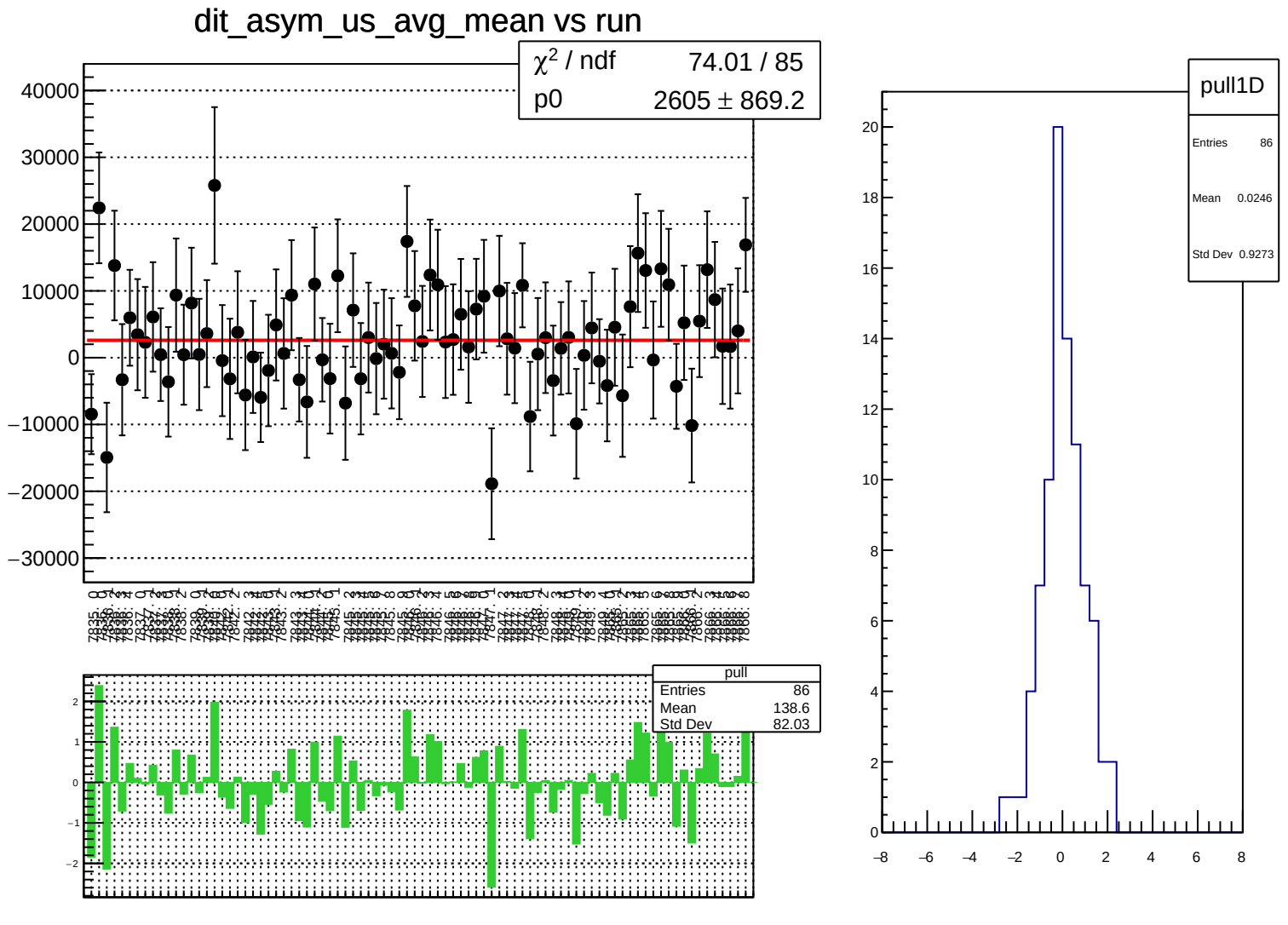
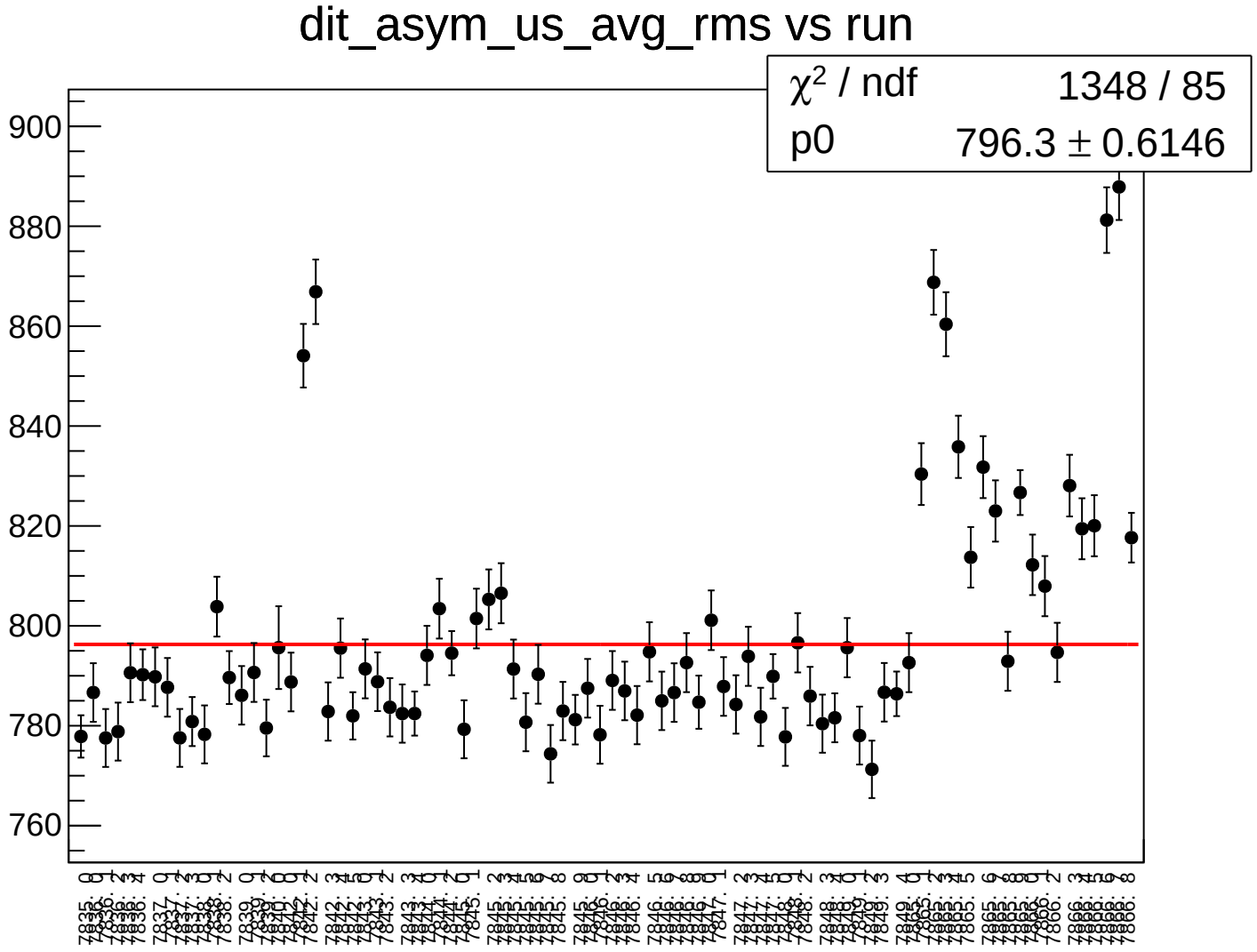
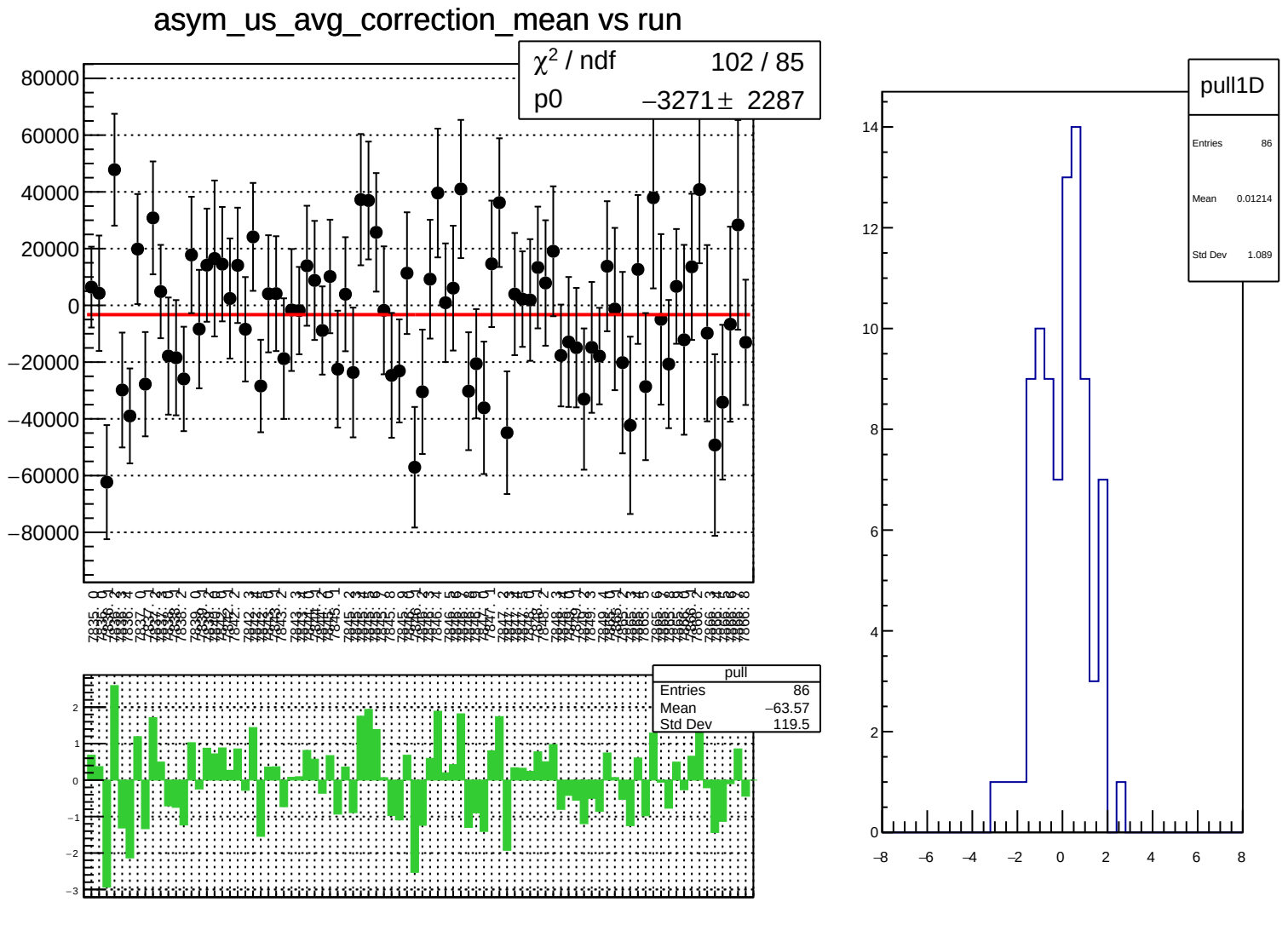
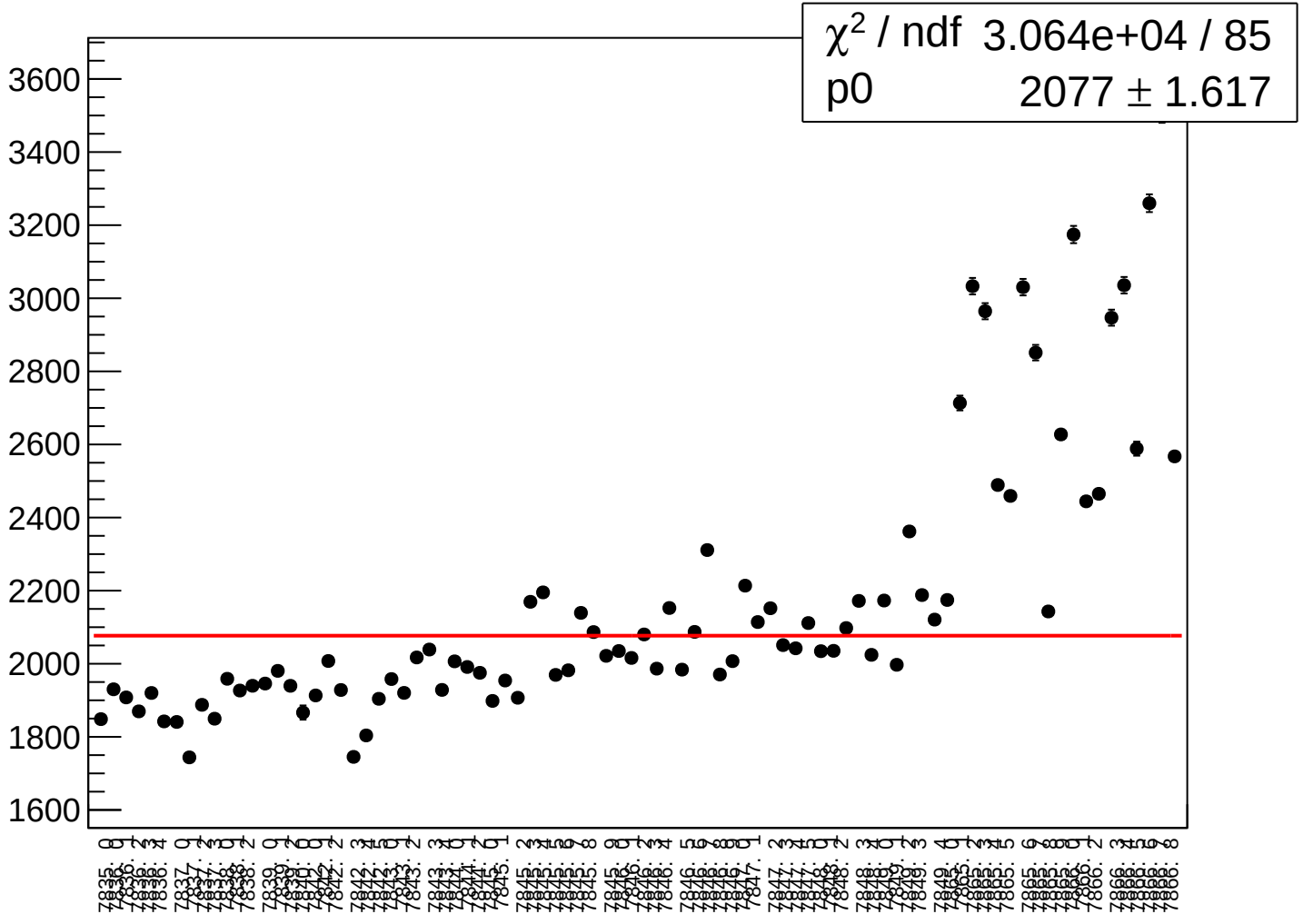
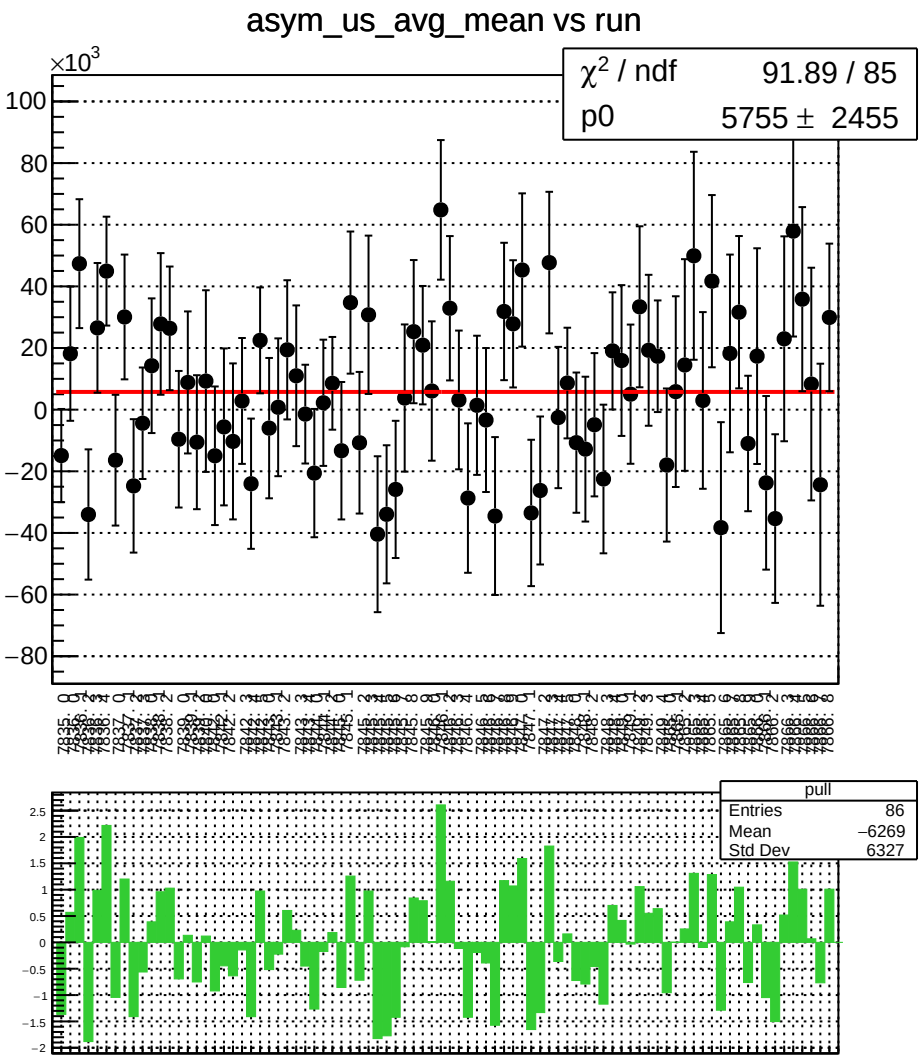

dit_asym_us_avg_mean vs run
χ² / ndf 74.01 / 85
p0 2605 ± 869.2
pull
Entries 86
Mean 138.6
Std Dev 82.03
pull1D
Entries 86
Mean 0.0246
Std Dev 0.9273

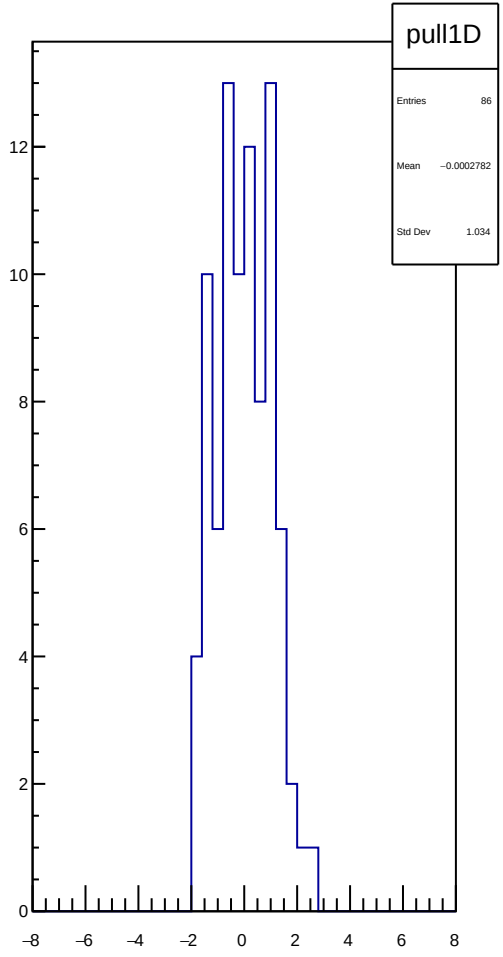

dit_asym_us_avg_rms vs run
χ² / ndf 1348 / 85
p0 796.3 ± 0.6146
900
880
860
840
820
800
780
760


asym_us_avg_correction_mean vs run
χ² / ndf 102 / 85
p0 −3271 ± 2287
pull
Entries 86
Mean −63.57
Std Dev 119.5
pull1D
Entries 86
Mean 0.01214
Std Dev 1.089

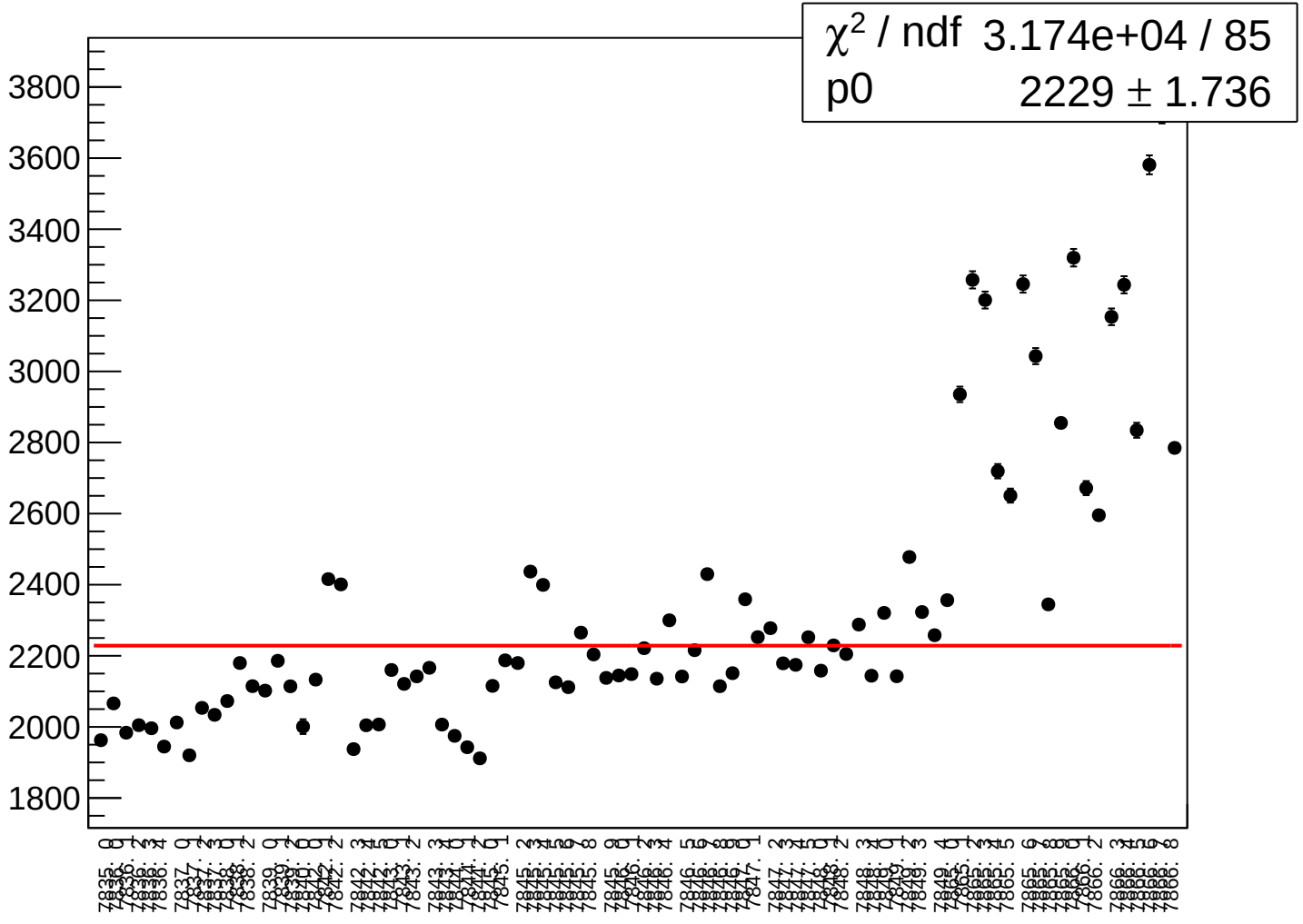
asym_us_avg_correction_rms vs run

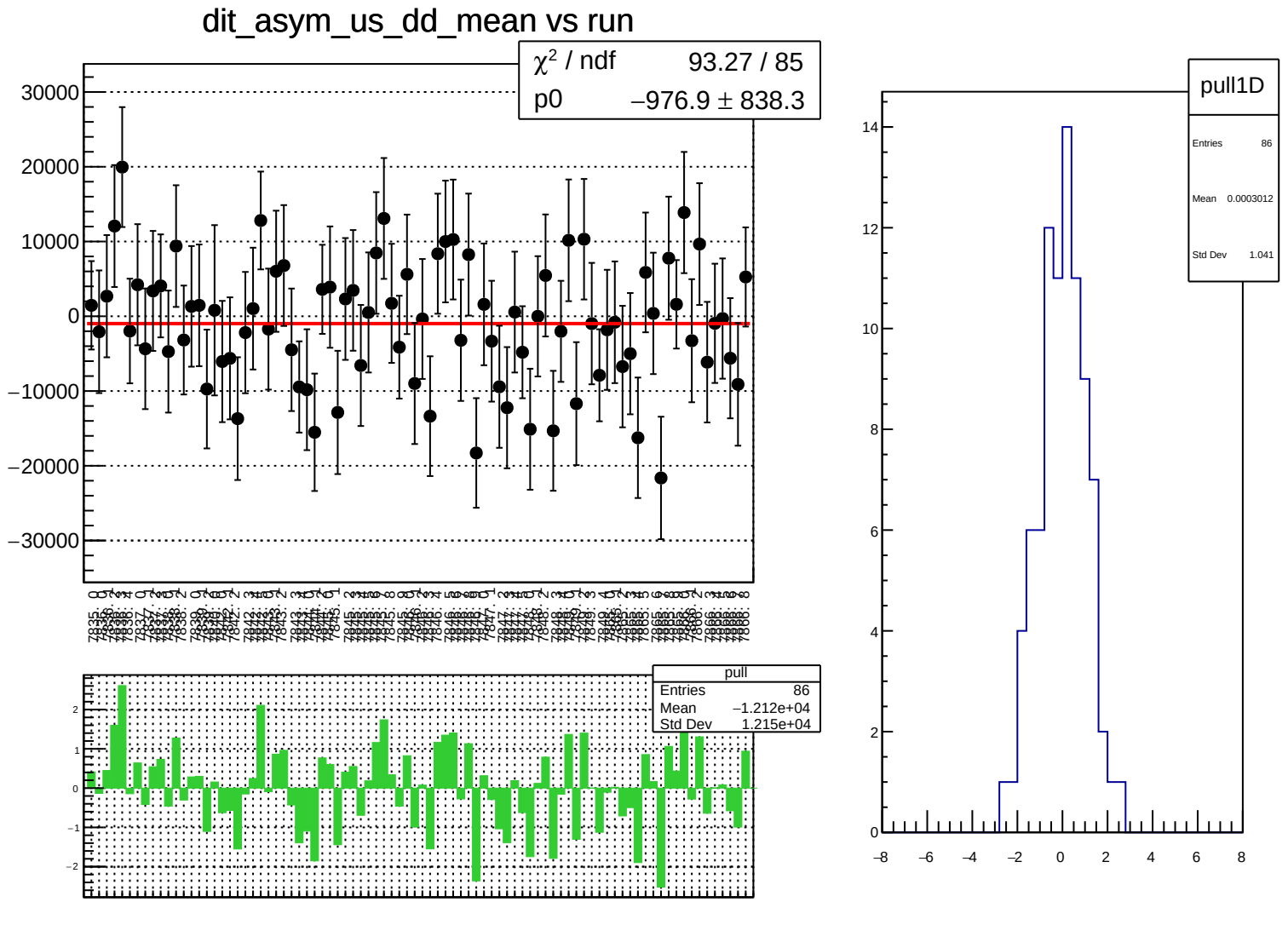


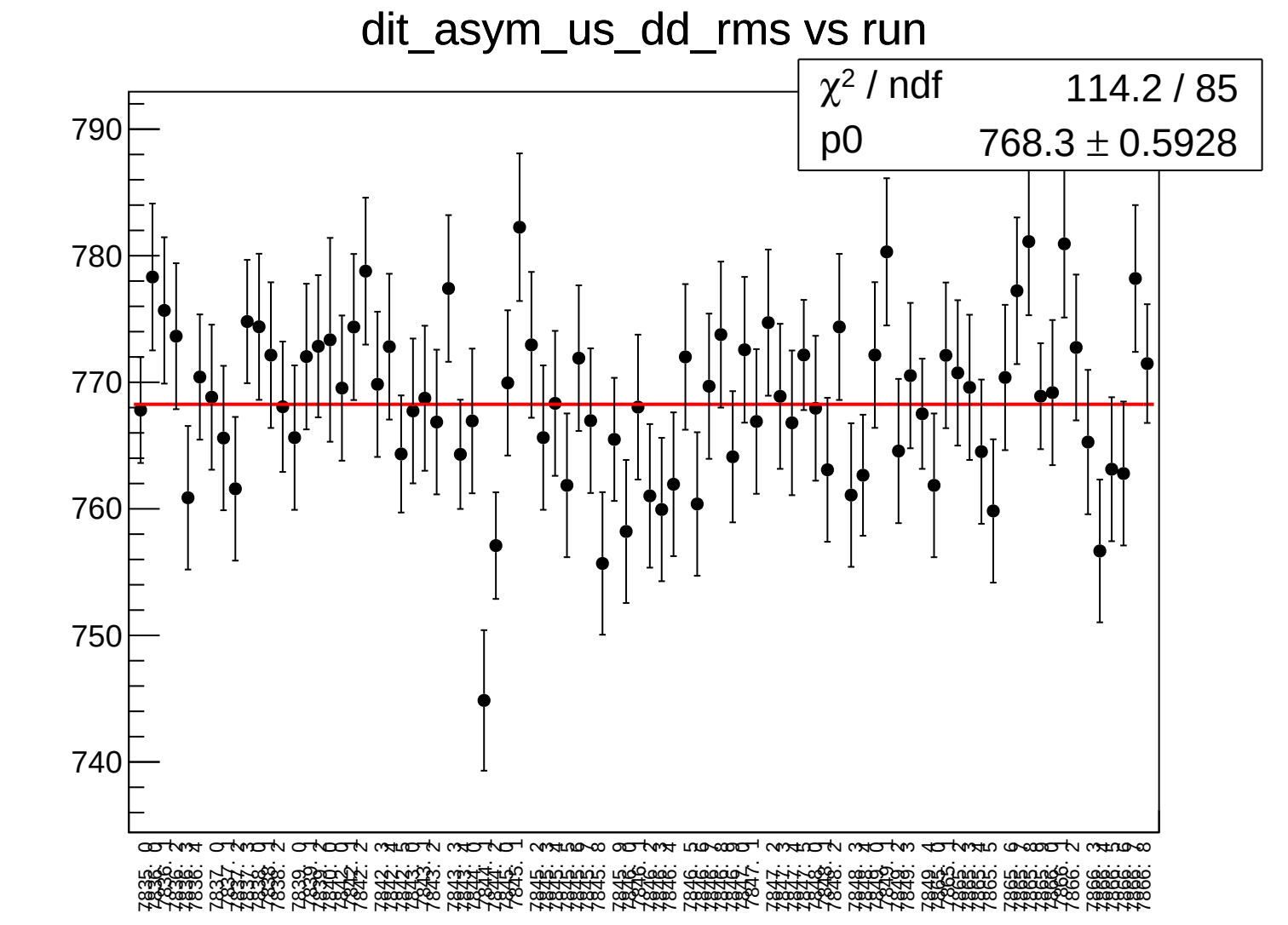

asym_us_avg_mean vs run
χ^2 / ndf 91.89 / 85
p0 5755 ± 2455
×10^3
pull
Entries 86
Mean −6269
Std Dev 6327

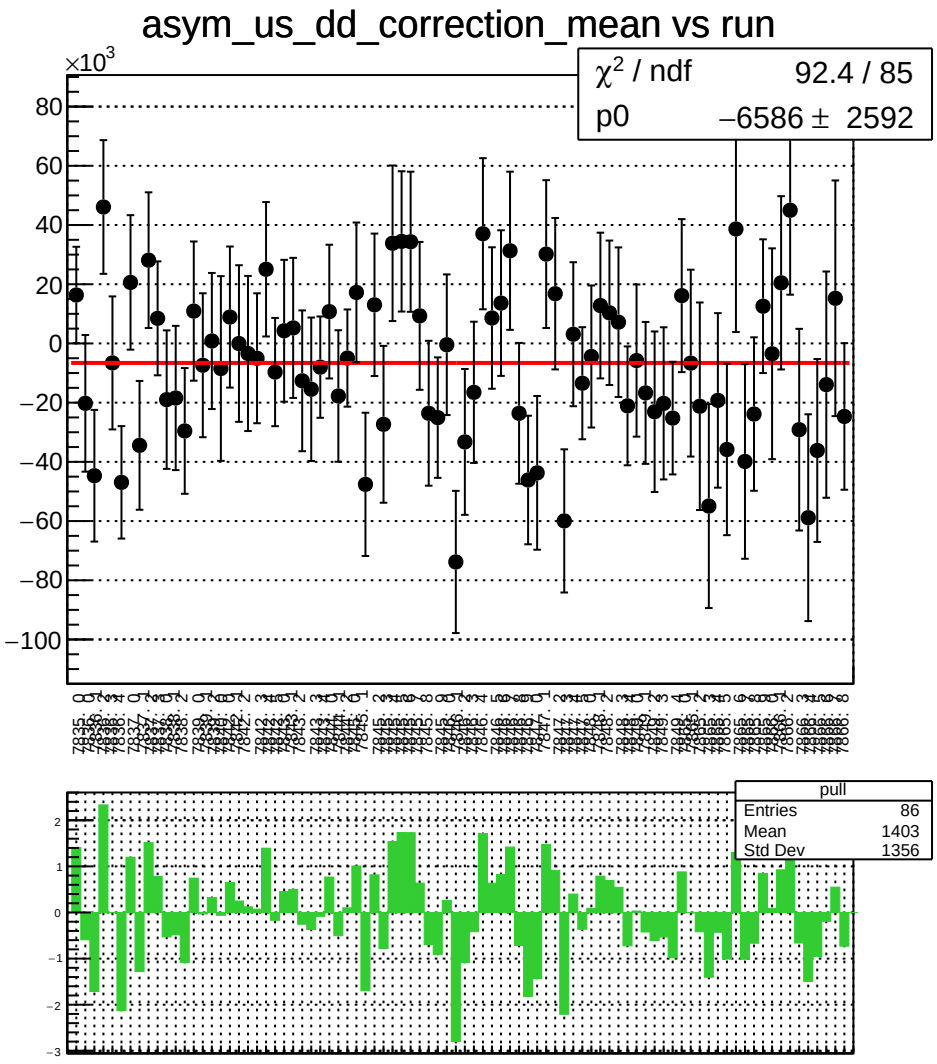

pull1D
Entries 86
Mean −0.0002782
Std Dev 1.034

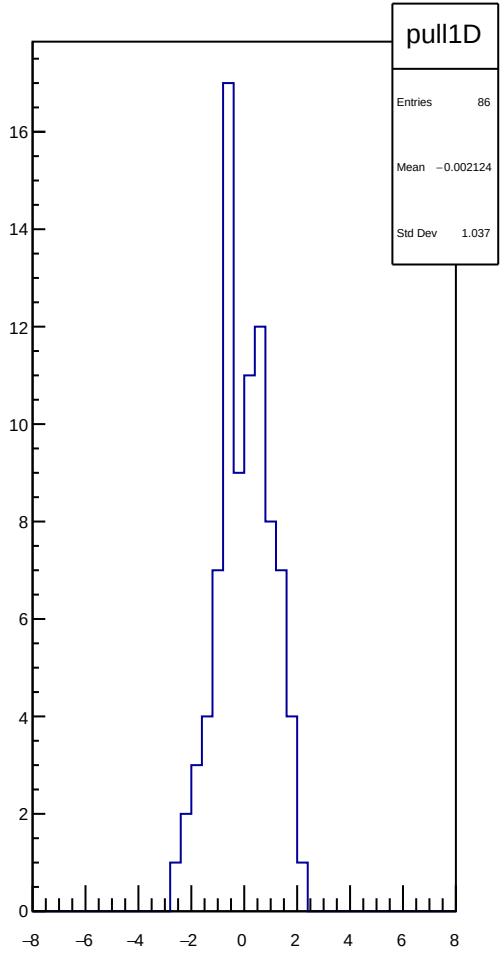
asym_us_avg_rms vs run



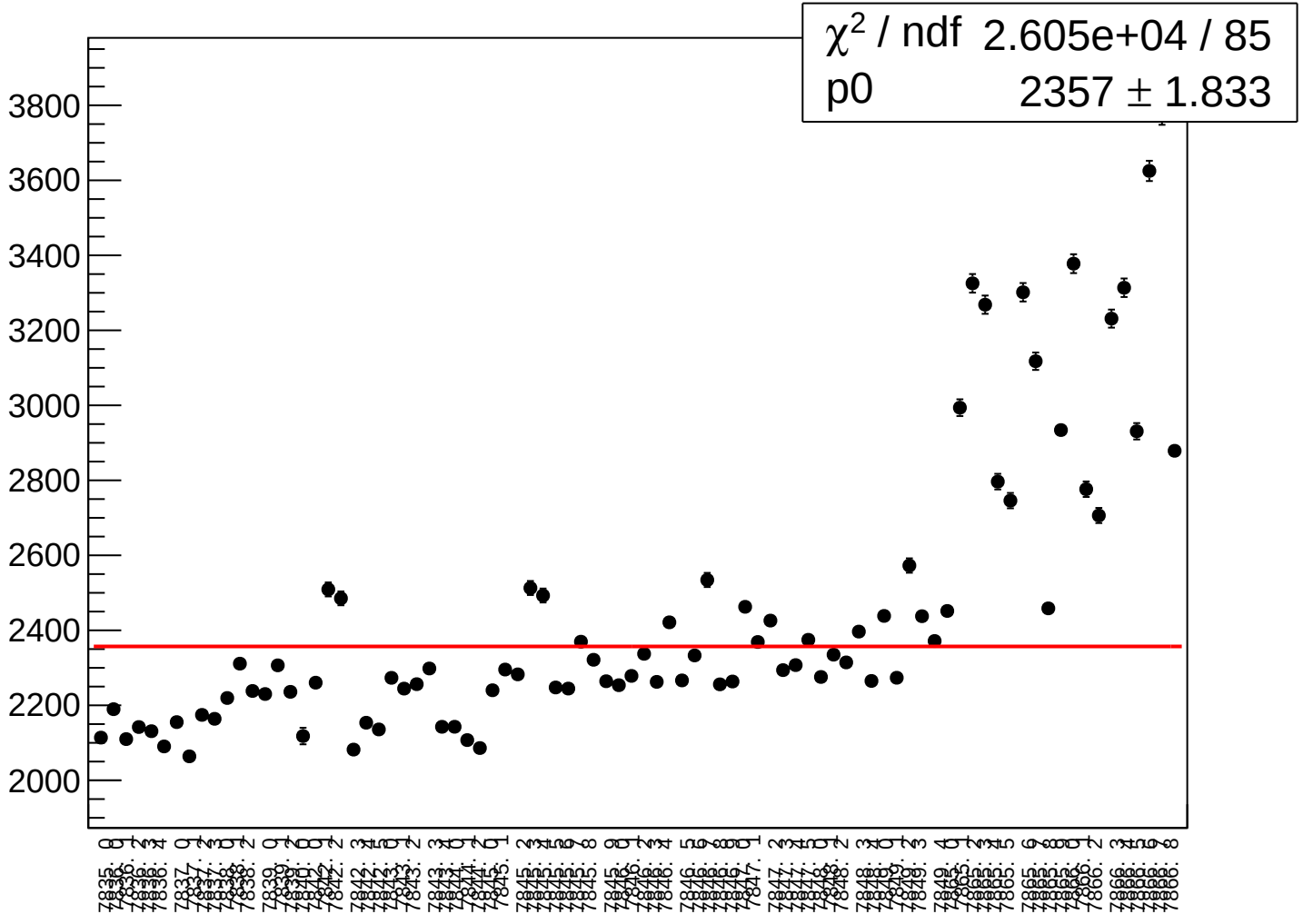

dit_asym_us_dd_mean vs run
χ² / ndf 93.27 / 85
p0 −976.9 ± 838.3
pull
Entries 86
Mean −1.212e+04
Std Dev 1.215e+04
pull1D
Entries 86
Mean 0.0003012
Std Dev 1.041

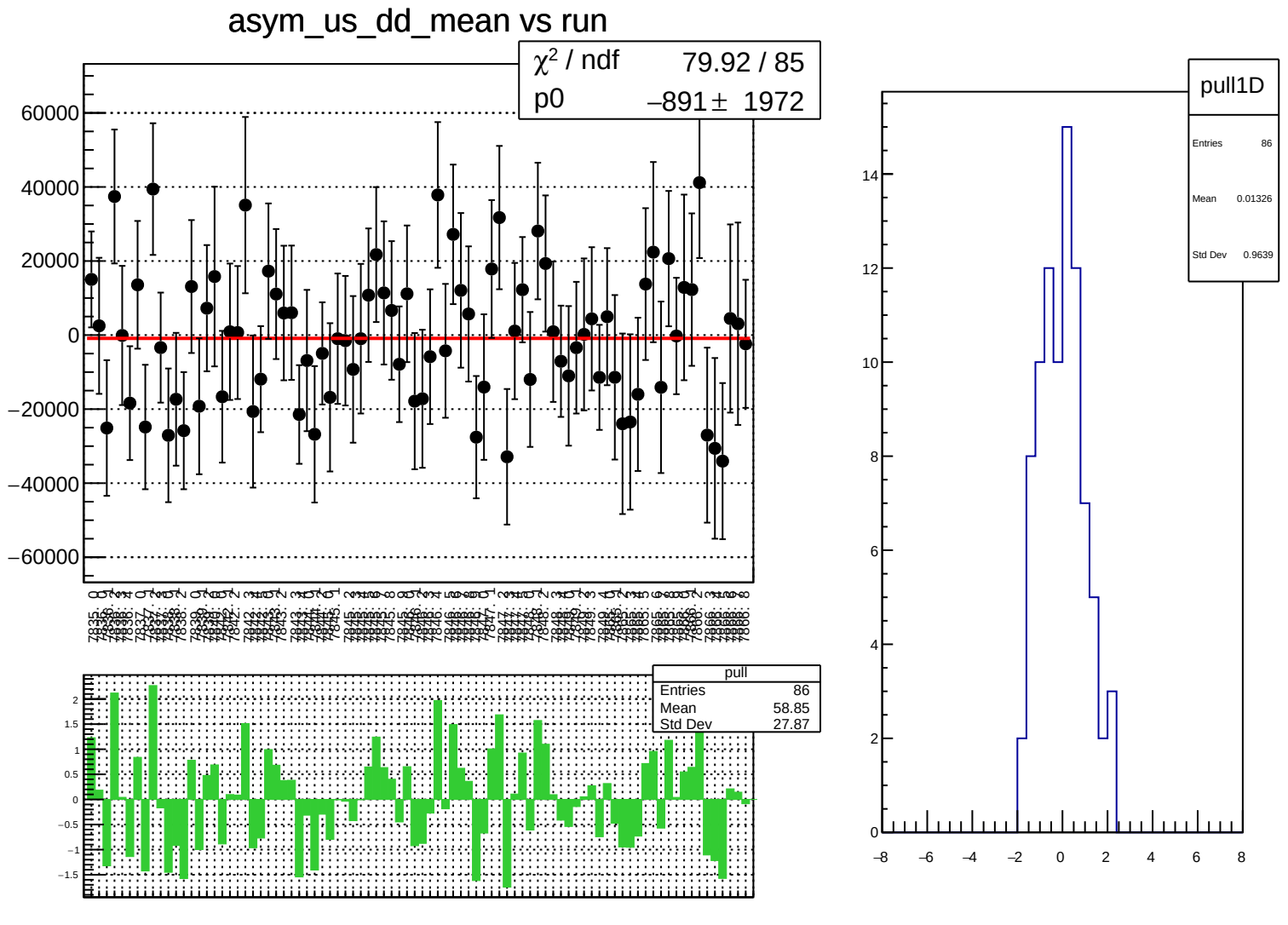

dit_asym_us_dd_rms vs run
χ² / ndf 114.2 / 85
p0 768.3 ± 0.5928
790
780
770
760
750
740


asym_us_dd_correction_mean vs run
χ^2 / ndf 92.4 / 85
p0 −6586 ± 2592
×10^3
pull
Entries 86
Mean 1403
Std Dev 1356

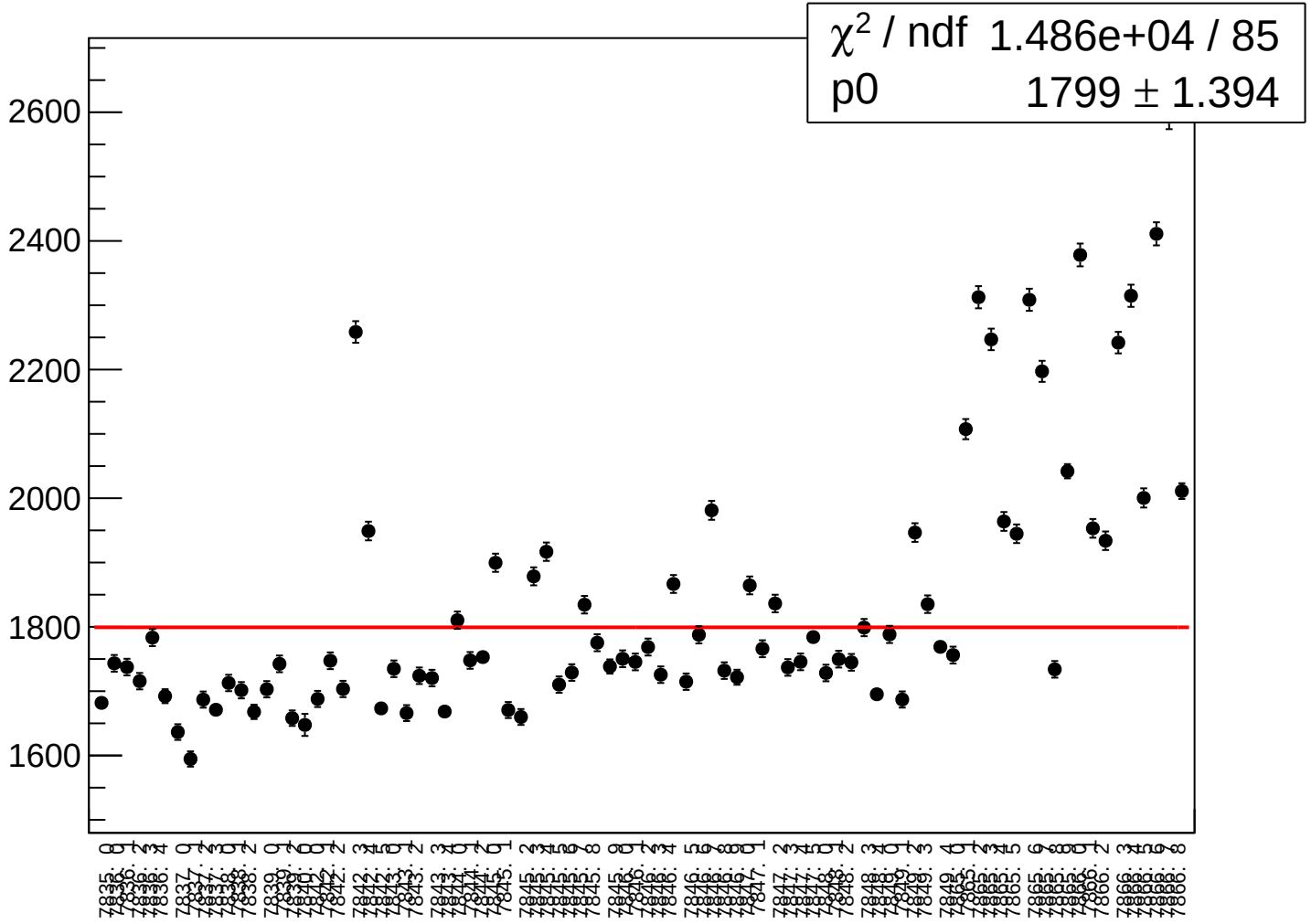

pull1D
Entries 86
Mean −0.002124
Std Dev 1.037

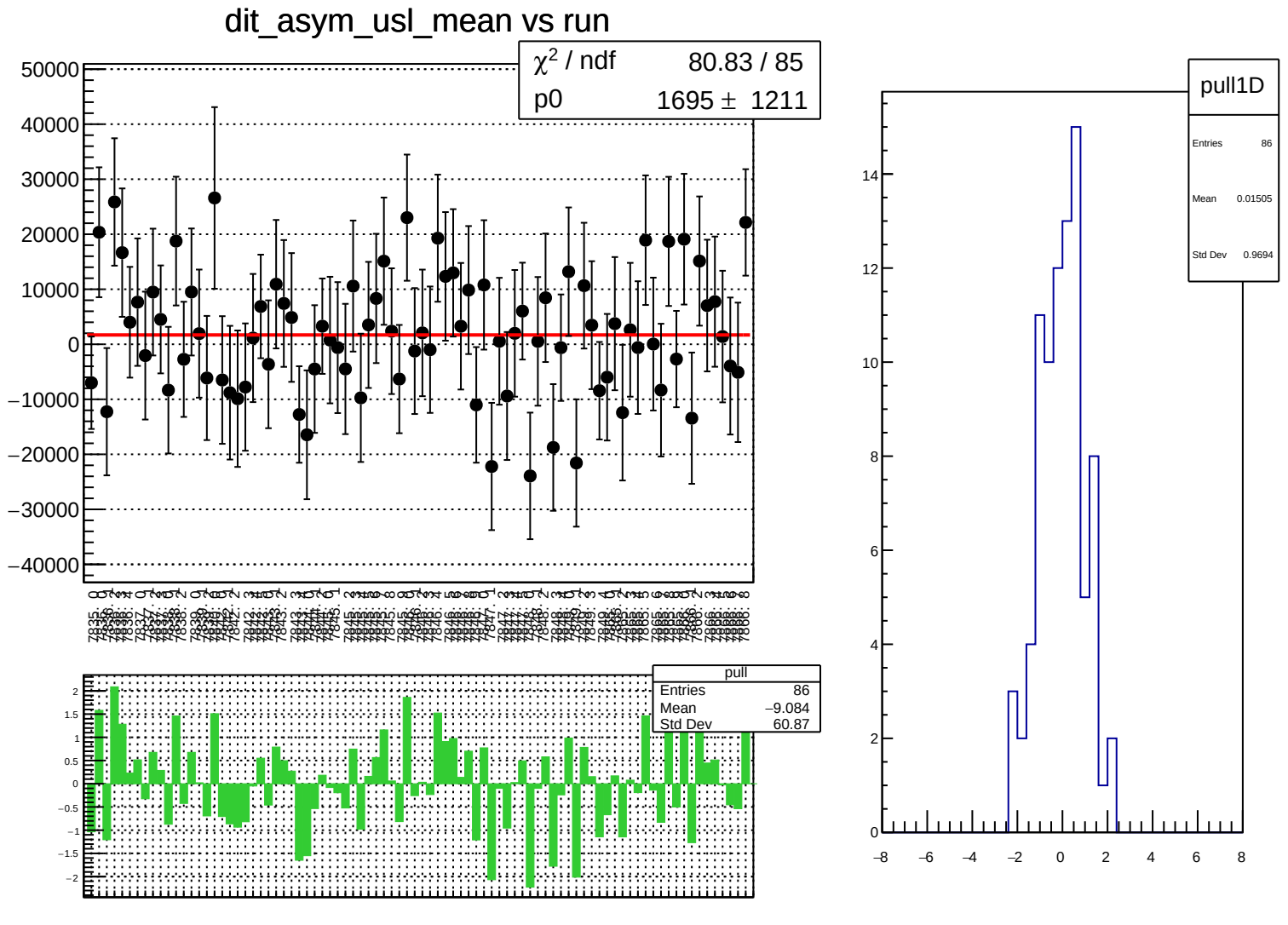
asym_us_dd_correction_rms vs run



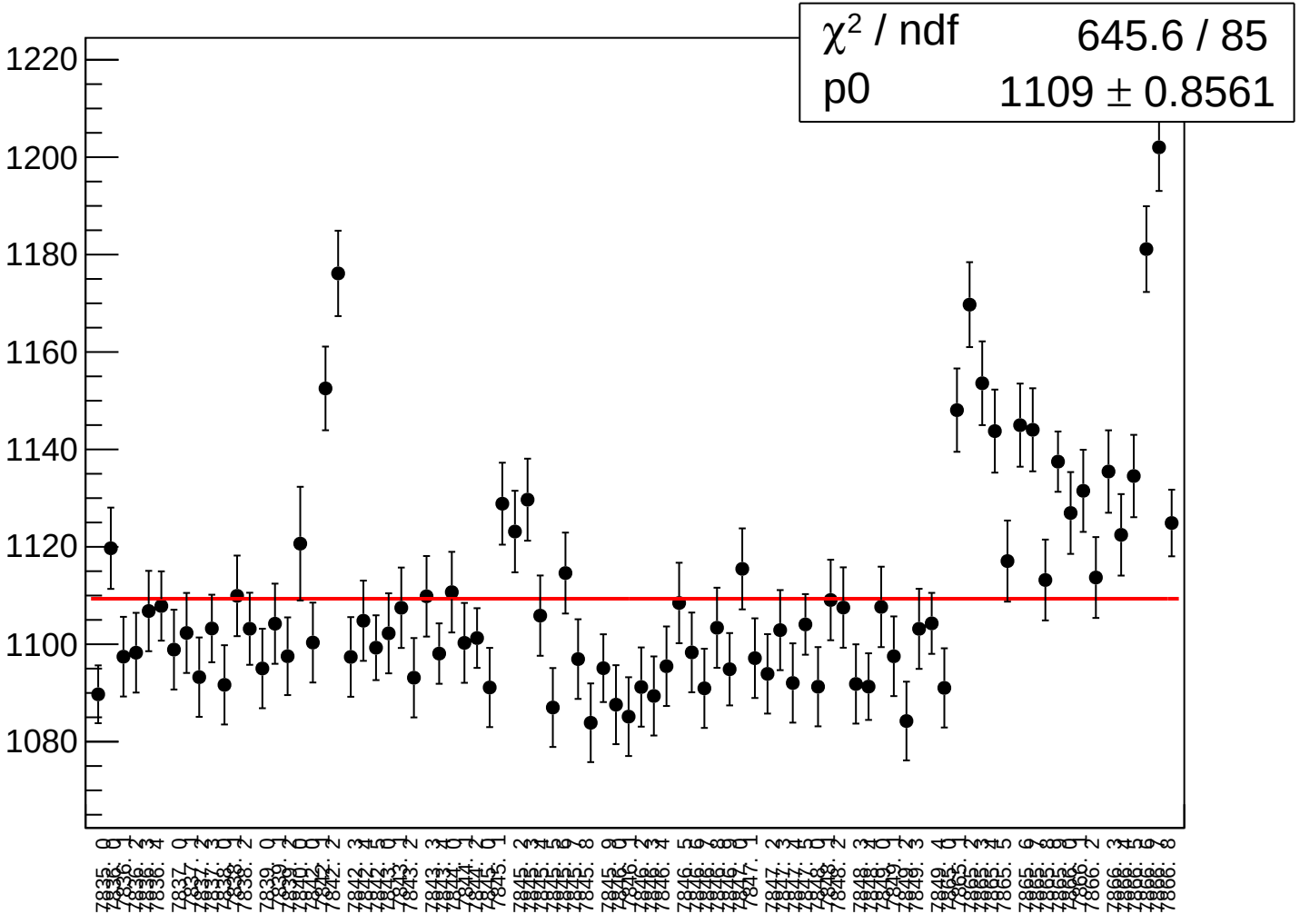

asym_us_dd_mean vs run
χ² / ndf 79.92 / 85
p0 −891 ± 1972
pull
Entries 86
Mean 58.85
Std Dev 27.87
pull1D
Entries 86
Mean 0.01326
Std Dev 0.9639

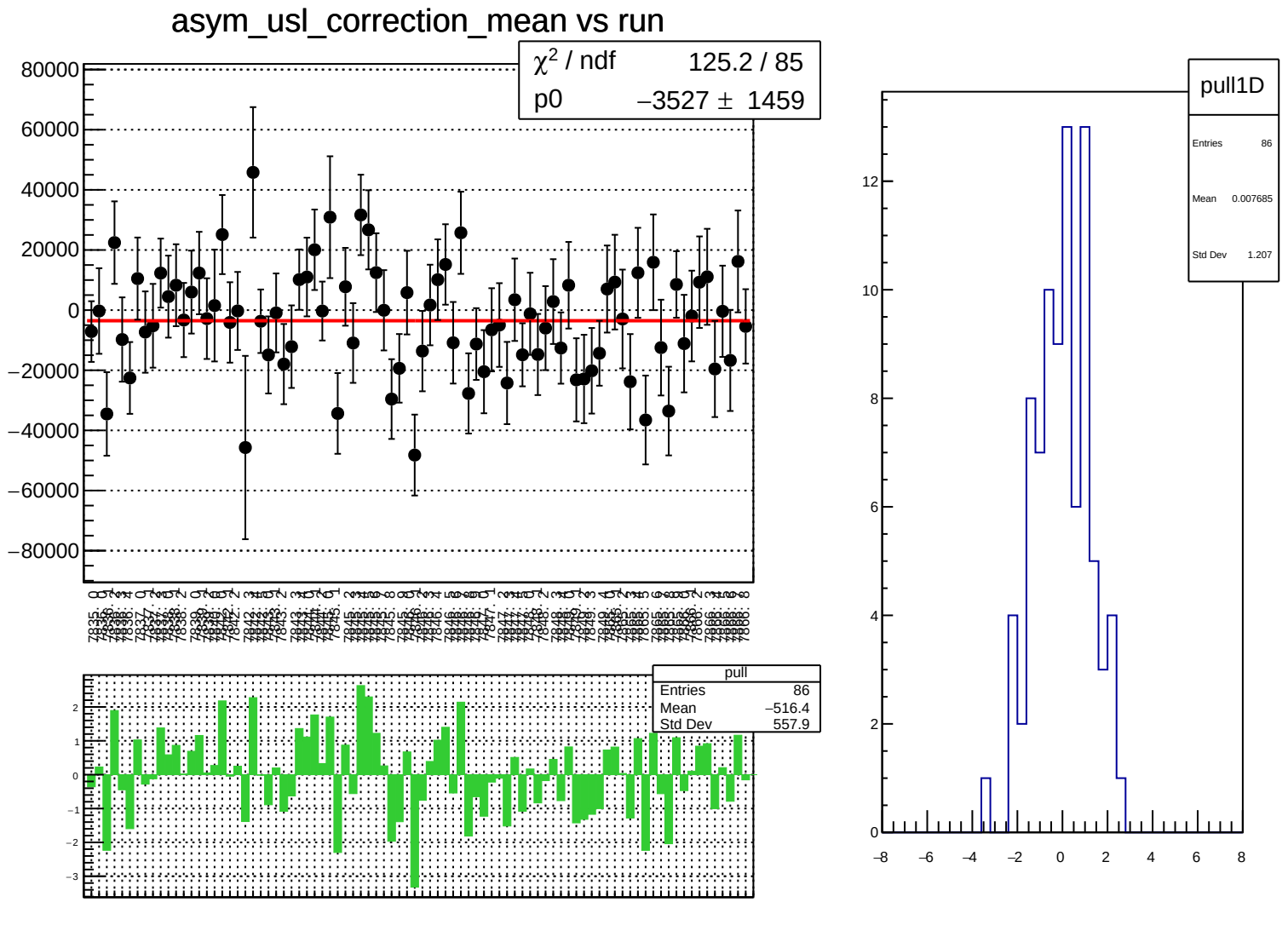
asym_us_dd_rms vs run



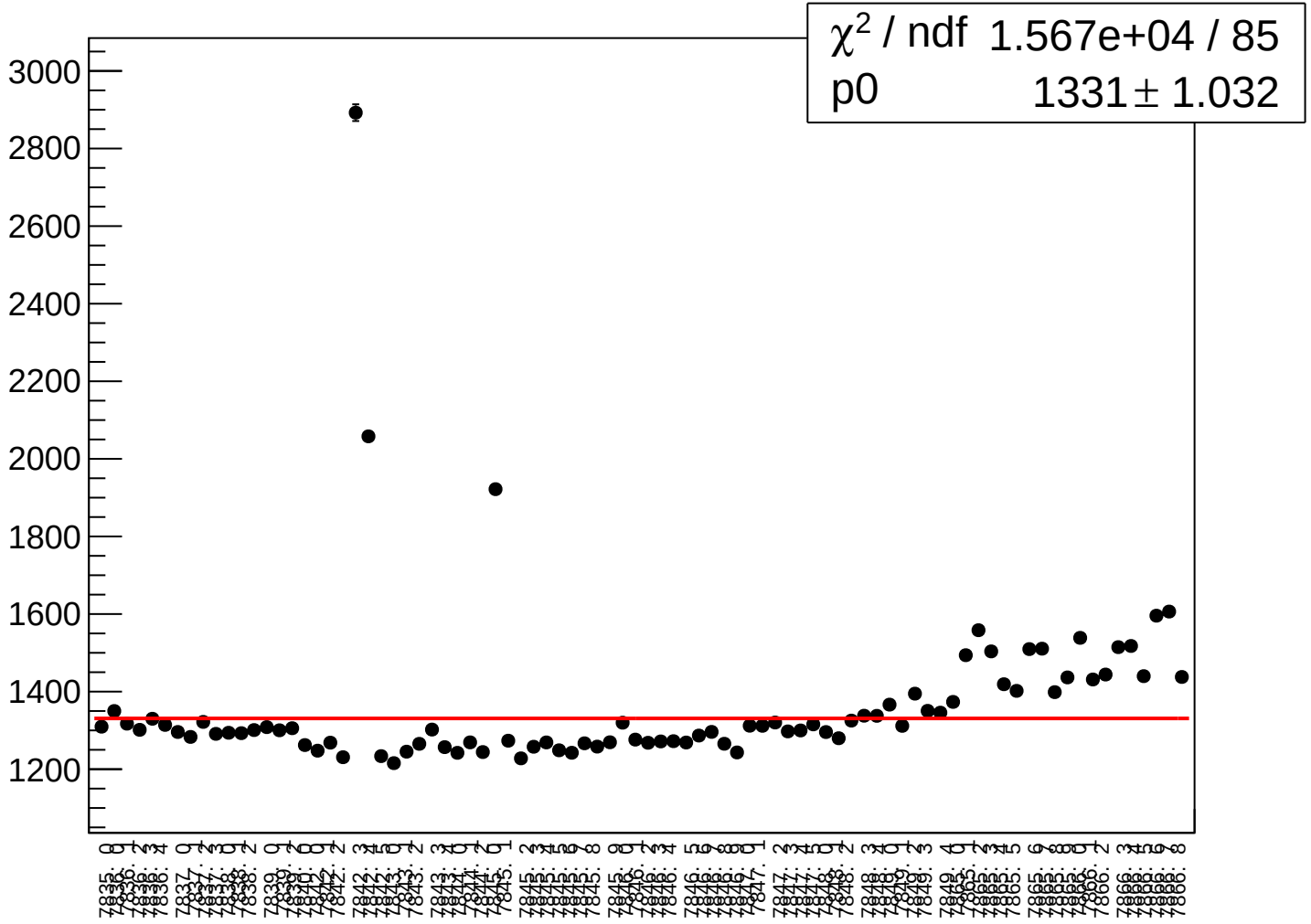

dit_asym_usl_mean vs run
χ² / ndf 80.83 / 85
p0 1695 ± 1211
pull
Entries 86
Mean −9.084
Std Dev 60.87
pull1D
Entries 86
Mean 0.01505
Std Dev 0.9694

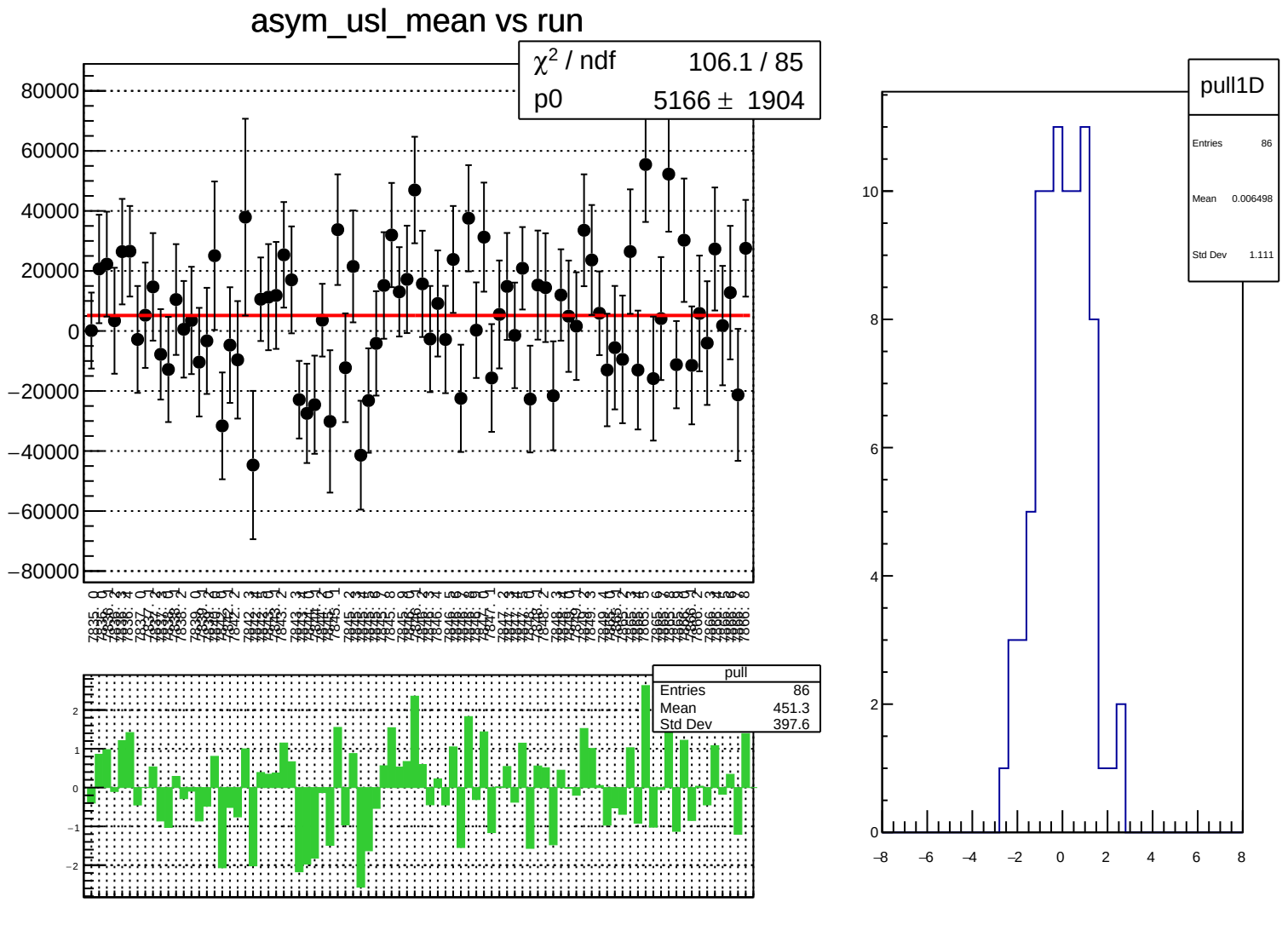
dit_asym_usl_rms vs run

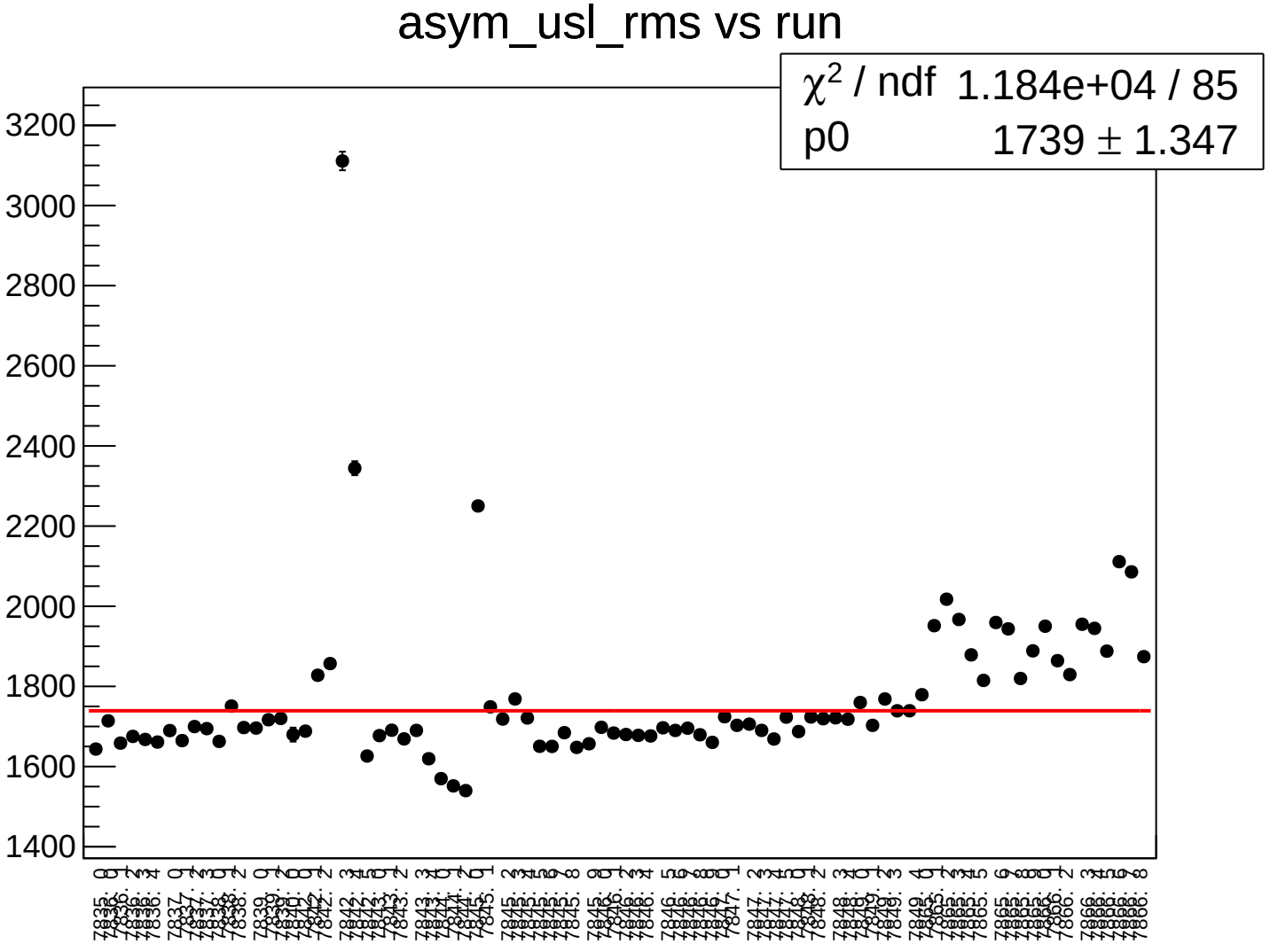


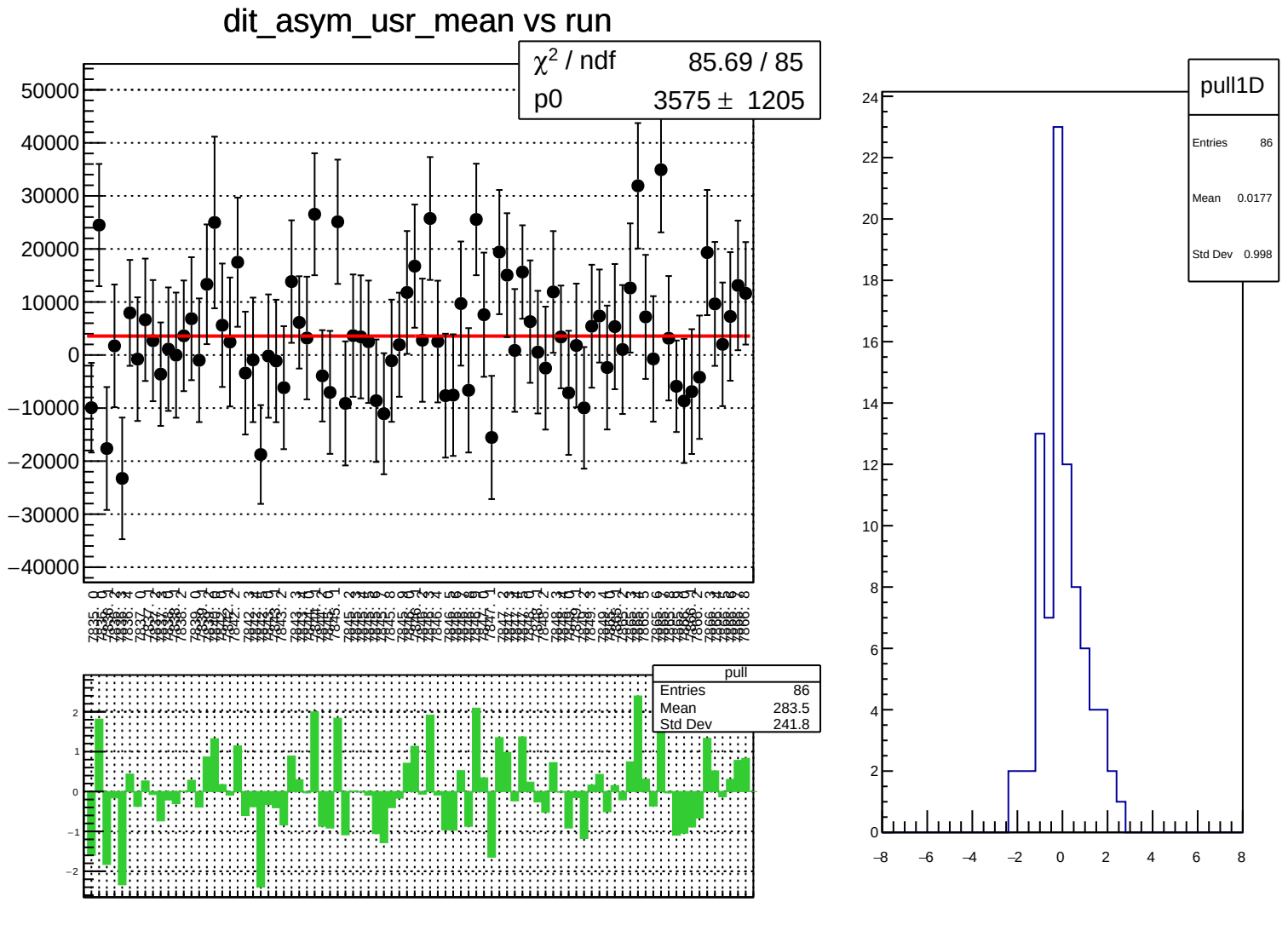

asym_usl_correction_mean vs run
χ² / ndf 125.2 / 85
p0 −3527 ± 1459
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 86
Mean −516.4
Std Dev 557.9
2
1
0
−1
−2
−3
pull1D
Entries 86
Mean 0.007685
Std Dev 1.207
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_usl_correction_rms vs run

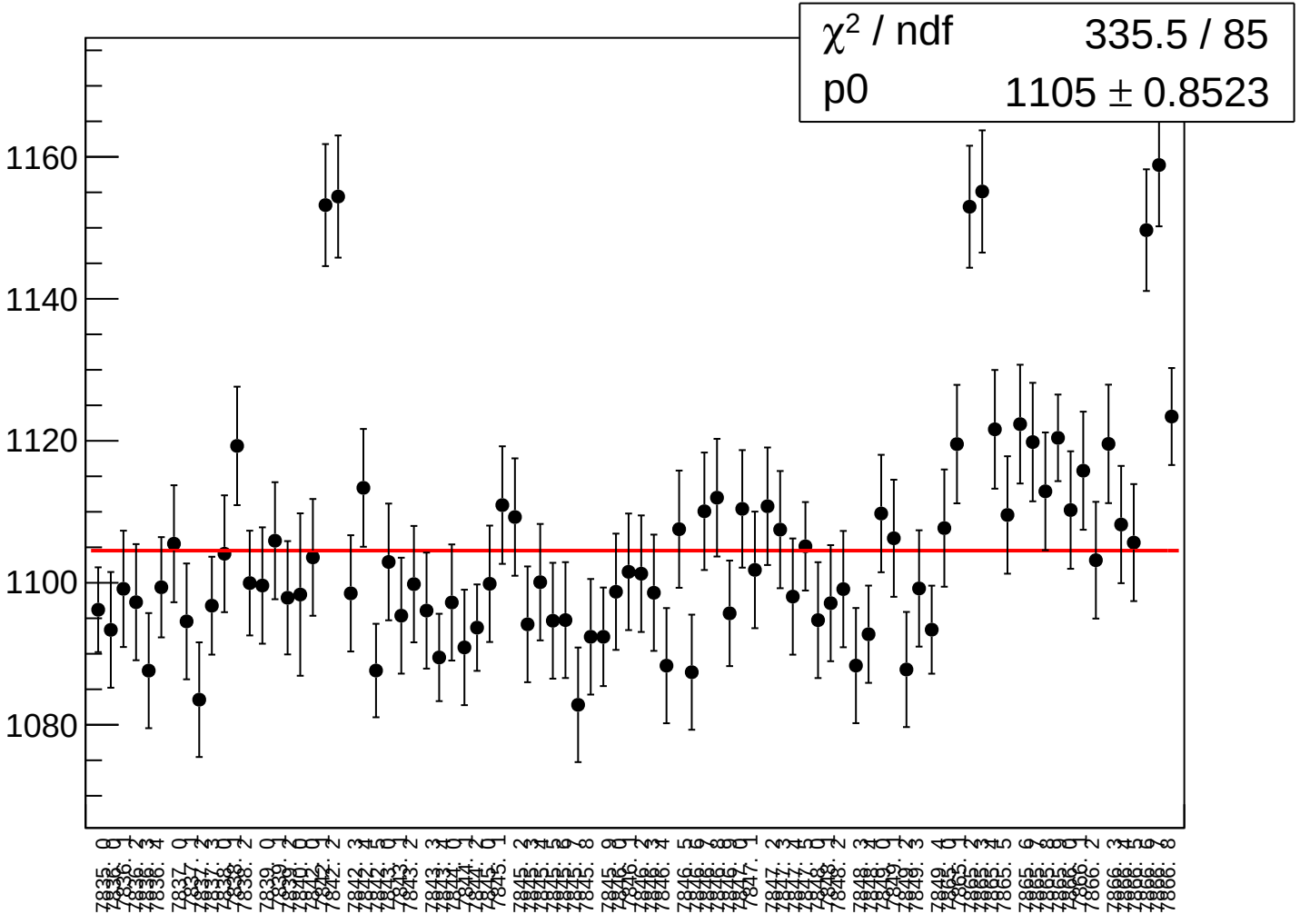


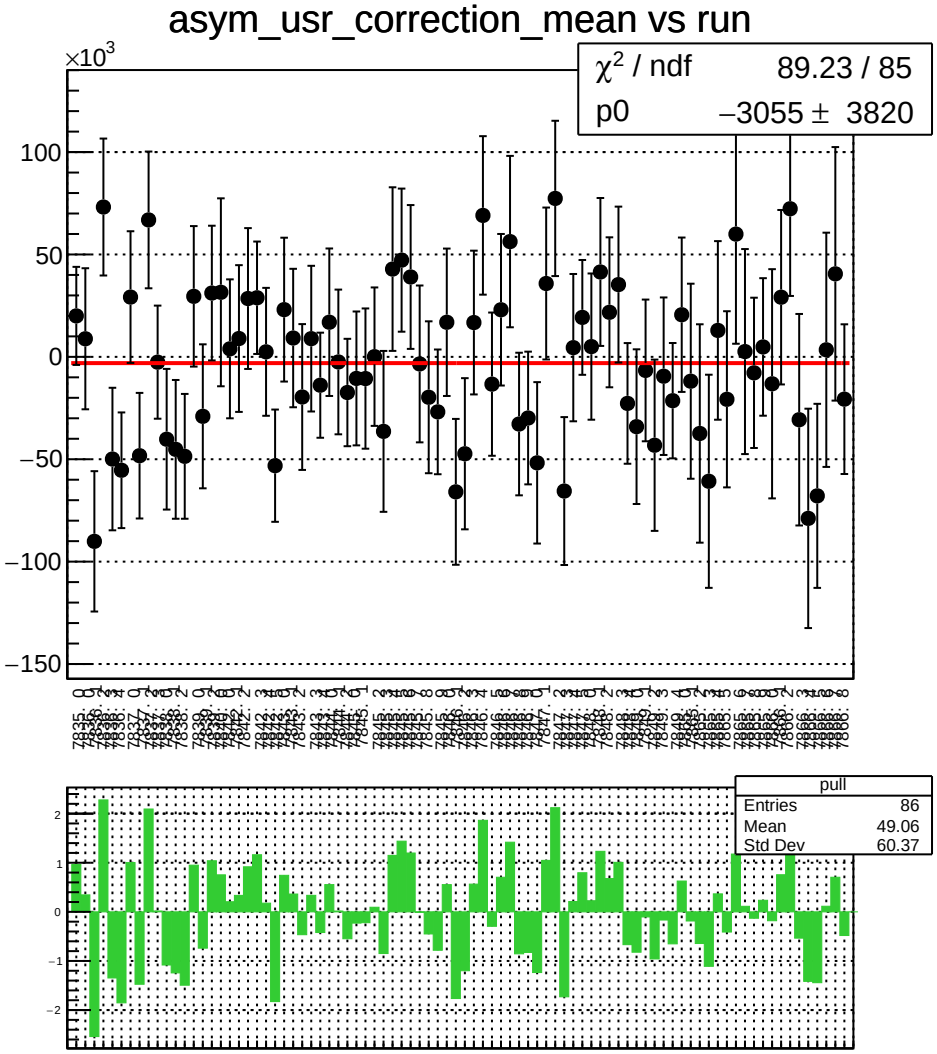

asym_usl_mean vs run
χ² / ndf 106.1 / 85
p0 5166 ± 1904
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 86
Mean 451.3
Std Dev 397.6
2
1
0
−1
−2
pull1D
Entries 86
Mean 0.006498
Std Dev 1.111
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

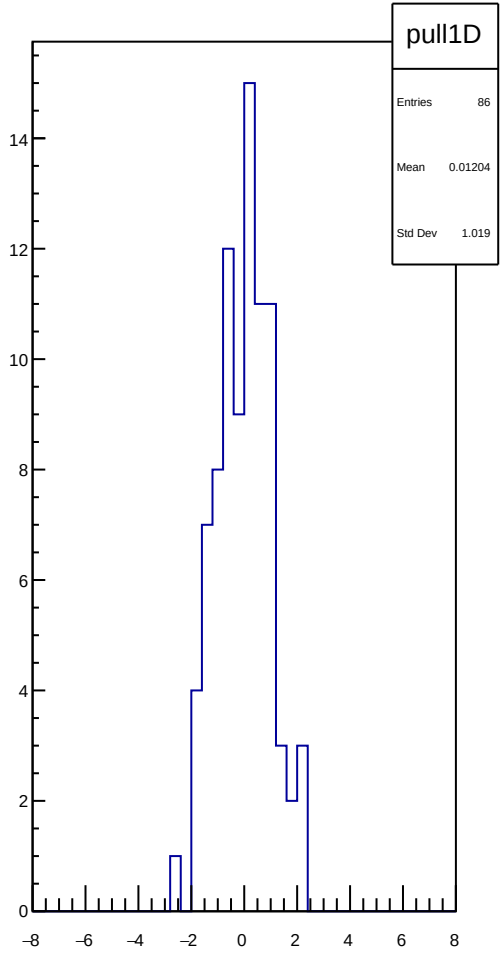

asym_usl_rms vs run
χ2 / ndf 1.184e+04 / 85
p0 1739 ± 1.347
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400

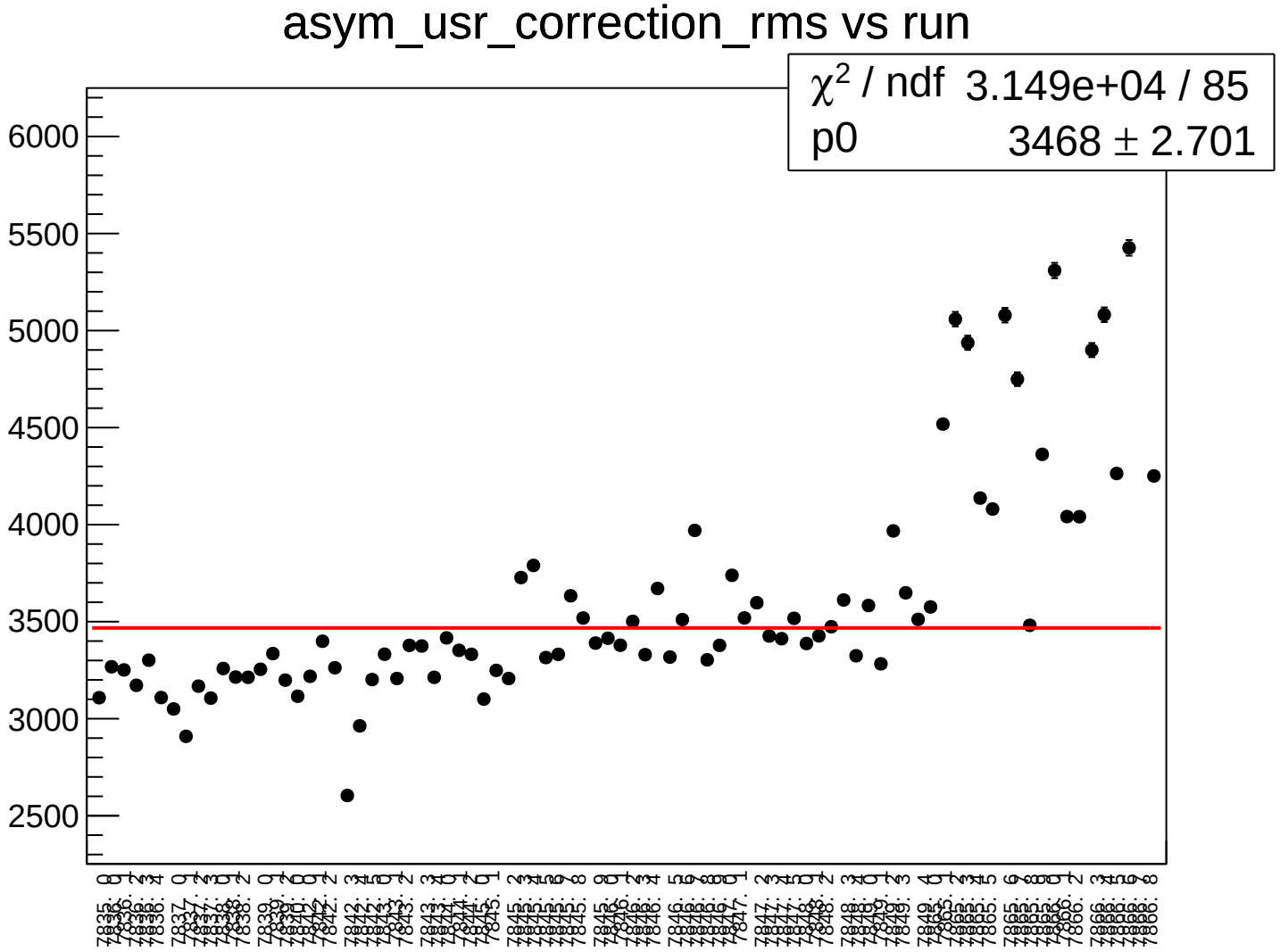

dit_asym_usr_mean vs run
χ² / ndf 85.69 / 85
p0 3575 ± 1205
pull
Entries 86
Mean 283.5
Std Dev 241.8
pull1D
Entries 86
Mean 0.0177
Std Dev 0.998

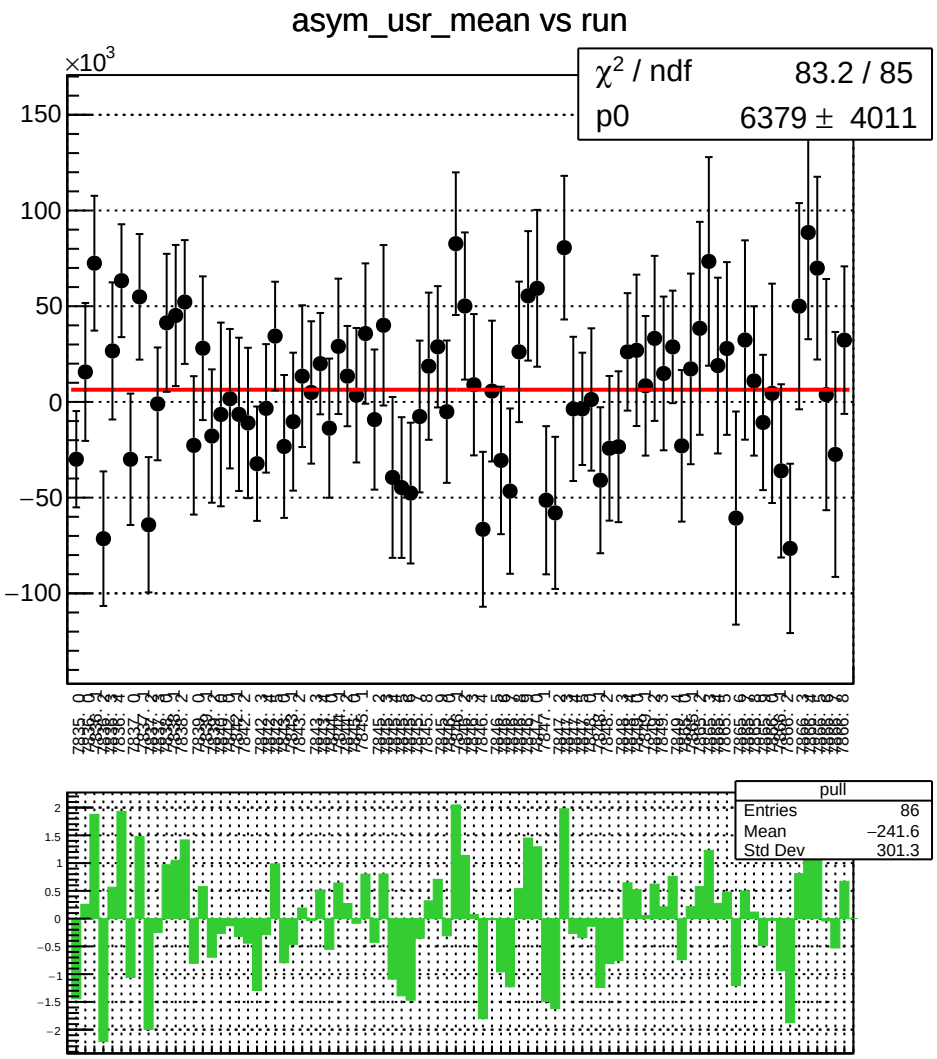
dit_asym_usr_rms vs run

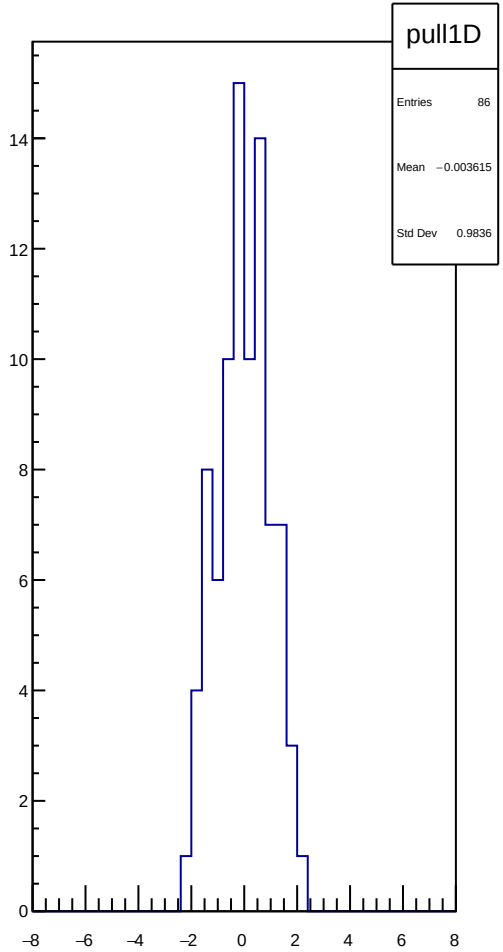


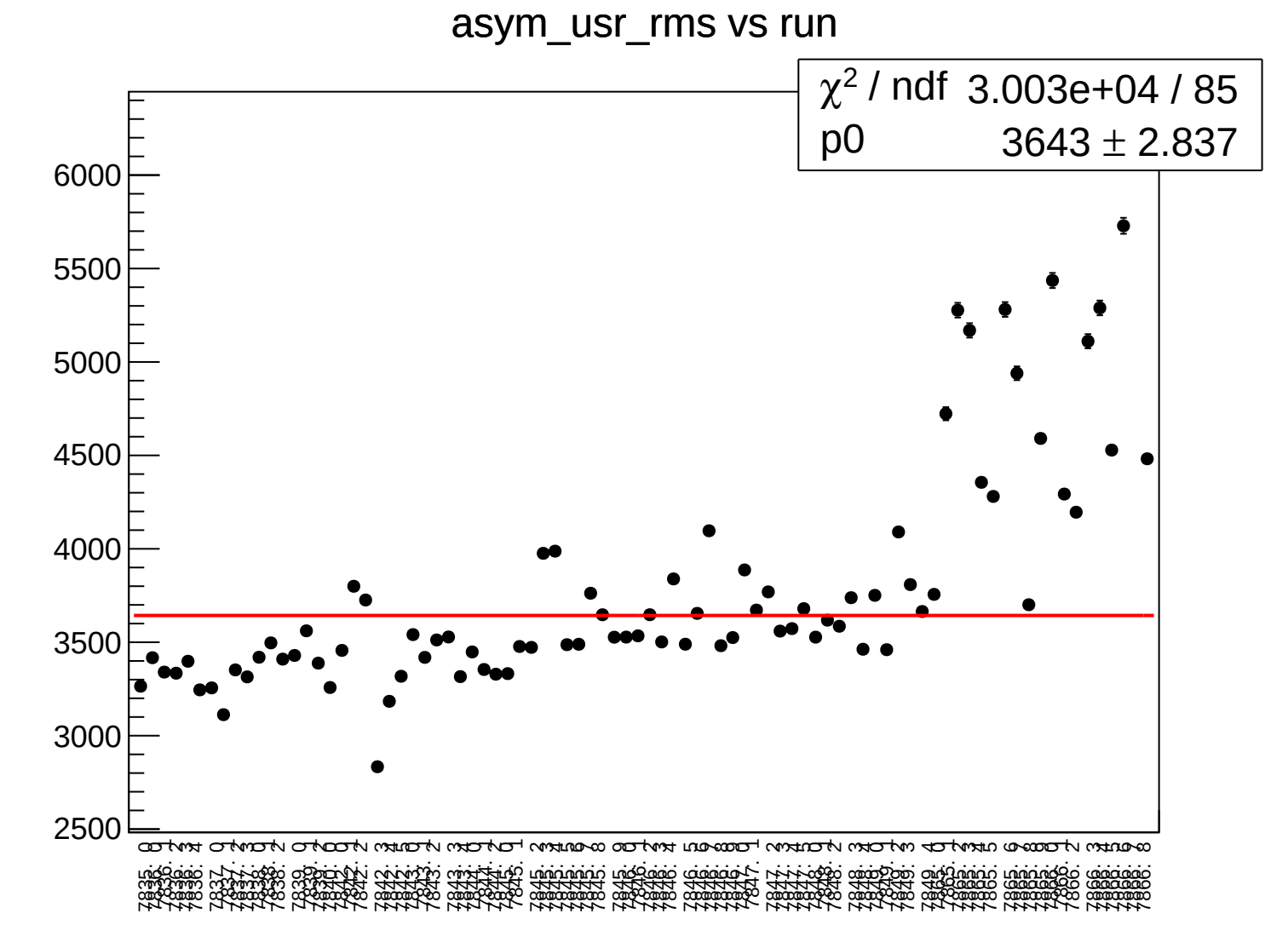

asym_usr_correction_mean vs run
×10^3
χ² / ndf 89.23 / 85
p0 −3055 ± 3820
pull
Entries 86
Mean 49.06
Std Dev 60.37

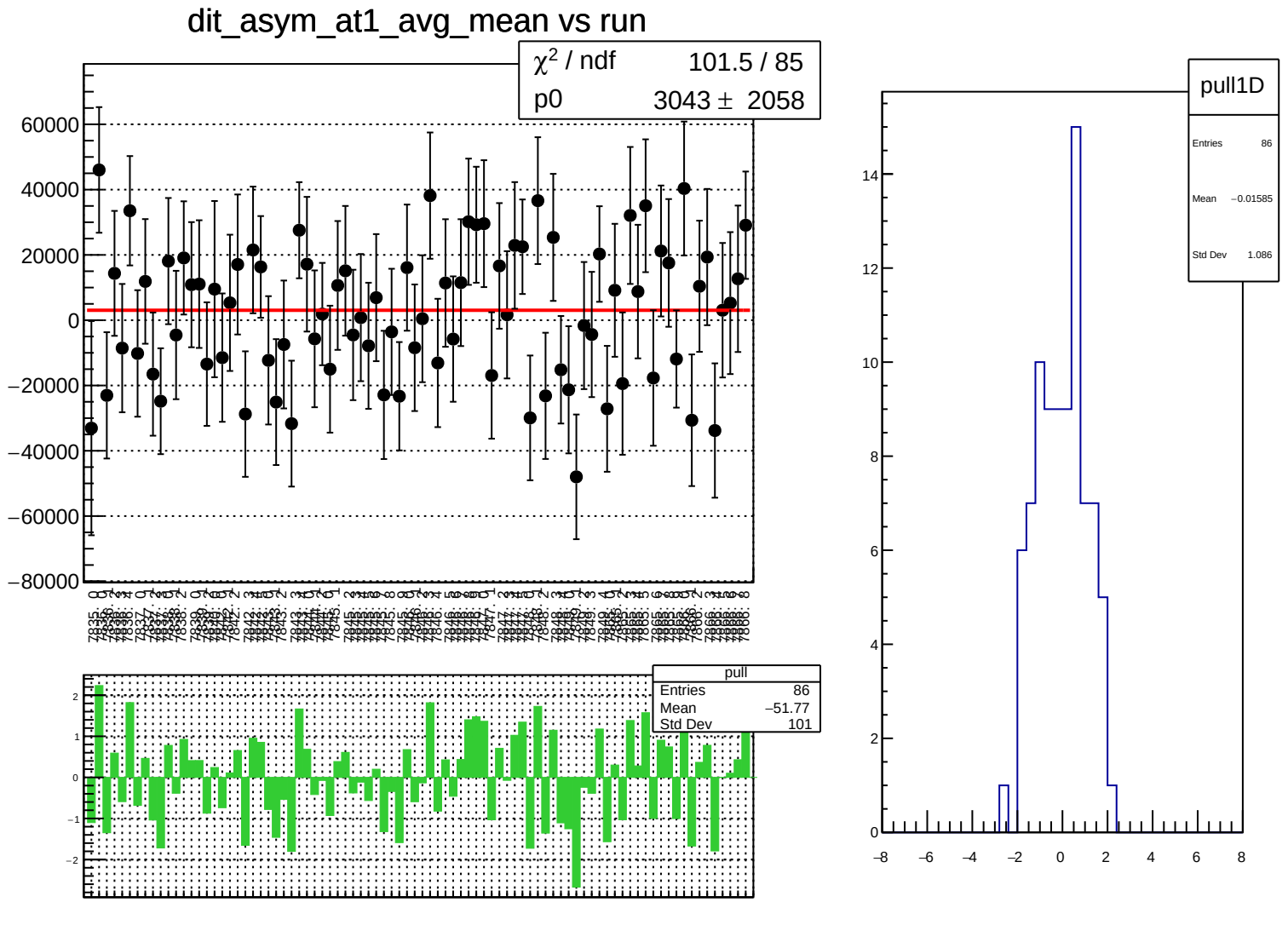

pull1D
Entries 86
Mean 0.01204
Std Dev 1.019


asym_usr_correction_rms vs run
χ^2 / ndf 3.149e+04 / 85
p0 3468 ± 2.701
6000
5500
5000
4500
4000
3500
3000
2500

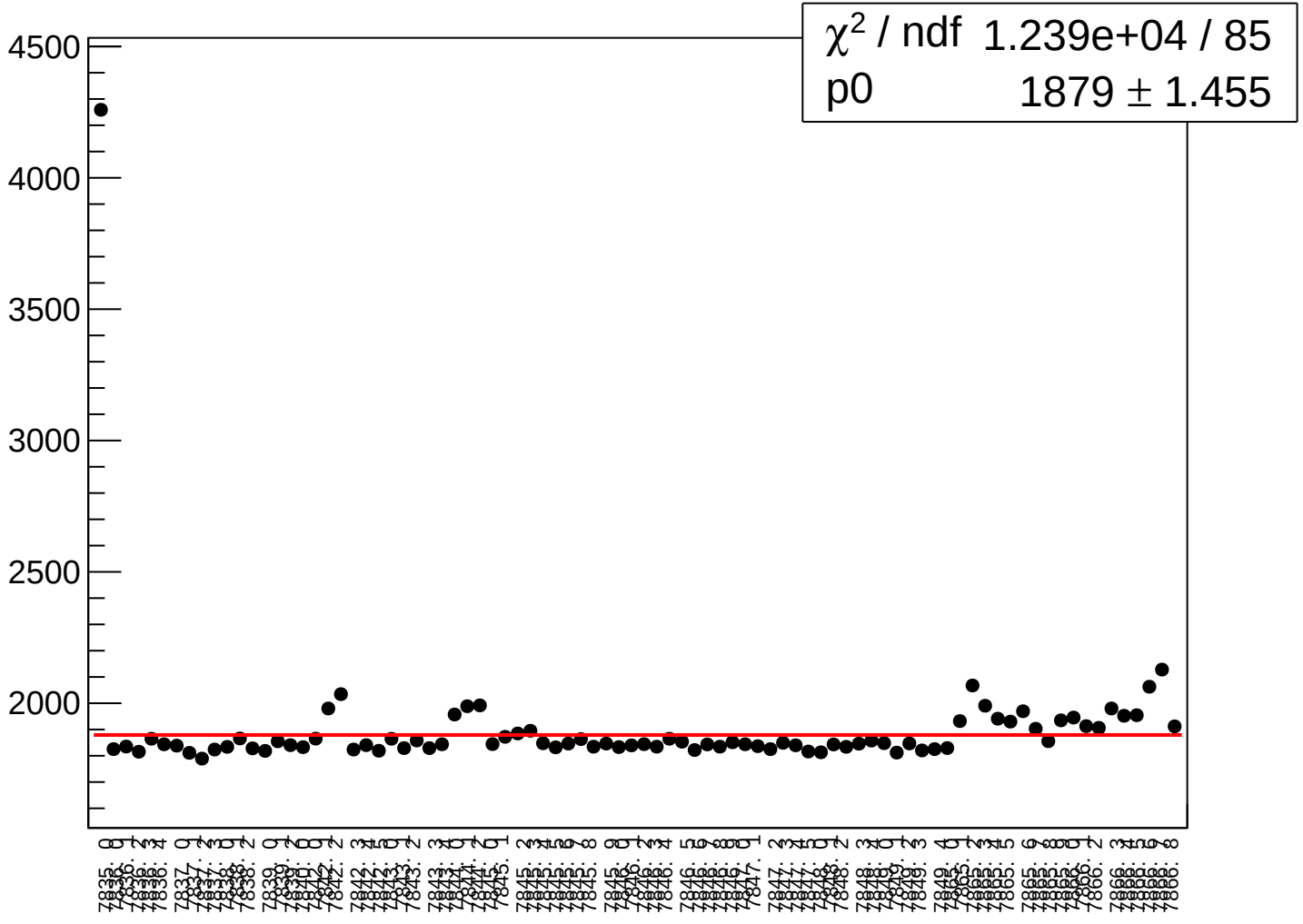

asym_usr_mean vs run
×10^3
χ² / ndf 83.2 / 85
p0 6379 ± 4011
pull
Entries 86
Mean −241.6
Std Dev 301.3

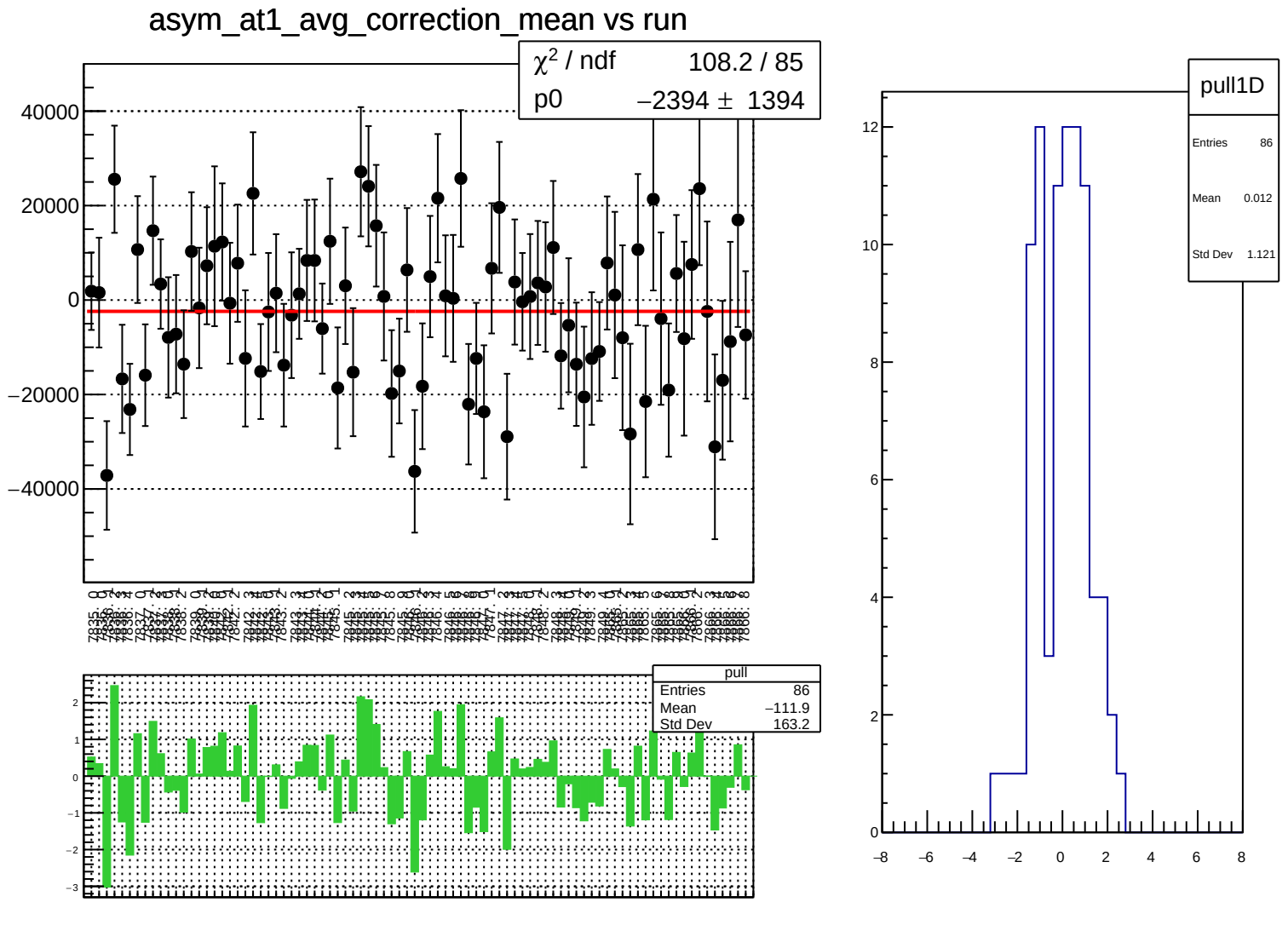

pull1D
Entries 86
Mean −0.003615
Std Dev 0.9836


asym_usr_rms vs run
χ^2 / ndf 3.003e+04 / 85
p0 3643 ± 2.837
6000
5500
5000
4500
4000
3500
3000
2500

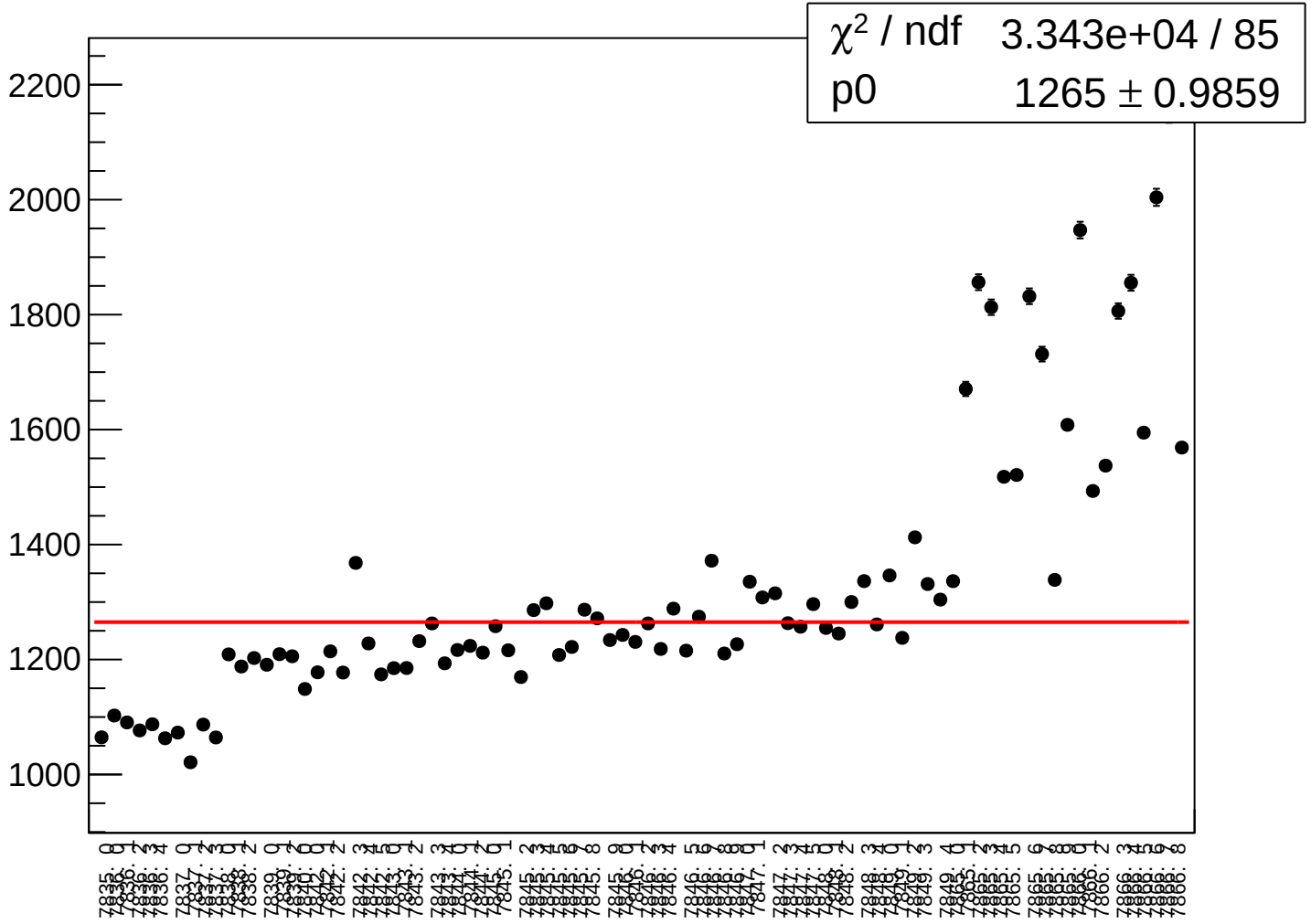

dit_asym_at1_avg_mean vs run
χ² / ndf 101.5 / 85
p0 3043 ± 2058
pull
Entries 86
Mean −51.77
Std Dev 101
pull1D
Entries 86
Mean −0.01585
Std Dev 1.086

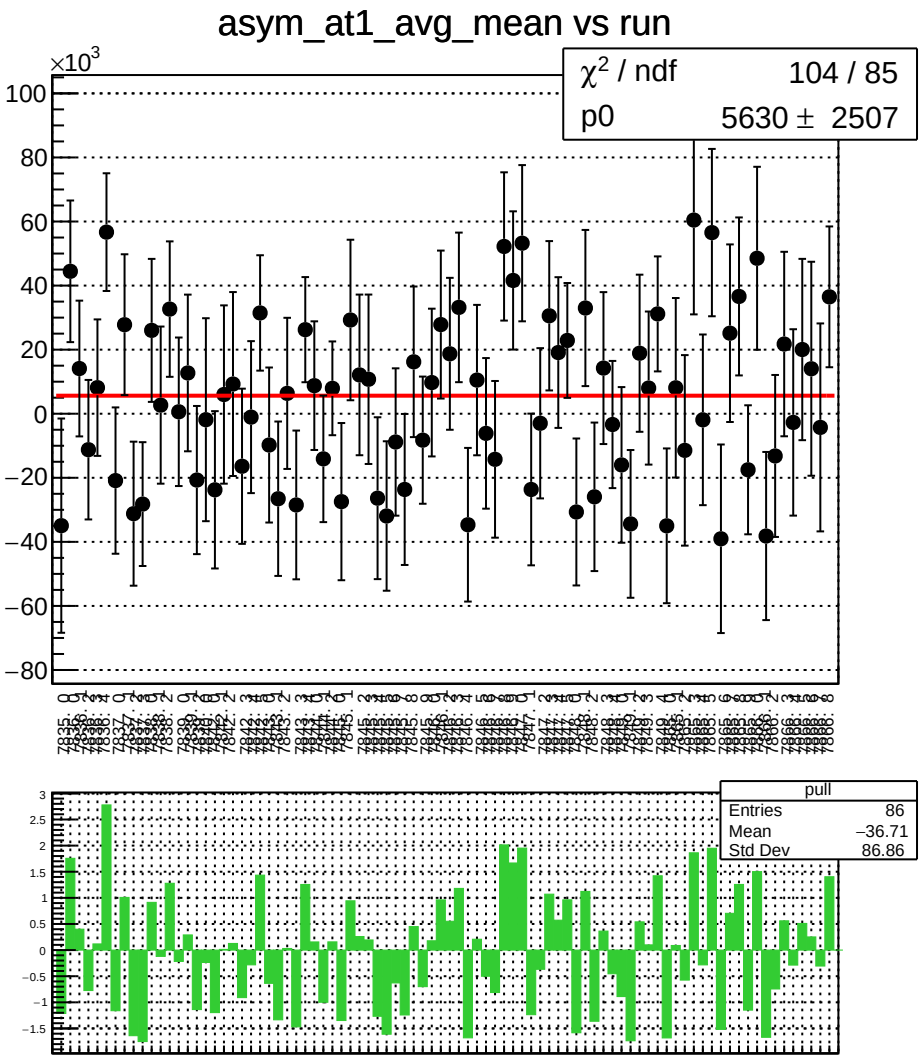
dit_asym_at1_avg_rms vs run

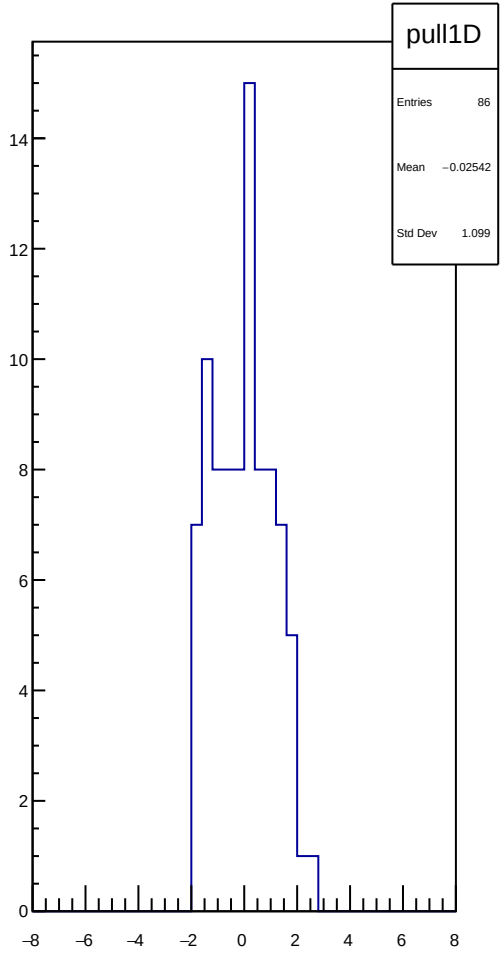



asym_at1_avg_correction_mean vs run
χ² / ndf 108.2 / 85
p0 −2394 ± 1394
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −111.9
Std Dev 163.2
2
1
0
−1
−2
−3
pull1D
Entries 86
Mean 0.012
Std Dev 1.121
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

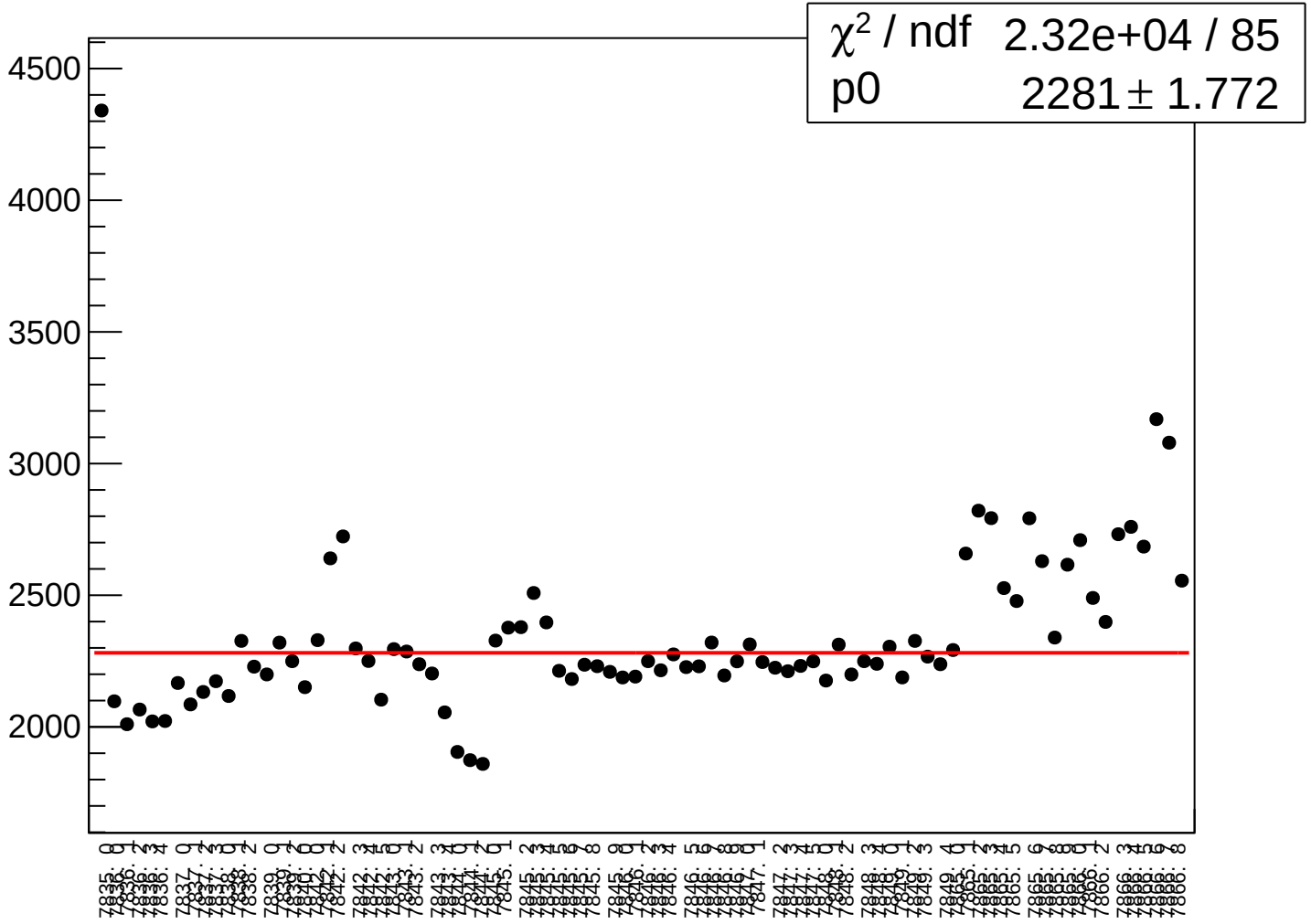
asym_at1_avg_correction_rms vs run

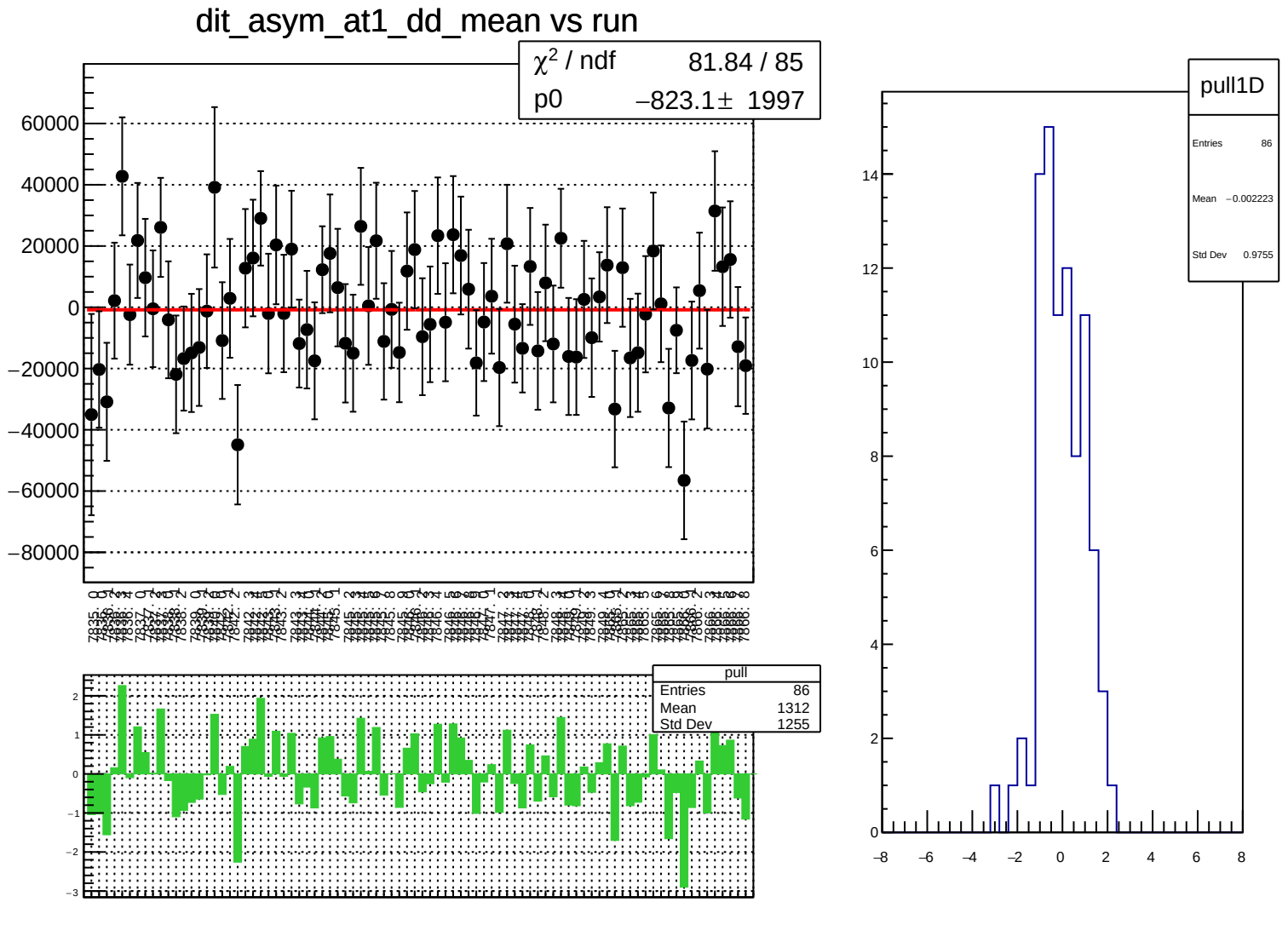



asym_at1_avg_mean vs run
×10^3
χ^2 / ndf 104 / 85
p0 5630 ± 2507
pull
Entries 86
Mean −36.71
Std Dev 86.86

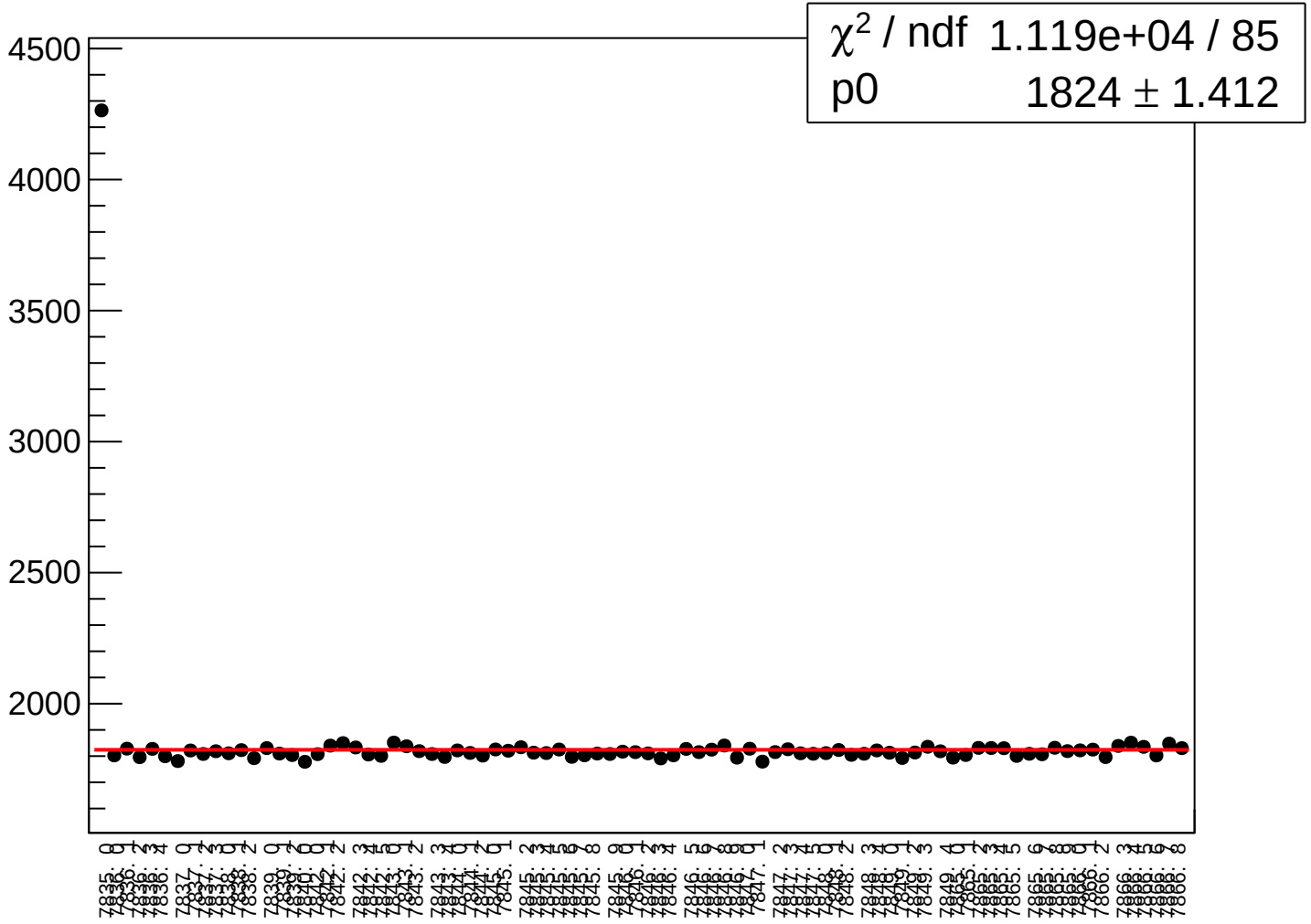

pull1D
Entries 86
Mean −0.02542
Std Dev 1.099

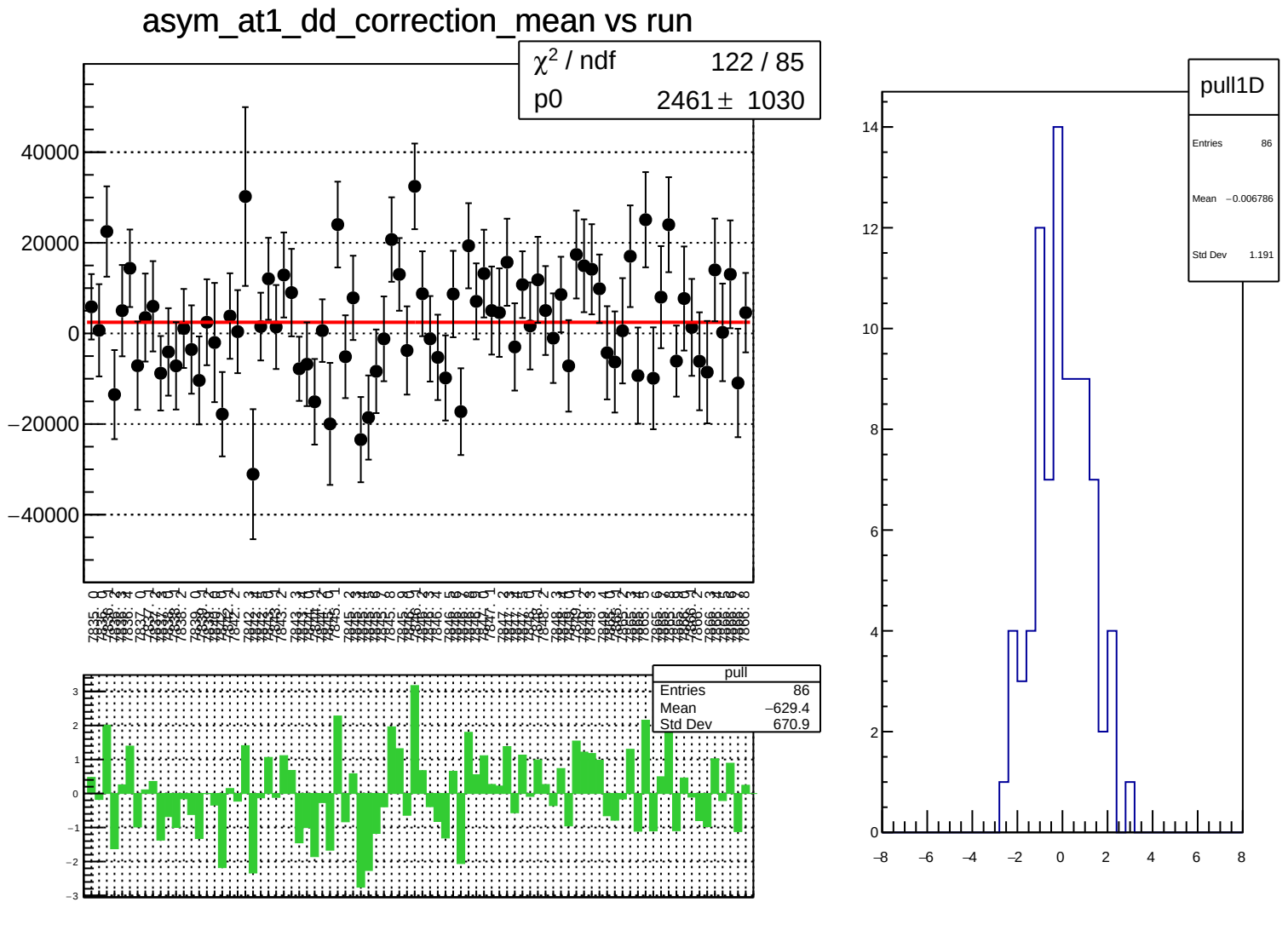
asym_at1_avg_rms vs run

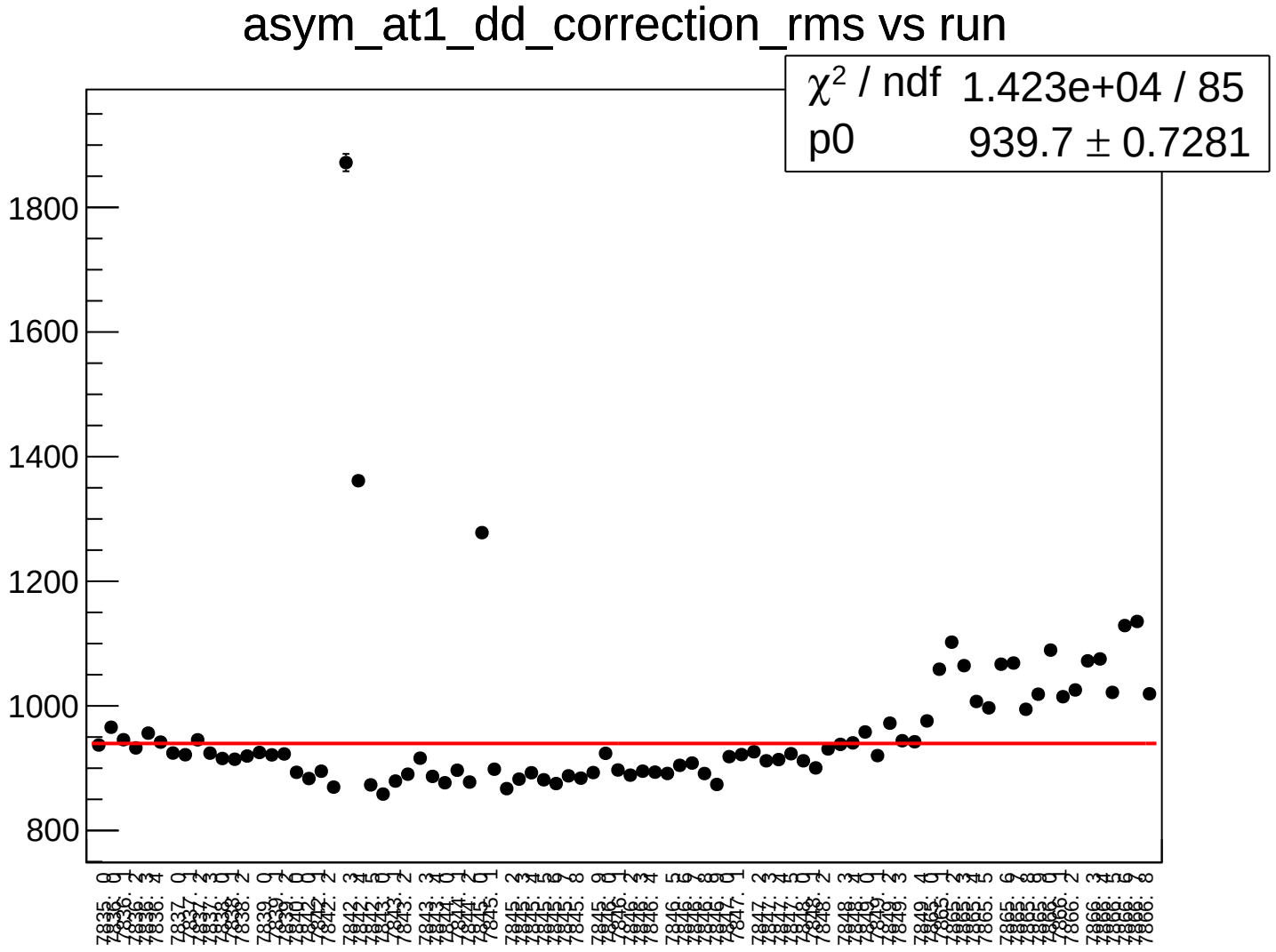


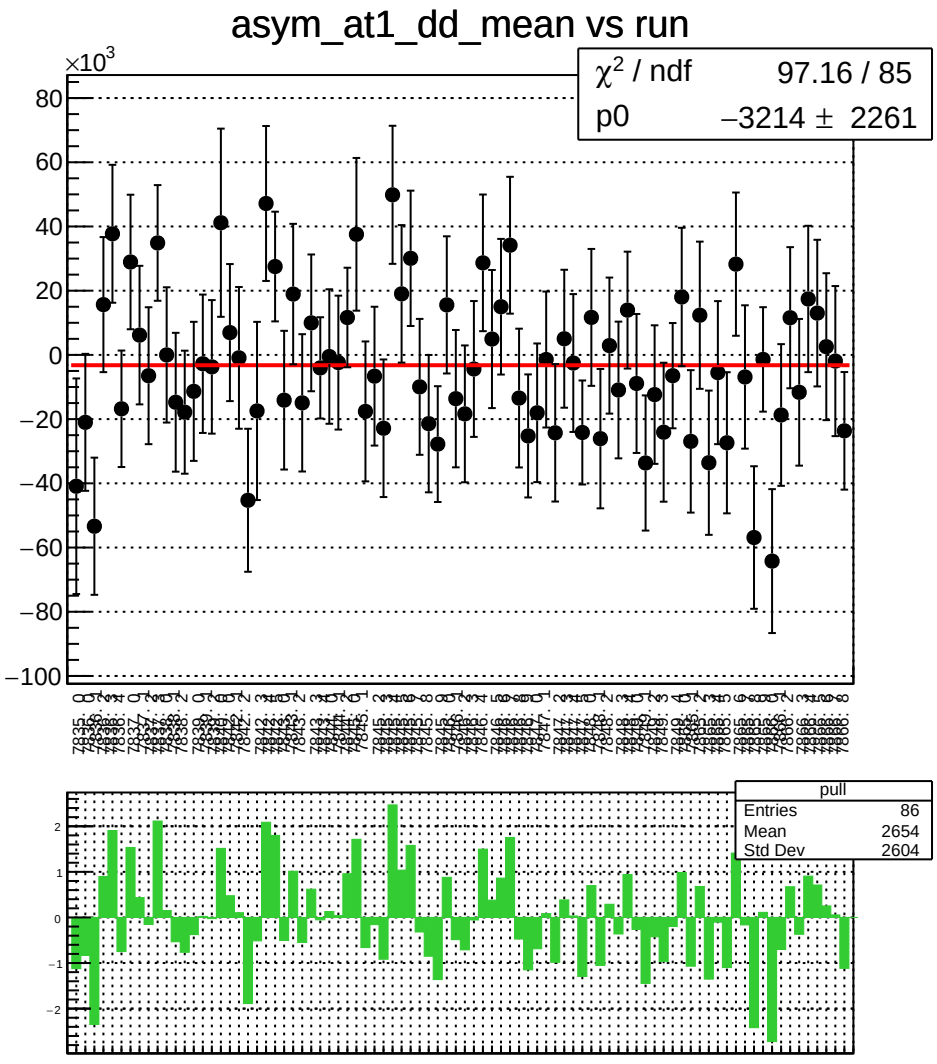

dit_asym_at1_dd_mean vs run
χ² / ndf 81.84 / 85
p0 −823.1± 1997
pull
Entries 86
Mean 1312
Std Dev 1255
pull1D
Entries 86
Mean −0.002223
Std Dev 0.9755

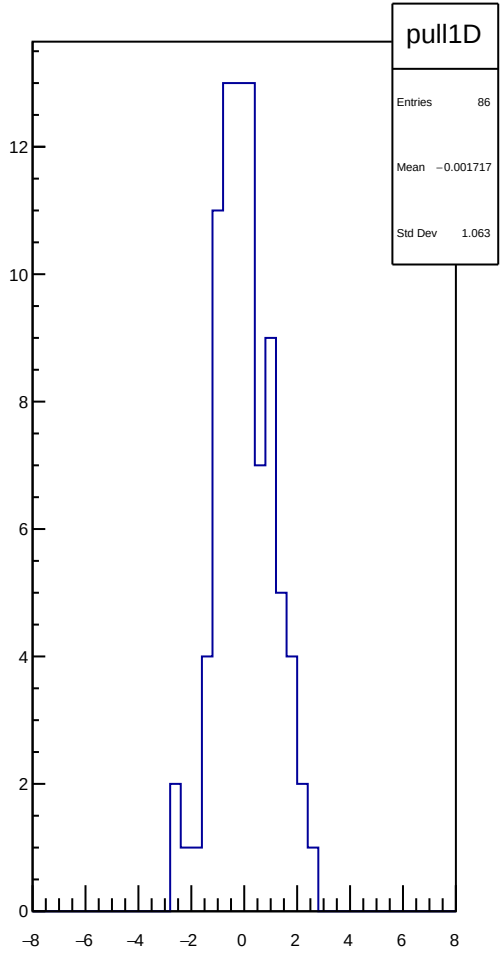
dit_asym_at1_dd_rms vs run



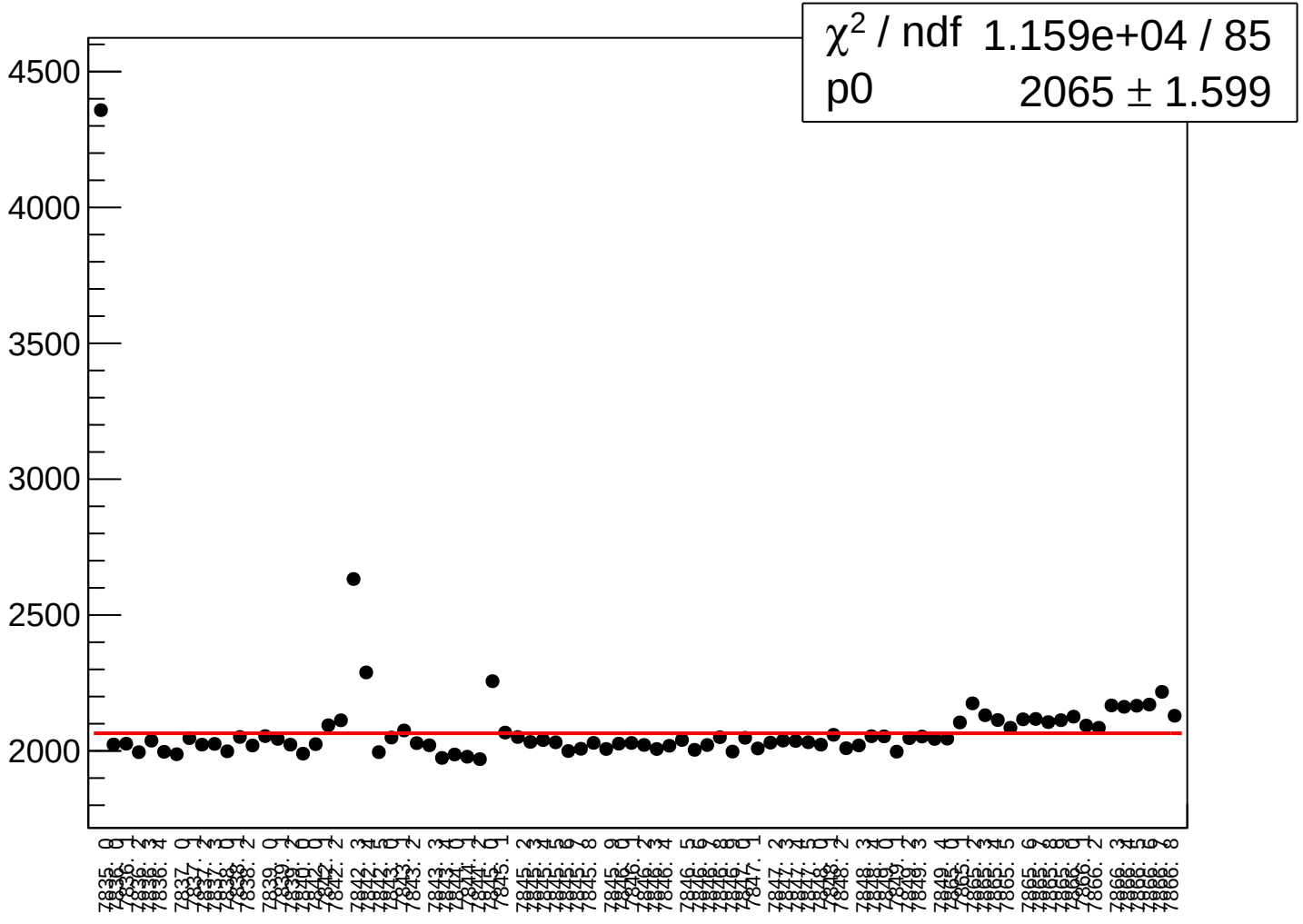

asym_at1_dd_correction_mean vs run
χ² / ndf 122 / 85
p0 2461 ± 1030
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −629.4
Std Dev 670.9
pull1D
Entries 86
Mean −0.006786
Std Dev 1.191

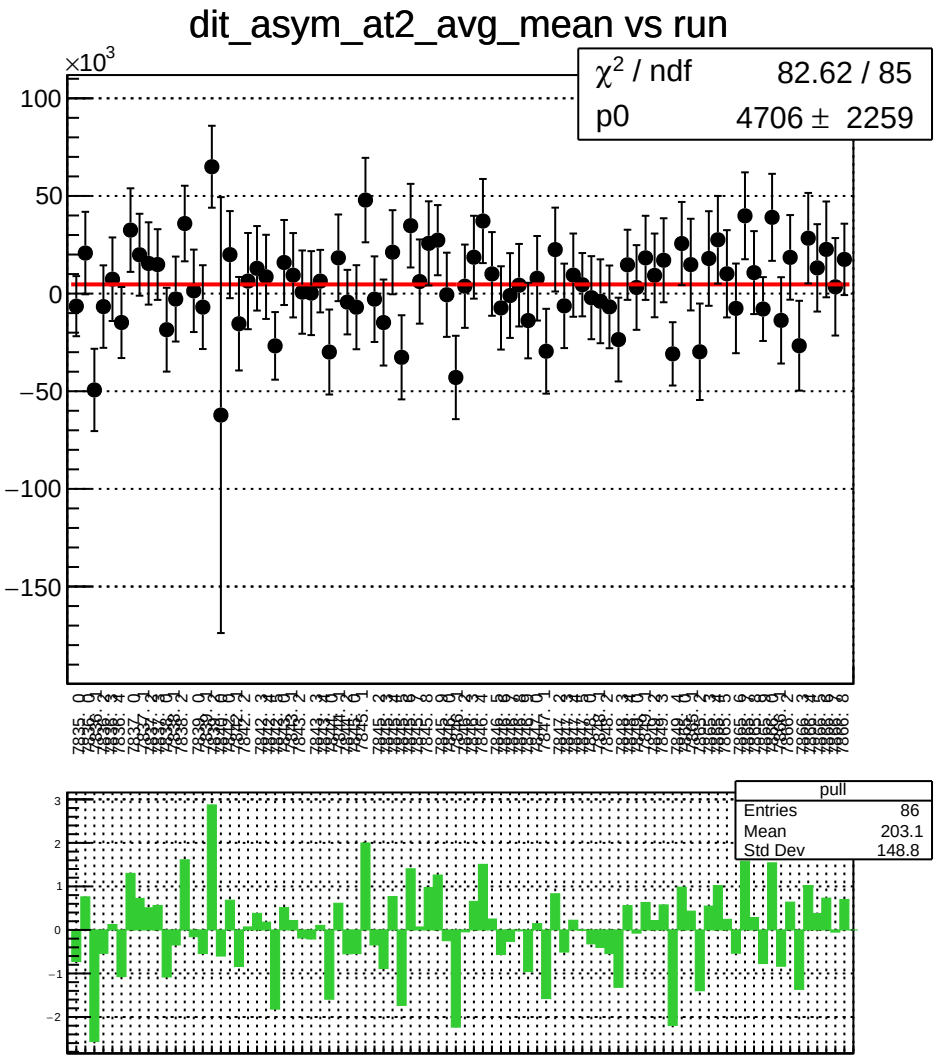

asym_at1_dd_correction_rms vs run
χ² / ndf 1.423e+04 / 85
p0 939.7 ± 0.7281
1800
1600
1400
1200
1000
800

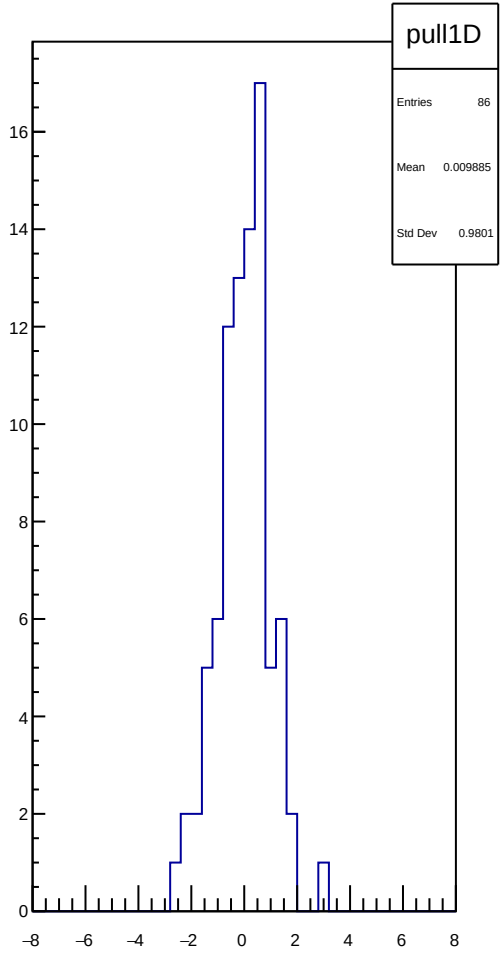

asym_at1_dd_mean vs run
×10^3
χ² / ndf 97.16 / 85
p0 −3214 ± 2261
pull
Entries 86
Mean 2654
Std Dev 2604


pull1D
Entries 86
Mean −0.001717
Std Dev 1.063

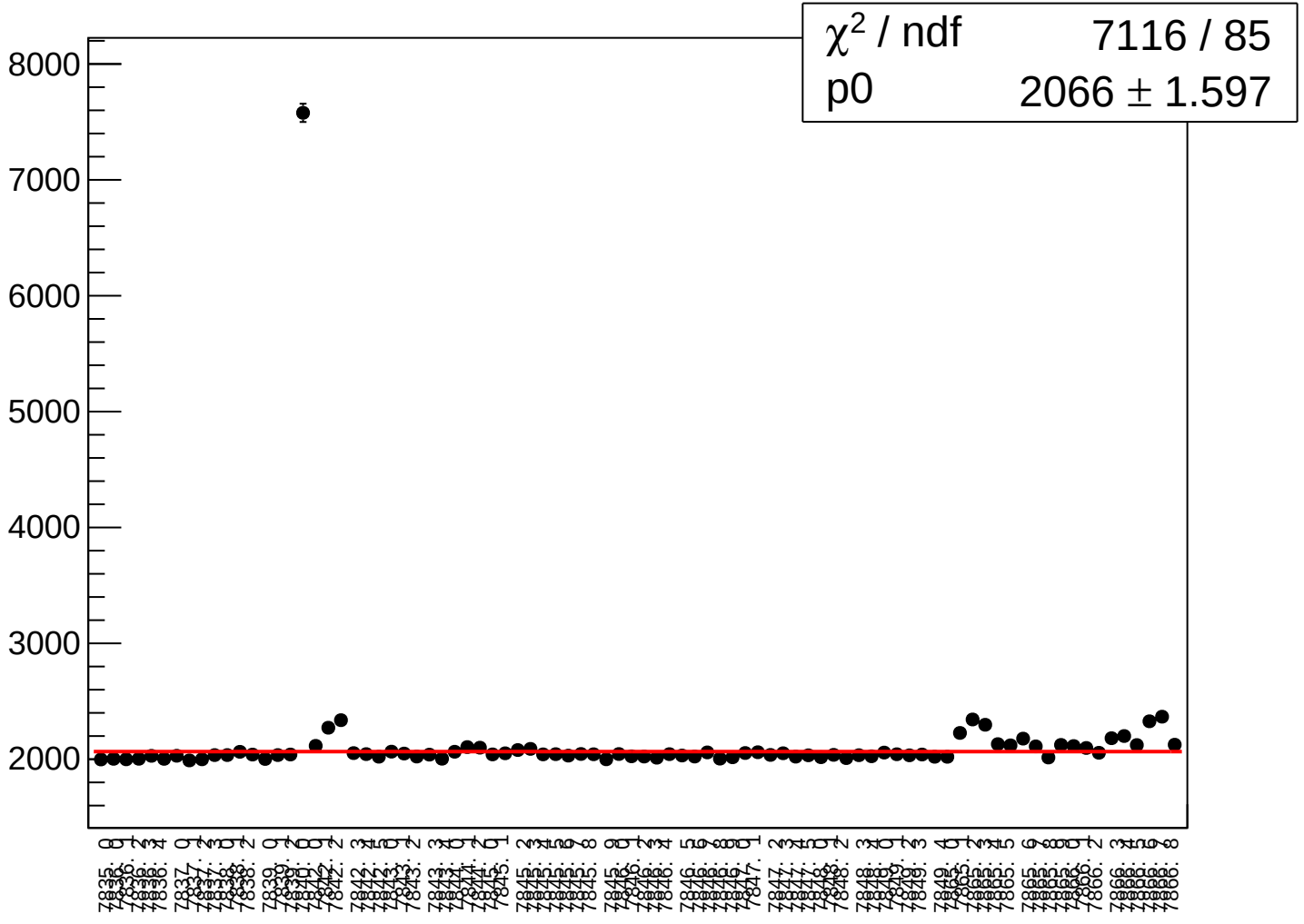
asym_at1_dd_rms vs run

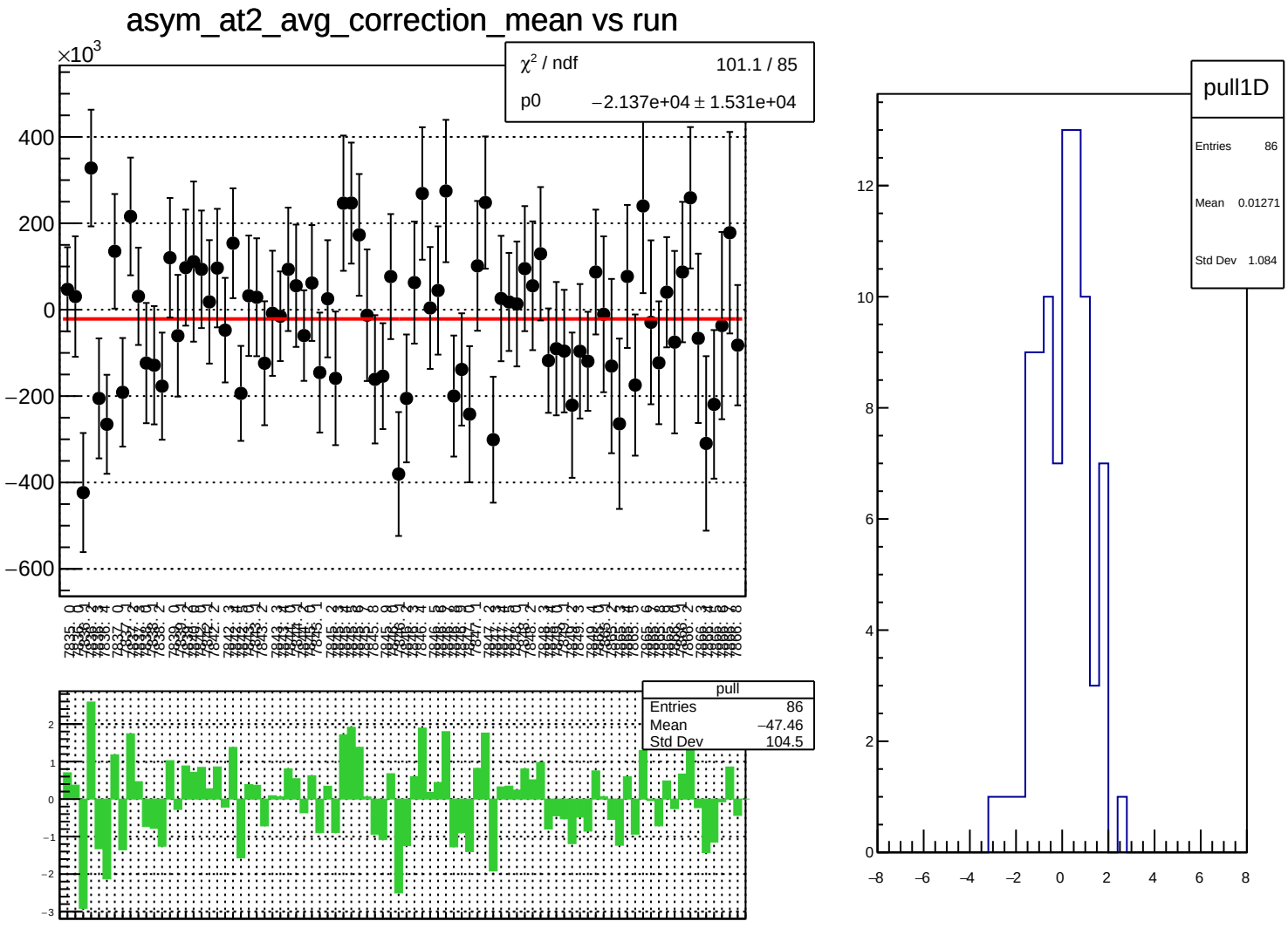



dit_asym_at2_avg_mean vs run
×10^3
χ² / ndf 82.62 / 85
p0 4706 ± 2259
pull
Entries 86
Mean 203.1
Std Dev 148.8

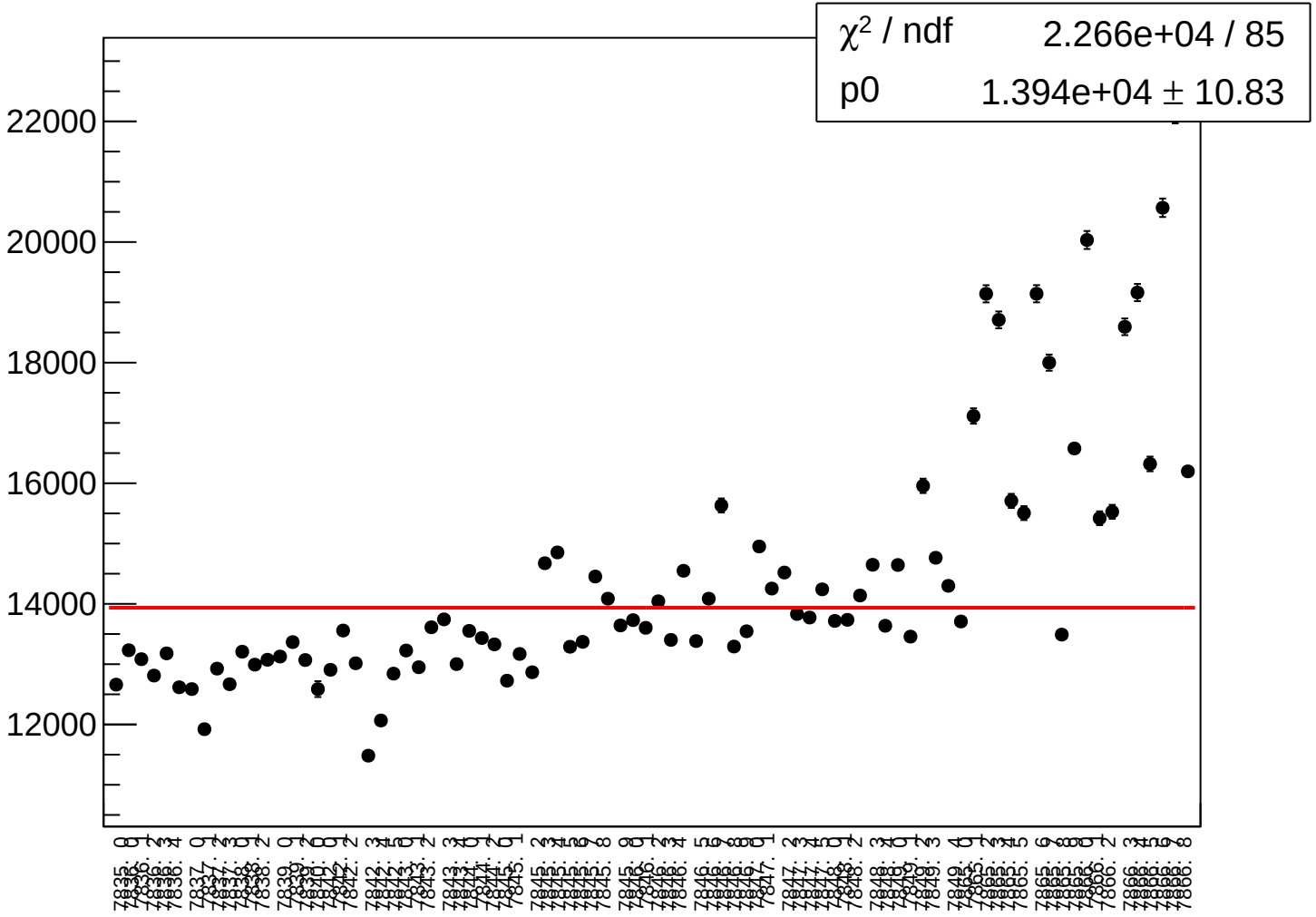

pull1D
Entries 86
Mean 0.009885
Std Dev 0.9801

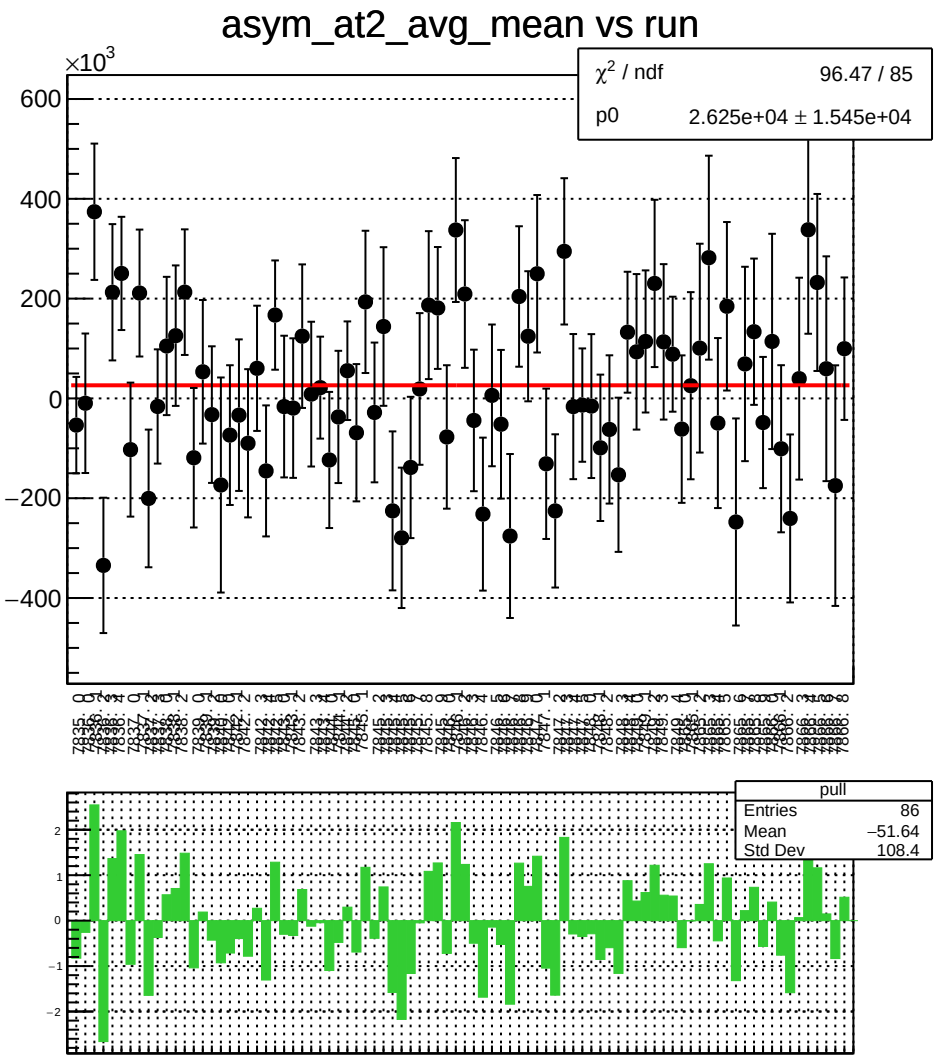
dit_asym_at2_avg_rms vs run

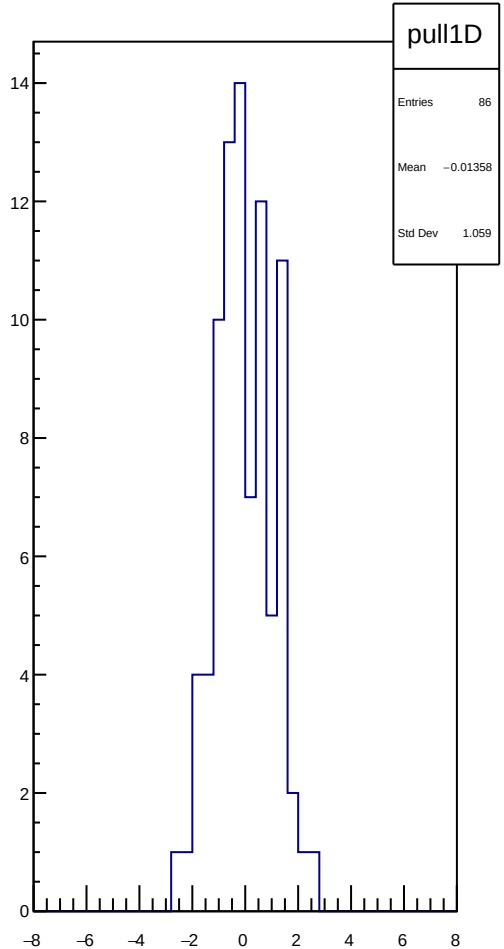



asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 101.1 / 85
p0 −2.137e+04 ± 1.531e+04
400
200
0
−200
−400
−600
pull
Entries 86
Mean −47.46
Std Dev 104.5
2
1
0
−1
−2
−3
pull1D
Entries 86
Mean 0.01271
Std Dev 1.084
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

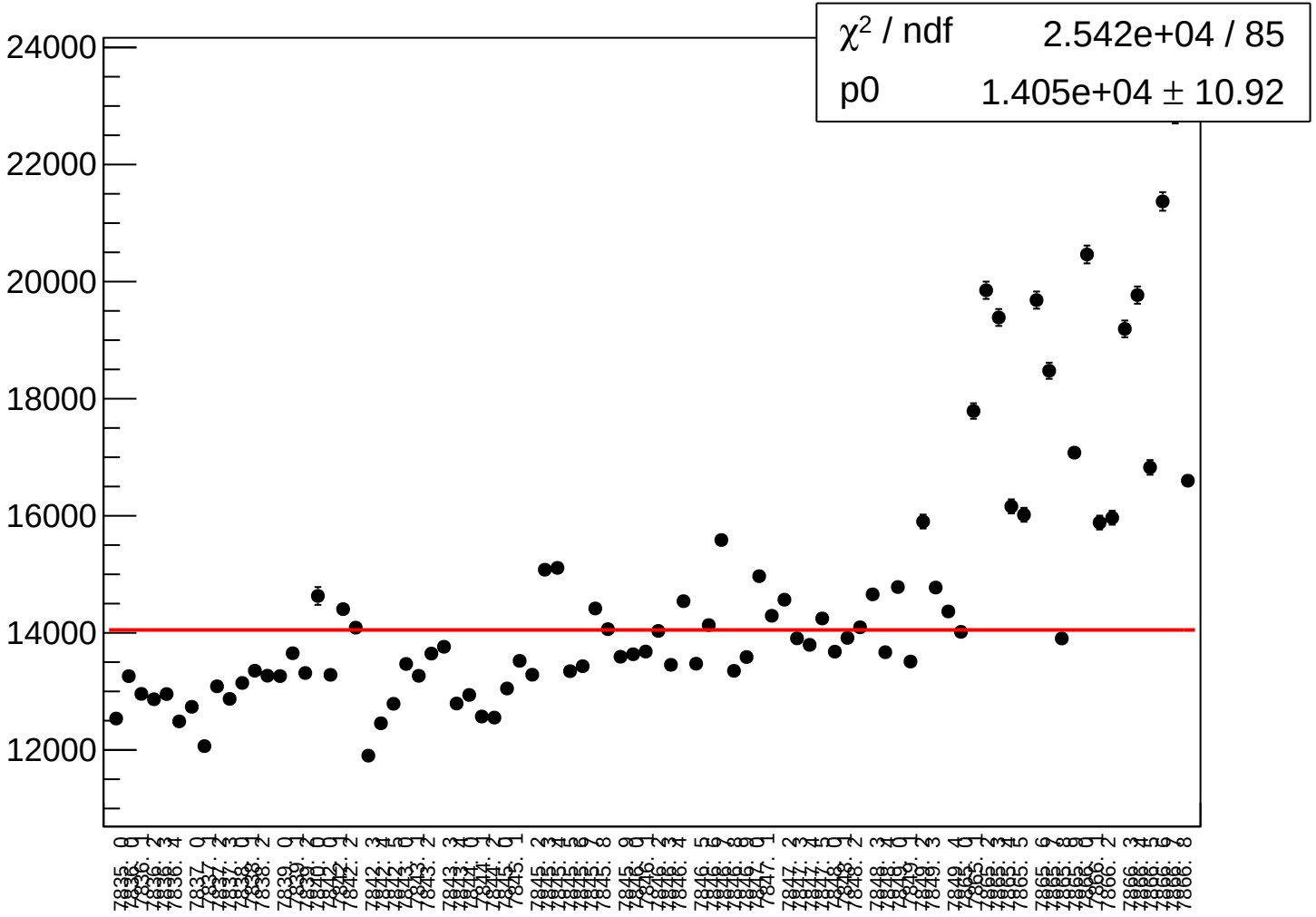
asym_at2_avg_correction_rms vs run

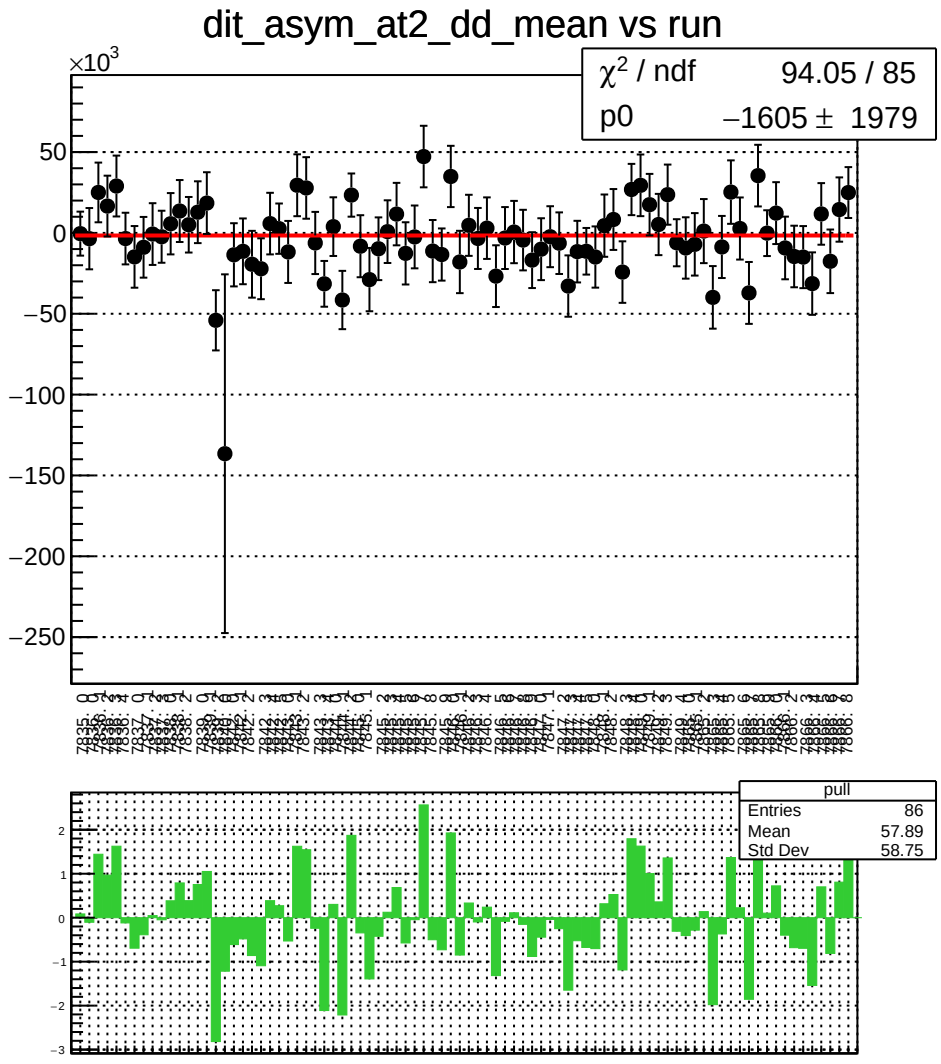


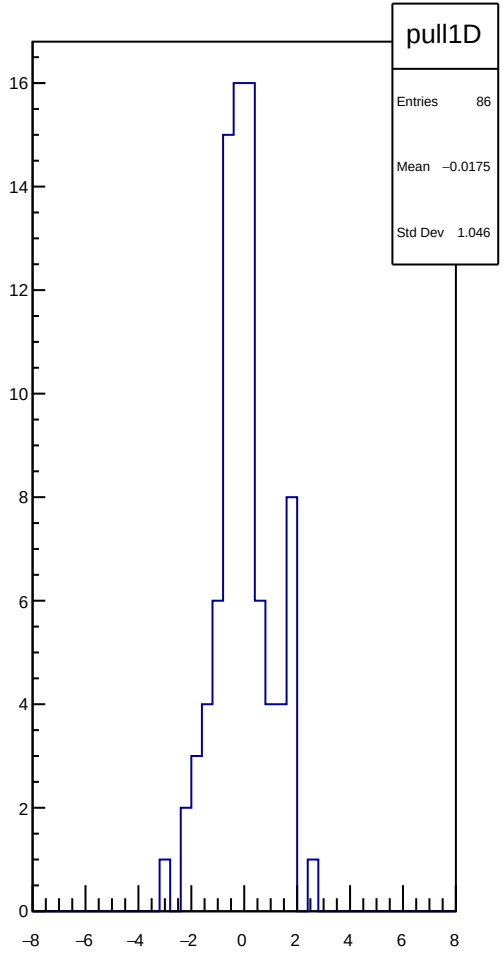

asym_at2_avg_mean vs run
×10^3
600
400
200
0
−200
−400
χ² / ndf 96.47 / 85
p0 2.625e+04 ± 1.545e+04
pull
Entries 86
Mean −51.64
Std Dev 108.4
2
1
0
−1
−2


pull1D
Entries 86
Mean −0.01358
Std Dev 1.059
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

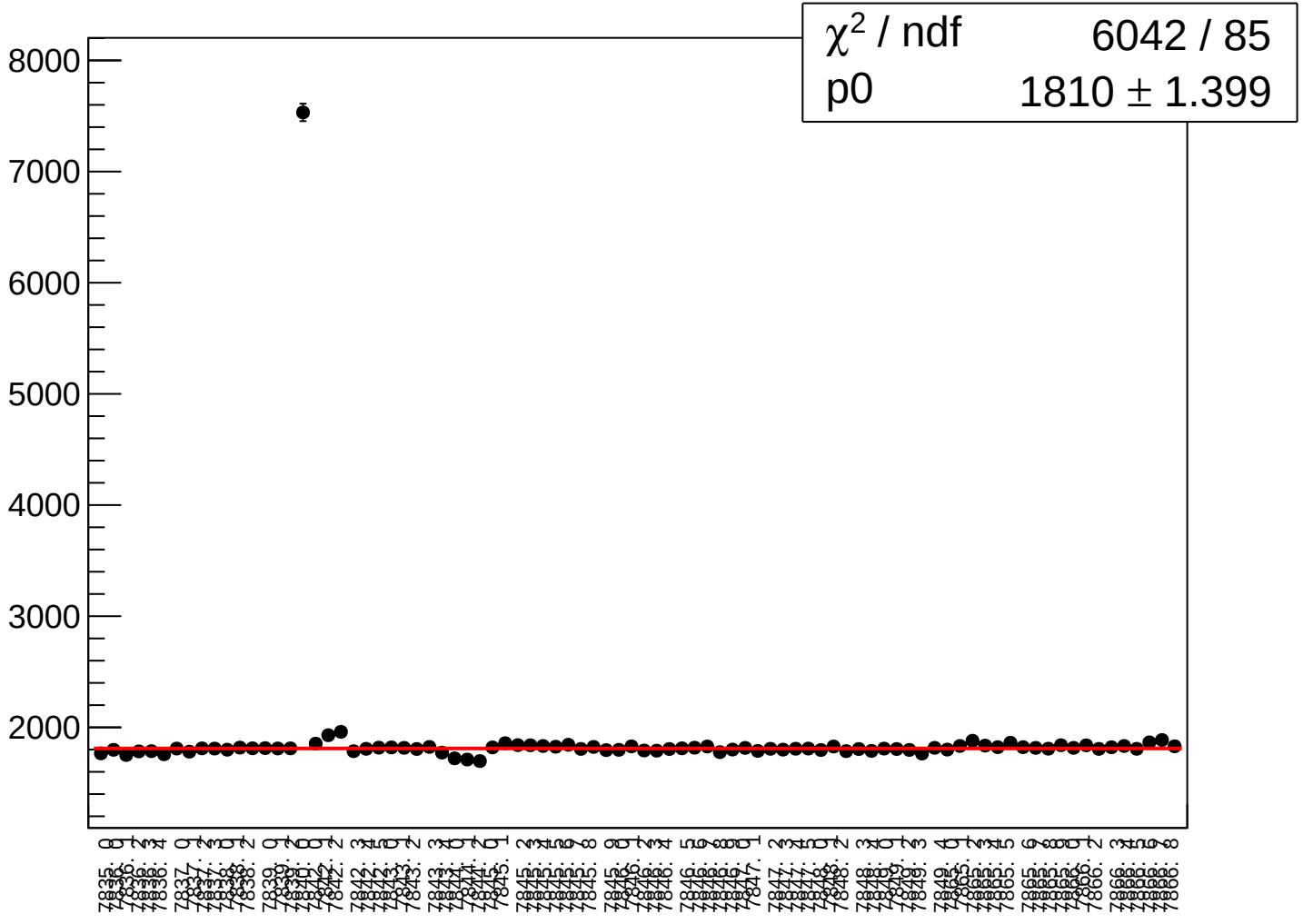
asym_at2_avg_rms vs run

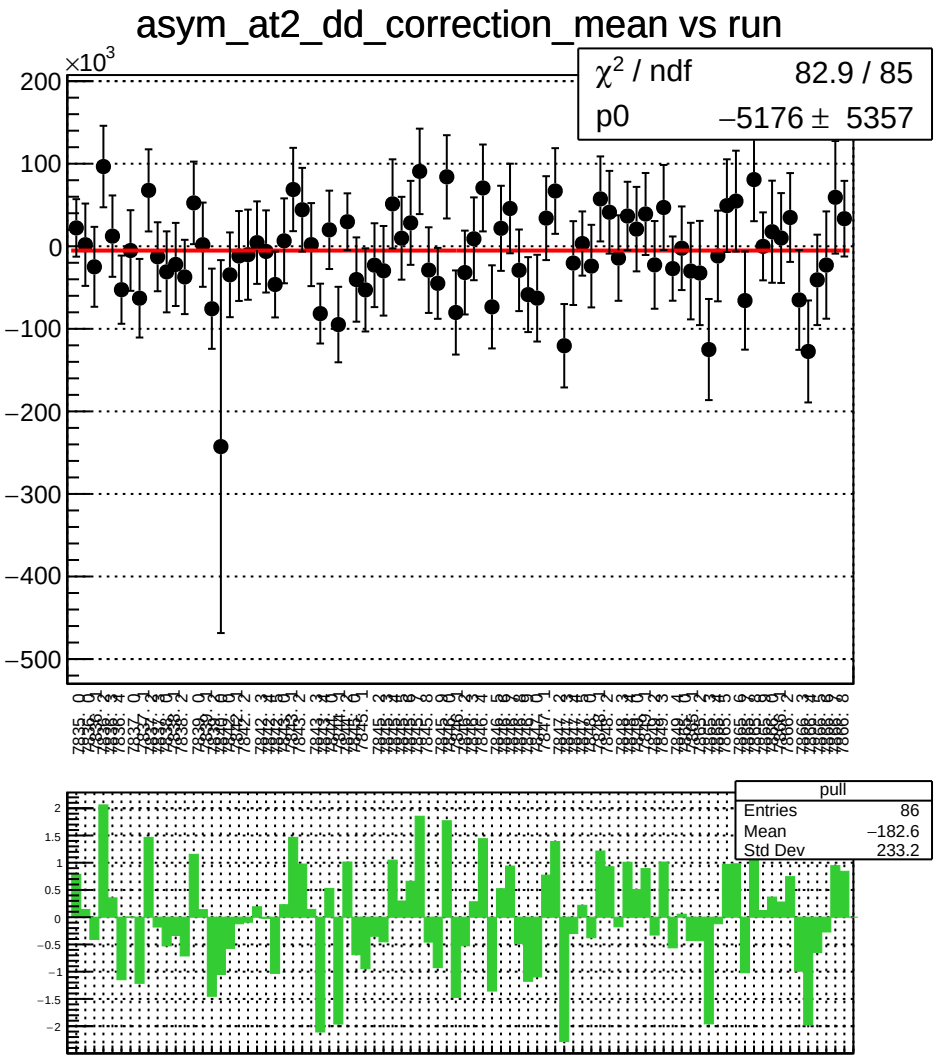


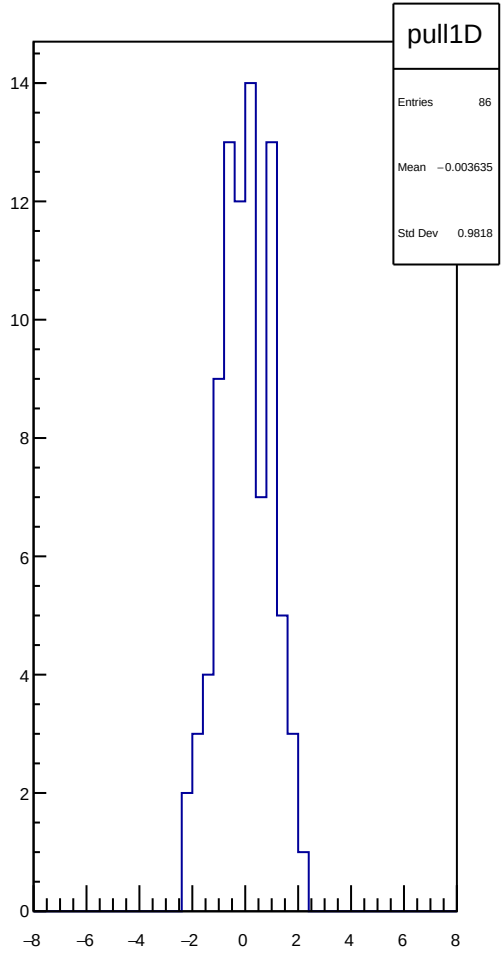

dit_asym_at2_dd_mean vs run
×10^3
χ² / ndf 94.05 / 85
p0 −1605 ± 1979
pull
Entries 86
Mean 57.89
Std Dev 58.75


pull1D
Entries 86
Mean −0.0175
Std Dev 1.046

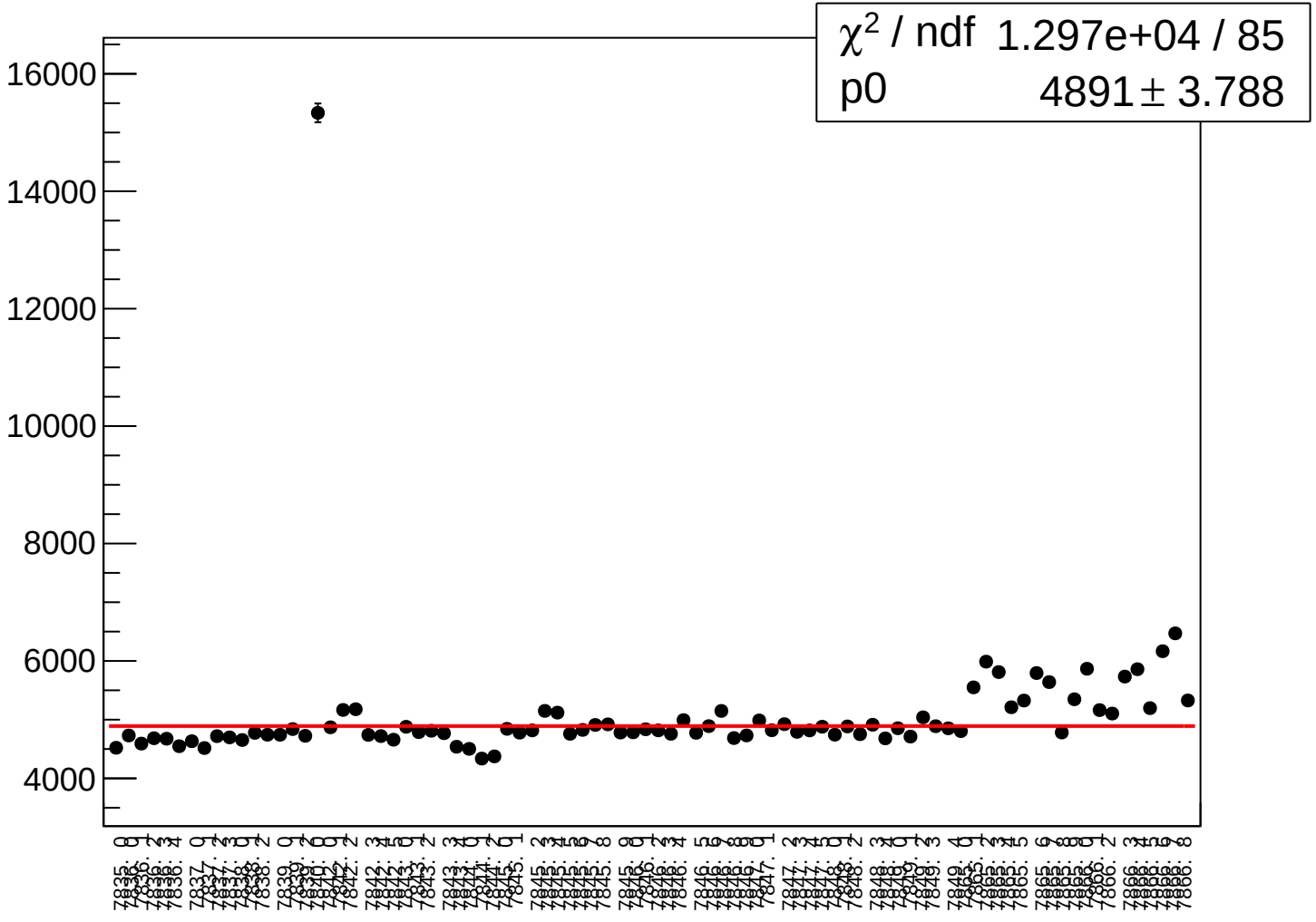
dit_asym_at2_dd_rms vs run

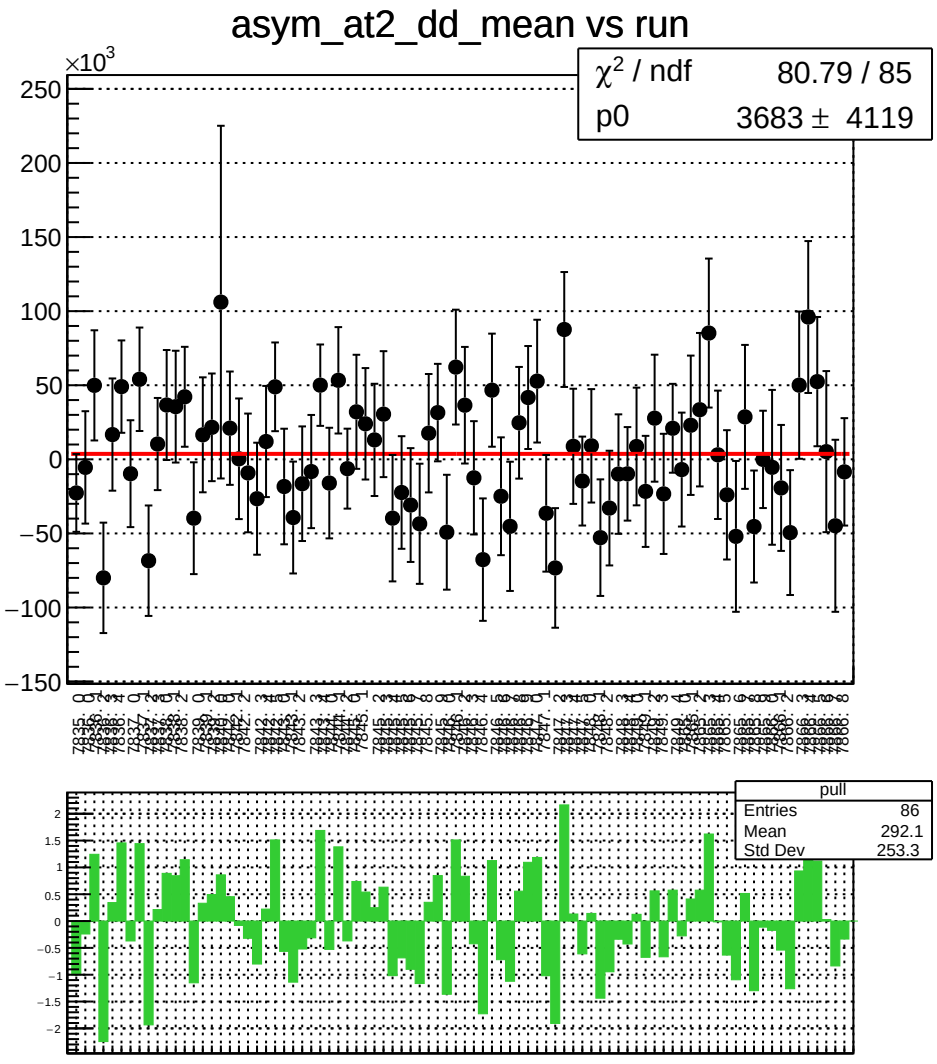


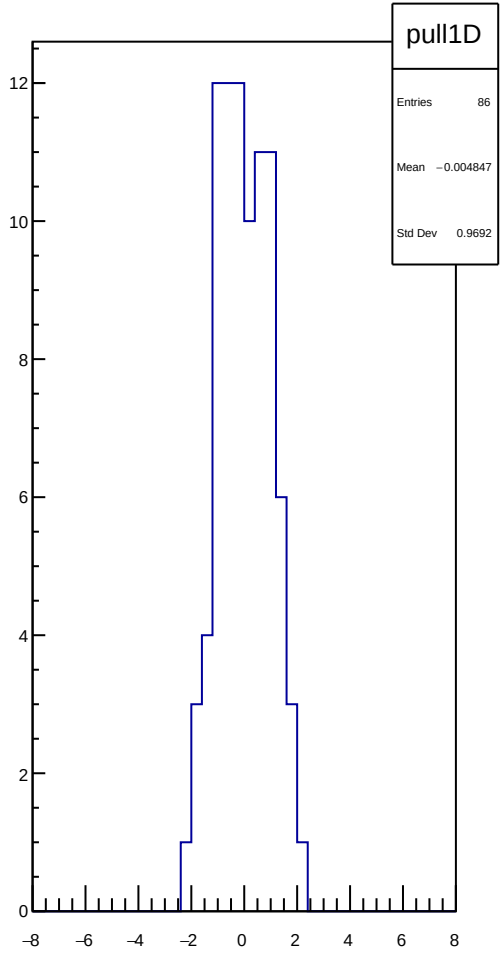

asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 82.9 / 85
p0 −5176 ± 5357
pull
Entries 86
Mean −182.6
Std Dev 233.2


pull1D
Entries 86
Mean −0.003635
Std Dev 0.9818

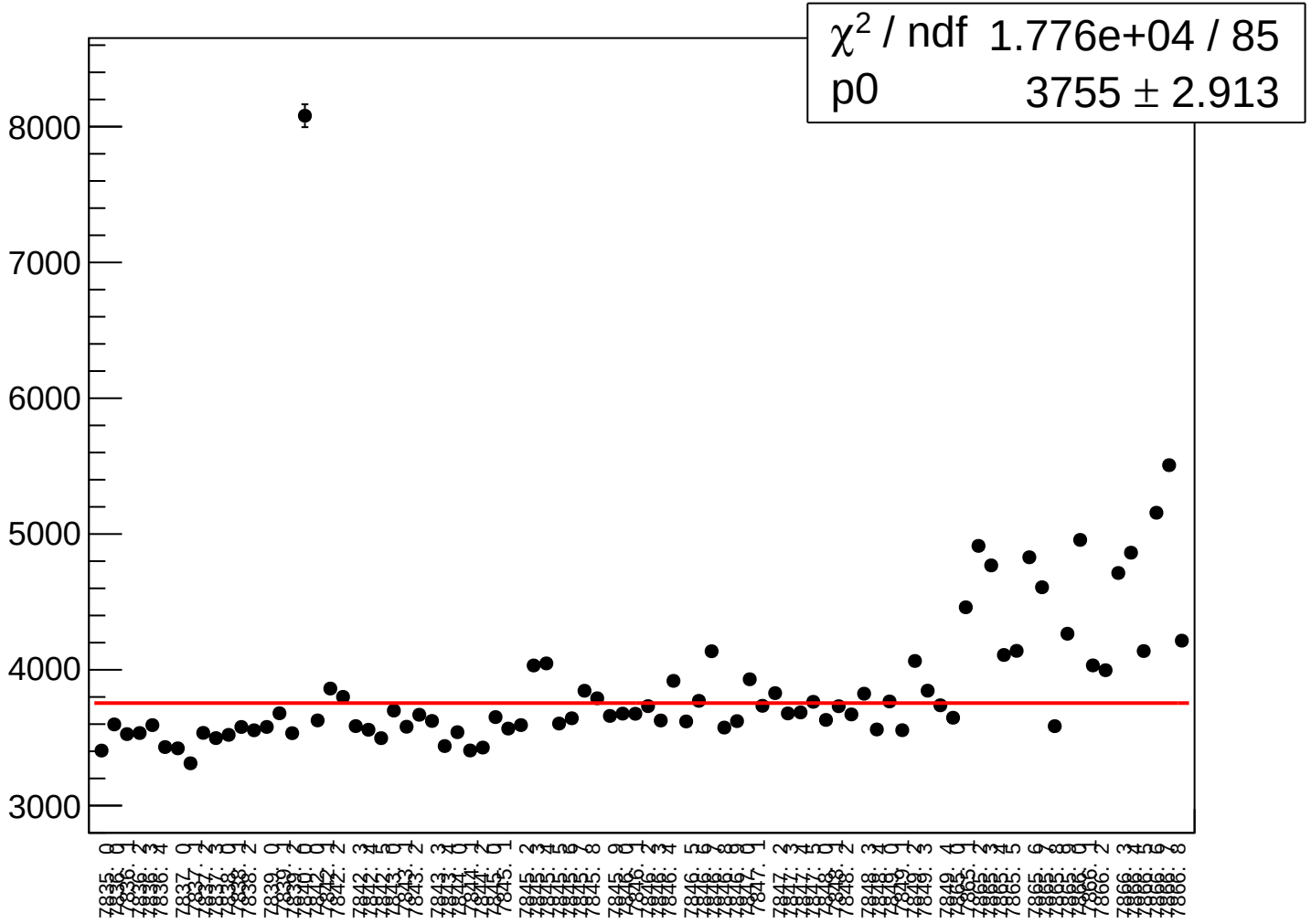
asym_at2_dd_correction_rms vs run

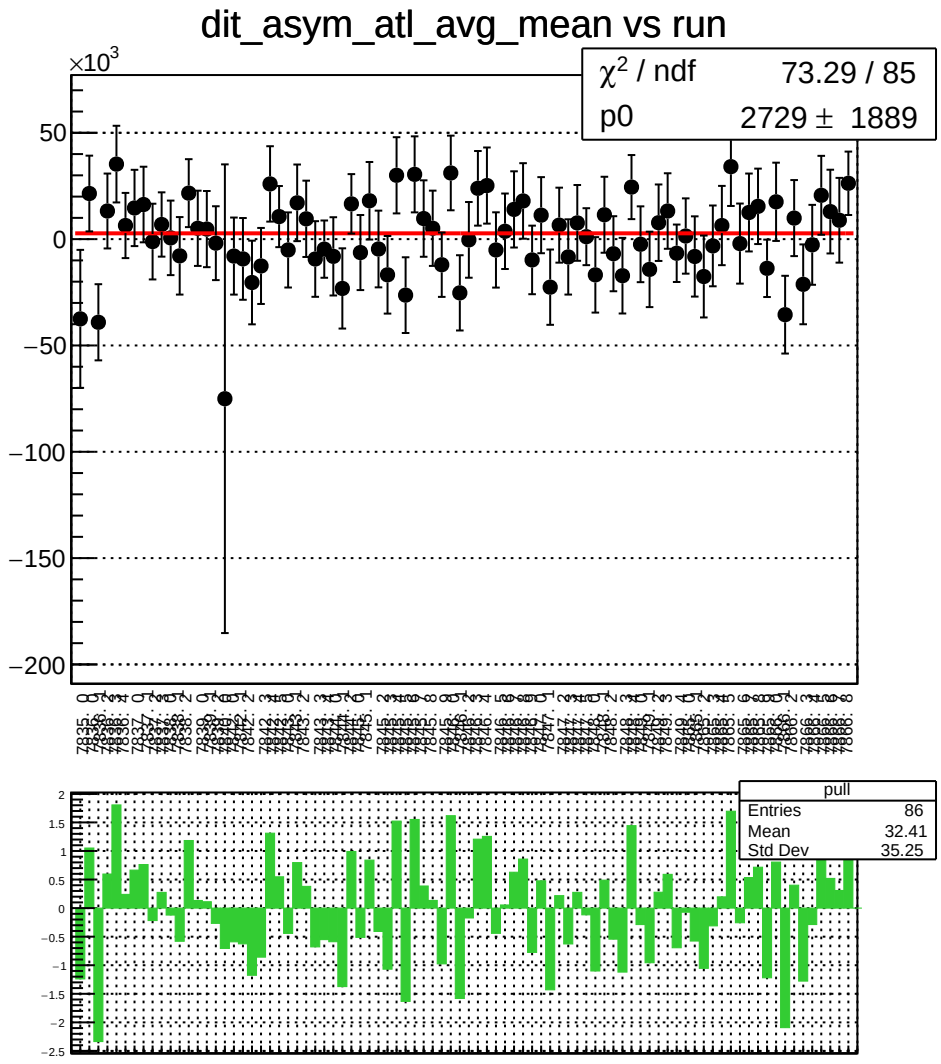


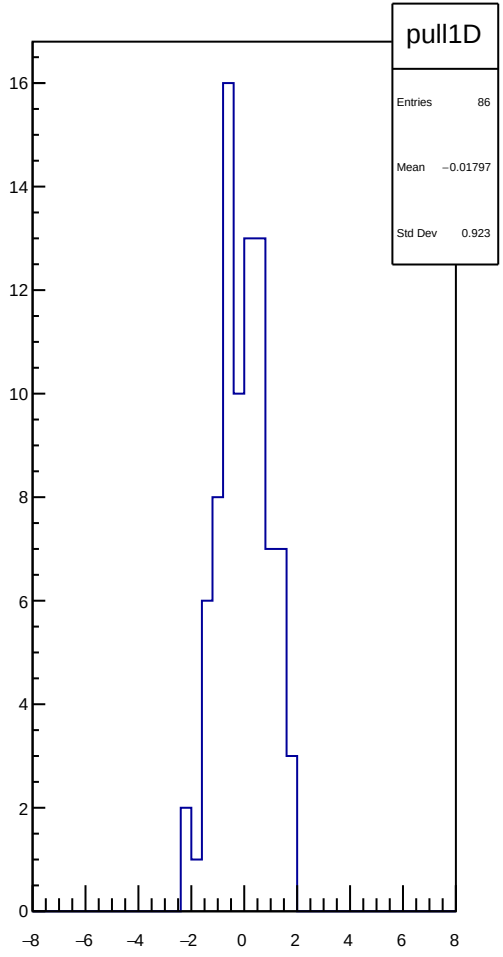

asym_at2_dd_mean vs run
×10^3
χ^2 / ndf 80.79 / 85
p0 3683 ± 4119
pull
Entries 86
Mean 292.1
Std Dev 253.3


pull1D
Entries 86
Mean −0.004847
Std Dev 0.9692

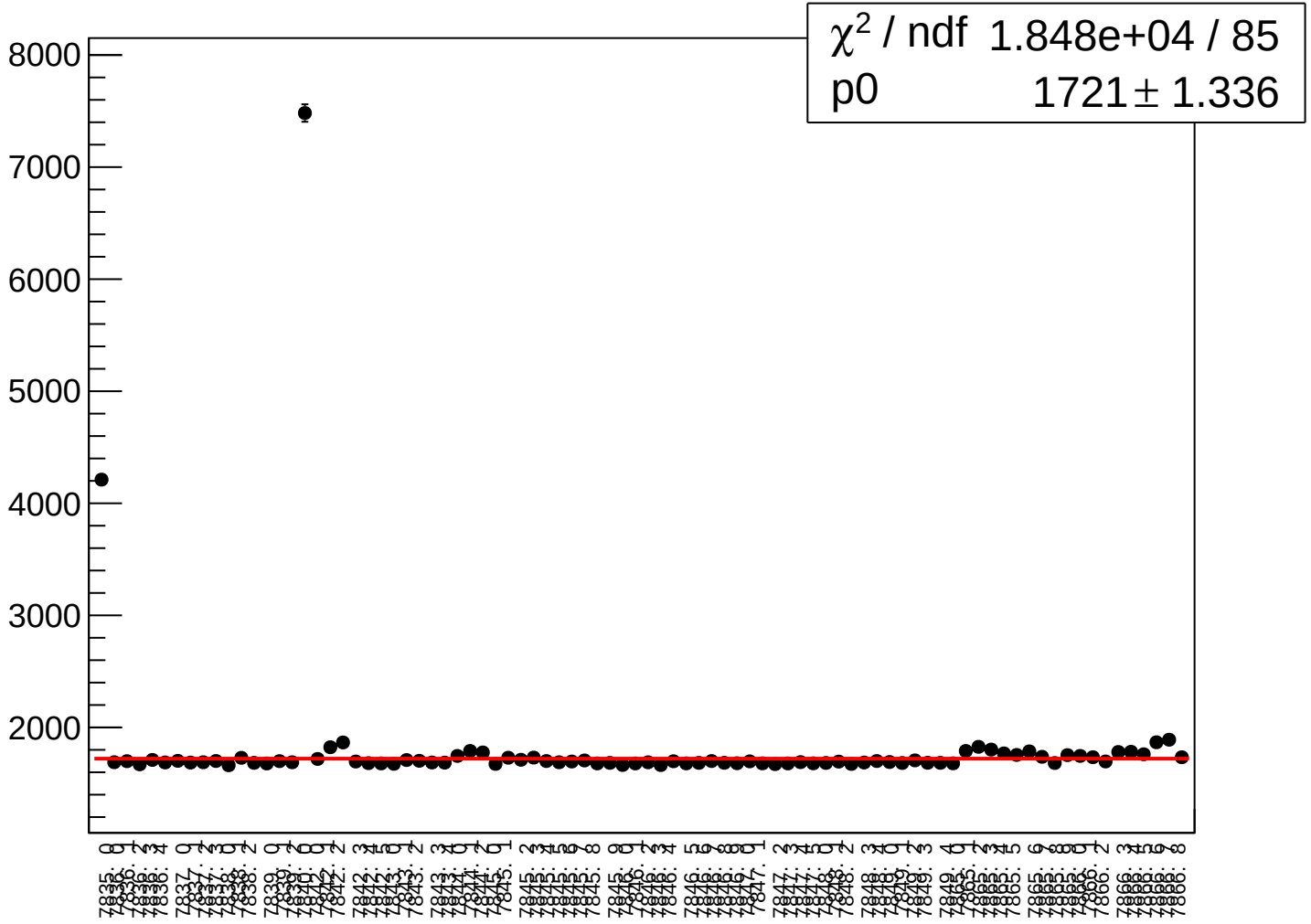
asym_at2_dd_rms vs run

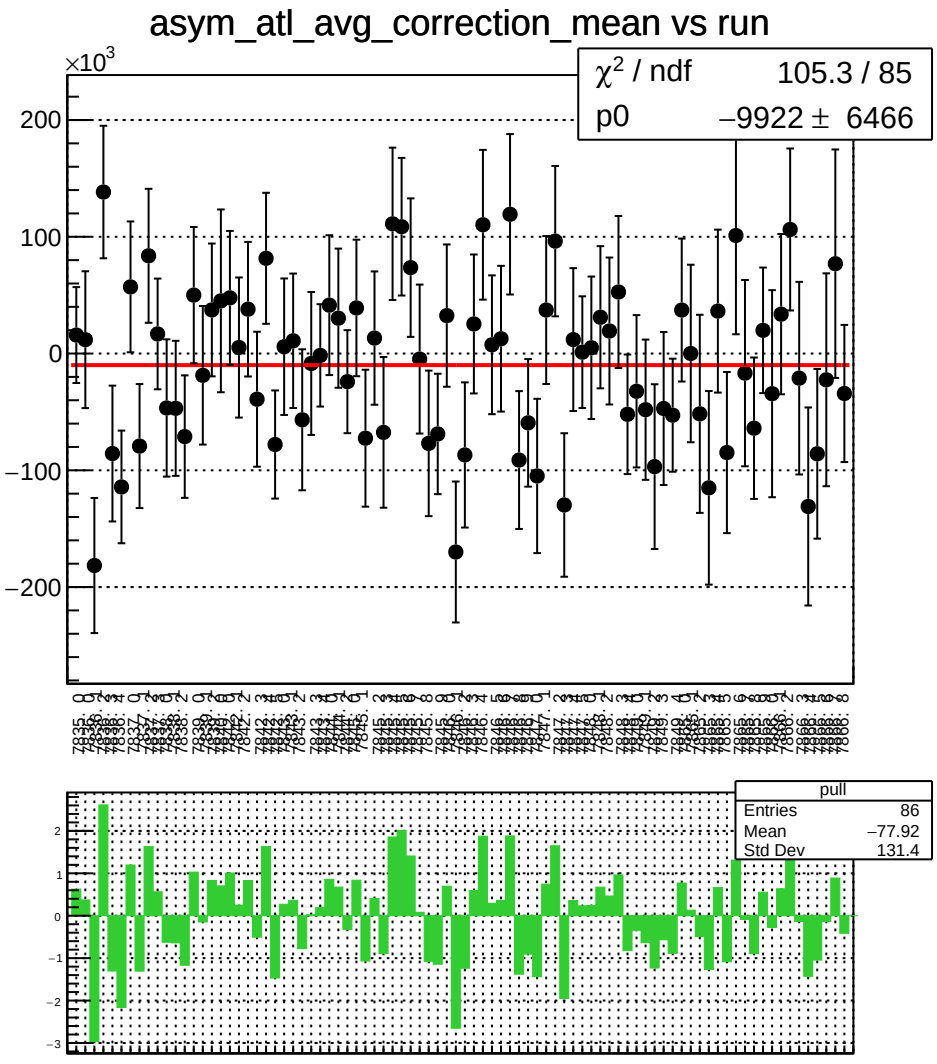


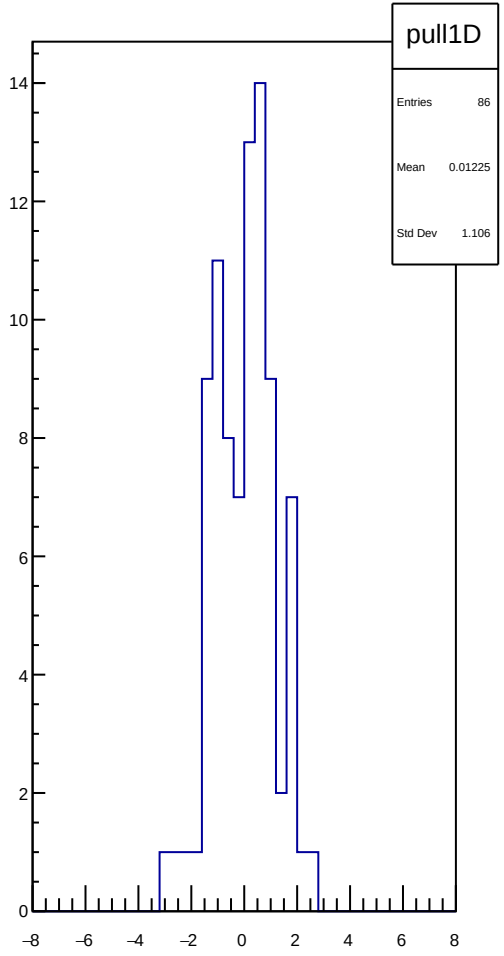

dit_asym_atl_avg_mean vs run
×10^3
χ² / ndf 73.29 / 85
p0 2729 ± 1889
pull
Entries 86
Mean 32.41
Std Dev 35.25


pull1D
Entries 86
Mean −0.01797
Std Dev 0.923

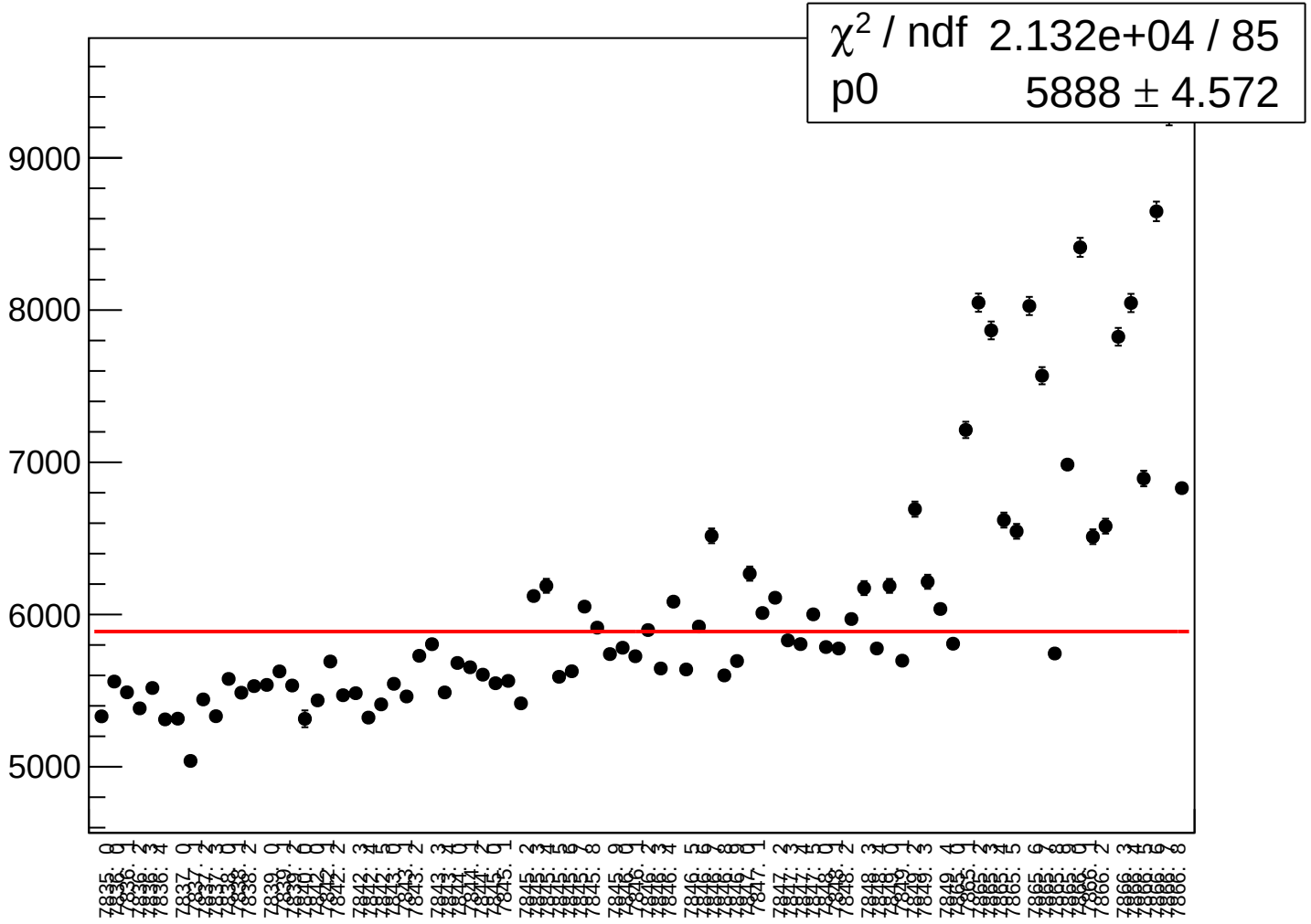
dit_asym_atl_avg_rms vs run

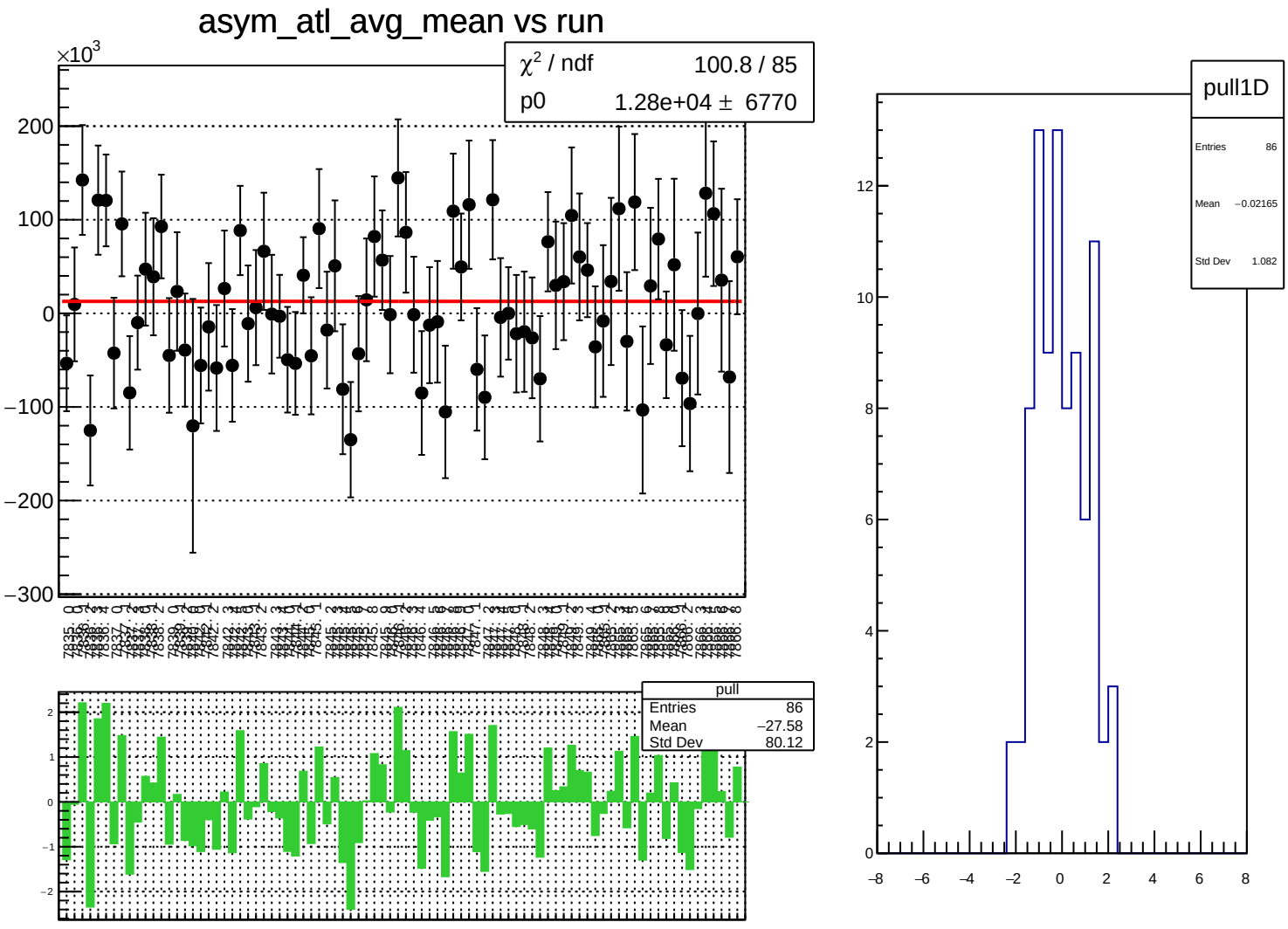



asym_atl_avg_correction_mean vs run
×10^3
χ^2 / ndf 105.3 / 85
p0 −9922 ± 6466
200
100
0
−100
−200
pull
Entries 86
Mean −77.92
Std Dev 131.4
2
1
0
−1
−2
−3

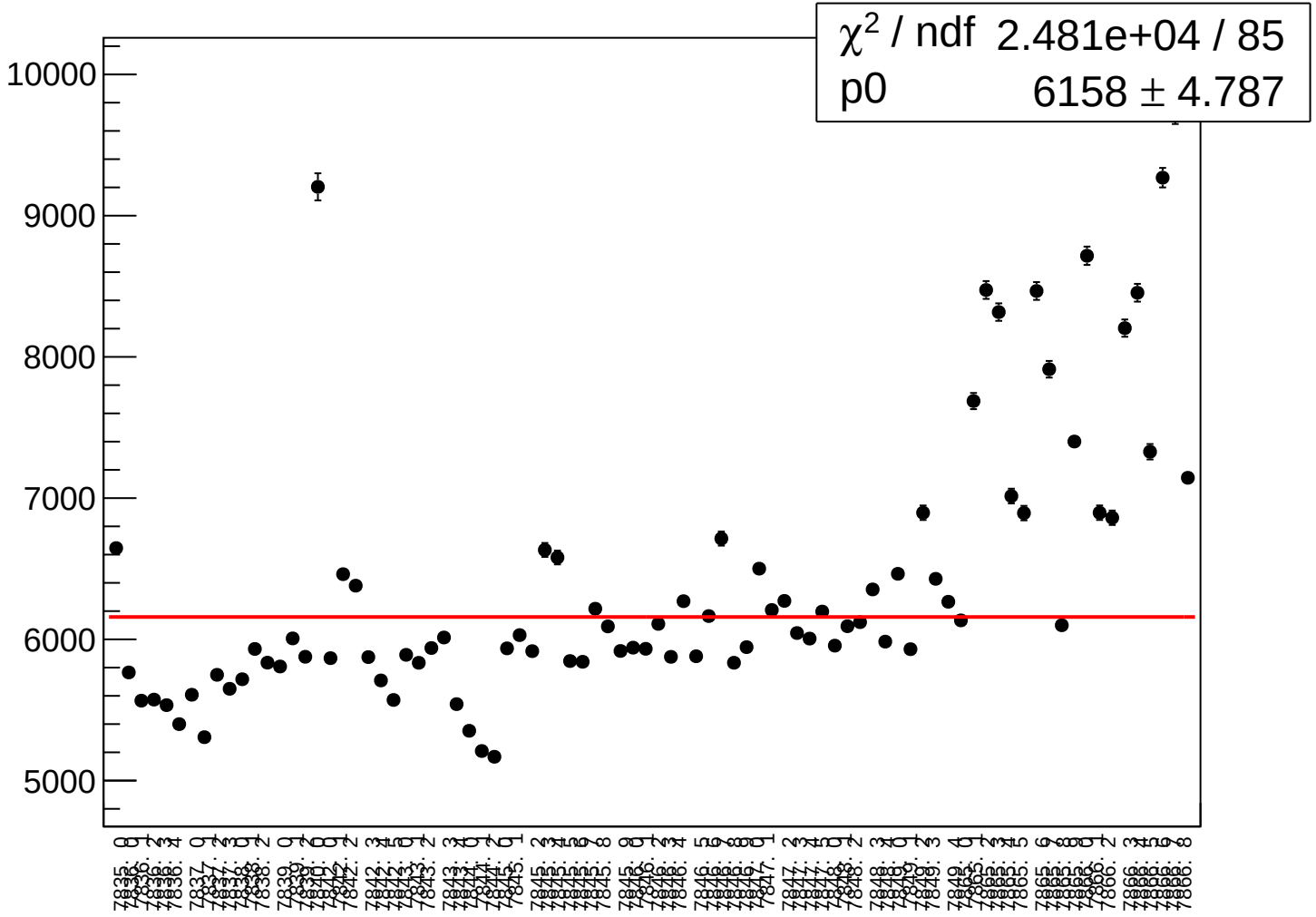

pull1D
Entries 86
Mean 0.01225
Std Dev 1.106
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

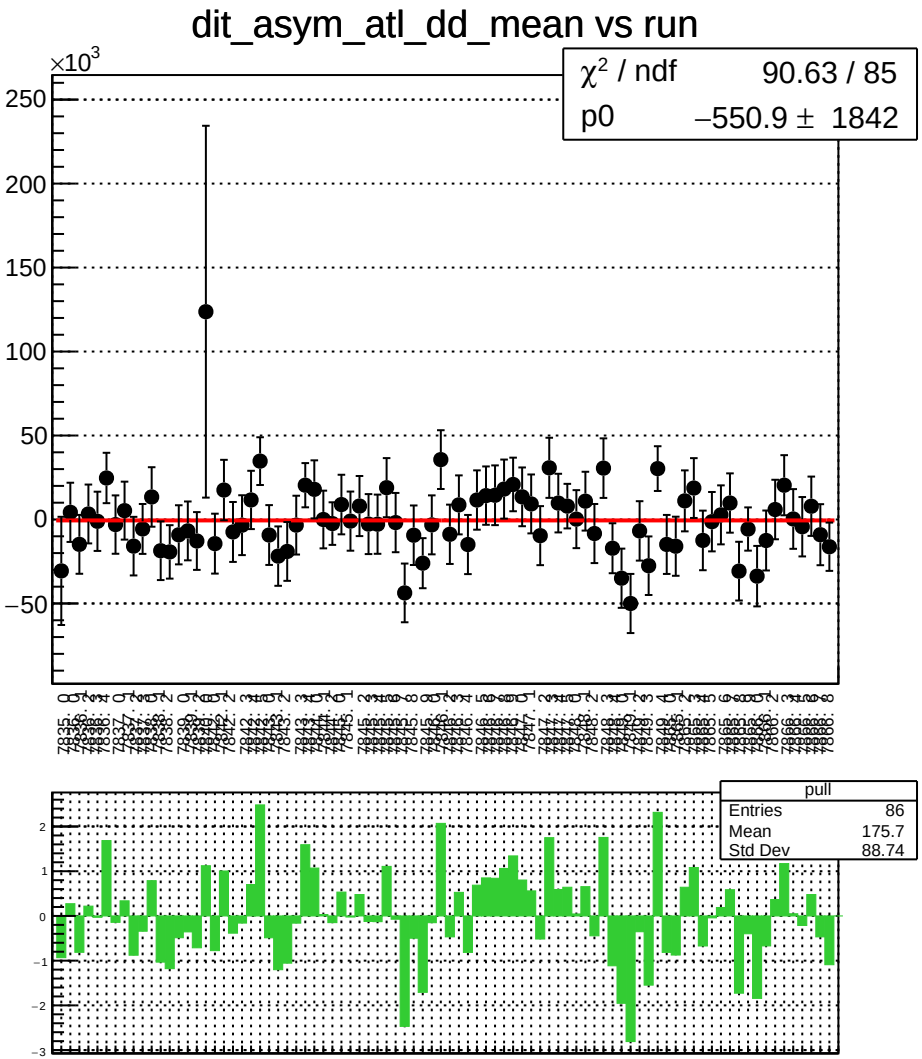
asym_atl_avg_correction_rms vs run

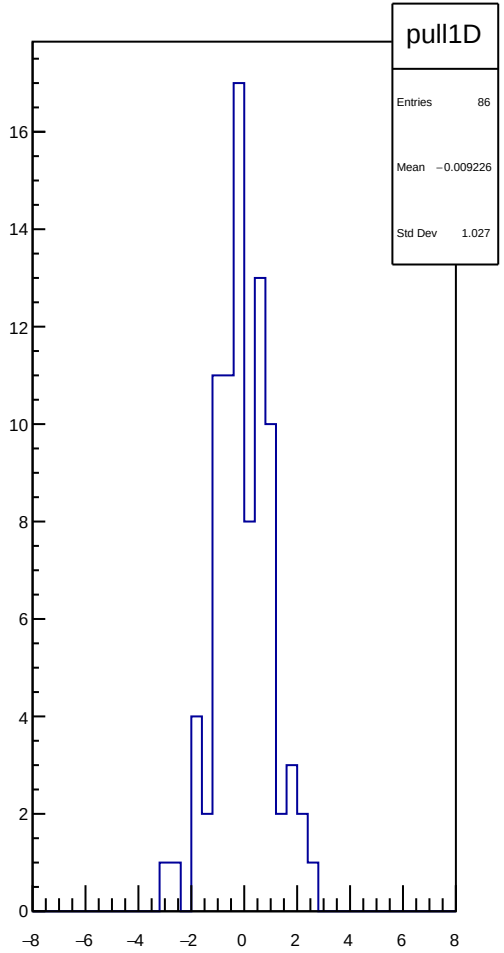



asym_atl_avg_mean vs run
×10^3
χ² / ndf 100.8 / 85
p0 1.28e+04 ± 6770
pull
Entries 86
Mean −27.58
Std Dev 80.12
pull1D
Entries 86
Mean −0.02165
Std Dev 1.082

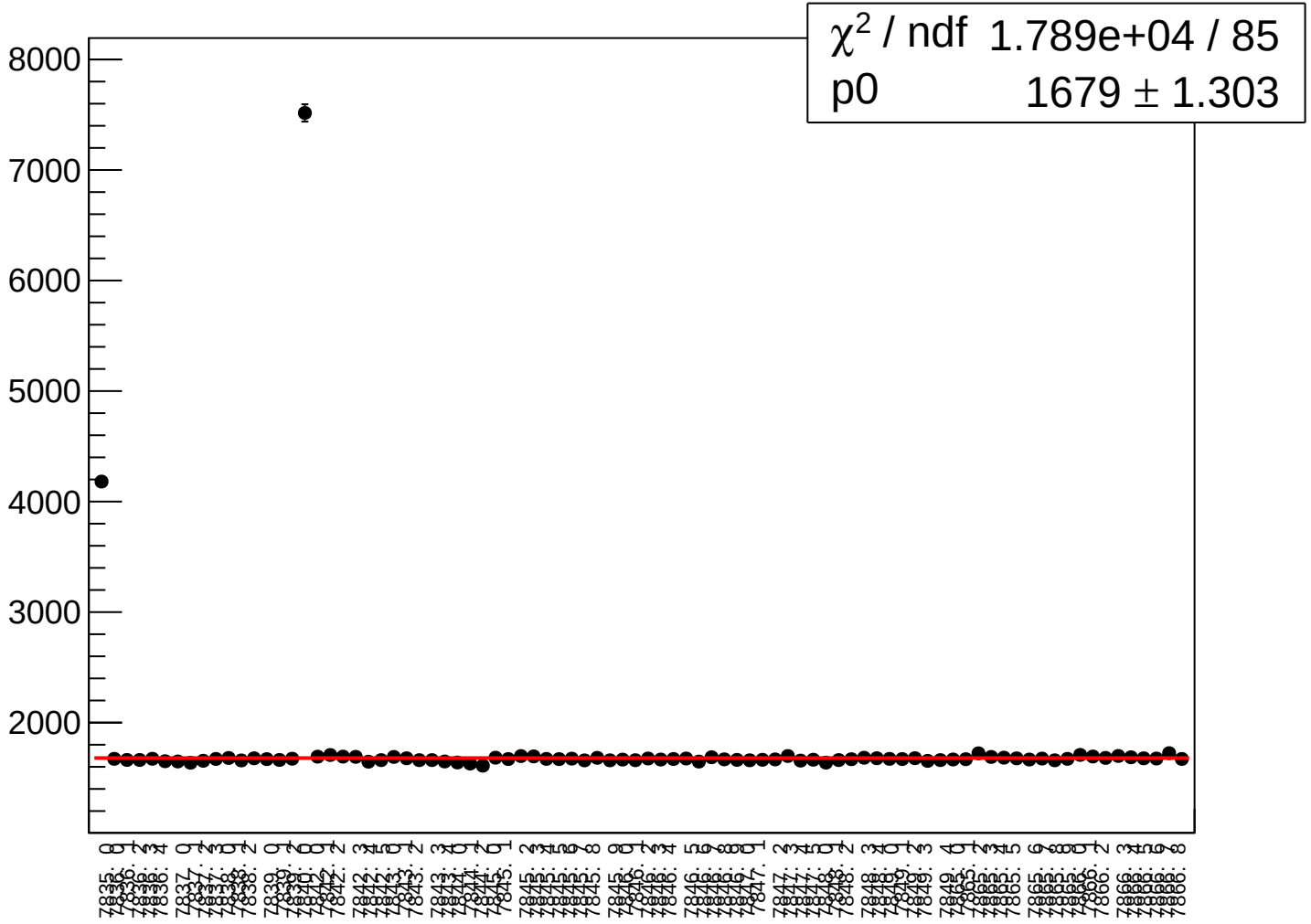
asym_atl_avg_rms vs run

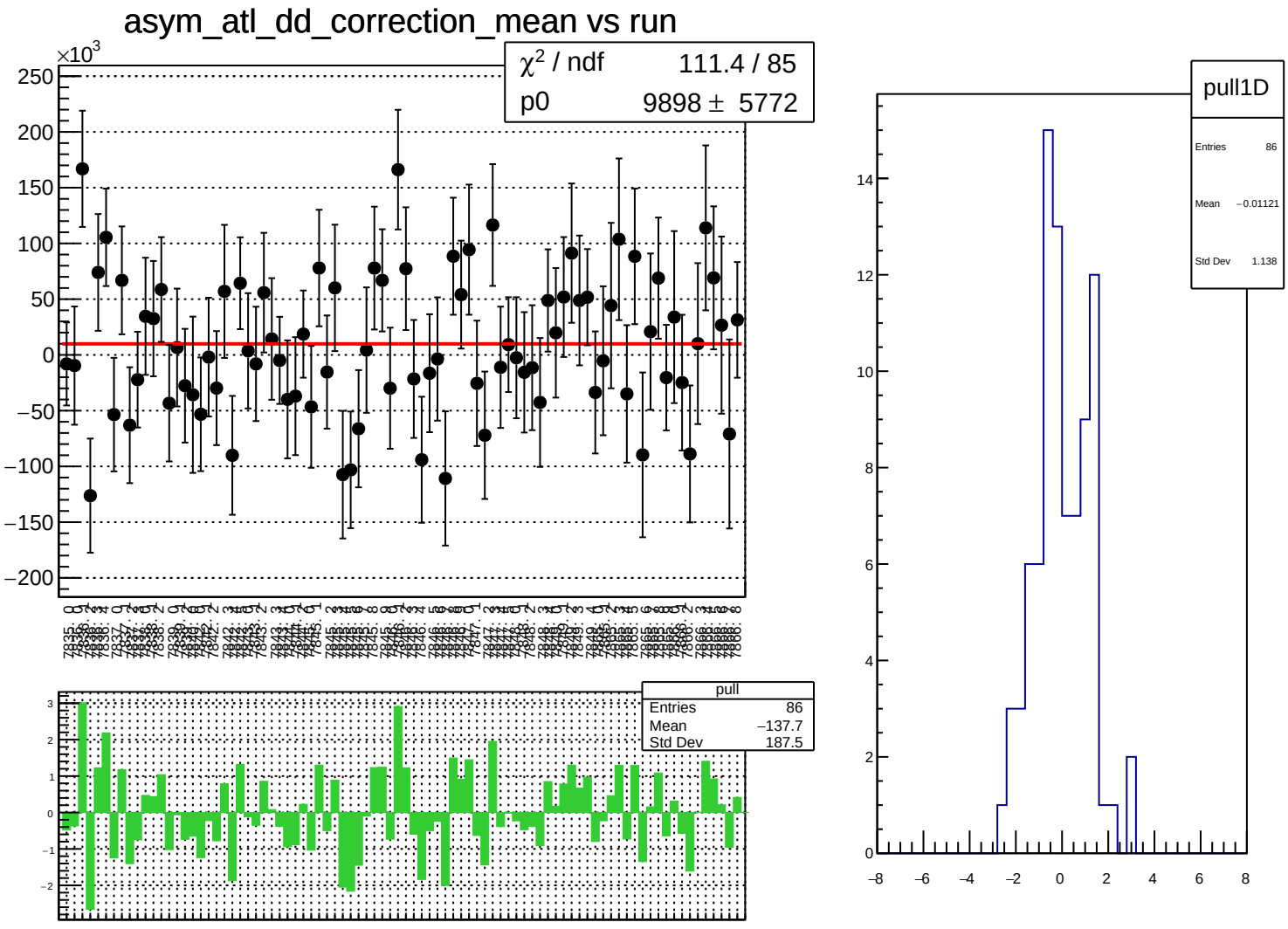



dit_asym_atl_dd_mean vs run
×10^3
χ² / ndf 90.63 / 85
p0 −550.9 ± 1842
pull
Entries 86
Mean 175.7
Std Dev 88.74

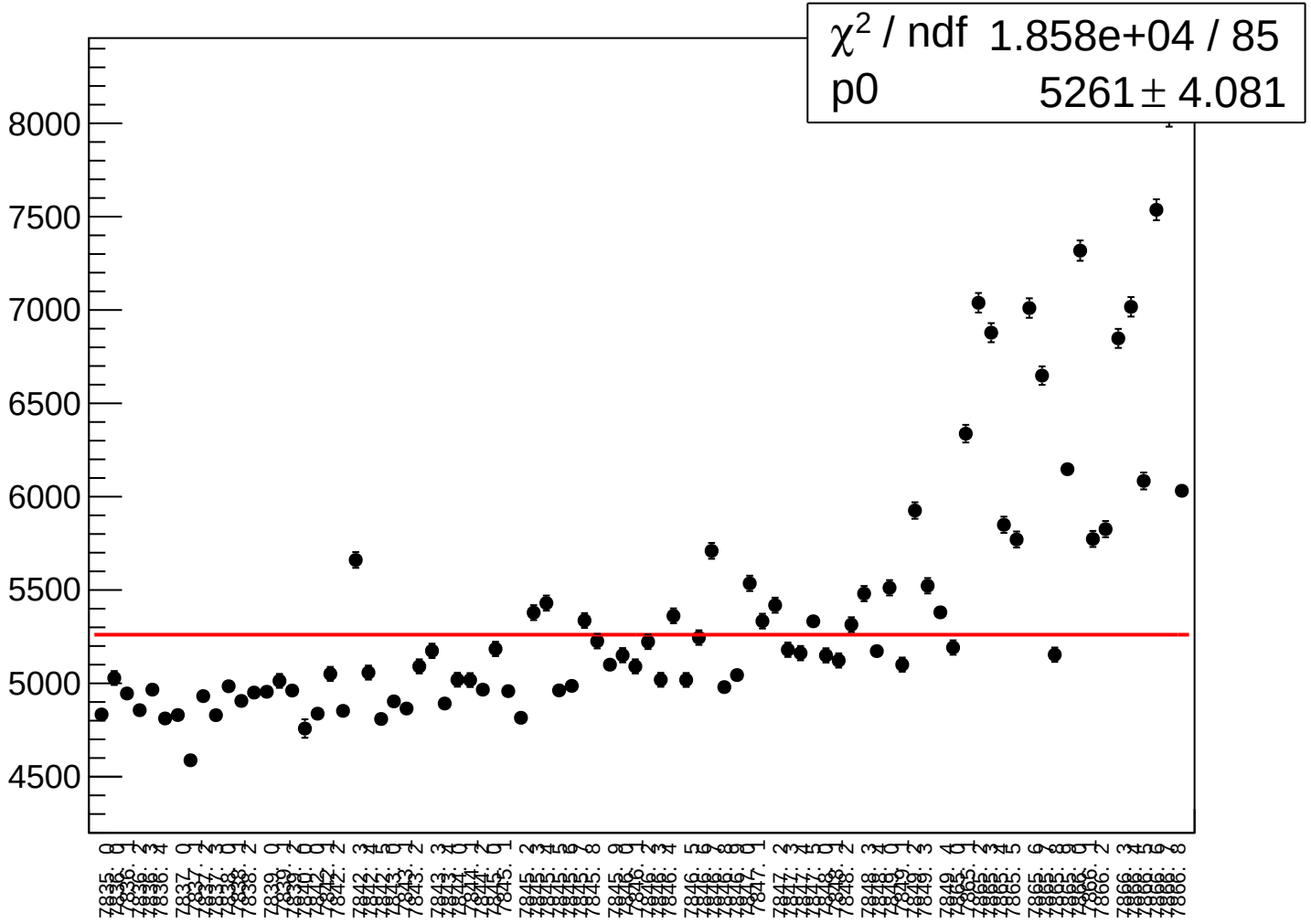

pull1D
Entries 86
Mean −0.009226
Std Dev 1.027

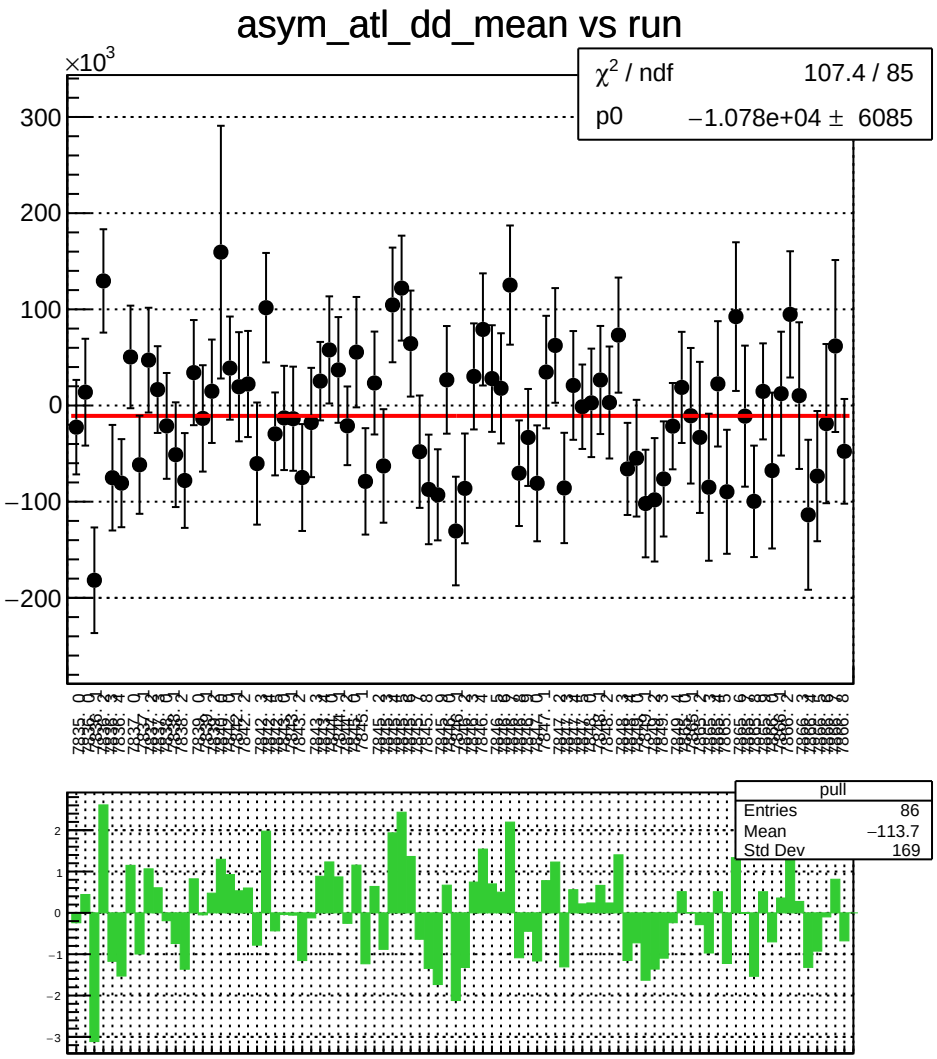
dit_asym_atl_dd_rms vs run

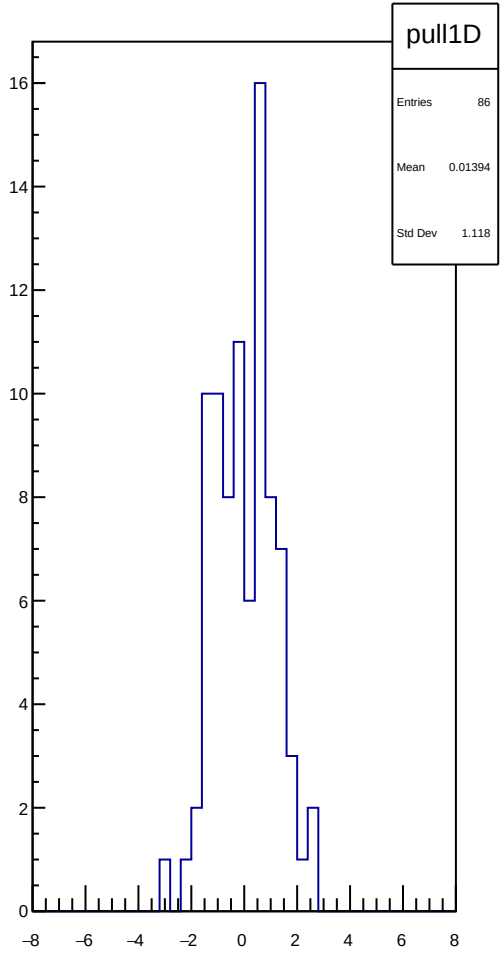



asym_atl_dd_correction_mean vs run
χ^2 / ndf 111.4 / 85
p0 9898 ± 5772
×10^3
pull
Entries 86
Mean −137.7
Std Dev 187.5
pull1D
Entries 86
Mean −0.01121
Std Dev 1.138

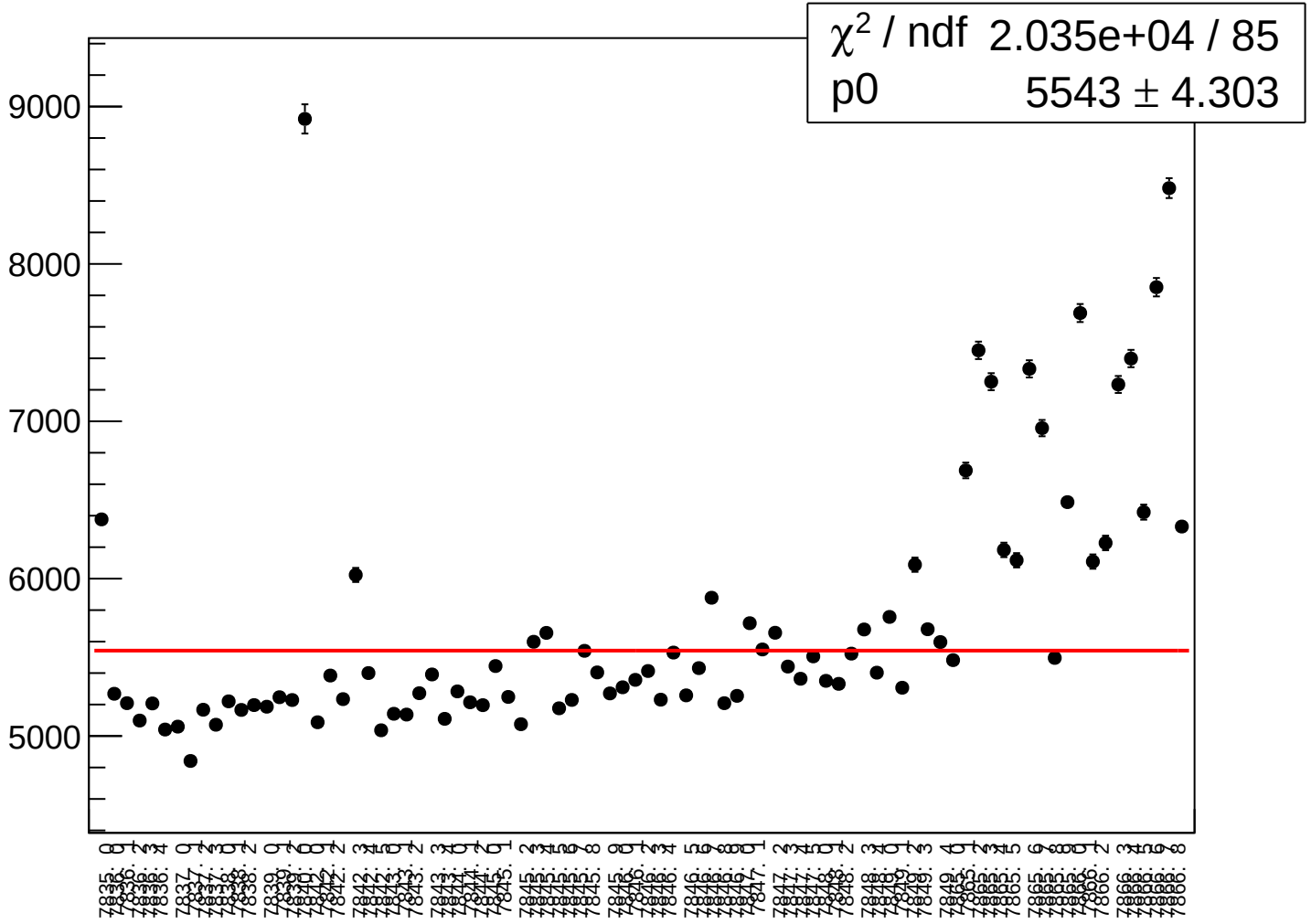
asym_atl_dd_correction_rms vs run

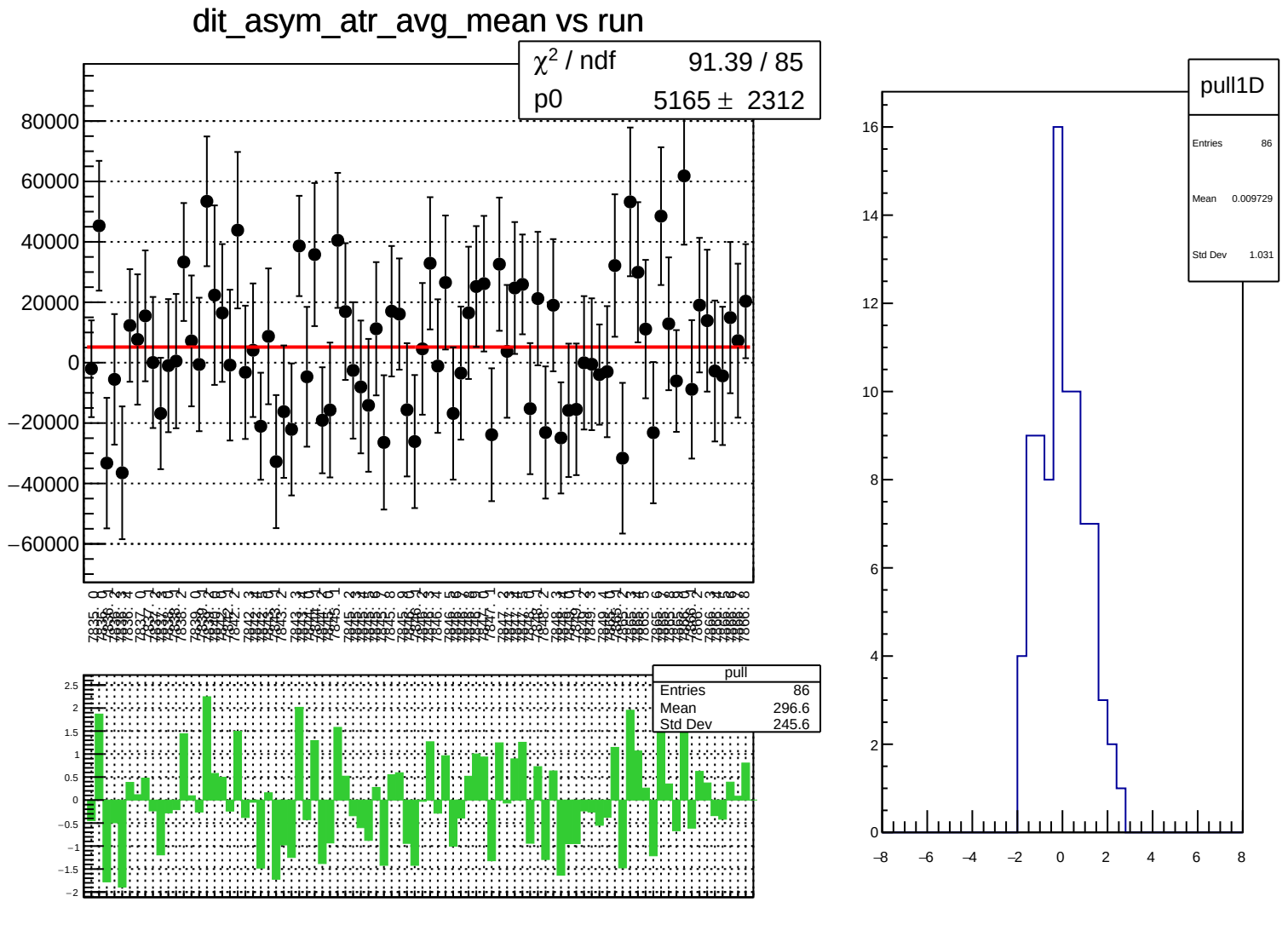


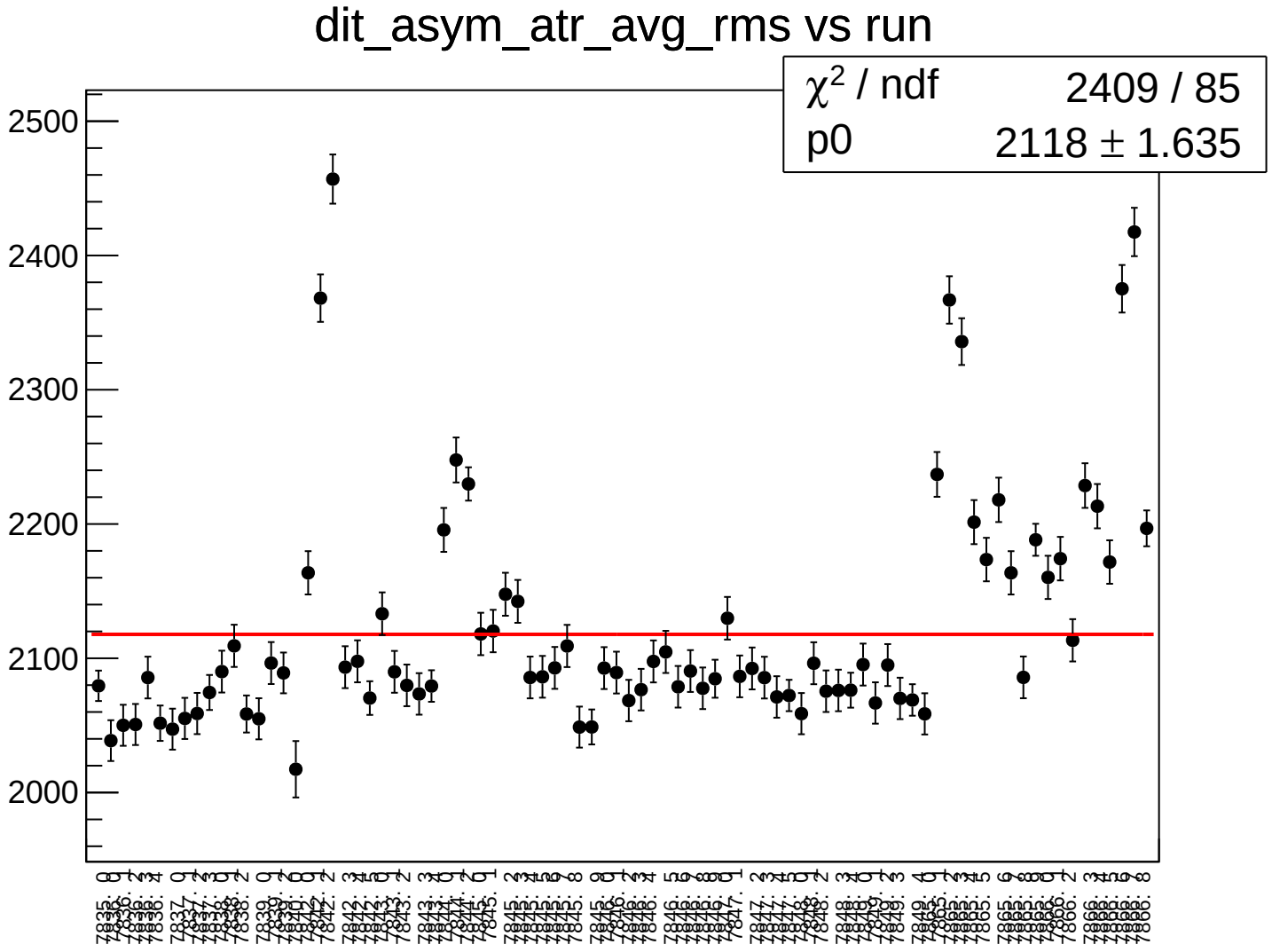

asym_atl_dd_mean vs run
×10^3
χ² / ndf 107.4 / 85
p0 −1.078e+04 ± 6085
300
200
100
0
−100
−200
pull
Entries 86
Mean −113.7
Std Dev 169
2
1
0
−1
−2
−3

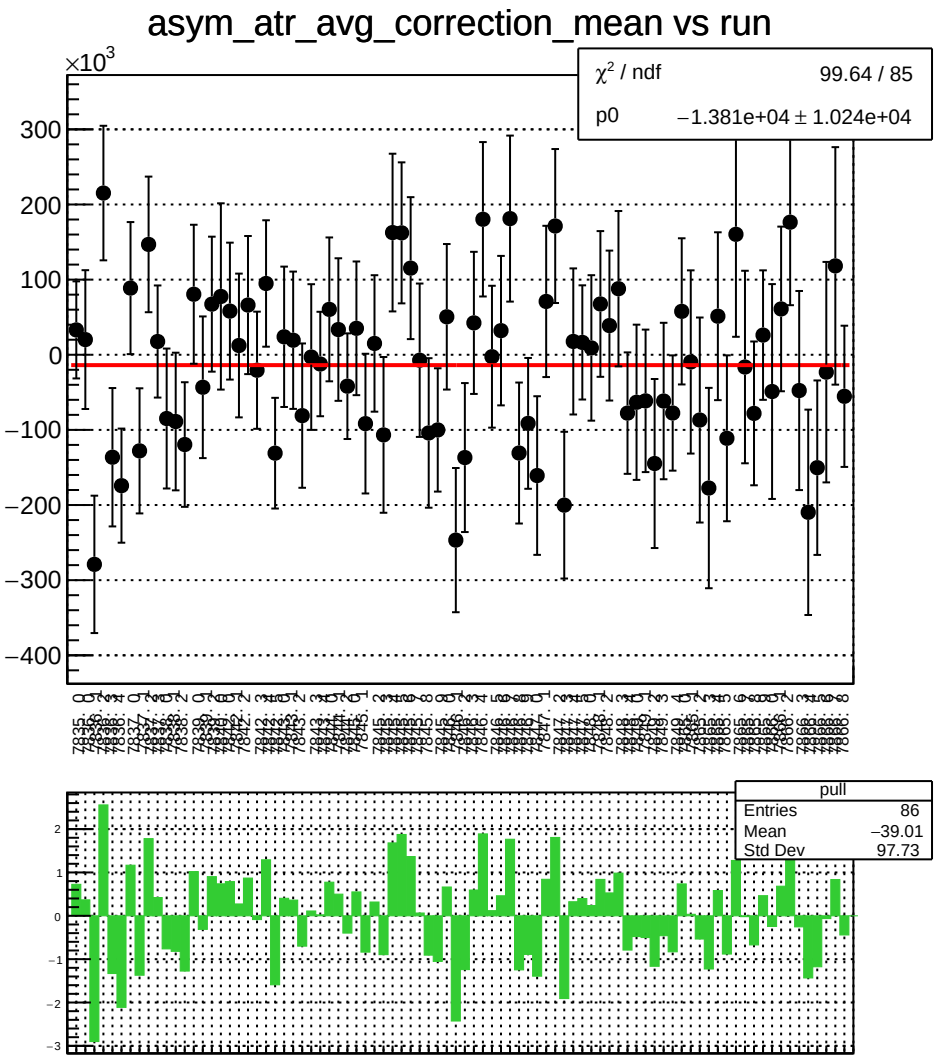

pull1D
Entries 86
Mean 0.01394
Std Dev 1.118
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

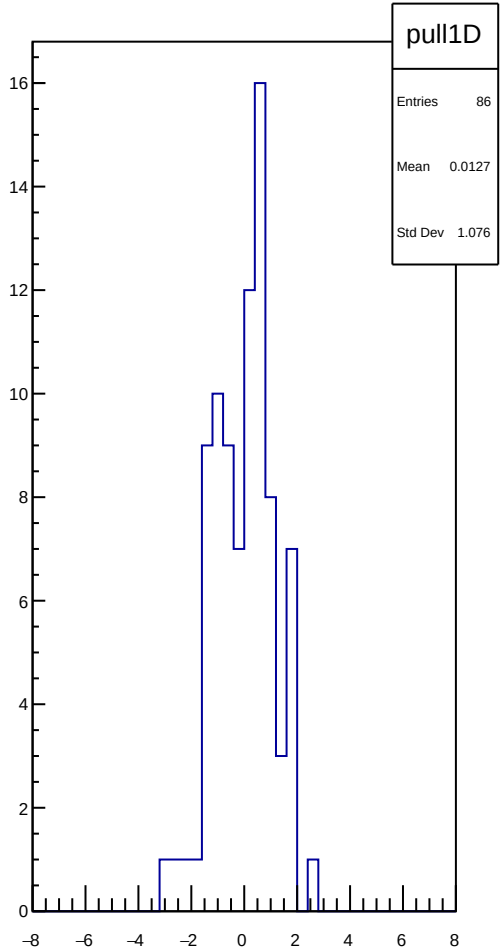
asym_atl_dd_rms vs run



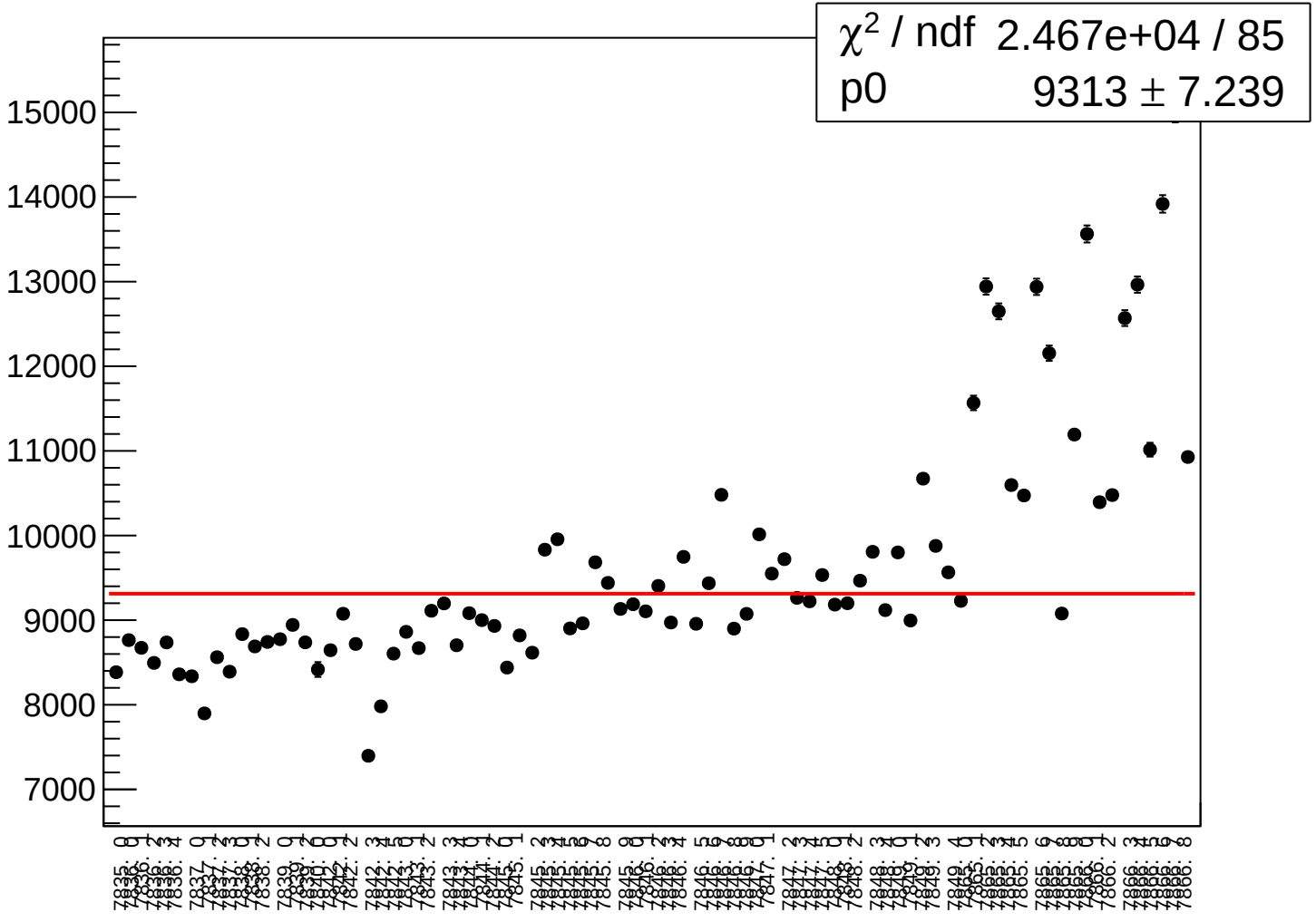

dit_asym_atr_avg_mean vs run
χ² / ndf 91.39 / 85
p0 5165 ± 2312
pull
Entries 86
Mean 296.6
Std Dev 245.6
pull1D
Entries 86
Mean 0.009729
Std Dev 1.031

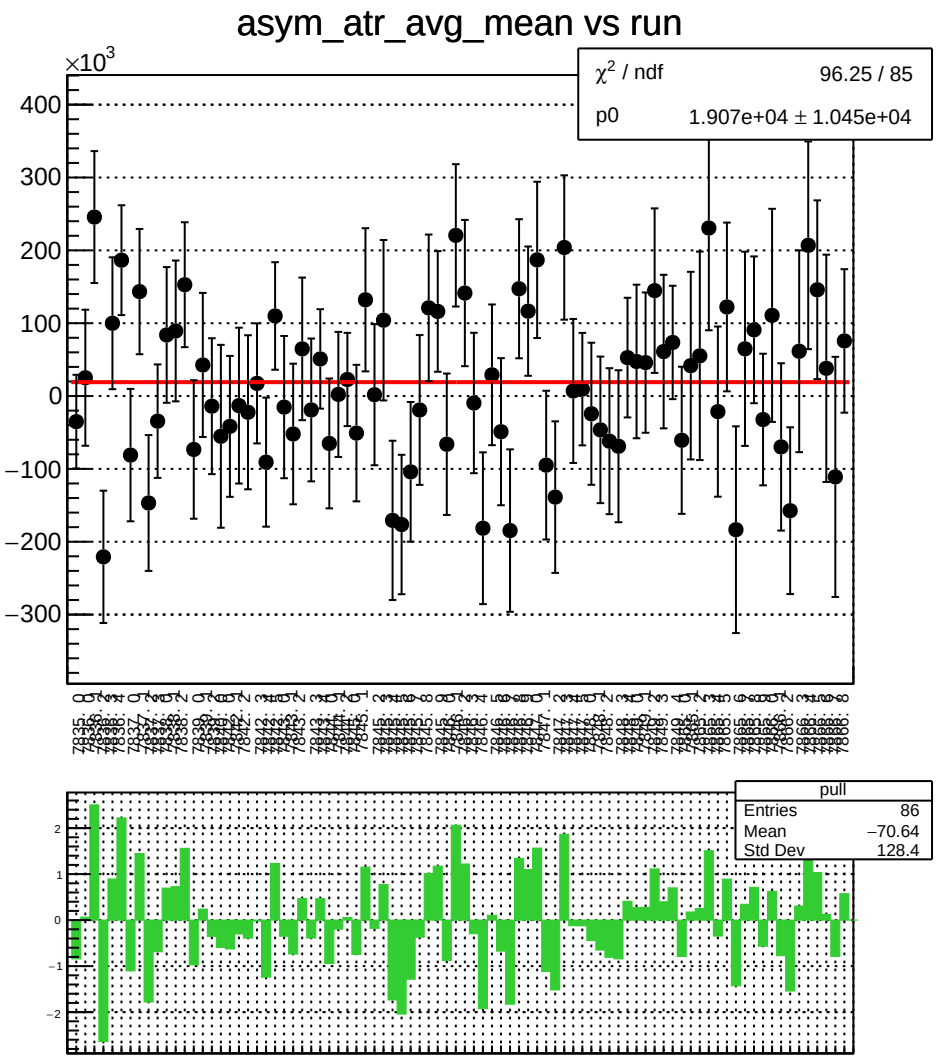

dit_asym_atr_avg_rms vs run
χ² / ndf 2409 / 85
p0 2118 ± 1.635
2500
2400
2300
2200
2100
2000

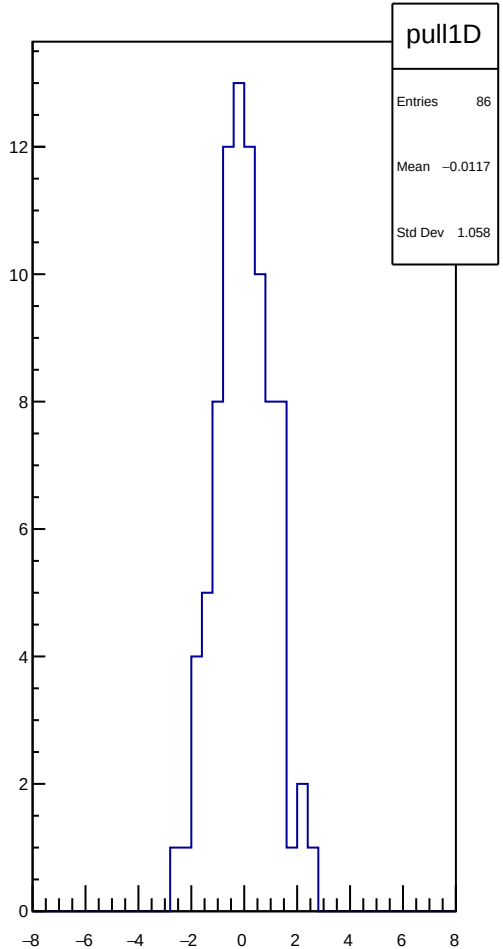

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 99.64 / 85
p0 −1.381e+04 ± 1.024e+04
pull
Entries 86
Mean −39.01
Std Dev 97.73


pull1D
Entries 86
Mean 0.0127
Std Dev 1.076

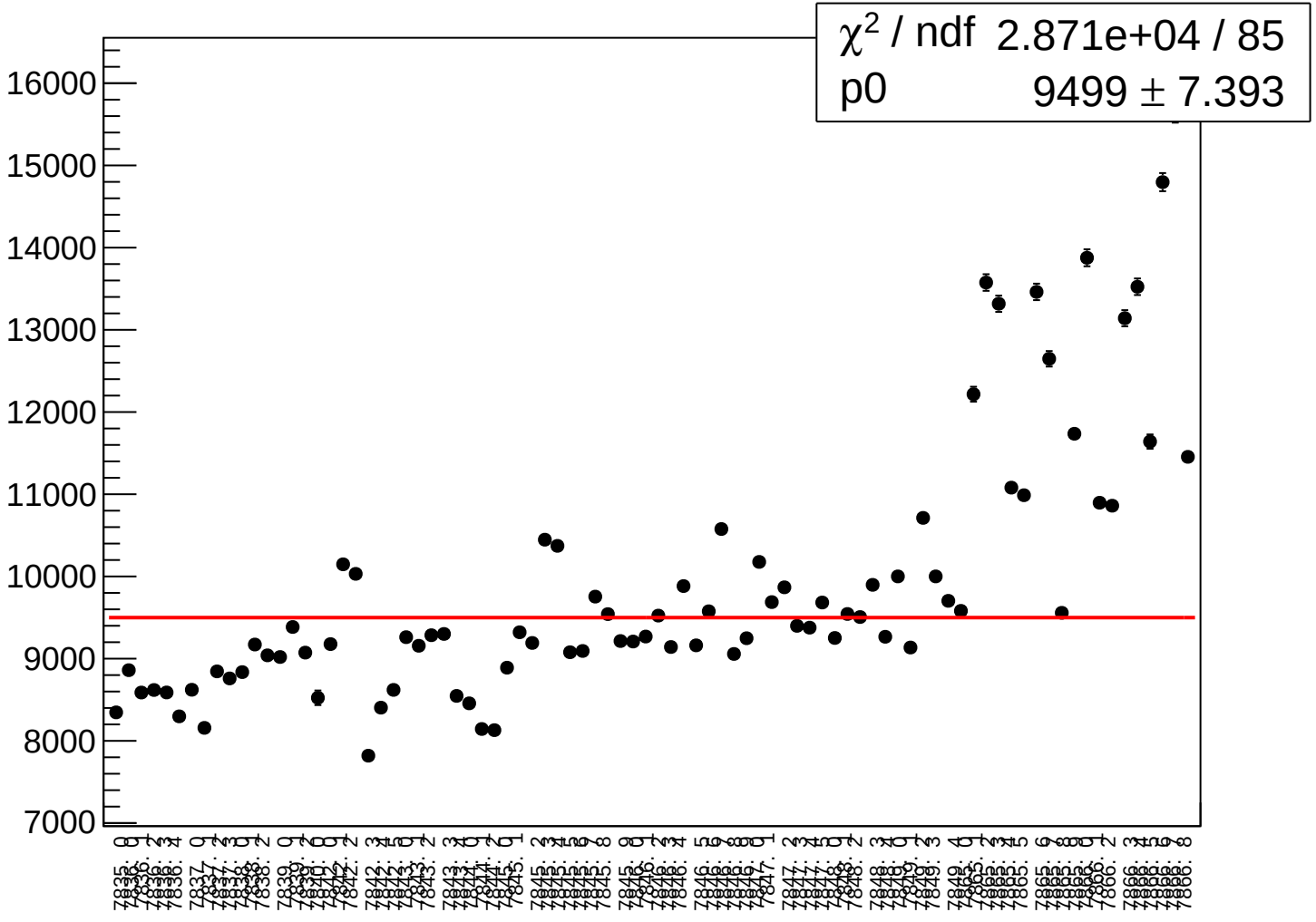
asym_atr_avg_correction_rms vs run

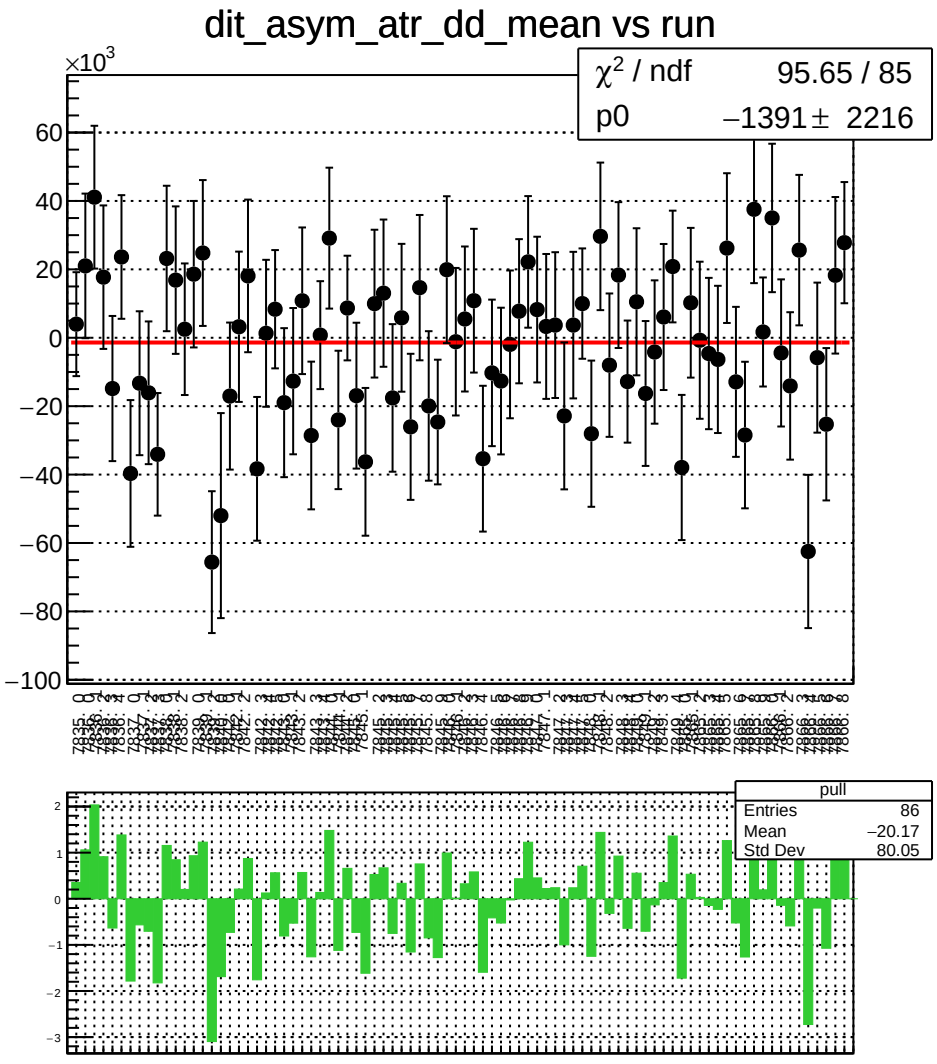


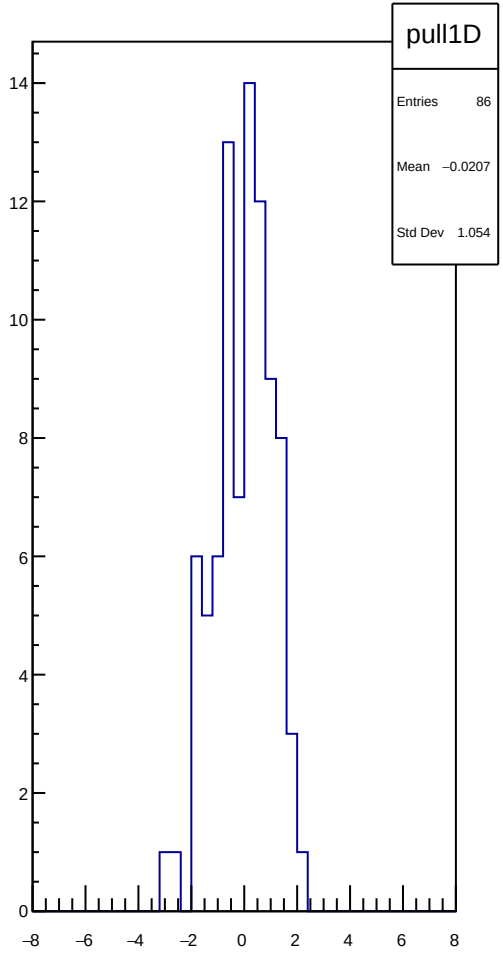

asym_atr_avg_mean vs run
×10^3
χ² / ndf 96.25 / 85
p0 1.907e+04 ± 1.045e+04
pull
Entries 86
Mean −70.64
Std Dev 128.4

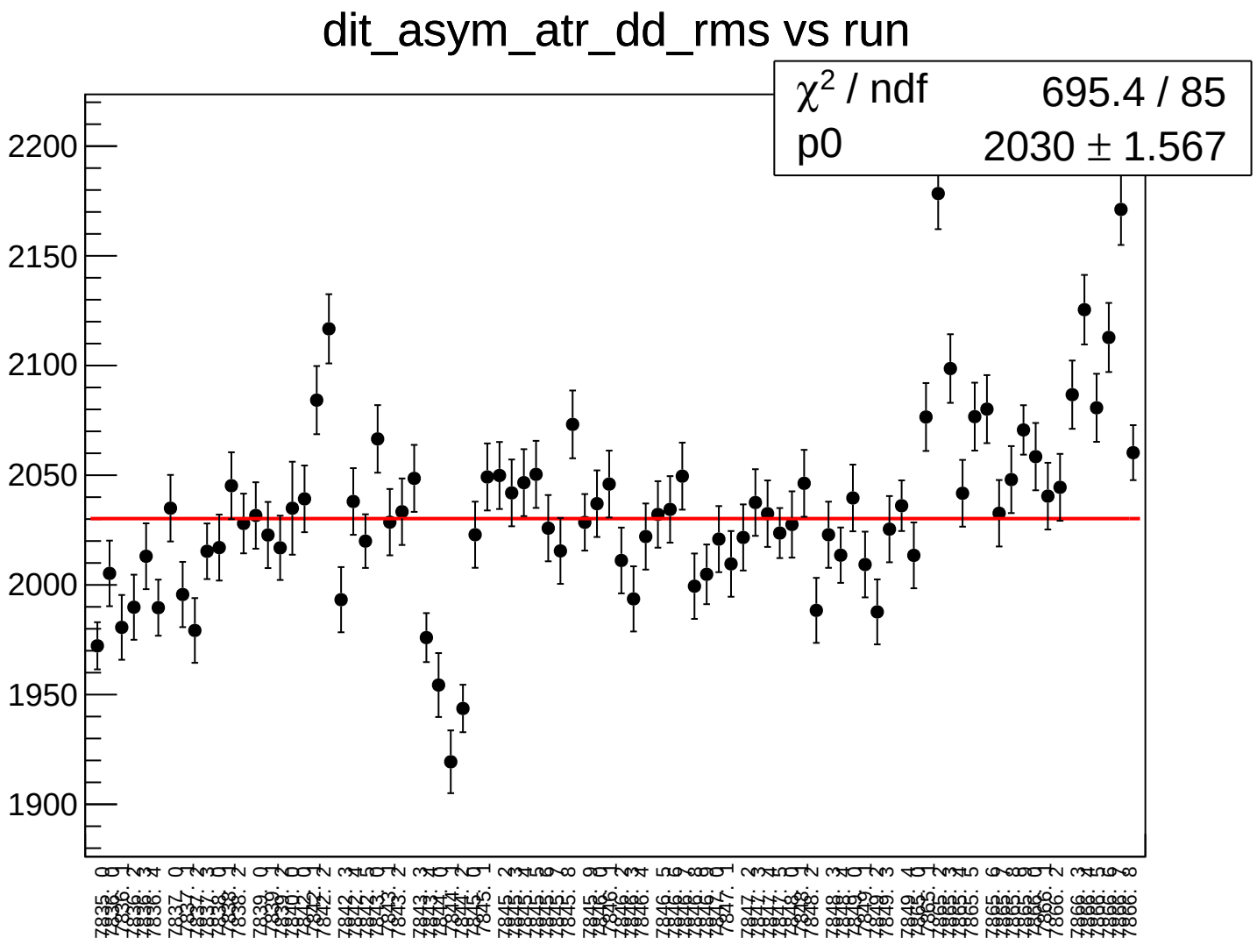

pull1D
Entries 86
Mean −0.0117
Std Dev 1.058

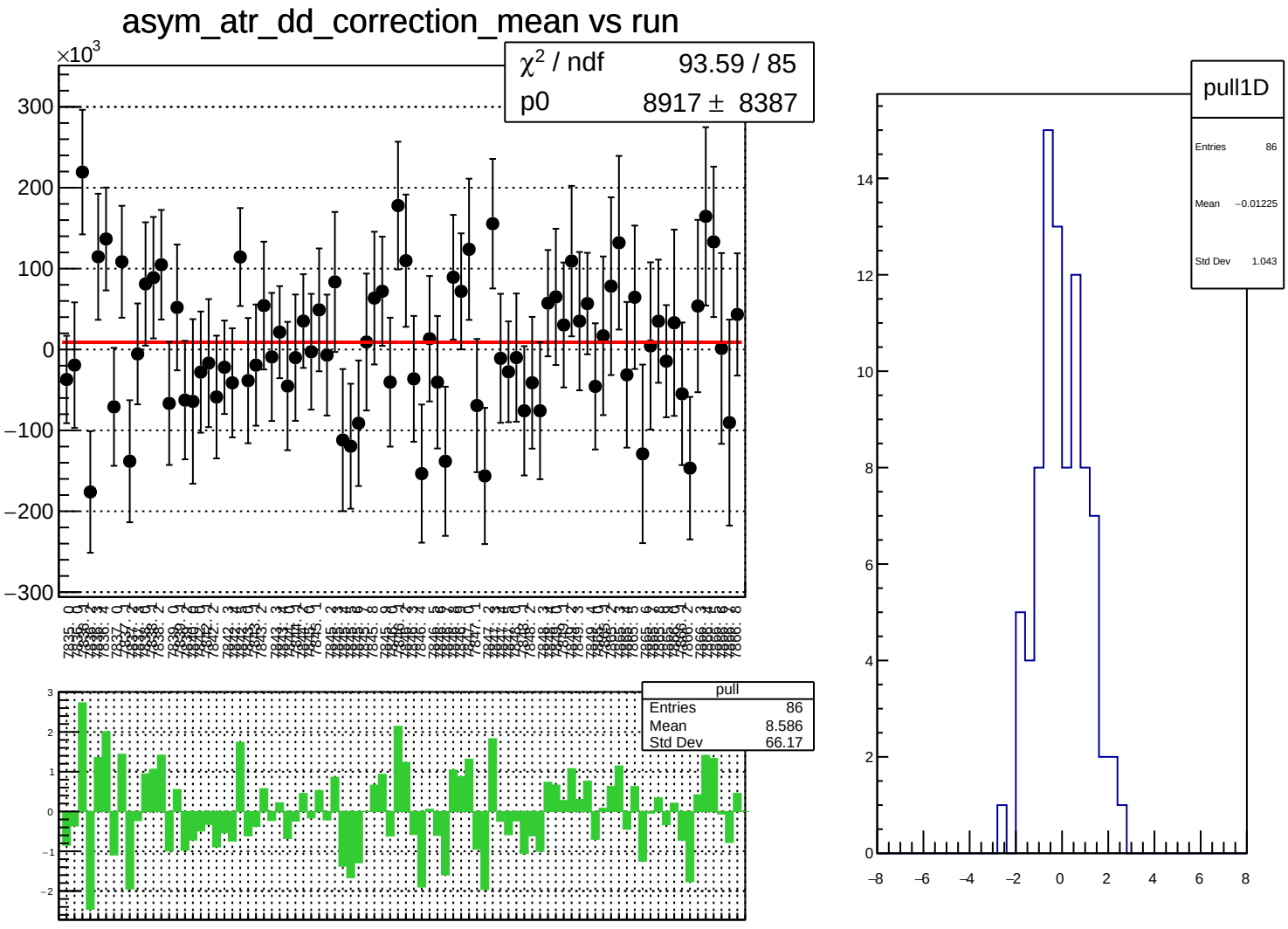
asym_atr_avg_rms vs run

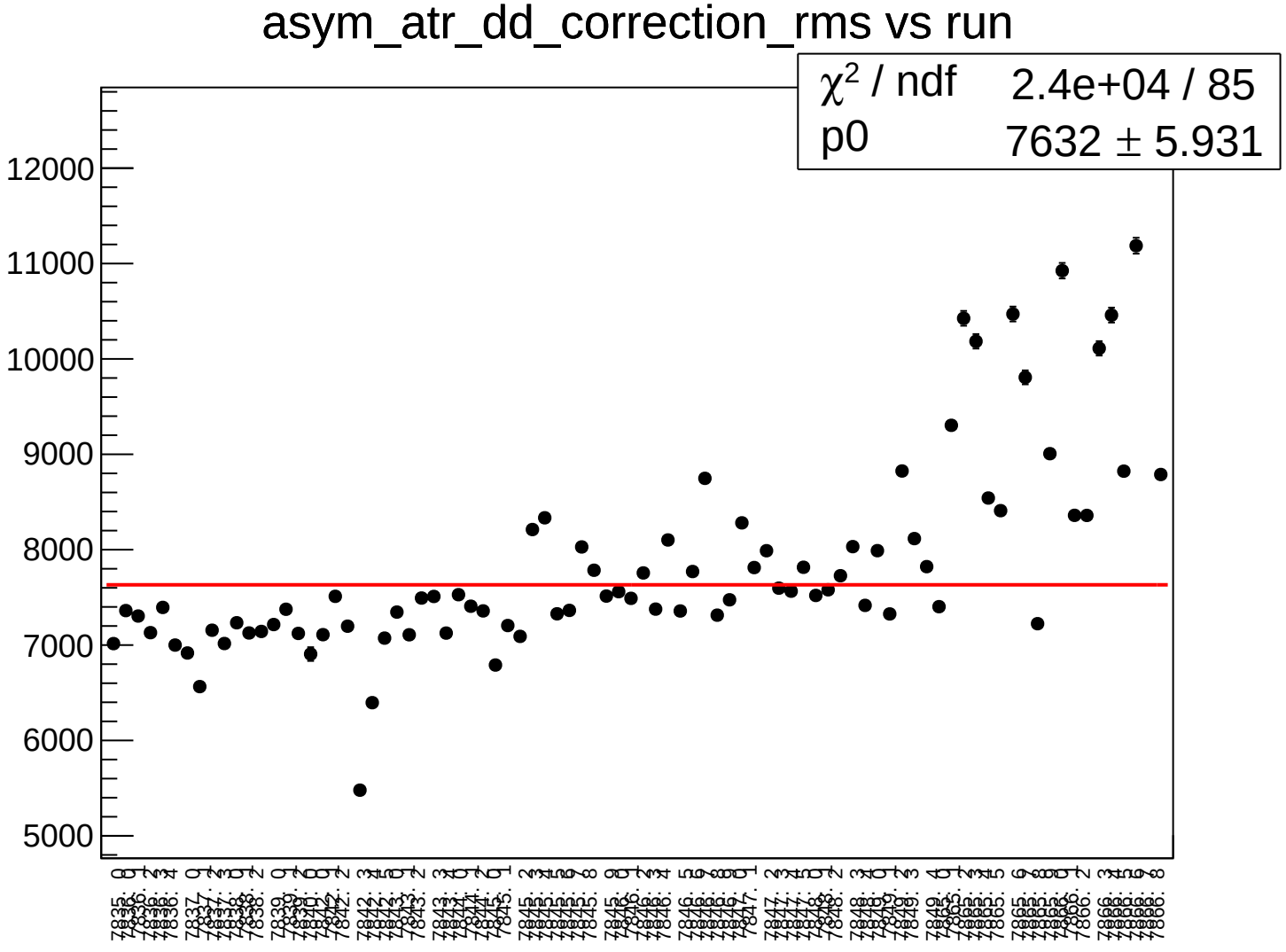


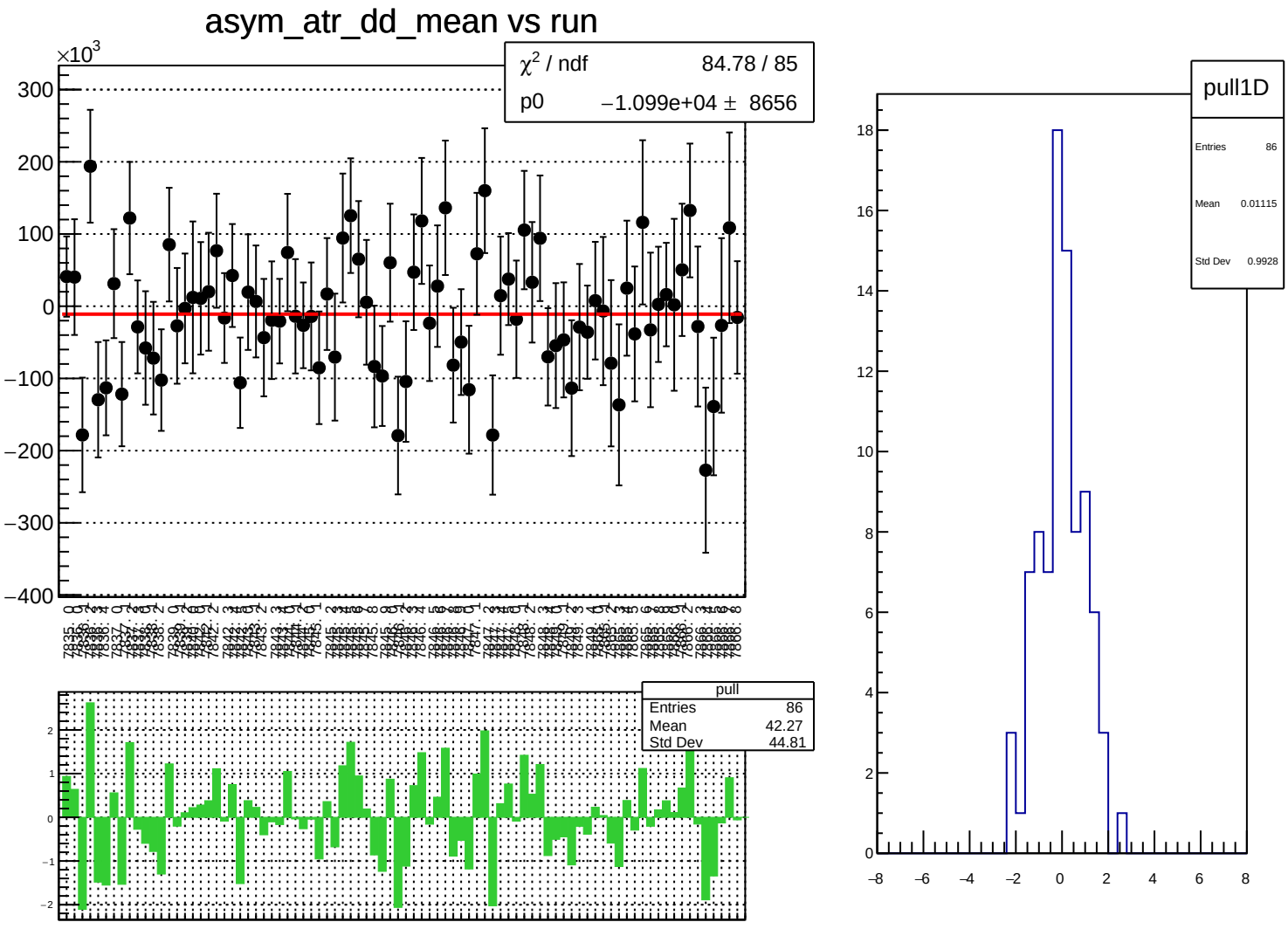

dit_asym_atr_dd_mean vs run
×10^3
χ² / ndf 95.65 / 85
p0 −1391 ± 2216
pull
Entries 86
Mean −20.17
Std Dev 80.05


pull1D
Entries 86
Mean −0.0207
Std Dev 1.054

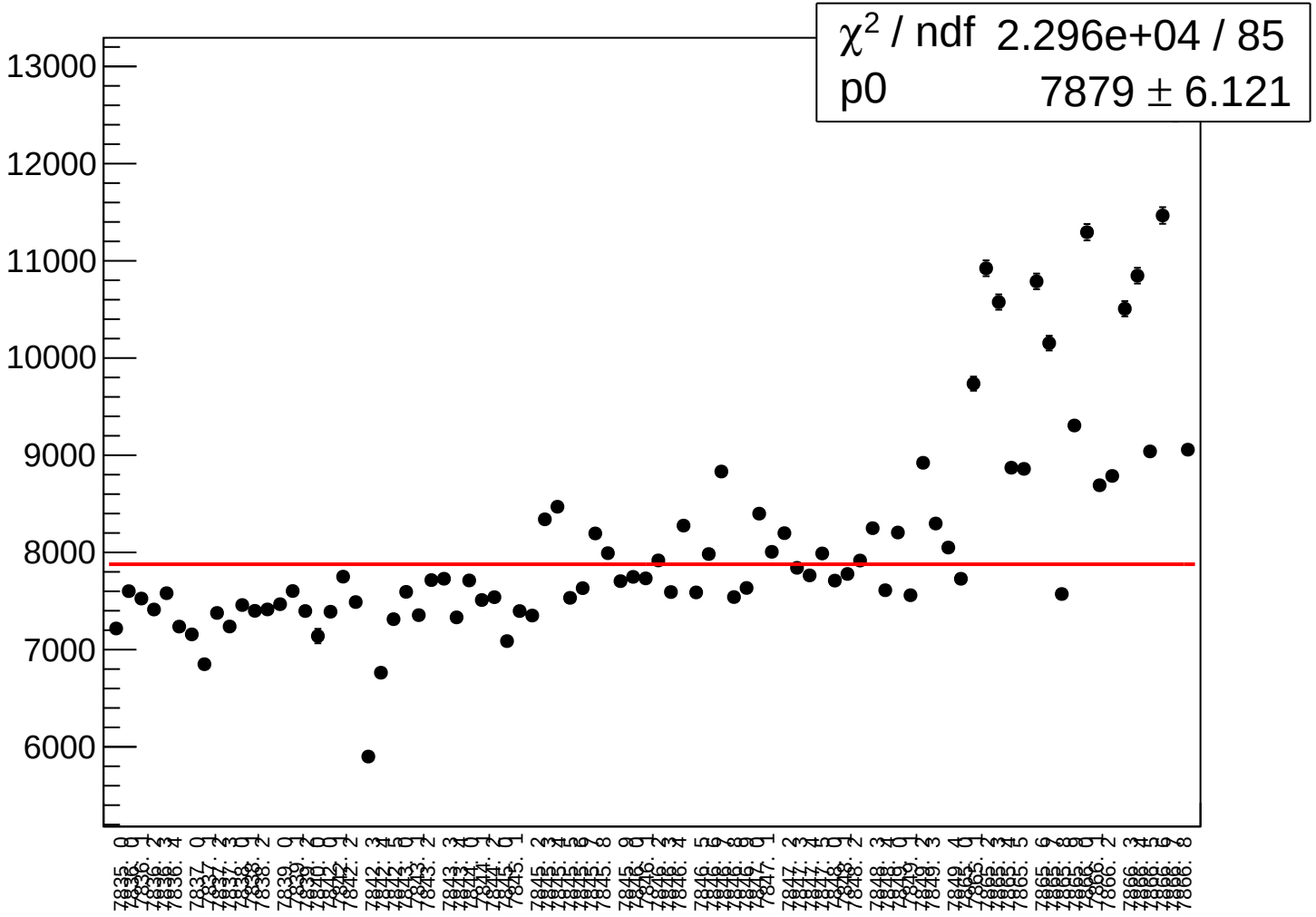

dit_asym_atr_dd_rms vs run
χ^2 / ndf 695.4 / 85
p0 2030 ± 1.567
2200
2150
2100
2050
2000
1950
1900

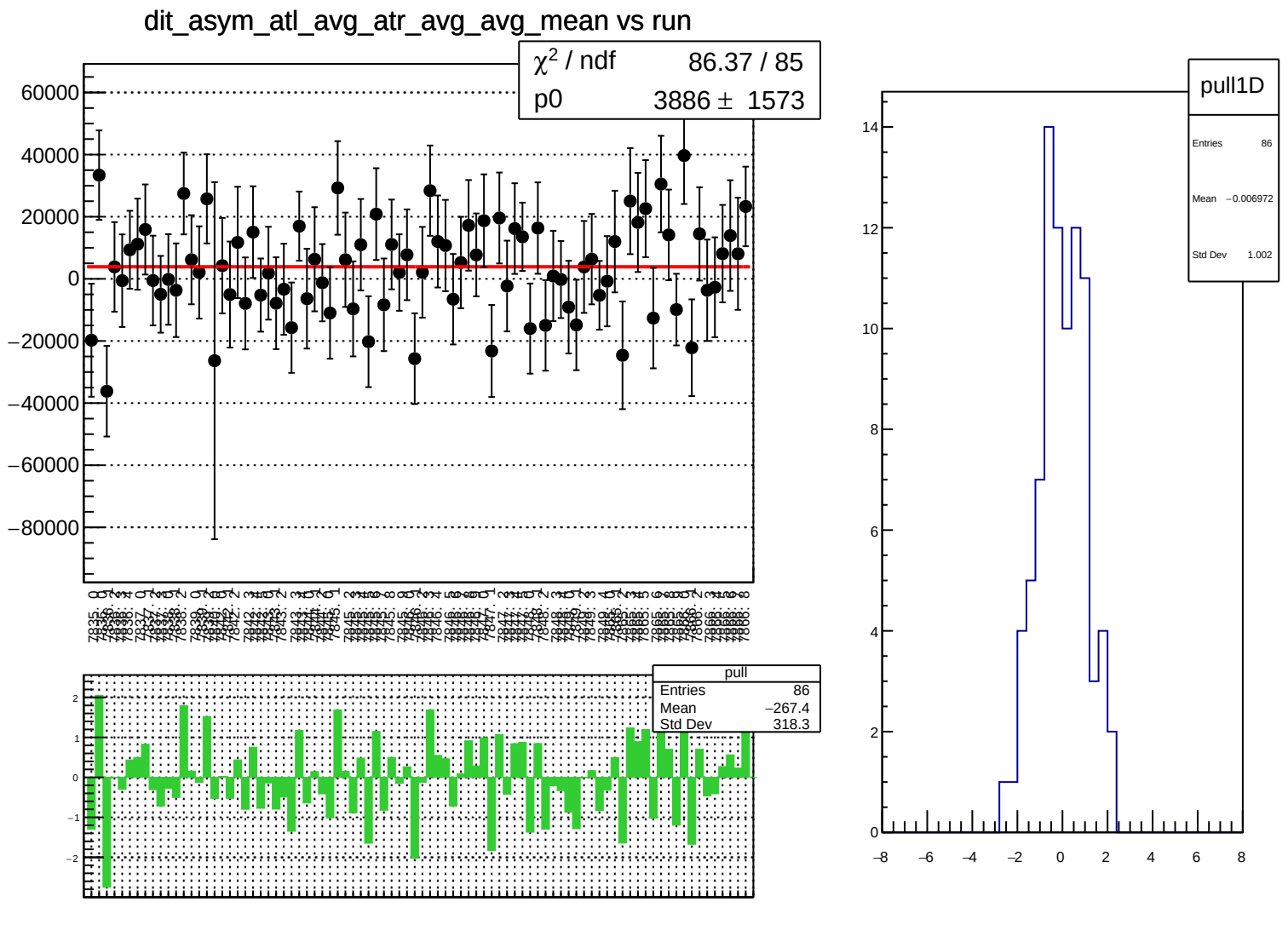

asym_atr_dd_correction_mean vs run
χ^2 / ndf 93.59 / 85
p0 8917 ± 8387
×10^3
pull
Entries 86
Mean 8.586
Std Dev 66.17
pull1D
Entries 86
Mean −0.01225
Std Dev 1.043


asym_atr_dd_correction_rms vs run
χ^2 / ndf 2.4e+04 / 85
p0 7632 ± 5.931
12000
11000
10000
9000
8000
7000
6000
5000

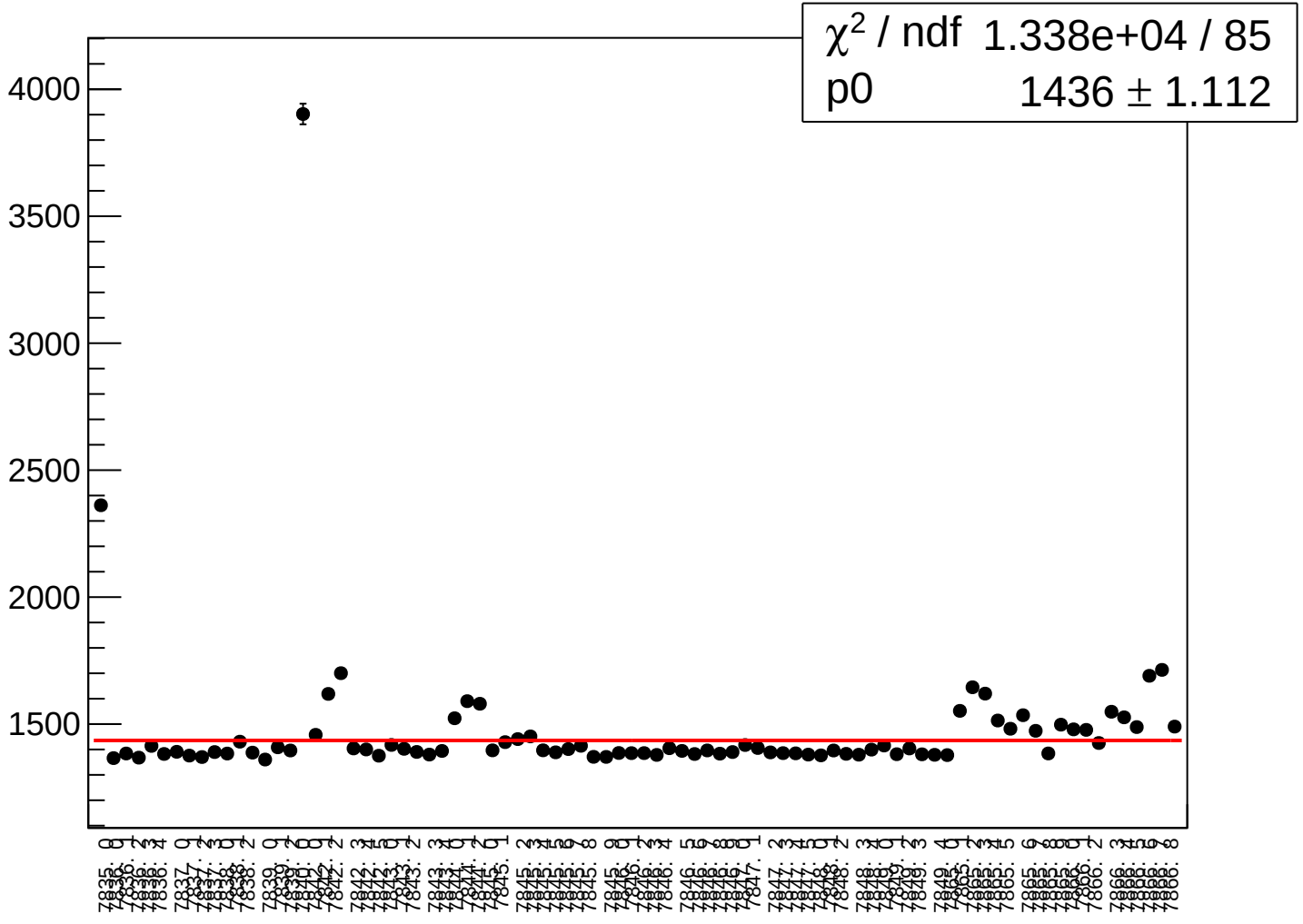

asym_atr_dd_mean vs run
×10^3
χ² / ndf 84.78 / 85
p0 −1.099e+04 ± 8656
pull
Entries 86
Mean 42.27
Std Dev 44.81
pull1D
Entries 86
Mean 0.01115
Std Dev 0.9928

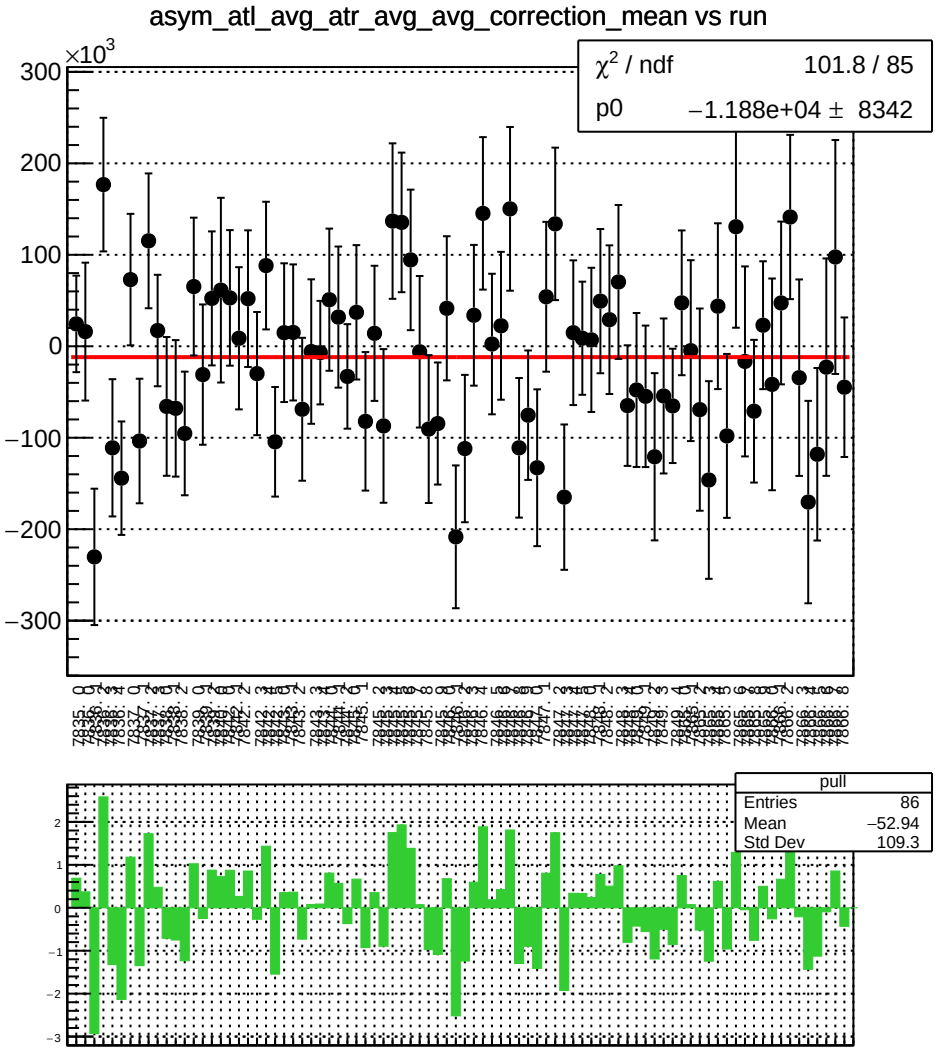
asym_atr_dd_rms vs run

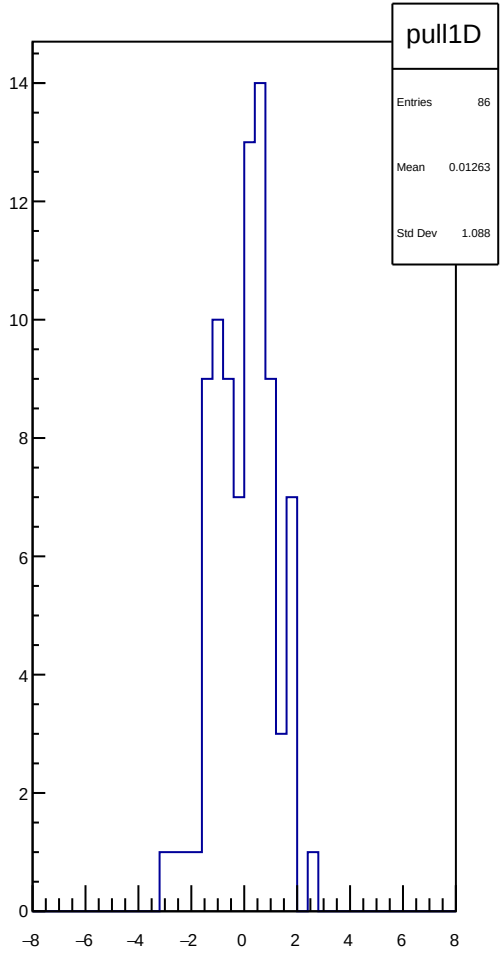


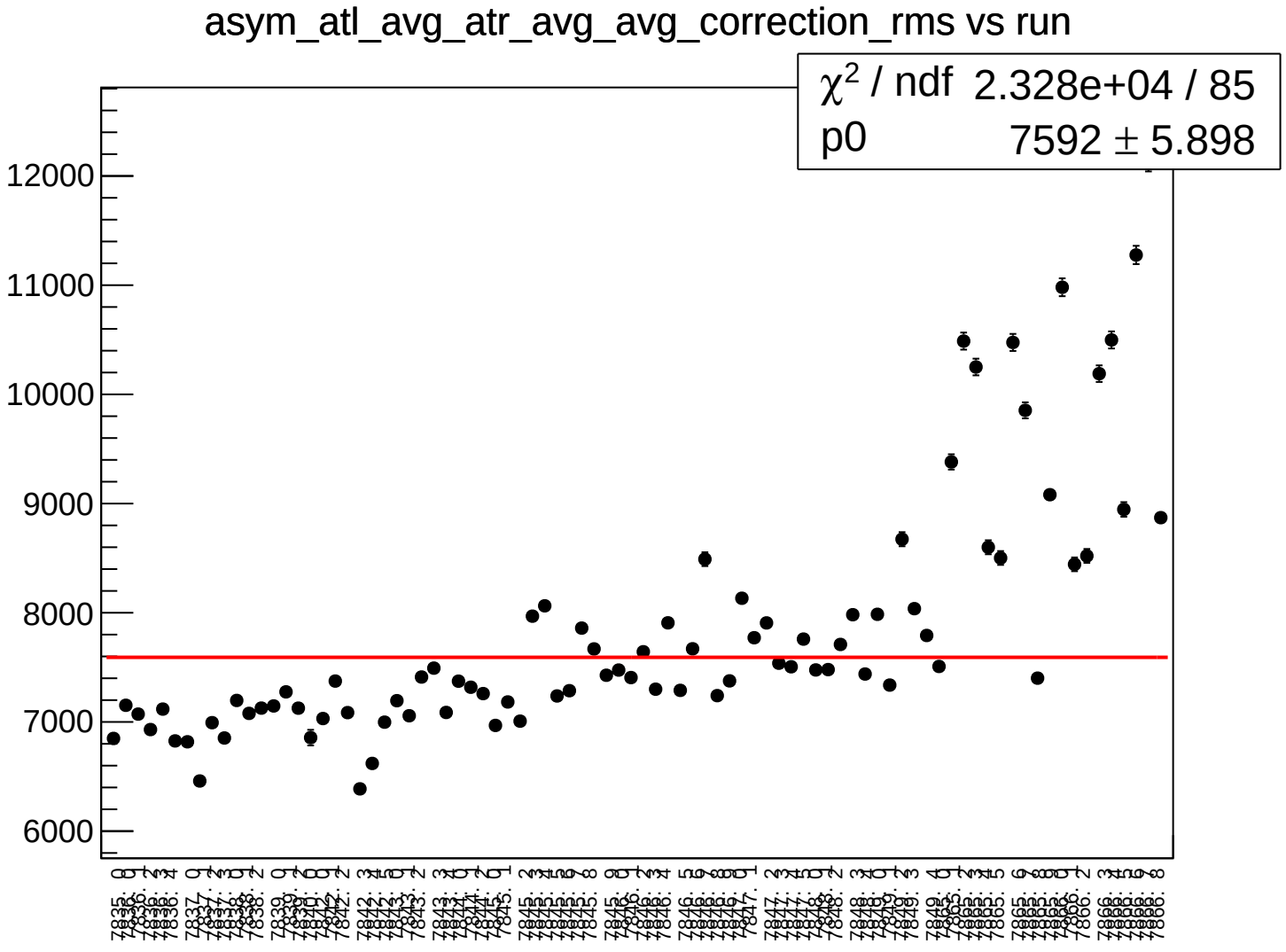

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 86.37 / 85
p0 3886 ± 1573
pull
Entries 86
Mean −267.4
Std Dev 318.3
pull1D
Entries 86
Mean −0.006972
Std Dev 1.002

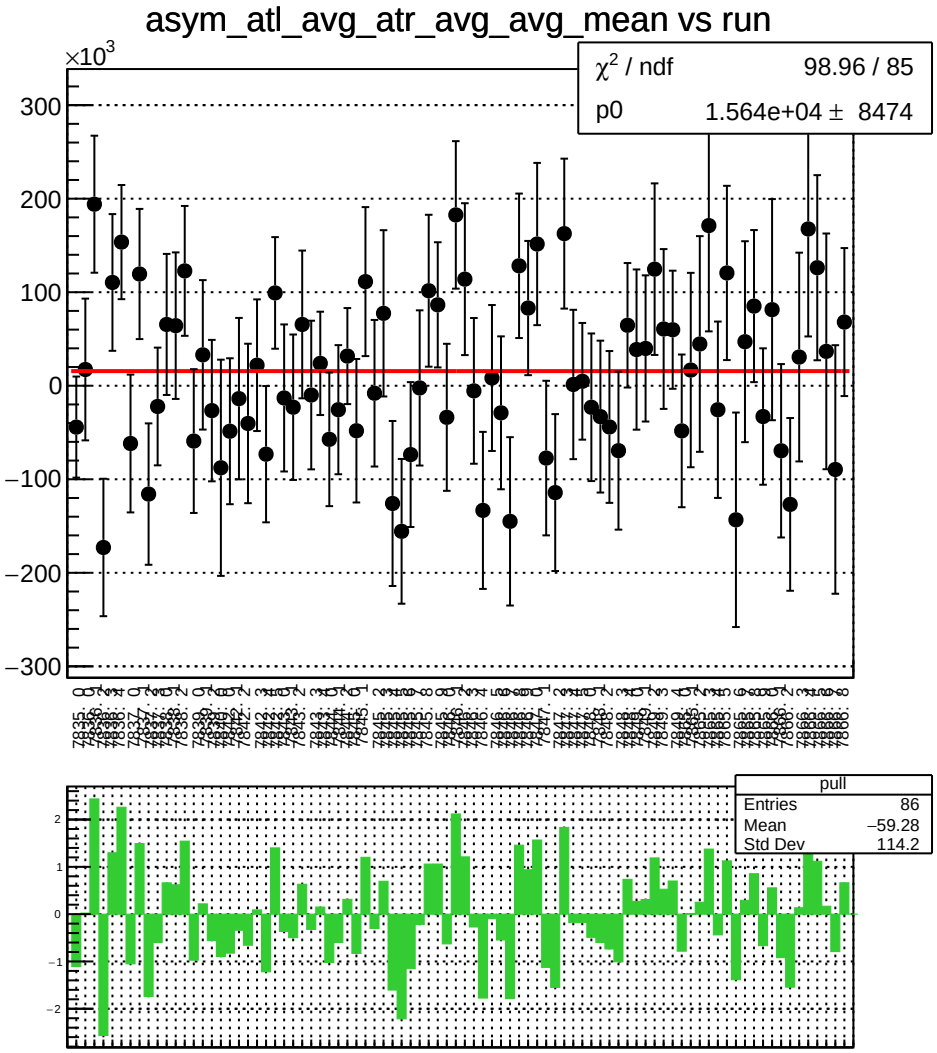
dit_asym_atl_avg_atr_avg_avg_rms vs run

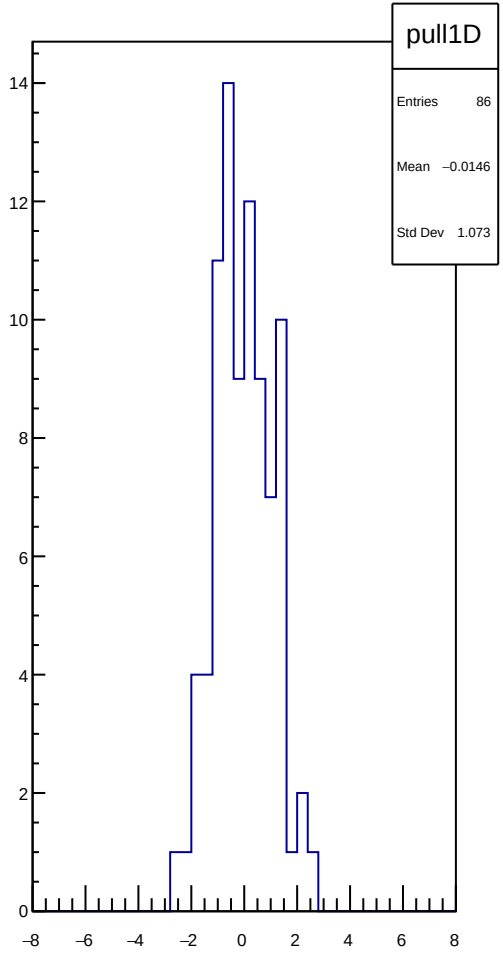



asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 101.8 / 85
p0 −1.188e+04 ± 8342
pull
Entries 86
Mean −52.94
Std Dev 109.3

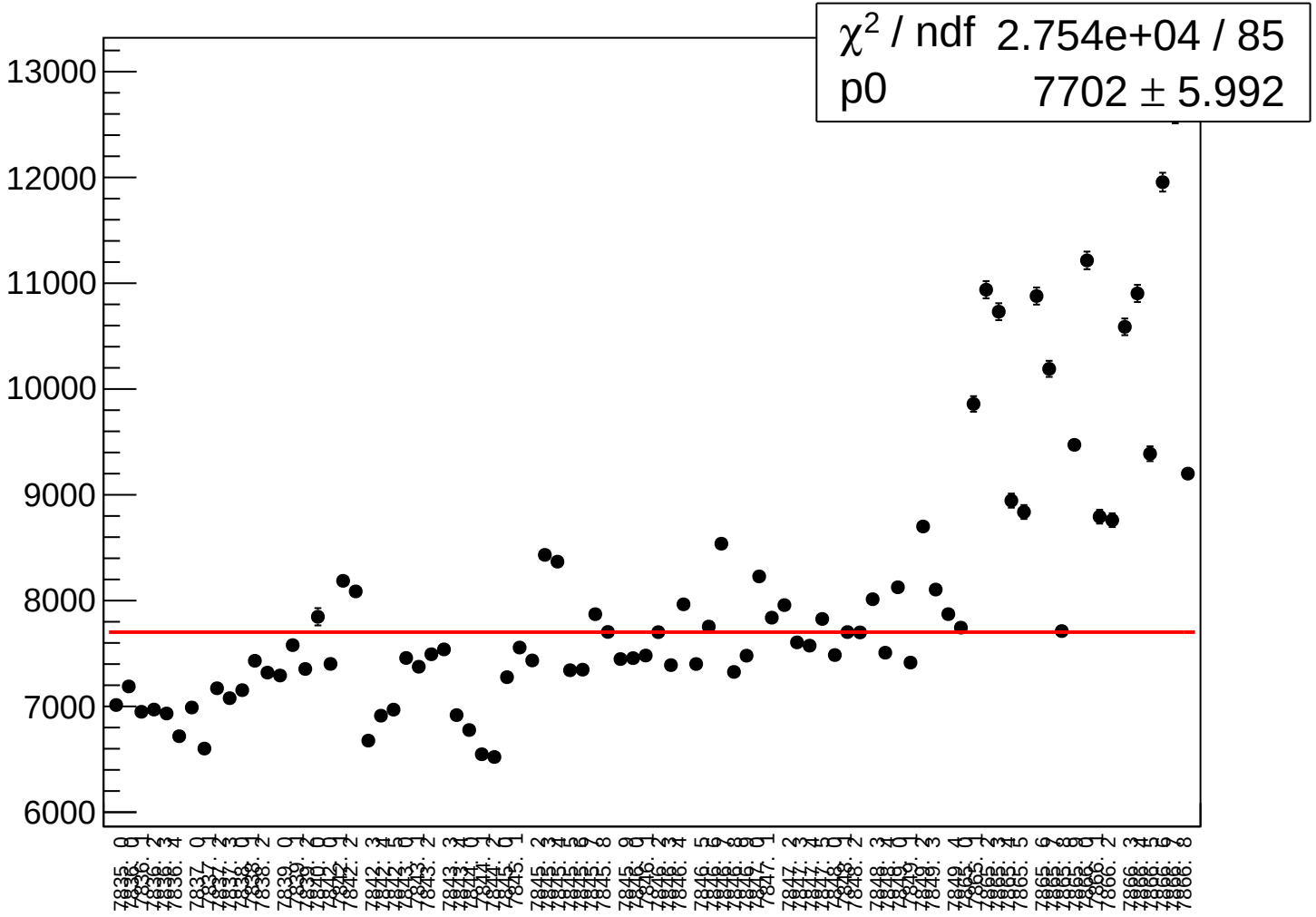

pull1D
Entries 86
Mean 0.01263
Std Dev 1.088

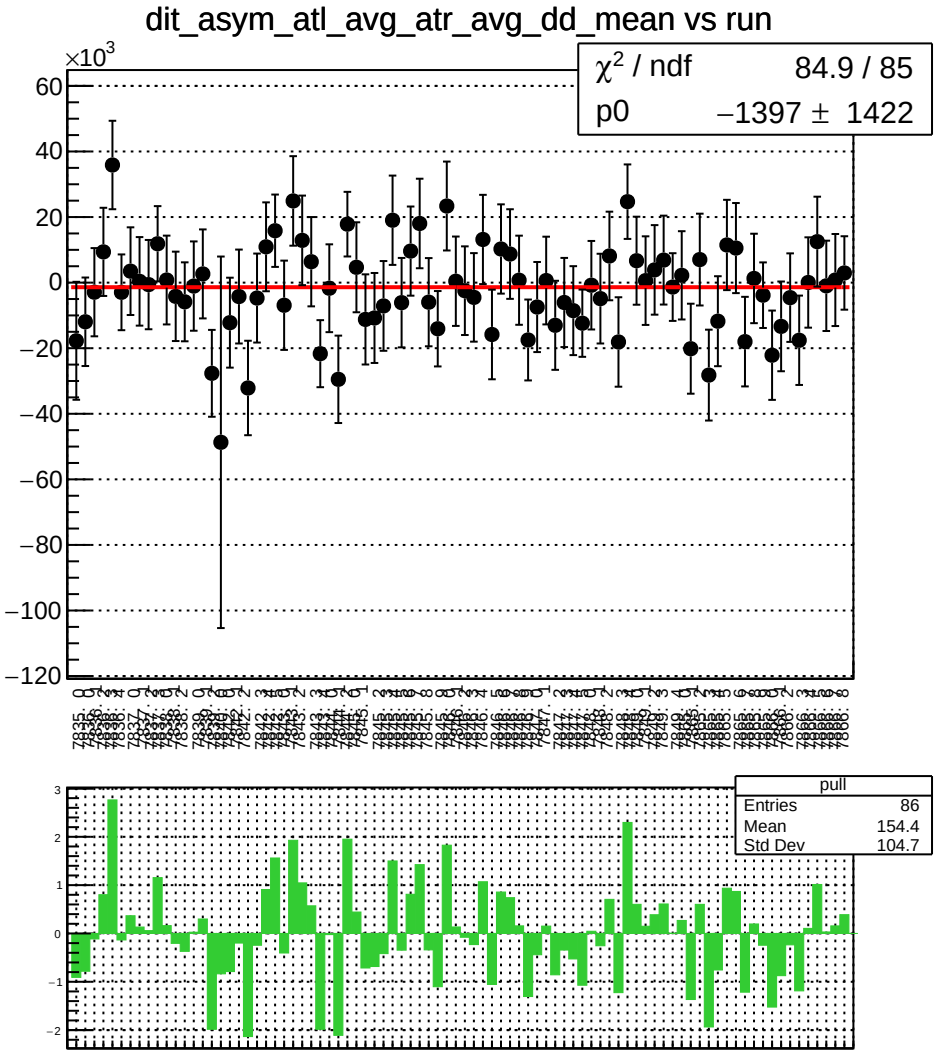

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ2 / ndf 2.328e+04 / 85
p0 7592 ± 5.898
12000
11000
10000
9000
8000
7000
6000

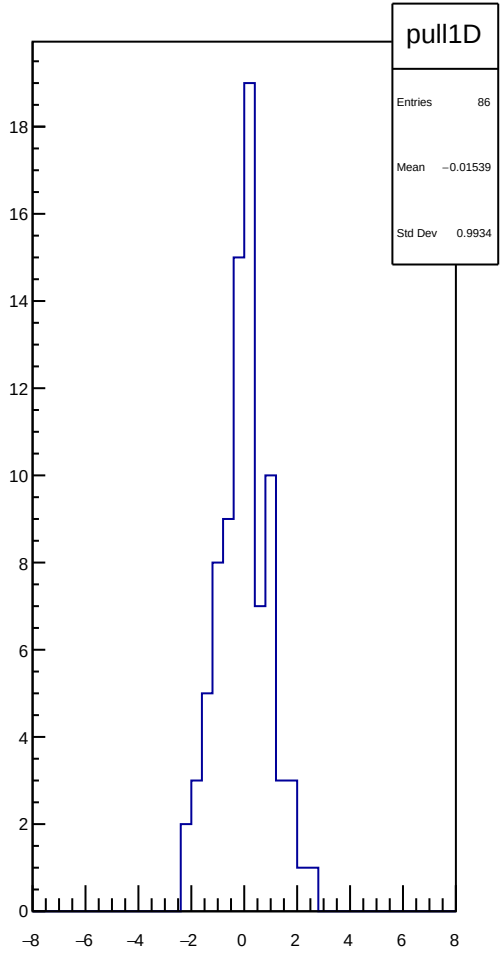

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 98.96 / 85
p0 1.564e+04 ± 8474
pull
Entries 86
Mean −59.28
Std Dev 114.2


pull1D
Entries 86
Mean −0.0146
Std Dev 1.073

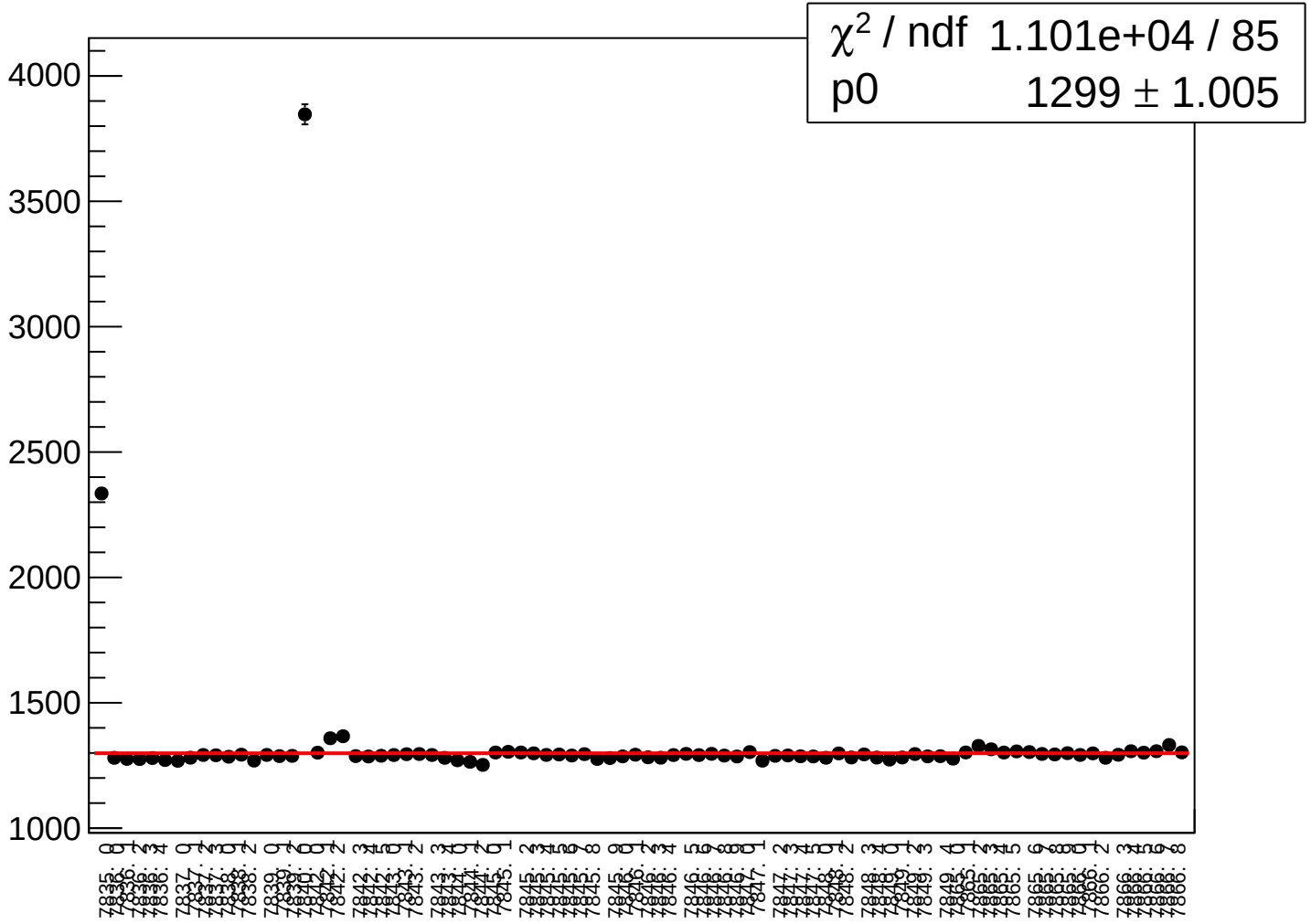
asym_atl_avg_atr_avg_avg_rms vs run

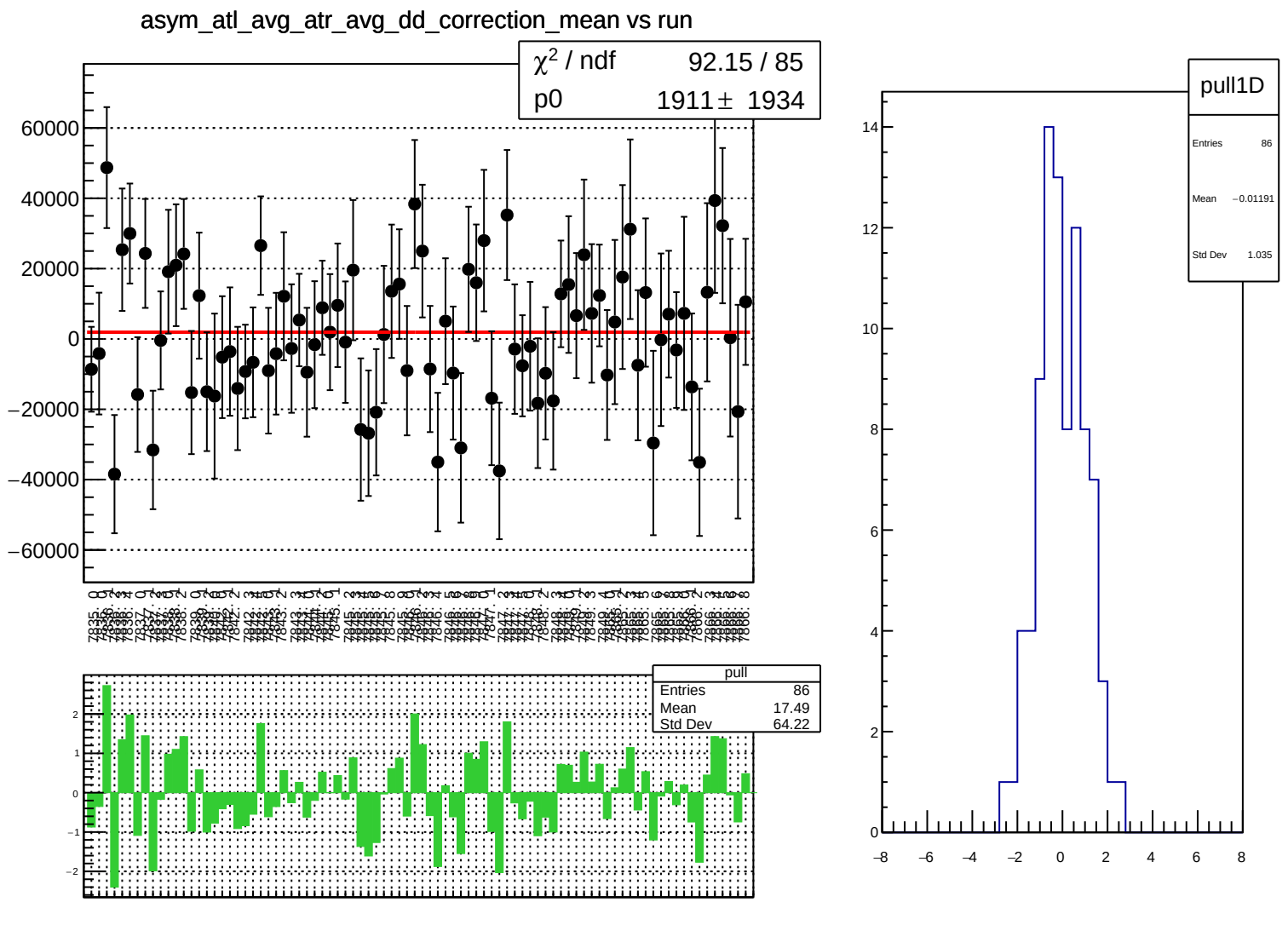


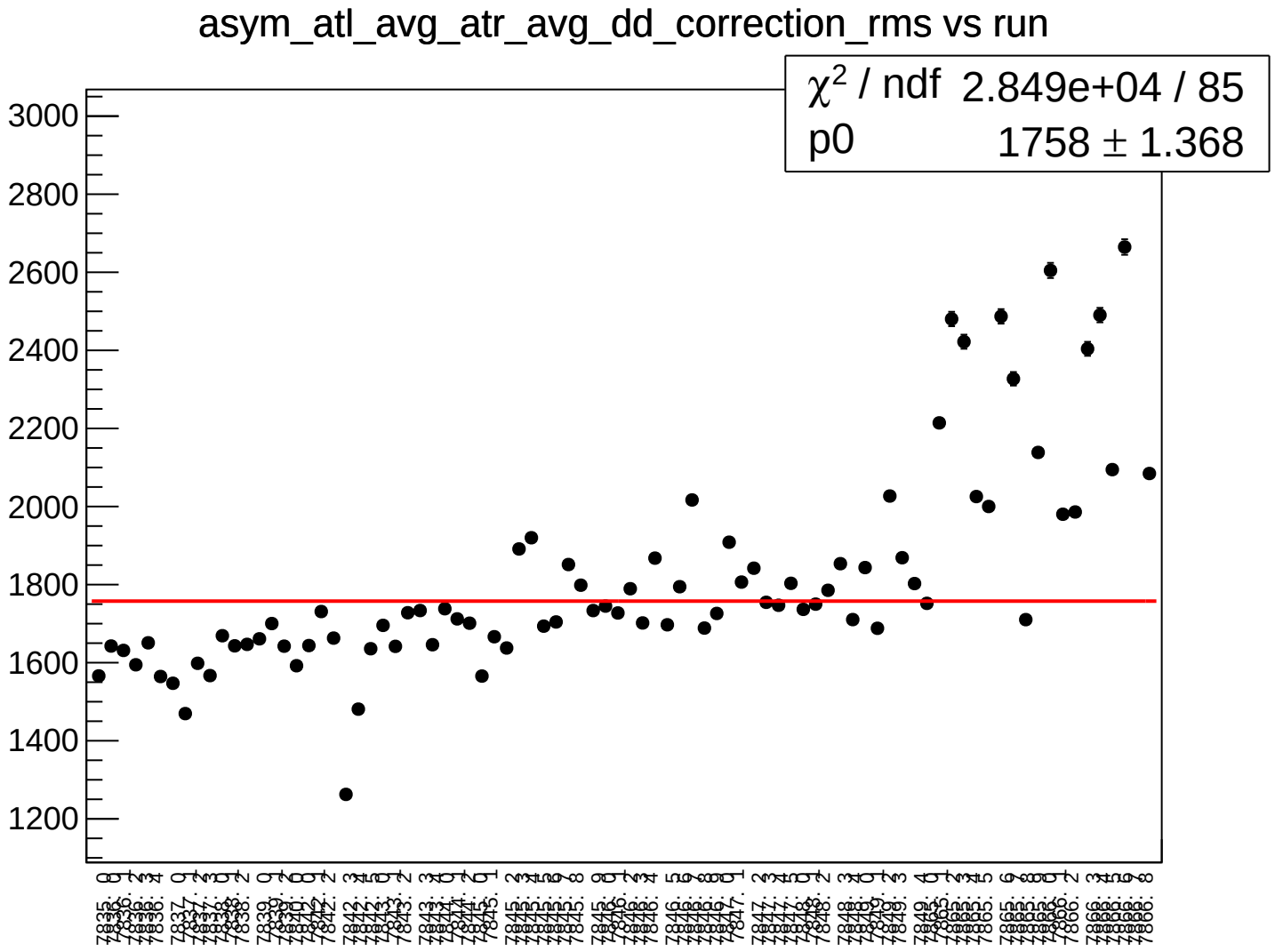

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ^2 / ndf 84.9 / 85
p0 −1397 ± 1422
×10^3
pull
Entries 86
Mean 154.4
Std Dev 104.7

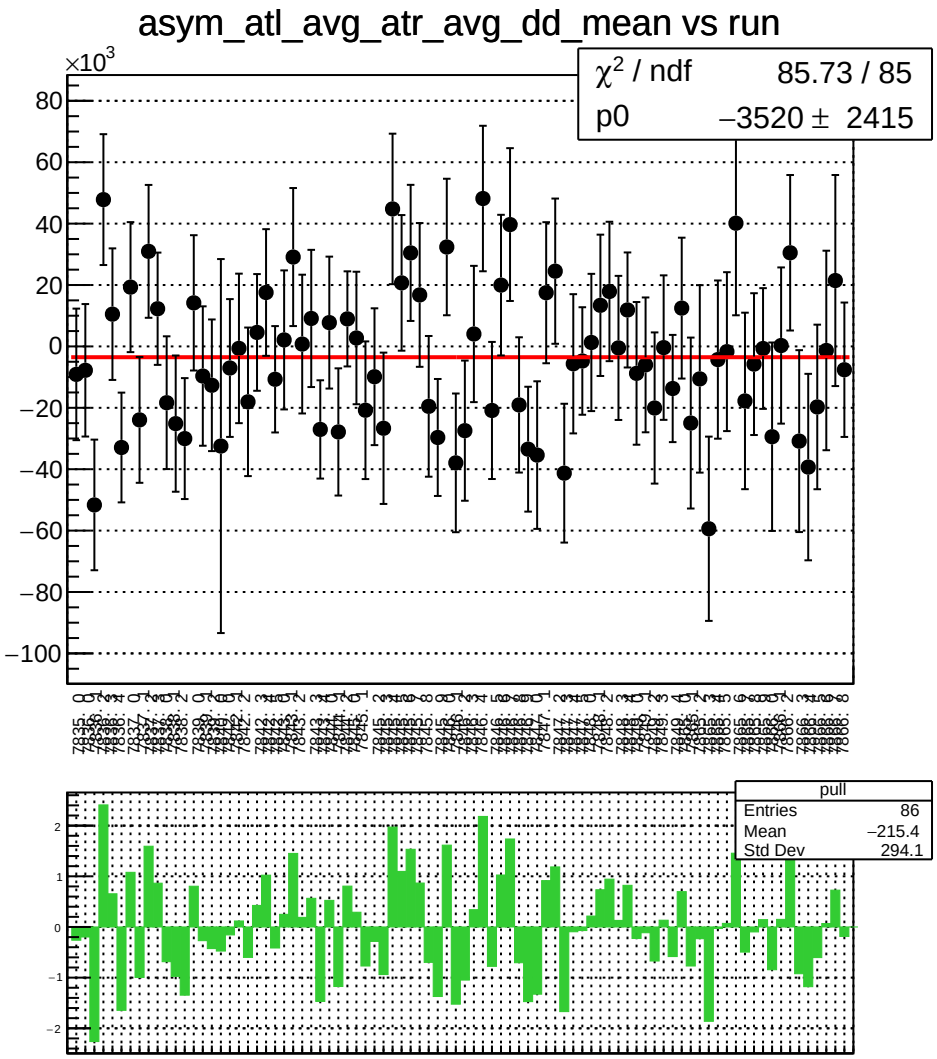

pull1D
Entries 86
Mean −0.01539
Std Dev 0.9934

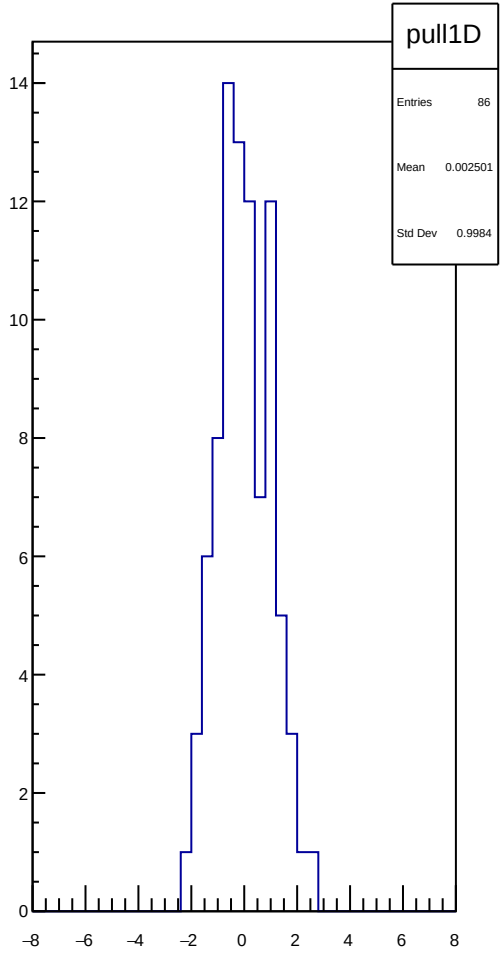
dit_asym_atl_avg_atr_avg_dd_rms vs run



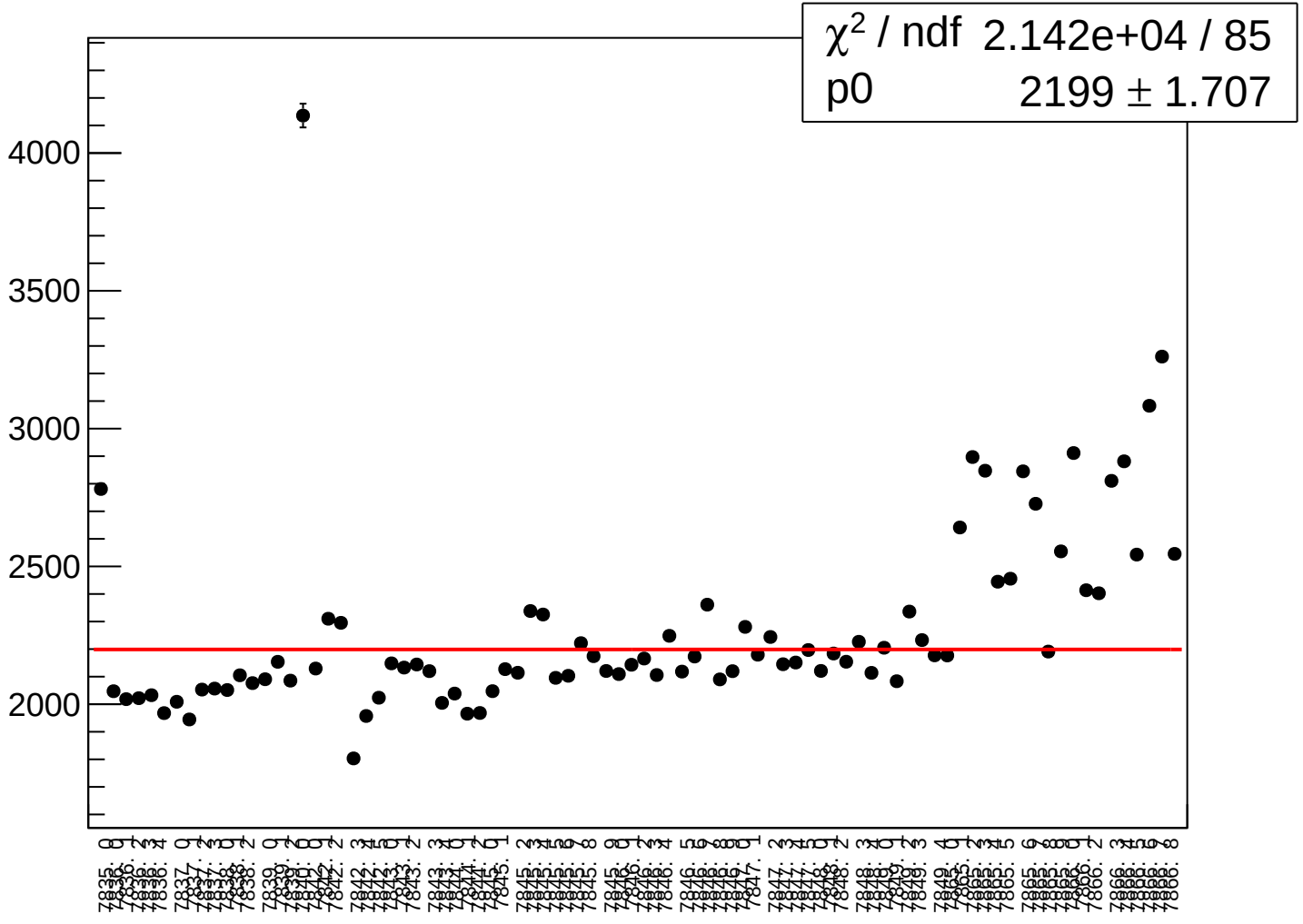

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 92.15 / 85
p0 1911 ± 1934
pull
Entries 86
Mean 17.49
Std Dev 64.22
pull1D
Entries 86
Mean −0.01191
Std Dev 1.035

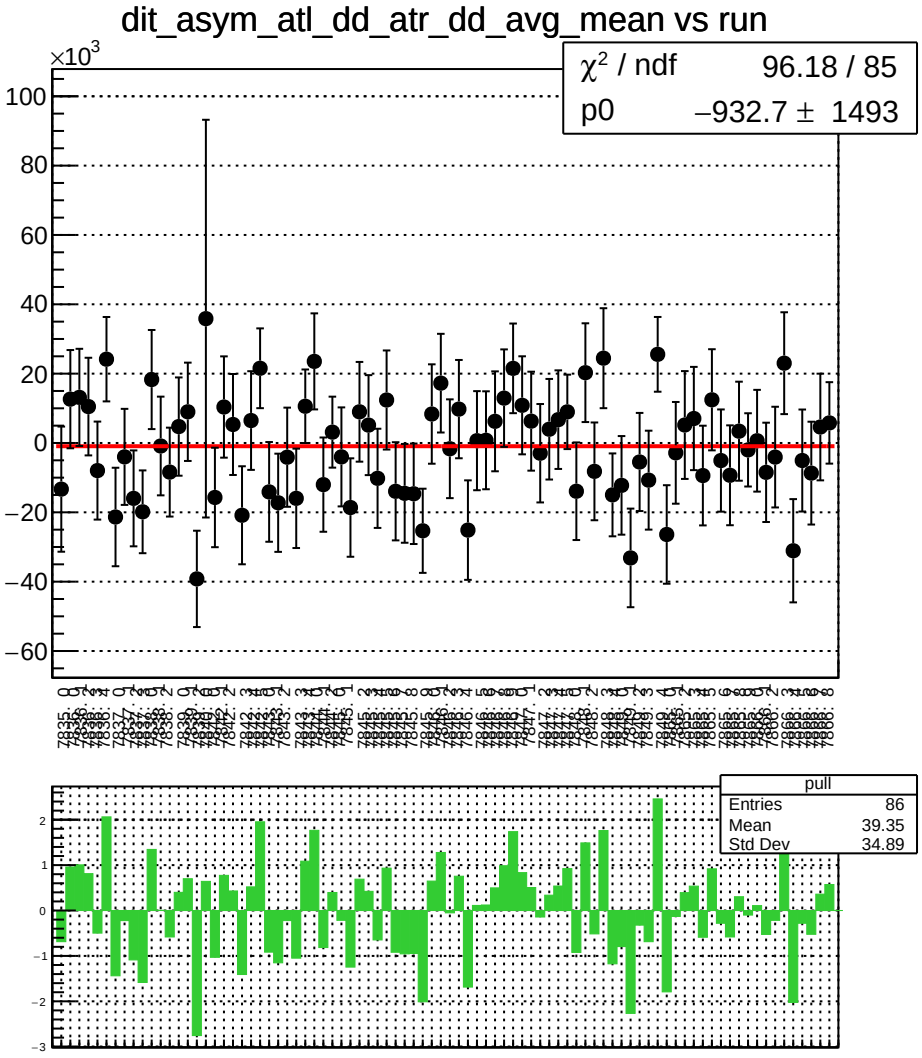

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 2.849e+04 / 85
p0 1758 ± 1.368
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

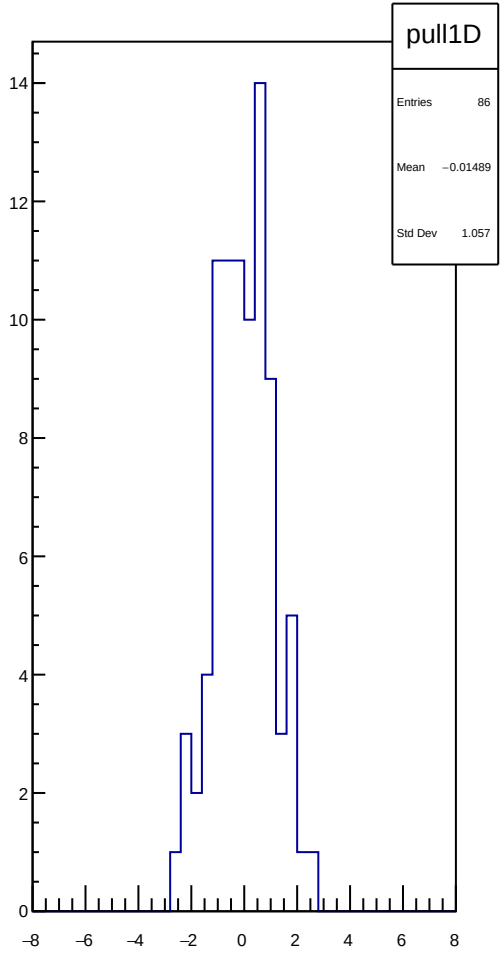

asym_atl_avg_atr_avg_dd_mean vs run
×10^3
χ² / ndf 85.73 / 85
p0 −3520 ± 2415
pull
Entries 86
Mean −215.4
Std Dev 294.1


pull1D
Entries 86
Mean 0.002501
Std Dev 0.9984

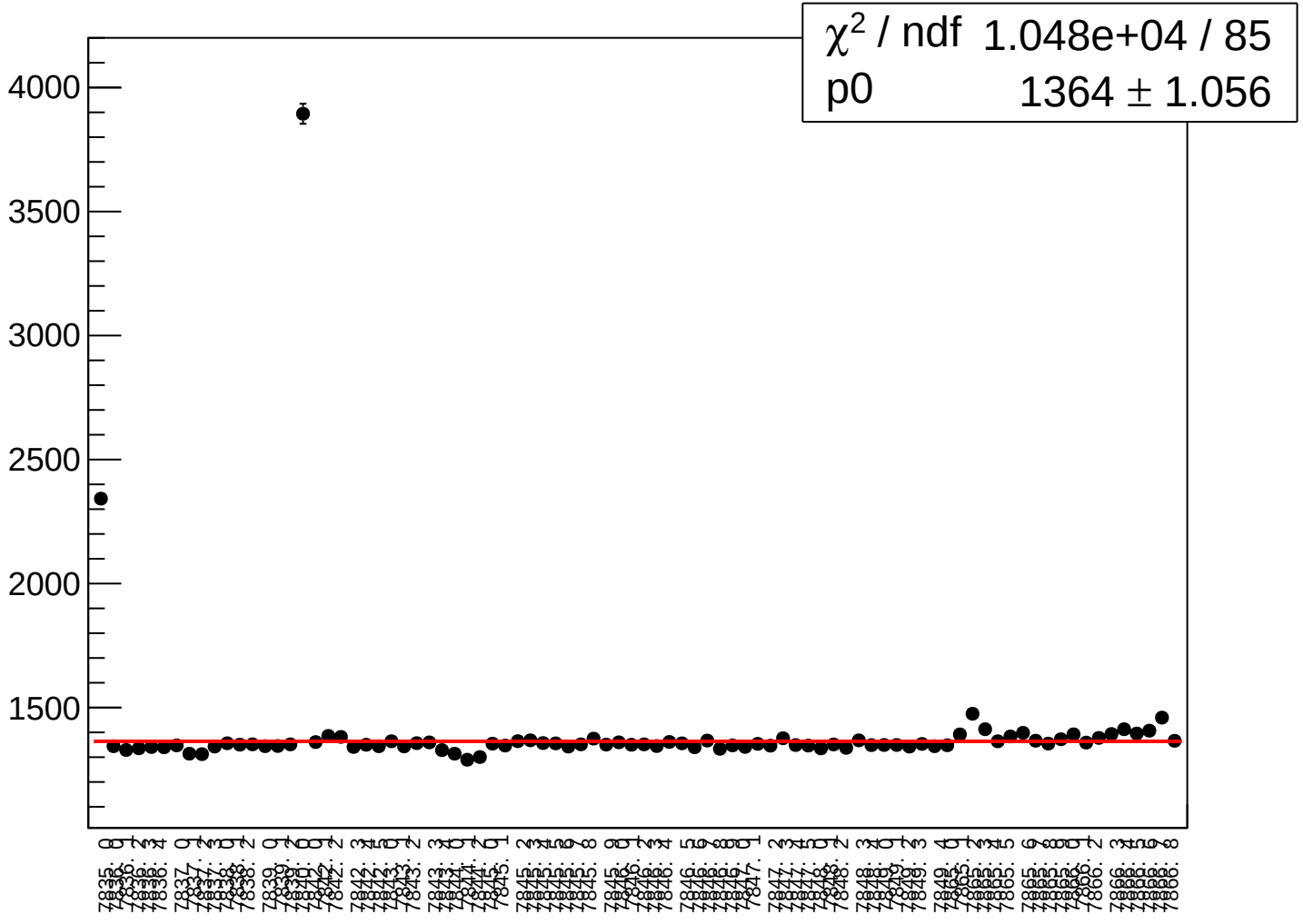
asym_atl_avg_atr_avg_dd_rms vs run

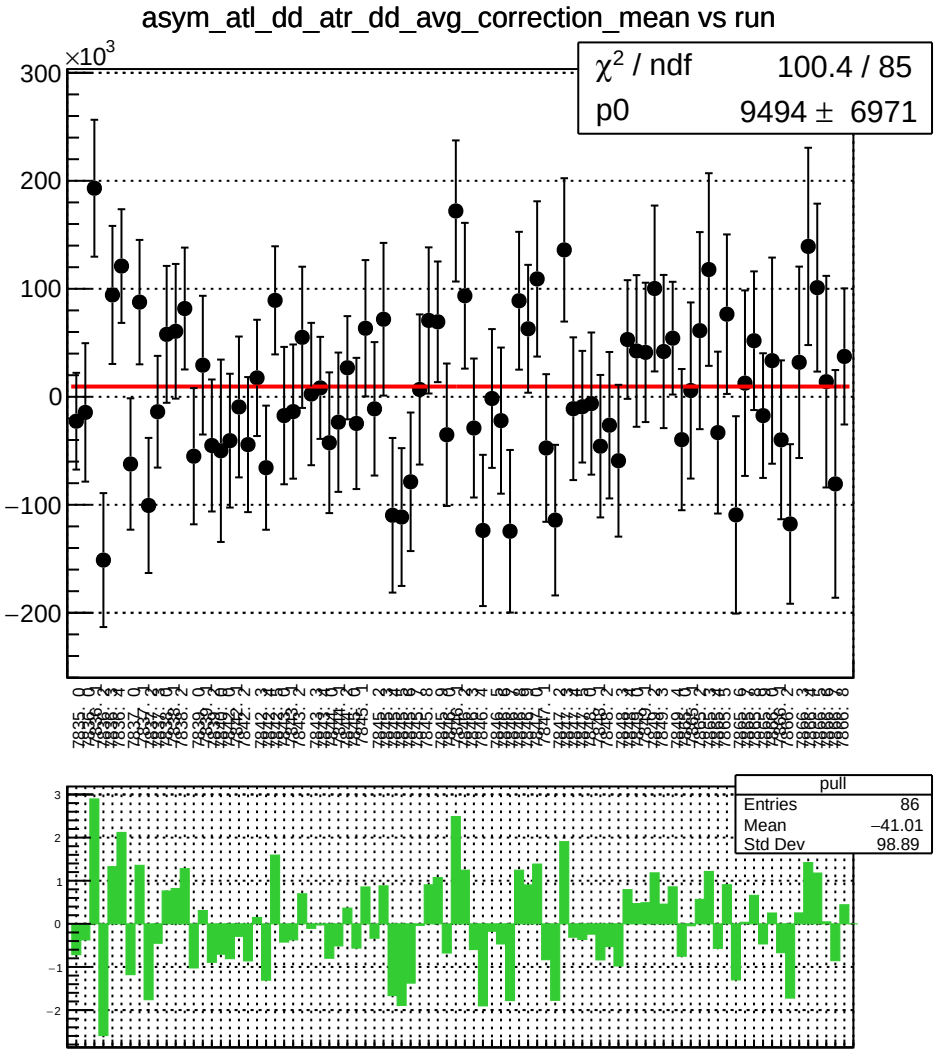


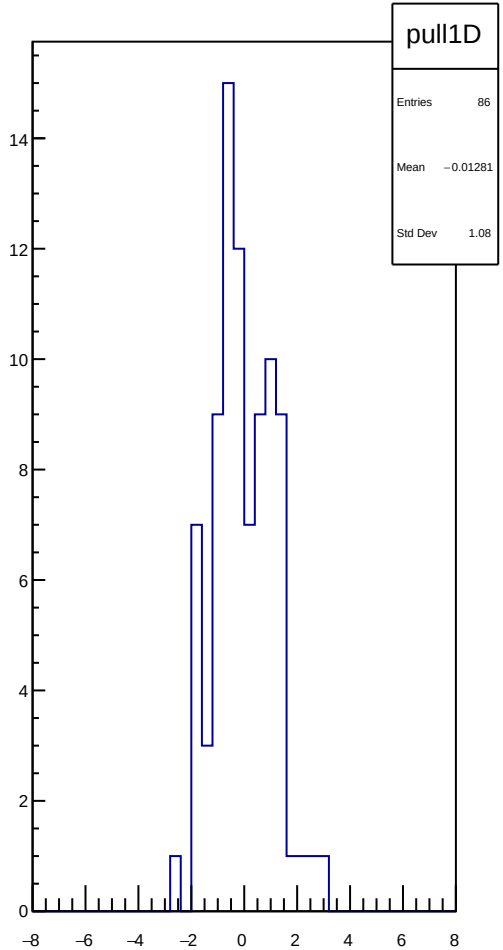

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ^2 / ndf 96.18 / 85
p0 −932.7 ± 1493
×10^3
pull
Entries 86
Mean 39.35
Std Dev 34.89

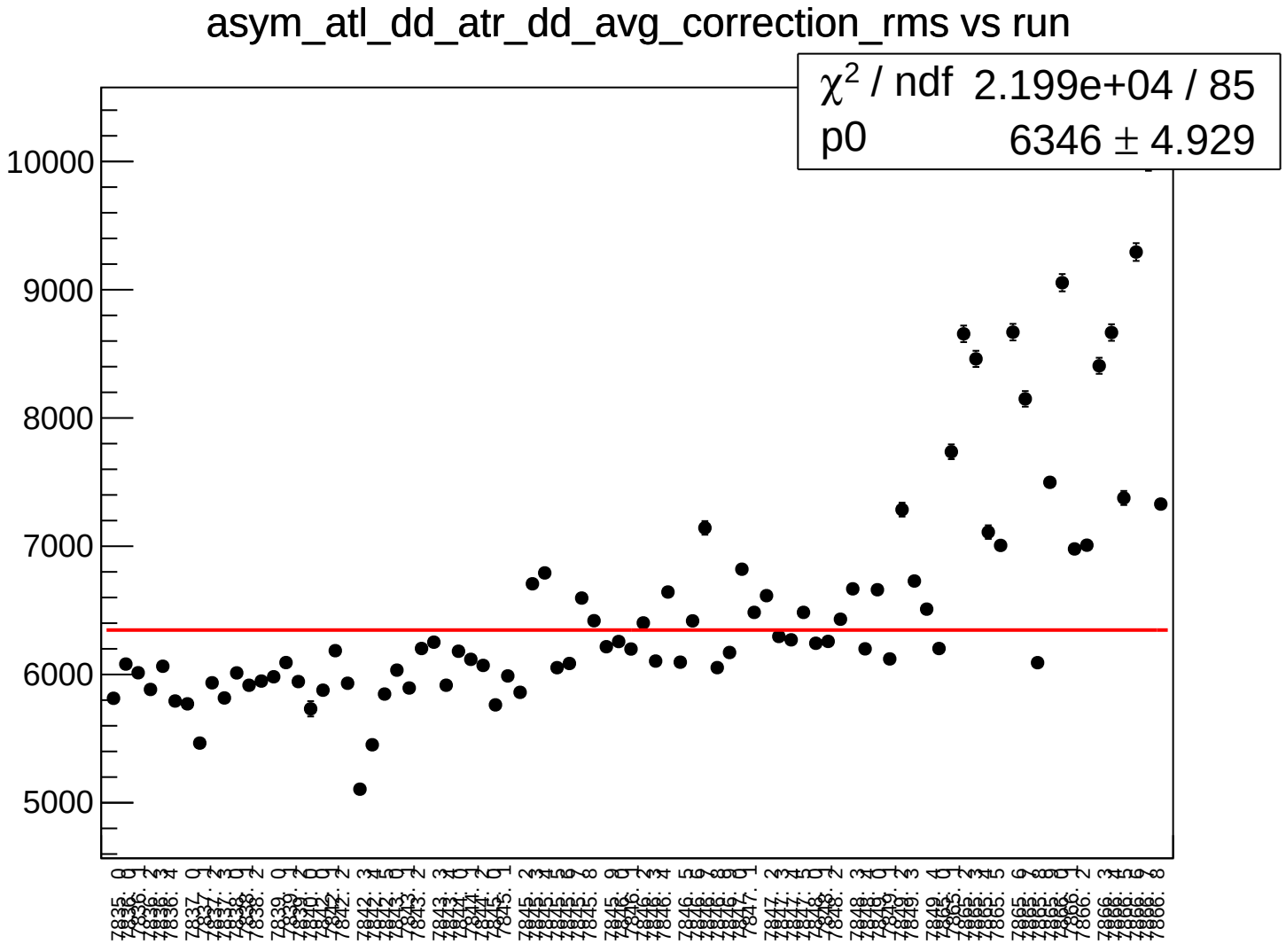

pull1D
Entries 86
Mean −0.01489
Std Dev 1.057

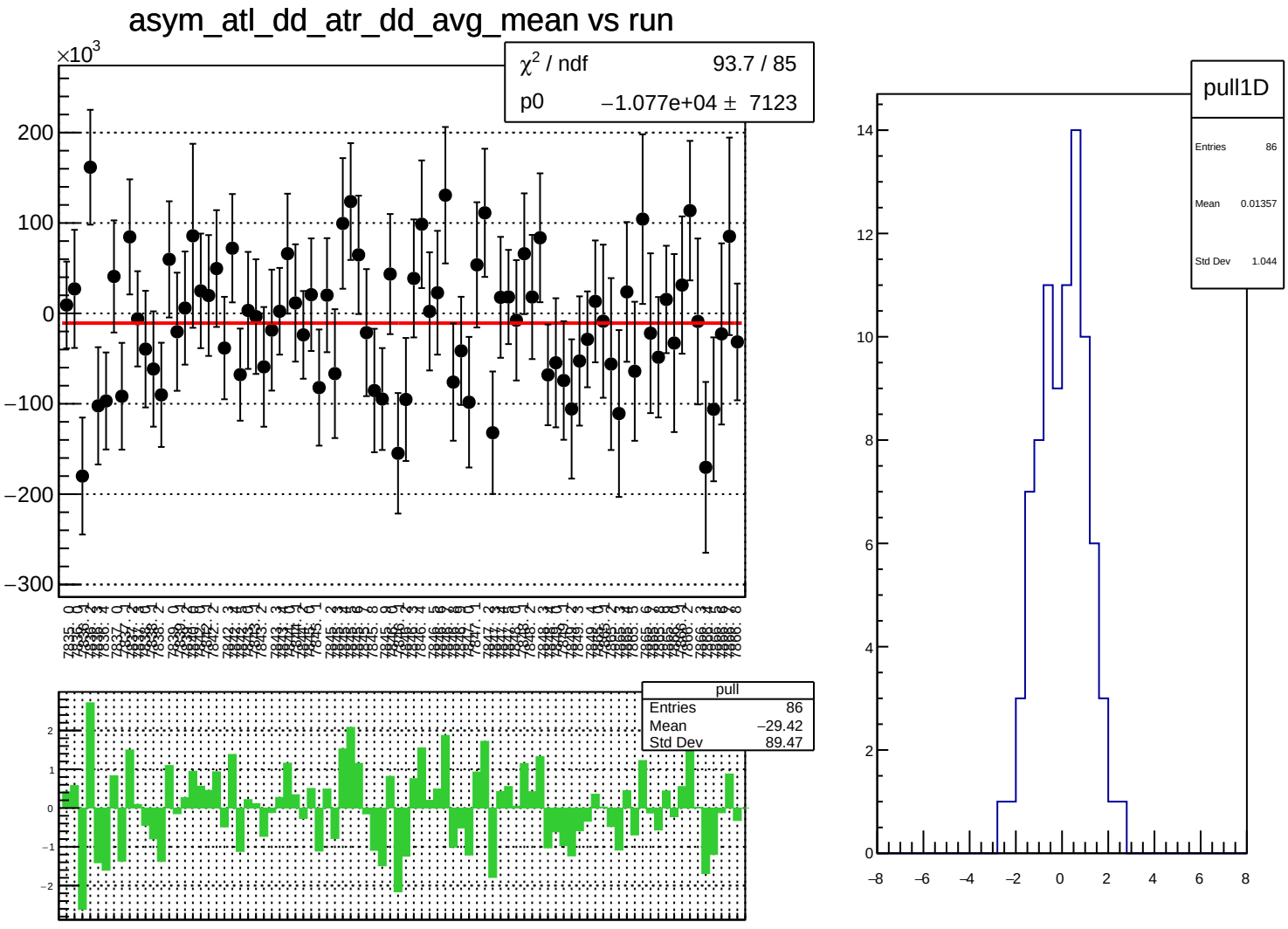
dit_asym_atl_dd_atr_dd_avg_rms vs run



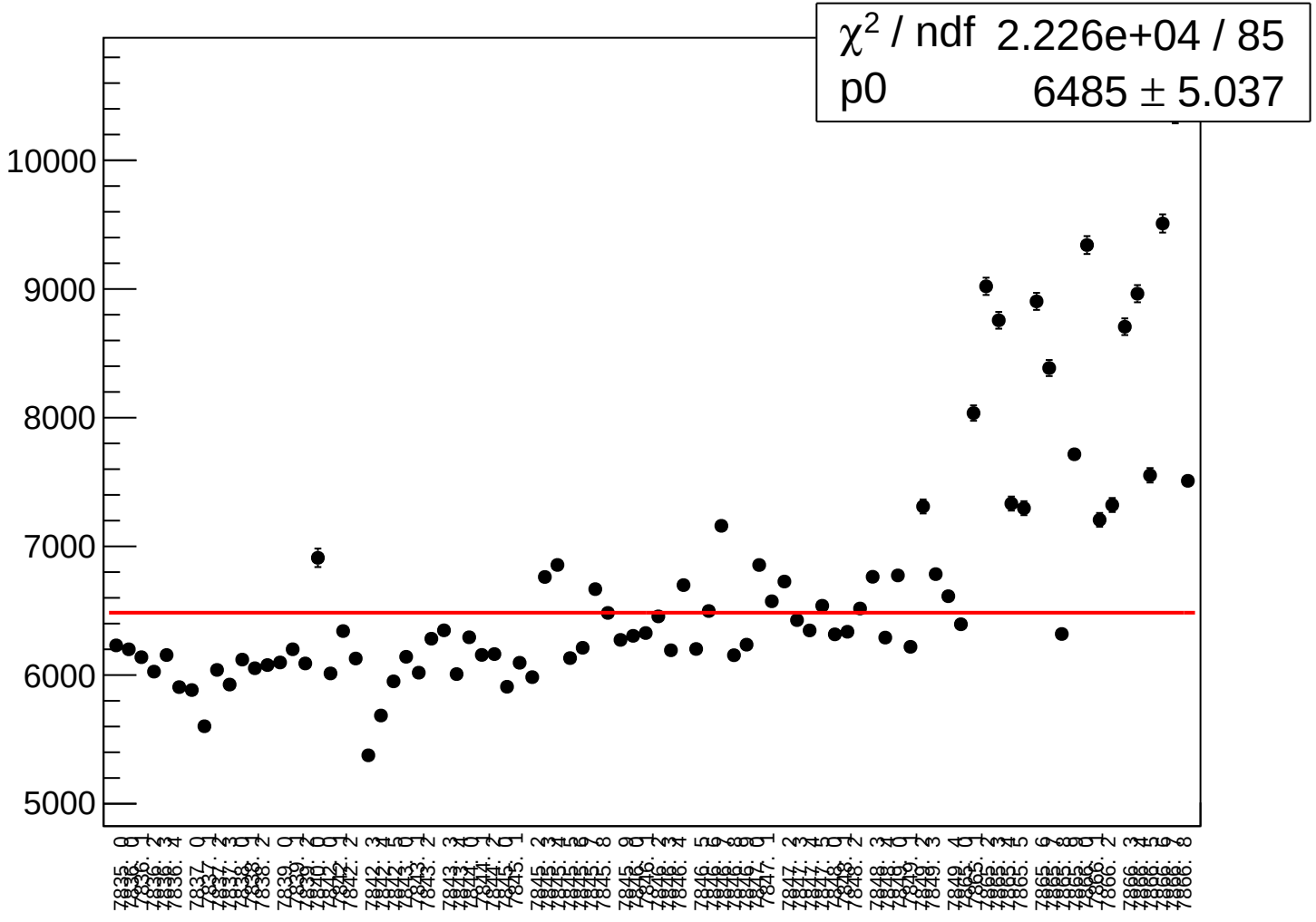

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 100.4 / 85
p0 9494 ± 6971
pull
Entries 86
Mean −41.01
Std Dev 98.89

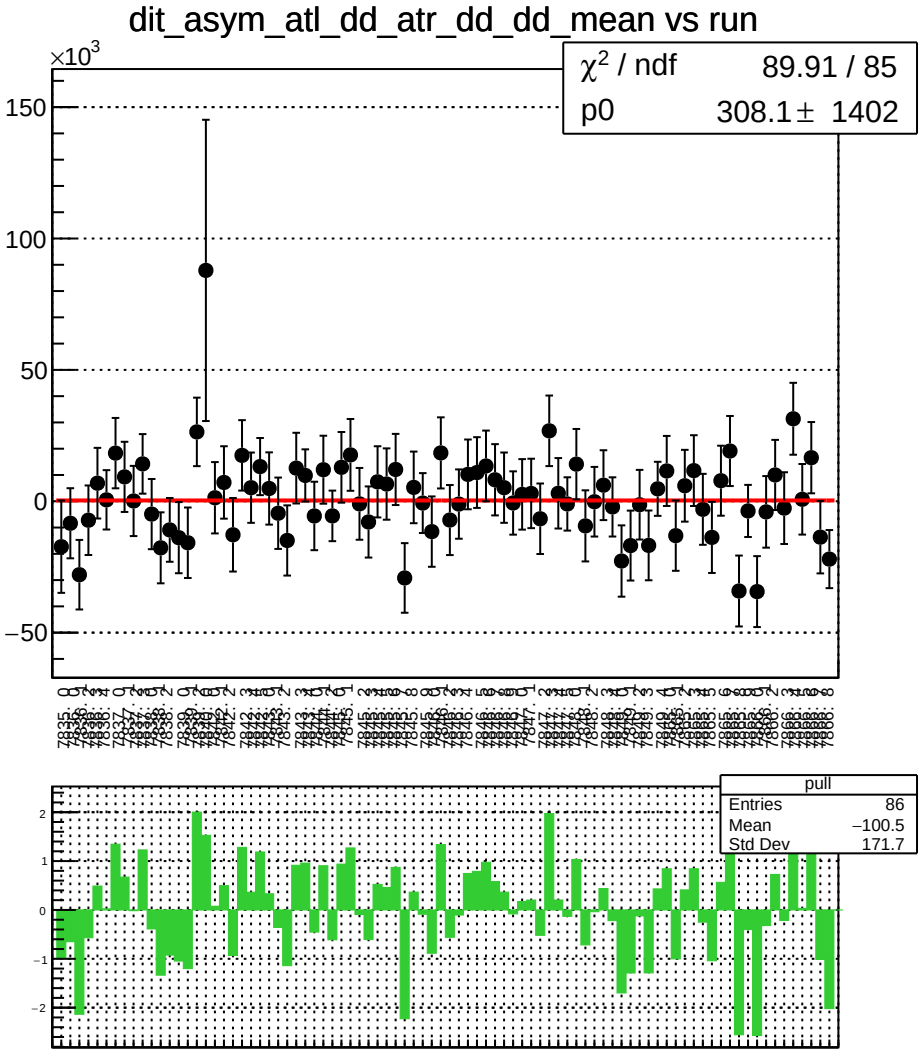

pull1D
Entries 86
Mean −0.01281
Std Dev 1.08

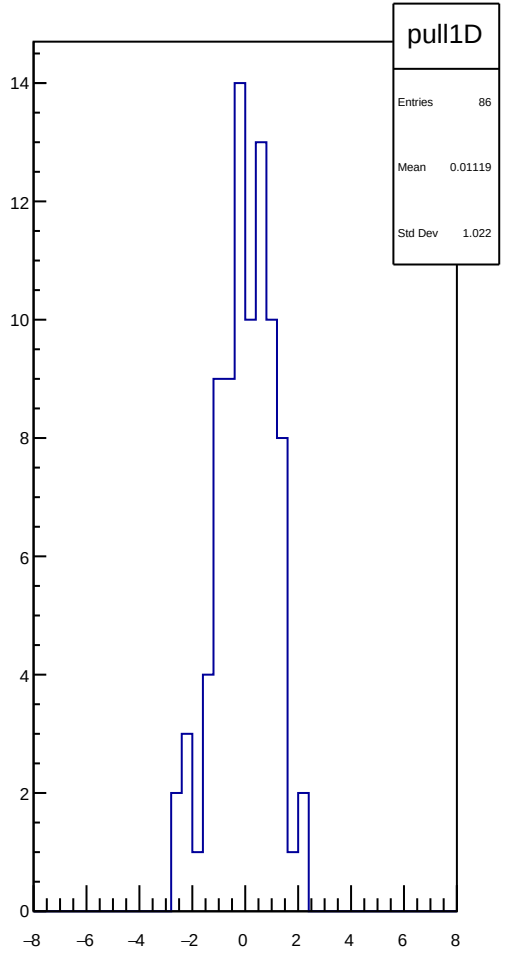

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ^2 / ndf 2.199e+04 / 85
p0 6346 ± 4.929
10000
9000
8000
7000
6000
5000


asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 93.7 / 85
p0 −1.077e+04 ± 7123
pull
Entries 86
Mean −29.42
Std Dev 89.47
pull1D
Entries 86
Mean 0.01357
Std Dev 1.044

