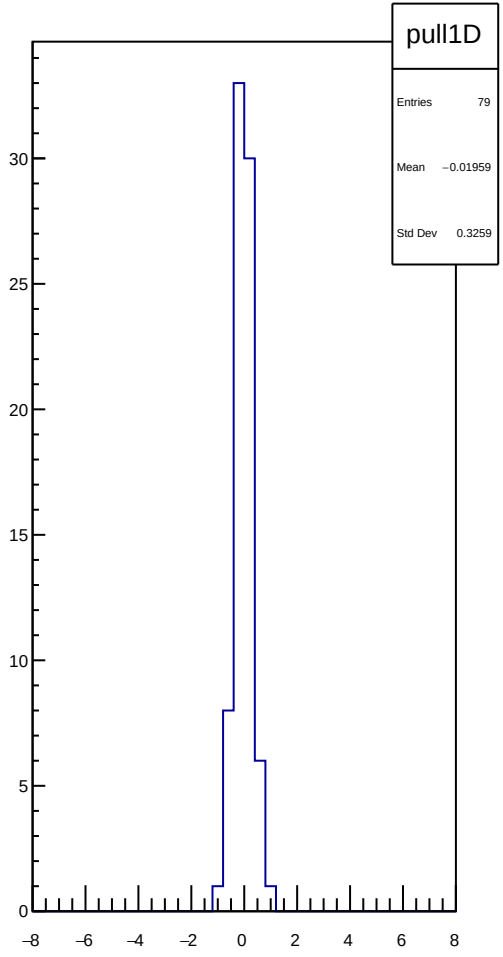

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 14.8 / 78
p0 −73.71 ± 0.9419
pull
Entries 79
Mean 290.4
Std Dev 235.3


pull1D
Entries 79
Mean 0.006531
Std Dev 0.4328

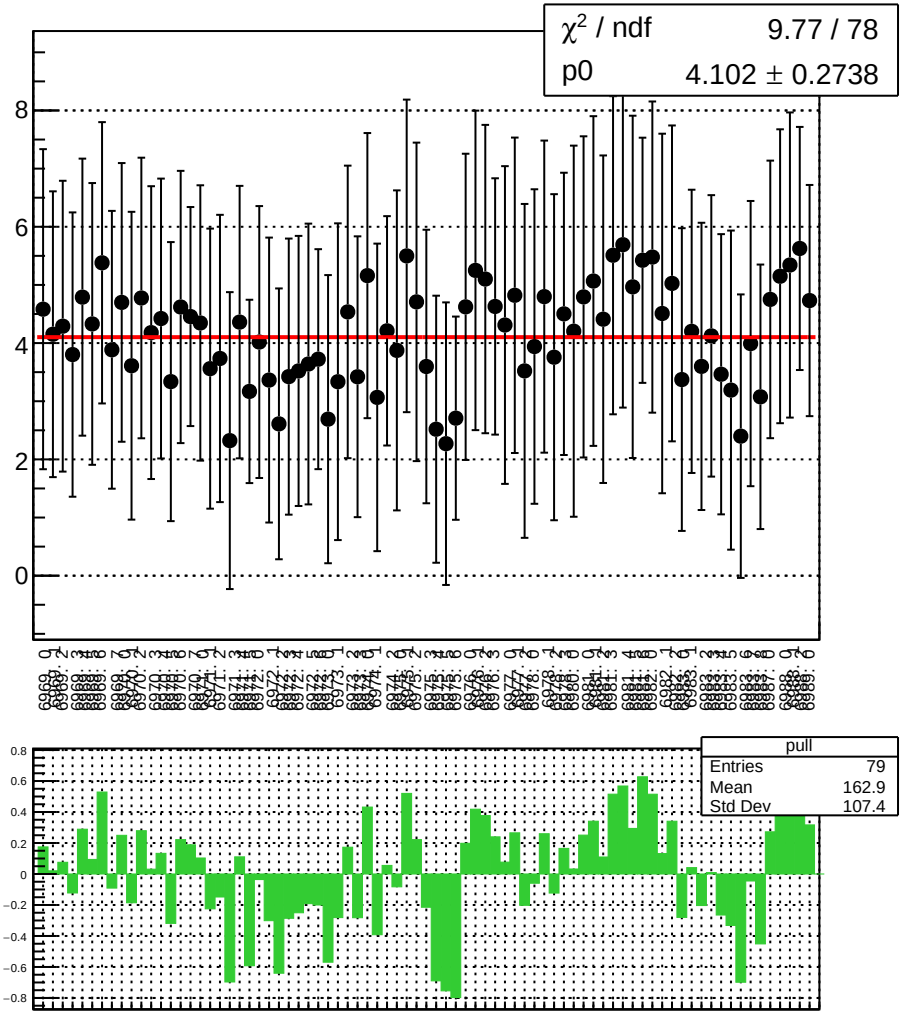

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 2.777 / 78
p0 40.71 ± 0.8337
pull
Entries 79
Mean 122.9
Std Dev 71.34

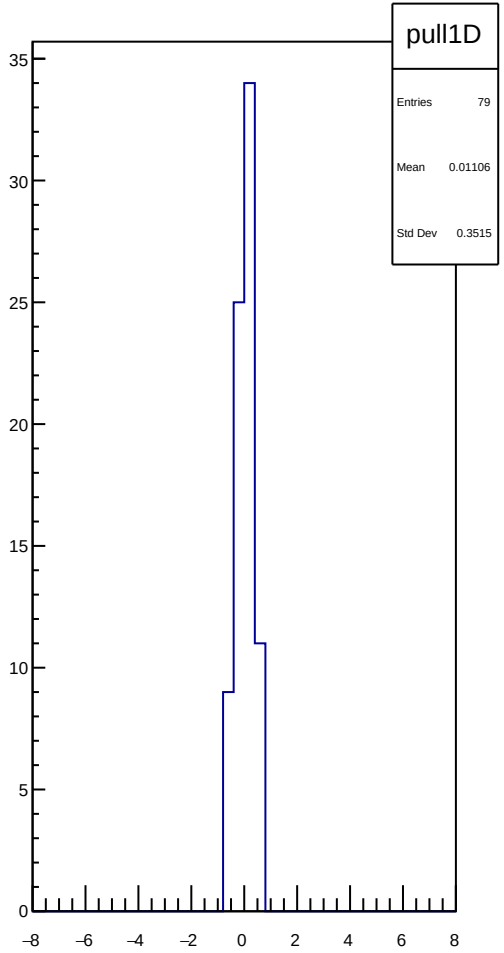

pull1D
Entries 79
Mean −0.009
Std Dev 0.1873

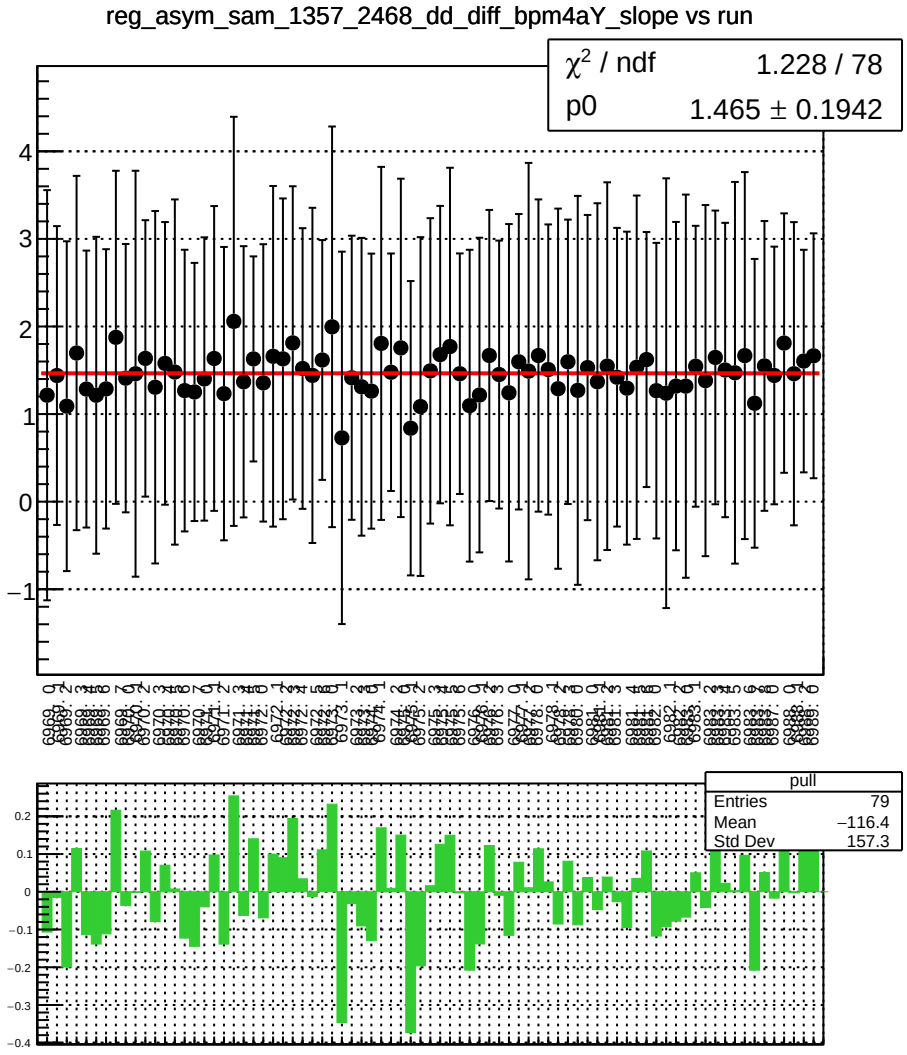

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 8.419 / 78
p0 0.2732 ± 0.03177
pull
Entries 79
Mean 194.3
Std Dev 154.5

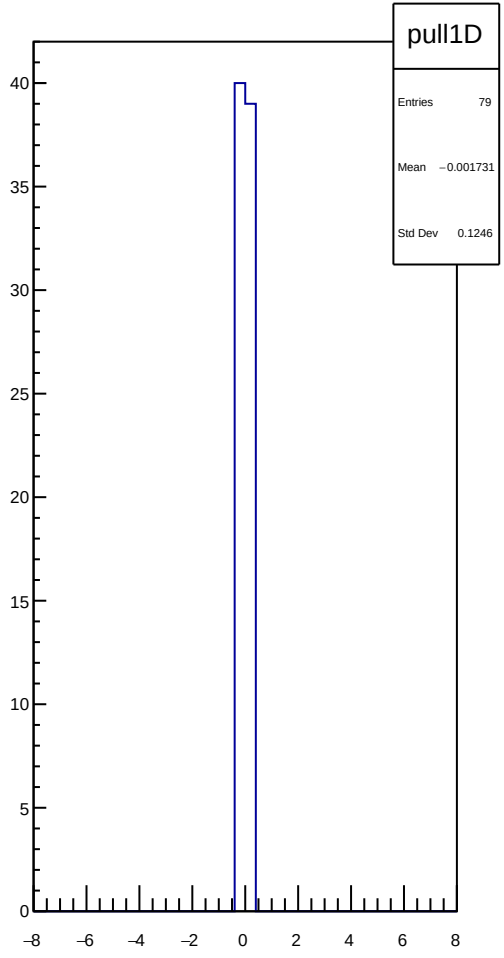

pull1D
Entries 79
Mean −0.01959
Std Dev 0.3259

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run

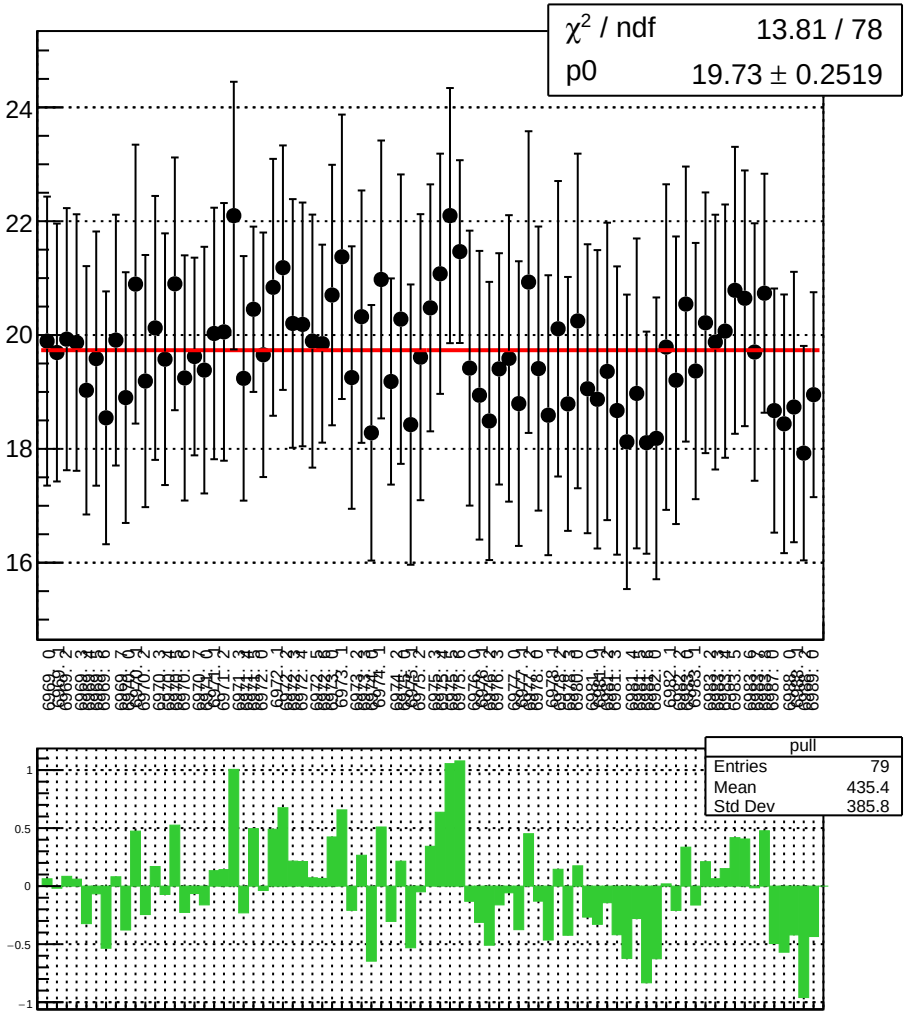


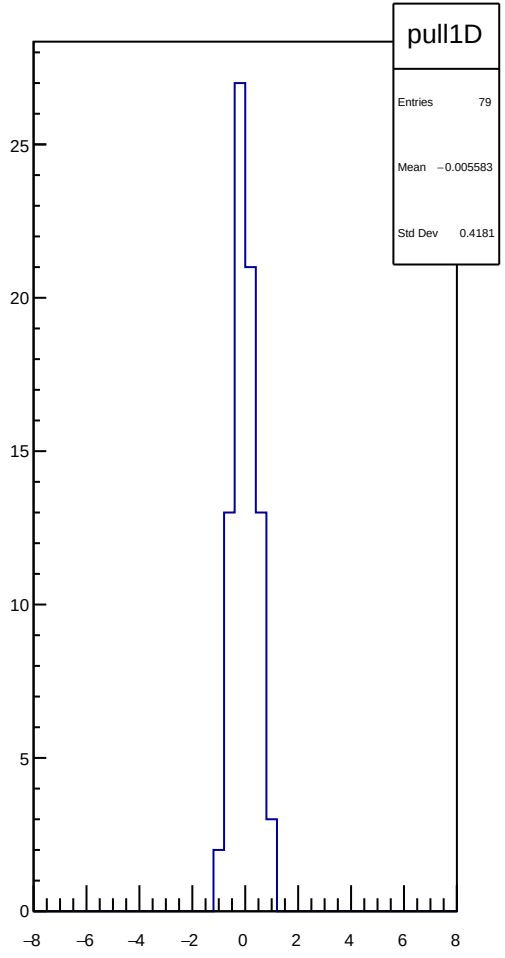



reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.228 / 78
p0 1.465 ± 0.1942
pull
Entries 79
Mean −116.4
Std Dev 157.3

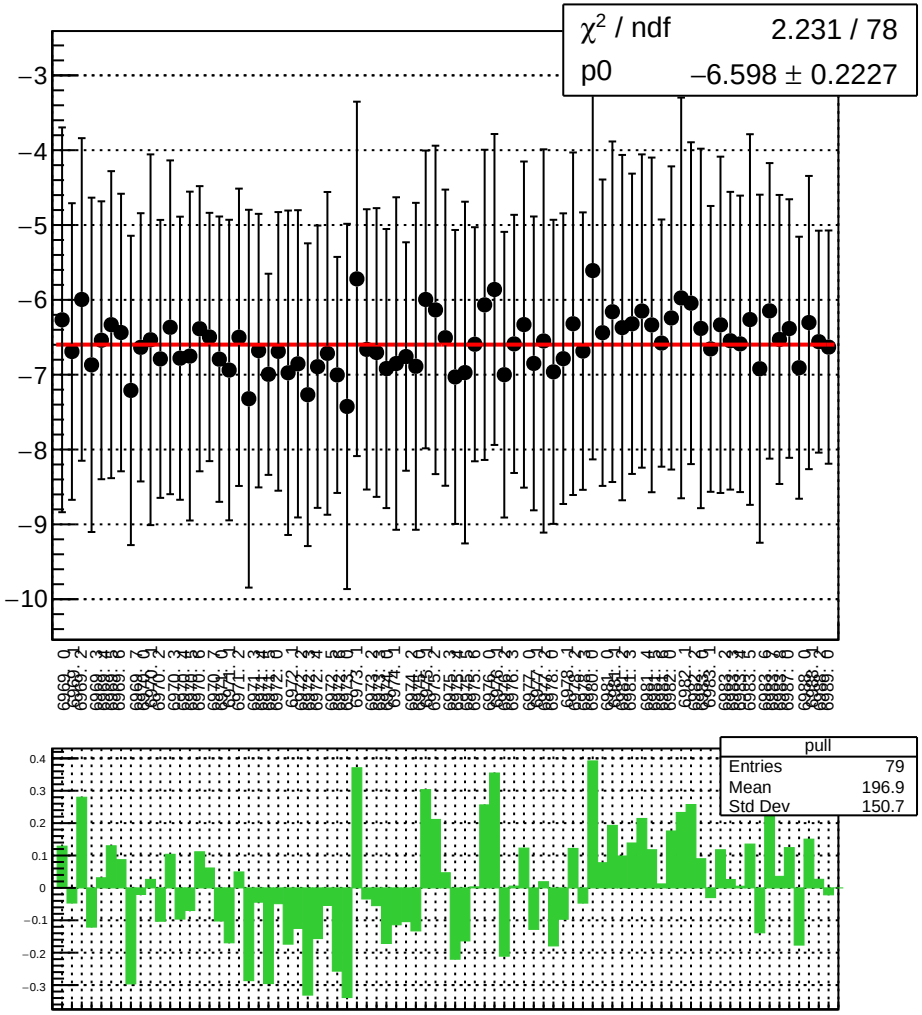

pull1D
Entries 79
Mean −0.001731
Std Dev 0.1246

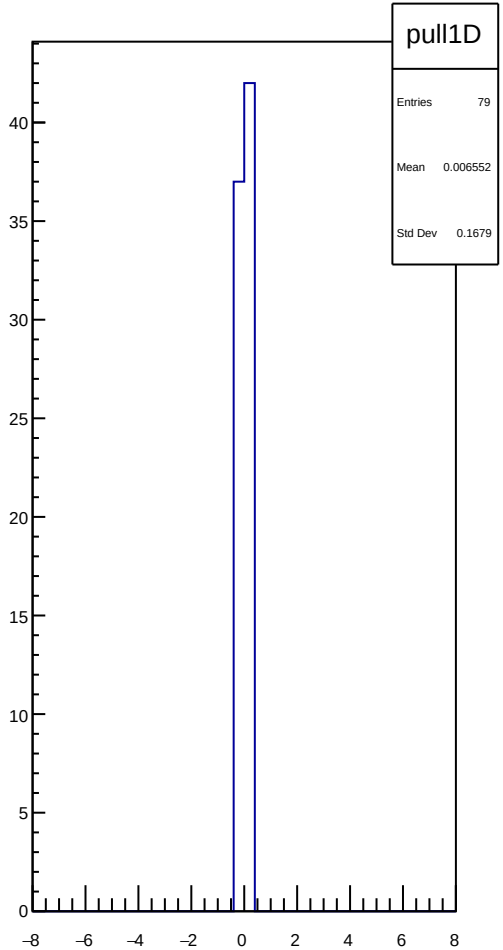
reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run

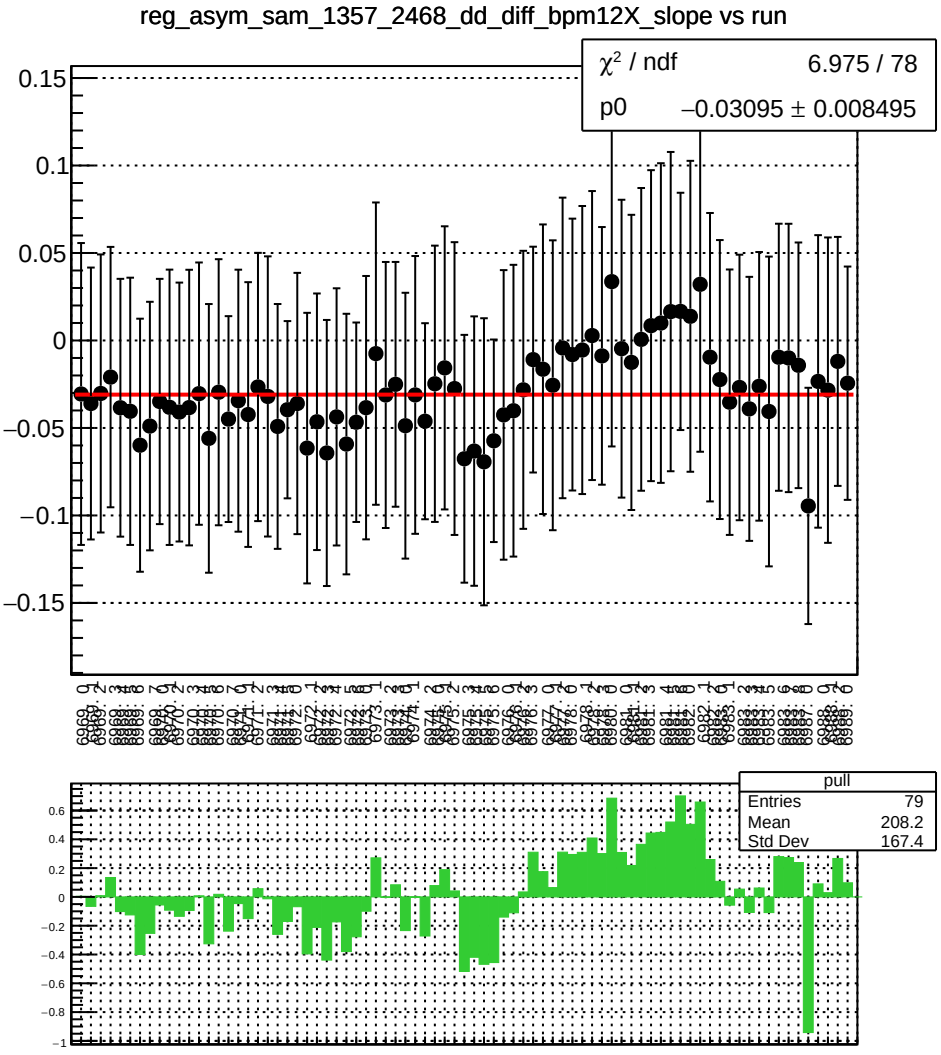


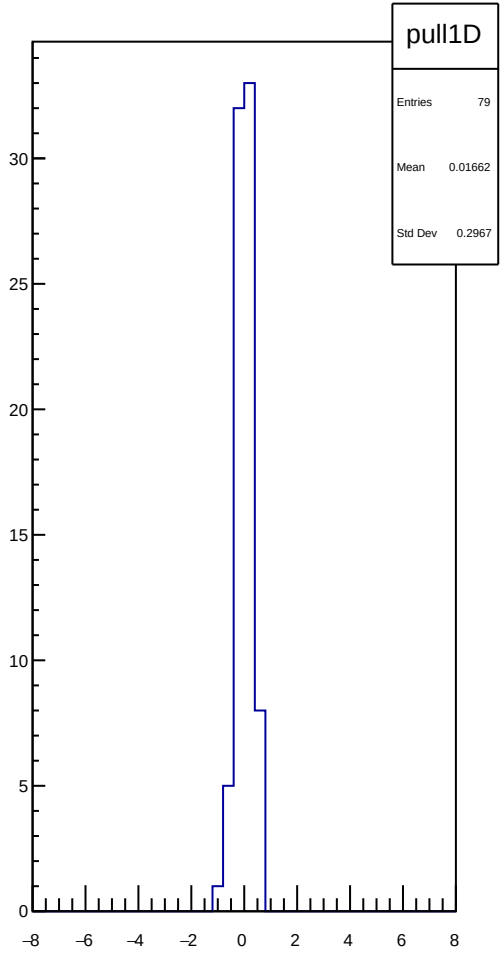


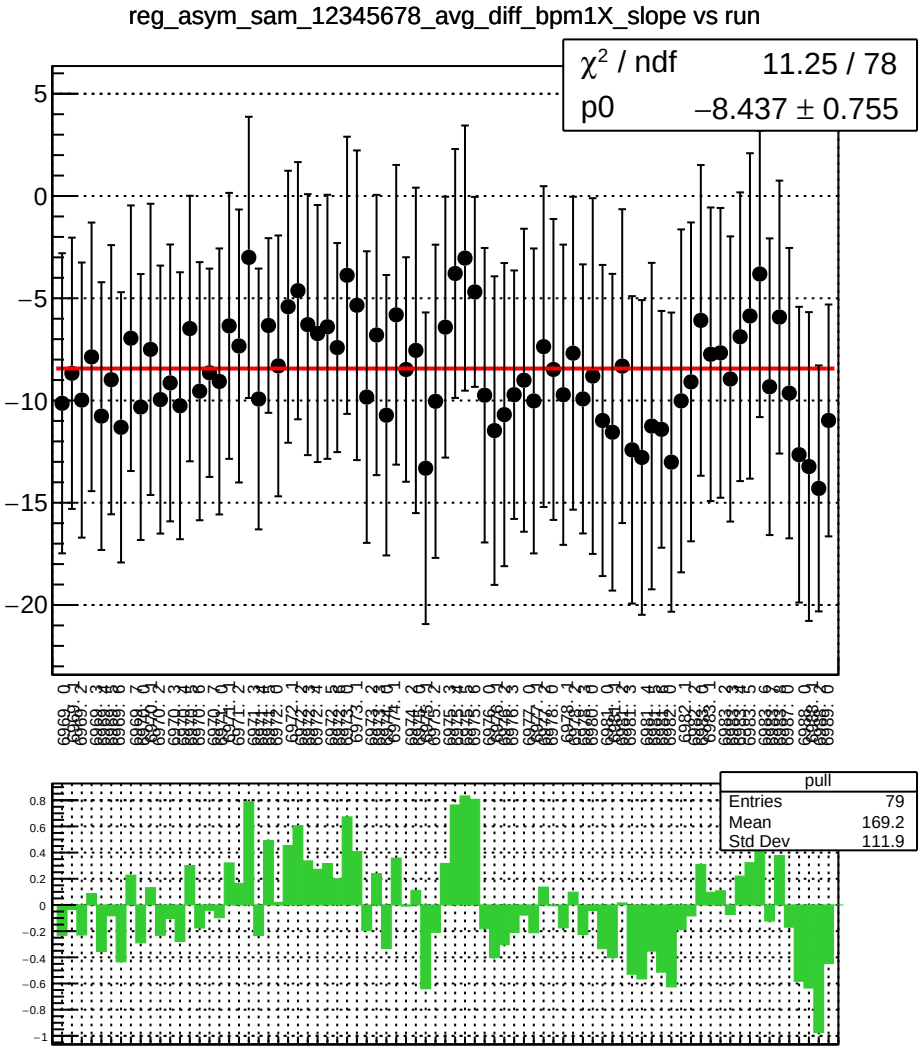
reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run

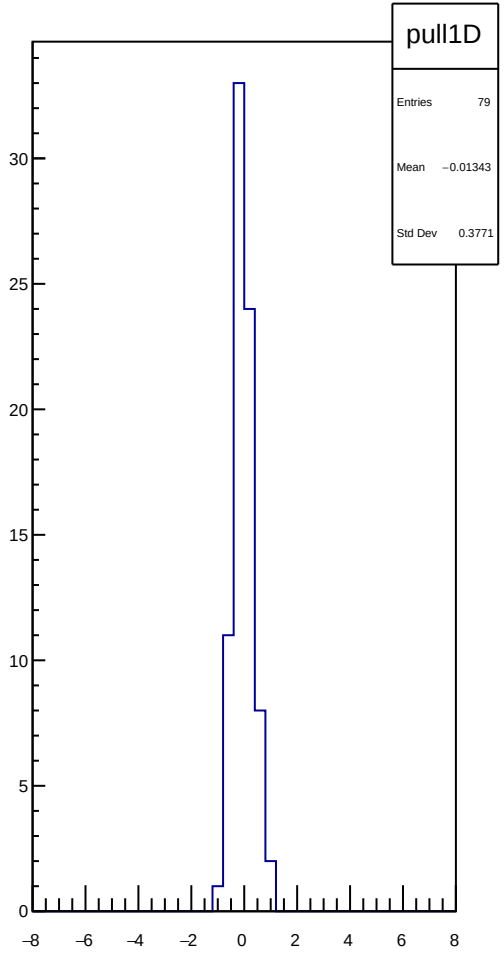




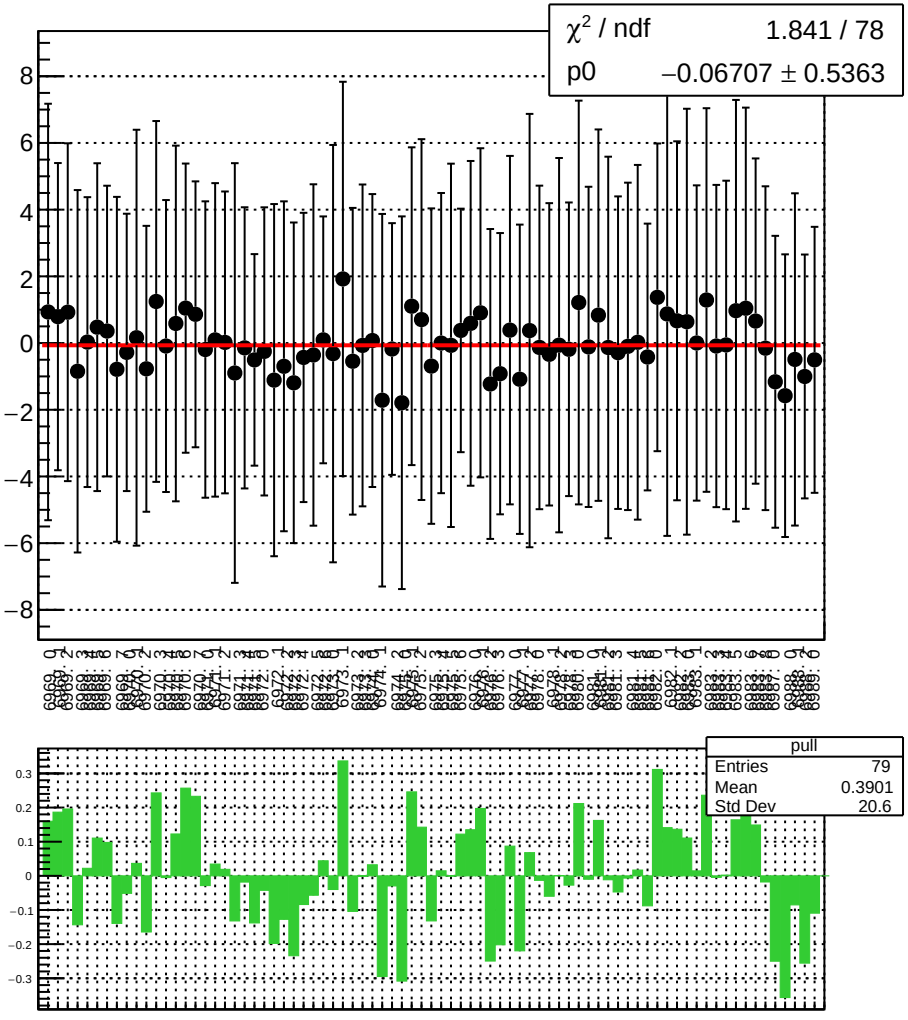

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 6.975 / 78
p0 −0.03095 ± 0.008495
pull
Entries 79
Mean 208.2
Std Dev 167.4

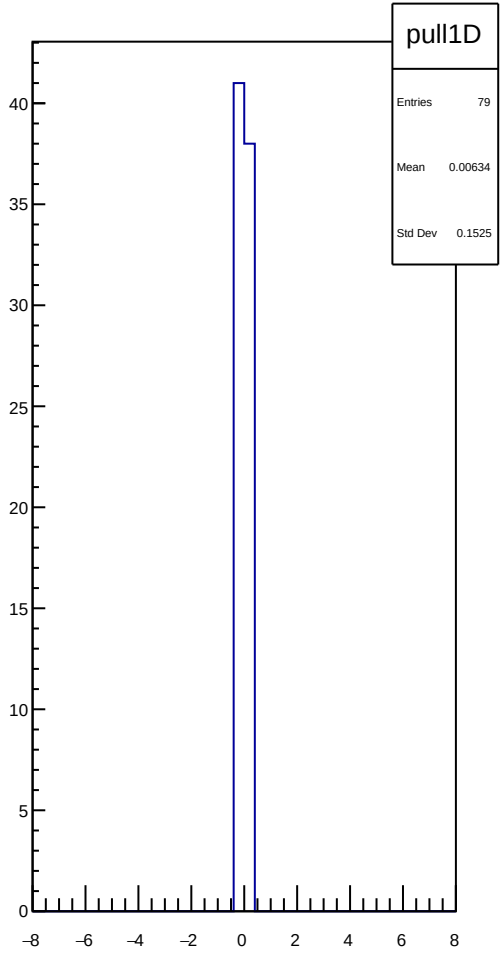

pull1D
Entries 79
Mean 0.01662
Std Dev 0.2967

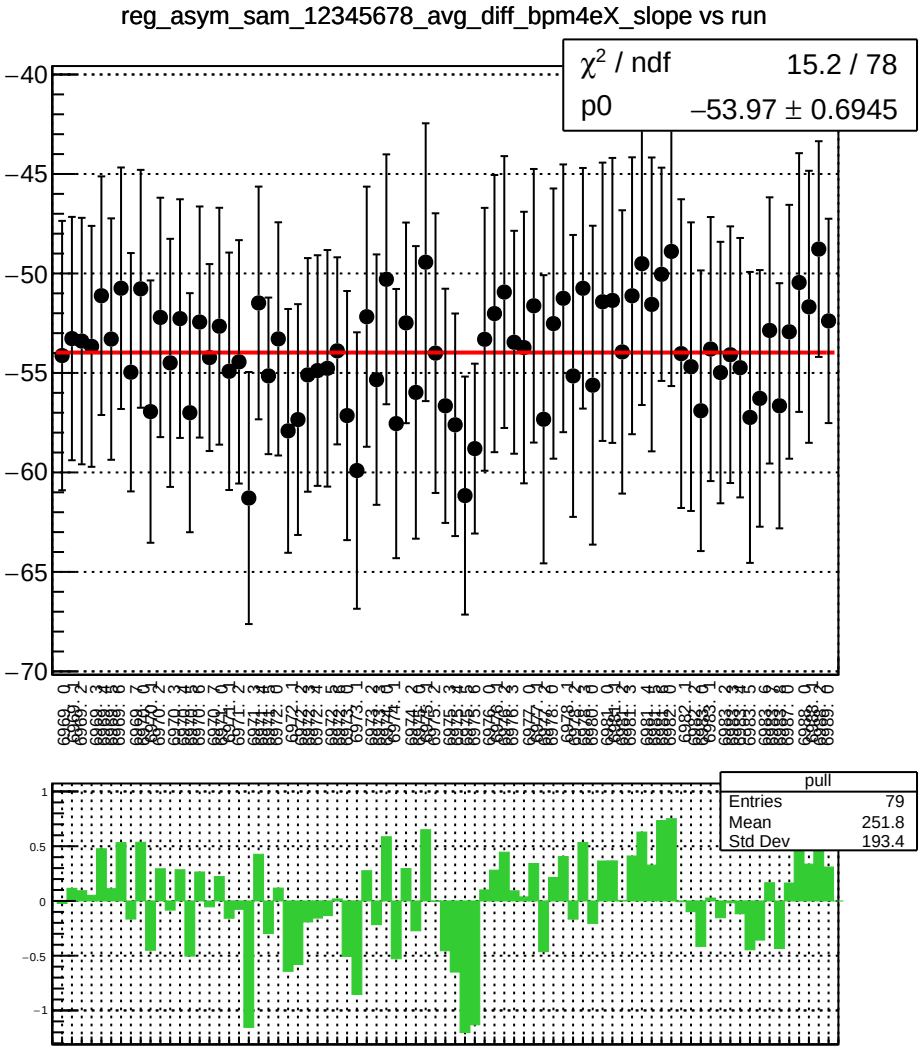

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 11.25 / 78
p0 −8.437 ± 0.755
pull
Entries 79
Mean 169.2
Std Dev 111.9

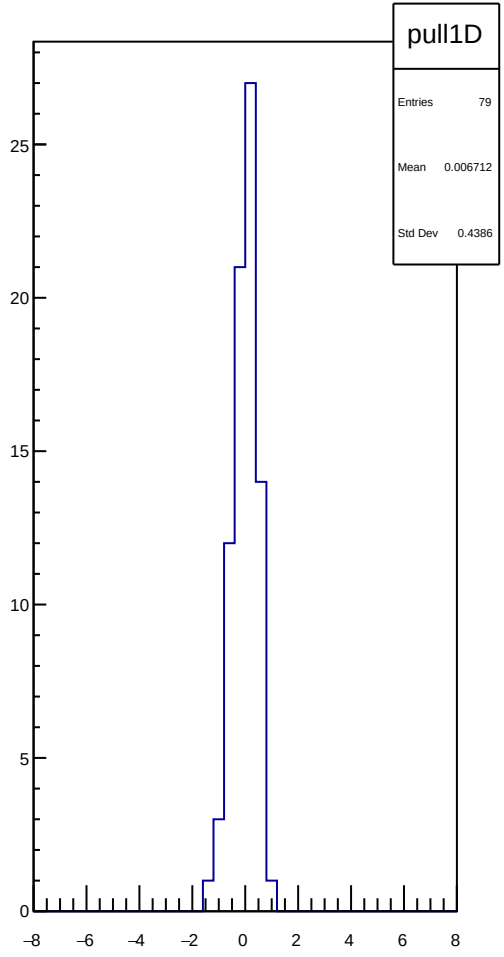

pull1D
Entries 79
Mean −0.01343
Std Dev 0.3771

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run

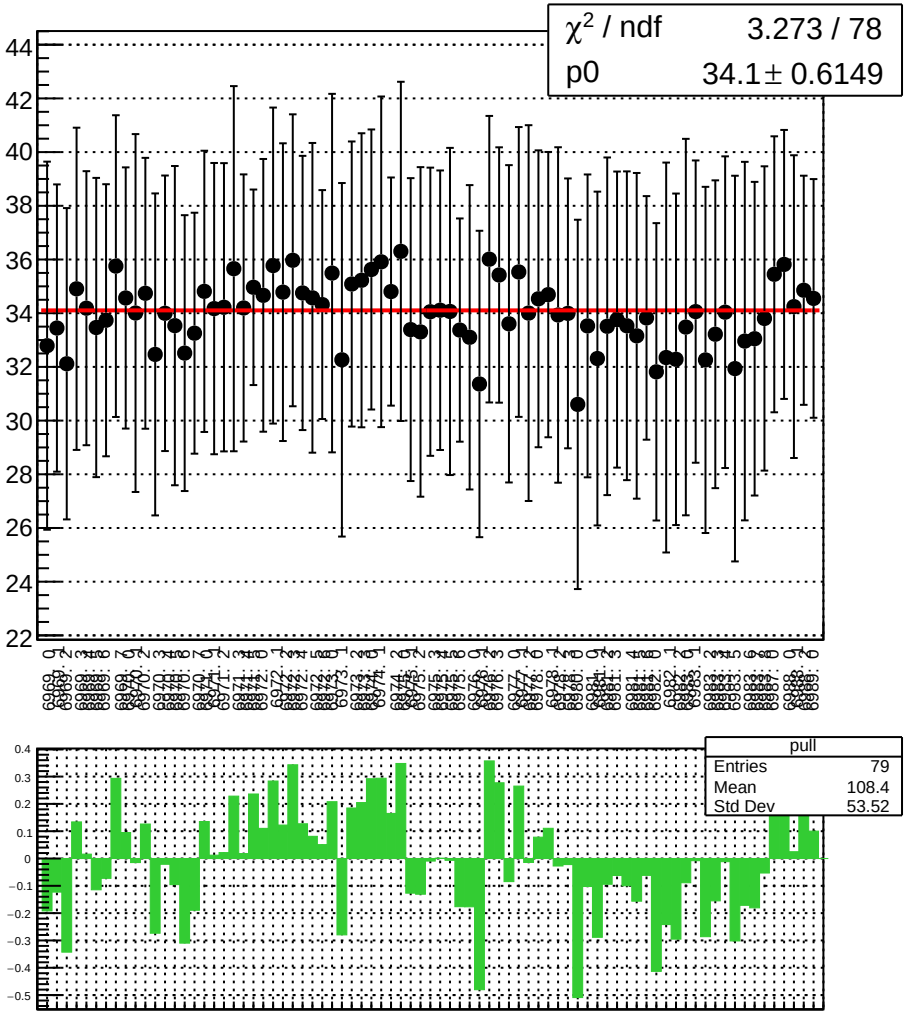


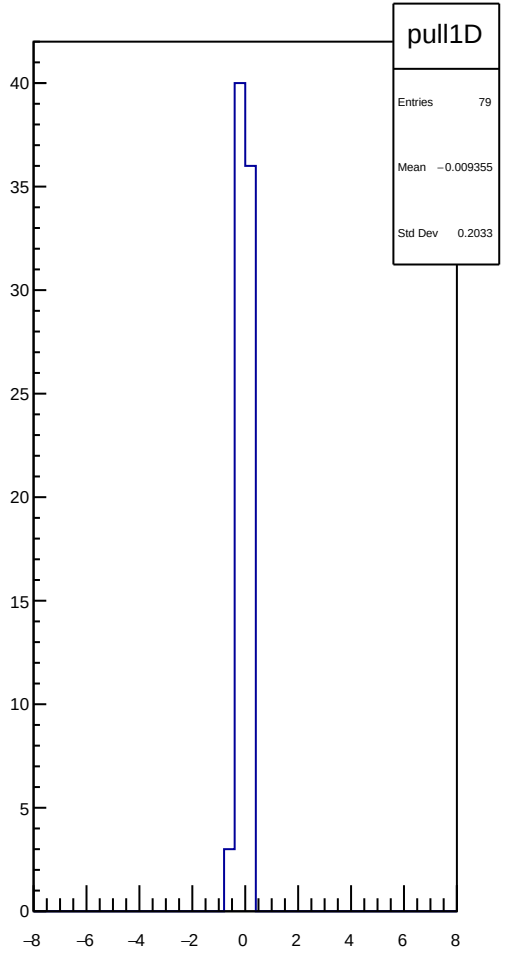



reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 15.2 / 78
p0 −53.97 ± 0.6945
pull
Entries 79
Mean 251.8
Std Dev 193.4

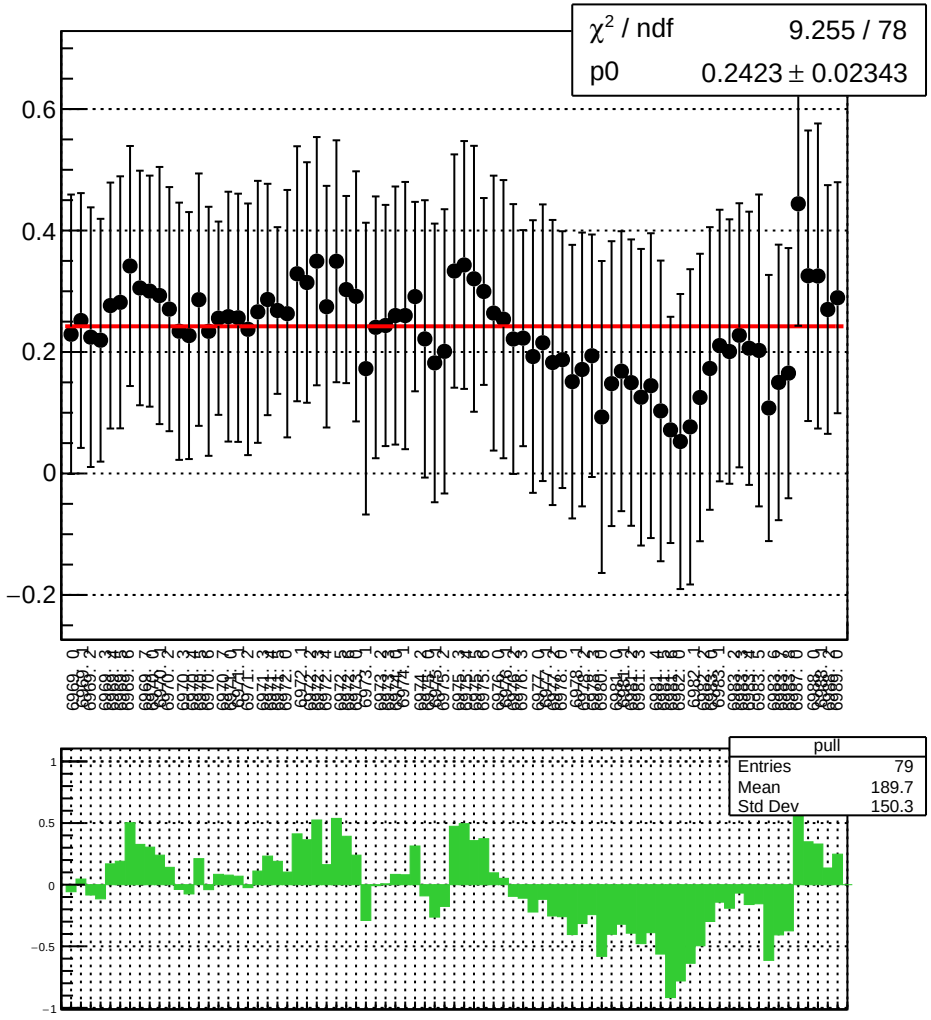

pull1D
Entries 79
Mean 0.006712
Std Dev 0.4386

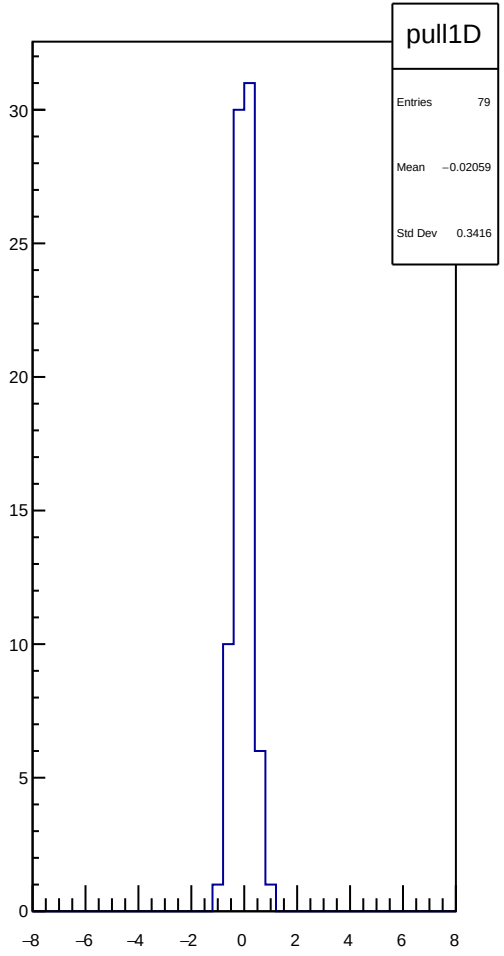
reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run

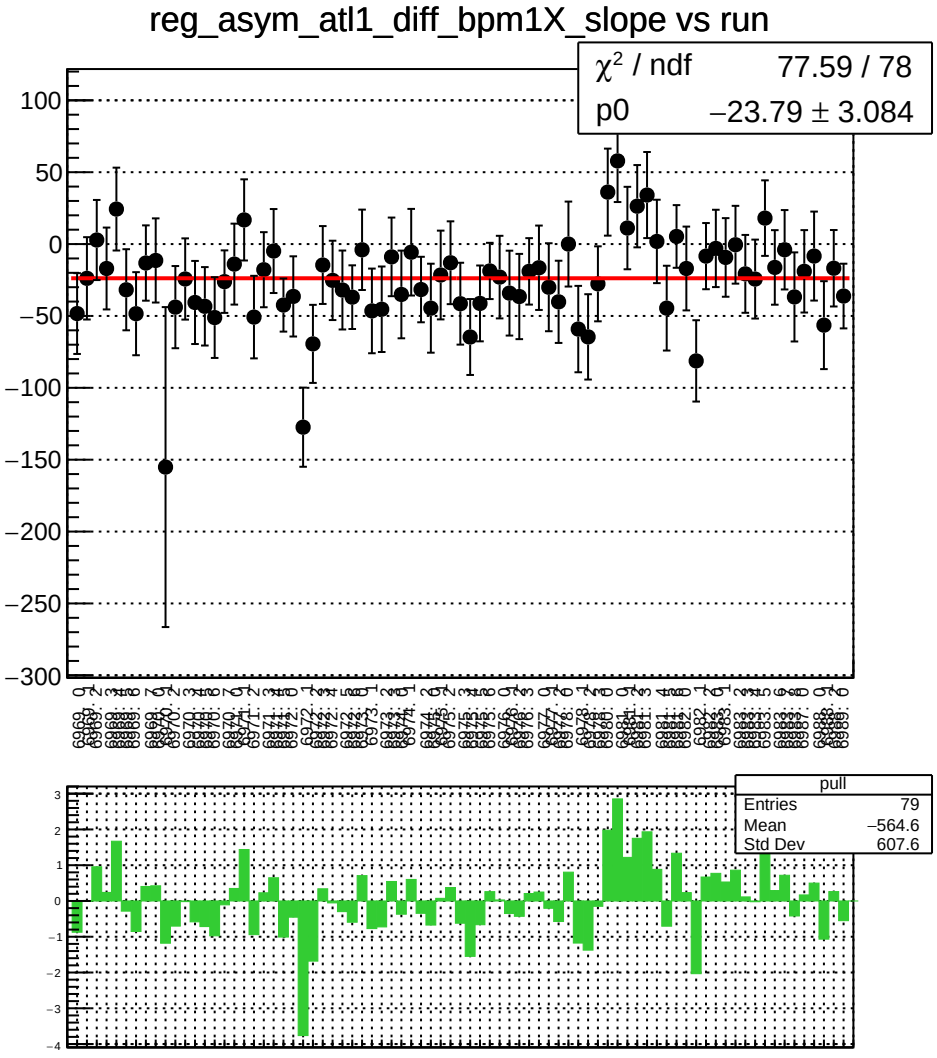


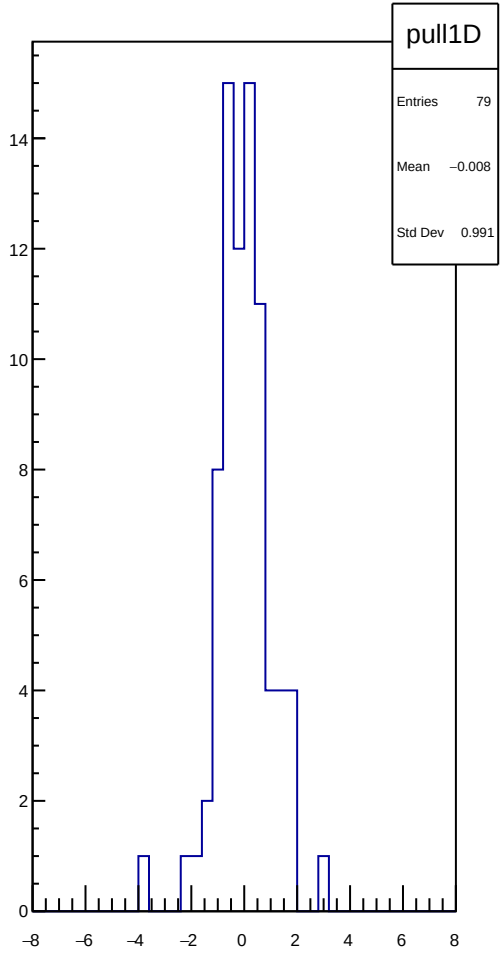


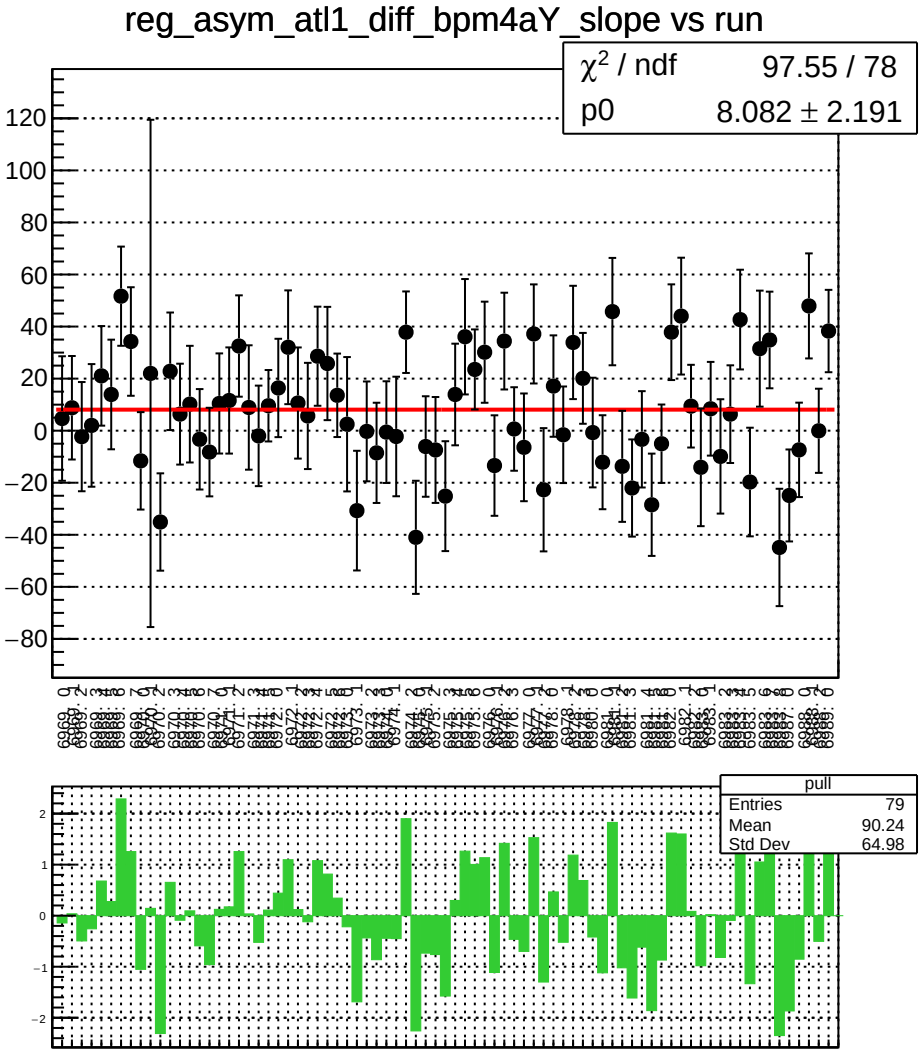
reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run

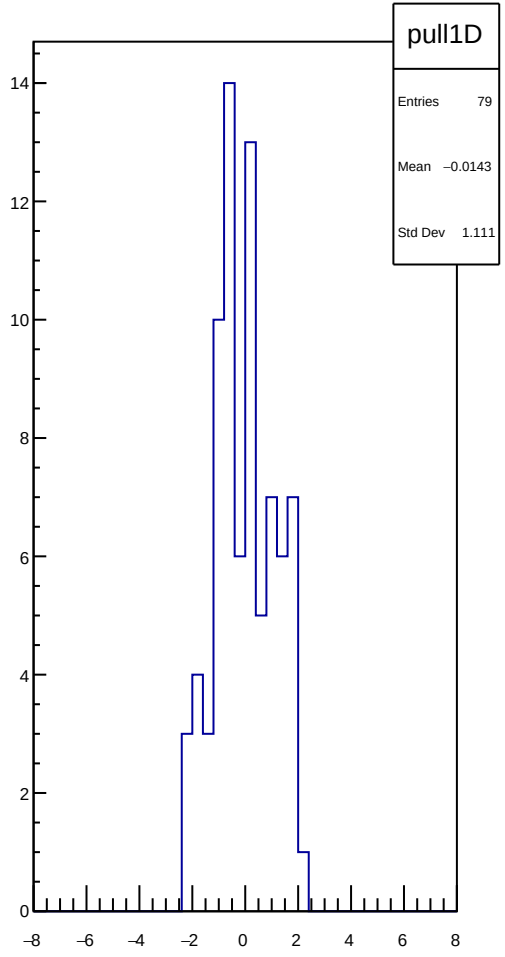


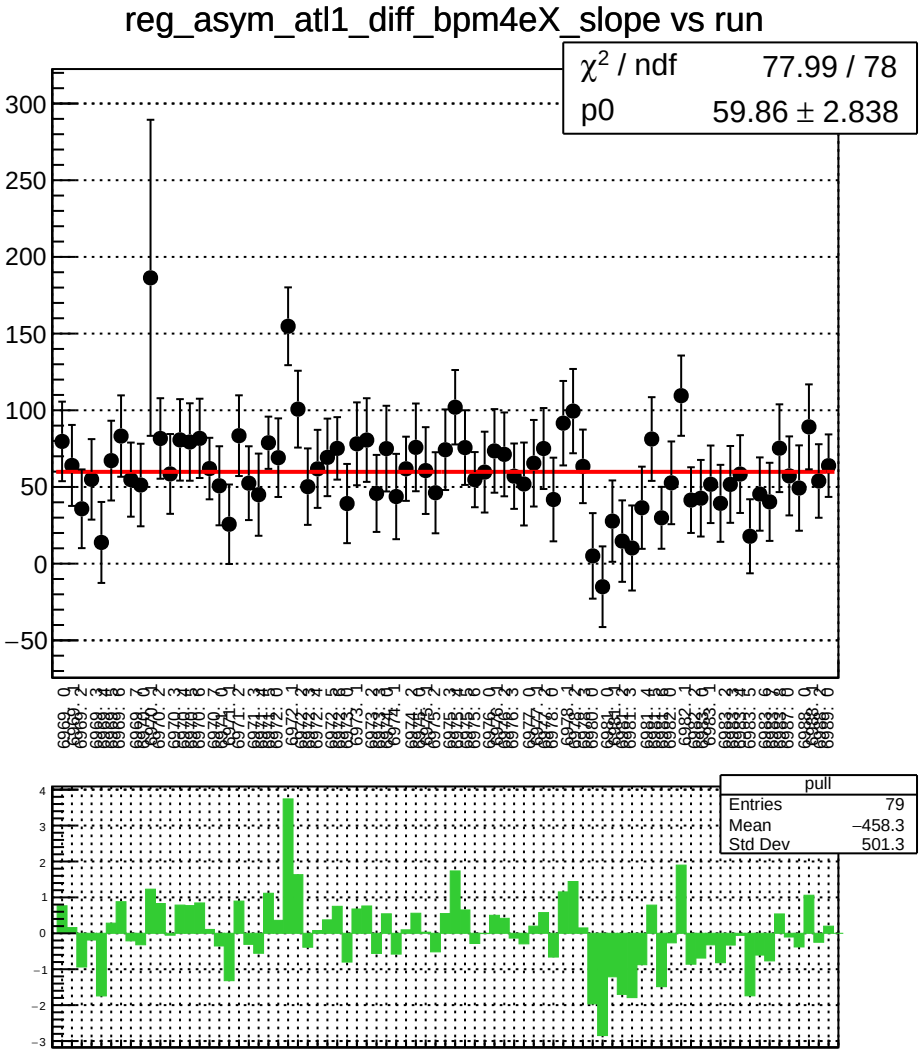


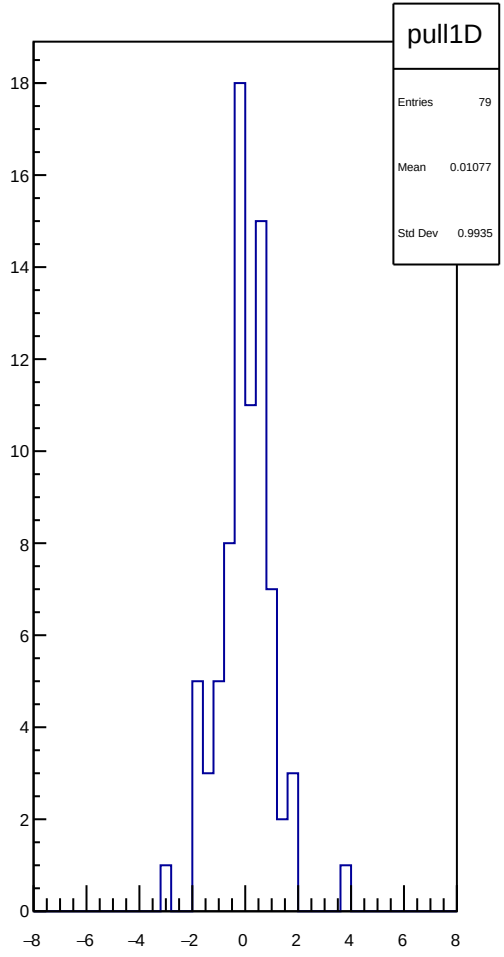

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 77.59 / 78
p0 −23.79 ± 3.084
pull
Entries 79
Mean −564.6
Std Dev 607.6

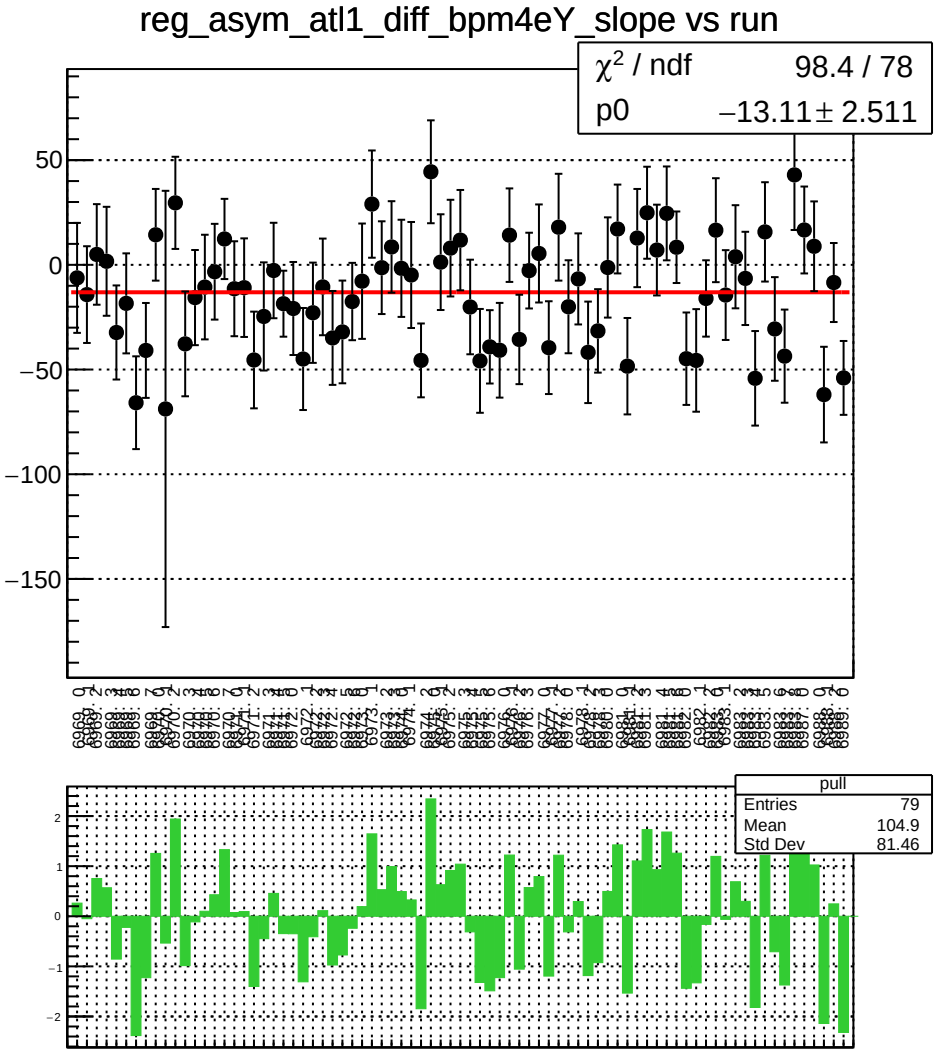

pull1D
Entries 79
Mean −0.008
Std Dev 0.991

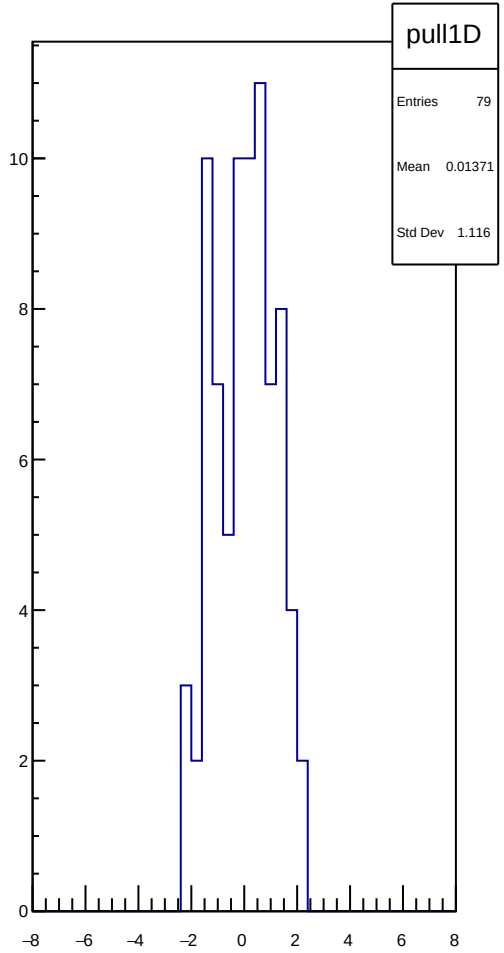

reg_asym_atl1_diff_bpm4aY_slope vs run
χ^2 / ndf 97.55 / 78
p0 8.082 ± 2.191
pull
Entries 79
Mean 90.24
Std Dev 64.98

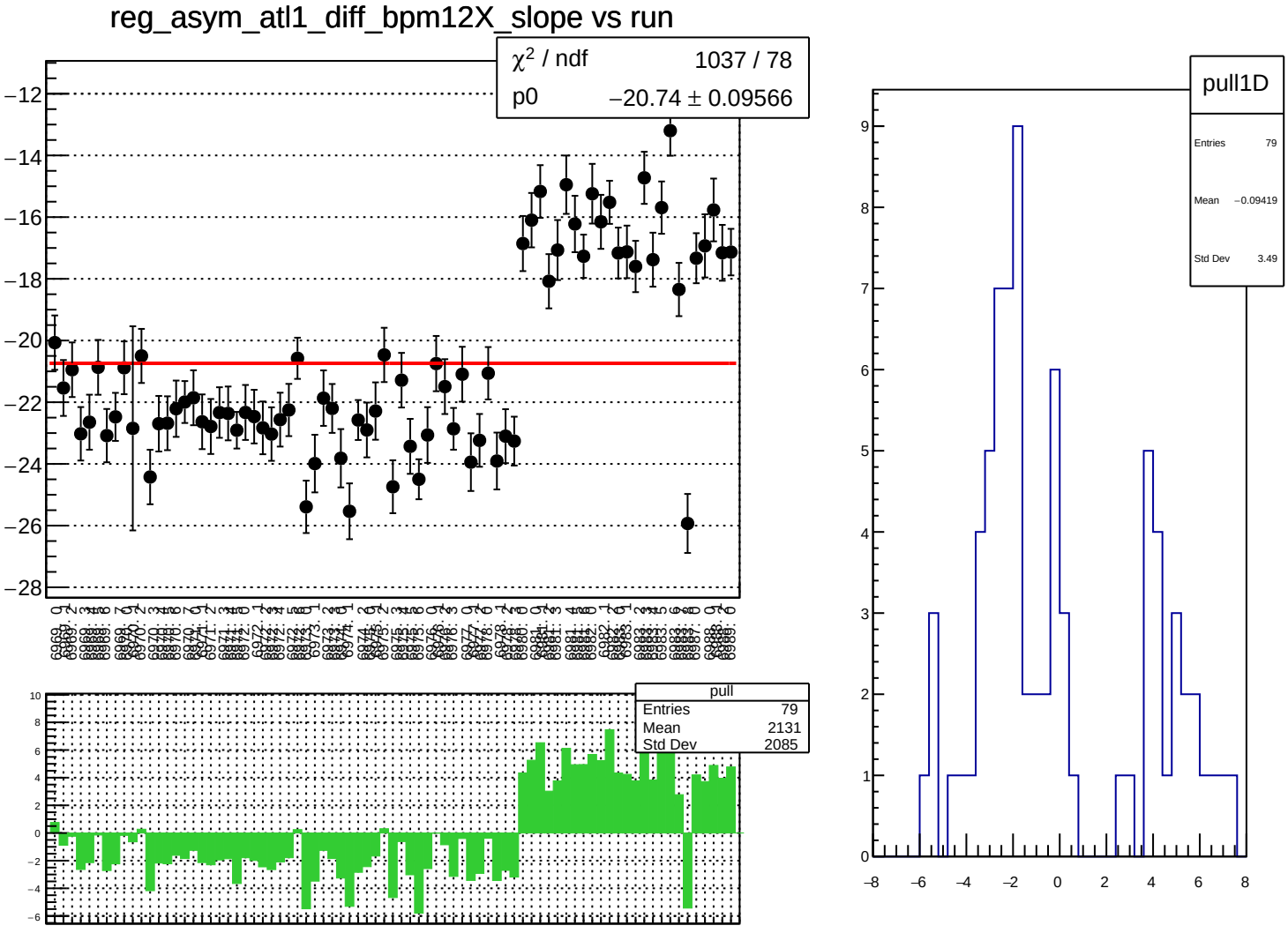

pull1D
Entries 79
Mean −0.0143
Std Dev 1.111

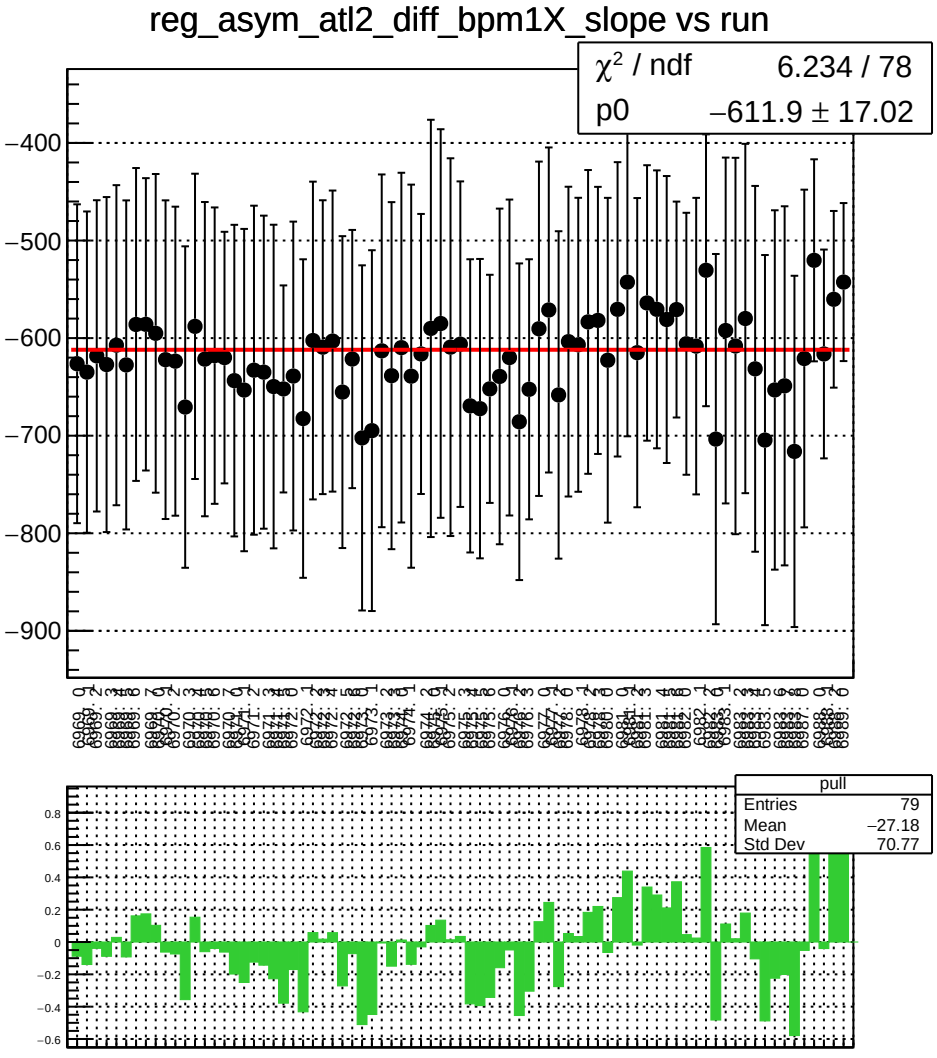

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 77.99 / 78
p0 59.86 ± 2.838
pull
Entries 79
Mean −458.3
Std Dev 501.3

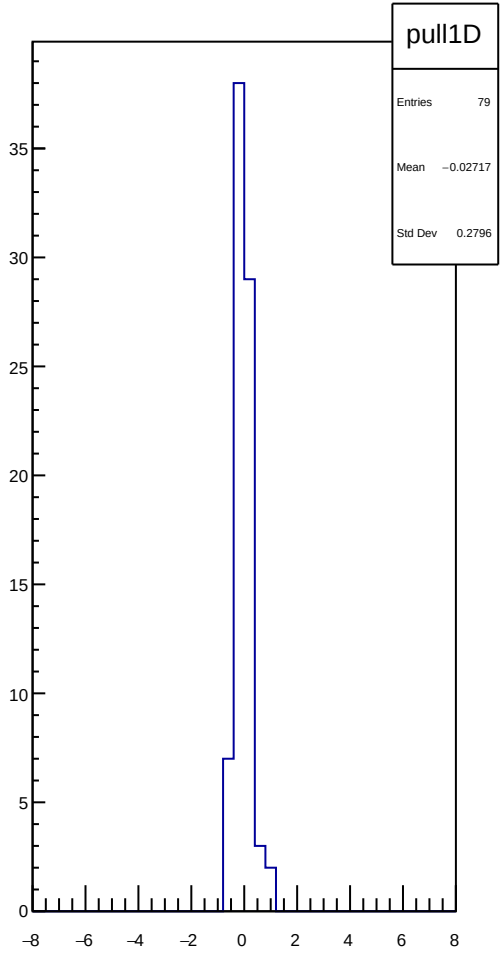

pull1D
Entries 79
Mean 0.01077
Std Dev 0.9935

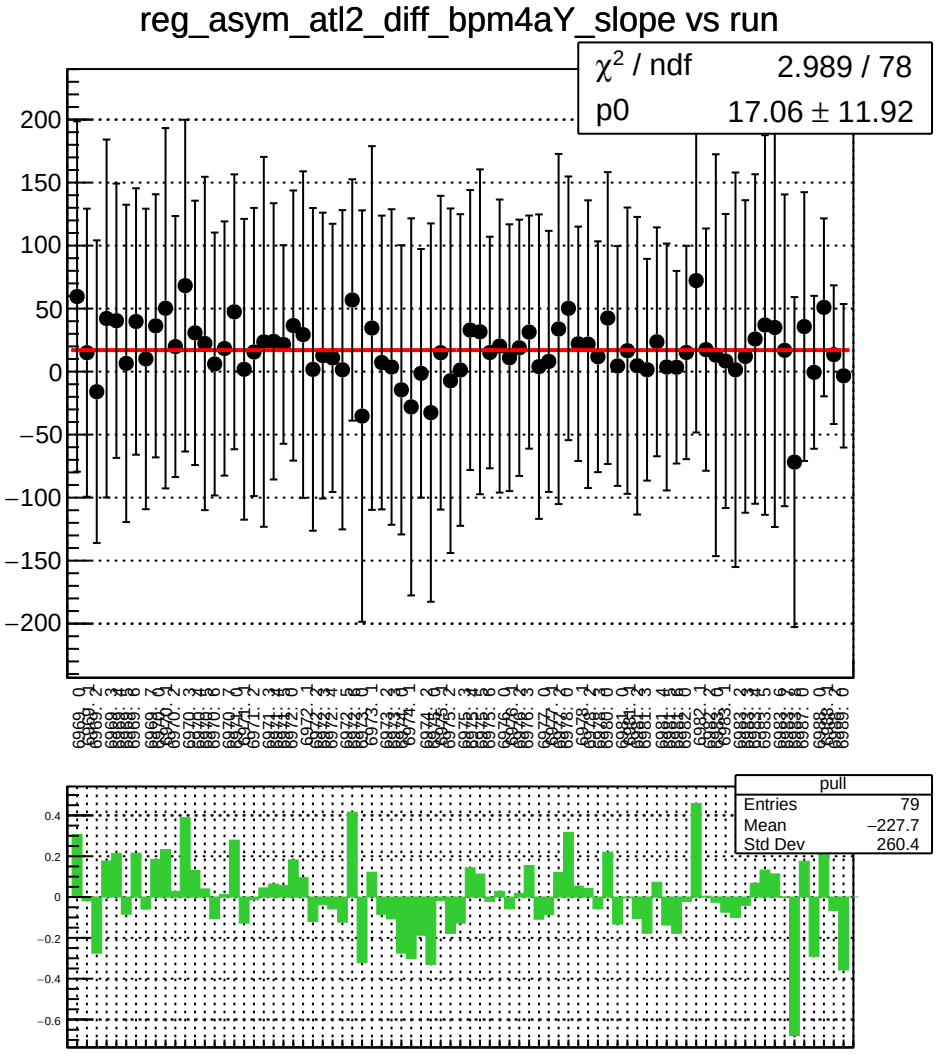

reg_asym_atl1_diff_bpm4eY_slope vs run
χ^2 / ndf 98.4 / 78
p0 −13.11 ± 2.511
pull
Entries 79
Mean 104.9
Std Dev 81.46

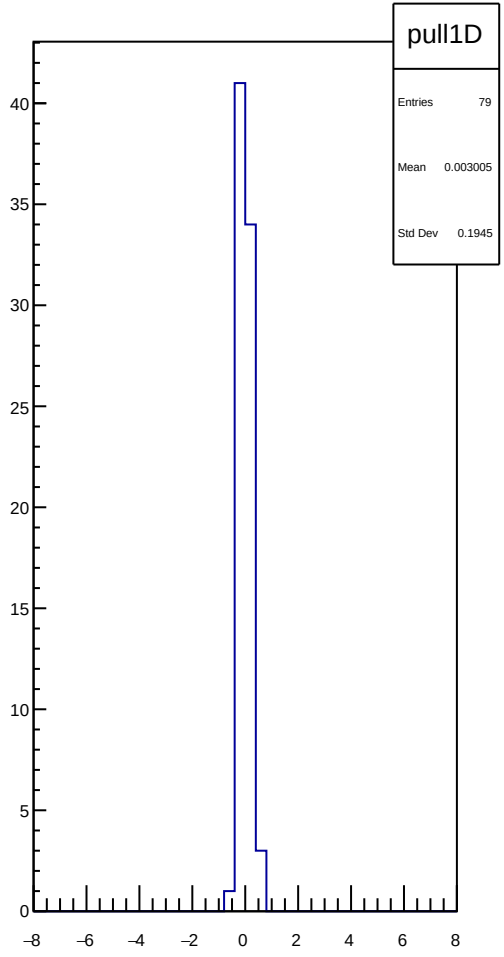

pull1D
Entries 79
Mean 0.01371
Std Dev 1.116

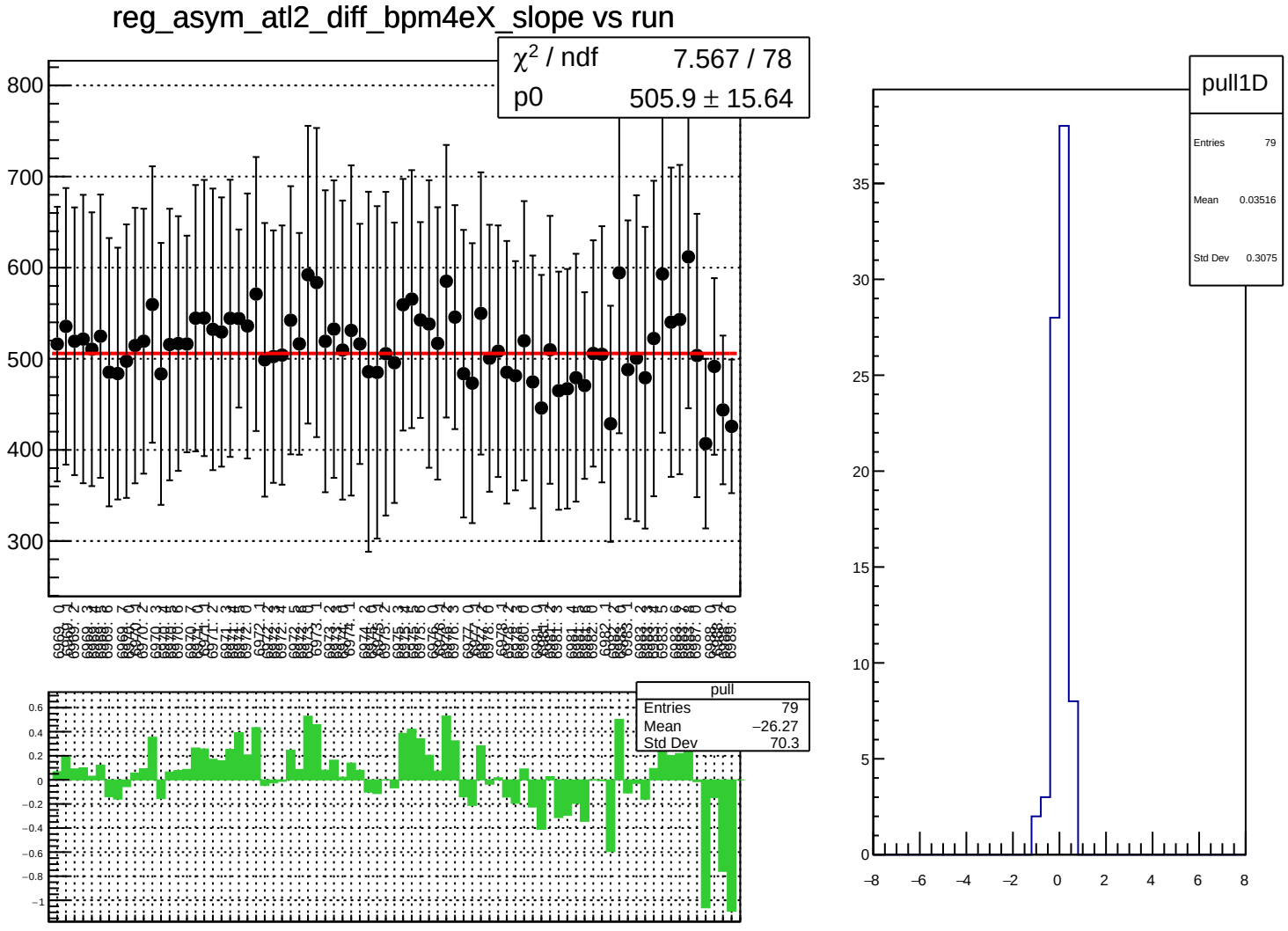

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 1037 / 78
p0 −20.74 ± 0.09566
pull
Entries 79
Mean 2131
Std Dev 2085
pull1D
Entries 79
Mean −0.09419
Std Dev 3.49

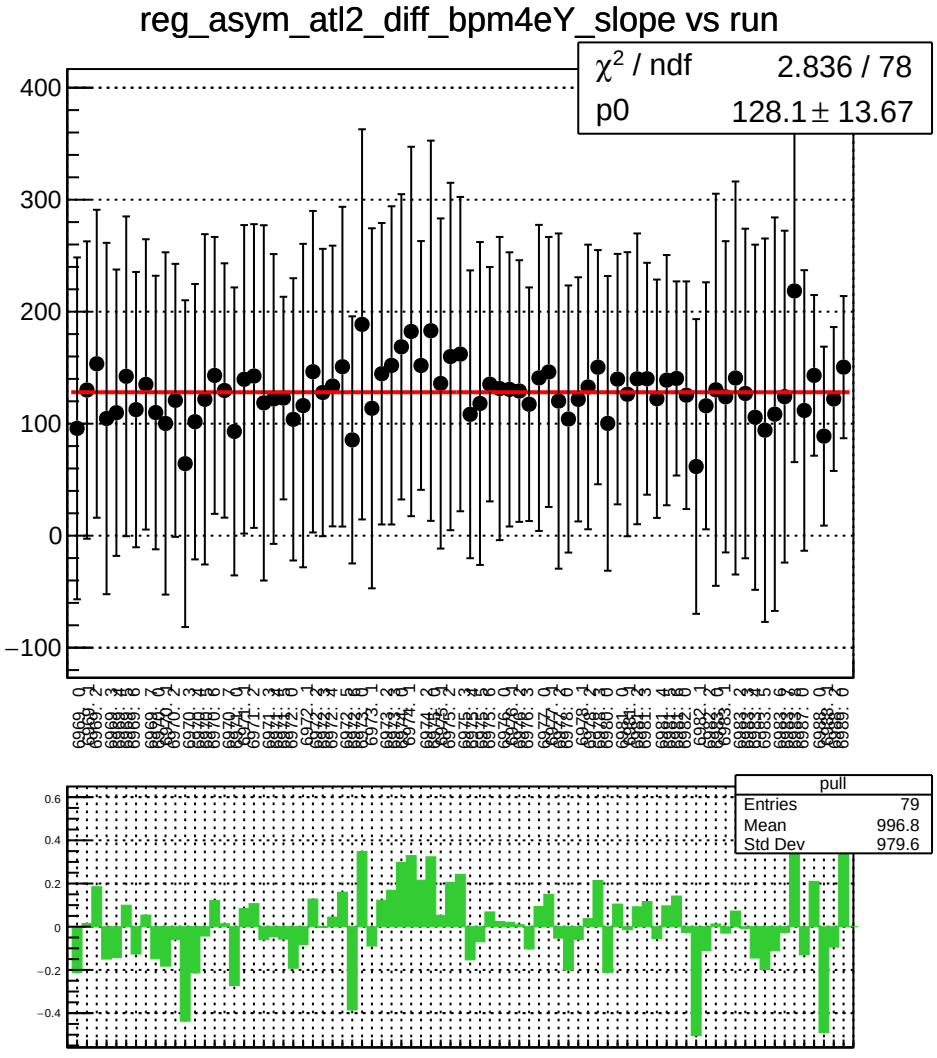

reg_asym_atl2_diff_bpm1X_slope vs run
χ^2 / ndf 6.234 / 78
p0 −611.9 ± 17.02
pull
Entries 79
Mean −27.18
Std Dev 70.77

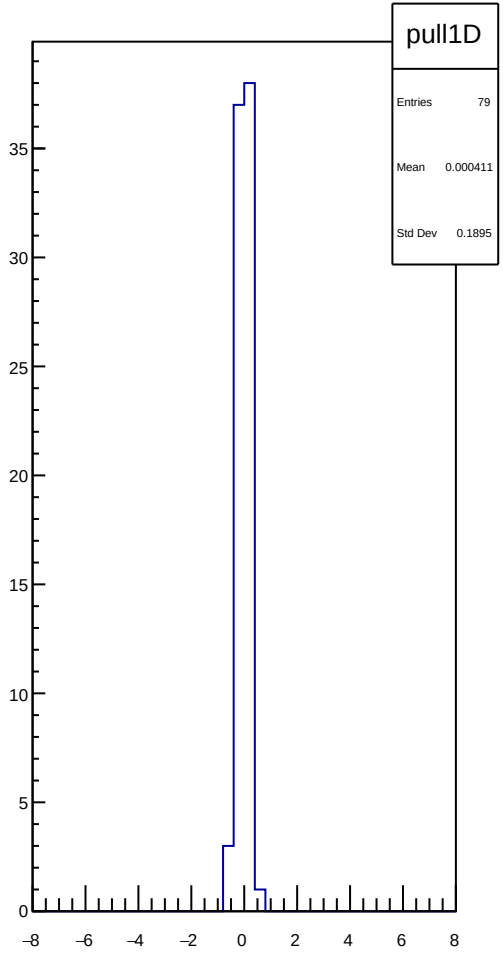

pull1D
Entries 79
Mean −0.02717
Std Dev 0.2796

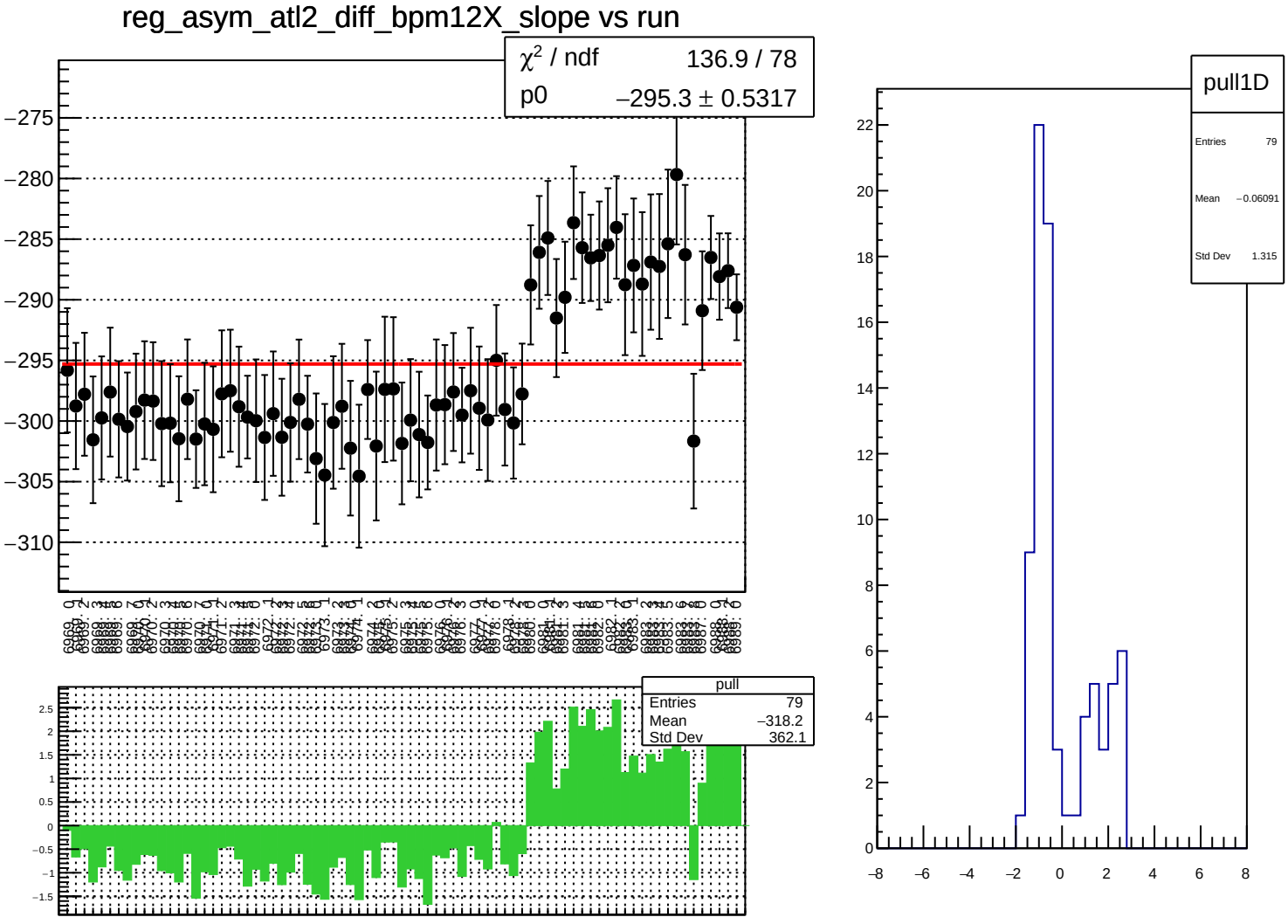

reg_asym_atl2_diff_bpm4aY_slope vs run
χ^2 / ndf 2.989 / 78
p0 17.06 ± 11.92
pull
Entries 79
Mean −227.7
Std Dev 260.4

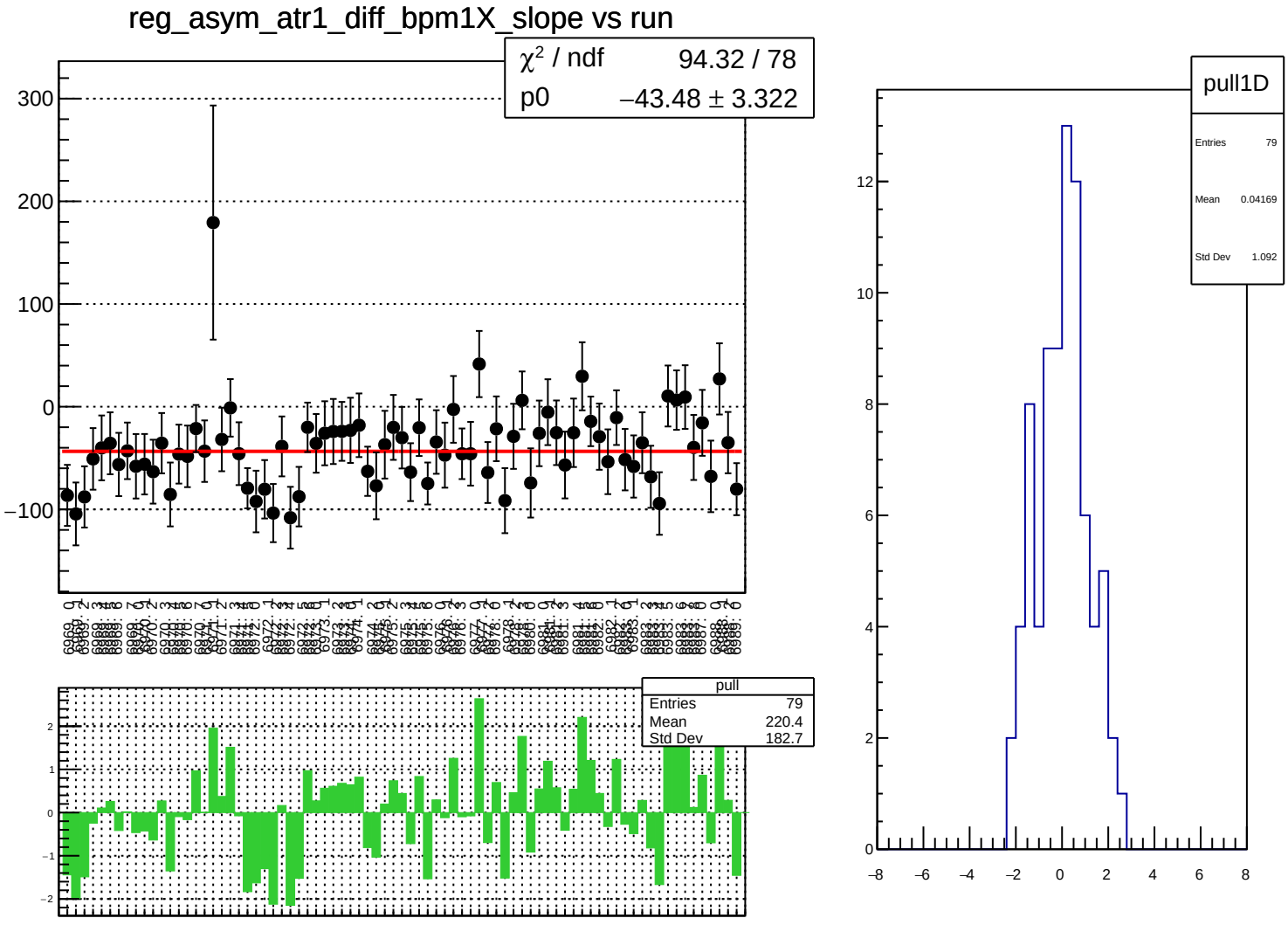

pull1D
Entries 79
Mean 0.003005
Std Dev 0.1945

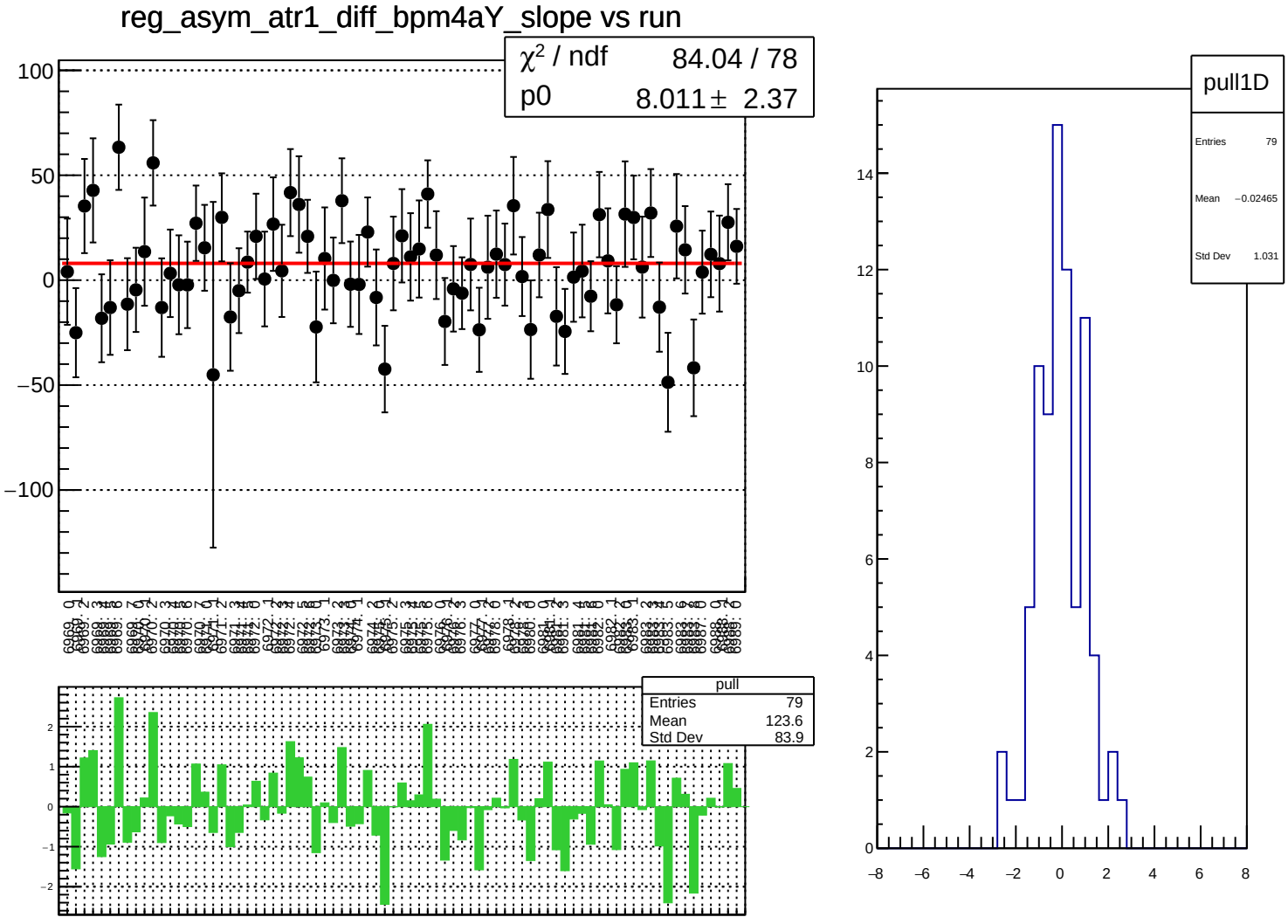

reg_asym_atl2_diff_bpm4eX_slope vs run
χ^2 / ndf 7.567 / 78
p0 505.9 ± 15.64
pull
Entries 79
Mean −26.27
Std Dev 70.3
pull1D
Entries 79
Mean 0.03516
Std Dev 0.3075

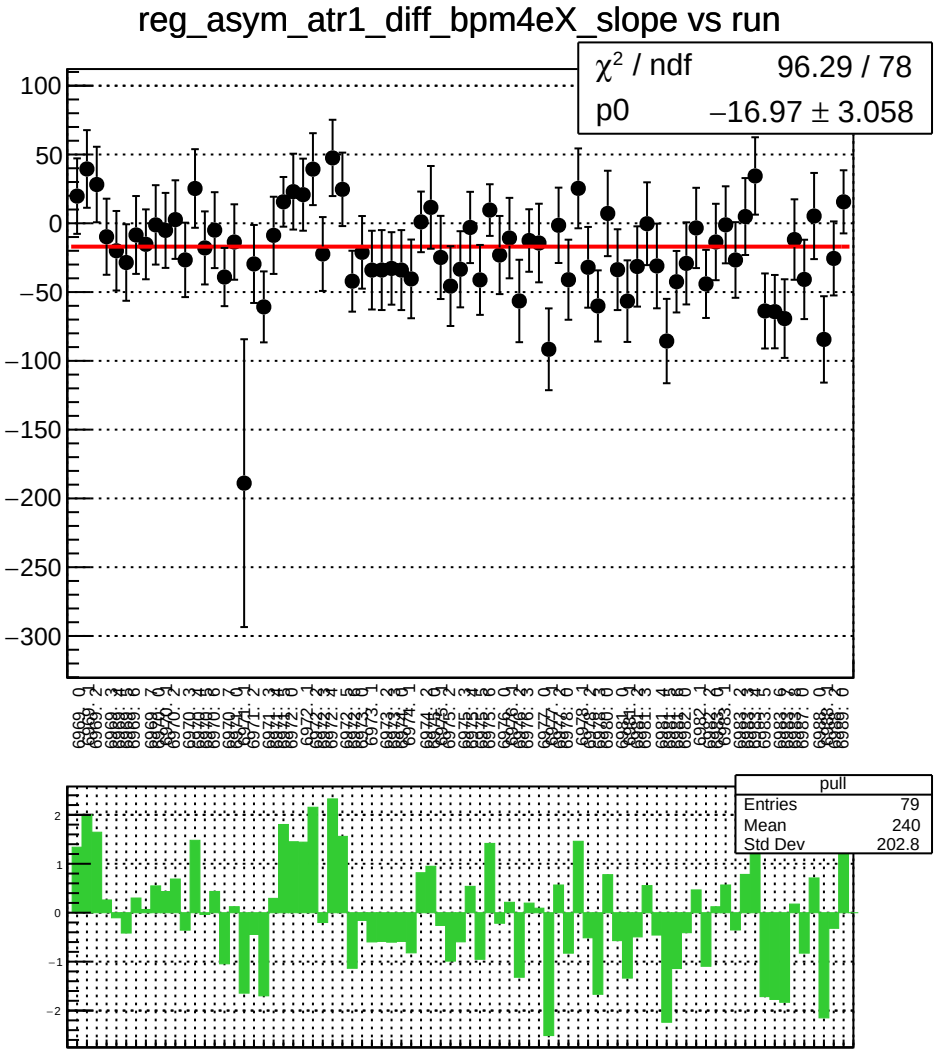

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 2.836 / 78
p0 128.1 ± 13.67
pull
Entries 79
Mean 996.8
Std Dev 979.6

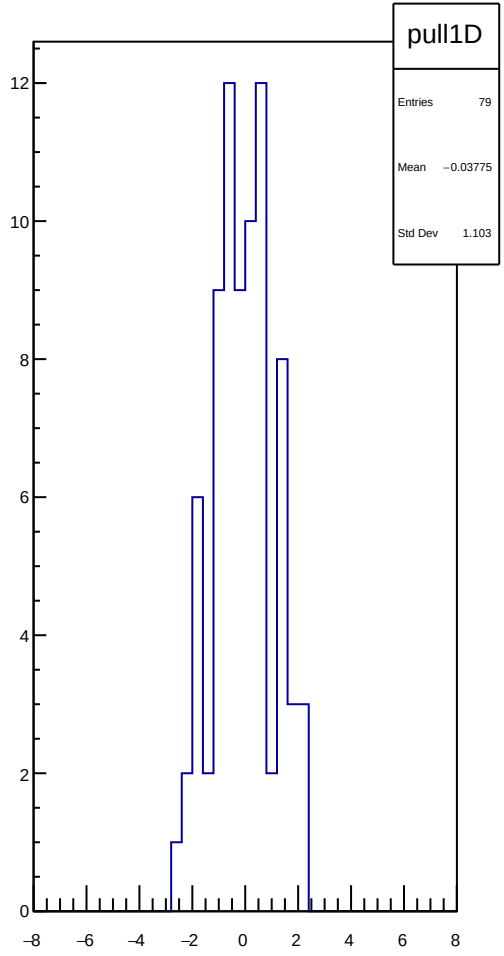

pull1D
Entries 79
Mean 0.000411
Std Dev 0.1895

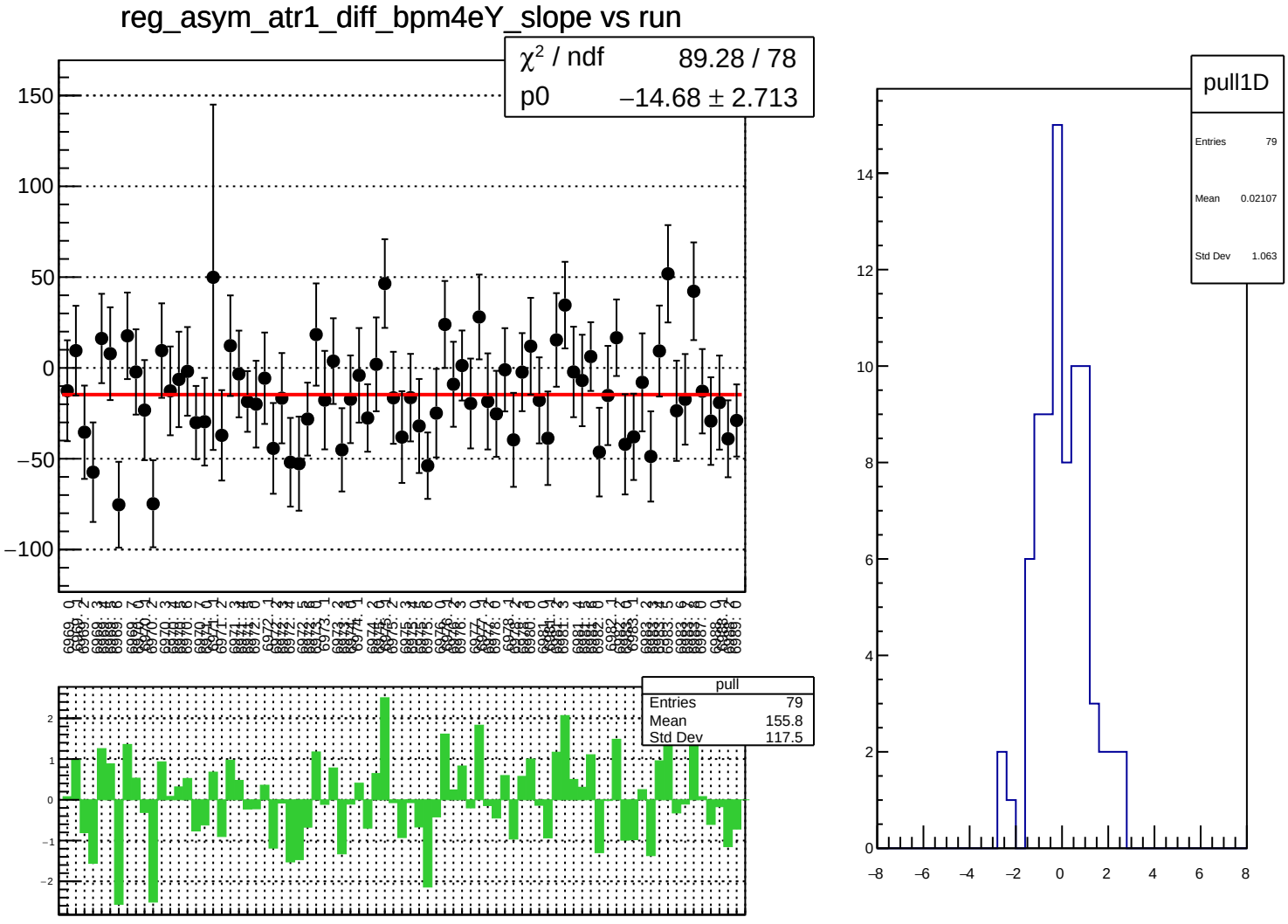

reg_asym_atl2_diff_bpm12X_slope vs run
χ^2 / ndf 136.9 / 78
p0 −295.3 ± 0.5317
pull
Entries 79
Mean −318.2
Std Dev 362.1
pull1D
Entries 79
Mean −0.06091
Std Dev 1.315

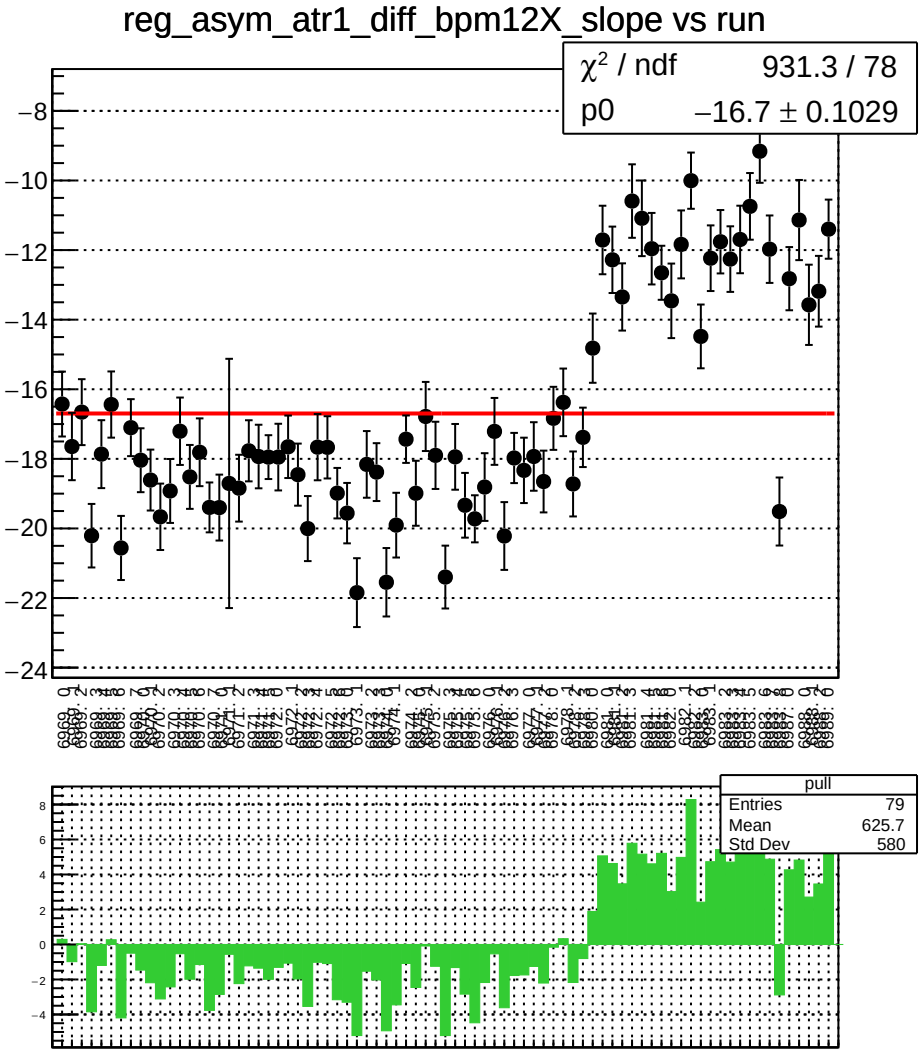

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 94.32 / 78
p0 −43.48 ± 3.322
pull
Entries 79
Mean 220.4
Std Dev 182.7
pull1D
Entries 79
Mean 0.04169
Std Dev 1.092

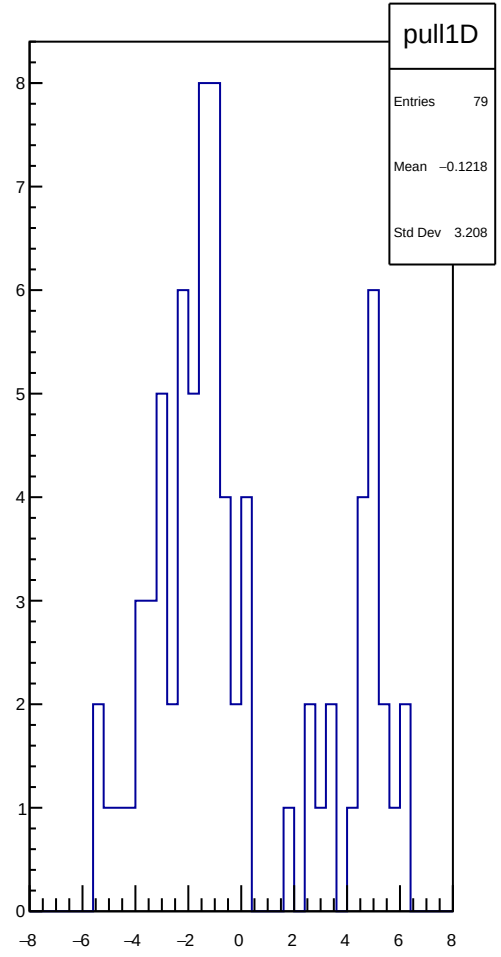

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 84.04 / 78
p0 8.011 ± 2.37
pull
Entries 79
Mean 123.6
Std Dev 83.9
pull1D
Entries 79
Mean −0.02465
Std Dev 1.031

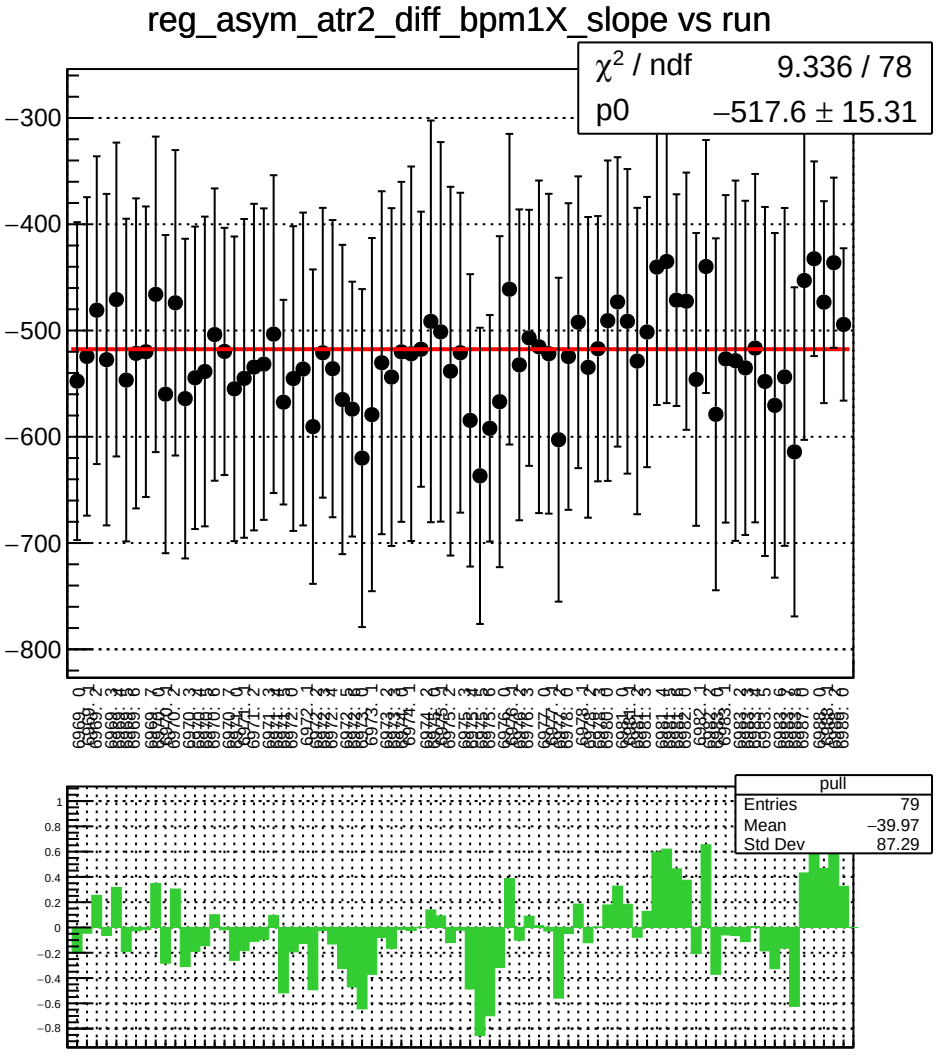

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 96.29 / 78
p0 −16.97 ± 3.058
pull
Entries 79
Mean 240
Std Dev 202.8

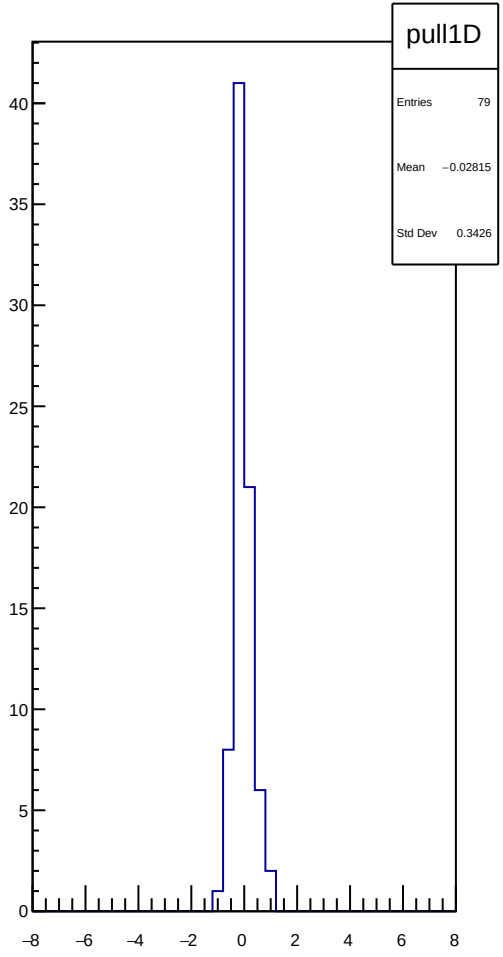

pull1D
Entries 79
Mean −0.03775
Std Dev 1.103

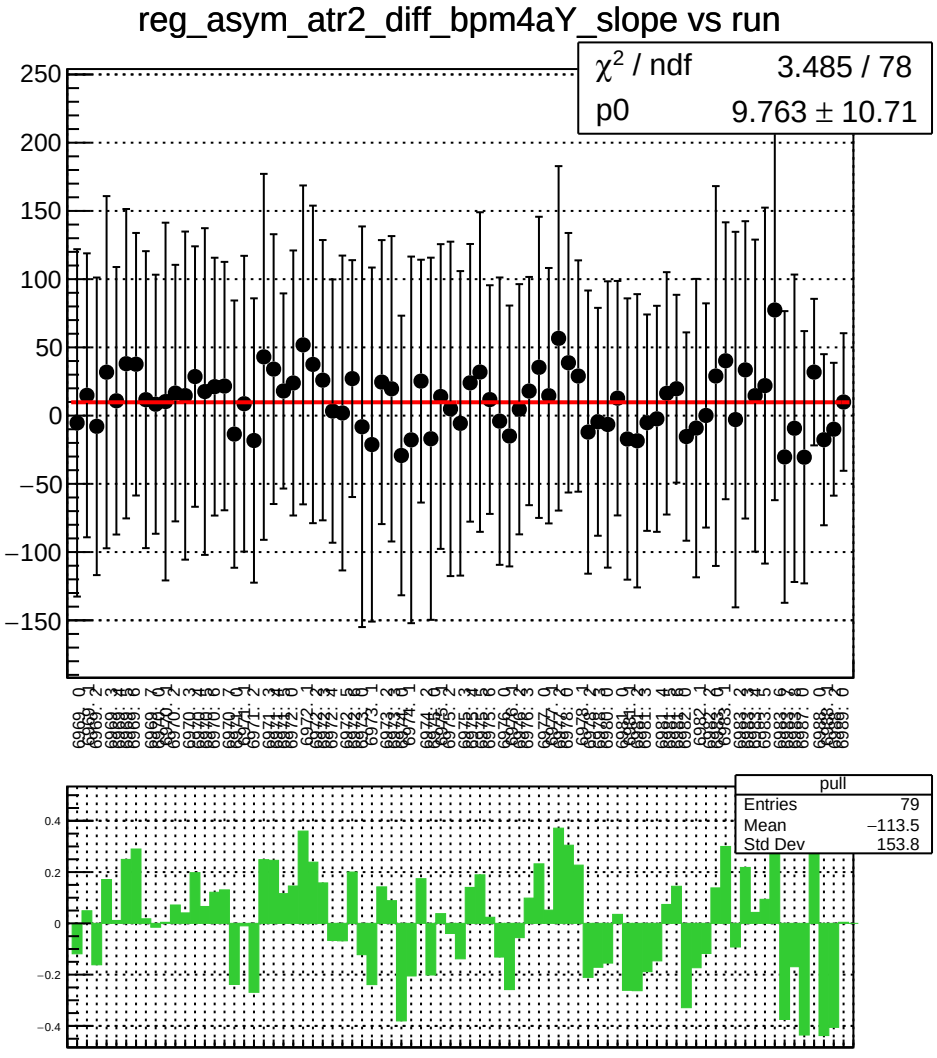

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 89.28 / 78
p0 −14.68 ± 2.713
pull
Entries 79
Mean 155.8
Std Dev 117.5
pull1D
Entries 79
Mean 0.02107
Std Dev 1.063

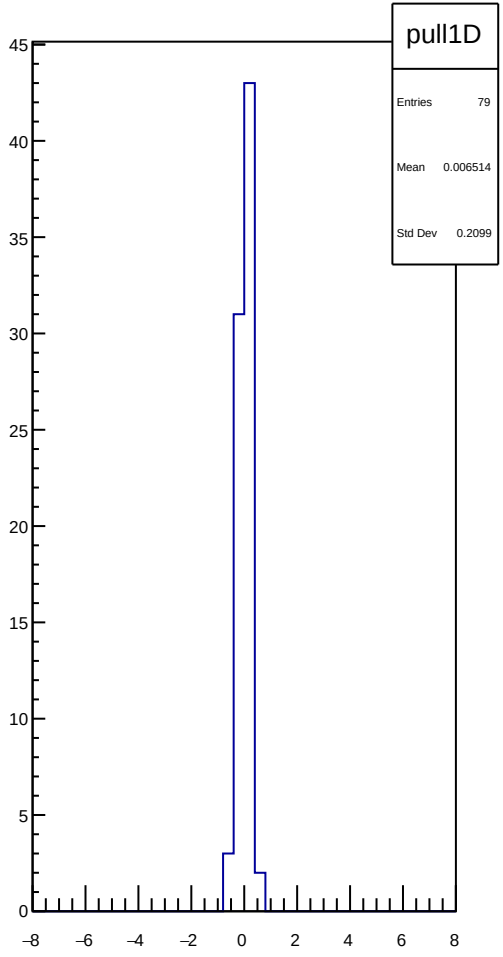

reg_asym_atr1_diff_bpm12X_slope vs run
χ^2 / ndf 931.3 / 78
p0 −16.7 ± 0.1029
pull
Entries 79
Mean 625.7
Std Dev 580

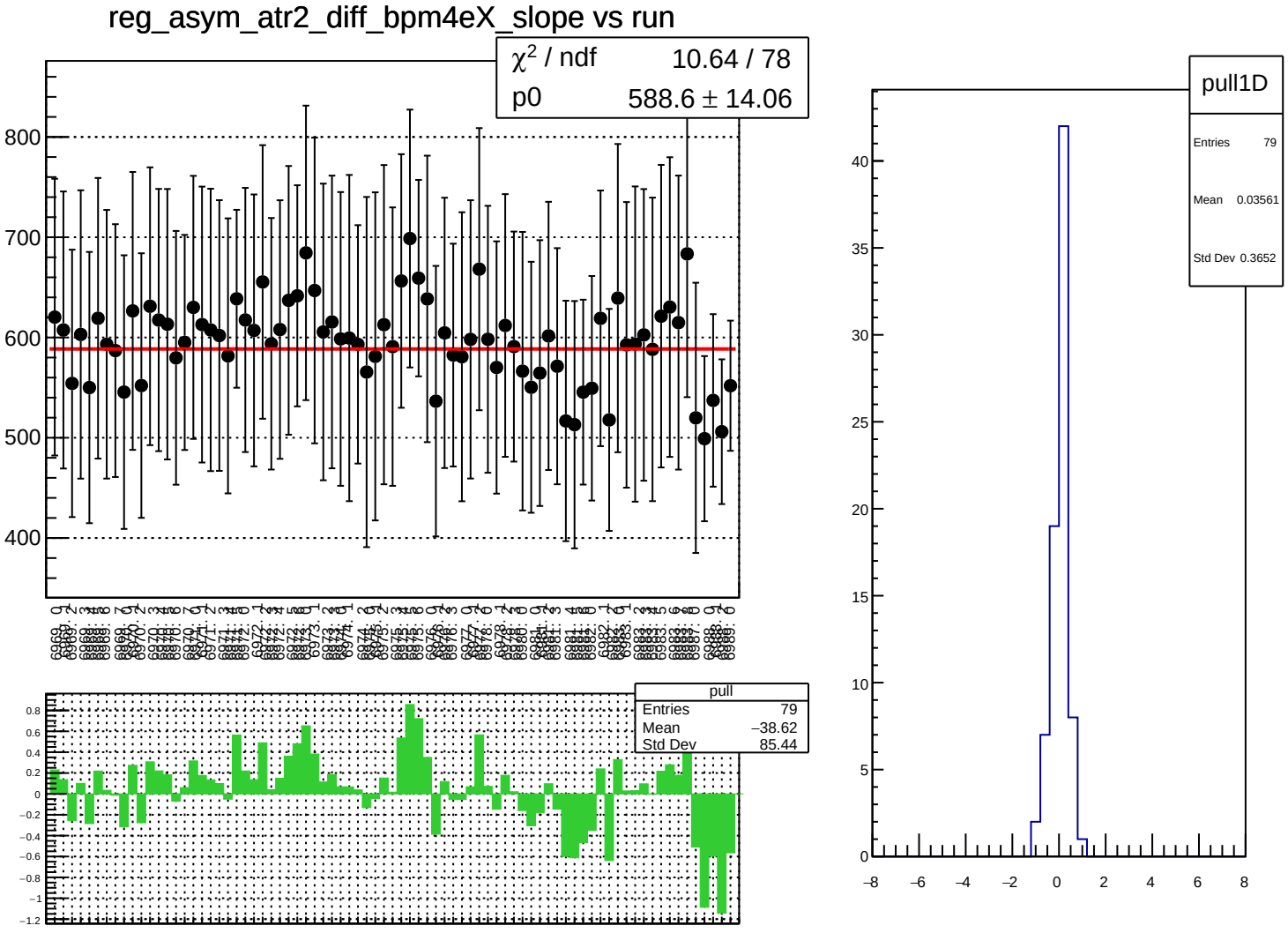

pull1D
Entries 79
Mean −0.1218
Std Dev 3.208

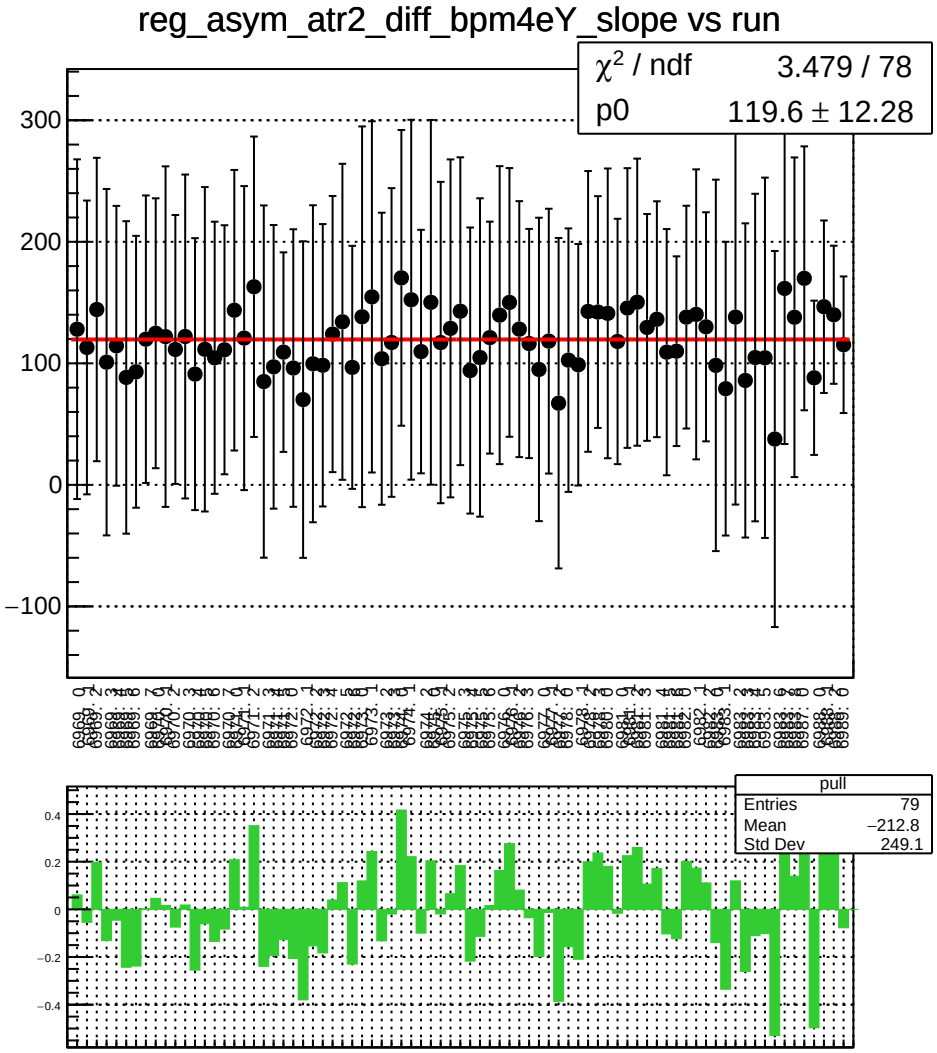

reg_asym_atr2_diff_bpm1X_slope vs run
χ^2 / ndf 9.336 / 78
p0 −517.6 ± 15.31
pull
Entries 79
Mean −39.97
Std Dev 87.29

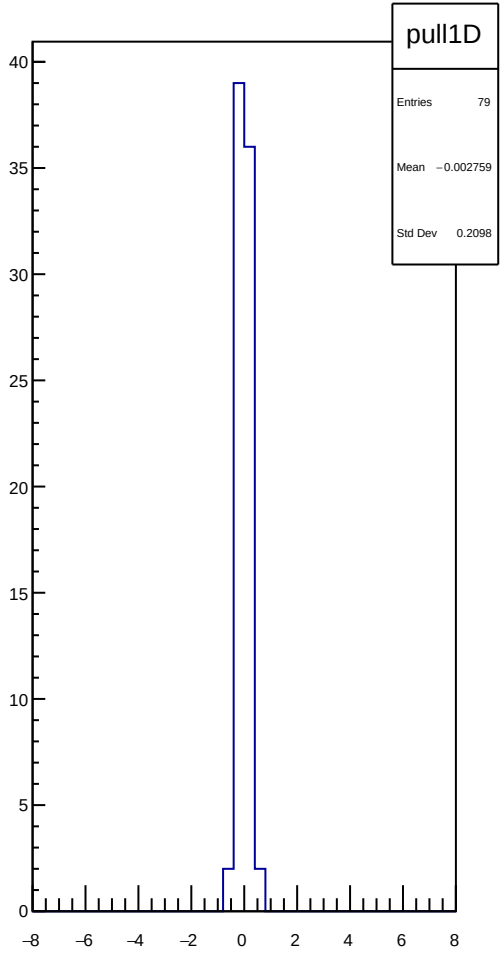

pull1D
Entries 79
Mean −0.02815
Std Dev 0.3426

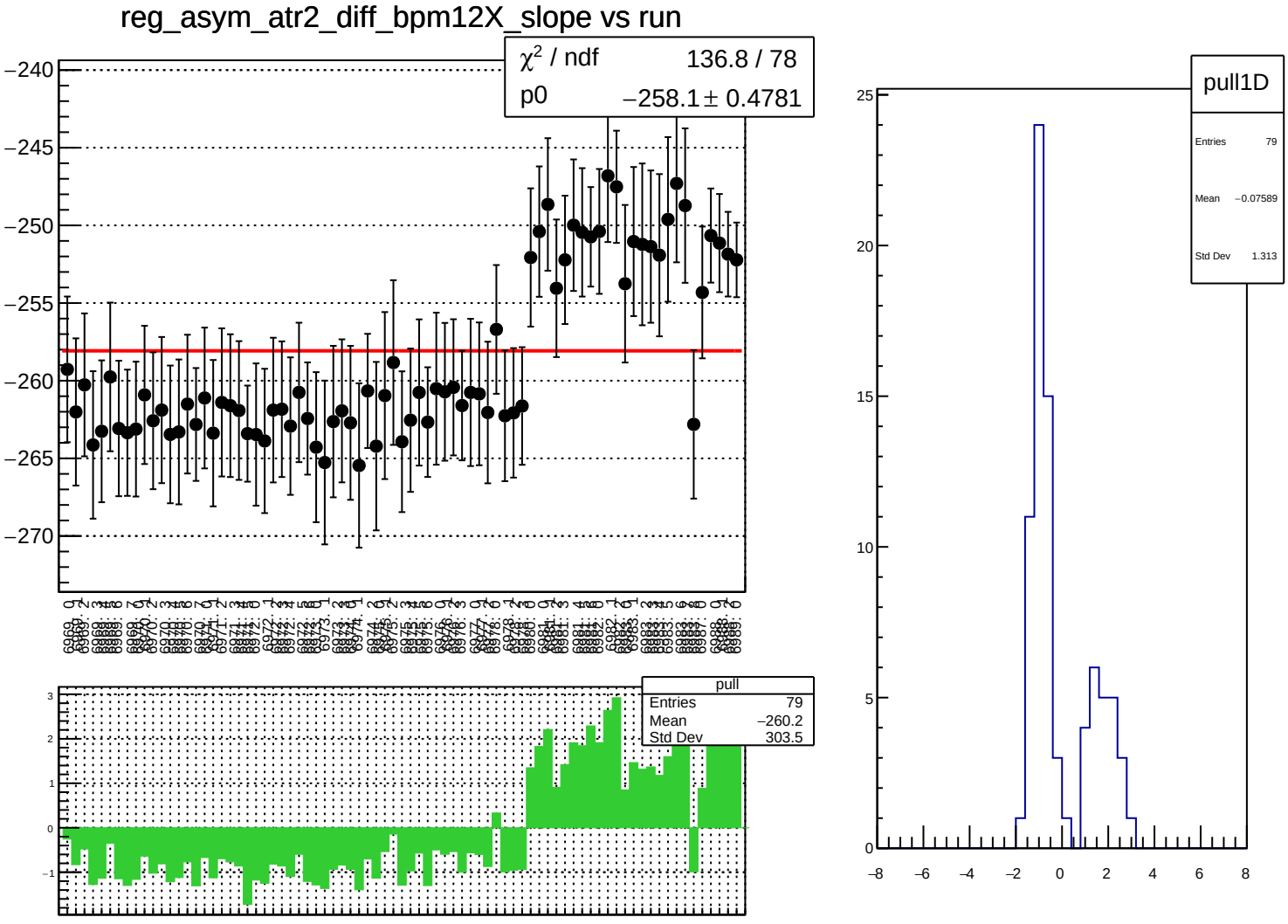

reg_asym_atr2_diff_bpm4aY_slope vs run
χ^2 / ndf 3.485 / 78
p0 9.763 ± 10.71
pull
Entries 79
Mean −113.5
Std Dev 153.8

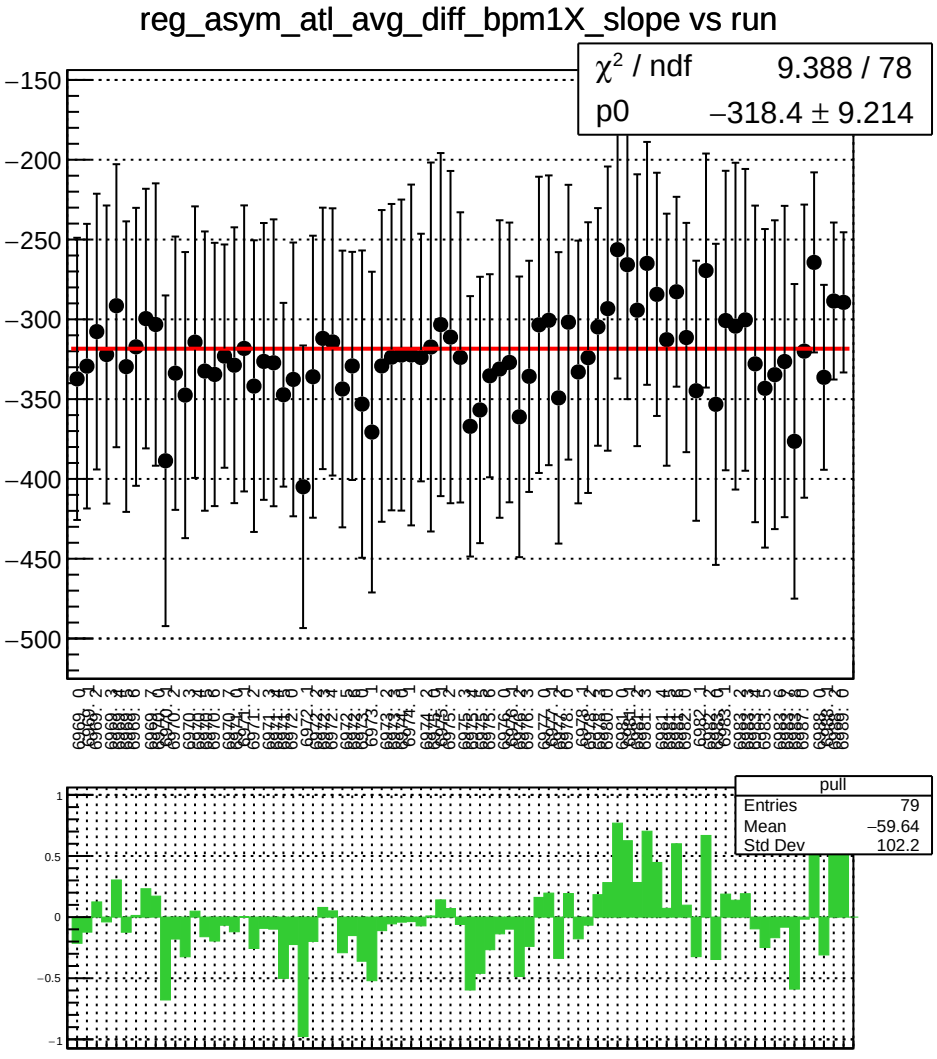

pull1D
Entries 79
Mean 0.006514
Std Dev 0.2099

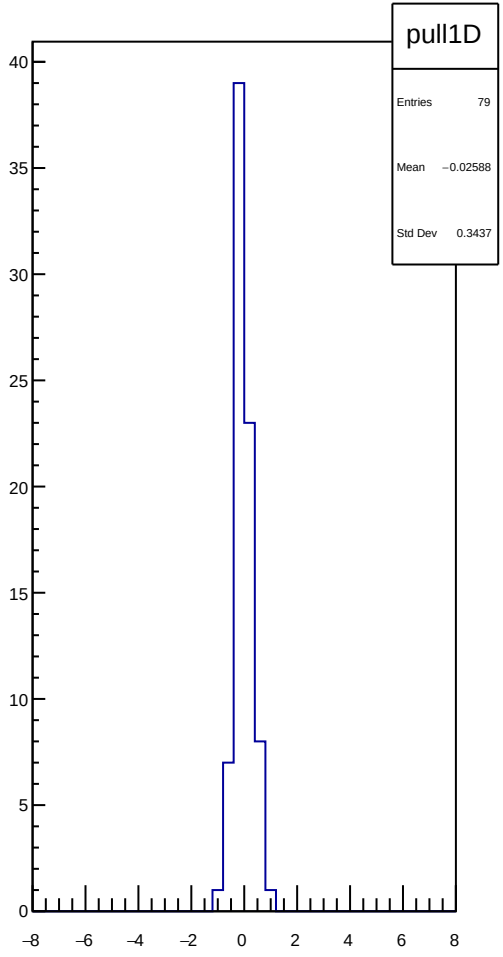

reg_asym_atr2_diff_bpm4eX_slope vs run
χ^2 / ndf 10.64 / 78
p0 588.6 ± 14.06
pull
Entries 79
Mean −38.62
Std Dev 85.44
pull1D
Entries 79
Mean 0.03561
Std Dev 0.3652

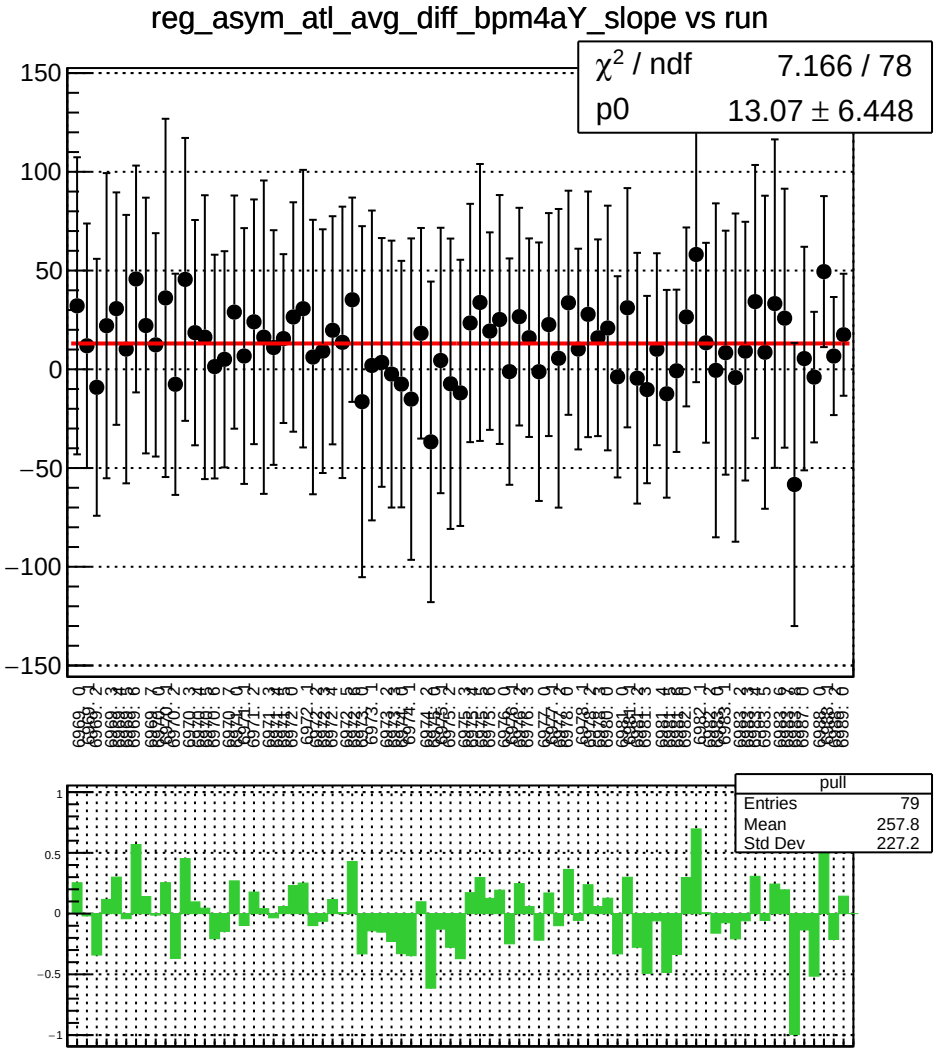

reg_asym_atr2_diff_bpm4eY_slope vs run
χ^2 / ndf 3.479 / 78
p0 119.6 ± 12.28
pull
Entries 79
Mean −212.8
Std Dev 249.1

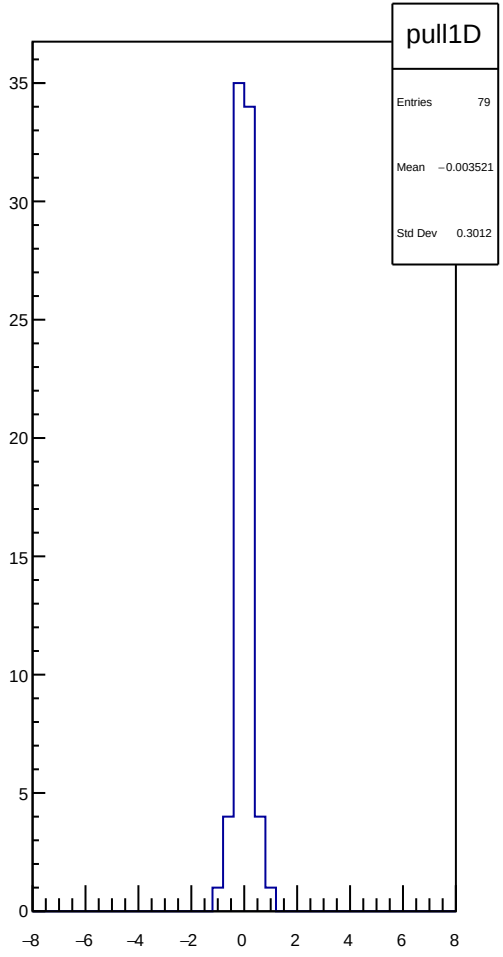

pull1D
Entries 79
Mean −0.002759
Std Dev 0.2098

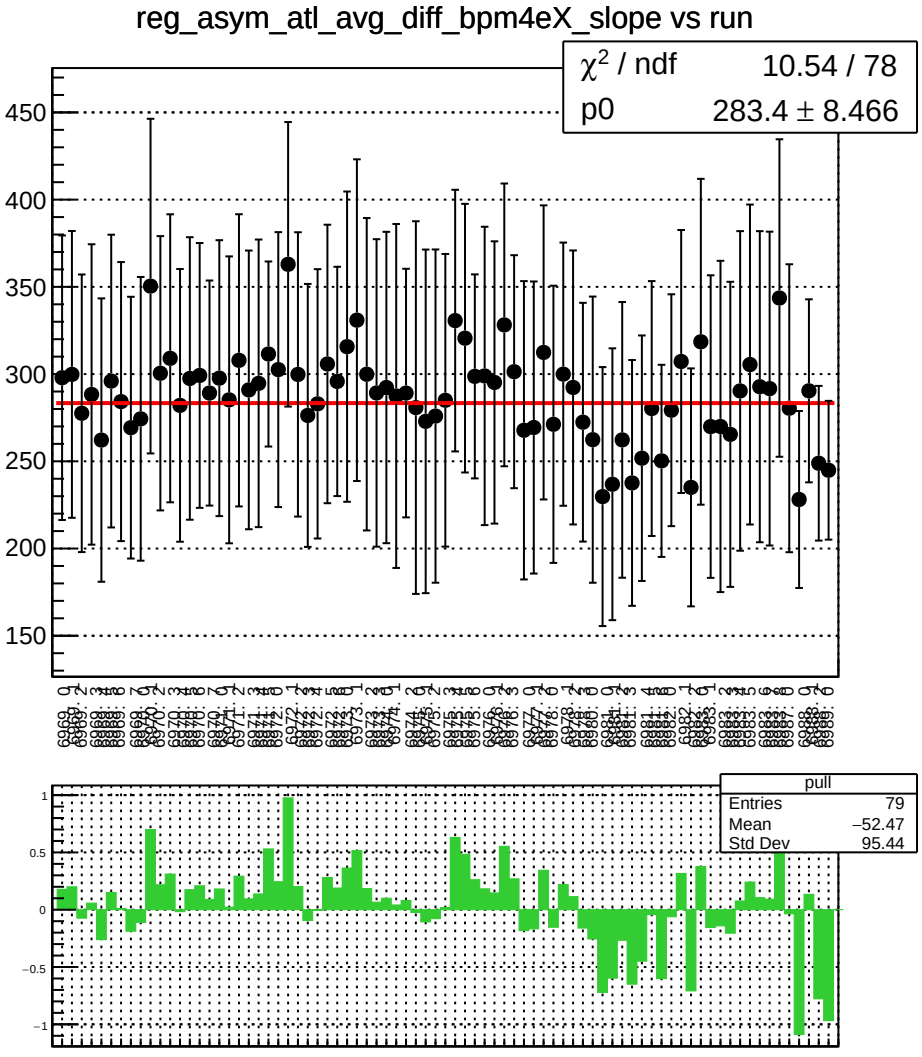

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 136.8 / 78
p0 −258.1 ± 0.4781
pull
Entries 79
Mean −260.2
Std Dev 303.5
pull1D
Entries 79
Mean −0.07589
Std Dev 1.313

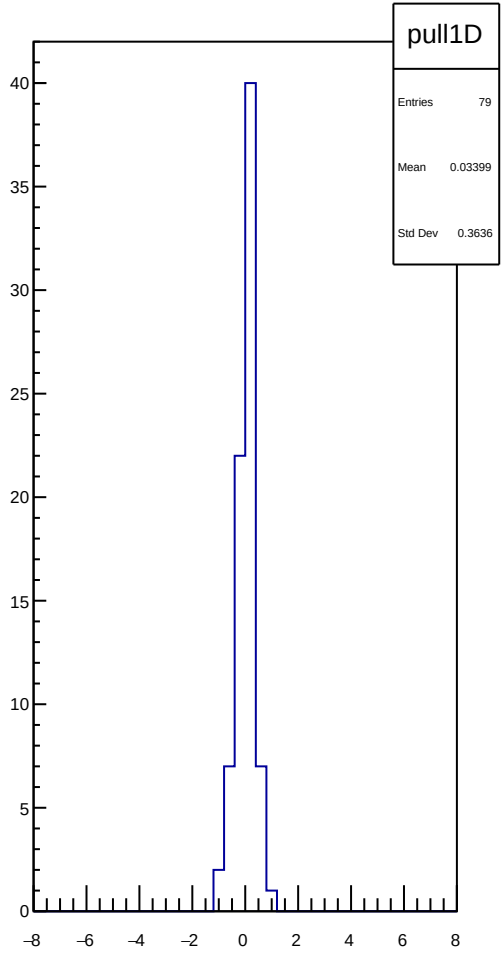

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 9.388 / 78
p0 −318.4 ± 9.214
pull
Entries 79
Mean −59.64
Std Dev 102.2