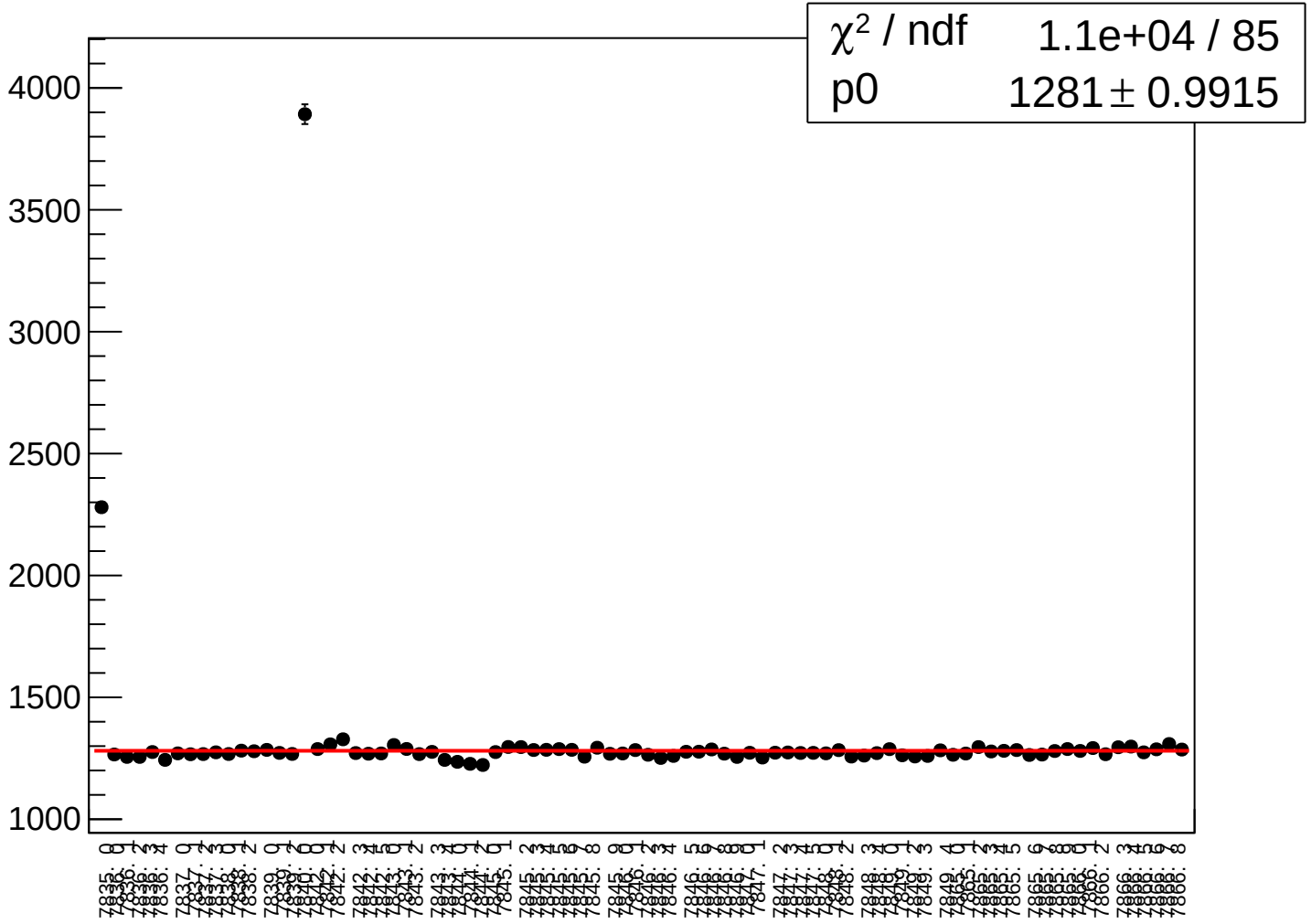
asym_atl_dd_atr_dd_avg_rms vs run

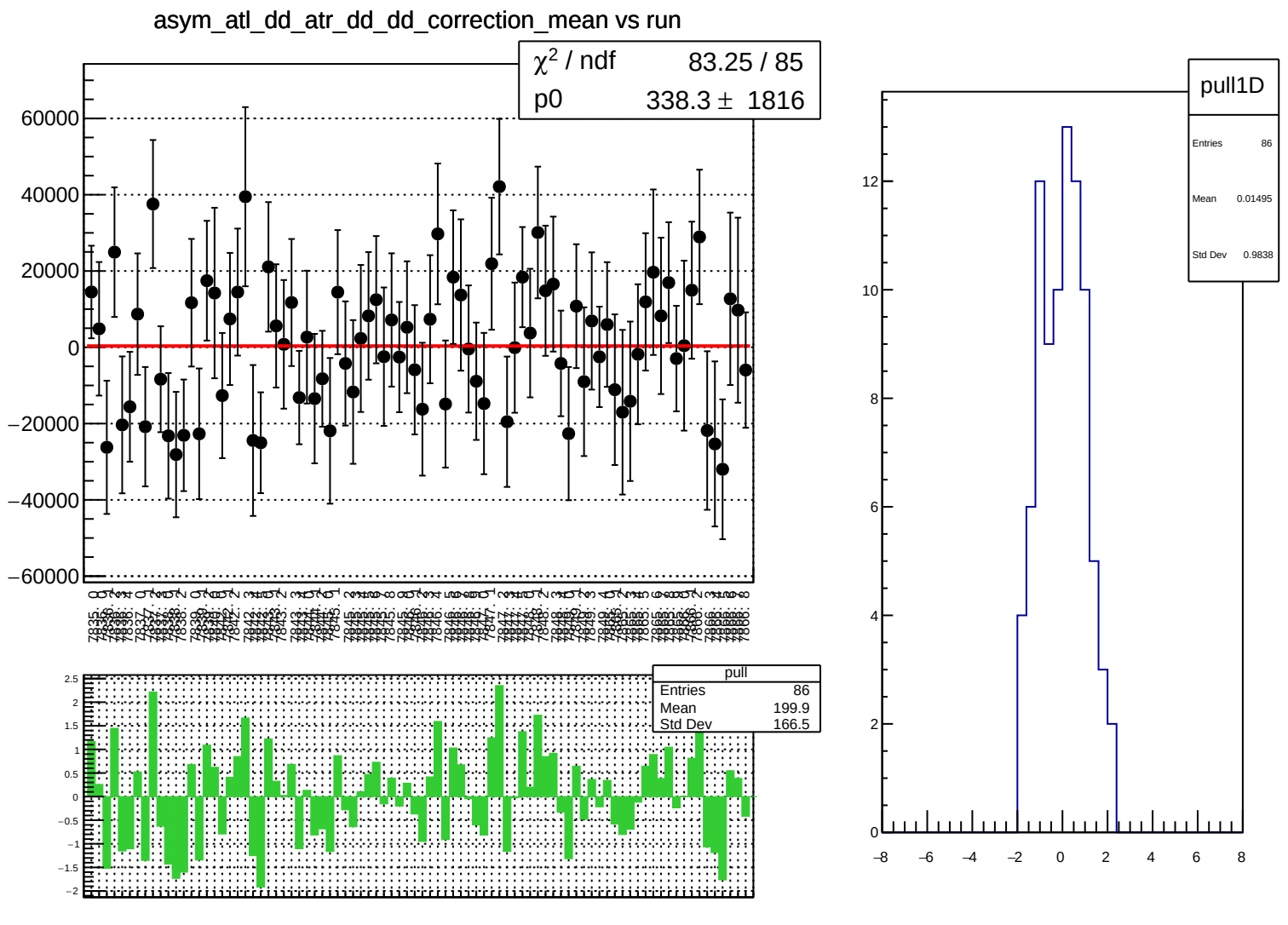


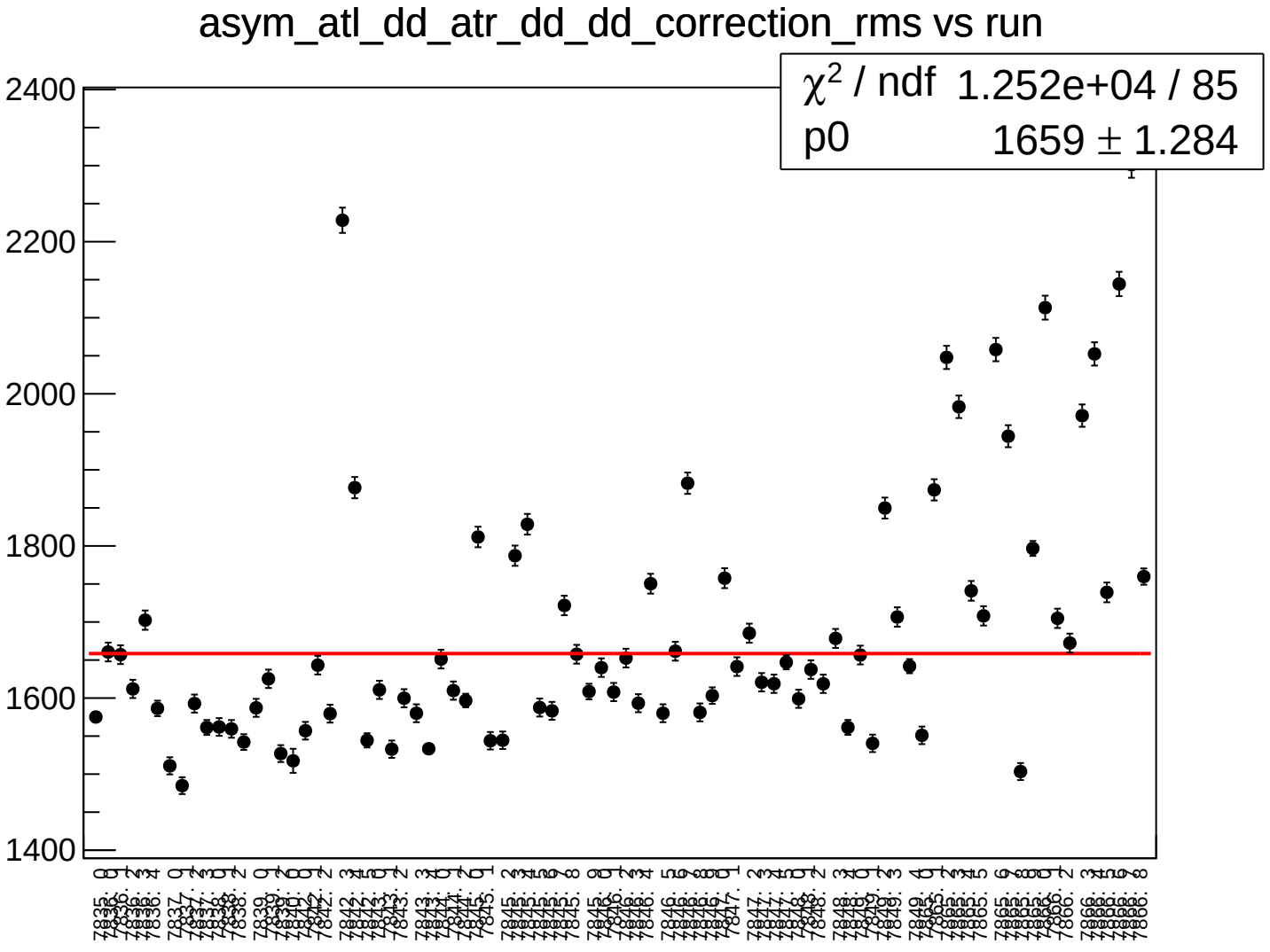

dit_asym_atl_dd_atr_dd_dd_mean vs run
×10^3
χ² / ndf 89.91 / 85
p0 308.1 ± 1402
150
100
50
0
−50
pull
Entries 86
Mean −100.5
Std Dev 171.7
2
1
0
−1
−2

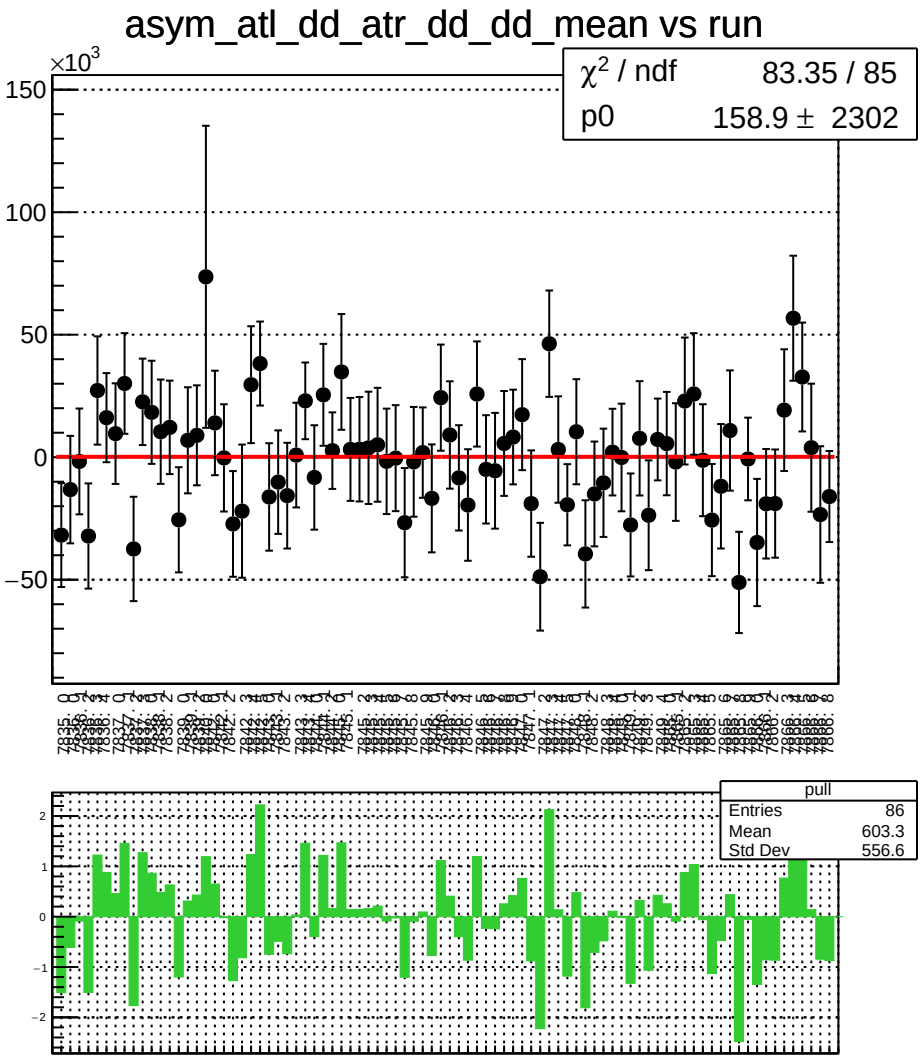

pull1D
Entries 86
Mean 0.01119
Std Dev 1.022
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

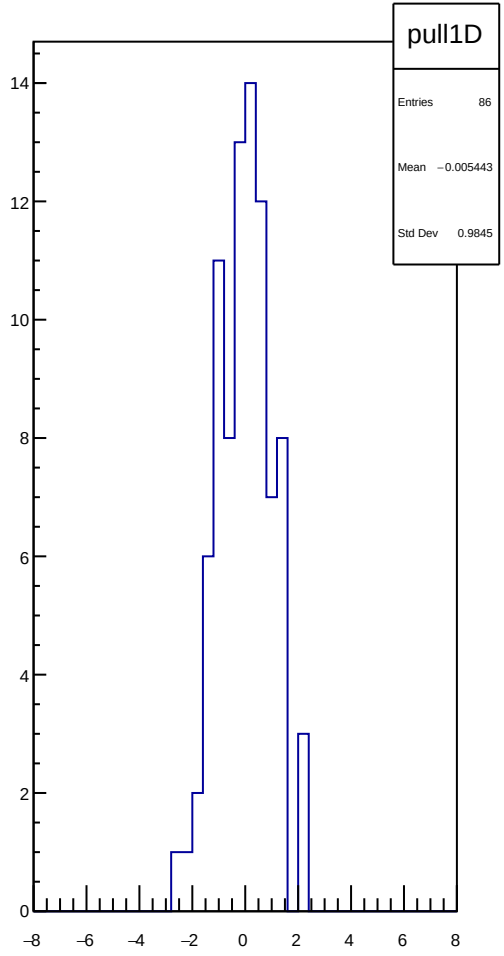
dit_asym_atl_dd_atr_dd_dd_rms vs run



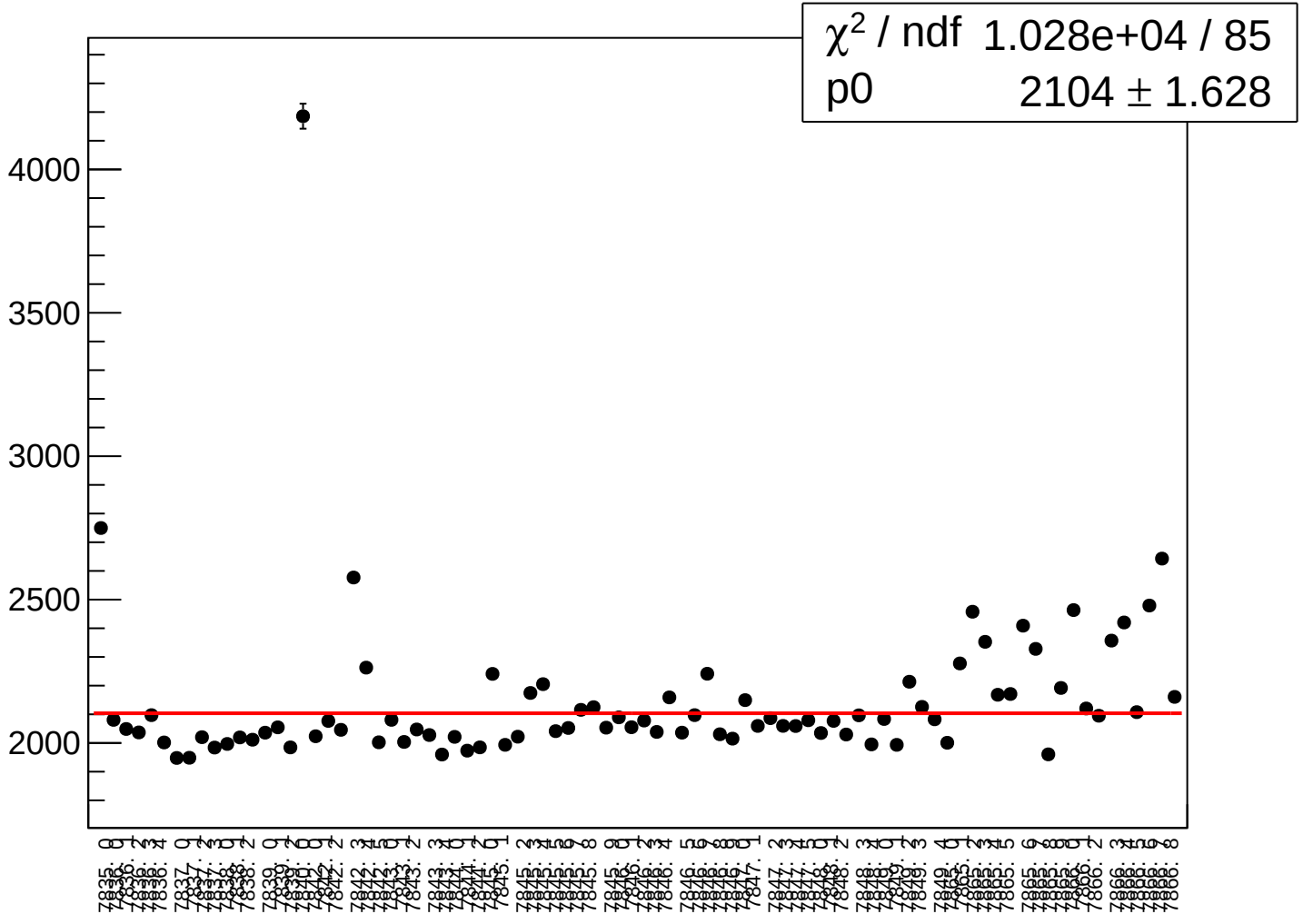

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 83.25 / 85
p0 338.3 ± 1816
pull
Entries 86
Mean 199.9
Std Dev 166.5
pull1D
Entries 86
Mean 0.01495
Std Dev 0.9838

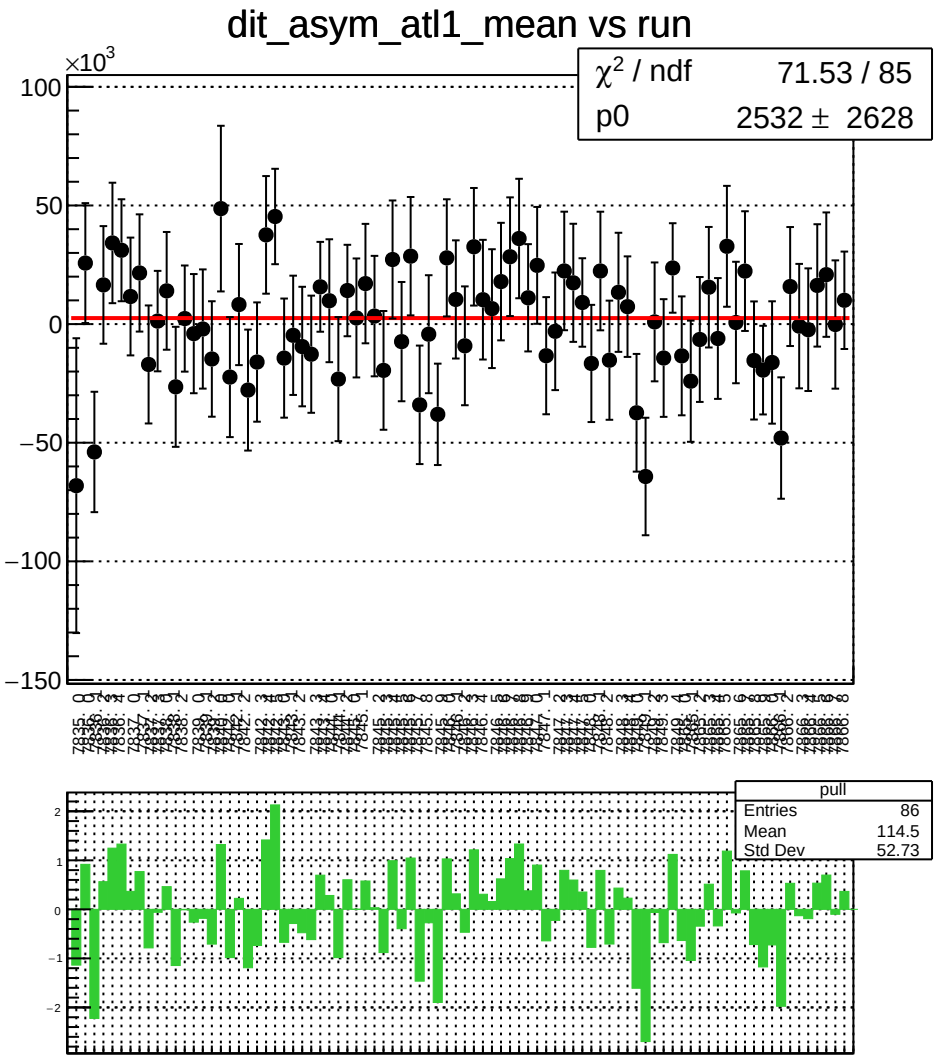

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ^2 / ndf 1.252e+04 / 85
p0 1659 ± 1.284
2400
2200
2000
1800
1600
1400

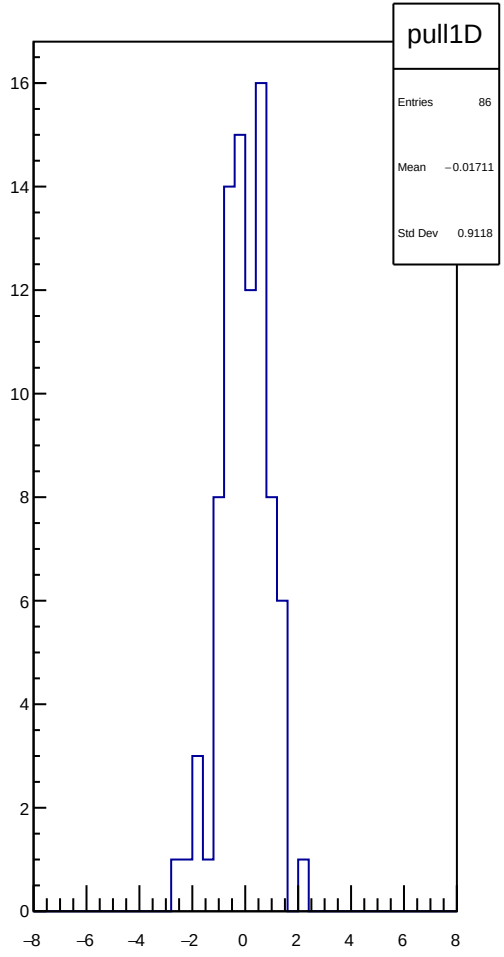

asym_atl_dd_atr_dd_dd_mean vs run
×10^3
χ² / ndf 83.35 / 85
p0 158.9 ± 2302
150
100
50
0
−50
pull
Entries 86
Mean 603.3
Std Dev 556.6
2
1
0
−1
−2


pull1D
Entries 86
Mean −0.005443
Std Dev 0.9845
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

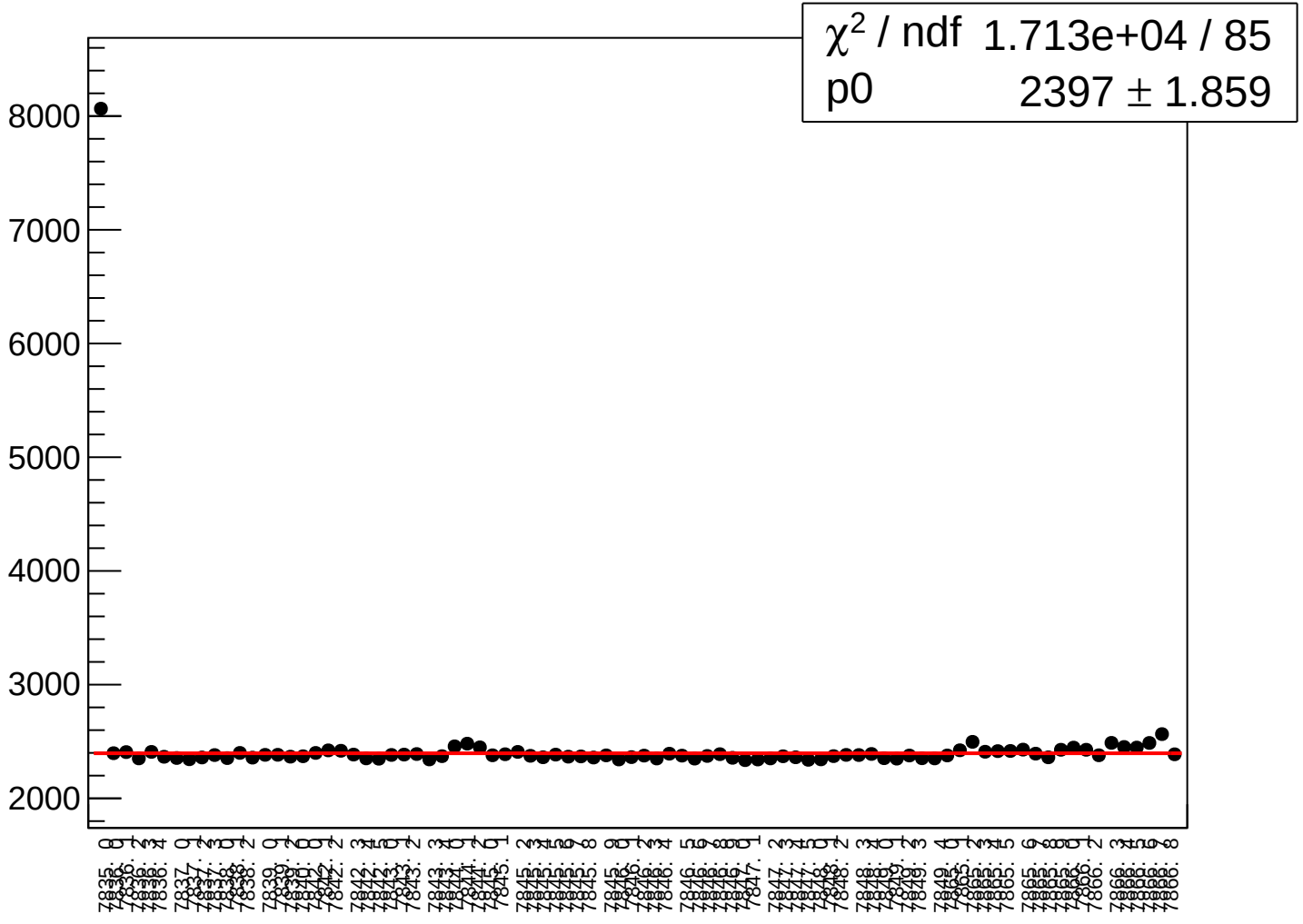
asym_atl_dd_atr_dd_dd_rms vs run

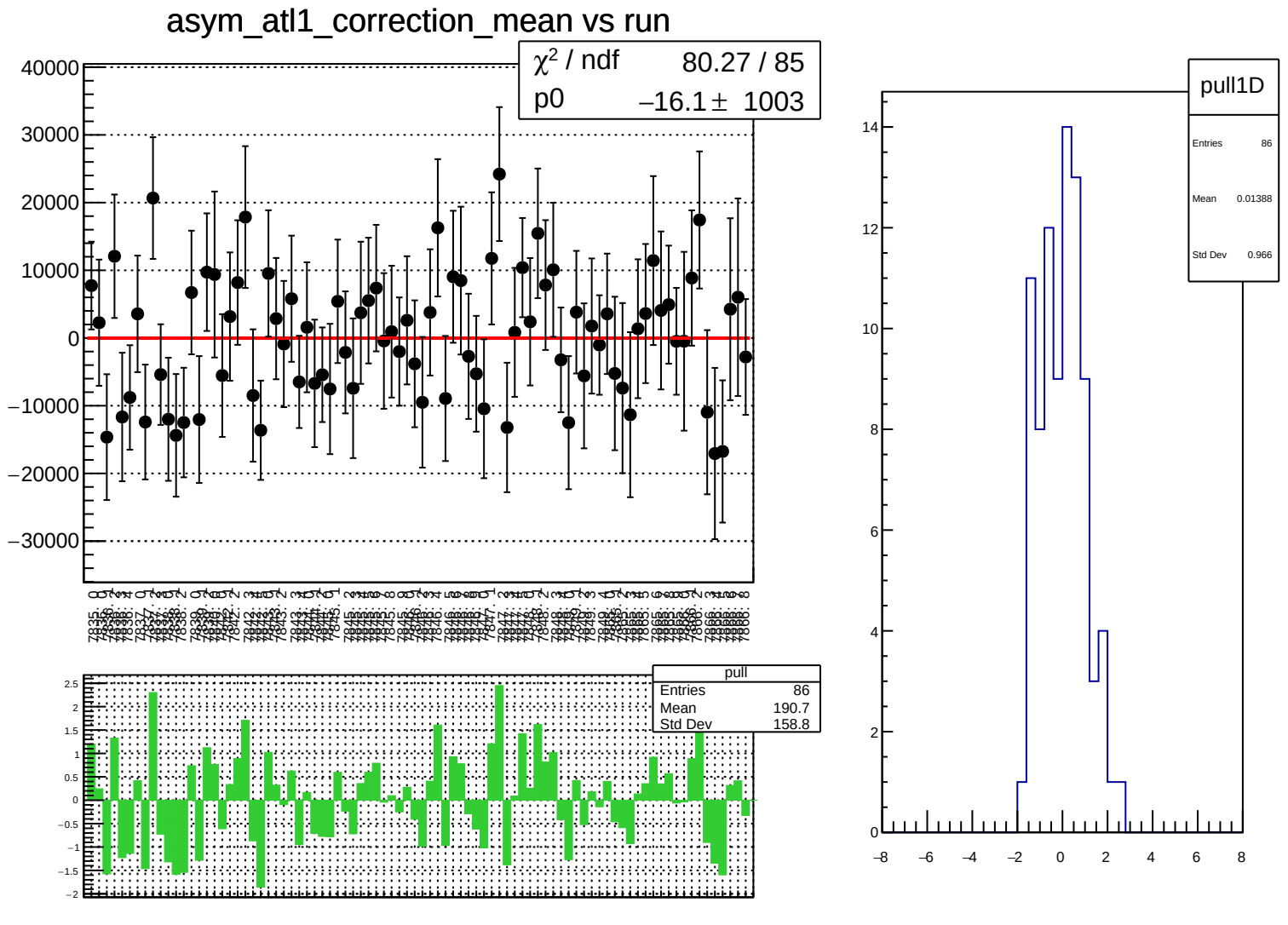



dit_asym_atl1_mean vs run
×10^3
χ² / ndf 71.53 / 85
p0 2532 ± 2628
pull
Entries 86
Mean 114.5
Std Dev 52.73

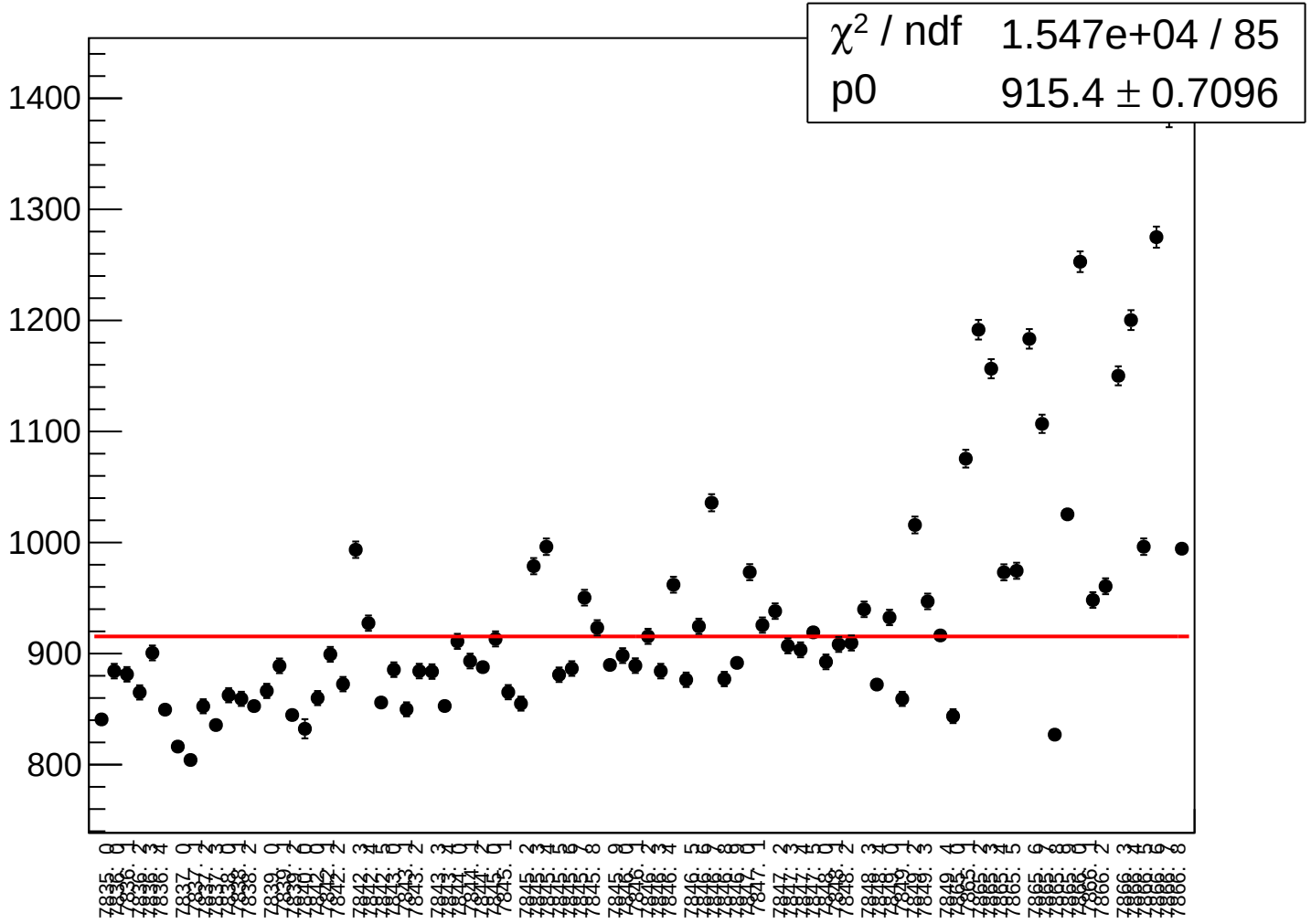

pull1D
Entries 86
Mean −0.01711
Std Dev 0.9118

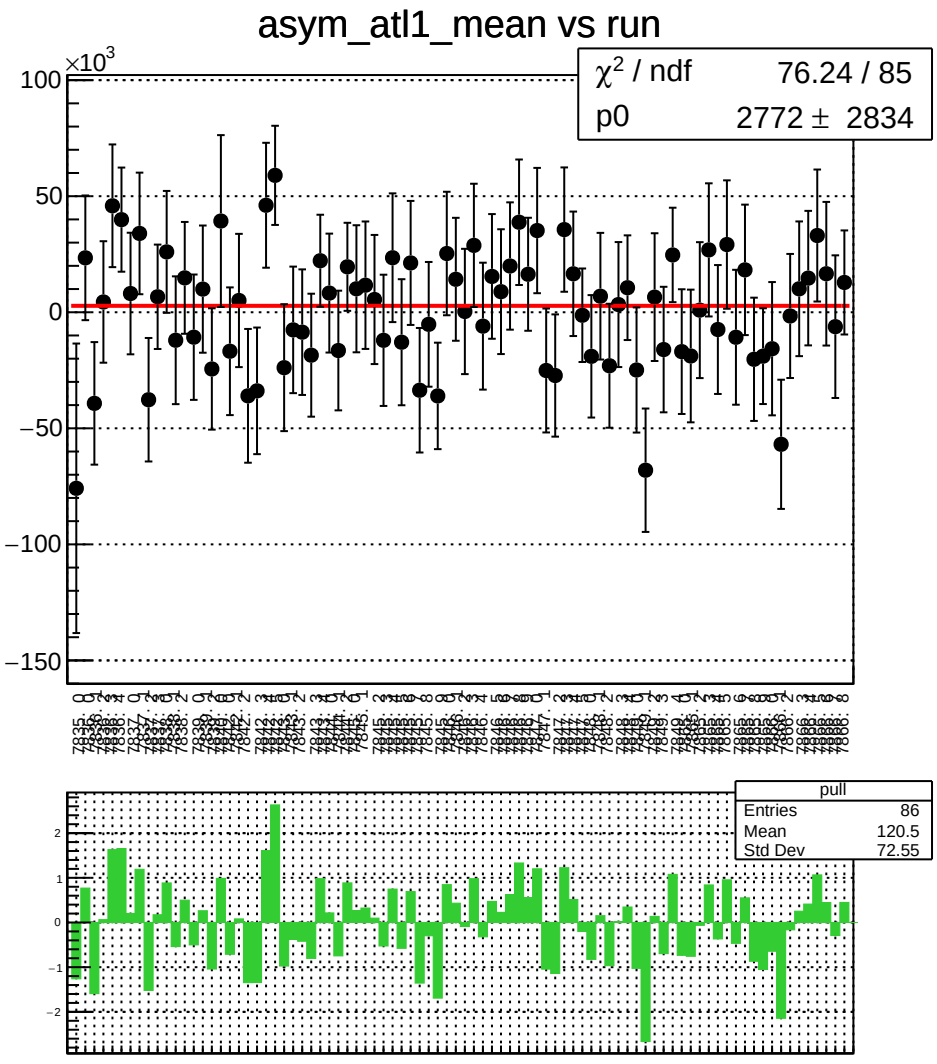
dit_asym_atl1_rms vs run

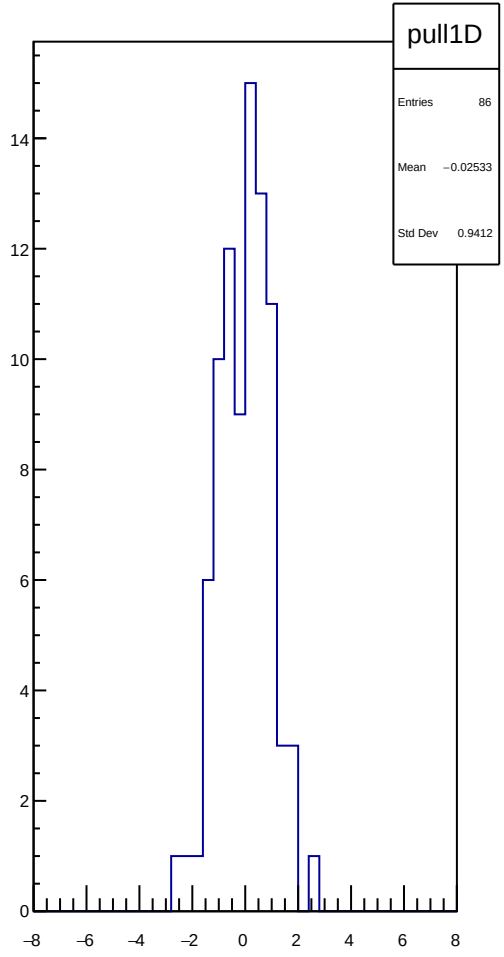



asym_atl1_correction_mean vs run
χ² / ndf 80.27 / 85
p0 −16.1 ± 1003
pull
Entries 86
Mean 190.7
Std Dev 158.8
pull1D
Entries 86
Mean 0.01388
Std Dev 0.966

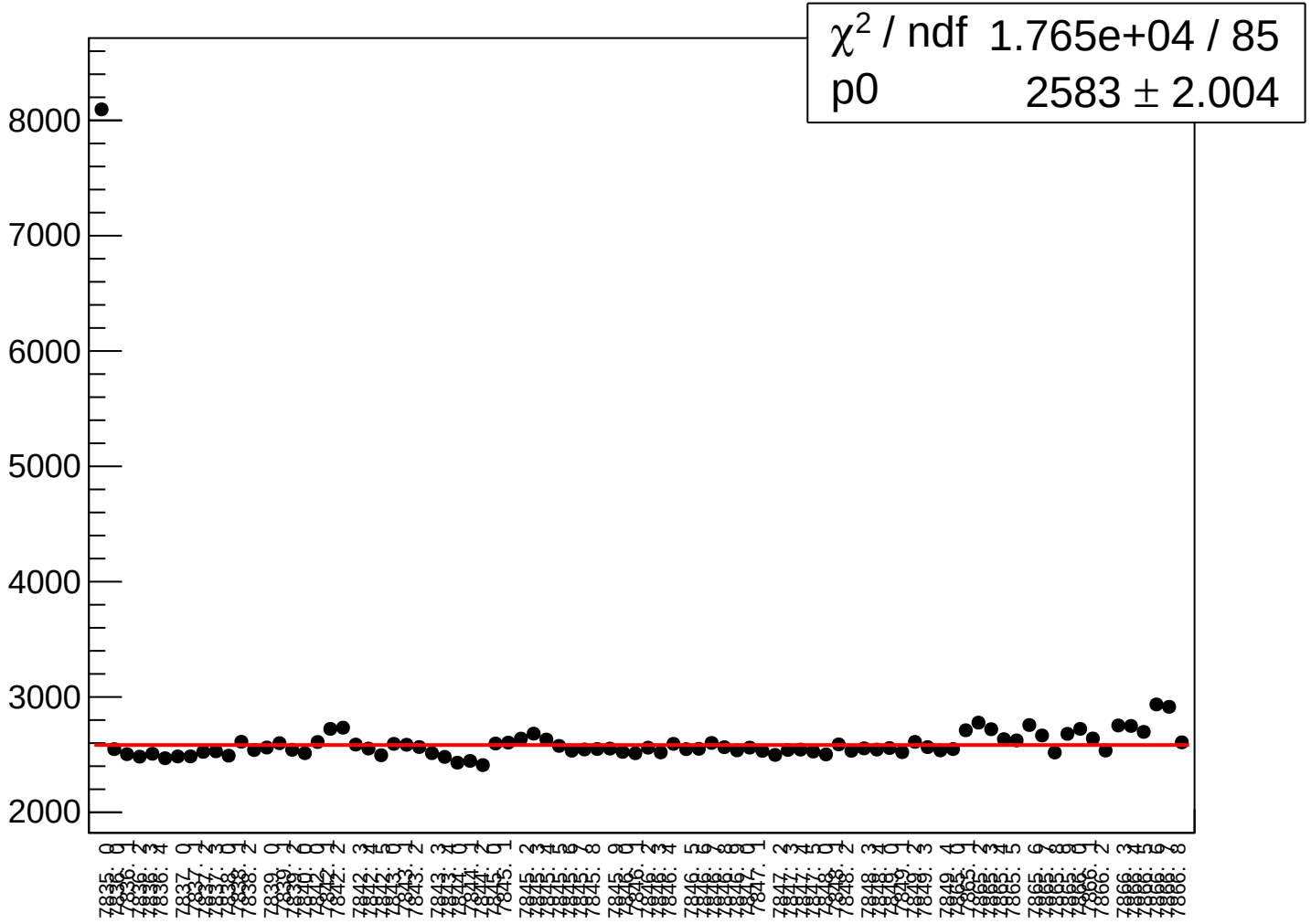
asym_atl1_correction_rms vs run

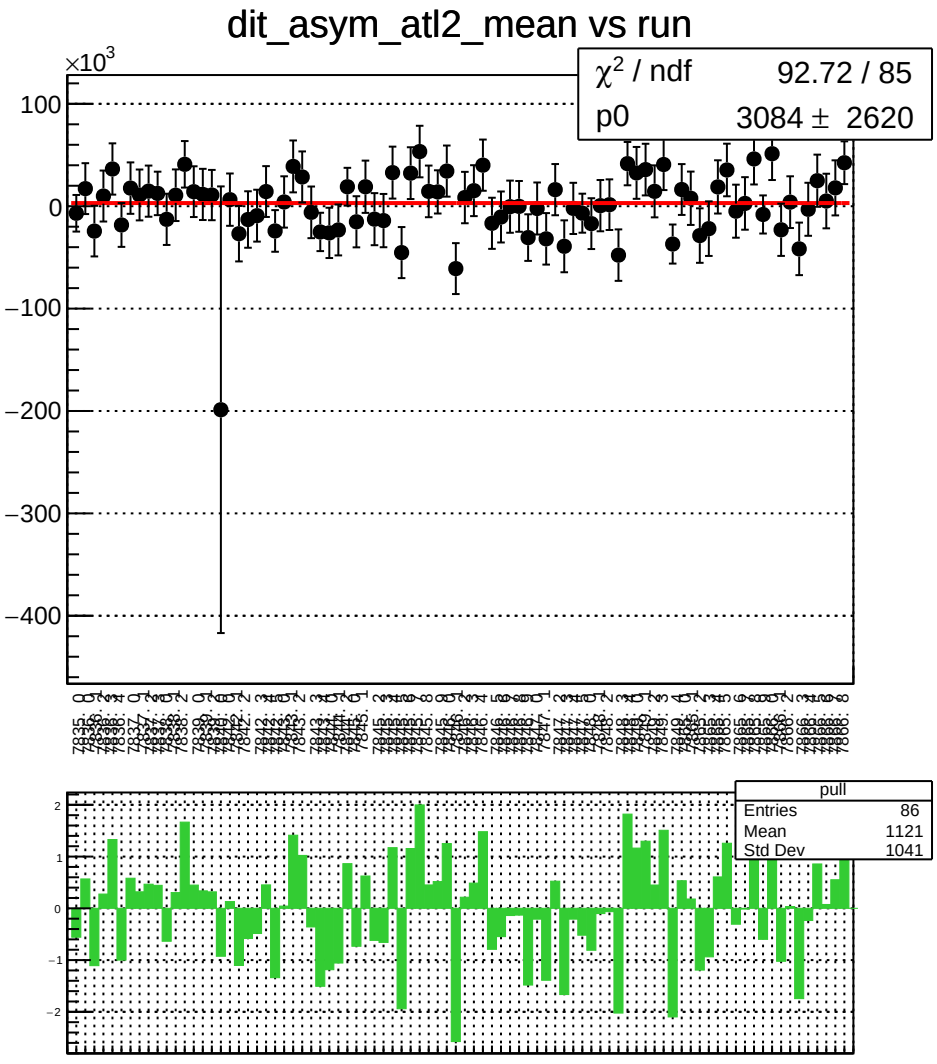


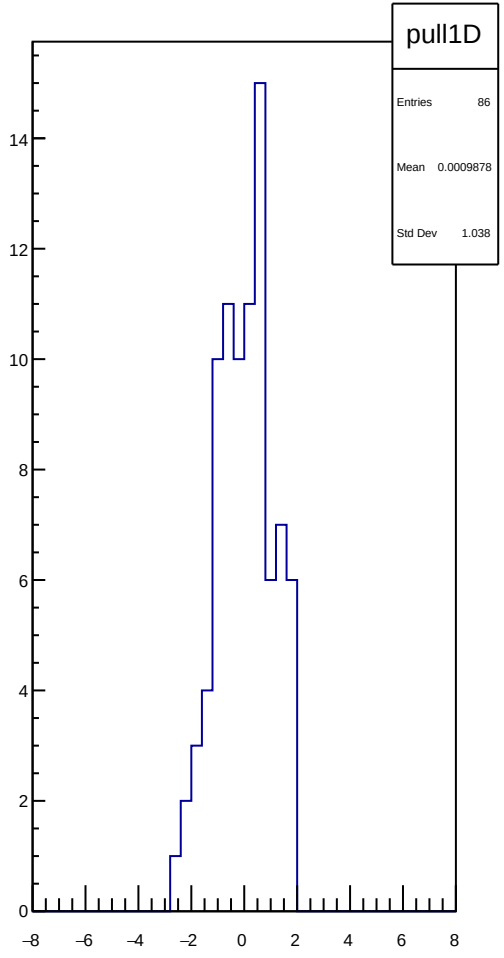

asym_atl1_mean vs run
χ^2 / ndf 76.24 / 85
p0 2772 ± 2834
×10^3
pull
Entries 86
Mean 120.5
Std Dev 72.55


pull1D
Entries 86
Mean −0.02533
Std Dev 0.9412

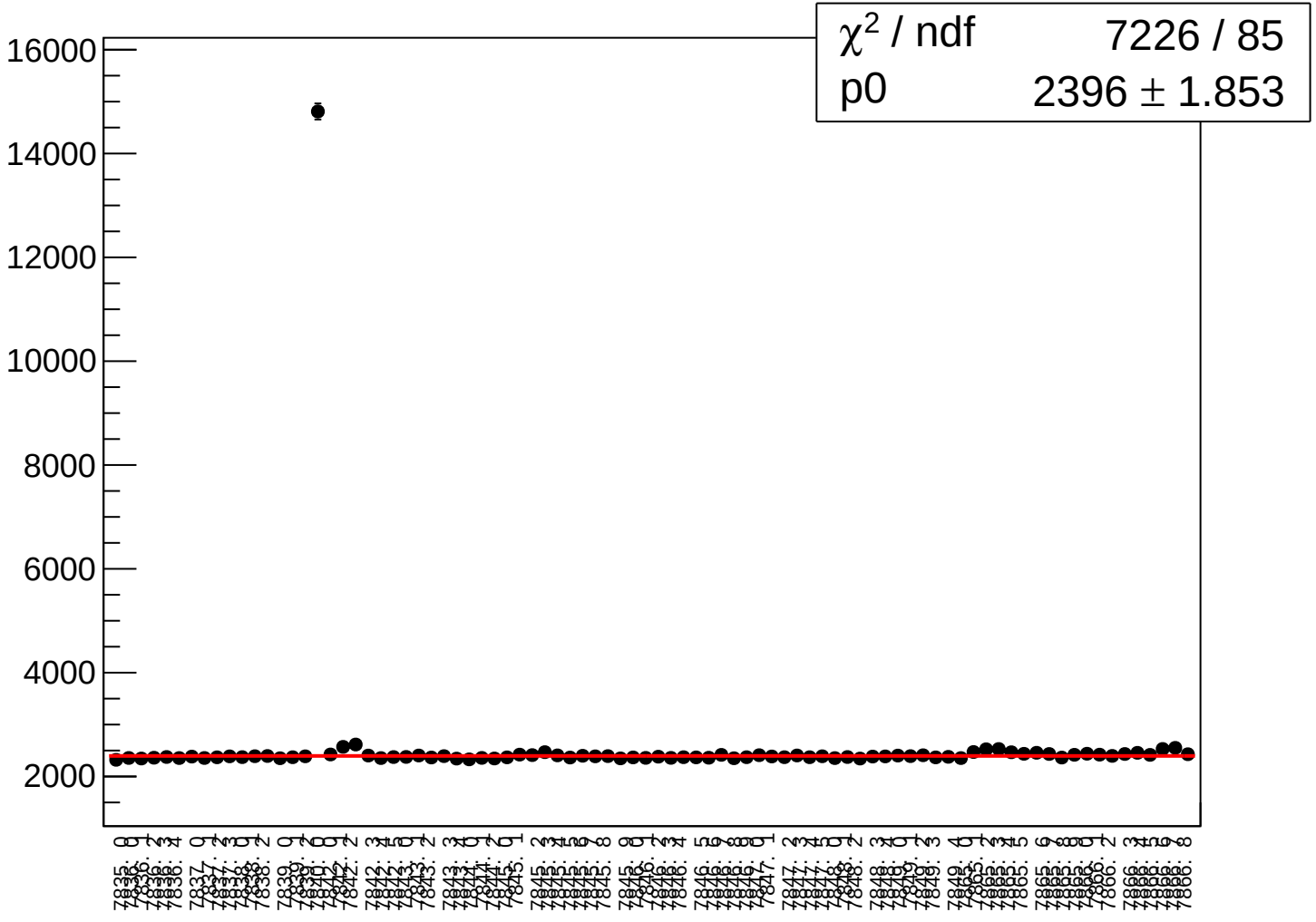
asym_atl1_rms vs run



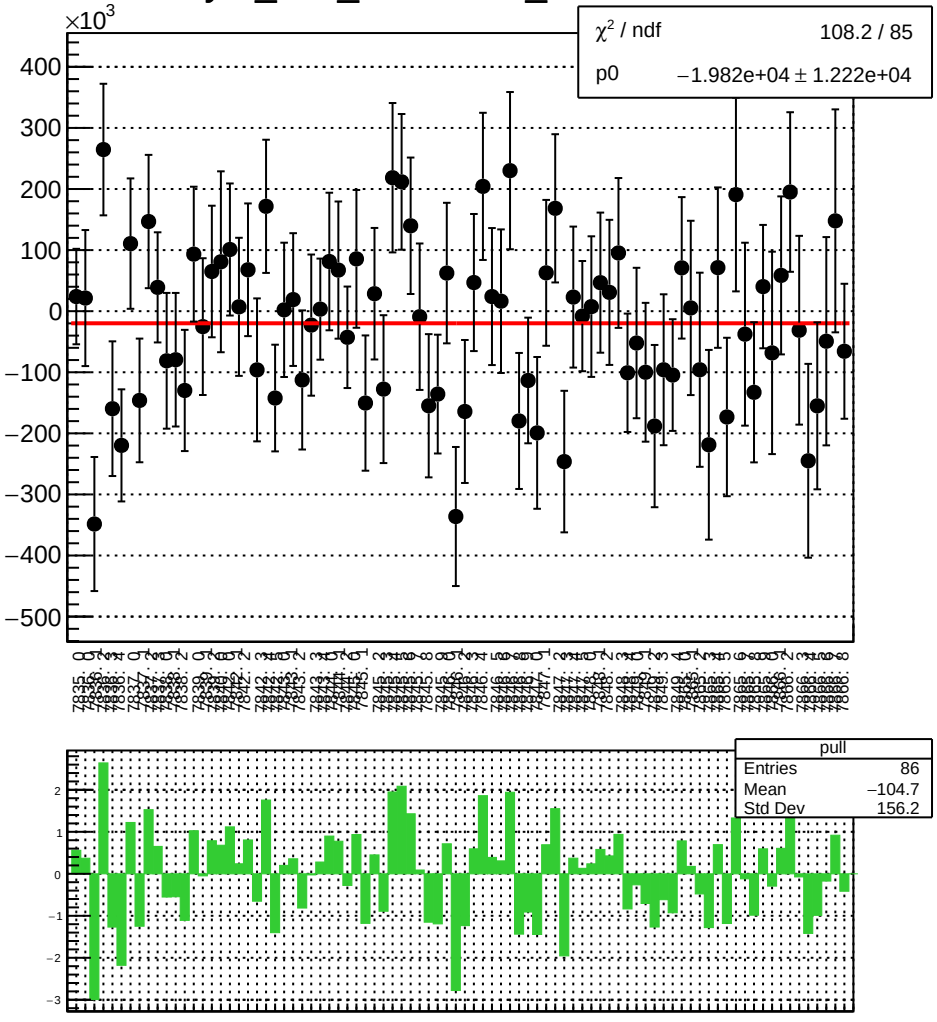

dit_asym_atl2_mean vs run
×10^3
χ² / ndf 92.72 / 85
p0 3084 ± 2620
pull
Entries 86
Mean 1121
Std Dev 1041

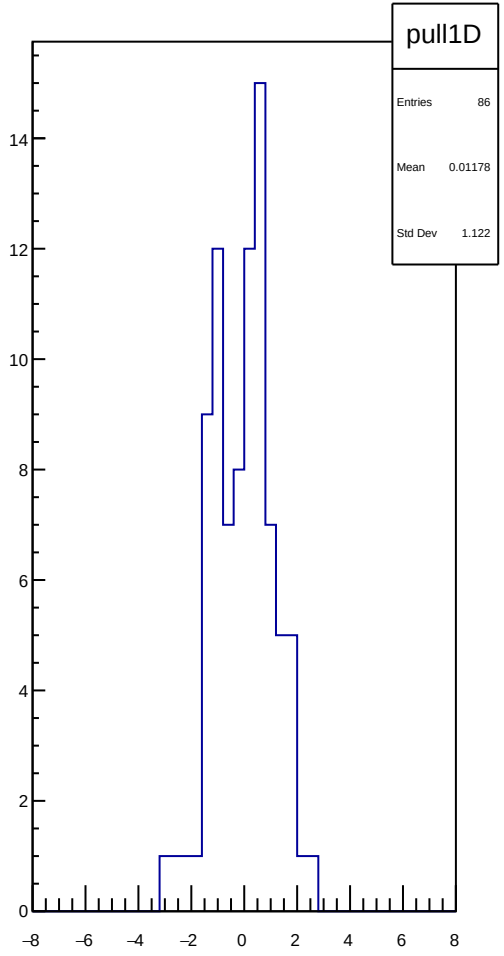

pull1D
Entries 86
Mean 0.0009878
Std Dev 1.038

dit_asym_atl2_rms vs run

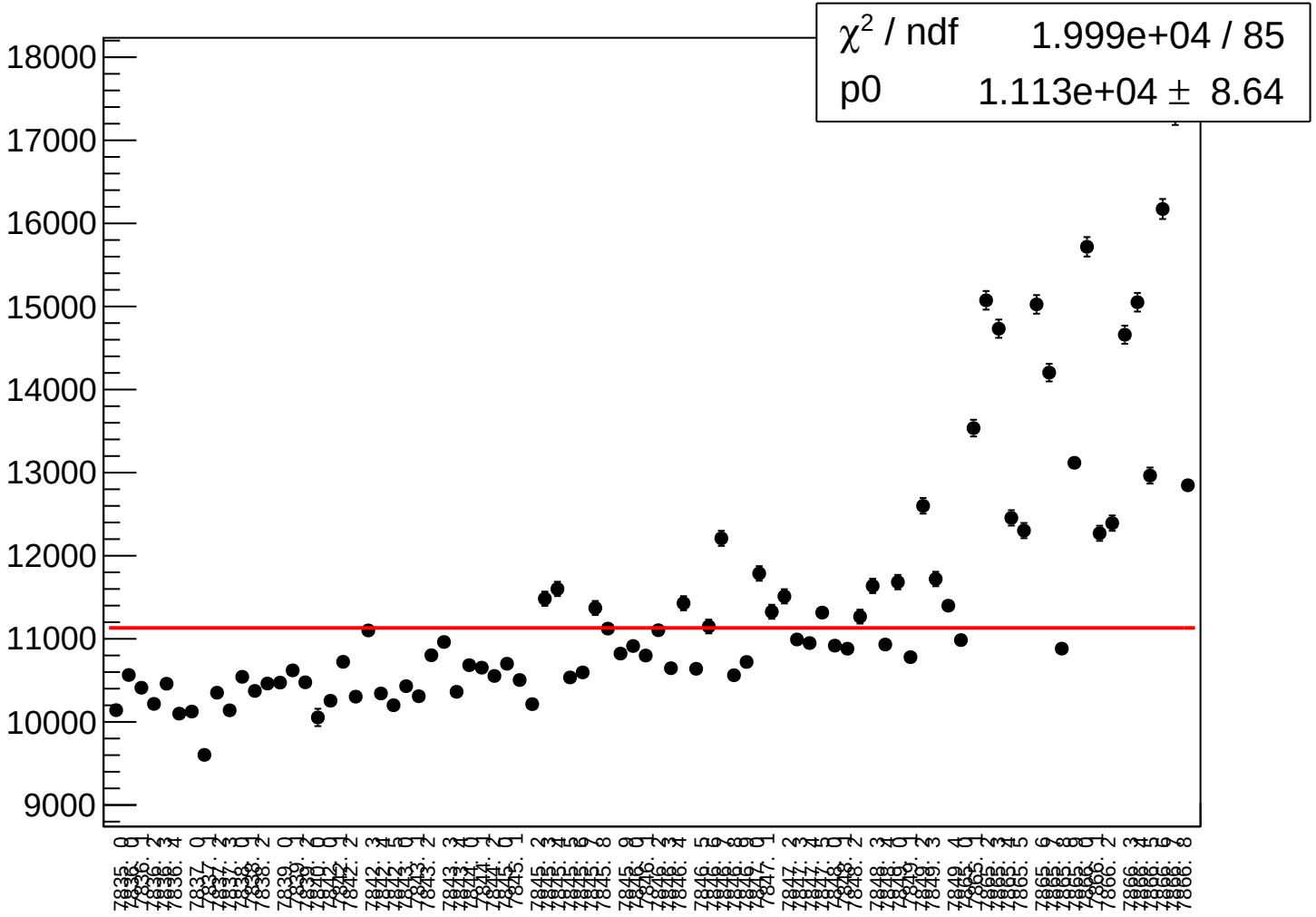


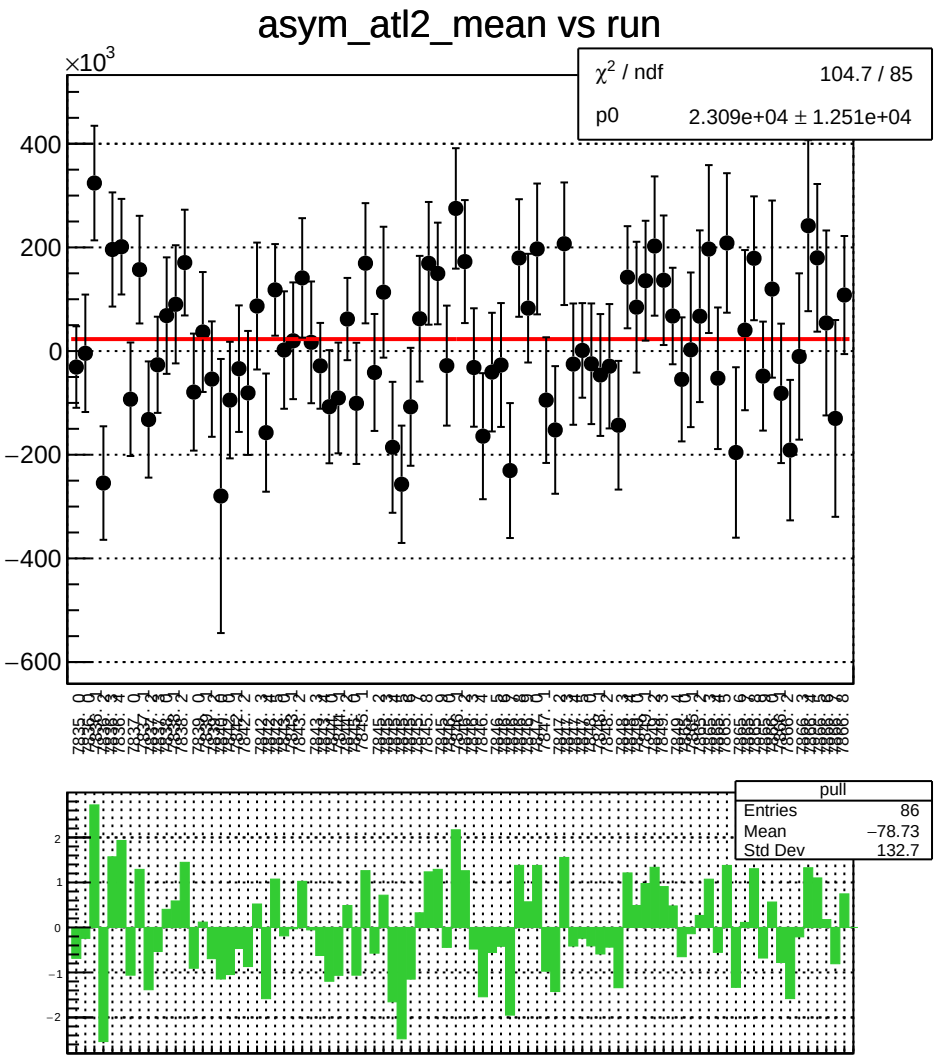
asym_atl2_correction_mean vs run

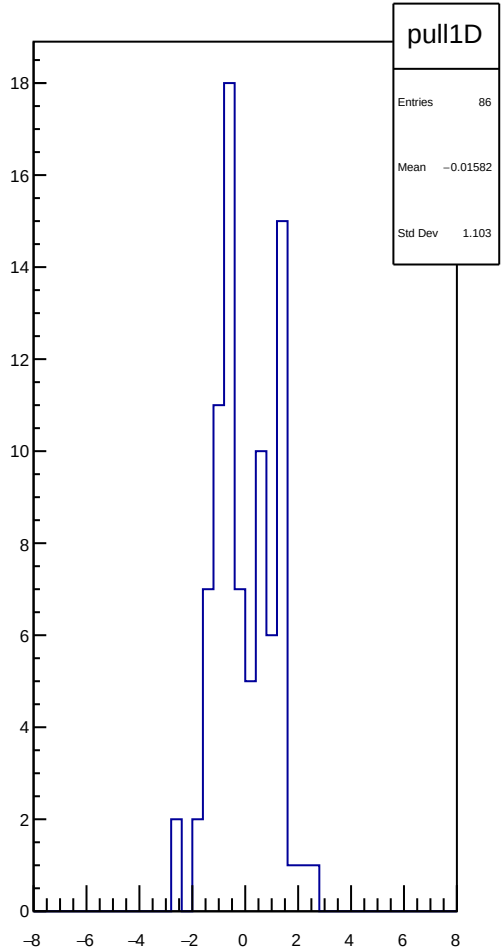




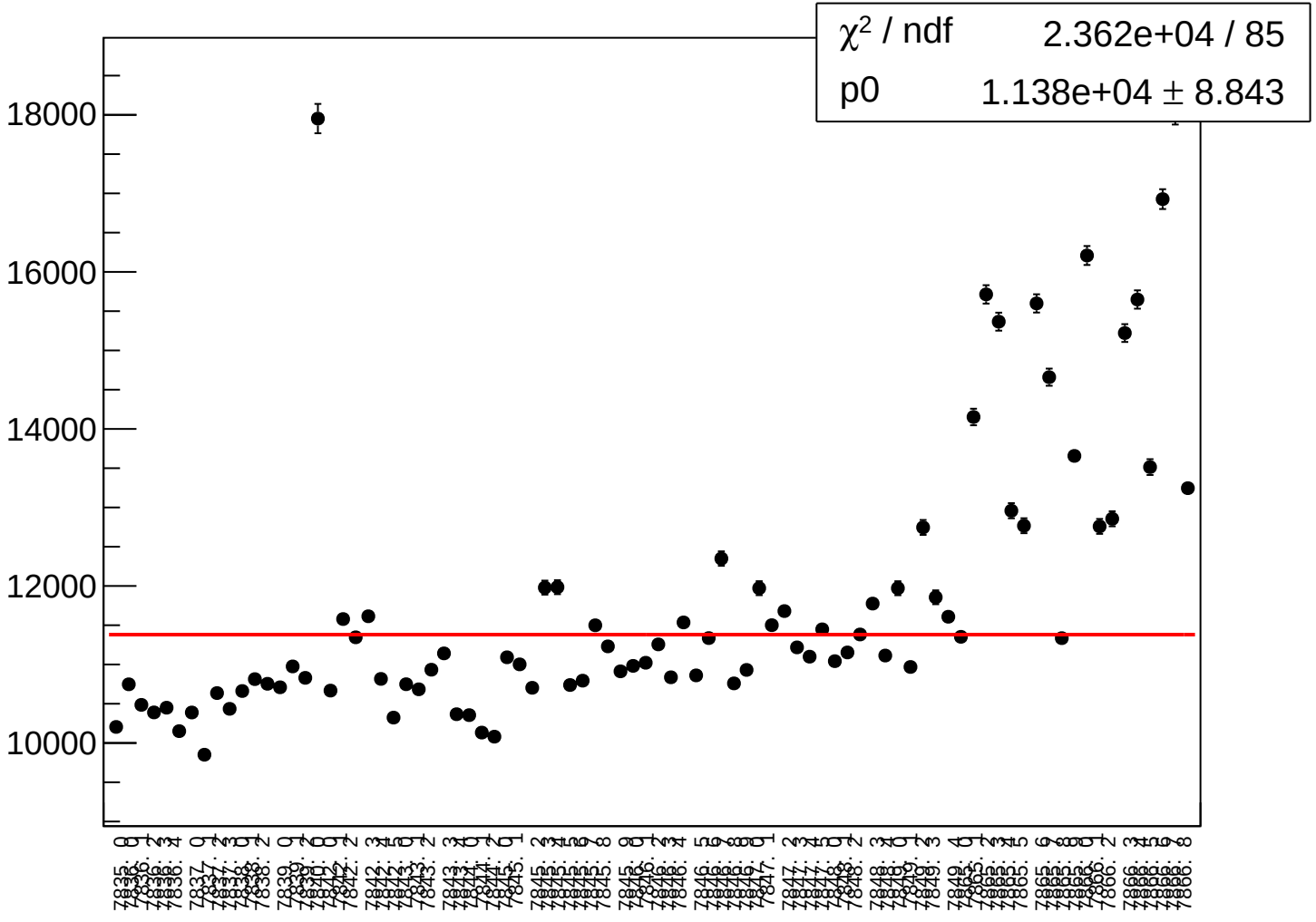
asym_atl2_correction_rms vs run

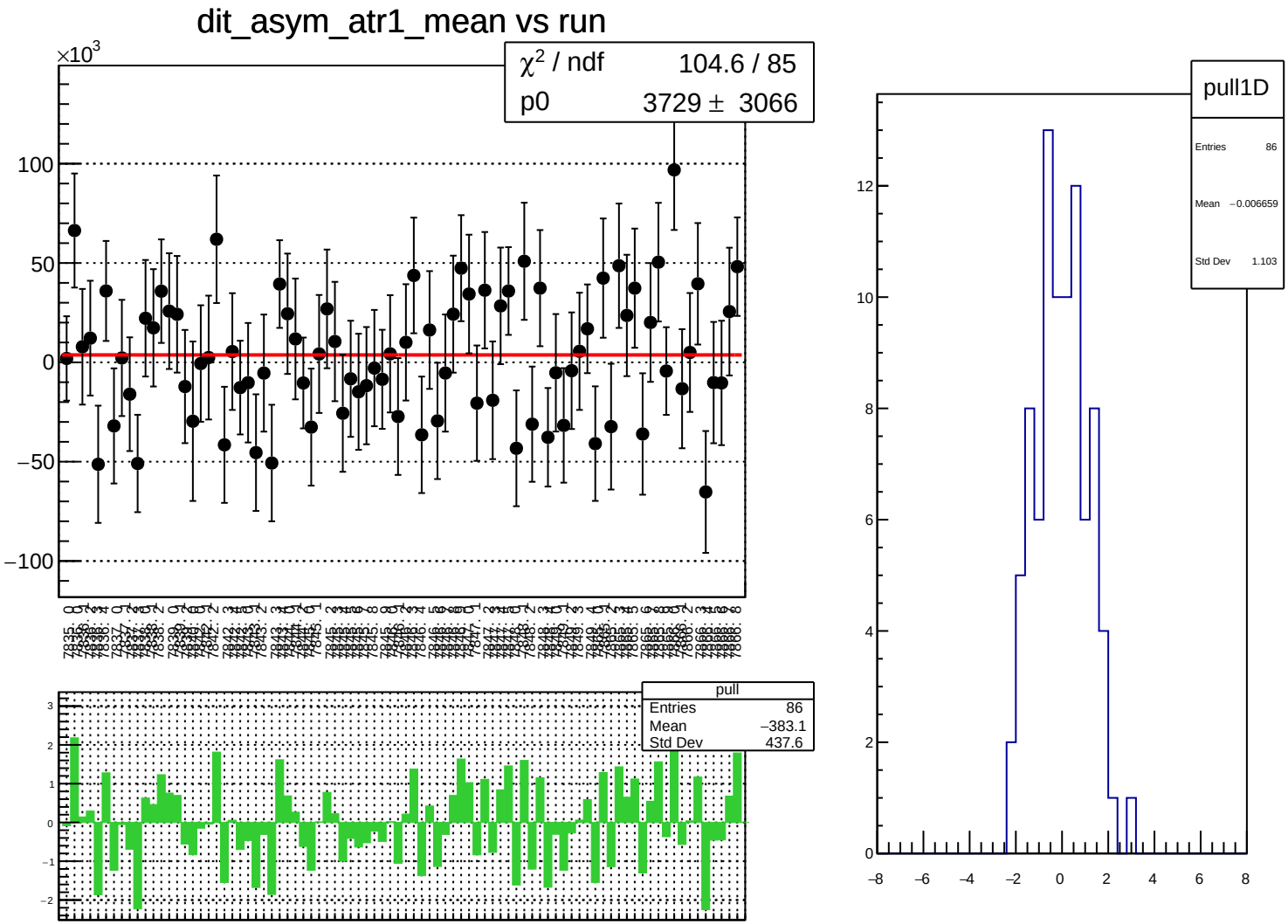



asym_atl2_mean vs run
×10^3
χ² / ndf 104.7 / 85
p0 2.309e+04 ± 1.251e+04
400
200
0
−200
−400
−600
pull
Entries 86
Mean −78.73
Std Dev 132.7
2
1
0
−1
−2

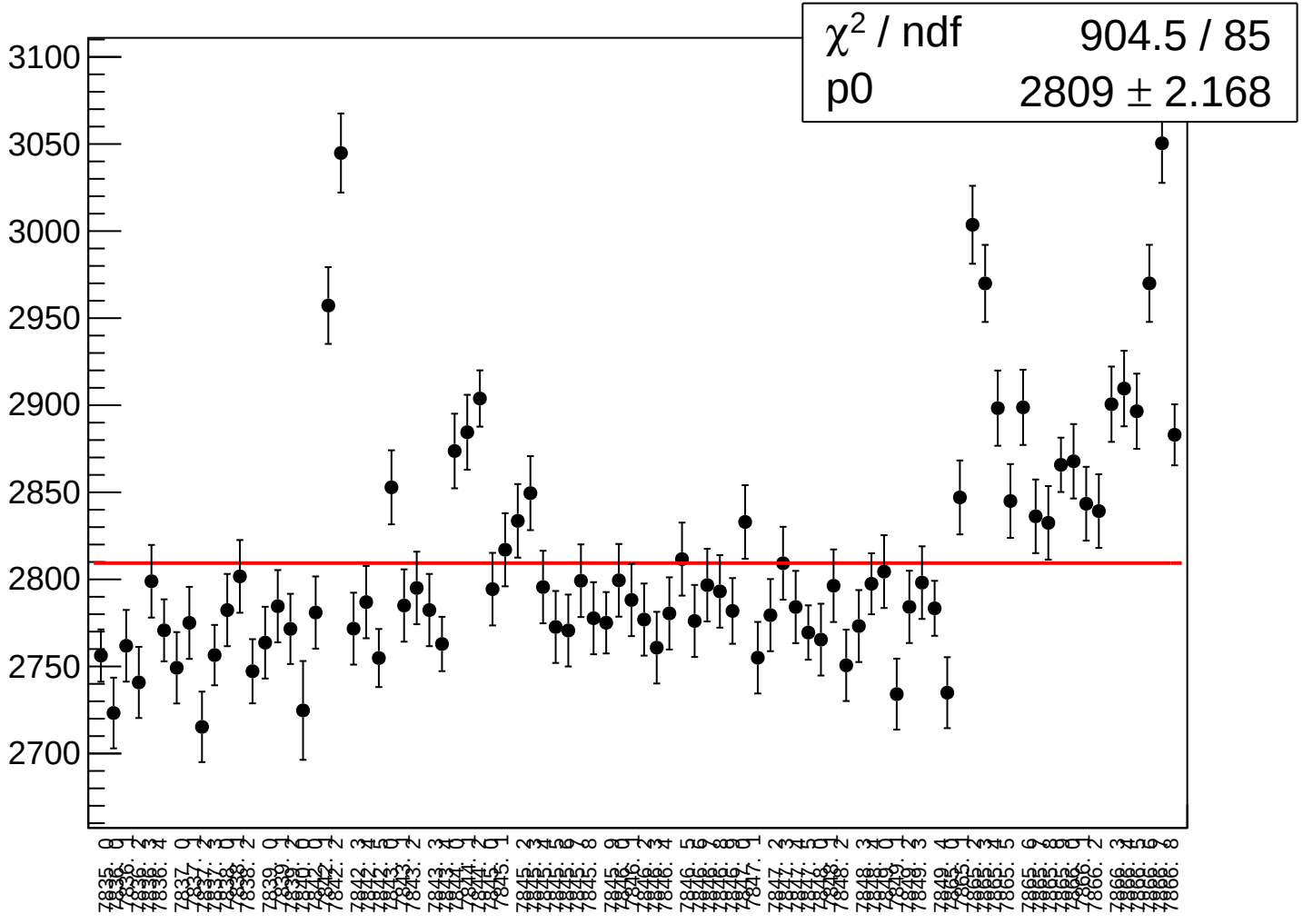

pull1D
Entries 86
Mean −0.01582
Std Dev 1.103
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

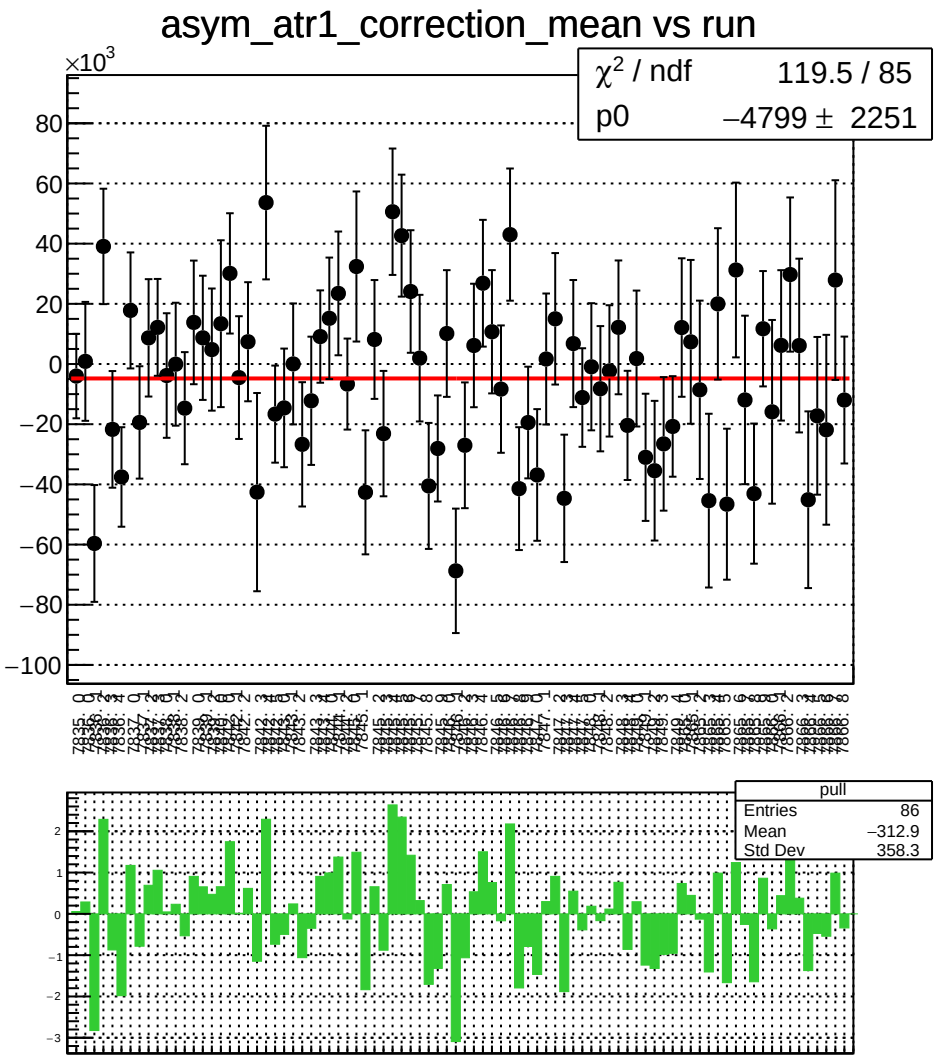
asym_atl2_rms vs run

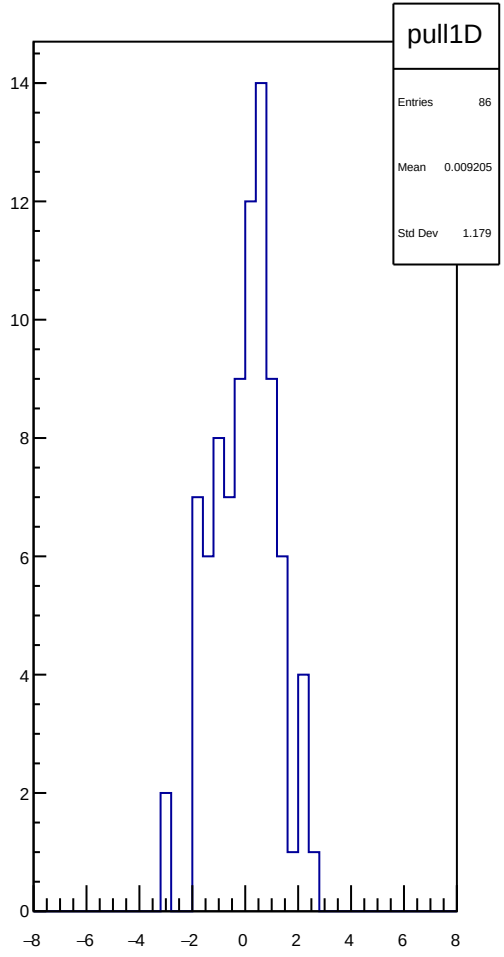



dit_asym_atr1_mean vs run
×10^3
χ² / ndf 104.6 / 85
p0 3729 ± 3066
100
50
0
−50
−100
pull
Entries 86
Mean −383.1
Std Dev 437.6
3
2
1
0
−1
−2
pull1D
Entries 86
Mean −0.006659
Std Dev 1.103
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

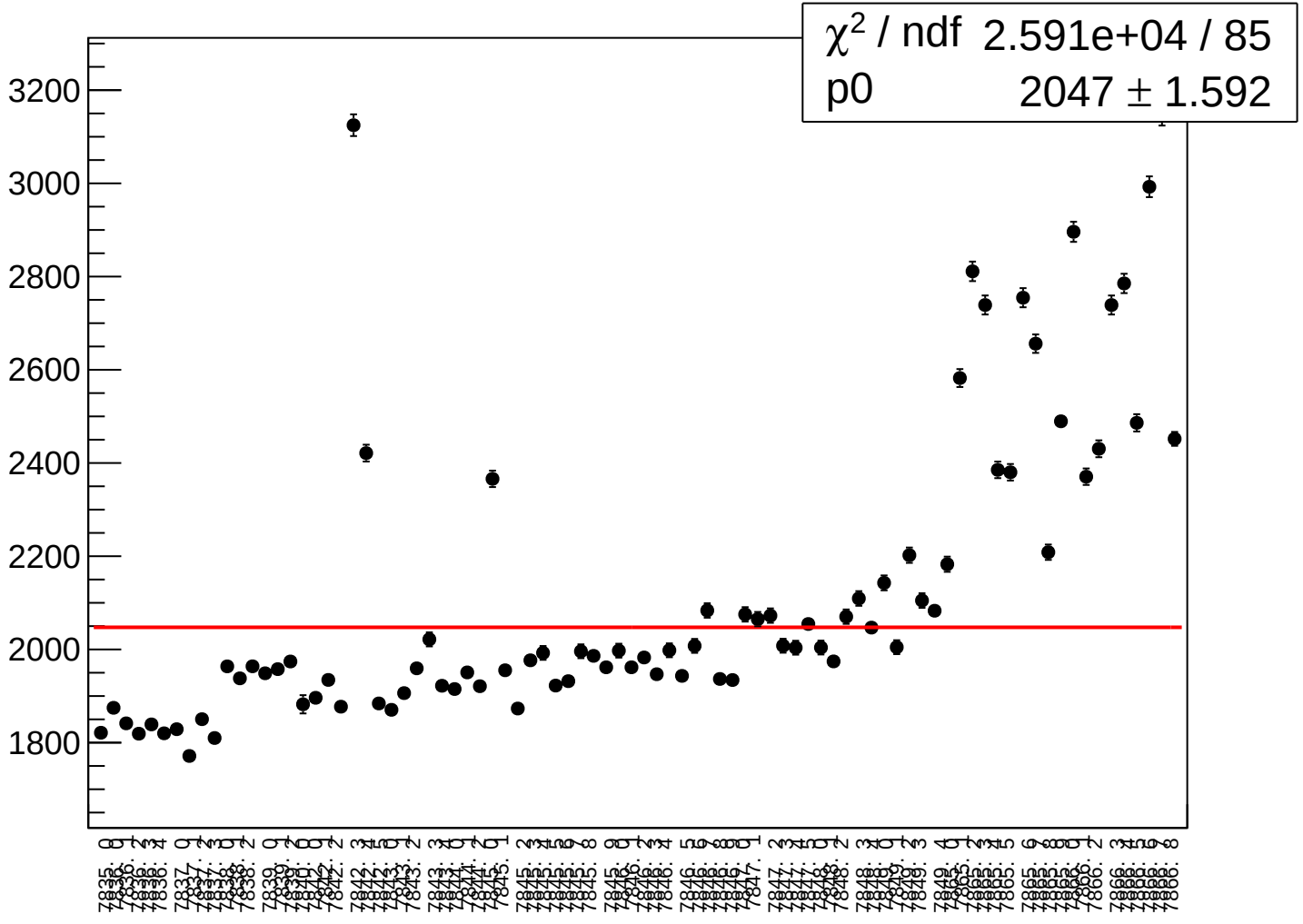
dit_asym_atr1_rms vs run

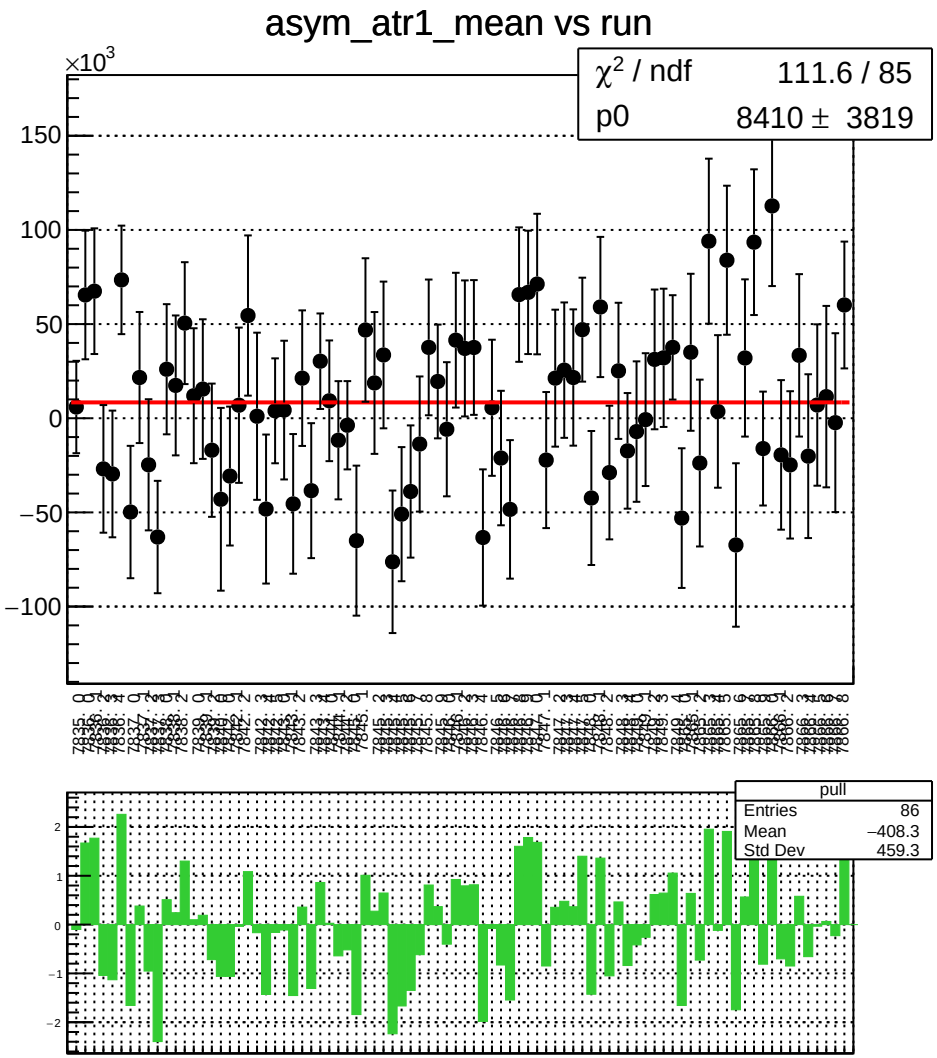


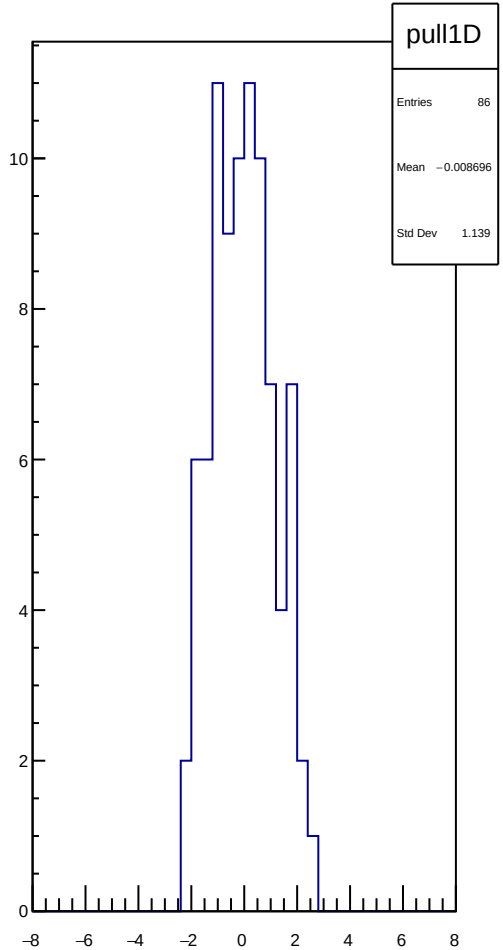

asym_atr1_correction_mean vs run
×10^3
χ² / ndf 119.5 / 85
p0 −4799 ± 2251
pull
Entries 86
Mean −312.9
Std Dev 358.3

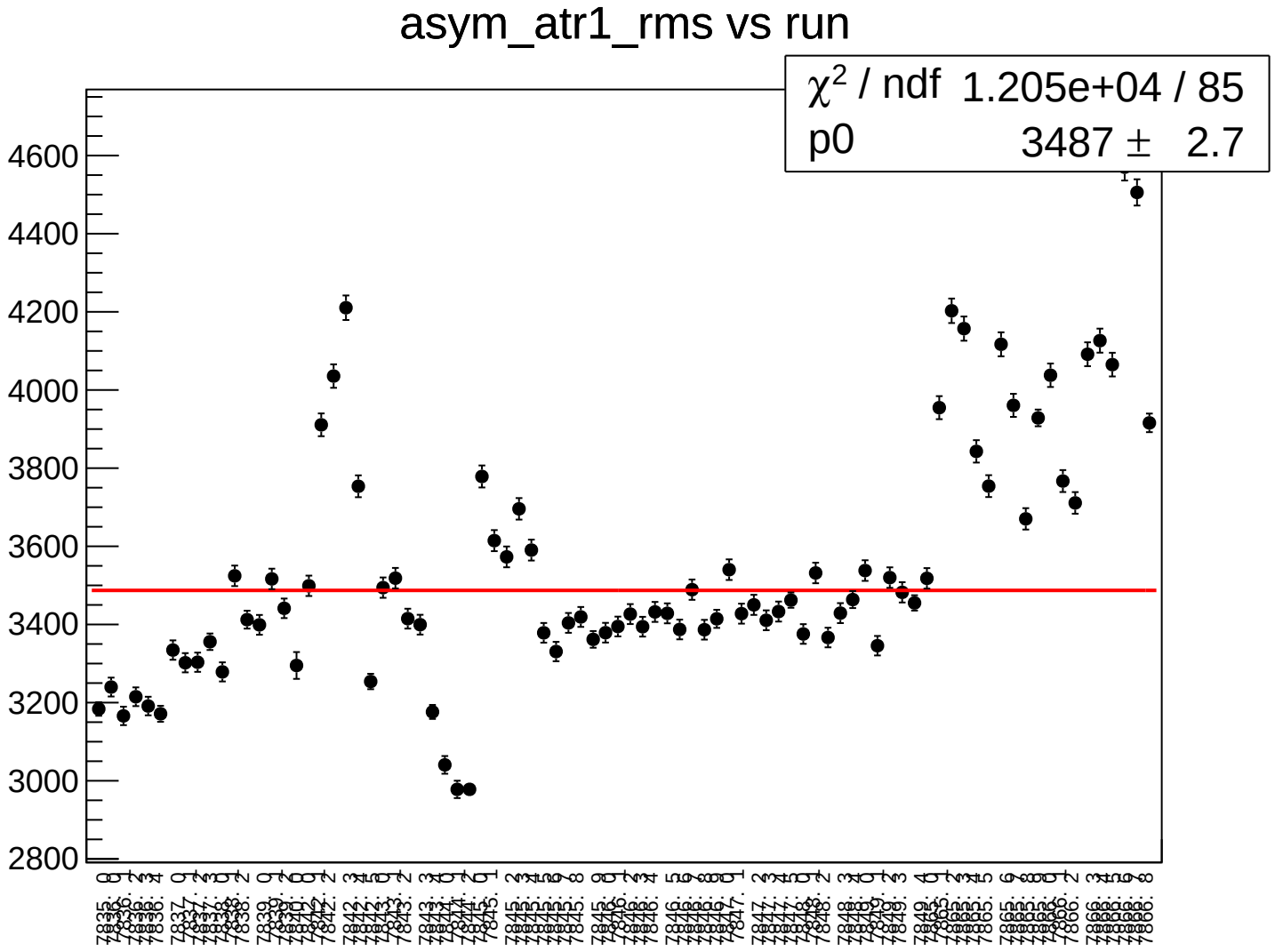

pull1D
Entries 86
Mean 0.009205
Std Dev 1.179

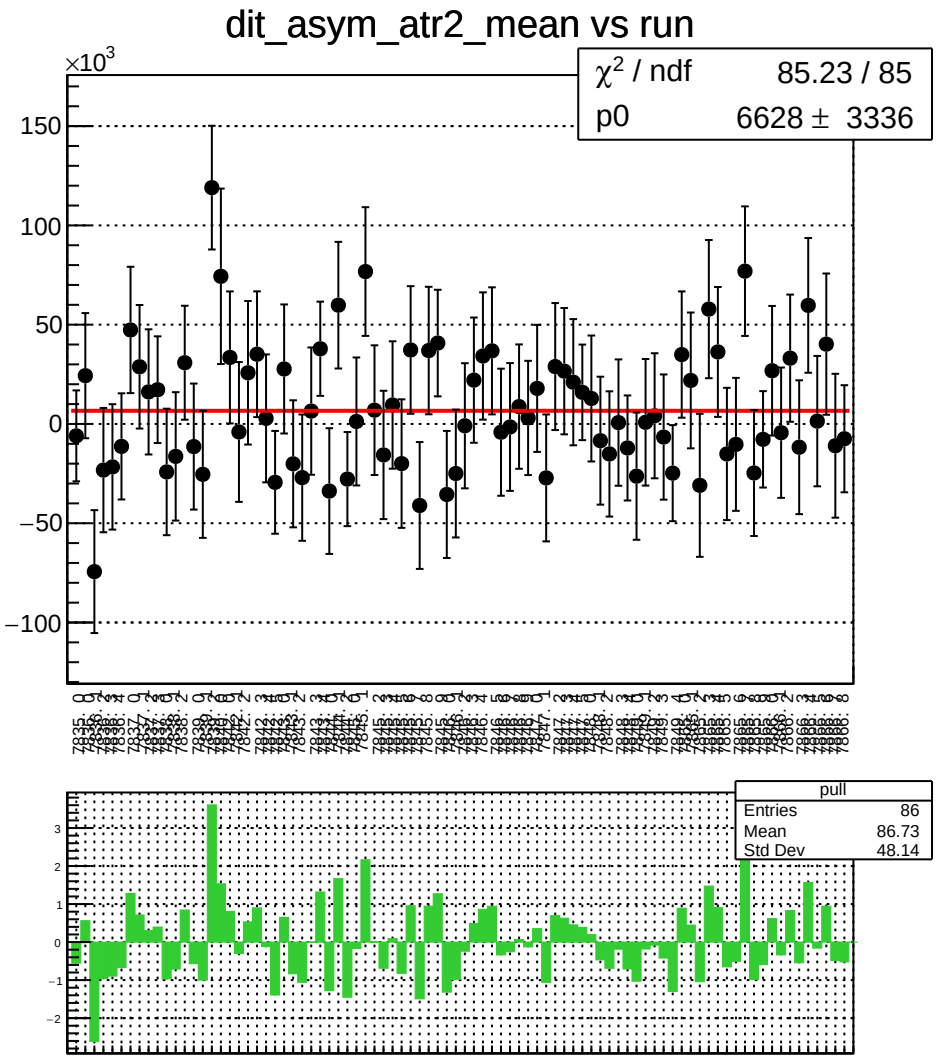
asym_atr1_correction_rms vs run

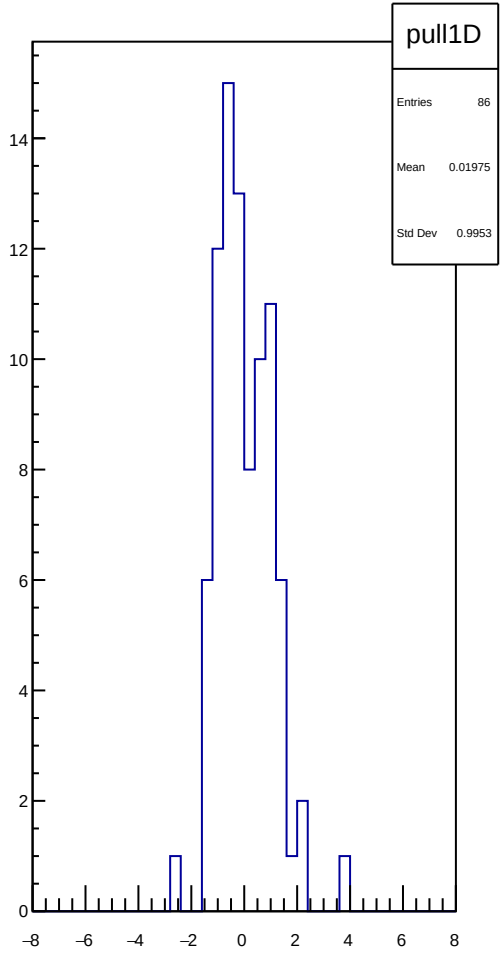



asym_atr1_mean vs run
×10^3
χ² / ndf 111.6 / 85
p0 8410 ± 3819
150
100
50
0
−50
−100
pull
Entries 86
Mean −408.3
Std Dev 459.3
2
1
0
−1
−2

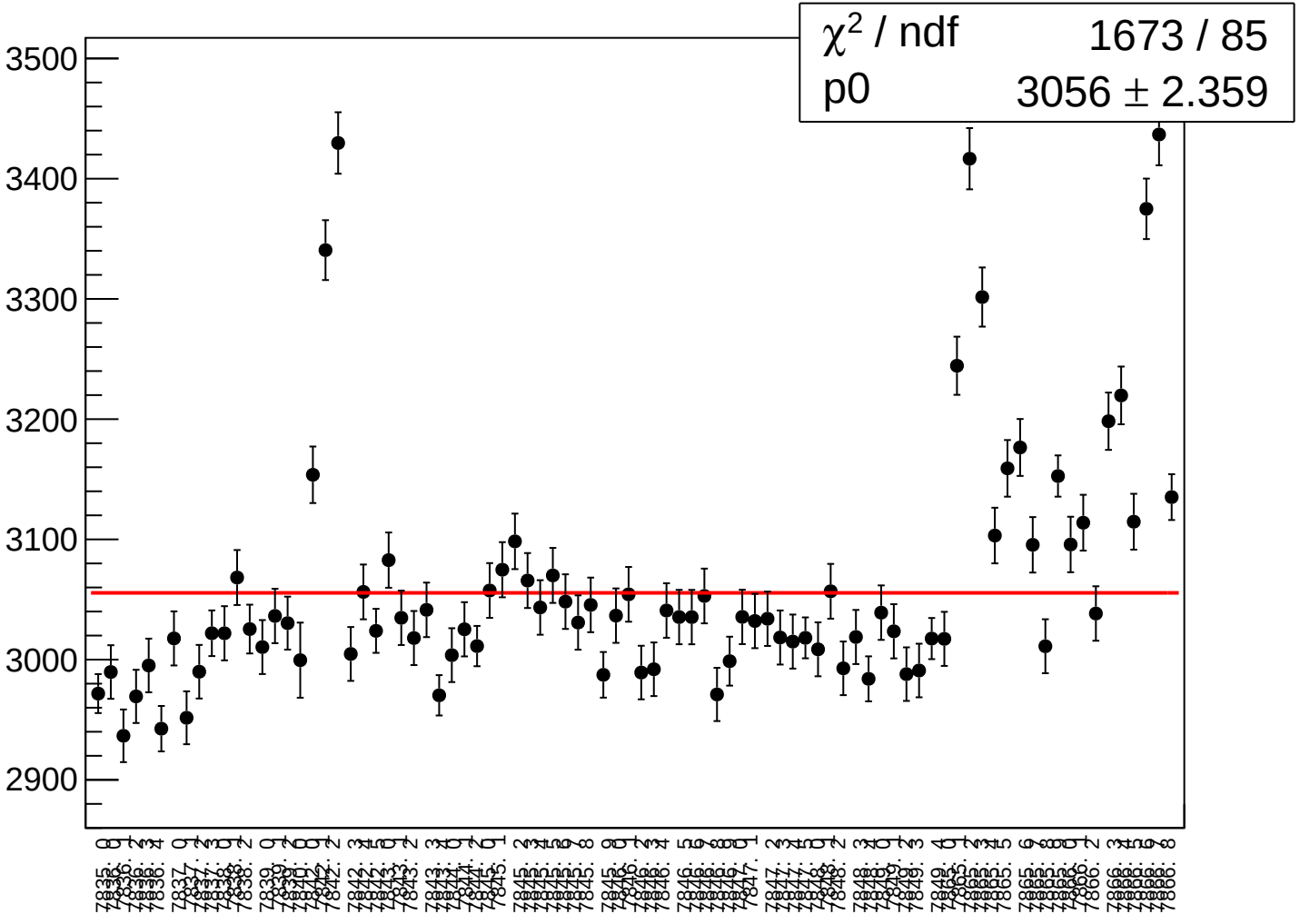

pull1D
Entries 86
Mean −0.008696
Std Dev 1.139
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

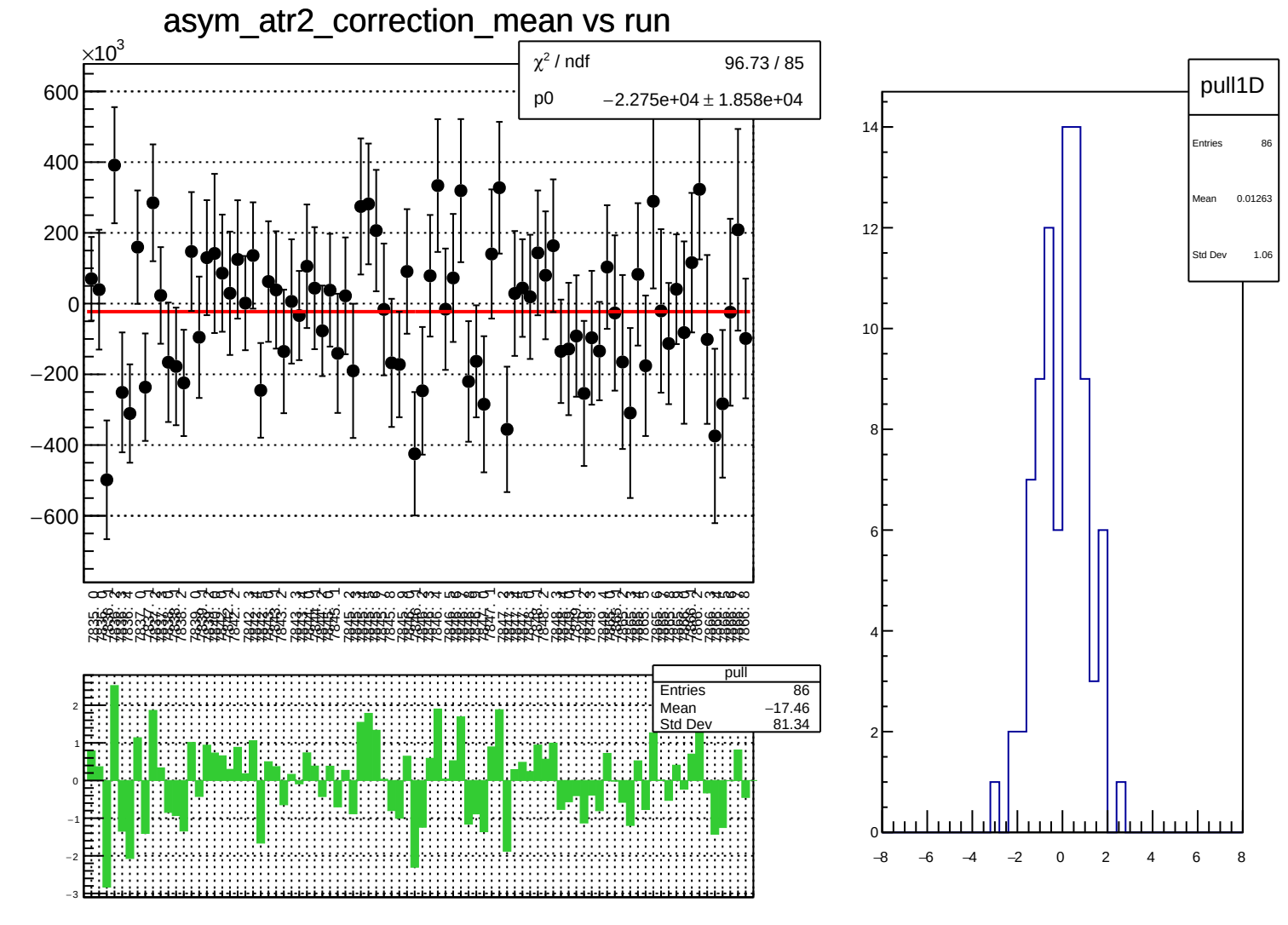

asym_atr1_rms vs run
χ2 / ndf 1.205e+04 / 85
p0 3487 ± 2.7
4600
4400
4200
4000
3800
3600
3400
3200
3000
2800


dit_asym_atr2_mean vs run
×10^3
χ² / ndf 85.23 / 85
p0 6628 ± 3336
150
100
50
0
−50
−100
pull
Entries 86
Mean 86.73
Std Dev 48.14
3
2
1
0
−1
−2

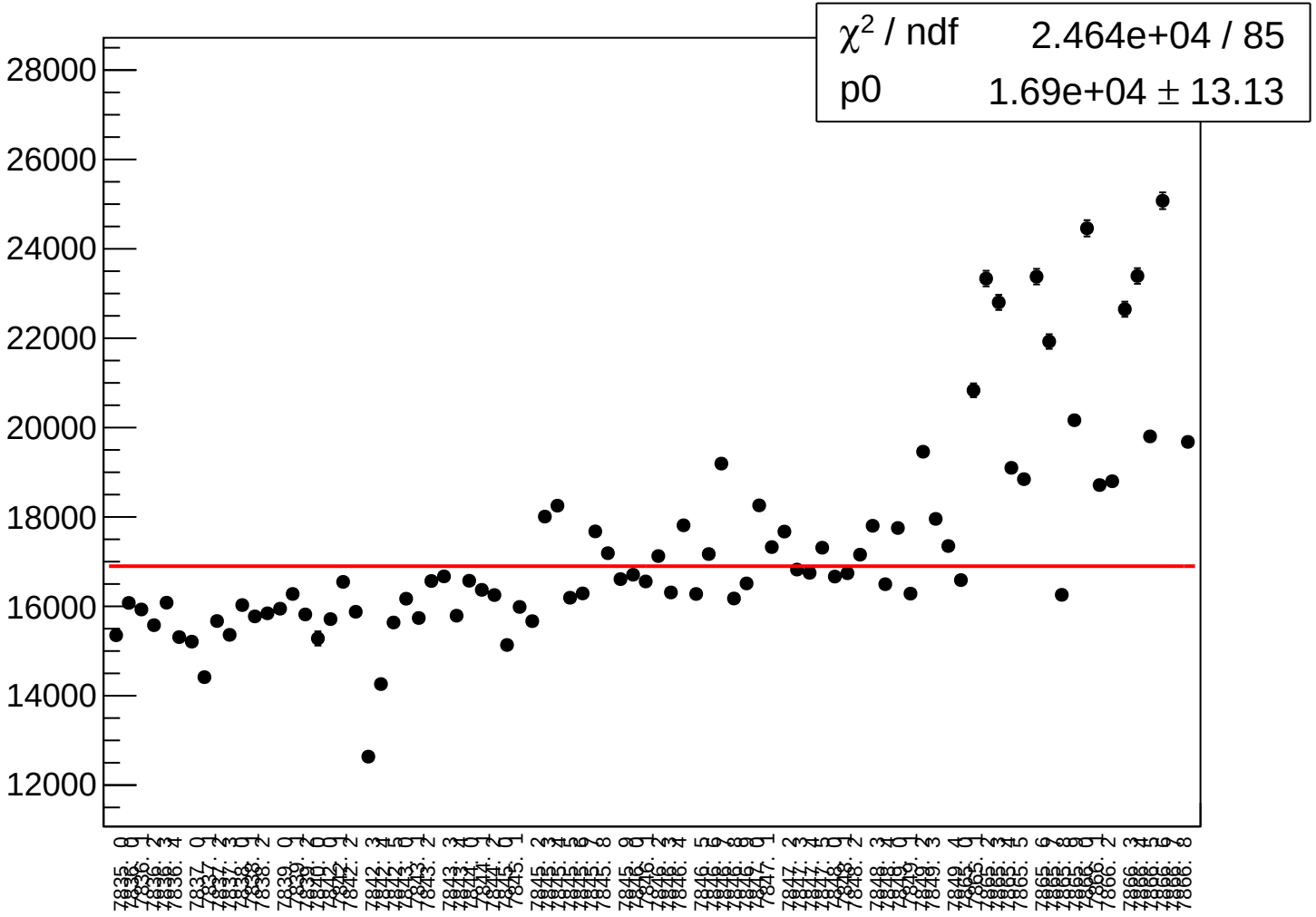

pull1D
Entries 86
Mean 0.01975
Std Dev 0.9953
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

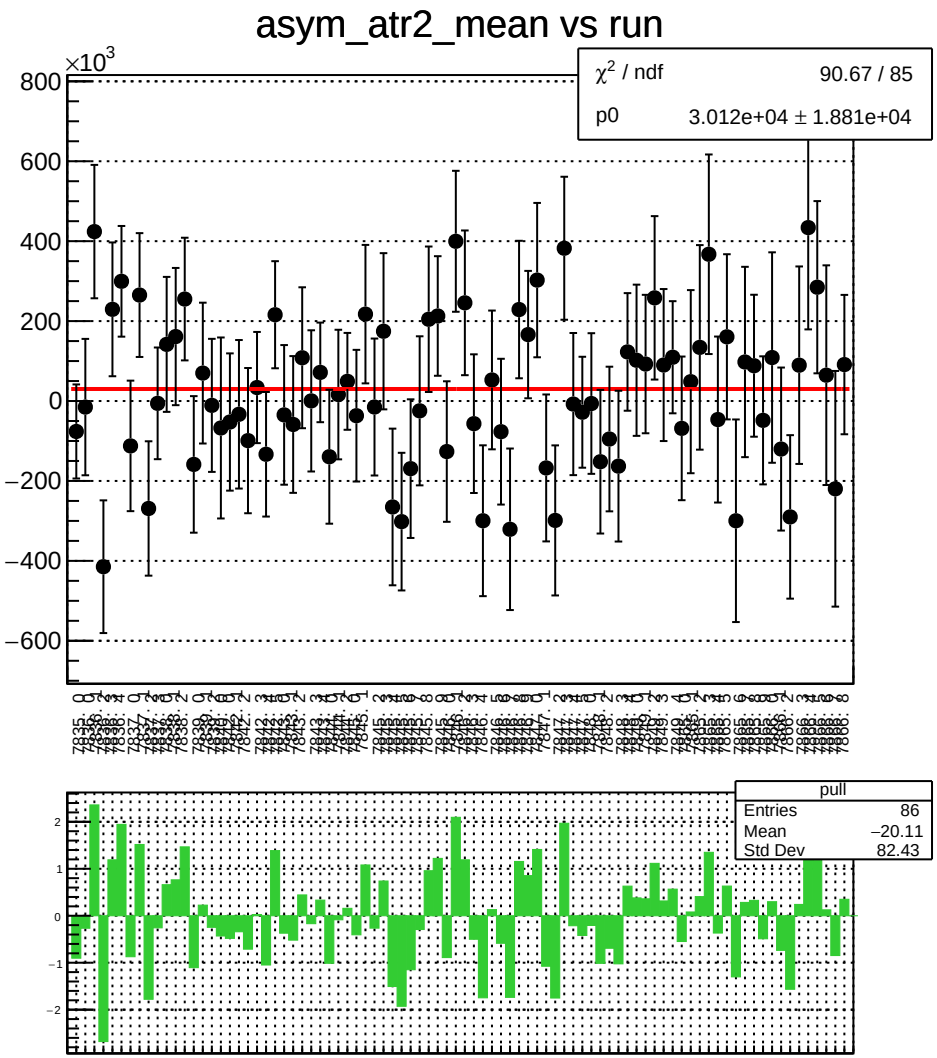
dit_asym_atr2_rms vs run

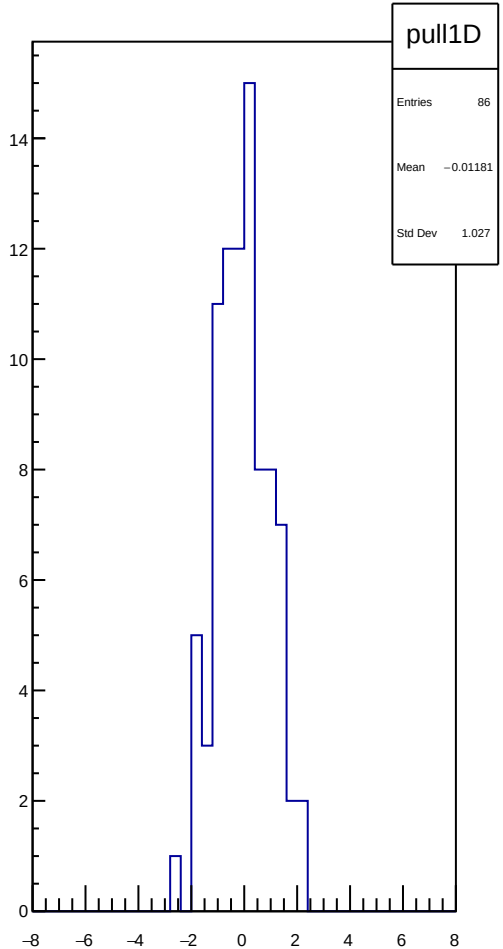



asym_atr2_correction_mean vs run
×10^3
600
400
200
0
−200
−400
−600
χ² / ndf 96.73 / 85
p0 −2.275e+04 ± 1.858e+04
pull
Entries 86
Mean −17.46
Std Dev 81.34
2
1
0
−1
−2
−3
pull1D
Entries 86
Mean 0.01263
Std Dev 1.06
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

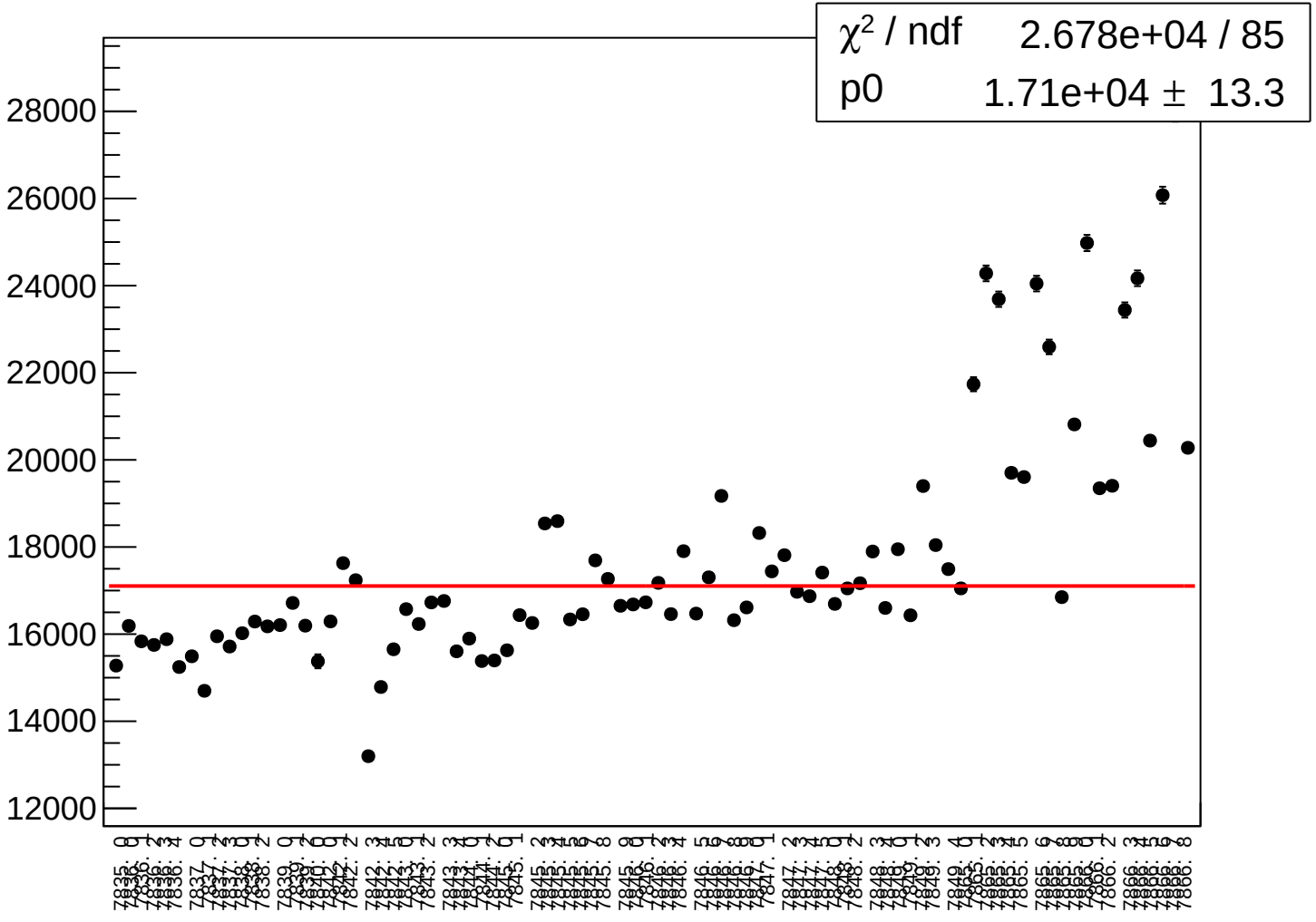
asym_atr2_correction_rms vs run

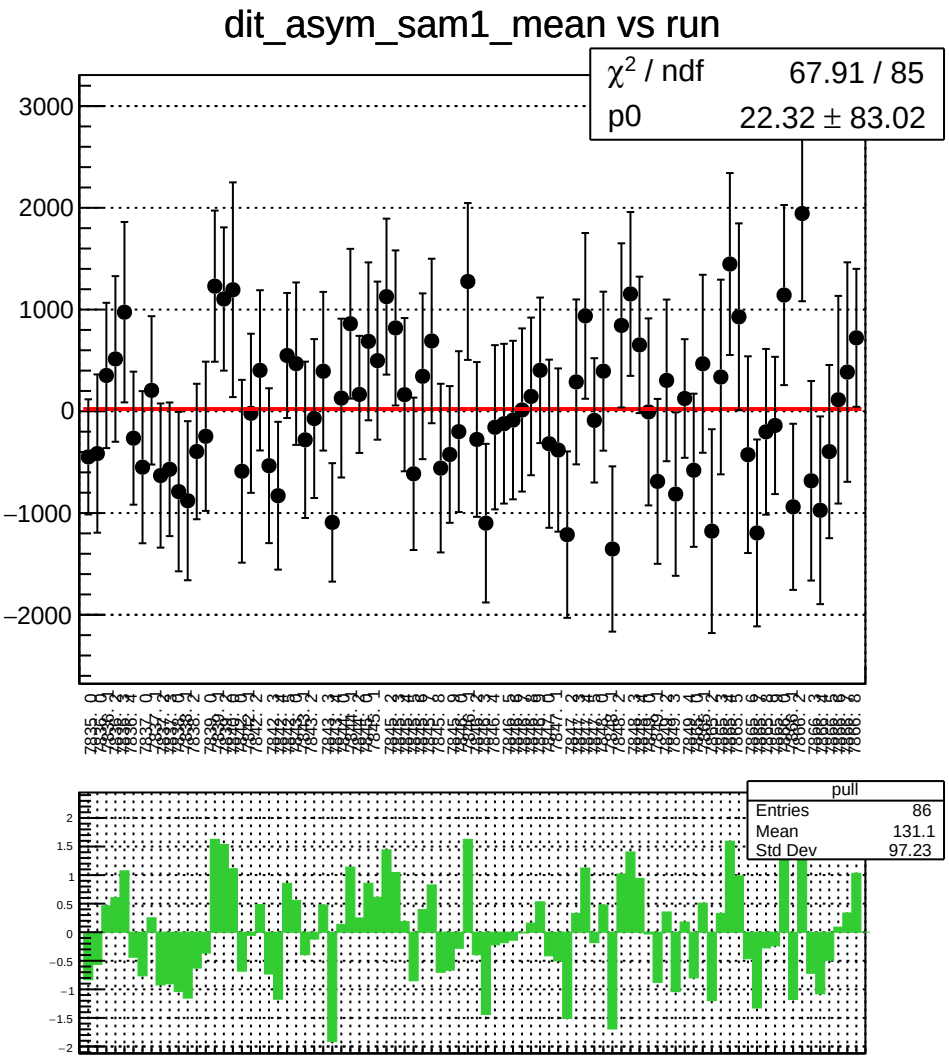


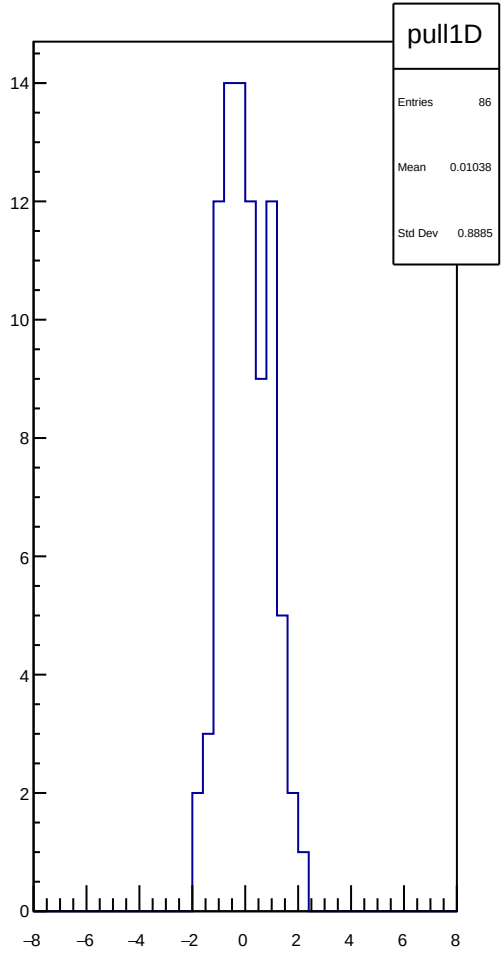

asym_atr2_mean vs run
×10^3
800
600
400
200
0
−200
−400
−600
χ² / ndf 90.67 / 85
p0 3.012e+04 ± 1.881e+04
pull
Entries 86
Mean −20.11
Std Dev 82.43
2
1
0
−1
−2


pull1D
Entries 86
Mean −0.01181
Std Dev 1.027
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

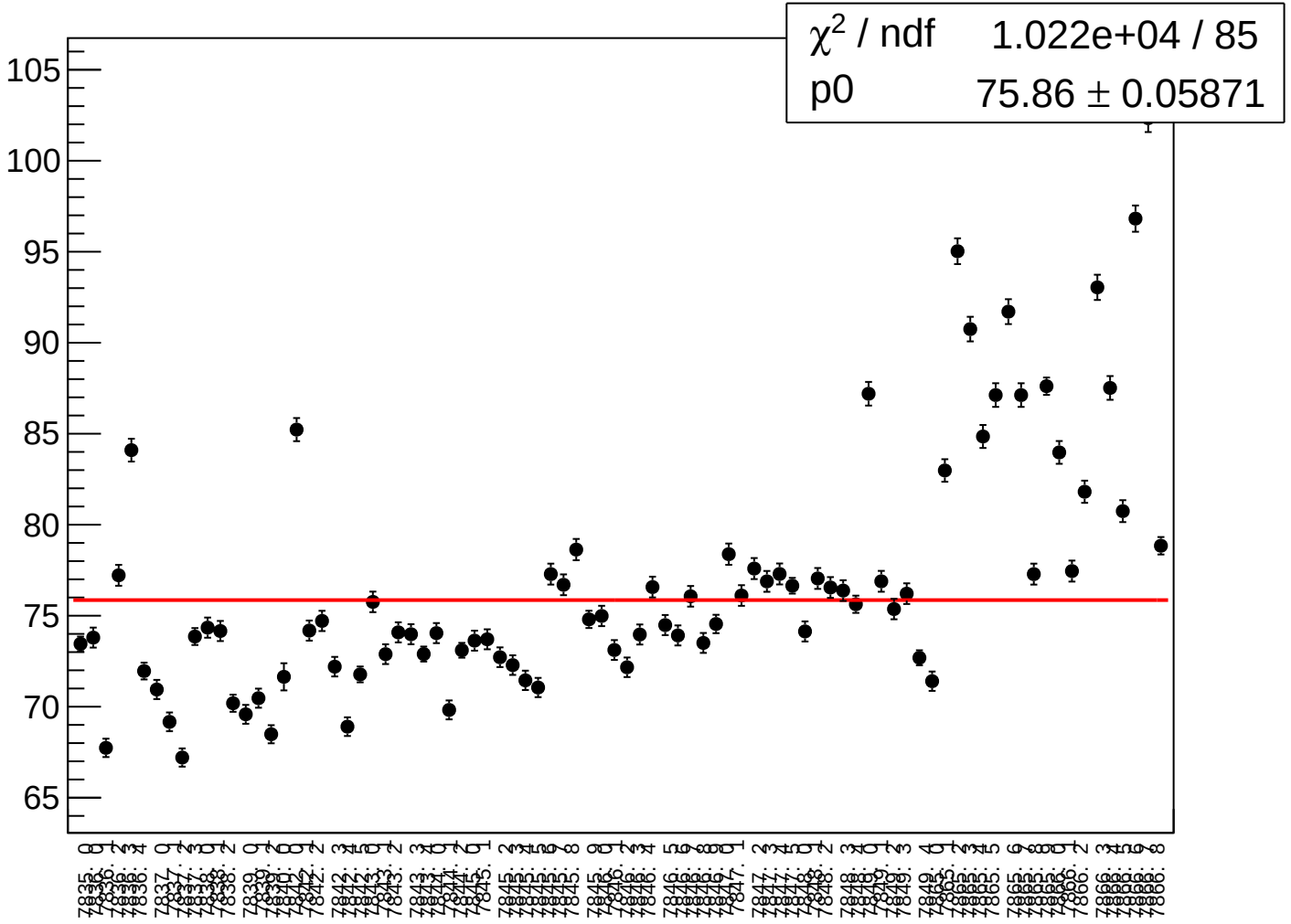
asym_atr2_rms vs run

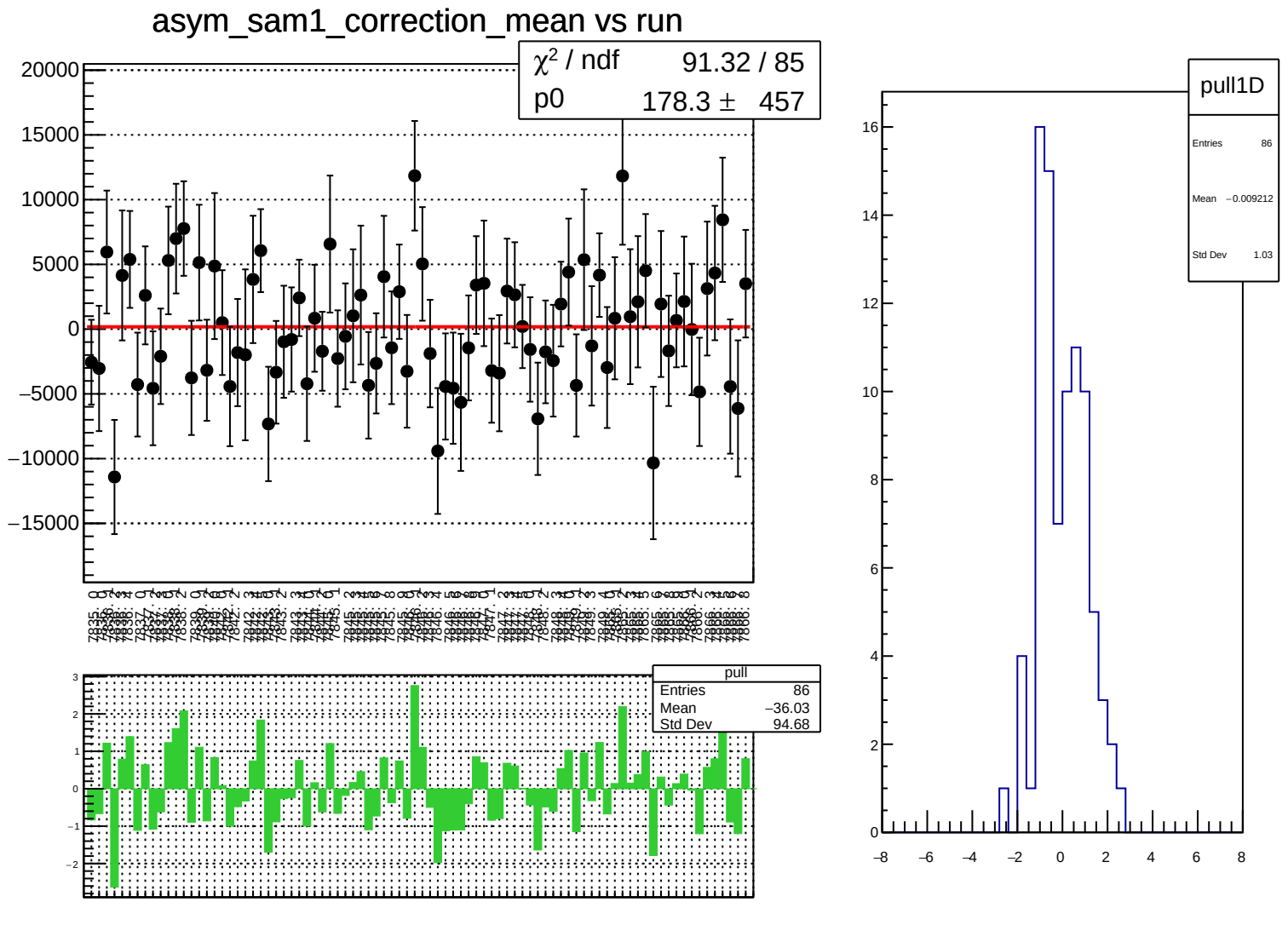



dit_asym_sam1_mean vs run
χ² / ndf 67.91 / 85
p0 22.32 ± 83.02
pull
Entries 86
Mean 131.1
Std Dev 97.23

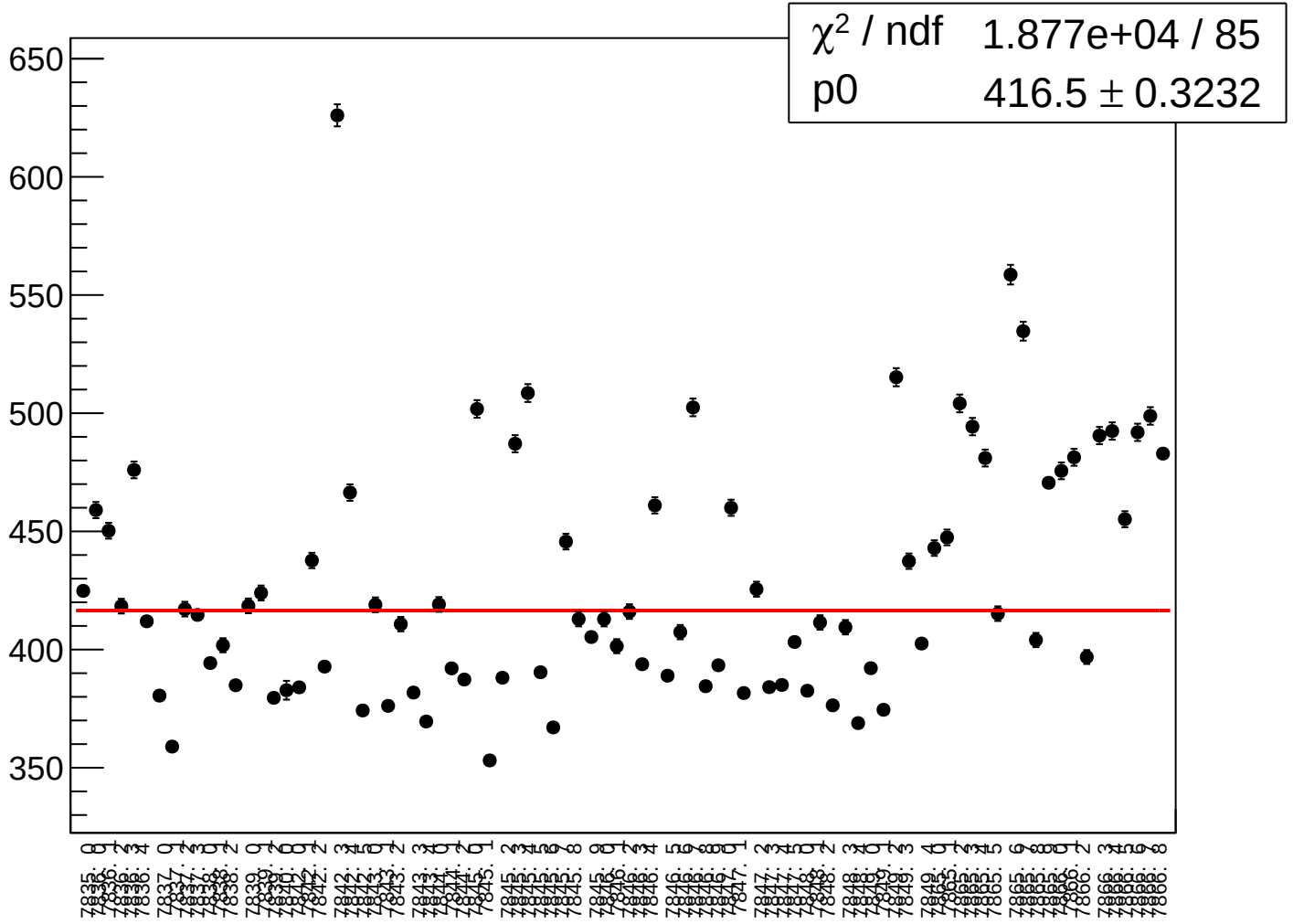

pull1D
Entries 86
Mean 0.01038
Std Dev 0.8885

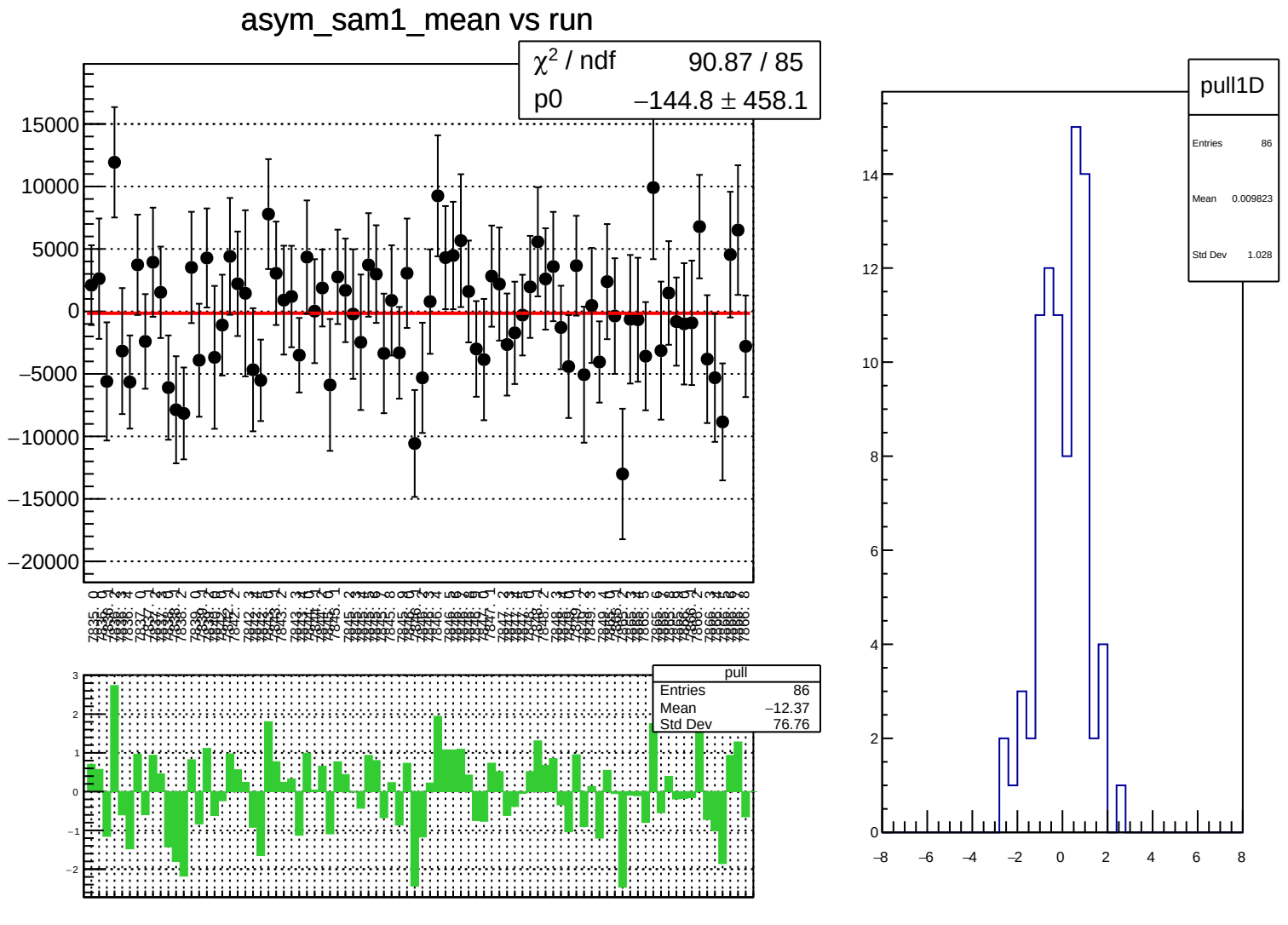
dit_asym_sam1_rms vs run

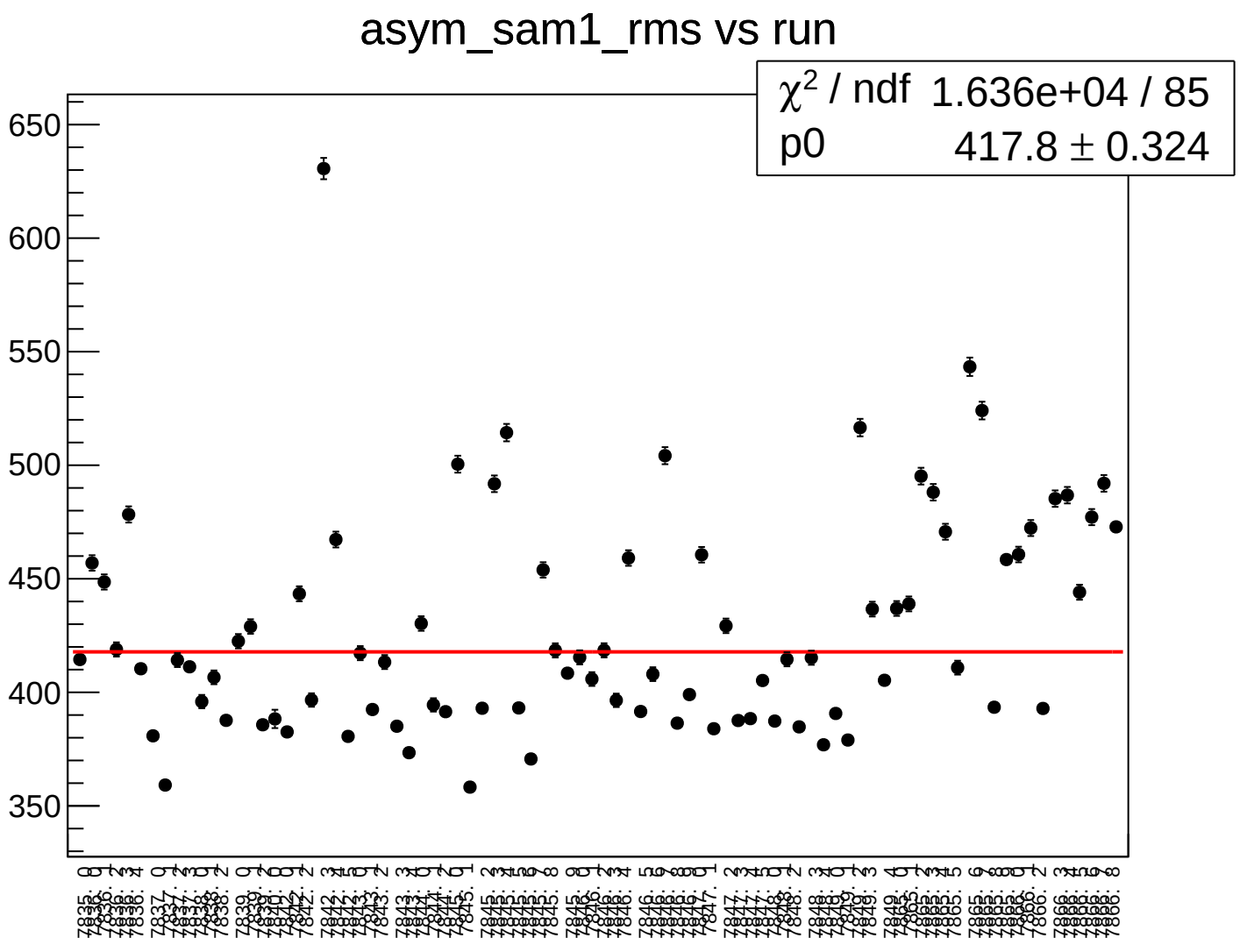


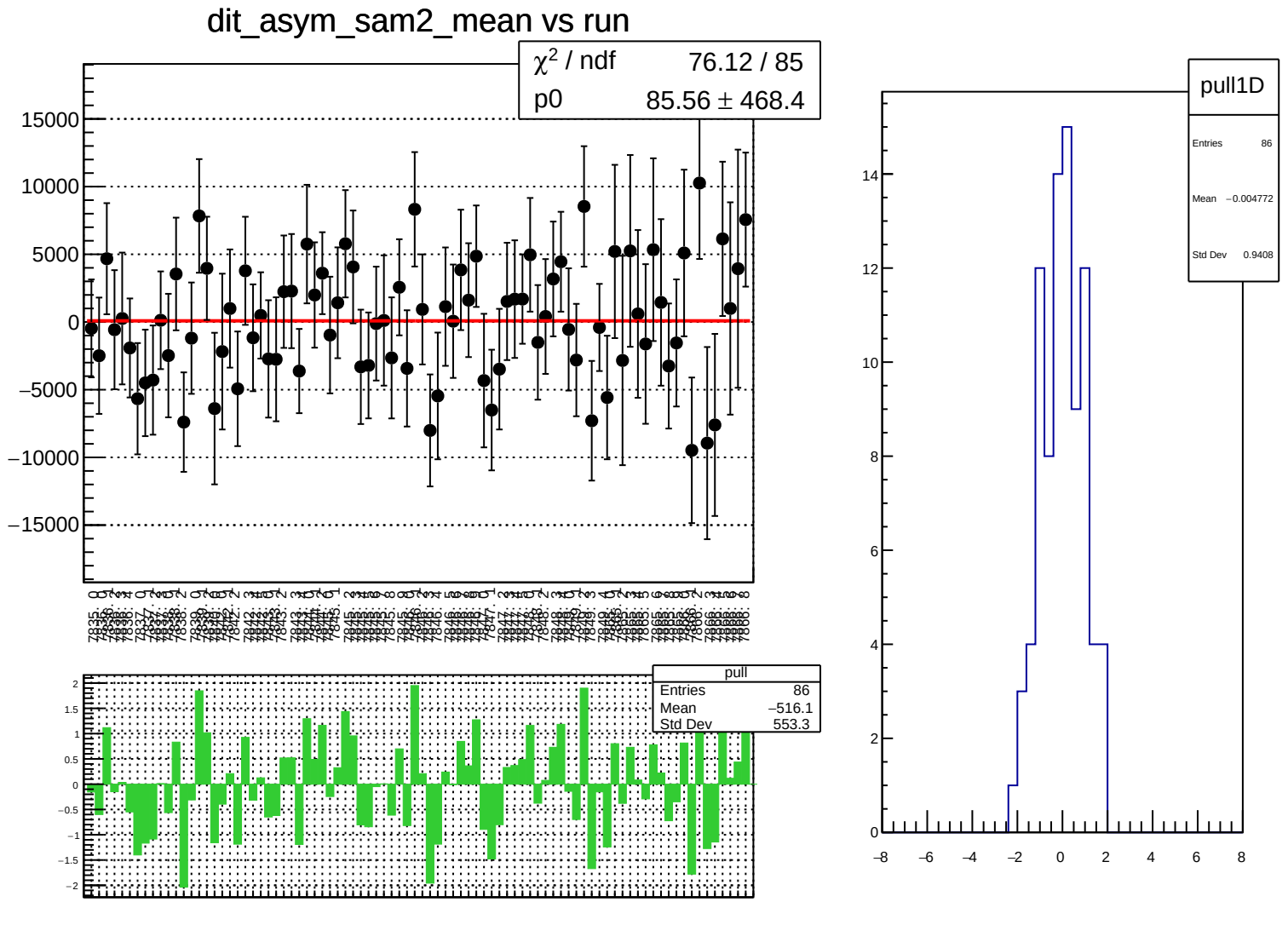

asym_sam1_correction_mean vs run
χ² / ndf 91.32 / 85
p0 178.3 ± 457
pull
Entries 86
Mean −36.03
Std Dev 94.68
pull1D
Entries 86
Mean −0.009212
Std Dev 1.03

asym_sam1_correction_rms vs run

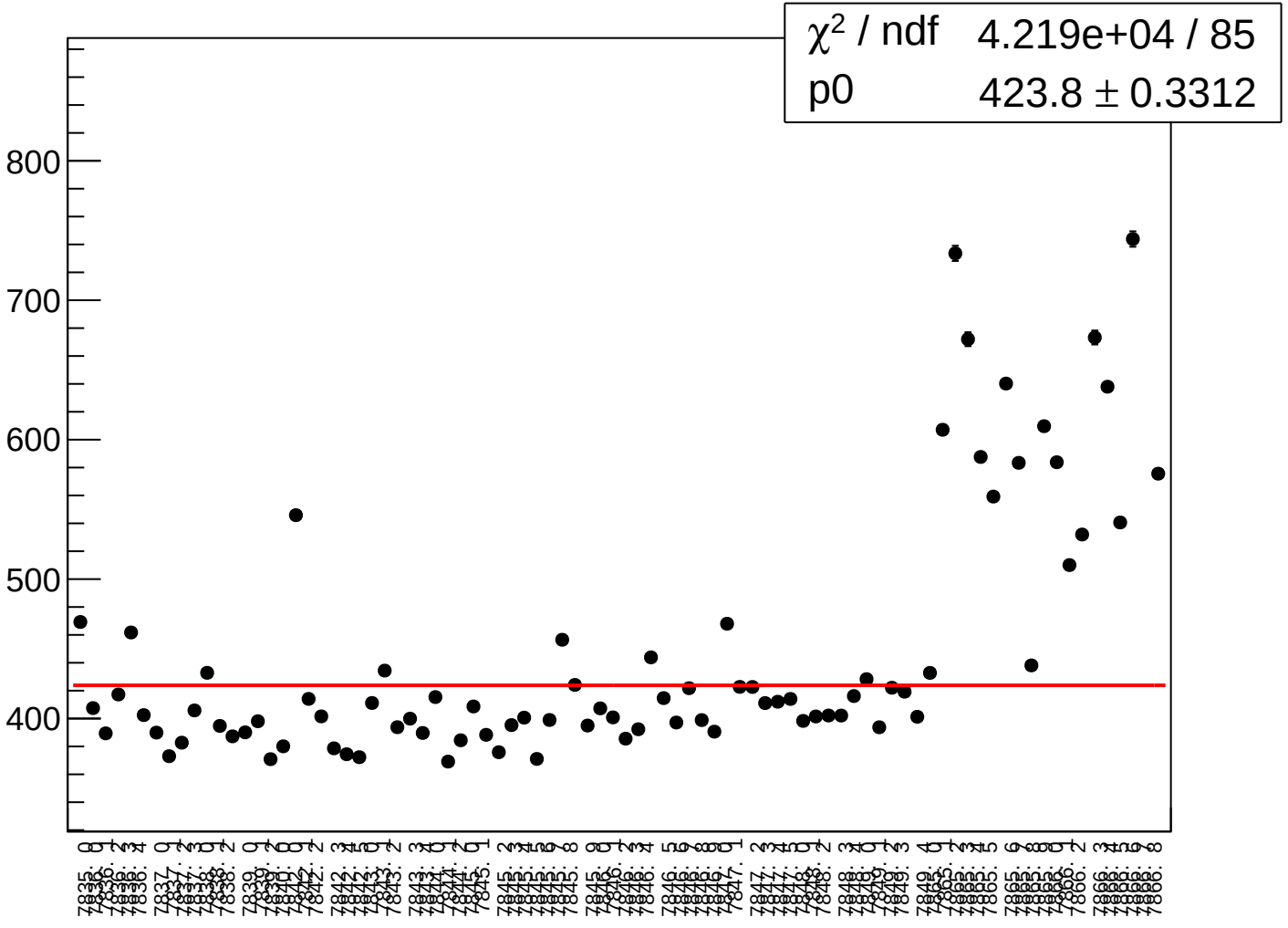


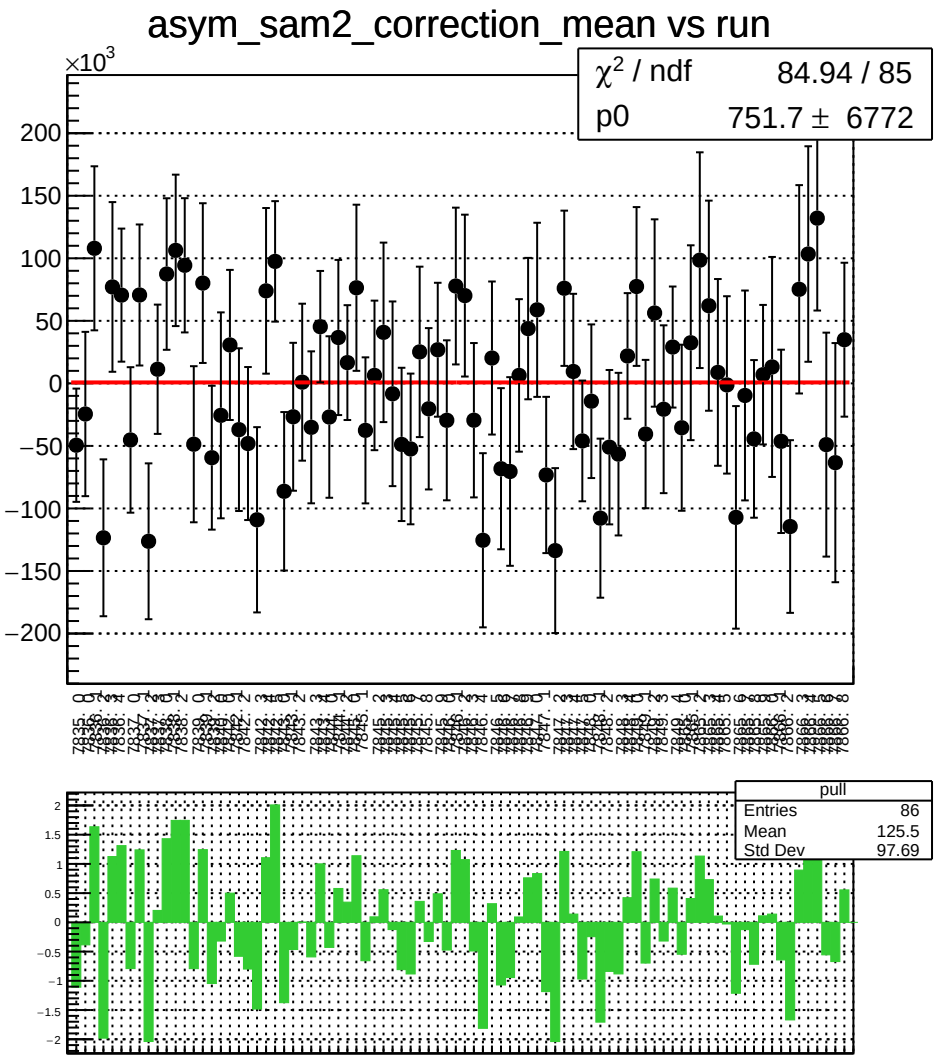

asym_sam1_mean vs run
χ² / ndf 90.87 / 85
p0 −144.8 ± 458.1
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 86
Mean −12.37
Std Dev 76.76
3
2
1
0
−1
−2
pull1D
Entries 86
Mean 0.009823
Std Dev 1.028
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

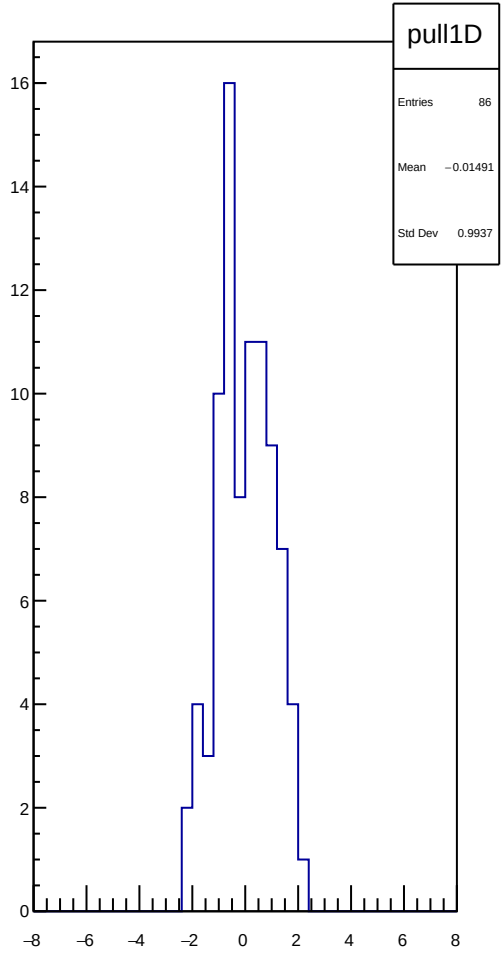

asym_sam1_rms vs run
χ² / ndf 1.636e+04 / 85
p0 417.8 ± 0.324
650
600
550
500
450
400
350


dit_asym_sam2_mean vs run
χ² / ndf 76.12 / 85
p0 85.56 ± 468.4
pull
Entries 86
Mean −516.1
Std Dev 553.3
pull1D
Entries 86
Mean −0.004772
Std Dev 0.9408

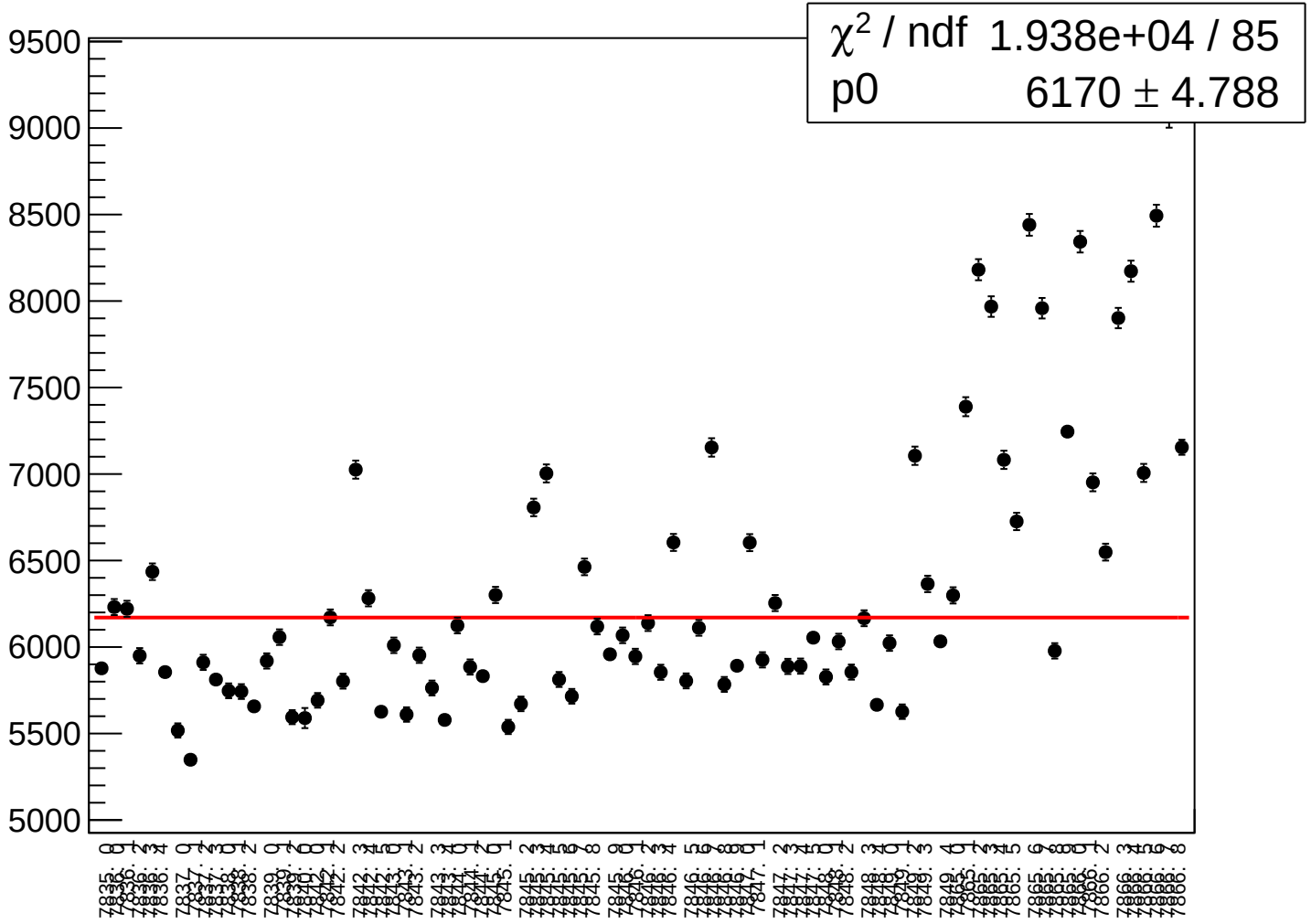
dit_asym_sam2_rms vs run

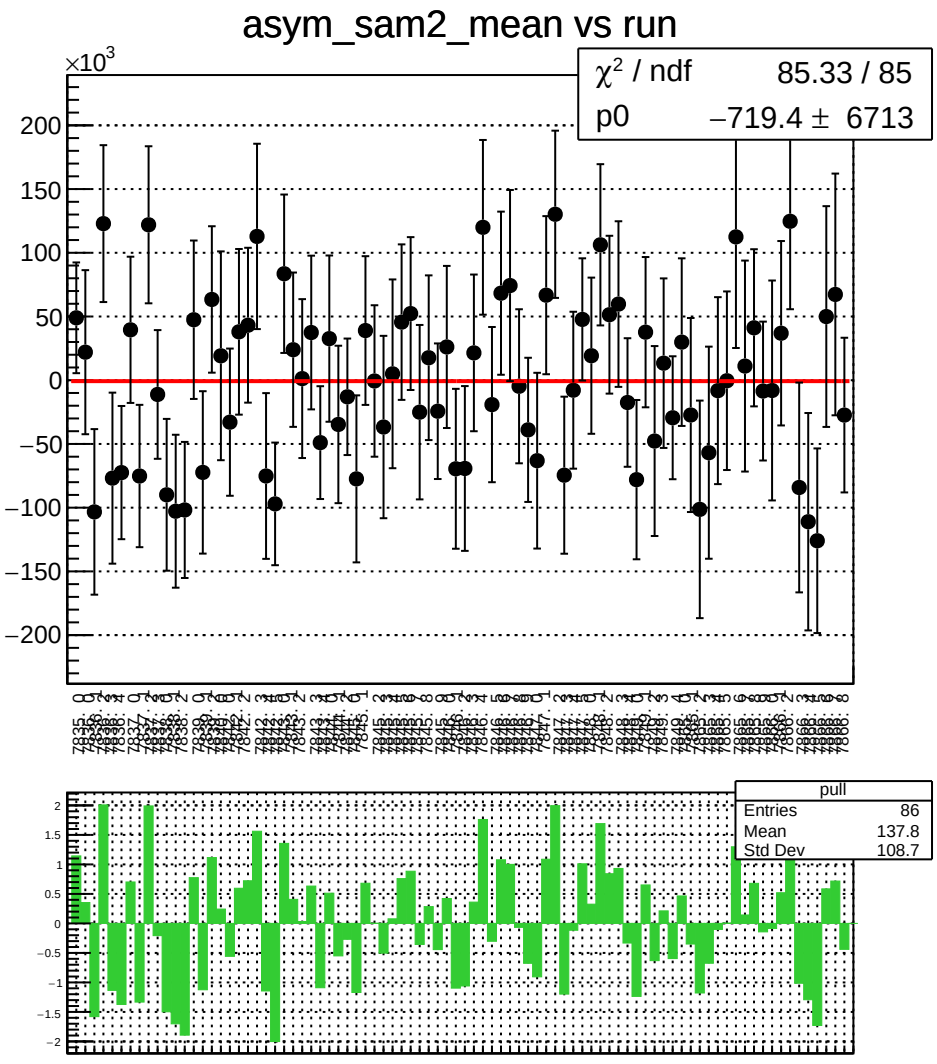


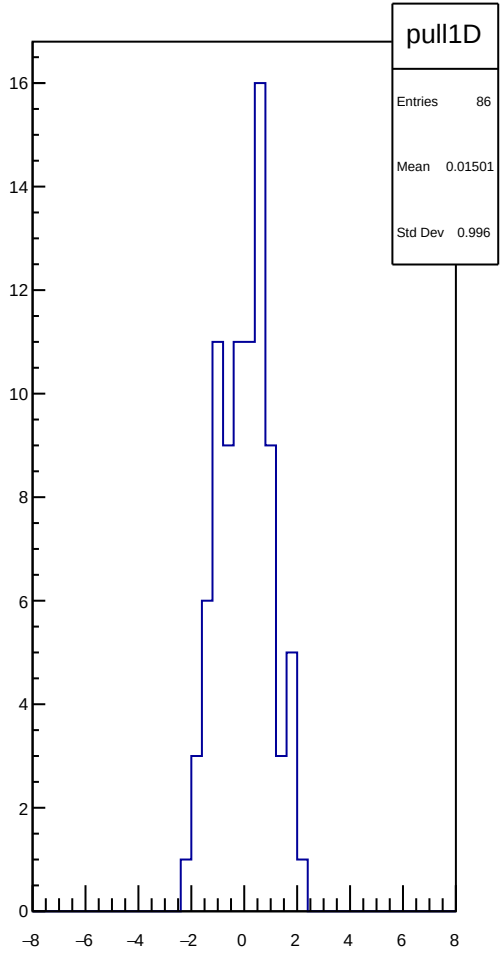

asym_sam2_correction_mean vs run
×10^3
χ² / ndf 84.94 / 85
p0 751.7 ± 6772
pull
Entries 86
Mean 125.5
Std Dev 97.69

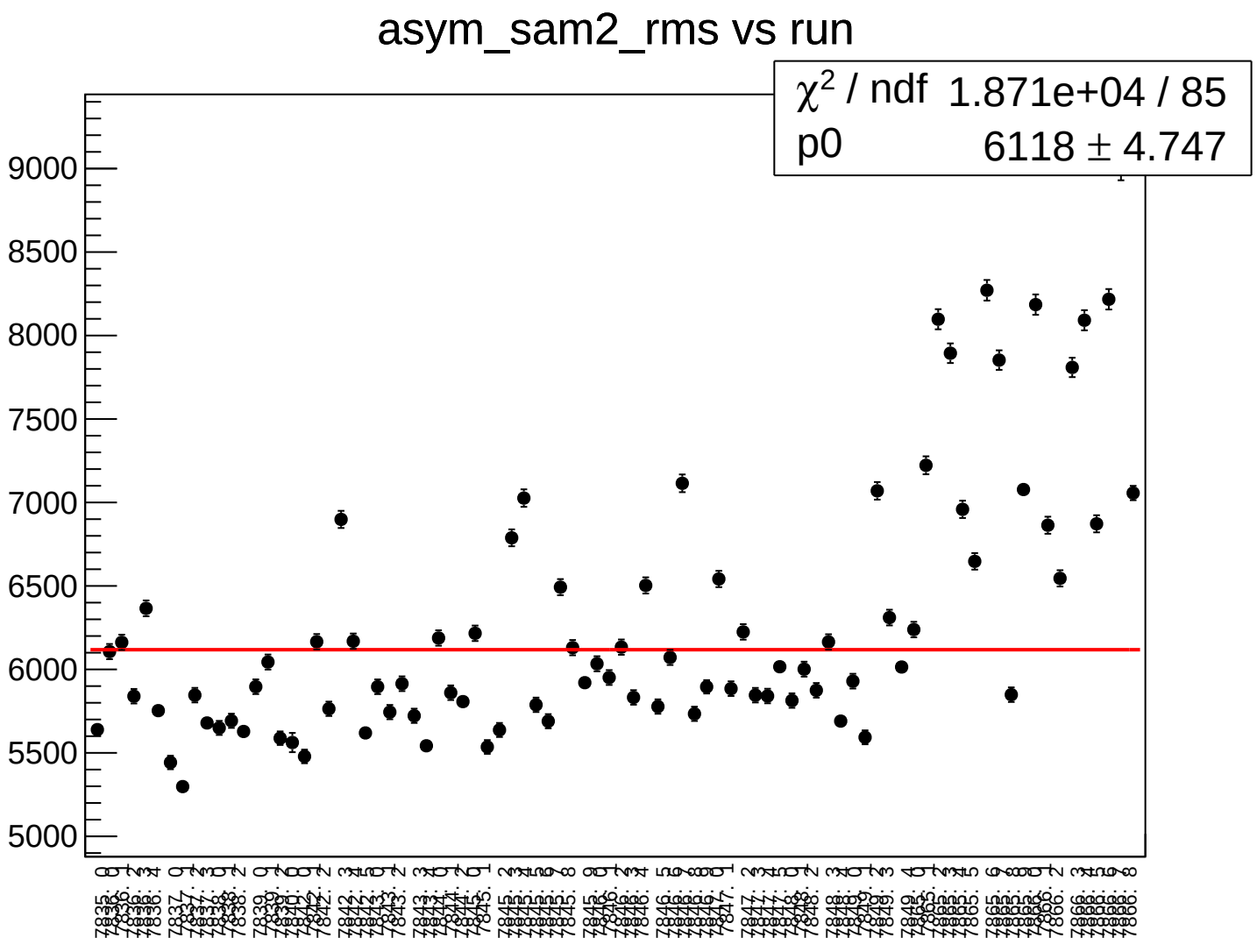

pull1D
Entries 86
Mean −0.01491
Std Dev 0.9937

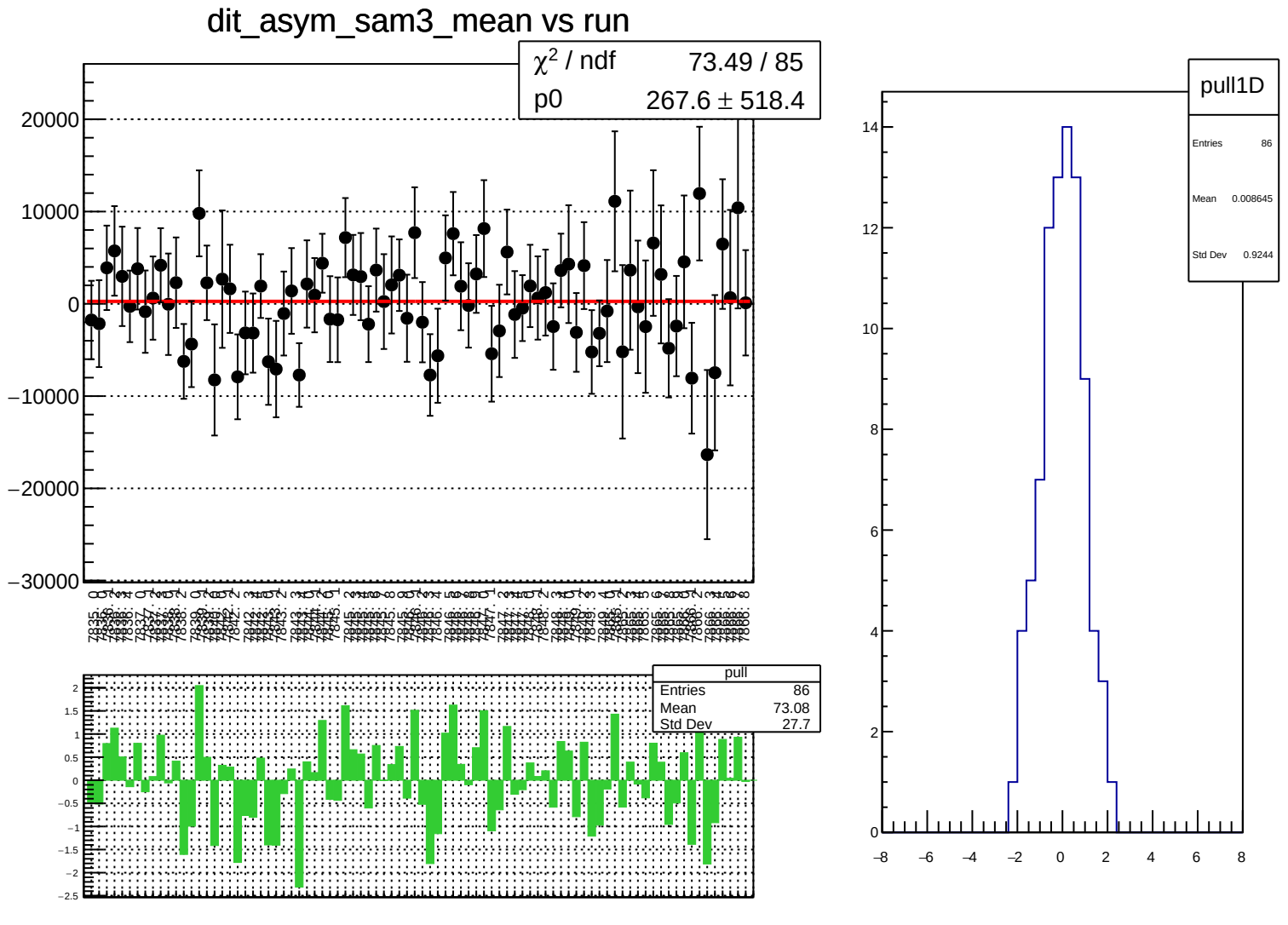
asym_sam2_correction_rms vs run



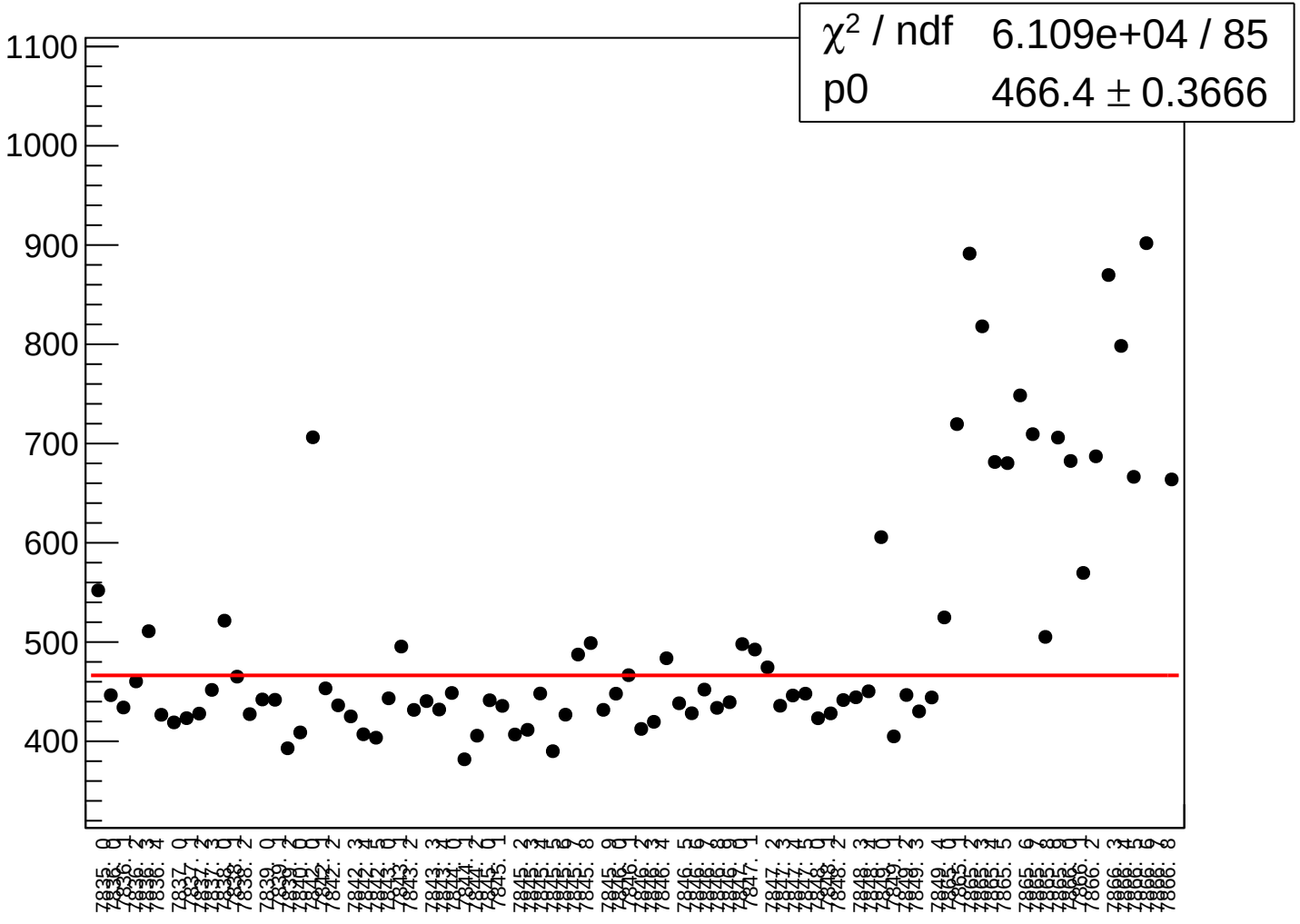

asym_sam2_mean vs run
×10^3
χ² / ndf 85.33 / 85
p0 −719.4 ± 6713
pull
Entries 86
Mean 137.8
Std Dev 108.7

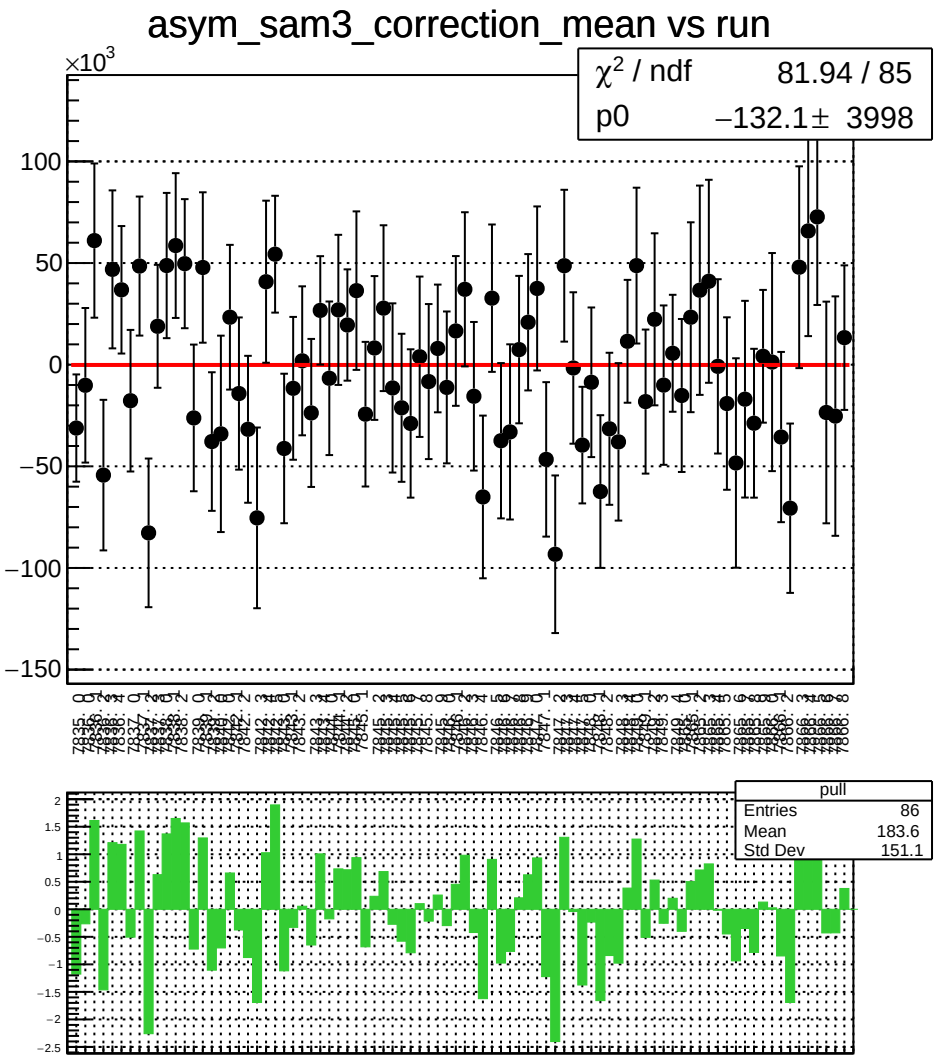

pull1D
Entries 86
Mean 0.01501
Std Dev 0.996

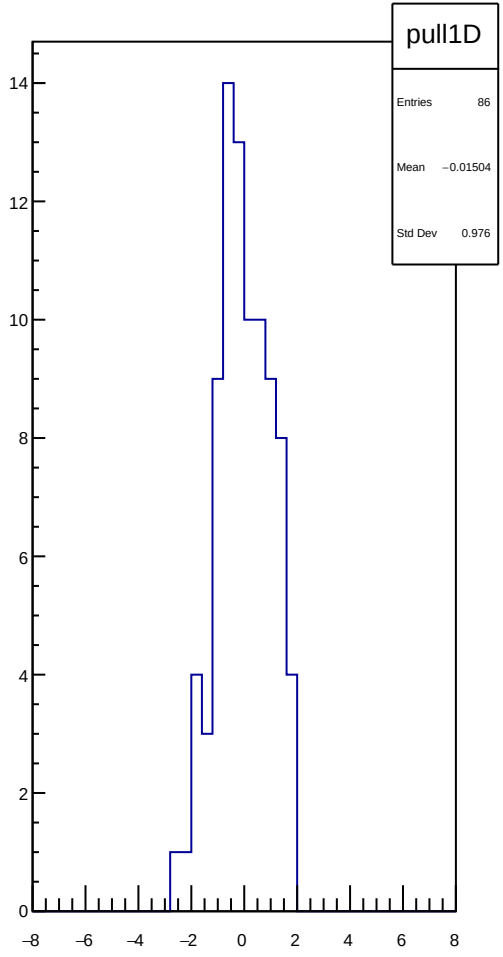

asym_sam2_rms vs run
χ^2 / ndf 1.871e+04 / 85
p0 6118 ± 4.747
9000
8500
8000
7500
7000
6500
6000
5500
5000


dit_asym_sam3_mean vs run
χ^2 / ndf 73.49 / 85
p0 267.6 ± 518.4
pull
Entries 86
Mean 73.08
Std Dev 27.7
pull1D
Entries 86
Mean 0.008645
Std Dev 0.9244

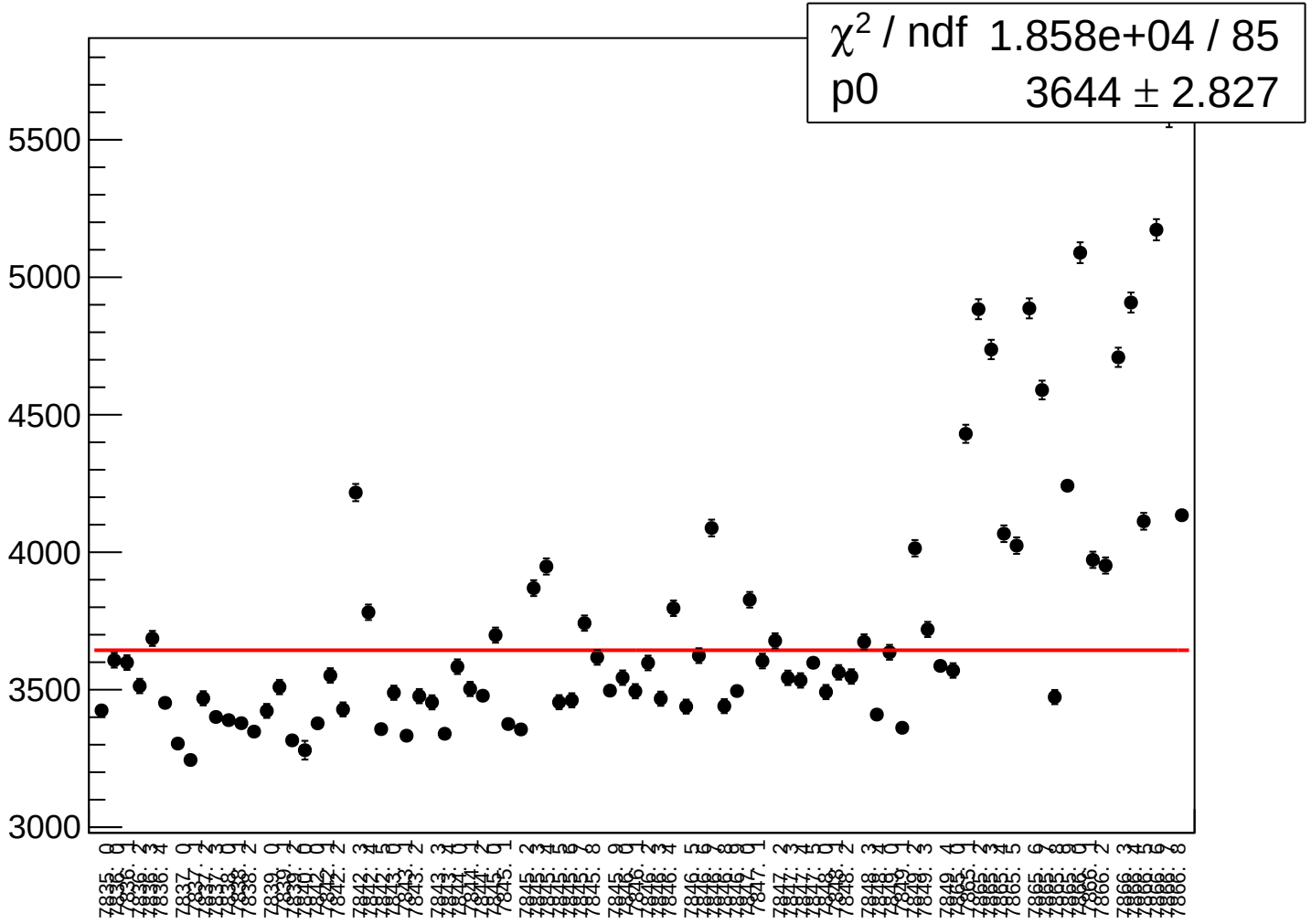
dit_asym_sam3_rms vs run

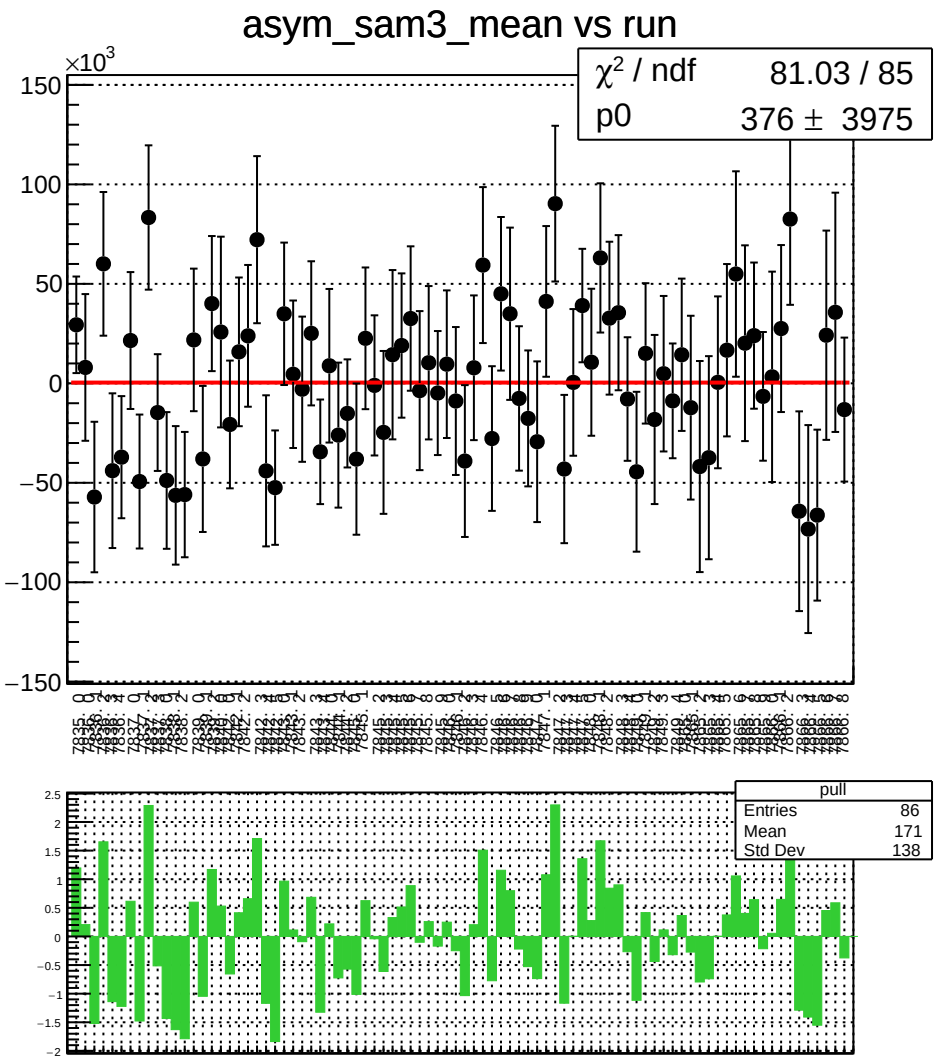


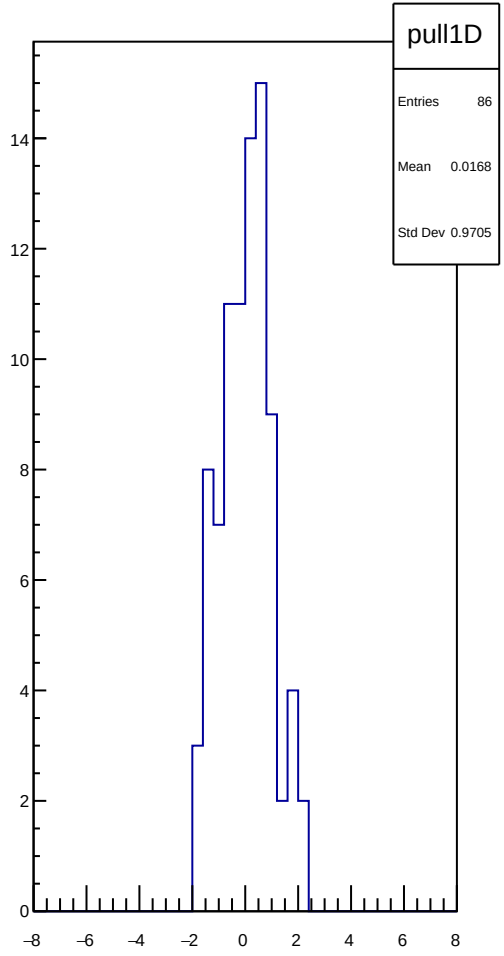

asym_sam3_correction_mean vs run
×10^3
χ² / ndf 81.94 / 85
p0 −132.1± 3998
pull
Entries 86
Mean 183.6
Std Dev 151.1

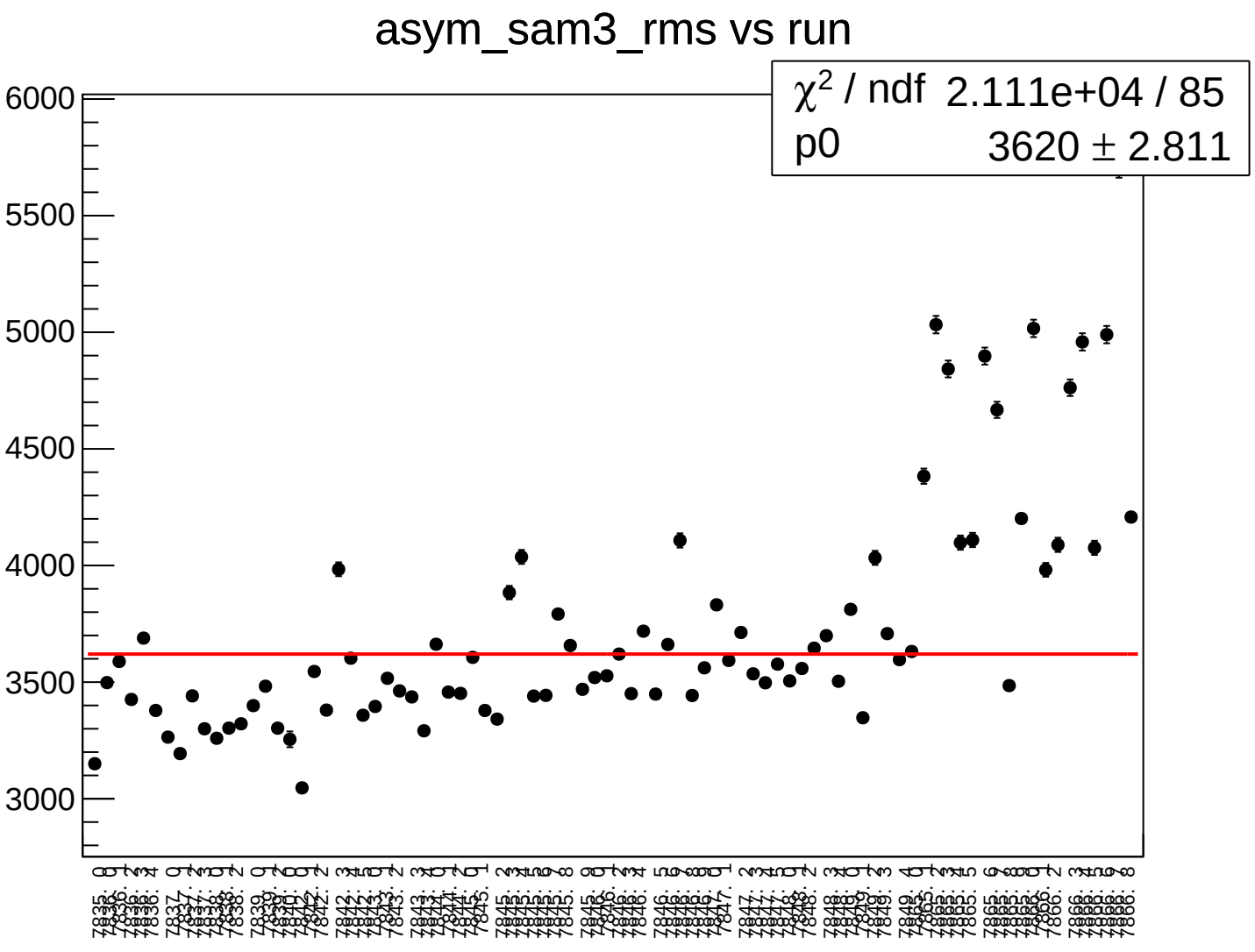

pull1D
Entries 86
Mean −0.01504
Std Dev 0.976

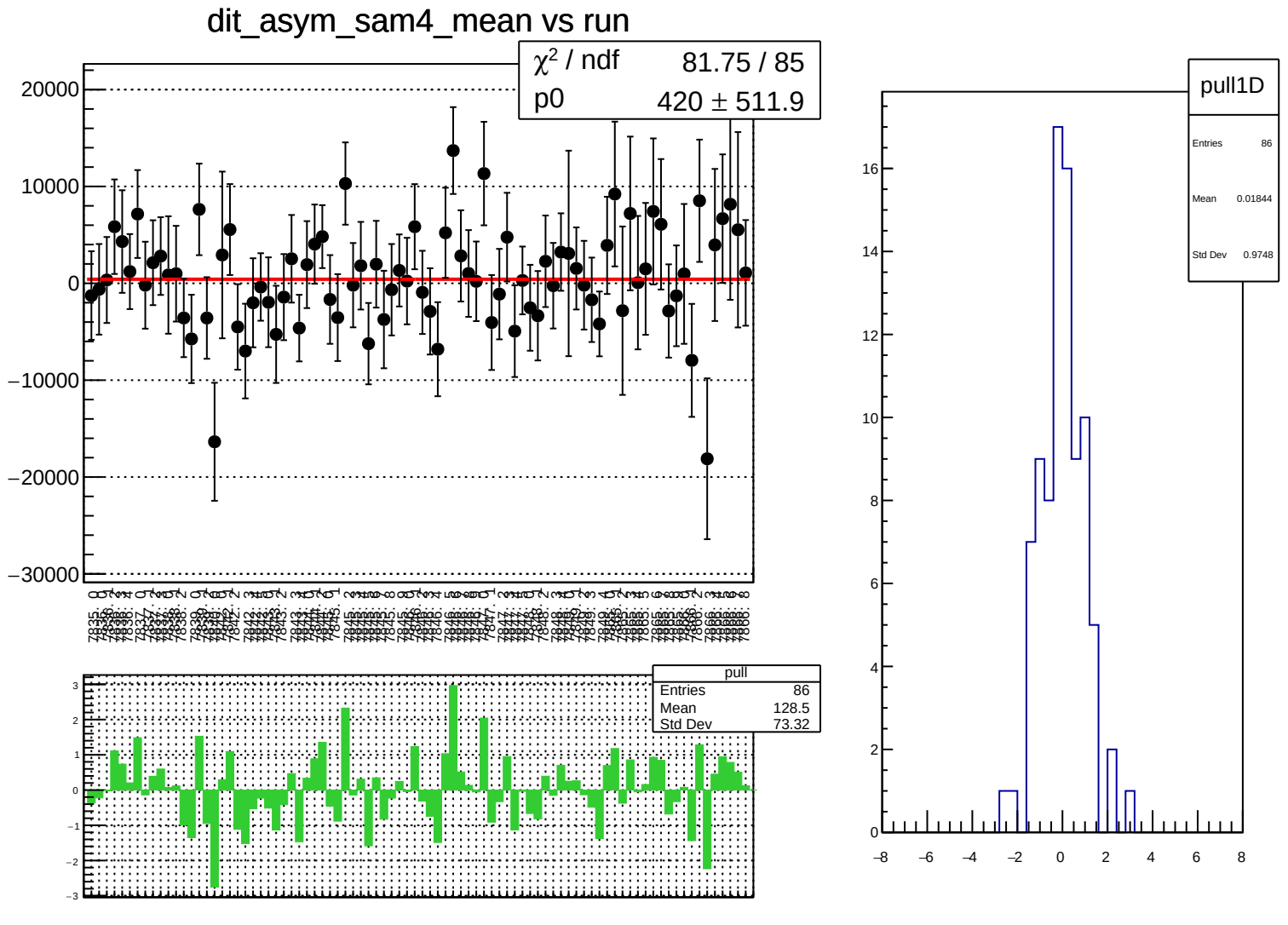
asym_sam3_correction_rms vs run



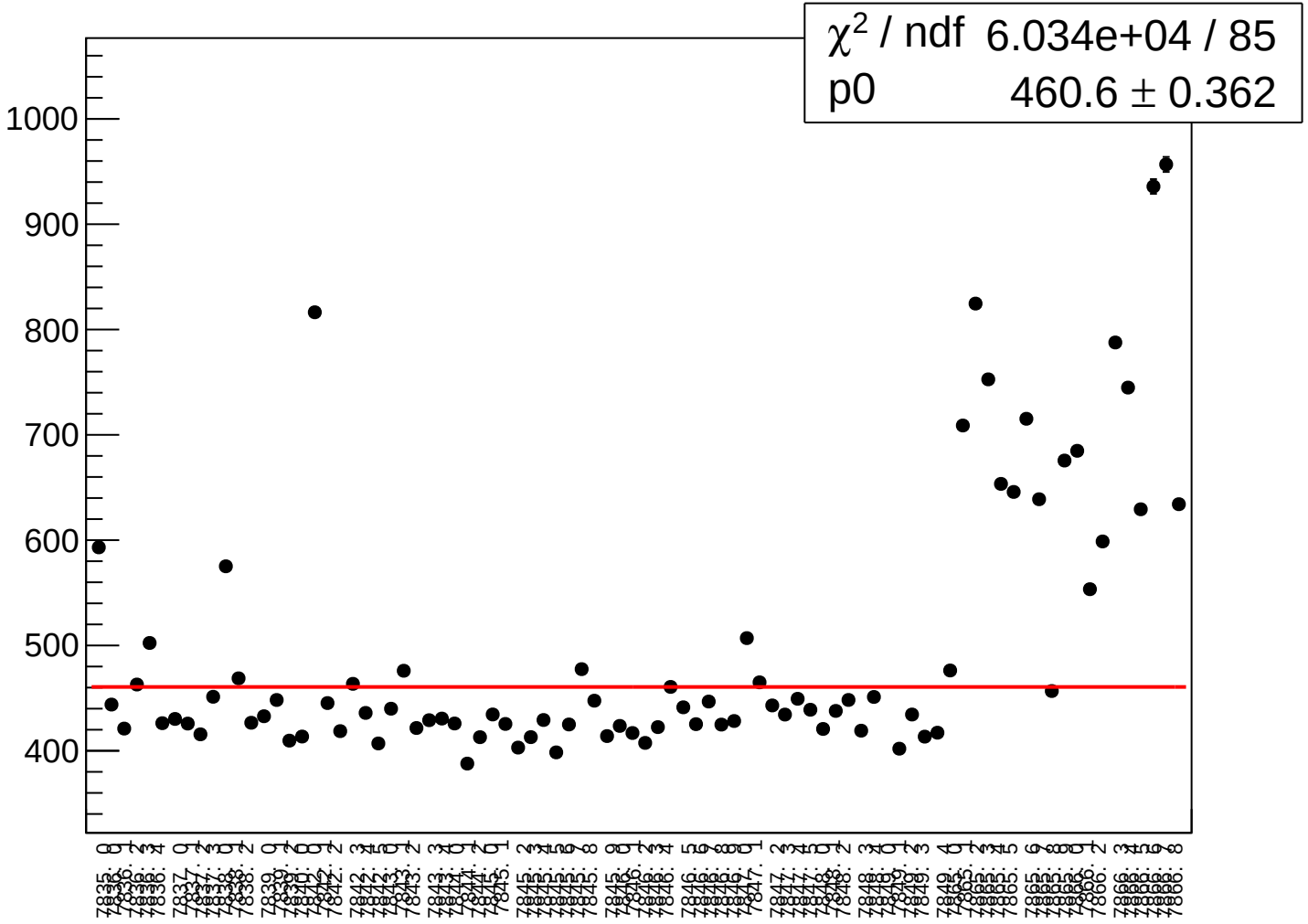

asym_sam3_mean vs run
×10^3
χ² / ndf 81.03 / 85
p0 376 ± 3975
pull
Entries 86
Mean 171
Std Dev 138

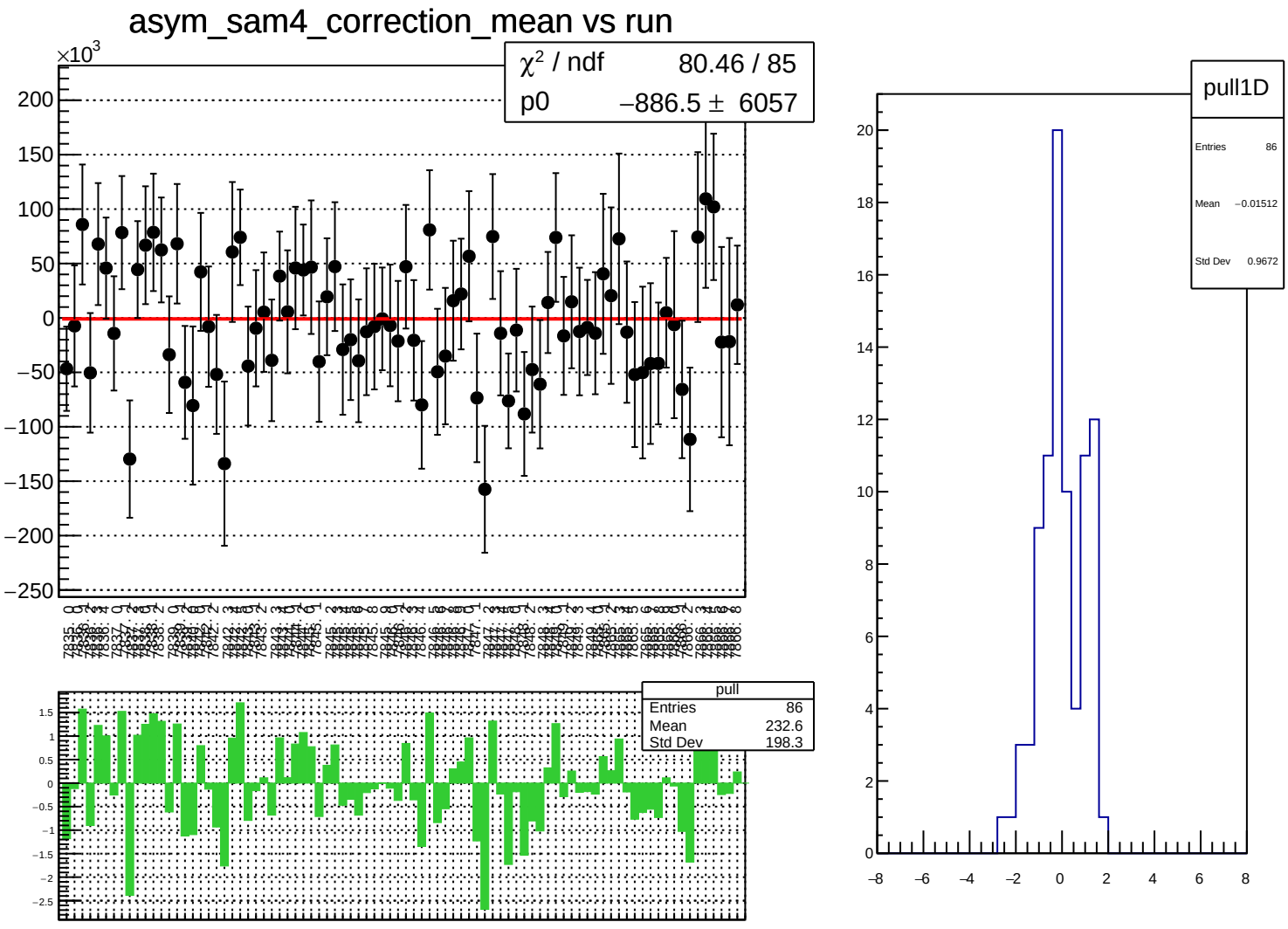

pull1D
Entries 86
Mean 0.0168
Std Dev 0.9705


asym_sam3_rms vs run
χ^2 / ndf 2.111e+04 / 85
p0 3620 ± 2.811
6000
5500
5000
4500
4000
3500
3000

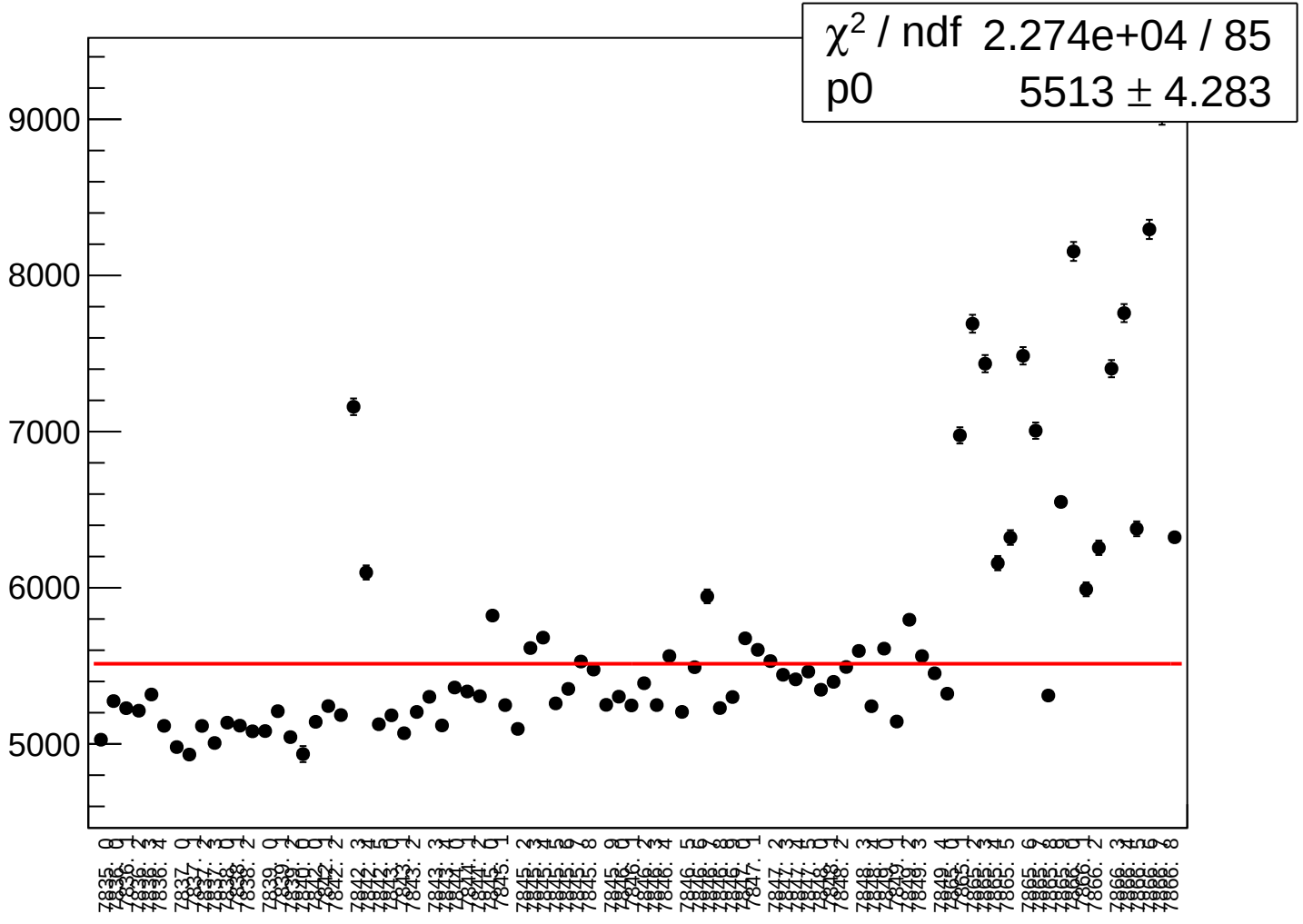

dit_asym_sam4_mean vs run
χ² / ndf 81.75 / 85
p0 420 ± 511.9
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 128.5
Std Dev 73.32
3
2
1
0
−1
−2
−3
pull1D
Entries 86
Mean 0.01844
Std Dev 0.9748
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

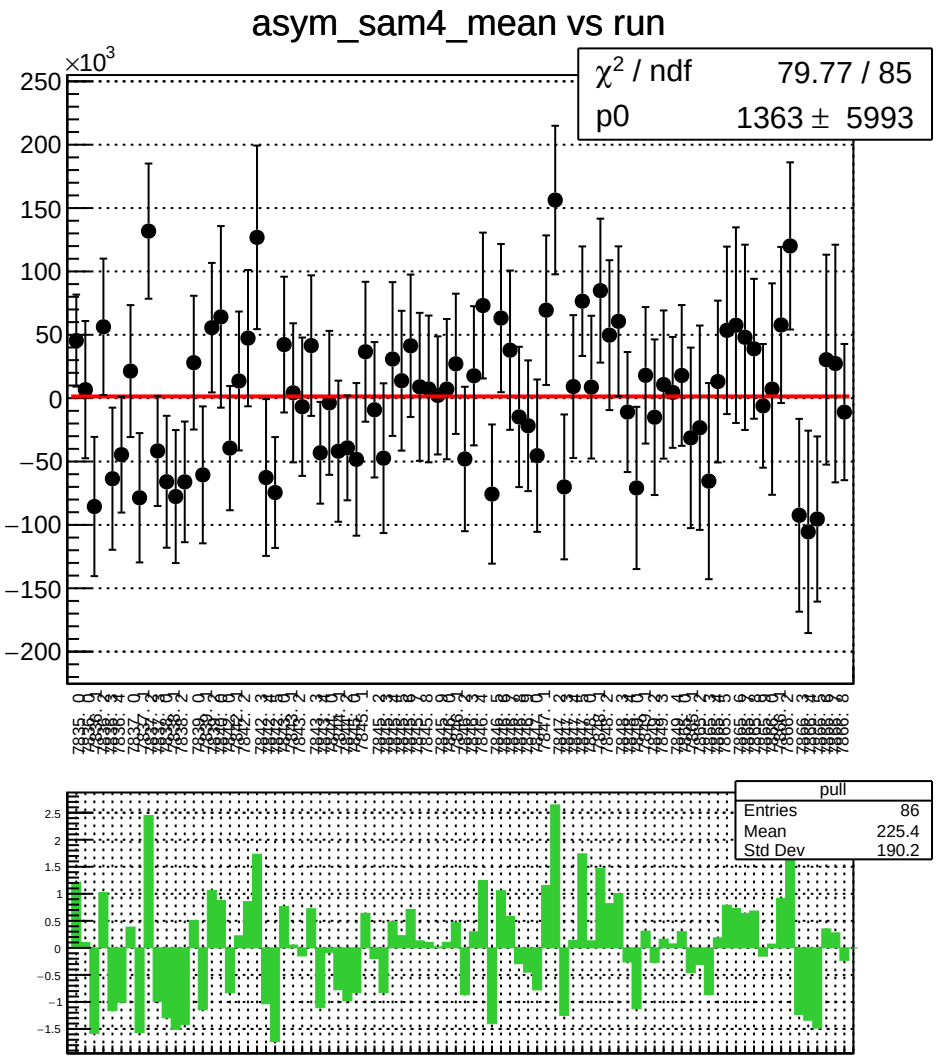
dit_asym_sam4_rms vs run

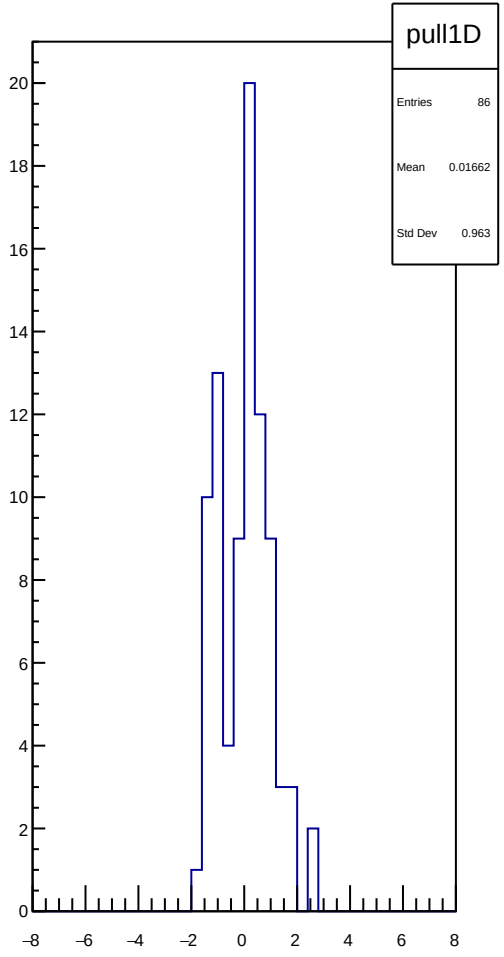



asym_sam4_correction_mean vs run
×10^3
χ² / ndf 80.46 / 85
p0 −886.5 ± 6057
pull
Entries 86
Mean 232.6
Std Dev 198.3
pull1D
Entries 86
Mean −0.01512
Std Dev 0.9672

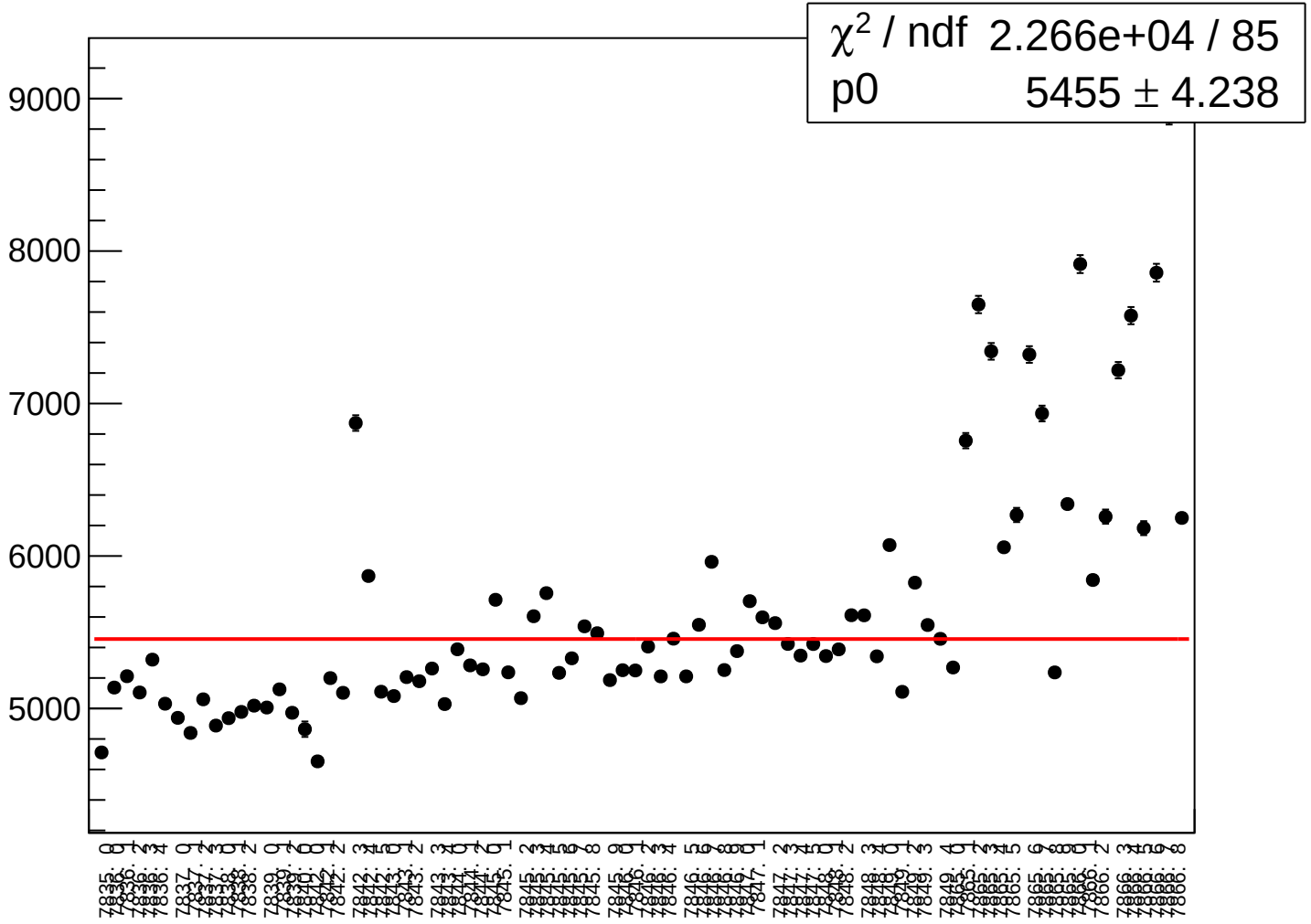
asym_sam4_correction_rms vs run

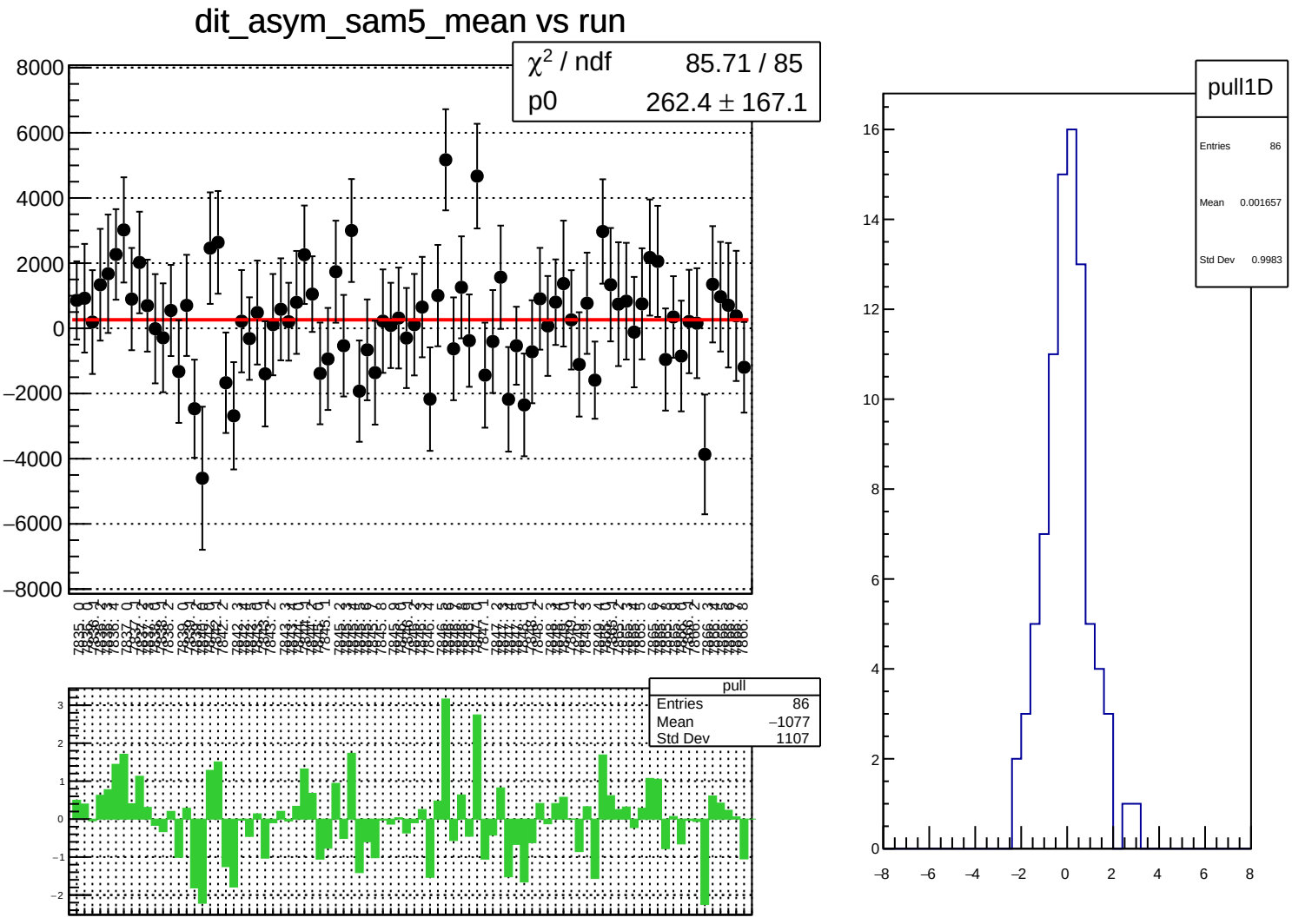



asym_sam4_mean vs run
×10^3
χ² / ndf 79.77 / 85
p0 1363 ± 5993
pull
Entries 86
Mean 225.4
Std Dev 190.2

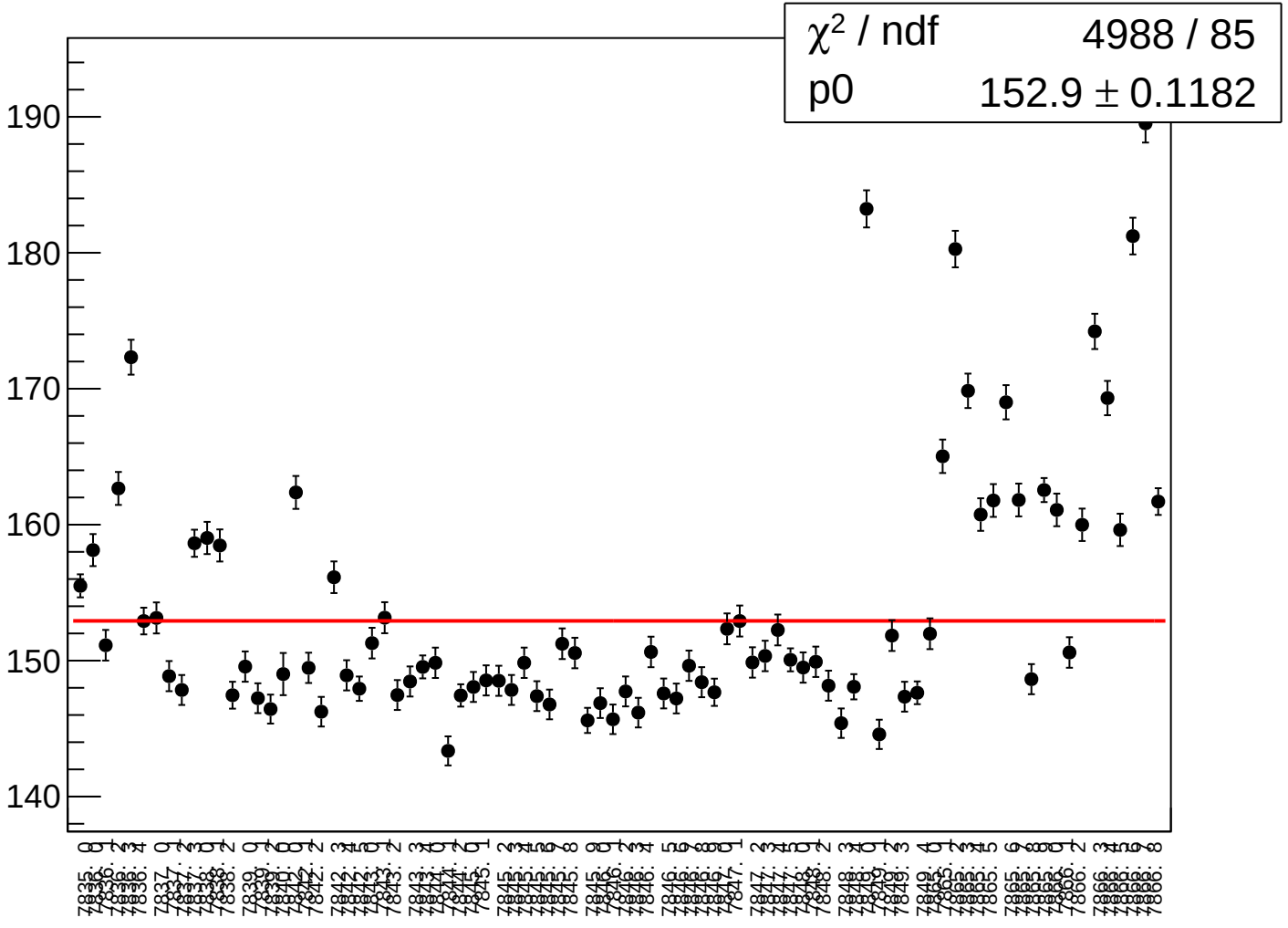

pull1D
Entries 86
Mean 0.01662
Std Dev 0.963

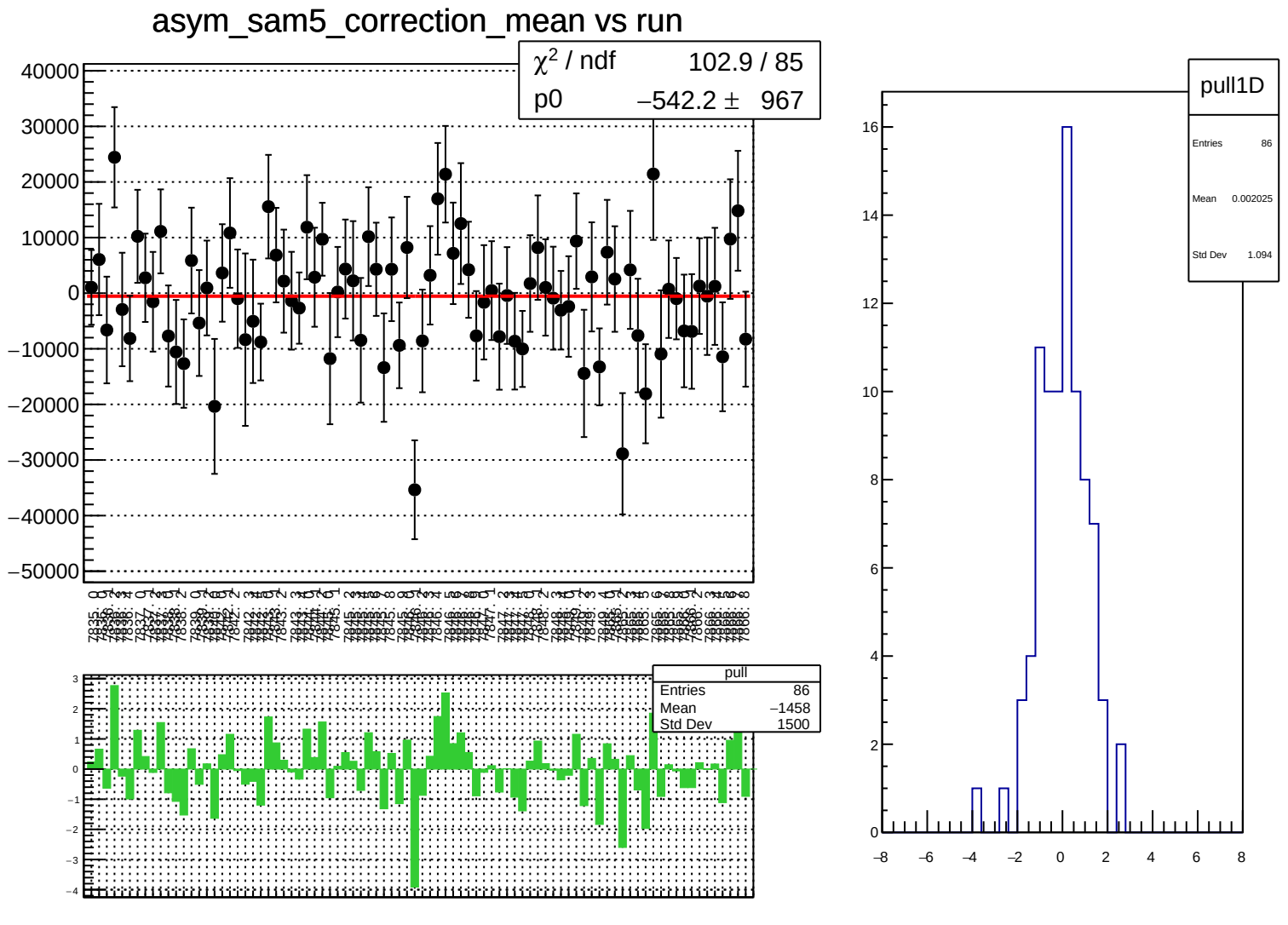
asym_sam4_rms vs run



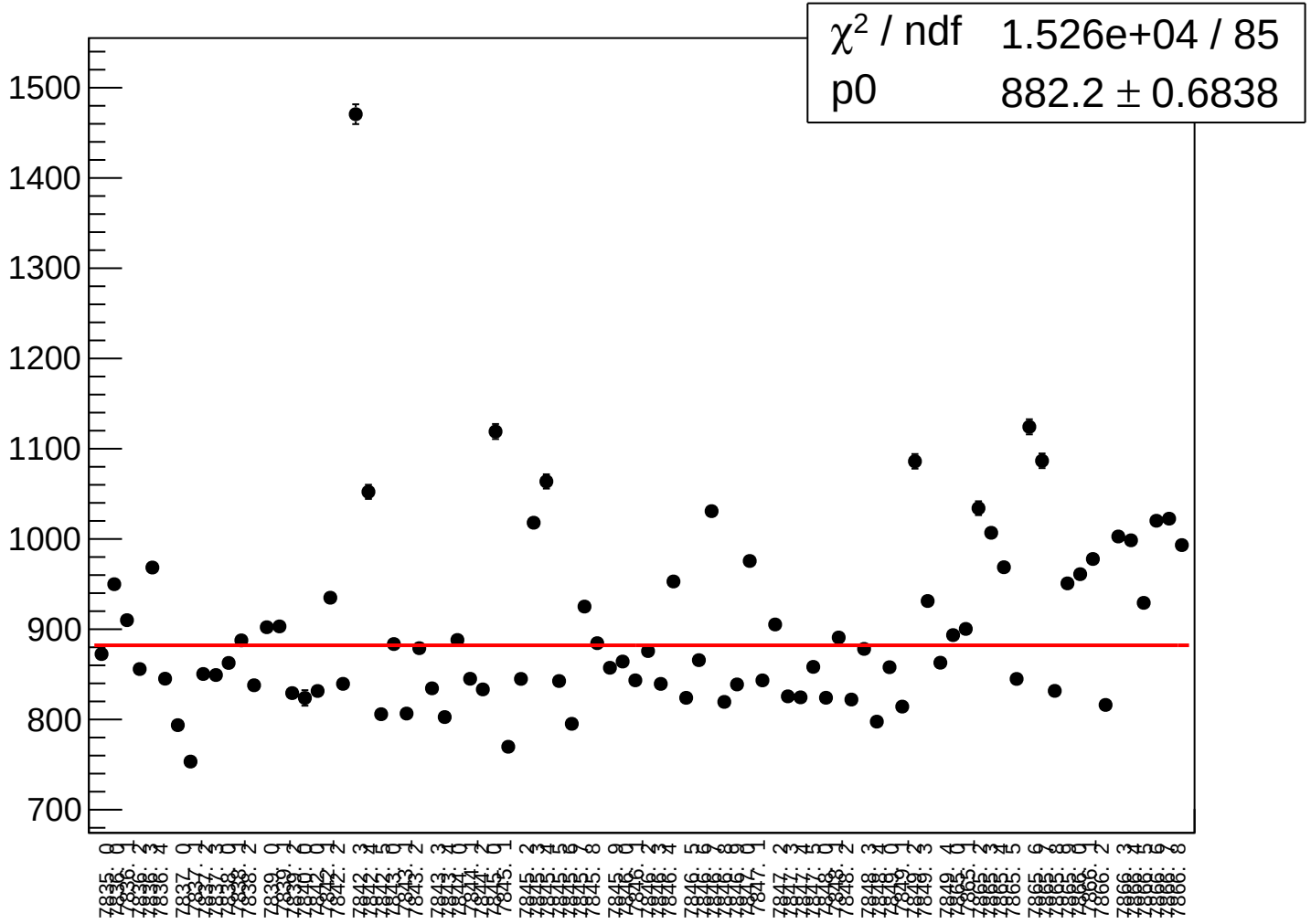

dit_asym_sam5_mean vs run
χ^2 / ndf 85.71 / 85
p0 262.4 ± 167.1
pull
Entries 86
Mean −1077
Std Dev 1107
pull1D
Entries 86
Mean 0.001657
Std Dev 0.9983

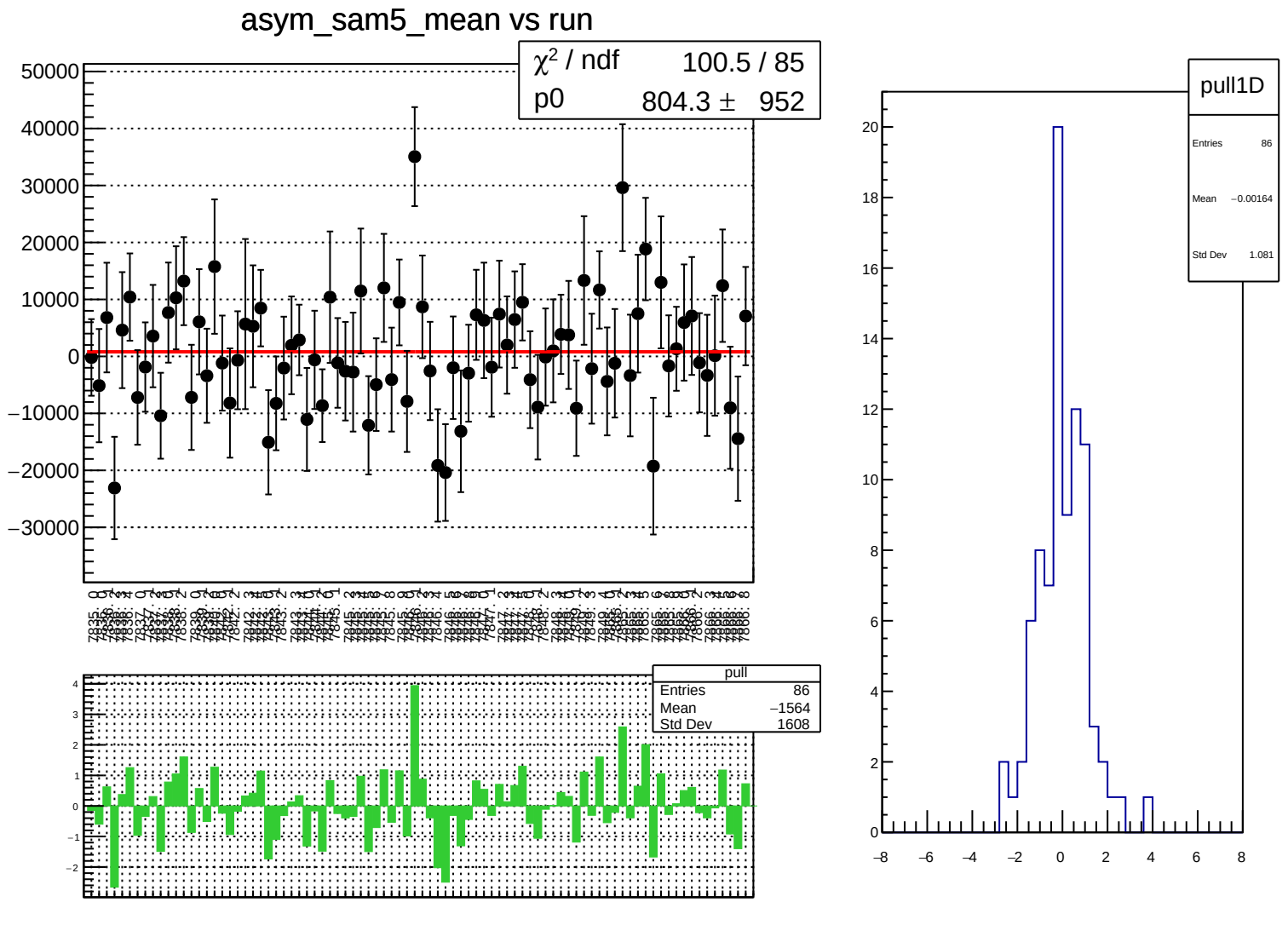
dit_asym_sam5_rms vs run

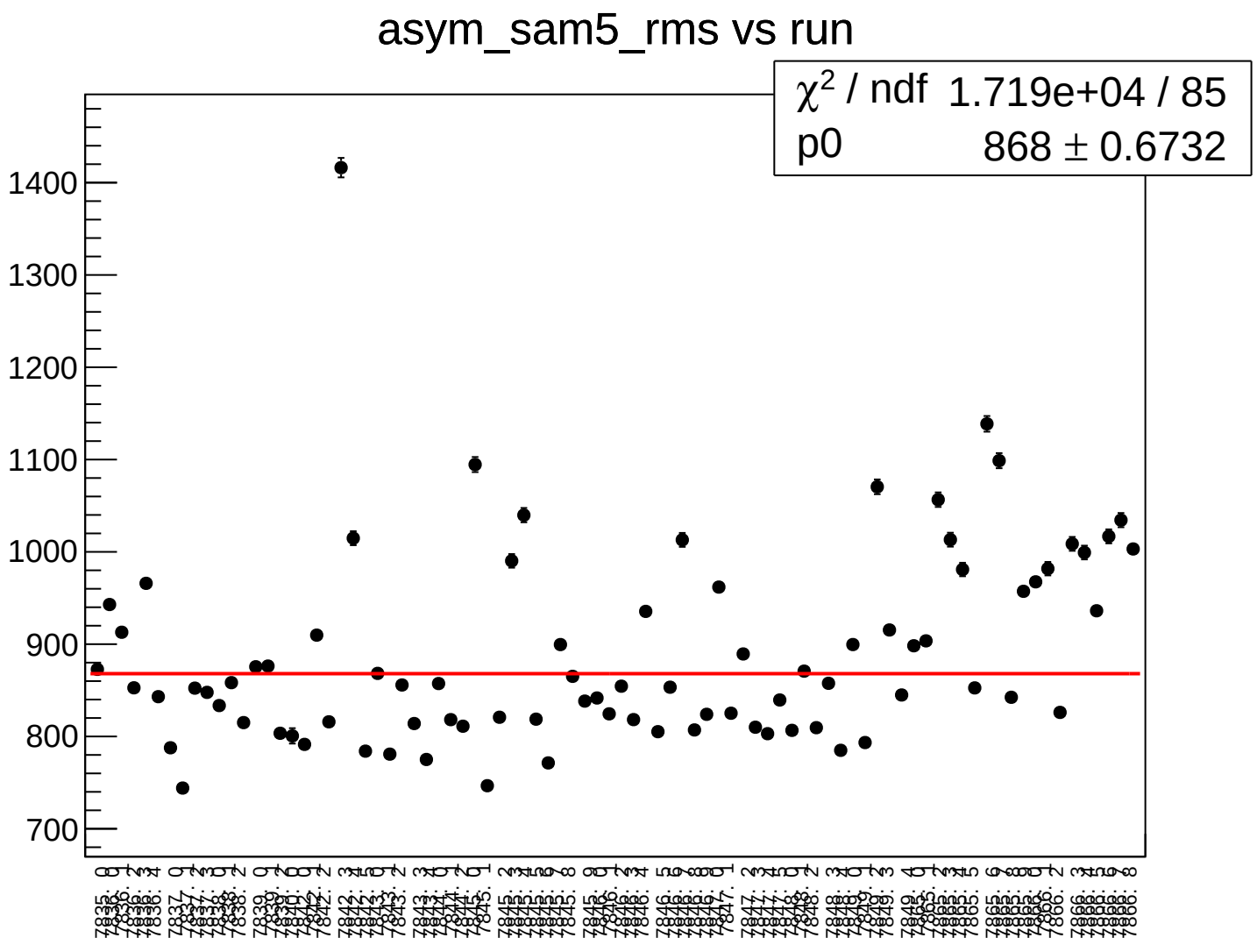


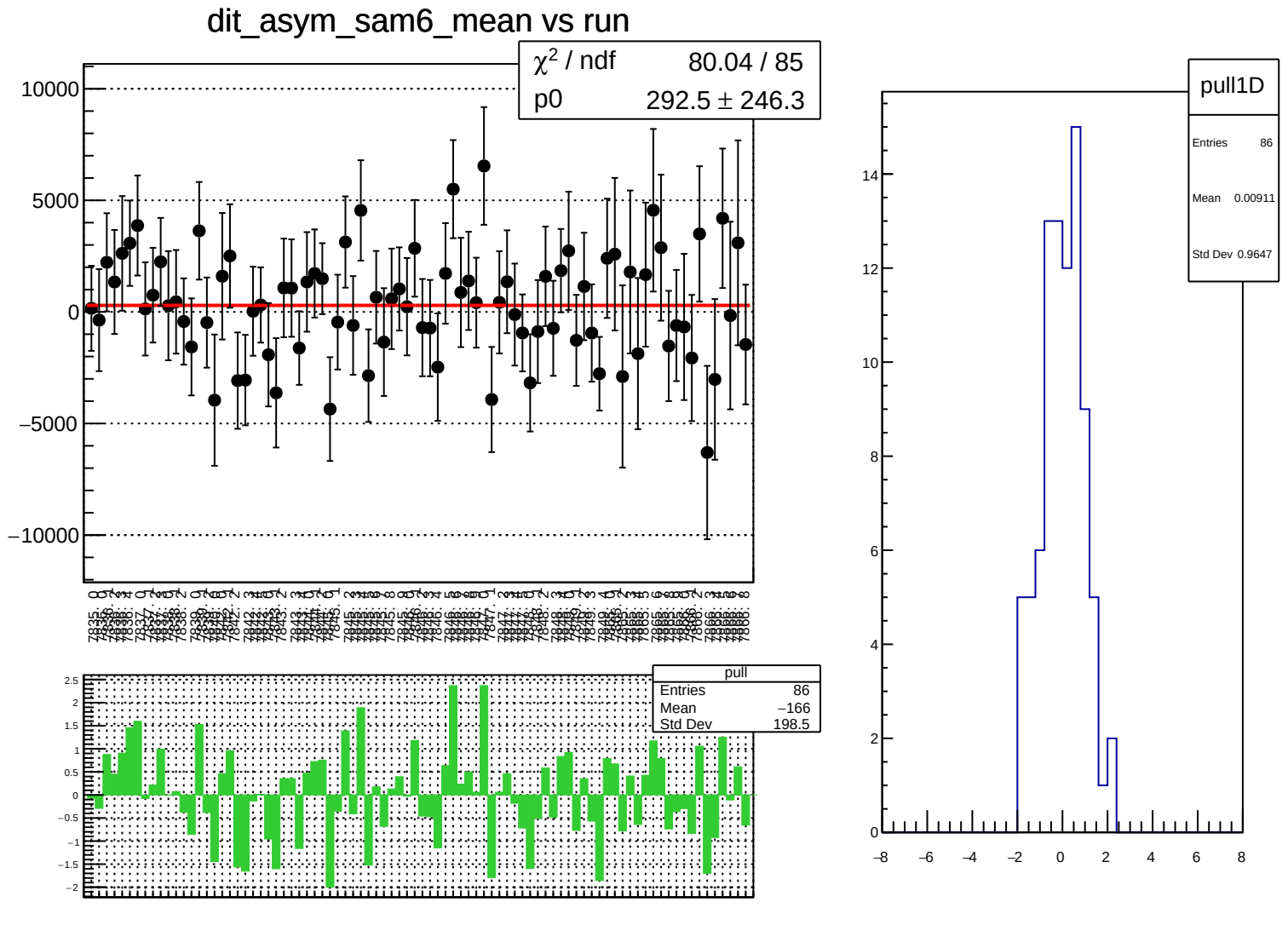

asym_sam5_correction_mean vs run
χ² / ndf 102.9 / 85
p0 −542.2 ± 967
pull
Entries 86
Mean −1458
Std Dev 1500
pull1D
Entries 86
Mean 0.002025
Std Dev 1.094

asym_sam5_correction_rms vs run

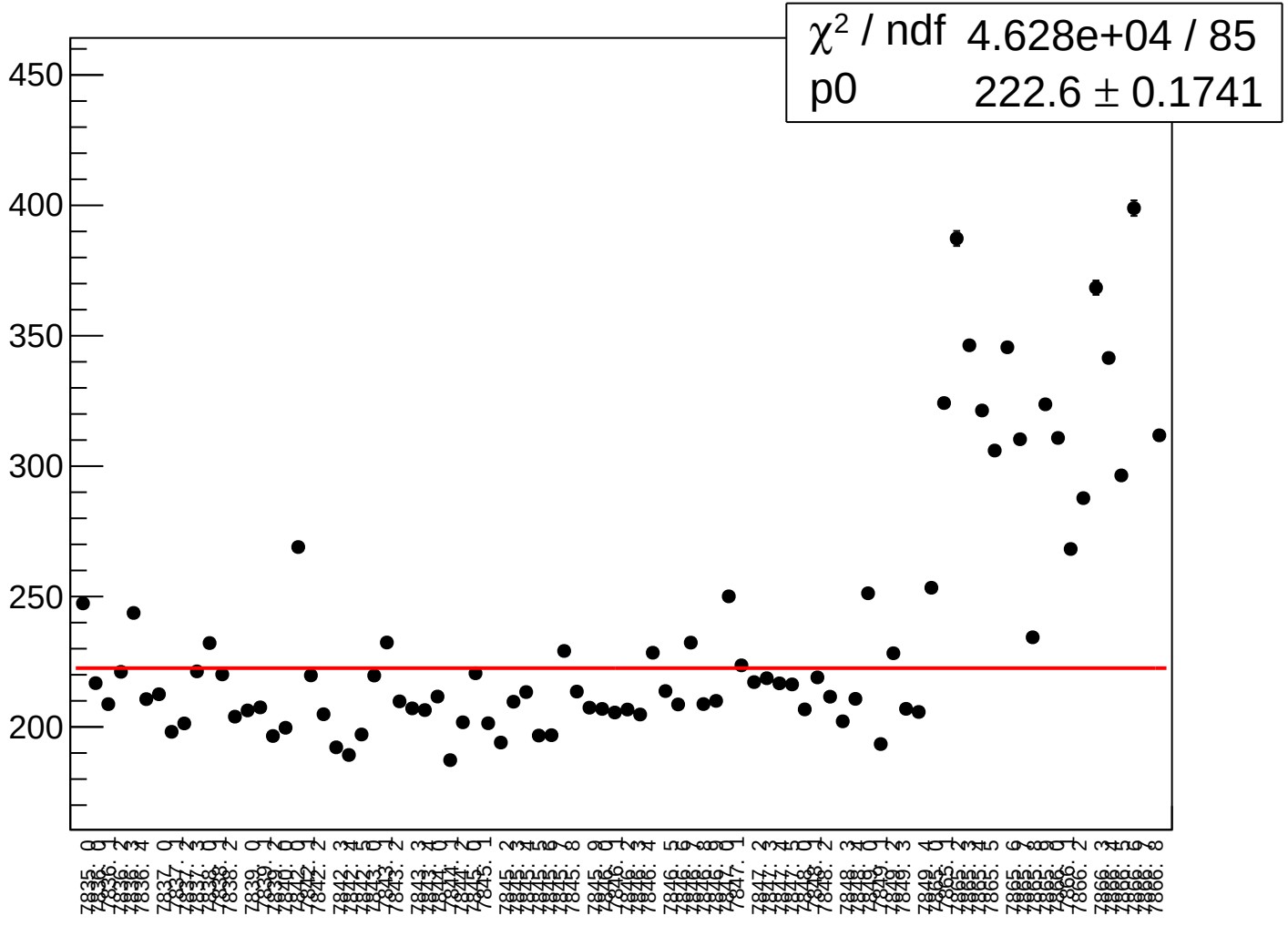


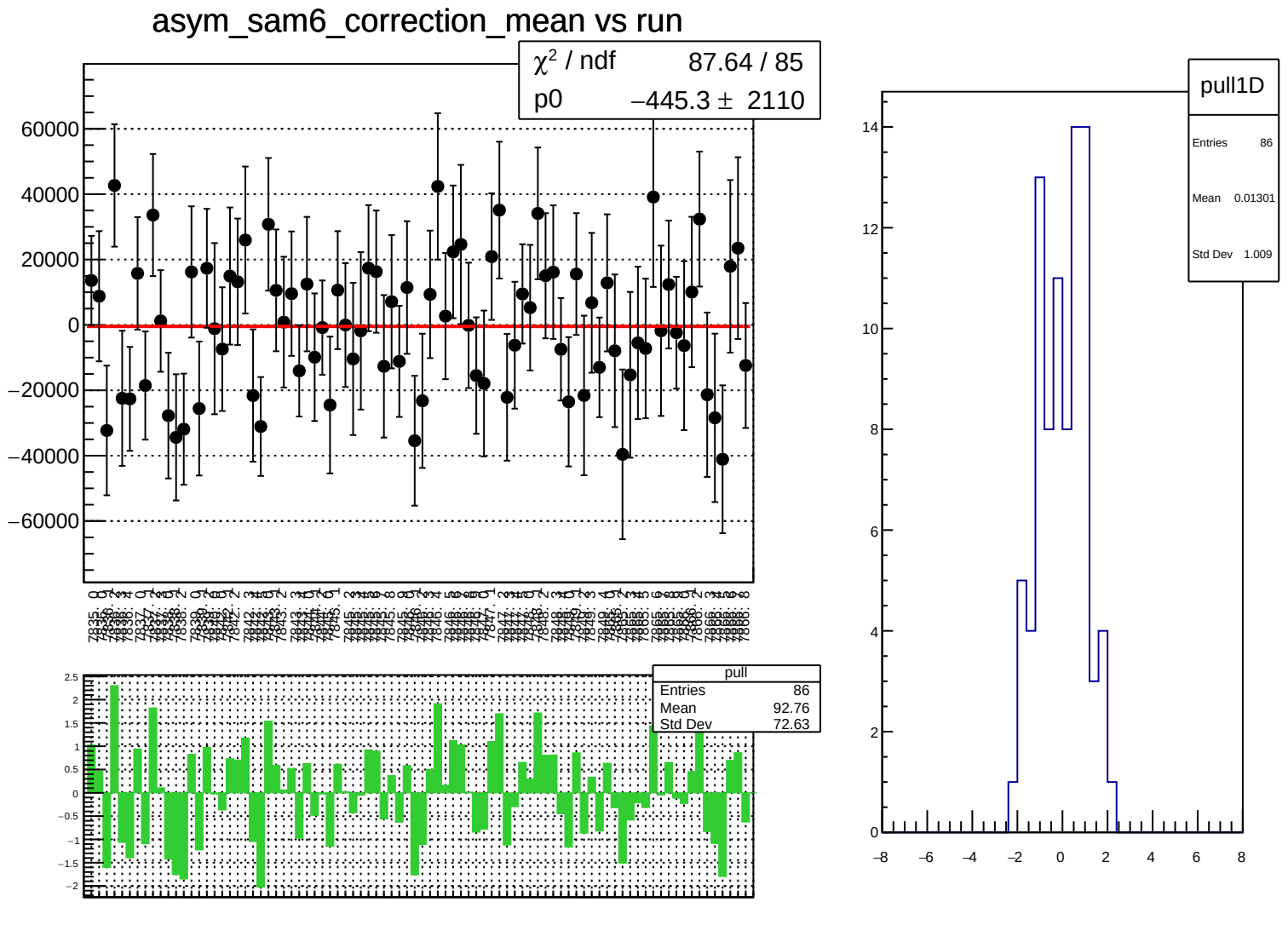

asym_sam5_mean vs run
χ² / ndf 100.5 / 85
p0 804.3 ± 952
pull
Entries 86
Mean −1564
Std Dev 1608
pull1D
Entries 86
Mean −0.00164
Std Dev 1.081


asym_sam5_rms vs run
χ2 / ndf 1.719e+04 / 85
p0 868 ± 0.6732
1400
1300
1200
1100
1000
900
800
700

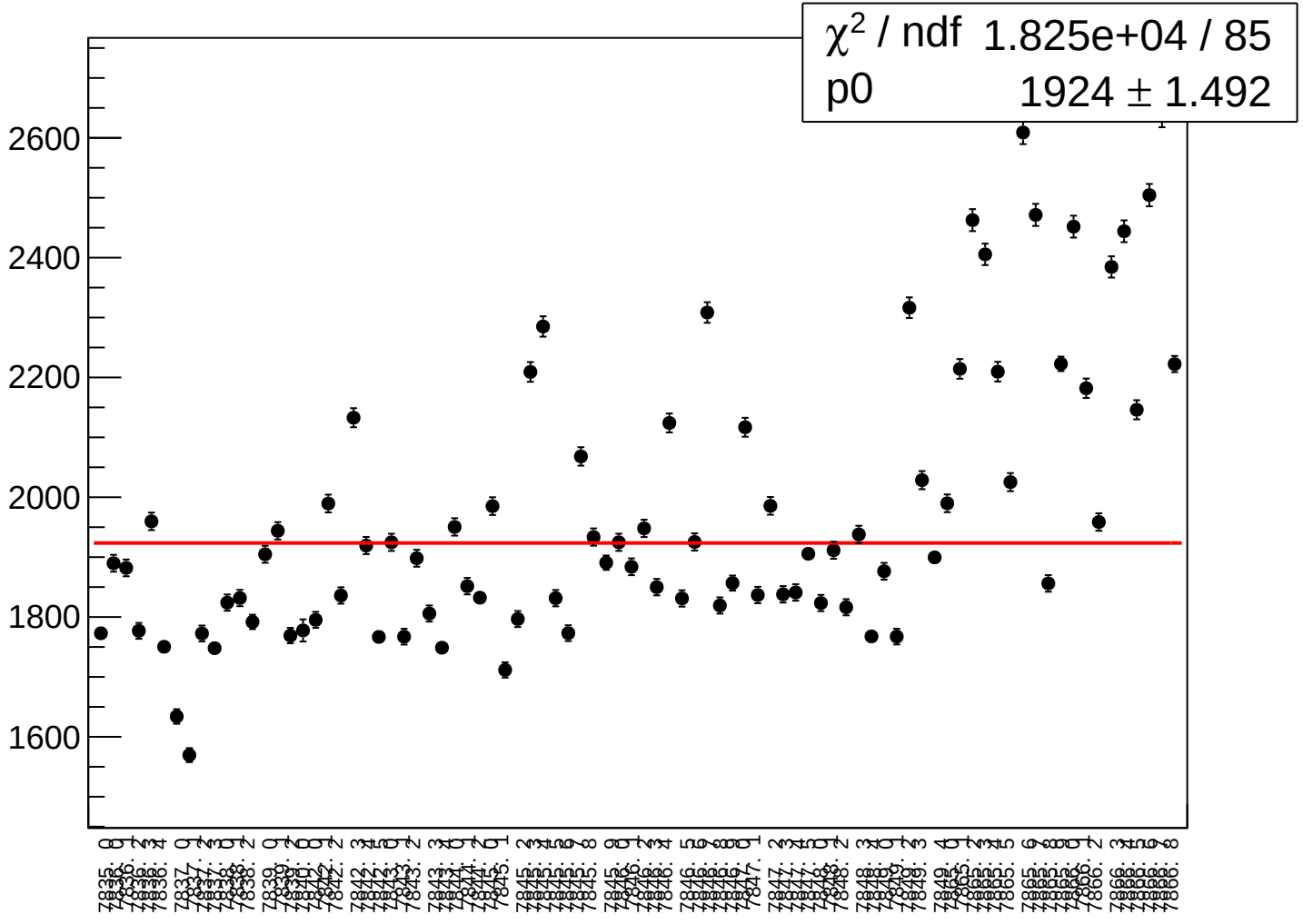

dit_asym_sam6_mean vs run
χ² / ndf 80.04 / 85
p0 292.5 ± 246.3
pull
Entries 86
Mean −166
Std Dev 198.5
pull1D
Entries 86
Mean 0.00911
Std Dev 0.9647

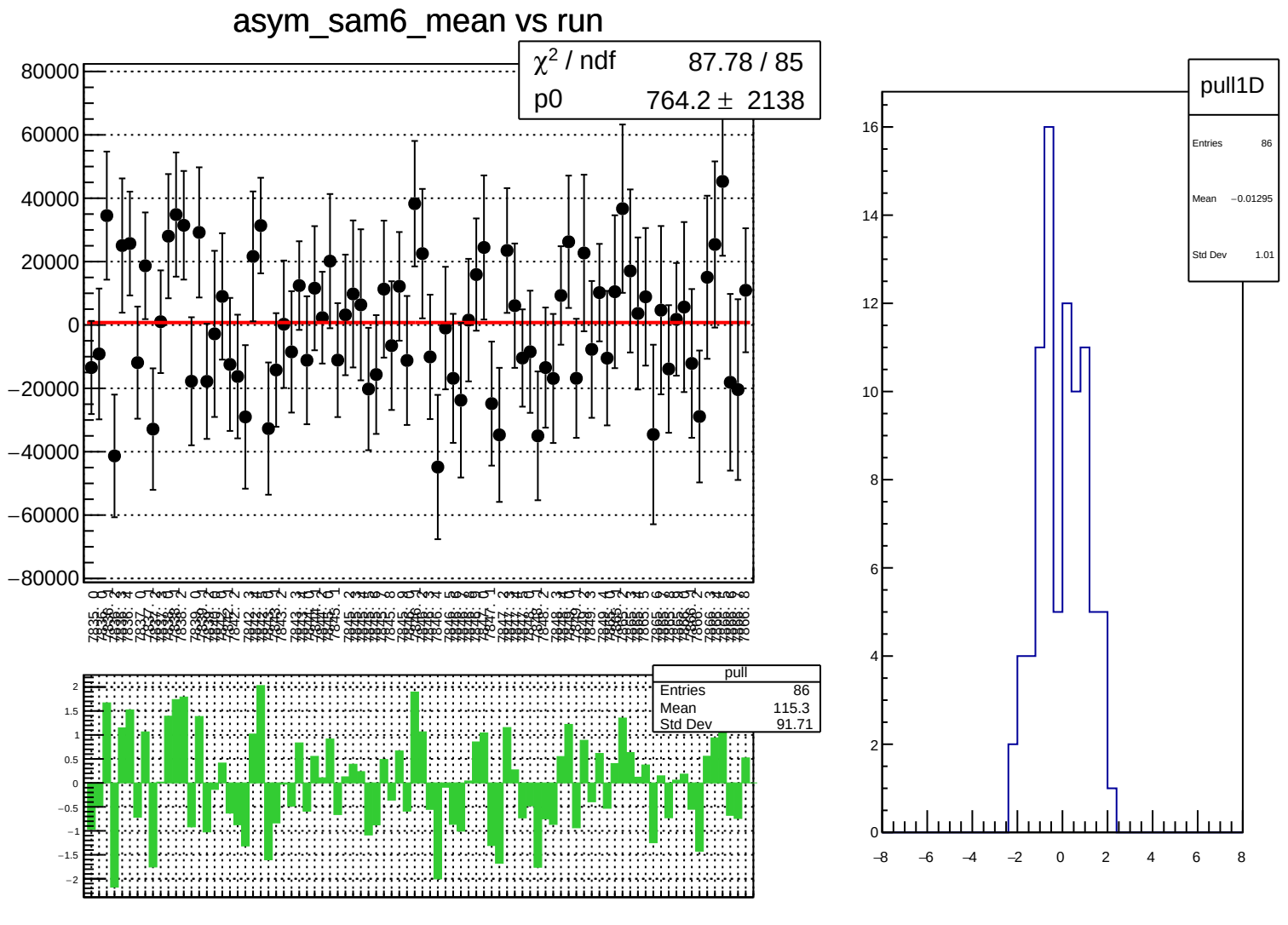
dit_asym_sam6_rms vs run

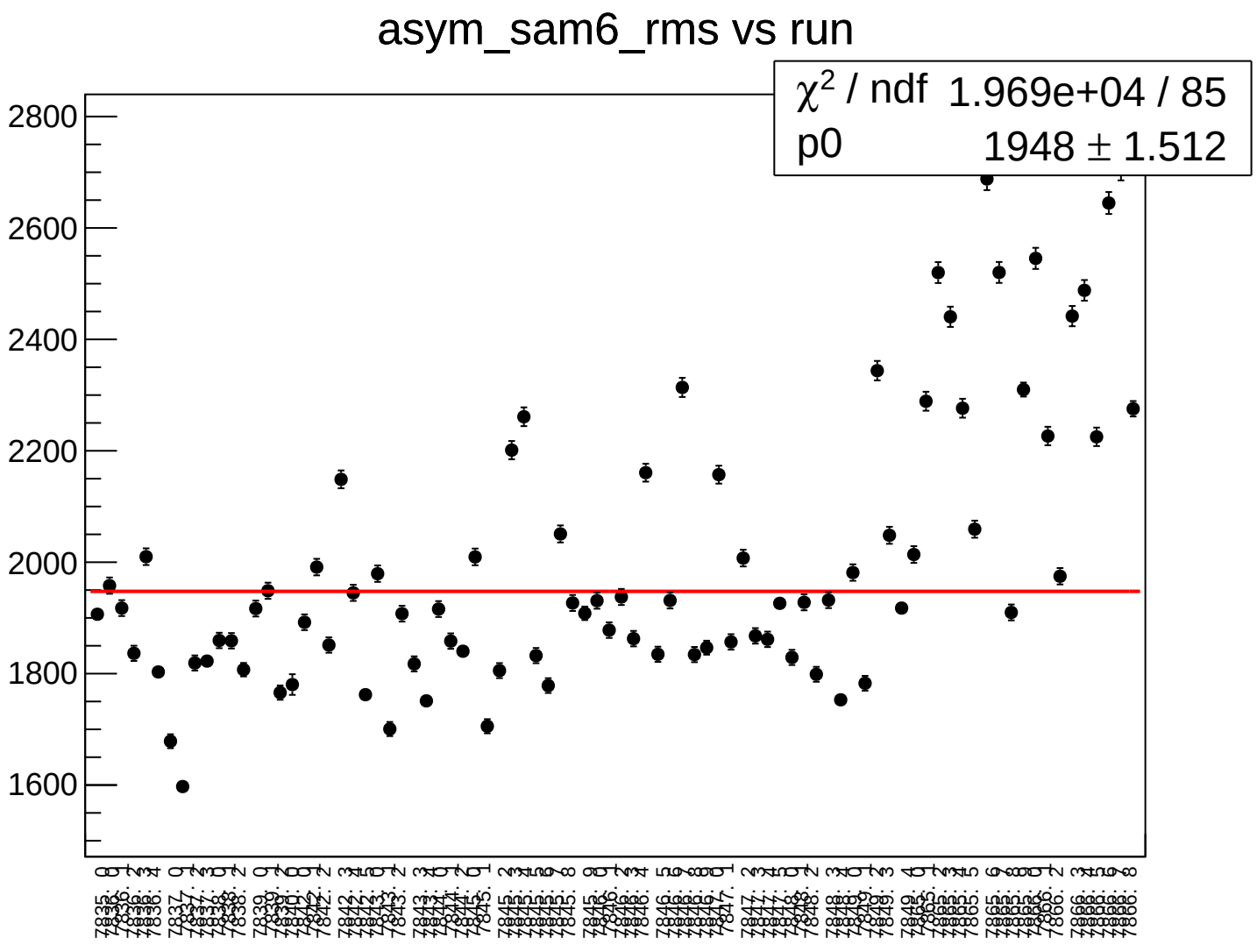


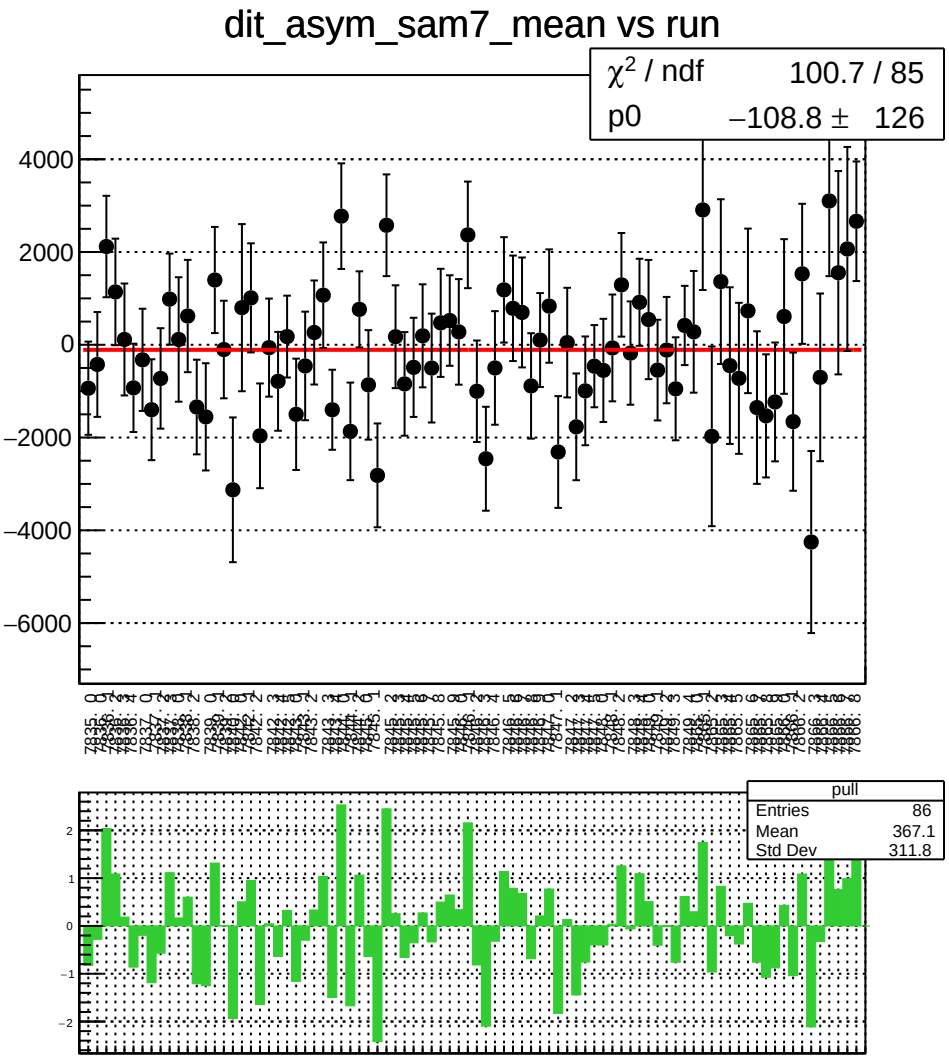

asym_sam6_correction_mean vs run
χ² / ndf 87.64 / 85
p0 −445.3 ± 2110
pull
Entries 86
Mean 92.76
Std Dev 72.63
pull1D
Entries 86
Mean 0.01301
Std Dev 1.009

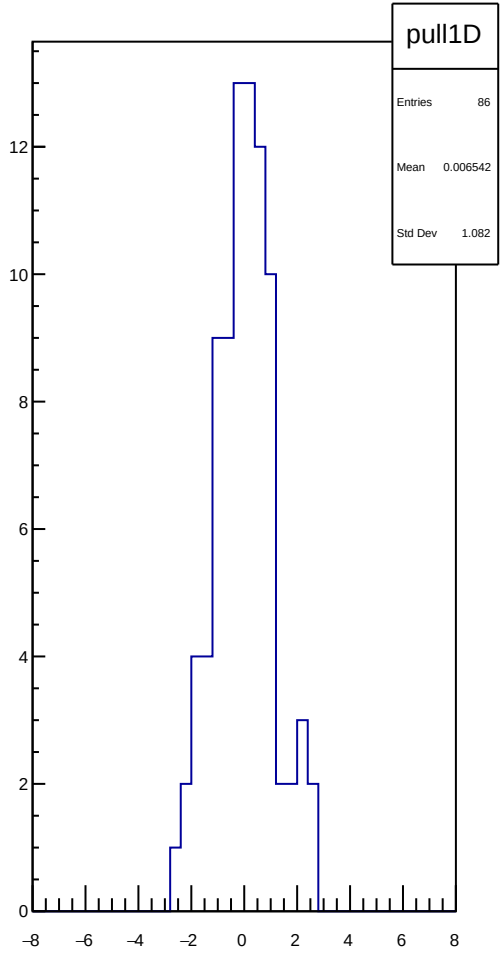
asym_sam6_correction_rms vs run



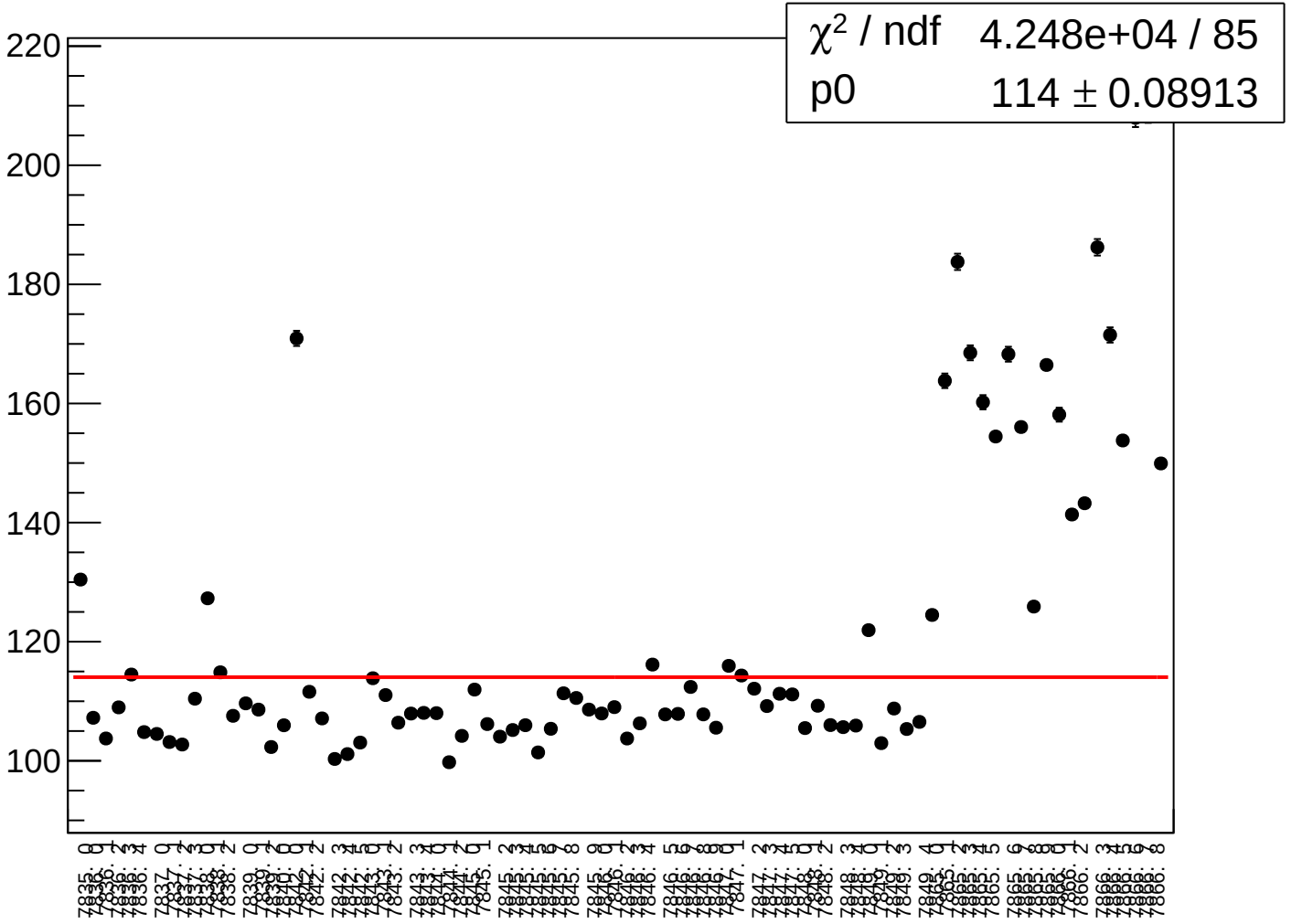

asym_sam6_mean vs run
χ² / ndf 87.78 / 85
p0 764.2 ± 2138
pull
Entries 86
Mean 115.3
Std Dev 91.71
pull1D
Entries 86
Mean −0.01295
Std Dev 1.01

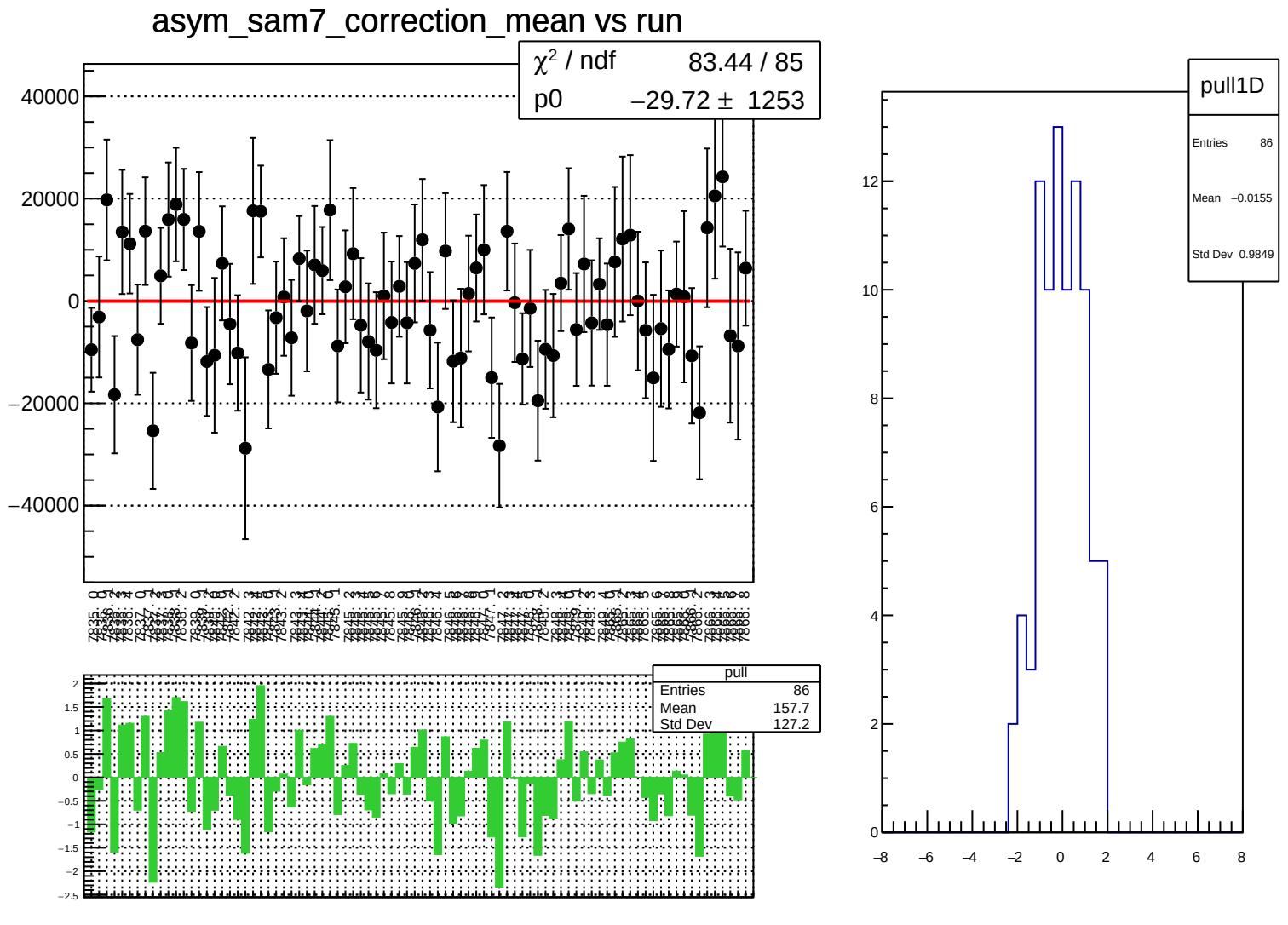

asym_sam6_rms vs run
χ2 / ndf 1.969e+04 / 85
p0 1948 ± 1.512
2800
2600
2400
2200
2000
1800
1600


dit_asym_sam7_mean vs run
χ² / ndf 100.7 / 85
p0 −108.8 ± 126
4000
2000
0
−2000
−4000
−6000
pull
Entries 86
Mean 367.1
Std Dev 311.8
2
1
0
−1
−2

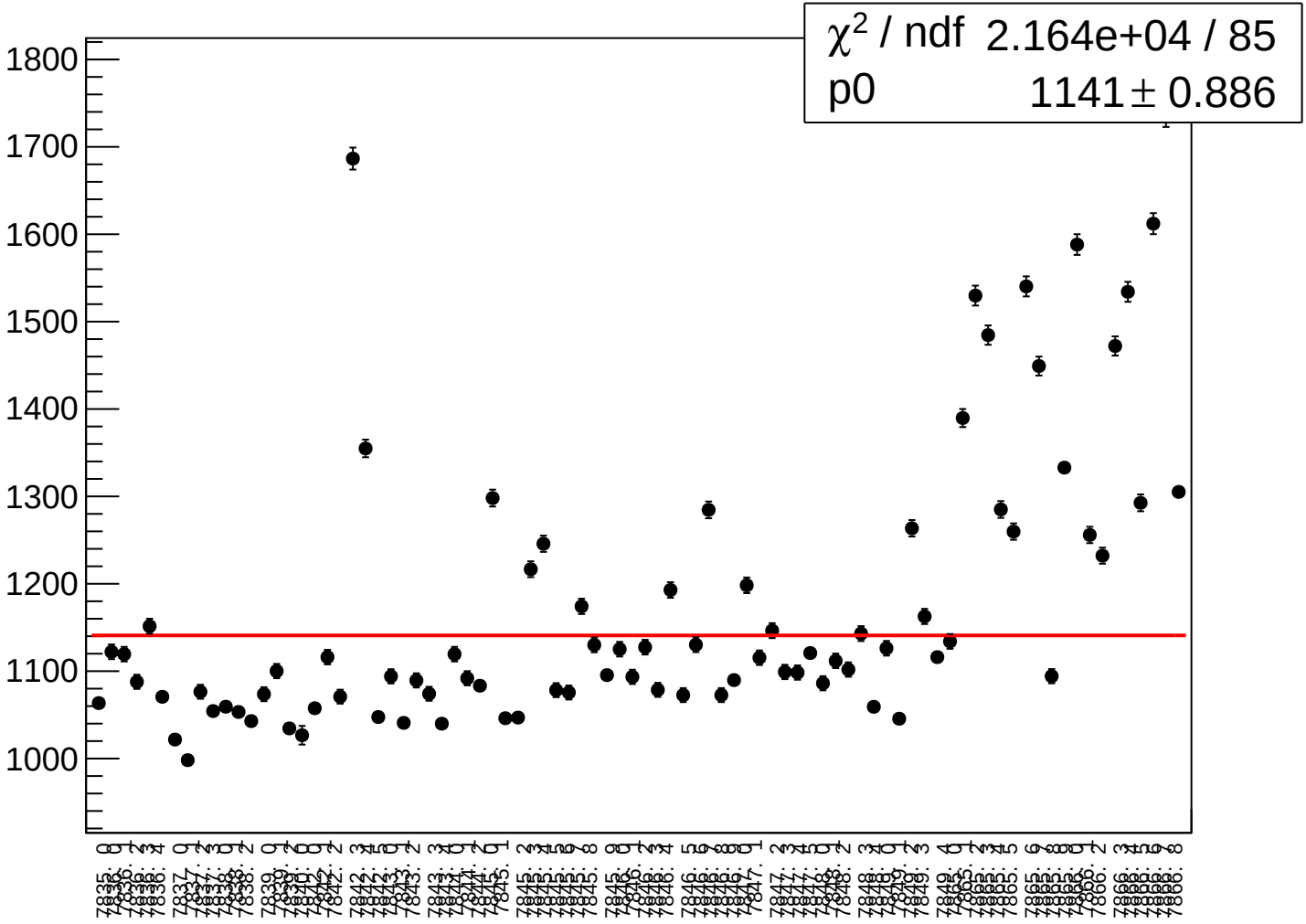

pull1D
Entries 86
Mean 0.006542
Std Dev 1.082
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

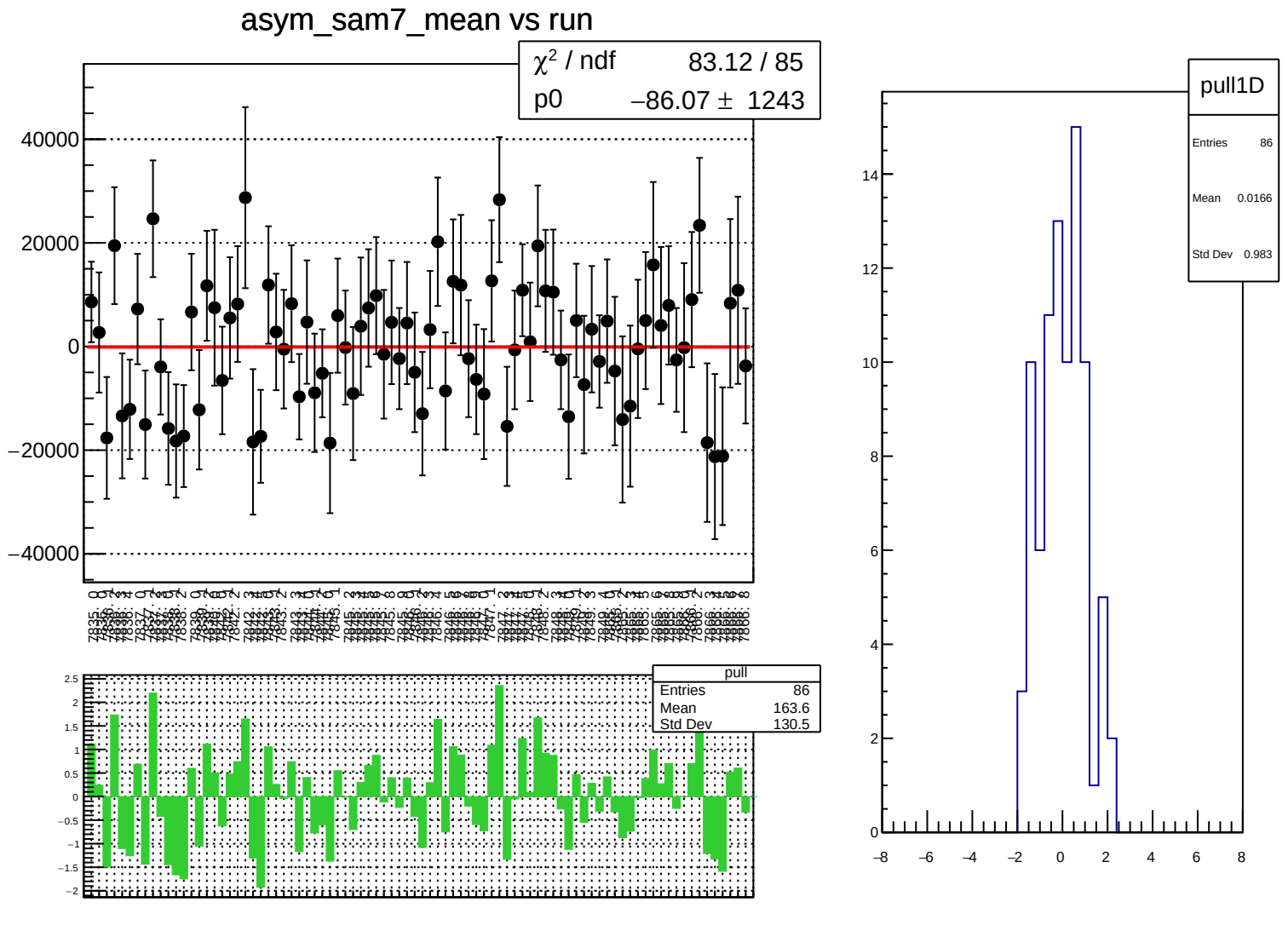
dit_asym_sam7_rms vs run



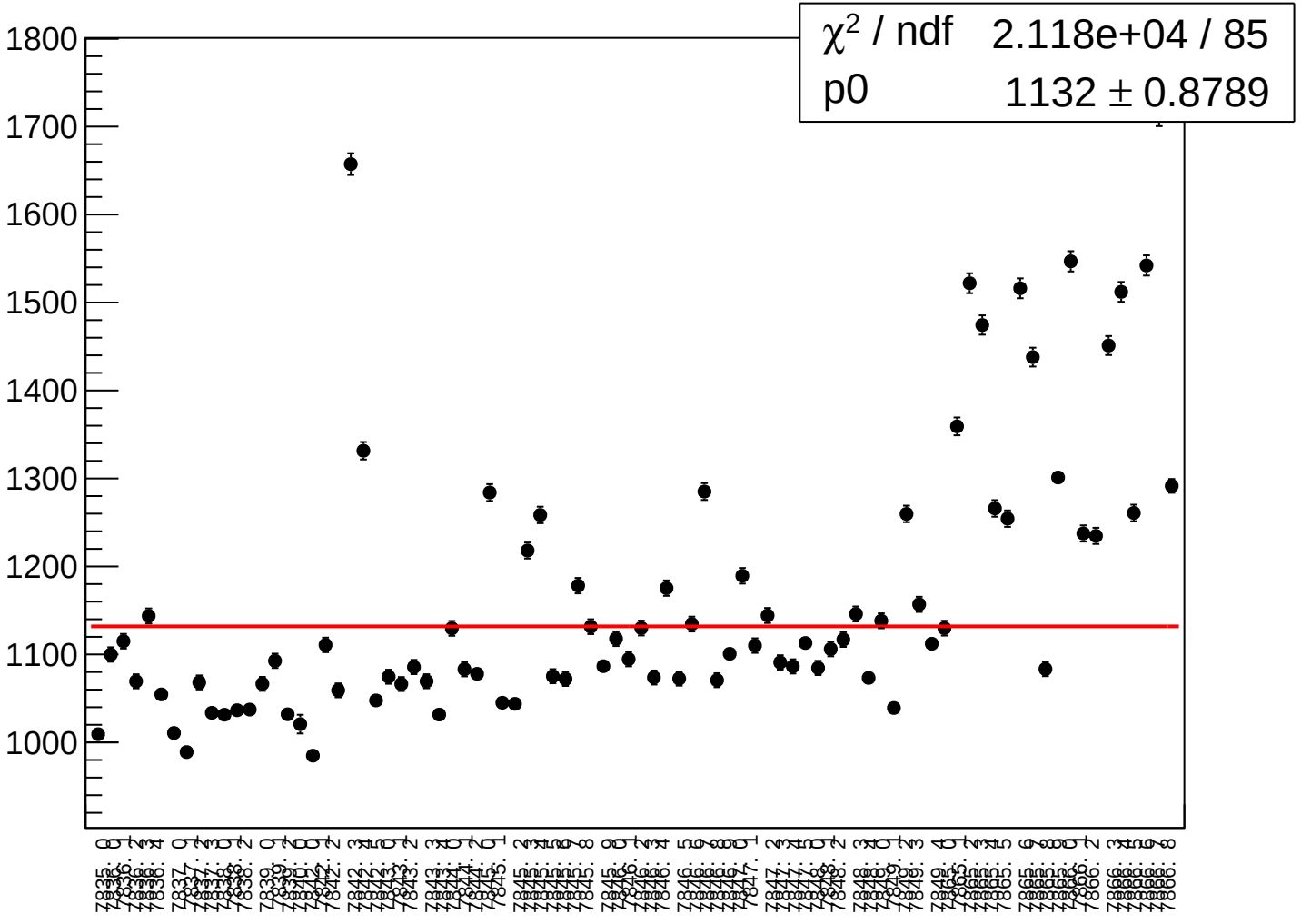

asym_sam7_correction_mean vs run
χ² / ndf 83.44 / 85
p0 −29.72 ± 1253
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 157.7
Std Dev 127.2
pull1D
Entries 86
Mean −0.0155
Std Dev 0.9849

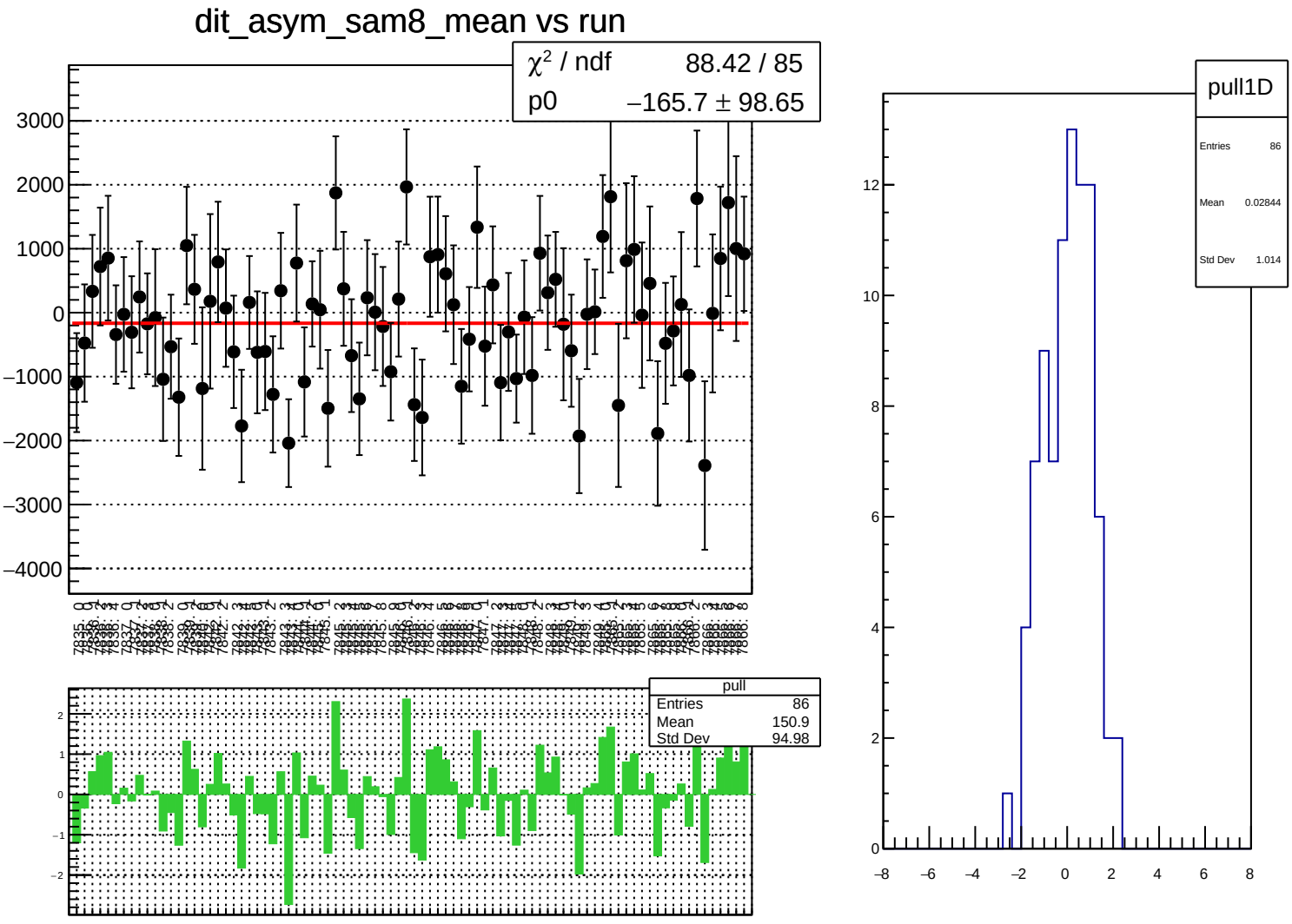
asym_sam7_correction_rms vs run



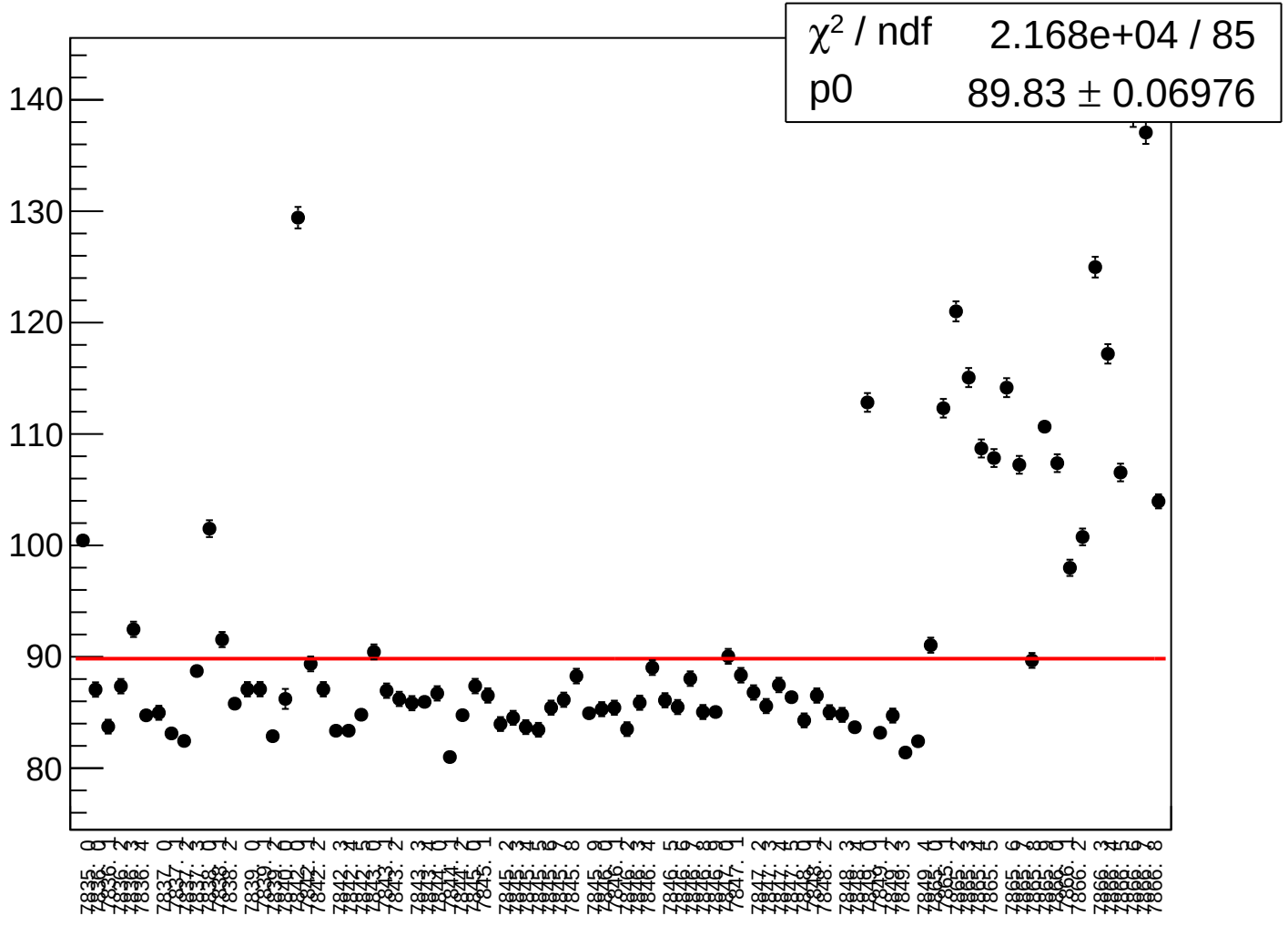

asym_sam7_mean vs run
χ² / ndf 83.12 / 85
p0 −86.07 ± 1243
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 163.6
Std Dev 130.5
pull1D
Entries 86
Mean 0.0166
Std Dev 0.983

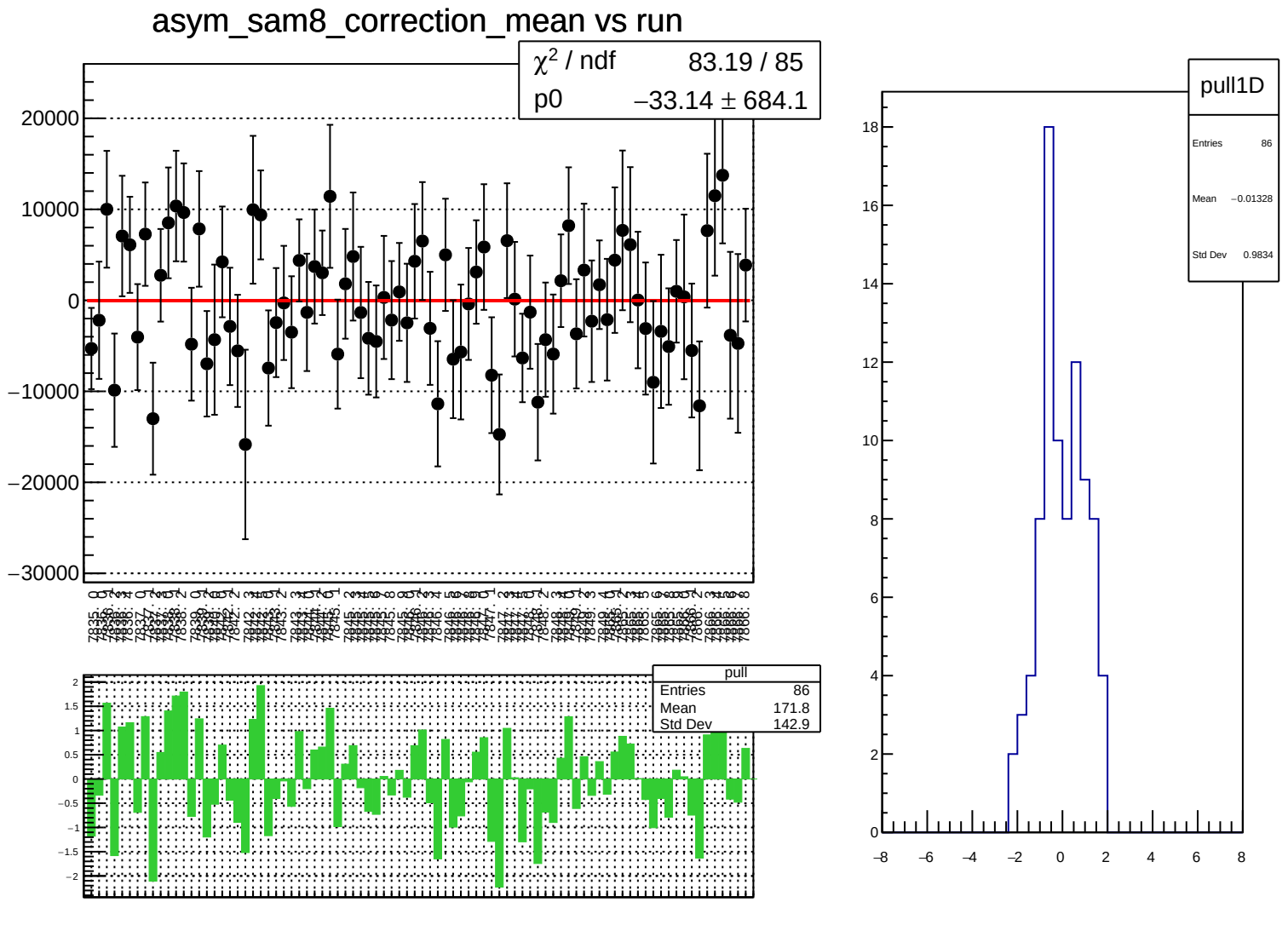
asym_sam7_rms vs run



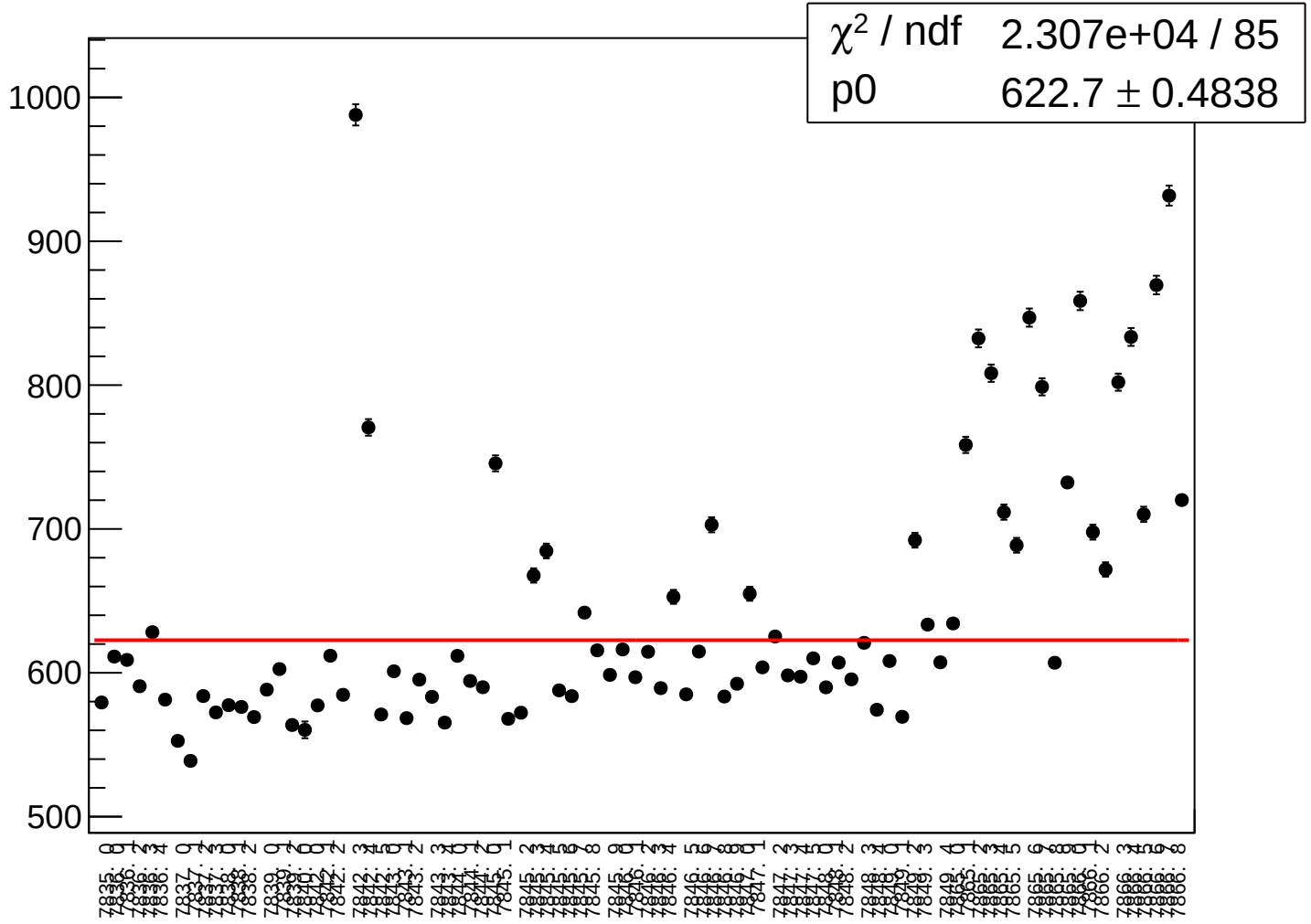

dit_asym_sam8_mean vs run
χ² / ndf 88.42 / 85
p0 −165.7 ± 98.65
pull
Entries 86
Mean 150.9
Std Dev 94.98
pull1D
Entries 86
Mean 0.02844
Std Dev 1.014

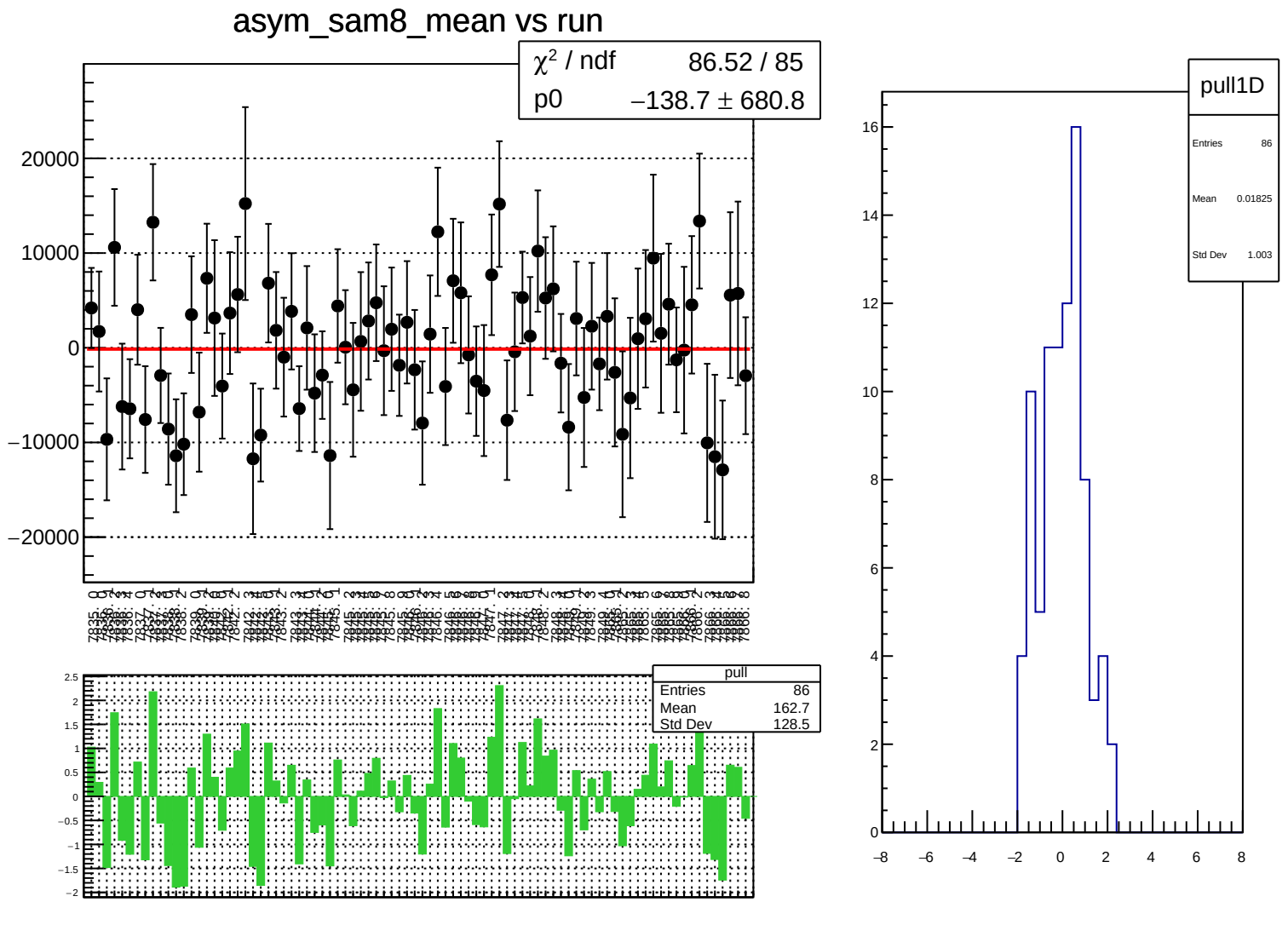
dit_asym_sam8_rms vs run



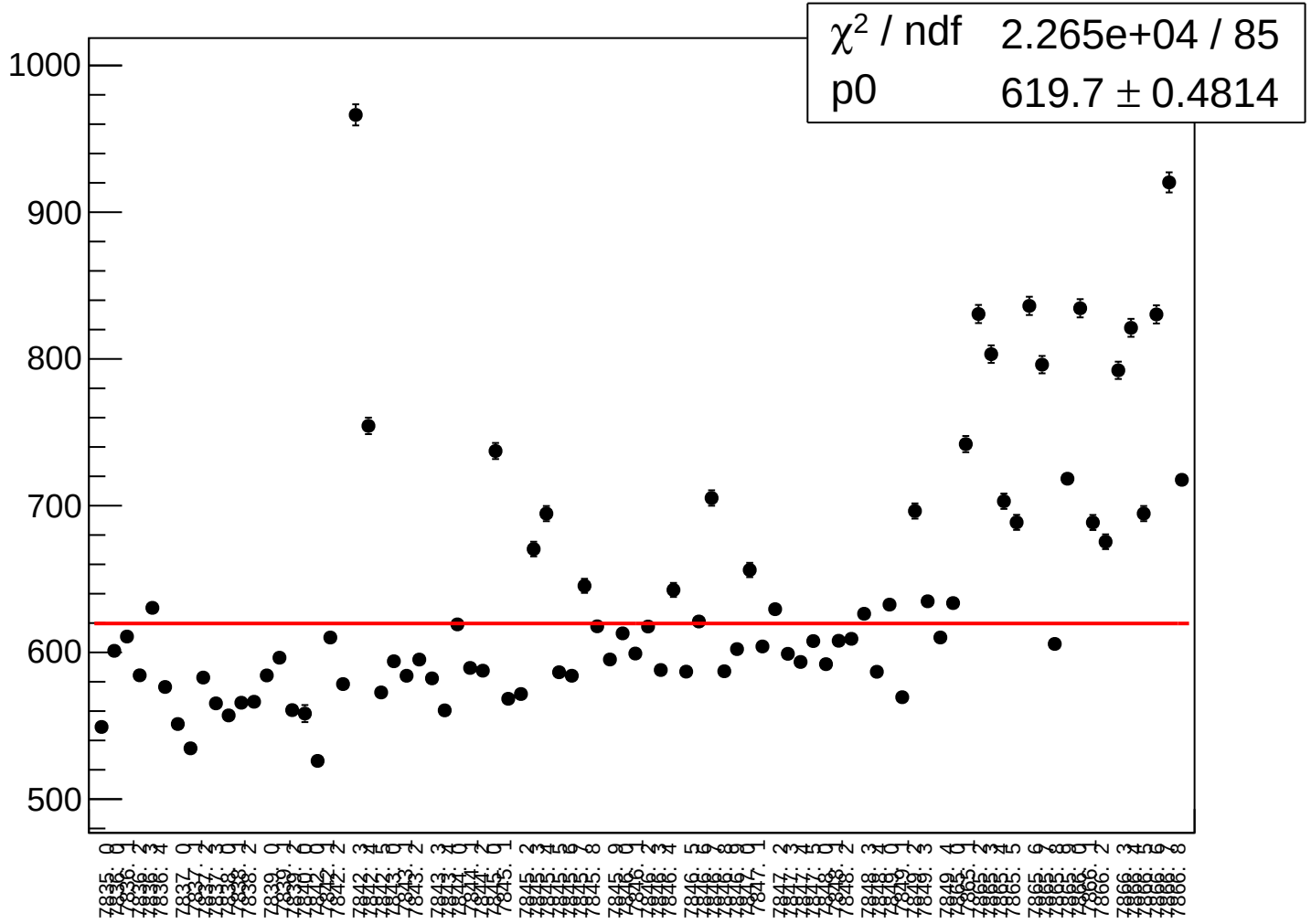

asym_sam8_correction_mean vs run
χ^2 / ndf 83.19 / 85
p0 −33.14 ± 684.1
pull
Entries 86
Mean 171.8
Std Dev 142.9
pull1D
Entries 86
Mean −0.01328
Std Dev 0.9834

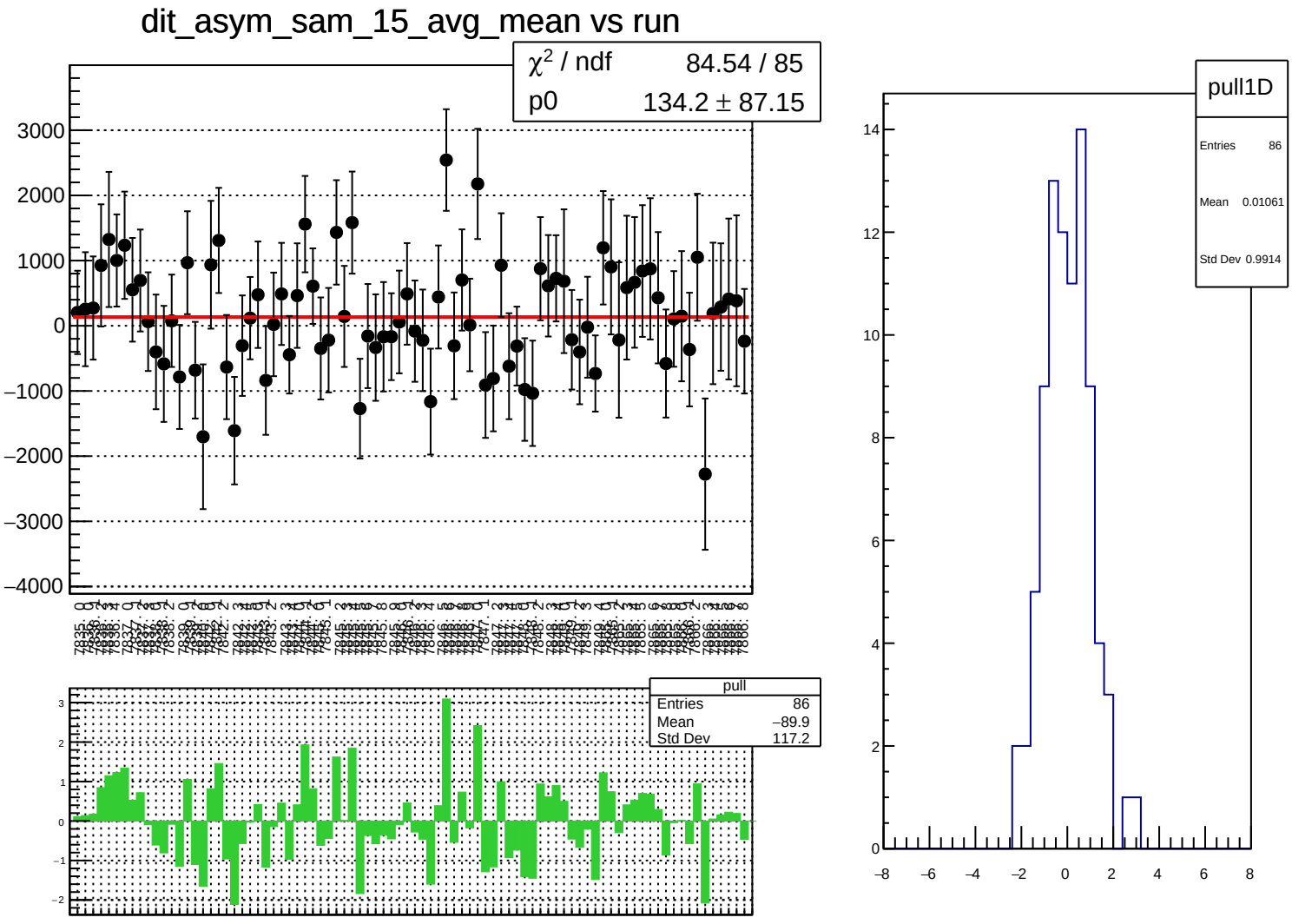
asym_sam8_correction_rms vs run



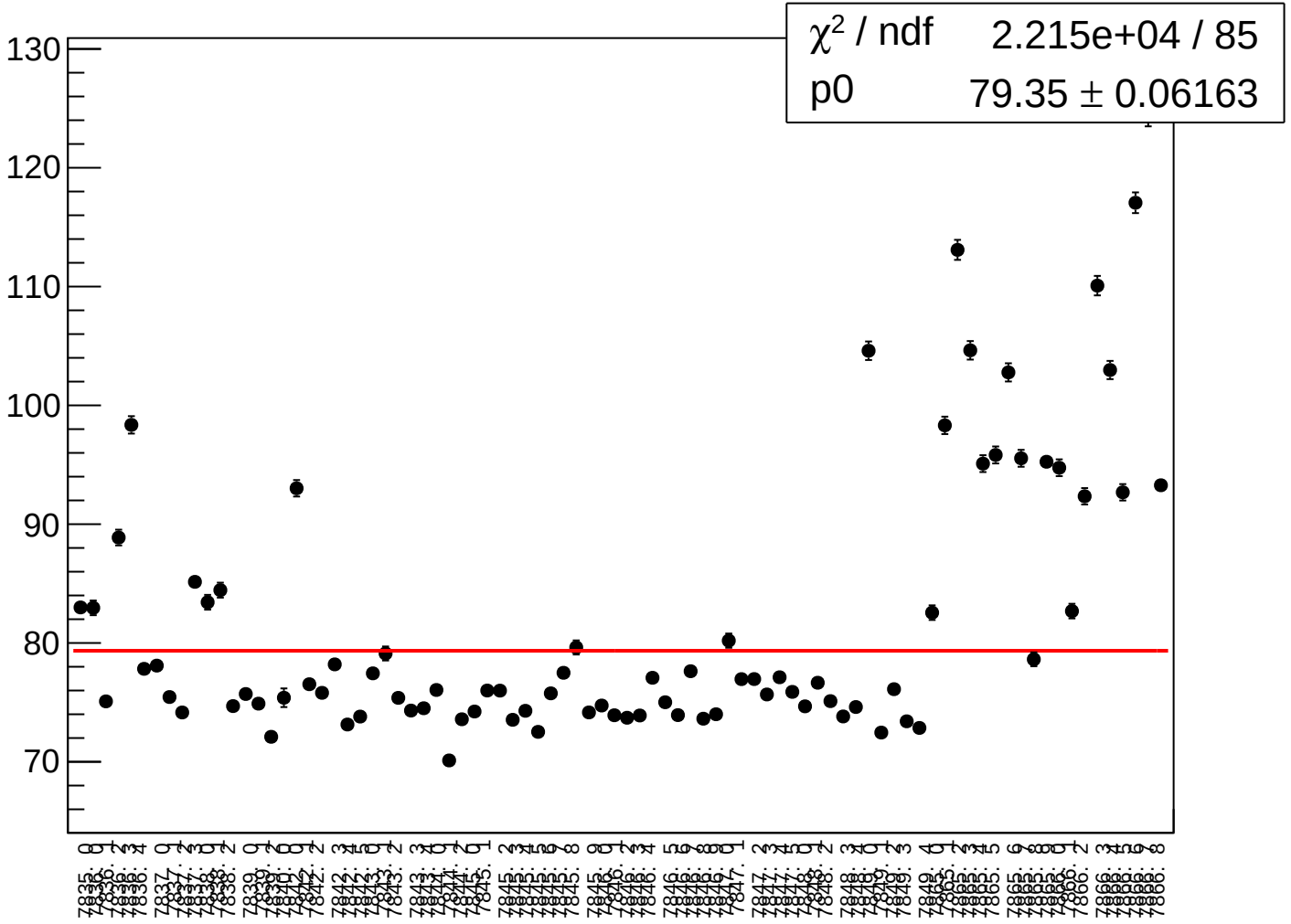

asym_sam8_mean vs run
χ² / ndf 86.52 / 85
p0 −138.7 ± 680.8
20000
10000
0
−10000
−20000
pull
Entries 86
Mean 162.7
Std Dev 128.5
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 86
Mean 0.01825
Std Dev 1.003
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

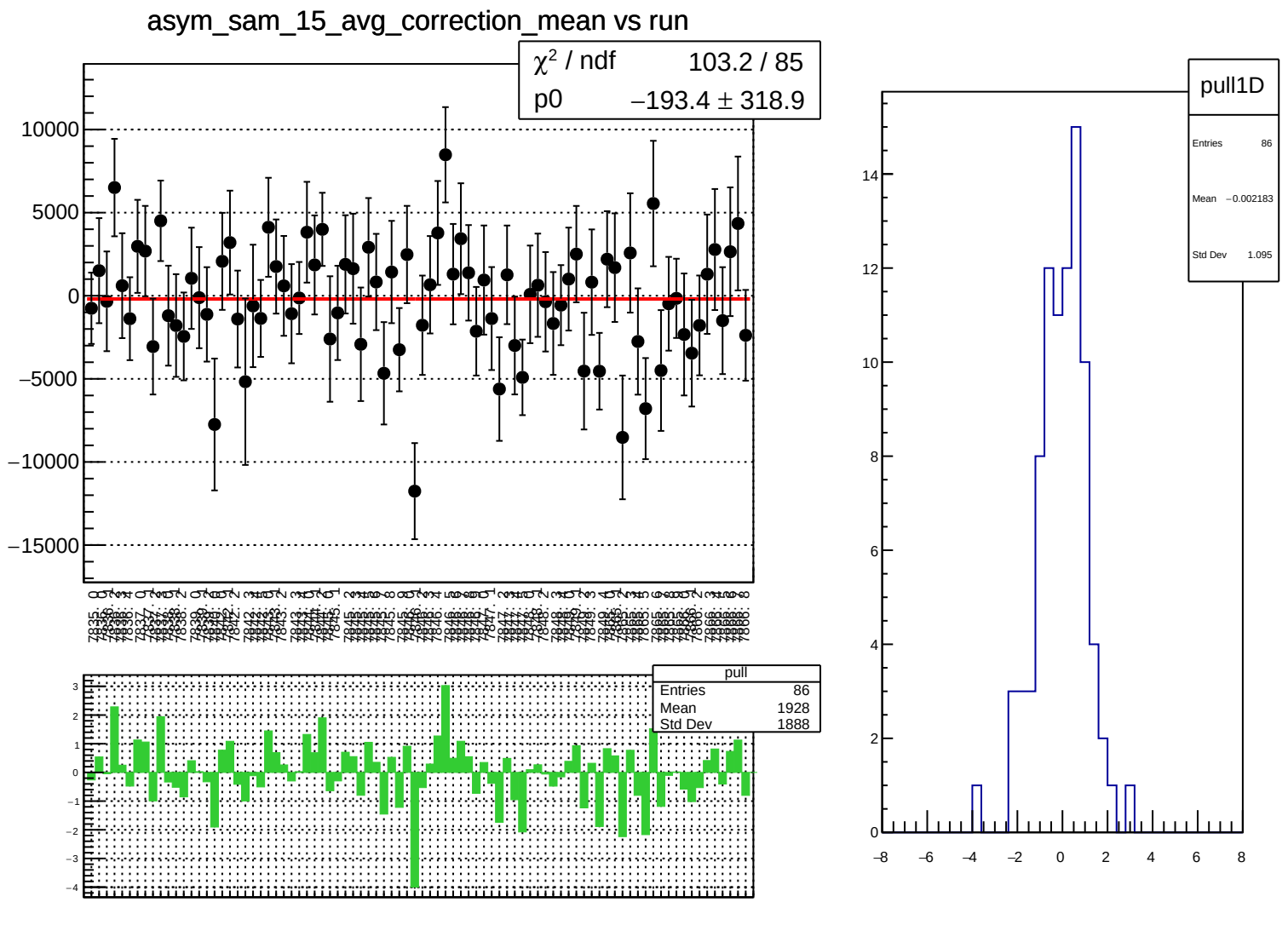
asym_sam8_rms vs run



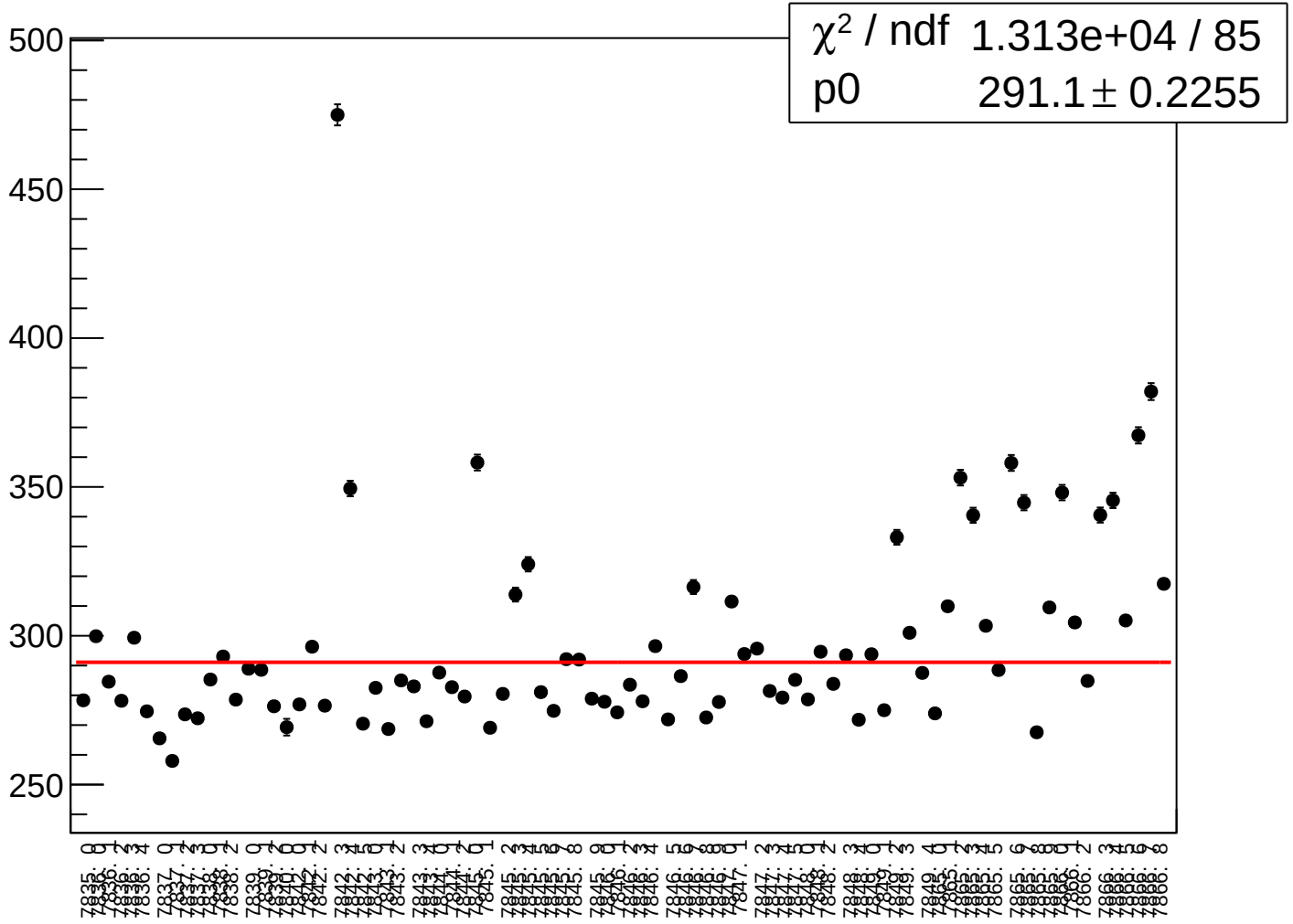

dit_asym_sam_15_avg_mean vs run
χ² / ndf 84.54 / 85
p0 134.2 ± 87.15
pull
Entries 86
Mean −89.9
Std Dev 117.2
pull1D
Entries 86
Mean 0.01061
Std Dev 0.9914

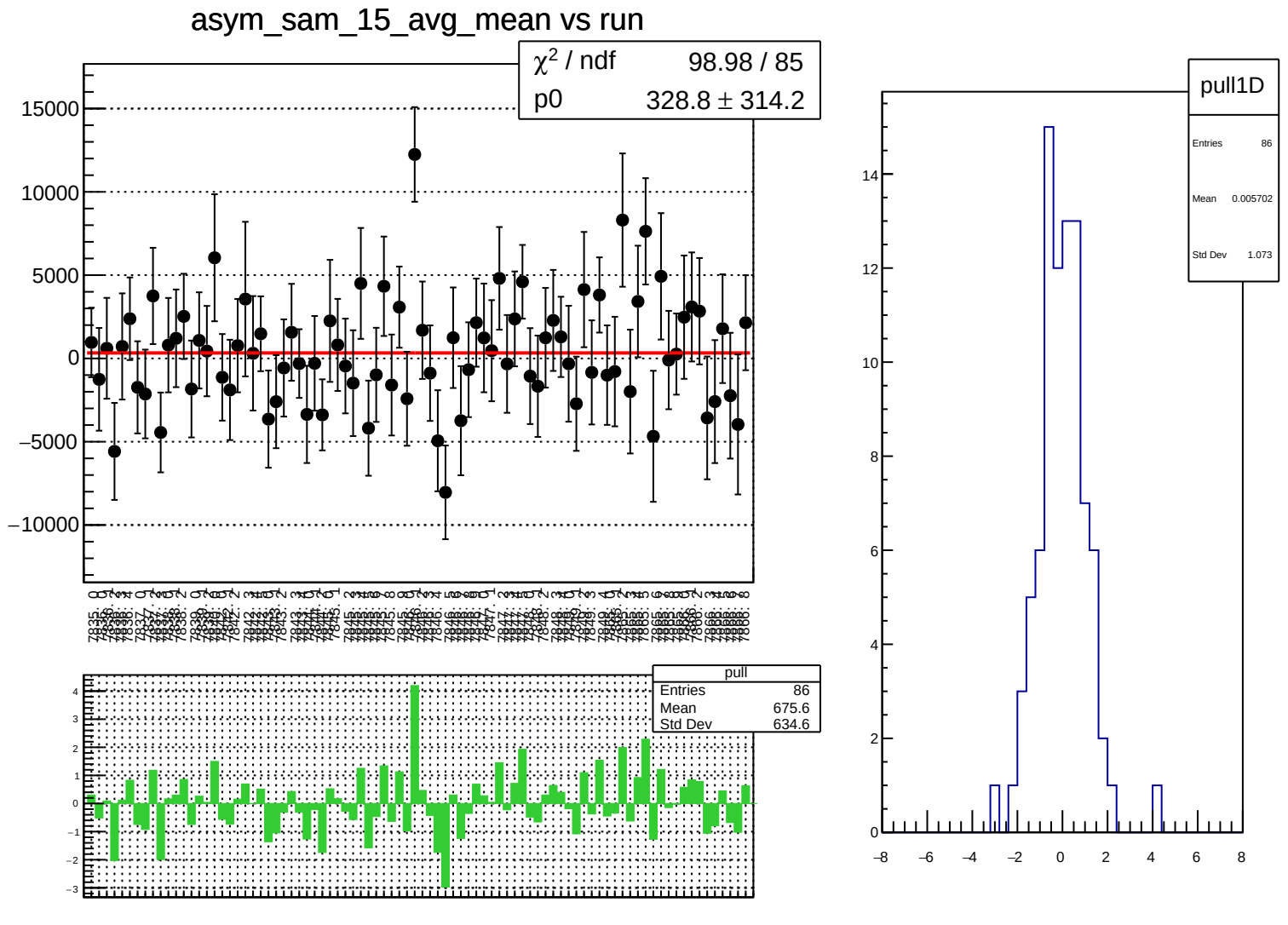
dit_asym_sam_15_avg_rms vs run



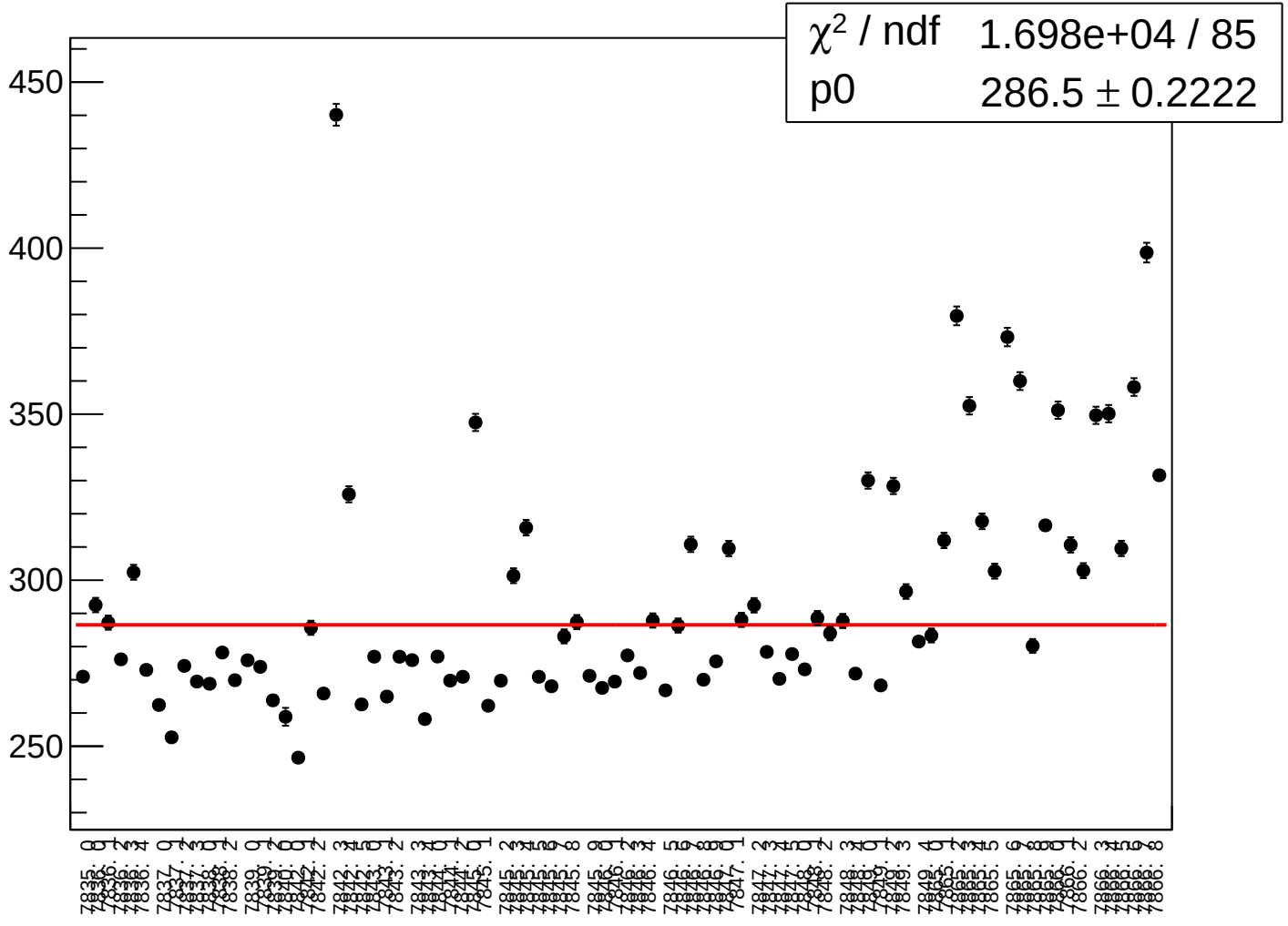

asym_sam_15_avg_correction_mean vs run
χ² / ndf 103.2 / 85
p0 −193.4 ± 318.9
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean 1928
Std Dev 1888
pull1D
Entries 86
Mean −0.002183
Std Dev 1.095

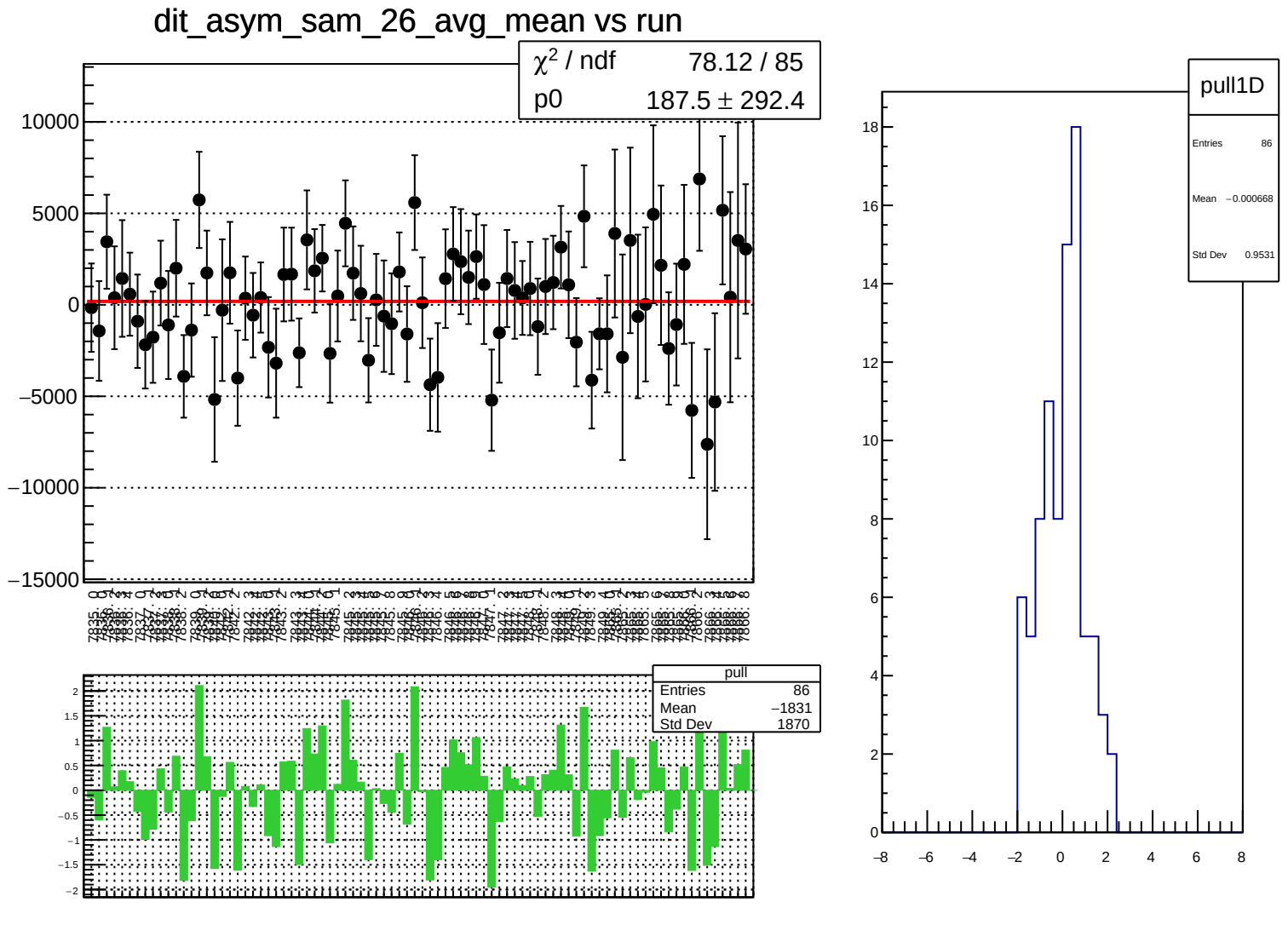
asym_sam_15_avg_correction_rms vs run



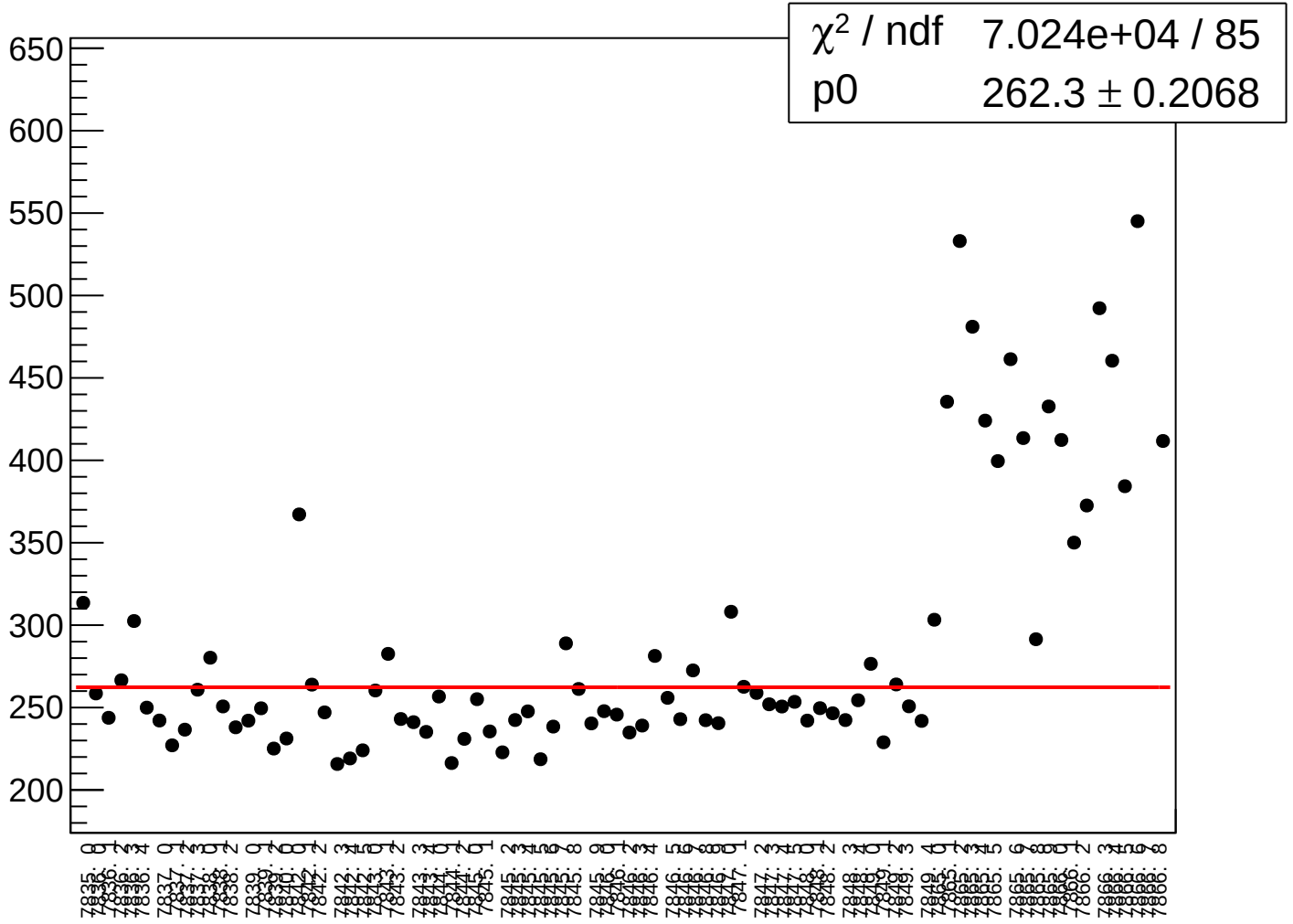

asym_sam_15_avg_mean vs run
χ² / ndf 98.98 / 85
p0 328.8 ± 314.2
15000
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 675.6
Std Dev 634.6
pull1D
Entries 86
Mean 0.005702
Std Dev 1.073

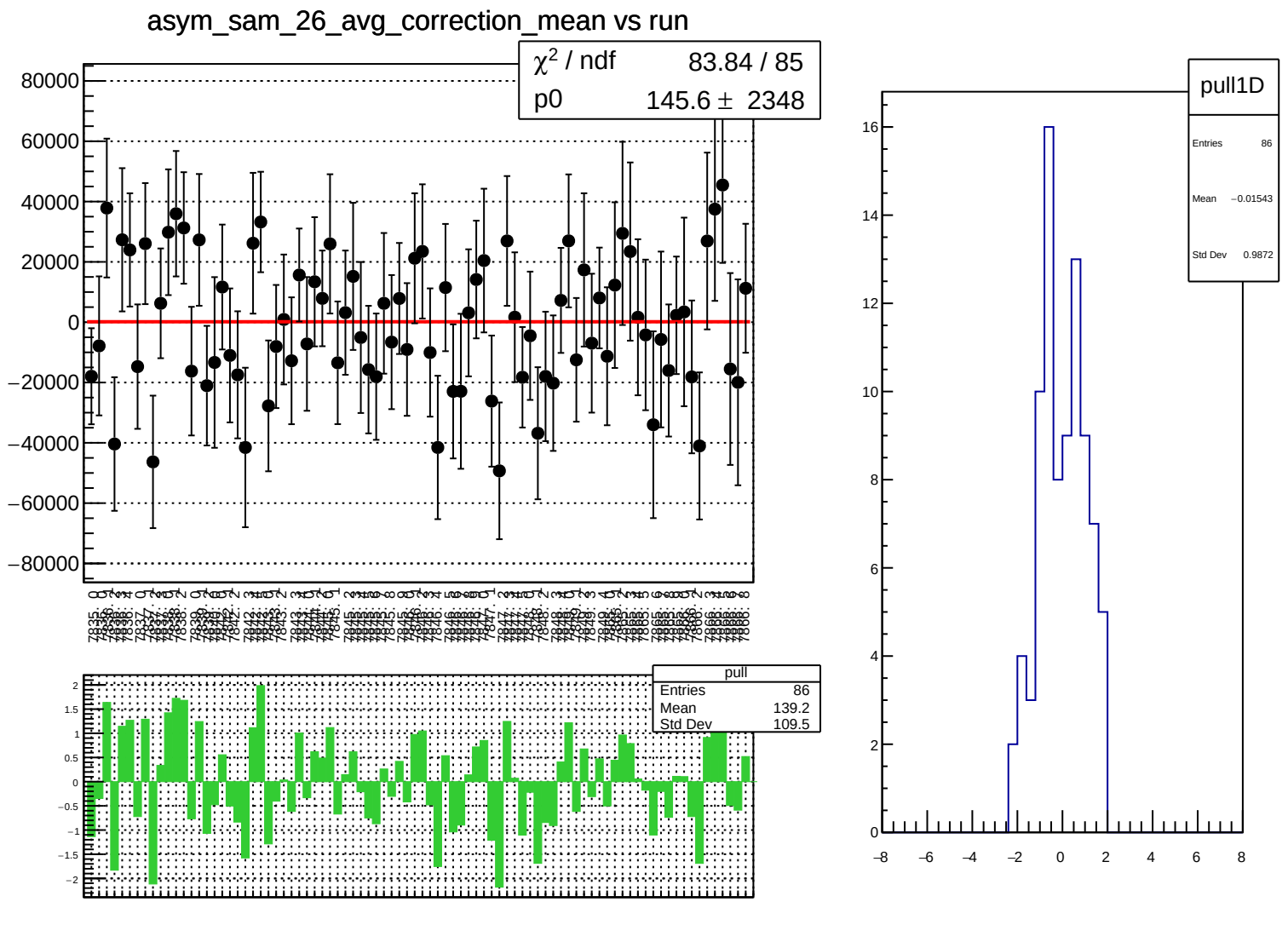
asym_sam_15_avg_rms vs run



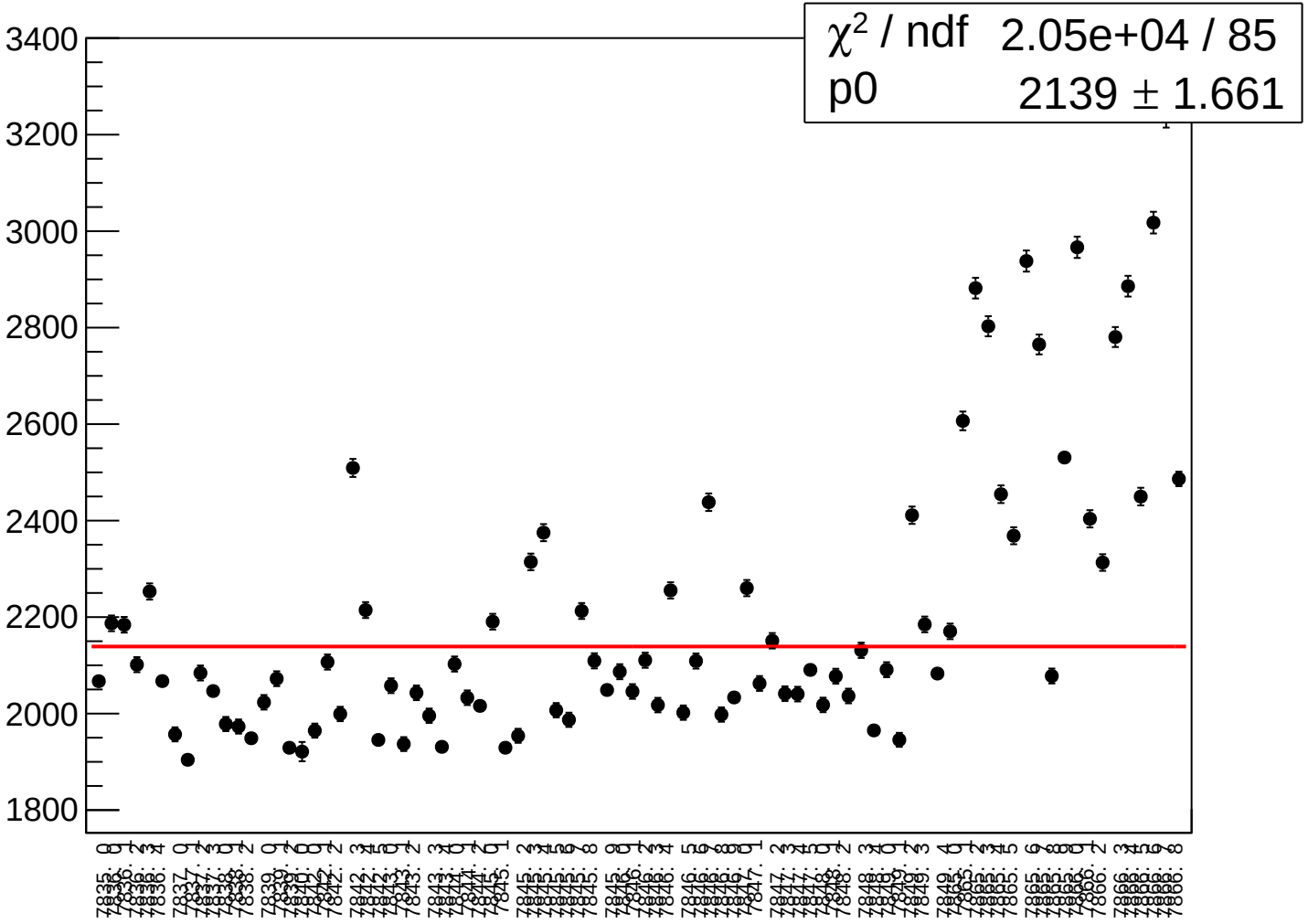

dit_asym_sam_26_avg_mean vs run
χ² / ndf 78.12 / 85
p0 187.5 ± 292.4
pull
Entries 86
Mean −1831
Std Dev 1870
pull1D
Entries 86
Mean −0.000668
Std Dev 0.9531

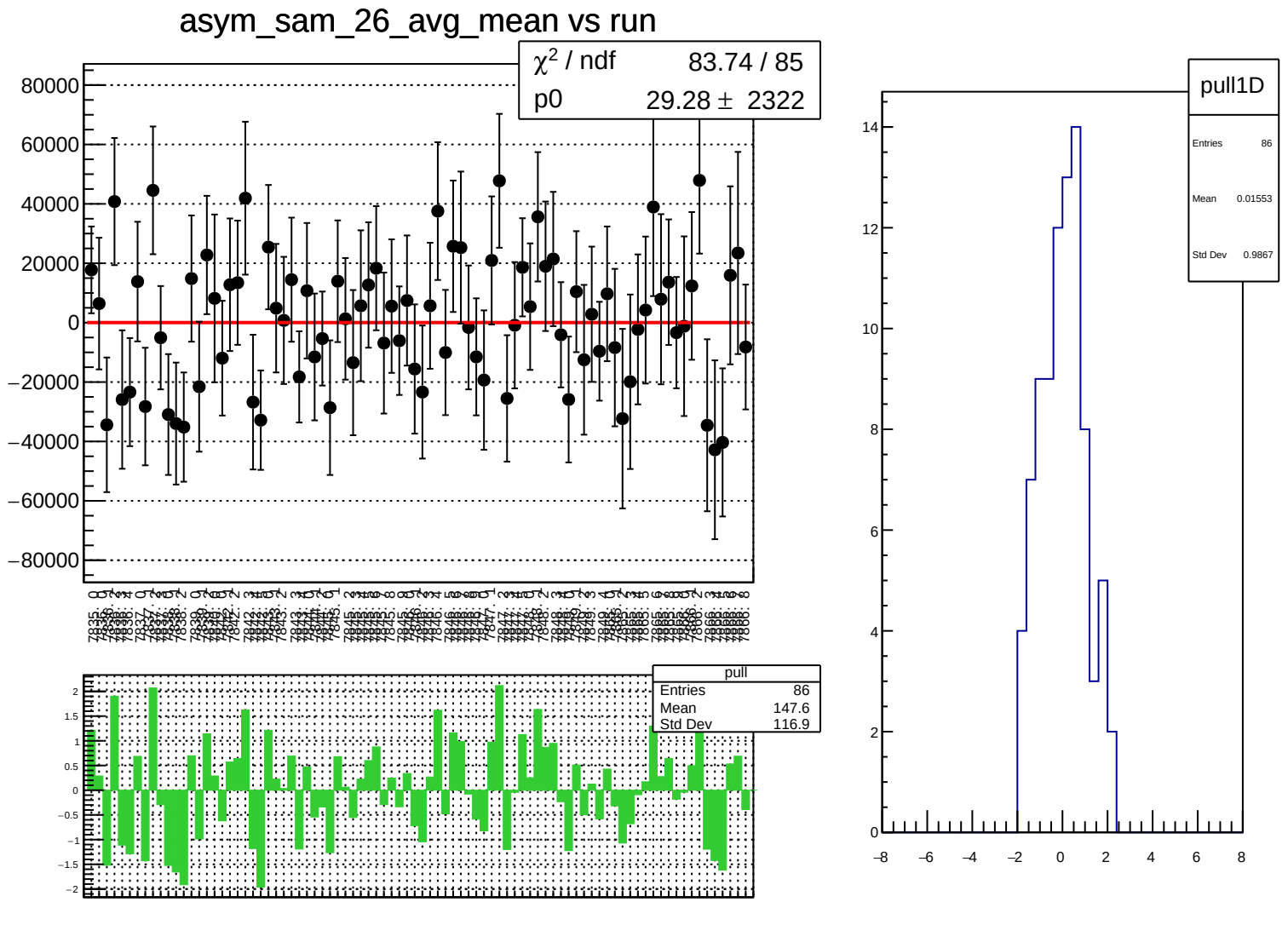
dit_asym_sam_26_avg_rms vs run



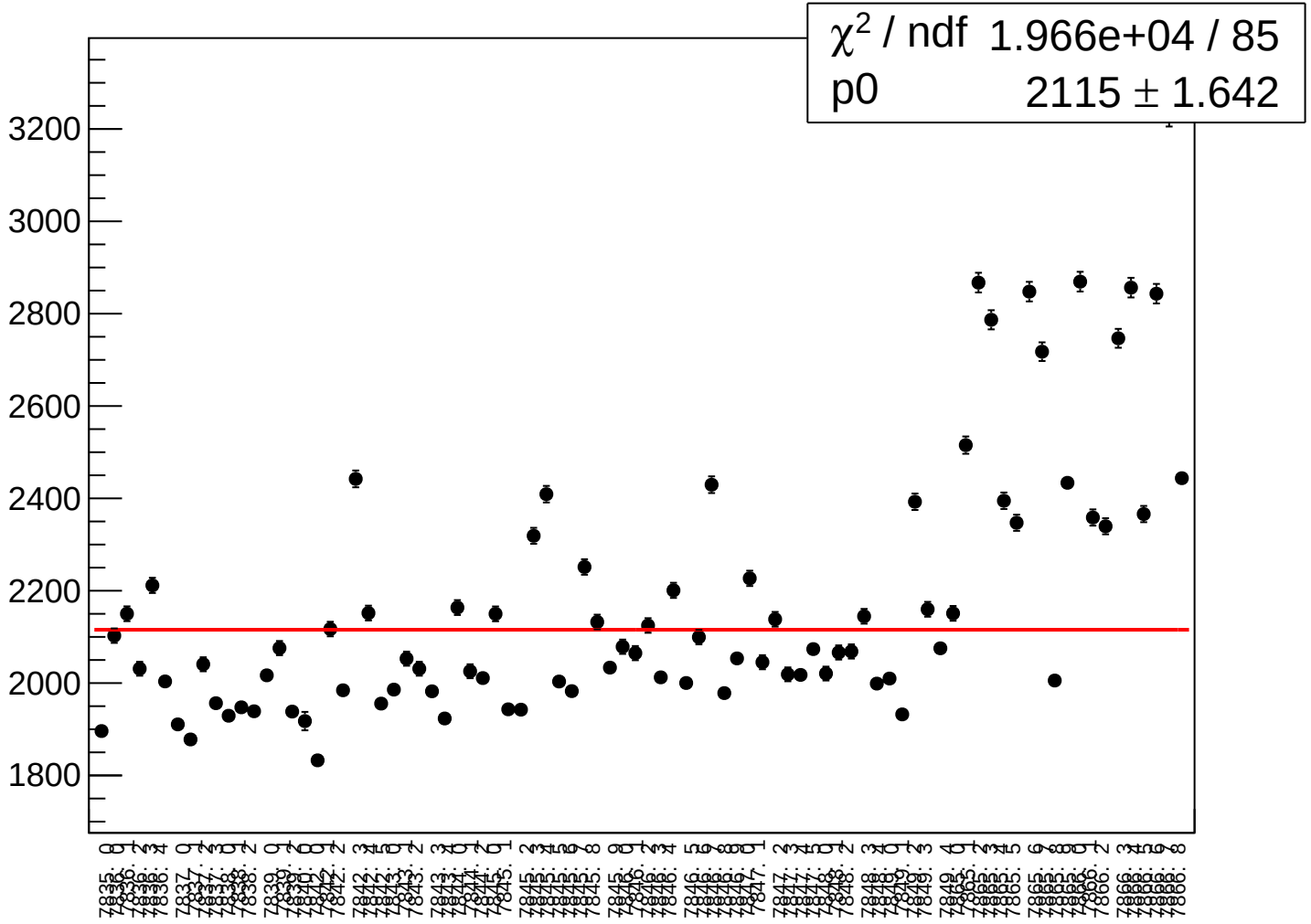

asym_sam_26_avg_correction_mean vs run
χ² / ndf 83.84 / 85
p0 145.6 ± 2348
pull
Entries 86
Mean 139.2
Std Dev 109.5
pull1D
Entries 86
Mean −0.01543
Std Dev 0.9872

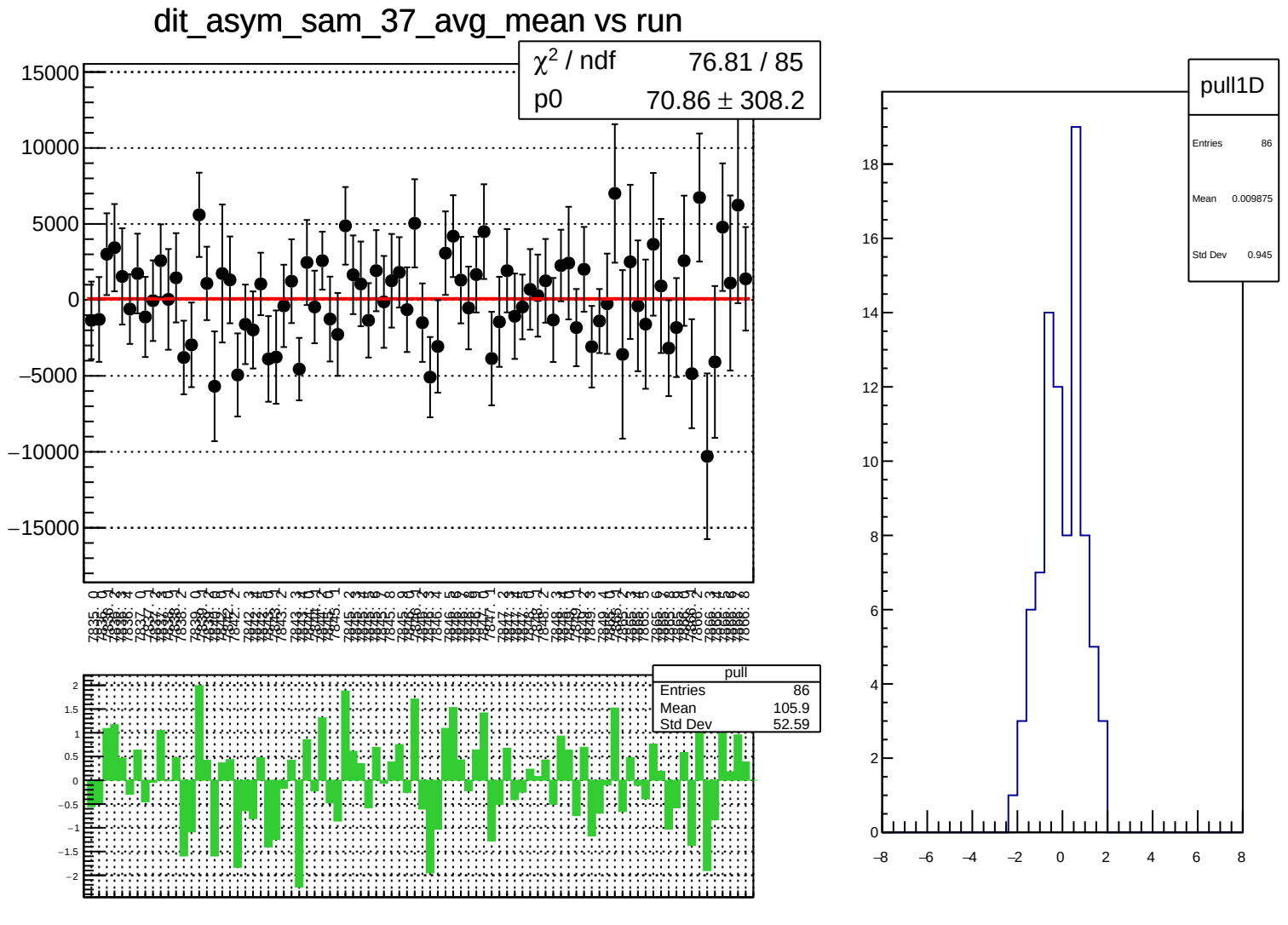
asym_sam_26_avg_correction_rms vs run



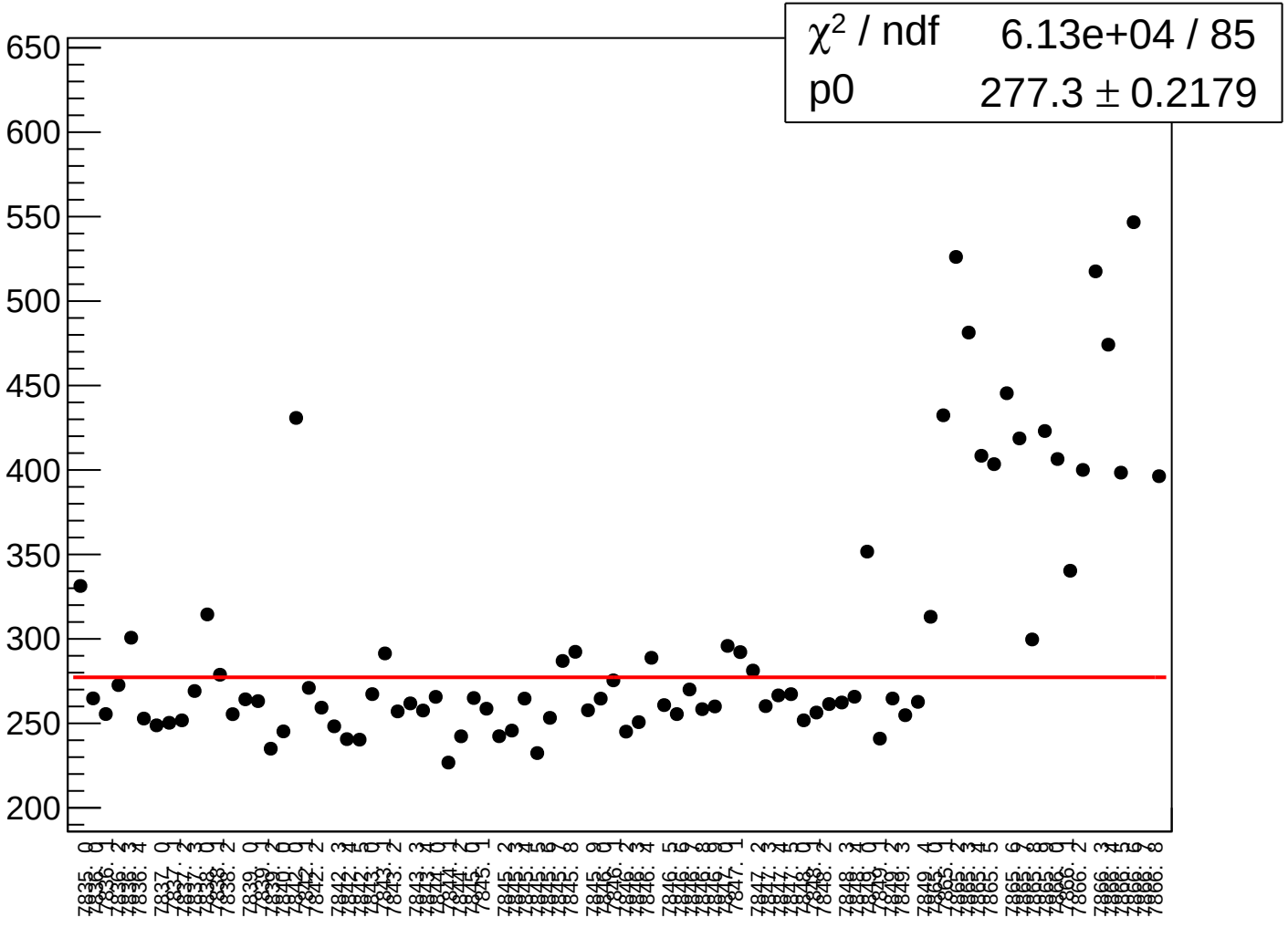

asym_sam_26_avg_mean vs run
χ² / ndf 83.74 / 85
p0 29.28 ± 2322
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 86
Mean 147.6
Std Dev 116.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 86
Mean 0.01553
Std Dev 0.9867
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

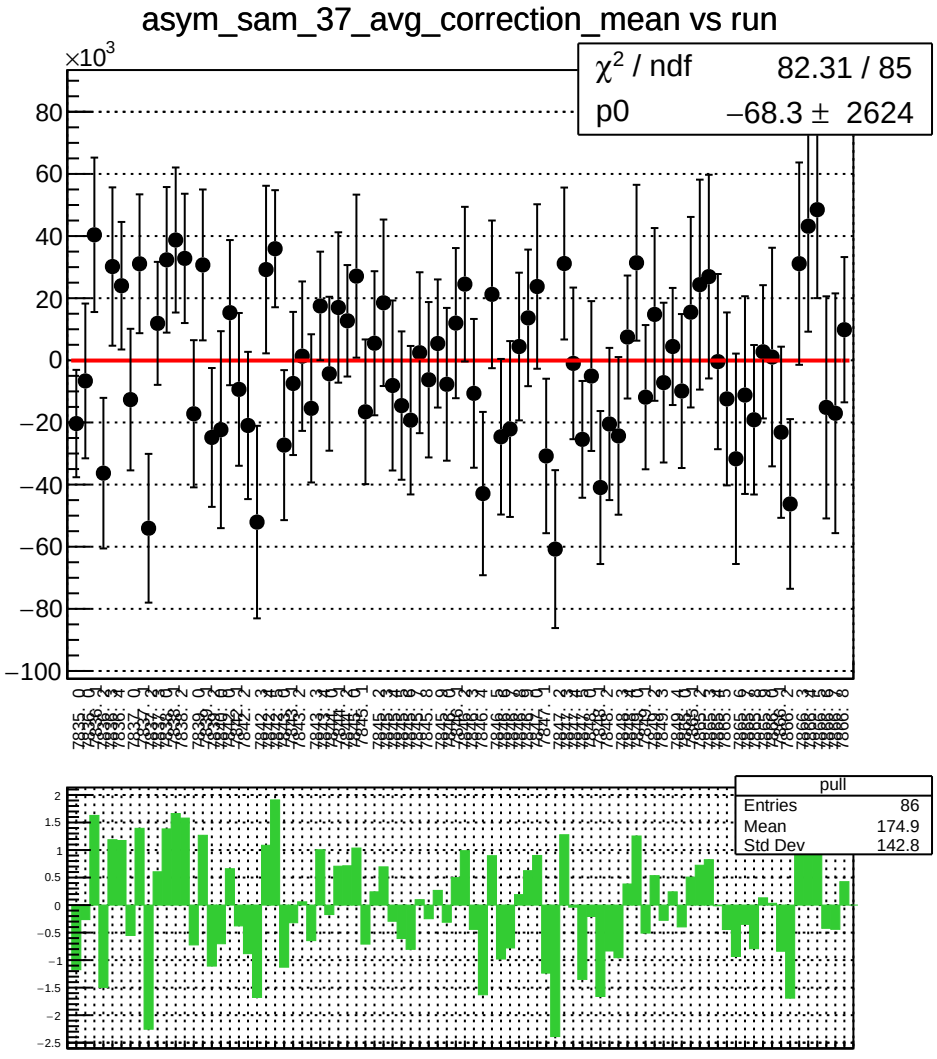
asym_sam_26_avg_rms vs run

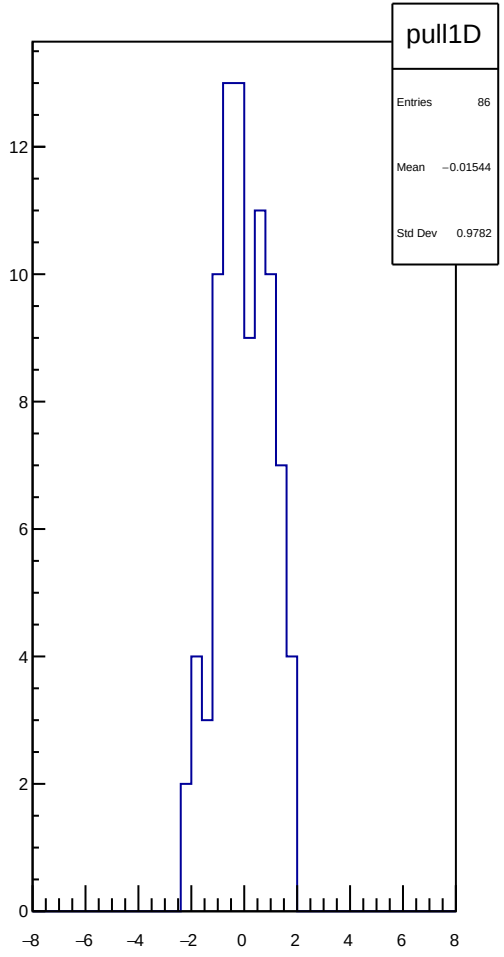



dit_asym_sam_37_avg_mean vs run
χ² / ndf 76.81 / 85
p0 70.86 ± 308.2
pull
Entries 86
Mean 105.9
Std Dev 52.59
pull1D
Entries 86
Mean 0.009875
Std Dev 0.945