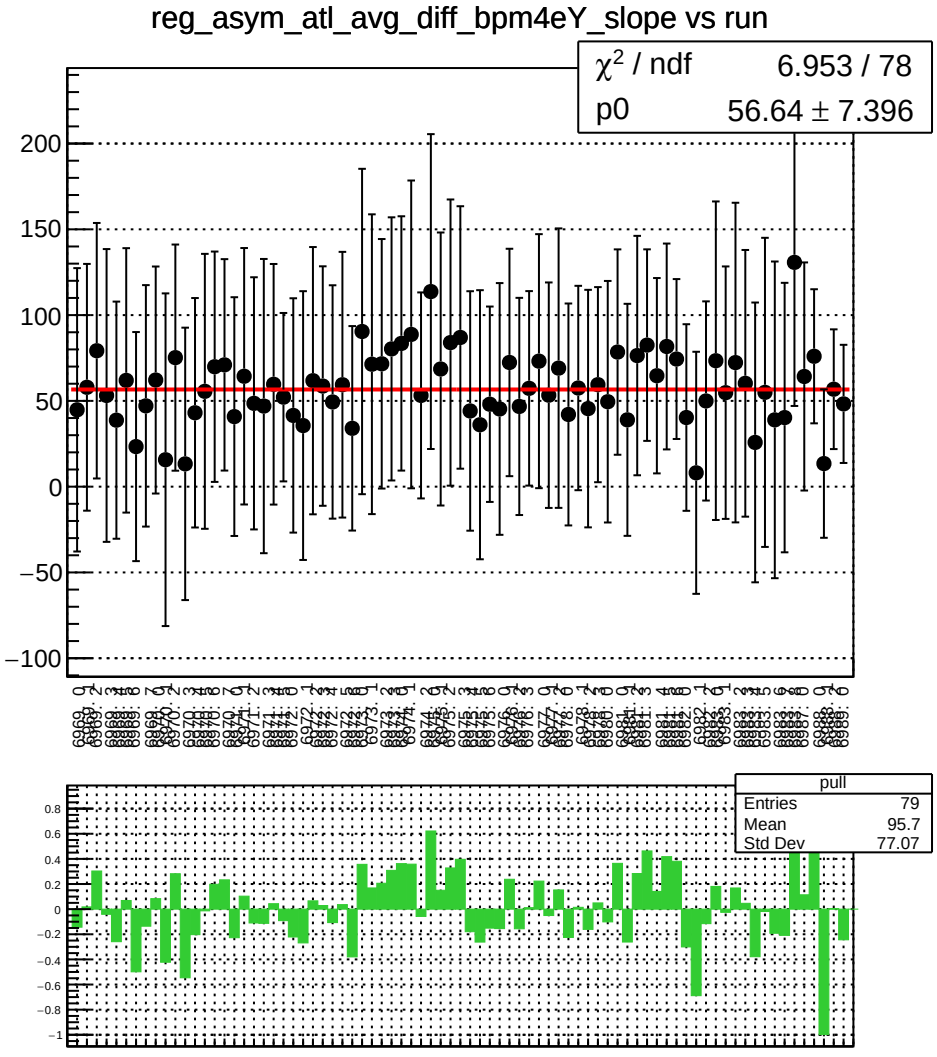

pull1D
Entries 79
Mean −0.02588
Std Dev 0.3437

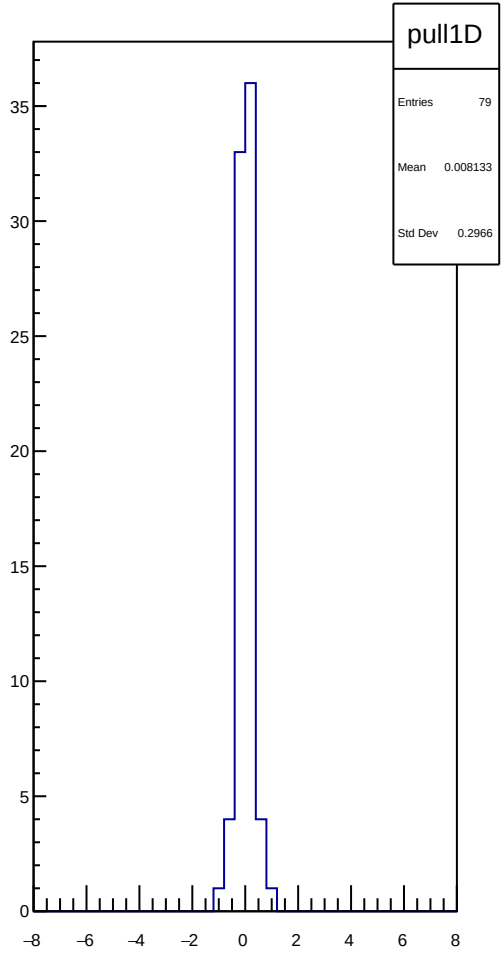

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.166 / 78
p0 13.07 ± 6.448
pull
Entries 79
Mean 257.8
Std Dev 227.2

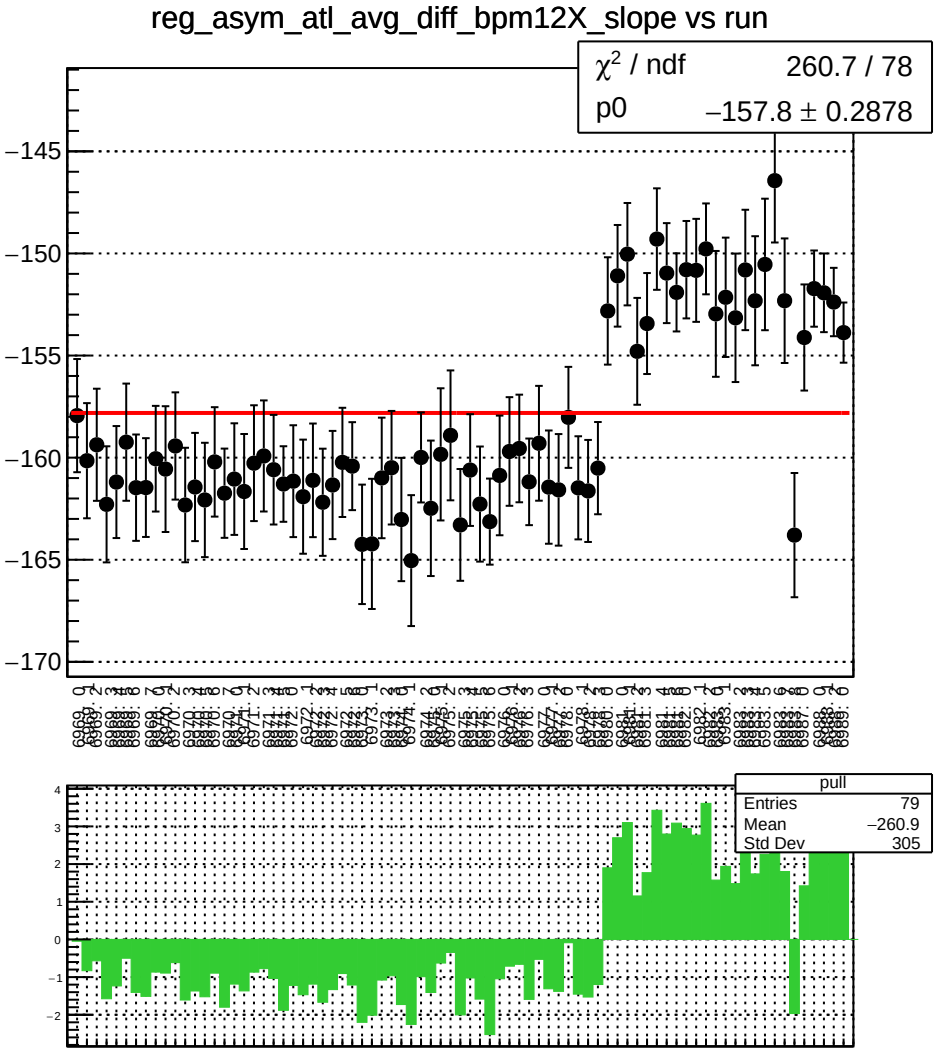

pull1D
Entries 79
Mean −0.003521
Std Dev 0.3012

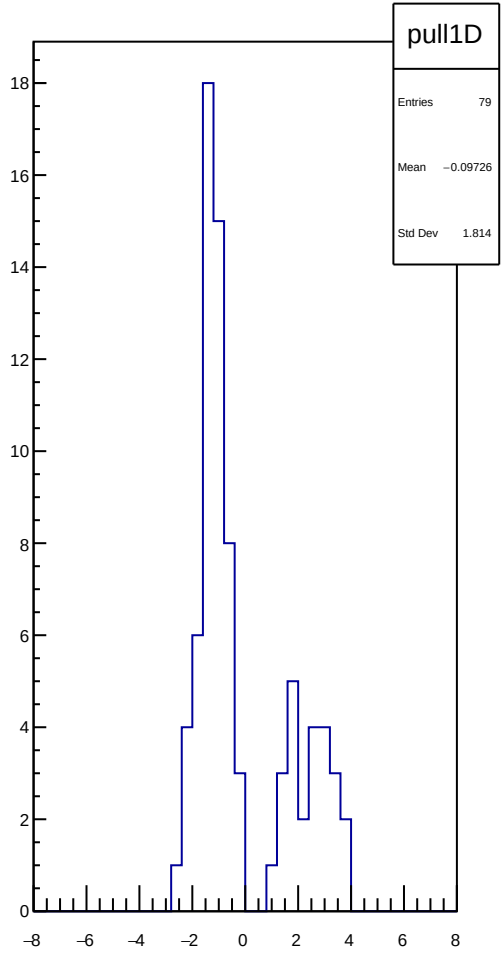

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 10.54 / 78
p0 283.4 ± 8.466
pull
Entries 79
Mean −52.47
Std Dev 95.44

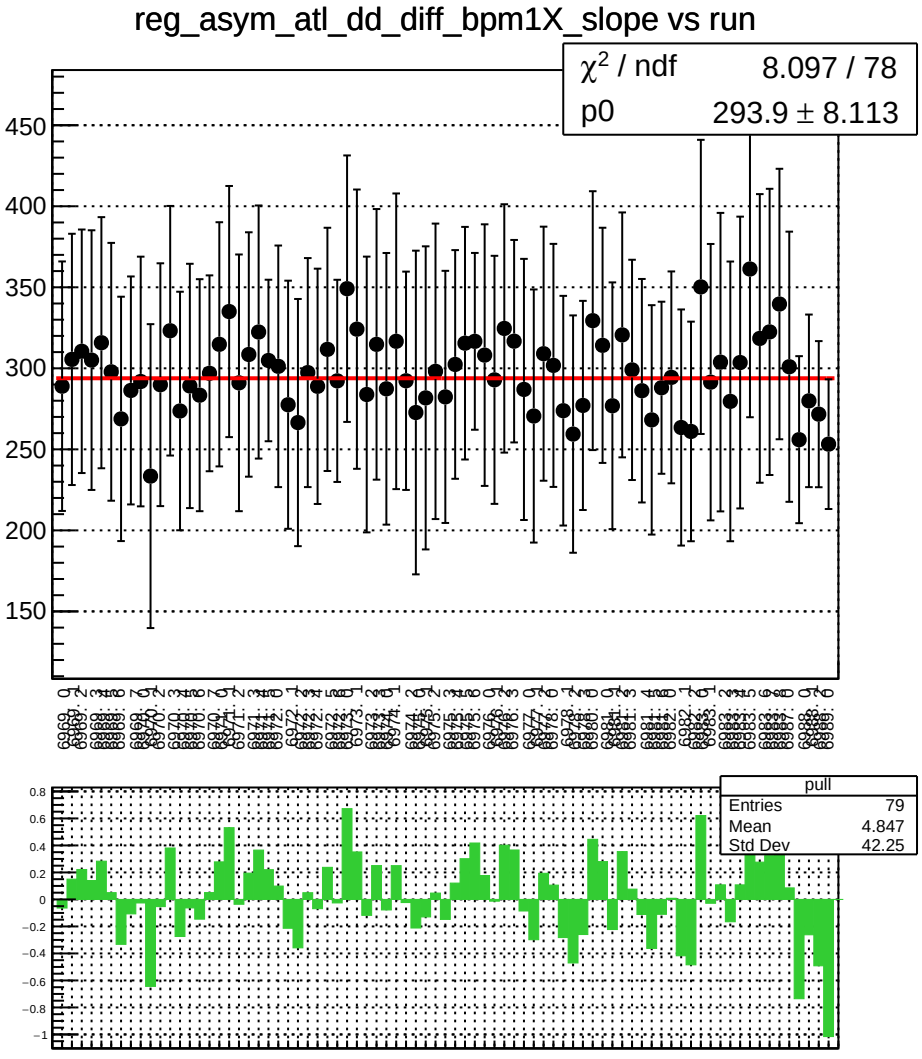

pull1D
Entries 79
Mean 0.03399
Std Dev 0.3636

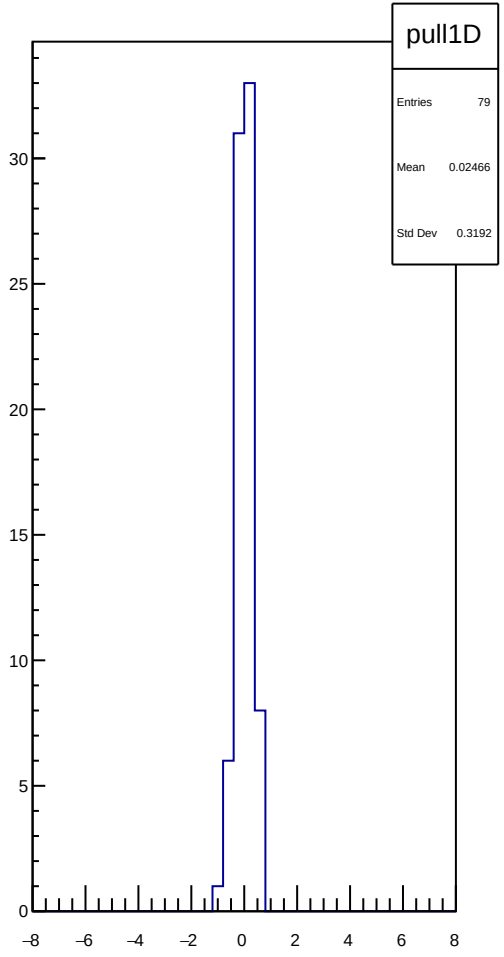

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 6.953 / 78
p0 56.64 ± 7.396
pull
Entries 79
Mean 95.7
Std Dev 77.07

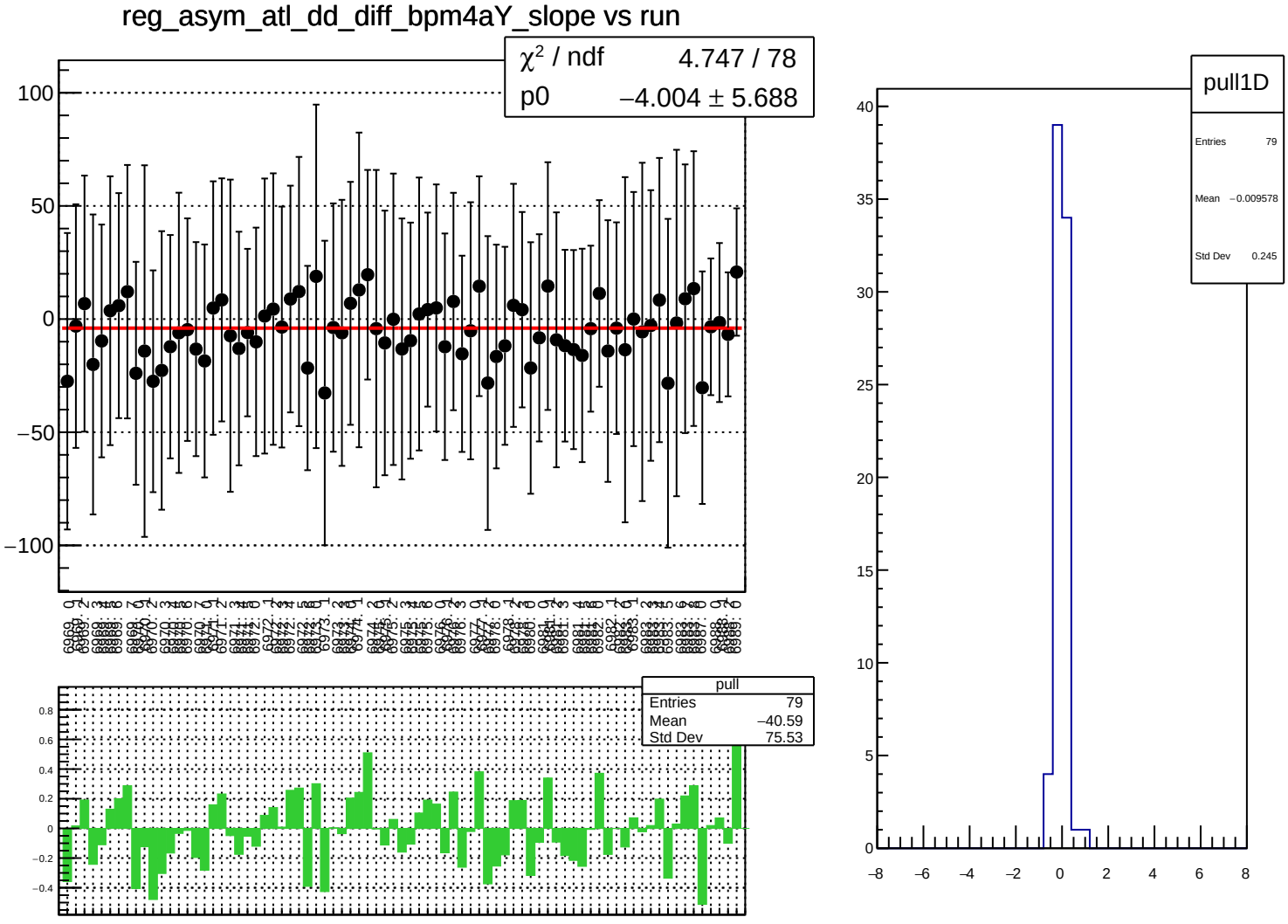

pull1D
Entries 79
Mean 0.008133
Std Dev 0.2966

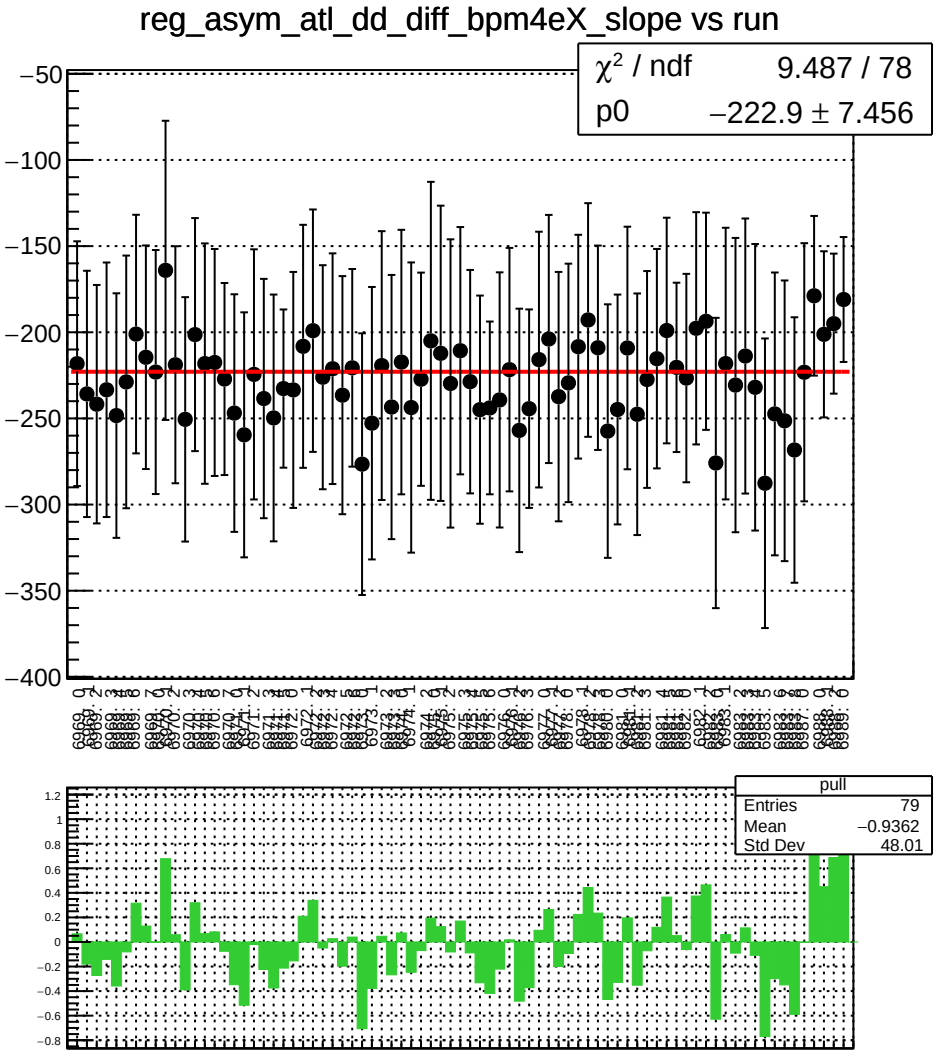

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 260.7 / 78
p0 −157.8 ± 0.2878
pull
Entries 79
Mean −260.9
Std Dev 305

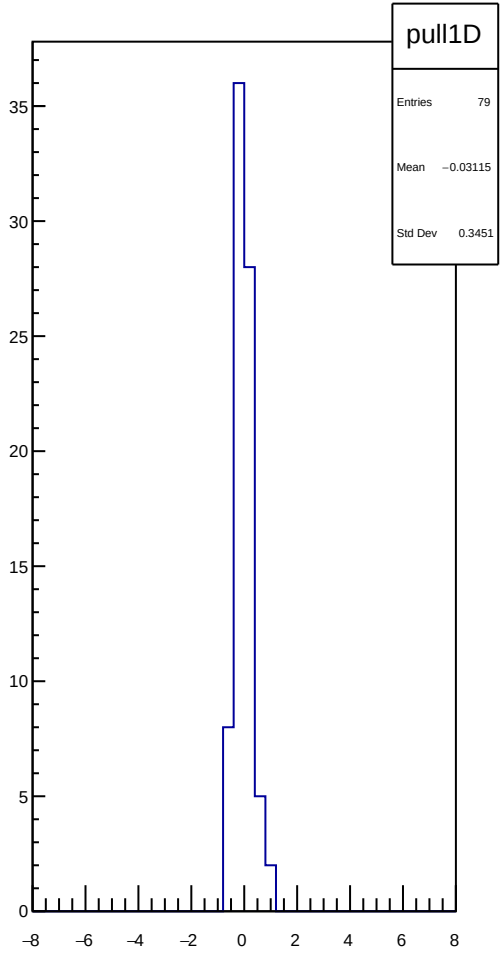

pull1D
Entries 79
Mean −0.09726
Std Dev 1.814

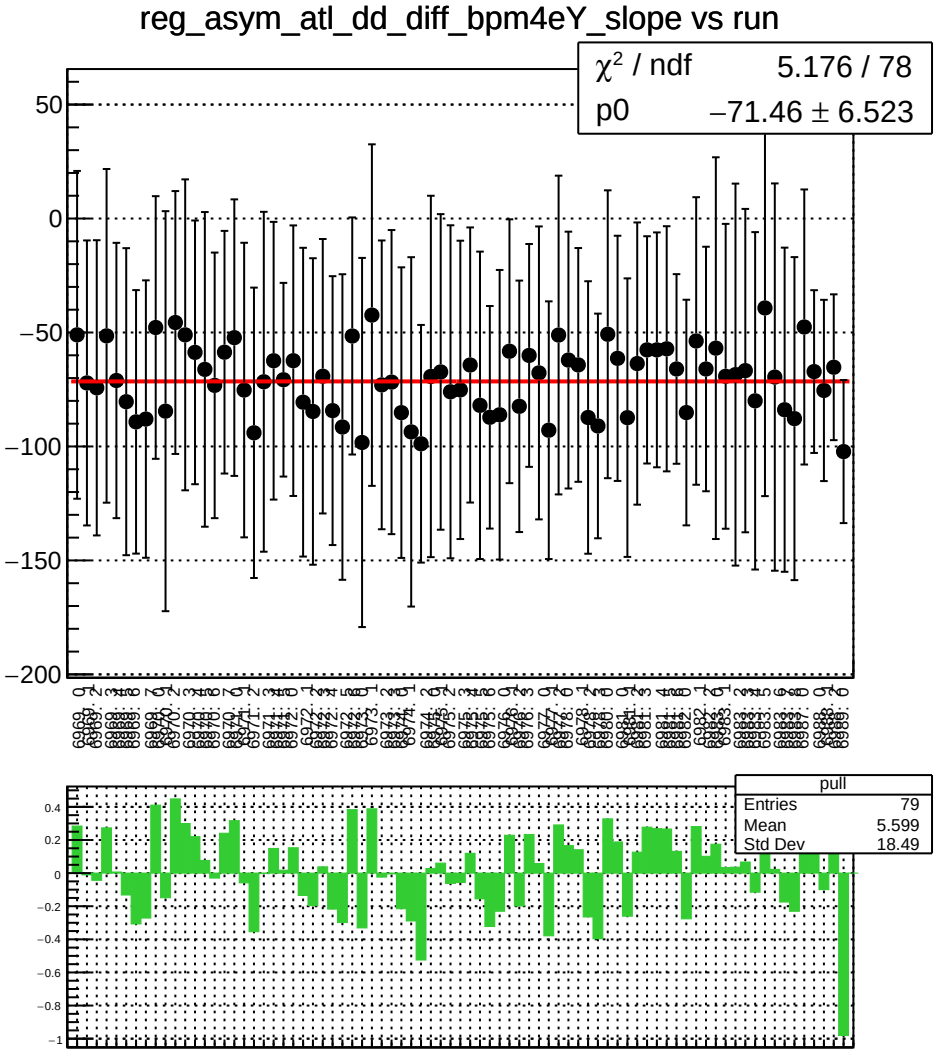

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ^2 / ndf 8.097 / 78
p0 293.9 ± 8.113
pull
Entries 79
Mean 4.847
Std Dev 42.25

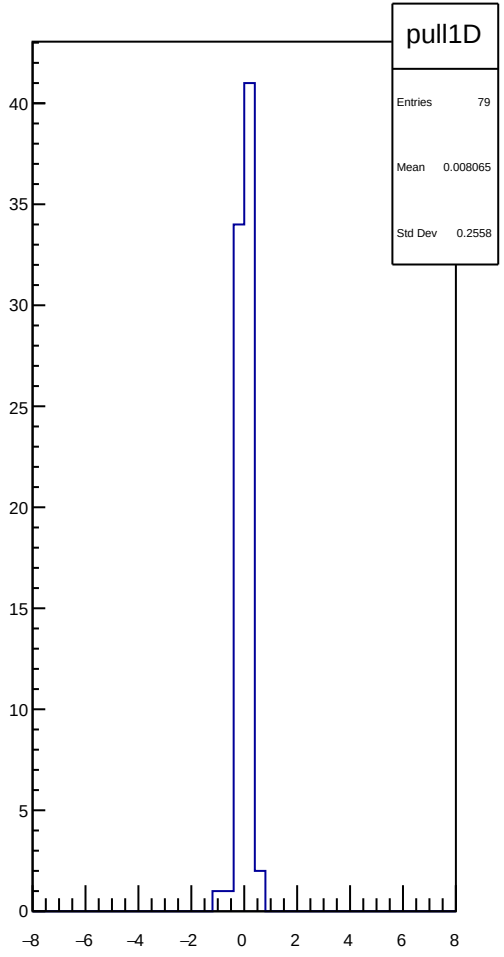

pull1D
Entries 79
Mean 0.02466
Std Dev 0.3192

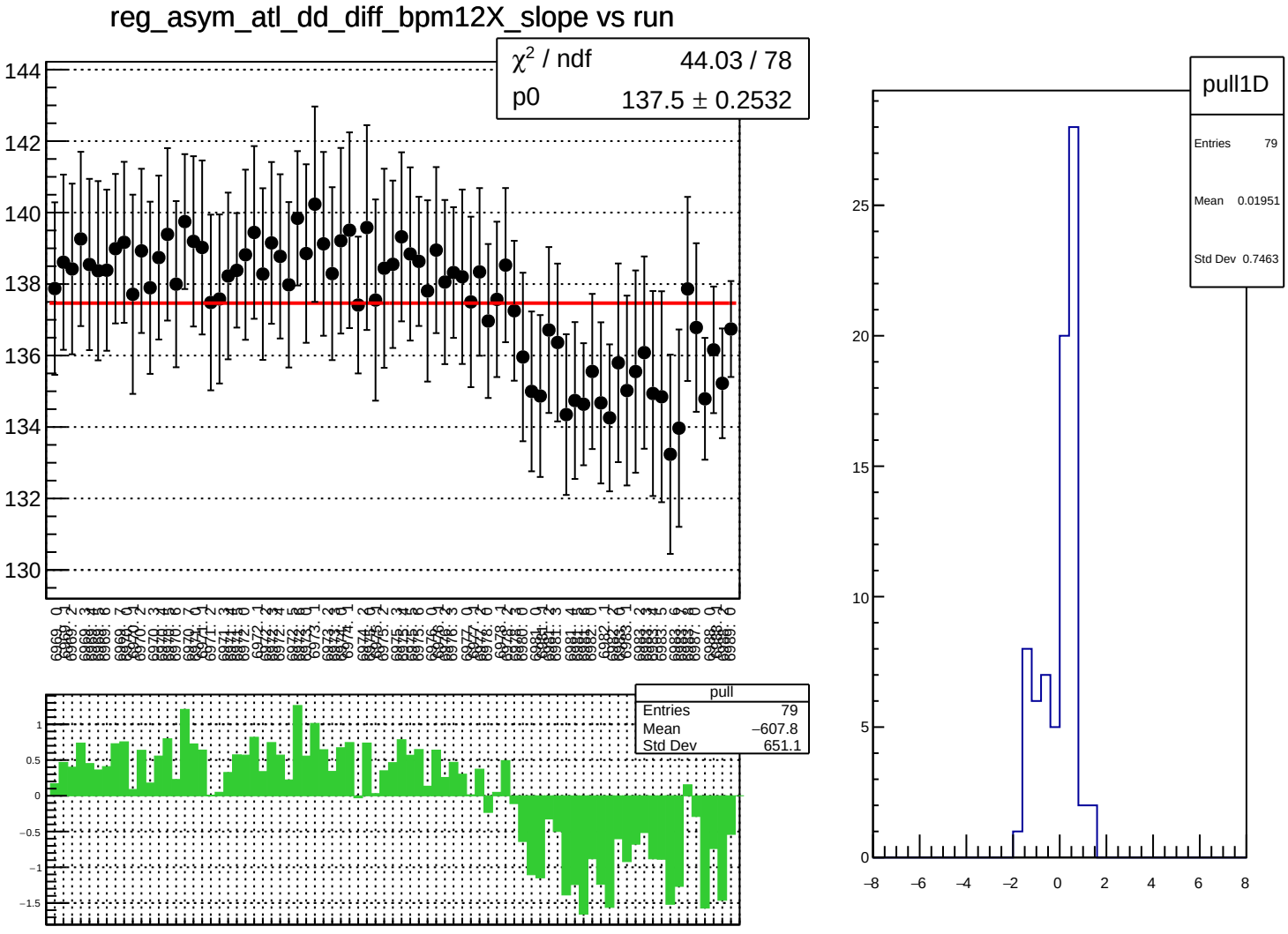

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 4.747 / 78
p0 −4.004 ± 5.688
pull
Entries 79
Mean −40.59
Std Dev 75.53
pull1D
Entries 79
Mean −0.009578
Std Dev 0.245

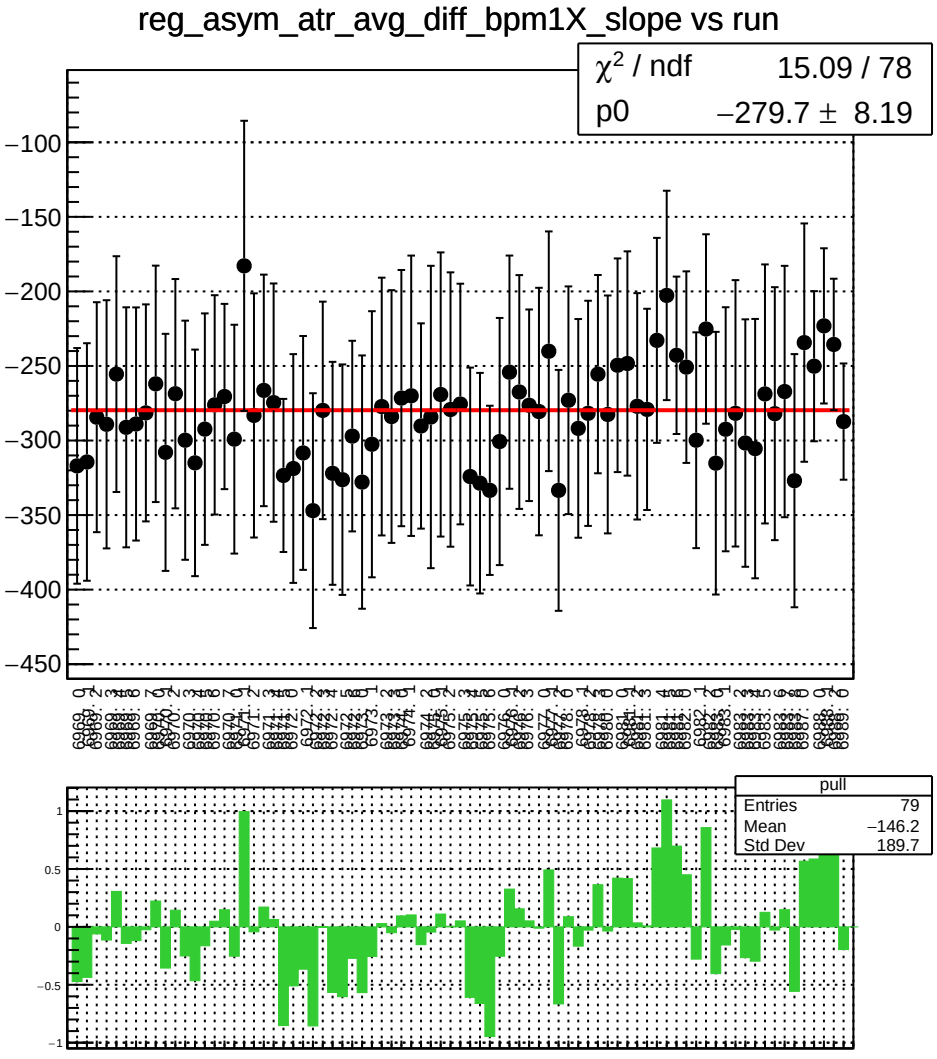

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 9.487 / 78
p0 −222.9 ± 7.456
pull
Entries 79
Mean −0.9362
Std Dev 48.01

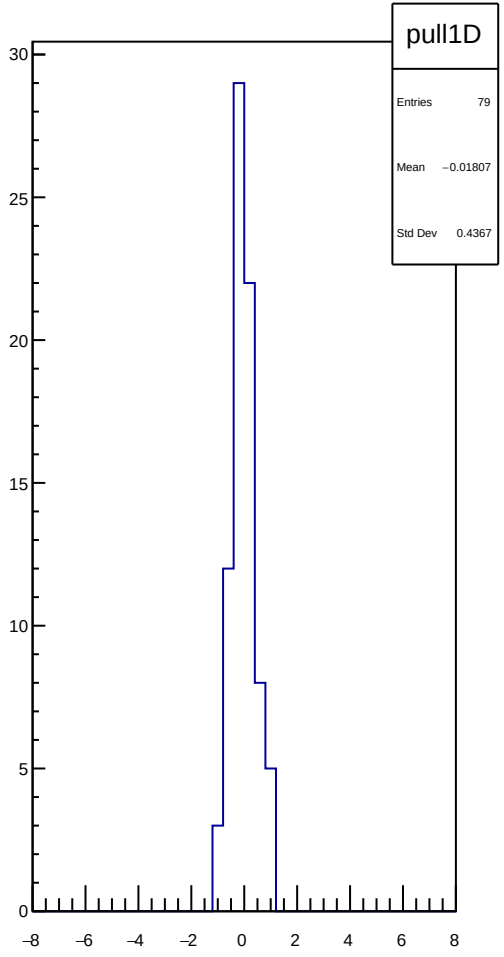

pull1D
Entries 79
Mean −0.03115
Std Dev 0.3451

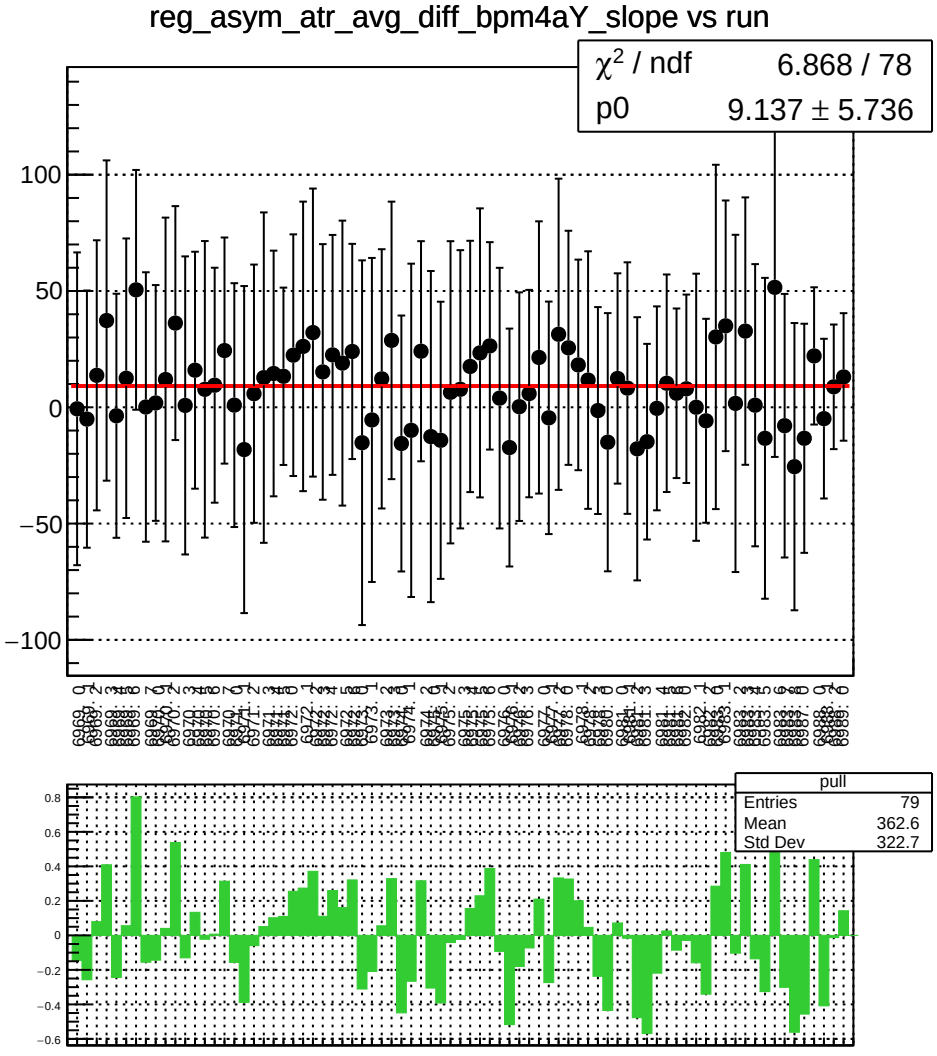

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.176 / 78
p0 −71.46 ± 6.523
pull
Entries 79
Mean 5.599
Std Dev 18.49

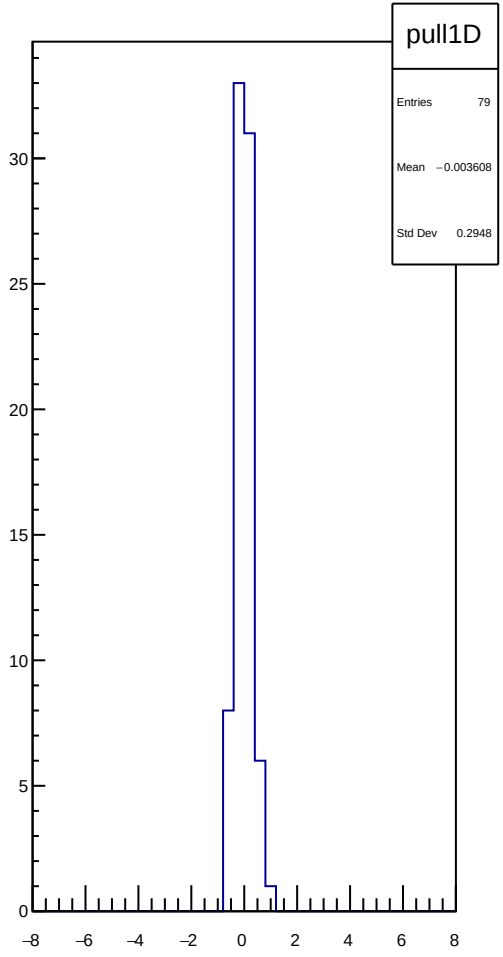

pull1D
Entries 79
Mean 0.008065
Std Dev 0.2558

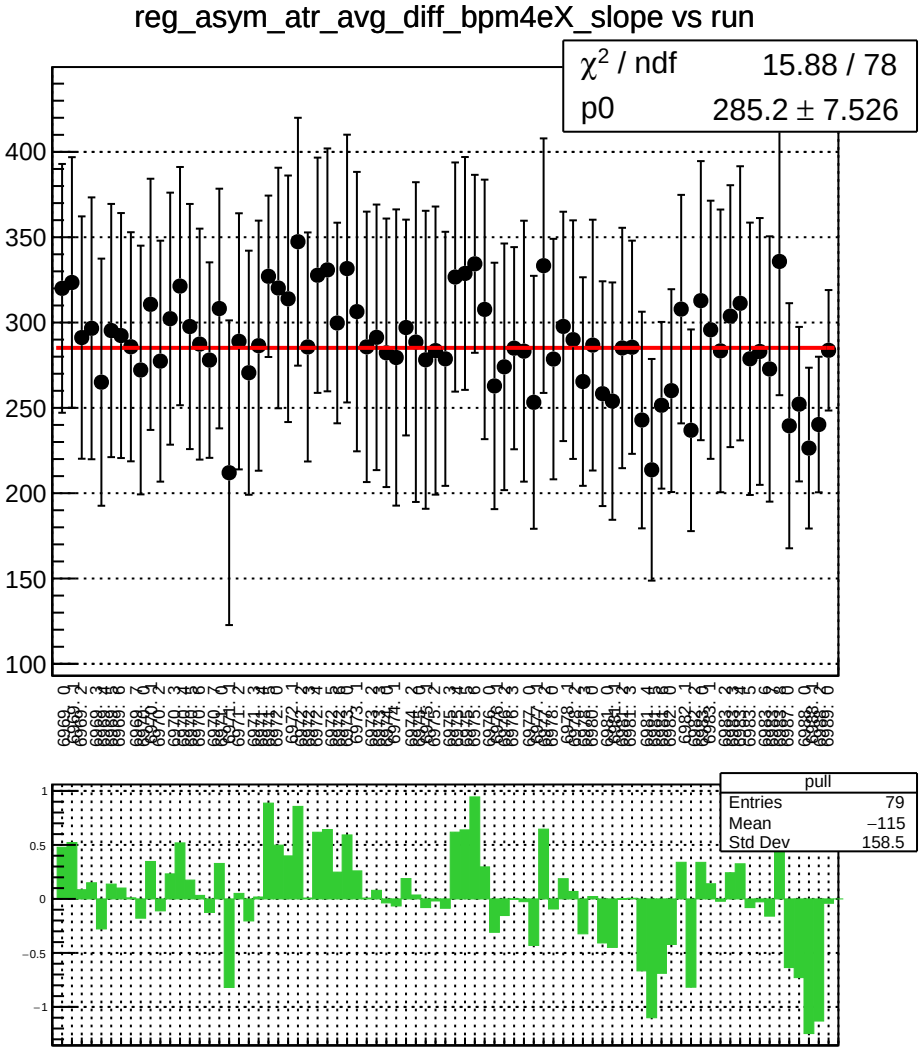

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ^2 / ndf 44.03 / 78
p0 137.5 ± 0.2532
144
142
140
138
136
134
132
130
pull
Entries 79
Mean −607.8
Std Dev 651.1
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 79
Mean 0.01951
Std Dev 0.7463
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

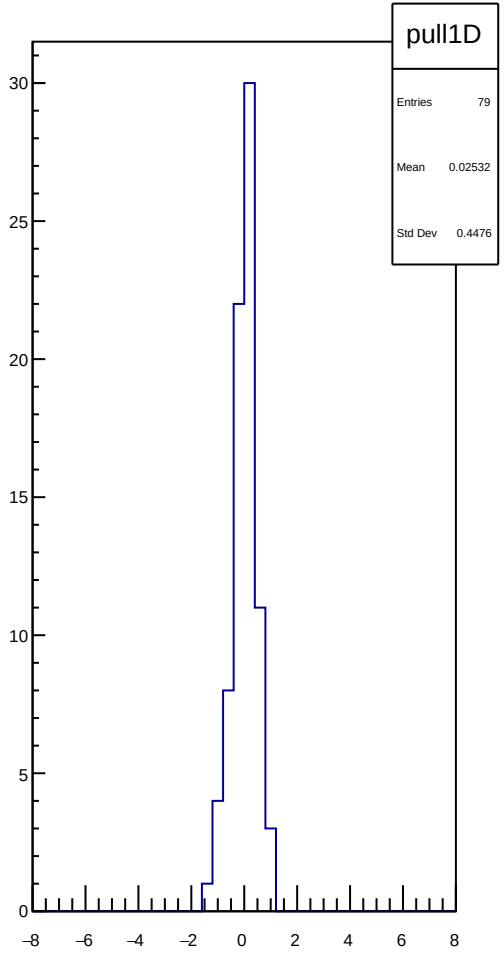

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ^2 / ndf 15.09 / 78
p0 −279.7 ± 8.19
pull
Entries 79
Mean −146.2
Std Dev 189.7

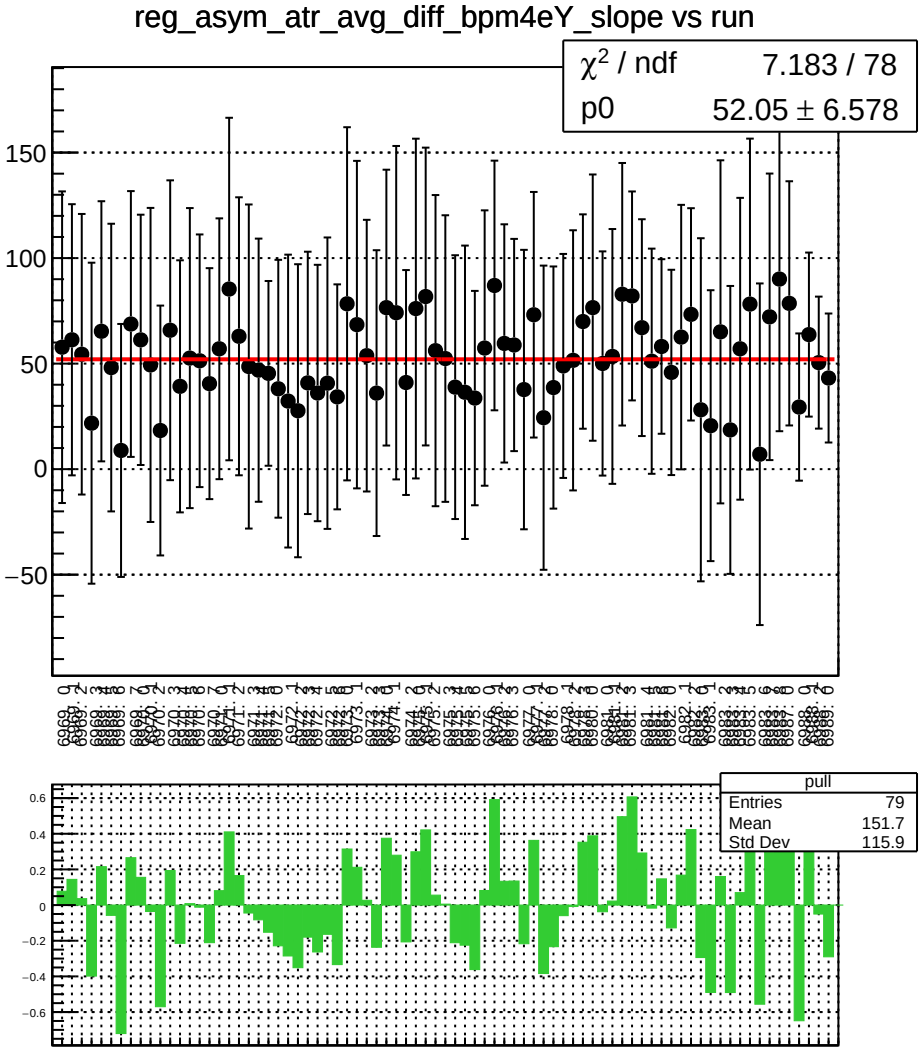

pull1D
Entries 79
Mean −0.01807
Std Dev 0.4367

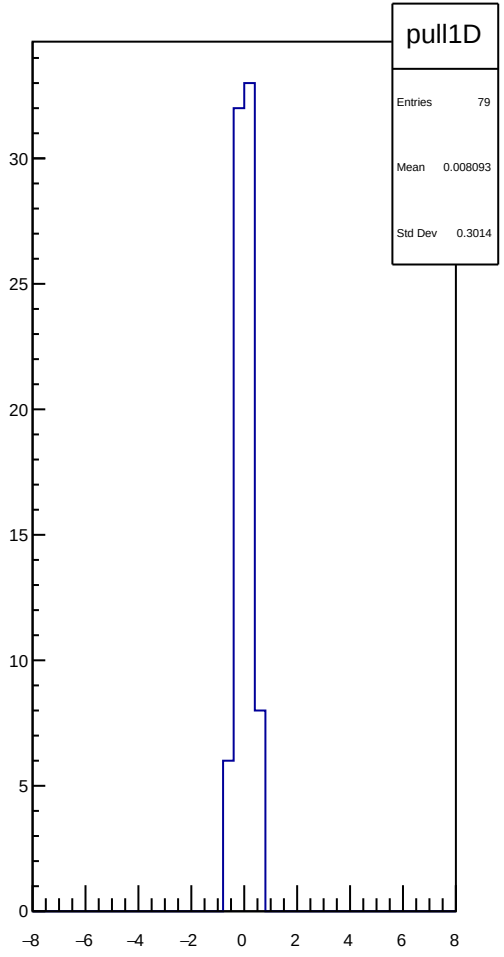

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.868 / 78
p0 9.137 ± 5.736
pull
Entries 79
Mean 362.6
Std Dev 322.7

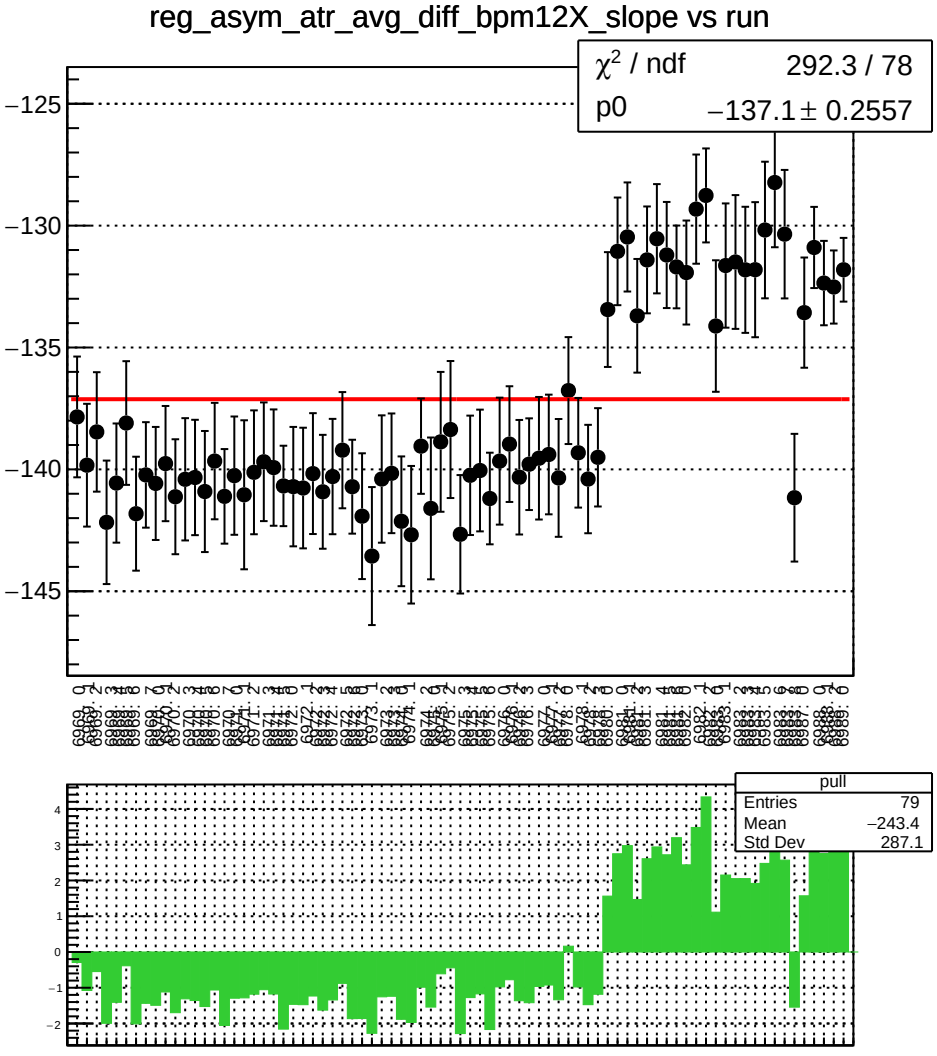

pull1D
Entries 79
Mean −0.003608
Std Dev 0.2948

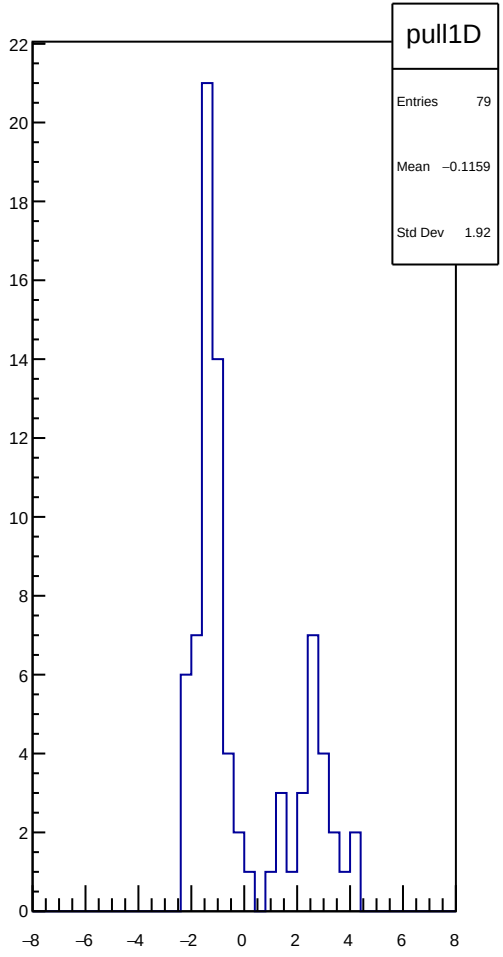

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 15.88 / 78
p0 285.2 ± 7.526
pull
Entries 79
Mean −115
Std Dev 158.5

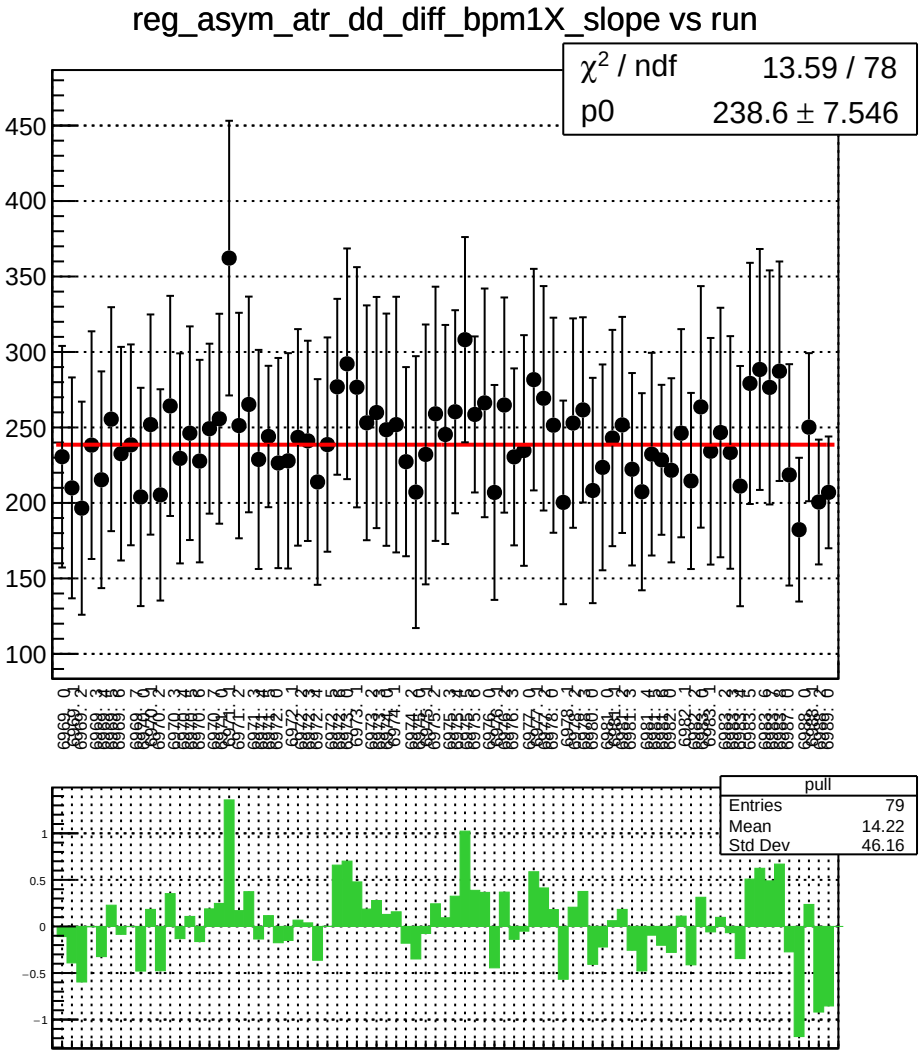

pull1D
Entries 79
Mean 0.02532
Std Dev 0.4476

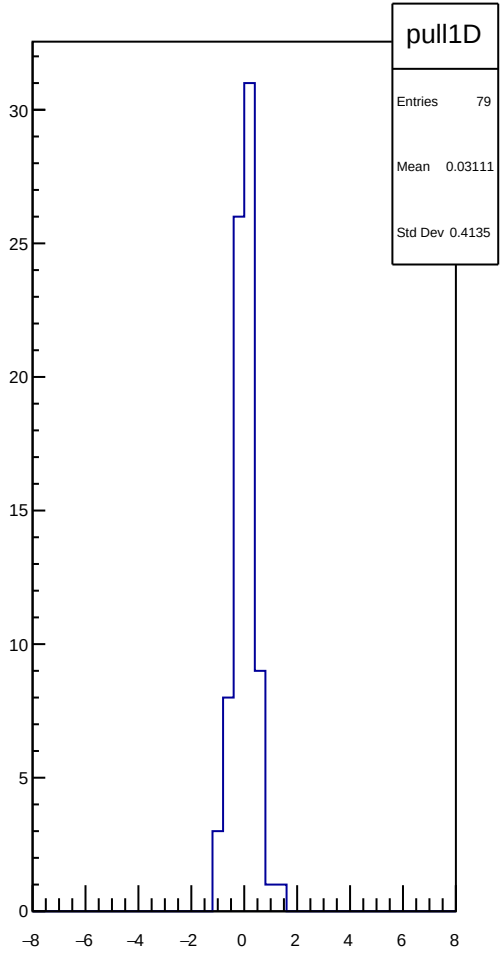

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 7.183 / 78
p0 52.05 ± 6.578
pull
Entries 79
Mean 151.7
Std Dev 115.9

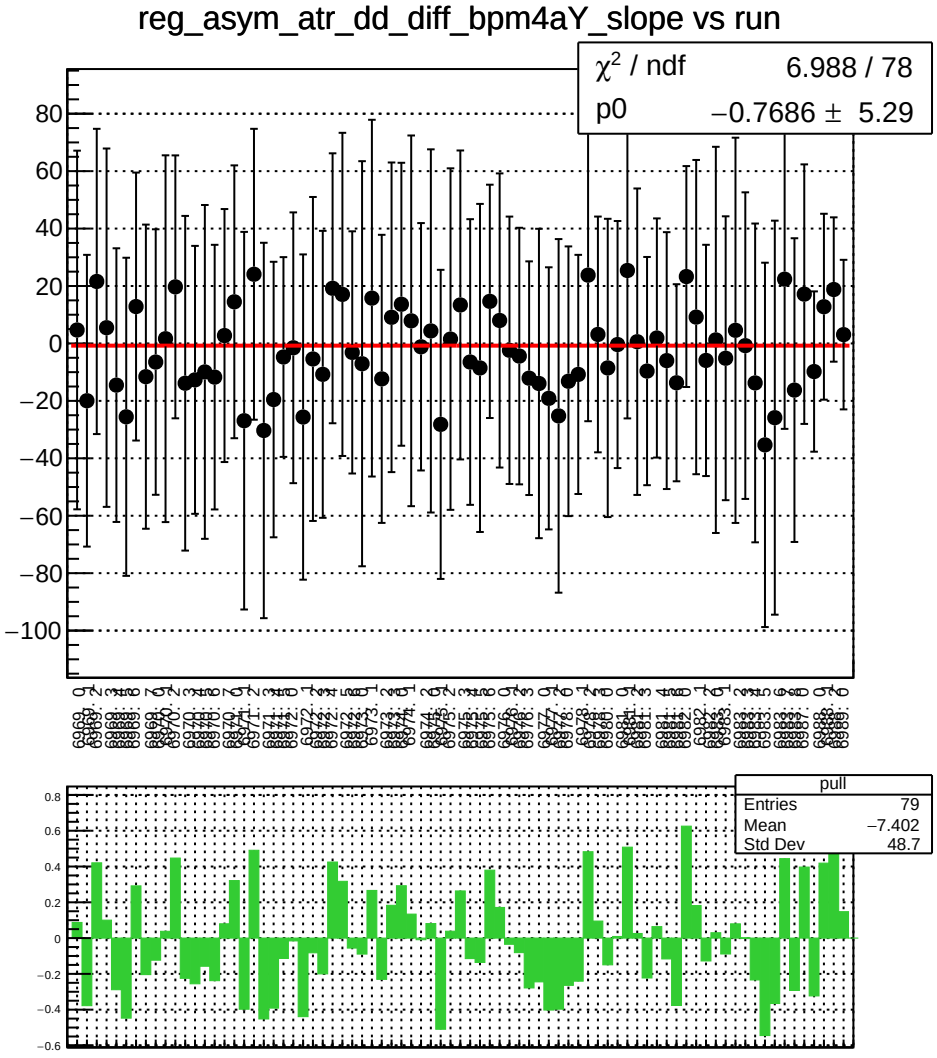

pull1D
Entries 79
Mean 0.008093
Std Dev 0.3014

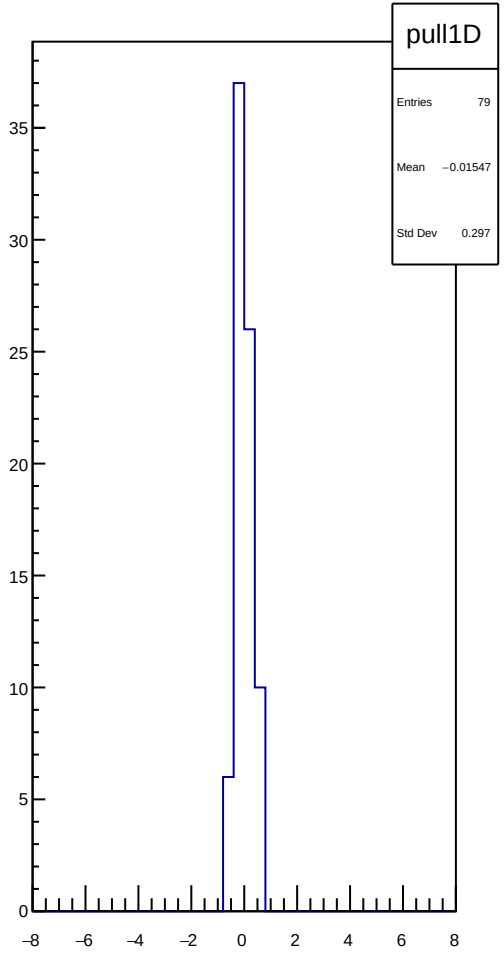

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 292.3 / 78
p0 −137.1 ± 0.2557
−125
−130
−135
−140
−145
pull
Entries 79
Mean −243.4
Std Dev 287.1
4
3
2
1
0
−1
−2

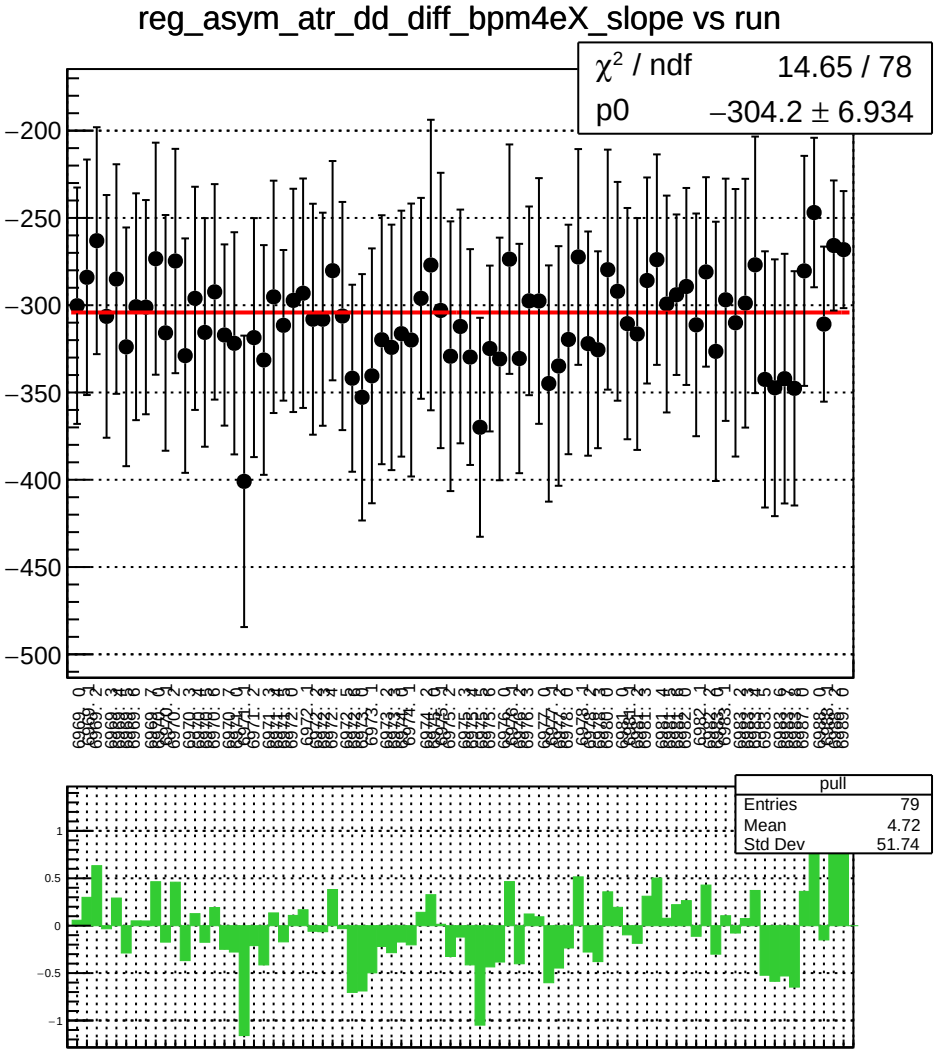

pull1D
Entries 79
Mean −0.1159
Std Dev 1.92
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

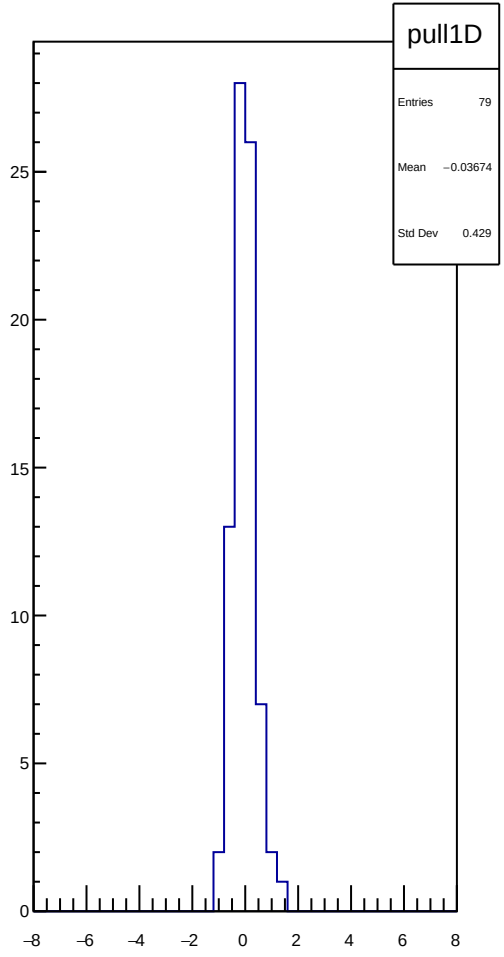

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ^2 / ndf 13.59 / 78
p0 238.6 ± 7.546
pull
Entries 79
Mean 14.22
Std Dev 46.16

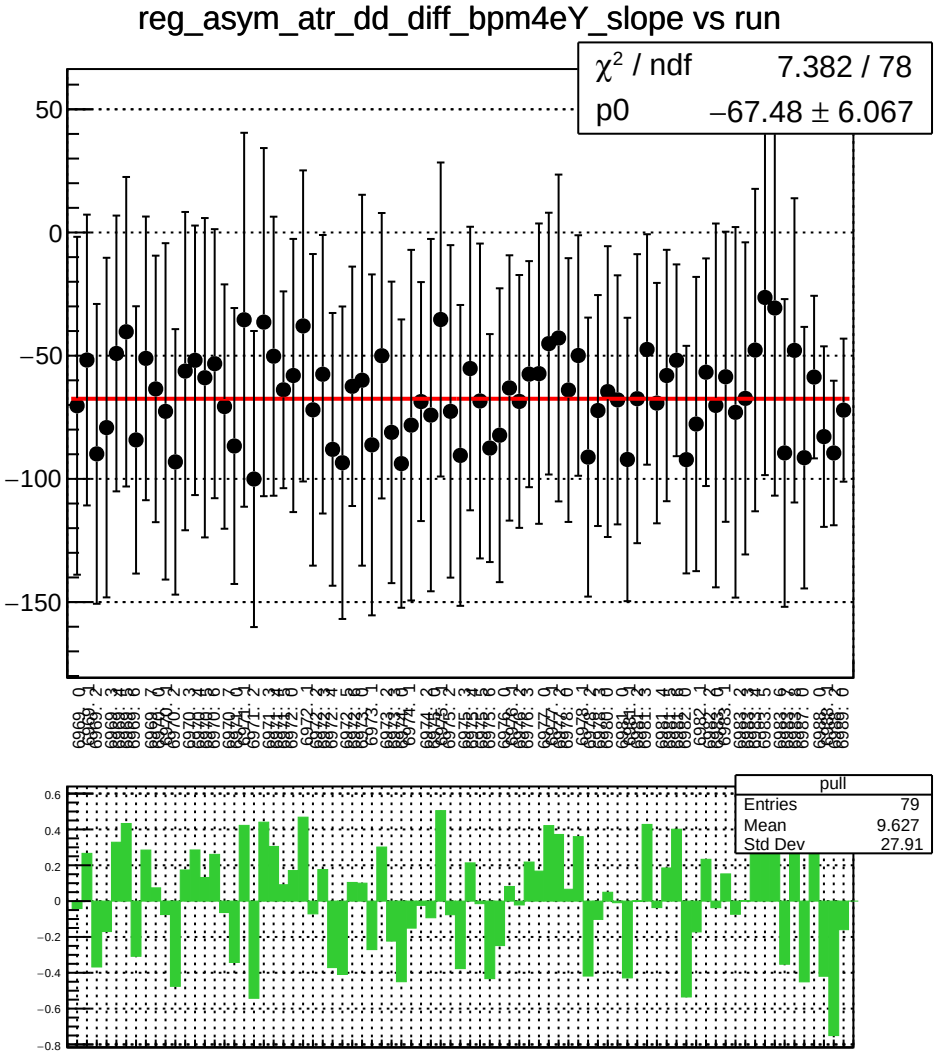

pull1D
Entries 79
Mean 0.03111
Std Dev 0.4135

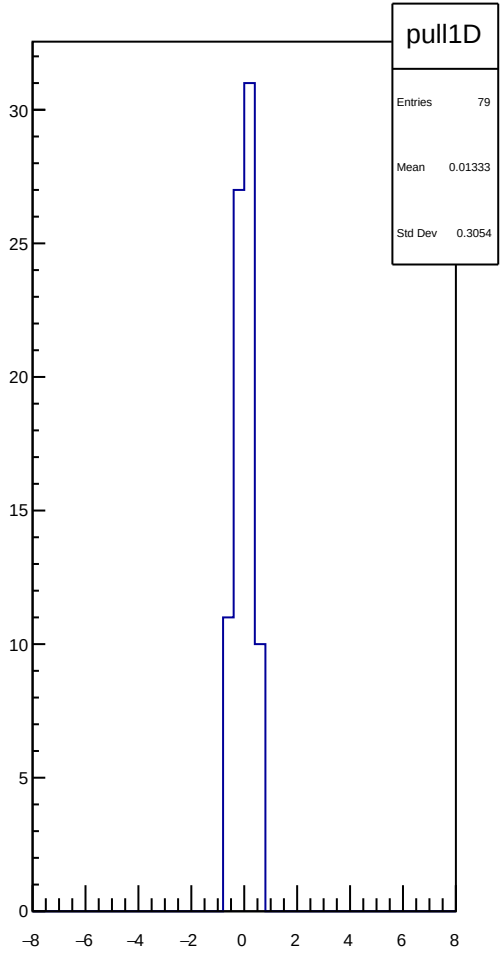

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.988 / 78
p0 −0.7686 ± 5.29
pull
Entries 79
Mean −7.402
Std Dev 48.7

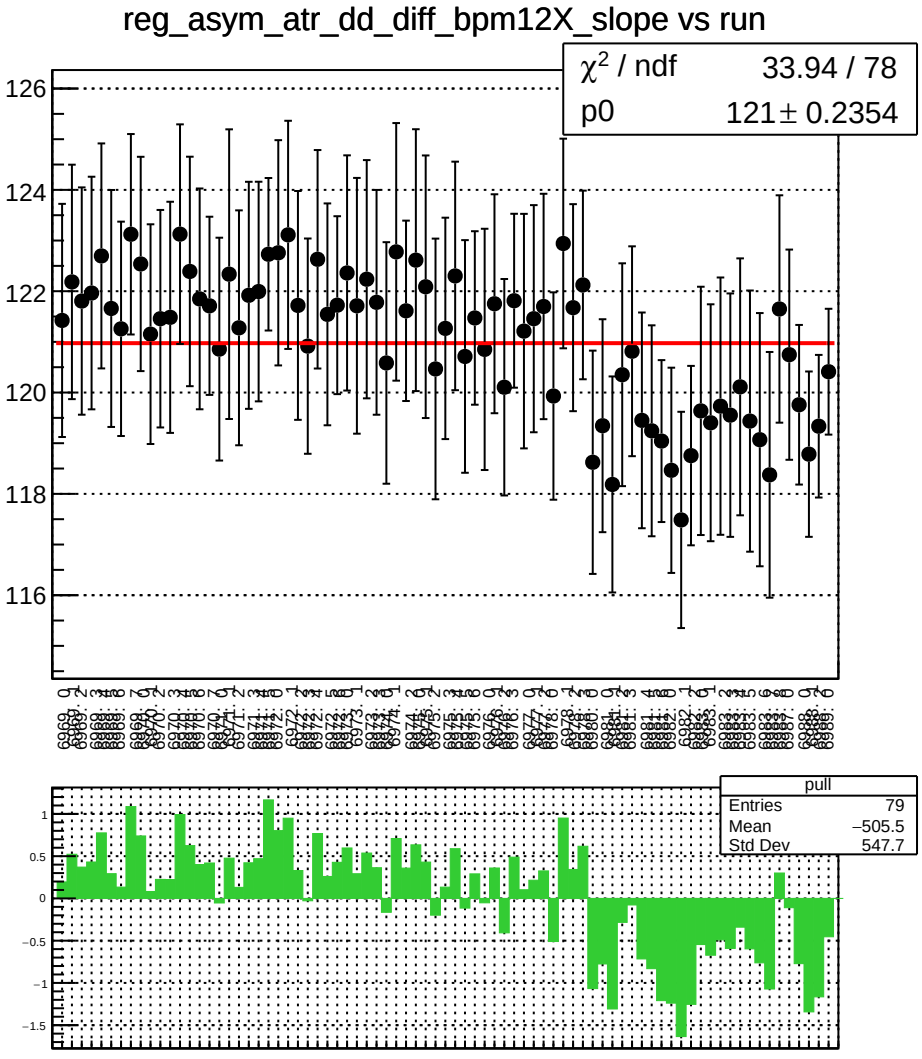

pull1D
Entries 79
Mean −0.01547
Std Dev 0.297

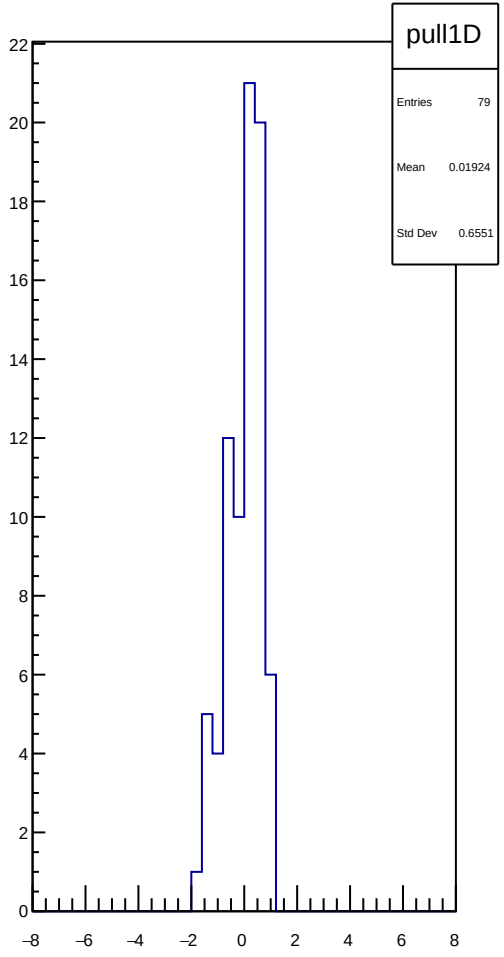

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 14.65 / 78
p0 −304.2 ± 6.934
pull
Entries 79
Mean 4.72
Std Dev 51.74

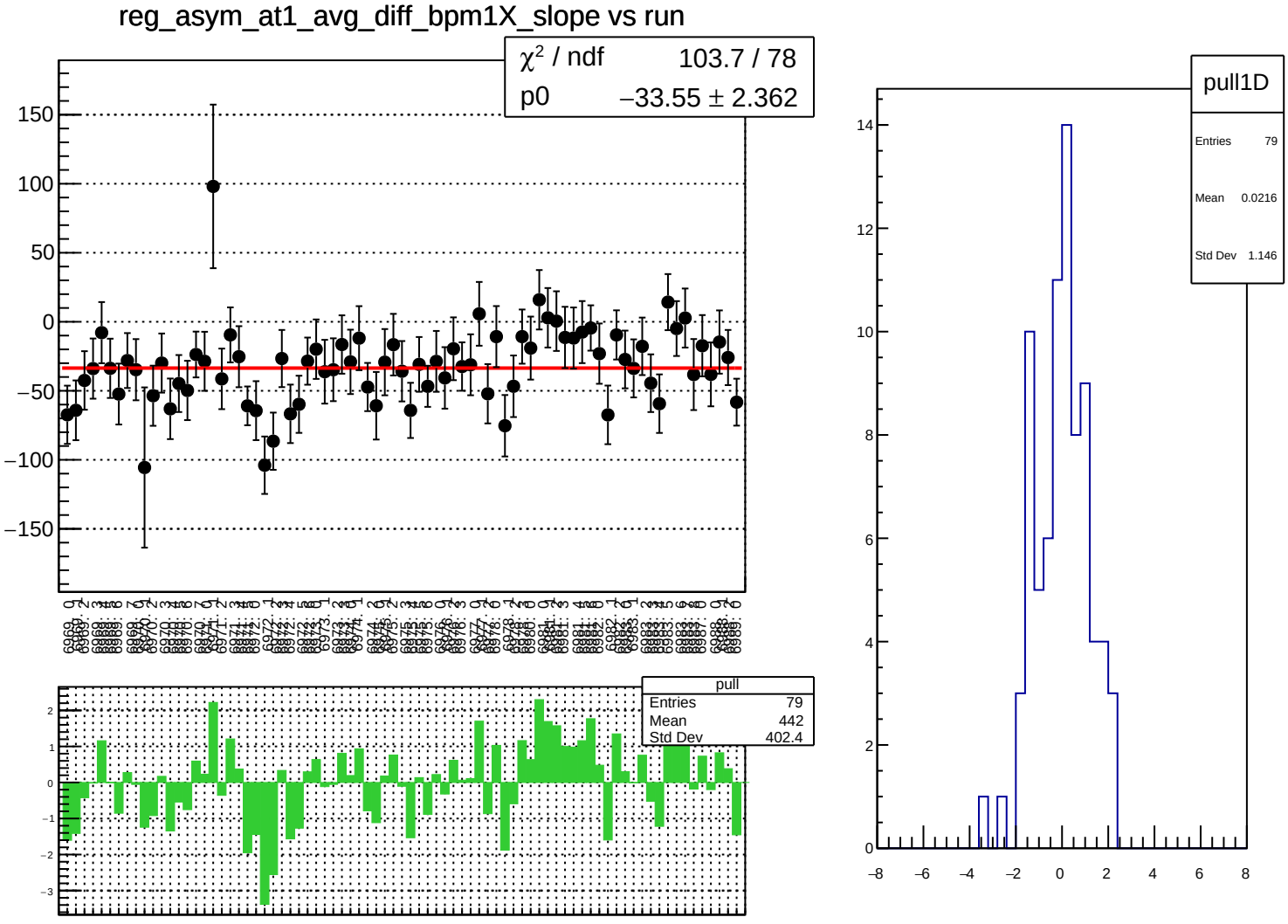

pull1D
Entries 79
Mean −0.03674
Std Dev 0.429

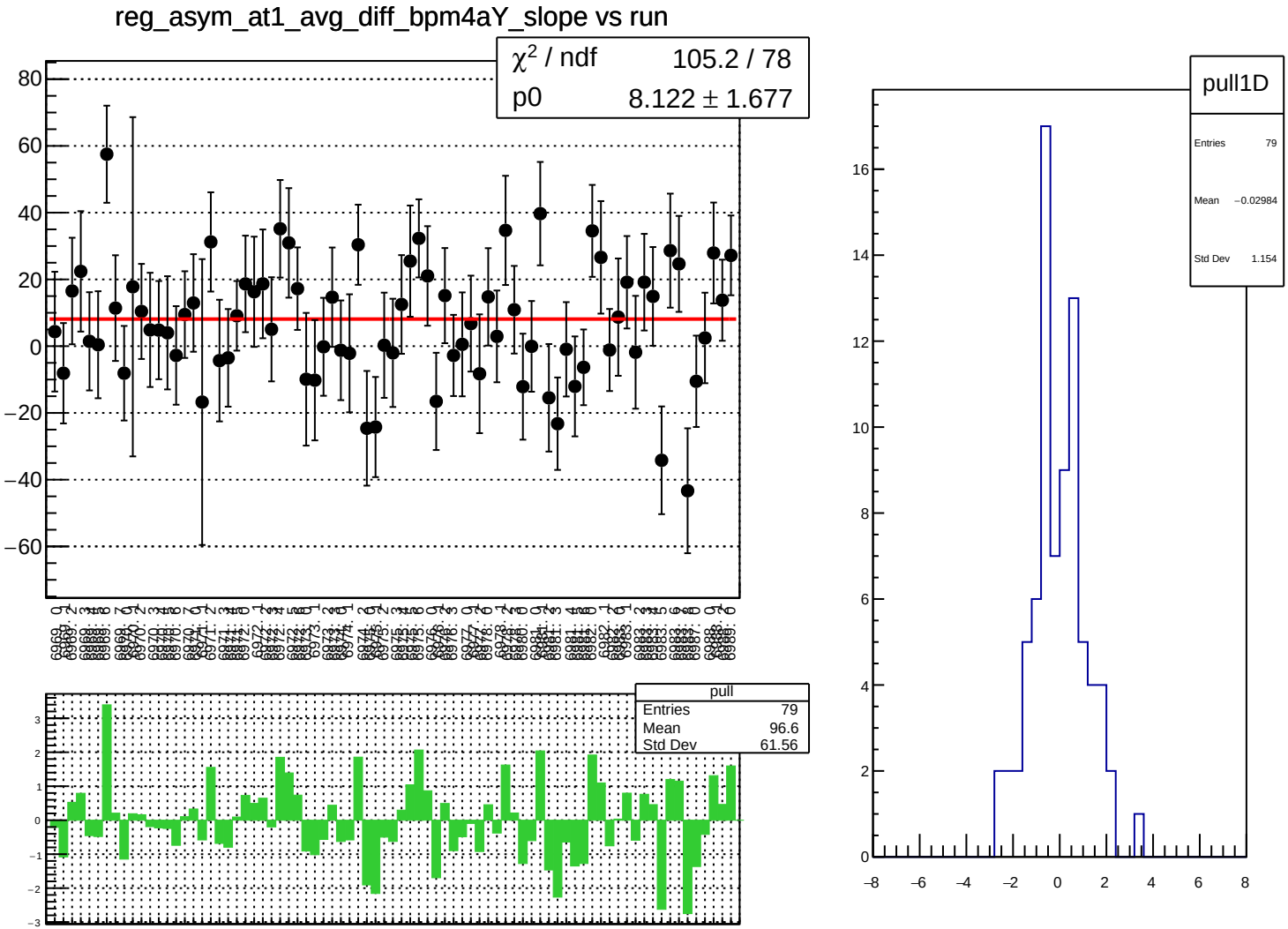

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 7.382 / 78
p0 −67.48 ± 6.067
pull
Entries 79
Mean 9.627
Std Dev 27.91

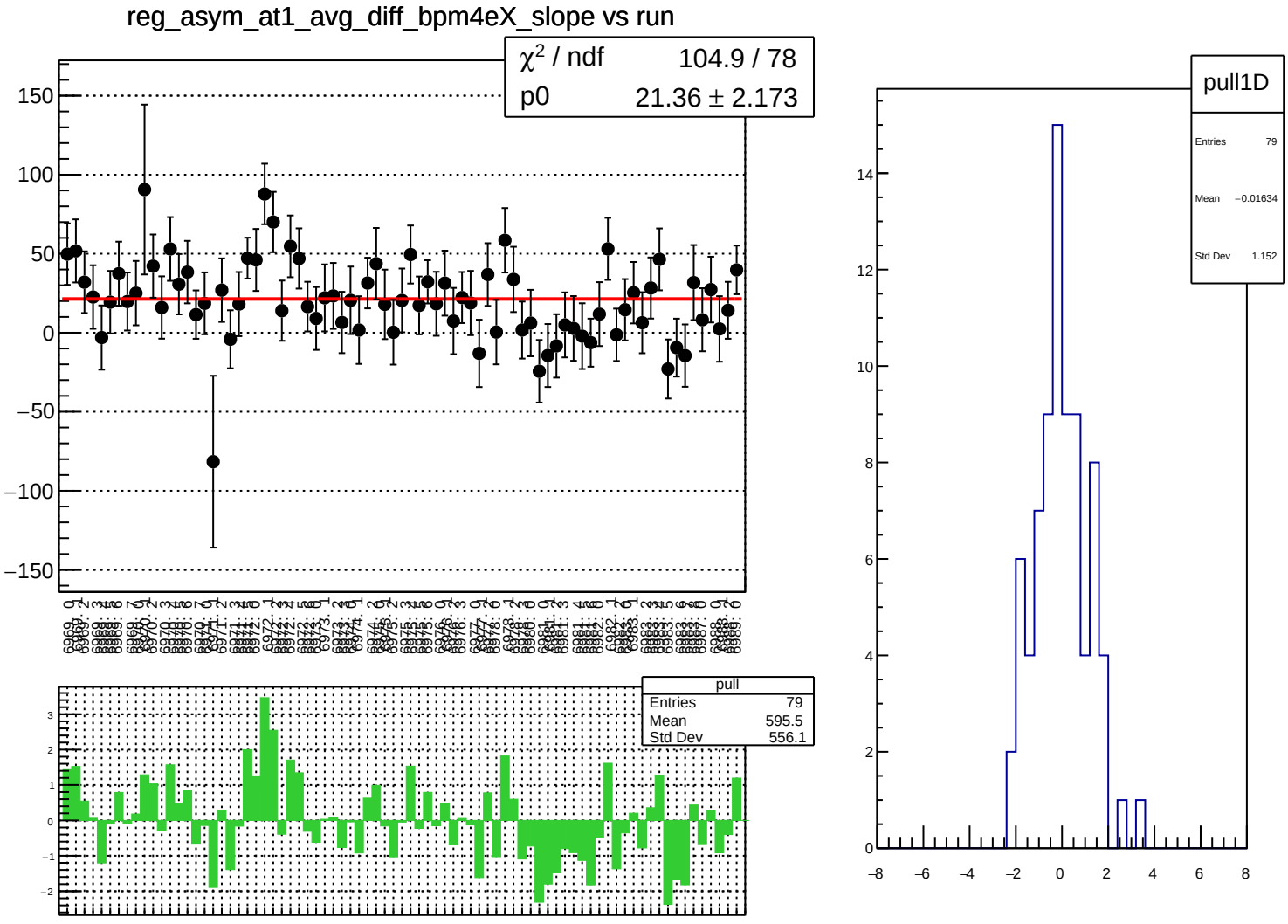

pull1D
Entries 79
Mean 0.01333
Std Dev 0.3054

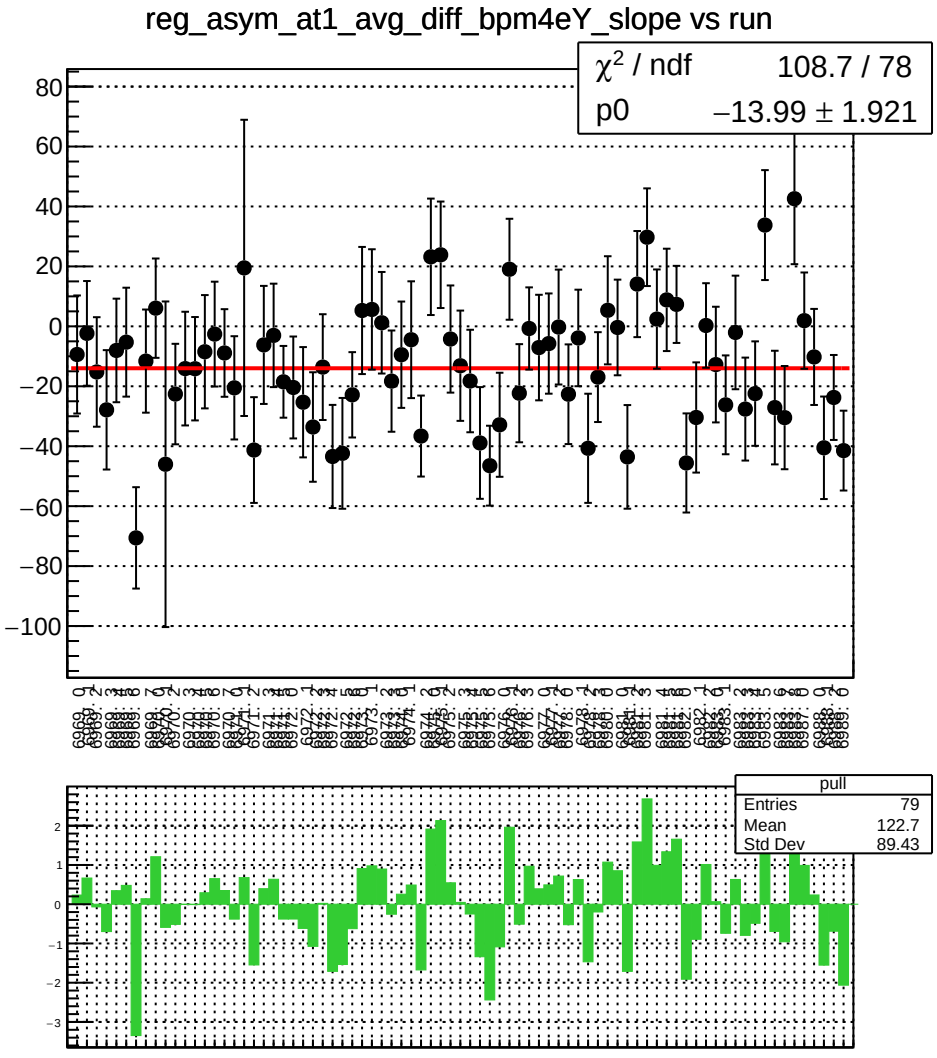

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ^2 / ndf 33.94 / 78
p0 121 ± 0.2354
pull
Entries 79
Mean −505.5
Std Dev 547.7

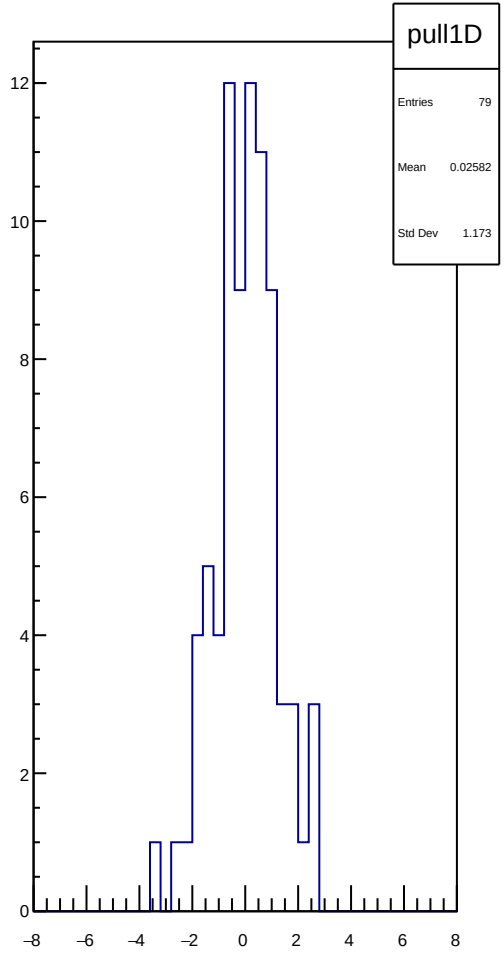

pull1D
Entries 79
Mean 0.01924
Std Dev 0.6551

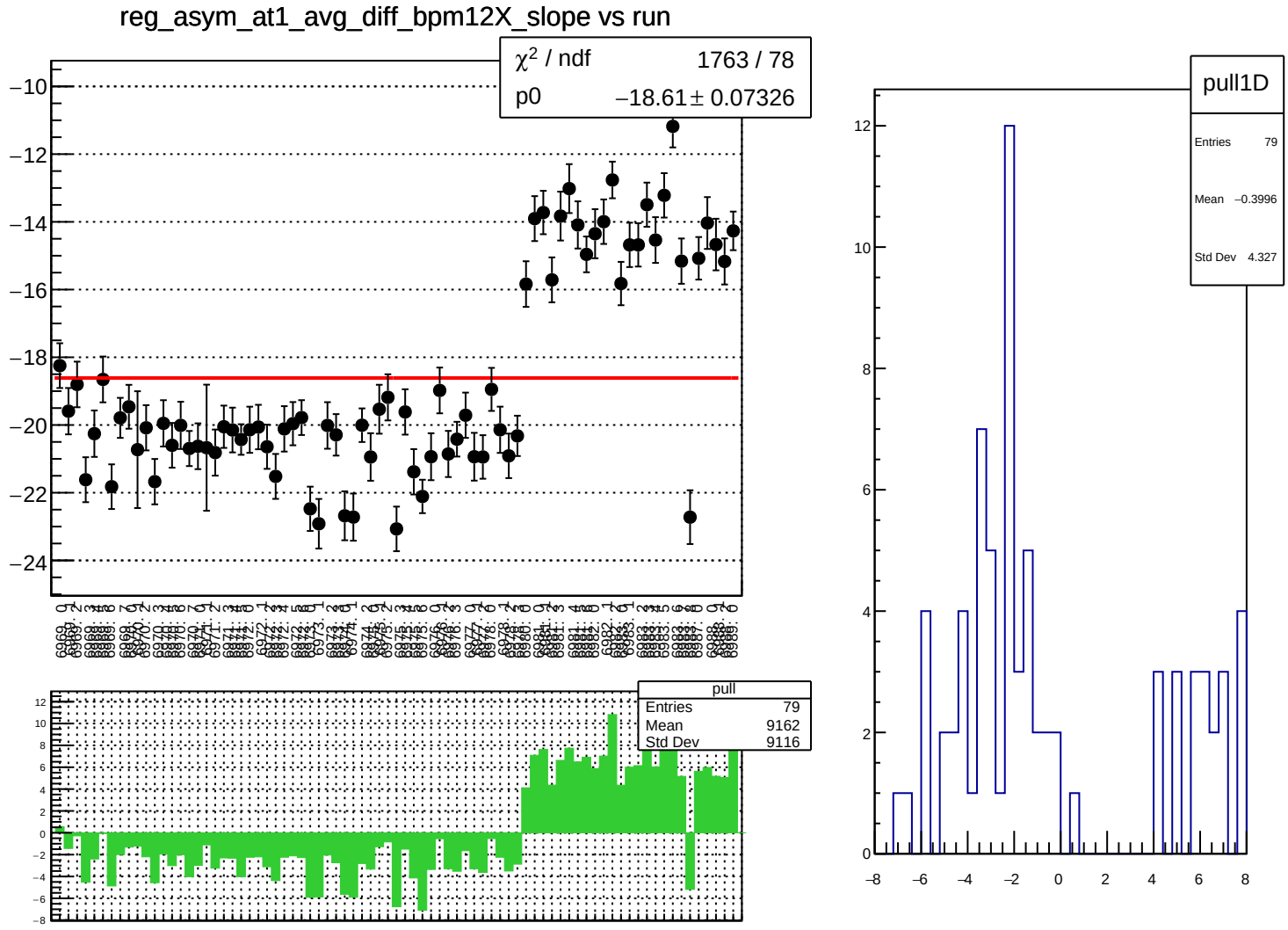

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 103.7 / 78
p0 −33.55 ± 2.362
pull
Entries 79
Mean 442
Std Dev 402.4
pull1D
Entries 79
Mean 0.0216
Std Dev 1.146

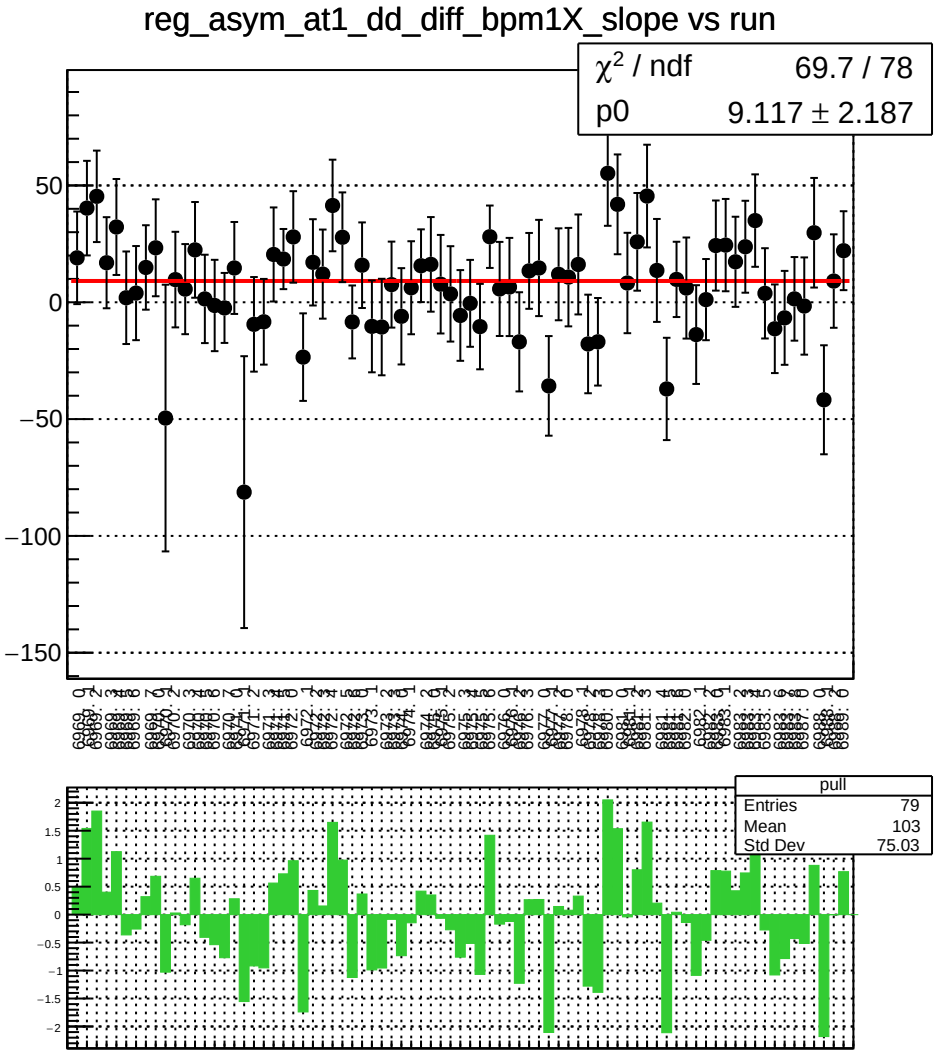

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 105.2 / 78
p0 8.122 ± 1.677
pull
Entries 79
Mean 96.6
Std Dev 61.56
pull1D
Entries 79
Mean −0.02984
Std Dev 1.154

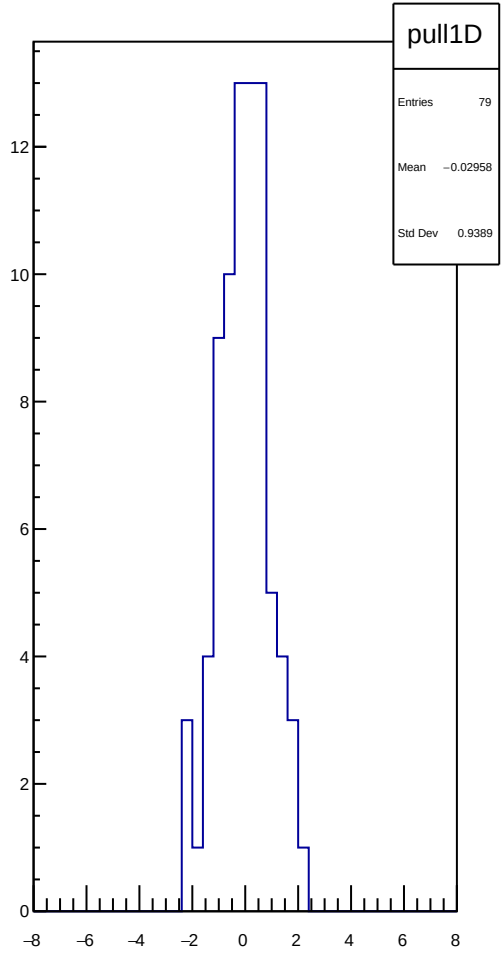

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 104.9 / 78
p0 21.36 ± 2.173
pull
Entries 79
Mean 595.5
Std Dev 556.1
pull1D
Entries 79
Mean −0.01634
Std Dev 1.152

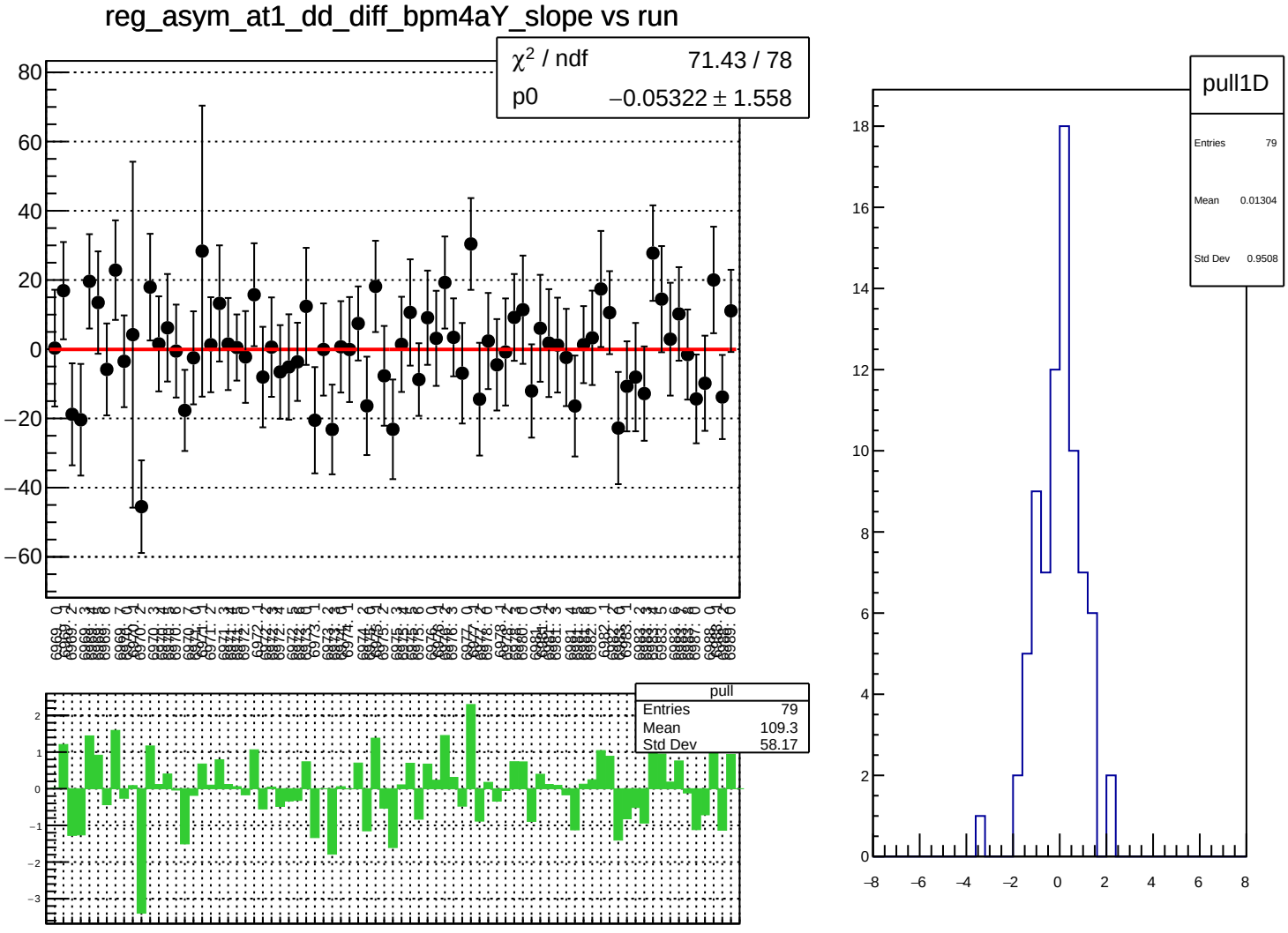

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 108.7 / 78
p0 −13.99 ± 1.921
pull
Entries 79
Mean 122.7
Std Dev 89.43

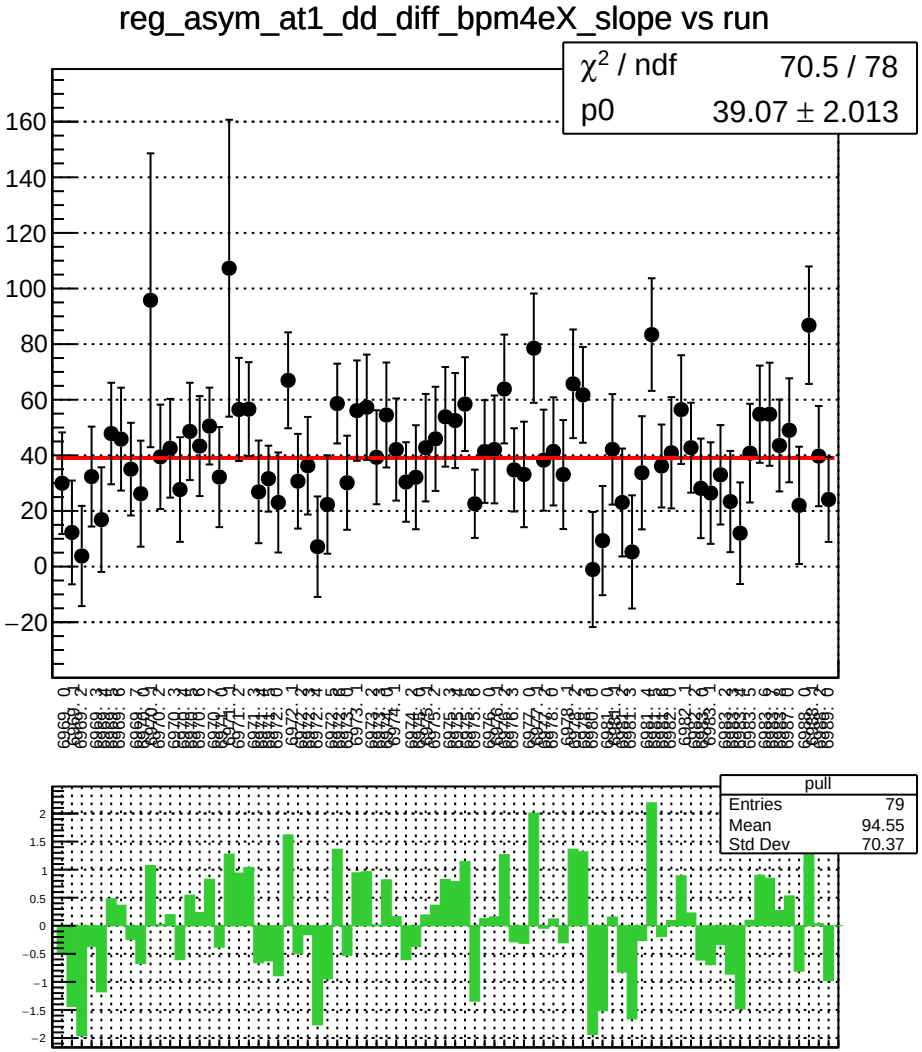

pull1D
Entries 79
Mean 0.02582
Std Dev 1.173

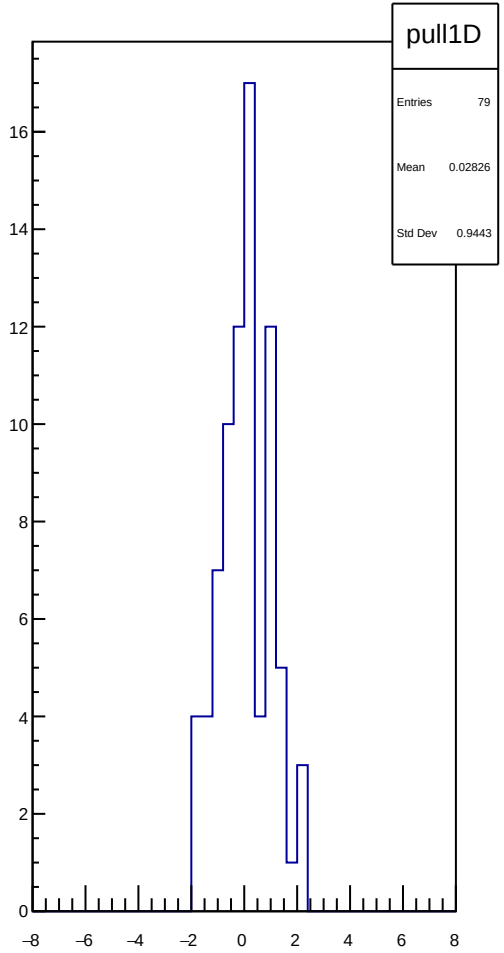

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ^2 / ndf 1763 / 78
p0 −18.61 ± 0.07326
pull
Entries 79
Mean 9162
Std Dev 9116
pull1D
Entries 79
Mean −0.3996
Std Dev 4.327

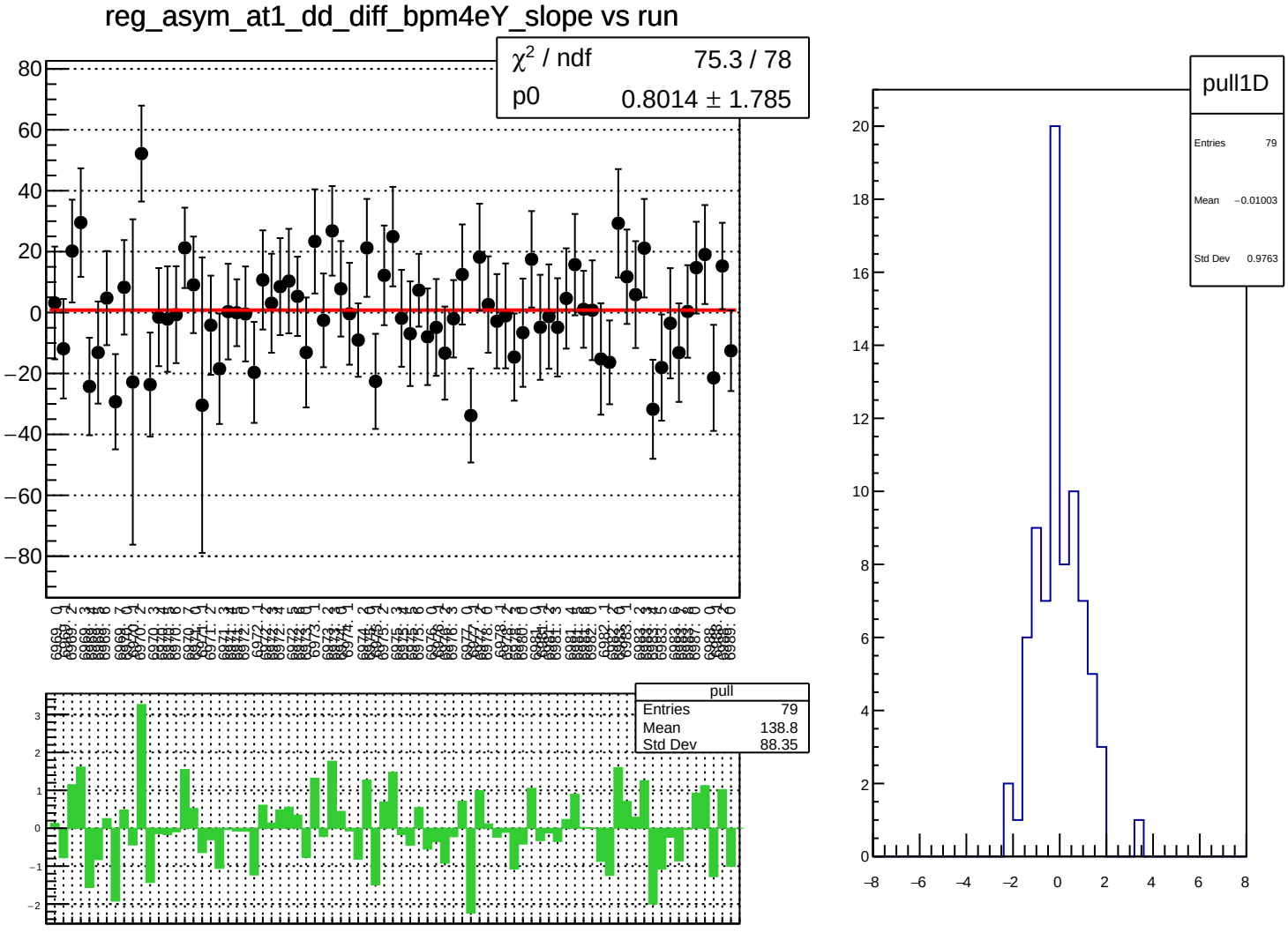

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 69.7 / 78
p0 9.117 ± 2.187
pull
Entries 79
Mean 103
Std Dev 75.03

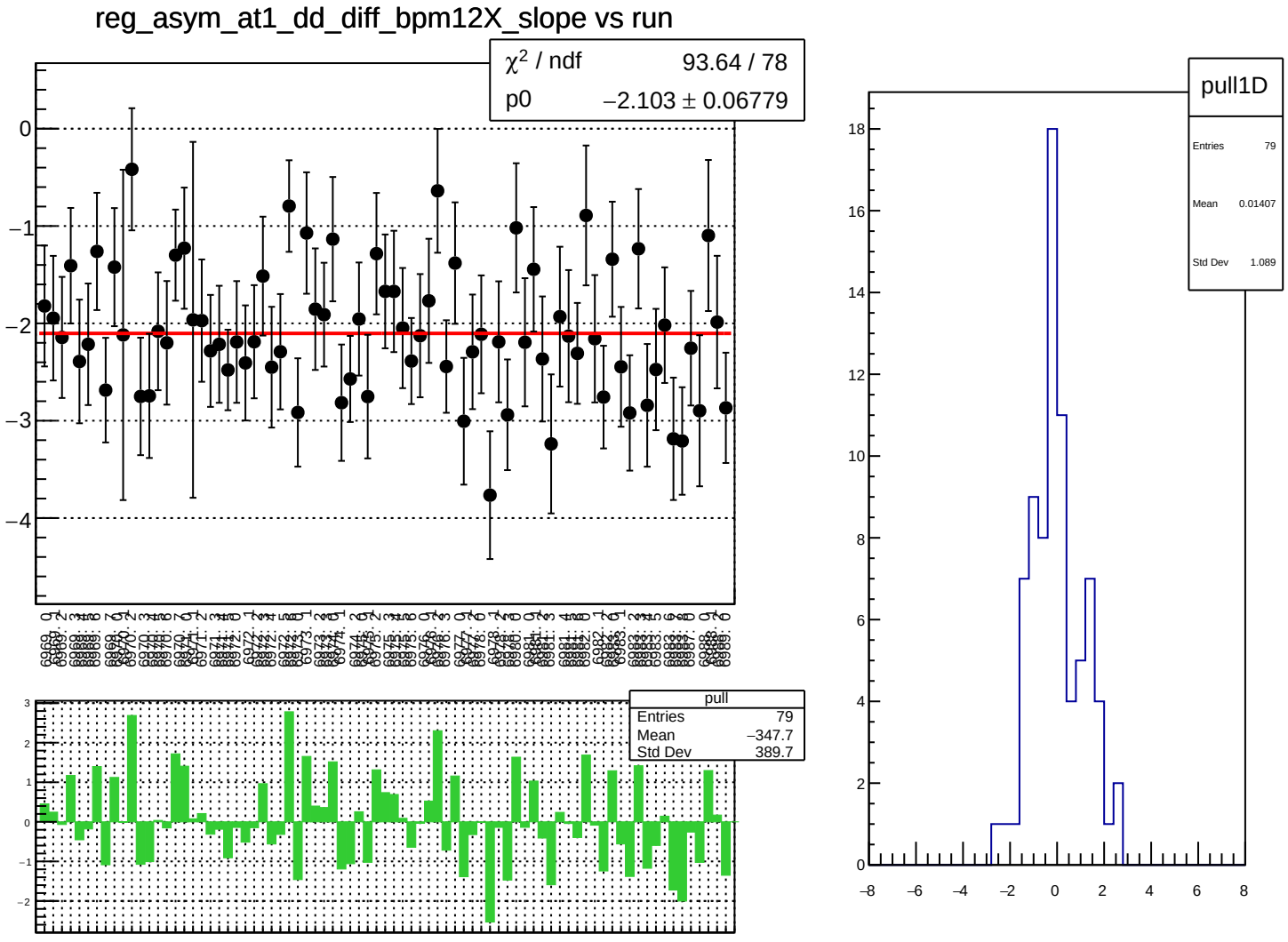

pull1D
Entries 79
Mean −0.02958
Std Dev 0.9389

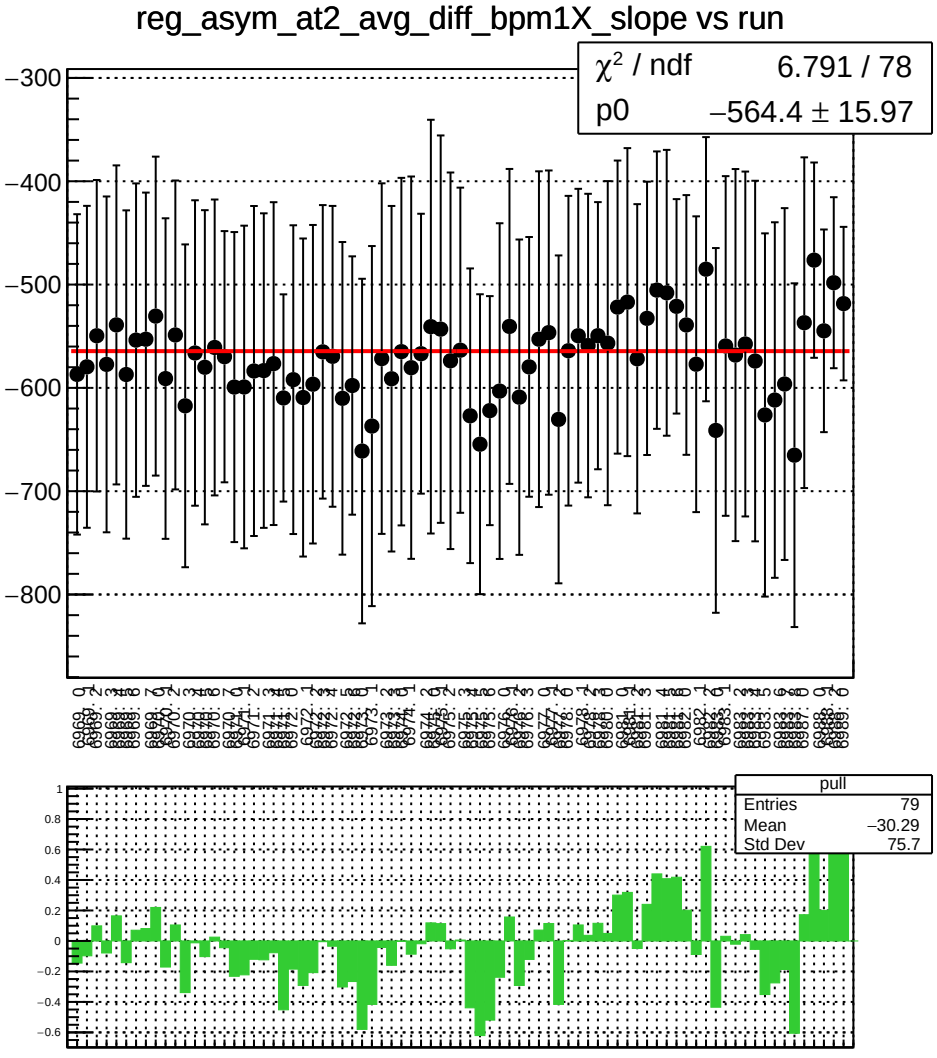

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 71.43 / 78
p0 −0.05322 ± 1.558
pull
Entries 79
Mean 109.3
Std Dev 58.17
pull1D
Entries 79
Mean 0.01304
Std Dev 0.9508

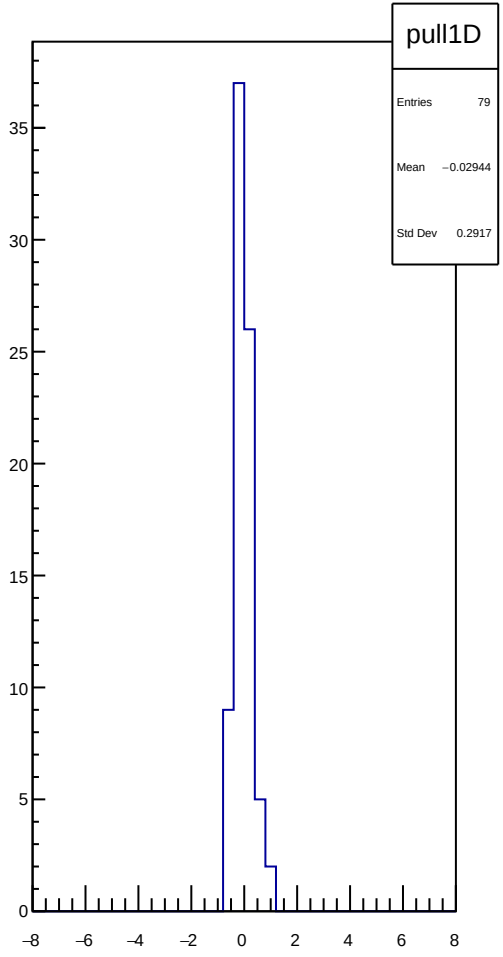

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 70.5 / 78
p0 39.07 ± 2.013
pull
Entries 79
Mean 94.55
Std Dev 70.37

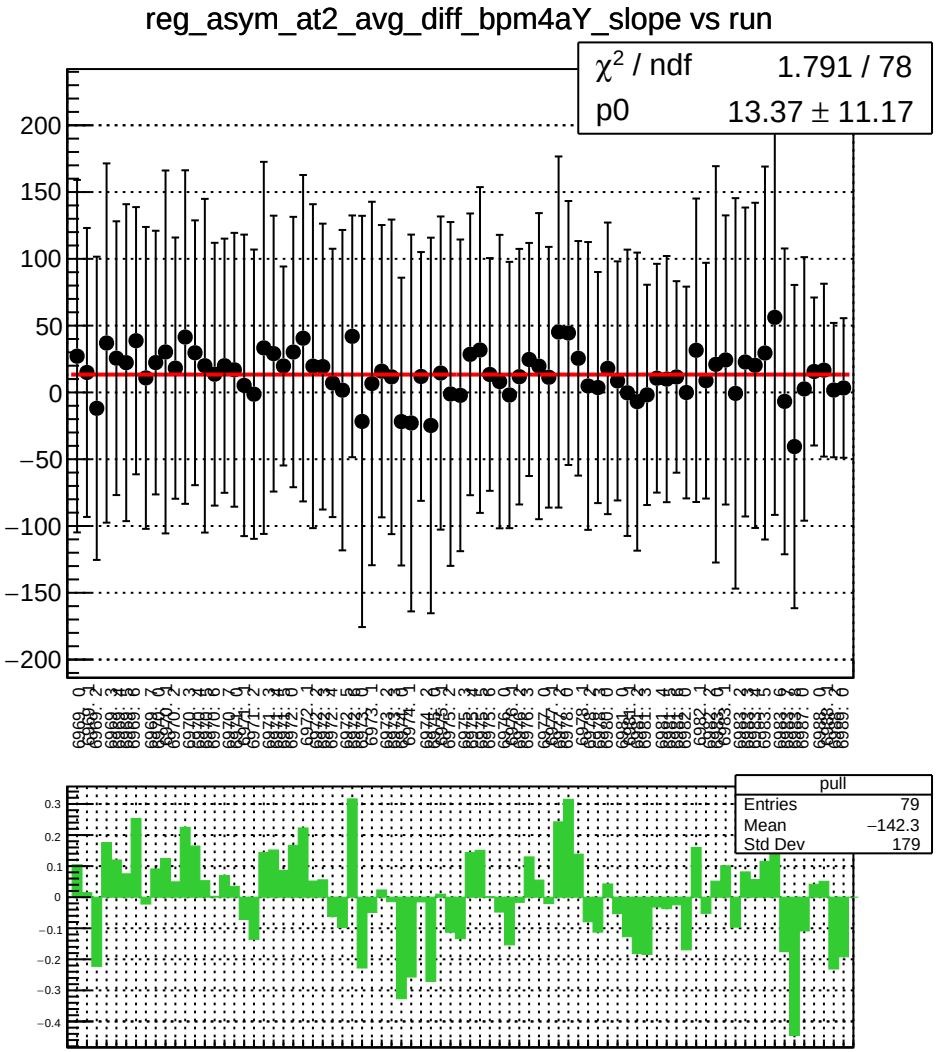

pull1D
Entries 79
Mean 0.02826
Std Dev 0.9443

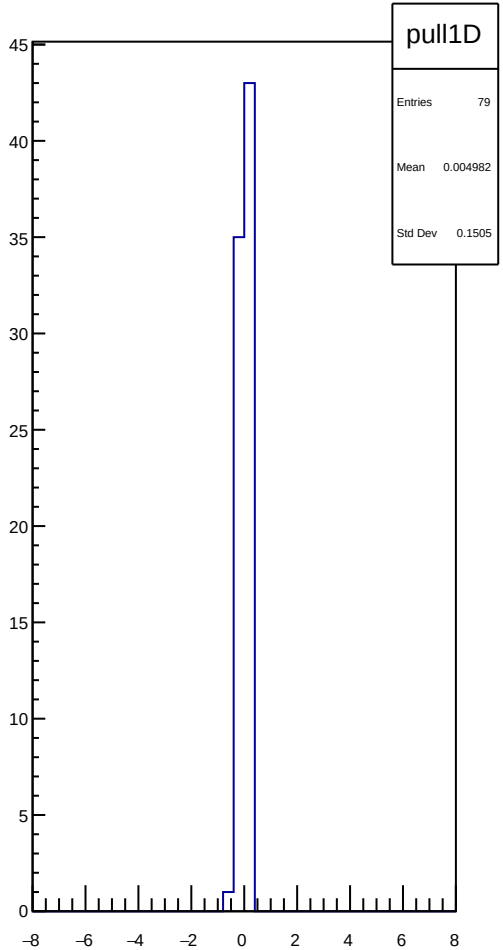

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 75.3 / 78
p0 0.8014 ± 1.785
pull
Entries 79
Mean 138.8
Std Dev 88.35
pull1D
Entries 79
Mean −0.01003
Std Dev 0.9763

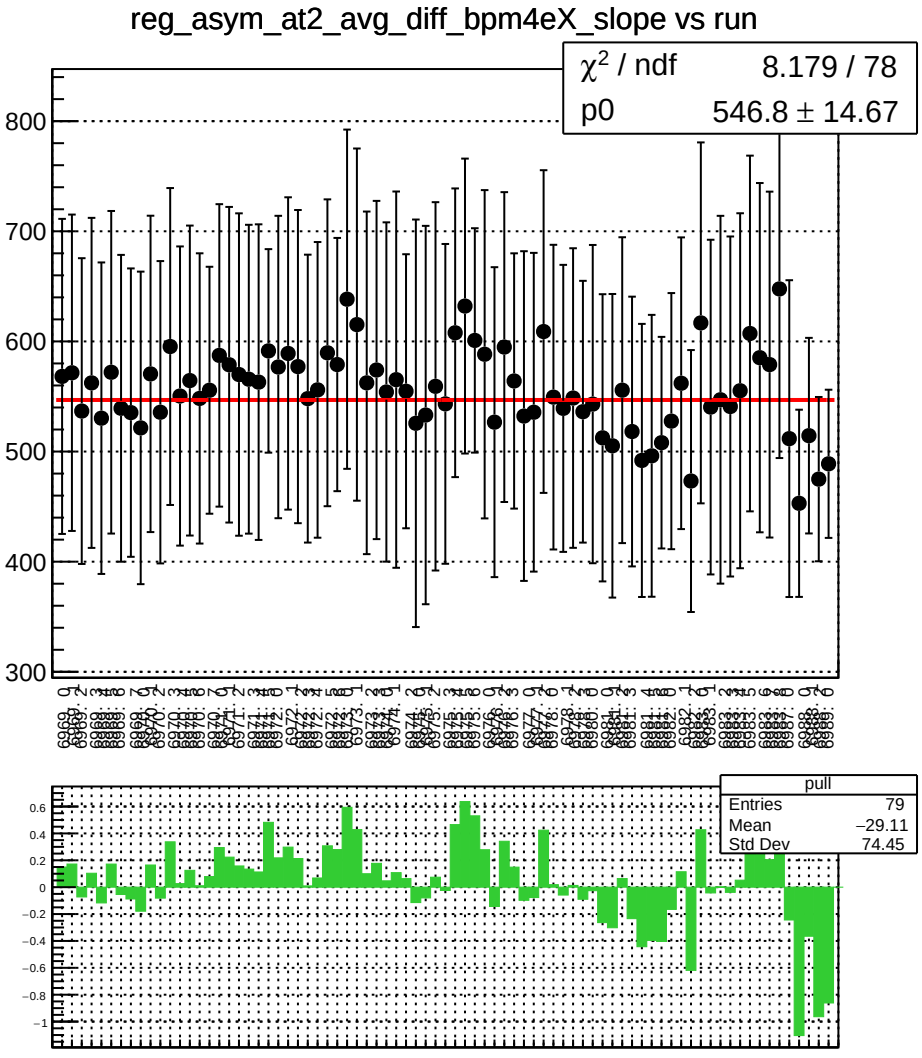

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 93.64 / 78
p0 −2.103 ± 0.06779
pull
Entries 79
Mean −347.7
Std Dev 389.7
pull1D
Entries 79
Mean 0.01407
Std Dev 1.089

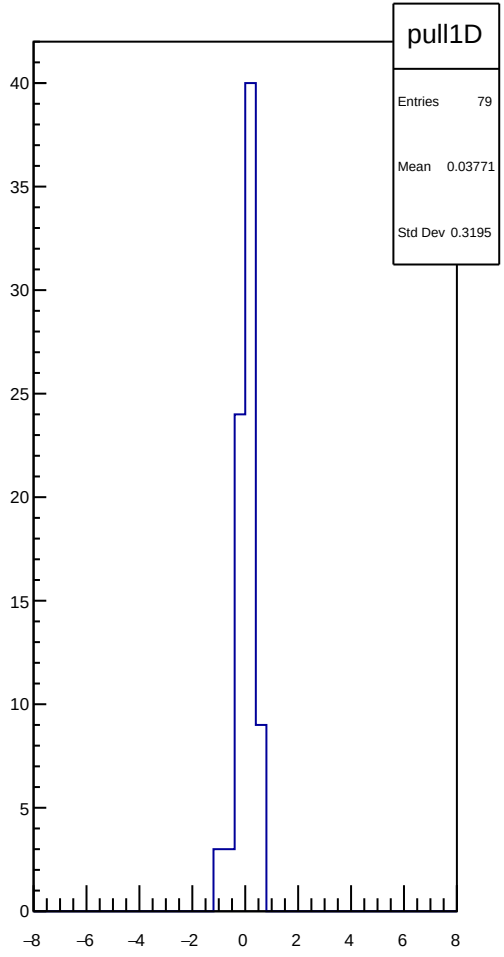

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ^2 / ndf 6.791 / 78
p0 −564.4 ± 15.97
pull
Entries 79
Mean −30.29
Std Dev 75.7

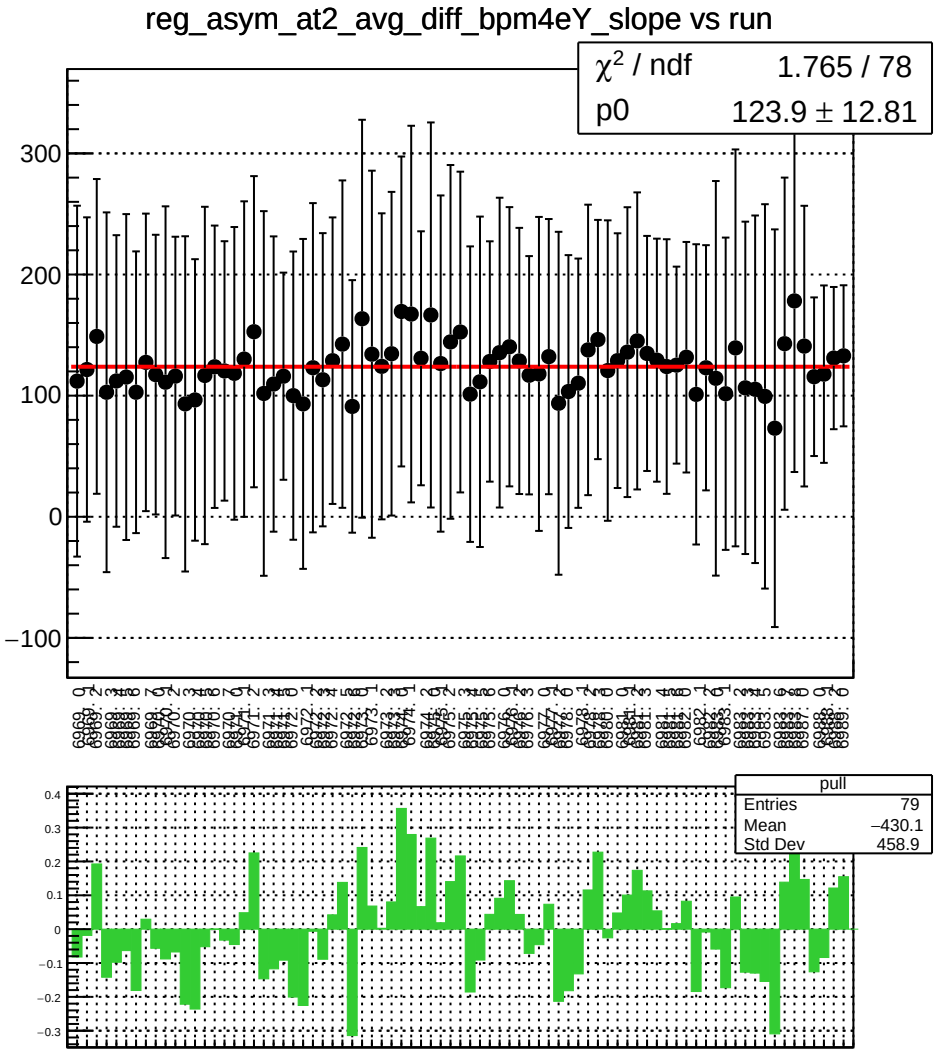

pull1D
Entries 79
Mean −0.02944
Std Dev 0.2917

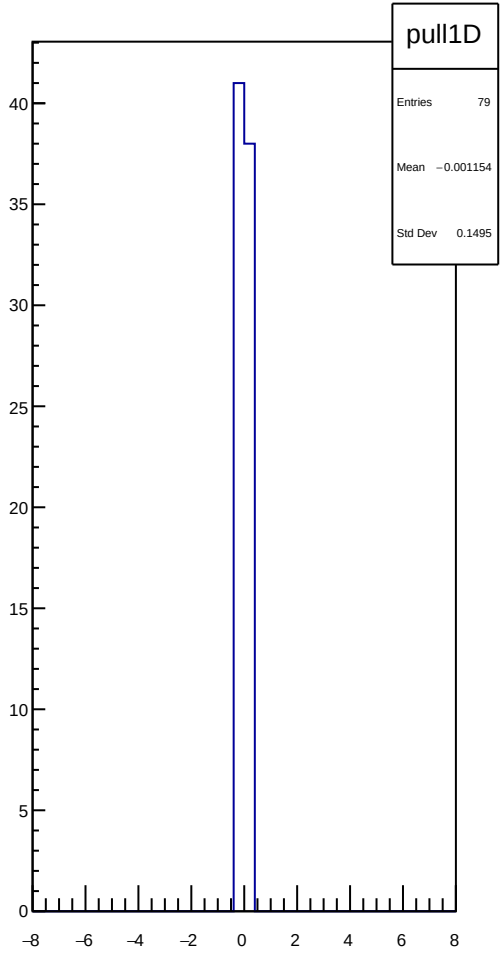

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 1.791 / 78
p0 13.37 ± 11.17
pull
Entries 79
Mean −142.3
Std Dev 179

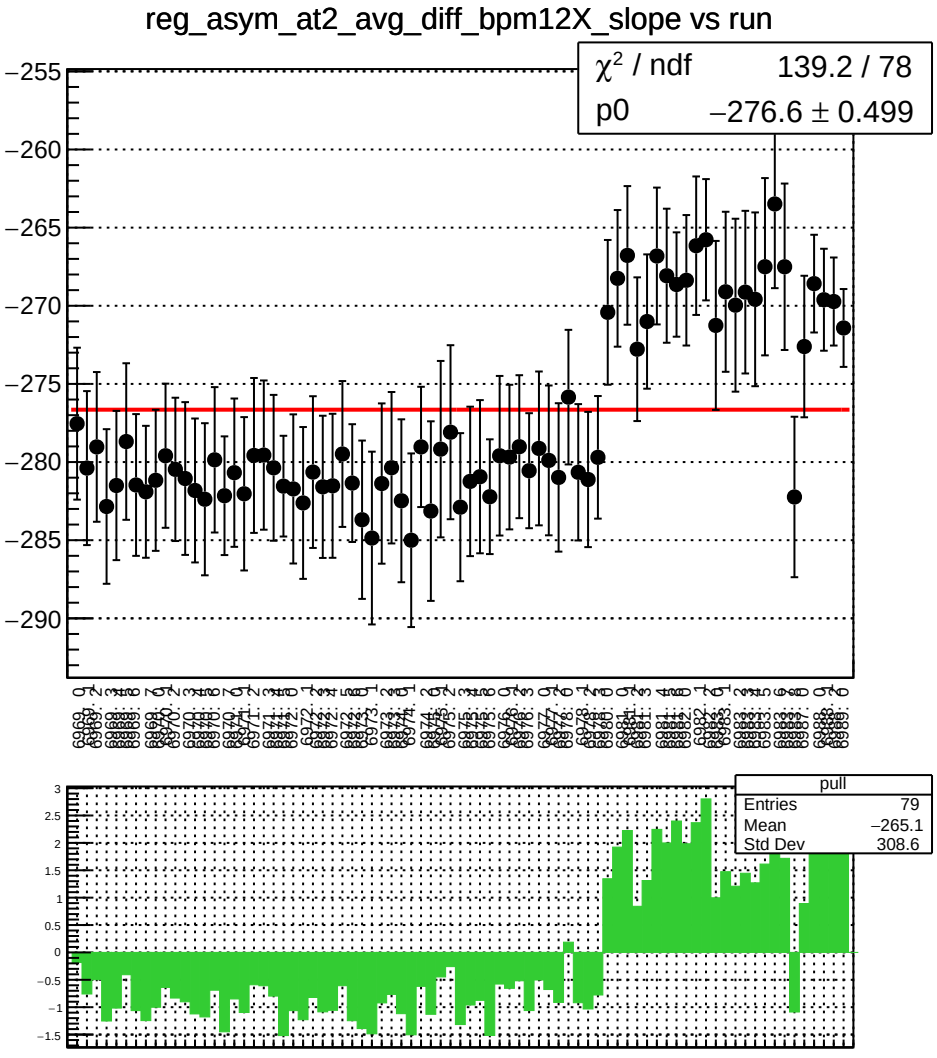

pull1D
Entries 79
Mean 0.004982
Std Dev 0.1505

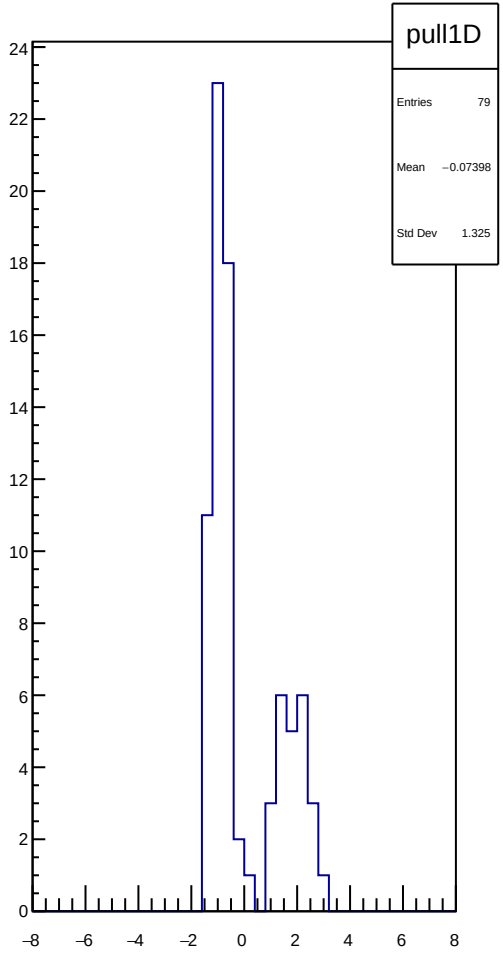

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 8.179 / 78
p0 546.8 ± 14.67
pull
Entries 79
Mean −29.11
Std Dev 74.45

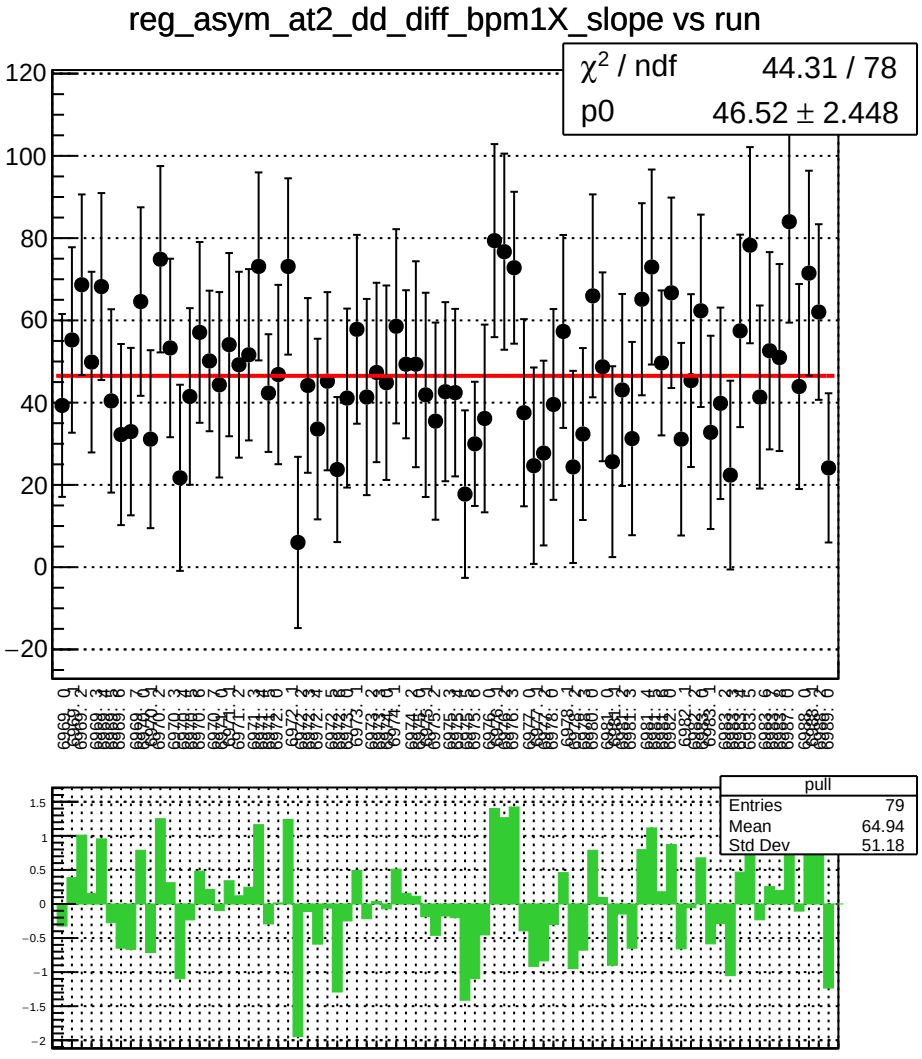

pull1D
Entries 79
Mean 0.03771
Std Dev 0.3195

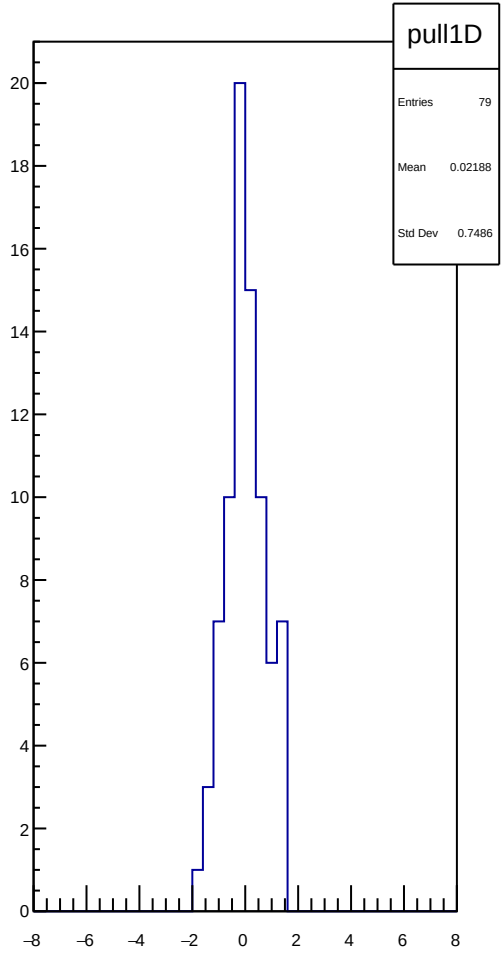

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 1.765 / 78
p0 123.9 ± 12.81
pull
Entries 79
Mean −430.1
Std Dev 458.9