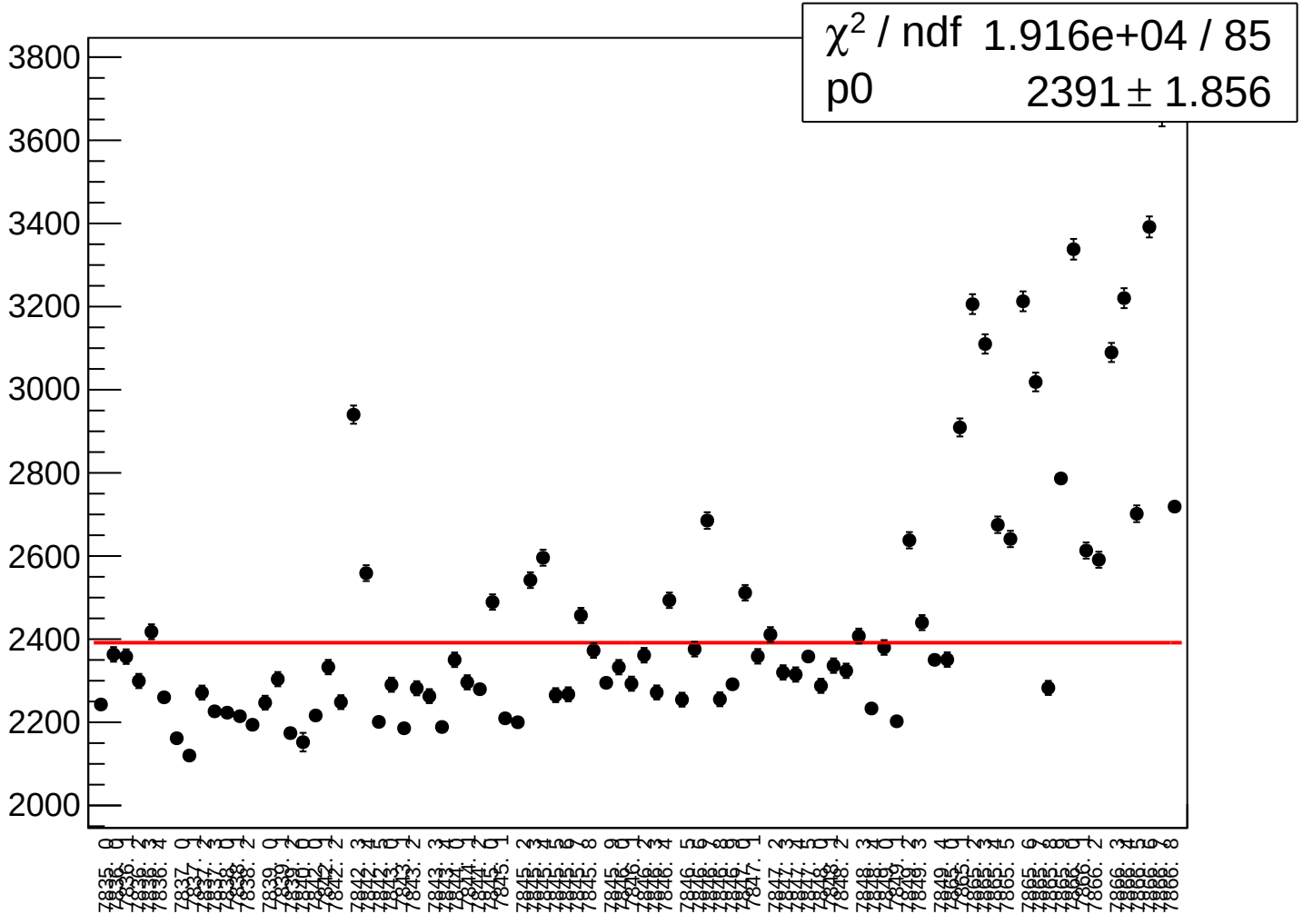
dit_asym_sam_37_avg_rms vs run

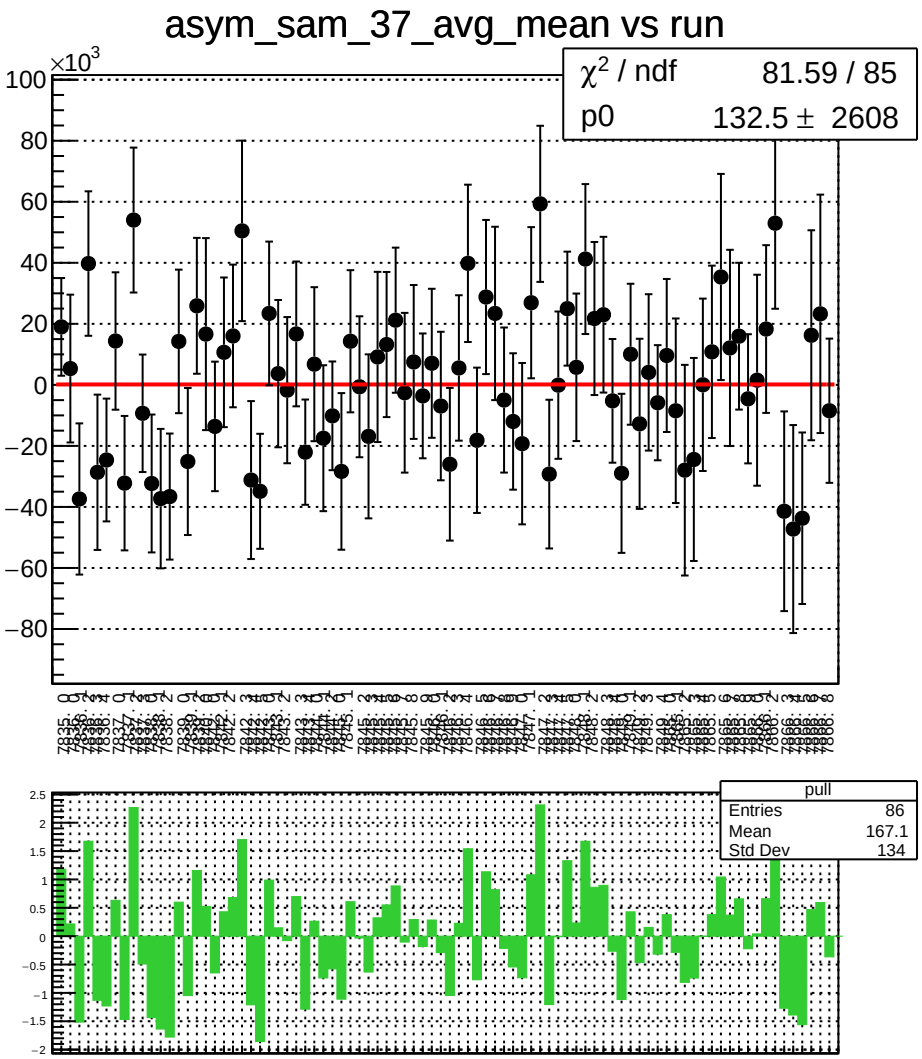


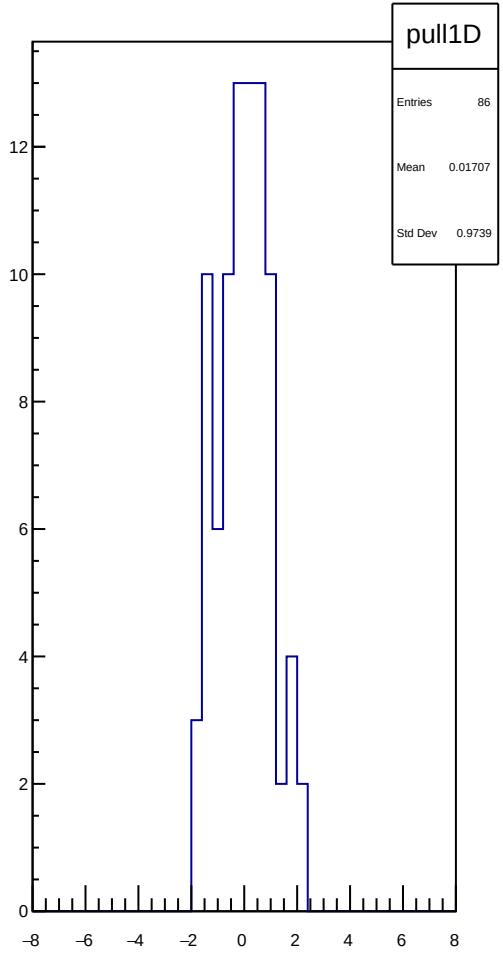

asym_sam_37_avg_correction_mean vs run
×10^3
χ² / ndf 82.31 / 85
p0 −68.3 ± 2624
pull
Entries 86
Mean 174.9
Std Dev 142.8


pull1D
Entries 86
Mean −0.01544
Std Dev 0.9782

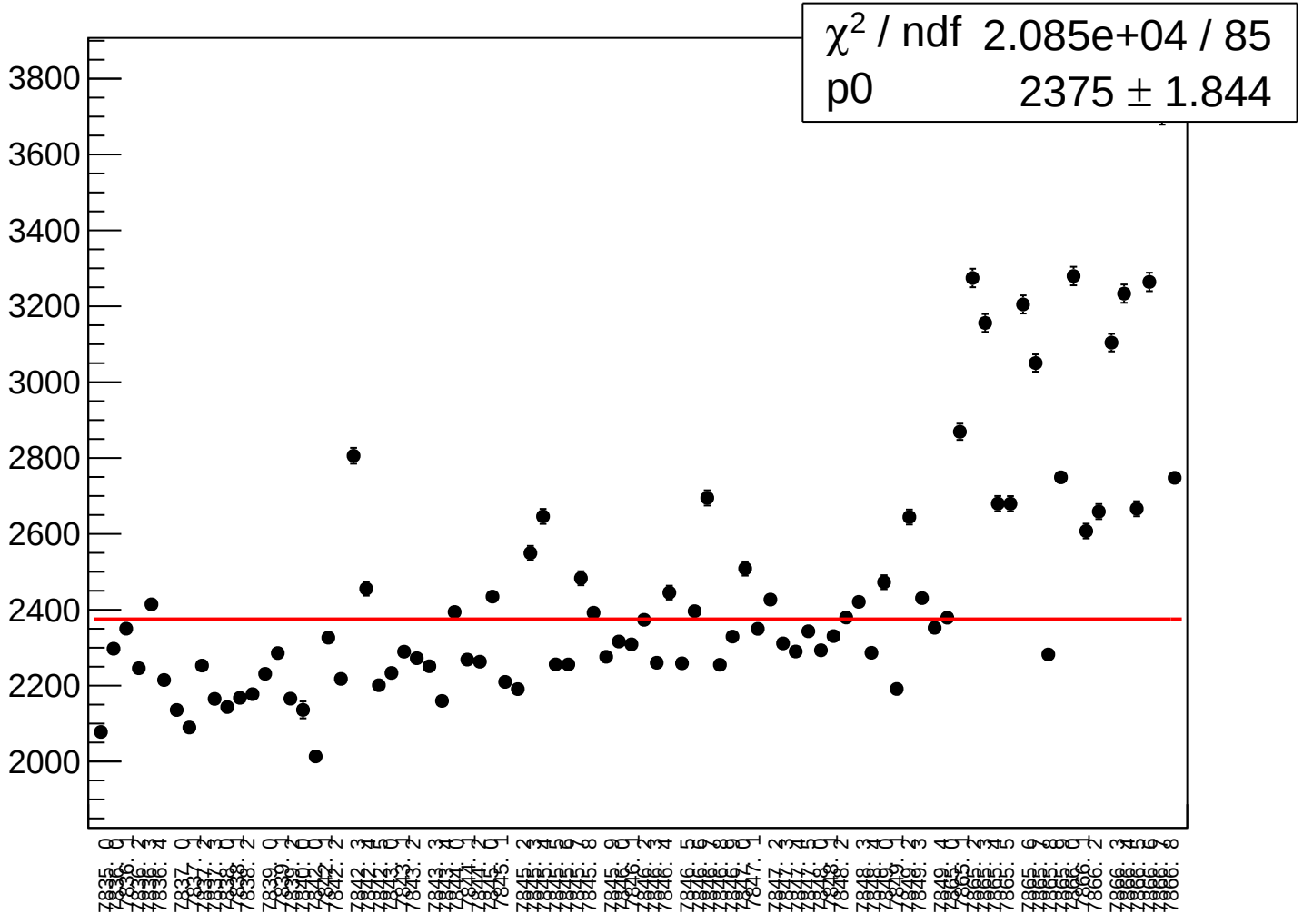
asym_sam_37_avg_correction_rms vs run

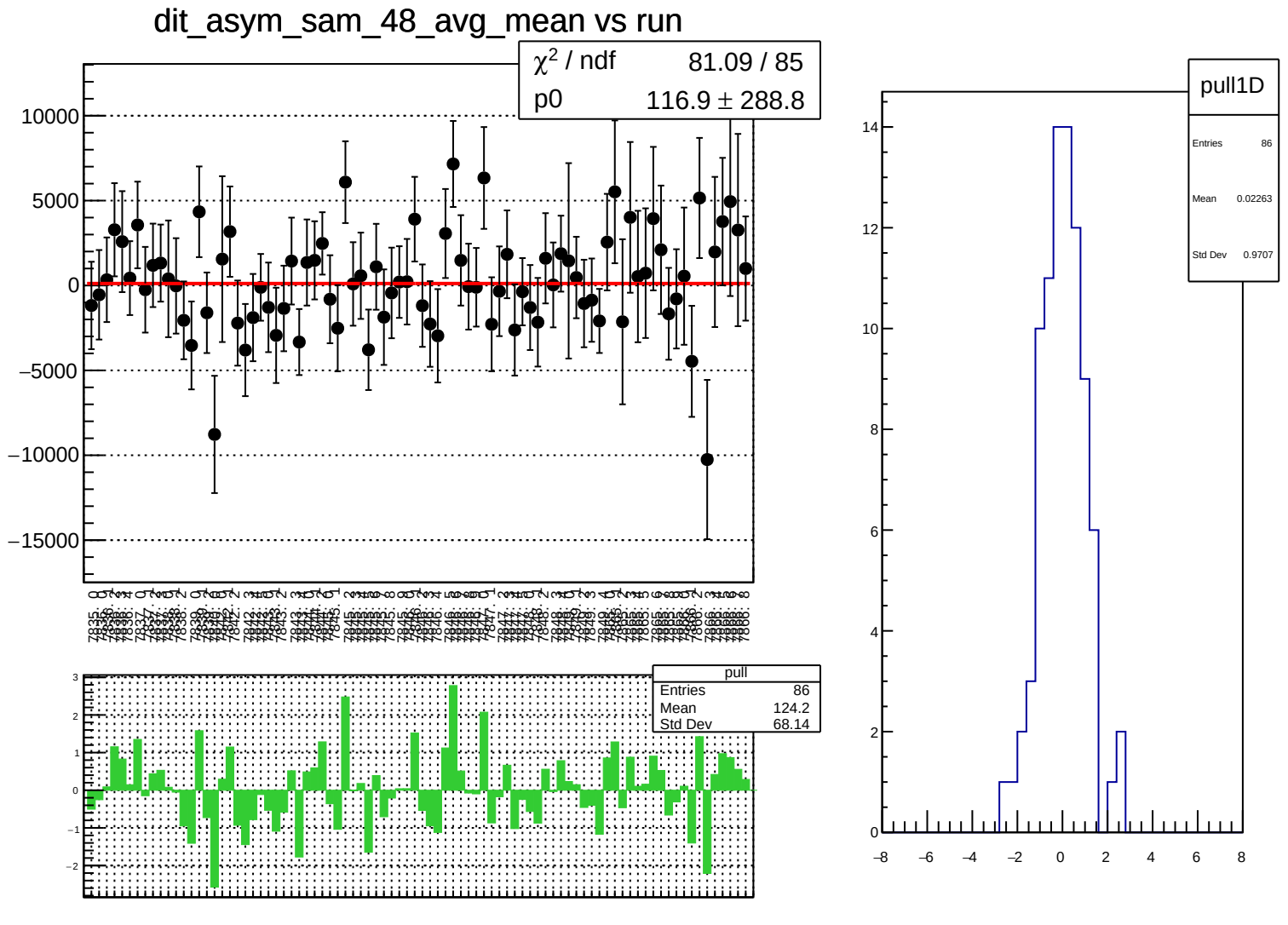



asym_sam_37_avg_mean vs run
×10^3
χ^2 / ndf 81.59 / 85
p0 132.5 ± 2608
pull
Entries 86
Mean 167.1
Std Dev 134

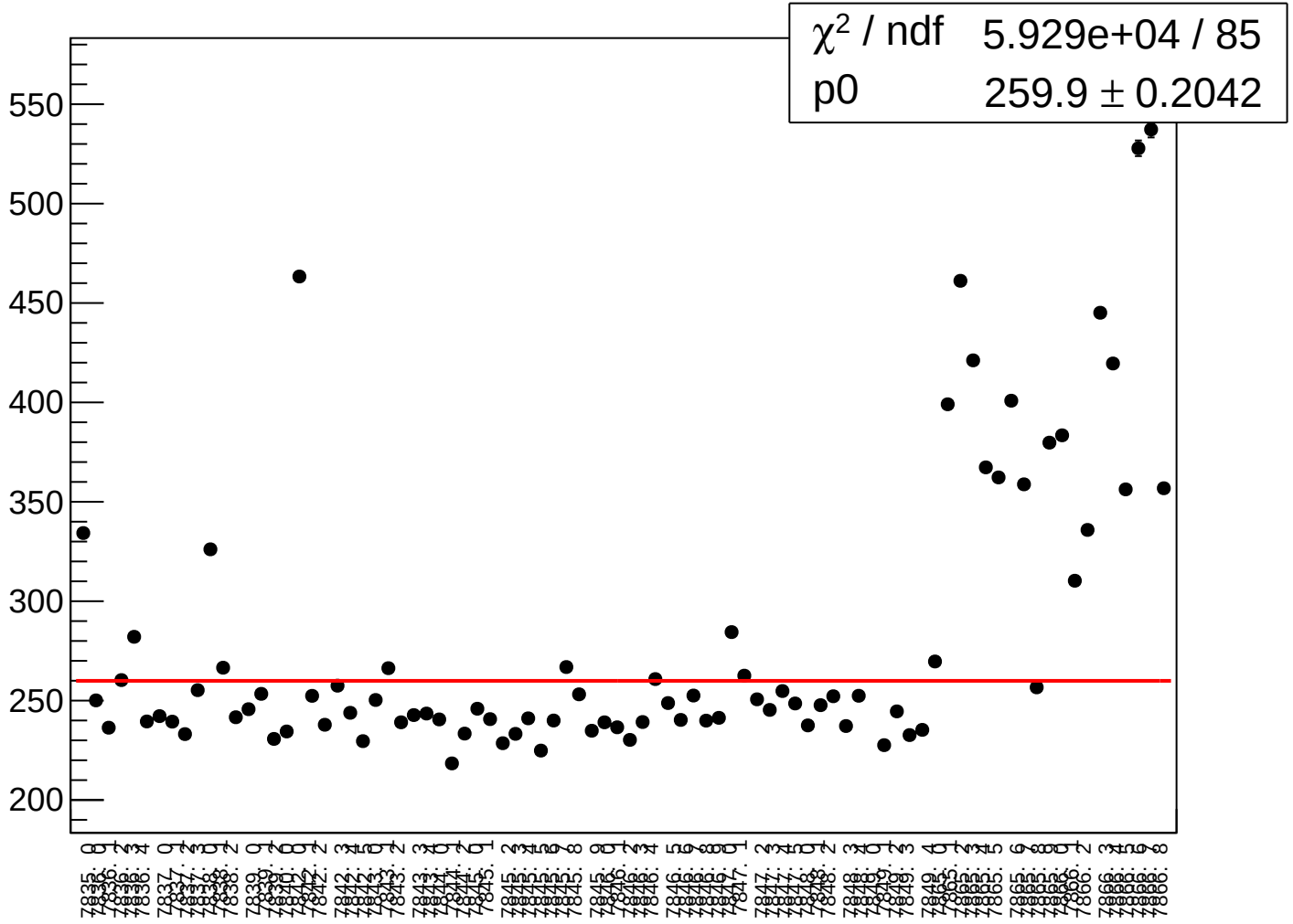

pull1D
Entries 86
Mean 0.01707
Std Dev 0.9739

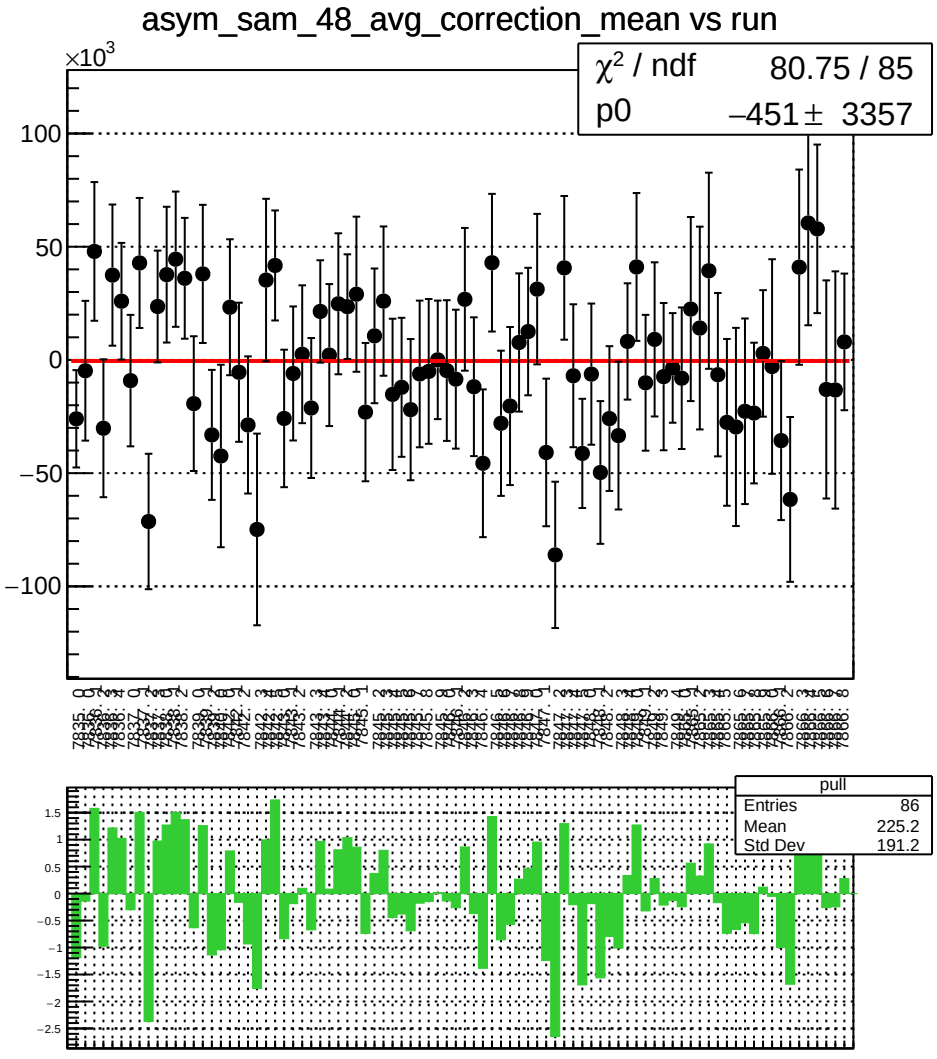
asym_sam_37_avg_rms vs run

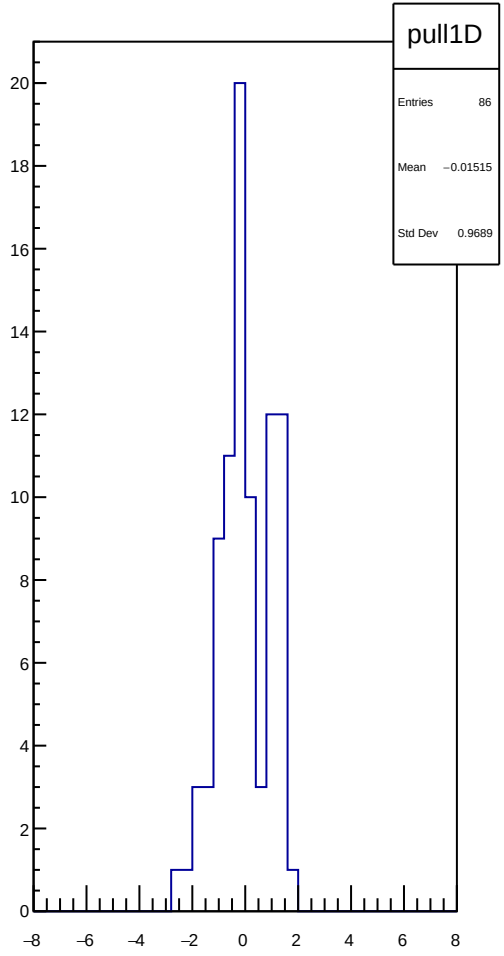



dit_asym_sam_48_avg_mean vs run
χ² / ndf 81.09 / 85
p0 116.9 ± 288.8
pull
Entries 86
Mean 124.2
Std Dev 68.14
pull1D
Entries 86
Mean 0.02263
Std Dev 0.9707

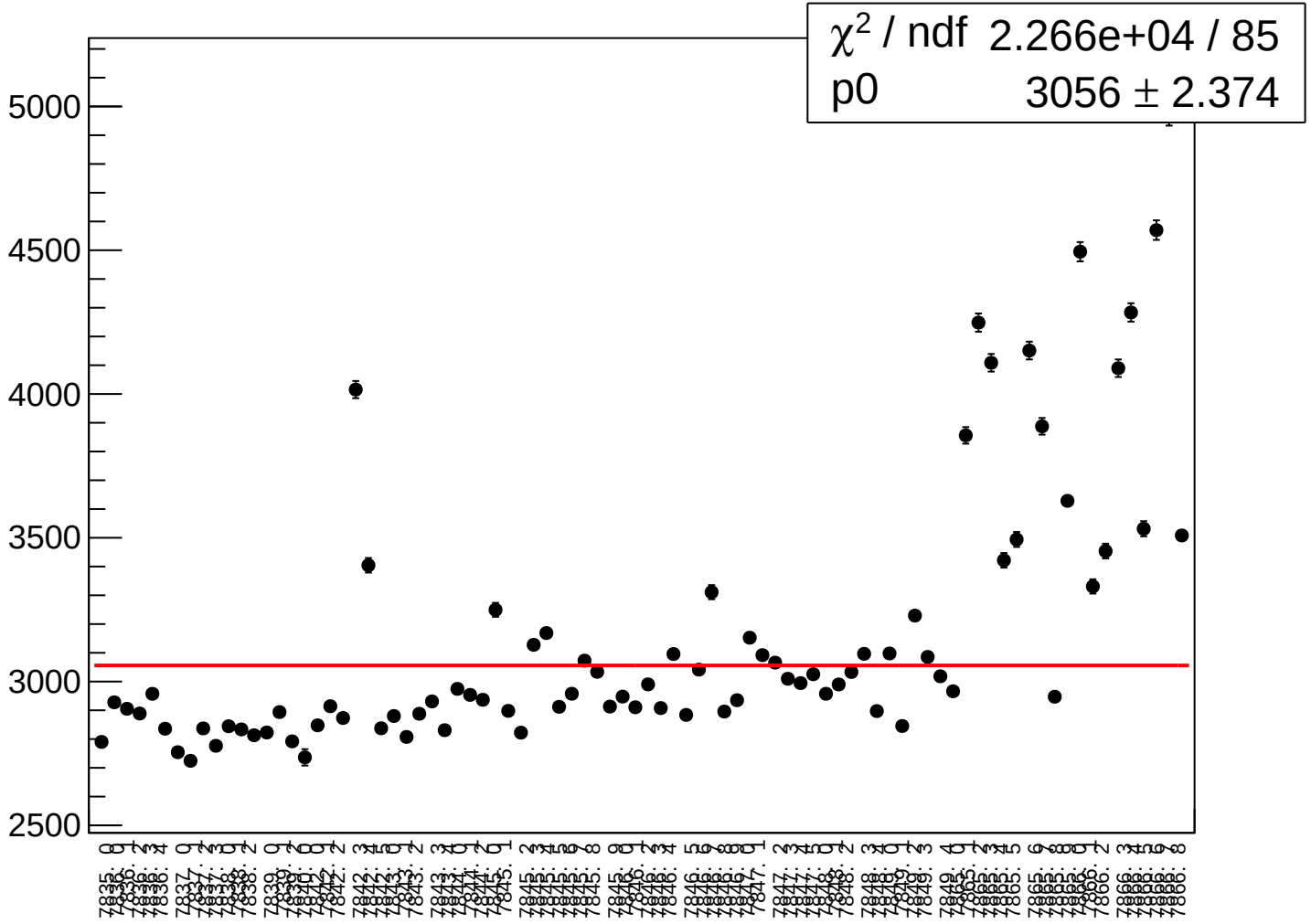
dit_asym_sam_48_avg_rms vs run

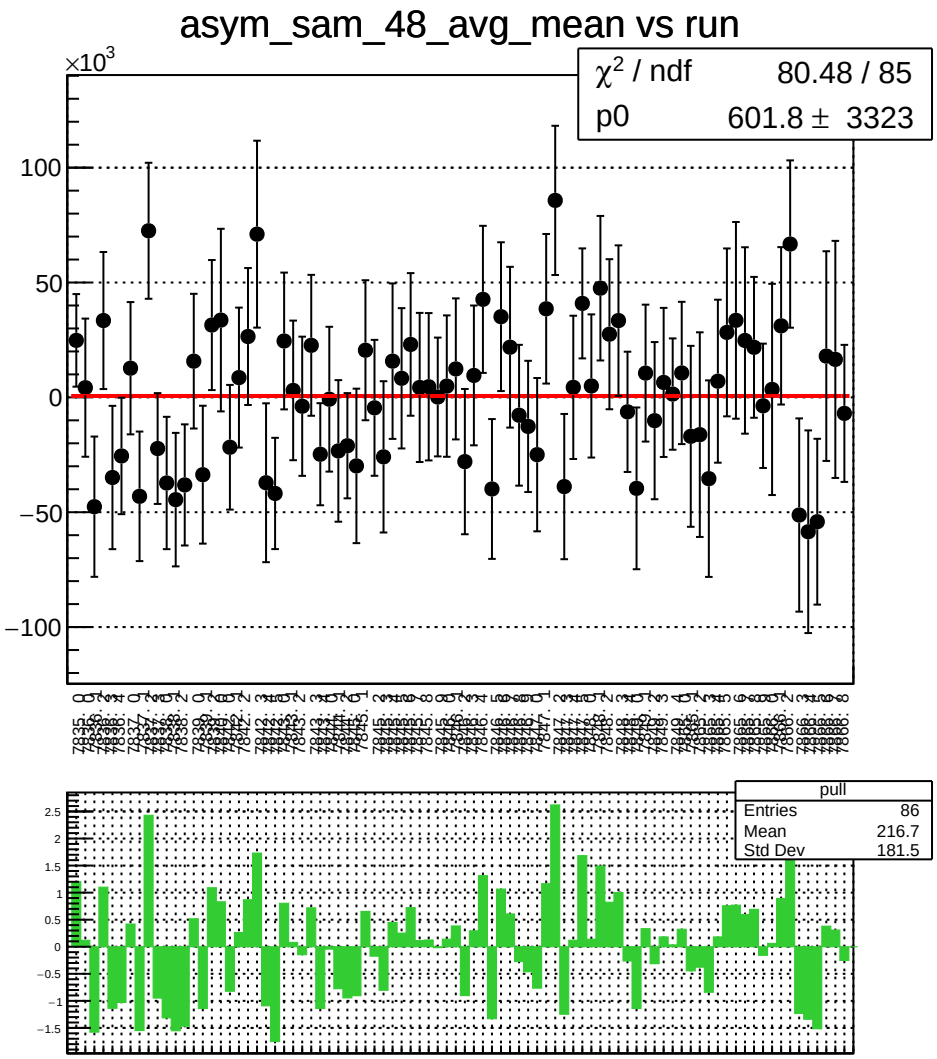


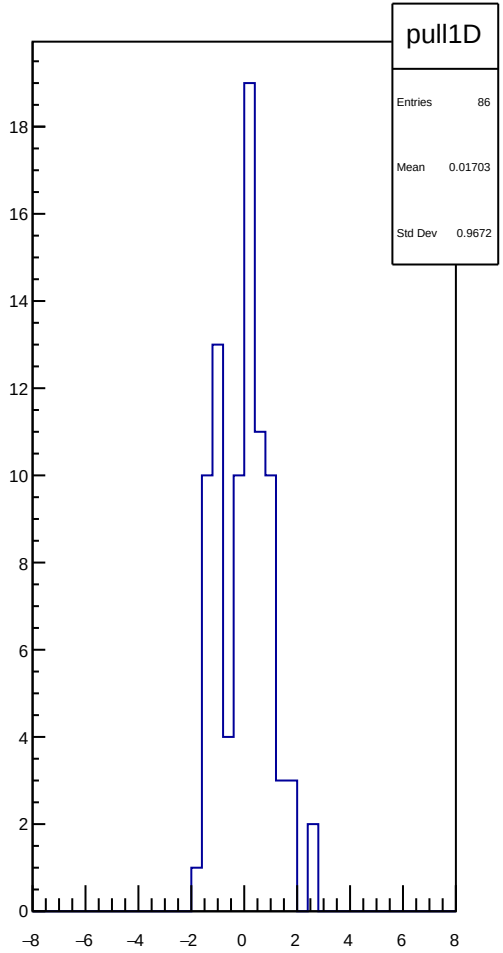

asym_sam_48_avg_correction_mean vs run
×10^3
χ² / ndf 80.75 / 85
p0 −451 ± 3357
100
50
0
−50
−100
pull
Entries 86
Mean 225.2
Std Dev 191.2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 86
Mean −0.01515
Std Dev 0.9689
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

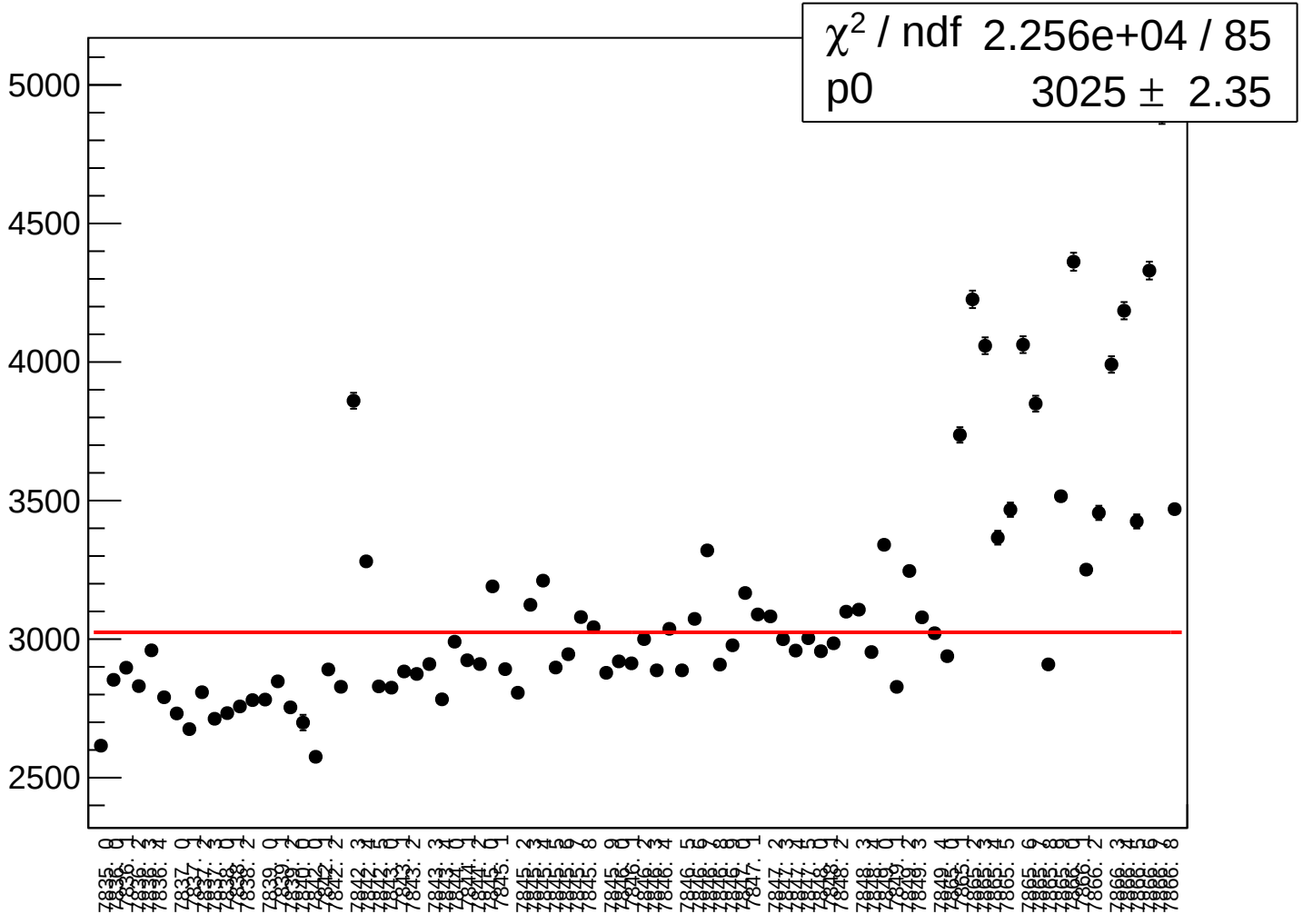
asym_sam_48_avg_correction_rms vs run

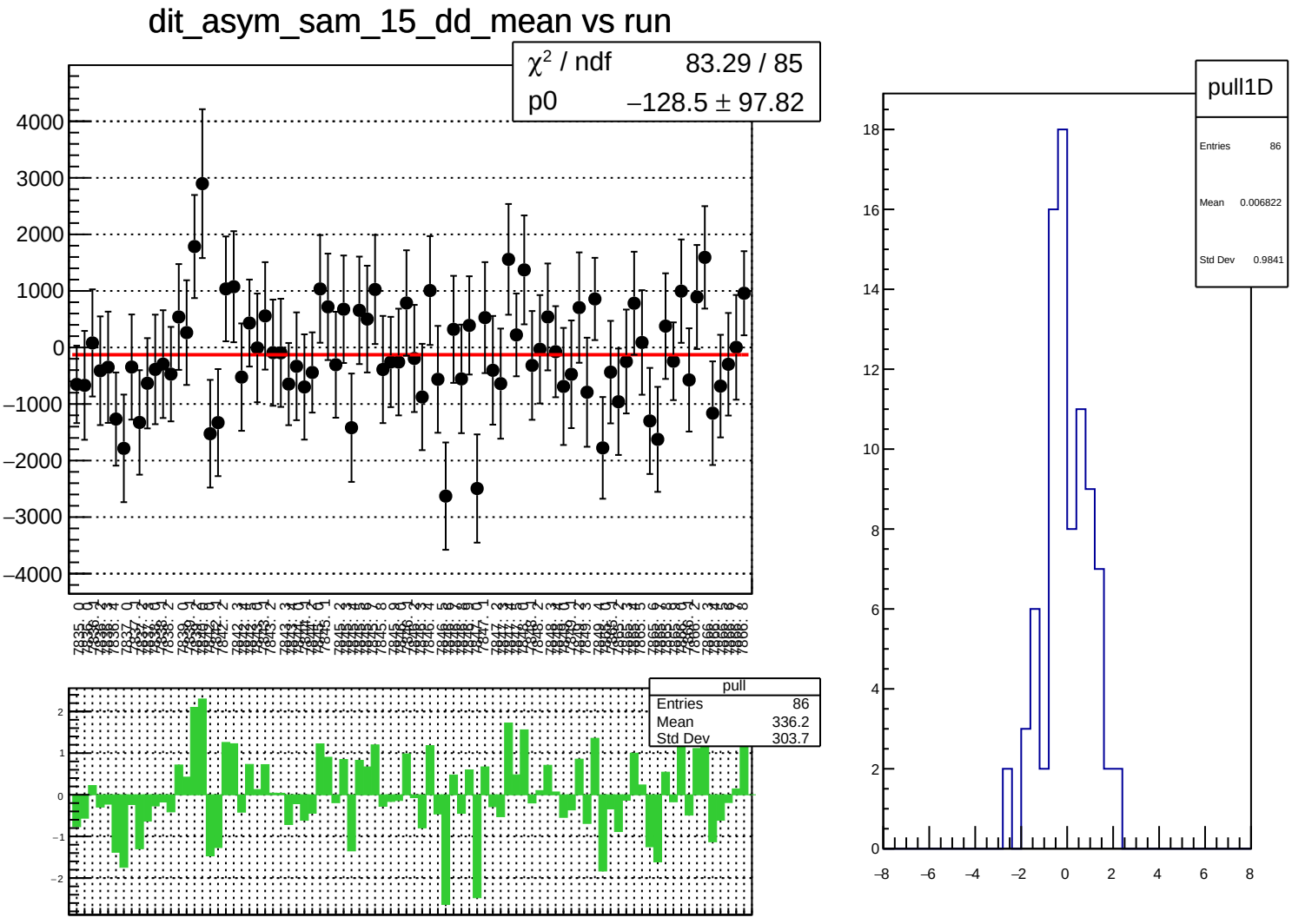



asym_sam_48_avg_mean vs run
×10^3
χ² / ndf 80.48 / 85
p0 601.8 ± 3323
pull
Entries 86
Mean 216.7
Std Dev 181.5

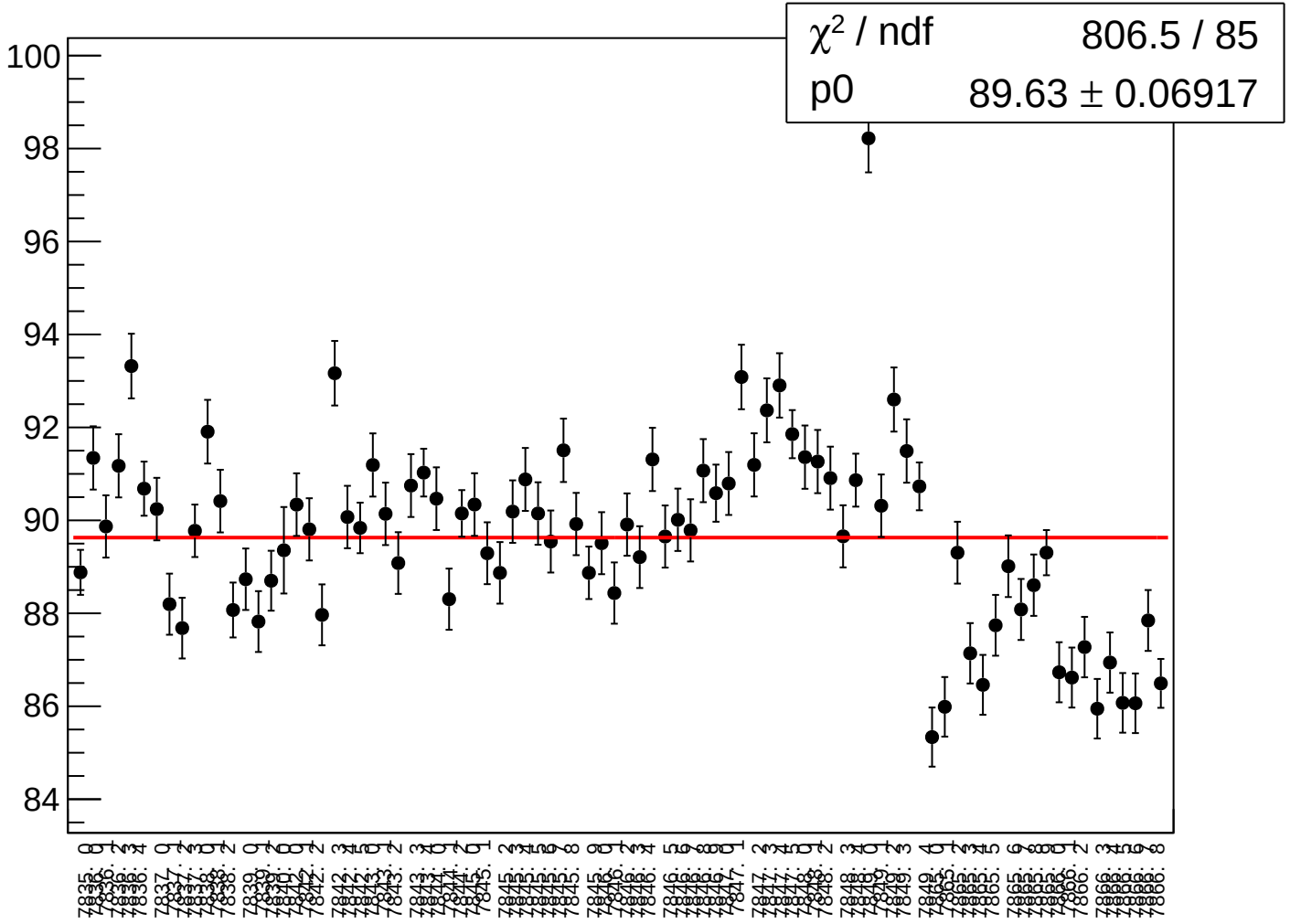

pull1D
Entries 86
Mean 0.01703
Std Dev 0.9672

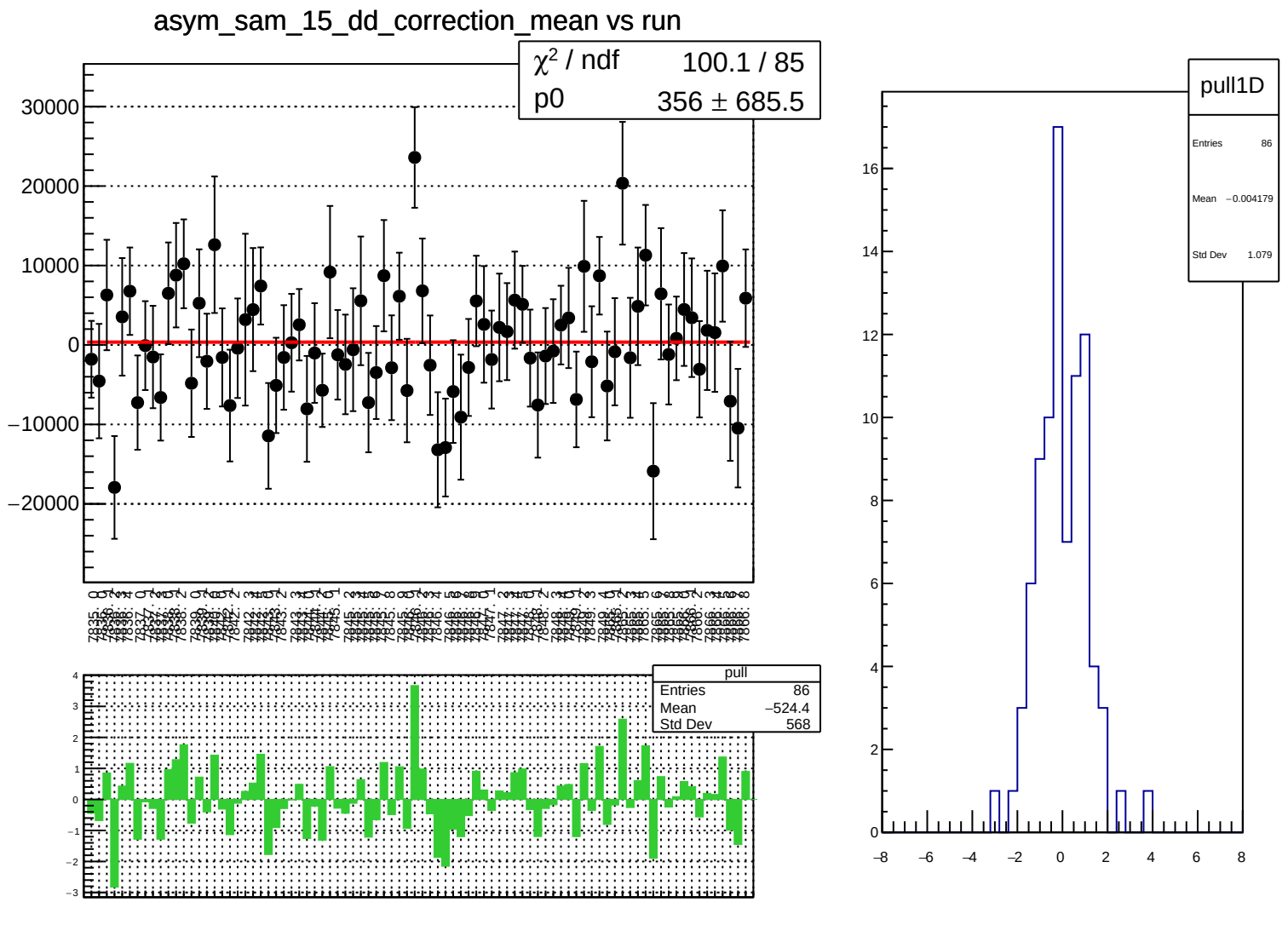
asym_sam_48_avg_rms vs run



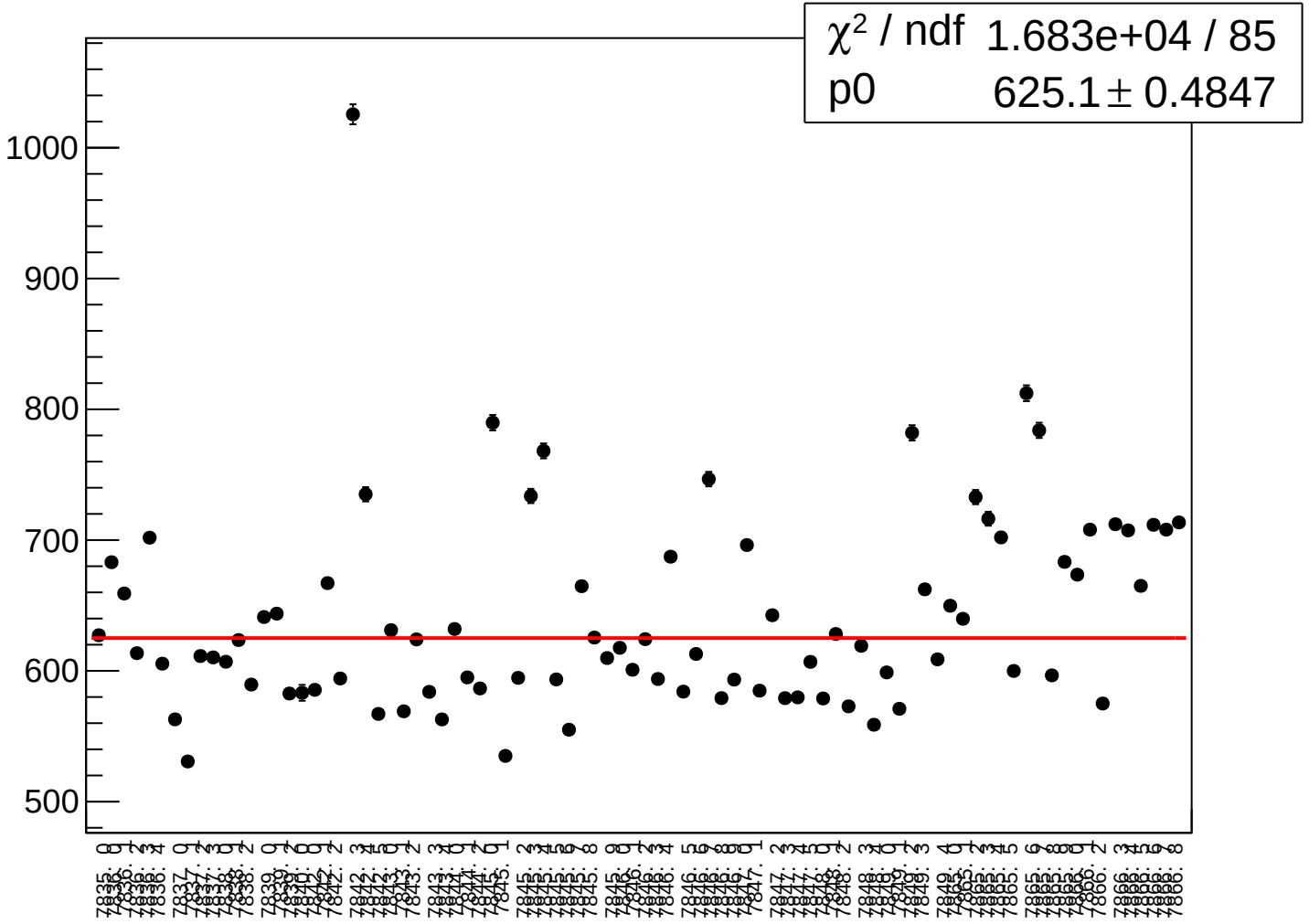

dit_asym_sam_15_dd_mean vs run
χ² / ndf 83.29 / 85
p0 −128.5 ± 97.82
pull
Entries 86
Mean 336.2
Std Dev 303.7
pull1D
Entries 86
Mean 0.006822
Std Dev 0.9841

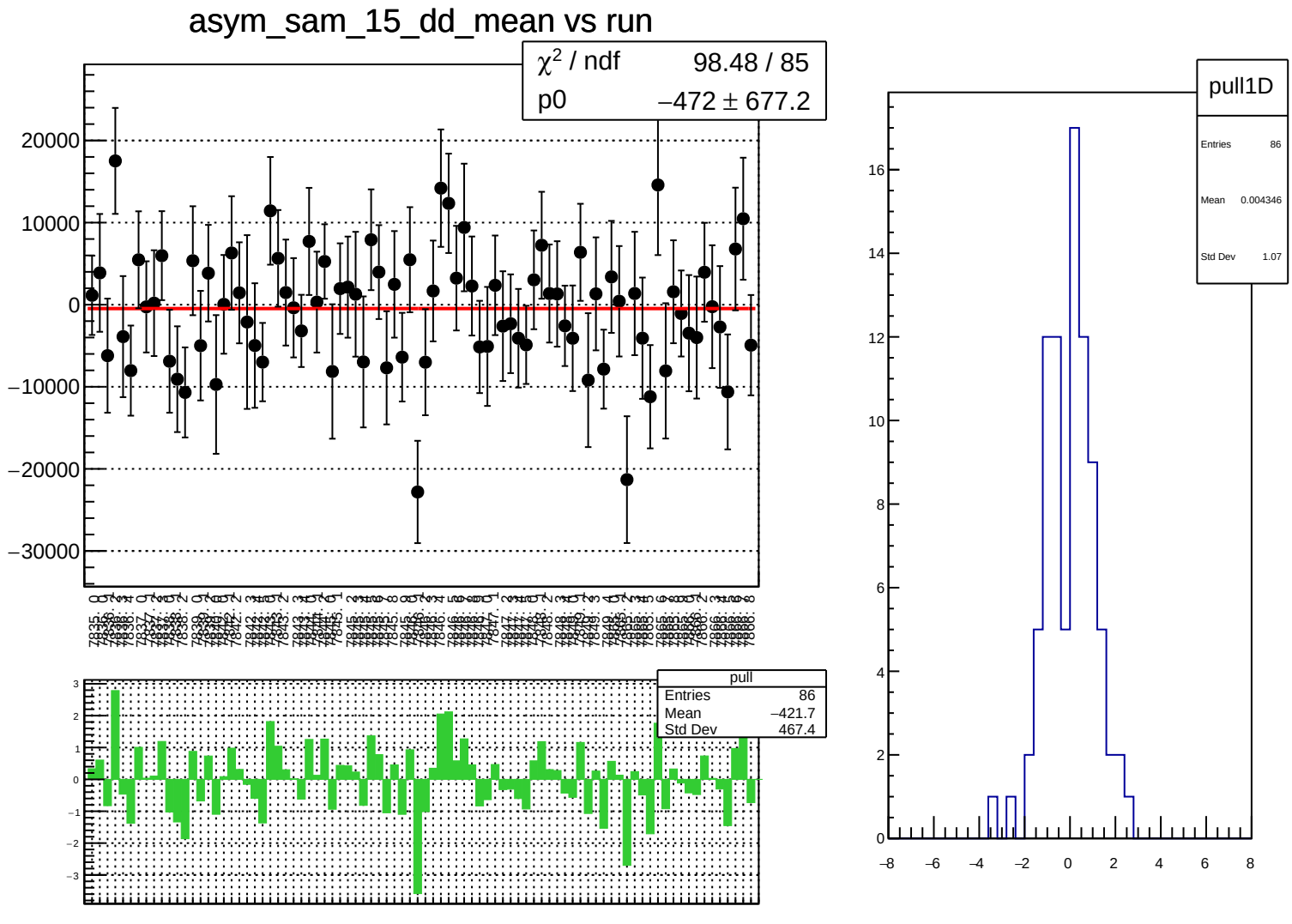
dit_asym_sam_15_dd_rms vs run



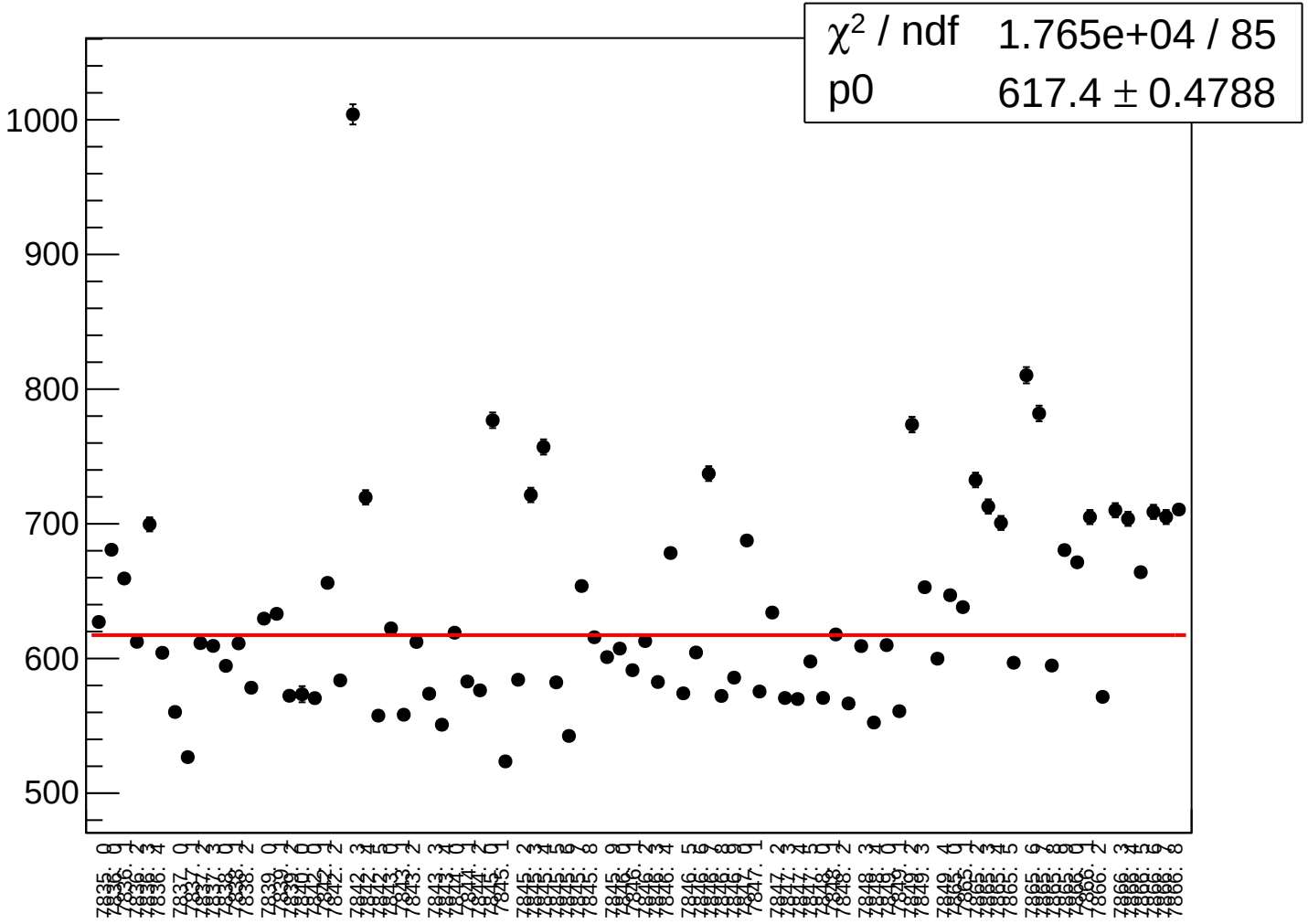

asym_sam_15_dd_correction_mean vs run
χ² / ndf 100.1 / 85
p0 356 ± 685.5
30000
20000
10000
0
−10000
−20000
pull
Entries 86
Mean −524.4
Std Dev 568
4
3
2
1
0
−1
−2
−3
pull1D
Entries 86
Mean −0.004179
Std Dev 1.079
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

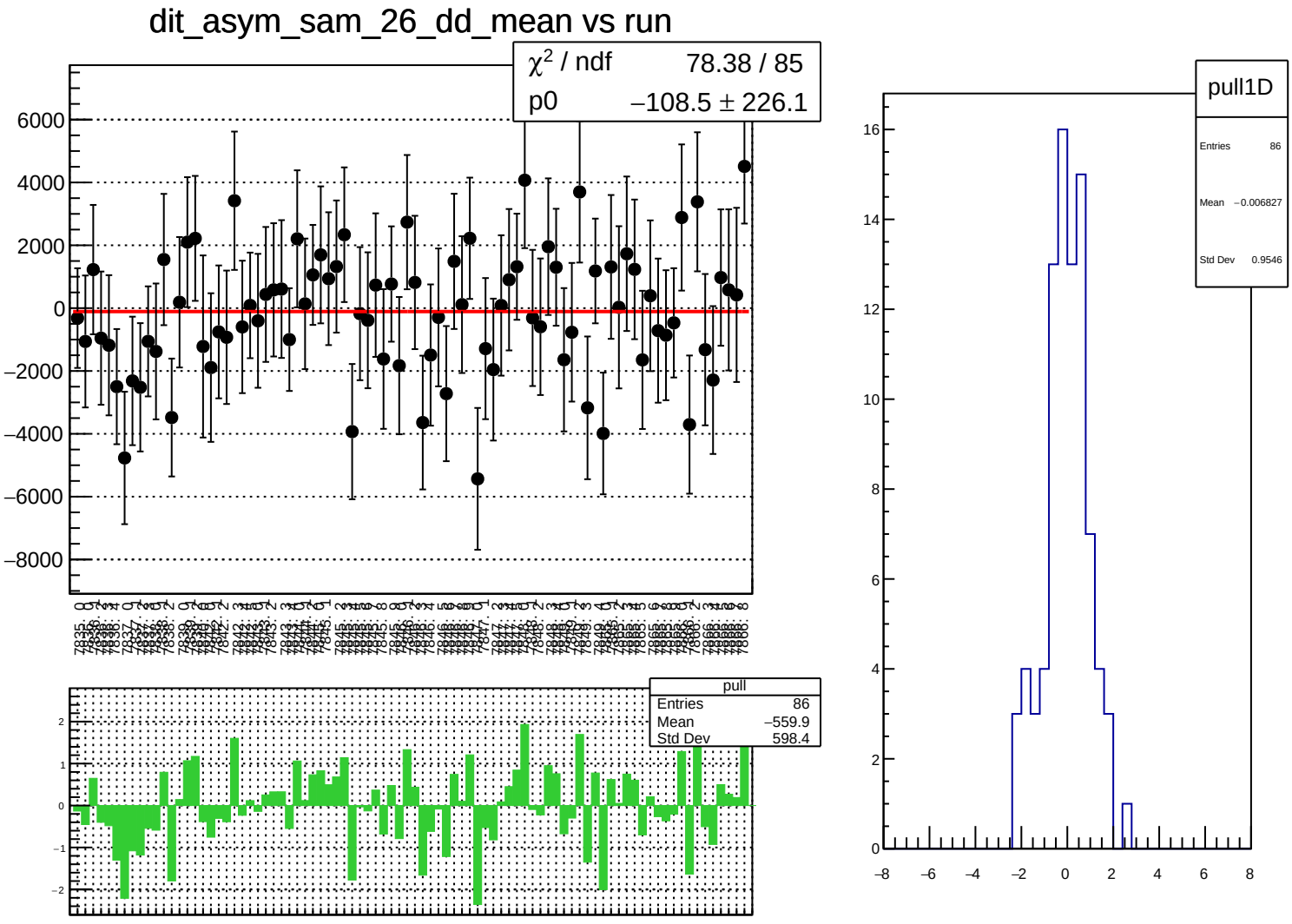
asym_sam_15_dd_correction_rms vs run



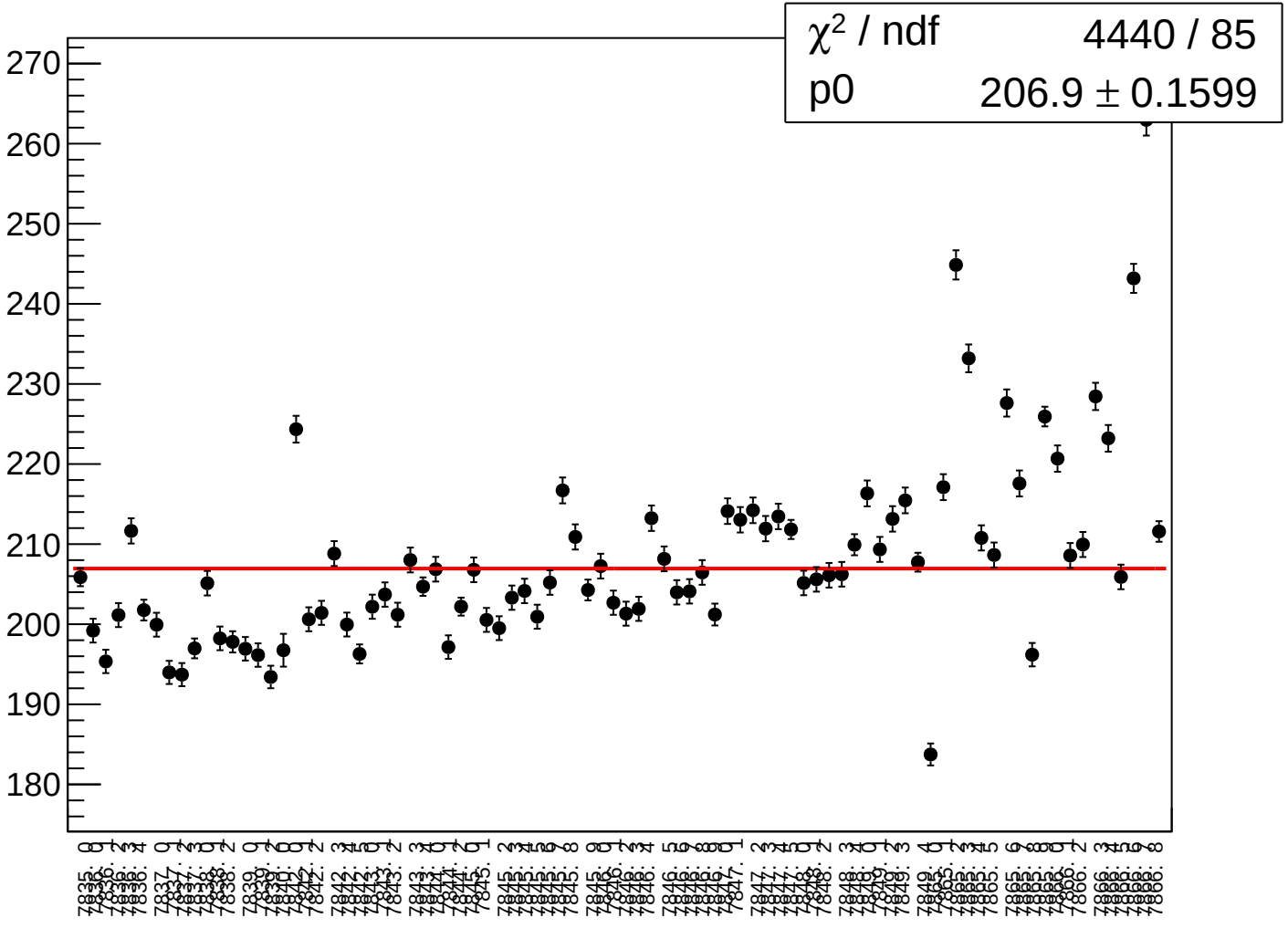

asym_sam_15_dd_mean vs run
χ² / ndf 98.48 / 85
p0 −472 ± 677.2
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean −421.7
Std Dev 467.4
3
2
1
0
−1
−2
−3
pull1D
Entries 86
Mean 0.004346
Std Dev 1.07
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

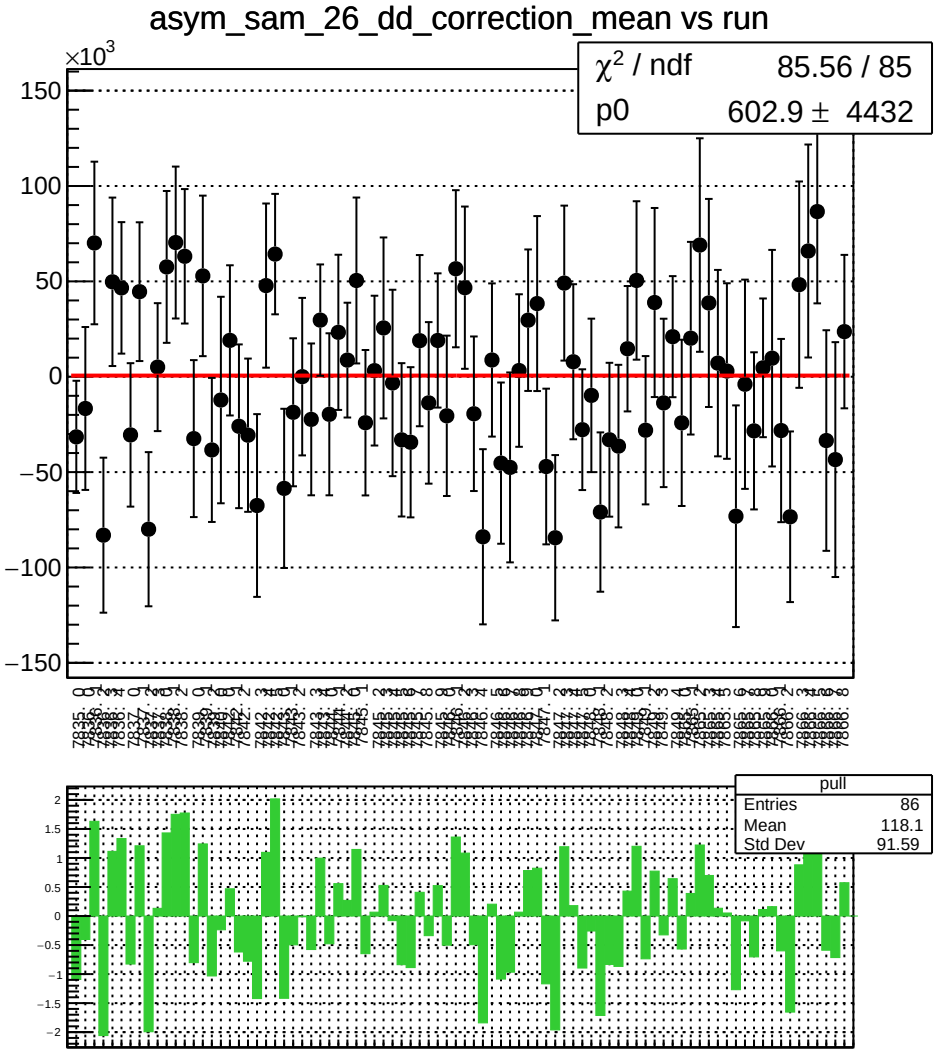
asym_sam_15_dd_rms vs run

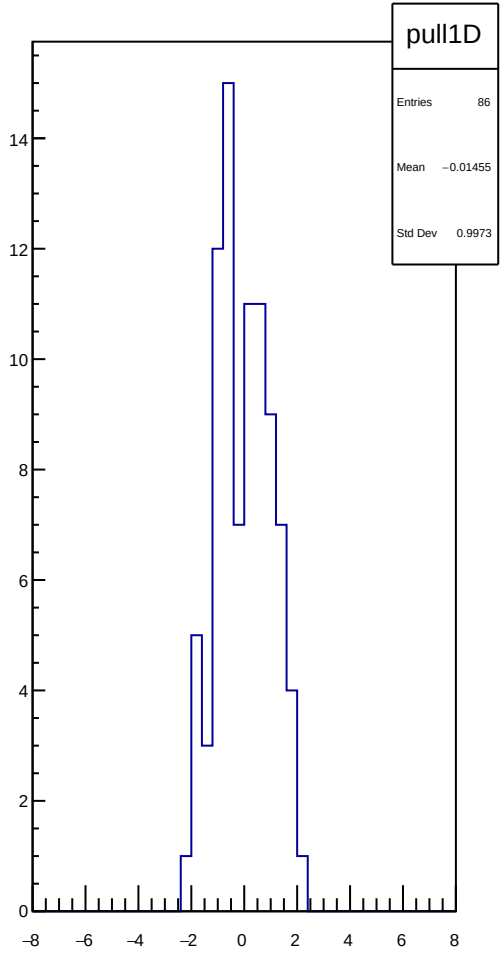



dit_asym_sam_26_dd_mean vs run
χ² / ndf 78.38 / 85
p0 −108.5 ± 226.1
pull
Entries 86
Mean −559.9
Std Dev 598.4
pull1D
Entries 86
Mean −0.006827
Std Dev 0.9546

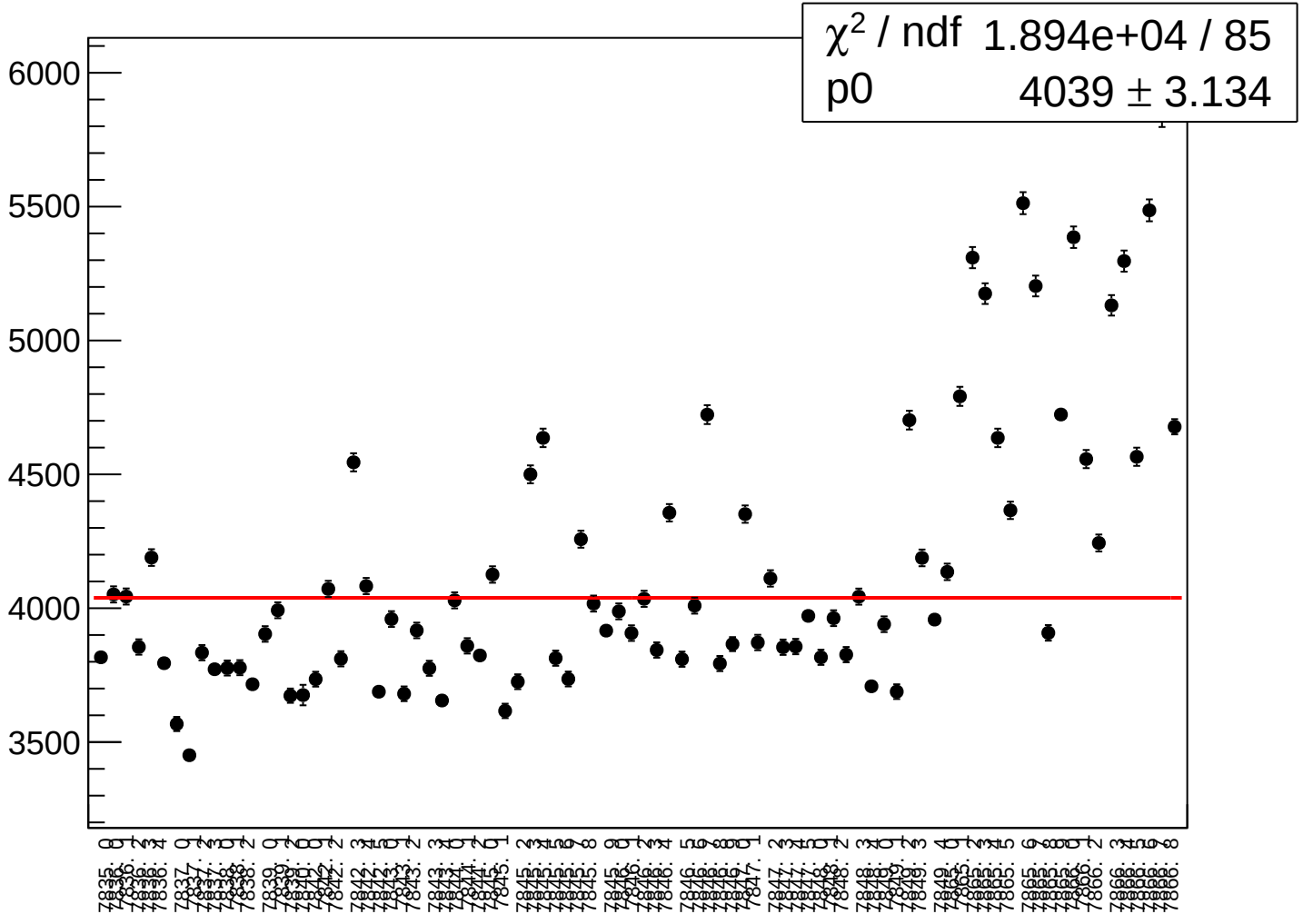
dit_asym_sam_26_dd_rms vs run

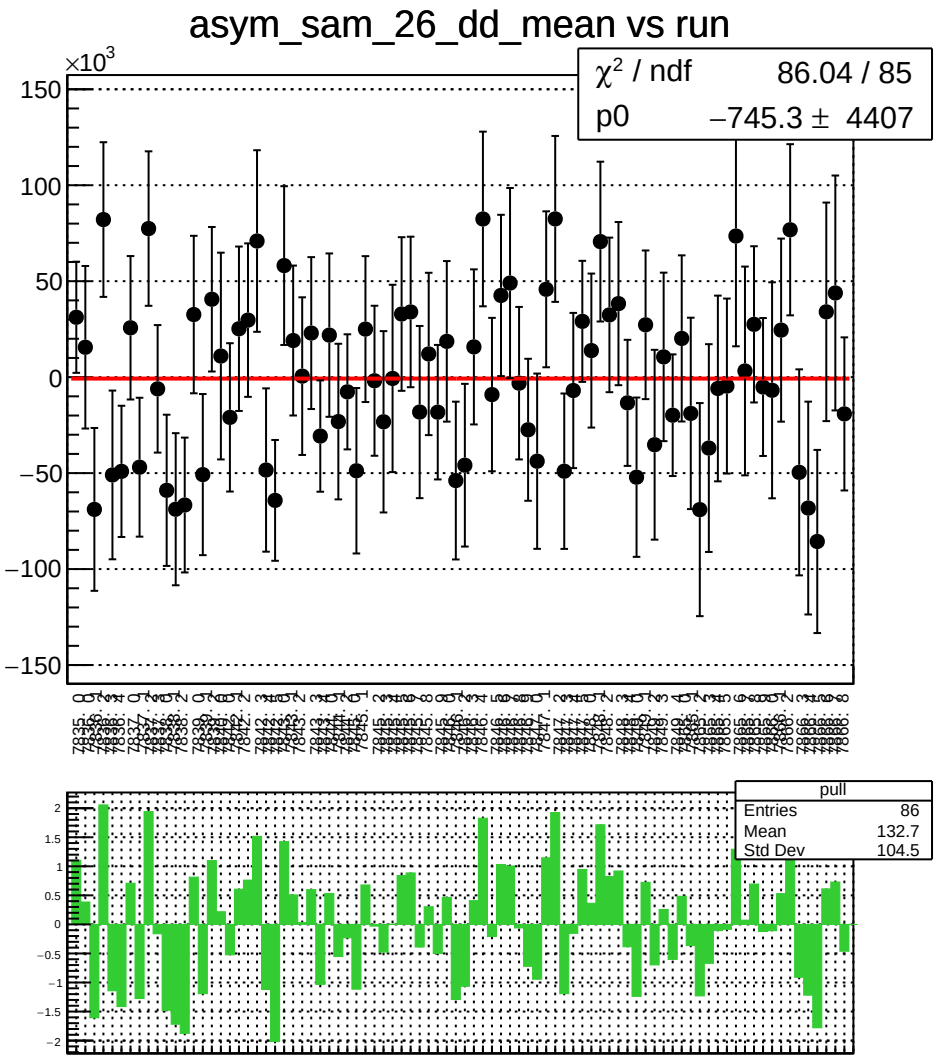


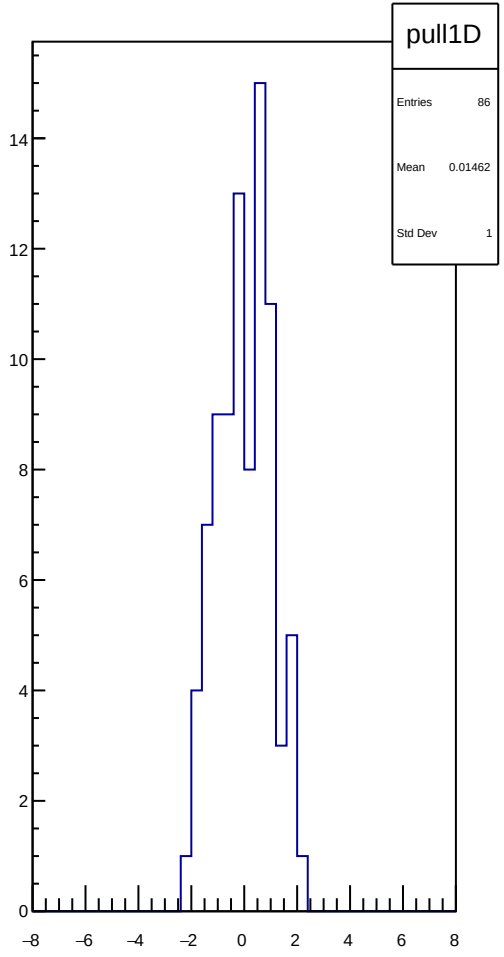

asym_sam_26_dd_correction_mean vs run
×10^3
χ² / ndf 85.56 / 85
p0 602.9 ± 4432
pull
Entries 86
Mean 118.1
Std Dev 91.59


pull1D
Entries 86
Mean −0.01455
Std Dev 0.9973

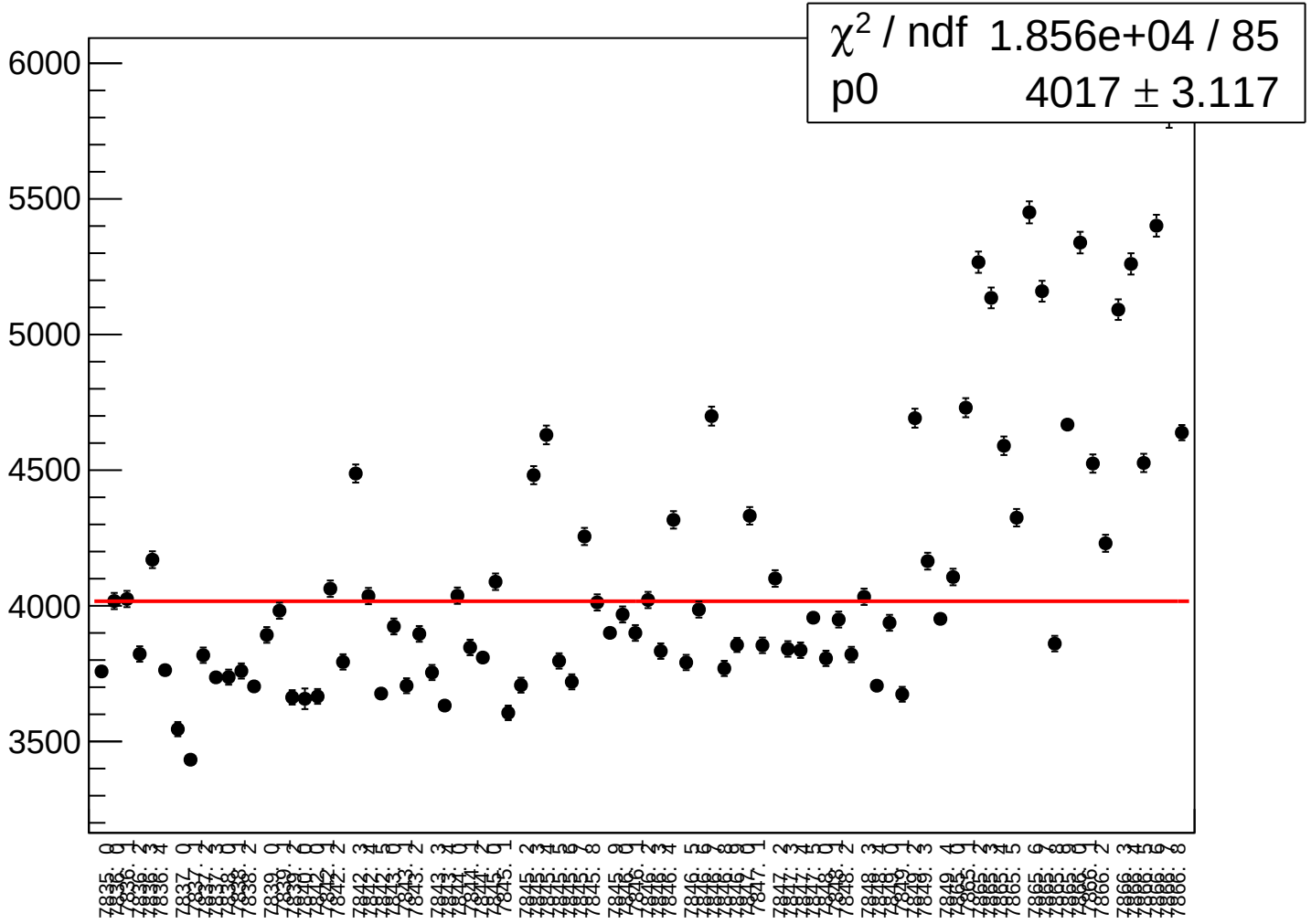
asym_sam_26_dd_correction_rms vs run

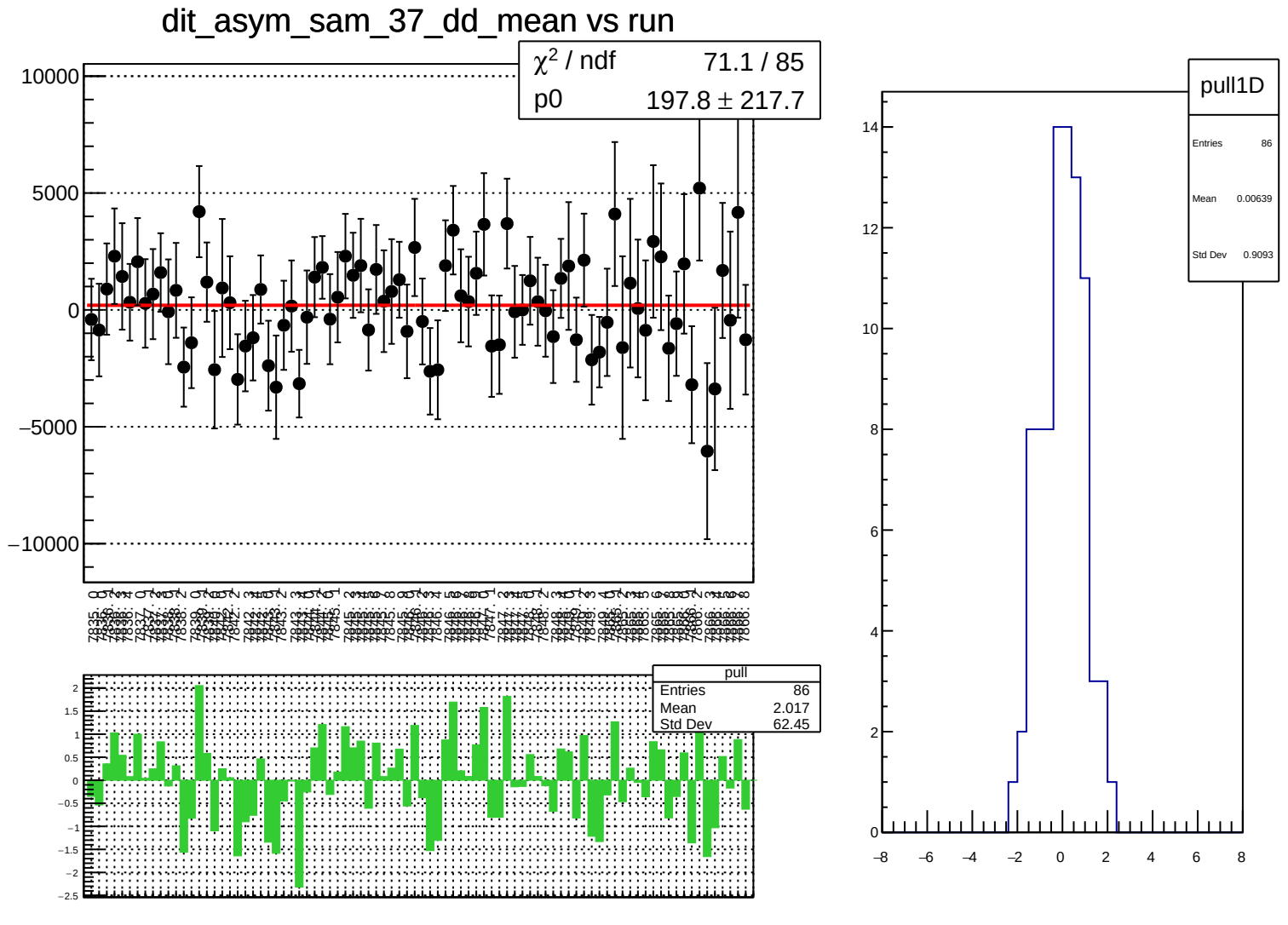



asym_sam_26_dd_mean vs run
×10^3
χ² / ndf 86.04 / 85
p0 −745.3 ± 4407
pull
Entries 86
Mean 132.7
Std Dev 104.5

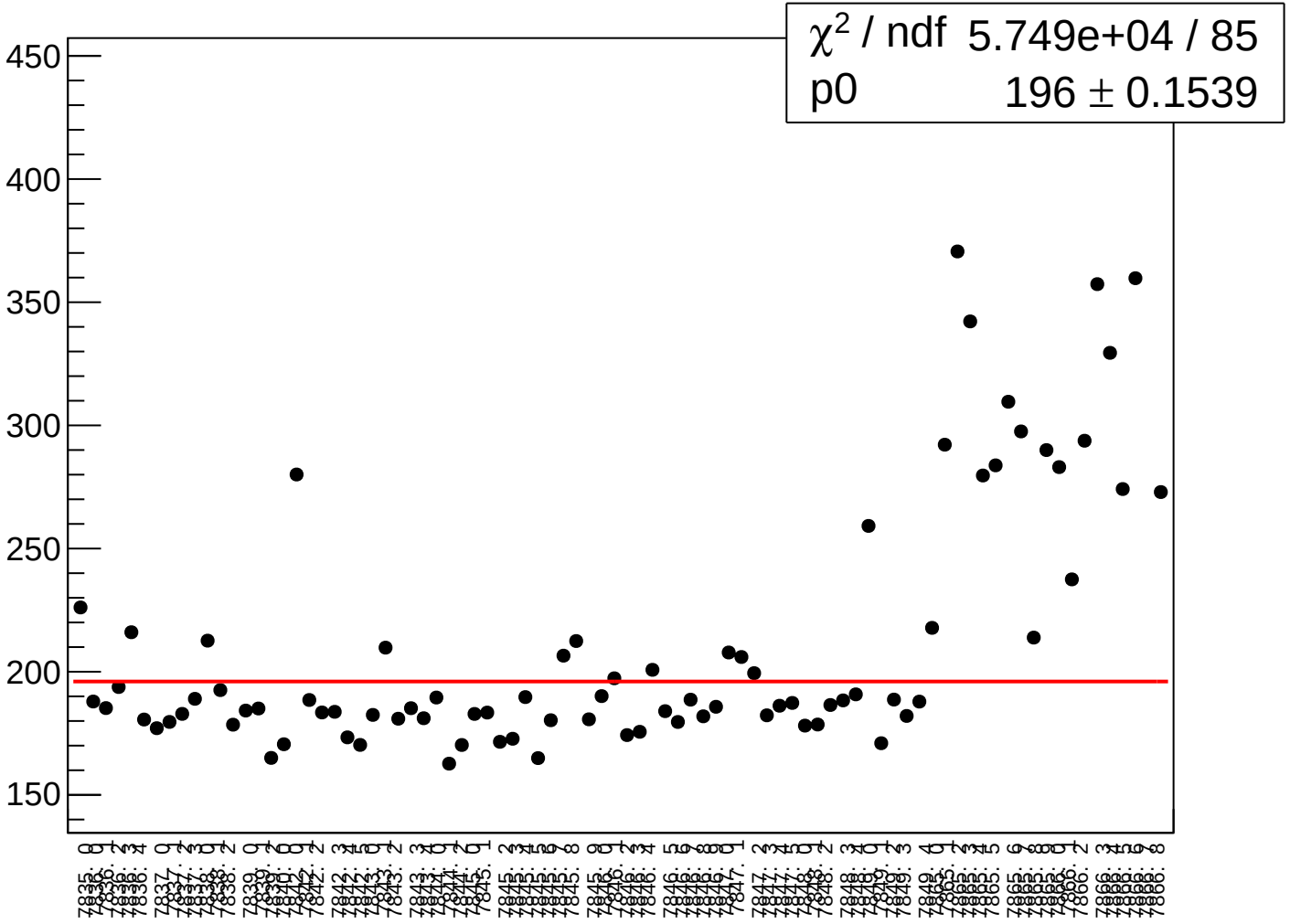

pull1D
Entries 86
Mean 0.01462
Std Dev 1

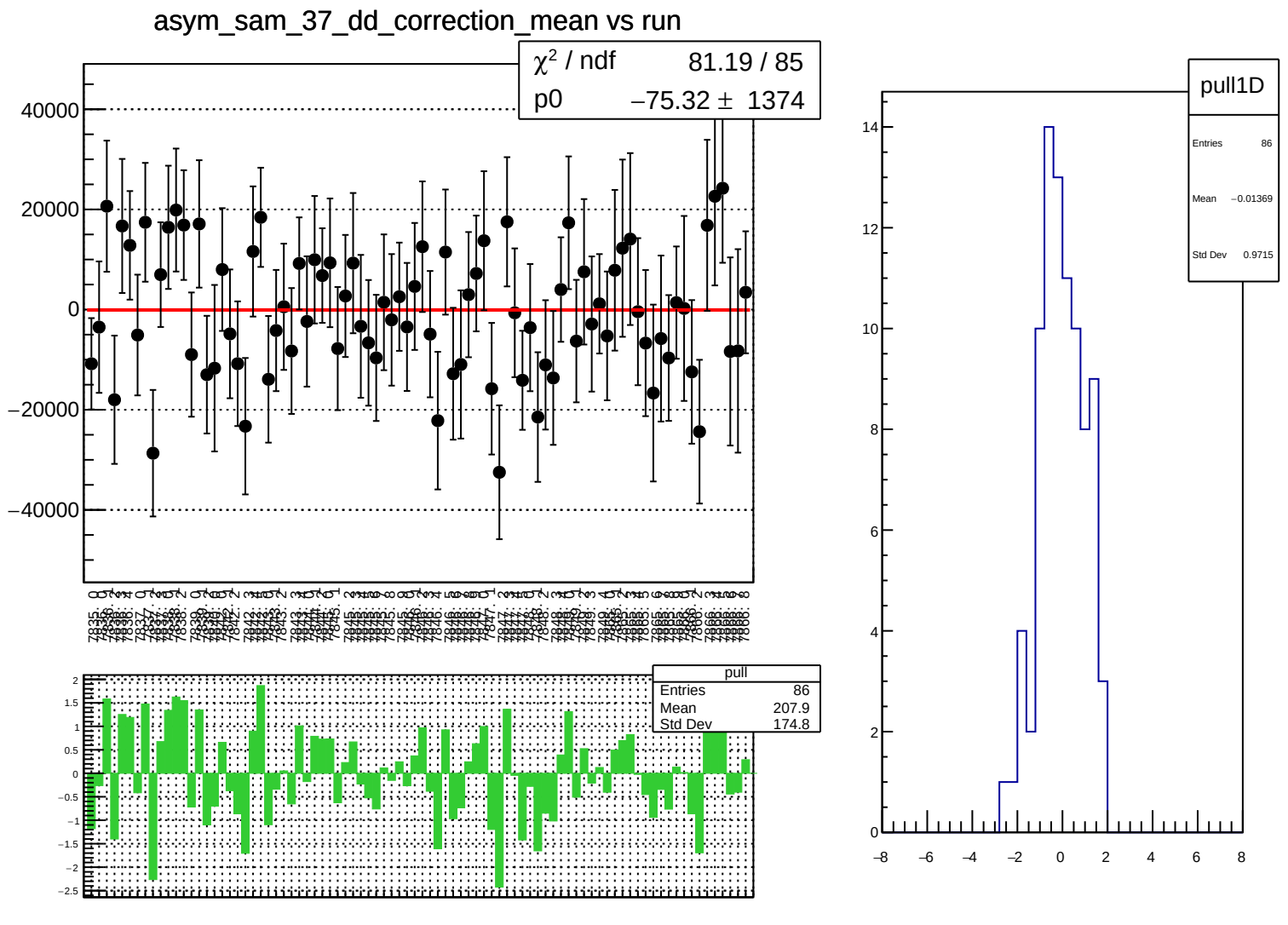
asym_sam_26_dd_rms vs run



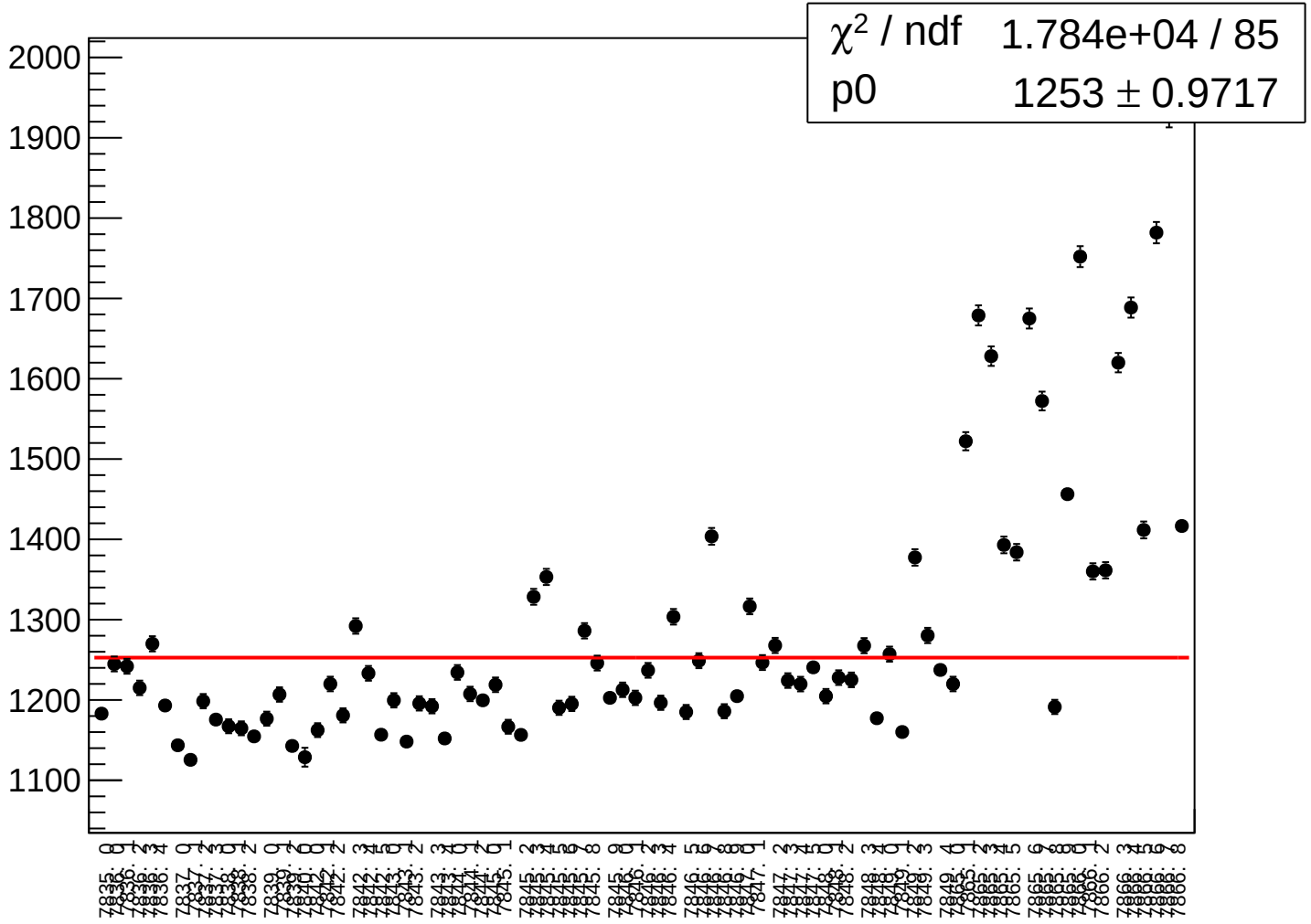

dit_asym_sam_37_dd_mean vs run
χ² / ndf 71.1 / 85
p0 197.8 ± 217.7
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 2.017
Std Dev 62.45
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 86
Mean 0.00639
Std Dev 0.9093
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

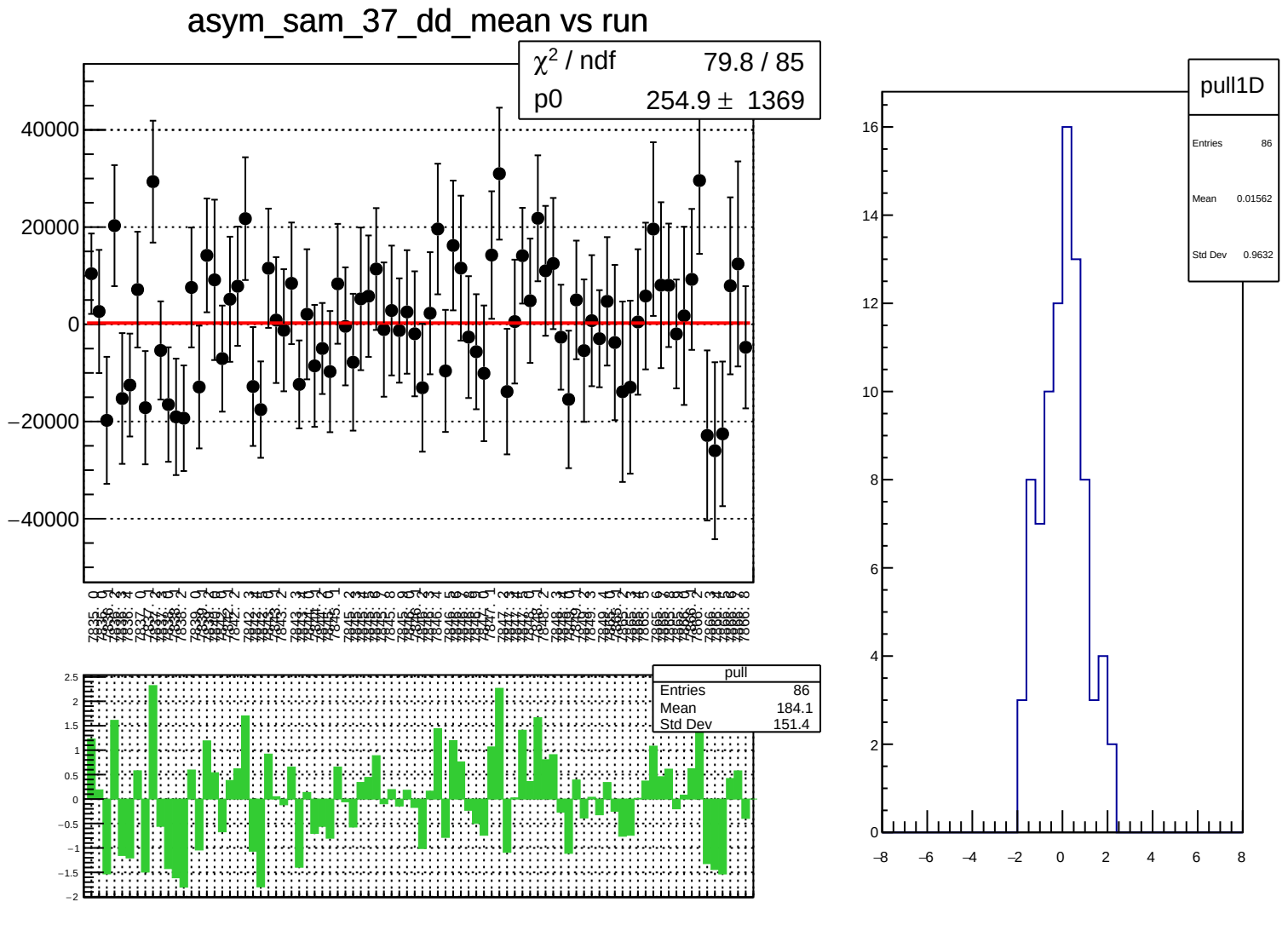
dit_asym_sam_37_dd_rms vs run



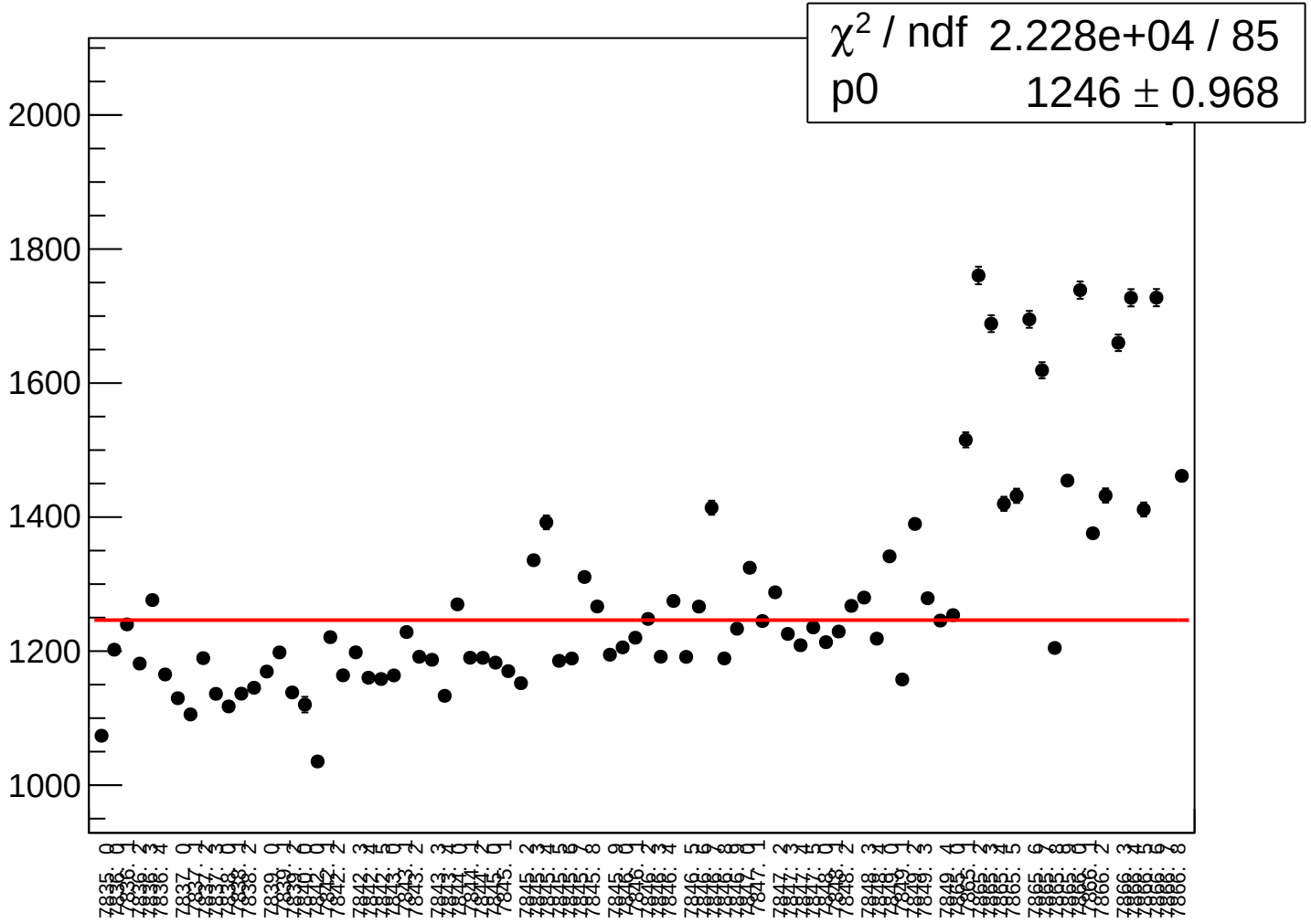

asym_sam_37_dd_correction_mean vs run
χ² / ndf 81.19 / 85
p0 −75.32 ± 1374
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 207.9
Std Dev 174.8
pull1D
Entries 86
Mean −0.01369
Std Dev 0.9715

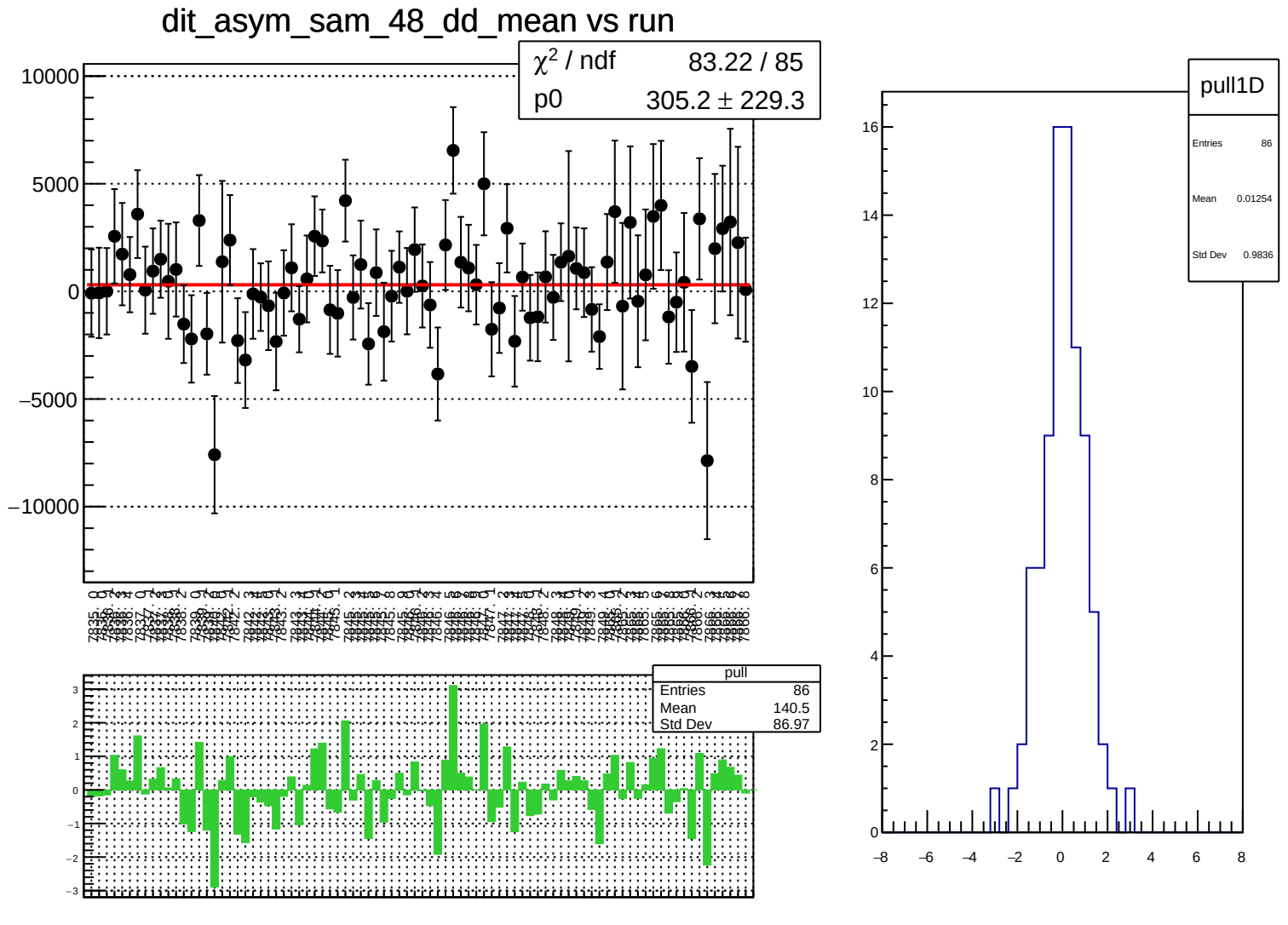
asym_sam_37_dd_correction_rms vs run



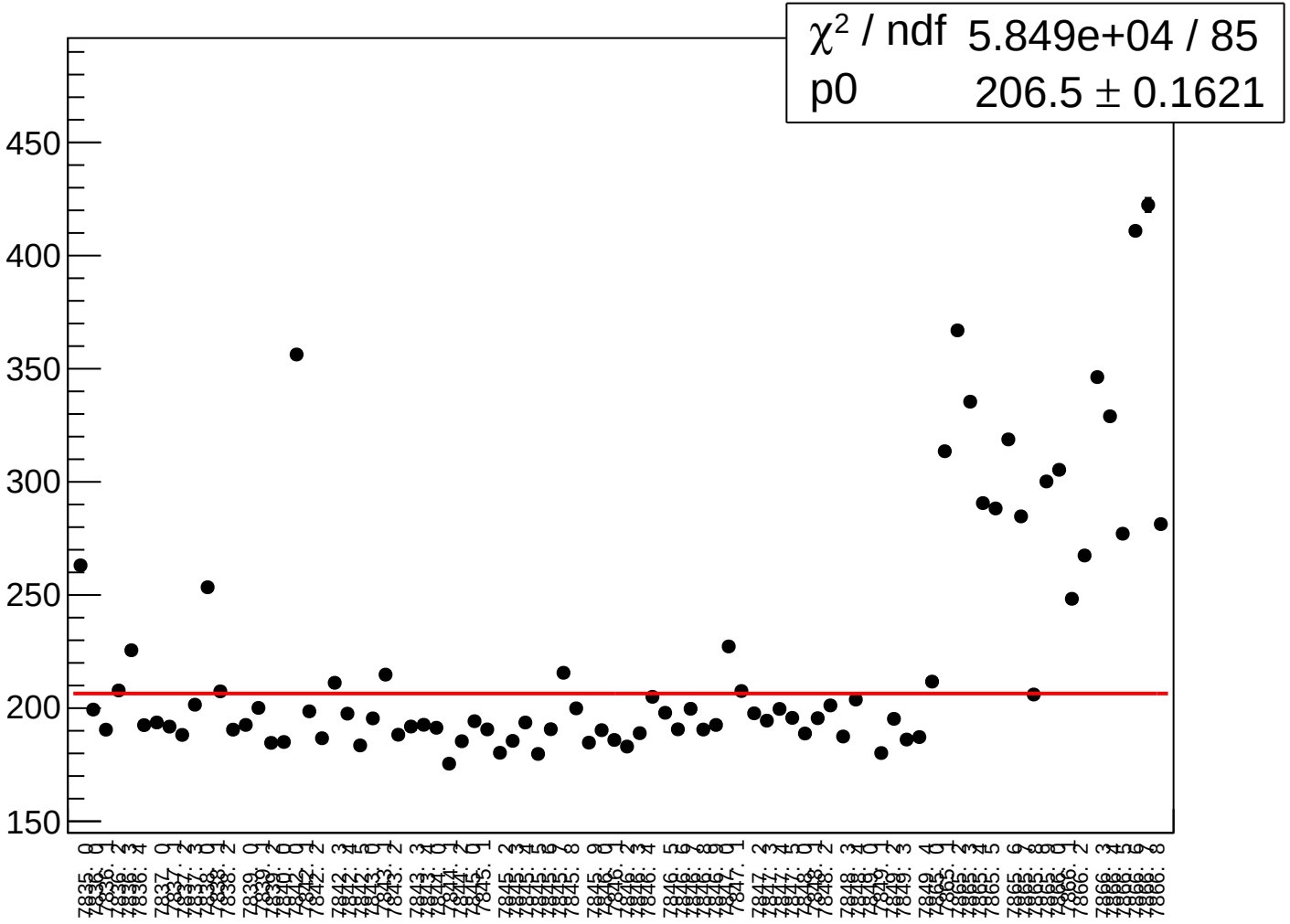

asym_sam_37_dd_mean vs run
χ² / ndf 79.8 / 85
p0 254.9 ± 1369
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 184.1
Std Dev 151.4
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 86
Mean 0.01562
Std Dev 0.9632
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

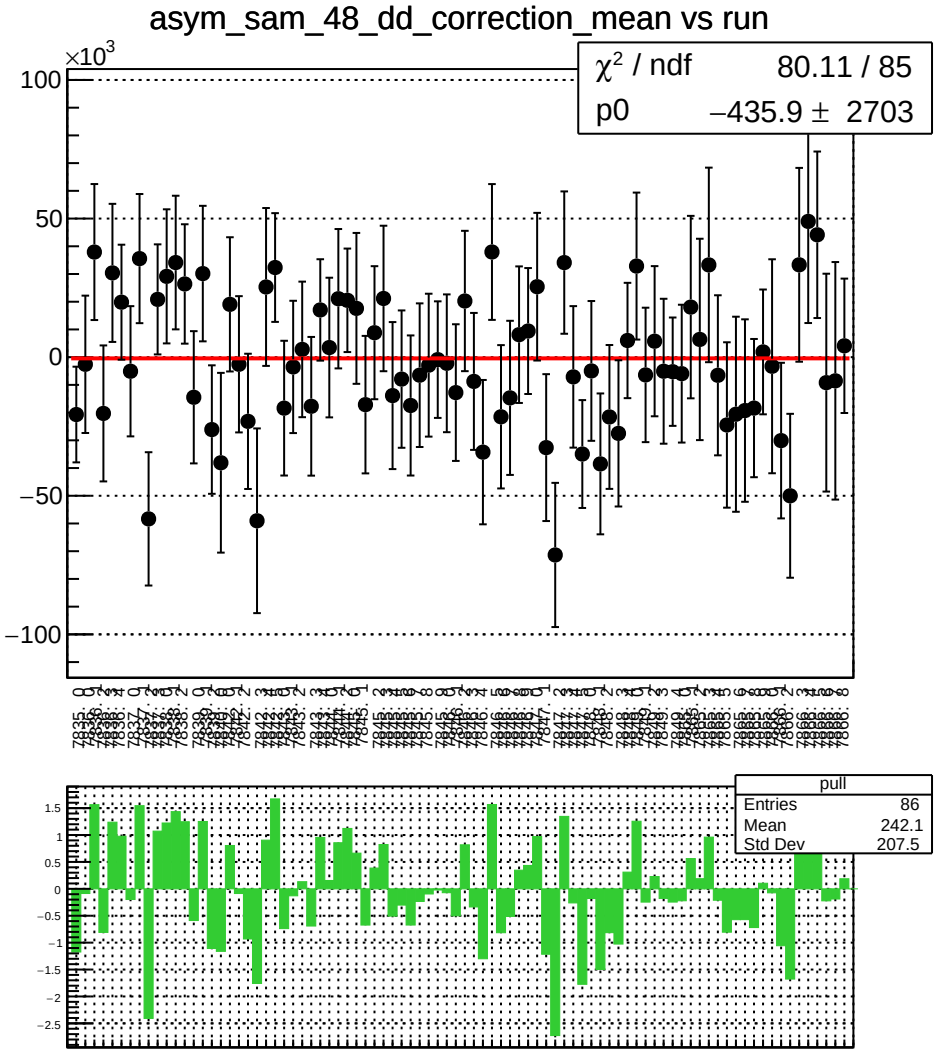
asym_sam_37_dd_rms vs run

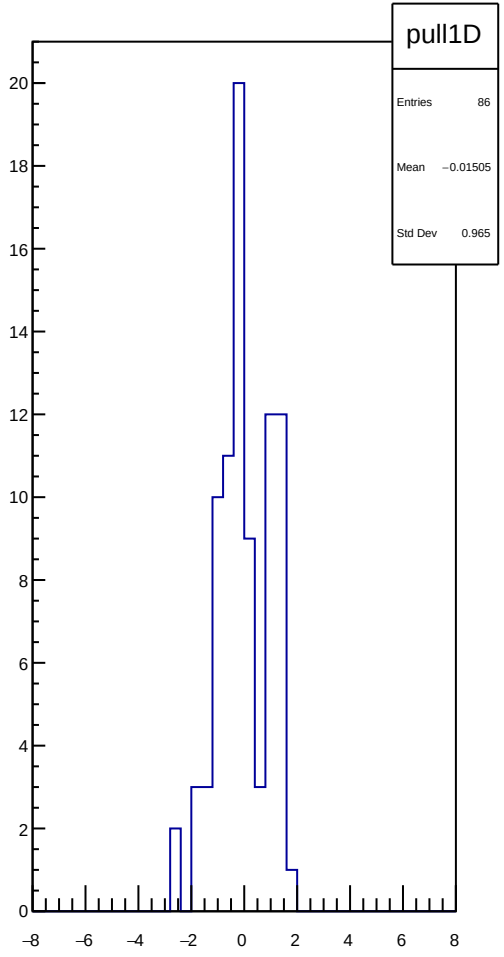



dit_asym_sam_48_dd_mean vs run
χ² / ndf 83.22 / 85
p0 305.2 ± 229.3
pull
Entries 86
Mean 140.5
Std Dev 86.97
pull1D
Entries 86
Mean 0.01254
Std Dev 0.9836

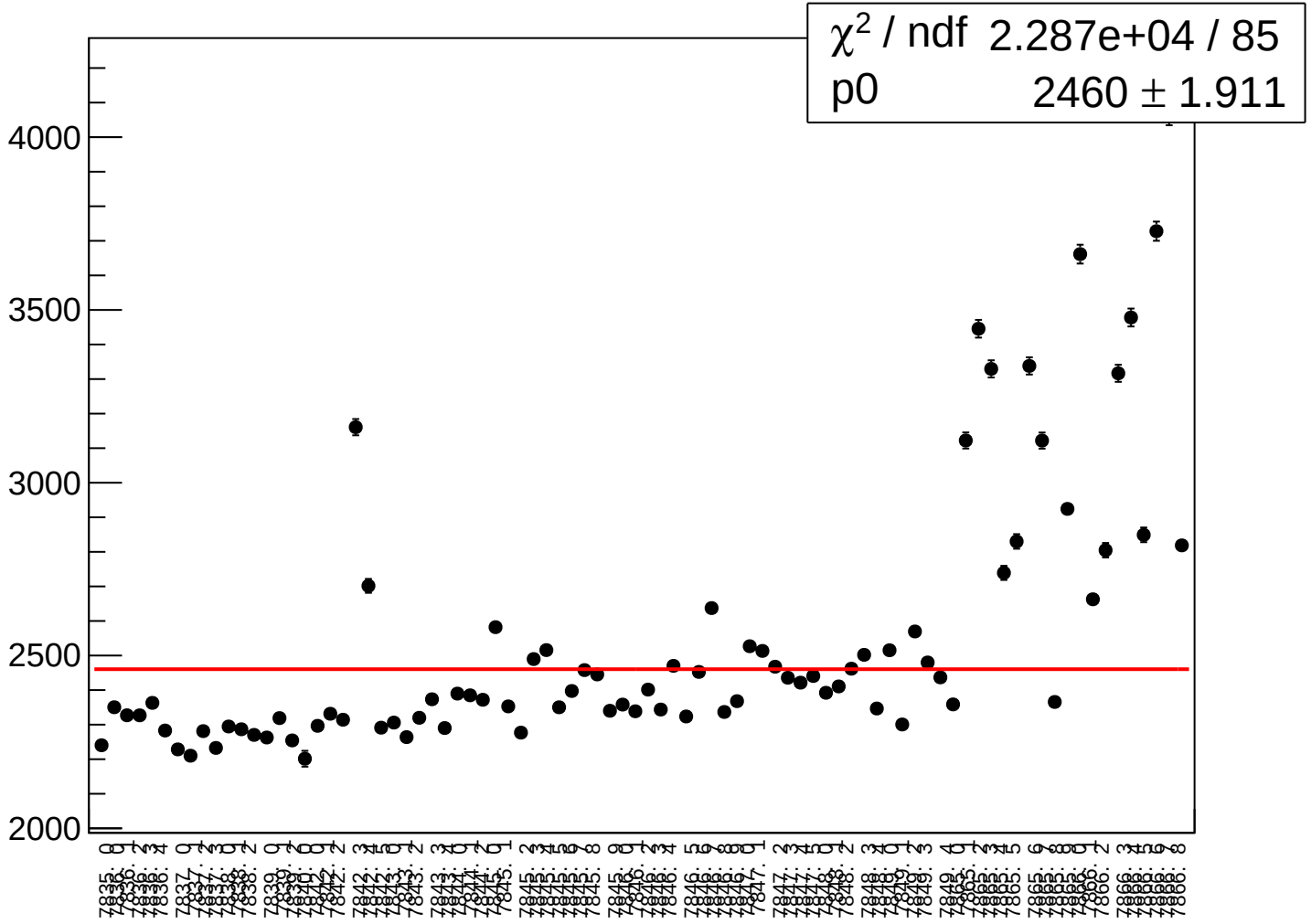
dit_asym_sam_48_dd_rms vs run

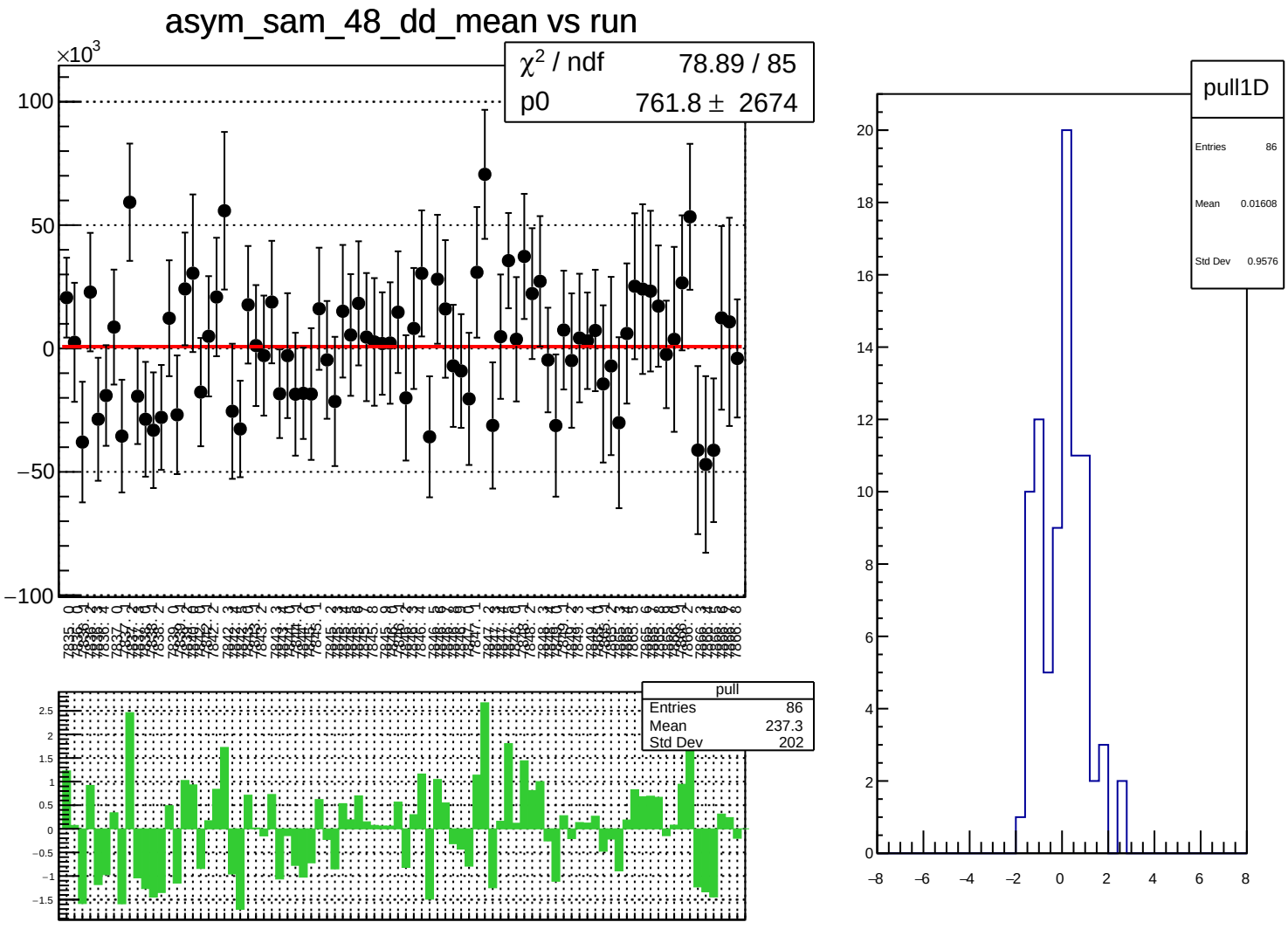



asym_sam_48_dd_correction_mean vs run
×10^3
χ² / ndf 80.11 / 85
p0 −435.9 ± 2703
pull
Entries 86
Mean 242.1
Std Dev 207.5

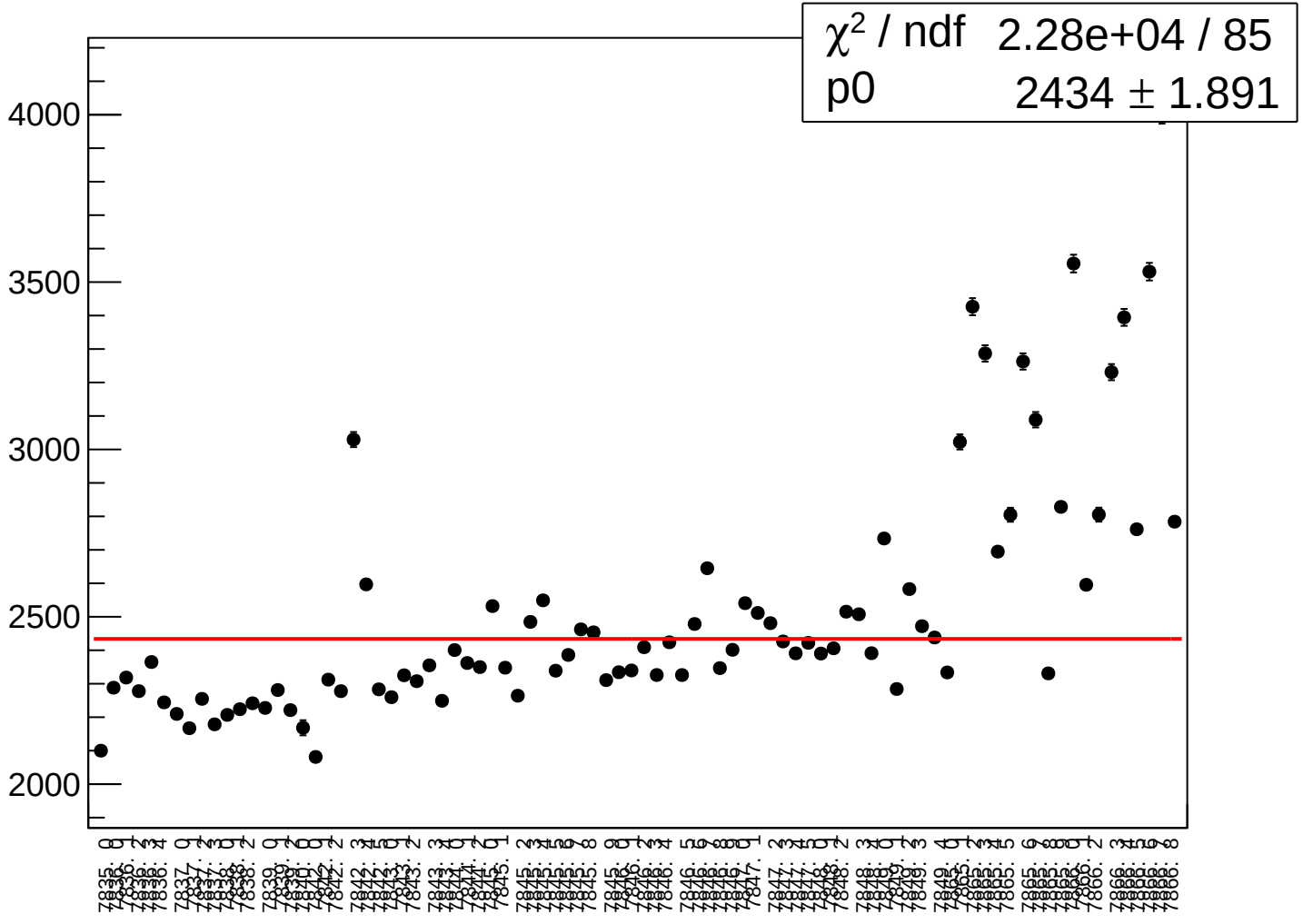

pull1D
Entries 86
Mean −0.01505
Std Dev 0.965

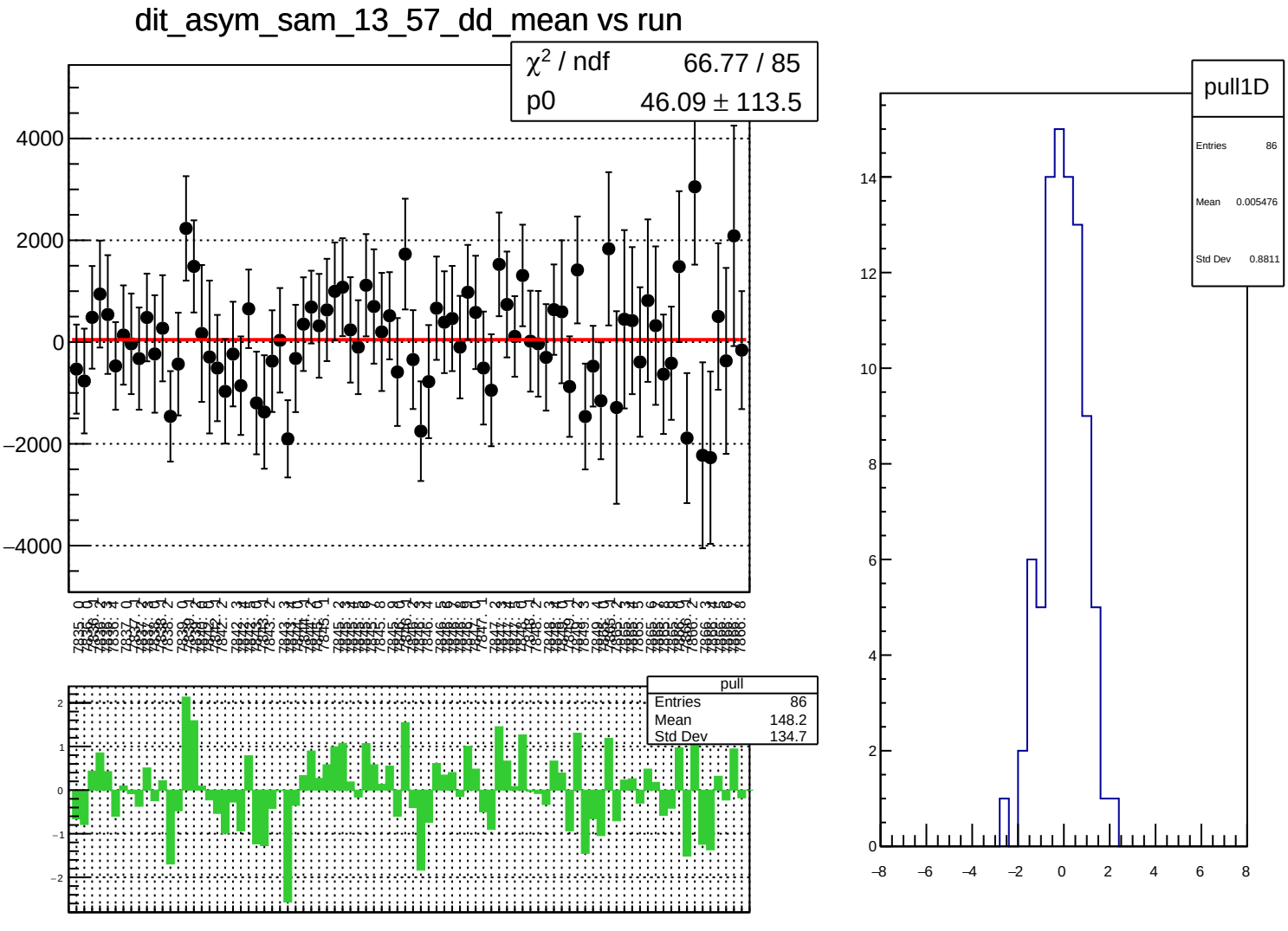
asym_sam_48_dd_correction_rms vs run



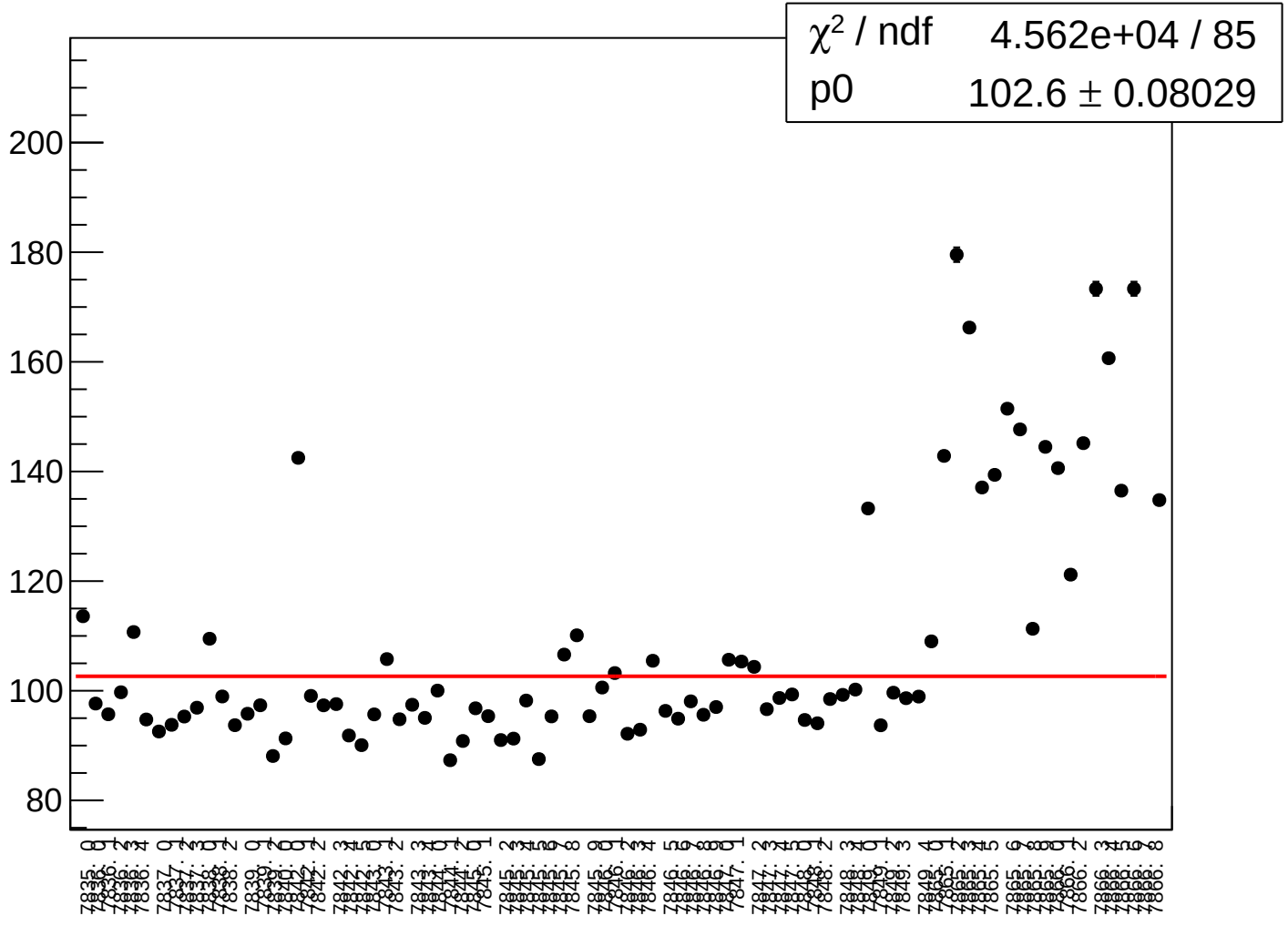

asym_sam_48_dd_mean vs run
×10^3
χ^2 / ndf 78.89 / 85
p0 761.8 ± 2674
pull
Entries 86
Mean 237.3
Std Dev 202
pull1D
Entries 86
Mean 0.01608
Std Dev 0.9576

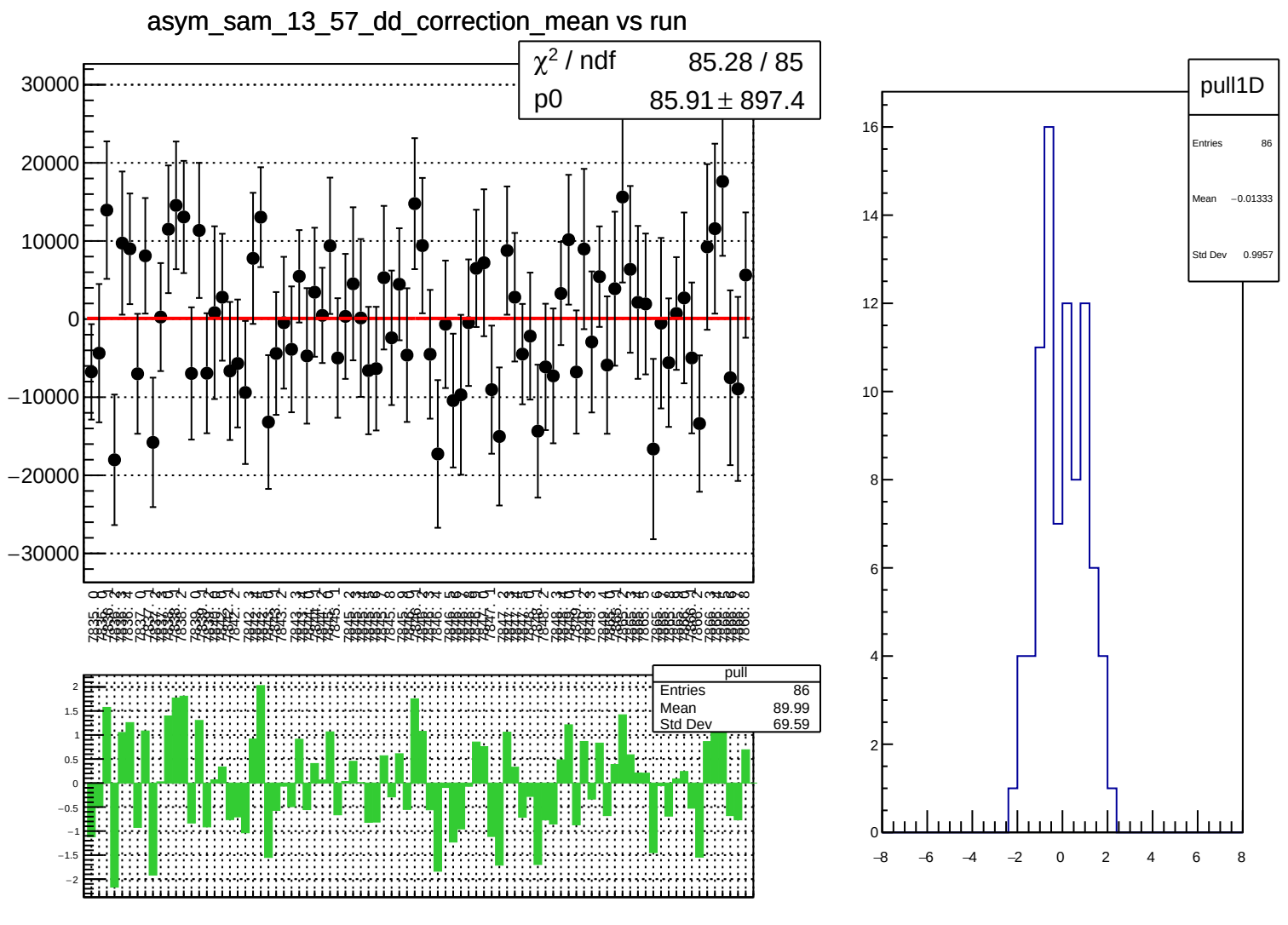
asym_sam_48_dd_rms vs run

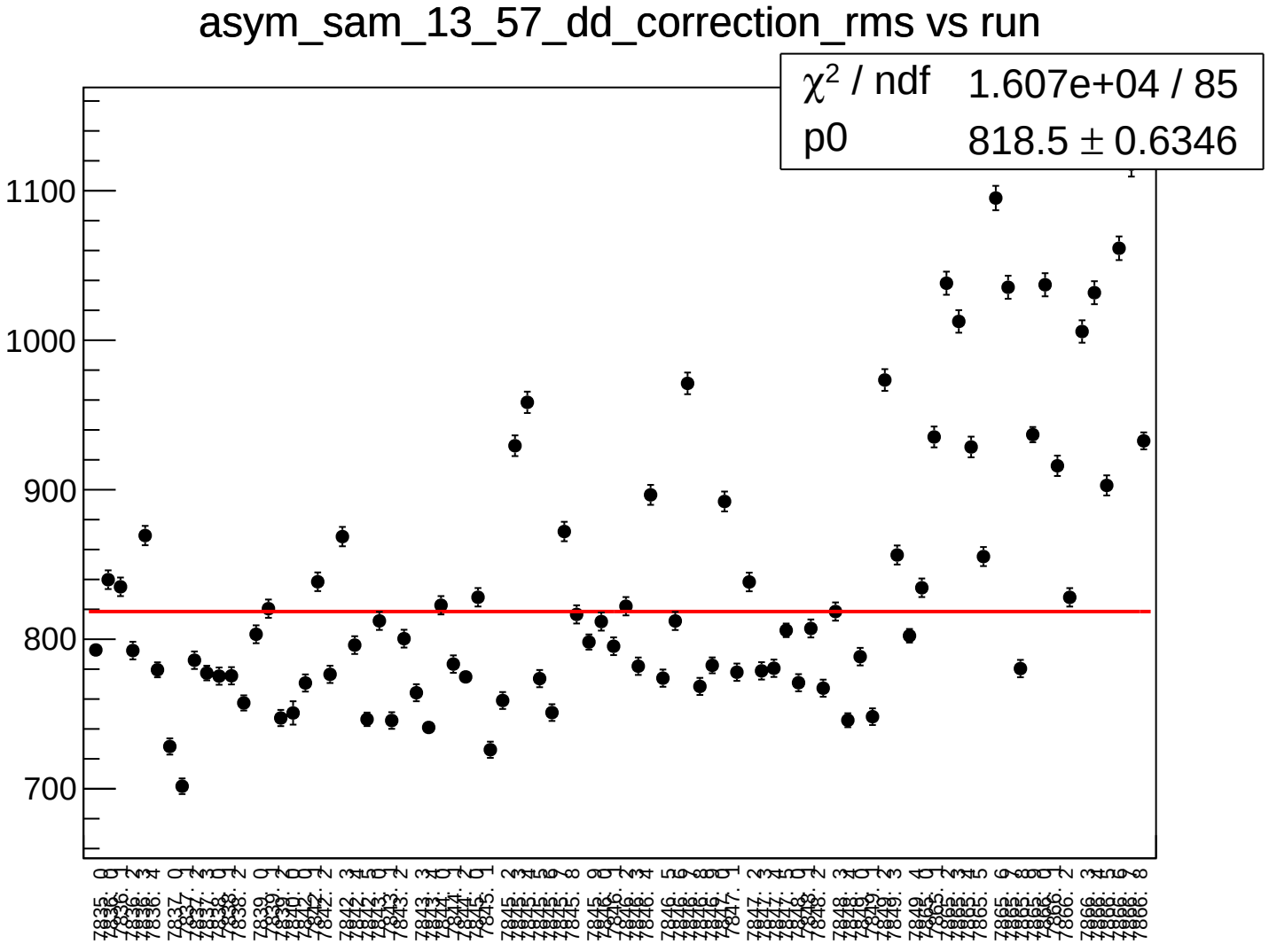


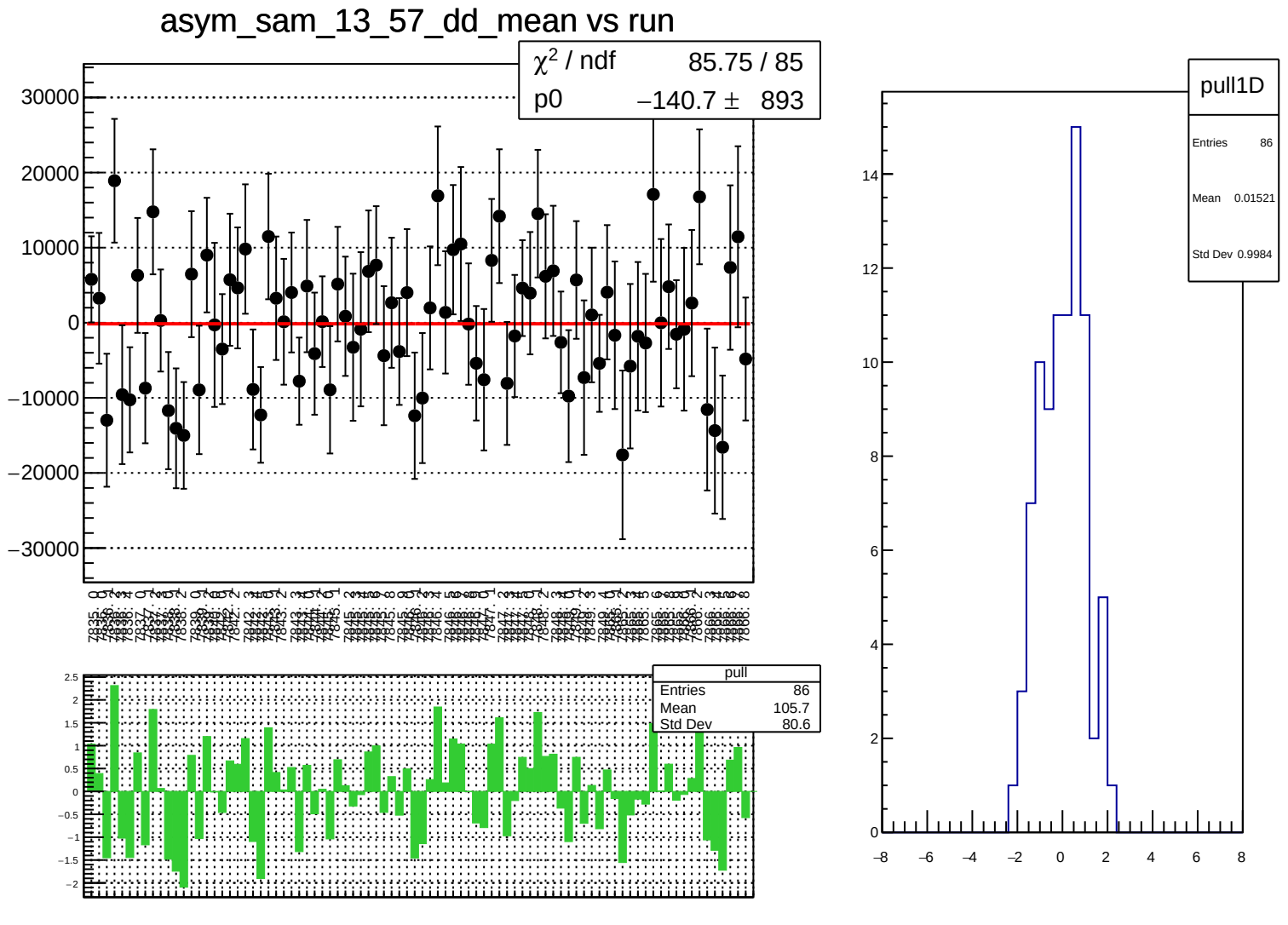

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 66.77 / 85
p0 46.09 ± 113.5
4000
2000
0
−2000
−4000
pull
Entries 86
Mean 148.2
Std Dev 134.7
pull1D
Entries 86
Mean 0.005476
Std Dev 0.8811

dit_asym_sam_13_57_dd_rms vs run

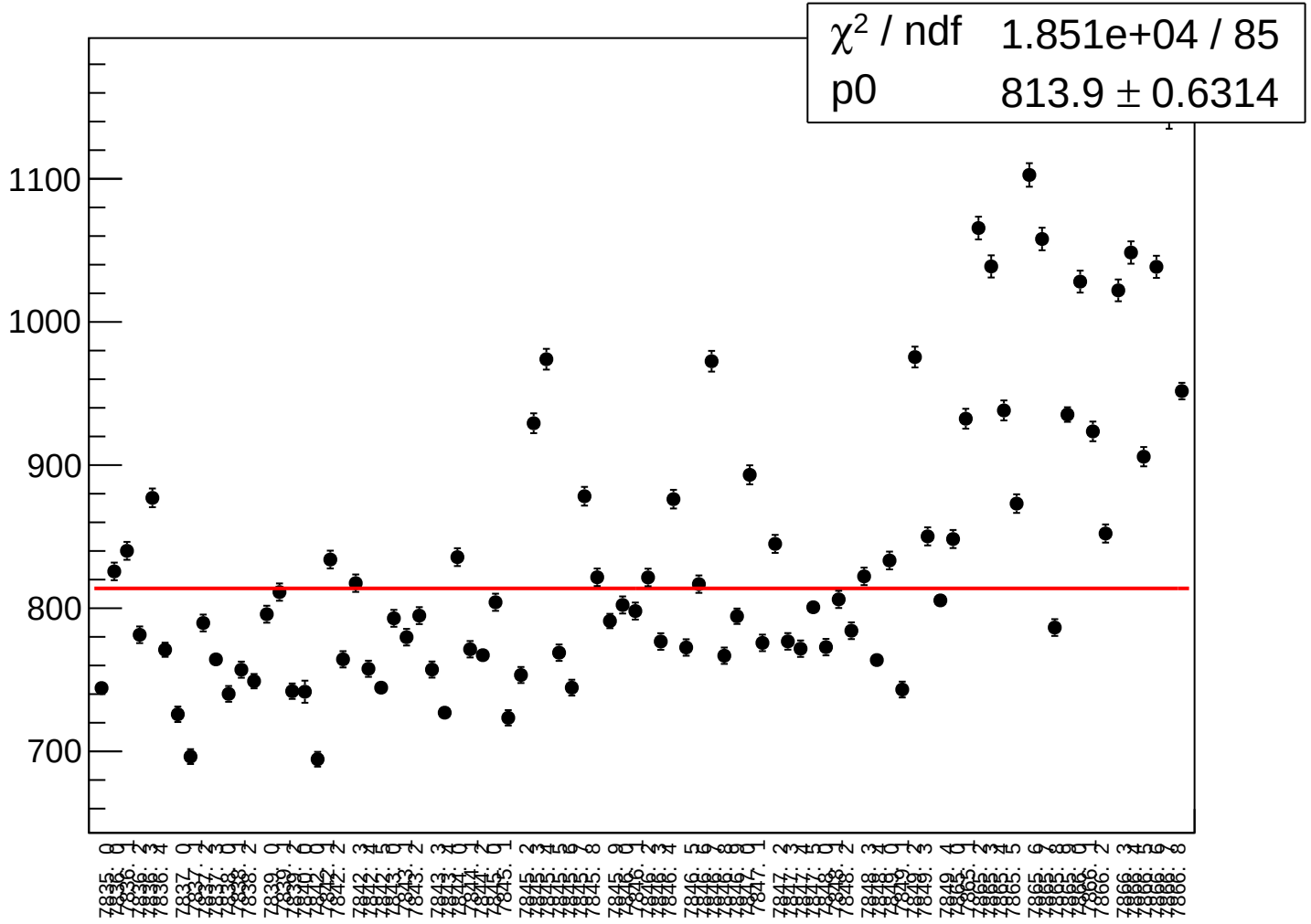


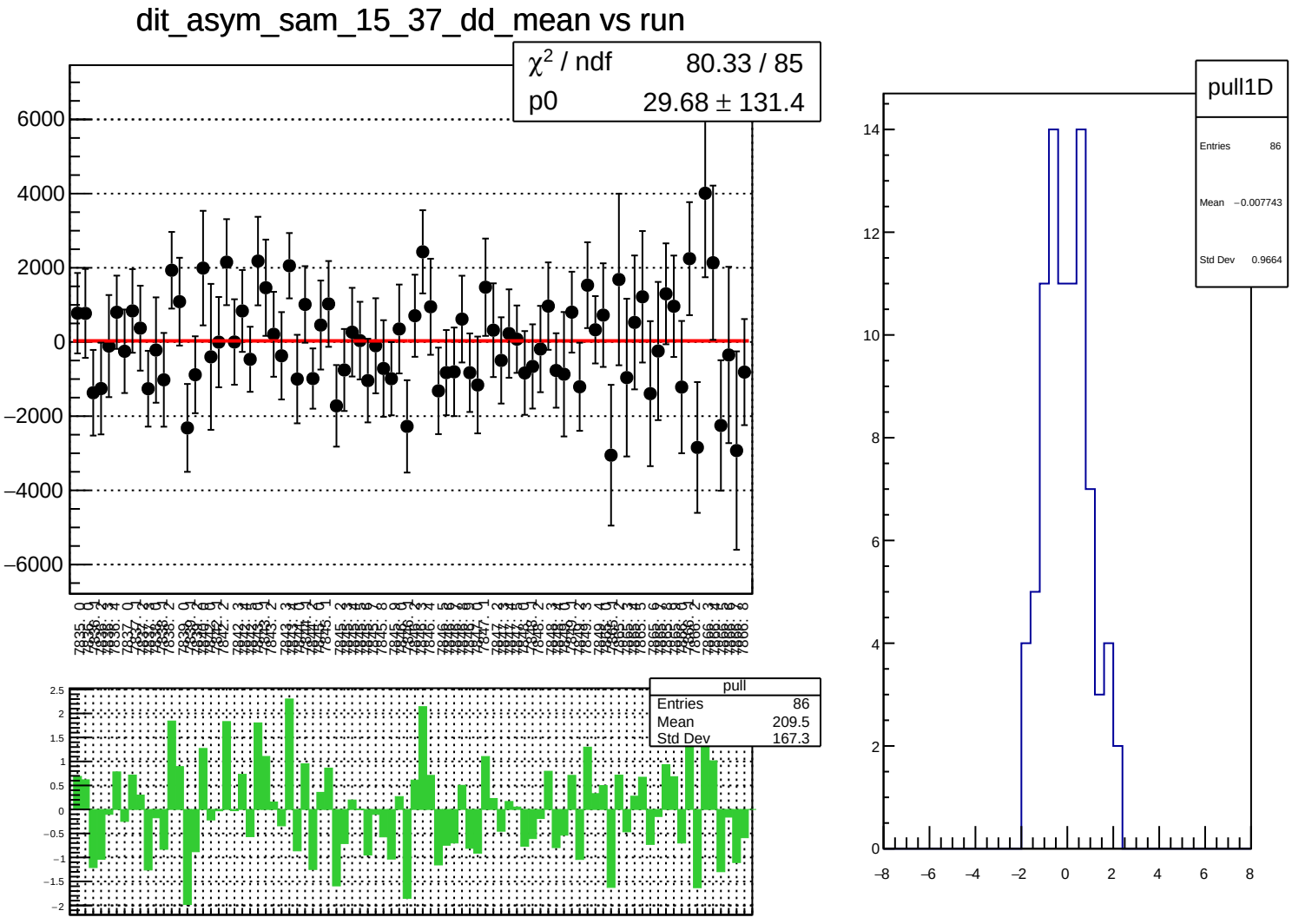

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 85.28 / 85
p0 85.91 ± 897.4
pull
Entries 86
Mean 89.99
Std Dev 69.59
pull1D
Entries 86
Mean −0.01333
Std Dev 0.9957


asym_sam_13_57_dd_correction_rms vs run
χ^2 / ndf 1.607e+04 / 85
p0 818.5 ± 0.6346
1100
1000
900
800
700

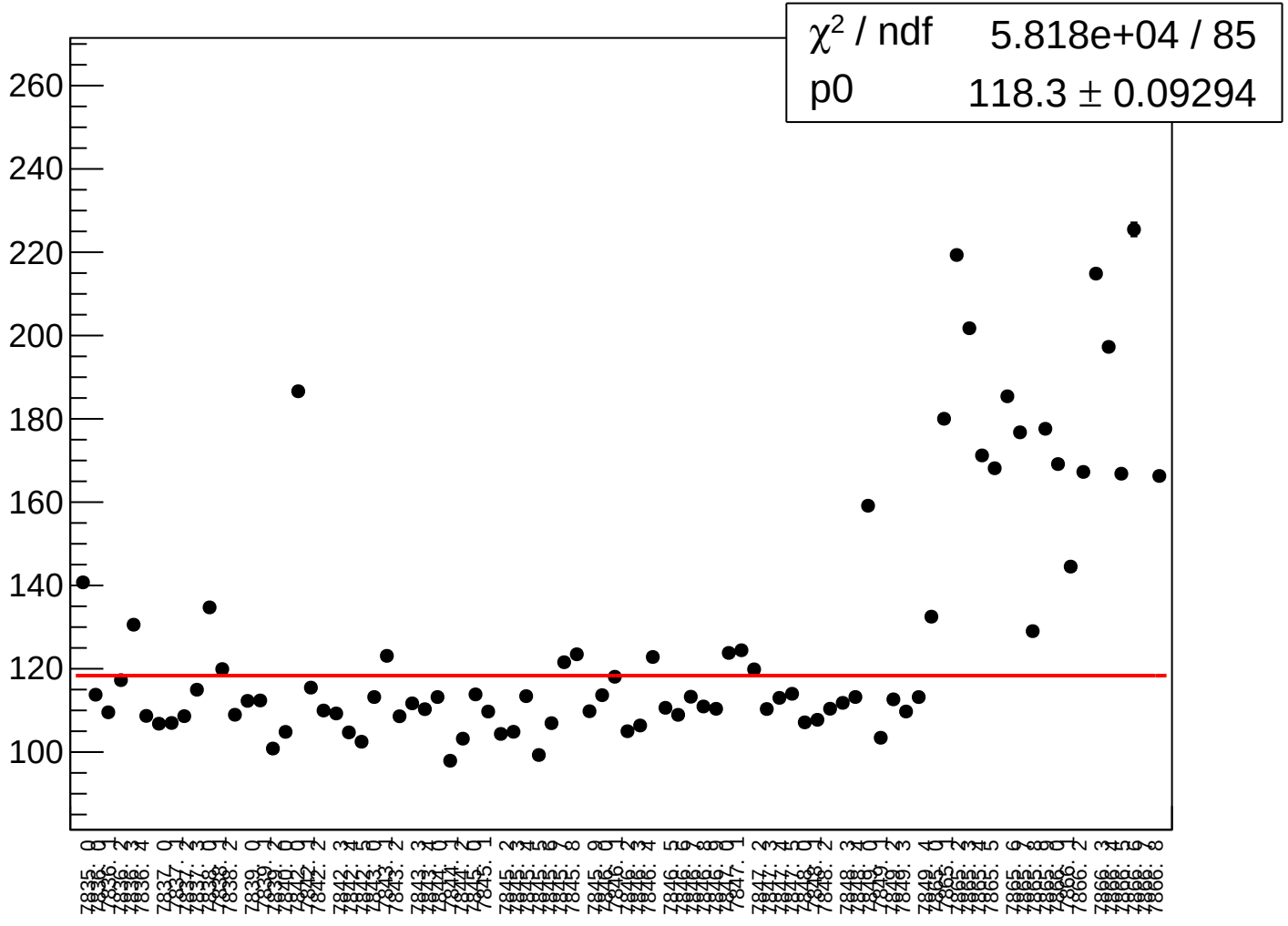

asym_sam_13_57_dd_mean vs run
χ² / ndf 85.75 / 85
p0 −140.7 ± 893
pull
Entries 86
Mean 105.7
Std Dev 80.6
pull1D
Entries 86
Mean 0.01521
Std Dev 0.9984

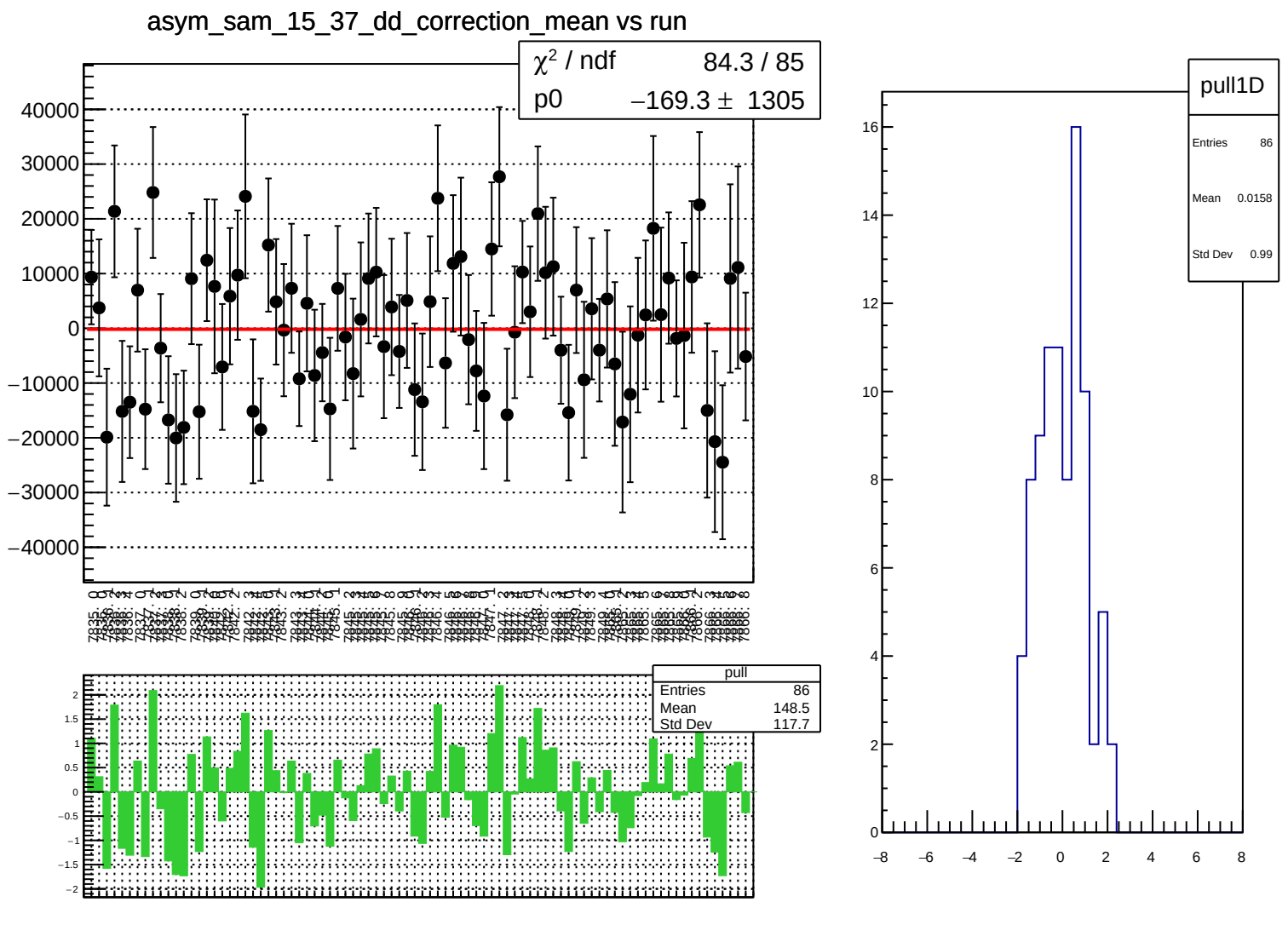
asym_sam_13_57_dd_rms vs run

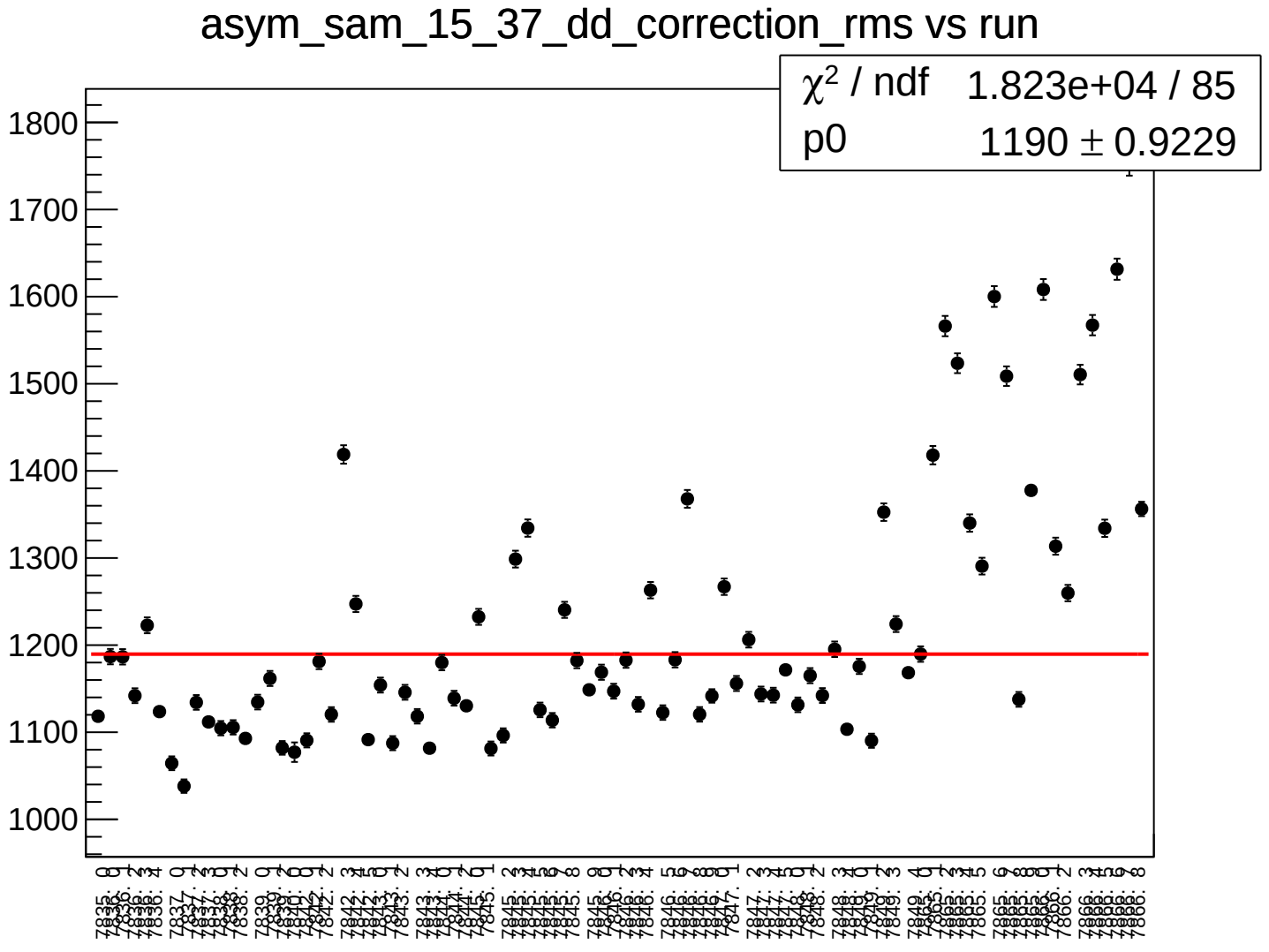


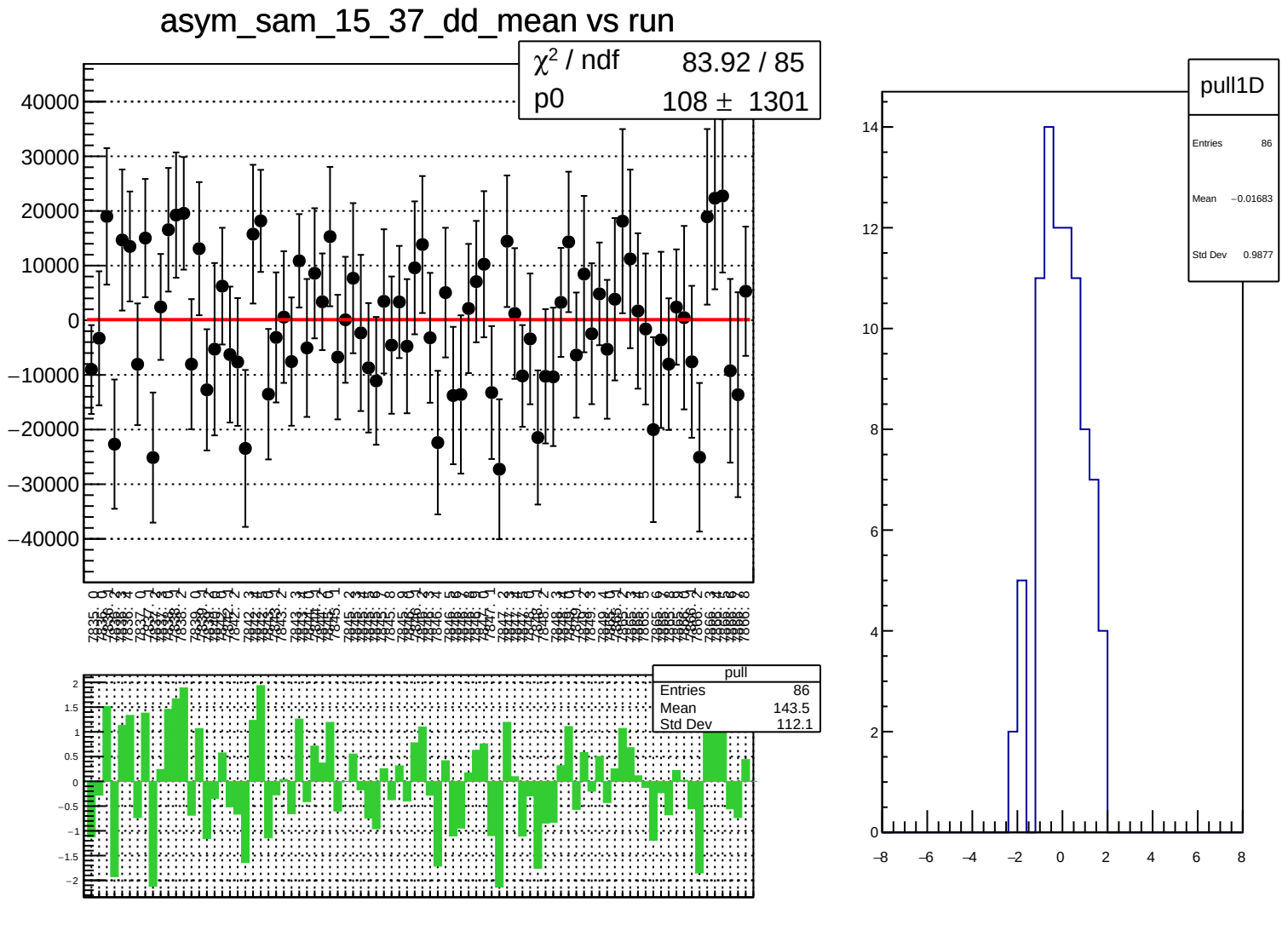

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 80.33 / 85
p0 29.68 ± 131.4
pull
Entries 86
Mean 209.5
Std Dev 167.3
pull1D
Entries 86
Mean −0.007743
Std Dev 0.9664

dit_asym_sam_15_37_dd_rms vs run

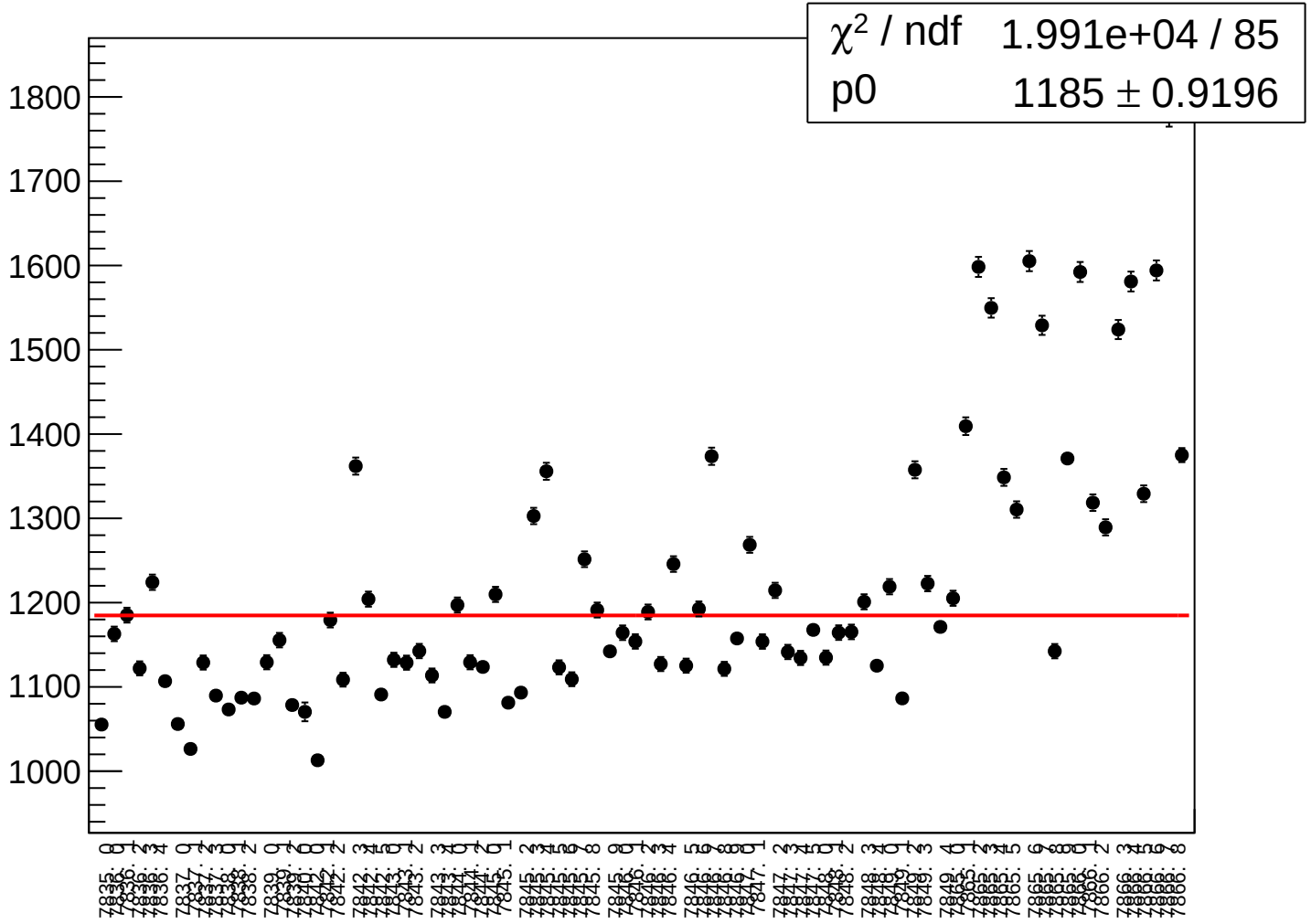


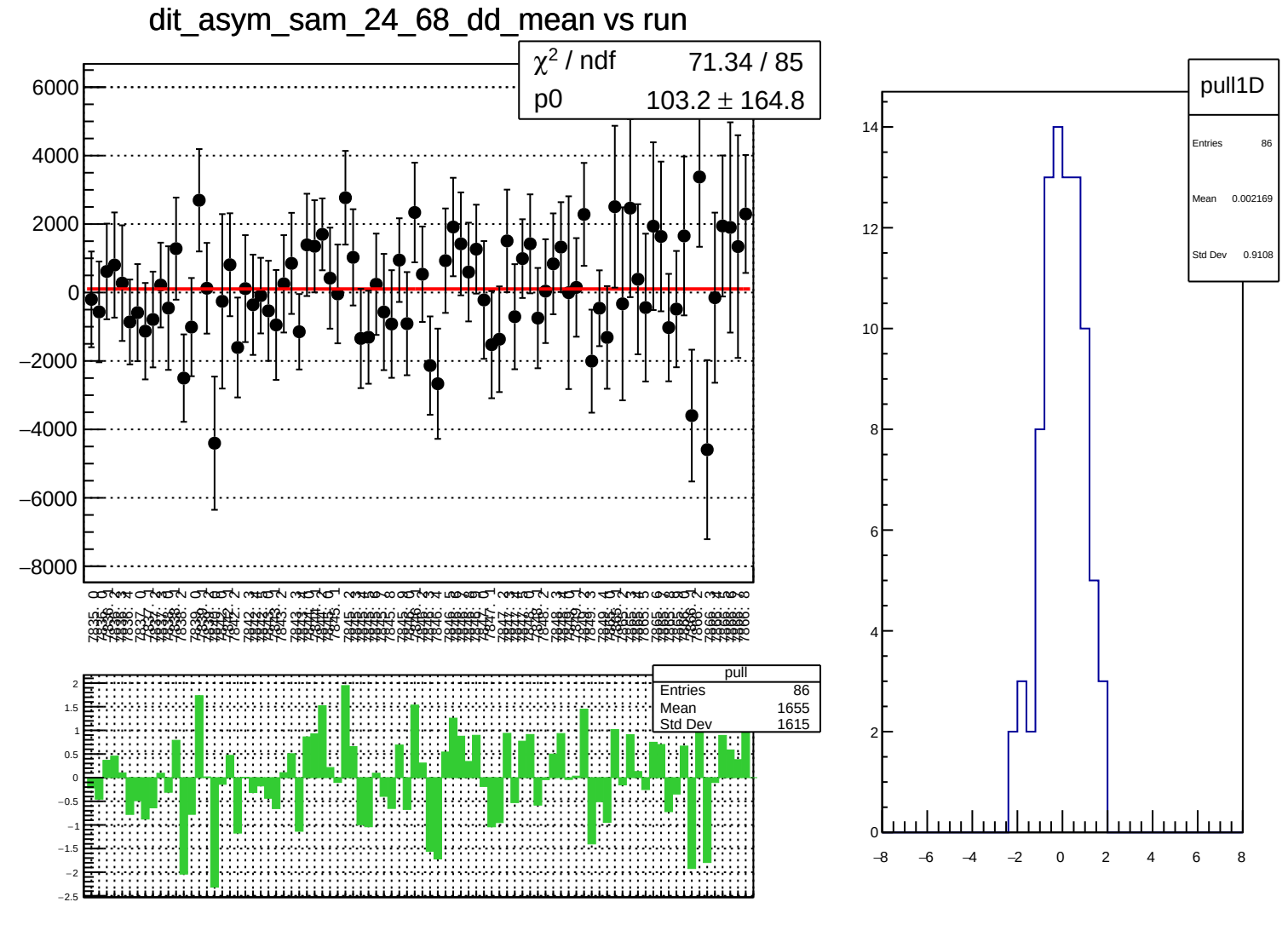

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 84.3 / 85
p0 −169.3 ± 1305
pull
Entries 86
Mean 148.5
Std Dev 117.7
pull1D
Entries 86
Mean 0.0158
Std Dev 0.99


asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 1.823e+04 / 85
p0 1190 ± 0.9229
1800
1700
1600
1500
1400
1300
1200
1100
1000

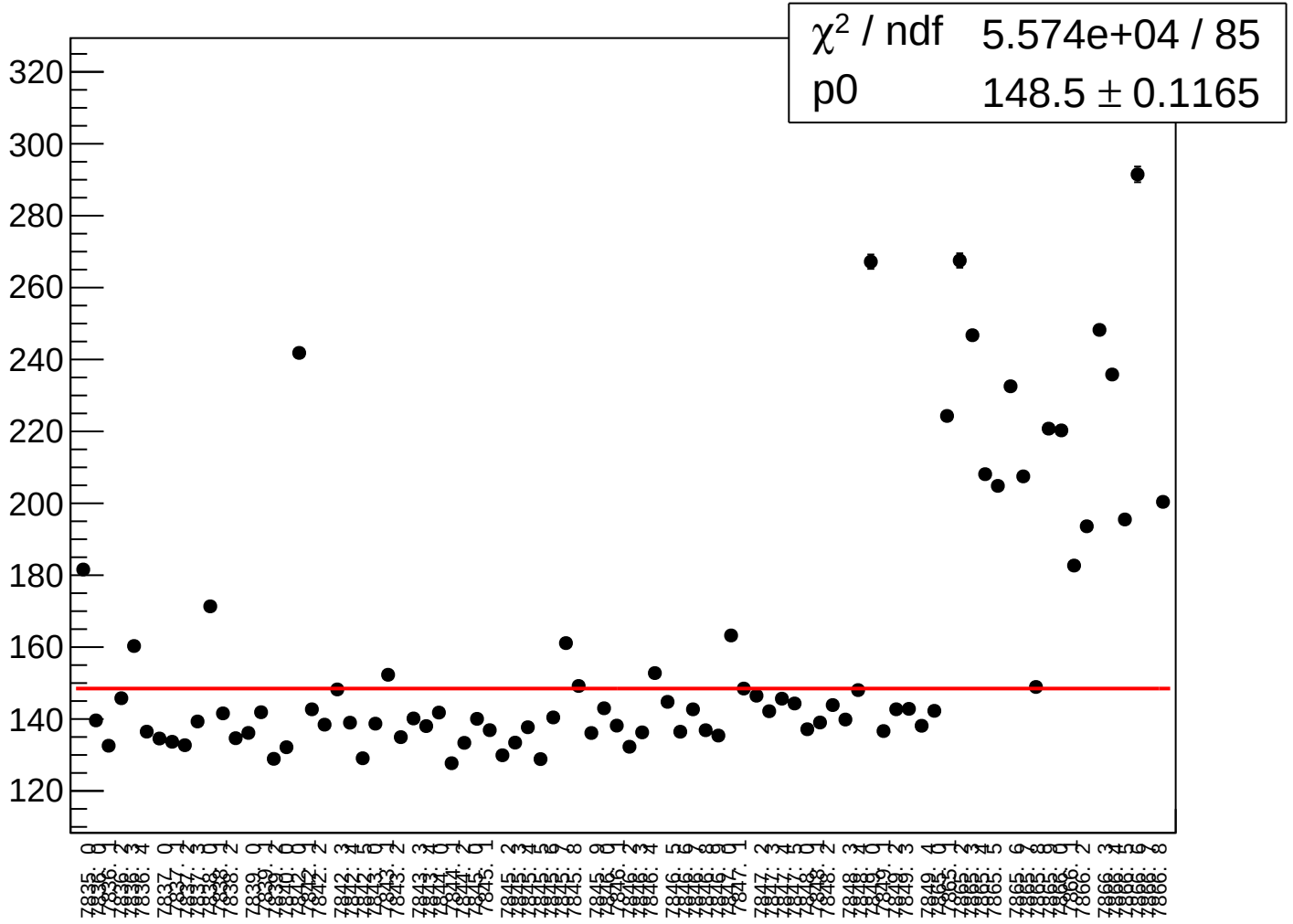

asym_sam_15_37_dd_mean vs run
χ² / ndf 83.92 / 85
p0 108 ± 1301
pull
Entries 86
Mean 143.5
Std Dev 112.1
pull1D
Entries 86
Mean −0.01683
Std Dev 0.9877

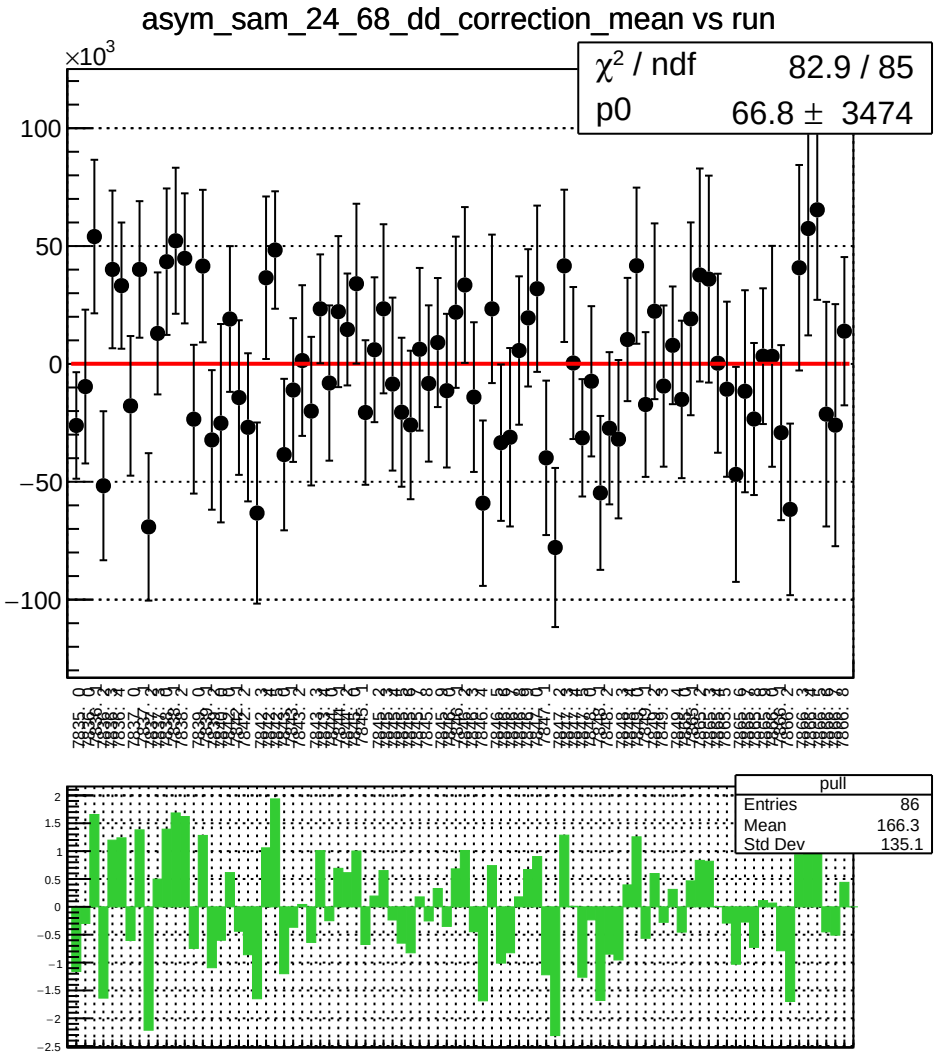
asym_sam_15_37_dd_rms vs run

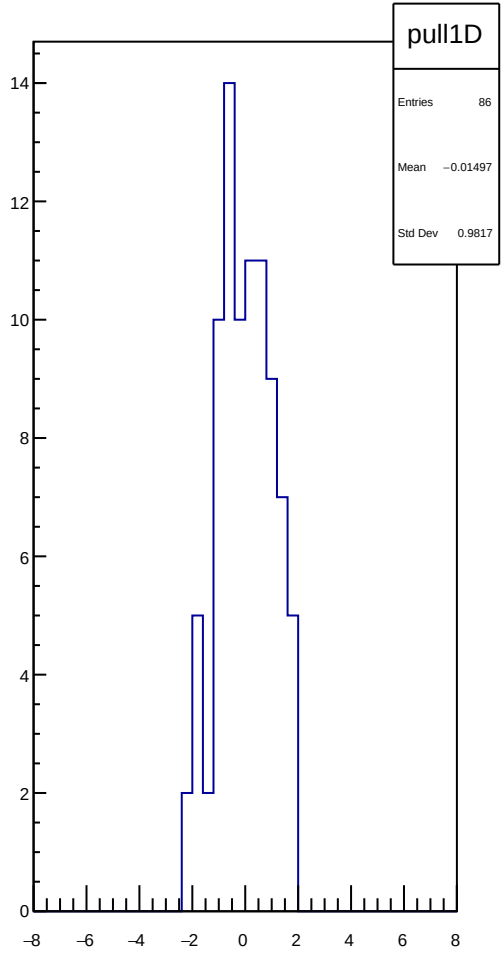


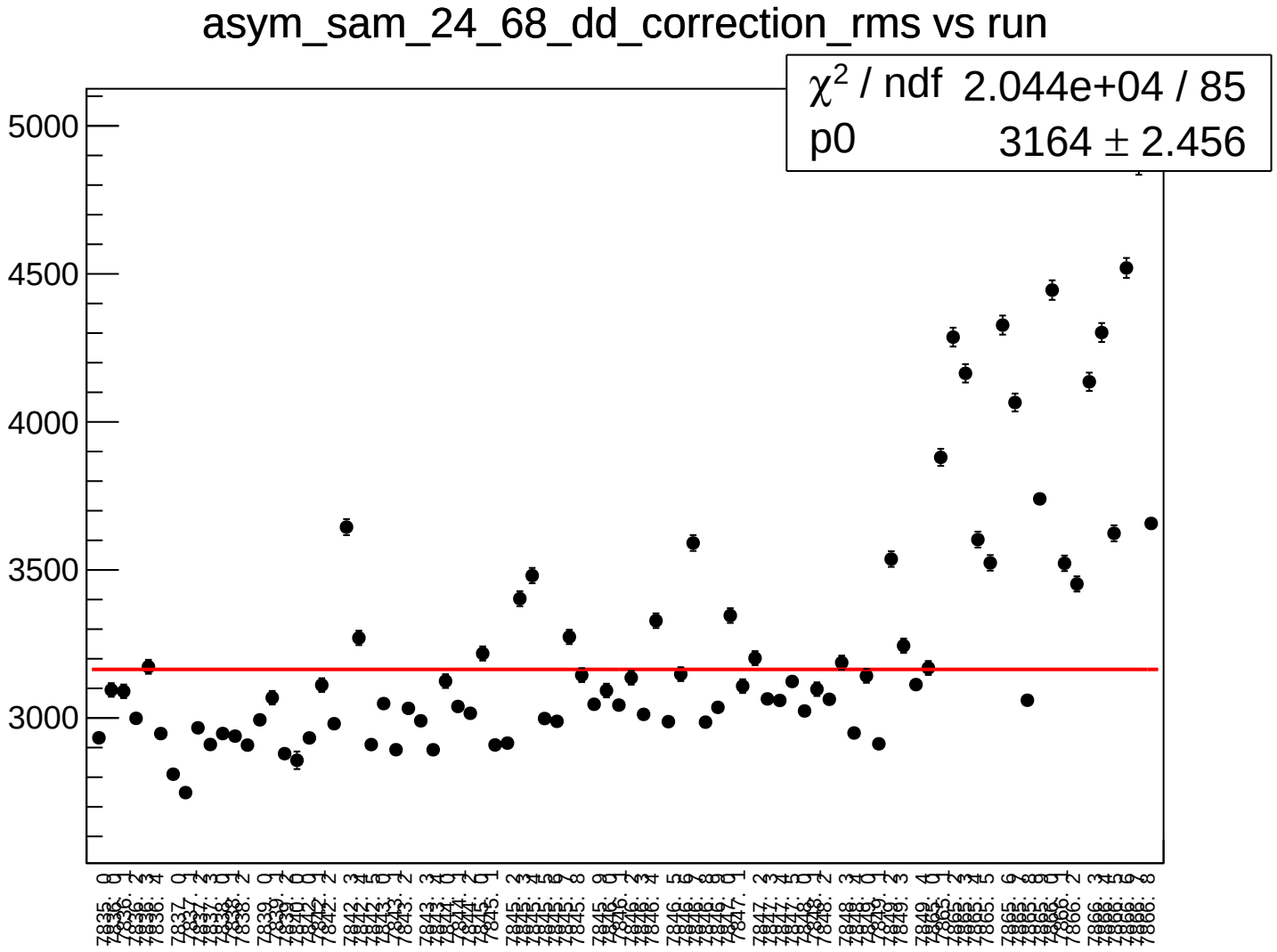

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 71.34 / 85
p0 103.2 ± 164.8
pull
Entries 86
Mean 1655
Std Dev 1615
pull1D
Entries 86
Mean 0.002169
Std Dev 0.9108

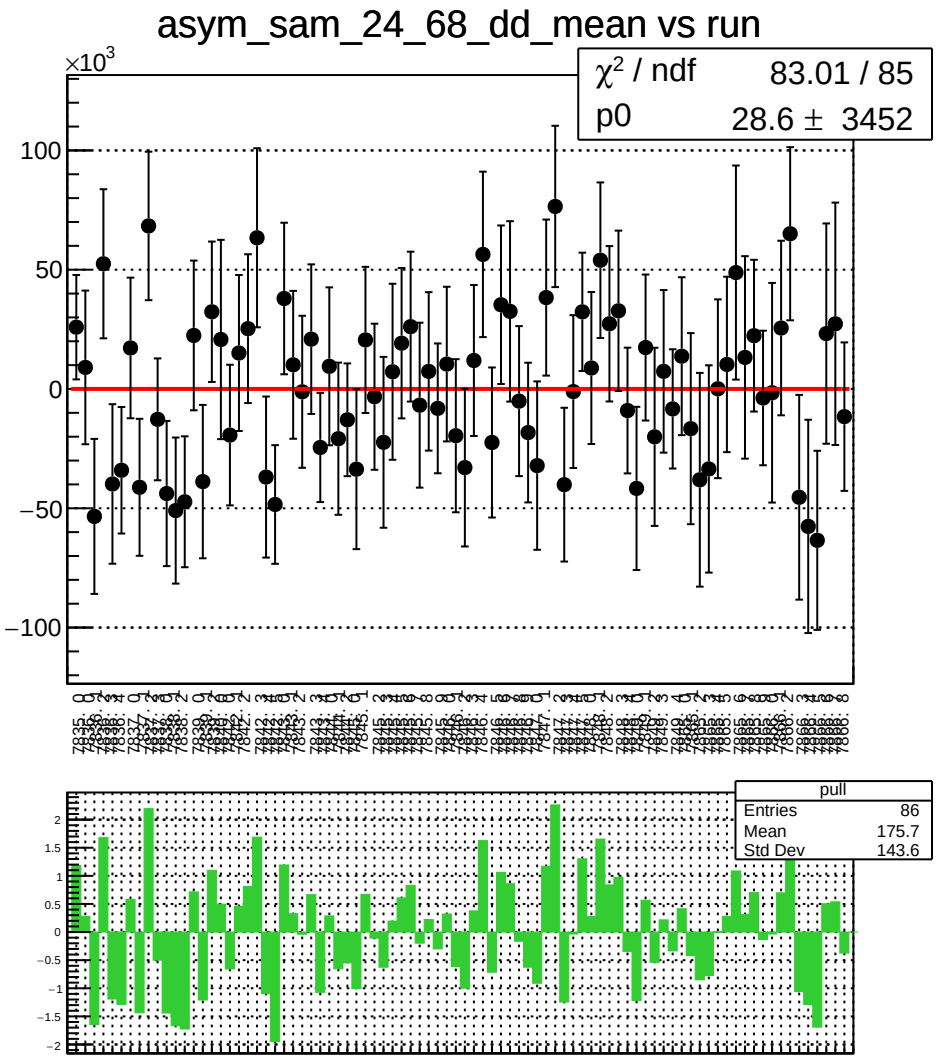
dit_asym_sam_24_68_dd_rms vs run

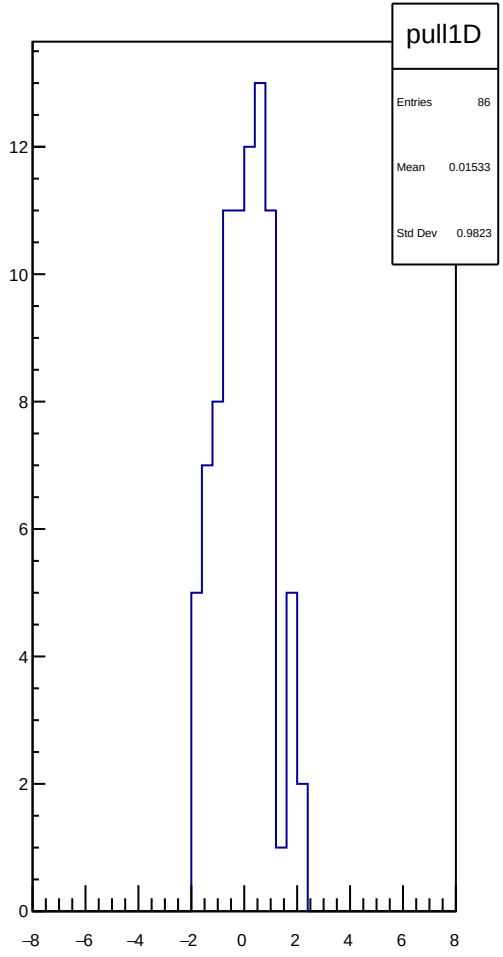



asym_sam_24_68_dd_correction_mean vs run
×10^3
χ² / ndf 82.9 / 85
p0 66.8 ± 3474
pull
Entries 86
Mean 166.3
Std Dev 135.1

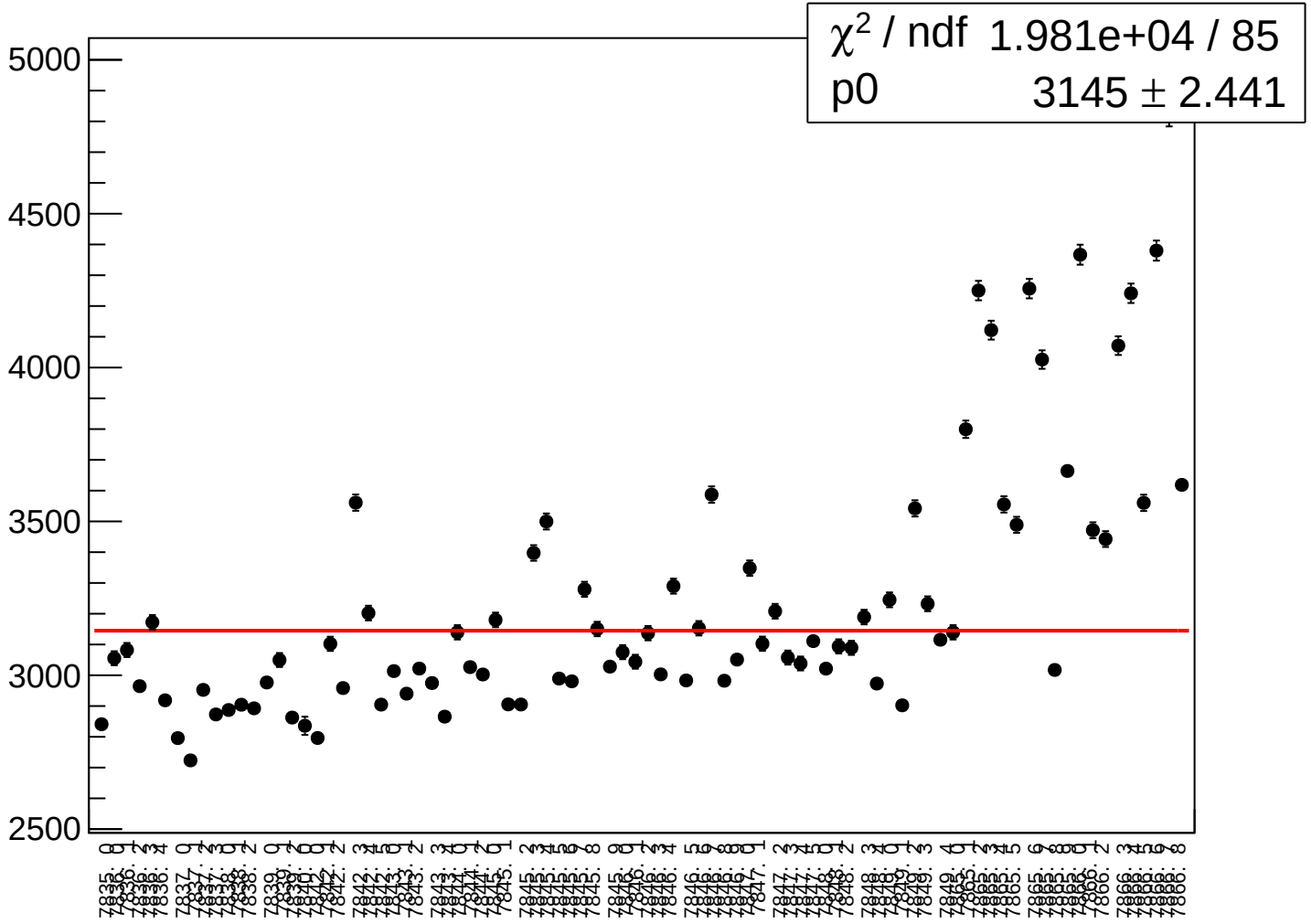

pull1D
Entries 86
Mean −0.01497
Std Dev 0.9817

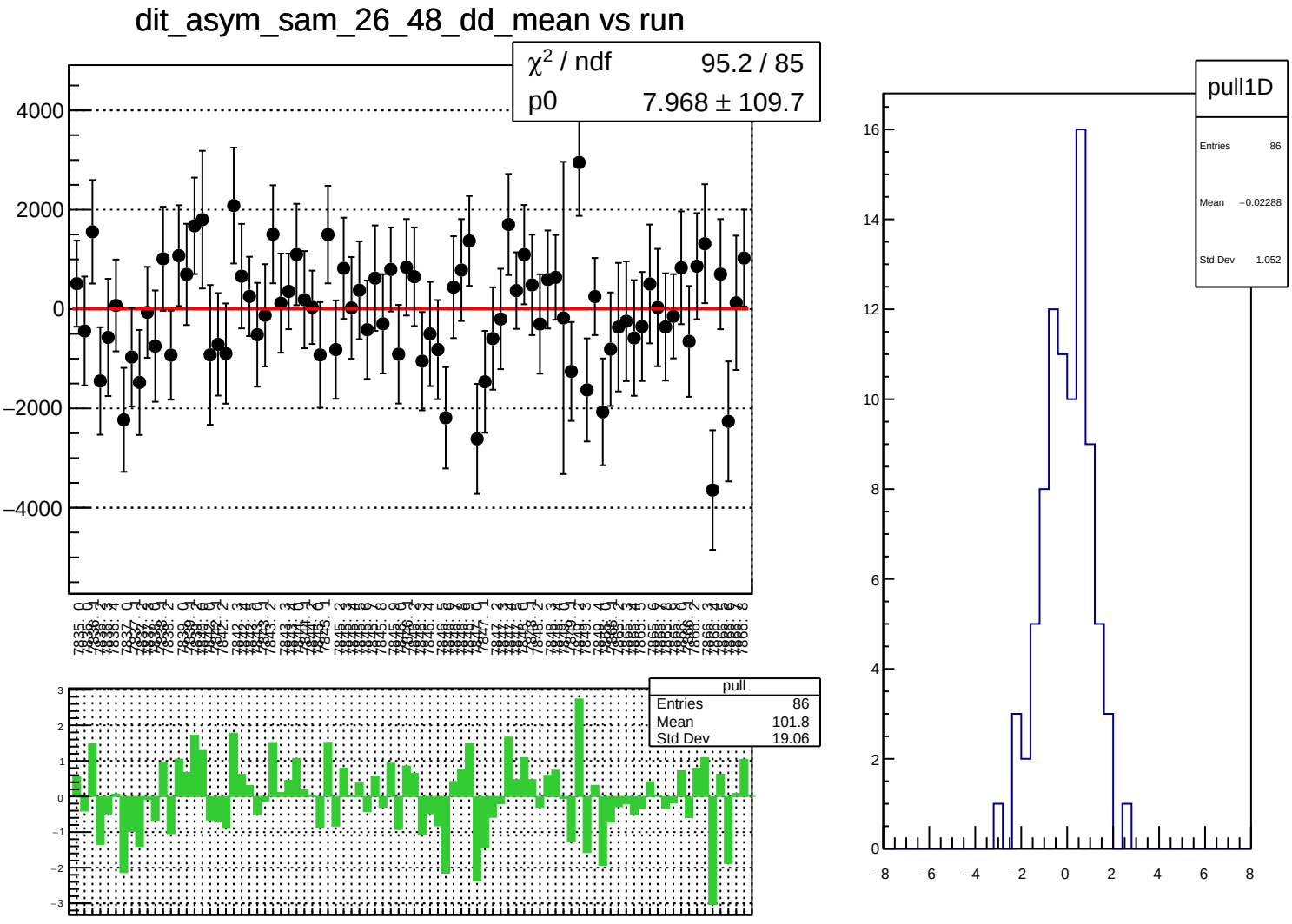

asym_sam_24_68_dd_correction_rms vs run
χ^2 / ndf 2.044e+04 / 85
p0 3164 ± 2.456
5000
4500
4000
3500
3000


asym_sam_24_68_dd_mean vs run
×10^3
χ² / ndf 83.01 / 85
p0 28.6 ± 3452
pull
Entries 86
Mean 175.7
Std Dev 143.6

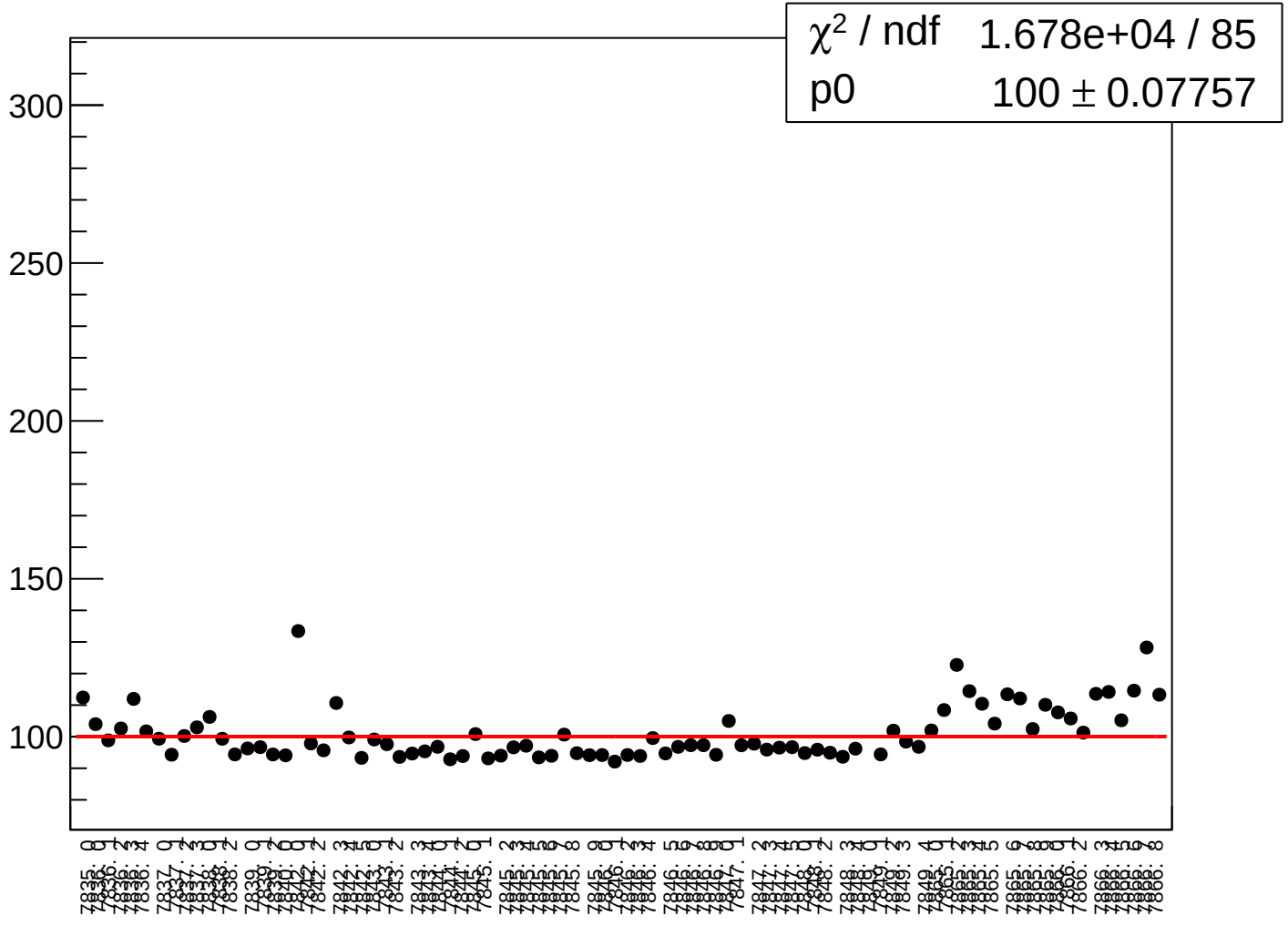

pull1D
Entries 86
Mean 0.01533
Std Dev 0.9823

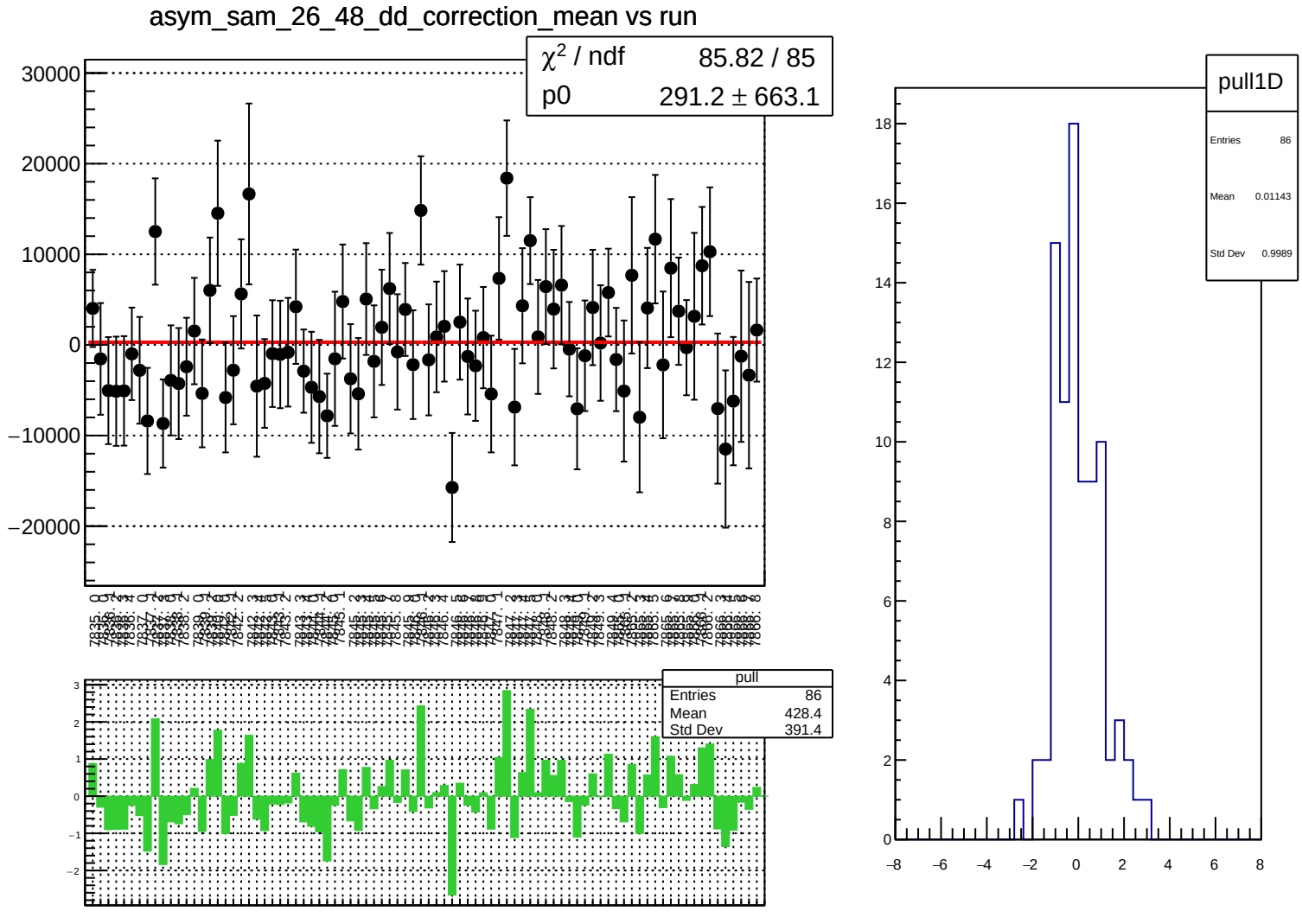
asym_sam_24_68_dd_rms vs run

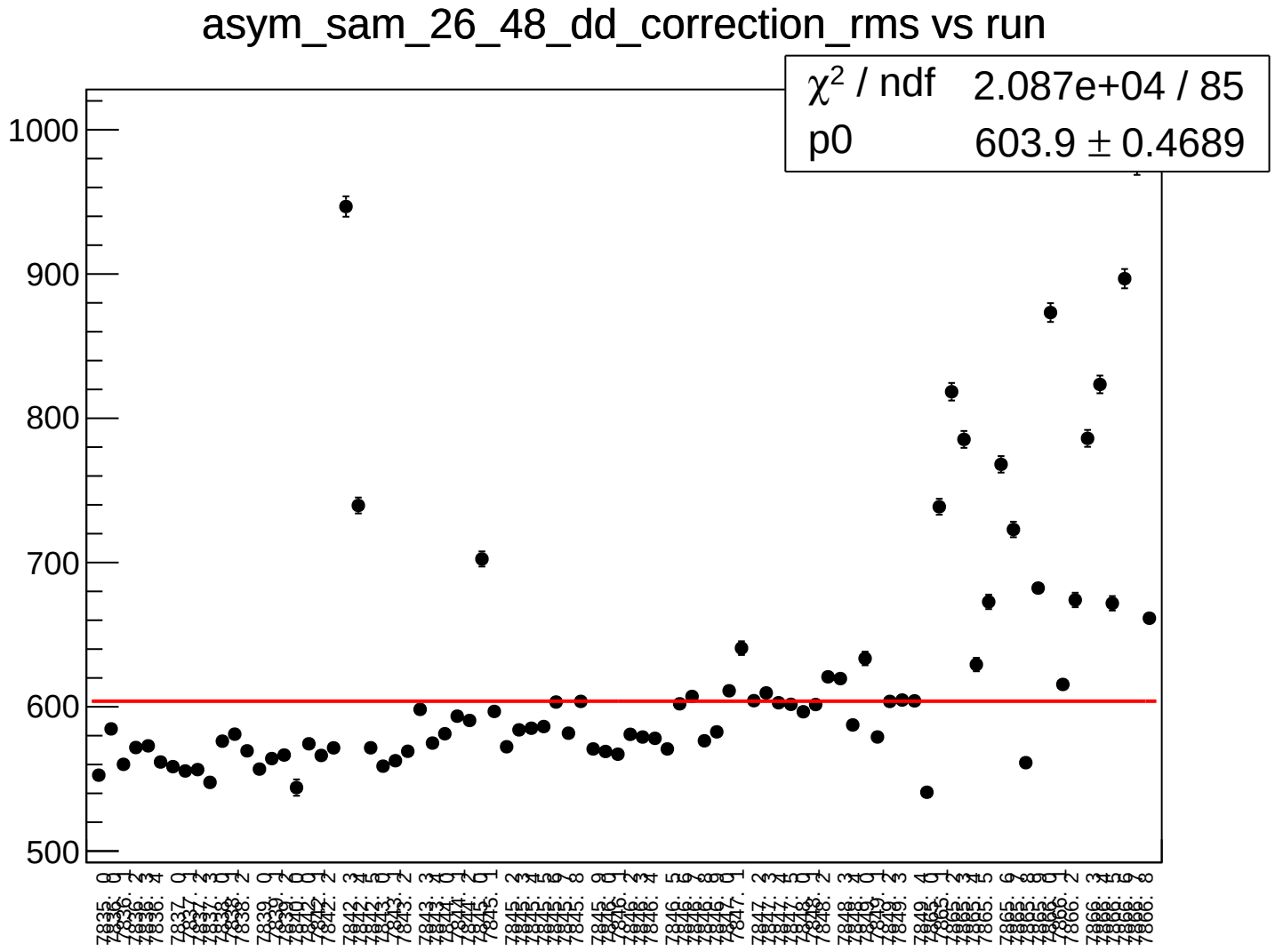


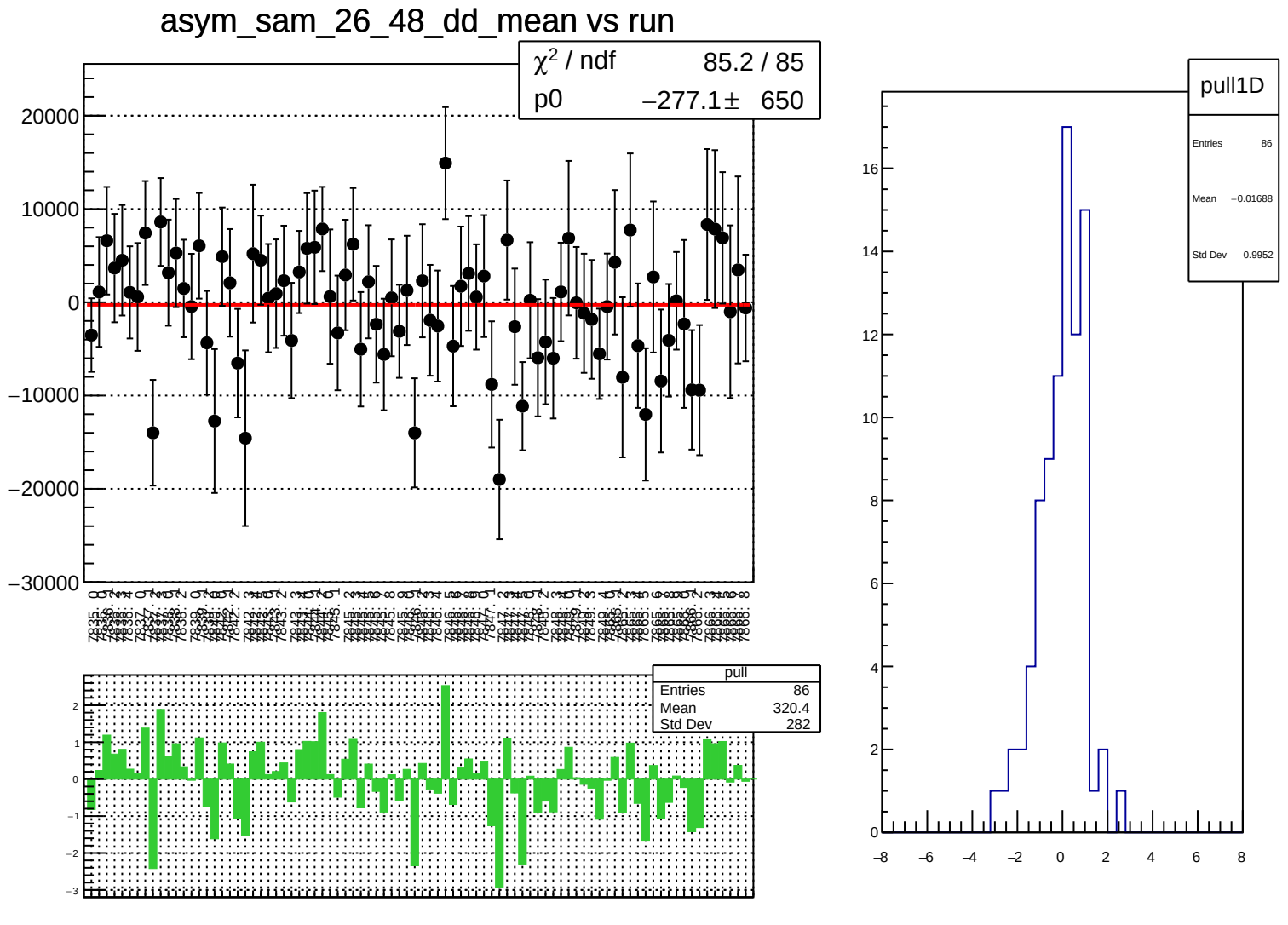

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 95.2 / 85
p0 7.968 ± 109.7
pull
Entries 86
Mean 101.8
Std Dev 19.06
pull1D
Entries 86
Mean −0.02288
Std Dev 1.052

dit_asym_sam_26_48_dd_rms vs run

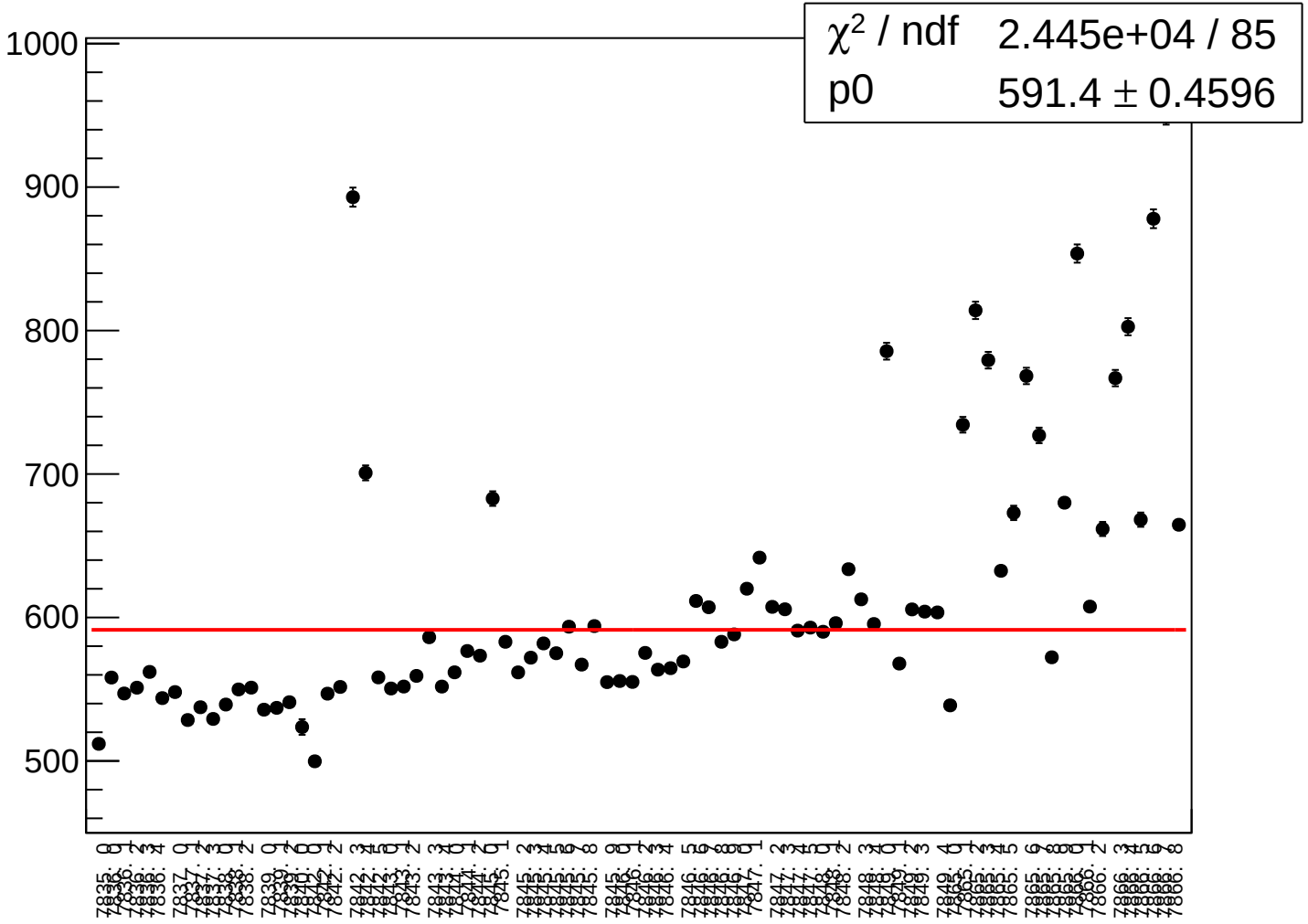


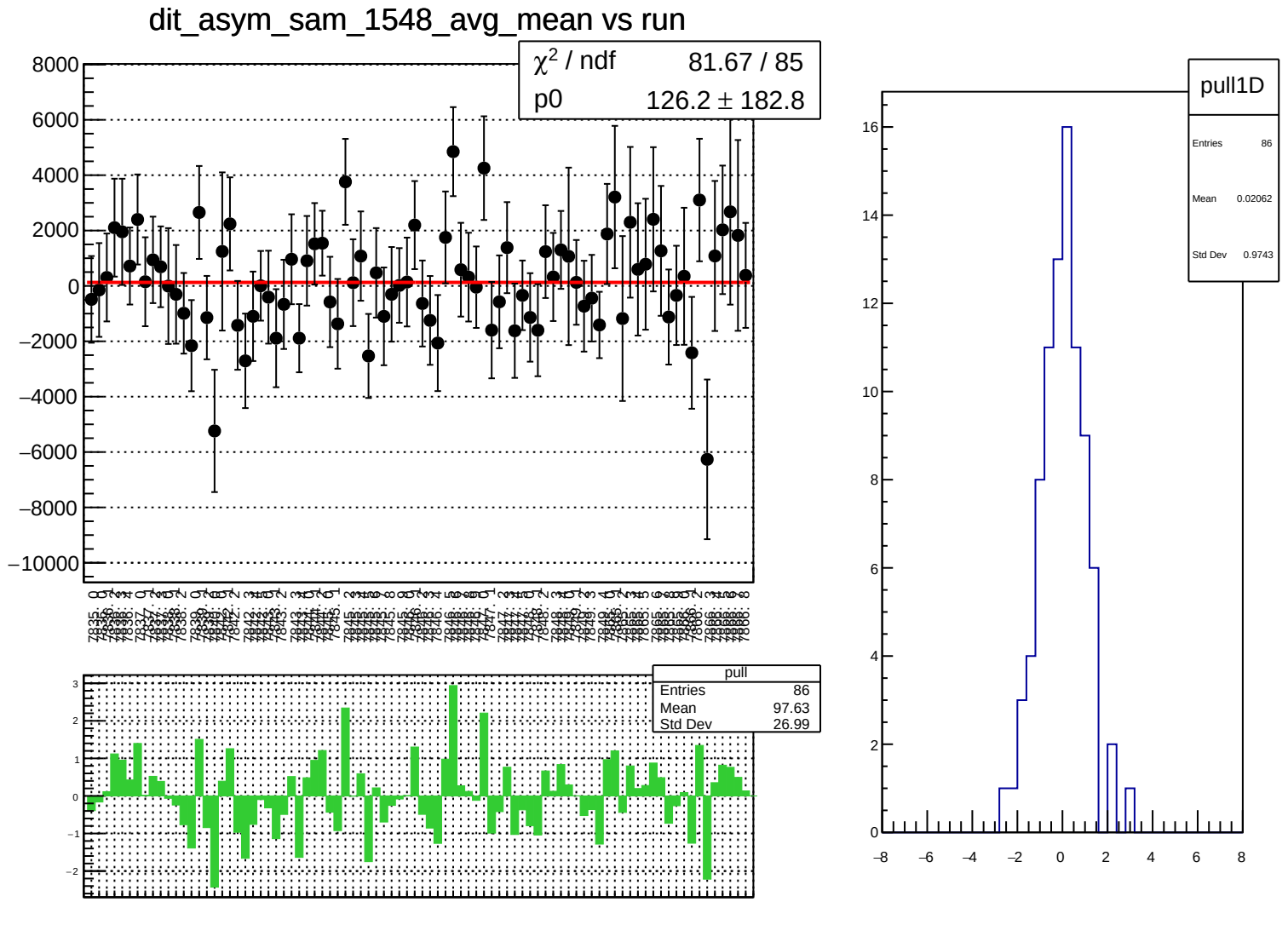

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 85.82 / 85
p0 291.2 ± 663.1
30000
20000
10000
0
−10000
−20000
pull
Entries 86
Mean 428.4
Std Dev 391.4
pull1D
Entries 86
Mean 0.01143
Std Dev 0.9989


asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 2.087e+04 / 85
p0 603.9 ± 0.4689
1000
900
800
700
600
500

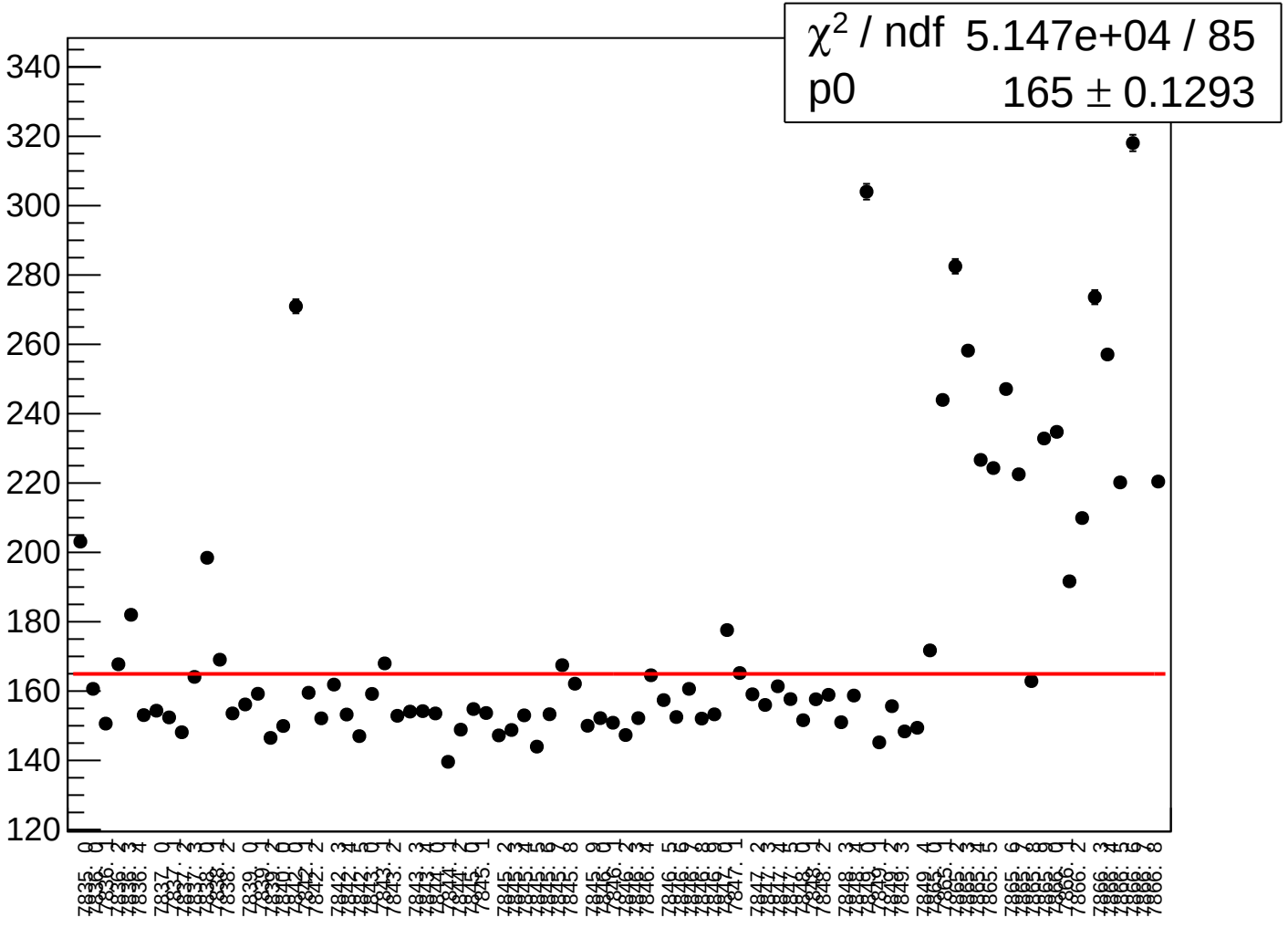

asym_sam_26_48_dd_mean vs run
χ² / ndf 85.2 / 85
p0 −277.1± 650
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 320.4
Std Dev 282
2
1
0
−1
−2
−3
pull1D
Entries 86
Mean −0.01688
Std Dev 0.9952
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

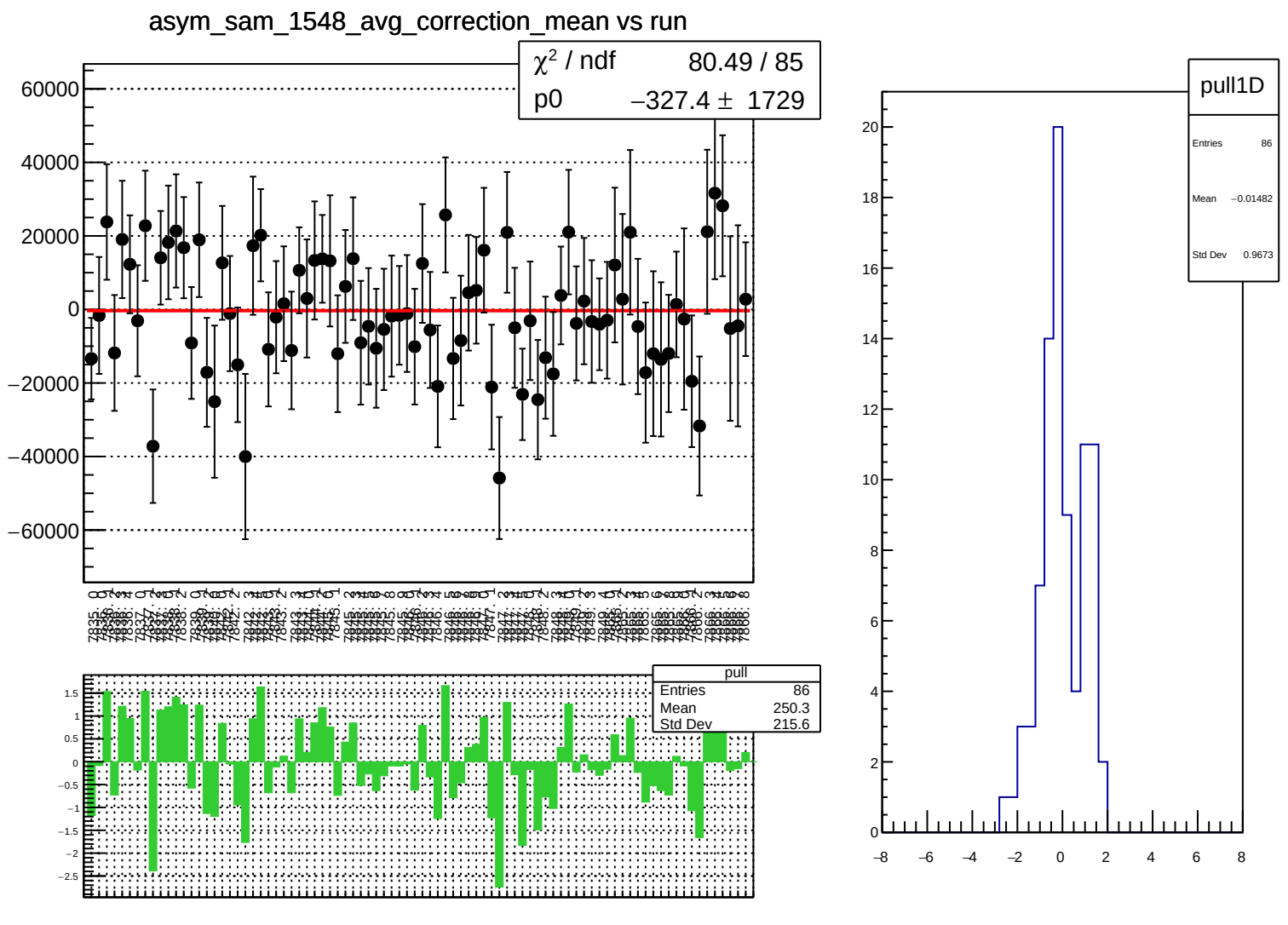
asym_sam_26_48_dd_rms vs run



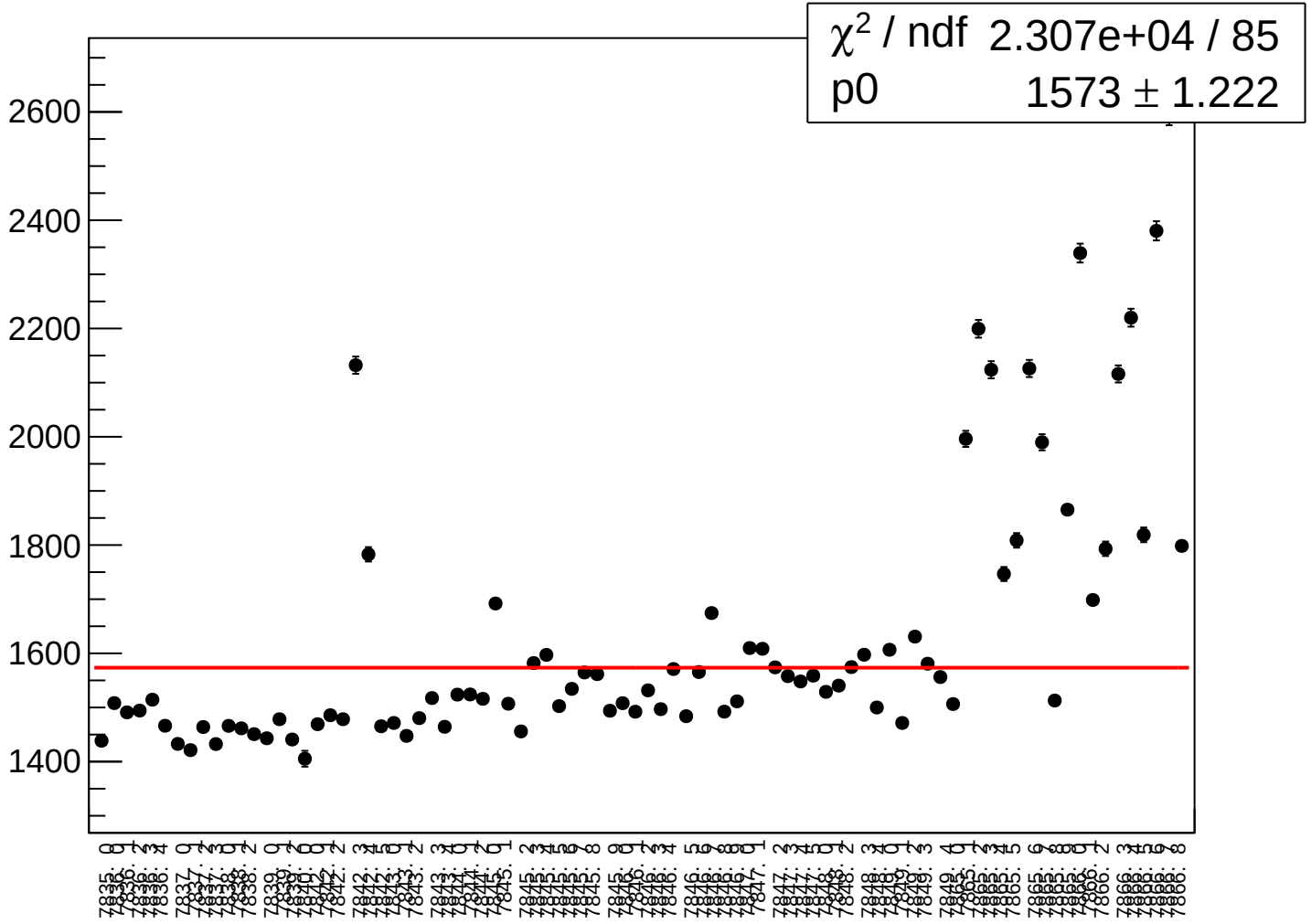

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 81.67 / 85
p0 126.2 ± 182.8
pull
Entries 86
Mean 97.63
Std Dev 26.99
pull1D
Entries 86
Mean 0.02062
Std Dev 0.9743

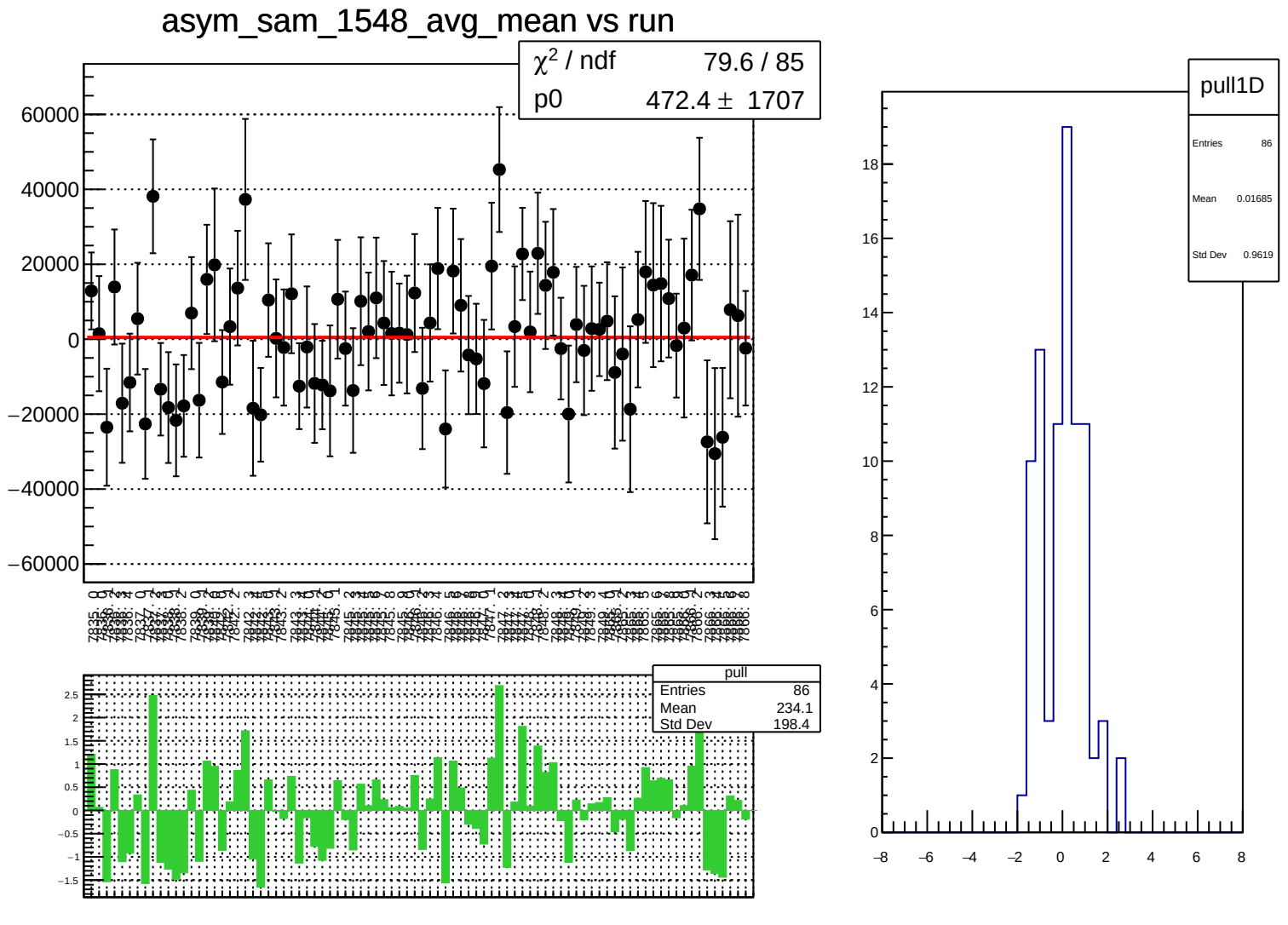
dit_asym_sam_1548_avg_rms vs run



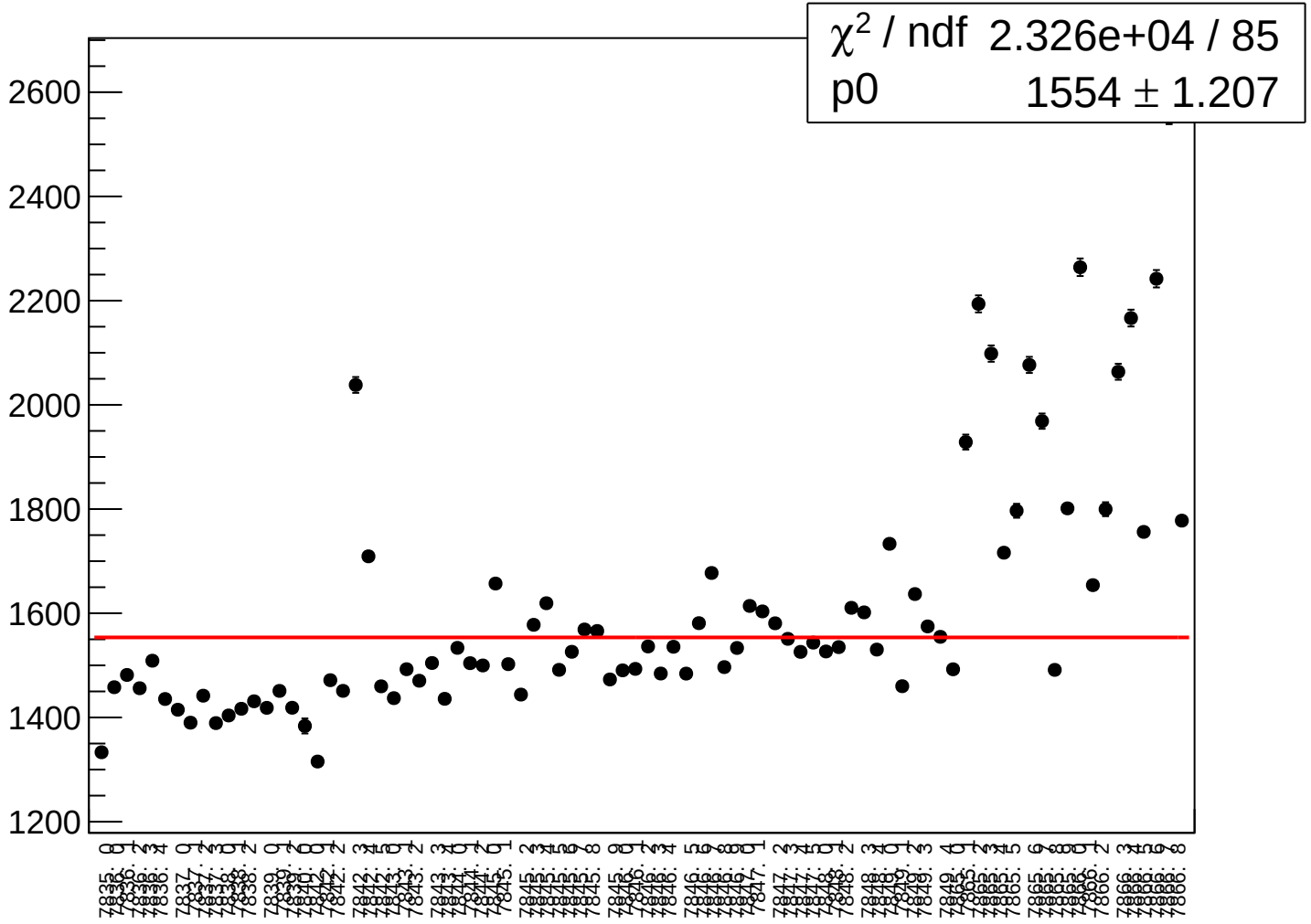

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 80.49 / 85
p0 −327.4 ± 1729
pull
Entries 86
Mean 250.3
Std Dev 215.6
pull1D
Entries 86
Mean −0.01482
Std Dev 0.9673

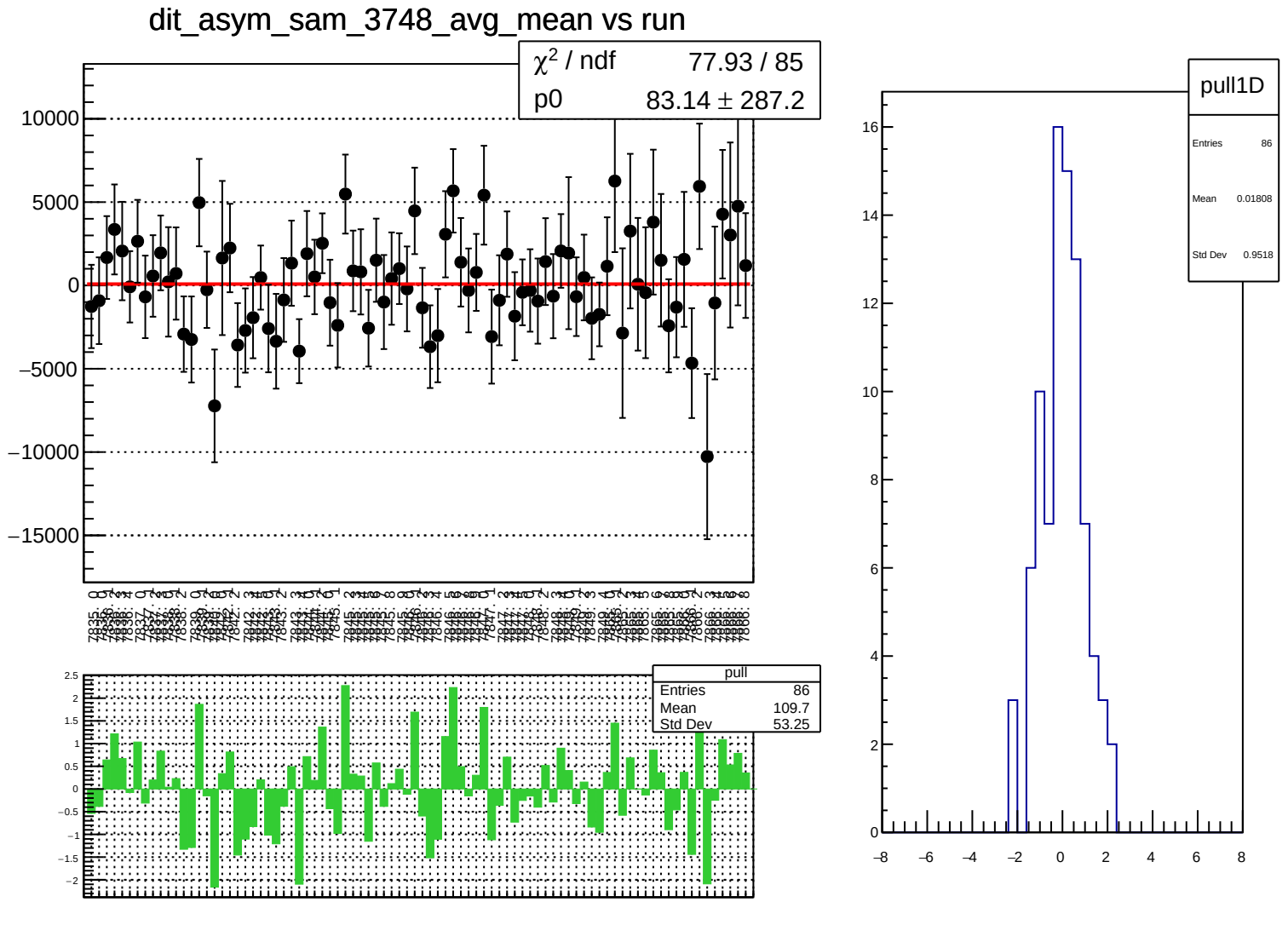
asym_sam_1548_avg_correction_rms vs run



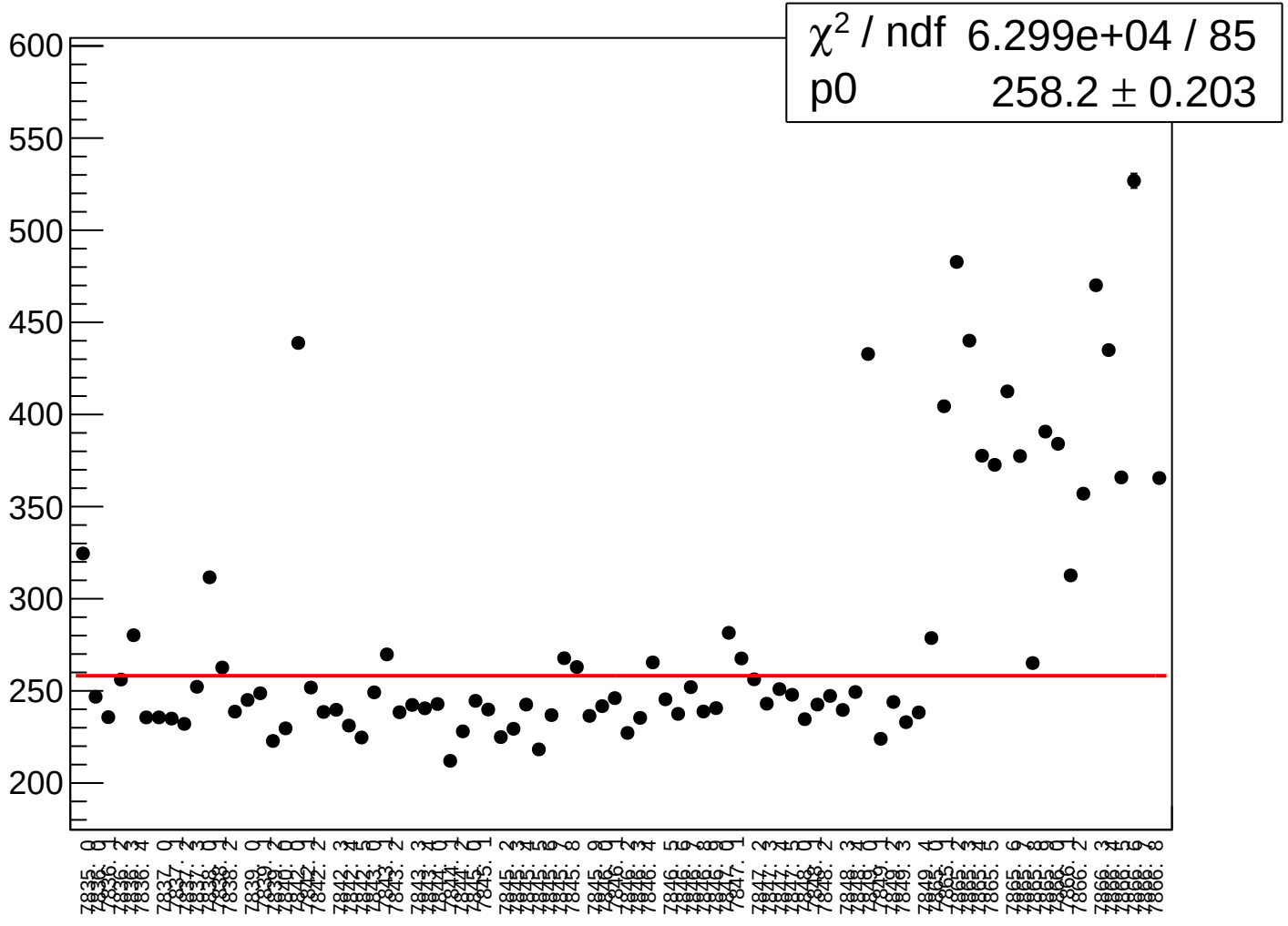

asym_sam_1548_avg_mean vs run
χ² / ndf 79.6 / 85
p0 472.4 ± 1707
pull
Entries 86
Mean 234.1
Std Dev 198.4
pull1D
Entries 86
Mean 0.01685
Std Dev 0.9619

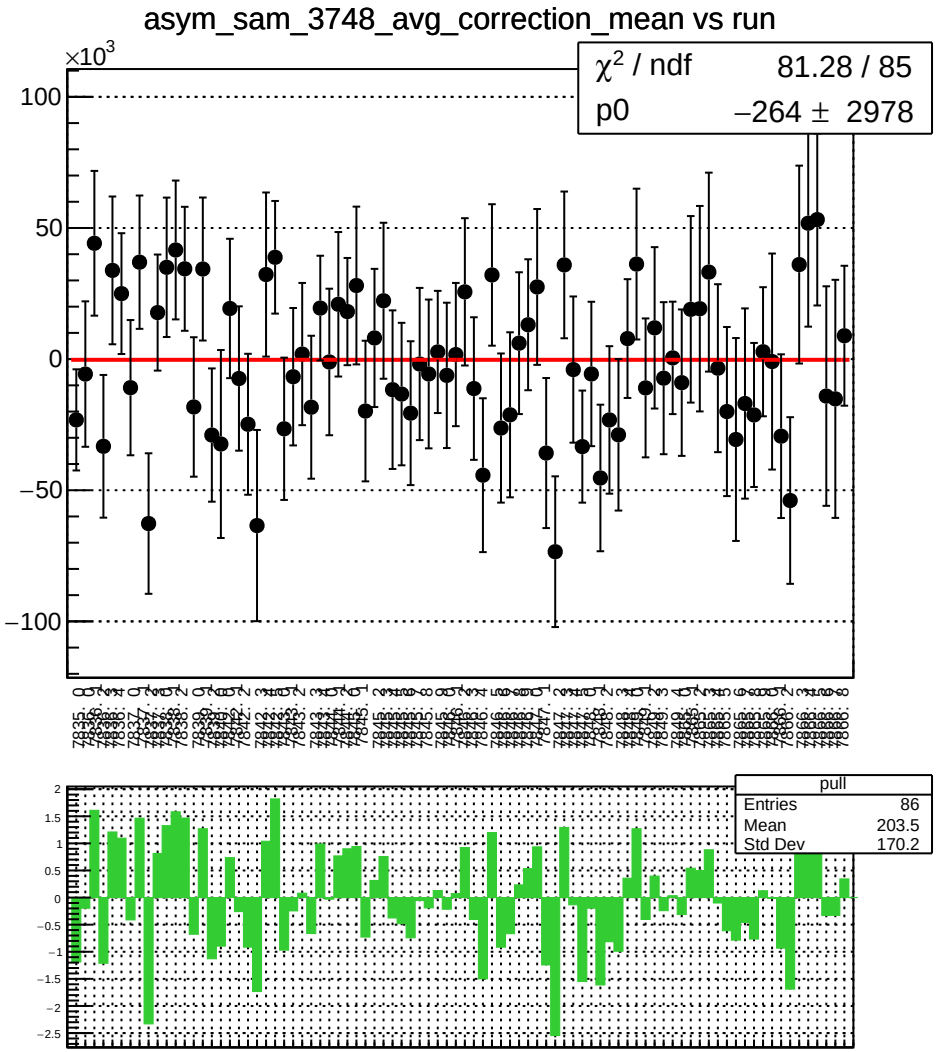
asym_sam_1548_avg_rms vs run

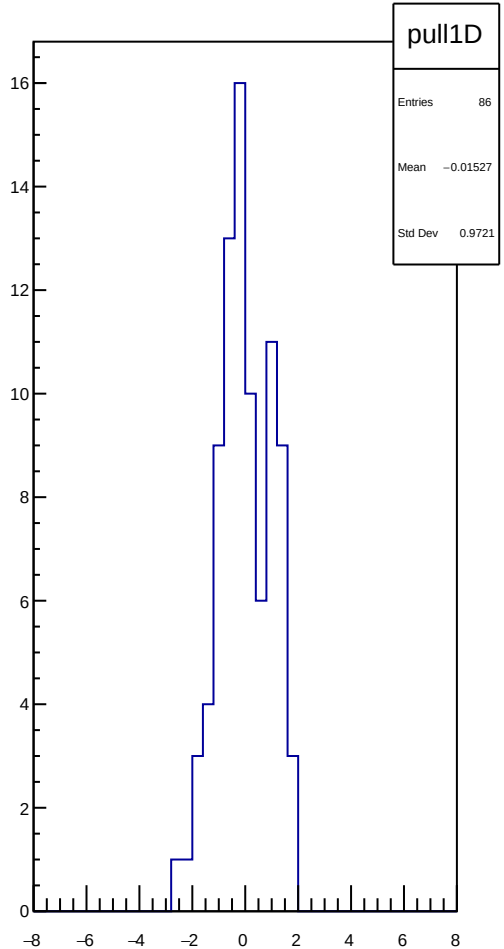



dit_asym_sam_3748_avg_mean vs run
χ² / ndf 77.93 / 85
p0 83.14 ± 287.2
pull
Entries 86
Mean 109.7
Std Dev 53.25
pull1D
Entries 86
Mean 0.01808
Std Dev 0.9518

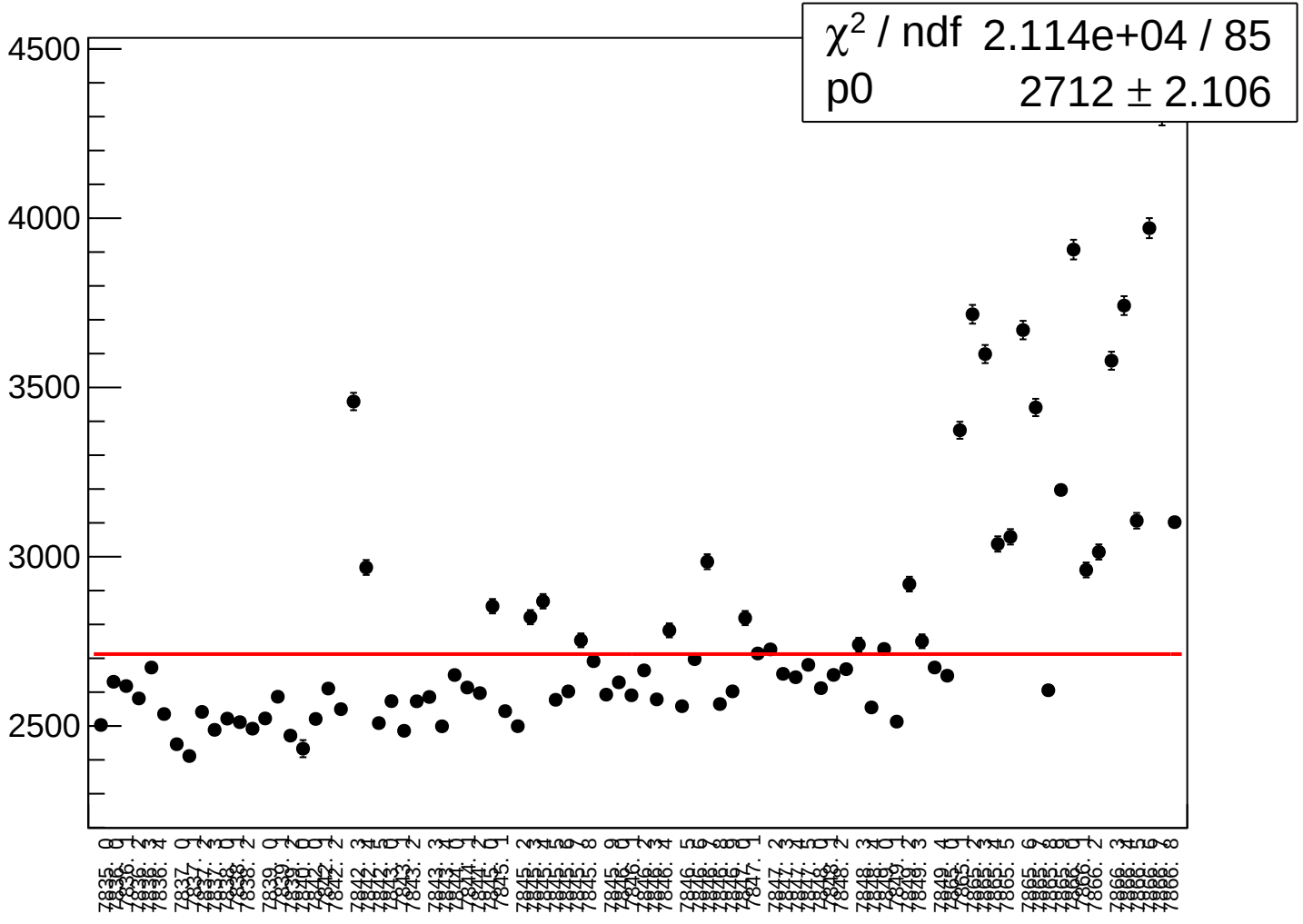
dit_asym_sam_3748_avg_rms vs run

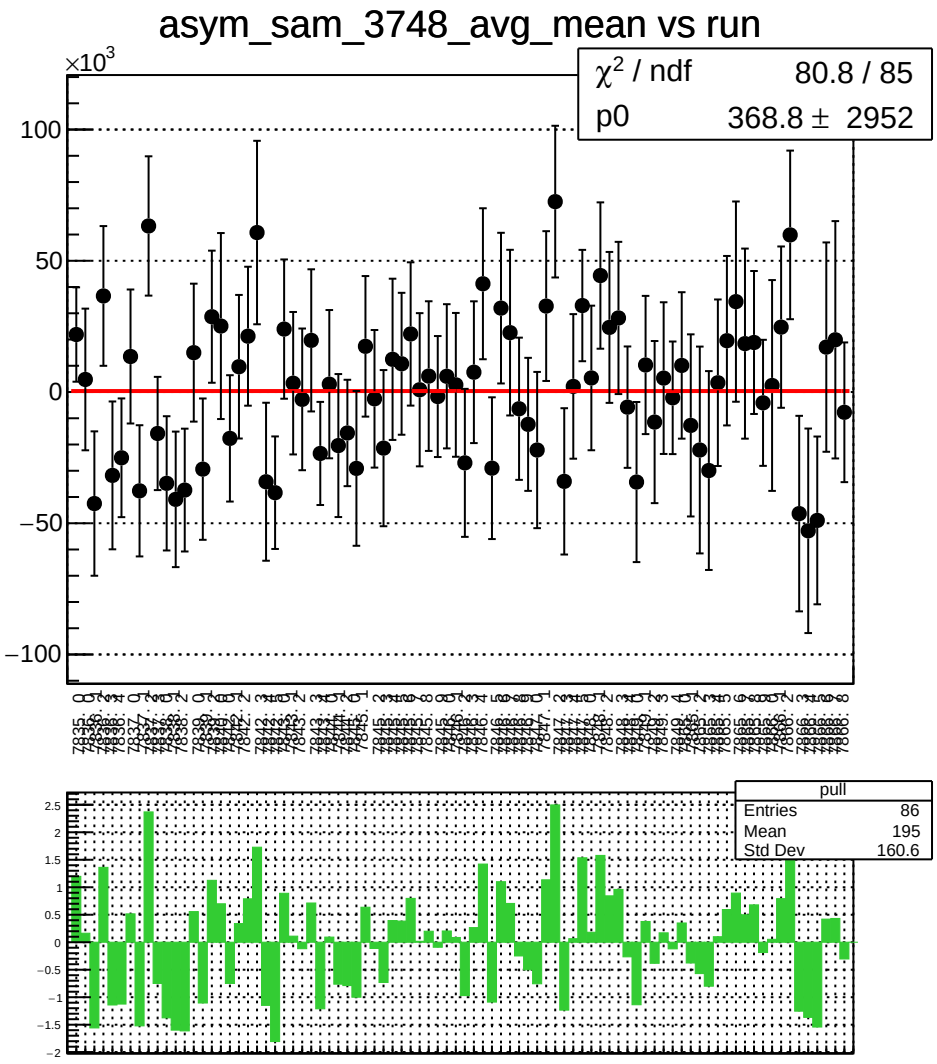


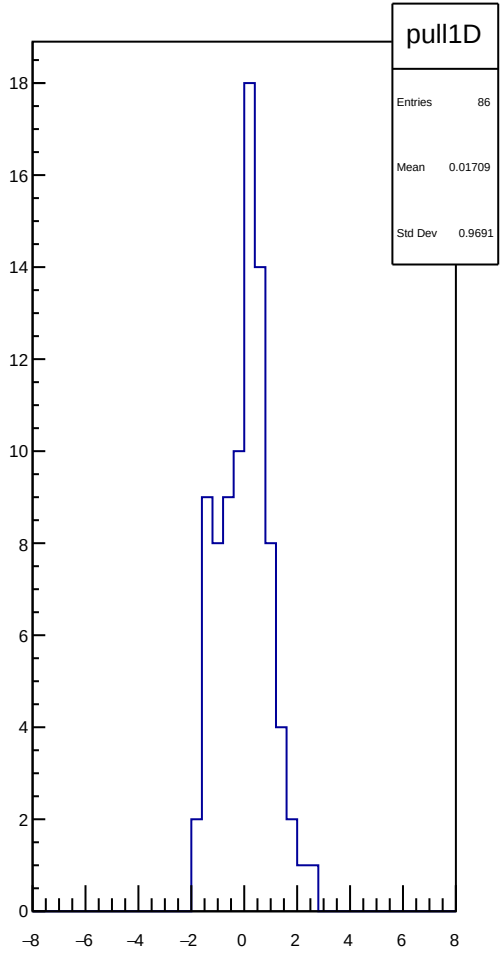

asym_sam_3748_avg_correction_mean vs run
×10^3
χ² / ndf 81.28 / 85
p0 −264 ± 2978
pull
Entries 86
Mean 203.5
Std Dev 170.2


pull1D
Entries 86
Mean −0.01527
Std Dev 0.9721

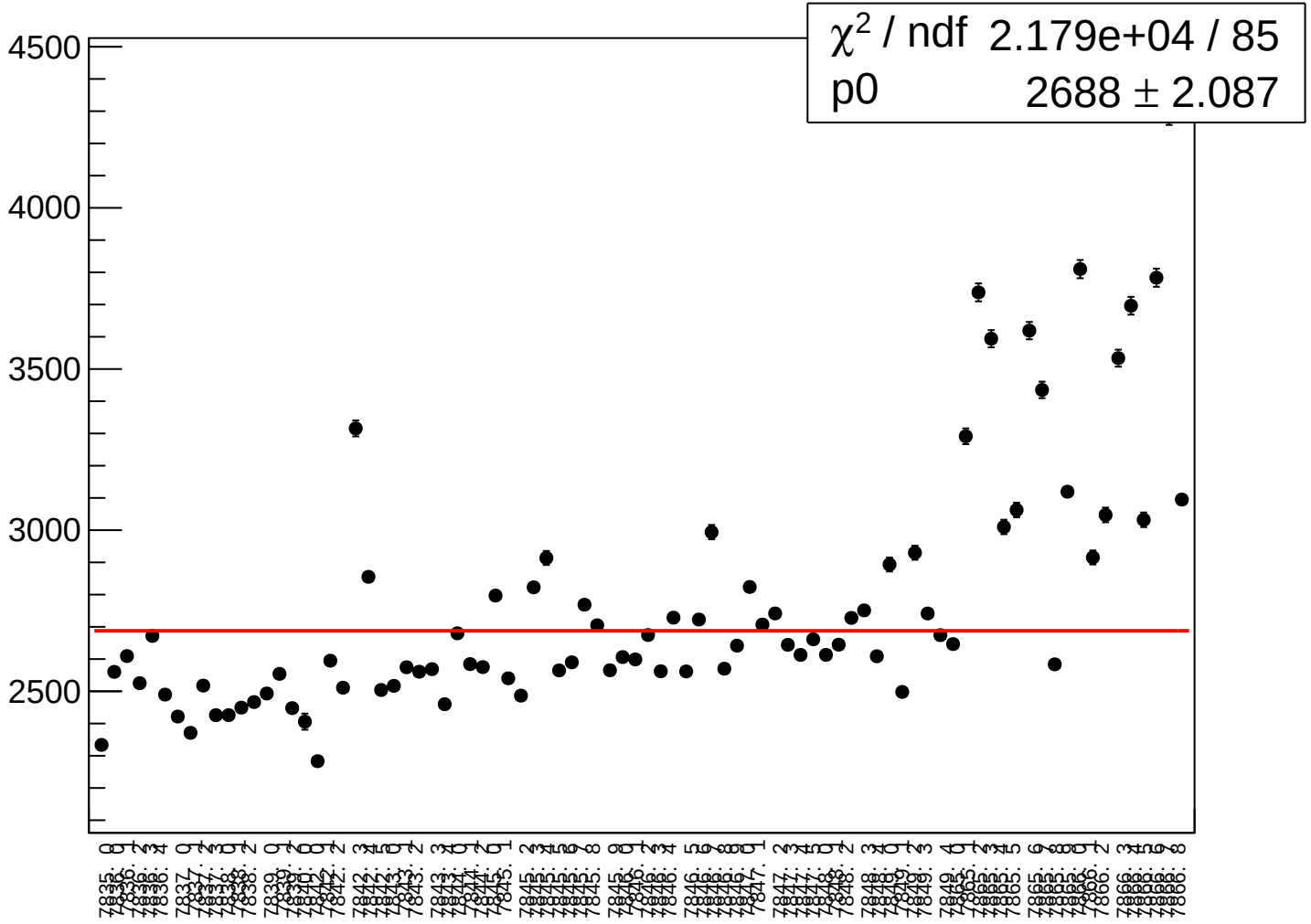
asym_sam_3748_avg_correction_rms vs run

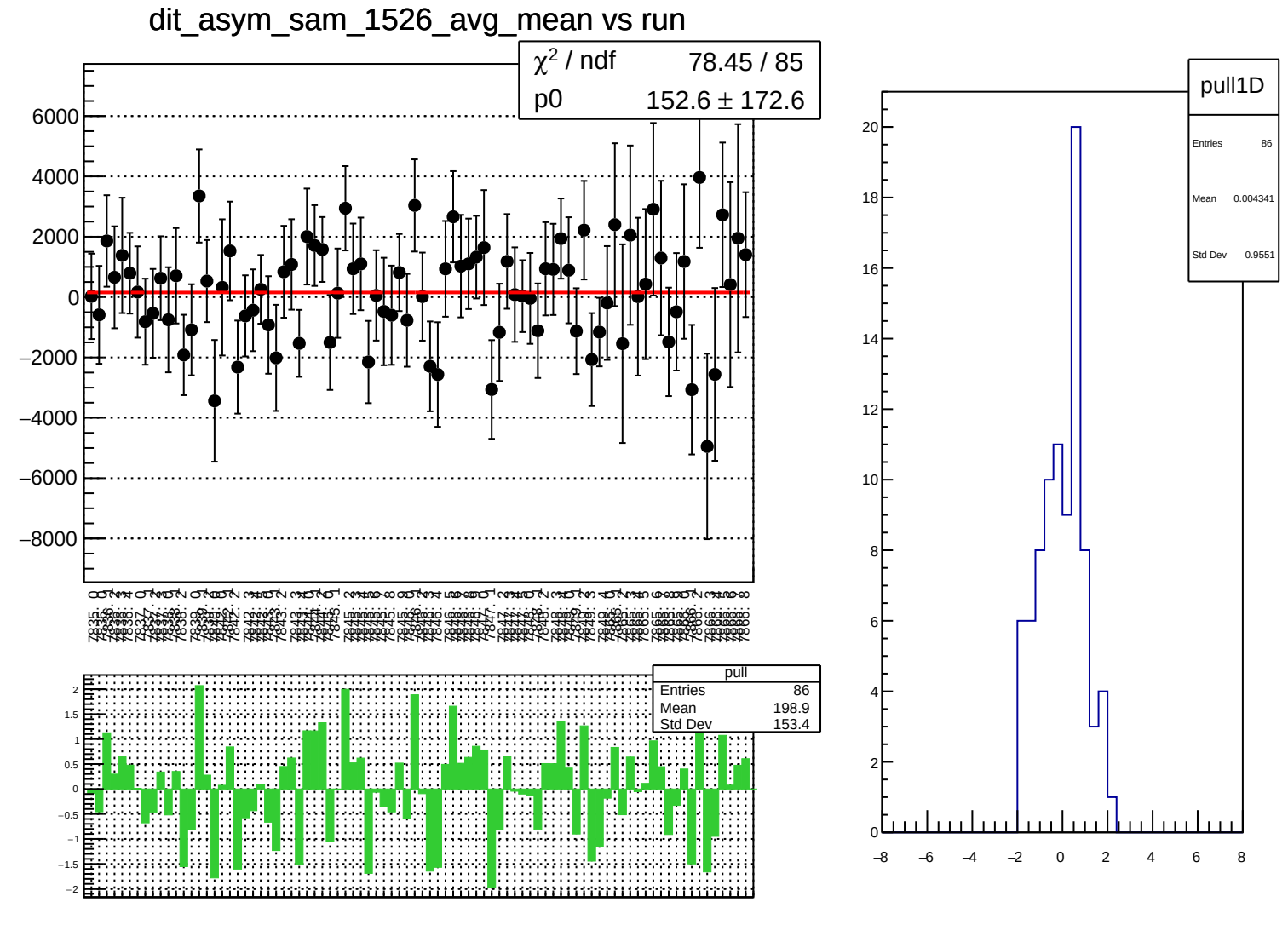



asym_sam_3748_avg_mean vs run
×10^3
χ² / ndf 80.8 / 85
p0 368.8 ± 2952
pull
Entries 86
Mean 195
Std Dev 160.6

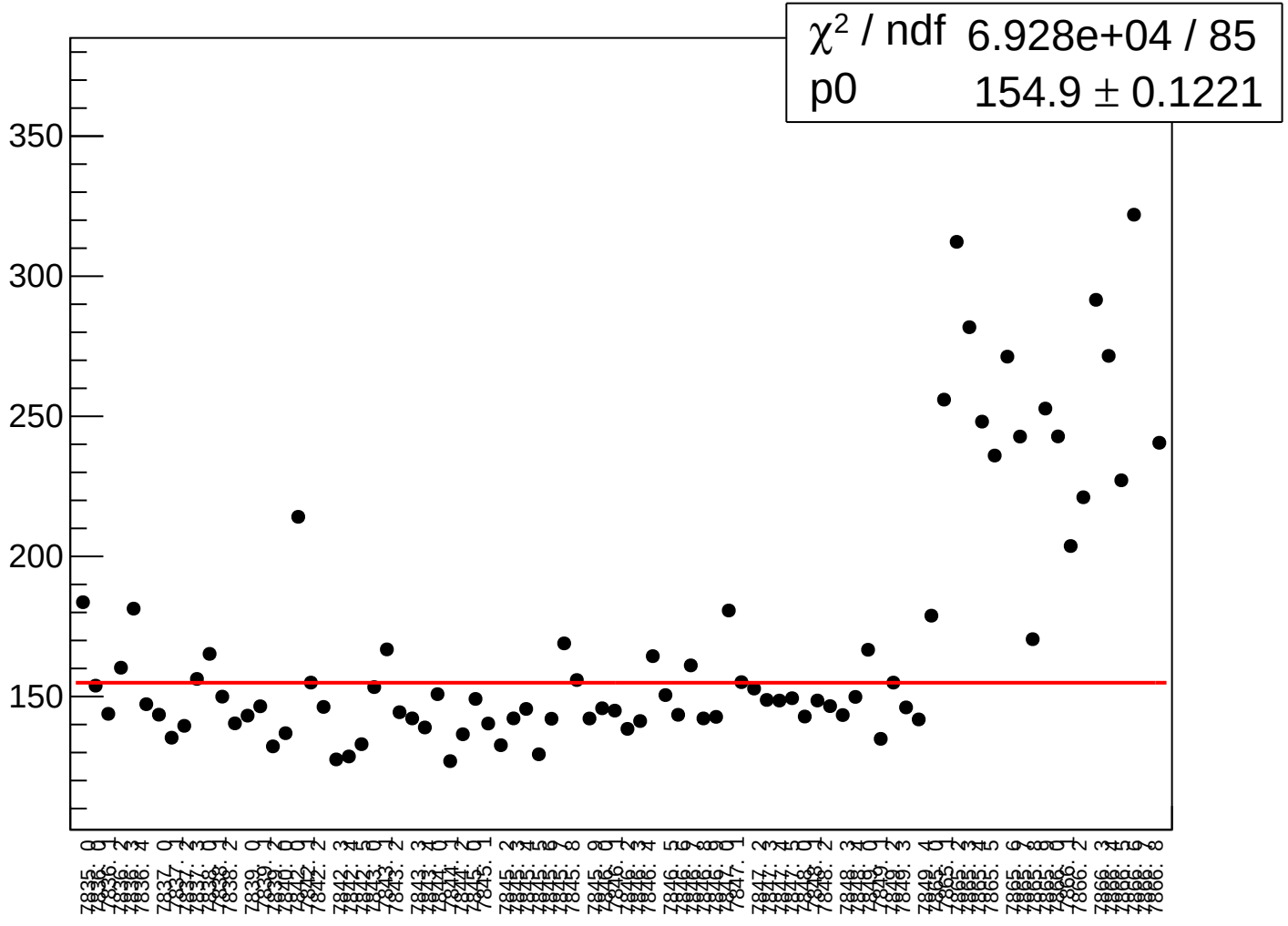

pull1D
Entries 86
Mean 0.01709
Std Dev 0.9691

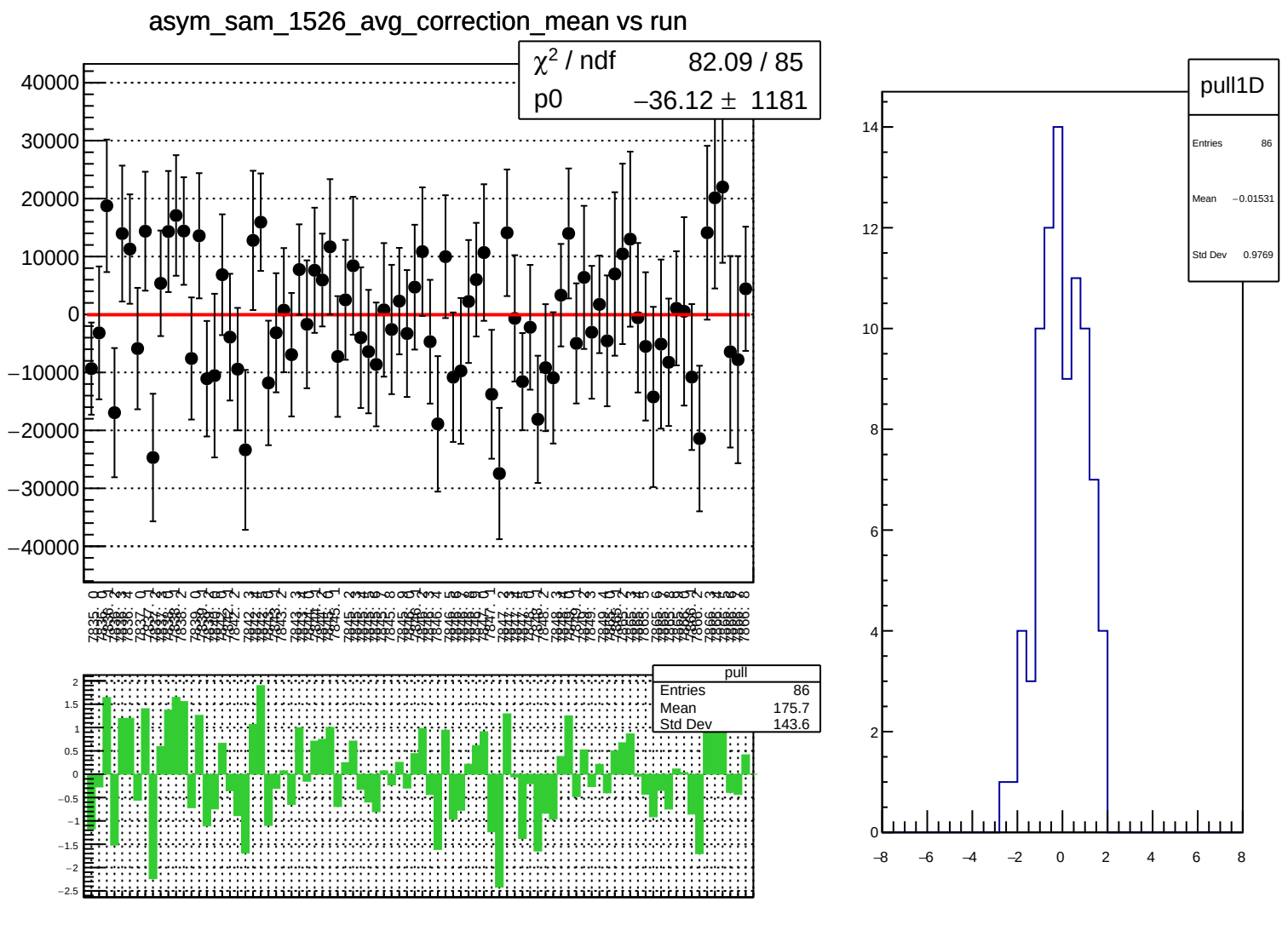
asym_sam_3748_avg_rms vs run



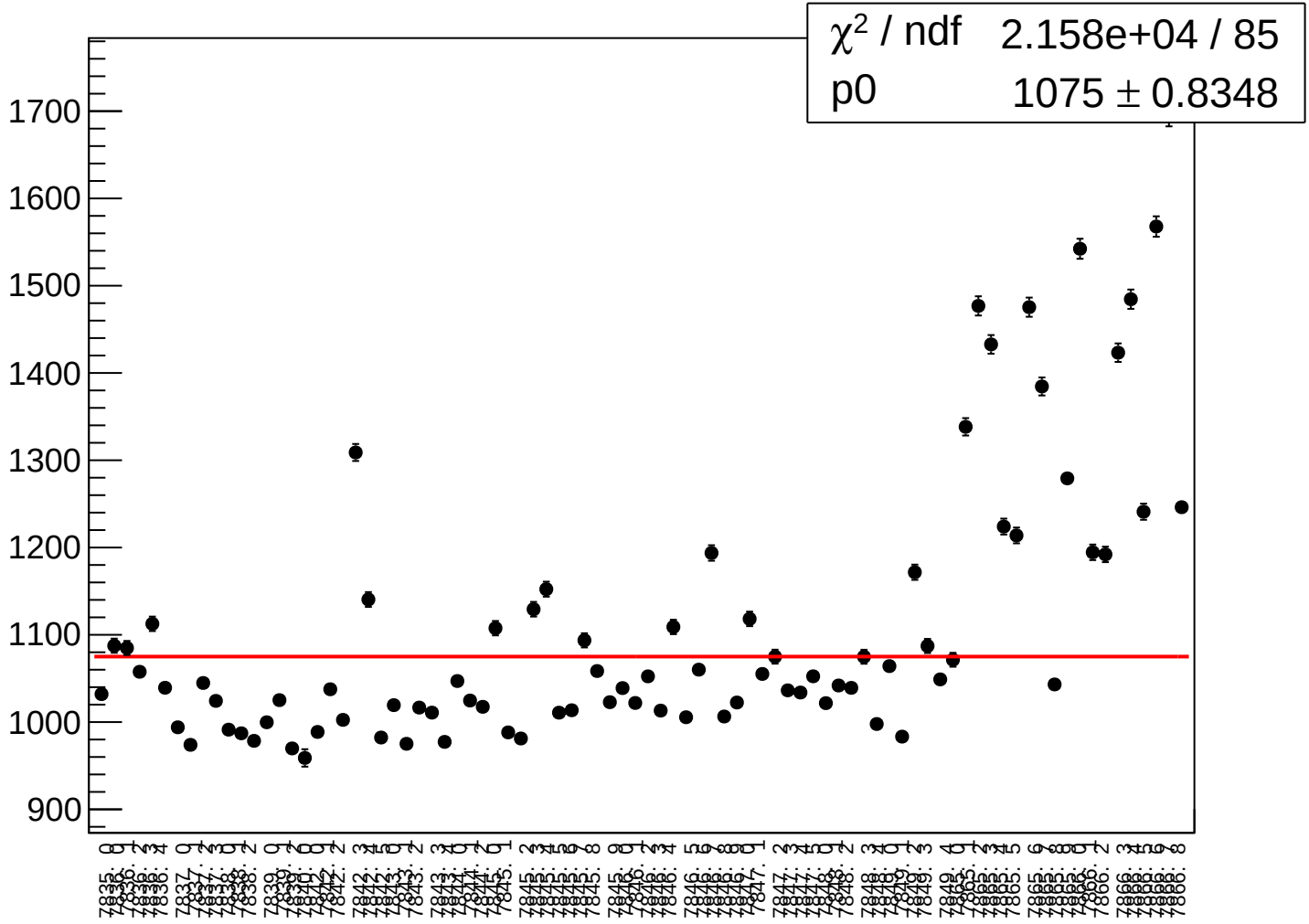

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 78.45 / 85
p0 152.6 ± 172.6
pull
Entries 86
Mean 198.9
Std Dev 153.4
pull1D
Entries 86
Mean 0.004341
Std Dev 0.9551

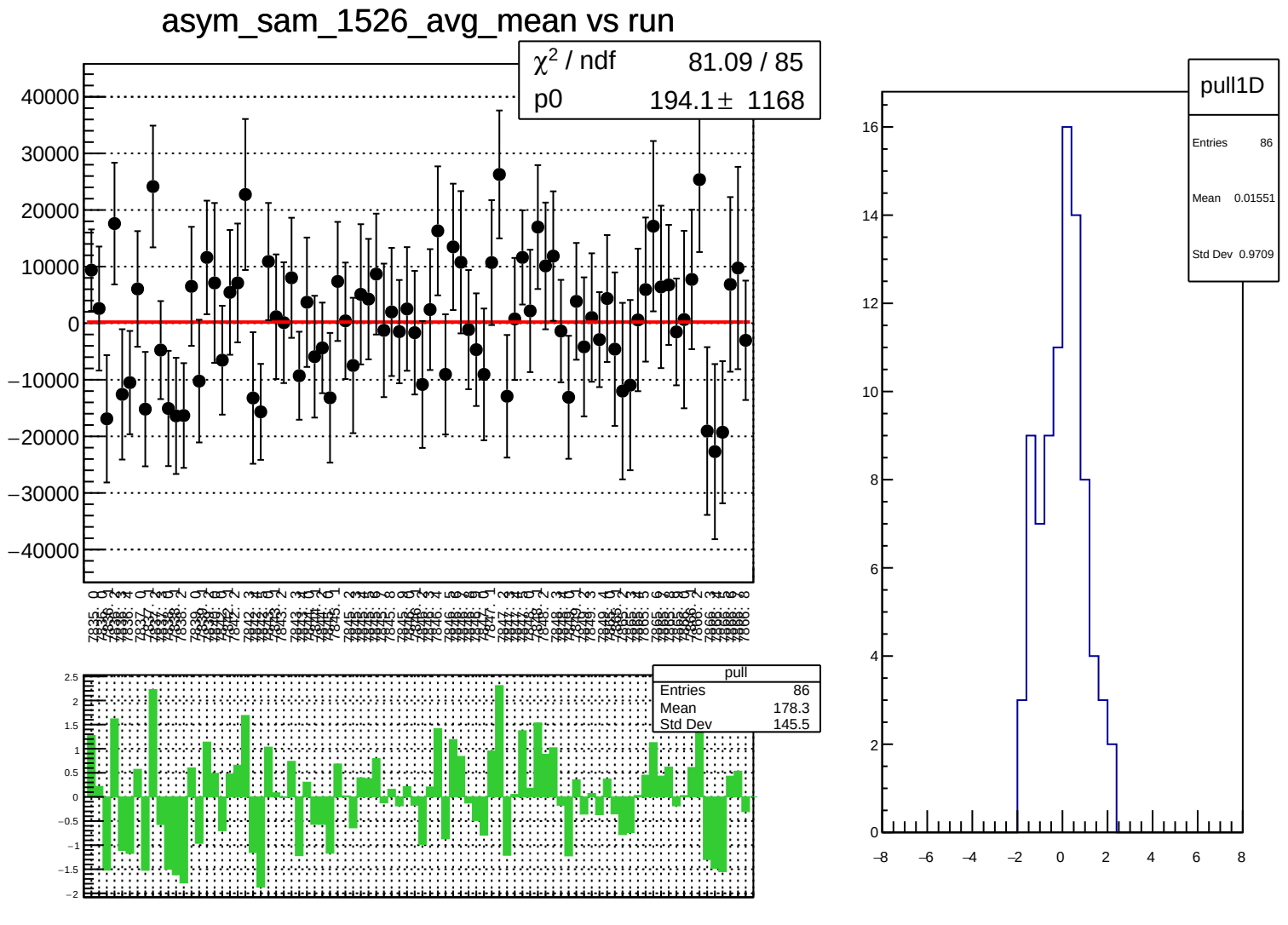
dit_asym_sam_1526_avg_rms vs run



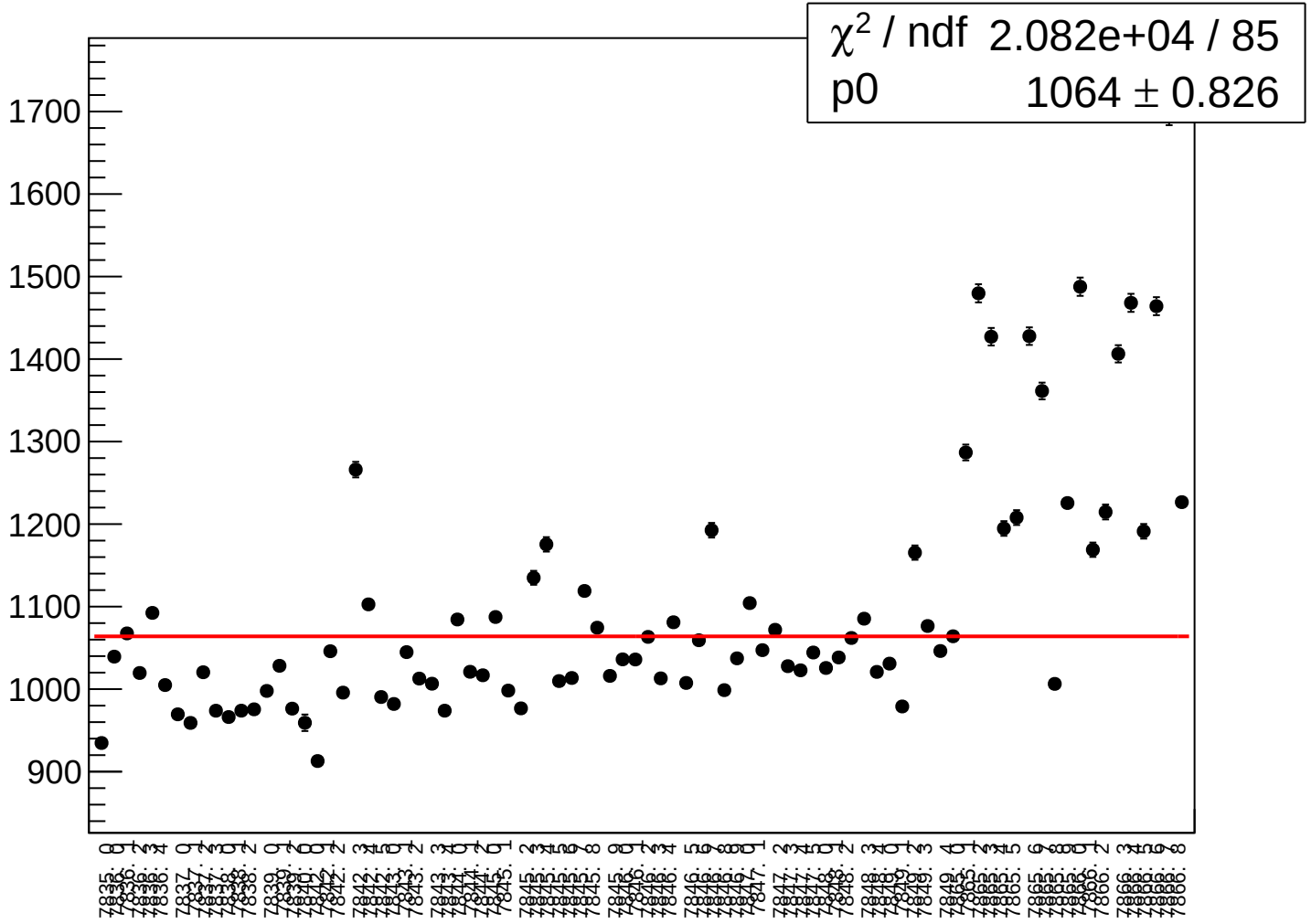

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 82.09 / 85
p0 −36.12 ± 1181
pull
Entries 86
Mean 175.7
Std Dev 143.6
pull1D
Entries 86
Mean −0.01531
Std Dev 0.9769

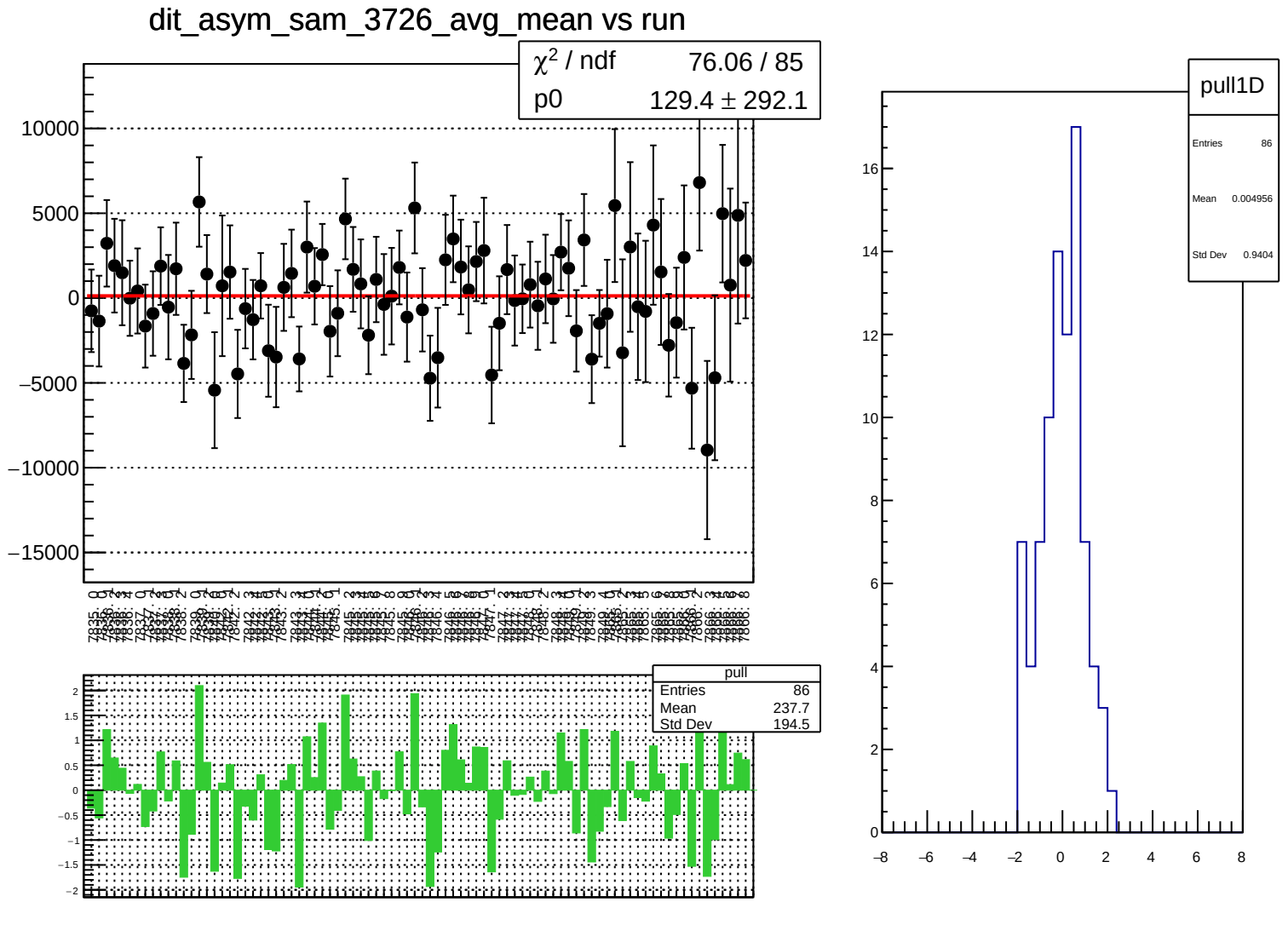
asym_sam_1526_avg_correction_rms vs run



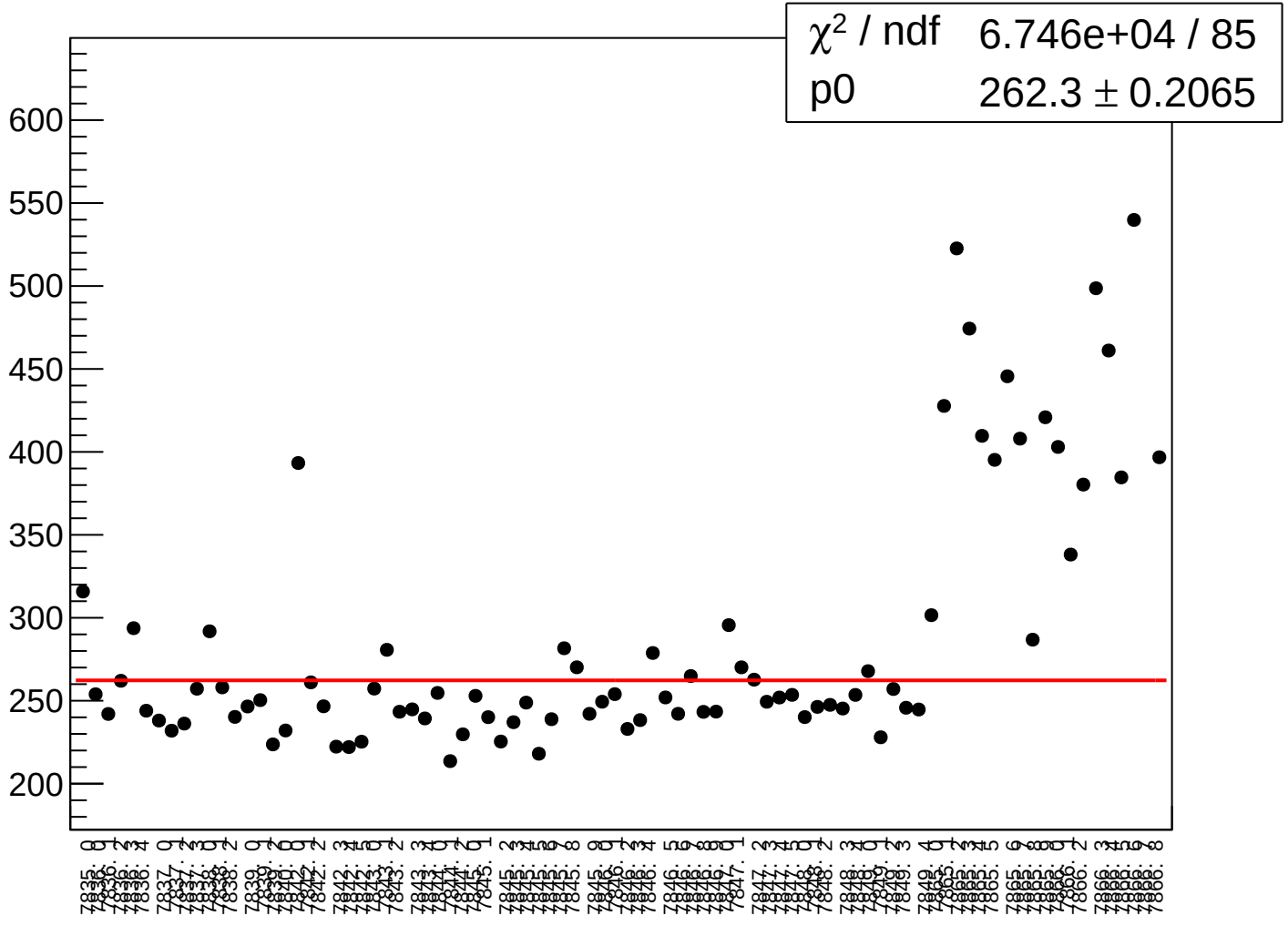

asym_sam_1526_avg_mean vs run
χ² / ndf 81.09 / 85
p0 194.1 ± 1168
pull
Entries 86
Mean 178.3
Std Dev 145.5
pull1D
Entries 86
Mean 0.01551
Std Dev 0.9709

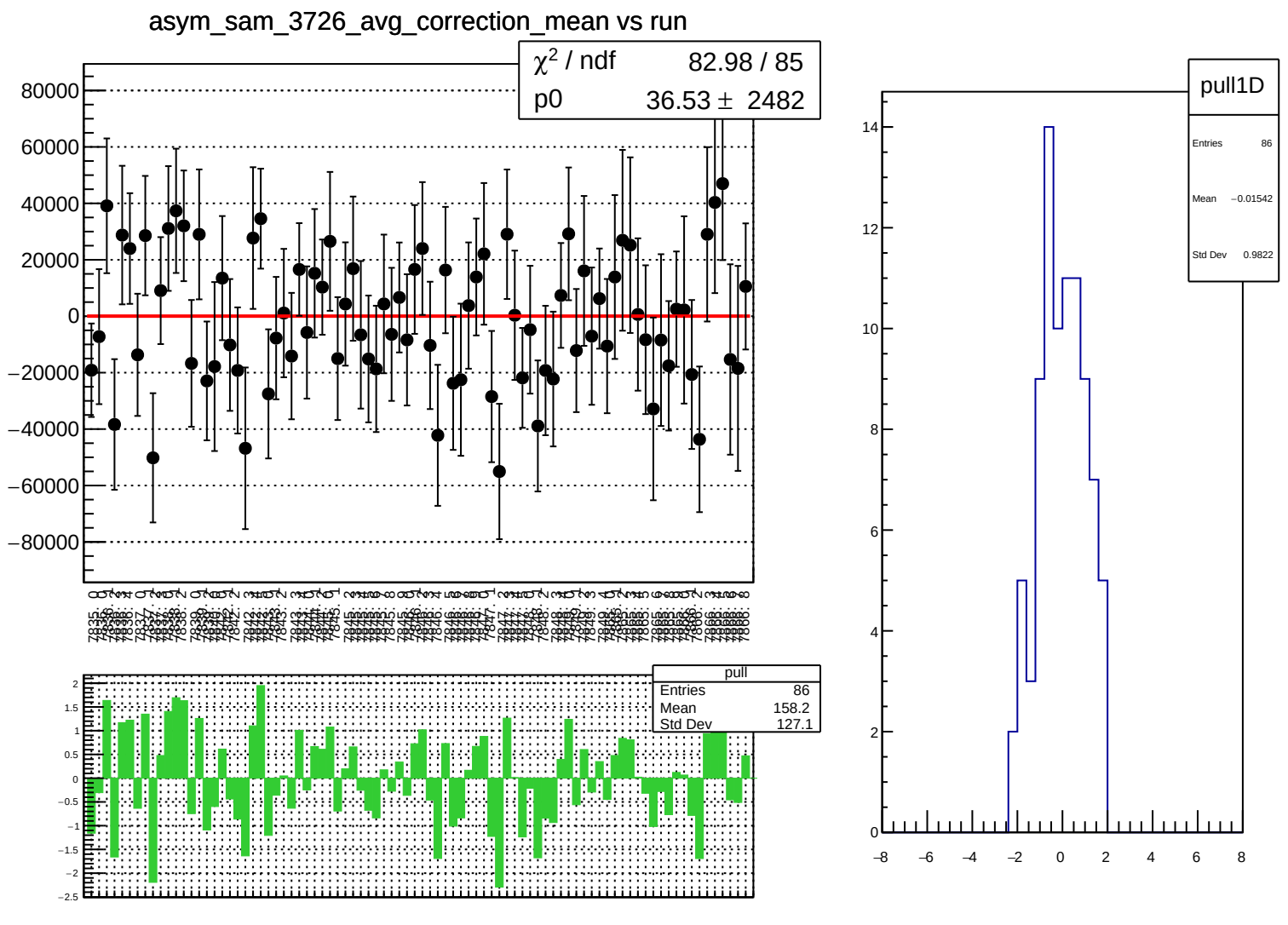
asym_sam_1526_avg_rms vs run



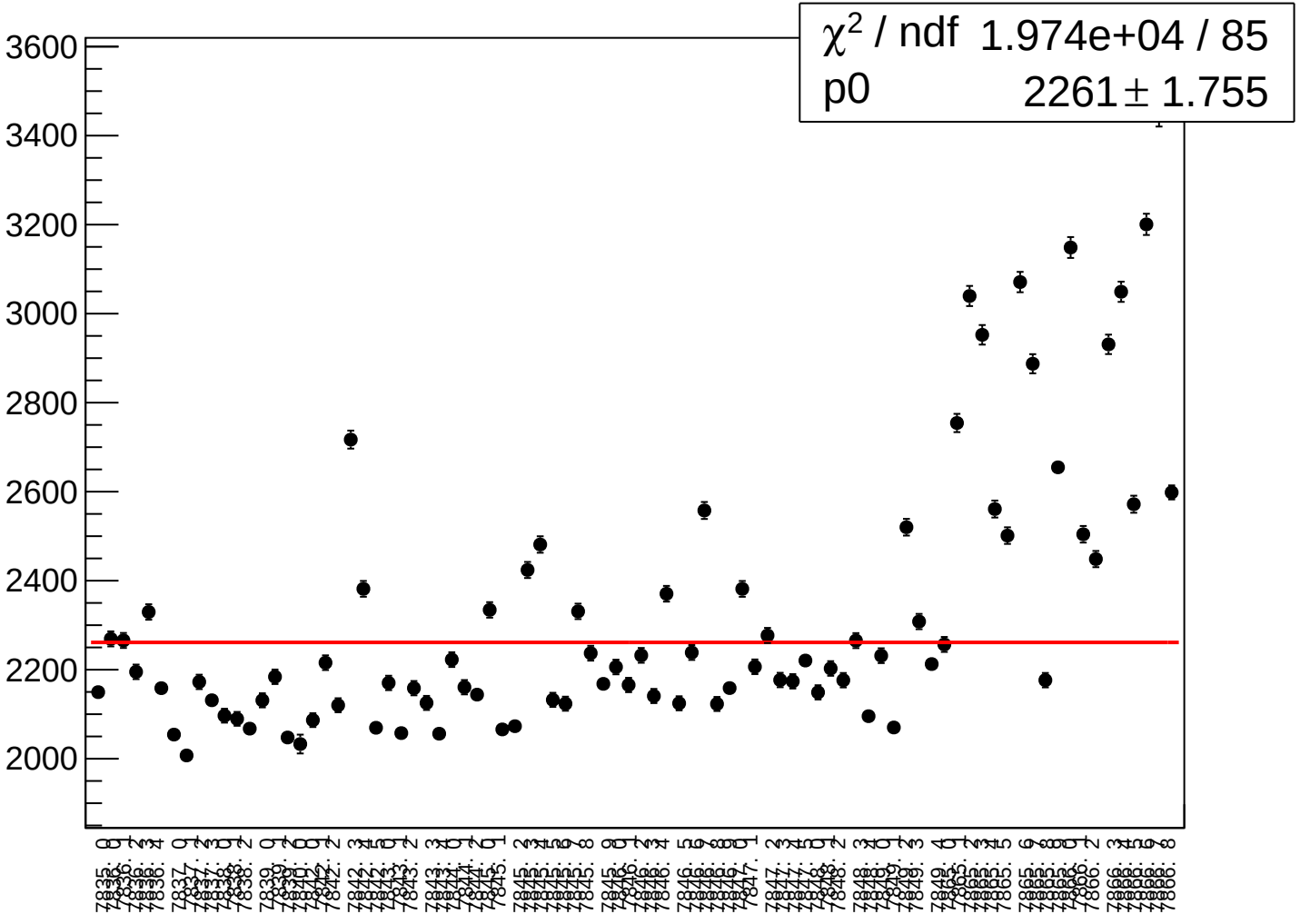

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 76.06 / 85
p0 129.4 ± 292.1
pull
Entries 86
Mean 237.7
Std Dev 194.5
pull1D
Entries 86
Mean 0.004956
Std Dev 0.9404

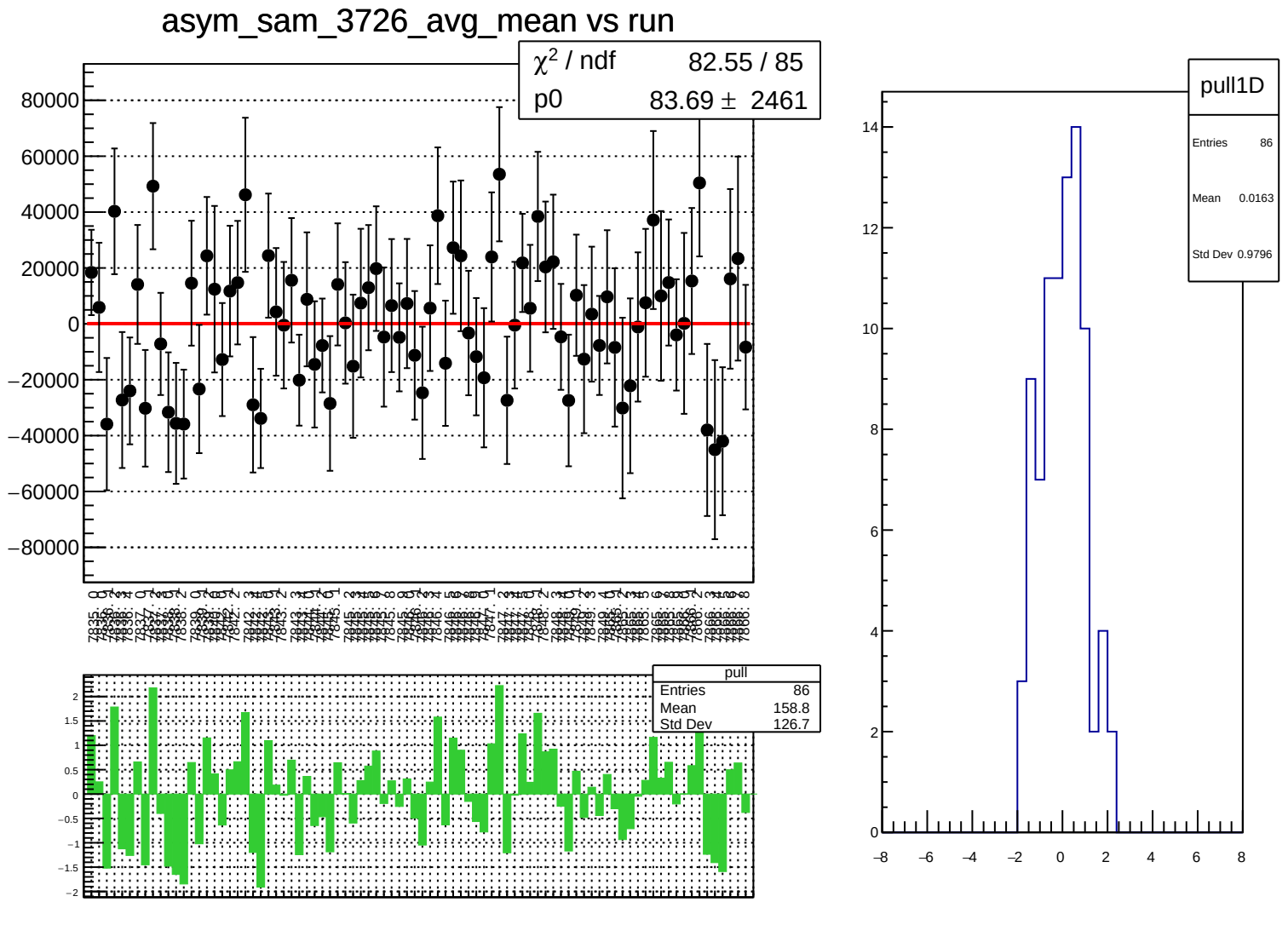
dit_asym_sam_3726_avg_rms vs run



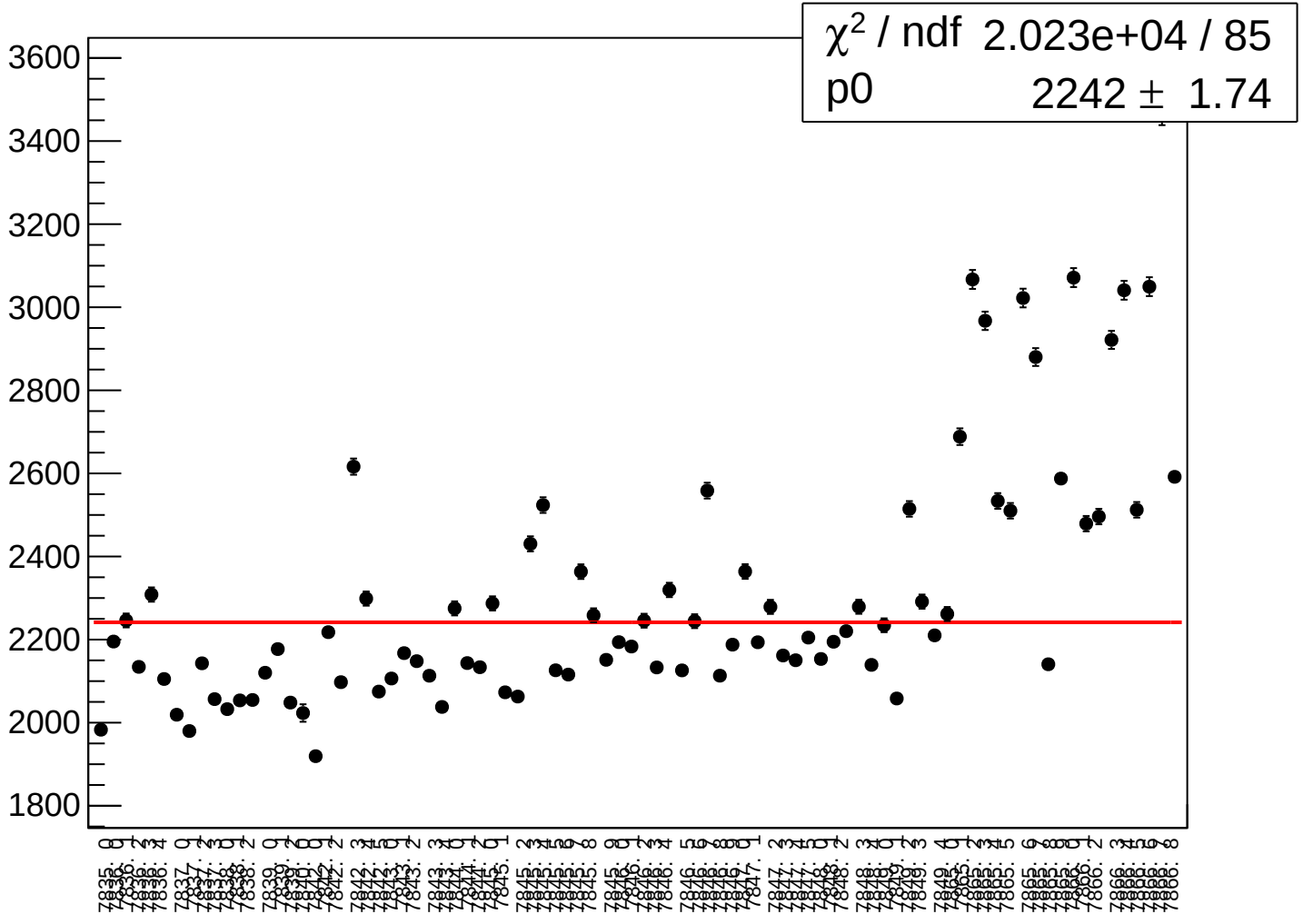

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 82.98 / 85
p0 36.53 ± 2482
pull
Entries 86
Mean 158.2
Std Dev 127.1
pull1D
Entries 86
Mean −0.01542
Std Dev 0.9822

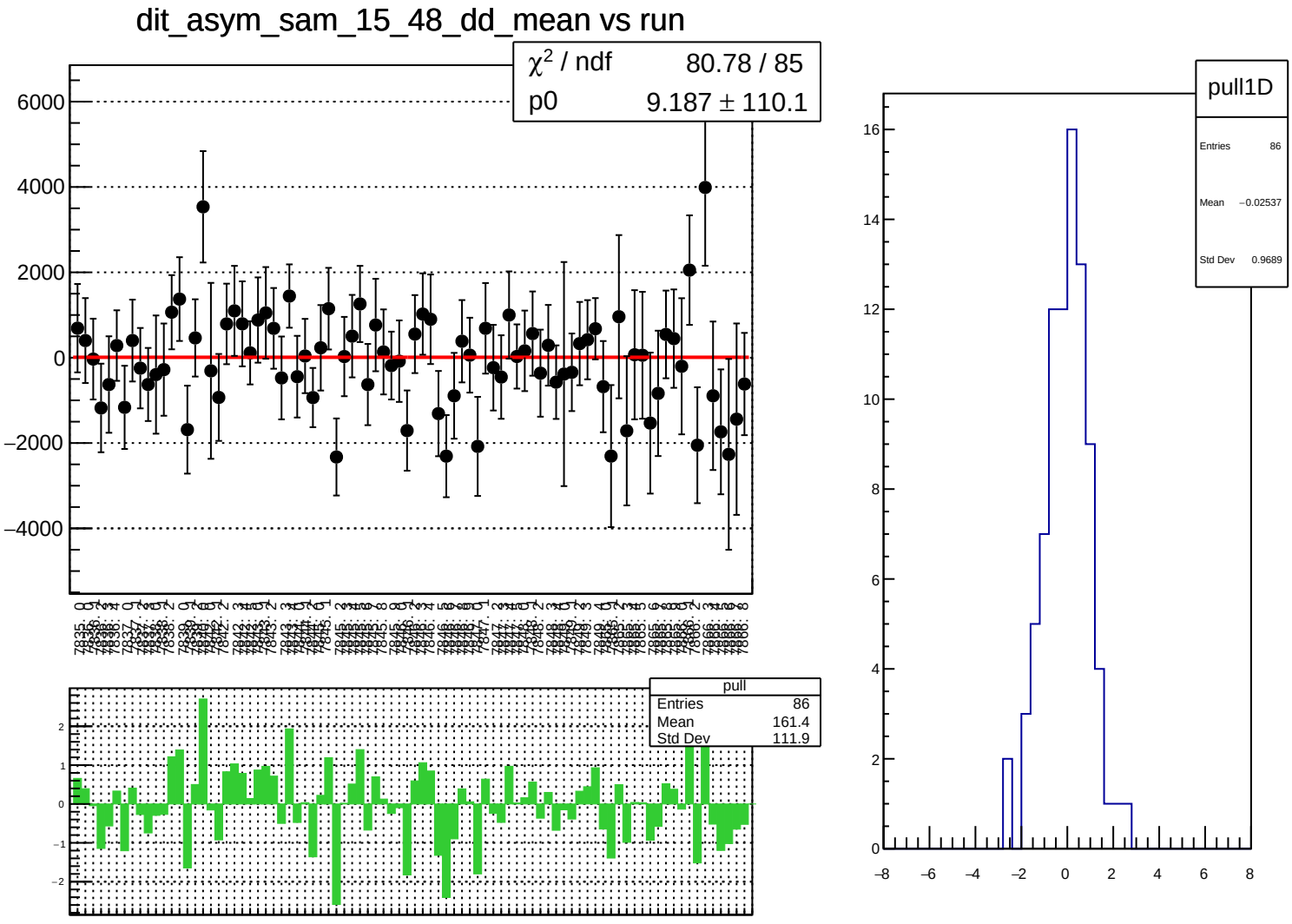
asym_sam_3726_avg_correction_rms vs run



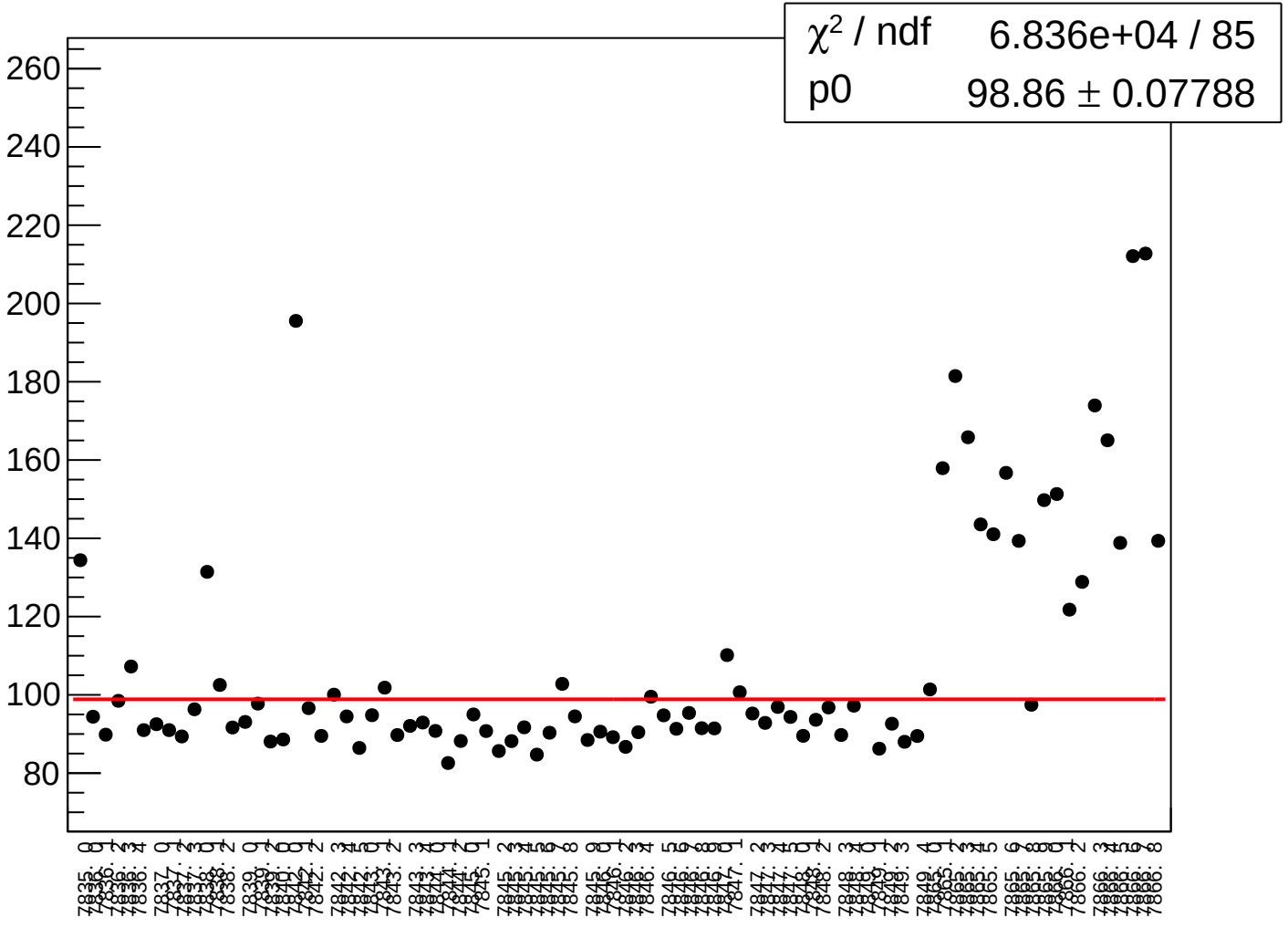

asym_sam_3726_avg_mean vs run
χ² / ndf 82.55 / 85
p0 83.69 ± 2461
pull
Entries 86
Mean 158.8
Std Dev 126.7
pull1D
Entries 86
Mean 0.0163
Std Dev 0.9796

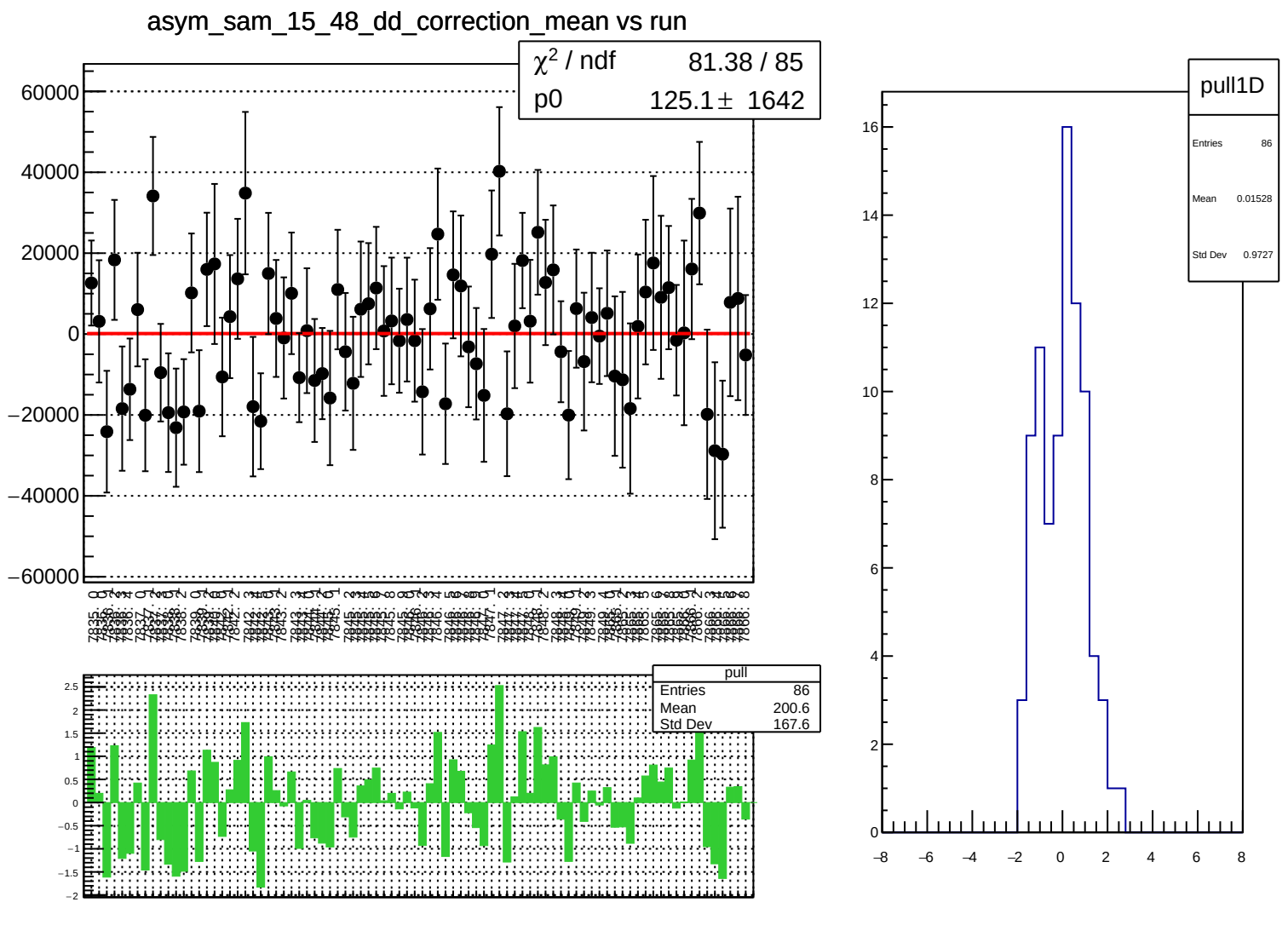
asym_sam_3726_avg_rms vs run



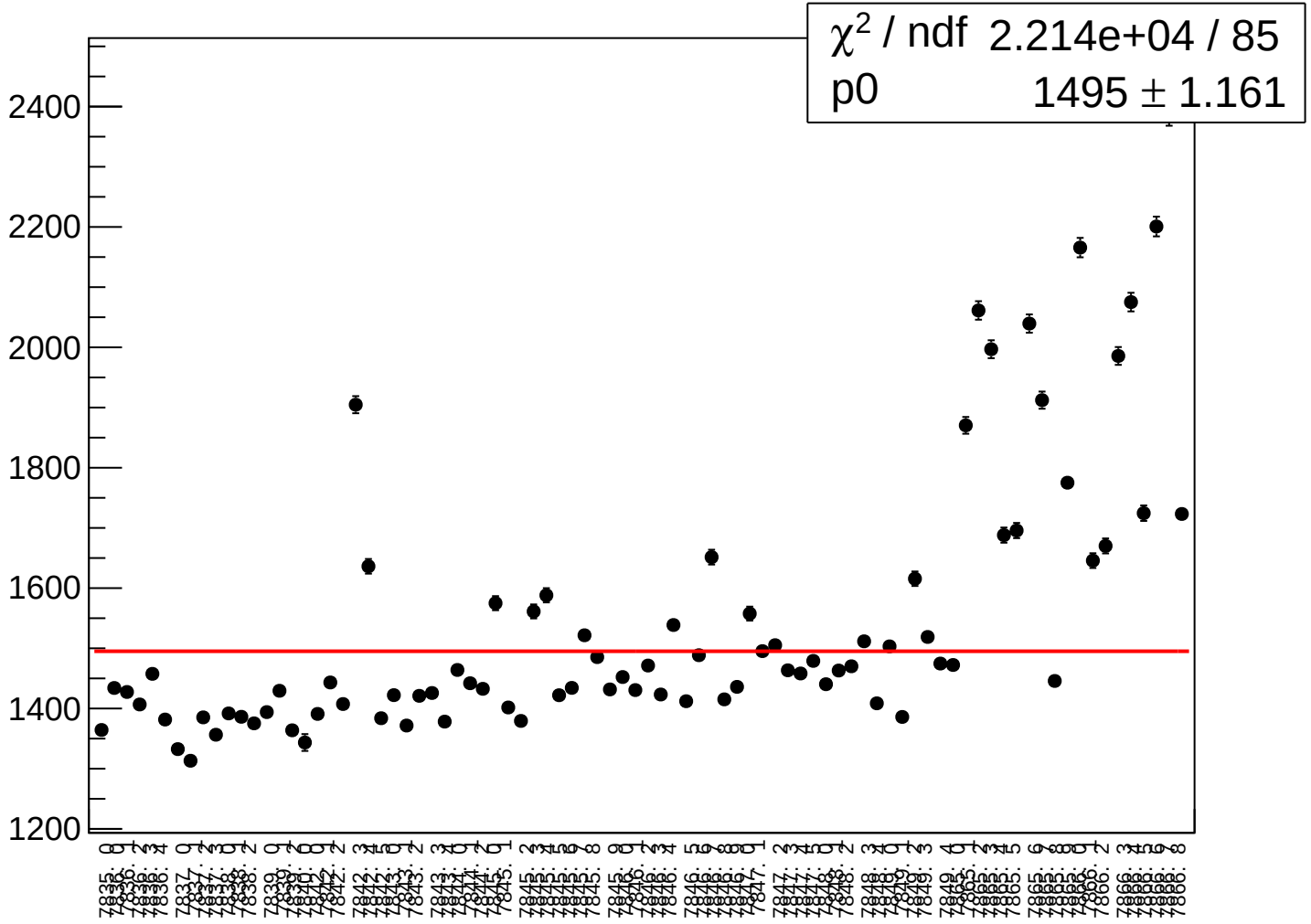

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 80.78 / 85
p0 9.187 ± 110.1
pull
Entries 86
Mean 161.4
Std Dev 111.9
pull1D
Entries 86
Mean −0.02537
Std Dev 0.9689

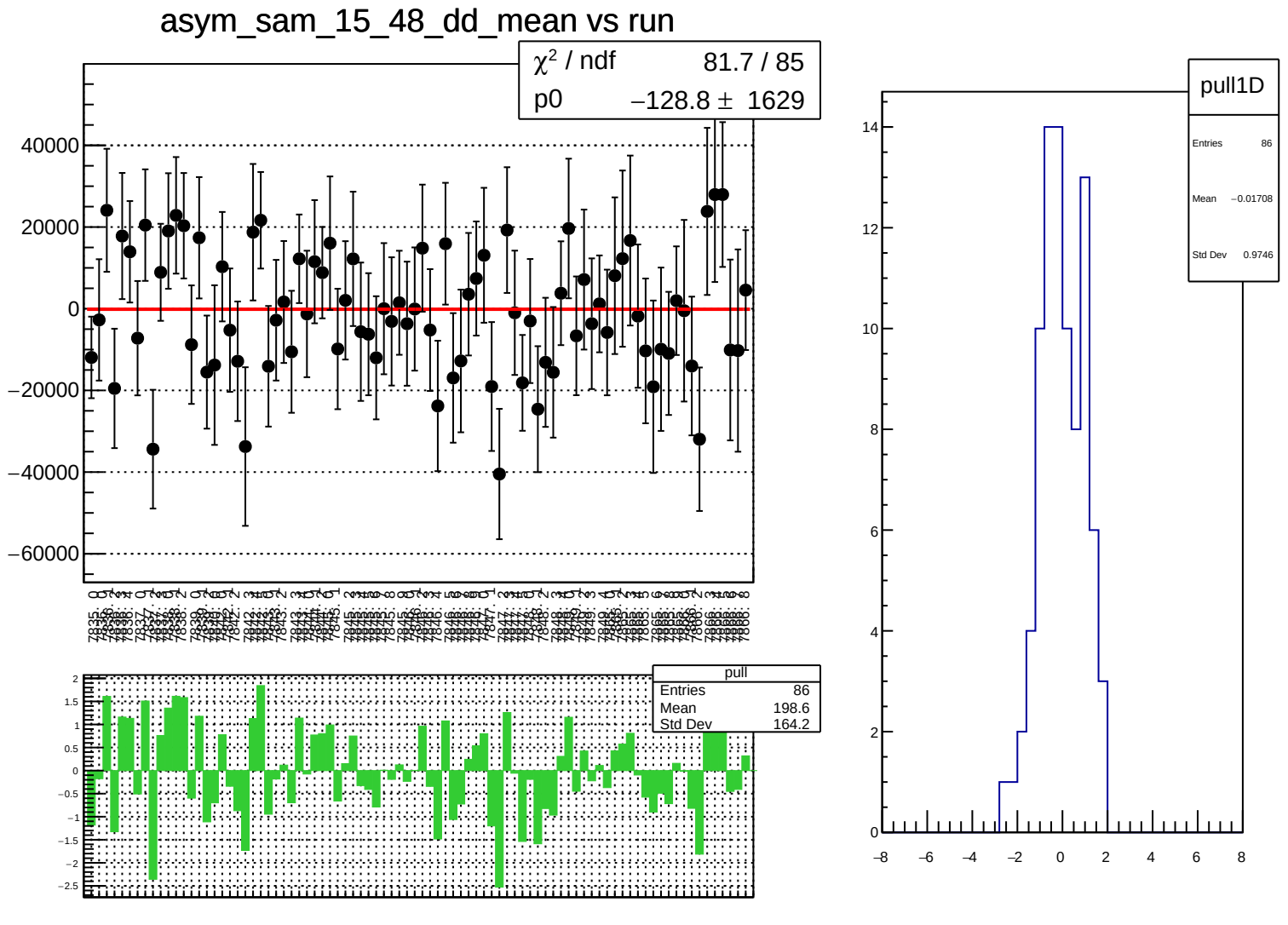
dit_asym_sam_15_48_dd_rms vs run

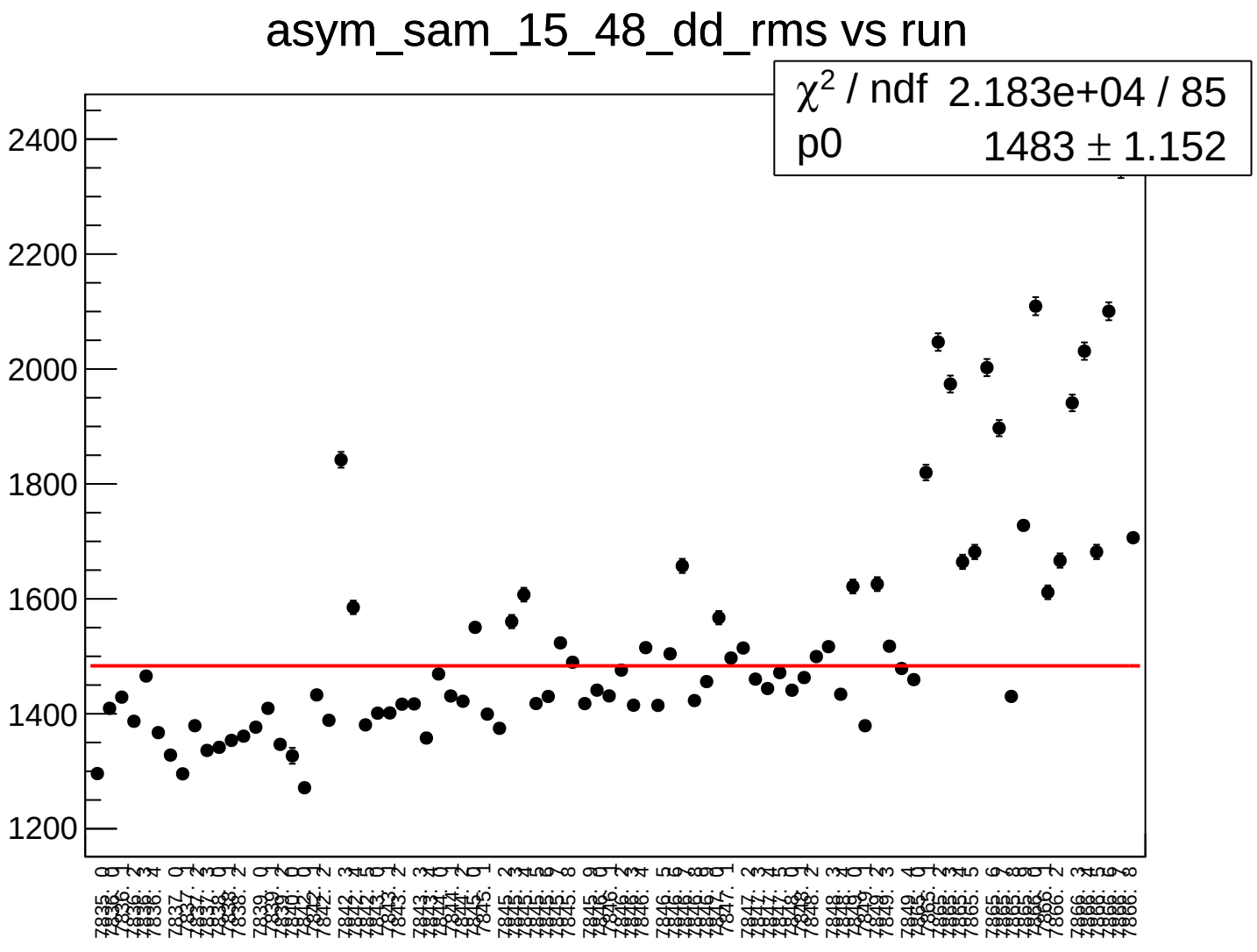


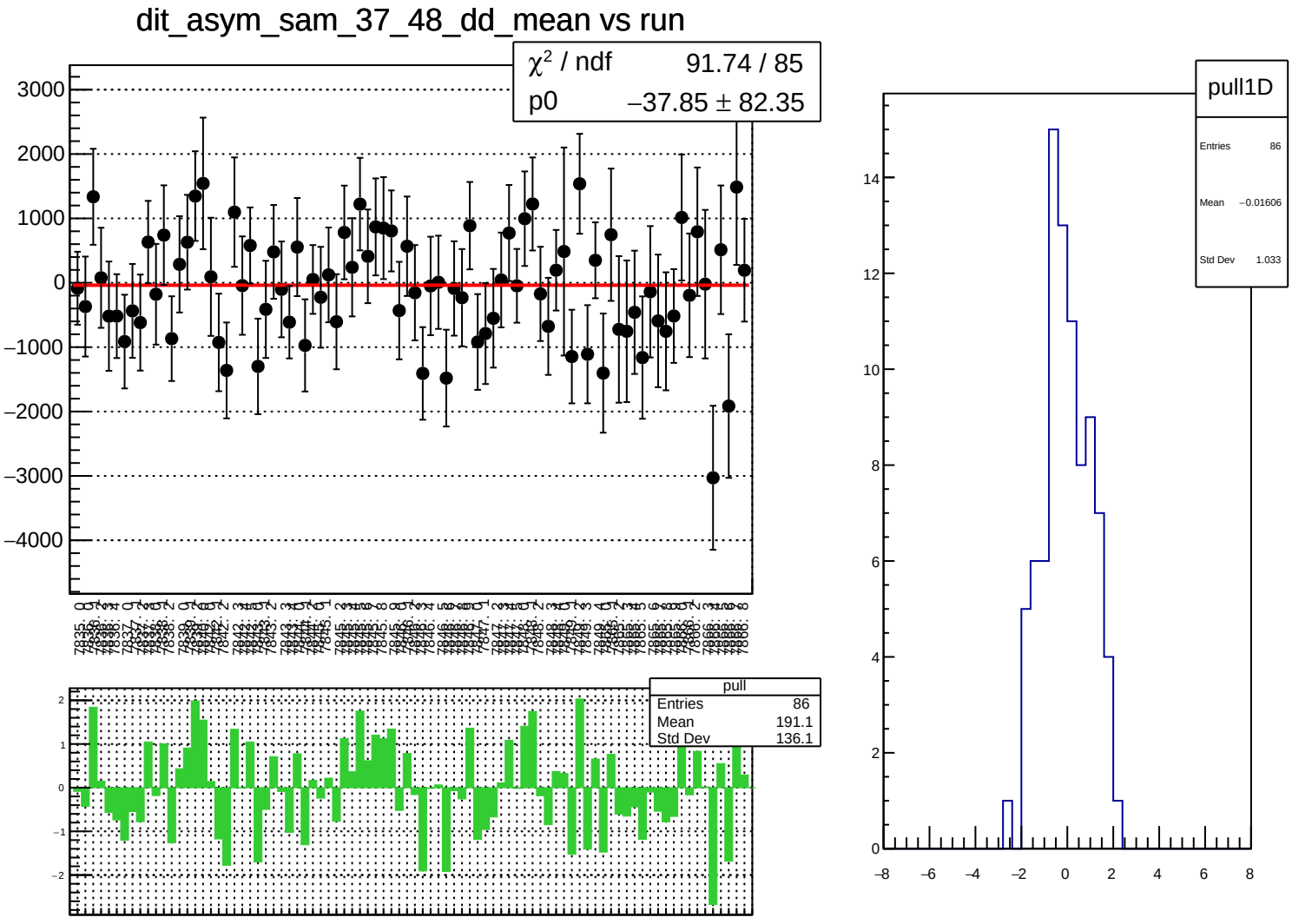

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 81.38 / 85
p0 125.1 ± 1642
pull
Entries 86
Mean 200.6
Std Dev 167.6
pull1D
Entries 86
Mean 0.01528
Std Dev 0.9727

asym_sam_15_48_dd_correction_rms vs run

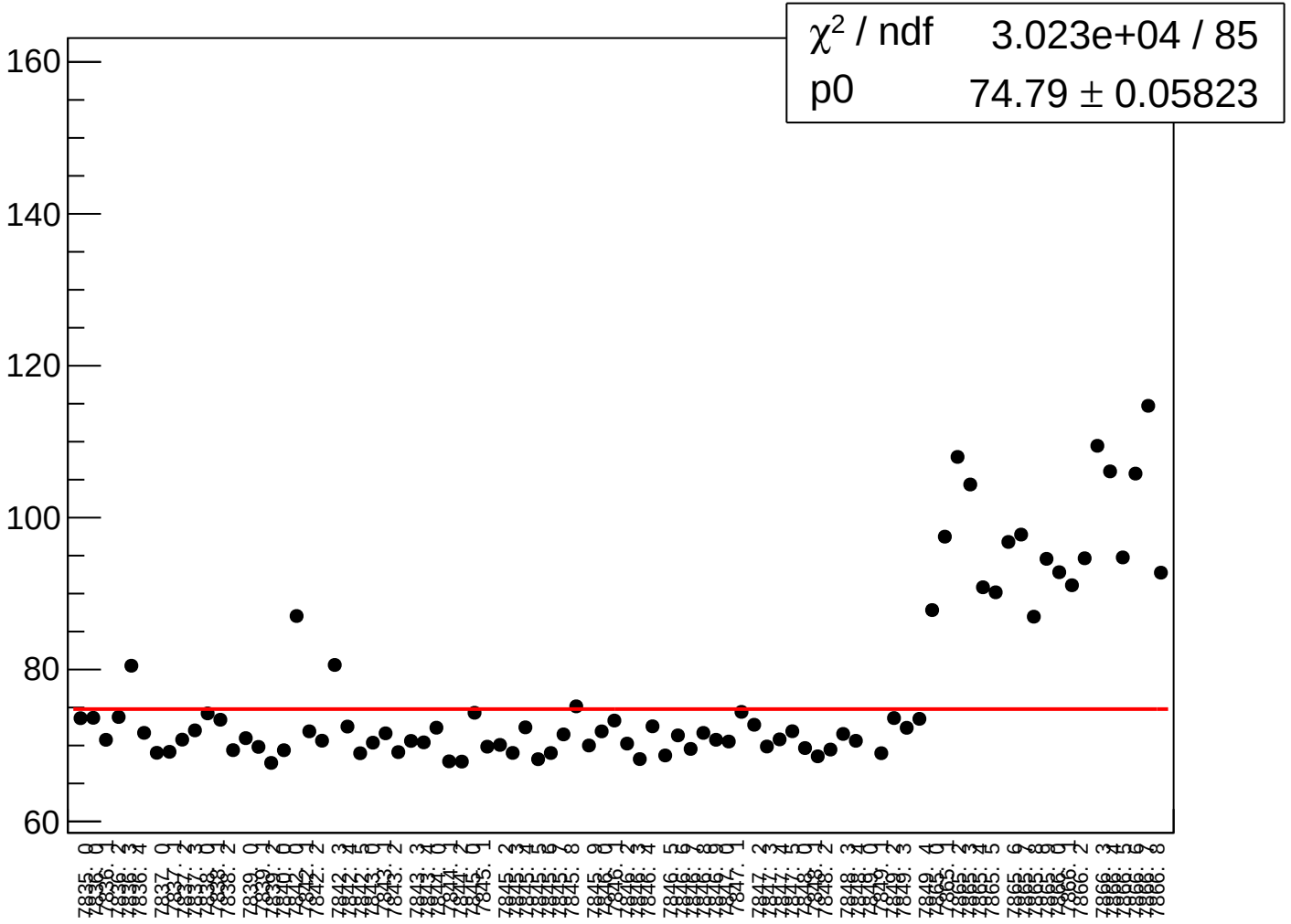


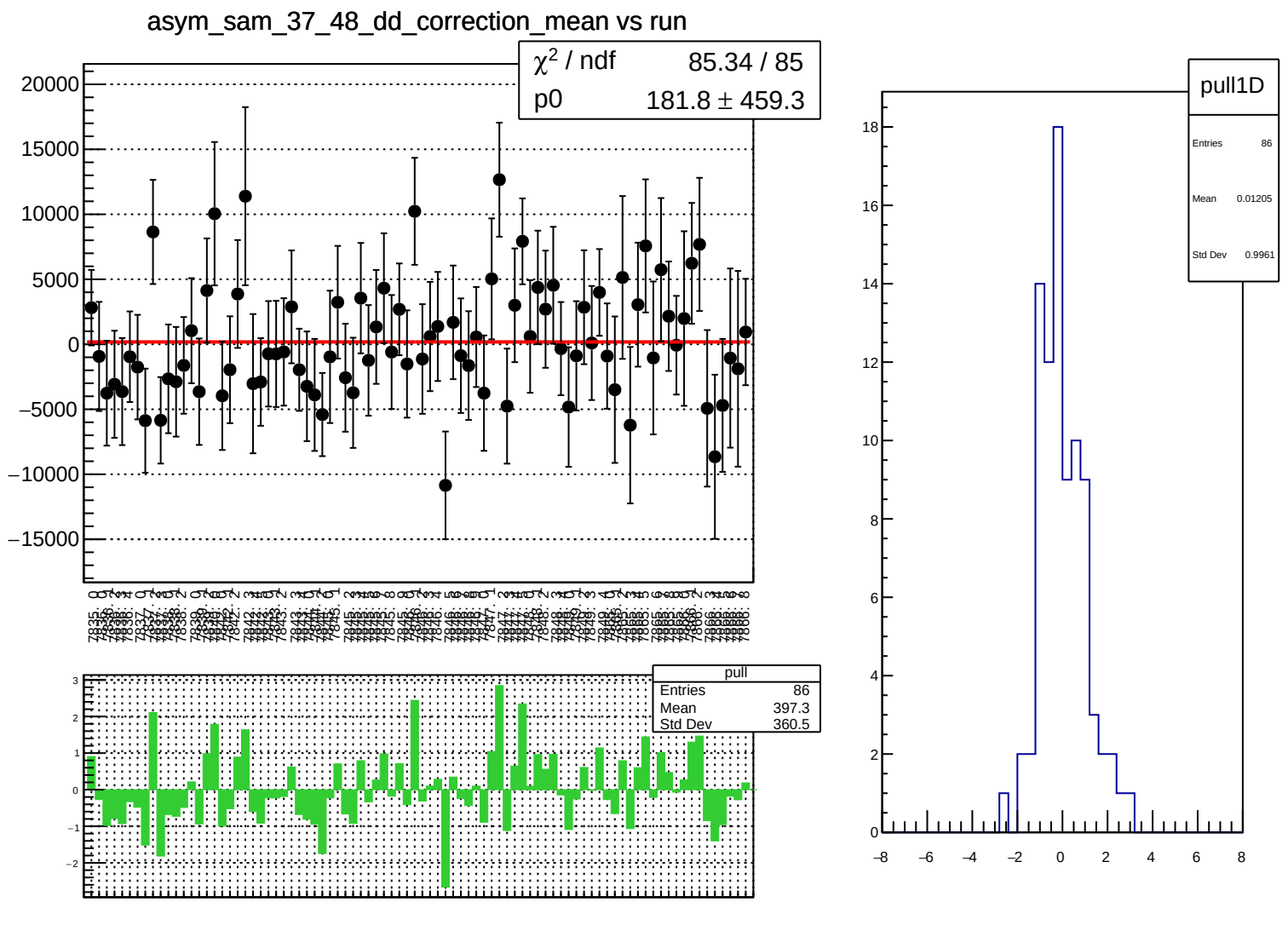

asym_sam_15_48_dd_mean vs run
χ² / ndf 81.7 / 85
p0 −128.8 ± 1629
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean 198.6
Std Dev 164.2
pull1D
Entries 86
Mean −0.01708
Std Dev 0.9746

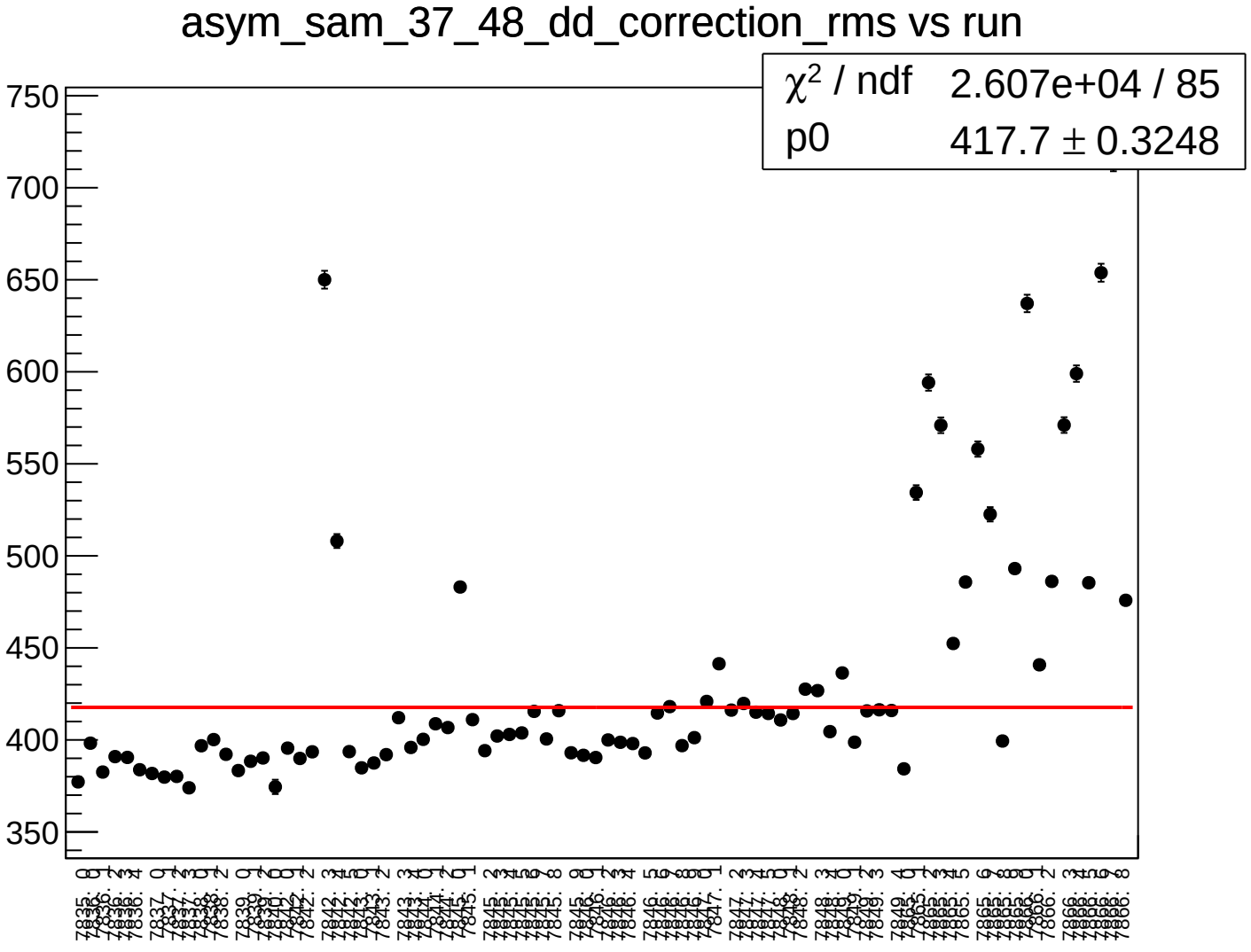

asym_sam_15_48_dd_rms vs run
χ^2 / ndf 2.183e+04 / 85
p0 1483 ± 1.152
2400
2200
2000
1800
1600
1400
1200

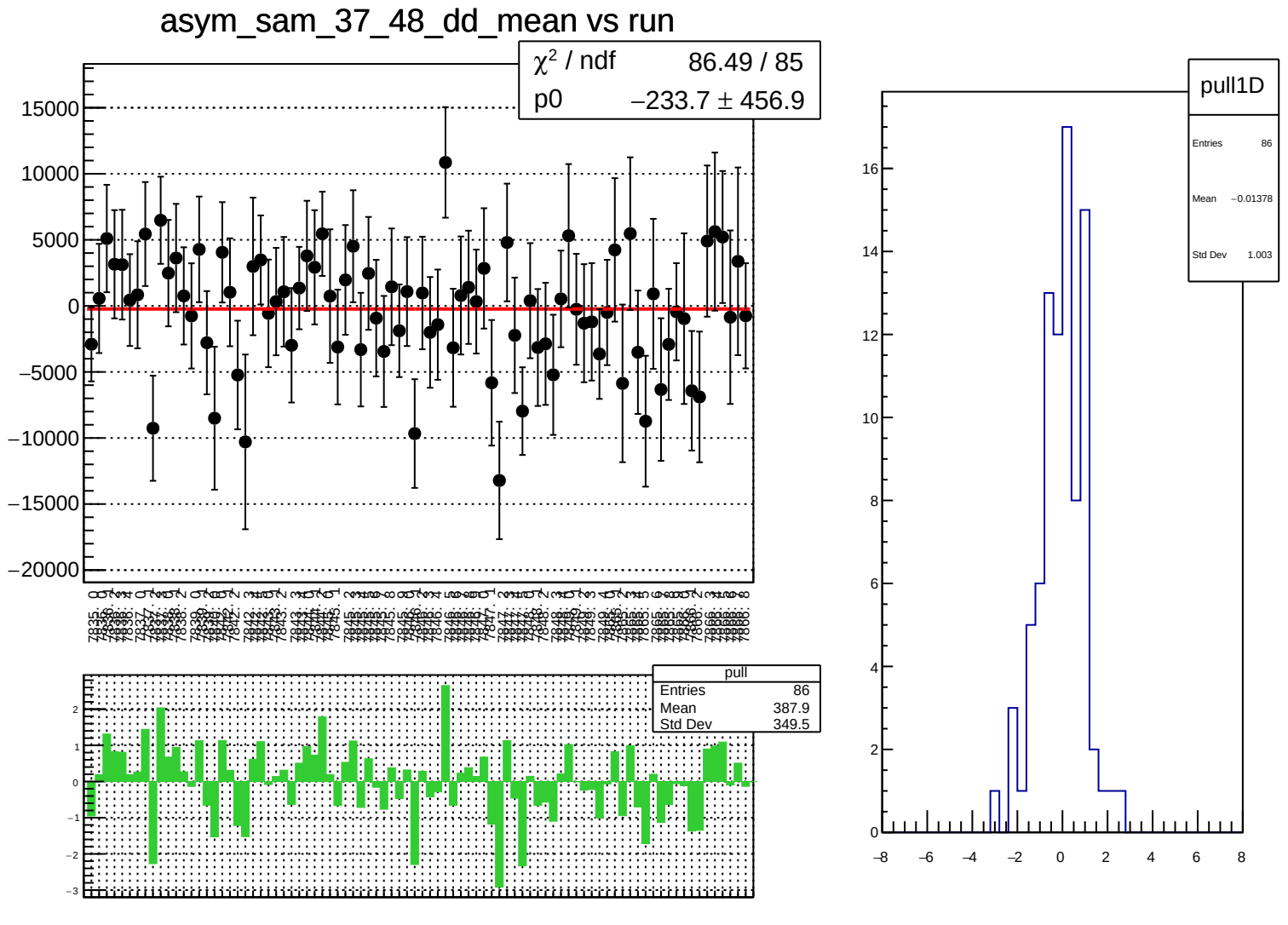

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 91.74 / 85
p0 −37.85 ± 82.35
pull
Entries 86
Mean 191.1
Std Dev 136.1
pull1D
Entries 86
Mean −0.01606
Std Dev 1.033

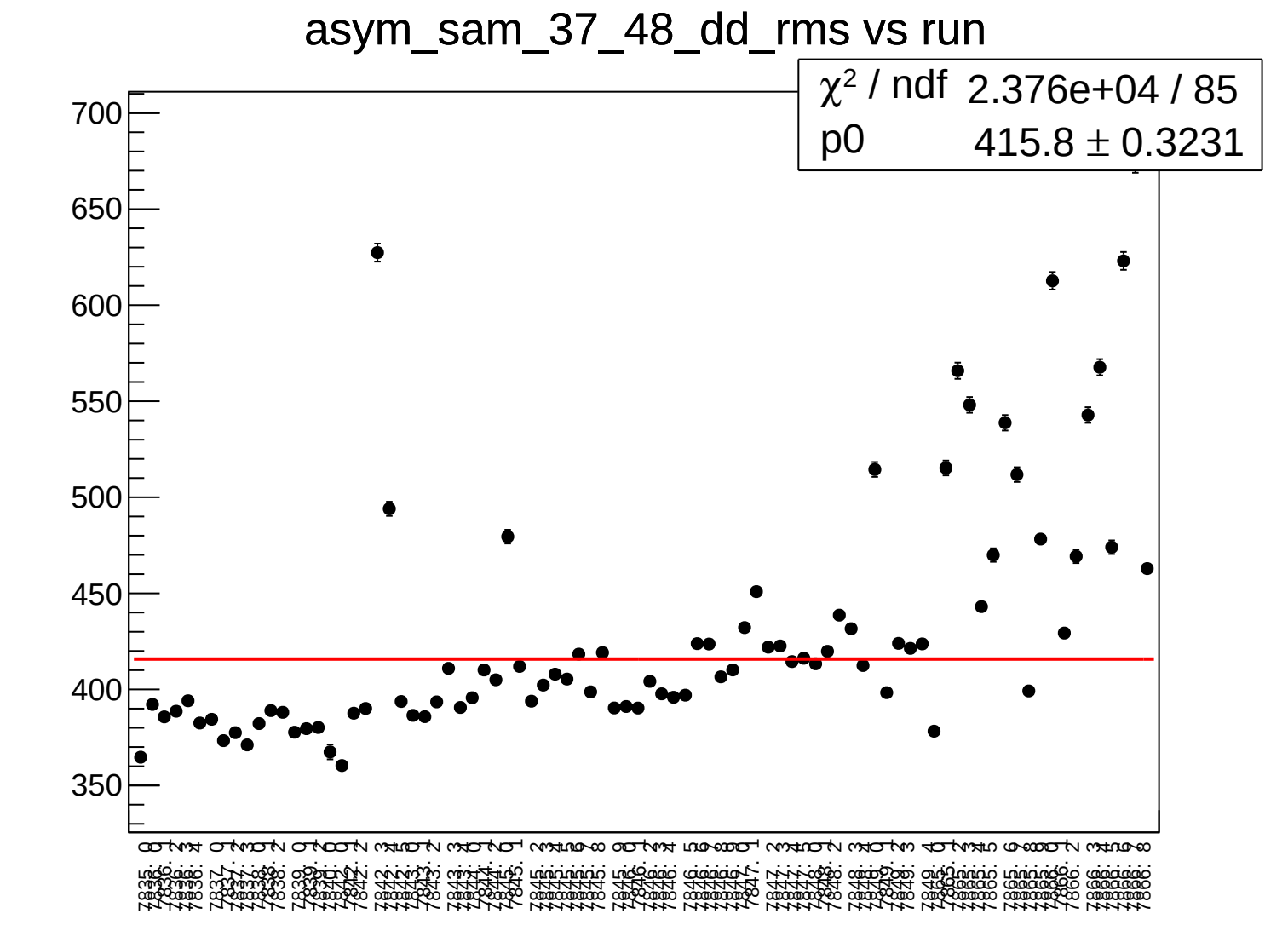
dit_asym_sam_37_48_dd_rms vs run

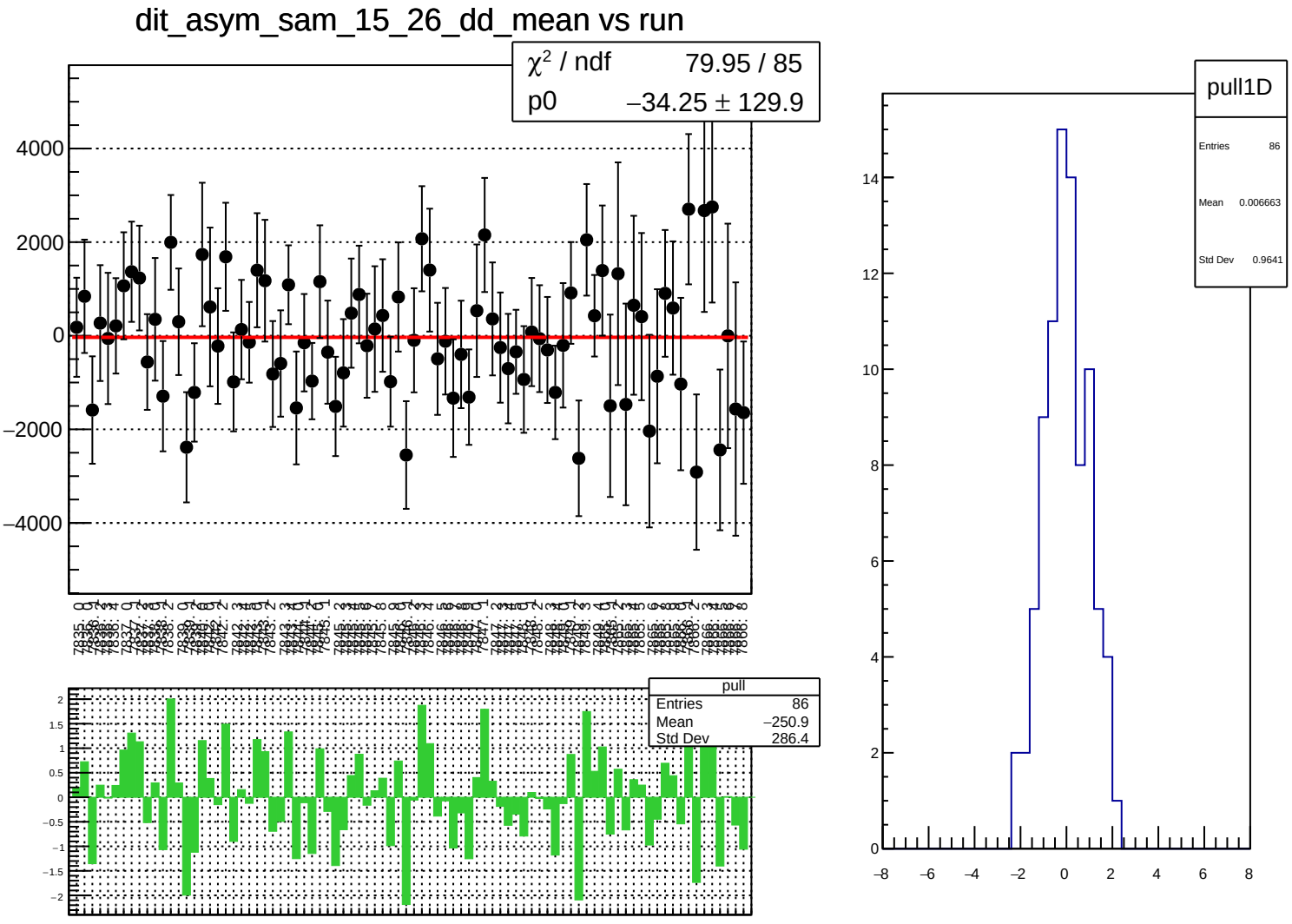



asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 85.34 / 85
p0 181.8 ± 459.3
pull
Entries 86
Mean 397.3
Std Dev 360.5
pull1D
Entries 86
Mean 0.01205
Std Dev 0.9961

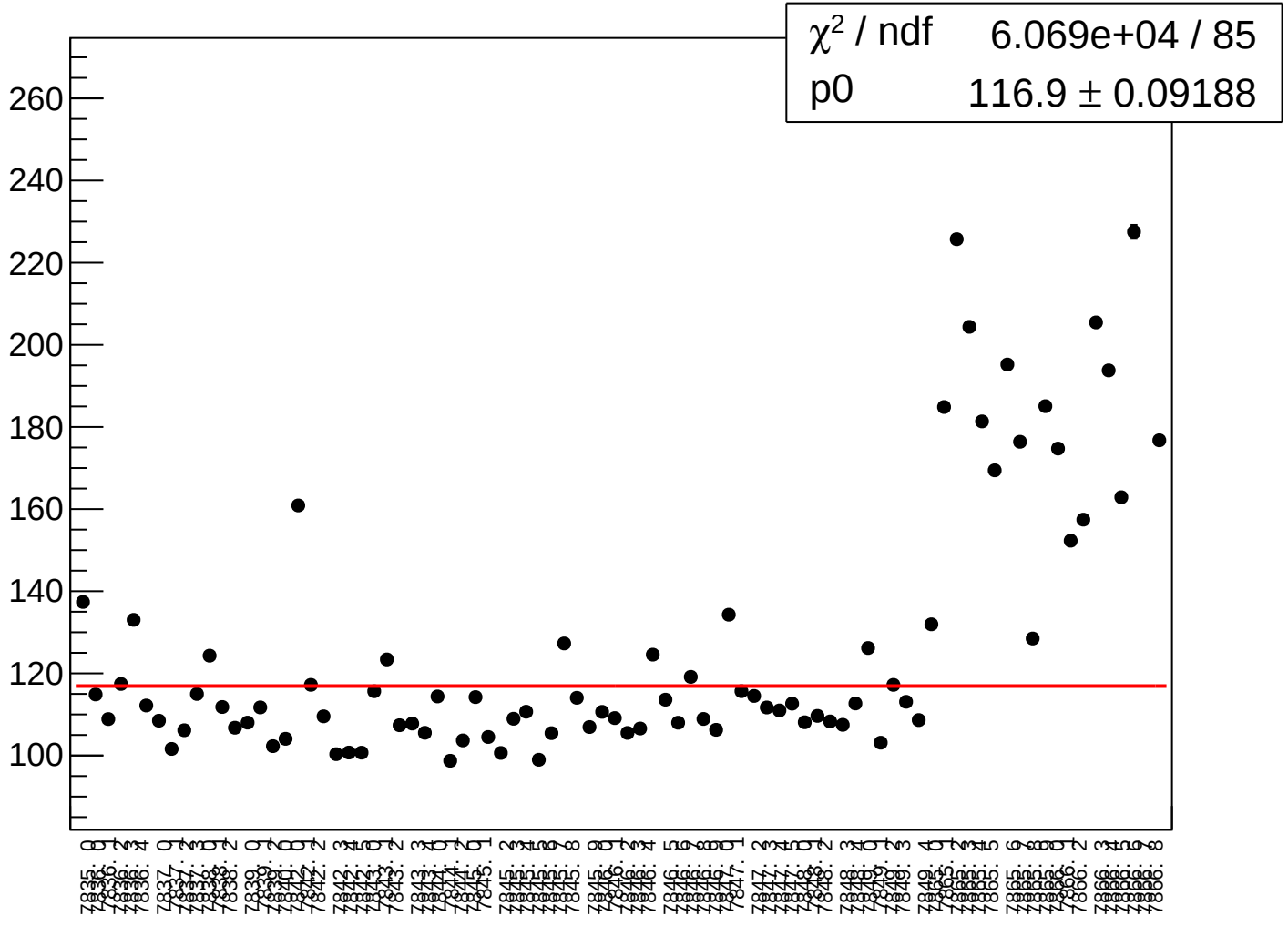

asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 2.607e+04 / 85
p0 417.7 ± 0.3248
750
700
650
600
550
500
450
400
350

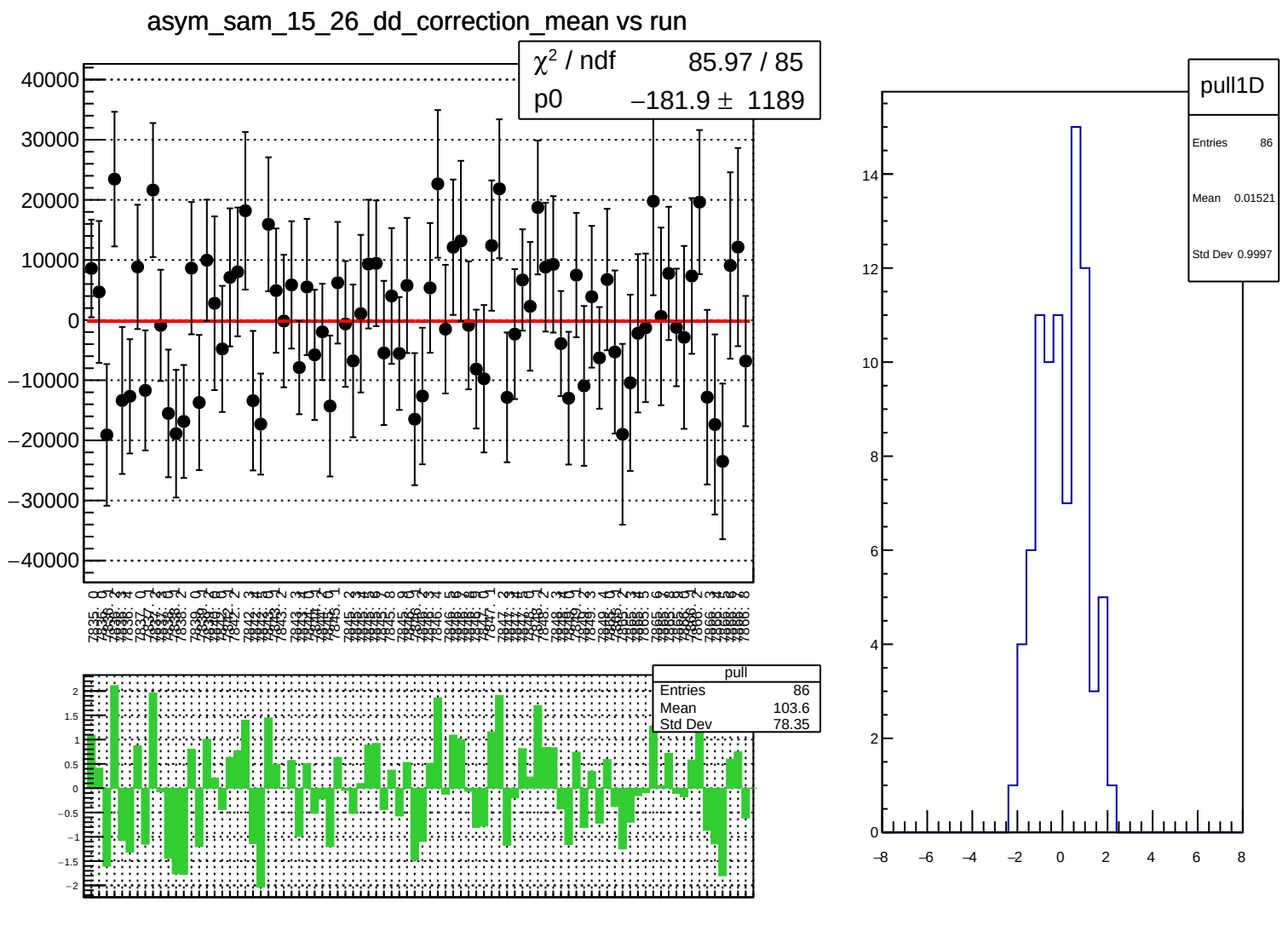

asym_sam_37_48_dd_mean vs run
χ² / ndf 86.49 / 85
p0 −233.7 ± 456.9
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 86
Mean 387.9
Std Dev 349.5
2
1
0
−1
−2
−3
pull1D
Entries 86
Mean −0.01378
Std Dev 1.003
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_48_dd_rms vs run
χ² / ndf 2.376e+04 / 85
p0 415.8 ± 0.3231
700
650
600
550
500
450
400
350

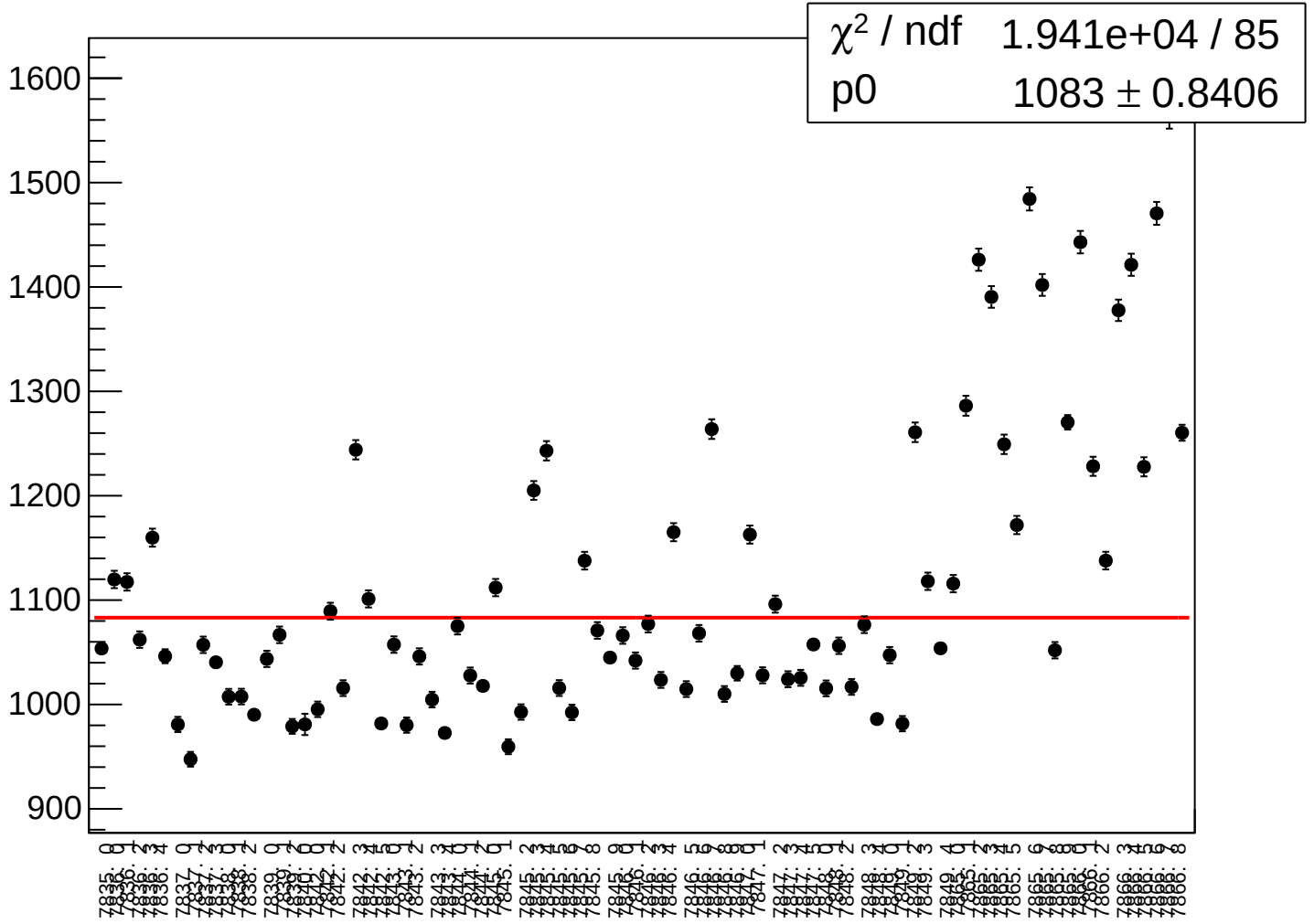

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 79.95 / 85
p0 −34.25 ± 129.9
4000
2000
0
−2000
−4000
pull
Entries 86
Mean −250.9
Std Dev 286.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 86
Mean 0.006663
Std Dev 0.9641
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

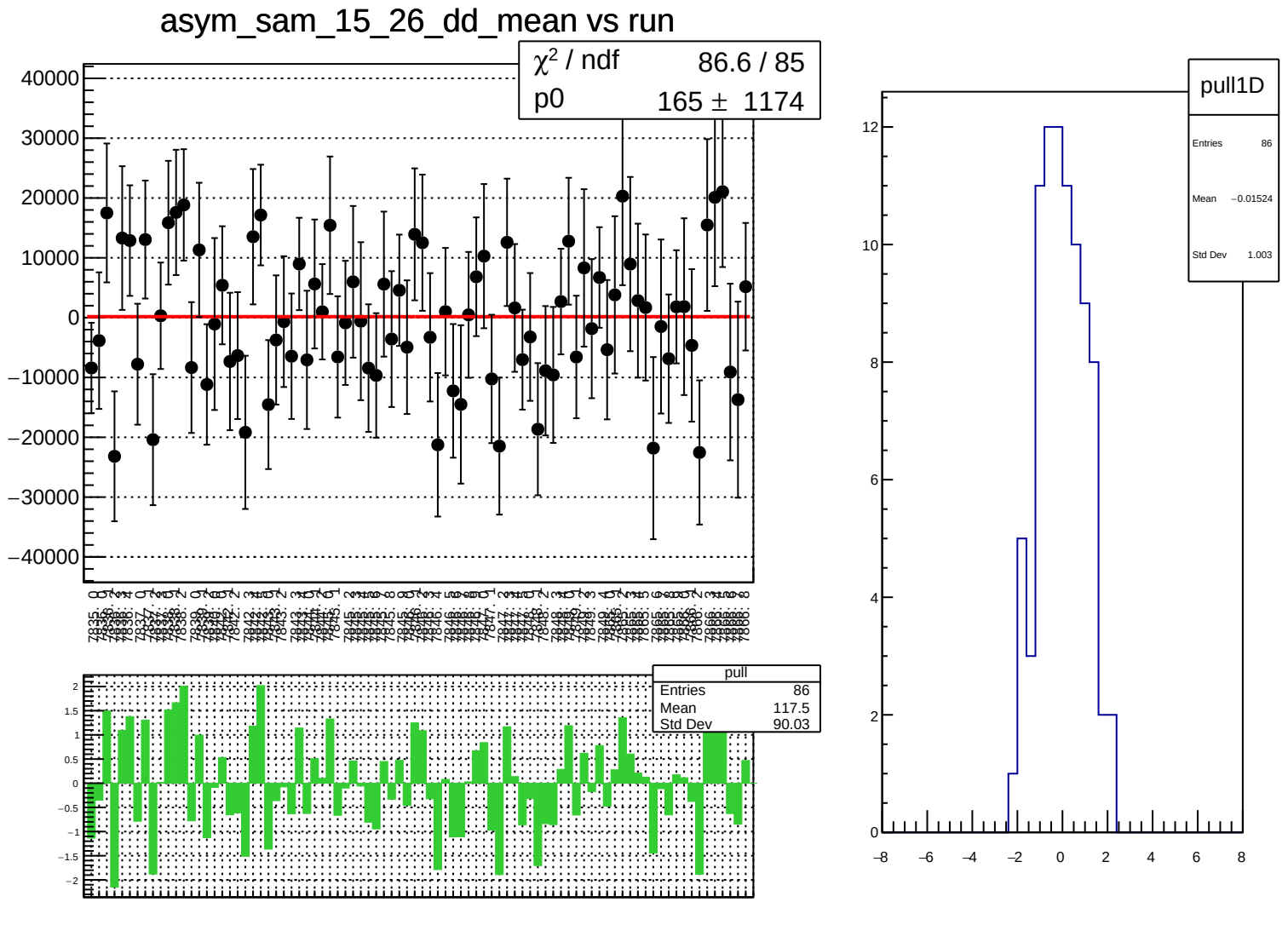
dit_asym_sam_15_26_dd_rms vs run



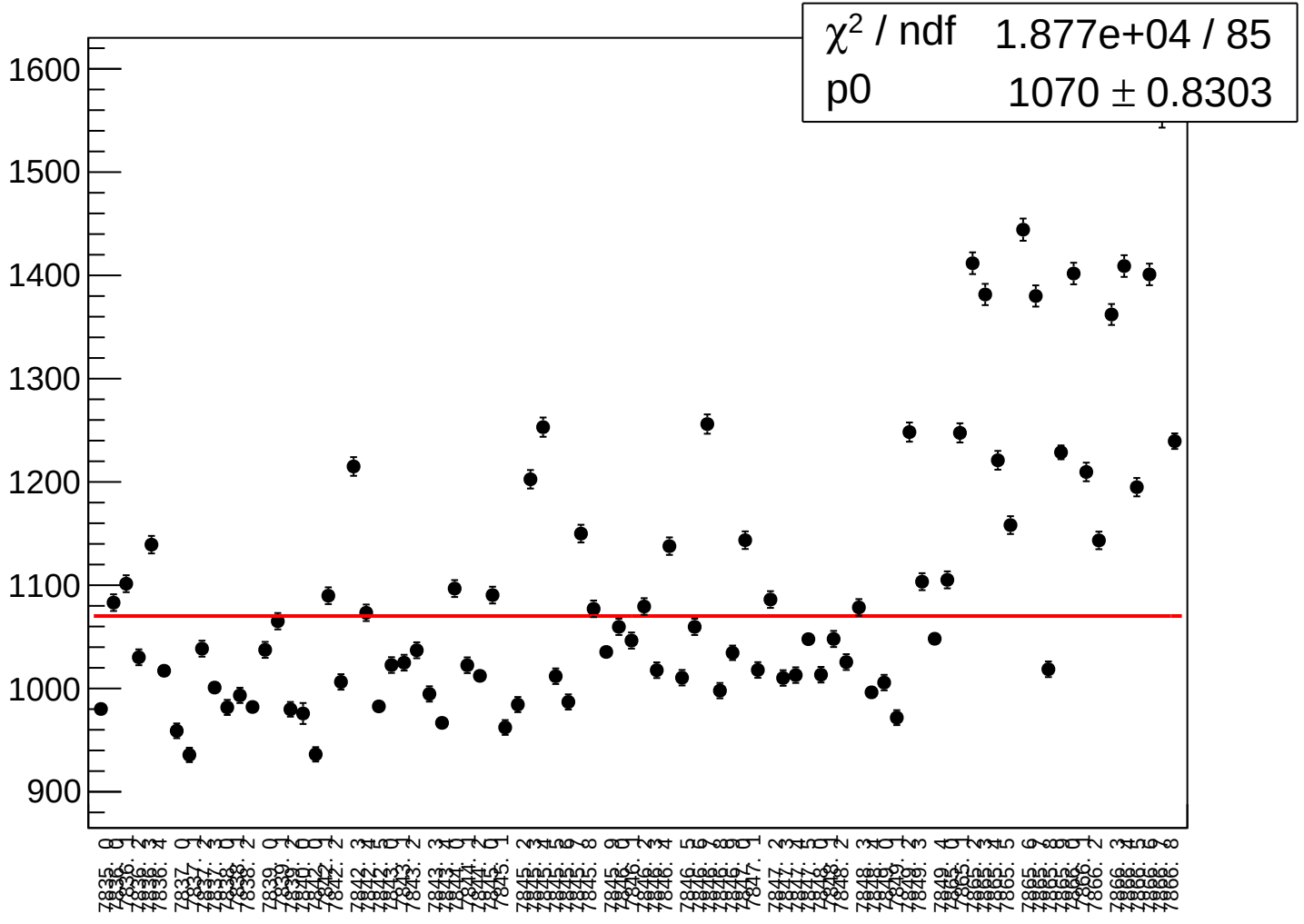

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 85.97 / 85
p0 −181.9 ± 1189
pull
Entries 86
Mean 103.6
Std Dev 78.35
pull1D
Entries 86
Mean 0.01521
Std Dev 0.9997

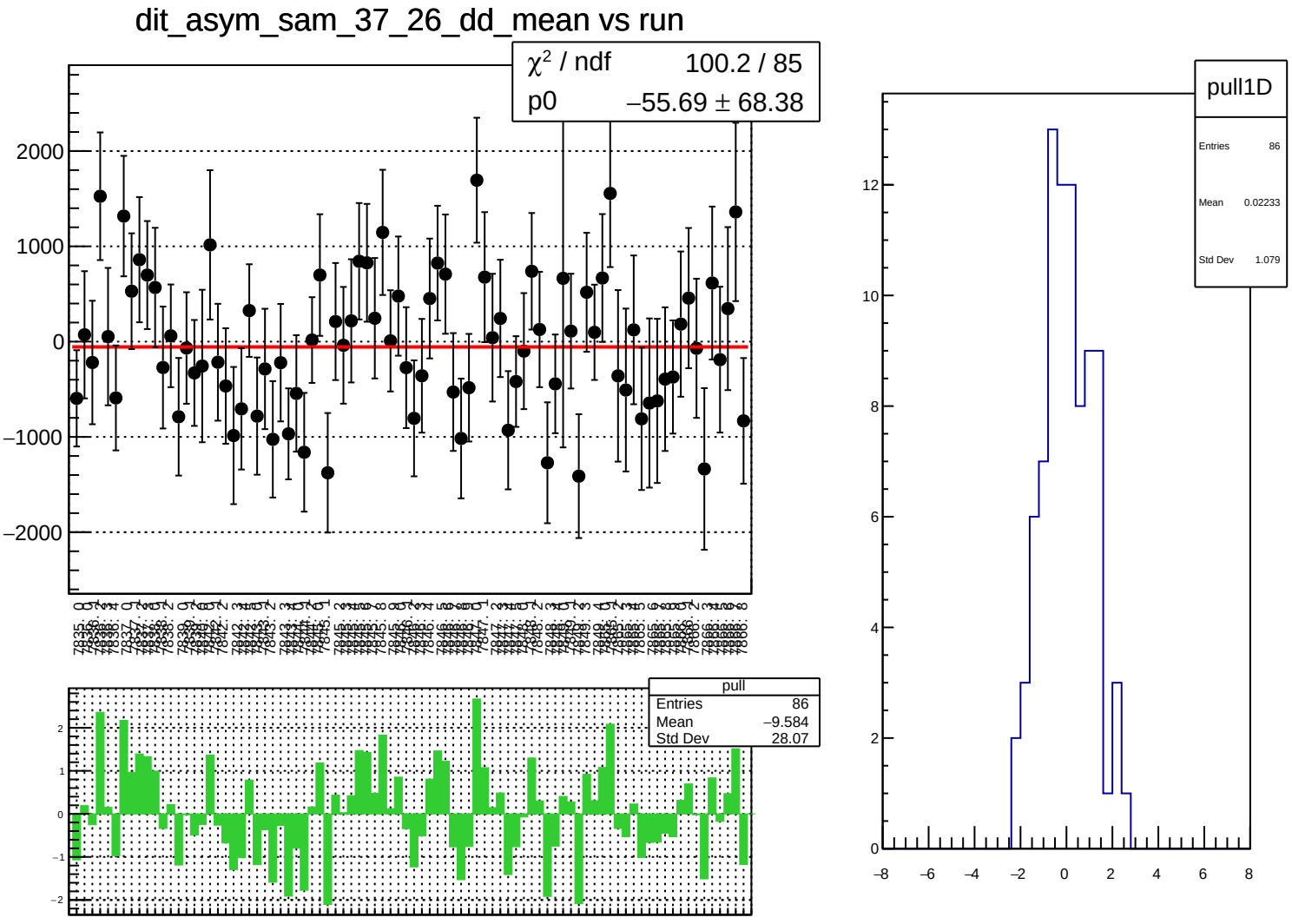
asym_sam_15_26_dd_correction_rms vs run



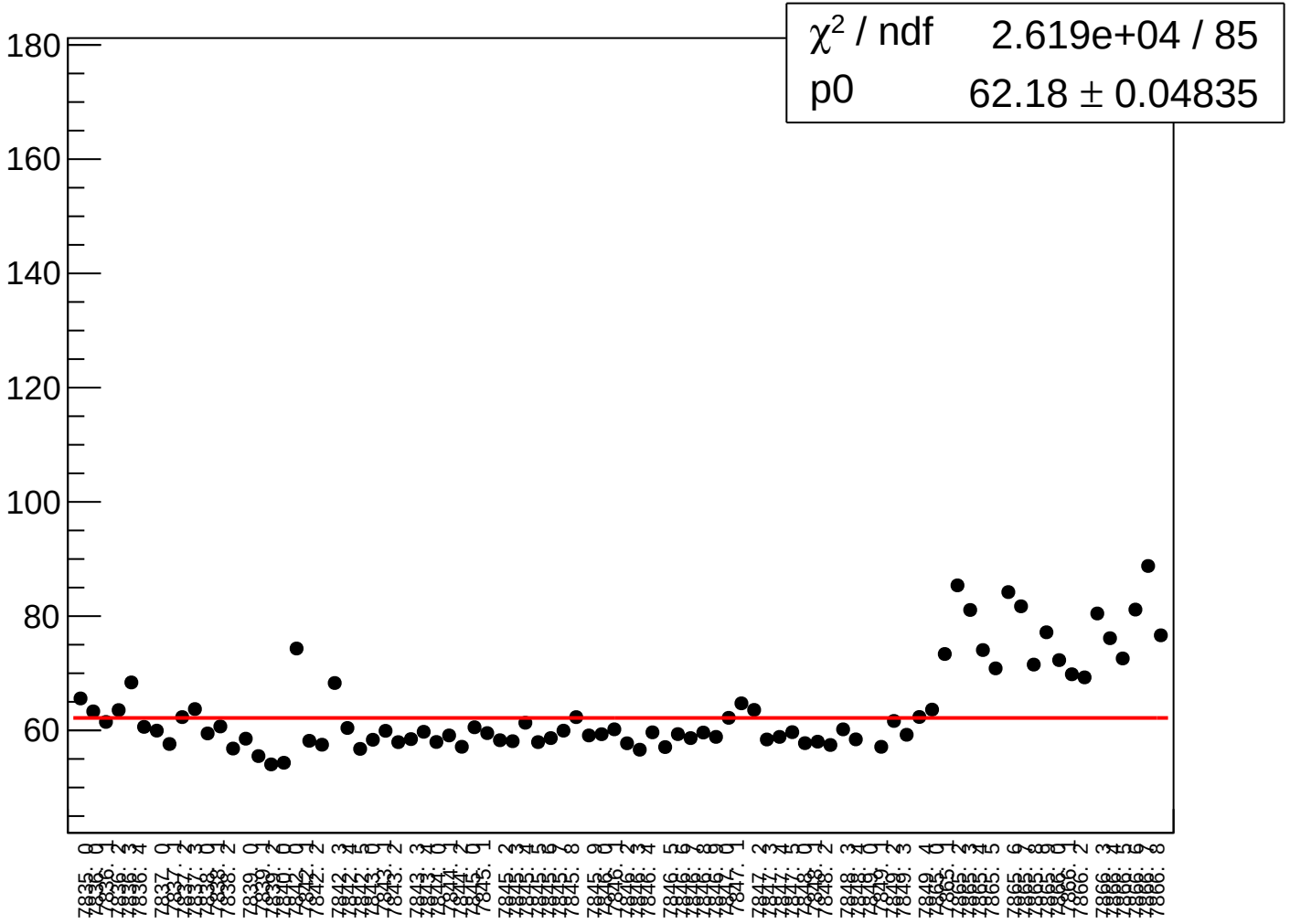

asym_sam_15_26_dd_mean vs run
χ² / ndf 86.6 / 85
p0 165 ± 1174
pull
Entries 86
Mean 117.5
Std Dev 90.03
pull1D
Entries 86
Mean −0.01524
Std Dev 1.003

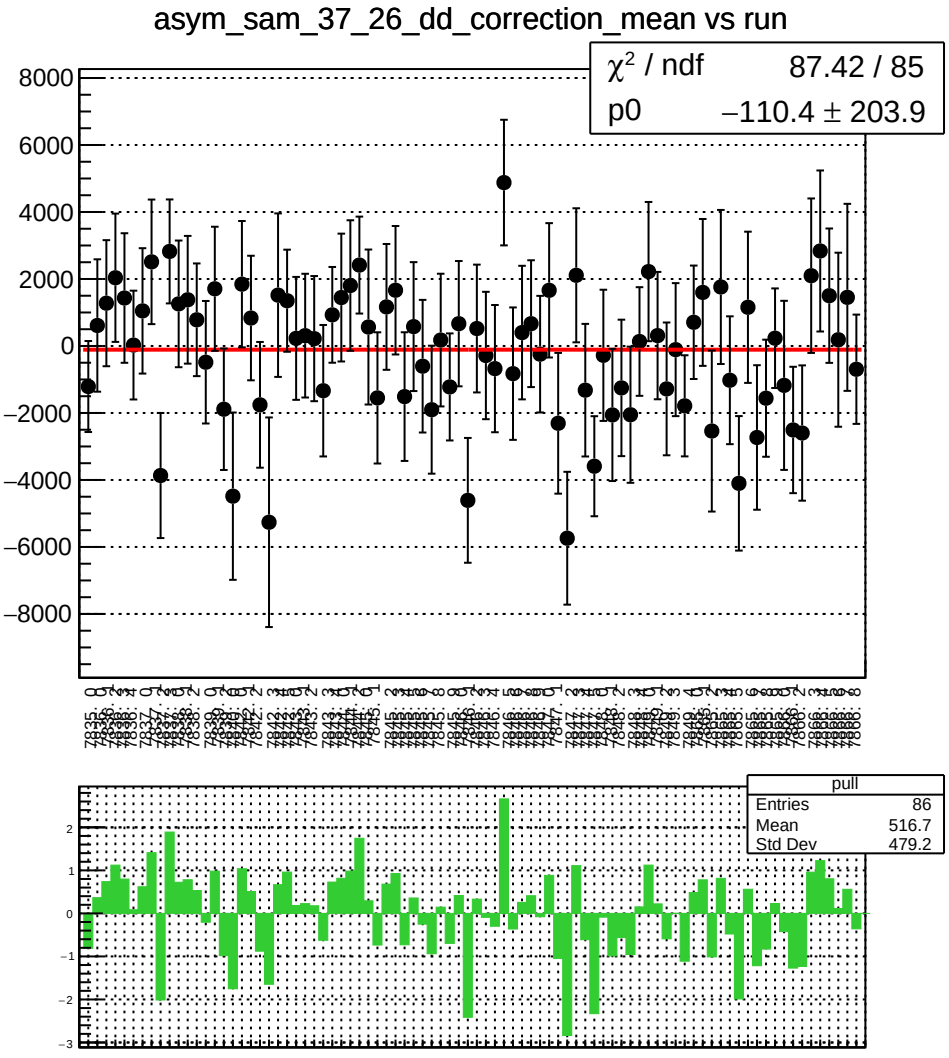
asym_sam_15_26_dd_rms vs run

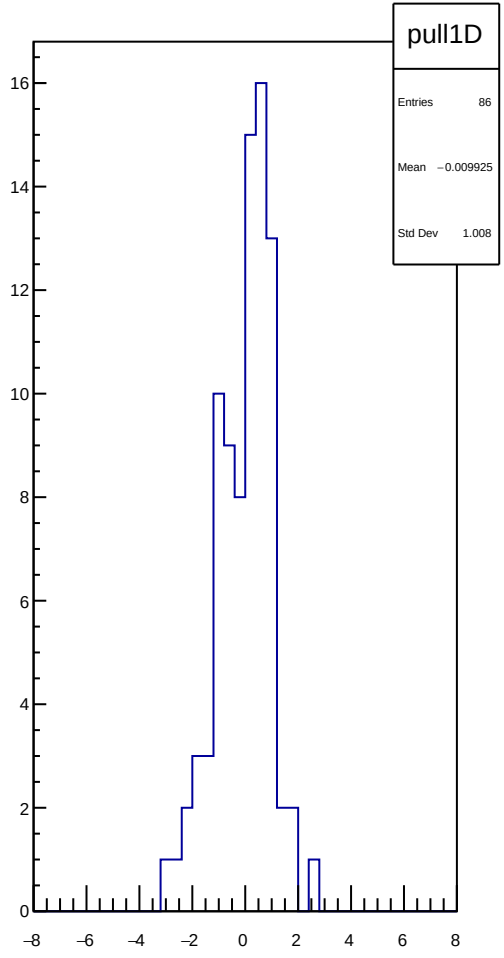


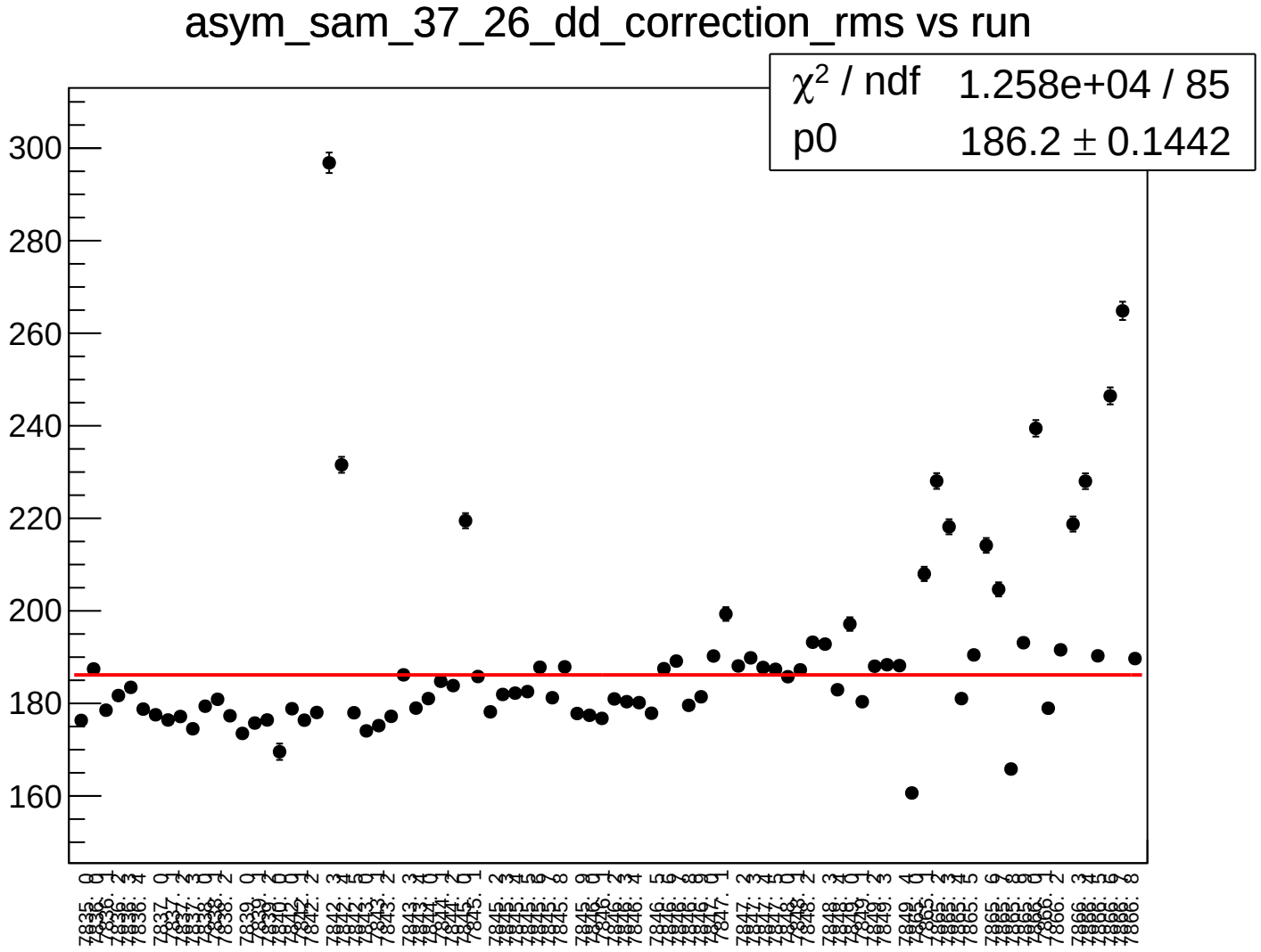

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 100.2 / 85
p0 −55.69 ± 68.38
2000
1000
0
−1000
−2000
pull
Entries 86
Mean −9.584
Std Dev 28.07
2
1
0
−1
−2
pull1D
Entries 86
Mean 0.02233
Std Dev 1.079
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

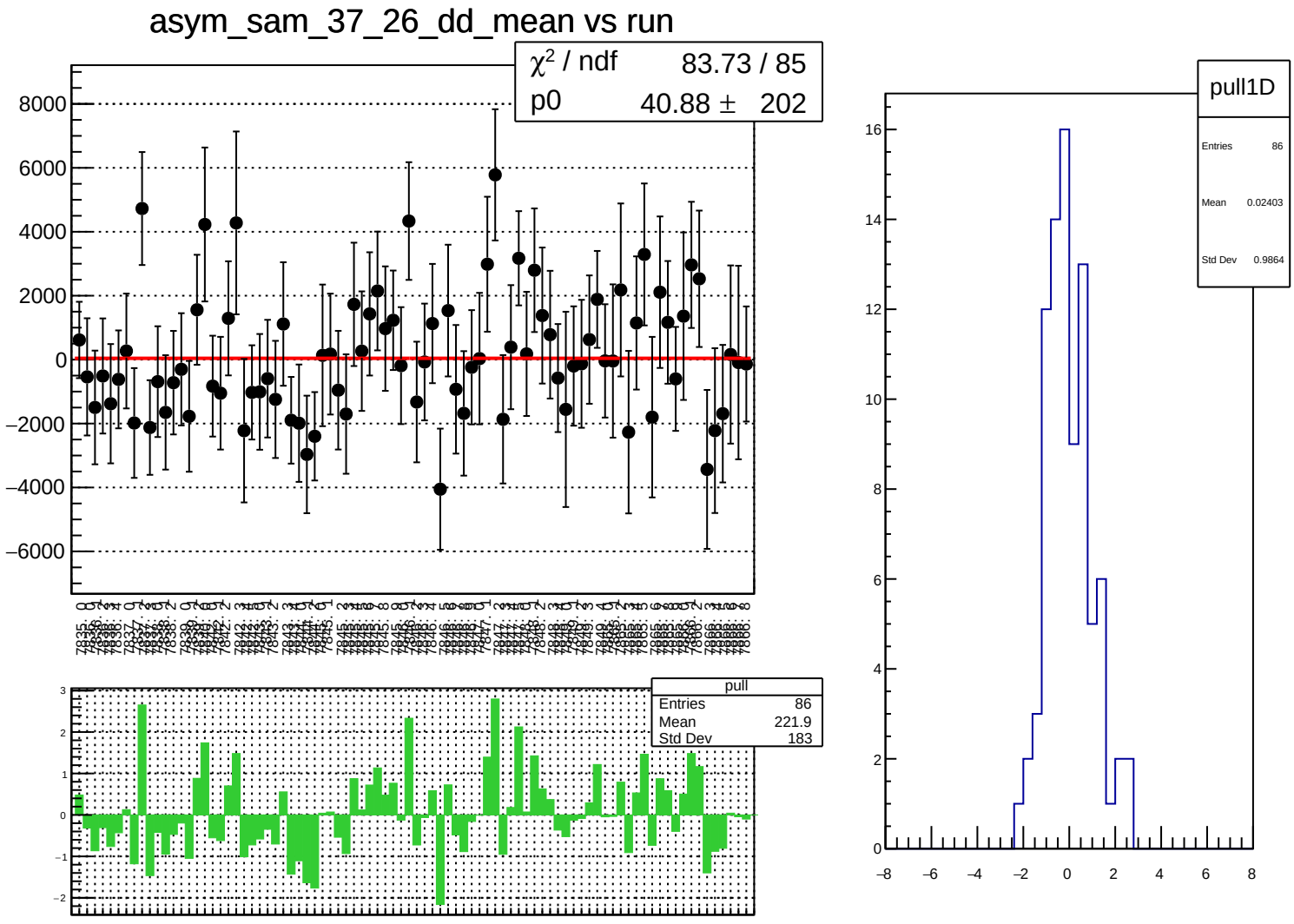
dit_asym_sam_37_26_dd_rms vs run



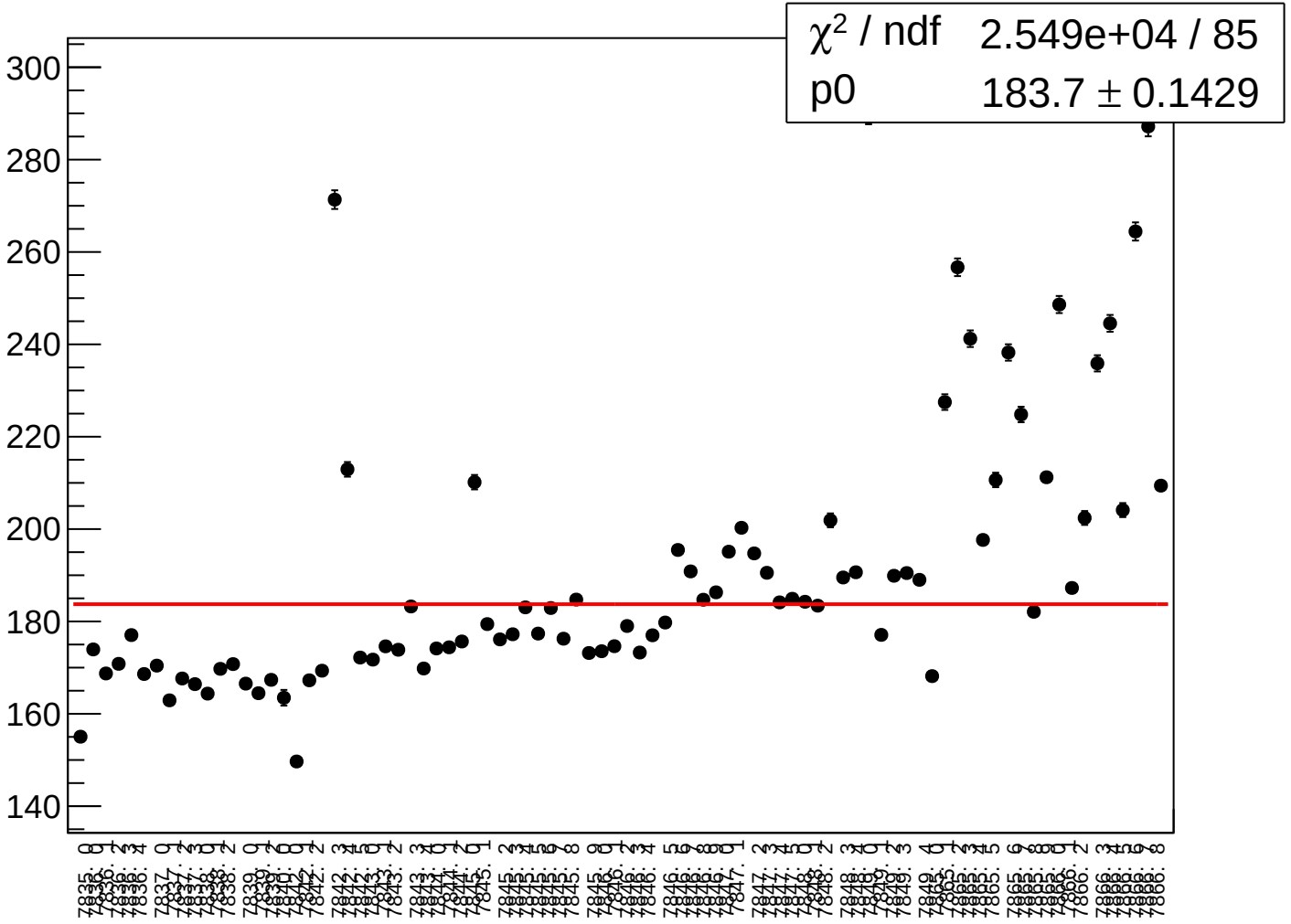

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 87.42 / 85
p0 −110.4 ± 203.9
pull
Entries 86
Mean 516.7
Std Dev 479.2

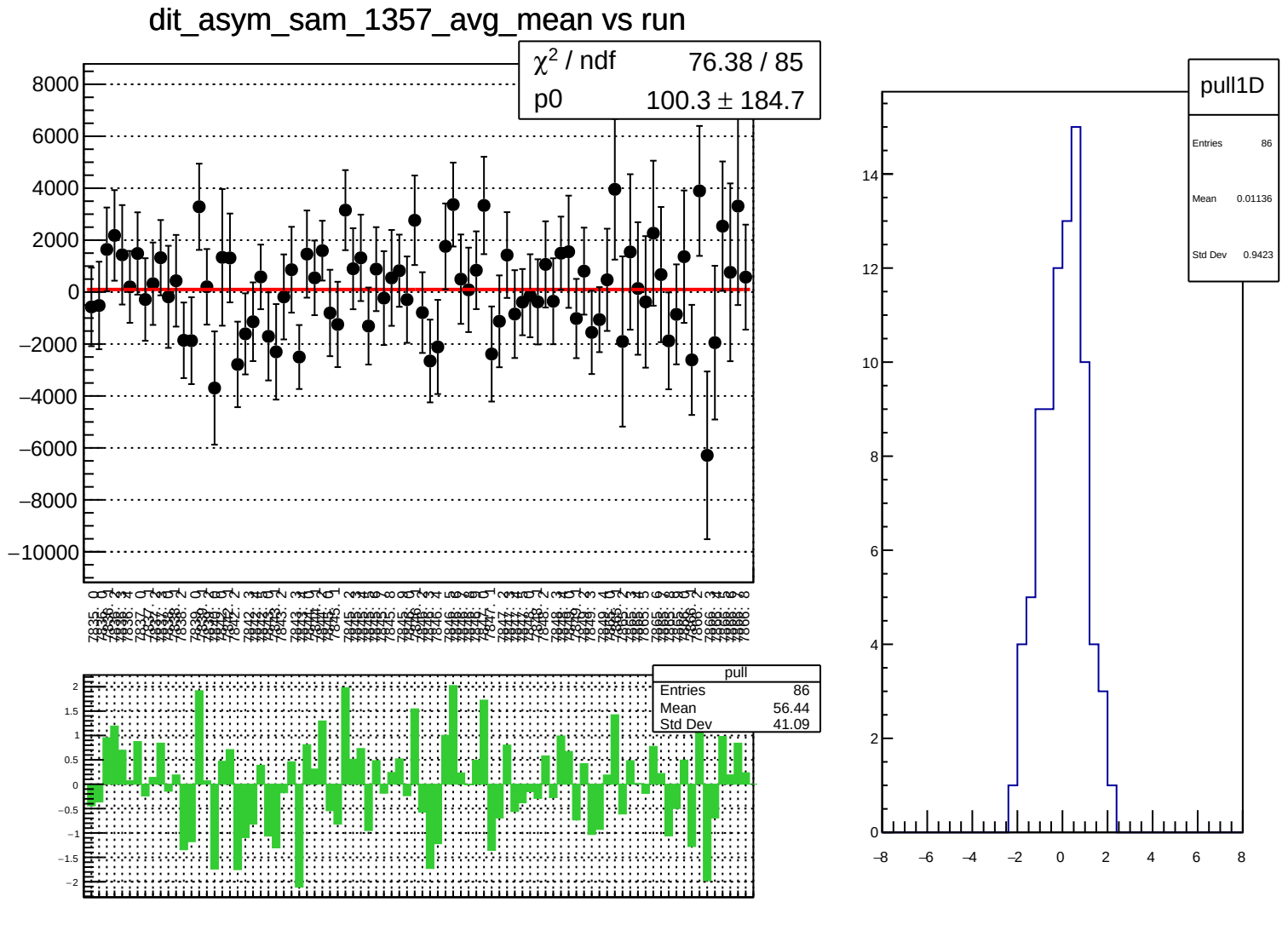

pull1D
Entries 86
Mean −0.009925
Std Dev 1.008


asym_sam_37_26_dd_correction_rms vs run
χ^2 / ndf 1.258e+04 / 85
p0 186.2 ± 0.1442
300
280
260
240
220
200
180
160

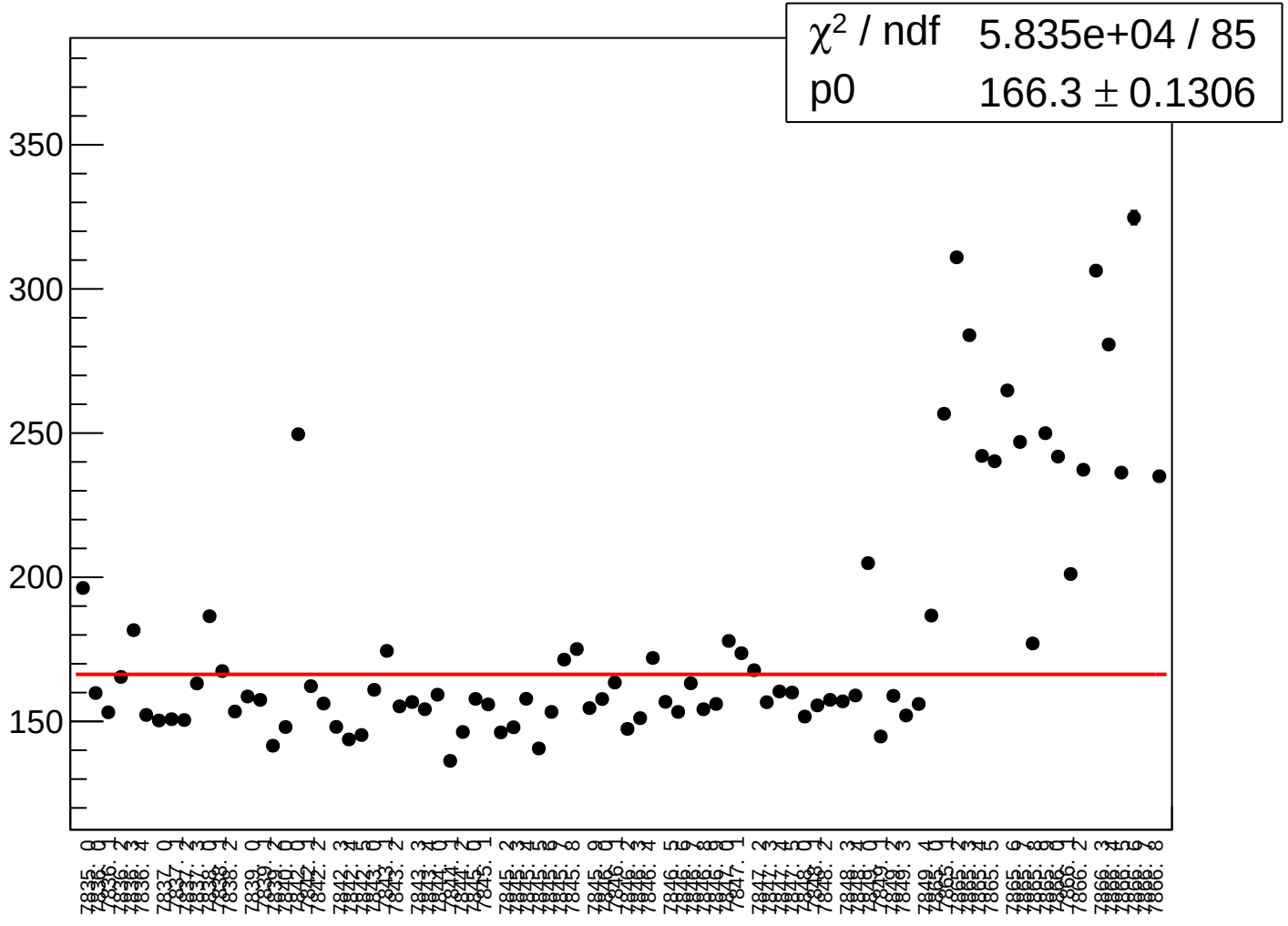

asym_sam_37_26_dd_mean vs run
χ² / ndf 83.73 / 85
p0 40.88 ± 202
pull
Entries 86
Mean 221.9
Std Dev 183
pull1D
Entries 86
Mean 0.02403
Std Dev 0.9864

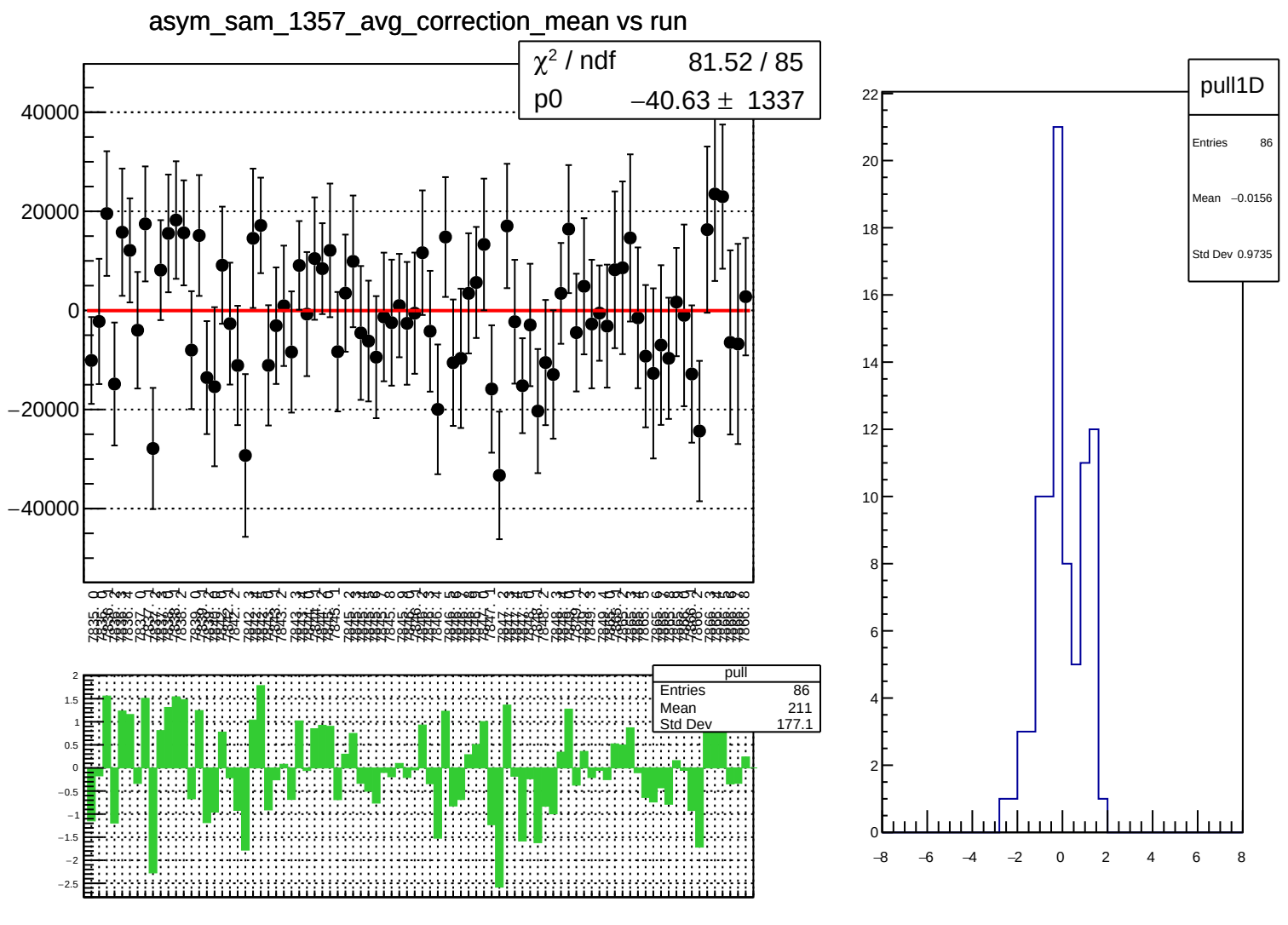
asym_sam_37_26_dd_rms vs run



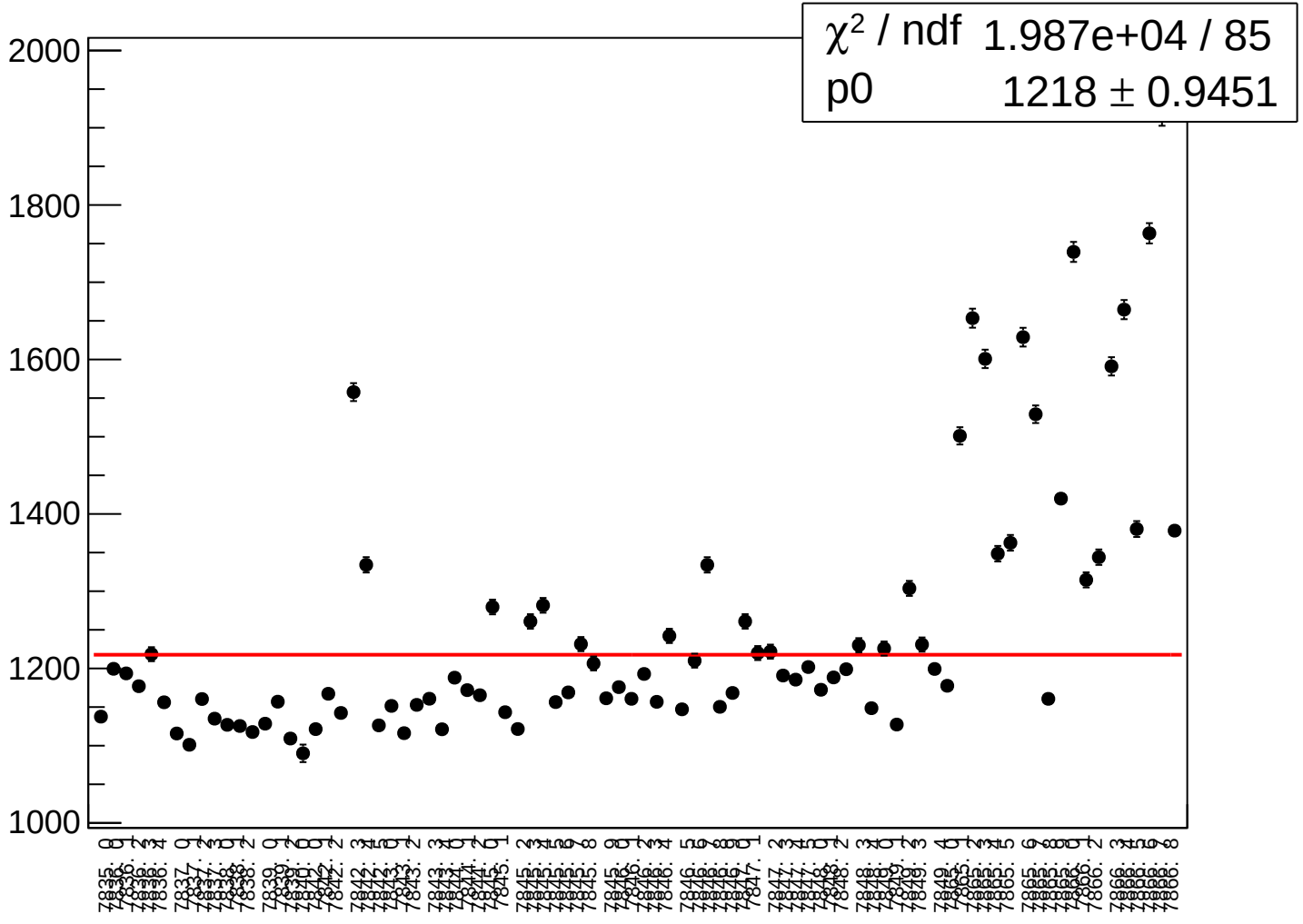

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 76.38 / 85
p0 100.3 ± 184.7
pull
Entries 86
Mean 56.44
Std Dev 41.09
pull1D
Entries 86
Mean 0.01136
Std Dev 0.9423

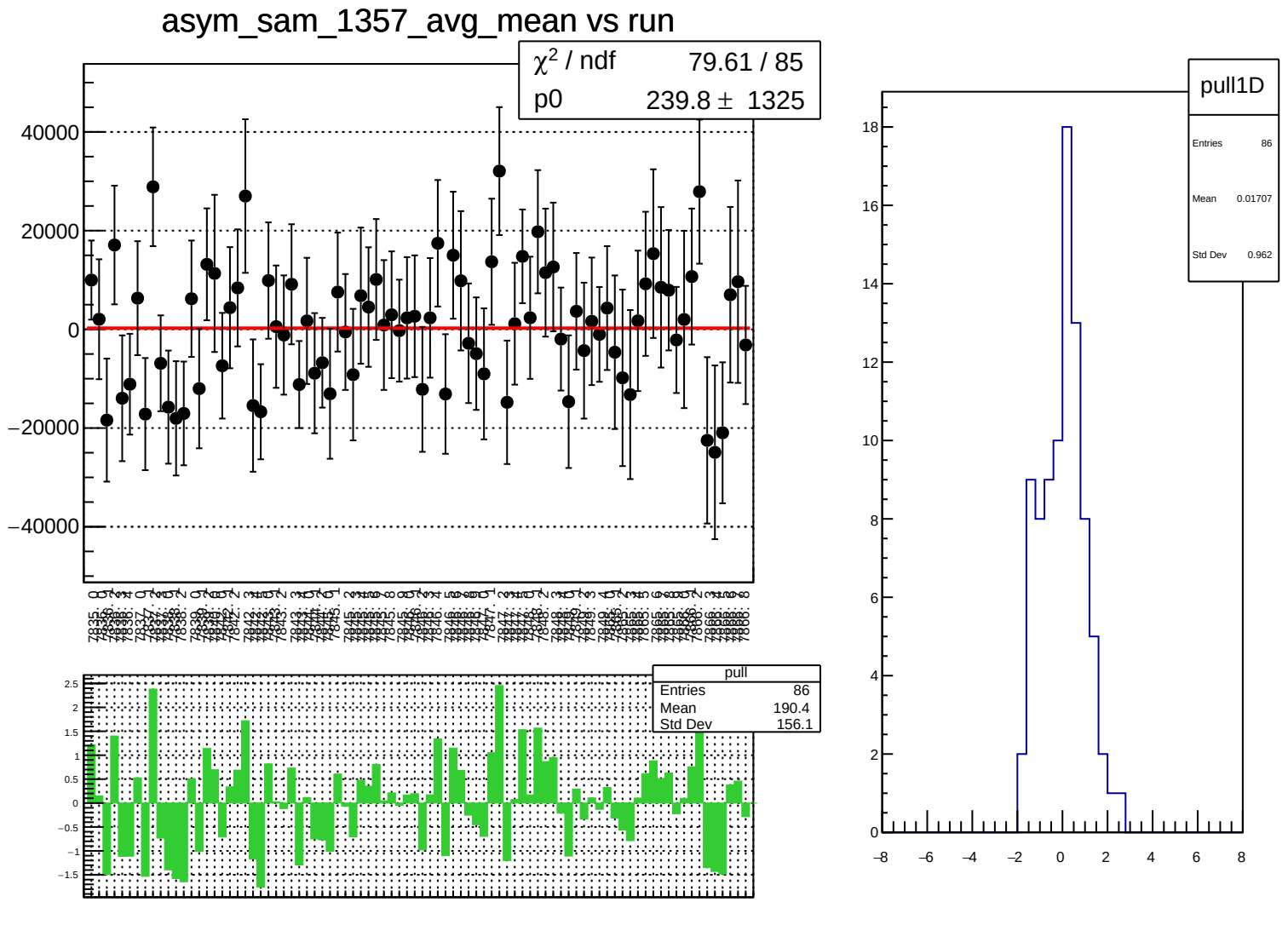
dit_asym_sam_1357_avg_rms vs run



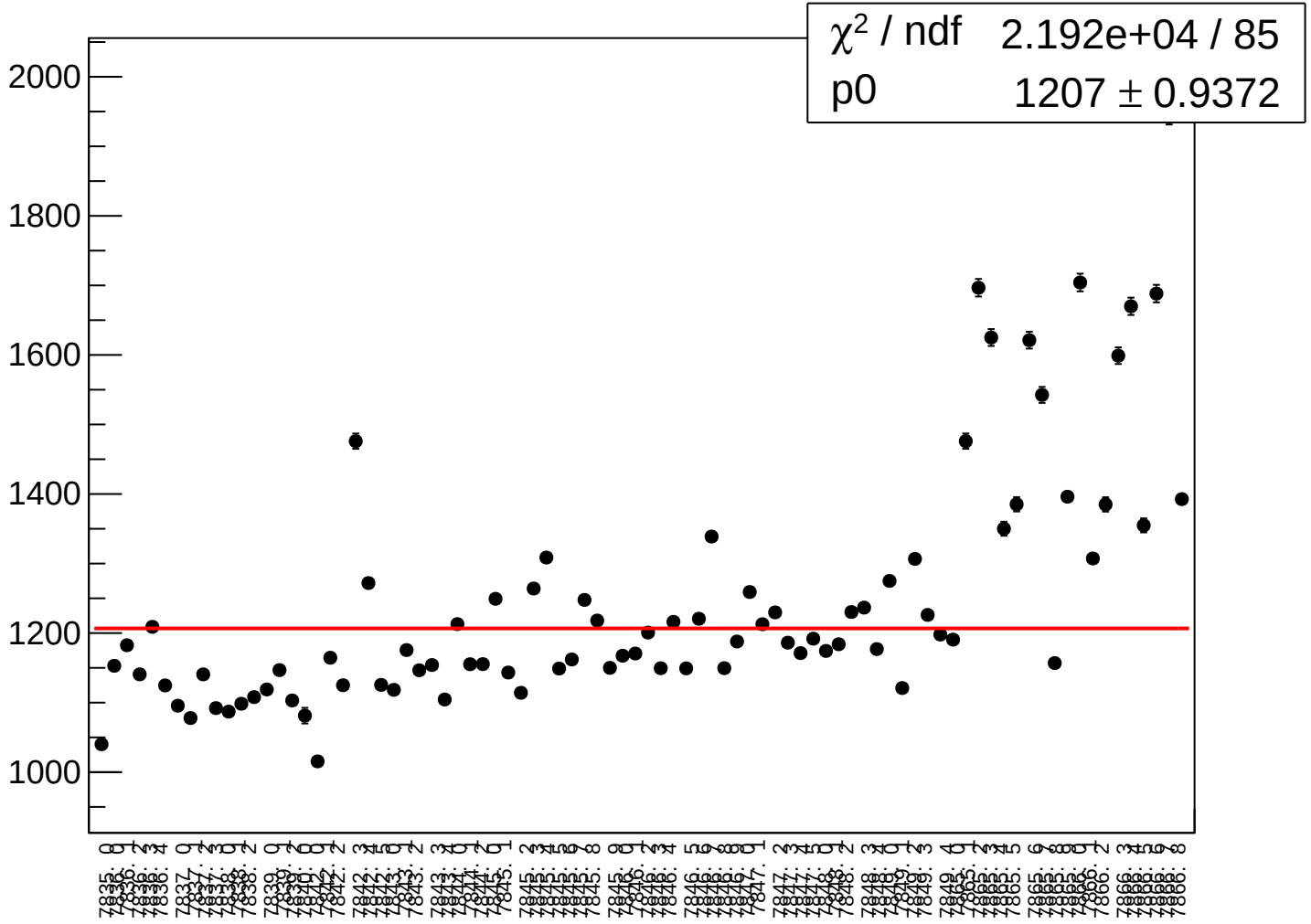

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 81.52 / 85
p0 −40.63 ± 1337
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 211
Std Dev 177.1
pull1D
Entries 86
Mean −0.0156
Std Dev 0.9735

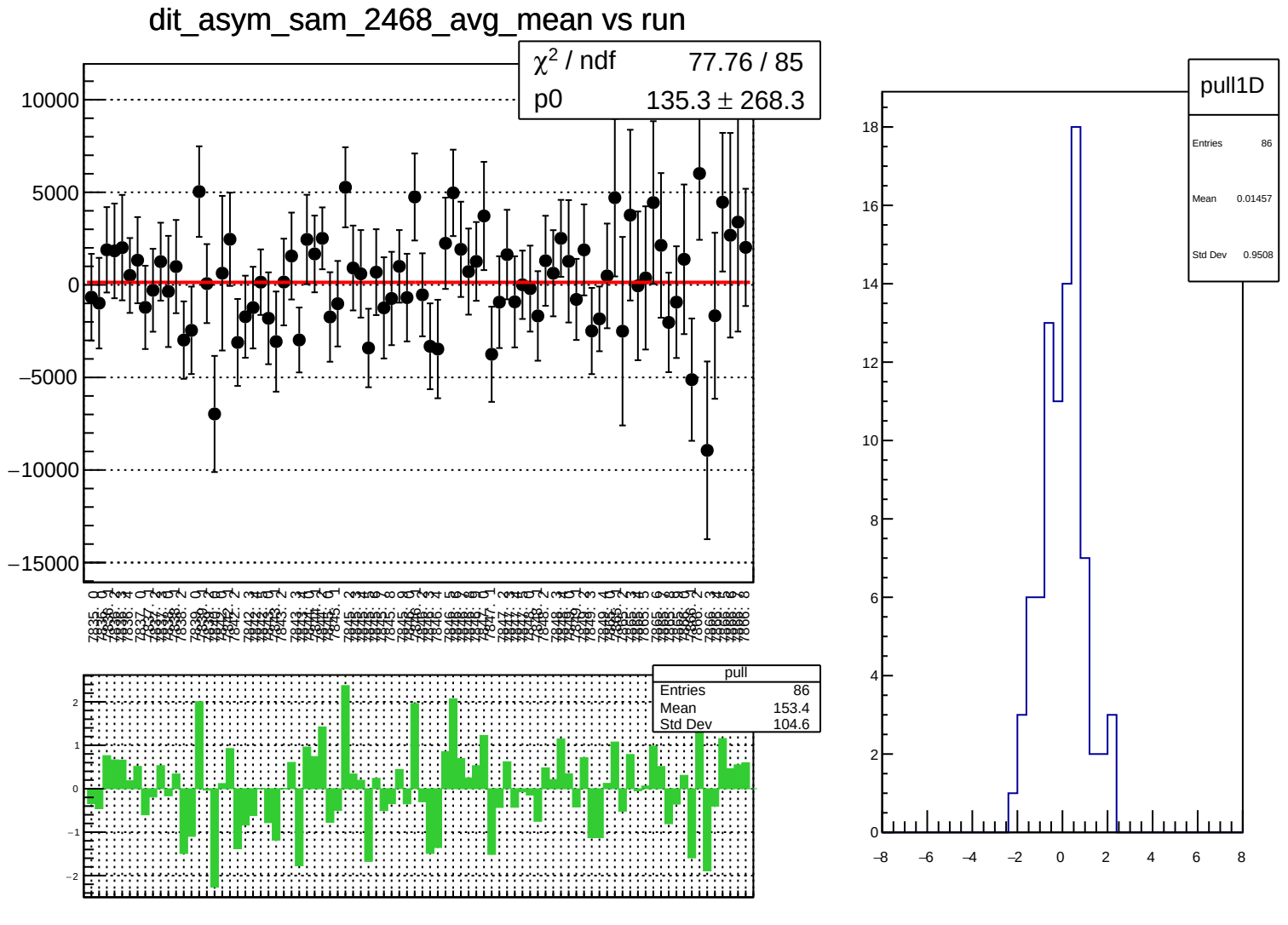
asym_sam_1357_avg_correction_rms vs run



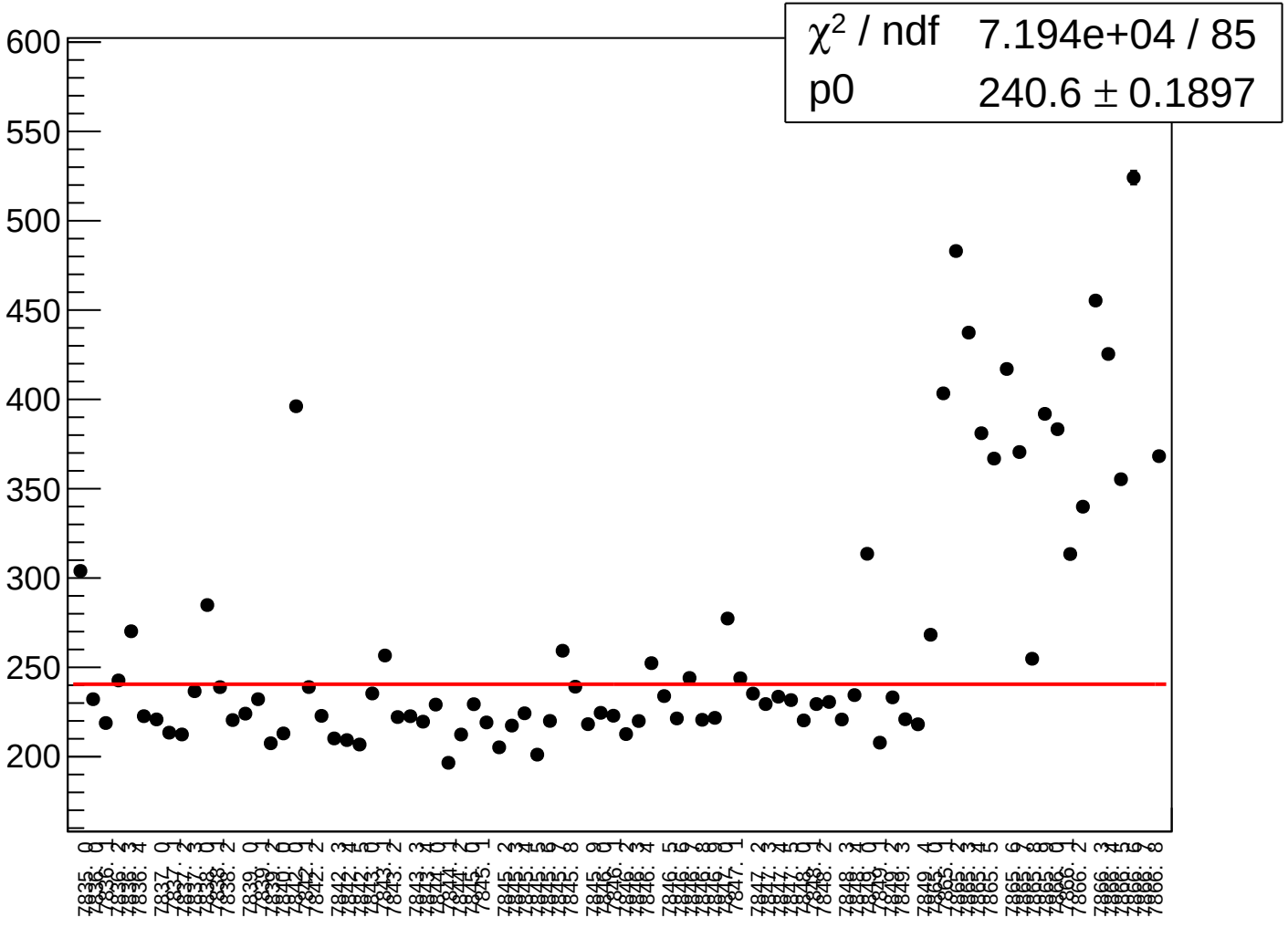

asym_sam_1357_avg_mean vs run
χ² / ndf 79.61 / 85
p0 239.8 ± 1325
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 190.4
Std Dev 156.1
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 86
Mean 0.01707
Std Dev 0.962
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

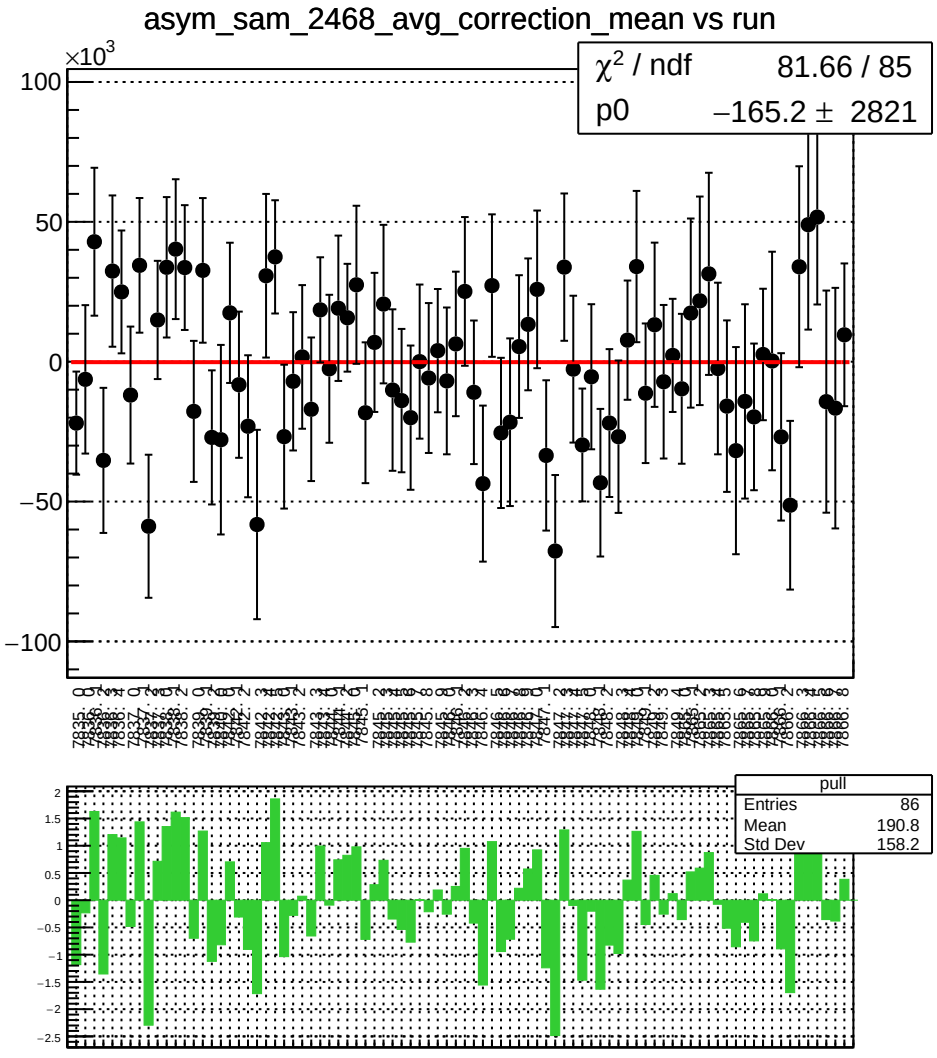
asym_sam_1357_avg_rms vs run

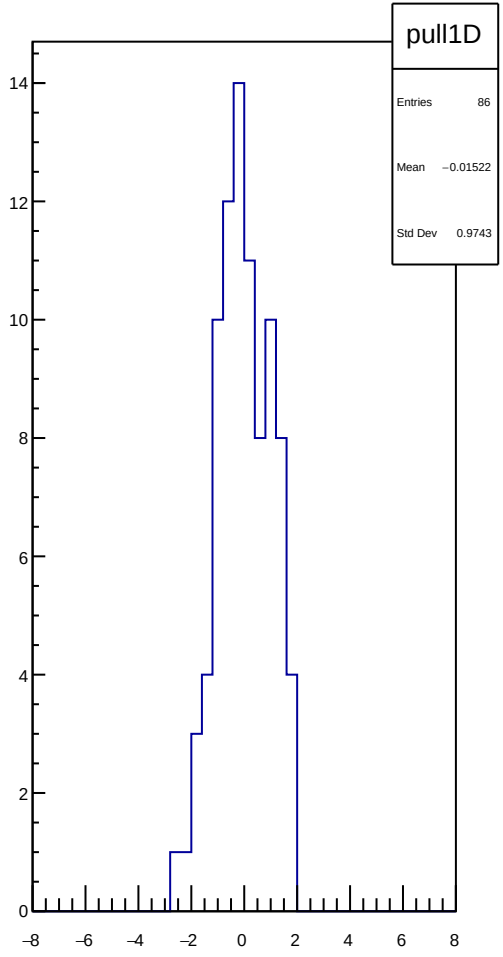



dit_asym_sam_2468_avg_mean vs run
χ² / ndf 77.76 / 85
p0 135.3 ± 268.3
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean 153.4
Std Dev 104.6
2
1
0
−1
−2
pull1D
Entries 86
Mean 0.01457
Std Dev 0.9508
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

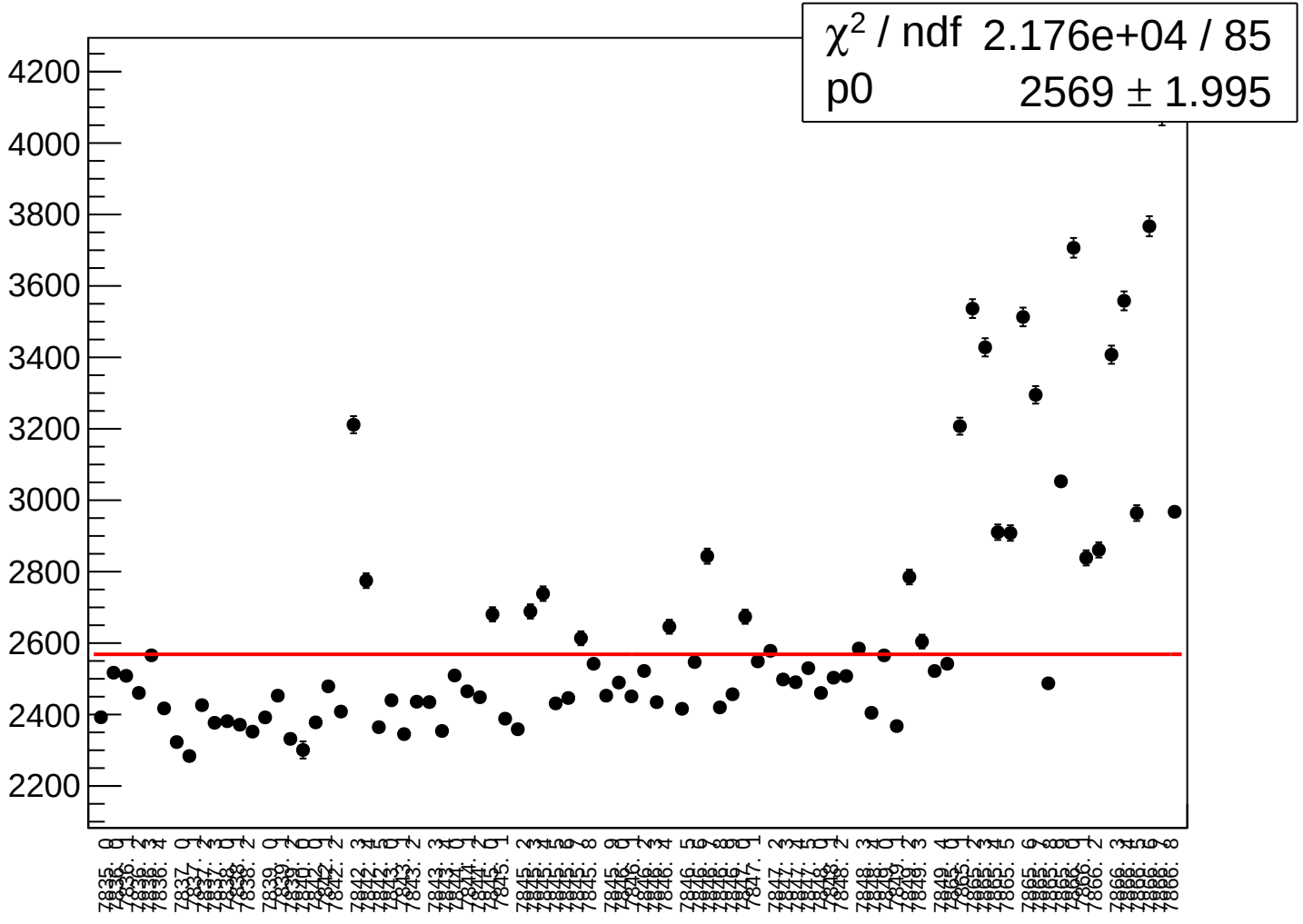
dit_asym_sam_2468_avg_rms vs run

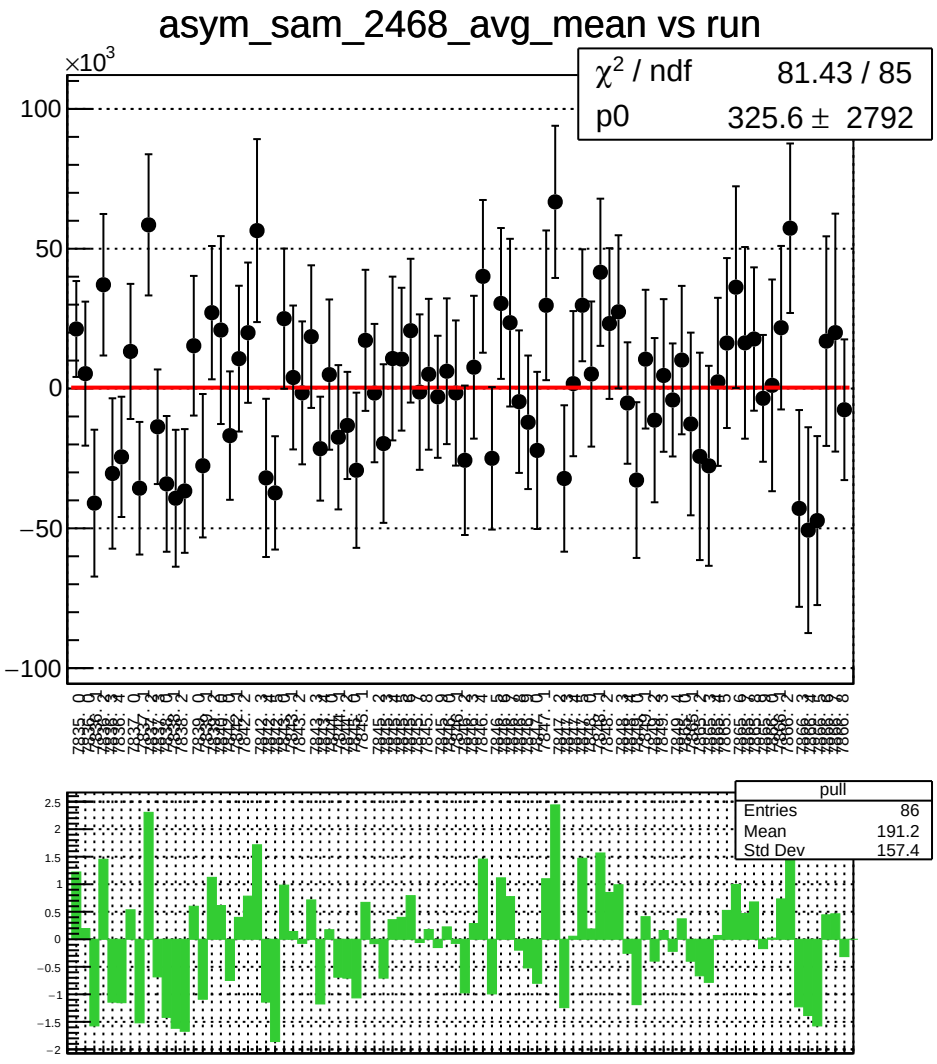


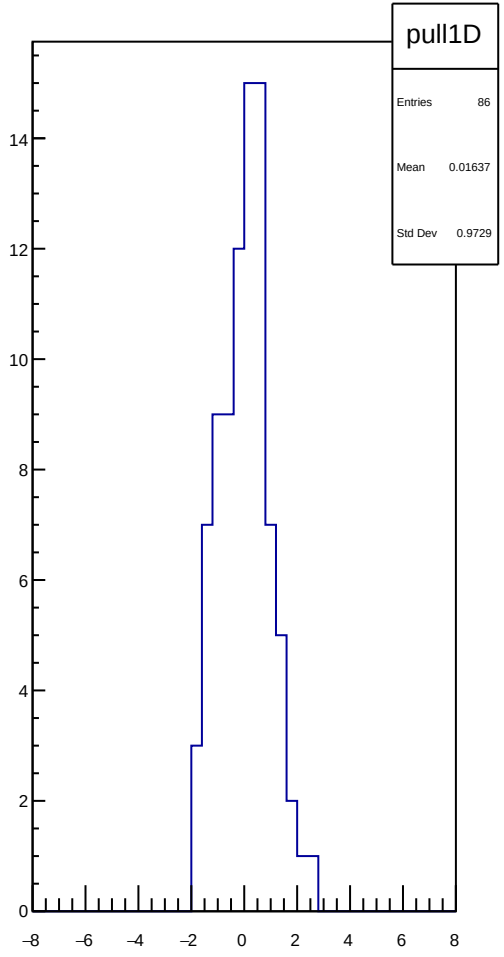

asym_sam_2468_avg_correction_mean vs run
×10^3
χ² / ndf 81.66 / 85
p0 −165.2 ± 2821
pull
Entries 86
Mean 190.8
Std Dev 158.2


pull1D
Entries 86
Mean −0.01522
Std Dev 0.9743

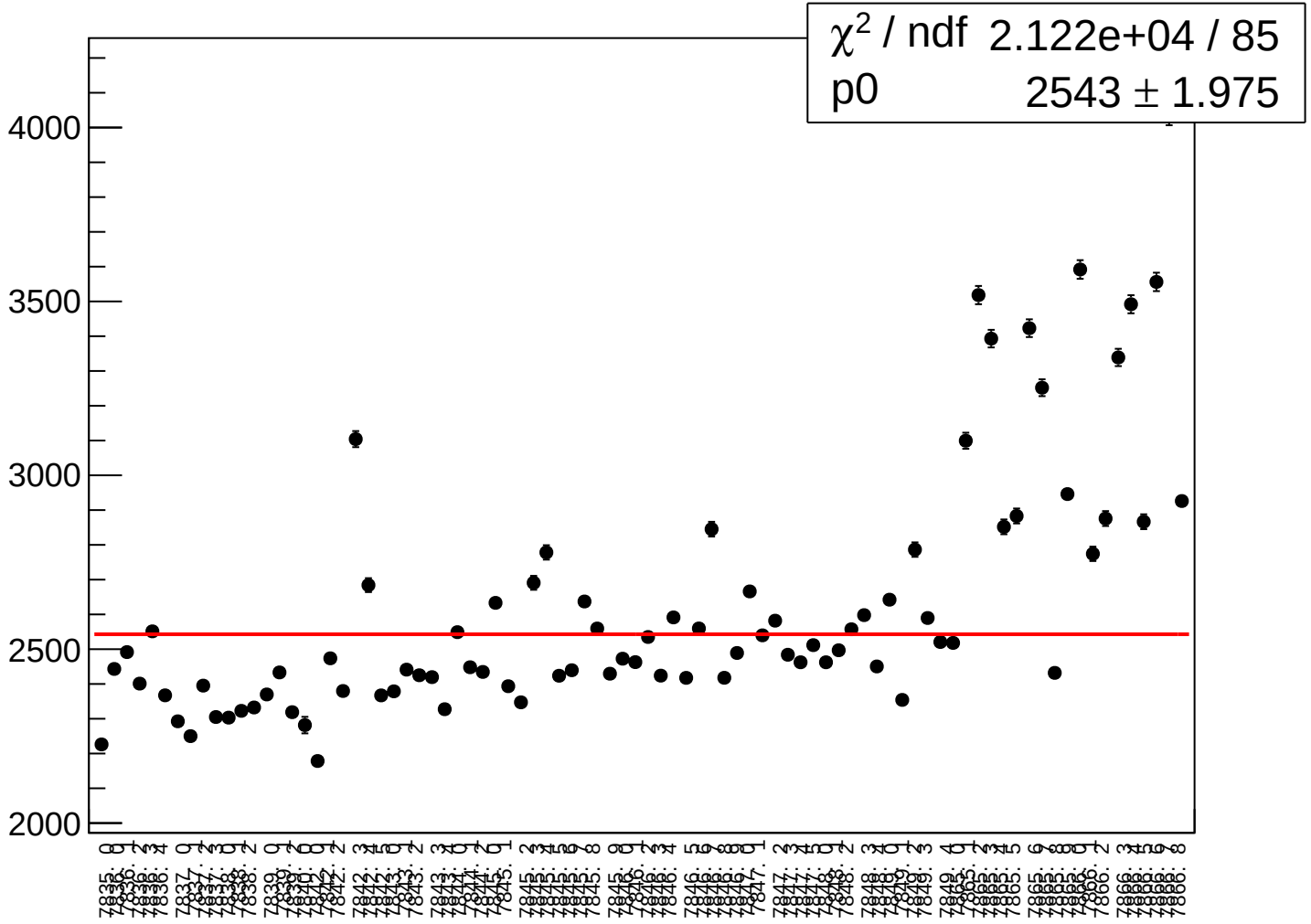
asym_sam_2468_avg_correction_rms vs run

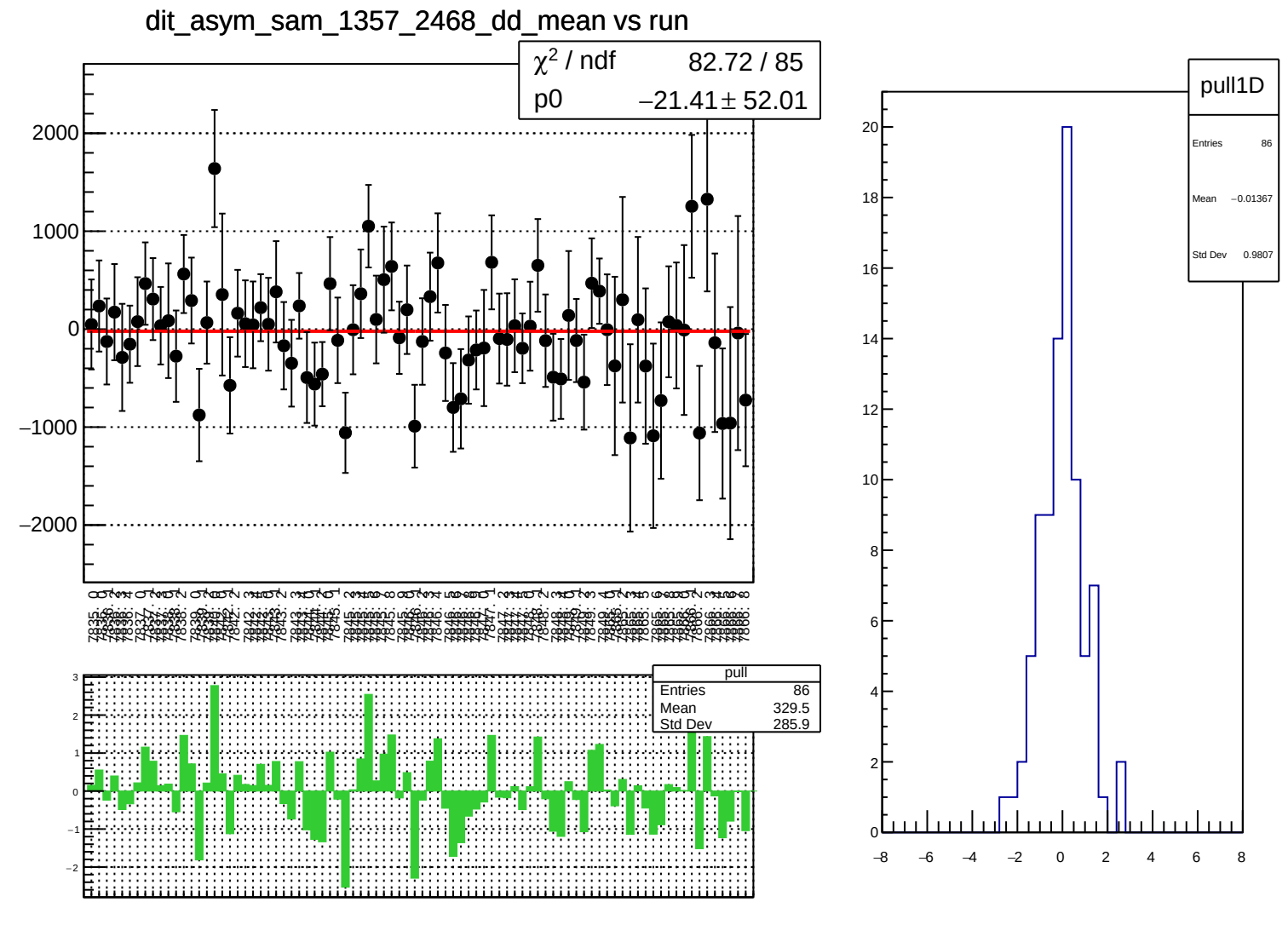



asym_sam_2468_avg_mean vs run
×10^3
χ² / ndf 81.43 / 85
p0 325.6 ± 2792
pull
Entries 86
Mean 191.2
Std Dev 157.4

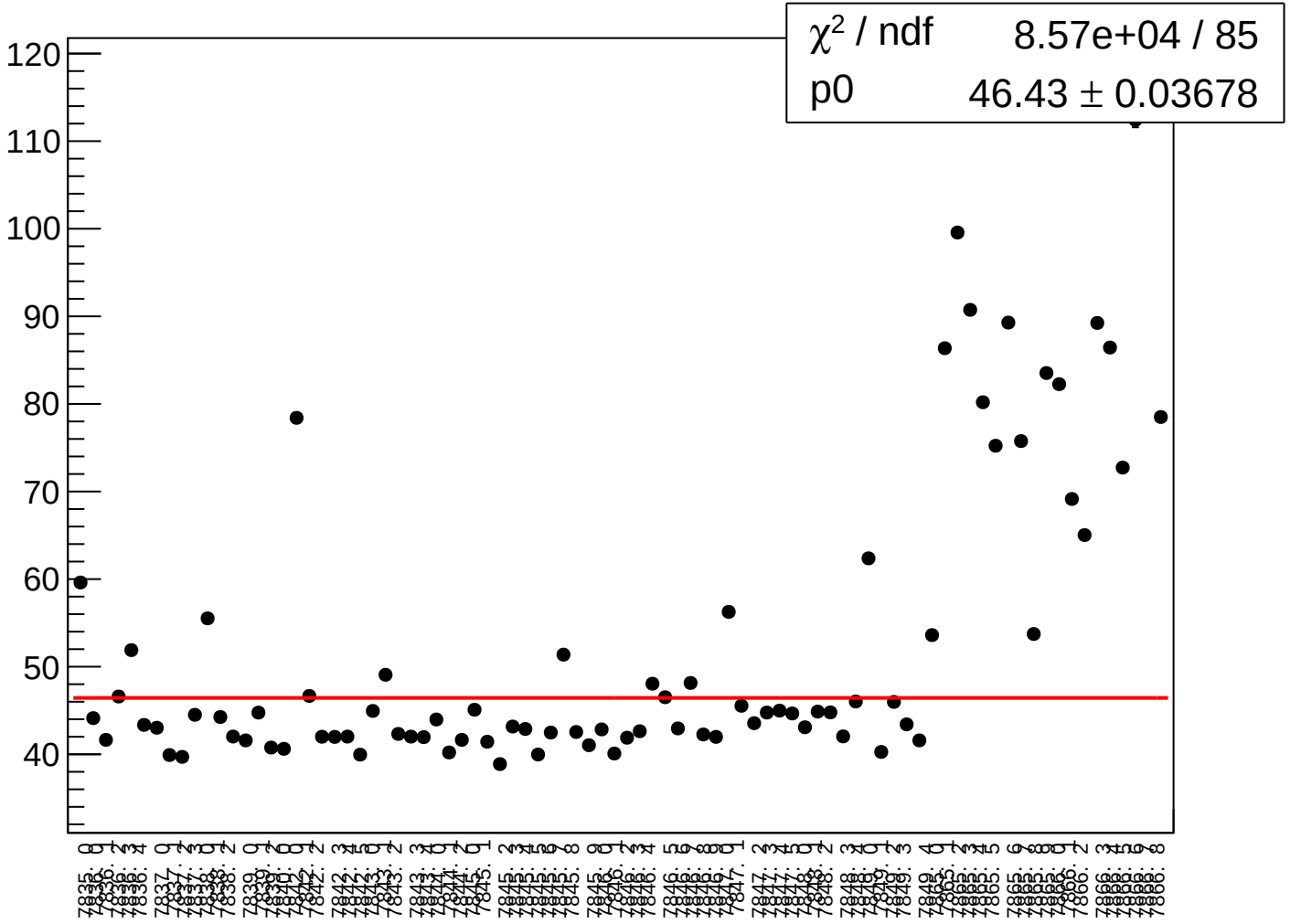

pull1D
Entries 86
Mean 0.01637
Std Dev 0.9729

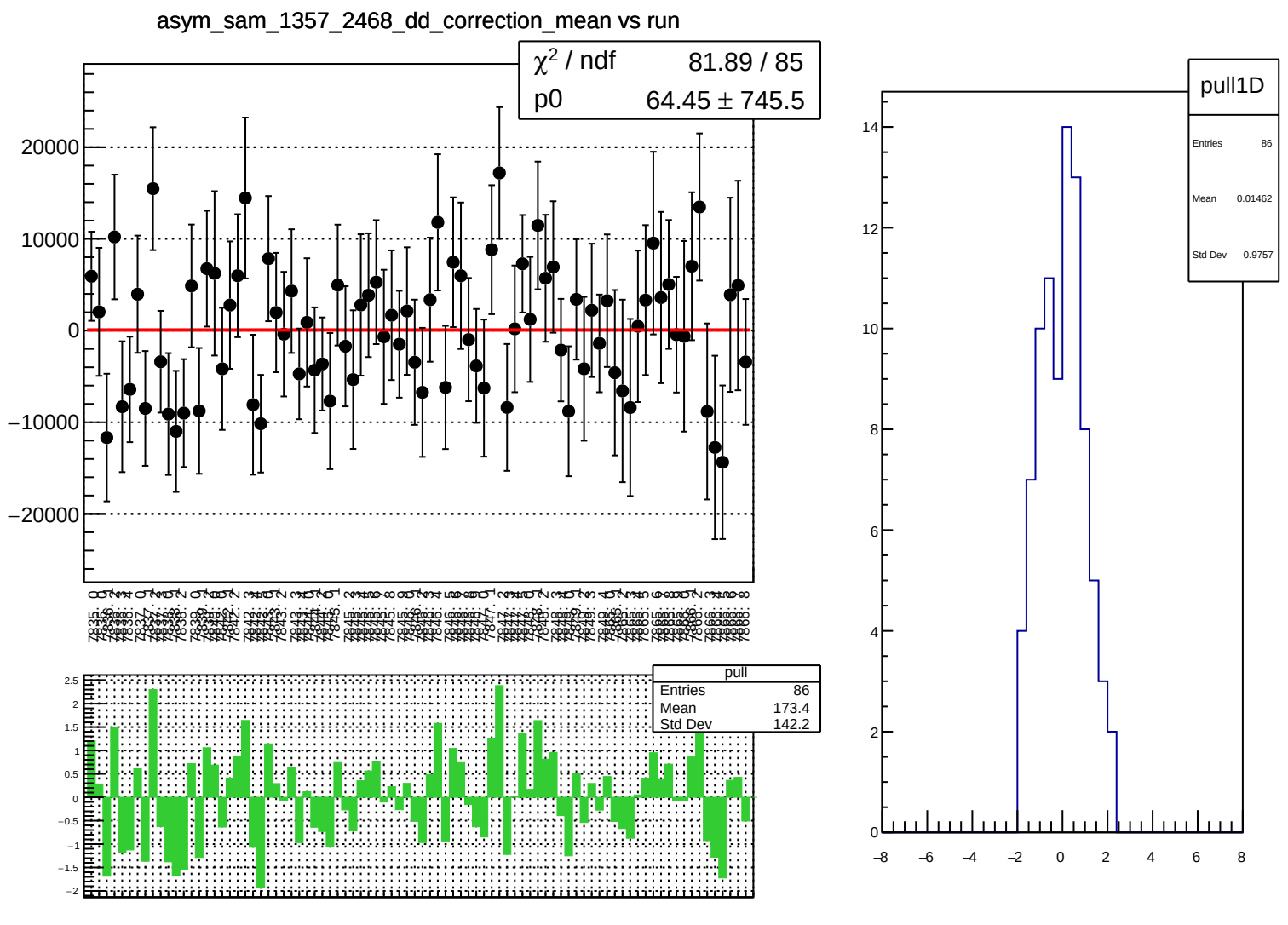
asym_sam_2468_avg_rms vs run



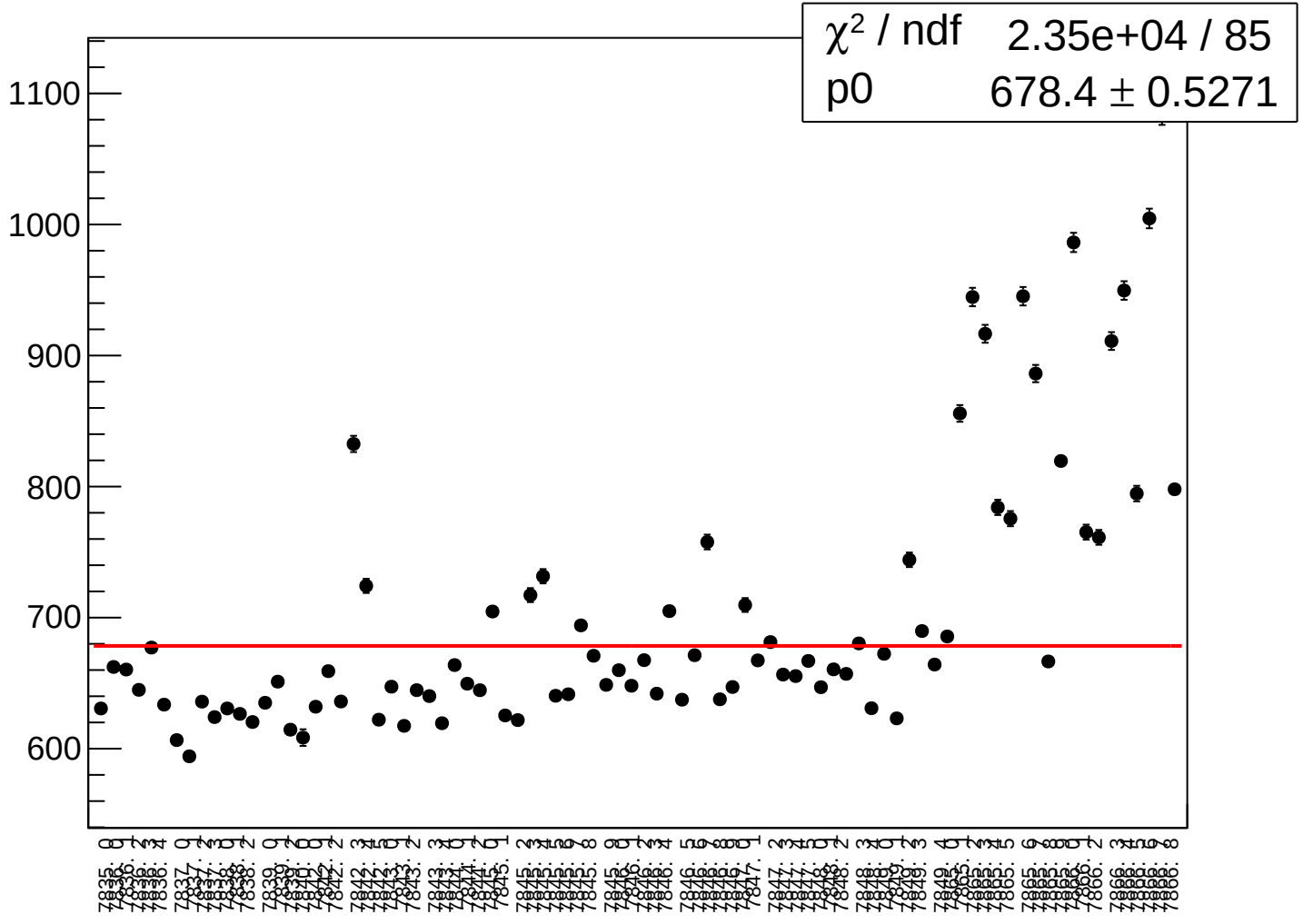

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 82.72 / 85
p0 −21.41 ± 52.01
pull
Entries 86
Mean 329.5
Std Dev 285.9
pull1D
Entries 86
Mean −0.01367
Std Dev 0.9807

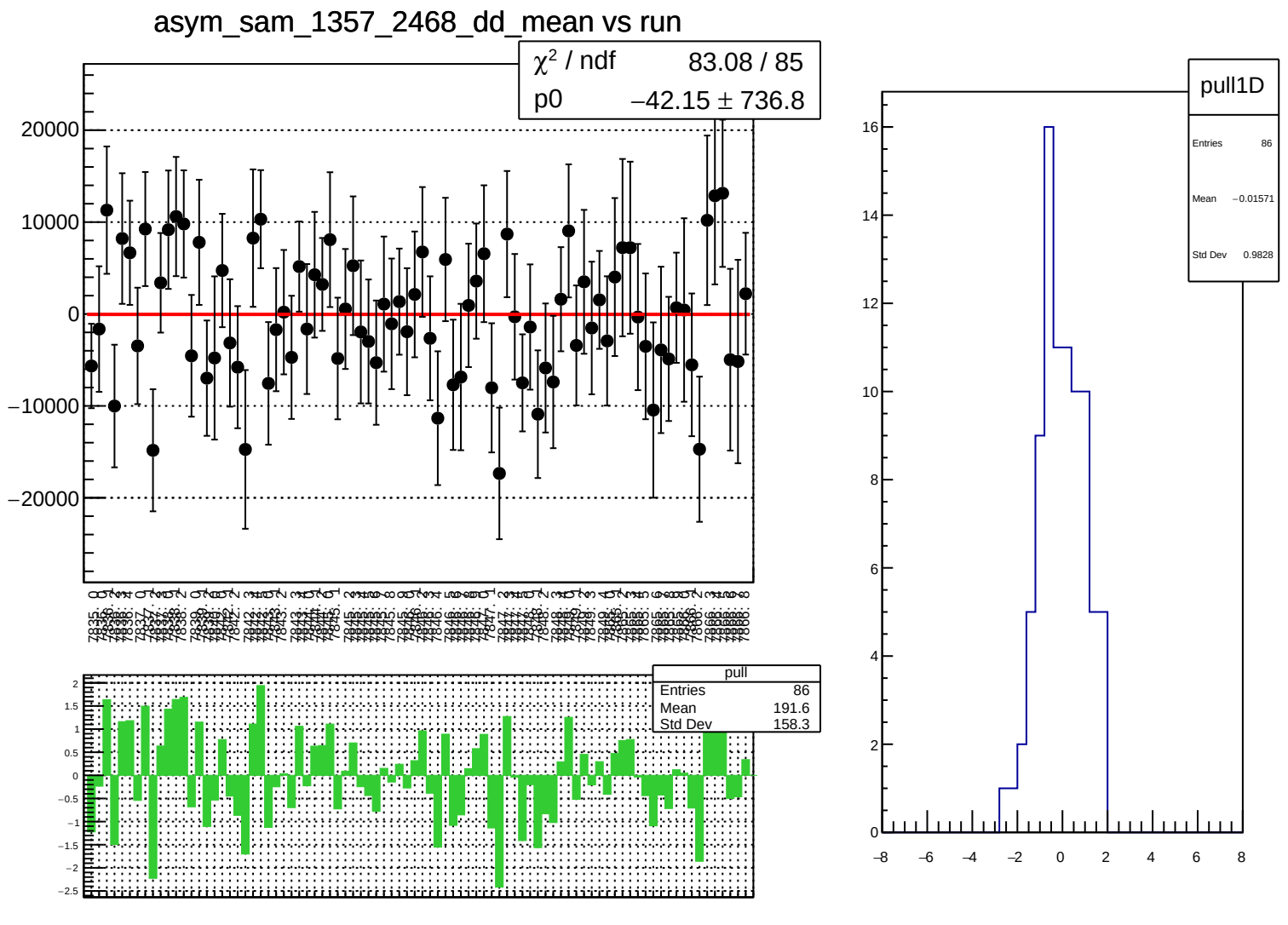
dit_asym_sam_1357_2468_dd_rms vs run



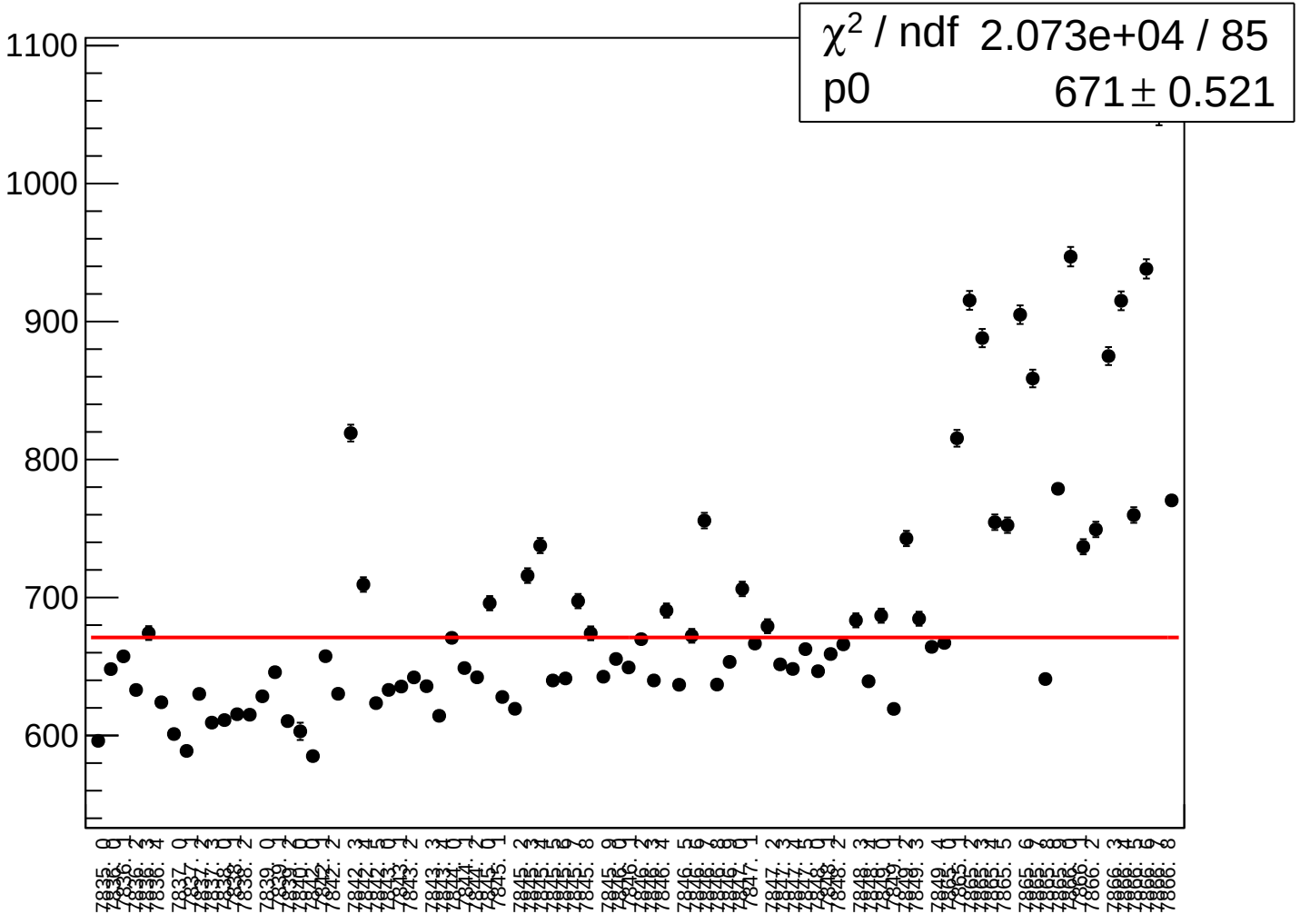

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 81.89 / 85
p0 64.45 ± 745.5
20000
10000
0
−10000
−20000
pull
Entries 86
Mean 173.4
Std Dev 142.2
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 86
Mean 0.01462
Std Dev 0.9757
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

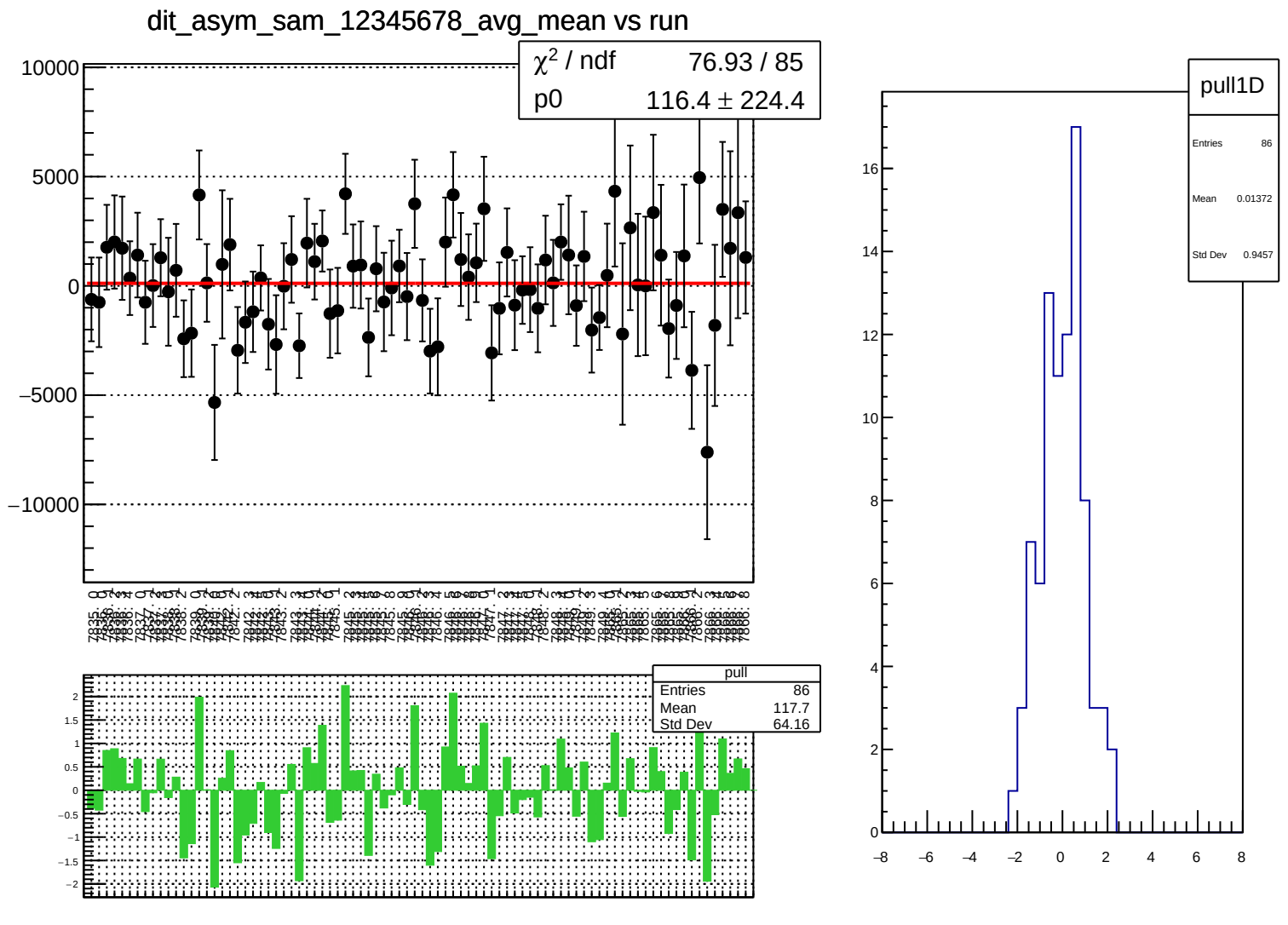
asym_sam_1357_2468_dd_correction_rms vs run



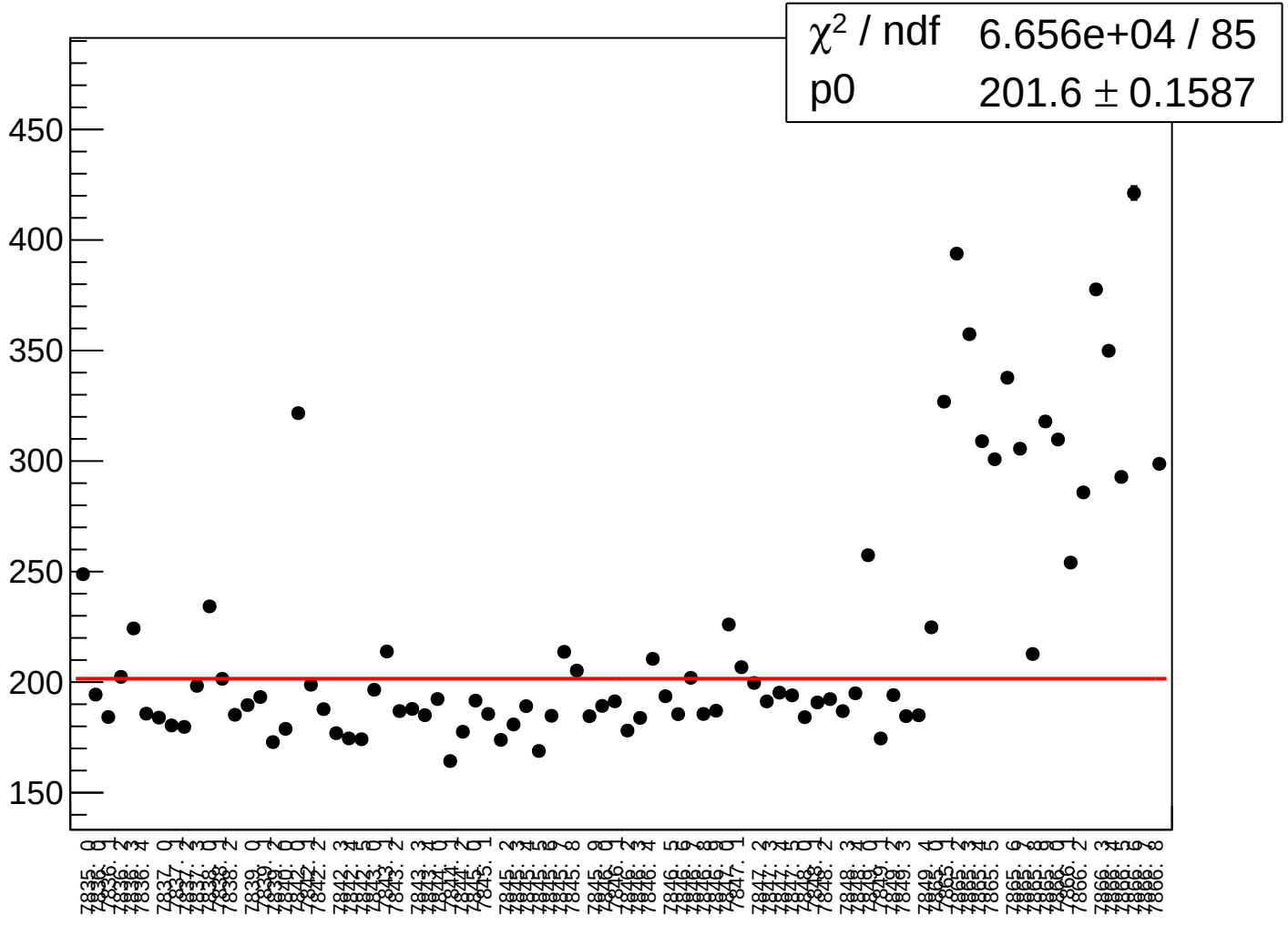

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 83.08 / 85
p0 −42.15 ± 736.8
20000
10000
0
−10000
−20000
pull
Entries 86
Mean 191.6
Std Dev 158.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 86
Mean −0.01571
Std Dev 0.9828
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

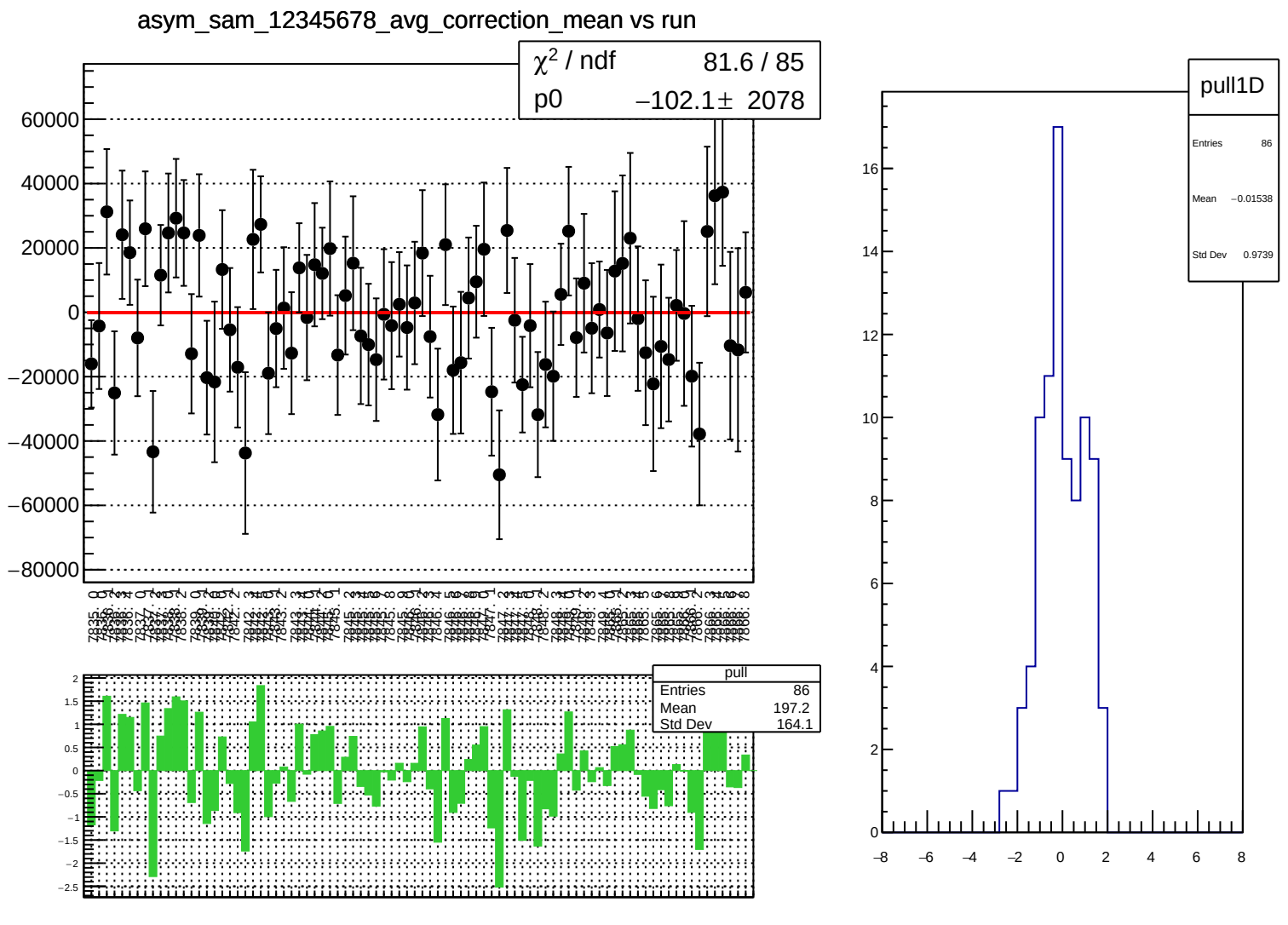
asym_sam_1357_2468_dd_rms vs run

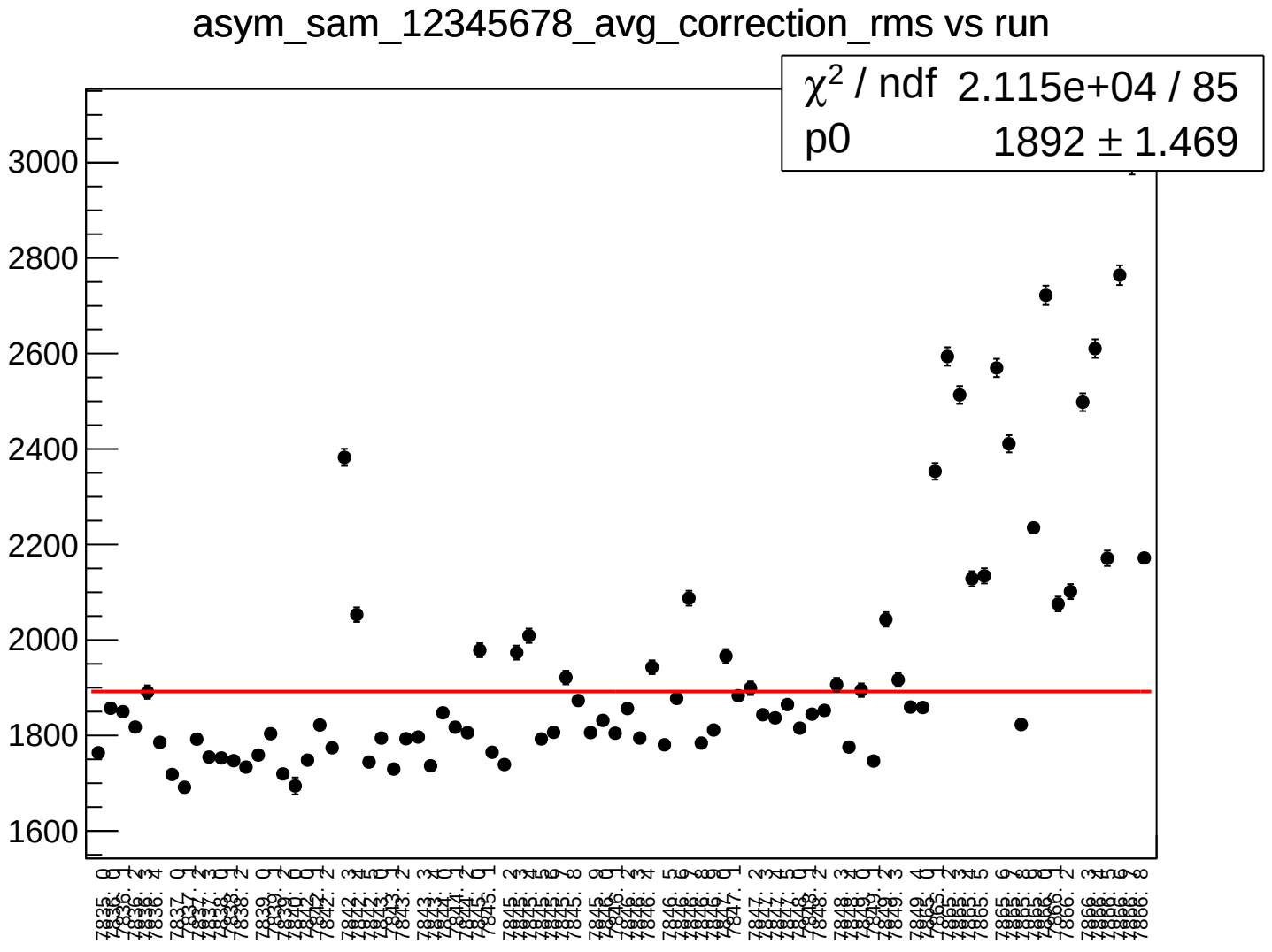


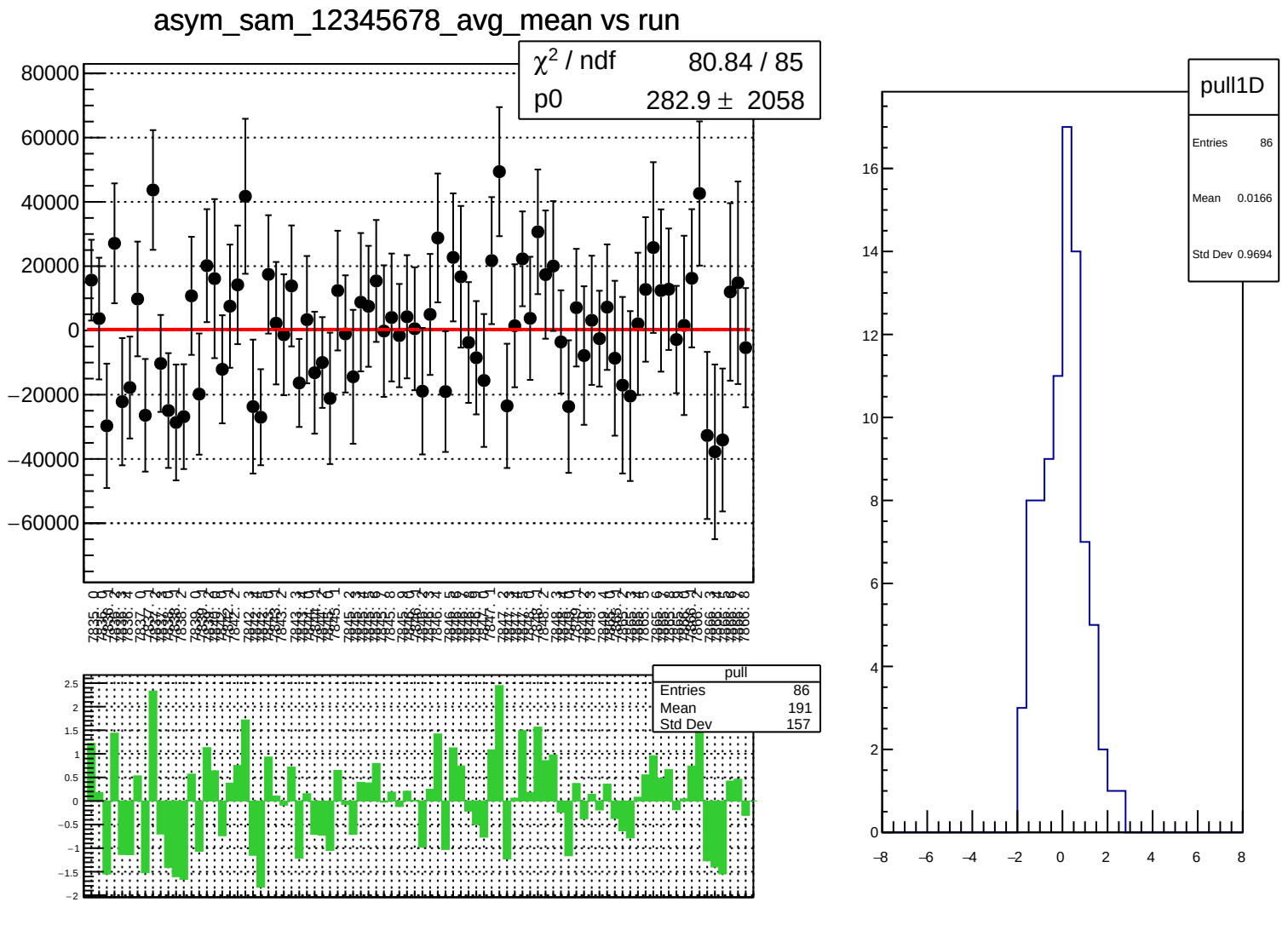

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 76.93 / 85
p0 116.4 ± 224.4
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 117.7
Std Dev 64.16
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 86
Mean 0.01372
Std Dev 0.9457
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_sam_12345678_avg_rms vs run

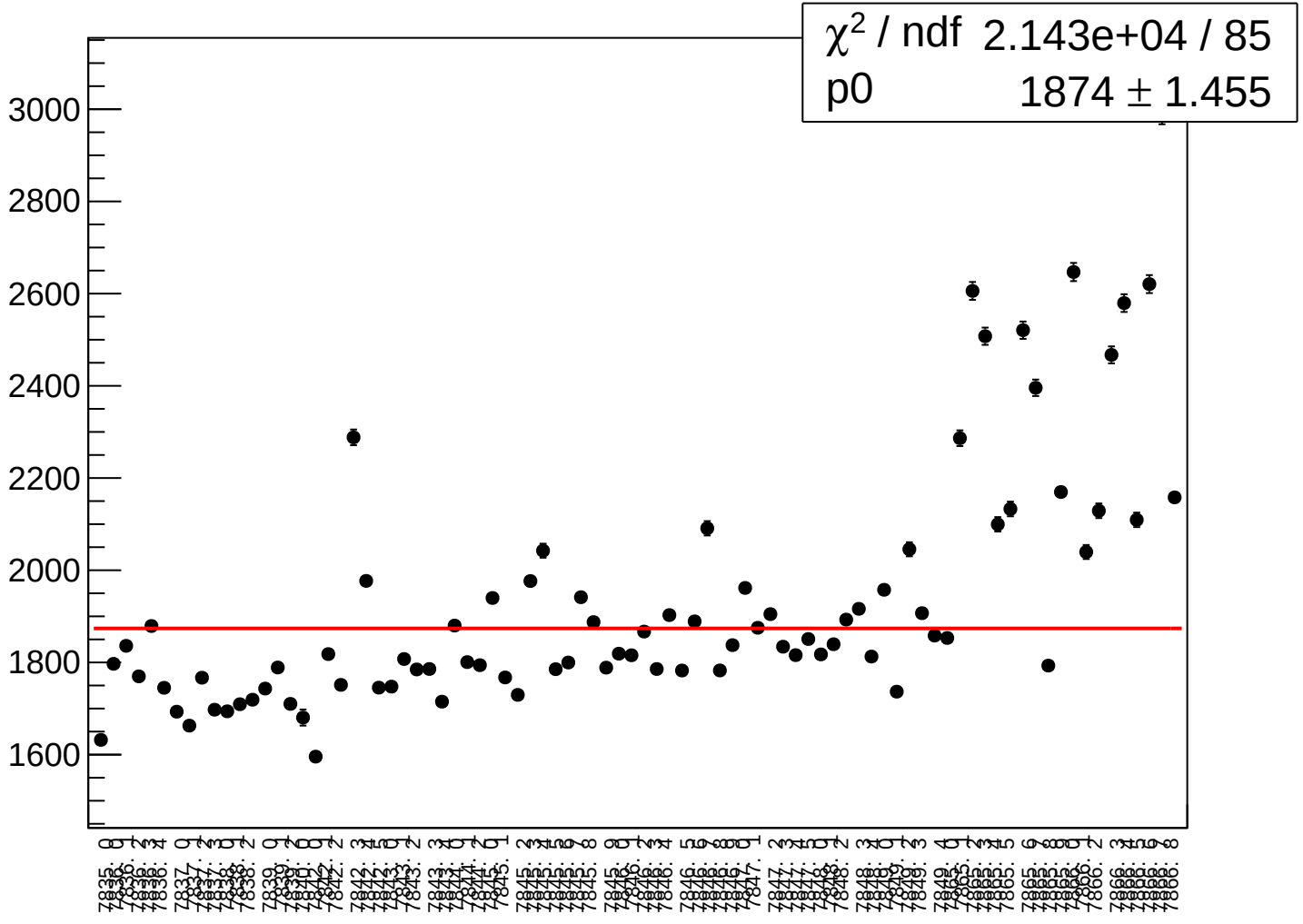


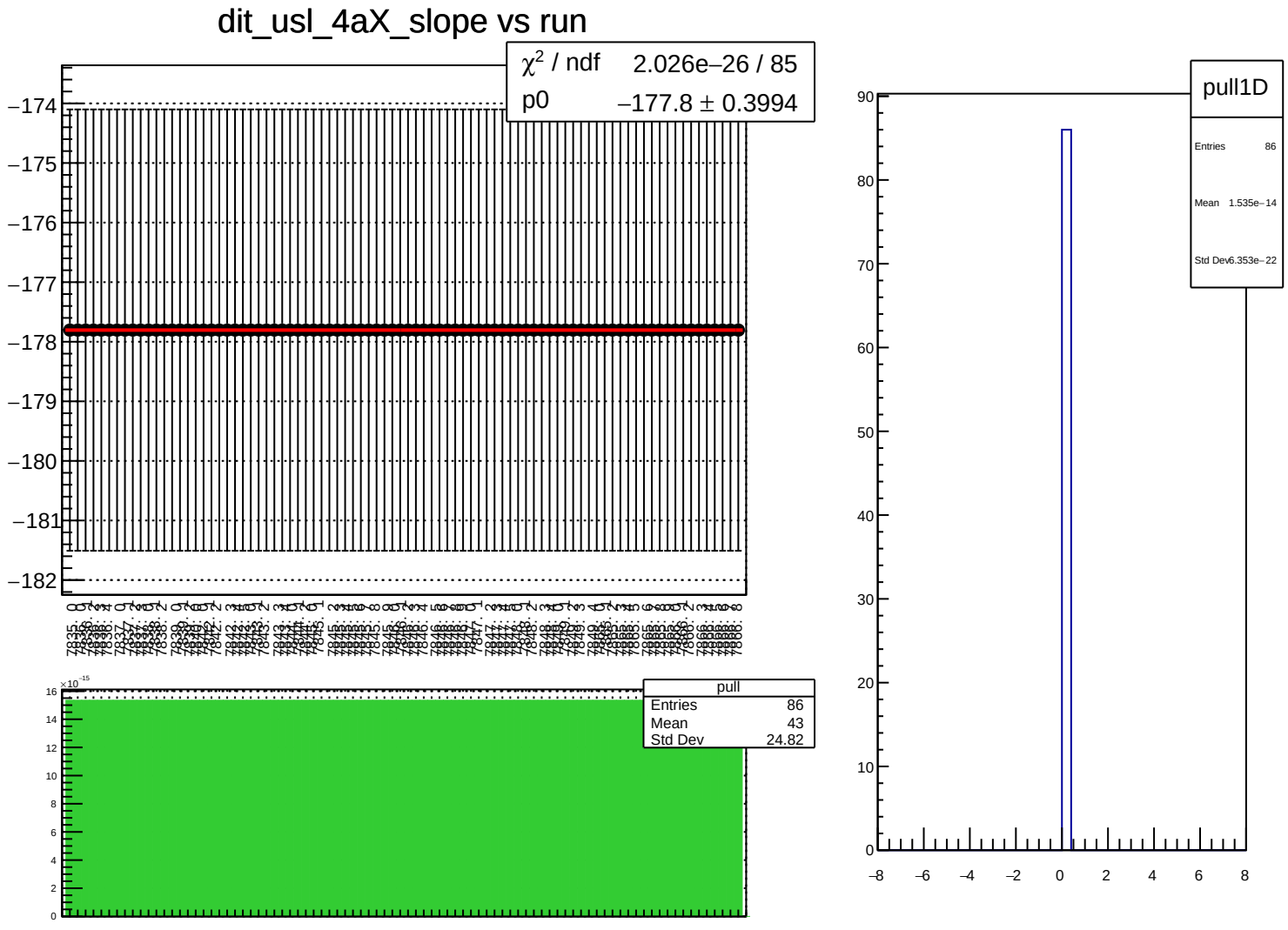

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 81.6 / 85
p0 −102.1± 2078
pull
Entries 86
Mean 197.2
Std Dev 164.1
pull1D
Entries 86
Mean −0.01538
Std Dev 0.9739

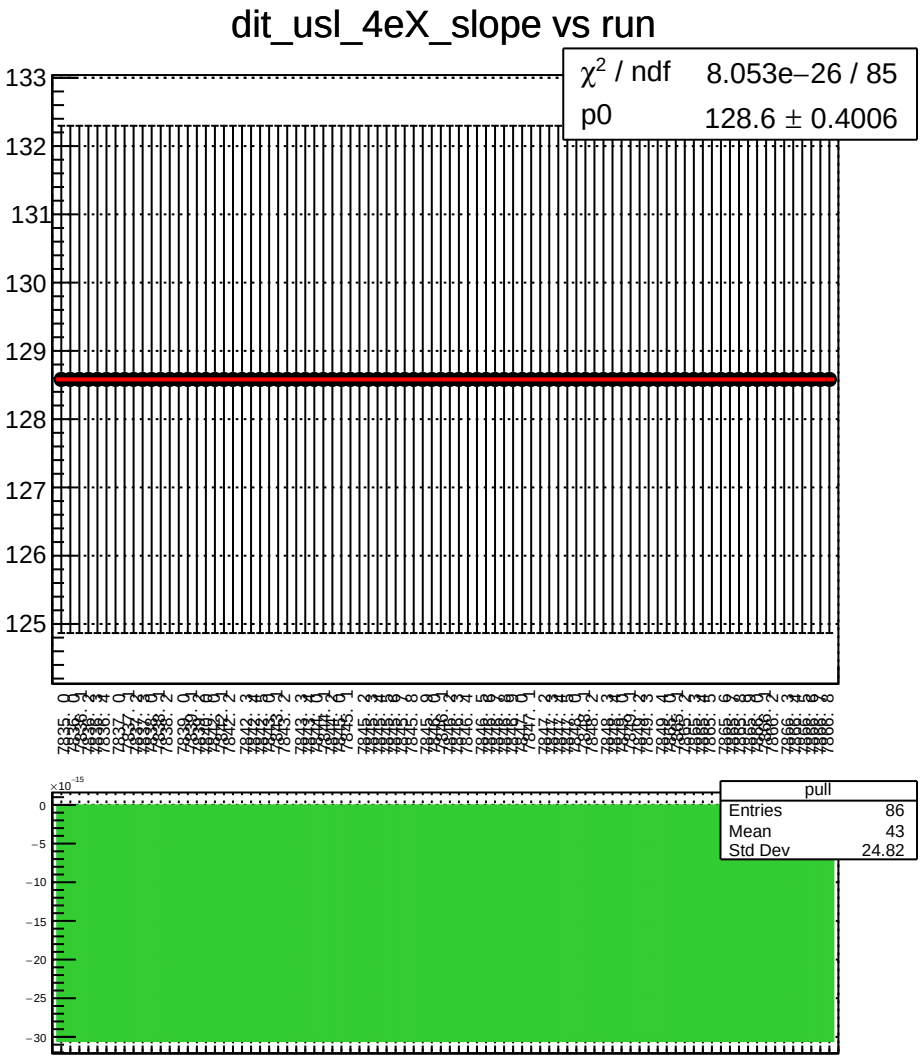

asym_sam_12345678_avg_correction_rms vs run
χ^2 / ndf 2.115e+04 / 85
p0 1892 ± 1.469
3000
2800
2600
2400
2200
2000
1800
1600

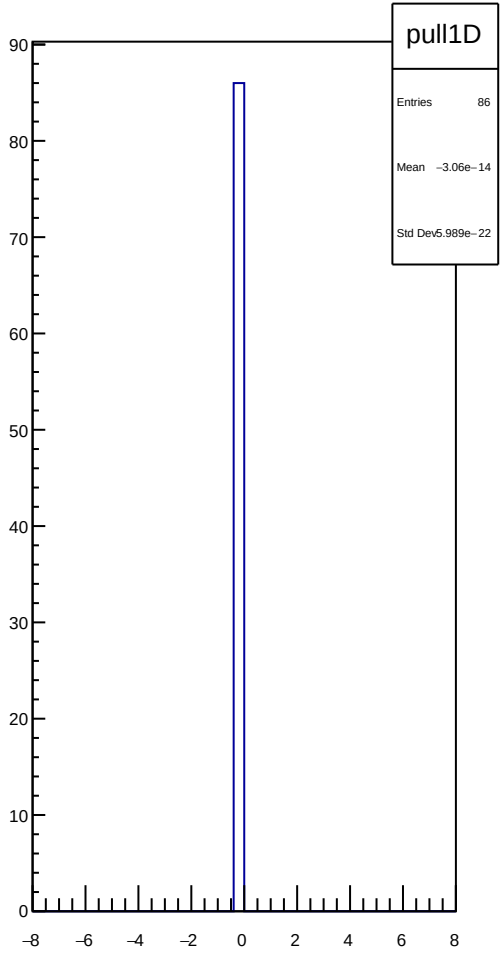

asym_sam_12345678_avg_mean vs run
χ² / ndf 80.84 / 85
p0 282.9 ± 2058
pull
Entries 86
Mean 191
Std Dev 157
pull1D
Entries 86
Mean 0.0166
Std Dev 0.9694

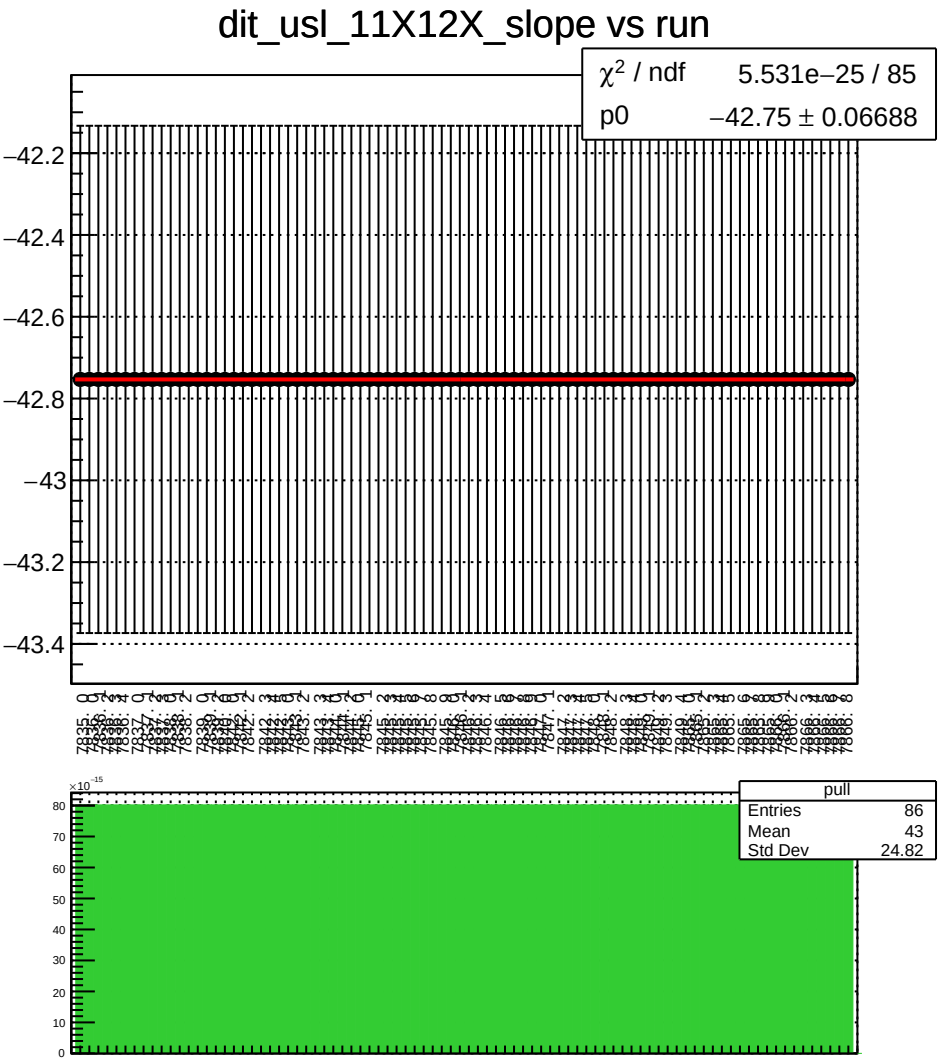
asym_sam_12345678_avg_rms vs run

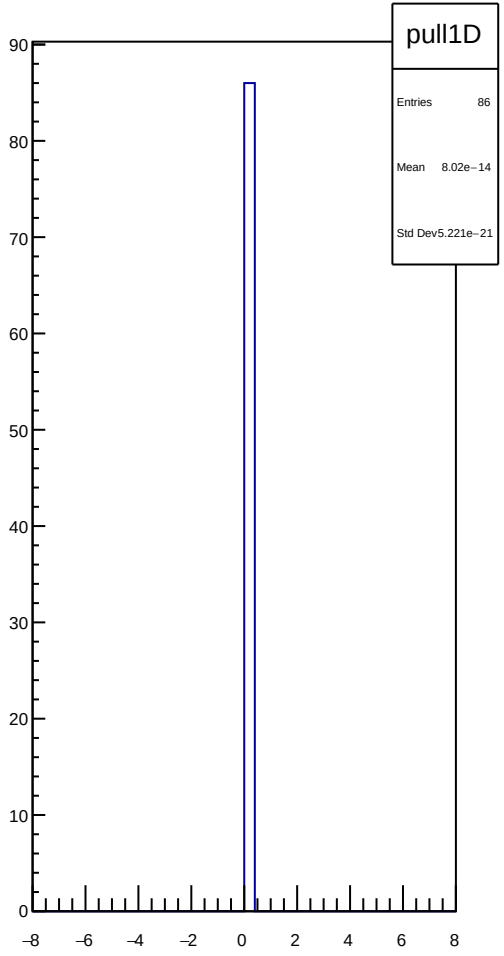


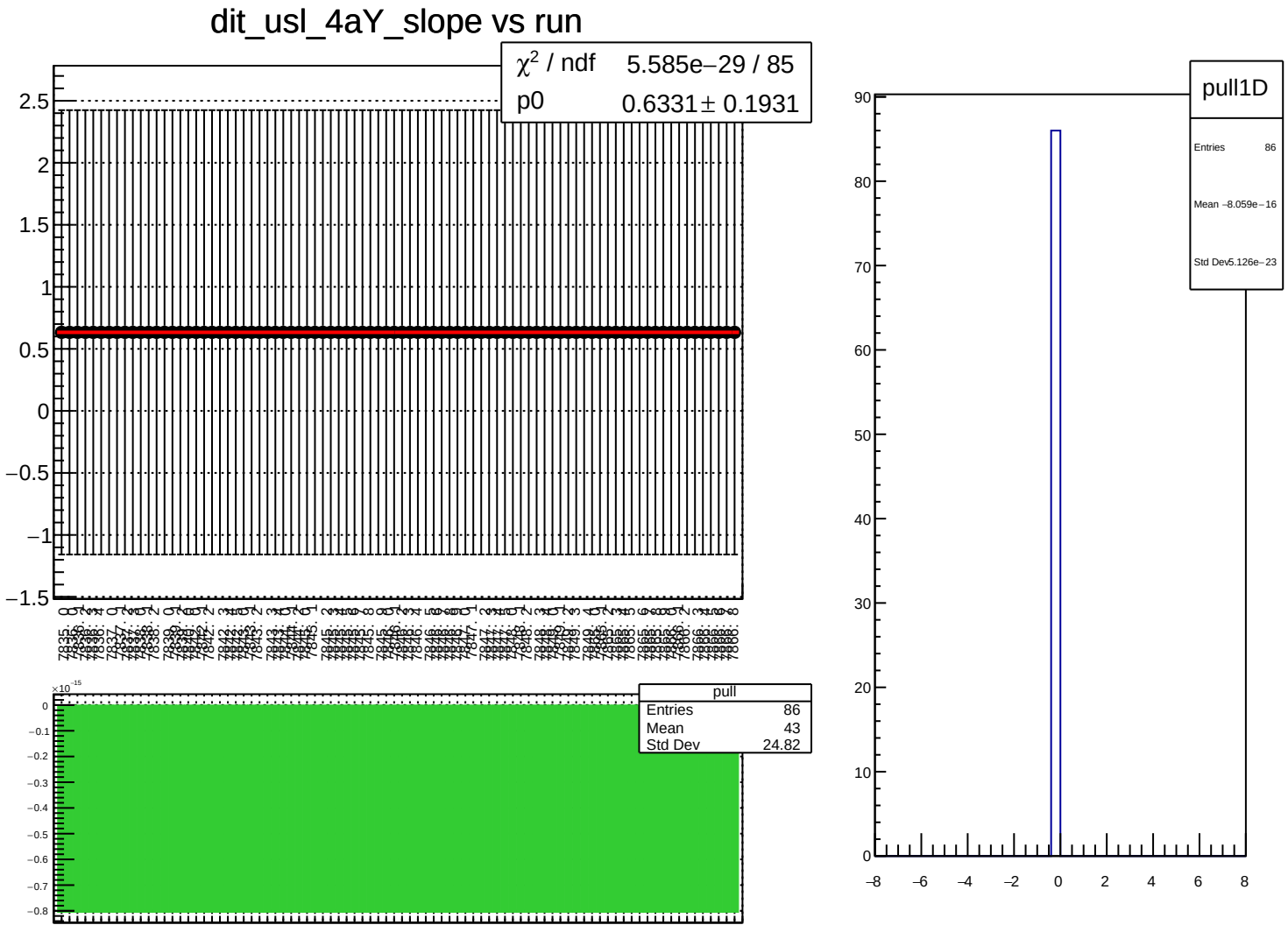

dit_usl_4aX_slope vs run
χ^2 / ndf 2.026e−26 / 85
p0 −177.8 ± 0.3994
−174
−175
−176
−177
−178
−179
−180
−181
−182
pull
Entries 86
Mean 43
Std Dev 24.82
×10^−15
16
14
12
10
8
6
4
2
0
pull1D
Entries 86
Mean 1.535e−14
Std Dev 6.353e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

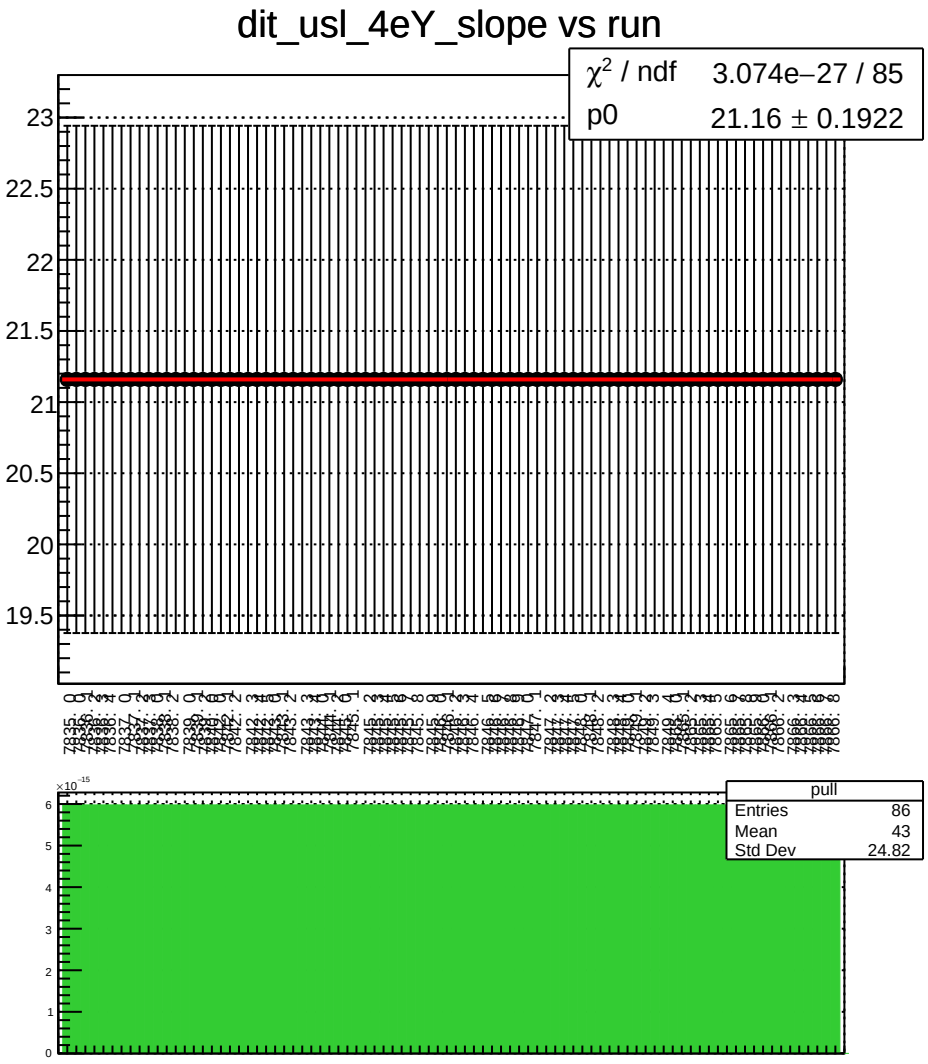

dit_usl_4eX_slope vs run
χ^2 / ndf 8.053e−26 / 85
p0 128.6 ± 0.4006
133
132
131
130
129
128
127
126
125
pull
Entries 86
Mean 43
Std Dev 24.82
×10^-15
0
−5
−10
−15
−20
−25
−30

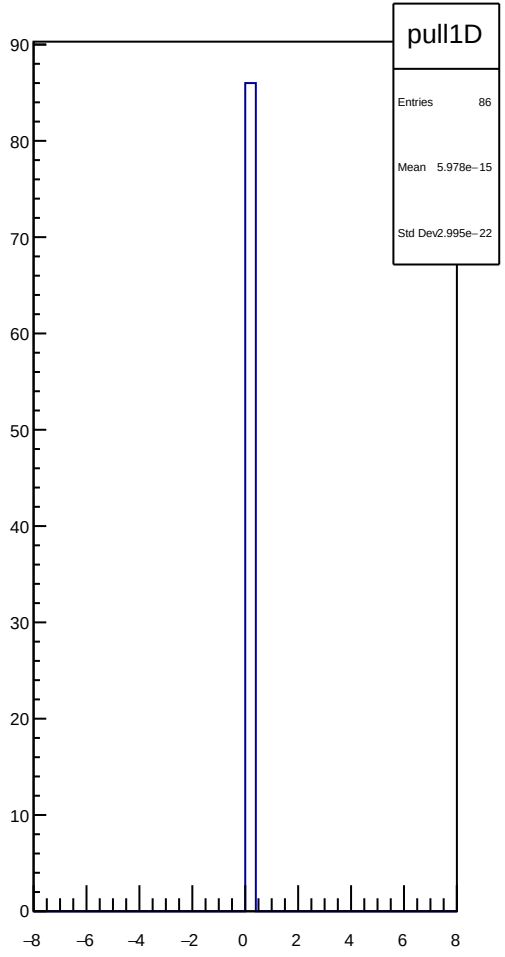

pull1D
Entries 86
Mean −3.06e−14
Std Dev 5.989e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

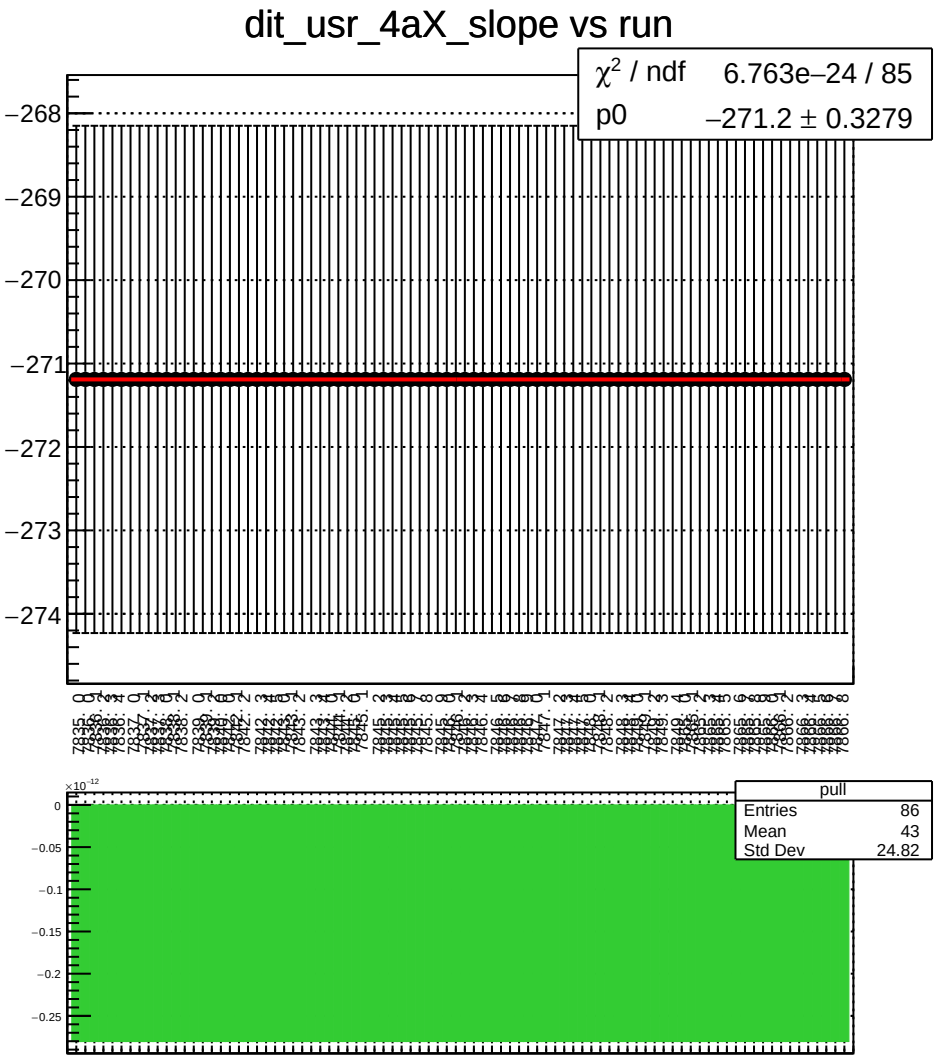

dit_usl_11X12X_slope vs run
χ^2 / ndf 5.531e−25 / 85
p0 −42.75 ± 0.06688
−42.2
−42.4
−42.6
−42.8
−43
−43.2
−43.4
pull
Entries 86
Mean 43
Std Dev 24.82
×10^−15
80
70
60
50
40
30
20
10
0

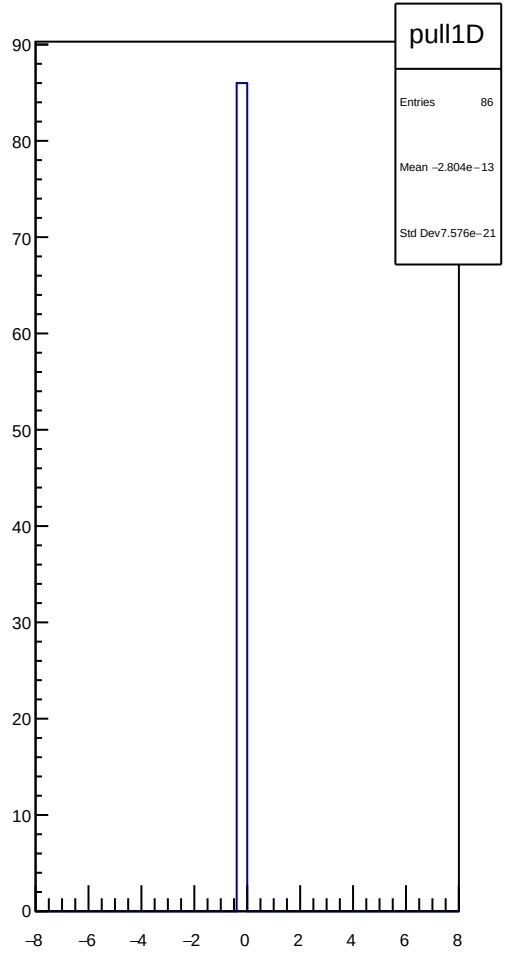

pull1D
Entries 86
Mean 8.02e−14
Std Dev 5.221e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_usl_4aY_slope vs run
χ^2 / ndf 5.585e−29 / 85
p0 0.6331 ± 0.1931
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean −8.059e−16
Std Dev 5.126e−23

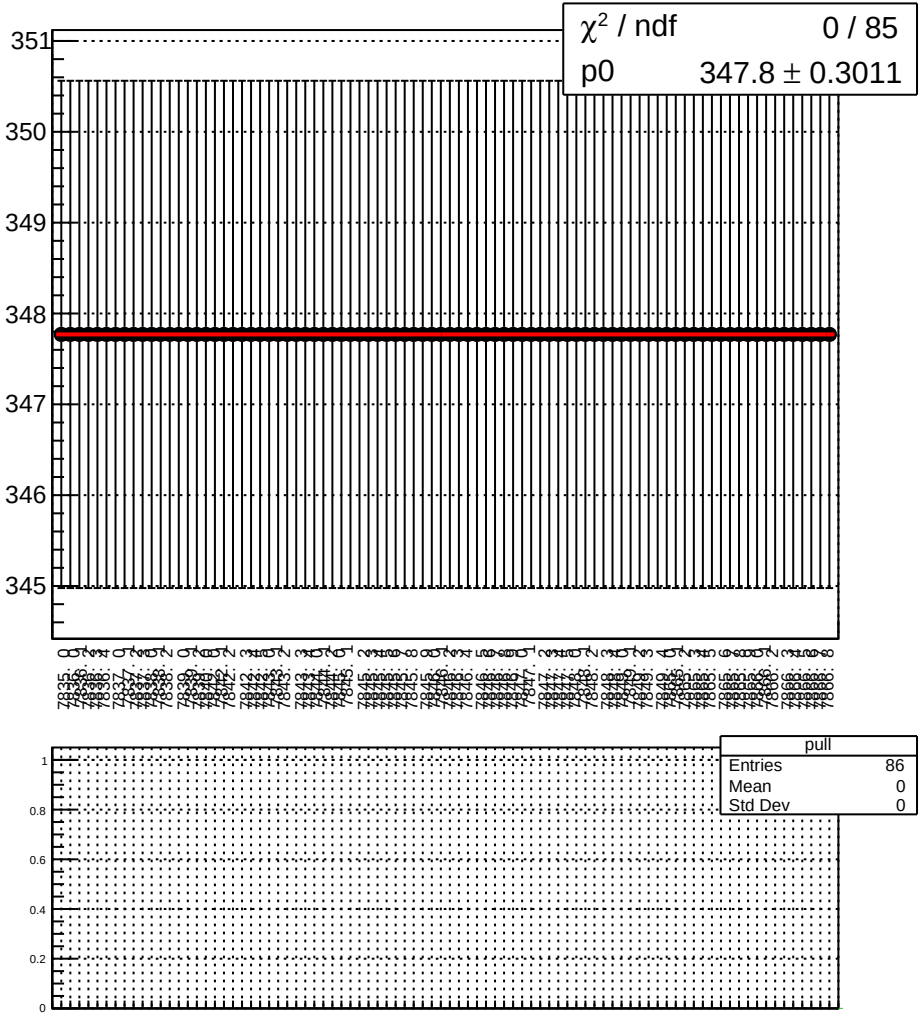

dit_usl_4eY_slope vs run
χ^2 / ndf 3.074e−27 / 85
p0 21.16 ± 0.1922
pull
Entries 86
Mean 43
Std Dev 24.82

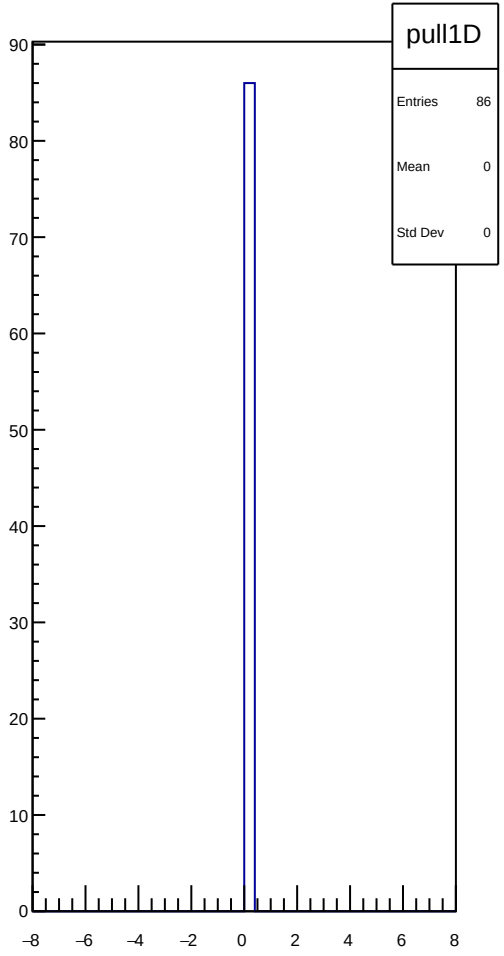

pull1D
Entries 86
Mean 5.978e−15
Std Dev 2.995e−22

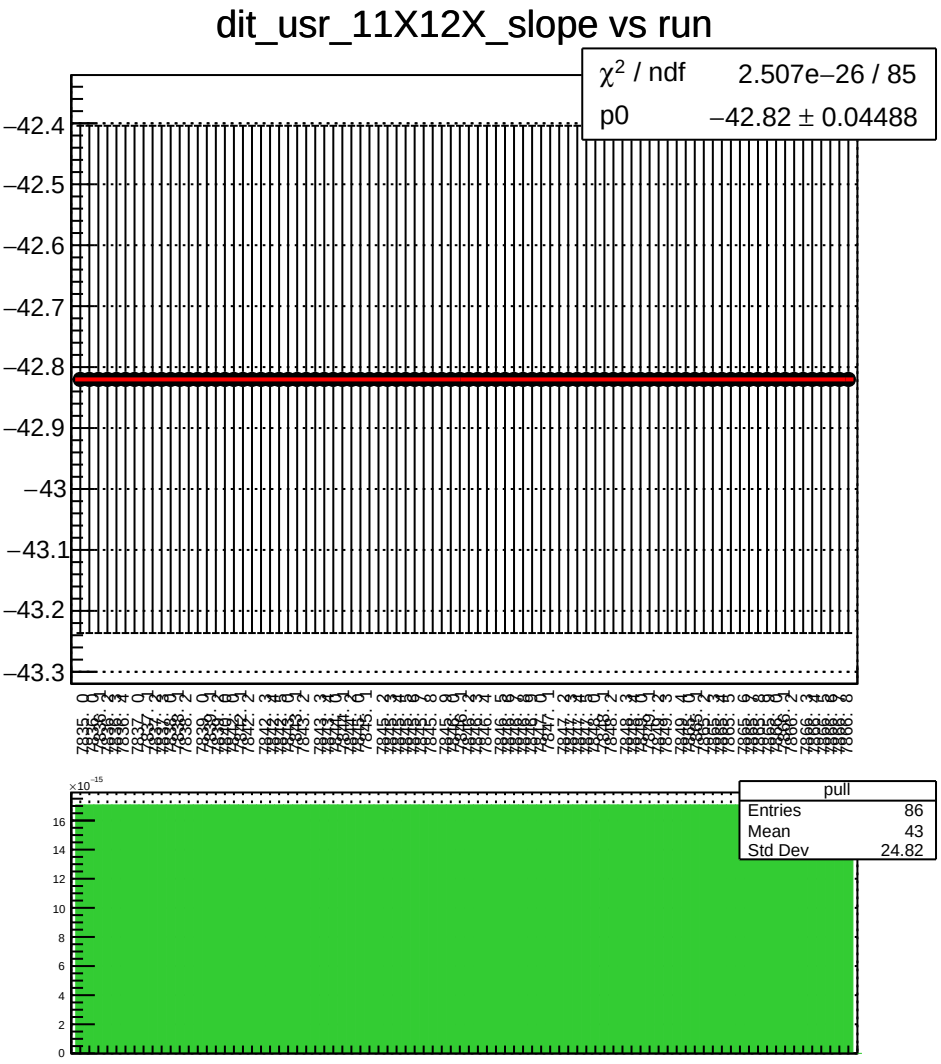

dit_usr_4aX_slope vs run
χ^2 / ndf 6.763e−24 / 85
p0 −271.2 ± 0.3279
−268
−269
−270
−271
−272
−273
−274
pull
Entries 86
Mean 43
Std Dev 24.82
$\times 10^{-12}$
0
−0.05
−0.1
−0.15
−0.2
−0.25

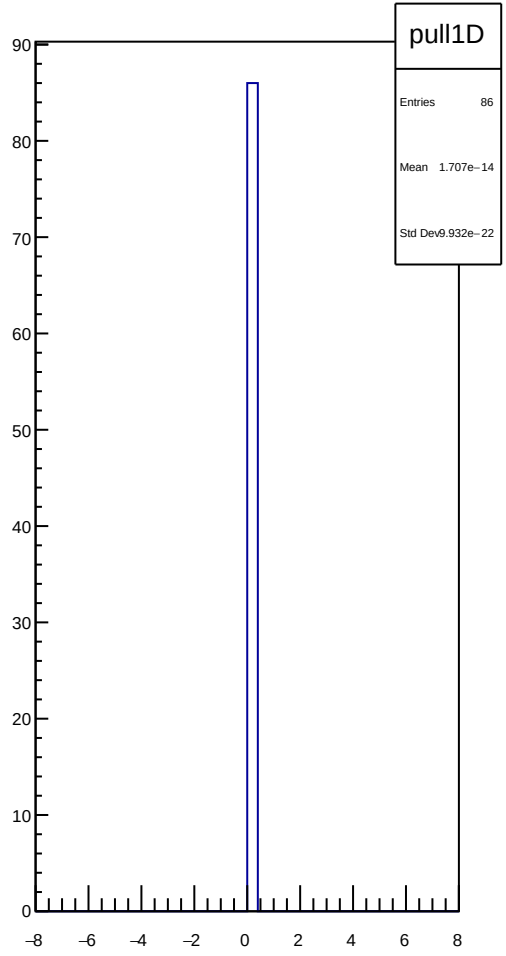

pull1D
Entries 86
Mean −2.804e−13
Std Dev 7.576e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

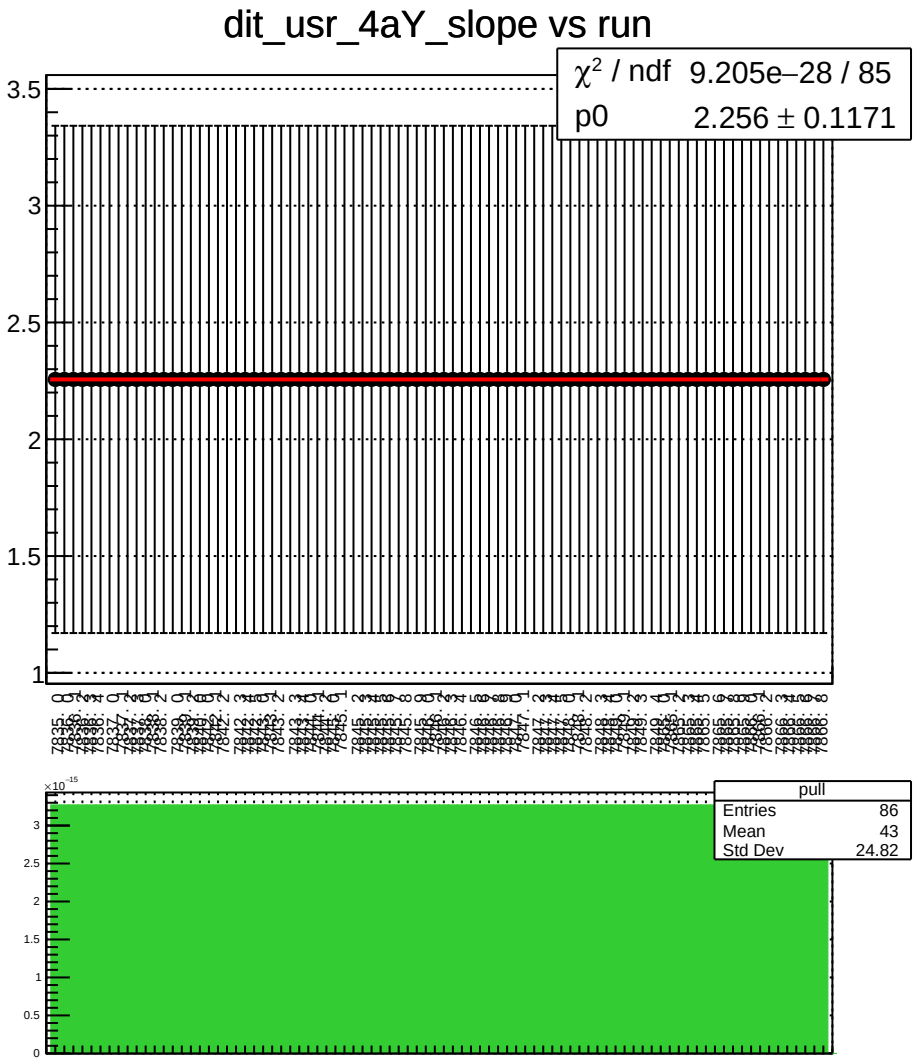
dit_usr_4eX_slope vs run

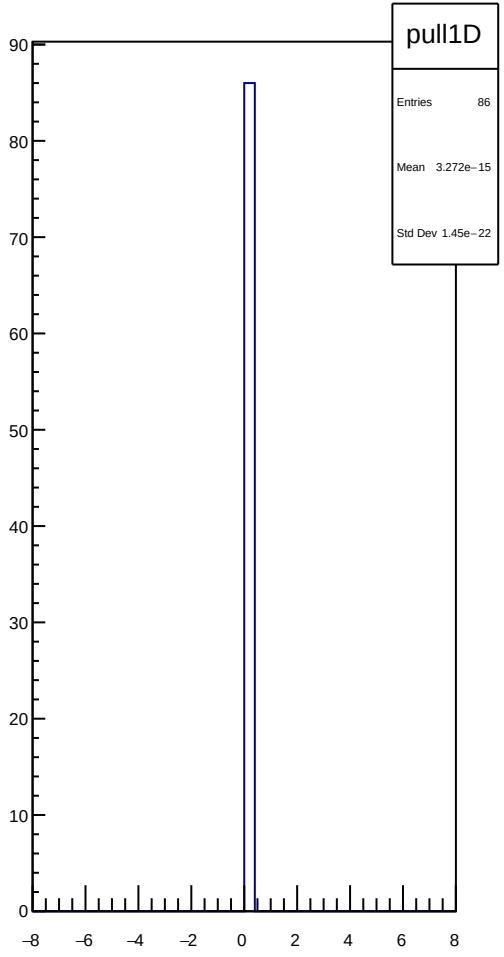




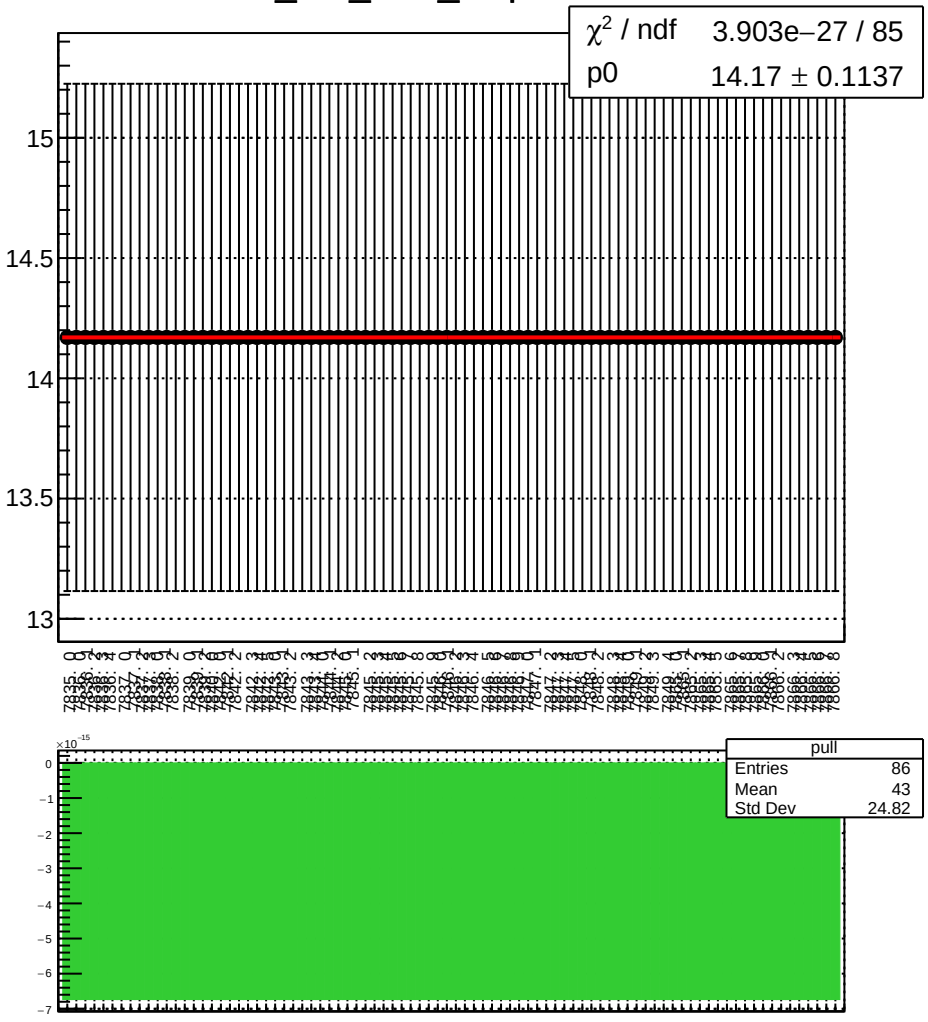

dit_usr_11X12X_slope vs run
χ² / ndf 2.507e−26 / 85
p0 −42.82 ± 0.04488
−42.4
−42.5
−42.6
−42.7
−42.8
−42.9
−43
−43.1
−43.2
−43.3
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
16
14
12
10
8
6
4
2
0

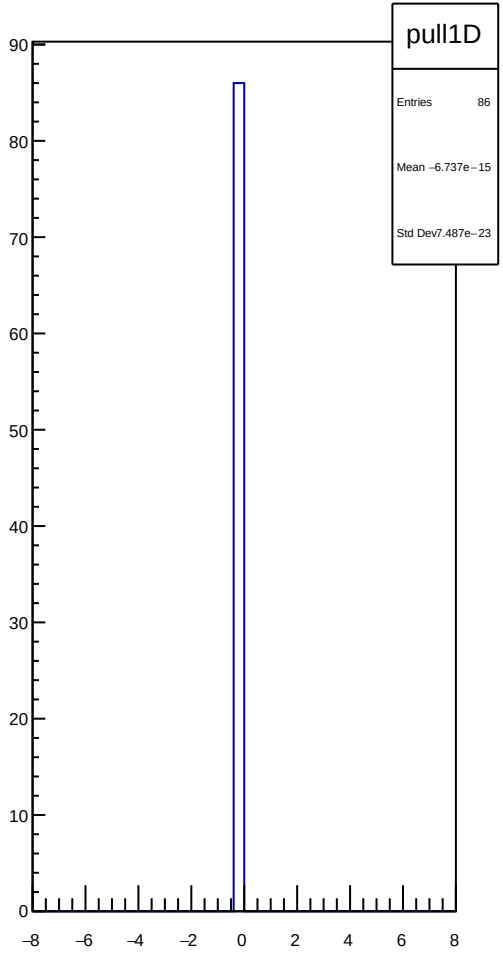

pull1D
Entries 86
Mean 1.707e−14
Std Dev 9.932e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

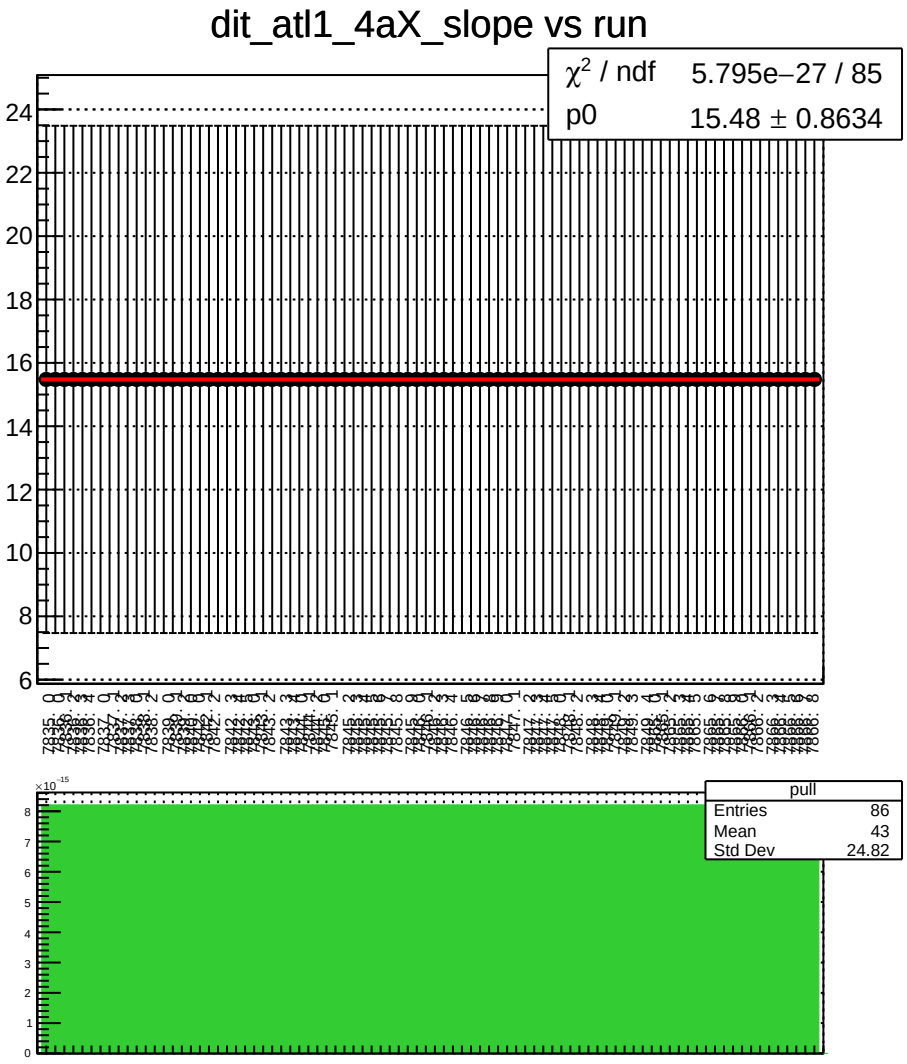

dit_usr_4aY_slope vs run
χ^2 / ndf 9.205e−28 / 85
p0 2.256 ± 0.1171
pull
Entries 86
Mean 43
Std Dev 24.82

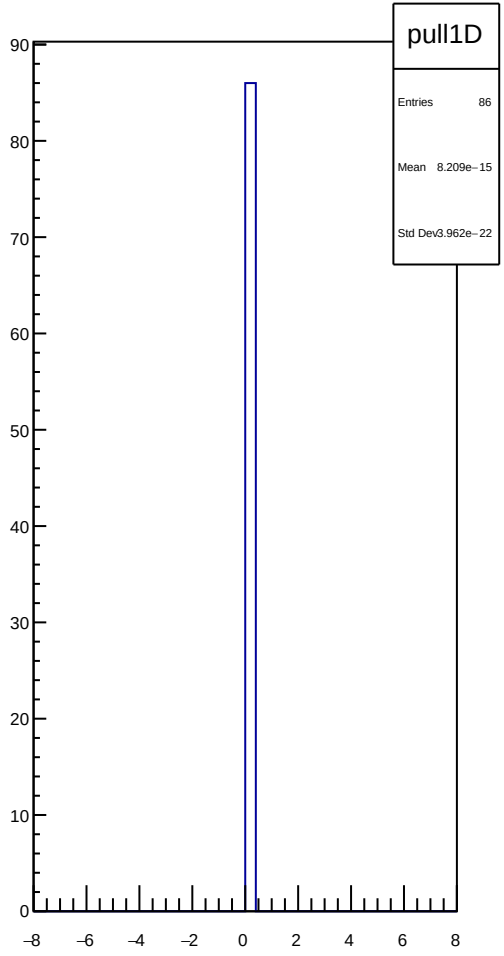

pull1D
Entries 86
Mean 3.272e−15
Std Dev 1.45e−22

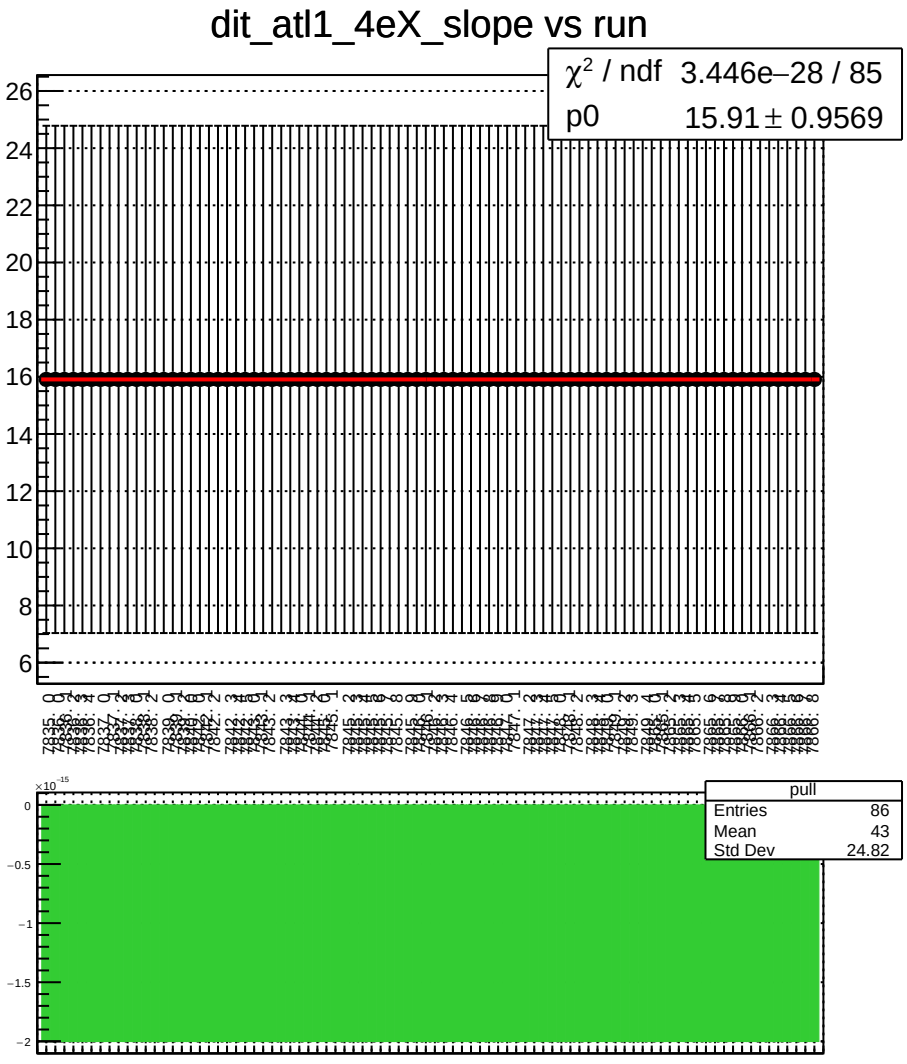
dit_usr_4eY_slope vs run

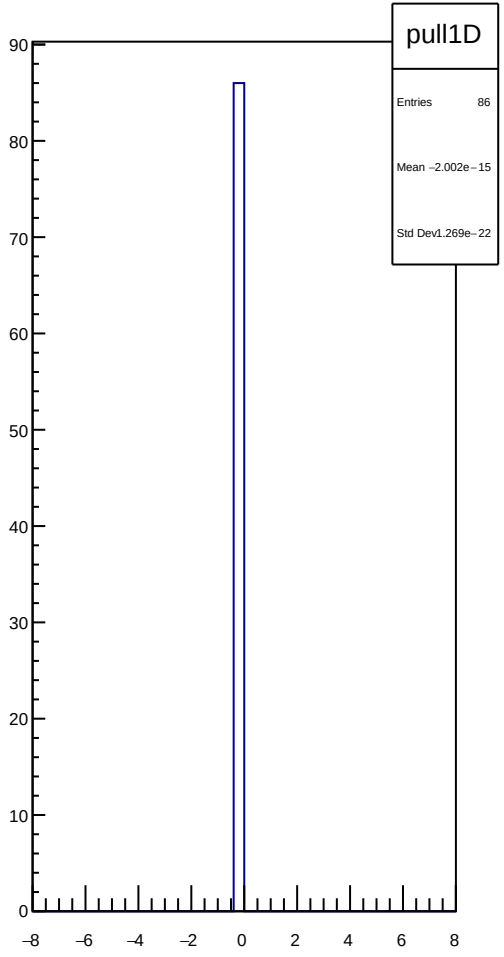


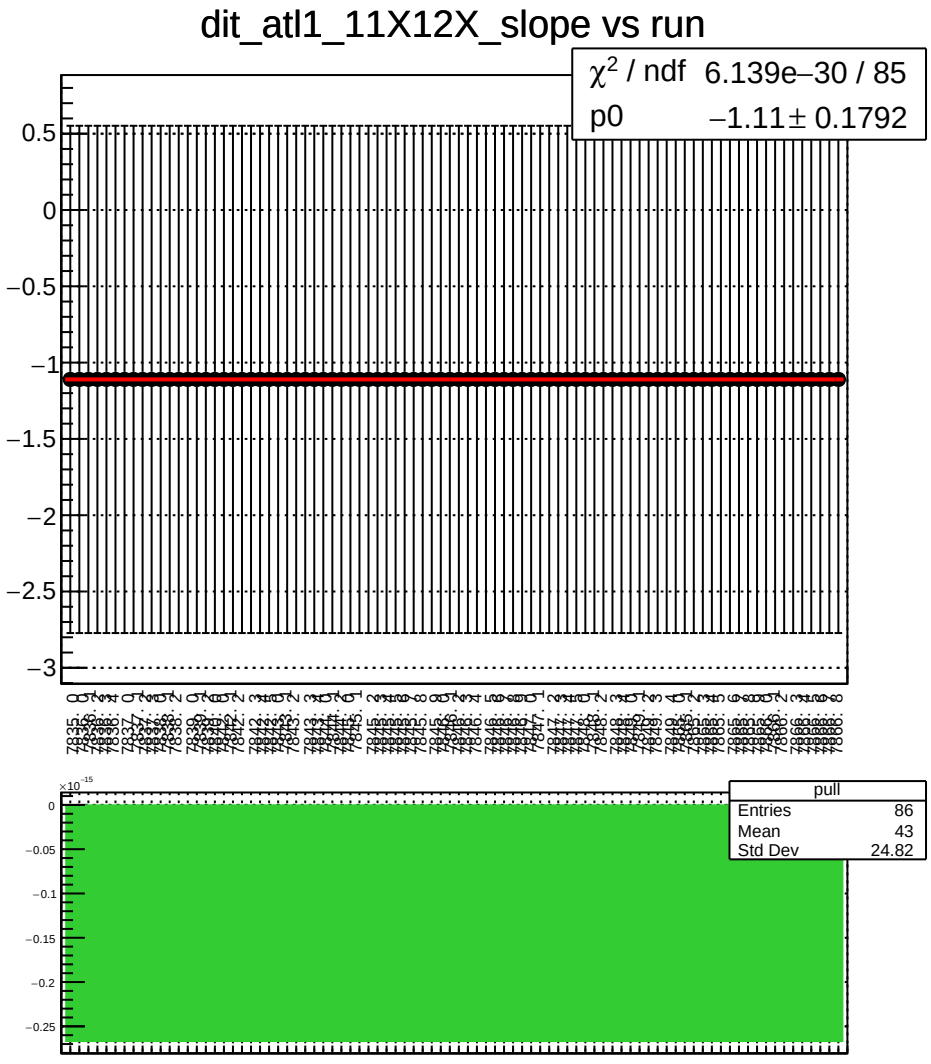


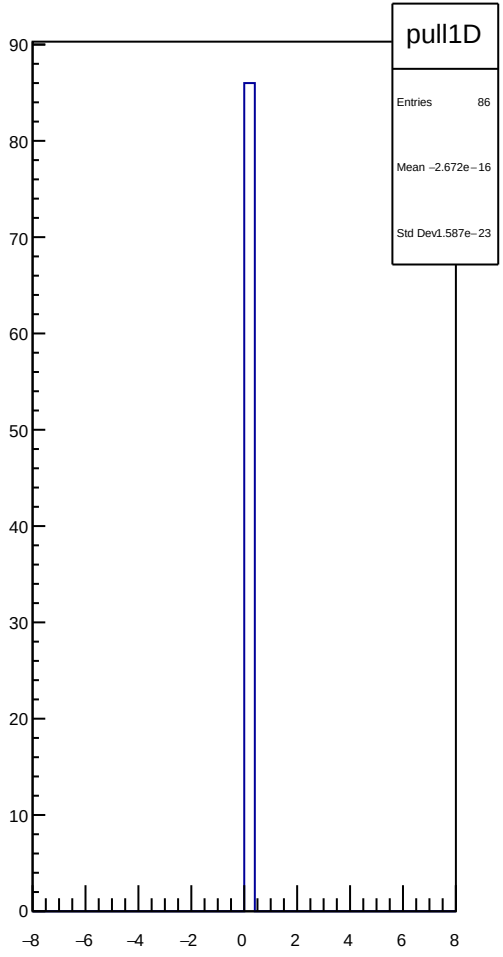

dit_atl1_4aX_slope vs run
χ^2 / ndf 5.795e−27 / 85
p0 15.48 ± 0.8634
pull
Entries 86
Mean 43
Std Dev 24.82

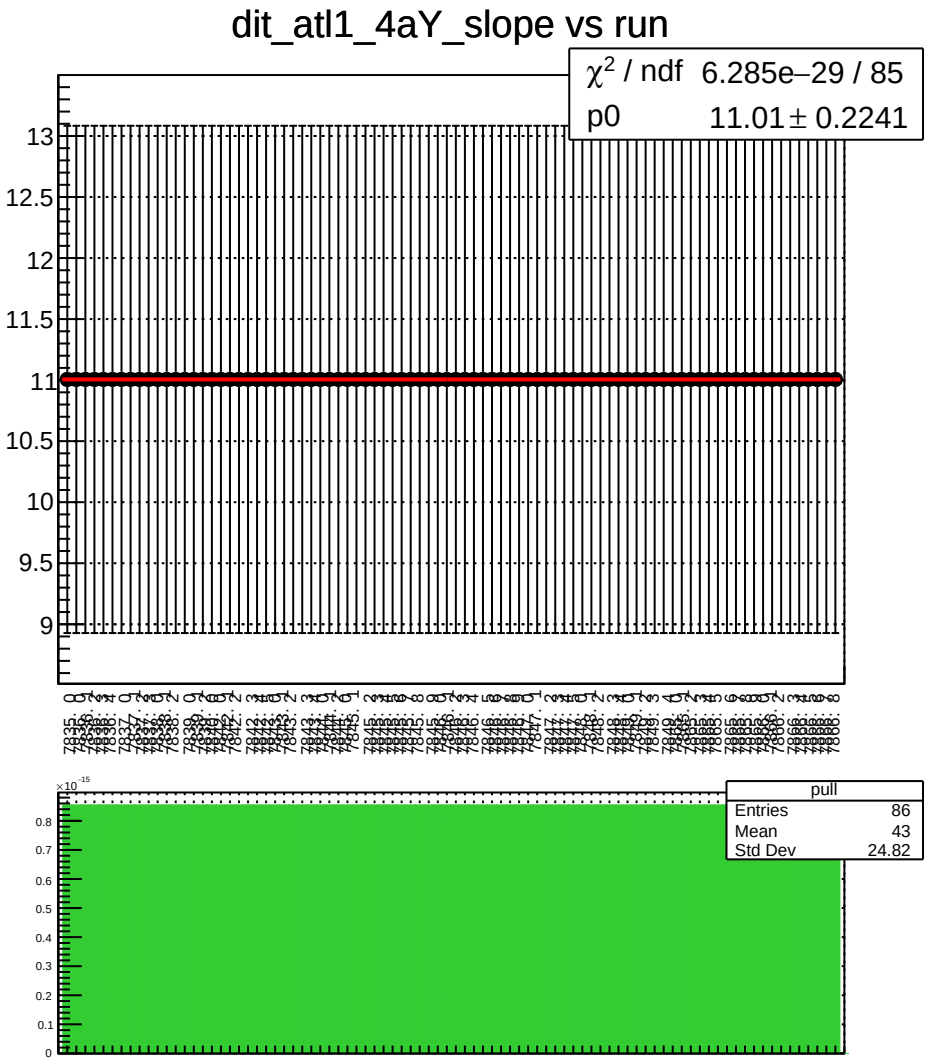

pull1D
Entries 86
Mean 8.209e−15
Std Dev 3.962e−22

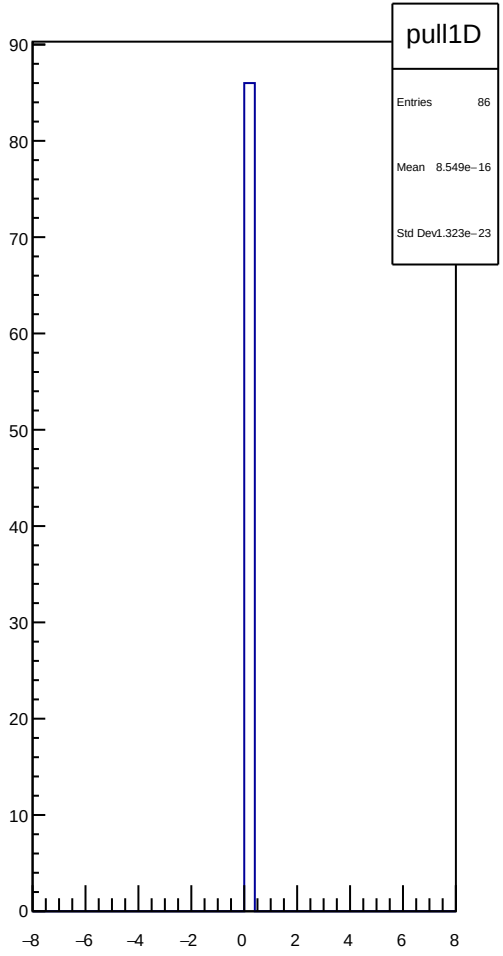

dit_atl1_4eX_slope vs run
χ^2 / ndf 3.446e−28 / 85
p0 15.91 ± 0.9569
pull
Entries 86
Mean 43
Std Dev 24.82
×10^-15

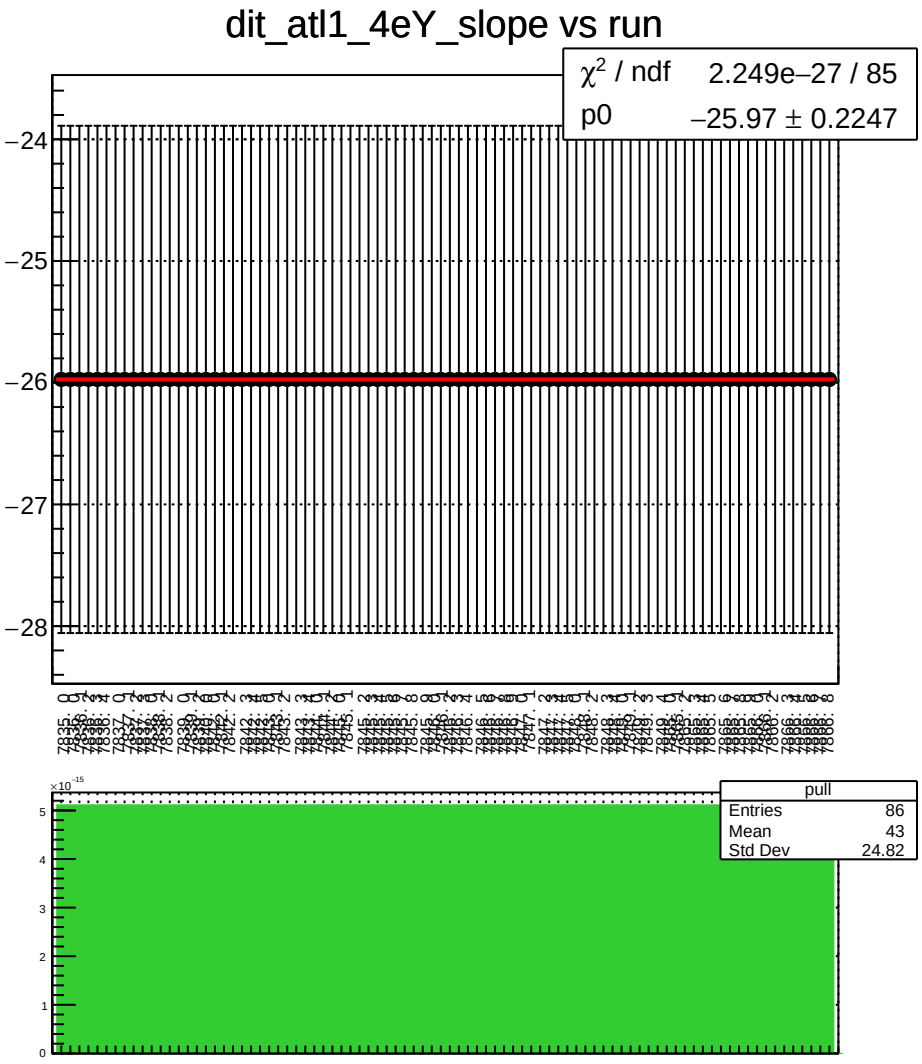

pull1D
Entries 86
Mean −2.002e−15
Std Dev1.269e−22

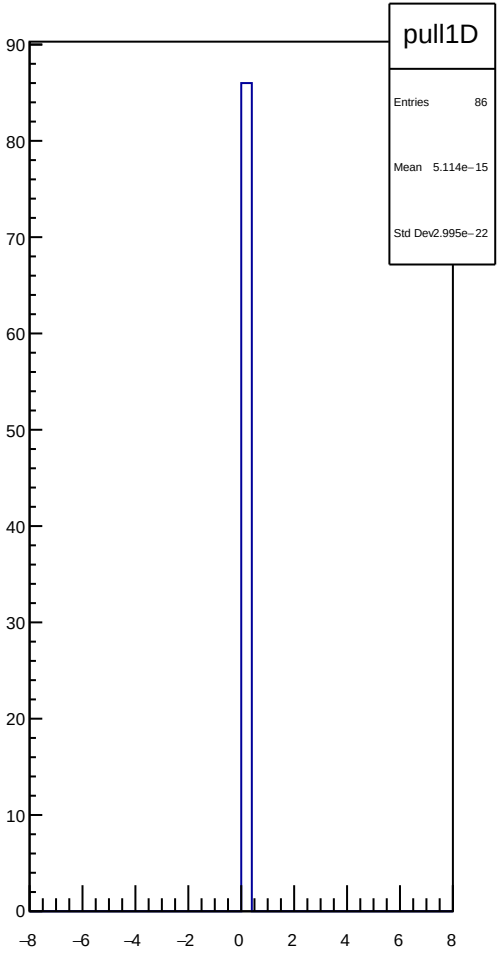

dit_atl1_11X12X_slope vs run
χ^2 / ndf 6.139e−30 / 85
p0 −1.11 ± 0.1792
pull
Entries 86
Mean 43
Std Dev 24.82

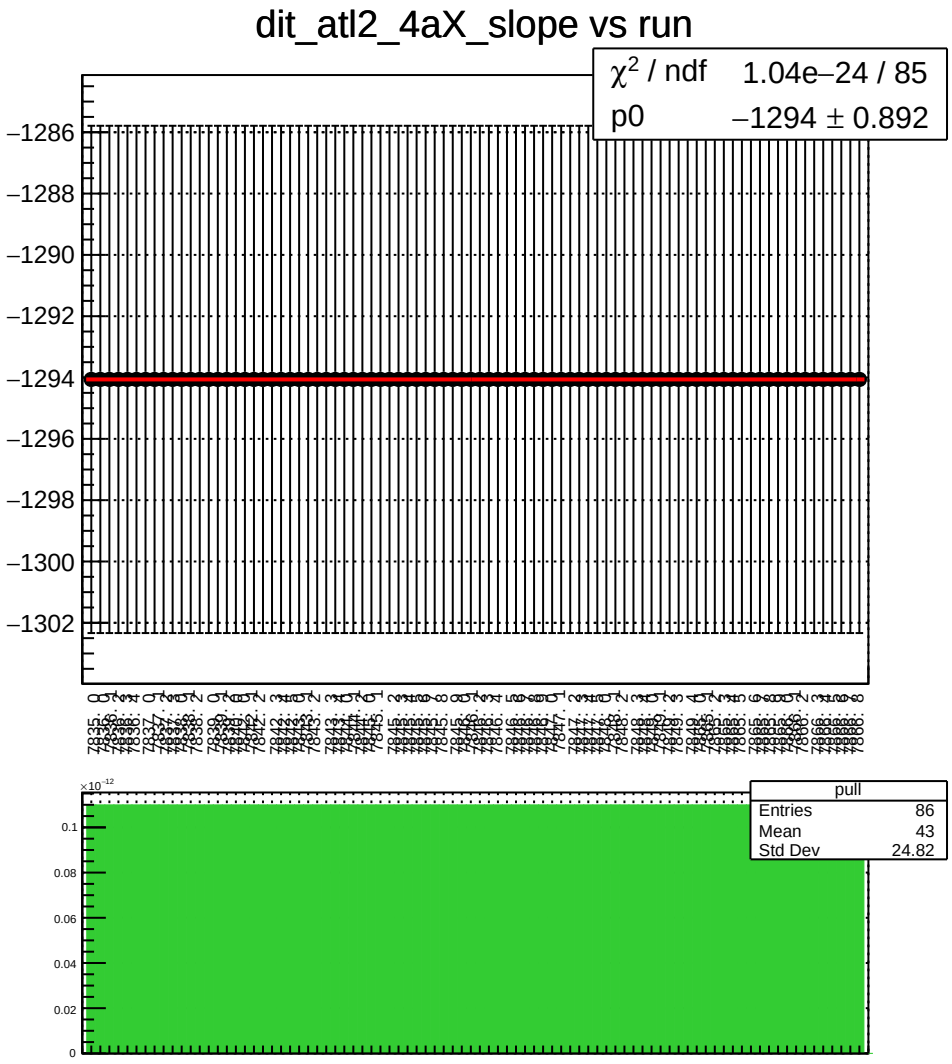

pull1D
Entries 86
Mean −2.672e−16
Std Dev 1.587e−23

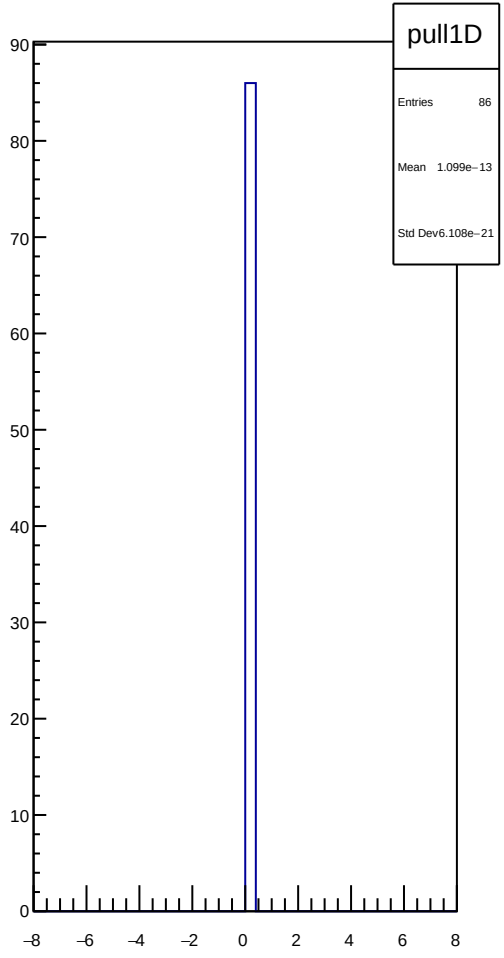

dit_atl1_4aY_slope vs run
χ^2 / ndf 6.285e−29 / 85
p0 11.01 ± 0.2241
pull
Entries 86
Mean 43
Std Dev 24.82


pull1D
Entries 86
Mean 8.549e−16
Std Dev 1.323e−23

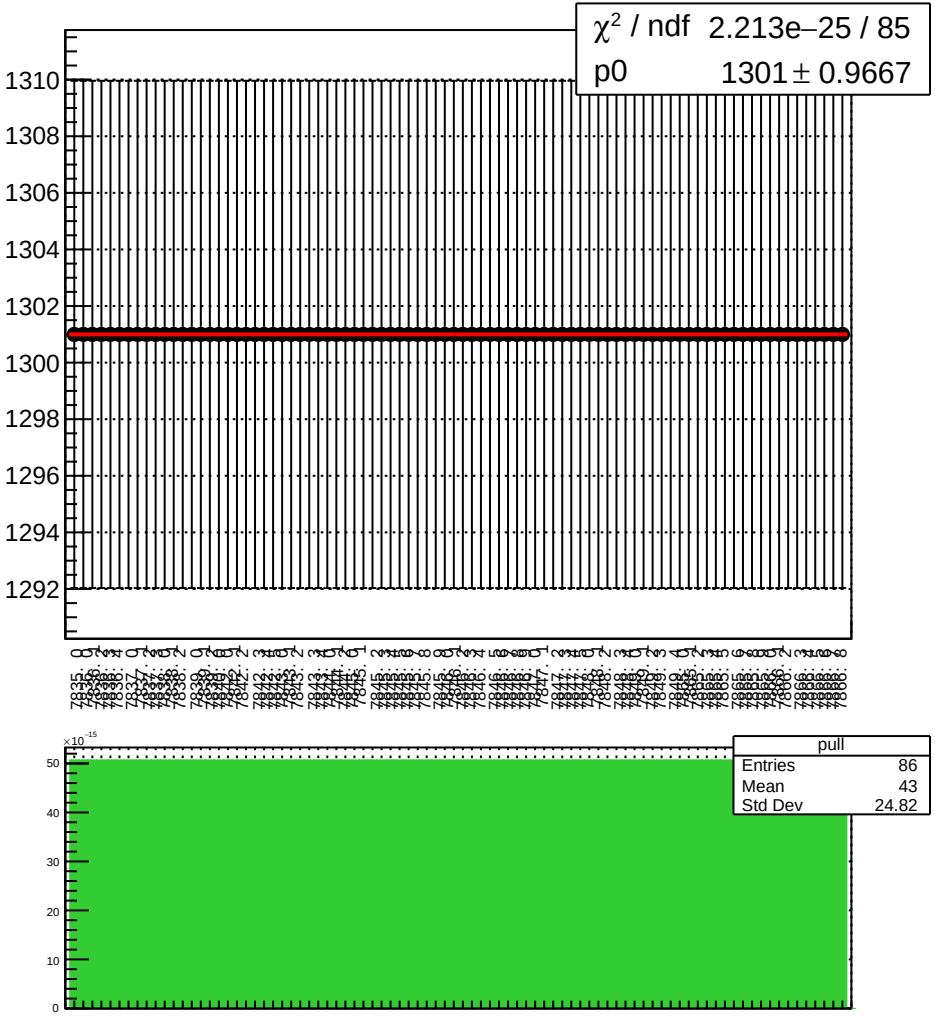

dit_atl1_4eY_slope vs run
χ^2 / ndf 2.249e−27 / 85
p0 −25.97 ± 0.2247
−24
−25
−26
−27
−28
pull
Entries 86
Mean 43
Std Dev 24.82
×10^−15
5
4
3
2
1
0

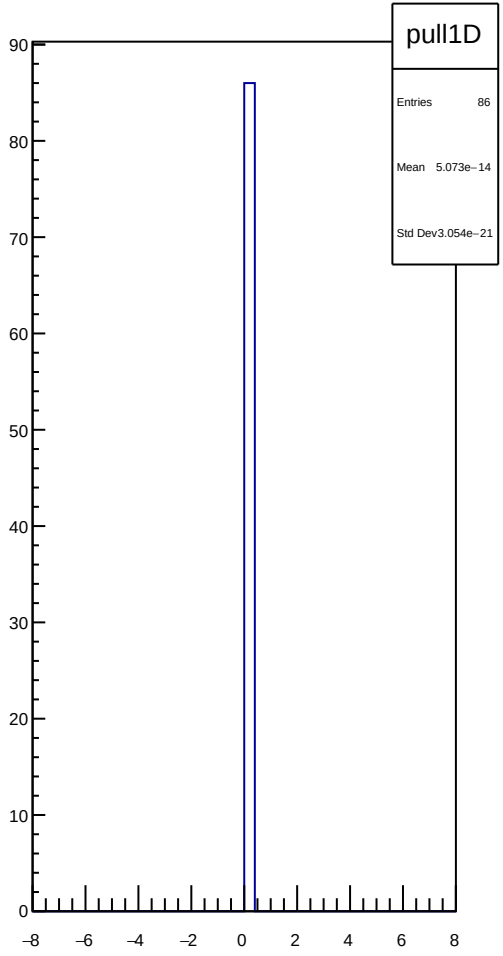

pull1D
Entries 86
Mean 5.114e−15
Std Dev 2.995e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

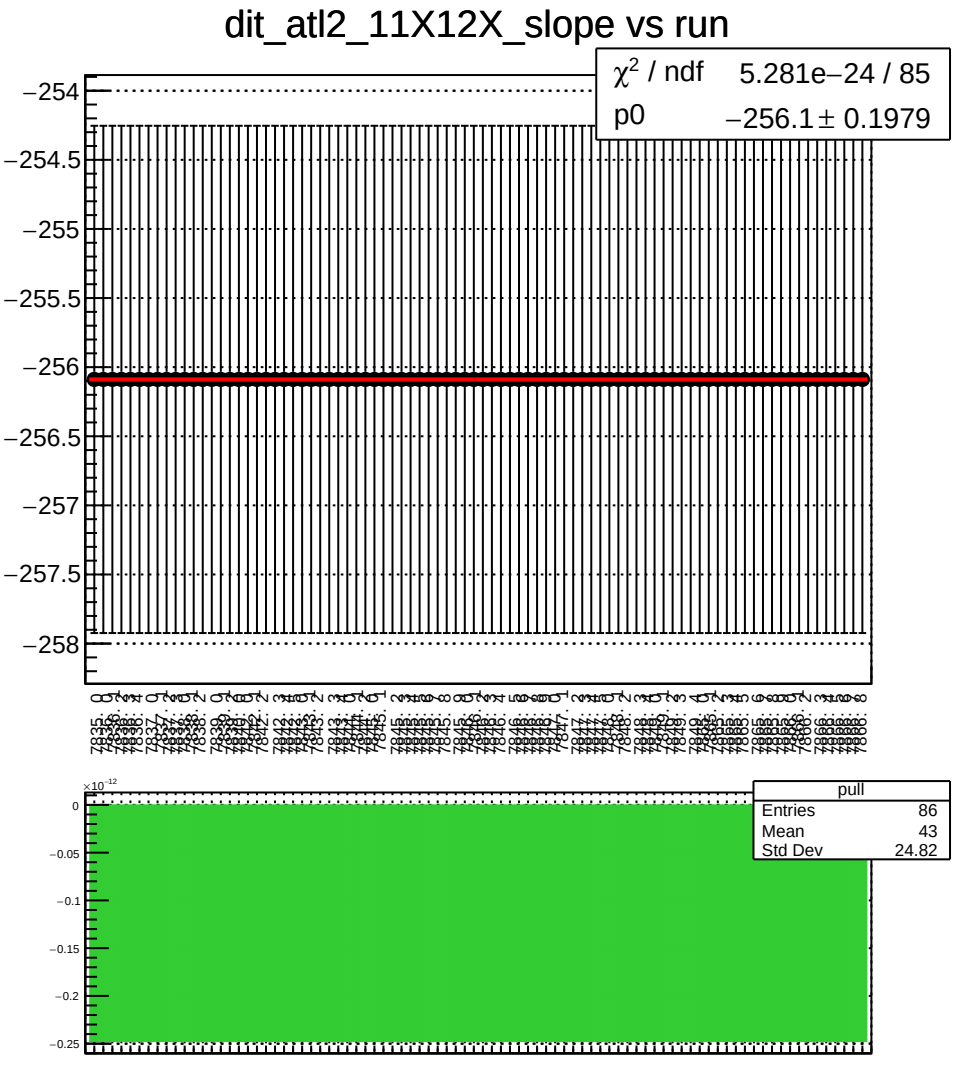

dit_atl2_4aX_slope vs run
χ^2 / ndf 1.04e−24 / 85
p0 −1294 ± 0.892
−1286
−1288
−1290
−1292
−1294
−1296
−1298
−1300
−1302
pull
Entries 86
Mean 43
Std Dev 24.82
$\times 10^{-12}$
0.1
0.08
0.06
0.04
0.02
0

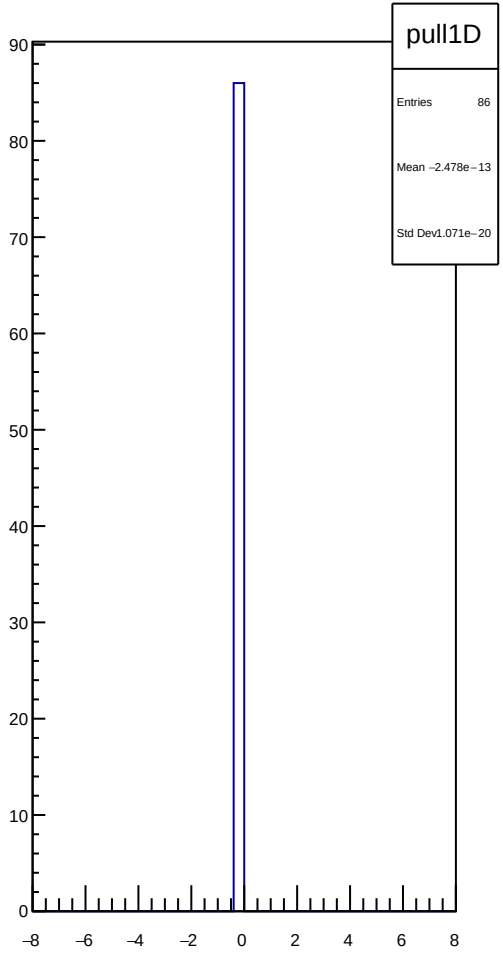

pull1D
Entries 86
Mean 1.099e−13
Std Dev6.108e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

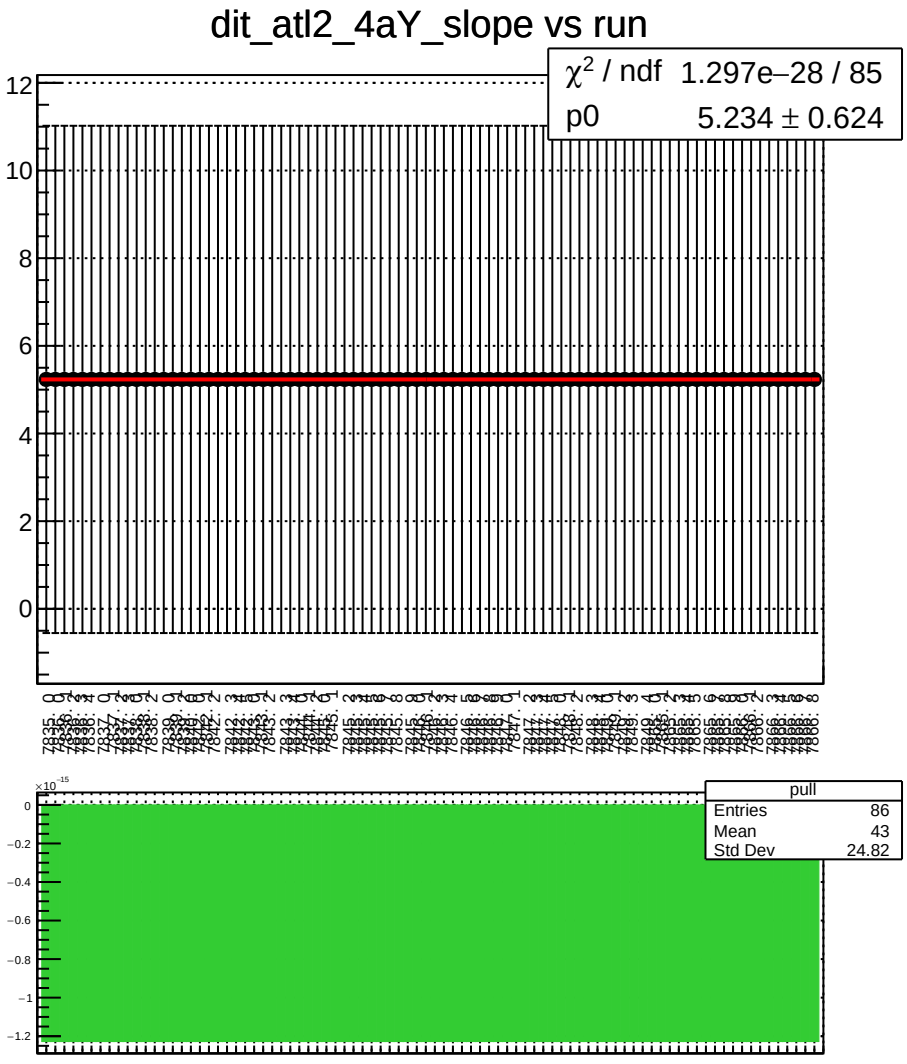
dit_atl2_4eX_slope vs run

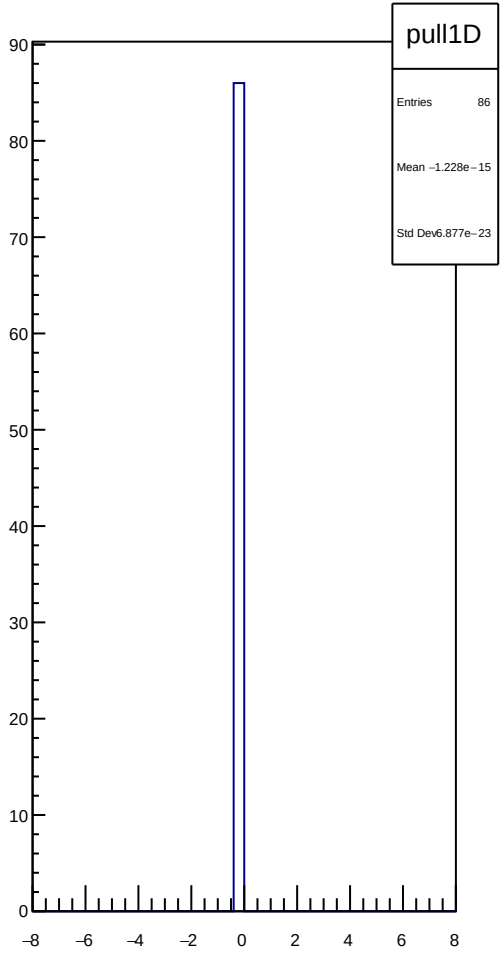


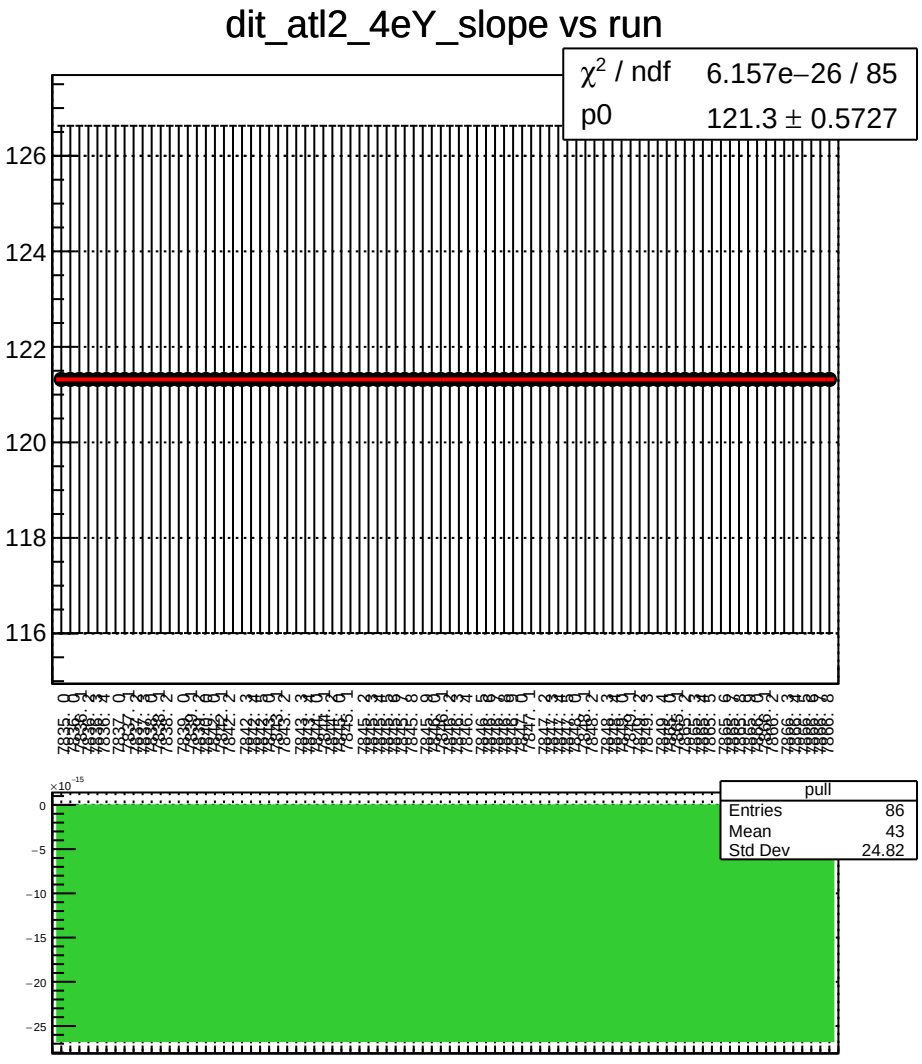


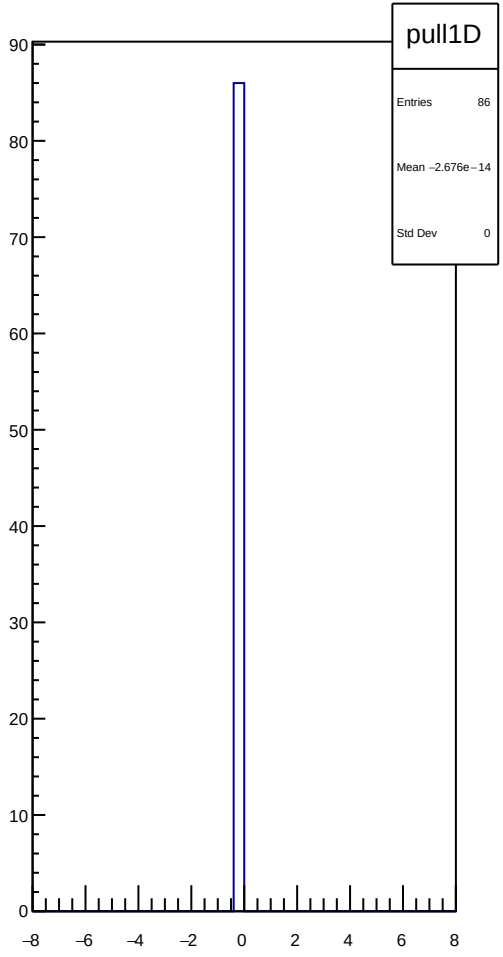

dit_atl2_11X12X_slope vs run
χ^2 / ndf 5.281e−24 / 85
p0 −256.1 ± 0.1979
−254
−254.5
−255
−255.5
−256
−256.5
−257
−257.5
−258
pull
Entries 86
Mean 43
Std Dev 24.82
×10^−12
0
−0.05
−0.1
−0.15
−0.2
−0.25

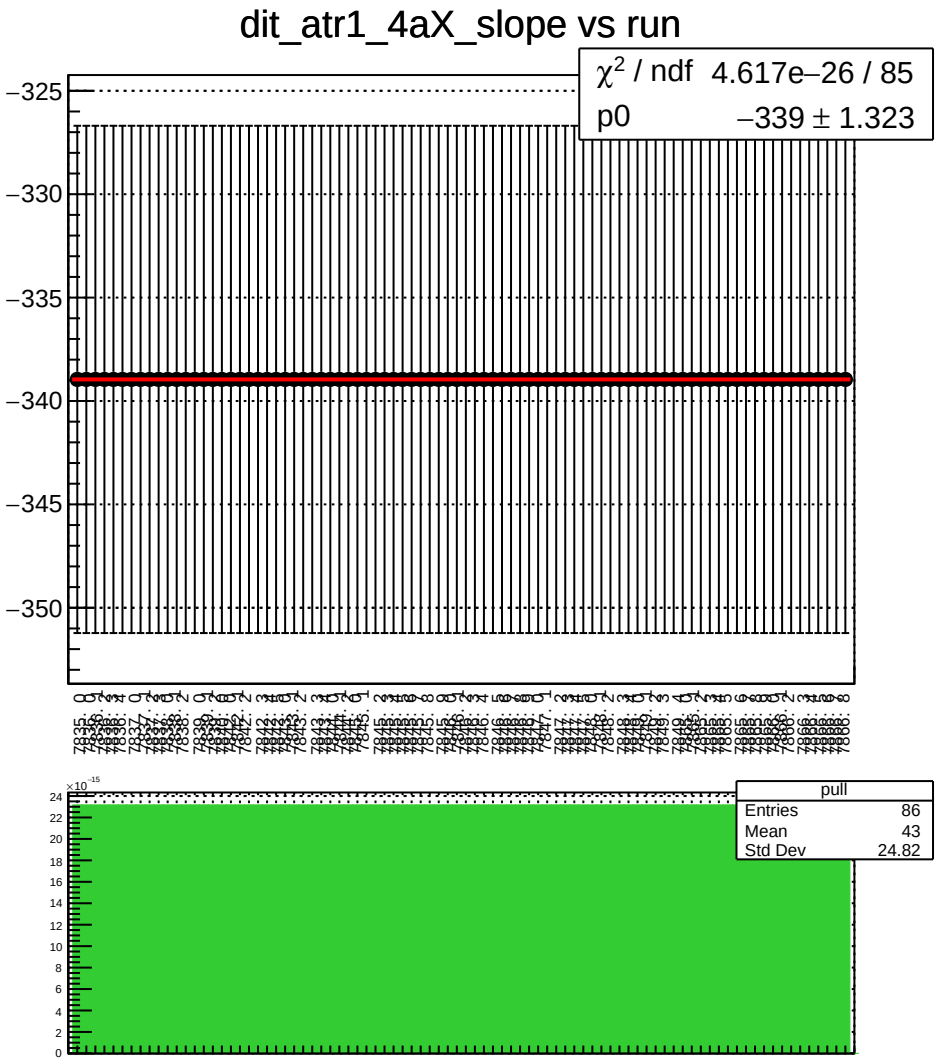

pull1D
Entries 86
Mean −2.478e−13
Std Dev1.071e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

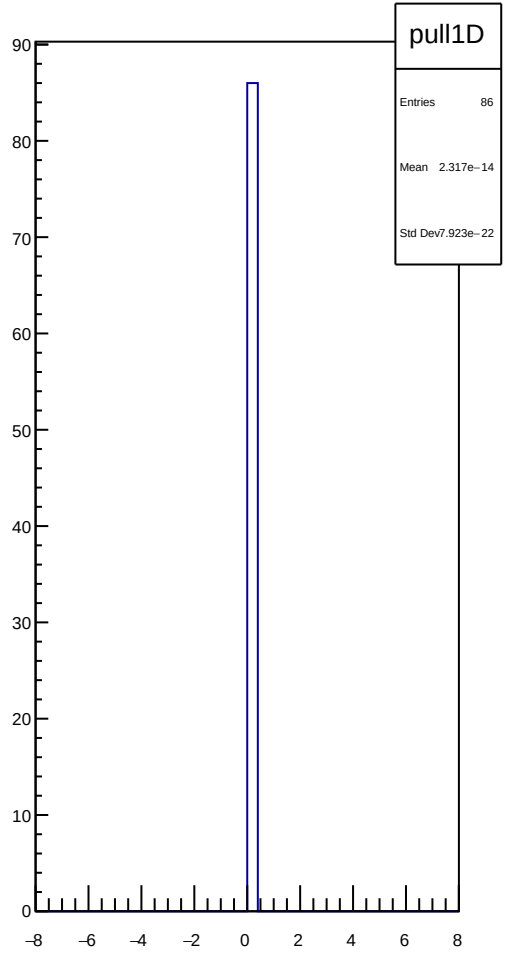

dit_atl2_4aY_slope vs run
χ^2 / ndf 1.297e−28 / 85
p0 5.234 ± 0.624
pull
Entries 86
Mean 43
Std Dev 24.82

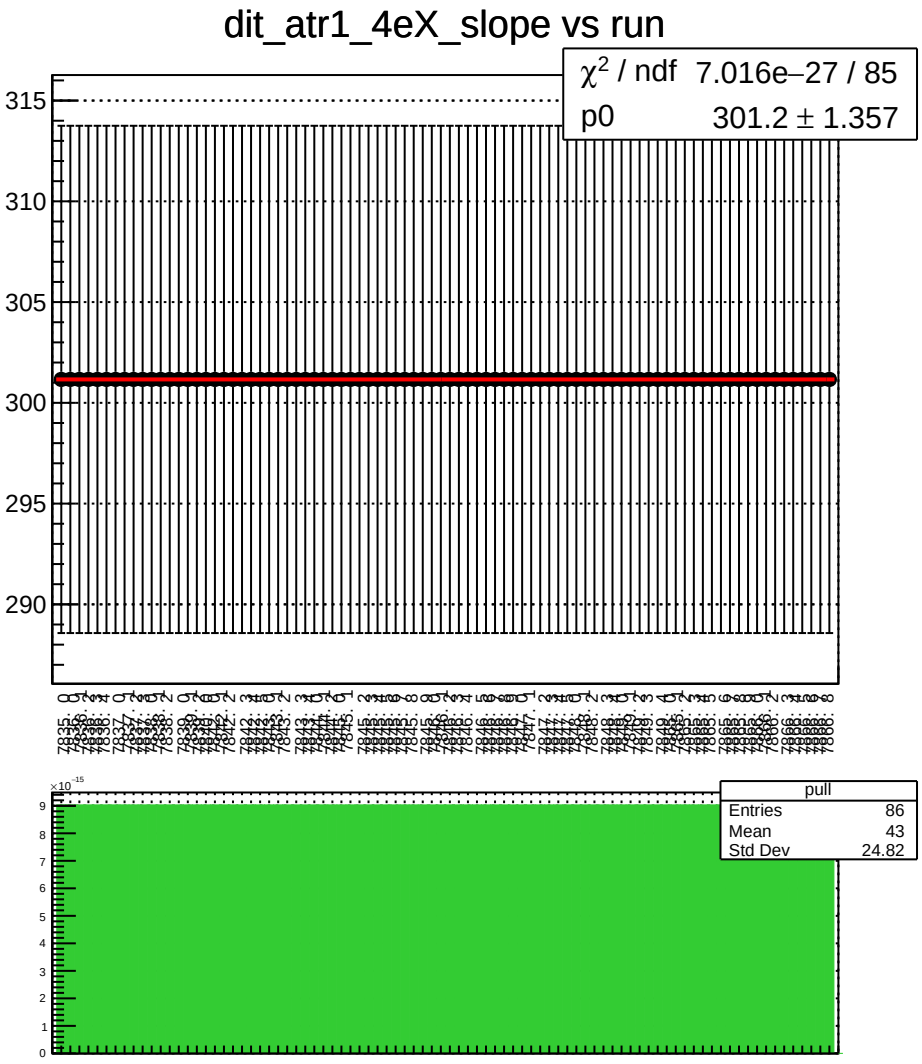

pull1D
Entries 86
Mean −1.228e−15
Std Dev 6.877e−23

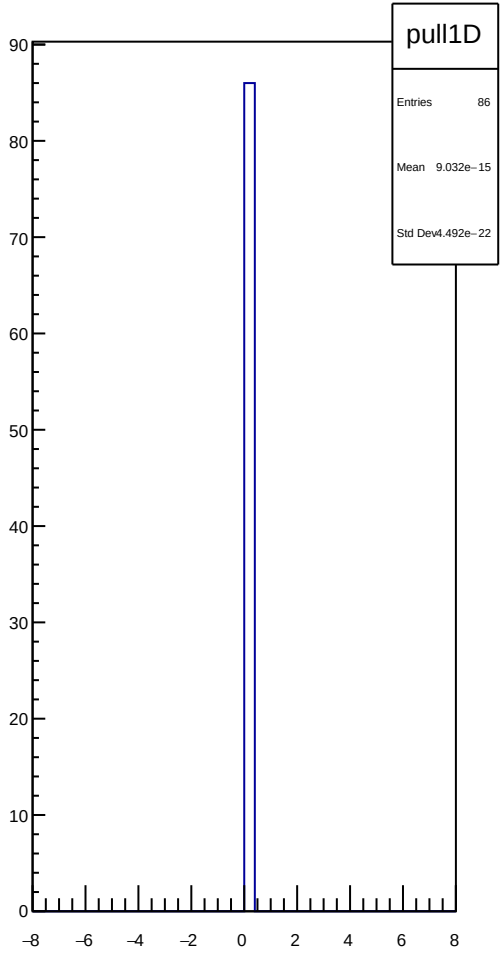

dit_atl2_4eY_slope vs run
χ^2 / ndf 6.157e−26 / 85
p0 121.3 ± 0.5727
126
124
122
120
118
116
pull
Entries 86
Mean 43
Std Dev 24.82
×10^−15
0
−5
−10
−15
−20
−25

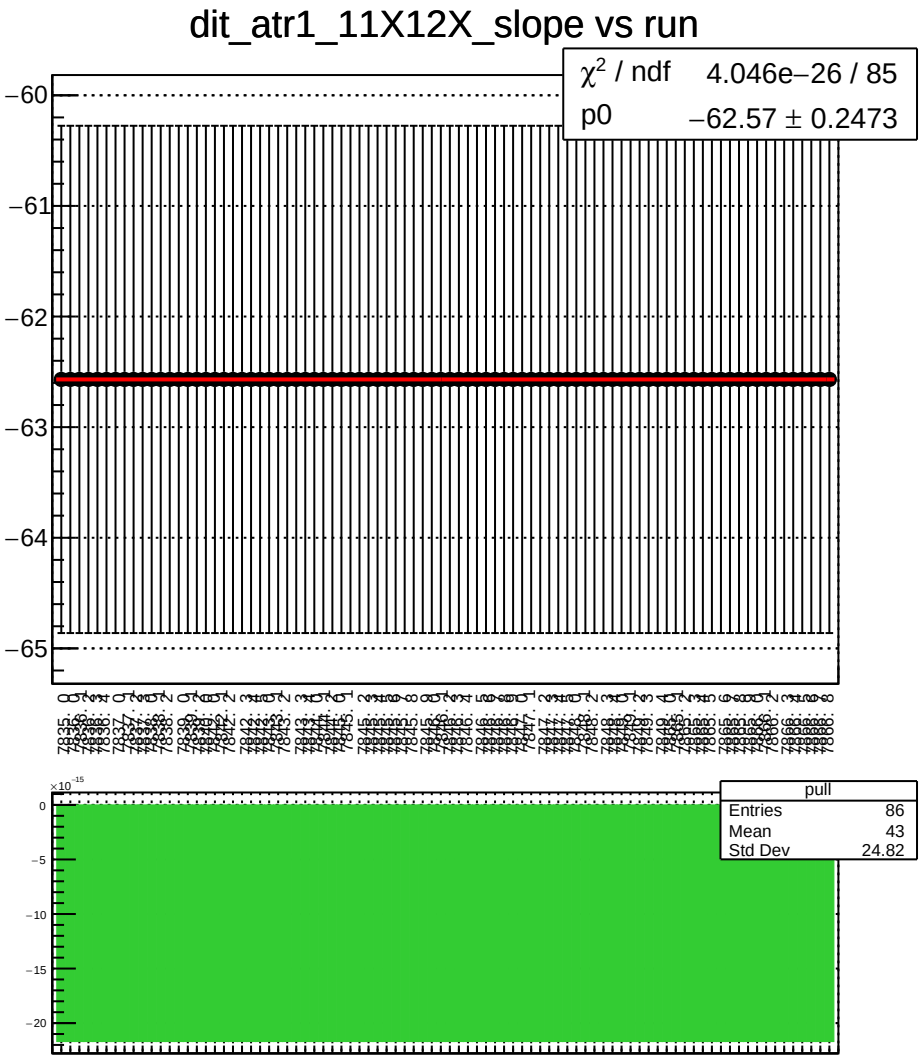

pull1D
Entries 86
Mean −2.676e−14
Std Dev 0
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

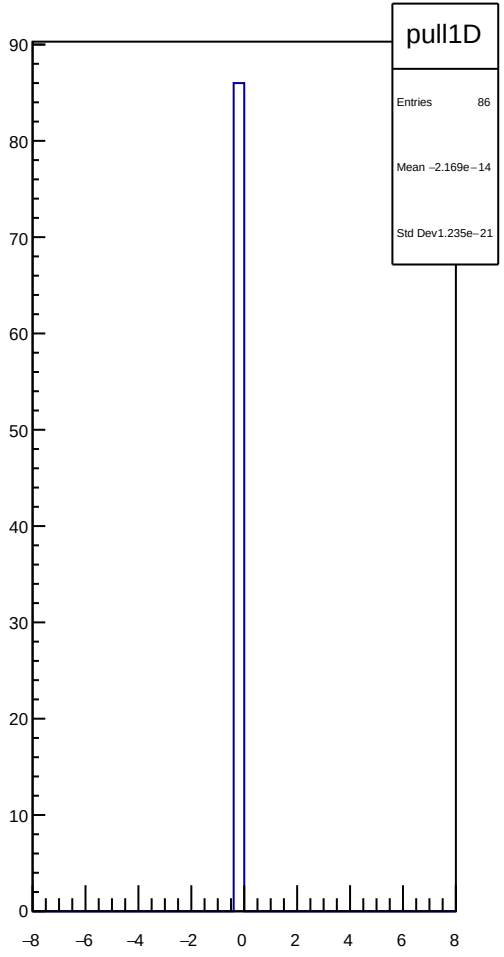

dit_atr1_4aX_slope vs run
χ^2 / ndf 4.617e−26 / 85
p0 −339 ± 1.323
−325
−330
−335
−340
−345
−350
pull
Entries 86
Mean 43
Std Dev 24.82
×10^−15
24
22
20
18
16
14
12
10
8
6
4
2
0

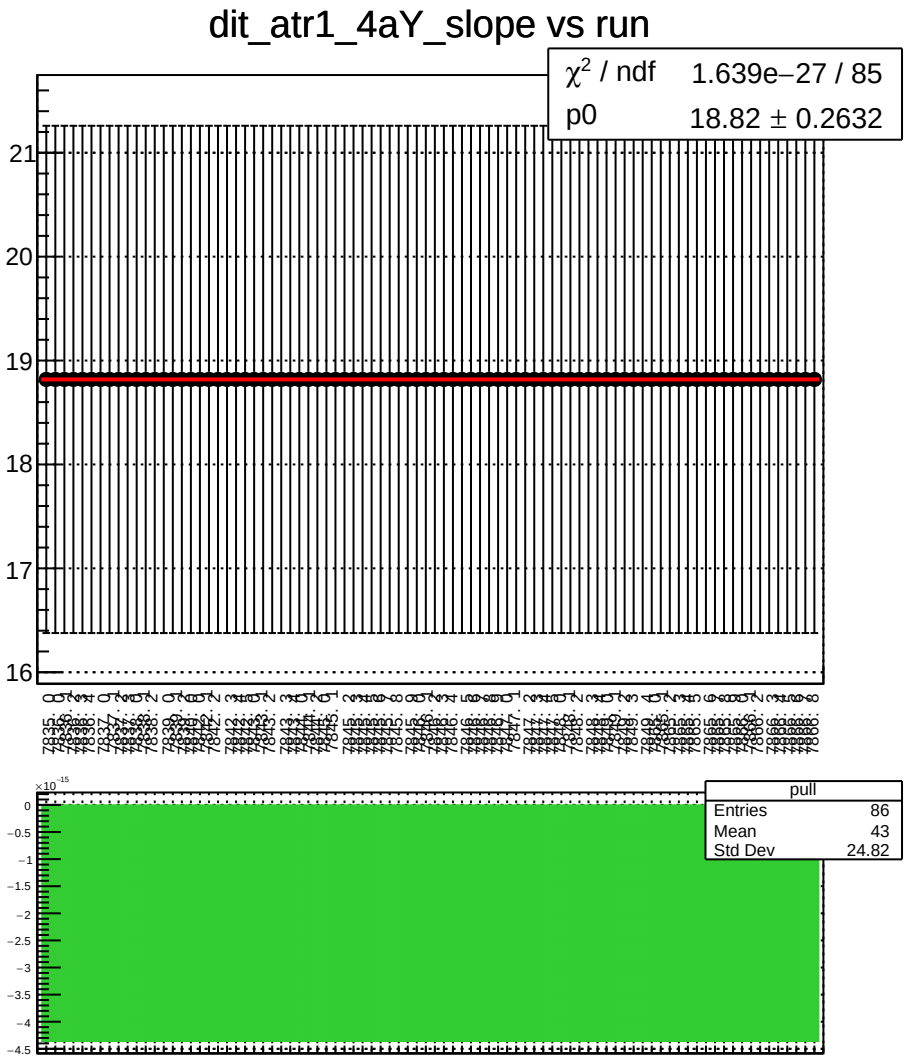

pull1D
Entries 86
Mean 2.317e−14
Std Dev 7.923e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

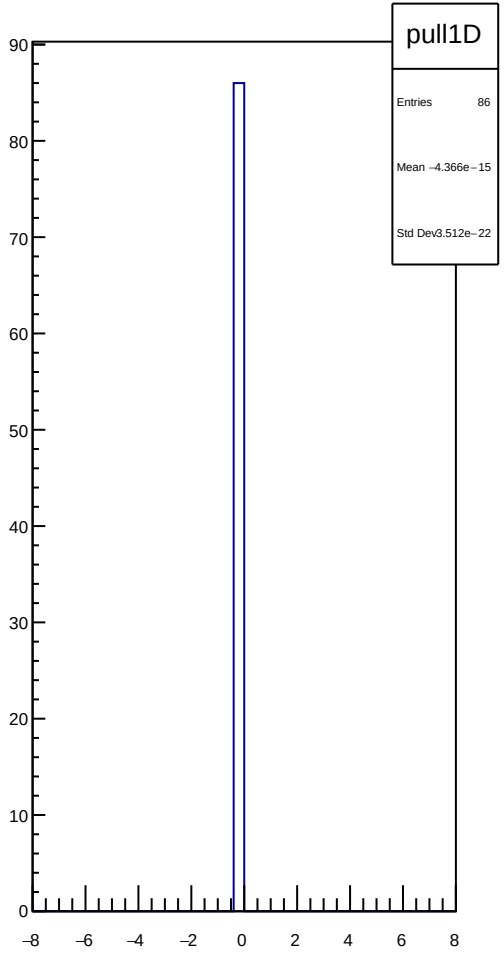

dit_atr1_4eX_slope vs run
χ² / ndf 7.016e−27 / 85
p0 301.2 ± 1.357
315
310
305
300
295
290
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
9
8
7
6
5
4
3
2
1
0

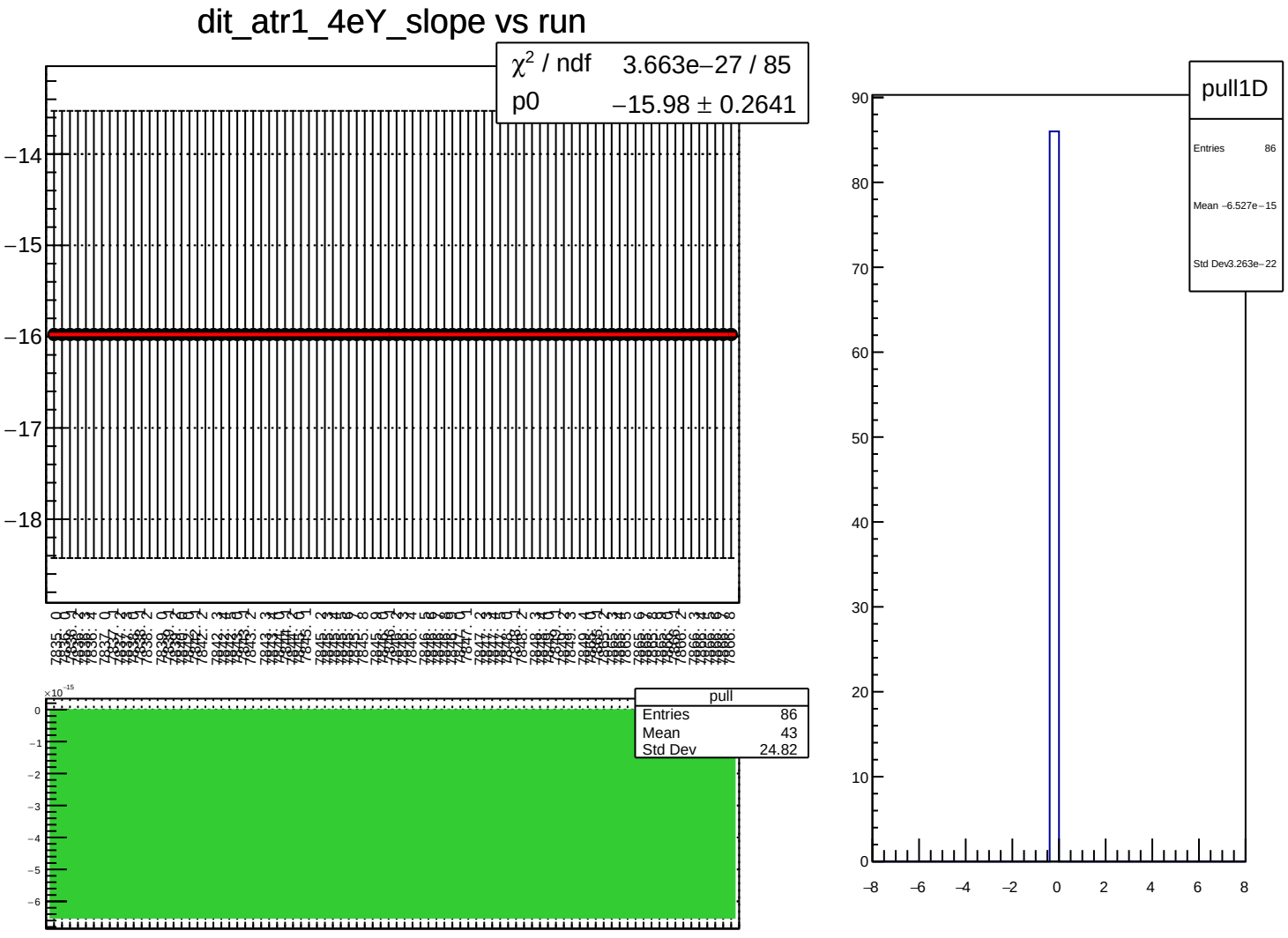

pull1D
Entries 86
Mean 9.032e−15
Std Dev4.492e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

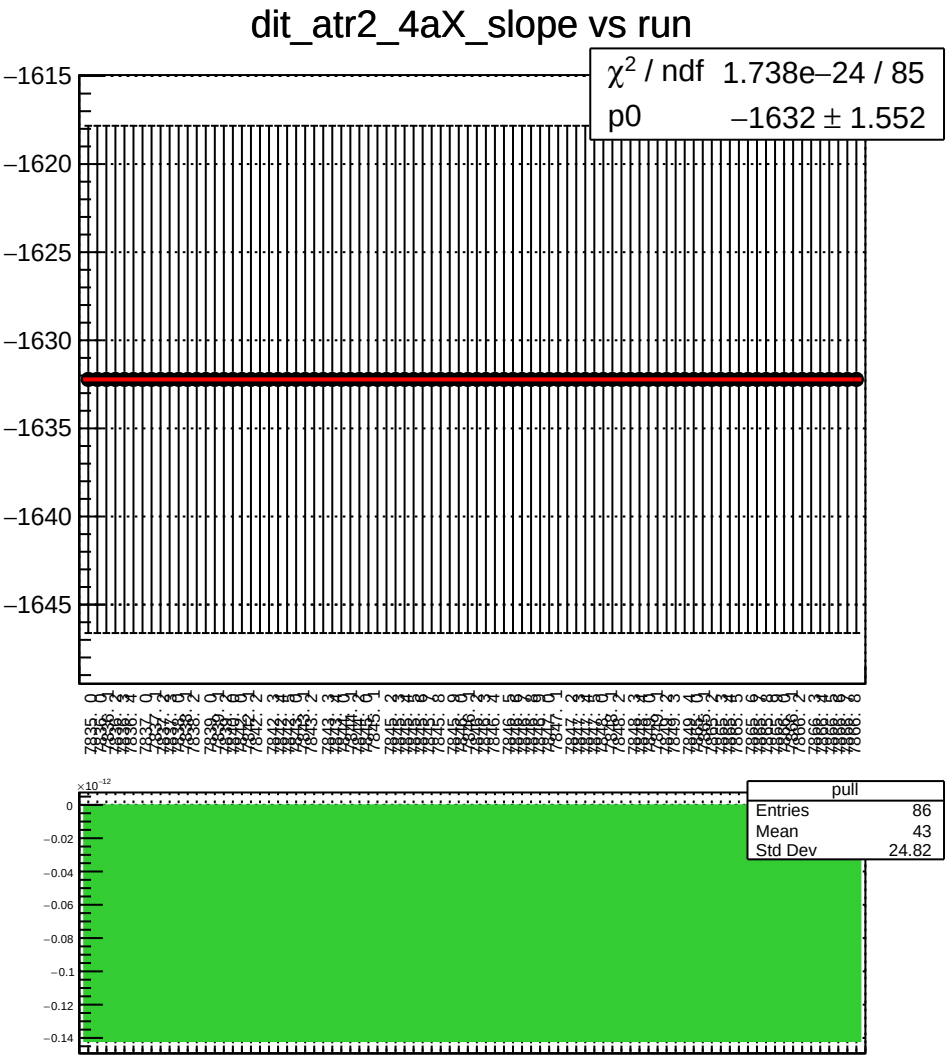

dit_atr1_11X12X_slope vs run
χ^2 / ndf 4.046e−26 / 85
p0 −62.57 ± 0.2473
−60
−61
−62
−63
−64
−65
pull
Entries 86
Mean 43
Std Dev 24.82
×10^−15
0
−5
−10
−15
−20

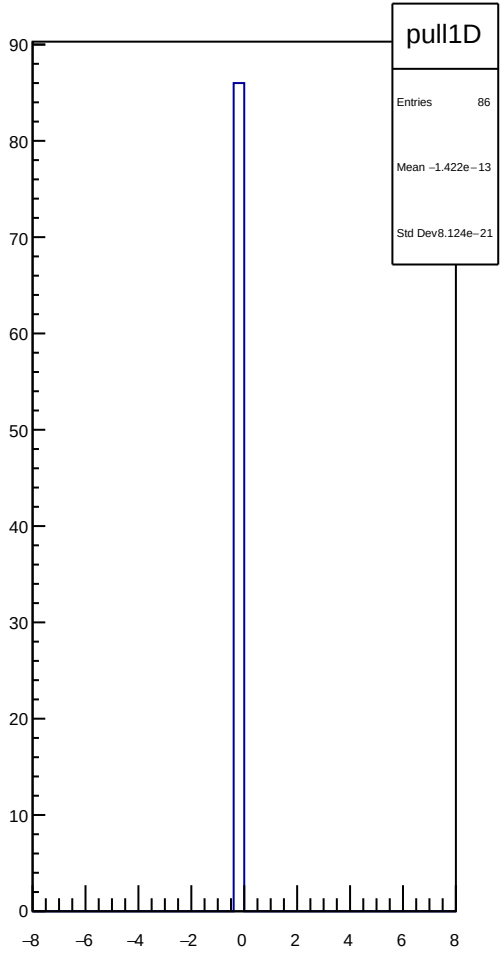

pull1D
Entries 86
Mean −2.169e−14
Std Dev1.235e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

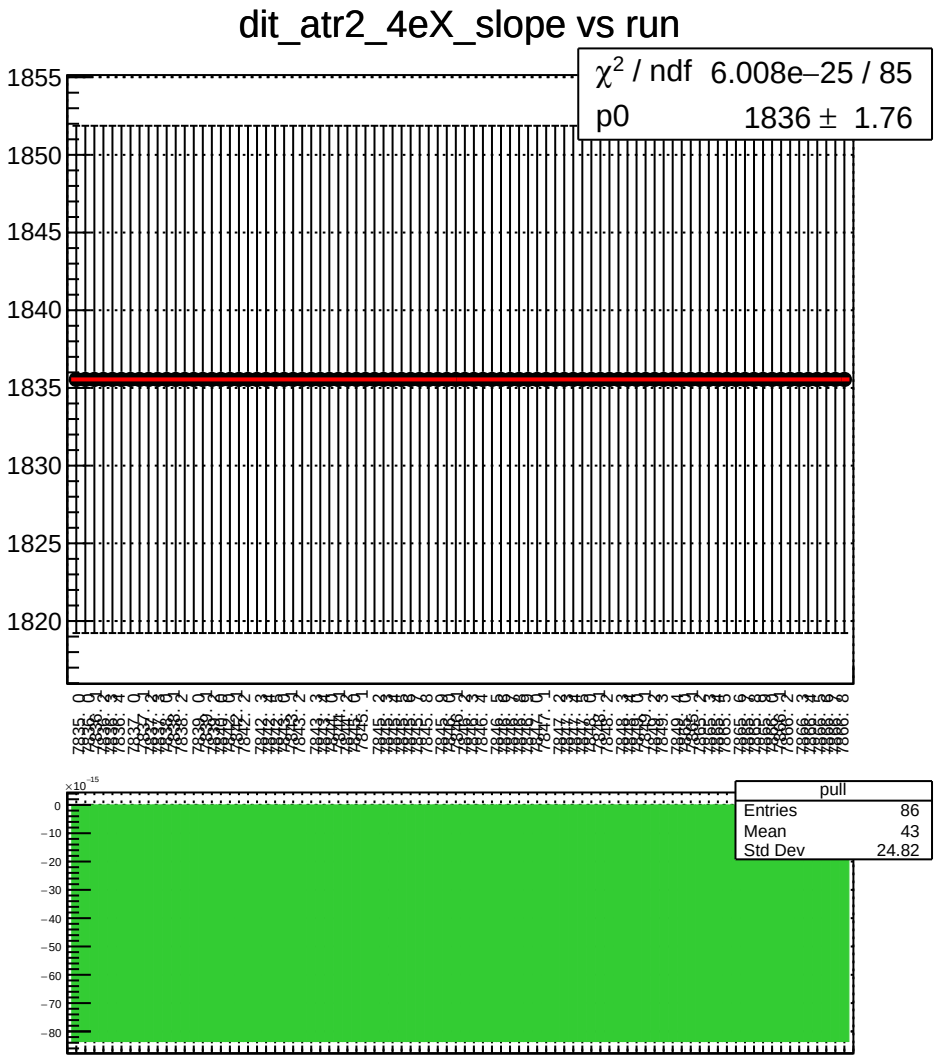

dit_atr1_4aY_slope vs run
χ^2 / ndf 1.639e−27 / 85
p0 18.82 ± 0.2632
21
20
19
18
17
16
pull
Entries 86
Mean 43
Std Dev 24.82
×10^−15
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
−4
−4.5

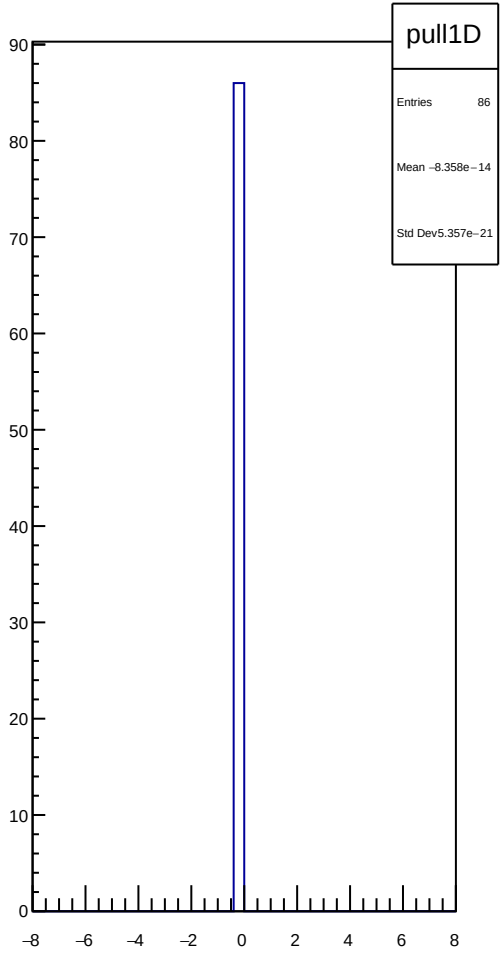

pull1D
Entries 86
Mean −4.366e−15
Std Dev3.512e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_atr1_4eY_slope vs run
χ^2 / ndf 3.663e−27 / 85
p0 −15.98 ± 0.2641
−14
−15
−16
−17
−18
pull
Entries 86
Mean 43
Std Dev 24.82
×10^−15
0
−1
−2
−3
−4
−5
−6
pull1D
Entries 86
Mean −6.527e−15
Std Dev 3.263e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

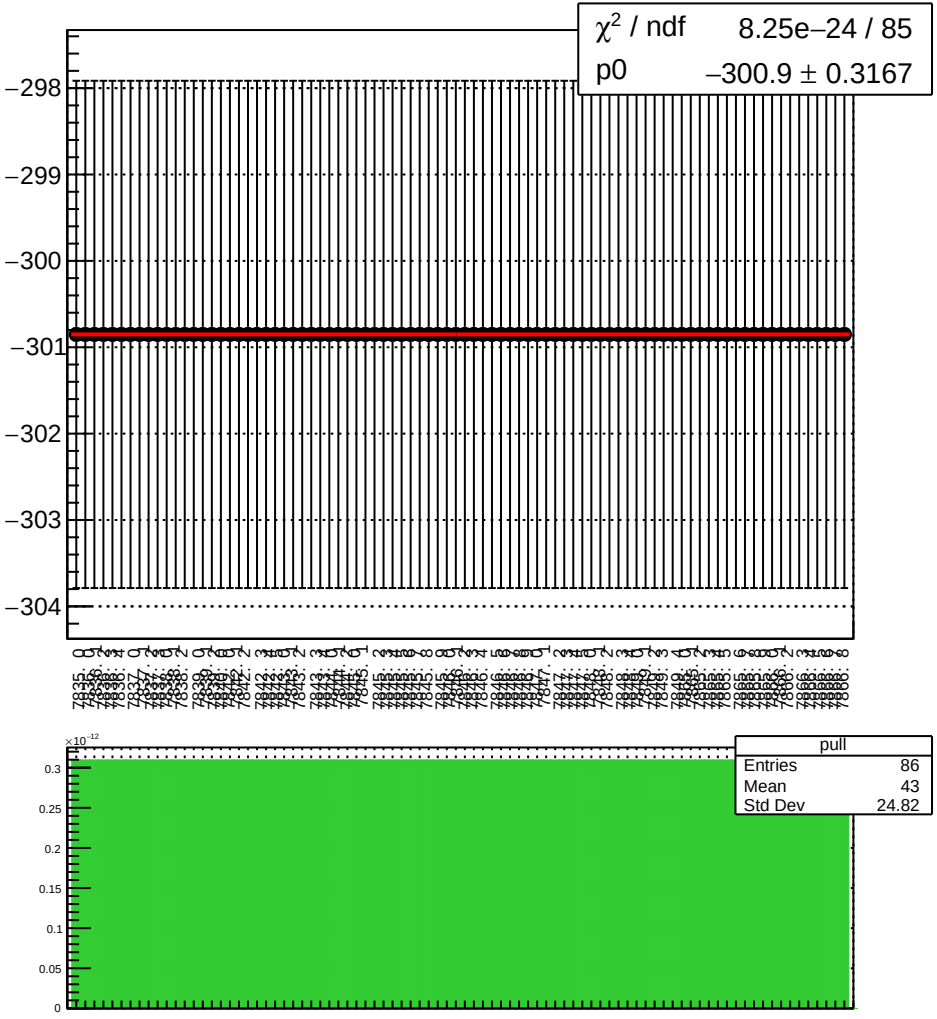

dit_atr2_4aX_slope vs run
χ^2 / ndf 1.738e−24 / 85
p0 −1632 ± 1.552
−1615
−1620
−1625
−1630
−1635
−1640
−1645
pull
Entries 86
Mean 43
Std Dev 24.82
×10^−12
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14

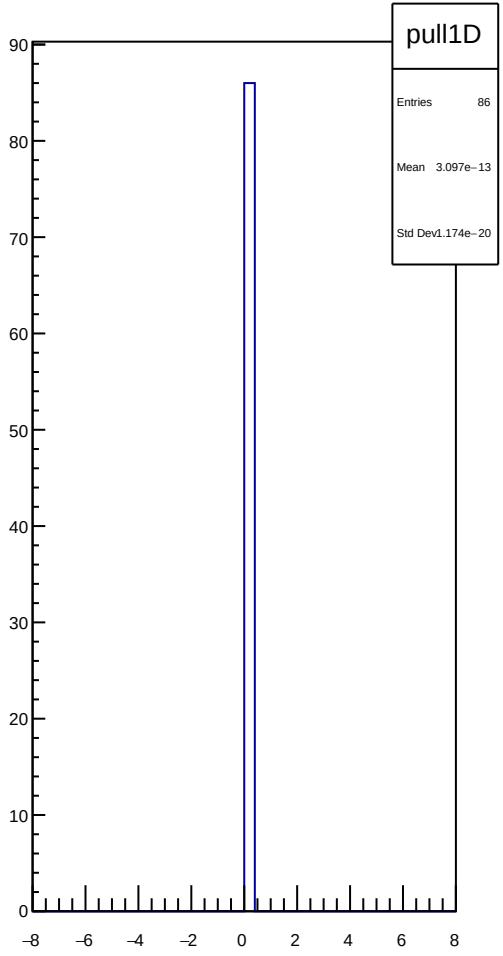

pull1D
Entries 86
Mean −1.422e−13
Std Dev8.124e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

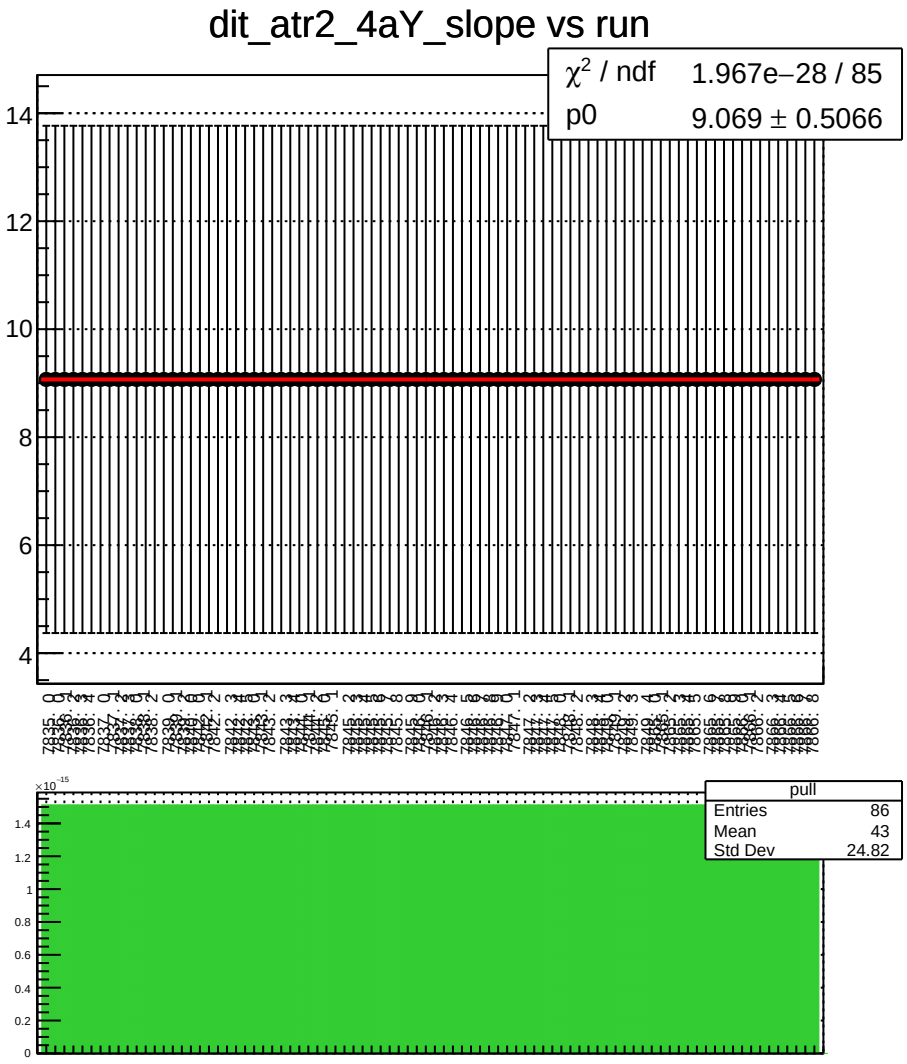

dit_atr2_4eX_slope vs run
χ^2 / ndf 6.008e−25 / 85
p0 1836 ± 1.76
1855
1850
1845
1840
1835
1830
1825
1820
pull
Entries 86
Mean 43
Std Dev 24.82
×10^-15
0
−10
−20
−30
−40
−50
−60
−70
−80

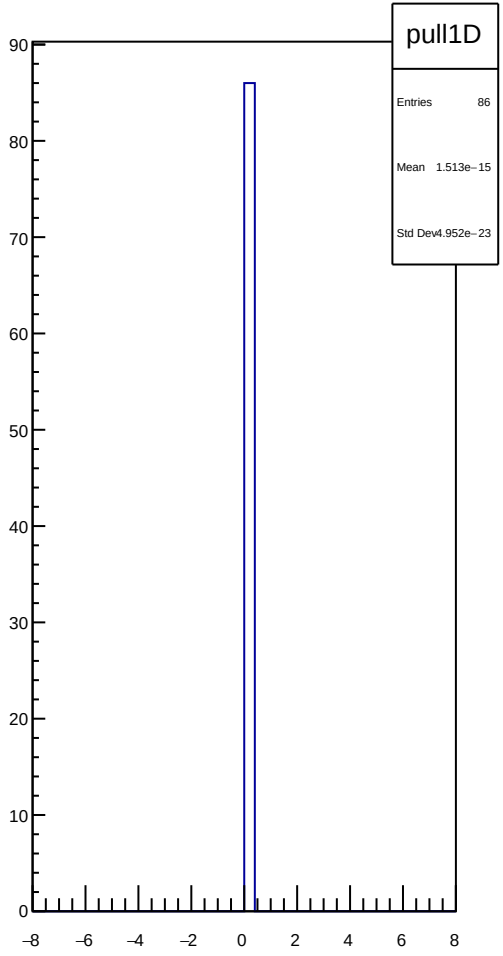

pull1D
Entries 86
Mean −8.358e−14
Std Dev5.357e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

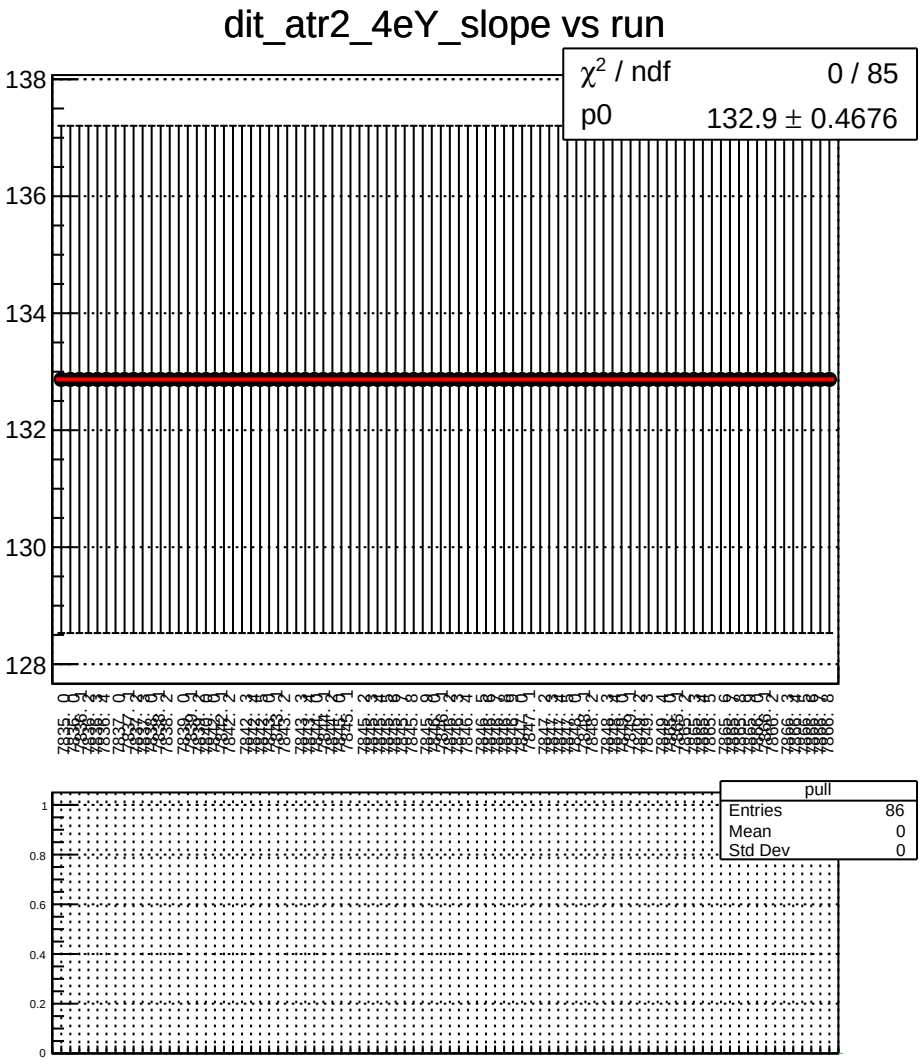
dit_atr2_11X12X_slope vs run

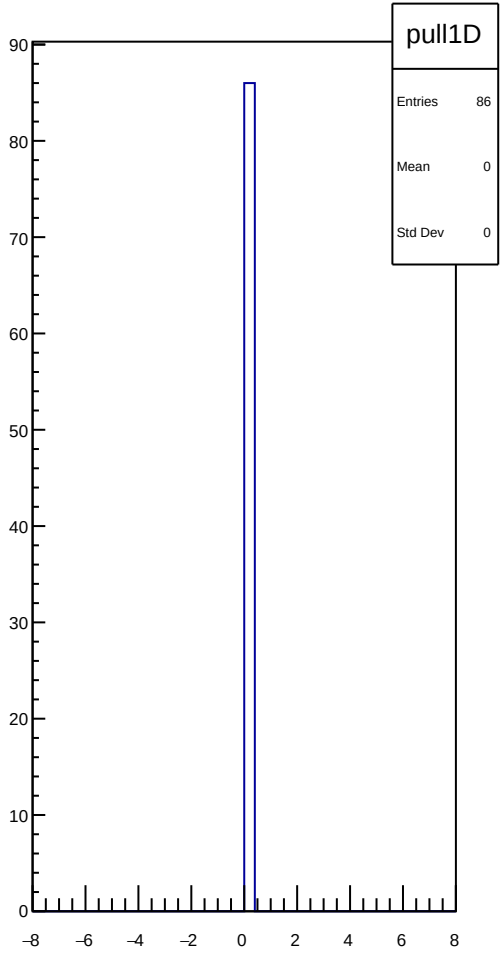


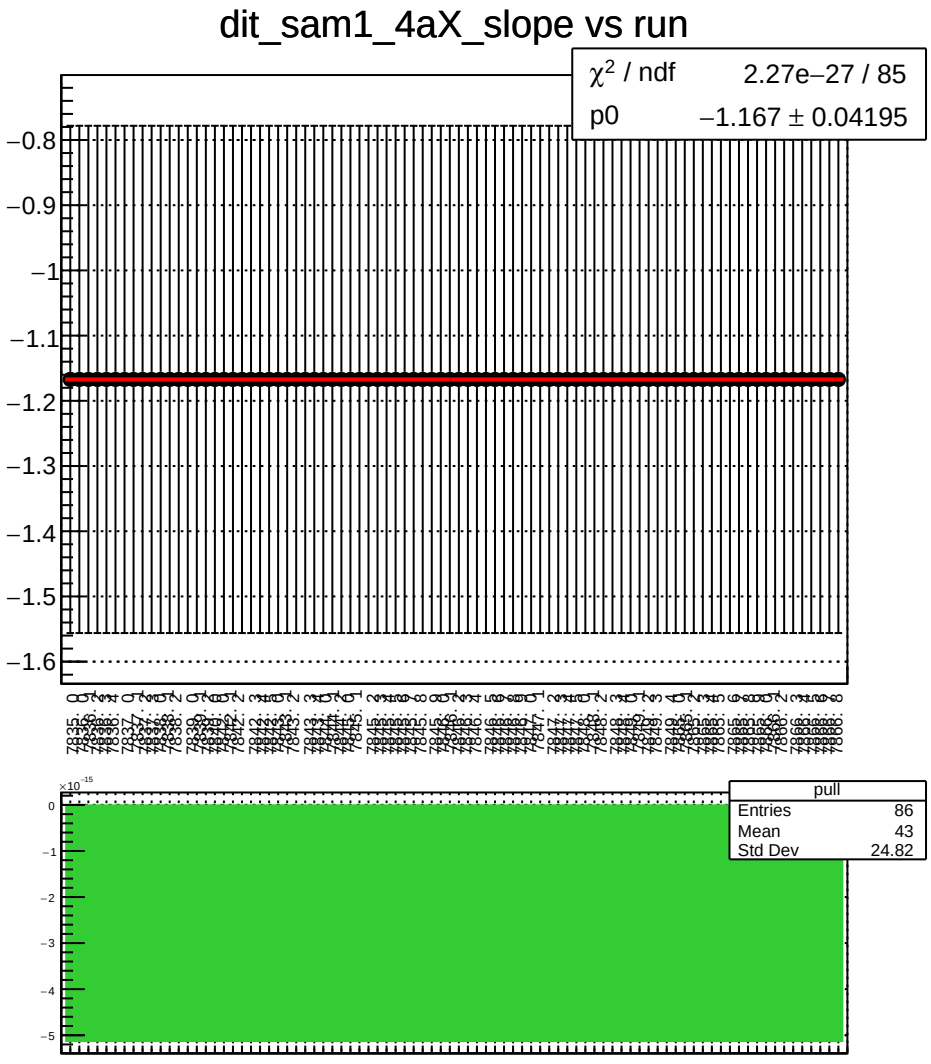


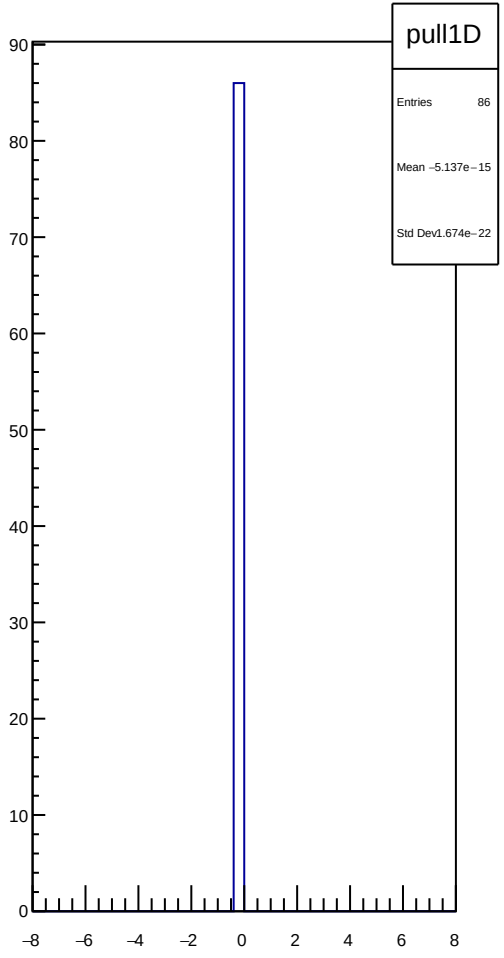

dit_atr2_4aY_slope vs run
χ^2 / ndf 1.967e−28 / 85
p0 9.069 ± 0.5066
pull
Entries 86
Mean 43
Std Dev 24.82

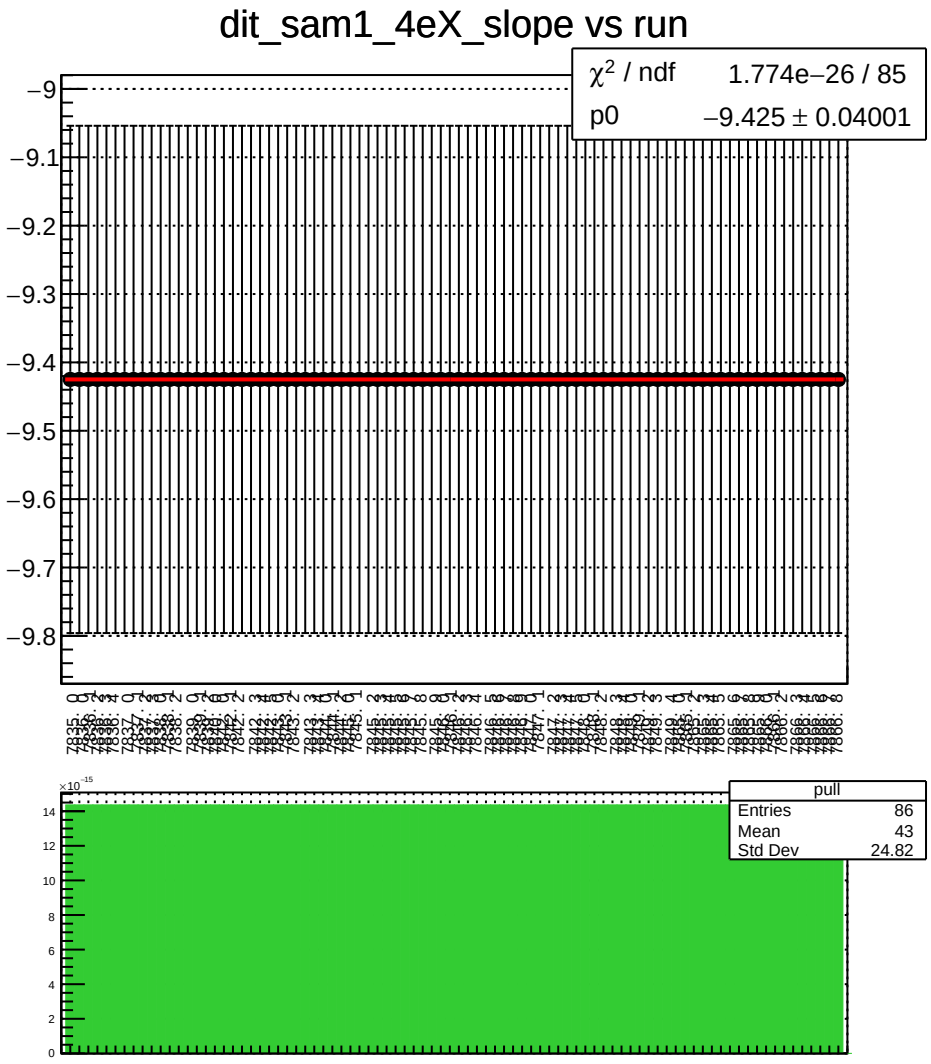

pull1D
Entries 86
Mean 1.513e−15
Std Dev 4.952e−23

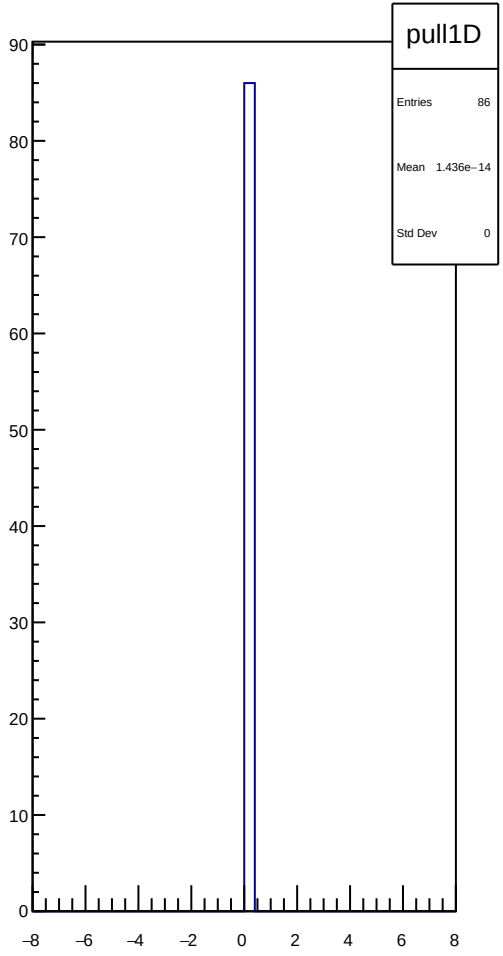

dit_atr2_4eY_slope vs run
χ^2 / ndf 0 / 85
p0 132.9 ± 0.4676
138
136
134
132
130
128
pull
Entries 86
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

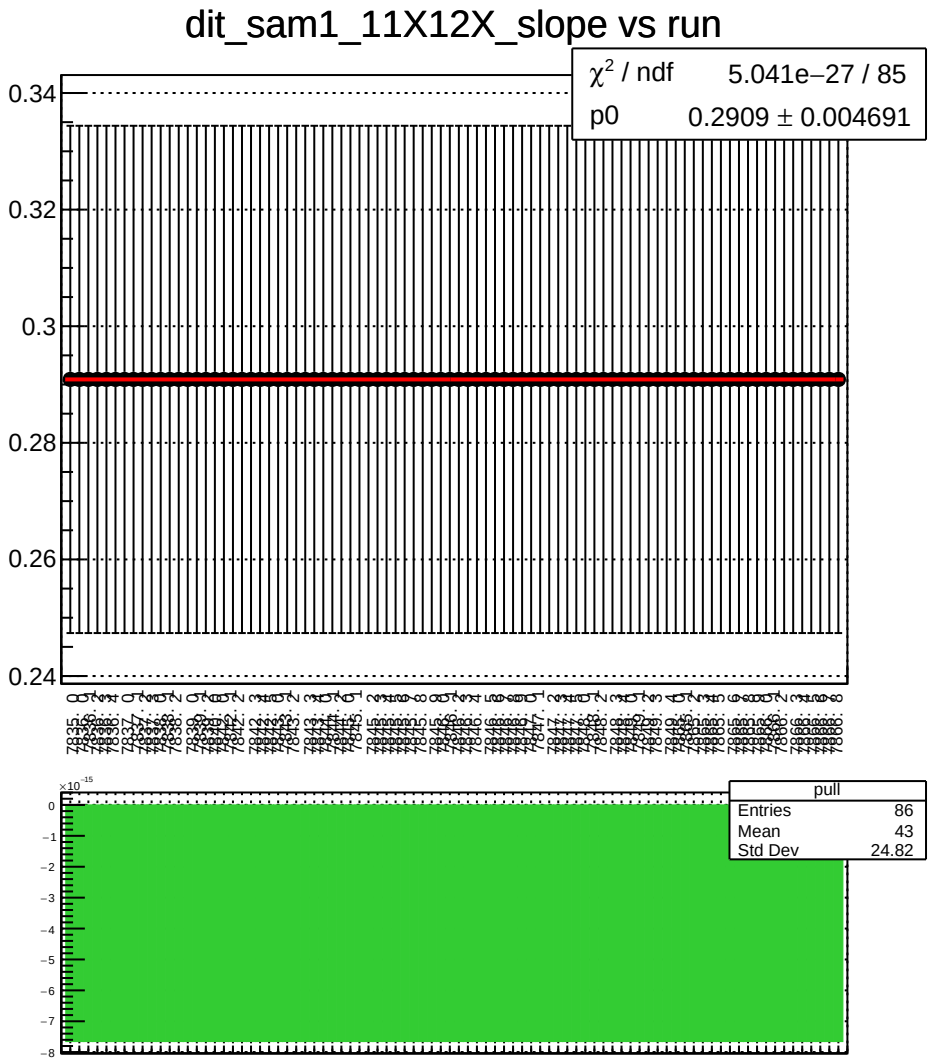

pull1D
Entries 86
Mean 0
Std Dev 0
90
80
70
60
50
40
30
20
10
0
–8
–6
–4
–2
0
2
4
6
8

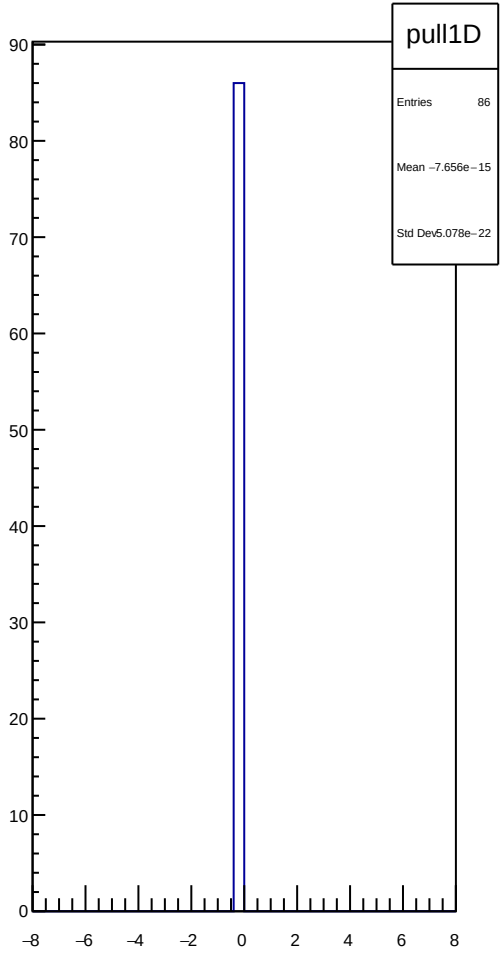

dit_sam1_4aX_slope vs run
χ^2 / ndf 2.27e−27 / 85
p0 −1.167 ± 0.04195
pull
Entries 86
Mean 43
Std Dev 24.82

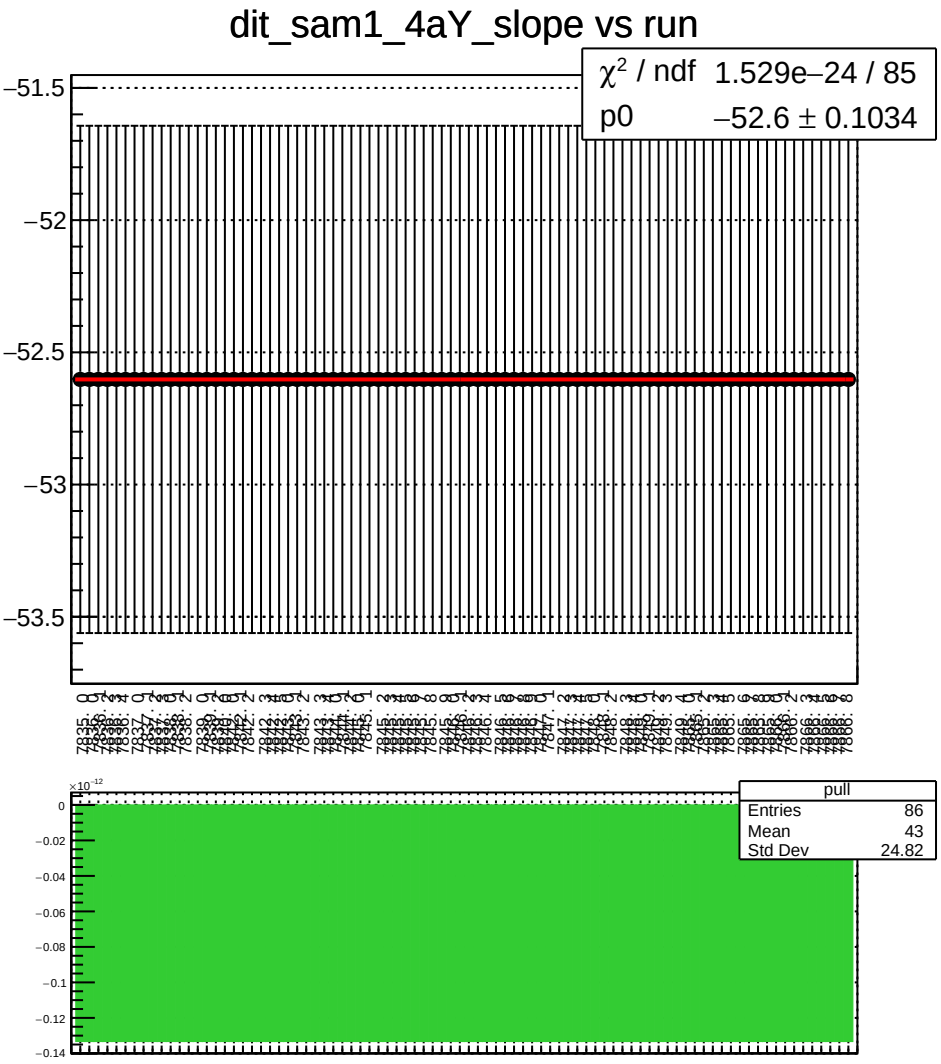

pull1D
Entries 86
Mean −5.137e−15
Std Dev1.674e−22

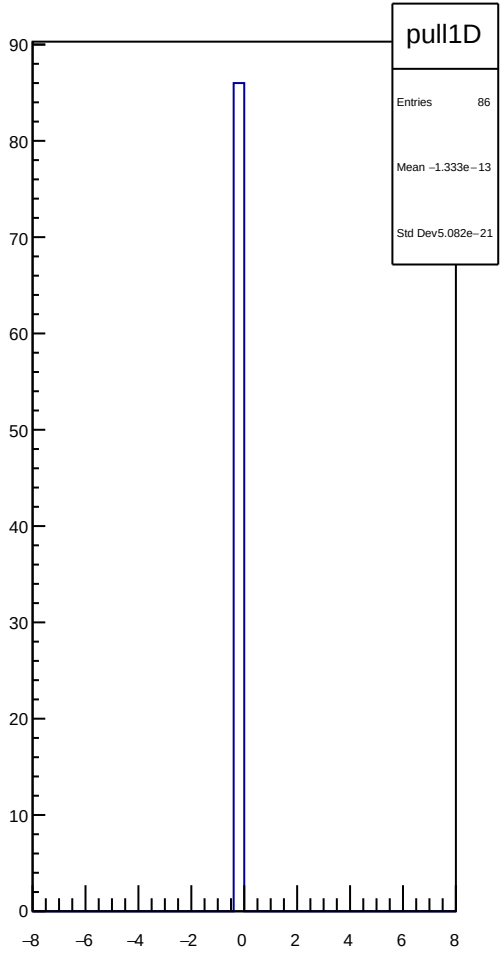

dit_sam1_4eX_slope vs run
χ^2 / ndf 1.774e−26 / 85
p0 −9.425 ± 0.04001
pull
Entries 86
Mean 43
Std Dev 24.82

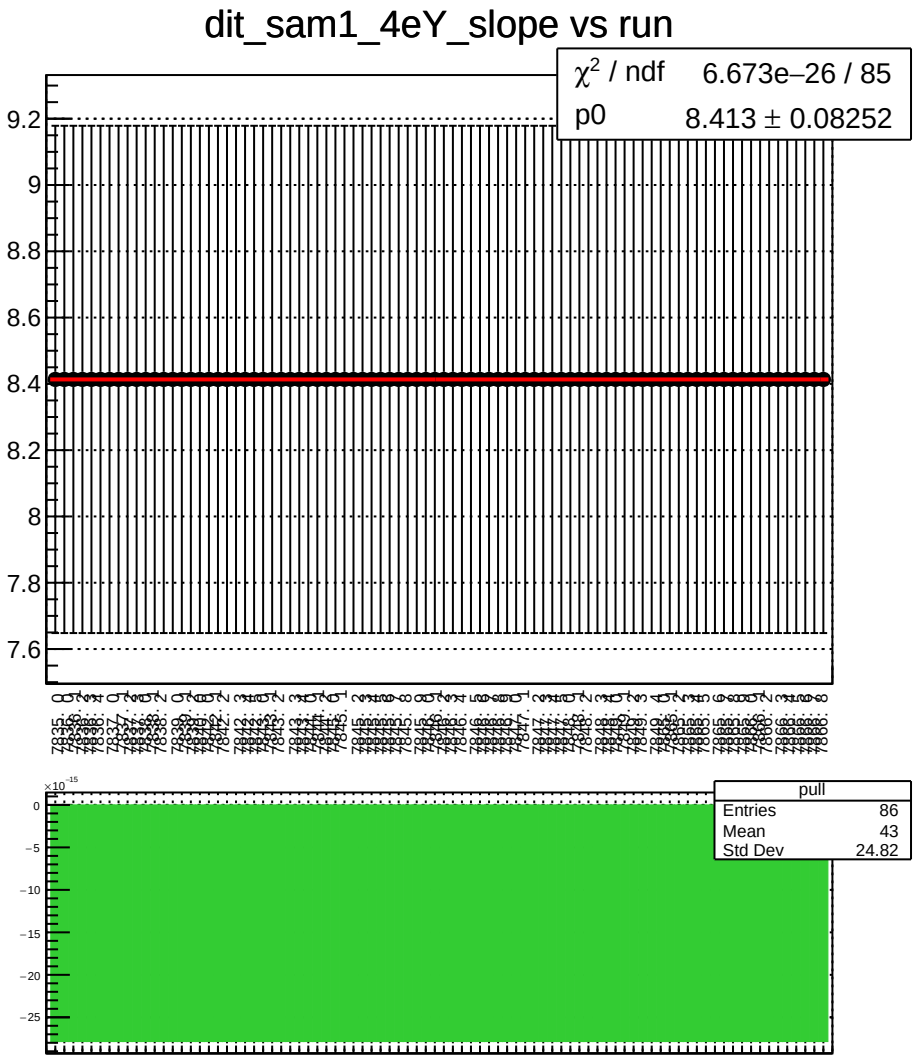

pull1D
Entries 86
Mean 1.436e−14
Std Dev 0

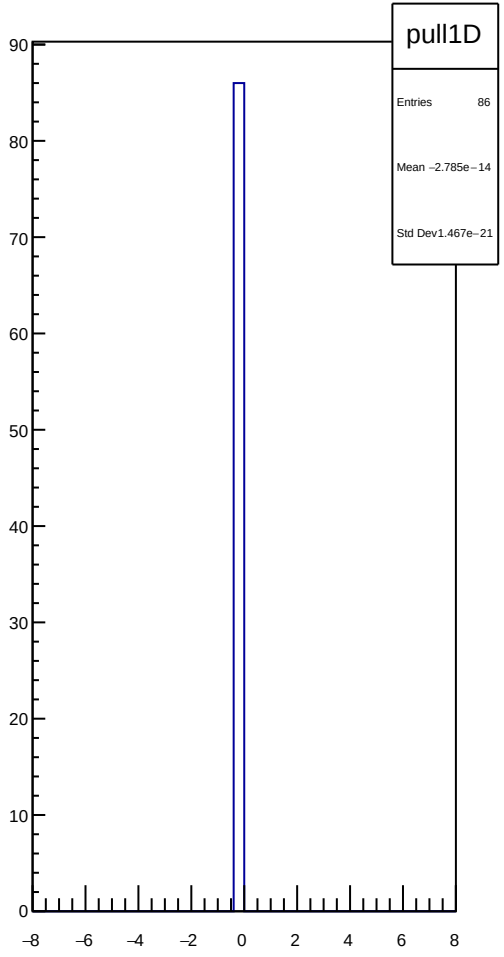

dit_sam1_11X12X_slope vs run
χ^2 / ndf 5.041e−27 / 85
p0 0.2909 ± 0.004691
0.34
0.32
0.3
0.28
0.26
0.24
pull
Entries 86
Mean 43
Std Dev 24.82
×10^-15
0
−1
−2
−3
−4
−5
−6
−7
−8

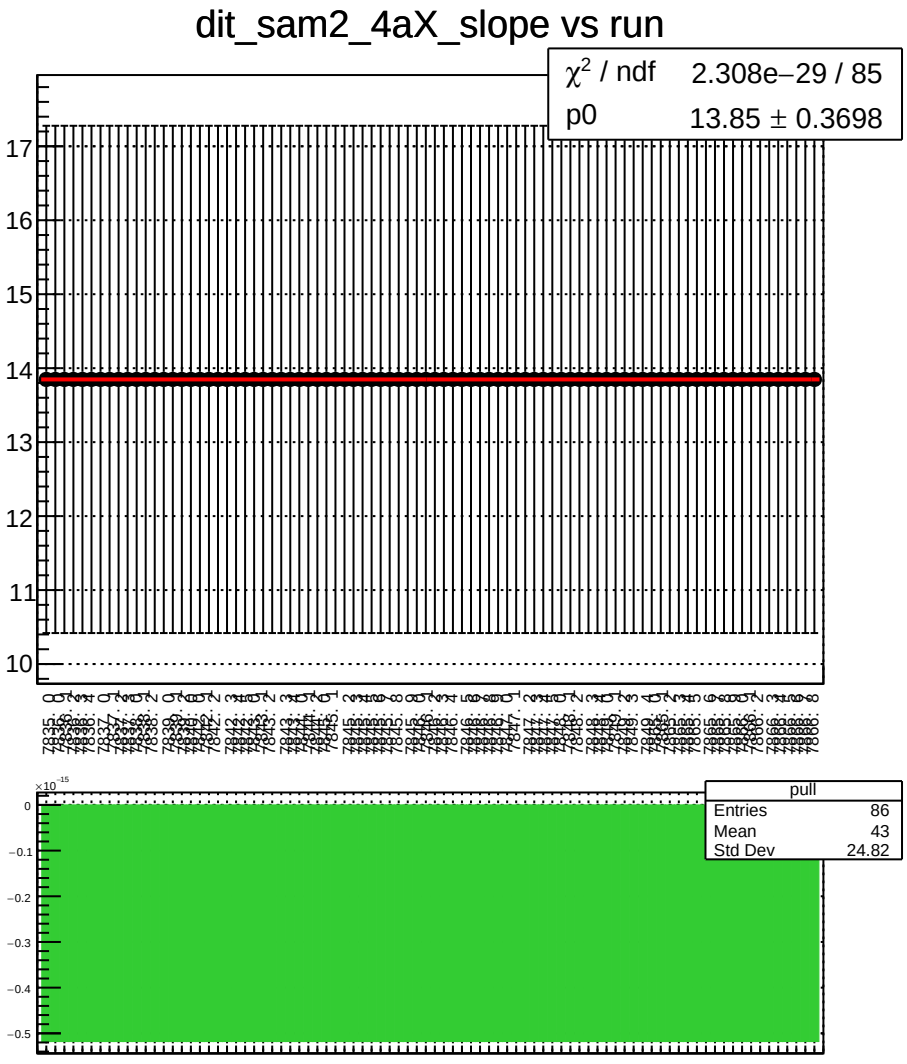

pull1D
Entries 86
Mean −7.656e−15
Std Dev 5.078e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

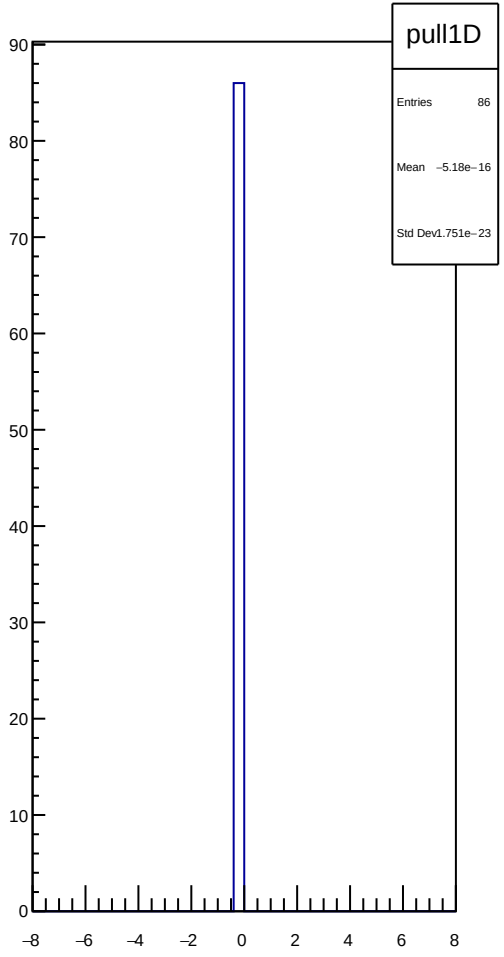

dit_sam1_4aY_slope vs run
χ^2 / ndf 1.529e−24 / 85
p0 −52.6 ± 0.1034
−51.5
−52
−52.5
−53
−53.5
pull
Entries 86
Mean 43
Std Dev 24.82
×10^−12
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14


pull1D
Entries 86
Mean −1.333e−13
Std Dev5.082e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

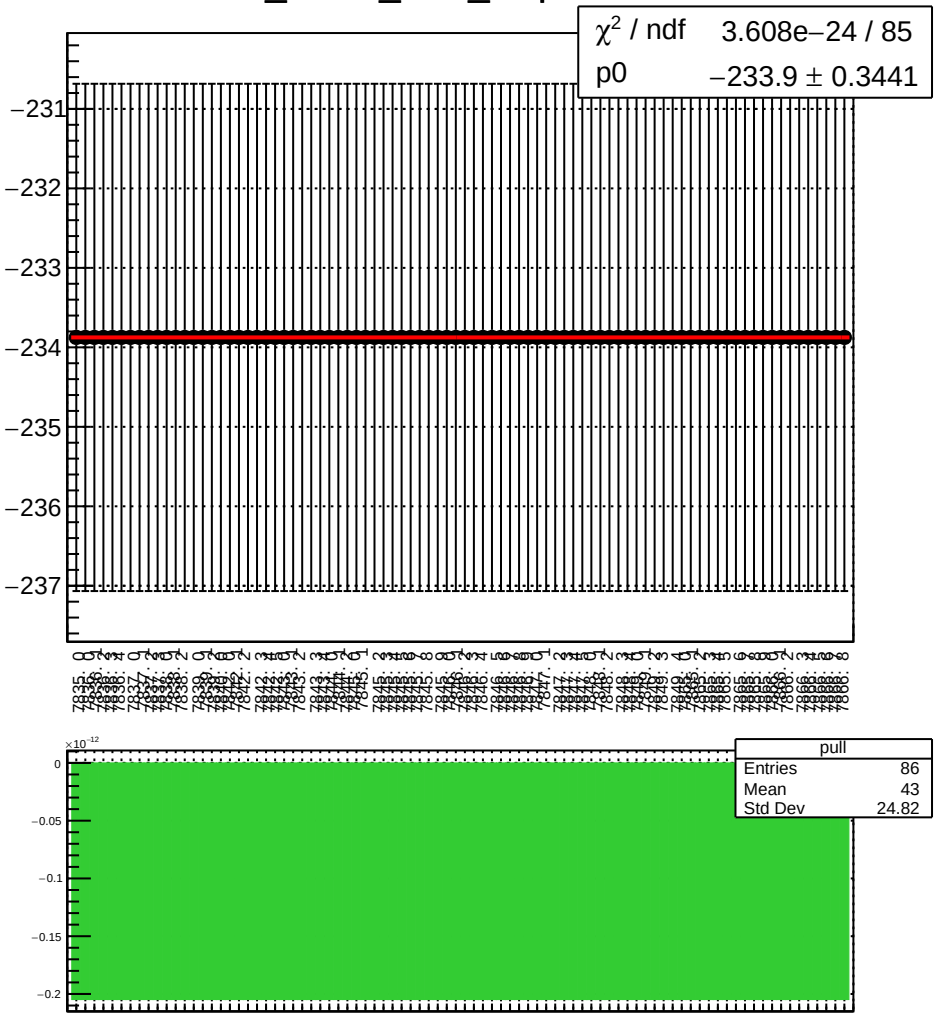

dit_sam1_4eY_slope vs run
χ^2 / ndf 6.673e−26 / 85
p0 8.413 ± 0.08252
pull
Entries 86
Mean 43
Std Dev 24.82

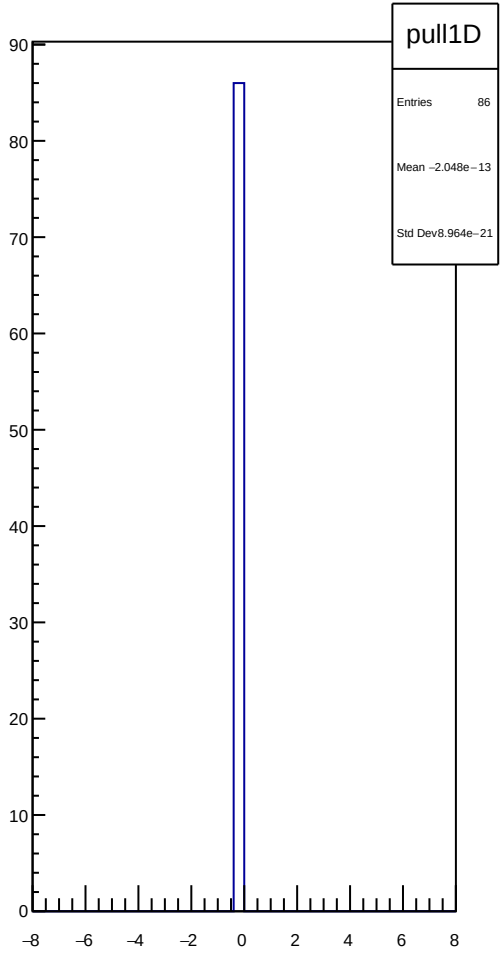

pull1D
Entries 86
Mean −2.785e−14
Std Dev1.467e−21


dit_sam2_4aX_slope vs run
χ^2 / ndf 2.308e−29 / 85
p0 13.85 ± 0.3698
pull
Entries 86
Mean 43
Std Dev 24.82

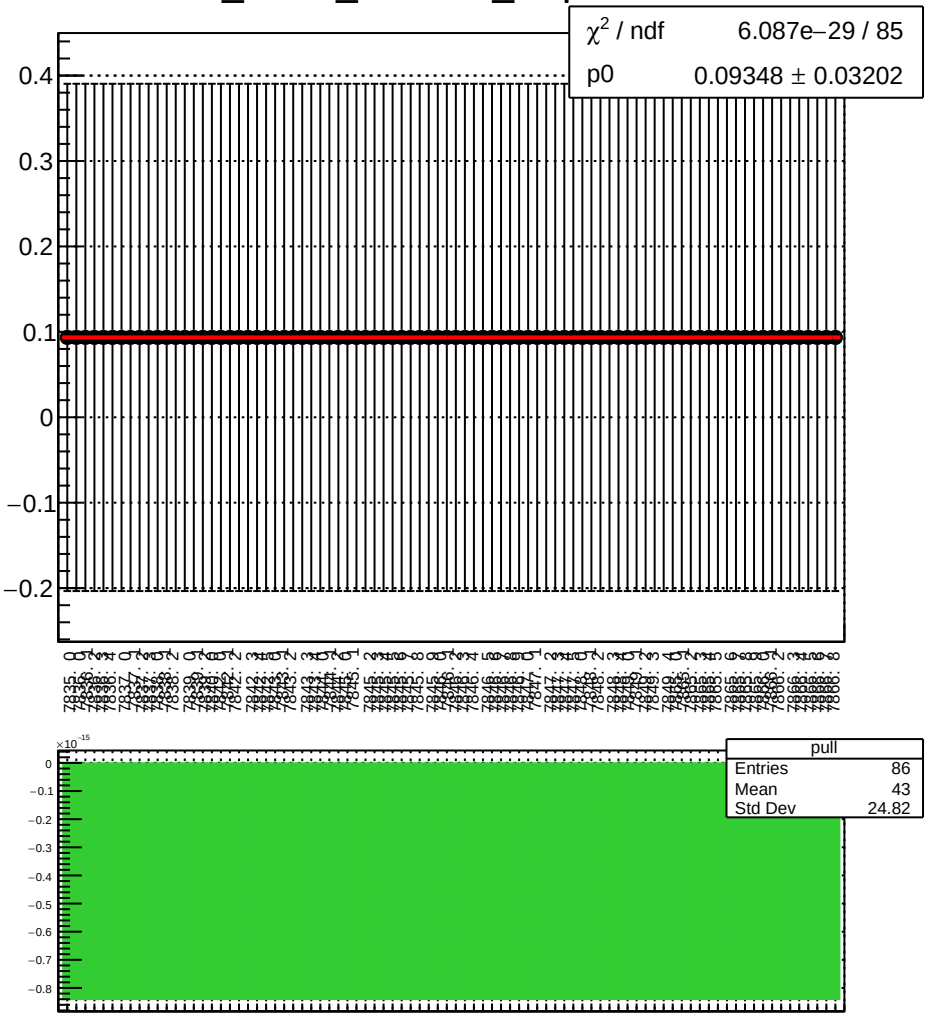

pull1D
Entries 86
Mean −5.18e−16
Std Dev1.751e−23

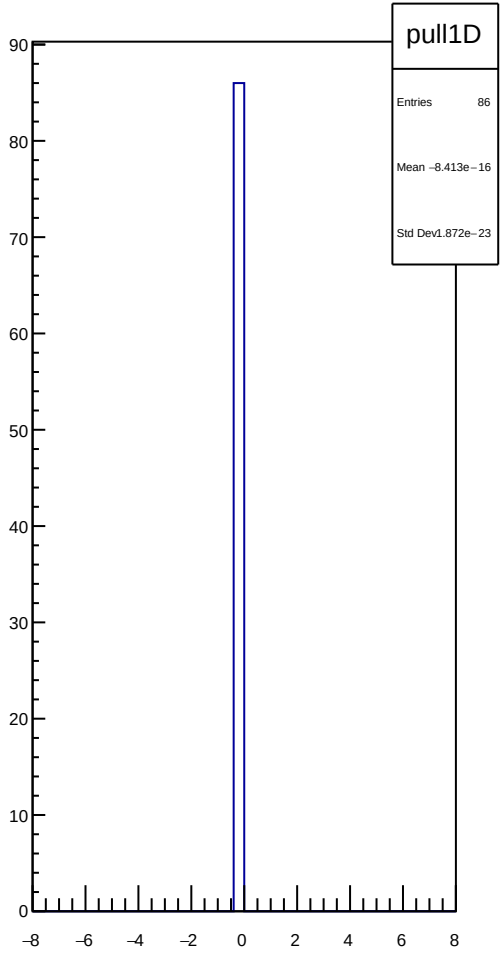
dit_sam2_4eX_slope vs run



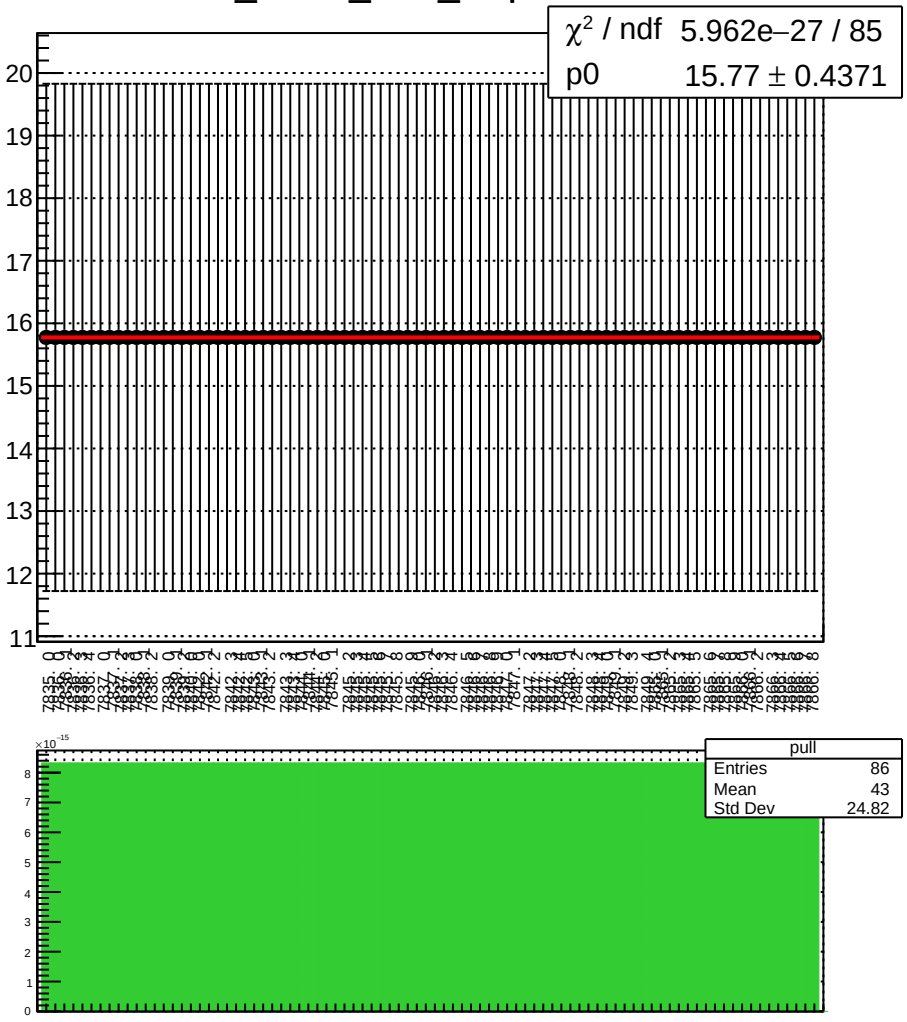


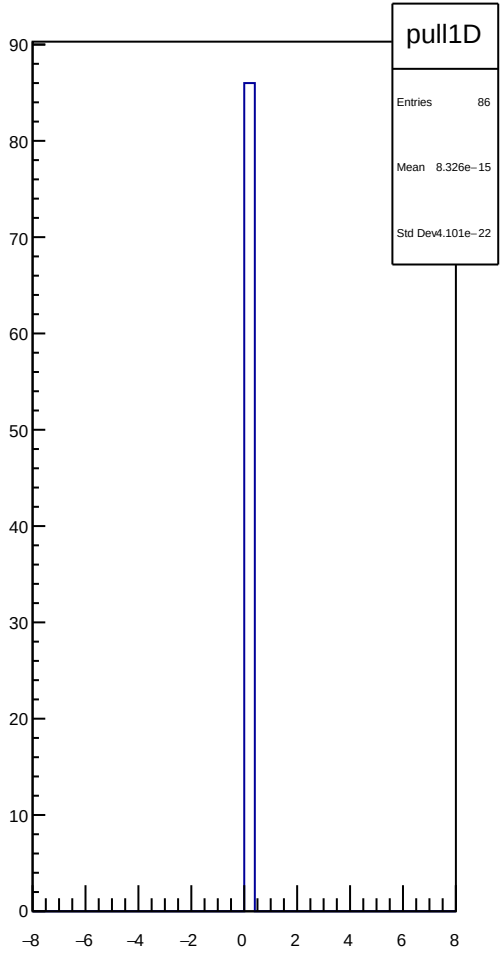
dit_sam2_11X12X_slope vs run

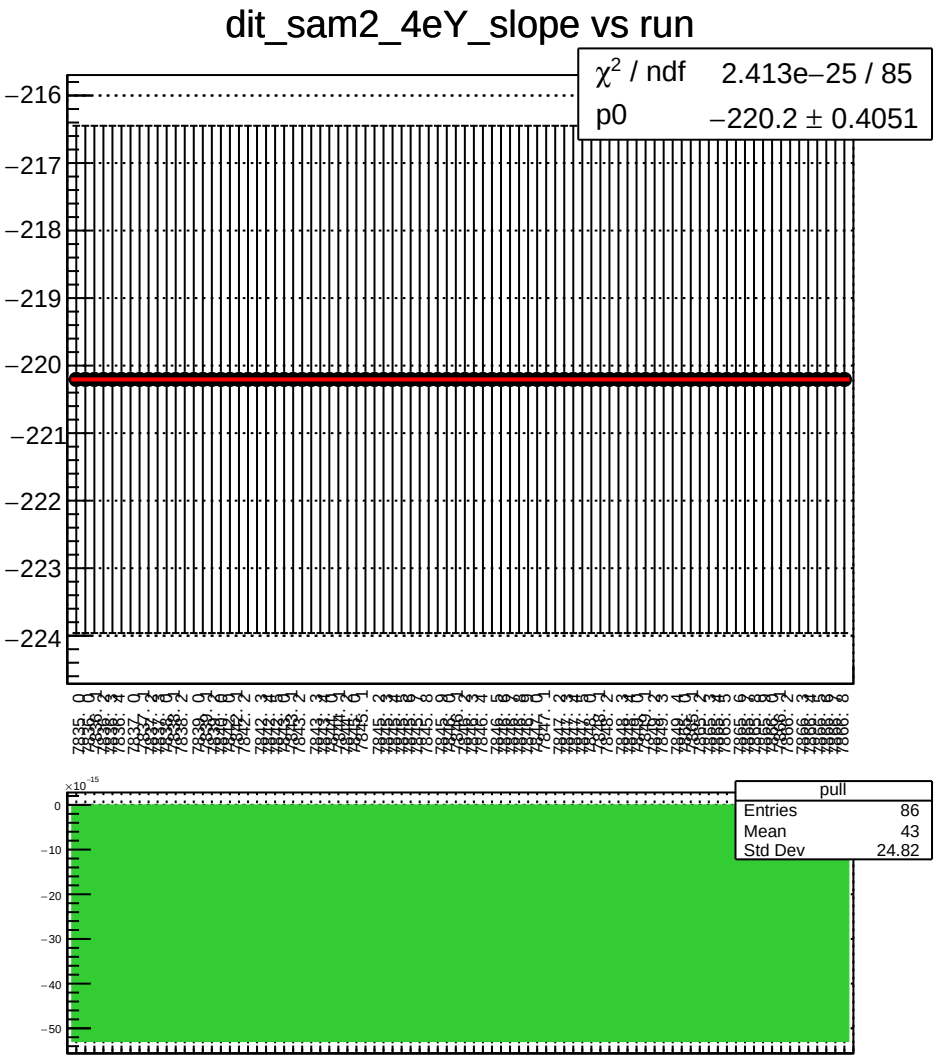


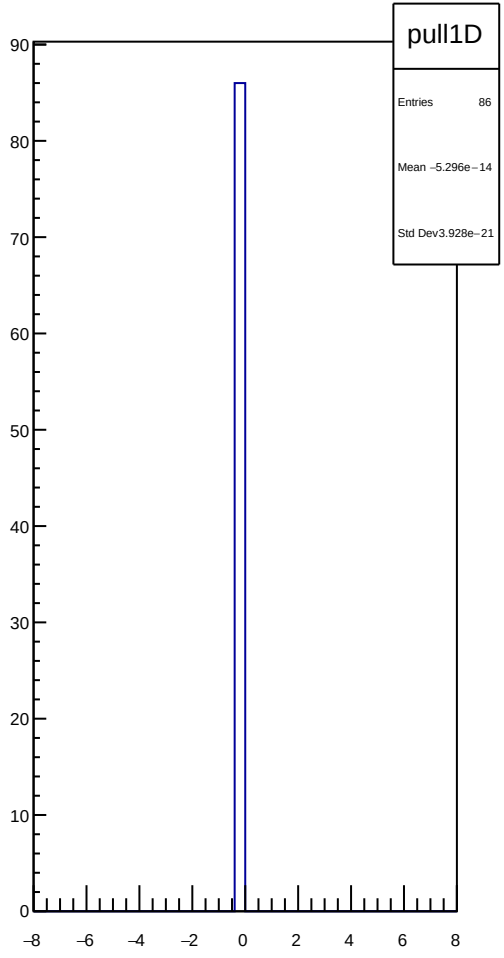


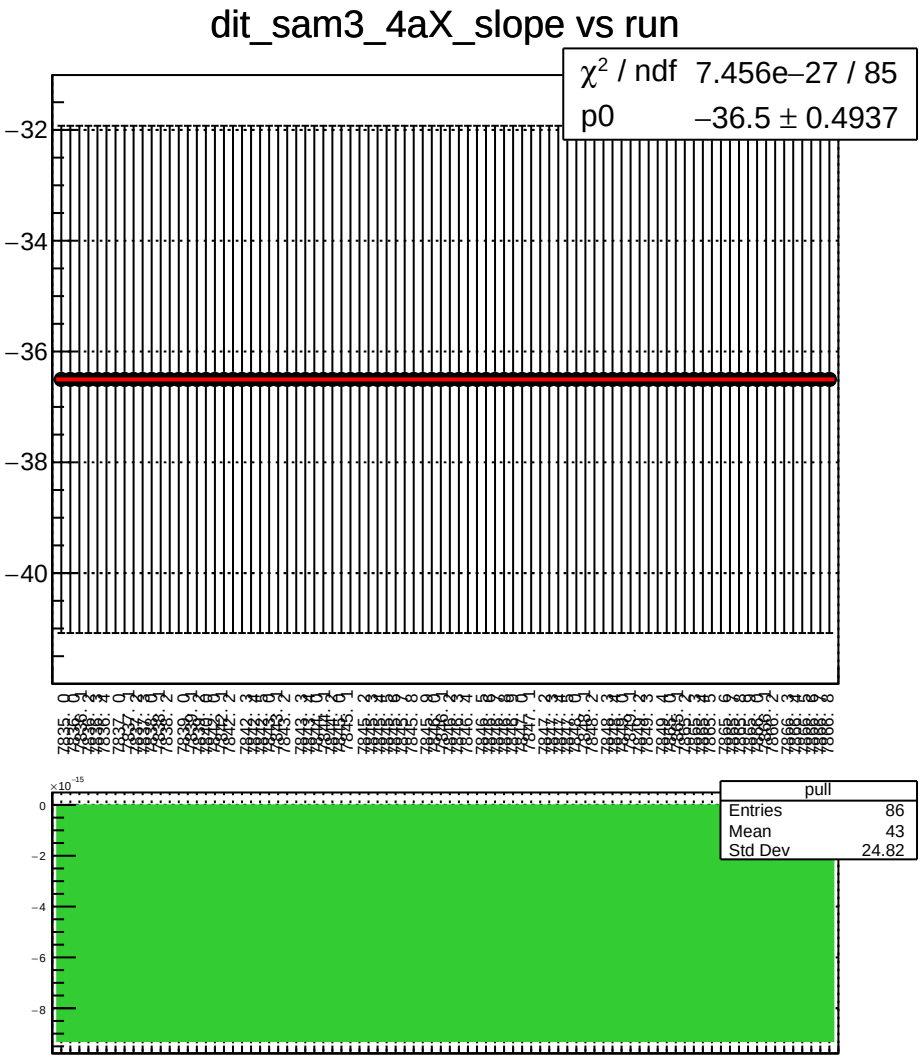
dit_sam2_4aY_slope vs run

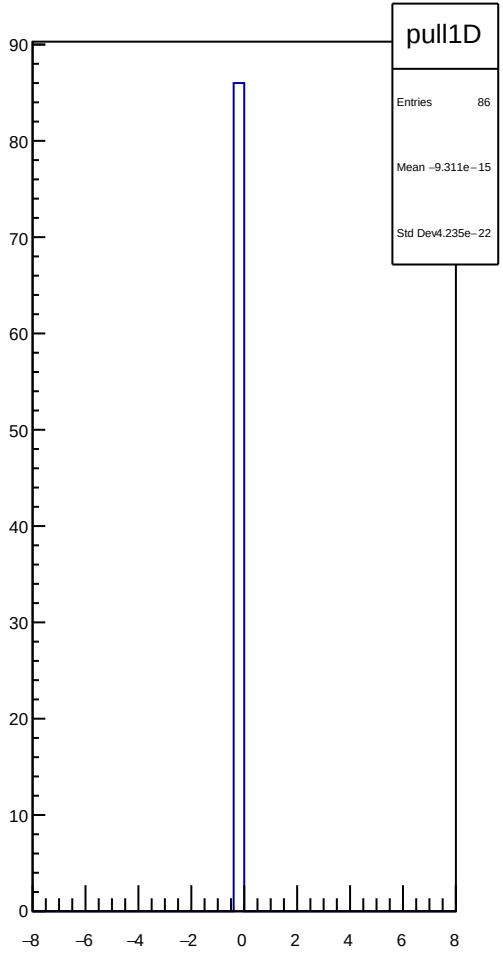


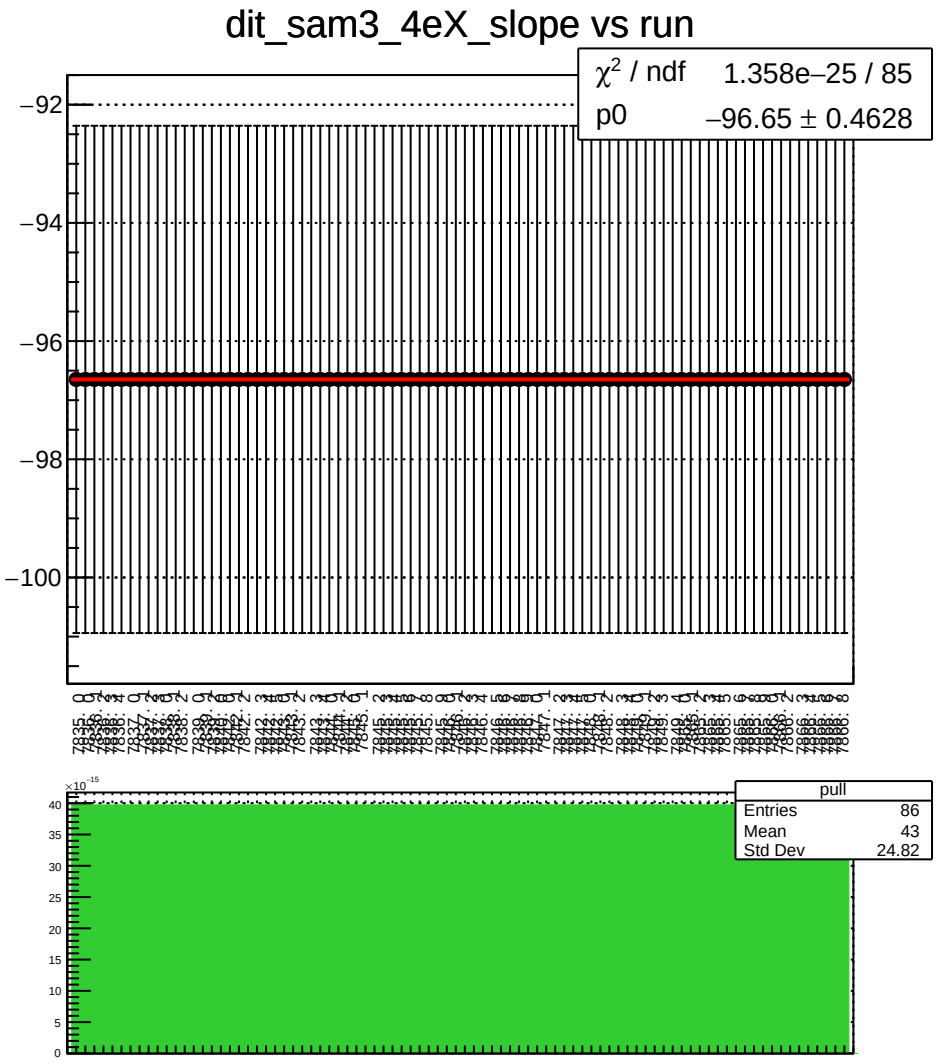


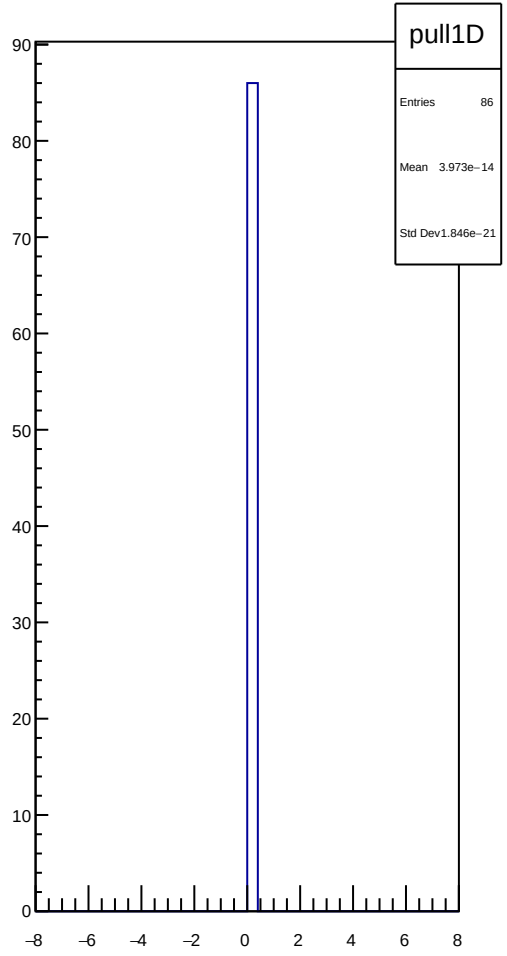

dit_sam2_4eY_slope vs run
χ^2 / ndf 2.413e−25 / 85
p0 −220.2 ± 0.4051
−216
−217
−218
−219
−220
−221
−222
−223
−224
pull
Entries 86
Mean 43
Std Dev 24.82
×10^−15
0
−10
−20
−30
−40
−50

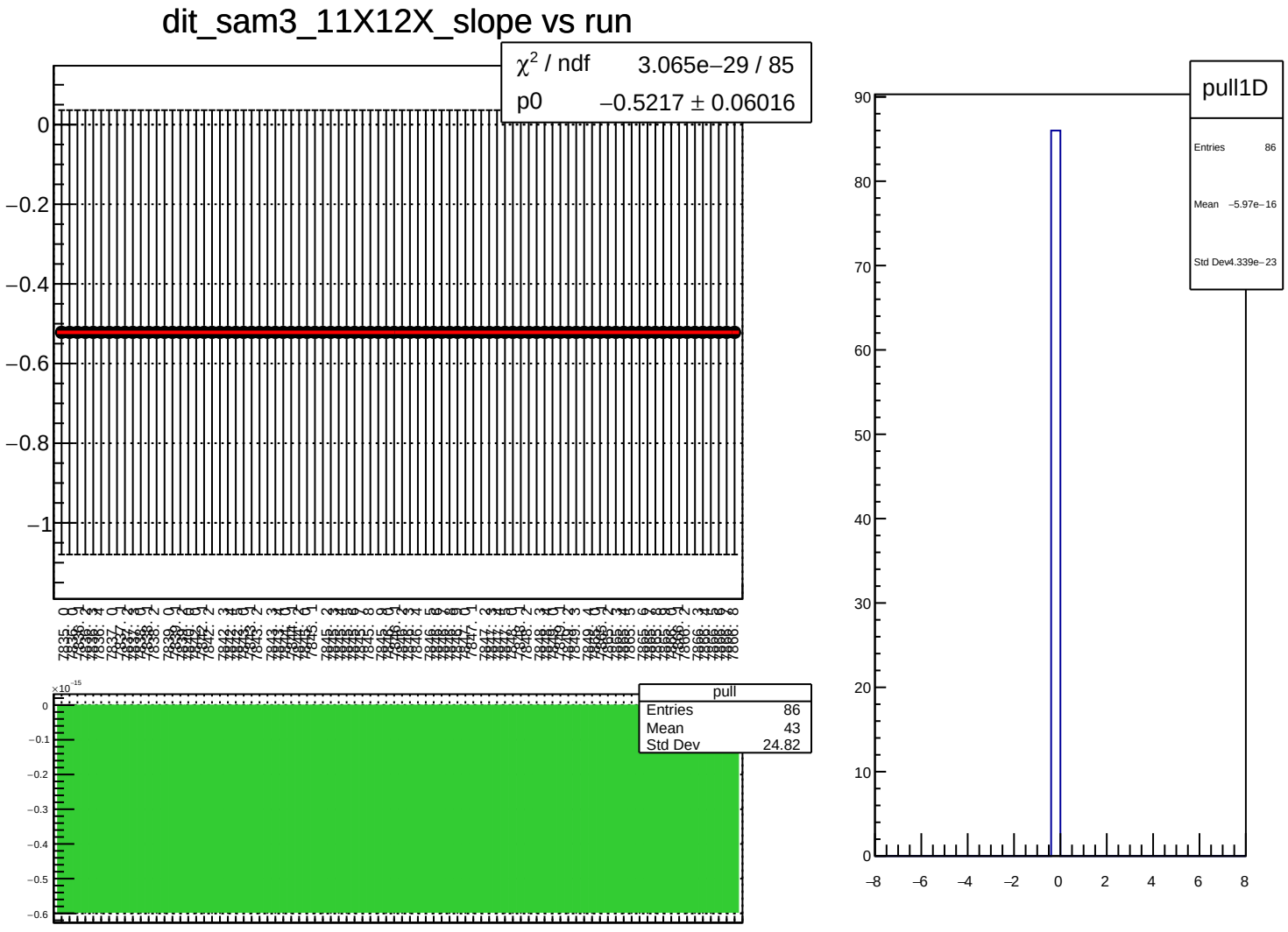

pull1D
Entries 86
Mean −5.296e−14
Std Dev3.928e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

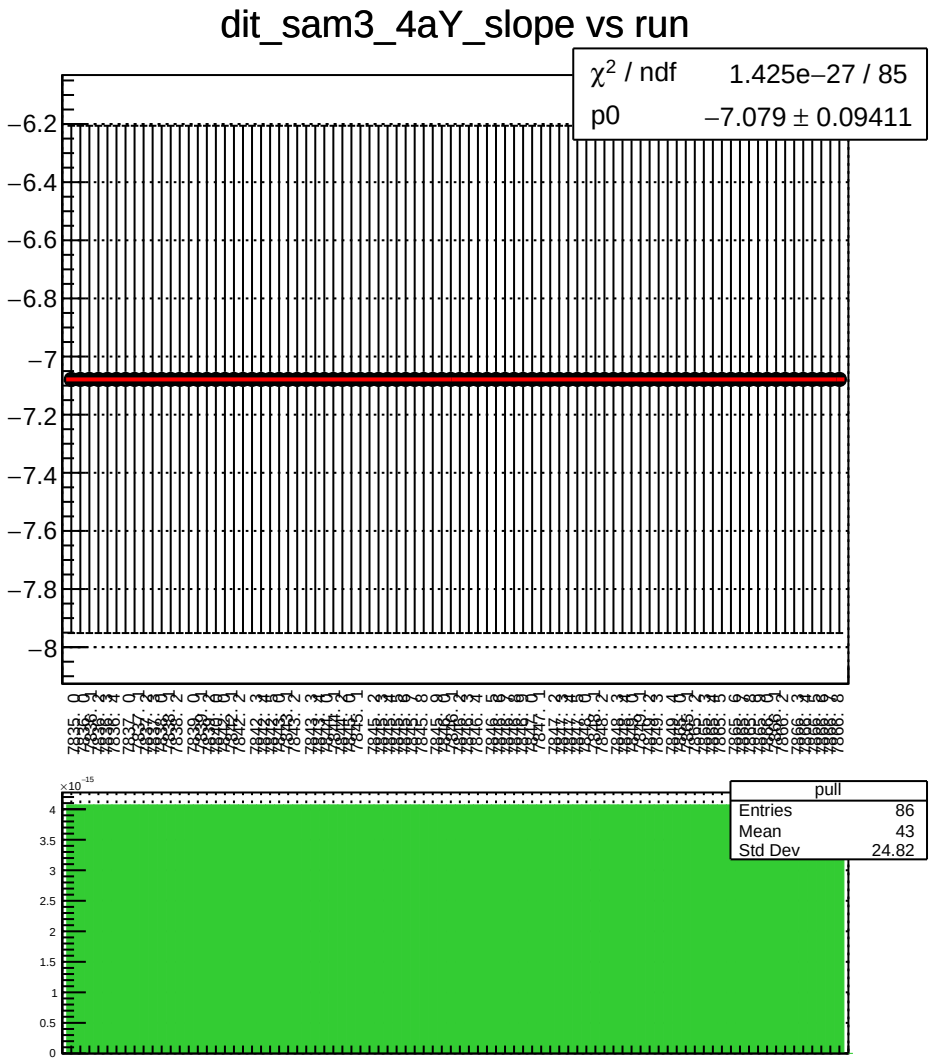

dit_sam3_4aX_slope vs run
χ^2 / ndf 7.456e−27 / 85
p0 −36.5 ± 0.4937
−32
−34
−36
−38
−40
pull
Entries 86
Mean 43
Std Dev 24.82
×10^−15
0
−2
−4
−6
−8

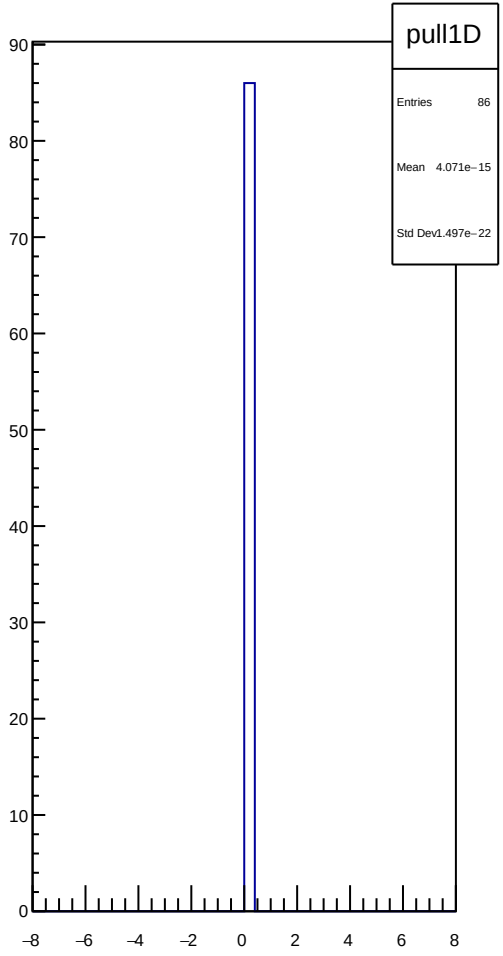

pull1D
Entries 86
Mean −9.311e−15
Std Dev4.235e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

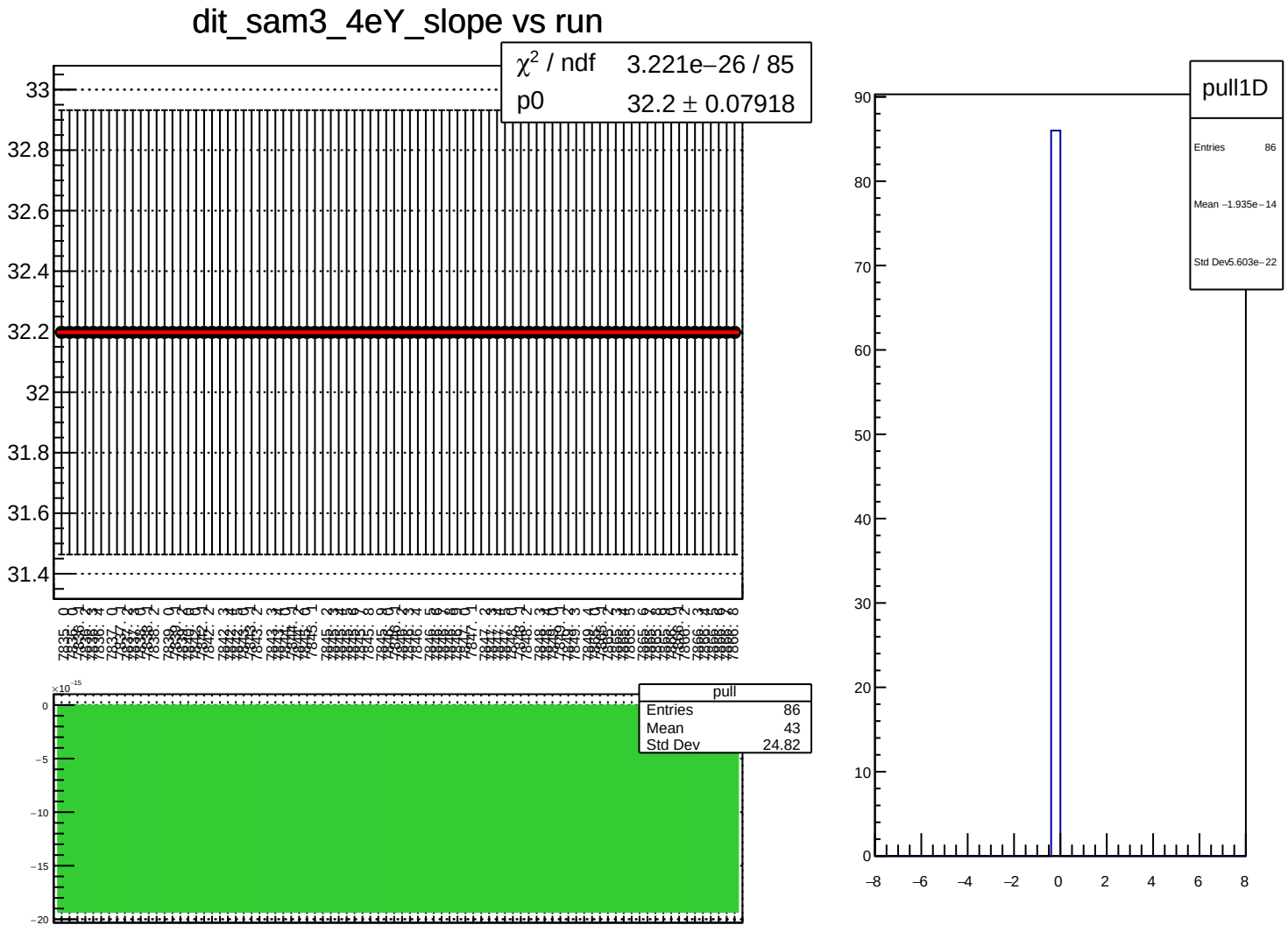

dit_sam3_4eX_slope vs run
χ^2 / ndf 1.358e−25 / 85
p0 −96.65 ± 0.4628
−92
−94
−96
−98
−100
pull
Entries 86
Mean 43
Std Dev 24.82
×10^−15
40
35
30
25
20
15
10
5
0


pull1D
Entries 86
Mean 3.973e−14
Std Dev 1.846e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

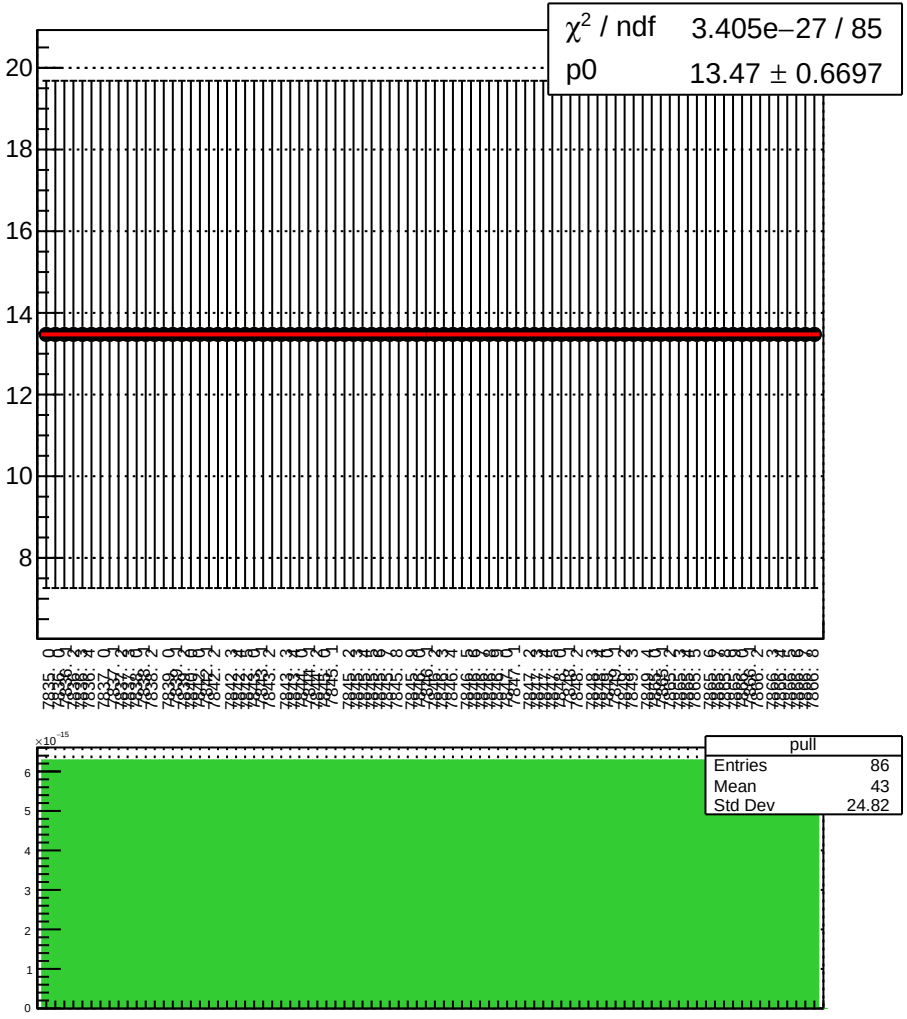

dit_sam3_11X12X_slope vs run
χ^2 / ndf 3.065e−29 / 85
p0 −0.5217 ± 0.06016
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean −5.97e−16
Std Dev 4.339e−23

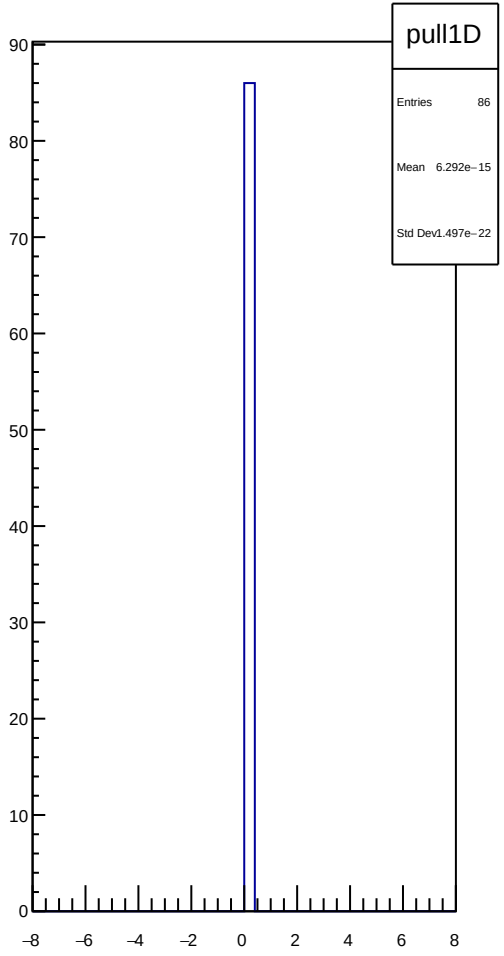

dit_sam3_4aY_slope vs run
χ2 / ndf 1.425e−27 / 85
p0 −7.079 ± 0.09411
pull
Entries 86
Mean 43
Std Dev 24.82

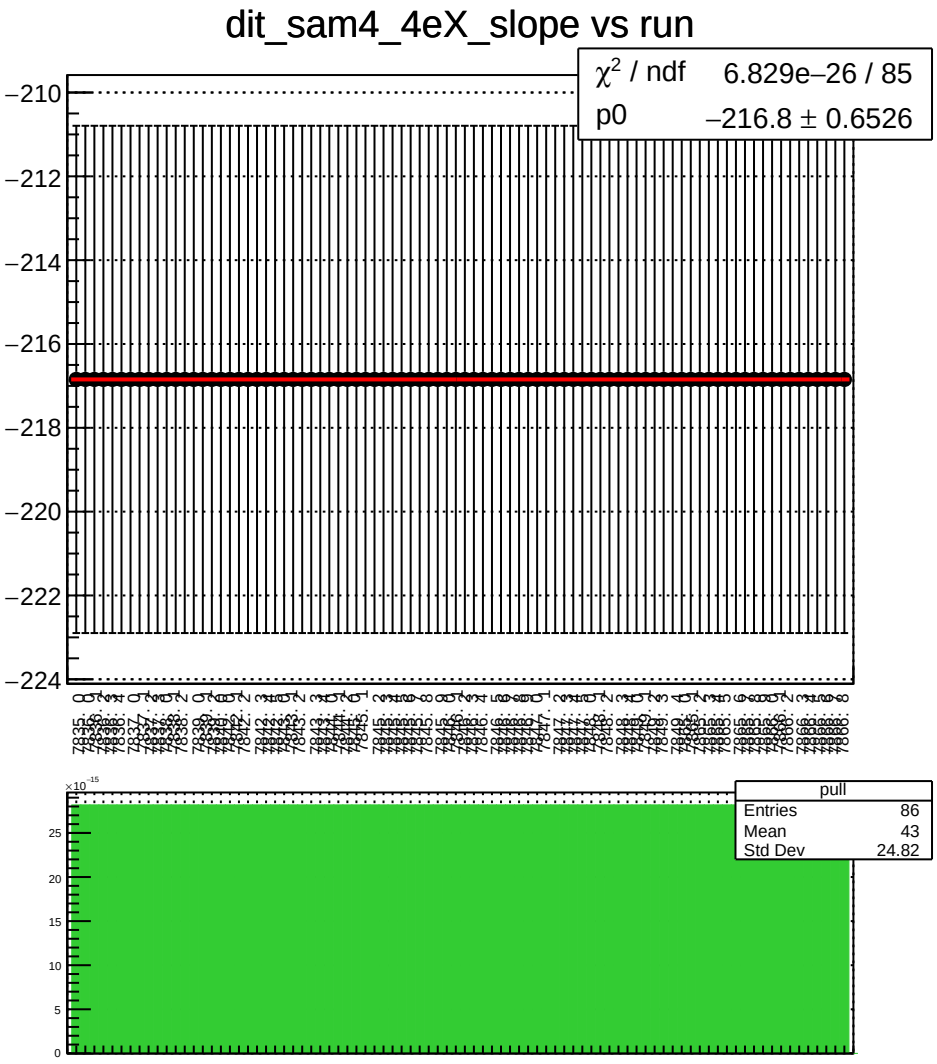

pull1D
Entries 86
Mean 4.071e−15
Std Dev 1.497e−22

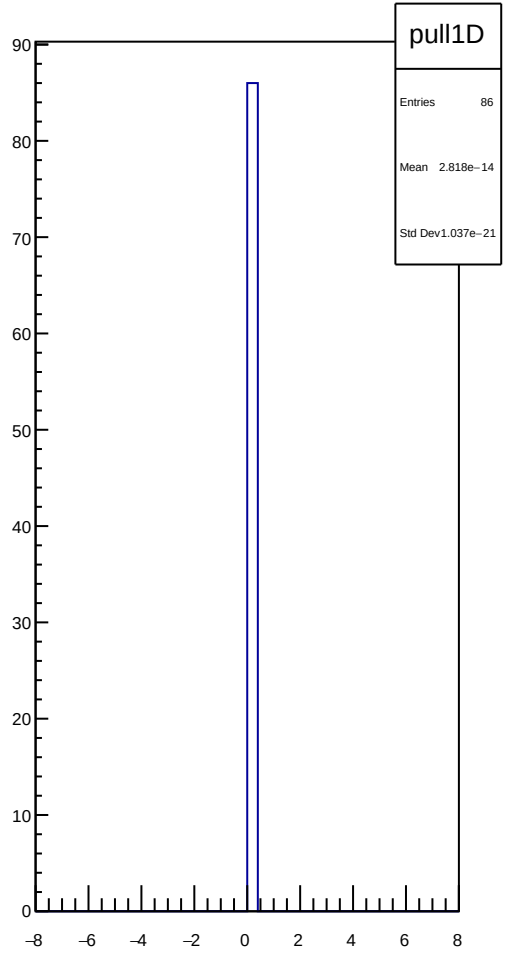

dit_sam3_4eY_slope vs run
χ^2 / ndf 3.221e−26 / 85
p0 32.2 ± 0.07918
33
32.8
32.6
32.4
32.2
32
31.8
31.6
31.4
pull
Entries 86
Mean 43
Std Dev 24.82
×10^−15
0
−5
−10
−15
−20
pull1D
Entries 86
Mean −1.935e−14
Std Dev 5.603e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam4_4aX_slope vs run

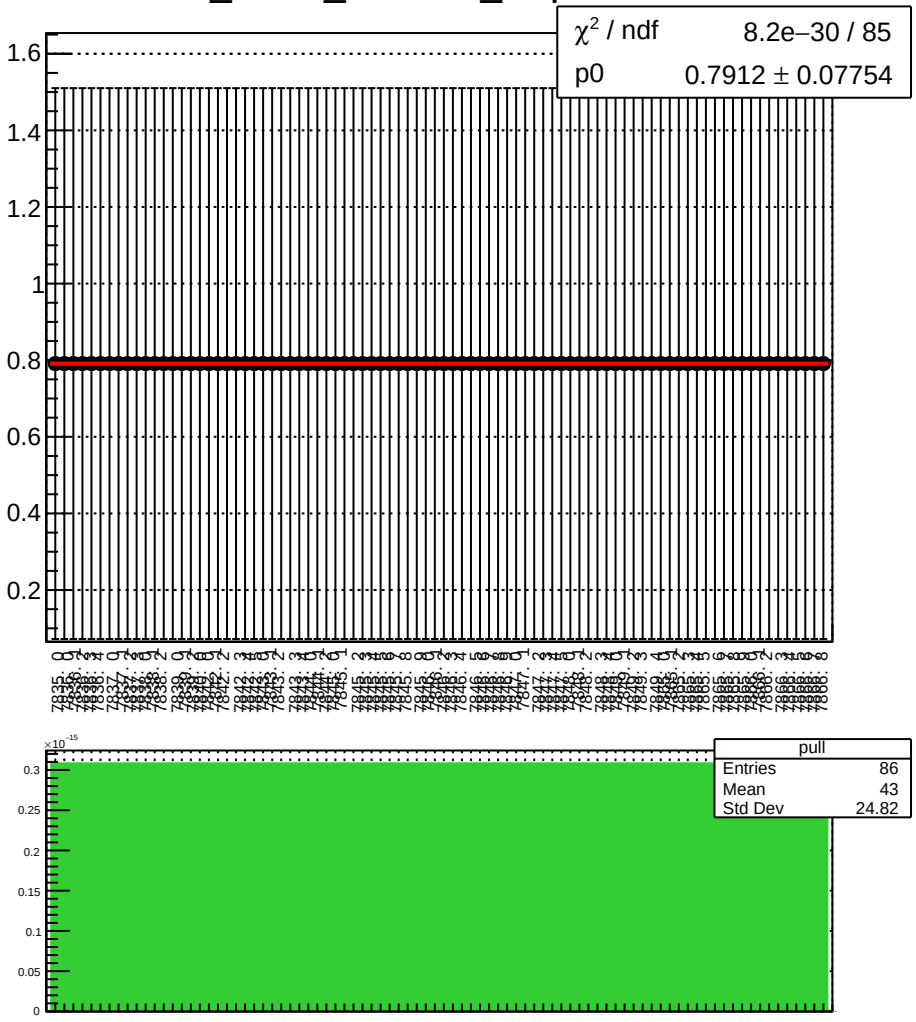


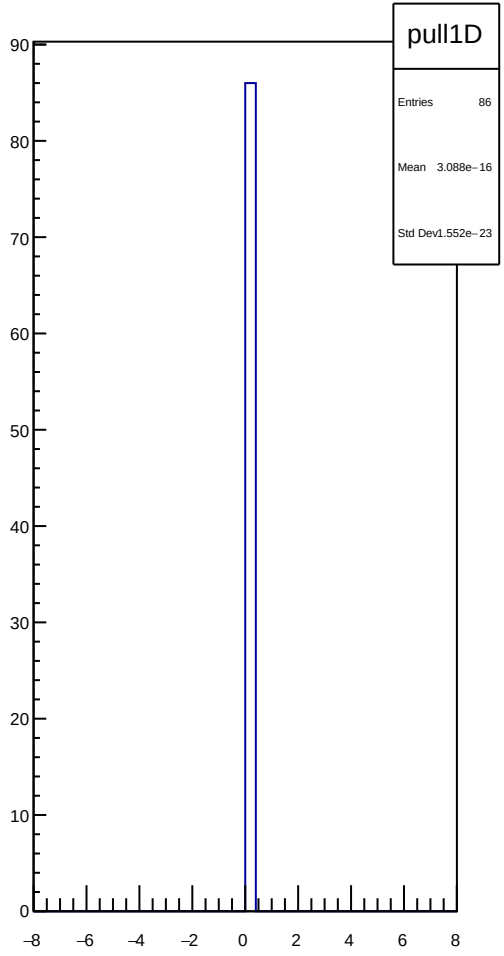


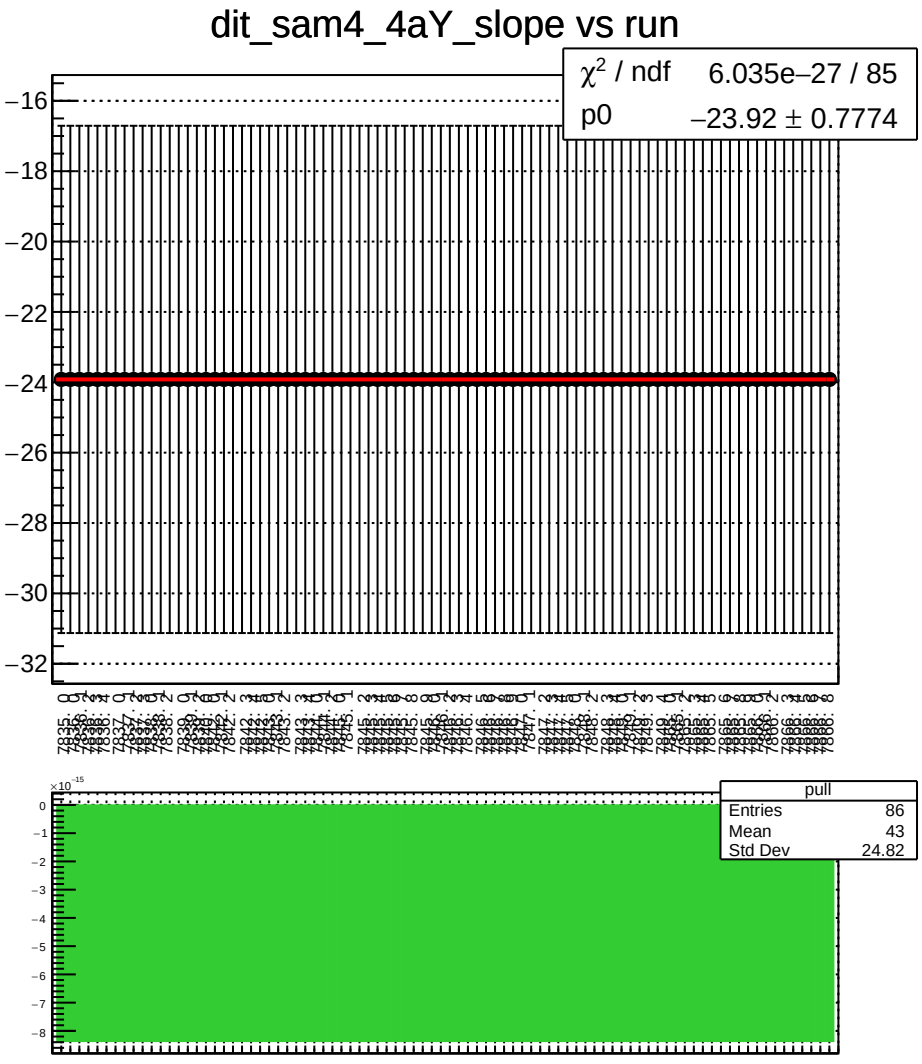

dit_sam4_4eX_slope vs run
χ^2 / ndf 6.829e−26 / 85
p0 −216.8 ± 0.6526
−210
−212
−214
−216
−218
−220
−222
−224
pull
Entries 86
Mean 43
Std Dev 24.82
×10^−15
25
20
15
10
5
0