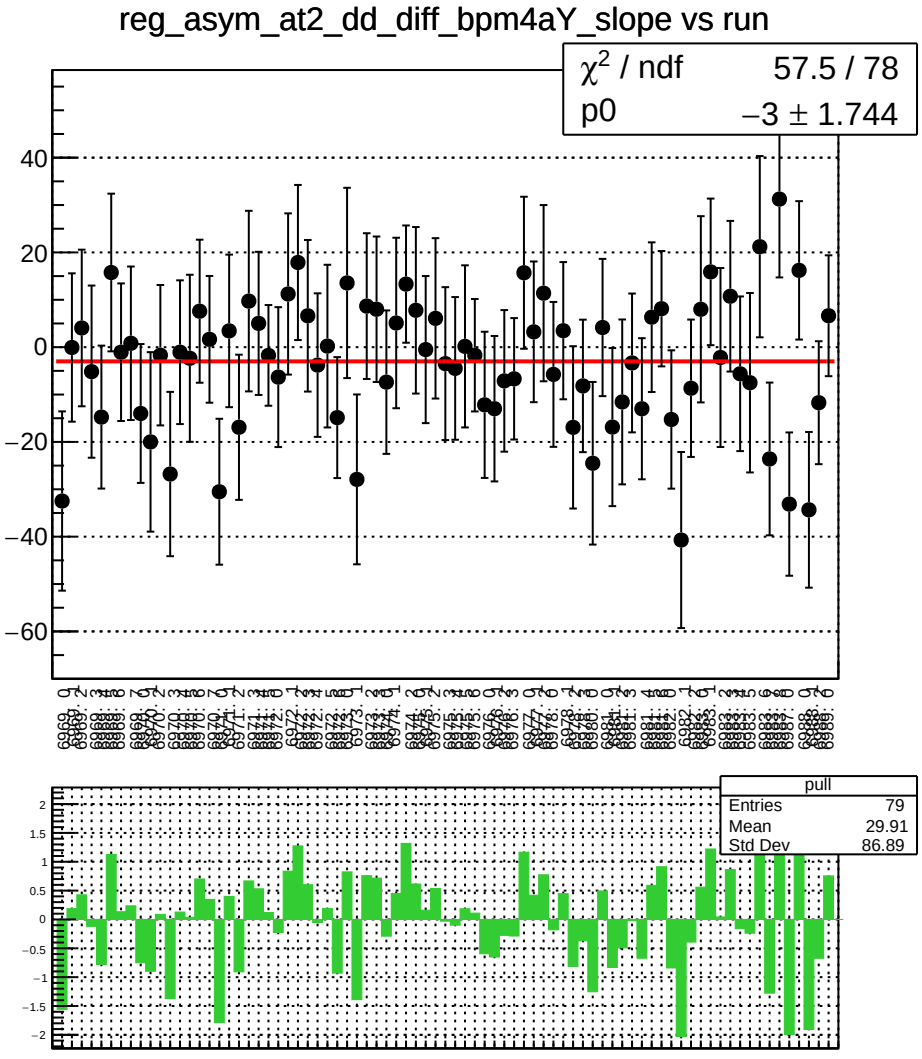

pull1D
Entries 79
Mean −0.001154
Std Dev 0.1495

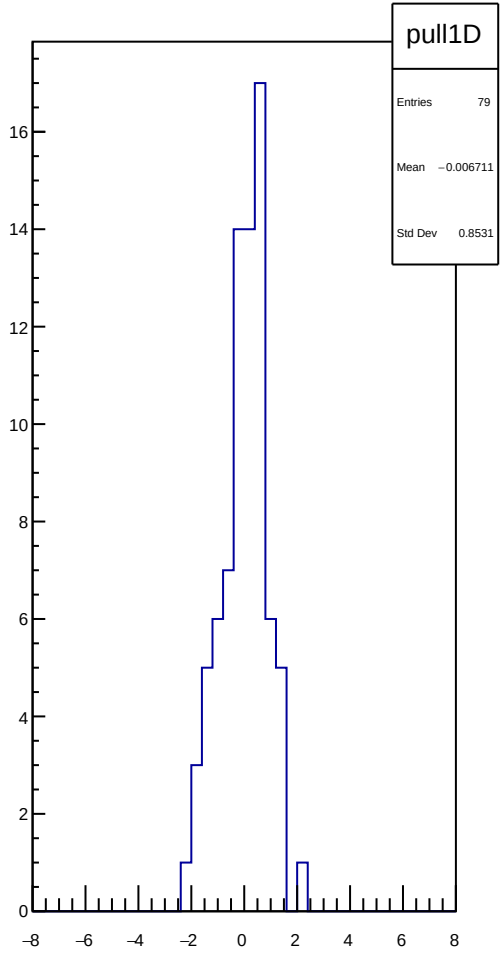

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ^2 / ndf 139.2 / 78
p0 −276.6 ± 0.499
pull
Entries 79
Mean −265.1
Std Dev 308.6

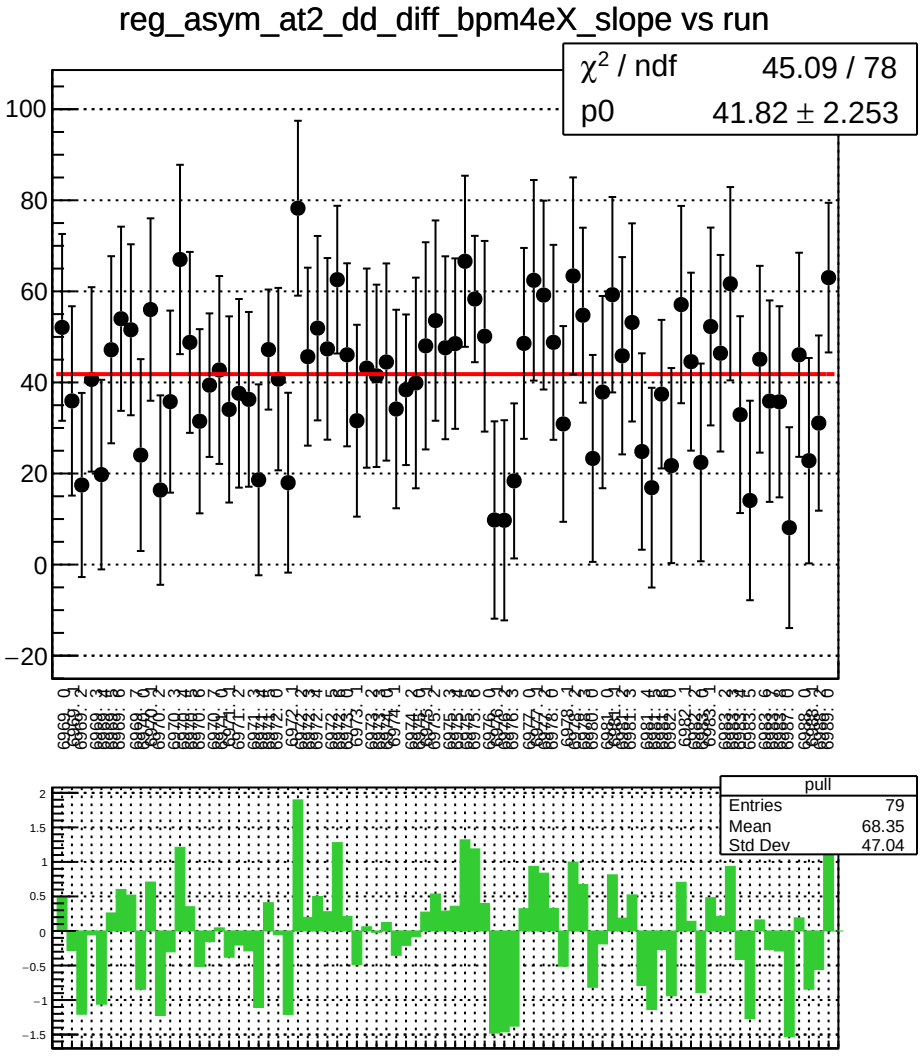

pull1D
Entries 79
Mean −0.07398
Std Dev 1.325

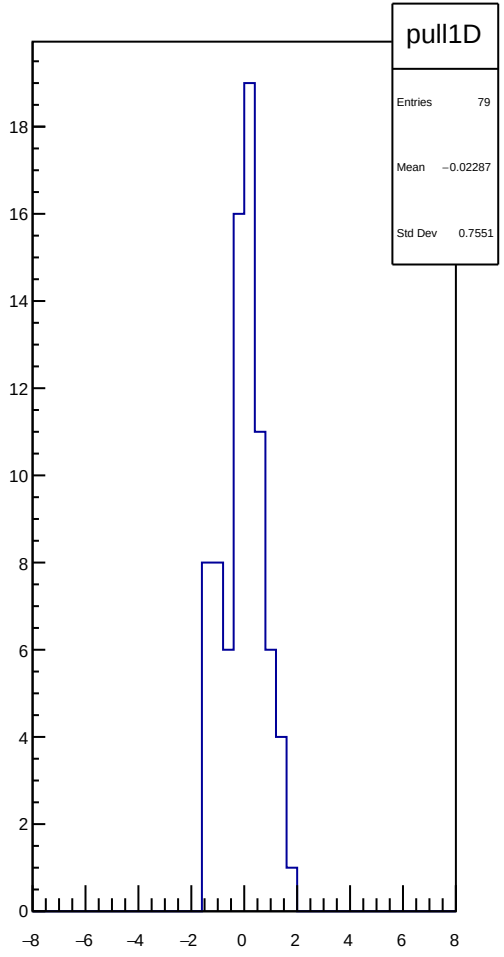

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 44.31 / 78
p0 46.52 ± 2.448
pull
Entries 79
Mean 64.94
Std Dev 51.18

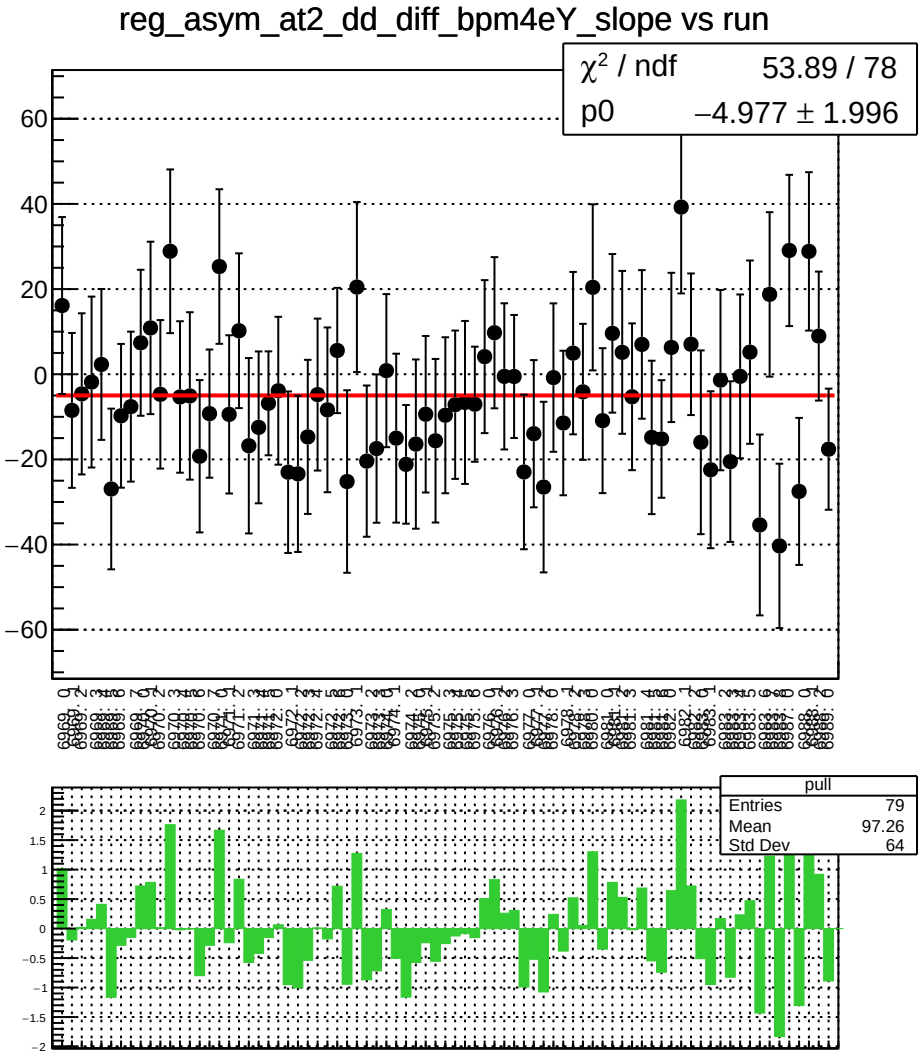

pull1D
Entries 79
Mean 0.02188
Std Dev 0.7486

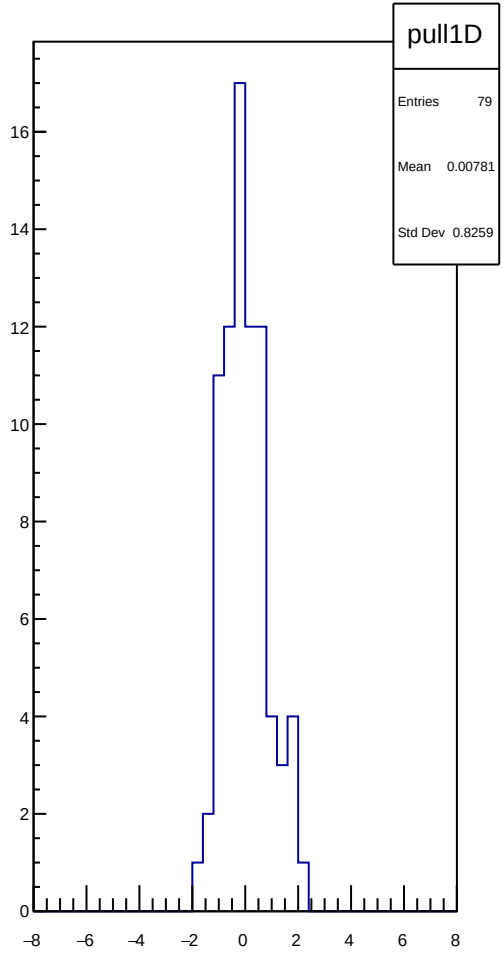

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 57.5 / 78
p0 −3 ± 1.744
pull
Entries 79
Mean 29.91
Std Dev 86.89

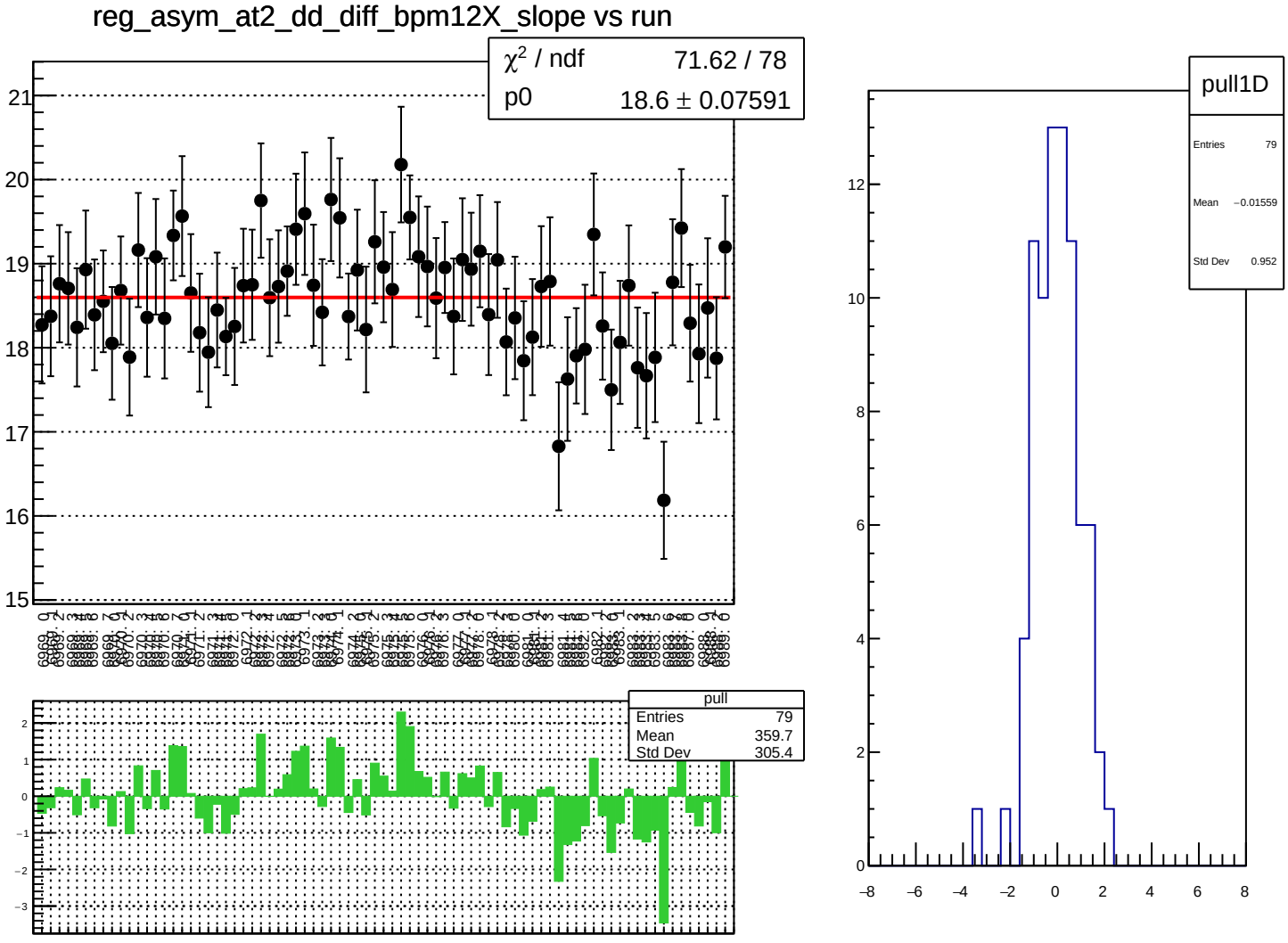

pull1D
Entries 79
Mean −0.006711
Std Dev 0.8531

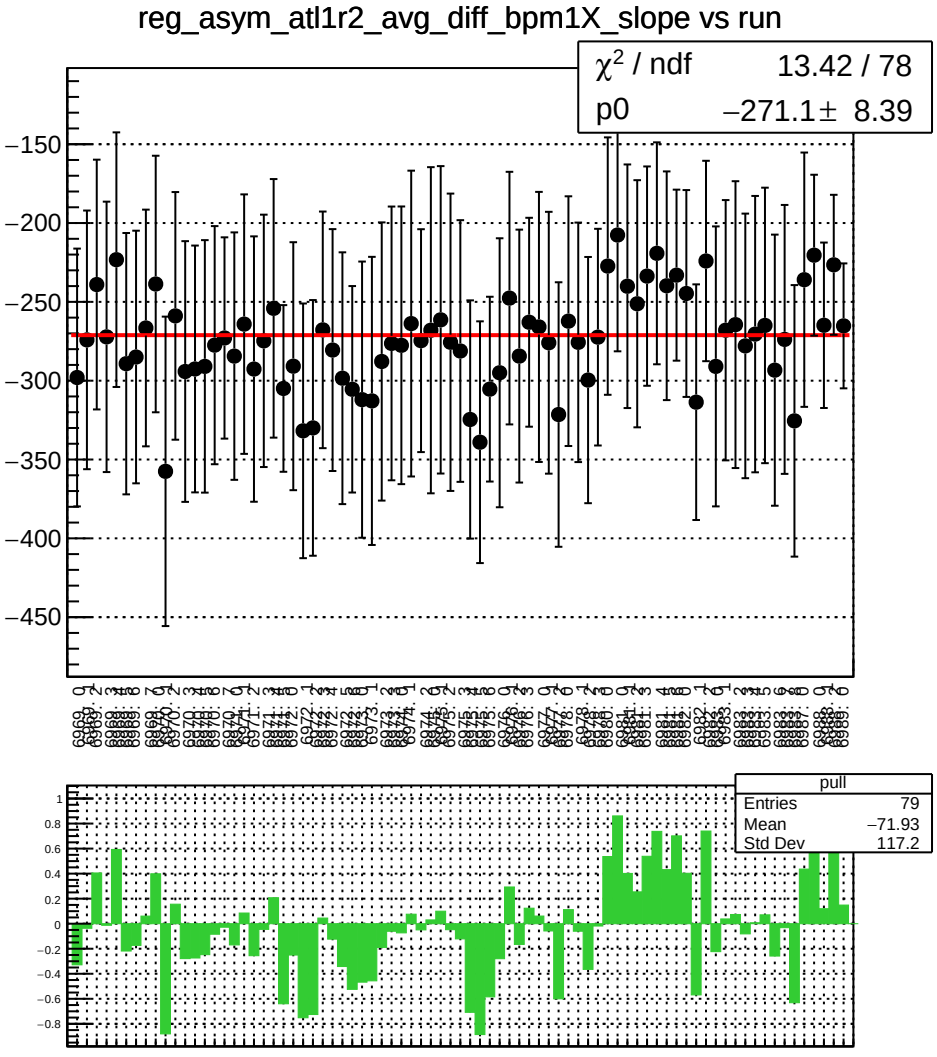

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 45.09 / 78
p0 41.82 ± 2.253
pull
Entries 79
Mean 68.35
Std Dev 47.04

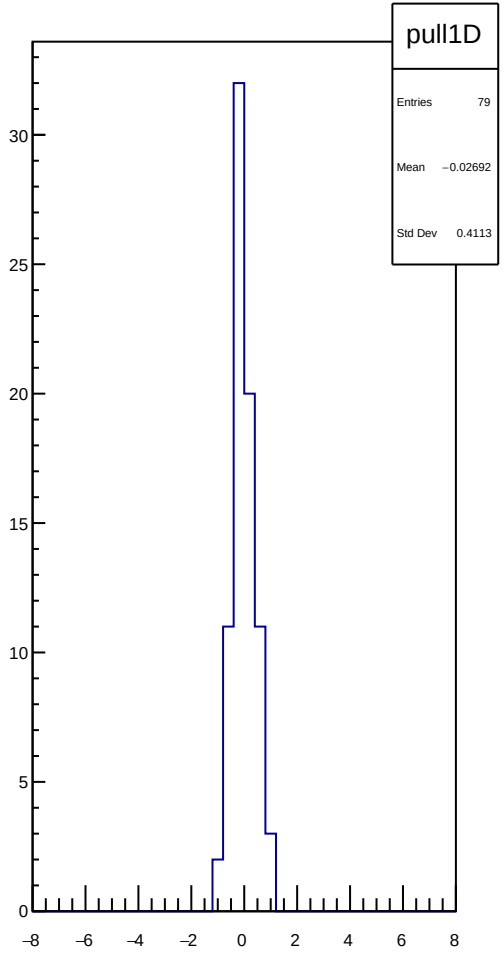

pull1D
Entries 79
Mean −0.02287
Std Dev 0.7551

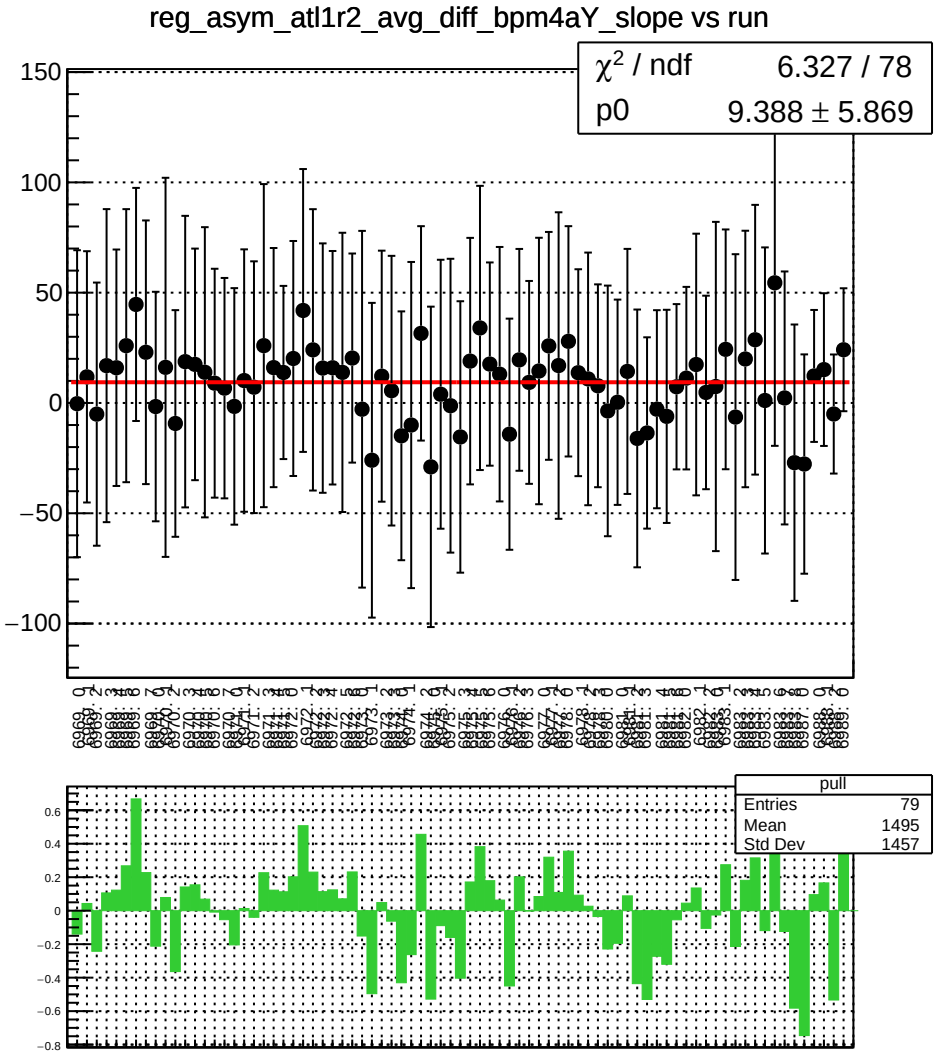

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 53.89 / 78
p0 −4.977 ± 1.996
pull
Entries 79
Mean 97.26
Std Dev 64

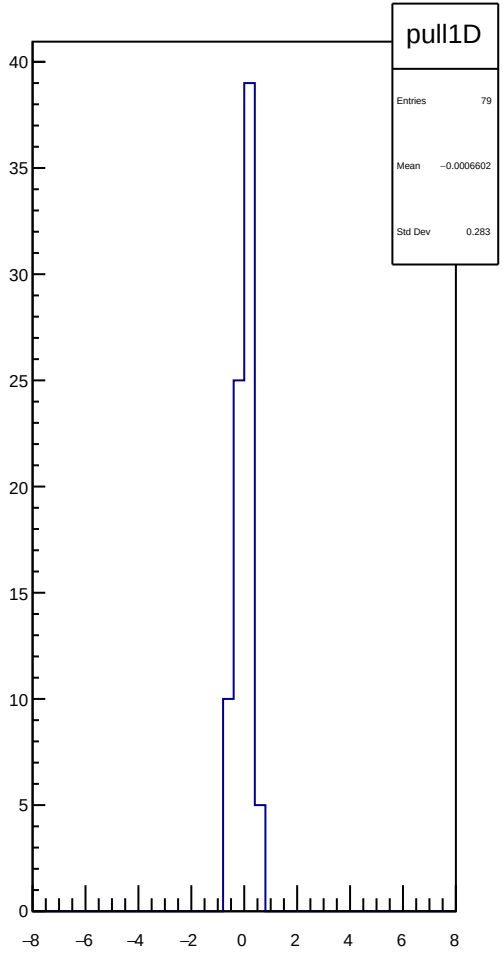

pull1D
Entries 79
Mean 0.00781
Std Dev 0.8259

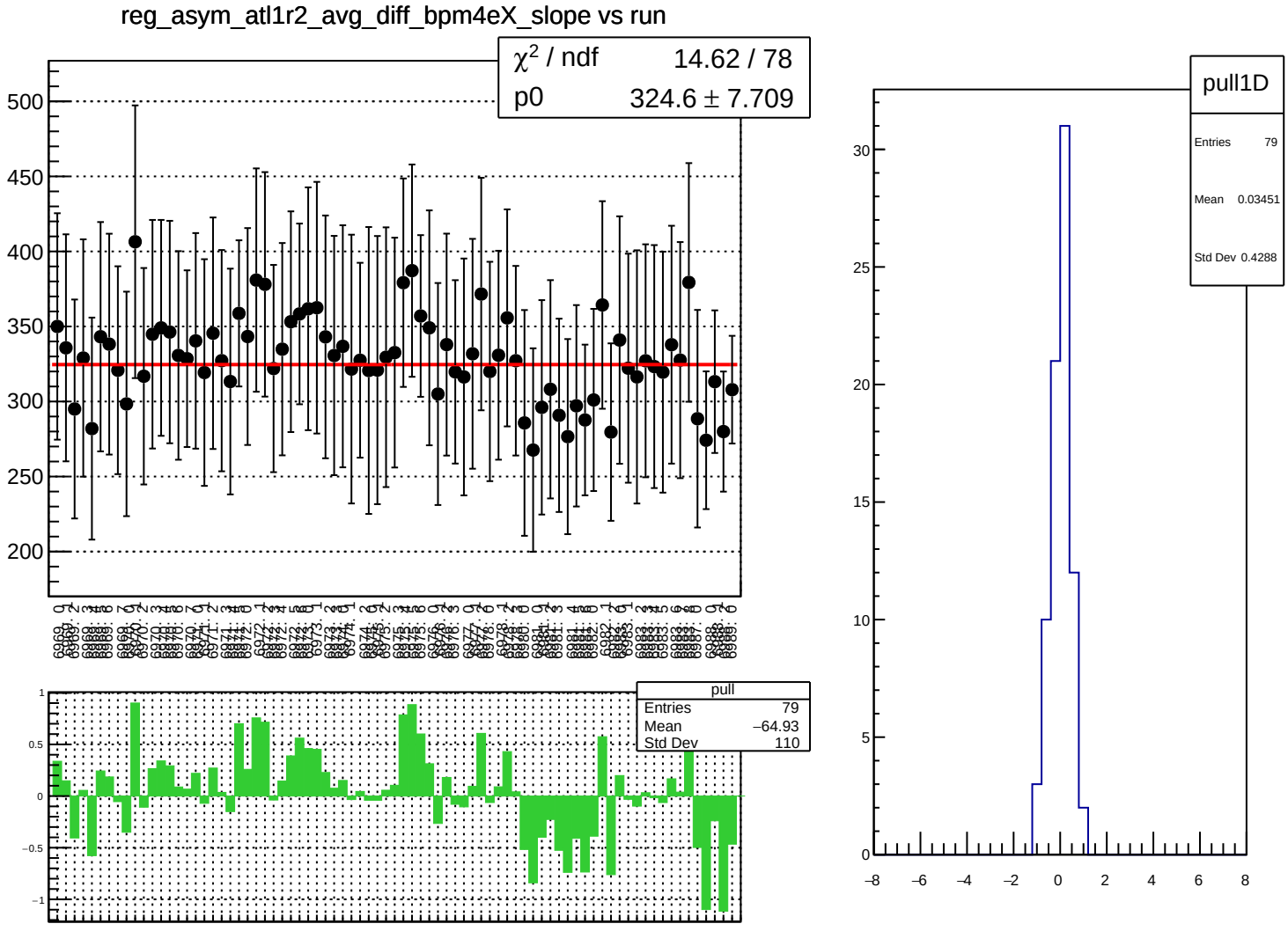

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 71.62 / 78
p0 18.6 ± 0.07591
pull
Entries 79
Mean 359.7
Std Dev 305.4
pull1D
Entries 79
Mean −0.01559
Std Dev 0.952

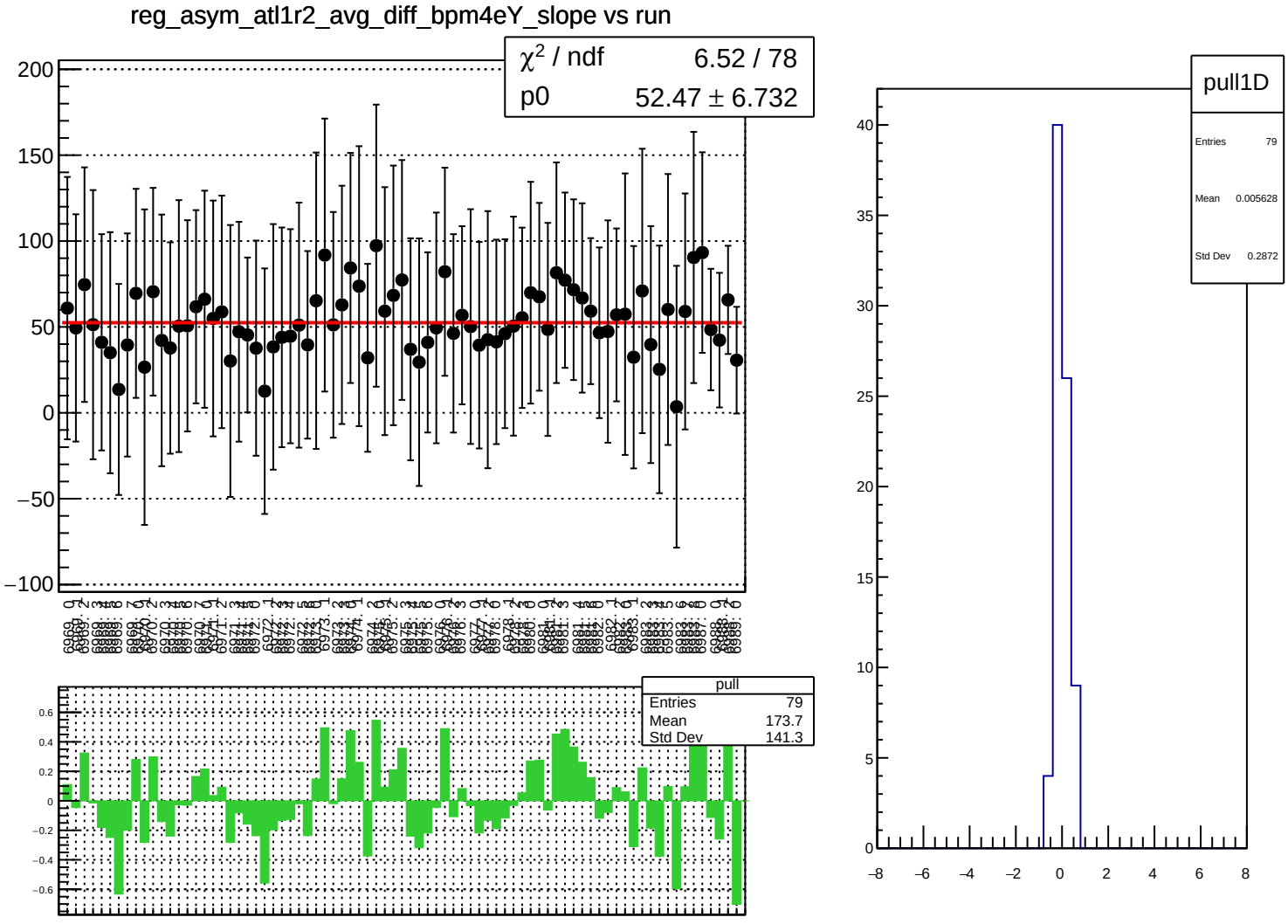

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 13.42 / 78
p0 −271.1 ± 8.39
pull
Entries 79
Mean −71.93
Std Dev 117.2

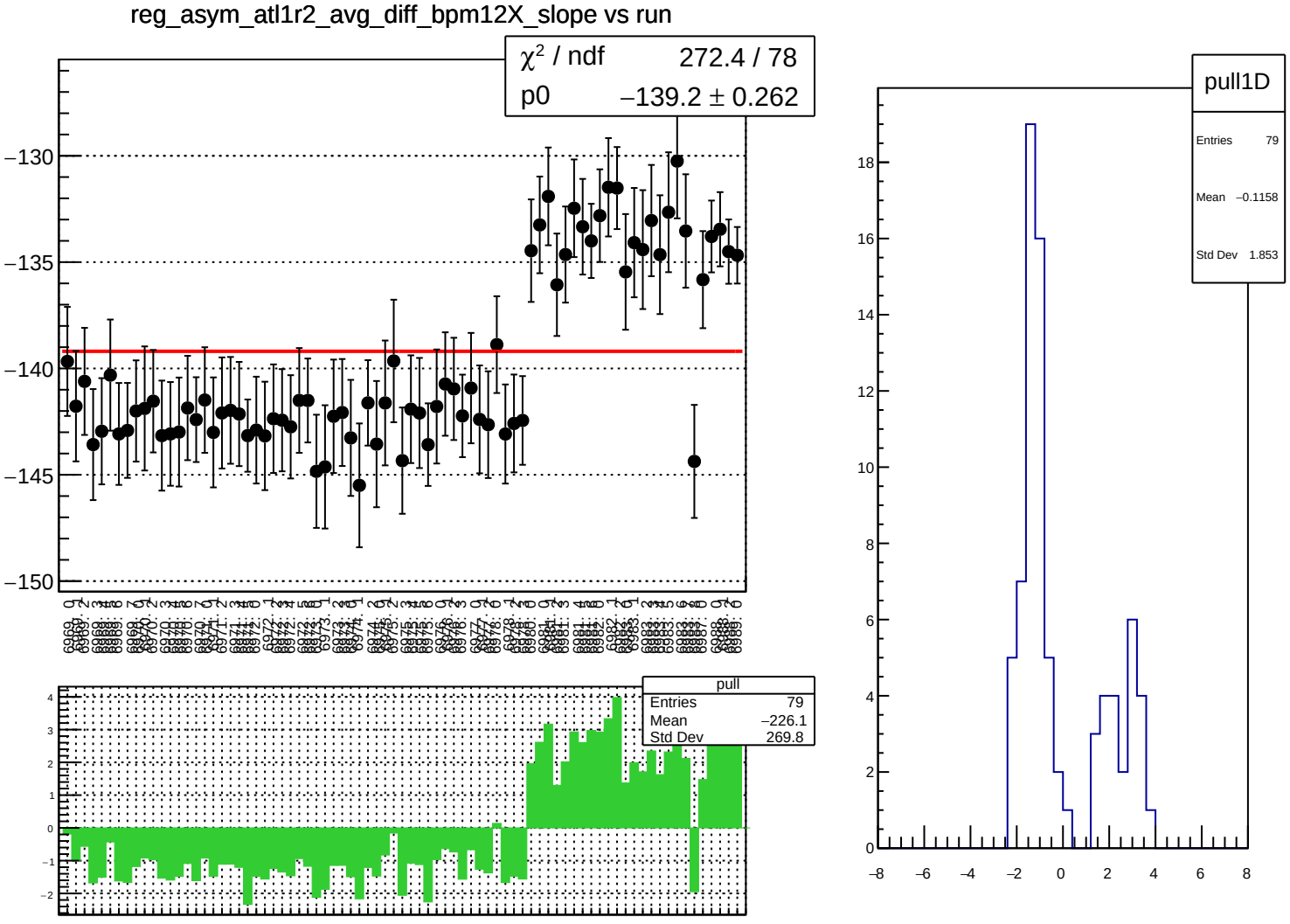

pull1D
Entries 79
Mean −0.02692
Std Dev 0.4113

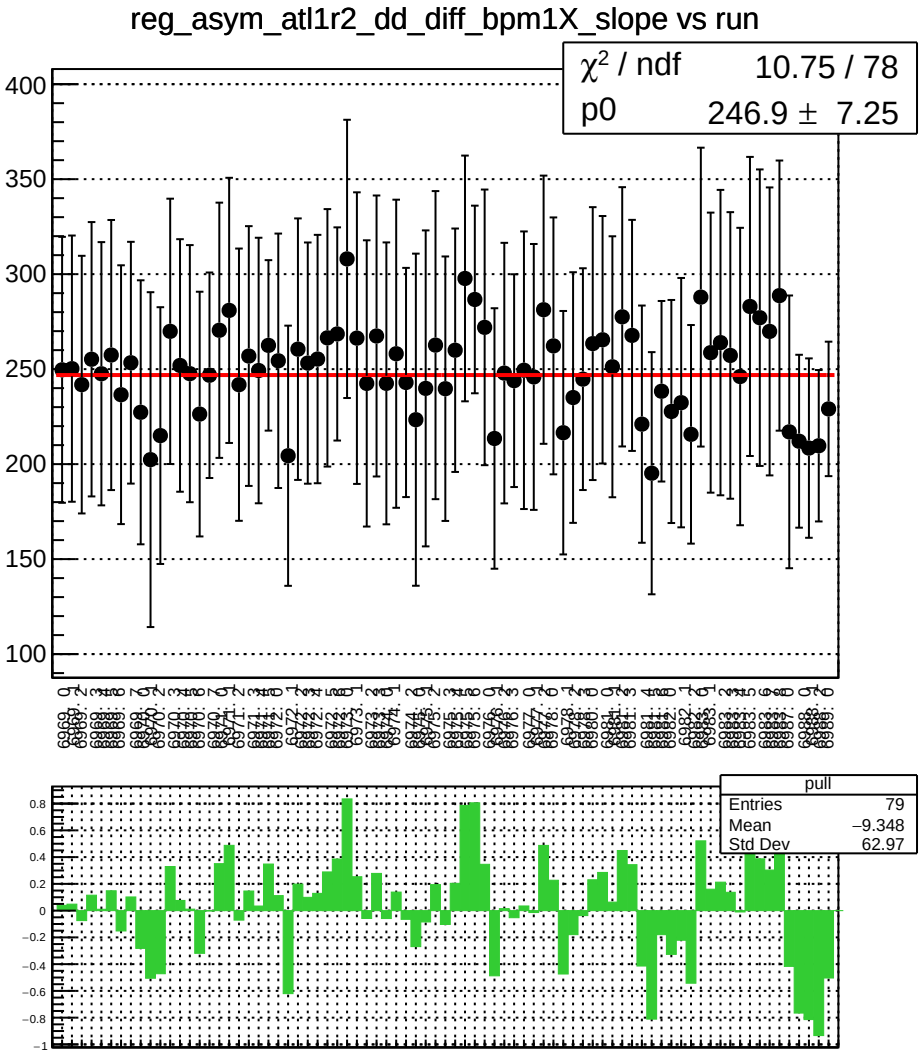

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.327 / 78
p0 9.388 ± 5.869
pull
Entries 79
Mean 1495
Std Dev 1457

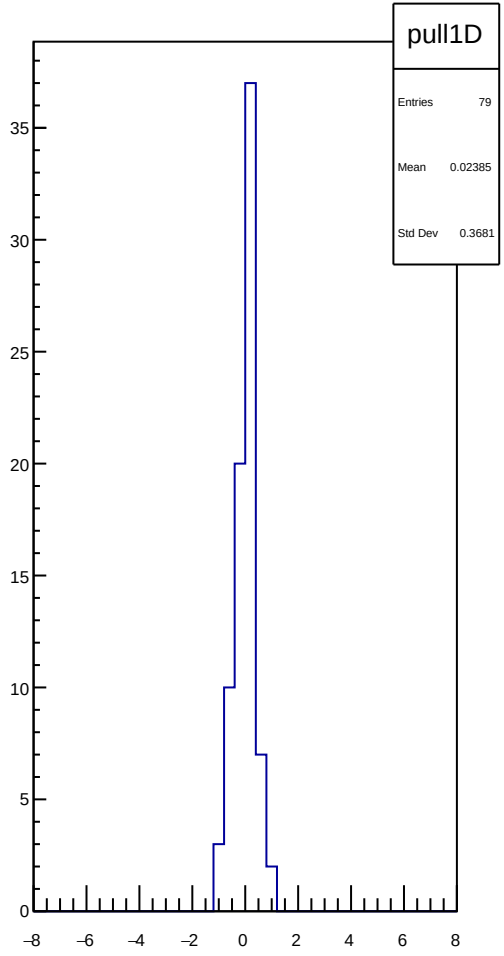

pull1D
Entries 79
Mean −0.0006602
Std Dev 0.283

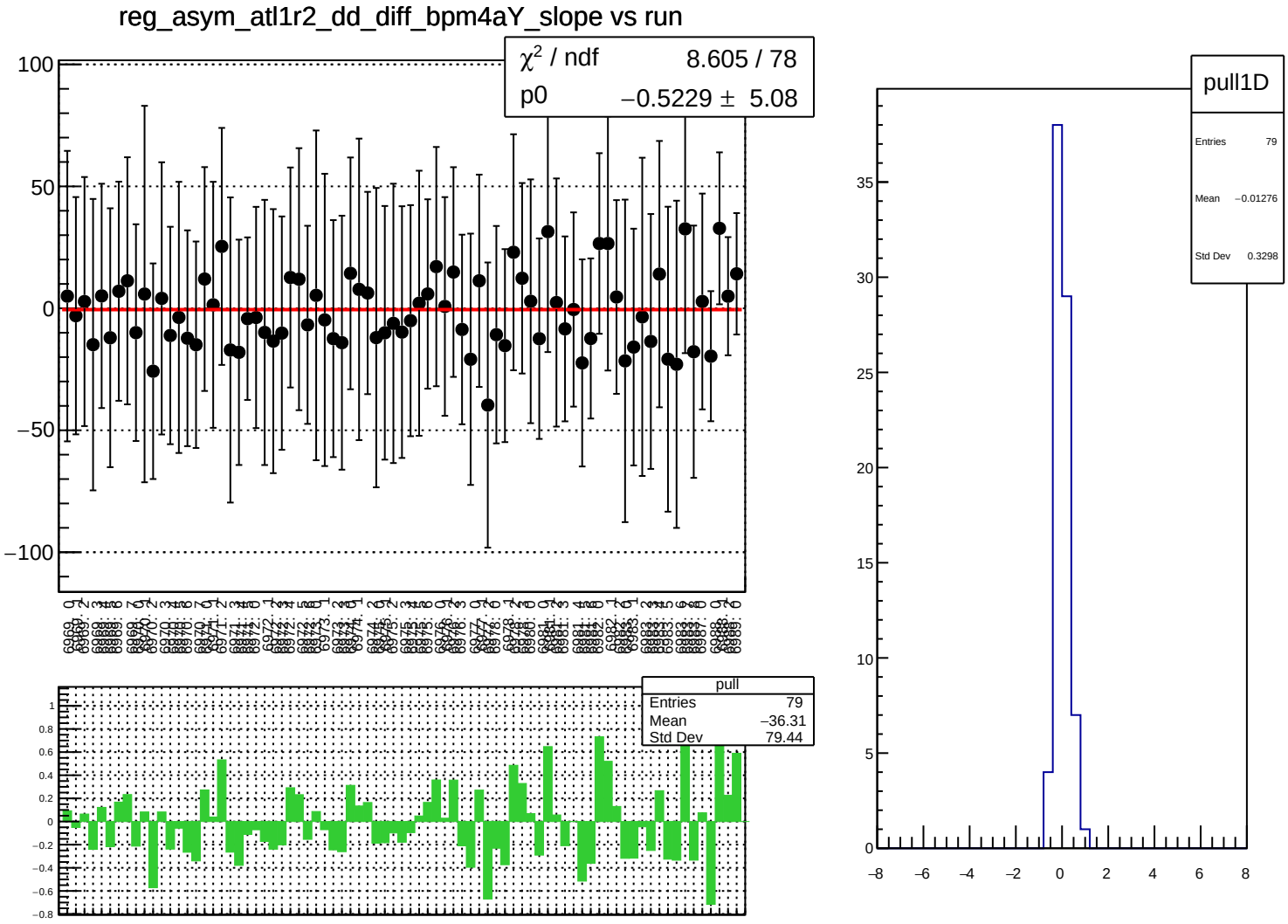

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 14.62 / 78
p0 324.6 ± 7.709
pull
Entries 79
Mean −64.93
Std Dev 110
pull1D
Entries 79
Mean 0.03451
Std Dev 0.4288

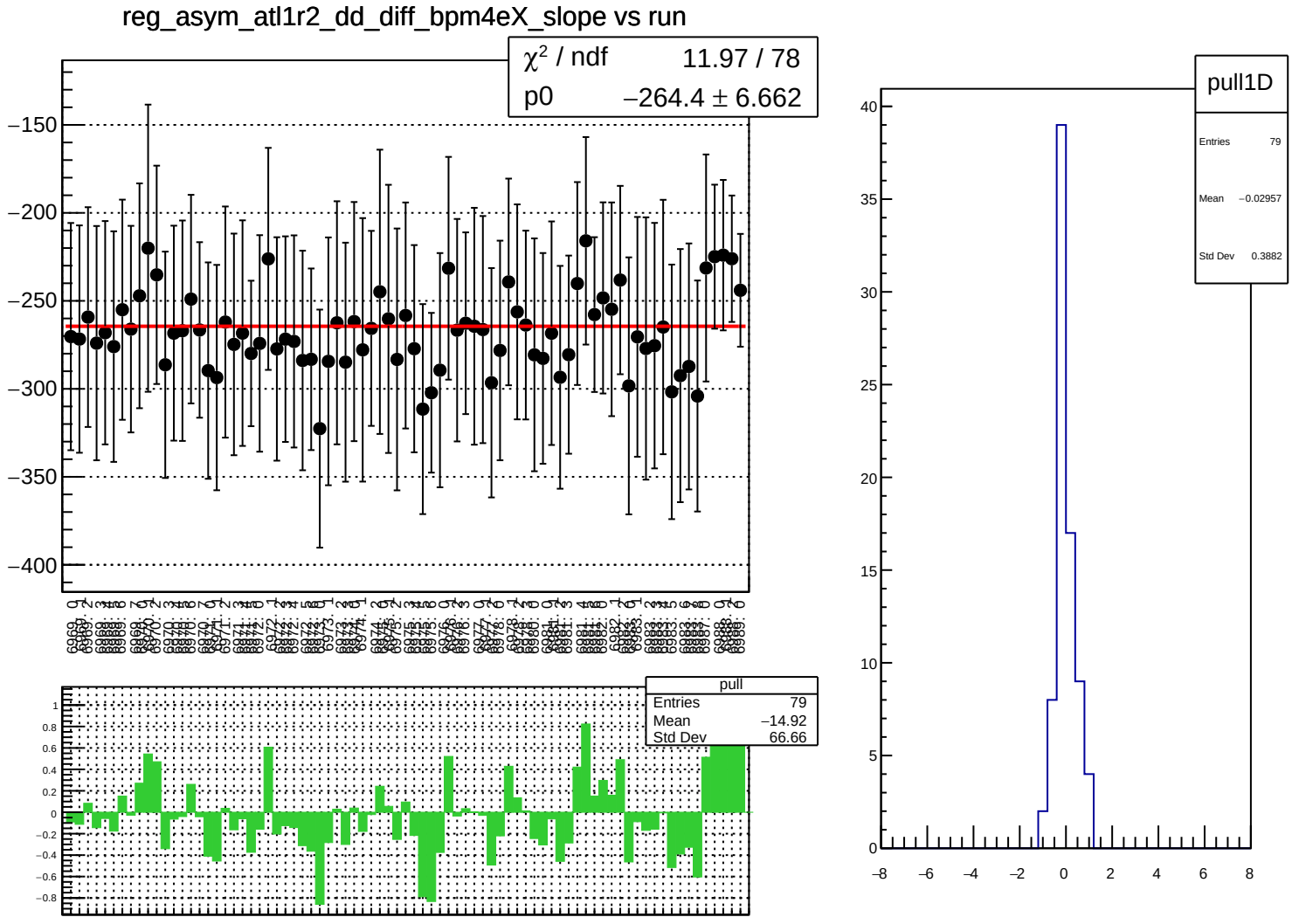

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.52 / 78
p0 52.47 ± 6.732
pull
Entries 79
Mean 173.7
Std Dev 141.3
pull1D
Entries 79
Mean 0.005628
Std Dev 0.2872

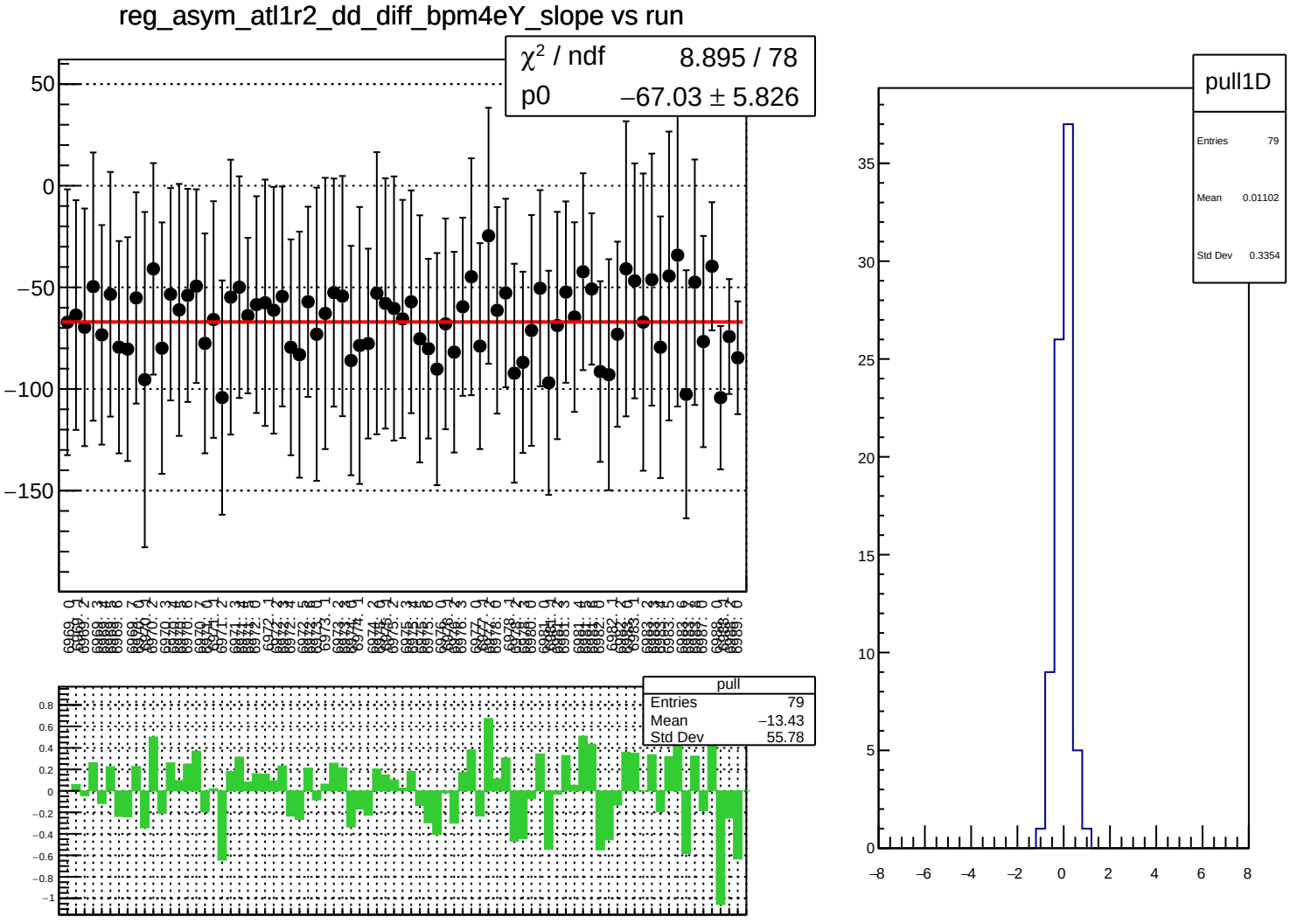

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 272.4 / 78
p0 −139.2 ± 0.262
pull
Entries 79
Mean −226.1
Std Dev 269.8
pull1D
Entries 79
Mean −0.1158
Std Dev 1.853

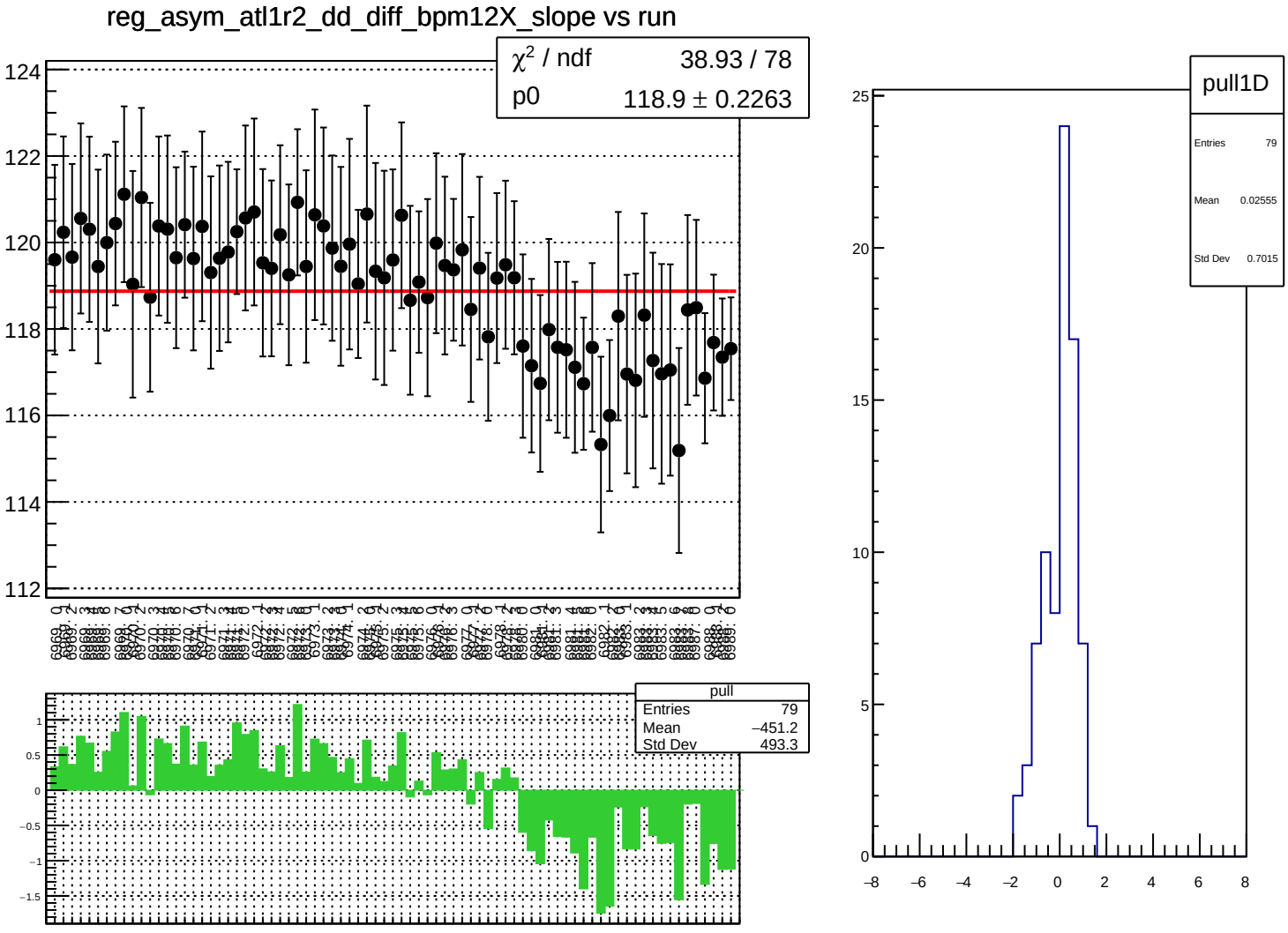

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 10.75 / 78
p0 246.9 ± 7.25
pull
Entries 79
Mean −9.348
Std Dev 62.97

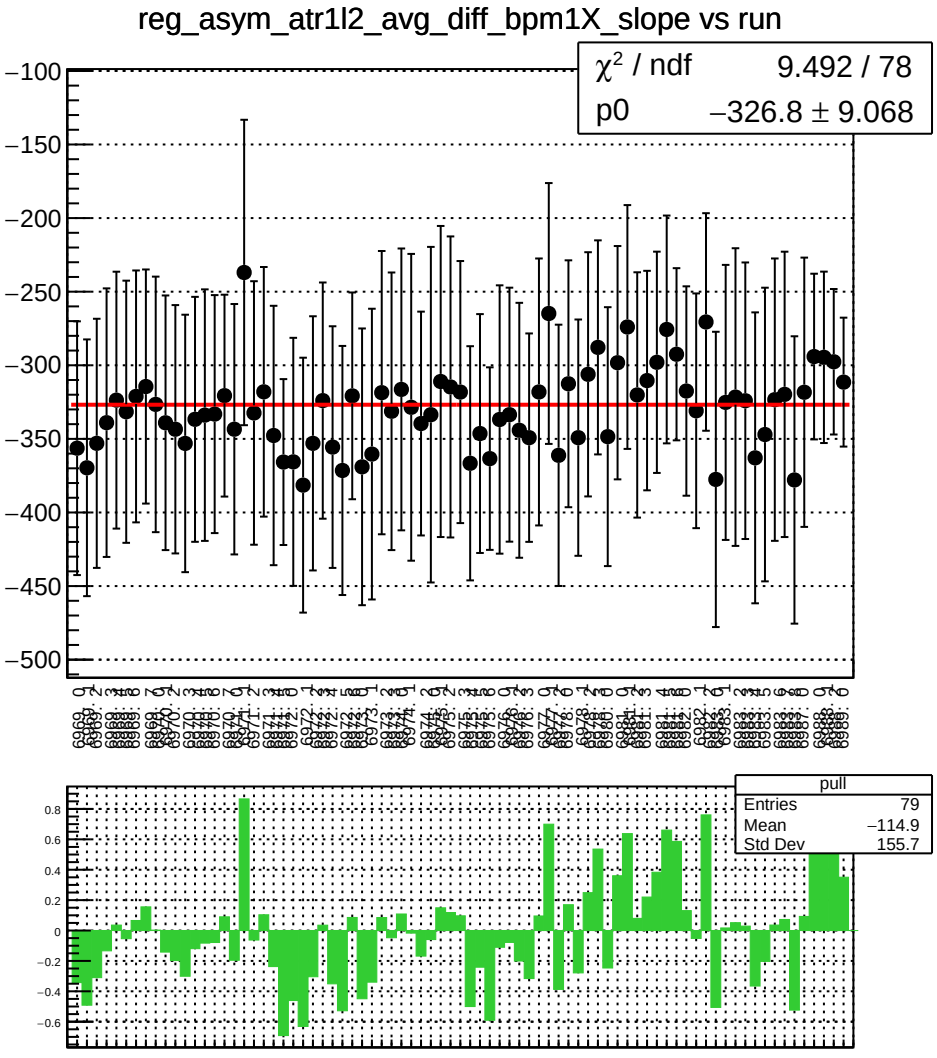

pull1D
Entries 79
Mean 0.02385
Std Dev 0.3681

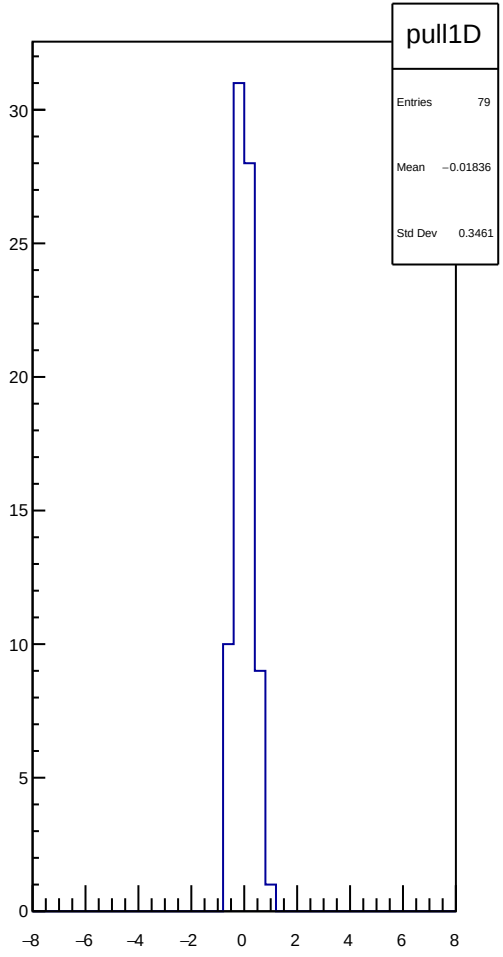

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.605 / 78
p0 −0.5229 ± 5.08
pull
Entries 79
Mean −36.31
Std Dev 79.44
pull1D
Entries 79
Mean −0.01276
Std Dev 0.3298

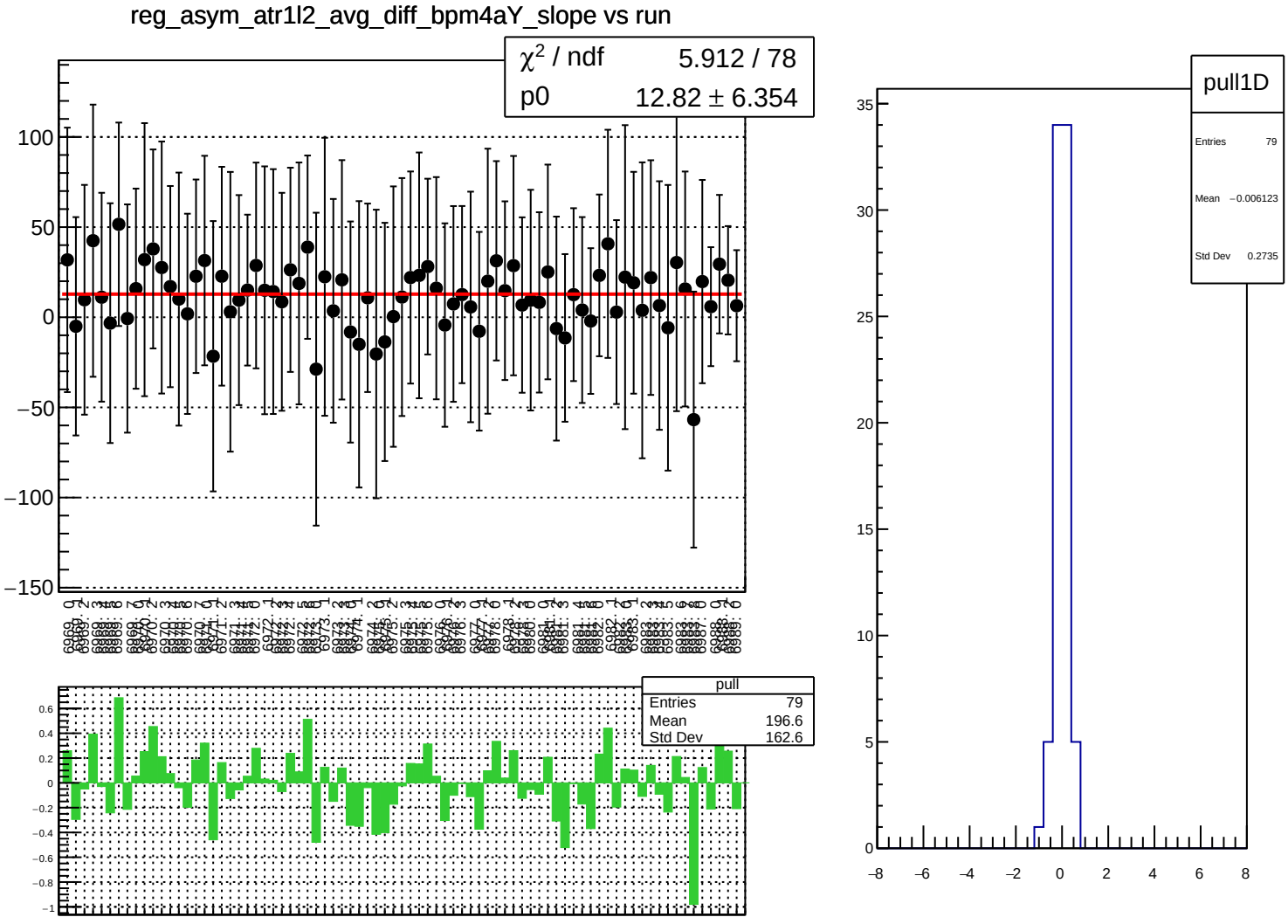

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 11.97 / 78
p0 −264.4 ± 6.662
pull
Entries 79
Mean −14.92
Std Dev 66.66
pull1D
Entries 79
Mean −0.02957
Std Dev 0.3882

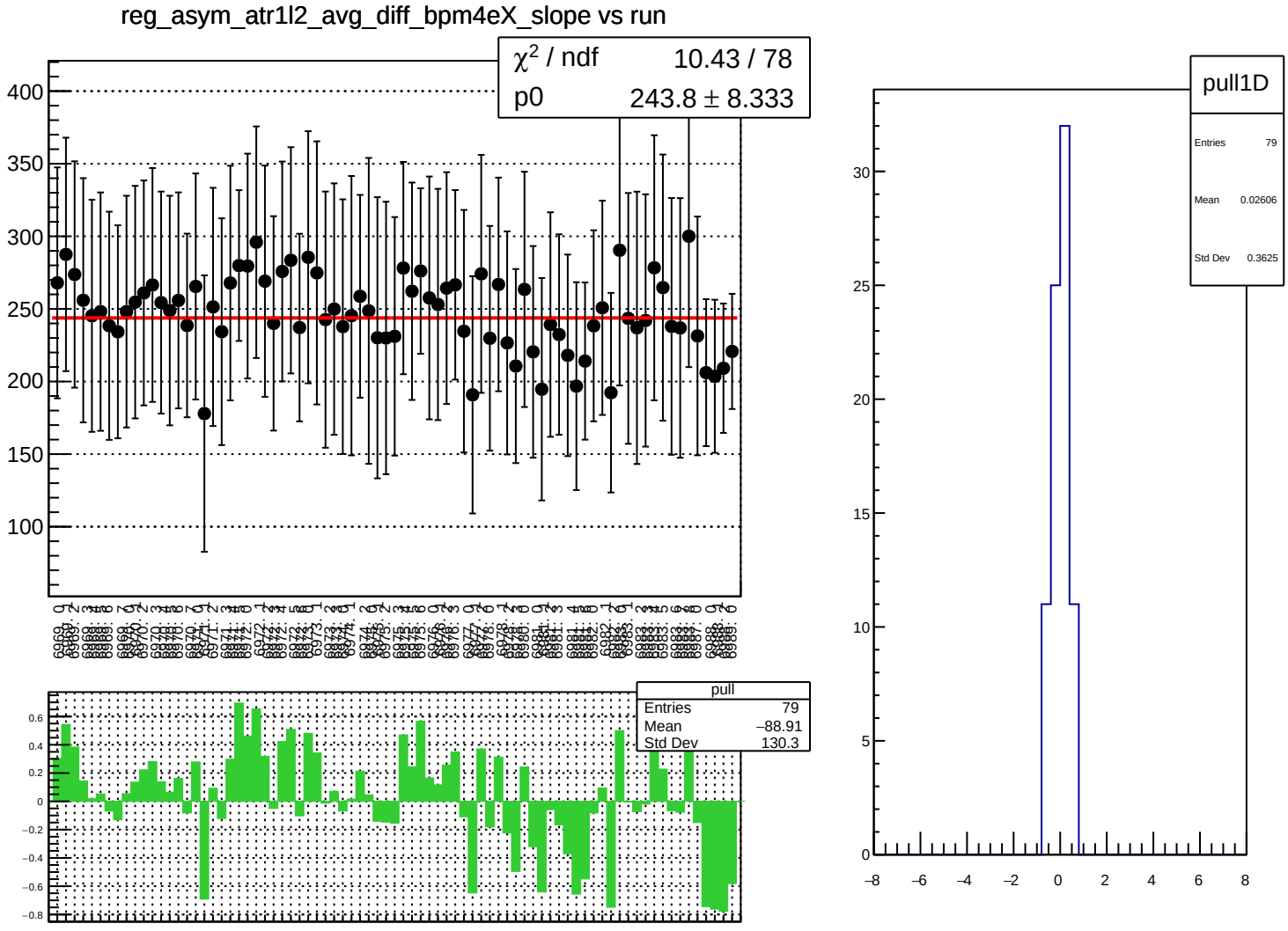

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.895 / 78
p0 −67.03 ± 5.826
pull
Entries 79
Mean −13.43
Std Dev 55.78
pull1D
Entries 79
Mean 0.01102
Std Dev 0.3354

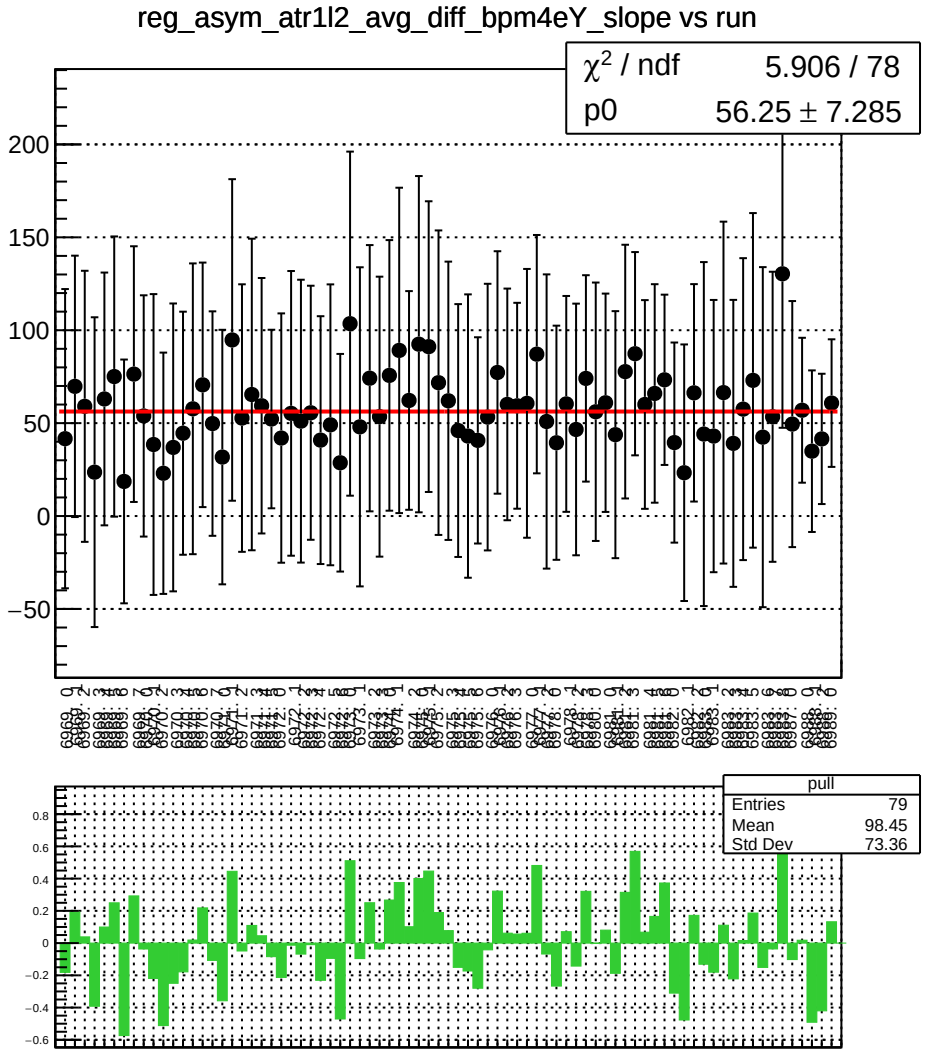

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 38.93 / 78
p0 118.9 ± 0.2263
124
122
120
118
116
114
112
pull
Entries 79
Mean −451.2
Std Dev 493.3
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 79
Mean 0.02555
Std Dev 0.7015
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

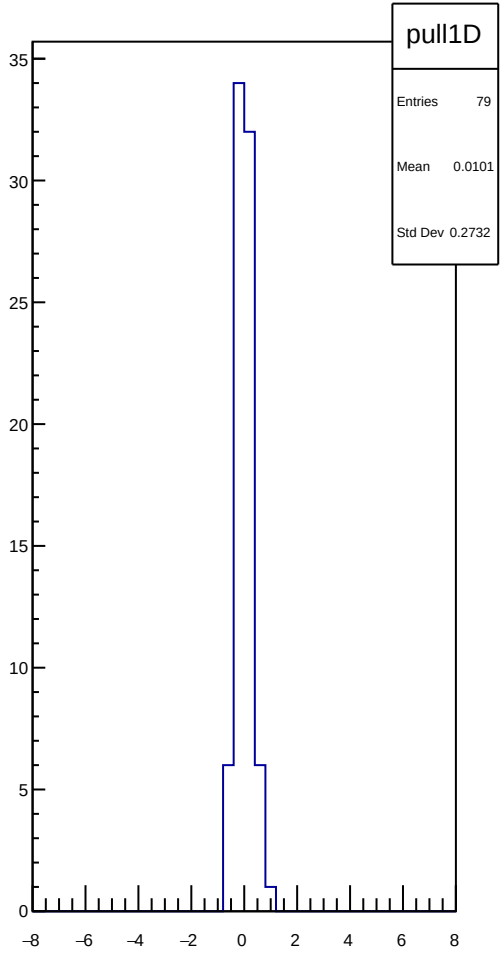

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ^2 / ndf 9.492 / 78
p0 −326.8 ± 9.068
pull
Entries 79
Mean −114.9
Std Dev 155.7

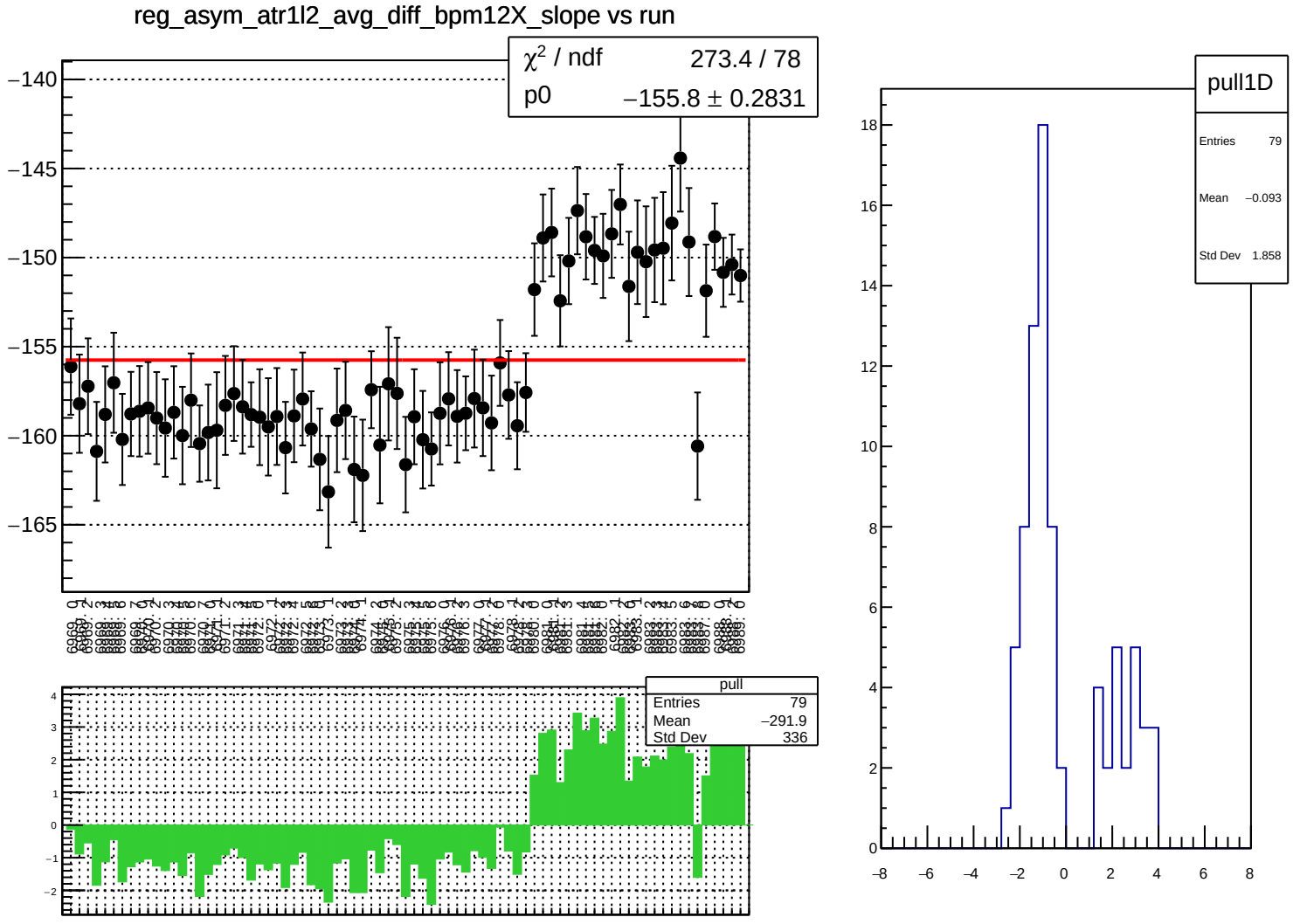

pull1D
Entries 79
Mean −0.01836
Std Dev 0.3461

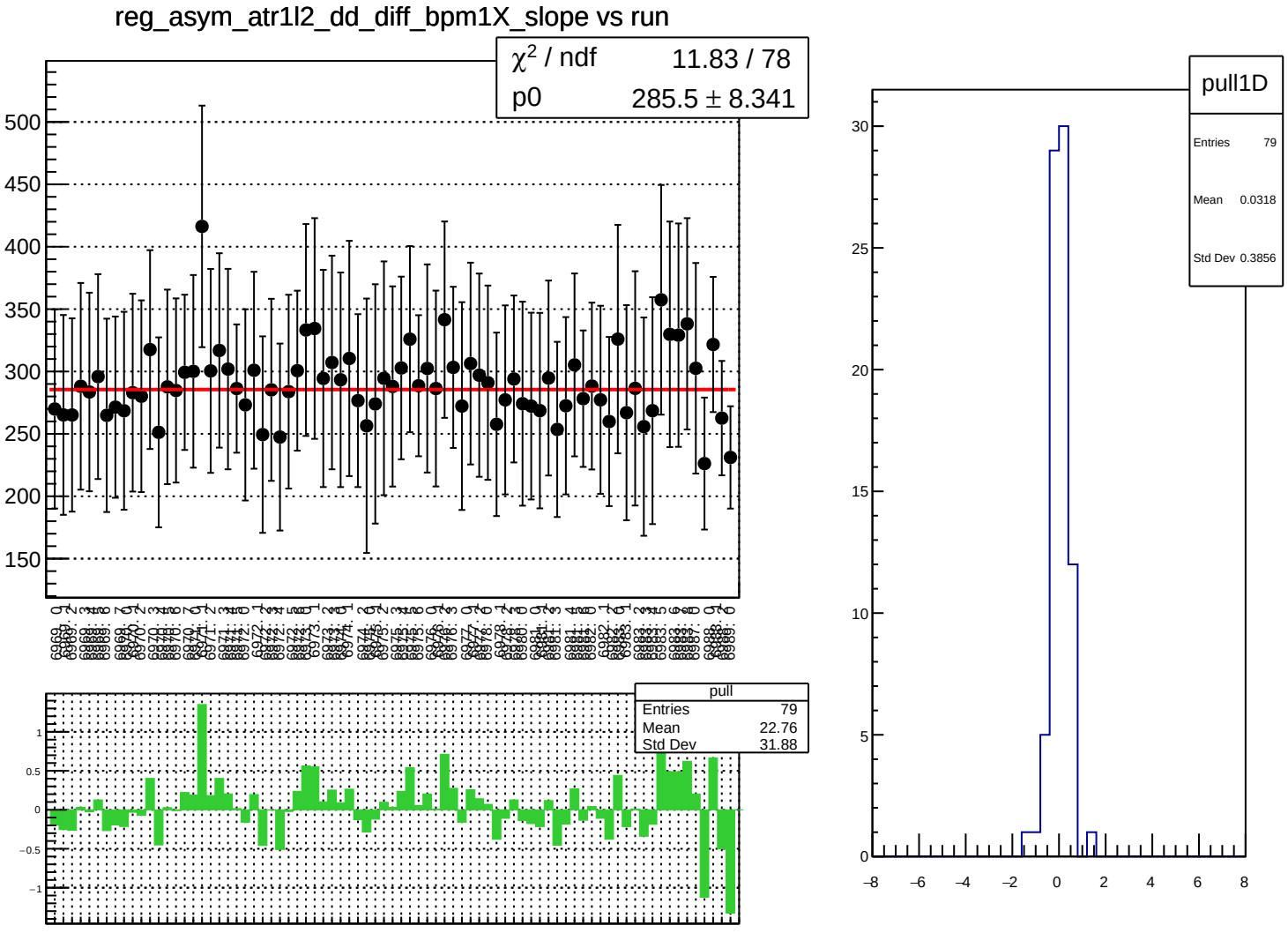

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.912 / 78
p0 12.82 ± 6.354
pull
Entries 79
Mean 196.6
Std Dev 162.6
pull1D
Entries 79
Mean −0.006123
Std Dev 0.2735

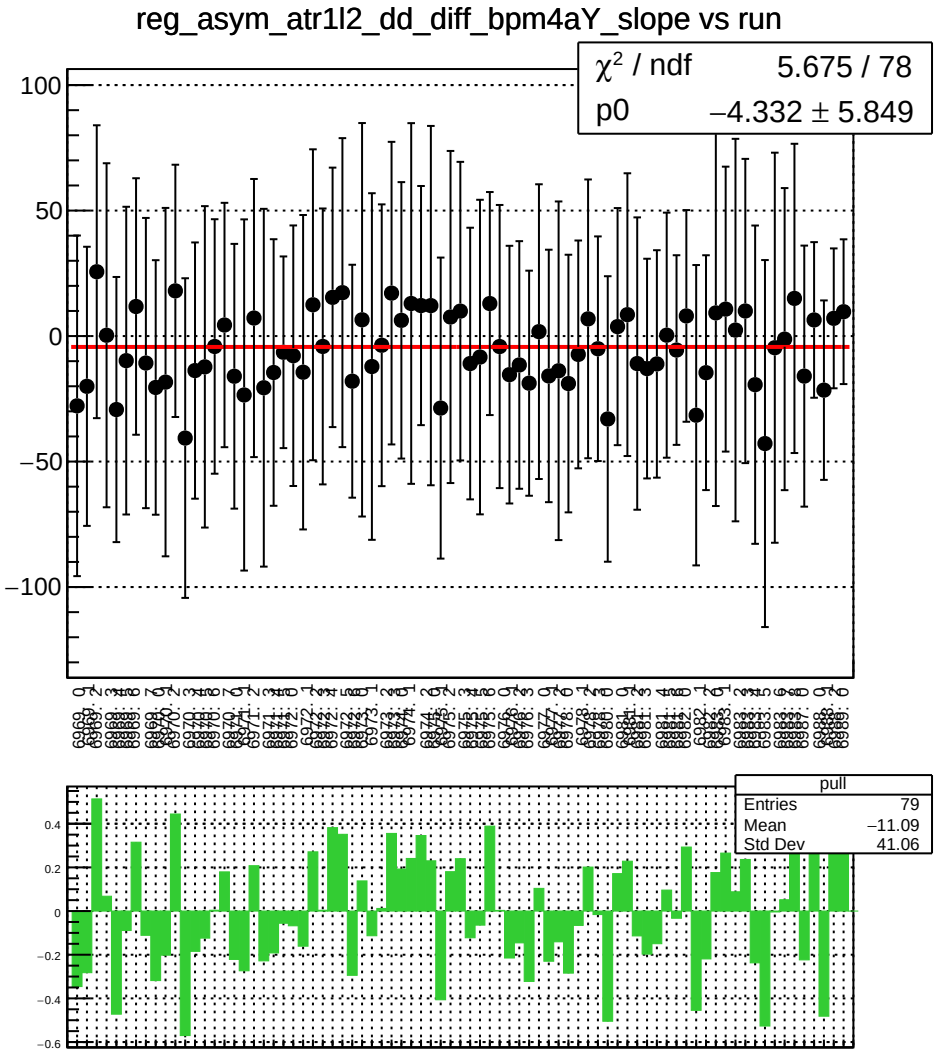

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 10.43 / 78
p0 243.8 ± 8.333
pull
Entries 79
Mean −88.91
Std Dev 130.3
pull1D
Entries 79
Mean 0.02606
Std Dev 0.3625

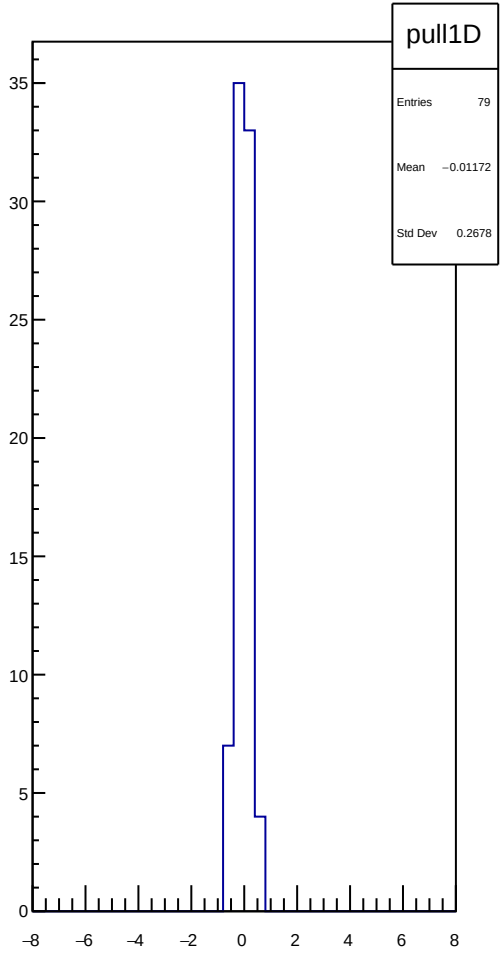

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.906 / 78
p0 56.25 ± 7.285
pull
Entries 79
Mean 98.45
Std Dev 73.36

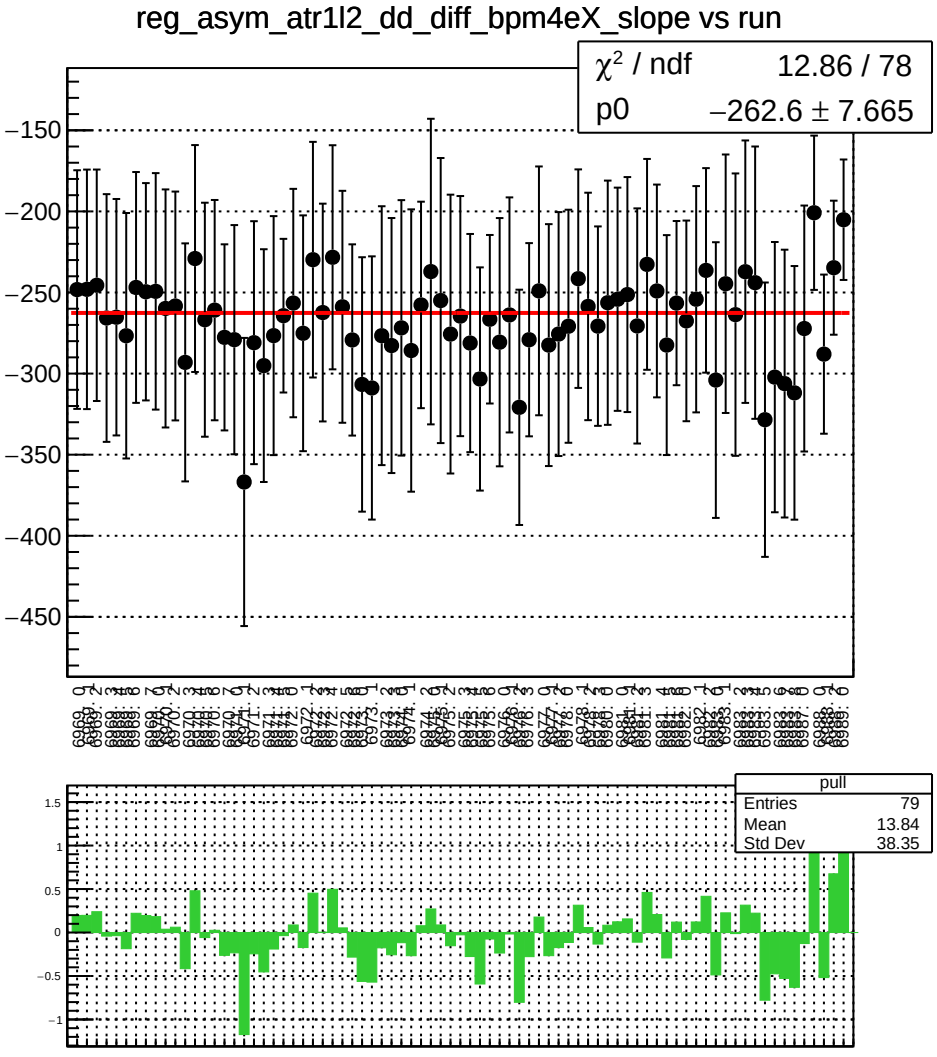

pull1D
Entries 79
Mean 0.0101
Std Dev 0.2732

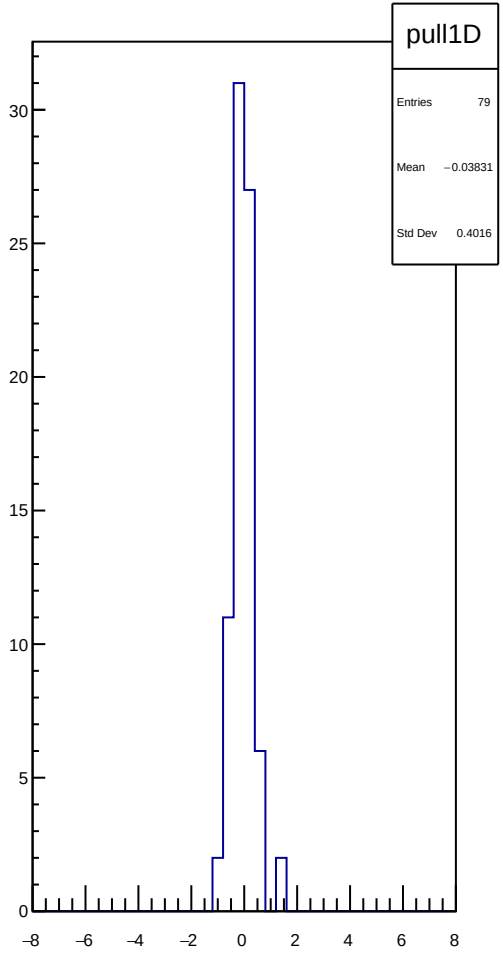

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 273.4 / 78
p0 −155.8 ± 0.2831
pull
Entries 79
Mean −291.9
Std Dev 336
pull1D
Entries 79
Mean −0.093
Std Dev 1.858

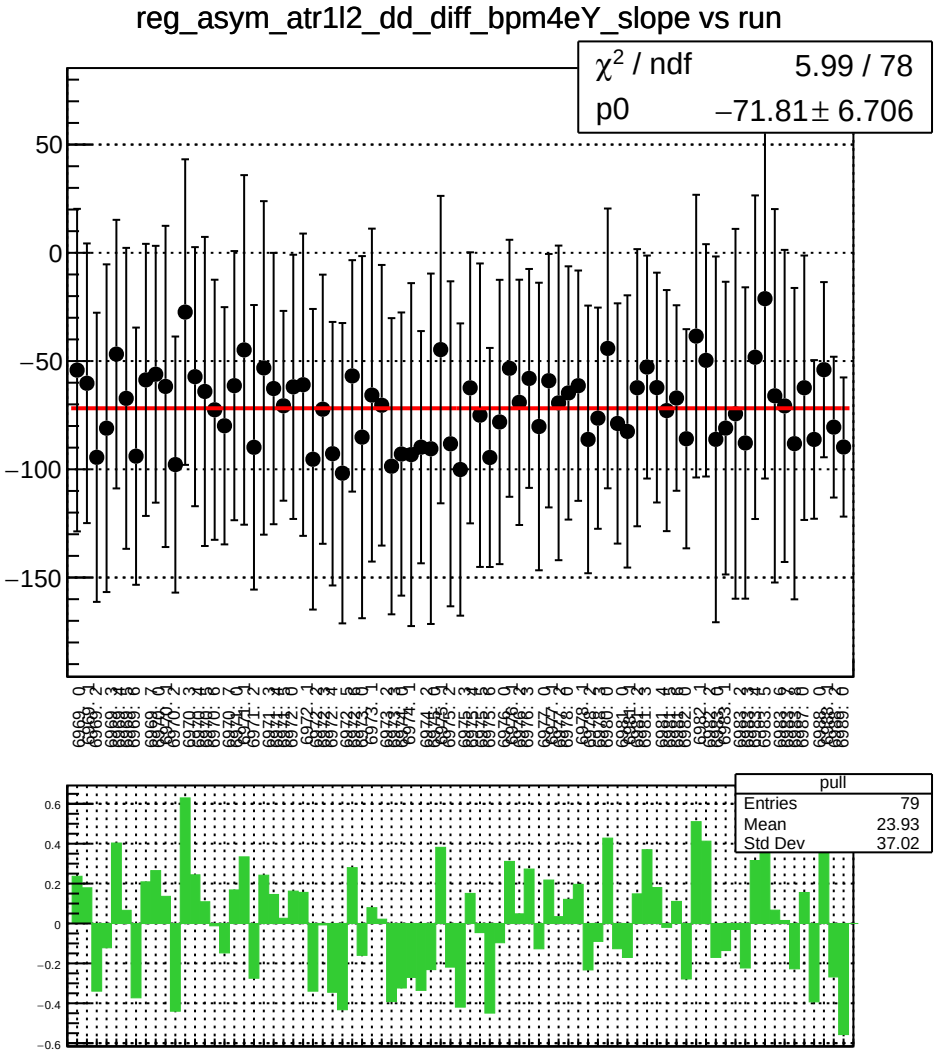

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 11.83 / 78
p0 285.5 ± 8.341
pull
Entries 79
Mean 22.76
Std Dev 31.88
pull1D
Entries 79
Mean 0.0318
Std Dev 0.3856

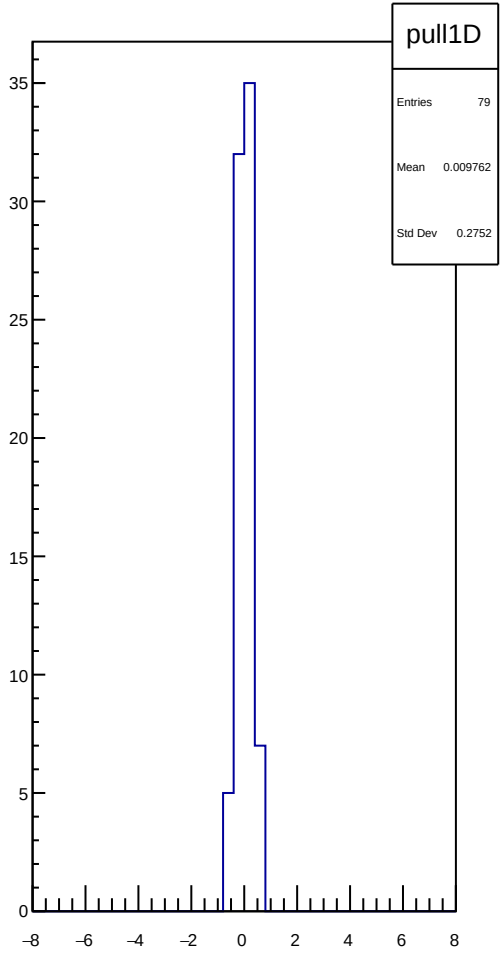

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.675 / 78
p0 −4.332 ± 5.849
pull
Entries 79
Mean −11.09
Std Dev 41.06

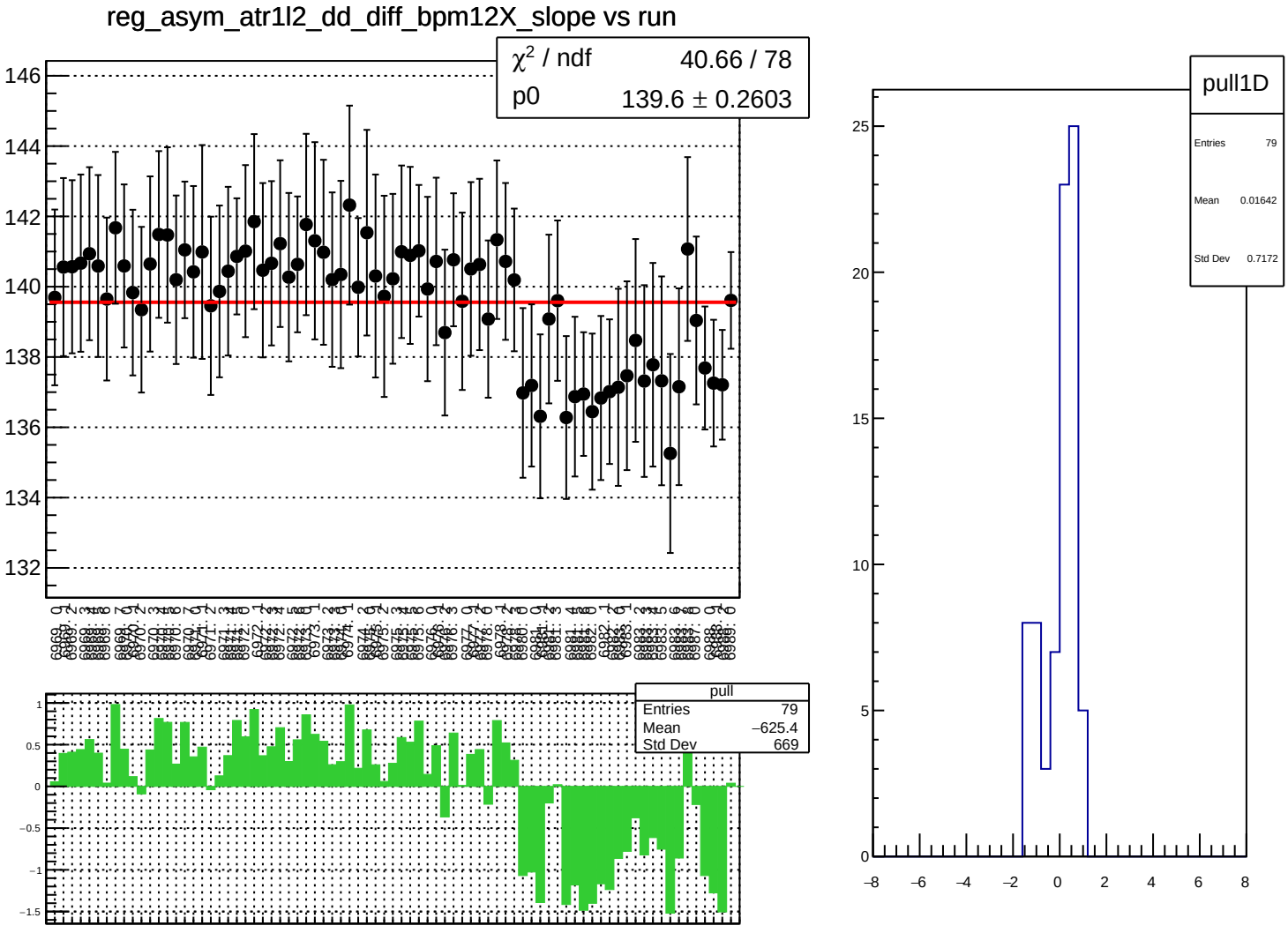

pull1D
Entries 79
Mean −0.01172
Std Dev 0.2678

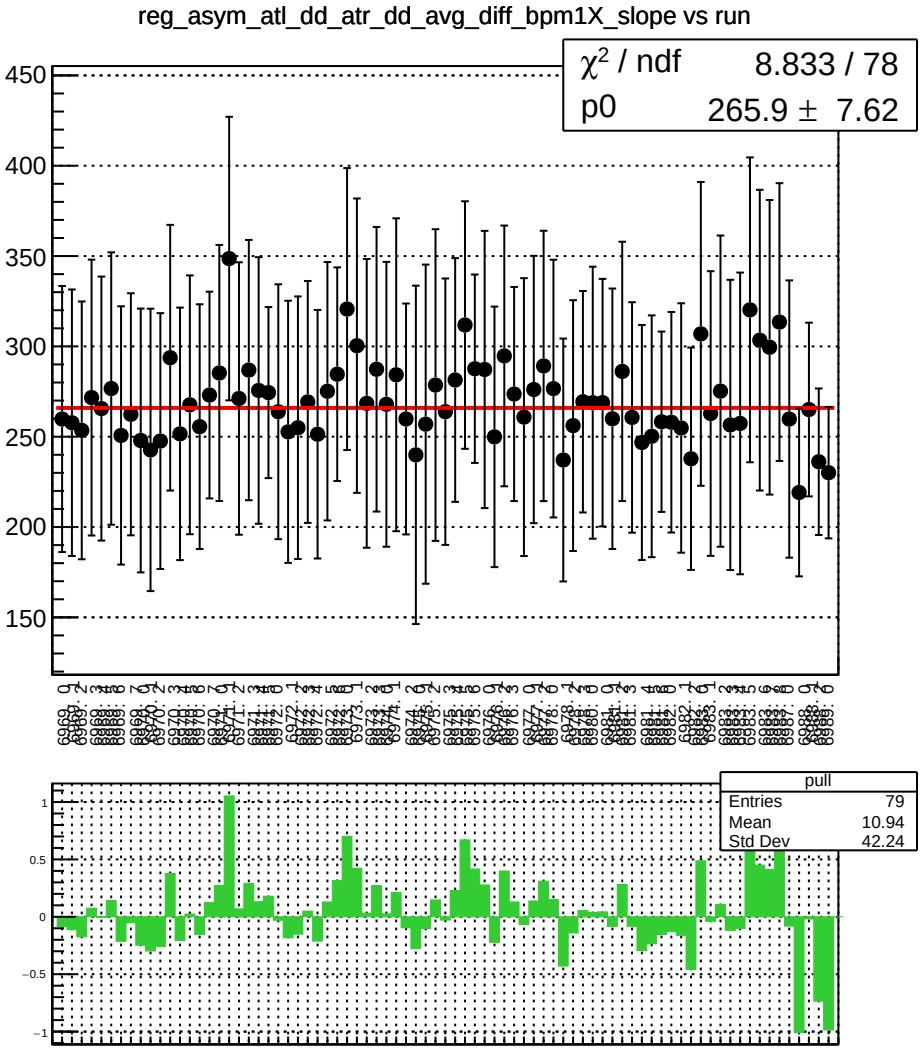

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 12.86 / 78
p0 −262.6 ± 7.665
pull
Entries 79
Mean 13.84
Std Dev 38.35

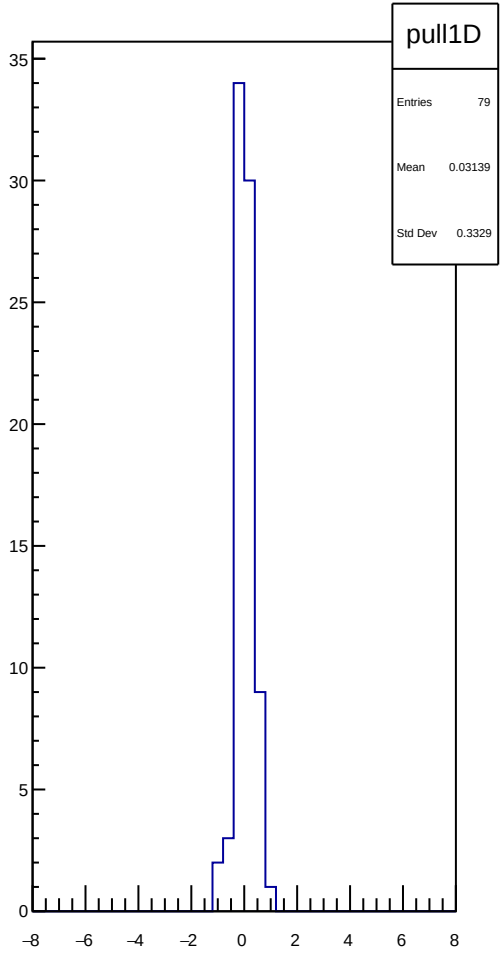

pull1D
Entries 79
Mean −0.03831
Std Dev 0.4016

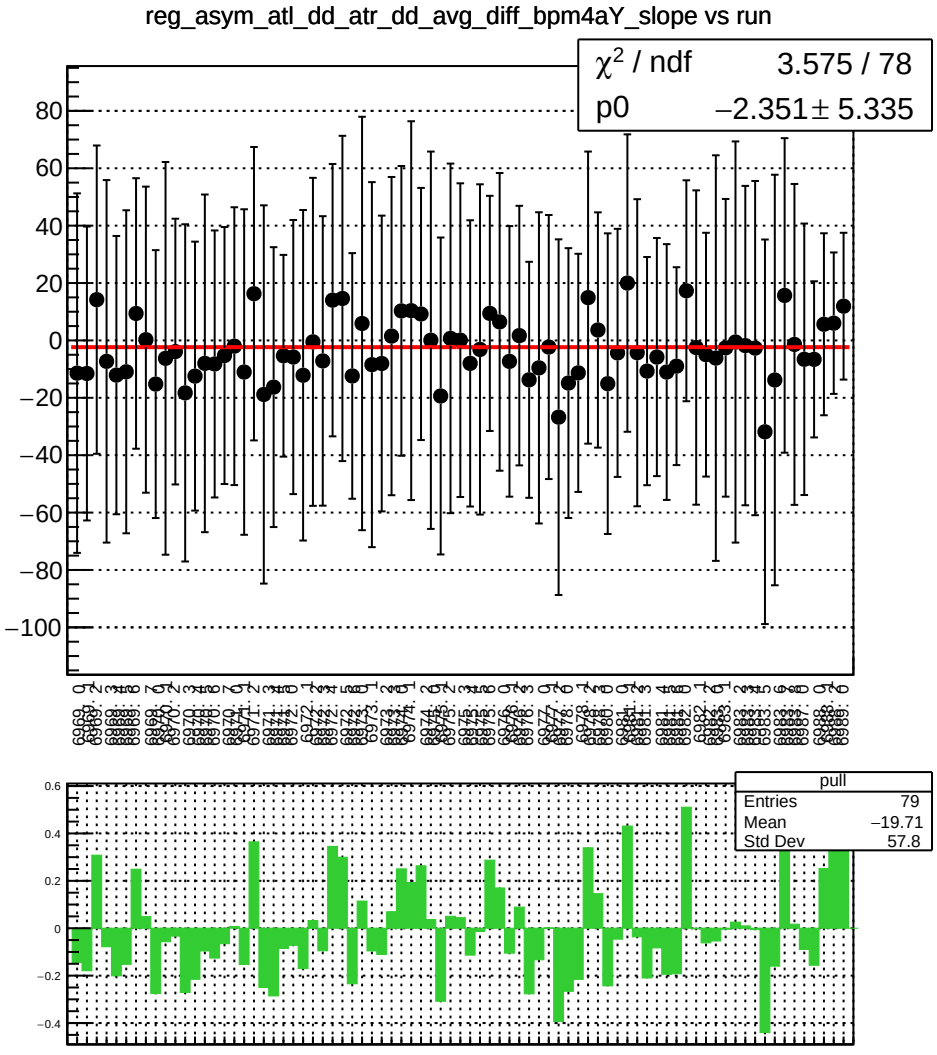

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.99 / 78
p0 −71.81 ± 6.706
pull
Entries 79
Mean 23.93
Std Dev 37.02

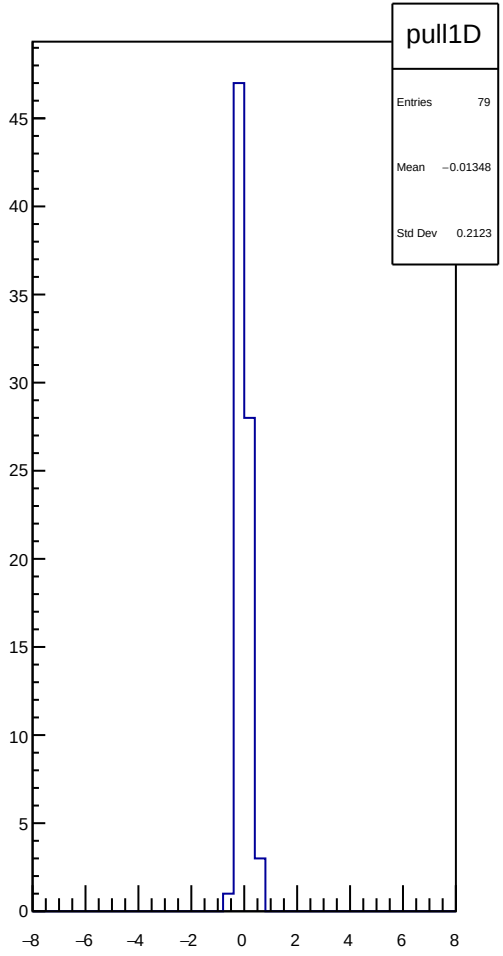

pull1D
Entries 79
Mean 0.009762
Std Dev 0.2752

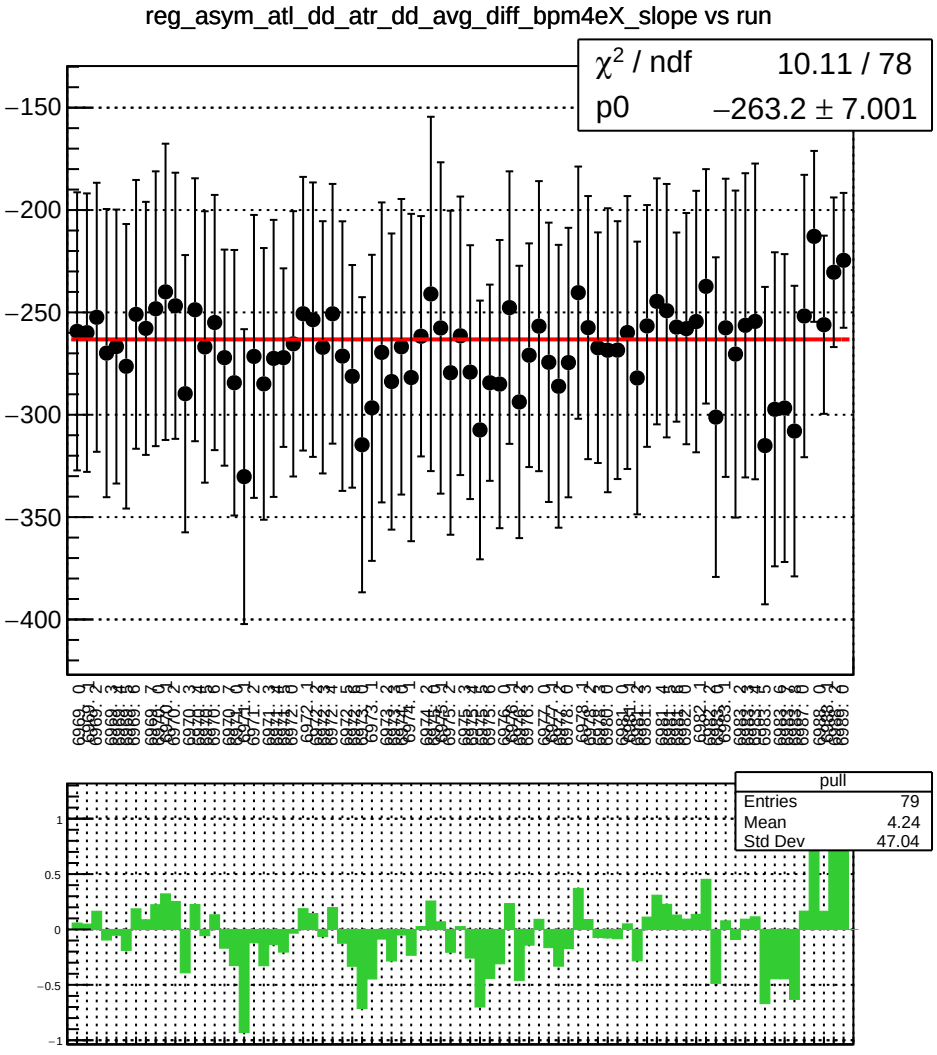

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 40.66 / 78
p0 139.6 ± 0.2603
146
144
142
140
138
136
134
132
pull
Entries 79
Mean −625.4
Std Dev 669
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 79
Mean 0.01642
Std Dev 0.7172
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

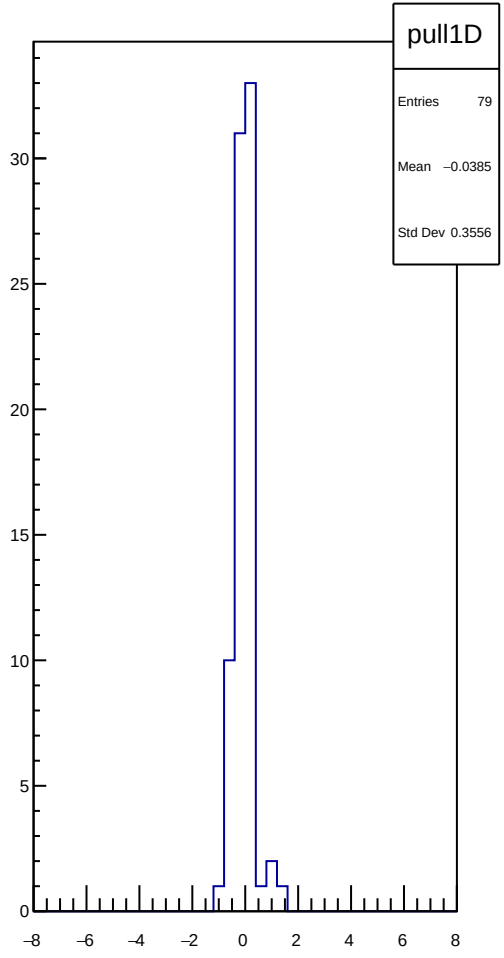

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 8.833 / 78
p0 265.9 ± 7.62
pull
Entries 79
Mean 10.94
Std Dev 42.24

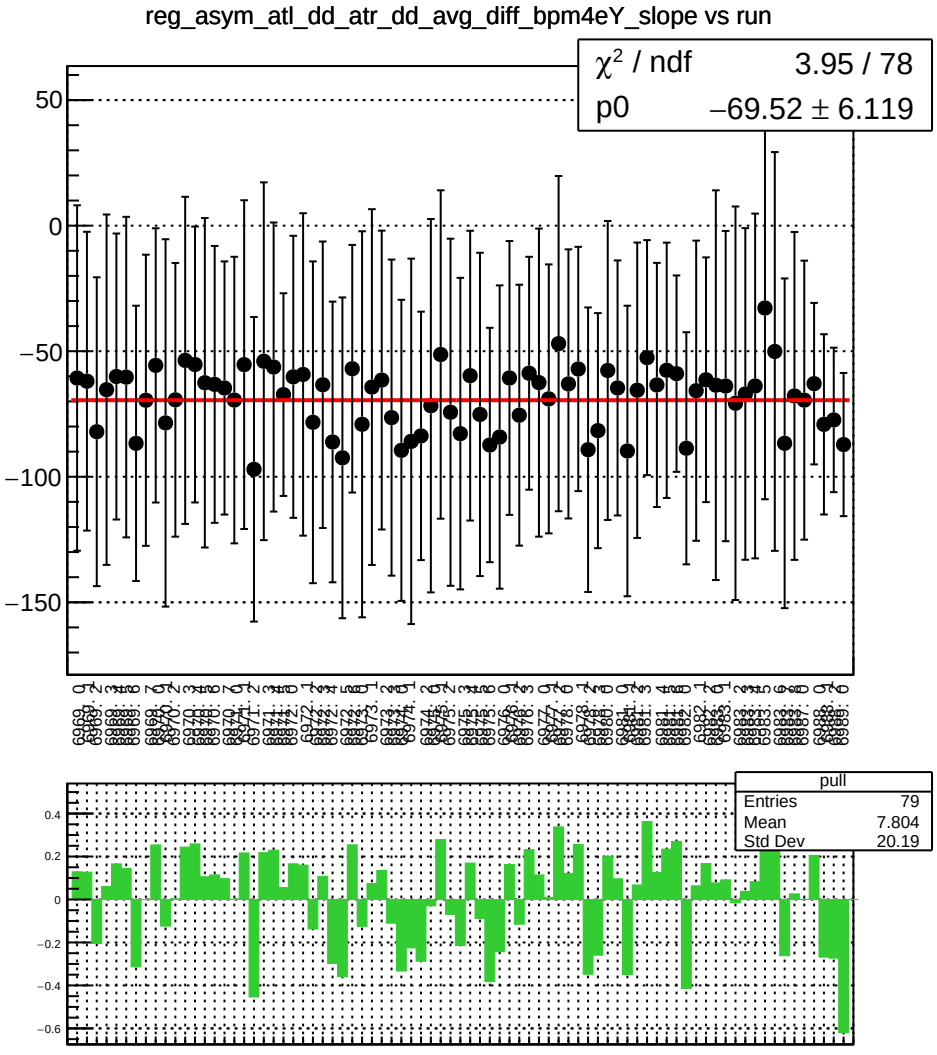

pull1D
Entries 79
Mean 0.03139
Std Dev 0.3329

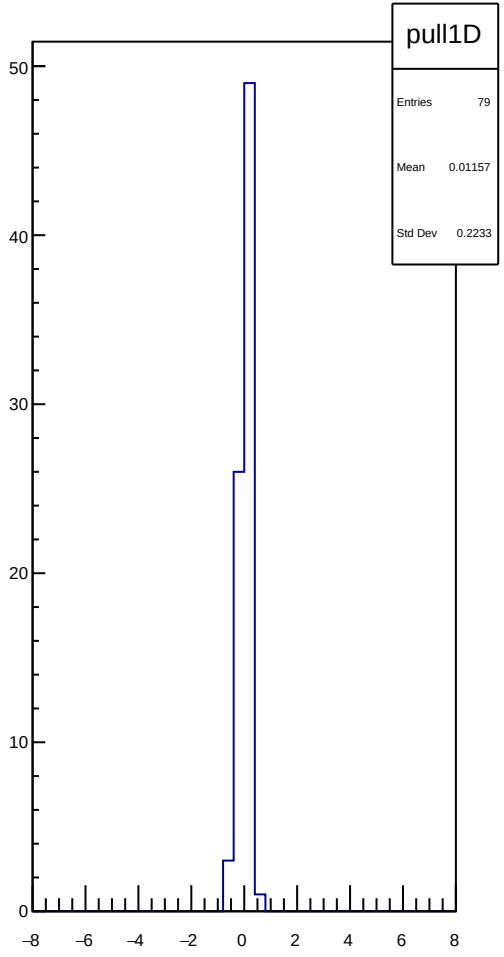

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.575 / 78
p0 −2.351 ± 5.335
pull
Entries 79
Mean −19.71
Std Dev 57.8

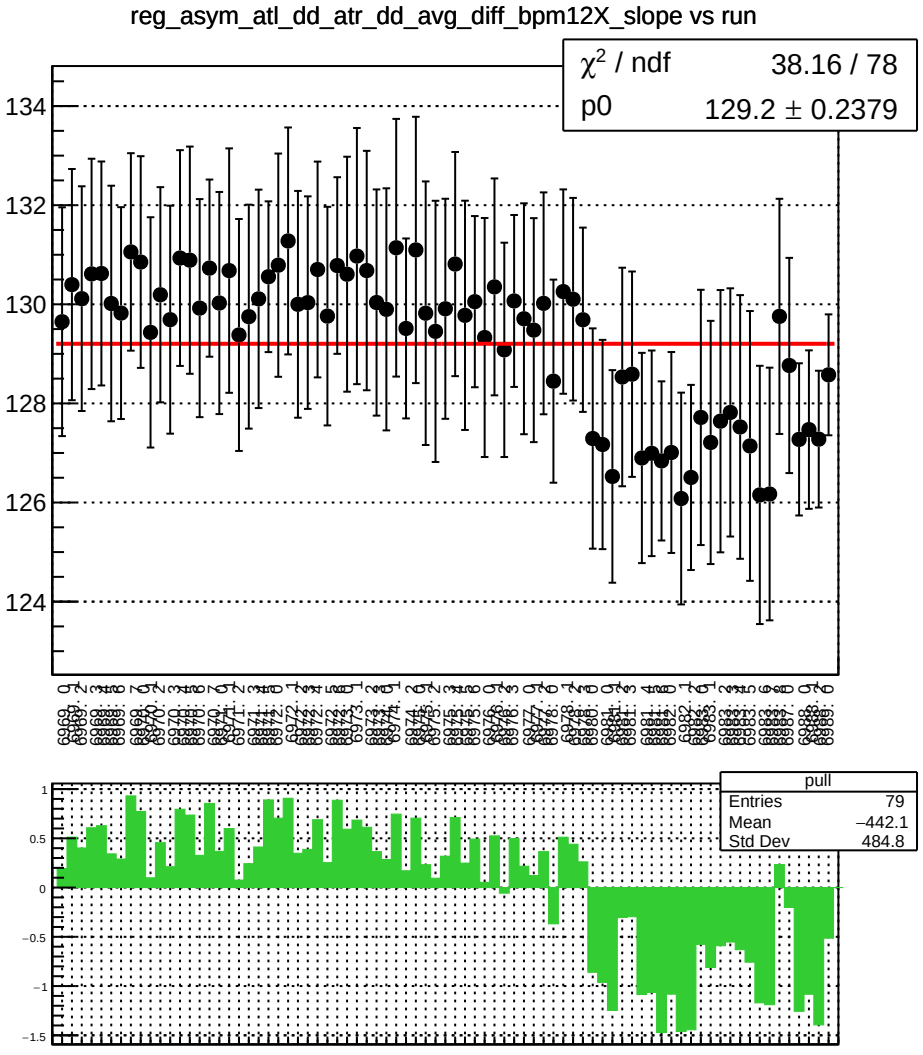

pull1D
Entries 79
Mean −0.01348
Std Dev 0.2123

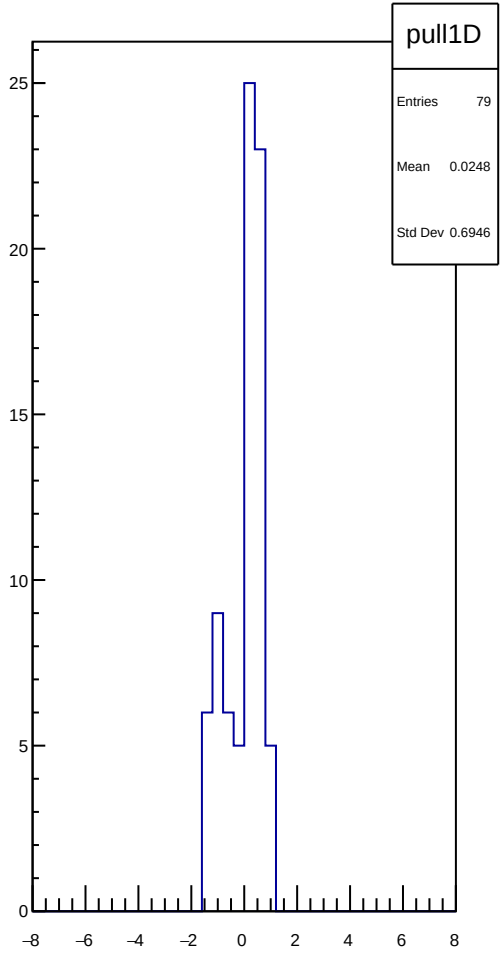

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 10.11 / 78
p0 −263.2 ± 7.001
pull
Entries 79
Mean 4.24
Std Dev 47.04

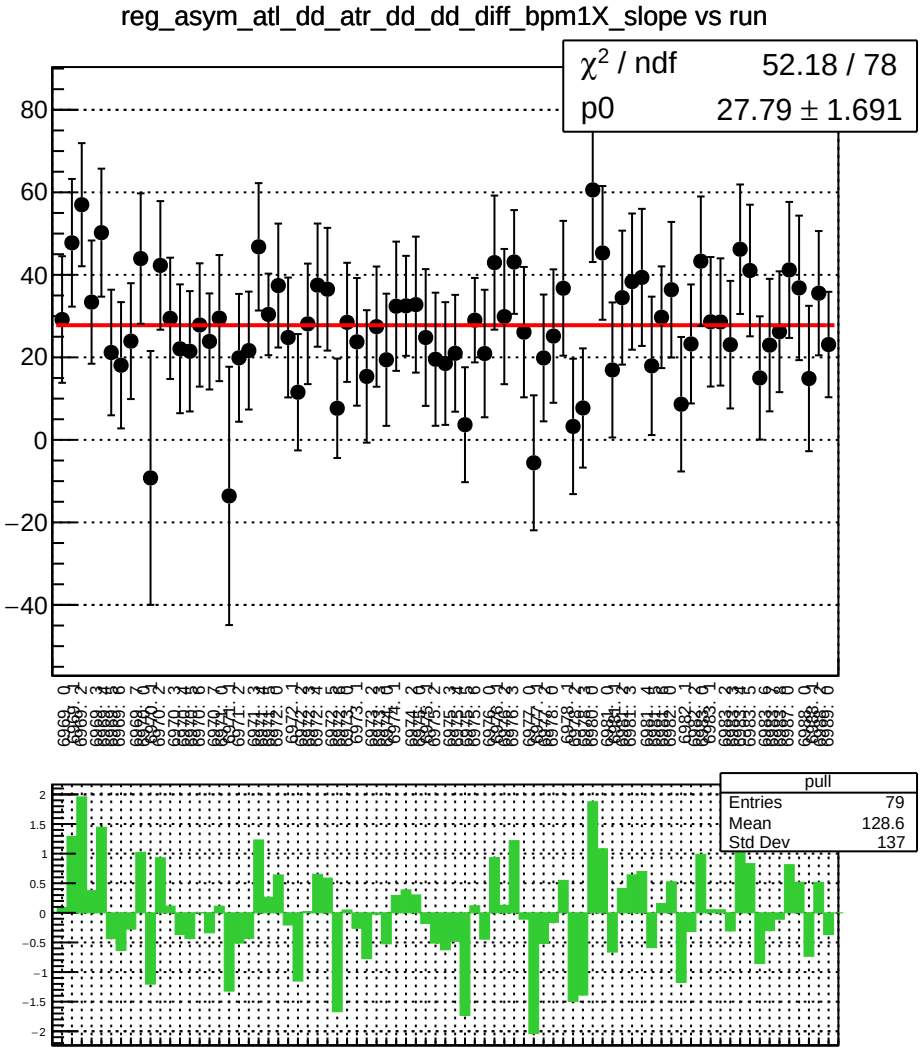

pull1D
Entries 79
Mean −0.0385
Std Dev 0.3556

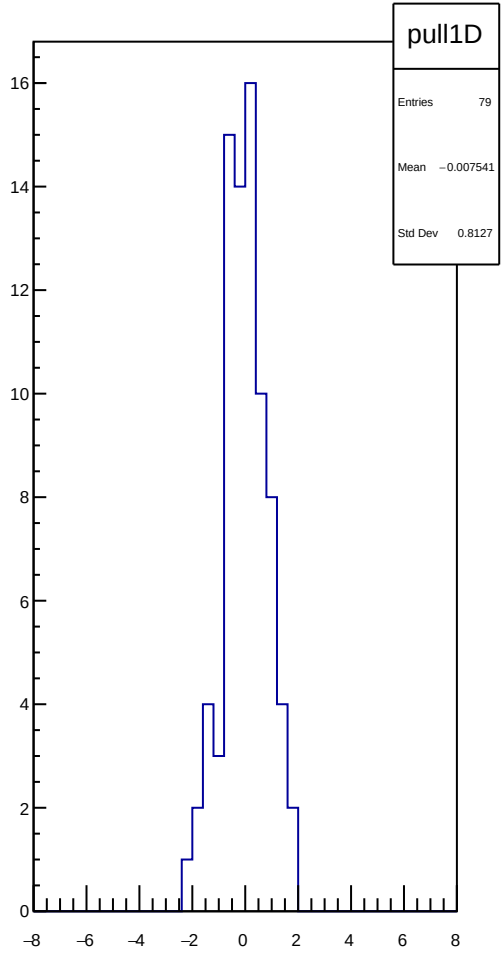

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.95 / 78
p0 −69.52 ± 6.119
pull
Entries 79
Mean 7.804
Std Dev 20.19

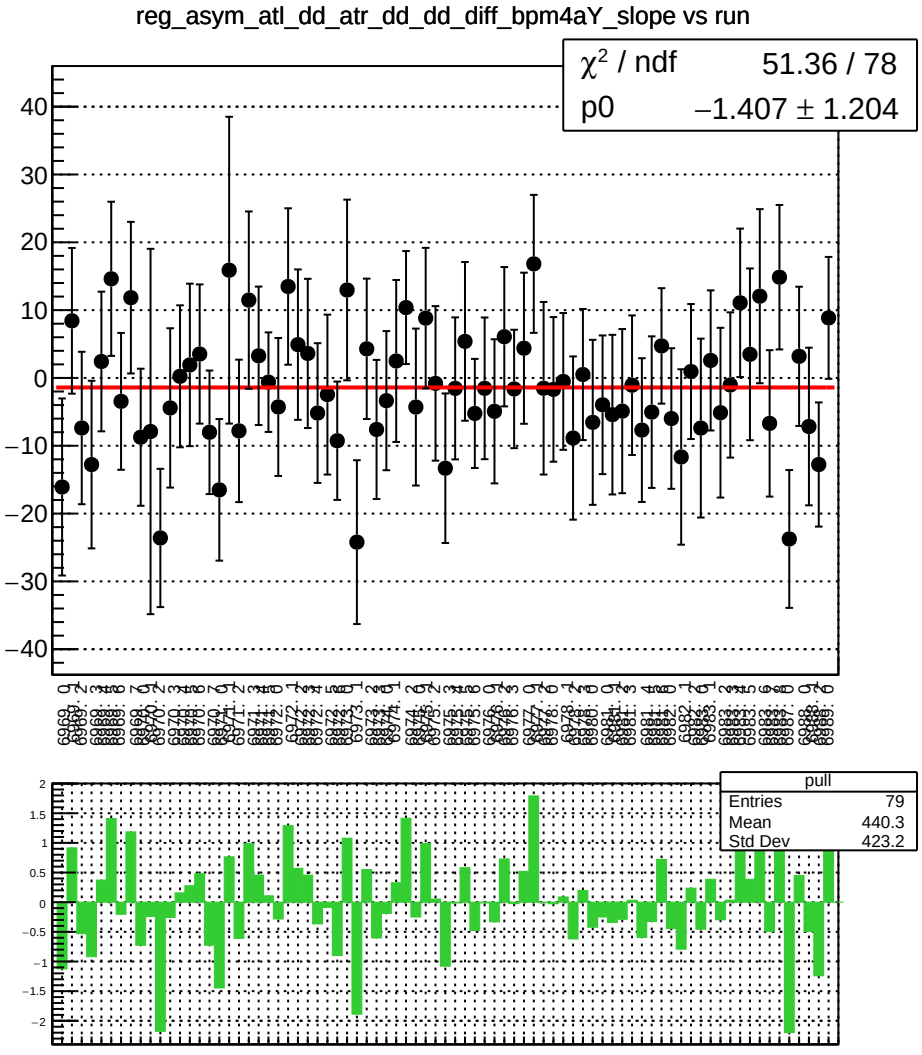

pull1D
Entries 79
Mean 0.01157
Std Dev 0.2233

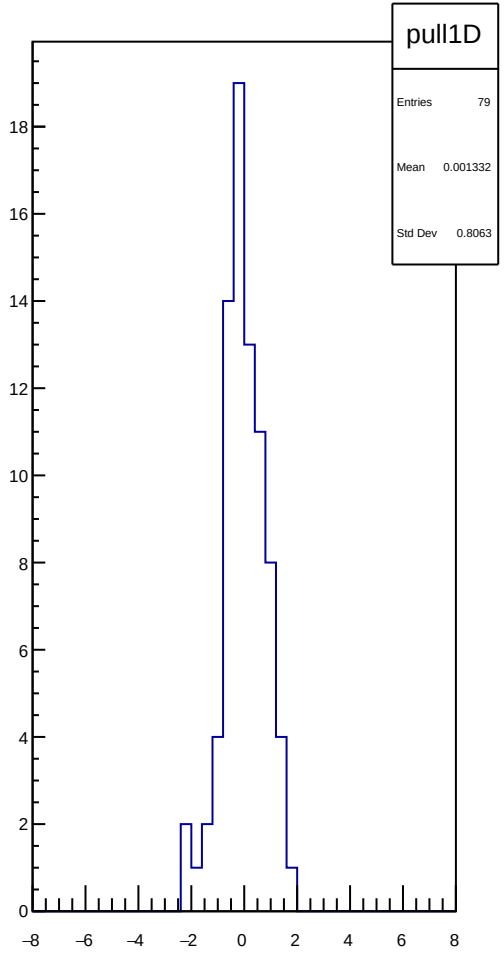

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 38.16 / 78
p0 129.2 ± 0.2379
134
132
130
128
126
124
pull
Entries 79
Mean −442.1
Std Dev 484.8
1
0.5
0
−0.5
−1
−1.5

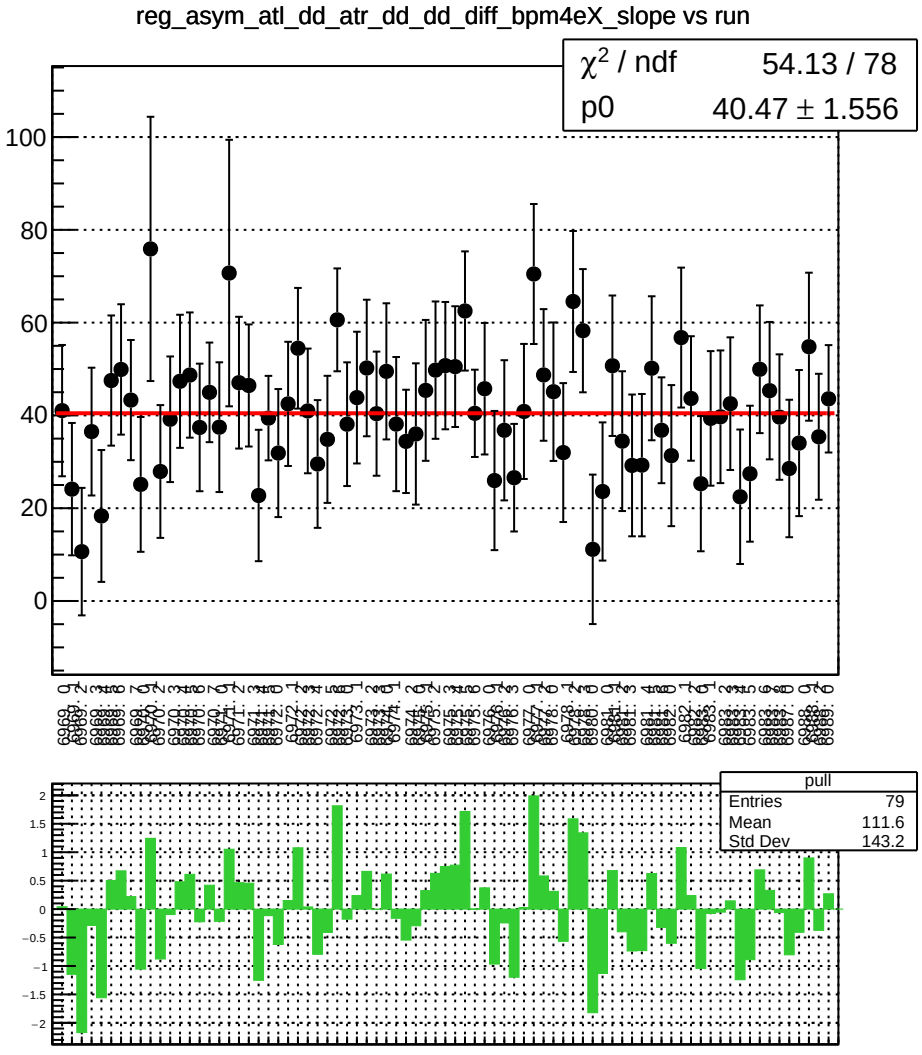

pull1D
Entries 79
Mean 0.0248
Std Dev 0.6946
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

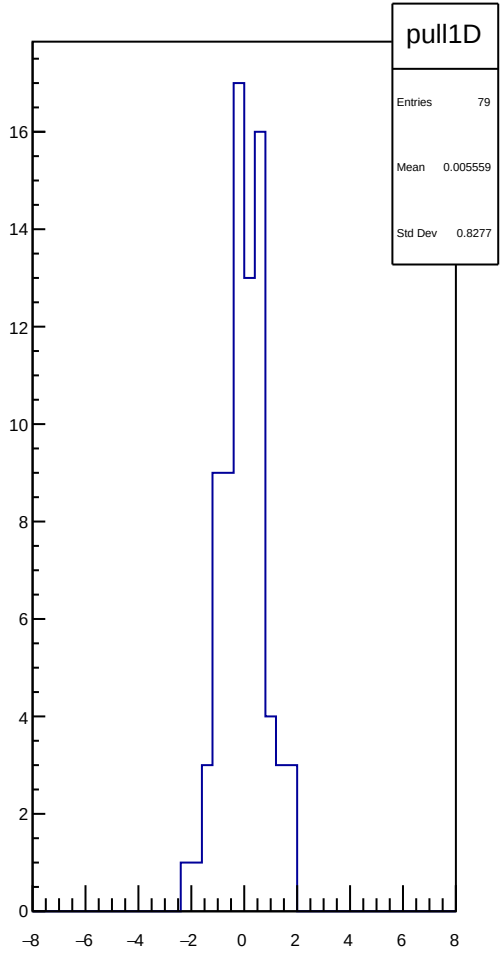

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 52.18 / 78
p0 27.79 ± 1.691
pull
Entries 79
Mean 128.6
Std Dev 137

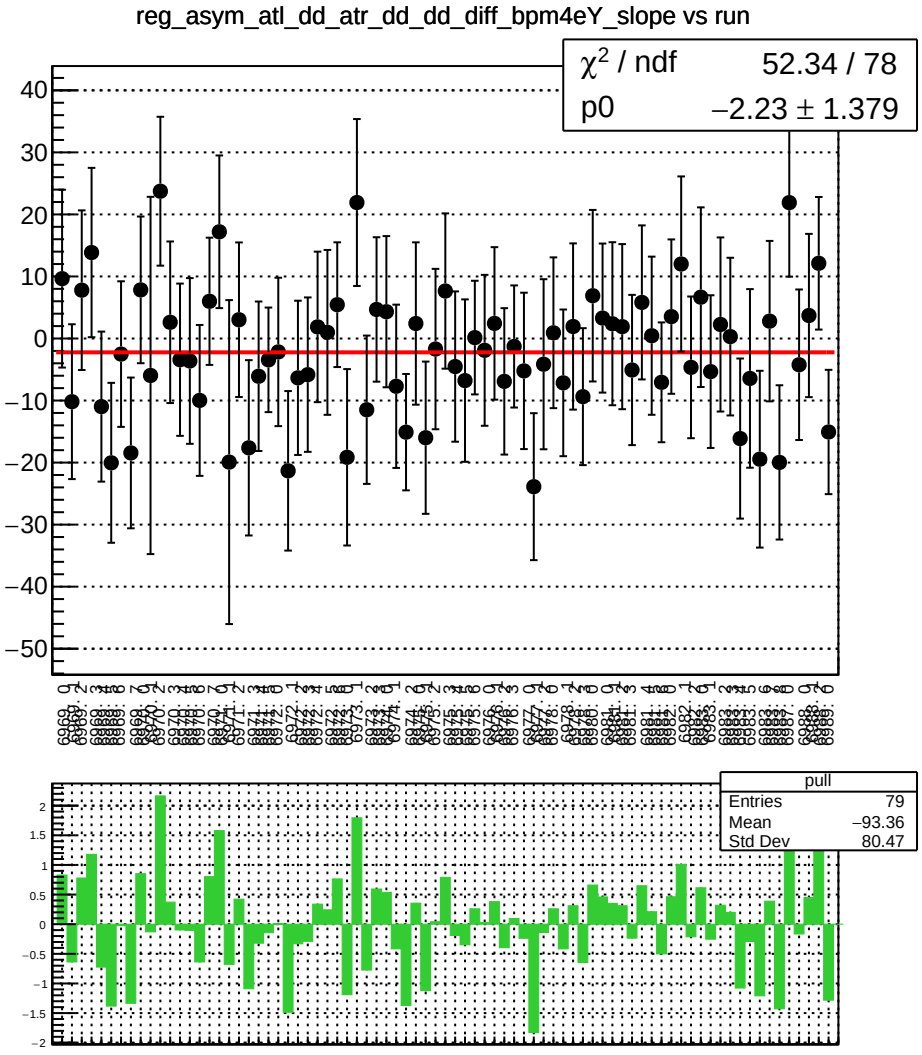

pull1D
Entries 79
Mean −0.007541
Std Dev 0.8127

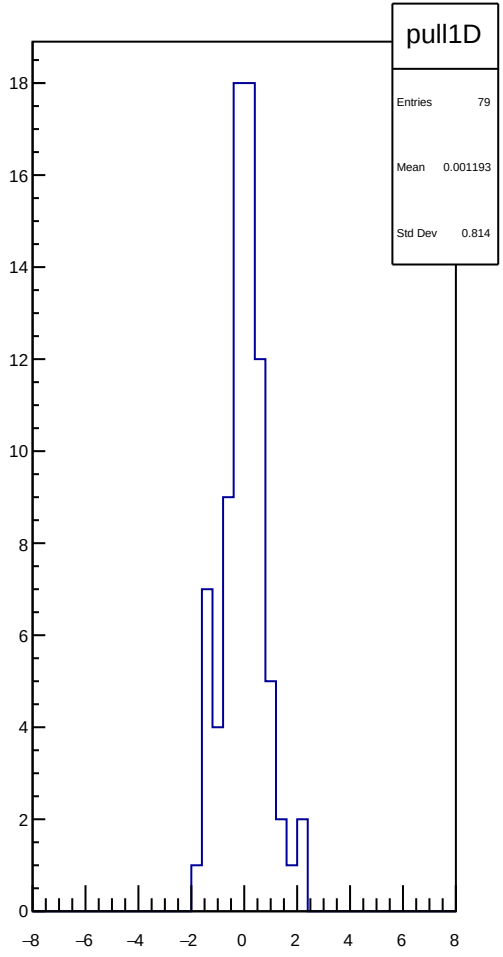

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 51.36 / 78
p0 −1.407 ± 1.204
pull
Entries 79
Mean 440.3
Std Dev 423.2

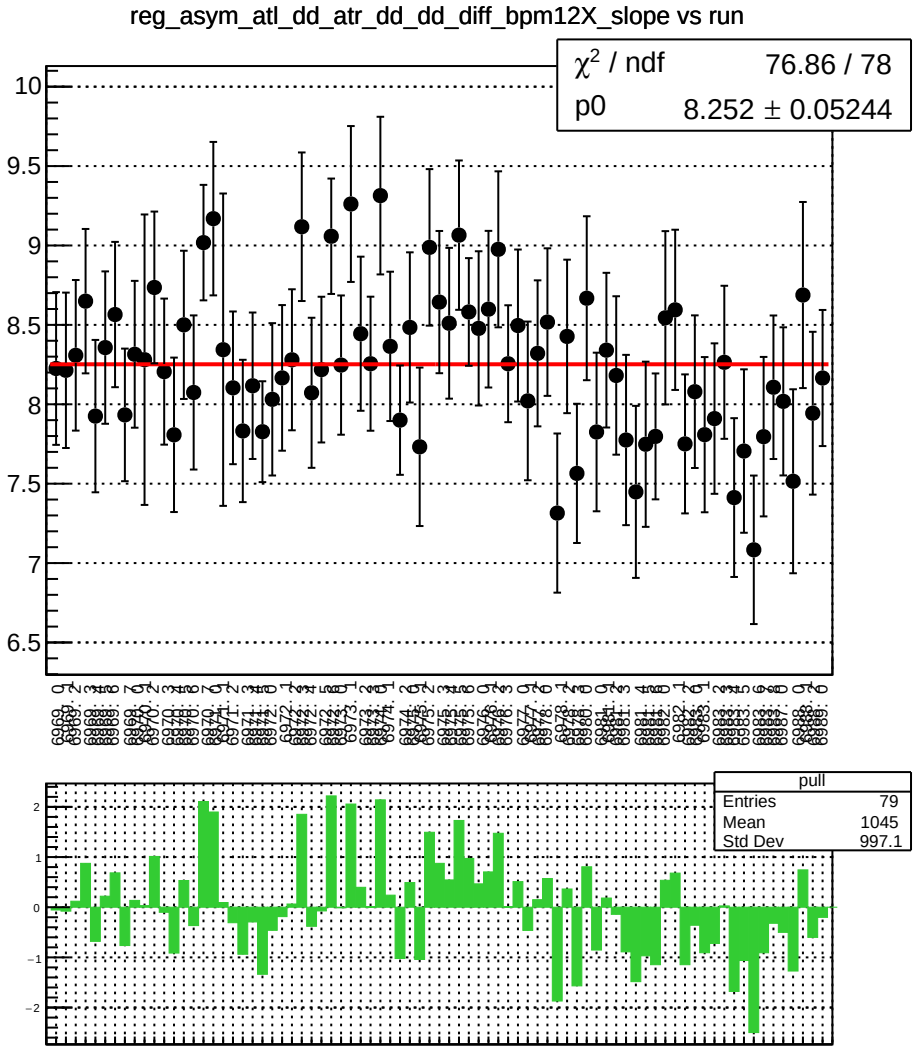

pull1D
Entries 79
Mean 0.001332
Std Dev 0.8063

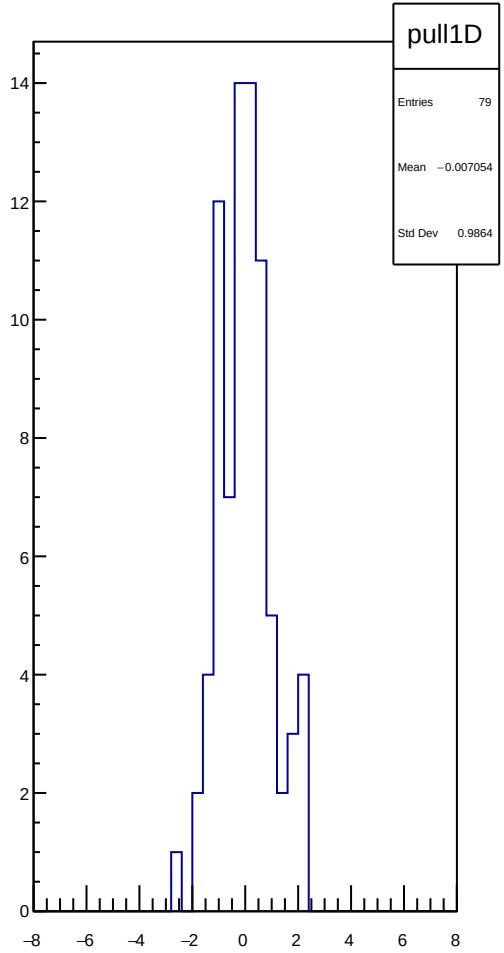

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ2 / ndf 54.13 / 78
p0 40.47 ± 1.556
pull
Entries 79
Mean 111.6
Std Dev 143.2

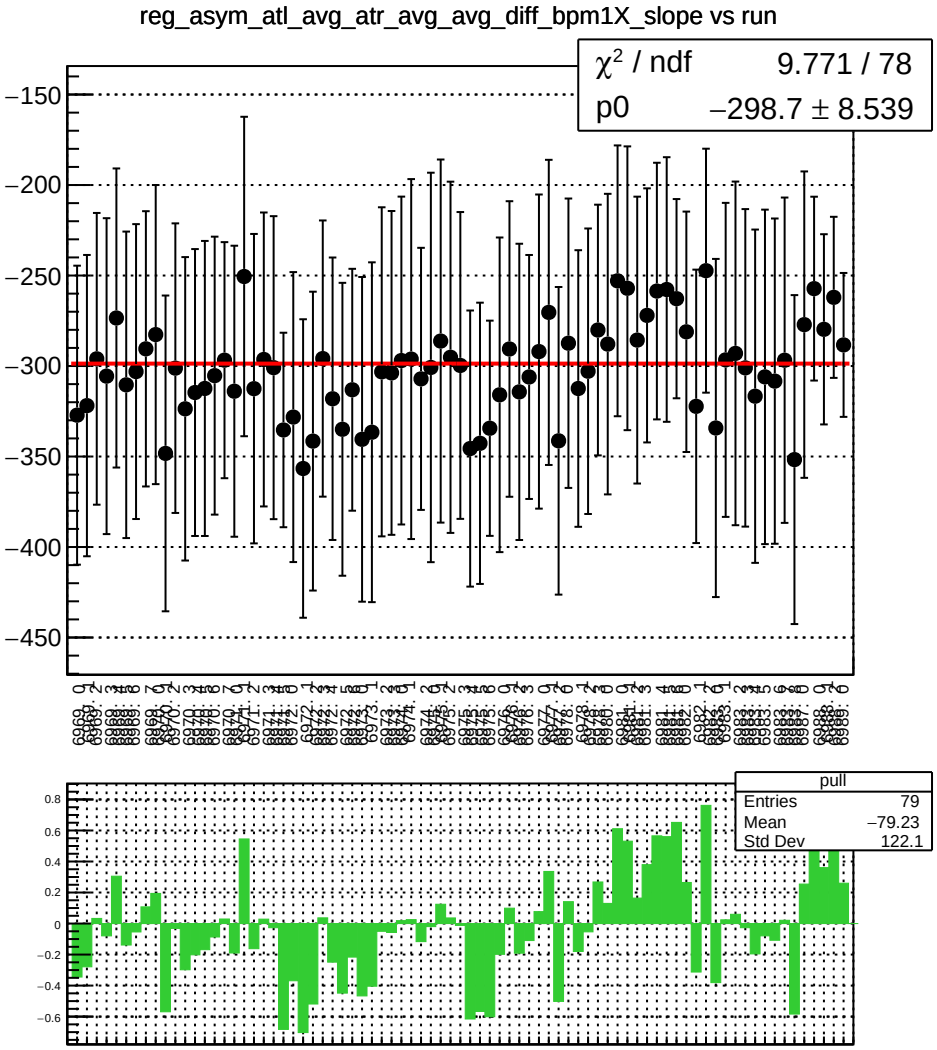

pull1D
Entries 79
Mean 0.005559
Std Dev 0.8277

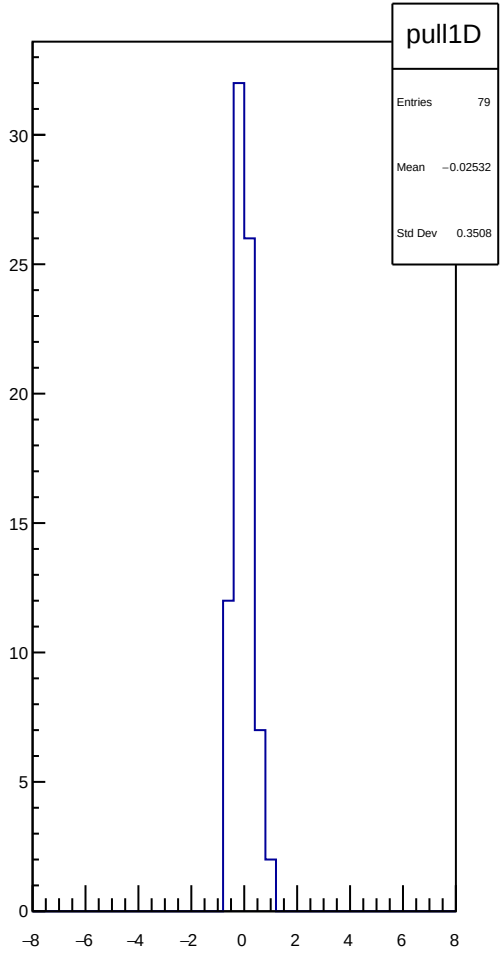

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 52.34 / 78
p0 −2.23 ± 1.379
pull
Entries 79
Mean −93.36
Std Dev 80.47