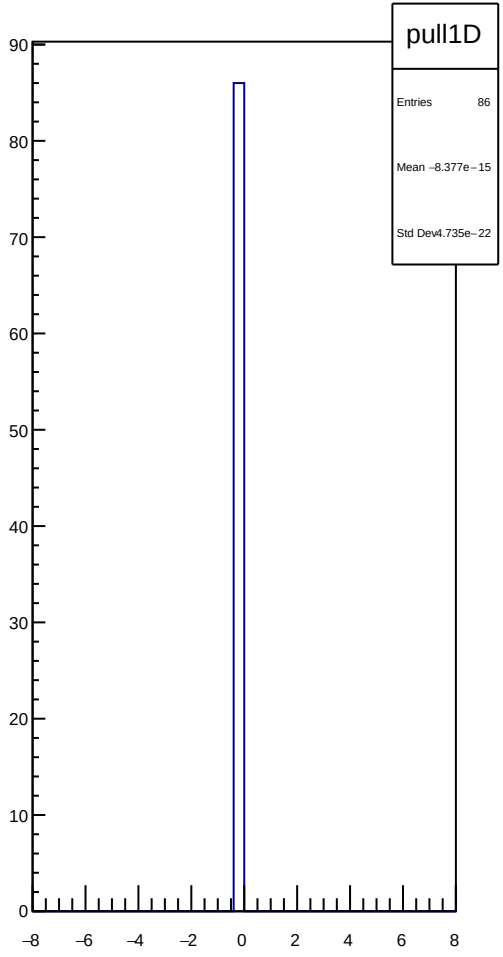

pull1D
Entries 86
Mean 2.818e−14
Std Dev 1.037e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam4_11X12X_slope vs run

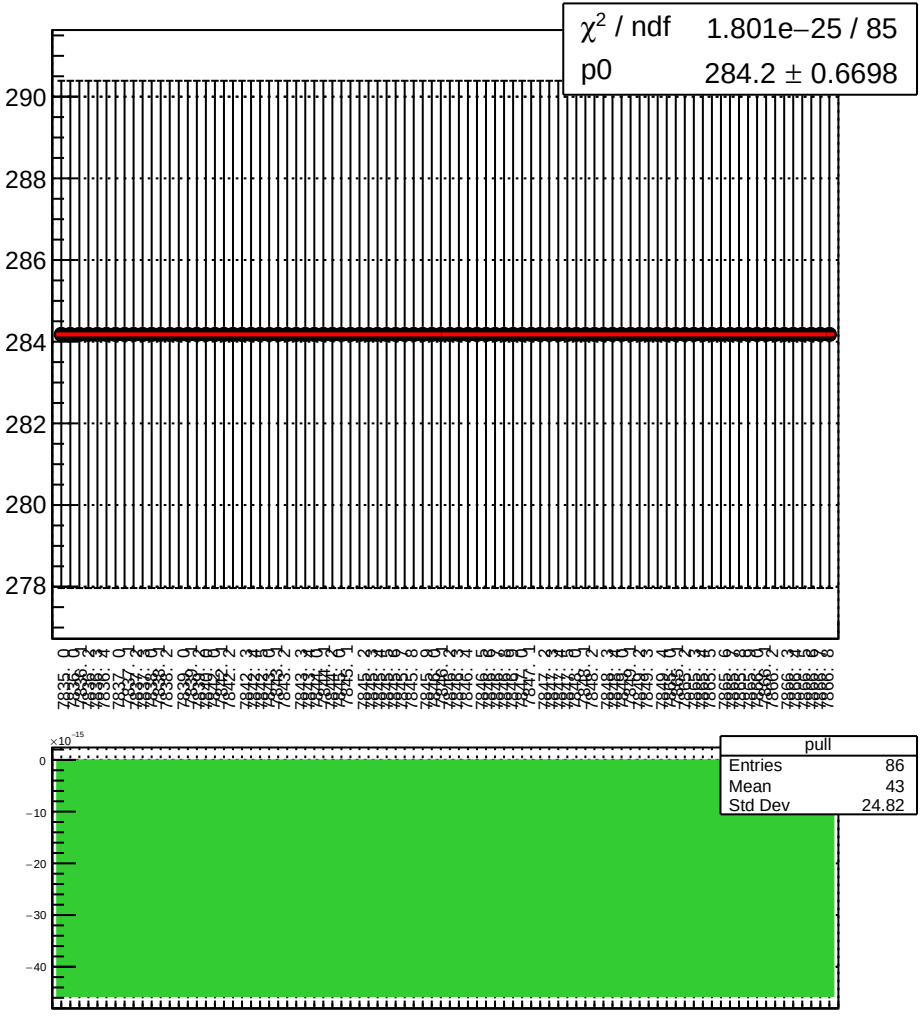


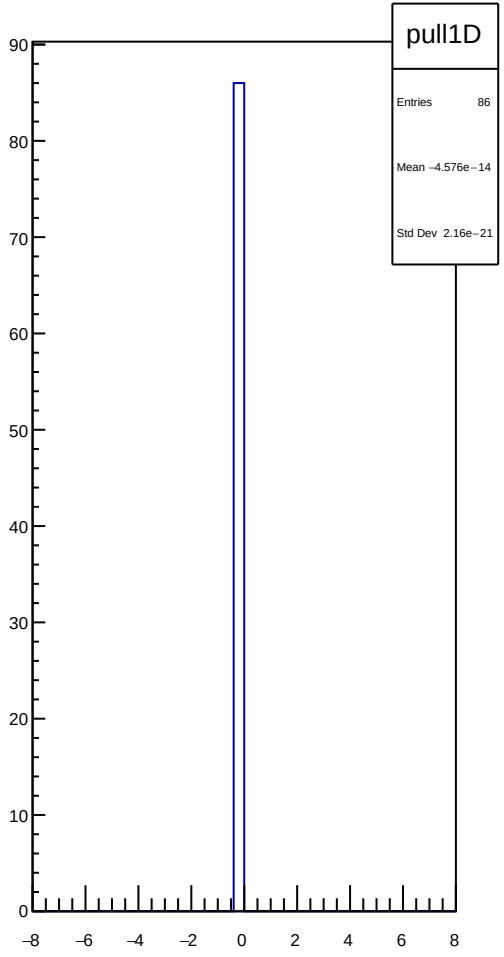



dit_sam4_4aY_slope vs run
χ^2 / ndf 6.035e−27 / 85
p0 −23.92 ± 0.7774
−16
−18
−20
−22
−24
−26
−28
−30
−32
pull
Entries 86
Mean 43
Std Dev 24.82
×10^−15
0
−1
−2
−3
−4
−5
−6
−7
−8

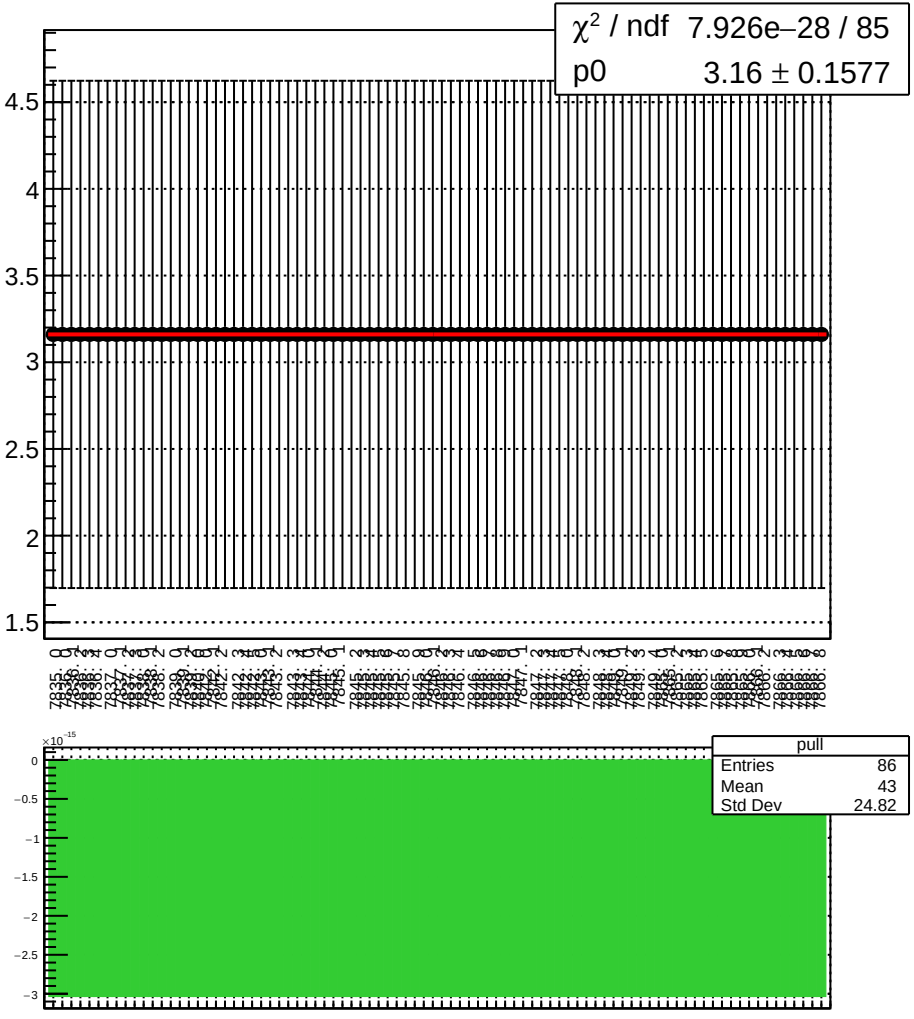

pull1D
Entries 86
Mean −8.377e−15
Std Dev4.735e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

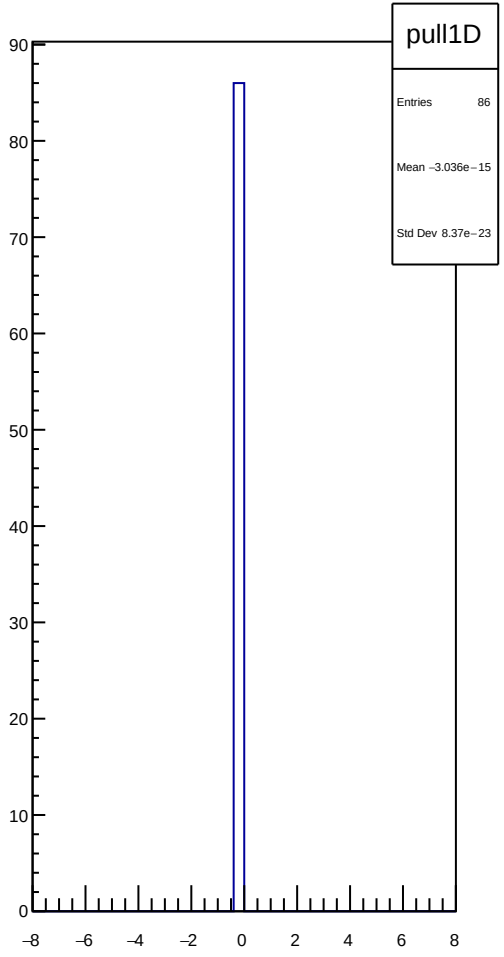
dit_sam4_4eY_slope vs run

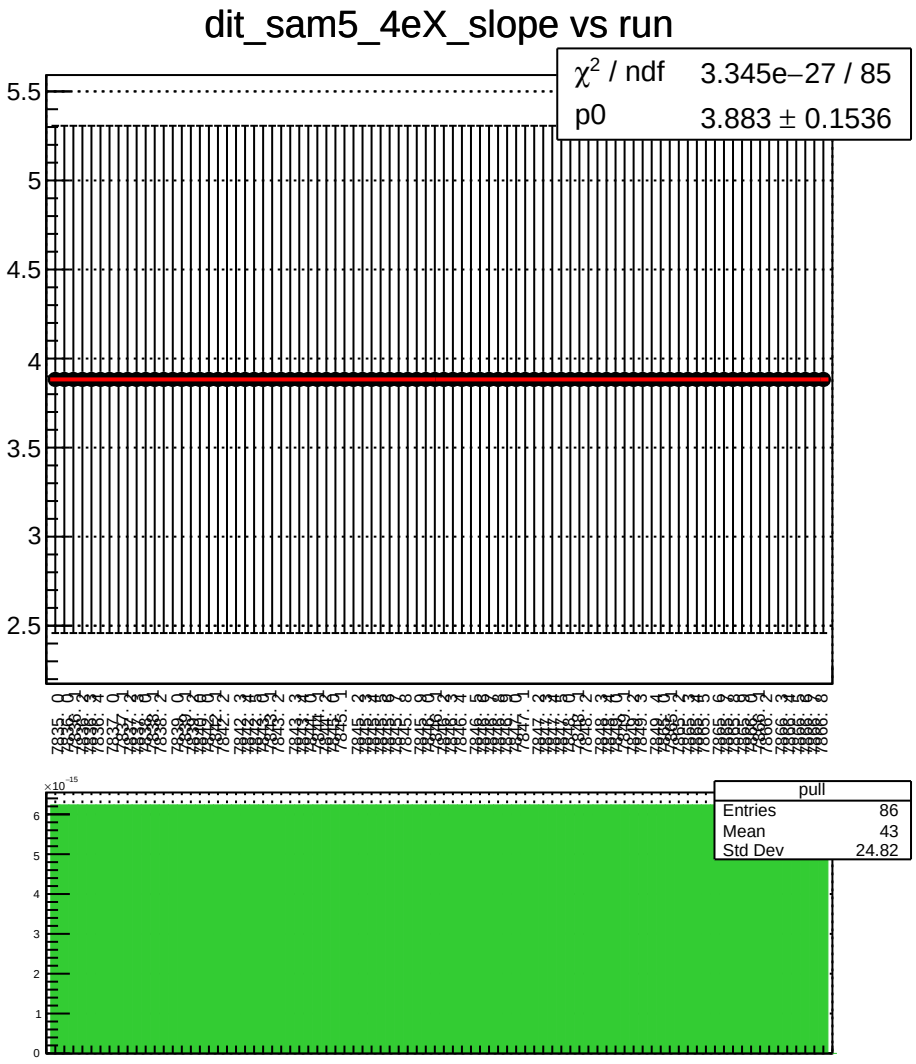


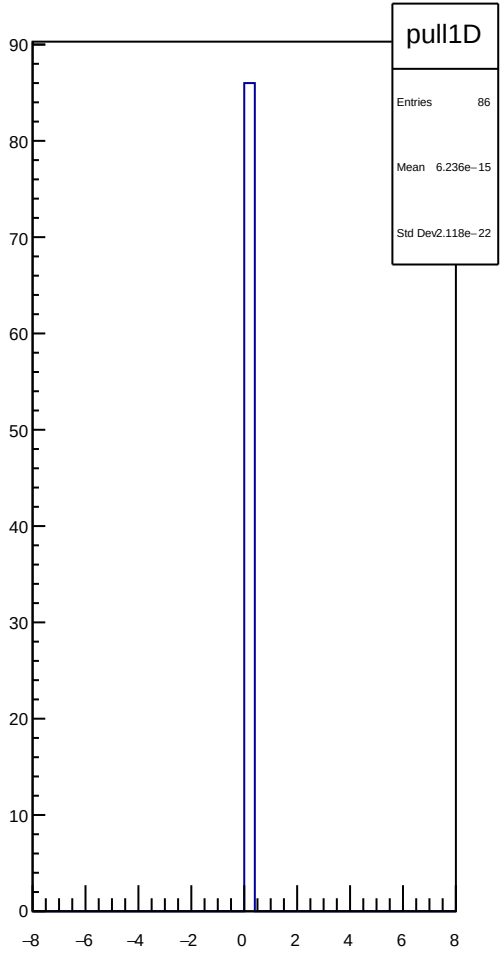


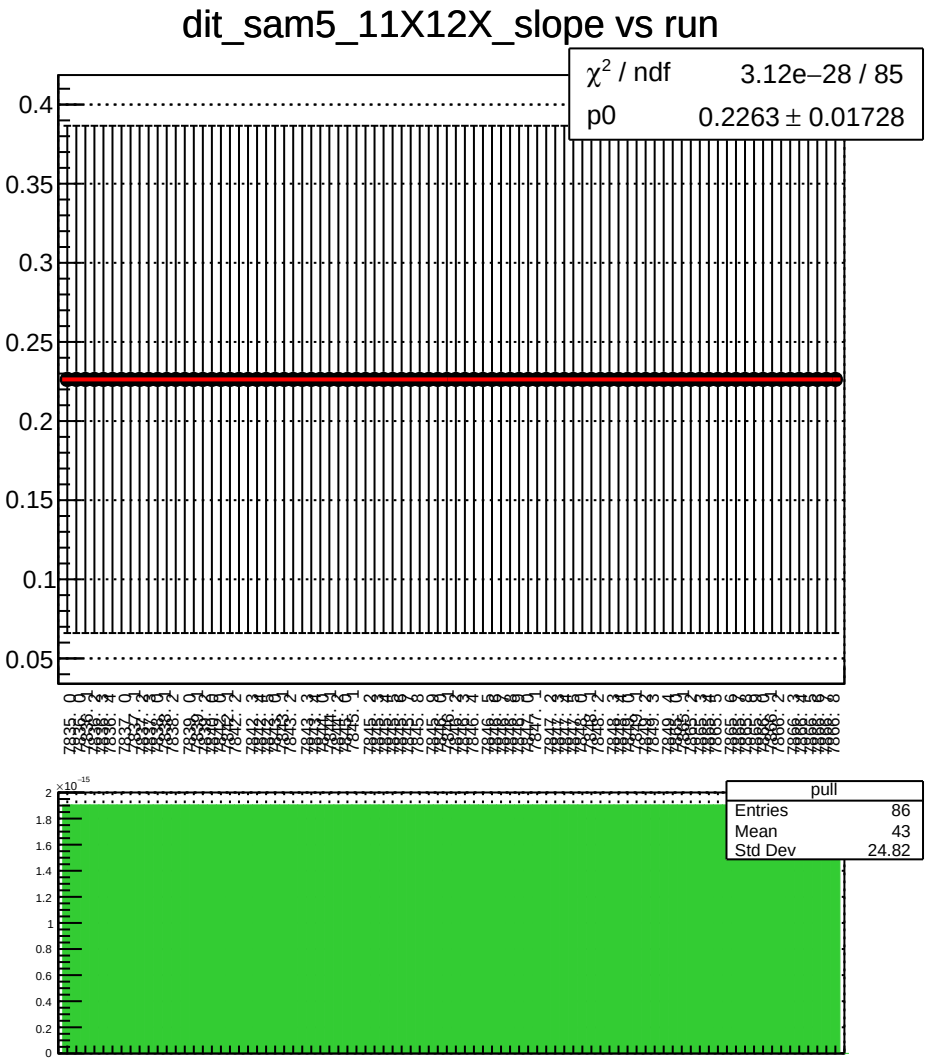
dit_sam5_4aX_slope vs run

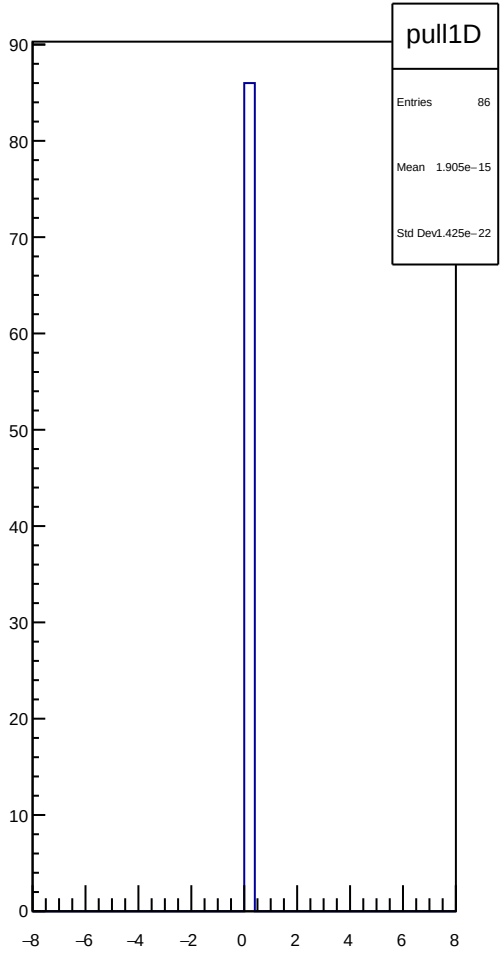


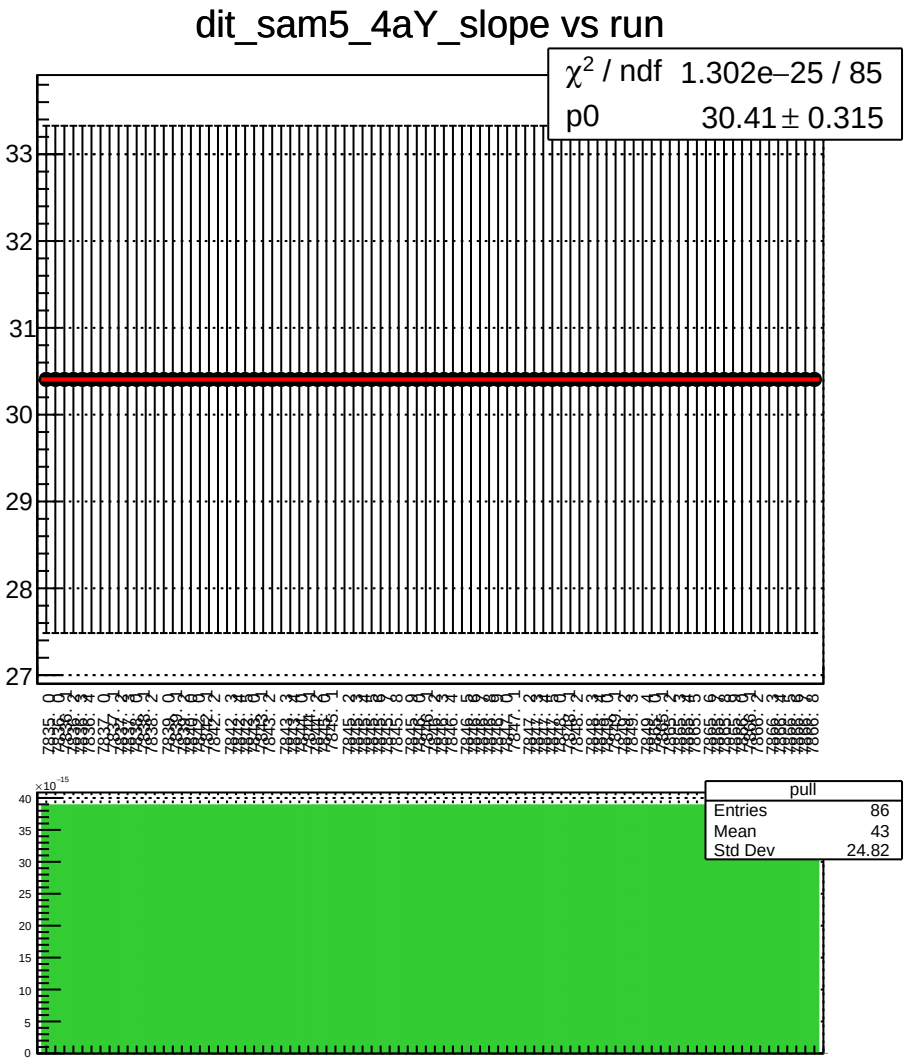


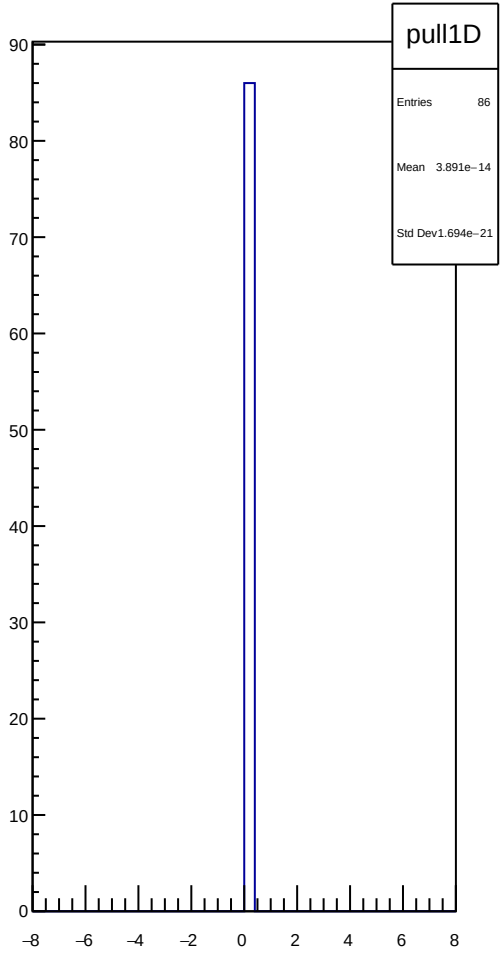

dit_sam5_4eX_slope vs run
χ^2 / ndf 3.345e−27 / 85
p0 3.883 ± 0.1536
pull
Entries 86
Mean 43
Std Dev 24.82

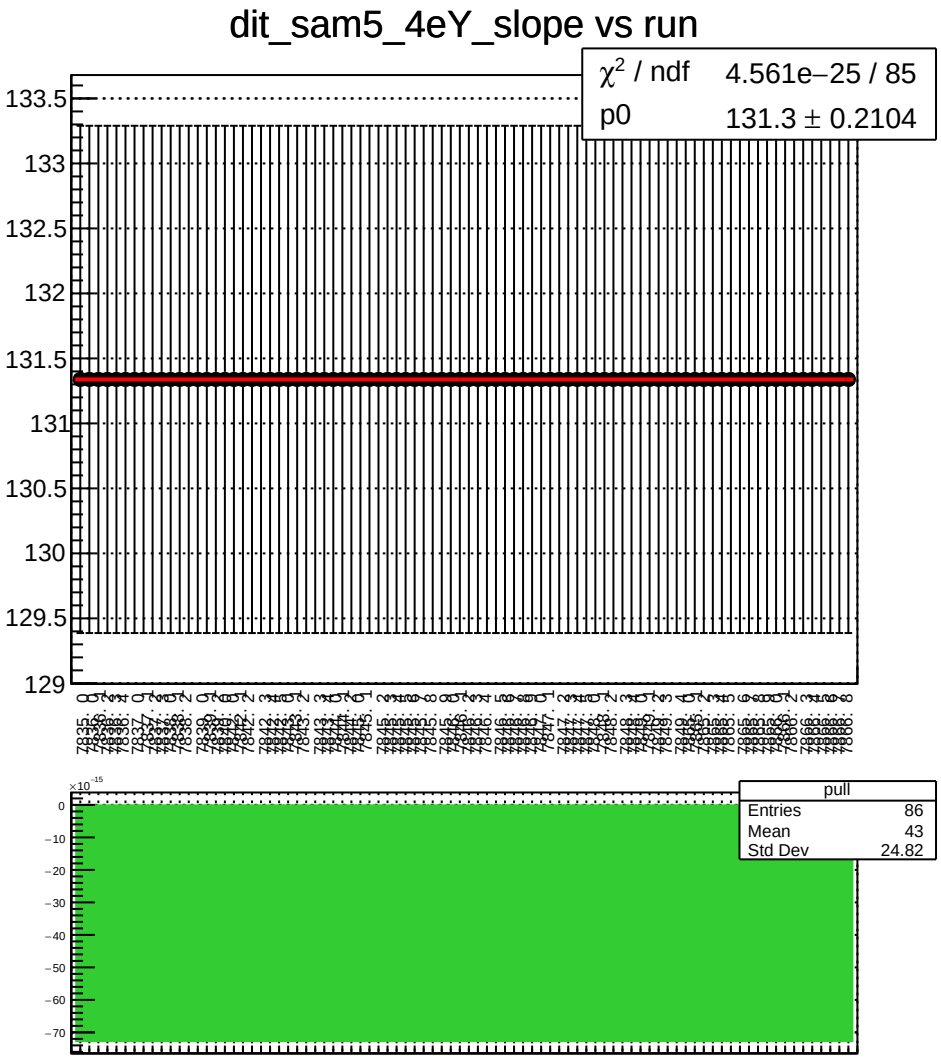

pull1D
Entries 86
Mean 6.236e−15
Std Dev 2.118e−22

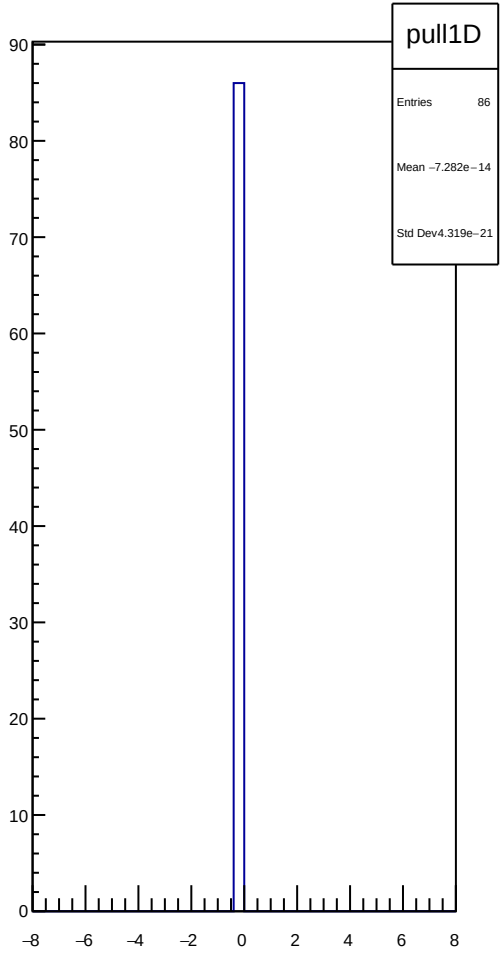

dit_sam5_11X12X_slope vs run
χ^2 / ndf 3.12e−28 / 85
p0 0.2263 ± 0.01728
pull
Entries 86
Mean 43
Std Dev 24.82

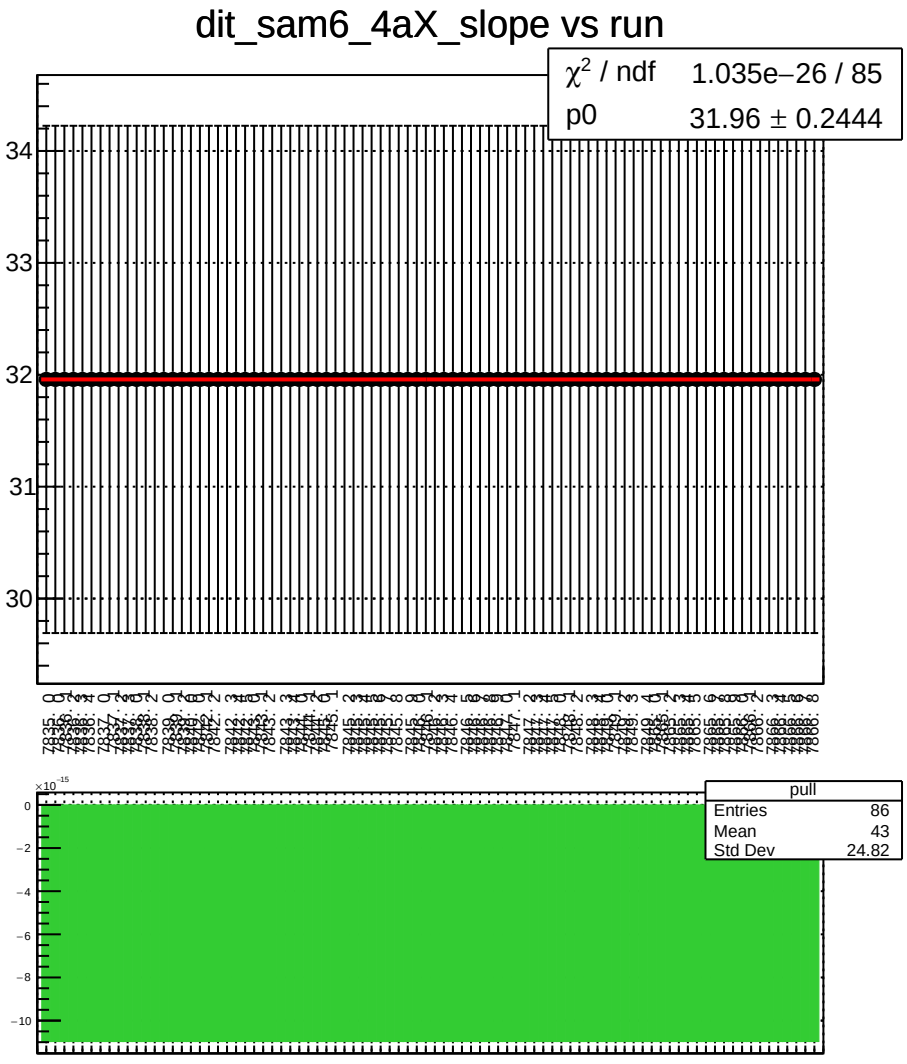

pull1D
Entries 86
Mean 1.905e−15
Std Dev 1.425e−22

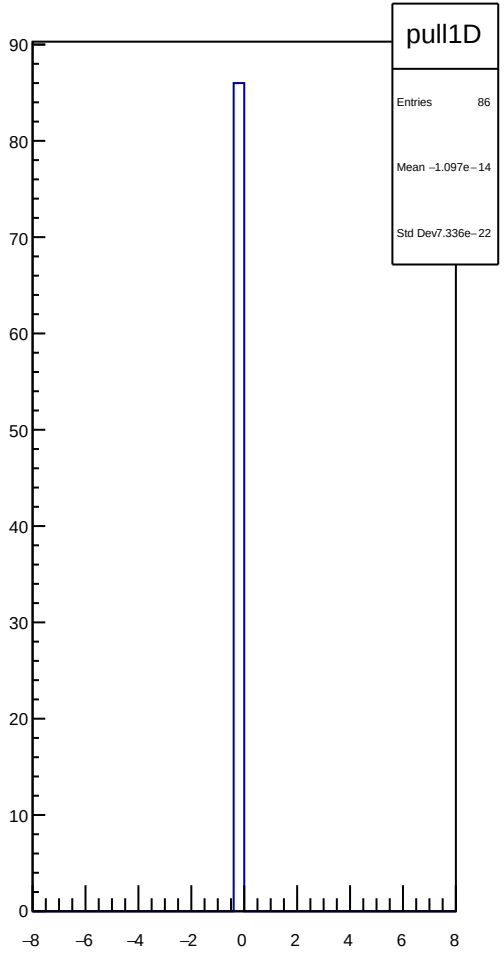

dit_sam5_4aY_slope vs run
χ^2 / ndf 1.302e−25 / 85
p0 30.41 ± 0.315
pull
Entries 86
Mean 43
Std Dev 24.82


pull1D
Entries 86
Mean 3.891e−14
Std Dev 1.694e−21

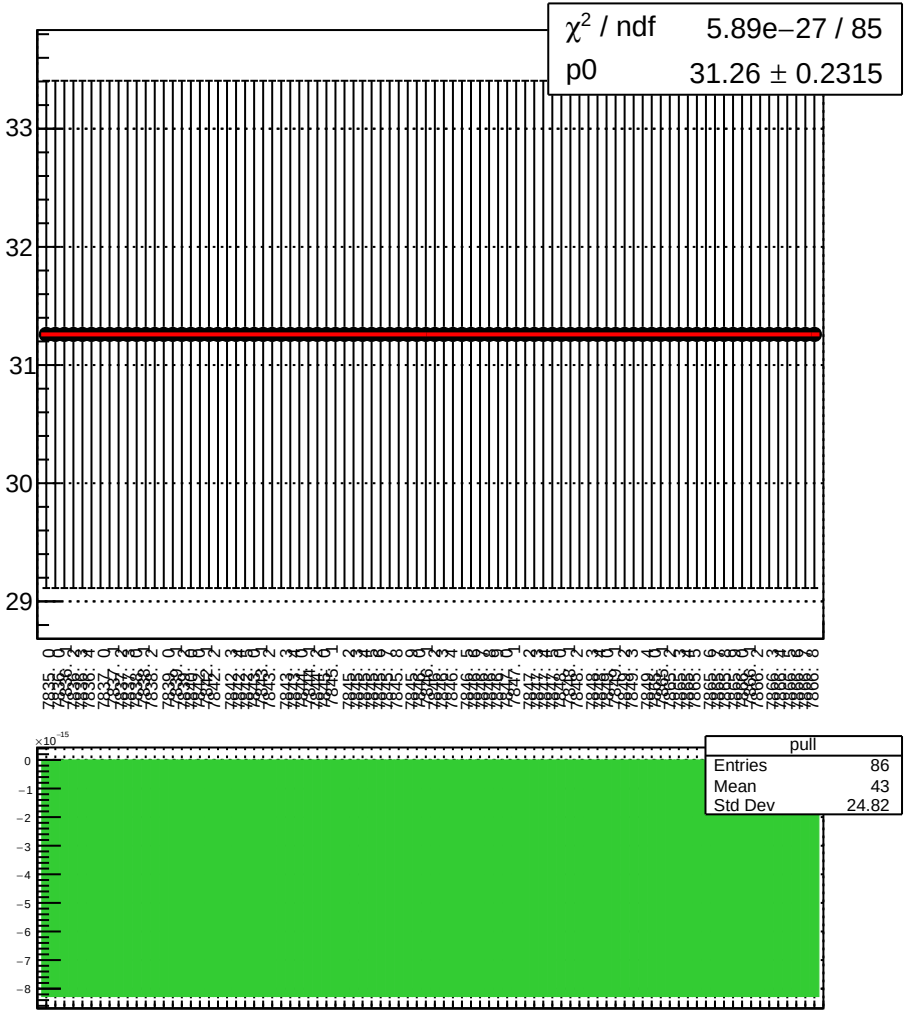

dit_sam5_4eY_slope vs run
χ^2 / ndf 4.561e−25 / 85
p0 131.3 ± 0.2104
133.5
133
132.5
132
131.5
131
130.5
130
129.5
129
×10^-15
0
−10
−20
−30
−40
−50
−60
−70
pull
Entries 86
Mean 43
Std Dev 24.82

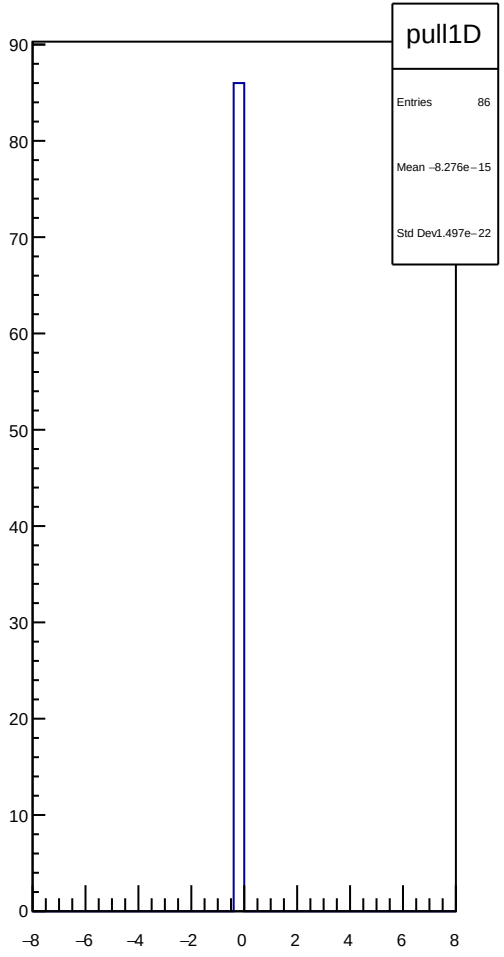

pull1D
Entries 86
Mean −7.282e−14
Std Dev4.319e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam6_4aX_slope vs run
χ^2 / ndf 1.035e−26 / 85
p0 31.96 ± 0.2444
34
33
32
31
30
pull
Entries 86
Mean 43
Std Dev 24.82
×10^−15
0
−2
−4
−6
−8
−10

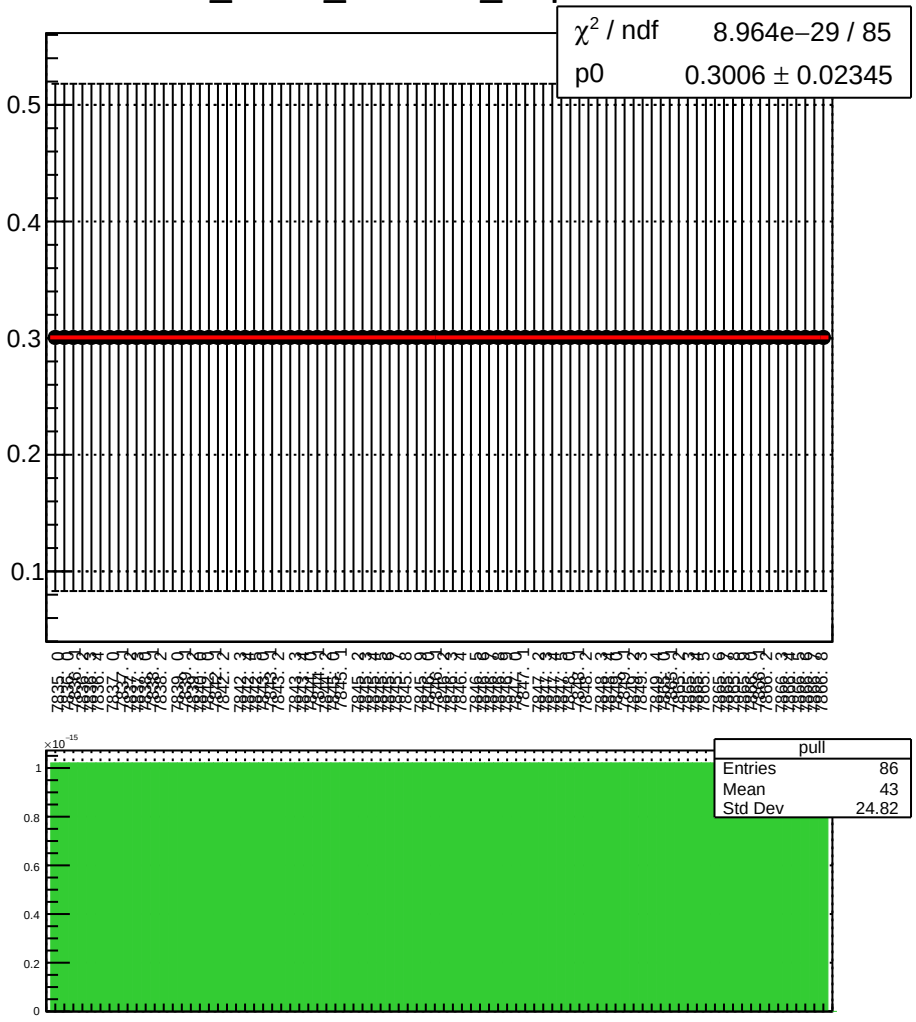

pull1D
Entries 86
Mean −1.097e−14
Std Dev7.336e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

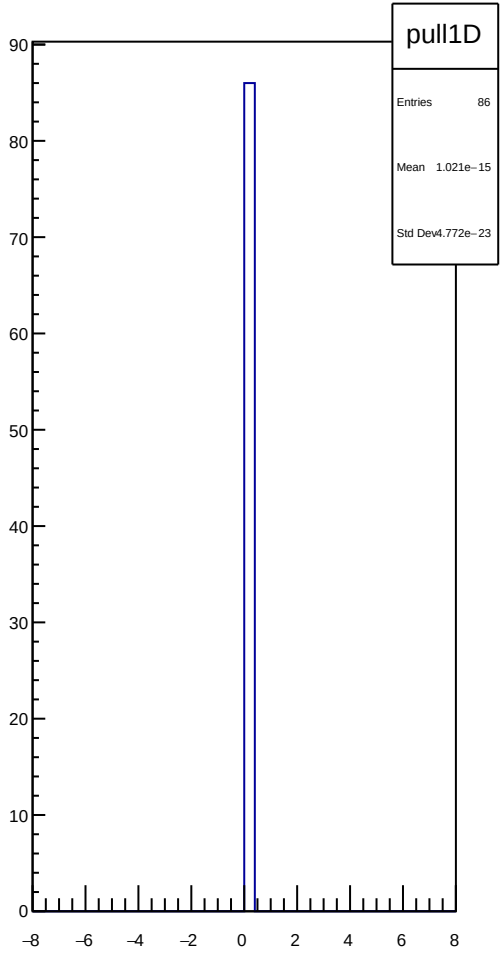
dit_sam6_4eX_slope vs run

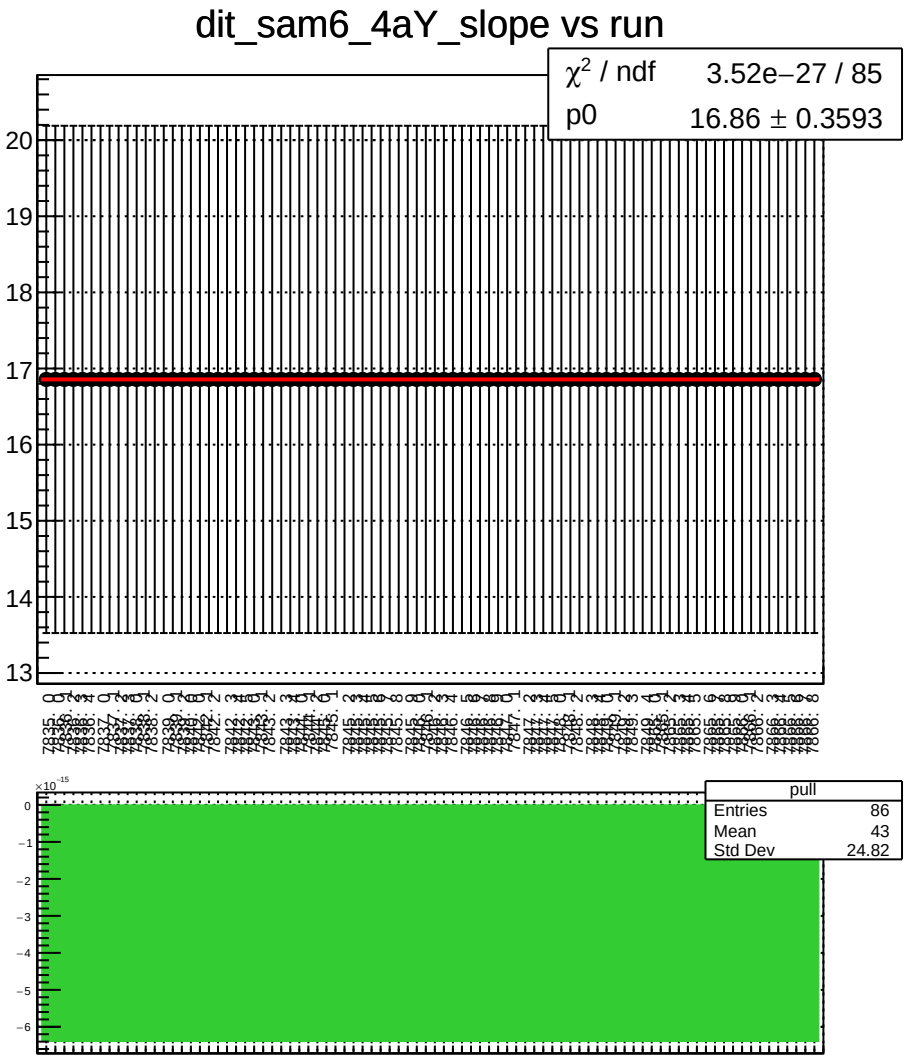


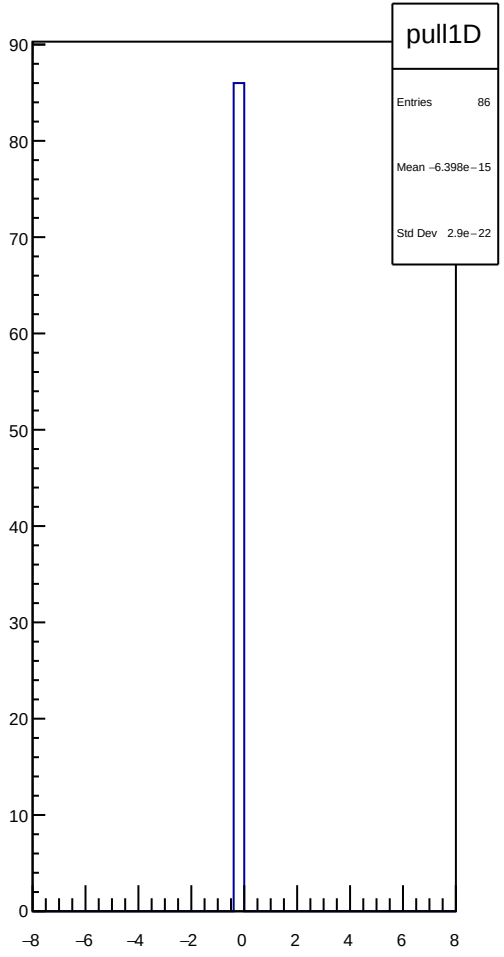


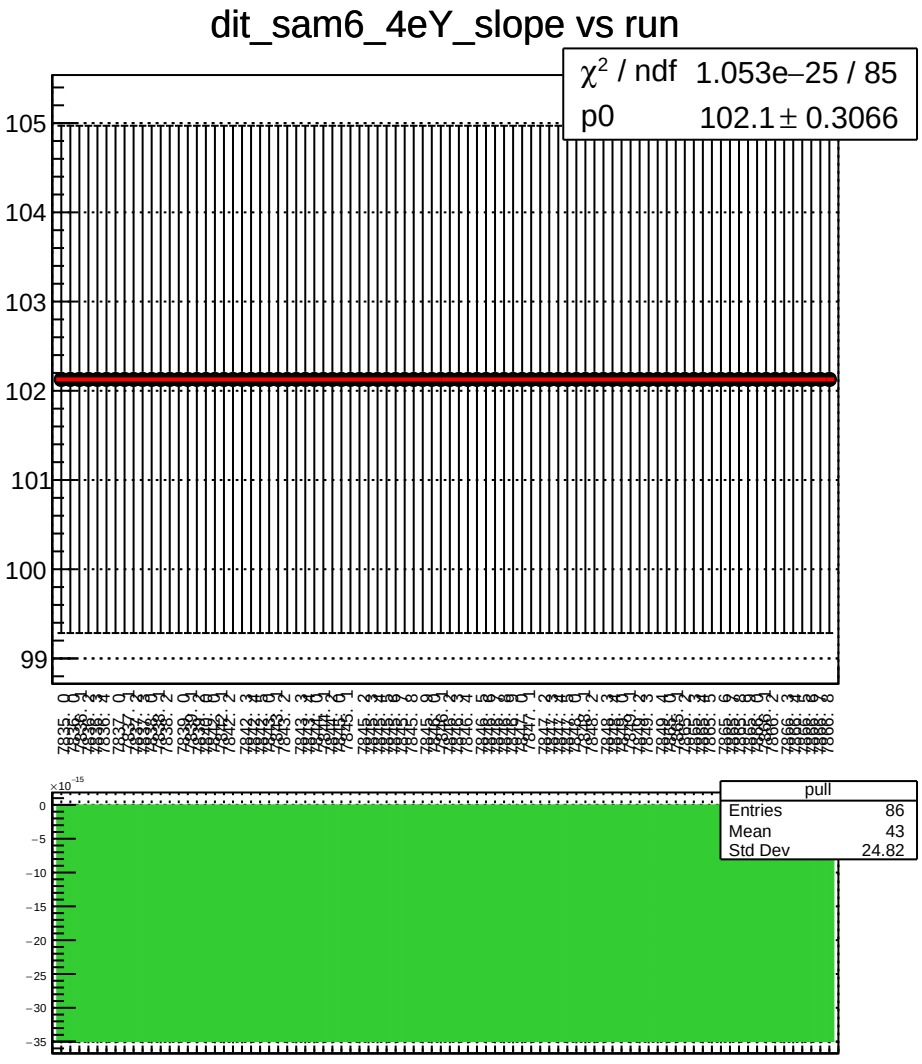
dit_sam6_11X12X_slope vs run

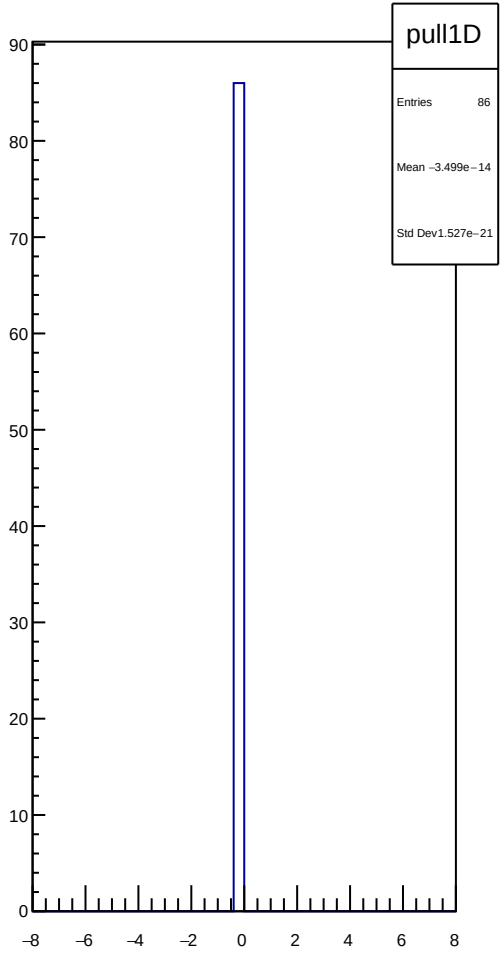


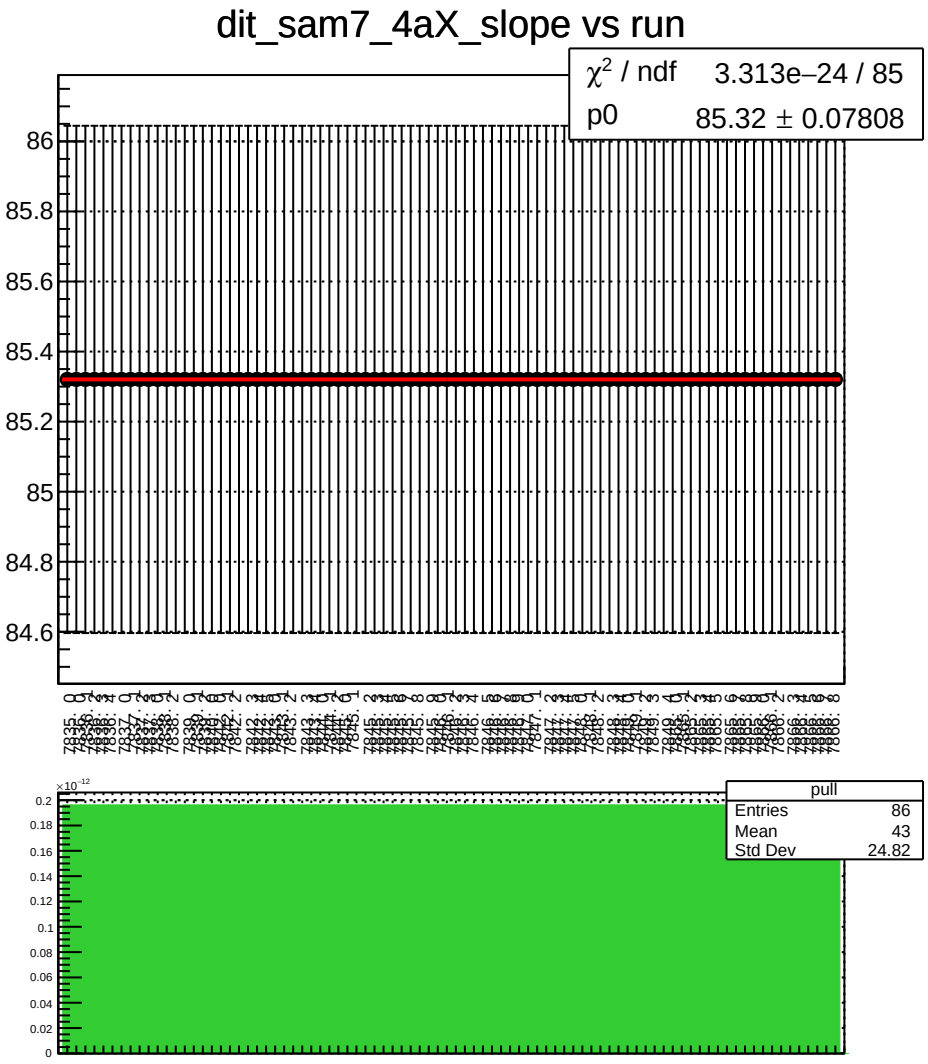


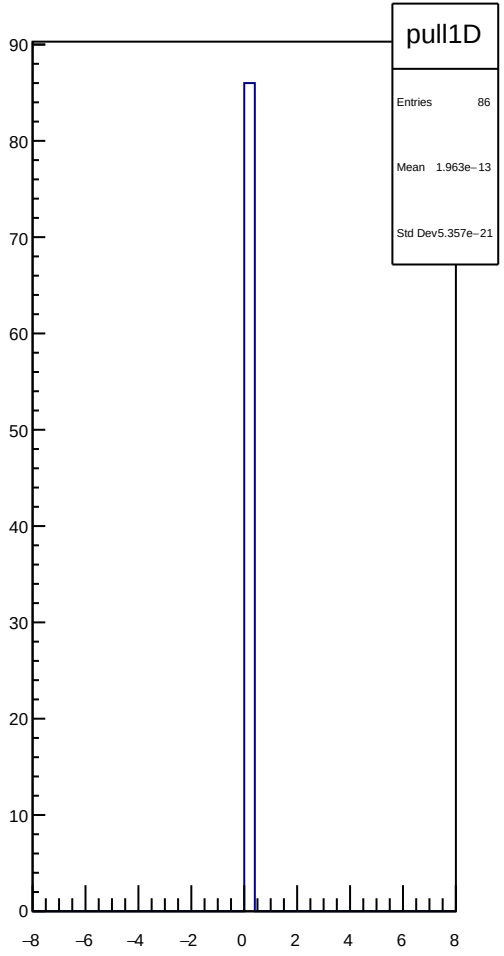

dit_sam6_4aY_slope vs run
χ^2 / ndf 3.52e−27 / 85
p0 16.86 ± 0.3593
pull
Entries 86
Mean 43
Std Dev 24.82

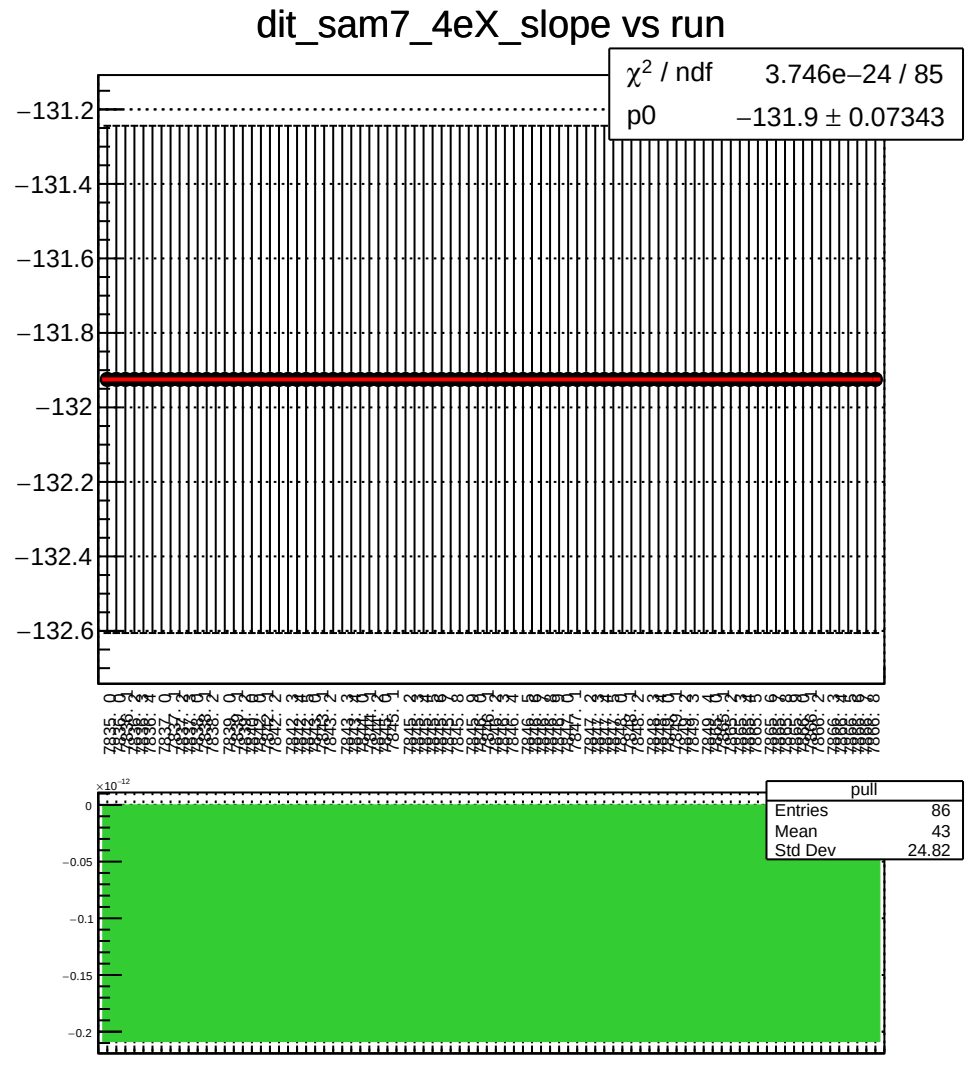

pull1D
Entries 86
Mean −6.398e−15
Std Dev 2.9e−22

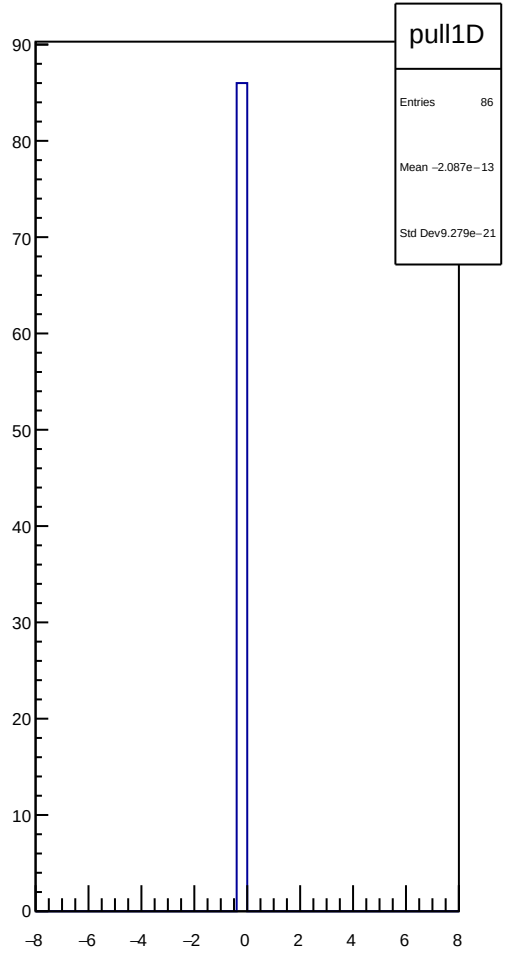

dit_sam6_4eY_slope vs run
χ^2 / ndf 1.053e−25 / 85
p0 102.1 ± 0.3066
105
104
103
102
101
100
99
pull
Entries 86
Mean 43
Std Dev 24.82
×10^−15
0
−5
−10
−15
−20
−25
−30
−35


pull1D
Entries 86
Mean −3.499e−14
Std Dev 1.527e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

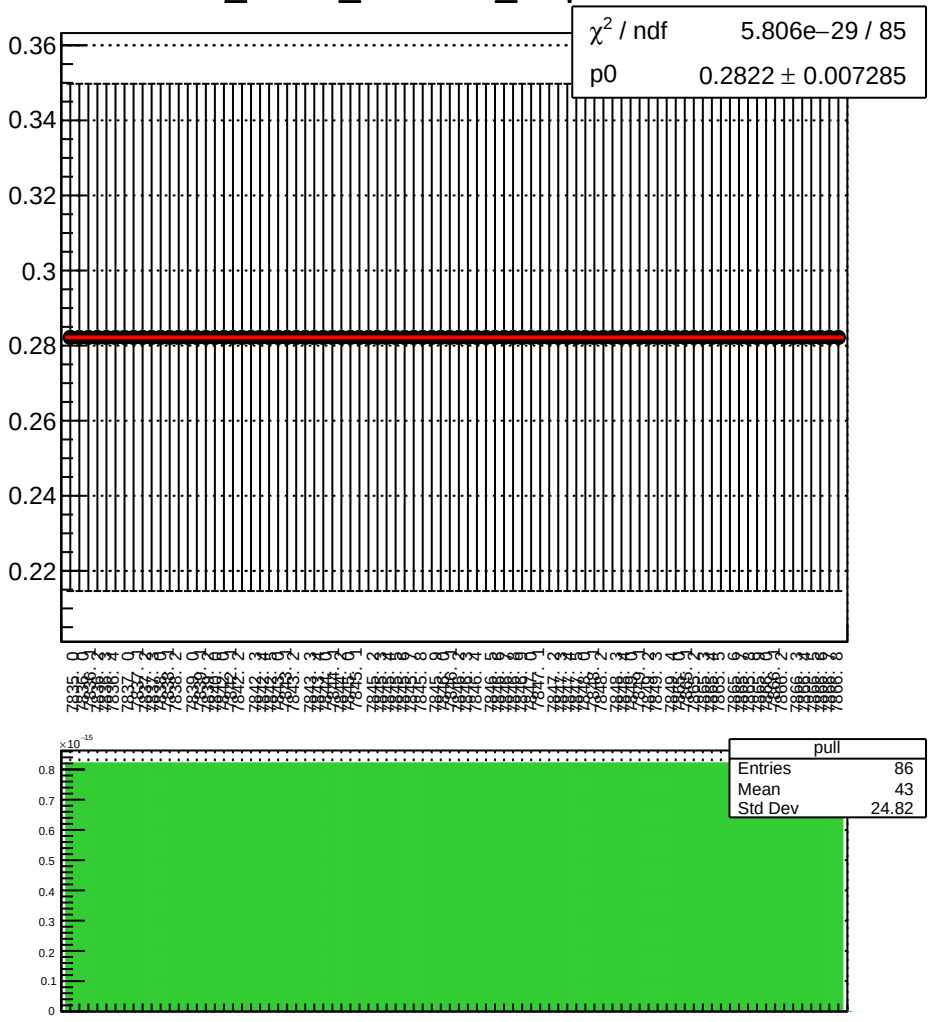

dit_sam7_4aX_slope vs run
χ^2 / ndf 3.313e−24 / 85
p0 85.32 ± 0.07808
86
85.8
85.6
85.4
85.2
85
84.8
84.6
pull
Entries 86
Mean 43
Std Dev 24.82
$\times 10^{-12}$
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

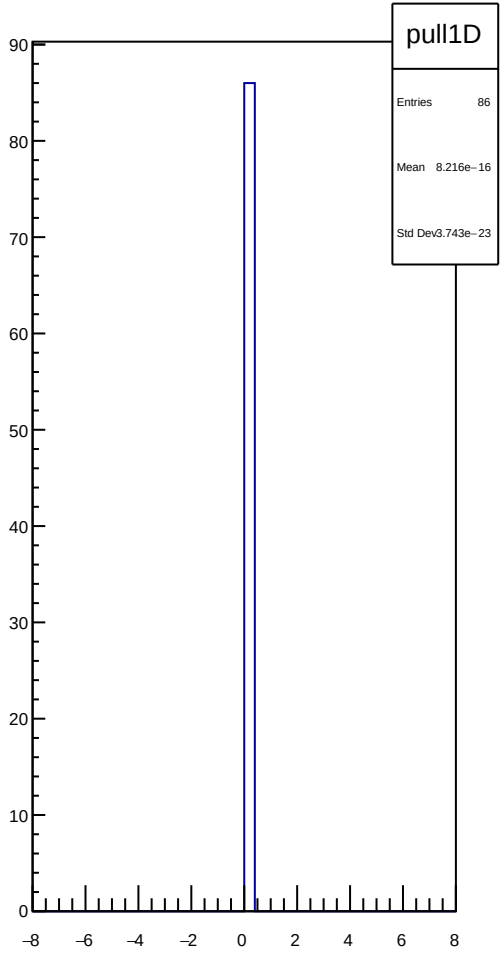

pull1D
Entries 86
Mean 1.963e−13
Std Dev 5.357e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

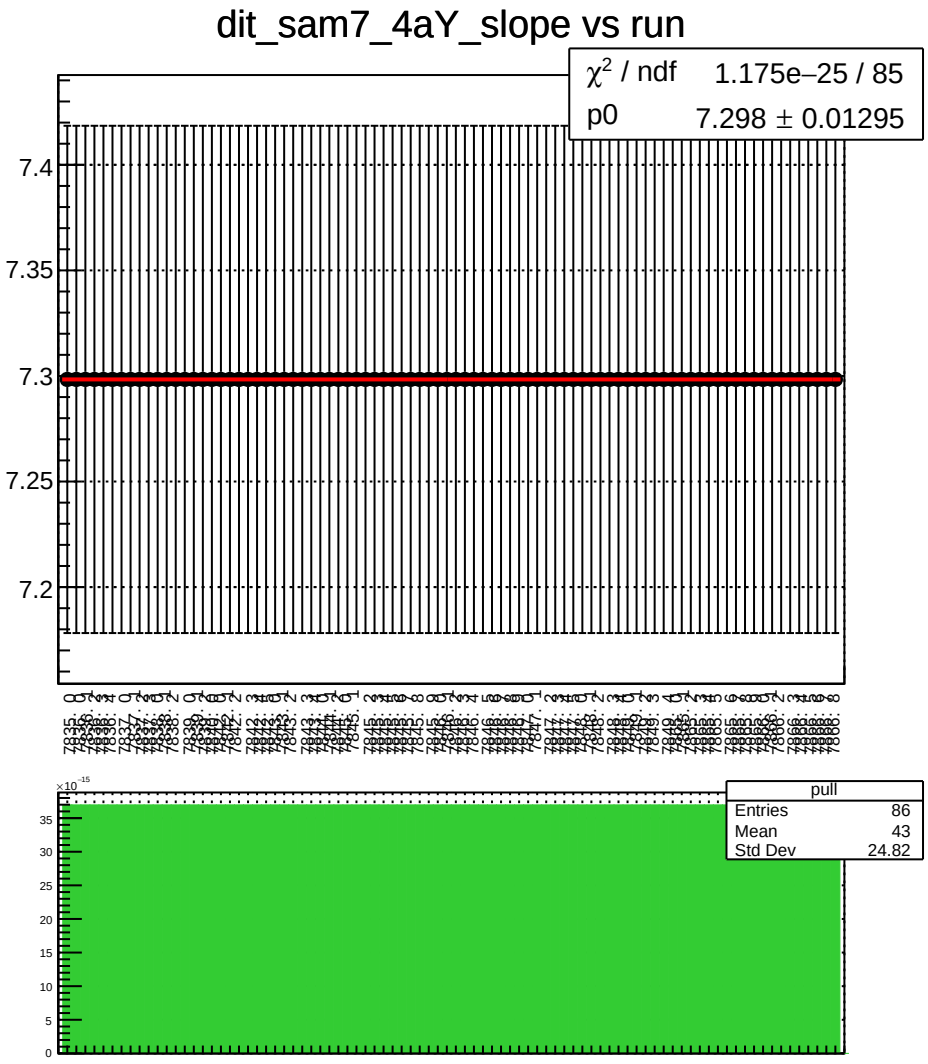

dit_sam7_4eX_slope vs run
χ^2 / ndf 3.746e−24 / 85
p0 −131.9 ± 0.07343
−131.2
−131.4
−131.6
−131.8
−132
−132.2
−132.4
−132.6
pull
Entries 86
Mean 43
Std Dev 24.82
$\times 10^{-12}$
0
−0.05
−0.1
−0.15
−0.2

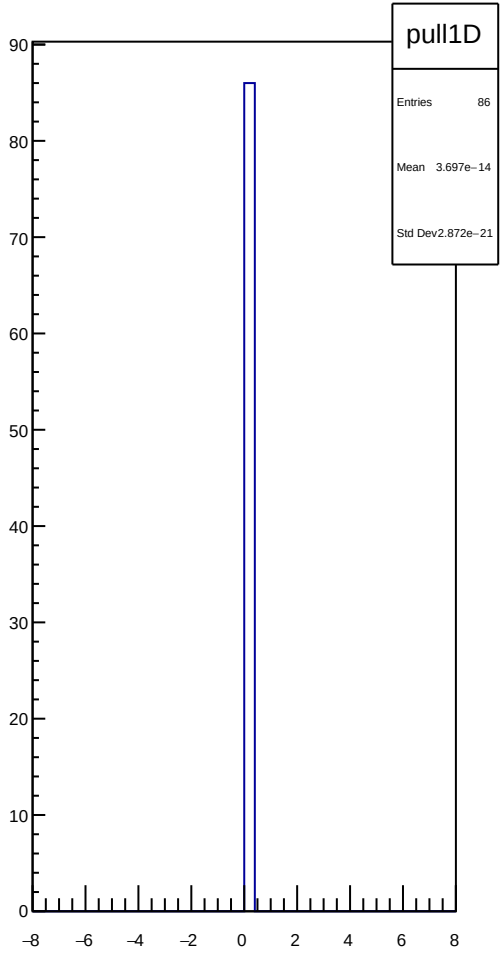

pull1D
Entries 86
Mean −2.087e−13
Std Dev 9.279e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

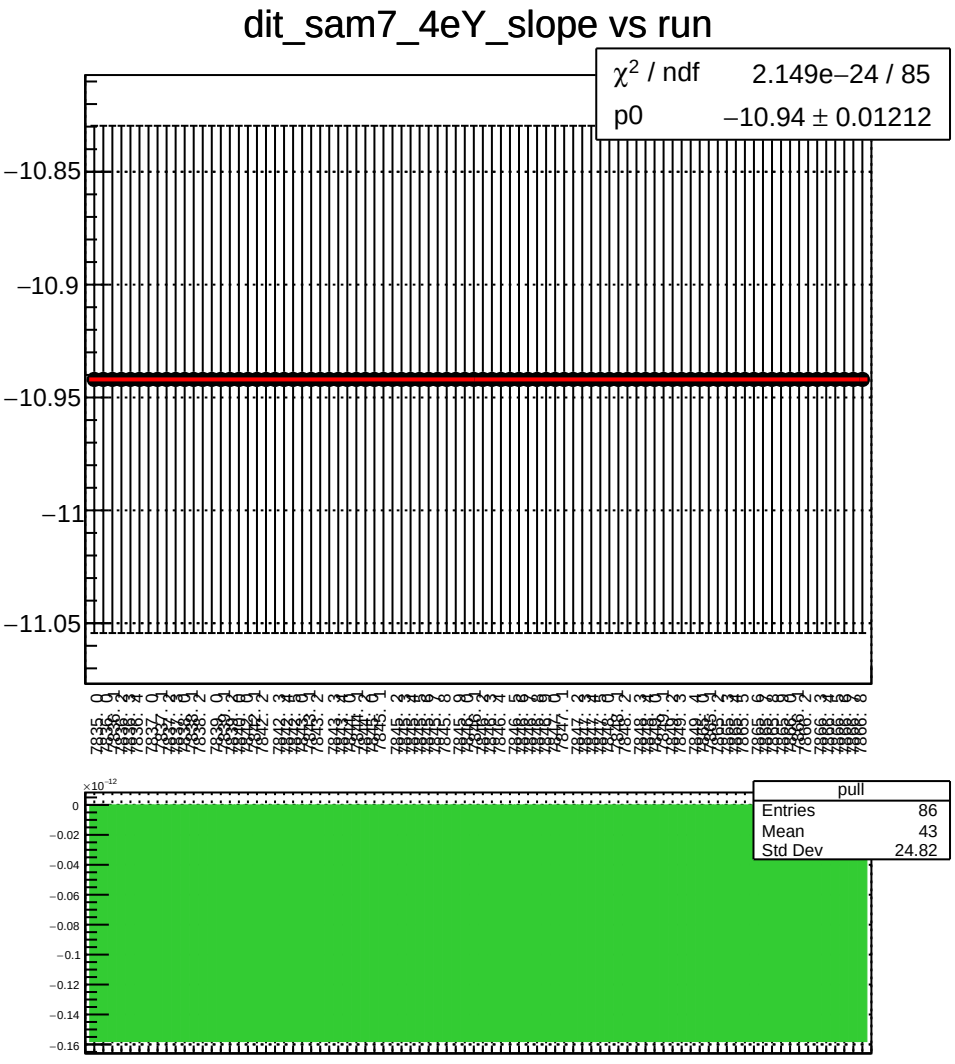
dit_sam7_11X12X_slope vs run

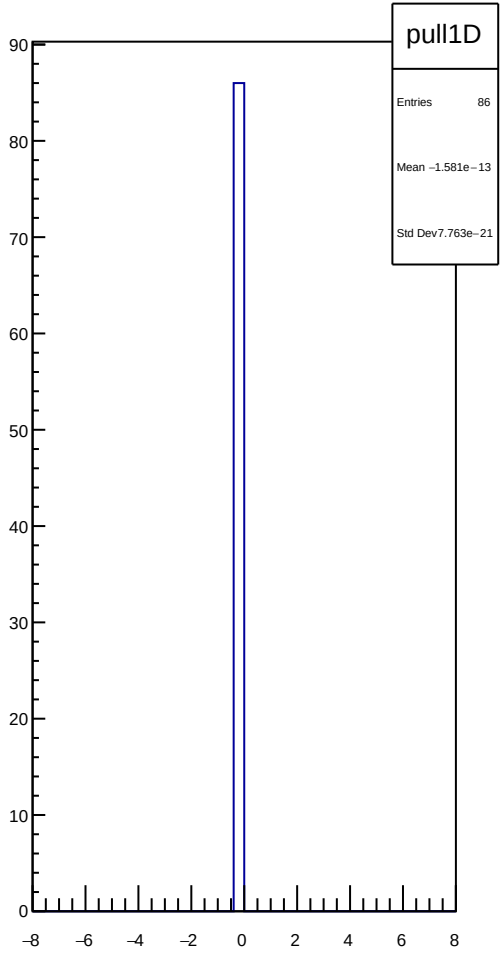


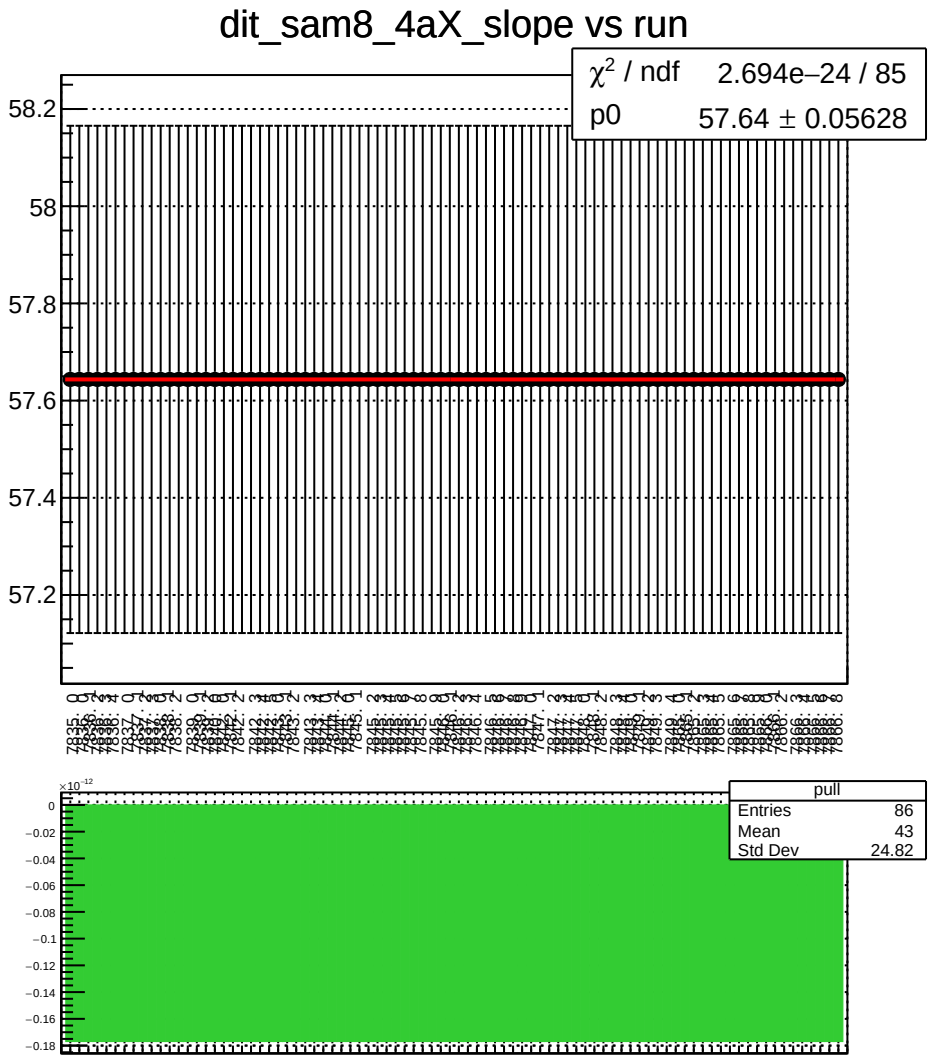


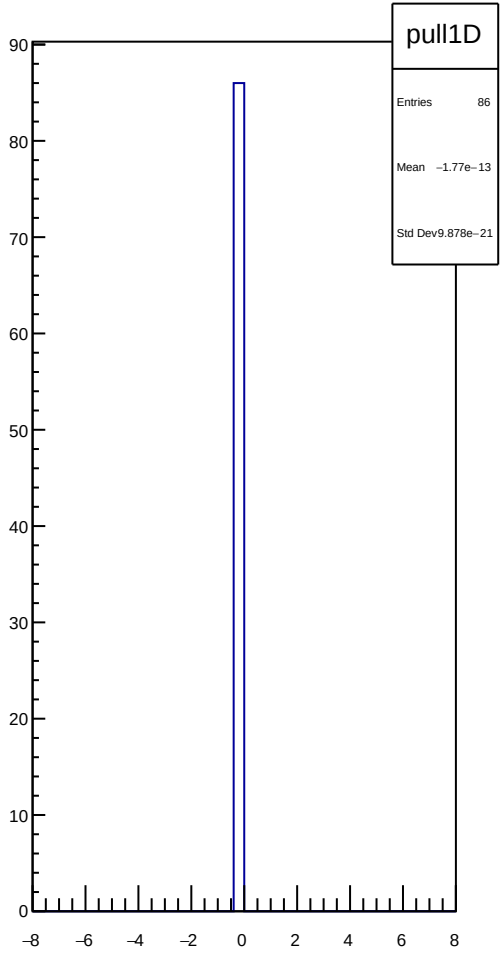

dit_sam7_4aY_slope vs run
χ^2 / ndf 1.175e−25 / 85
p0 7.298 ± 0.01295
7.4
7.35
7.3
7.25
7.2
pull
Entries 86
Mean 43
Std Dev 24.82
×10^-15
35
30
25
20
15
10
5
0

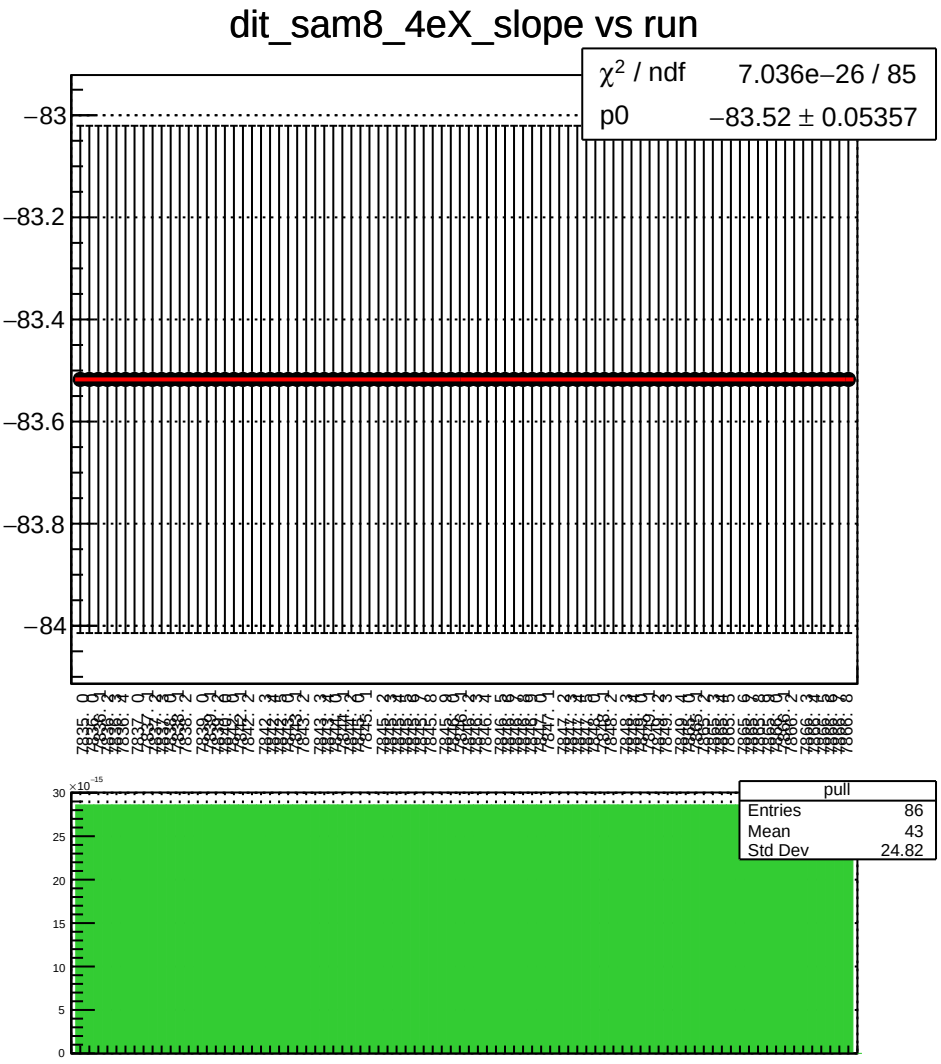

pull1D
Entries 86
Mean 3.697e−14
Std Dev2.872e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

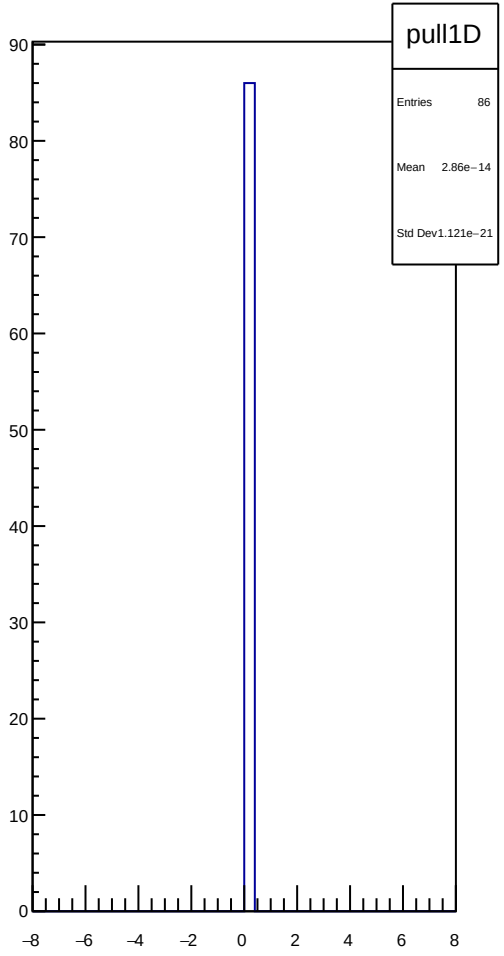

dit_sam7_4eY_slope vs run
χ^2 / ndf 2.149e−24 / 85
p0 −10.94 ± 0.01212
−10.85
−10.9
−10.95
−11
−11.05
pull
Entries 86
Mean 43
Std Dev 24.82
×10^−12
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16


pull1D
Entries 86
Mean −1.581e−13
Std Dev 7.763e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

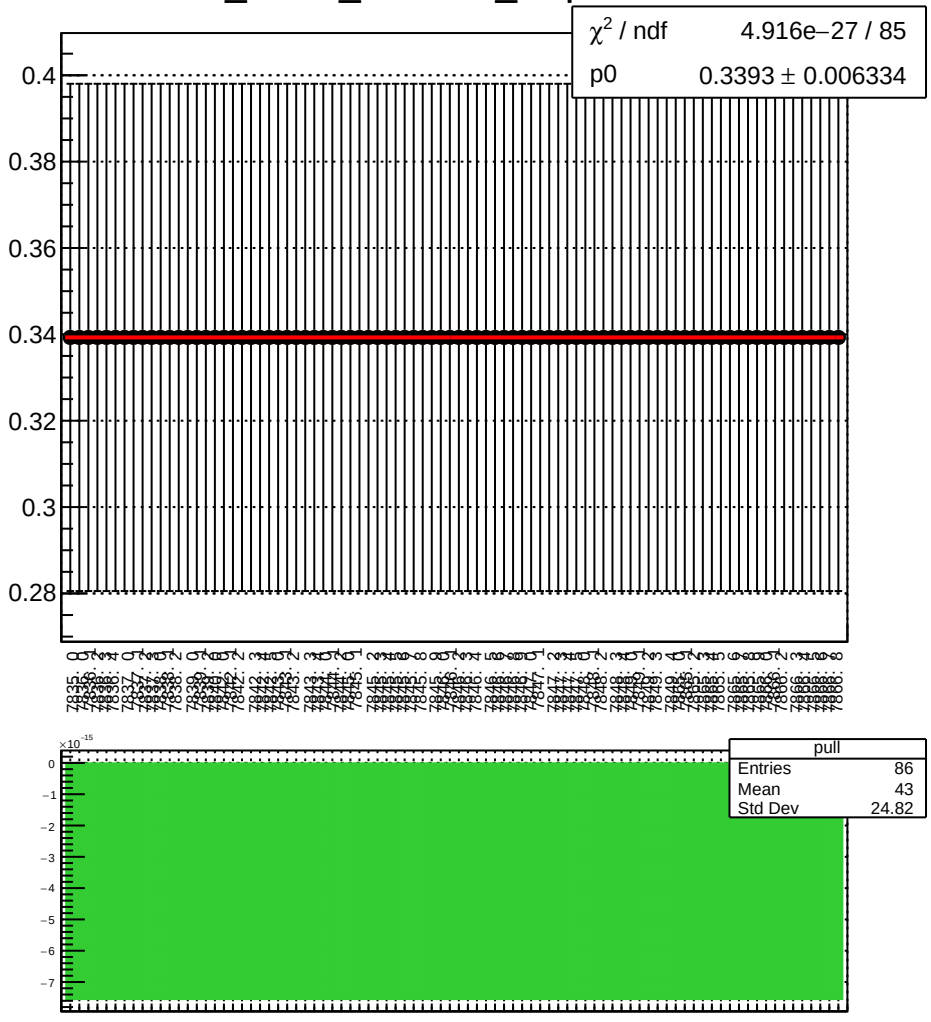

dit_sam8_4aX_slope vs run
χ^2 / ndf 2.694e−24 / 85
p0 57.64 ± 0.05628
58.2
58
57.8
57.6
57.4
57.2
pull
Entries 86
Mean 43
Std Dev 24.82
×10^-12
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
−0.18

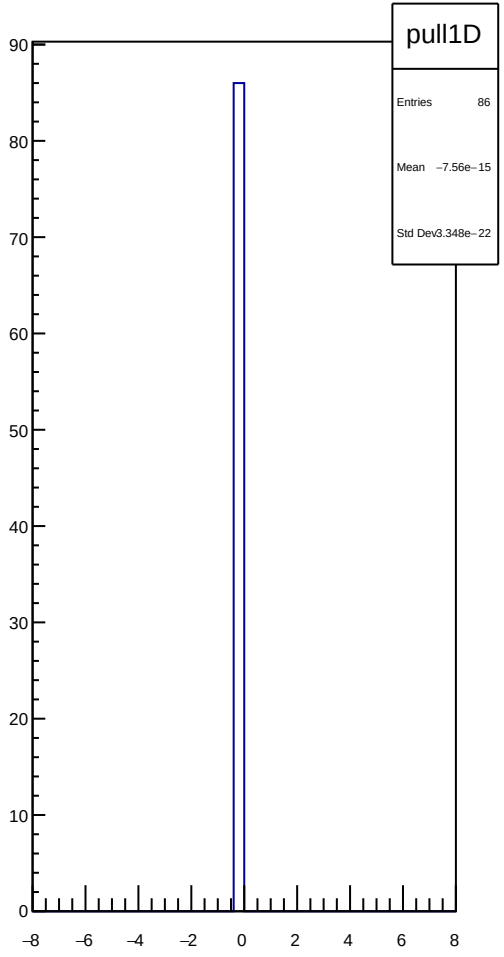

pull1D
Entries 86
Mean −1.77e−13
Std Dev 9.878e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

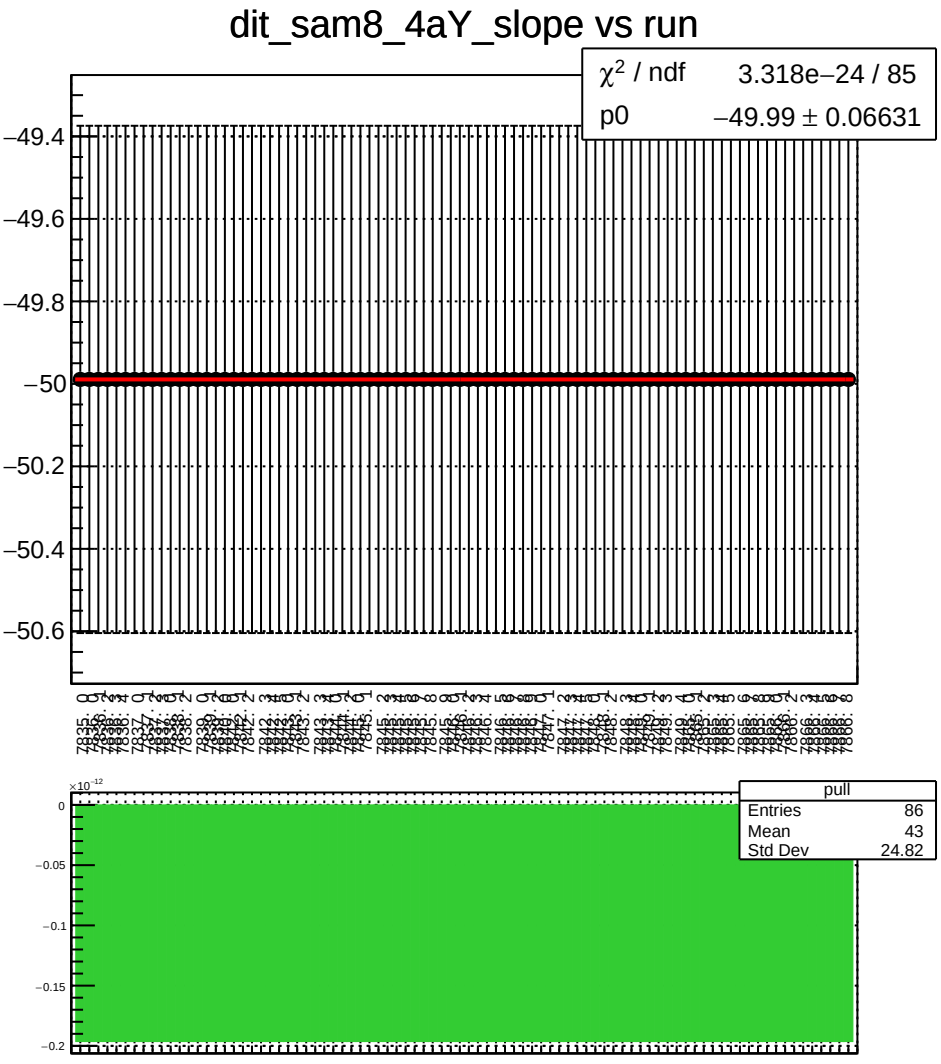

dit_sam8_4eX_slope vs run
χ² / ndf 7.036e−26 / 85
p0 −83.52 ± 0.05357
−83
−83.2
−83.4
−83.6
−83.8
−84
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
30
25
20
15
10
5
0

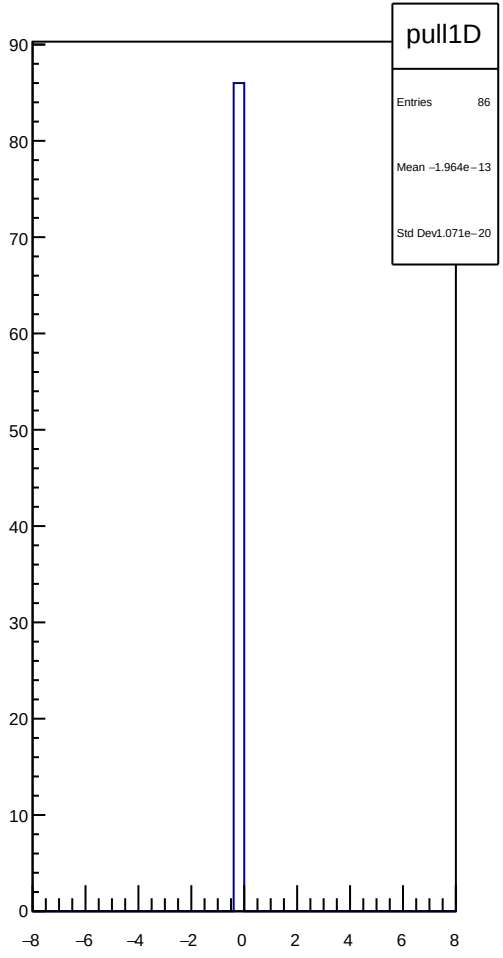

pull1D
Entries 86
Mean 2.86e−14
Std Dev 1.121e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

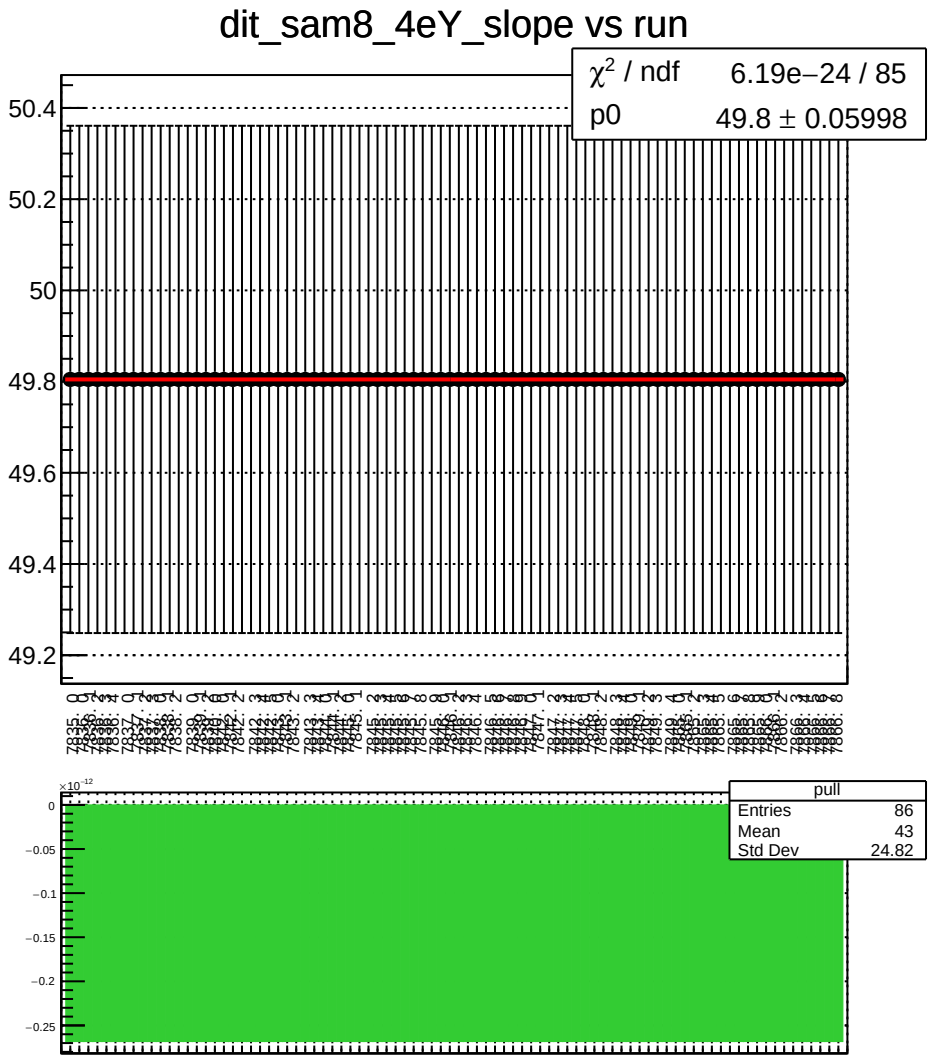
dit_sam8_11X12X_slope vs run

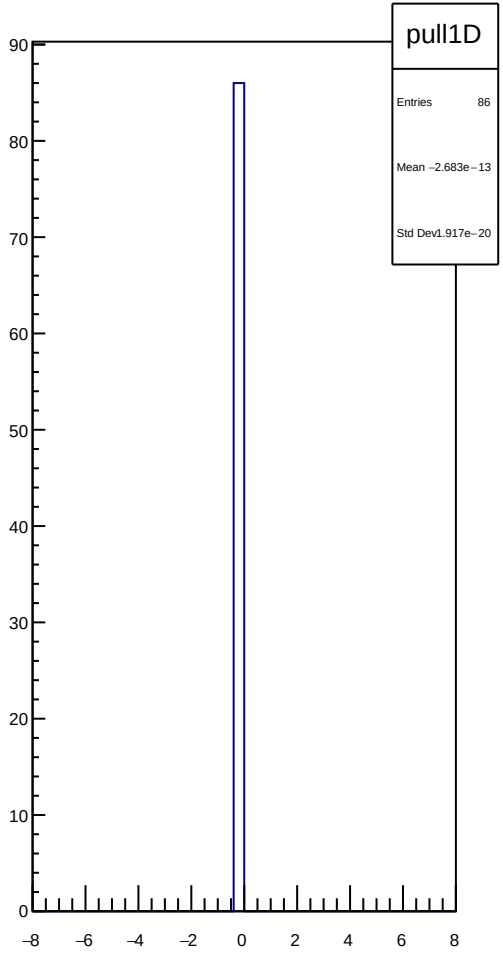


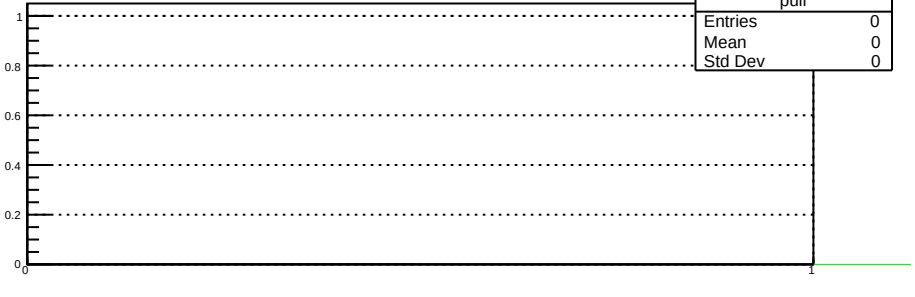


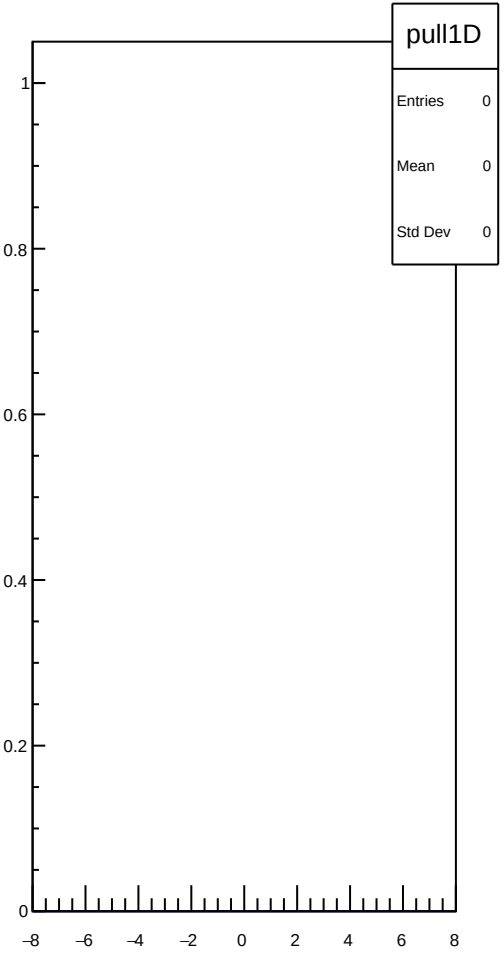

dit_sam8_4aY_slope vs run
χ2 / ndf 3.318e−24 / 85
p0 −49.99 ± 0.06631
−49.4
−49.6
−49.8
−50
−50.2
−50.4
−50.6
pull
Entries 86
Mean 43
Std Dev 24.82
×10−12
0
−0.05
−0.1
−0.15
−0.2

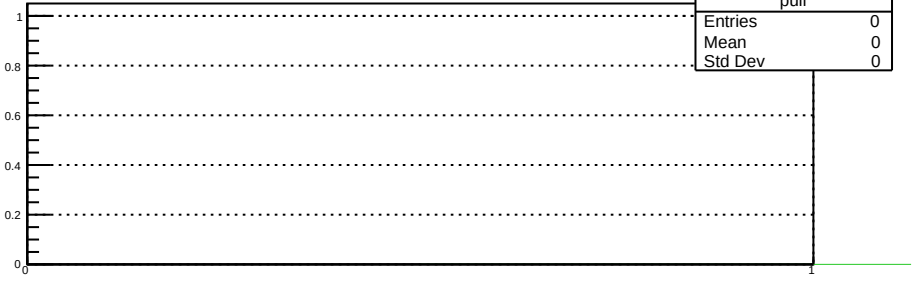

pull1D
Entries 86
Mean −1.964e−13
Std Dev1.071e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

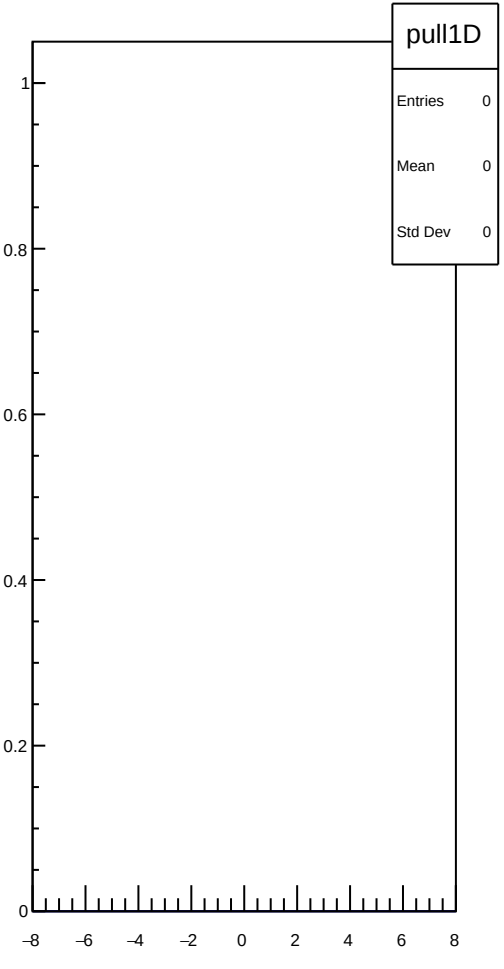

dit_sam8_4eY_slope vs run
χ^2 / ndf 6.19e−24 / 85
p0 49.8 ± 0.05998
50.4
50.2
50
49.8
49.6
49.4
49.2
pull
Entries 86
Mean 43
Std Dev 24.82
×10^-12
0
−0.05
−0.1
−0.15
−0.2
−0.25

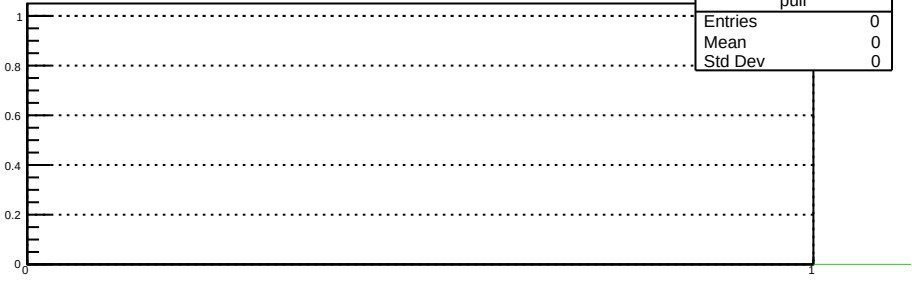

pull1D
Entries 86
Mean −2.683e−13
Std Dev 1.917e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