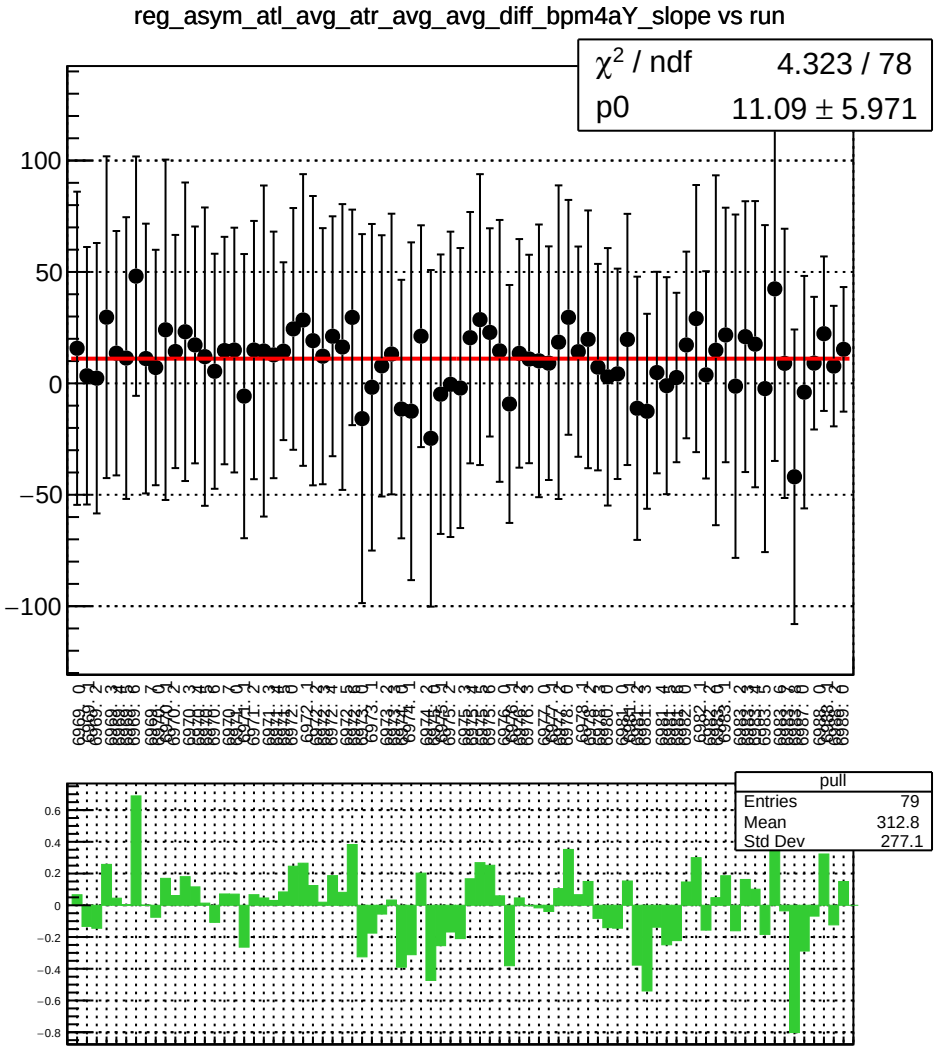

pull1D
Entries 79
Mean 0.001193
Std Dev 0.814

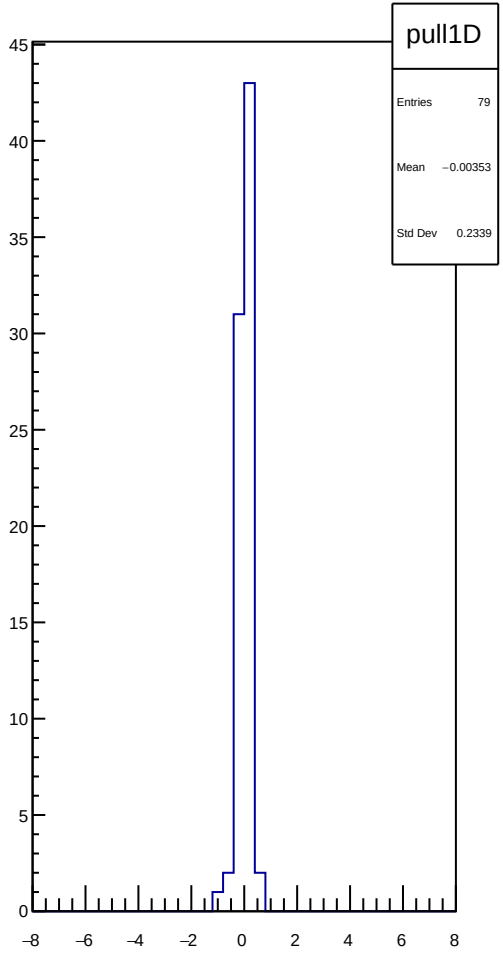

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 76.86 / 78
p0 8.252 ± 0.05244
pull
Entries 79
Mean 1045
Std Dev 997.1

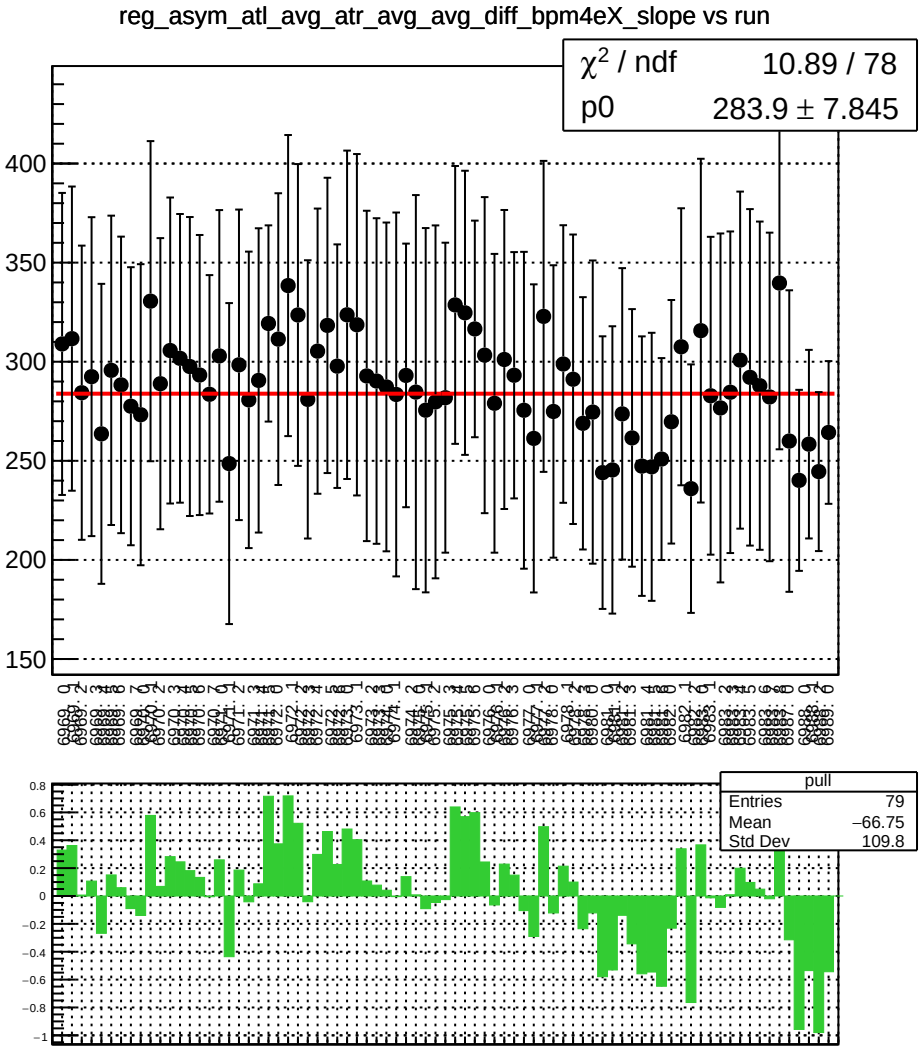

pull1D
Entries 79
Mean −0.007054
Std Dev 0.9864

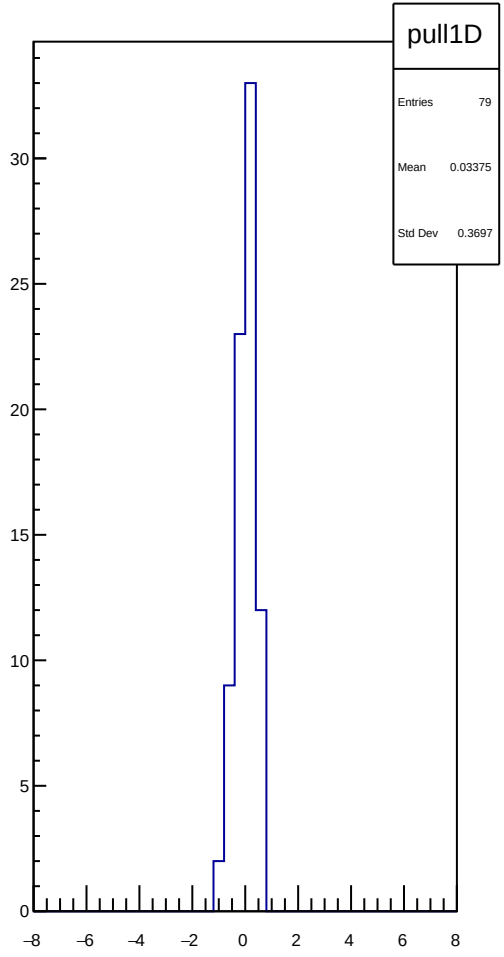

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 9.771 / 78
p0 −298.7 ± 8.539
pull
Entries 79
Mean −79.23
Std Dev 122.1

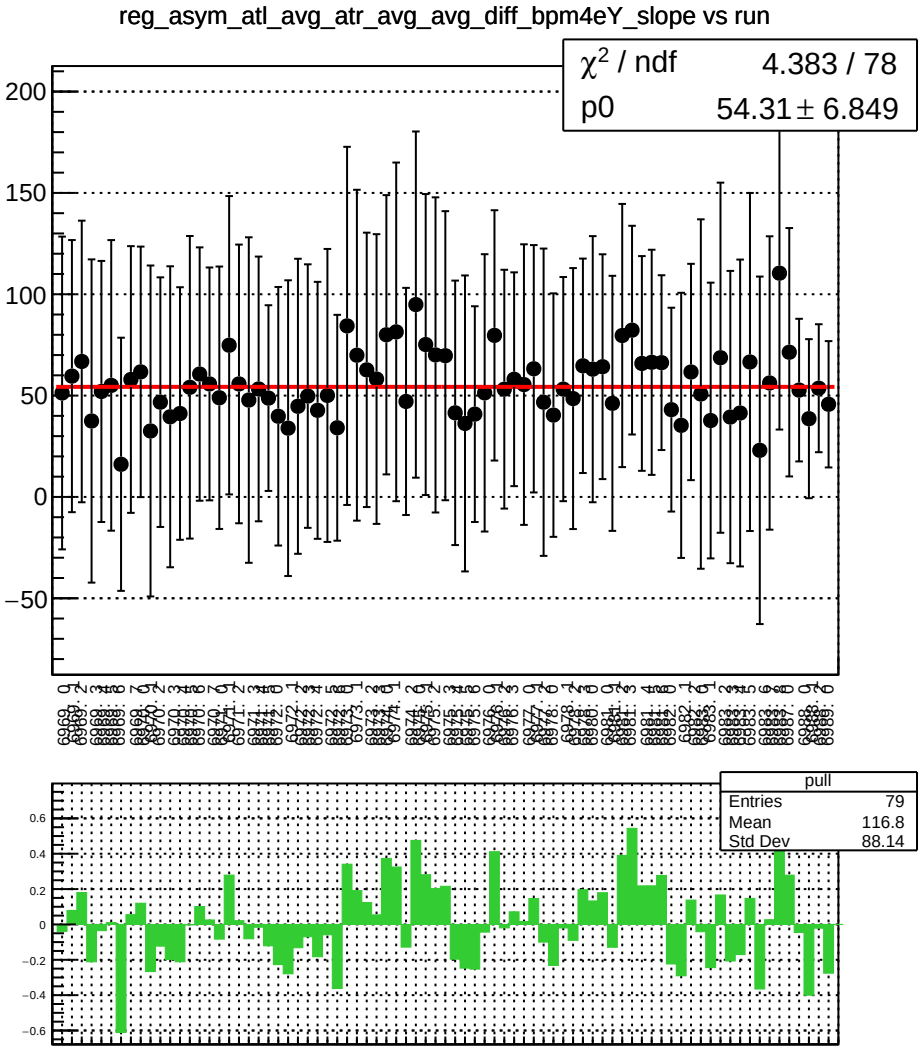

pull1D
Entries 79
Mean −0.02532
Std Dev 0.3508

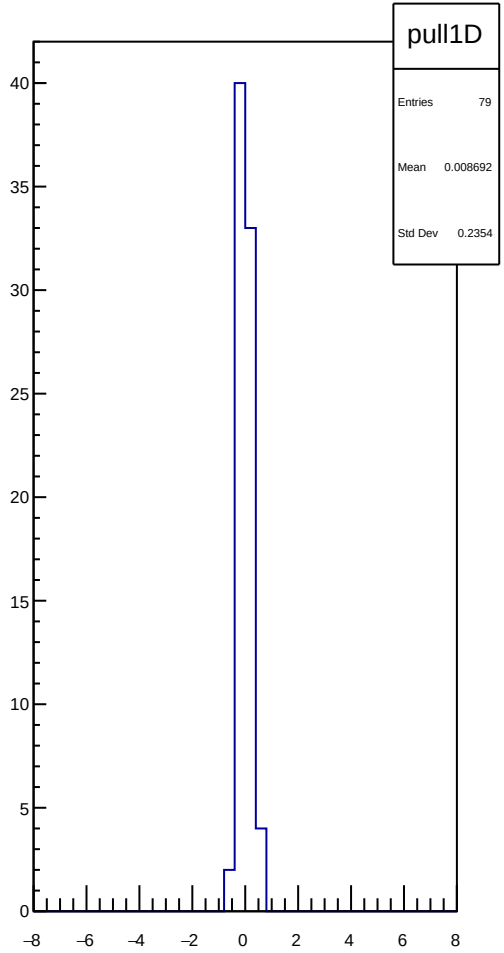

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.323 / 78
p0 11.09 ± 5.971
pull
Entries 79
Mean 312.8
Std Dev 277.1


pull1D
Entries 79
Mean −0.00353
Std Dev 0.2339

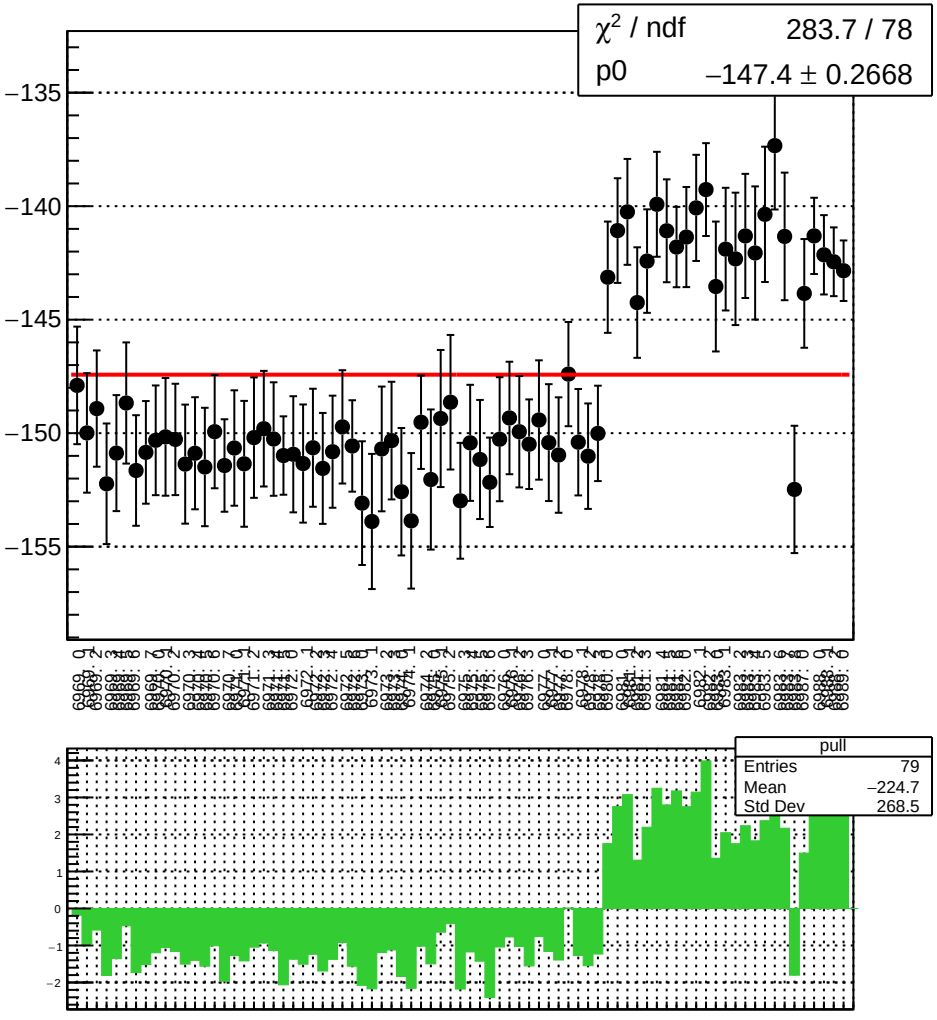

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 10.89 / 78
p0 283.9 ± 7.845
pull
Entries 79
Mean −66.75
Std Dev 109.8

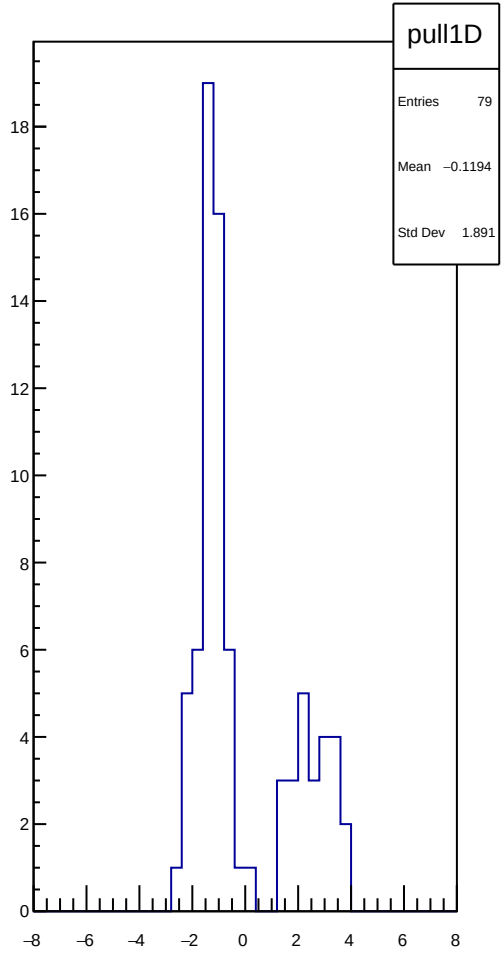

pull1D
Entries 79
Mean 0.03375
Std Dev 0.3697

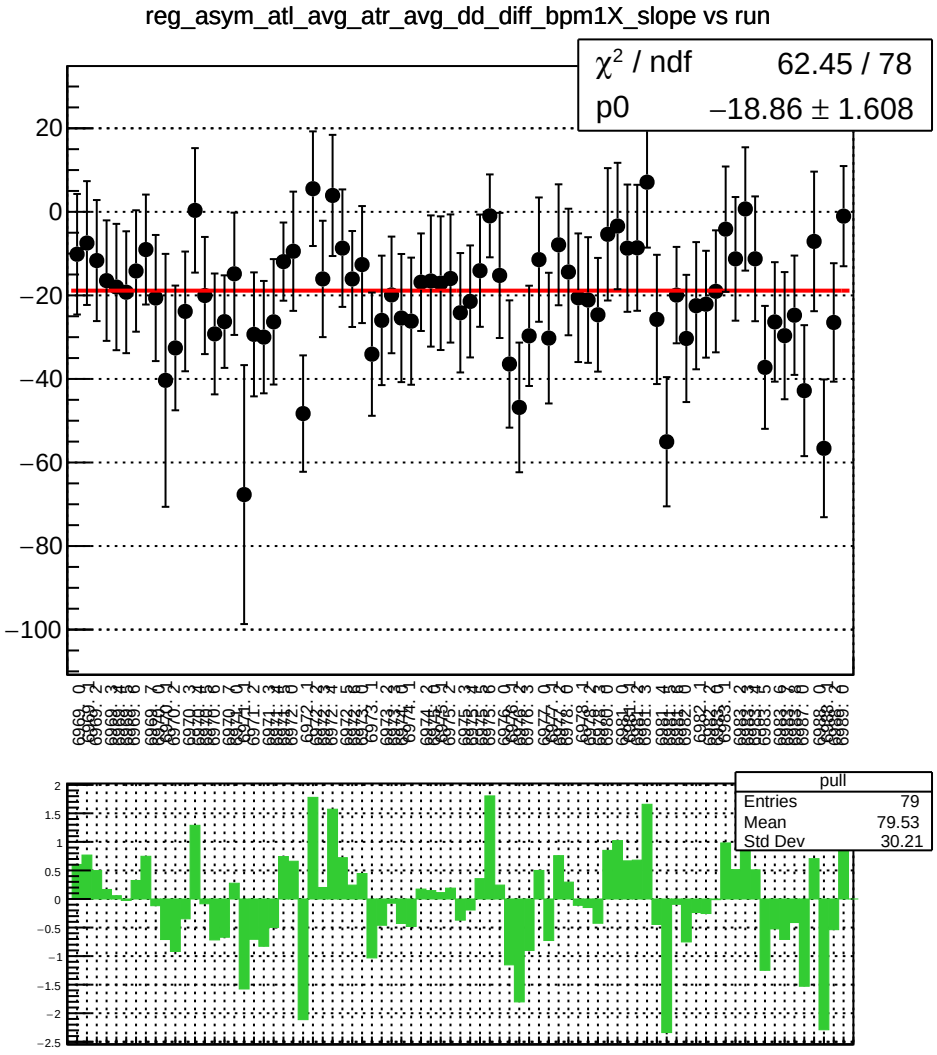

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.383 / 78
p0 54.31 ± 6.849
pull
Entries 79
Mean 116.8
Std Dev 88.14

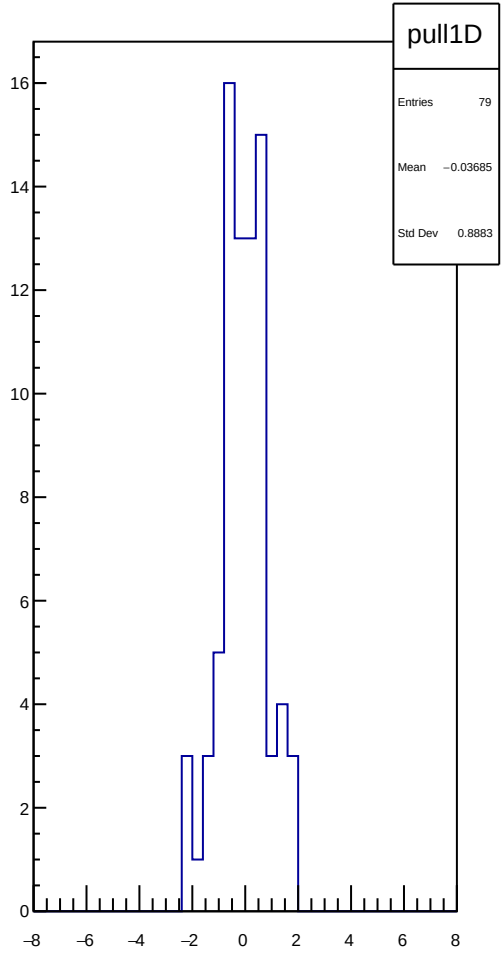

pull1D
Entries 79
Mean 0.008692
Std Dev 0.2354

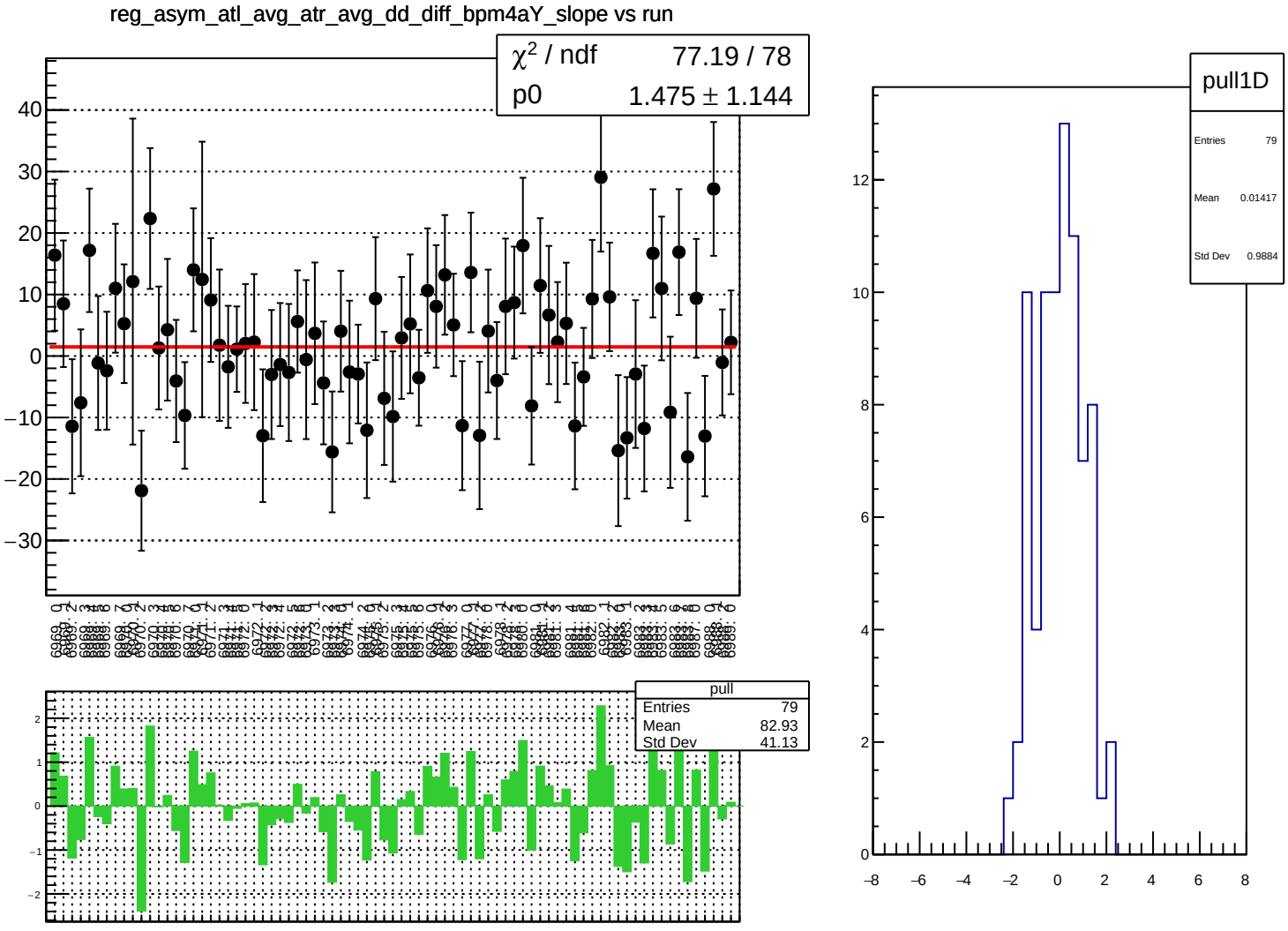
reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run

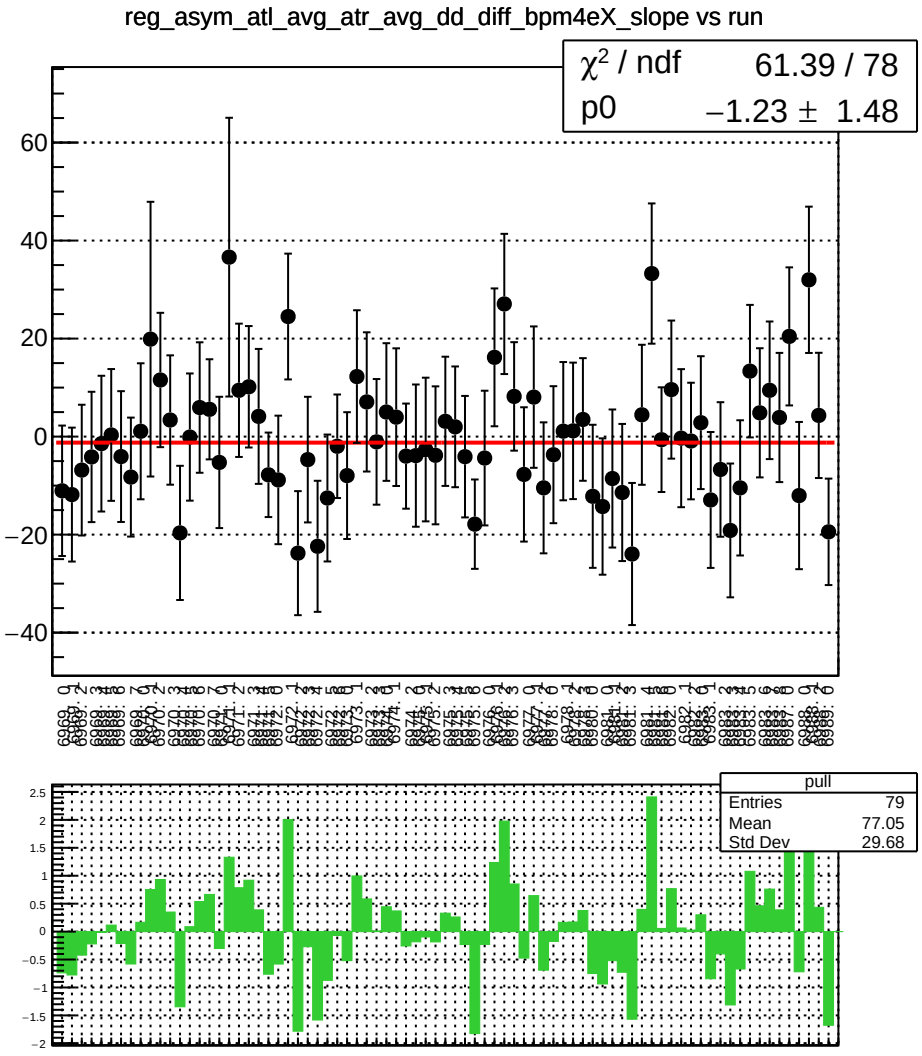


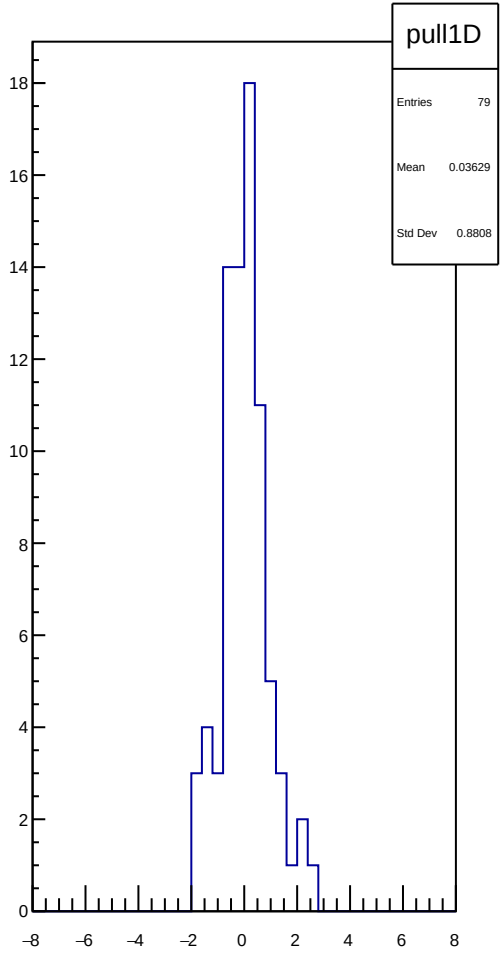



reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 62.45 / 78
p0 −18.86 ± 1.608
pull
Entries 79
Mean 79.53
Std Dev 30.21

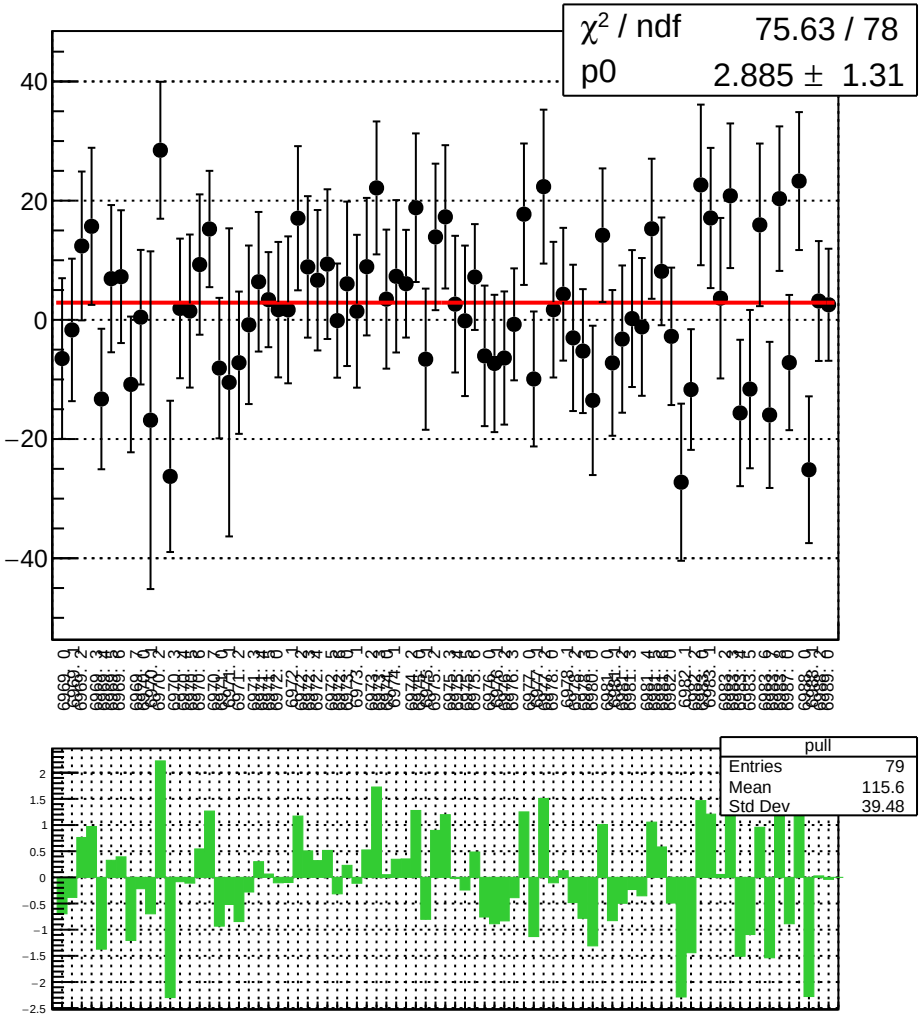

pull1D
Entries 79
Mean −0.03685
Std Dev 0.8883

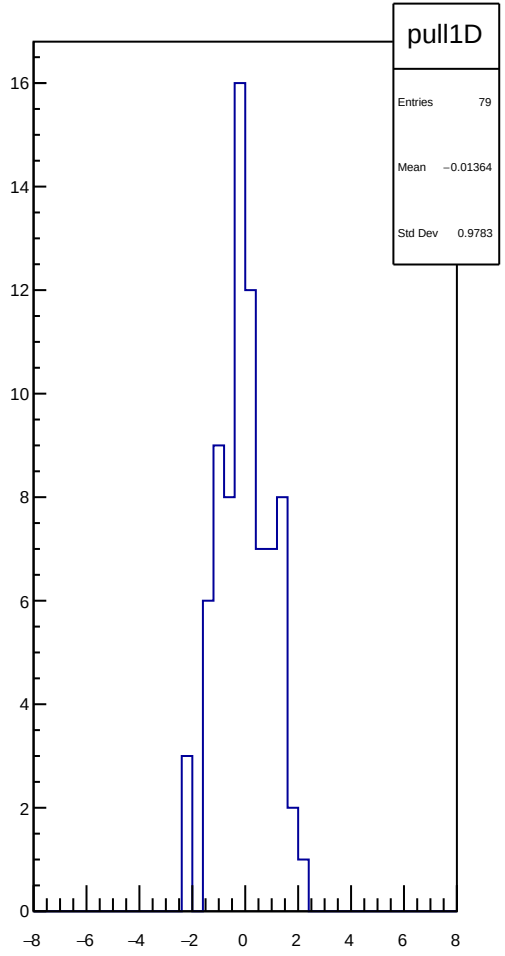

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 77.19 / 78
p0 1.475 ± 1.144
pull
Entries 79
Mean 82.93
Std Dev 41.13
pull1D
Entries 79
Mean 0.01417
Std Dev 0.9884

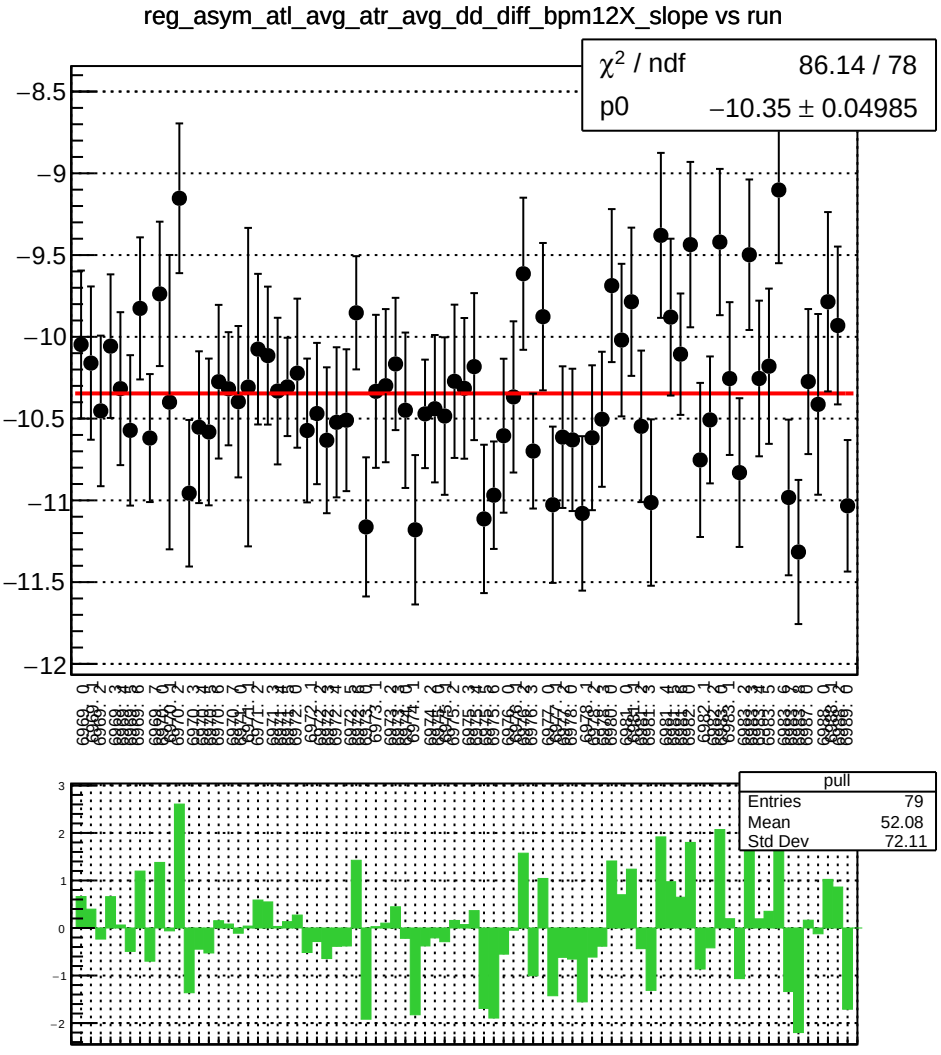

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 61.39 / 78
p0 −1.23 ± 1.48
pull
Entries 79
Mean 77.05
Std Dev 29.68

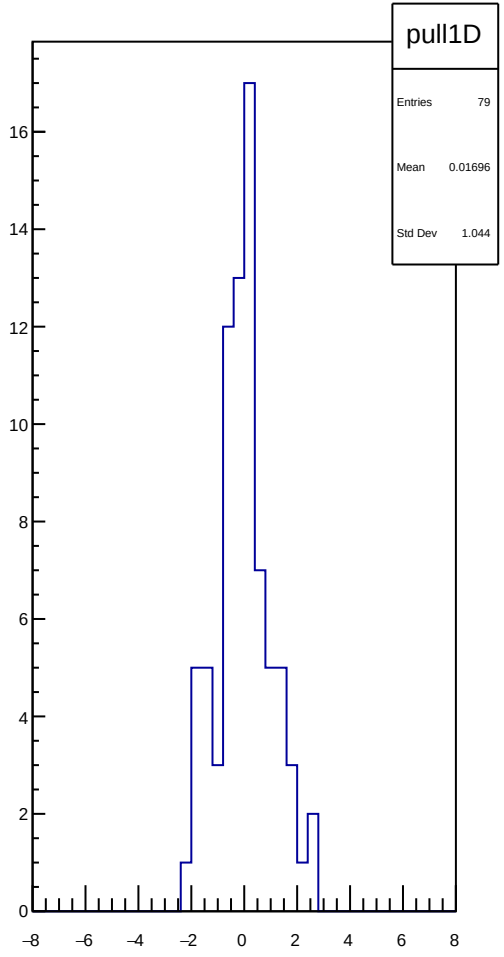

pull1D
Entries 79
Mean 0.03629
Std Dev 0.8808

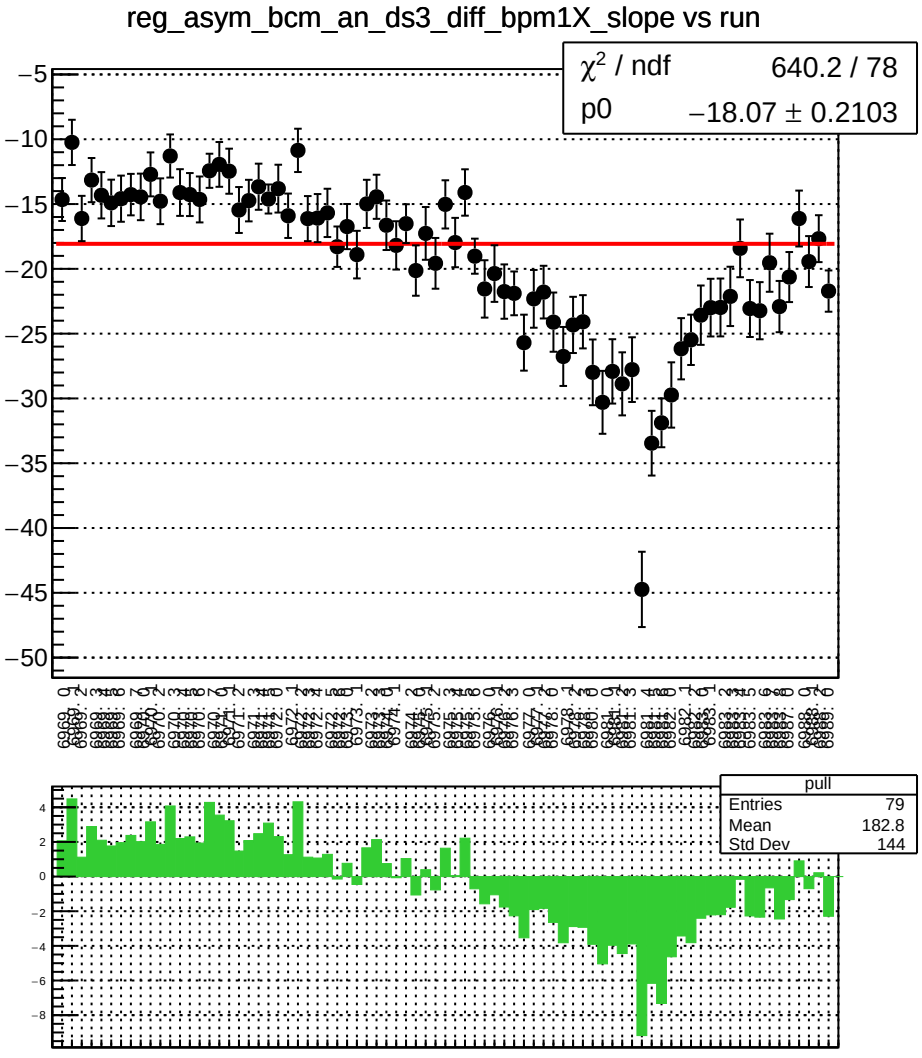
reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run

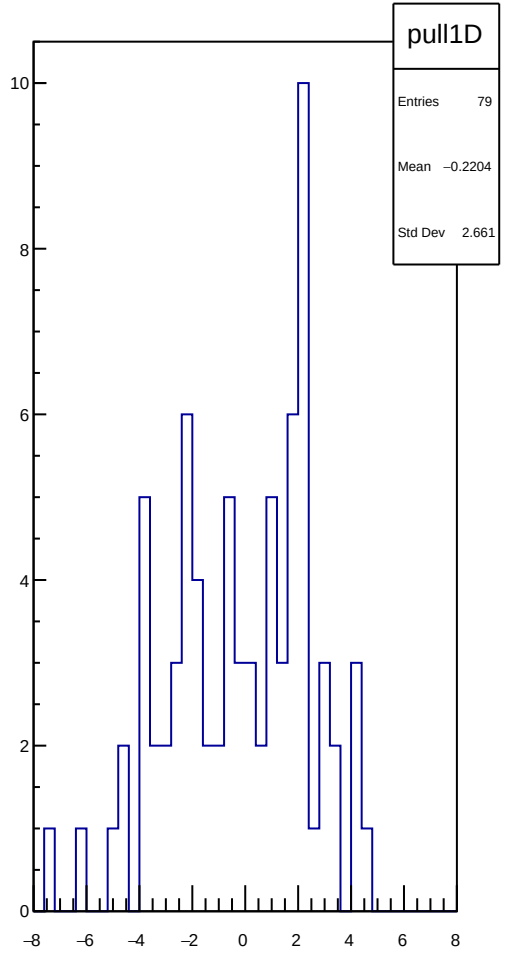


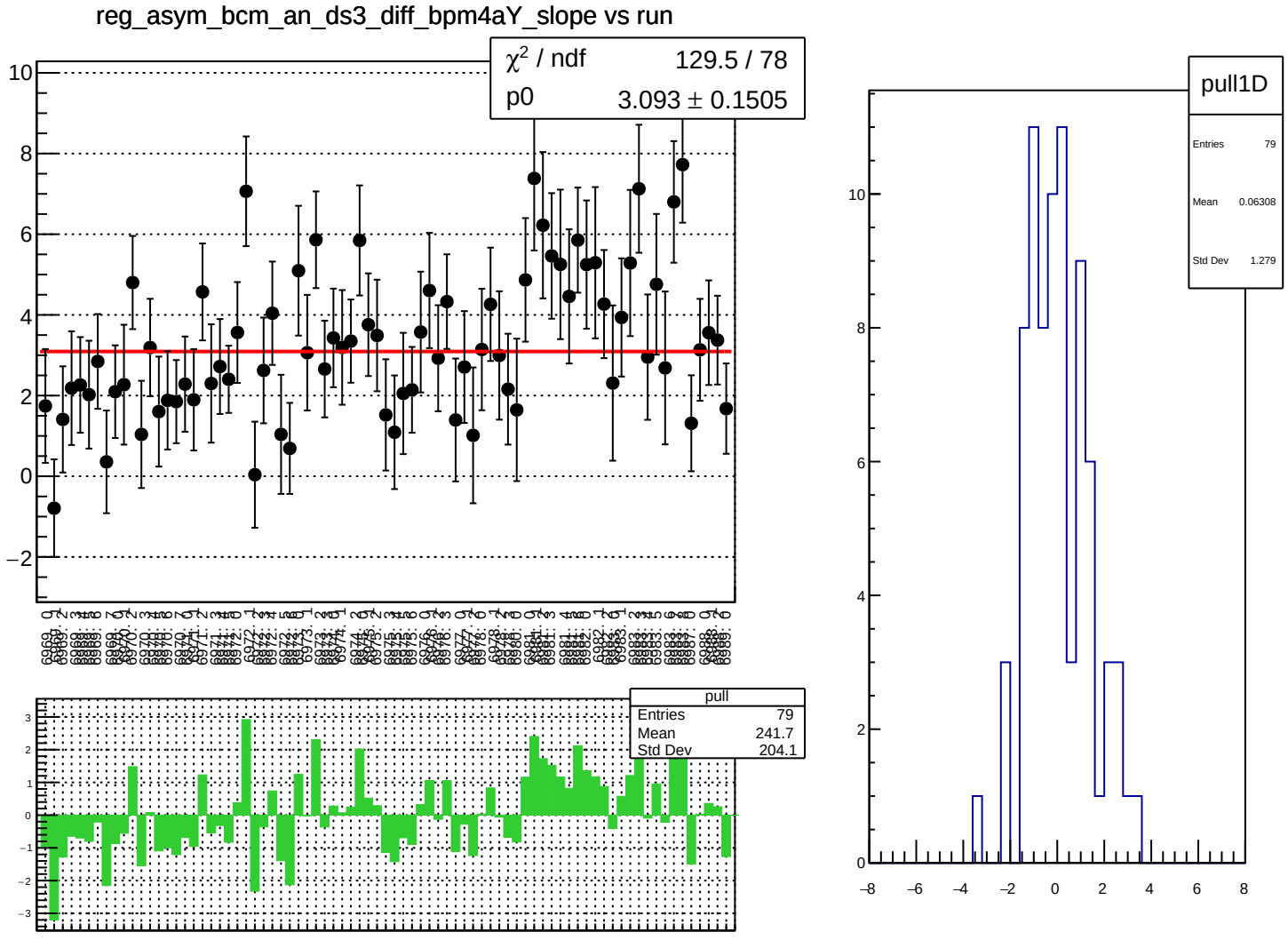



reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 86.14 / 78
p0 −10.35 ± 0.04985
pull
Entries 79
Mean 52.08
Std Dev 72.11

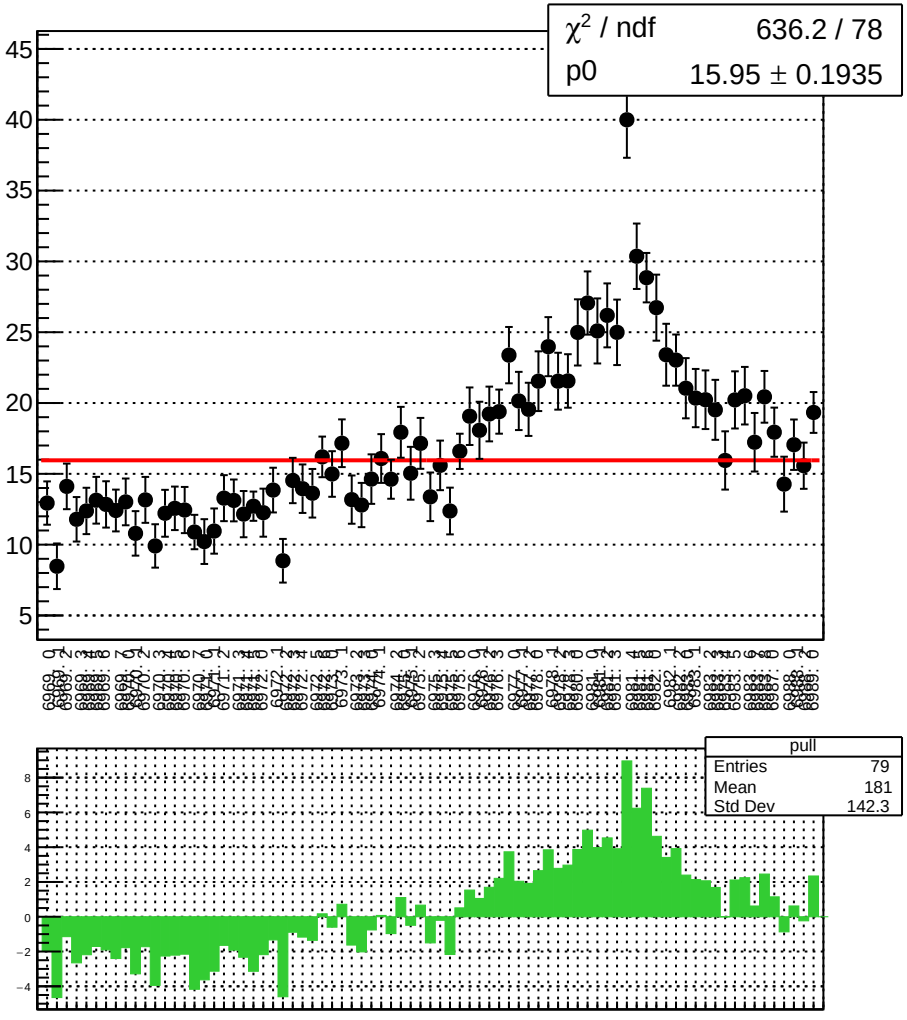

pull1D
Entries 79
Mean 0.01696
Std Dev 1.044

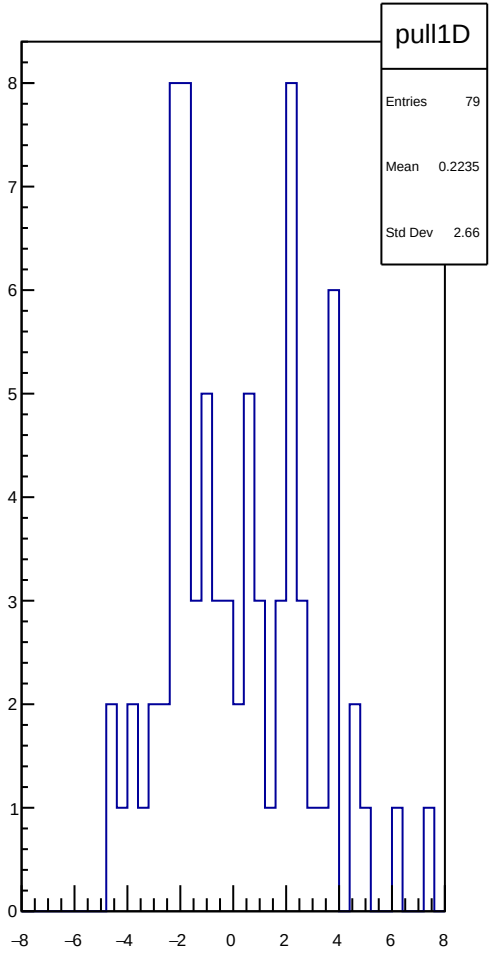

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 640.2 / 78
p0 −18.07 ± 0.2103
pull
Entries 79
Mean 182.8
Std Dev 144

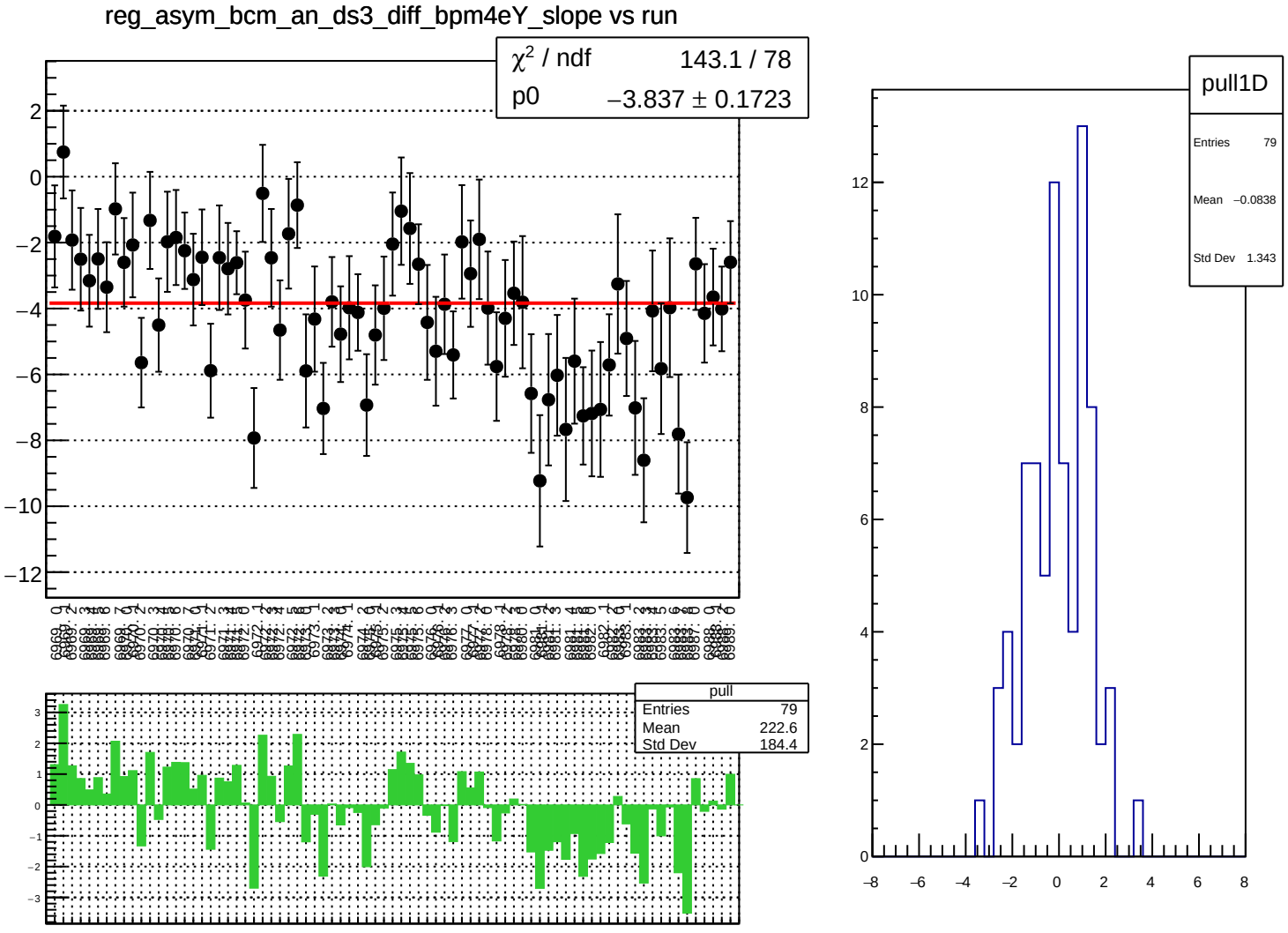

pull1D
Entries 79
Mean −0.2204
Std Dev 2.661

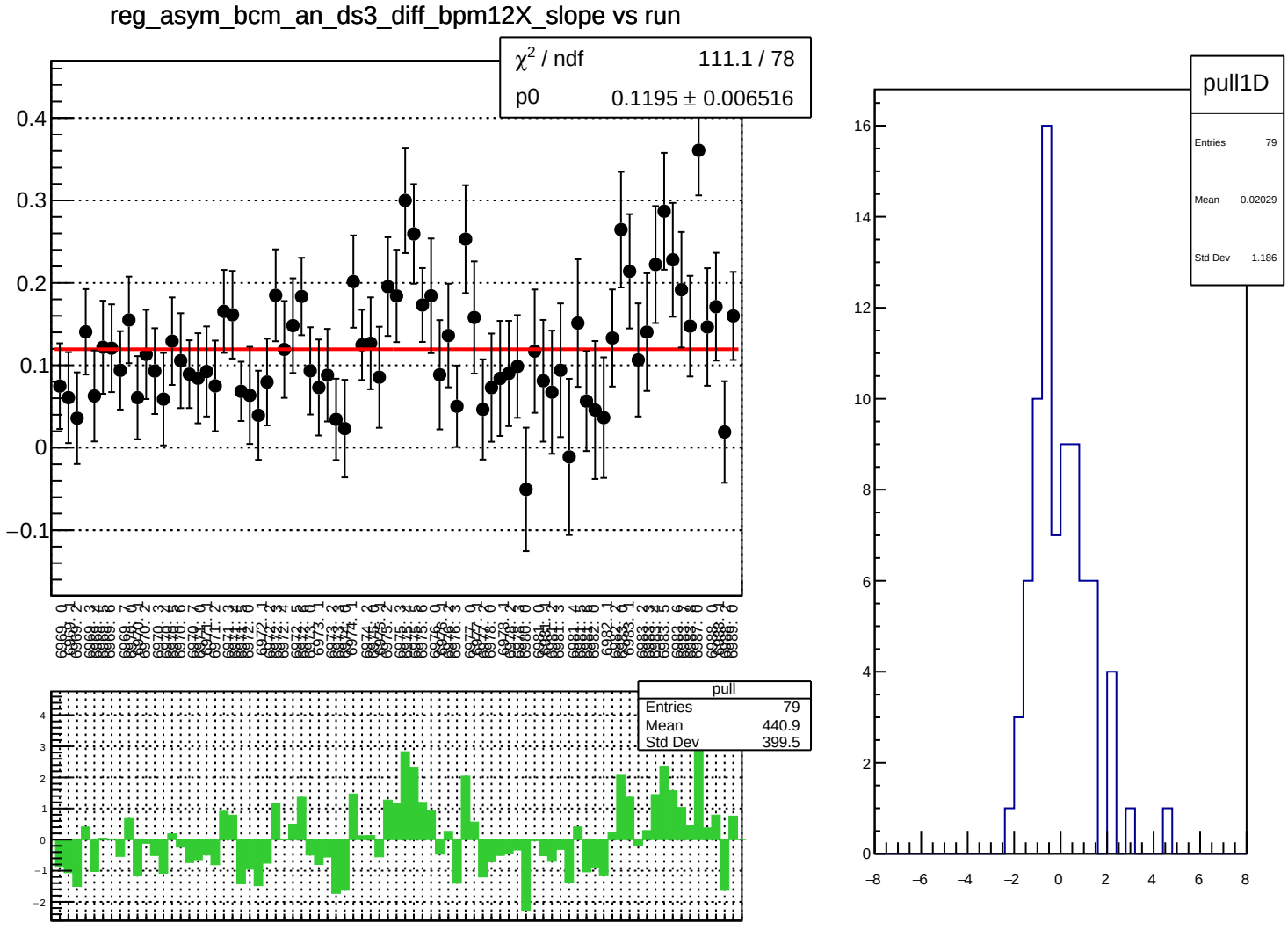

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 129.5 / 78
p0 3.093 ± 0.1505
pull
Entries 79
Mean 241.7
Std Dev 204.1
pull1D
Entries 79
Mean 0.06308
Std Dev 1.279

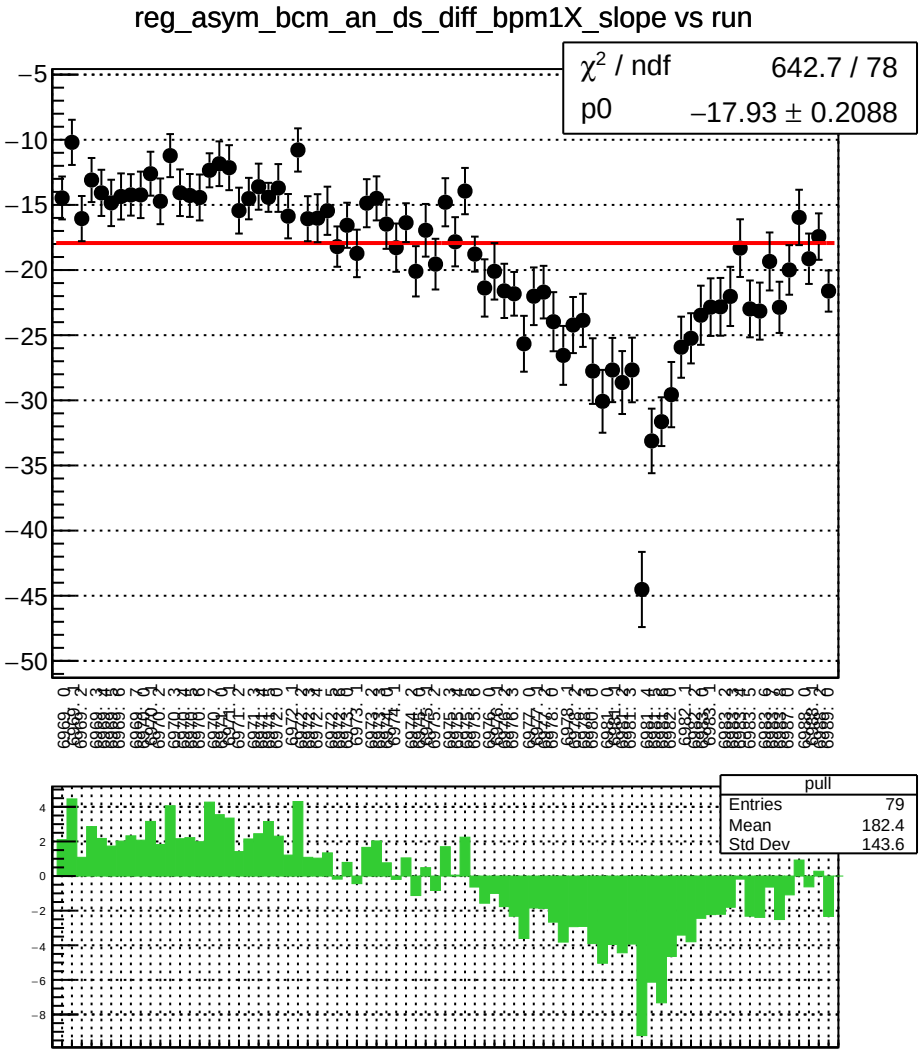
reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run

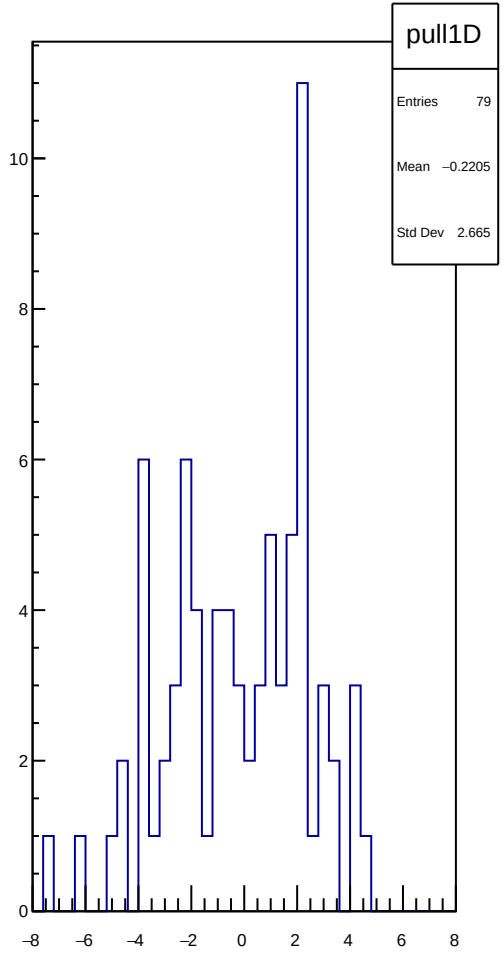


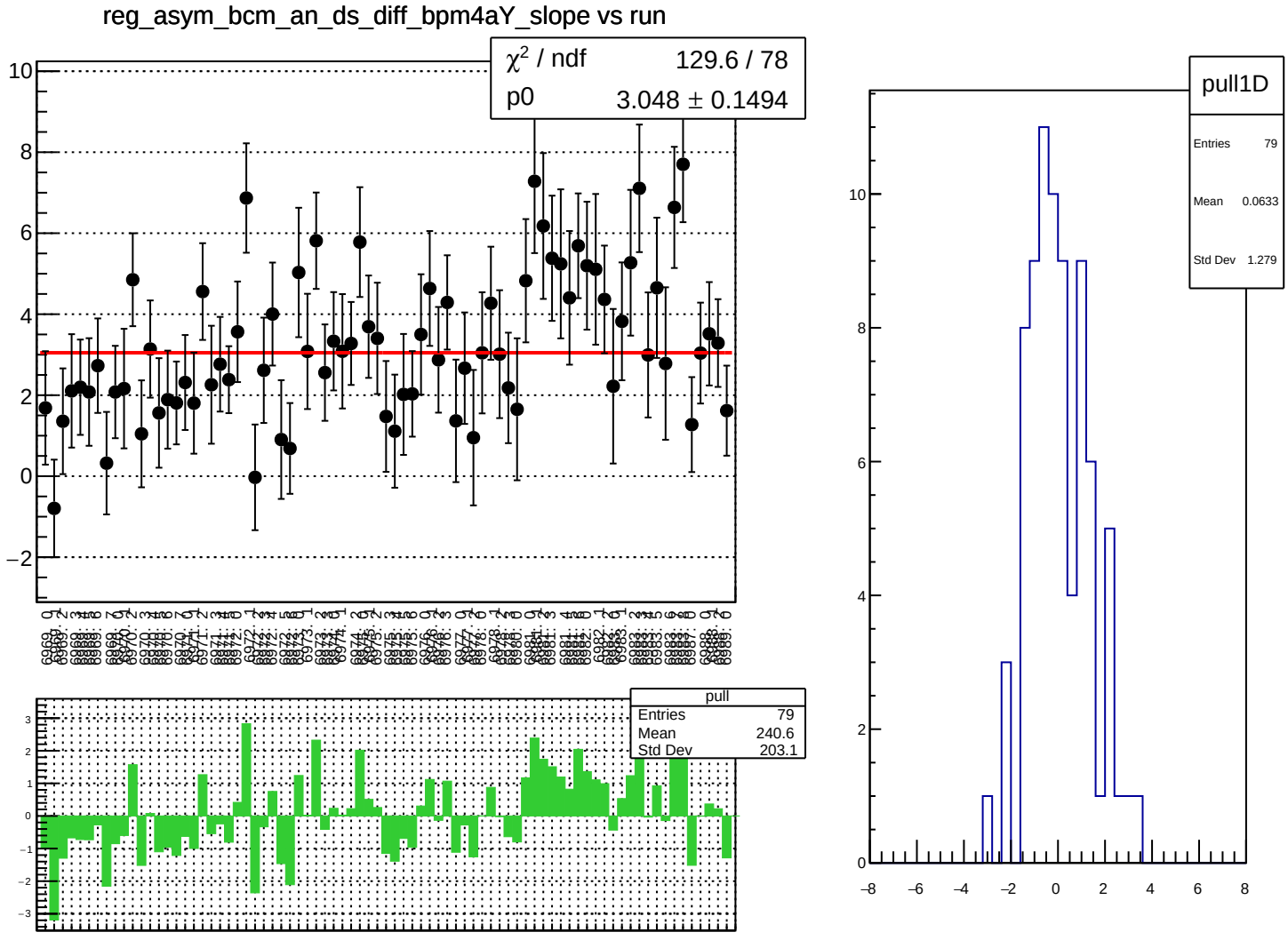


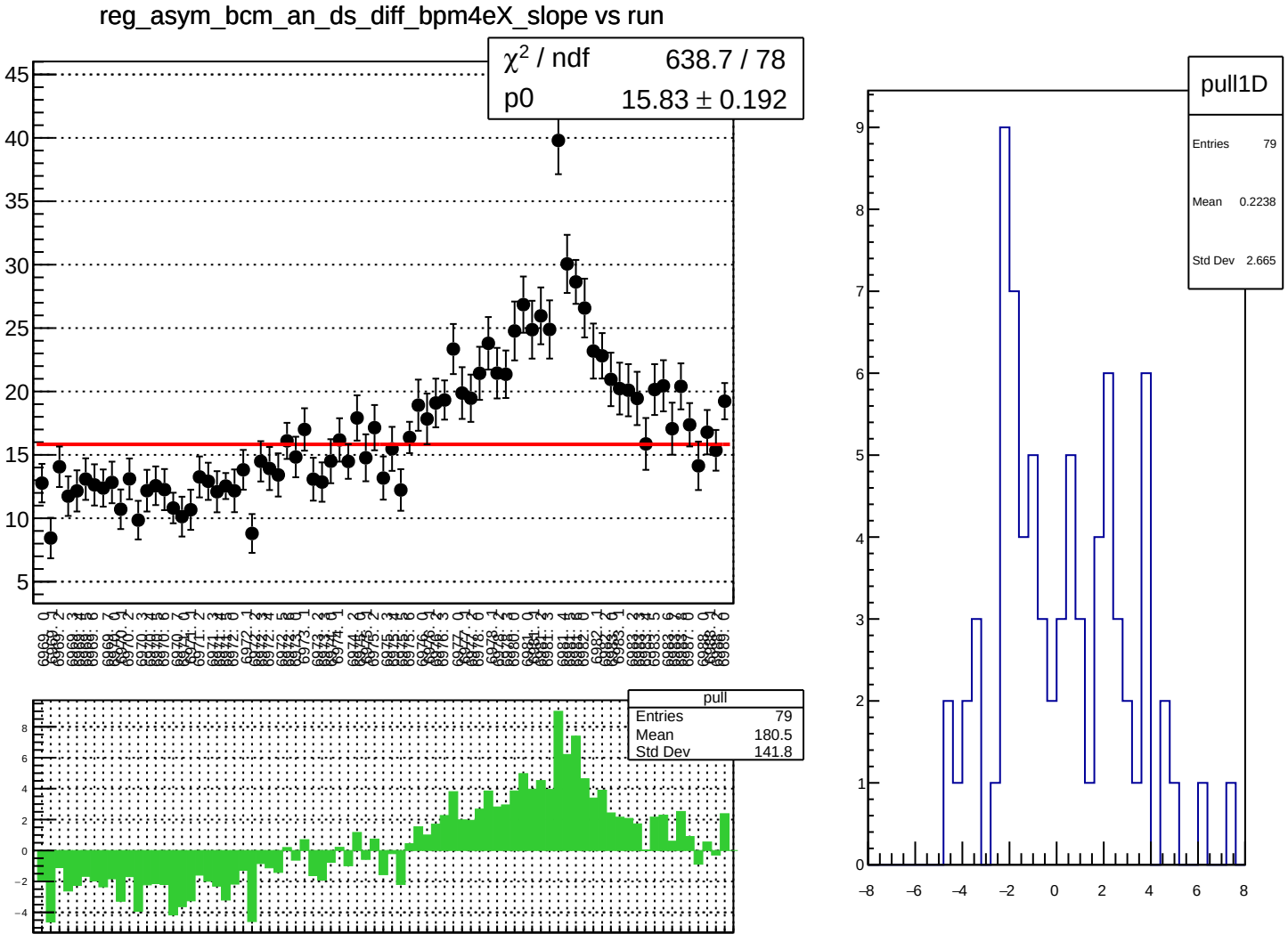

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 143.1 / 78
p0 −3.837 ± 0.1723
pull
Entries 79
Mean 222.6
Std Dev 184.4
pull1D
Entries 79
Mean −0.0838
Std Dev 1.343