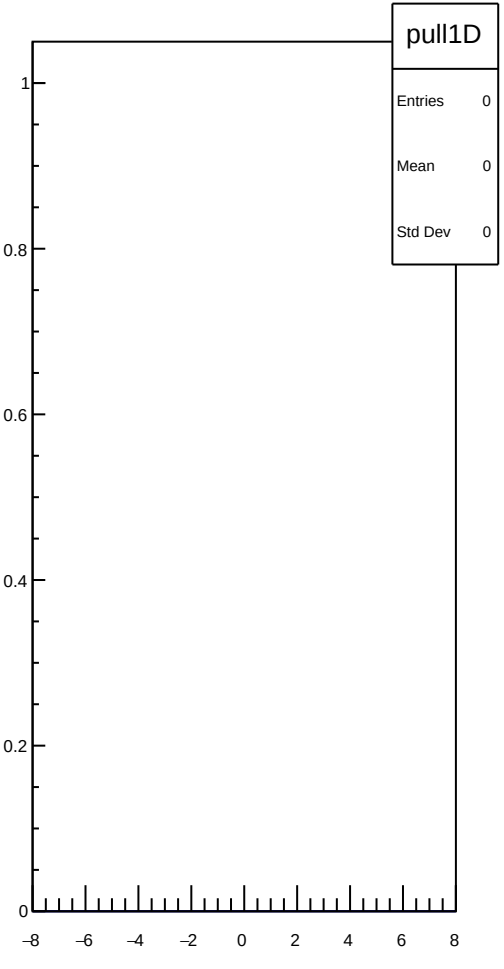

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

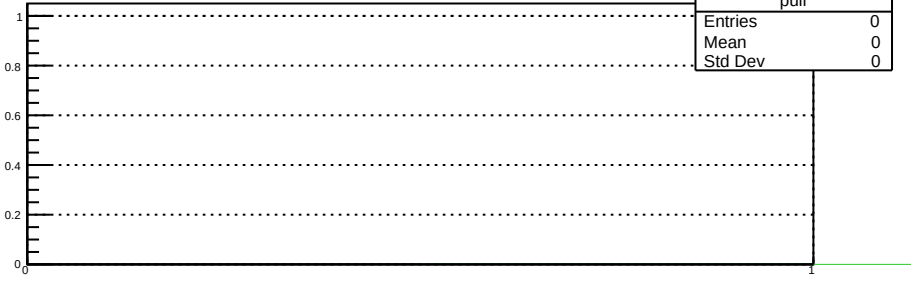

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

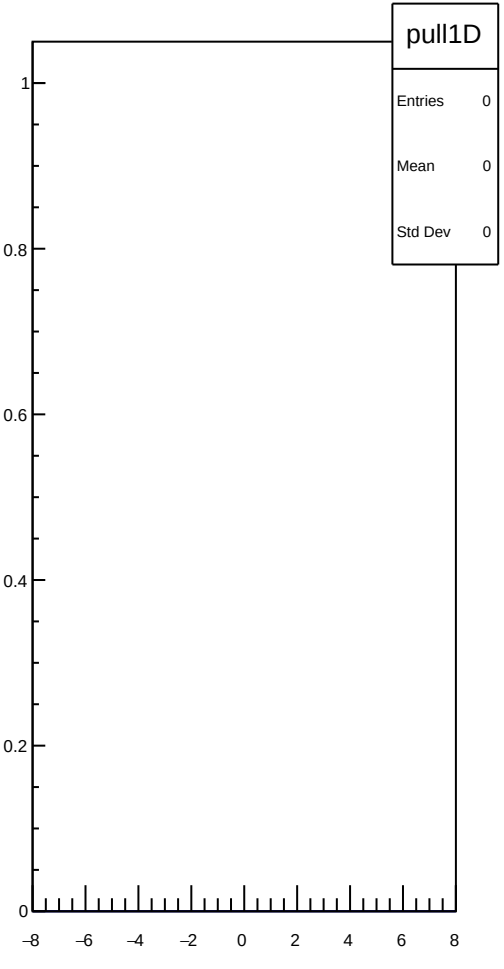

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

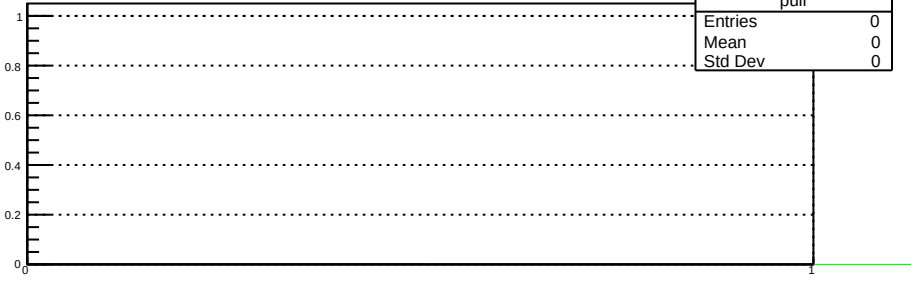

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

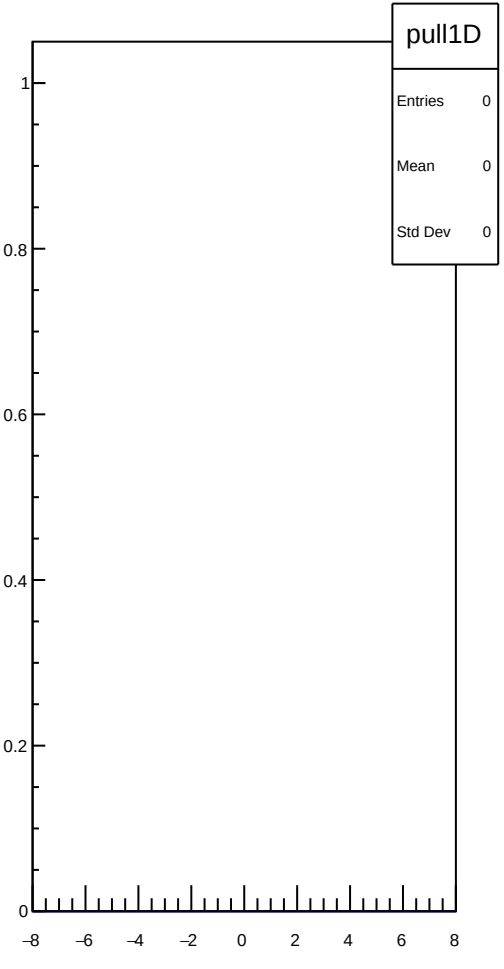

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

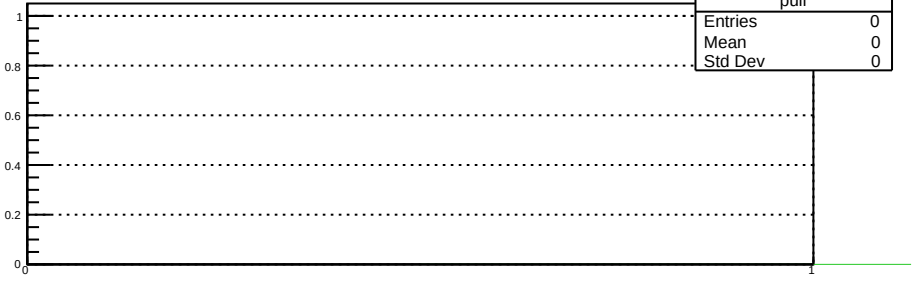

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

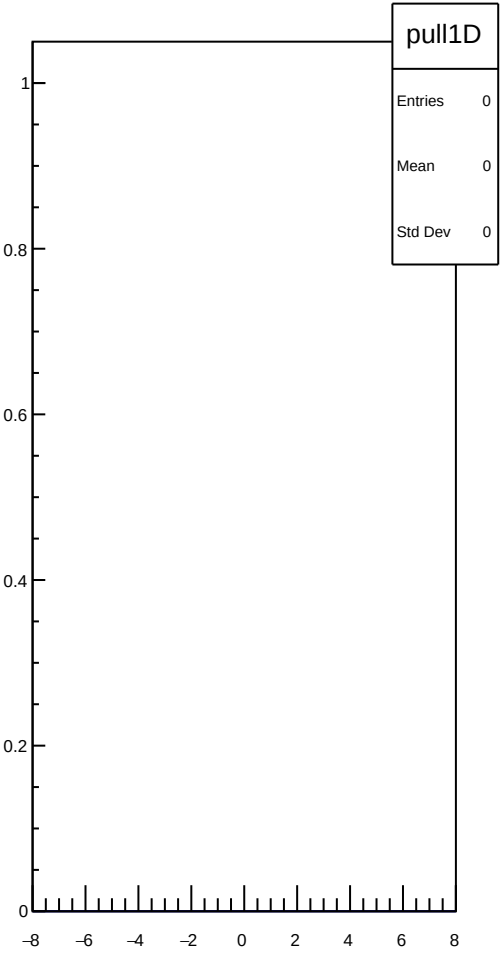

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

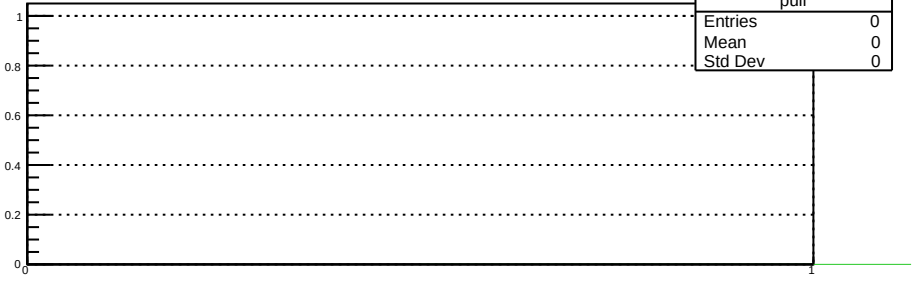

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

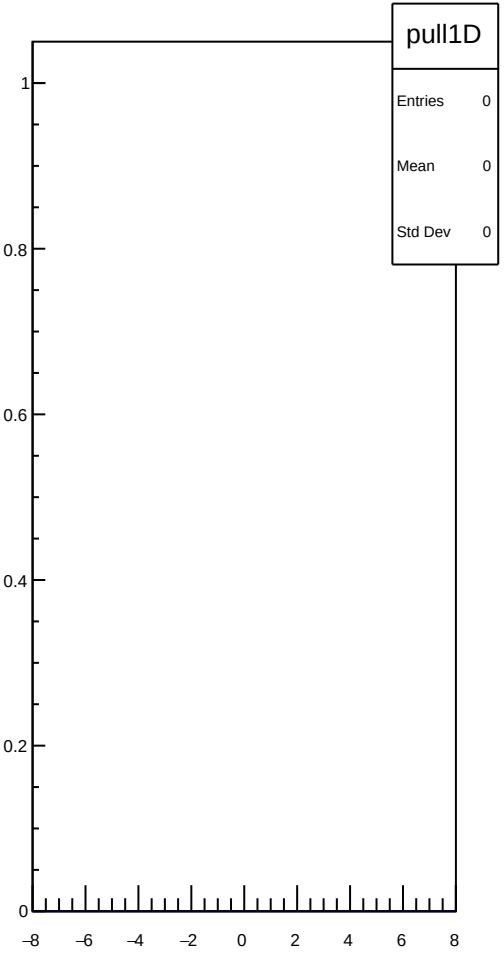

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

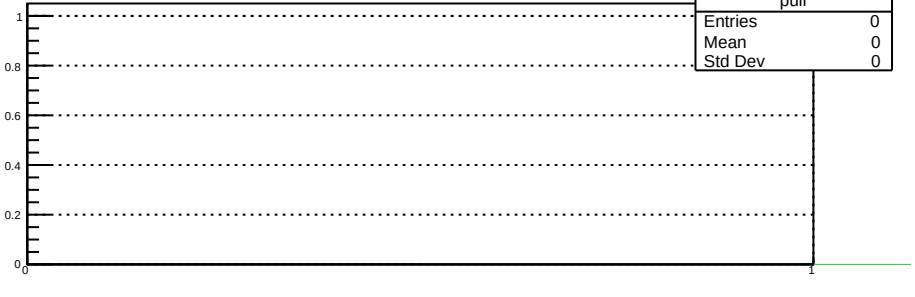

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


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


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


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


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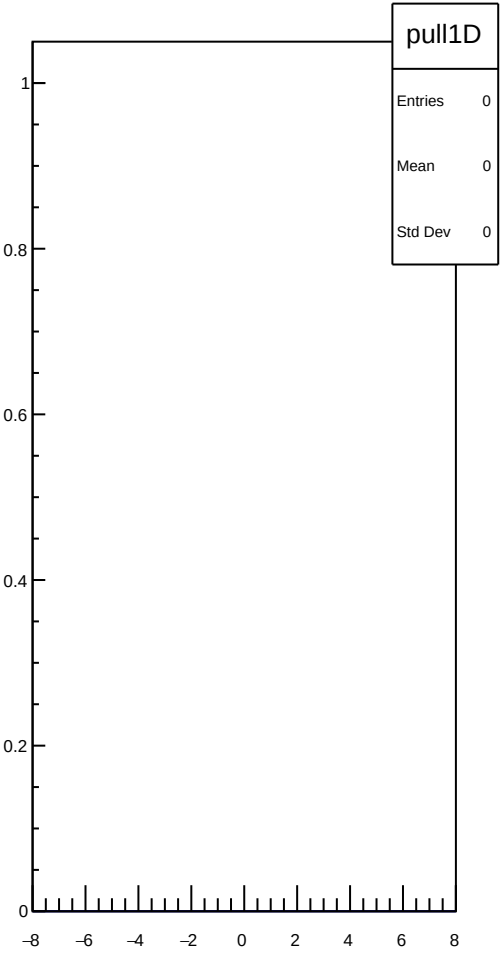
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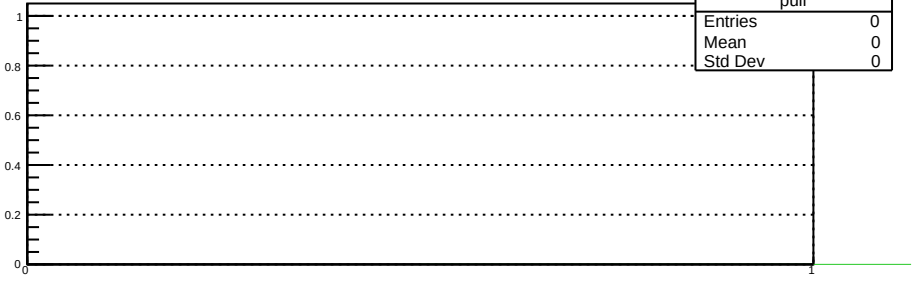
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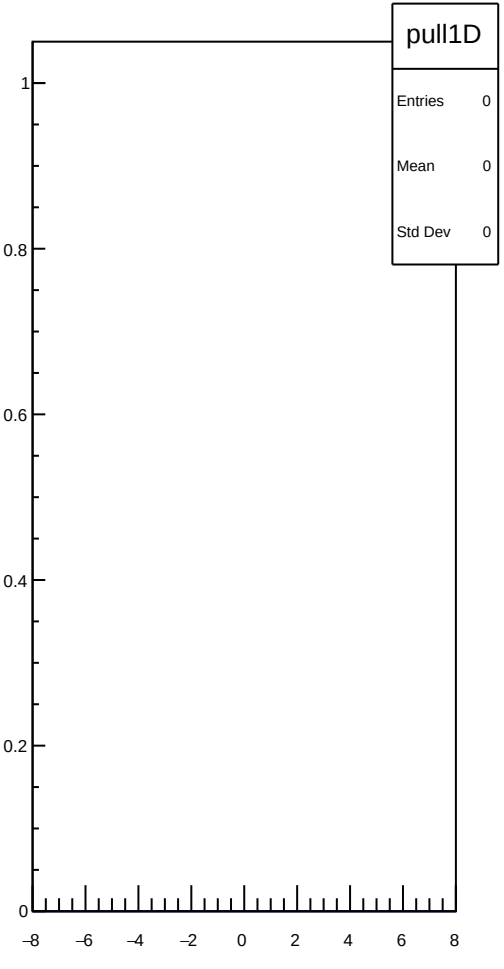
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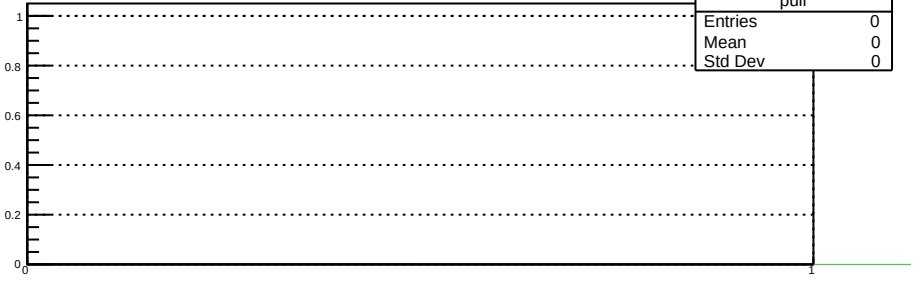
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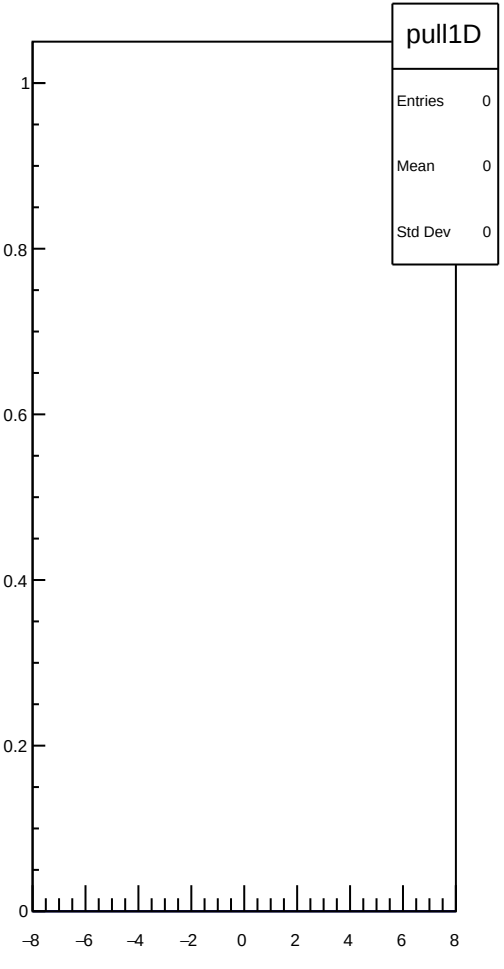
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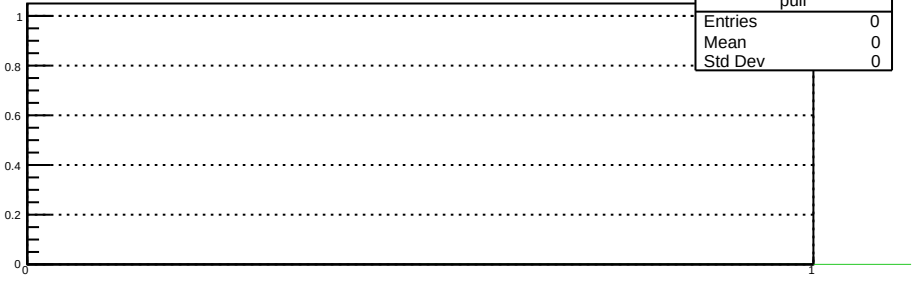
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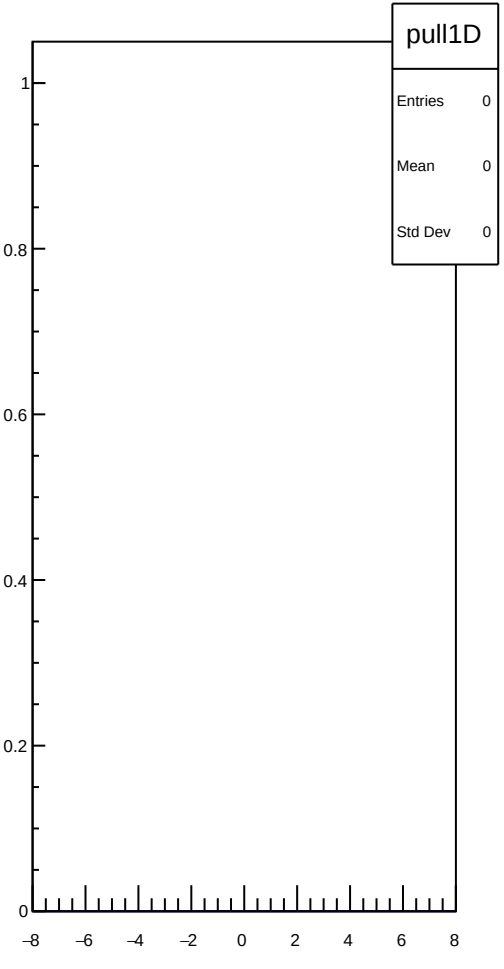
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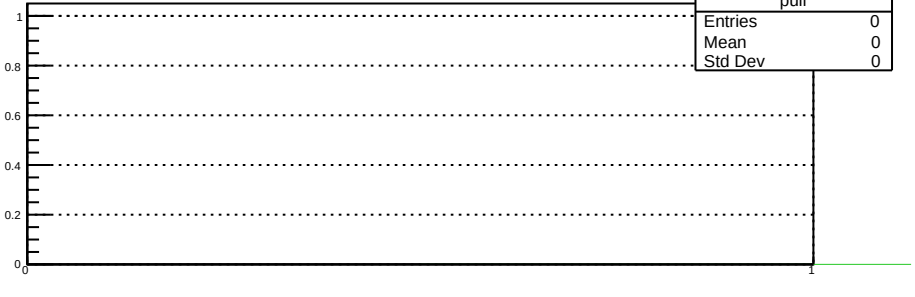
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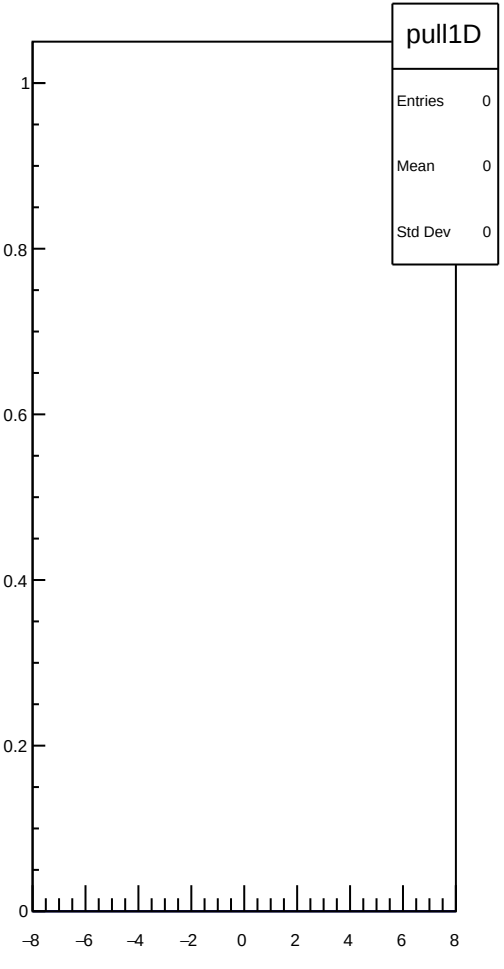
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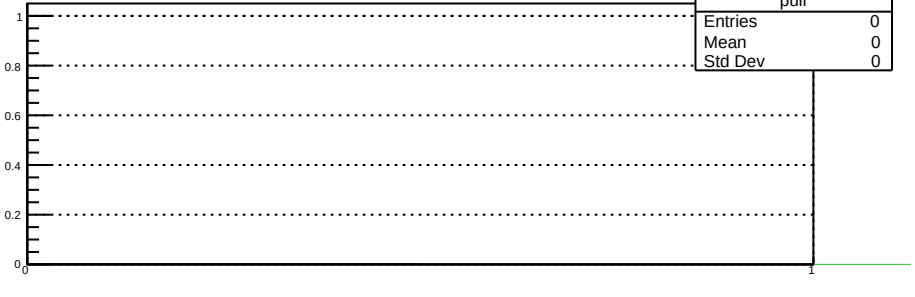
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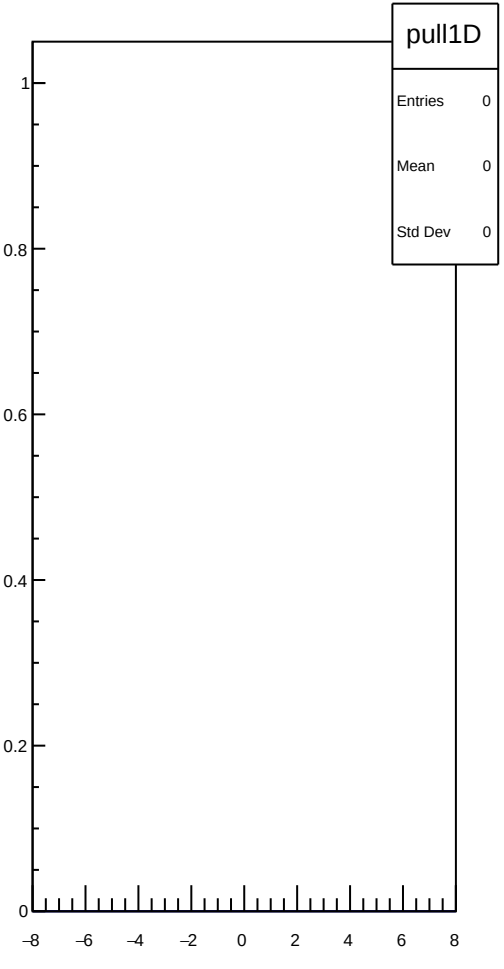
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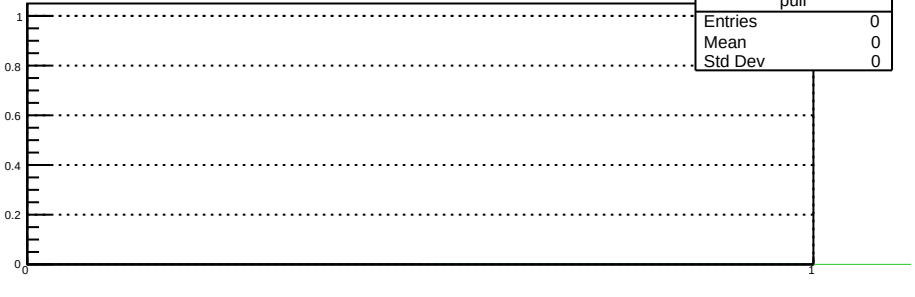
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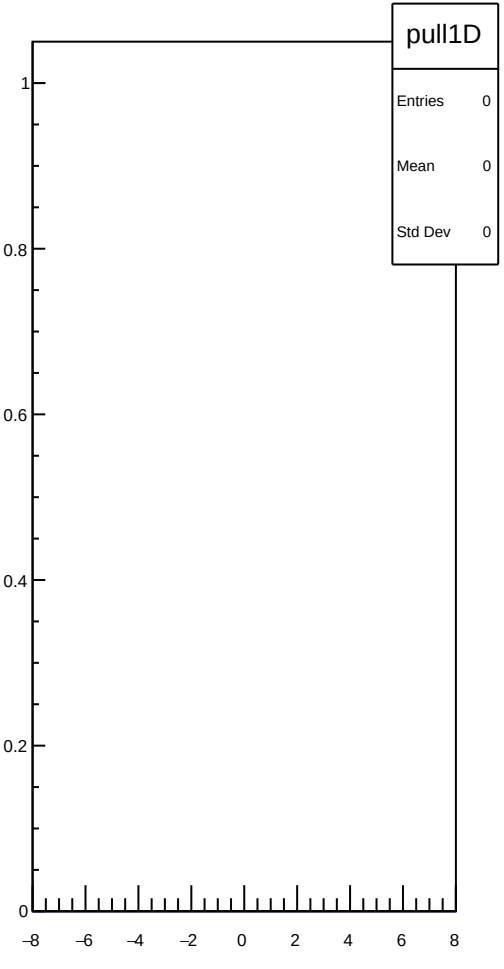
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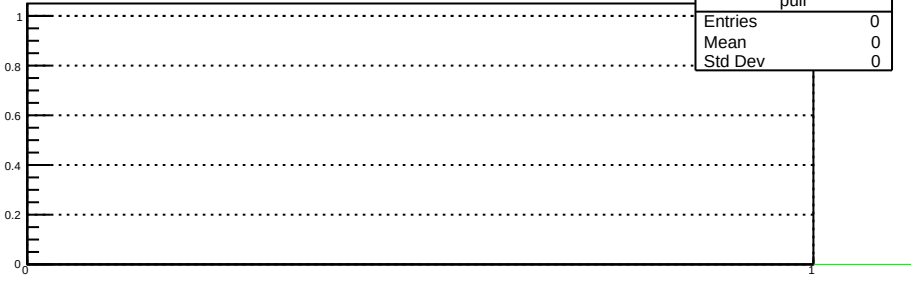
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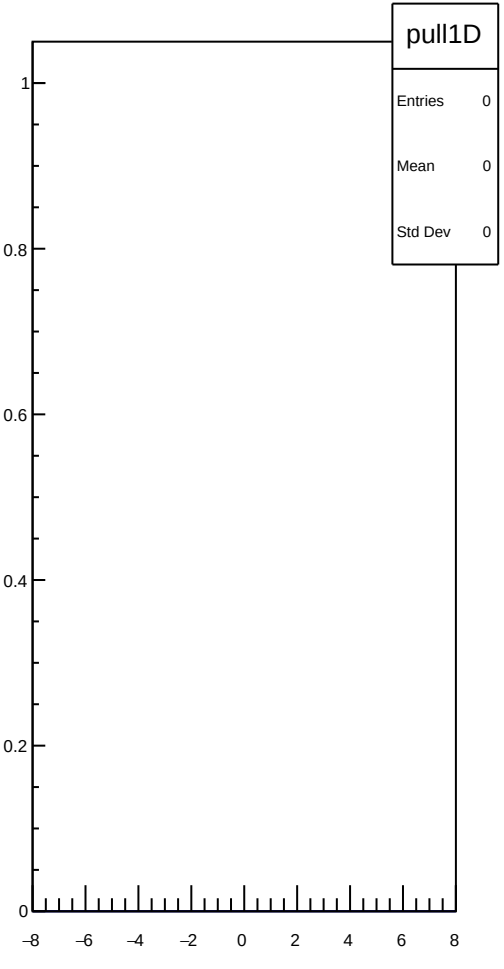
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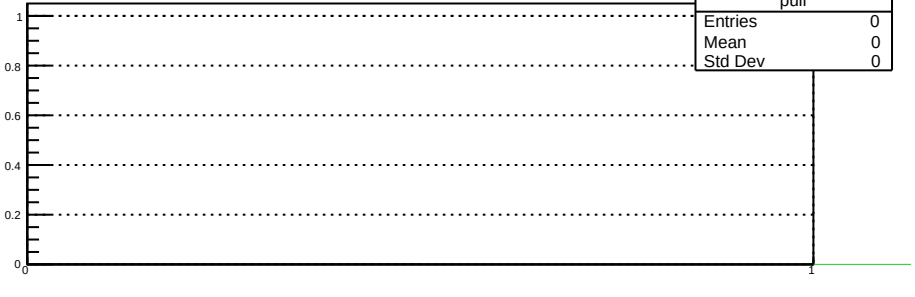
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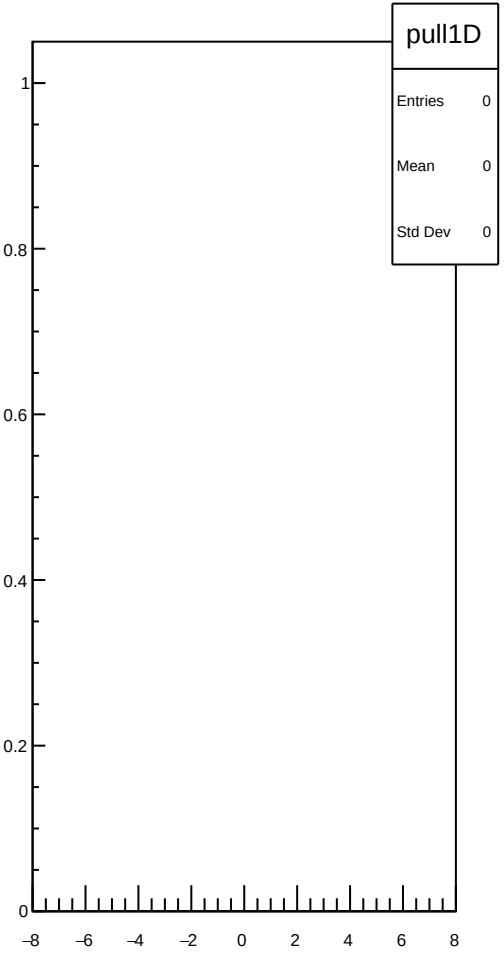
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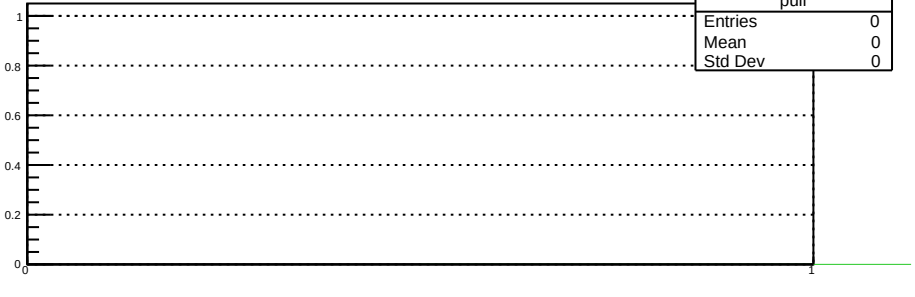
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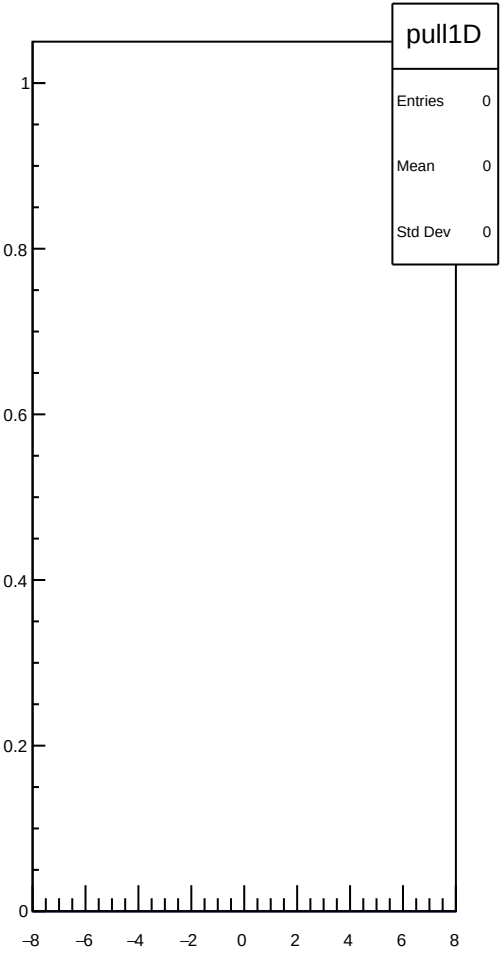
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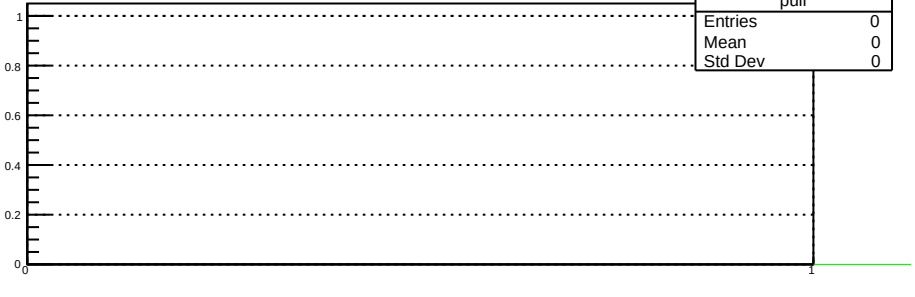
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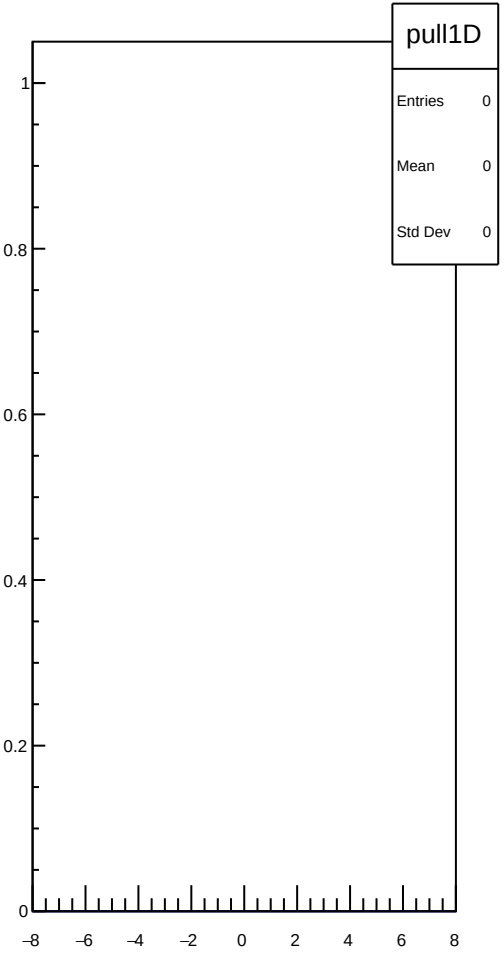
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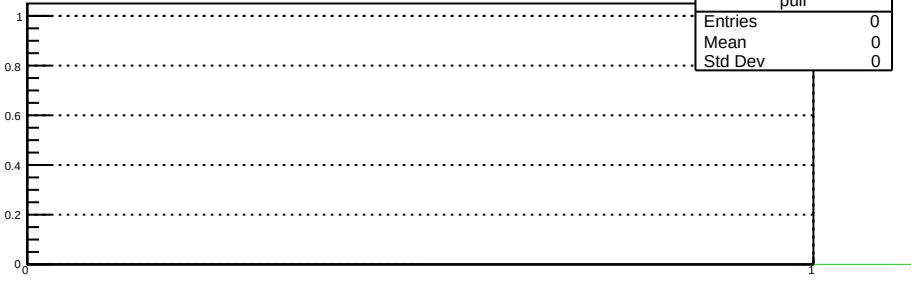
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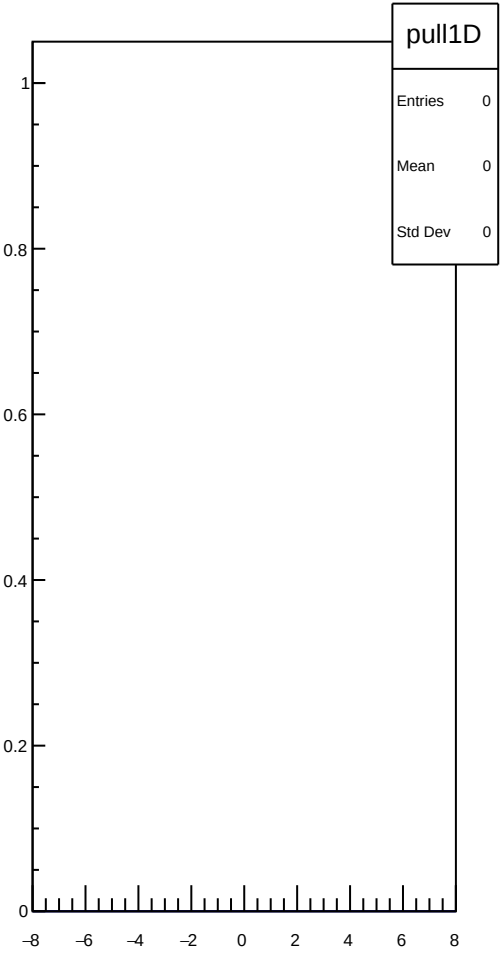
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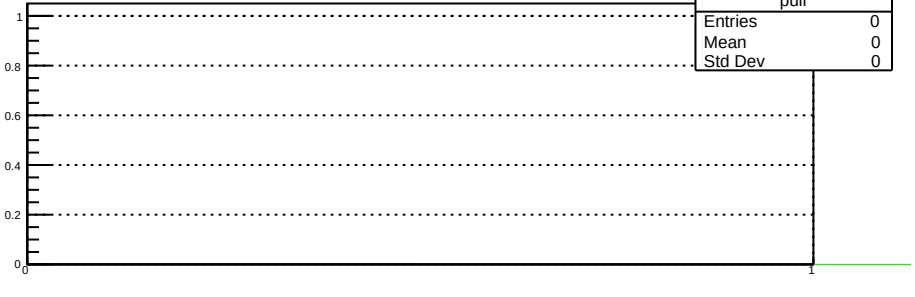
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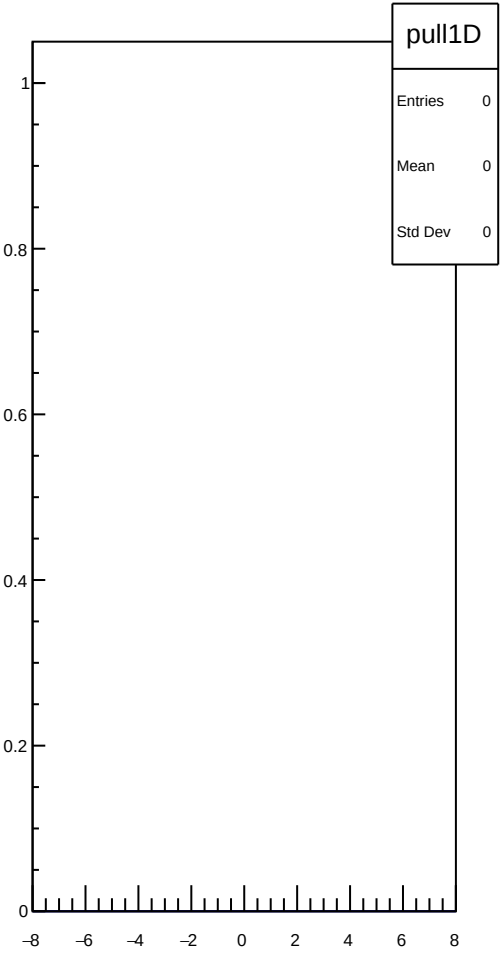
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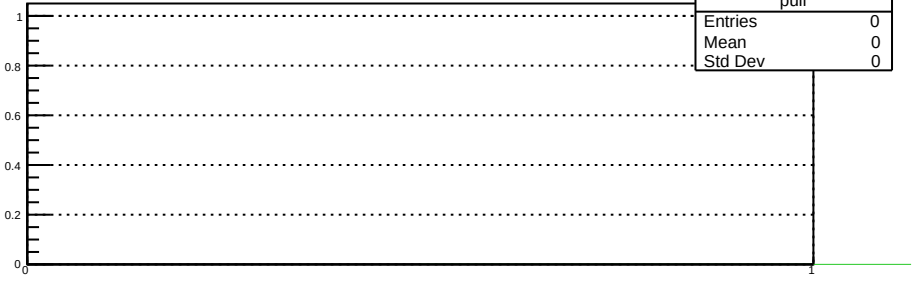
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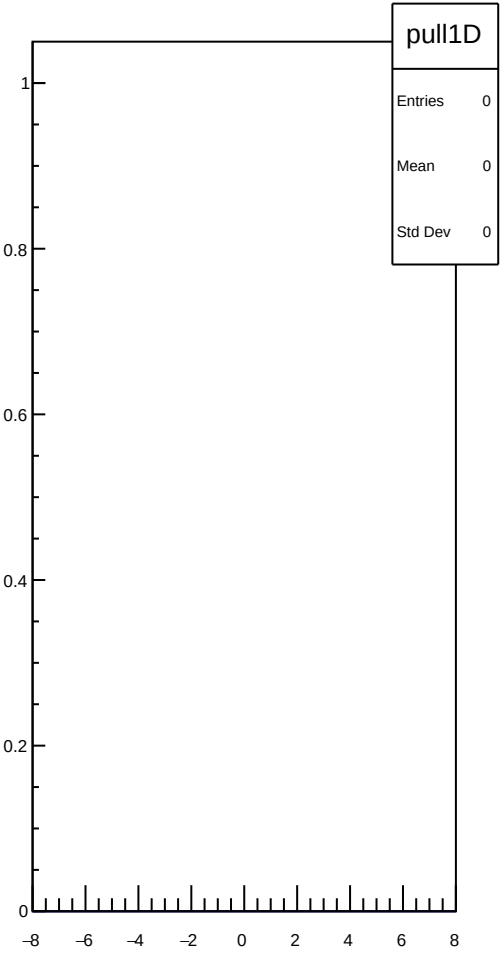
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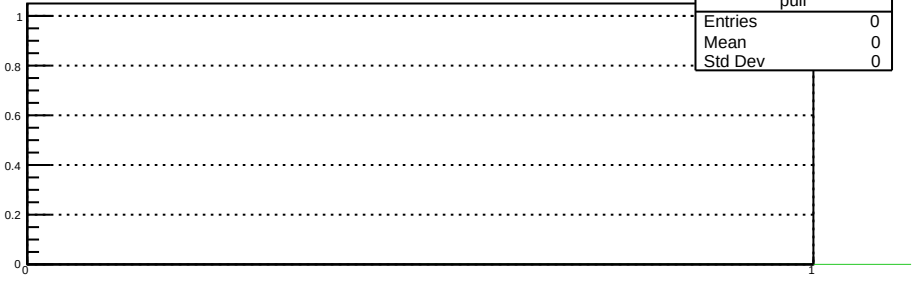
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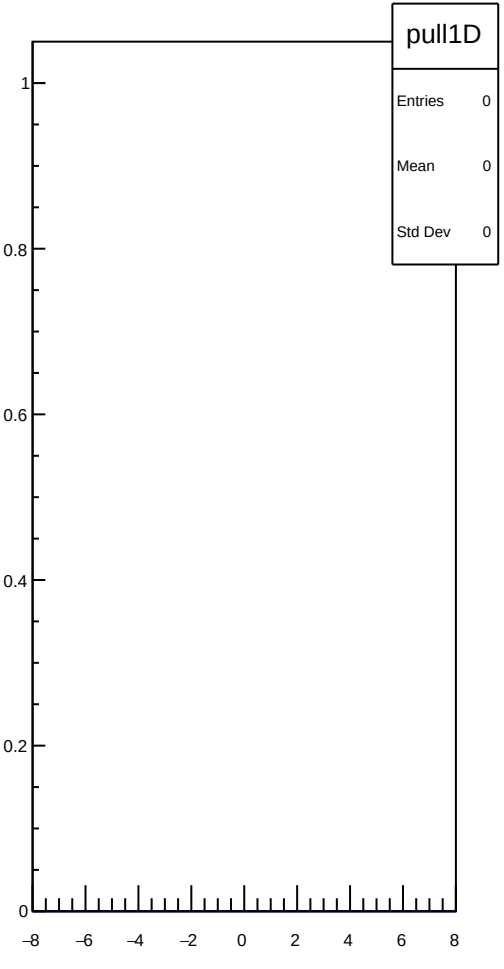
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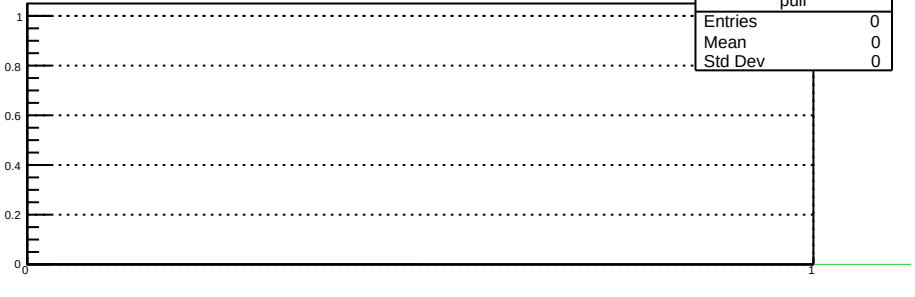
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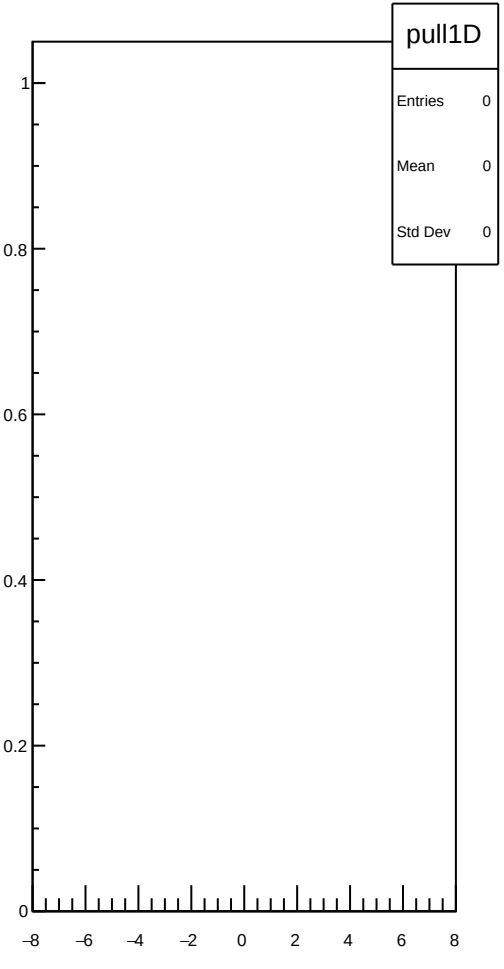
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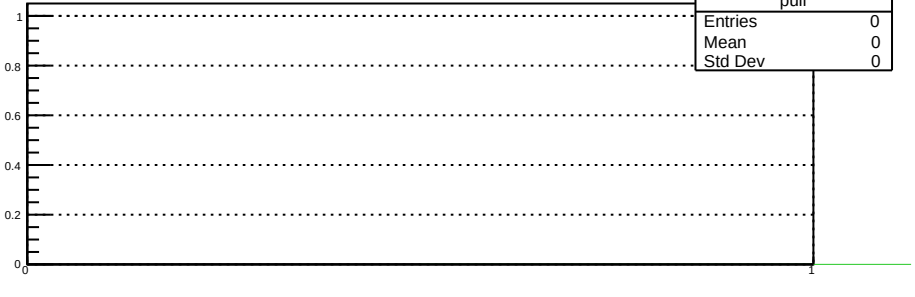
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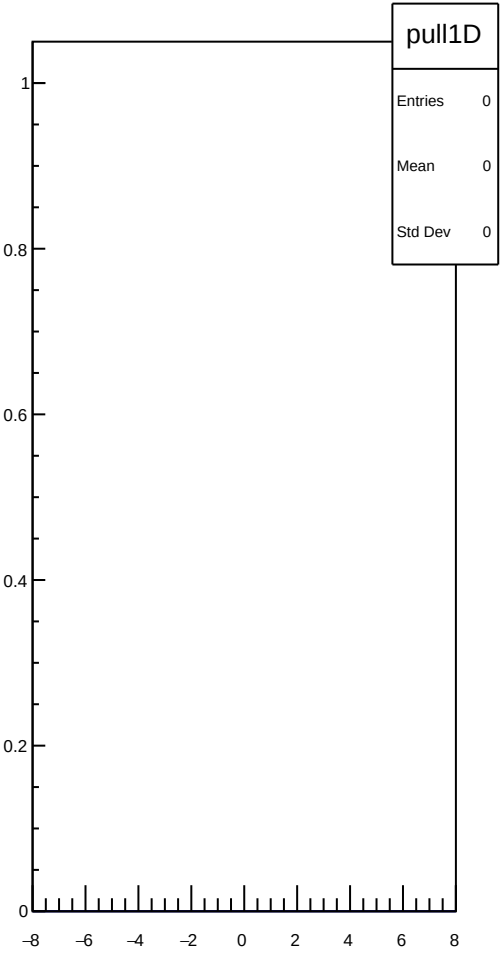
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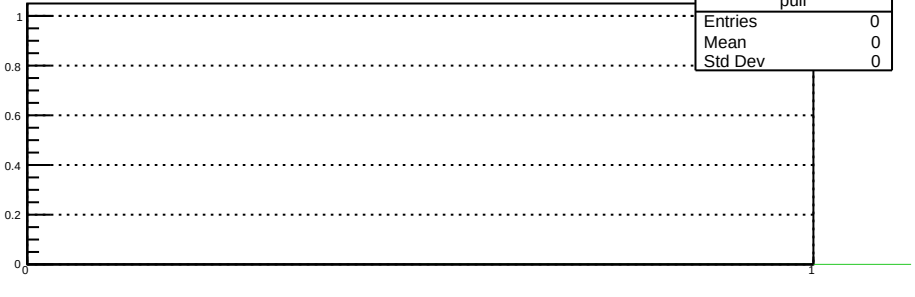
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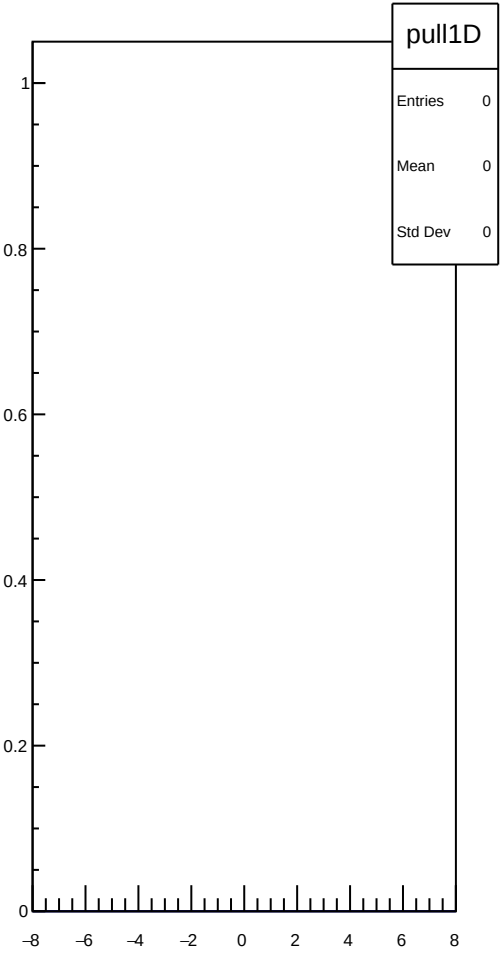
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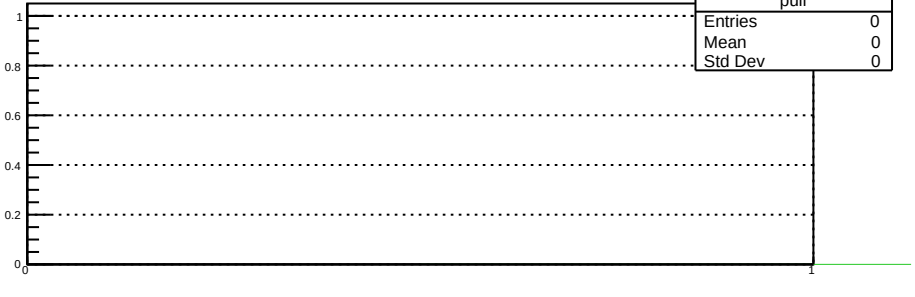
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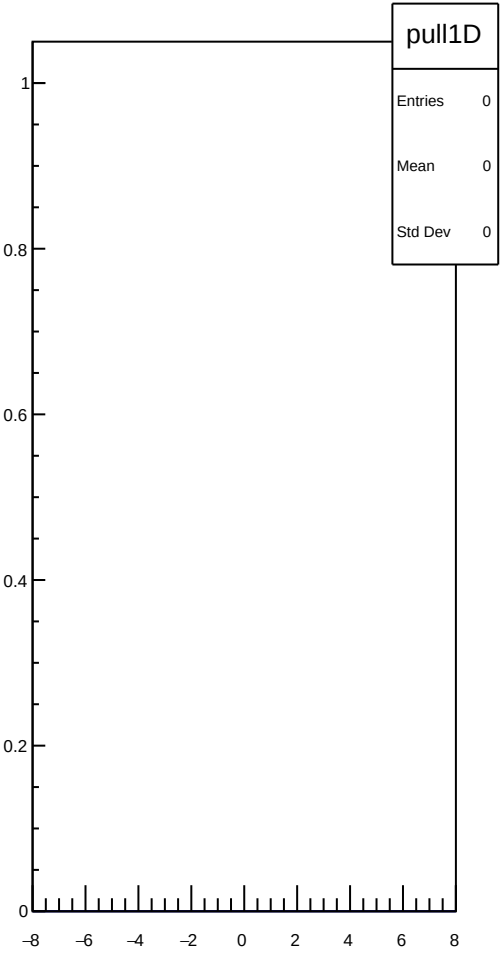
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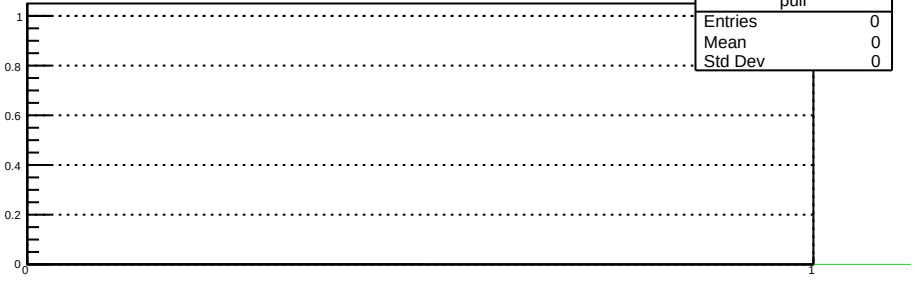
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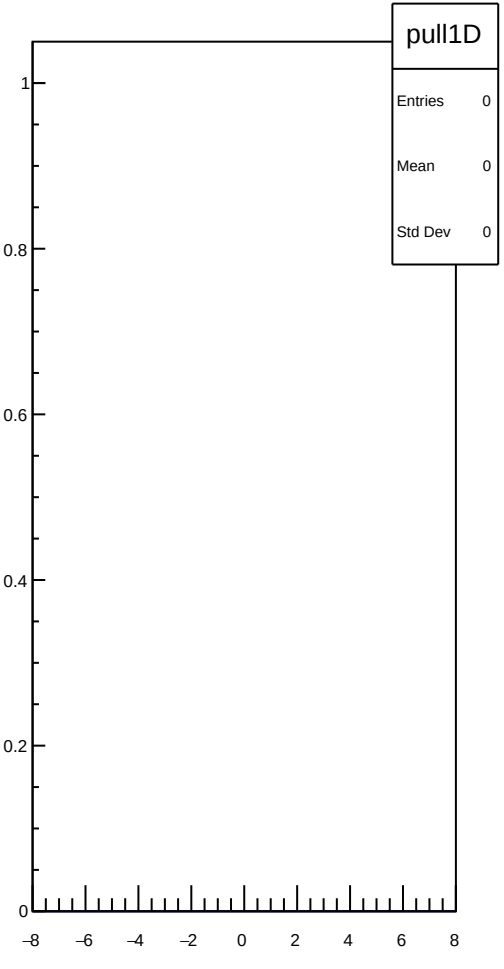
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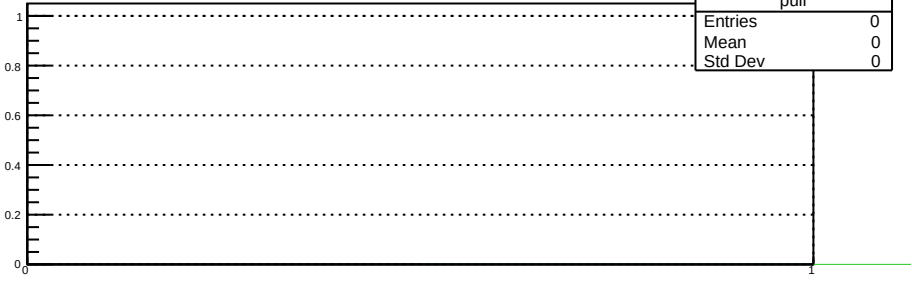
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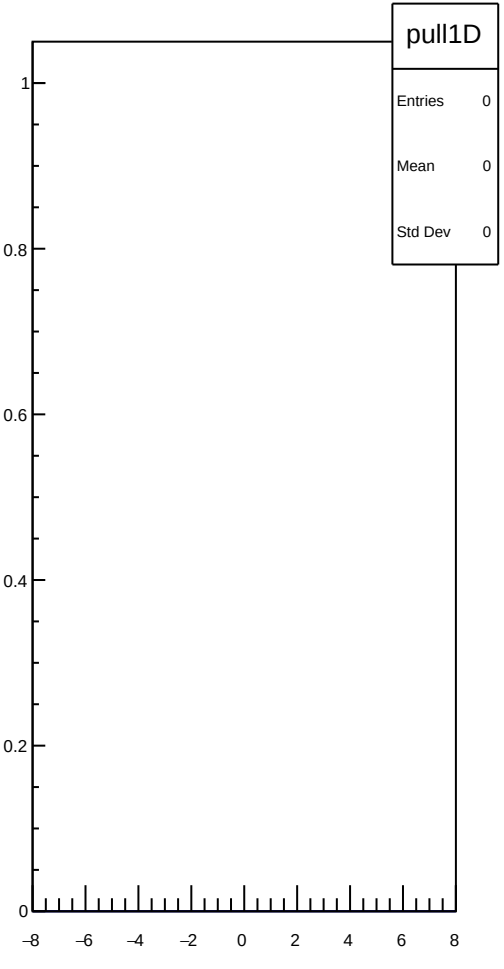
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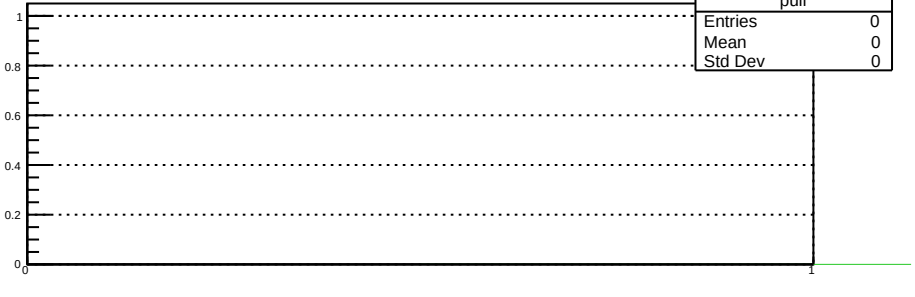
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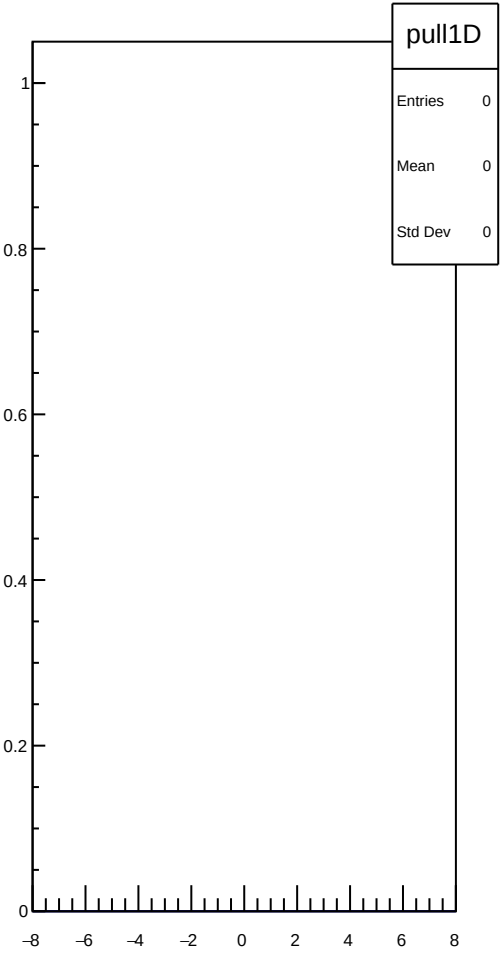
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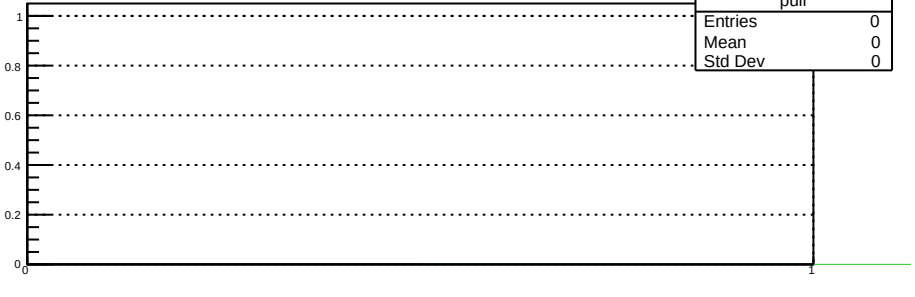
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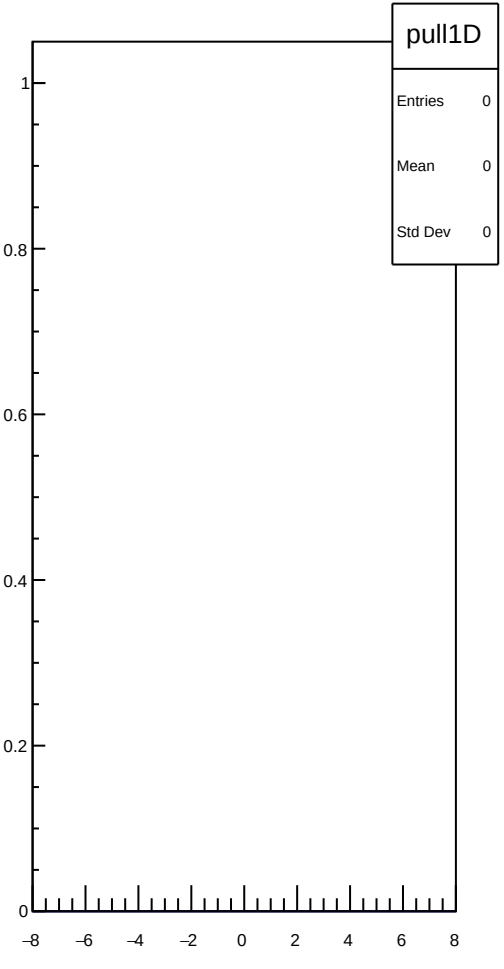
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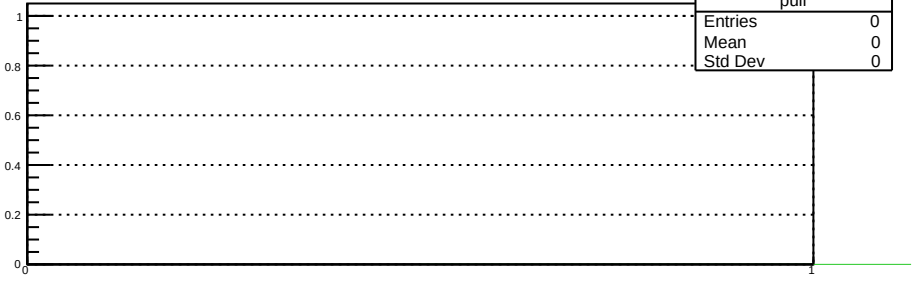
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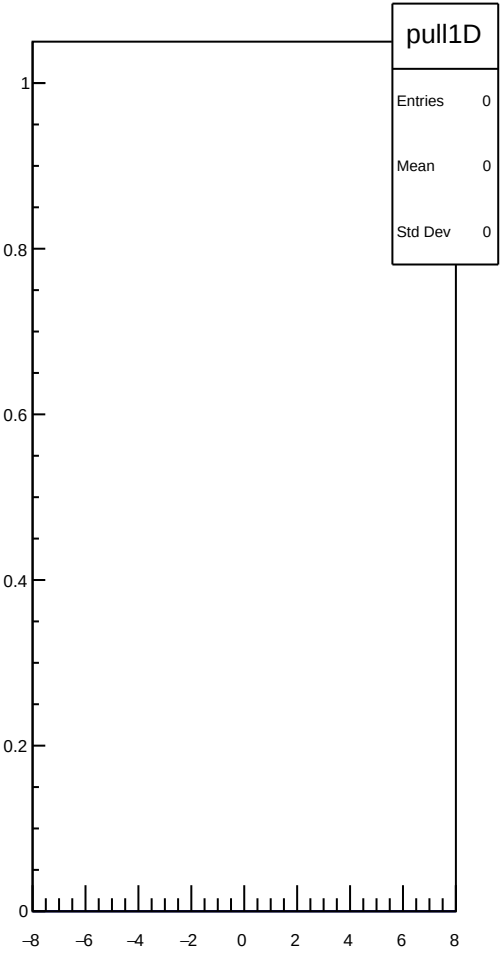
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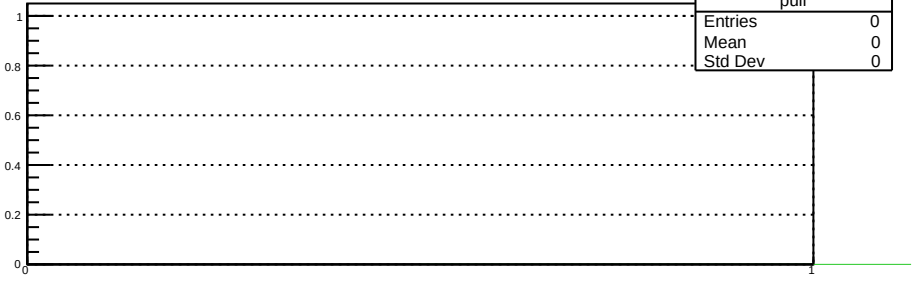
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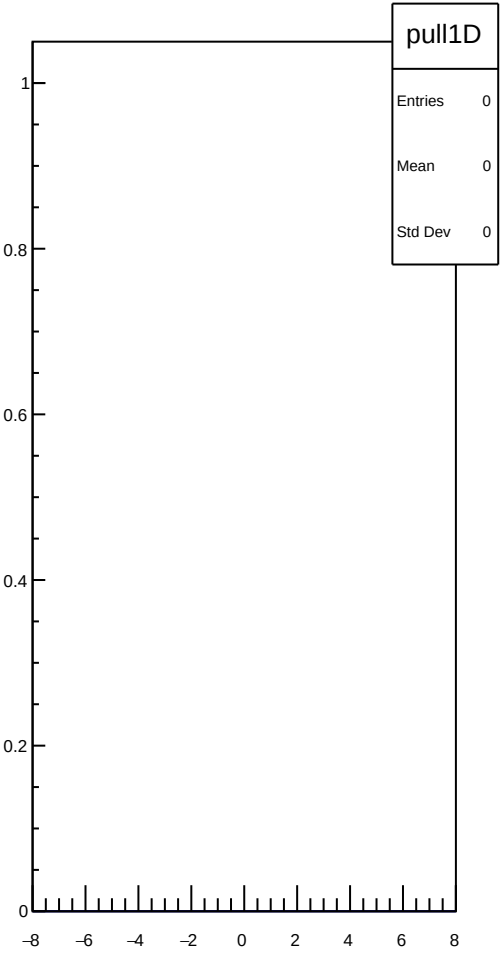
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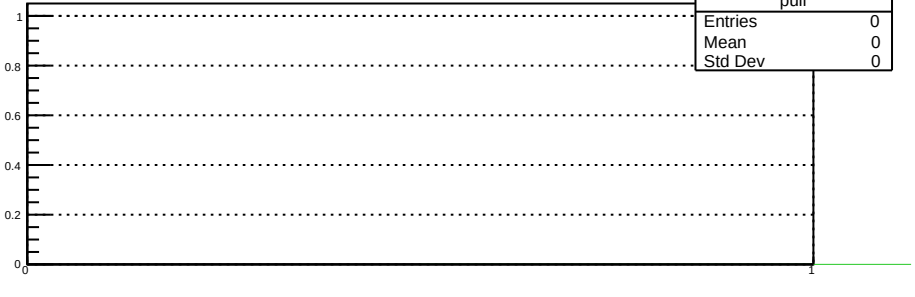
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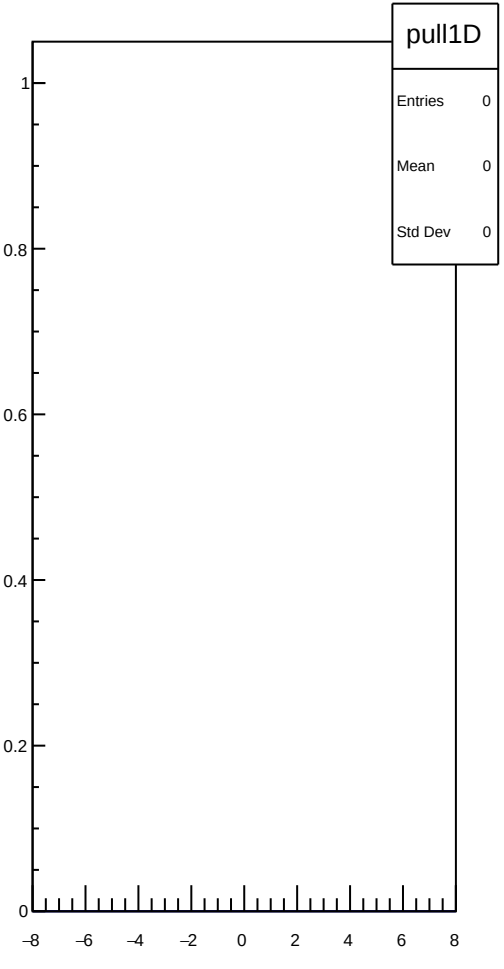
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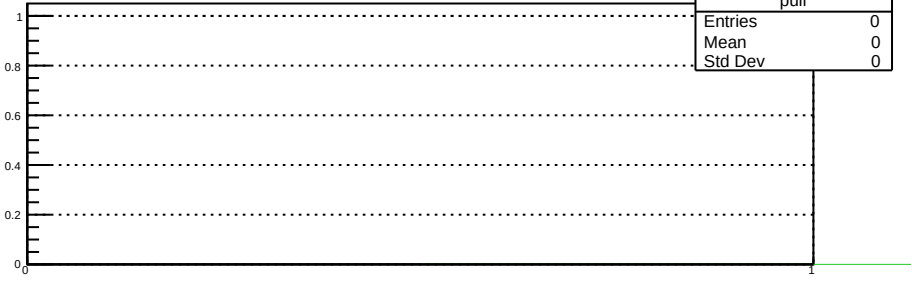
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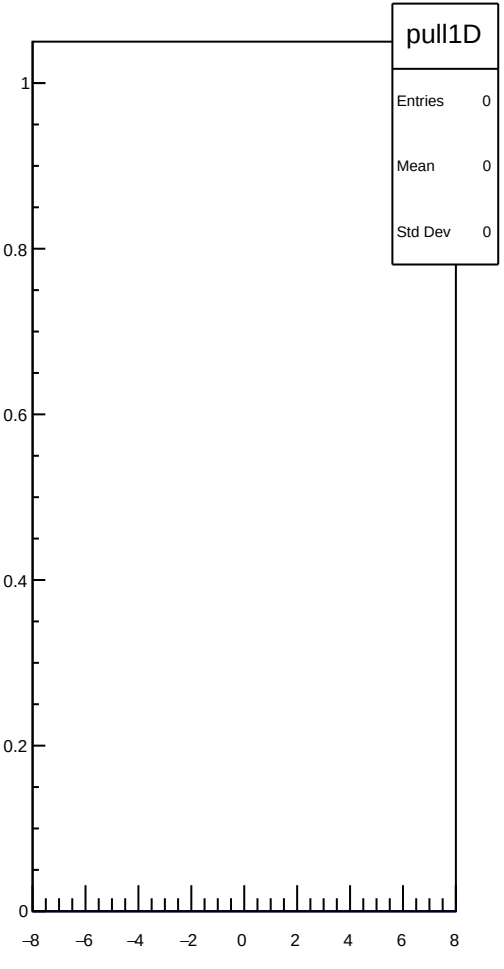
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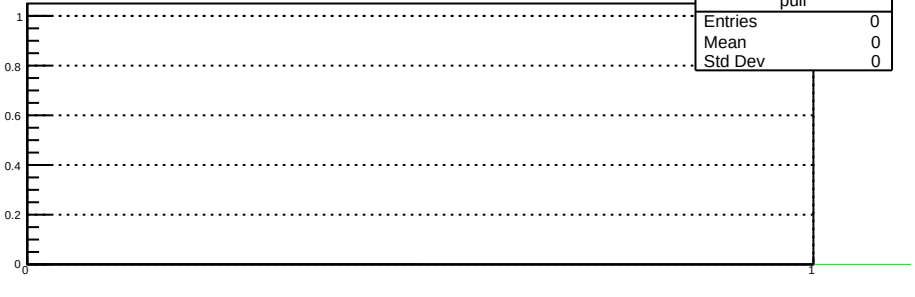
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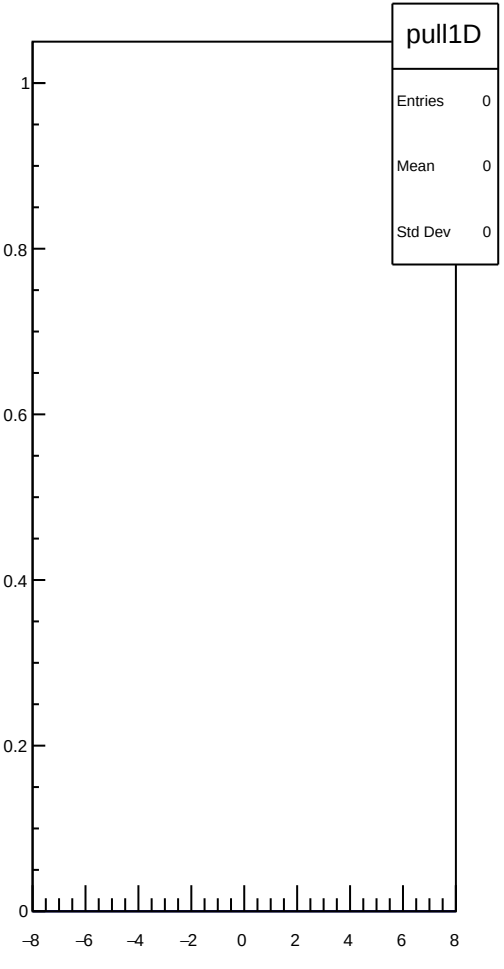
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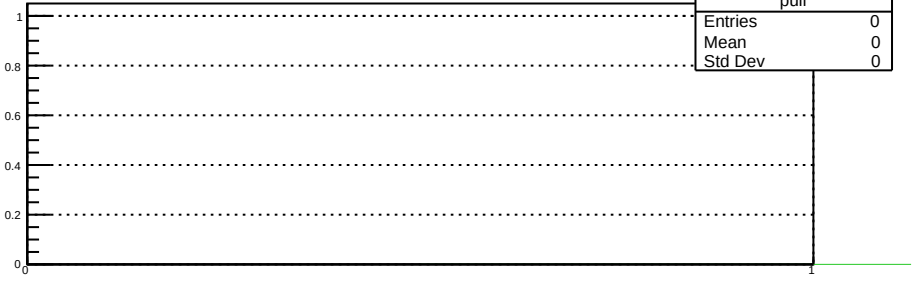
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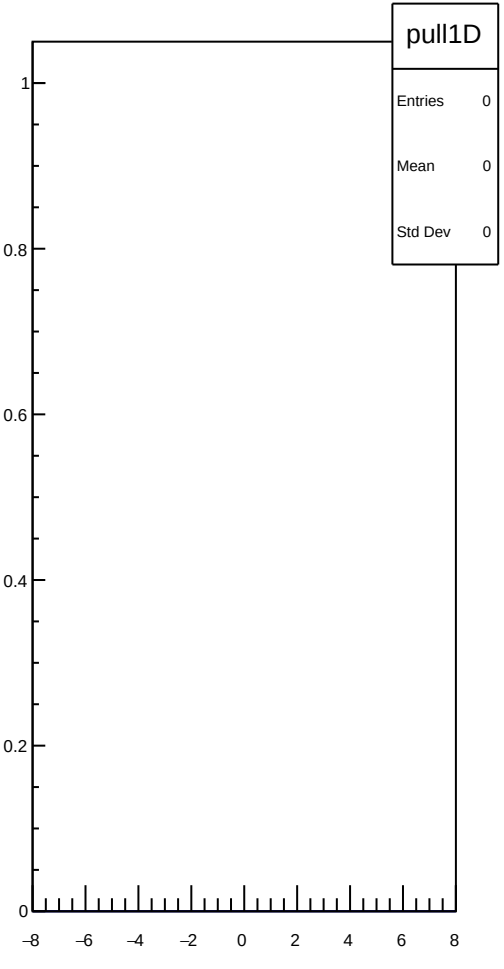
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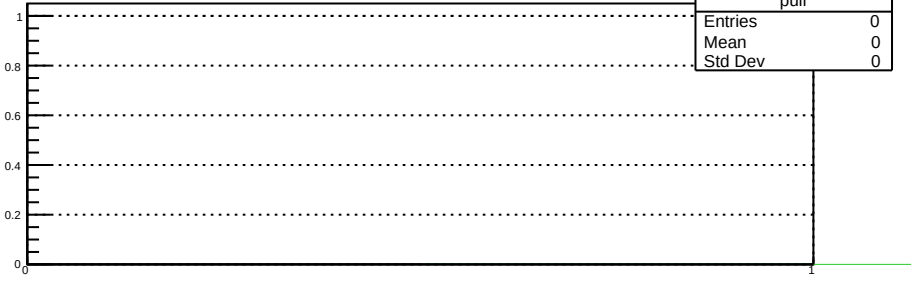
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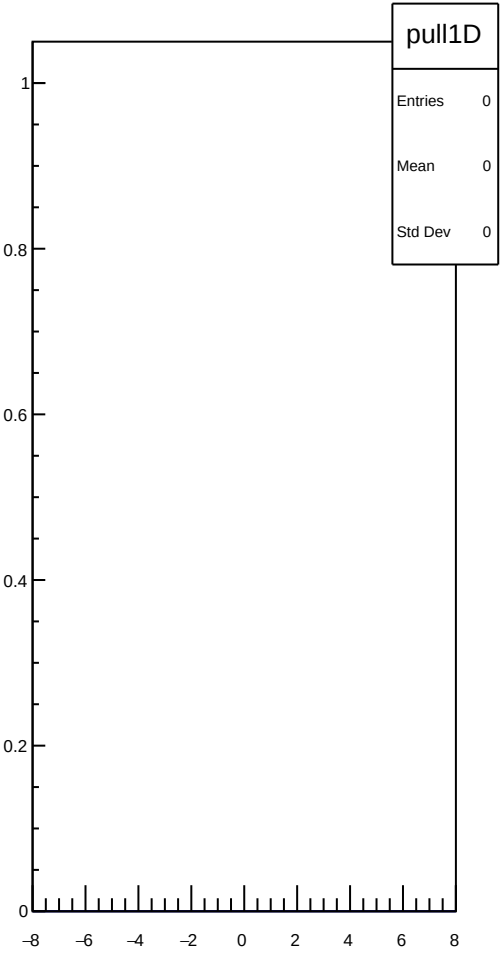
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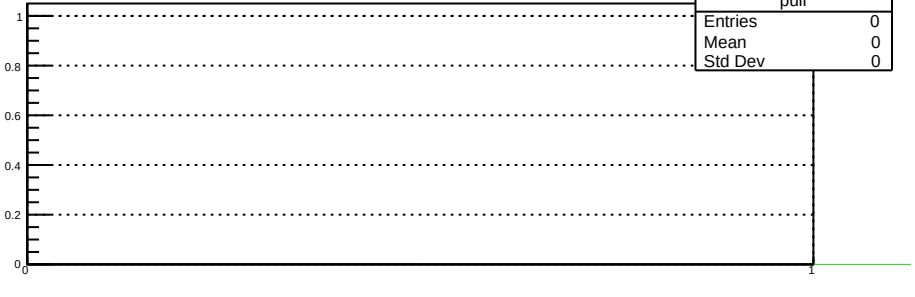
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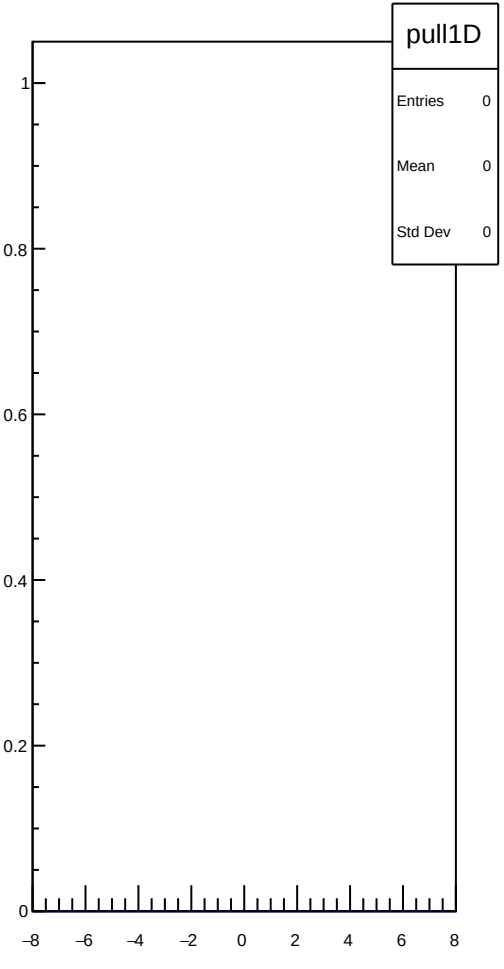
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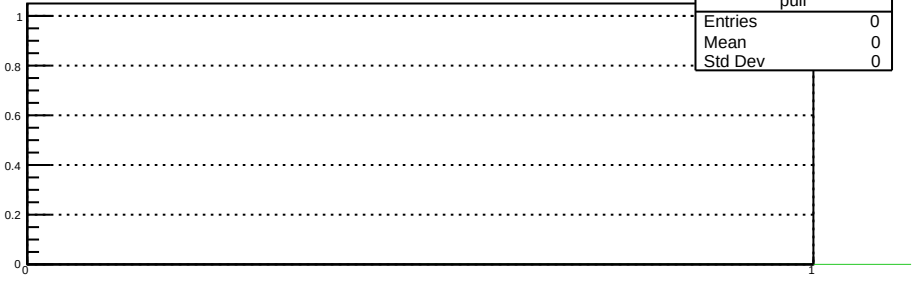
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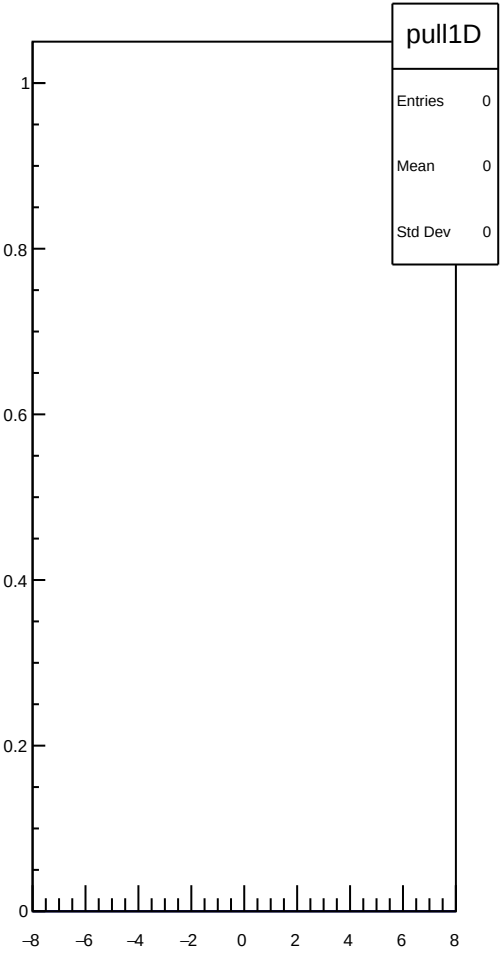
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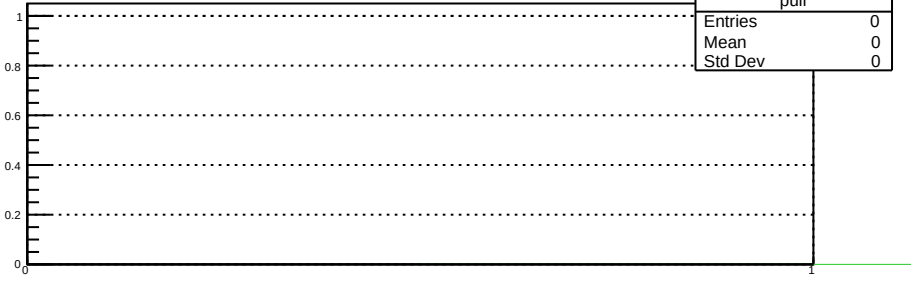
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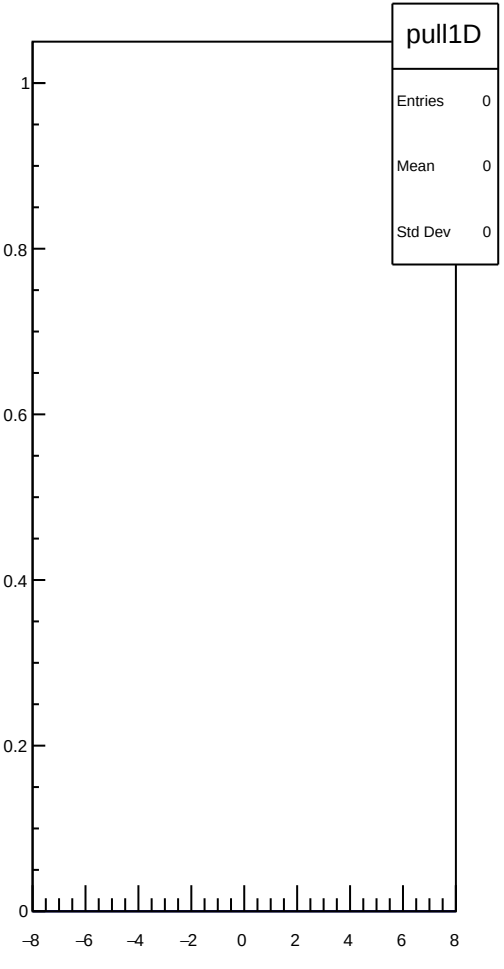
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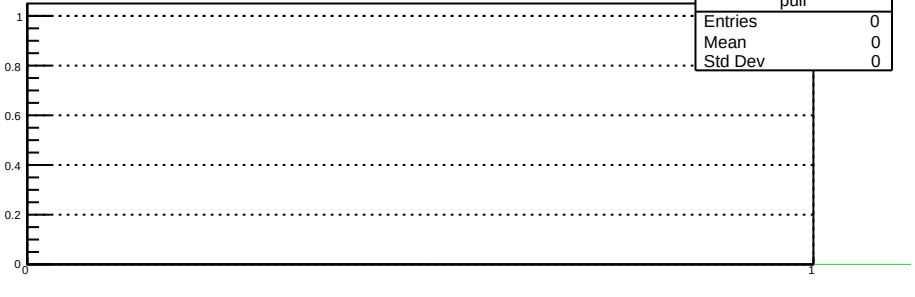
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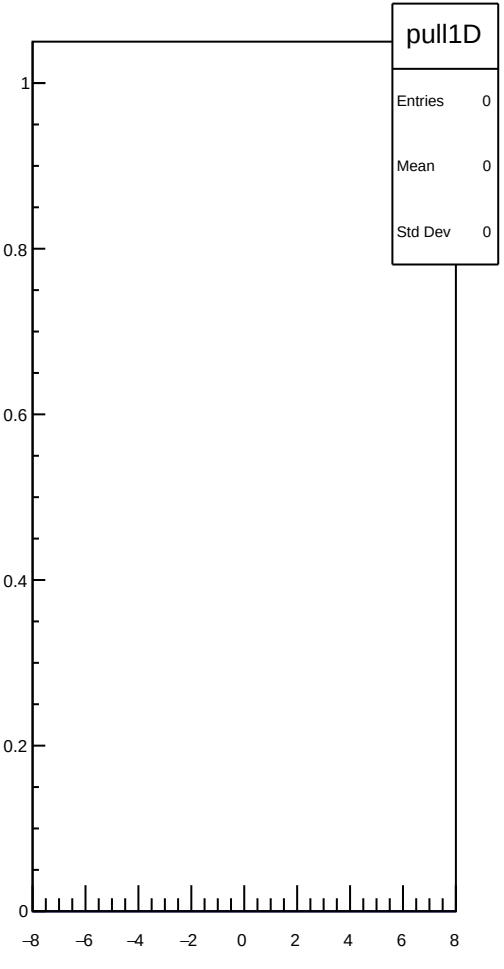
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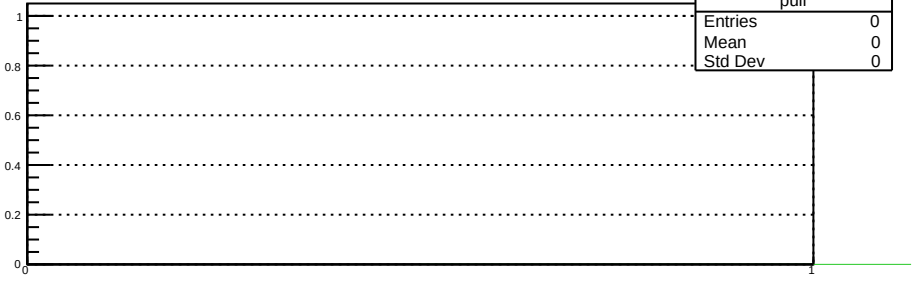
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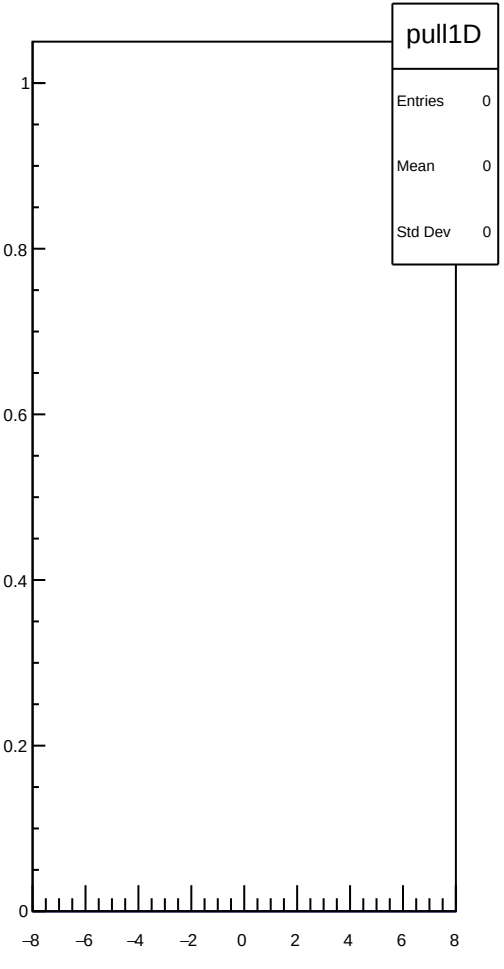
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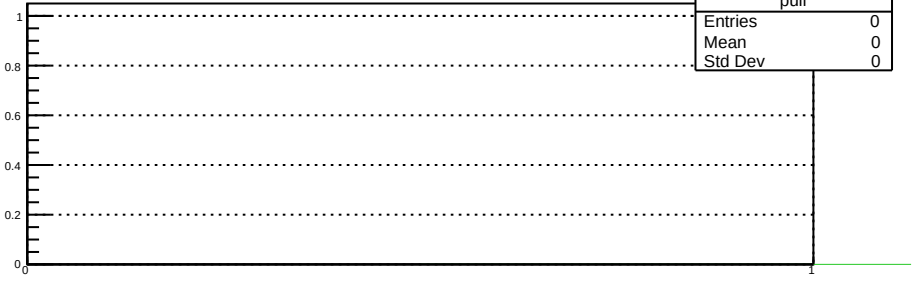
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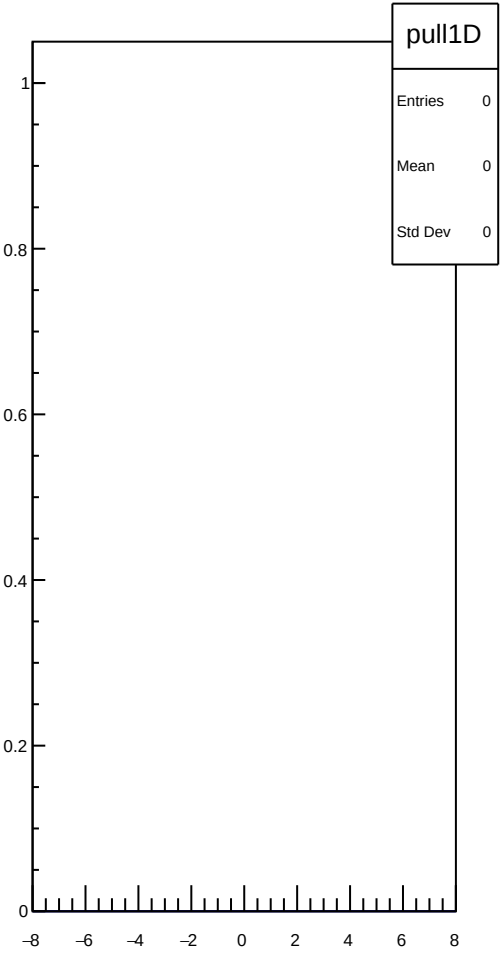
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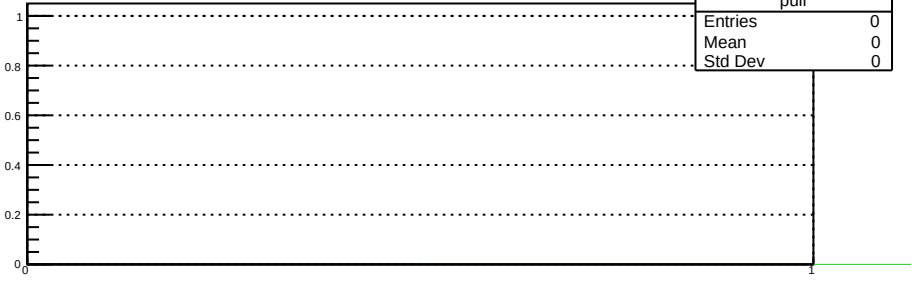
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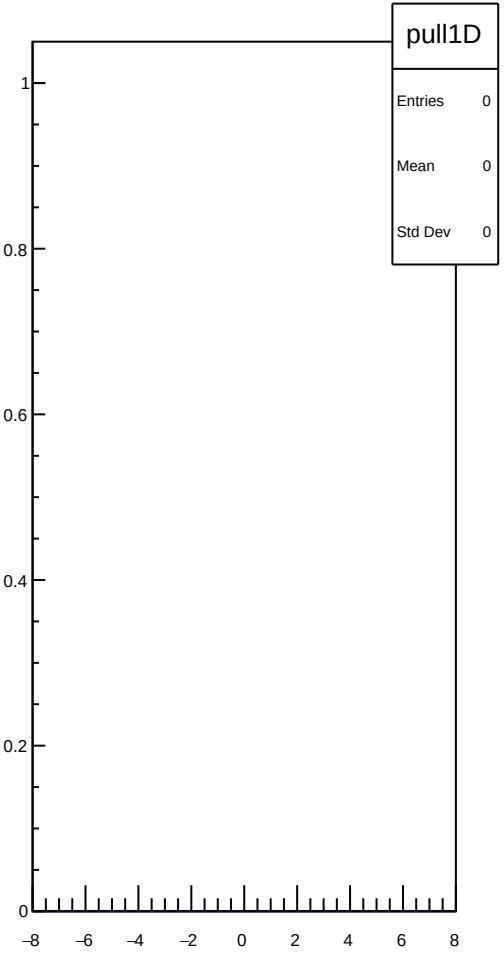
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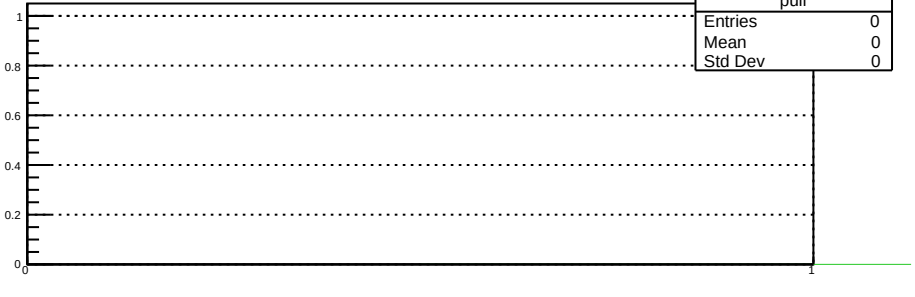
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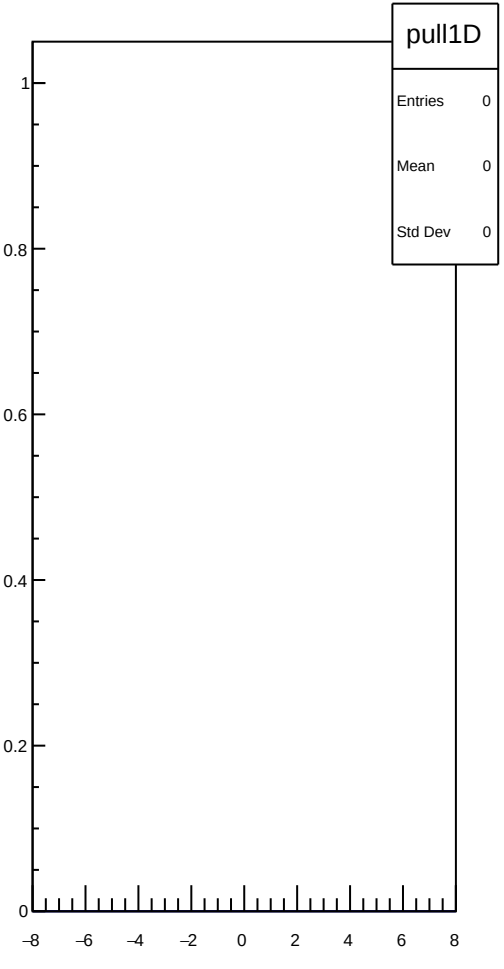
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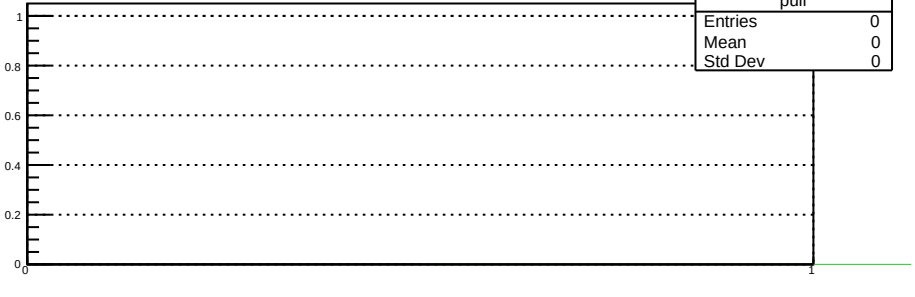
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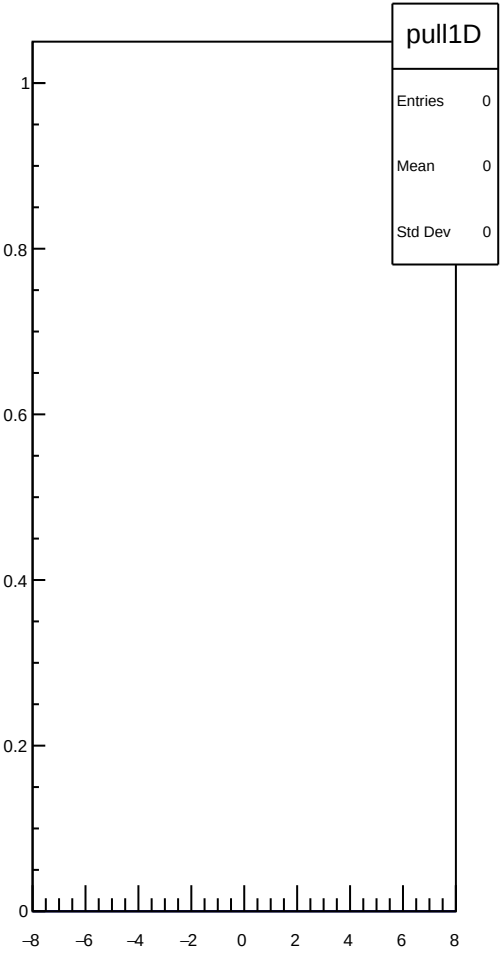
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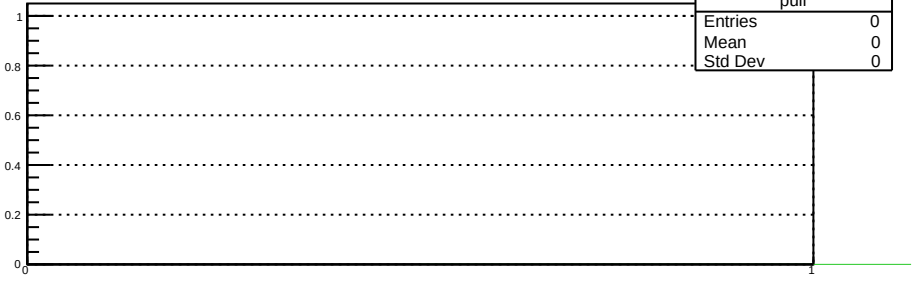
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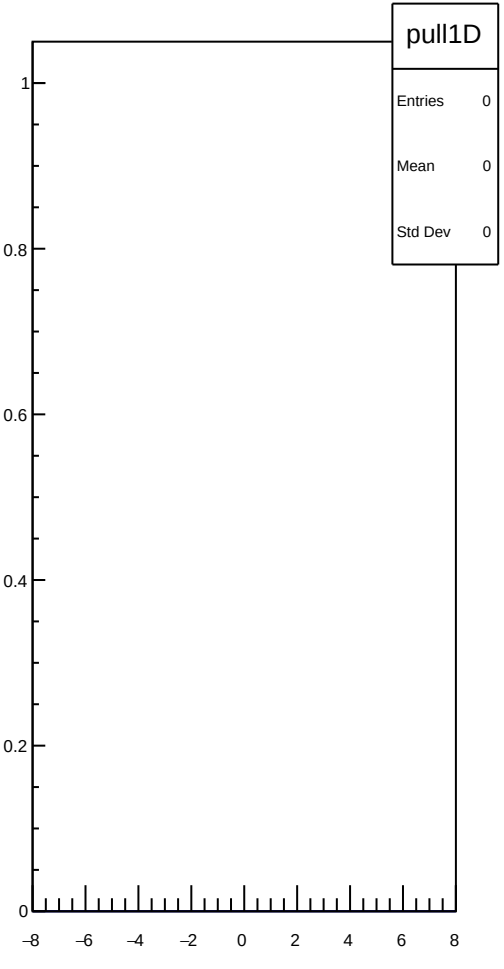
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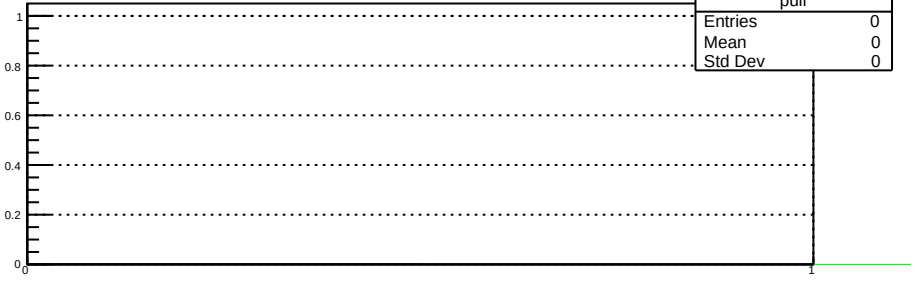
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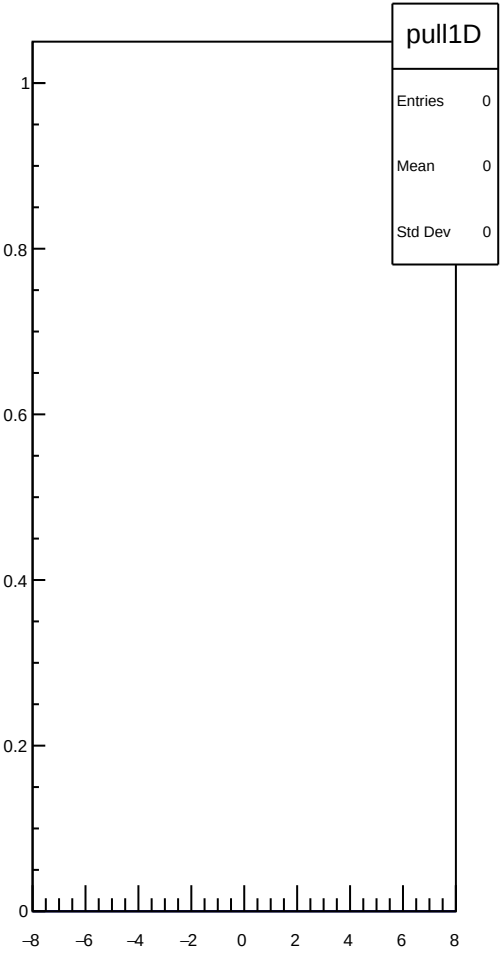
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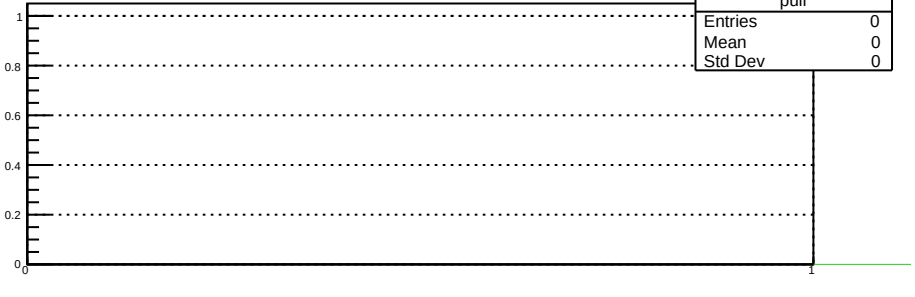
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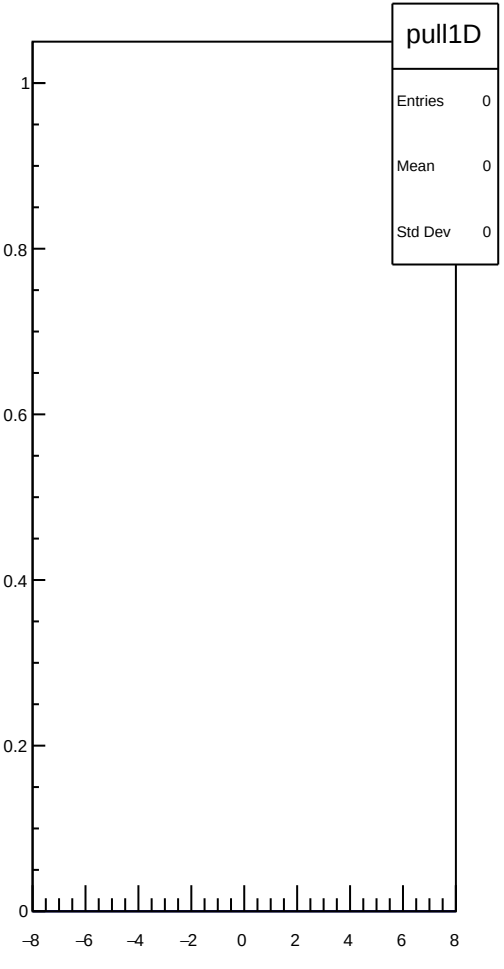
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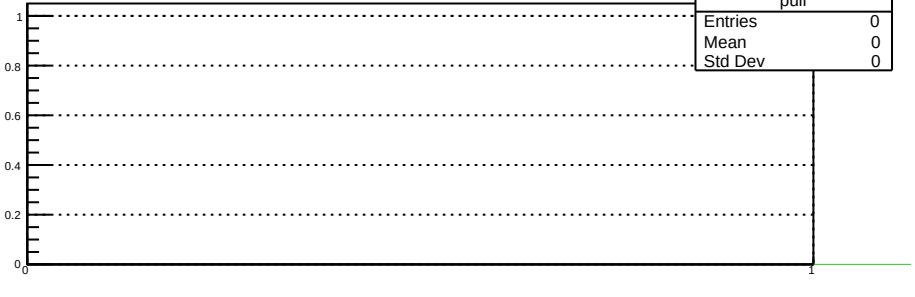
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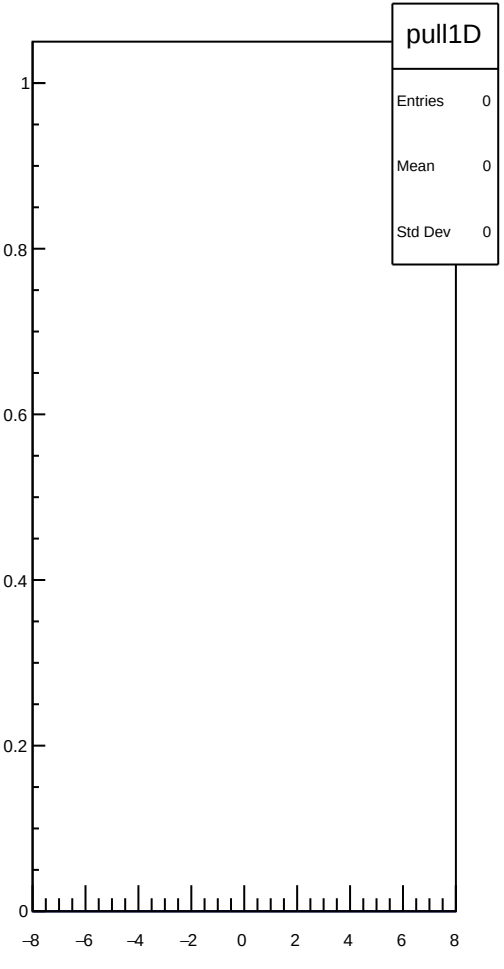
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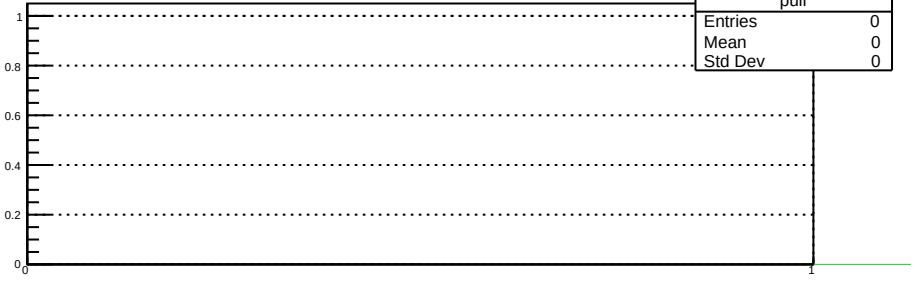
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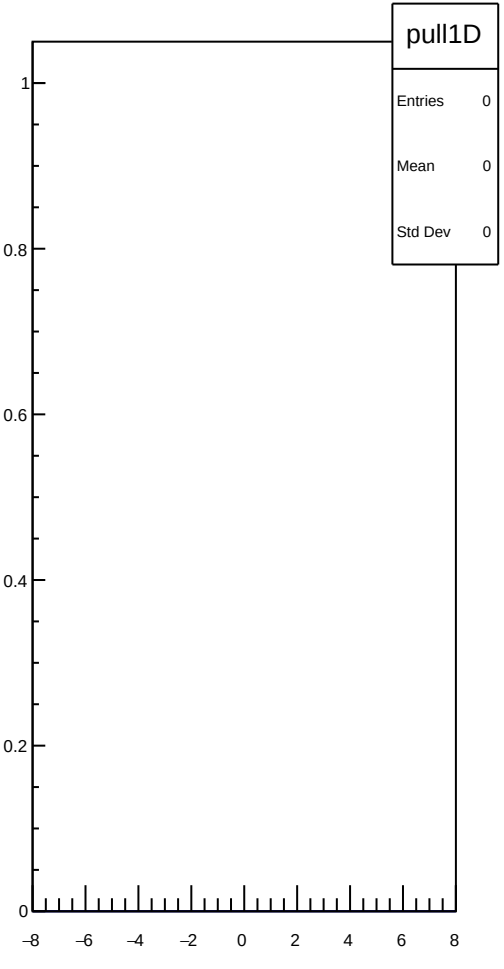
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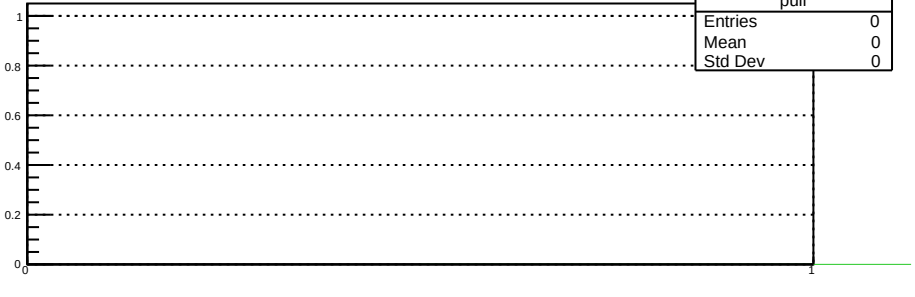
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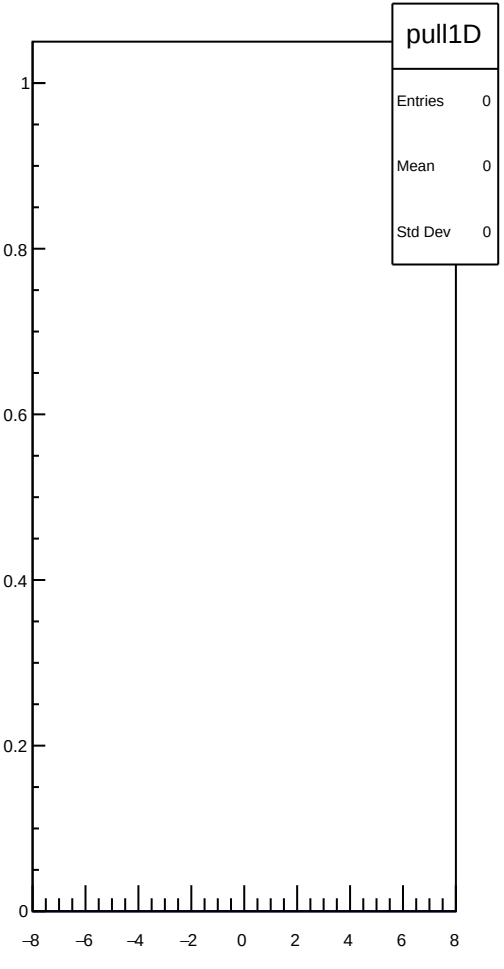
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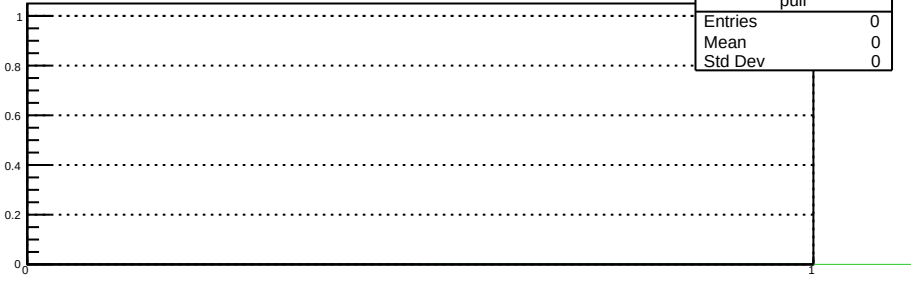
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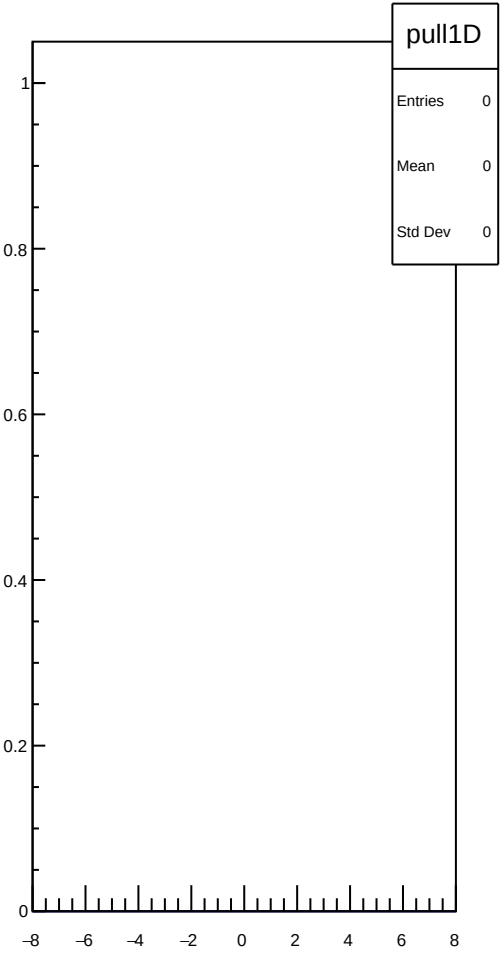
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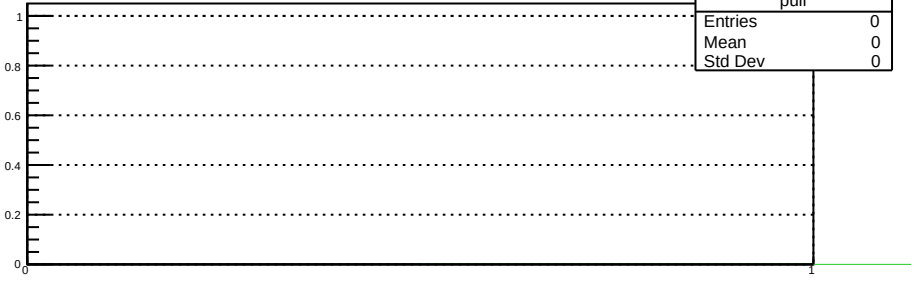
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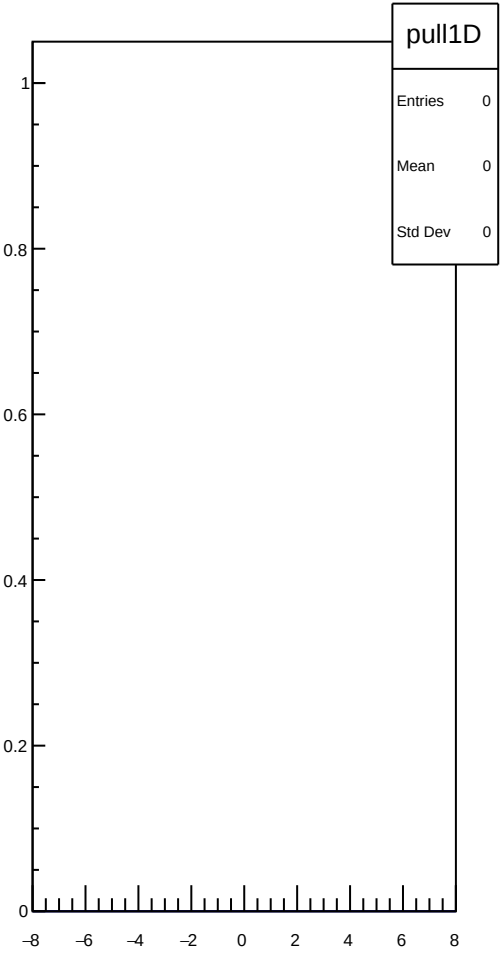
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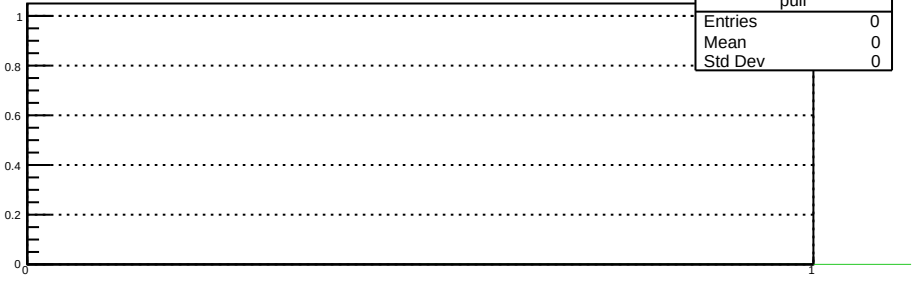
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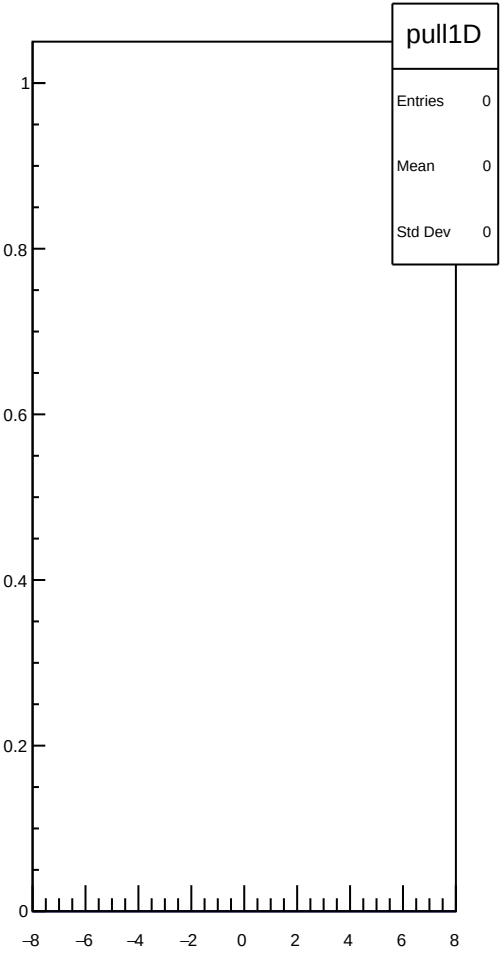
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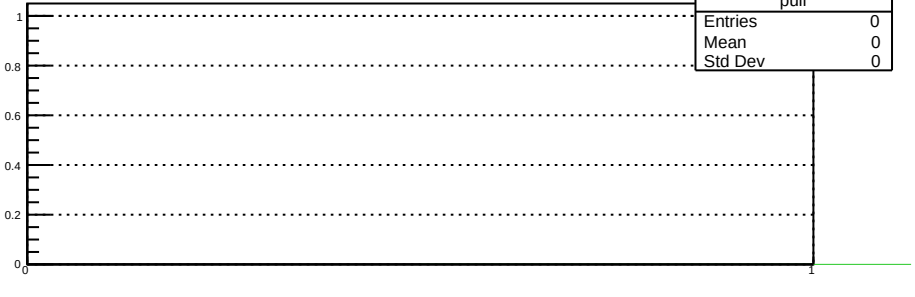
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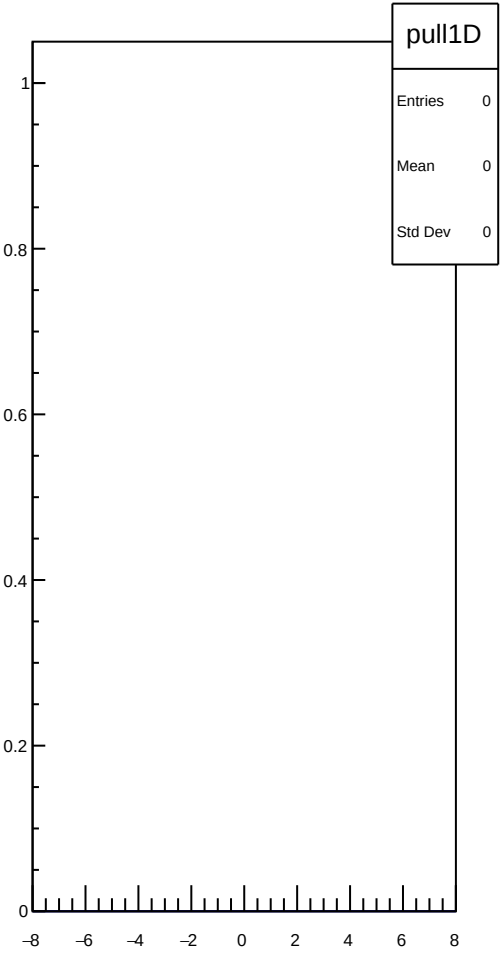
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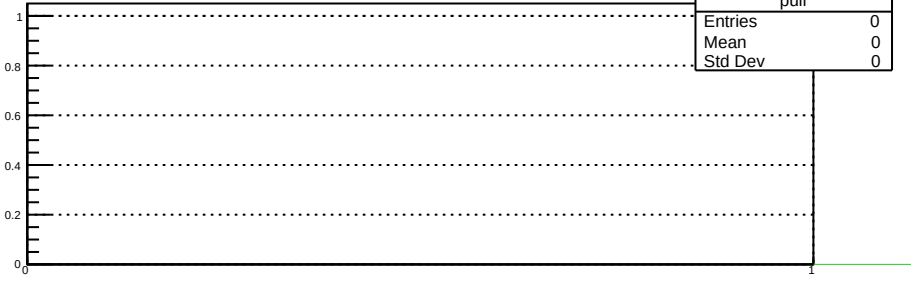
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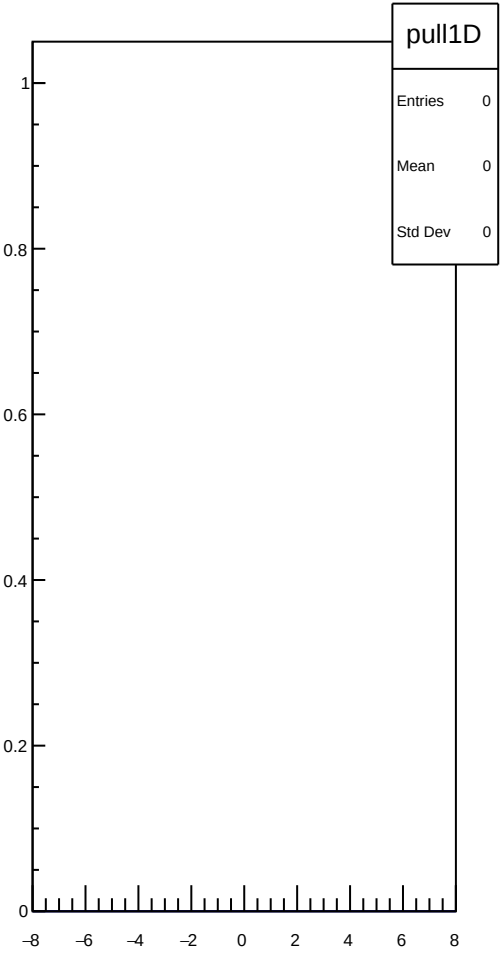
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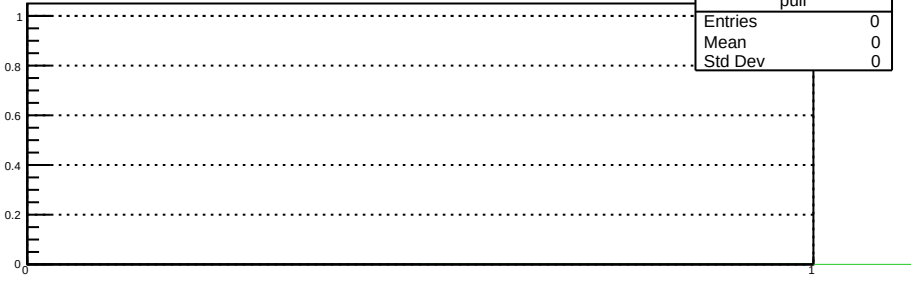
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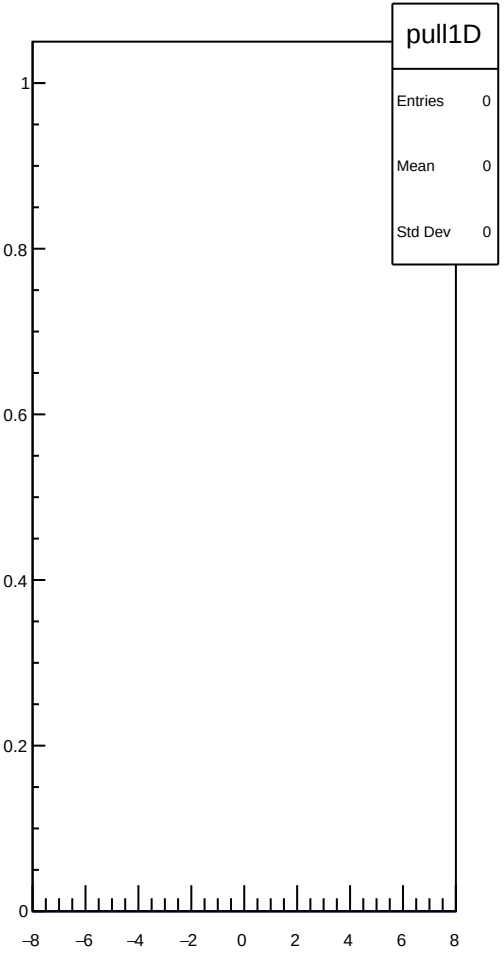
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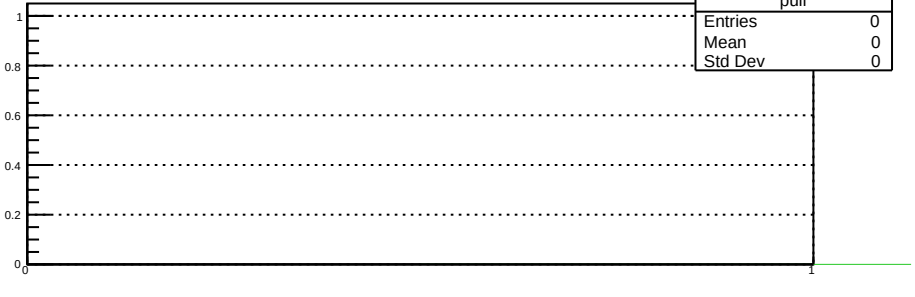
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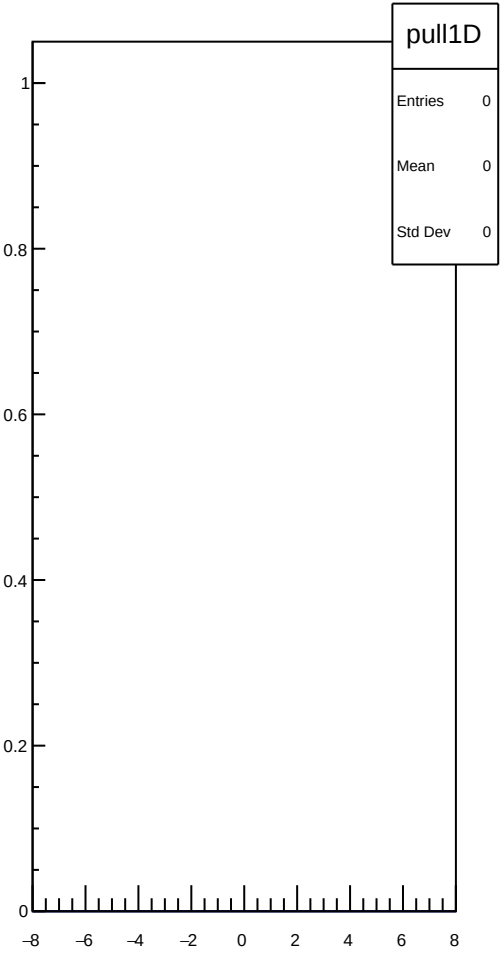
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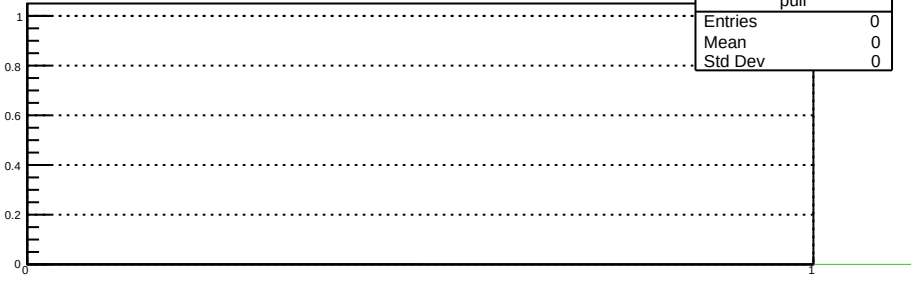
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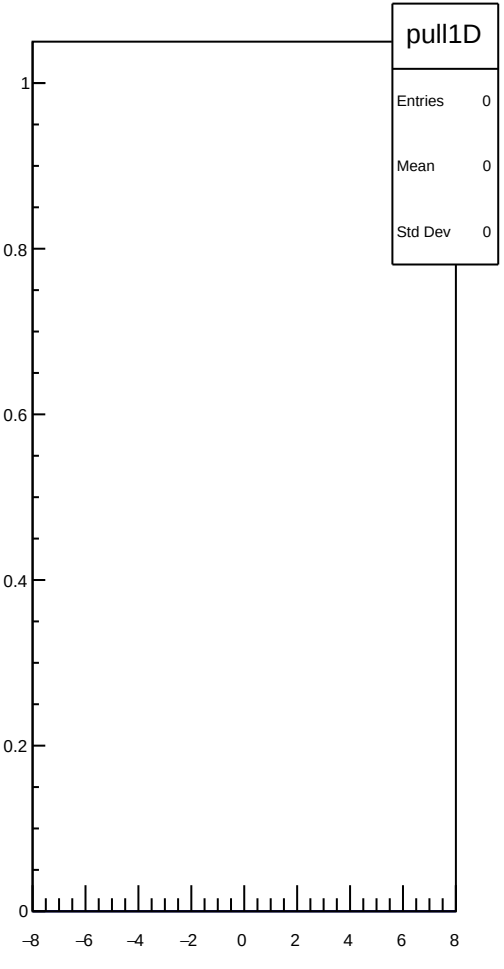
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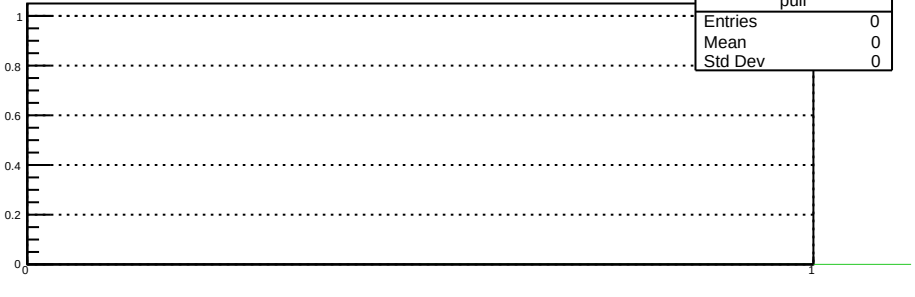
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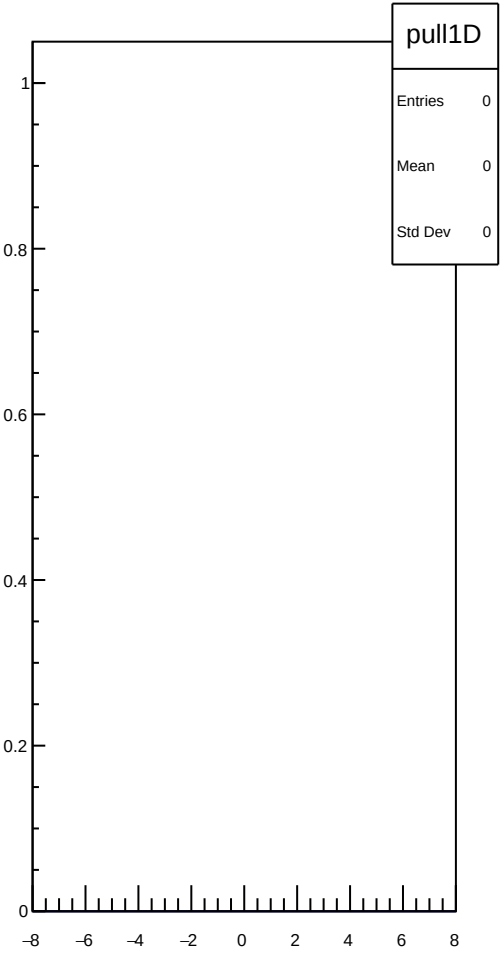
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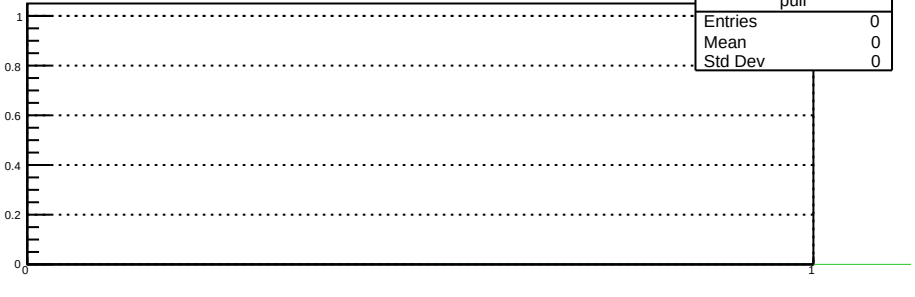
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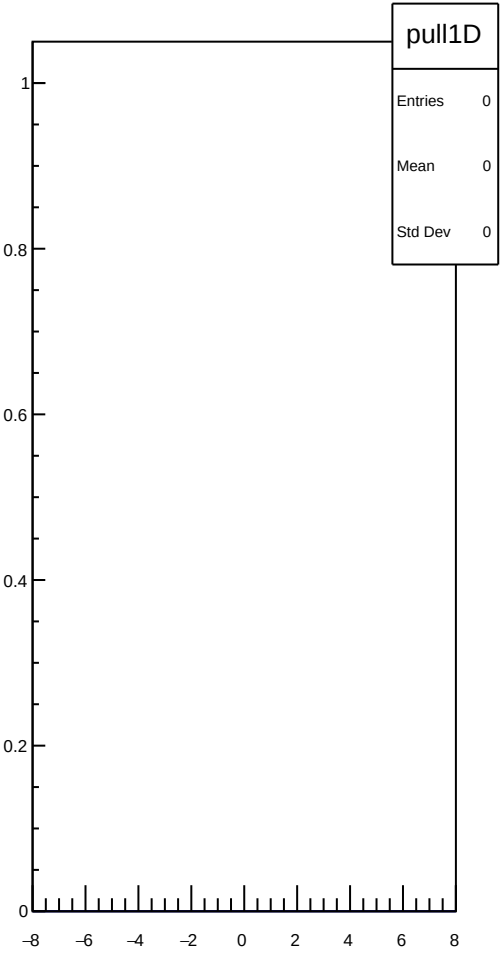
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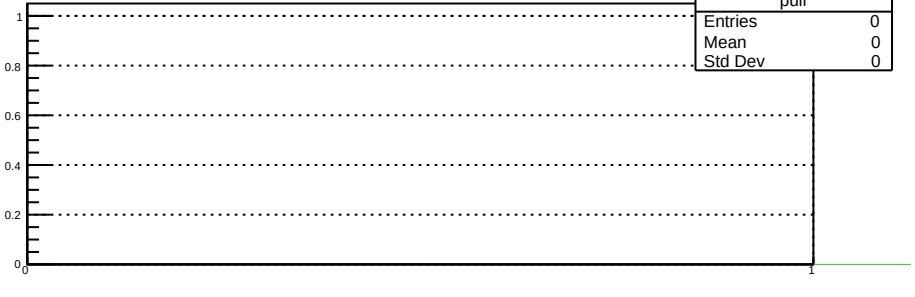
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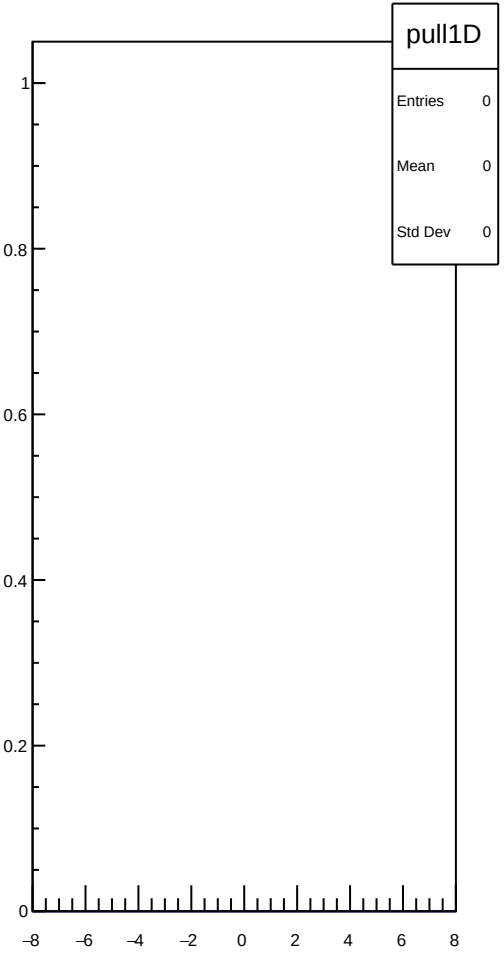
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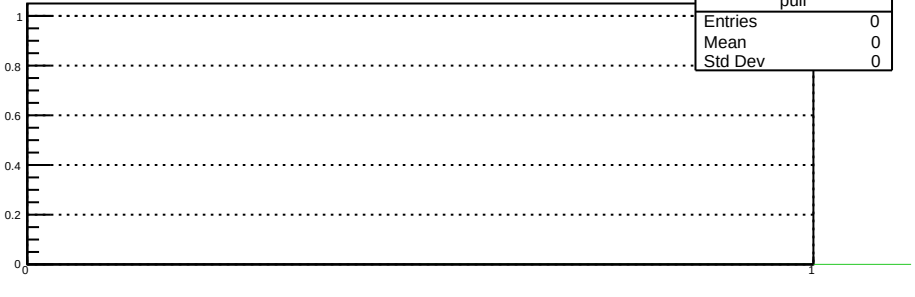
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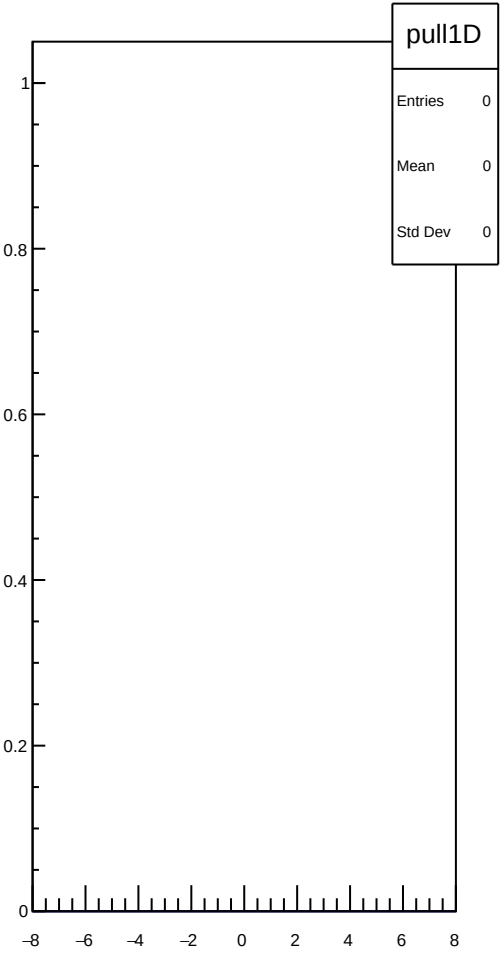
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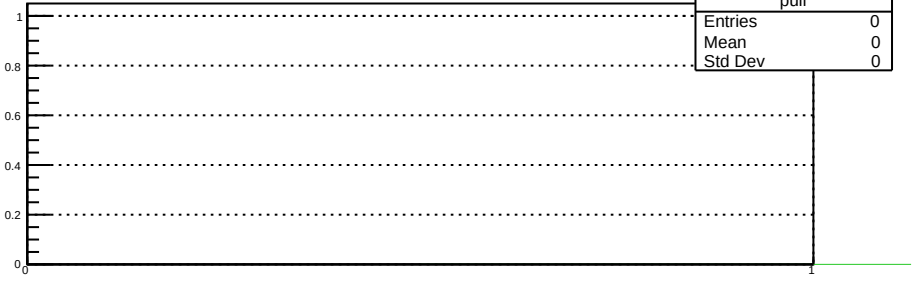
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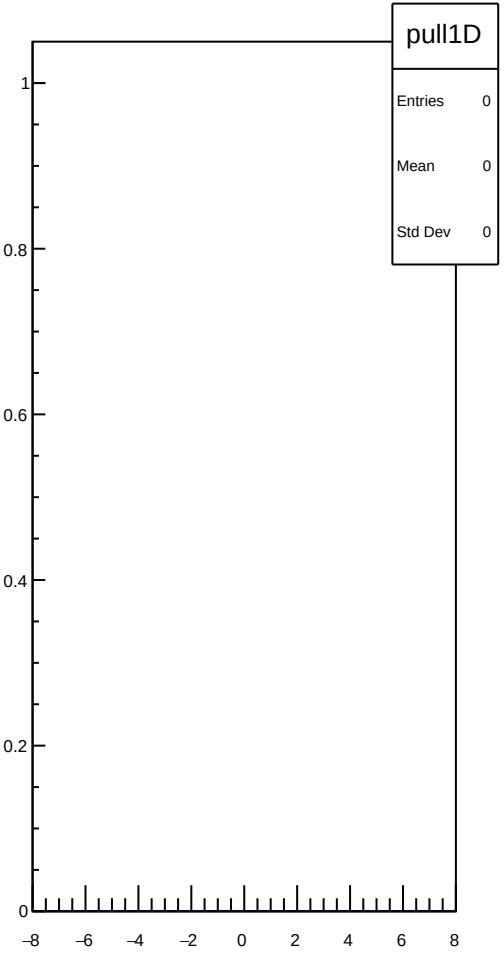
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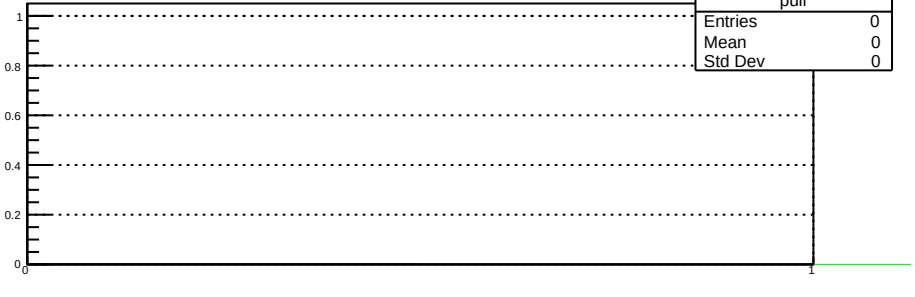
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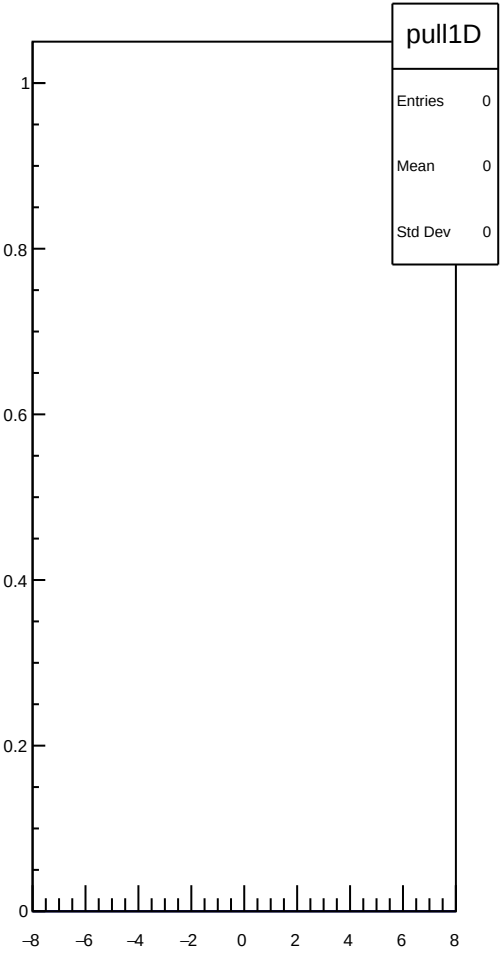
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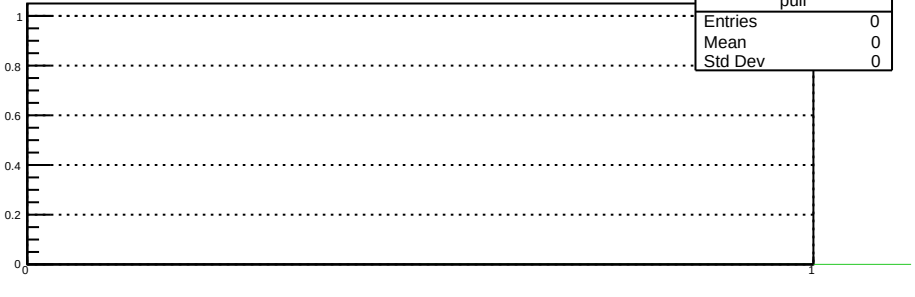
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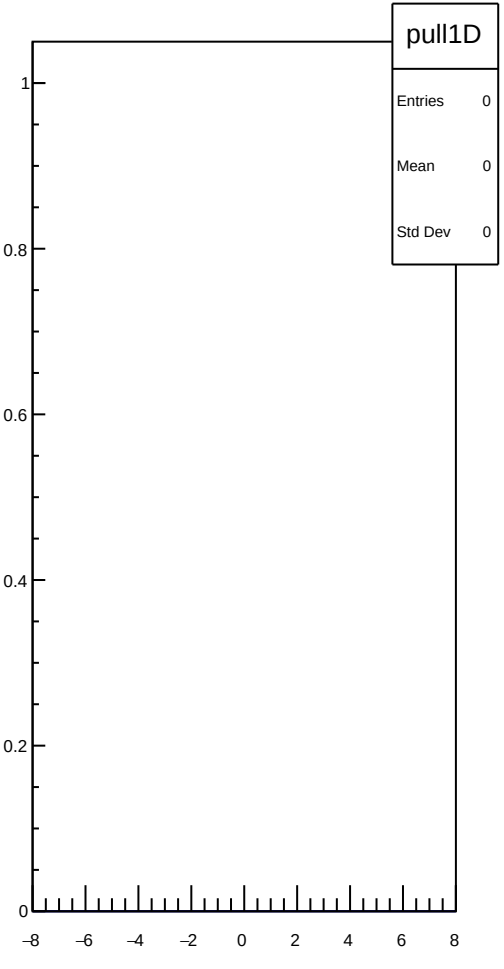
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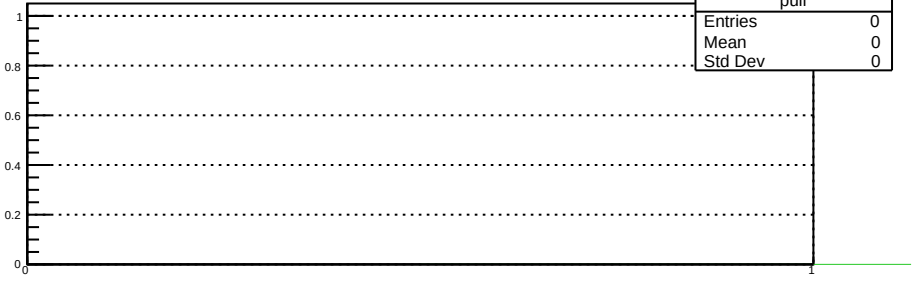
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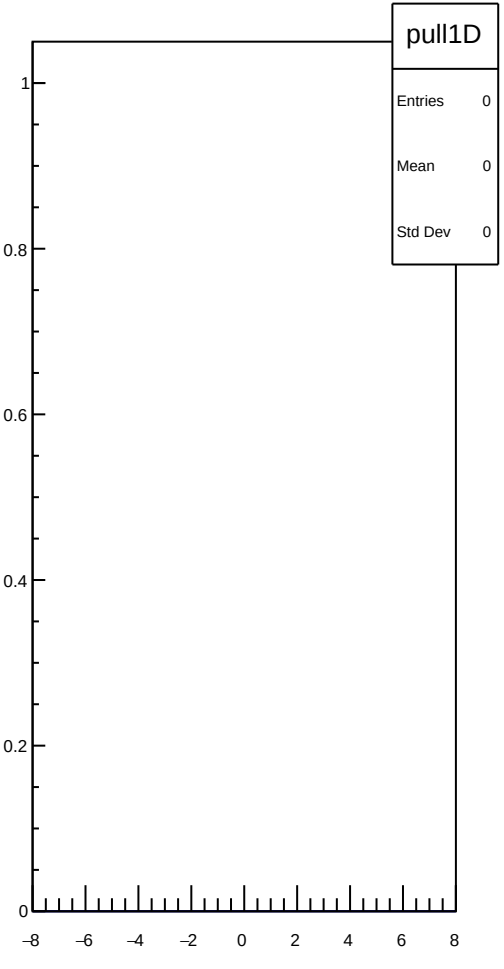
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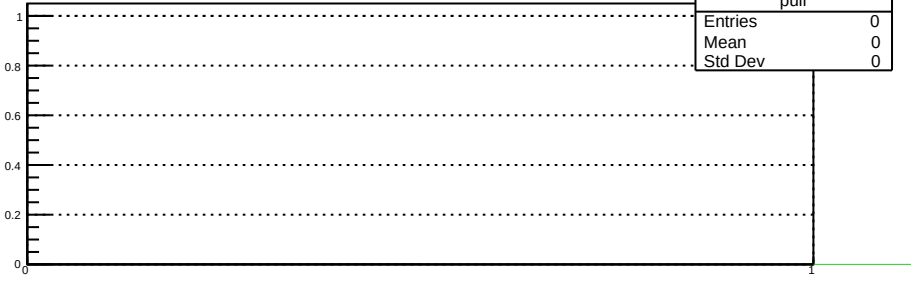
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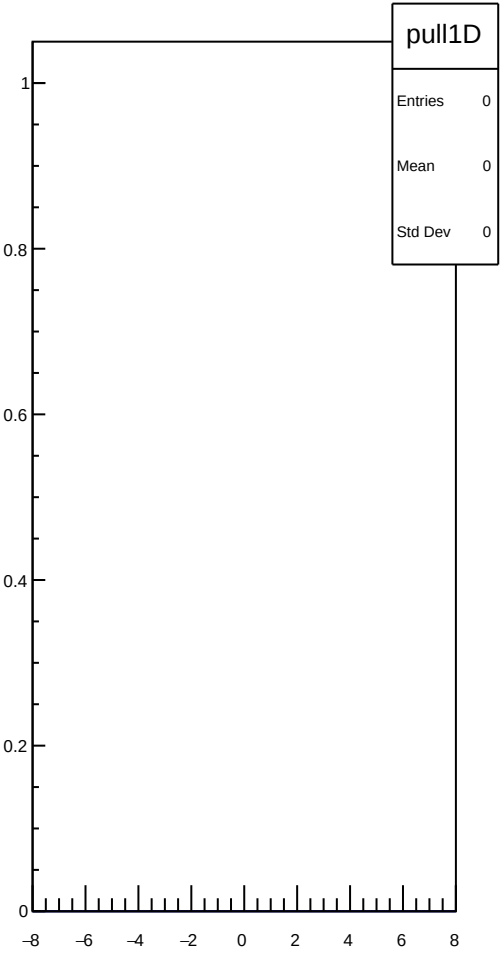
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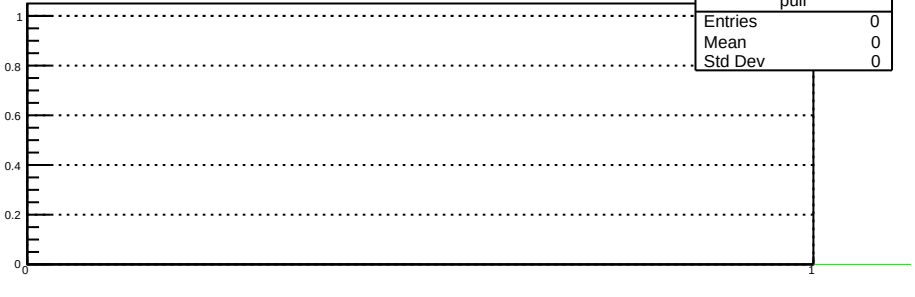
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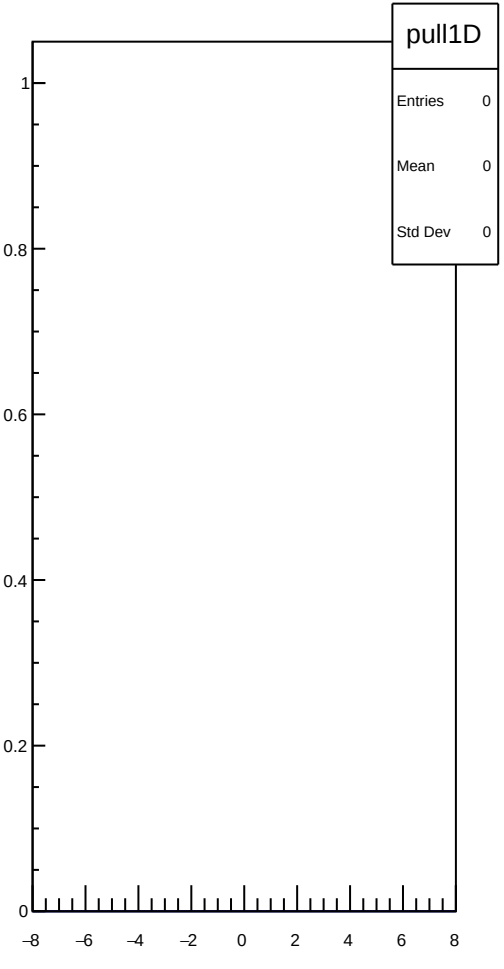
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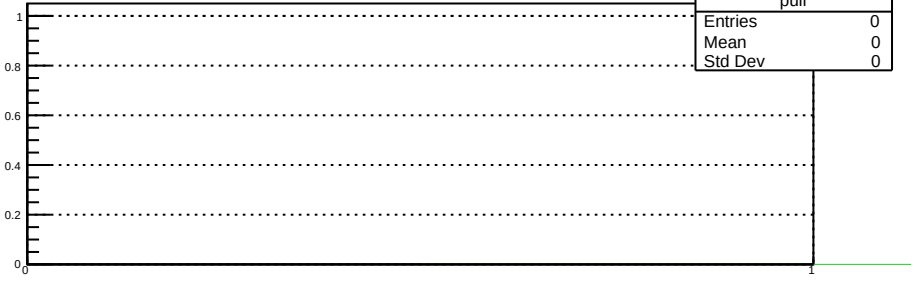
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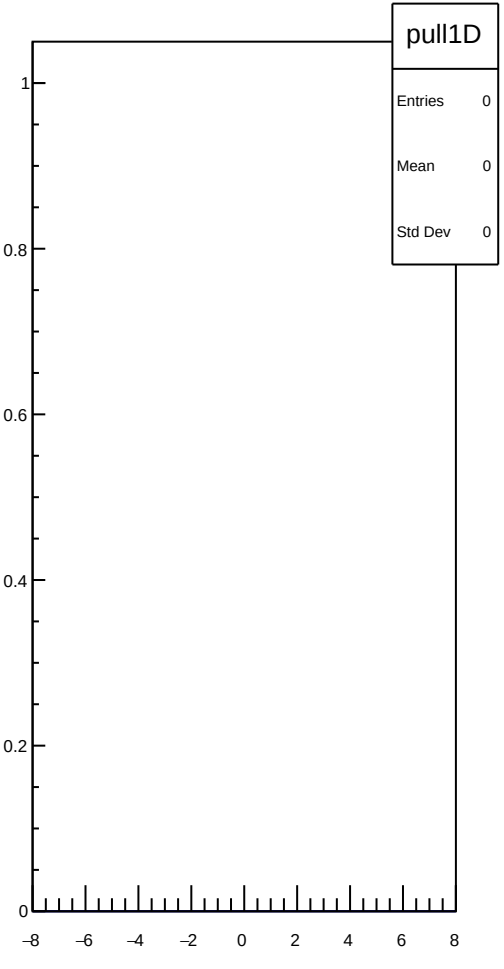
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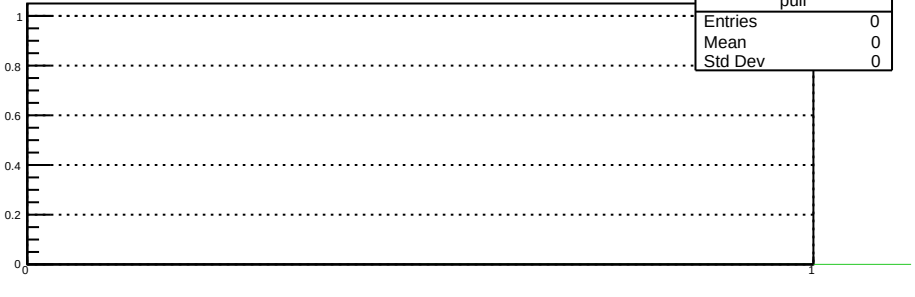
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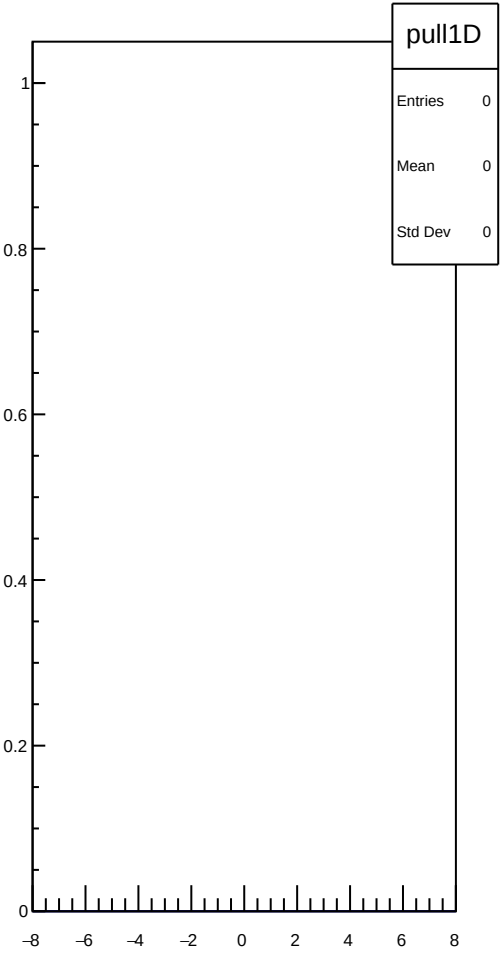
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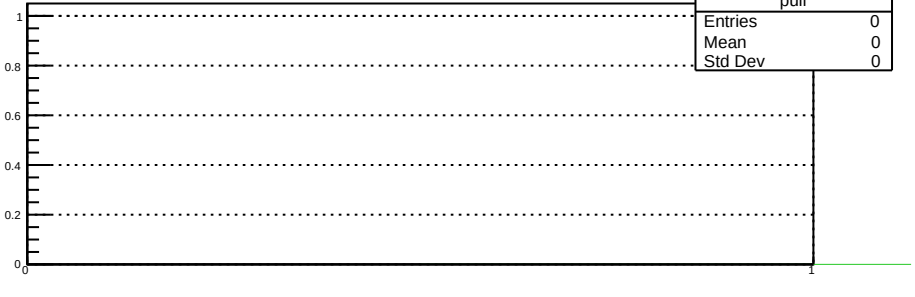
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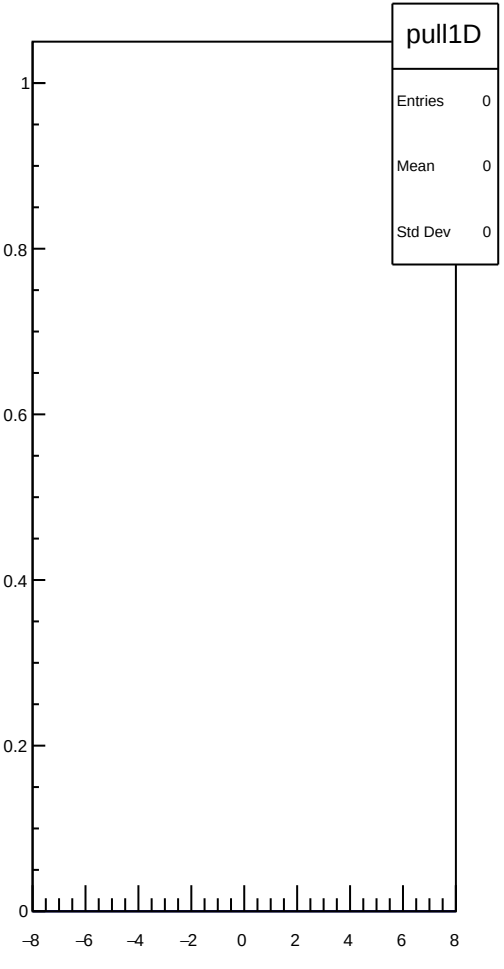
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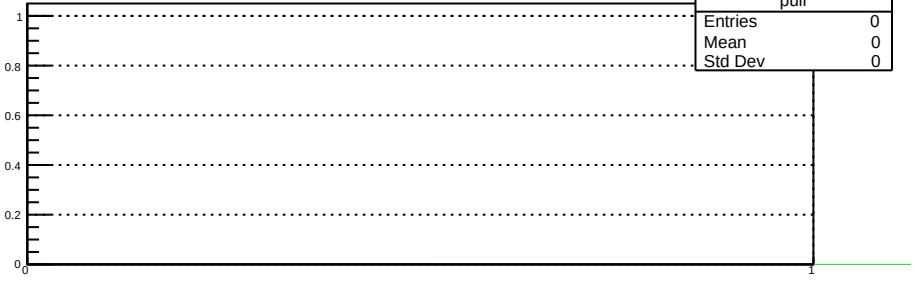
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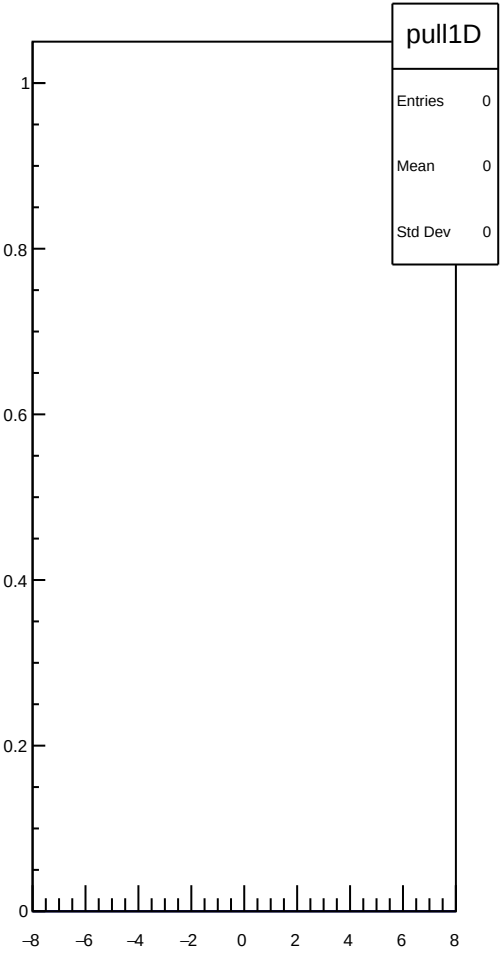
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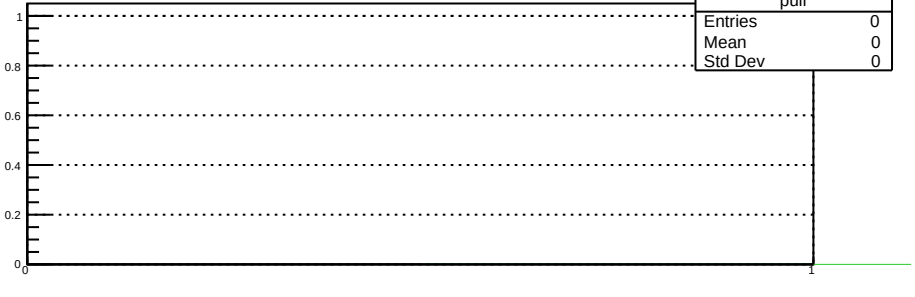
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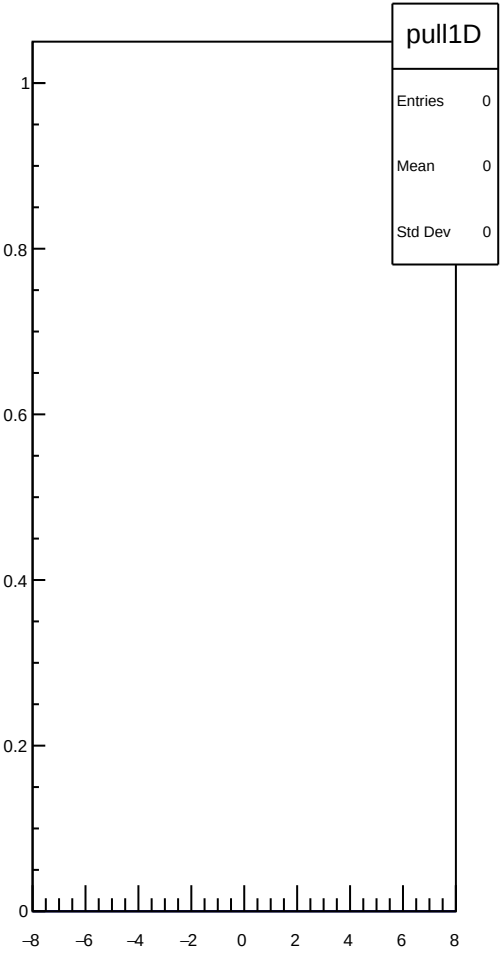
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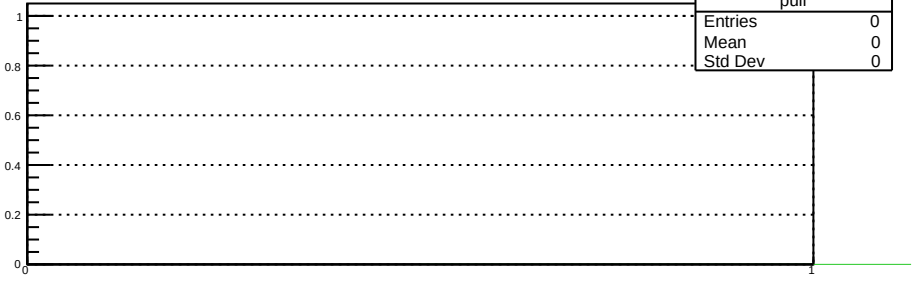
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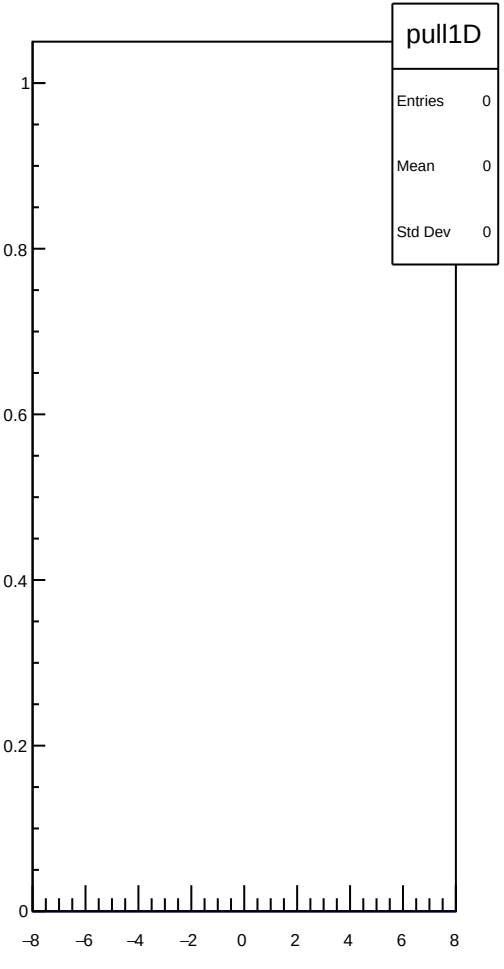
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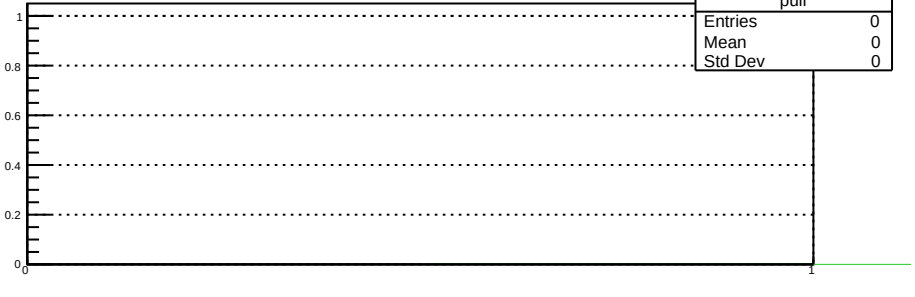
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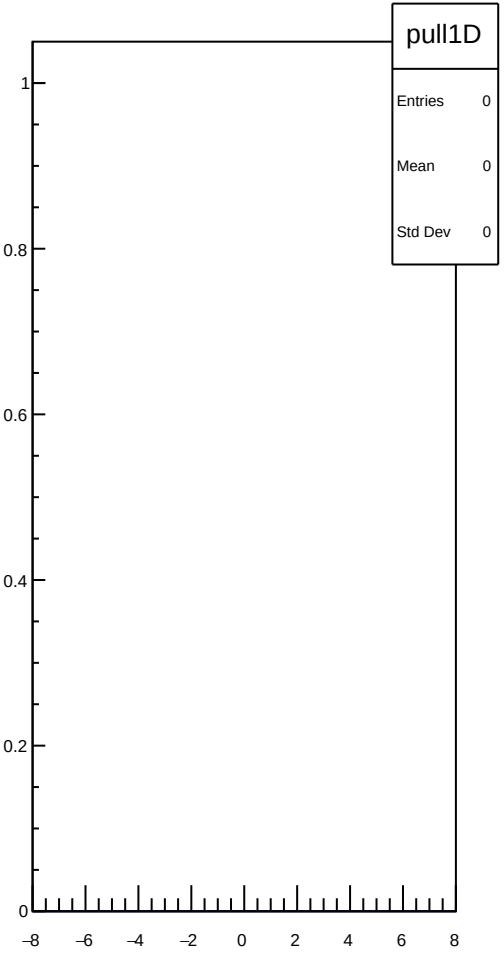
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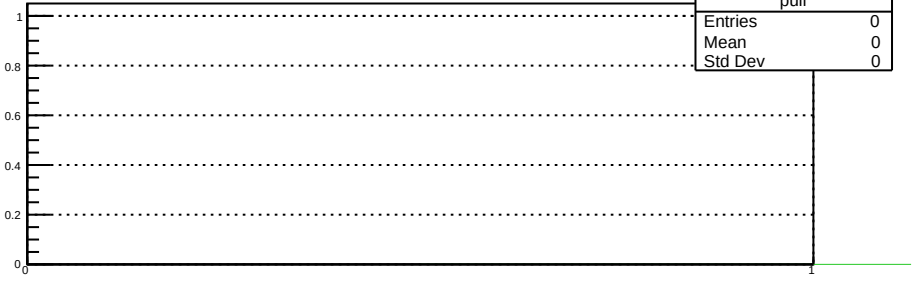
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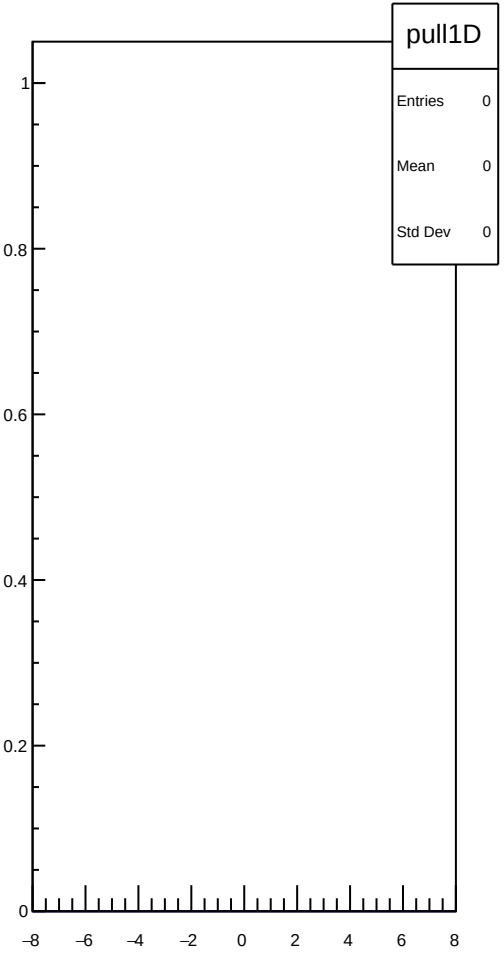
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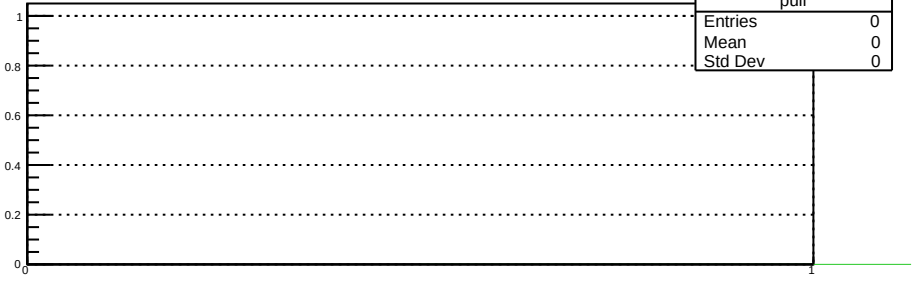
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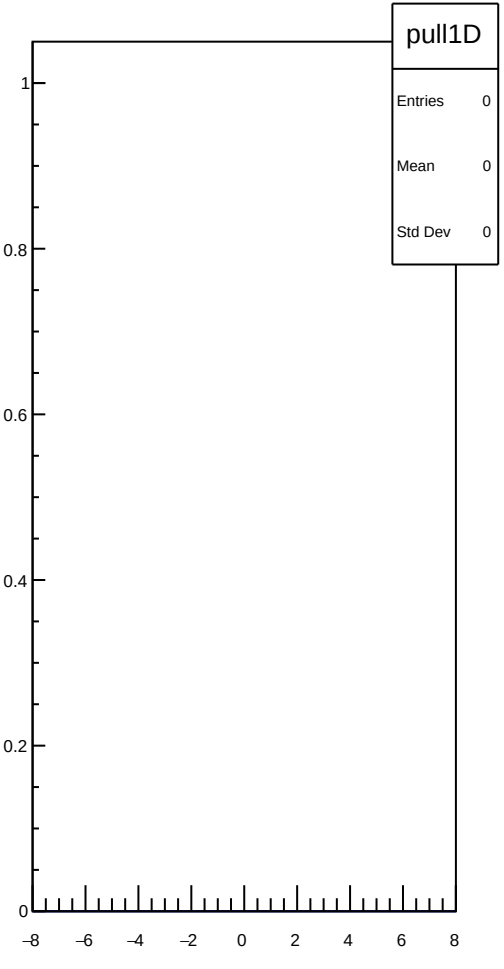
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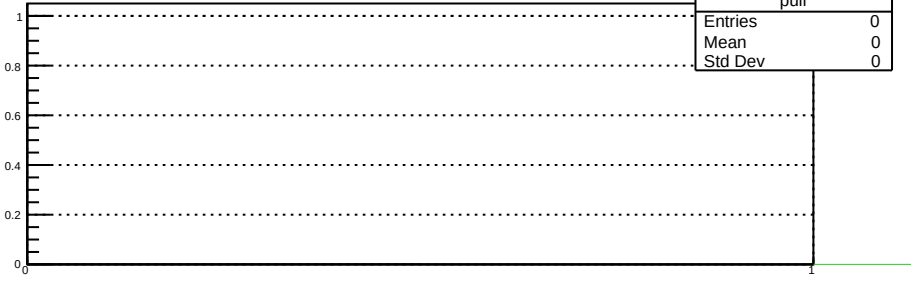
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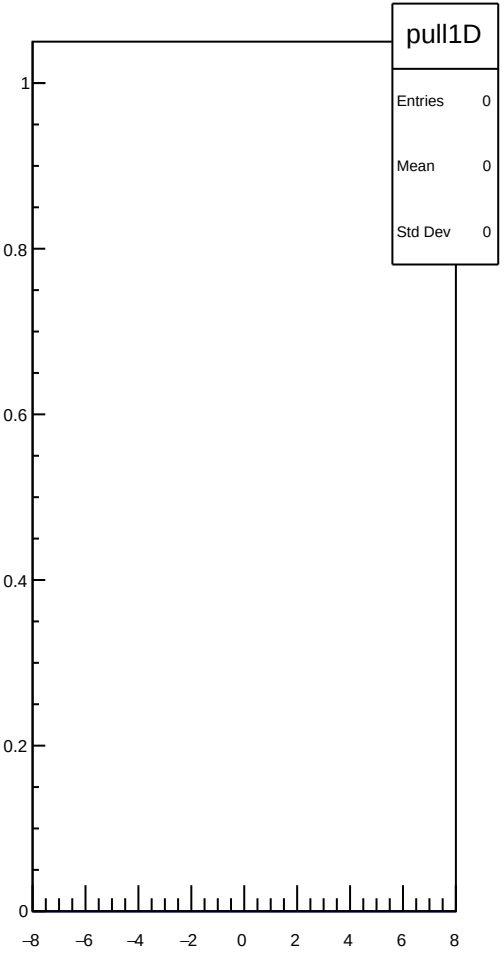
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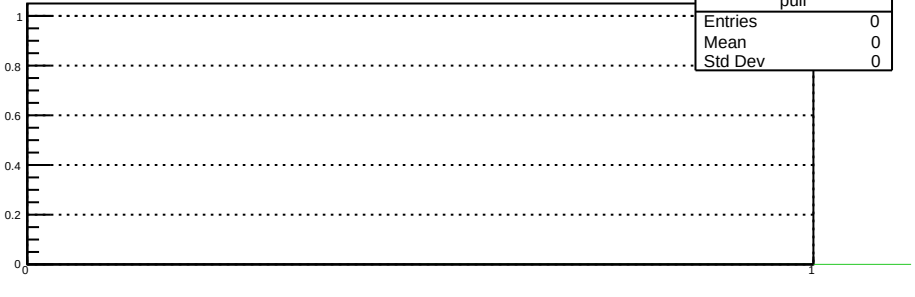
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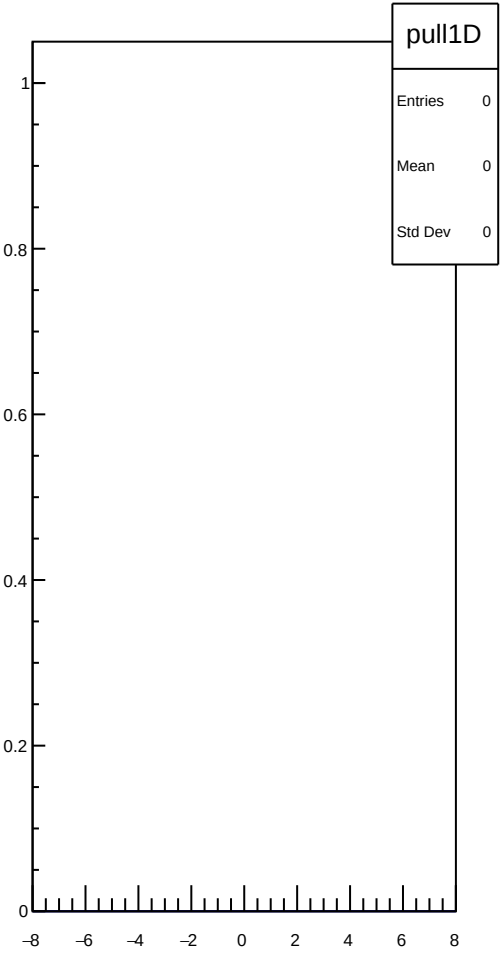
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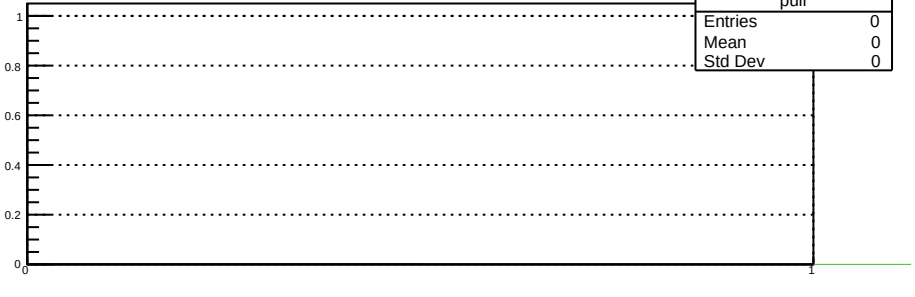
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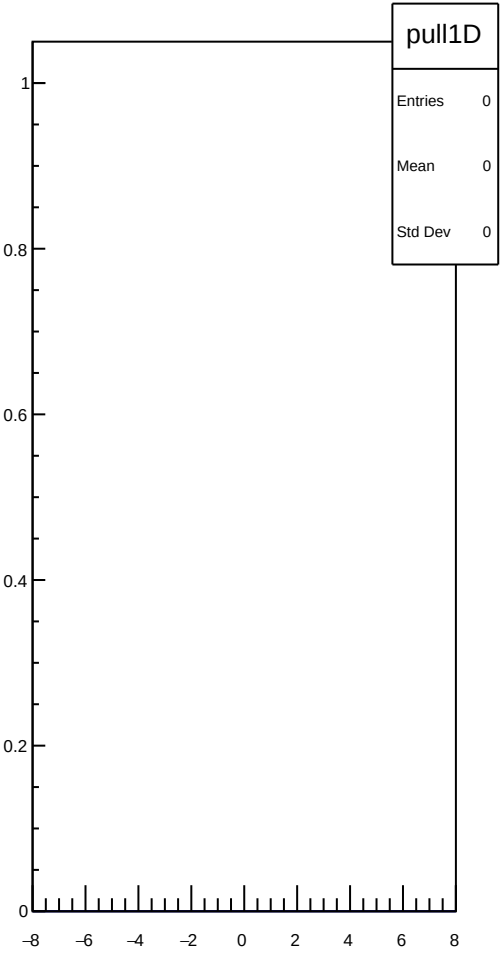
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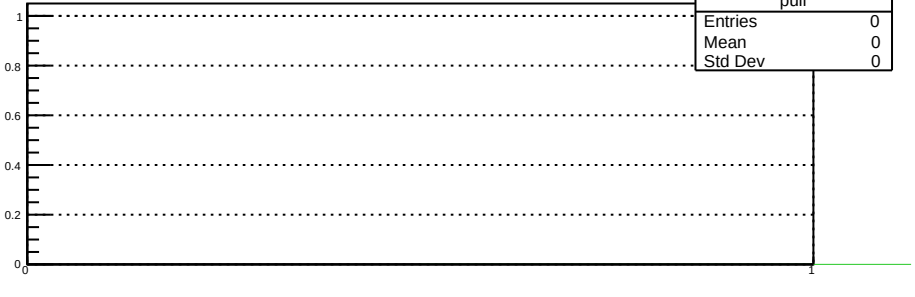
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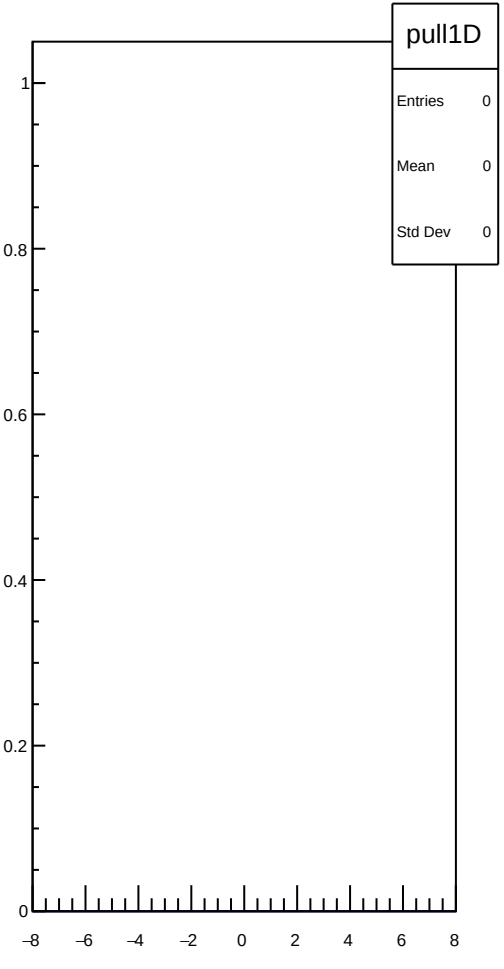
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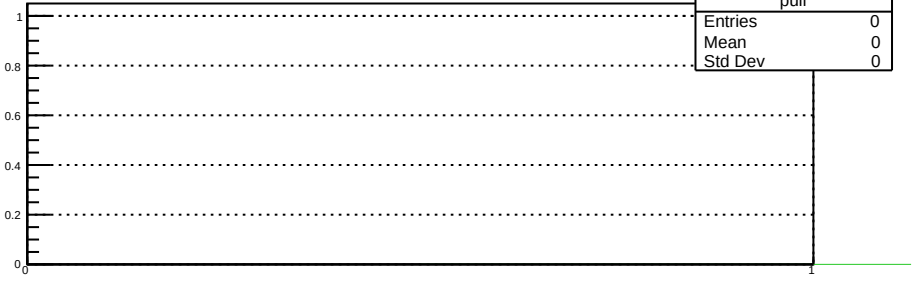
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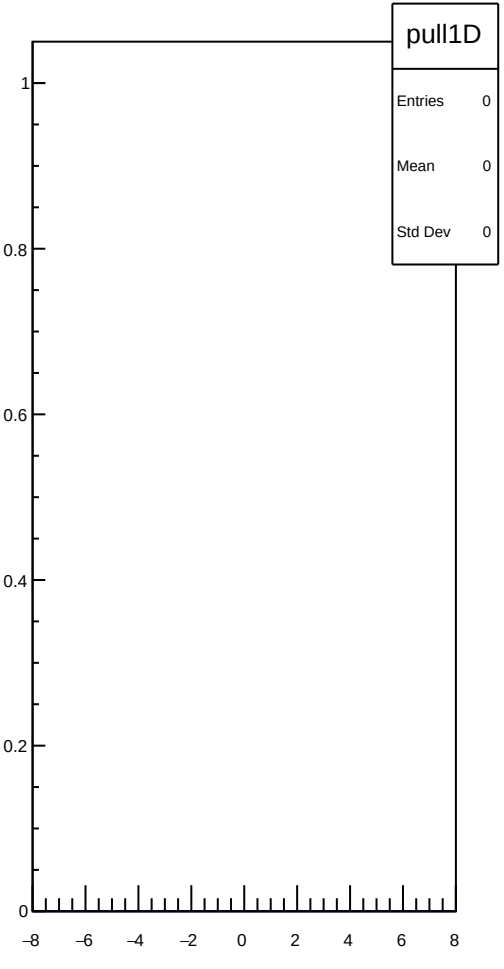
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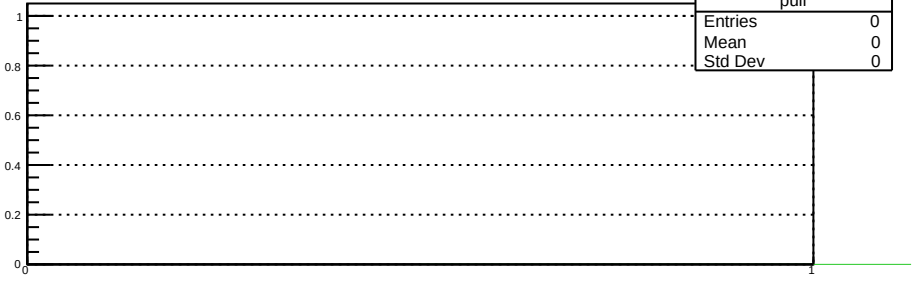
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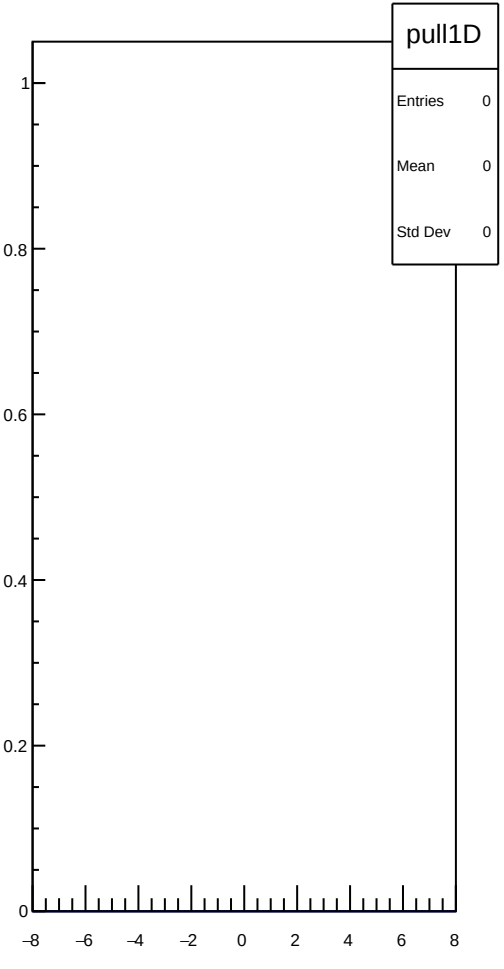
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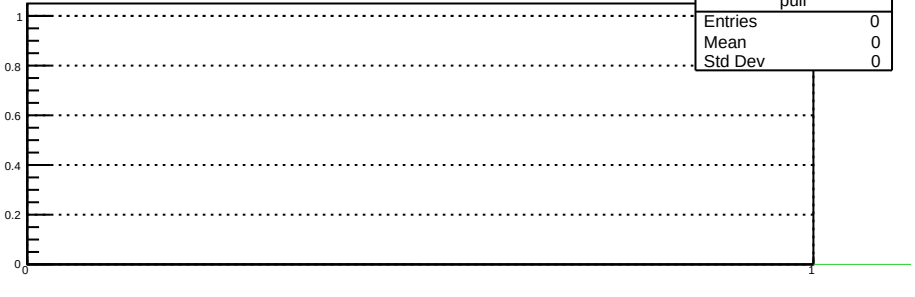
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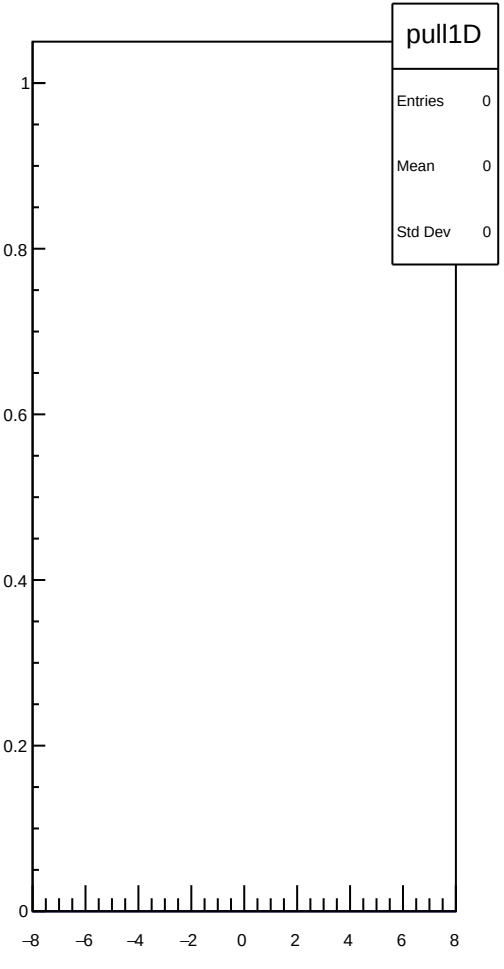
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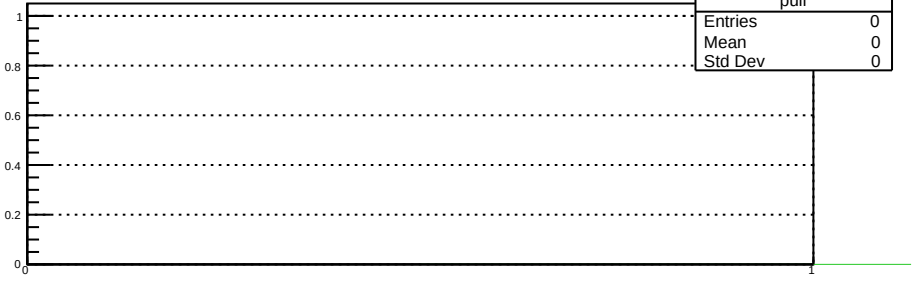
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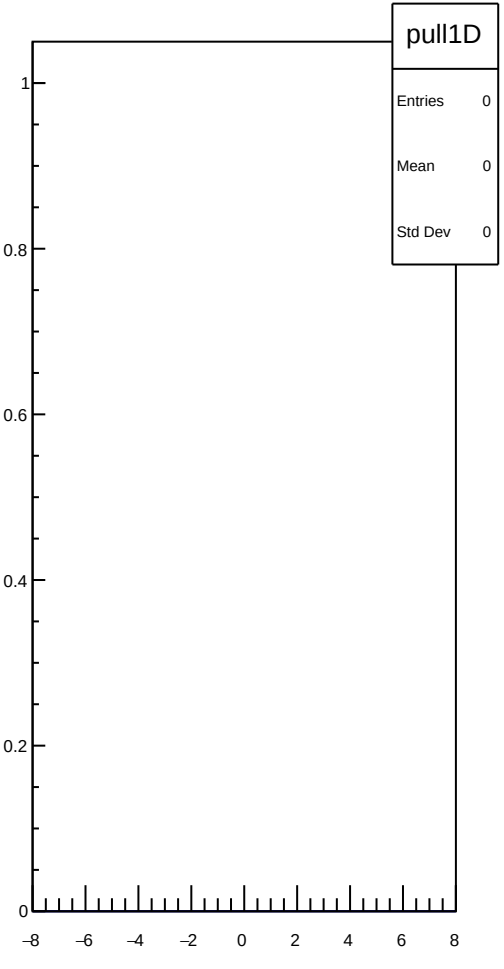
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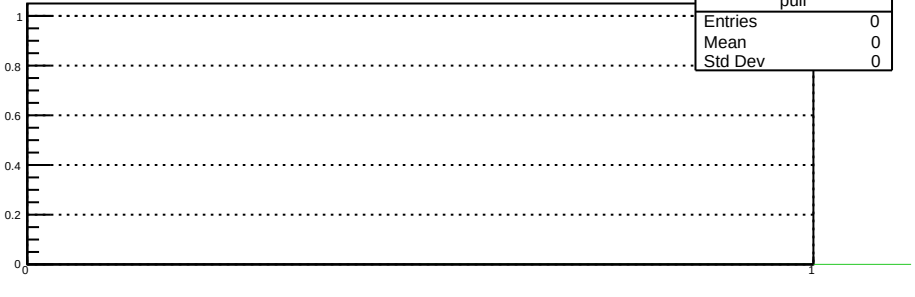
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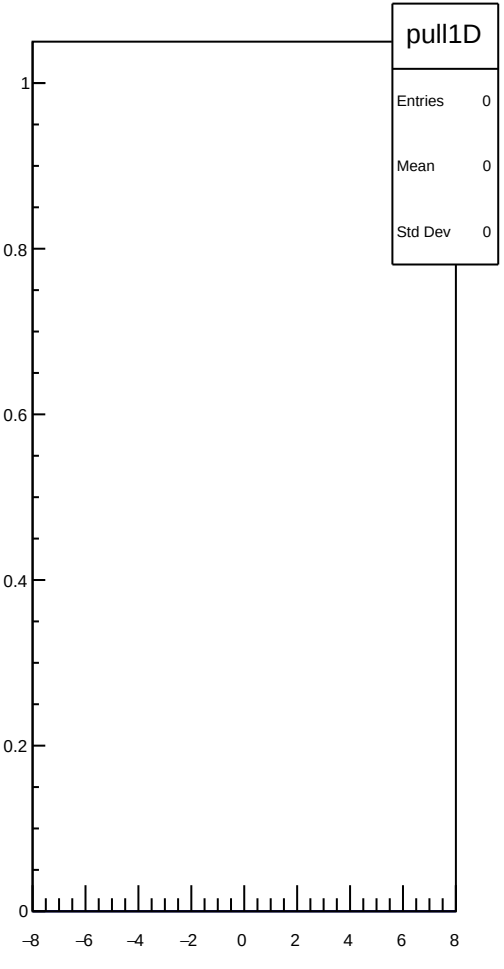
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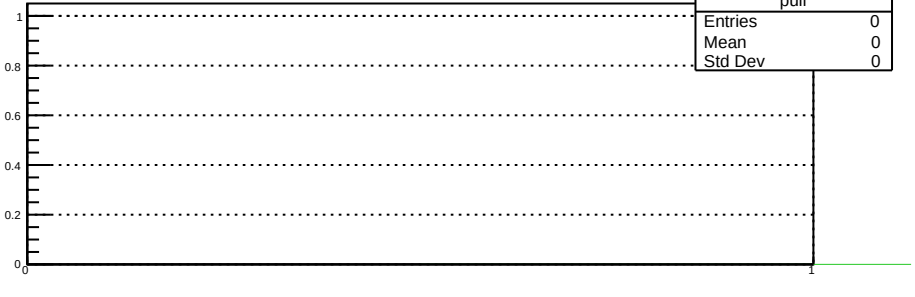
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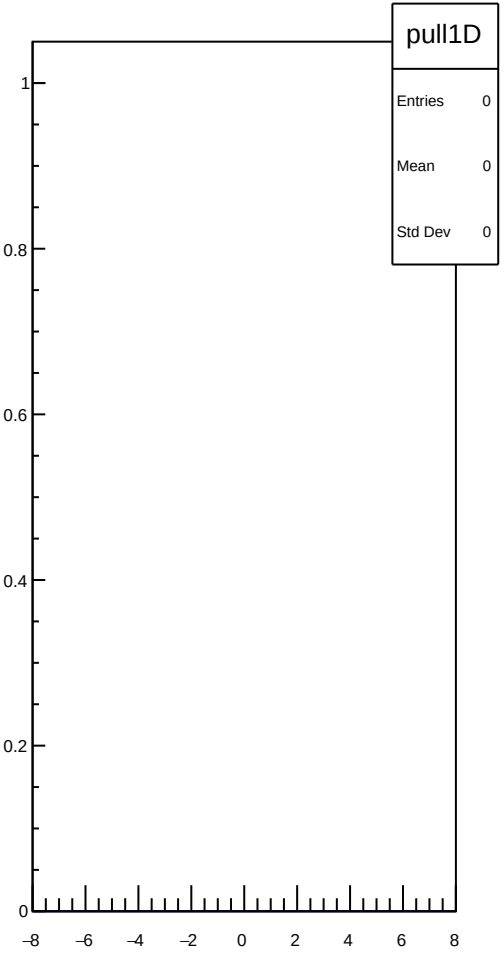
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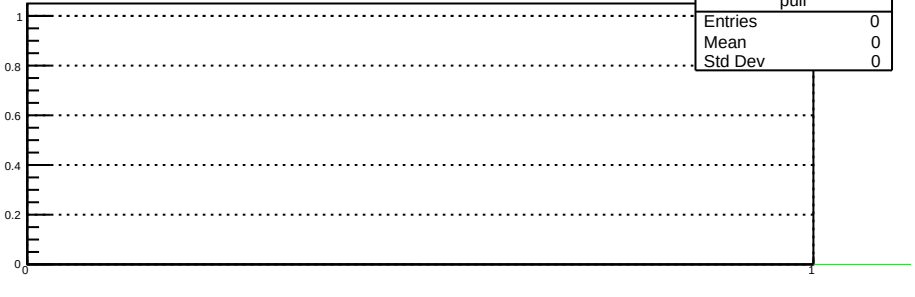
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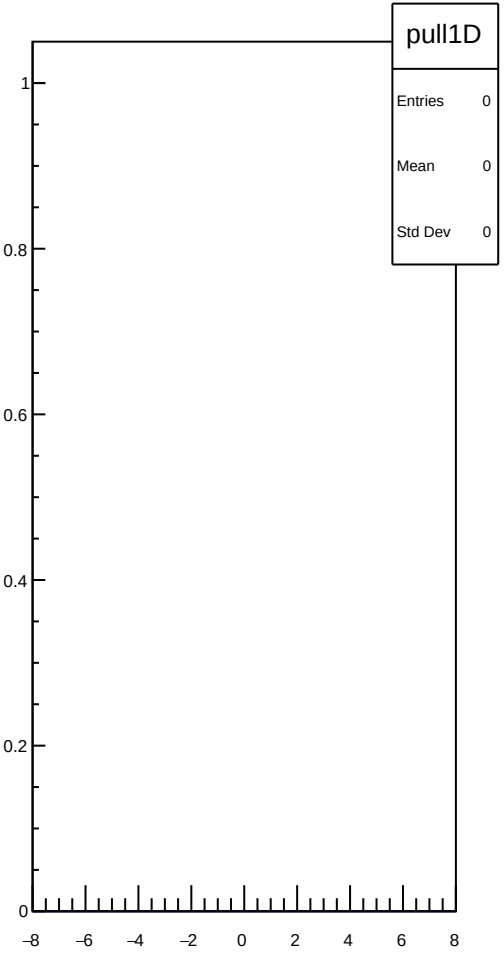
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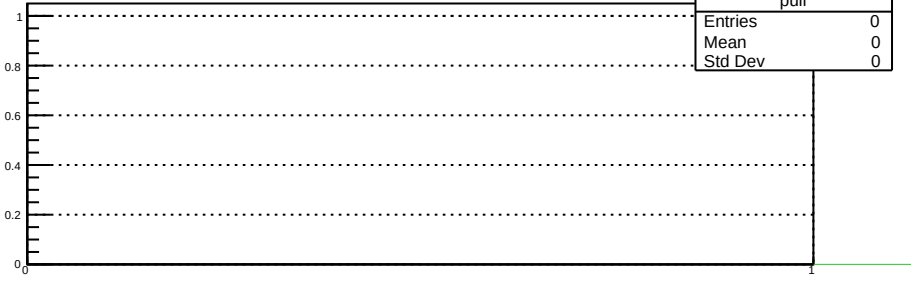
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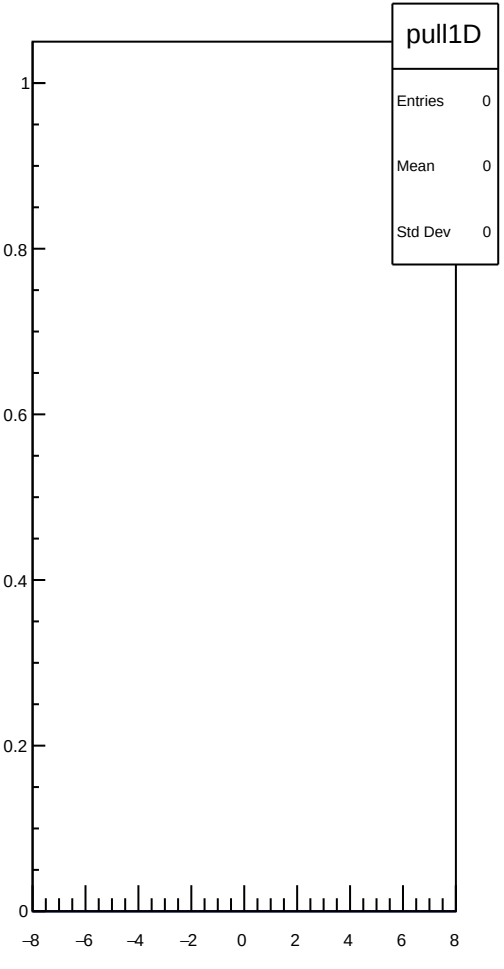
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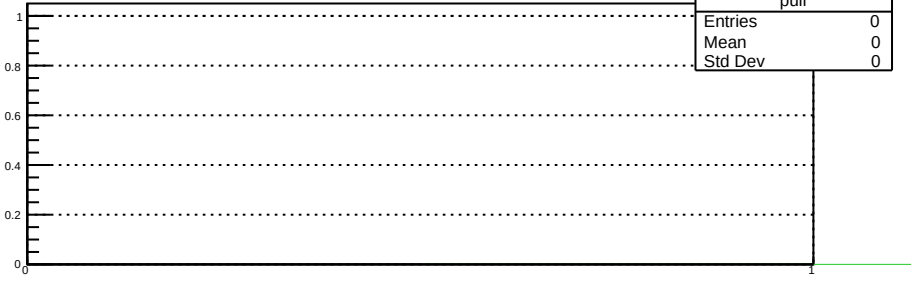
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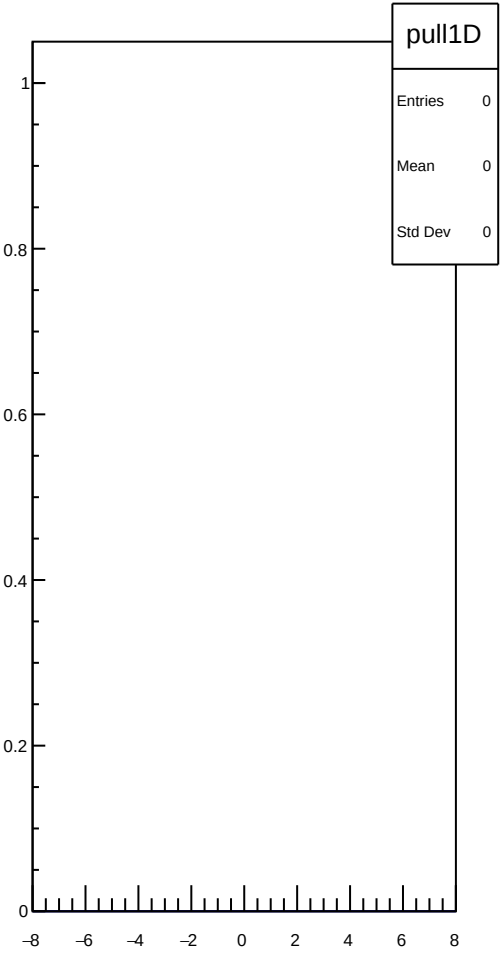
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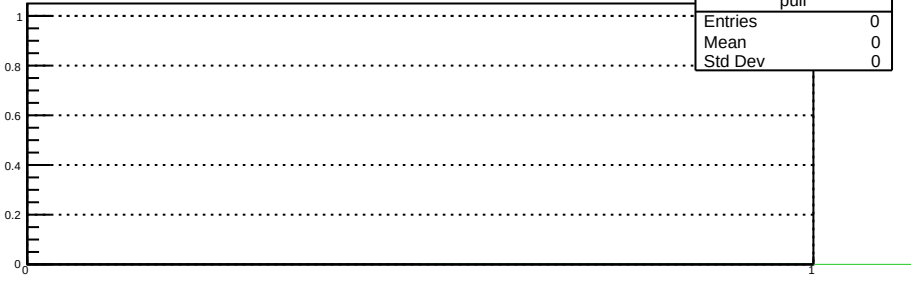
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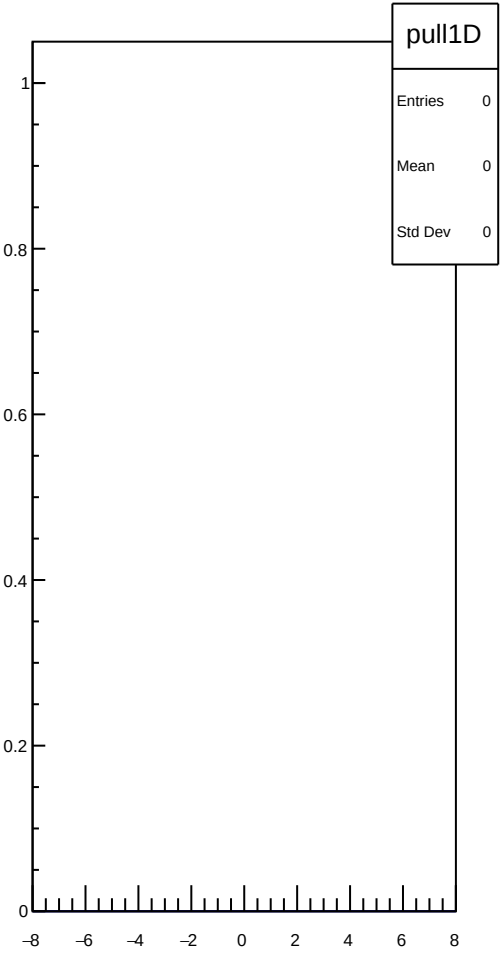
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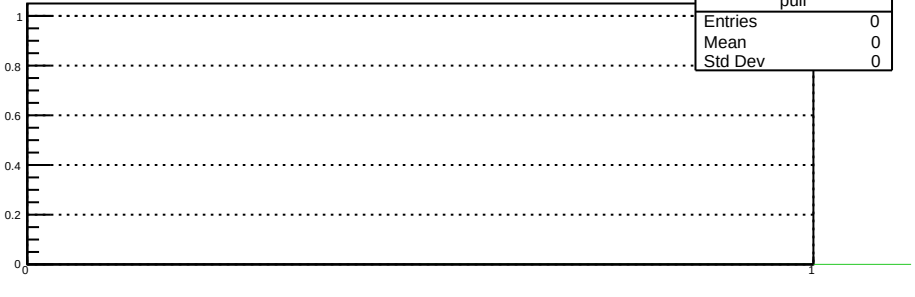
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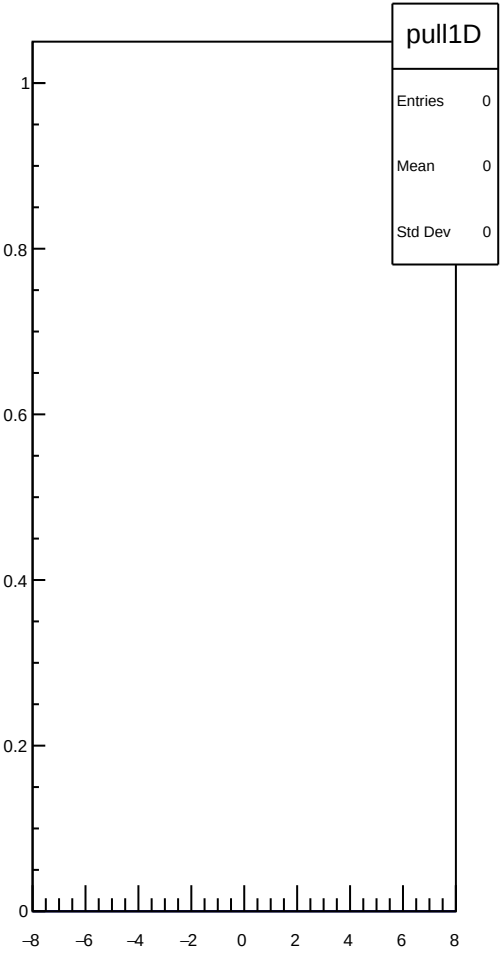
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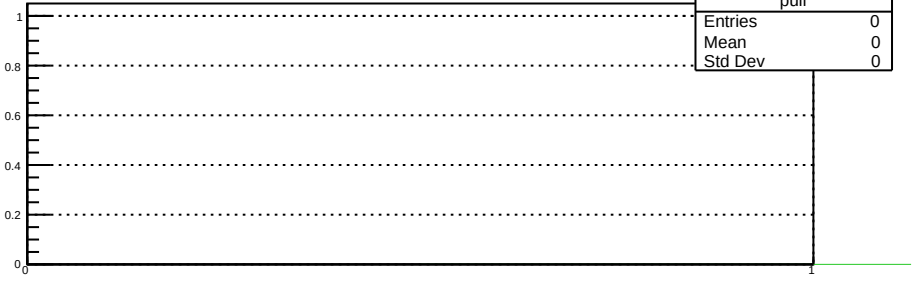
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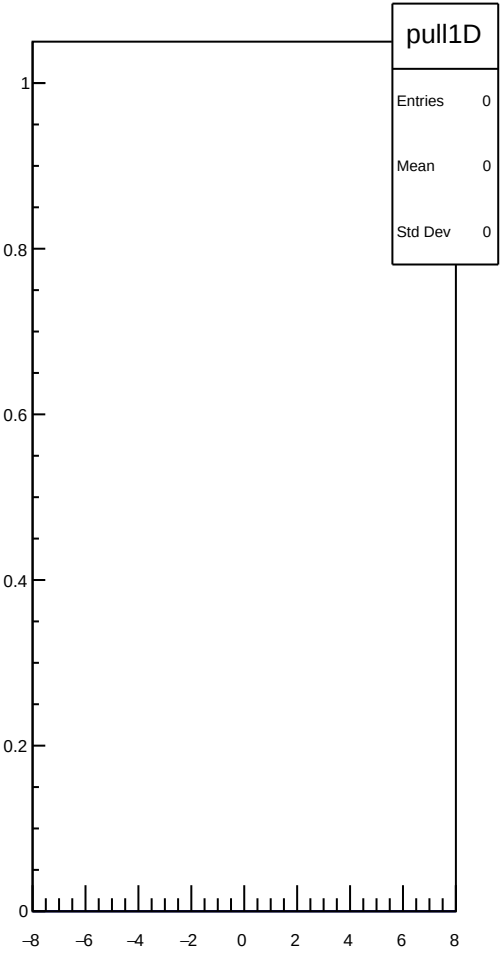
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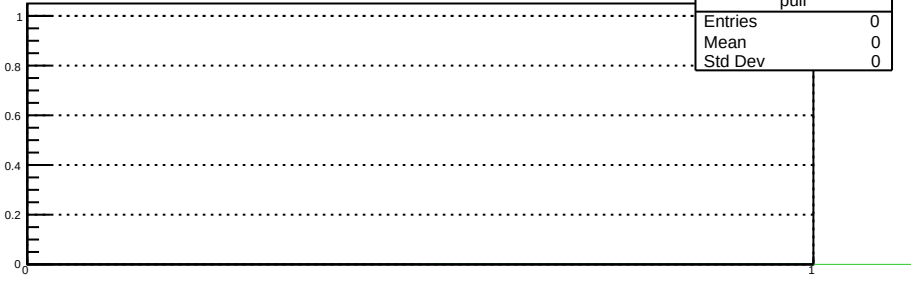
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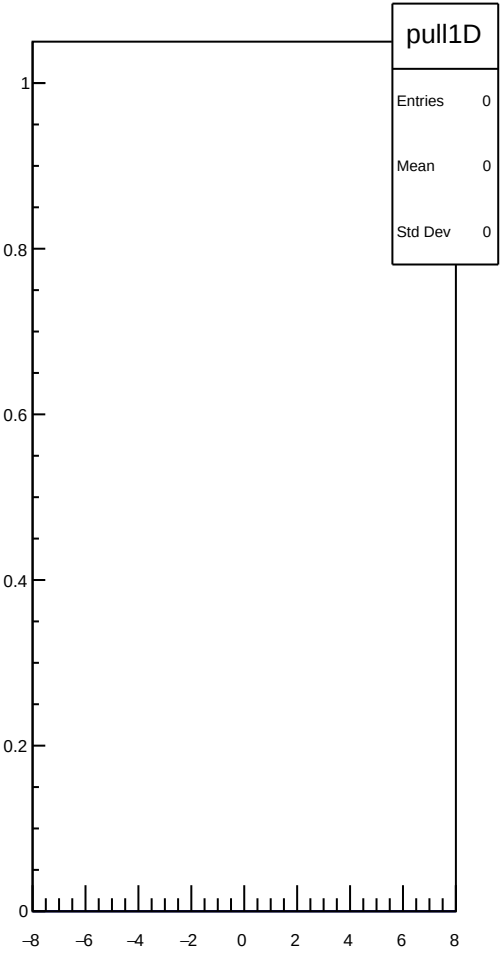
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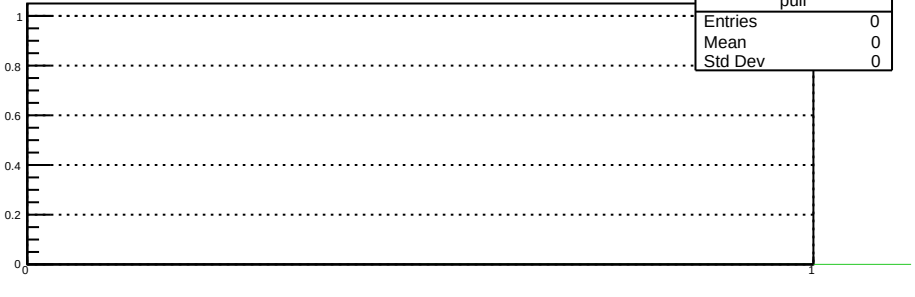
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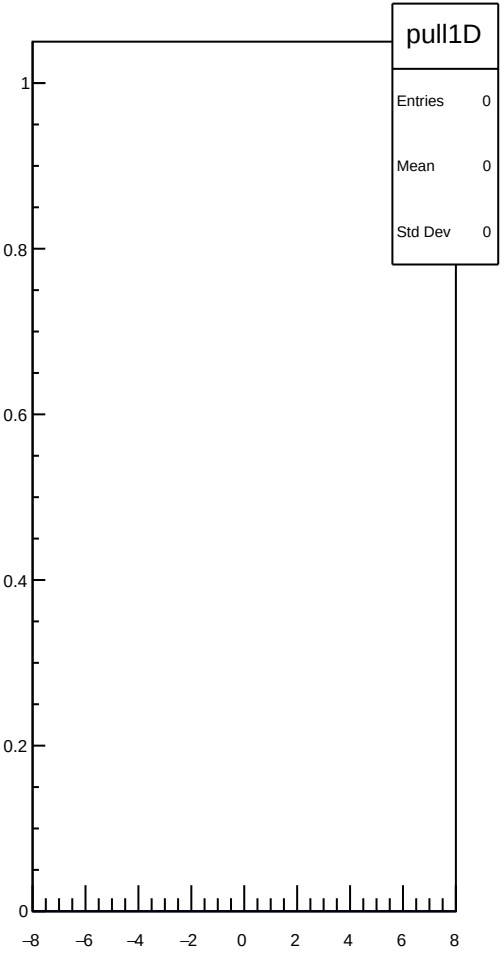
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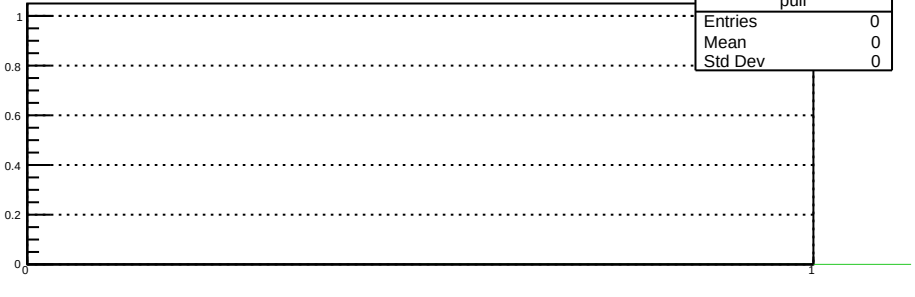
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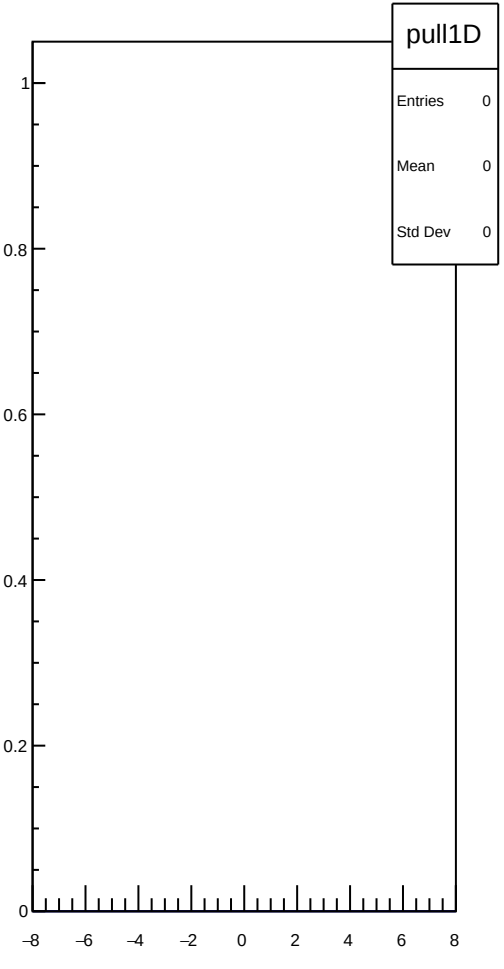
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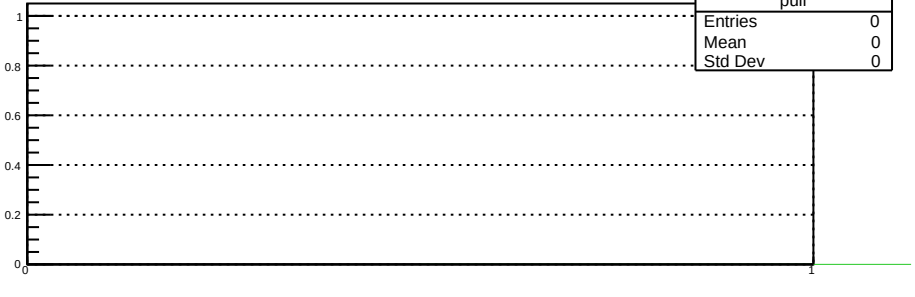
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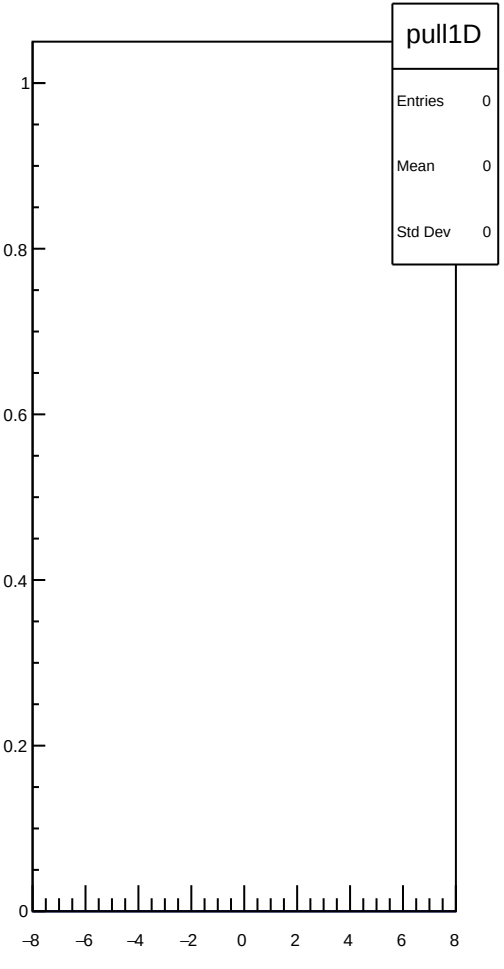
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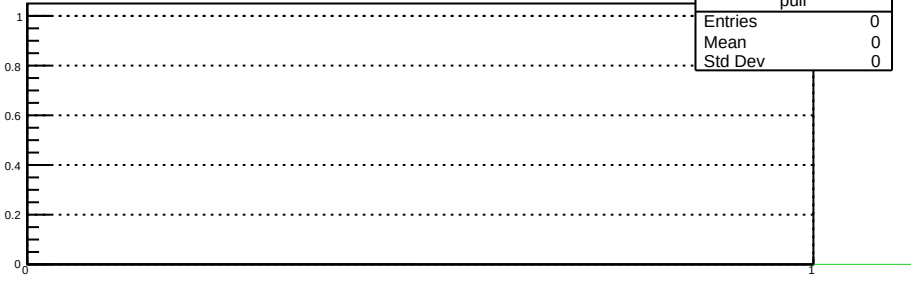
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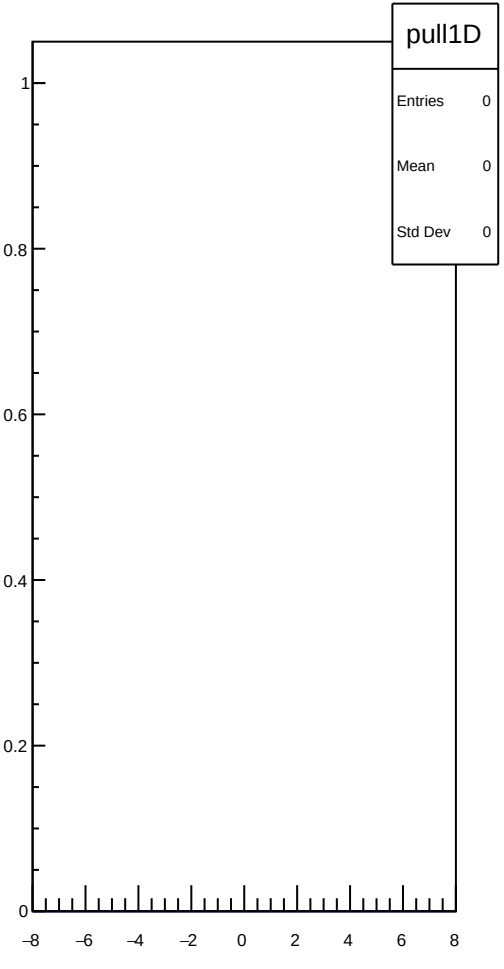
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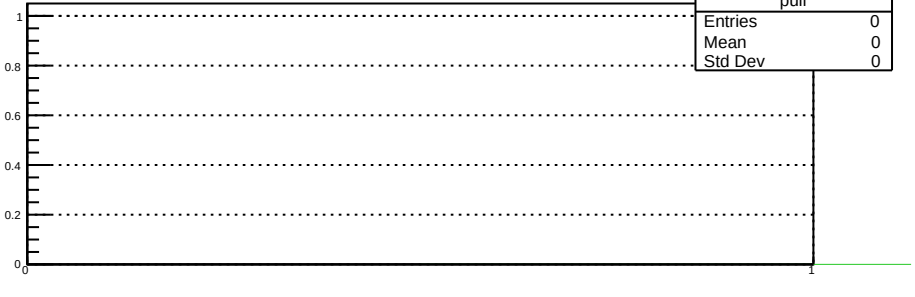
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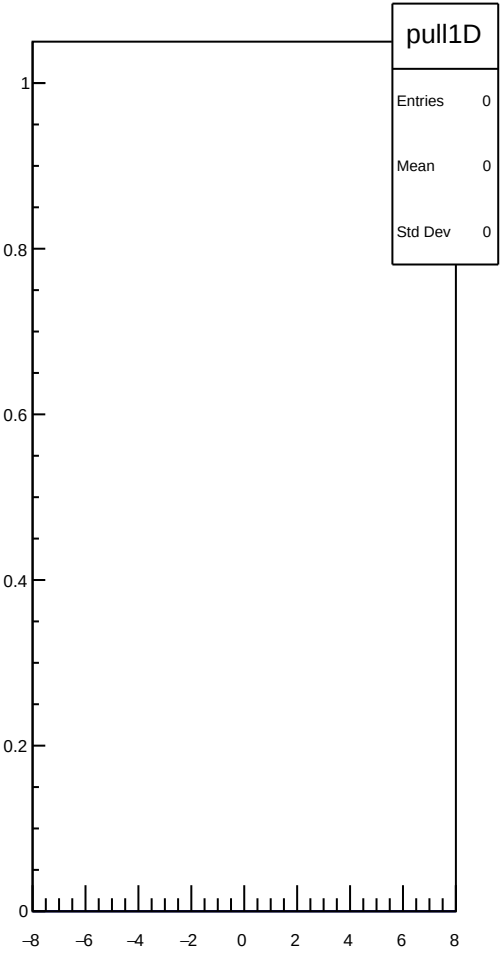
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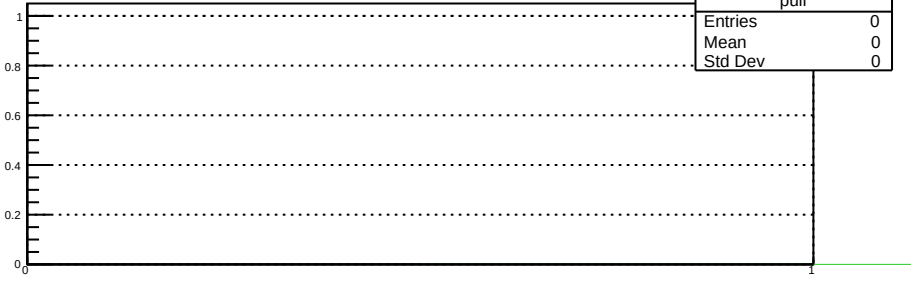
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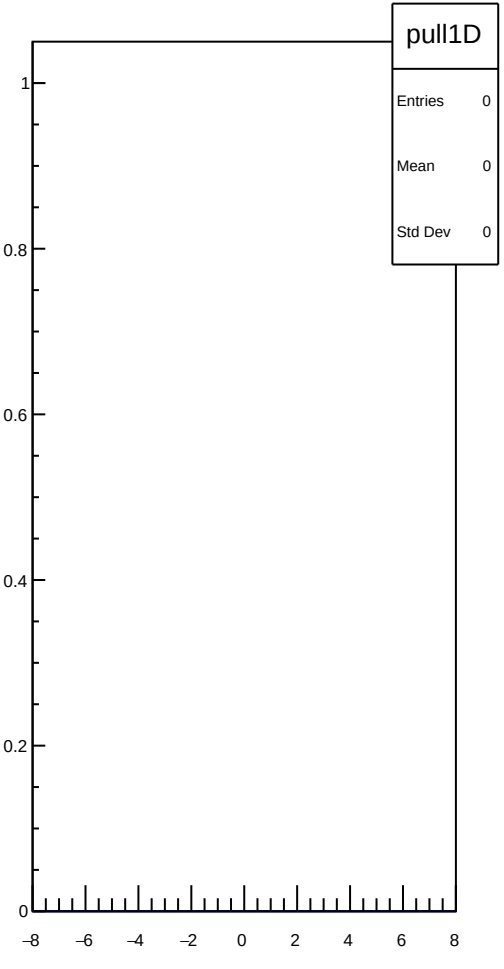
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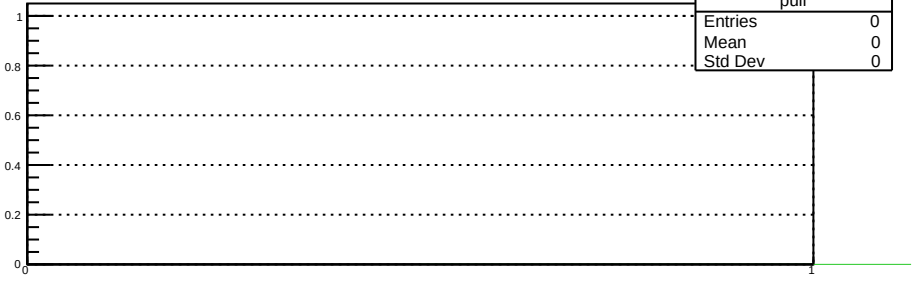
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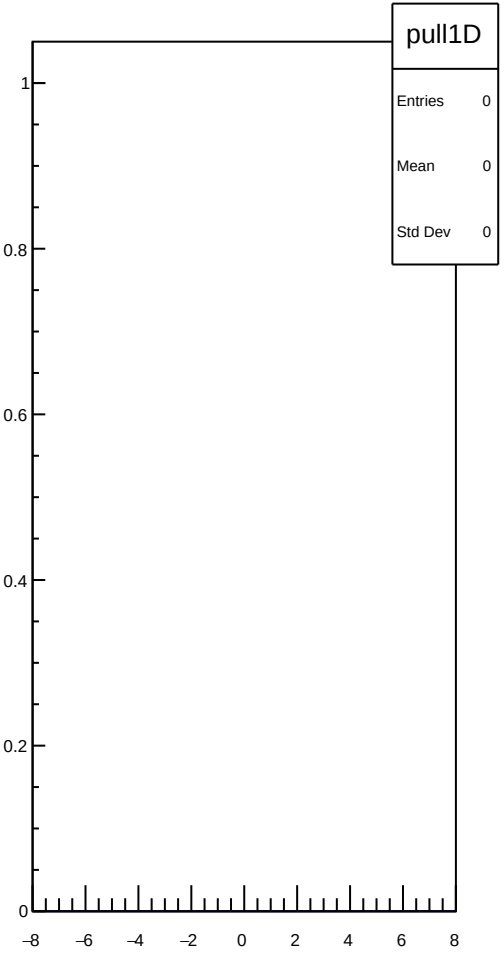
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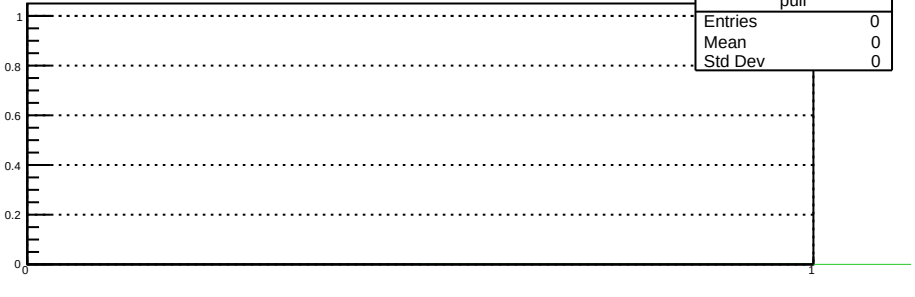
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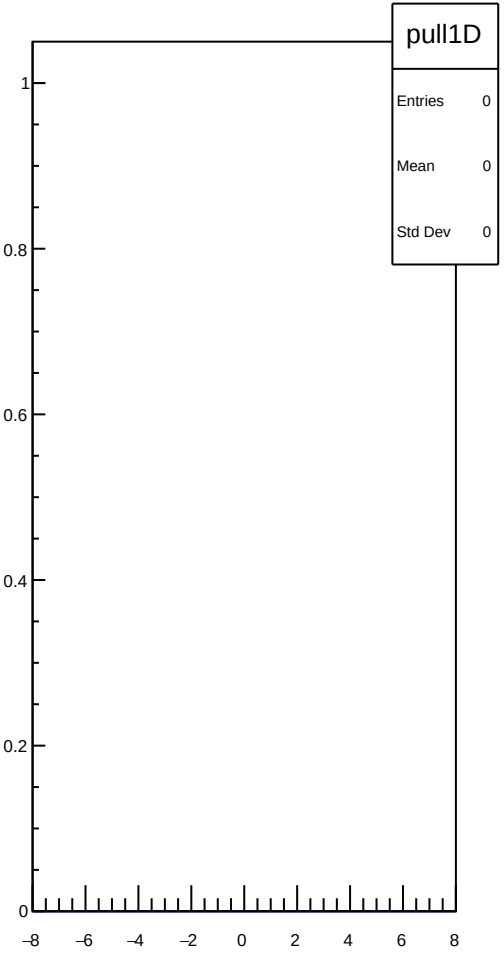
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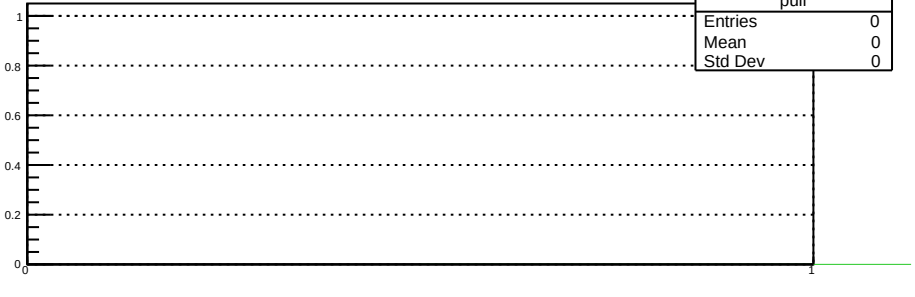
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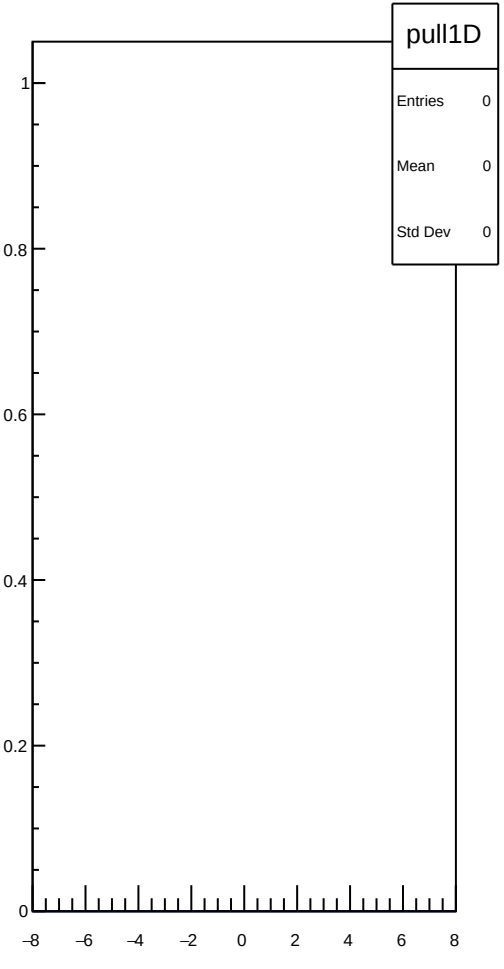
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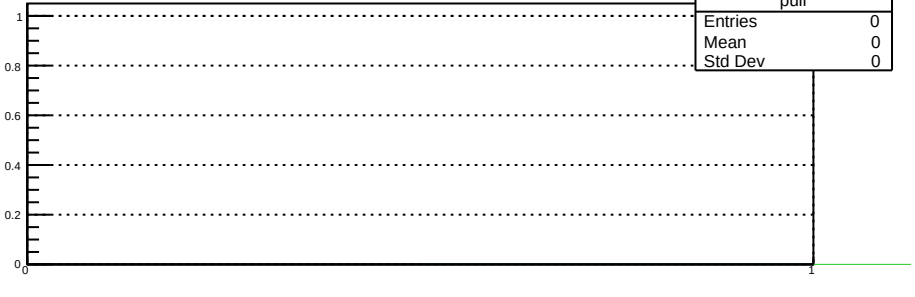
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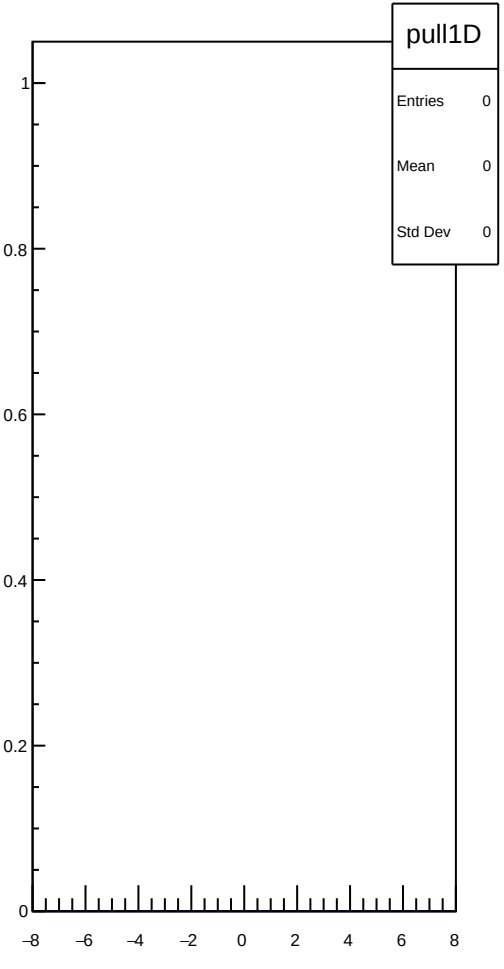
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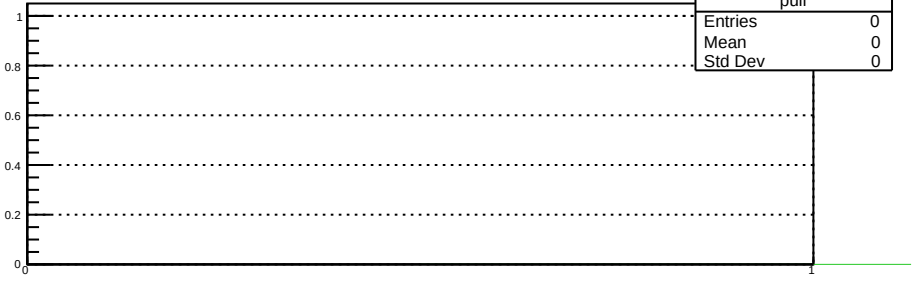
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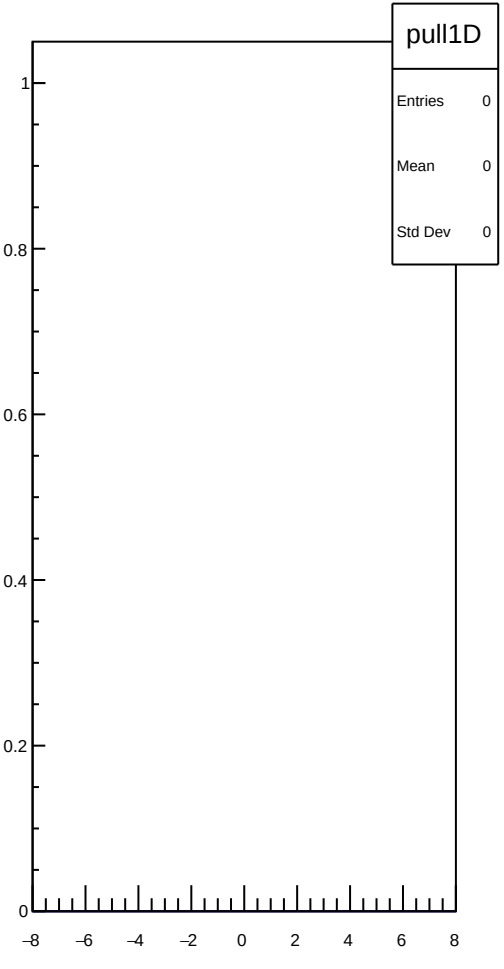
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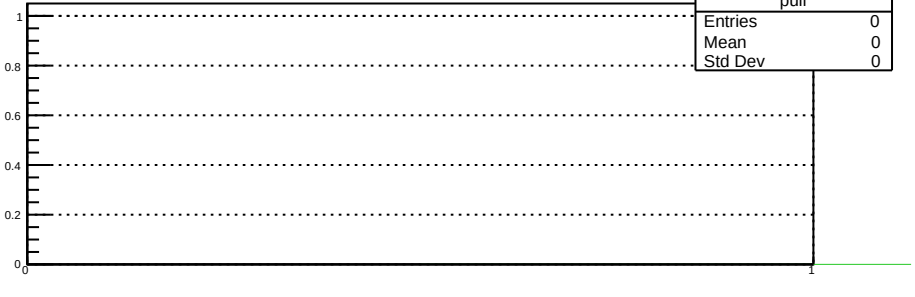
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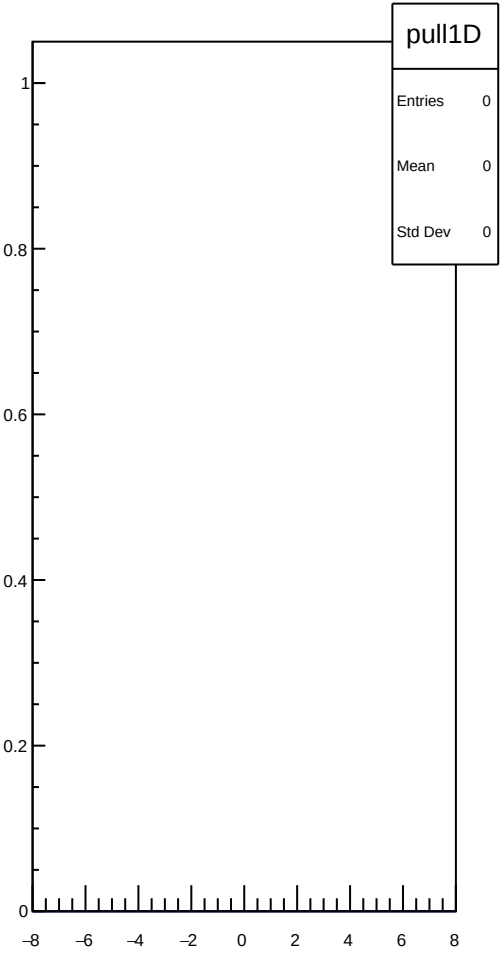
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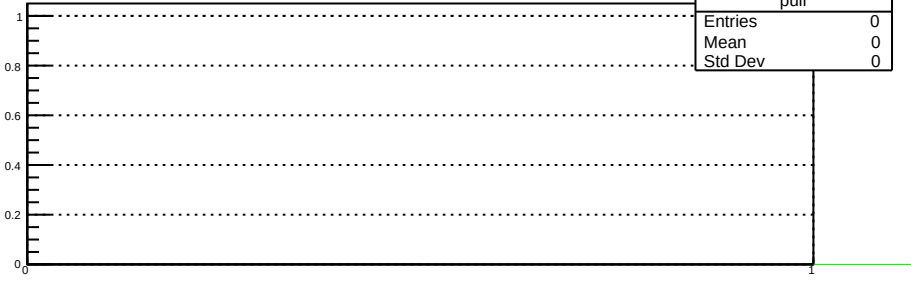
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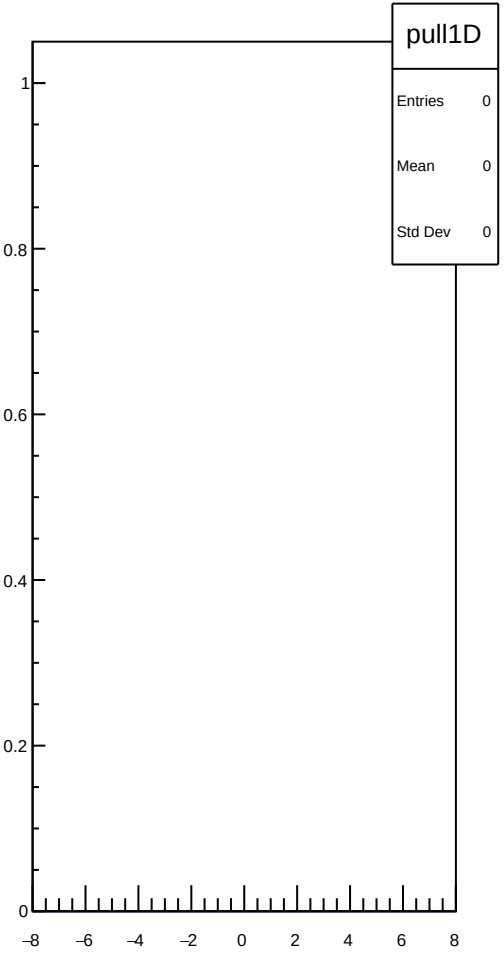
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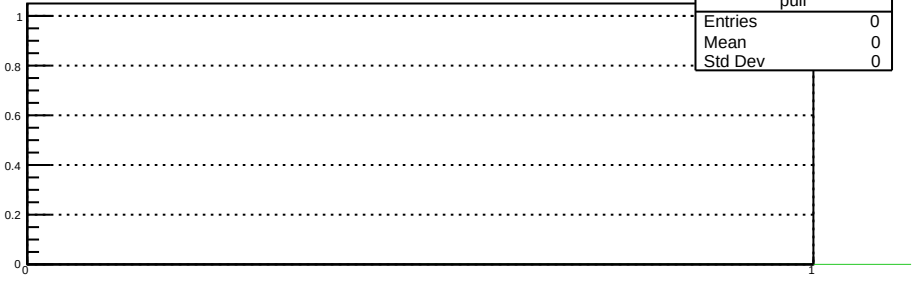
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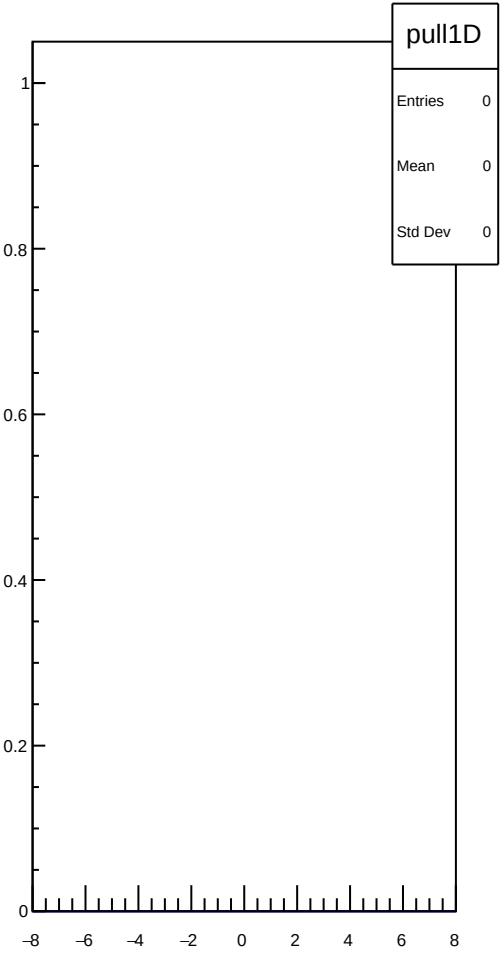
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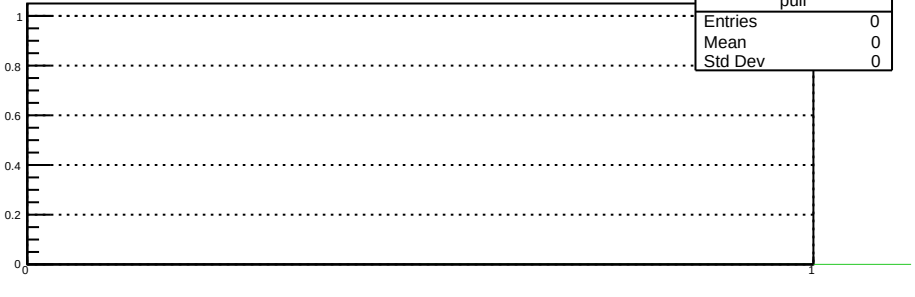
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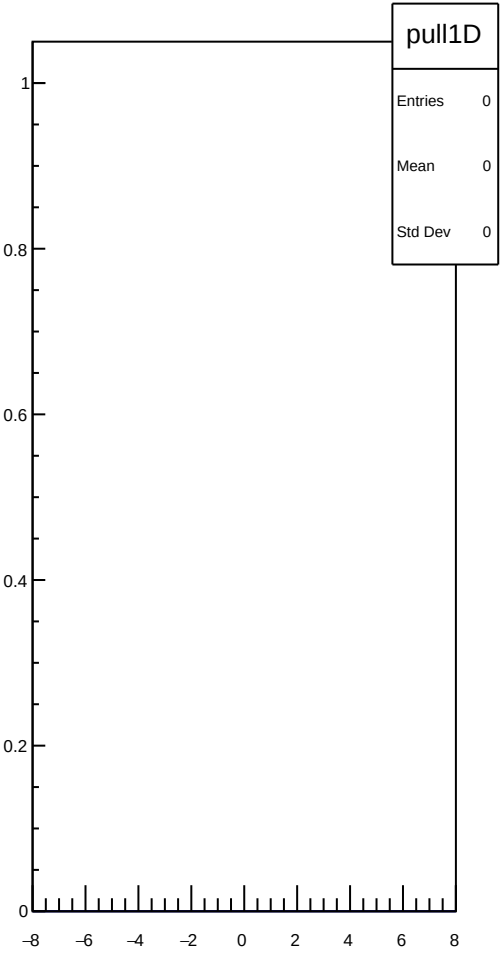
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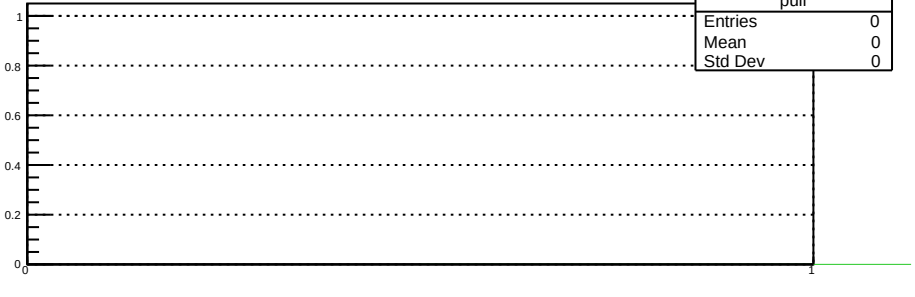
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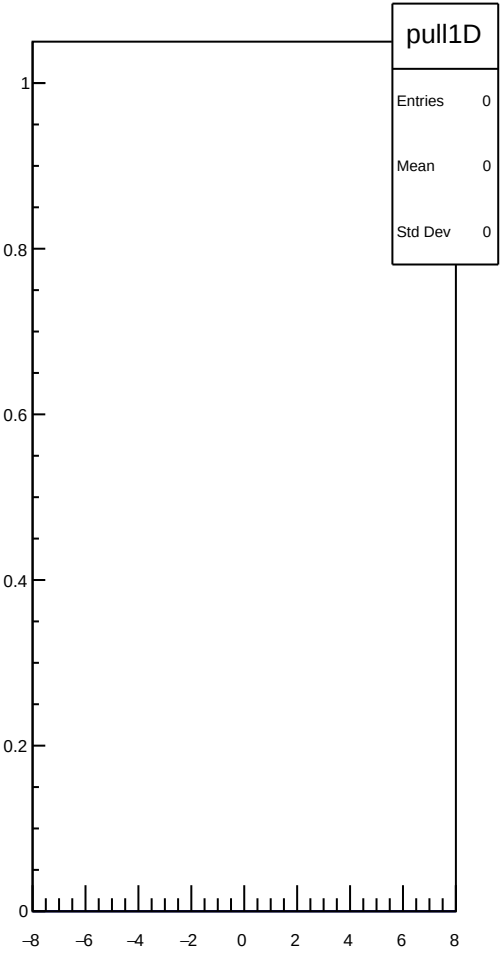
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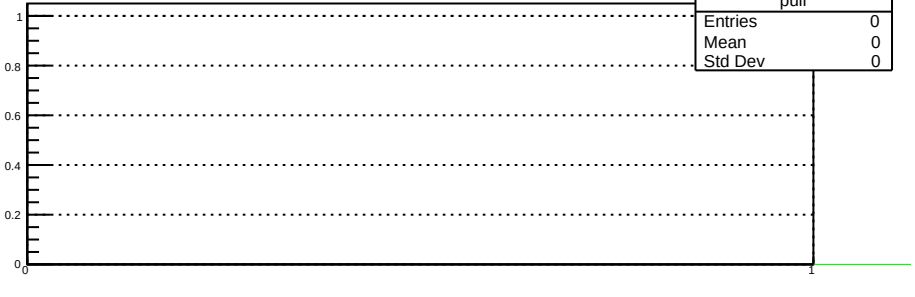
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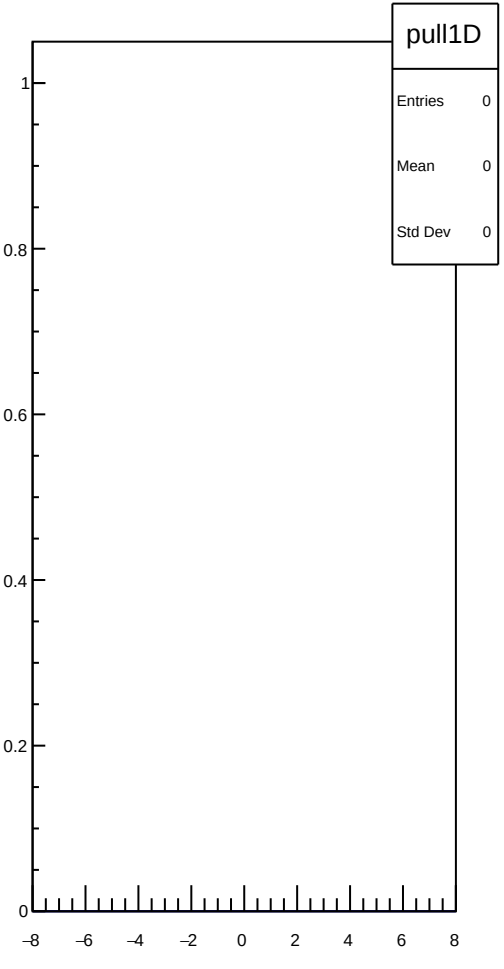
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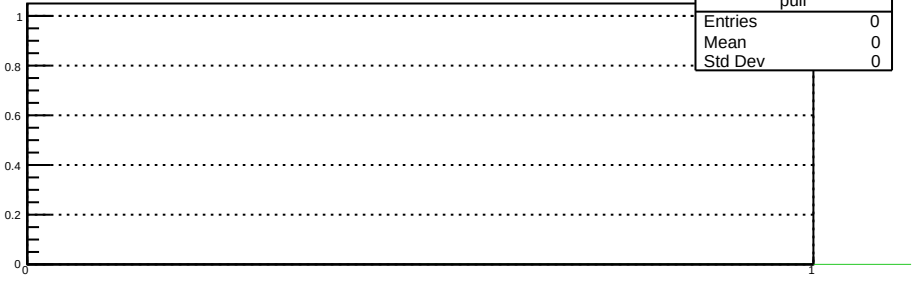
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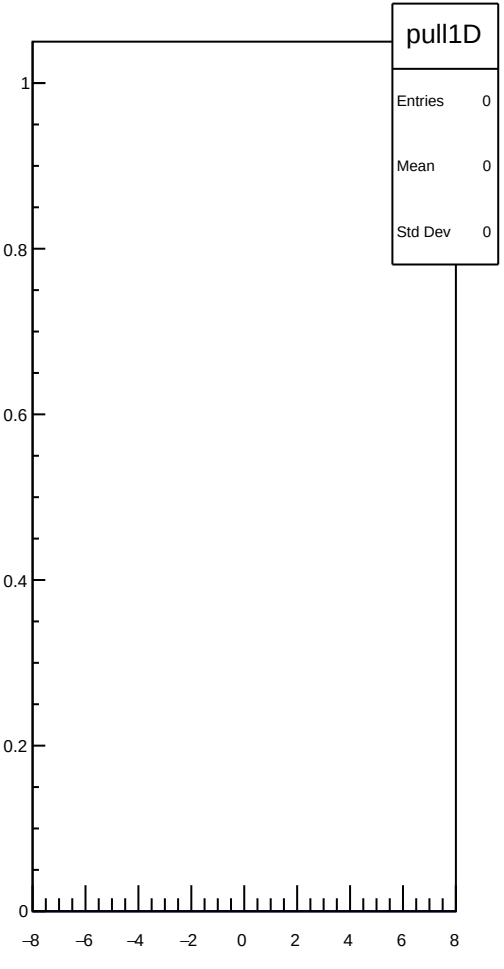
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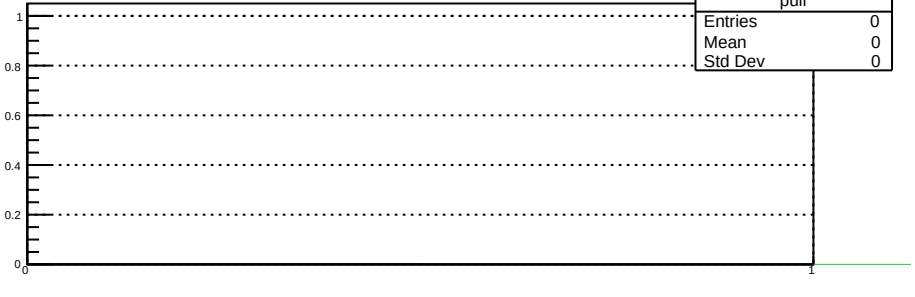
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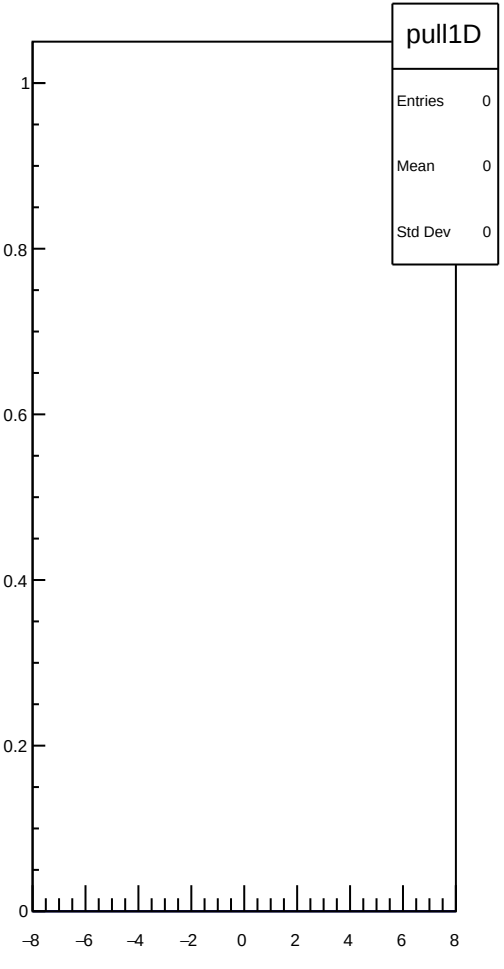
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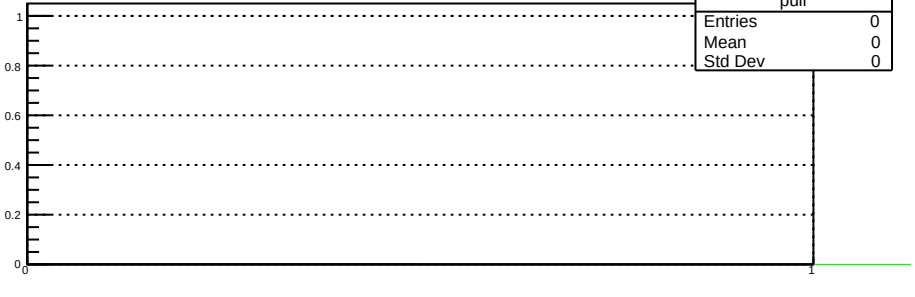
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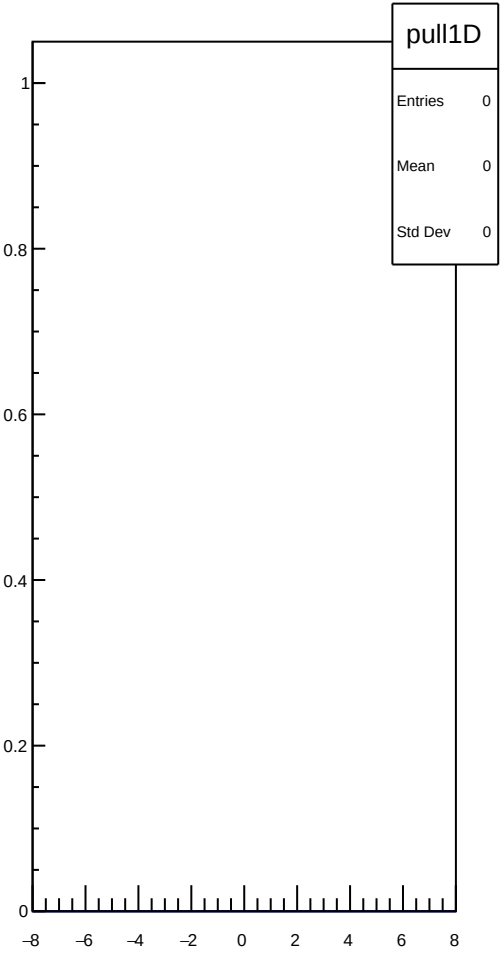
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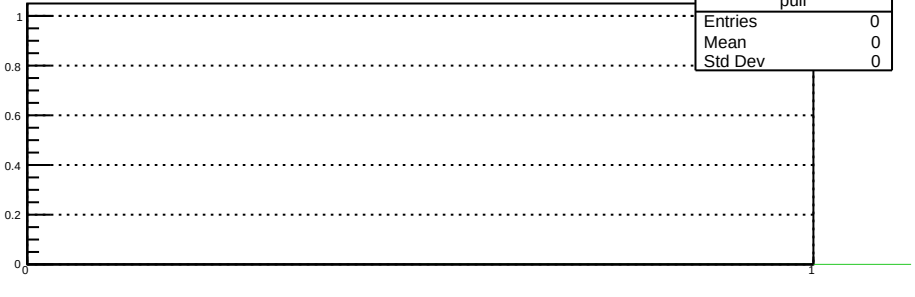
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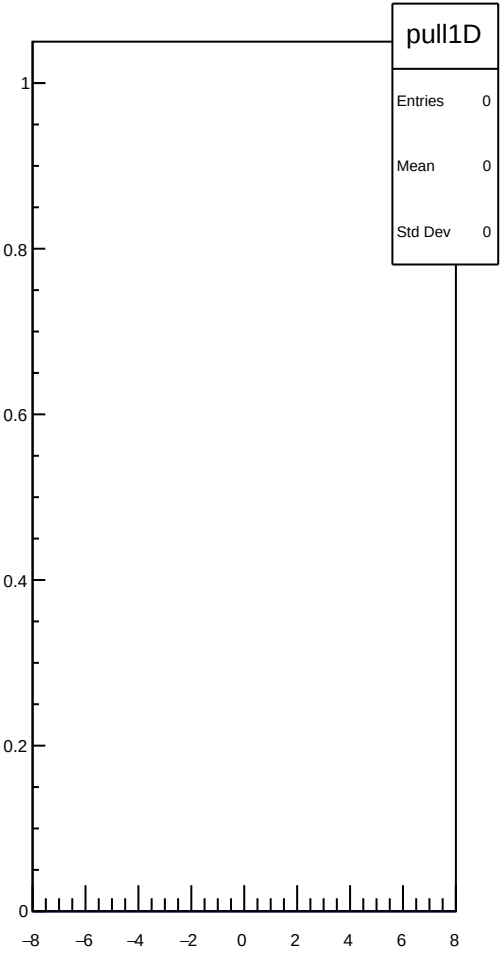
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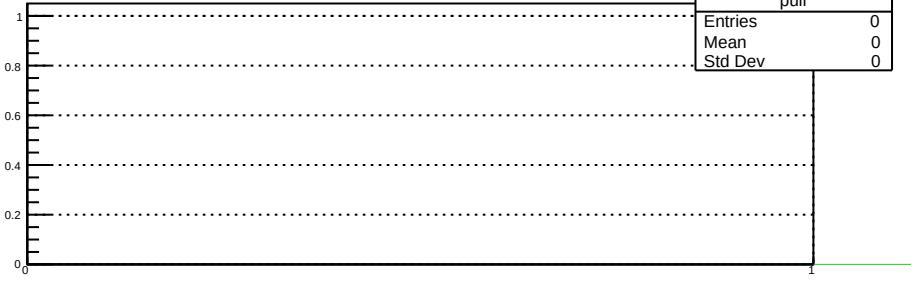
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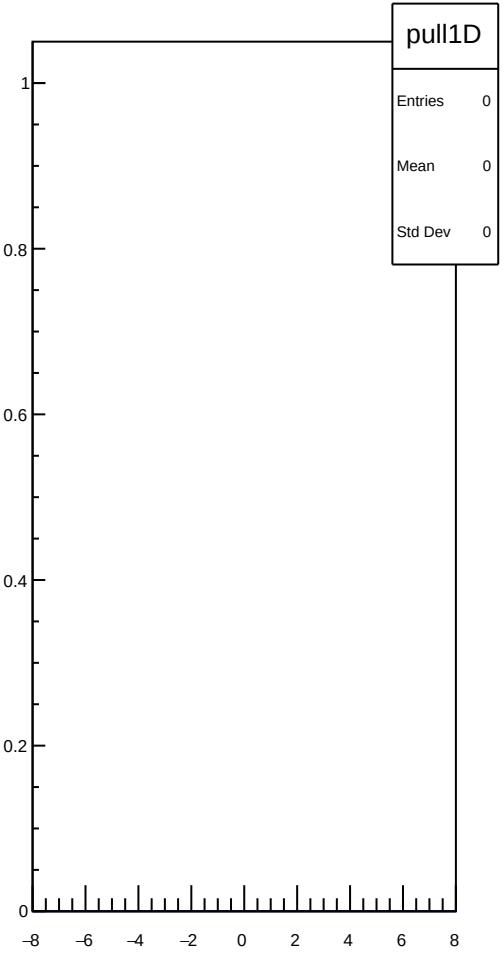
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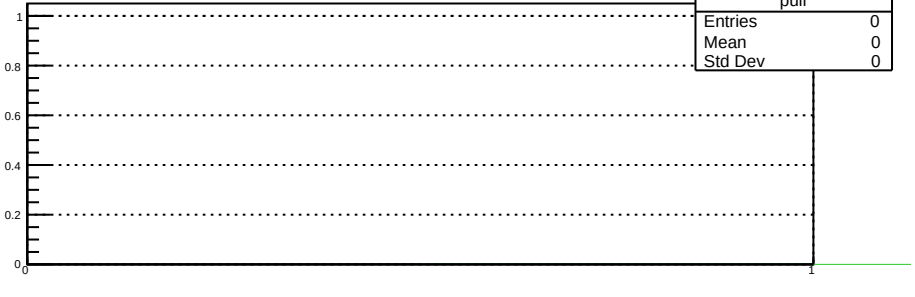
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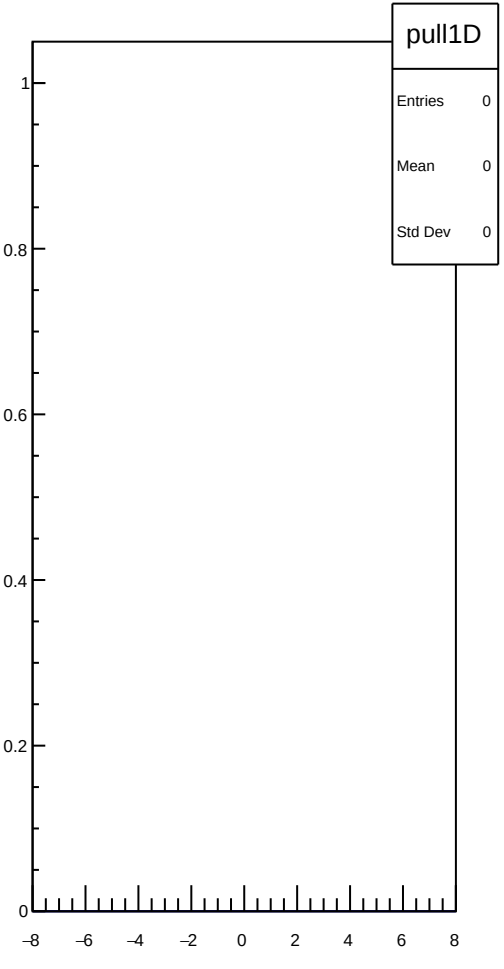
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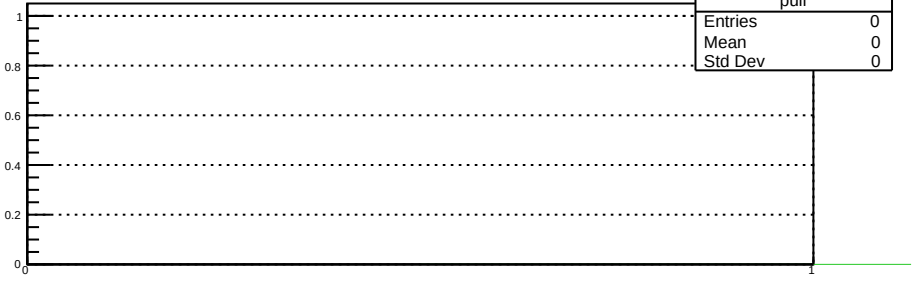
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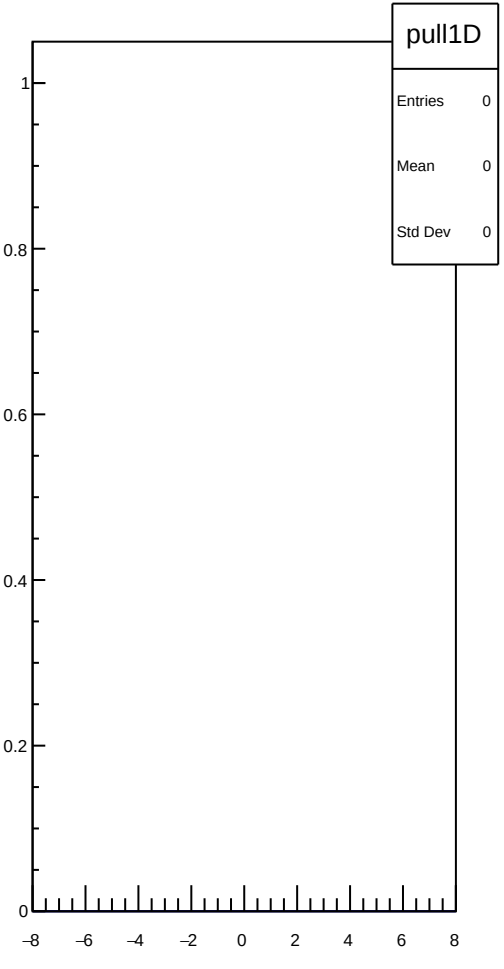
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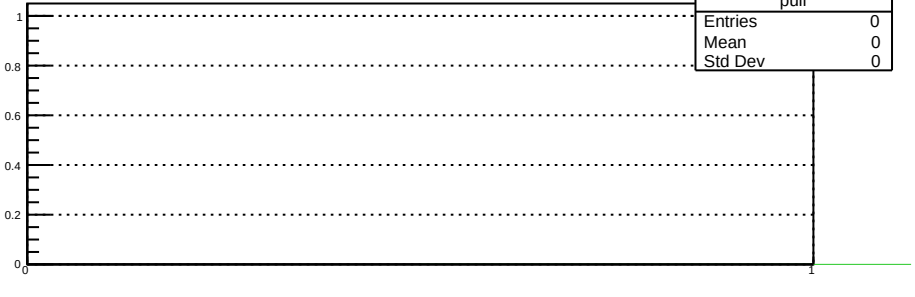
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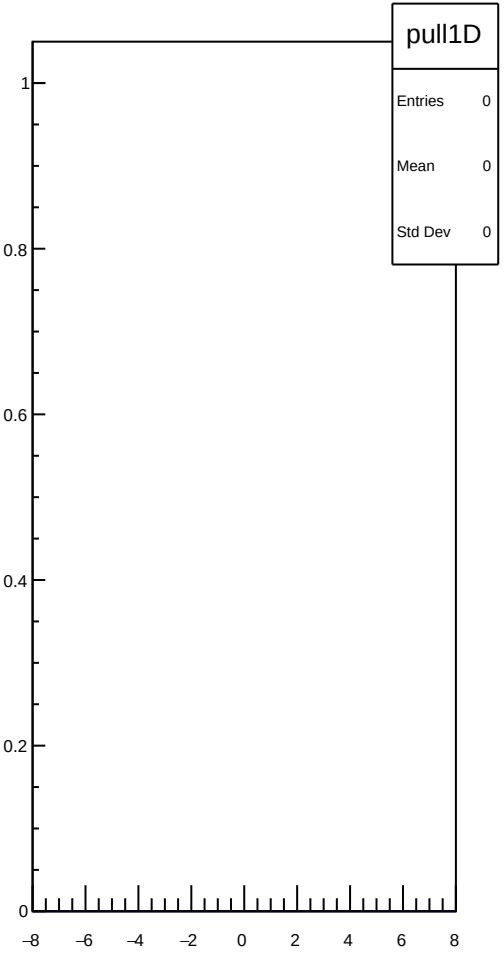
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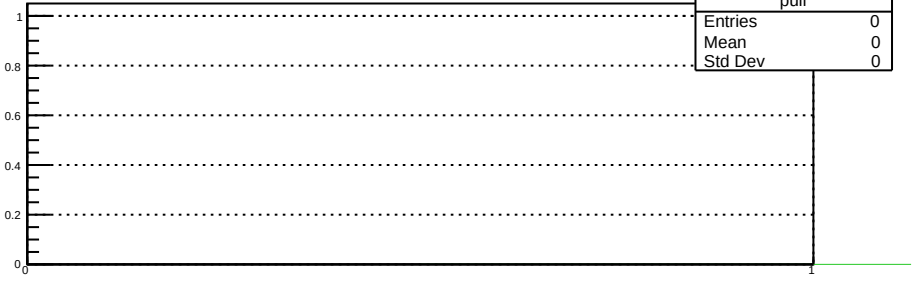
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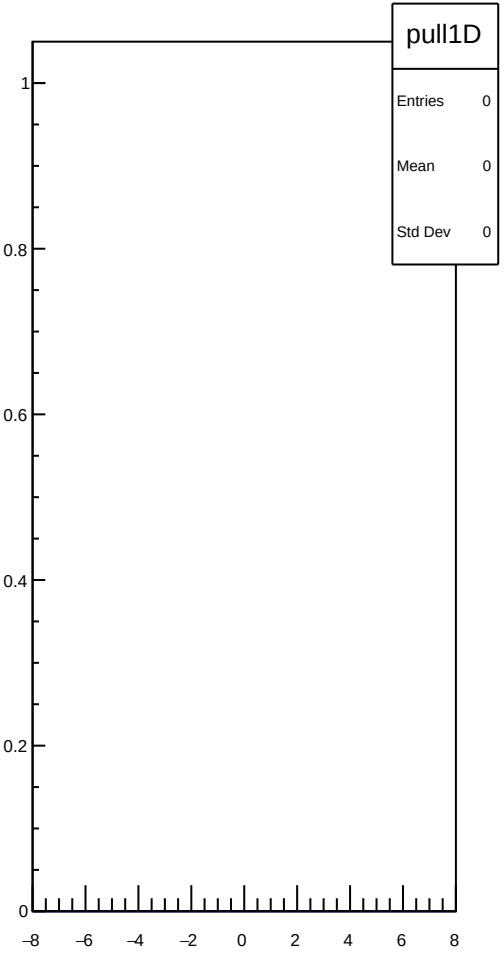
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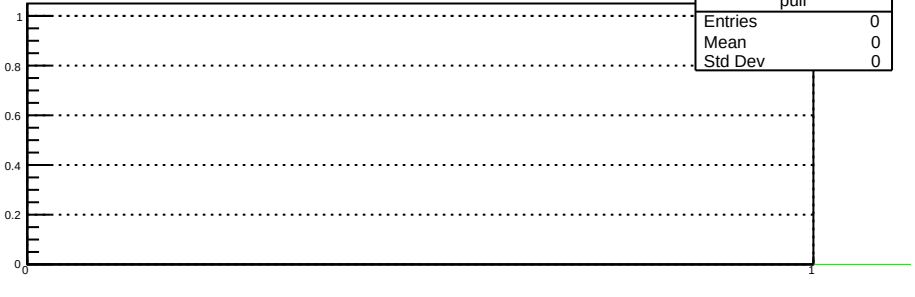
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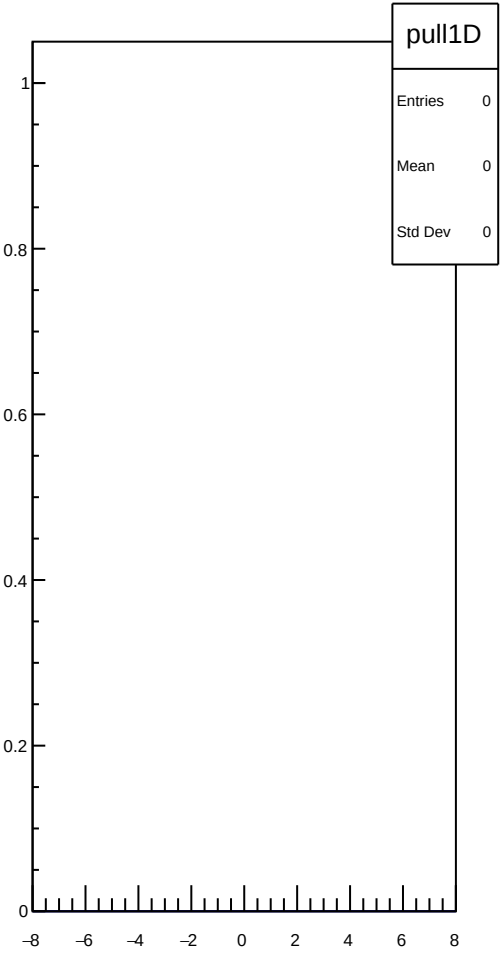
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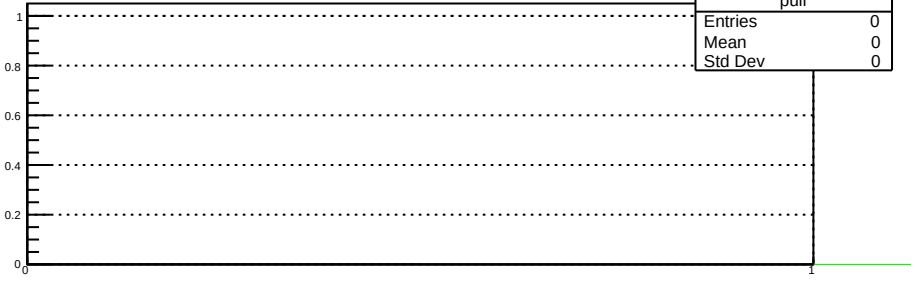
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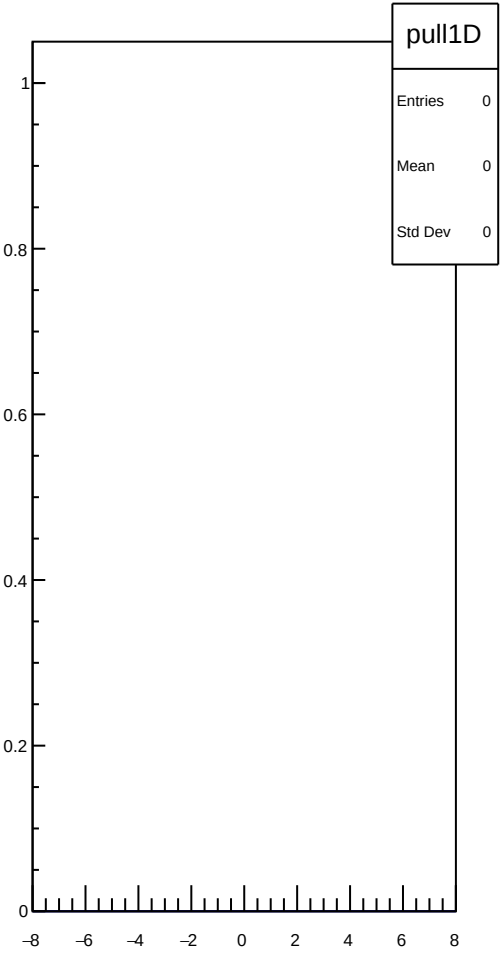
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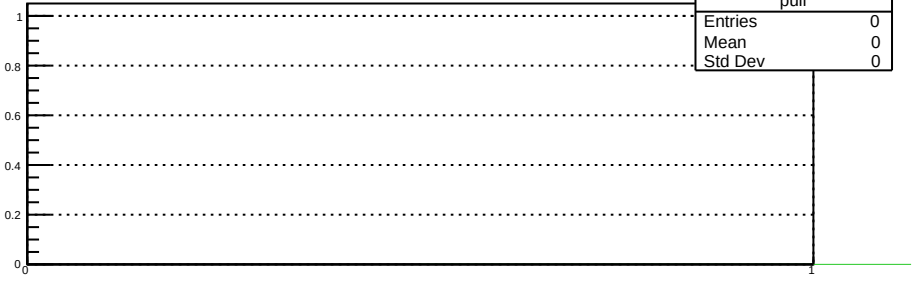
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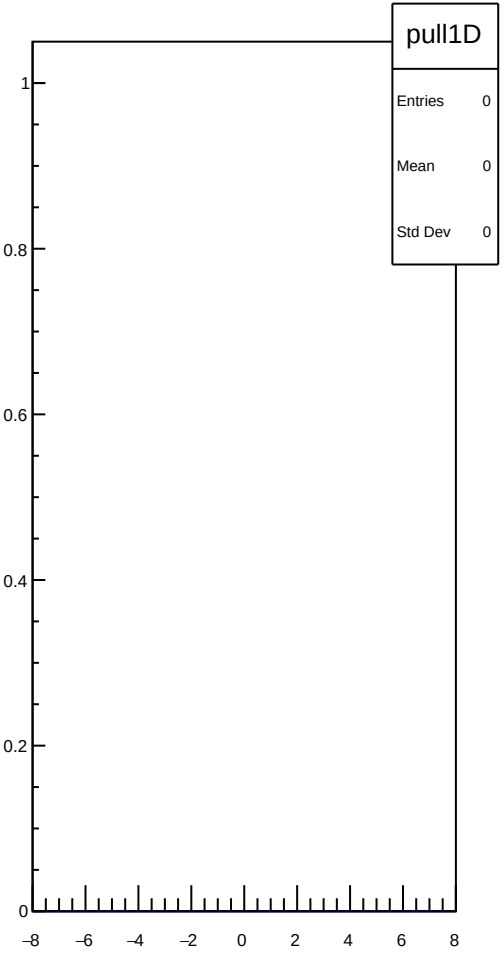
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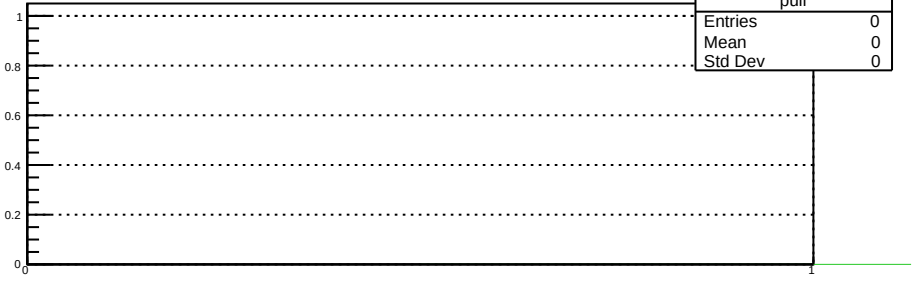
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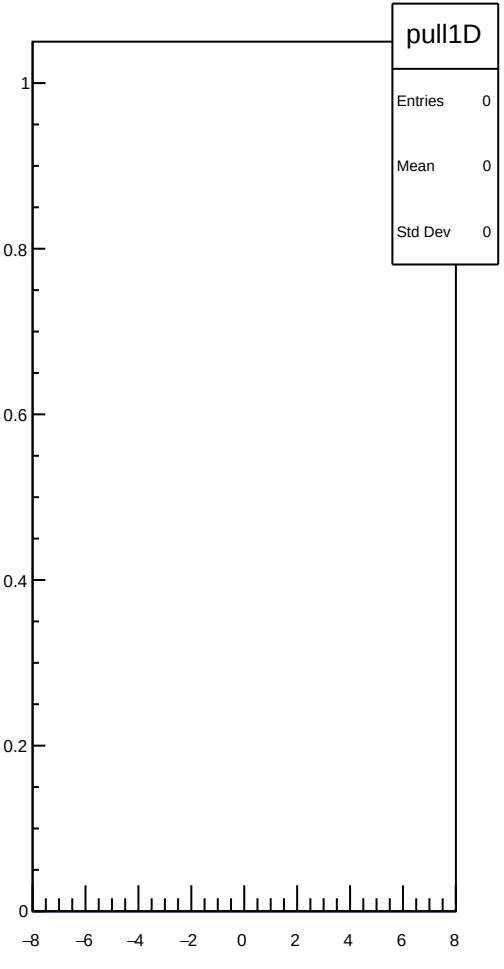
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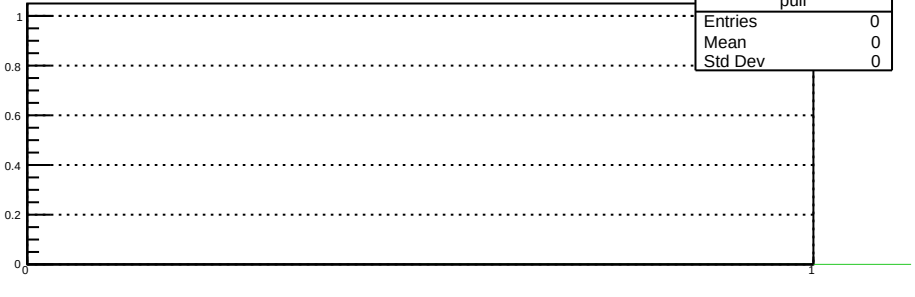
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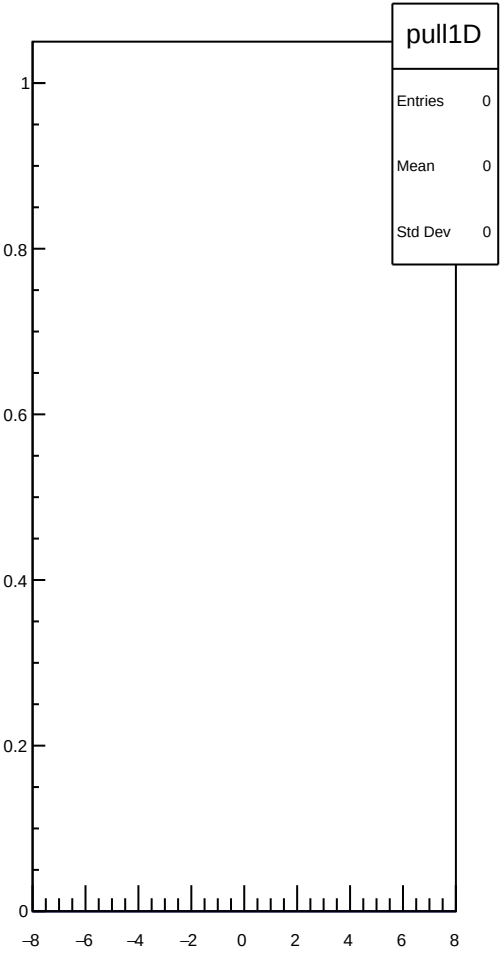
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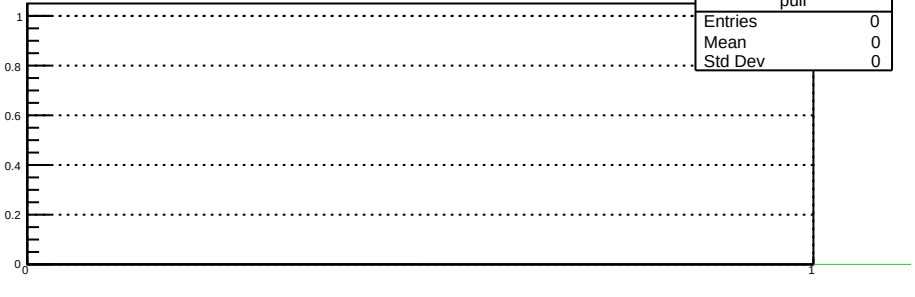
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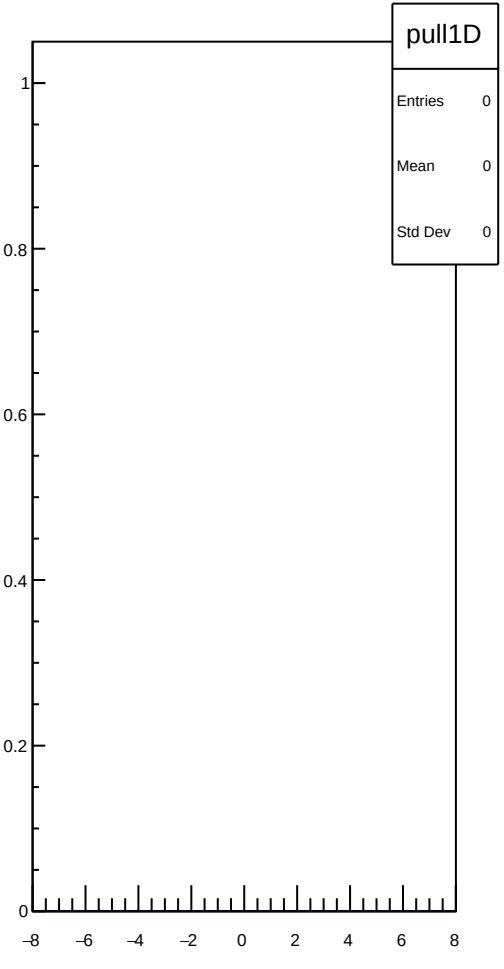
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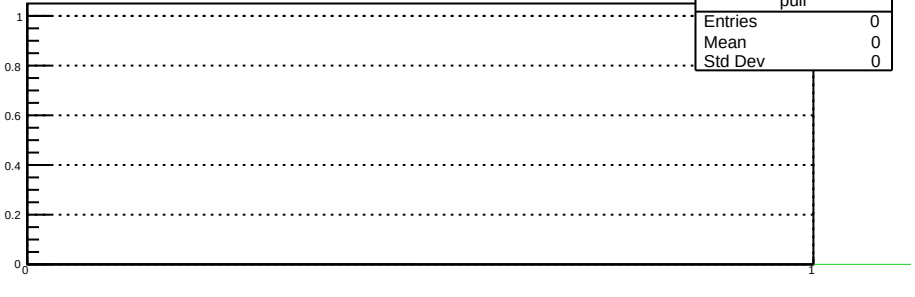
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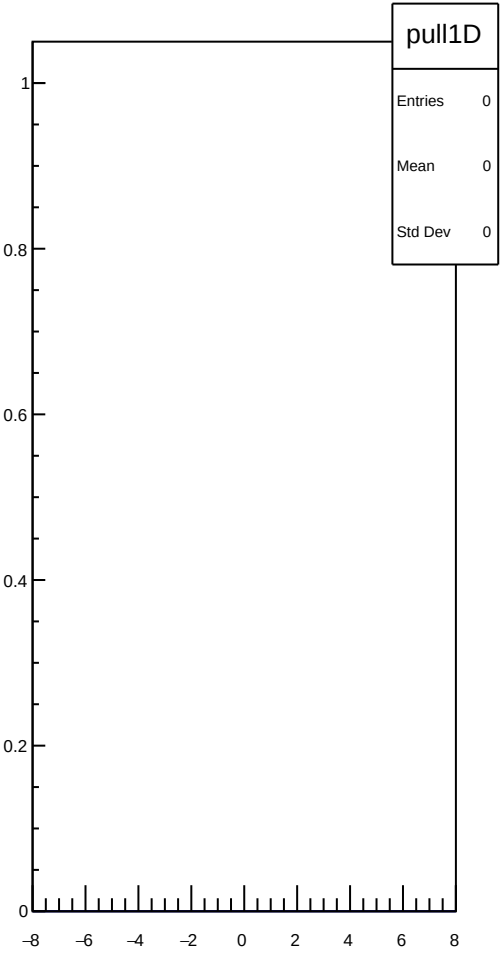
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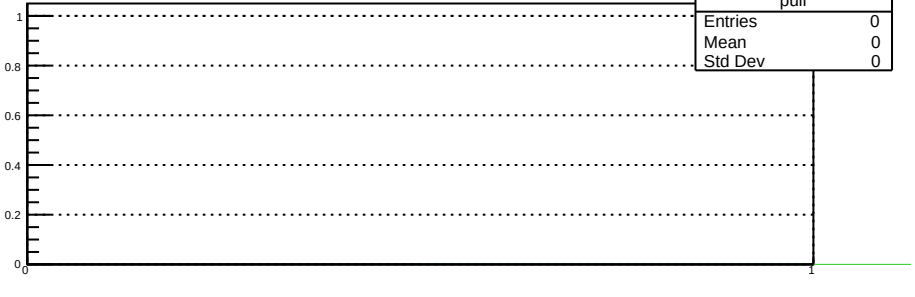
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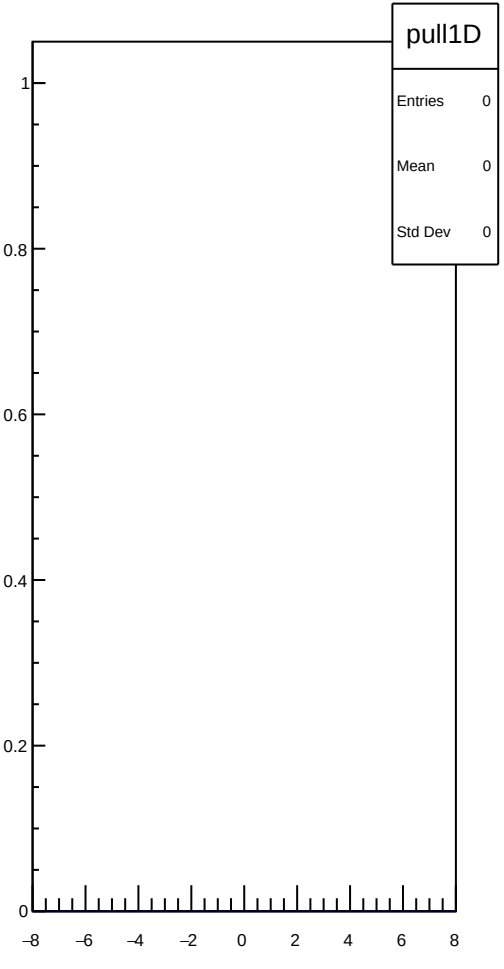
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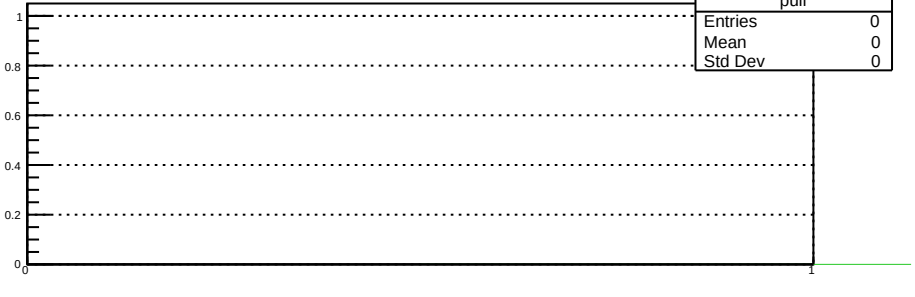
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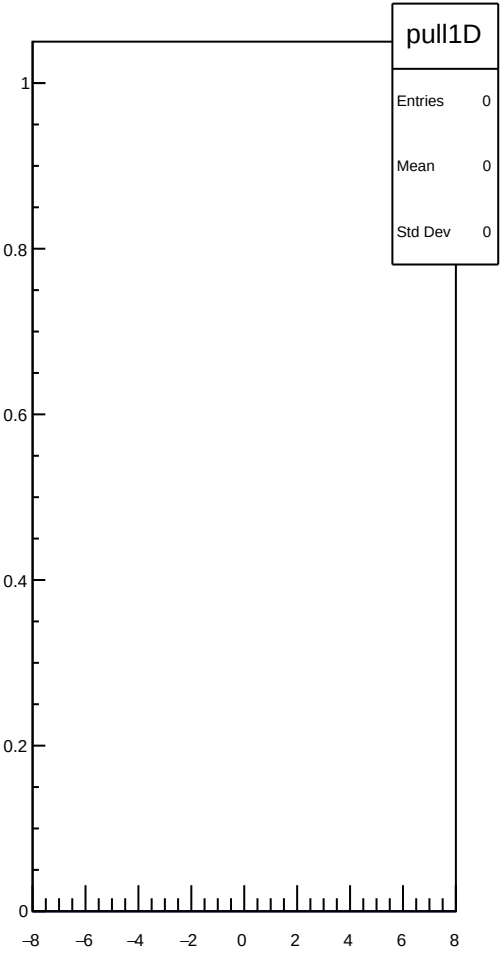
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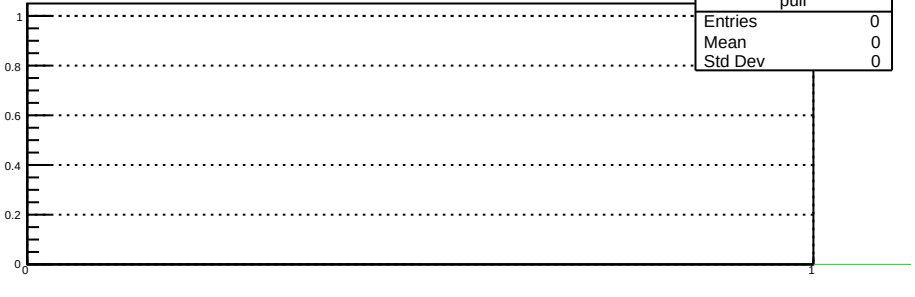
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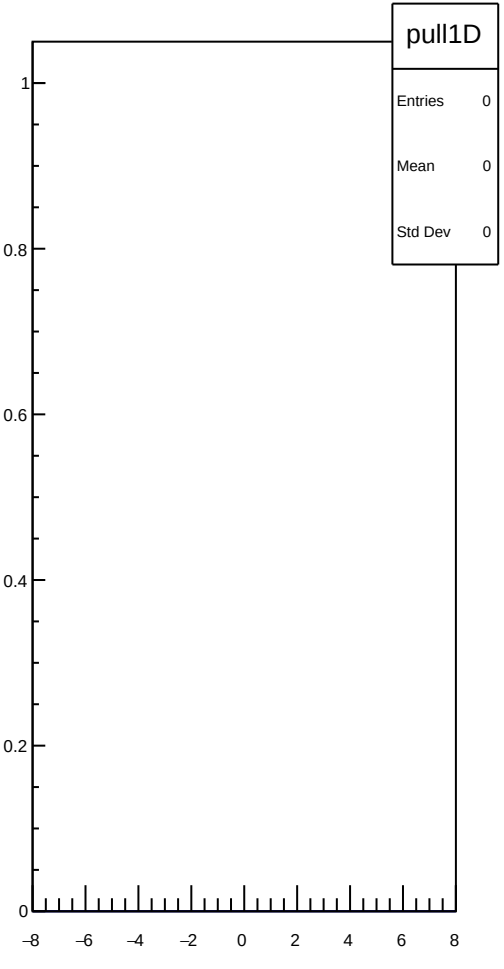
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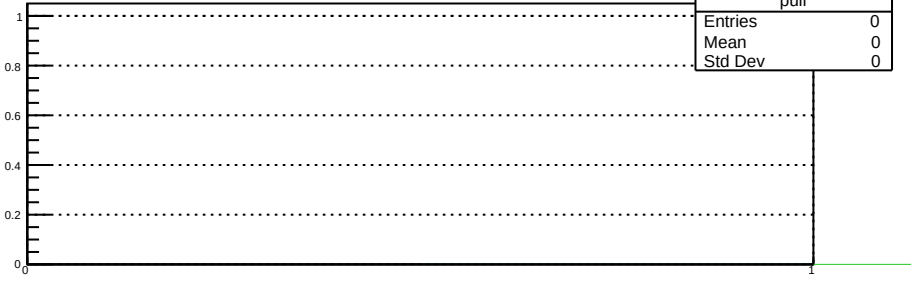
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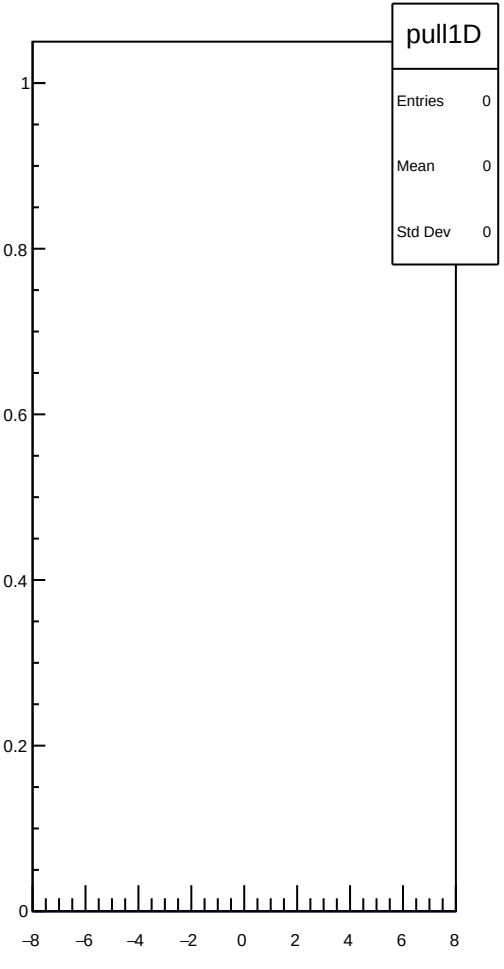
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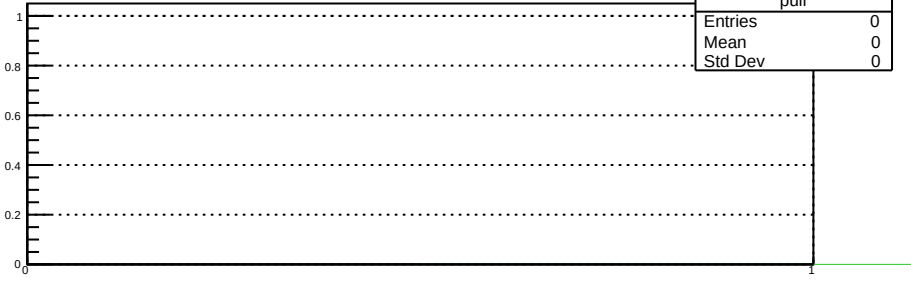
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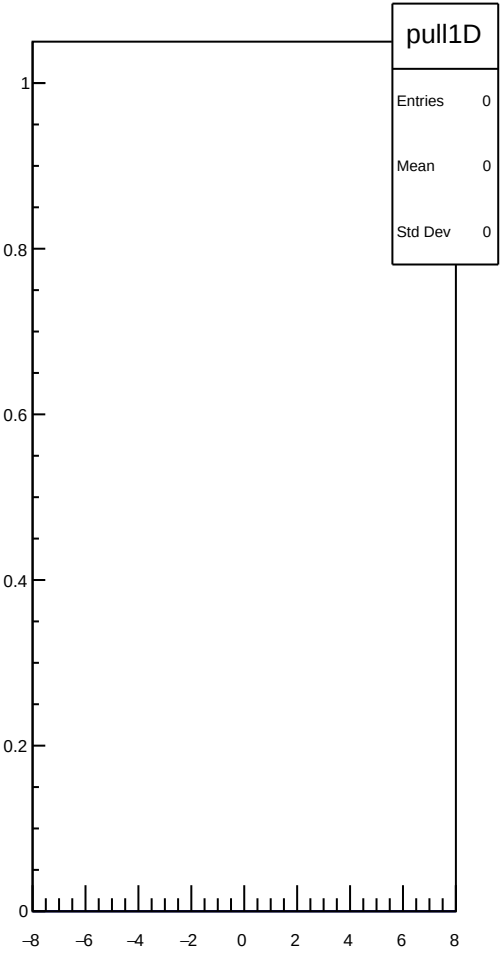
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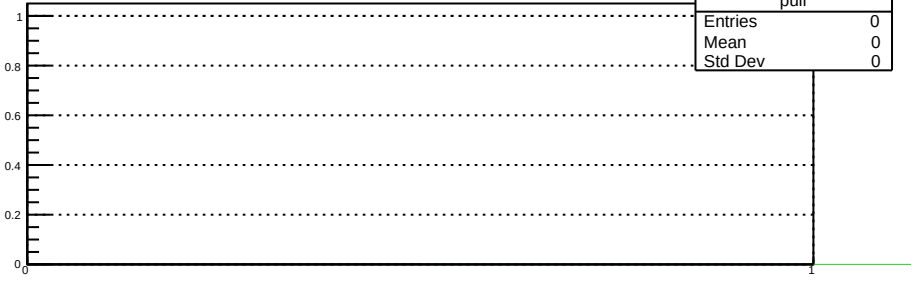
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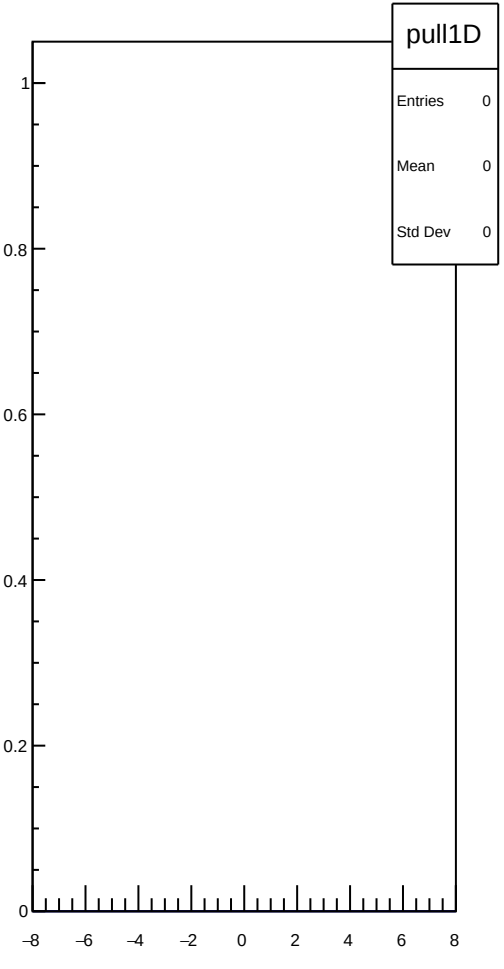
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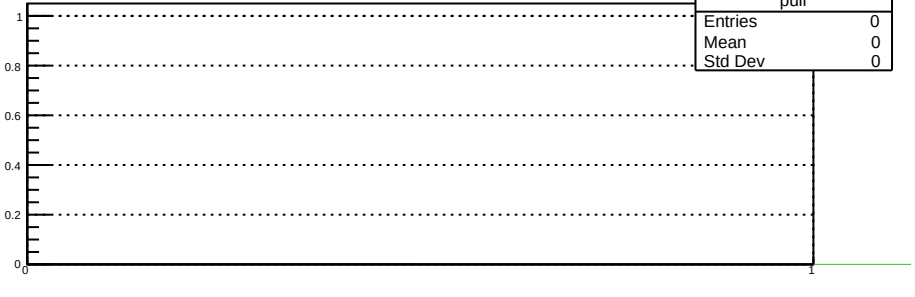
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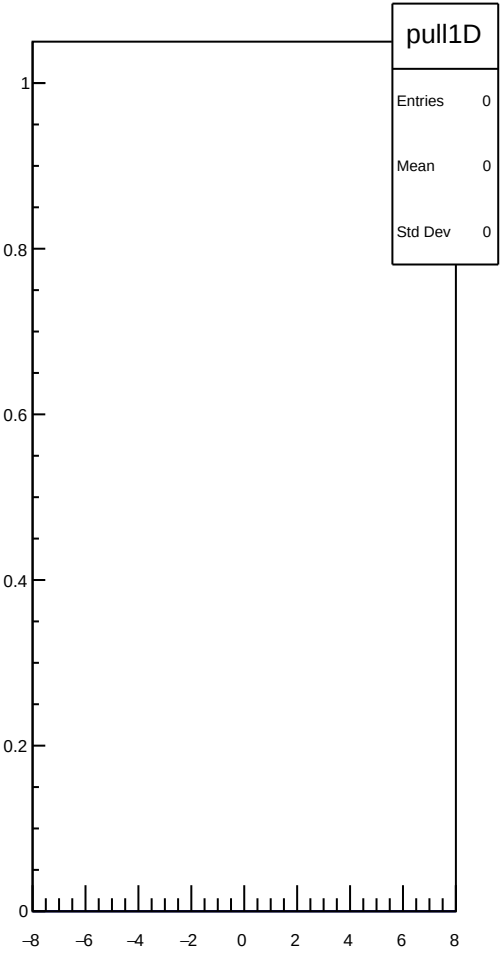
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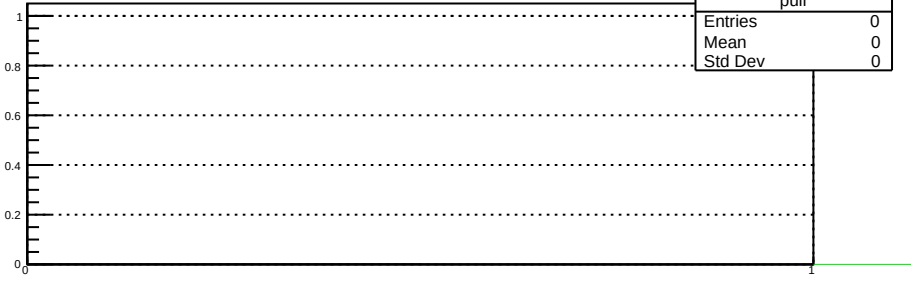
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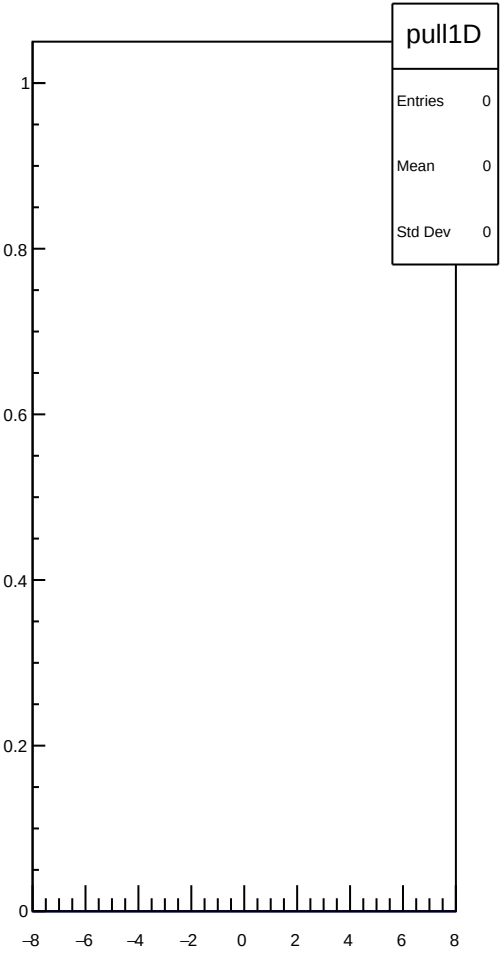
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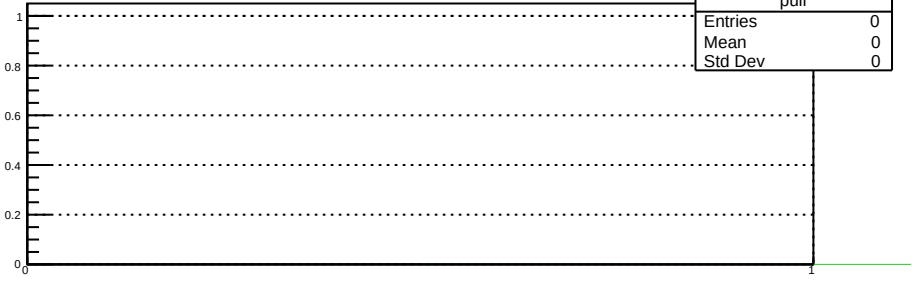
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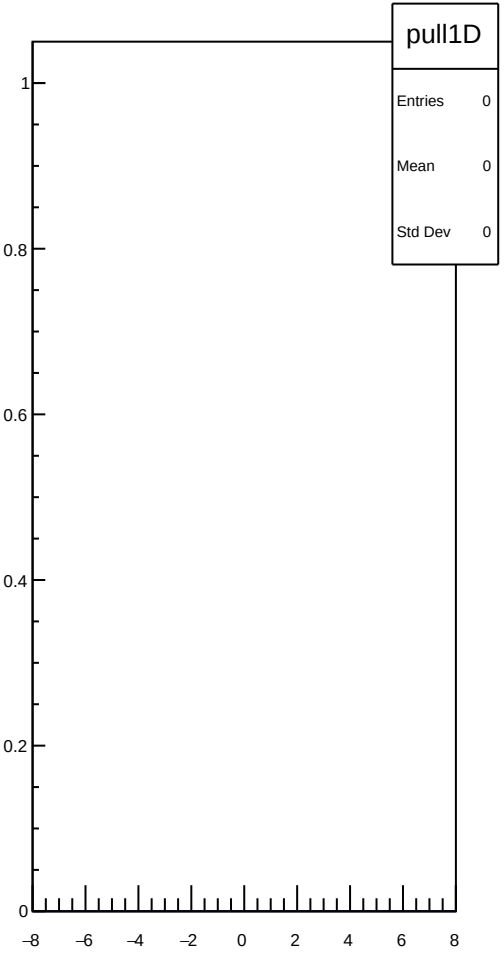
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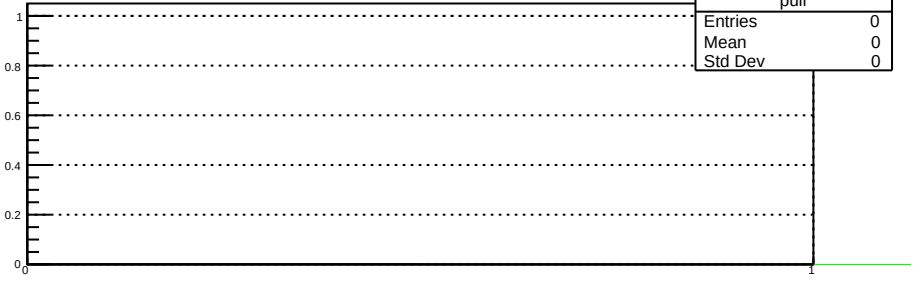
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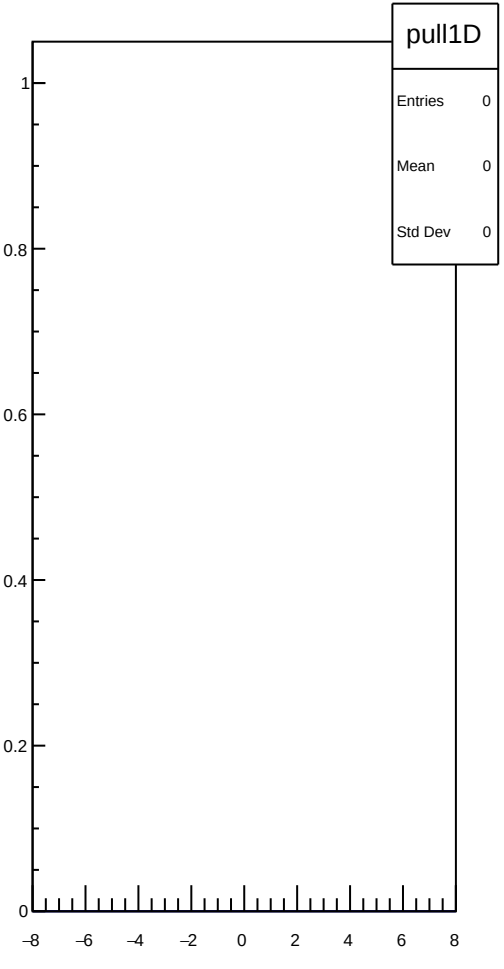
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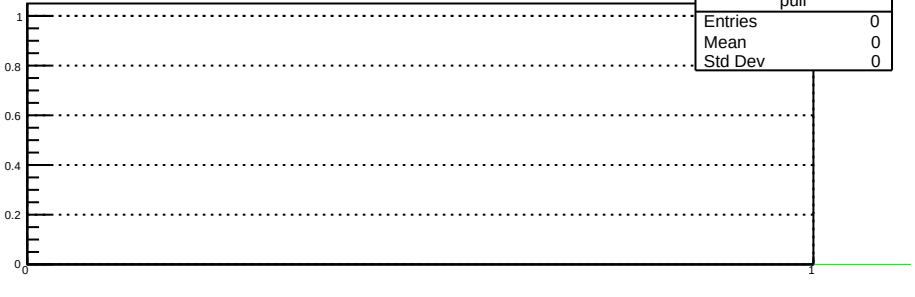
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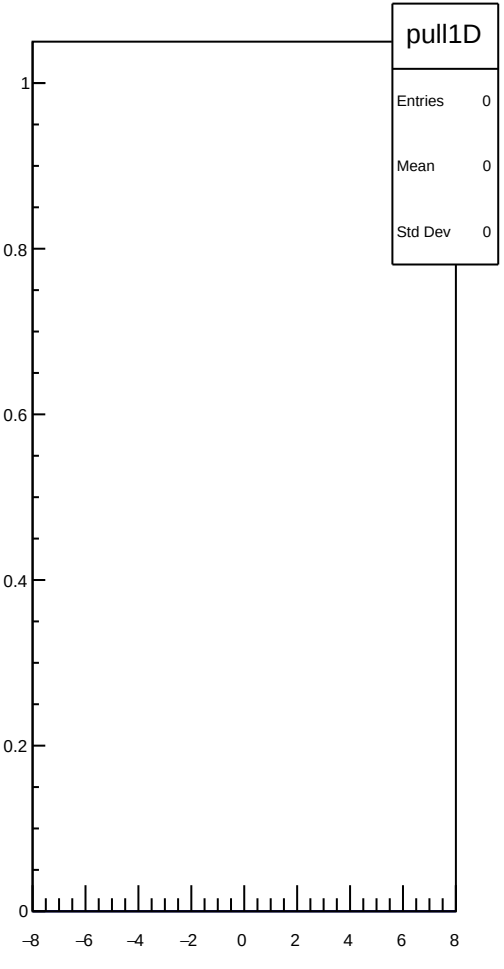
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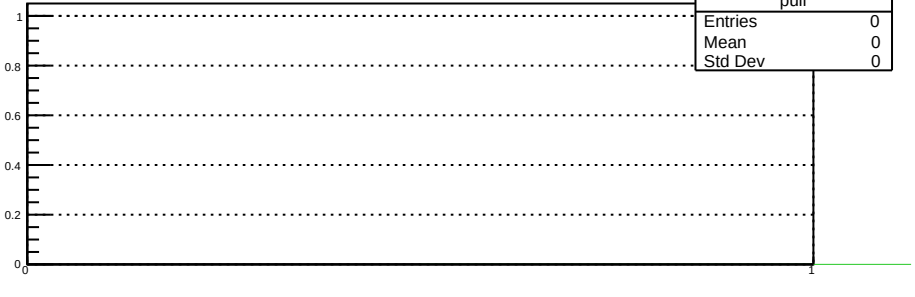
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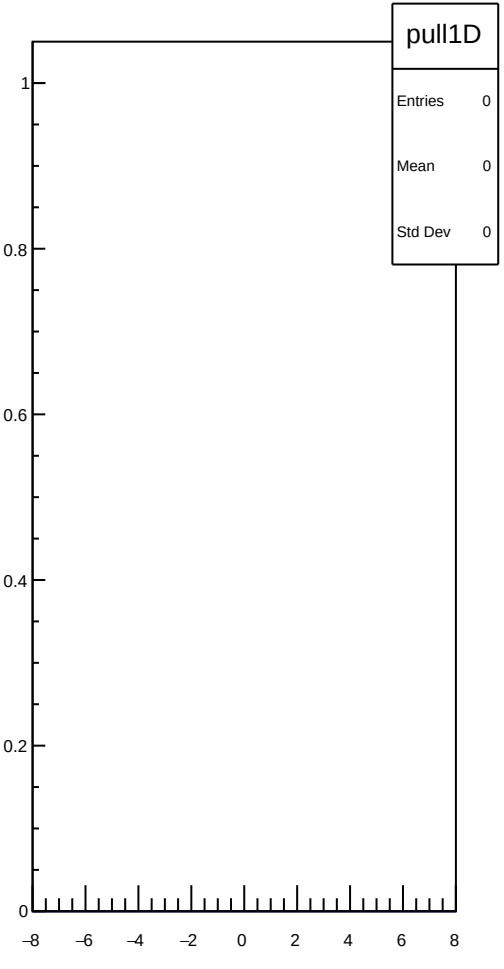
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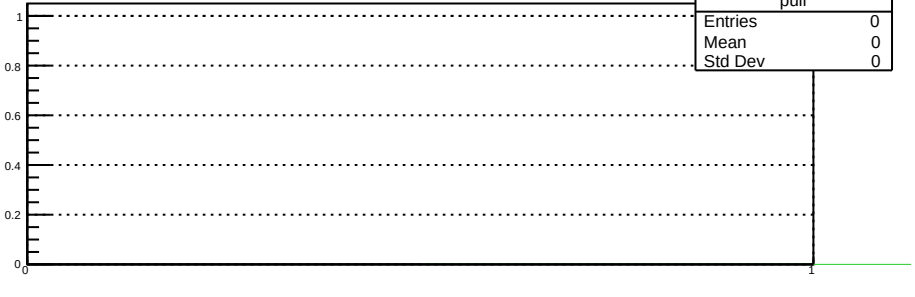
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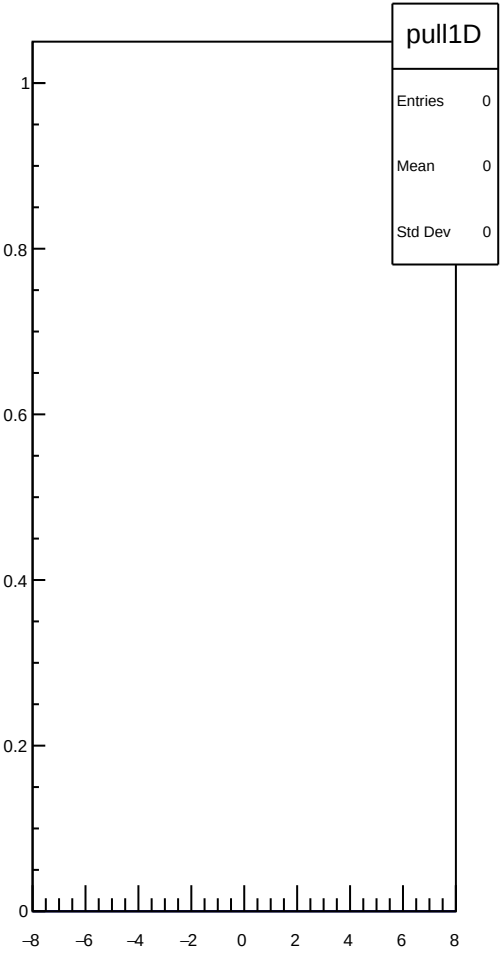
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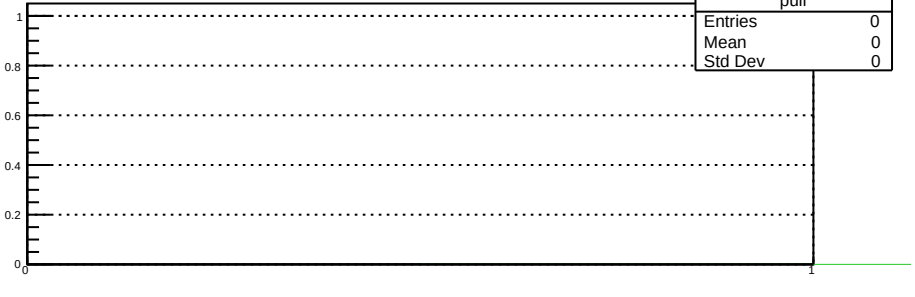
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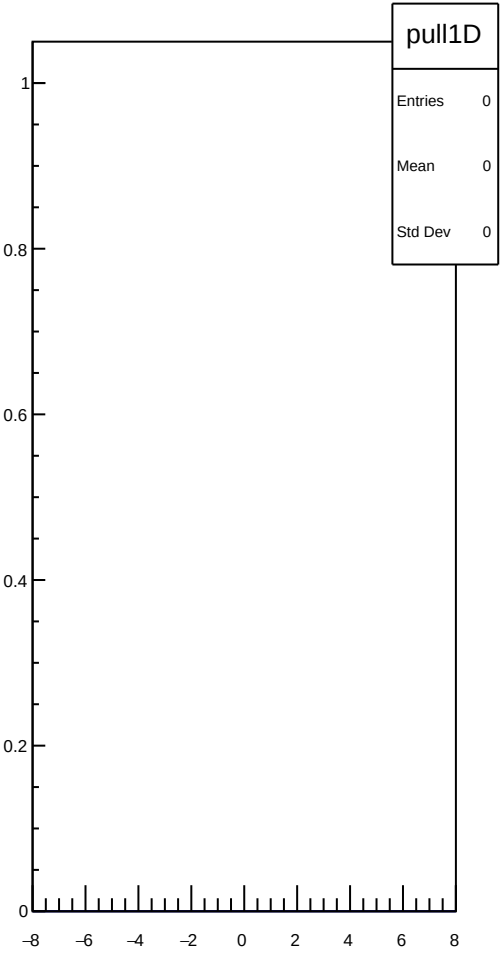
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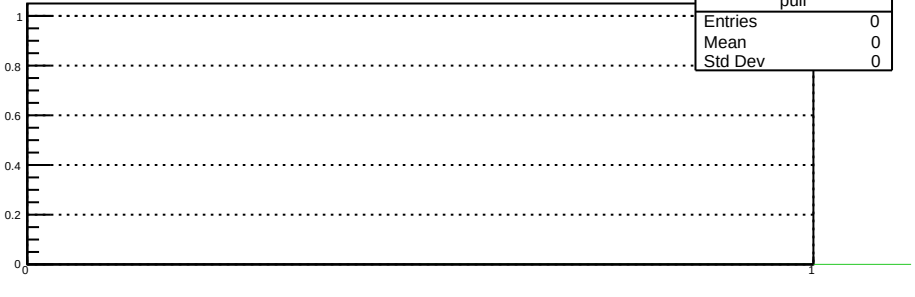
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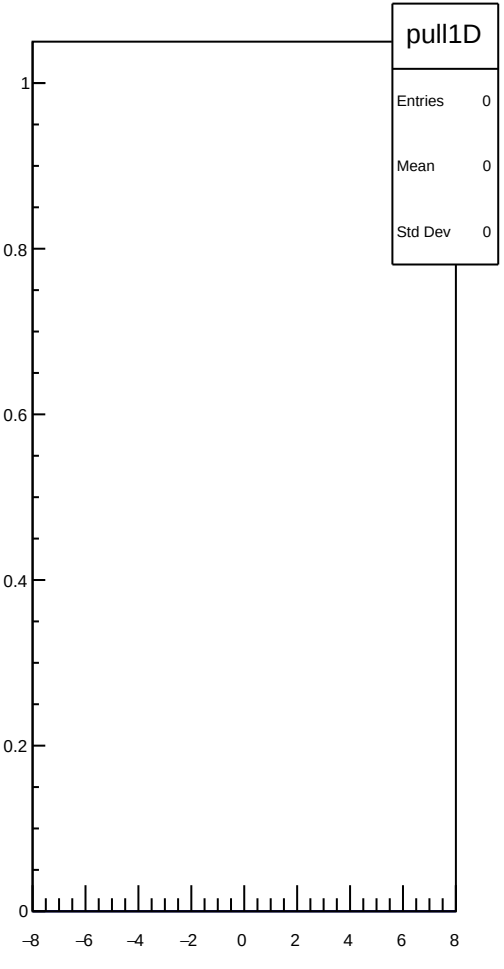
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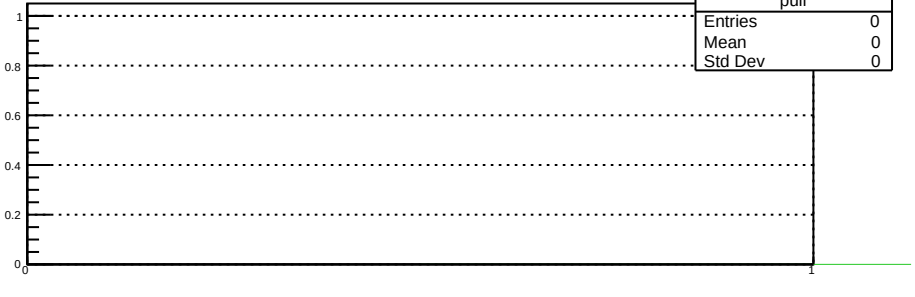
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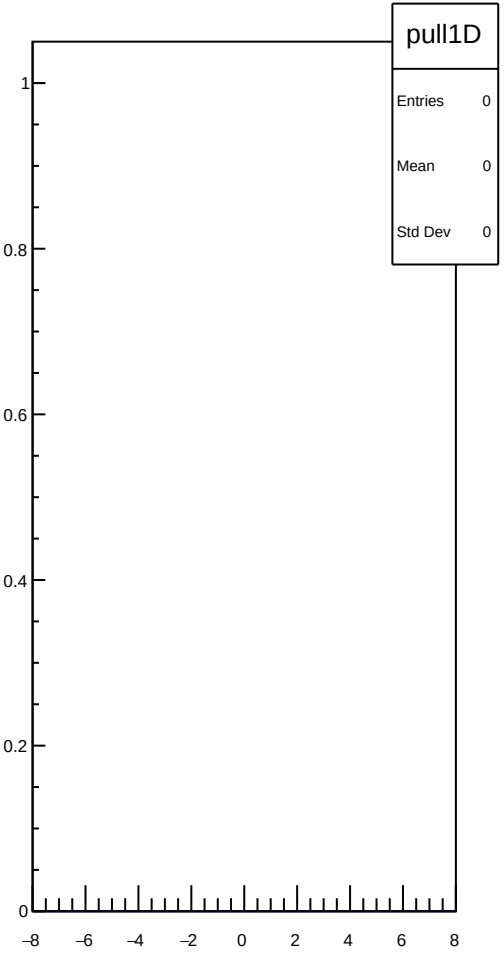
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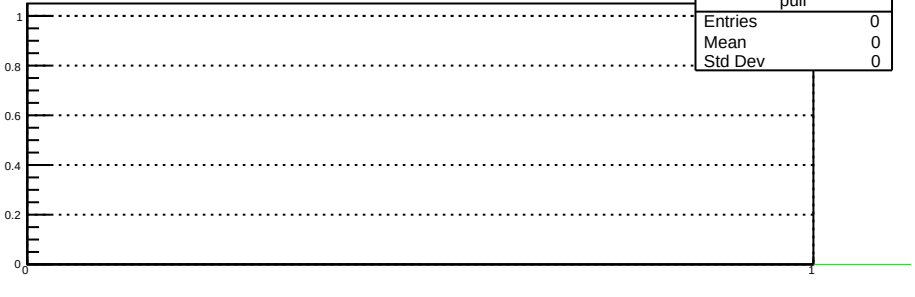
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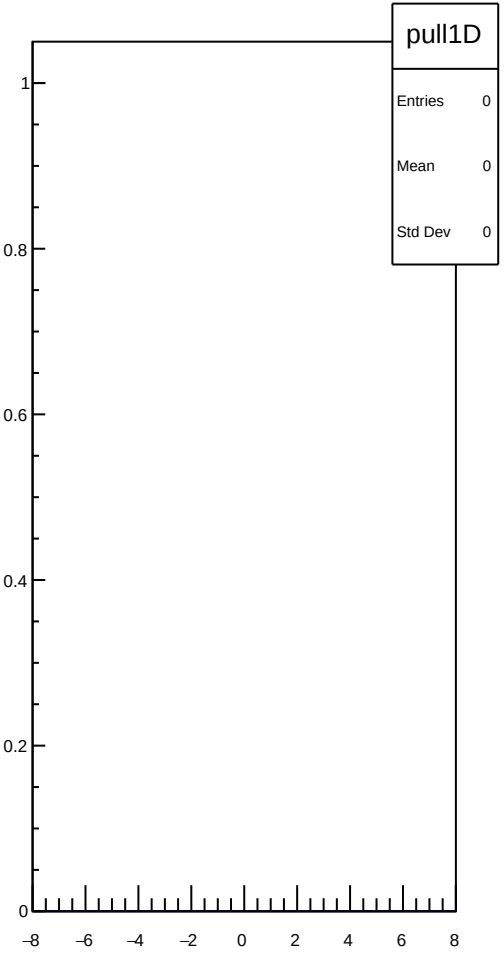
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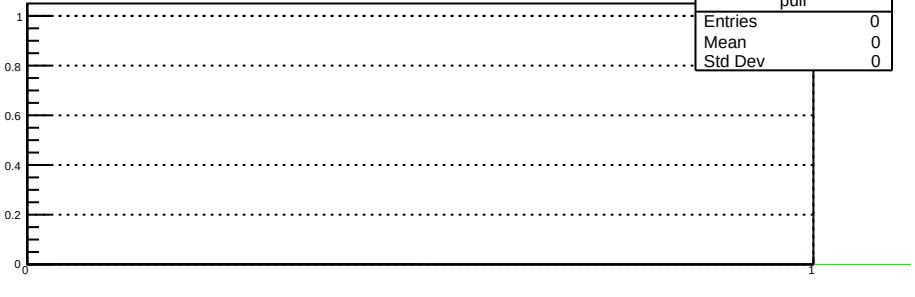
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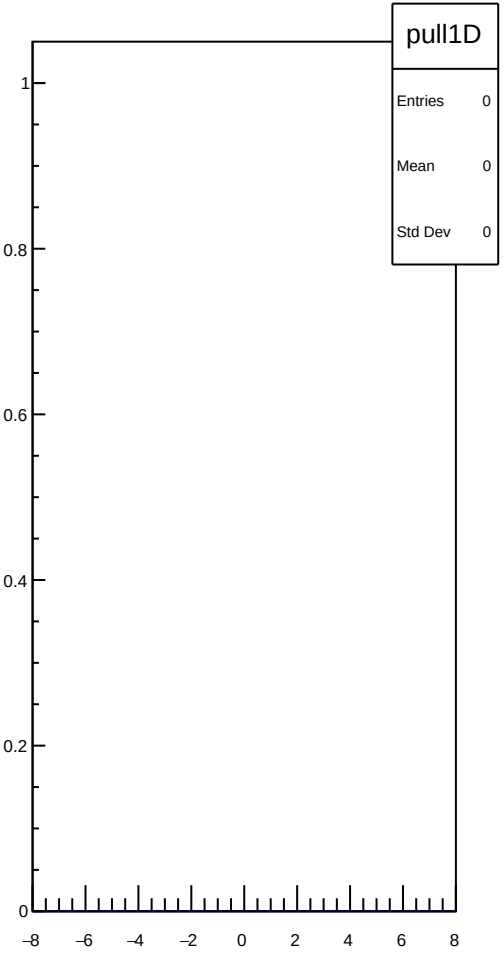
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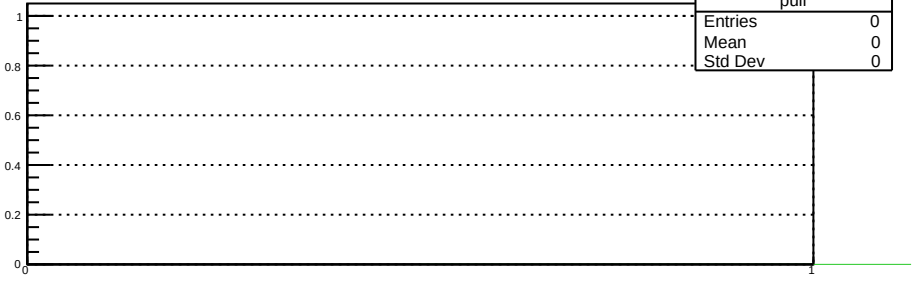
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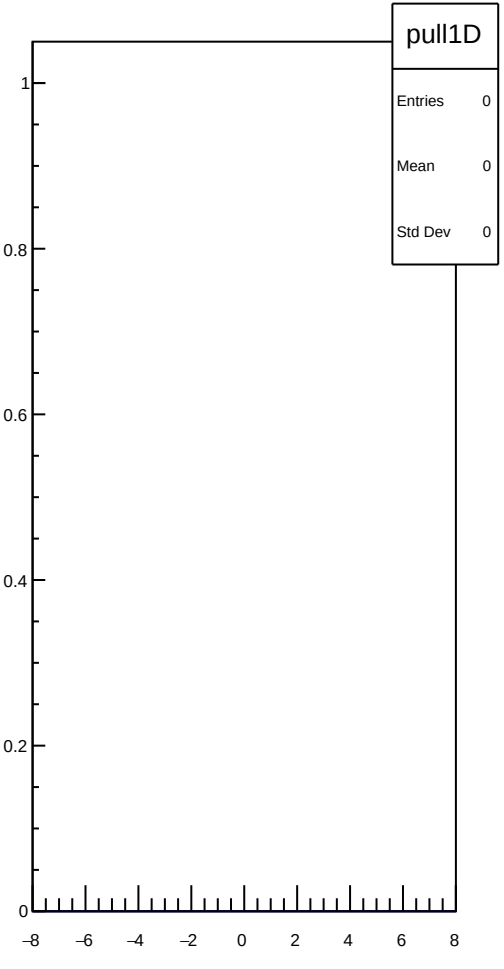
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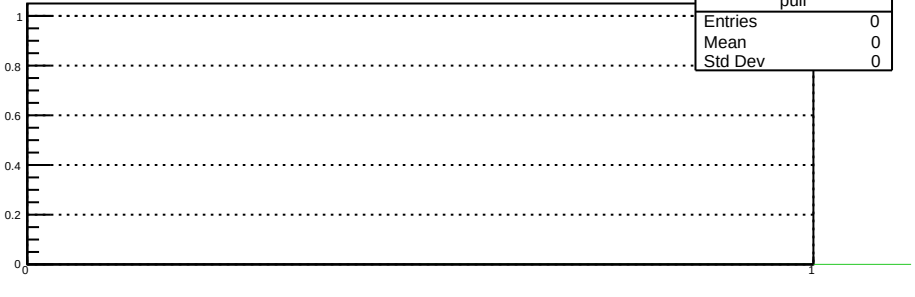
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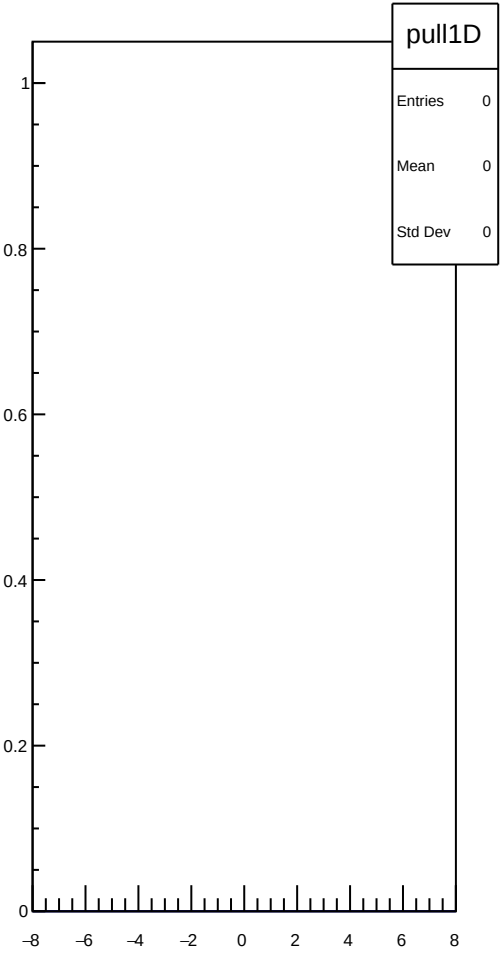
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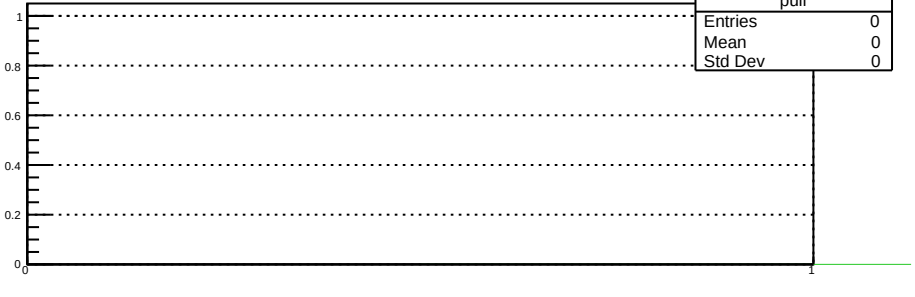
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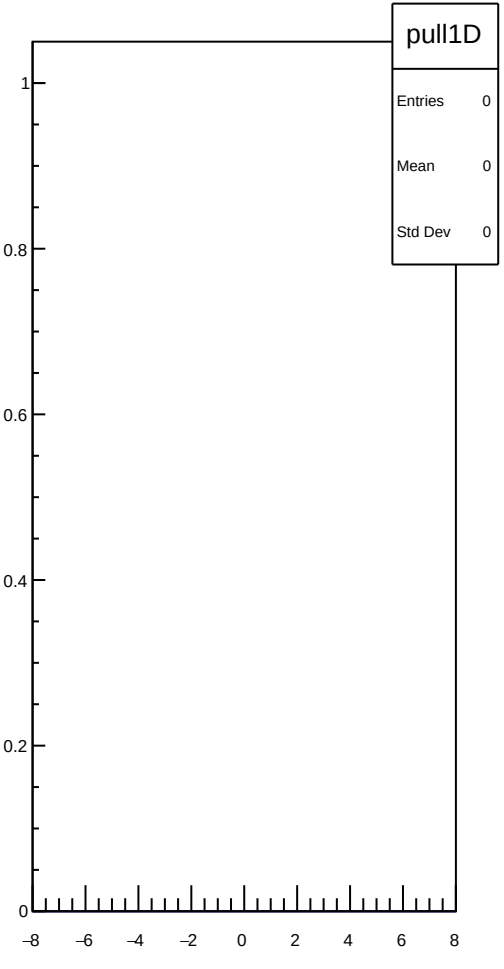
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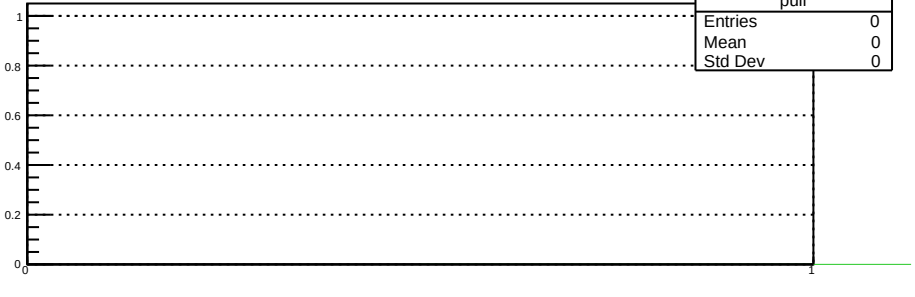
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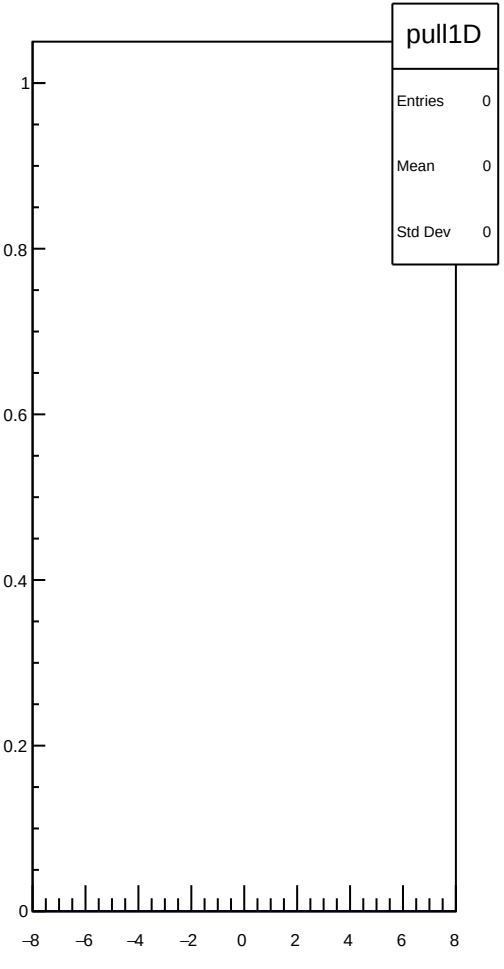
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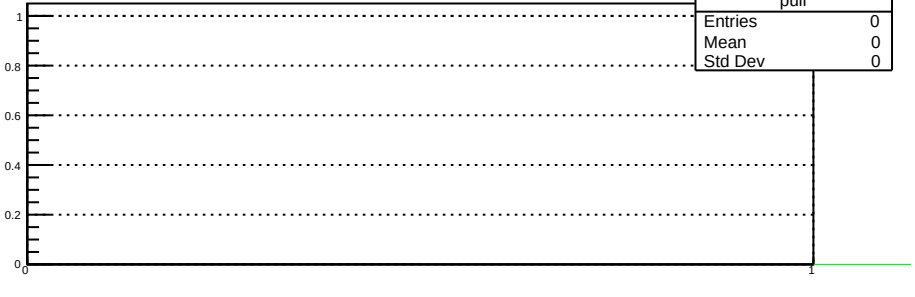
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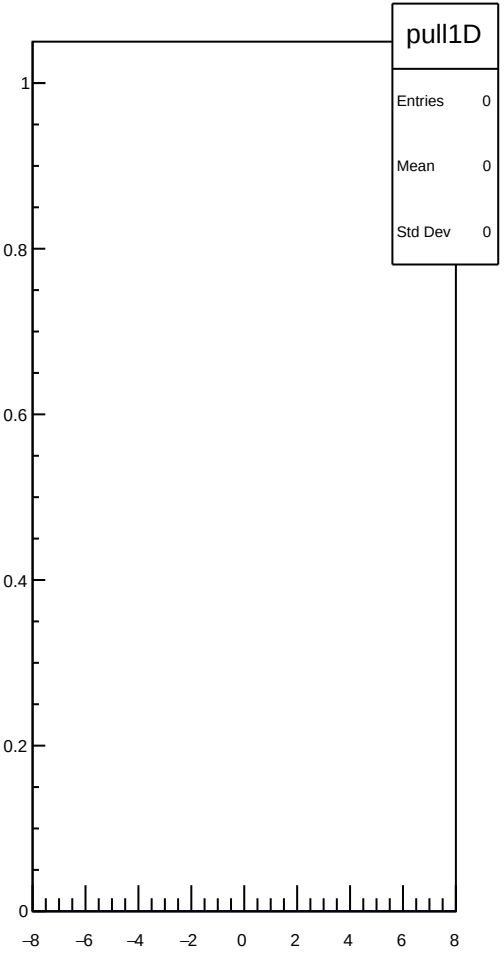
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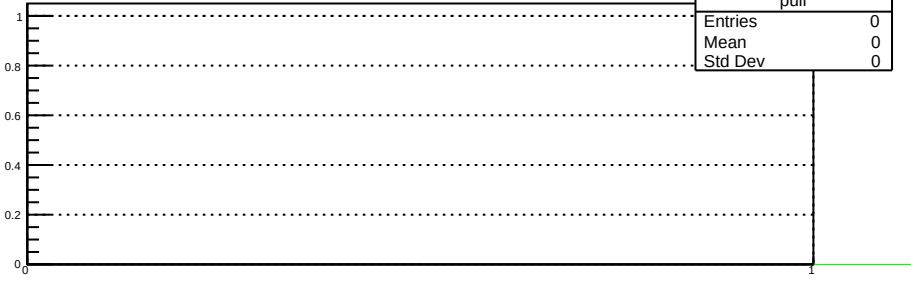
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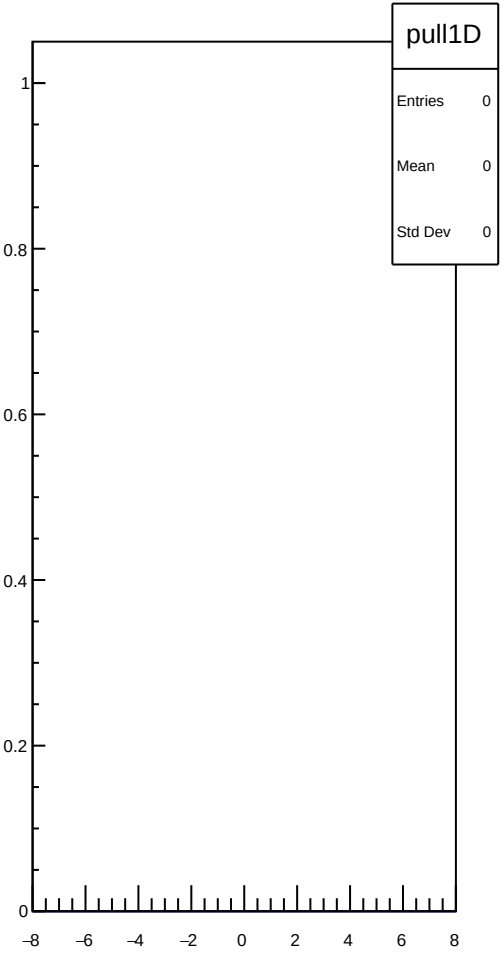
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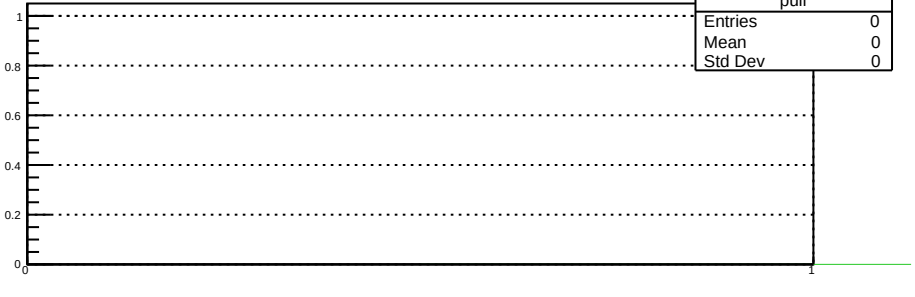
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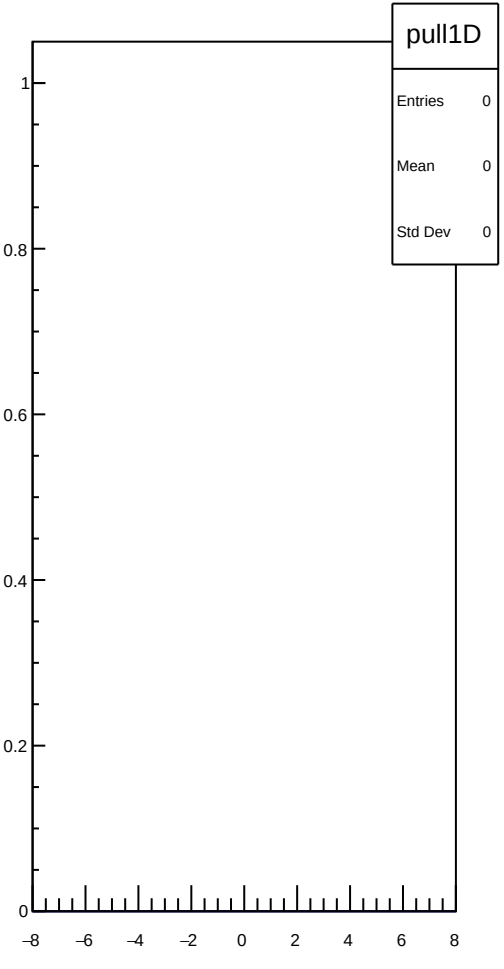
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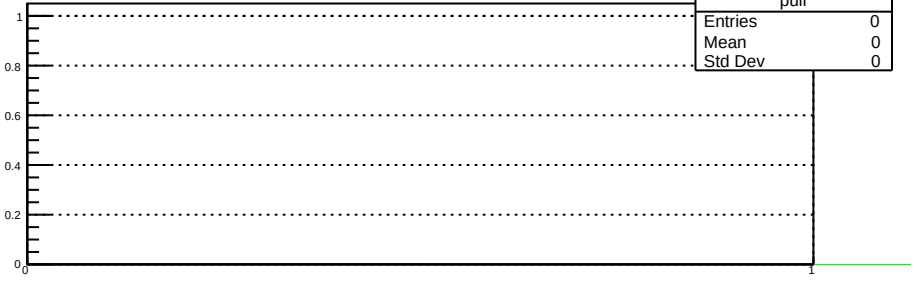
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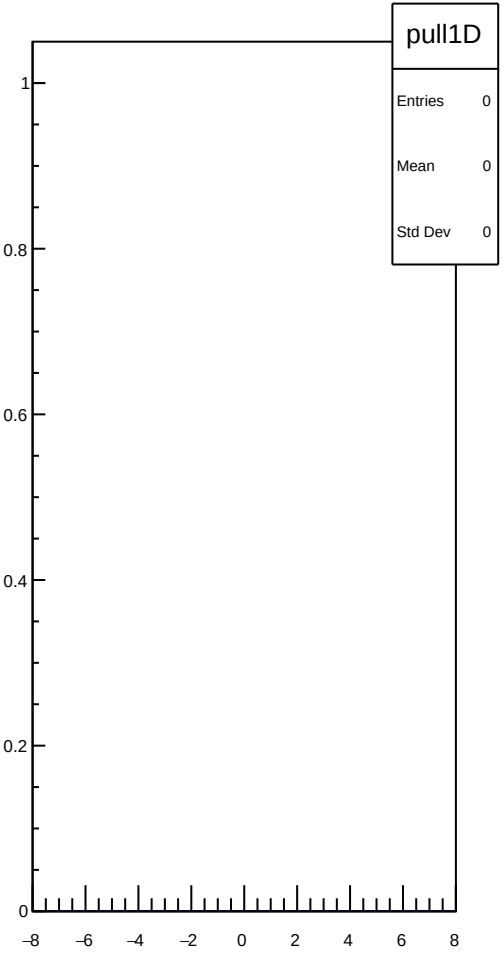
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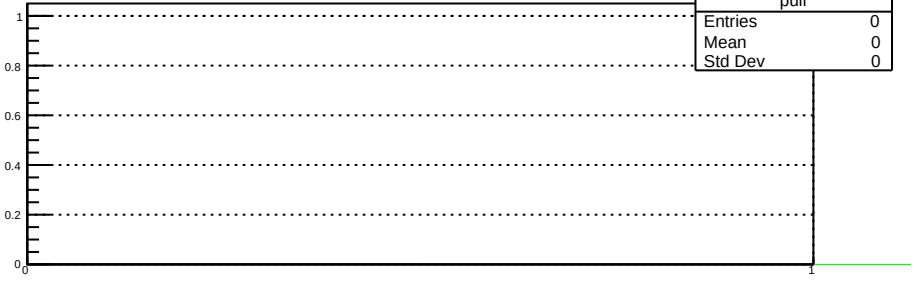
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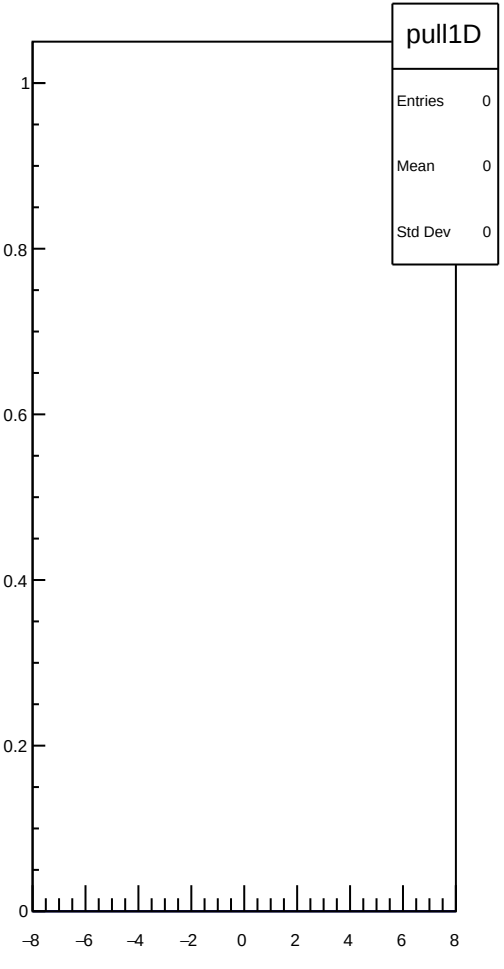
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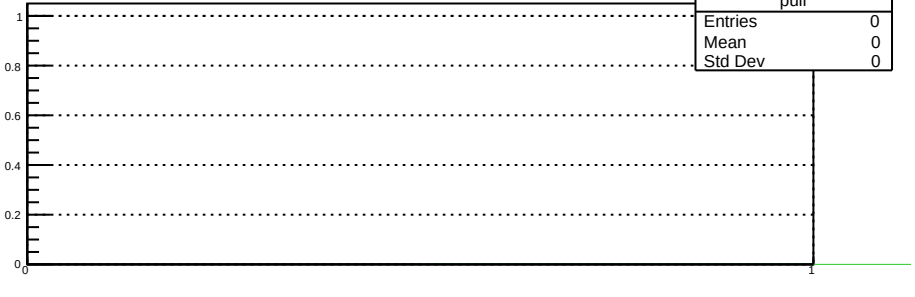
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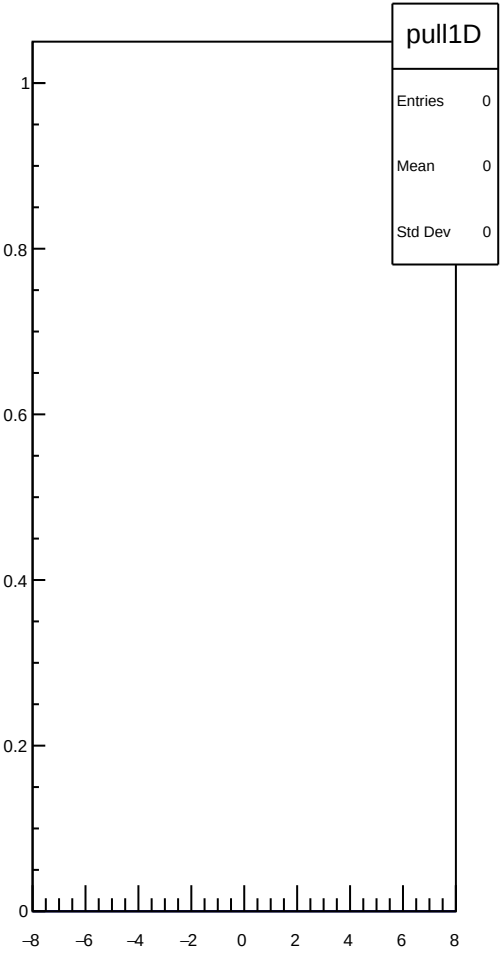
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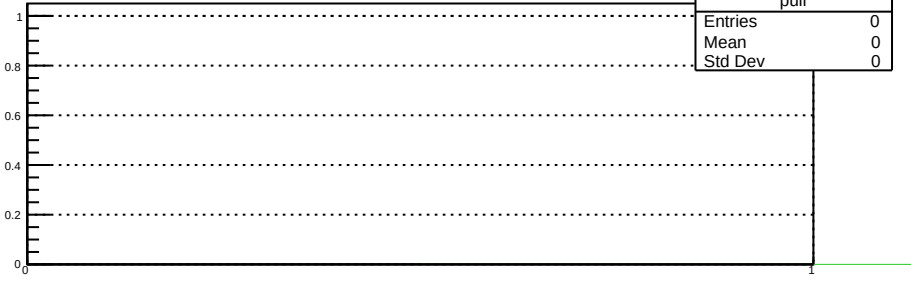
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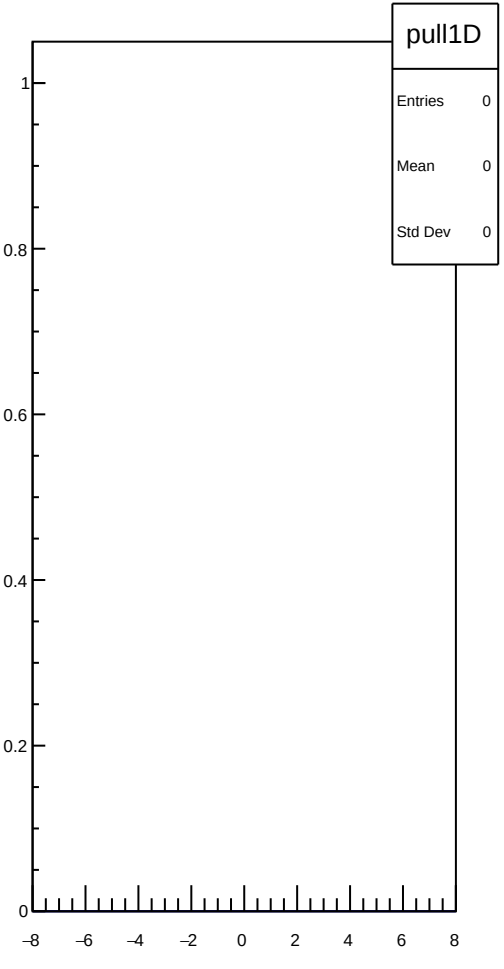
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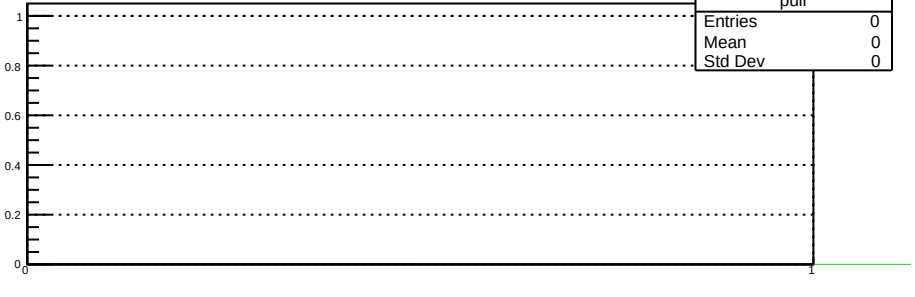
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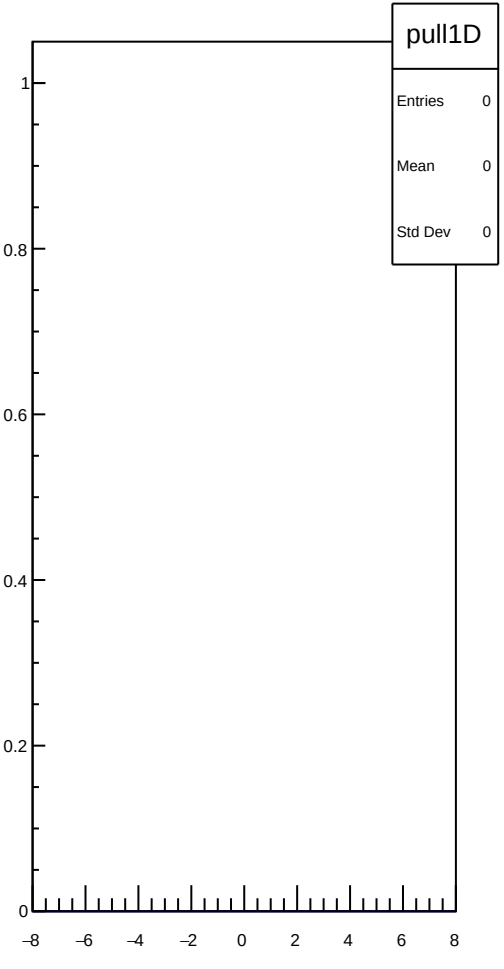
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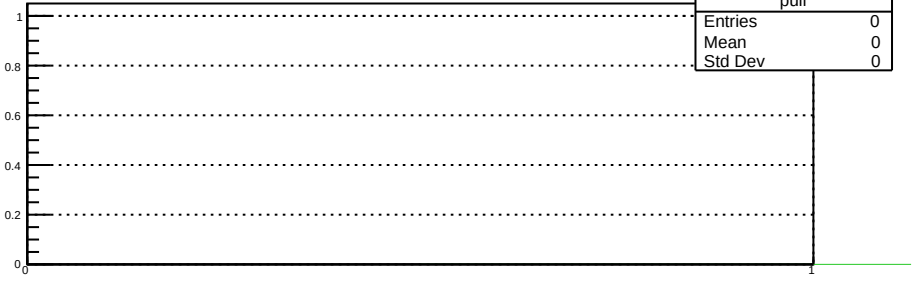
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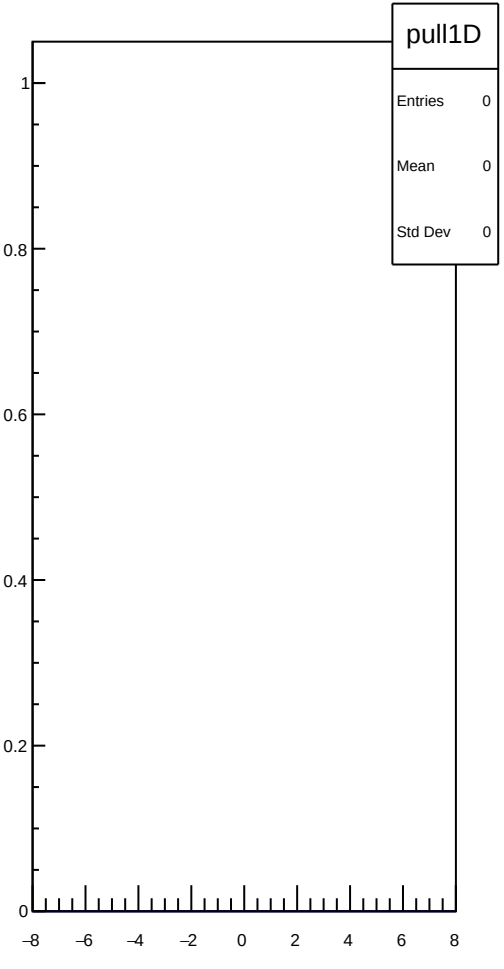
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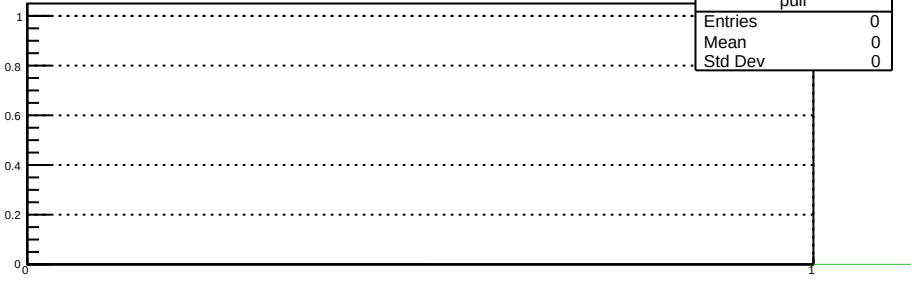
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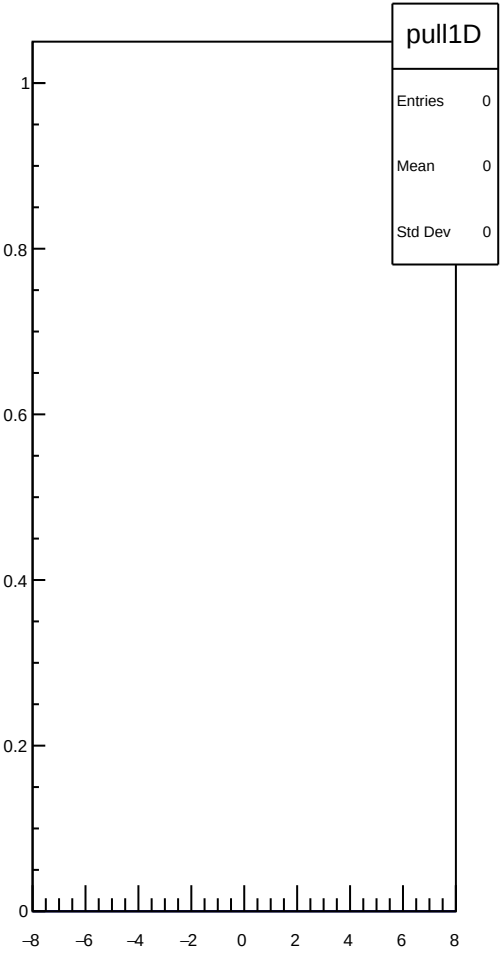
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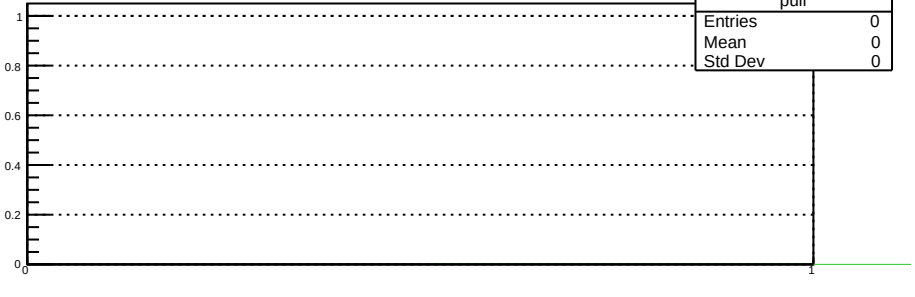
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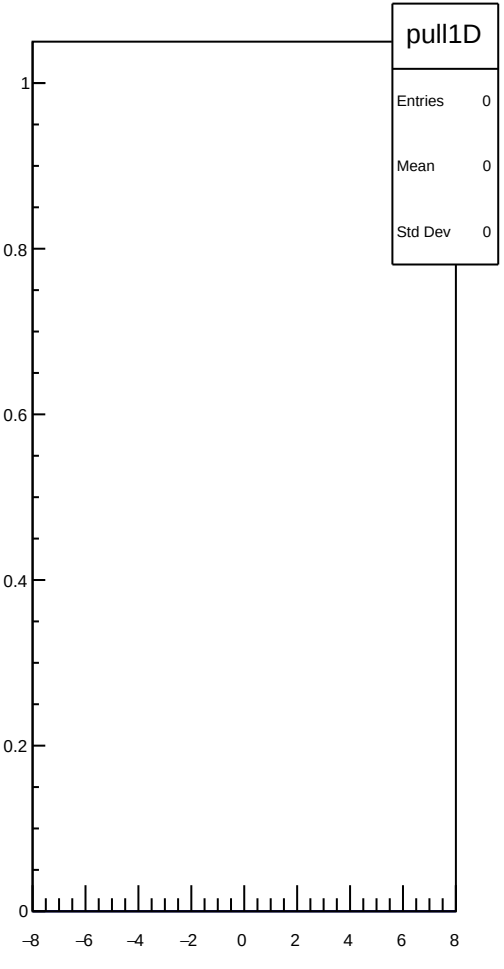
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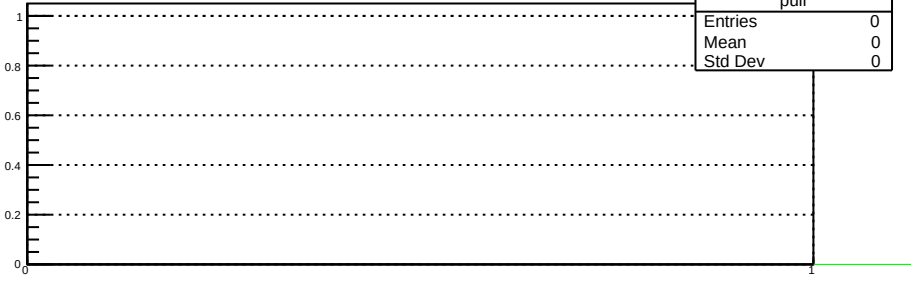
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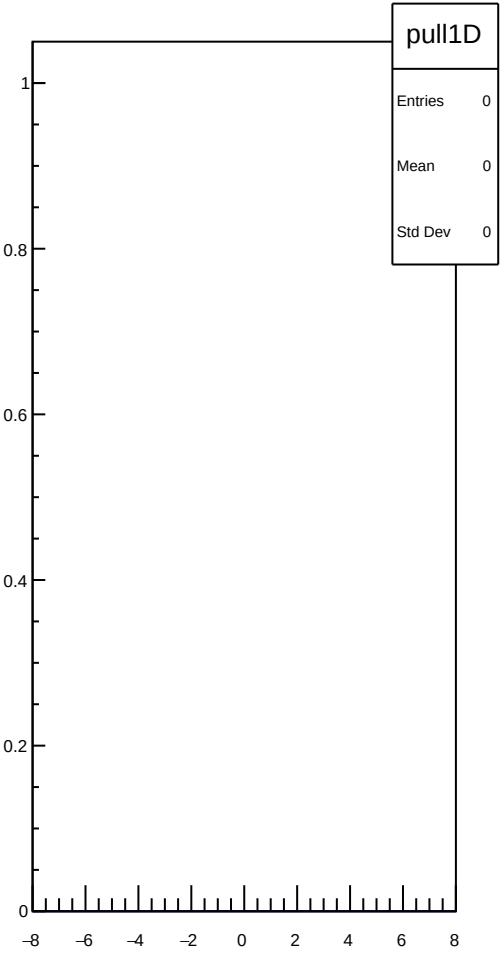
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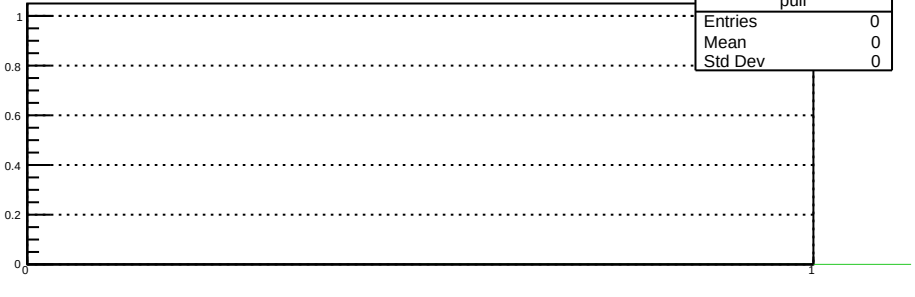
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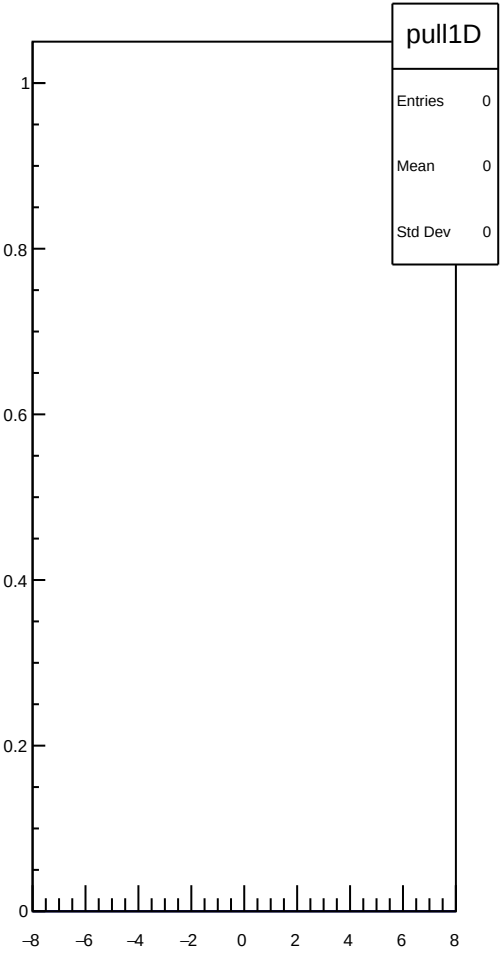
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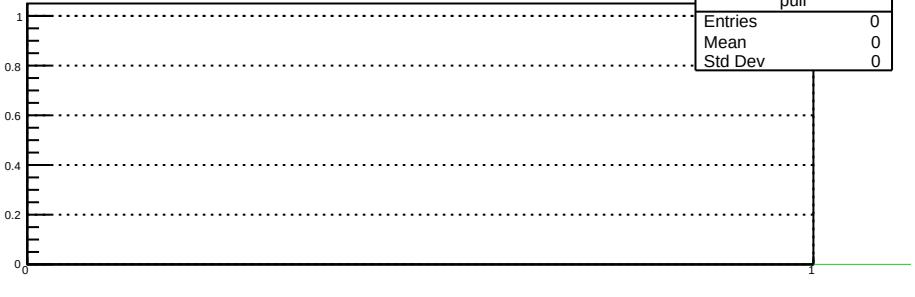
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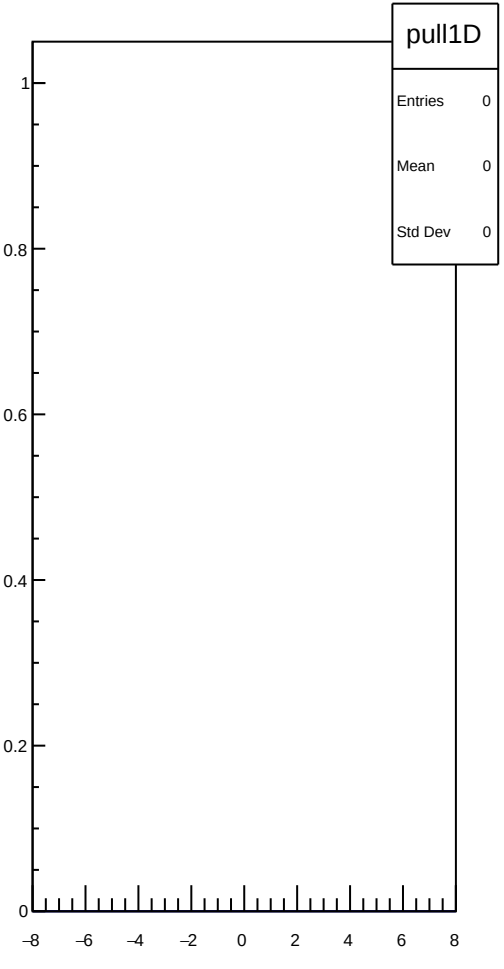
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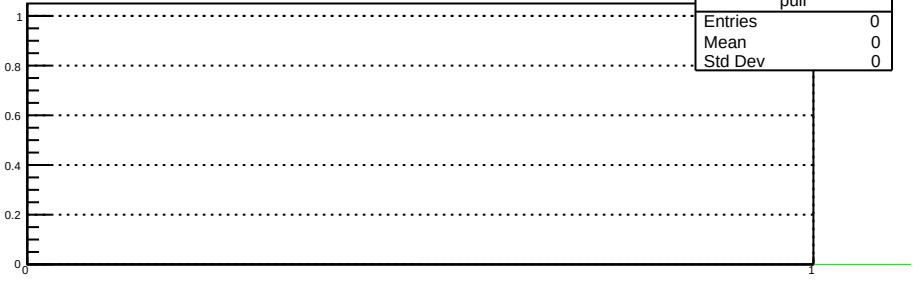
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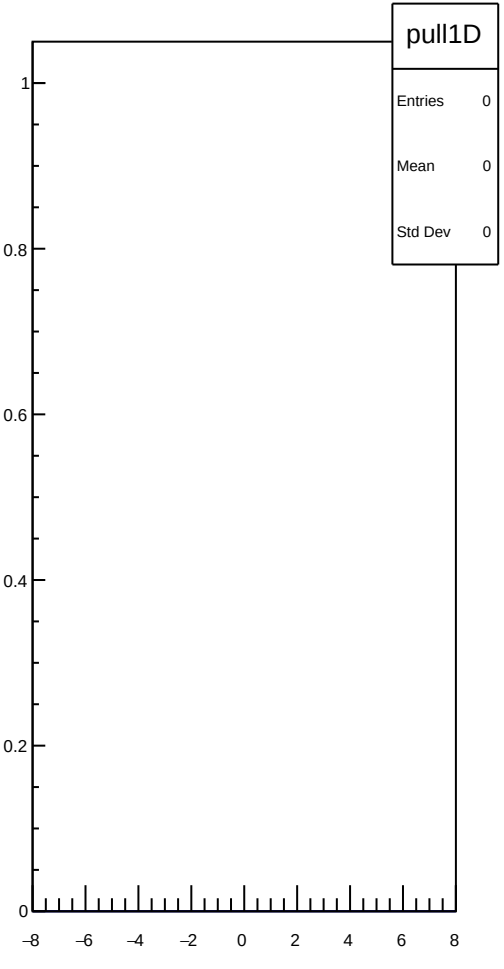
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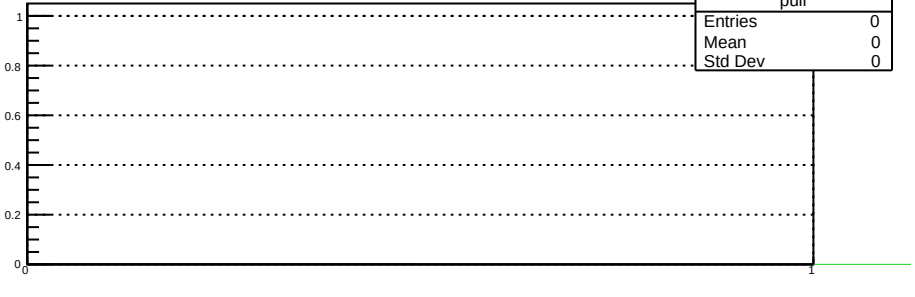
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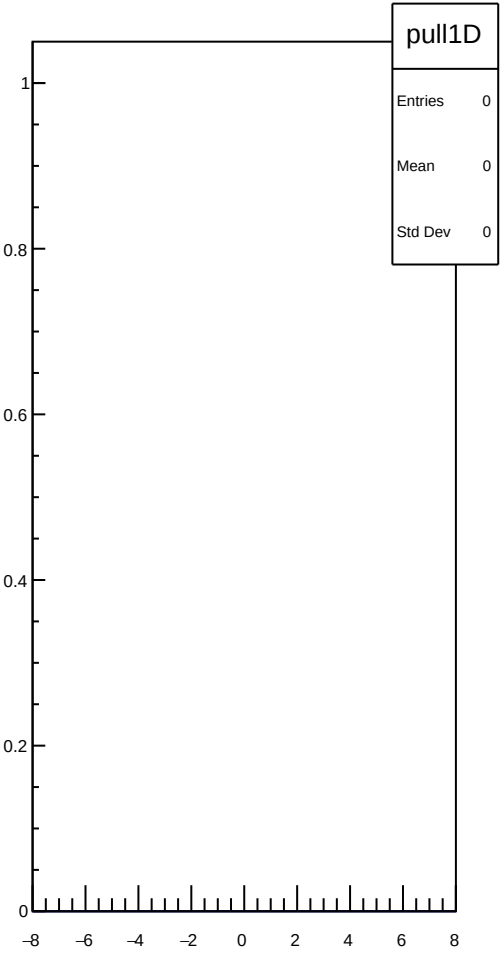
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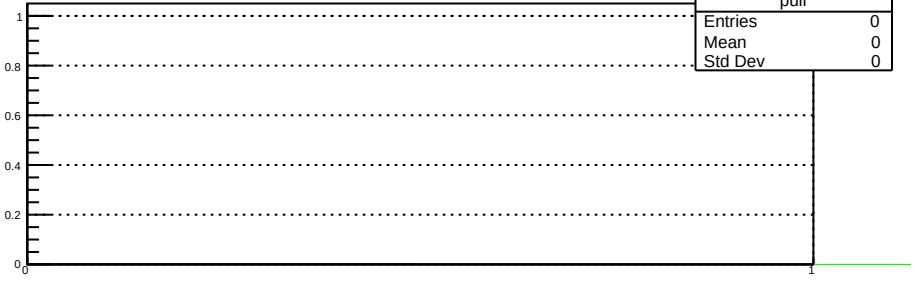
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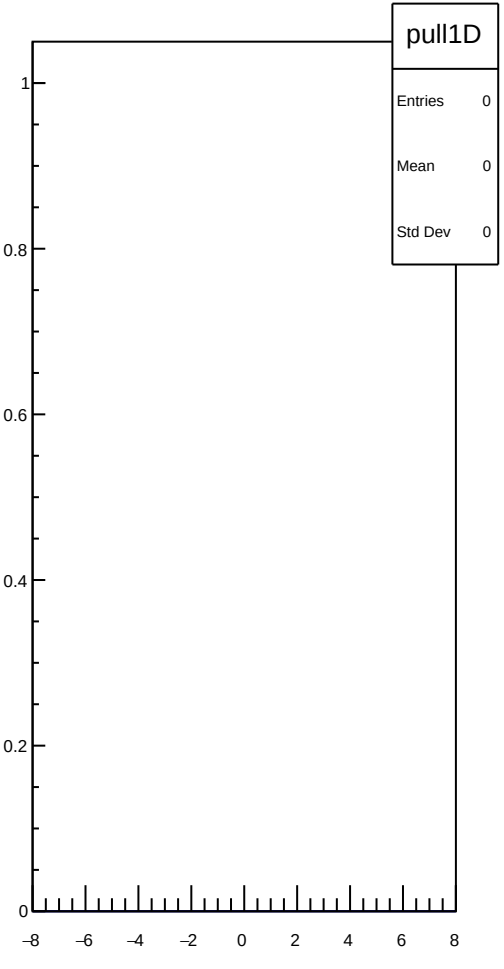
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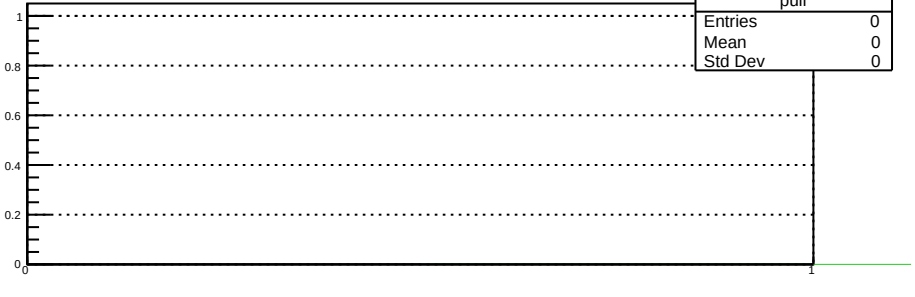
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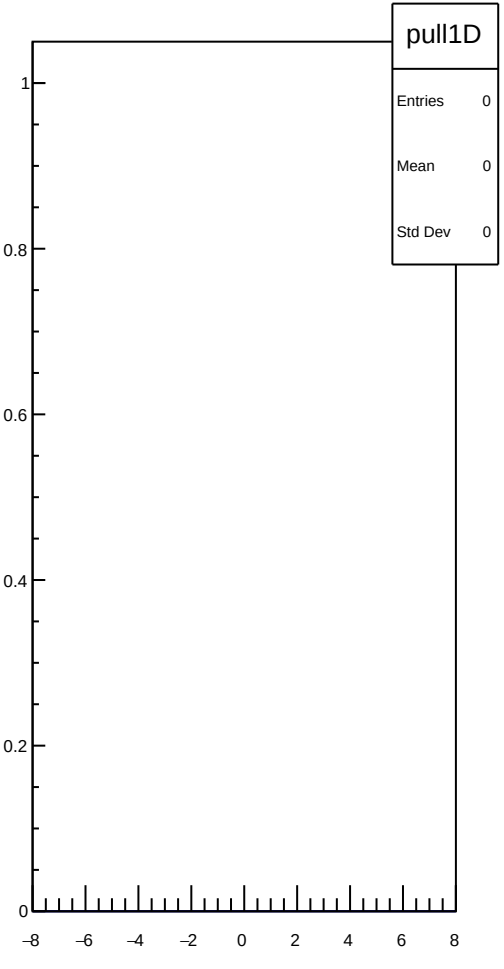
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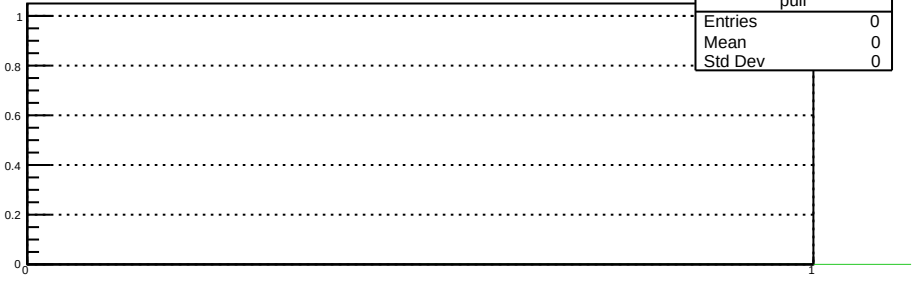
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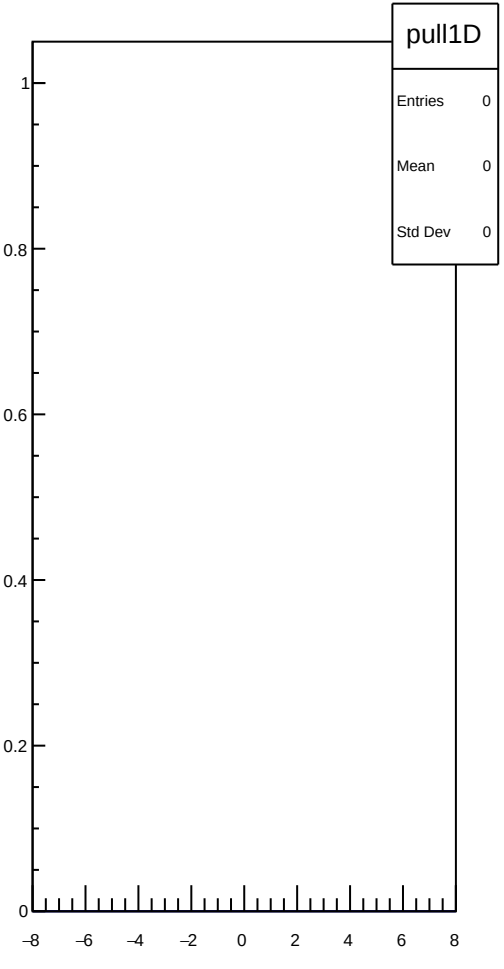
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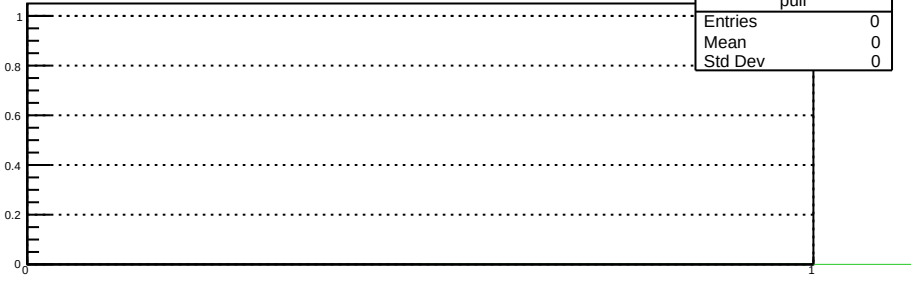
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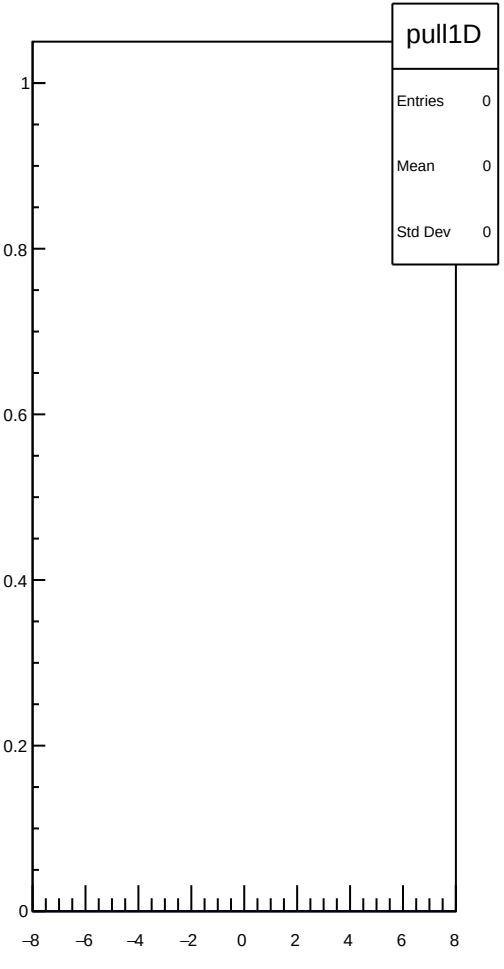
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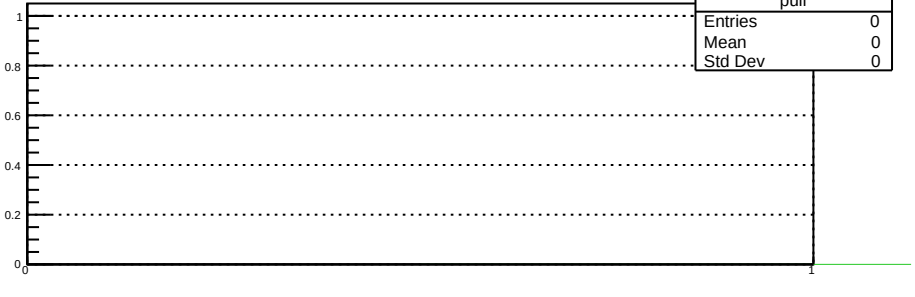
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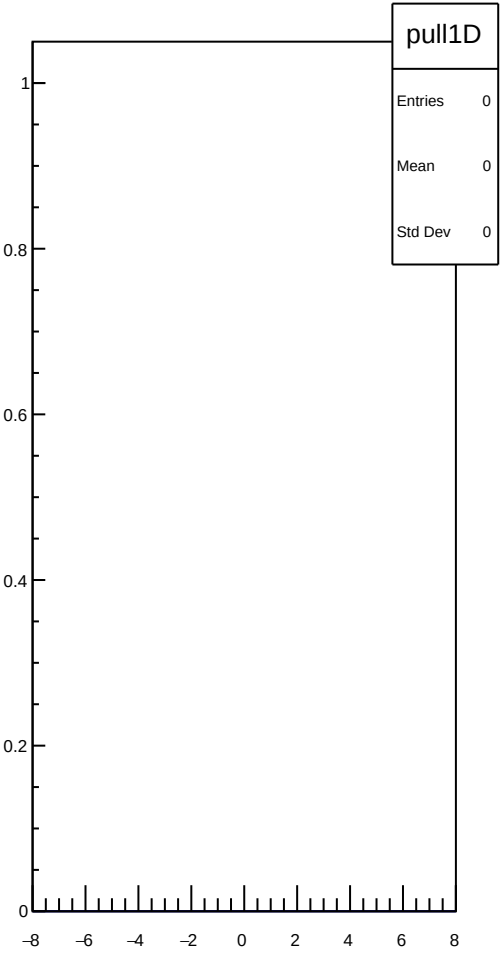
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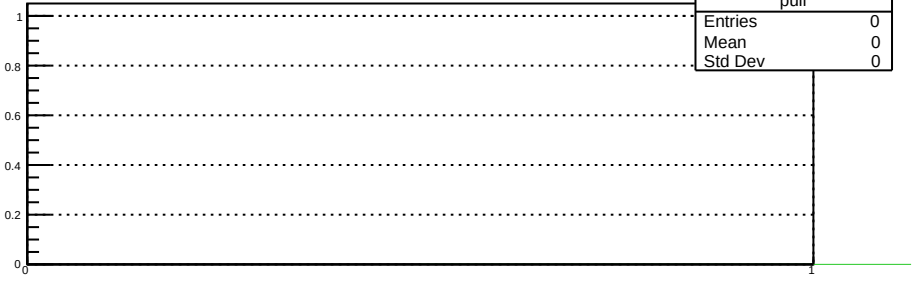
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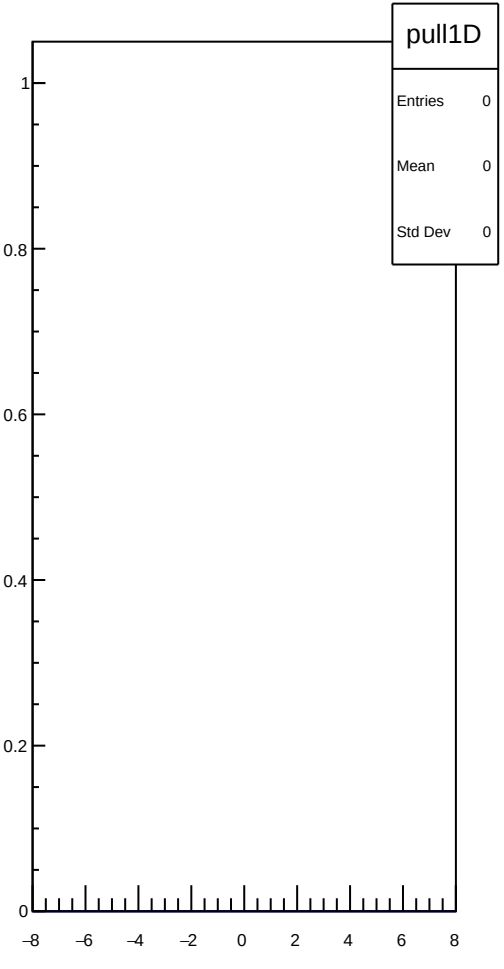
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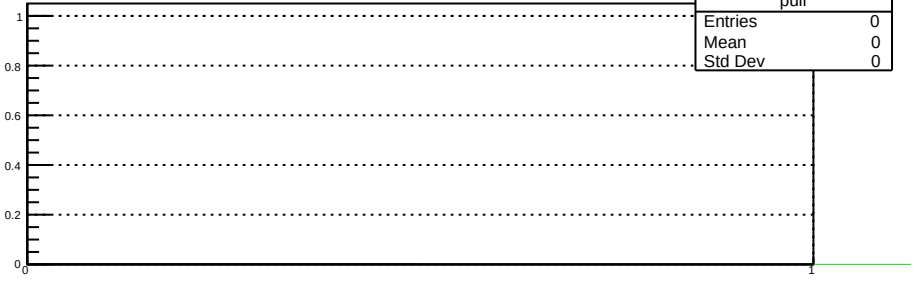
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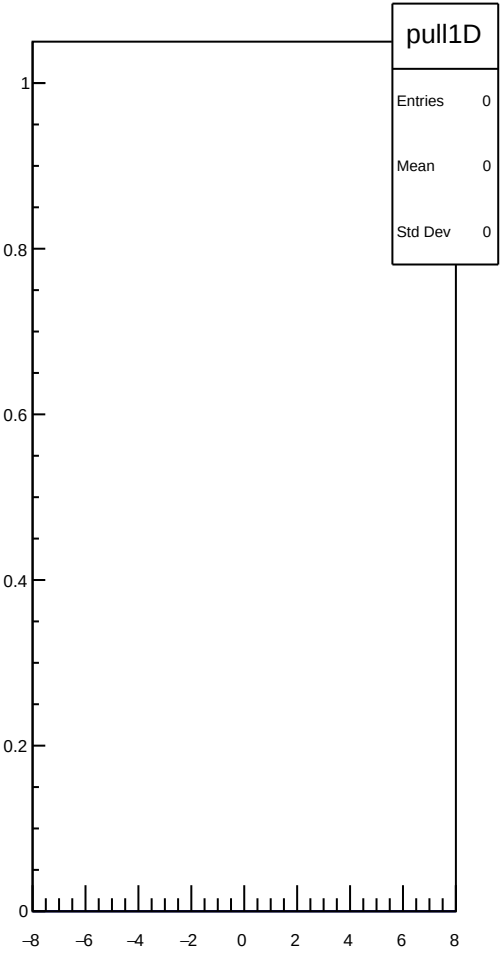
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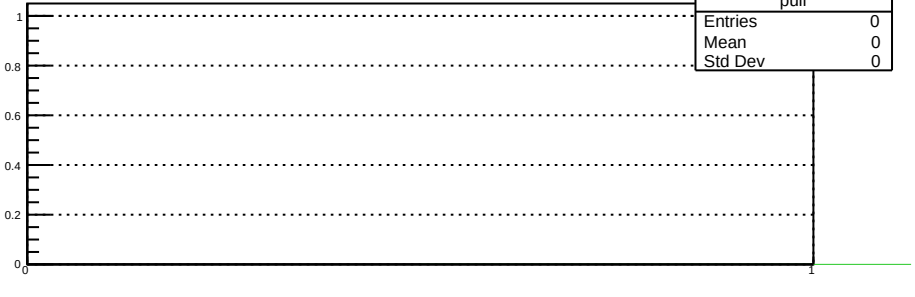
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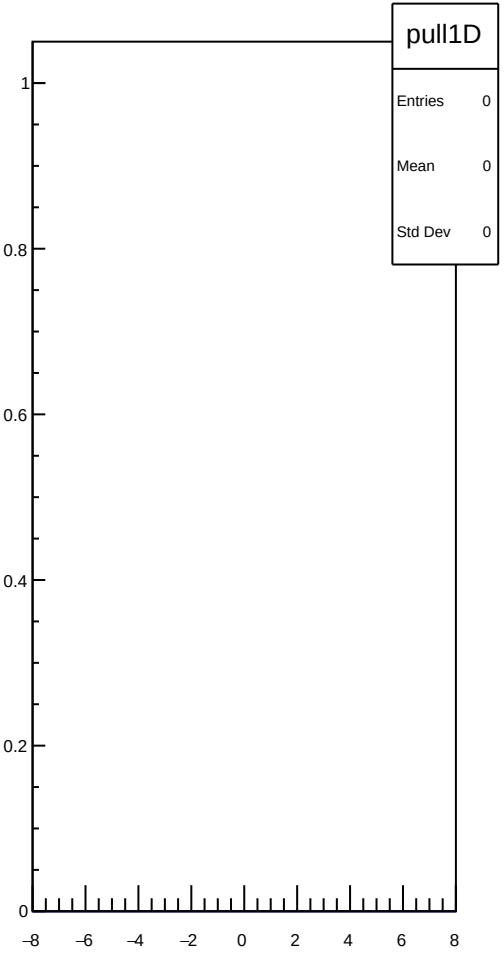
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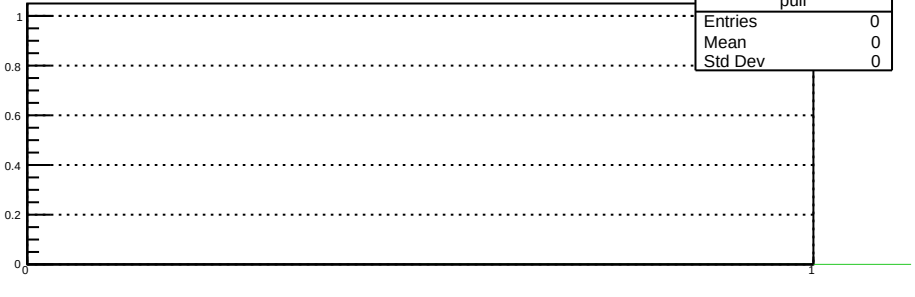
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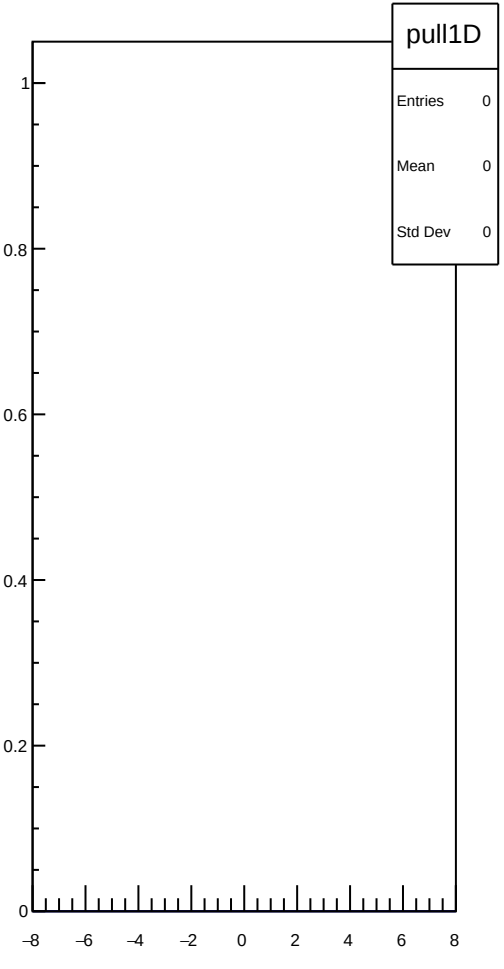
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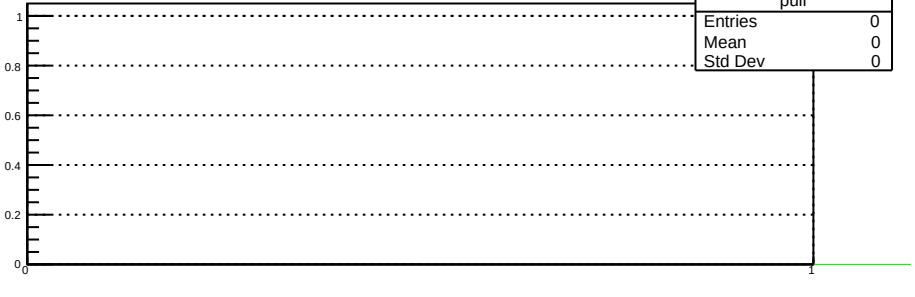
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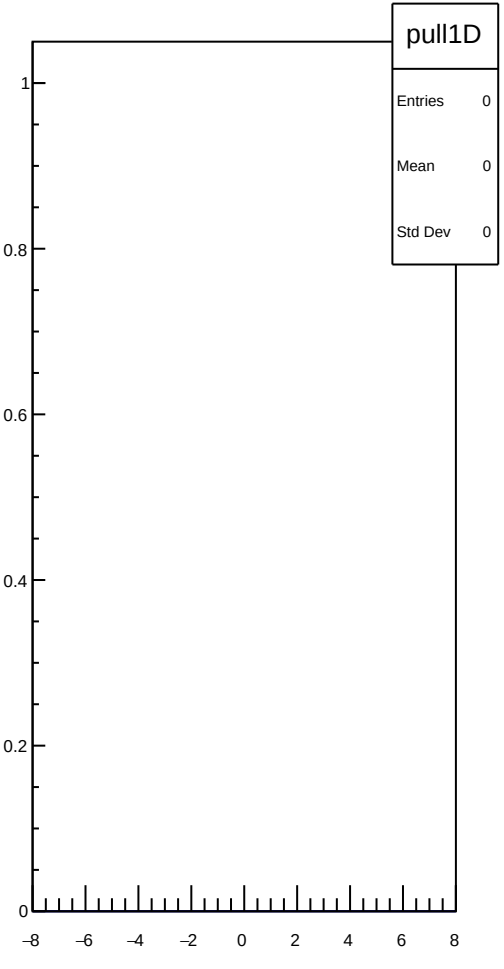
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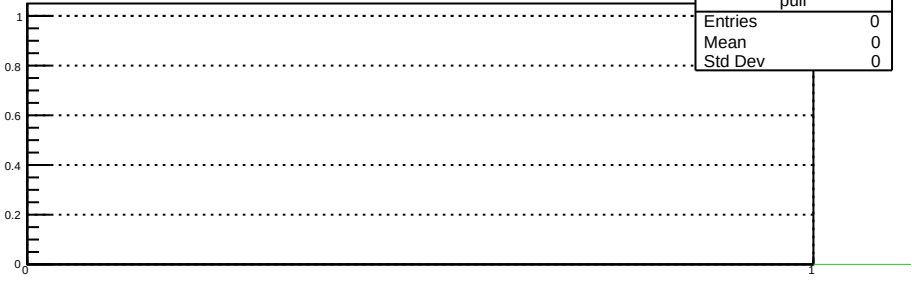
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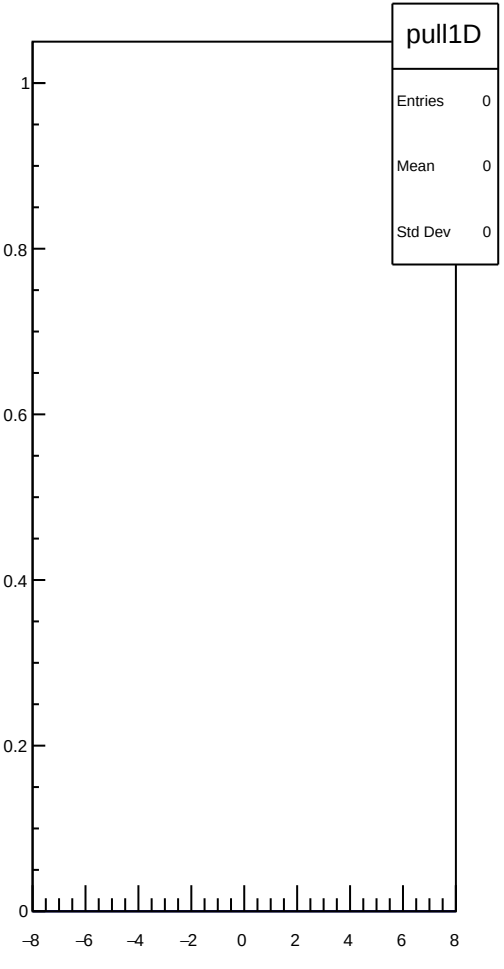
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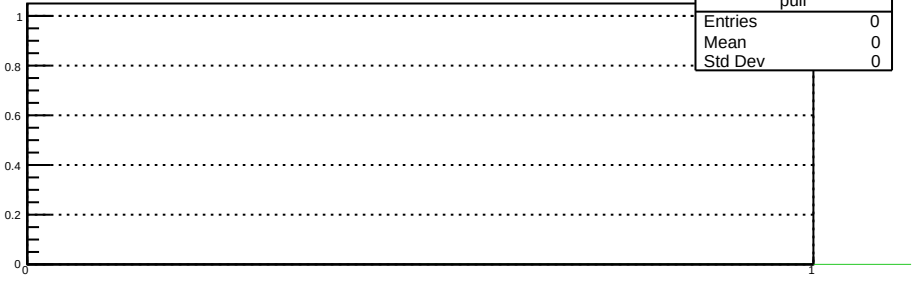
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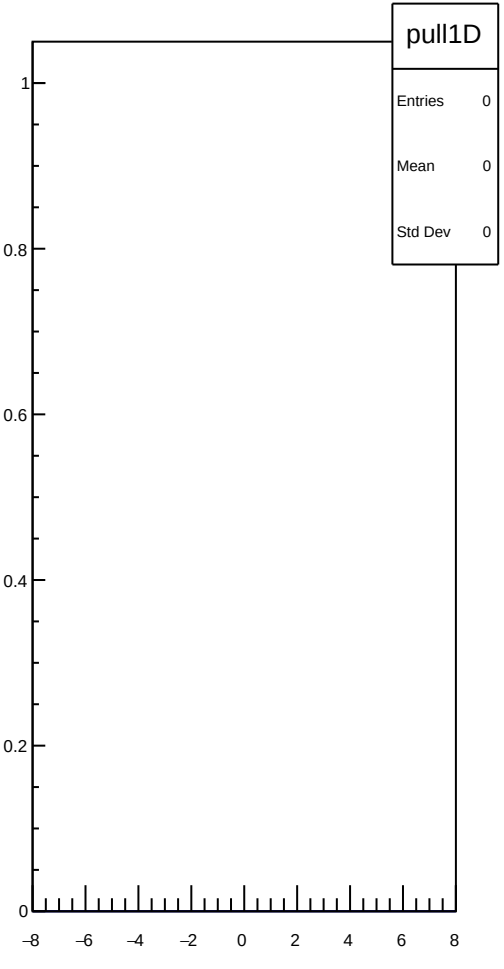
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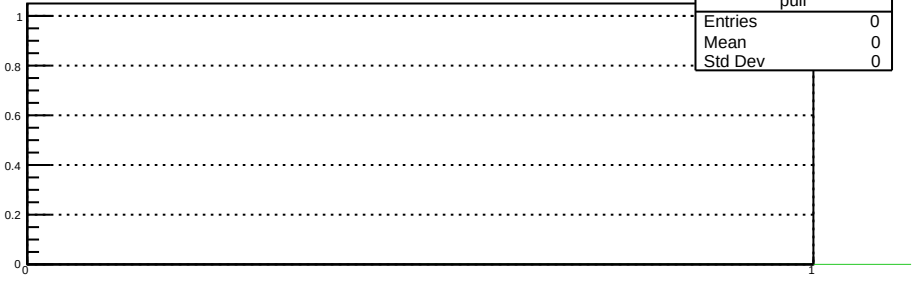
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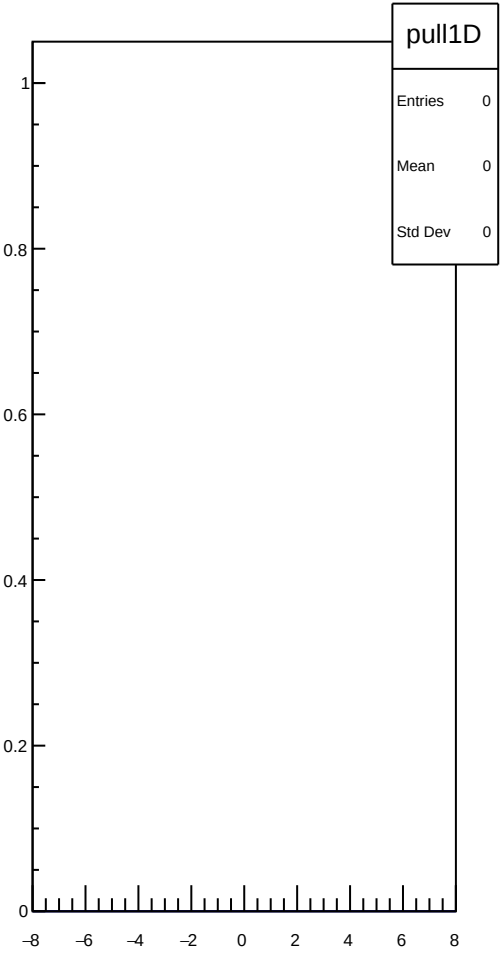
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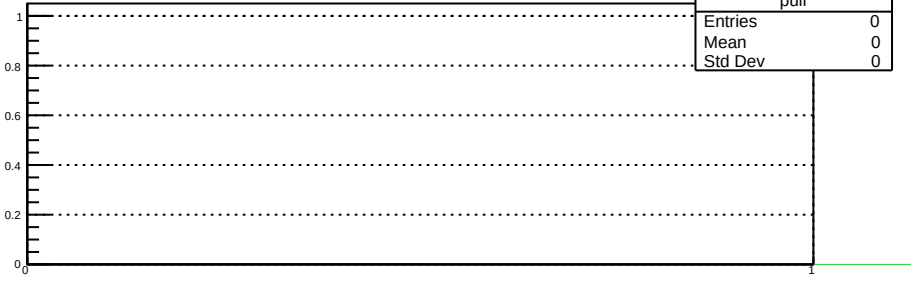
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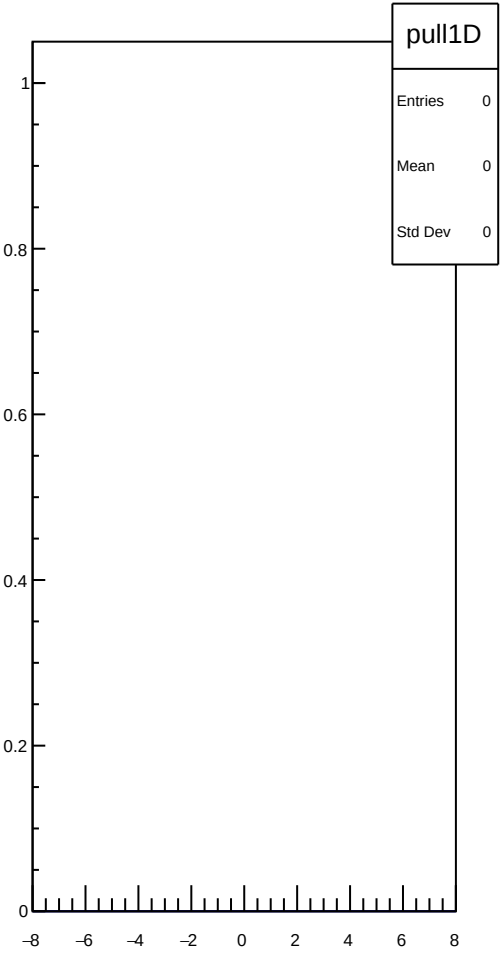
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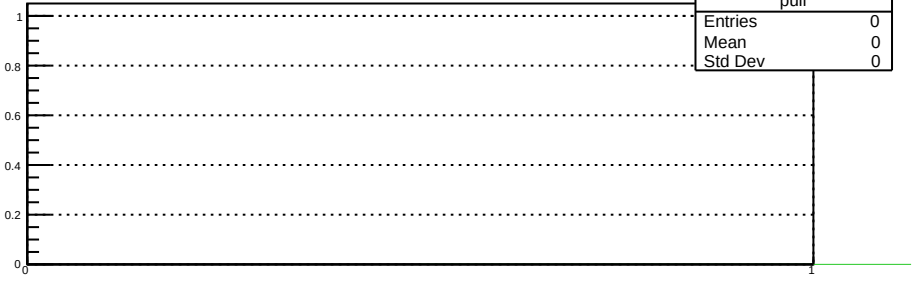
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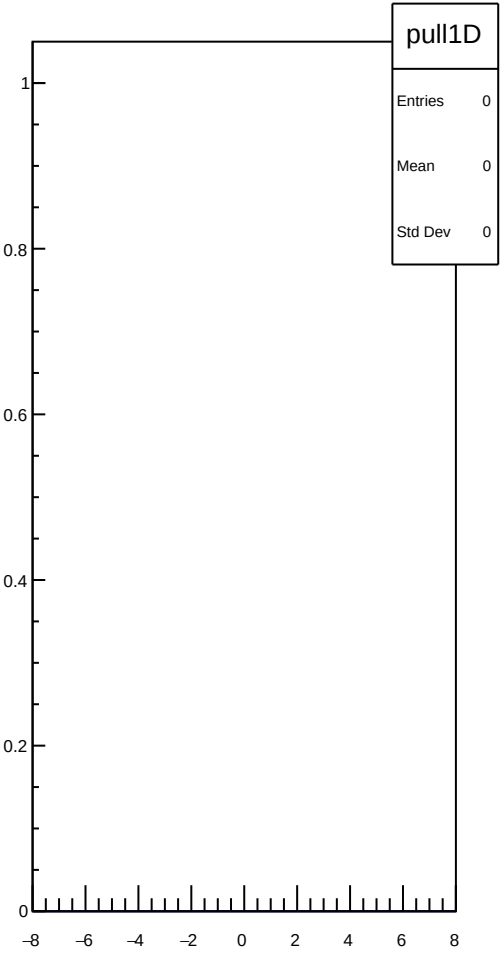
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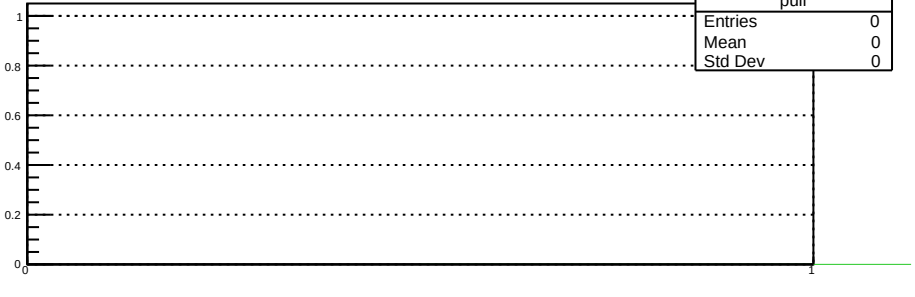
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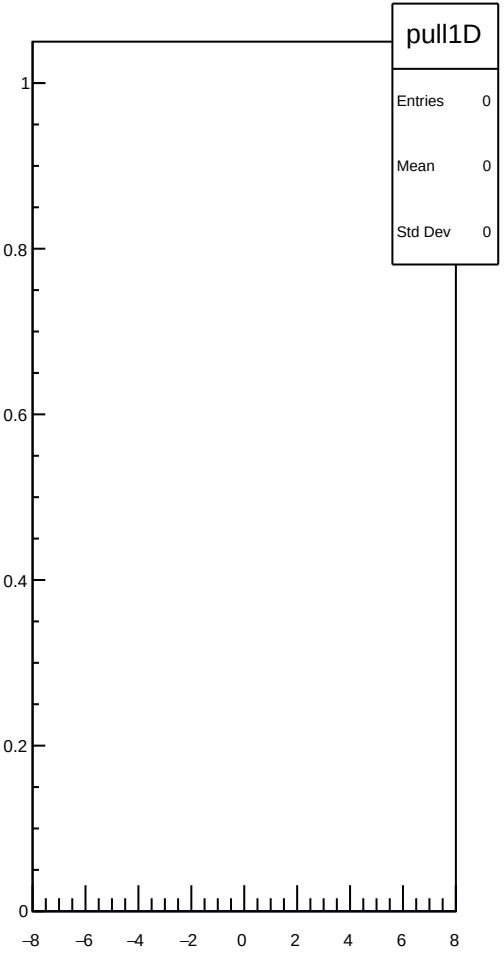
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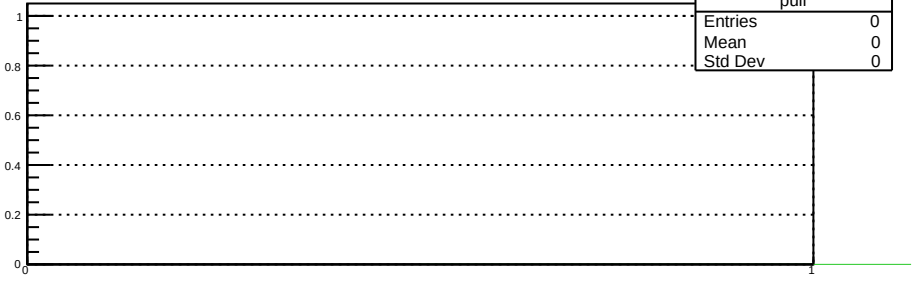
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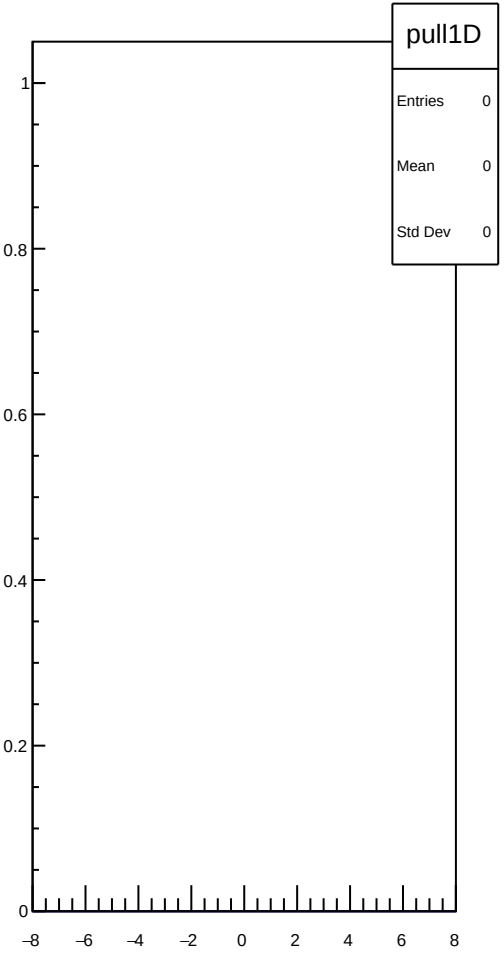
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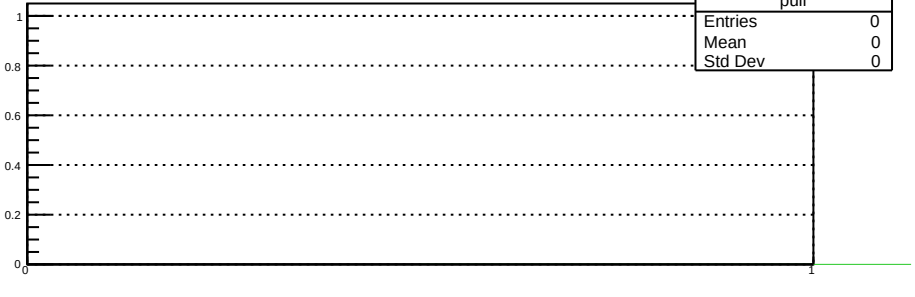
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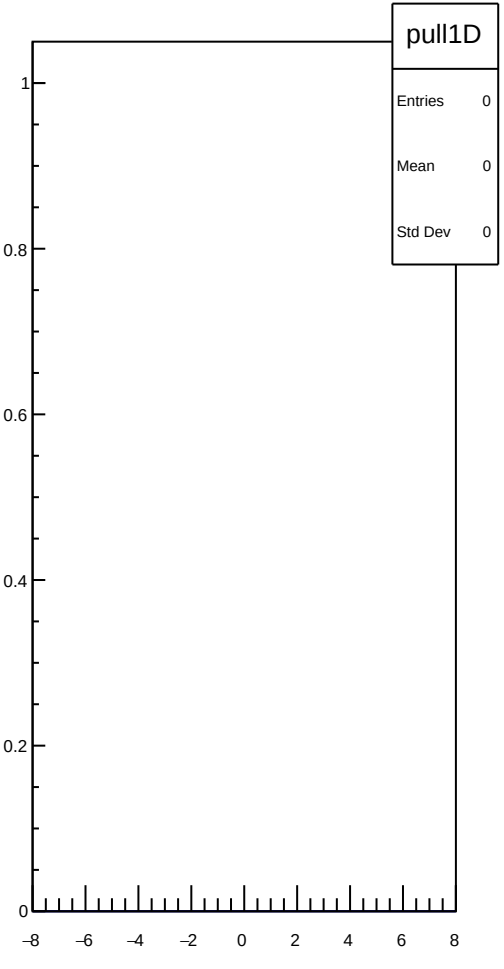
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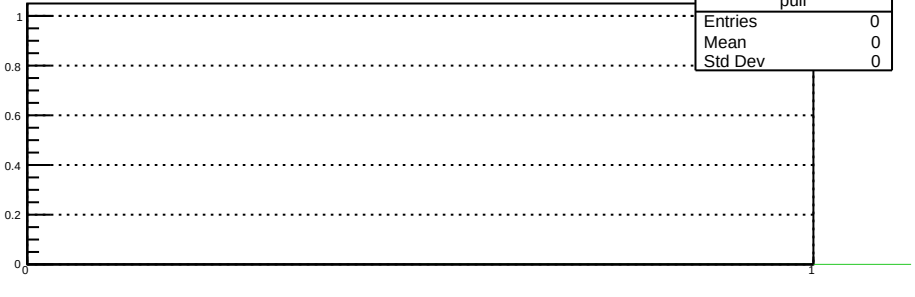
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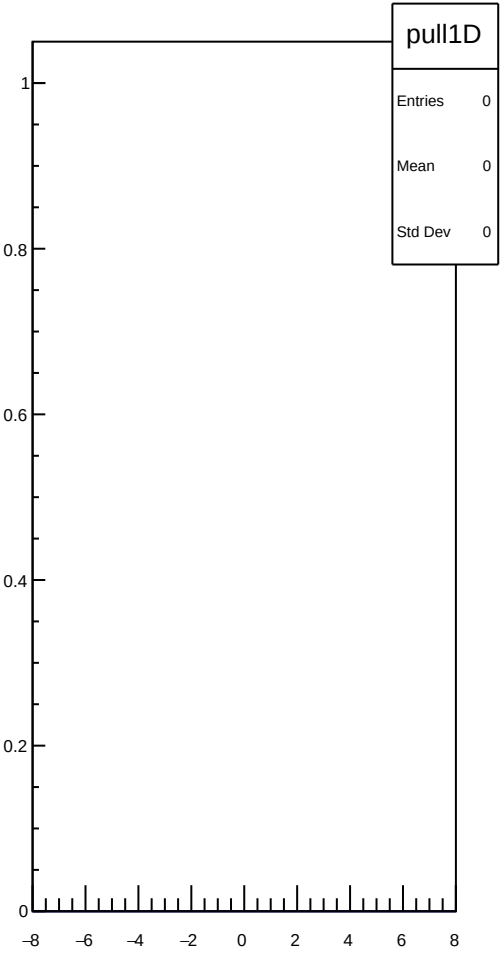
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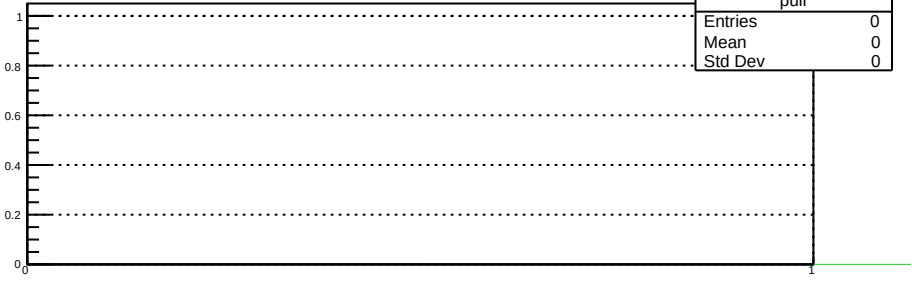
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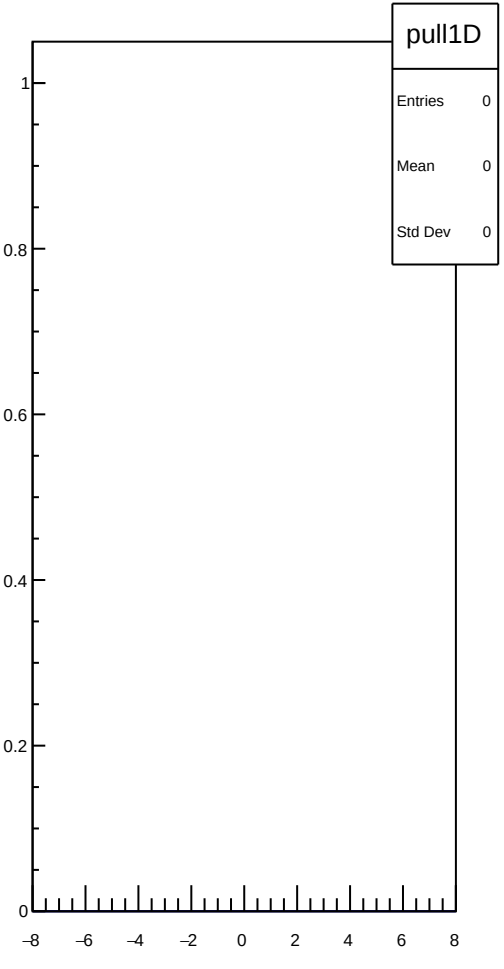
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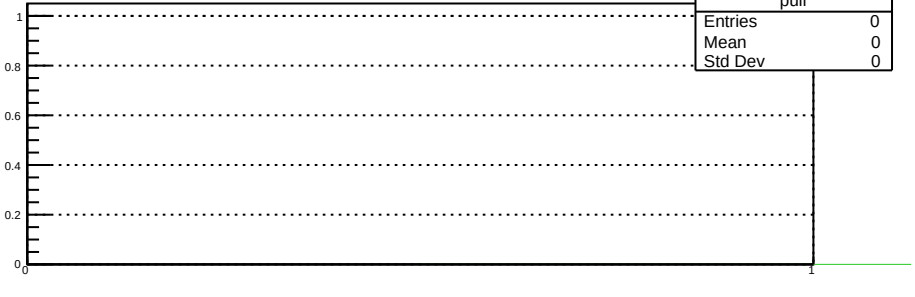
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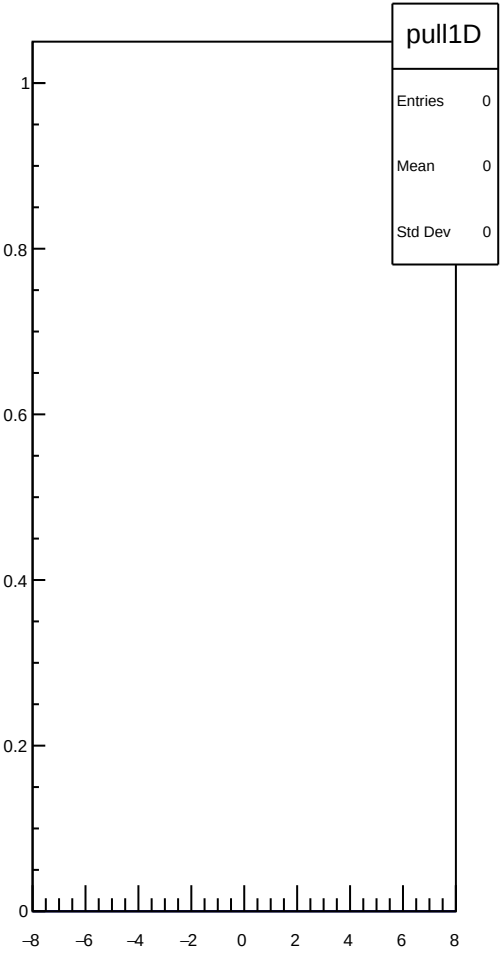
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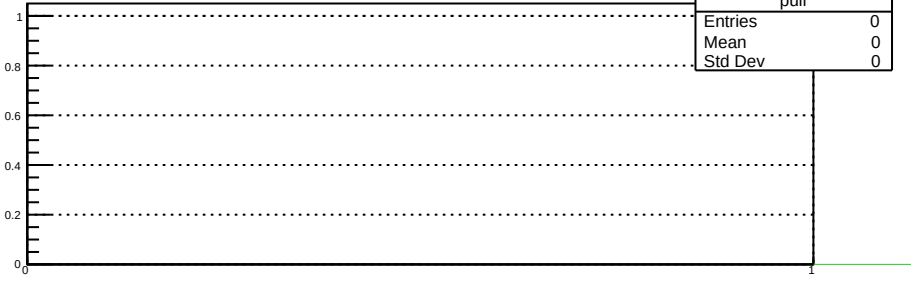
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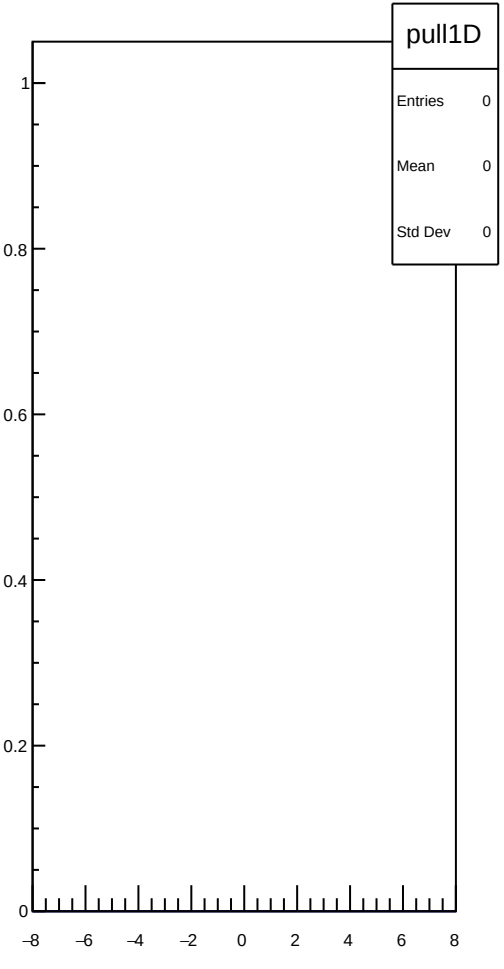
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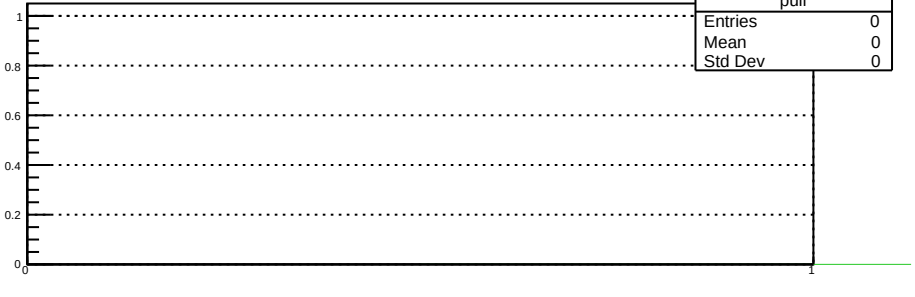
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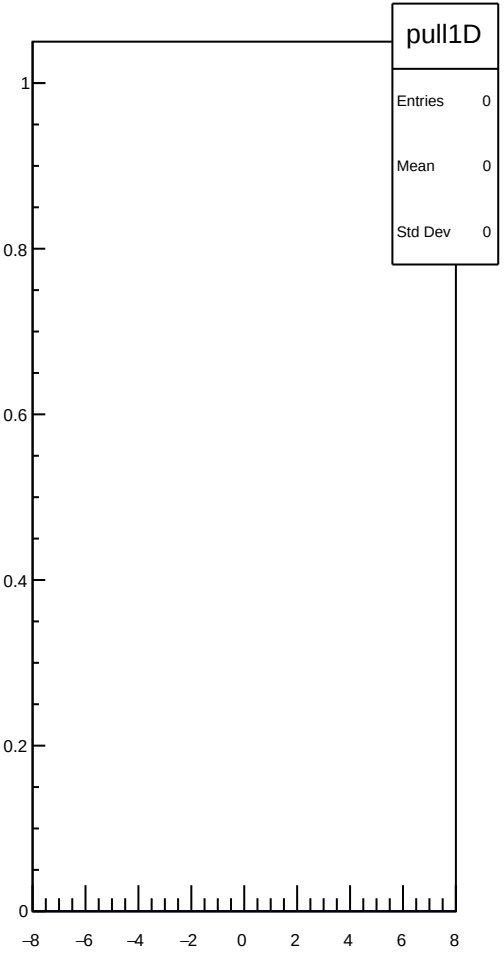
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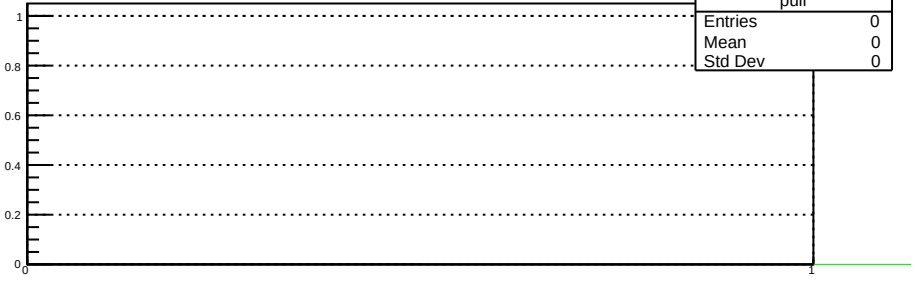
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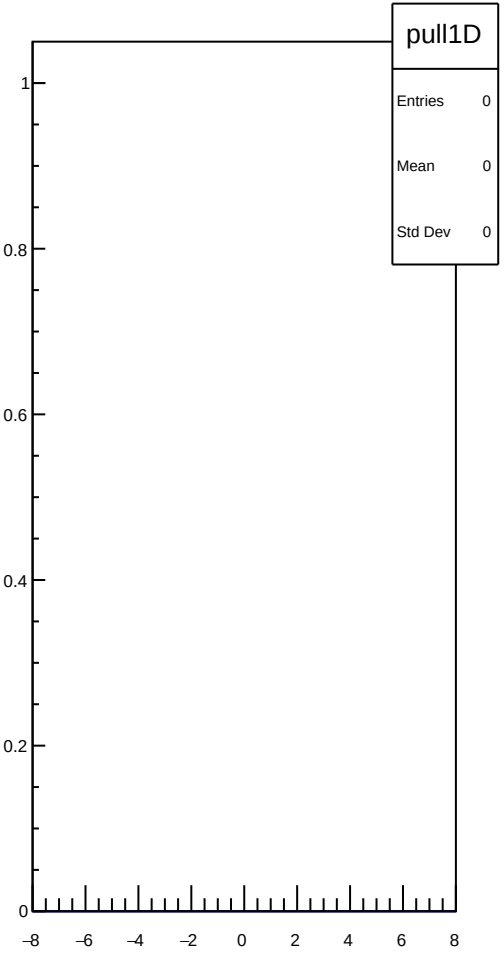
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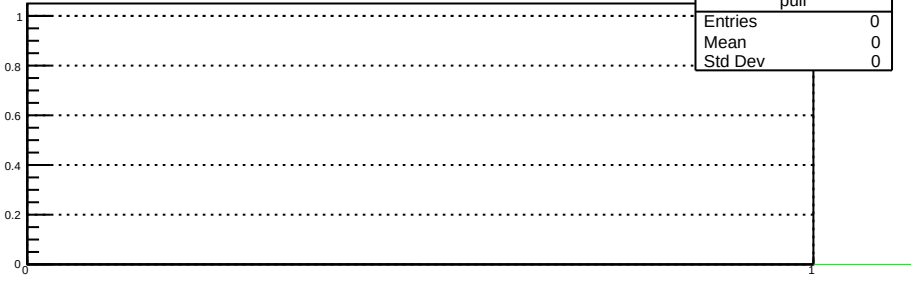
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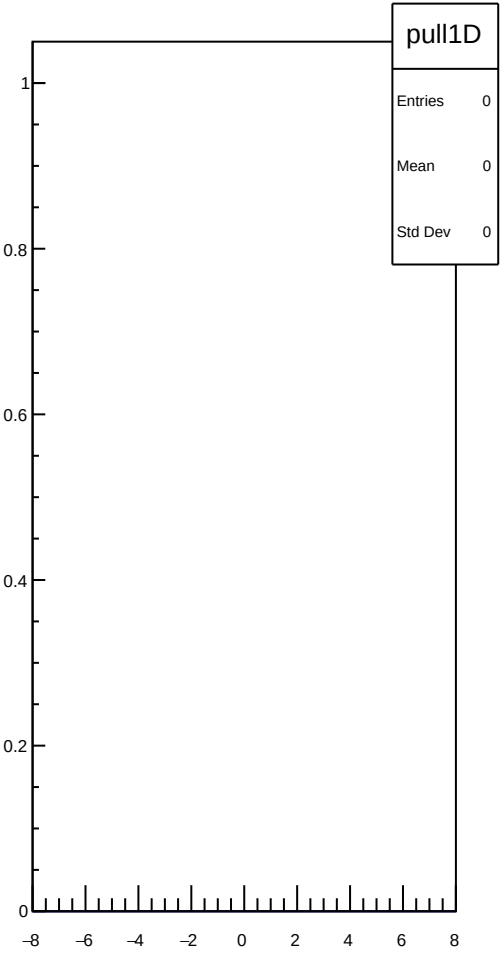
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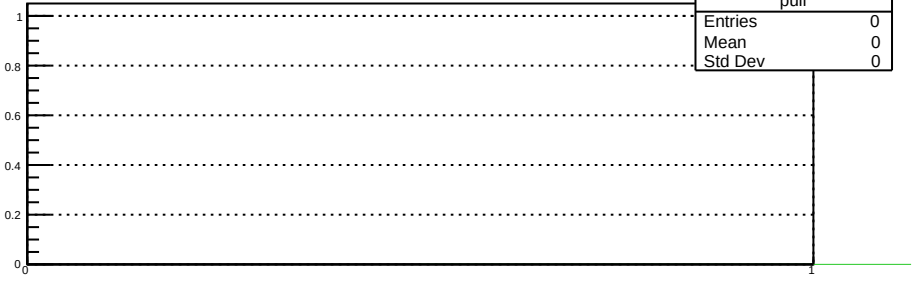
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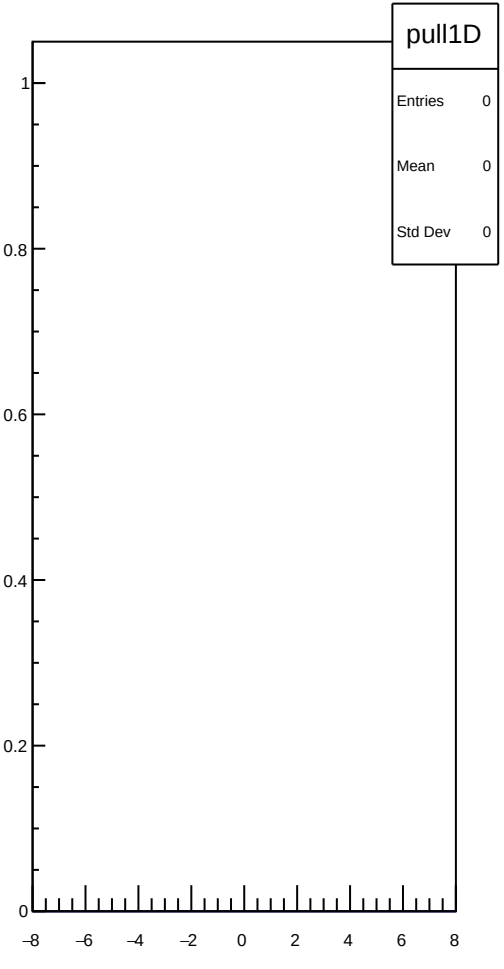
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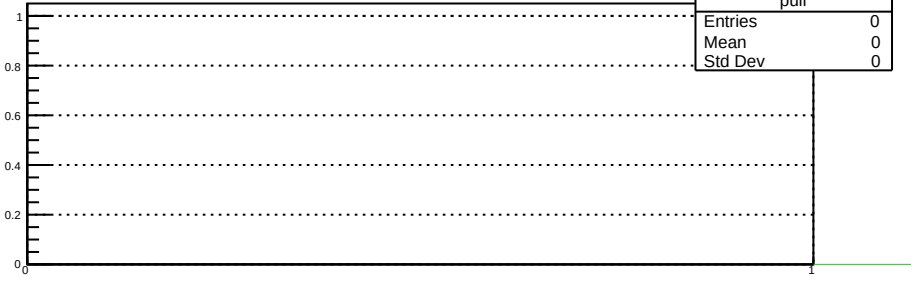
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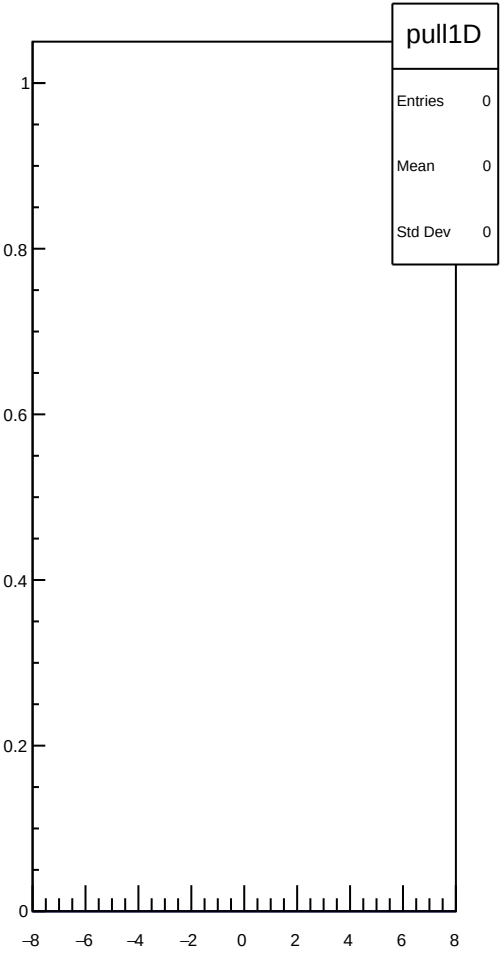
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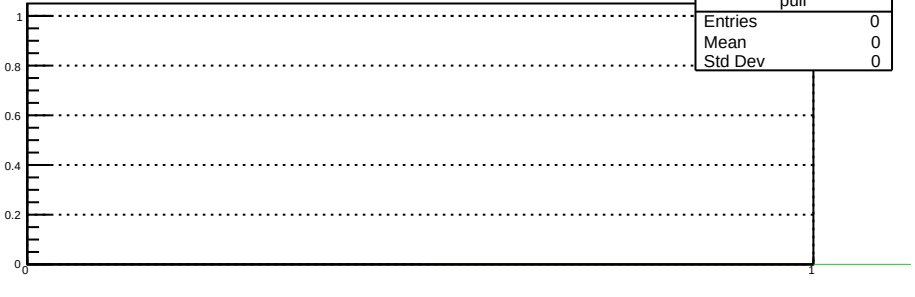
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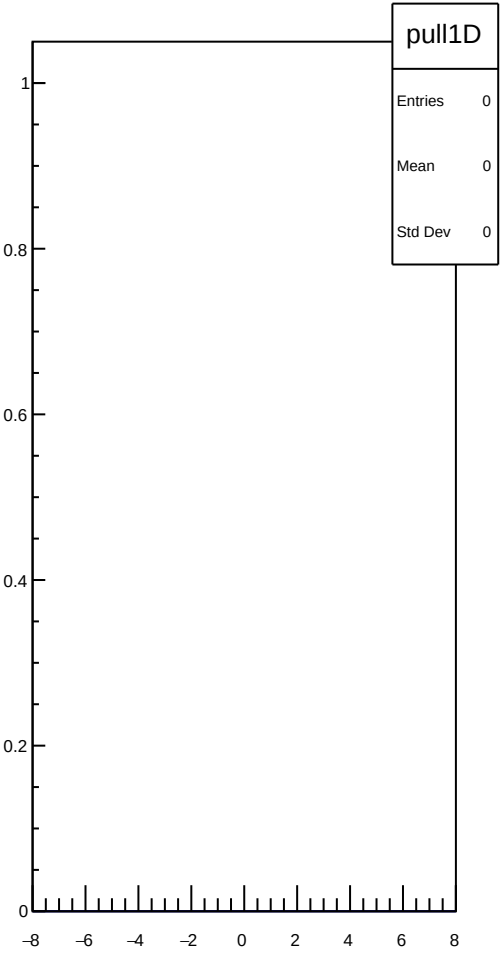
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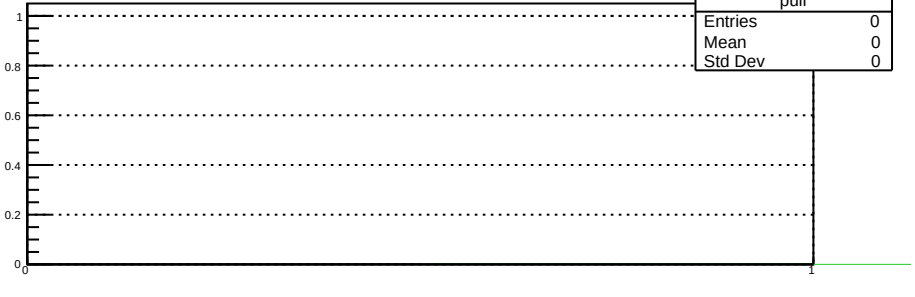
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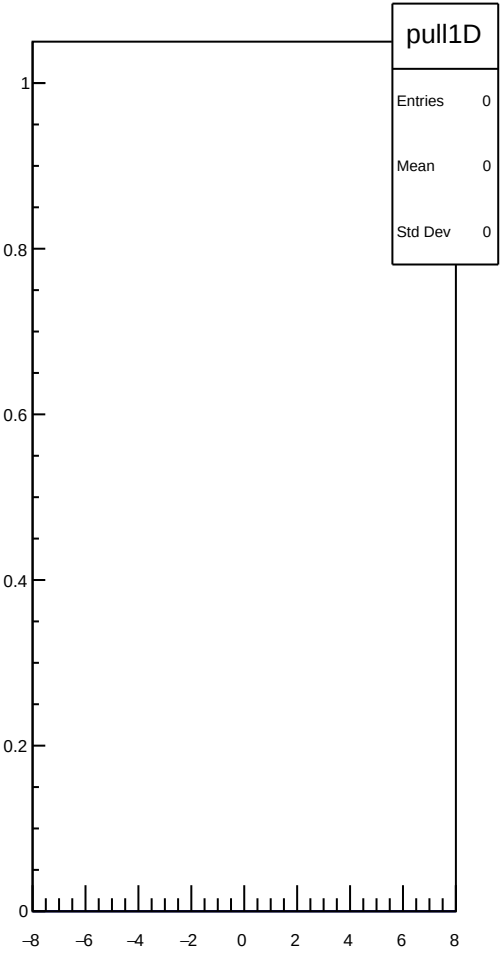
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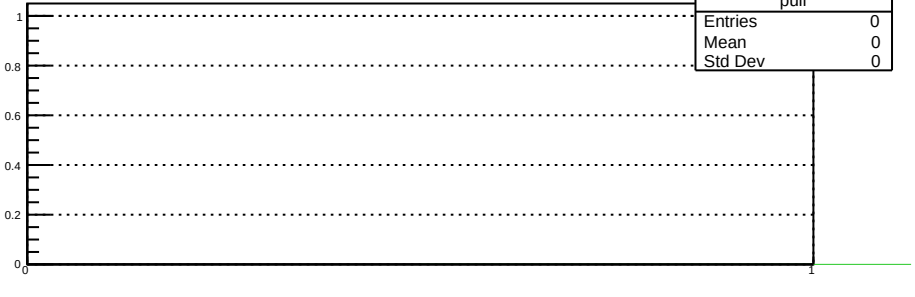
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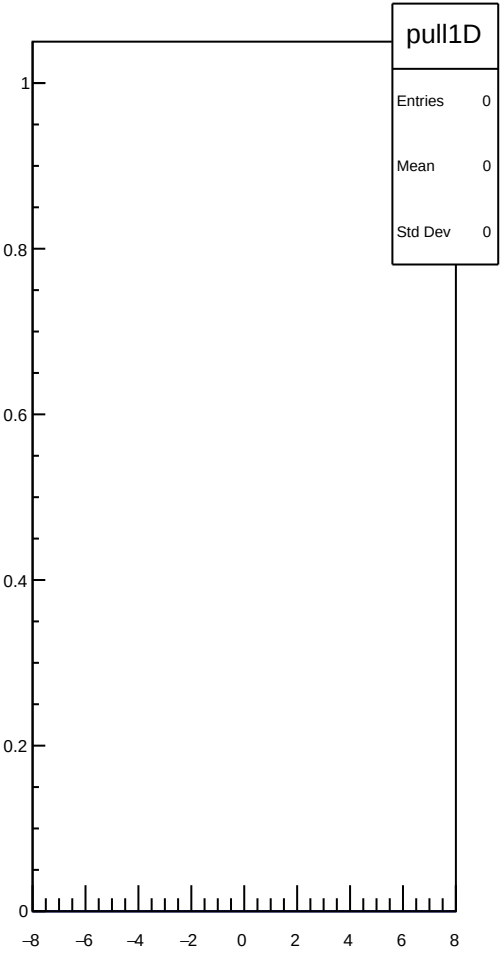
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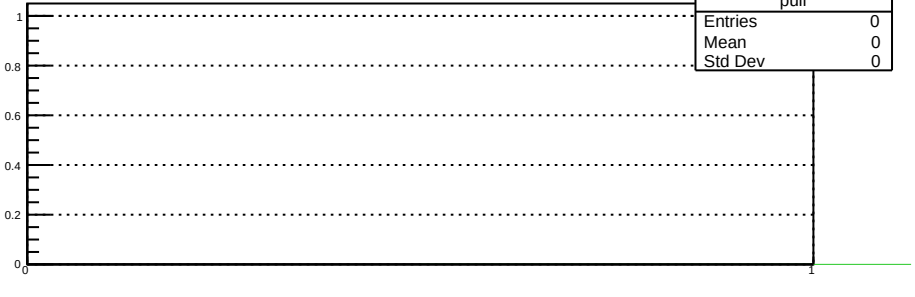
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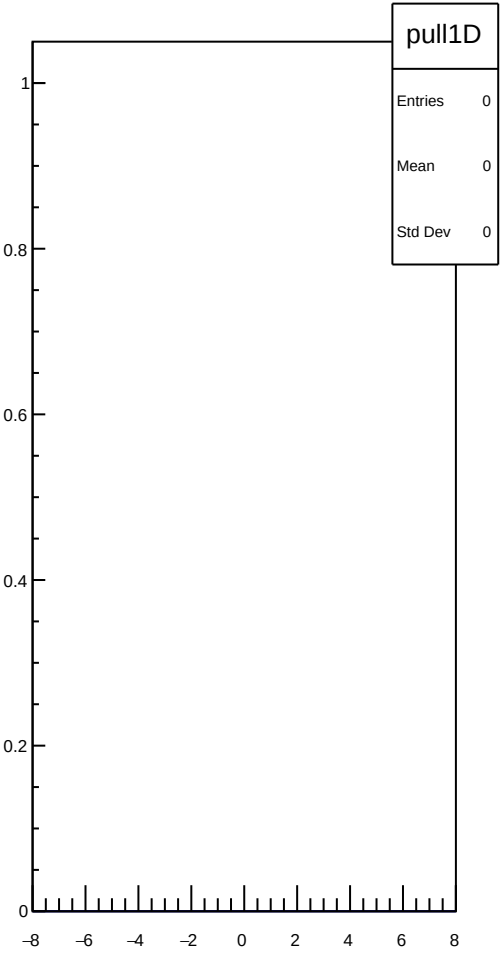
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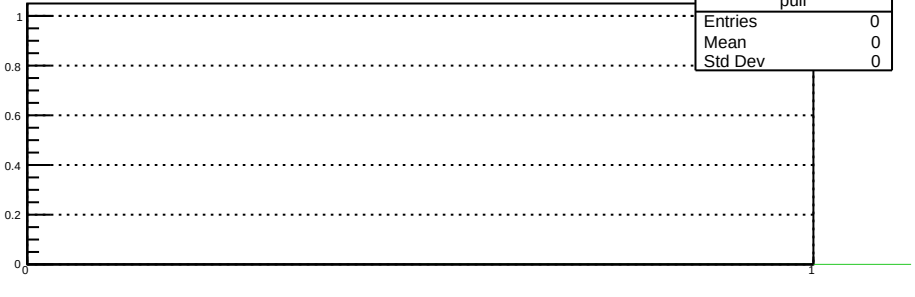
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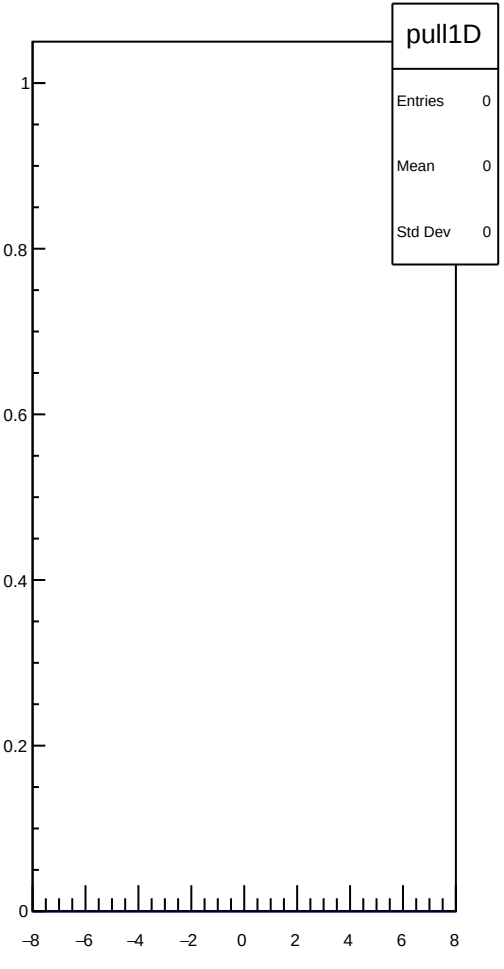
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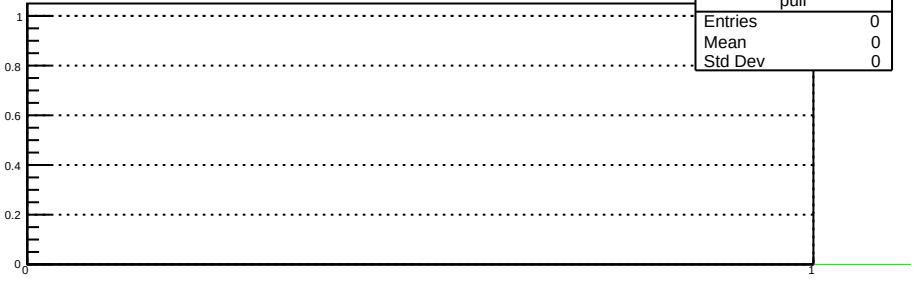
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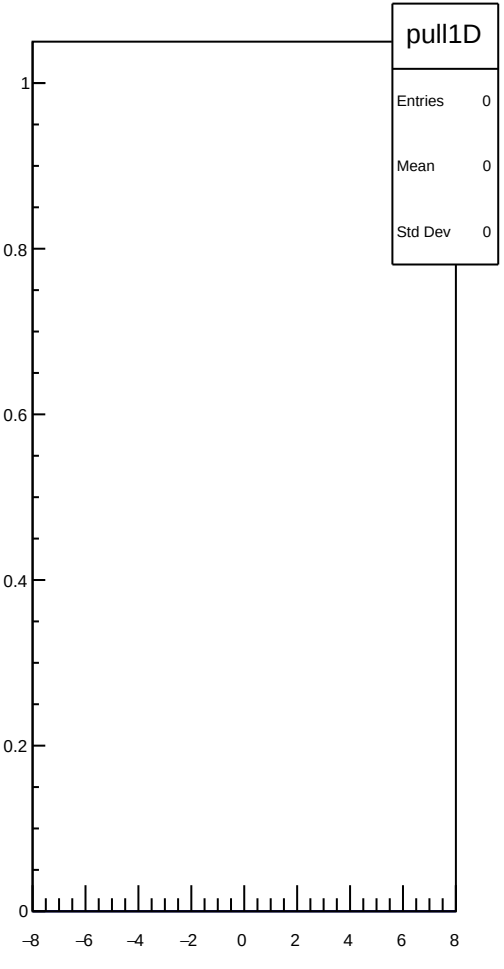
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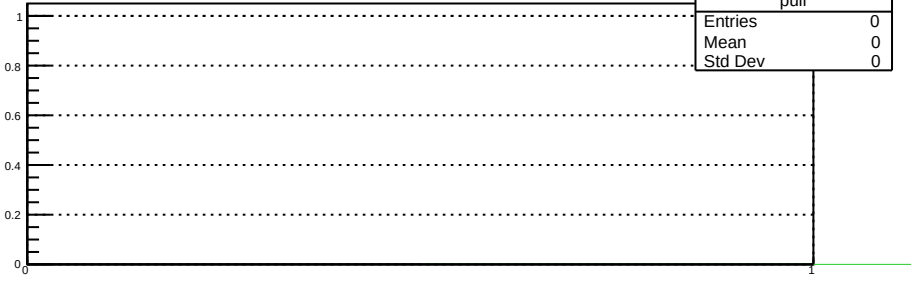
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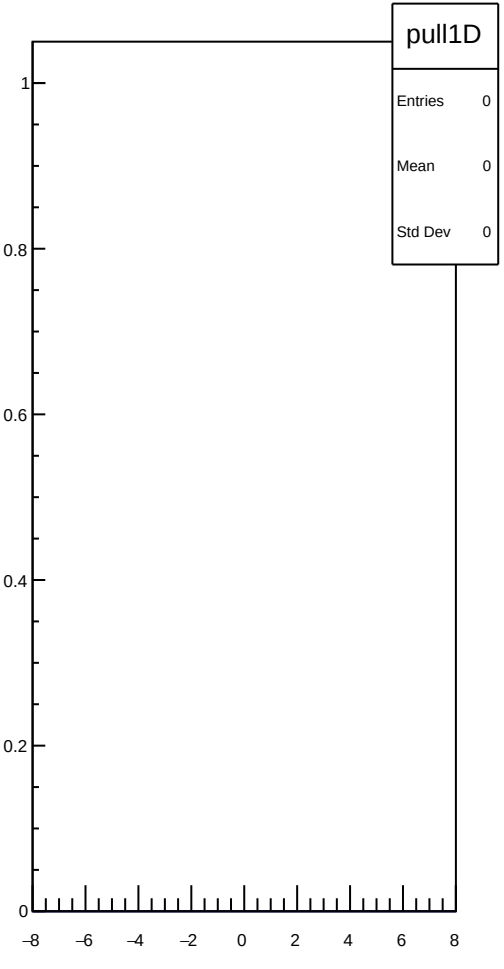
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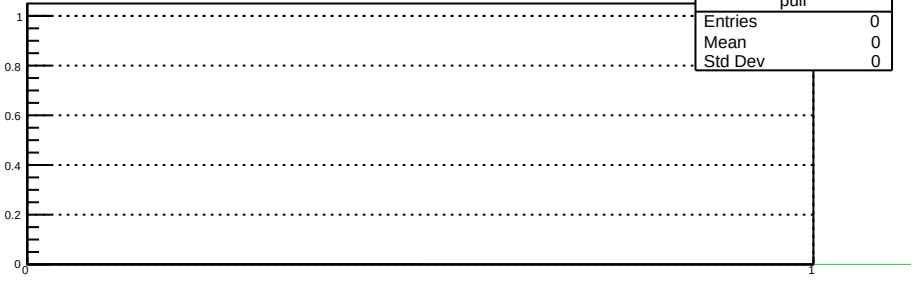
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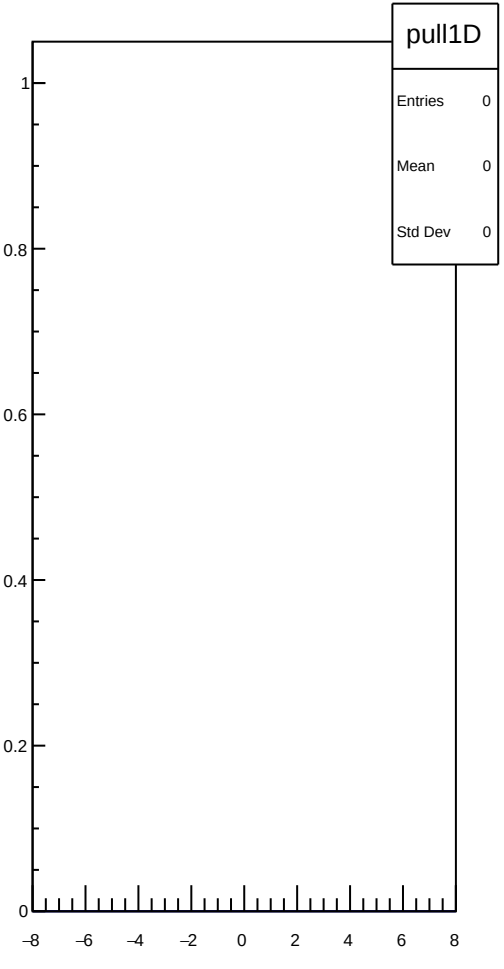
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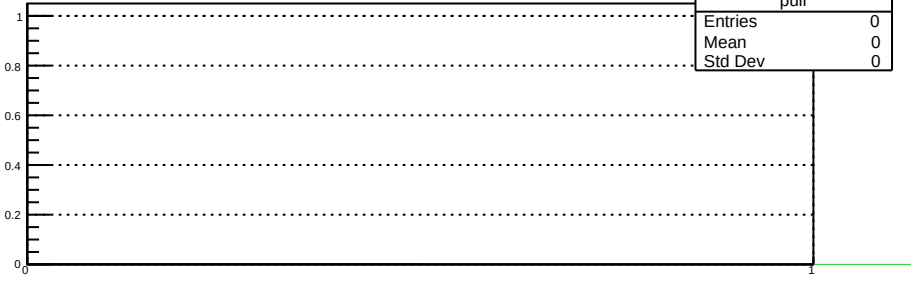
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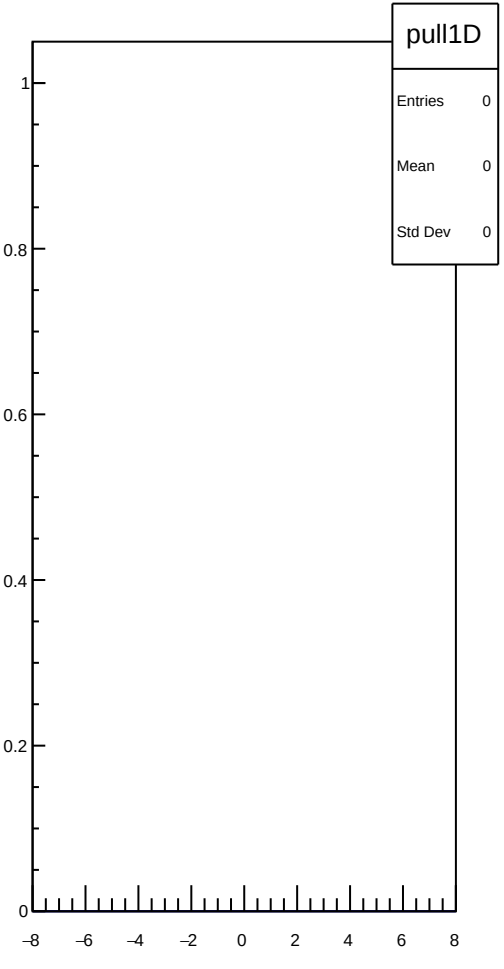
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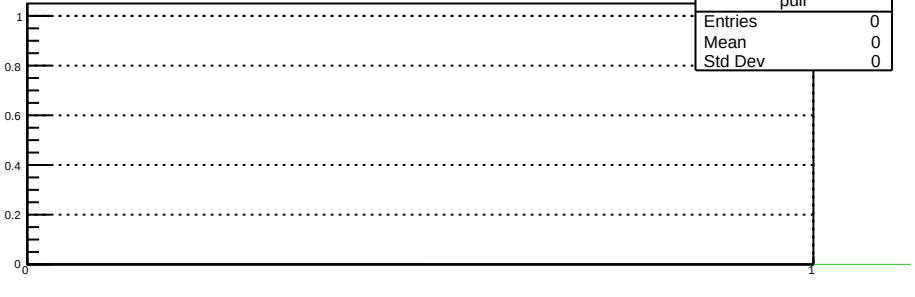
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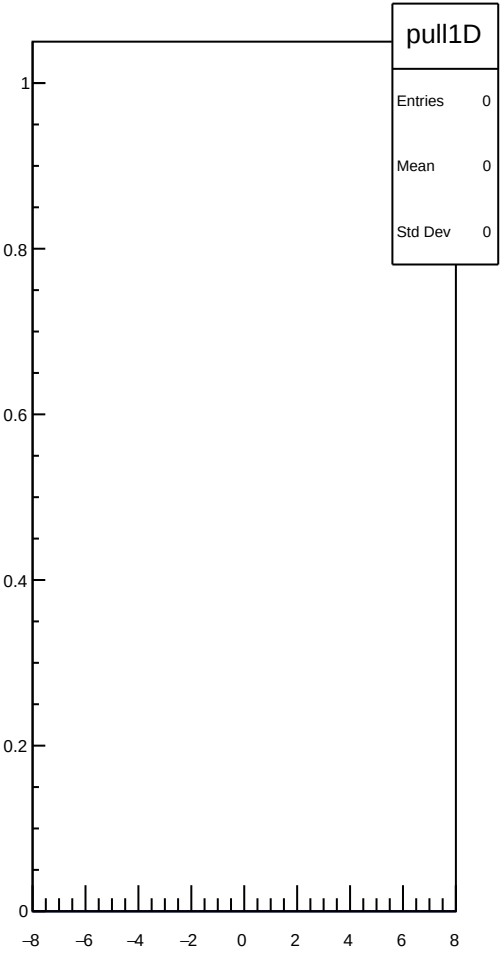
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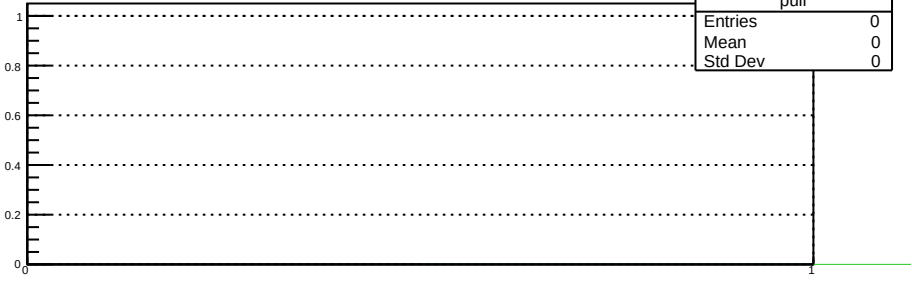
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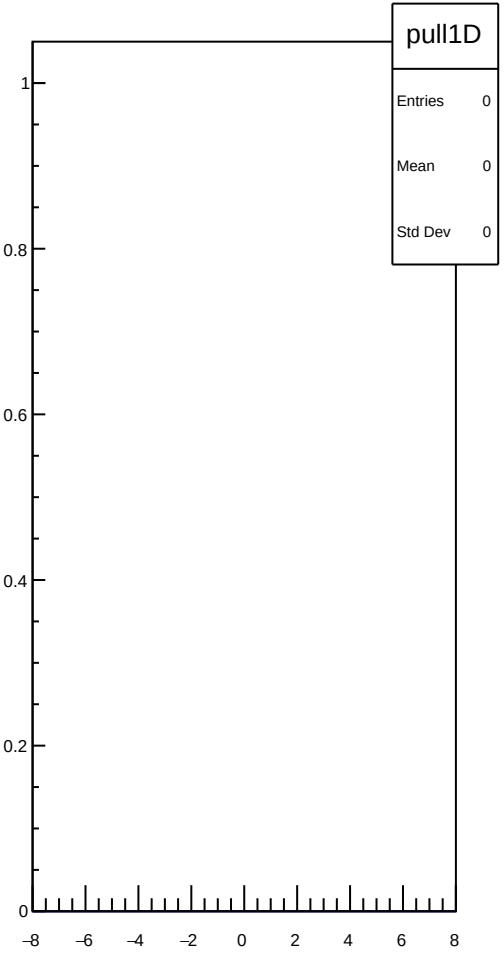
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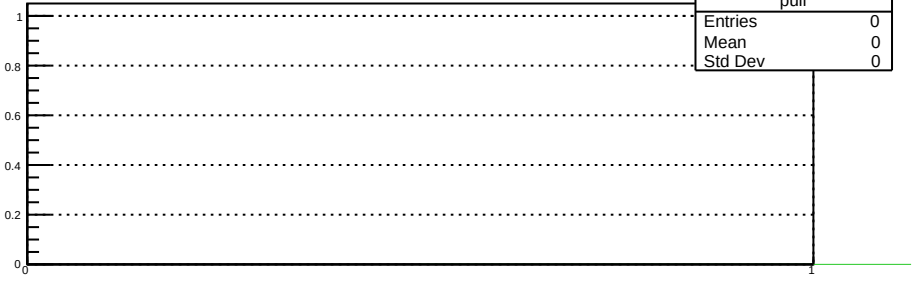
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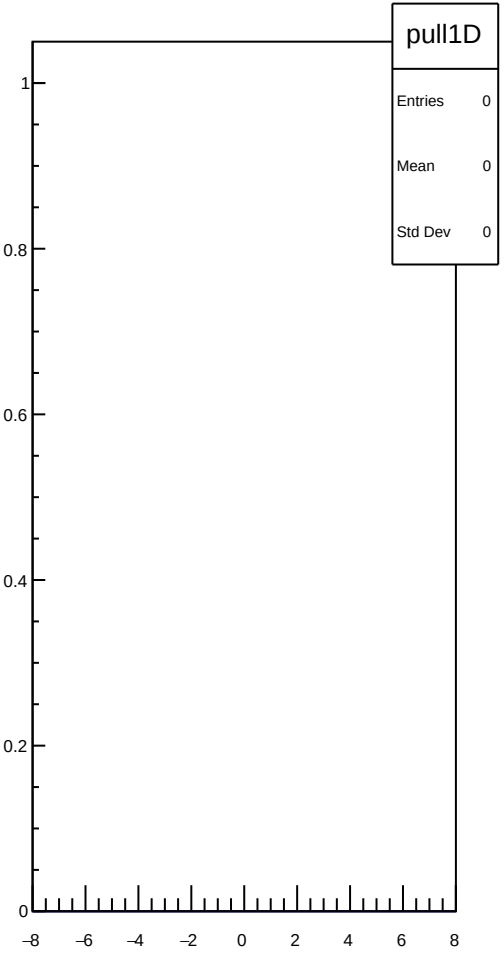
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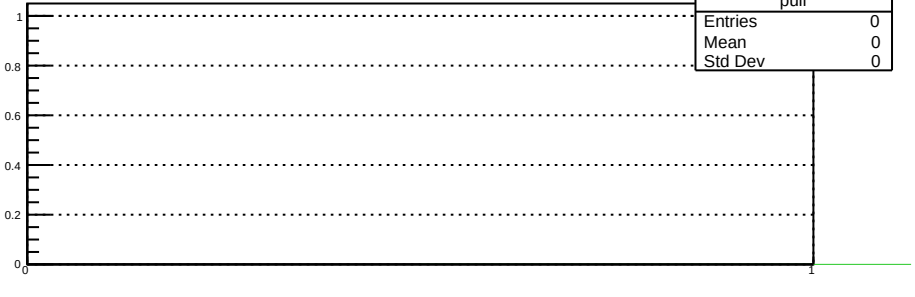
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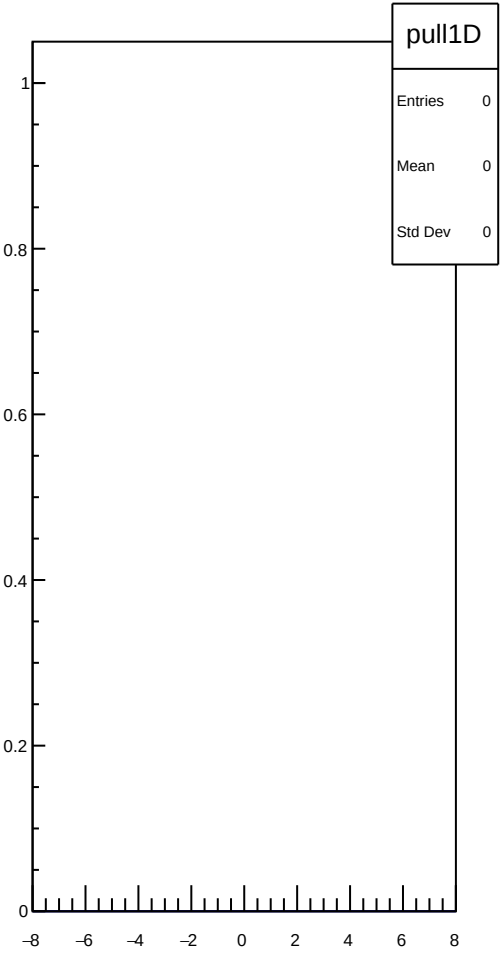
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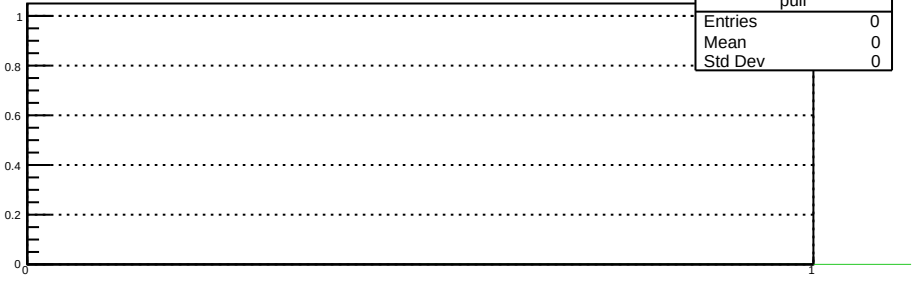
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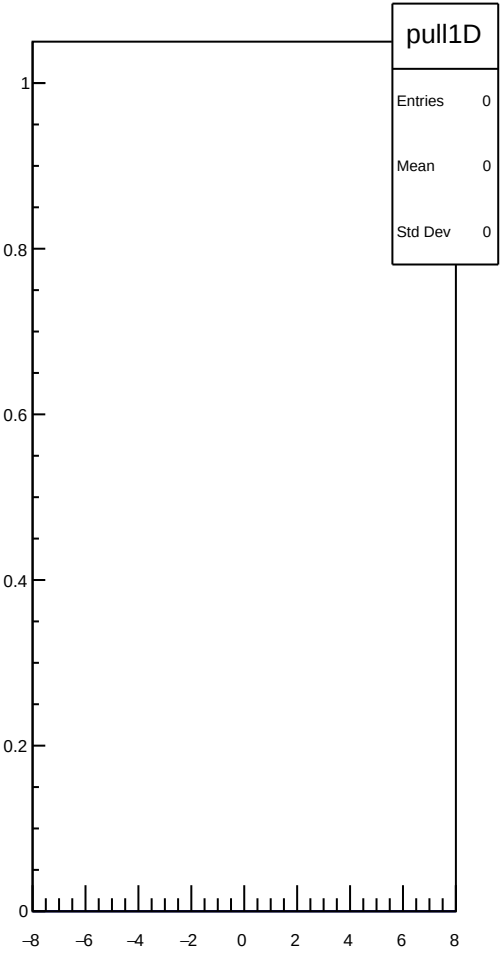
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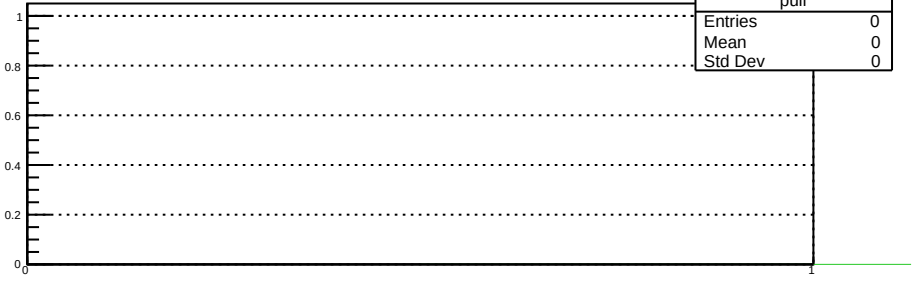
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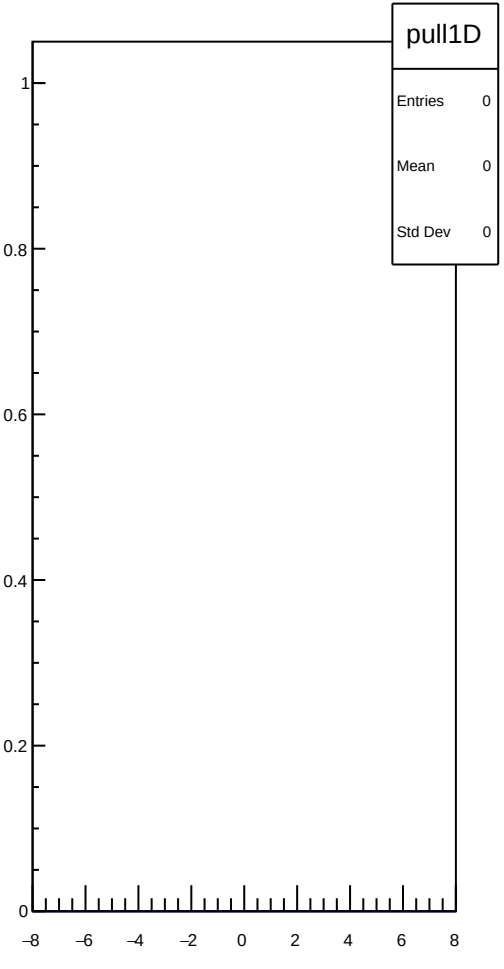
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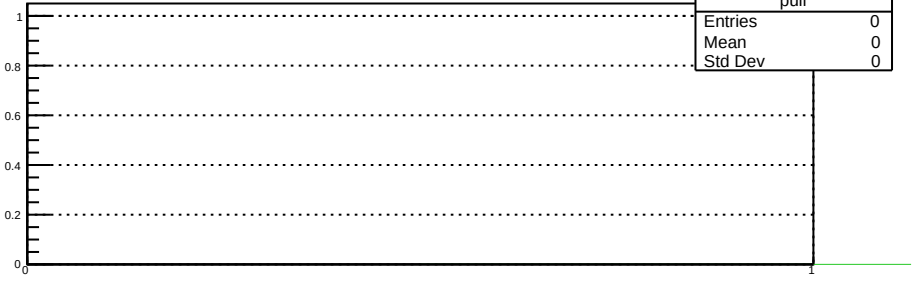
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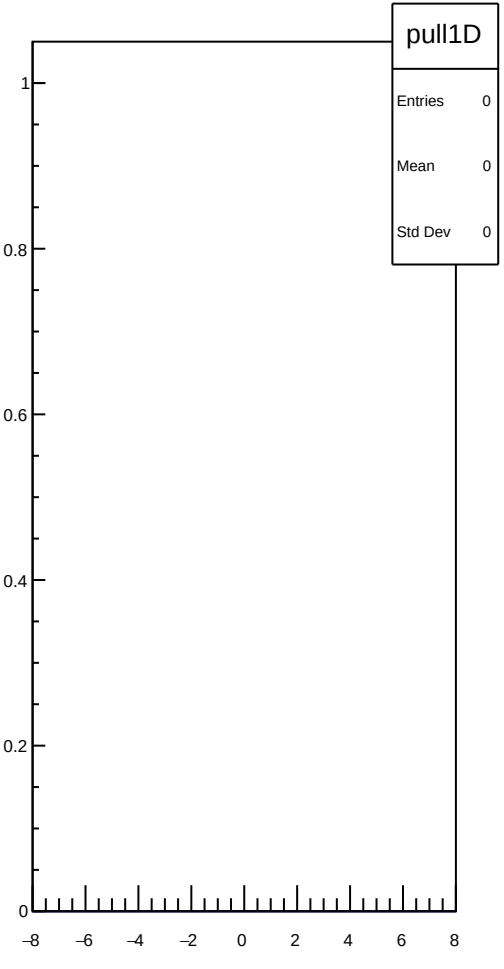
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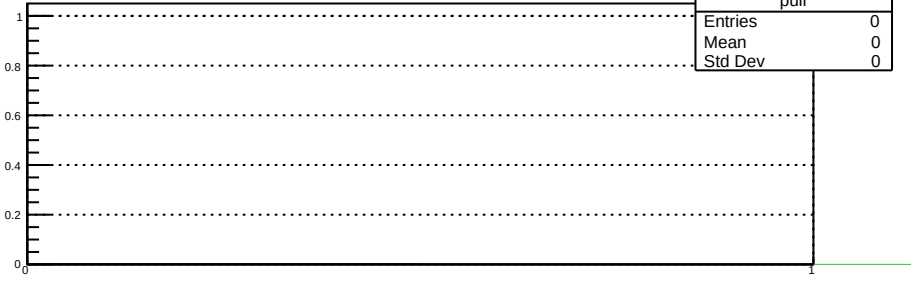
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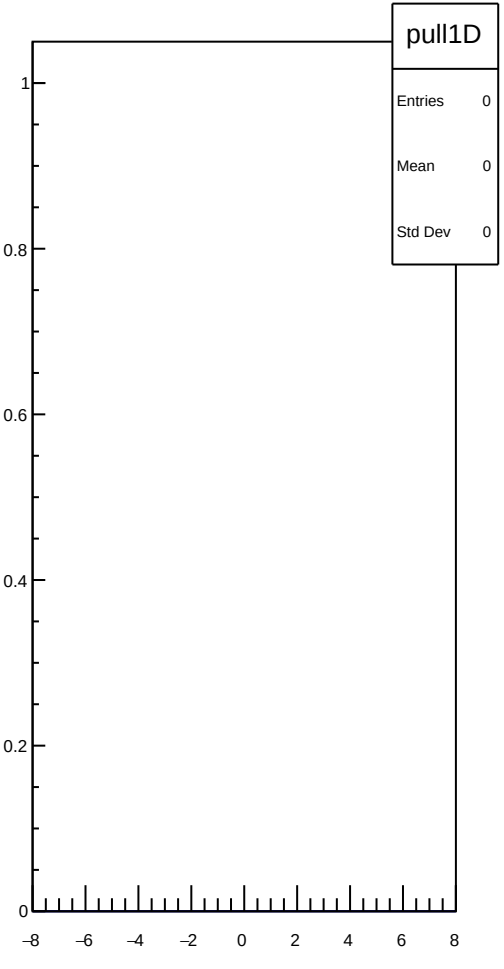
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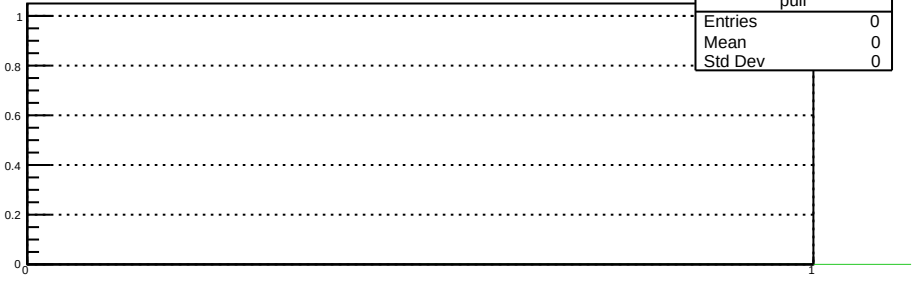
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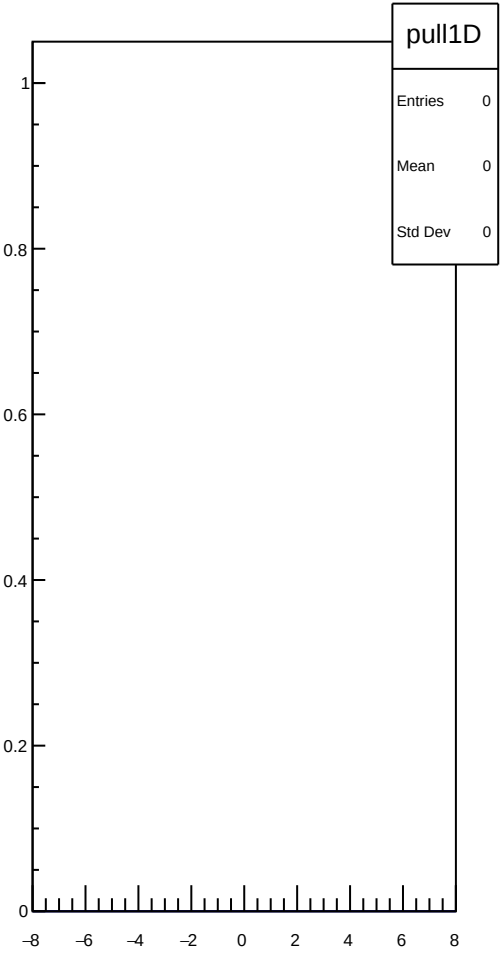
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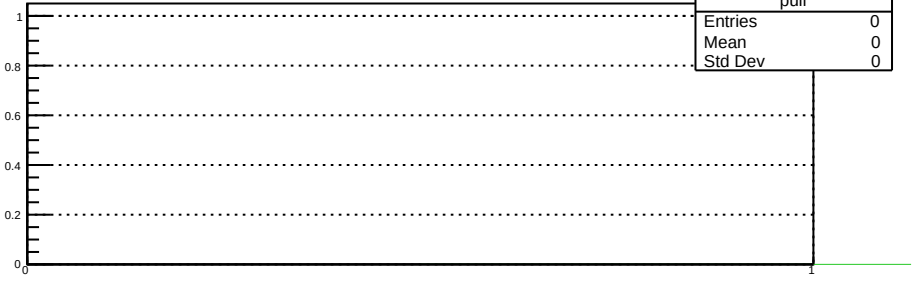
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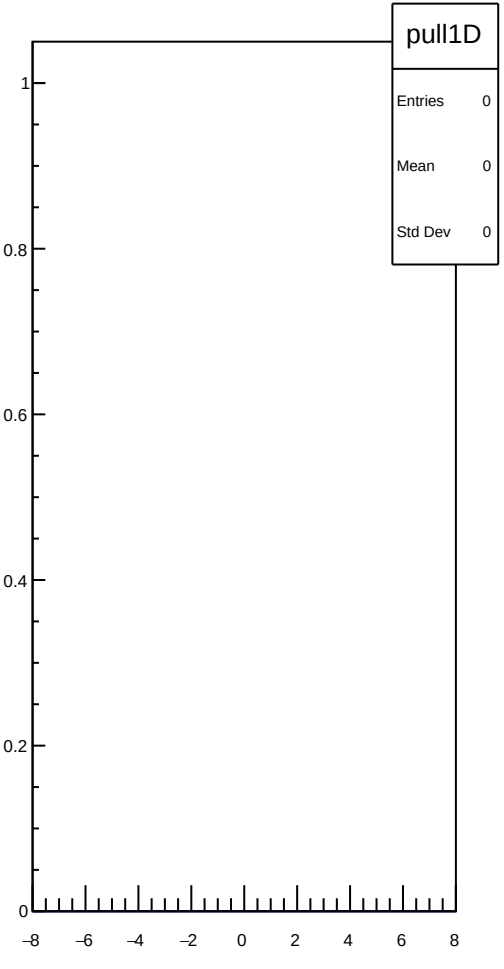
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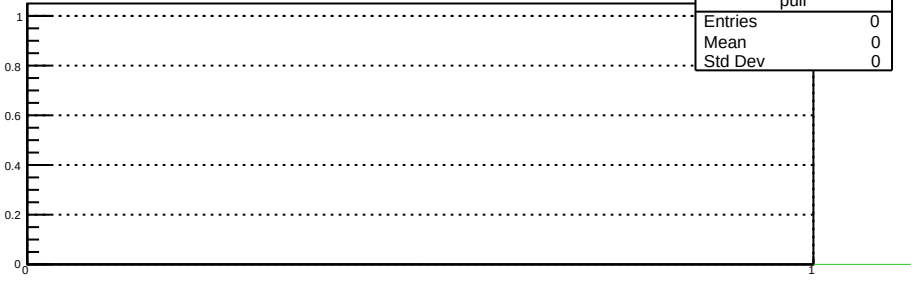
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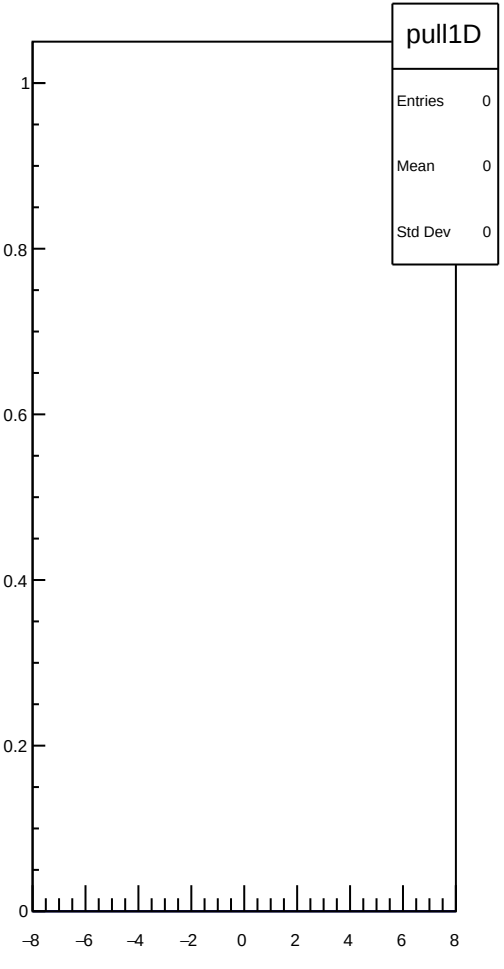
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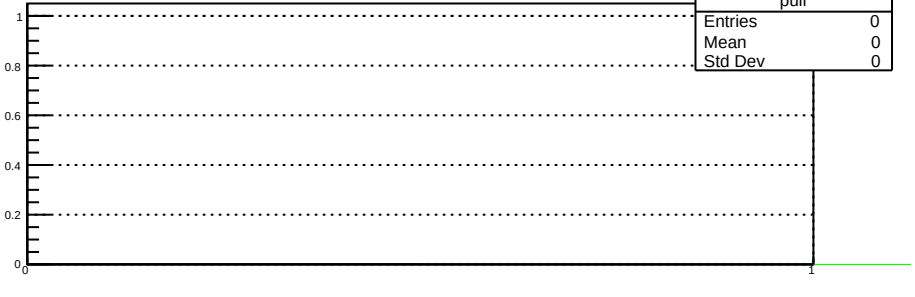
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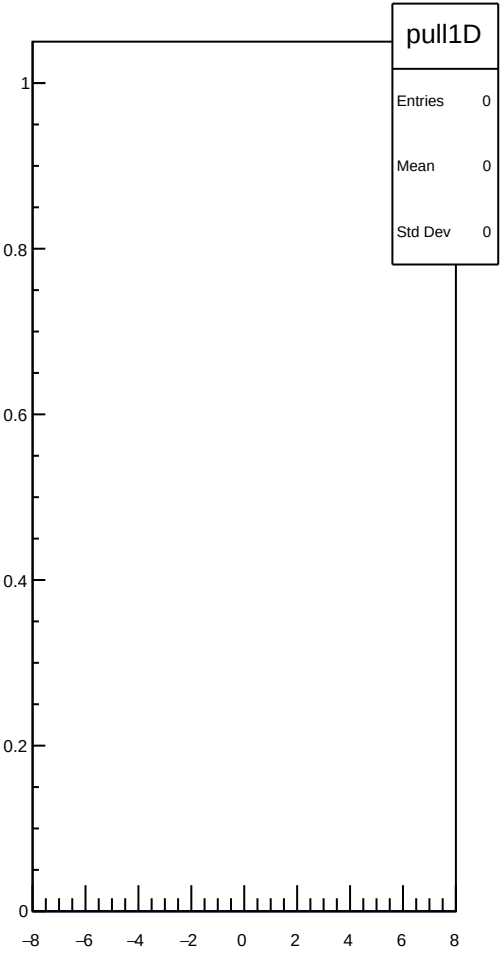
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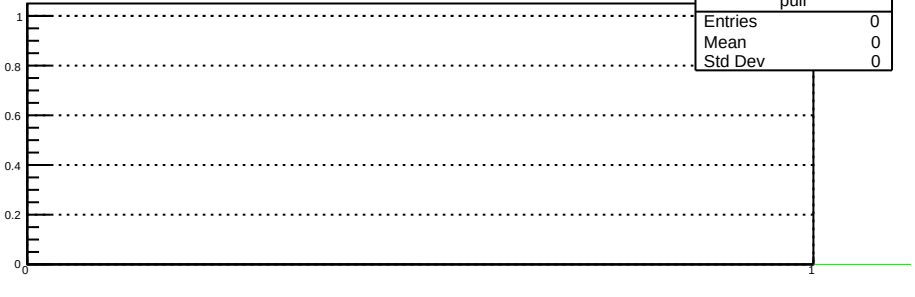
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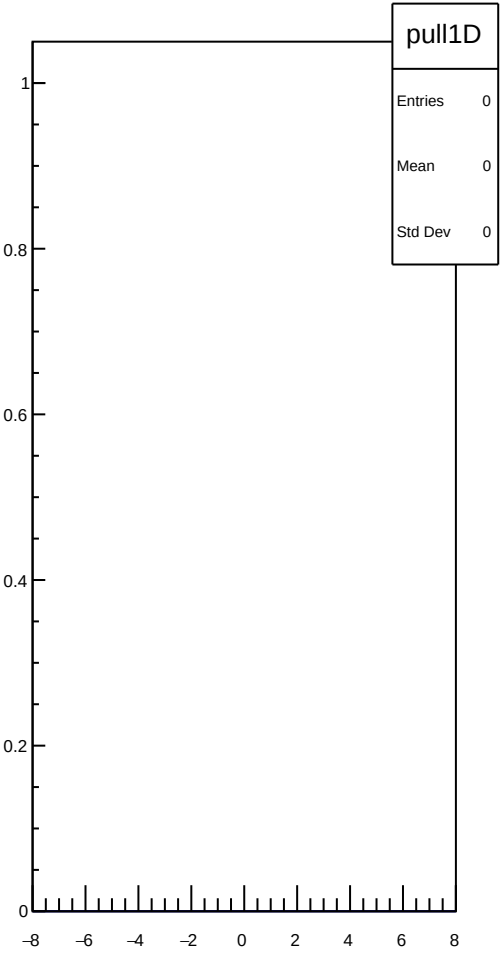
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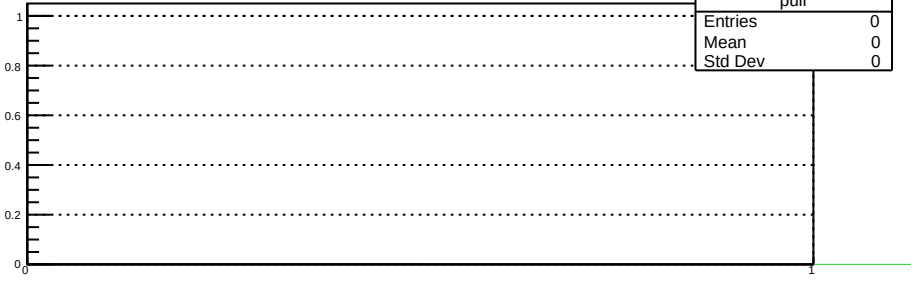
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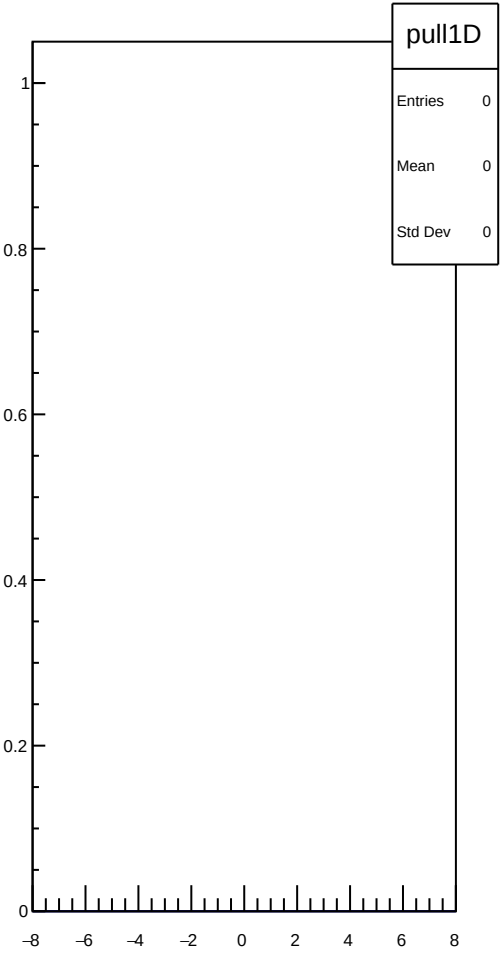
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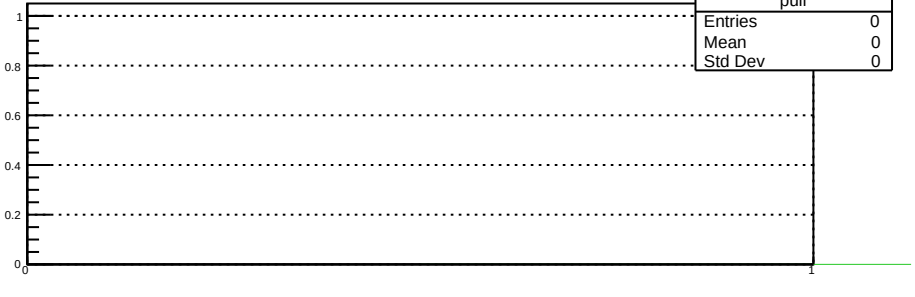
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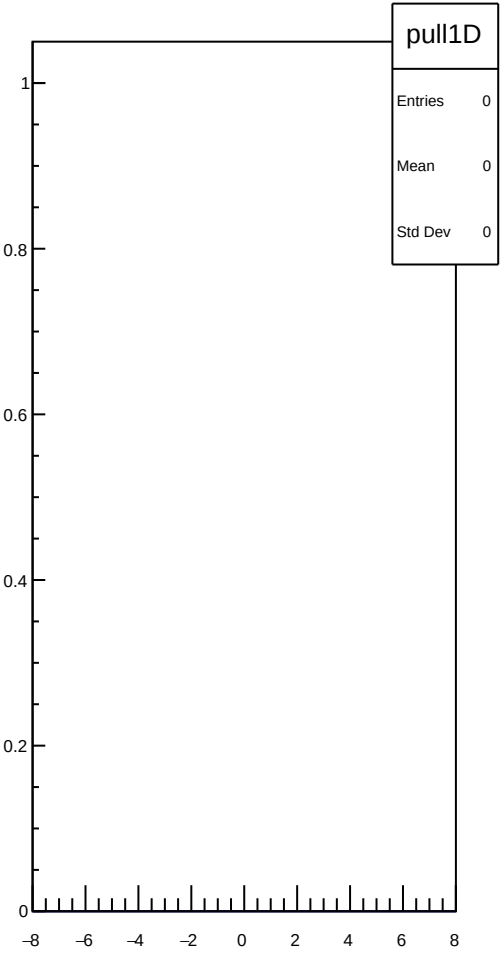
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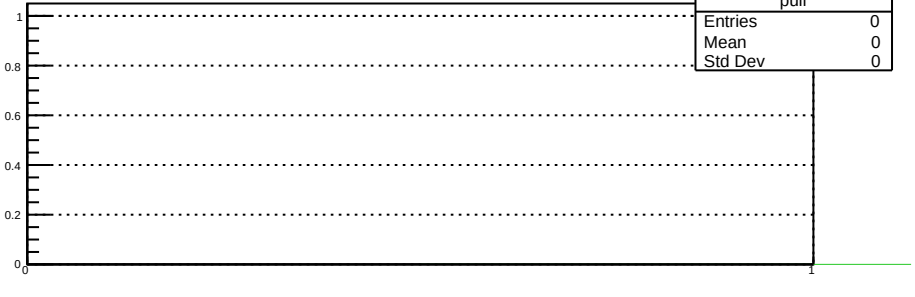
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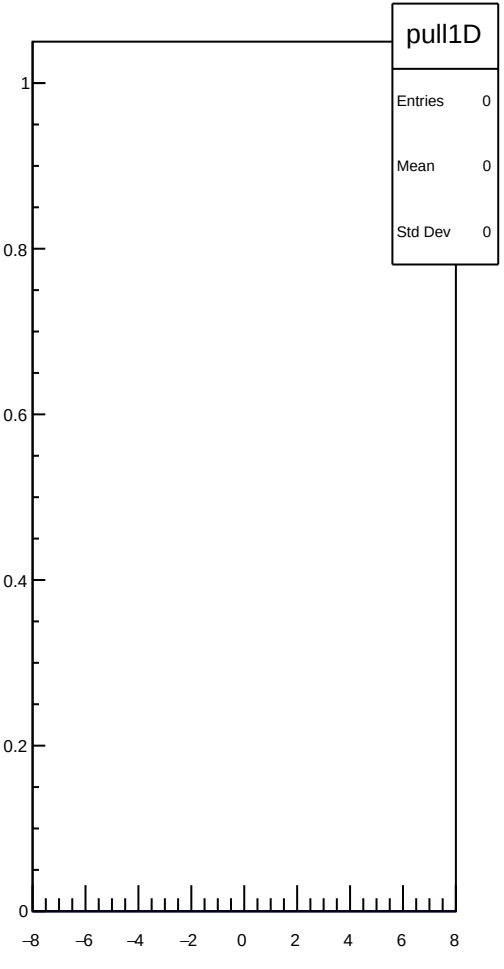
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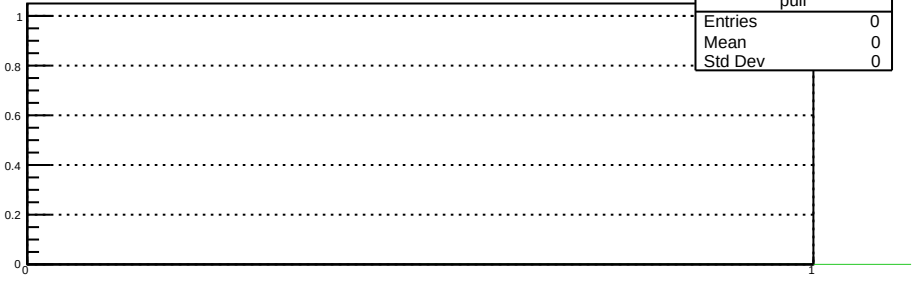
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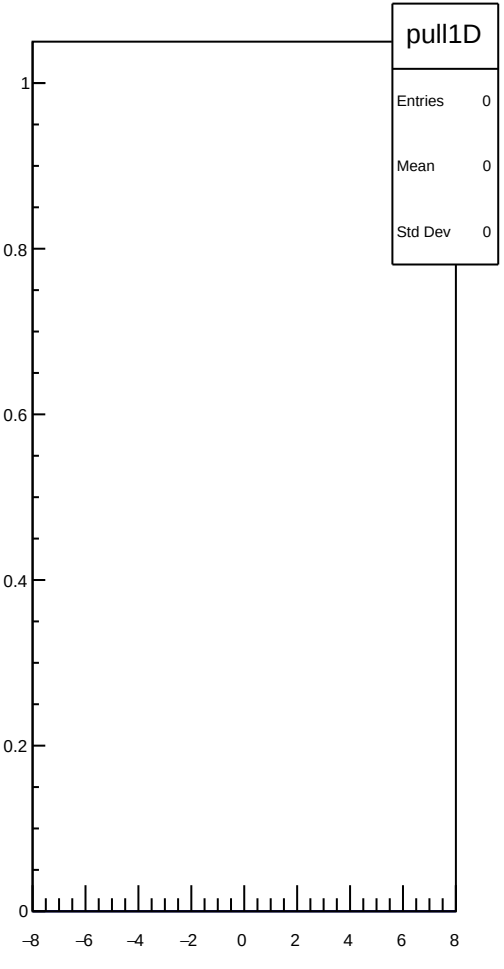
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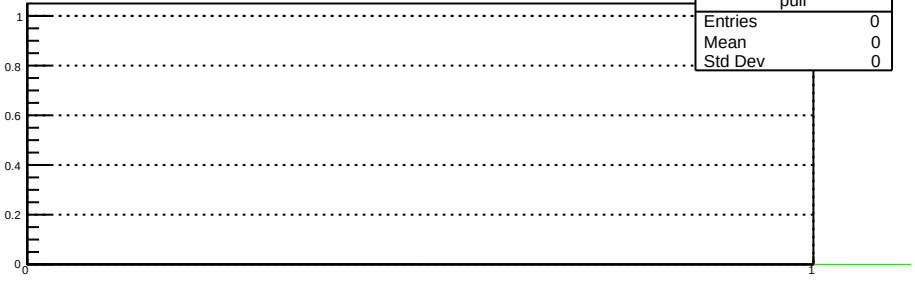
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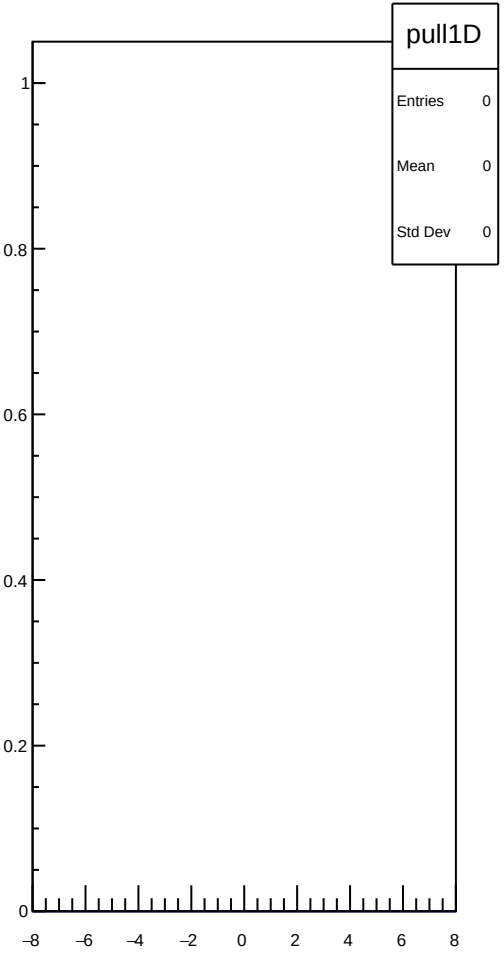
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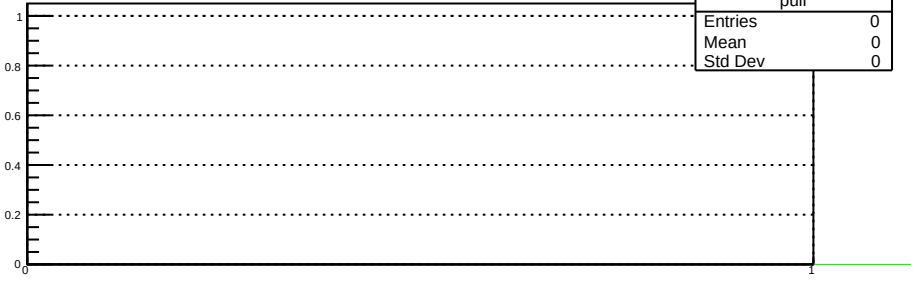
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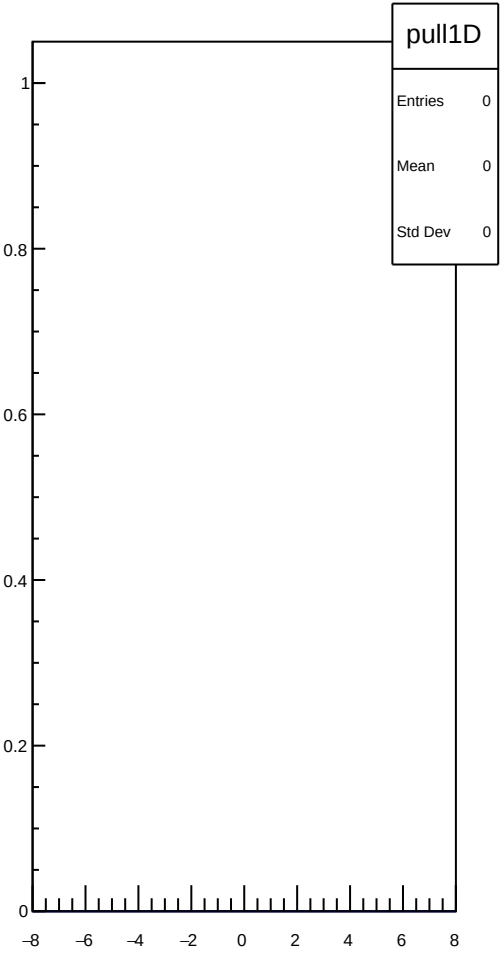
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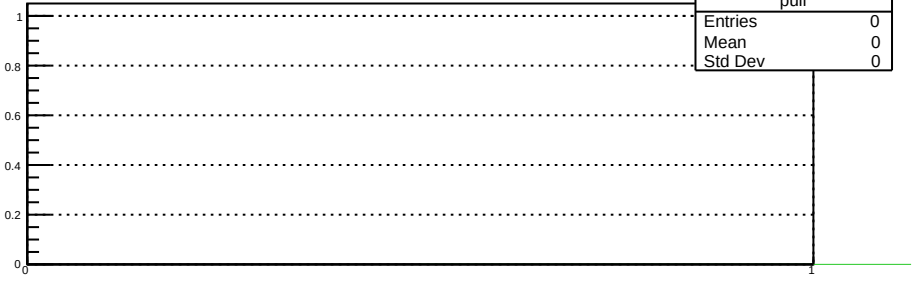
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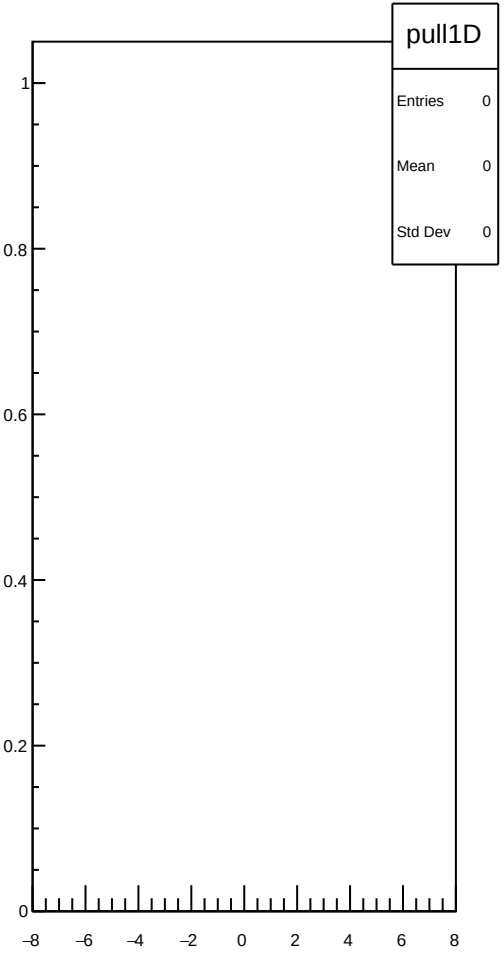
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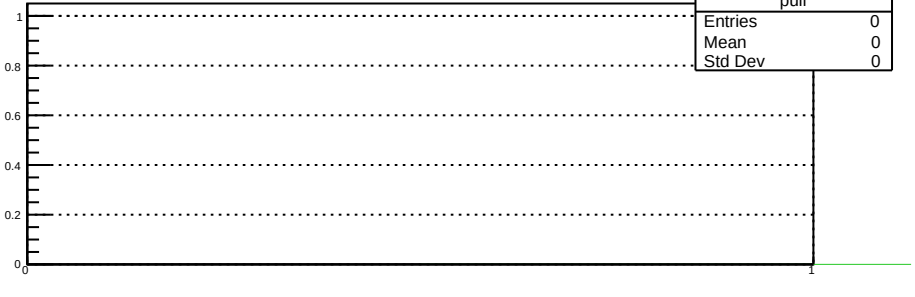
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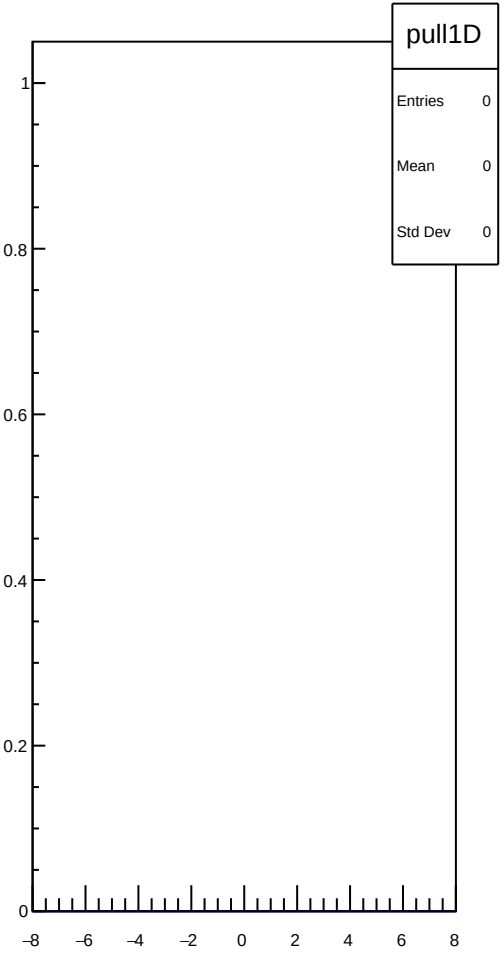
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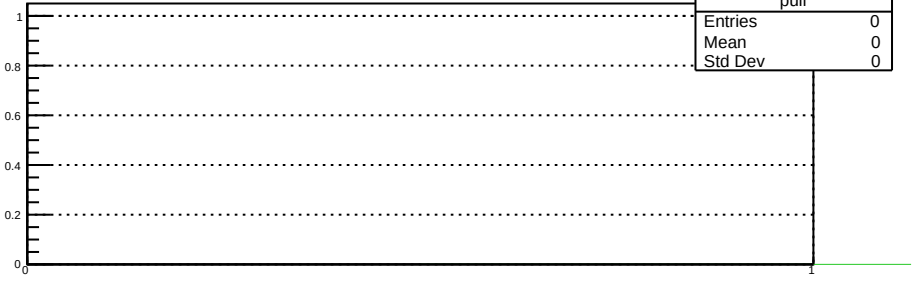
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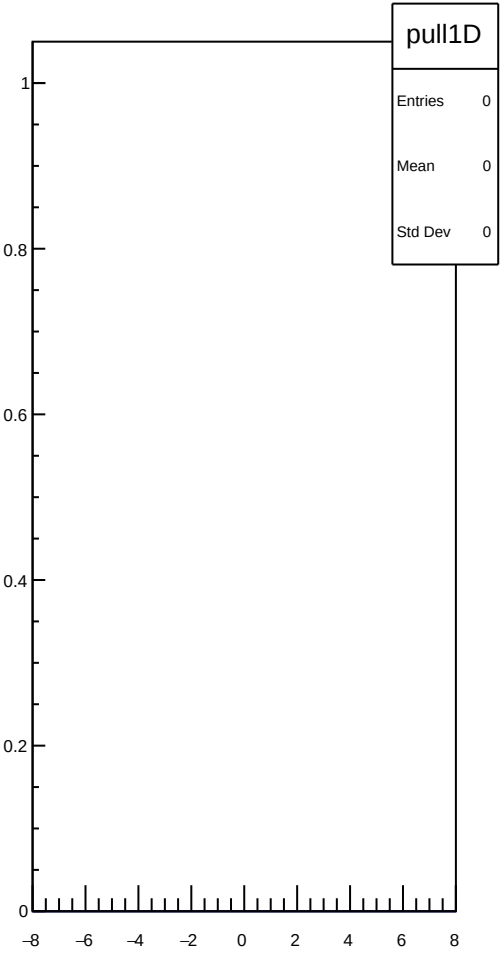
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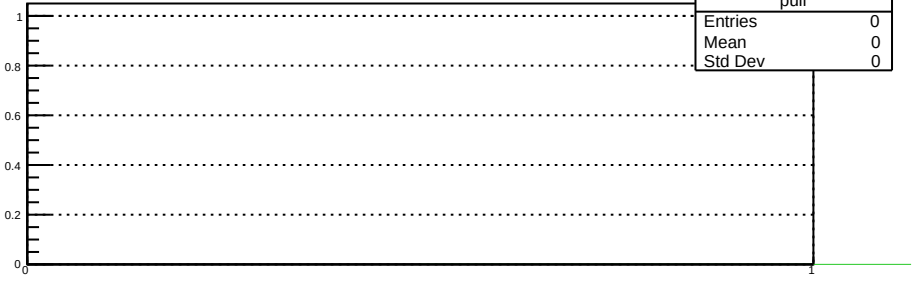
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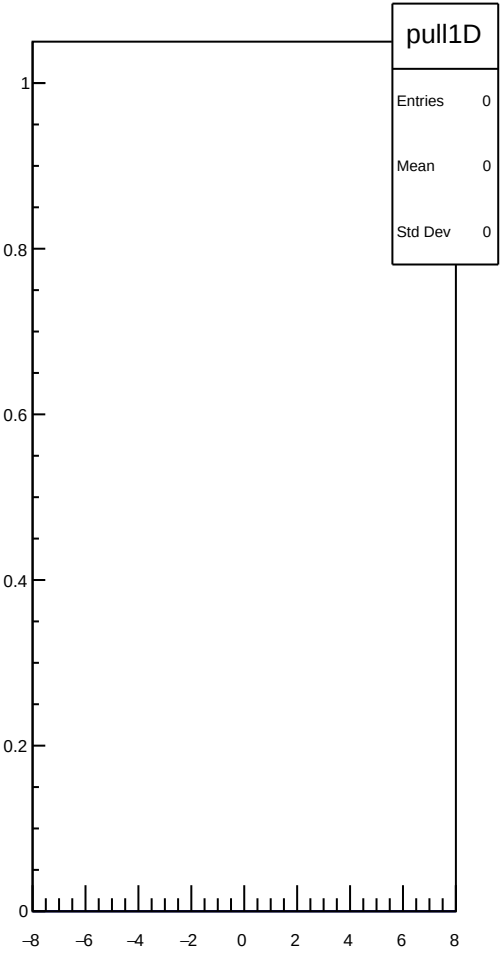
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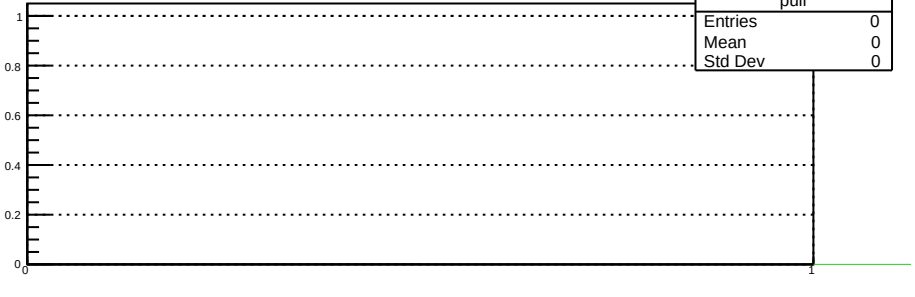
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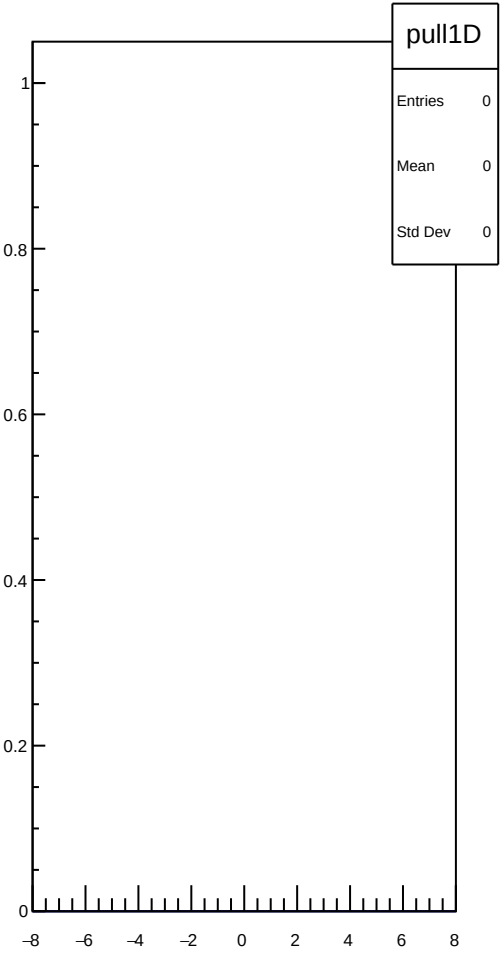
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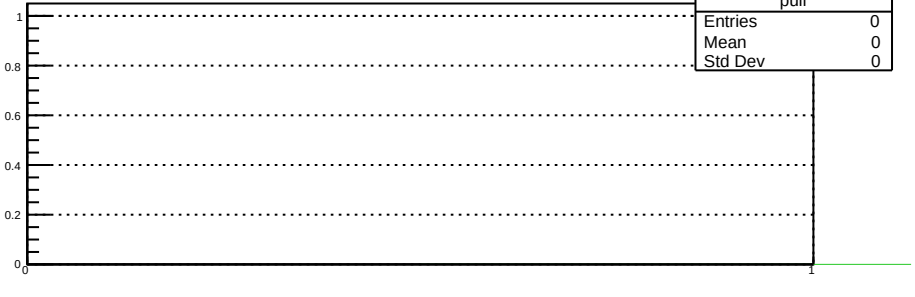
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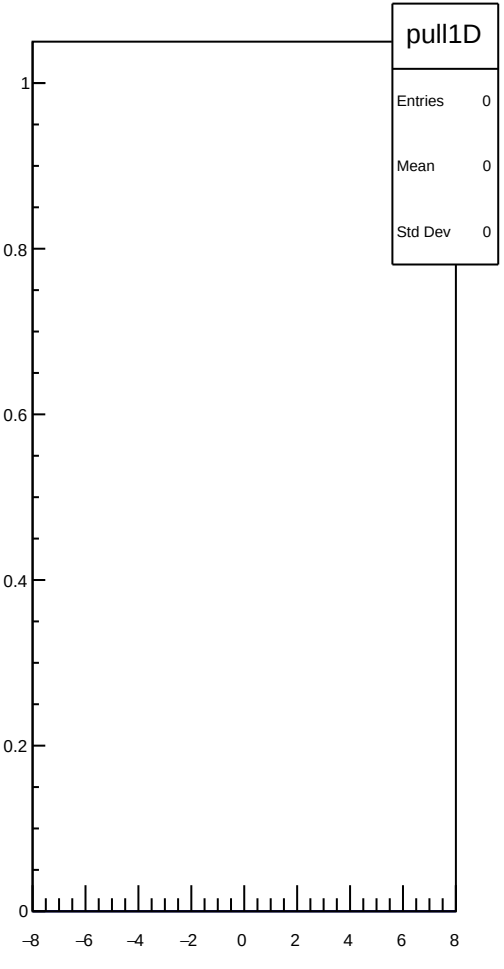
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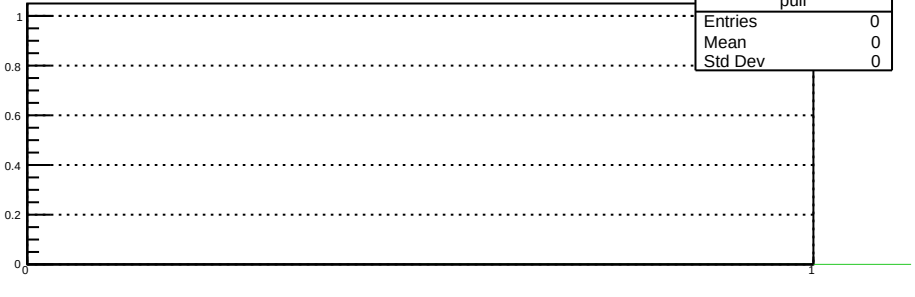
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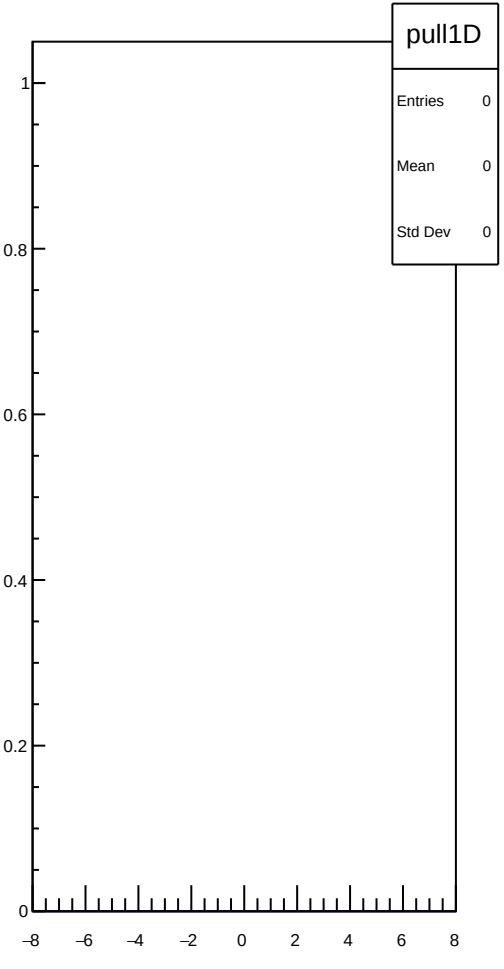
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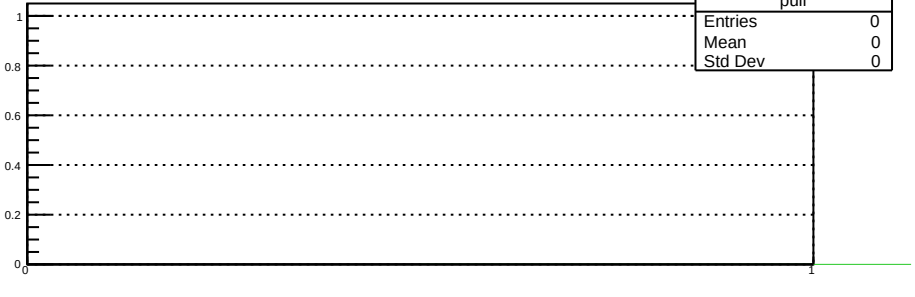
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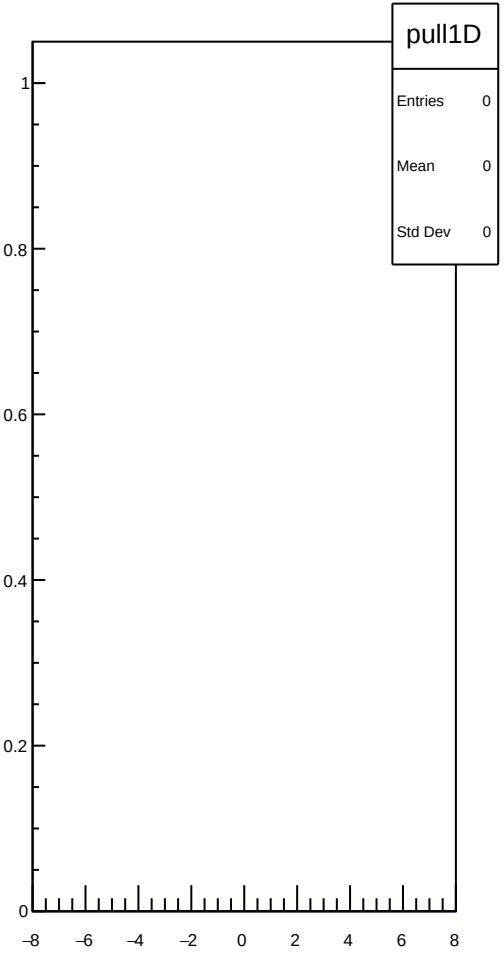
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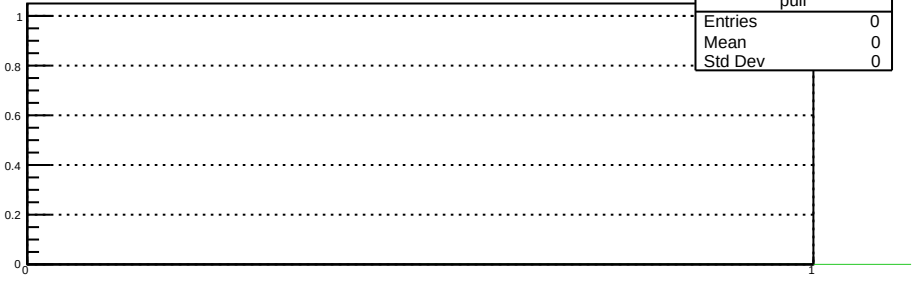
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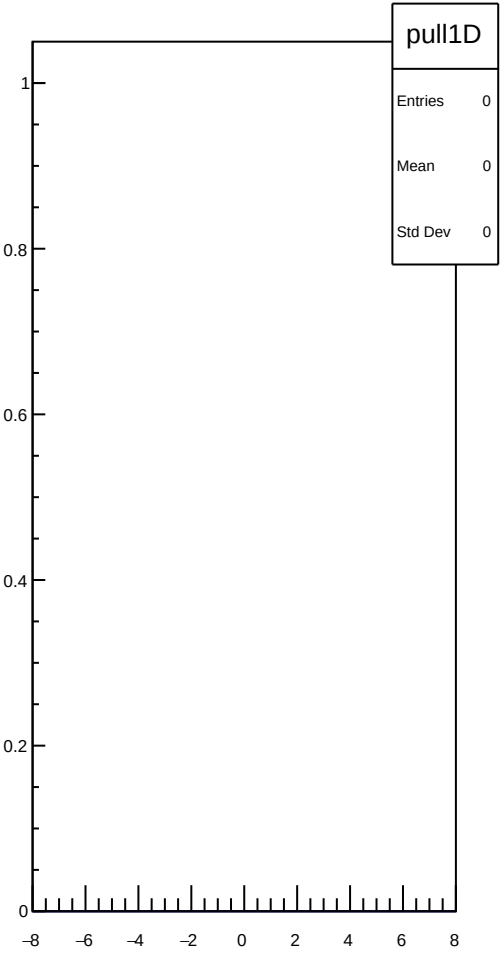
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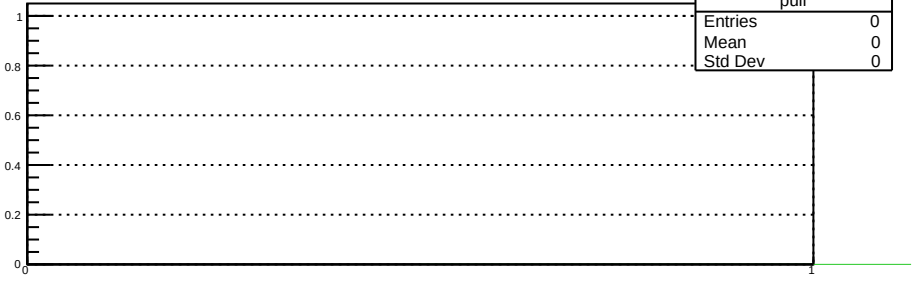
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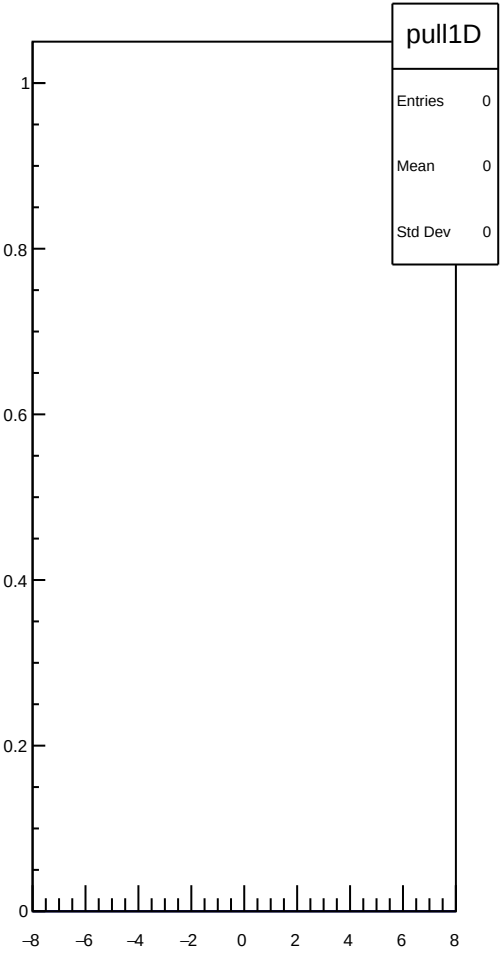
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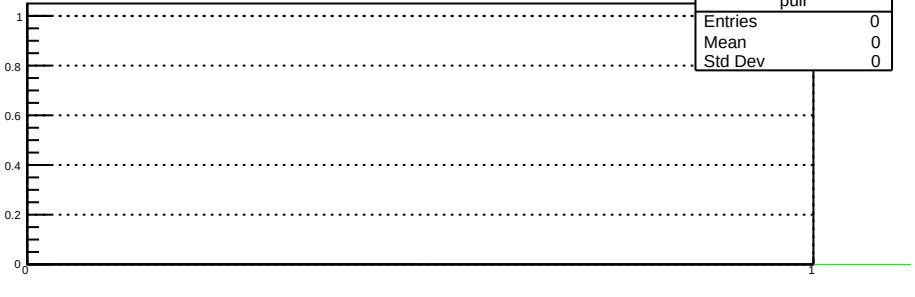
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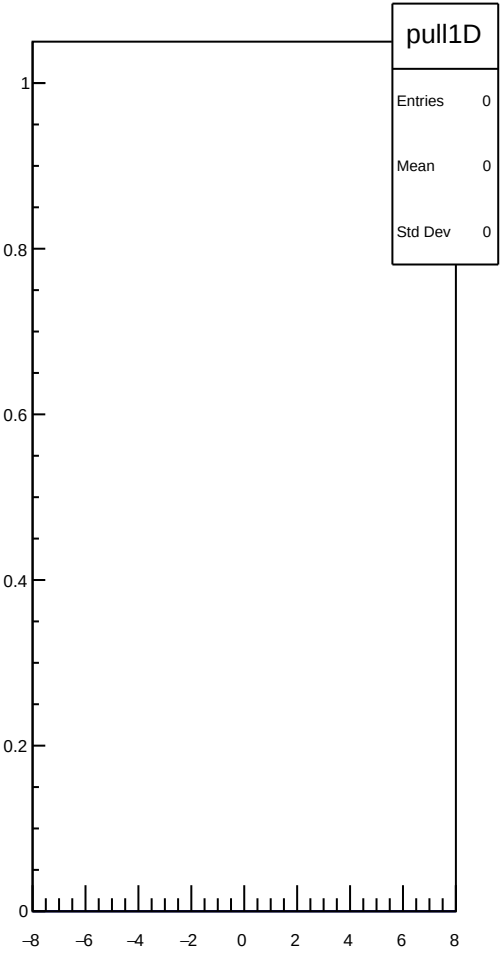
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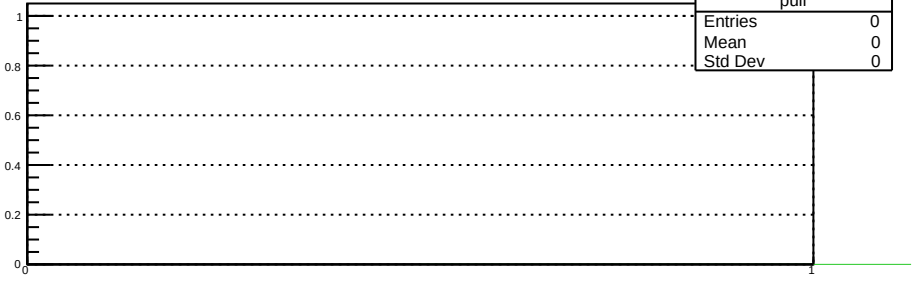
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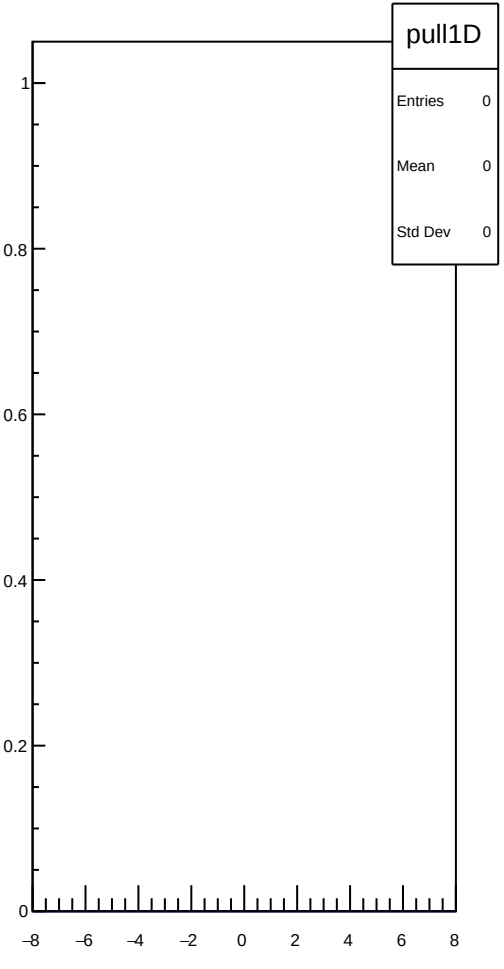
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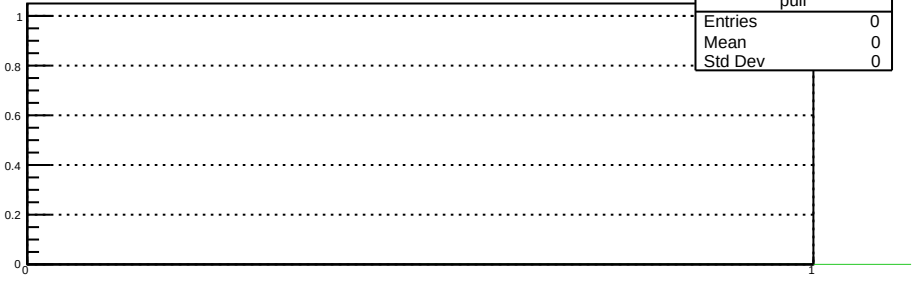
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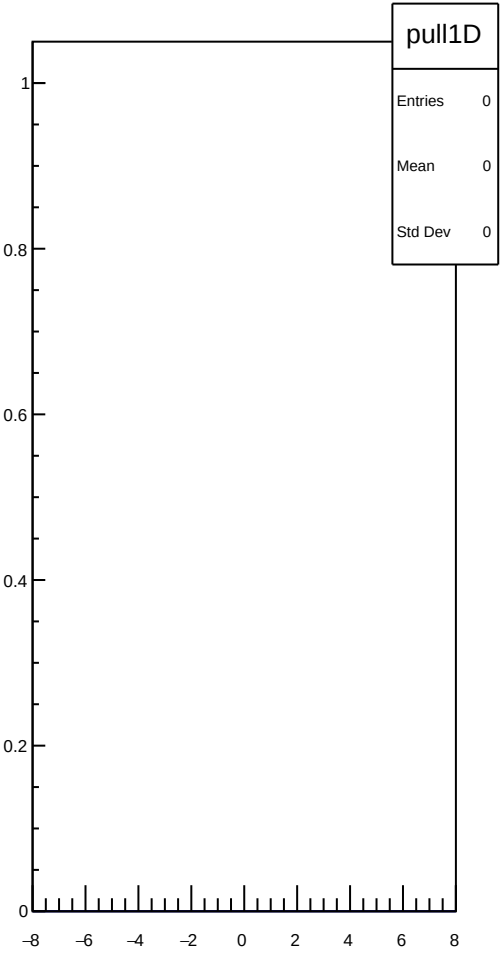
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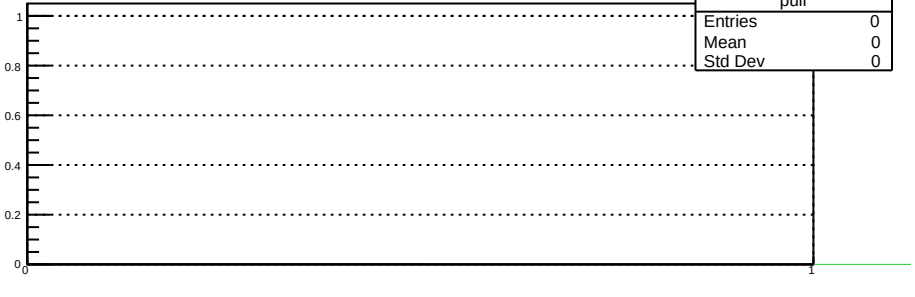
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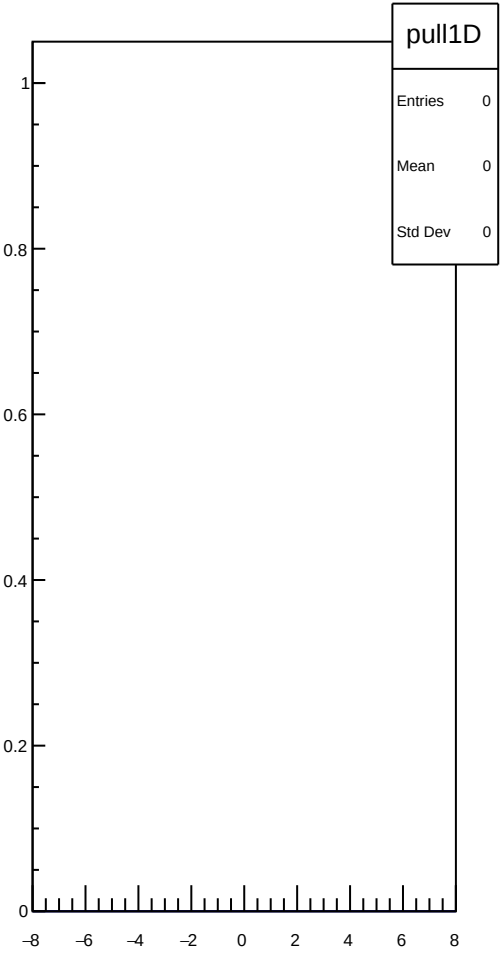
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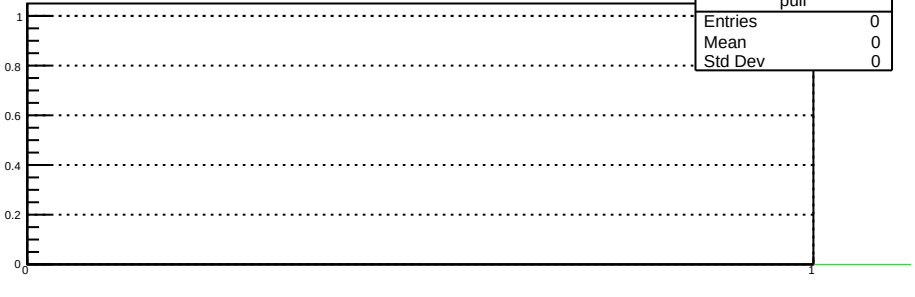
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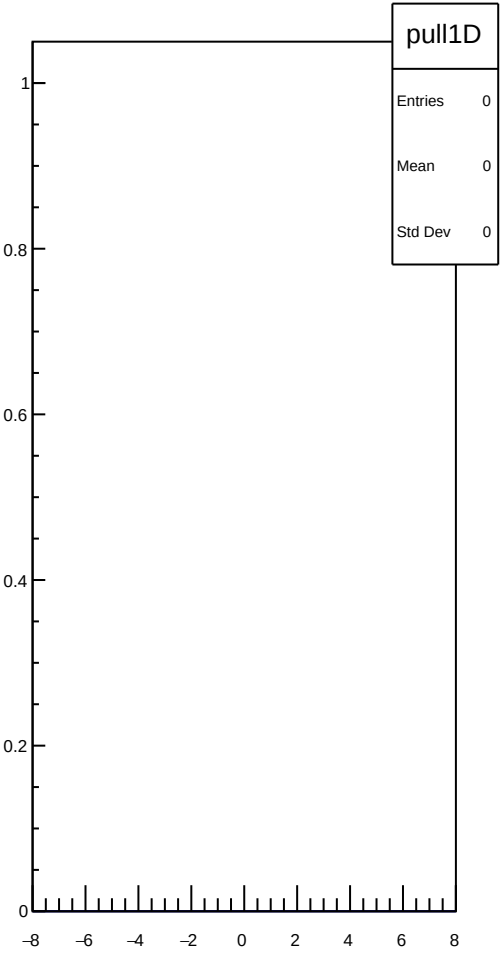
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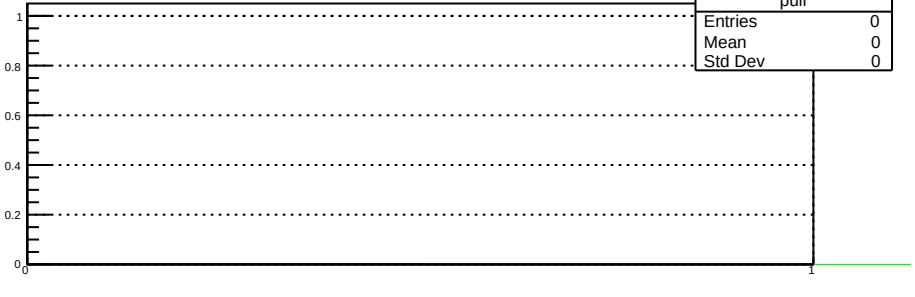
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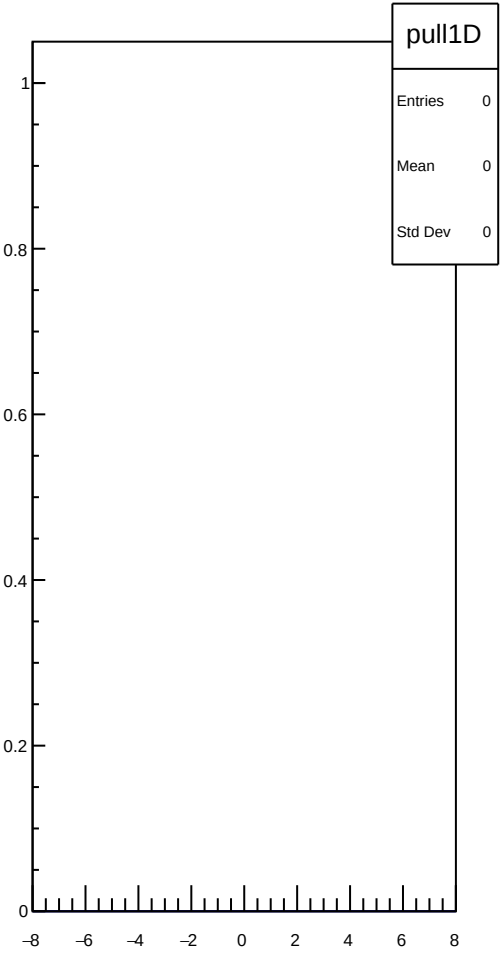
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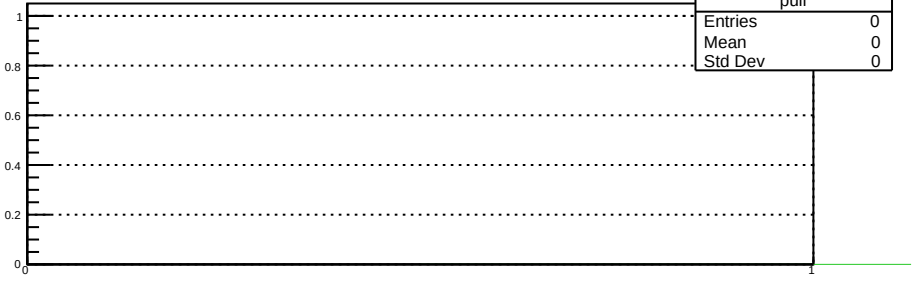
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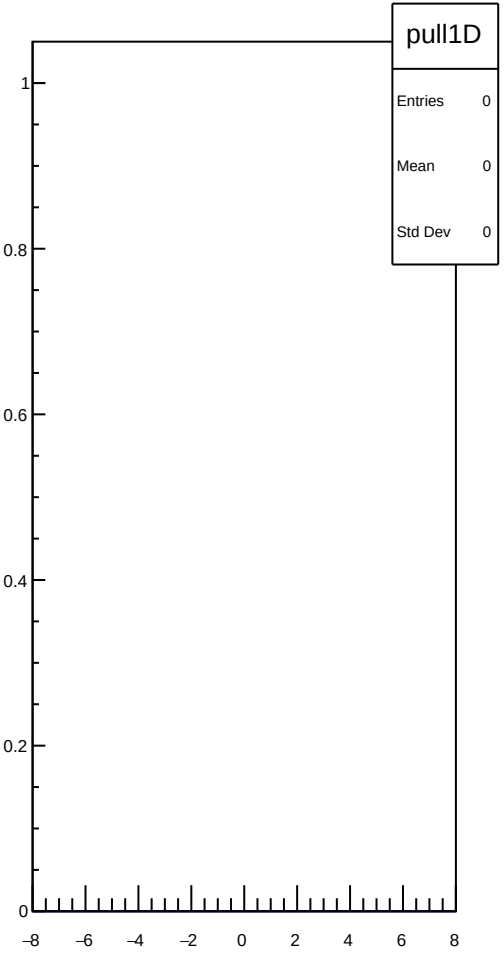
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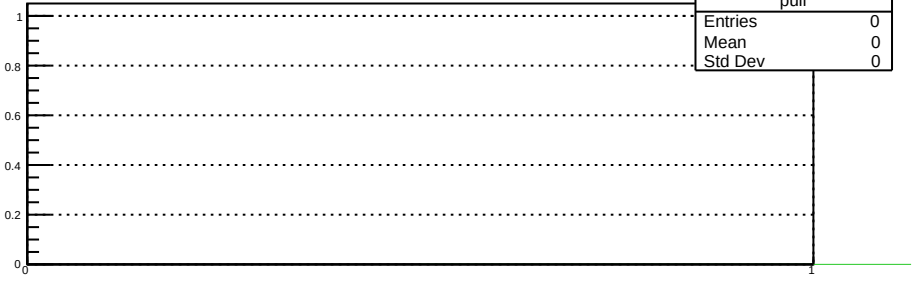
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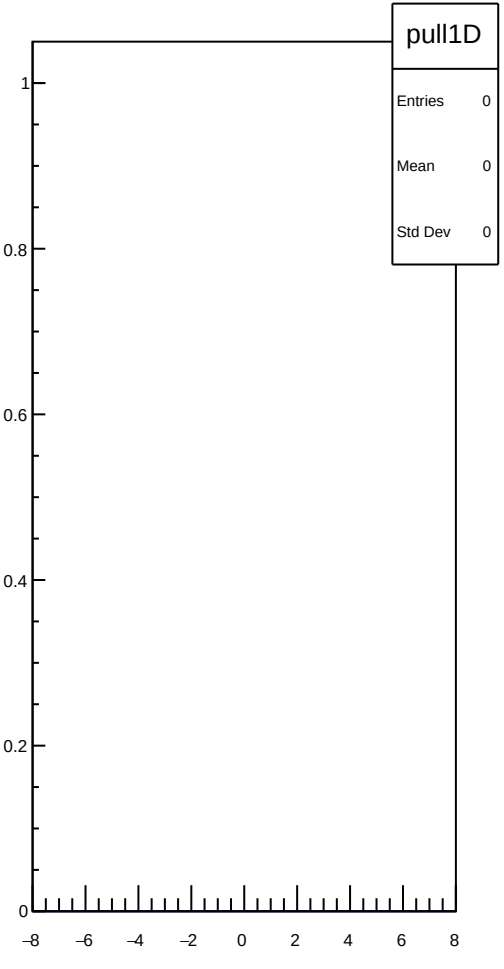
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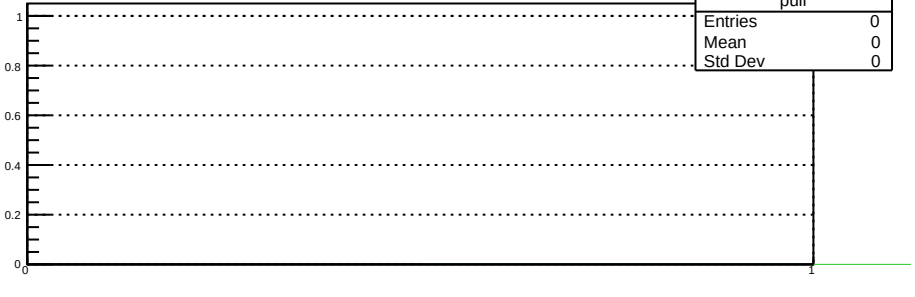
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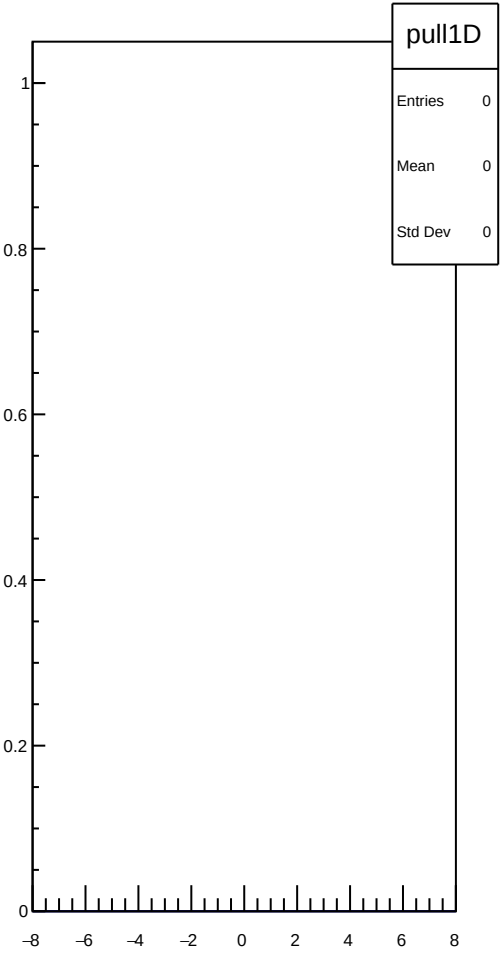
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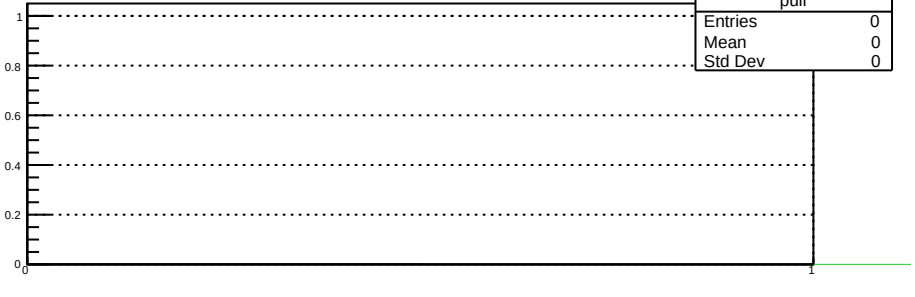
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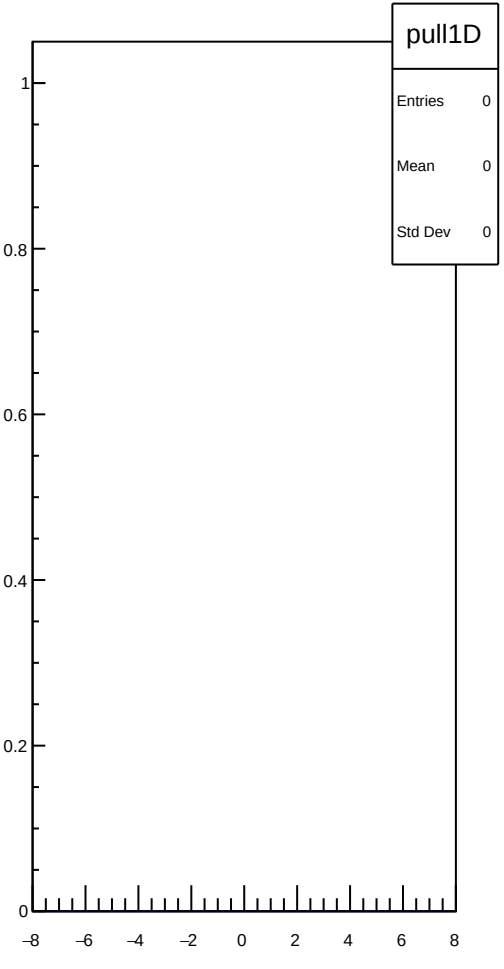
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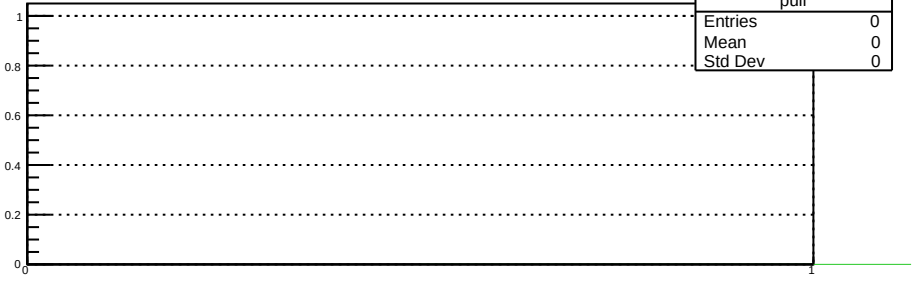
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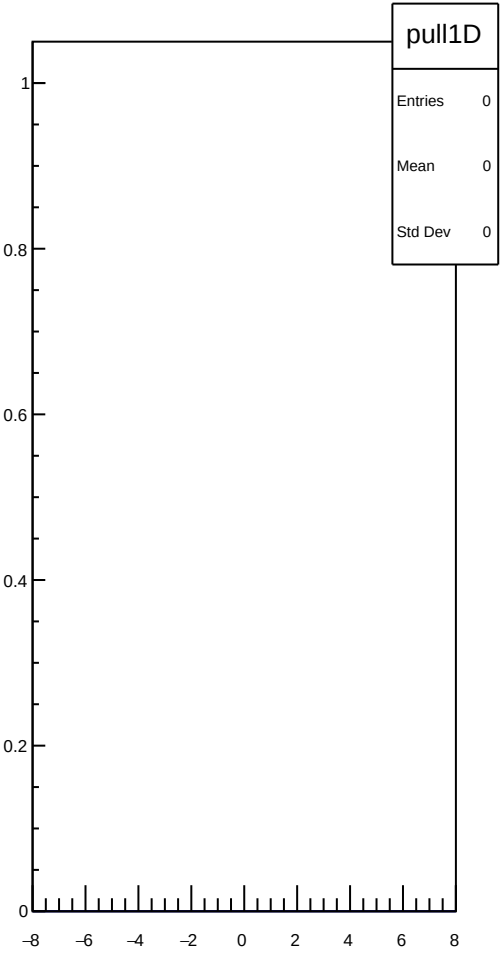
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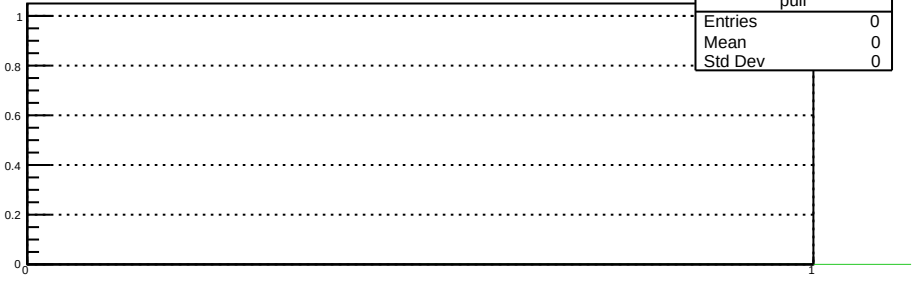
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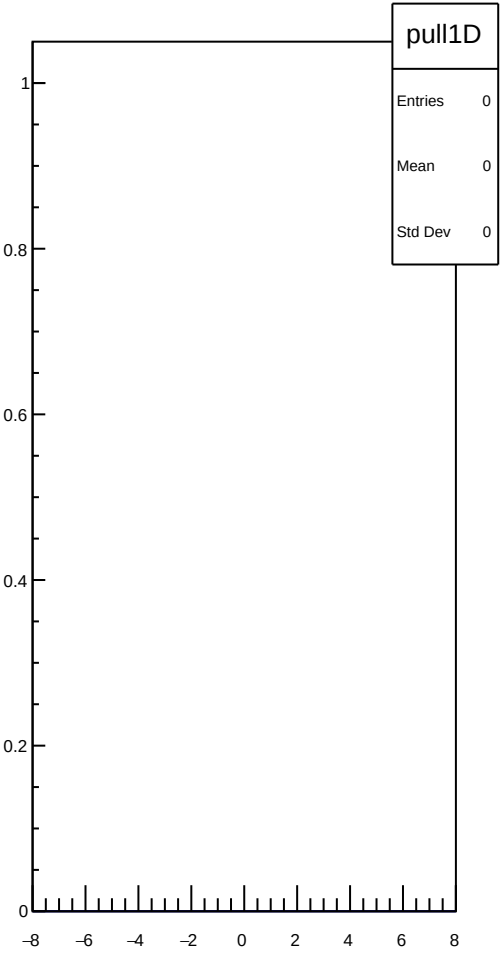
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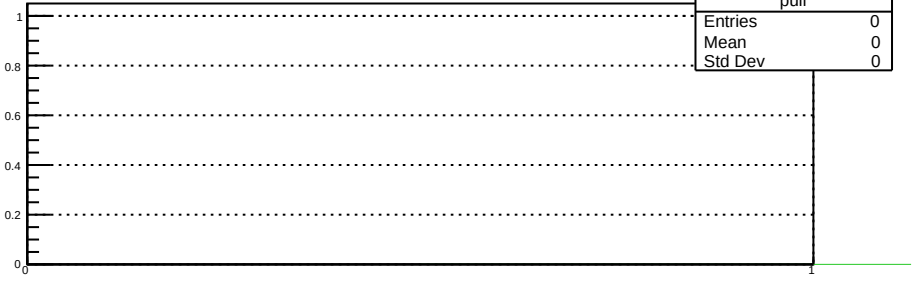
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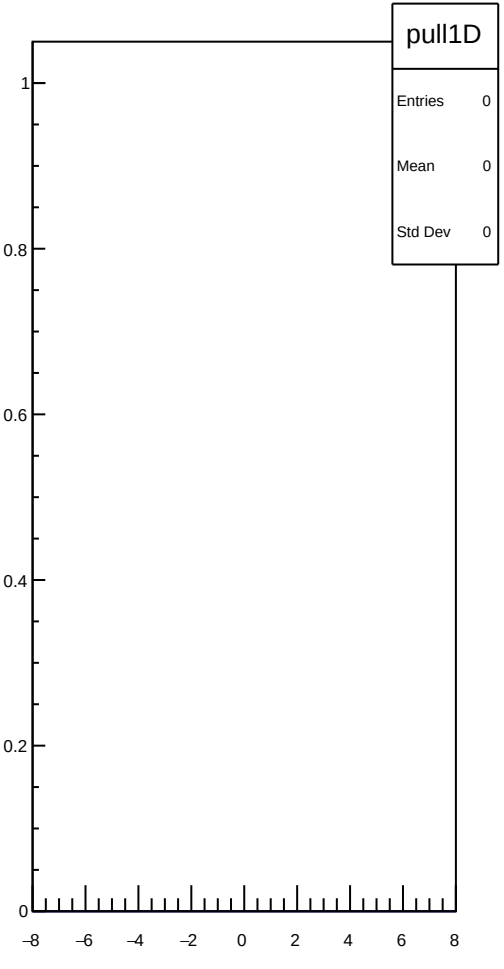
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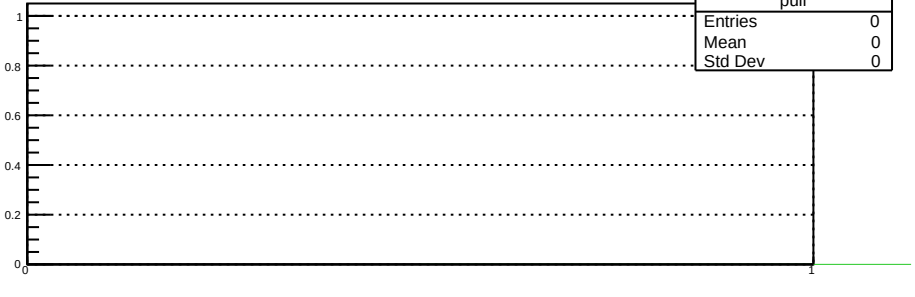
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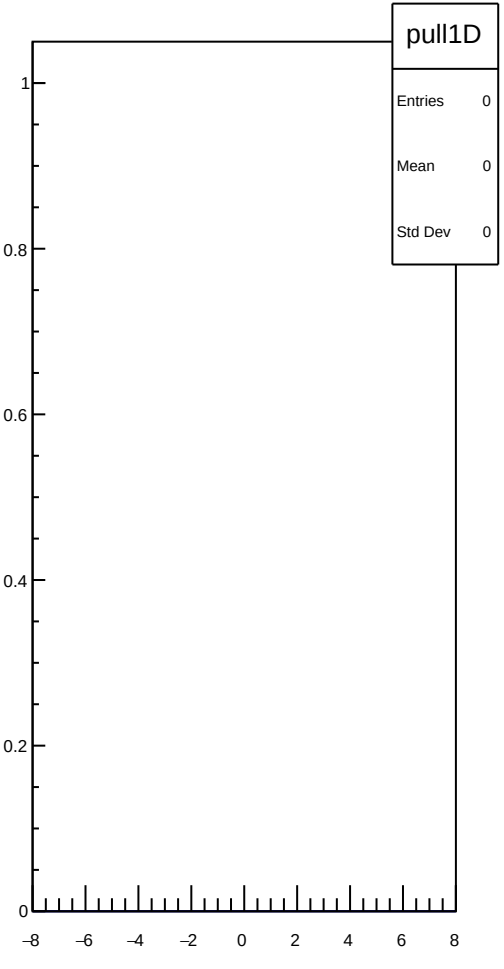
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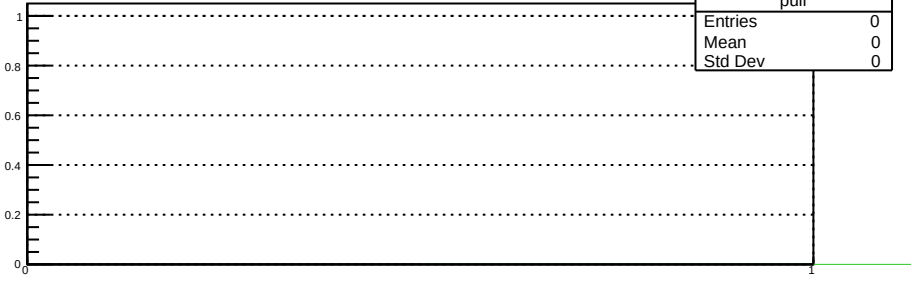
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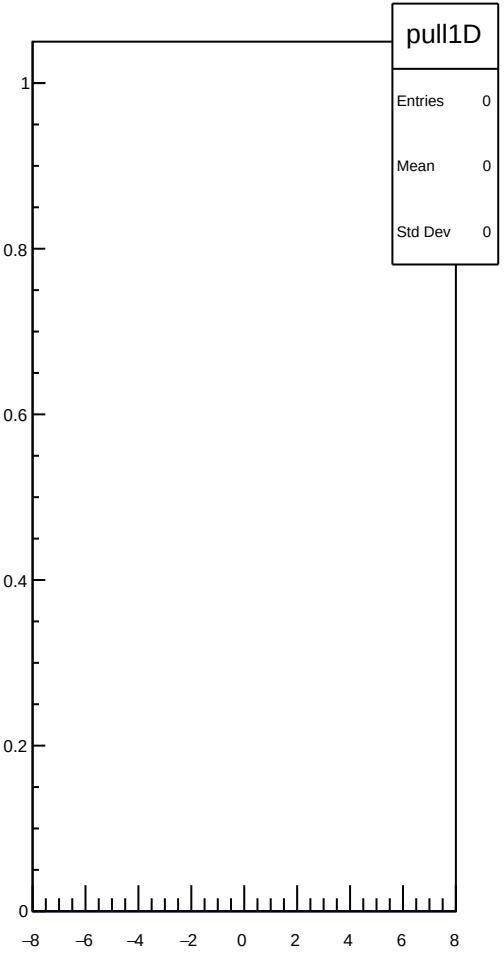
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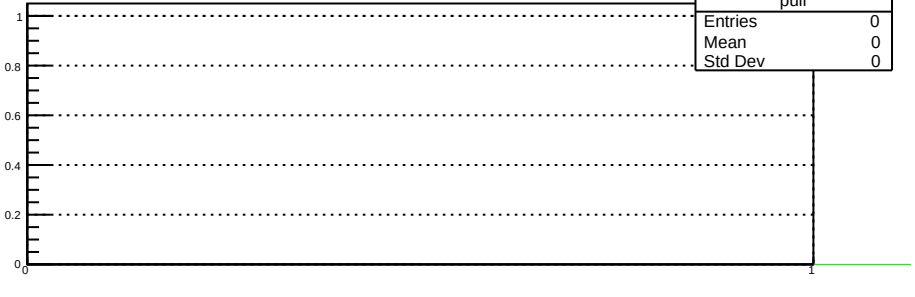
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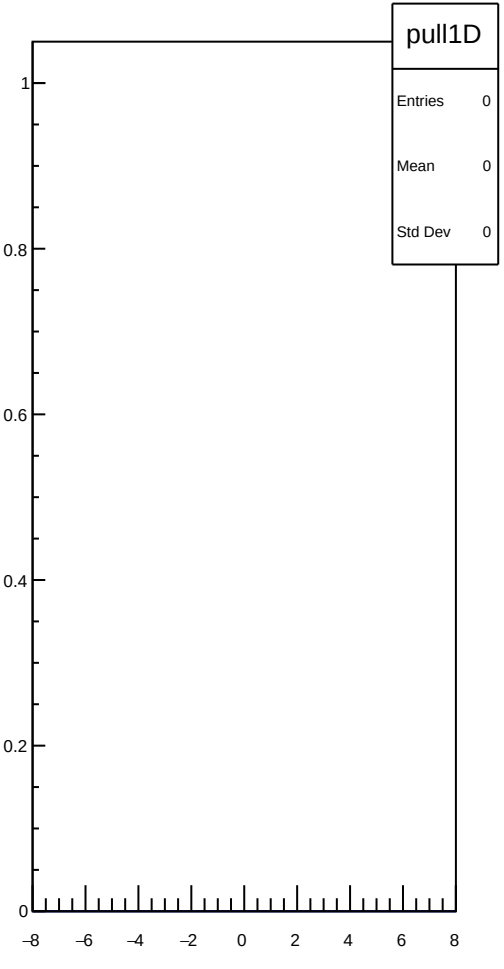
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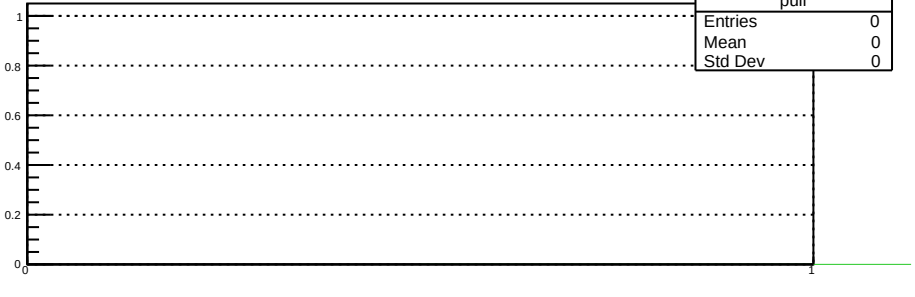
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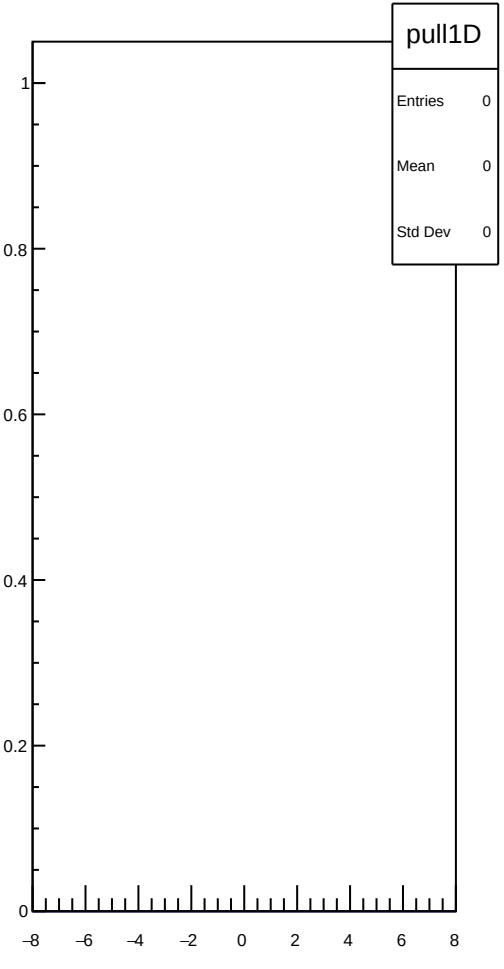
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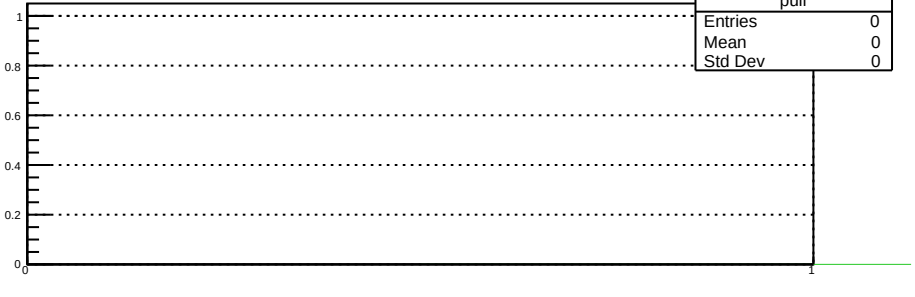
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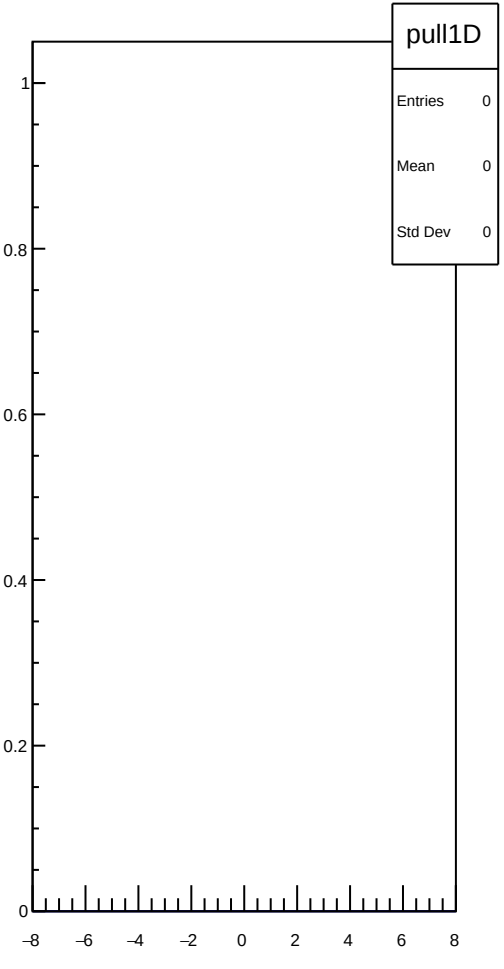
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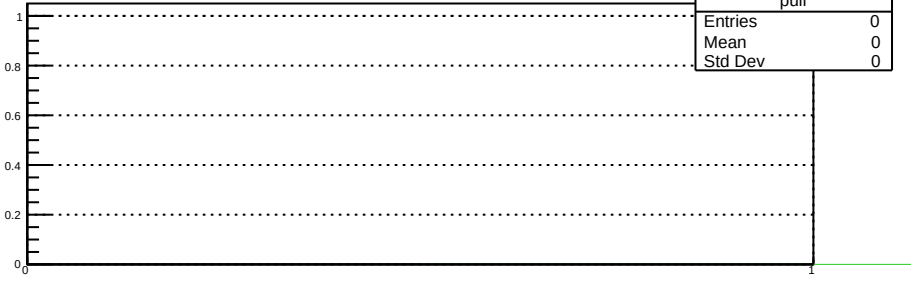
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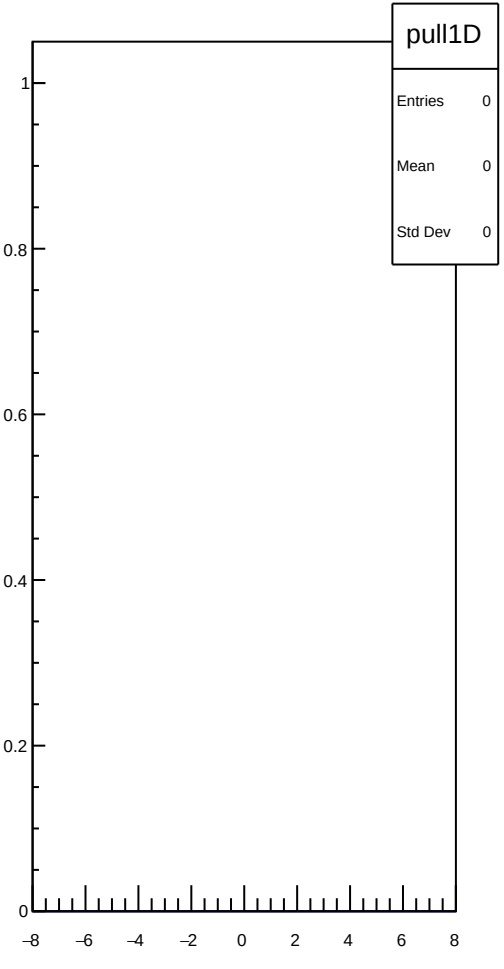
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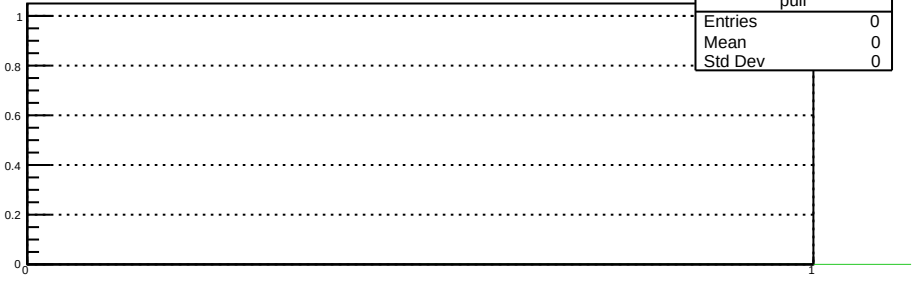
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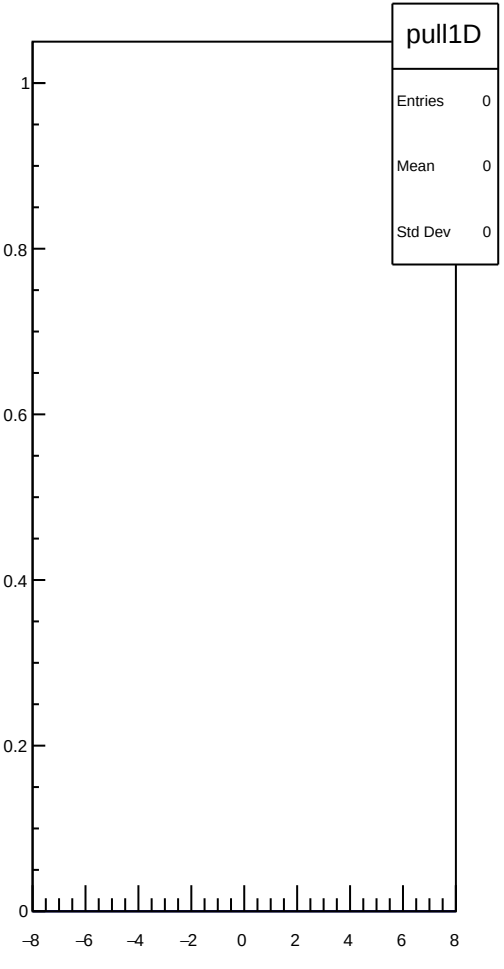
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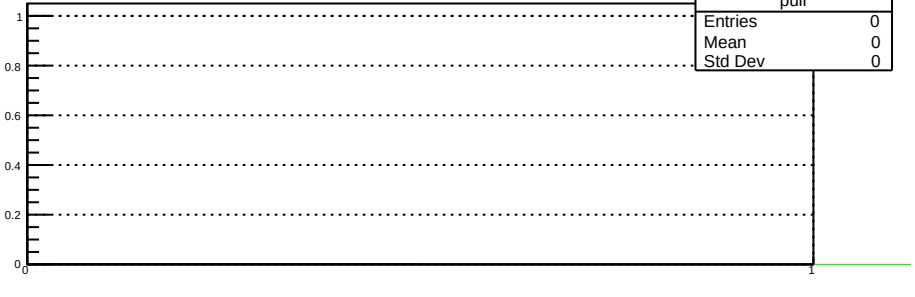
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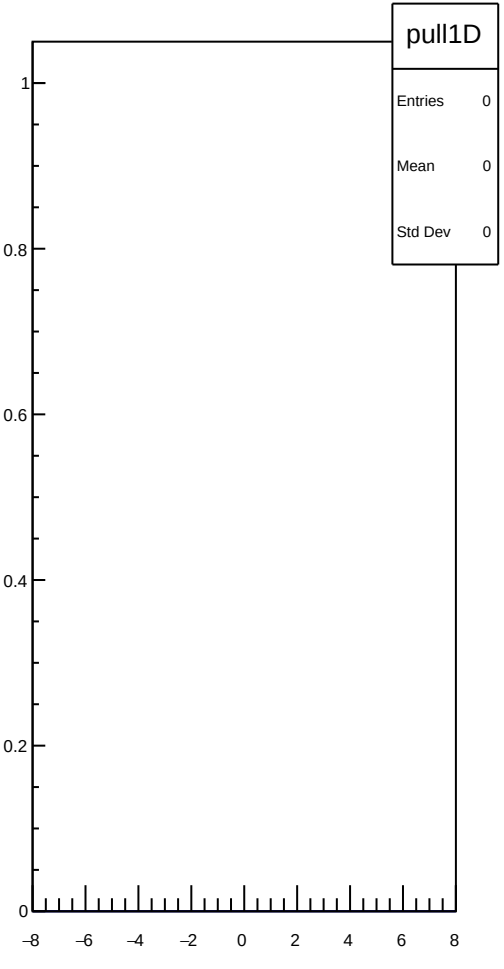
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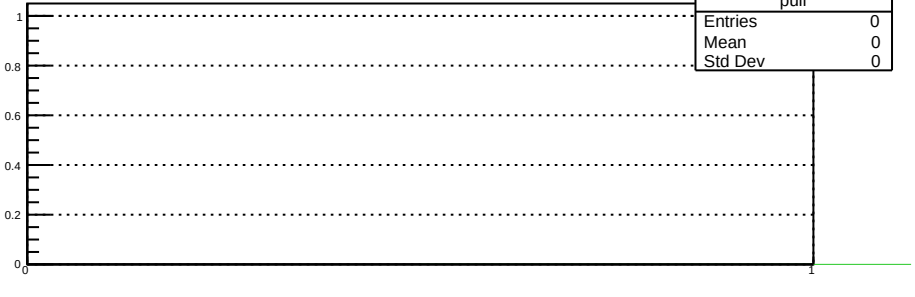
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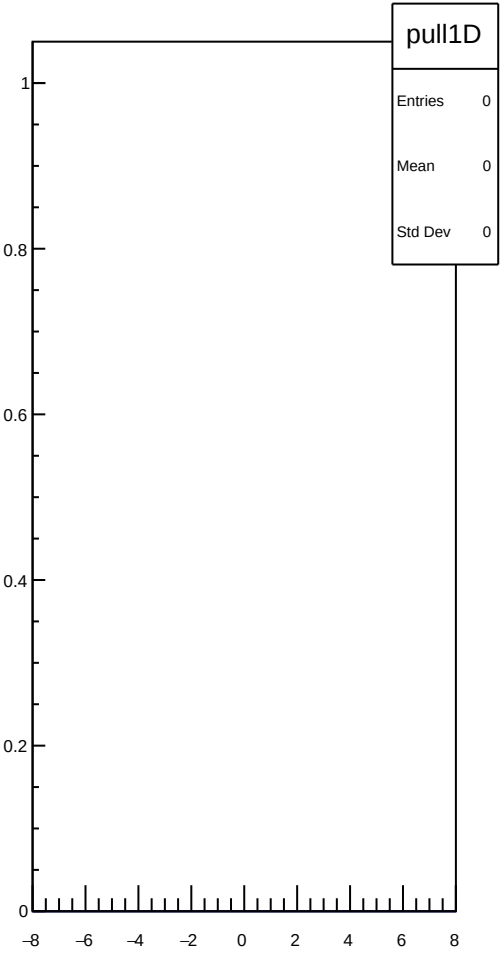
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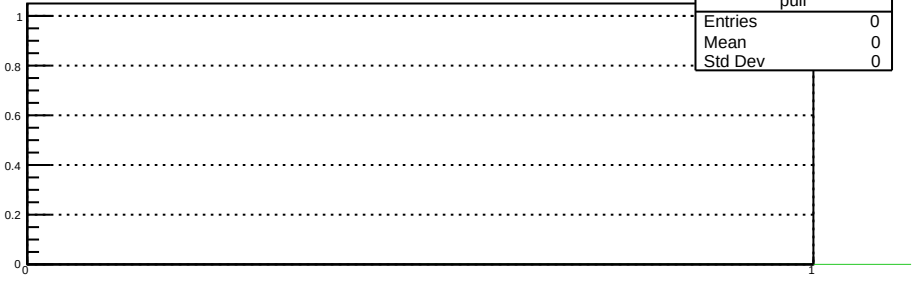
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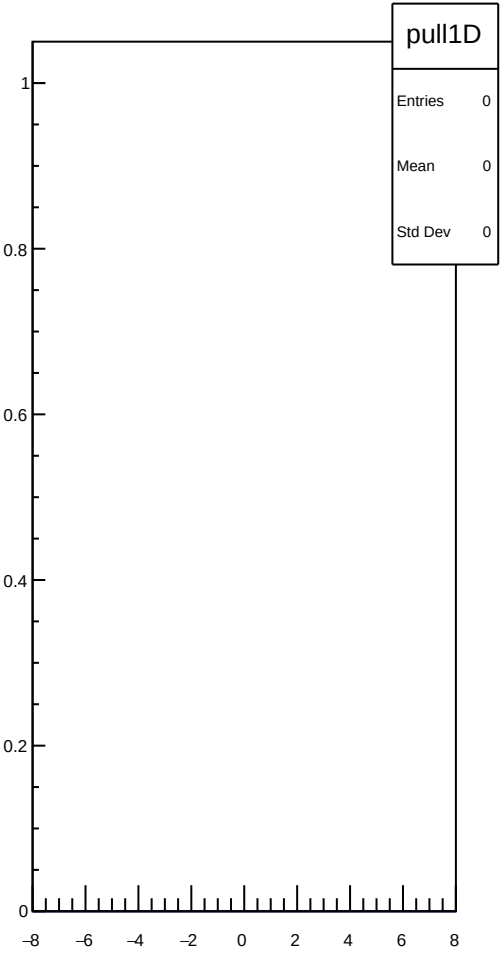
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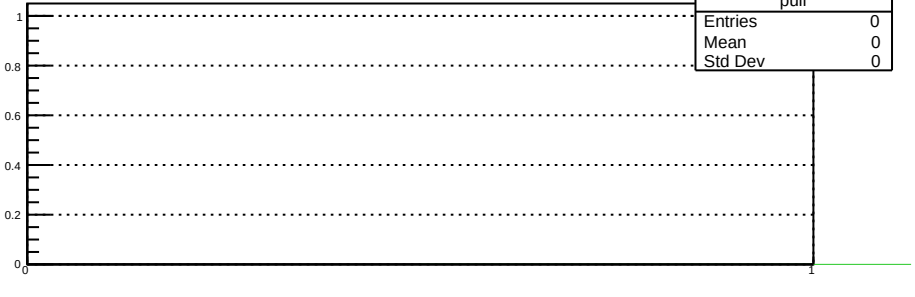
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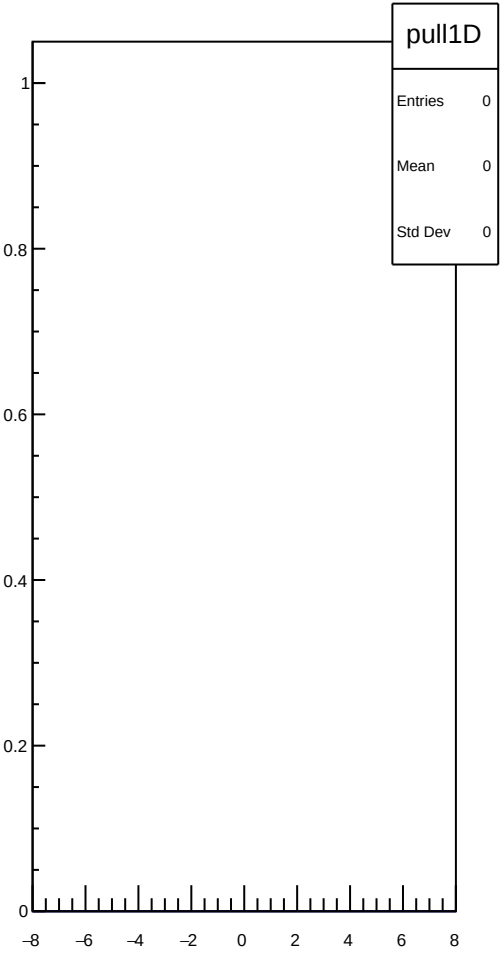
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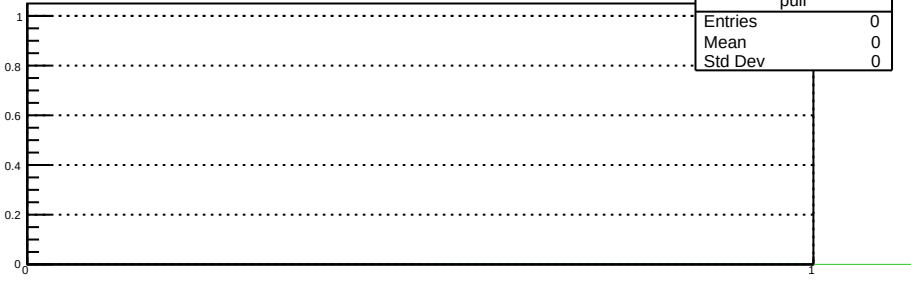
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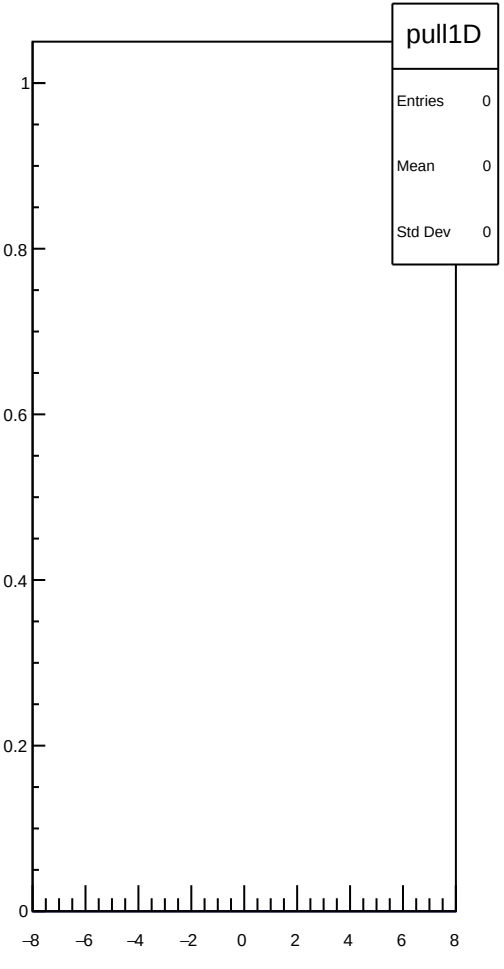
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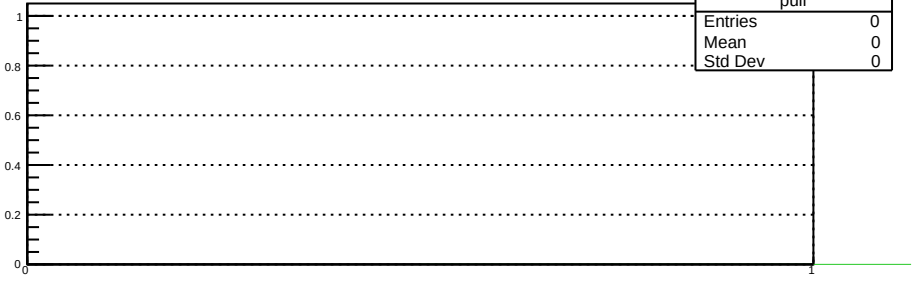
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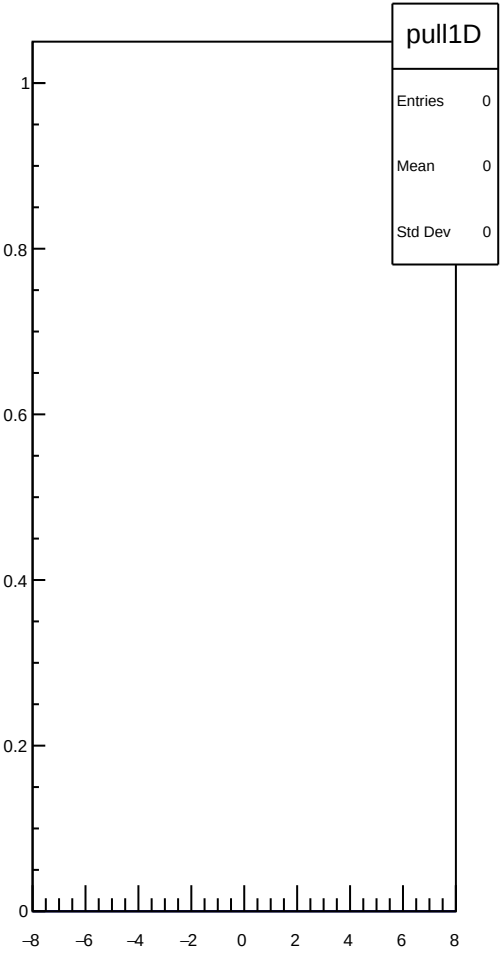
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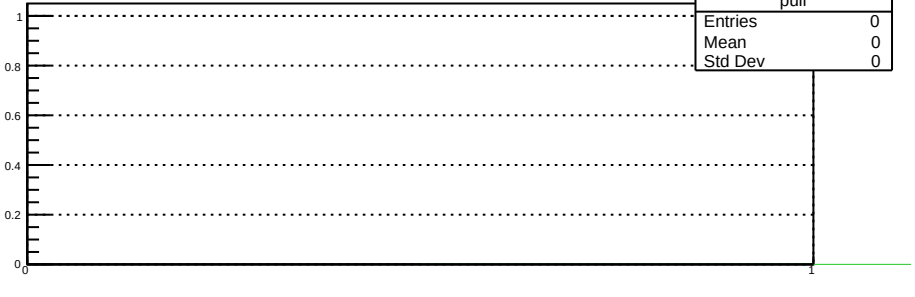
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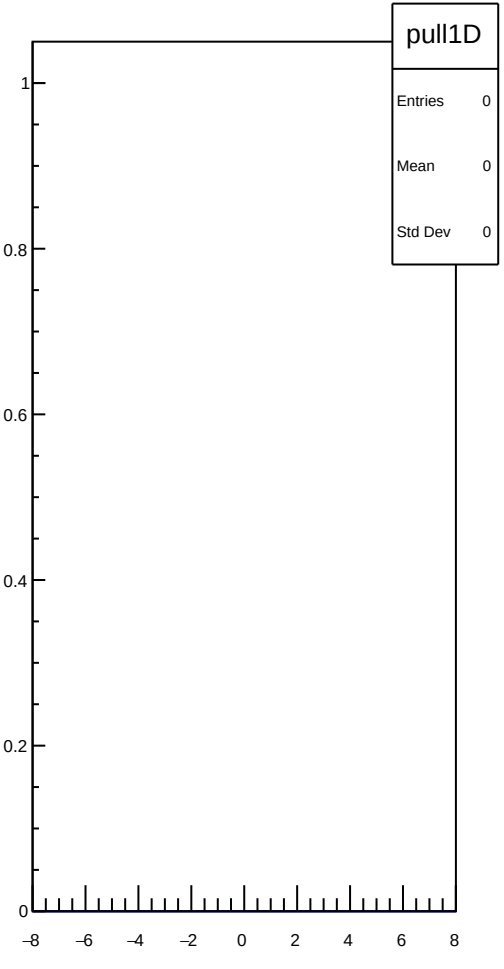
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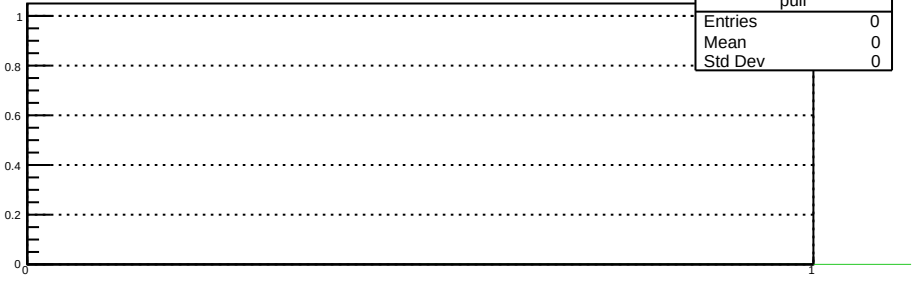
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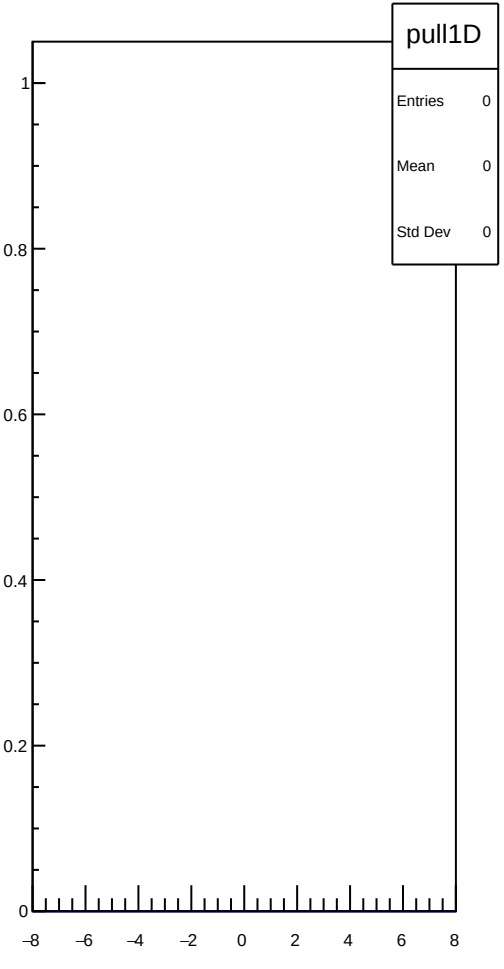
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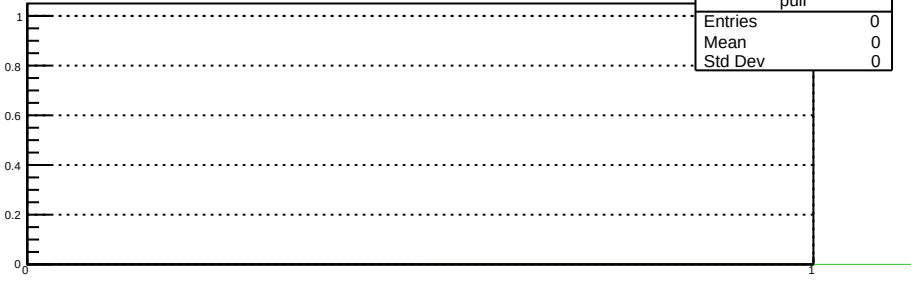
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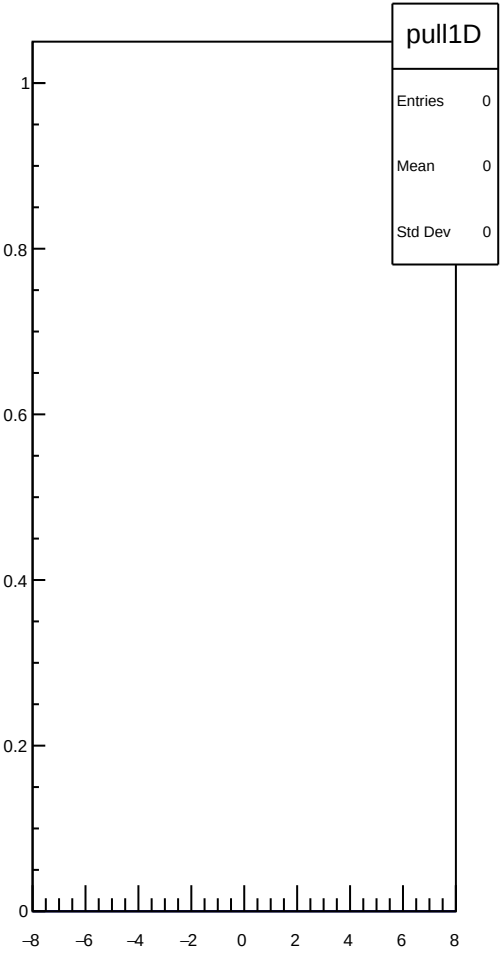
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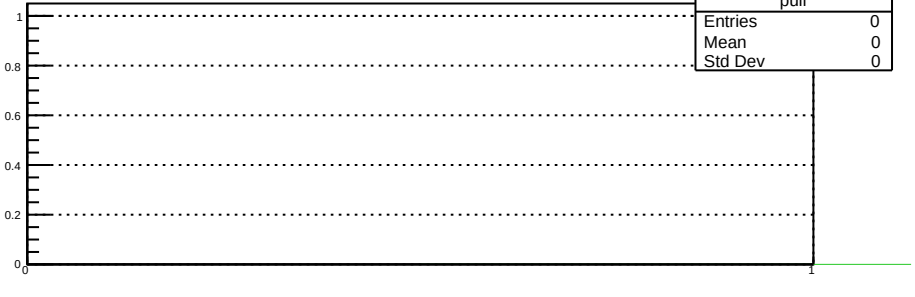
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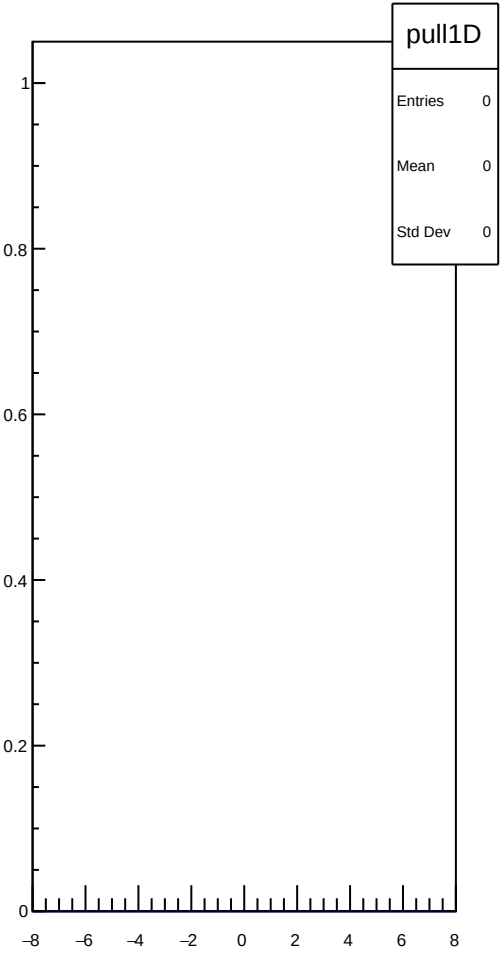
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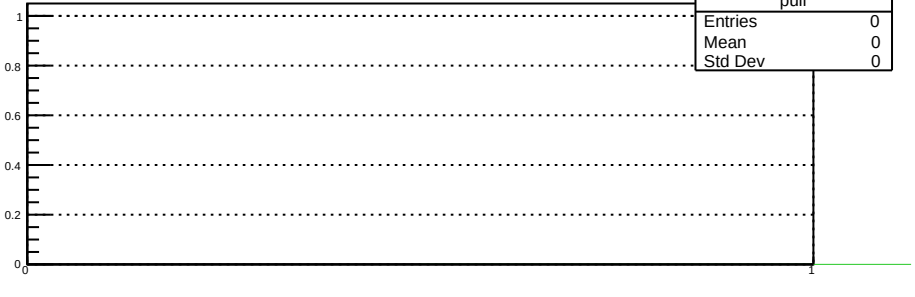
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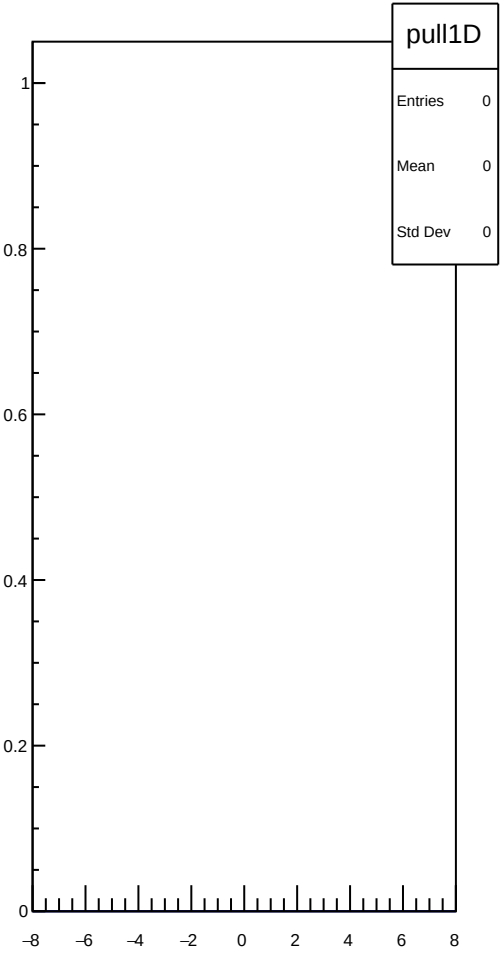
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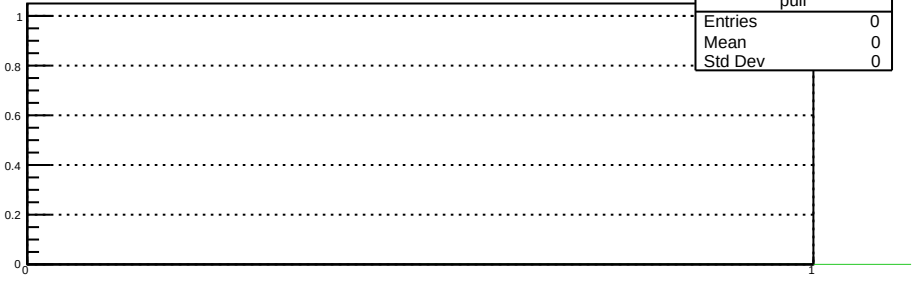
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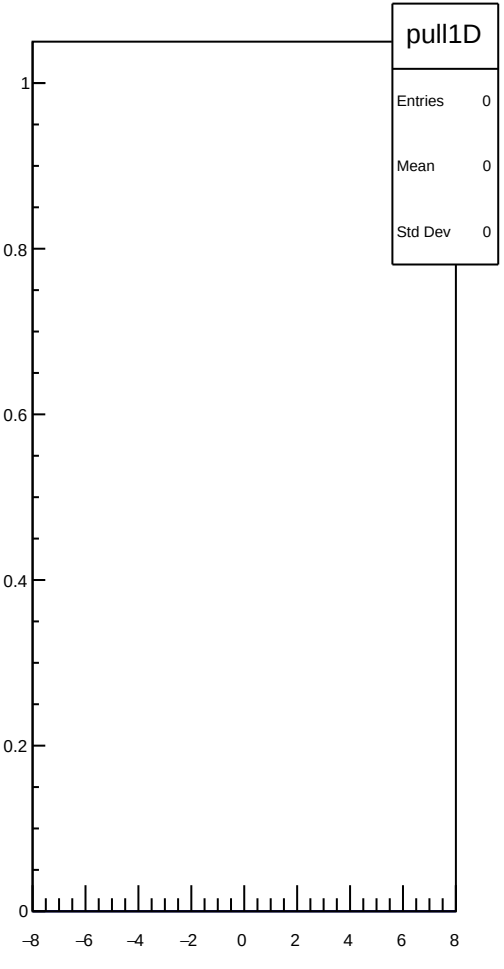
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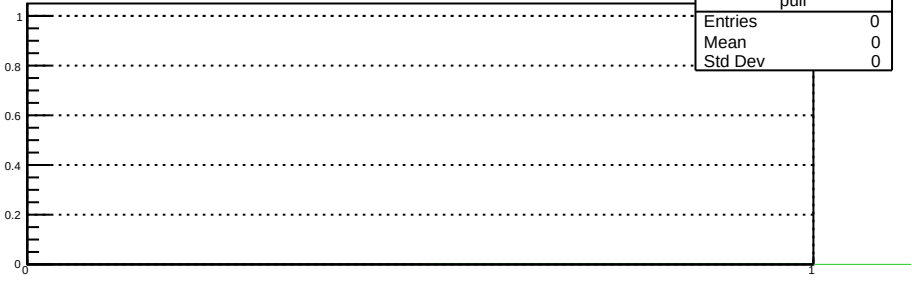
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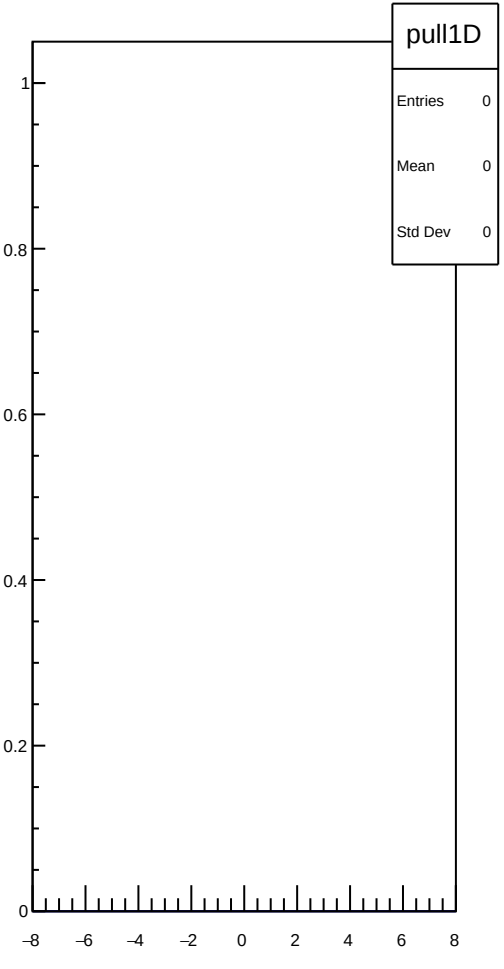
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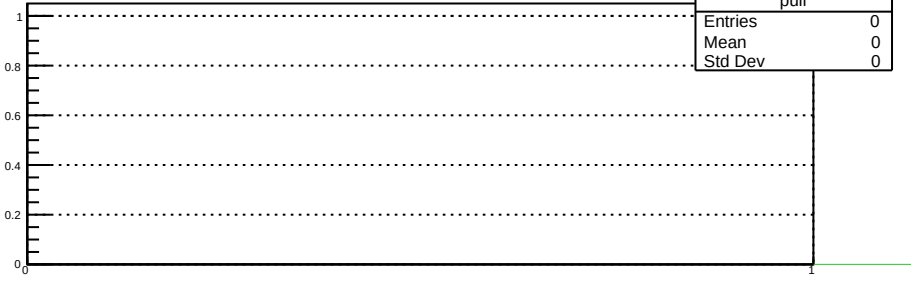
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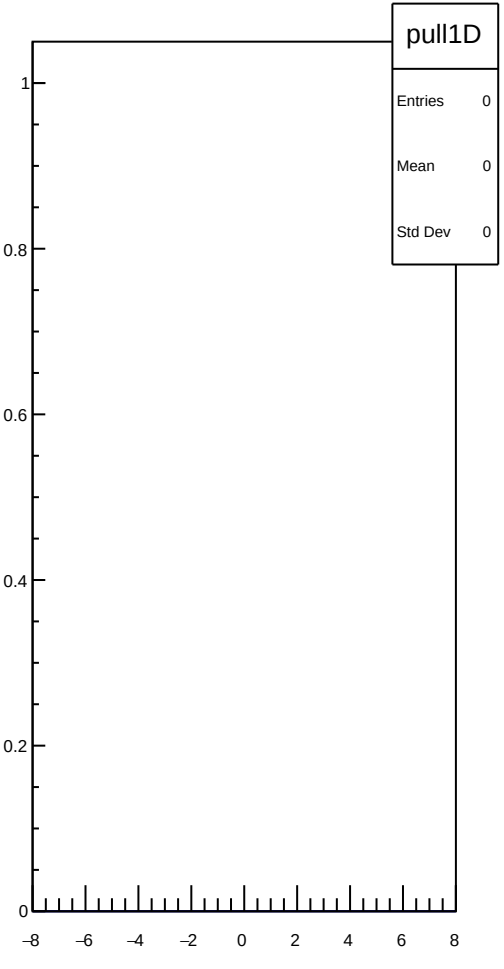
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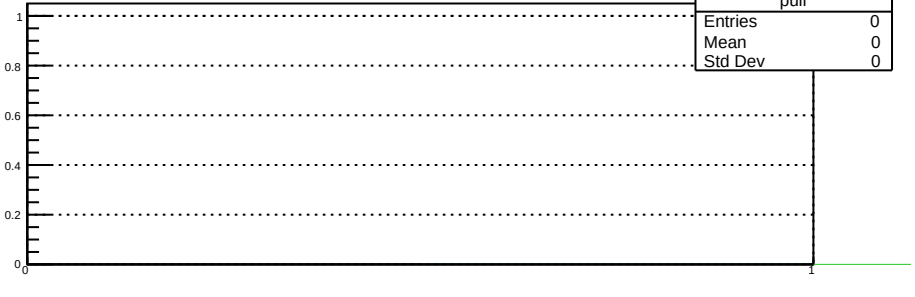
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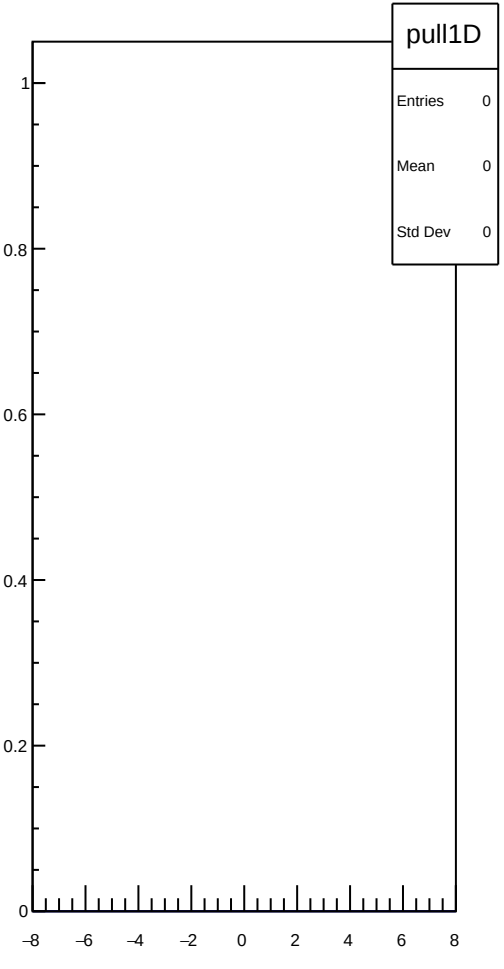
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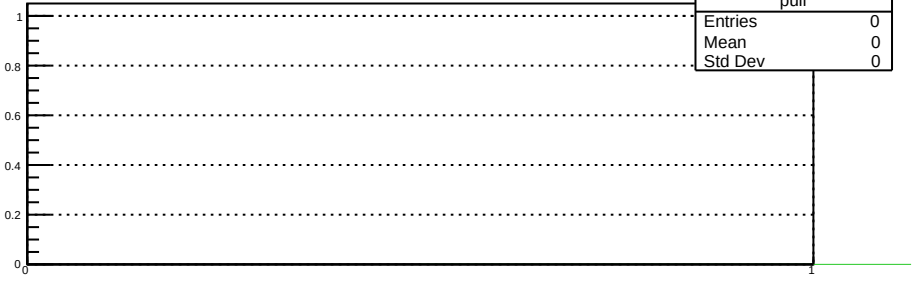
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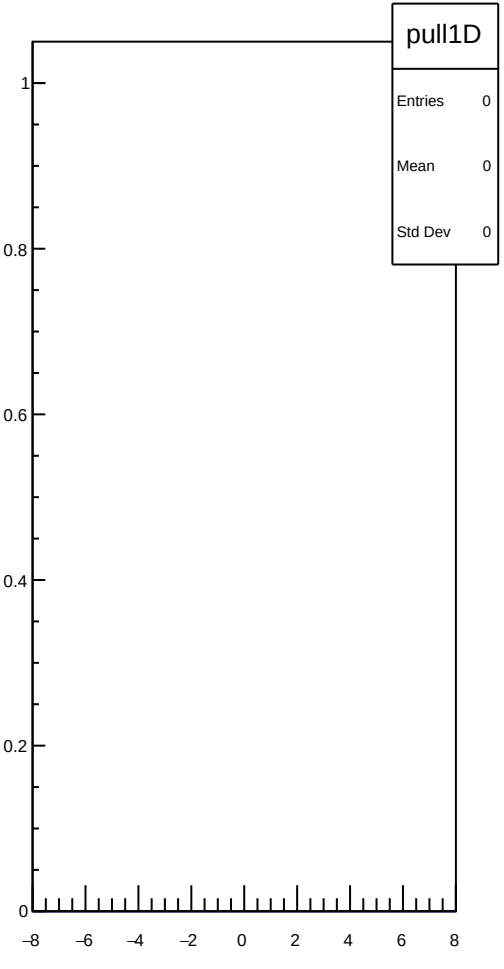
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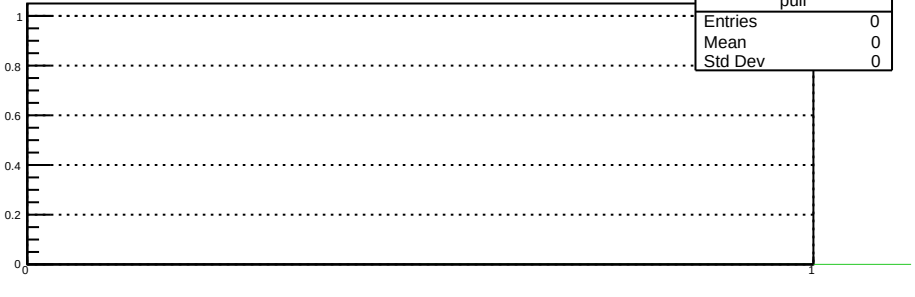
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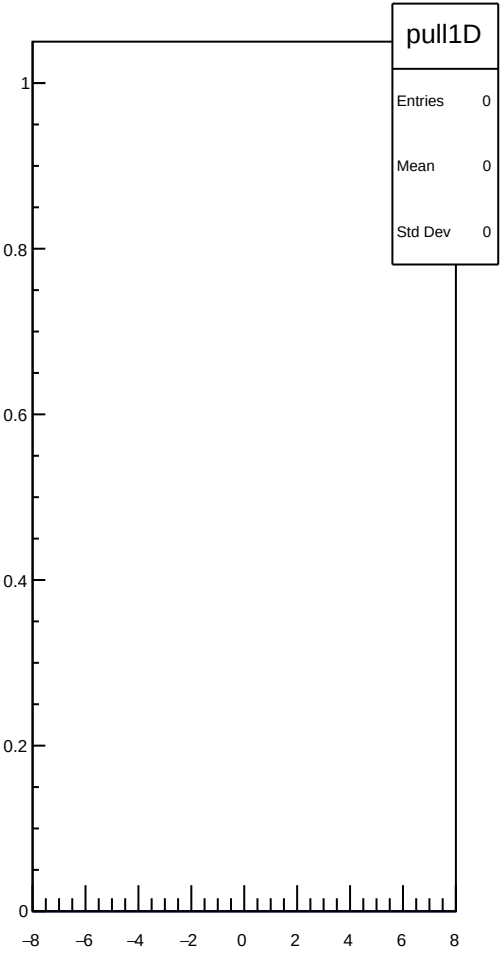
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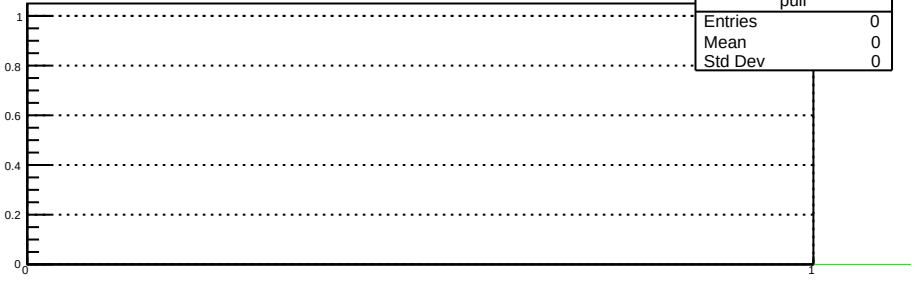
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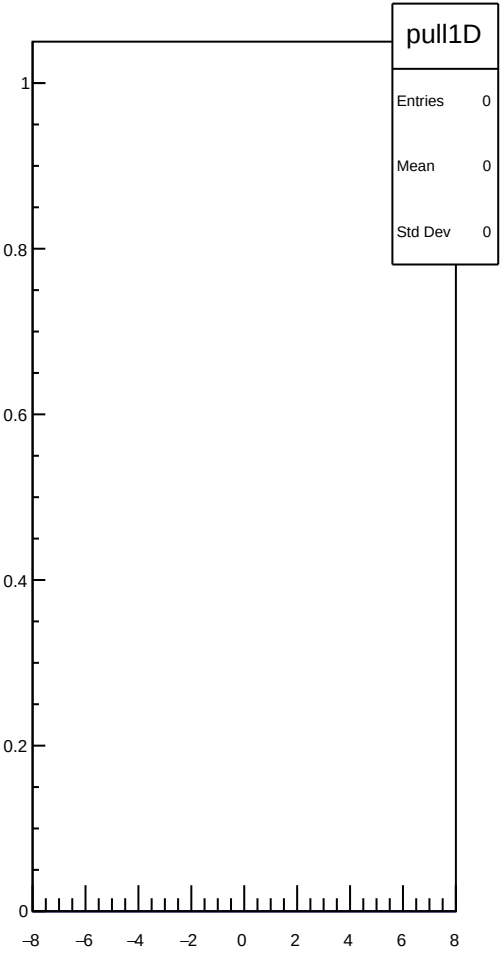
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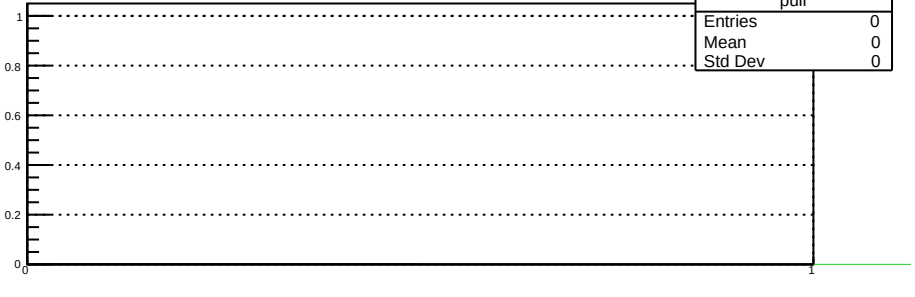
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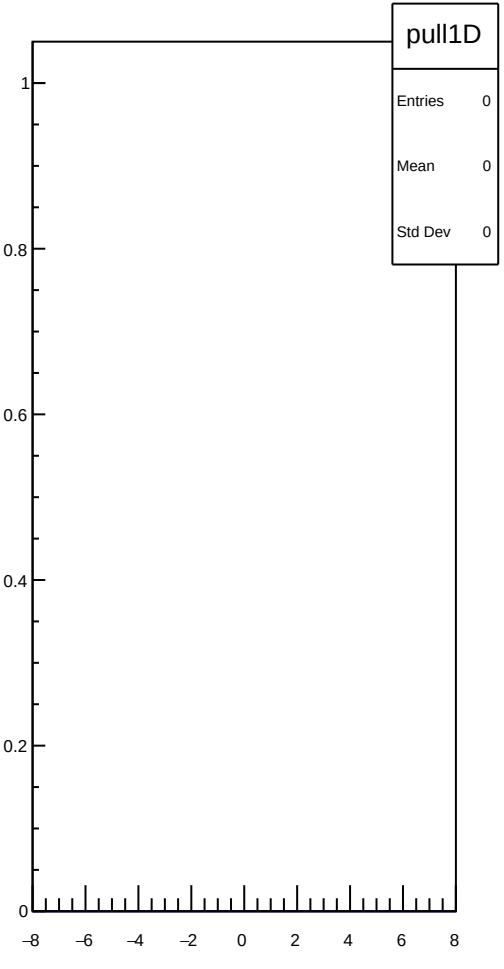
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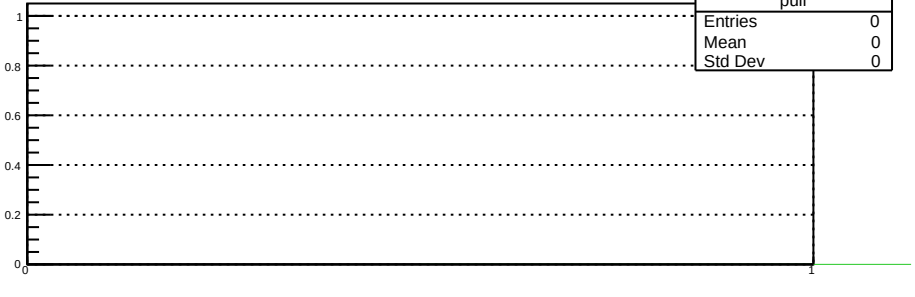
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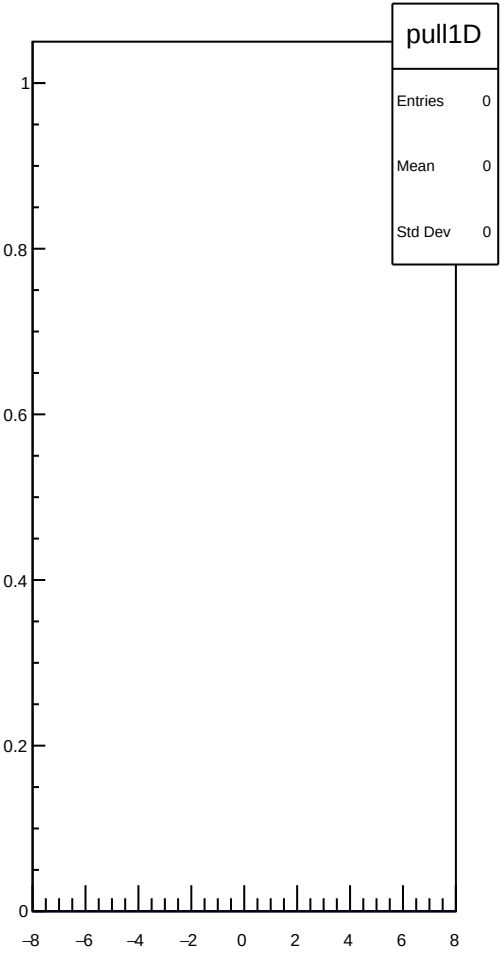
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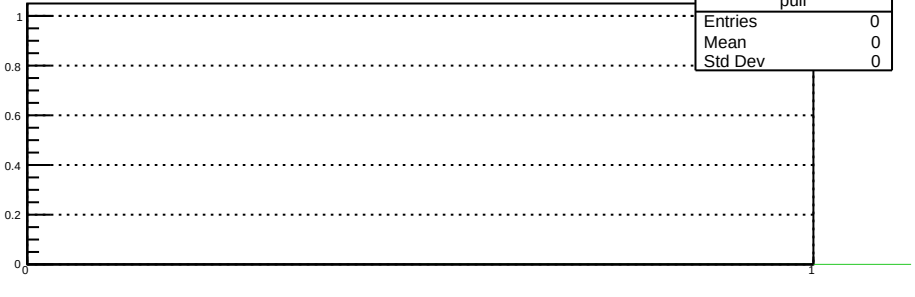
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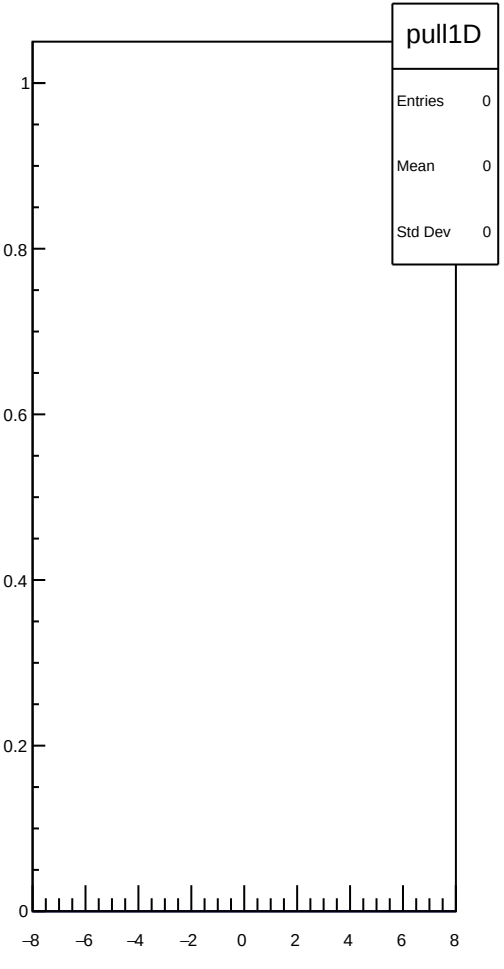
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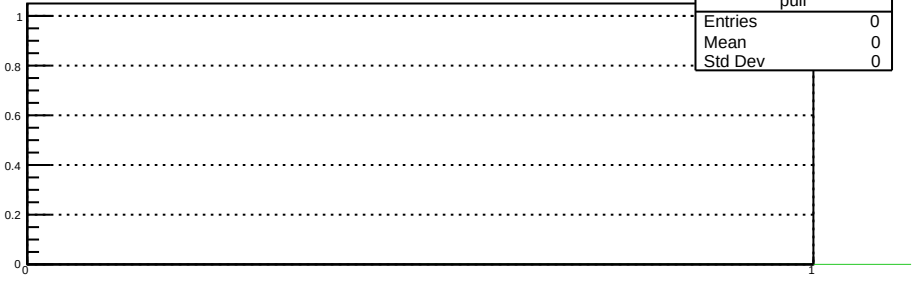
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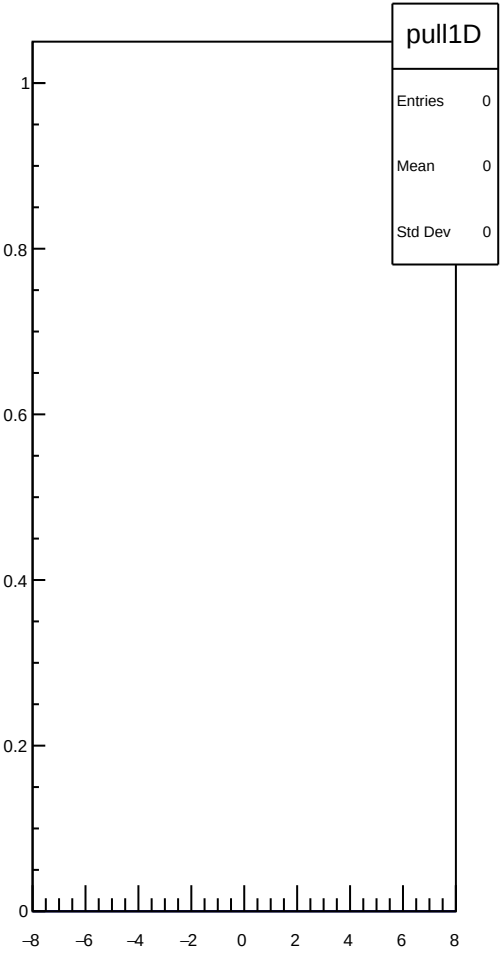
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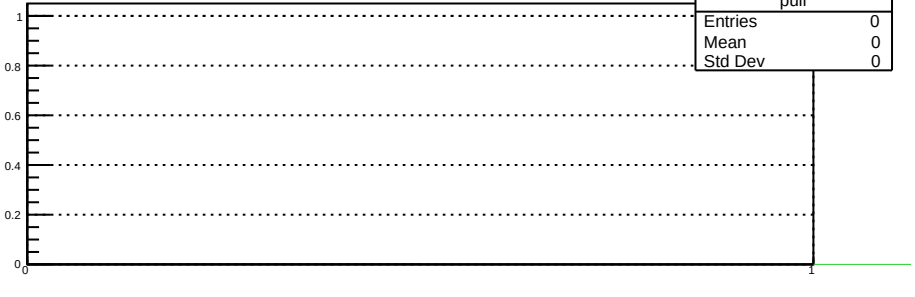
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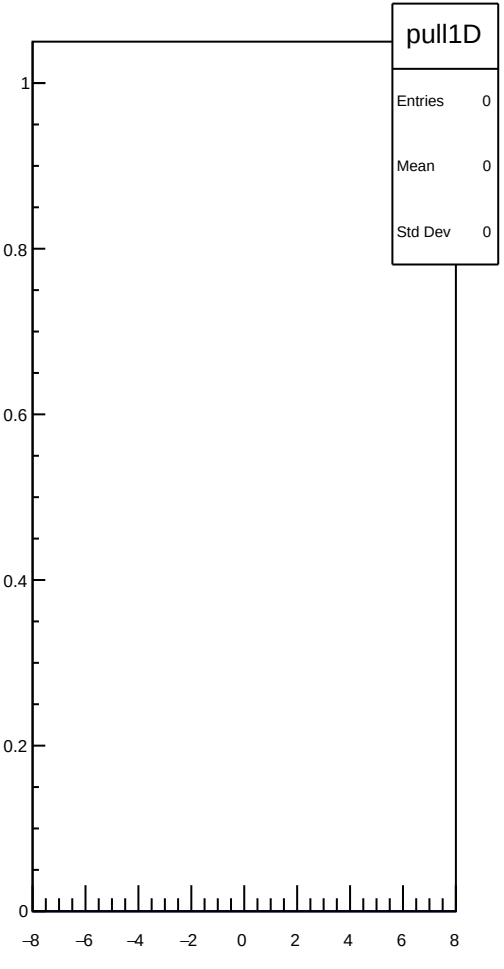
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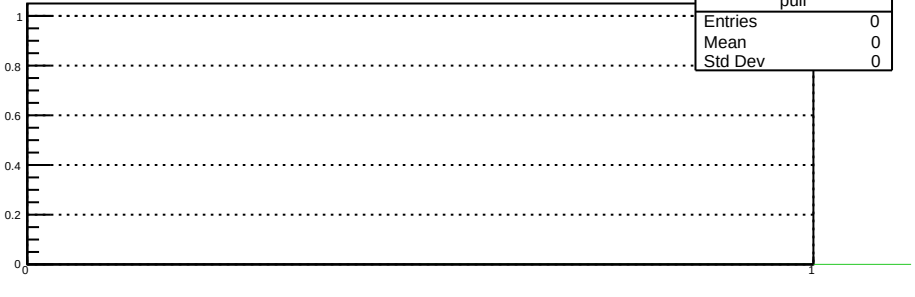
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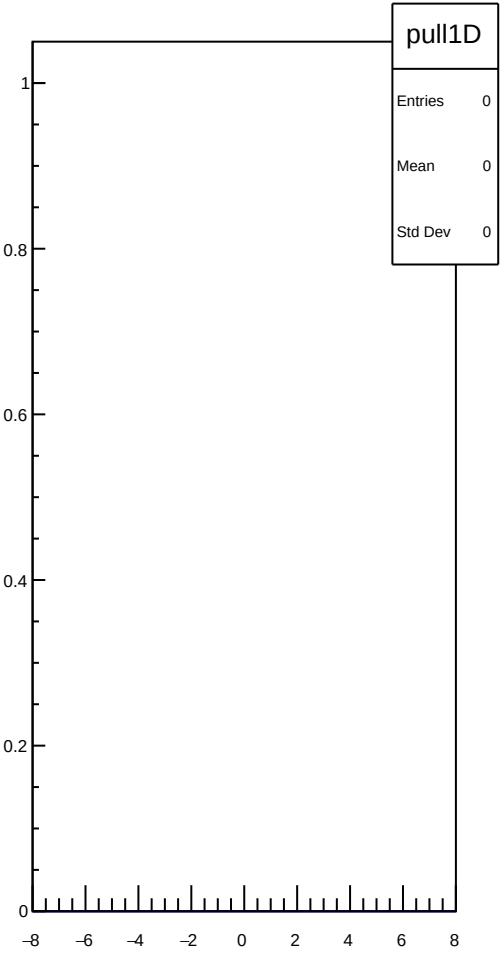
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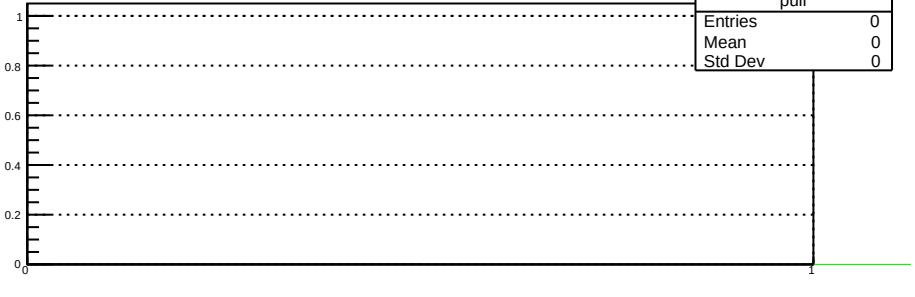
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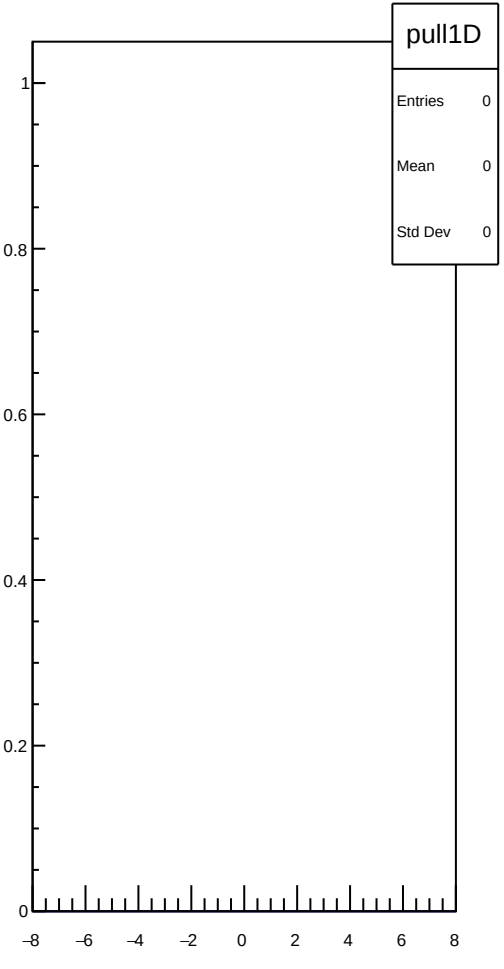
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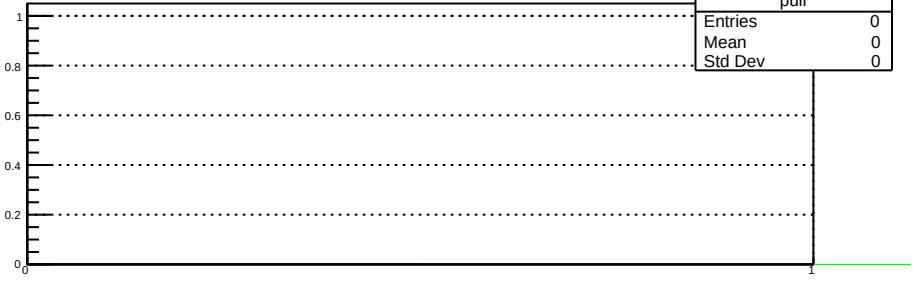
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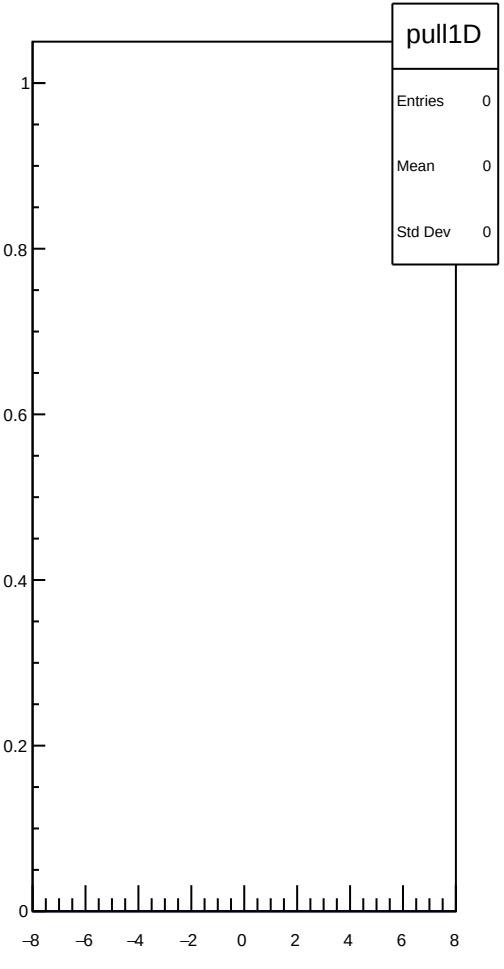
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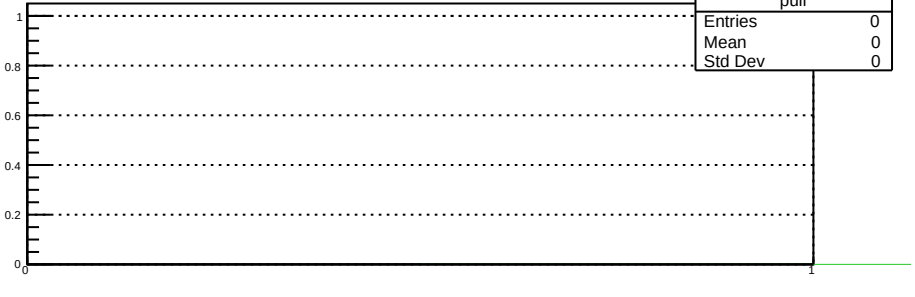
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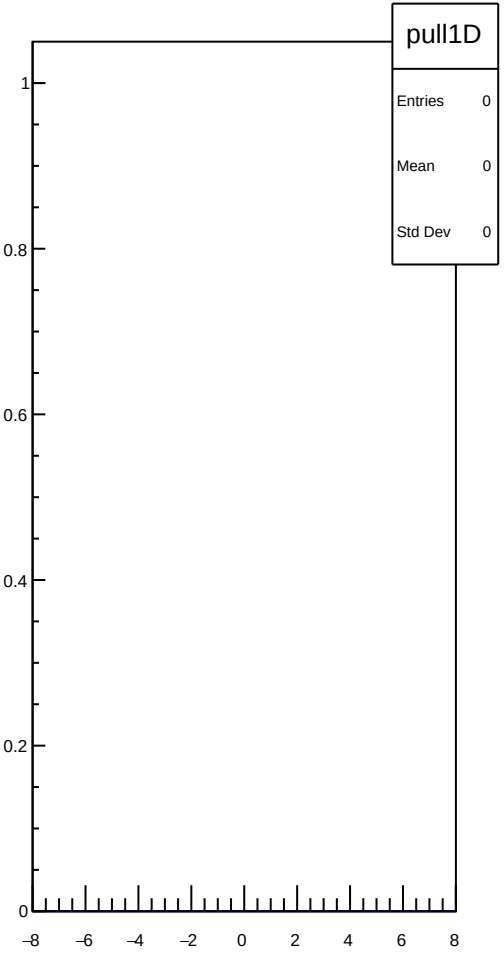
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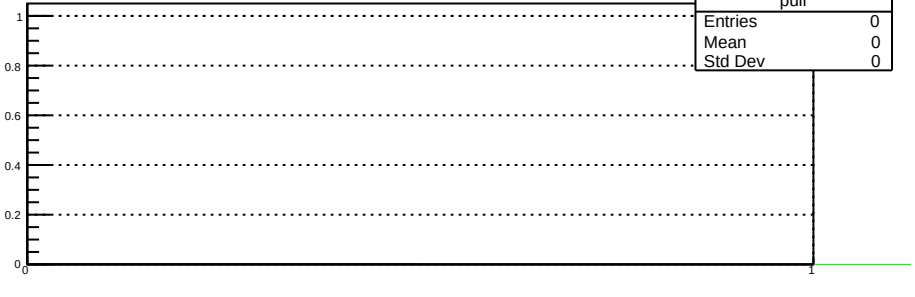
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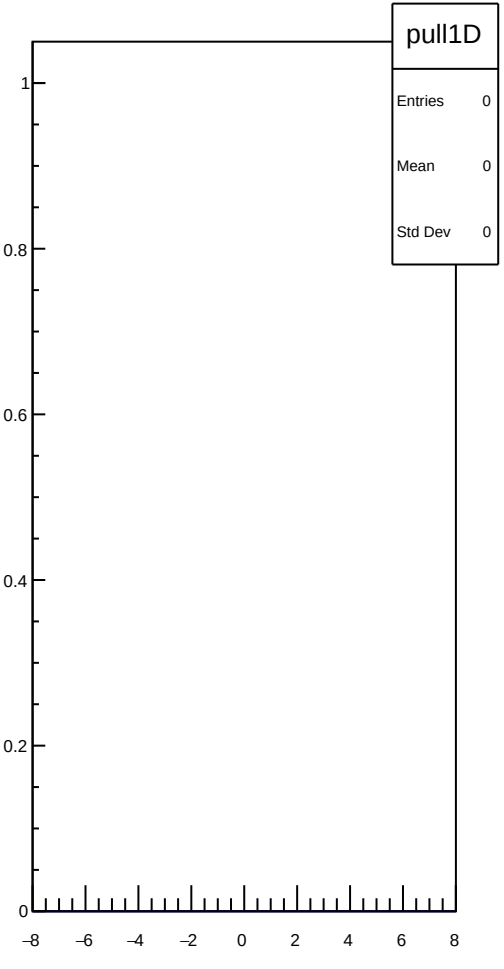
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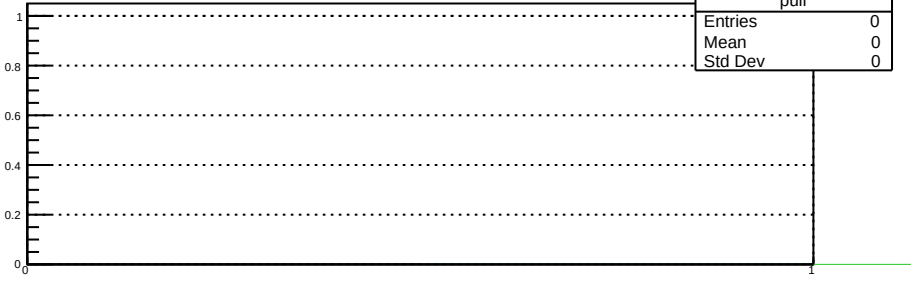
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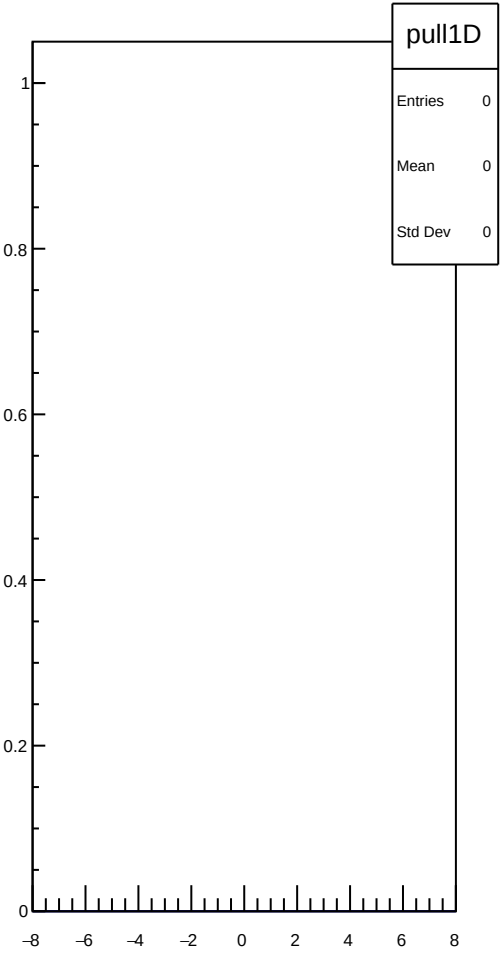
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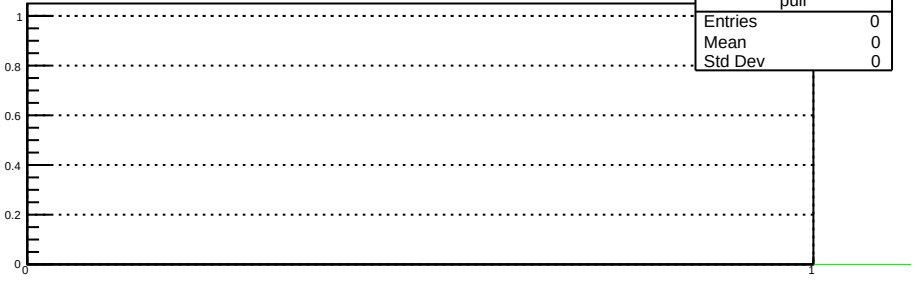
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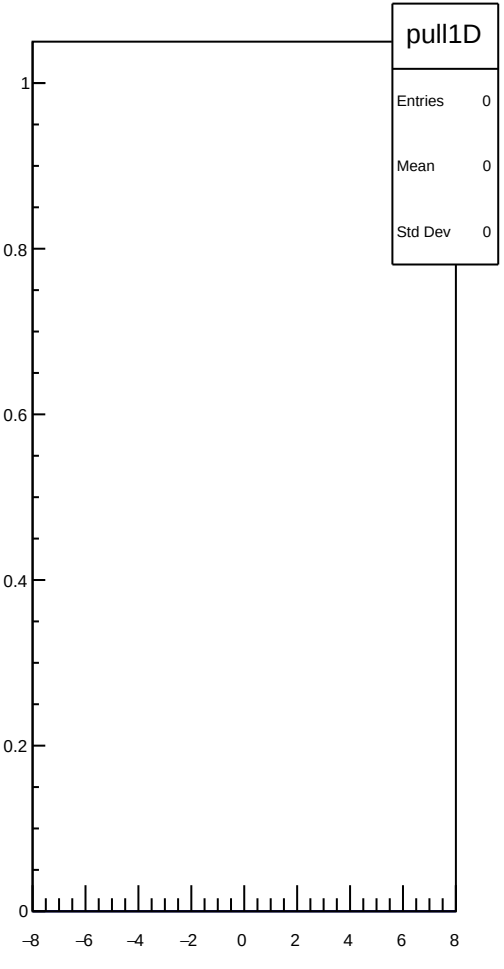
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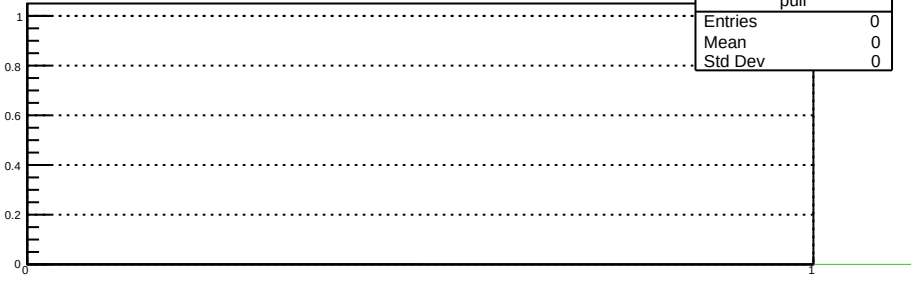
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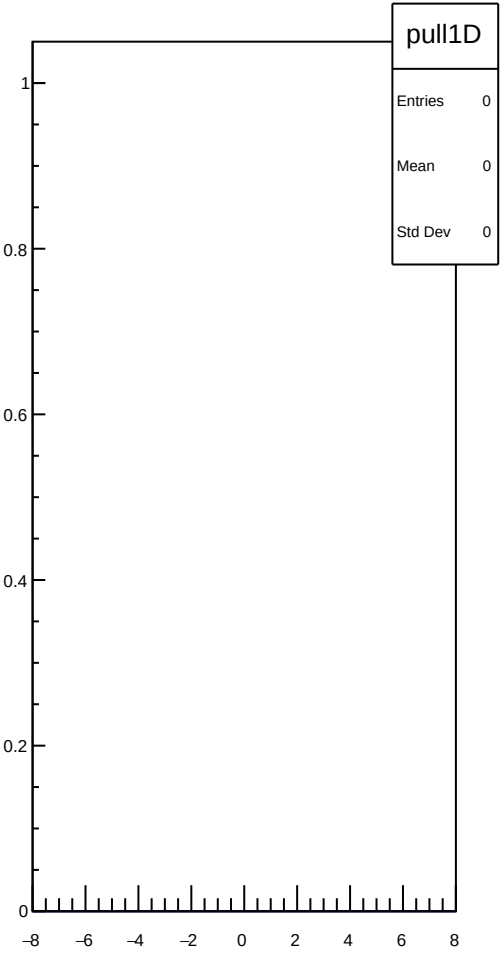
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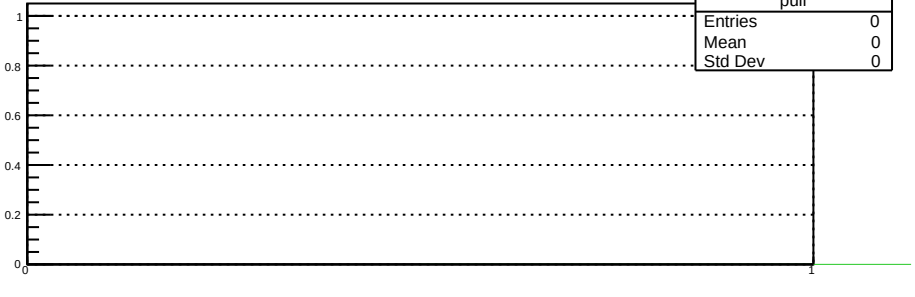
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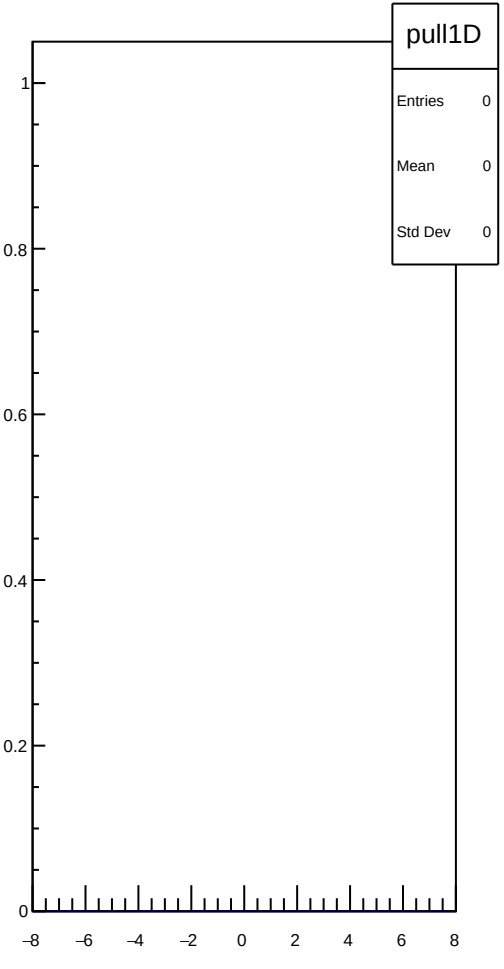
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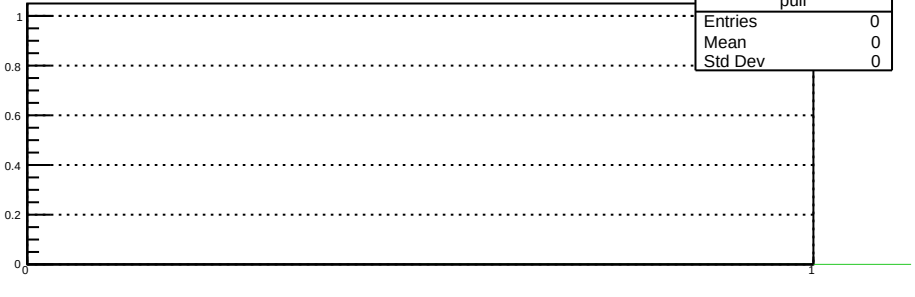
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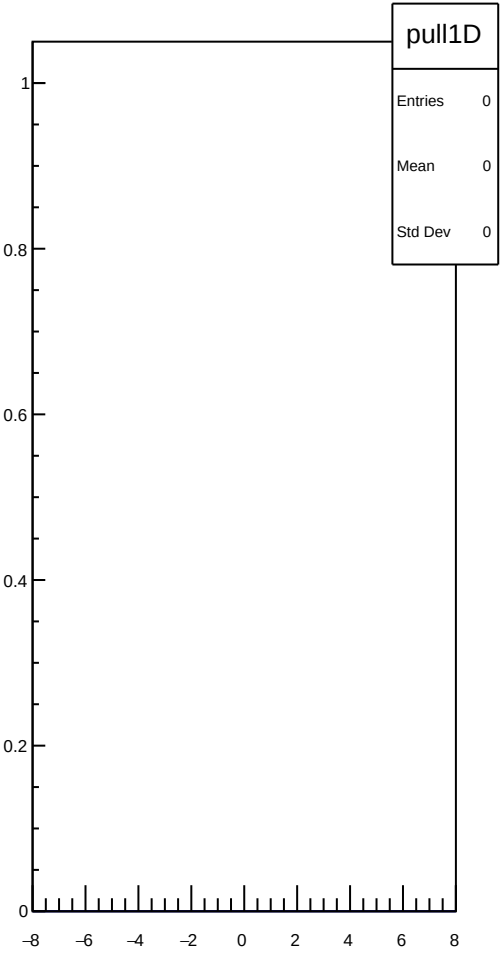
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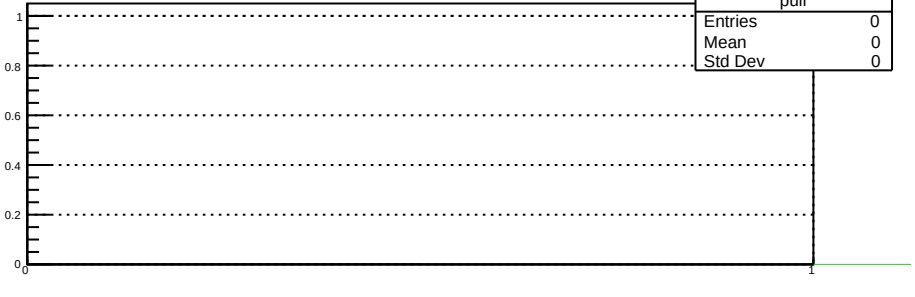
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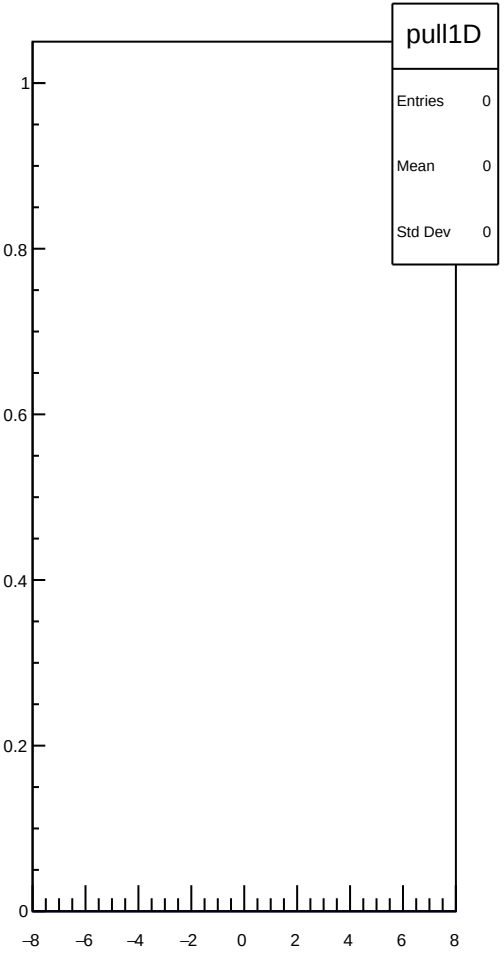
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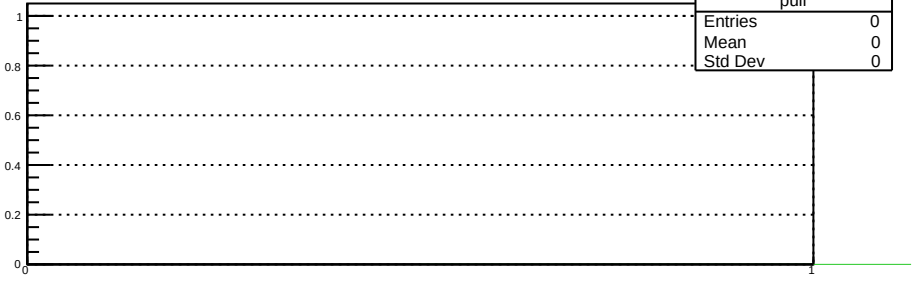
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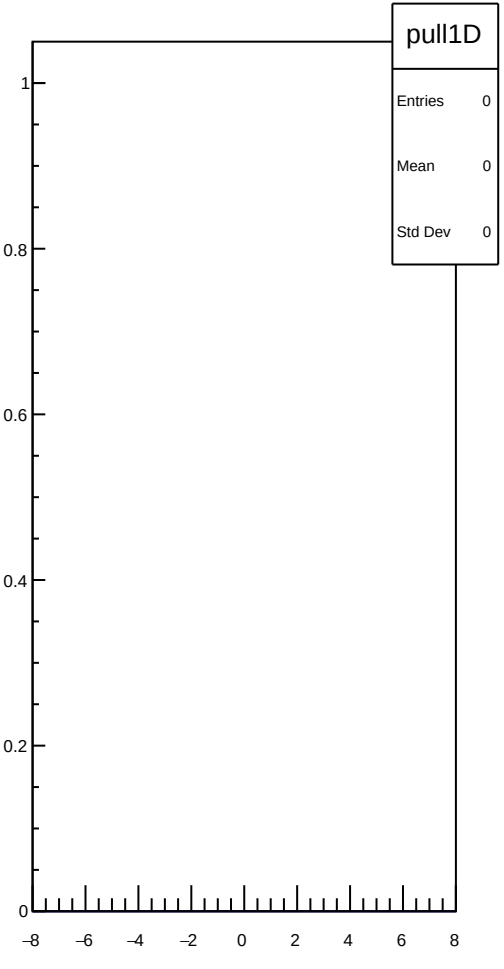
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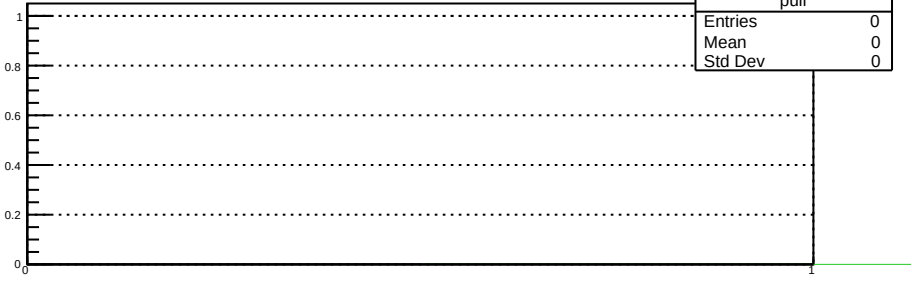
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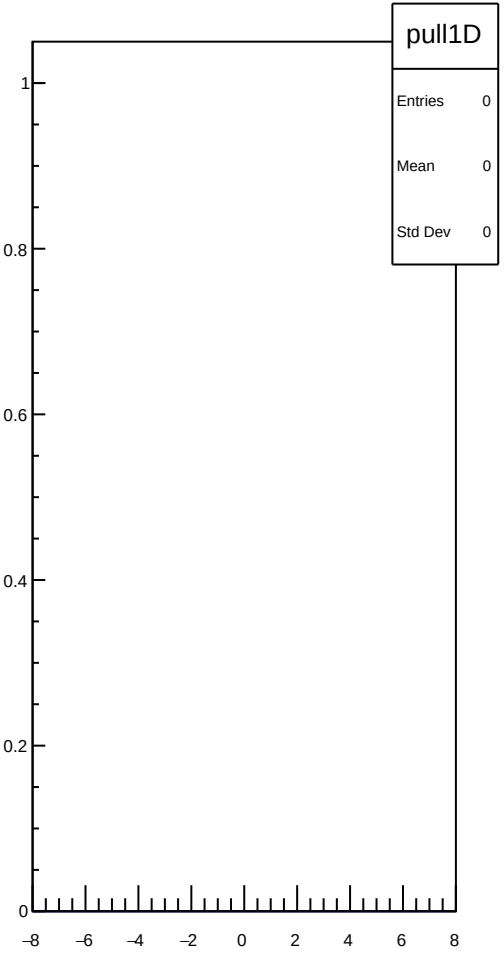
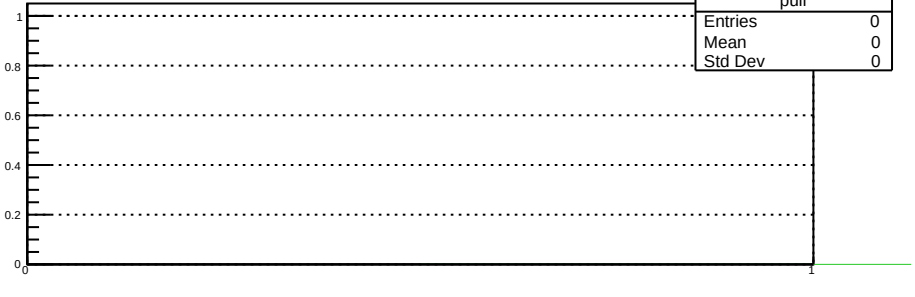
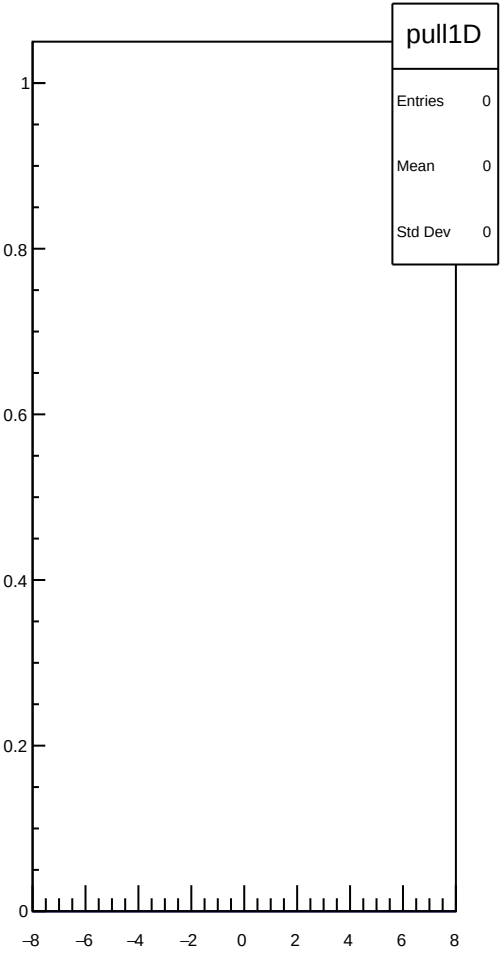
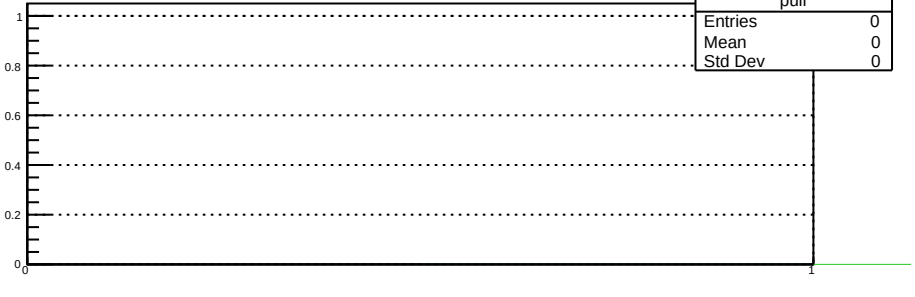
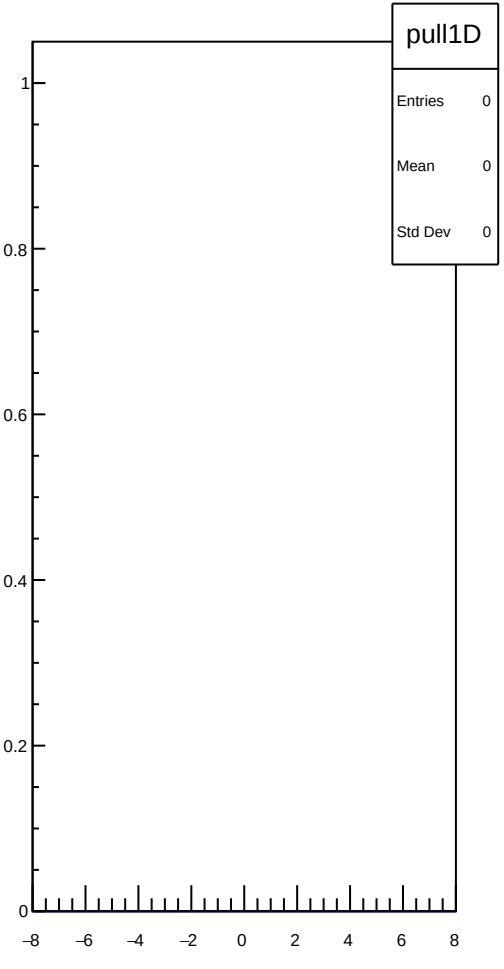
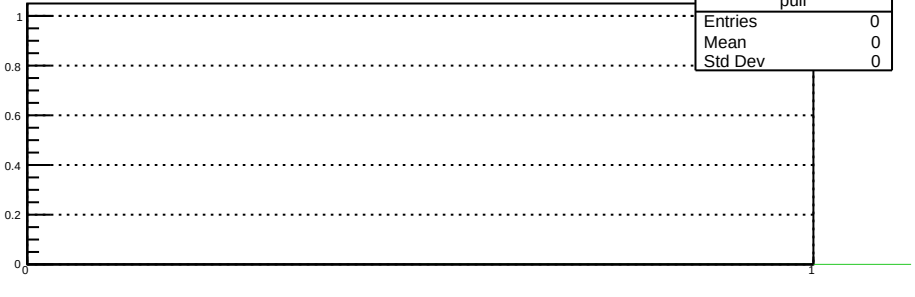

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

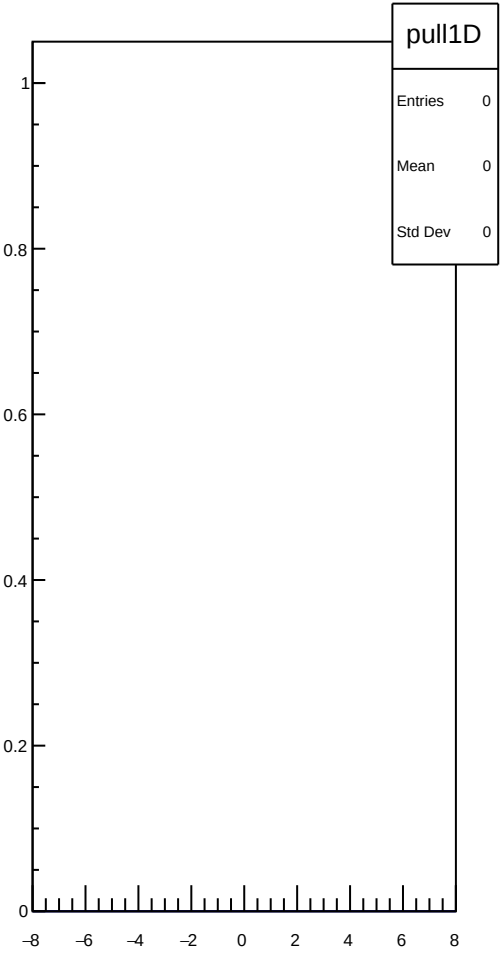

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

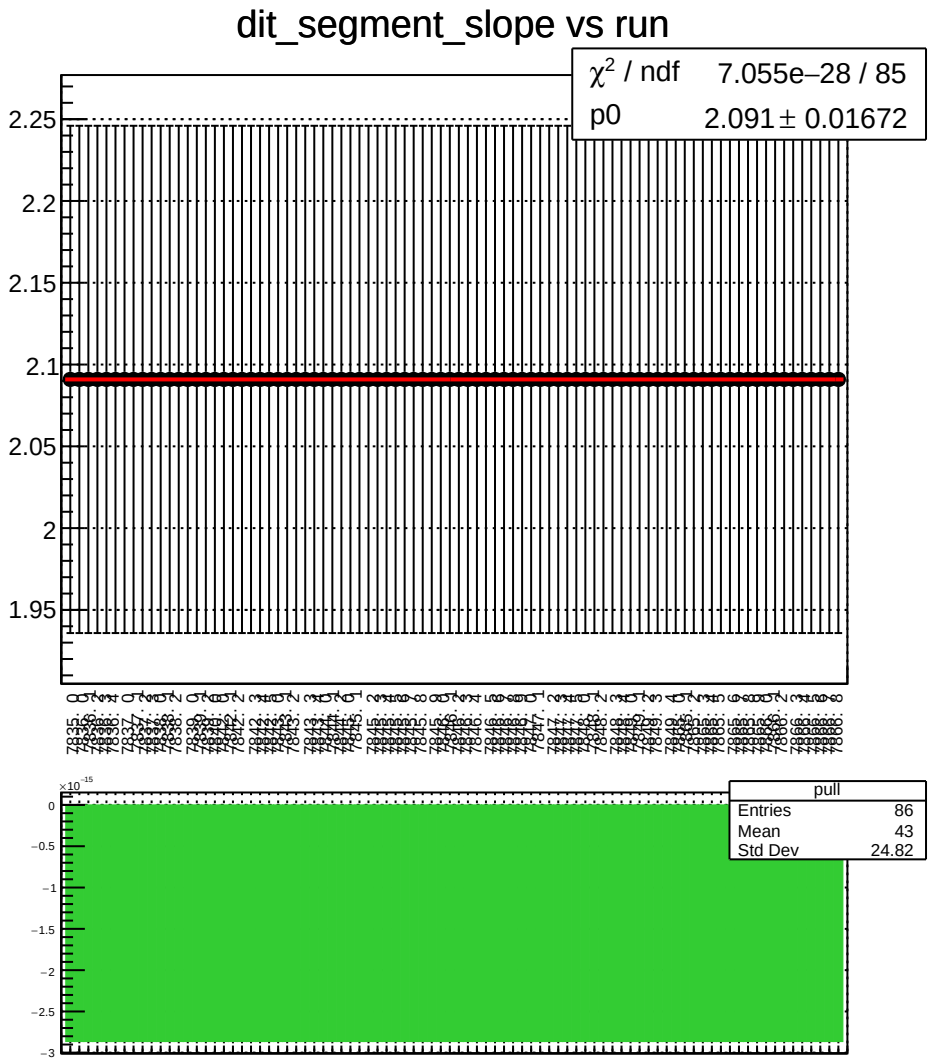

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

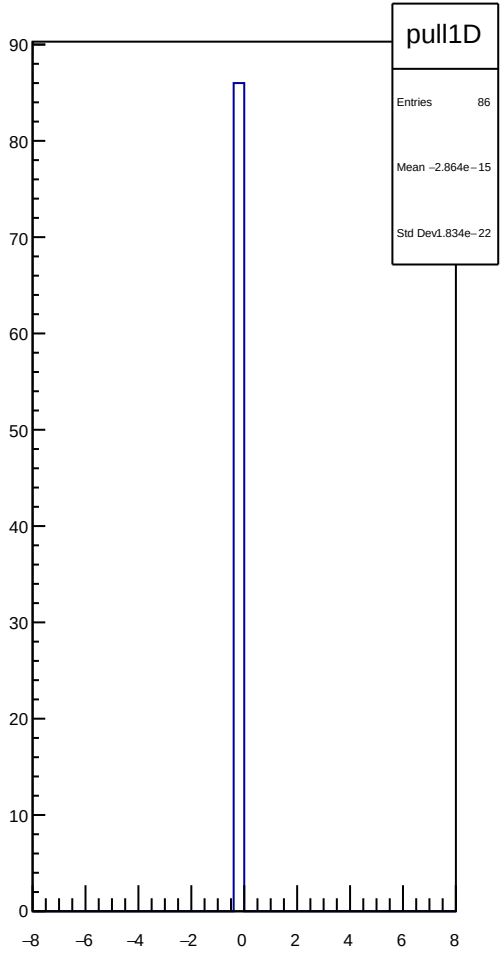

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

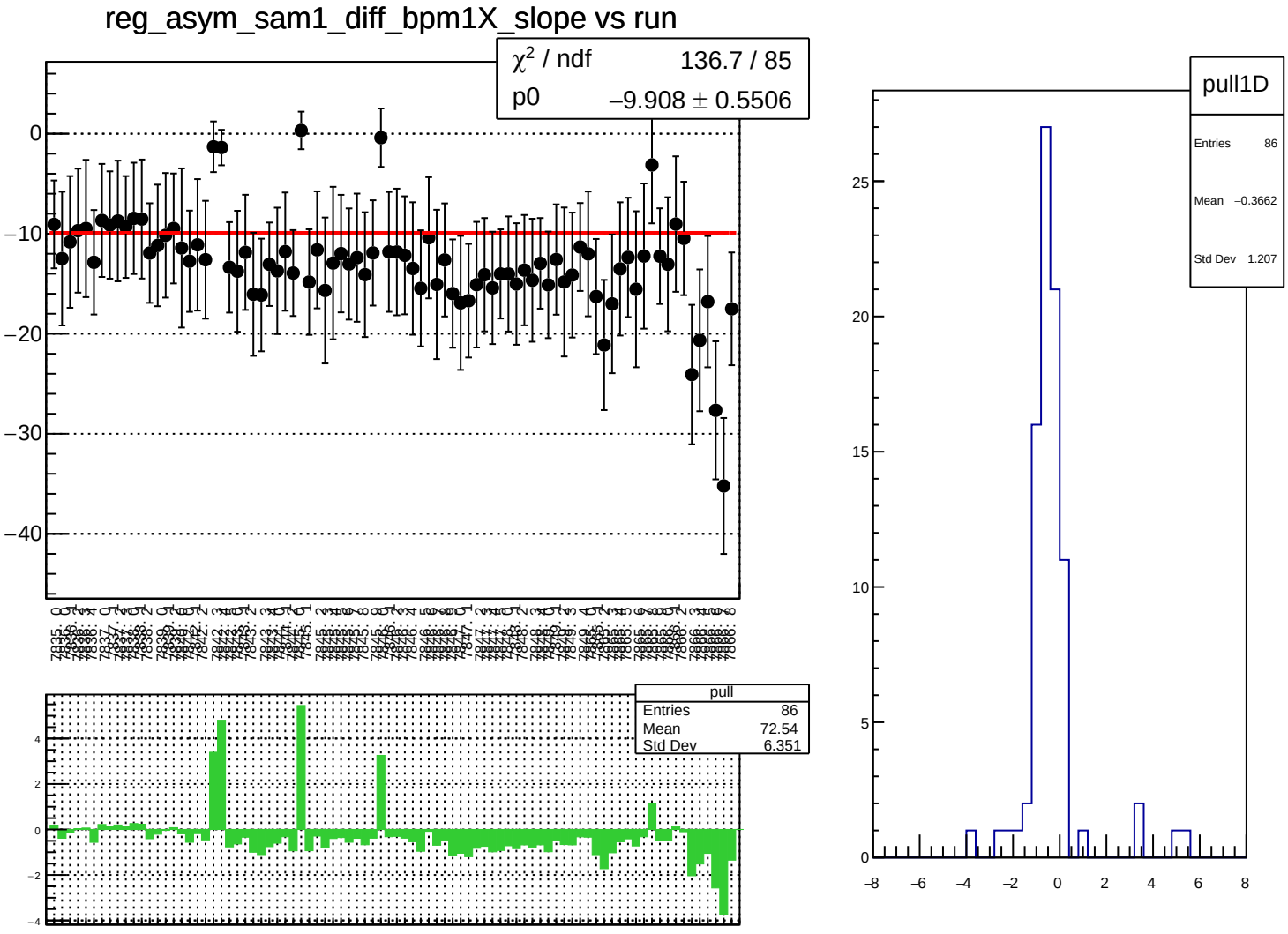

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

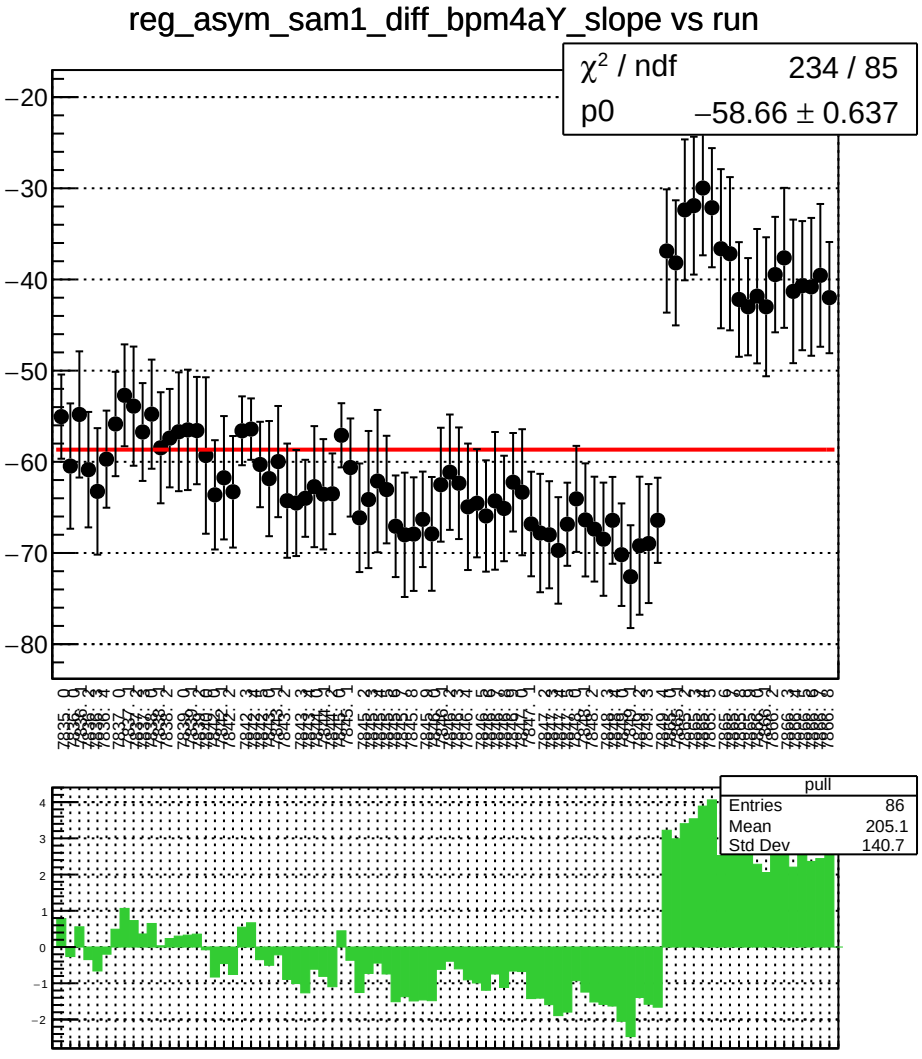

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

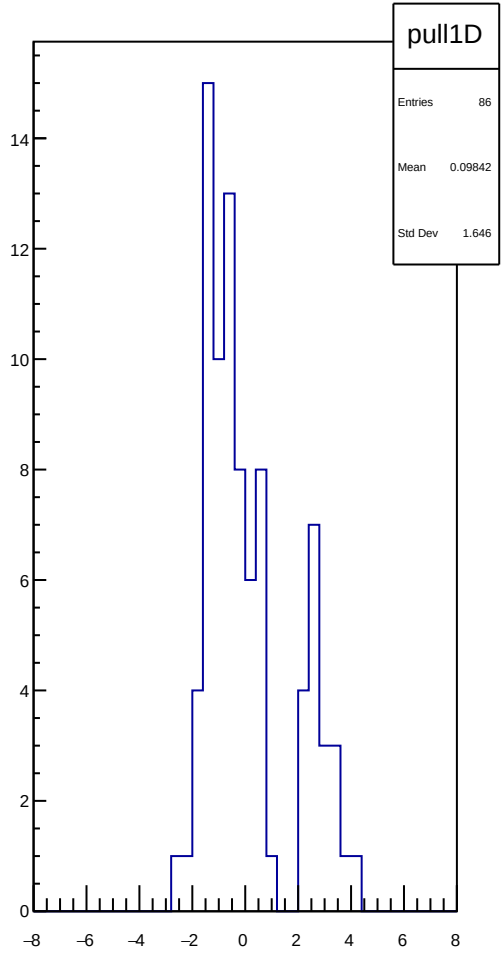

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

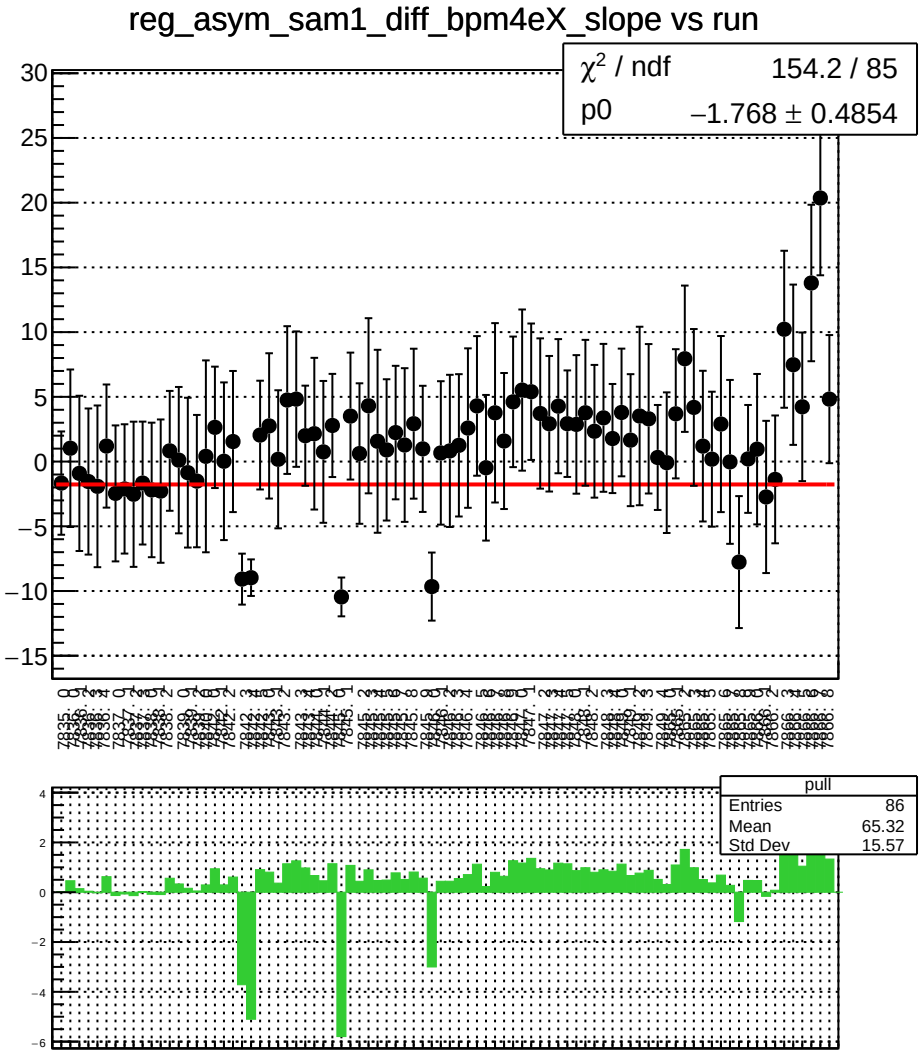

dit_segment_slope vs run
χ^2 / ndf 7.055e−28 / 85
p0 2.091 ± 0.01672
2.25
2.2
2.15
2.1
2.05
2
1.95
pull
Entries 86
Mean 43
Std Dev 24.82
×10^−15
0
−0.5
−1
−1.5
−2
−2.5
−3

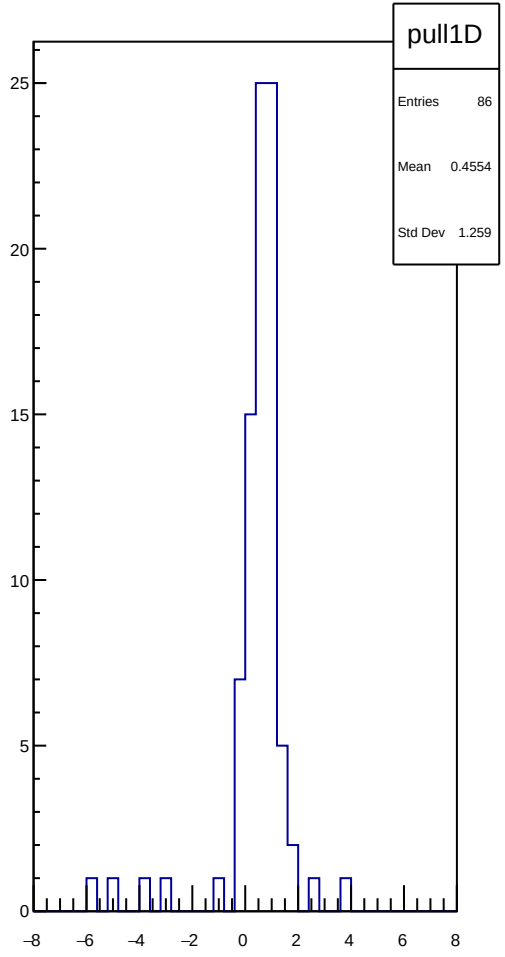

pull1D
Entries 86
Mean −2.864e−15
Std Dev1.834e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

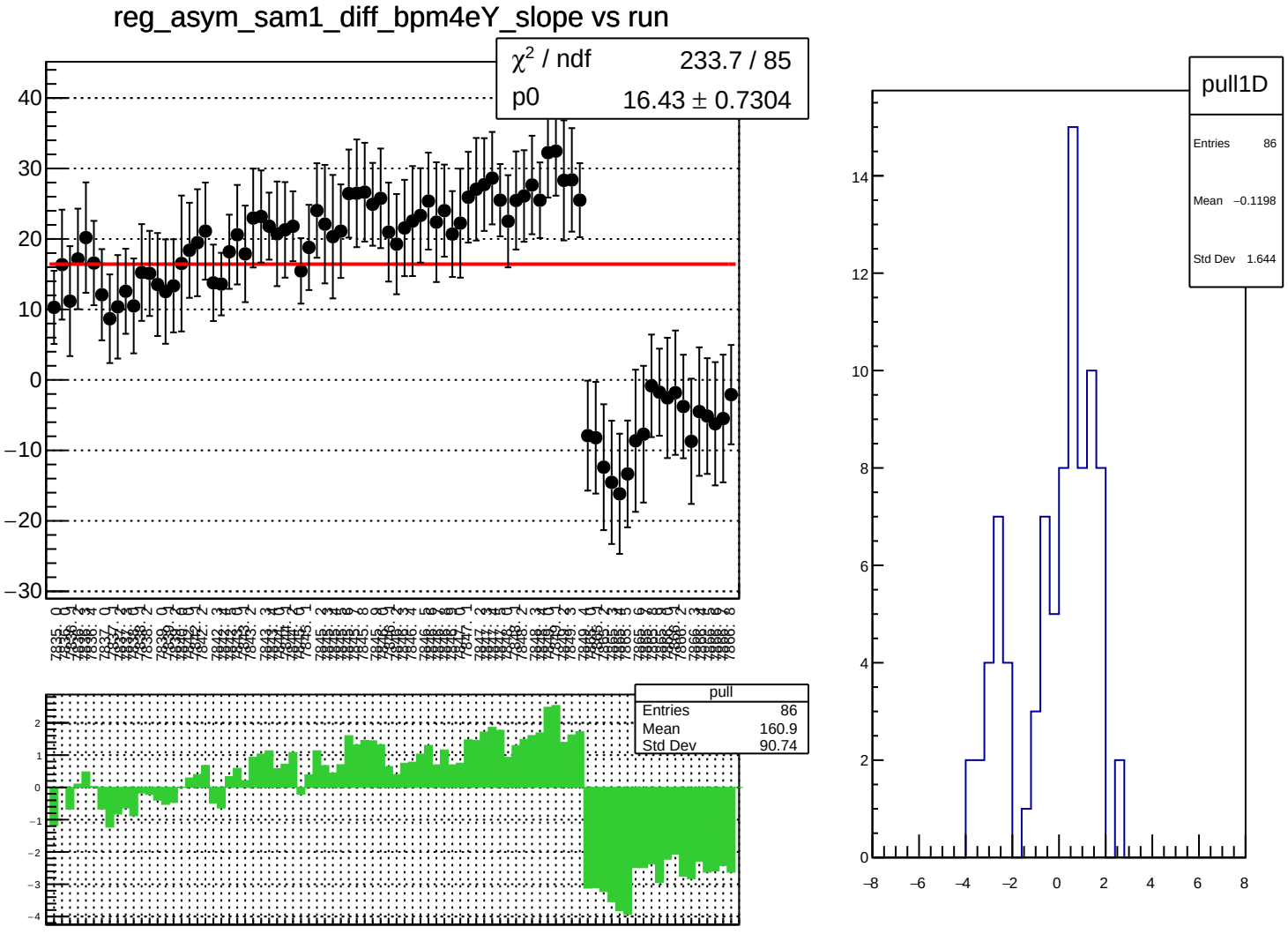

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 136.7 / 85
p0 −9.908 ± 0.5506
pull
Entries 86
Mean 72.54
Std Dev 6.351
pull1D
Entries 86
Mean −0.3662
Std Dev 1.207

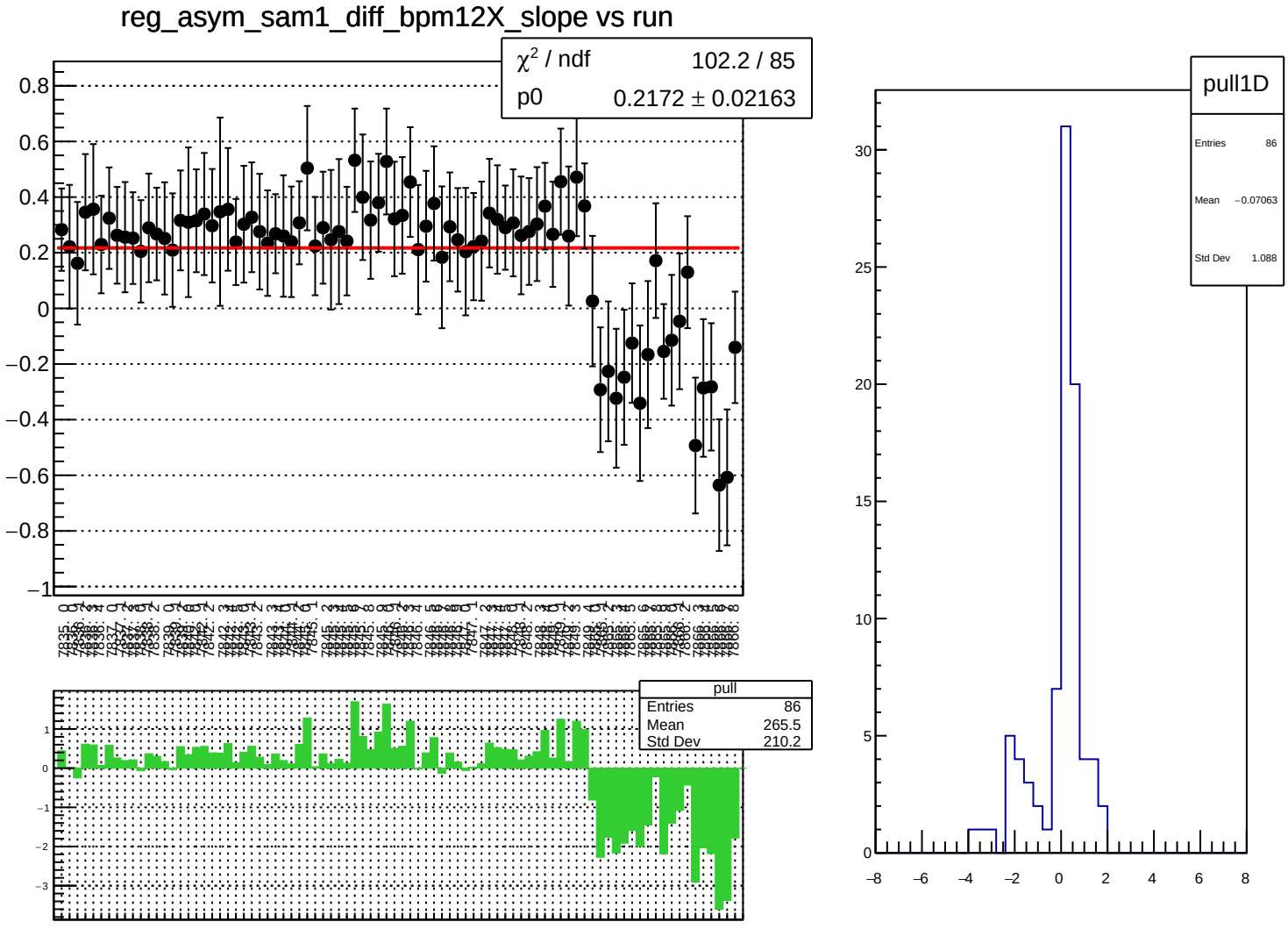

reg_asym_sam1_diff_bpm4aY_slope vs run
χ^2 / ndf 234 / 85
p0 −58.66 ± 0.637
pull
Entries 86
Mean 205.1
Std Dev 140.7

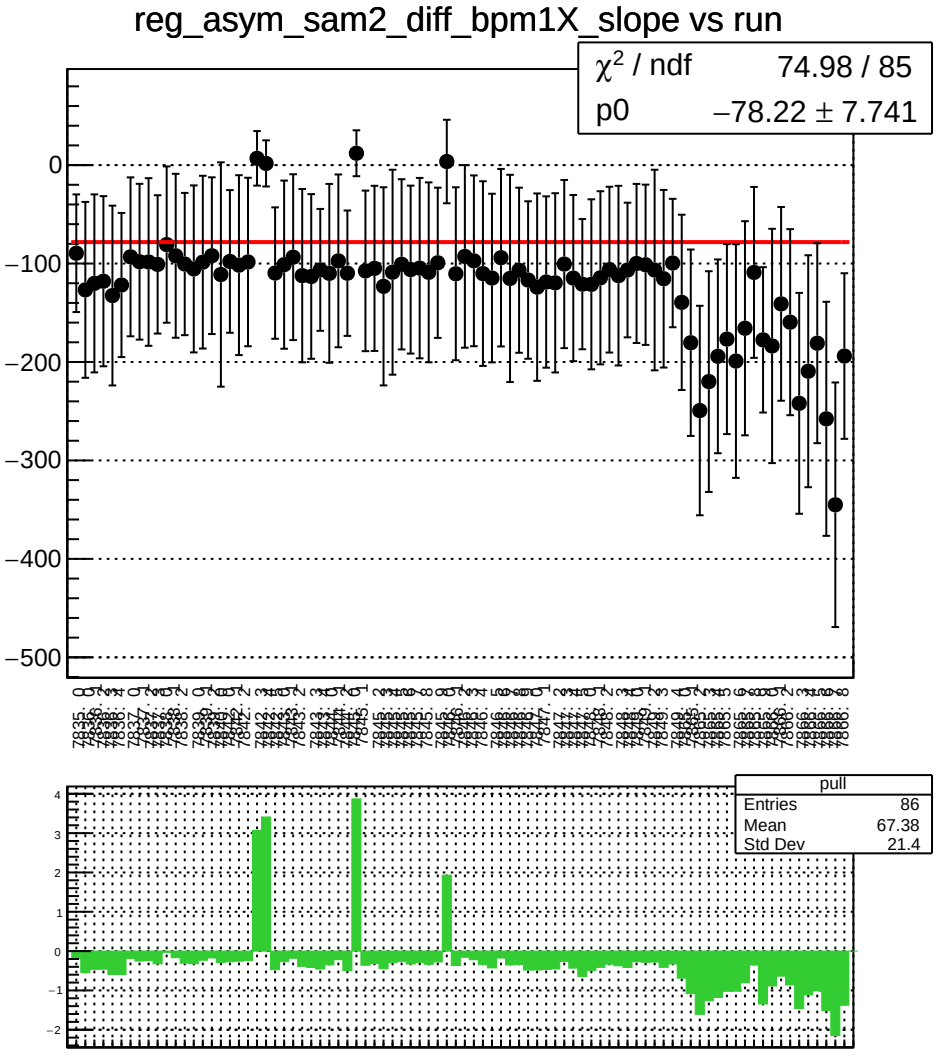

pull1D
Entries 86
Mean 0.09842
Std Dev 1.646

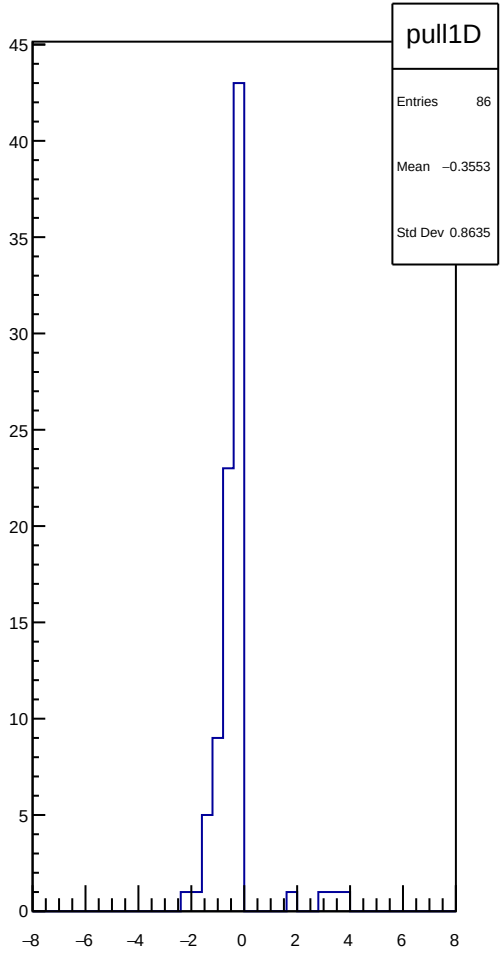

reg_asym_sam1_diff_bpm4eX_slope vs run
χ^2 / ndf 154.2 / 85
p0 −1.768 ± 0.4854
pull
Entries 86
Mean 65.32
Std Dev 15.57

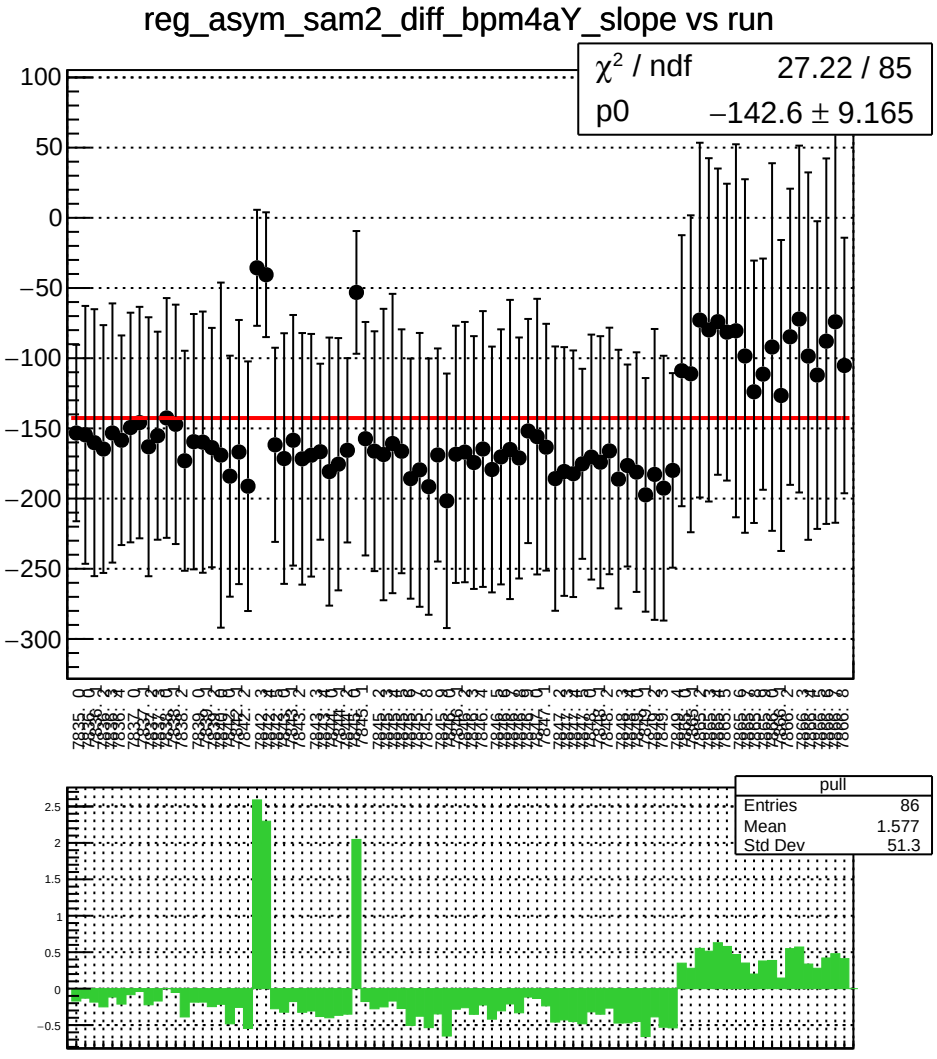

pull1D
Entries 86
Mean 0.4554
Std Dev 1.259

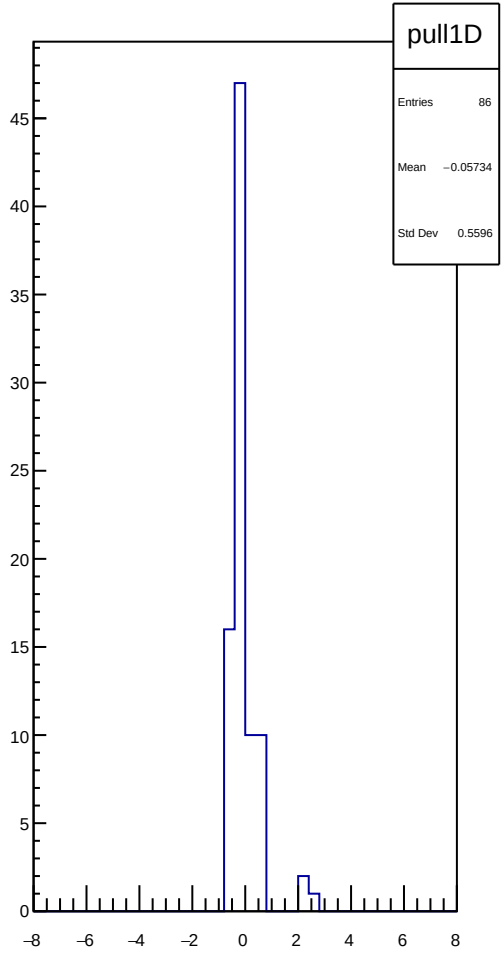

reg_asym_sam1_diff_bpm4eY_slope vs run
χ^2 / ndf 233.7 / 85
p0 16.43 ± 0.7304
pull
Entries 86
Mean 160.9
Std Dev 90.74
pull1D
Entries 86
Mean −0.1198
Std Dev 1.644

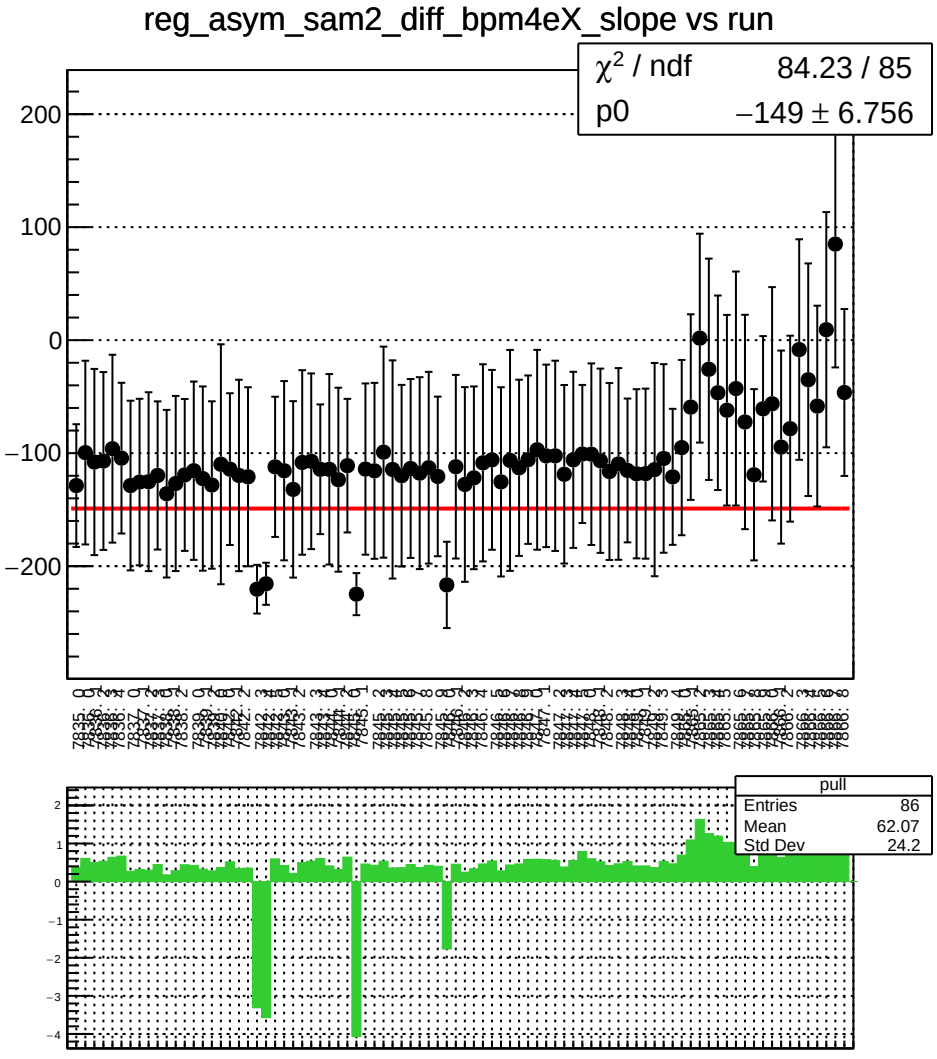

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 102.2 / 85
p0 0.2172 ± 0.02163
pull
Entries 86
Mean 265.5
Std Dev 210.2
pull1D
Entries 86
Mean −0.07063
Std Dev 1.088

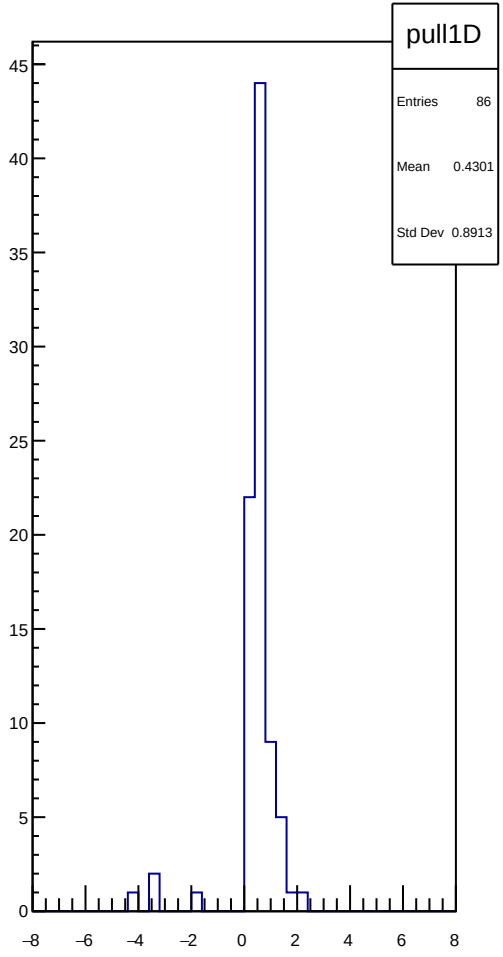

reg_asym_sam2_diff_bpm1X_slope vs run
χ^2 / ndf 74.98 / 85
p0 −78.22 ± 7.741
pull
Entries 86
Mean 67.38
Std Dev 21.4

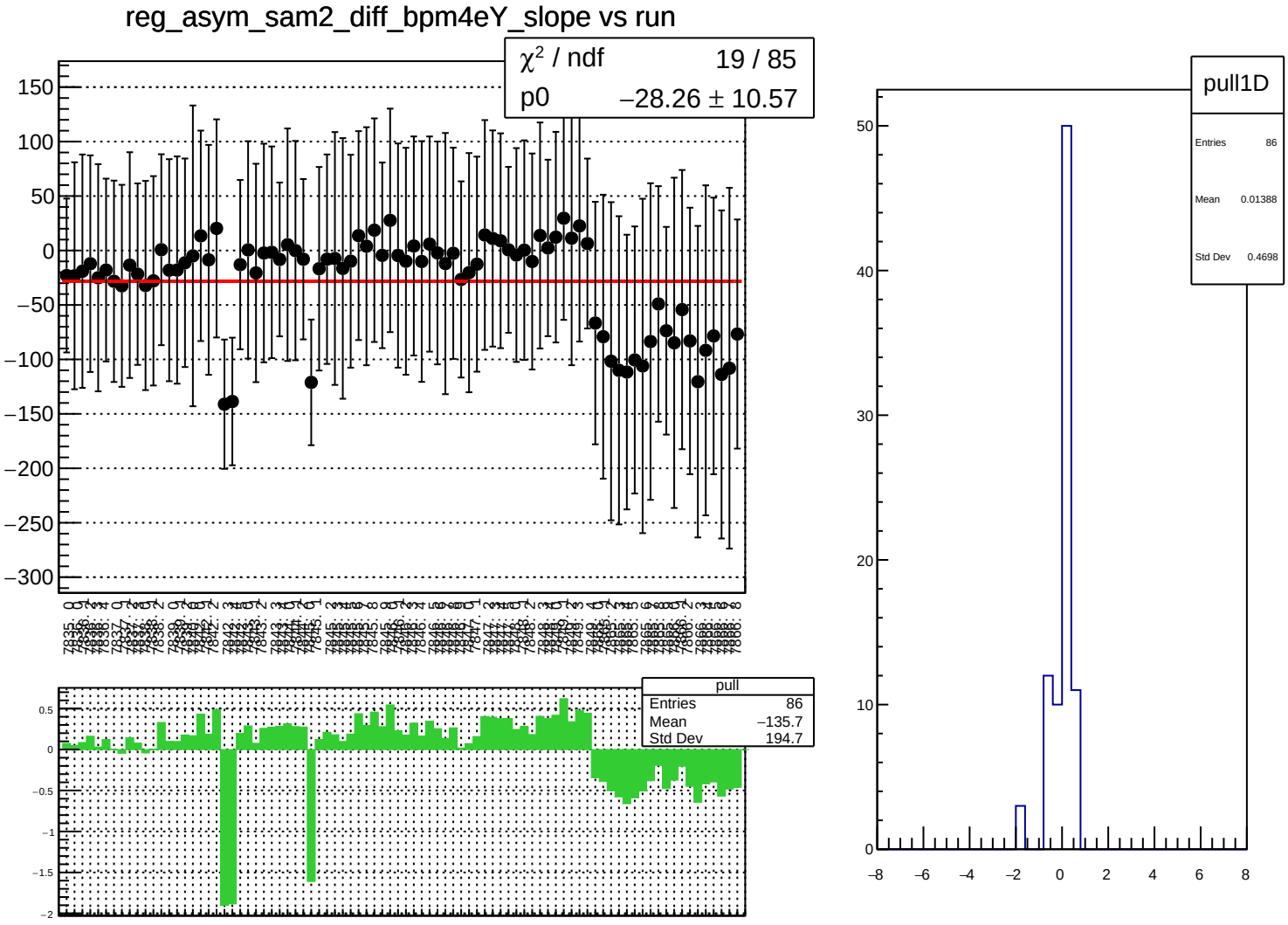

pull1D
Entries 86
Mean −0.3553
Std Dev 0.8635

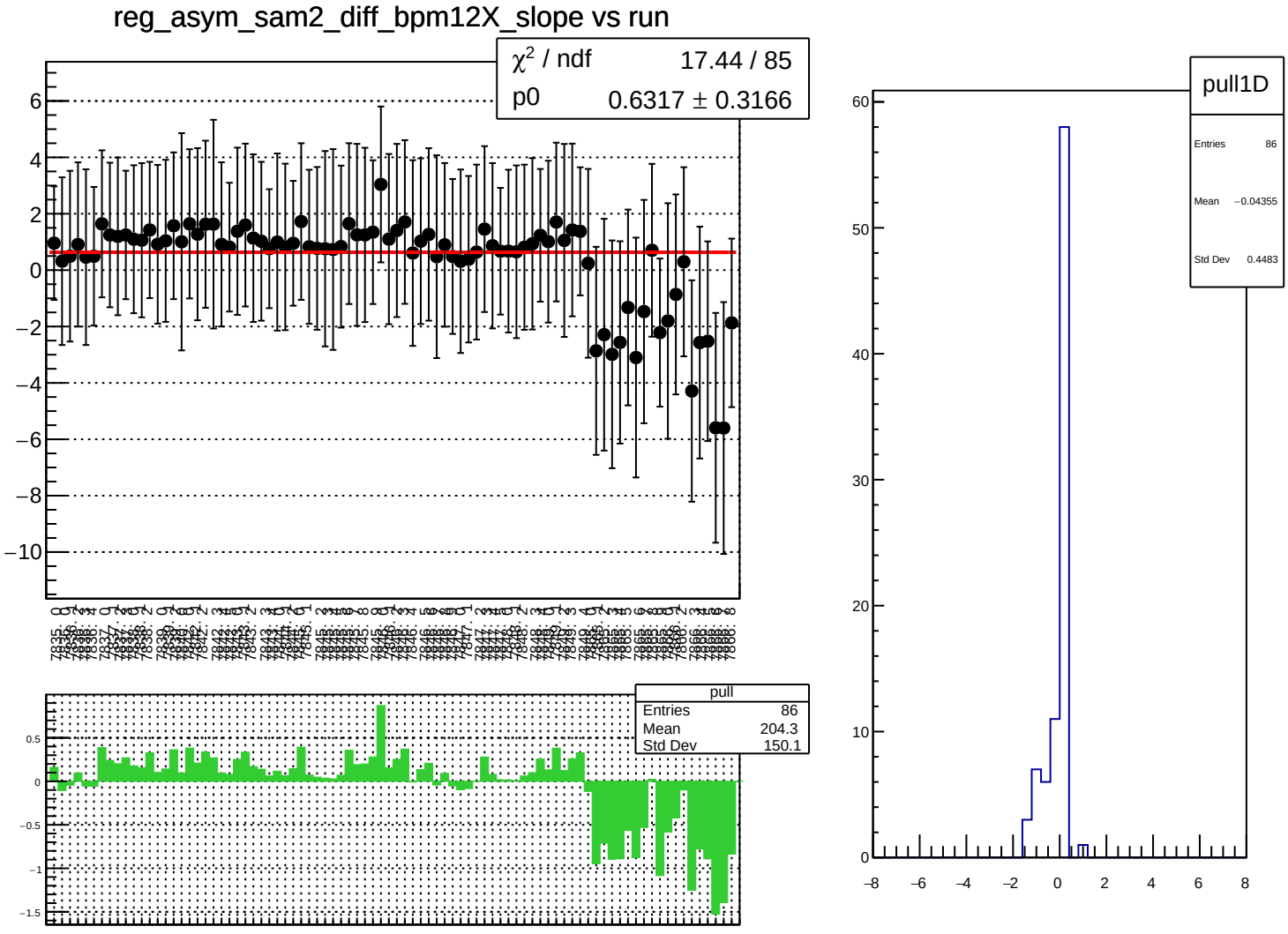

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 27.22 / 85
p0 −142.6 ± 9.165
pull
Entries 86
Mean 1.577
Std Dev 51.3

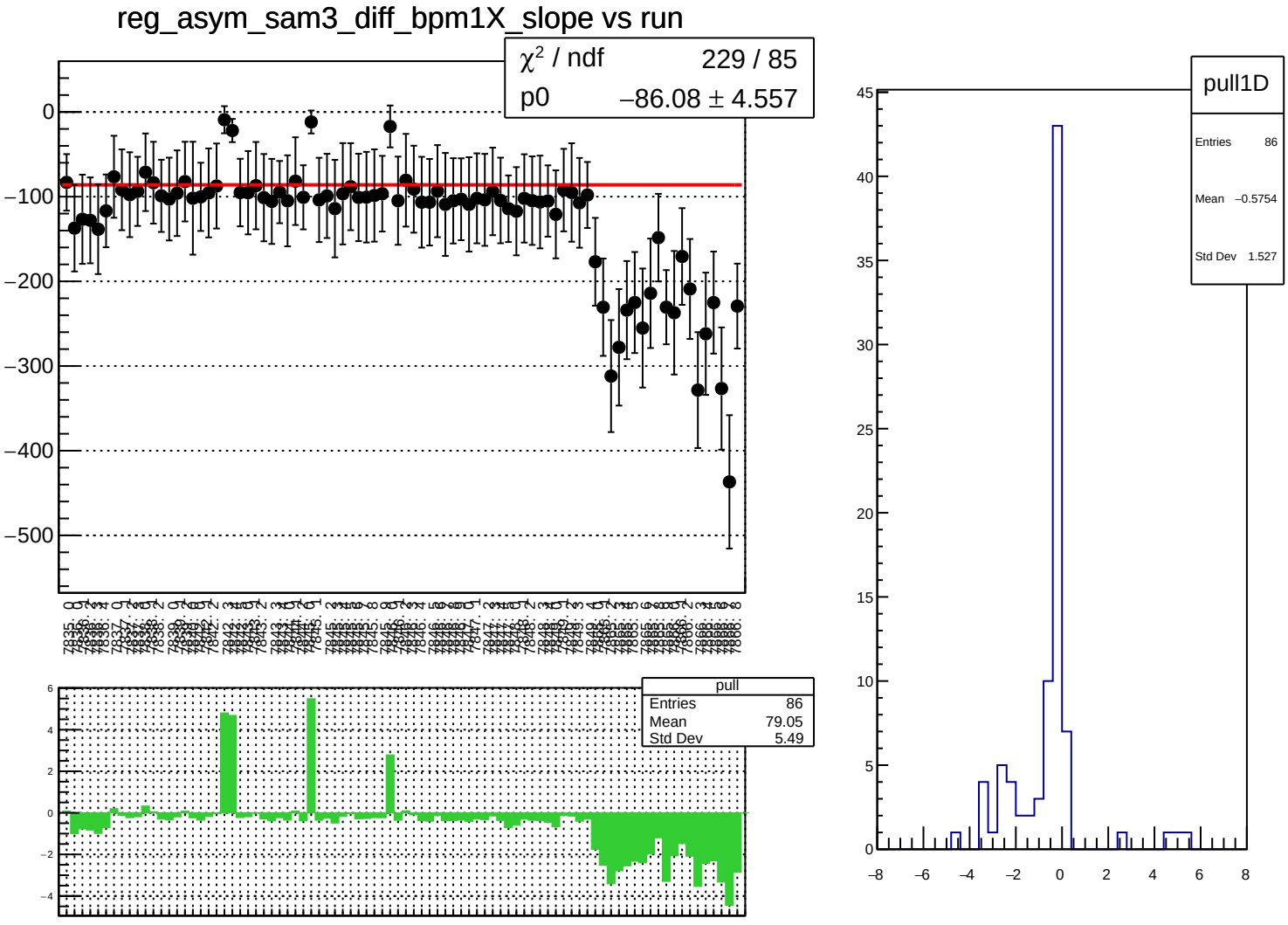

pull1D
Entries 86
Mean −0.05734
Std Dev 0.5596

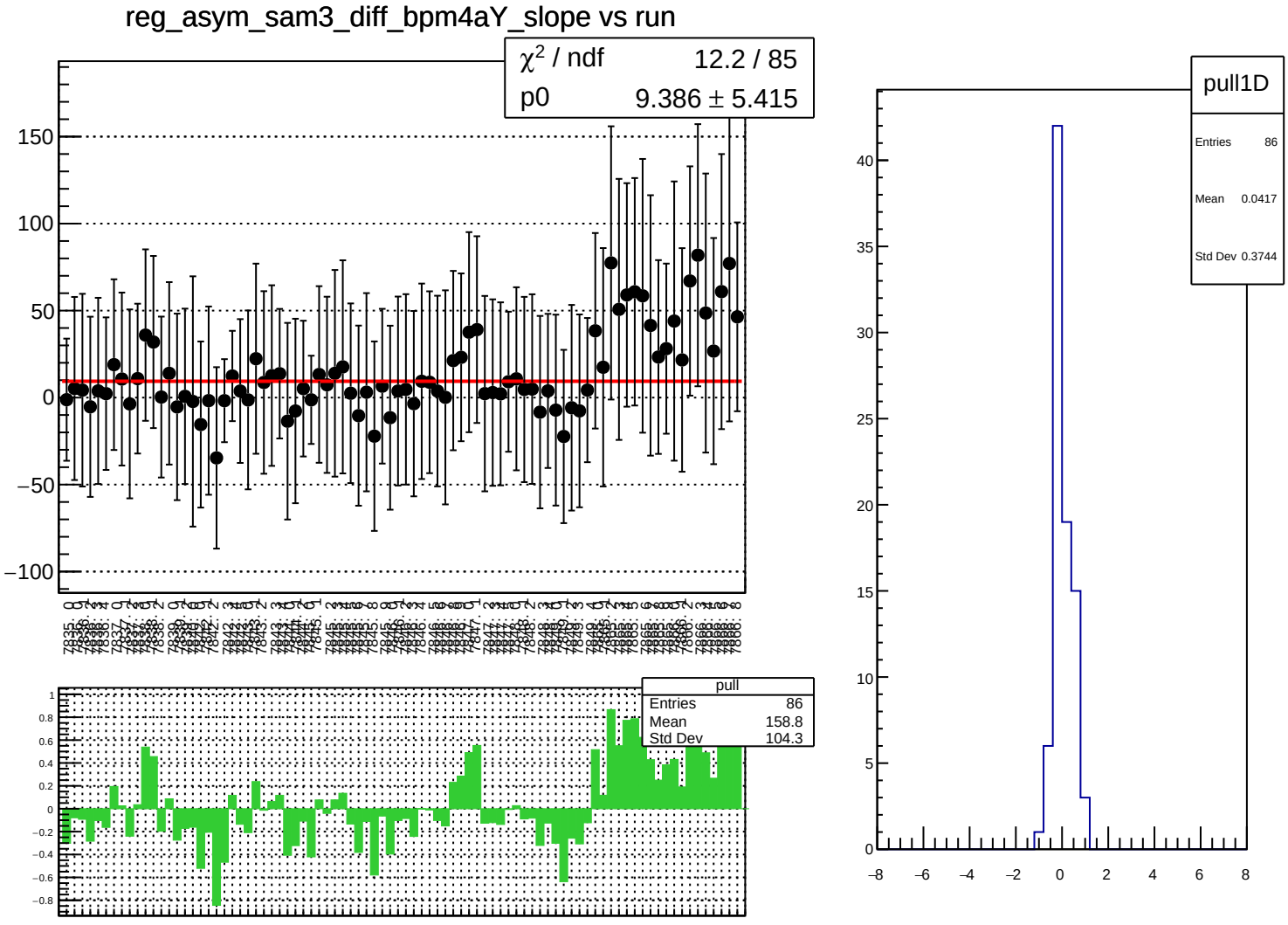

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 84.23 / 85
p0 −149 ± 6.756
pull
Entries 86
Mean 62.07
Std Dev 24.2

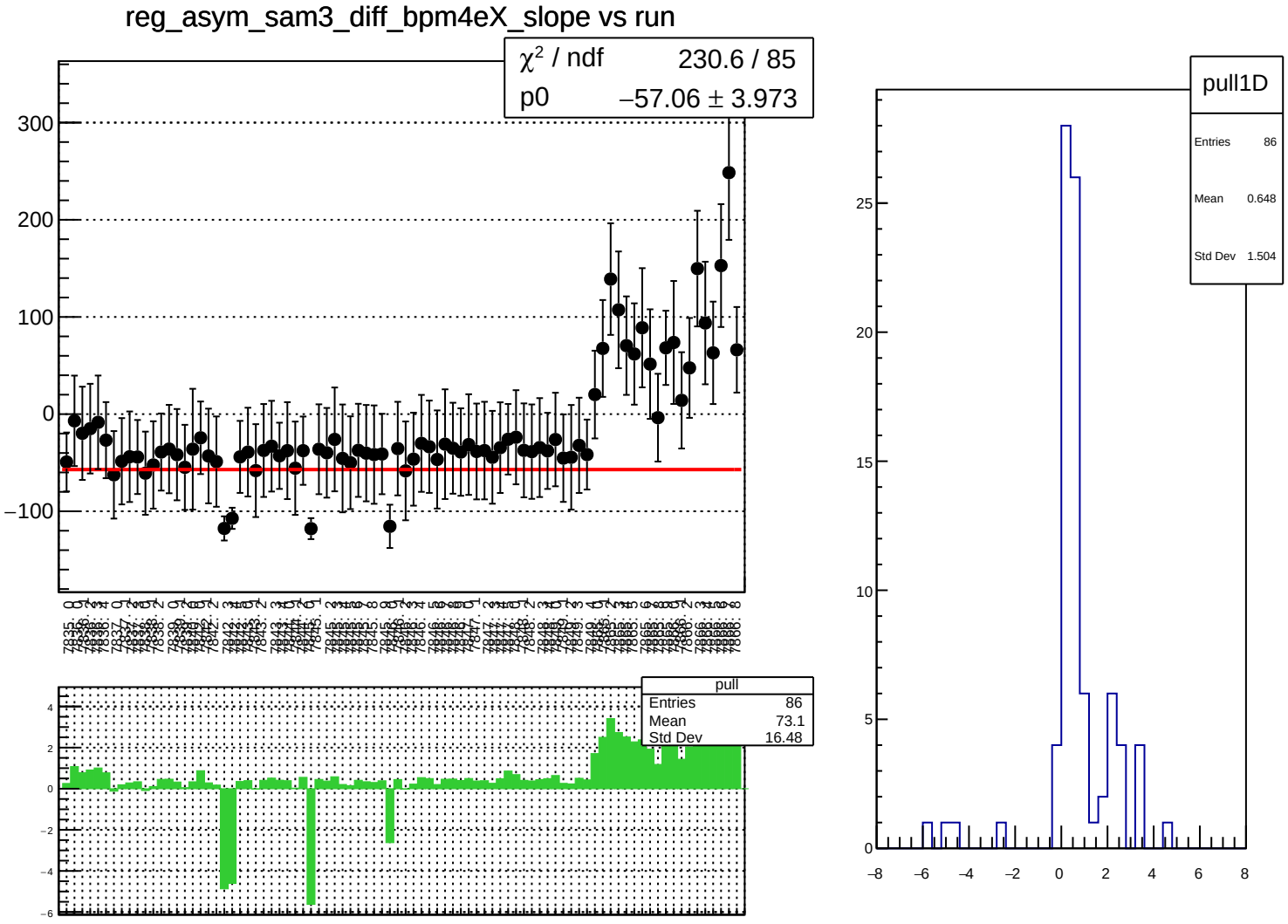

pull1D
Entries 86
Mean 0.4301
Std Dev 0.8913

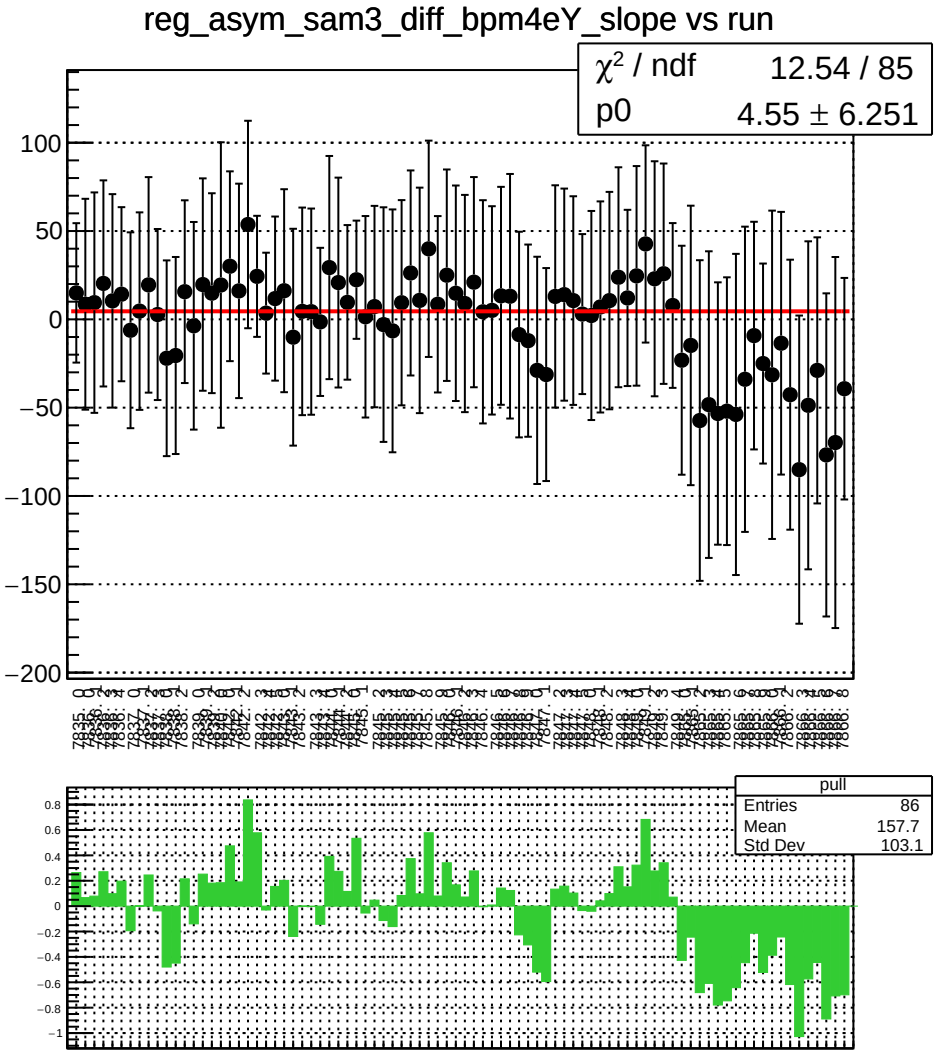

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 19 / 85
p0 −28.26 ± 10.57
pull
Entries 86
Mean −135.7
Std Dev 194.7
pull1D
Entries 86
Mean 0.01388
Std Dev 0.4698

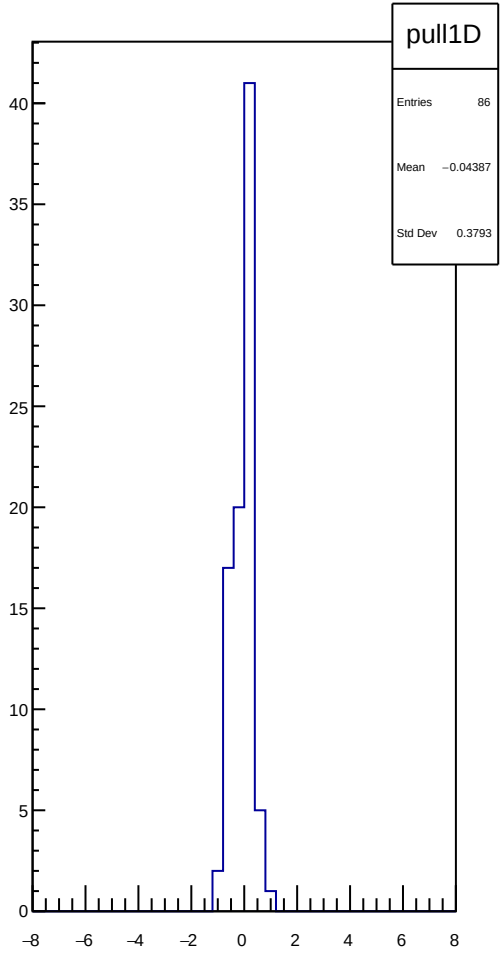

reg_asym_sam2_diff_bpm12X_slope vs run
χ^2 / ndf 17.44 / 85
p0 0.6317 ± 0.3166
pull
Entries 86
Mean 204.3
Std Dev 150.1
pull1D
Entries 86
Mean −0.04355
Std Dev 0.4483

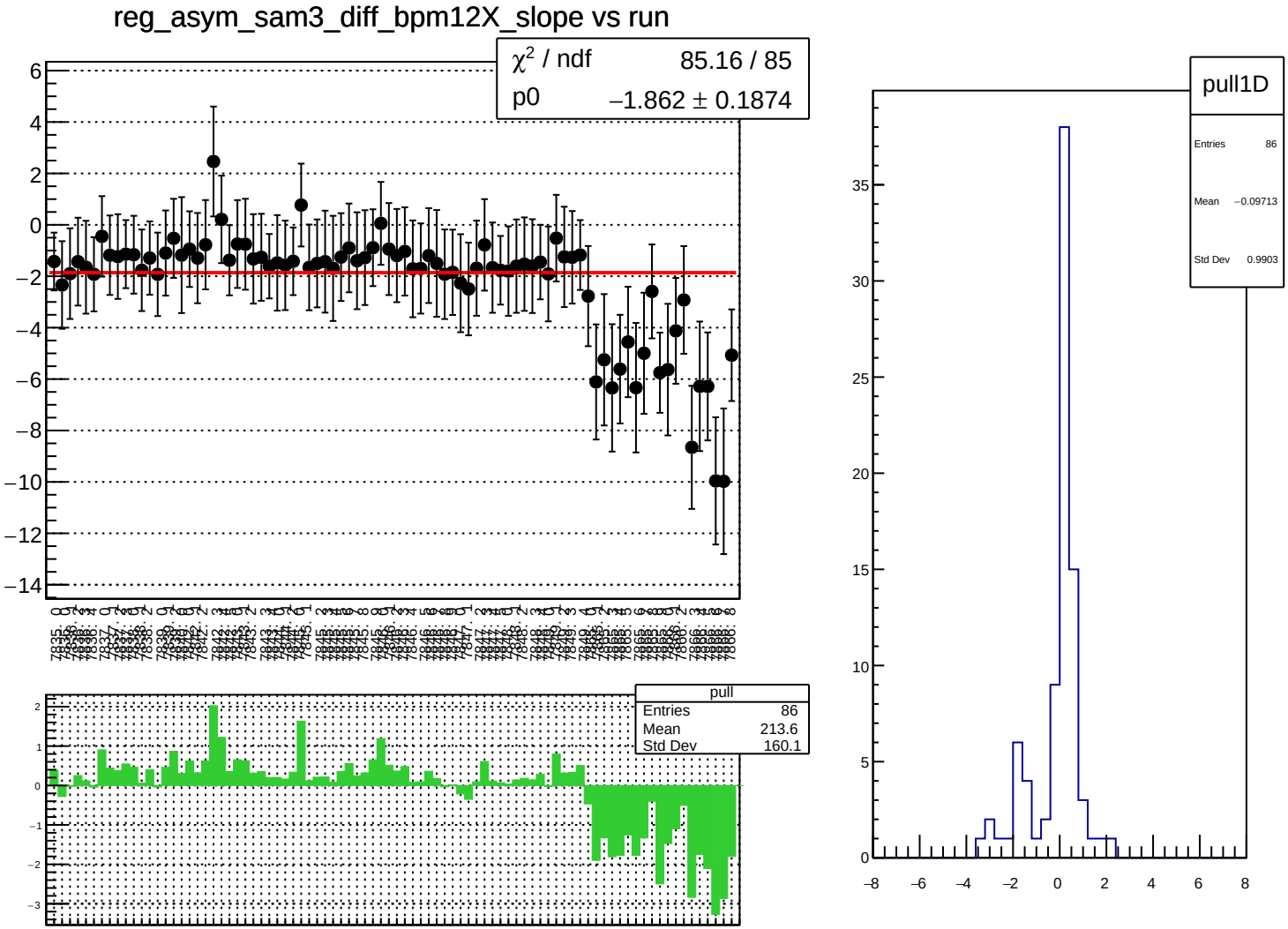

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 229 / 85
p0 −86.08 ± 4.557
pull
Entries 86
Mean 79.05
Std Dev 5.49
pull1D
Entries 86
Mean −0.5754
Std Dev 1.527

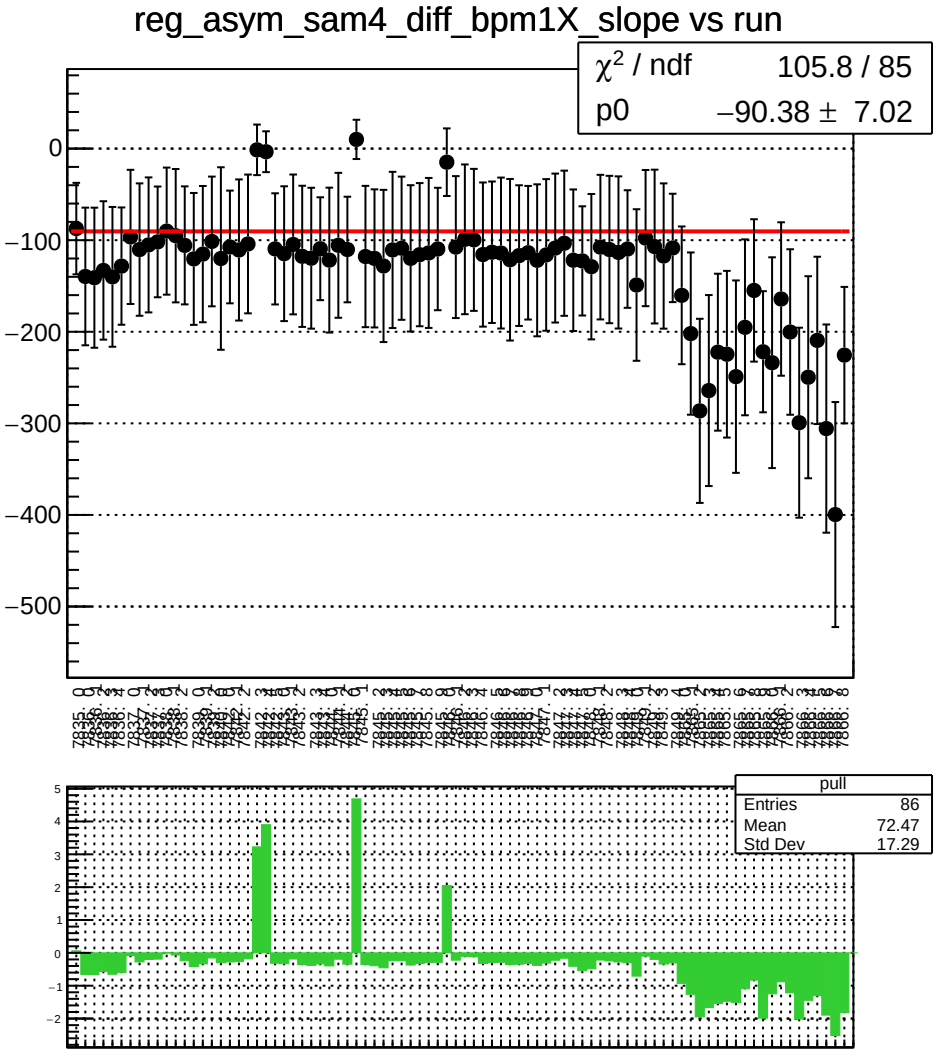

reg_asym_sam3_diff_bpm4aY_slope vs run
χ^2 / ndf 12.2 / 85
p0 9.386 ± 5.415
pull
Entries 86
Mean 158.8
Std Dev 104.3
pull1D
Entries 86
Mean 0.0417
Std Dev 0.3744

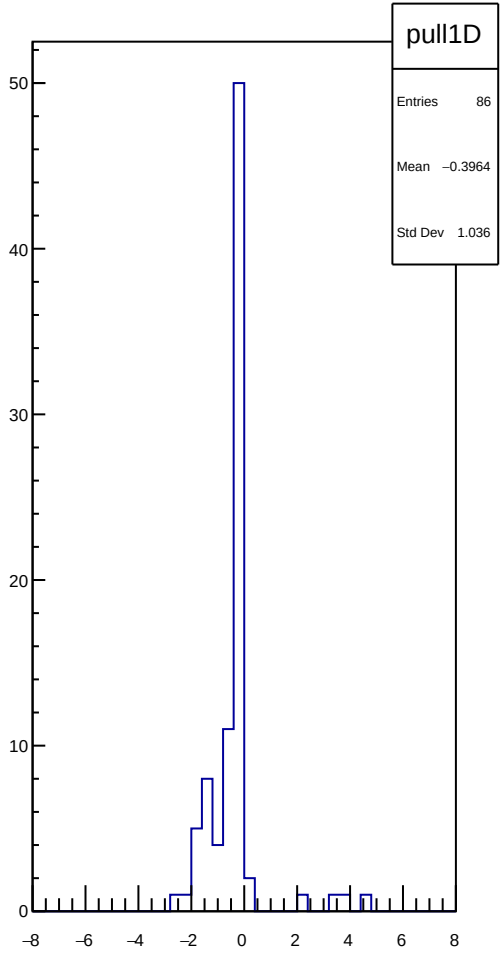

reg_asym_sam3_diff_bpm4eX_slope vs run
χ^2 / ndf 230.6 / 85
p0 −57.06 ± 3.973
pull
Entries 86
Mean 73.1
Std Dev 16.48
pull1D
Entries 86
Mean 0.648
Std Dev 1.504

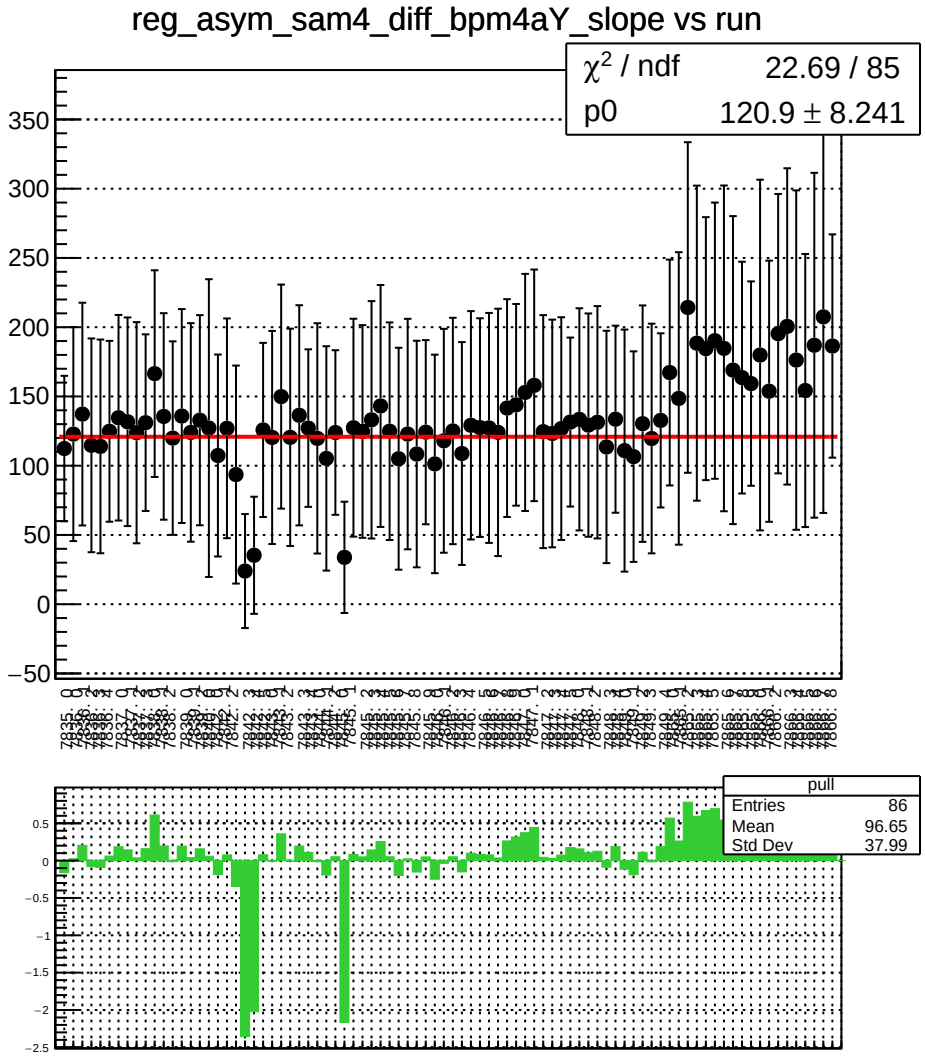

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 12.54 / 85
p0 4.55 ± 6.251
pull
Entries 86
Mean 157.7
Std Dev 103.1

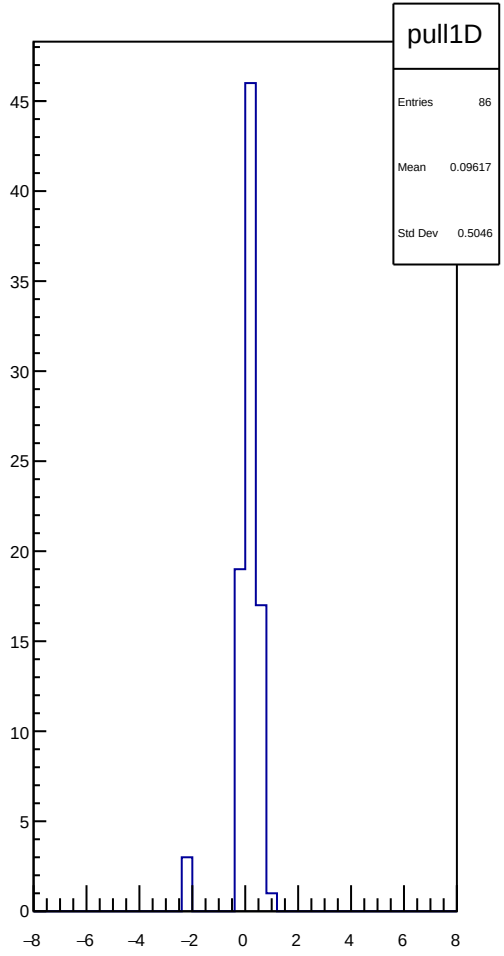

pull1D
Entries 86
Mean −0.04387
Std Dev 0.3793

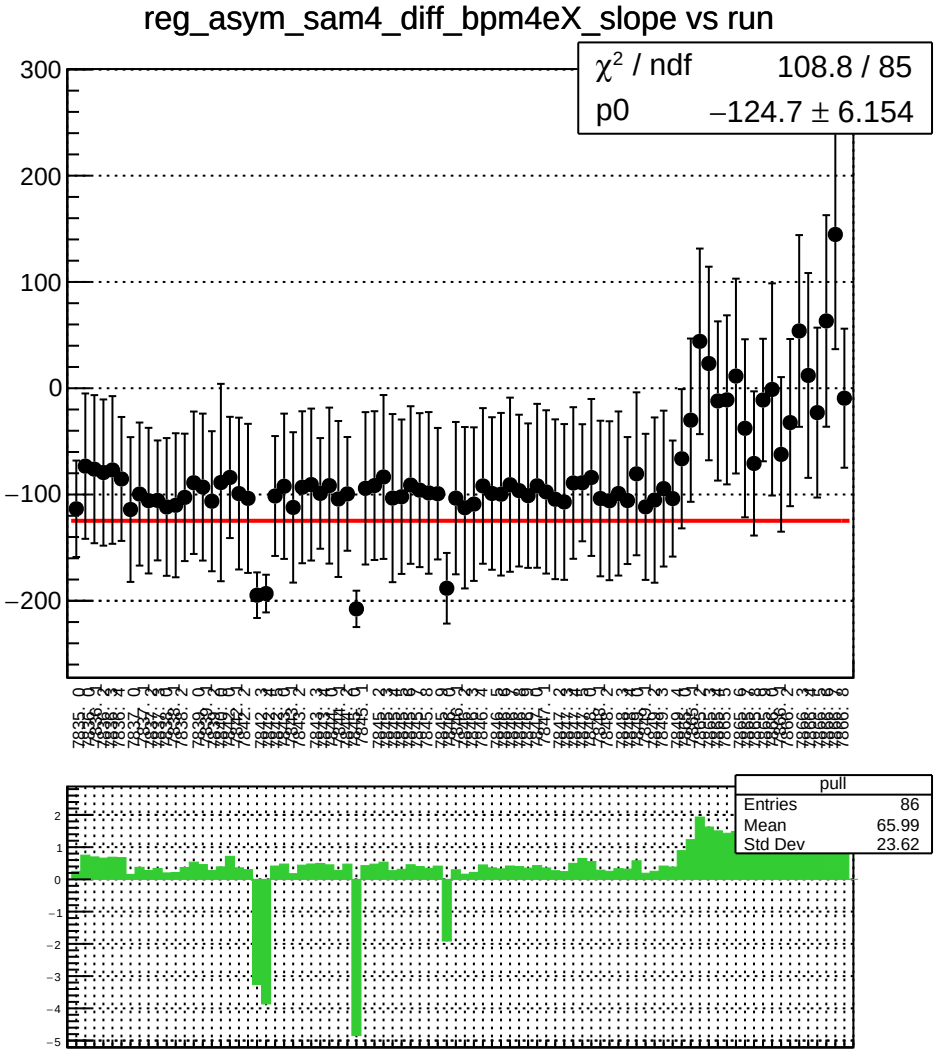

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 85.16 / 85
p0 −1.862 ± 0.1874
pull
Entries 86
Mean 213.6
Std Dev 160.1
pull1D
Entries 86
Mean −0.09713
Std Dev 0.9903

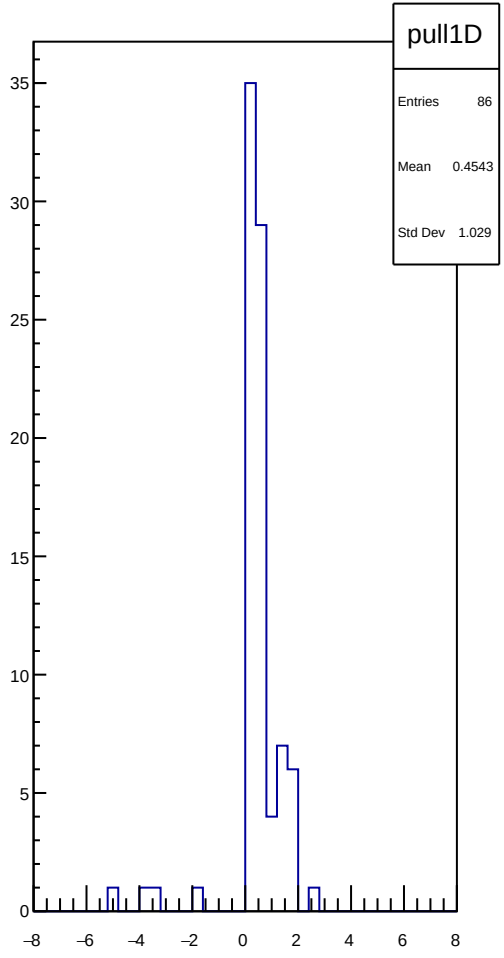

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 105.8 / 85
p0 −90.38 ± 7.02
pull
Entries 86
Mean 72.47
Std Dev 17.29

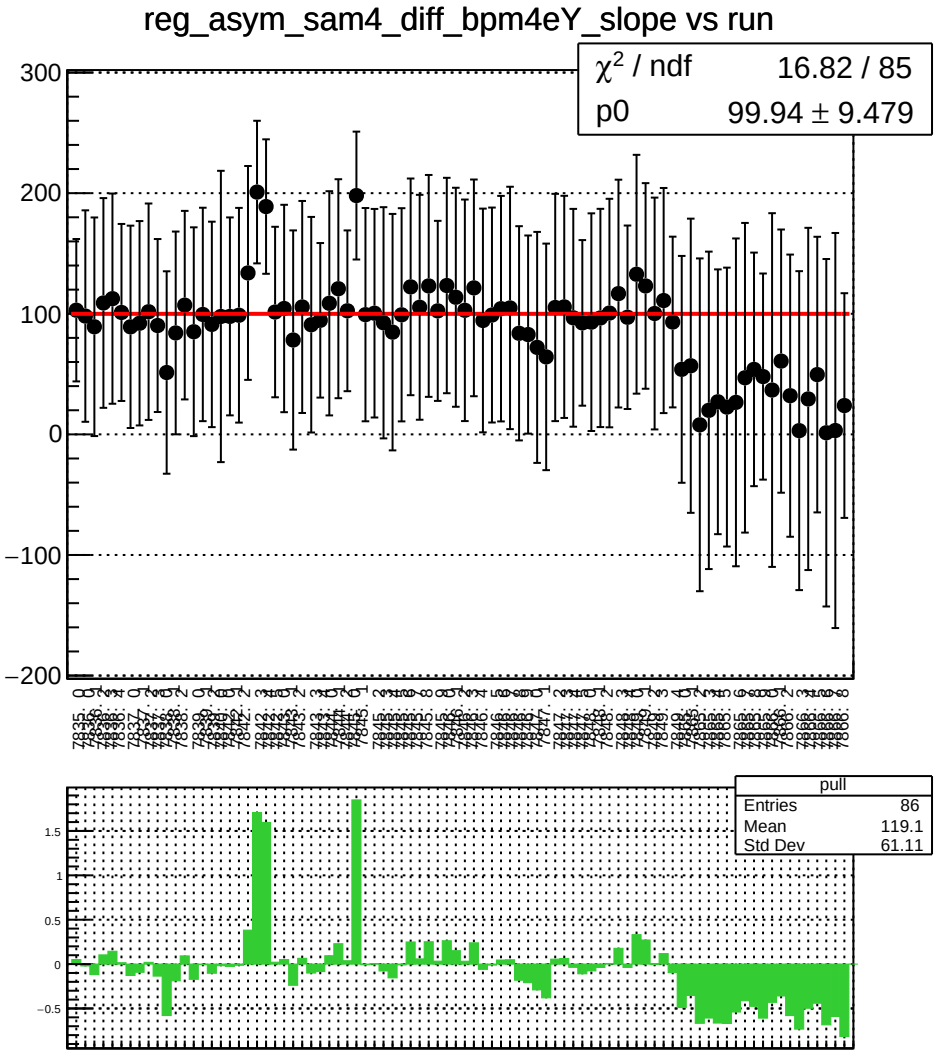

pull1D
Entries 86
Mean −0.3964
Std Dev 1.036

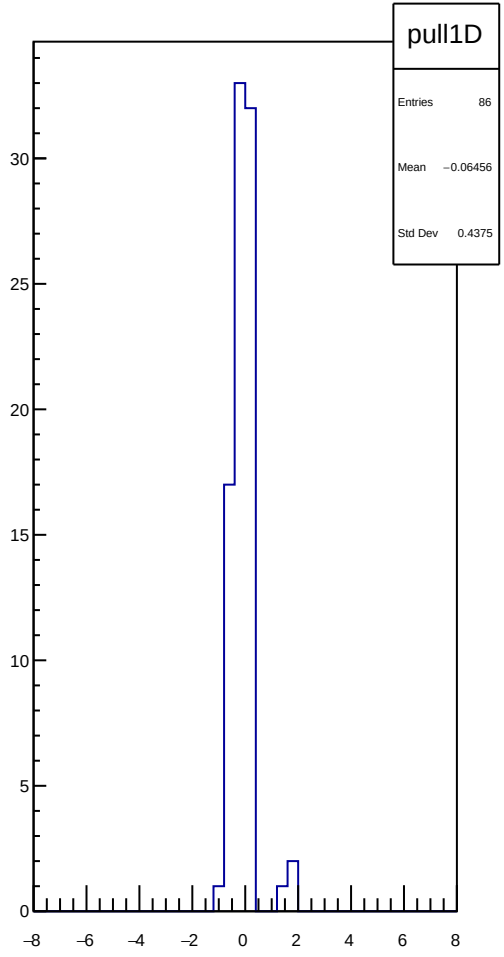

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 22.69 / 85
p0 120.9 ± 8.241
pull
Entries 86
Mean 96.65
Std Dev 37.99

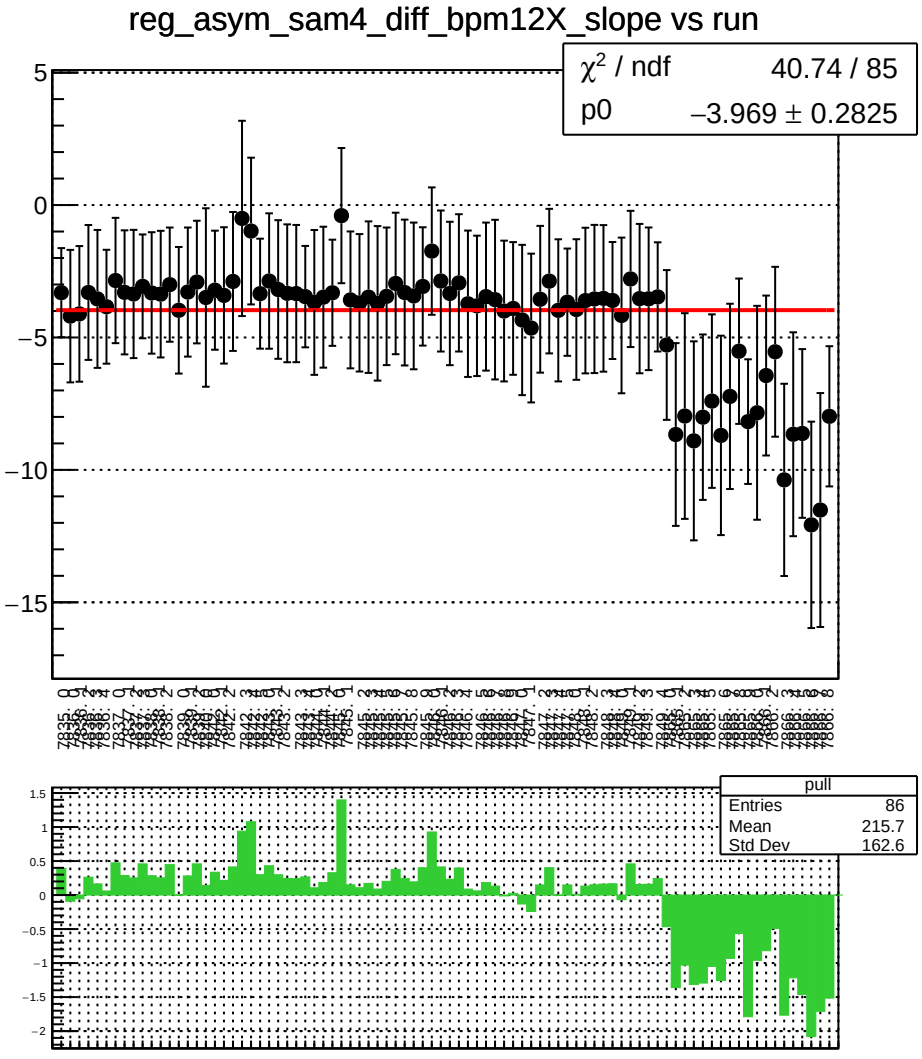

pull1D
Entries 86
Mean 0.09617
Std Dev 0.5046

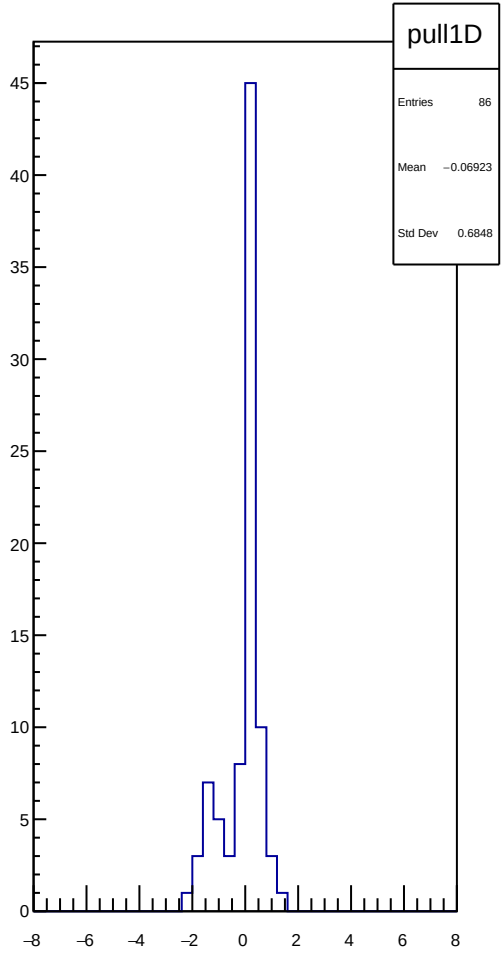

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 108.8 / 85
p0 −124.7 ± 6.154
pull
Entries 86
Mean 65.99
Std Dev 23.62

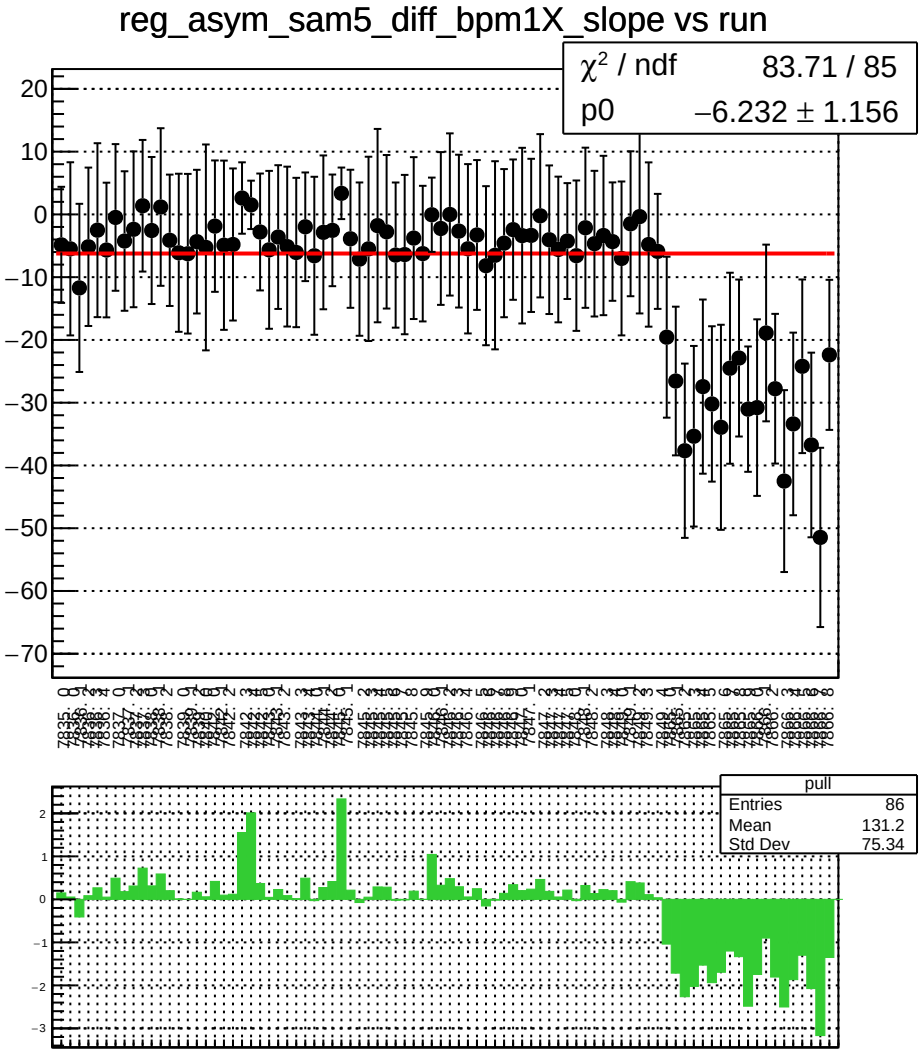

pull1D
Entries 86
Mean 0.4543
Std Dev 1.029

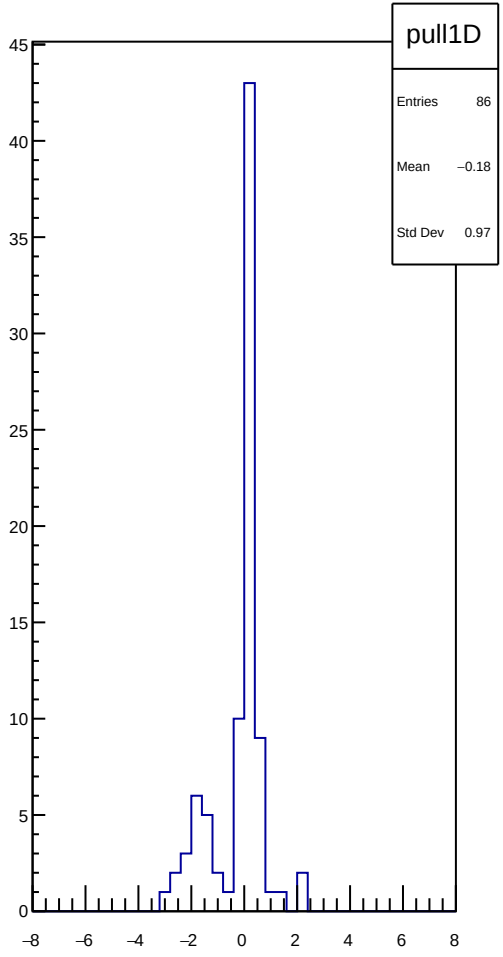

reg_asym_sam4_diff_bpm4eY_slope vs run
χ^2 / ndf 16.82 / 85
p0 99.94 ± 9.479
pull
Entries 86
Mean 119.1
Std Dev 61.11

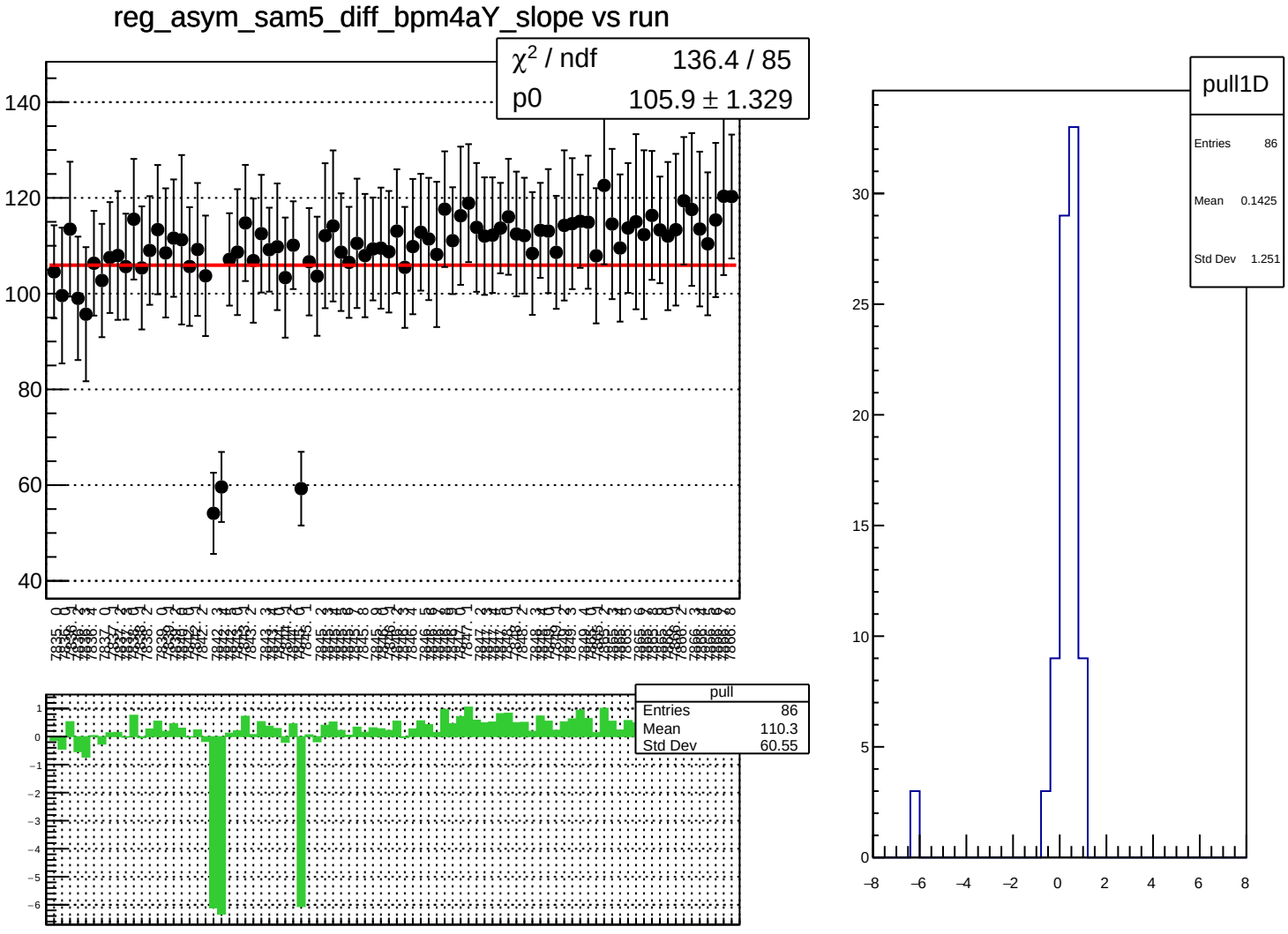

pull1D
Entries 86
Mean −0.06456
Std Dev 0.4375

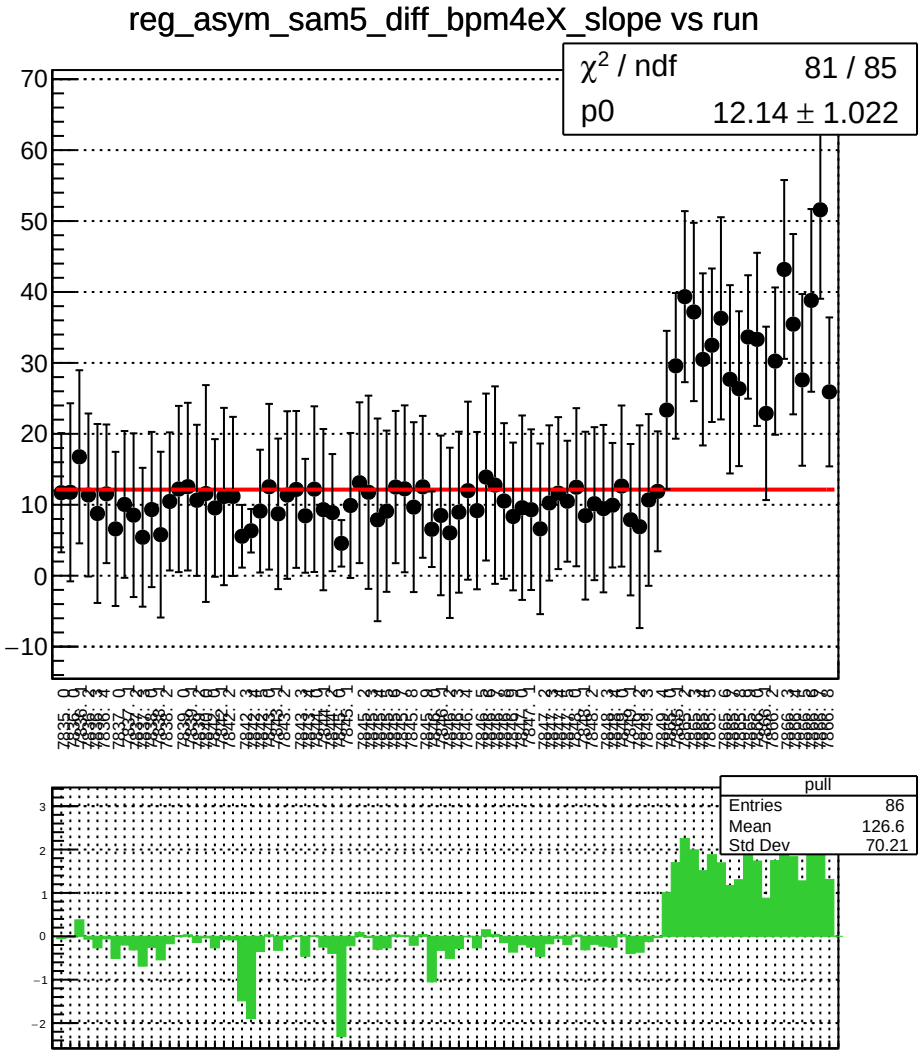

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 40.74 / 85
p0 −3.969 ± 0.2825
pull
Entries 86
Mean 215.7
Std Dev 162.6

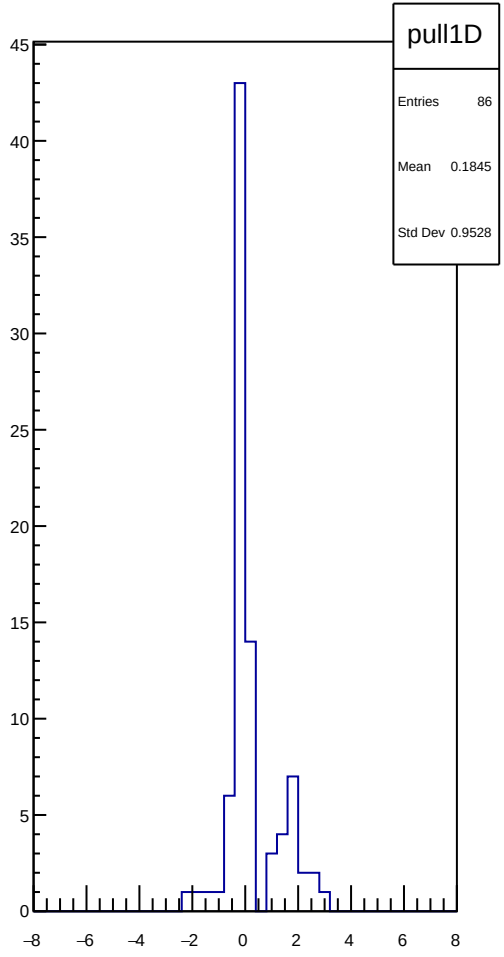

pull1D
Entries 86
Mean −0.06923
Std Dev 0.6848

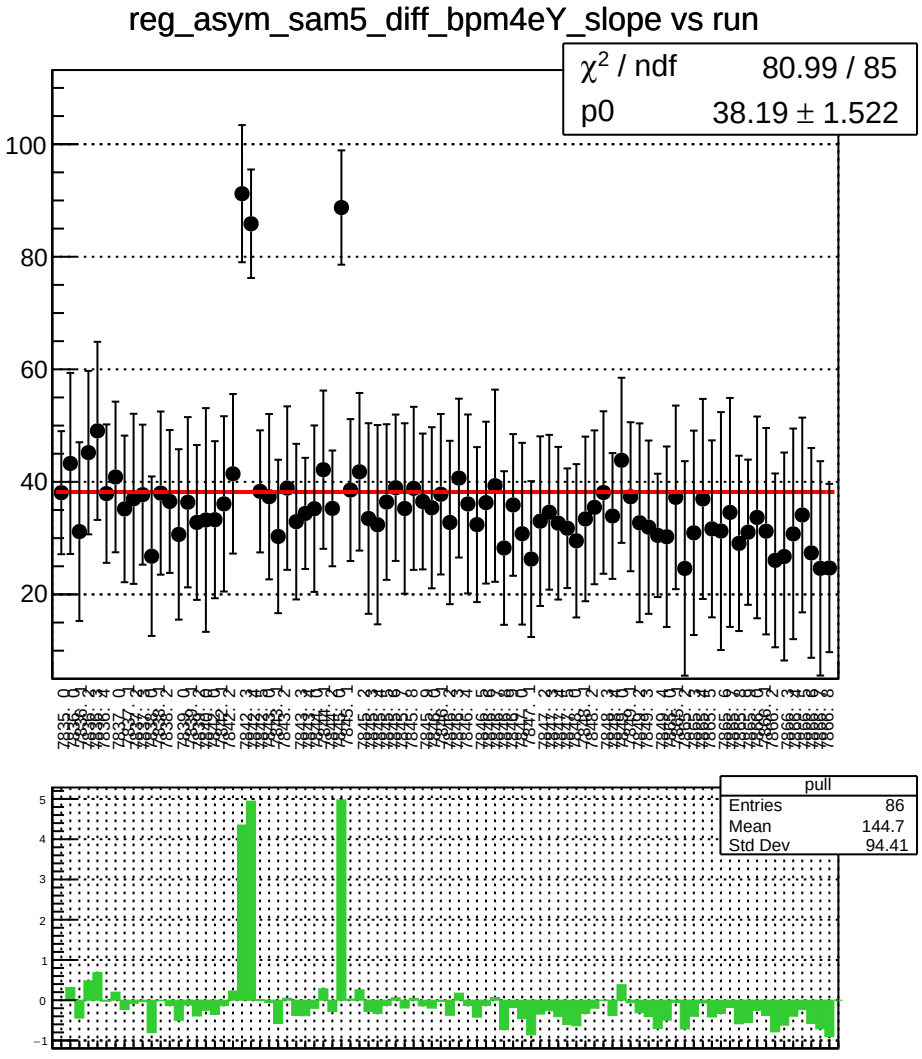

reg_asym_sam5_diff_bpm1X_slope vs run
χ^2 / ndf 83.71 / 85
p0 −6.232 ± 1.156
pull
Entries 86
Mean 131.2
Std Dev 75.34

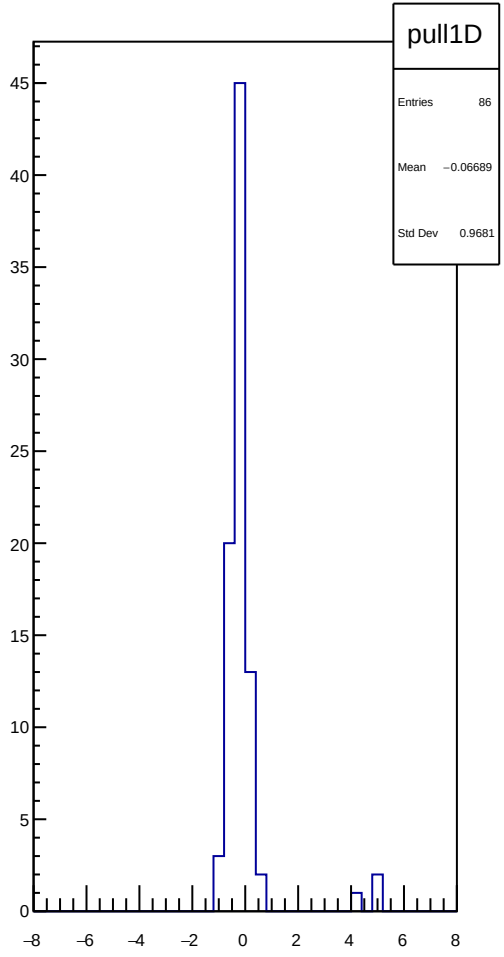

pull1D
Entries 86
Mean −0.18
Std Dev 0.97

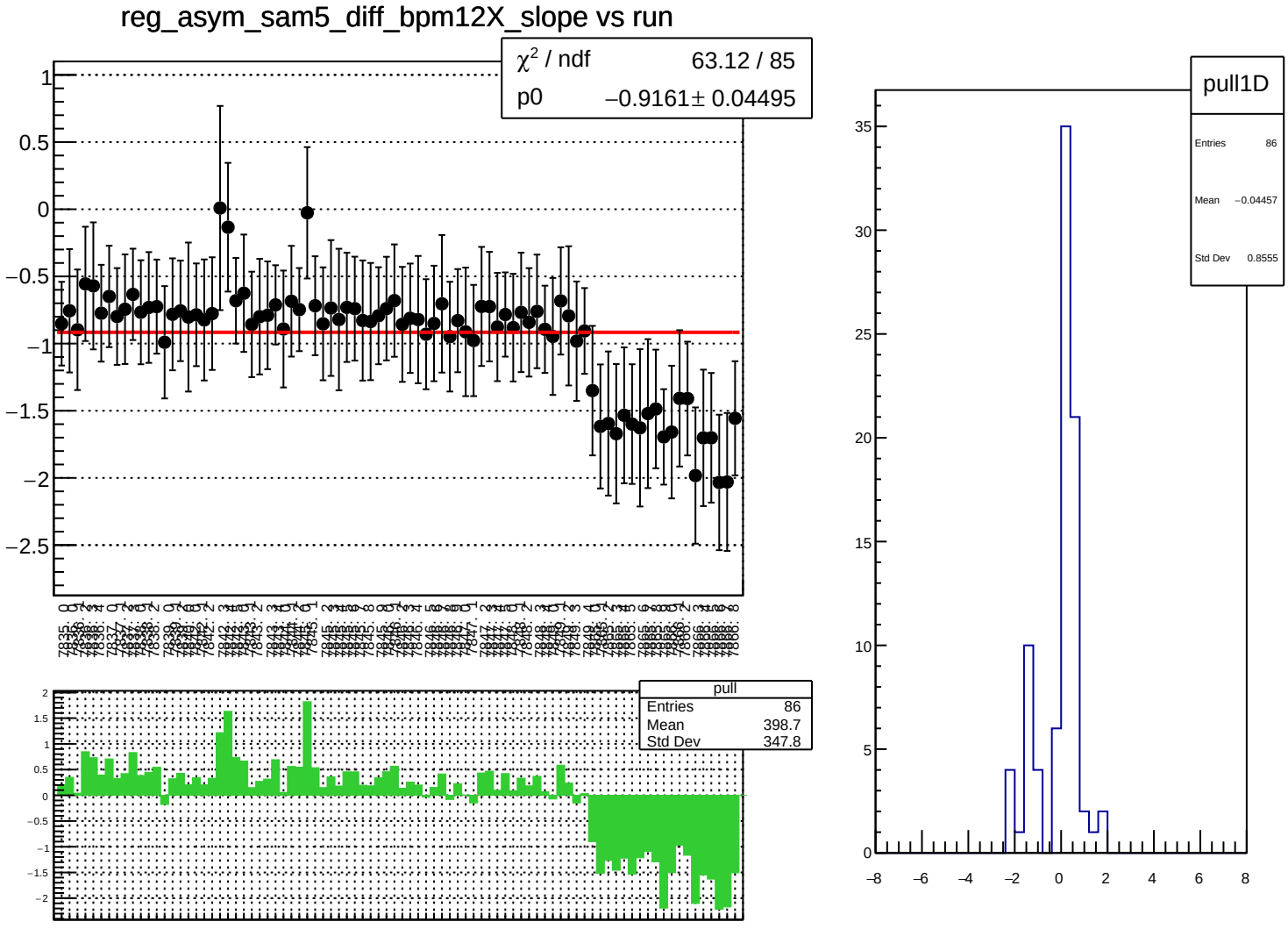

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 136.4 / 85
p0 105.9 ± 1.329
pull
Entries 86
Mean 110.3
Std Dev 60.55
pull1D
Entries 86
Mean 0.1425
Std Dev 1.251

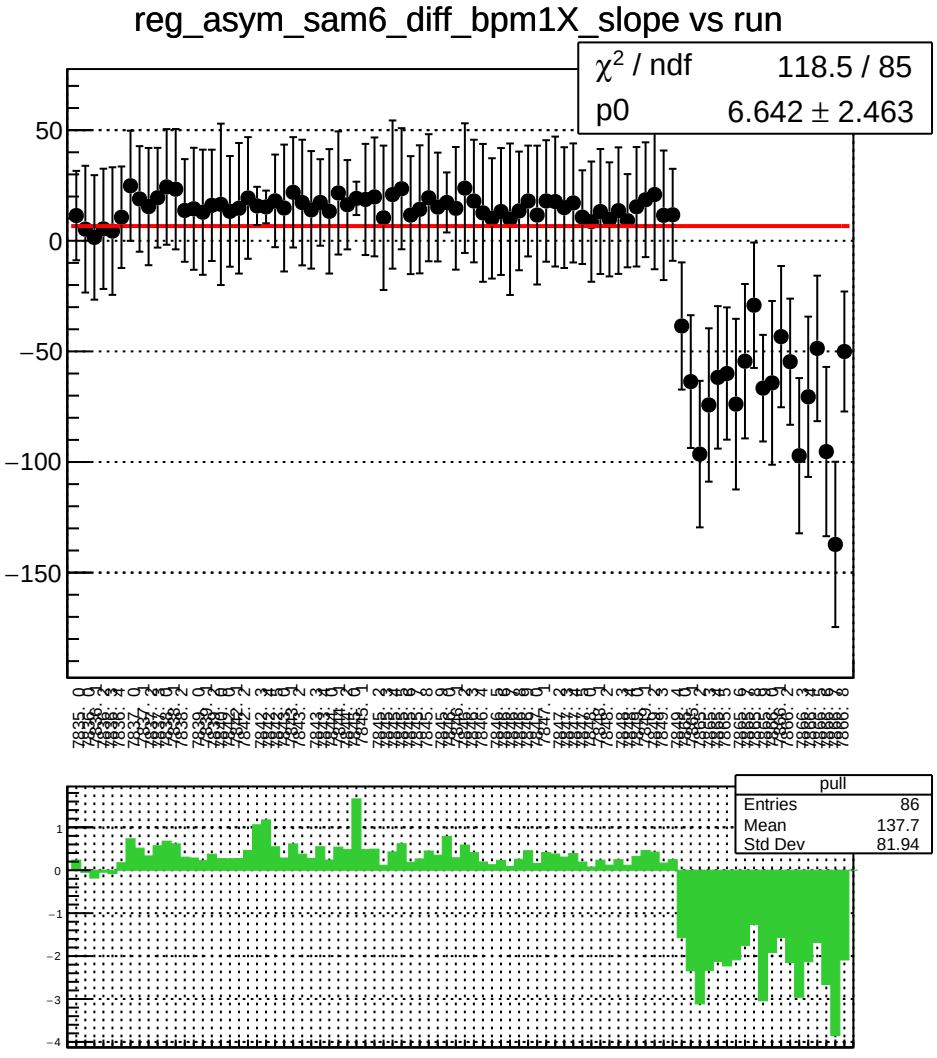

reg_asym_sam5_diff_bpm4eX_slope vs run
χ^2 / ndf 81 / 85
p0 12.14 ± 1.022
pull
Entries 86
Mean 126.6
Std Dev 70.21

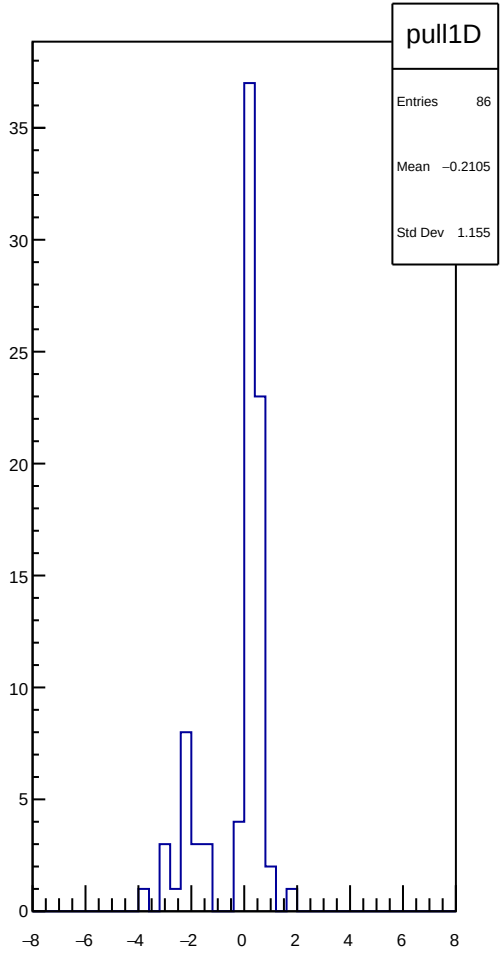

pull1D
Entries 86
Mean 0.1845
Std Dev 0.9528

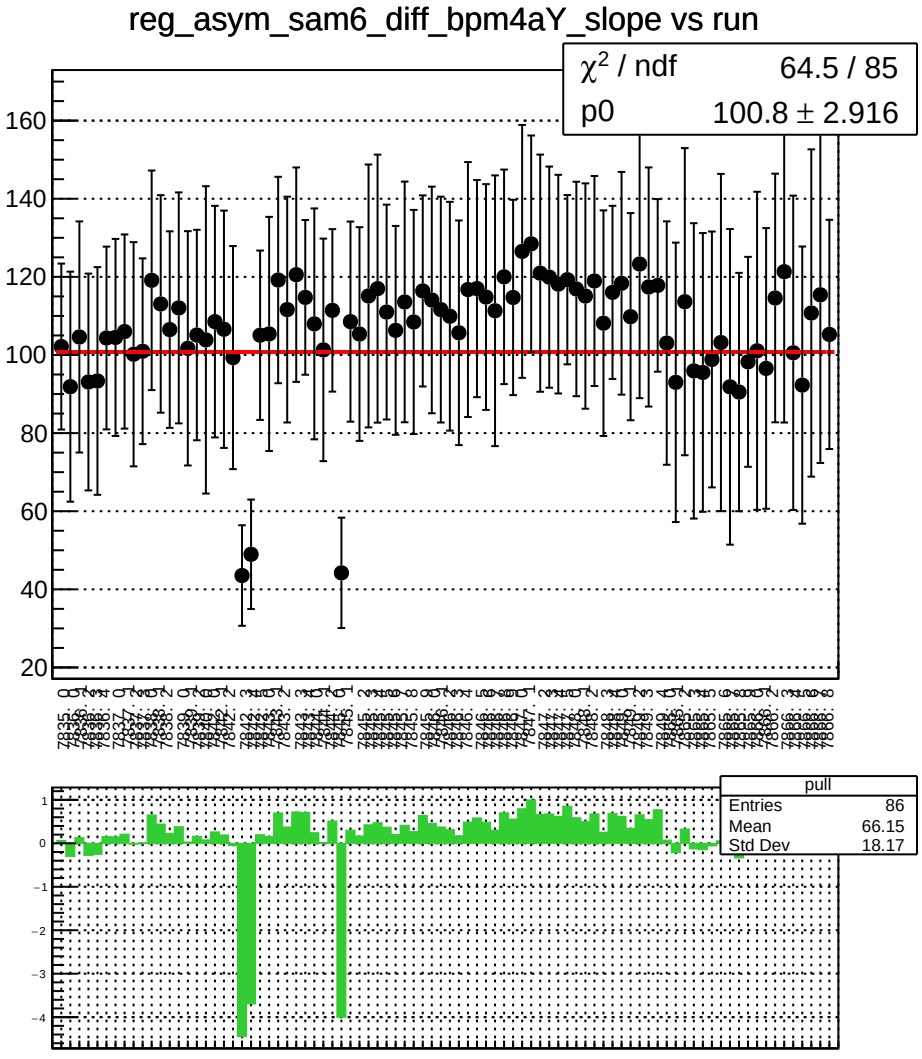

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 80.99 / 85
p0 38.19 ± 1.522
pull
Entries 86
Mean 144.7
Std Dev 94.41

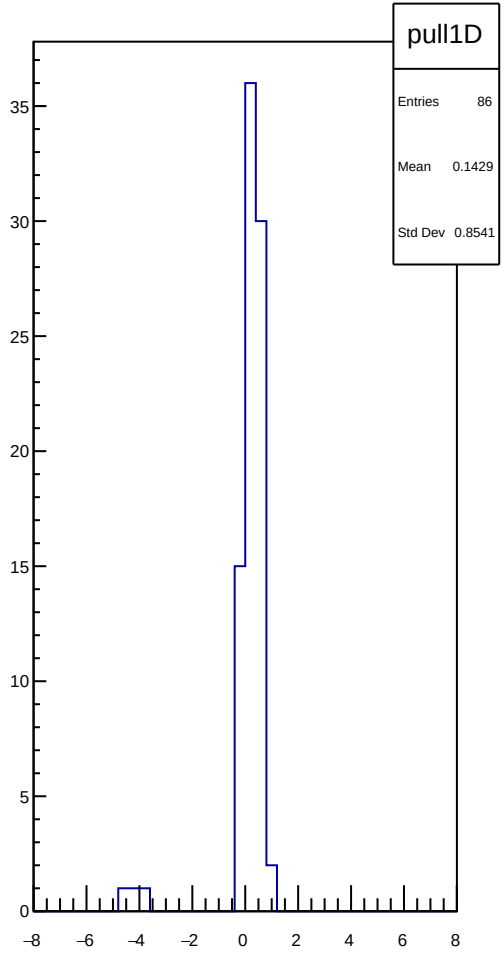

pull1D
Entries 86
Mean −0.06689
Std Dev 0.9681

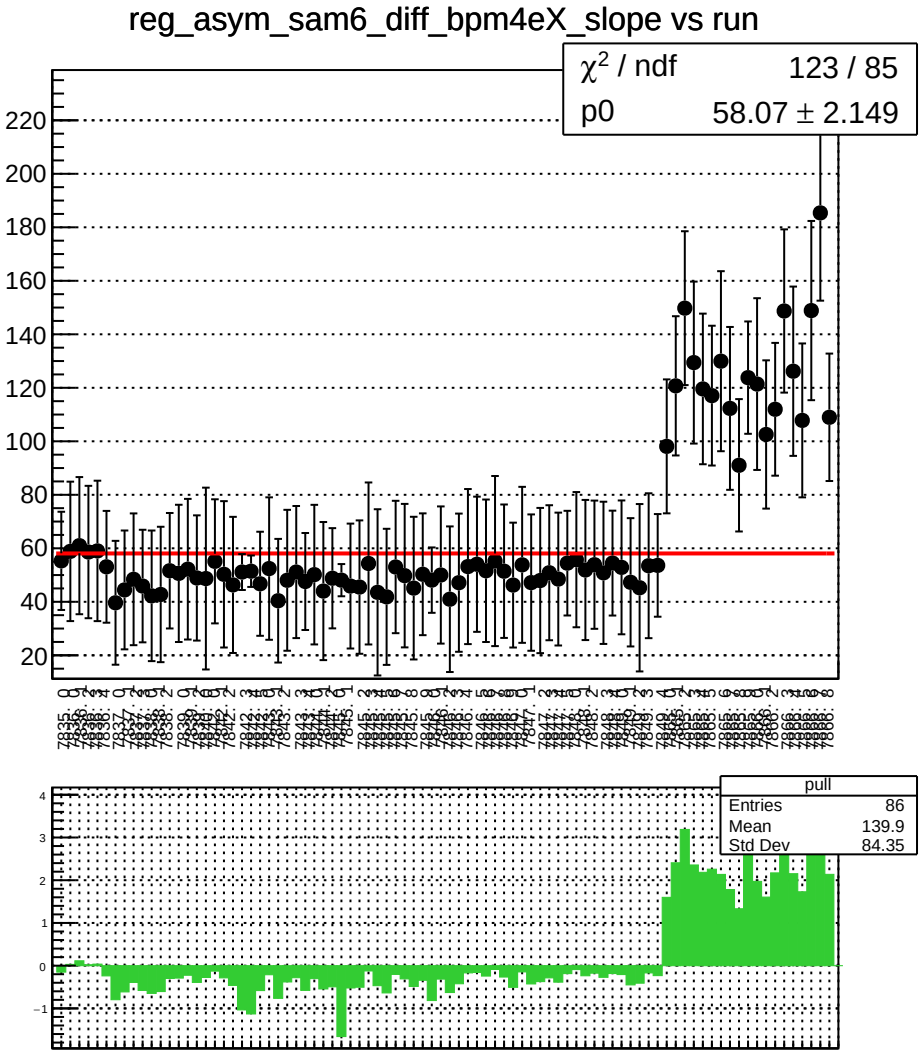

reg_asym_sam5_diff_bpm12X_slope vs run
χ^2 / ndf 63.12 / 85
p0 −0.9161± 0.04495
pull
Entries 86
Mean 398.7
Std Dev 347.8
pull1D
Entries 86
Mean −0.04457
Std Dev 0.8555

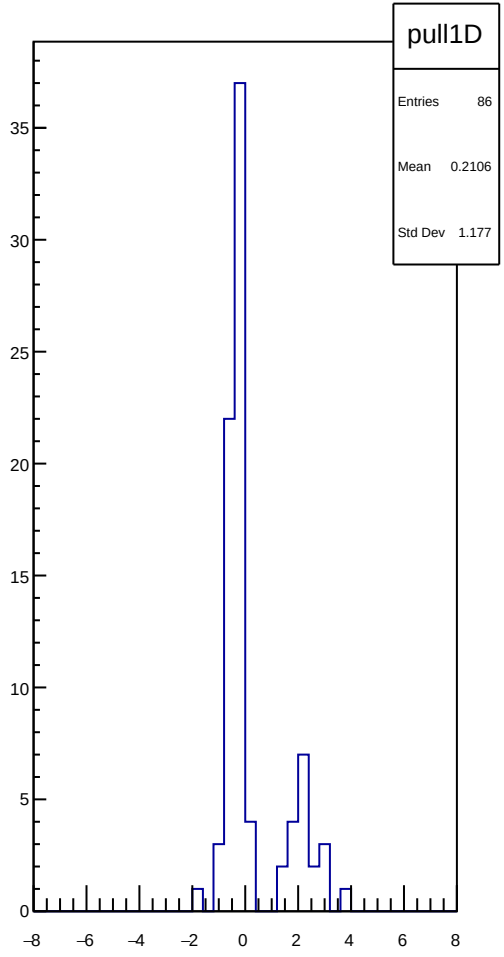

reg_asym_sam6_diff_bpm1X_slope vs run
χ^2 / ndf 118.5 / 85
p0 6.642 ± 2.463
pull
Entries 86
Mean 137.7
Std Dev 81.94

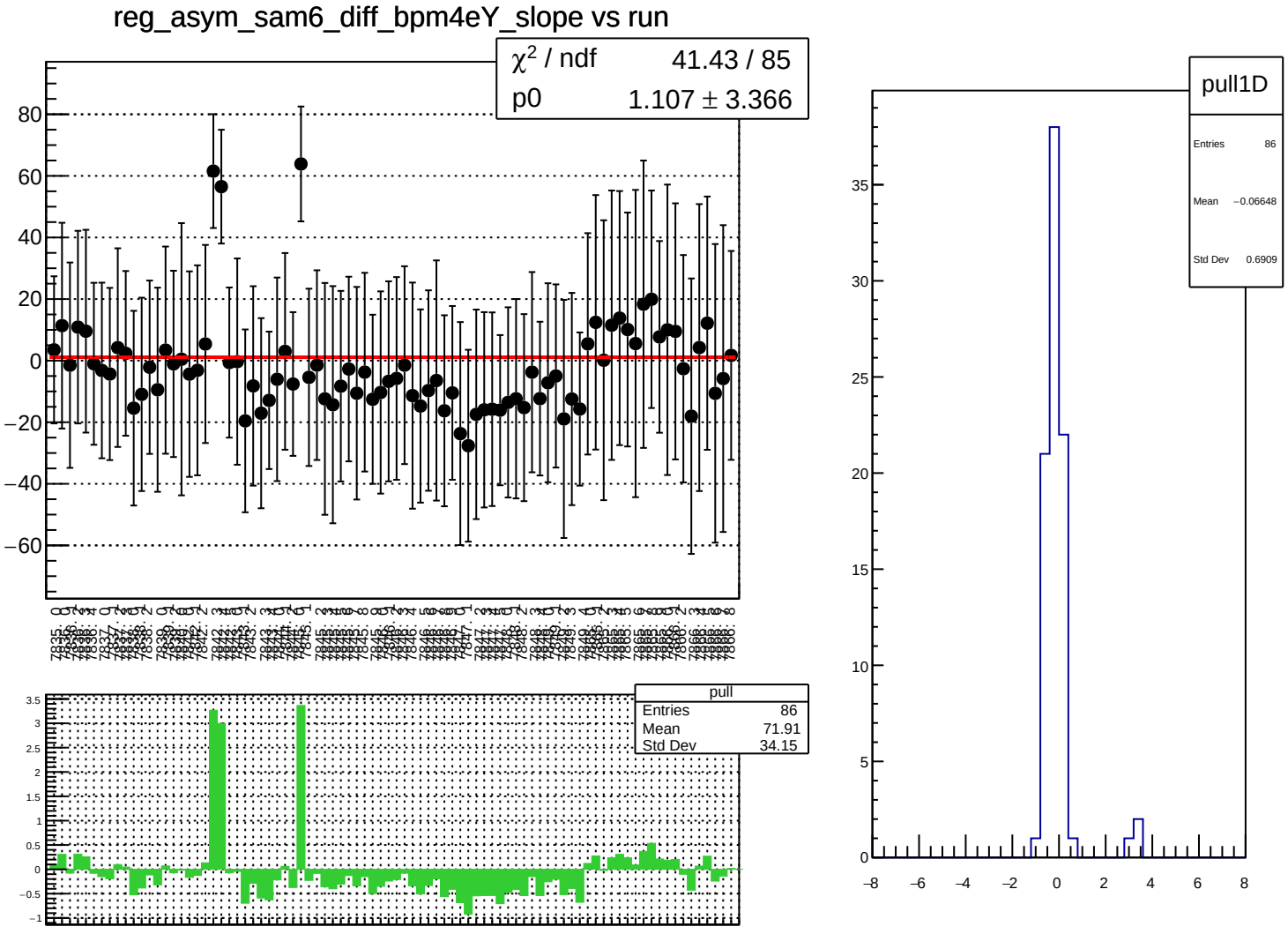

pull1D
Entries 86
Mean −0.2105
Std Dev 1.155

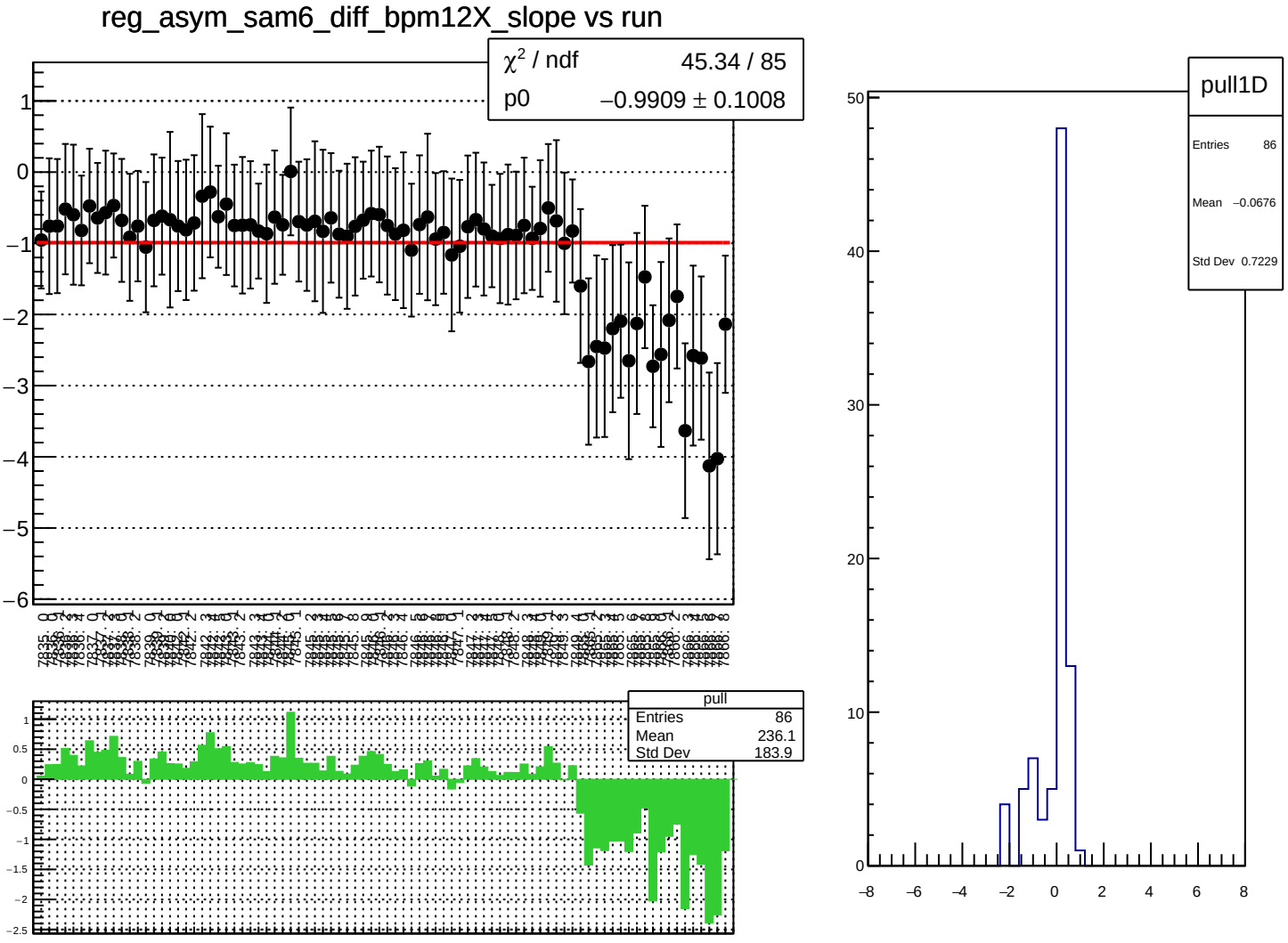

reg_asym_sam6_diff_bpm4aY_slope vs run
χ^2 / ndf 64.5 / 85
p0 100.8 ± 2.916
pull
Entries 86
Mean 66.15
Std Dev 18.17

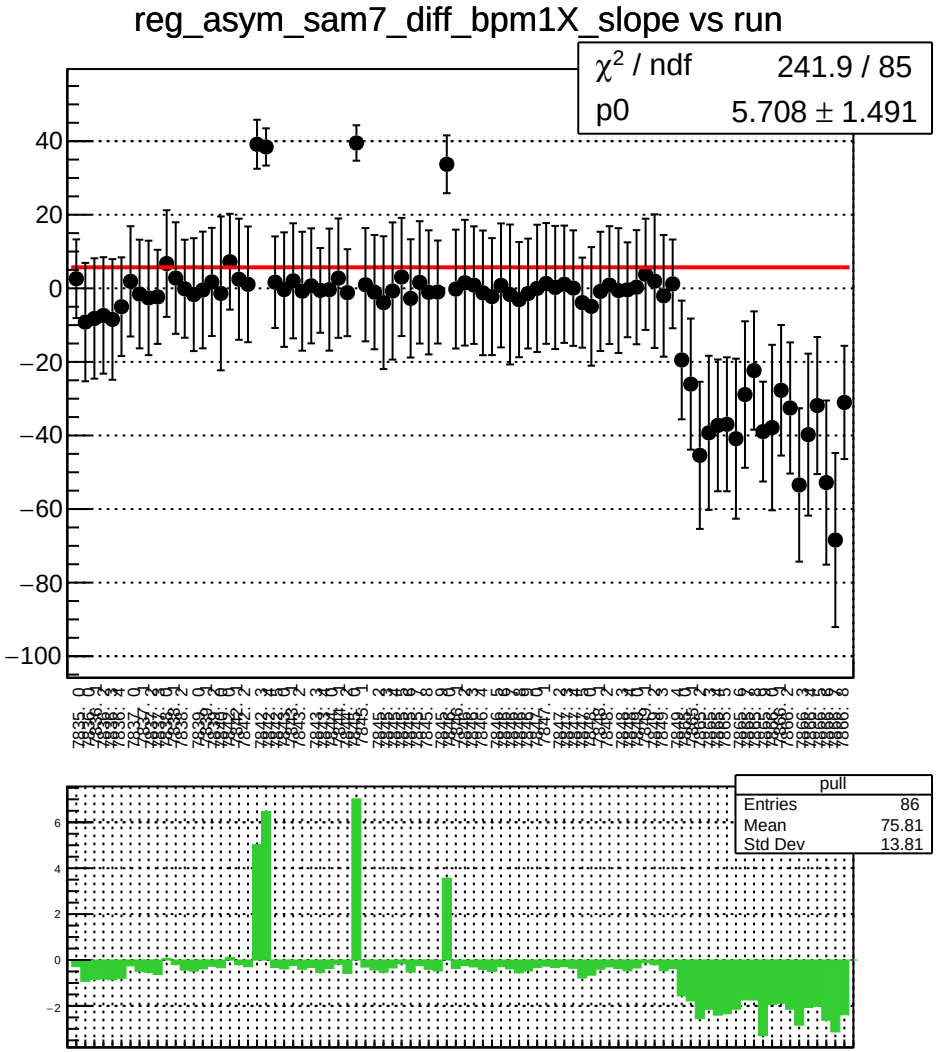

pull1D
Entries 86
Mean 0.1429
Std Dev 0.8541

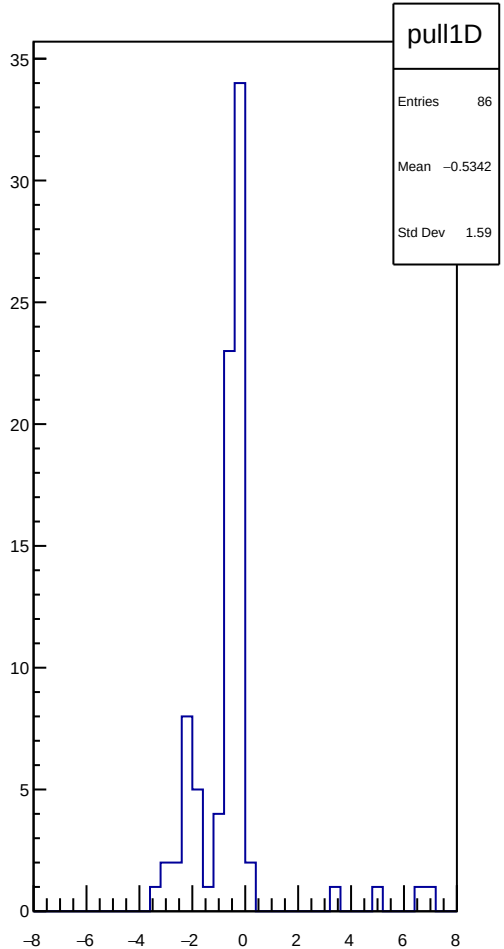

reg_asym_sam6_diff_bpm4eX_slope vs run
χ^2 / ndf 123 / 85
p0 58.07 ± 2.149
pull
Entries 86
Mean 139.9
Std Dev 84.35

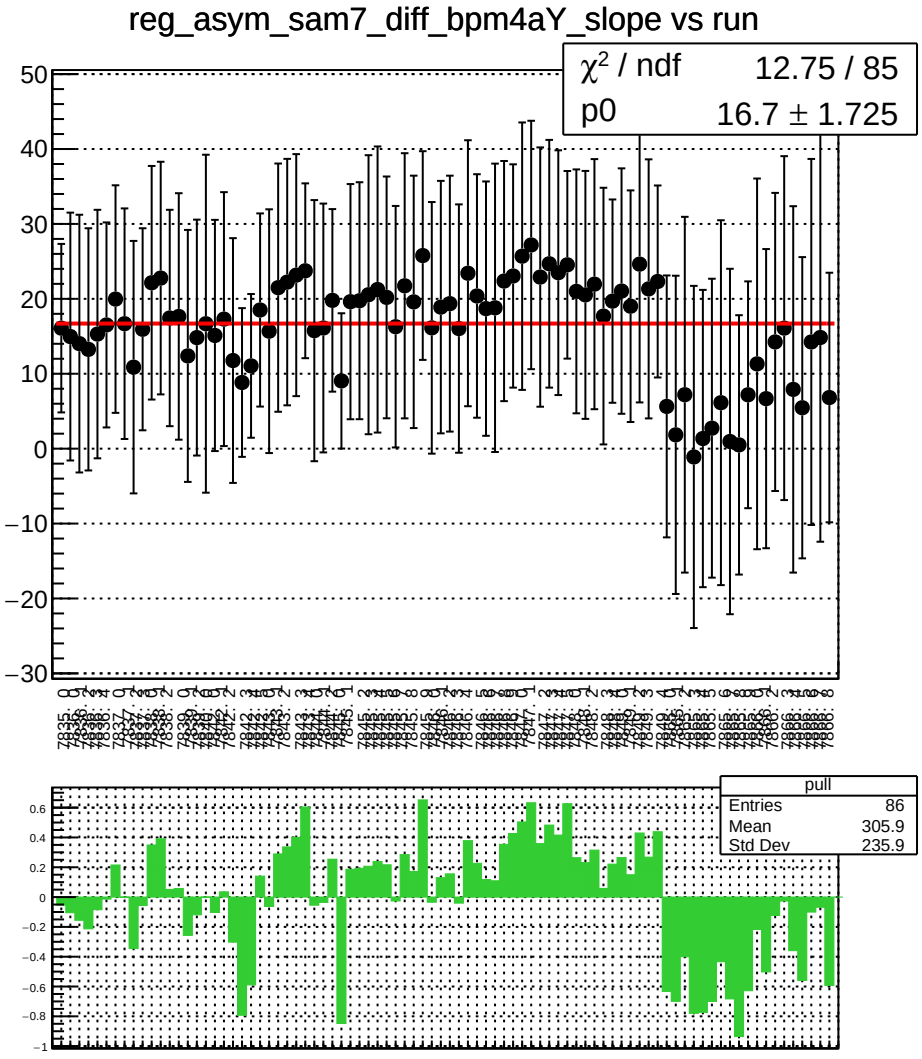

pull1D
Entries 86
Mean 0.2106
Std Dev 1.177

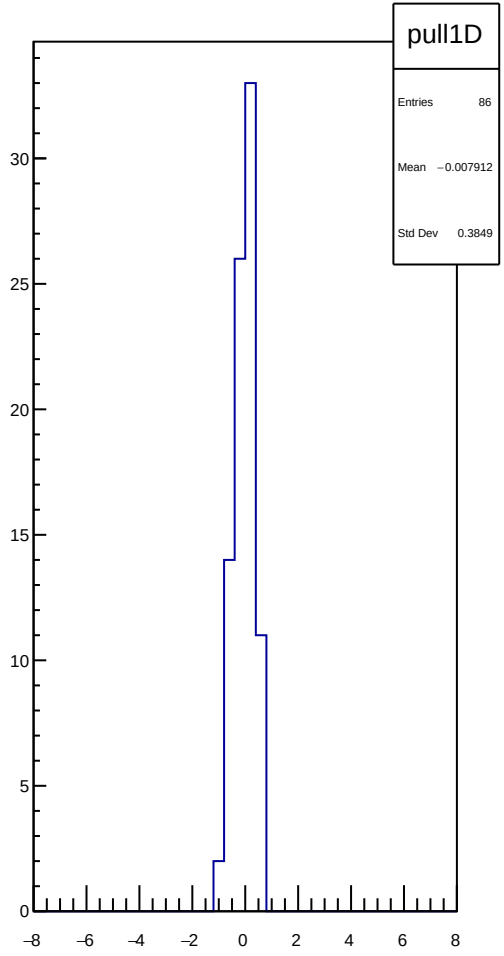

reg_asym_sam6_diff_bpm4eY_slope vs run
χ^2 / ndf 41.43 / 85
p0 1.107 ± 3.366
pull
Entries 86
Mean 71.91
Std Dev 34.15
pull1D
Entries 86
Mean −0.06648
Std Dev 0.6909

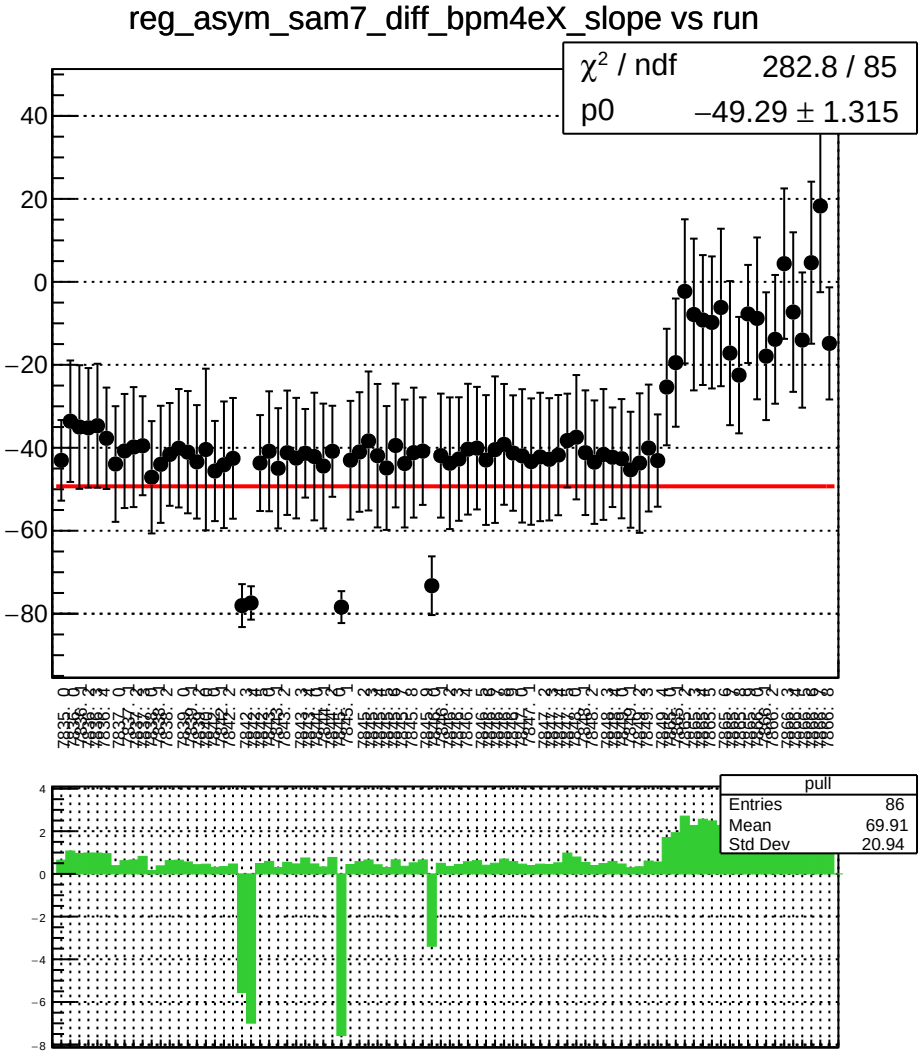

reg_asym_sam6_diff_bpm12X_slope vs run
χ^2 / ndf 45.34 / 85
p0 −0.9909 ± 0.1008
pull
Entries 86
Mean 236.1
Std Dev 183.9
pull1D
Entries 86
Mean −0.0676
Std Dev 0.7229

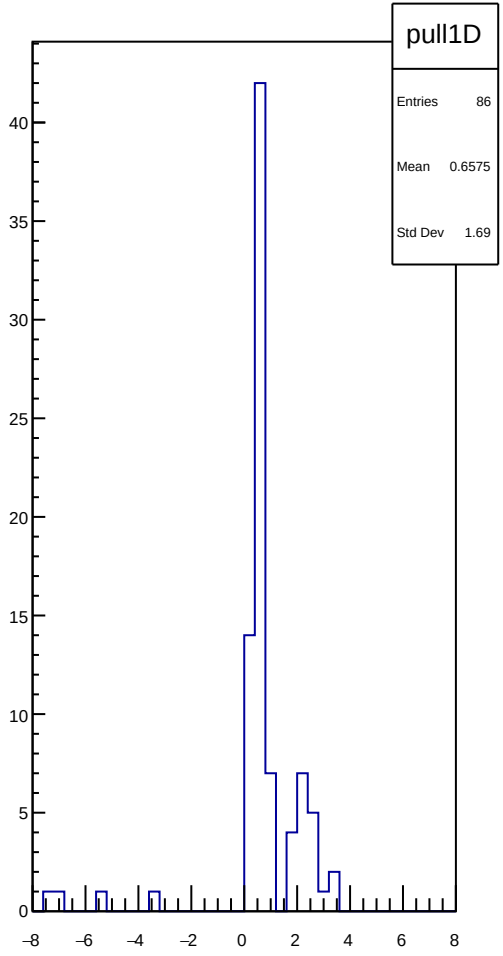

reg_asym_sam7_diff_bpm1X_slope vs run
χ^2 / ndf 241.9 / 85
p0 5.708 ± 1.491
pull
Entries 86
Mean 75.81
Std Dev 13.81

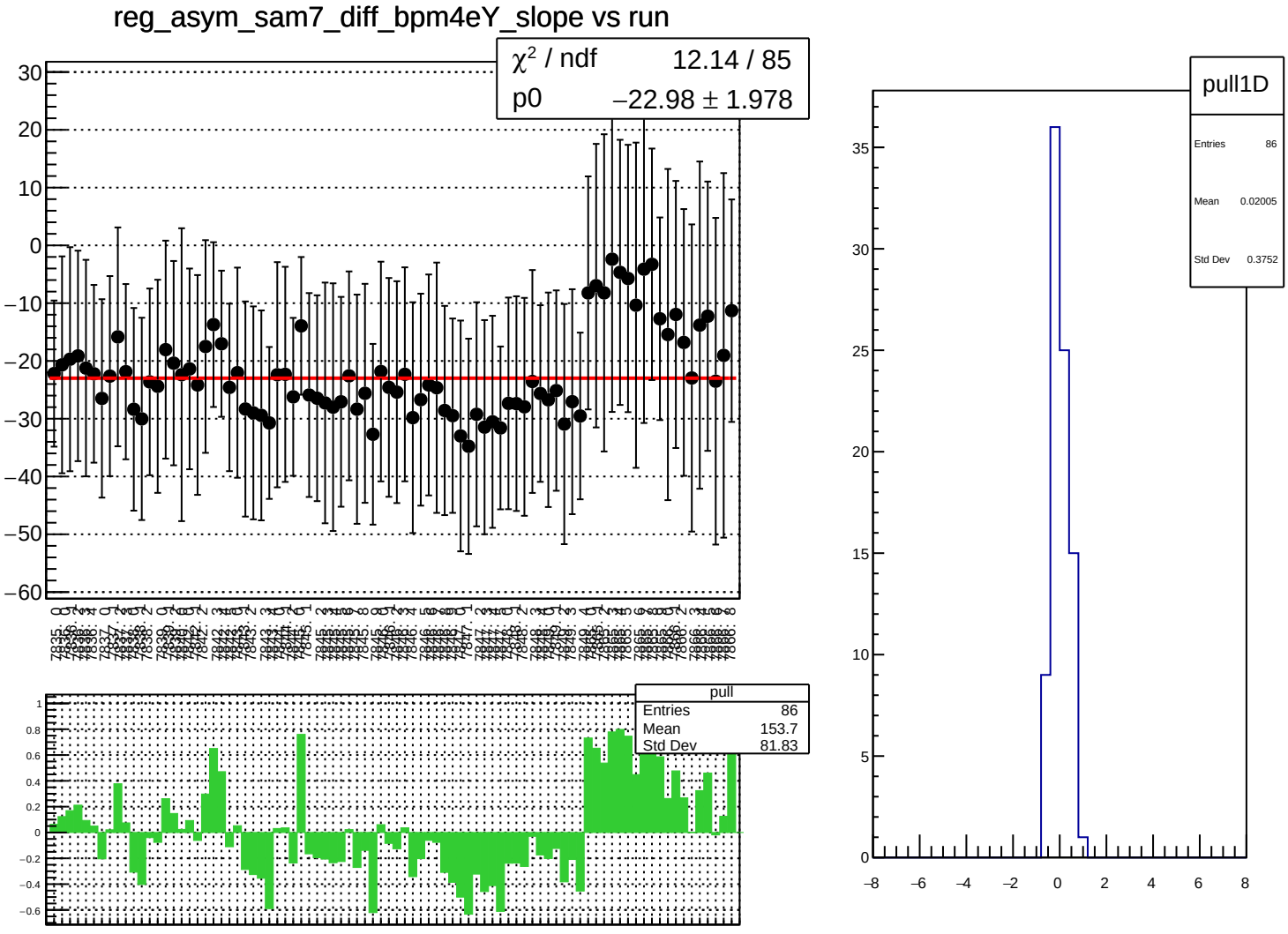

pull1D
Entries 86
Mean −0.5342
Std Dev 1.59

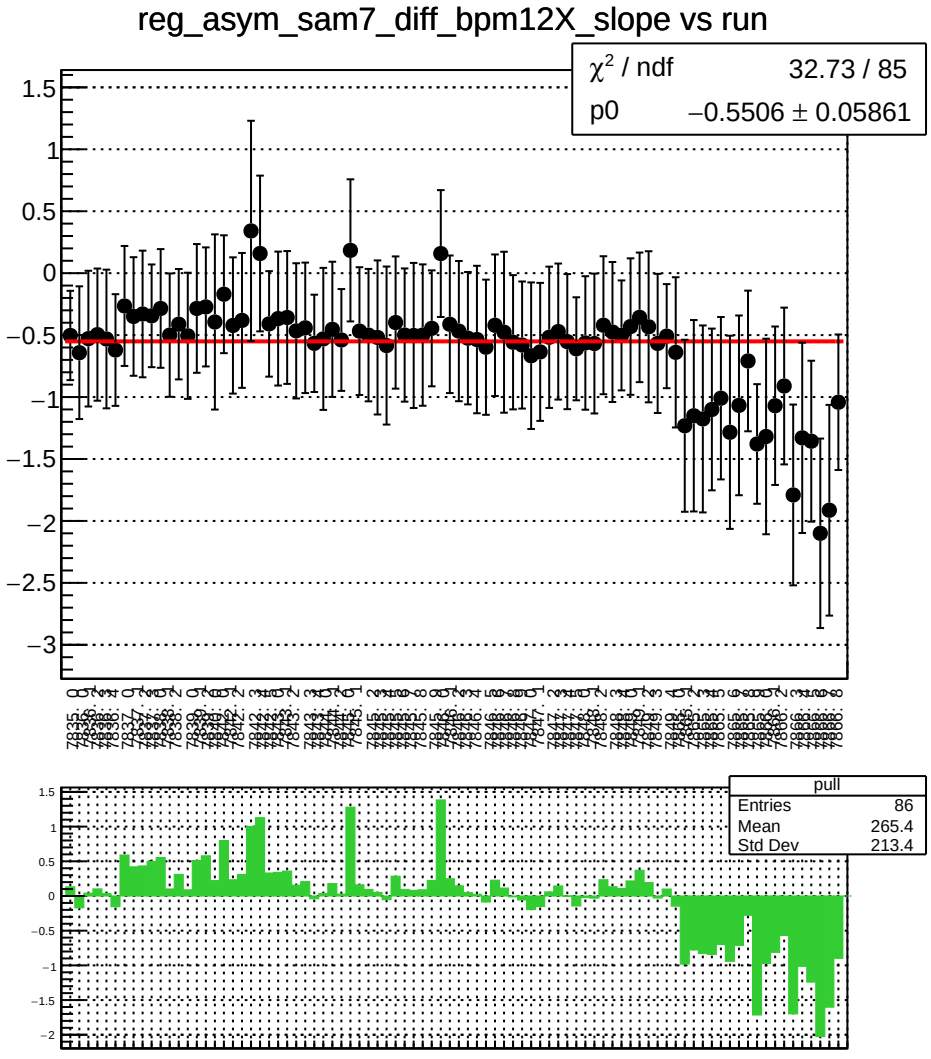

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 12.75 / 85
p0 16.7 ± 1.725
pull
Entries 86
Mean 305.9
Std Dev 235.9

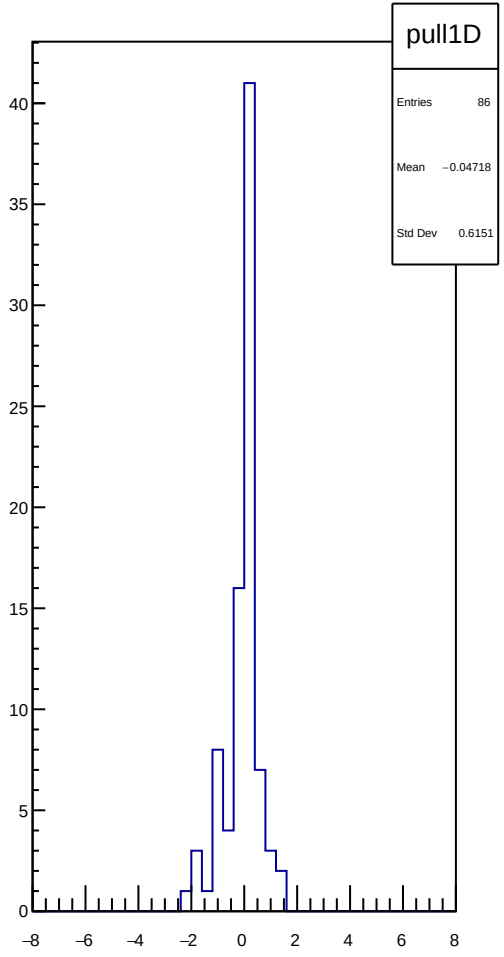

pull1D
Entries 86
Mean −0.007912
Std Dev 0.3849

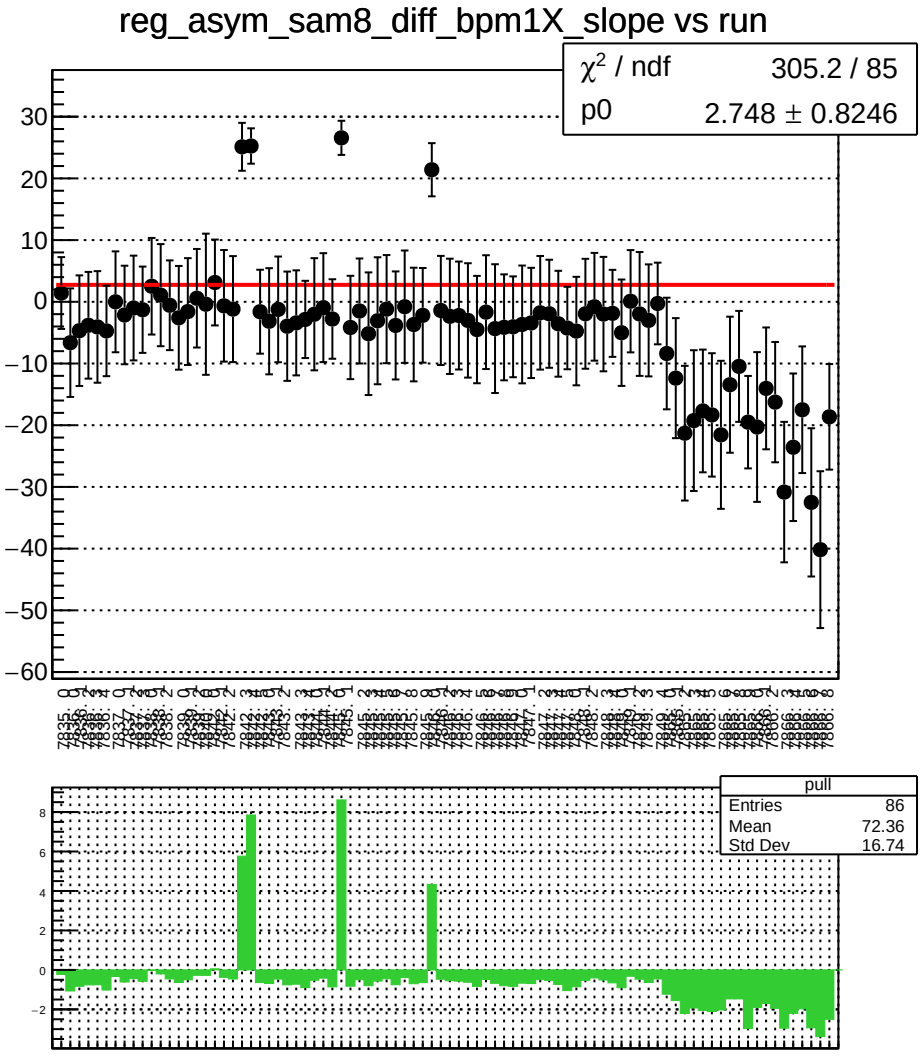

reg_asym_sam7_diff_bpm4eX_slope vs run
χ^2 / ndf 282.8 / 85
p0 −49.29 ± 1.315
pull
Entries 86
Mean 69.91
Std Dev 20.94

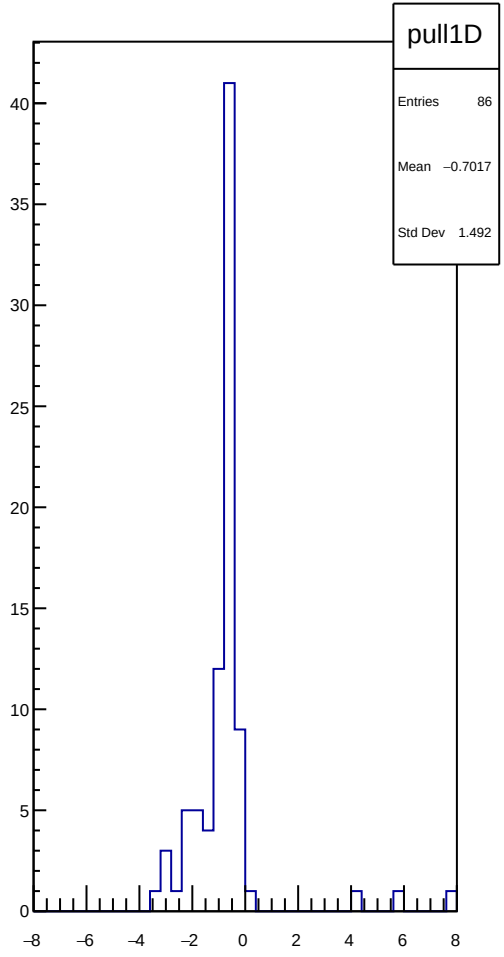

pull1D
Entries 86
Mean 0.6575
Std Dev 1.69

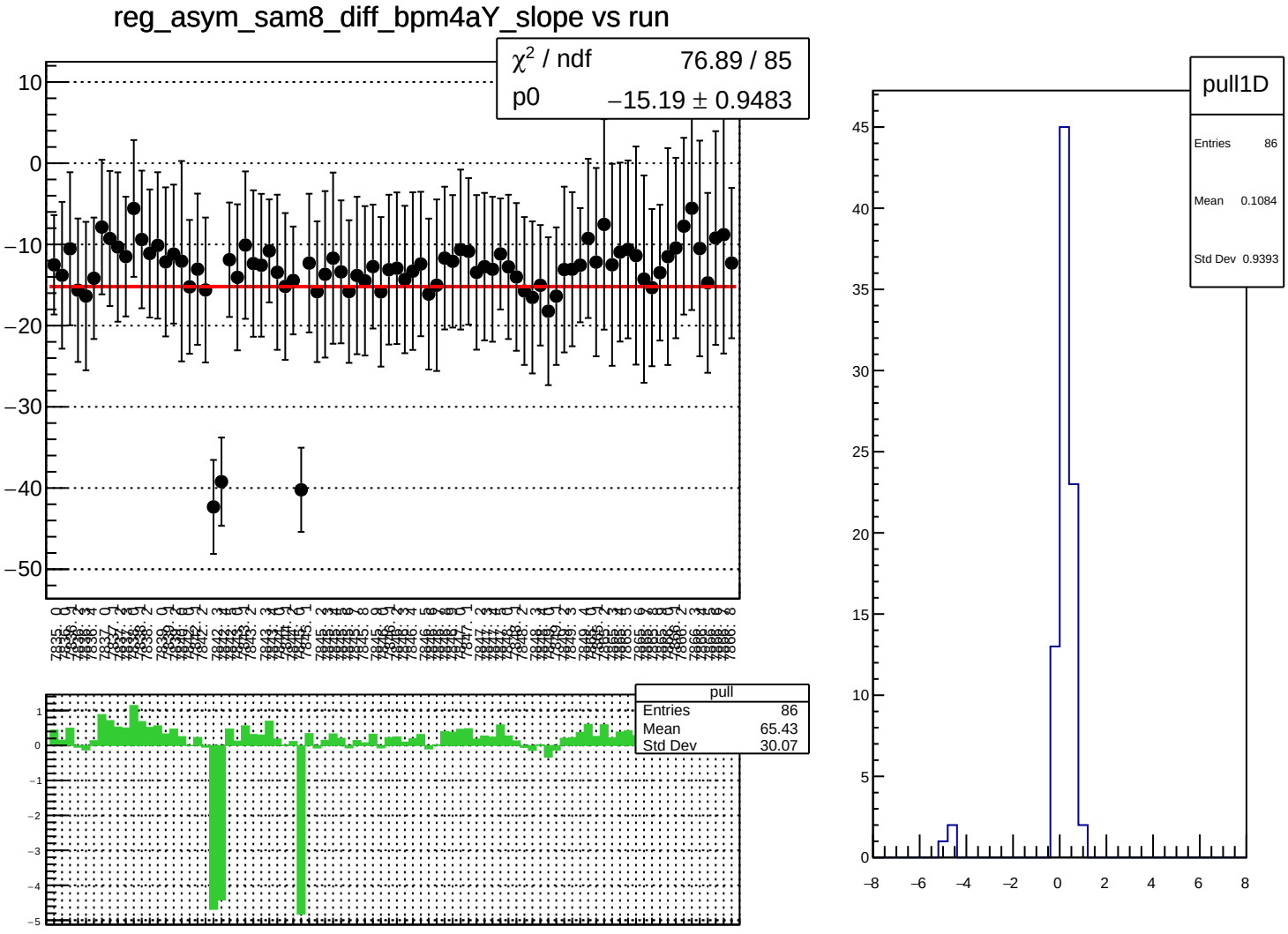

reg_asym_sam7_diff_bpm4eY_slope vs run
χ^2 / ndf 12.14 / 85
p0 −22.98 ± 1.978
pull
Entries 86
Mean 153.7
Std Dev 81.83
pull1D
Entries 86
Mean 0.02005
Std Dev 0.3752

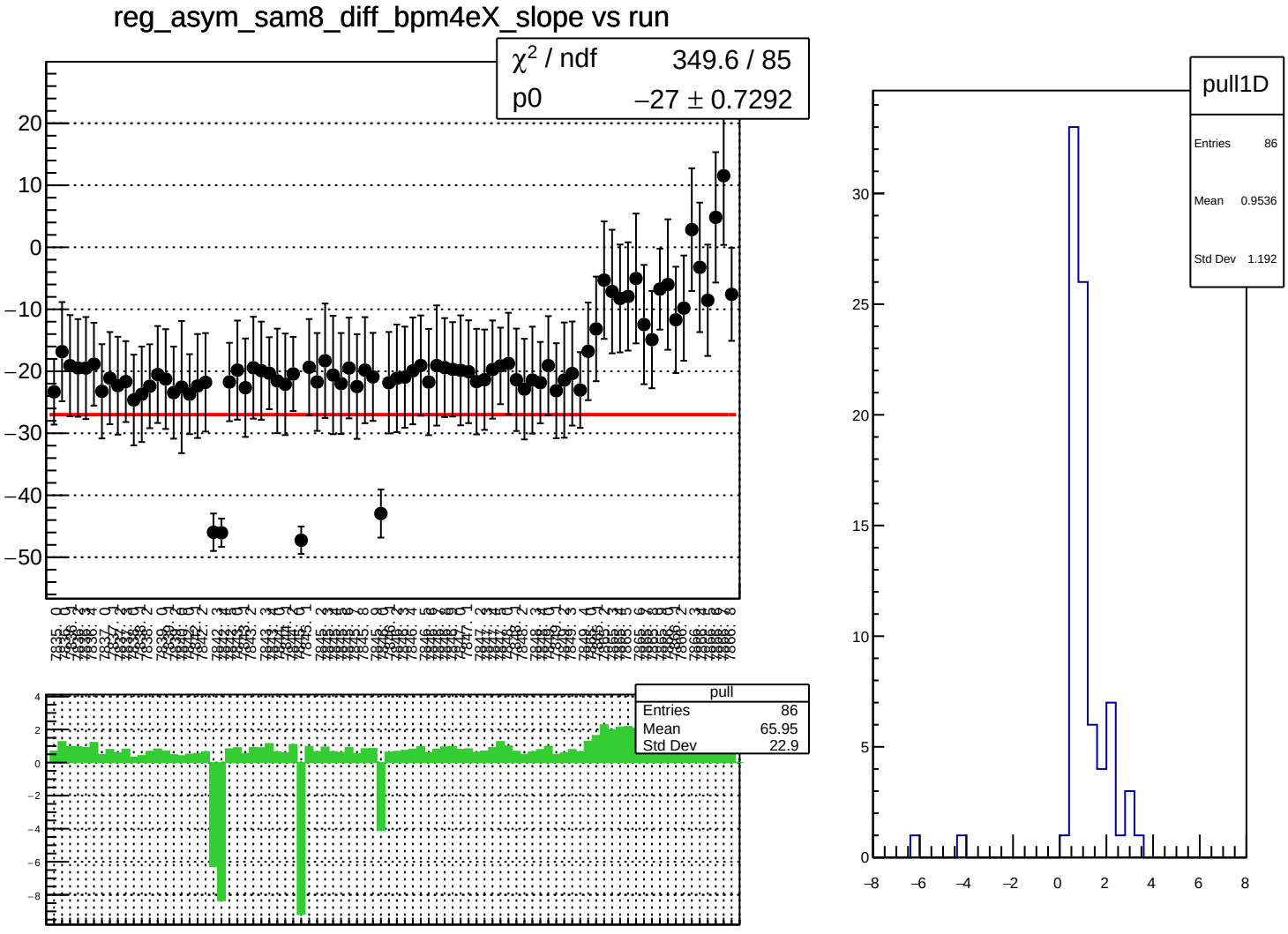

reg_asym_sam7_diff_bpm12X_slope vs run
χ^2 / ndf 32.73 / 85
p0 −0.5506 ± 0.05861
pull
Entries 86
Mean 265.4
Std Dev 213.4

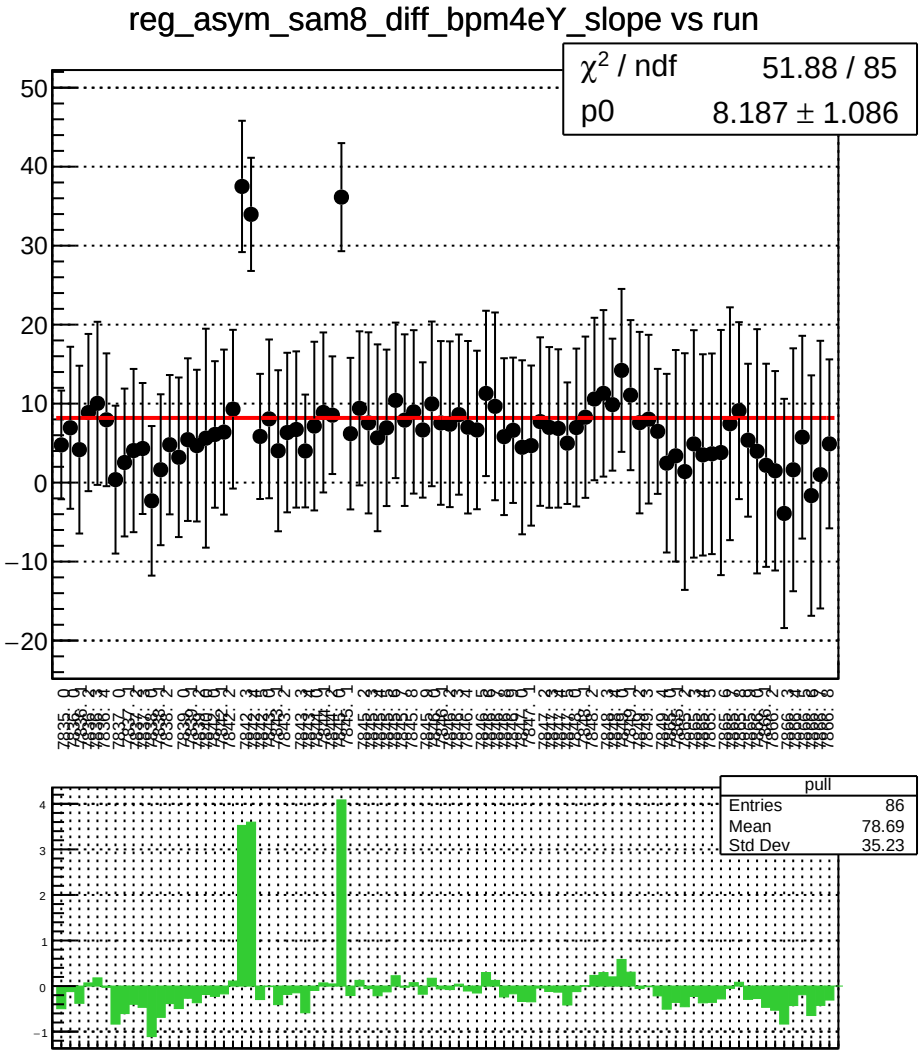

pull1D
Entries 86
Mean −0.04718
Std Dev 0.6151

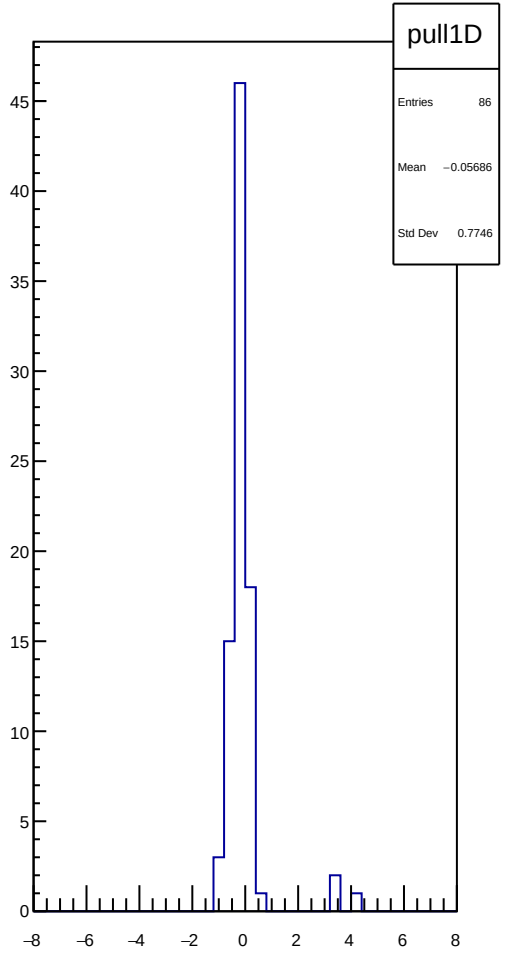

reg_asym_sam8_diff_bpm1X_slope vs run
χ^2 / ndf 305.2 / 85
p0 2.748 ± 0.8246
pull
Entries 86
Mean 72.36
Std Dev 16.74

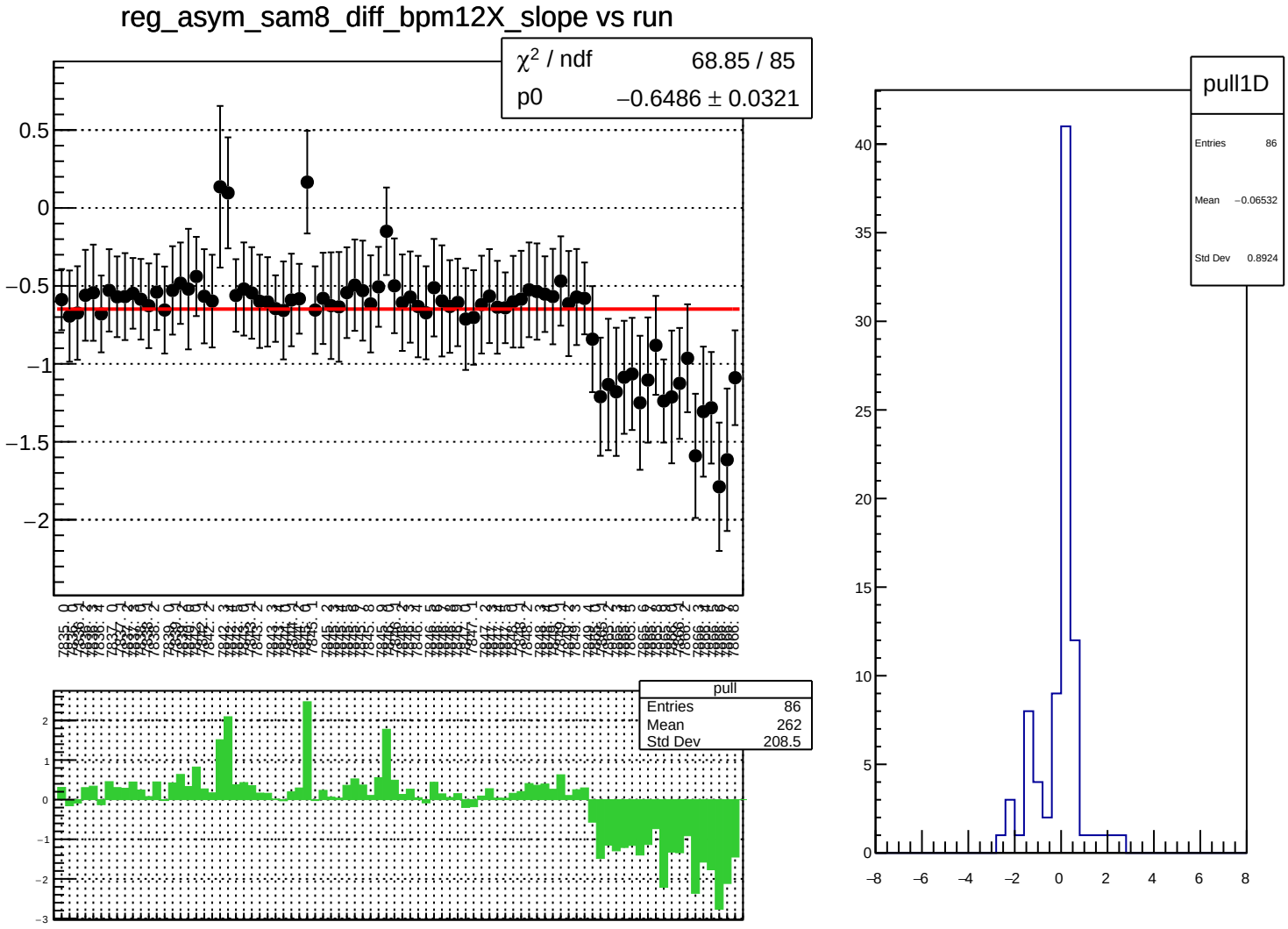

pull1D
Entries 86
Mean −0.7017
Std Dev 1.492

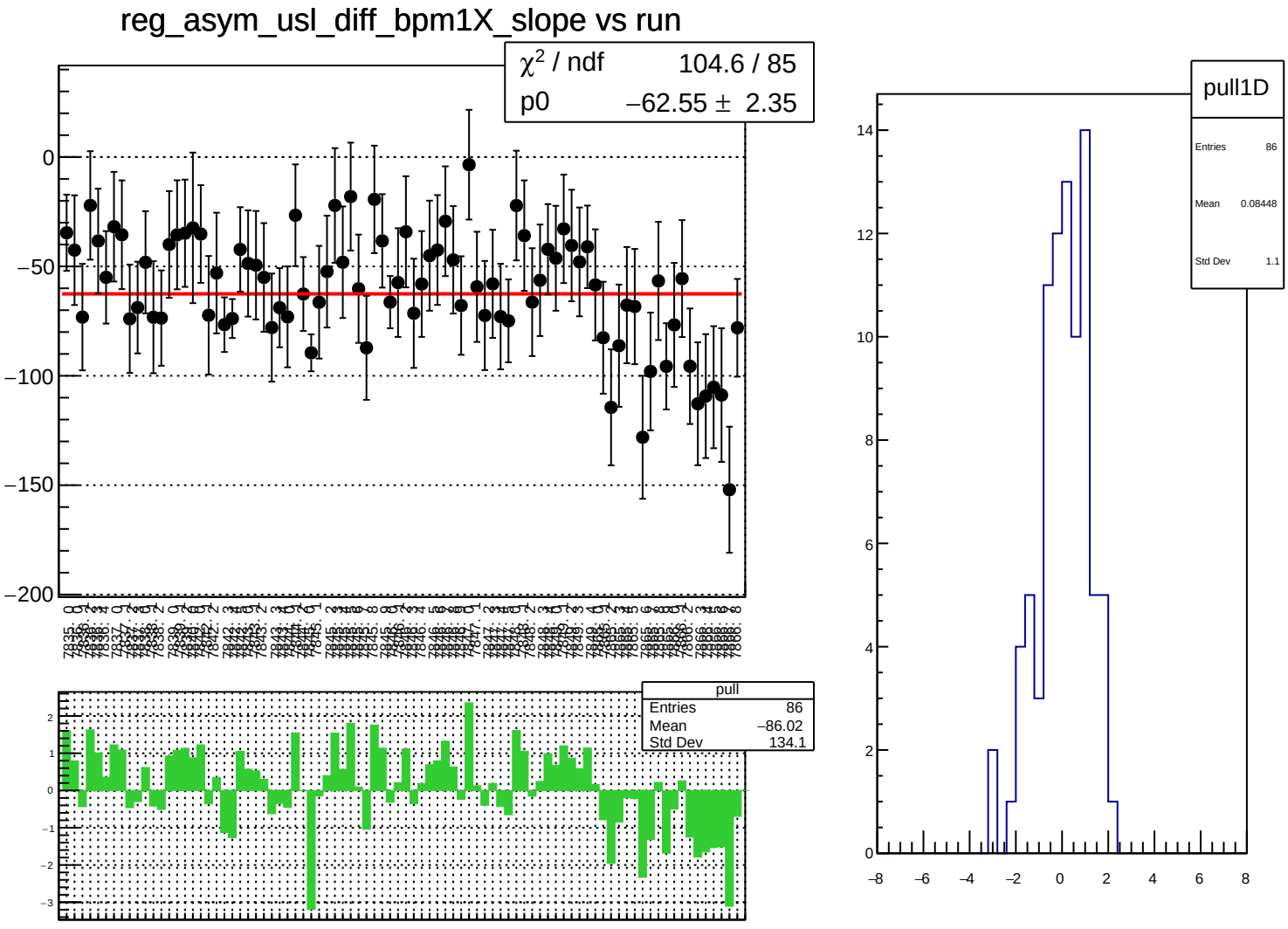

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 76.89 / 85
p0 −15.19 ± 0.9483
pull
Entries 86
Mean 65.43
Std Dev 30.07
pull1D
Entries 86
Mean 0.1084
Std Dev 0.9393

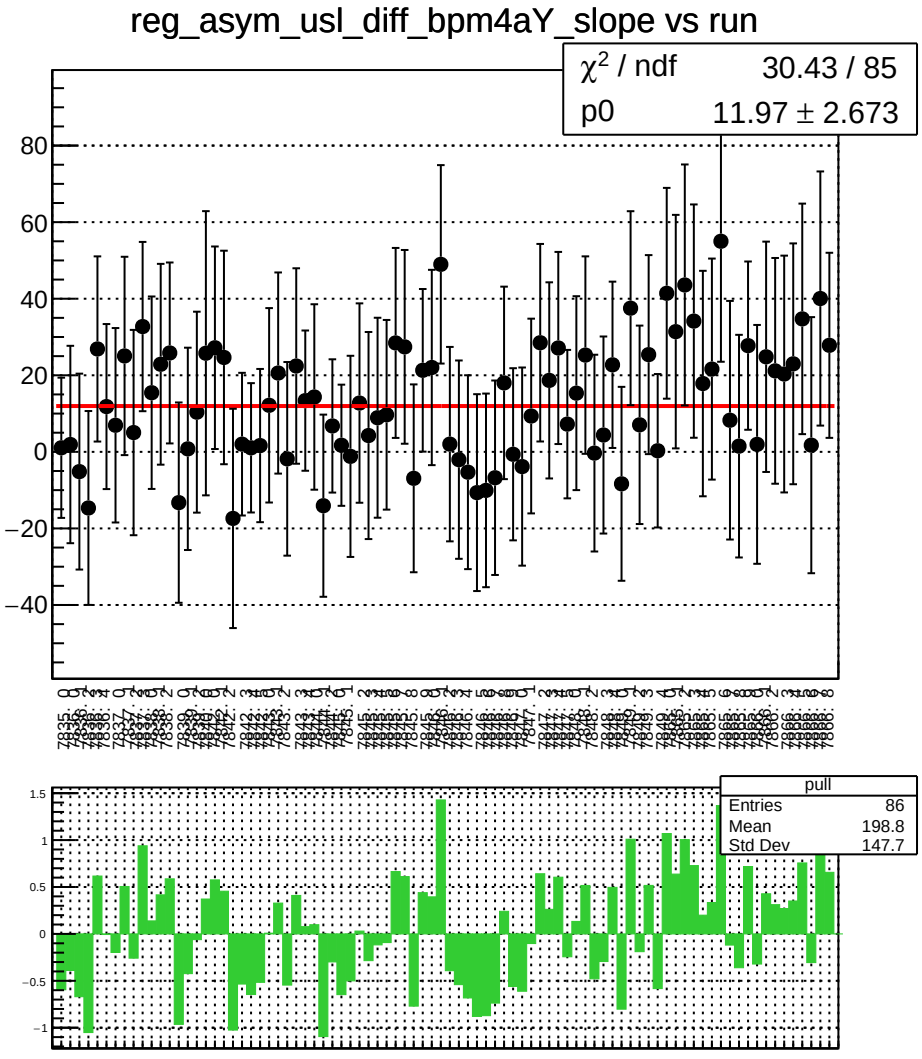

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 349.6 / 85
p0 −27 ± 0.7292
pull
Entries 86
Mean 65.95
Std Dev 22.9
pull1D
Entries 86
Mean 0.9536
Std Dev 1.192

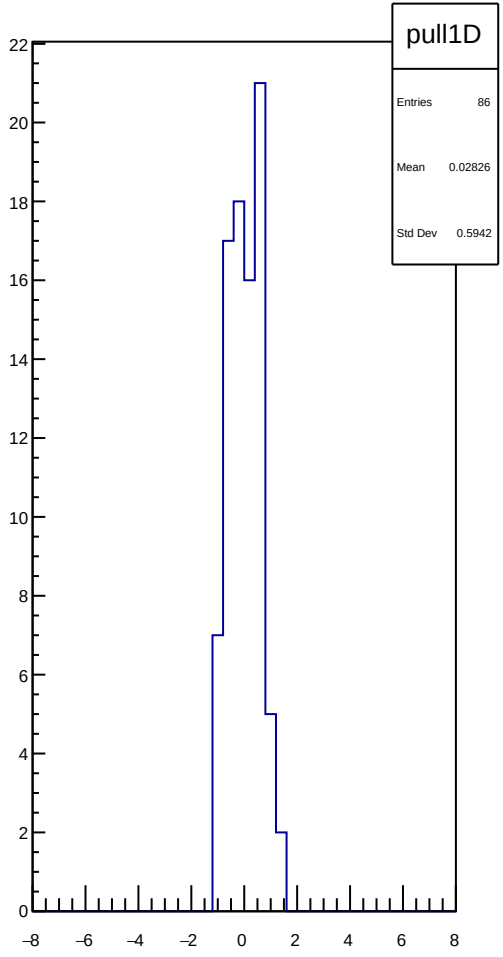

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 51.88 / 85
p0 8.187 ± 1.086
pull
Entries 86
Mean 78.69
Std Dev 35.23

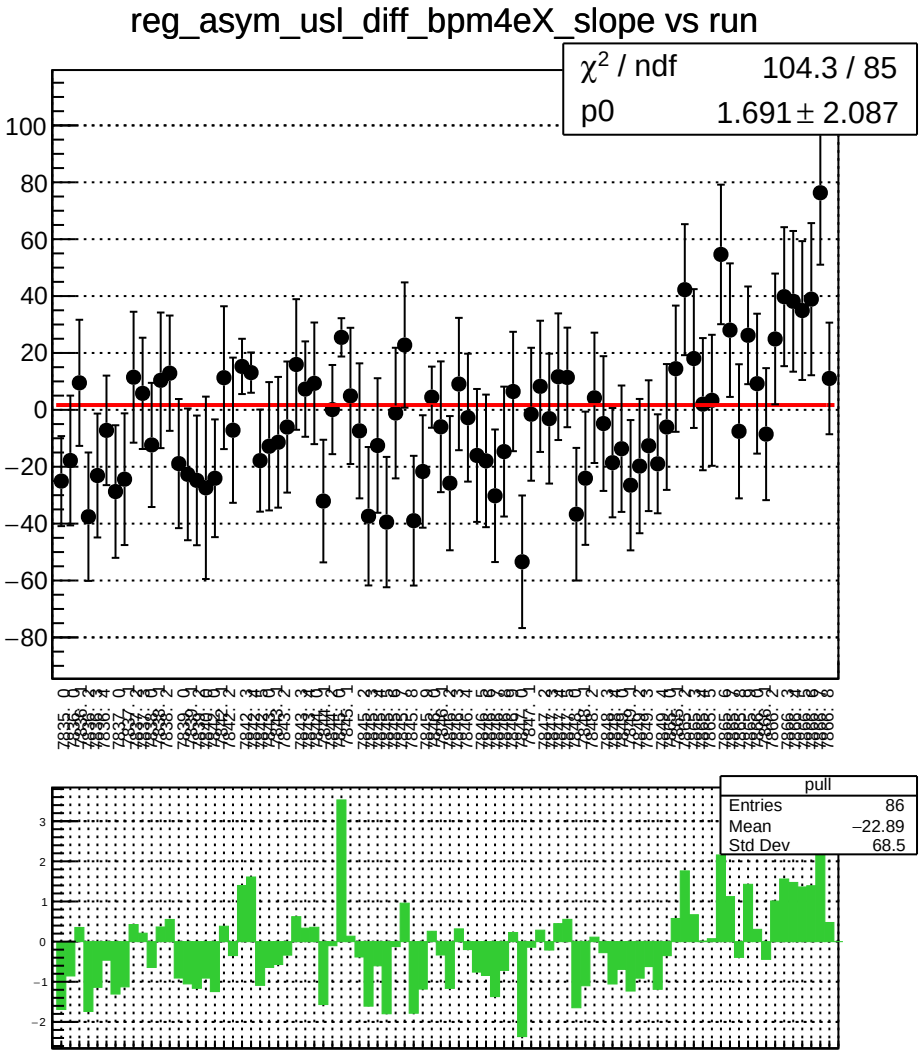

pull1D
Entries 86
Mean −0.05686
Std Dev 0.7746

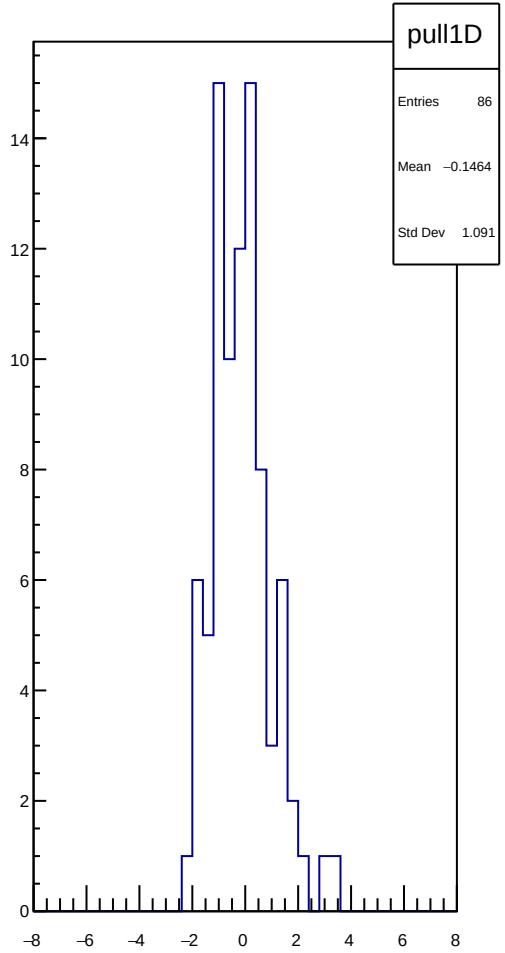

reg_asym_sam8_diff_bpm12X_slope vs run
χ^2 / ndf 68.85 / 85
p0 −0.6486 ± 0.0321
pull
Entries 86
Mean 262
Std Dev 208.5
pull1D
Entries 86
Mean −0.06532
Std Dev 0.8924

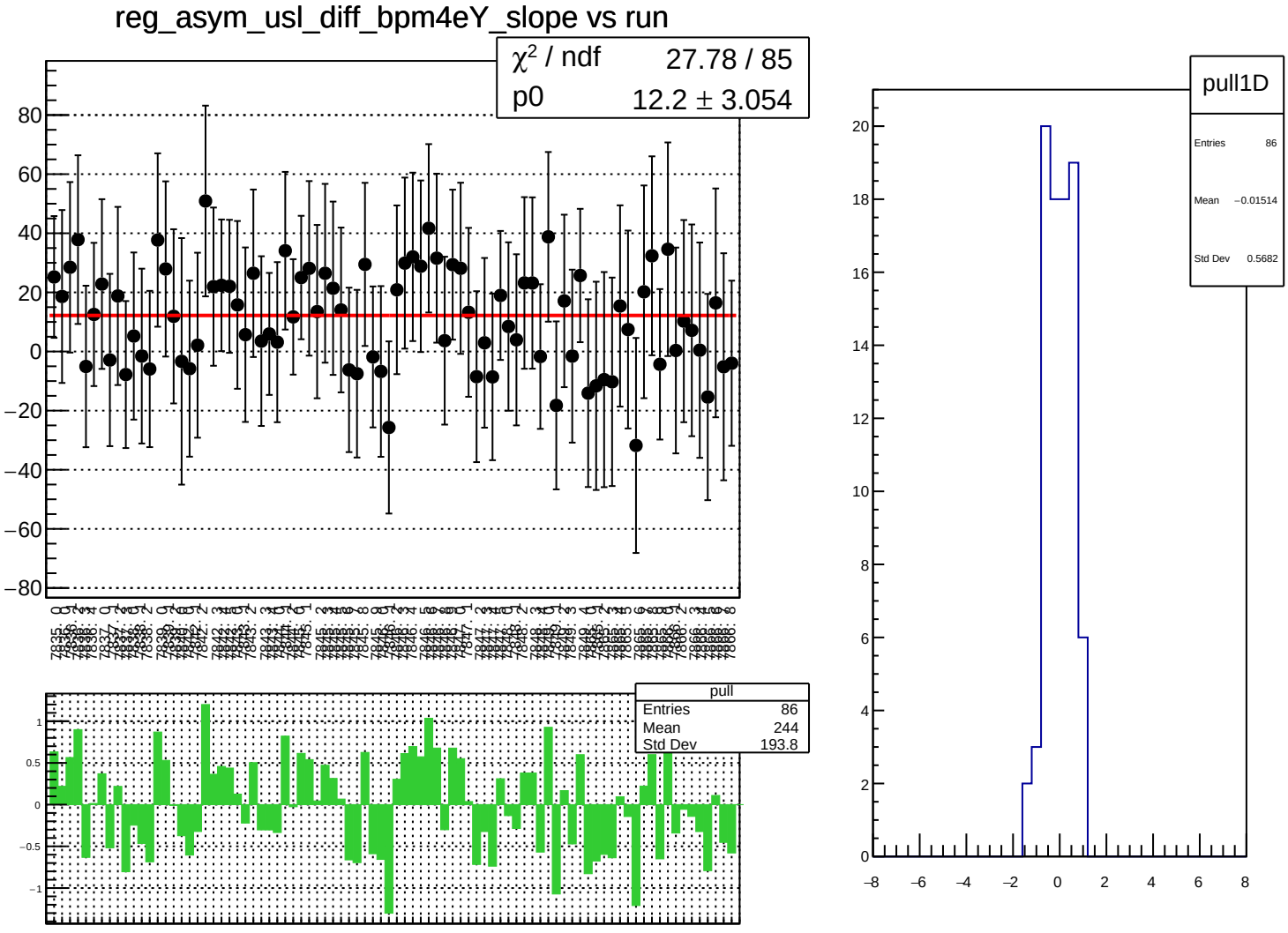

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 104.6 / 85
p0 −62.55 ± 2.35
pull
Entries 86
Mean −86.02
Std Dev 134.1
pull1D
Entries 86
Mean 0.08448
Std Dev 1.1

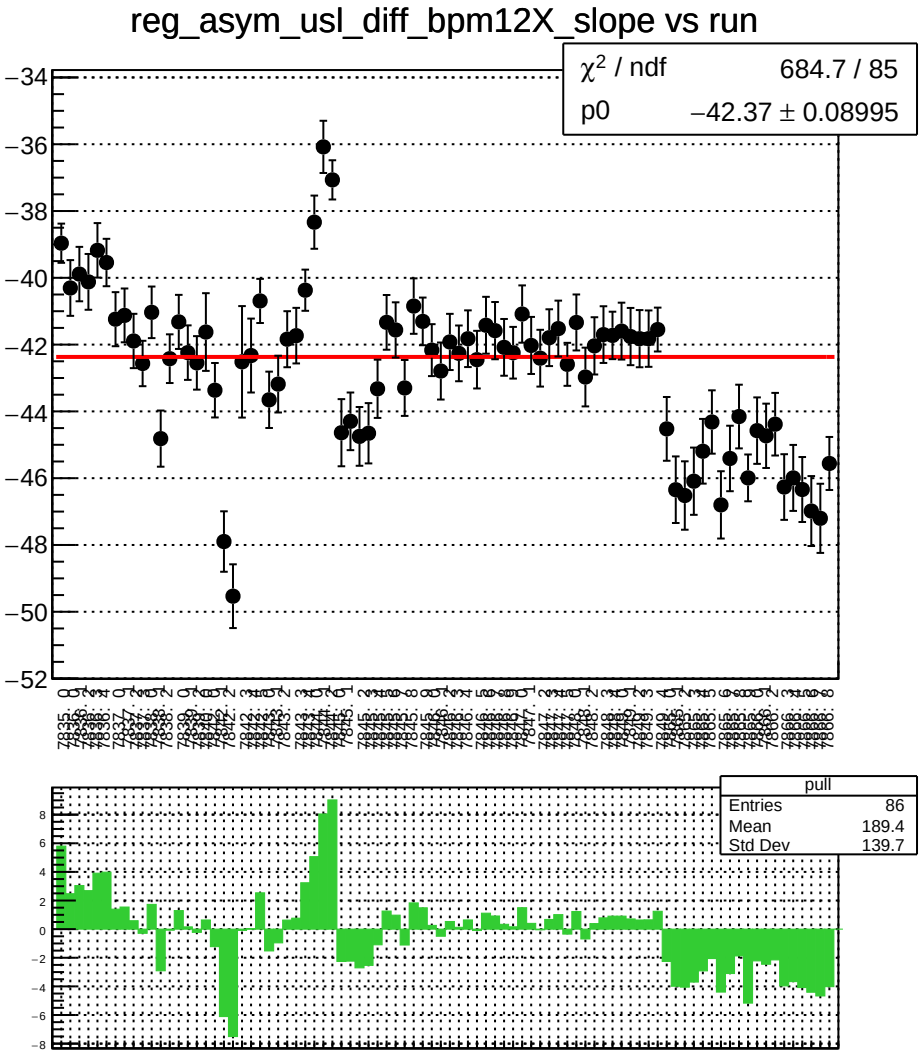

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 30.43 / 85
p0 11.97 ± 2.673
pull
Entries 86
Mean 198.8
Std Dev 147.7

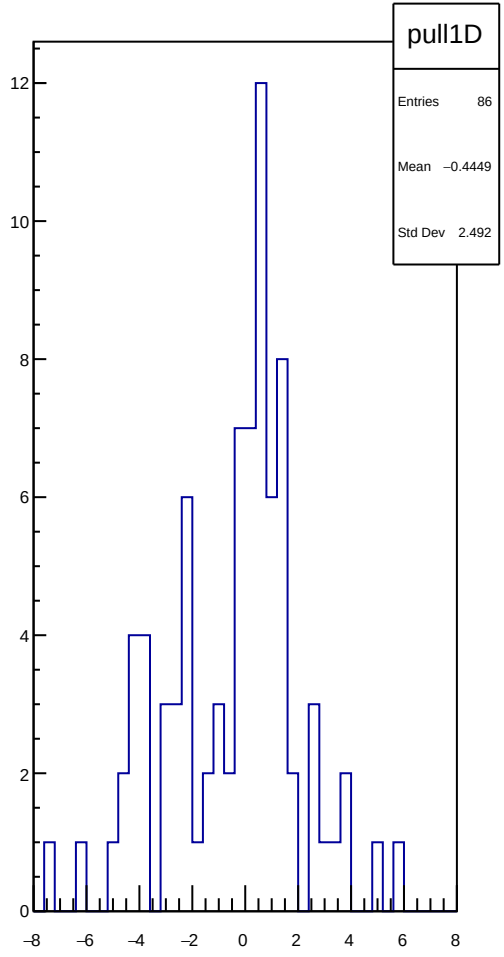

pull1D
Entries 86
Mean 0.02826
Std Dev 0.5942

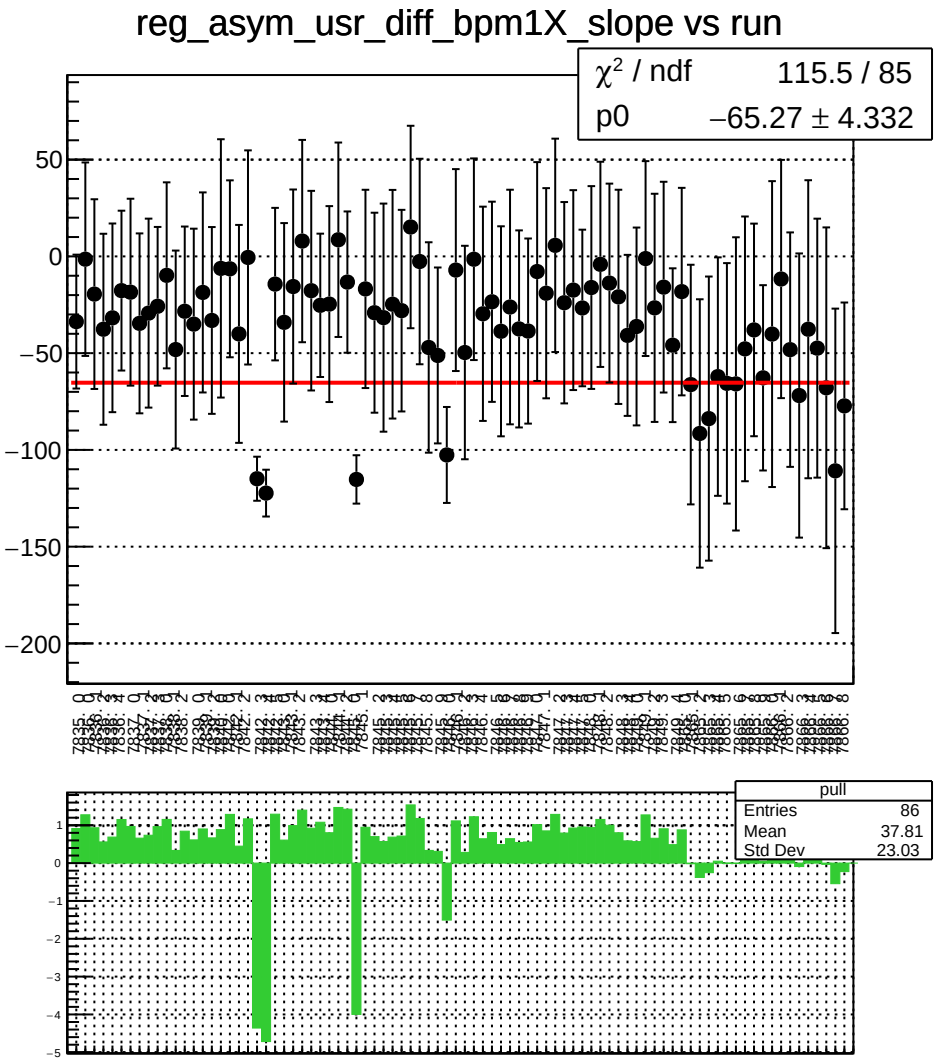

reg_asym_usl_diff_bpm4eX_slope vs run
χ^2 / ndf 104.3 / 85
p0 1.691 ± 2.087
pull
Entries 86
Mean −22.89
Std Dev 68.5

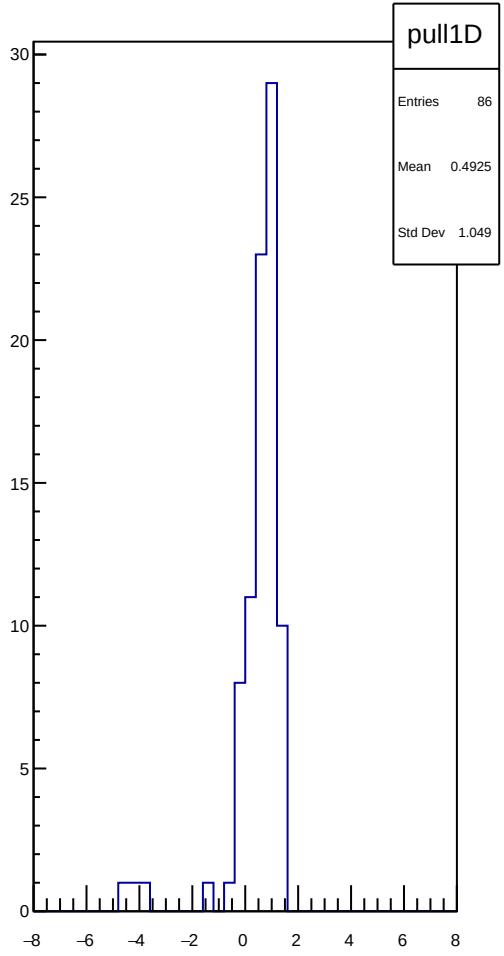

pull1D
Entries 86
Mean −0.1464
Std Dev 1.091

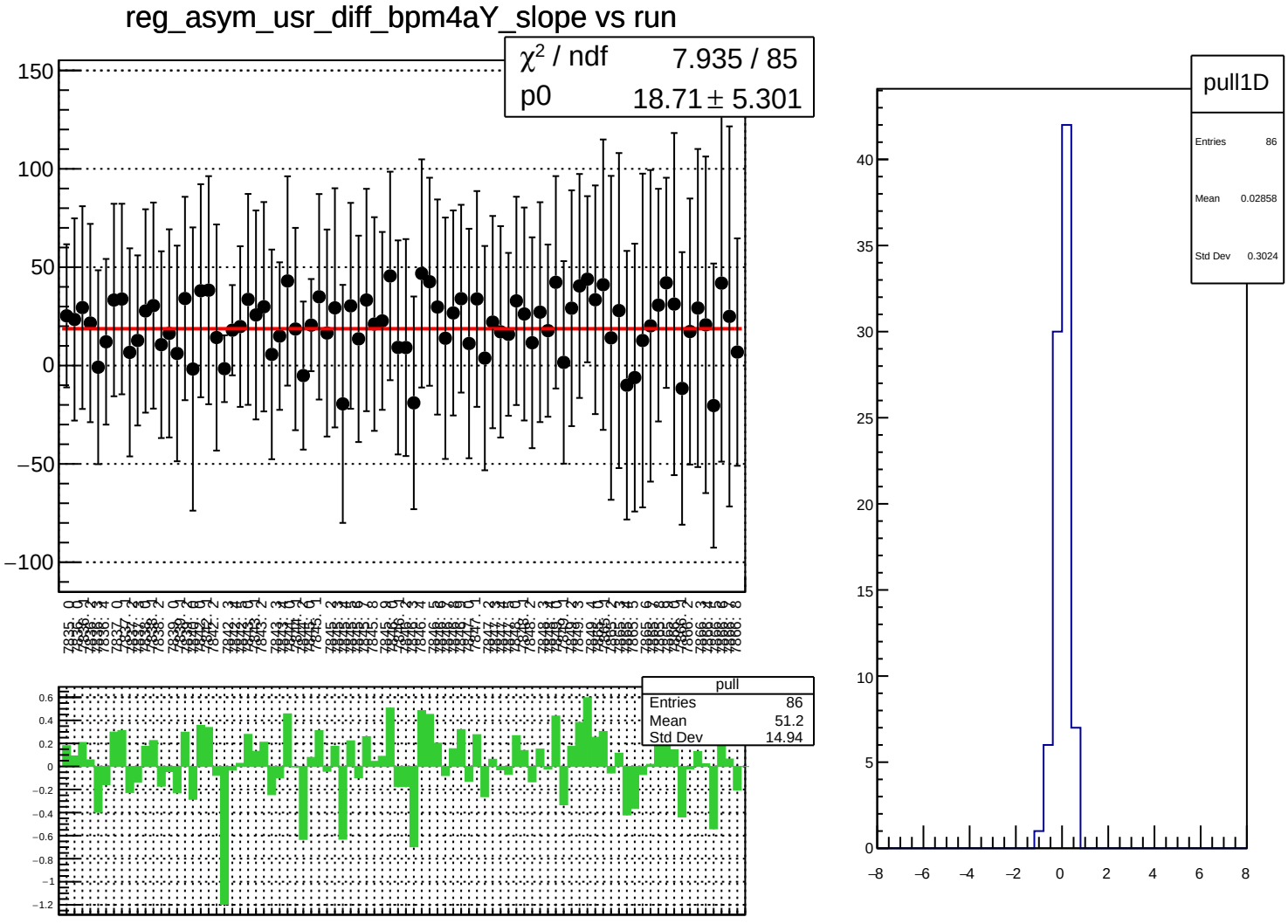

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 27.78 / 85
p0 12.2 ± 3.054
pull
Entries 86
Mean 244
Std Dev 193.8
pull1D
Entries 86
Mean −0.01514
Std Dev 0.5682

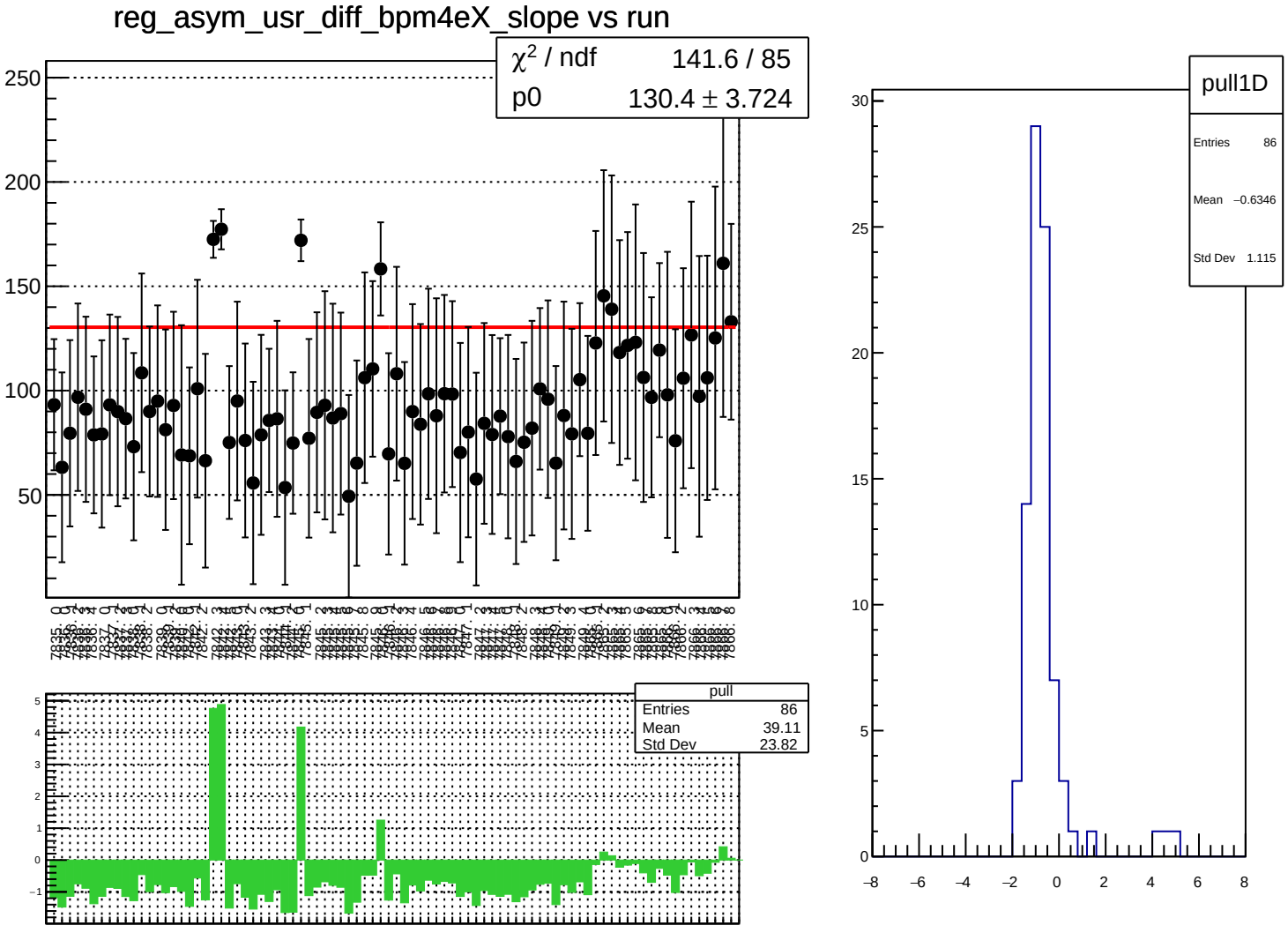

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 684.7 / 85
p0 −42.37 ± 0.08995
pull
Entries 86
Mean 189.4
Std Dev 139.7

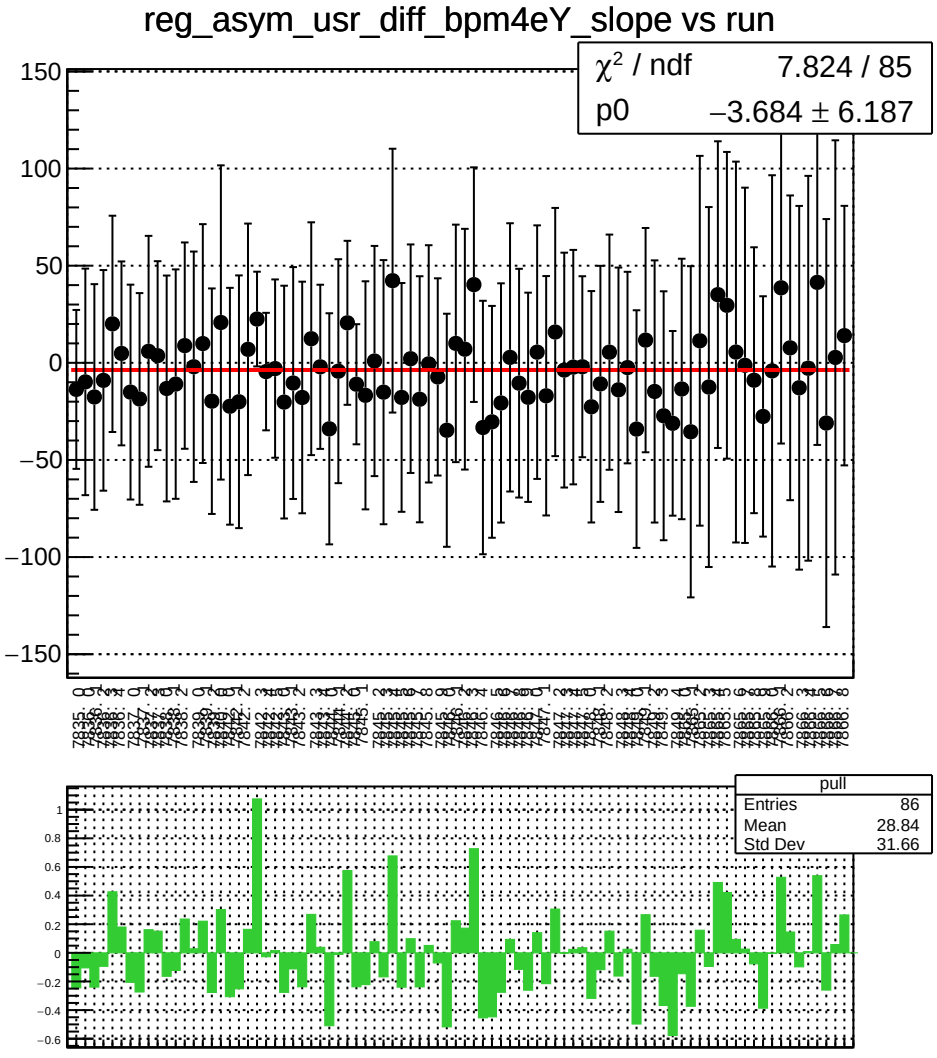

pull1D
Entries 86
Mean −0.4449
Std Dev 2.492

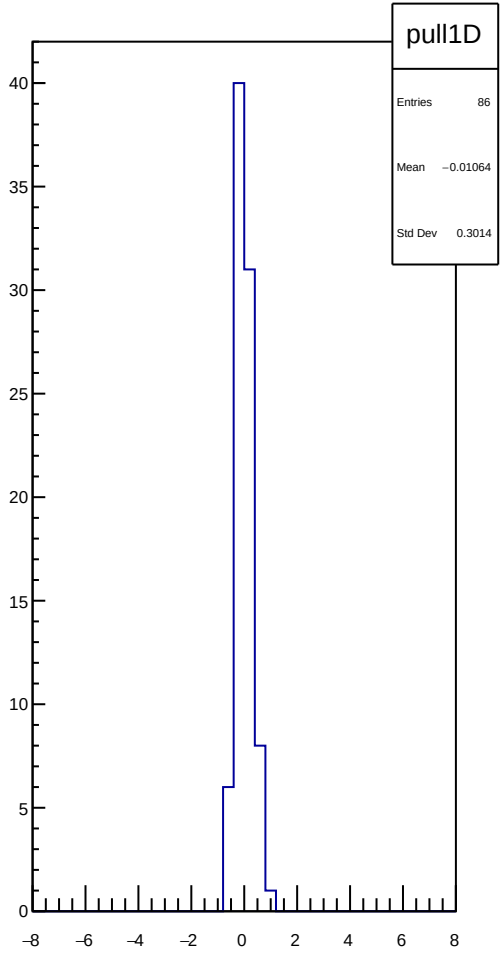

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 115.5 / 85
p0 −65.27 ± 4.332
pull
Entries 86
Mean 37.81
Std Dev 23.03

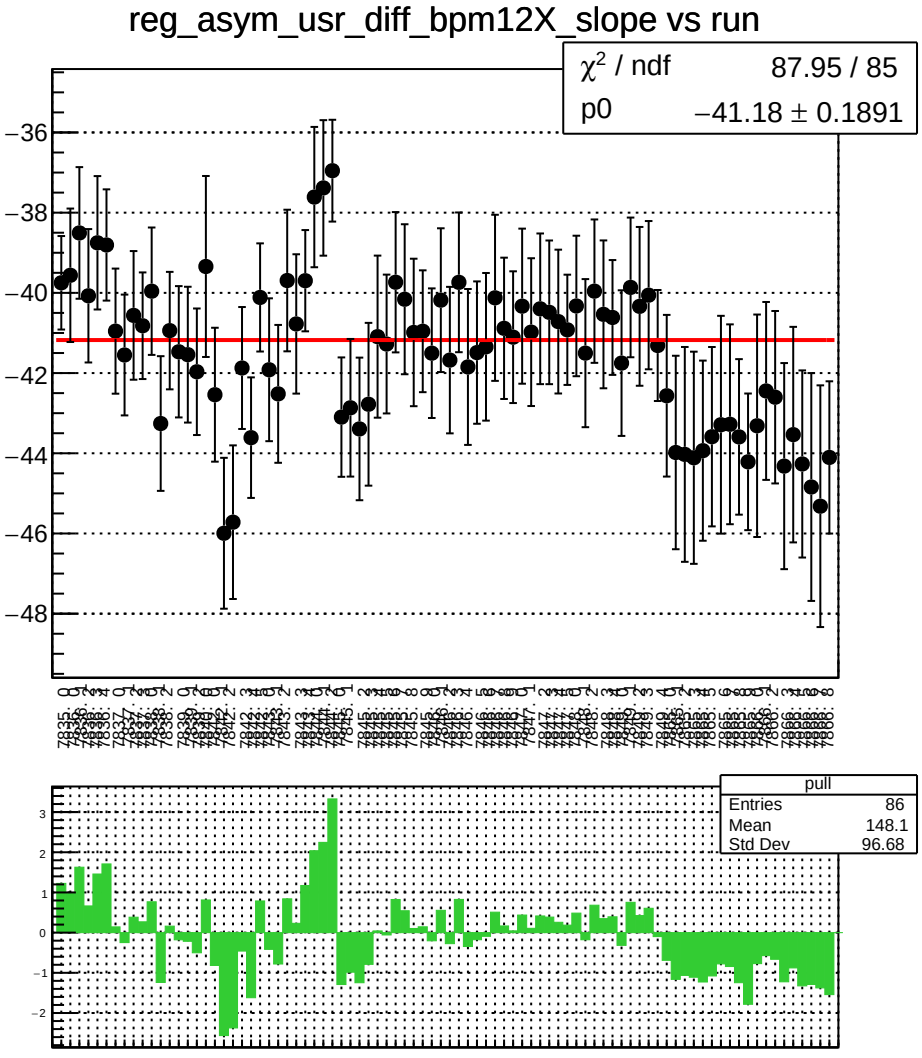

pull1D
Entries 86
Mean 0.4925
Std Dev 1.049

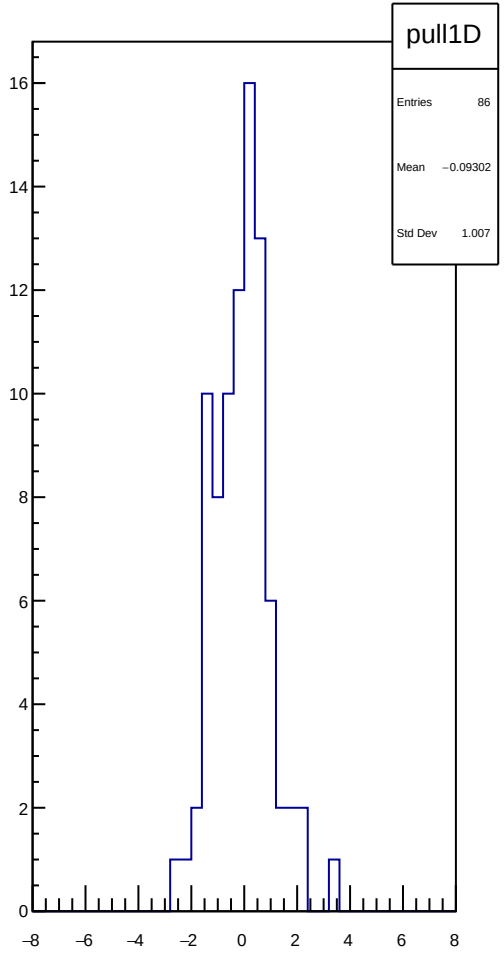

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 7.935 / 85
p0 18.71 ± 5.301
pull
Entries 86
Mean 51.2
Std Dev 14.94
pull1D
Entries 86
Mean 0.02858
Std Dev 0.3024

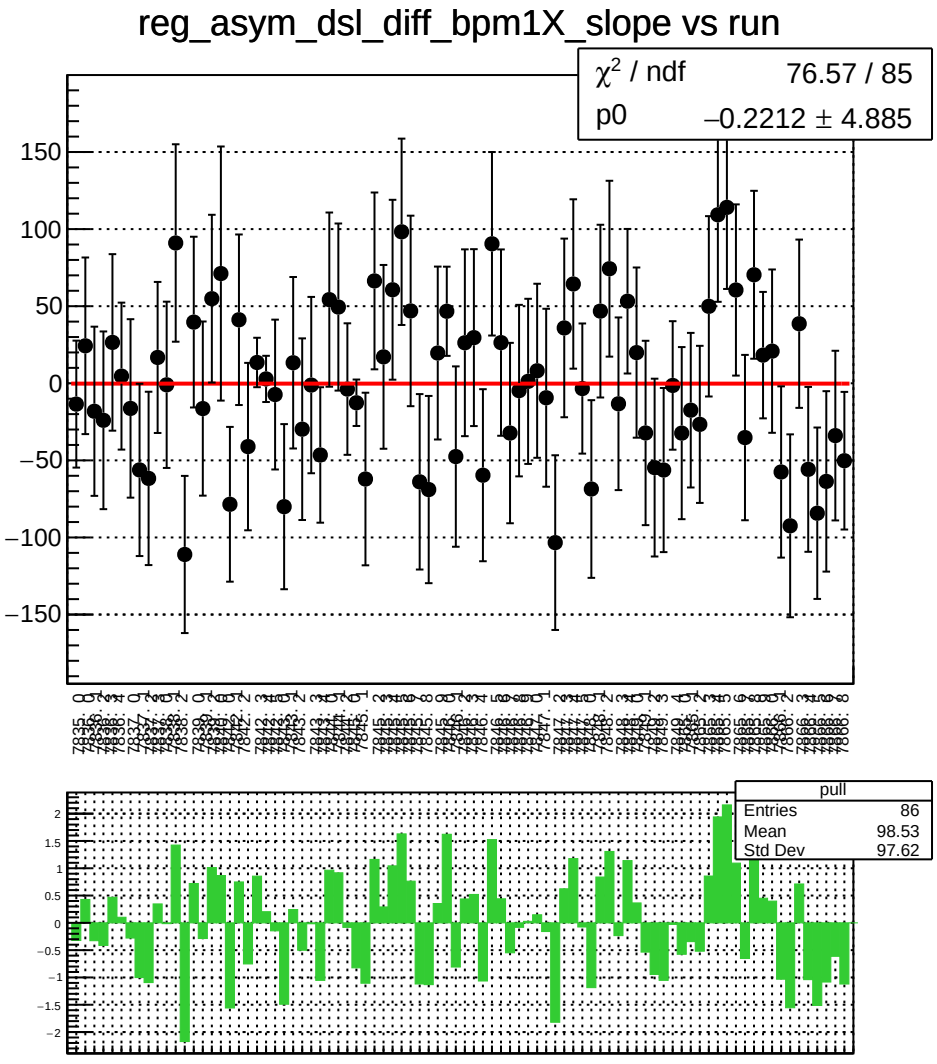

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 141.6 / 85
p0 130.4 ± 3.724
pull
Entries 86
Mean 39.11
Std Dev 23.82
pull1D
Entries 86
Mean −0.6346
Std Dev 1.115

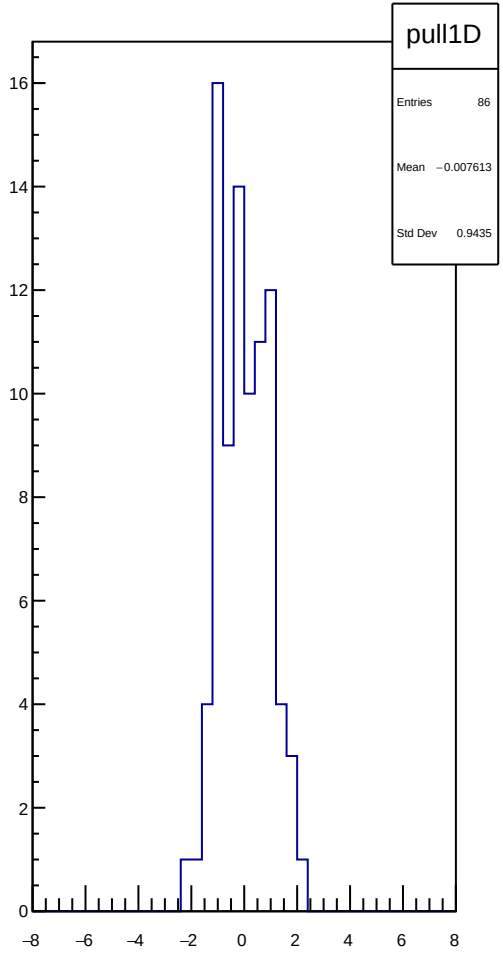

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 7.824 / 85
p0 −3.684 ± 6.187
pull
Entries 86
Mean 28.84
Std Dev 31.66

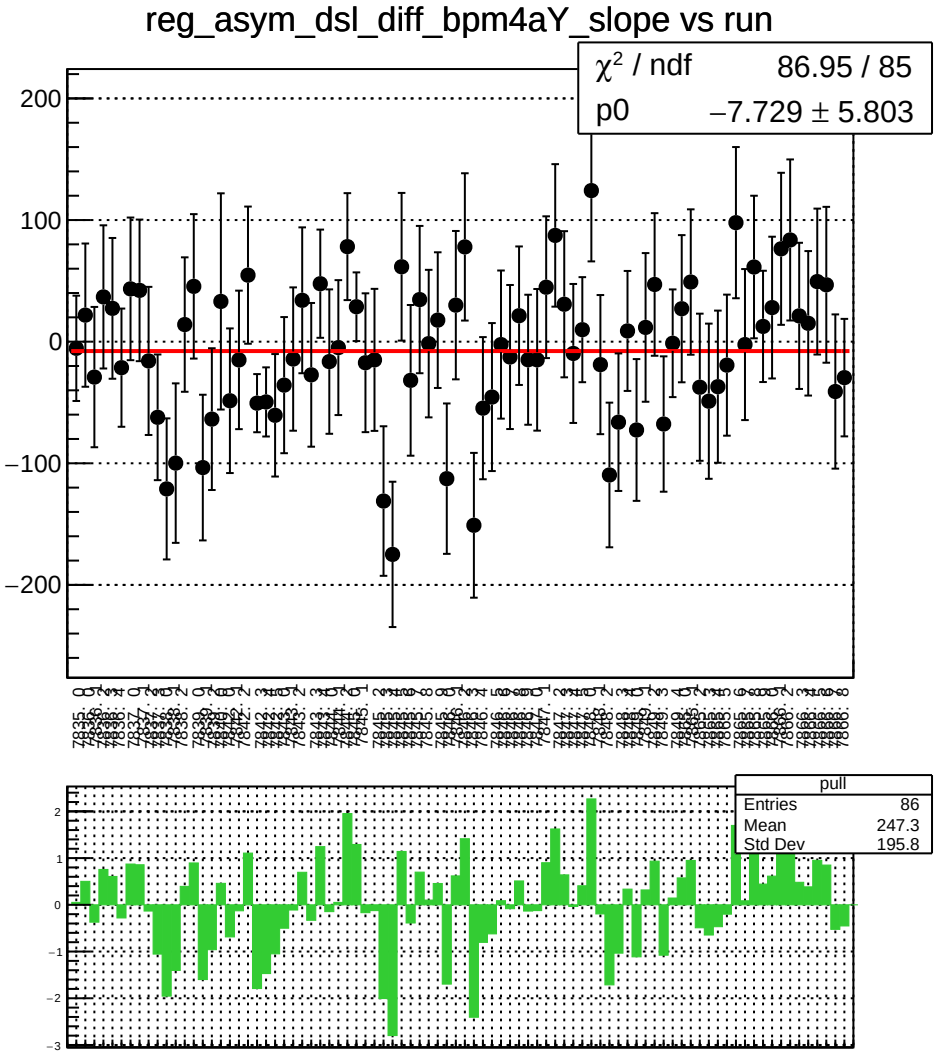

pull1D
Entries 86
Mean −0.01064
Std Dev 0.3014

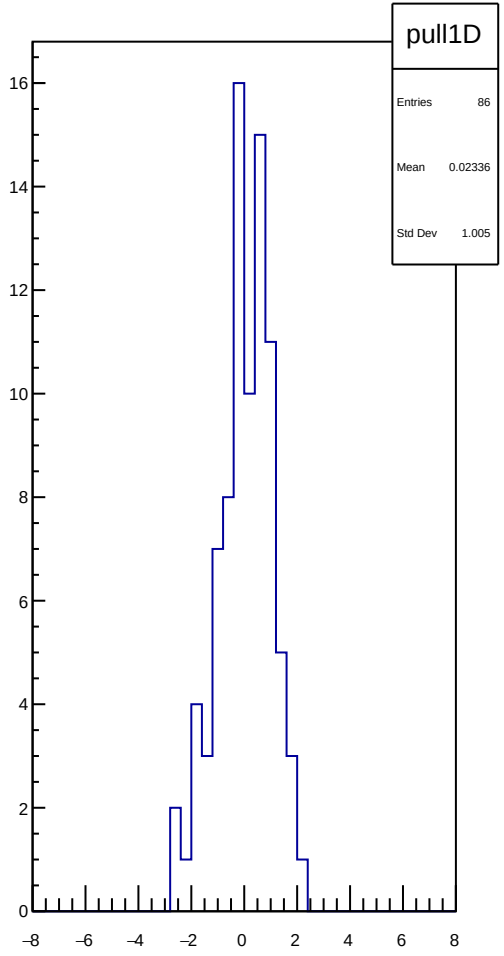

reg_asym_usr_diff_bpm12X_slope vs run
χ^2 / ndf 87.95 / 85
p0 −41.18 ± 0.1891
pull
Entries 86
Mean 148.1
Std Dev 96.68

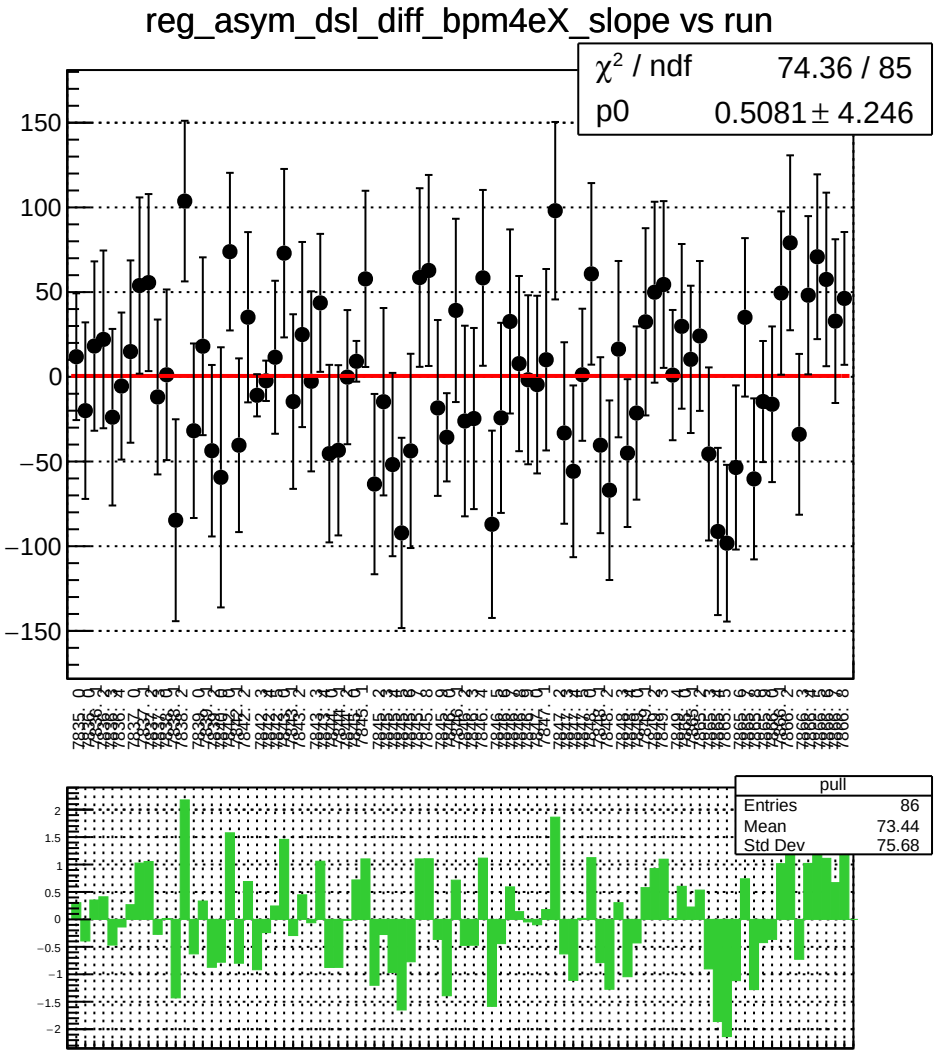

pull1D
Entries 86
Mean −0.09302
Std Dev 1.007

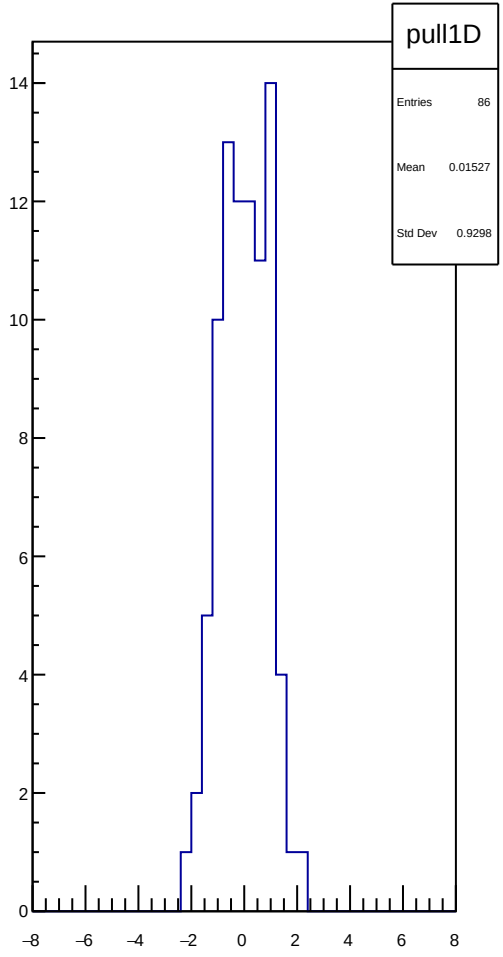

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 76.57 / 85
p0 −0.2212 ± 4.885
pull
Entries 86
Mean 98.53
Std Dev 97.62

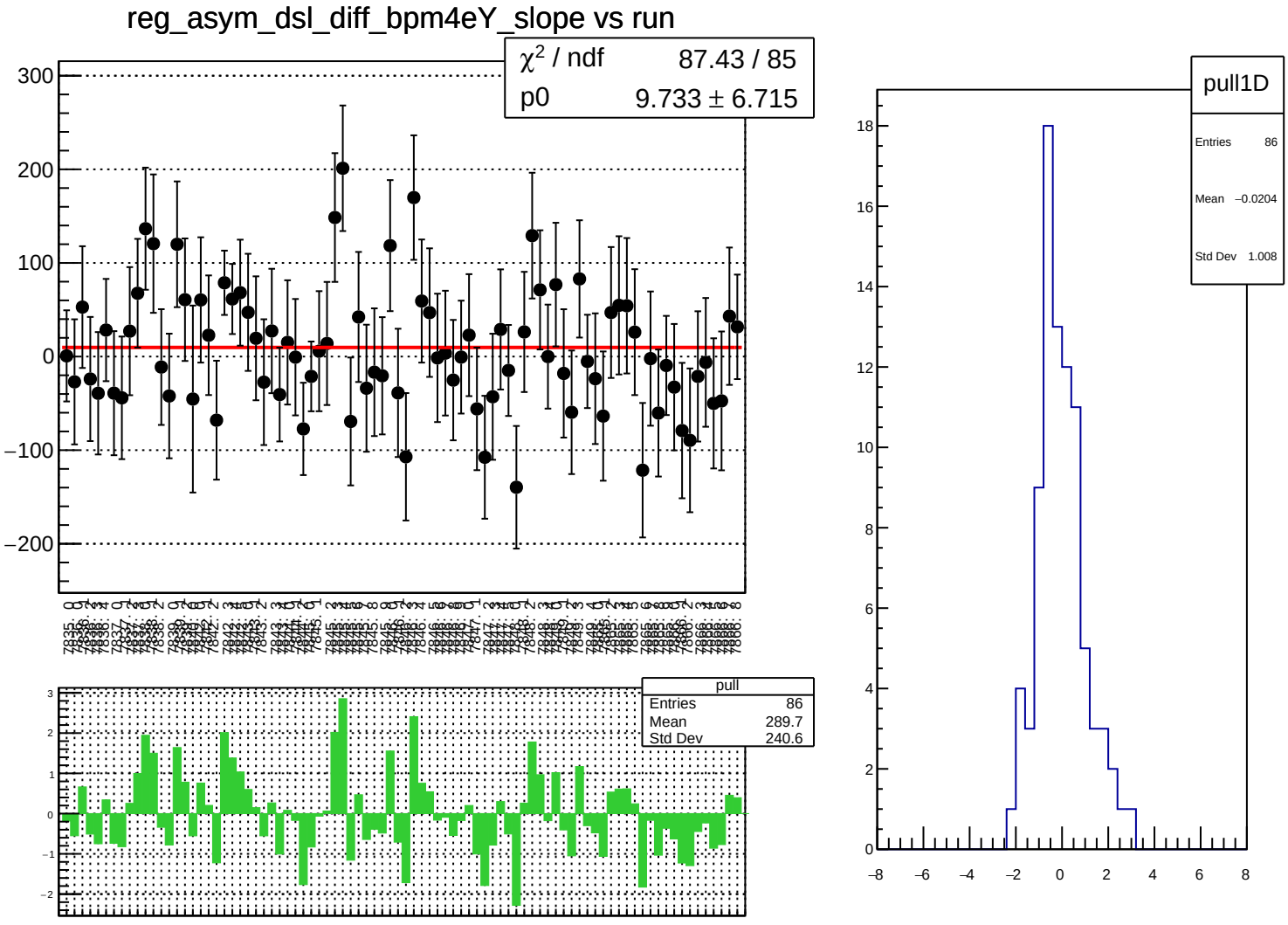

pull1D
Entries 86
Mean −0.007613
Std Dev 0.9435

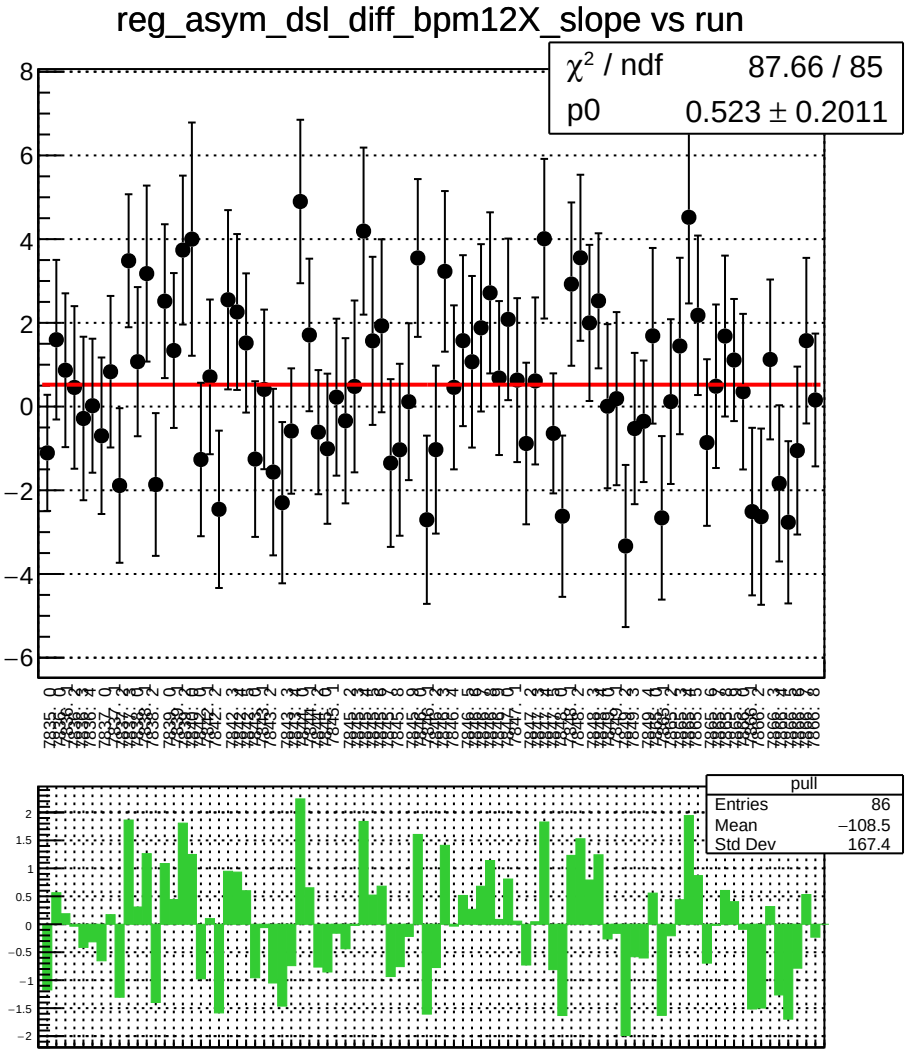

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 86.95 / 85
p0 −7.729 ± 5.803
pull
Entries 86
Mean 247.3
Std Dev 195.8

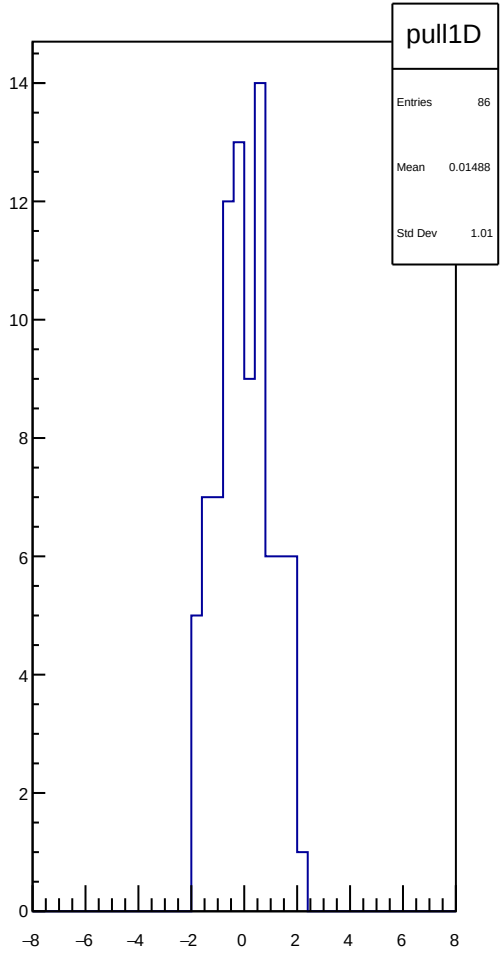

pull1D
Entries 86
Mean 0.02336
Std Dev 1.005

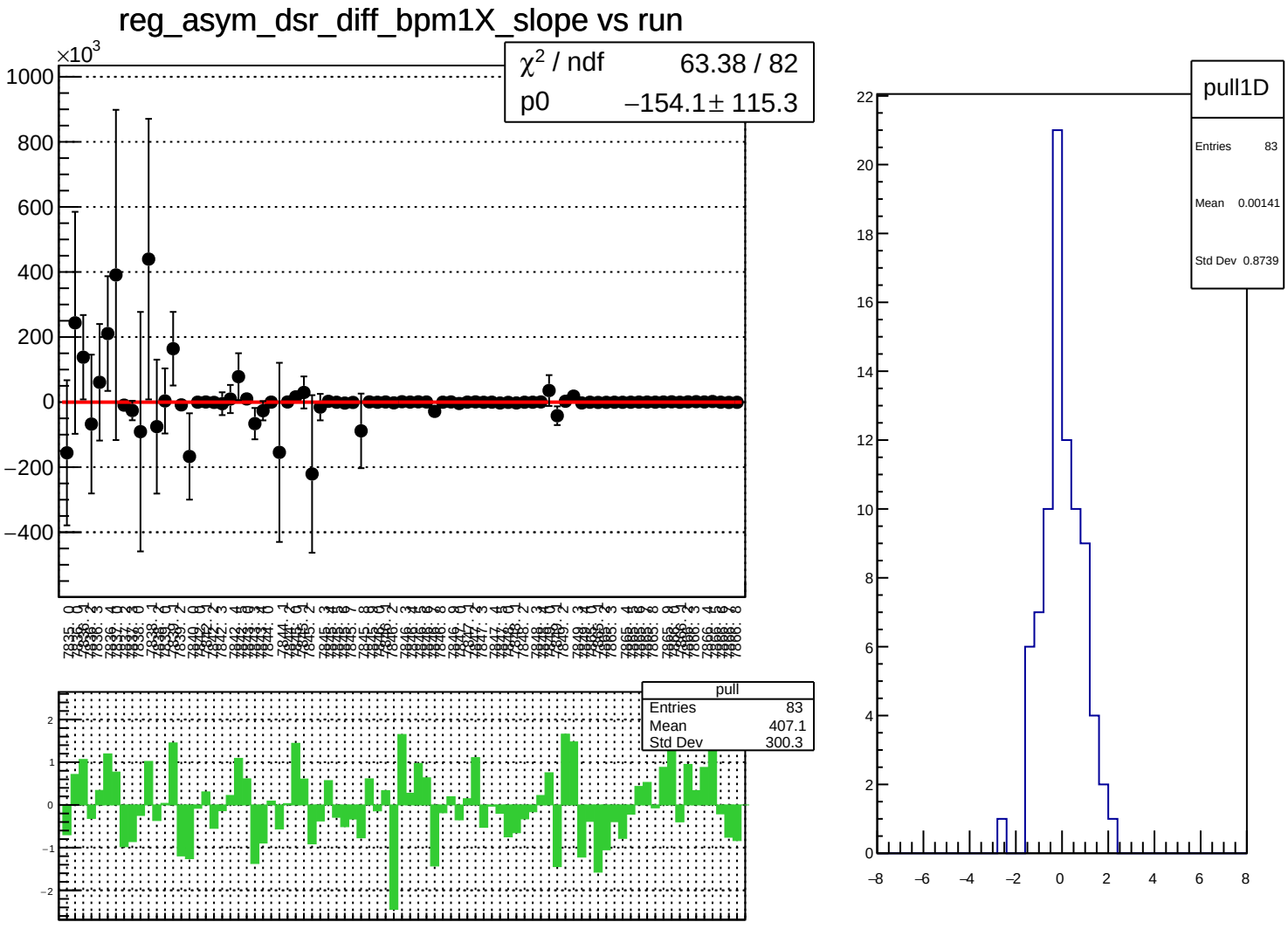

reg_asym_dsl_diff_bpm4eX_slope vs run
χ^2 / ndf 74.36 / 85
p0 0.5081 ± 4.246
pull
Entries 86
Mean 73.44
Std Dev 75.68

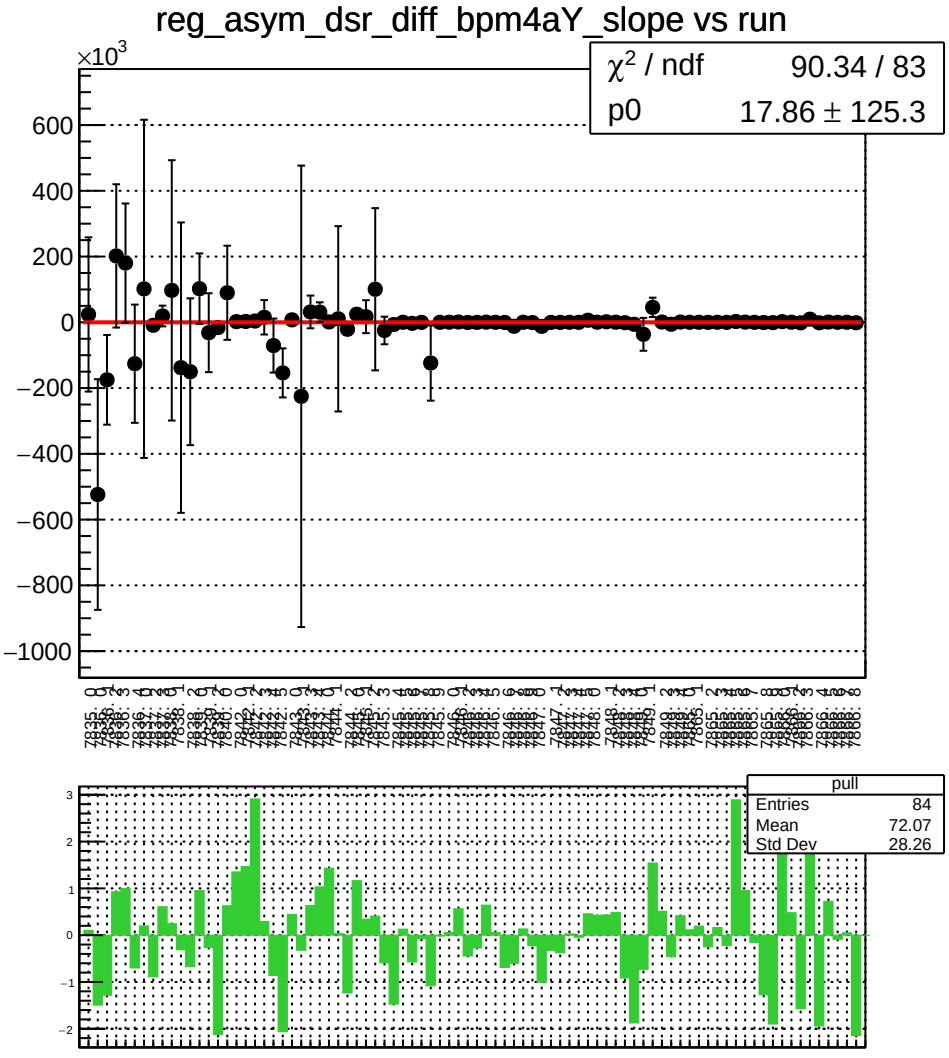

pull1D
Entries 86
Mean 0.01527
Std Dev 0.9298

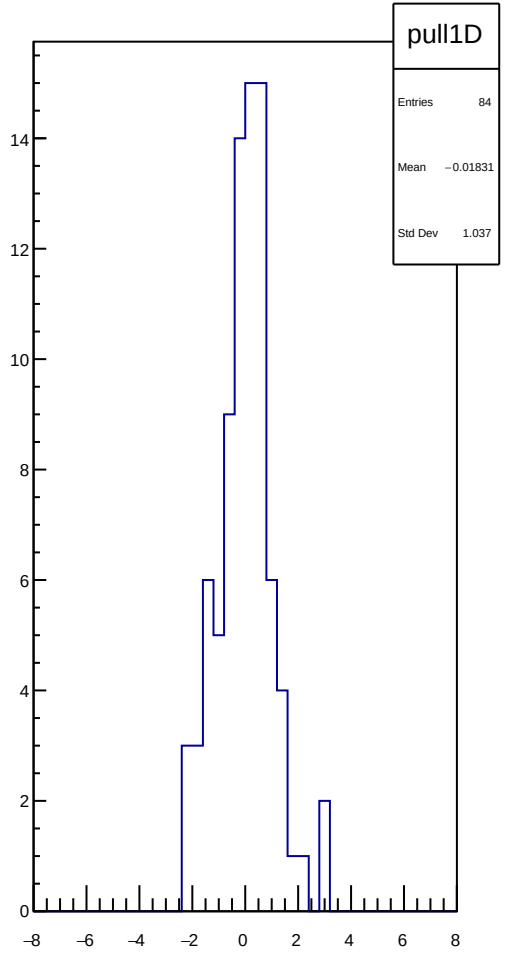

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 87.43 / 85
p0 9.733 ± 6.715
pull
Entries 86
Mean 289.7
Std Dev 240.6
pull1D
Entries 86
Mean −0.0204
Std Dev 1.008

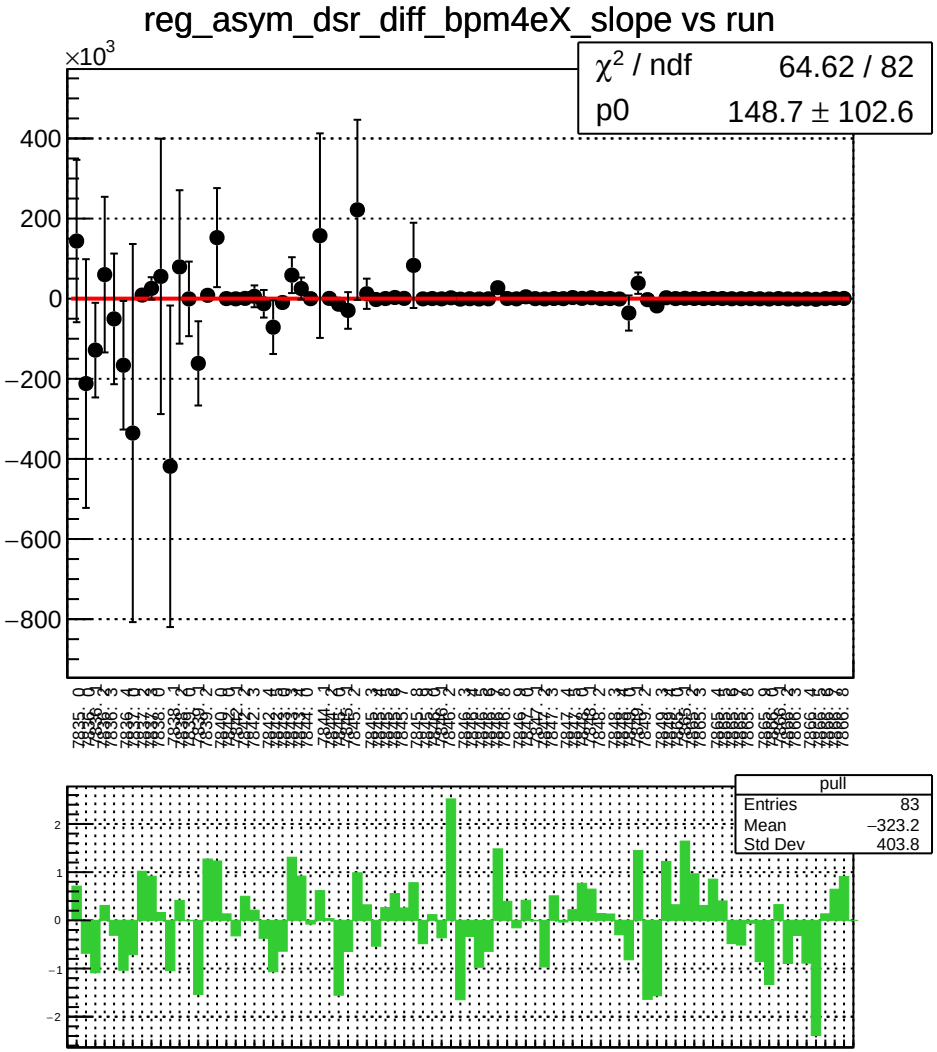

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 87.66 / 85
p0 0.523 ± 0.2011
pull
Entries 86
Mean −108.5
Std Dev 167.4

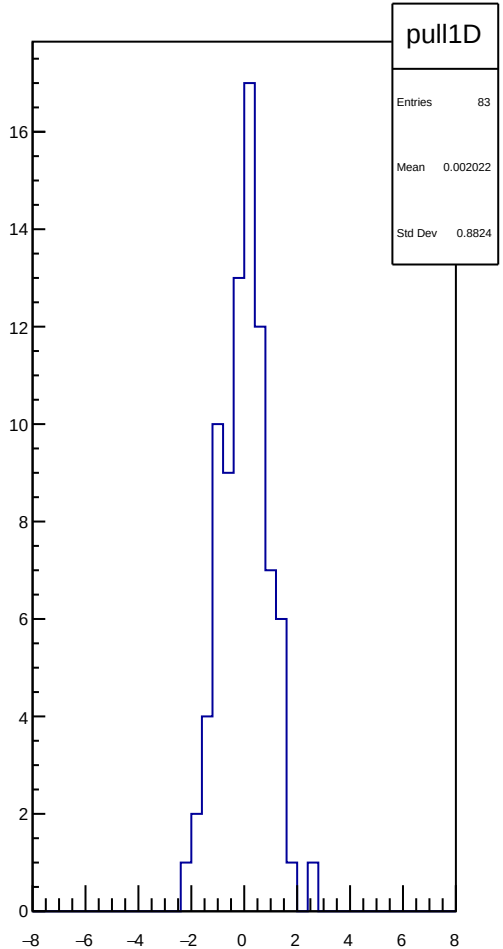

pull1D
Entries 86
Mean 0.01488
Std Dev 1.01

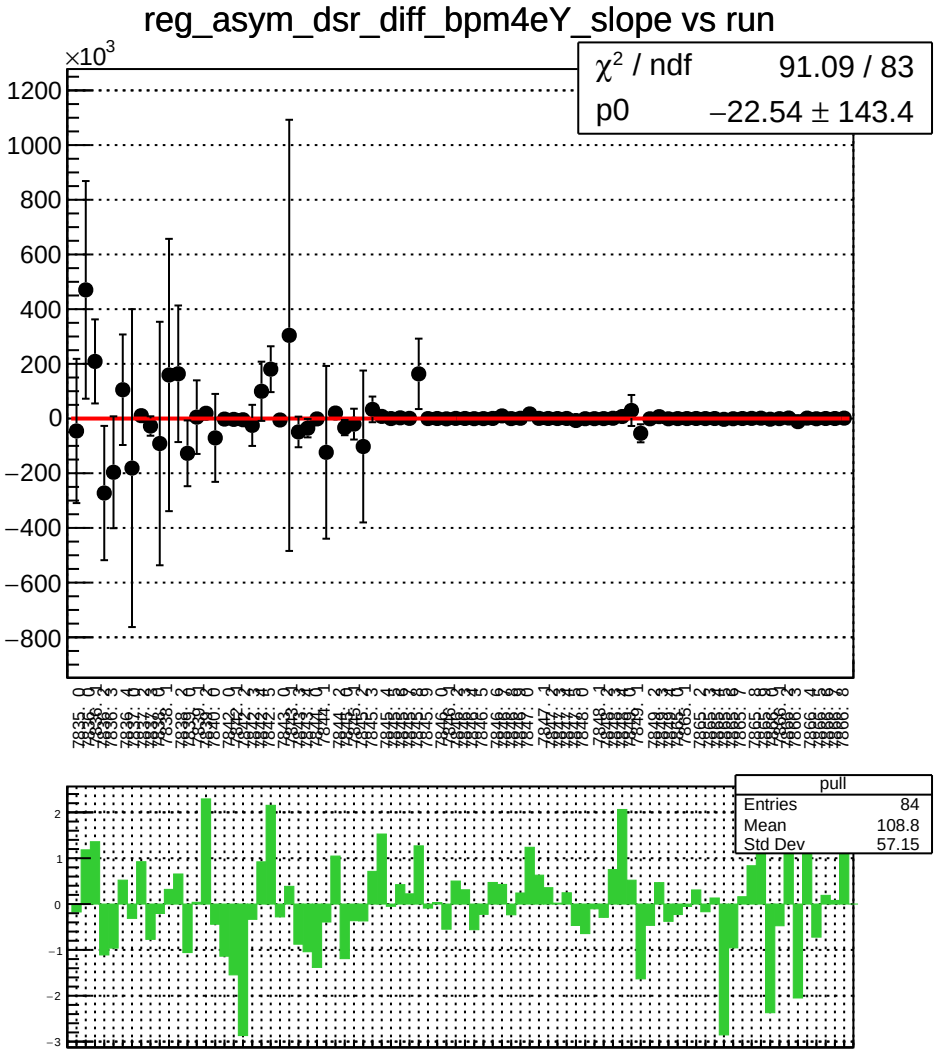

reg_asym_dsr_diff_bpm1X_slope vs run
×10^3
1000
800
600
400
200
0
−200
−400
χ² / ndf 63.38 / 82
p0 −154.1± 115.3
pull
Entries 83
Mean 407.1
Std Dev 300.3
2
1
0
−1
−2
pull1D
Entries 83
Mean 0.00141
Std Dev 0.8739
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

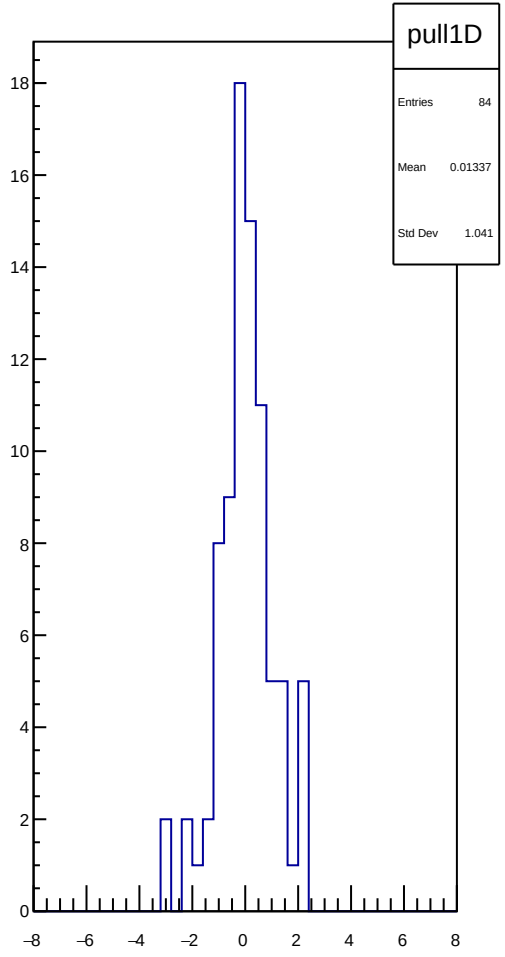

reg_asym_dsr_diff_bpm4aY_slope vs run
χ^2 / ndf 90.34 / 83
p0 17.86 ± 125.3
×10^3
600
400
200
0
−200
−400
−600
−800
−1000
pull
Entries 84
Mean 72.07
Std Dev 28.26
3
2
1
0
−1
−2

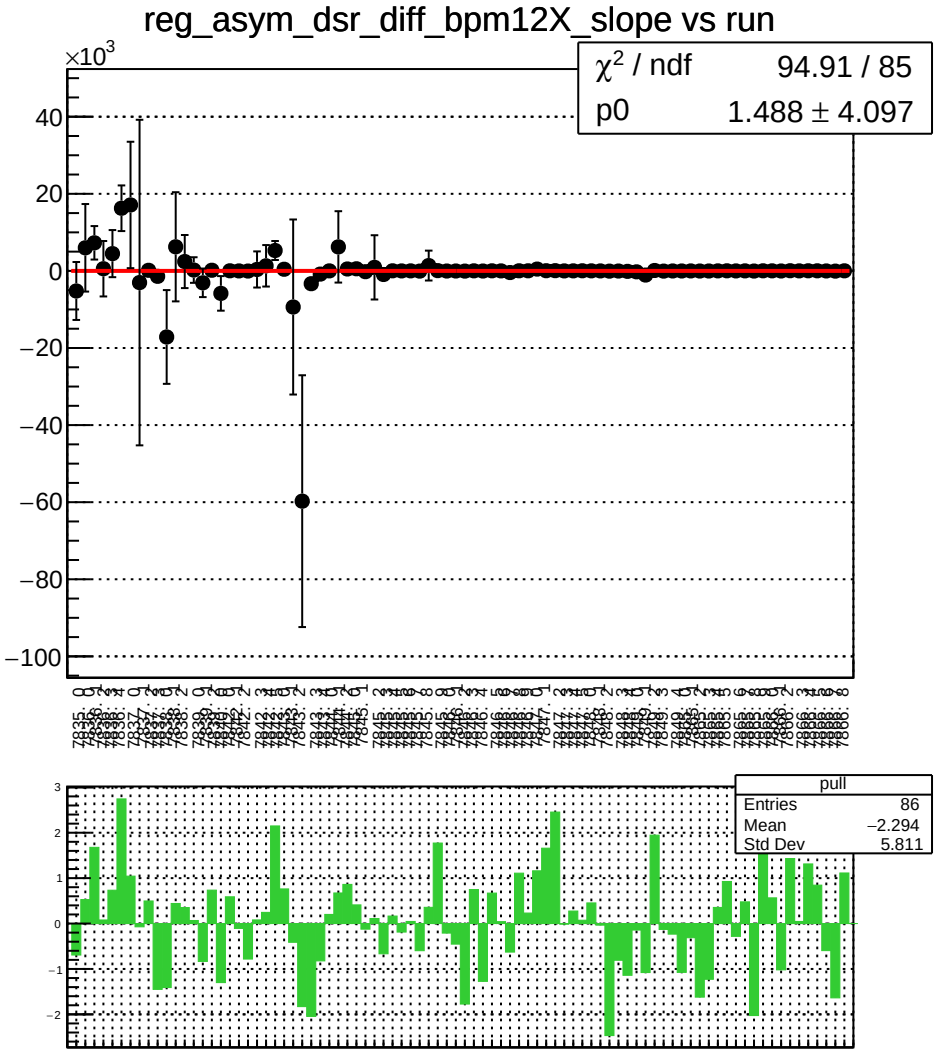

pull1D
Entries 84
Mean −0.01831
Std Dev 1.037
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

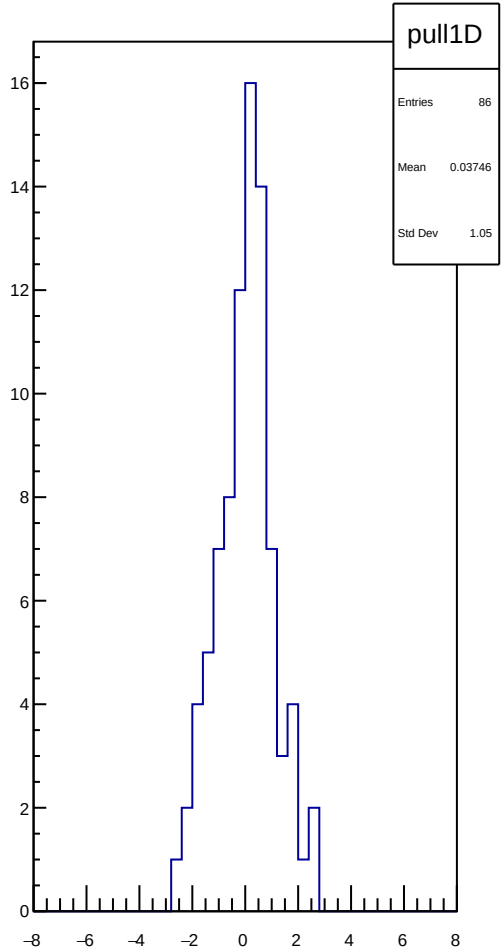

reg_asym_dsr_diff_bpm4eX_slope vs run
×10^3
χ² / ndf 64.62 / 82
p0 148.7 ± 102.6
pull
Entries 83
Mean −323.2
Std Dev 403.8

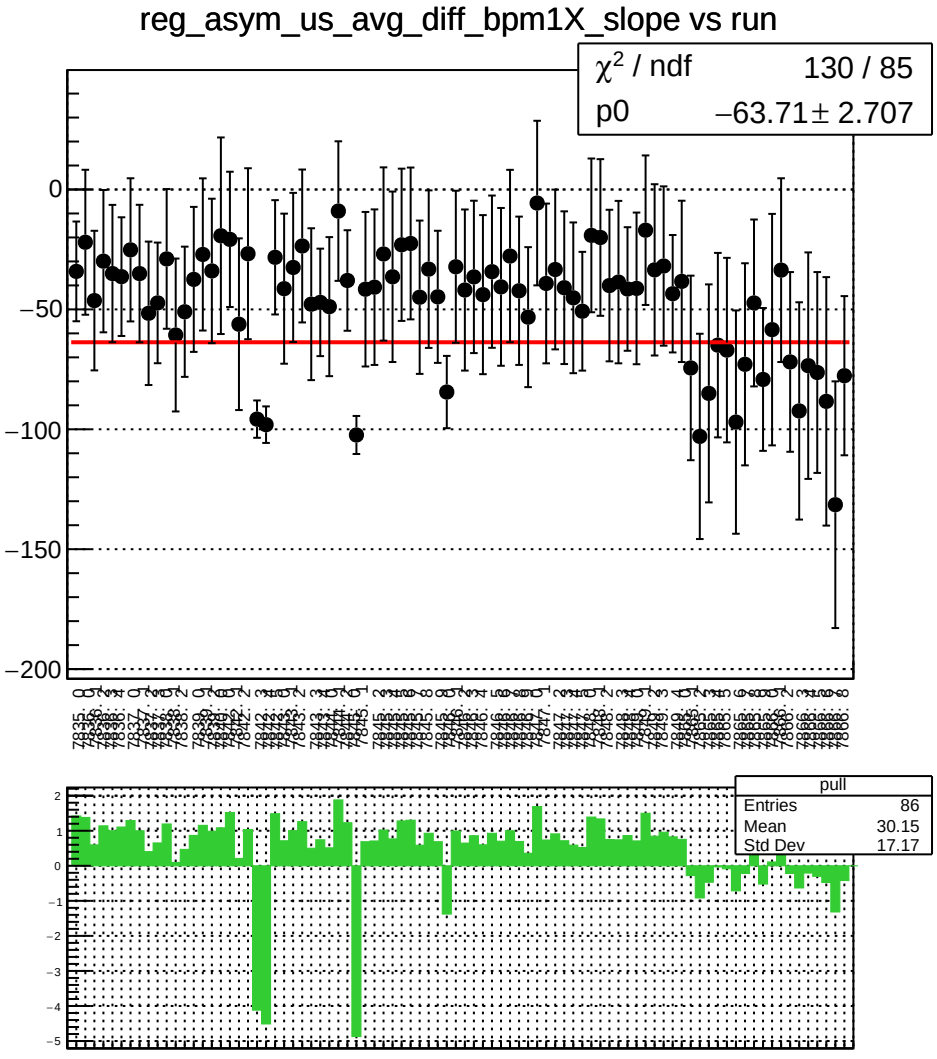

pull1D
Entries 83
Mean 0.002022
Std Dev 0.8824

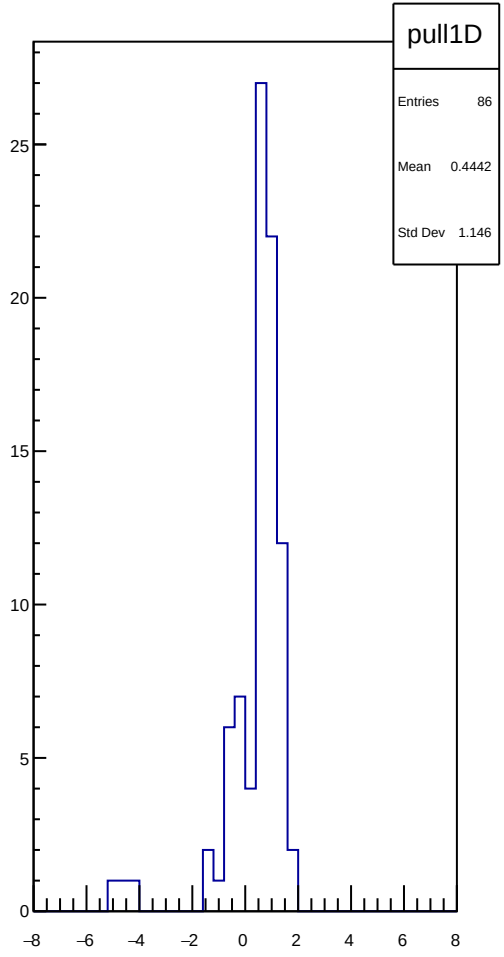

reg_asym_dsr_diff_bpm4eY_slope vs run
×10^3
χ² / ndf 91.09 / 83
p0 −22.54 ± 143.4
pull
Entries 84
Mean 108.8
Std Dev 57.15

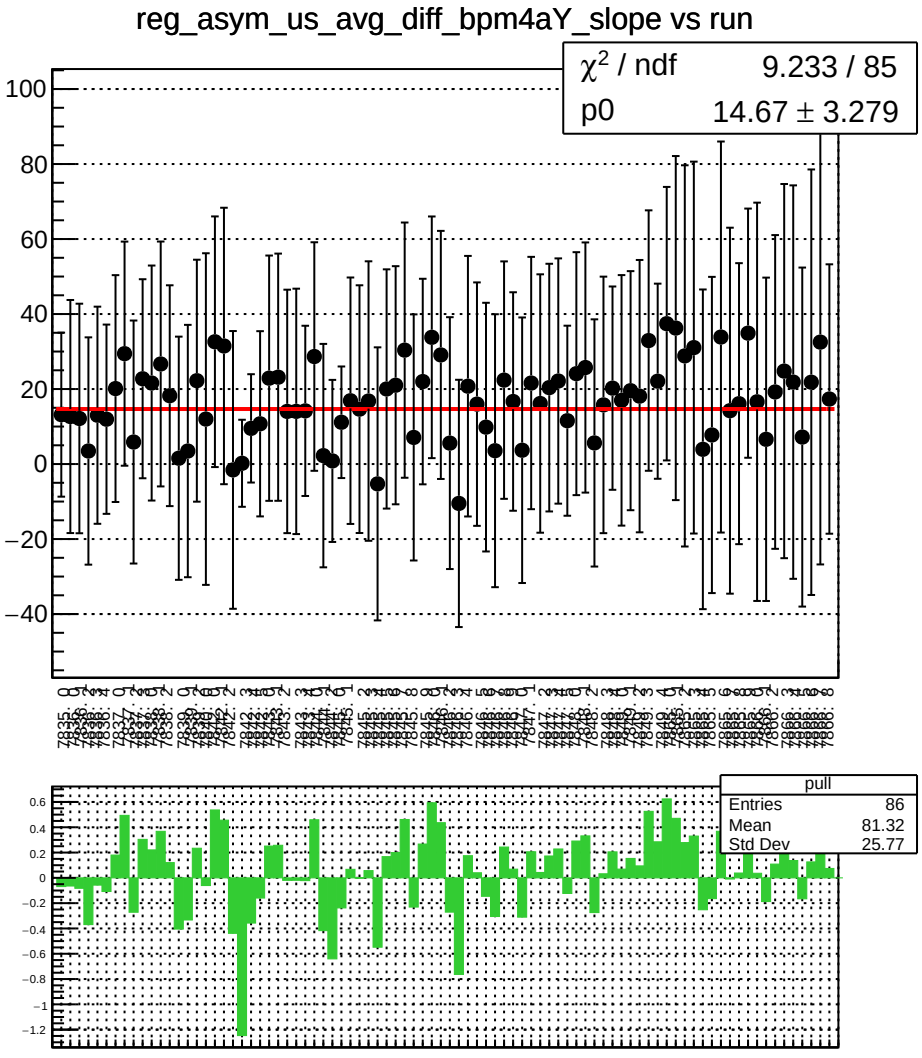

pull1D
Entries 84
Mean 0.01337
Std Dev 1.041

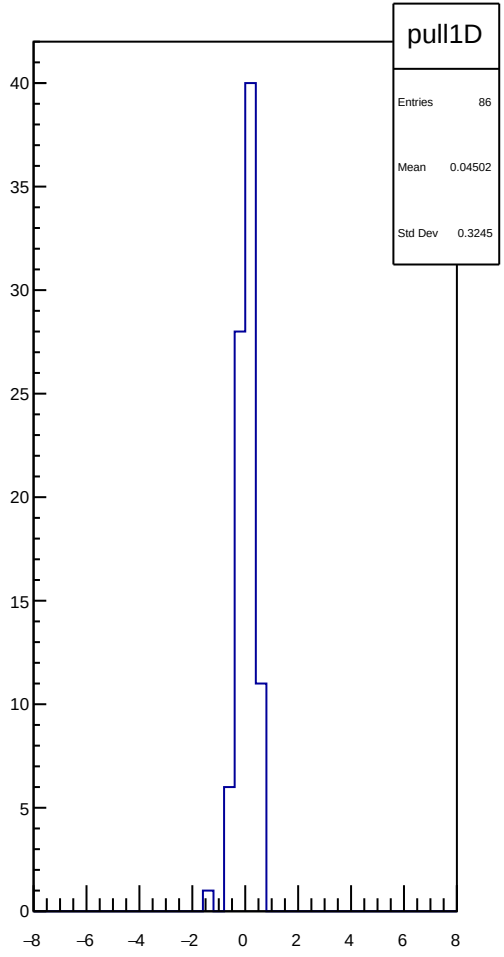

reg_asym_dsr_diff_bpm12X_slope vs run
×10^3
χ² / ndf 94.91 / 85
p0 1.488 ± 4.097
pull
Entries 86
Mean −2.294
Std Dev 5.811

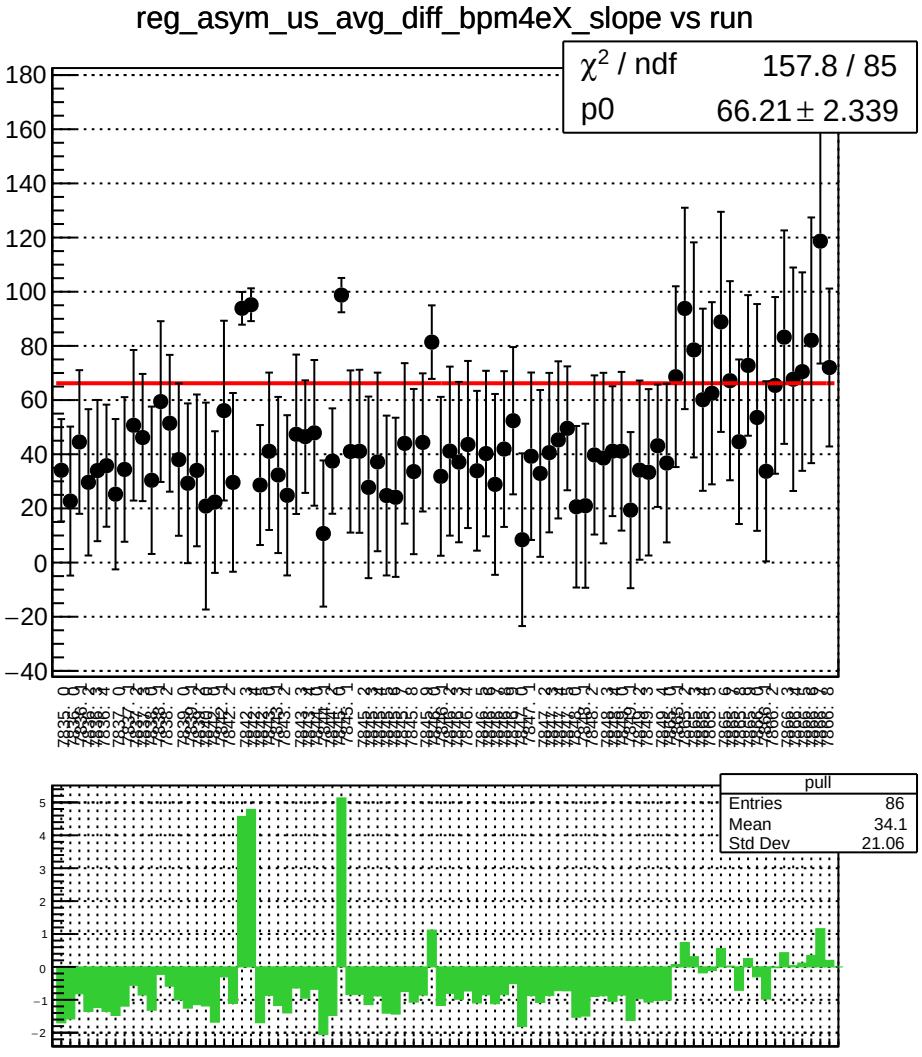

pull1D
Entries 86
Mean 0.03746
Std Dev 1.05

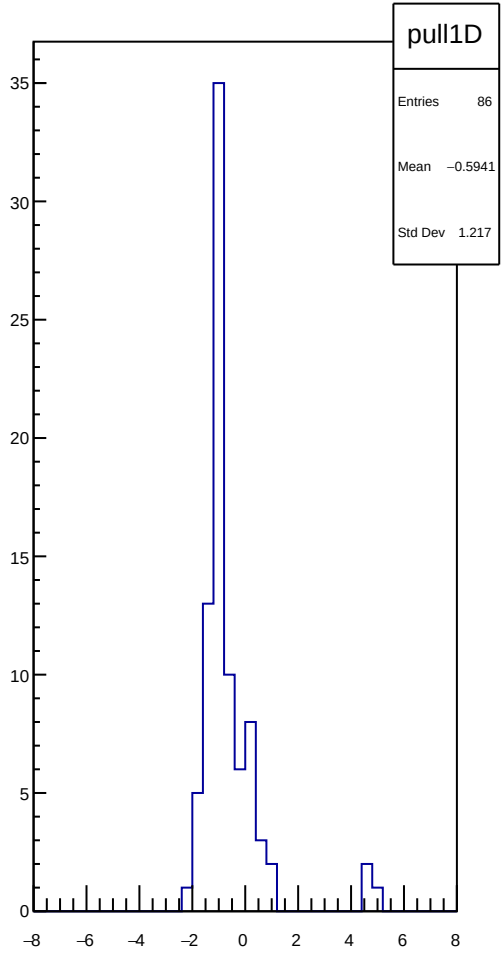

reg_asym_us_avg_diff_bpm1X_slope vs run
χ^2 / ndf 130 / 85
p0 −63.71 ± 2.707
0
−50
−100
−150
−200
pull
Entries 86
Mean 30.15
Std Dev 17.17
2
1
0
−1
−2
−3
−4
−5

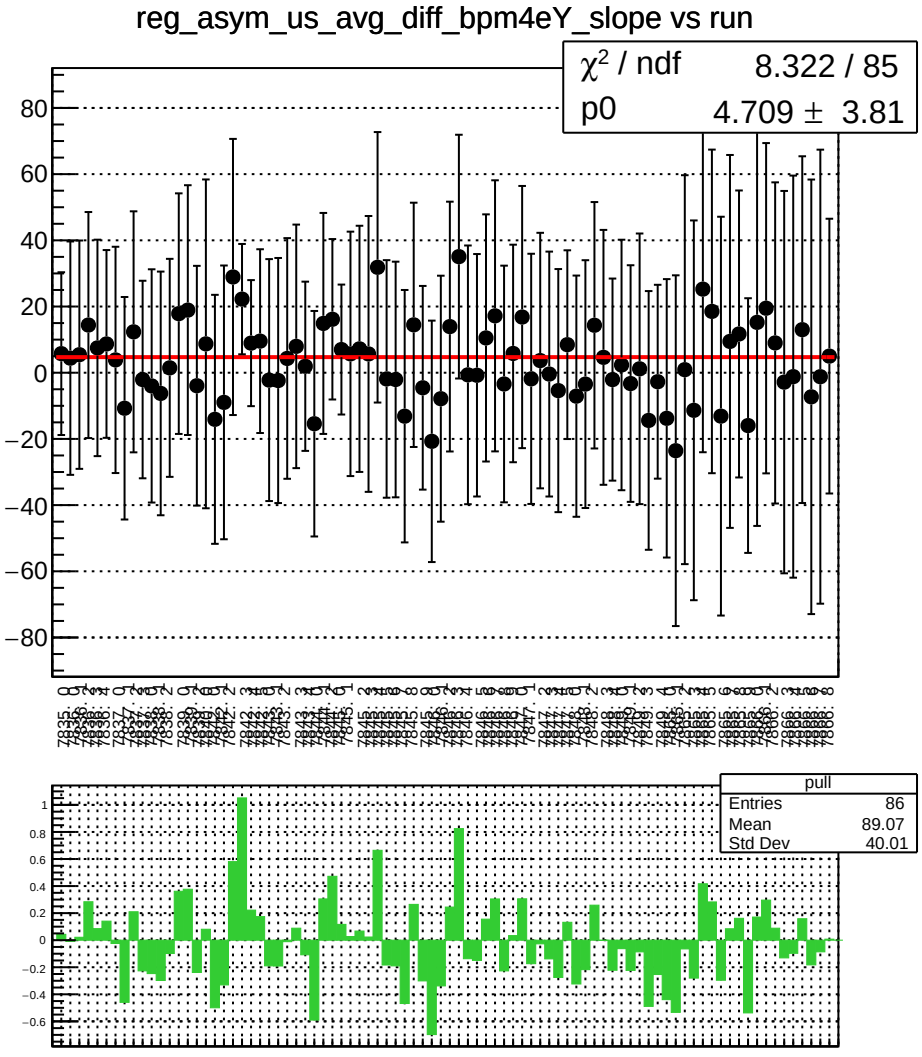

pull1D
Entries 86
Mean 0.4442
Std Dev 1.146
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

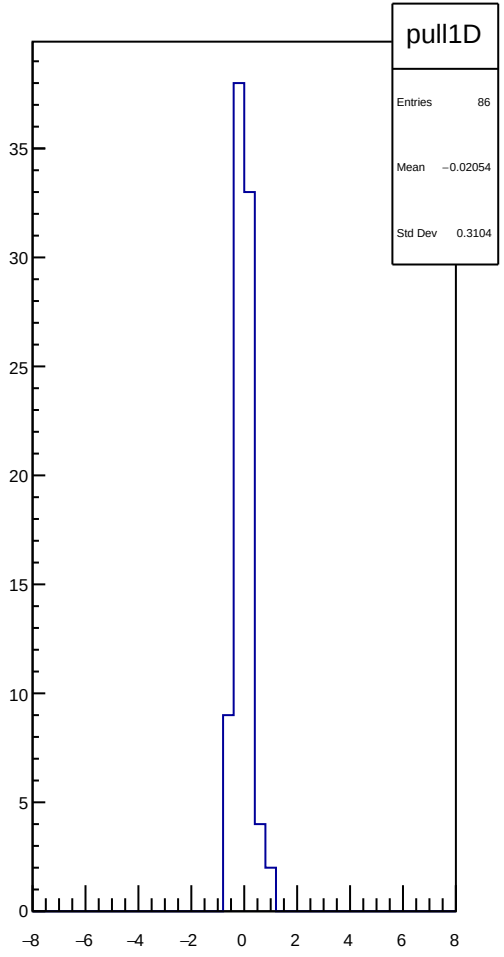

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.233 / 85
p0 14.67 ± 3.279
pull
Entries 86
Mean 81.32
Std Dev 25.77

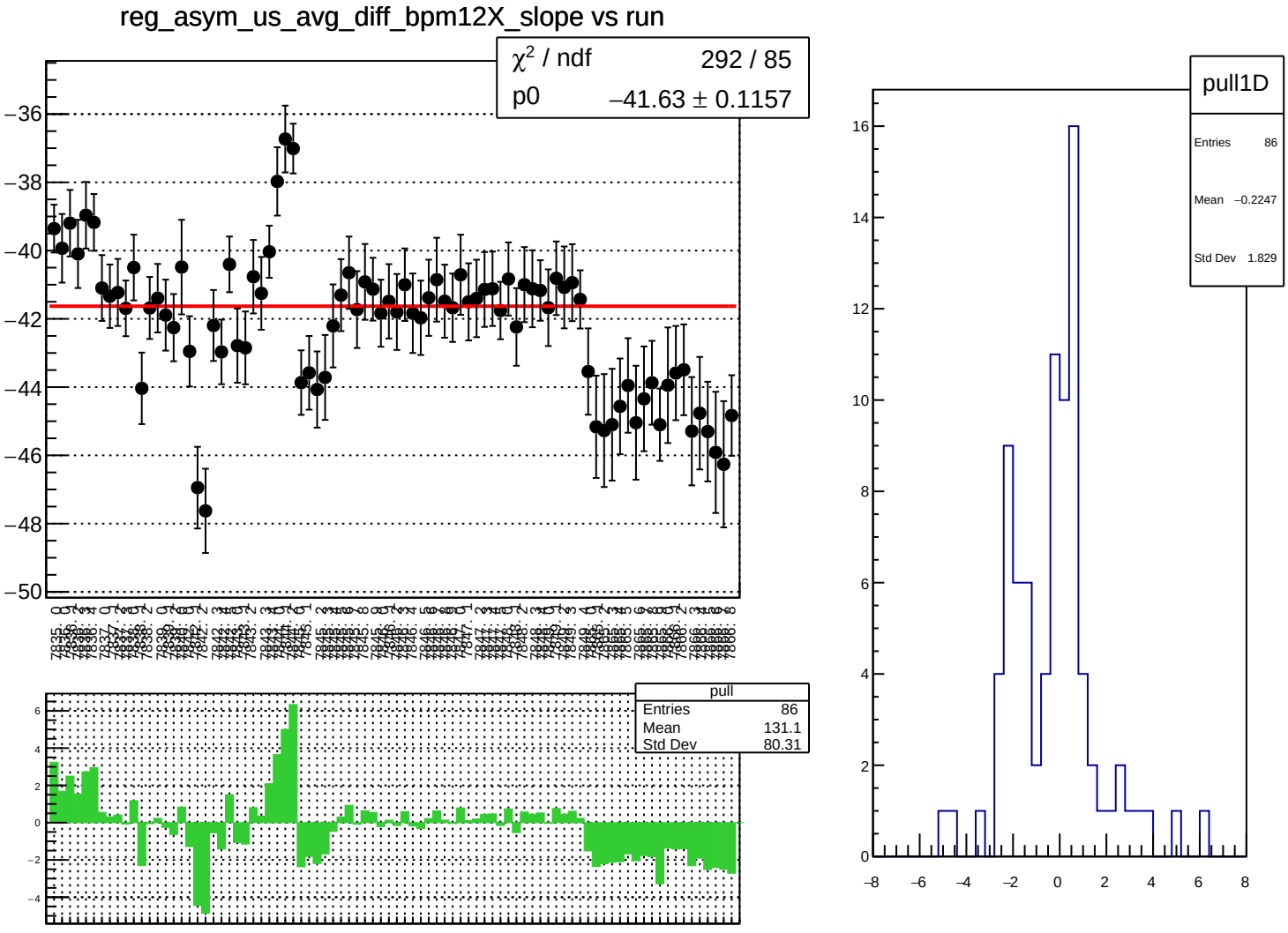

pull1D
Entries 86
Mean 0.04502
Std Dev 0.3245

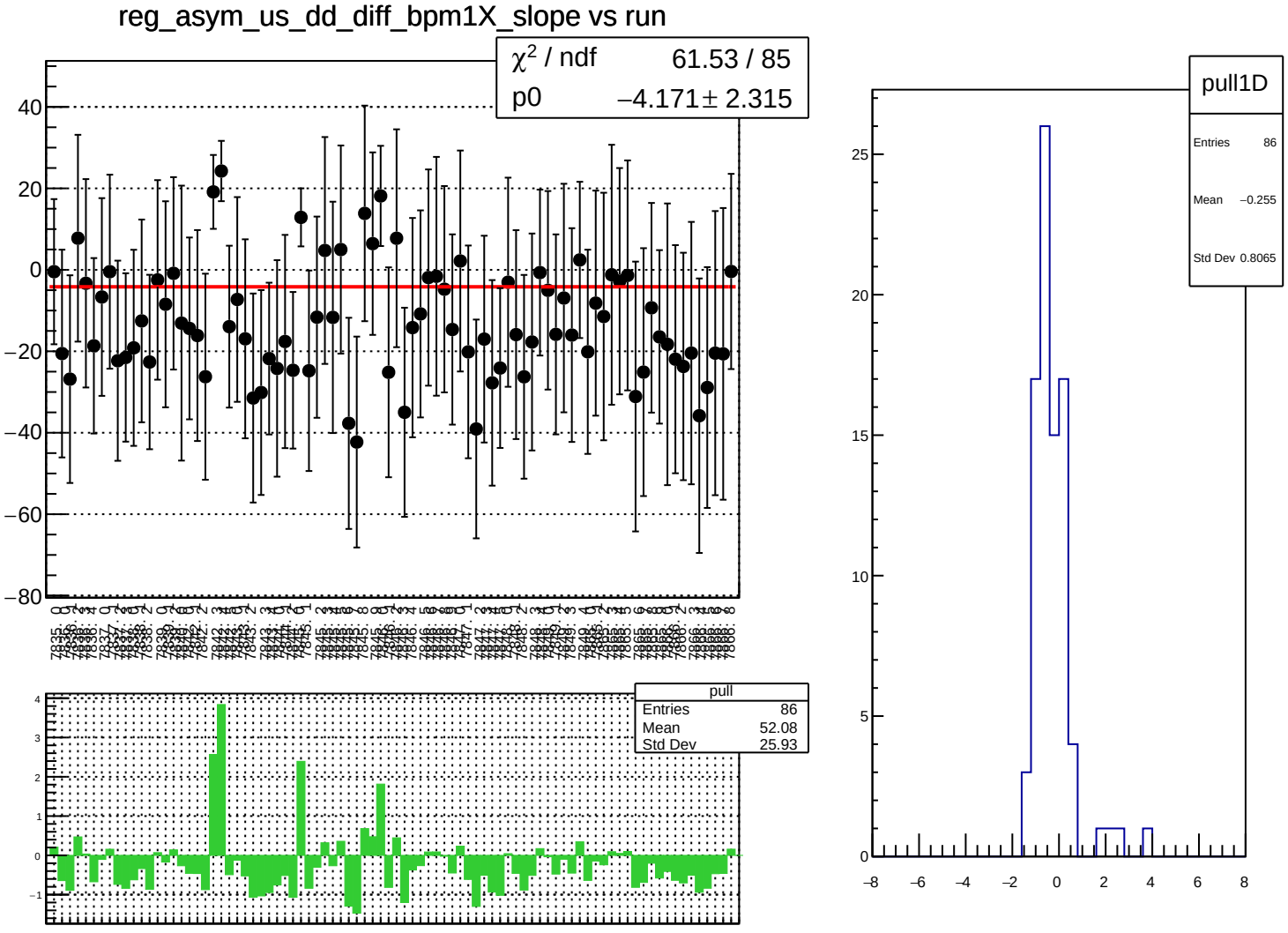

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 157.8 / 85
p0 66.21 ± 2.339
pull
Entries 86
Mean 34.1
Std Dev 21.06

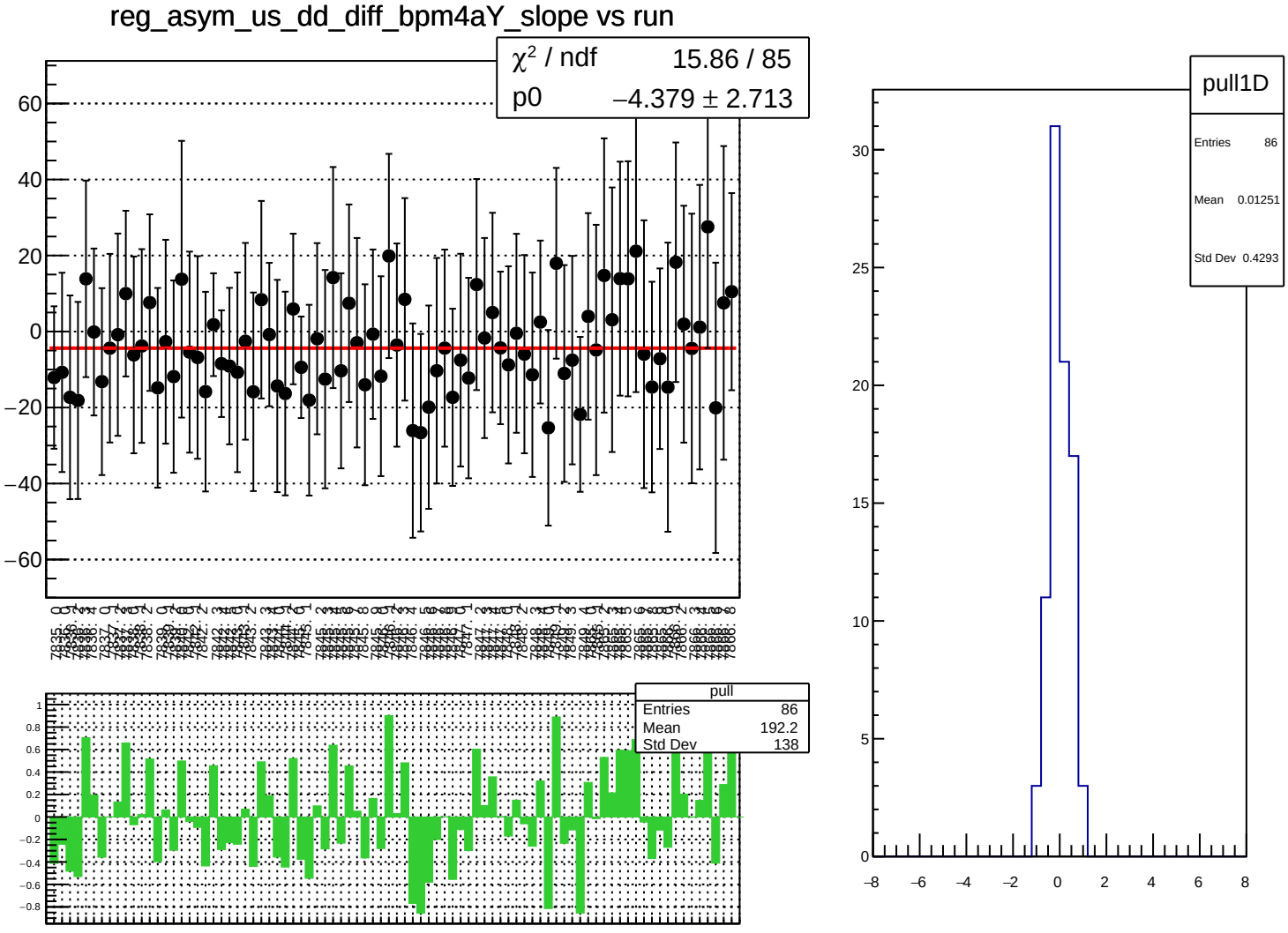

pull1D
Entries 86
Mean −0.5941
Std Dev 1.217

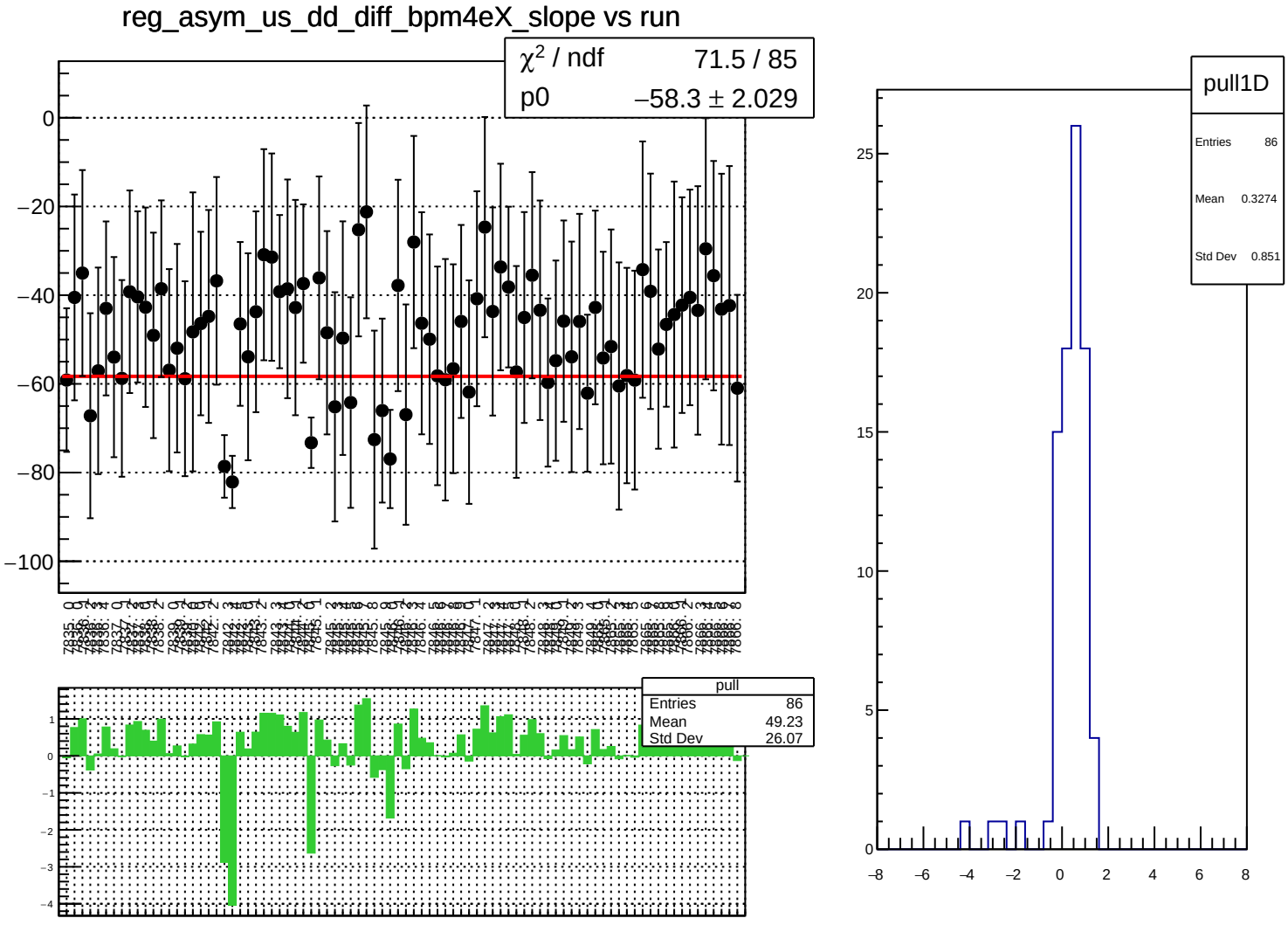

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.322 / 85
p0 4.709 ± 3.81
pull
Entries 86
Mean 89.07
Std Dev 40.01

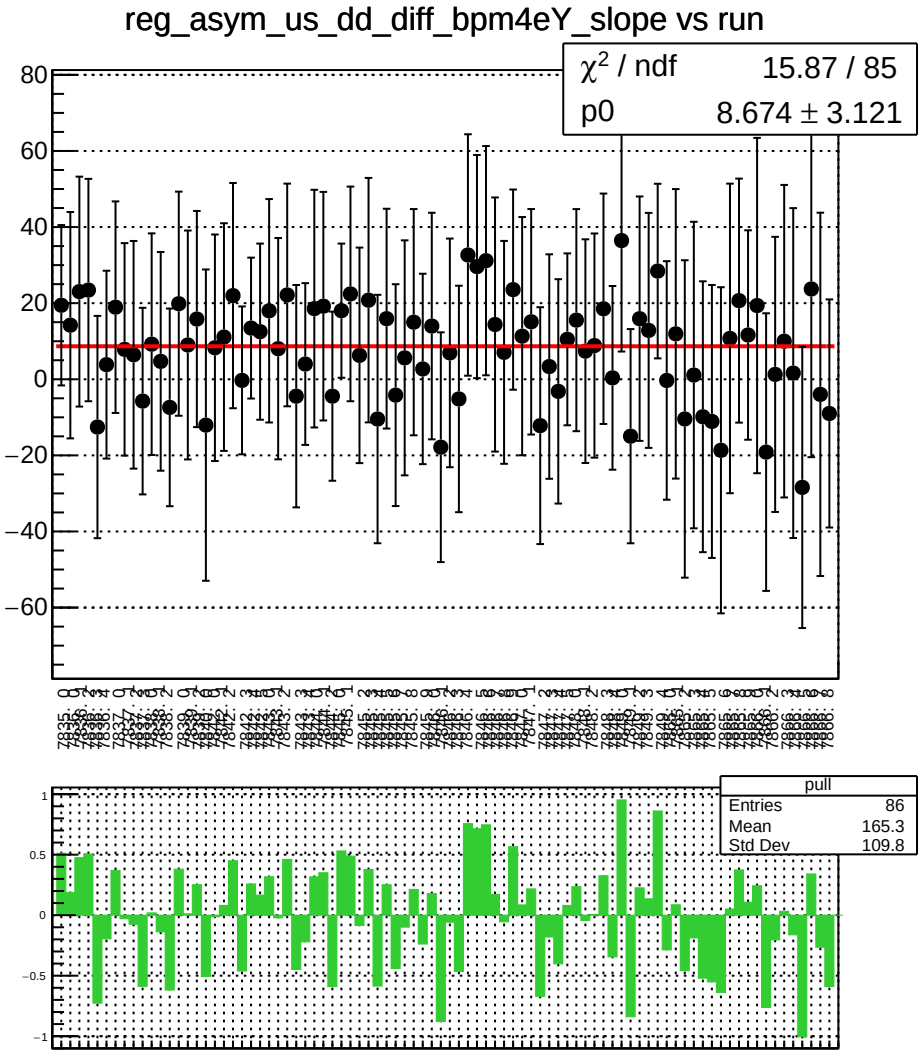

pull1D
Entries 86
Mean −0.02054
Std Dev 0.3104

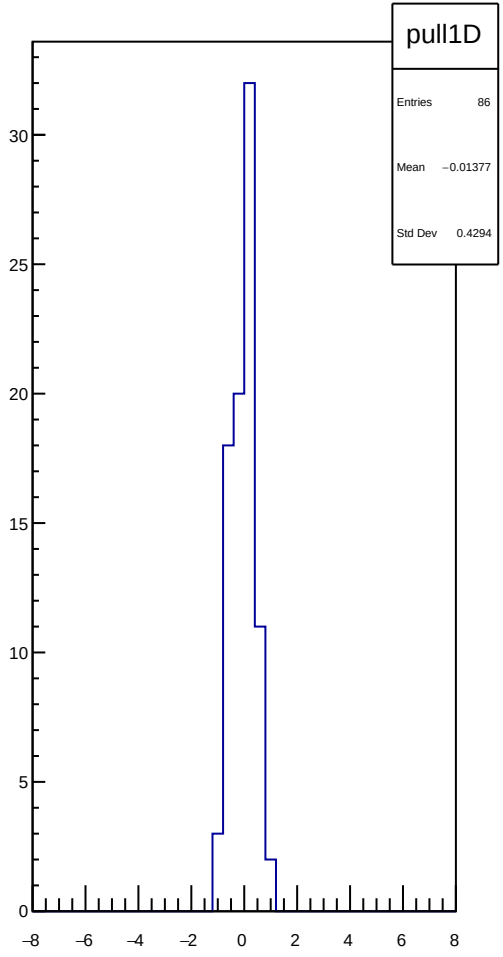

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 292 / 85
p0 −41.63 ± 0.1157
pull
Entries 86
Mean 131.1
Std Dev 80.31
pull1D
Entries 86
Mean −0.2247
Std Dev 1.829

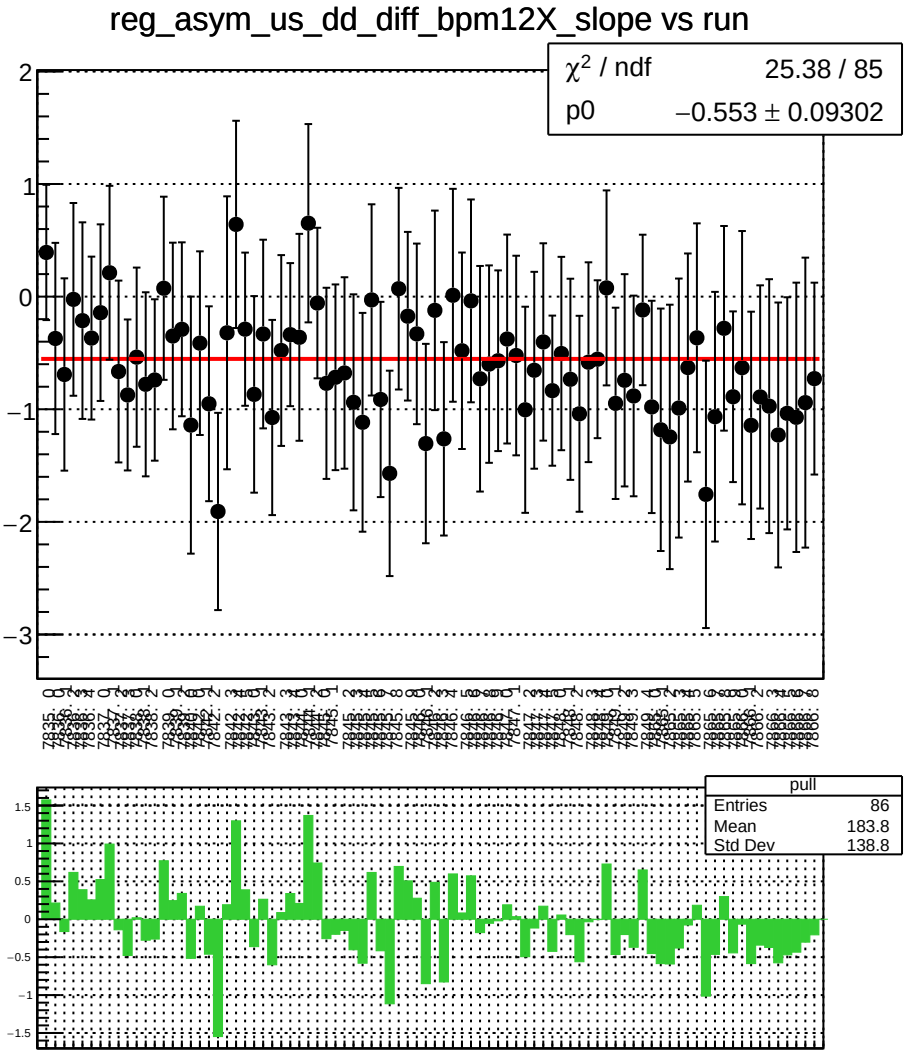

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 61.53 / 85
p0 −4.171 ± 2.315
pull
Entries 86
Mean 52.08
Std Dev 25.93
pull1D
Entries 86
Mean −0.255
Std Dev 0.8065

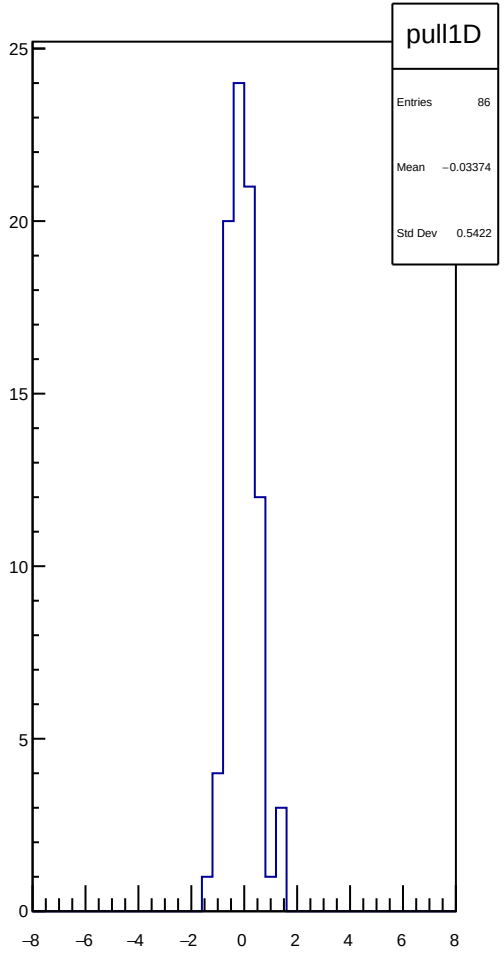

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.86 / 85
p0 −4.379 ± 2.713
pull
Entries 86
Mean 192.2
Std Dev 138
pull1D
Entries 86
Mean 0.01251
Std Dev 0.4293