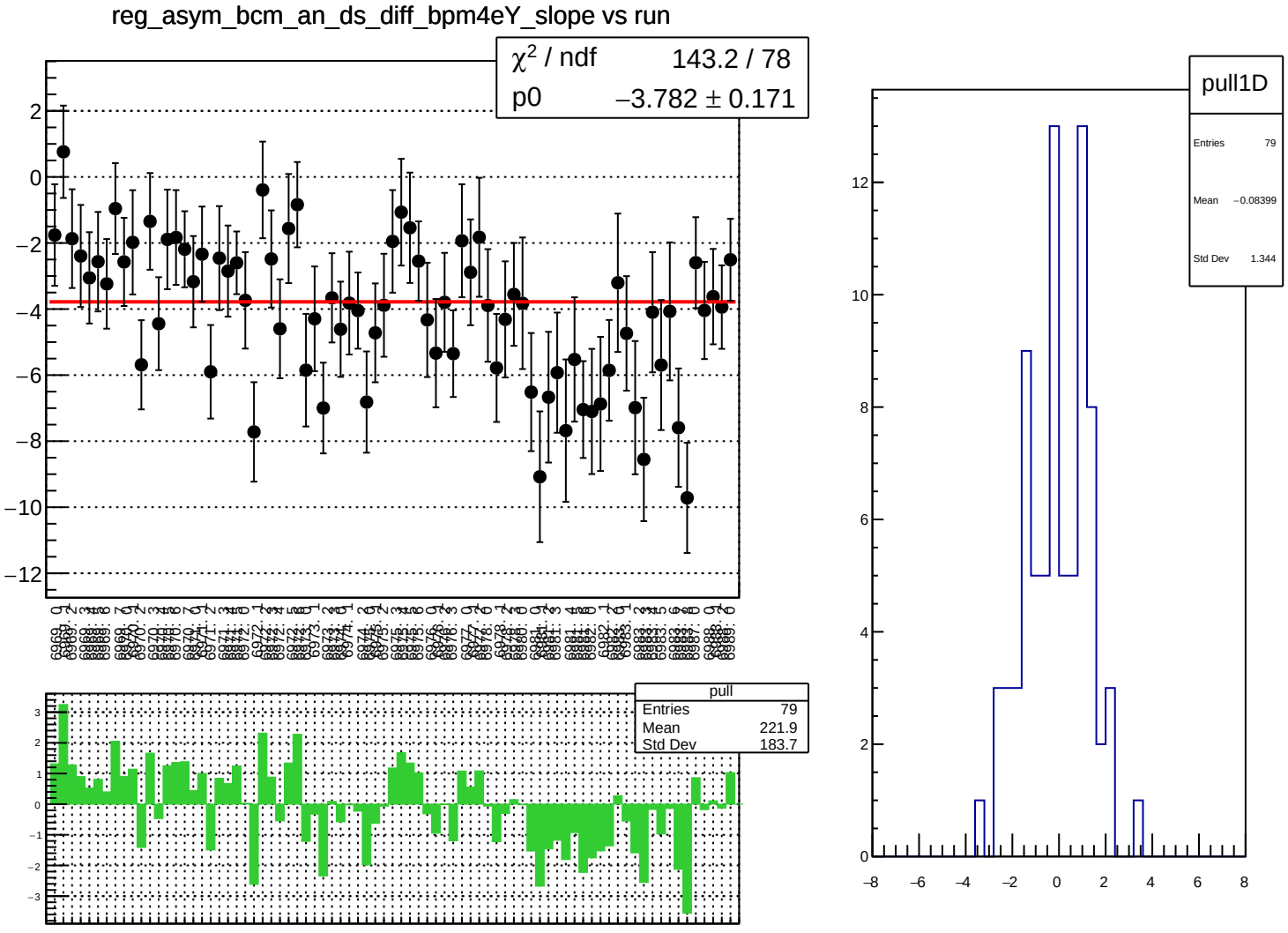

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 111.1 / 78
p0 0.1195 ± 0.006516
pull
Entries 79
Mean 440.9
Std Dev 399.5
pull1D
Entries 79
Mean 0.02029
Std Dev 1.186

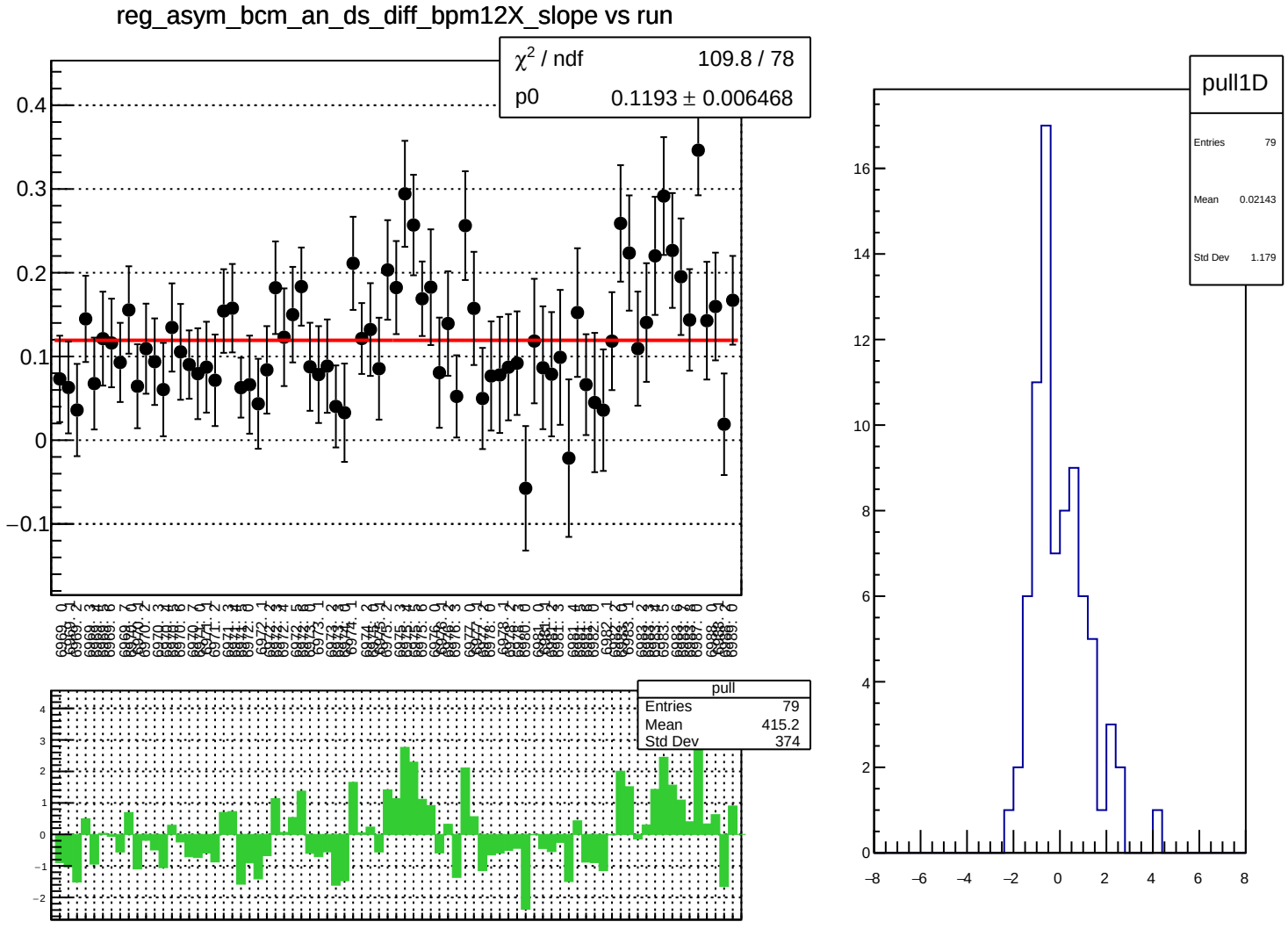

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 642.7 / 78
p0 −17.93 ± 0.2088
pull
Entries 79
Mean 182.4
Std Dev 143.6

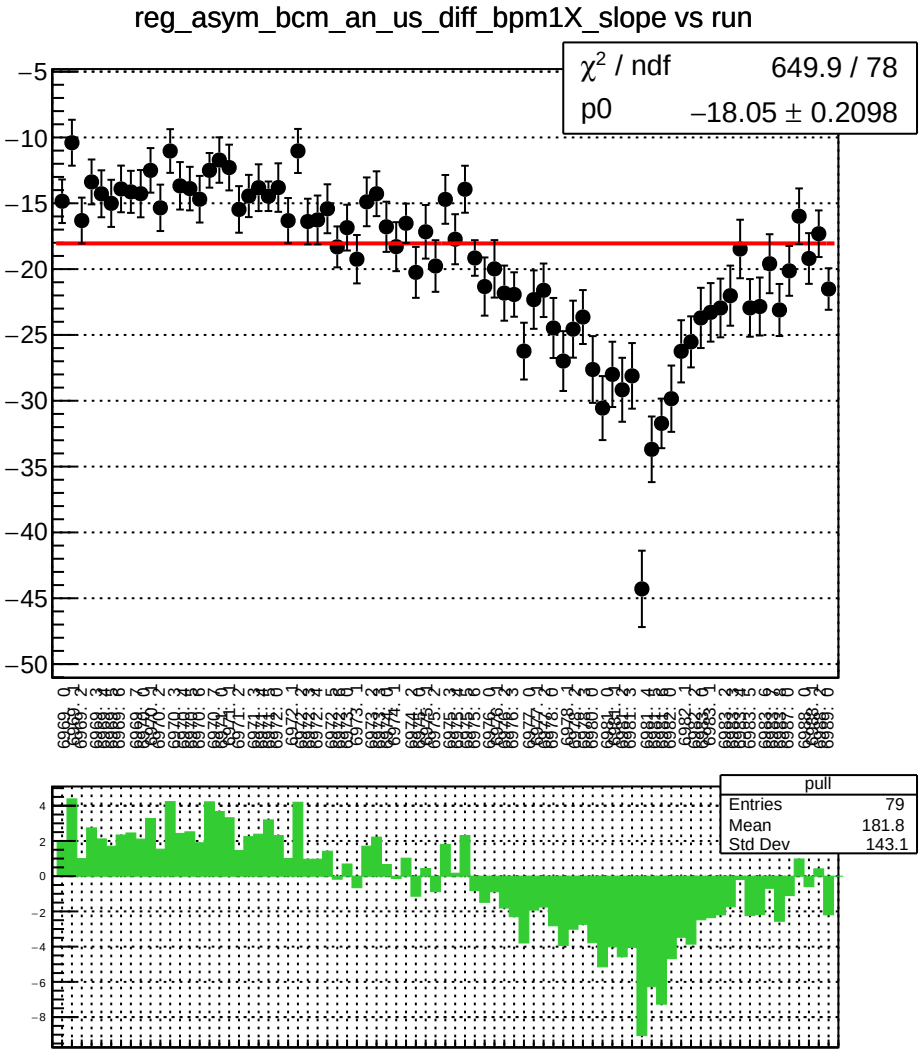

pull1D
Entries 79
Mean −0.2205
Std Dev 2.665

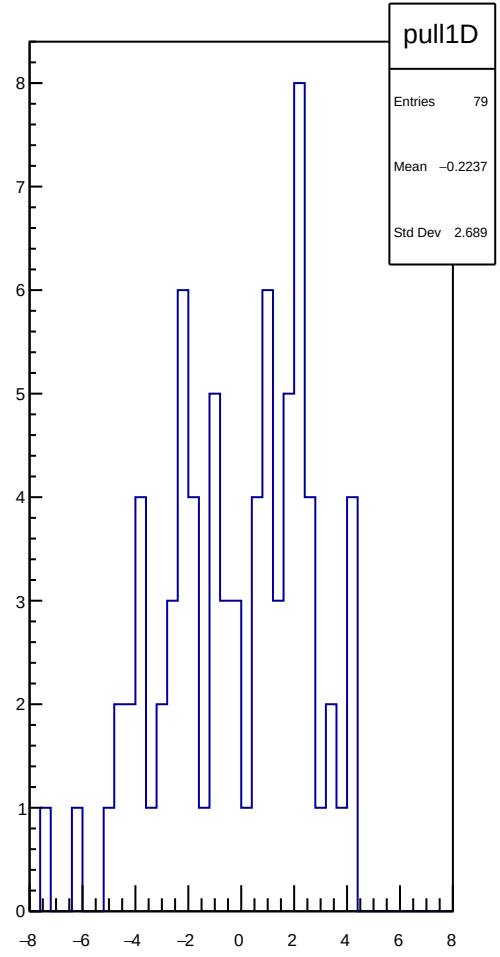

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 129.6 / 78
p0 3.048 ± 0.1494
pull
Entries 79
Mean 240.6
Std Dev 203.1
pull1D
Entries 79
Mean 0.0633
Std Dev 1.279

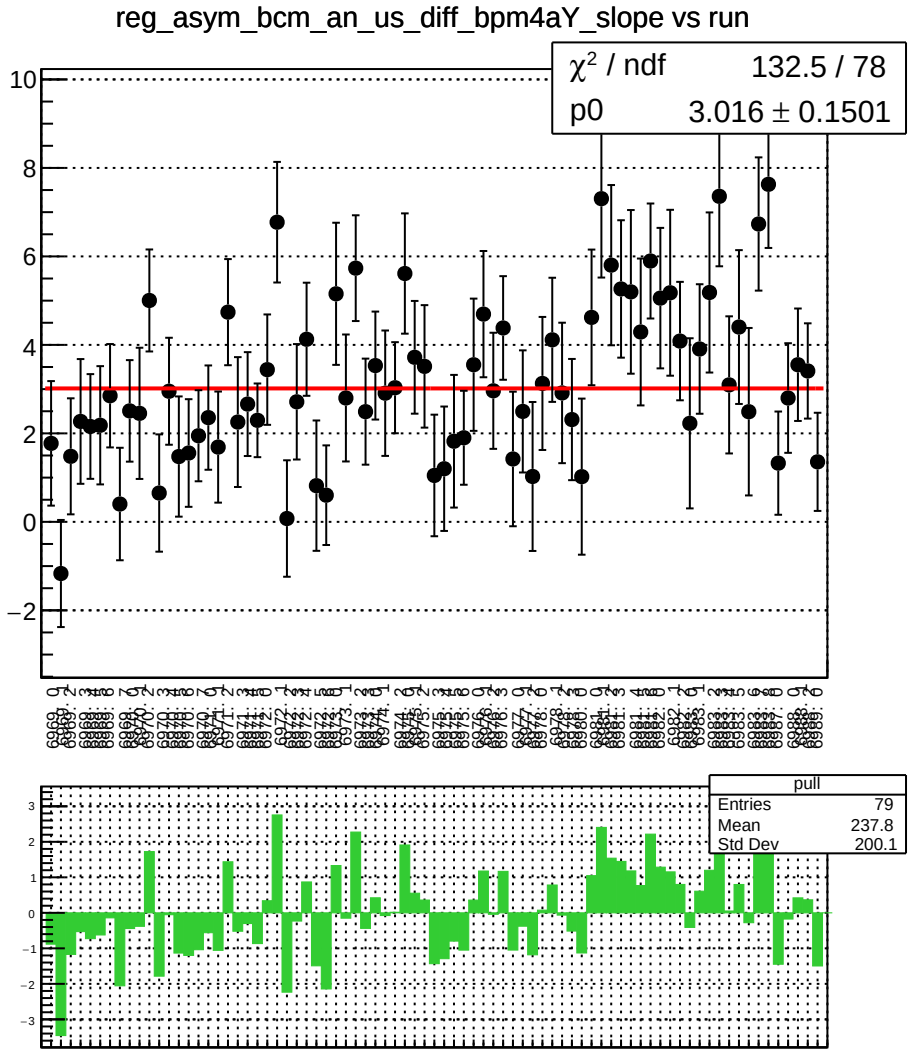

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 638.7 / 78
p0 15.83 ± 0.192
pull
Entries 79
Mean 180.5
Std Dev 141.8
pull1D
Entries 79
Mean 0.2238
Std Dev 2.665

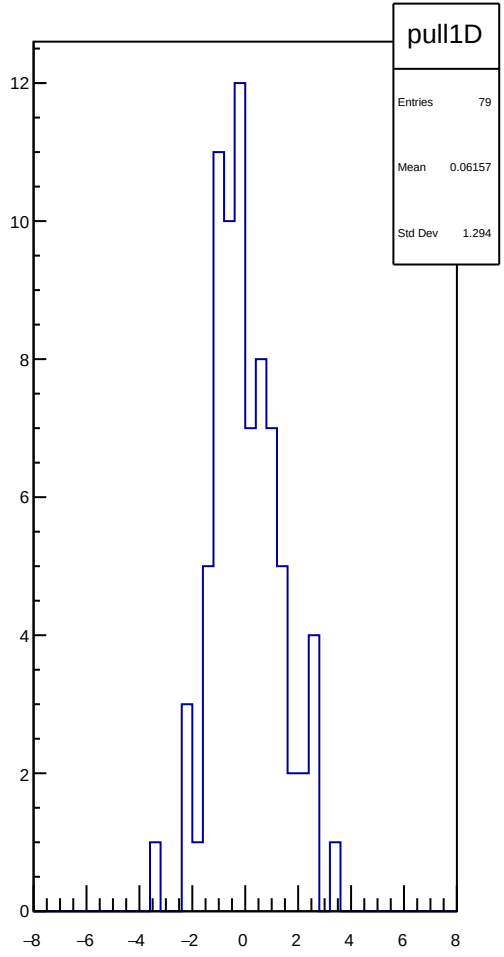

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 143.2 / 78
p0 −3.782 ± 0.171
pull
Entries 79
Mean 221.9
Std Dev 183.7
pull1D
Entries 79
Mean −0.08399
Std Dev 1.344

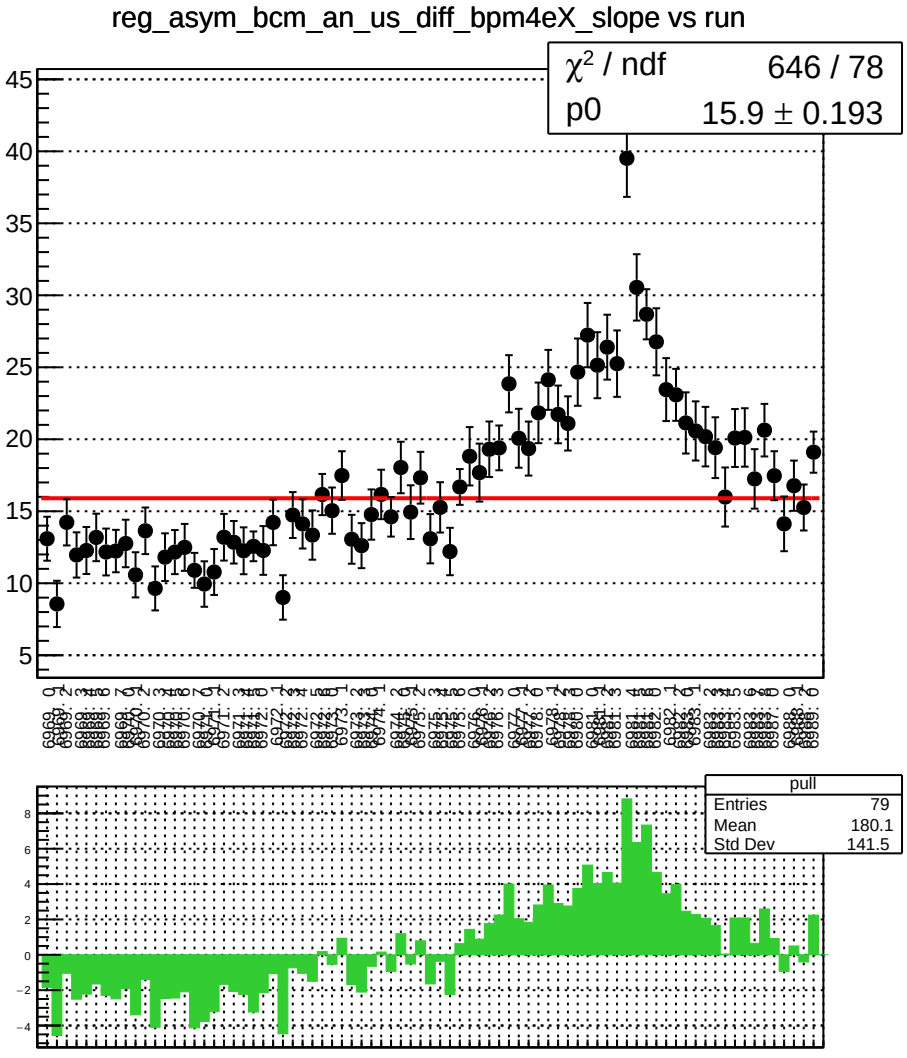

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 109.8 / 78
p0 0.1193 ± 0.006468
pull
Entries 79
Mean 415.2
Std Dev 374
pull1D
Entries 79
Mean 0.02143
Std Dev 1.179

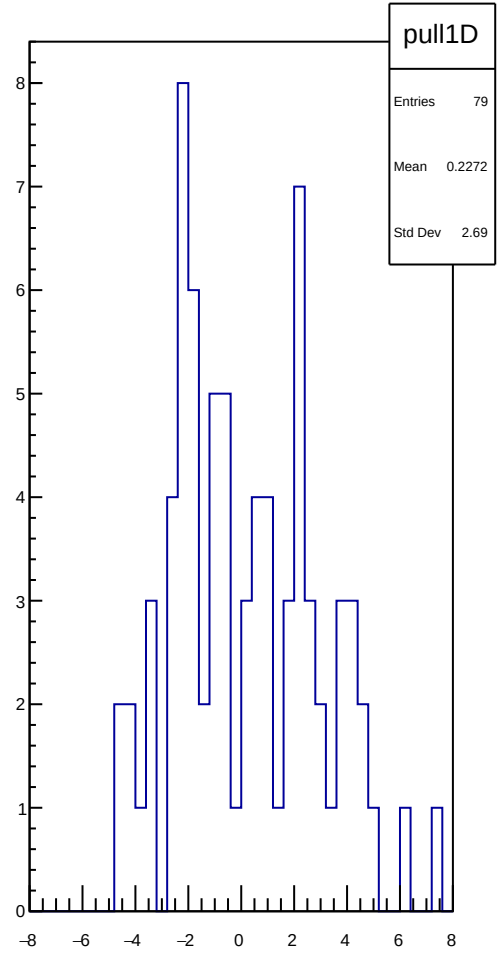

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 649.9 / 78
p0 −18.05 ± 0.2098
pull
Entries 79
Mean 181.8
Std Dev 143.1

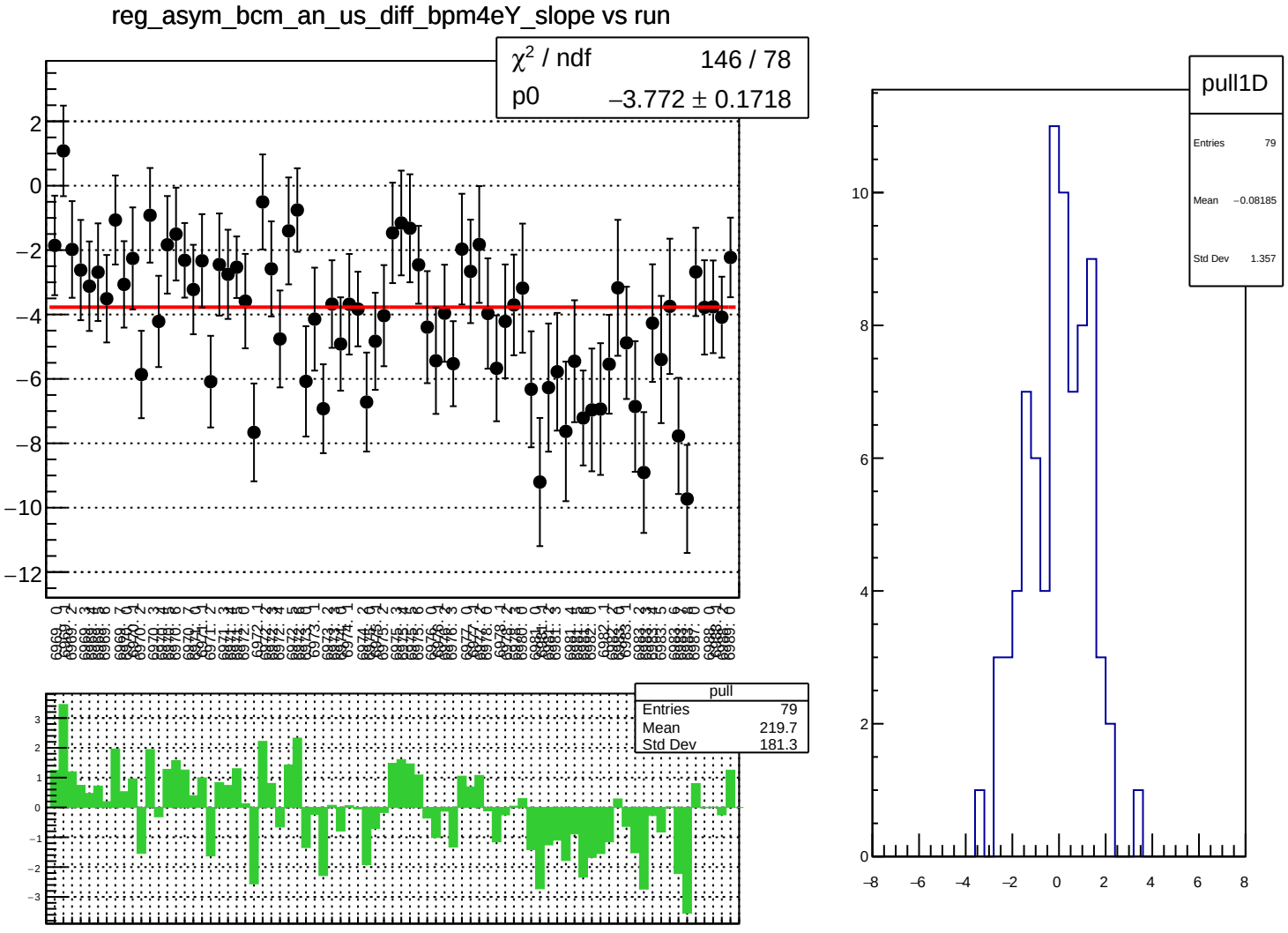

pull1D
Entries 79
Mean −0.2237
Std Dev 2.689

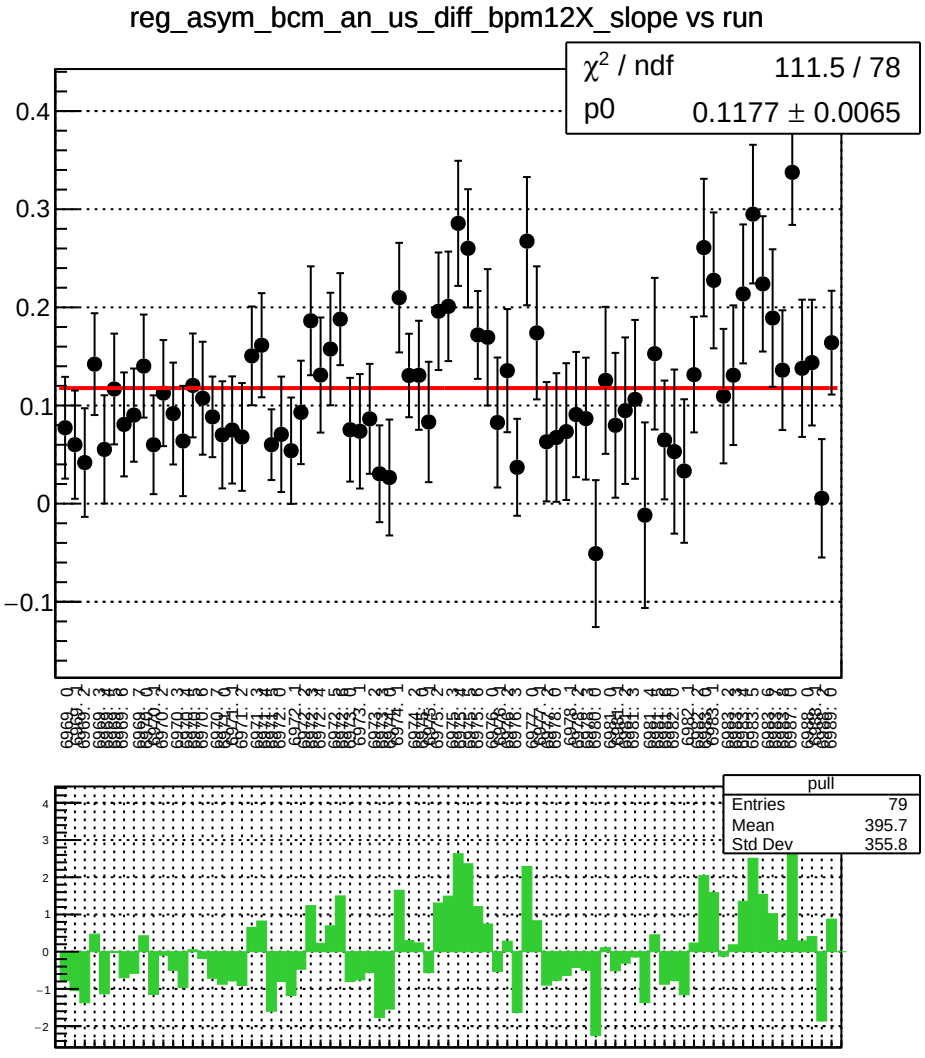

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 132.5 / 78
p0 3.016 ± 0.1501
pull
Entries 79
Mean 237.8
Std Dev 200.1

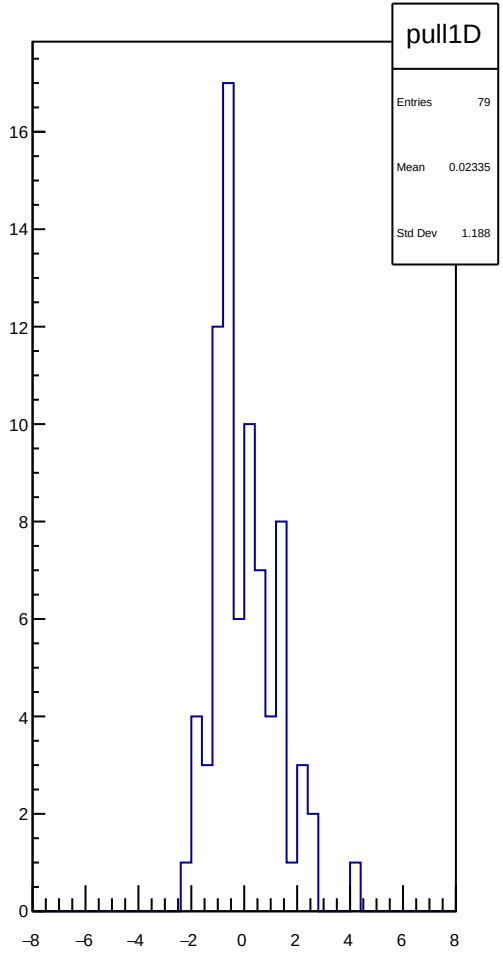

pull1D
Entries 79
Mean 0.06157
Std Dev 1.294

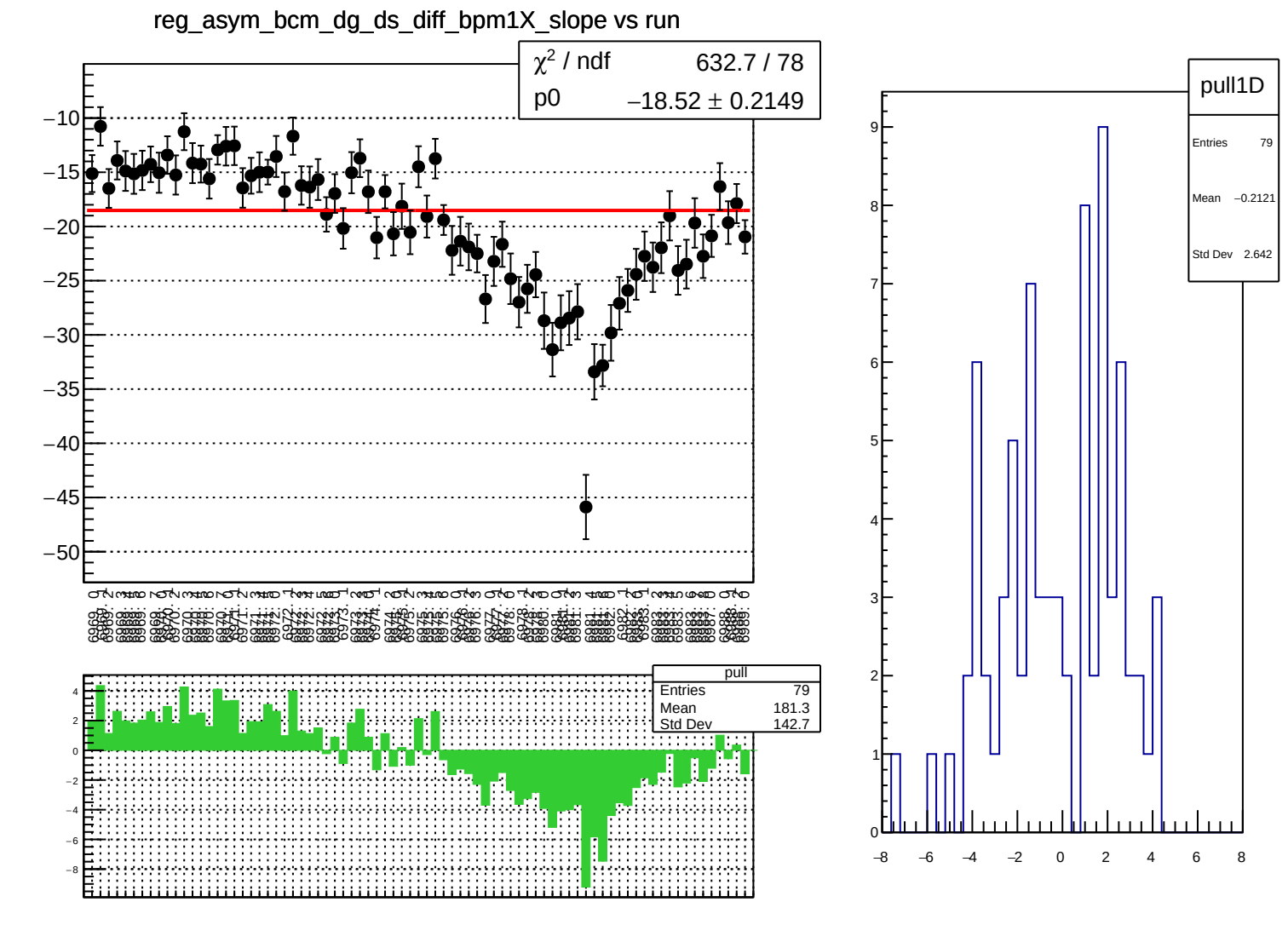

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 646 / 78
p0 15.9 ± 0.193
pull
Entries 79
Mean 180.1
Std Dev 141.5

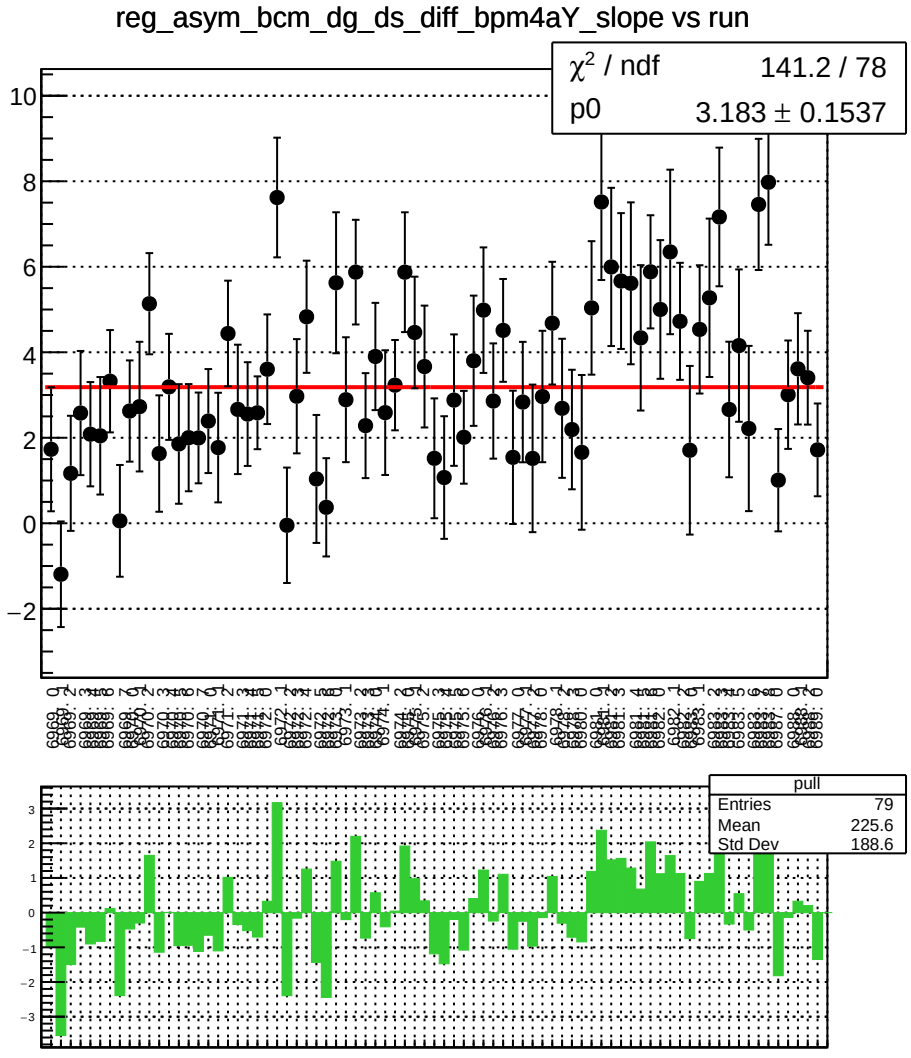

pull1D
Entries 79
Mean 0.2272
Std Dev 2.69

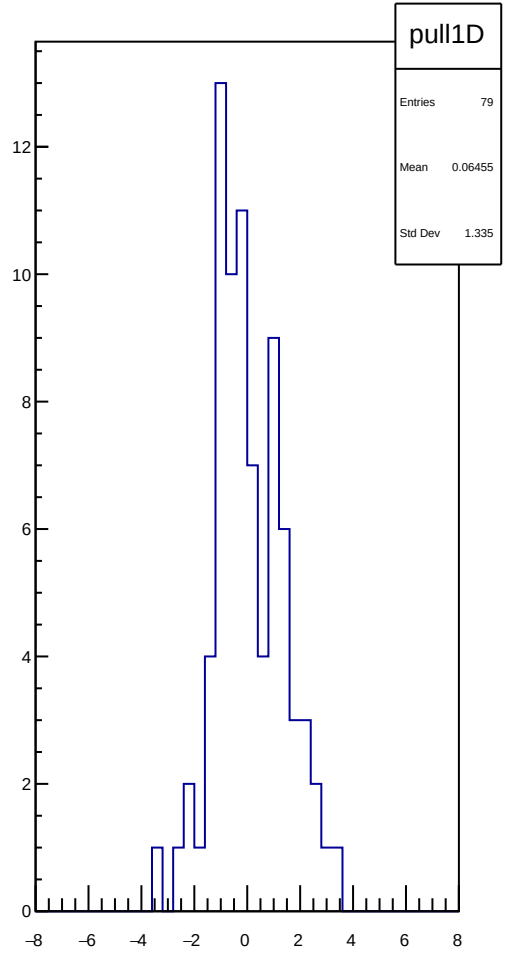

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 146 / 78
p0 −3.772 ± 0.1718
pull
Entries 79
Mean 219.7
Std Dev 181.3
pull1D
Entries 79
Mean −0.08185
Std Dev 1.357

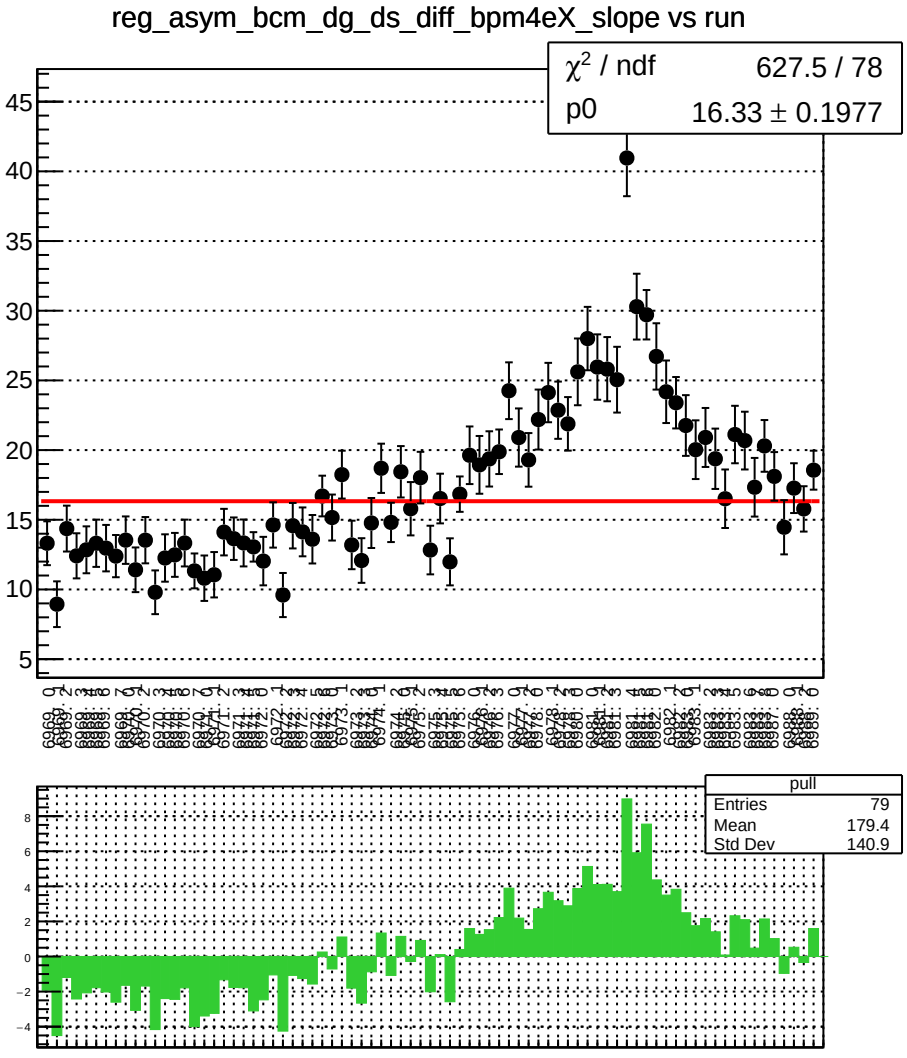

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 111.5 / 78
p0 0.1177 ± 0.0065
pull
Entries 79
Mean 395.7
Std Dev 355.8

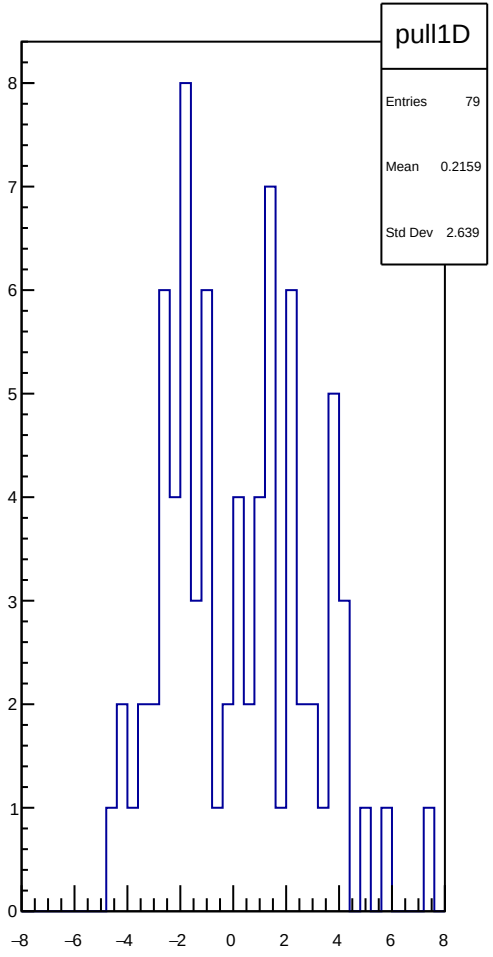

pull1D
Entries 79
Mean 0.02335
Std Dev 1.188

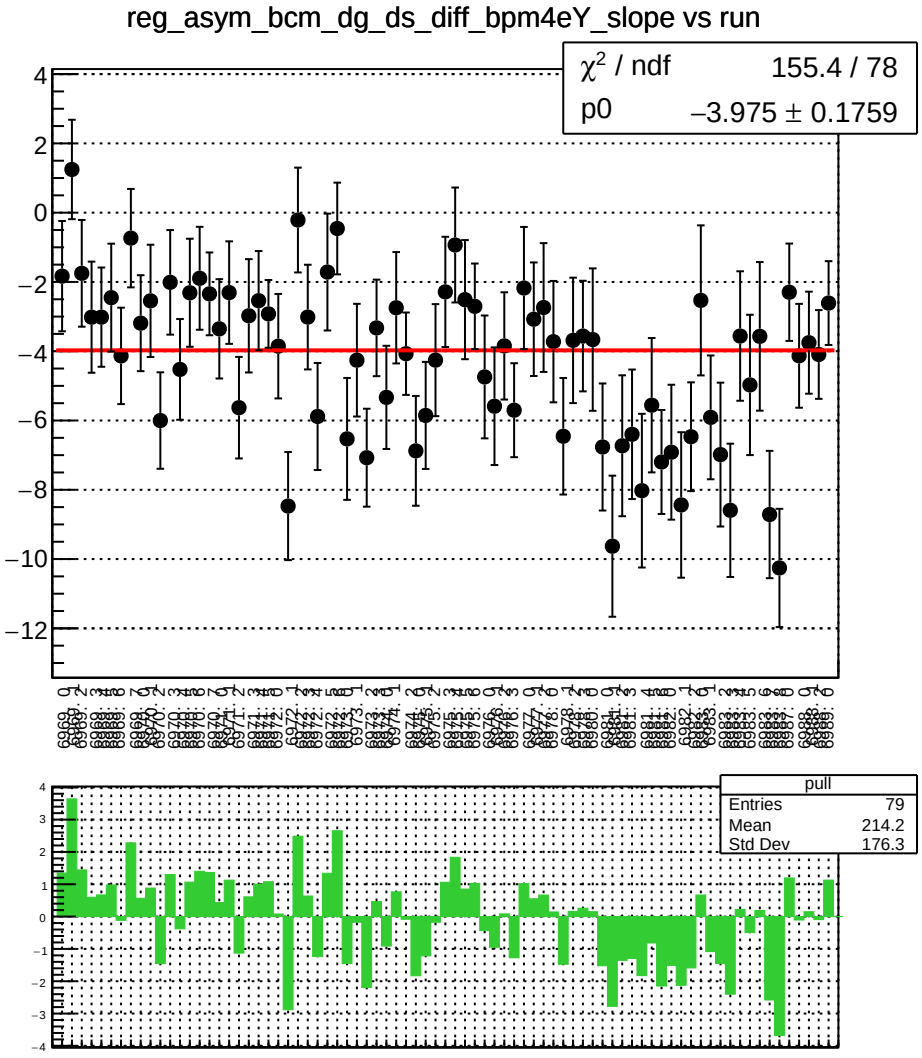

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 632.7 / 78
p0 −18.52 ± 0.2149
pull
Entries 79
Mean 181.3
Std Dev 142.7
pull1D
Entries 79
Mean −0.2121
Std Dev 2.642

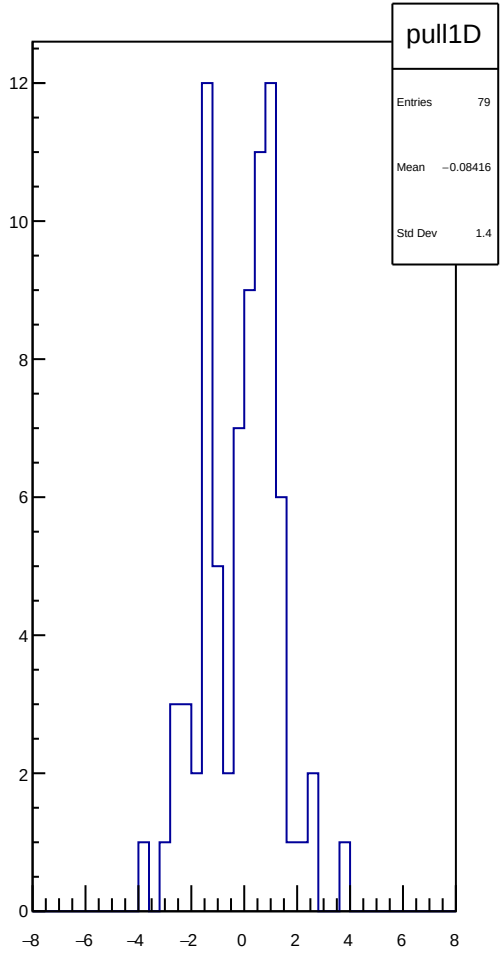

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 141.2 / 78
p0 3.183 ± 0.1537
pull
Entries 79
Mean 225.6
Std Dev 188.6

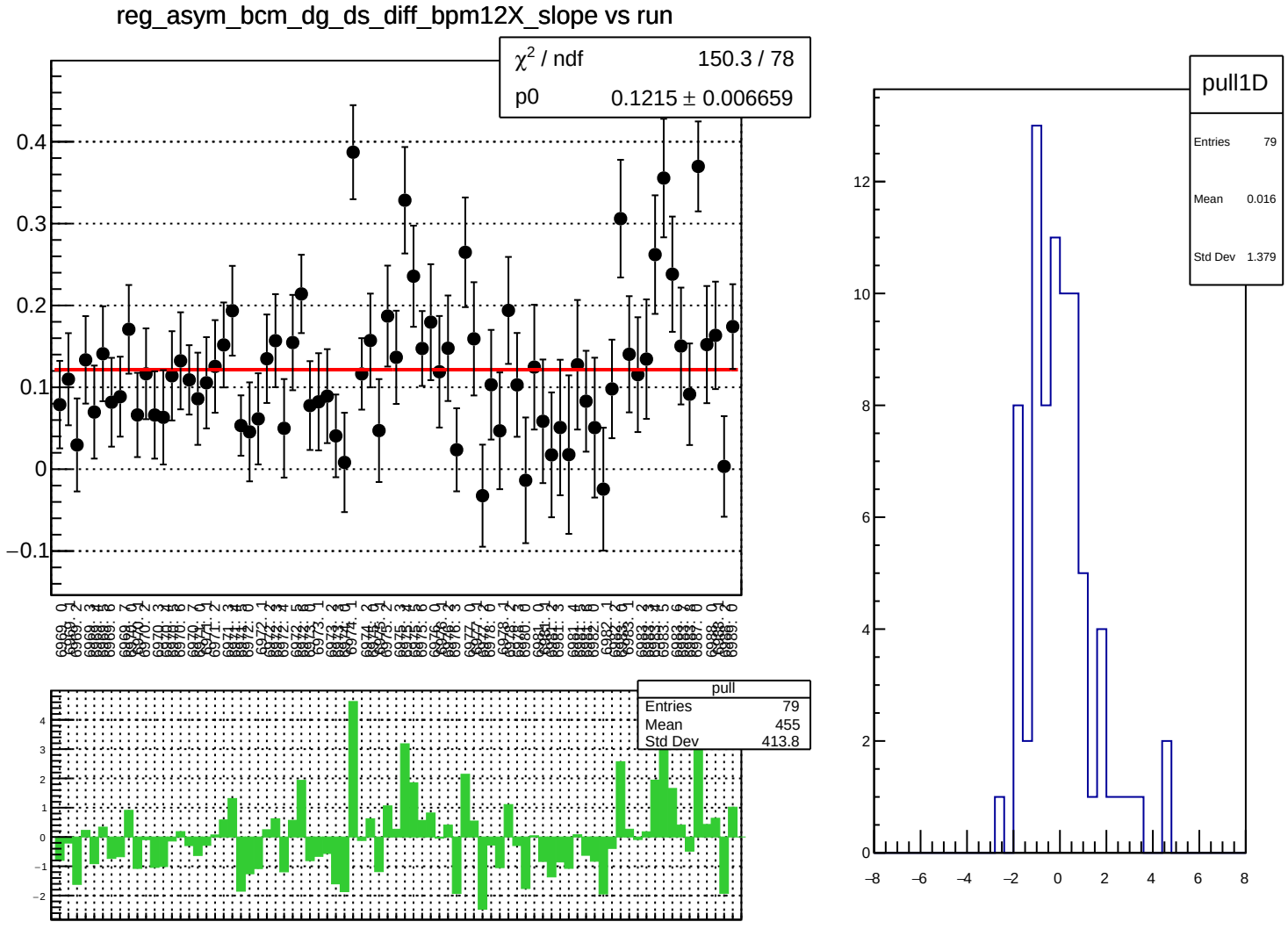

pull1D
Entries 79
Mean 0.06455
Std Dev 1.335

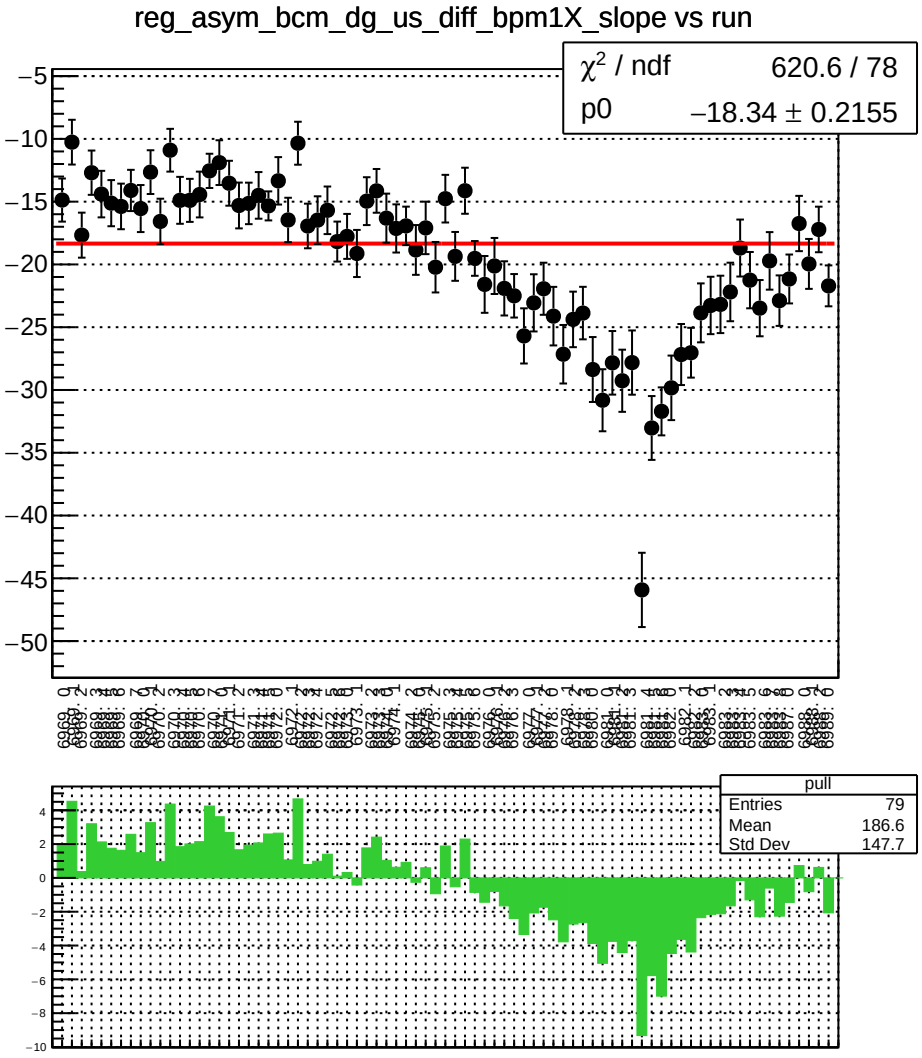

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ^2 / ndf 627.5 / 78
p0 16.33 ± 0.1977
pull
Entries 79
Mean 179.4
Std Dev 140.9

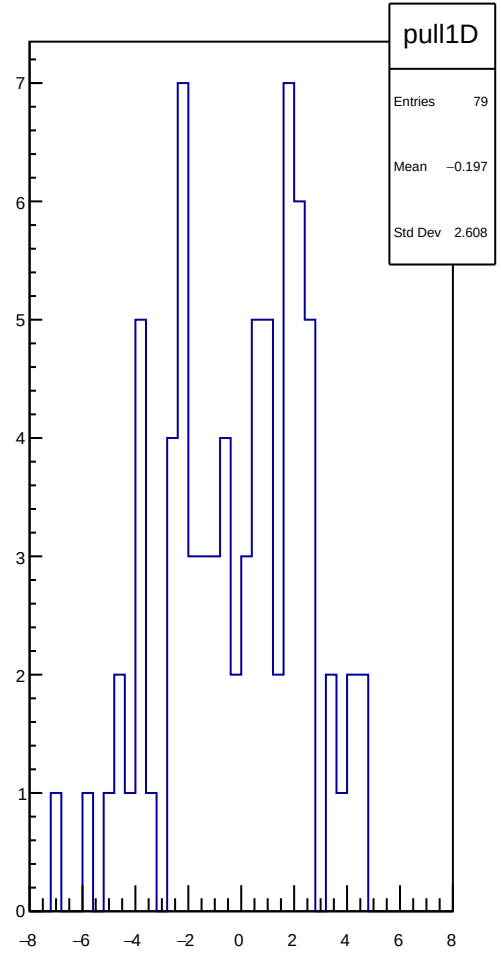

pull1D
Entries 79
Mean 0.2159
Std Dev 2.639

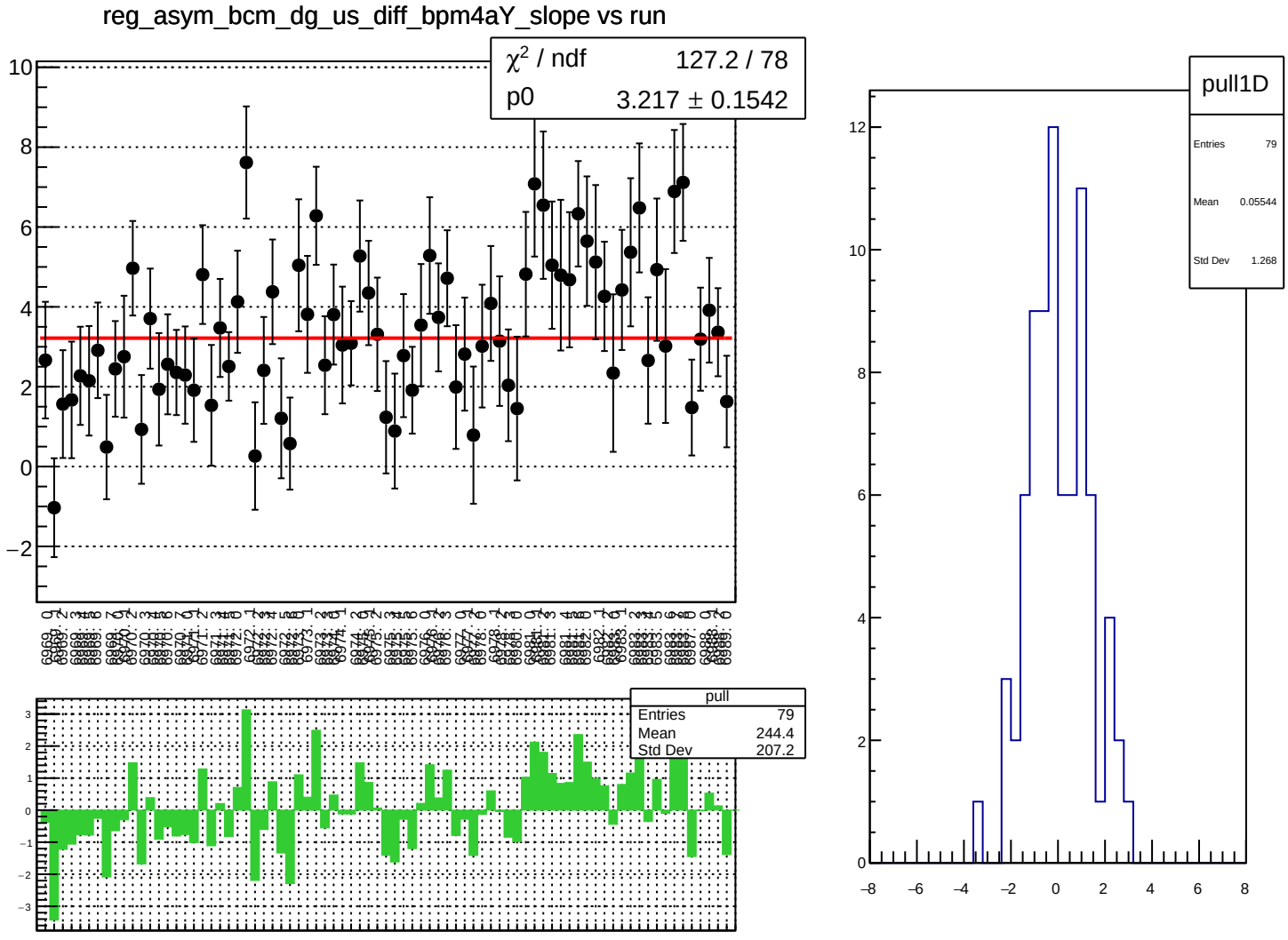

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 155.4 / 78
p0 −3.975 ± 0.1759
pull
Entries 79
Mean 214.2
Std Dev 176.3

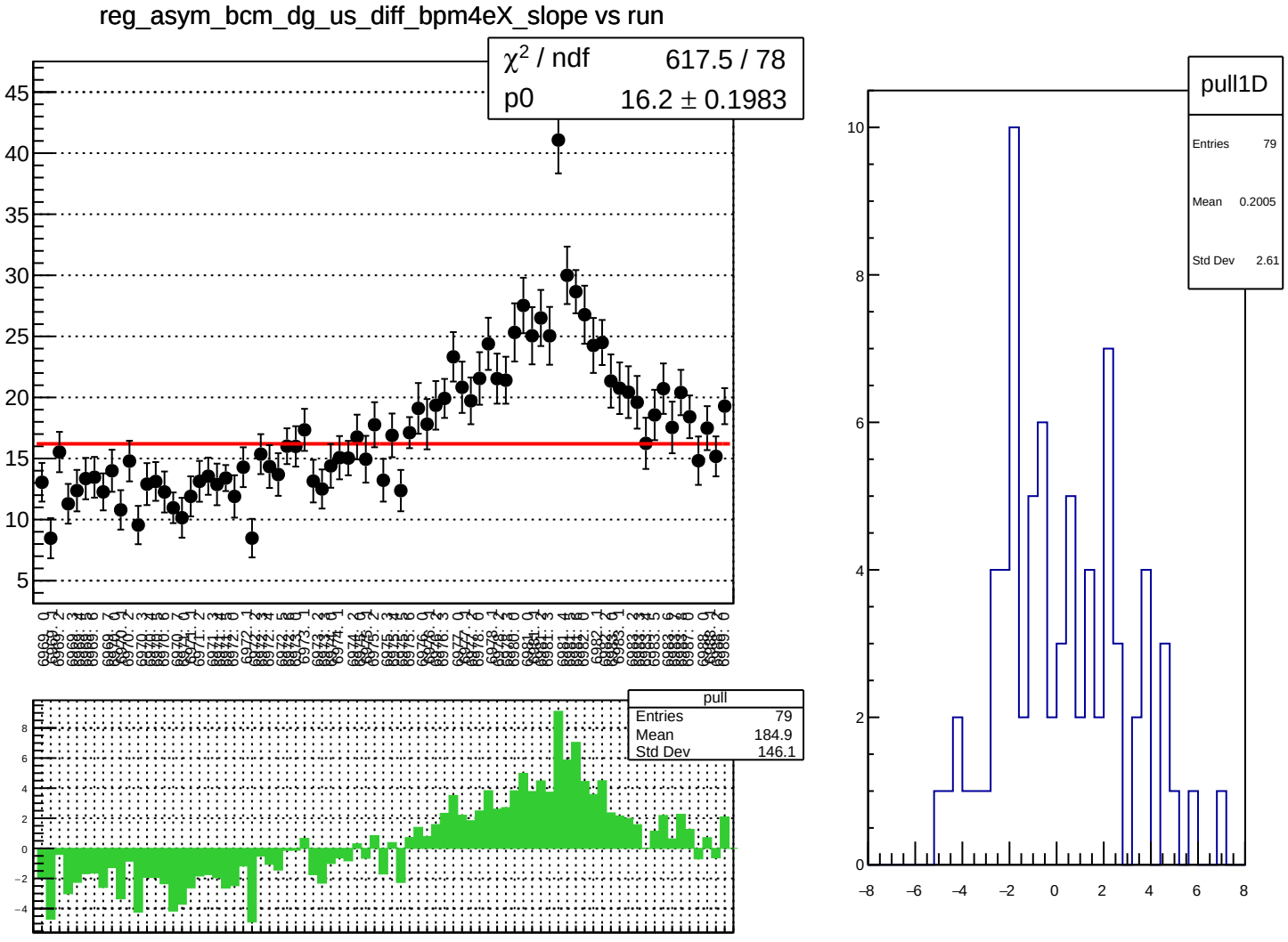

pull1D
Entries 79
Mean −0.08416
Std Dev 1.4

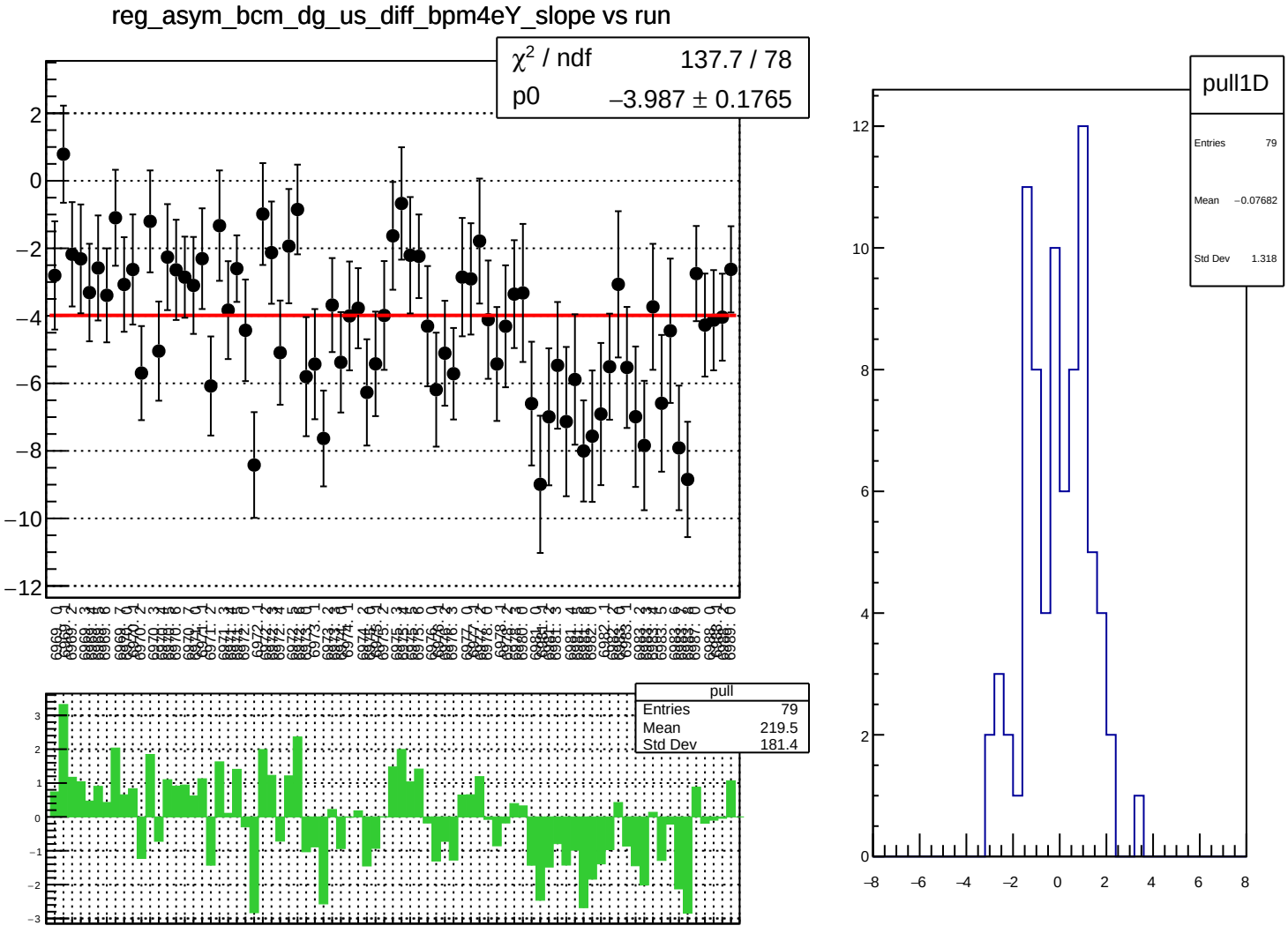

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 150.3 / 78
p0 0.1215 ± 0.006659
pull
Entries 79
Mean 455
Std Dev 413.8
pull1D
Entries 79
Mean 0.016
Std Dev 1.379

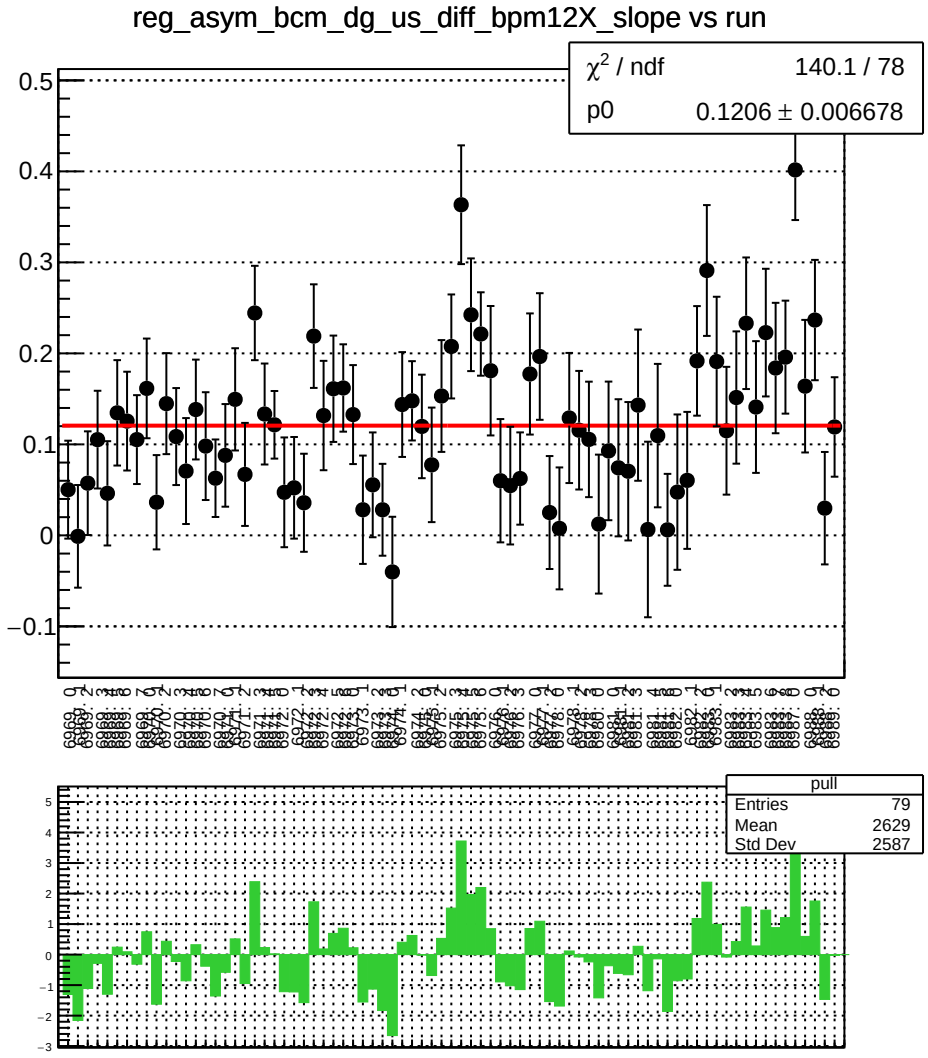

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 620.6 / 78
p0 −18.34 ± 0.2155
pull
Entries 79
Mean 186.6
Std Dev 147.7

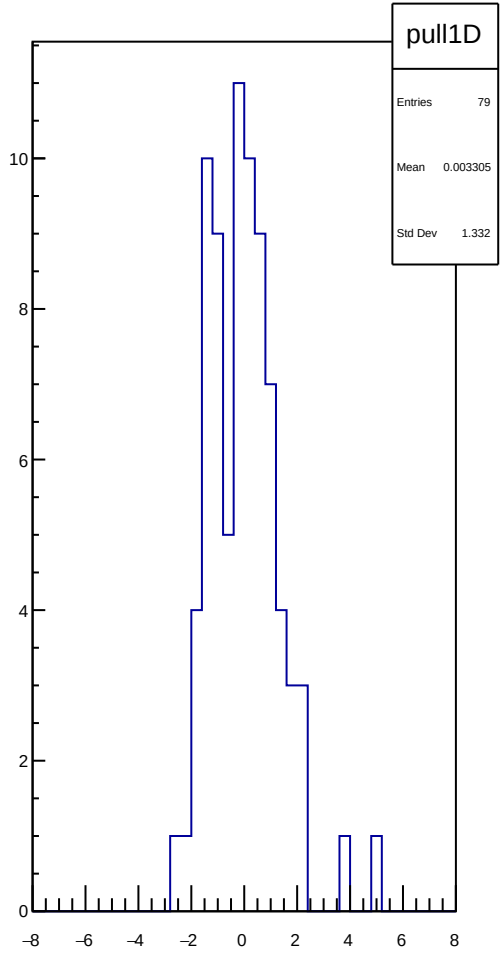

pull1D
Entries 79
Mean −0.197
Std Dev 2.608


reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 127.2 / 78
p0 3.217 ± 0.1542
pull
Entries 79
Mean 244.4
Std Dev 207.2
pull1D
Entries 79
Mean 0.05544
Std Dev 1.268


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 617.5 / 78
p0 16.2 ± 0.1983
pull
Entries 79
Mean 184.9
Std Dev 146.1
pull1D
Entries 79
Mean 0.2005
Std Dev 2.61


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 137.7 / 78
p0 −3.987 ± 0.1765
pull
Entries 79
Mean 219.5
Std Dev 181.4
pull1D
Entries 79
Mean −0.07682
Std Dev 1.318


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 140.1 / 78
p0 0.1206 ± 0.006678
pull
Entries 79
Mean 2629
Std Dev 2587


pull1D
Entries 79
Mean 0.003305
Std Dev 1.332