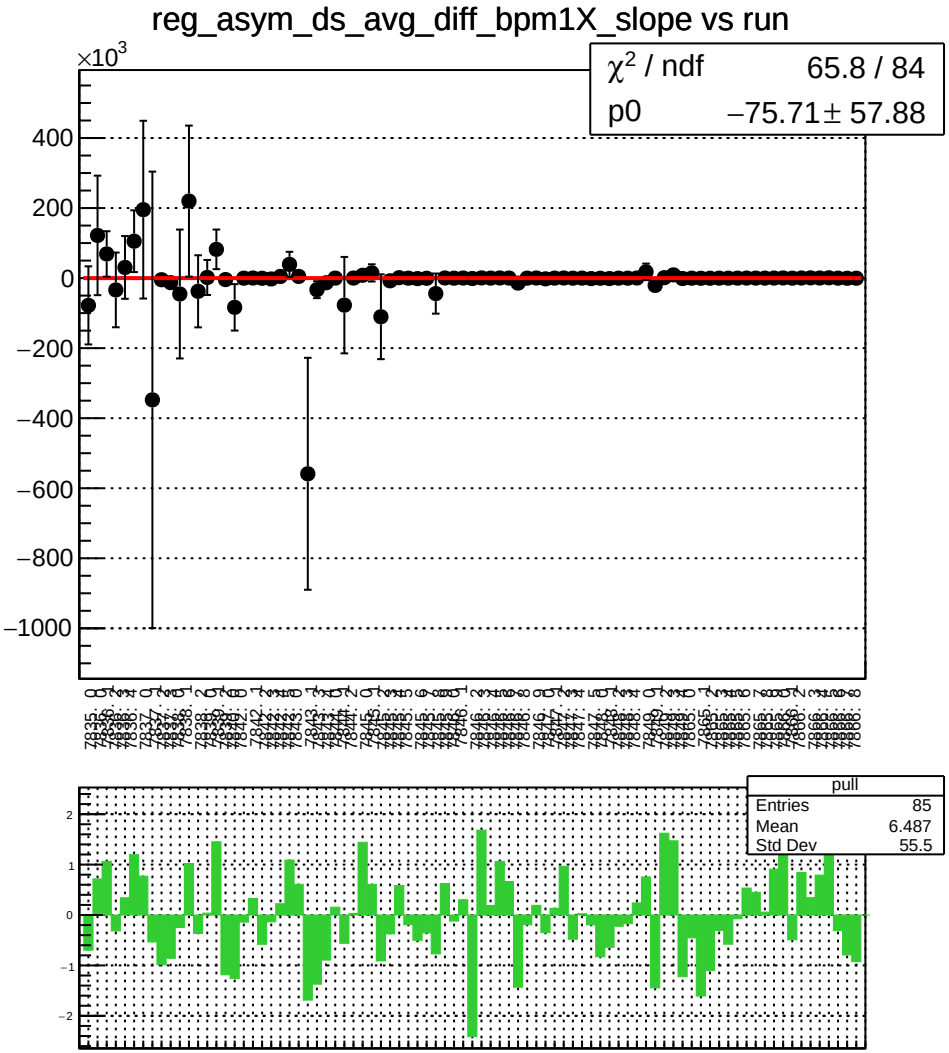

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 71.5 / 85
p0 −58.3 ± 2.029
pull
Entries 86
Mean 49.23
Std Dev 26.07
pull1D
Entries 86
Mean 0.3274
Std Dev 0.851

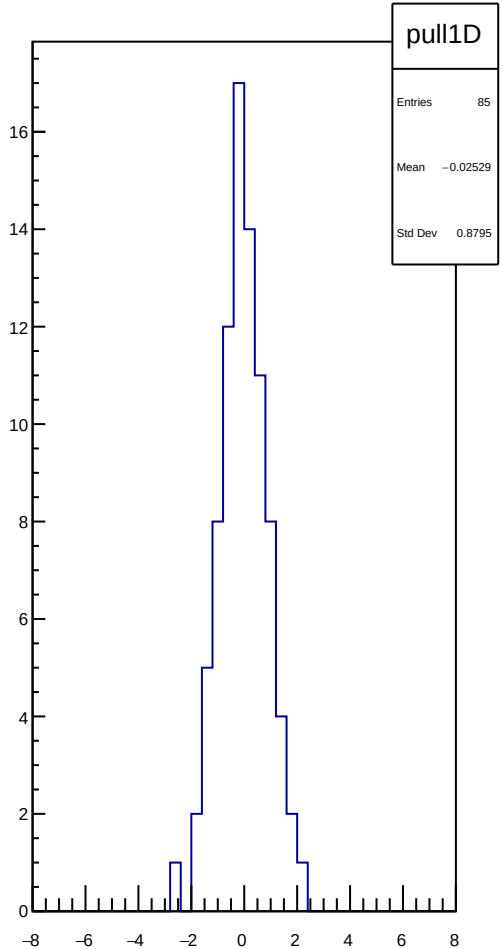

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.87 / 85
p0 8.674 ± 3.121
pull
Entries 86
Mean 165.3
Std Dev 109.8

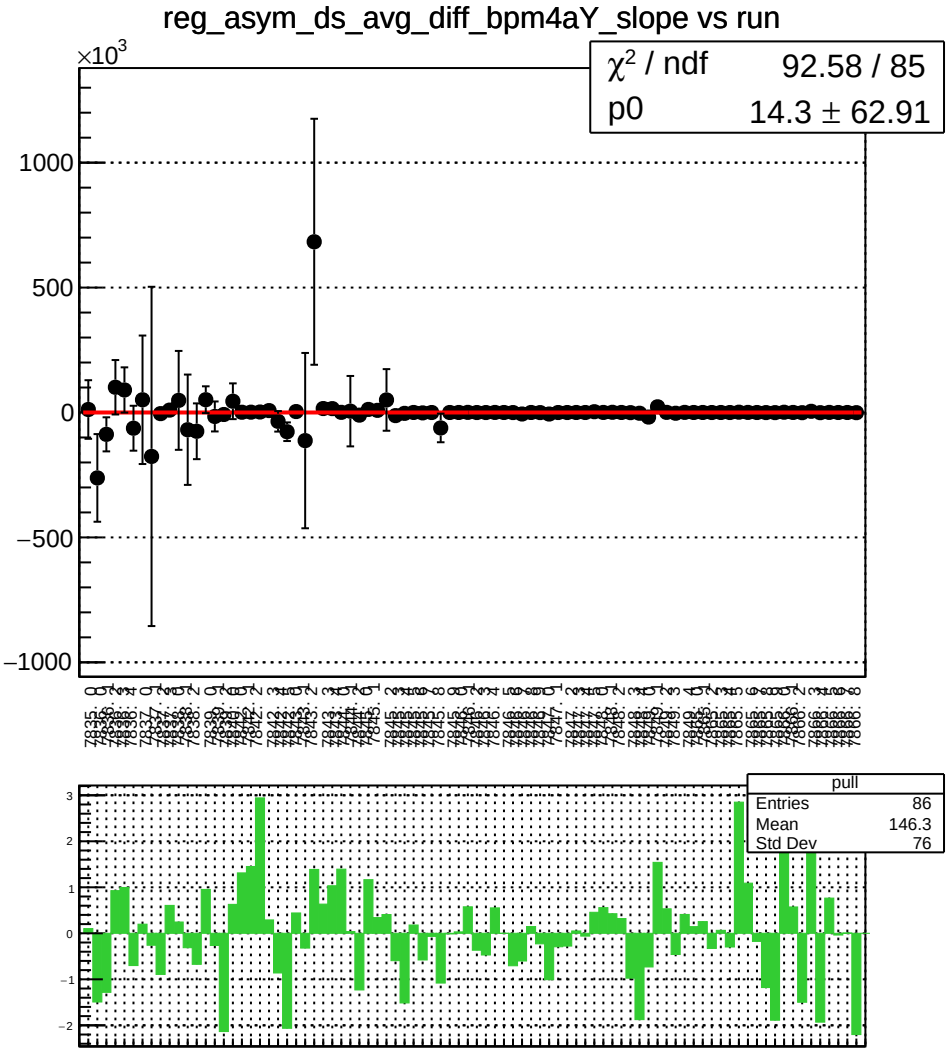

pull1D
Entries 86
Mean −0.01377
Std Dev 0.4294

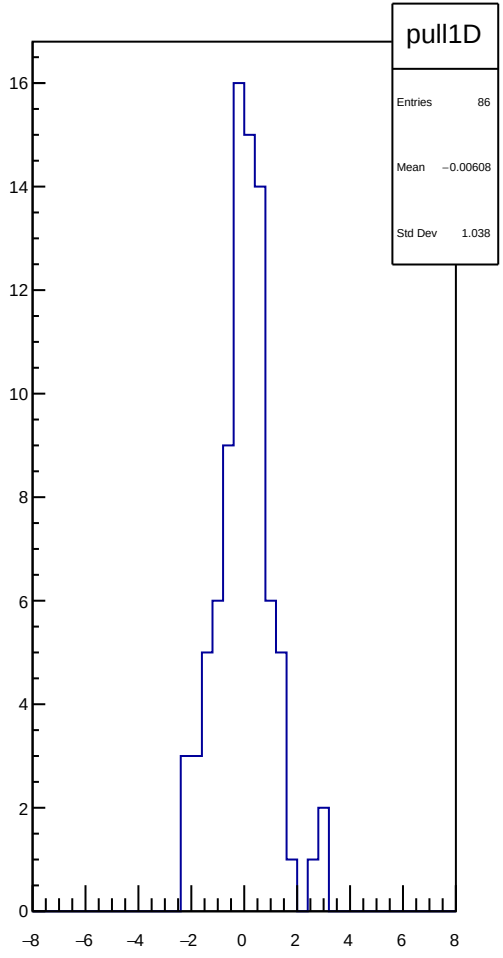

reg_asym_us_dd_diff_bpm12X_slope vs run
χ^2 / ndf 25.38 / 85
p0 −0.553 ± 0.09302
pull
Entries 86
Mean 183.8
Std Dev 138.8

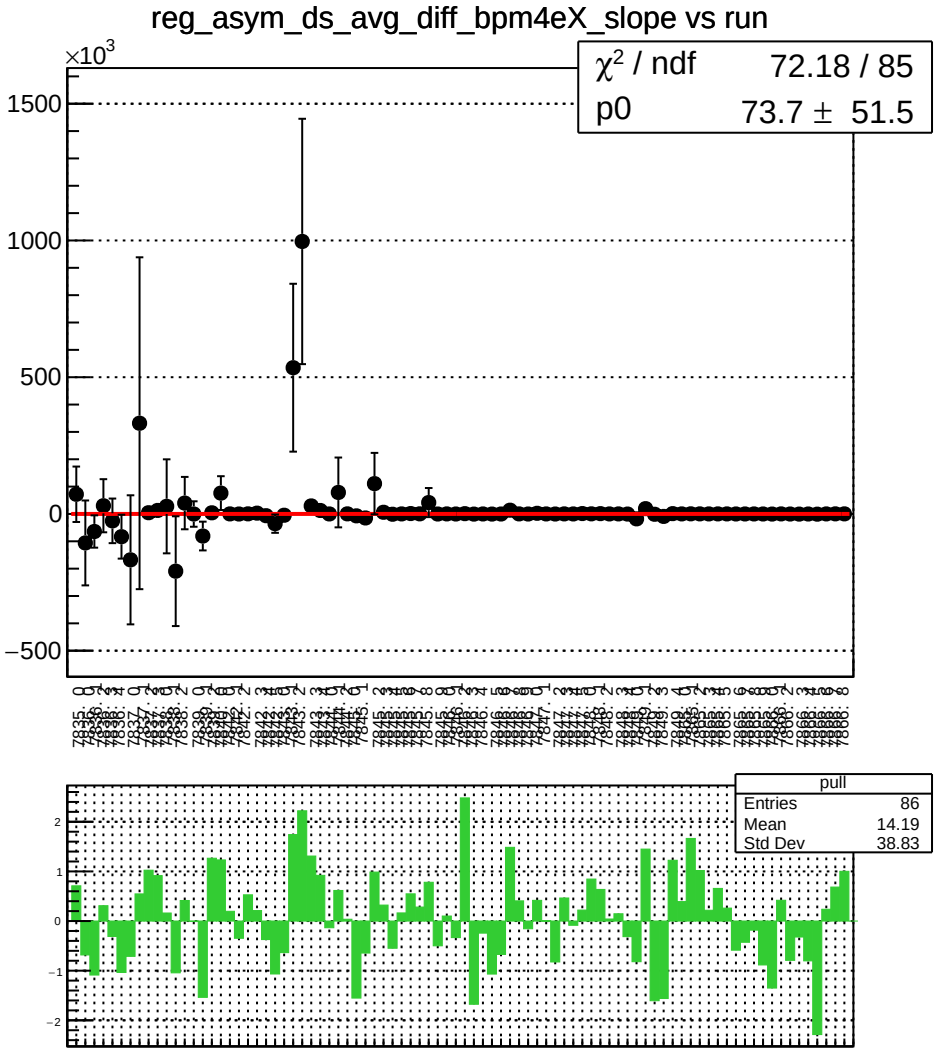

pull1D
Entries 86
Mean −0.03374
Std Dev 0.5422

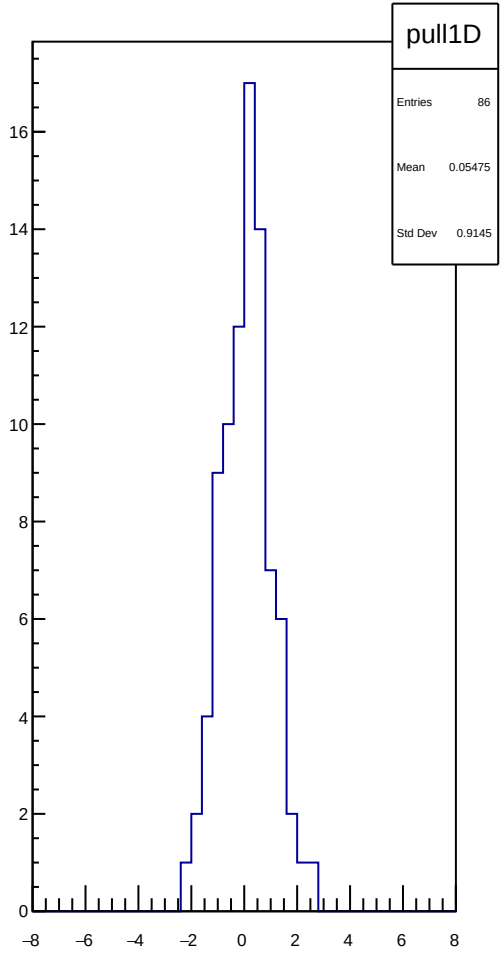

reg_asym_ds_avg_diff_bpm1X_slope vs run
×10^3
χ² / ndf 65.8 / 84
p0 −75.71 ± 57.88
pull
Entries 85
Mean 6.487
Std Dev 55.5

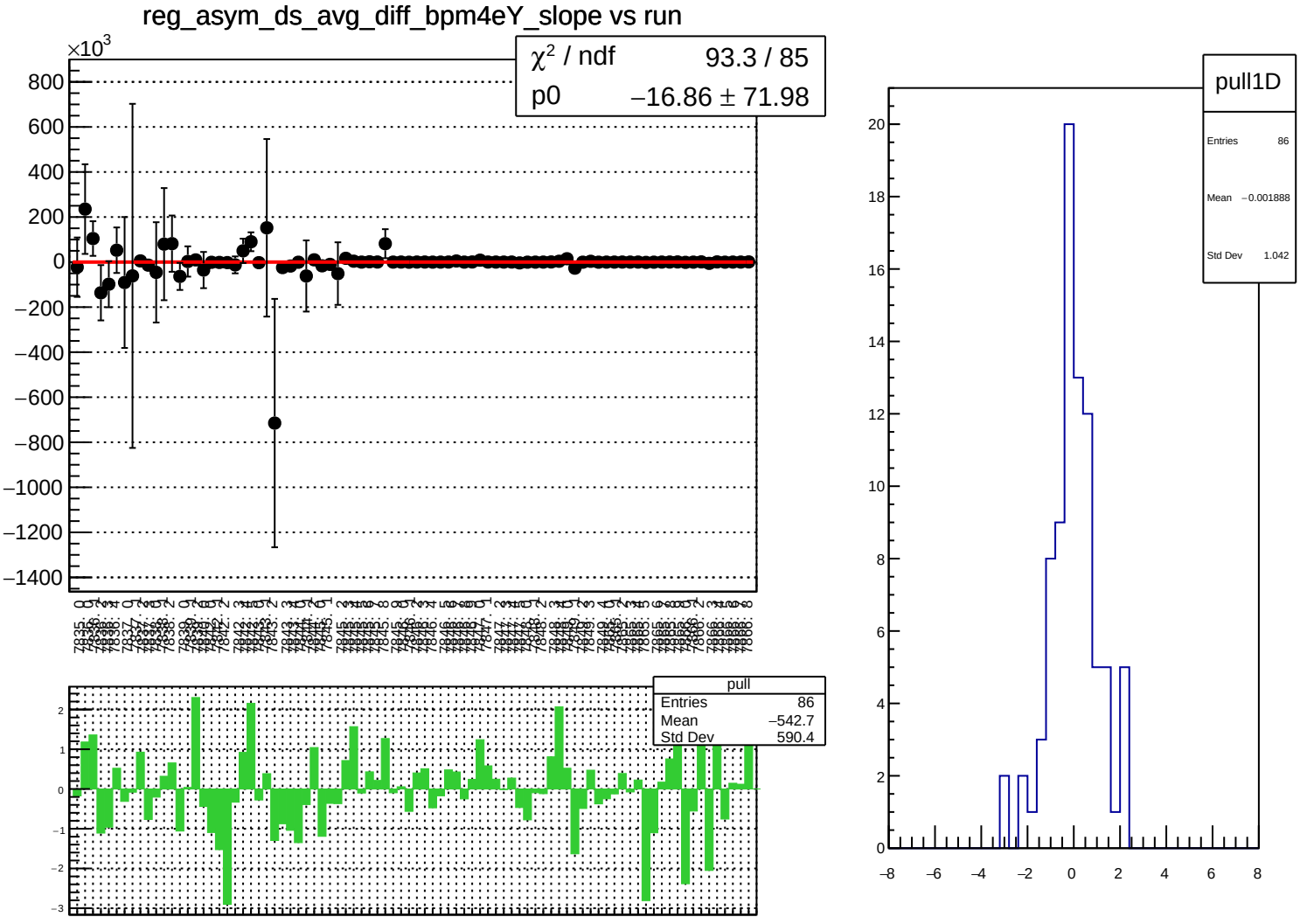

pull1D
Entries 85
Mean −0.02529
Std Dev 0.8795

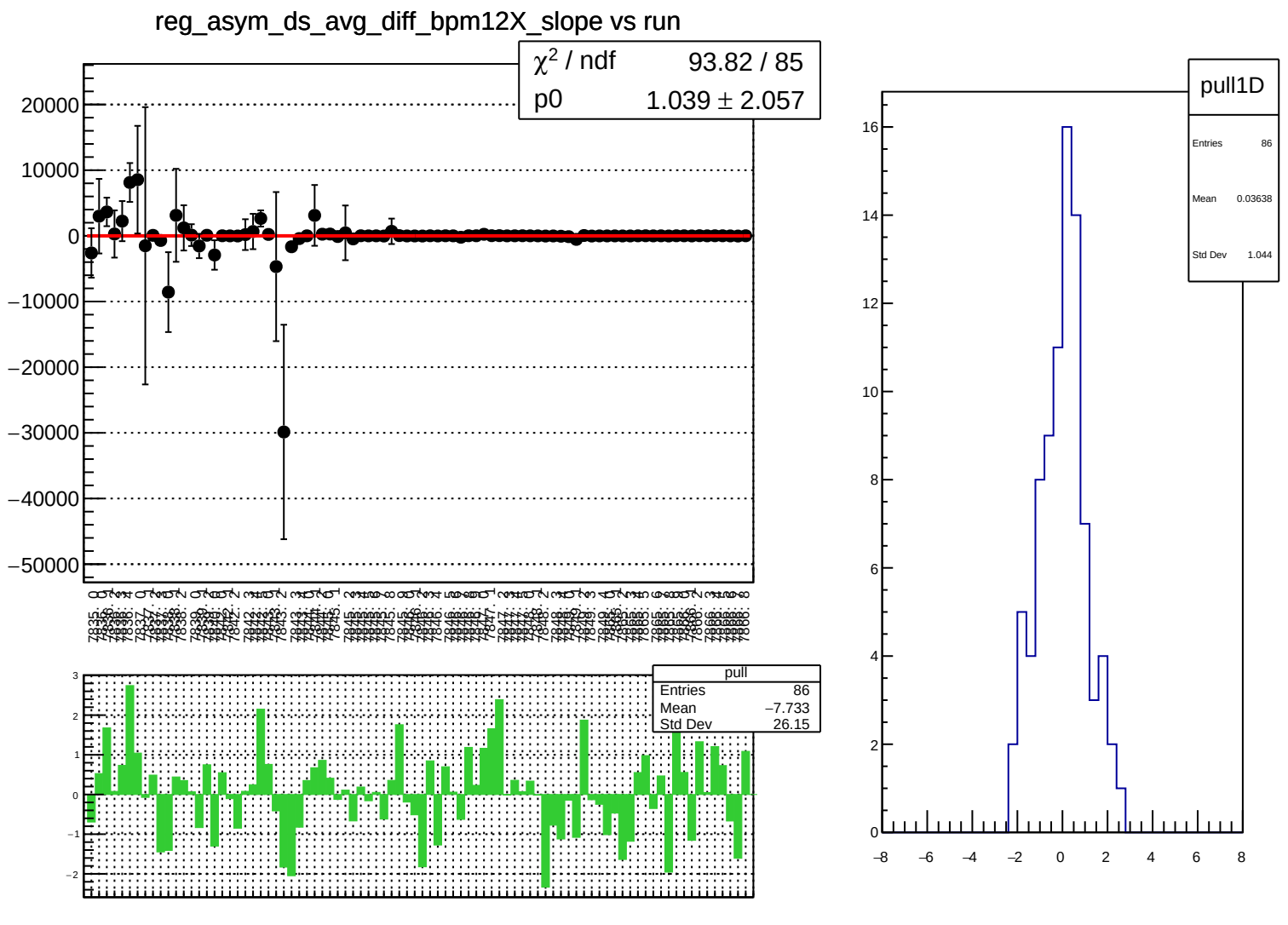

reg_asym_ds_avg_diff_bpm4aY_slope vs run
×10^3
χ² / ndf 92.58 / 85
p0 14.3 ± 62.91
pull
Entries 86
Mean 146.3
Std Dev 76

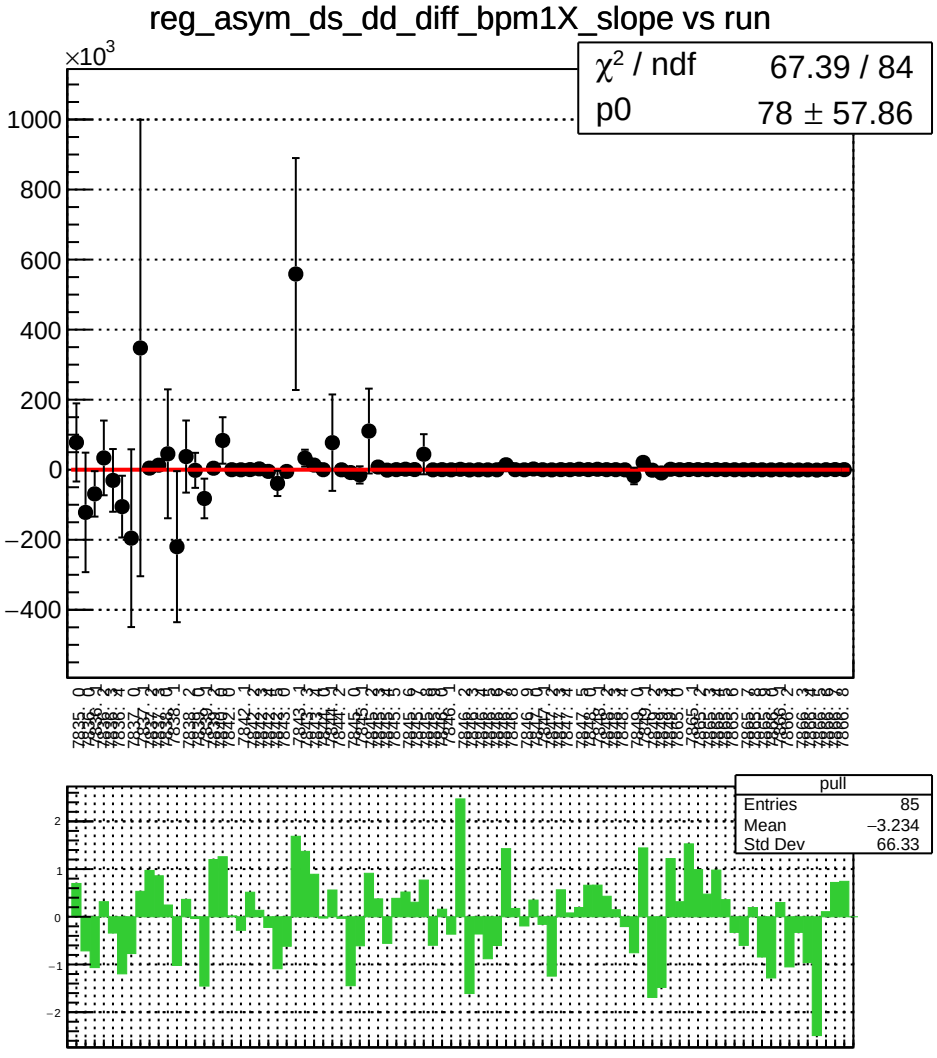

pull1D
Entries 86
Mean −0.00608
Std Dev 1.038

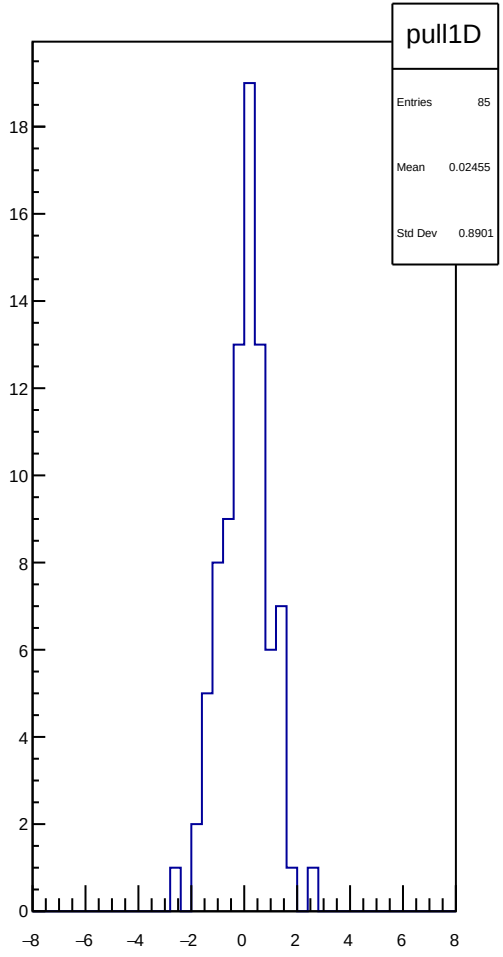

reg_asym_ds_avg_diff_bpm4eX_slope vs run
×10^3
χ² / ndf 72.18 / 85
p0 73.7 ± 51.5
1500
1000
500
0
−500
pull
Entries 86
Mean 14.19
Std Dev 38.83
2
1
0
−1
−2

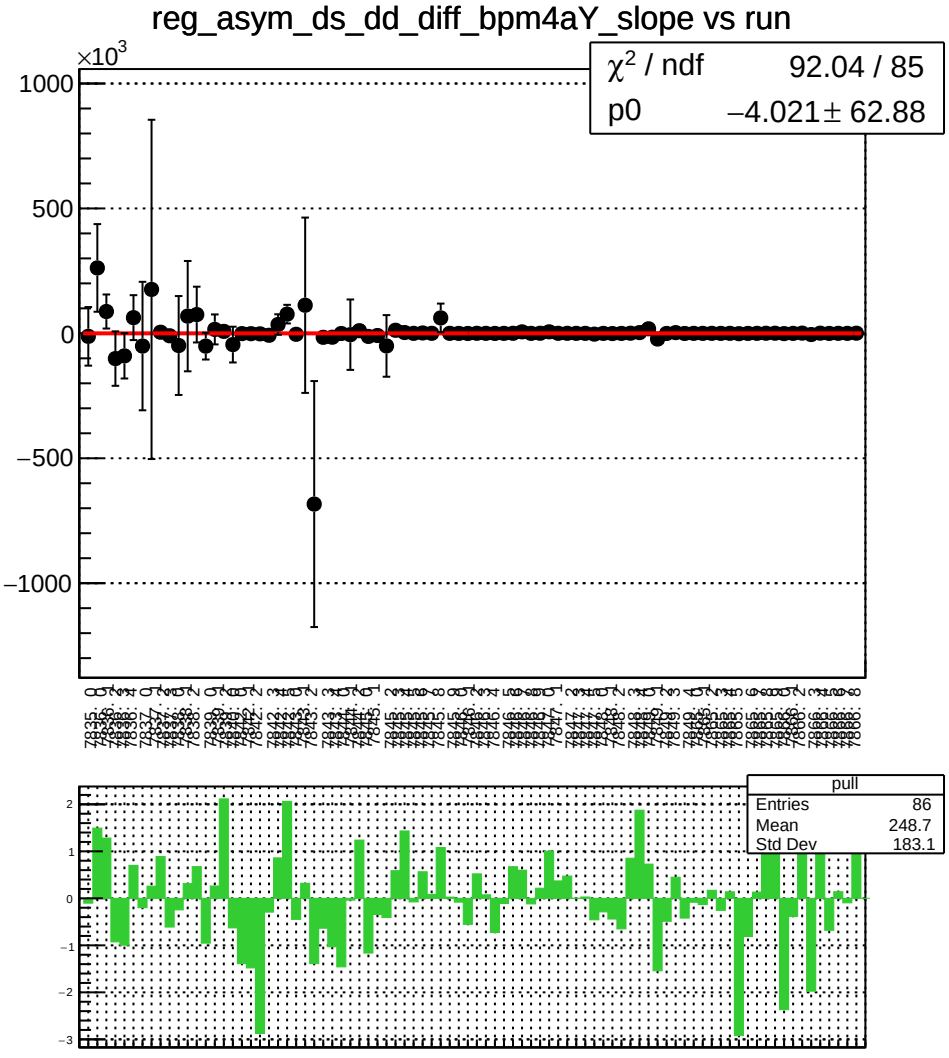

pull1D
Entries 86
Mean 0.05475
Std Dev 0.9145
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

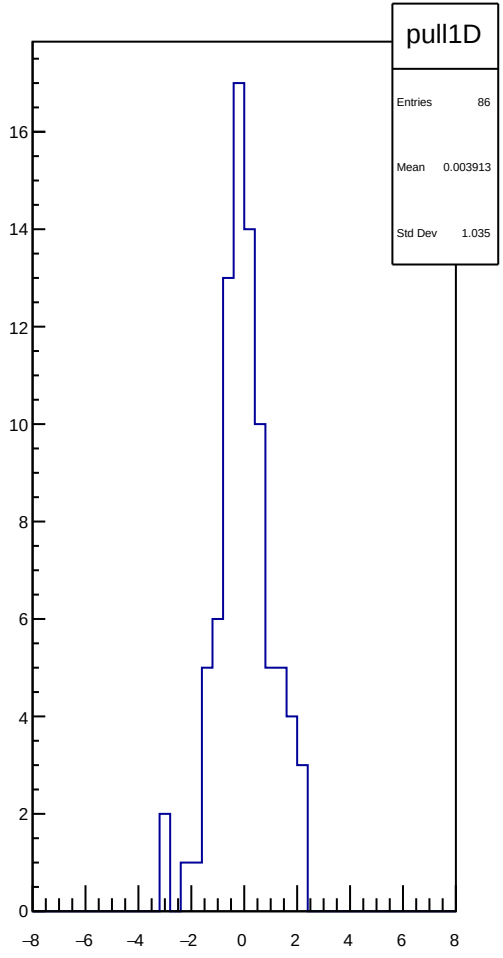

reg_asym_ds_avg_diff_bpm4eY_slope vs run
×10^3
χ² / ndf 93.3 / 85
p0 −16.86 ± 71.98
pull
Entries 86
Mean −542.7
Std Dev 590.4
pull1D
Entries 86
Mean −0.001888
Std Dev 1.042

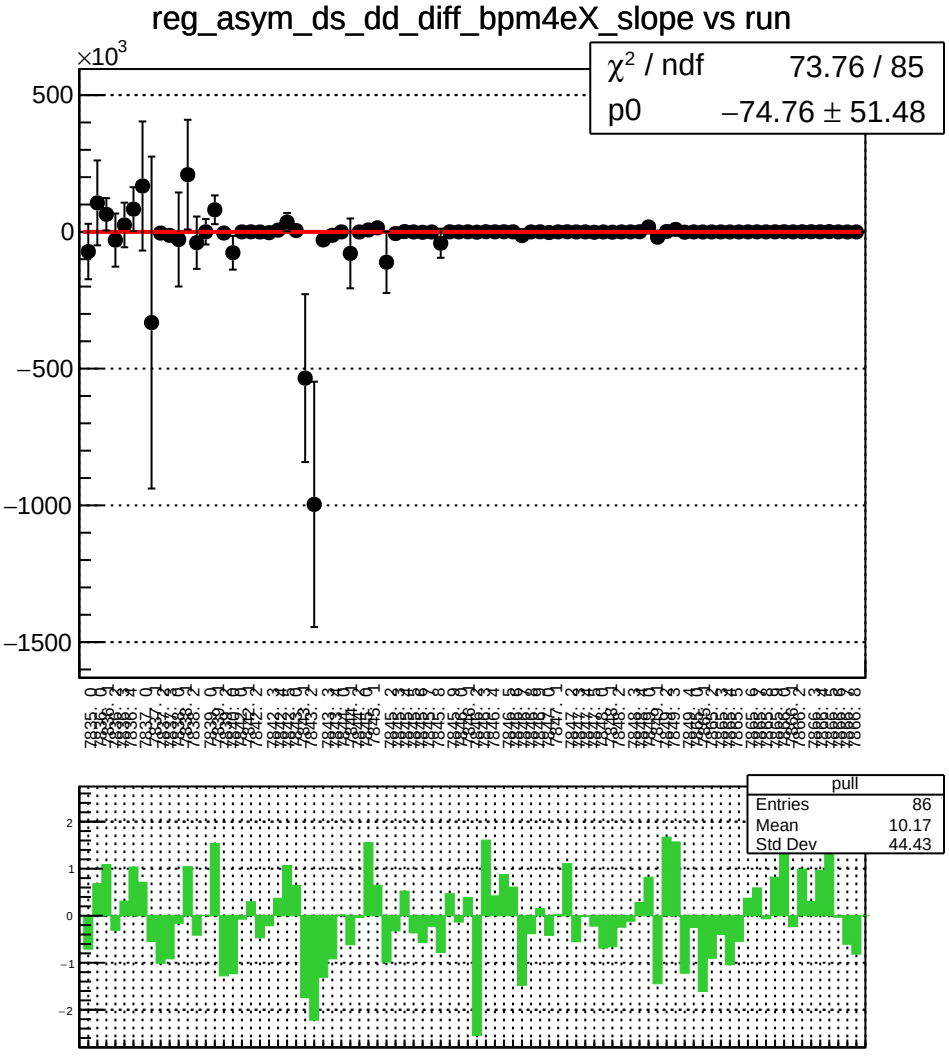

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 93.82 / 85
p0 1.039 ± 2.057
pull
Entries 86
Mean −7.733
Std Dev 26.15
pull1D
Entries 86
Mean 0.03638
Std Dev 1.044

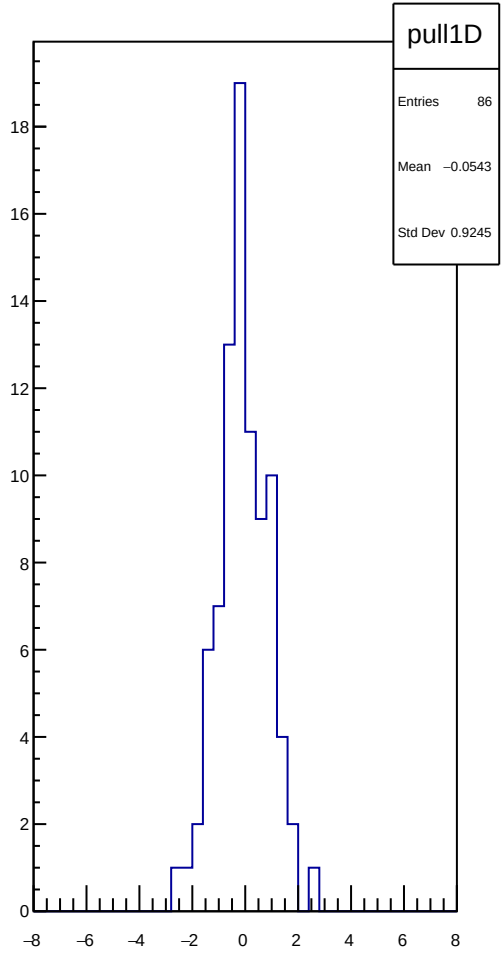

reg_asym_ds_dd_diff_bpm1X_slope vs run
×10^3
χ² / ndf 67.39 / 84
p0 78 ± 57.86
pull
Entries 85
Mean −3.234
Std Dev 66.33

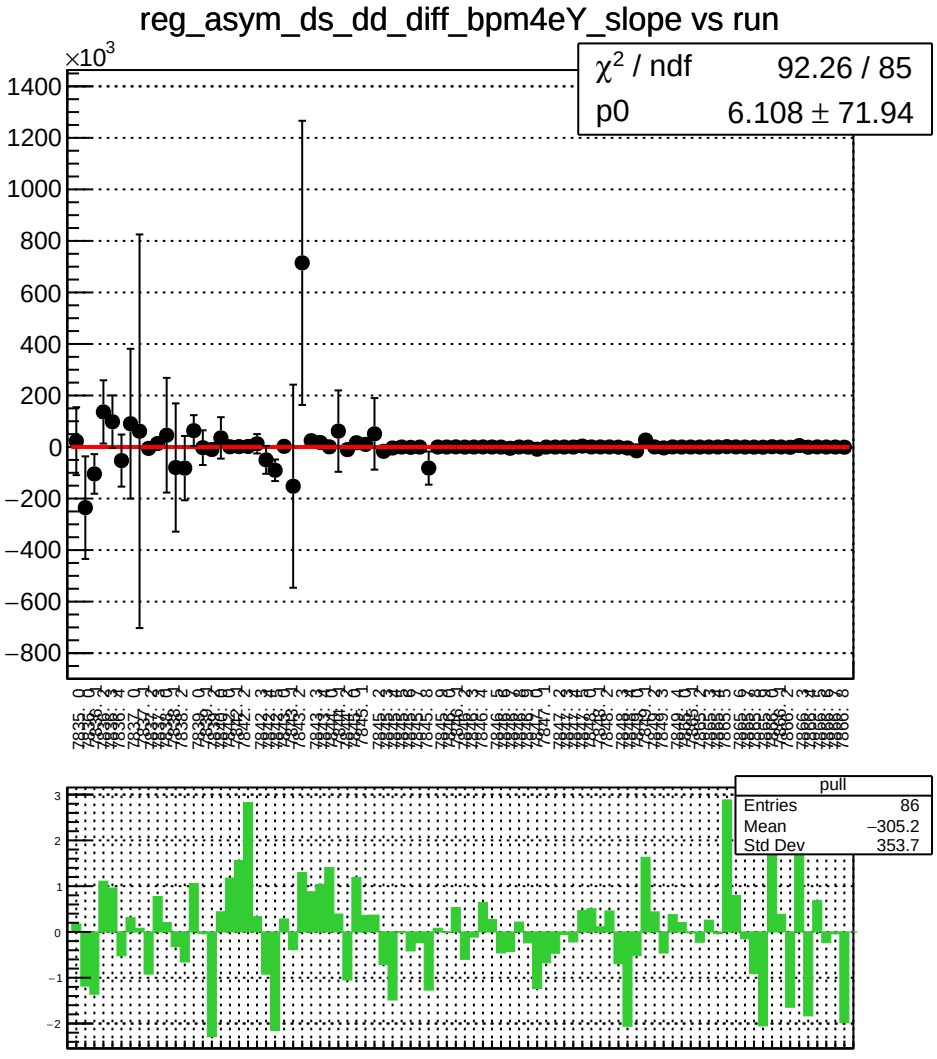

pull1D
Entries 85
Mean 0.02455
Std Dev 0.8901

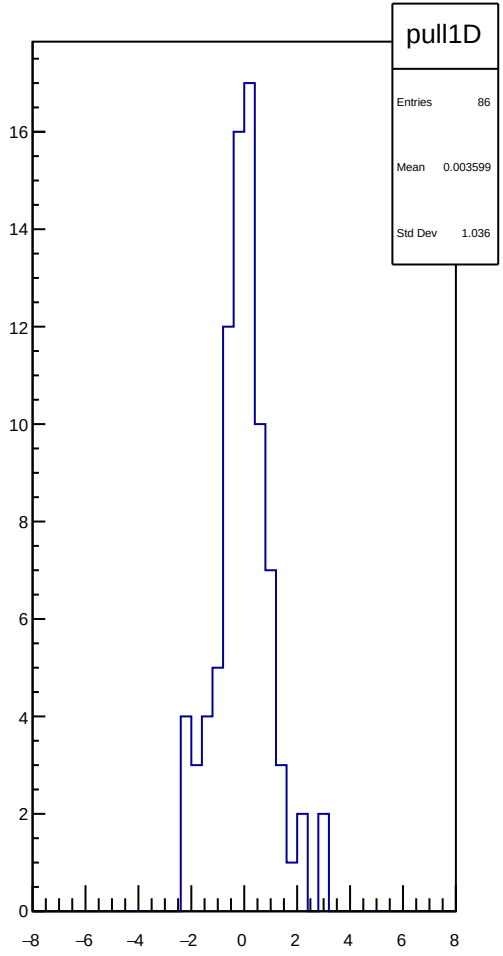

reg_asym_ds_dd_diff_bpm4aY_slope vs run
×10^3
1000
500
0
−500
−1000
χ² / ndf 92.04 / 85
p0 −4.021 ± 62.88
pull
Entries 86
Mean 248.7
Std Dev 183.1
2
1
0
−1
−2
−3

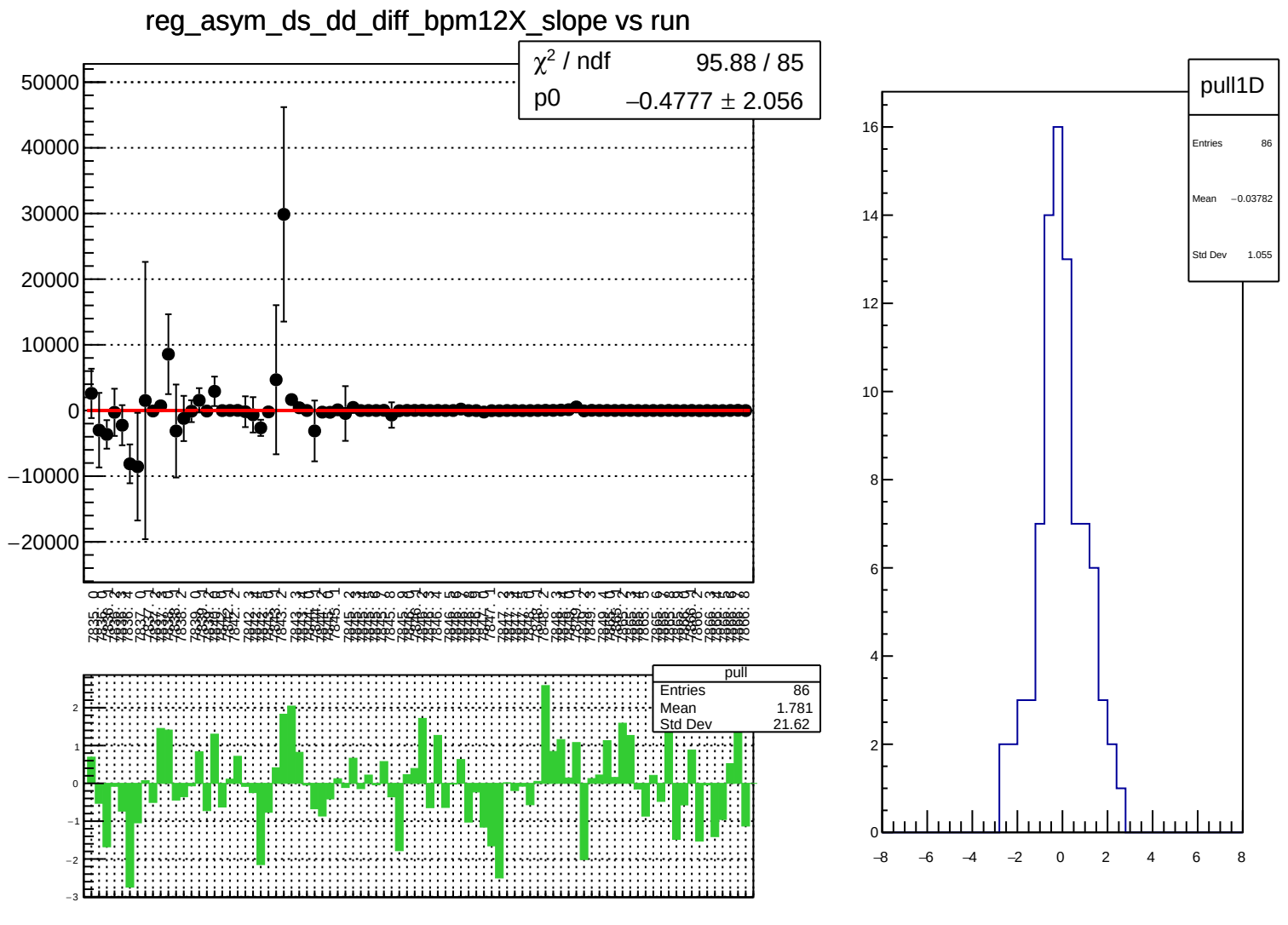

pull1D
Entries 86
Mean 0.003913
Std Dev 1.035
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

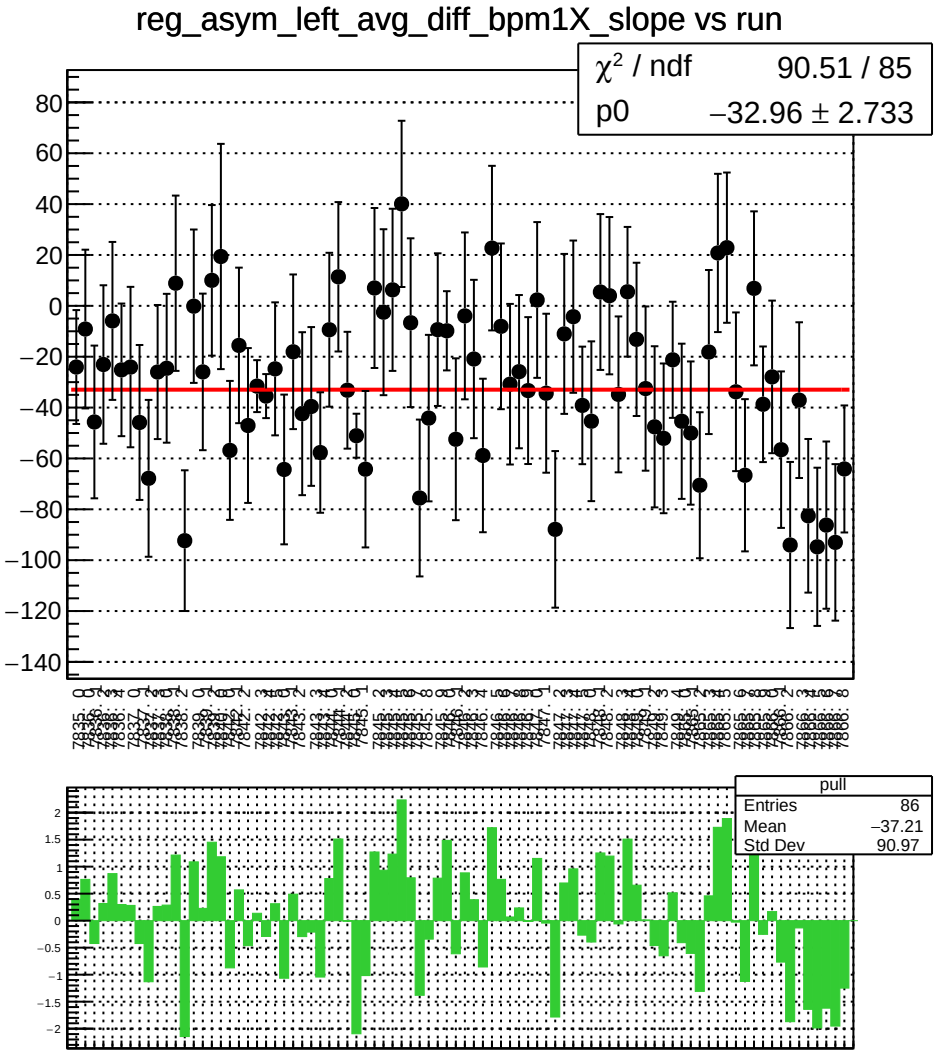

reg_asym_ds_dd_diff_bpm4eX_slope vs run
×10^3
500
0
−500
−1000
−1500
χ² / ndf 73.76 / 85
p0 −74.76 ± 51.48
pull
Entries 86
Mean 10.17
Std Dev 44.43
2
1
0
−1
−2

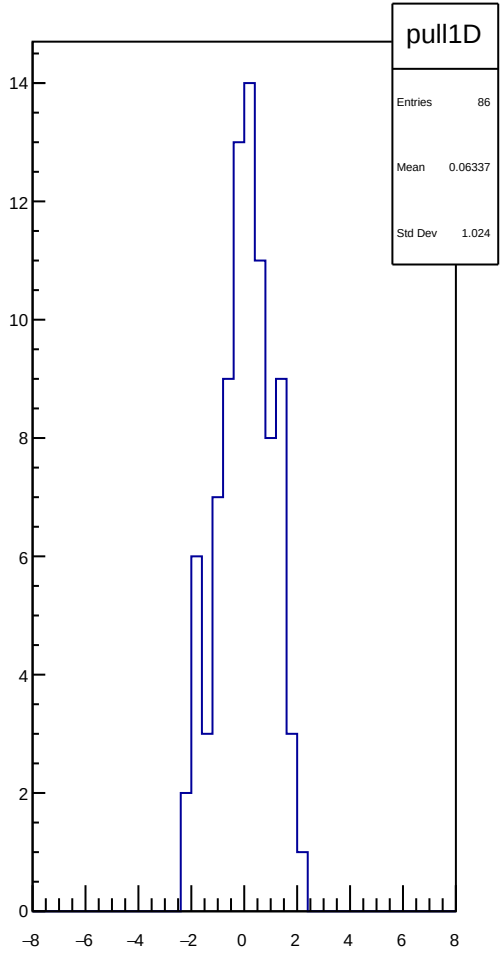

pull1D
Entries 86
Mean −0.0543
Std Dev 0.9245
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

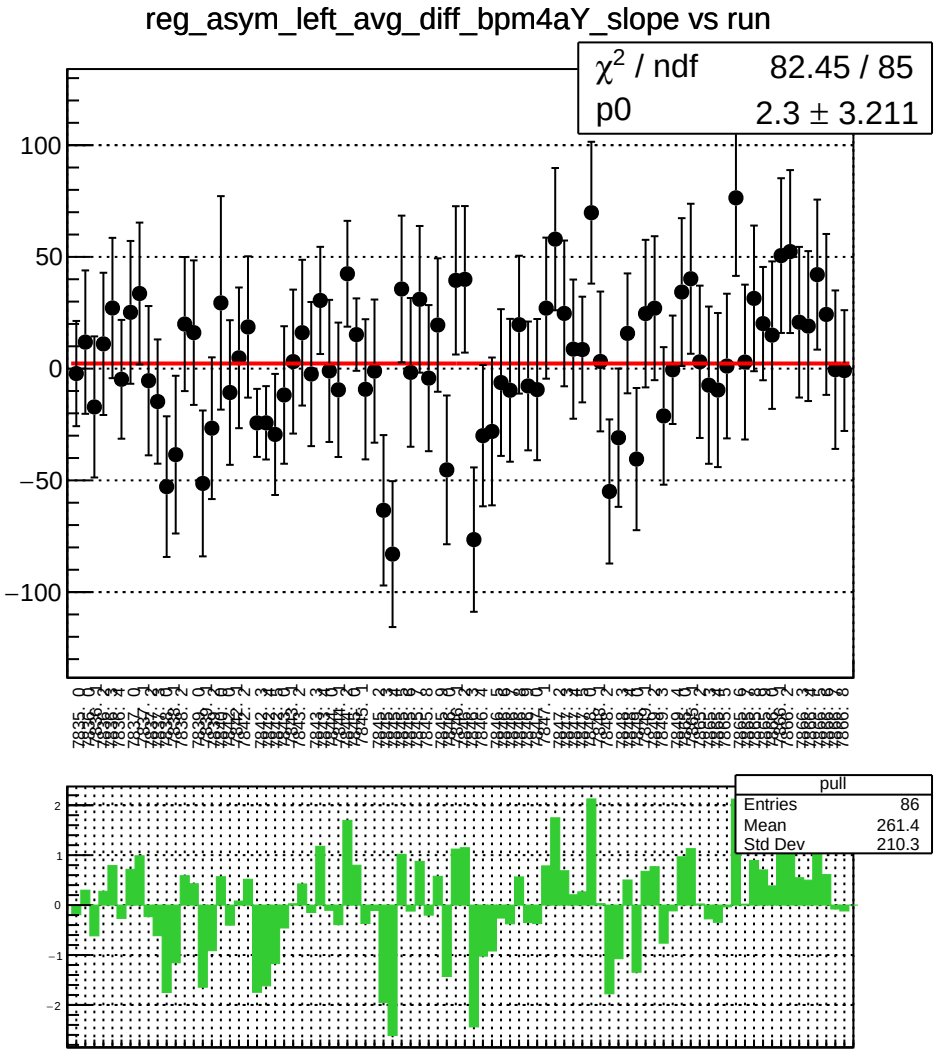

reg_asym_ds_dd_diff_bpm4eY_slope vs run
×10^3
χ^2 / ndf 92.26 / 85
p0 6.108 ± 71.94
pull
Entries 86
Mean −305.2
Std Dev 353.7

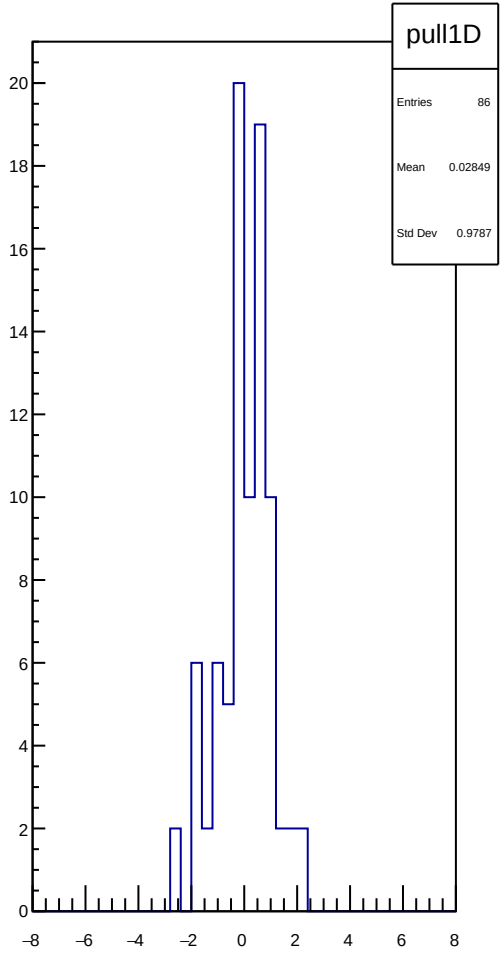

pull1D
Entries 86
Mean 0.003599
Std Dev 1.036

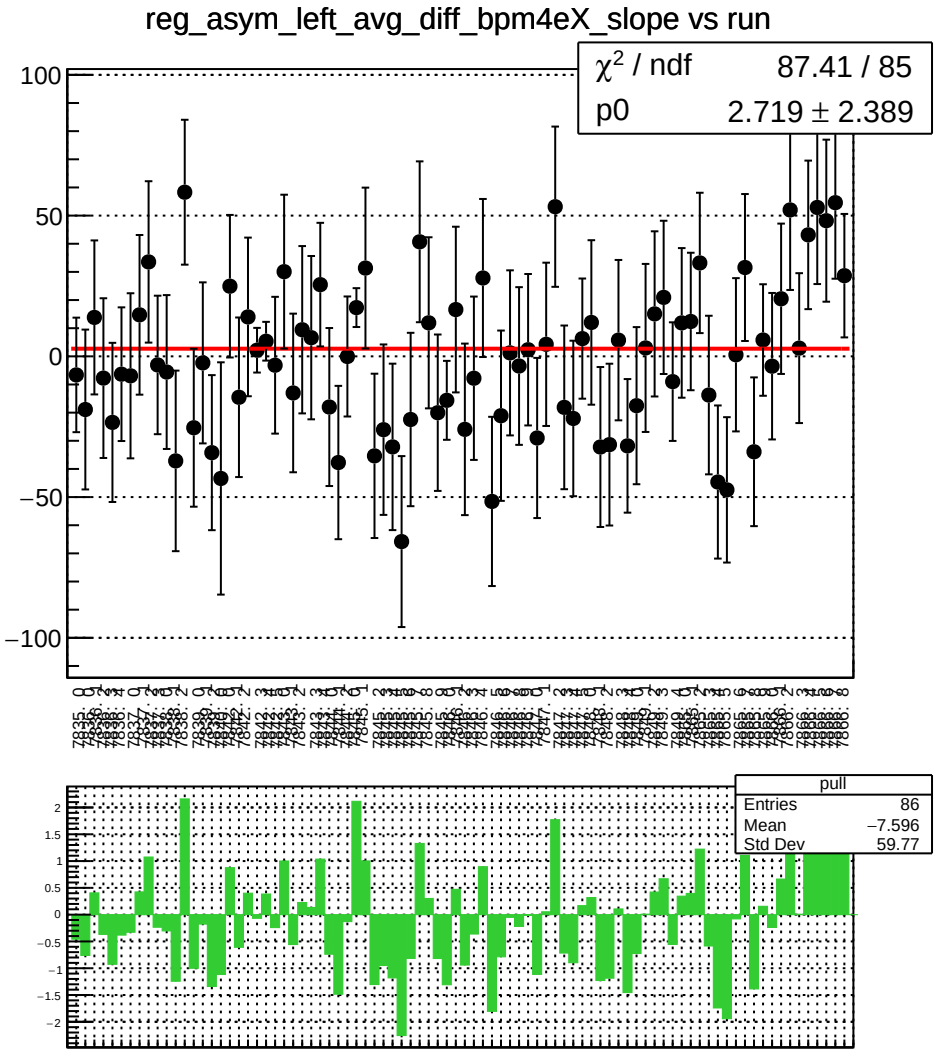

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 95.88 / 85
p0 −0.4777 ± 2.056
pull
Entries 86
Mean 1.781
Std Dev 21.62
pull1D
Entries 86
Mean −0.03782
Std Dev 1.055

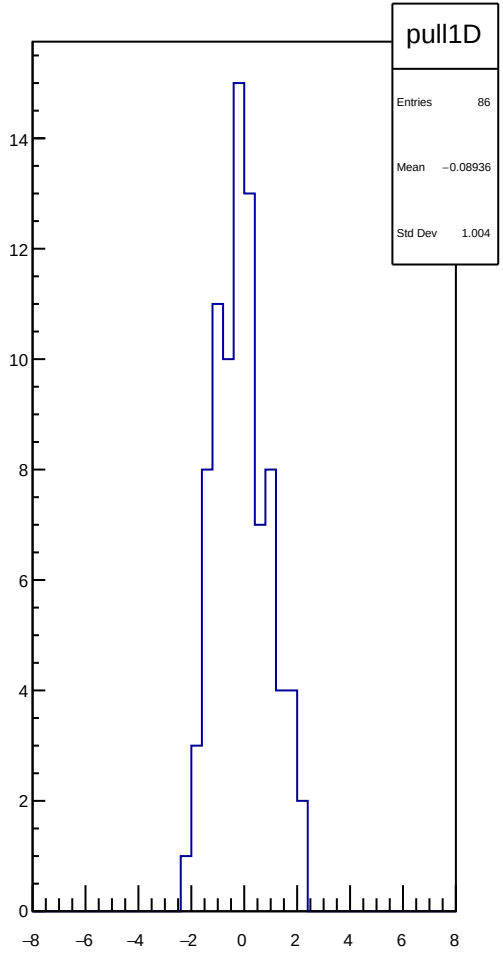

reg_asym_left_avg_diff_bpm1X_slope vs run
χ^2 / ndf 90.51 / 85
p0 −32.96 ± 2.733
pull
Entries 86
Mean −37.21
Std Dev 90.97

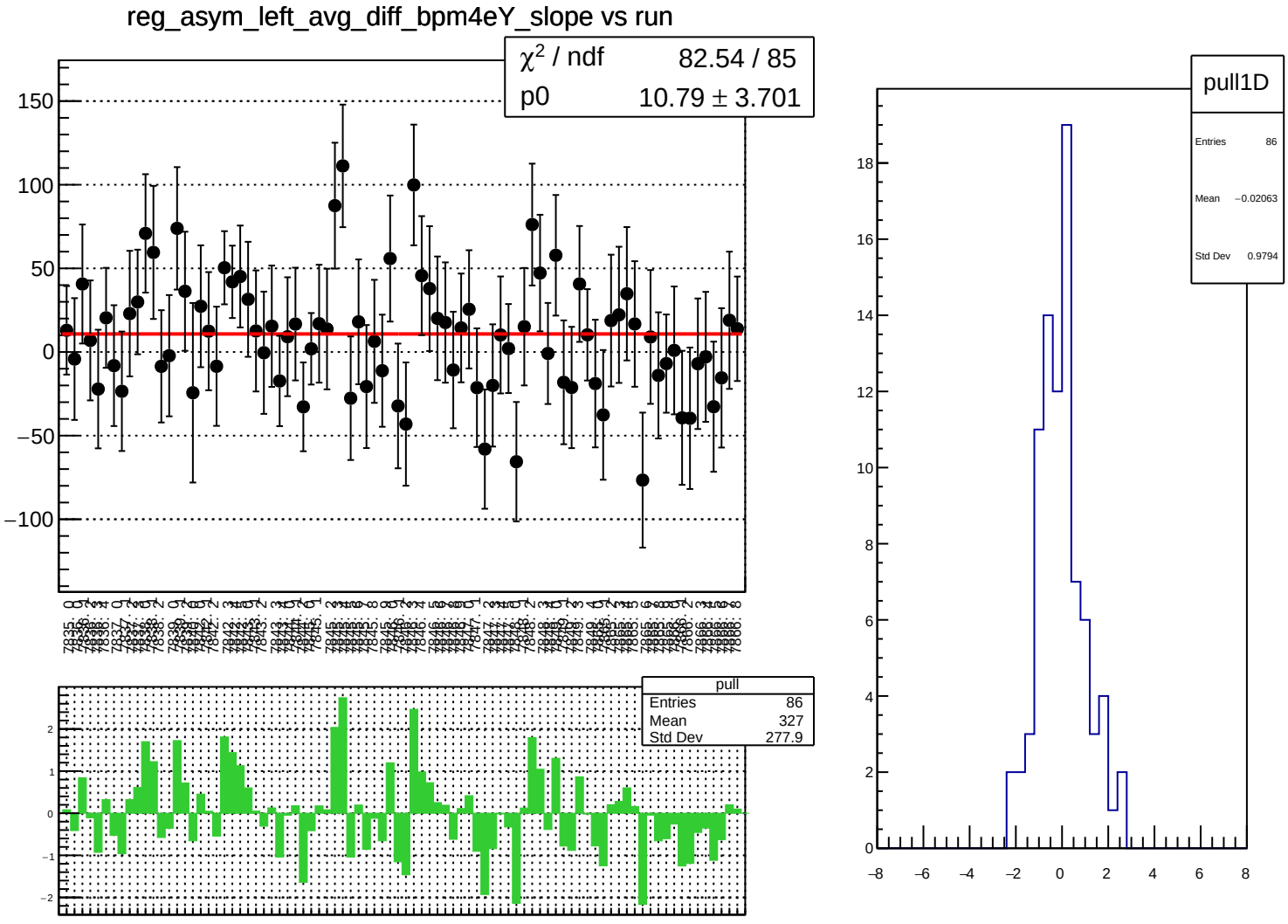

pull1D
Entries 86
Mean 0.06337
Std Dev 1.024

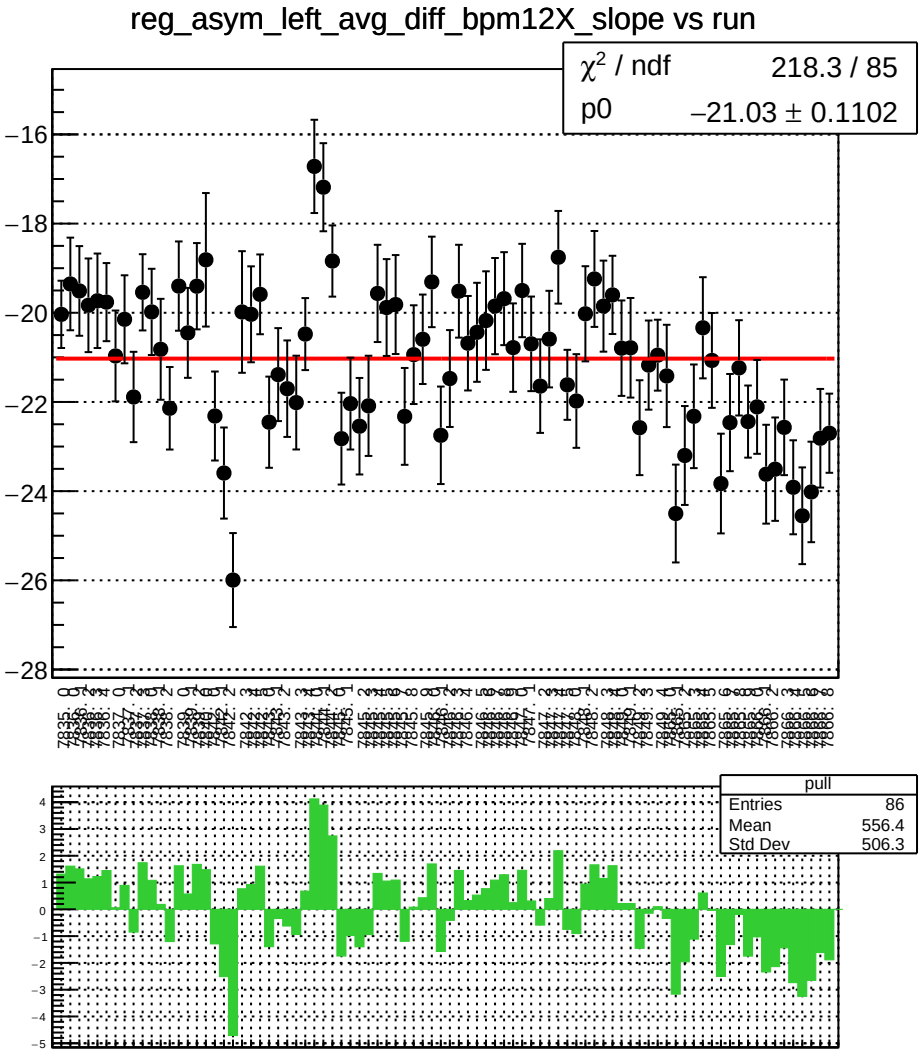

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 82.45 / 85
p0 2.3 ± 3.211
pull
Entries 86
Mean 261.4
Std Dev 210.3

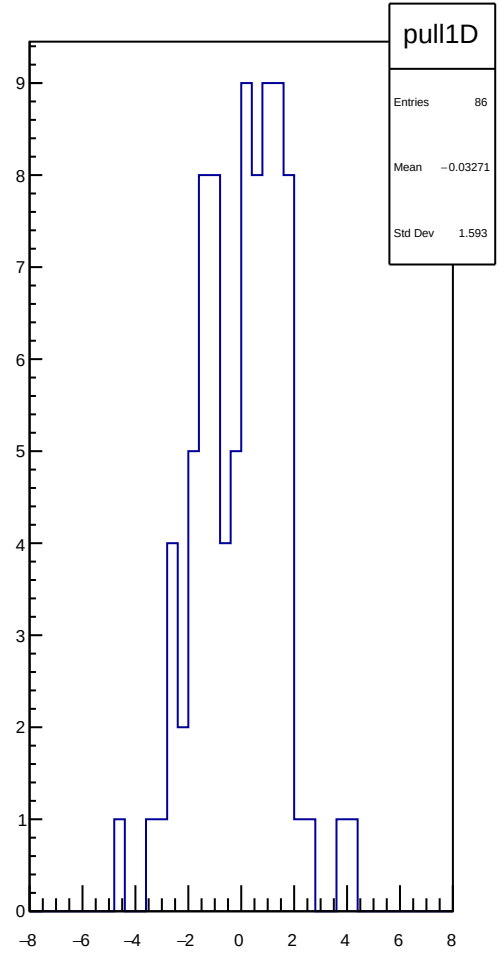

pull1D
Entries 86
Mean 0.02849
Std Dev 0.9787

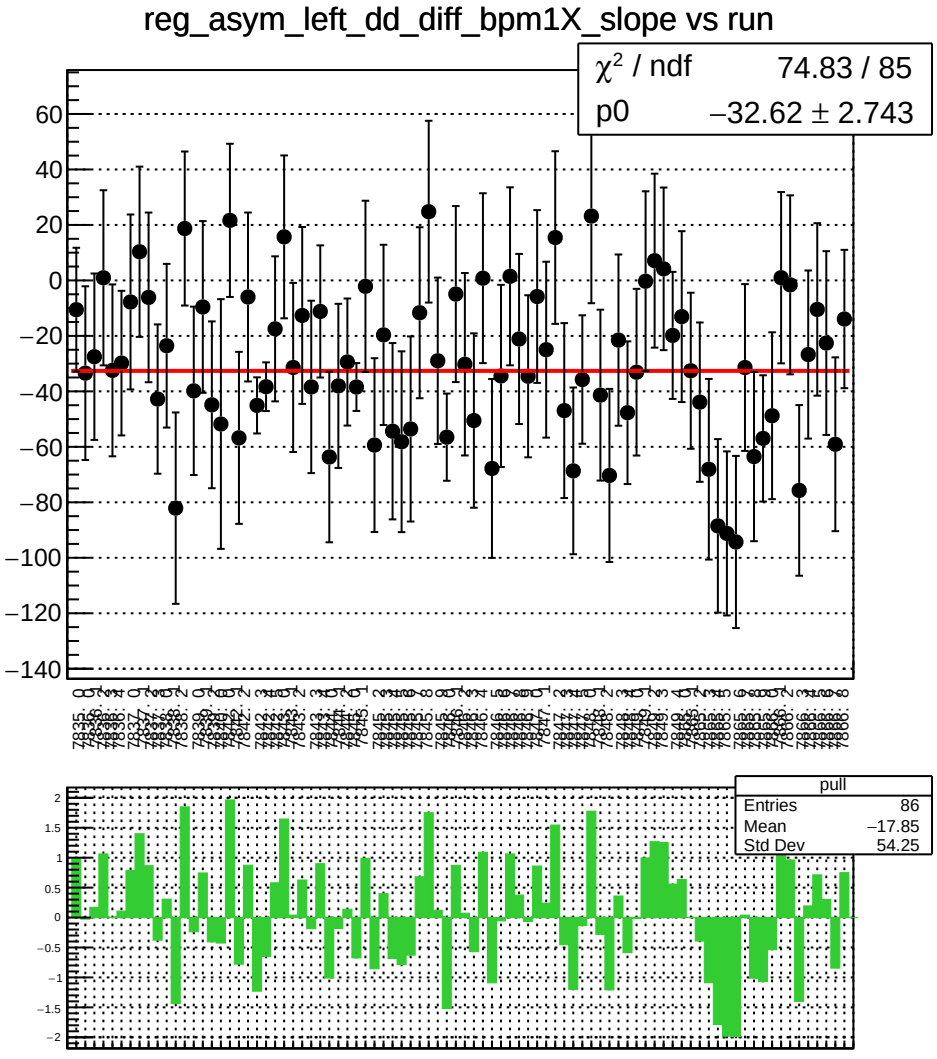

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 87.41 / 85
p0 2.719 ± 2.389
pull
Entries 86
Mean −7.596
Std Dev 59.77

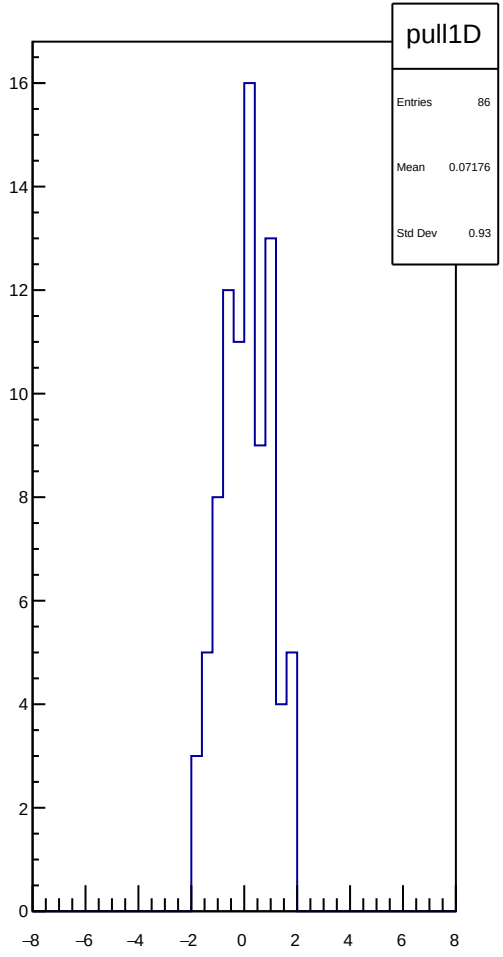

pull1D
Entries 86
Mean −0.08936
Std Dev 1.004

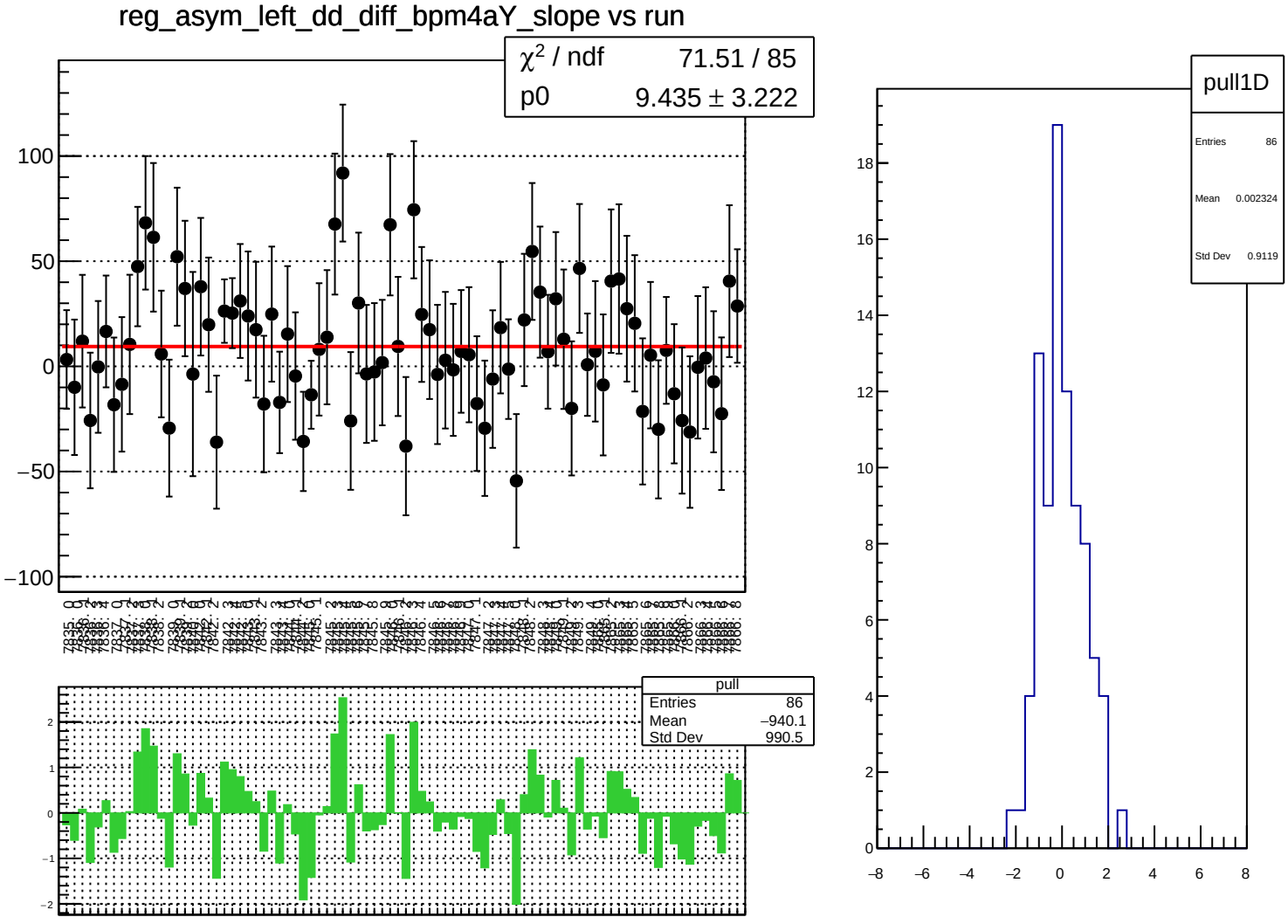

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 82.54 / 85
p0 10.79 ± 3.701
150
100
50
0
−50
−100
pull
Entries 86
Mean 327
Std Dev 277.9
2
1
0
−1
−2
pull1D
Entries 86
Mean −0.02063
Std Dev 0.9794
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

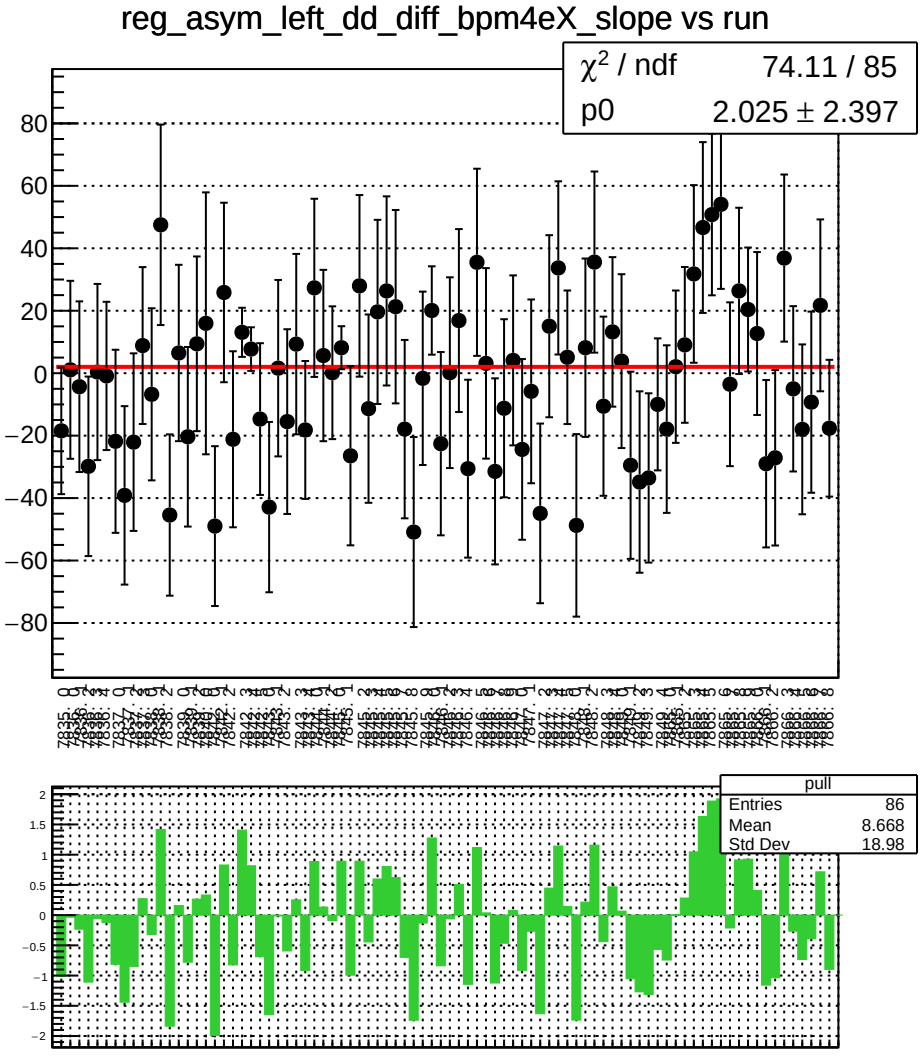

reg_asym_left_avg_diff_bpm12X_slope vs run
χ^2 / ndf 218.3 / 85
p0 −21.03 ± 0.1102
pull
Entries 86
Mean 556.4
Std Dev 506.3

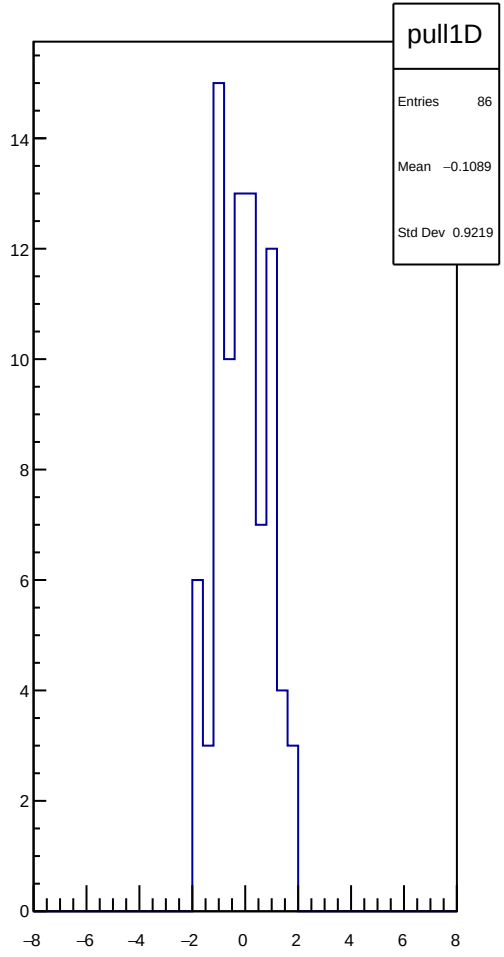

pull1D
Entries 86
Mean −0.03271
Std Dev 1.593

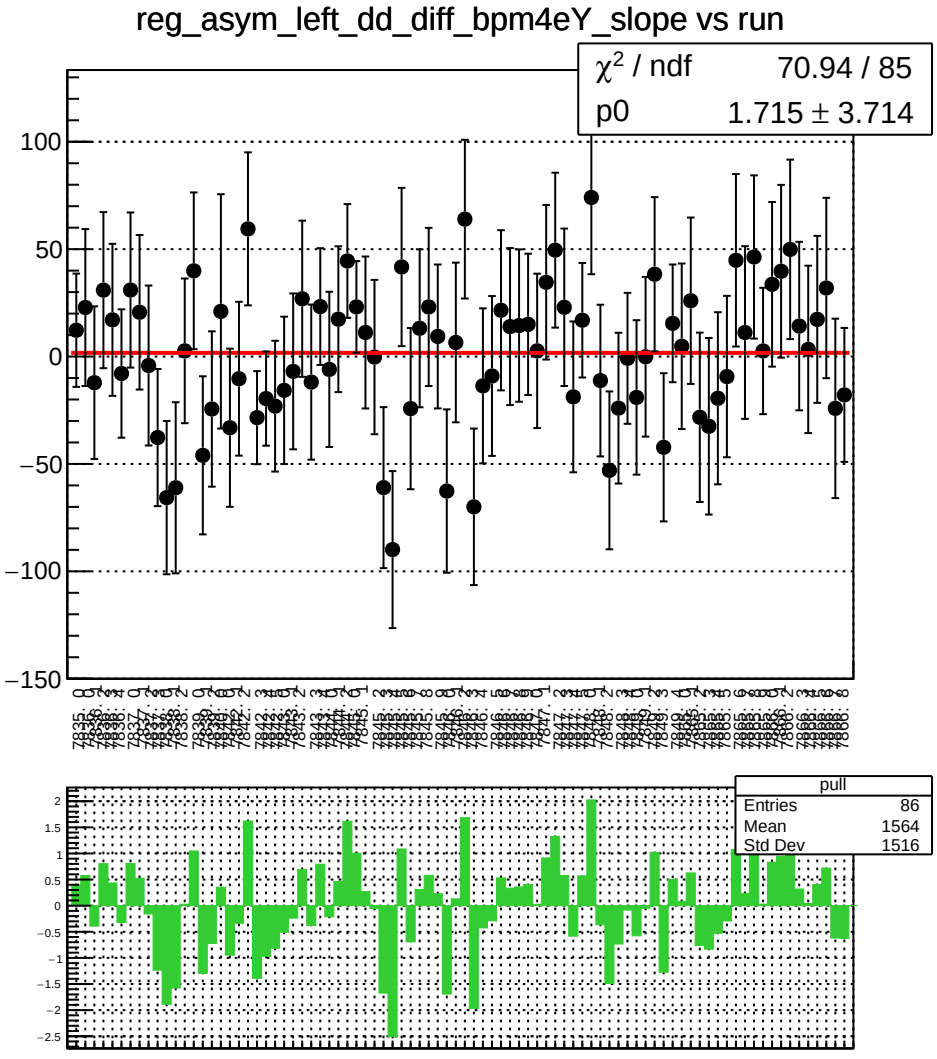

reg_asym_left_dd_diff_bpm1X_slope vs run
χ^2 / ndf 74.83 / 85
p0 −32.62 ± 2.743
pull
Entries 86
Mean −17.85
Std Dev 54.25

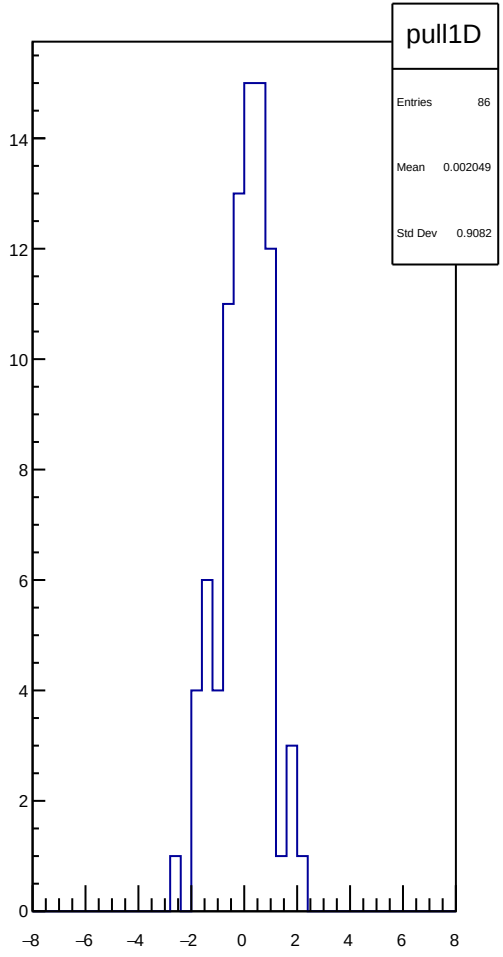

pull1D
Entries 86
Mean 0.07176
Std Dev 0.93

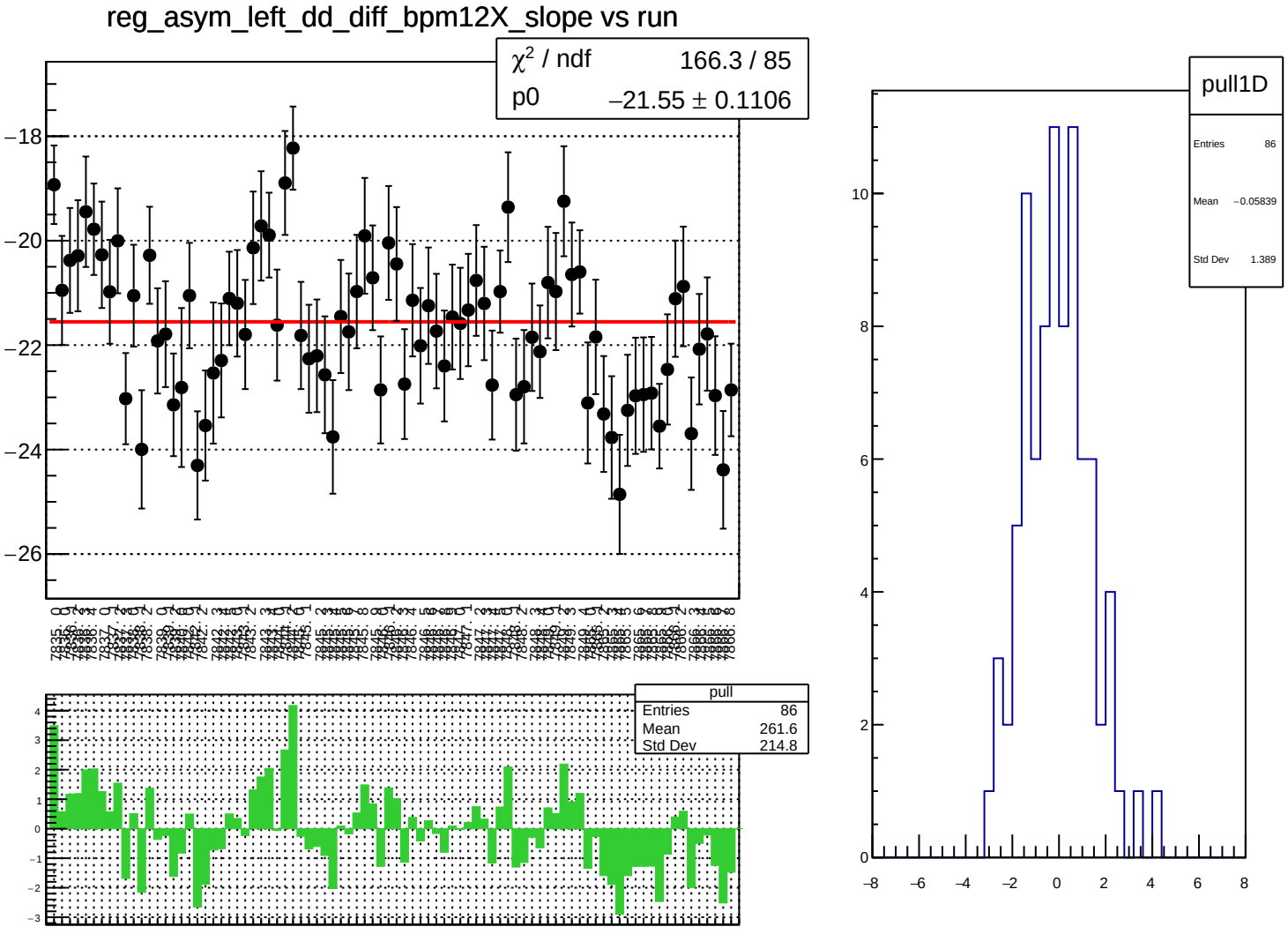

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 71.51 / 85
p0 9.435 ± 3.222
pull
Entries 86
Mean −940.1
Std Dev 990.5
pull1D
Entries 86
Mean 0.002324
Std Dev 0.9119

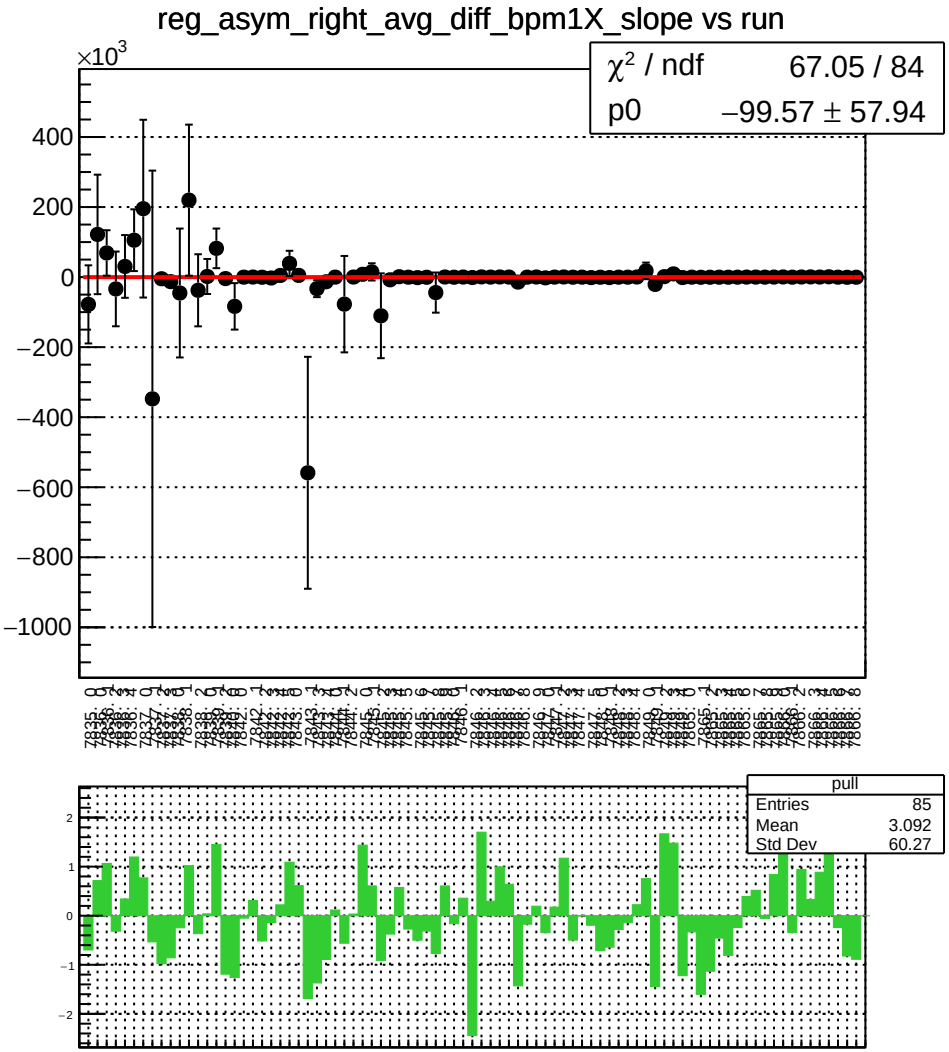

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 74.11 / 85
p0 2.025 ± 2.397
pull
Entries 86
Mean 8.668
Std Dev 18.98

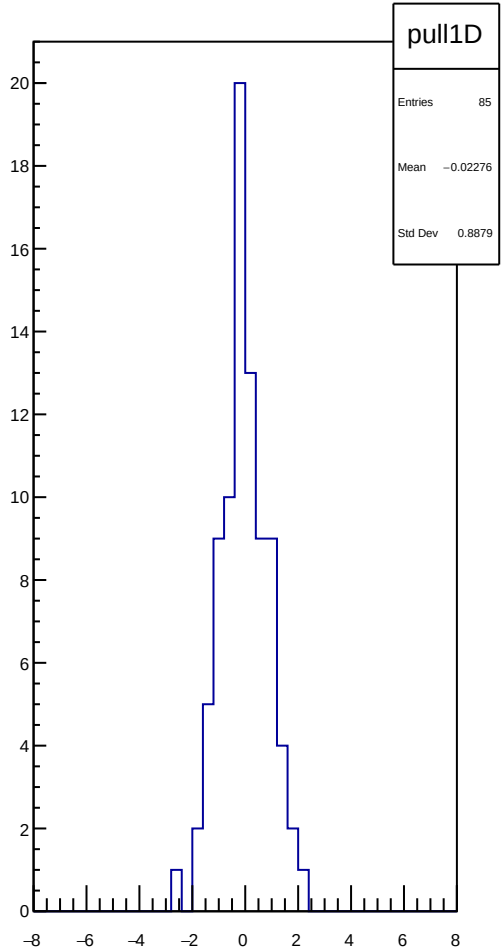

pull1D
Entries 86
Mean −0.1089
Std Dev 0.9219

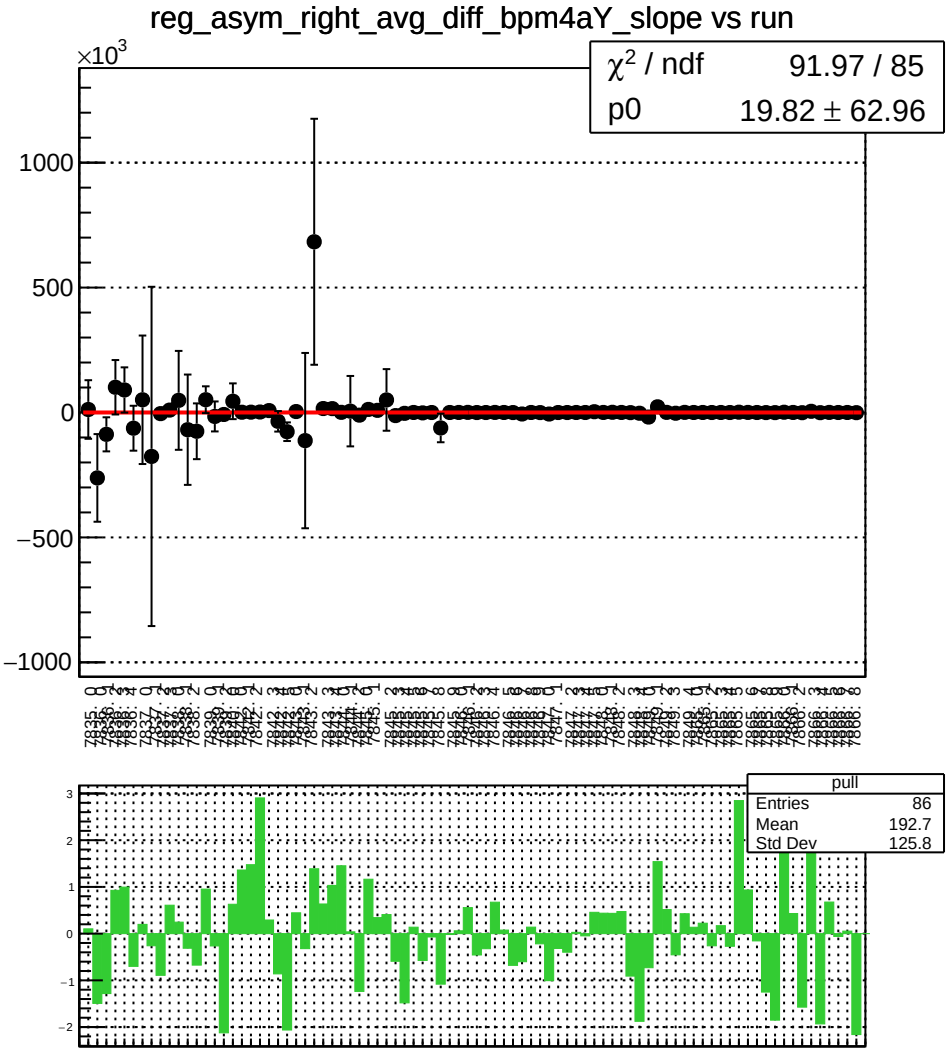

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 70.94 / 85
p0 1.715 ± 3.714
pull
Entries 86
Mean 1564
Std Dev 1516

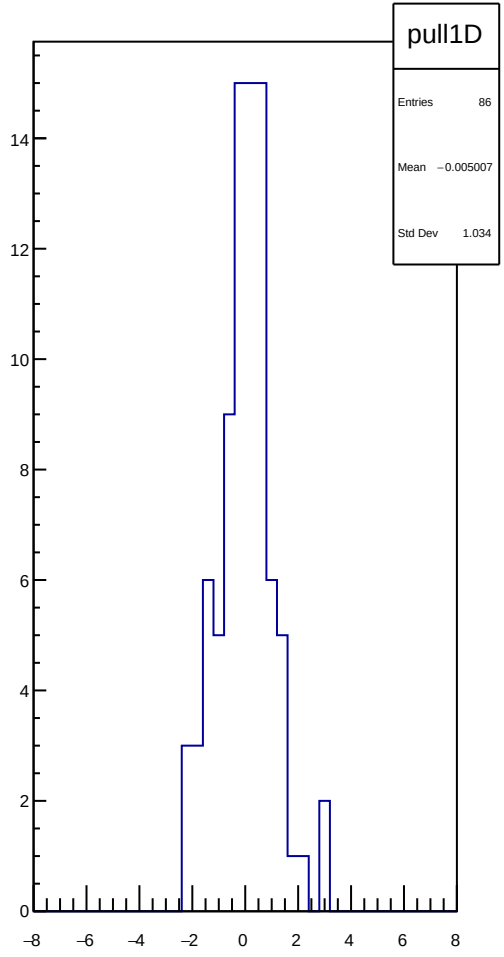

pull1D
Entries 86
Mean 0.002049
Std Dev 0.9082

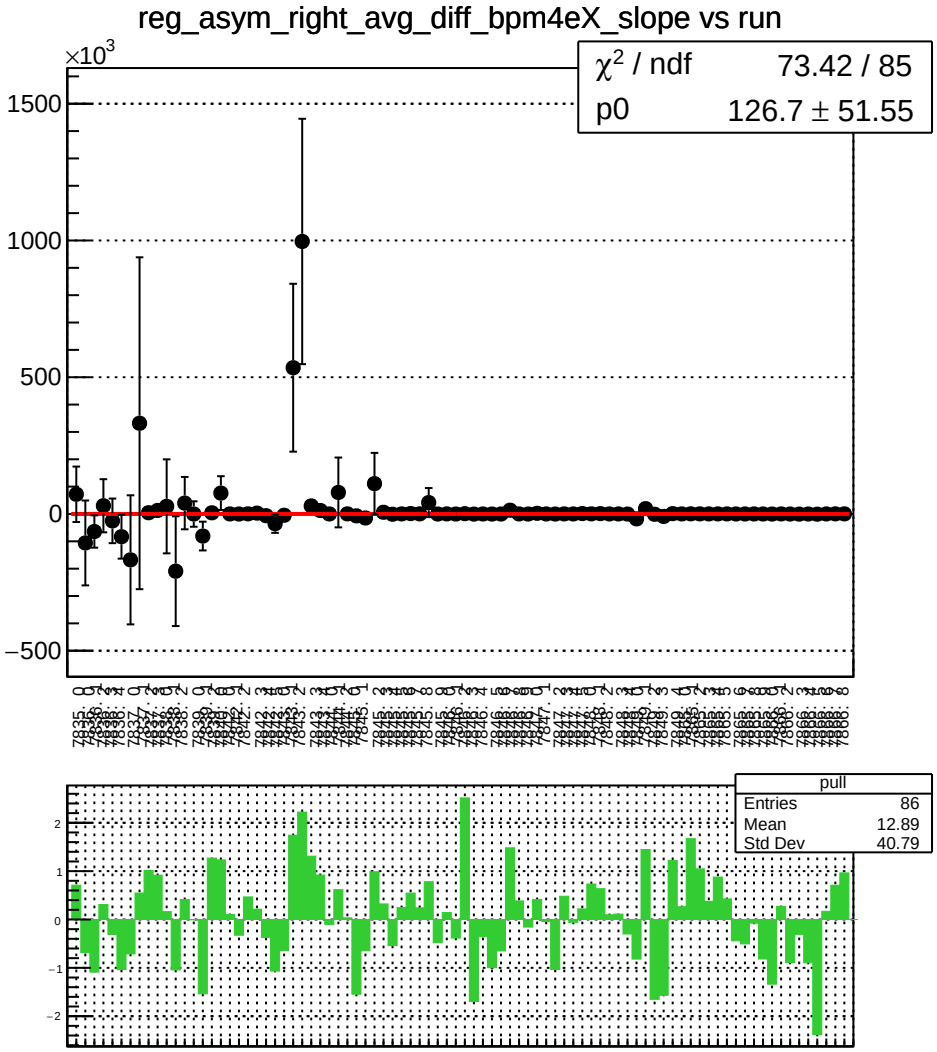

reg_asym_left_dd_diff_bpm12X_slope vs run
χ^2 / ndf 166.3 / 85
p0 −21.55 ± 0.1106
−18
−20
−22
−24
−26
pull
Entries 86
Mean 261.6
Std Dev 214.8
pull1D
Entries 86
Mean −0.05839
Std Dev 1.389

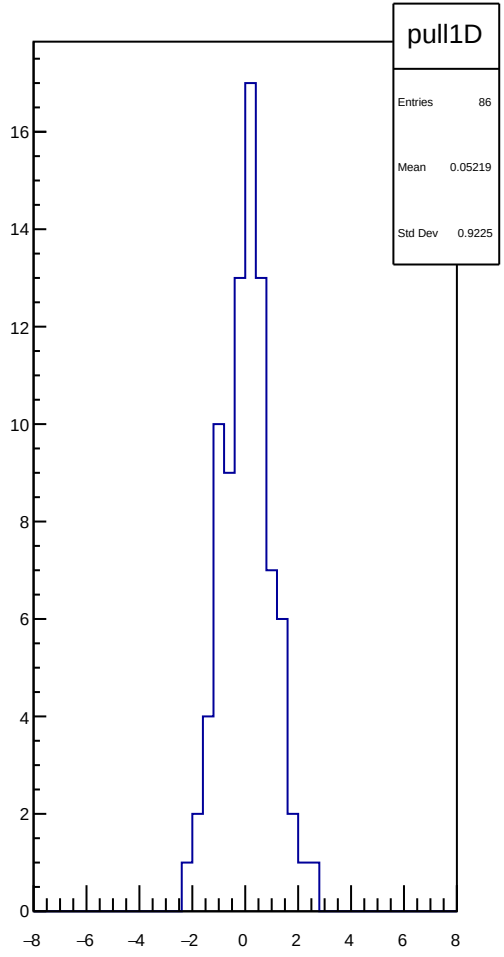

reg_asym_right_avg_diff_bpm1X_slope vs run
×10^3
χ² / ndf 67.05 / 84
p0 −99.57 ± 57.94
pull
Entries 85
Mean 3.092
Std Dev 60.27

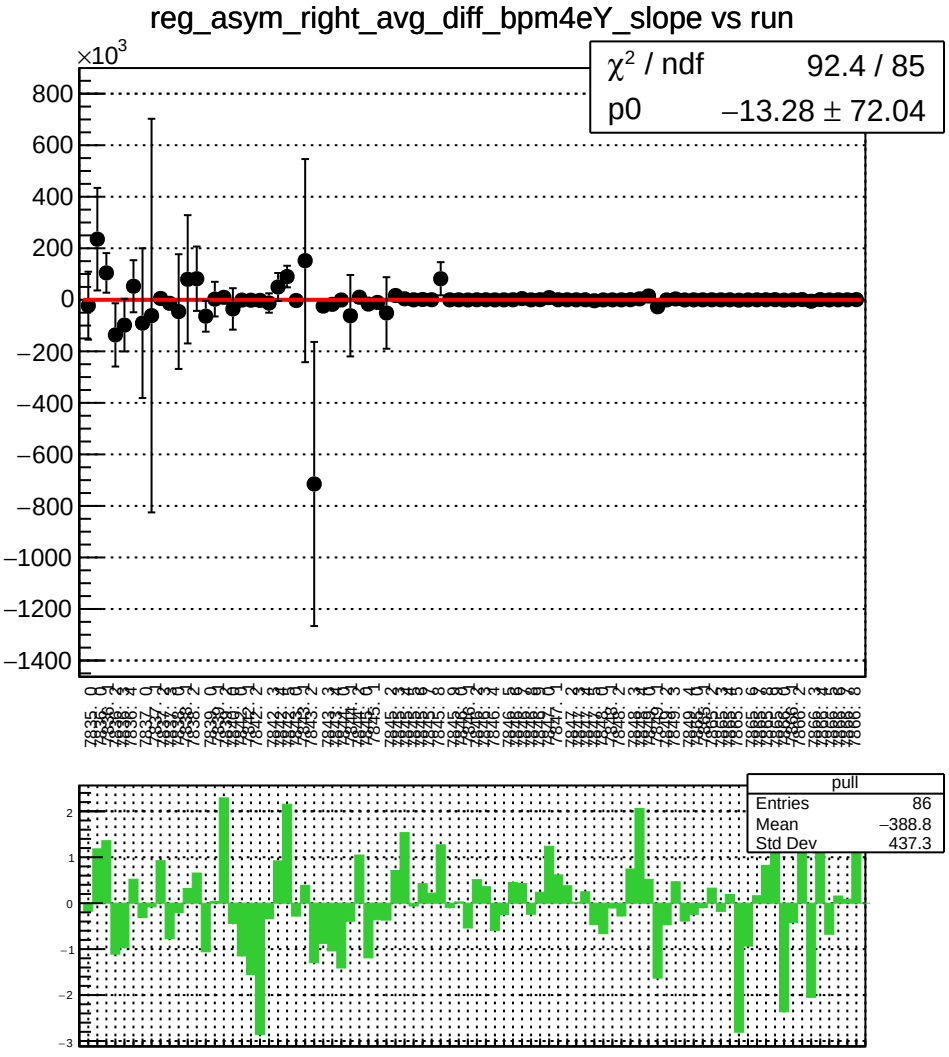

pull1D
Entries 85
Mean −0.02276
Std Dev 0.8879

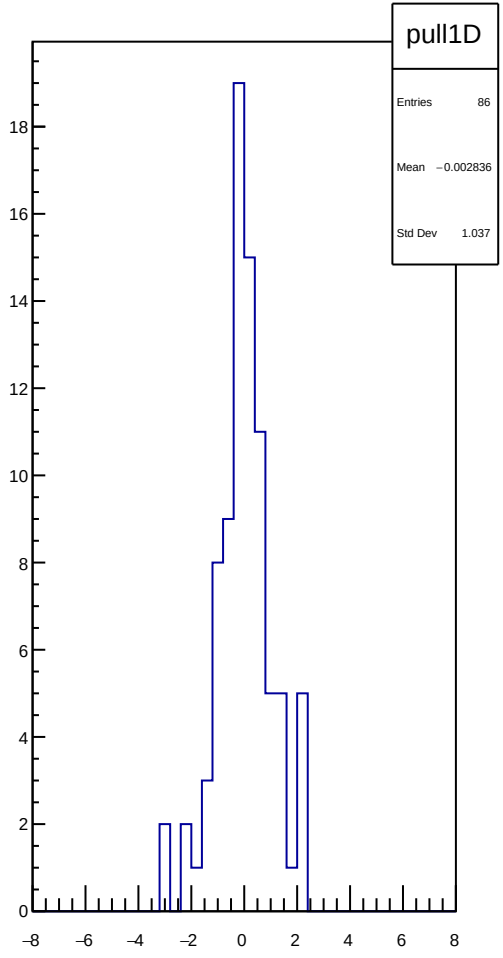

reg_asym_right_avg_diff_bpm4aY_slope vs run
×10^3
χ² / ndf 91.97 / 85
p0 19.82 ± 62.96
1000
500
0
−500
−1000
pull
Entries 86
Mean 192.7
Std Dev 125.8
3
2
1
0
−1
−2

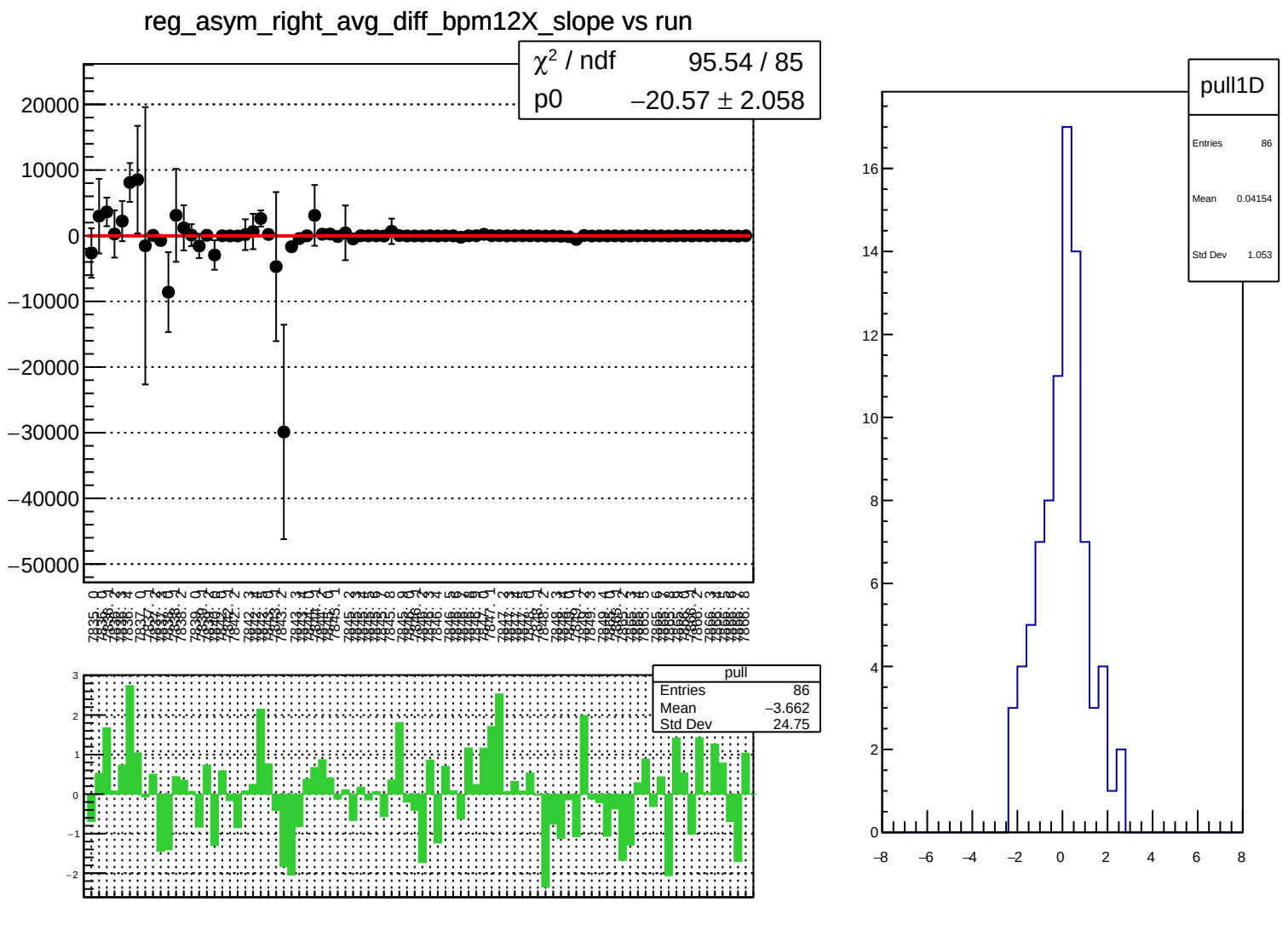

pull1D
Entries 86
Mean −0.005007
Std Dev 1.034
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

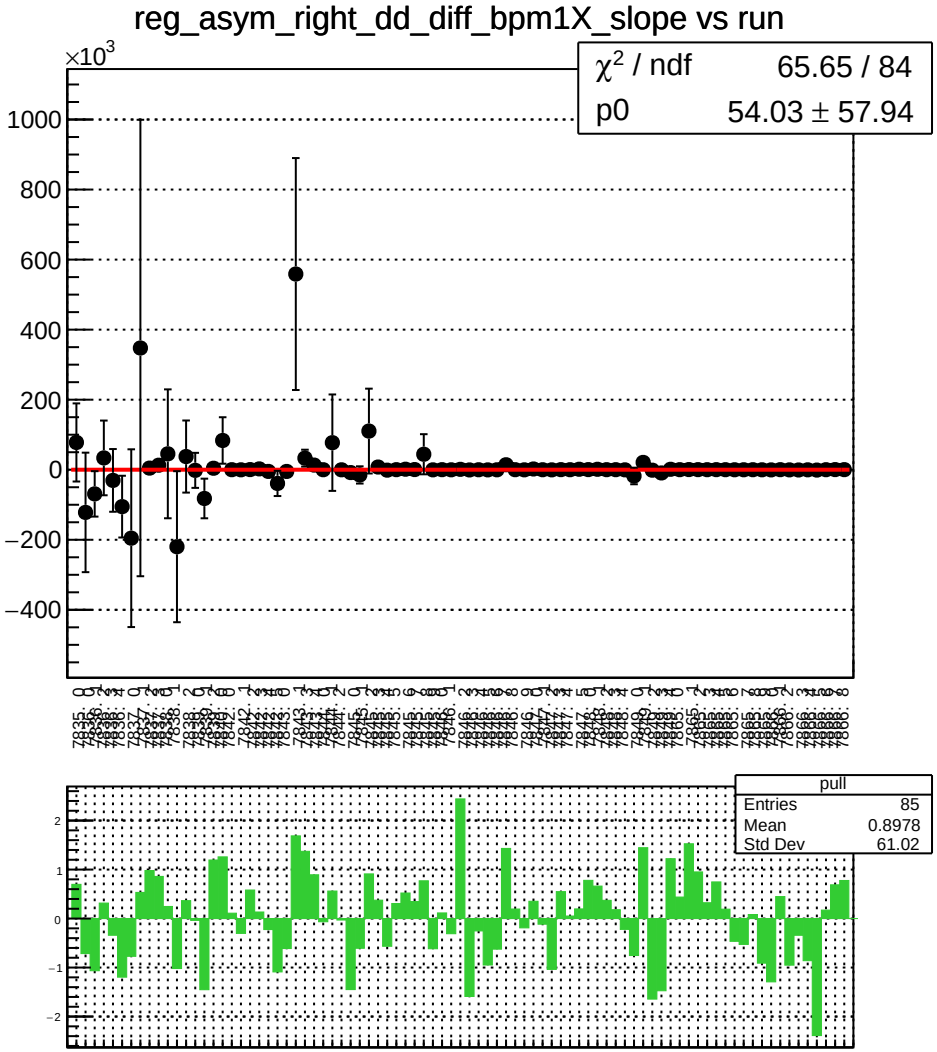

reg_asym_right_avg_diff_bpm4eX_slope vs run
×10^3
χ² / ndf 73.42 / 85
p0 126.7 ± 51.55
1500
1000
500
0
−500
pull
Entries 86
Mean 12.89
Std Dev 40.79
2
1
0
−1
−2

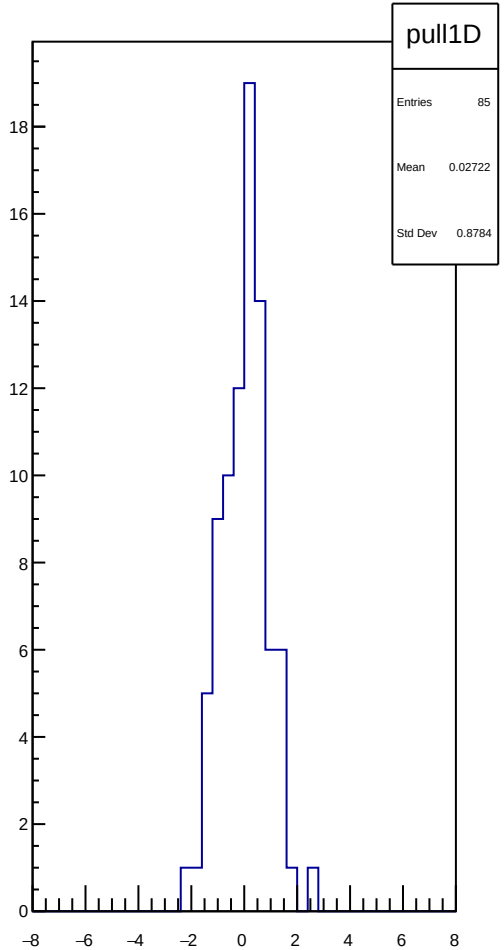

pull1D
Entries 86
Mean 0.05219
Std Dev 0.9225
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

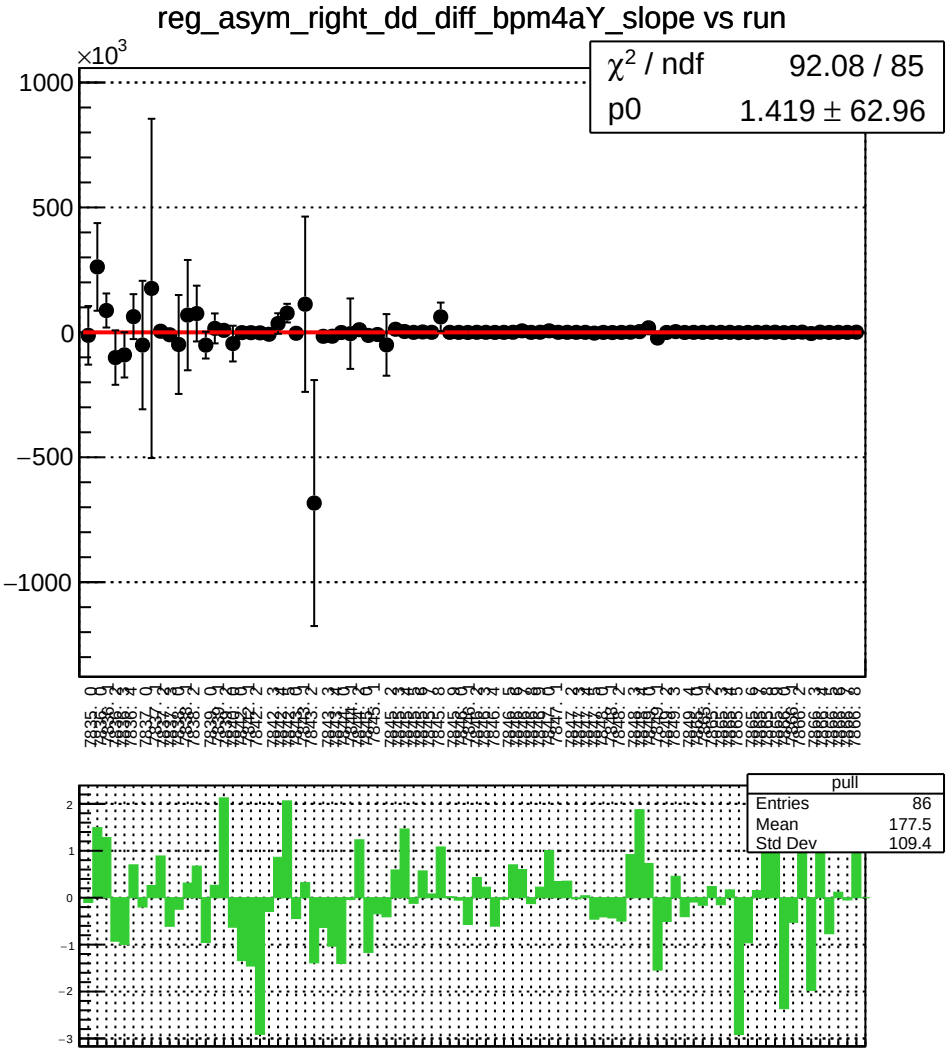

reg_asym_right_avg_diff_bpm4eY_slope vs run
×10^3
χ² / ndf 92.4 / 85
p0 −13.28 ± 72.04
pull
Entries 86
Mean −388.8
Std Dev 437.3

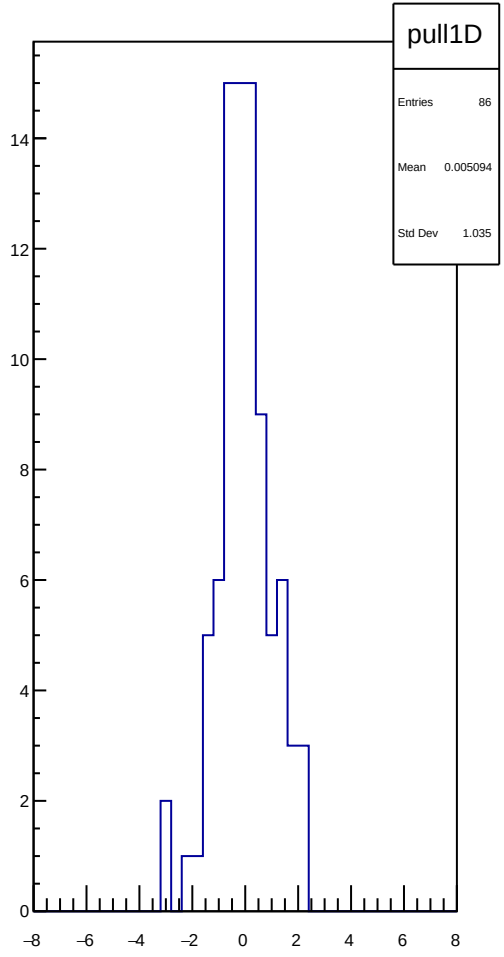

pull1D
Entries 86
Mean −0.002836
Std Dev 1.037

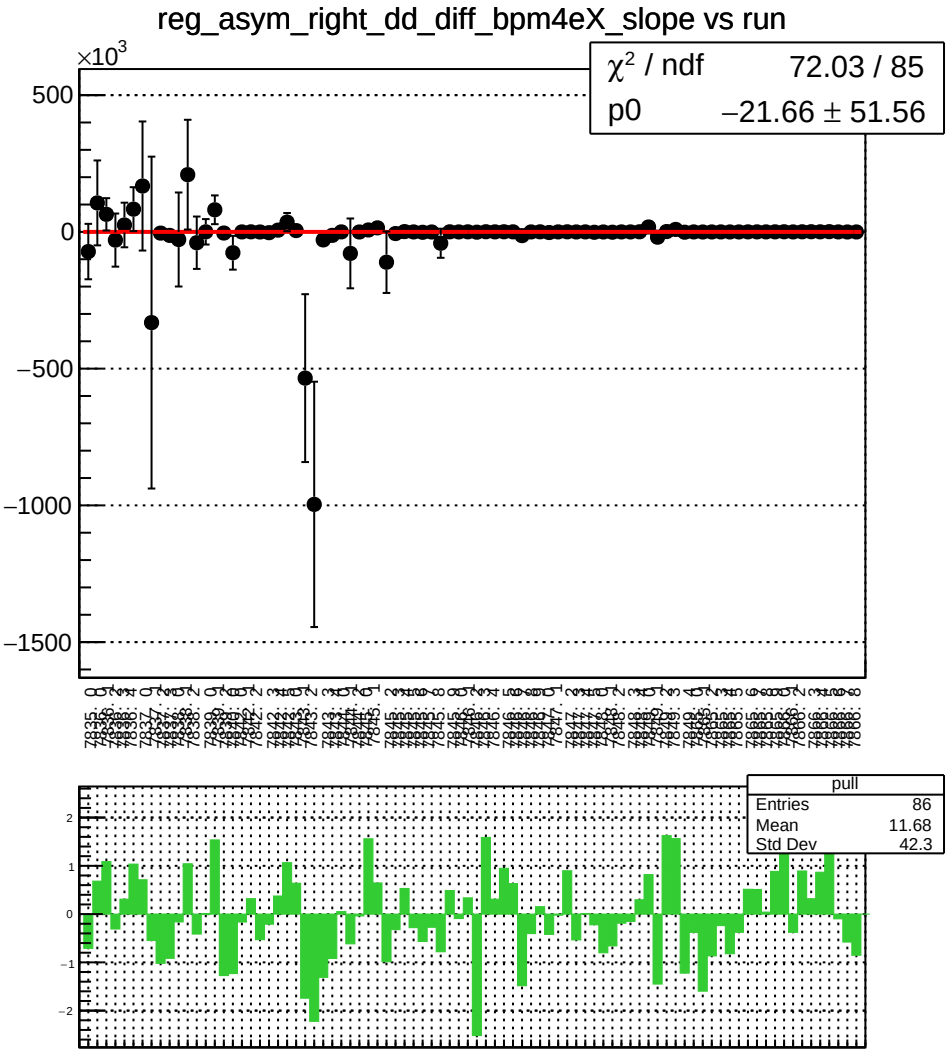

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 95.54 / 85
p0 −20.57 ± 2.058
pull
Entries 86
Mean −3.662
Std Dev 24.75
pull1D
Entries 86
Mean 0.04154
Std Dev 1.053

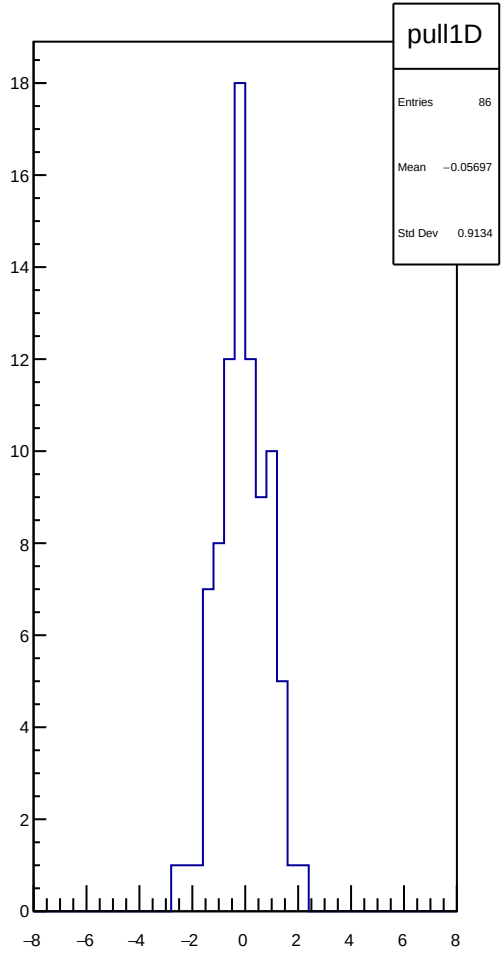

reg_asym_right_dd_diff_bpm1X_slope vs run
×10^3
χ² / ndf 65.65 / 84
p0 54.03 ± 57.94
pull
Entries 85
Mean 0.8978
Std Dev 61.02

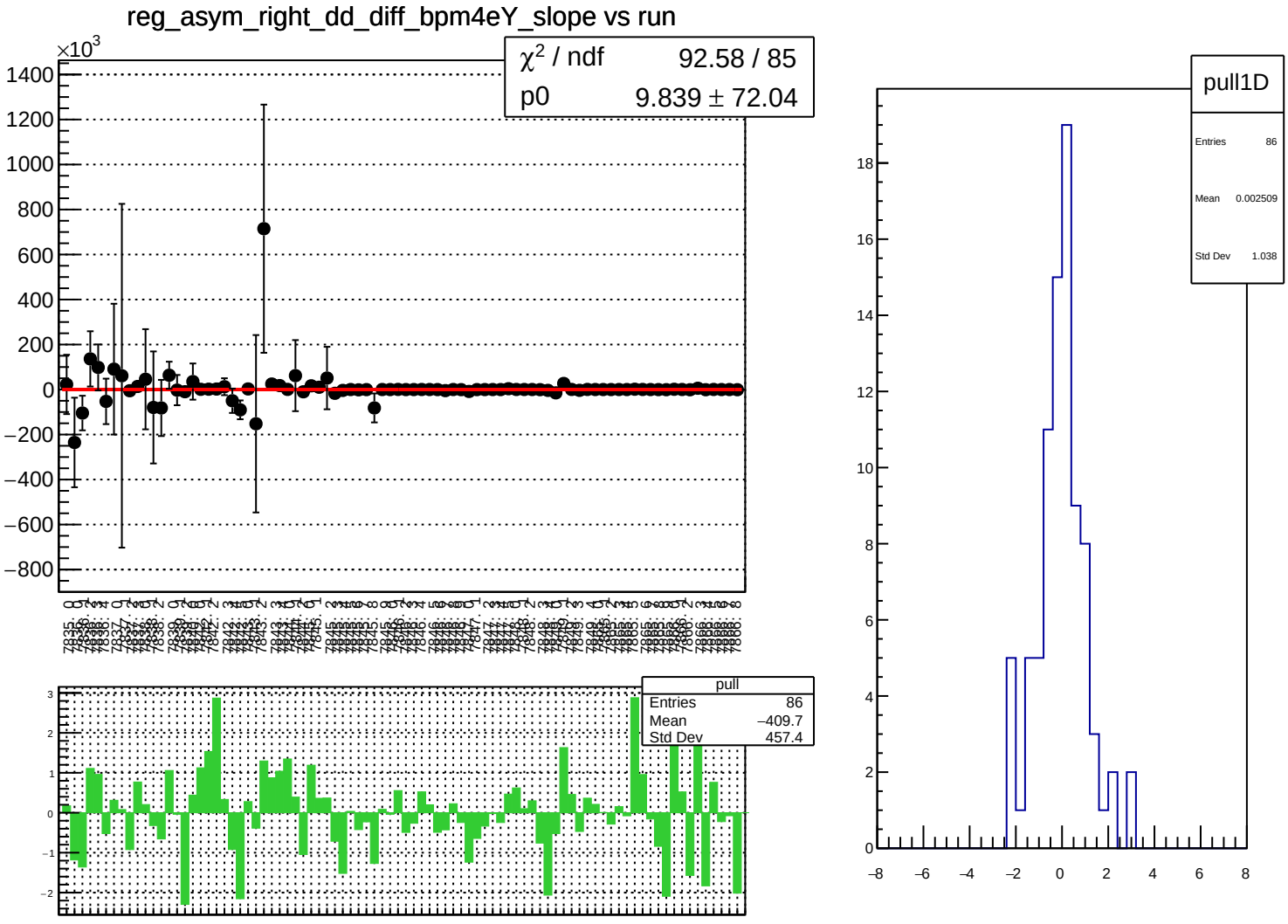

pull1D
Entries 85
Mean 0.02722
Std Dev 0.8784

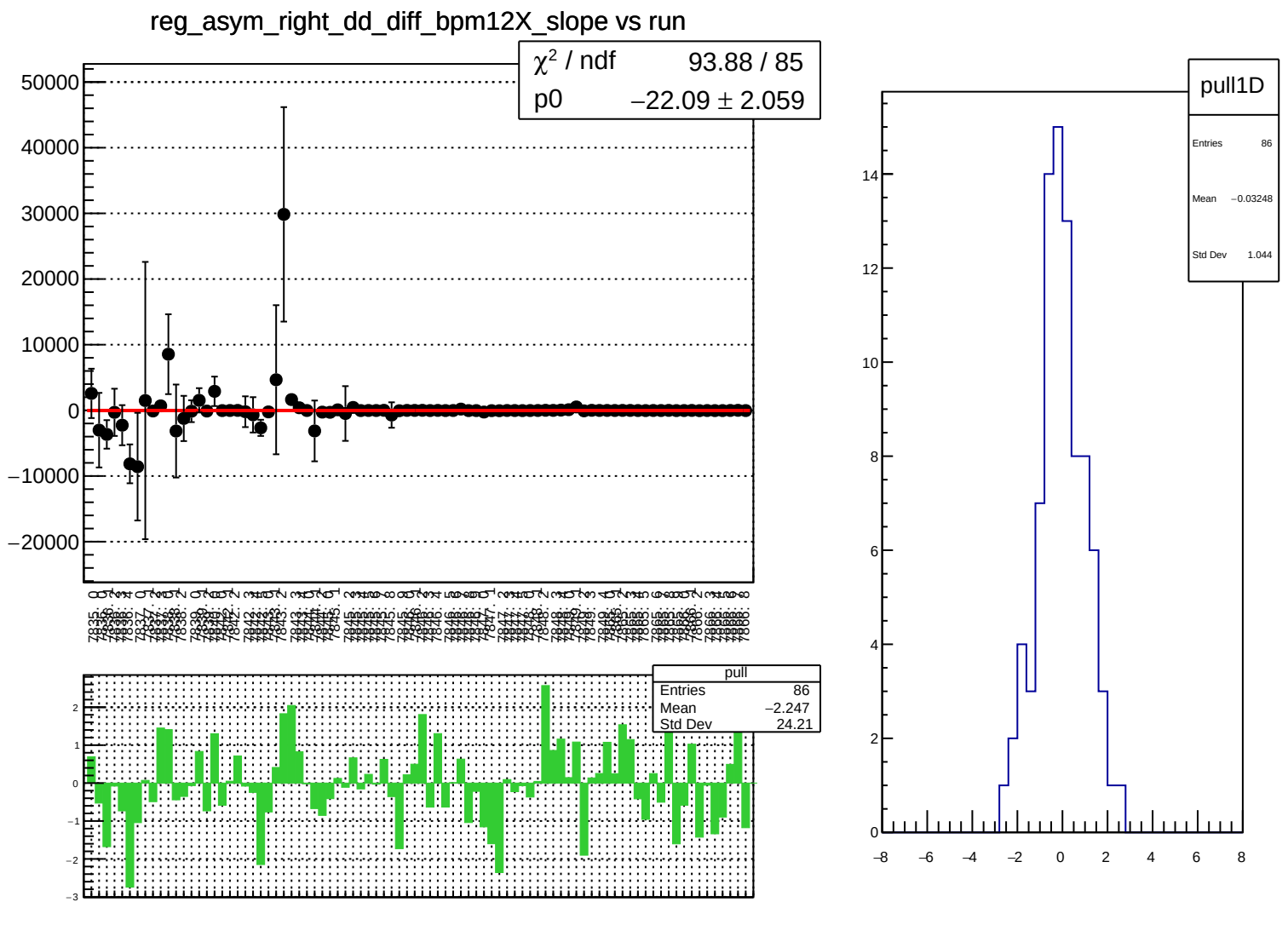

reg_asym_right_dd_diff_bpm4aY_slope vs run
×10^3
1000
500
0
−500
−1000
χ² / ndf 92.08 / 85
p0 1.419 ± 62.96
pull
Entries 86
Mean 177.5
Std Dev 109.4
2
1
0
−1
−2
−3

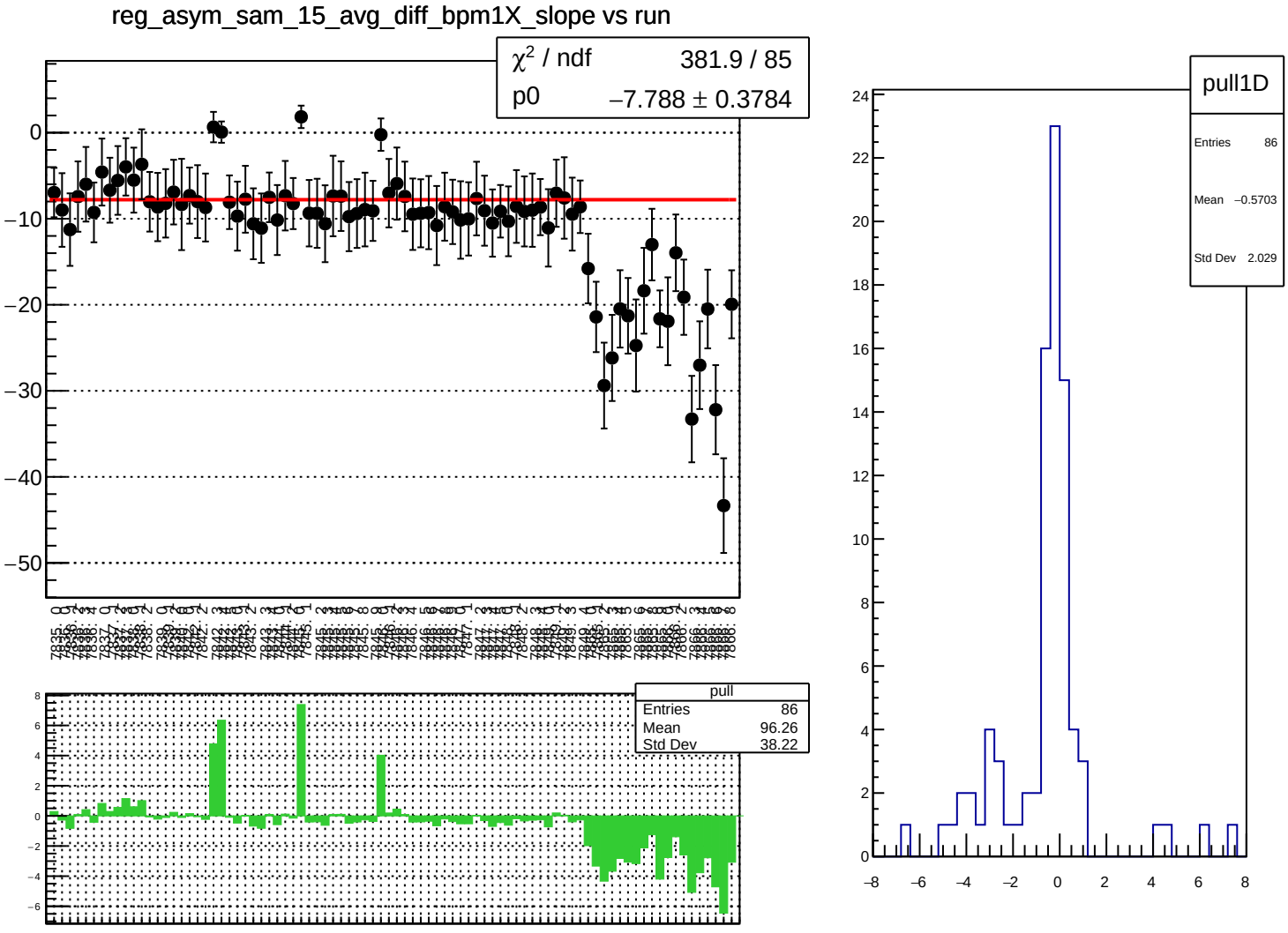

pull1D
Entries 86
Mean 0.005094
Std Dev 1.035
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

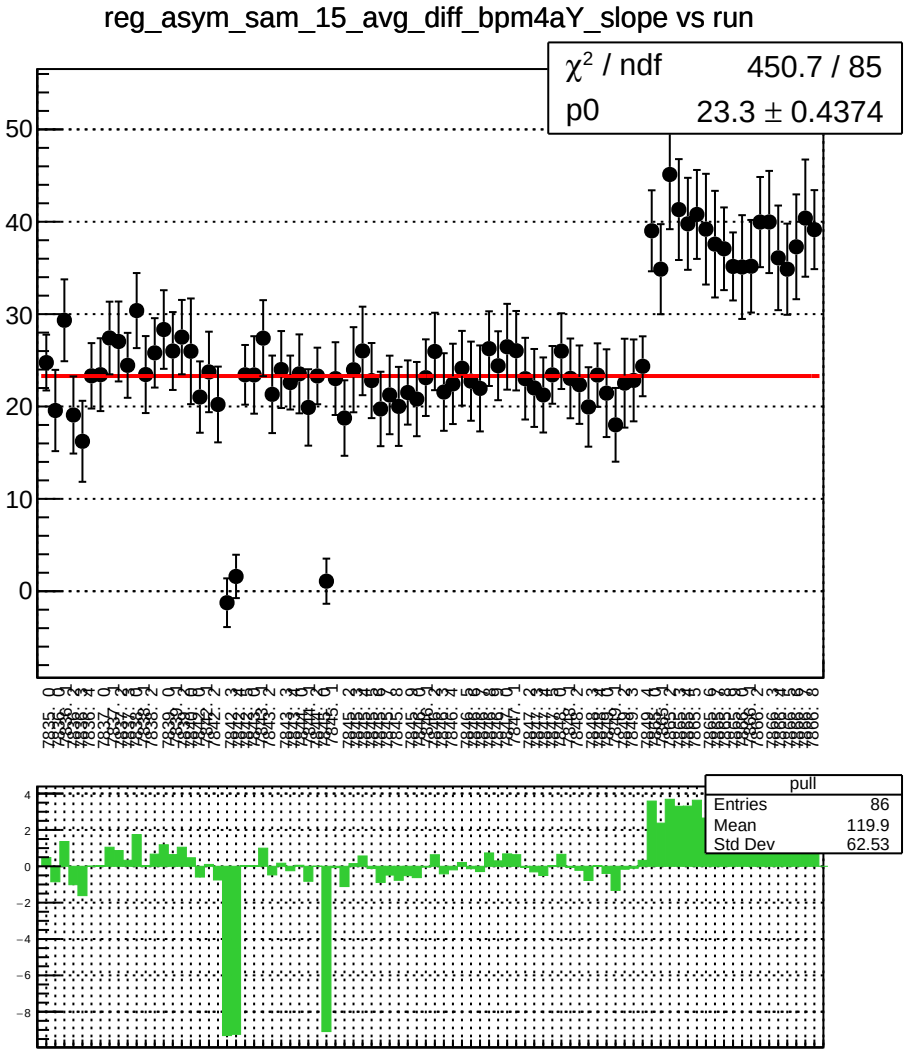

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 72.03 / 85
p0 −21.66 ± 51.56
×10^3
500
0
−500
−1000
−1500
pull
Entries 86
Mean 11.68
Std Dev 42.3
2
1
0
−1
−2

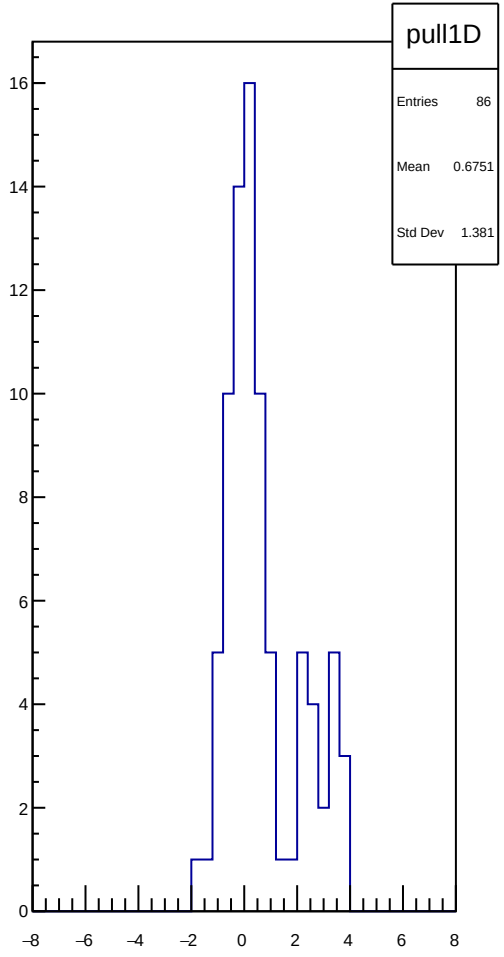

pull1D
Entries 86
Mean −0.05697
Std Dev 0.9134
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

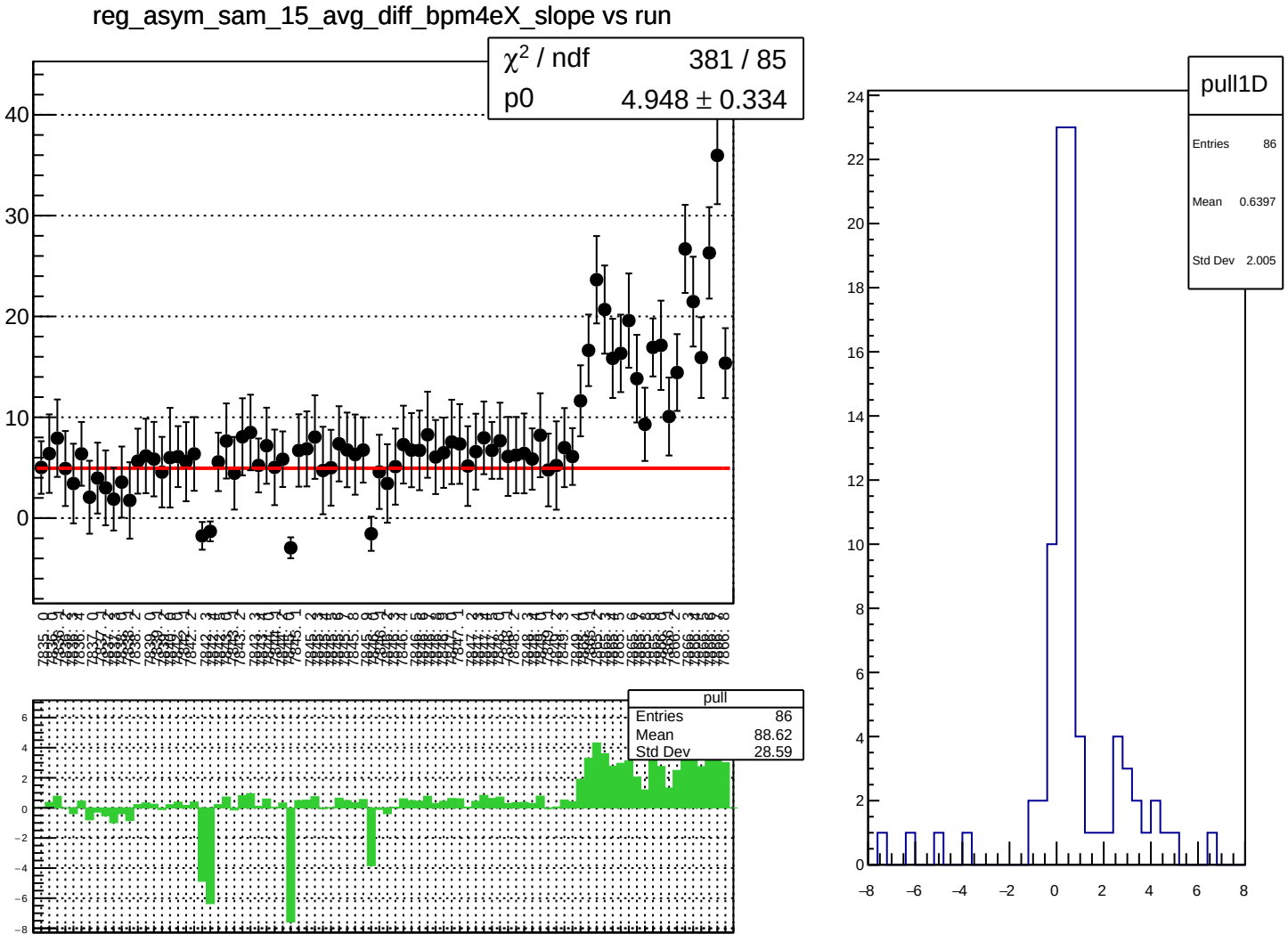

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 92.58 / 85
p0 9.839 ± 72.04
×10^3
pull
Entries 86
Mean −409.7
Std Dev 457.4
pull1D
Entries 86
Mean 0.002509
Std Dev 1.038

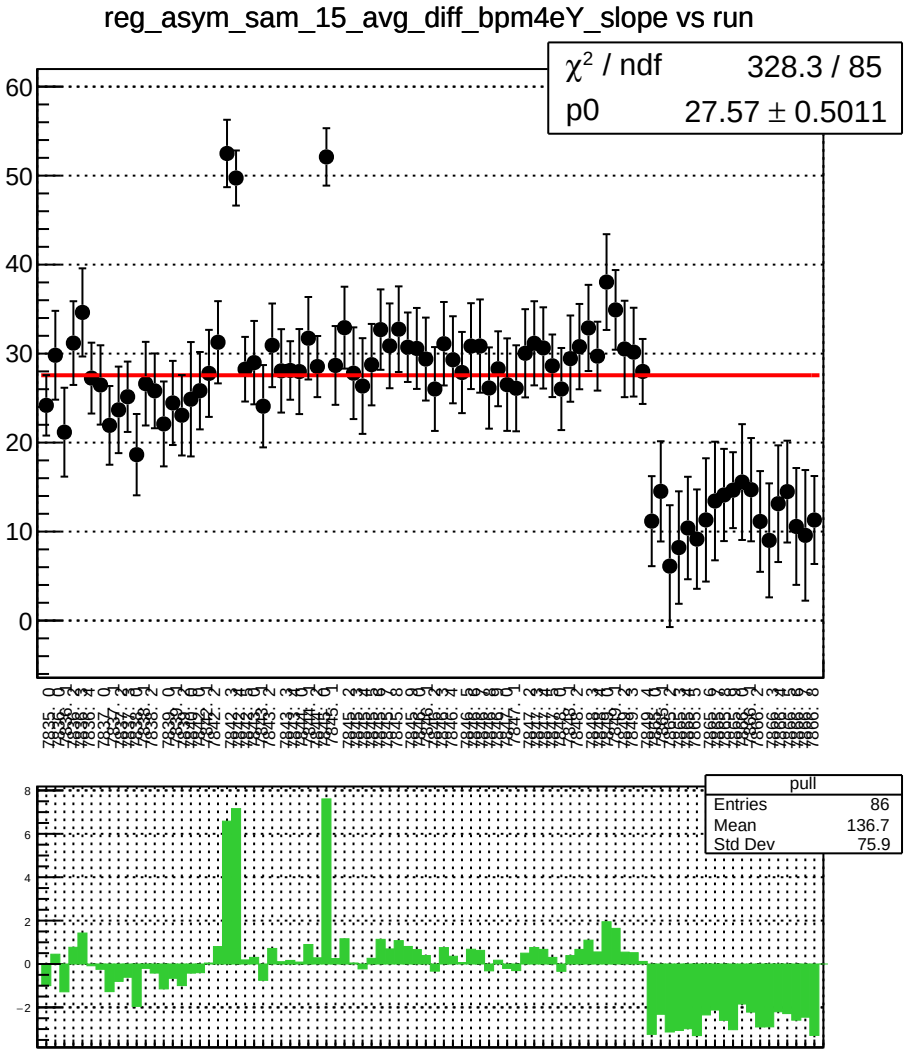

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 93.88 / 85
p0 −22.09 ± 2.059
pull
Entries 86
Mean −2.247
Std Dev 24.21
pull1D
Entries 86
Mean −0.03248
Std Dev 1.044

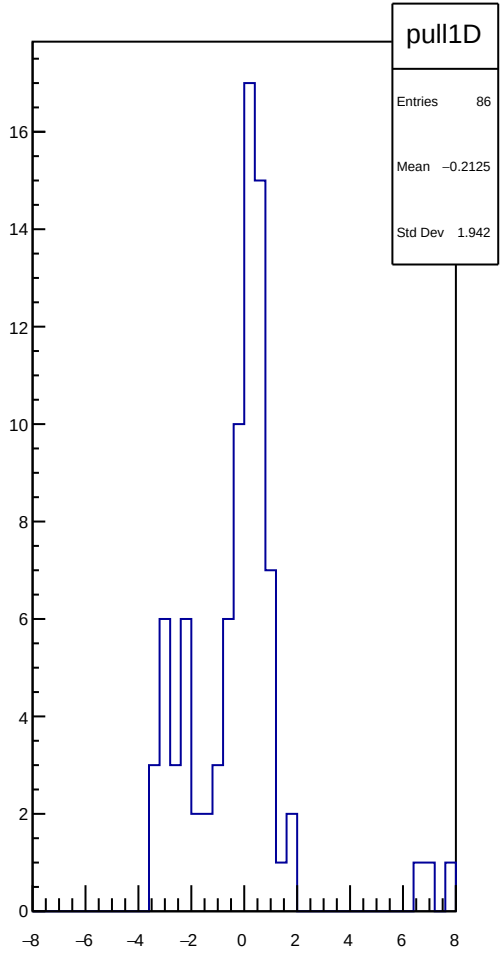

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ^2 / ndf 381.9 / 85
p0 −7.788 ± 0.3784
pull
Entries 86
Mean 96.26
Std Dev 38.22
pull1D
Entries 86
Mean −0.5703
Std Dev 2.029

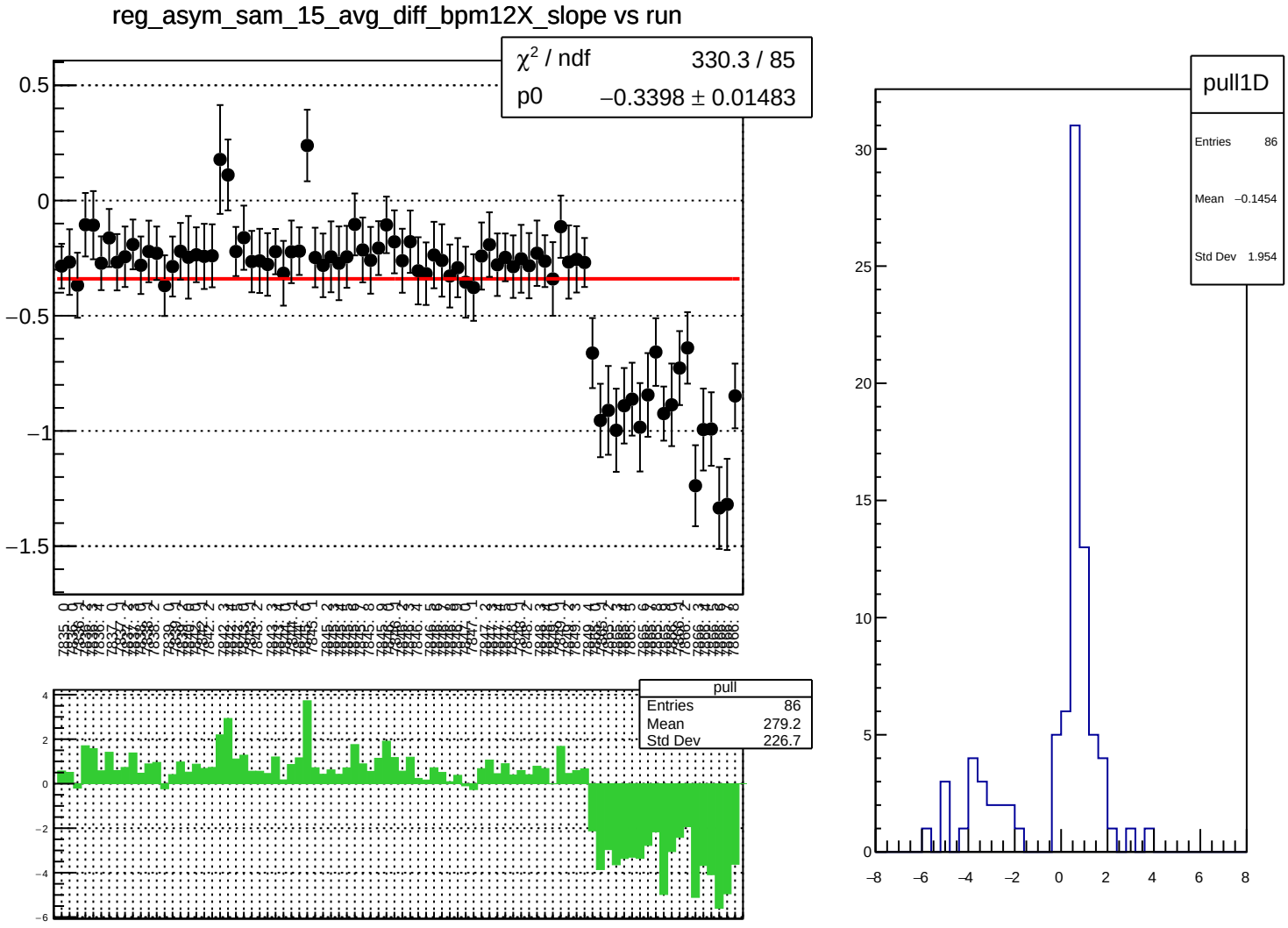

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 450.7 / 85
p0 23.3 ± 0.4374
pull
Entries 86
Mean 119.9
Std Dev 62.53

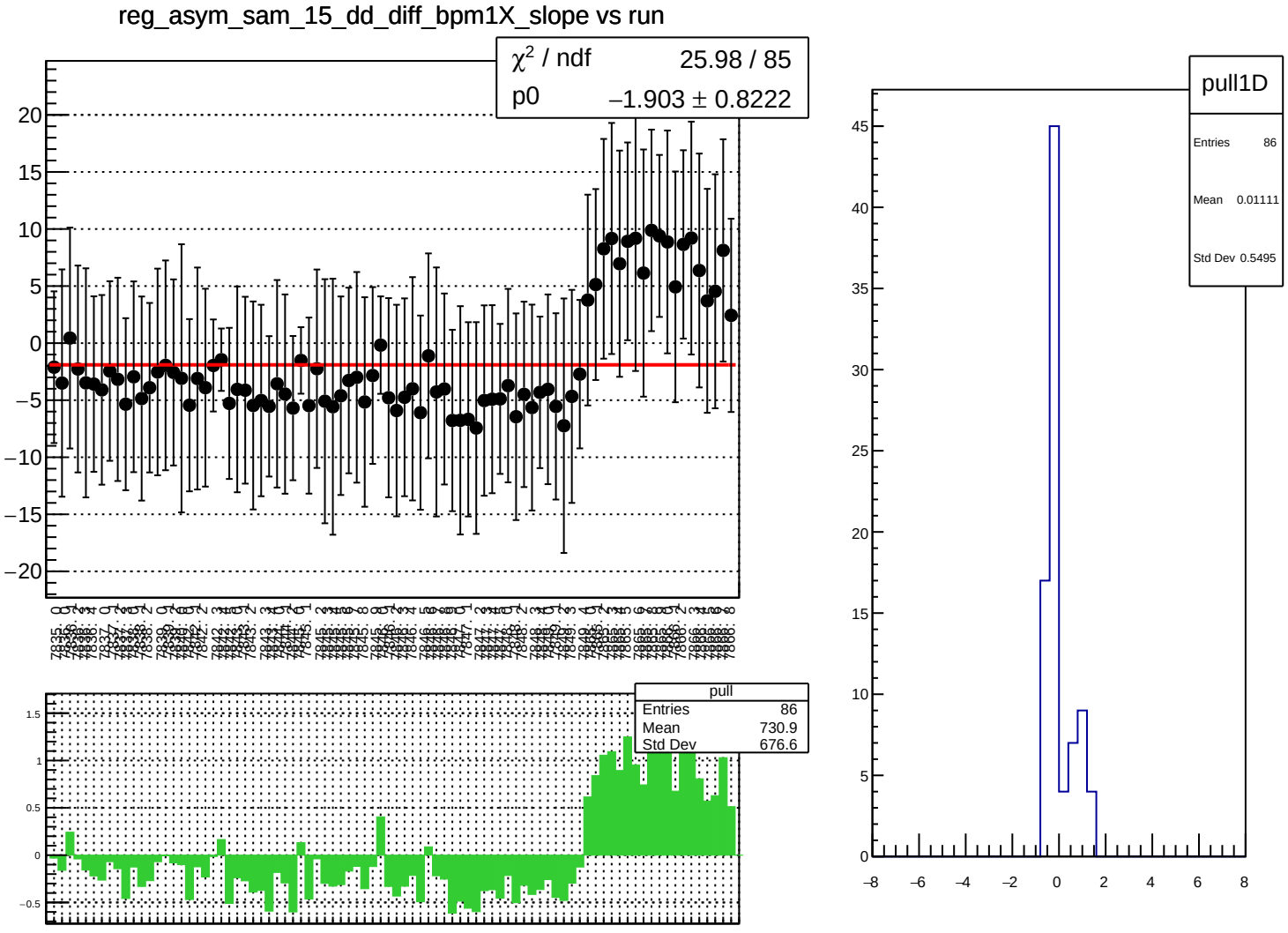

pull1D
Entries 86
Mean 0.6751
Std Dev 1.381

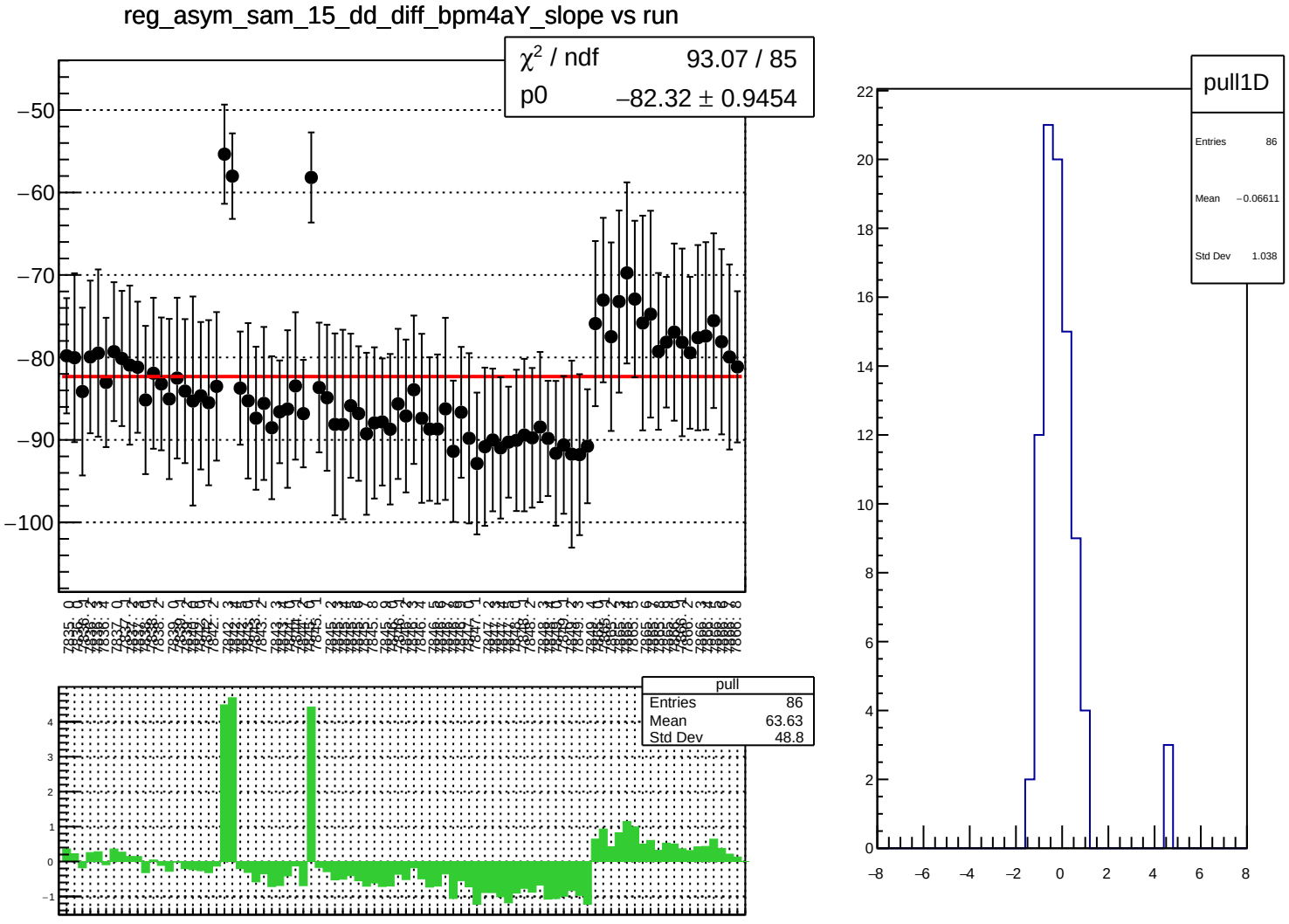

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 381 / 85
p0 4.948 ± 0.334
pull
Entries 86
Mean 88.62
Std Dev 28.59
pull1D
Entries 86
Mean 0.6397
Std Dev 2.005

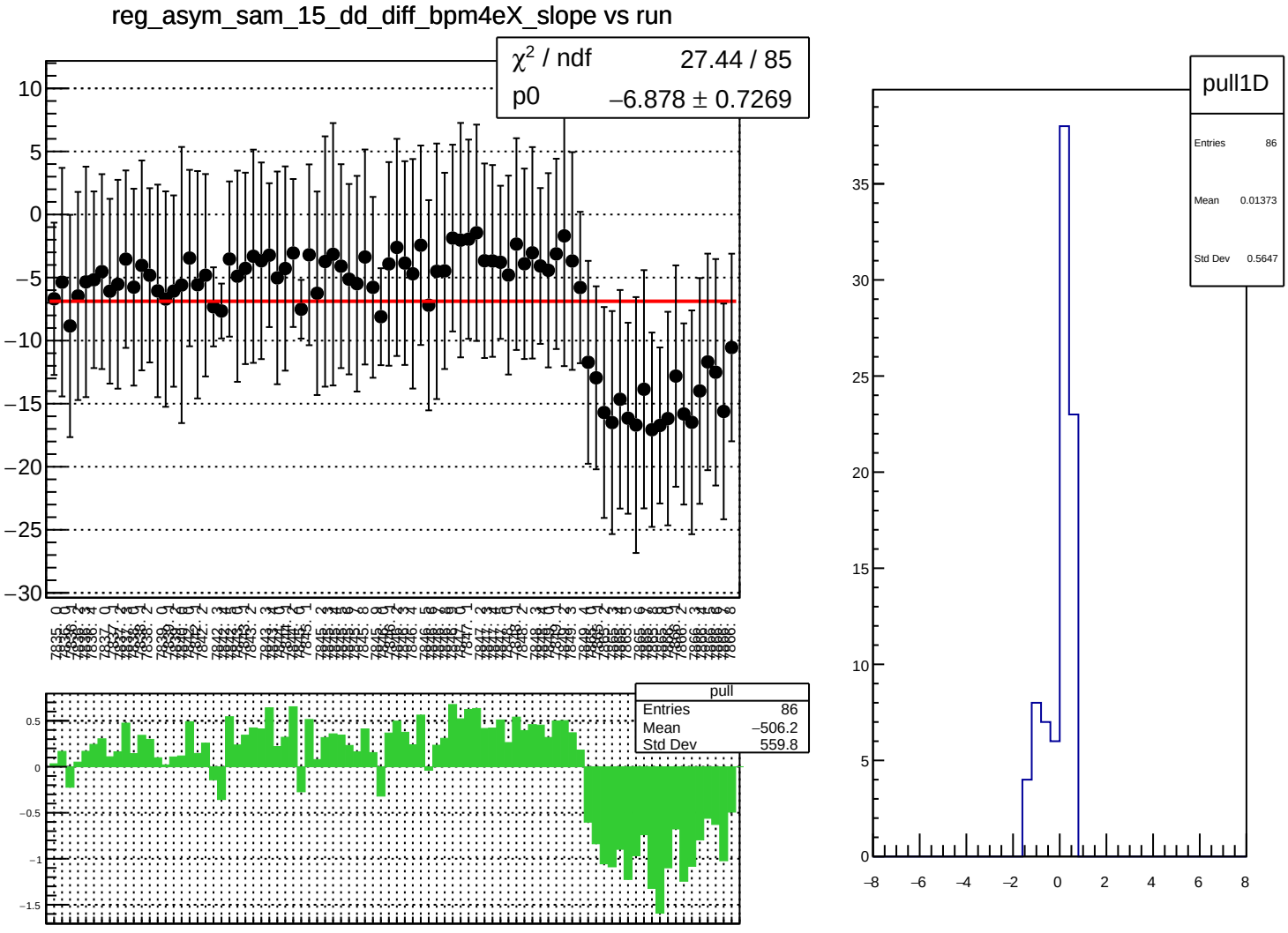

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 328.3 / 85
p0 27.57 ± 0.5011
pull
Entries 86
Mean 136.7
Std Dev 75.9

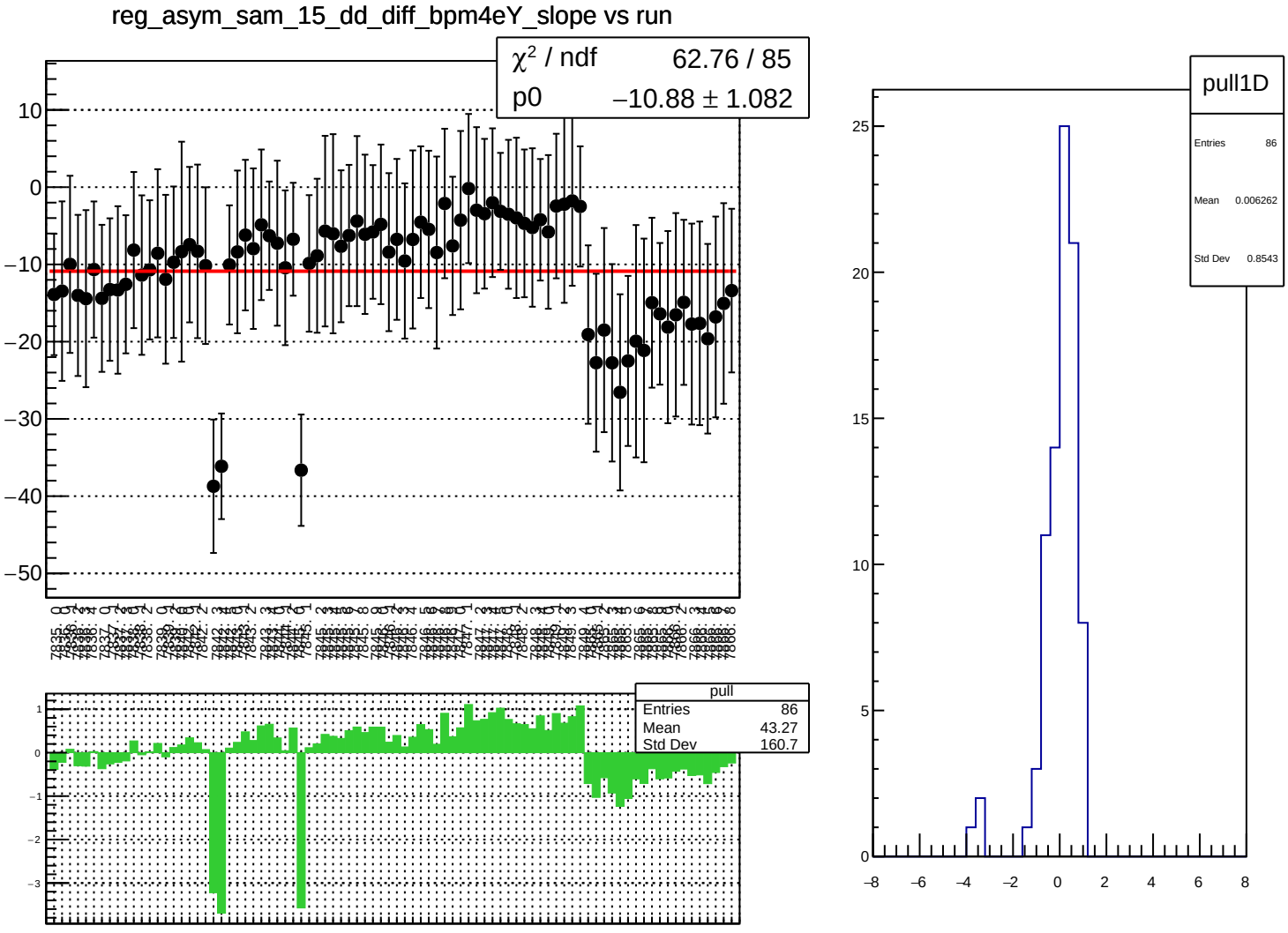

pull1D
Entries 86
Mean −0.2125
Std Dev 1.942

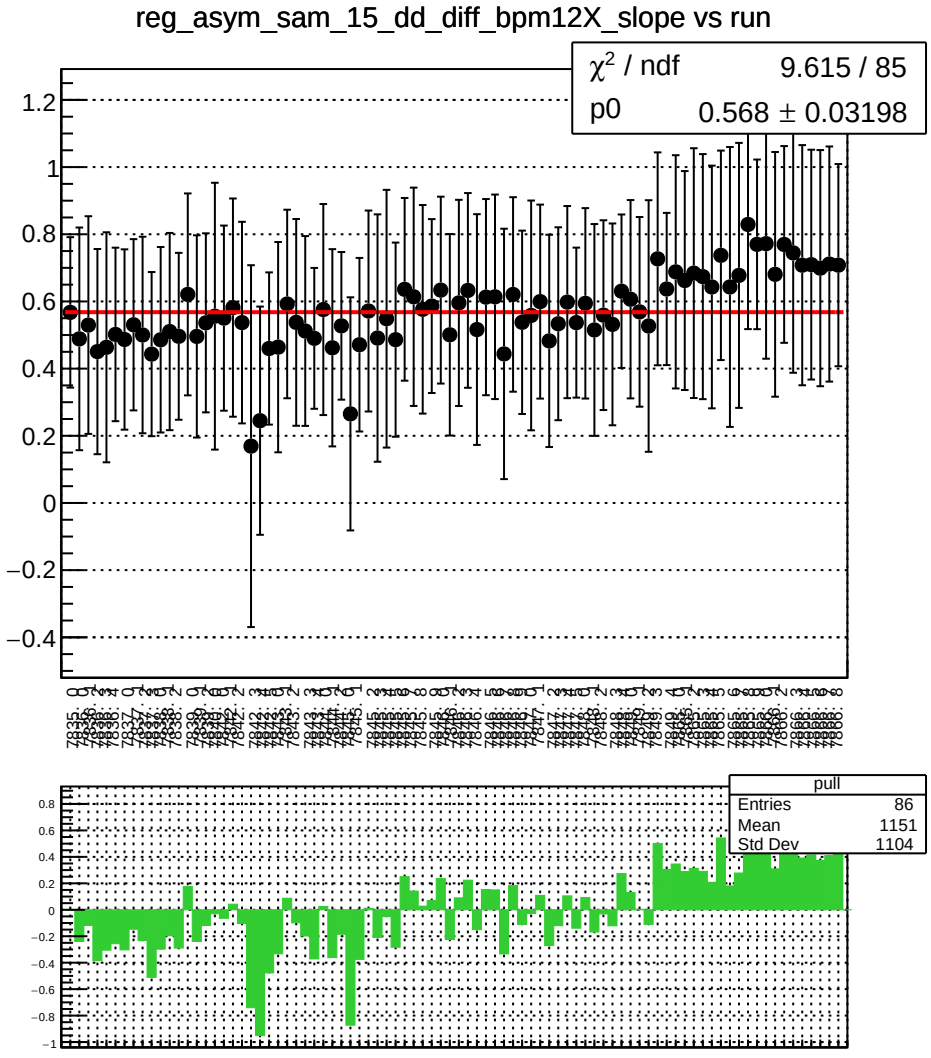

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ^2 / ndf 330.3 / 85
p0 −0.3398 ± 0.01483
pull
Entries 86
Mean 279.2
Std Dev 226.7
pull1D
Entries 86
Mean −0.1454
Std Dev 1.954

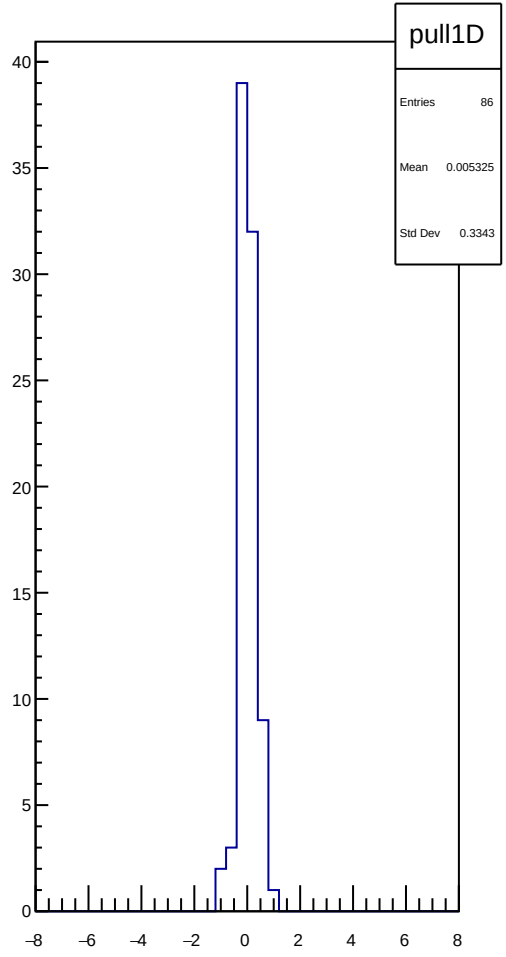

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 25.98 / 85
p0 −1.903 ± 0.8222
pull
Entries 86
Mean 730.9
Std Dev 676.6
pull1D
Entries 86
Mean 0.01111
Std Dev 0.5495

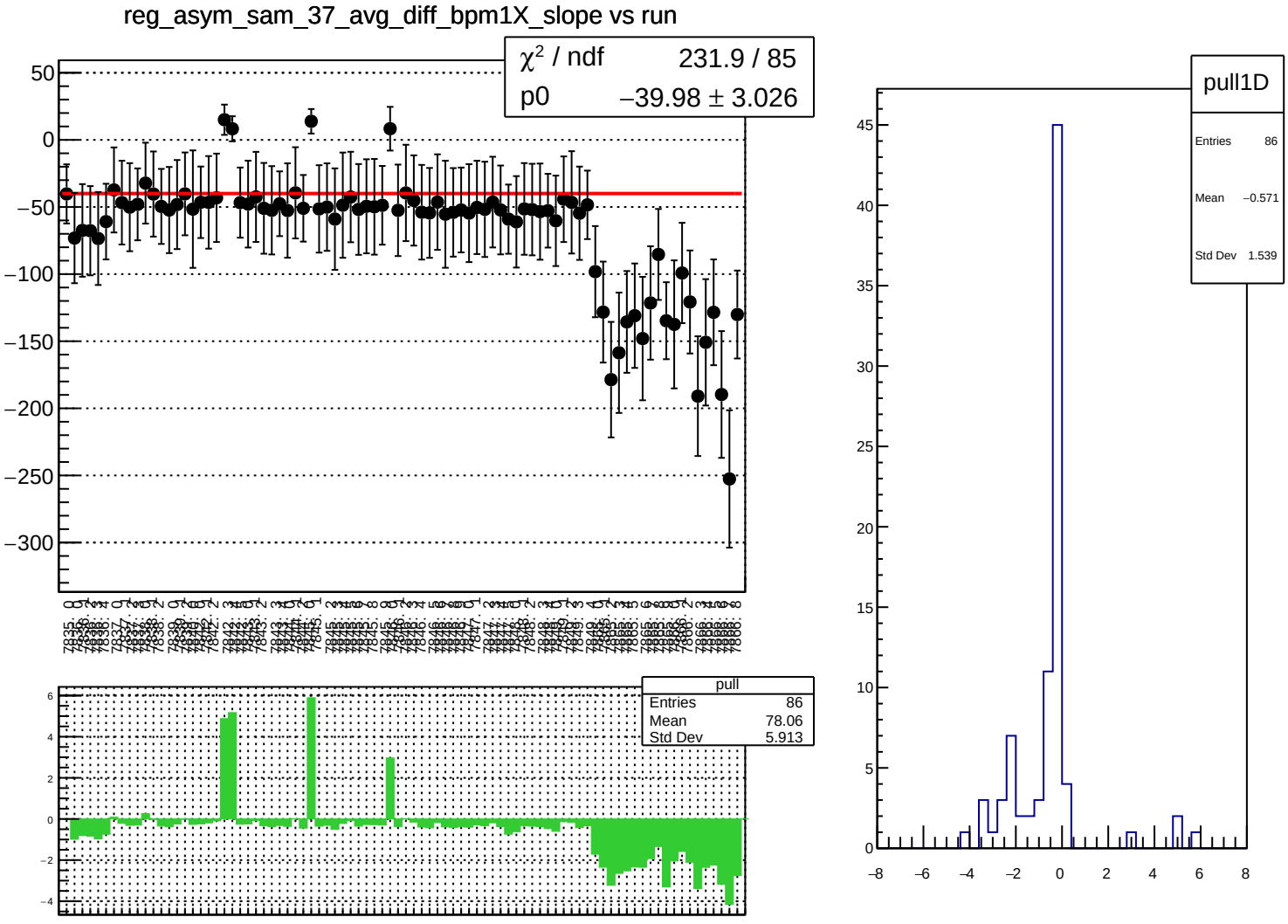

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 93.07 / 85
p0 −82.32 ± 0.9454
pull
Entries 86
Mean 63.63
Std Dev 48.8
pull1D
Entries 86
Mean −0.06611
Std Dev 1.038

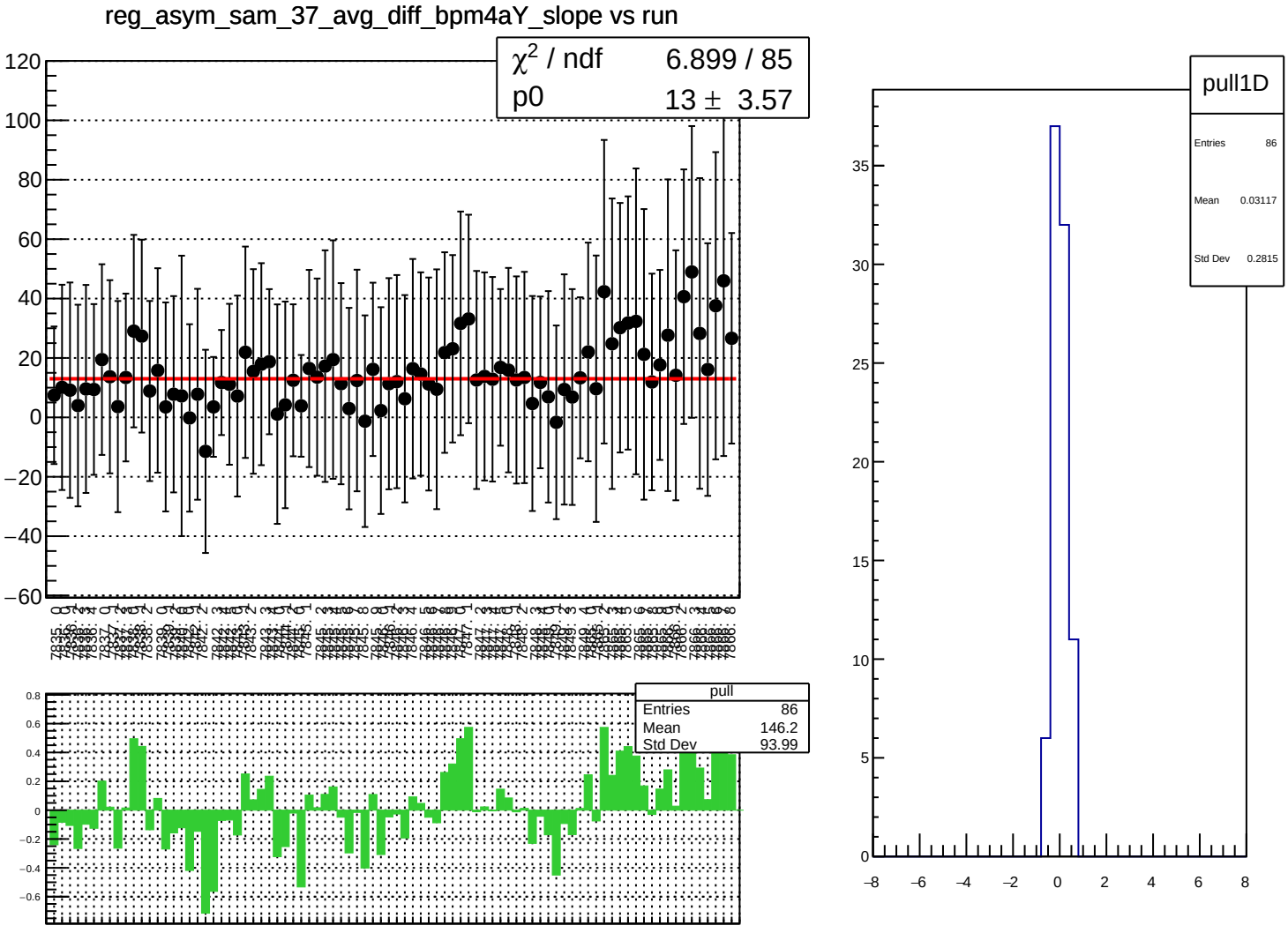

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 27.44 / 85
p0 −6.878 ± 0.7269
pull
Entries 86
Mean −506.2
Std Dev 559.8
pull1D
Entries 86
Mean 0.01373
Std Dev 0.5647

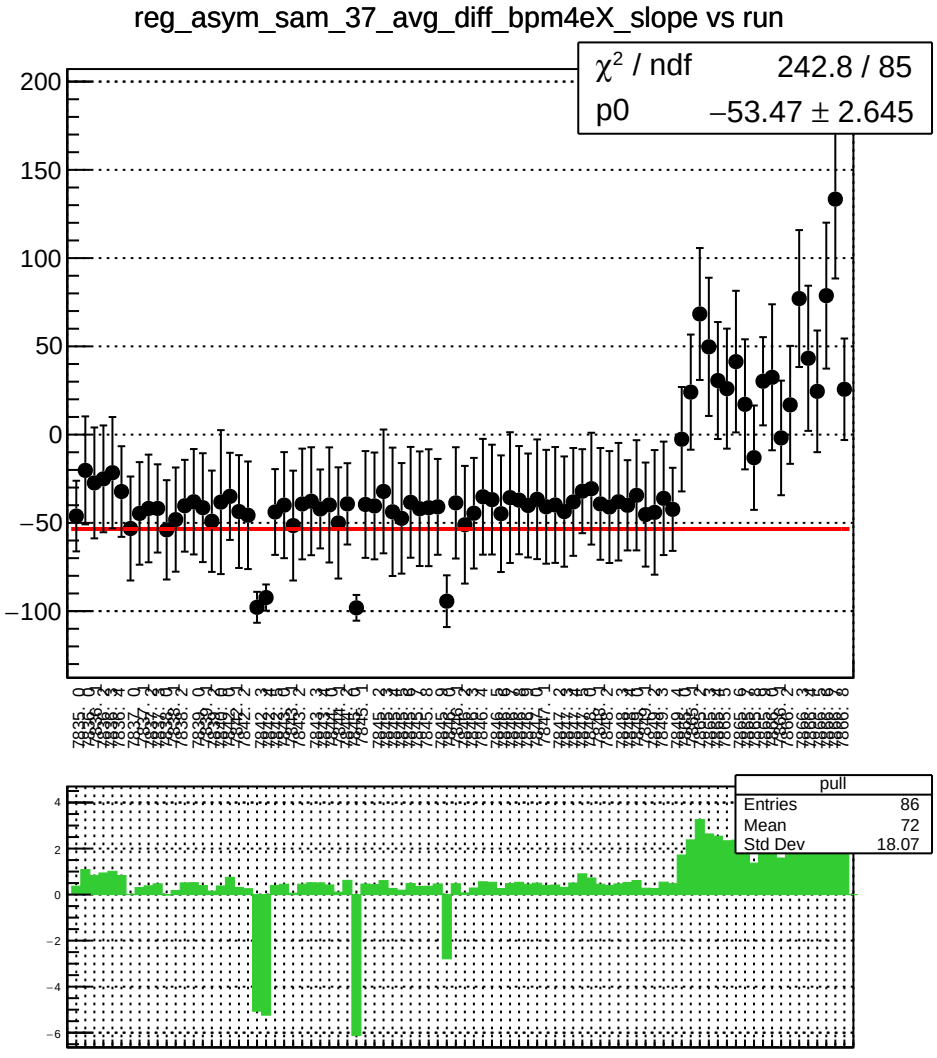

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 62.76 / 85
p0 −10.88 ± 1.082
pull
Entries 86
Mean 43.27
Std Dev 160.7
pull1D
Entries 86
Mean 0.006262
Std Dev 0.8543

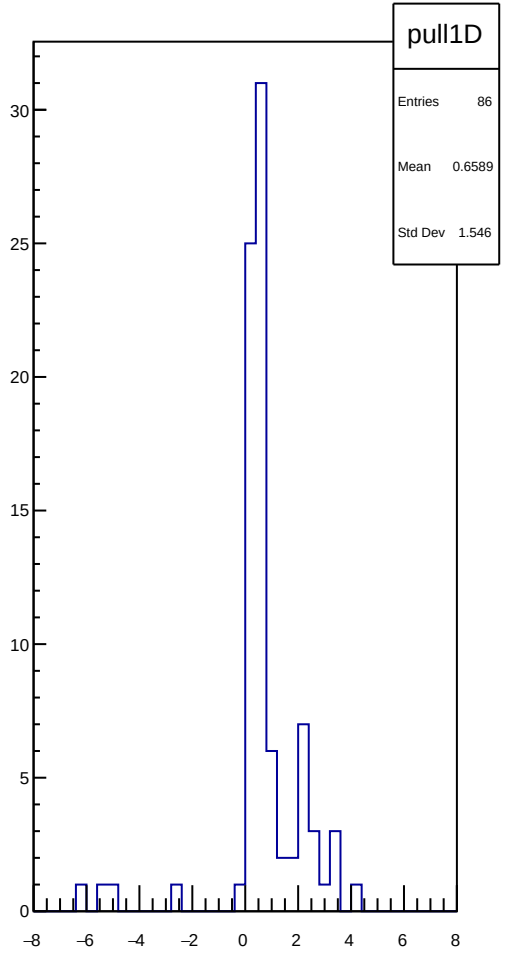

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ^2 / ndf 9.615 / 85
p0 0.568 ± 0.03198
pull
Entries 86
Mean 1151
Std Dev 1104

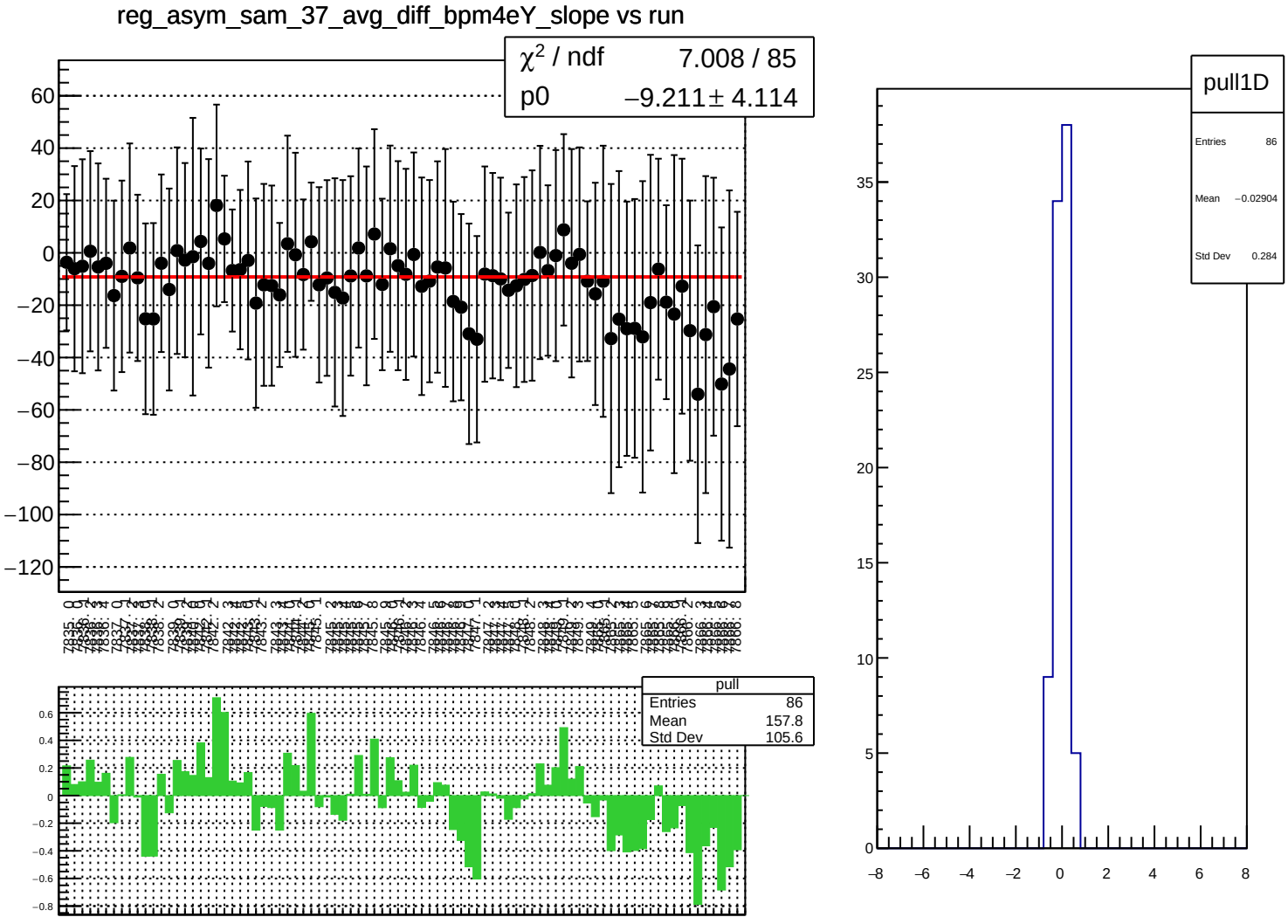

pull1D
Entries 86
Mean 0.005325
Std Dev 0.3343


reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 231.9 / 85
p0 −39.98 ± 3.026
pull
Entries 86
Mean 78.06
Std Dev 5.913
pull1D
Entries 86
Mean −0.571
Std Dev 1.539

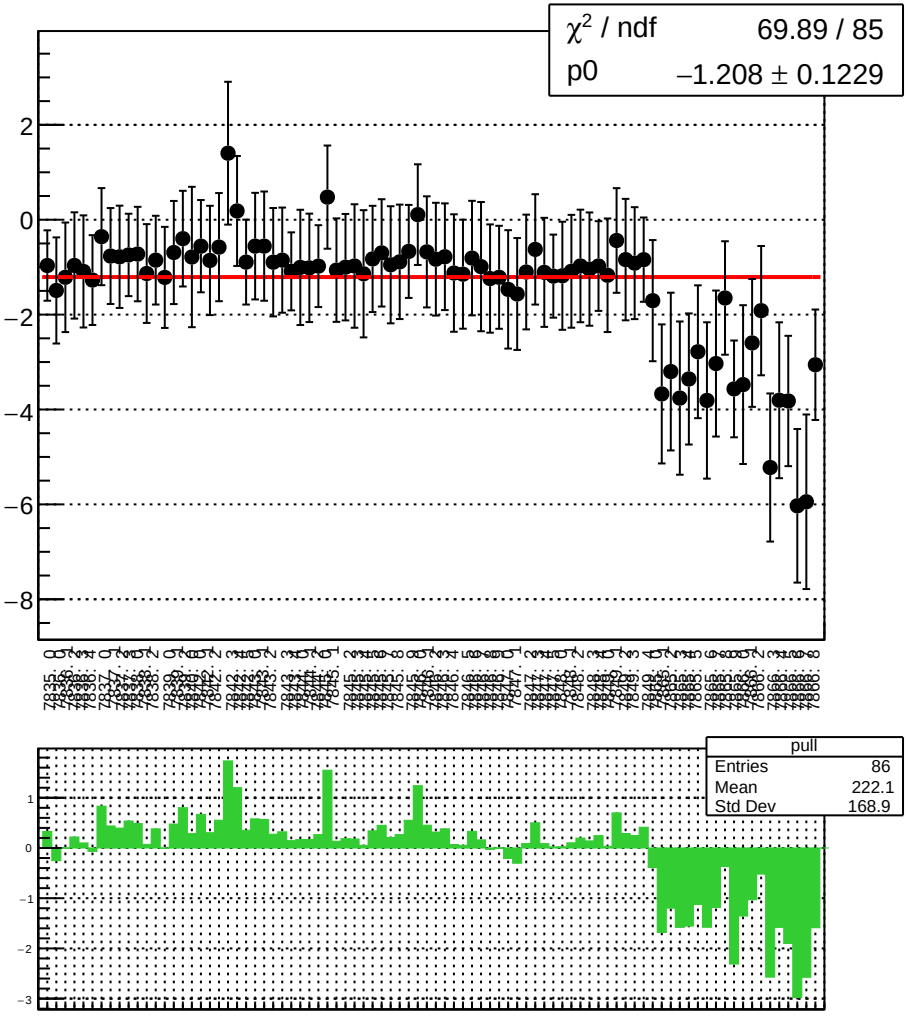

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 6.899 / 85
p0 13 ± 3.57
pull
Entries 86
Mean 146.2
Std Dev 93.99
pull1D
Entries 86
Mean 0.03117
Std Dev 0.2815

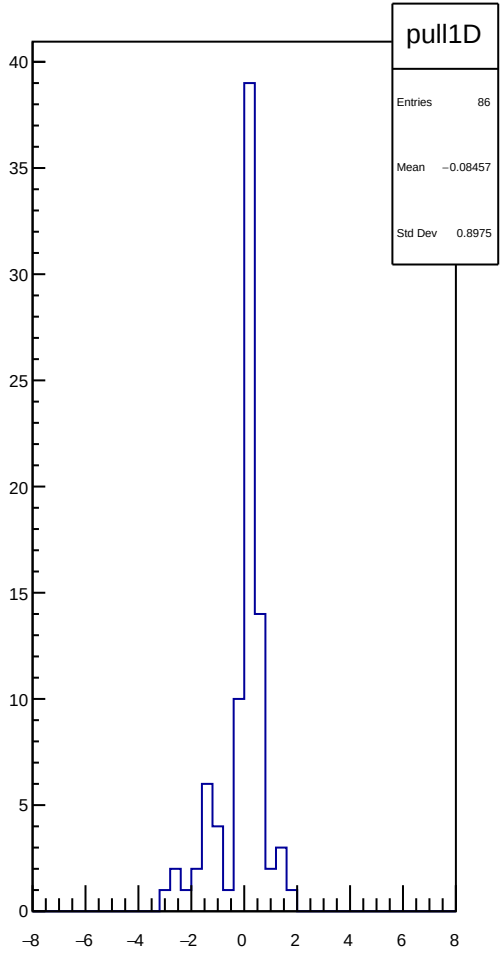

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 242.8 / 85
p0 −53.47 ± 2.645
pull
Entries 86
Mean 72
Std Dev 18.07

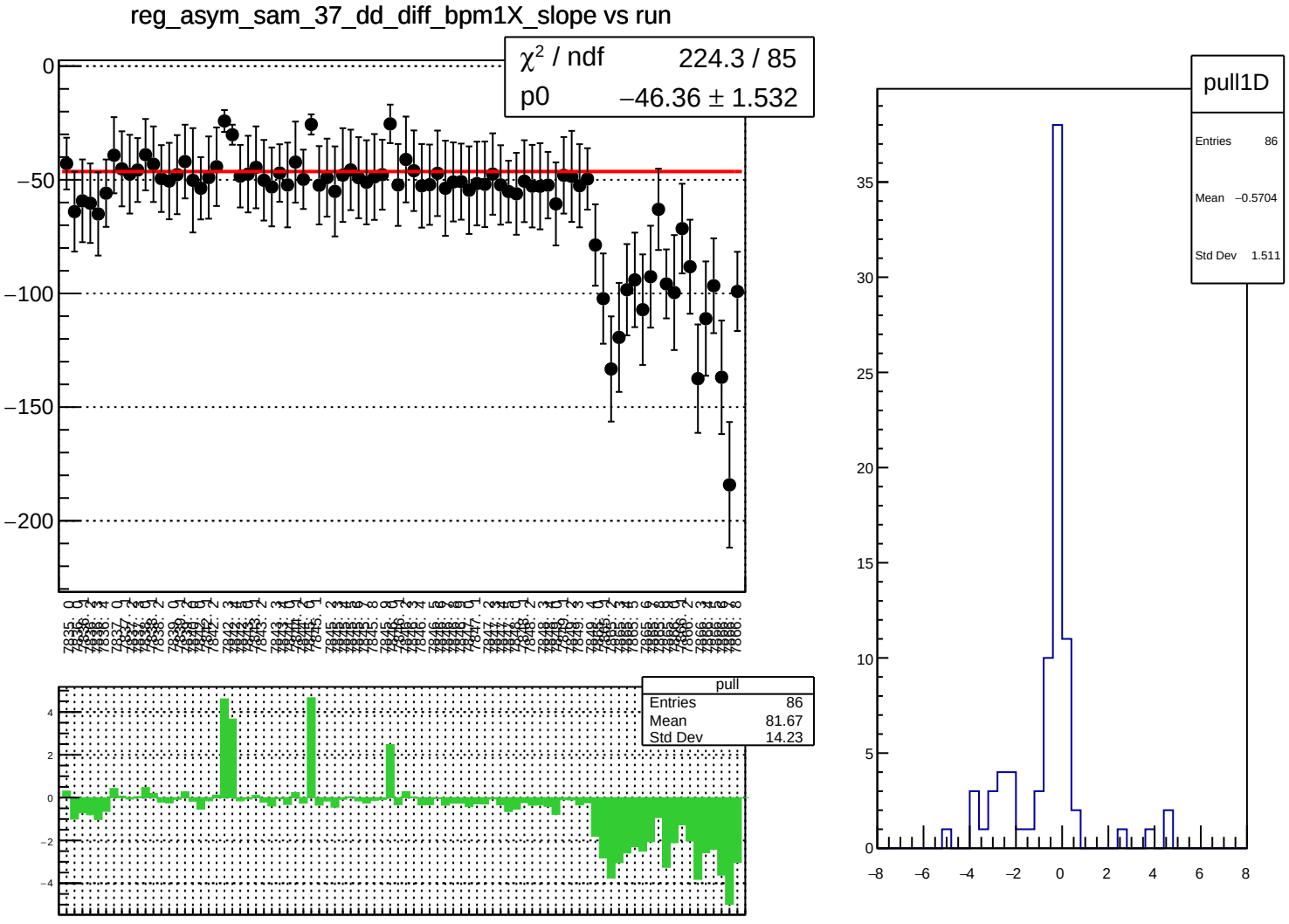

pull1D
Entries 86
Mean 0.6589
Std Dev 1.546

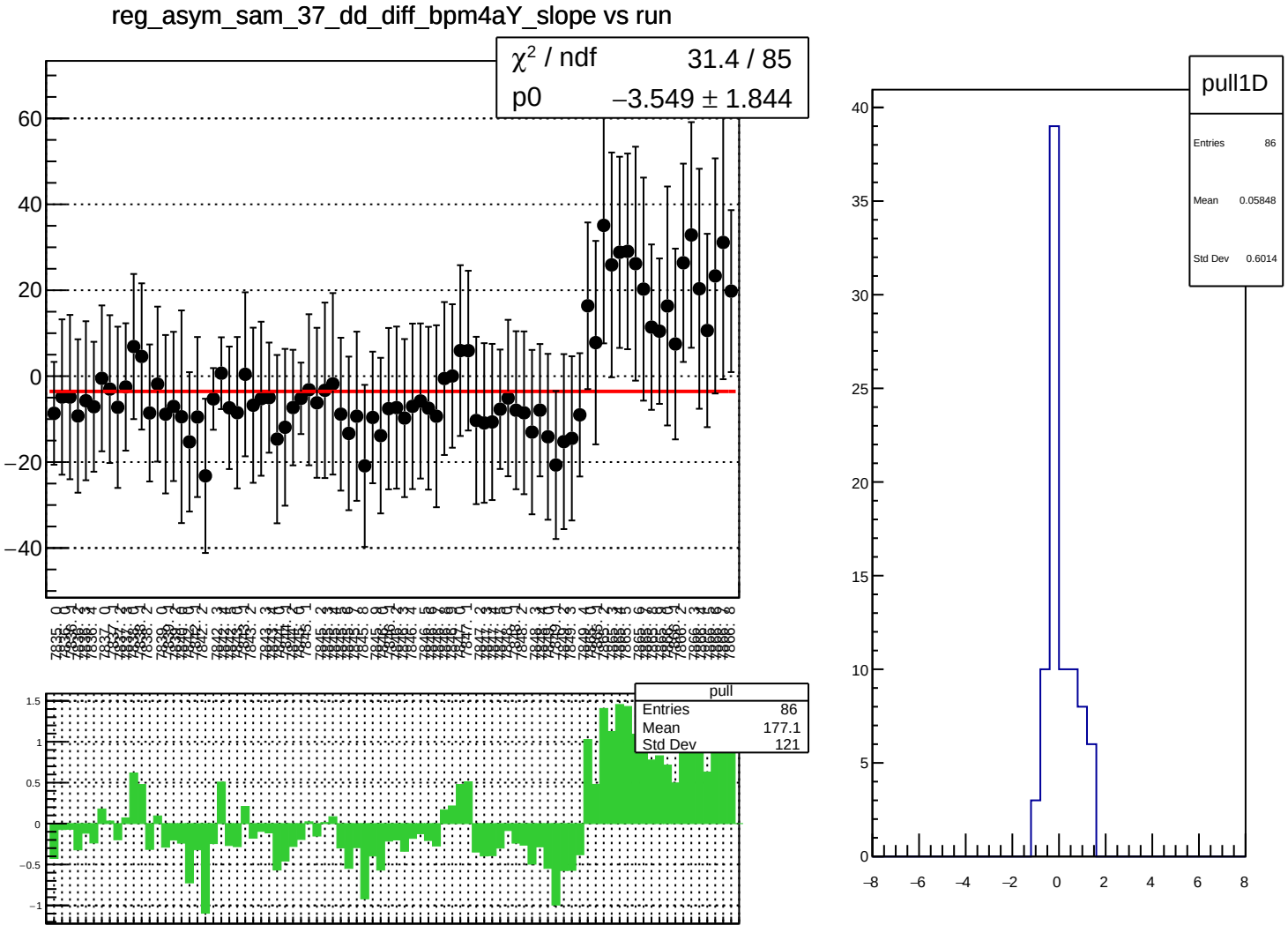

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.008 / 85
p0 −9.211 ± 4.114
pull
Entries 86
Mean 157.8
Std Dev 105.6
pull1D
Entries 86
Mean −0.02904
Std Dev 0.284

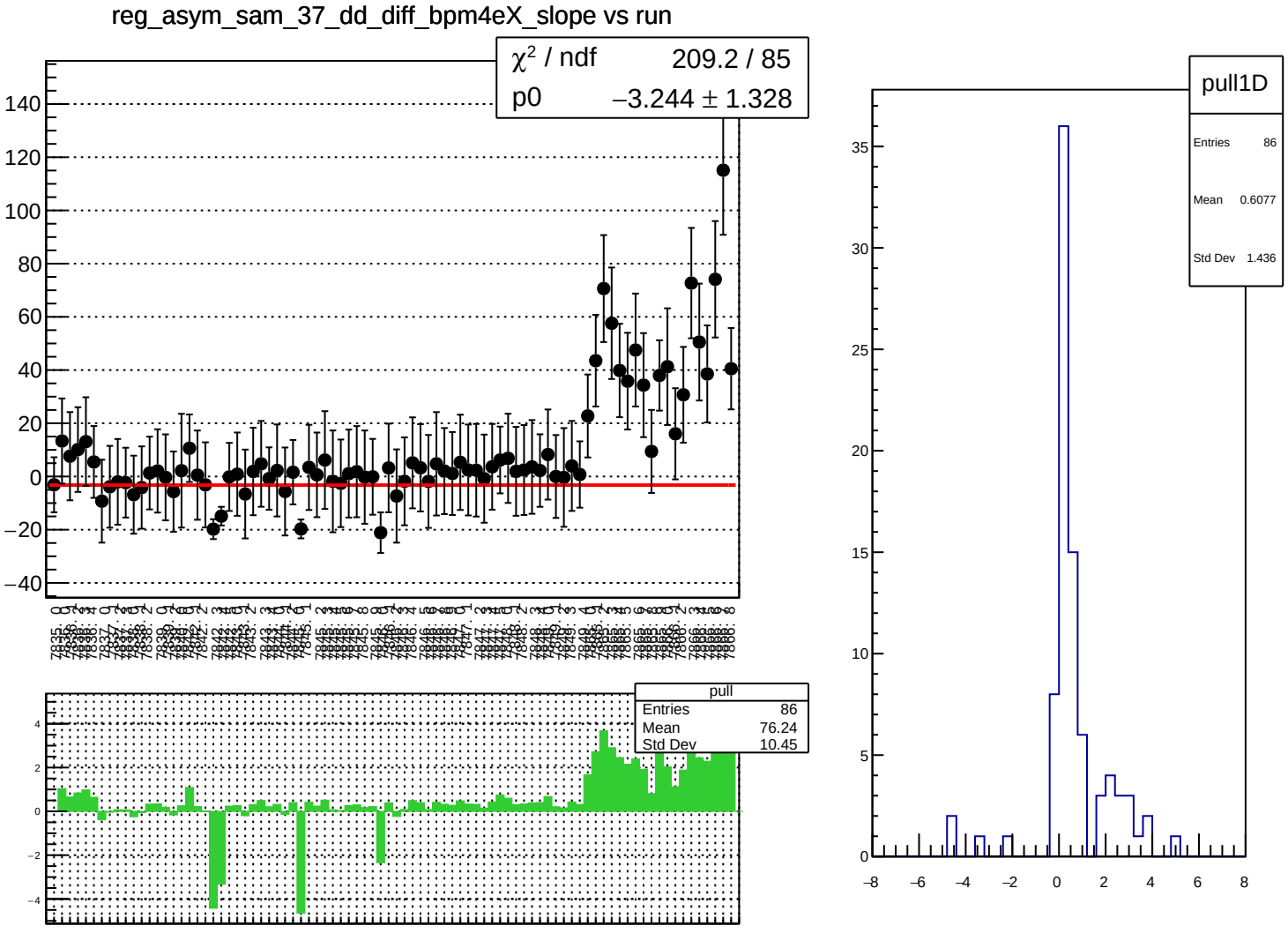
reg_asym_sam_37_avg_diff_bpm12X_slope vs run

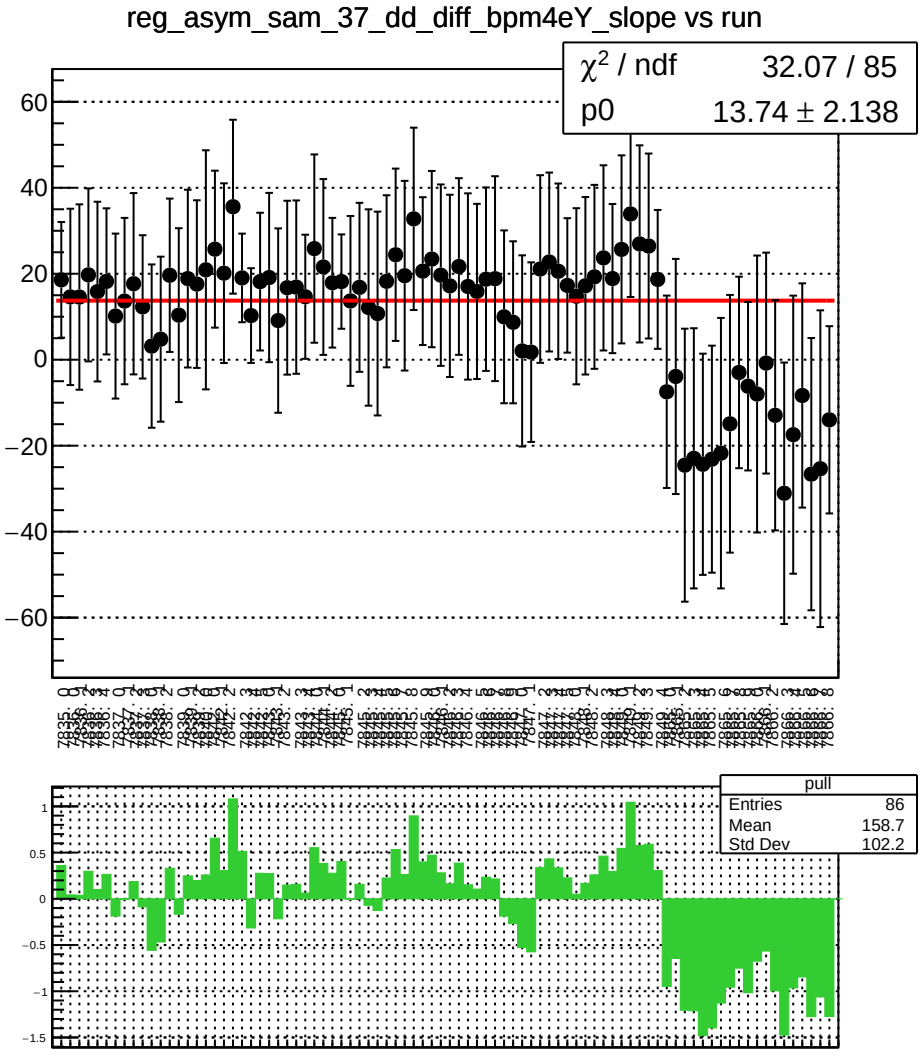


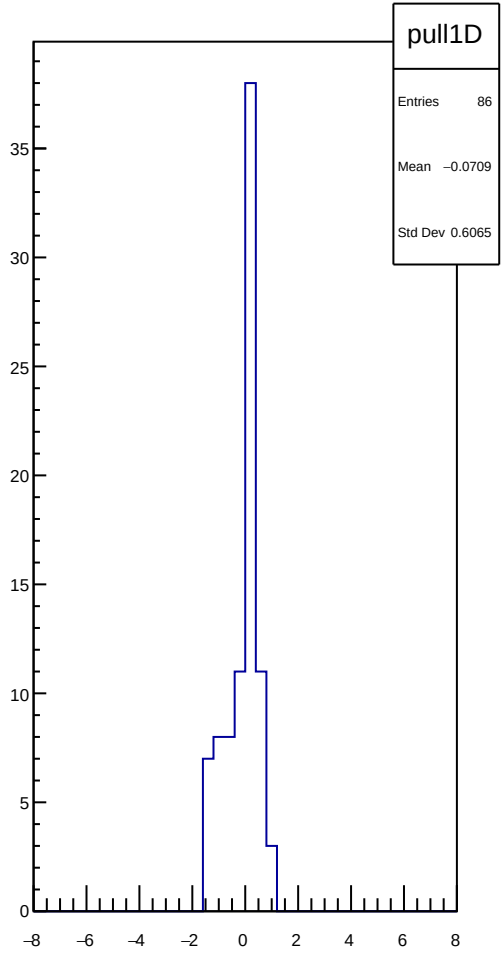


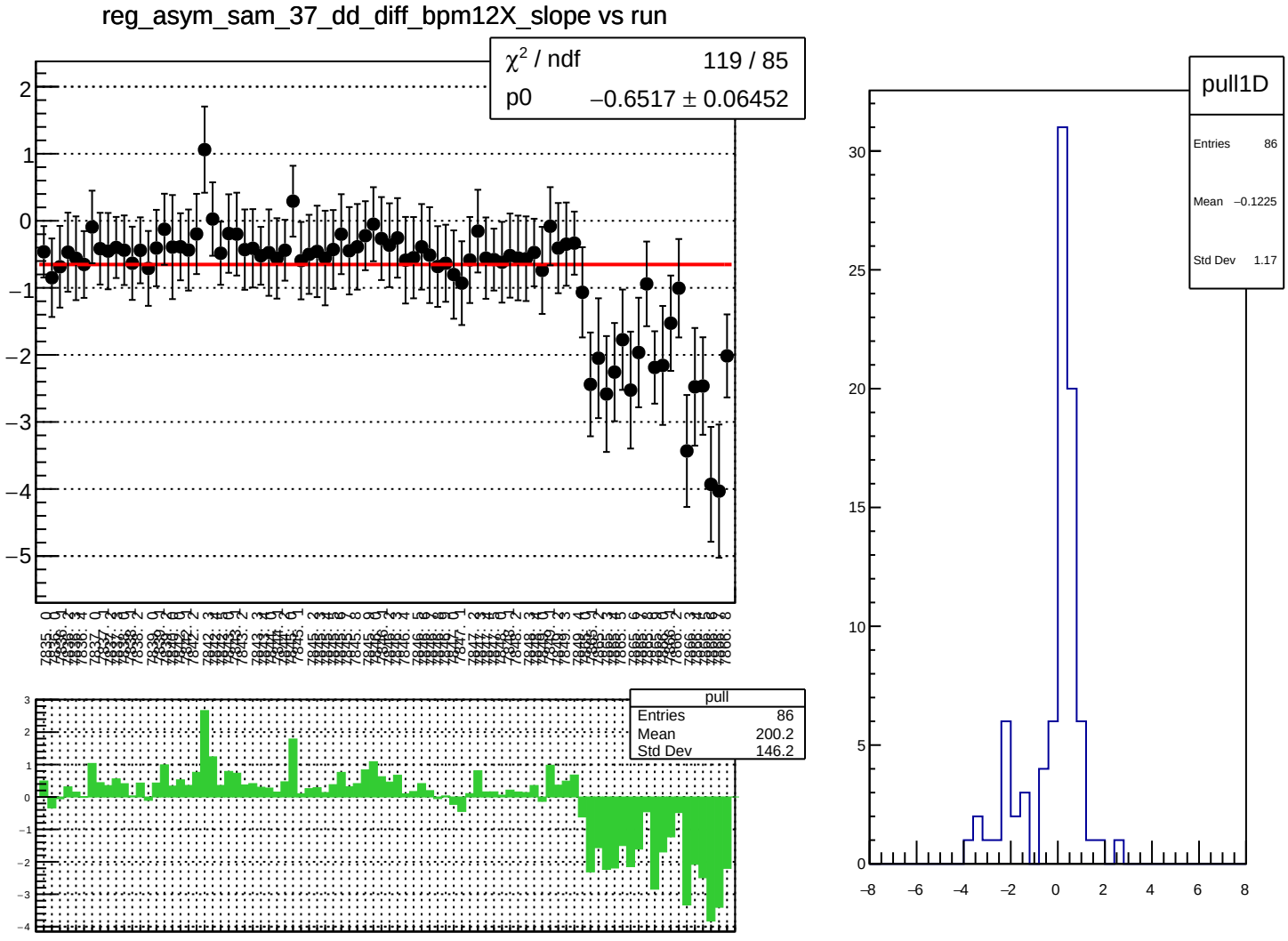

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 224.3 / 85
p0 −46.36 ± 1.532
pull
Entries 86
Mean 81.67
Std Dev 14.23
pull1D
Entries 86
Mean −0.5704
Std Dev 1.511

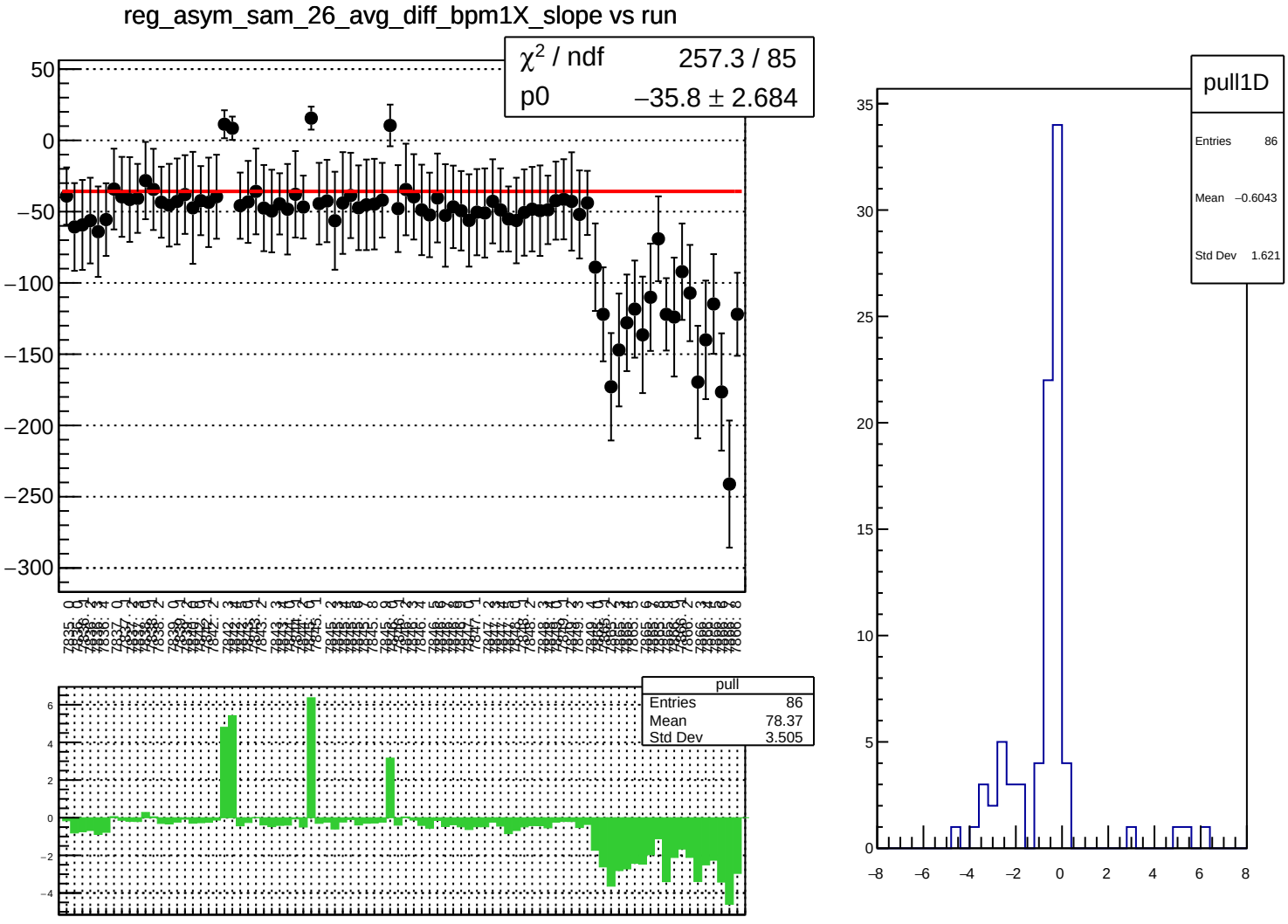

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 31.4 / 85
p0 −3.549 ± 1.844
pull
Entries 86
Mean 177.1
Std Dev 121
pull1D
Entries 86
Mean 0.05848
Std Dev 0.6014

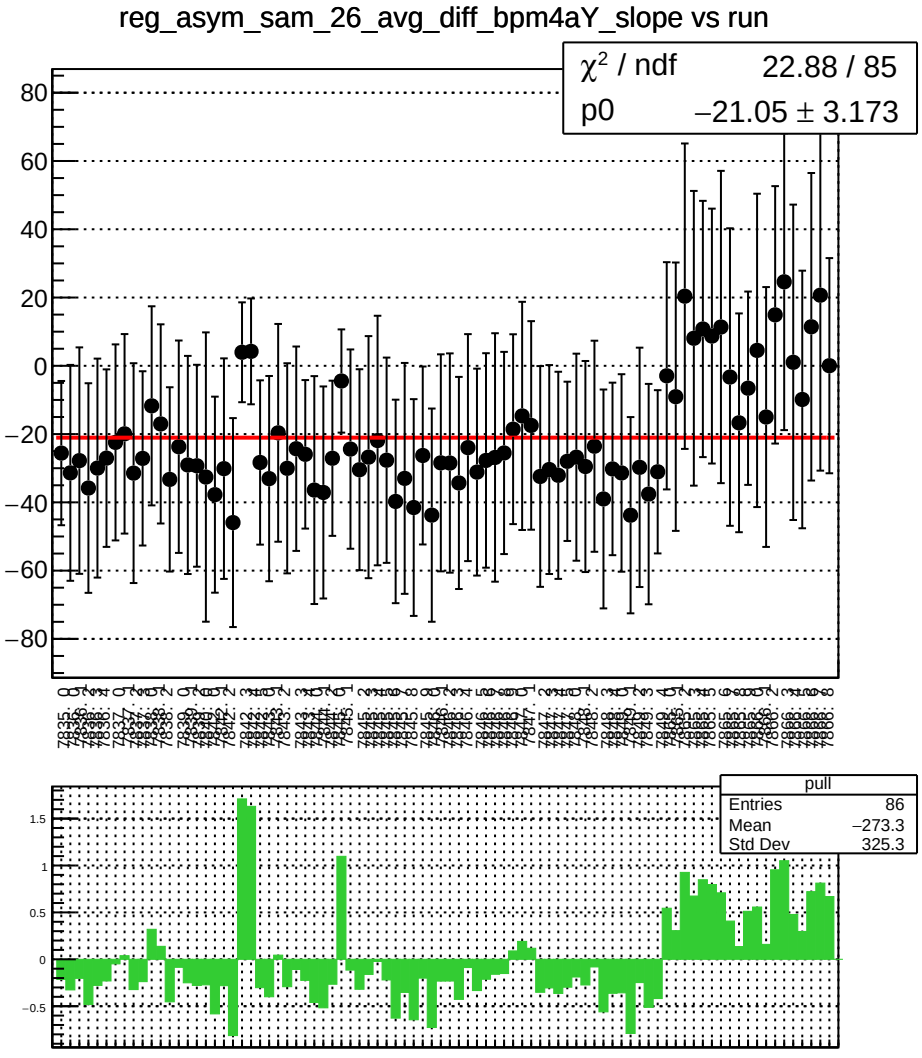

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 209.2 / 85
p0 −3.244 ± 1.328
pull
Entries 86
Mean 76.24
Std Dev 10.45
pull1D
Entries 86
Mean 0.6077
Std Dev 1.436

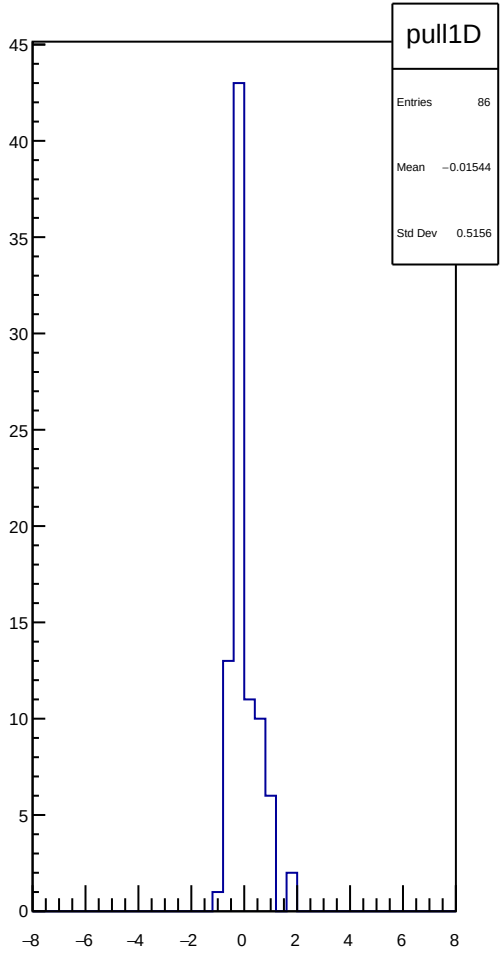

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 32.07 / 85
p0 13.74 ± 2.138
pull
Entries 86
Mean 158.7
Std Dev 102.2

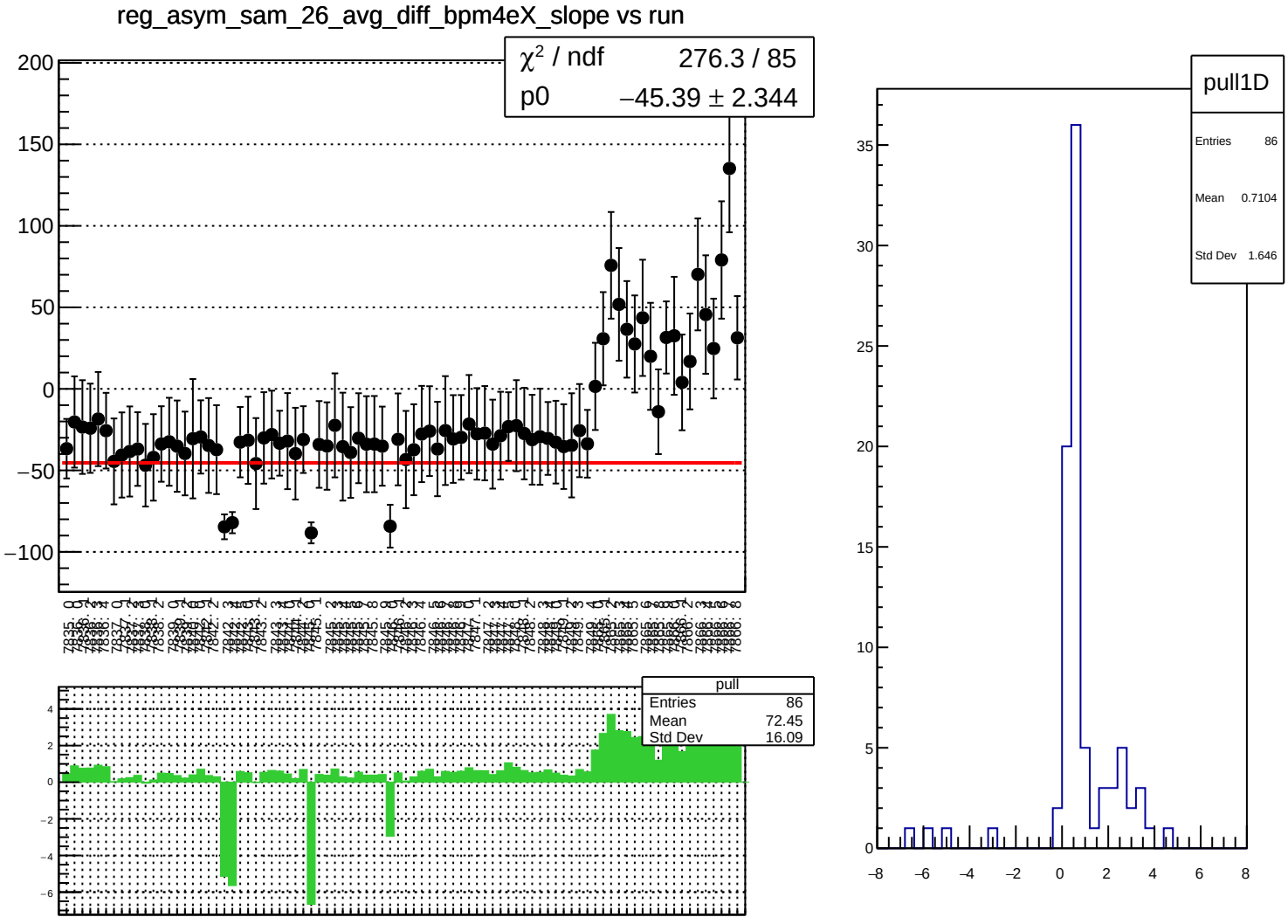

pull1D
Entries 86
Mean −0.0709
Std Dev 0.6065

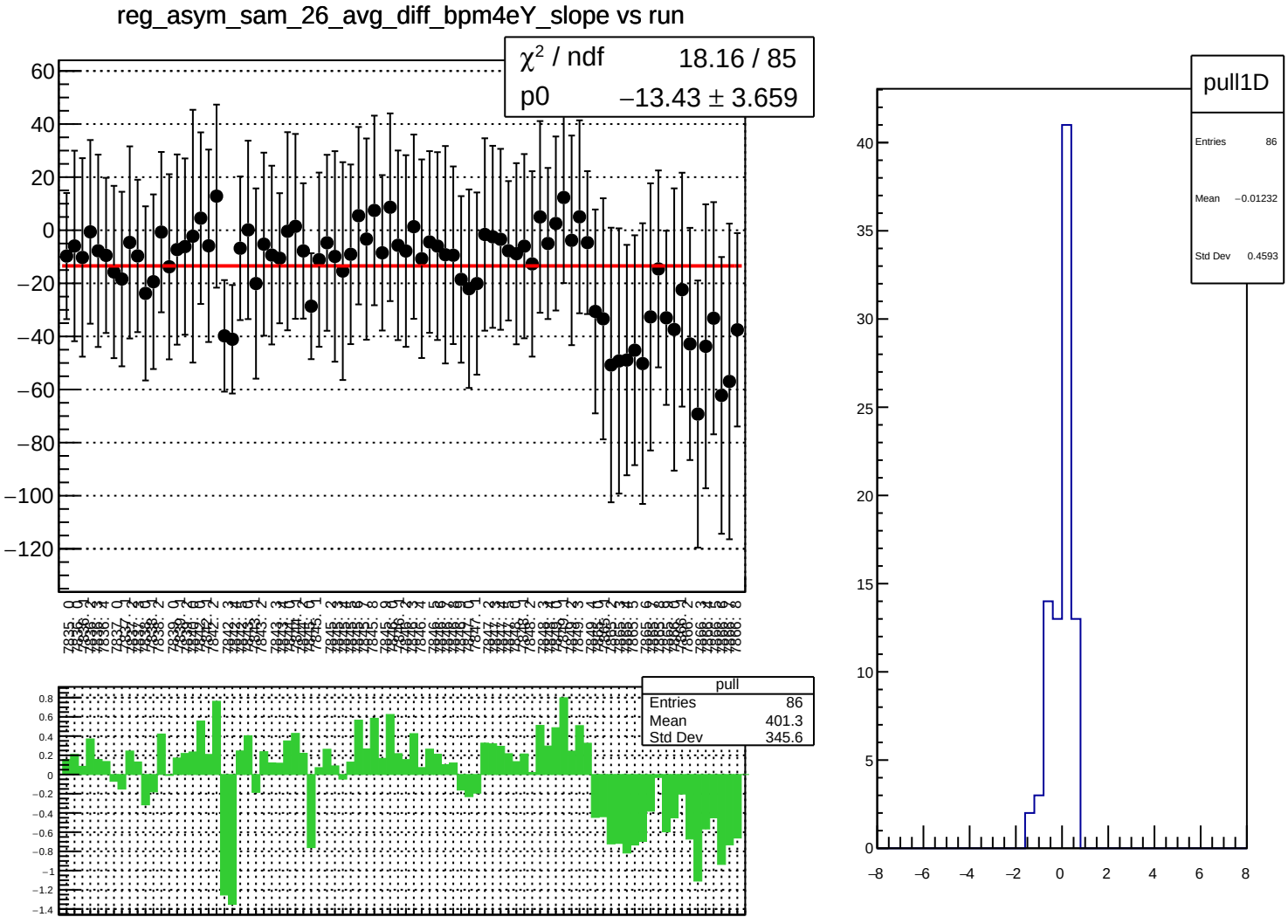

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 119 / 85
p0 −0.6517 ± 0.06452
pull
Entries 86
Mean 200.2
Std Dev 146.2
pull1D
Entries 86
Mean −0.1225
Std Dev 1.17

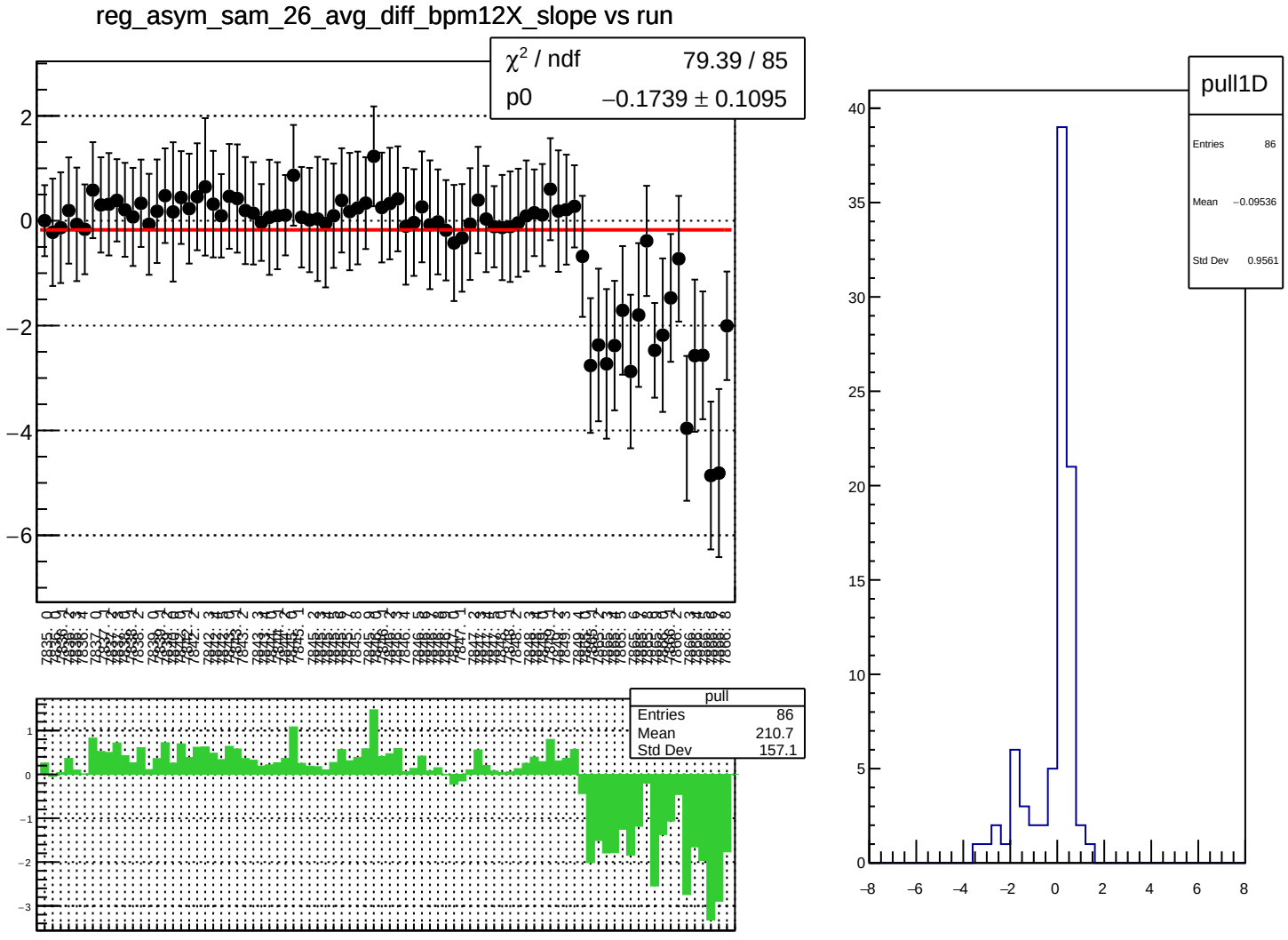

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 257.3 / 85
p0 −35.8 ± 2.684
pull
Entries 86
Mean 78.37
Std Dev 3.505
pull1D
Entries 86
Mean −0.6043
Std Dev 1.621

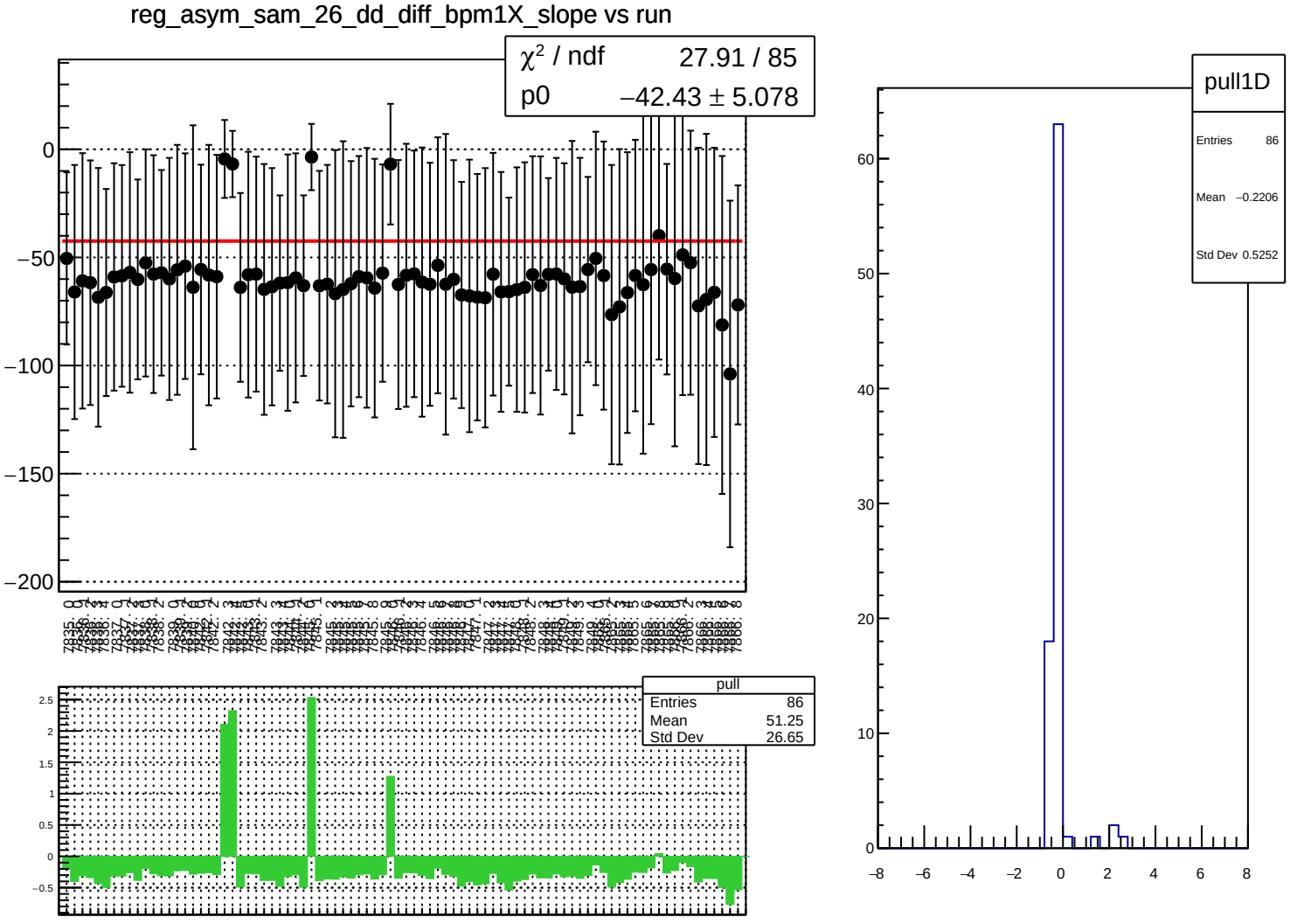

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 22.88 / 85
p0 −21.05 ± 3.173
pull
Entries 86
Mean −273.3
Std Dev 325.3

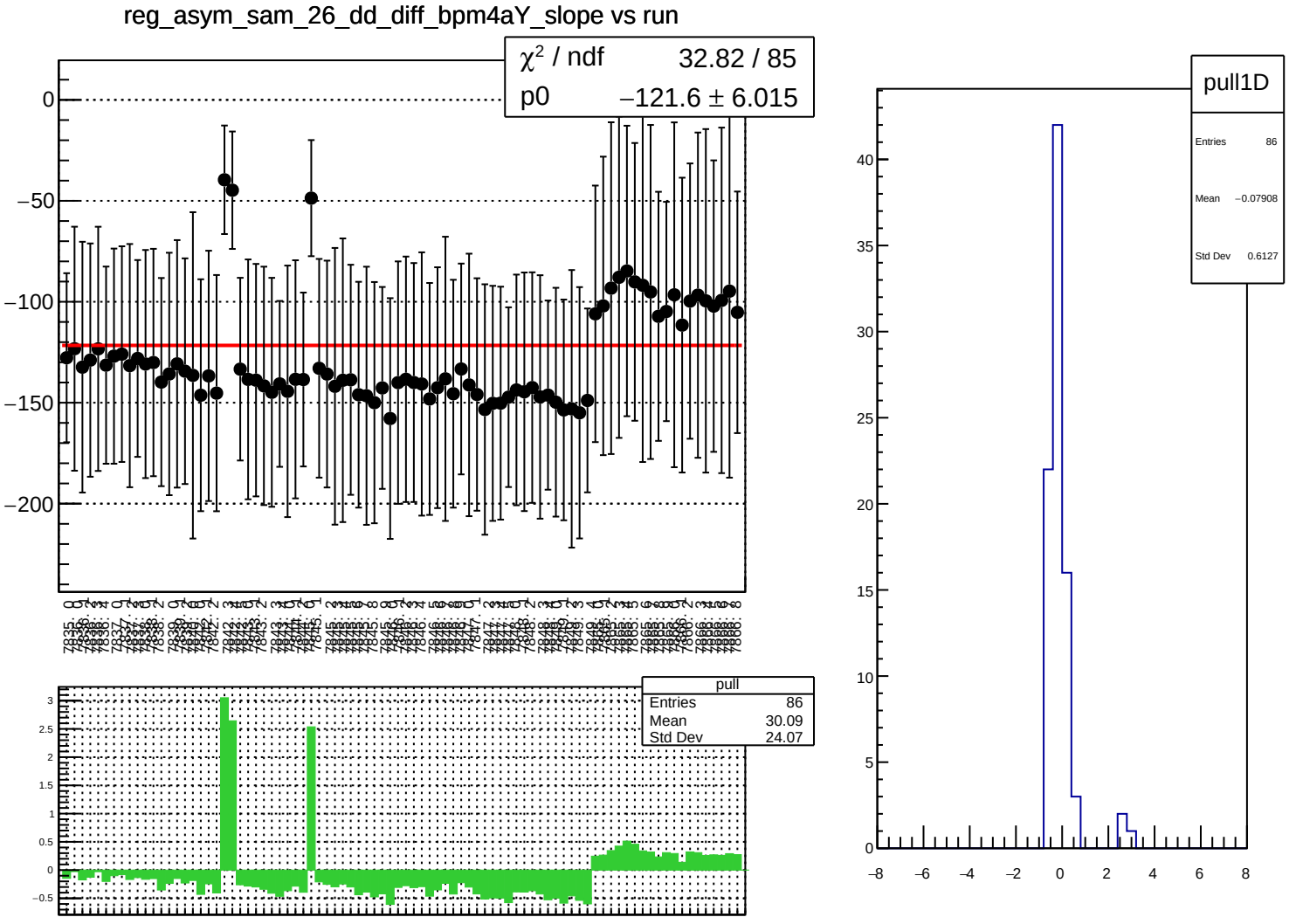

pull1D
Entries 86
Mean −0.01544
Std Dev 0.5156

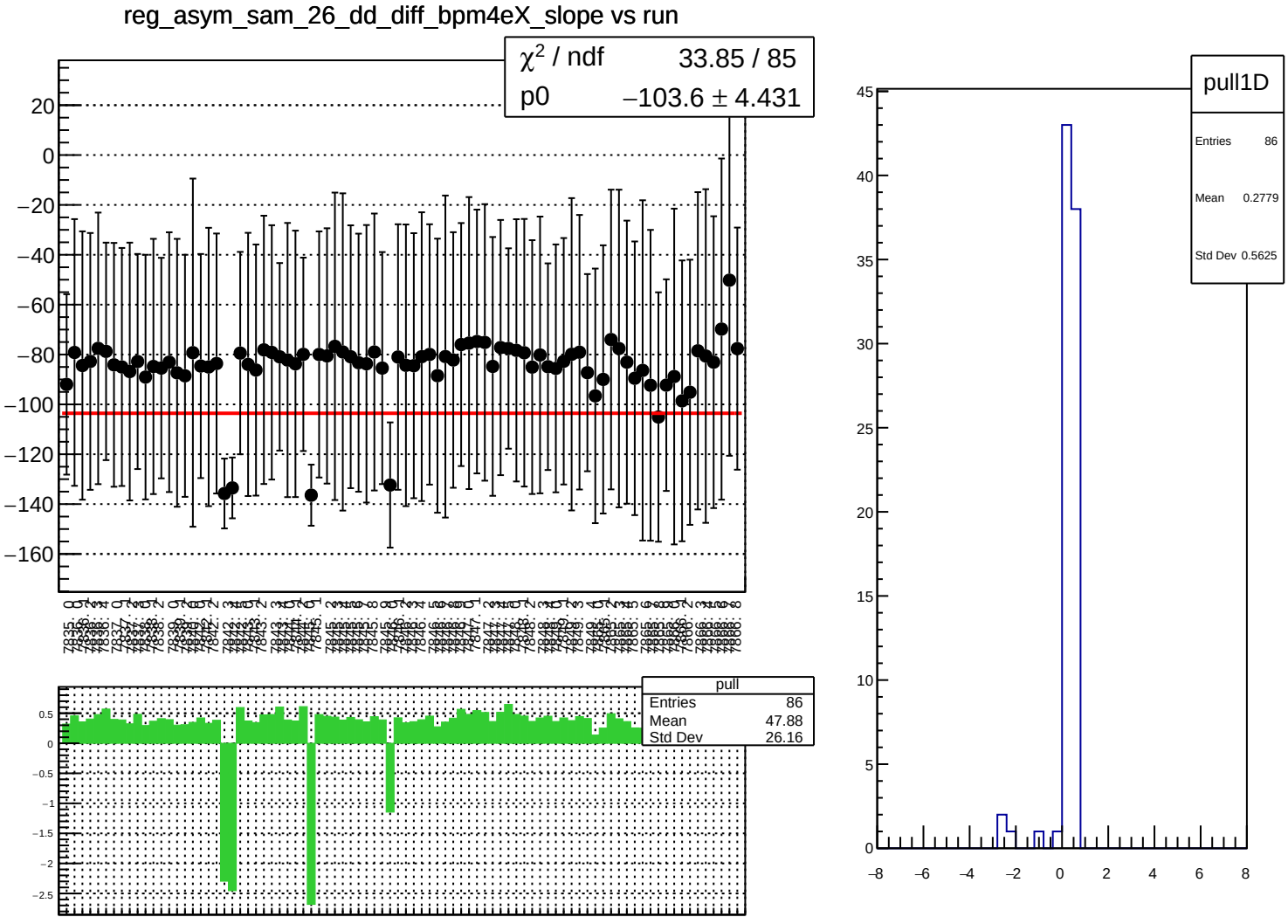

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 276.3 / 85
p0 −45.39 ± 2.344
pull
Entries 86
Mean 72.45
Std Dev 16.09
pull1D
Entries 86
Mean 0.7104
Std Dev 1.646

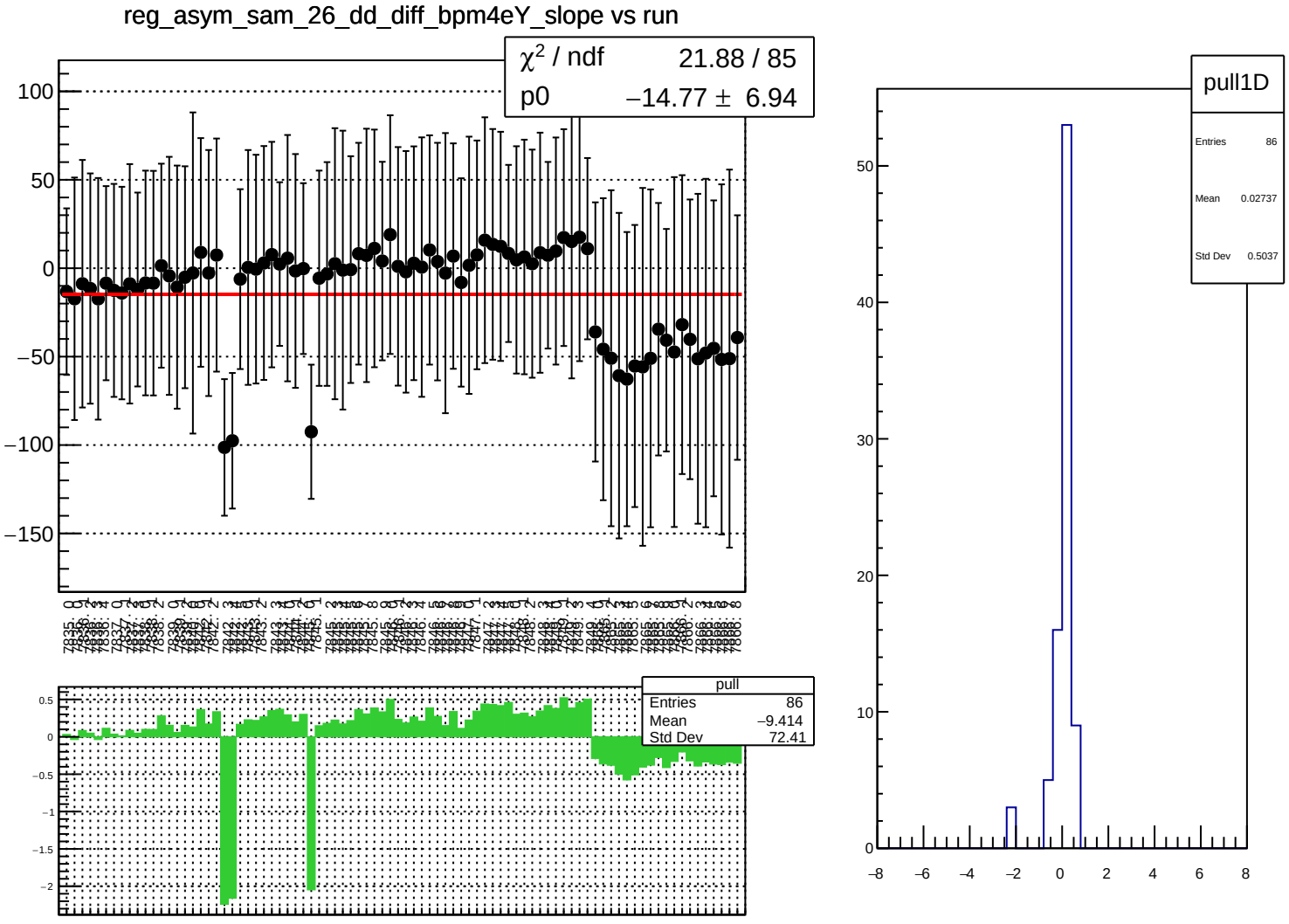

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 18.16 / 85
p0 −13.43 ± 3.659
pull
Entries 86
Mean 401.3
Std Dev 345.6
pull1D
Entries 86
Mean −0.01232
Std Dev 0.4593

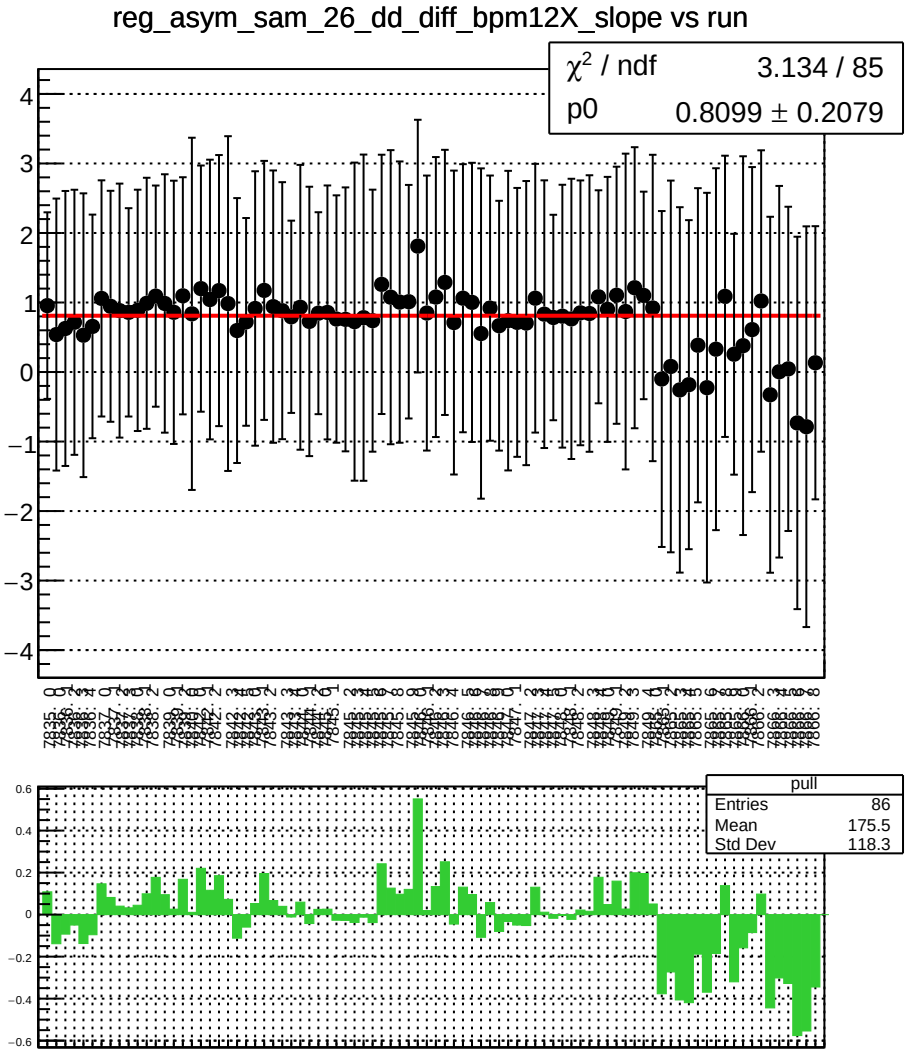

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ^2 / ndf 79.39 / 85
p0 −0.1739 ± 0.1095
pull
Entries 86
Mean 210.7
Std Dev 157.1
pull1D
Entries 86
Mean −0.09536
Std Dev 0.9561

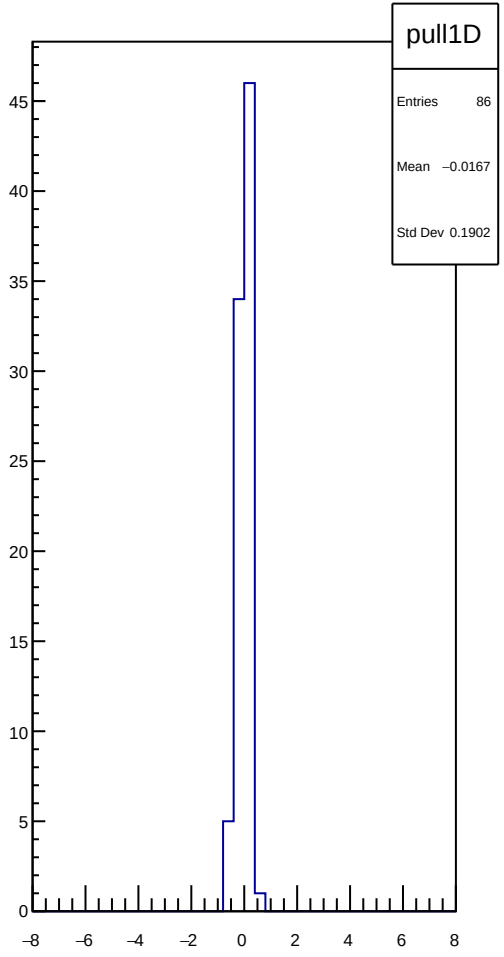

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 27.91 / 85
p0 −42.43 ± 5.078
pull
Entries 86
Mean 51.25
Std Dev 26.65
pull1D
Entries 86
Mean −0.2206
Std Dev 0.5252

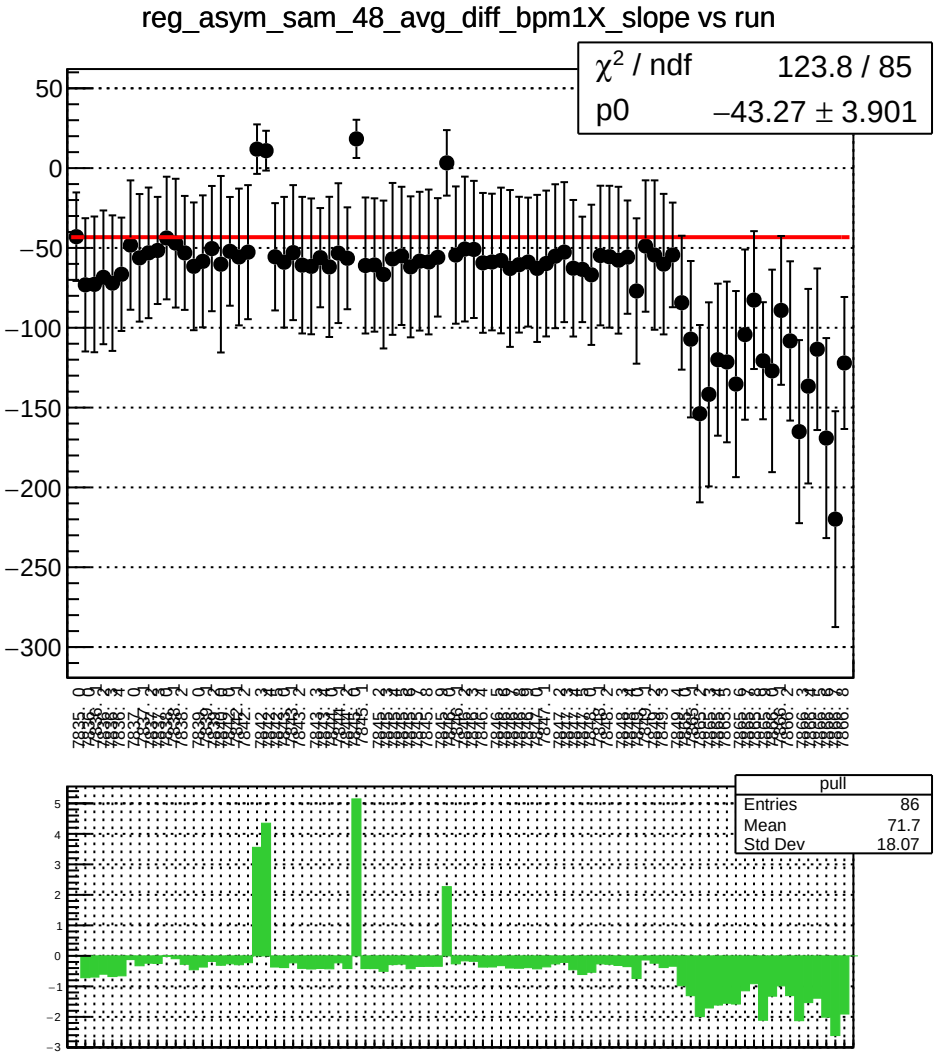

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 32.82 / 85
p0 −121.6 ± 6.015
pull
Entries 86
Mean 30.09
Std Dev 24.07
pull1D
Entries 86
Mean −0.07908
Std Dev 0.6127

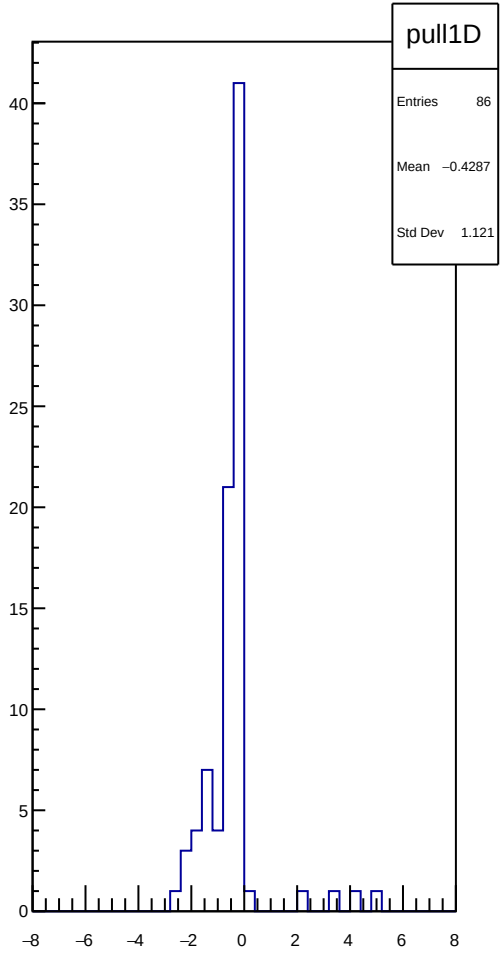

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 33.85 / 85
p0 −103.6 ± 4.431
pull
Entries 86
Mean 47.88
Std Dev 26.16
pull1D
Entries 86
Mean 0.2779
Std Dev 0.5625

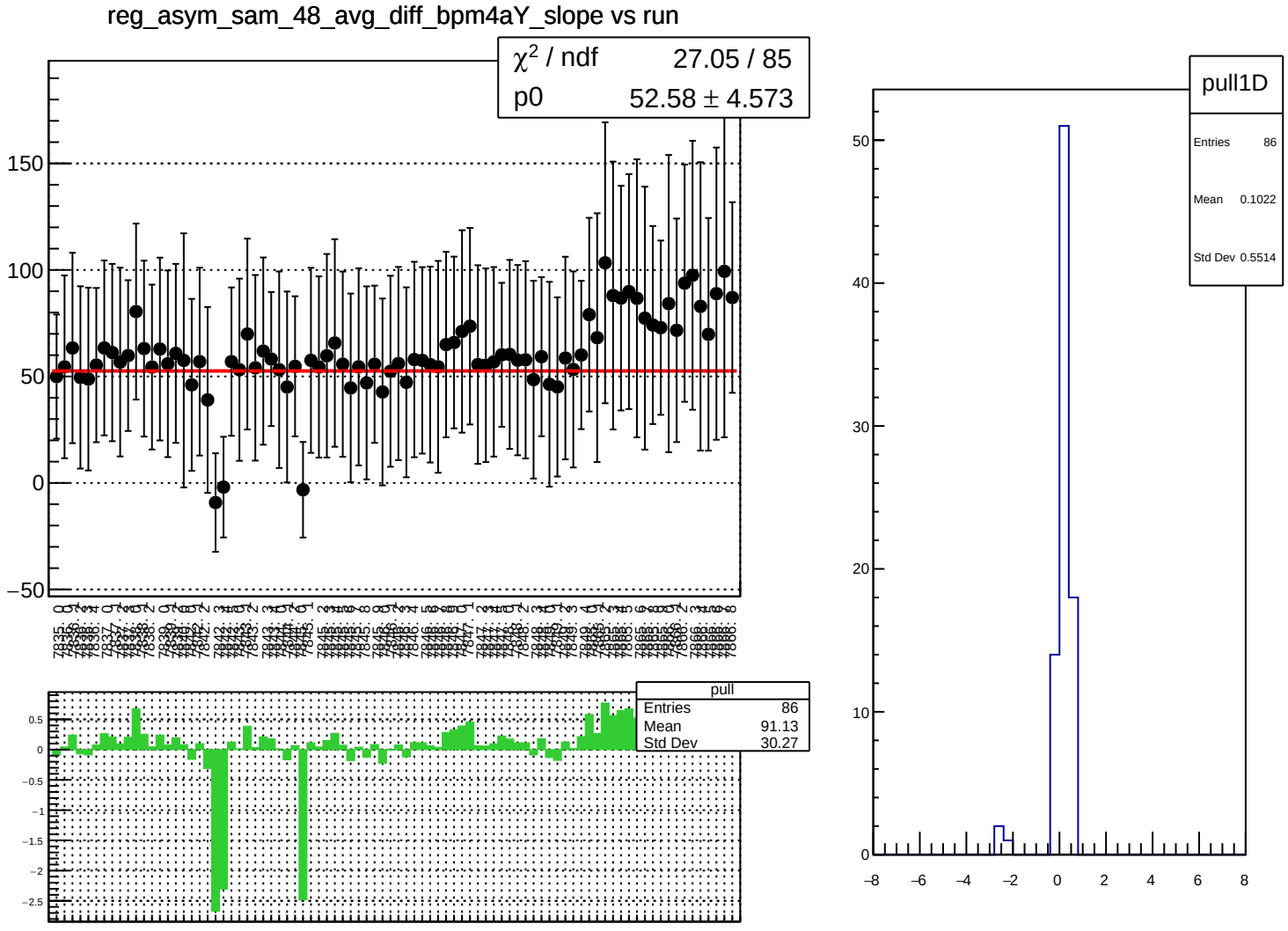

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 21.88 / 85
p0 −14.77 ± 6.94
pull
Entries 86
Mean −9.414
Std Dev 72.41
pull1D
Entries 86
Mean 0.02737
Std Dev 0.5037

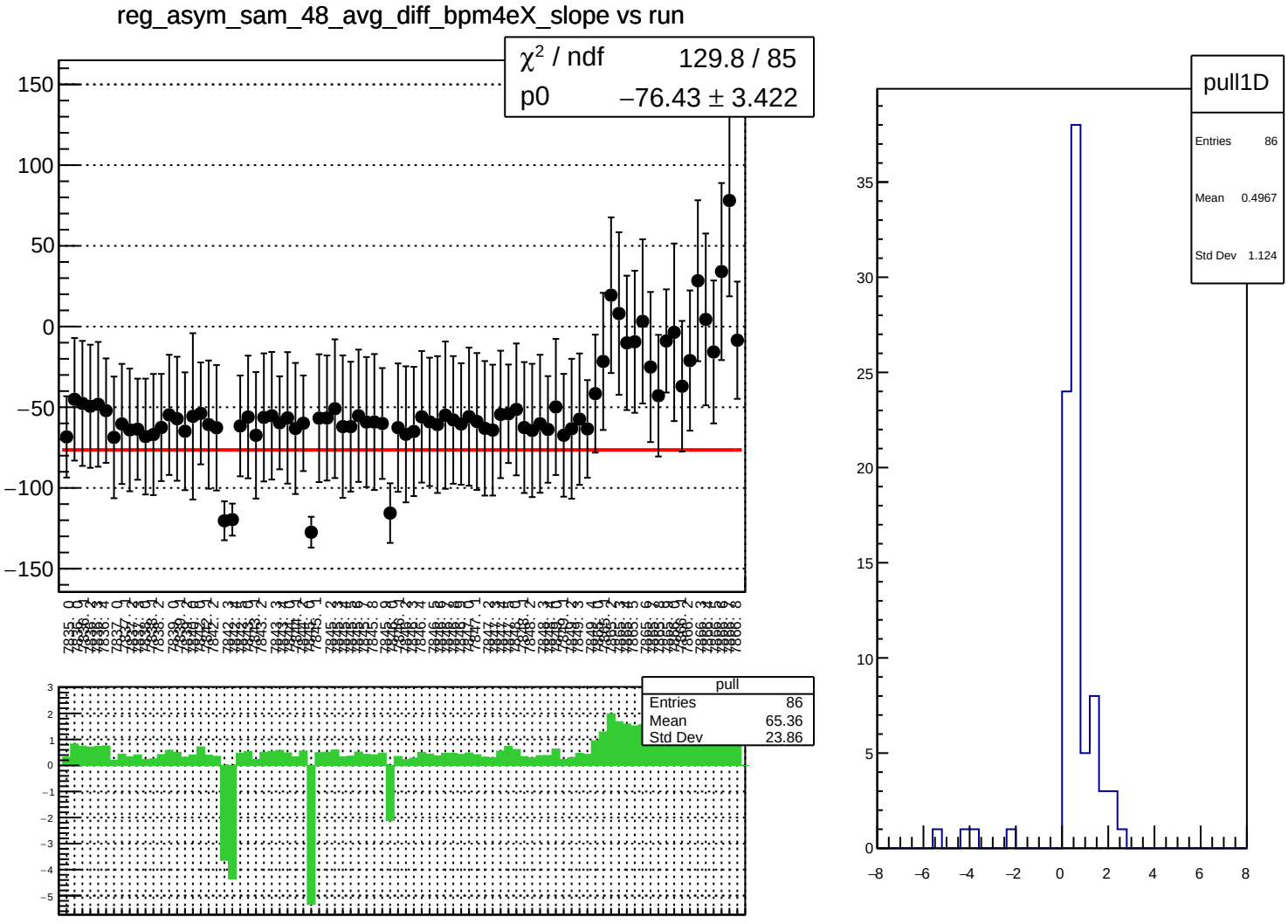

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ^2 / ndf 3.134 / 85
p0 0.8099 ± 0.2079
pull
Entries 86
Mean 175.5
Std Dev 118.3

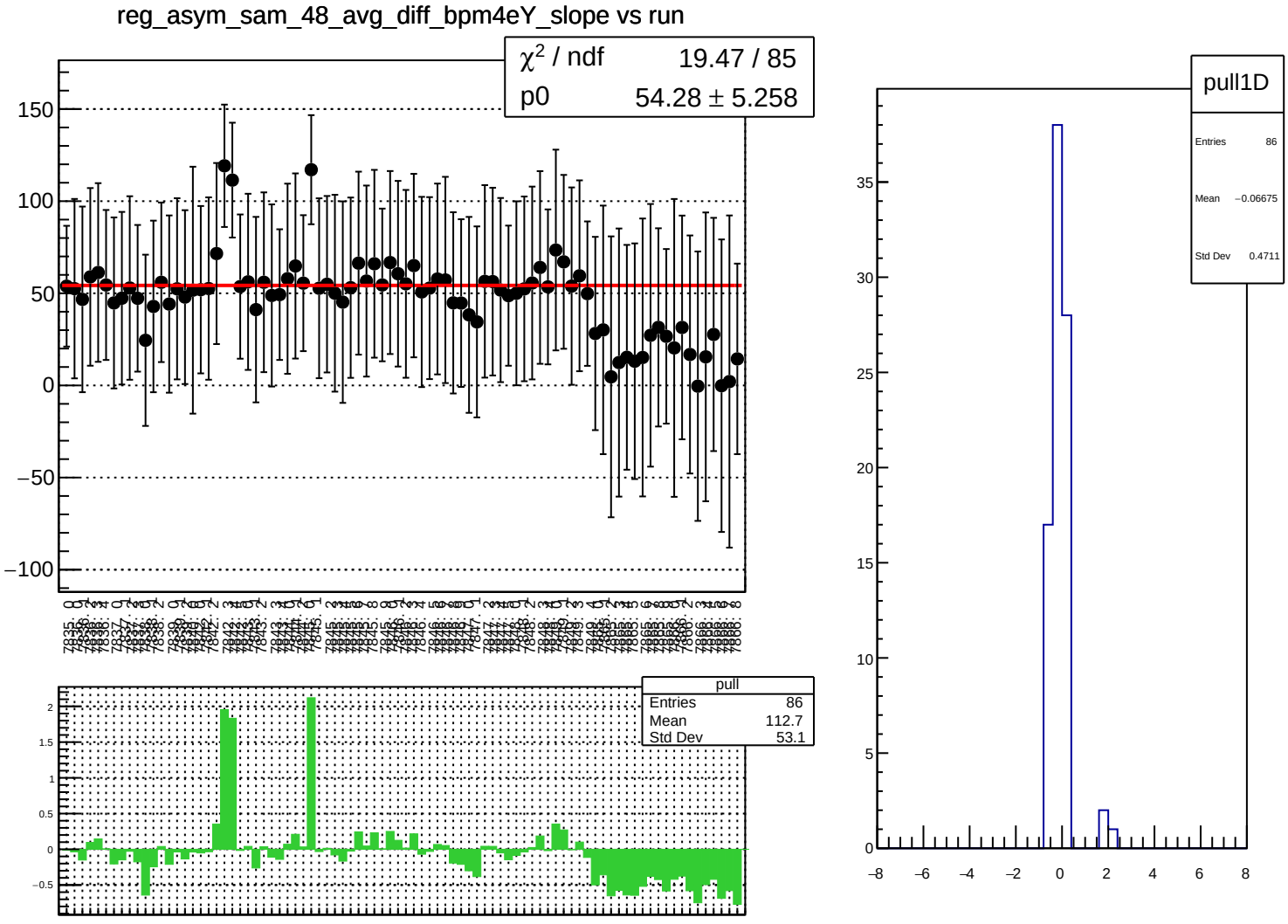

pull1D
Entries 86
Mean −0.0167
Std Dev 0.1902

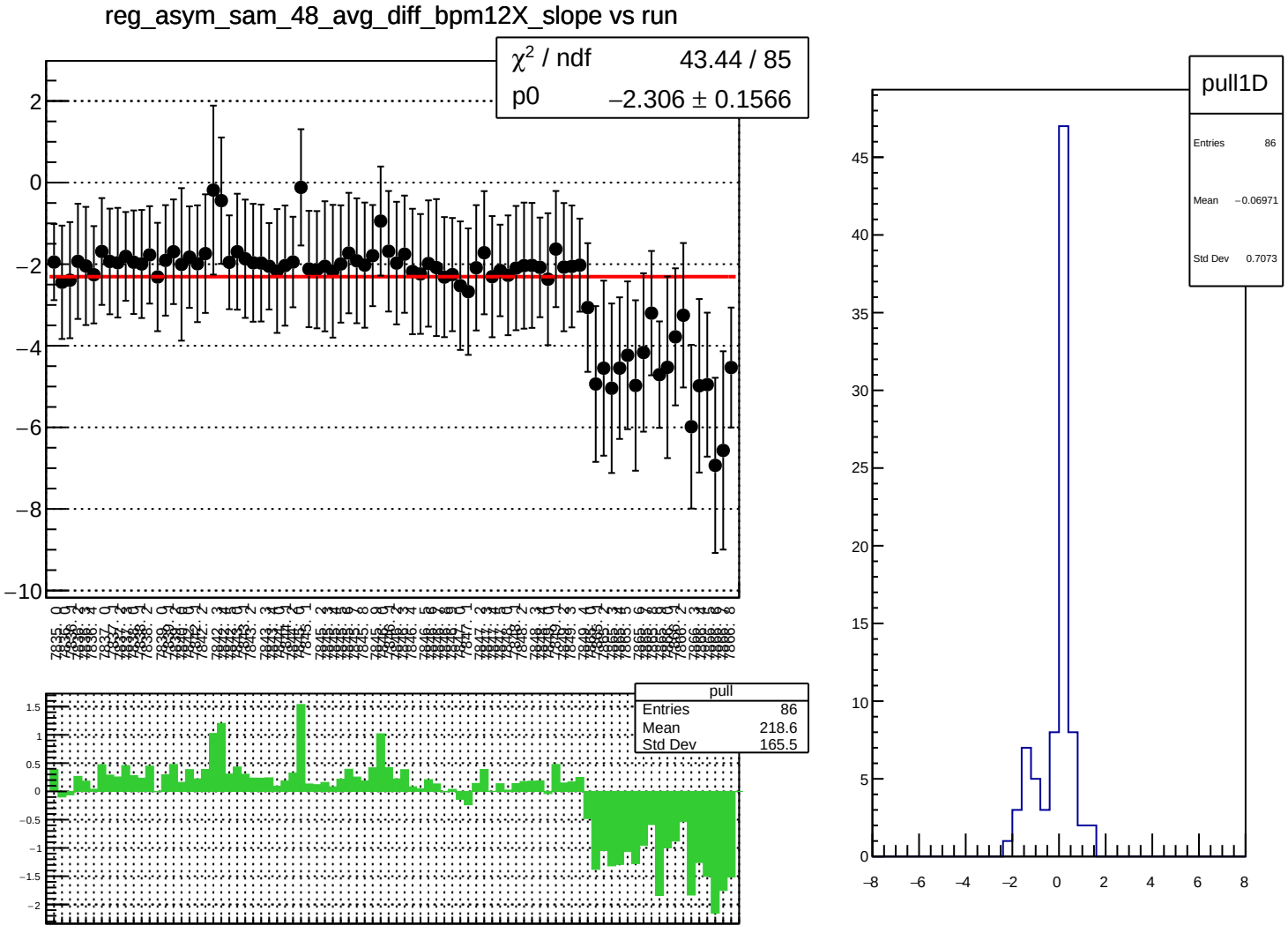

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ^2 / ndf 123.8 / 85
p0 −43.27 ± 3.901
pull
Entries 86
Mean 71.7
Std Dev 18.07

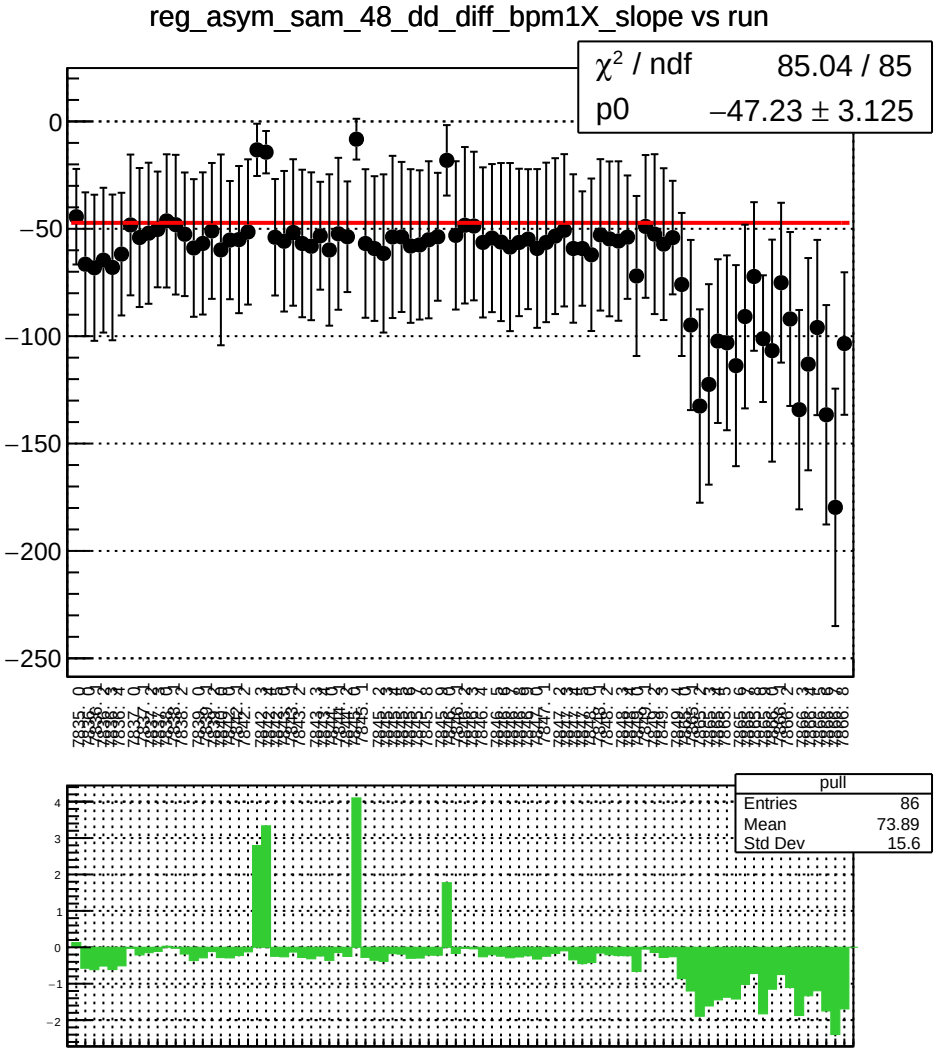

pull1D
Entries 86
Mean −0.4287
Std Dev 1.121

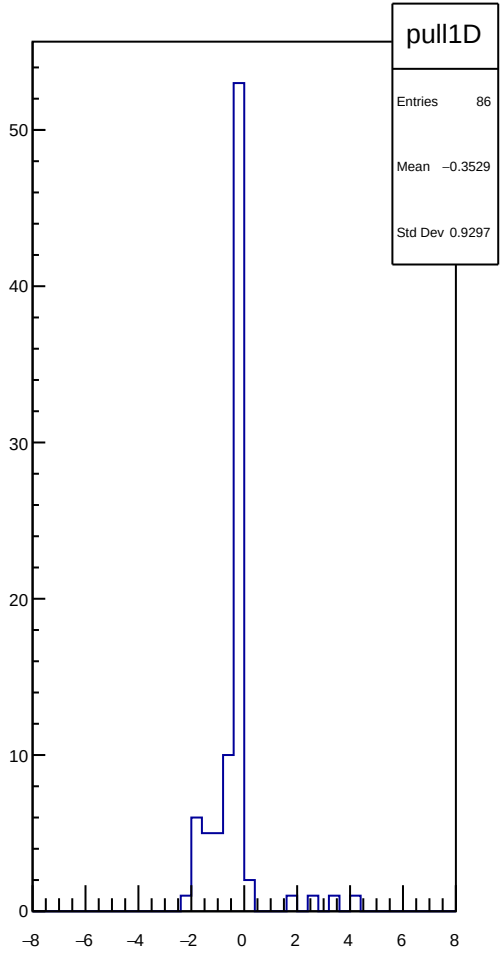

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 27.05 / 85
p0 52.58 ± 4.573
pull
Entries 86
Mean 91.13
Std Dev 30.27
pull1D
Entries 86
Mean 0.1022
Std Dev 0.5514

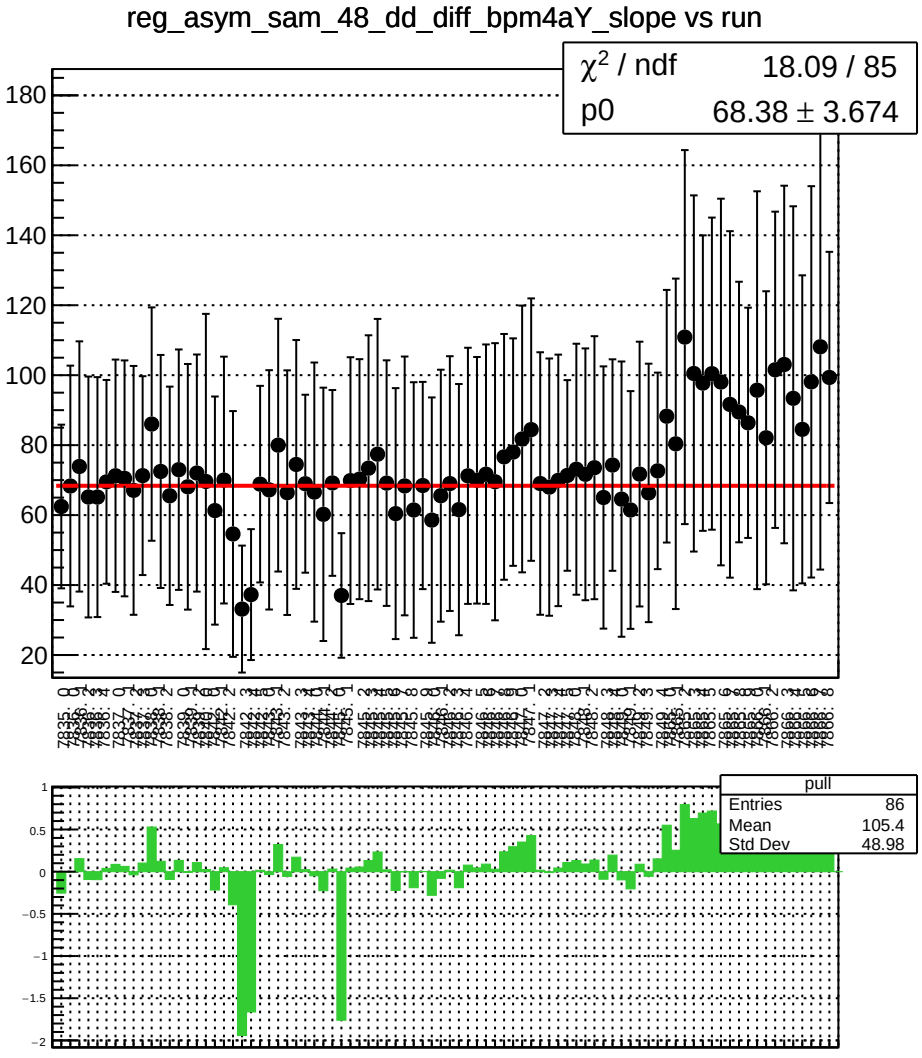

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 129.8 / 85
p0 −76.43 ± 3.422
pull
Entries 86
Mean 65.36
Std Dev 23.86
pull1D
Entries 86
Mean 0.4967
Std Dev 1.124

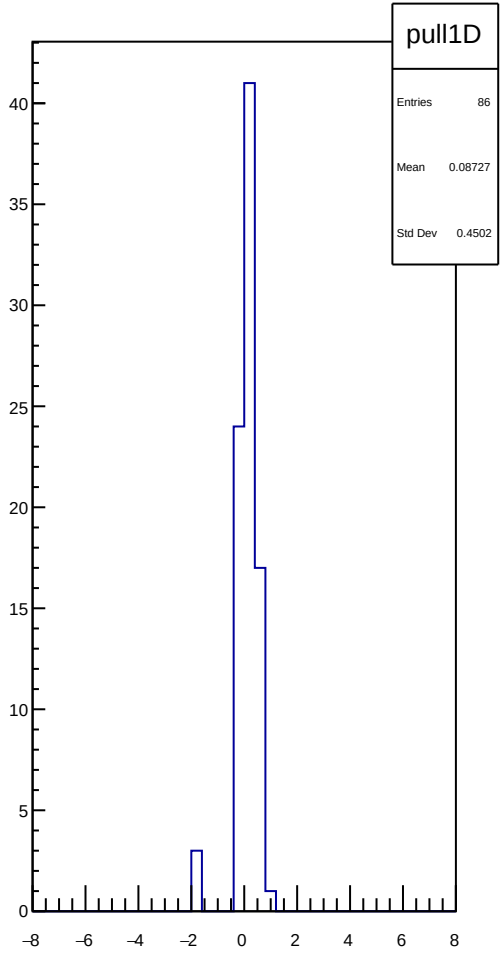

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 19.47 / 85
p0 54.28 ± 5.258
pull
Entries 86
Mean 112.7
Std Dev 53.1
pull1D
Entries 86
Mean −0.06675
Std Dev 0.4711

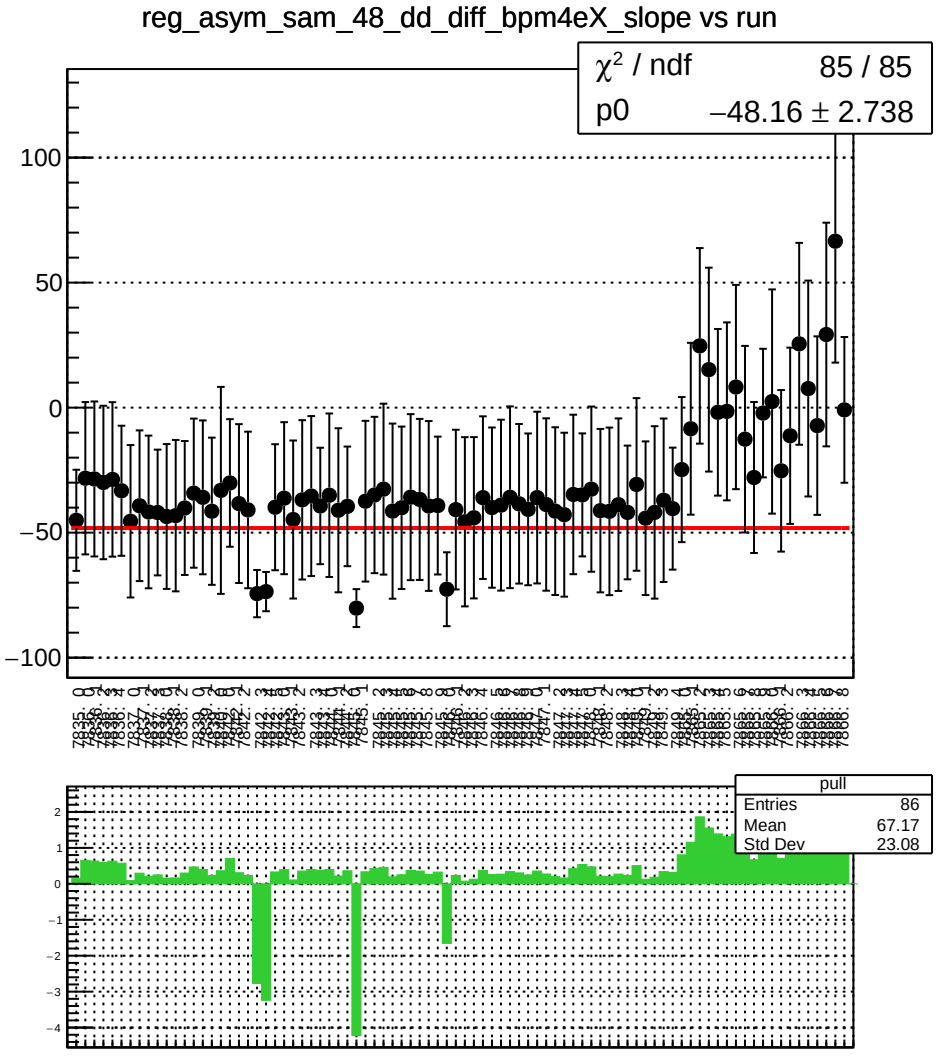

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 43.44 / 85
p0 −2.306 ± 0.1566
pull
Entries 86
Mean 218.6
Std Dev 165.5
pull1D
Entries 86
Mean −0.06971
Std Dev 0.7073

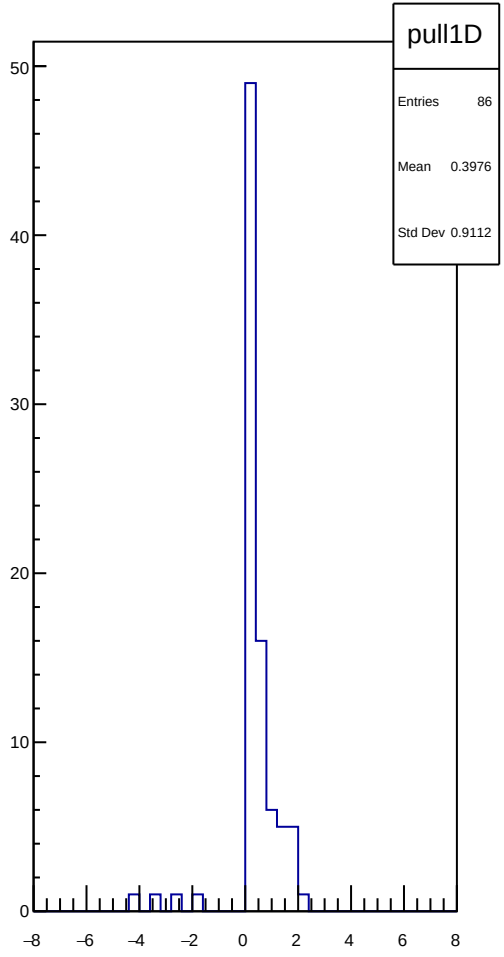

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 85.04 / 85
p0 −47.23 ± 3.125
pull
Entries 86
Mean 73.89
Std Dev 15.6

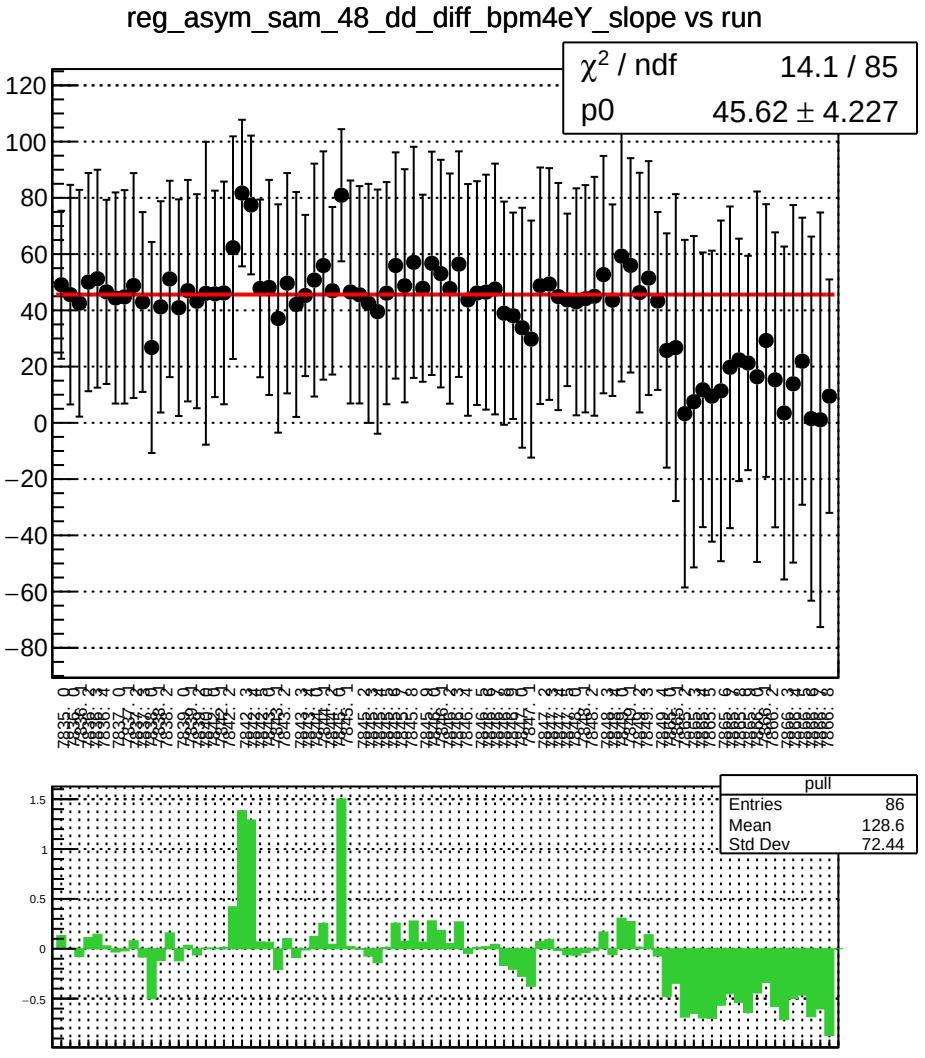

pull1D
Entries 86
Mean −0.3529
Std Dev 0.9297

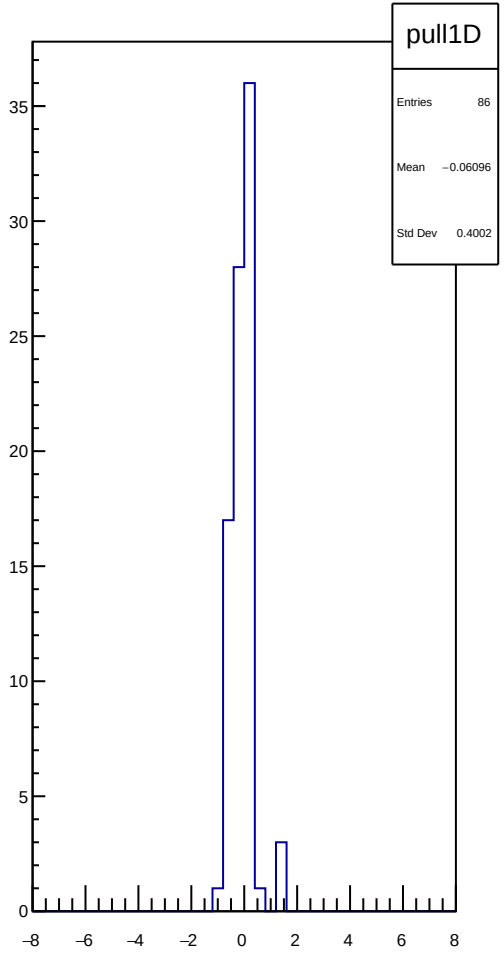

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 18.09 / 85
p0 68.38 ± 3.674
pull
Entries 86
Mean 105.4
Std Dev 48.98

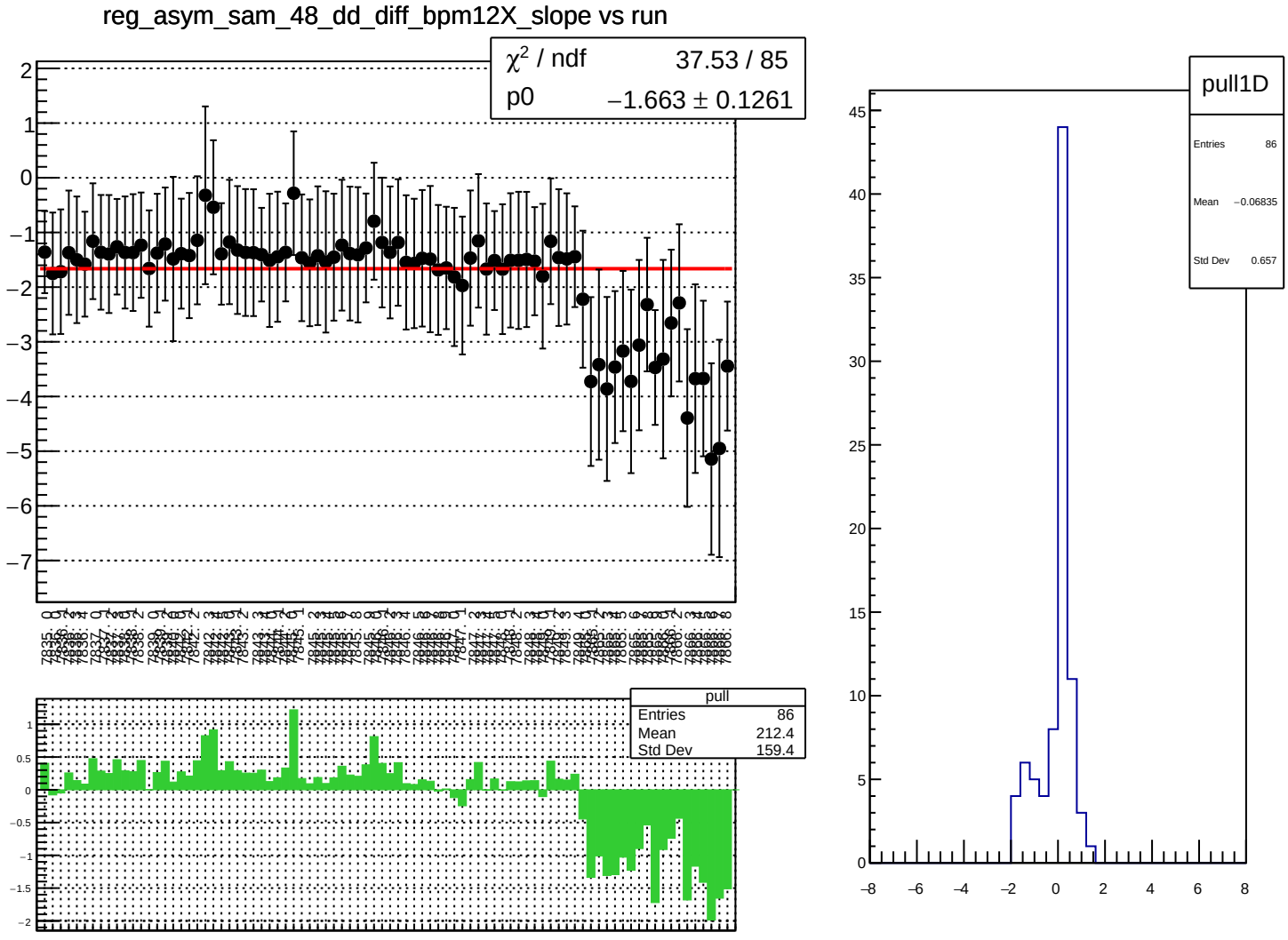

pull1D
Entries 86
Mean 0.08727
Std Dev 0.4502

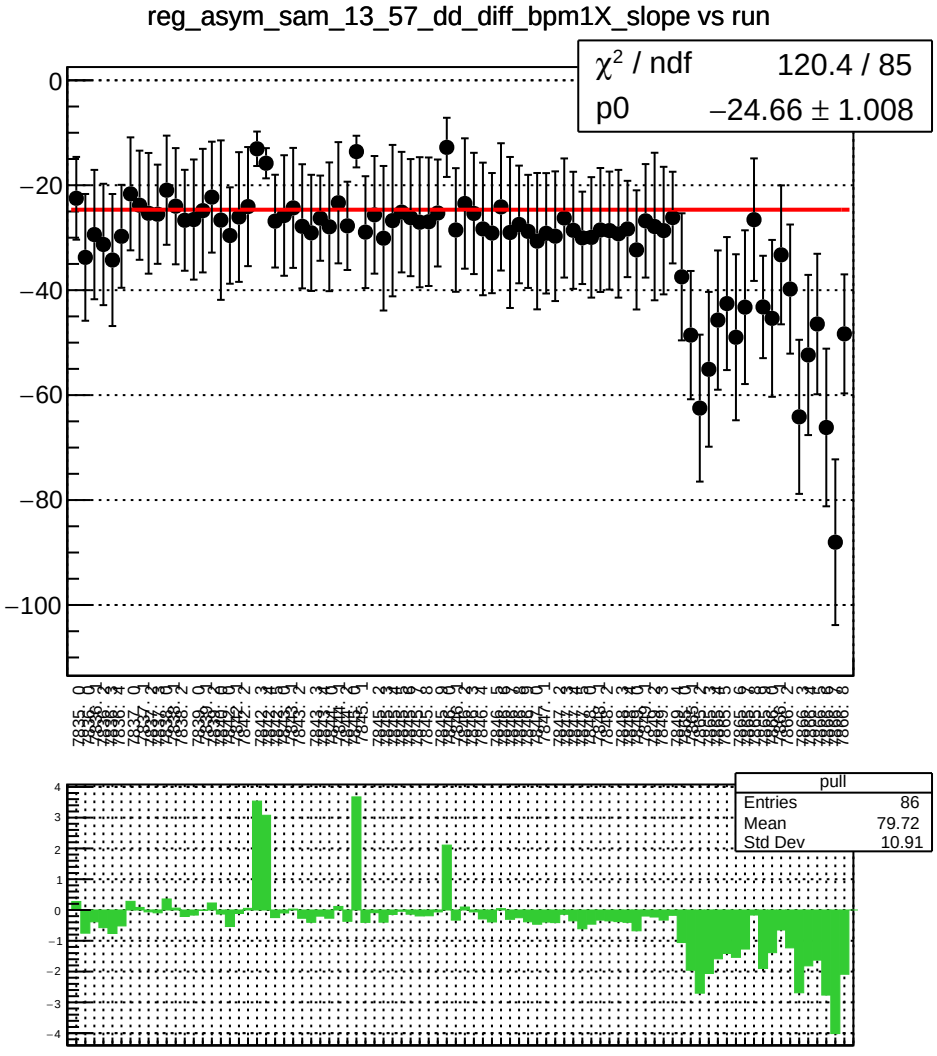

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 85 / 85
p0 −48.16 ± 2.738
pull
Entries 86
Mean 67.17
Std Dev 23.08

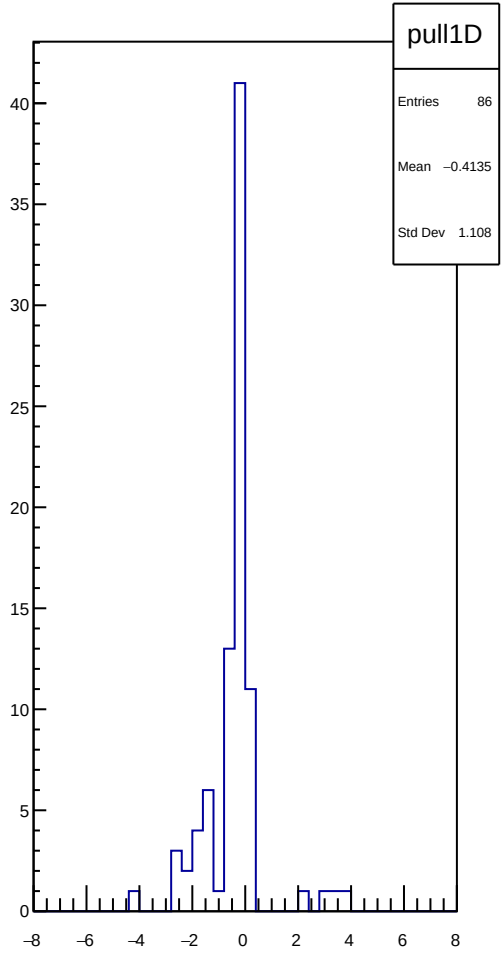

pull1D
Entries 86
Mean 0.3976
Std Dev 0.9112

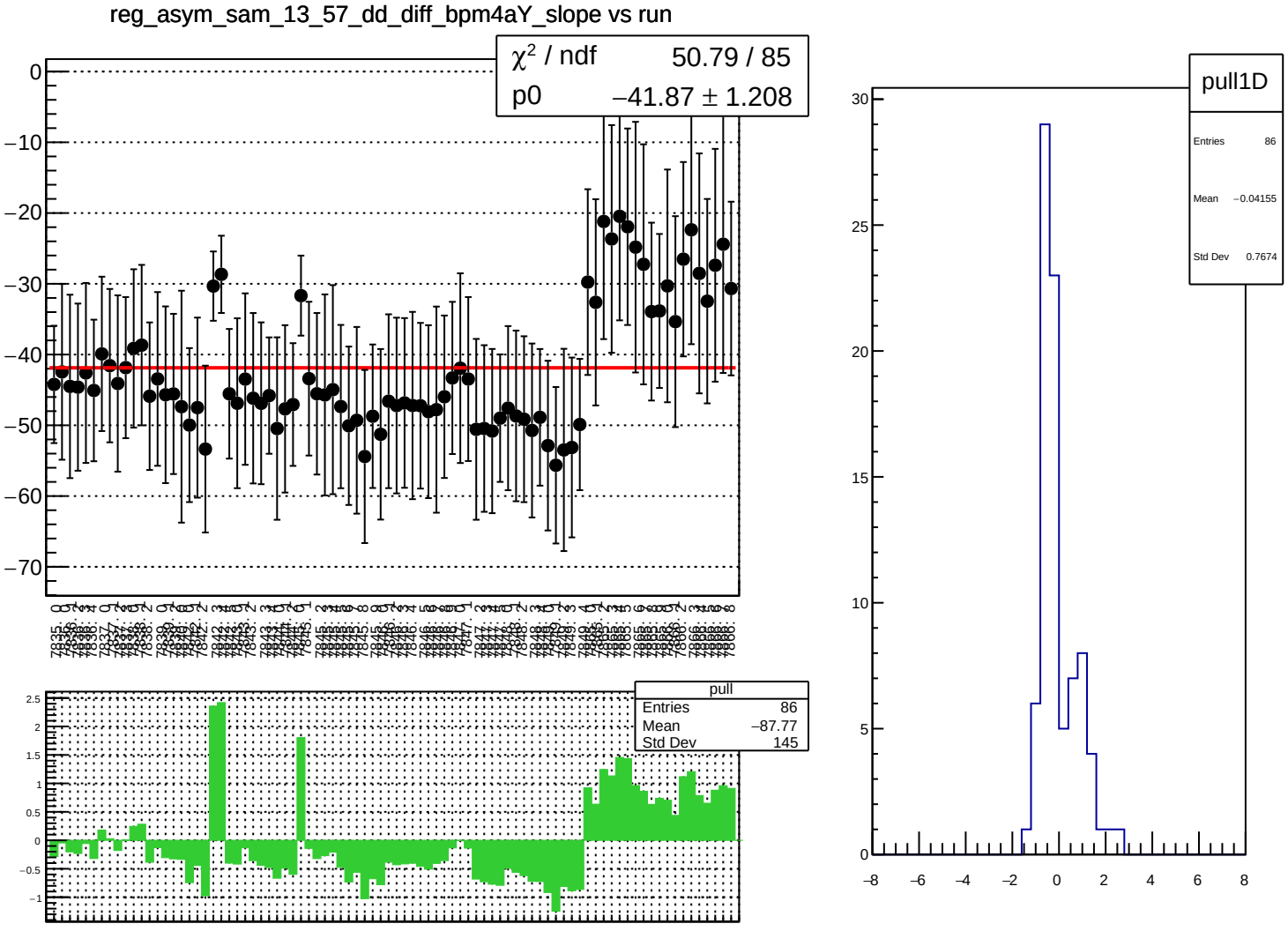

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.1 / 85
p0 45.62 ± 4.227
pull
Entries 86
Mean 128.6
Std Dev 72.44

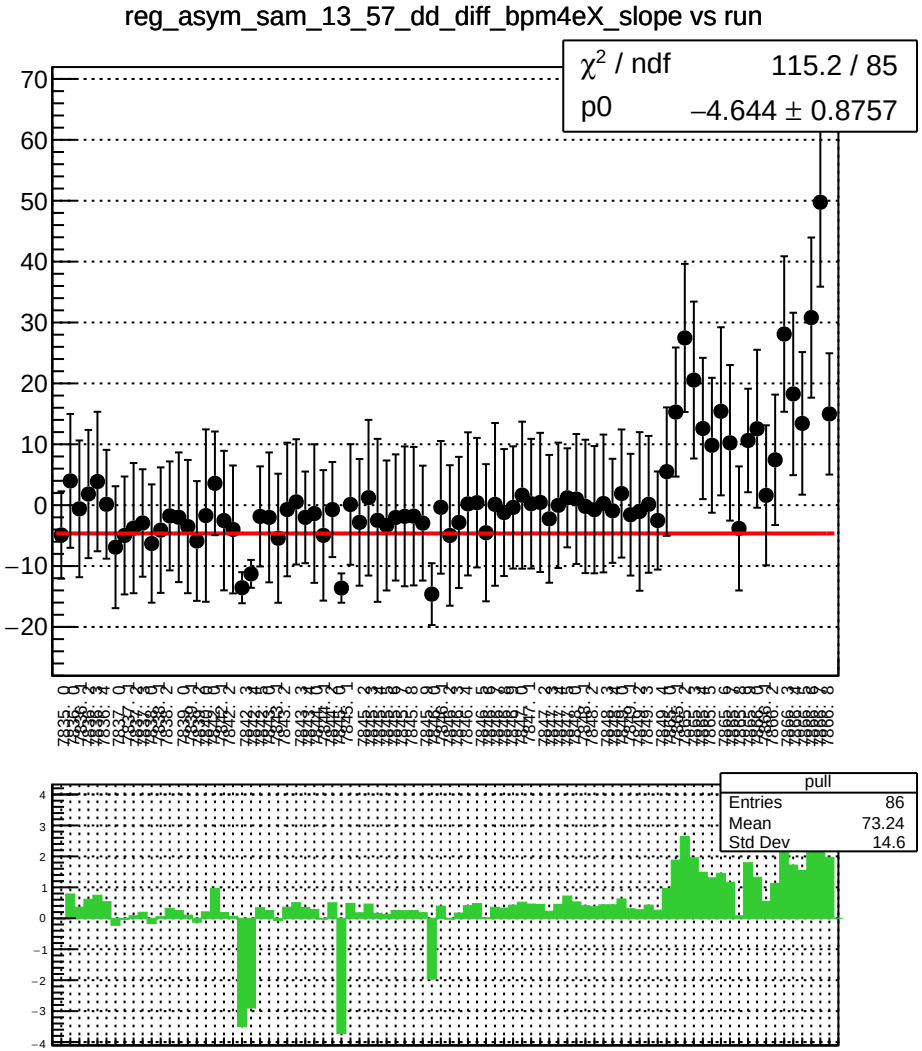

pull1D
Entries 86
Mean −0.06096
Std Dev 0.4002

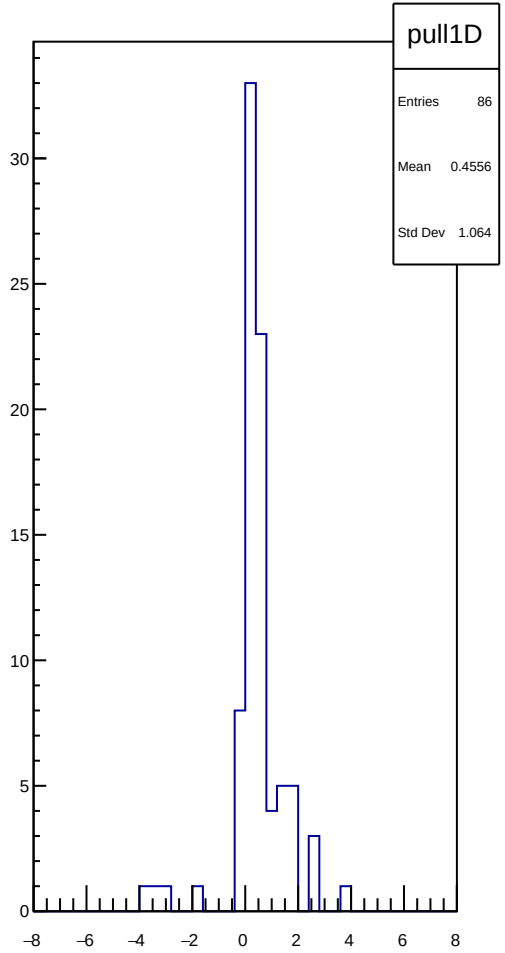

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 37.53 / 85
p0 −1.663 ± 0.1261
pull
Entries 86
Mean 212.4
Std Dev 159.4
pull1D
Entries 86
Mean −0.06835
Std Dev 0.657

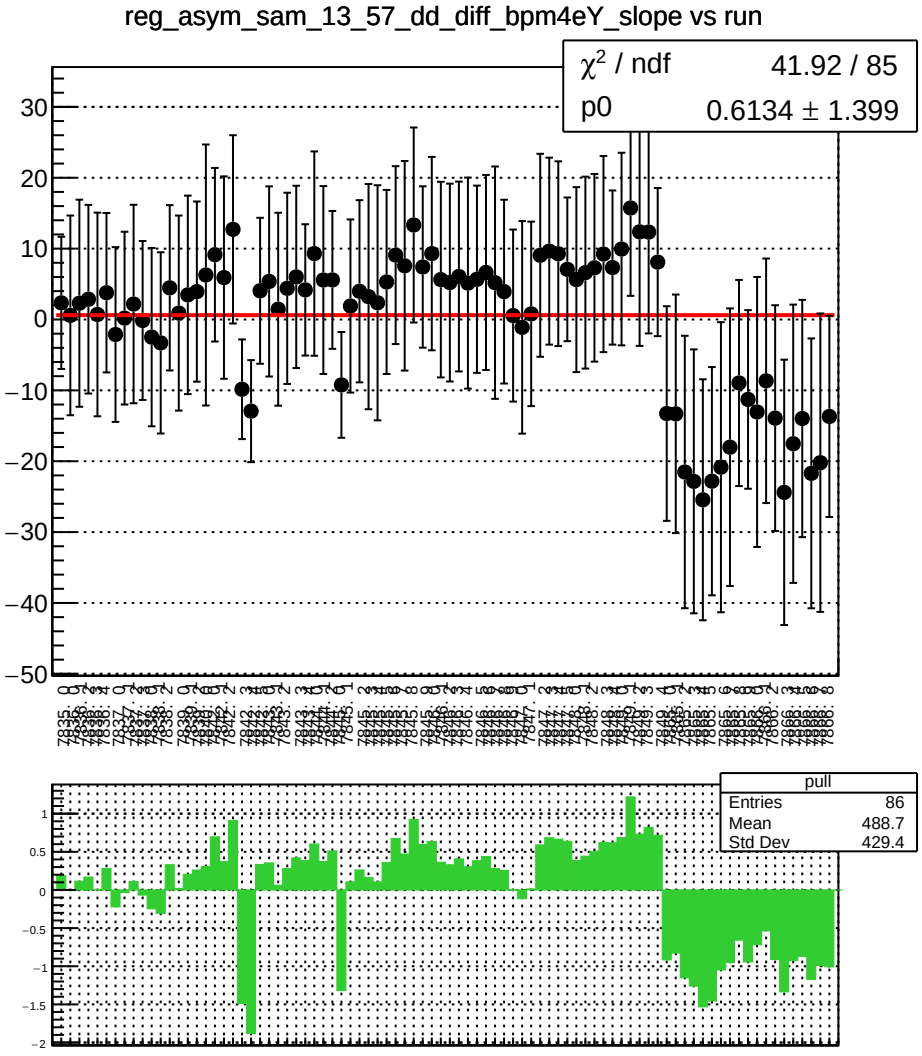

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 120.4 / 85
p0 −24.66 ± 1.008
pull
Entries 86
Mean 79.72
Std Dev 10.91

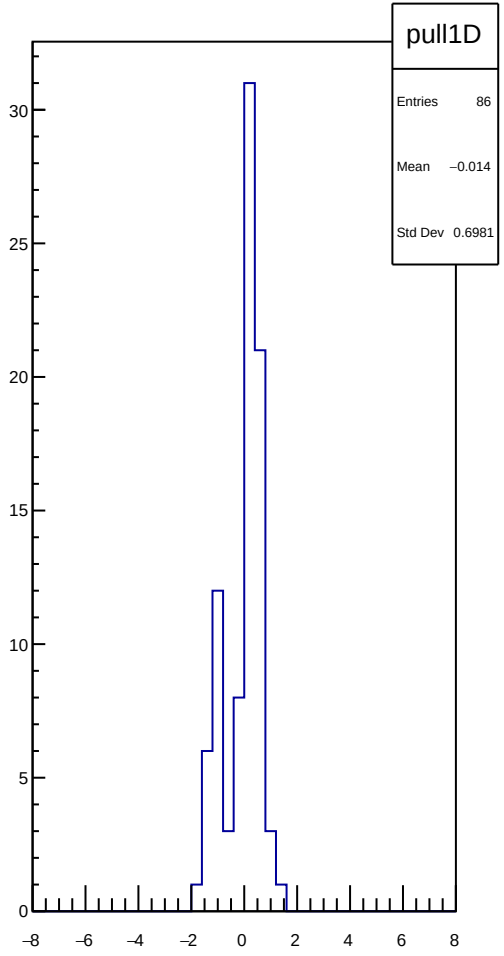

pull1D
Entries 86
Mean −0.4135
Std Dev 1.108

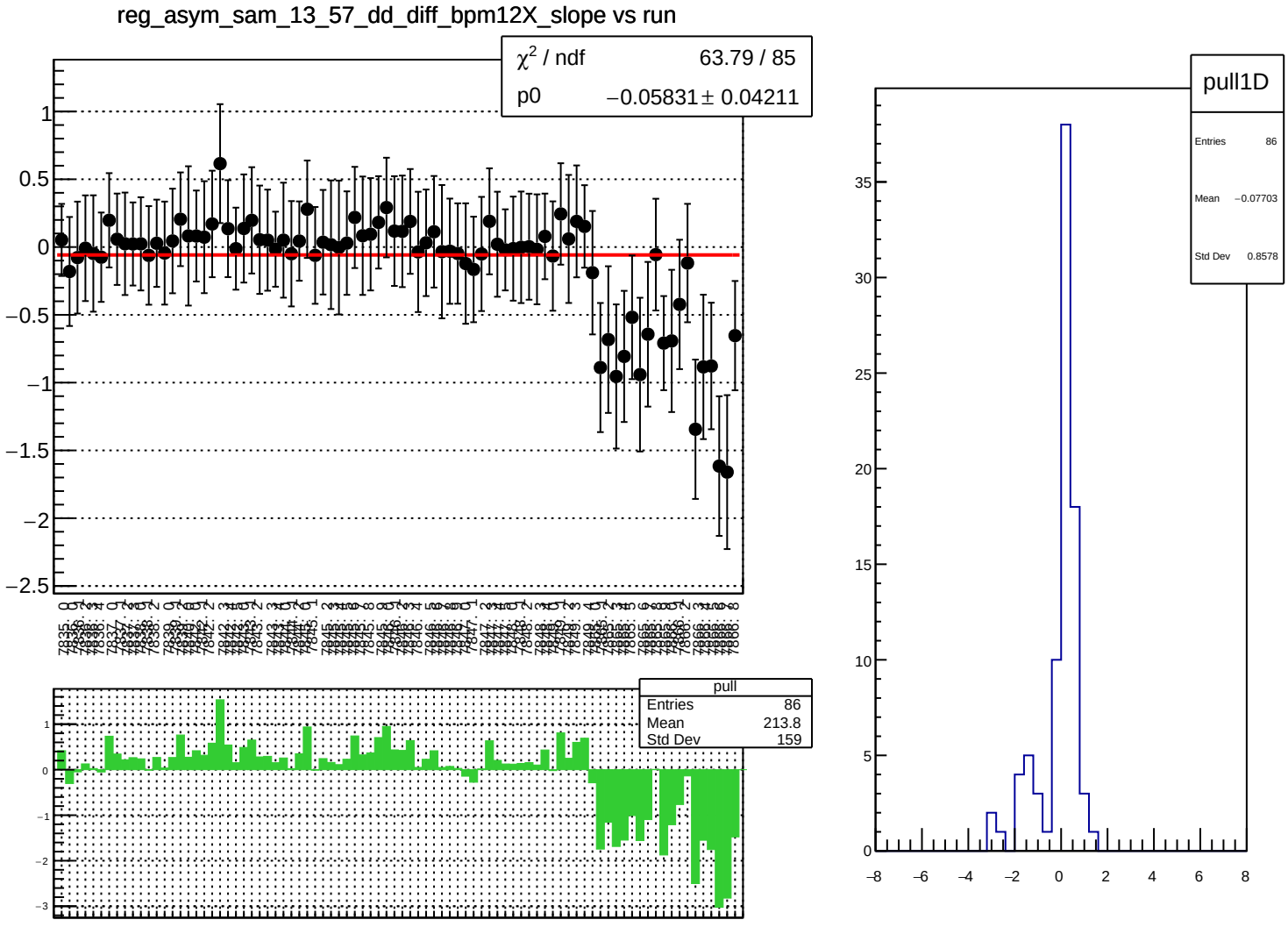

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 50.79 / 85
p0 −41.87 ± 1.208
pull
Entries 86
Mean −87.77
Std Dev 145
pull1D
Entries 86
Mean −0.04155
Std Dev 0.7674

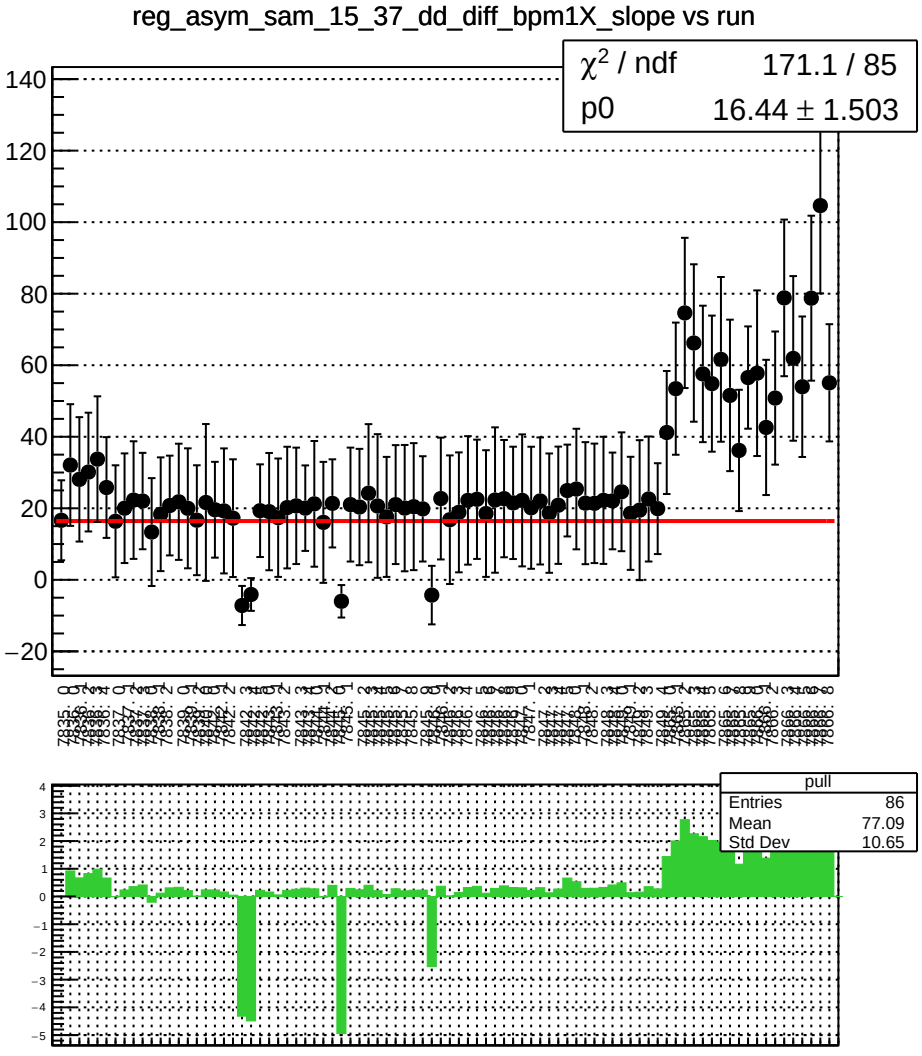

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 115.2 / 85
p0 −4.644 ± 0.8757
pull
Entries 86
Mean 73.24
Std Dev 14.6

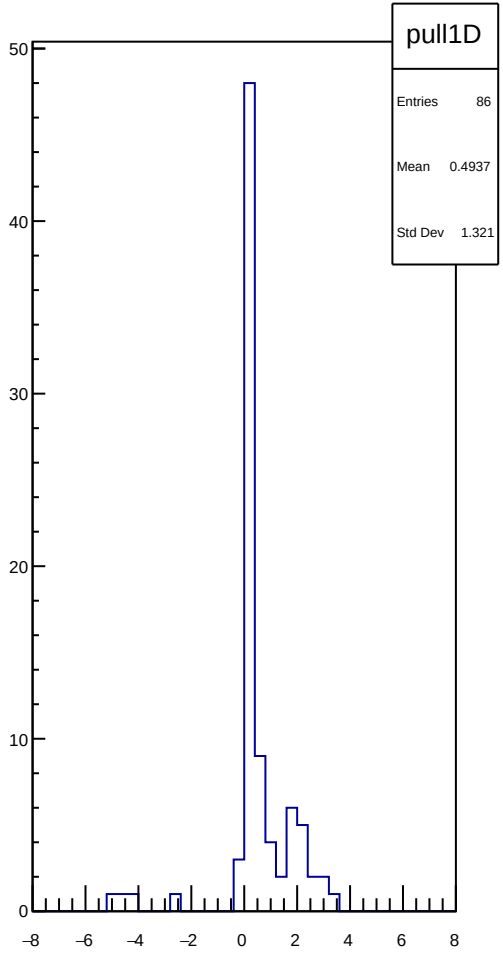

pull1D
Entries 86
Mean 0.4556
Std Dev 1.064

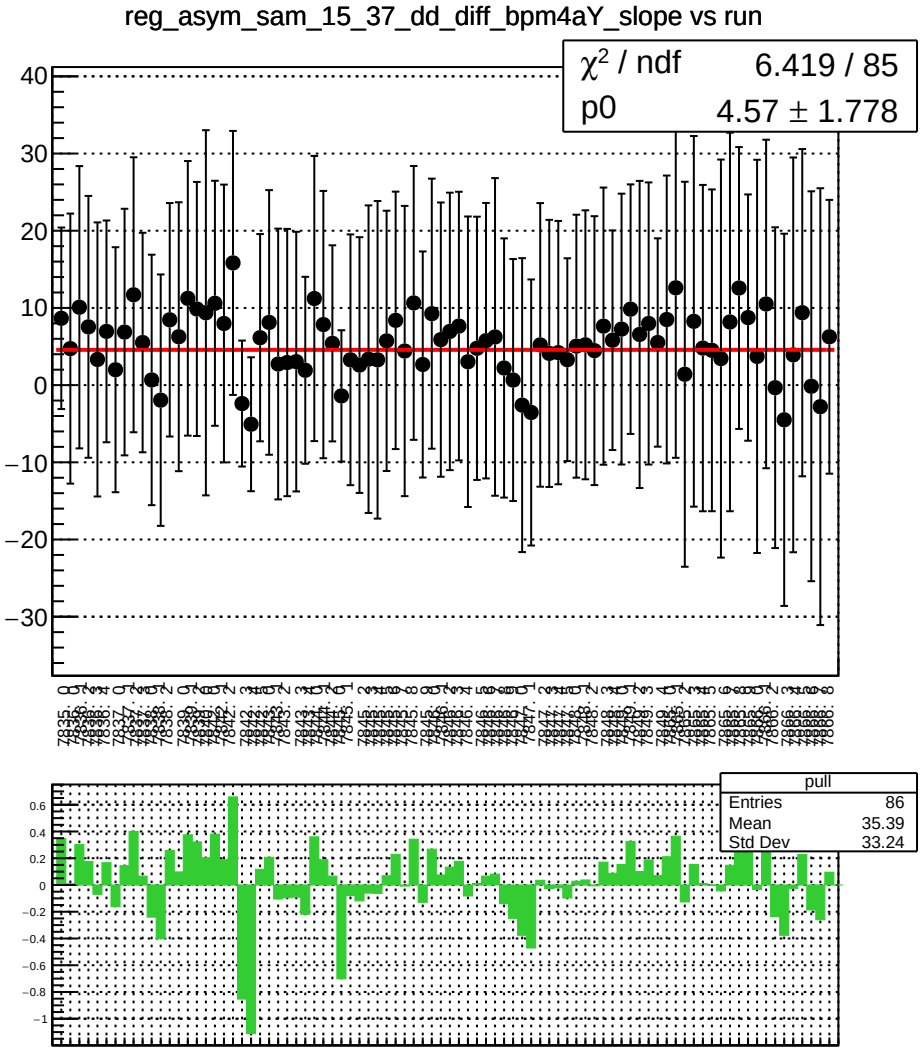

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 41.92 / 85
p0 0.6134 ± 1.399
pull
Entries 86
Mean 488.7
Std Dev 429.4

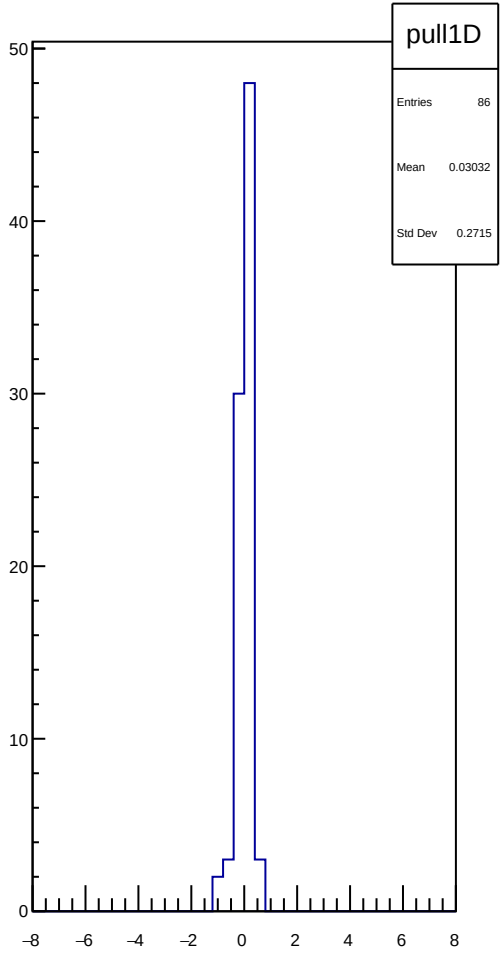

pull1D
Entries 86
Mean −0.014
Std Dev 0.6981

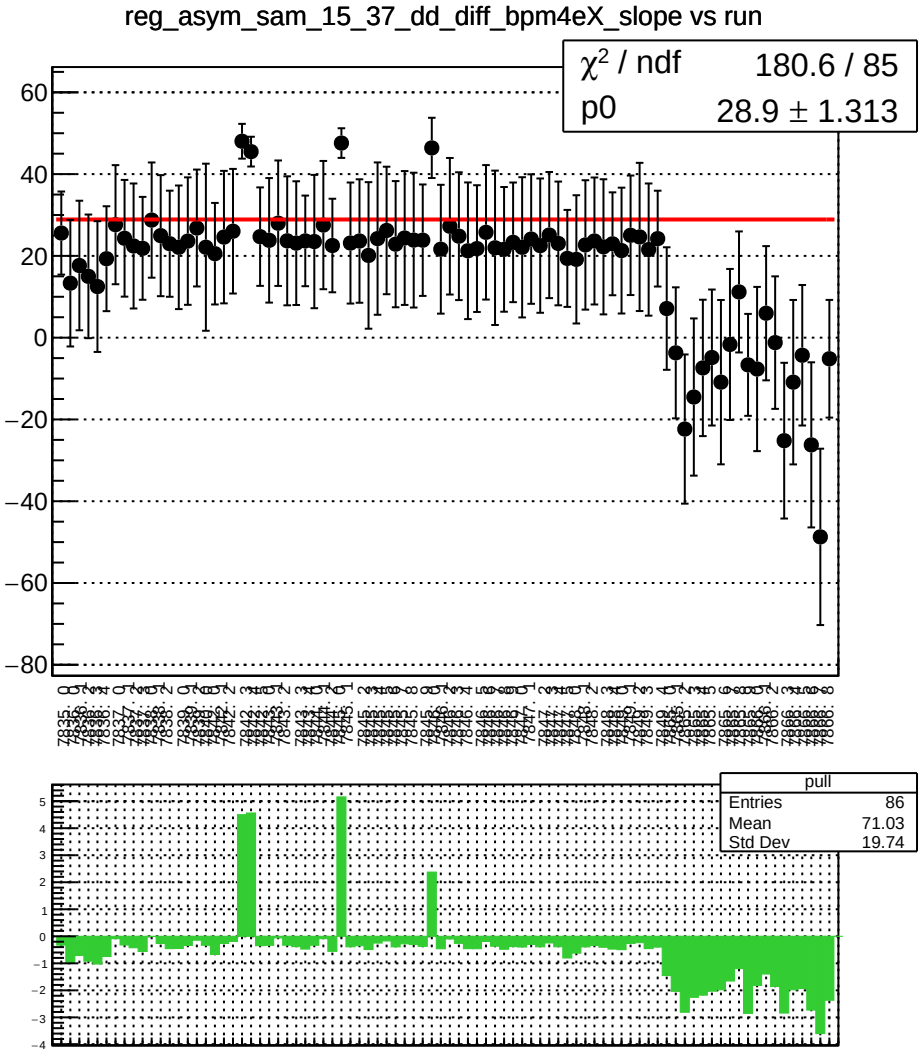

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 63.79 / 85
p0 −0.05831 ± 0.04211
pull
Entries 86
Mean 213.8
Std Dev 159
pull1D
Entries 86
Mean −0.07703
Std Dev 0.8578

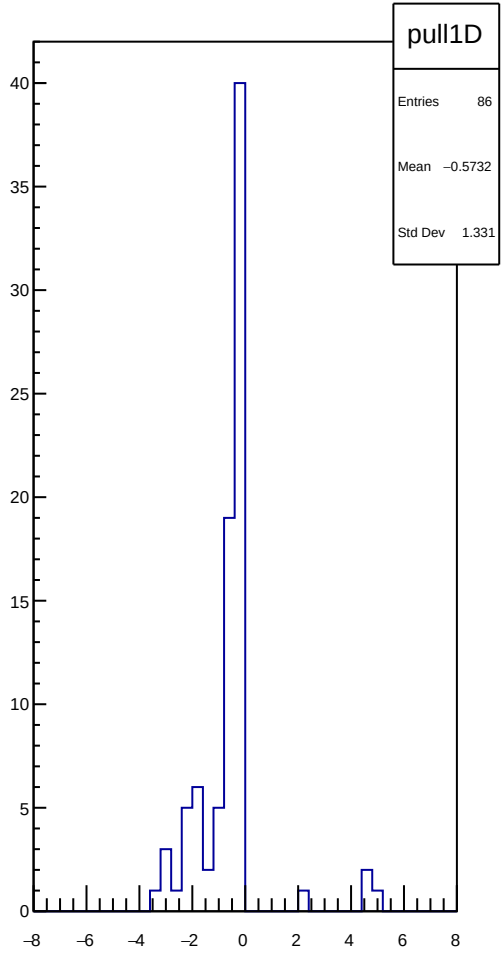

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 171.1 / 85
p0 16.44 ± 1.503
pull
Entries 86
Mean 77.09
Std Dev 10.65

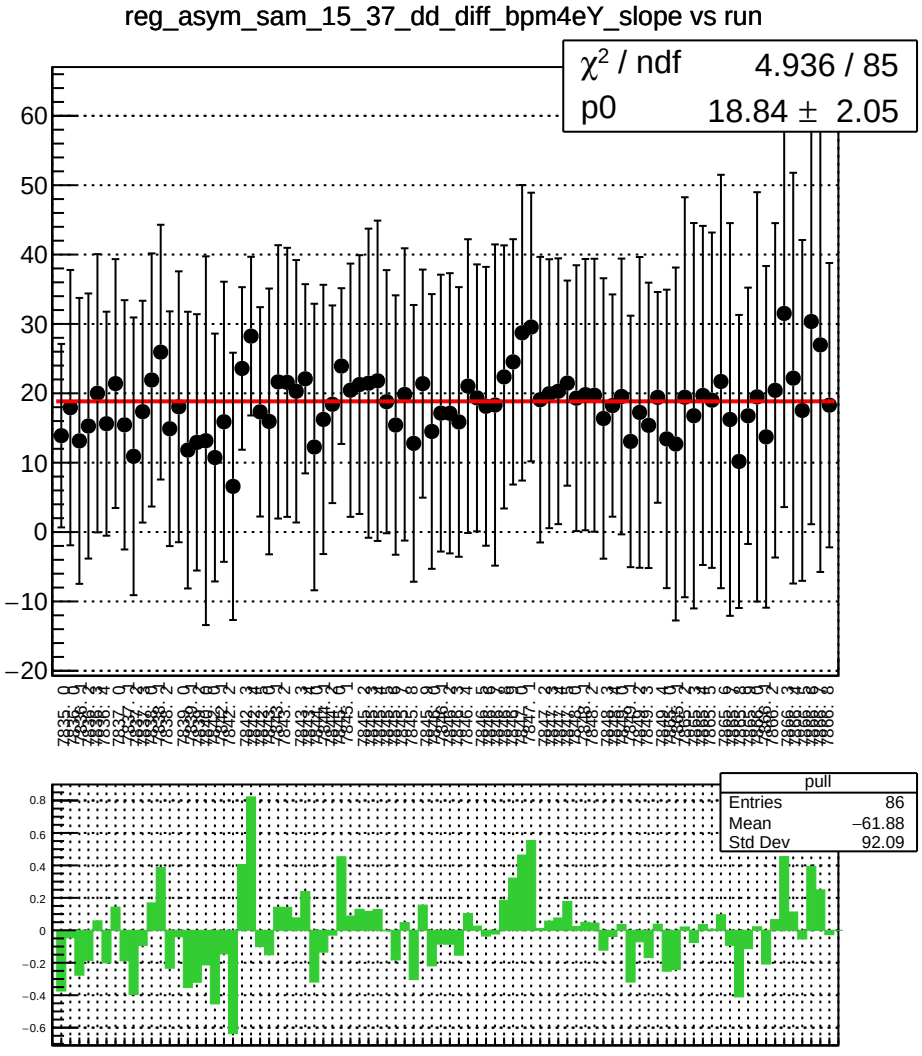

pull1D
Entries 86
Mean 0.4937
Std Dev 1.321

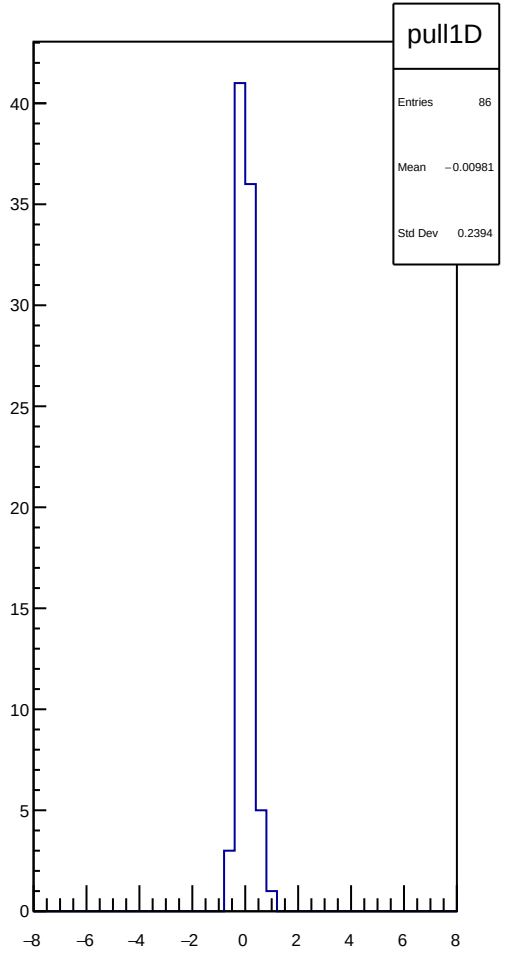

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.419 / 85
p0 4.57 ± 1.778
pull
Entries 86
Mean 35.39
Std Dev 33.24


pull1D
Entries 86
Mean 0.03032
Std Dev 0.2715

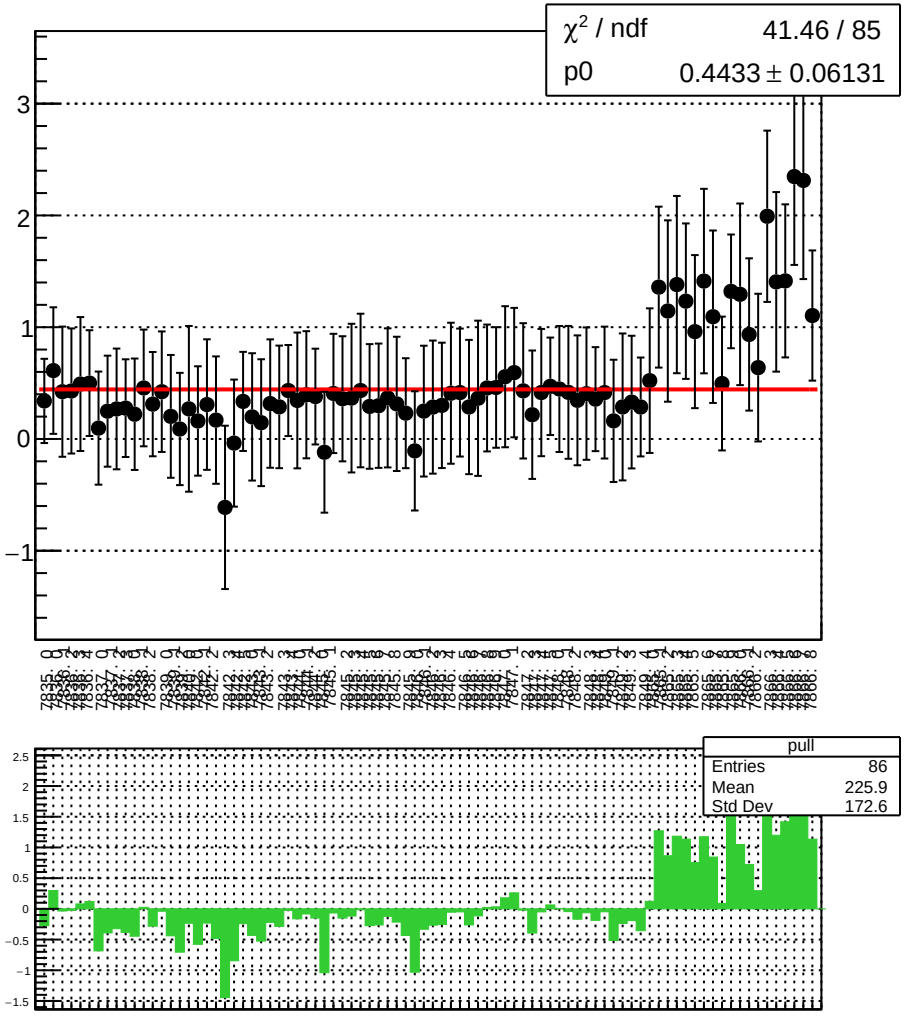

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 180.6 / 85
p0 28.9 ± 1.313
pull
Entries 86
Mean 71.03
Std Dev 19.74

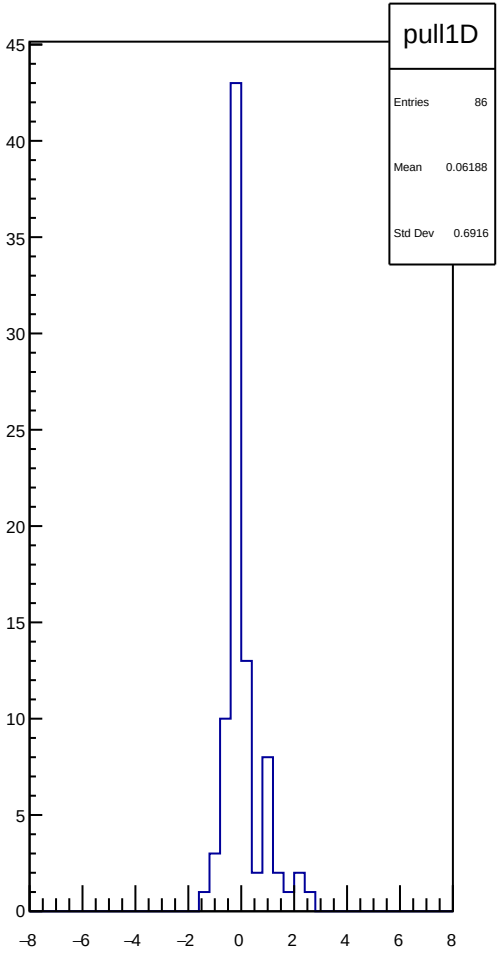

pull1D
Entries 86
Mean −0.5732
Std Dev 1.331

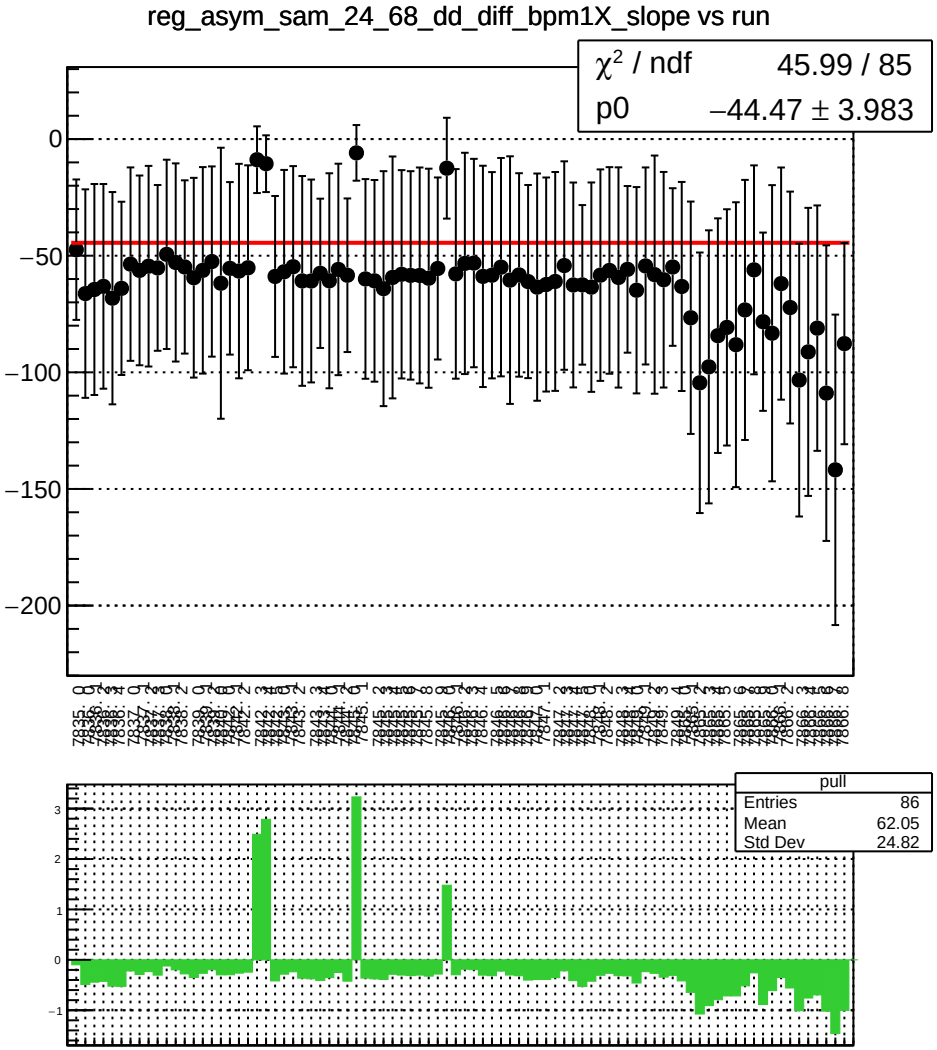

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.936 / 85
p0 18.84 ± 2.05
pull
Entries 86
Mean −61.88
Std Dev 92.09

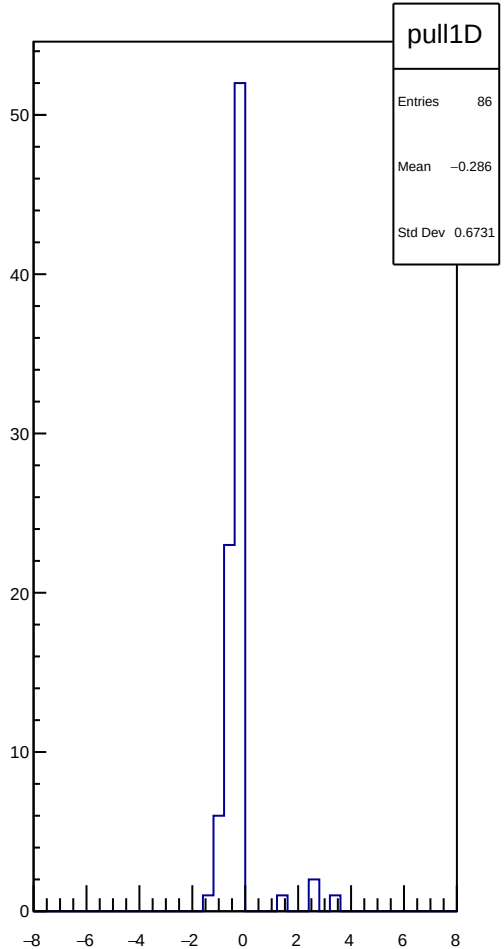

pull1D
Entries 86
Mean −0.00981
Std Dev 0.2394

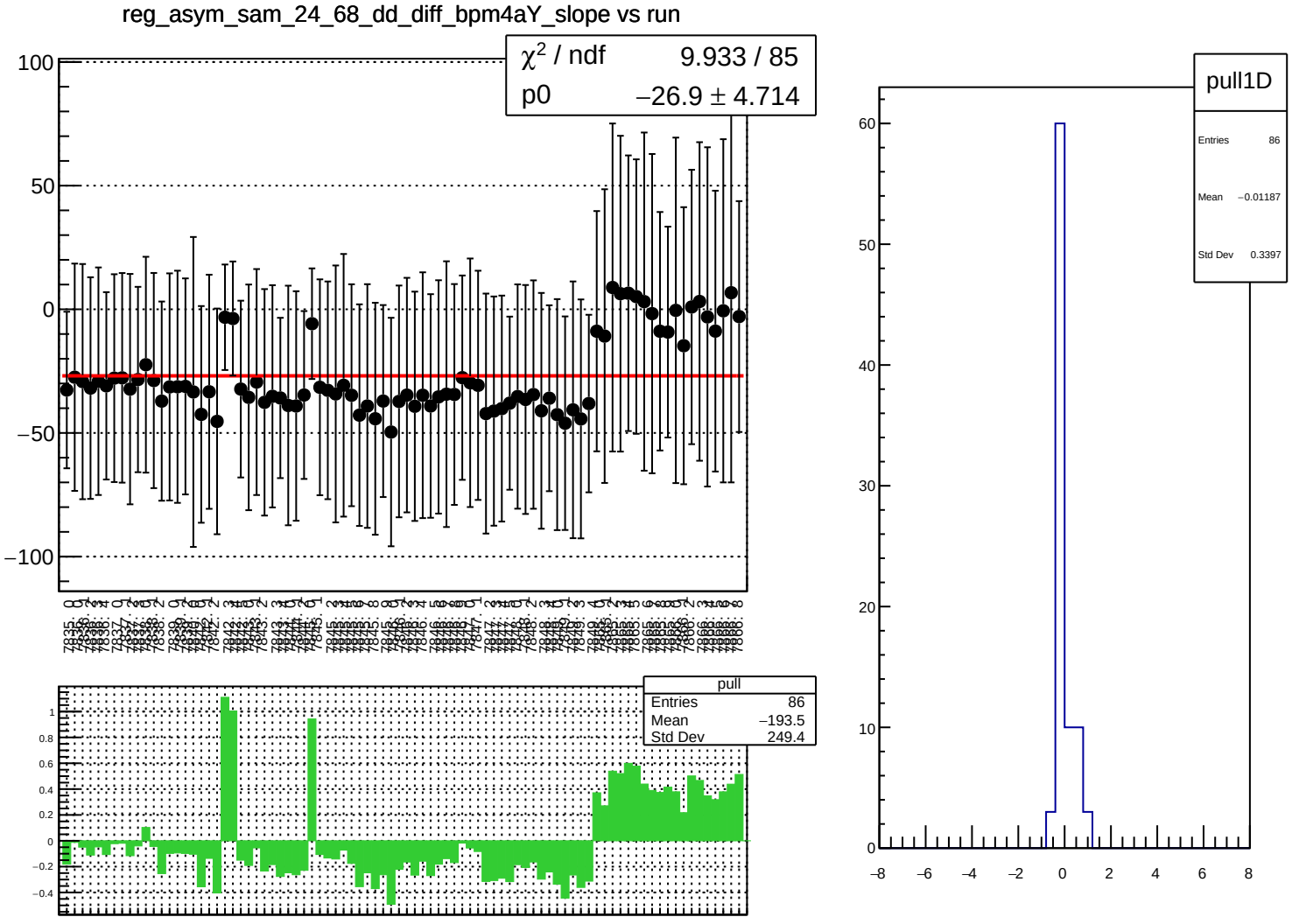
reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run

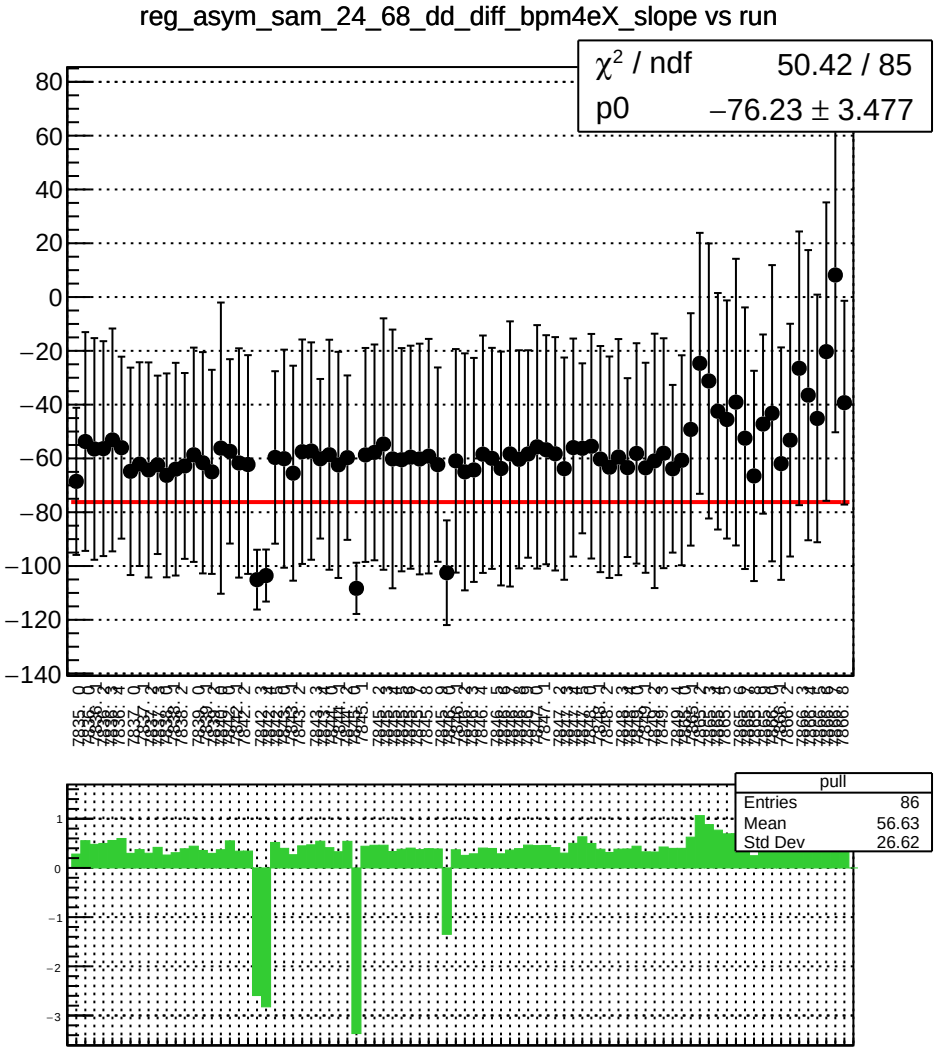


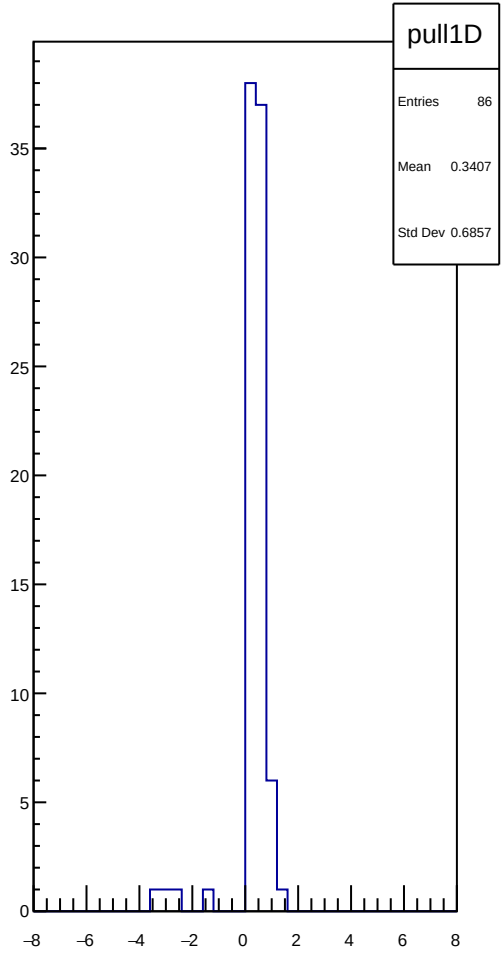


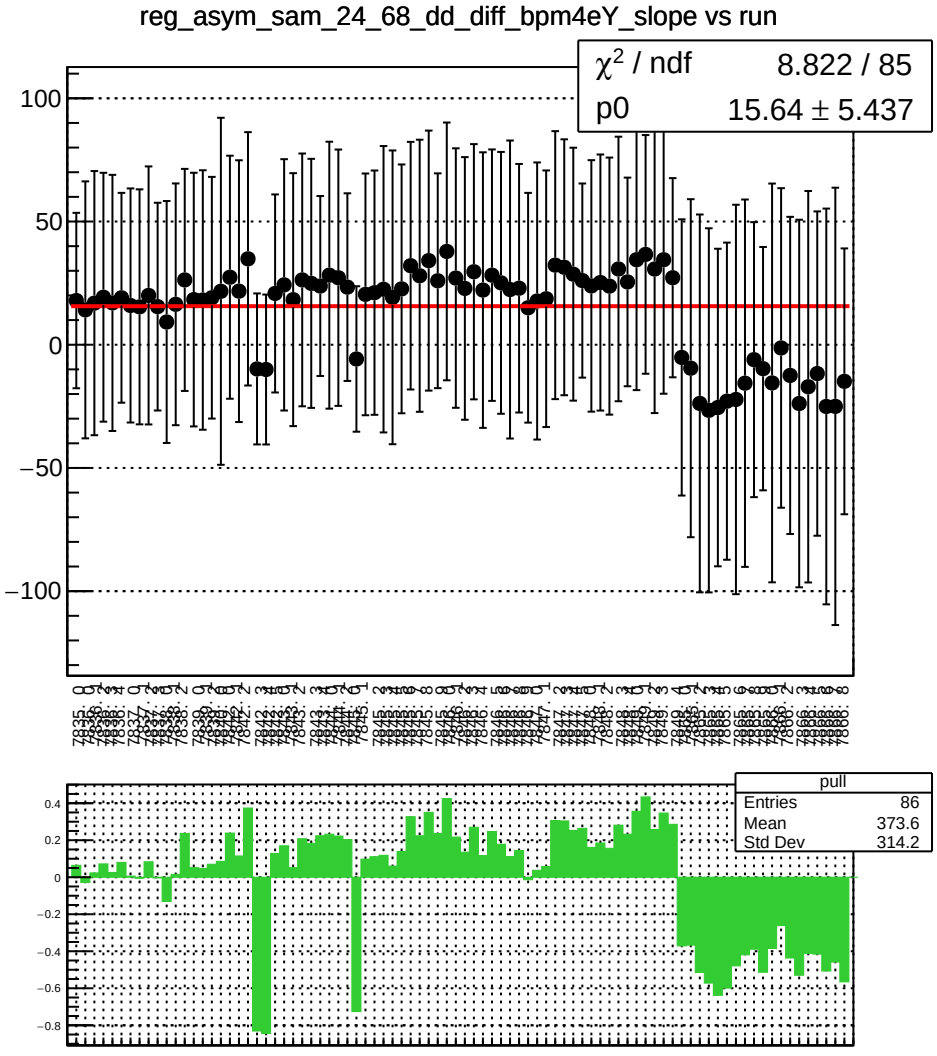

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 45.99 / 85
p0 −44.47 ± 3.983
pull
Entries 86
Mean 62.05
Std Dev 24.82

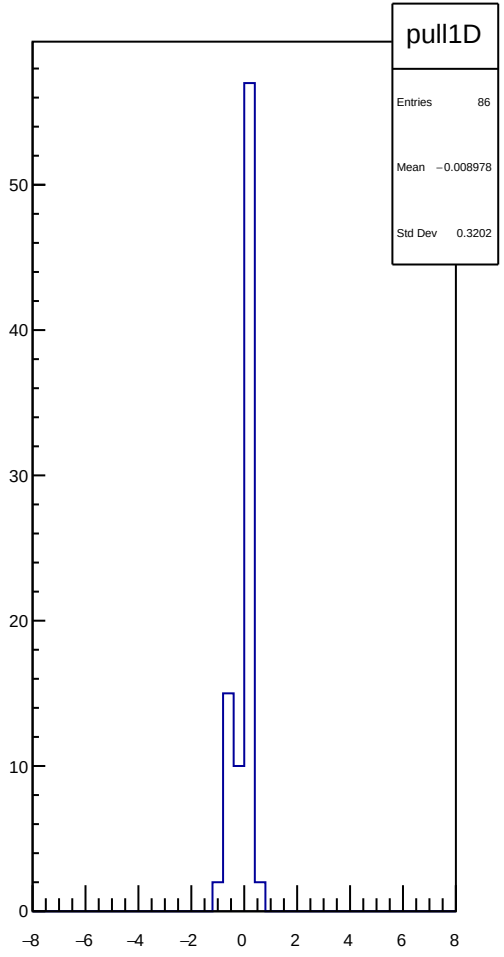

pull1D
Entries 86
Mean −0.286
Std Dev 0.6731

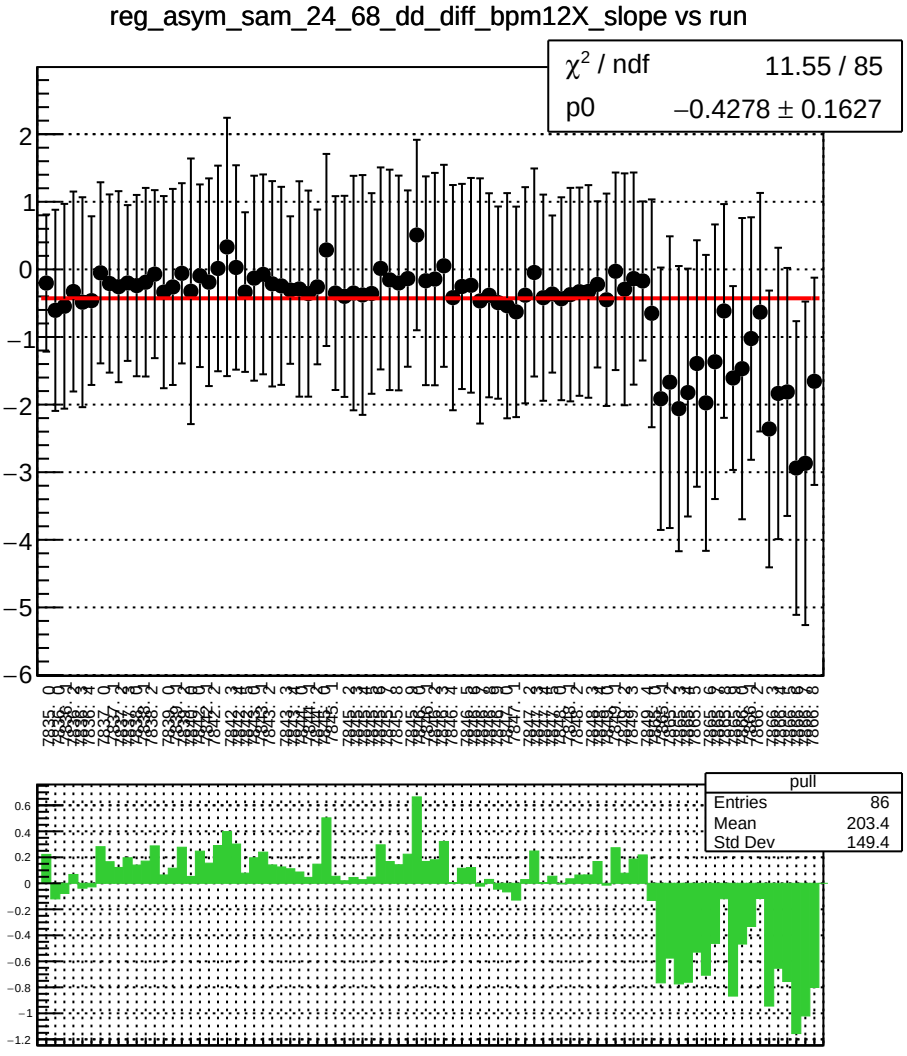

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 9.933 / 85
p0 −26.9 ± 4.714
pull
Entries 86
Mean −193.5
Std Dev 249.4
pull1D
Entries 86
Mean −0.01187
Std Dev 0.3397

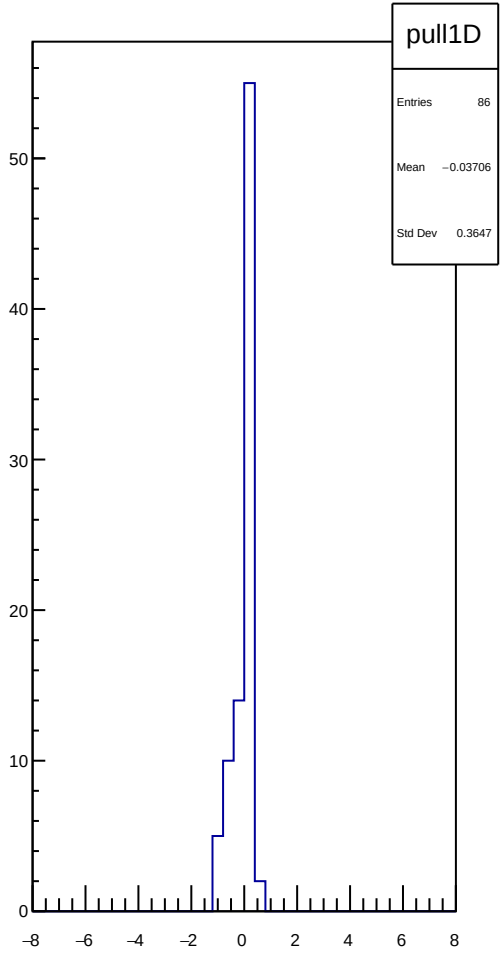

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 50.42 / 85
p0 −76.23 ± 3.477
pull
Entries 86
Mean 56.63
Std Dev 26.62

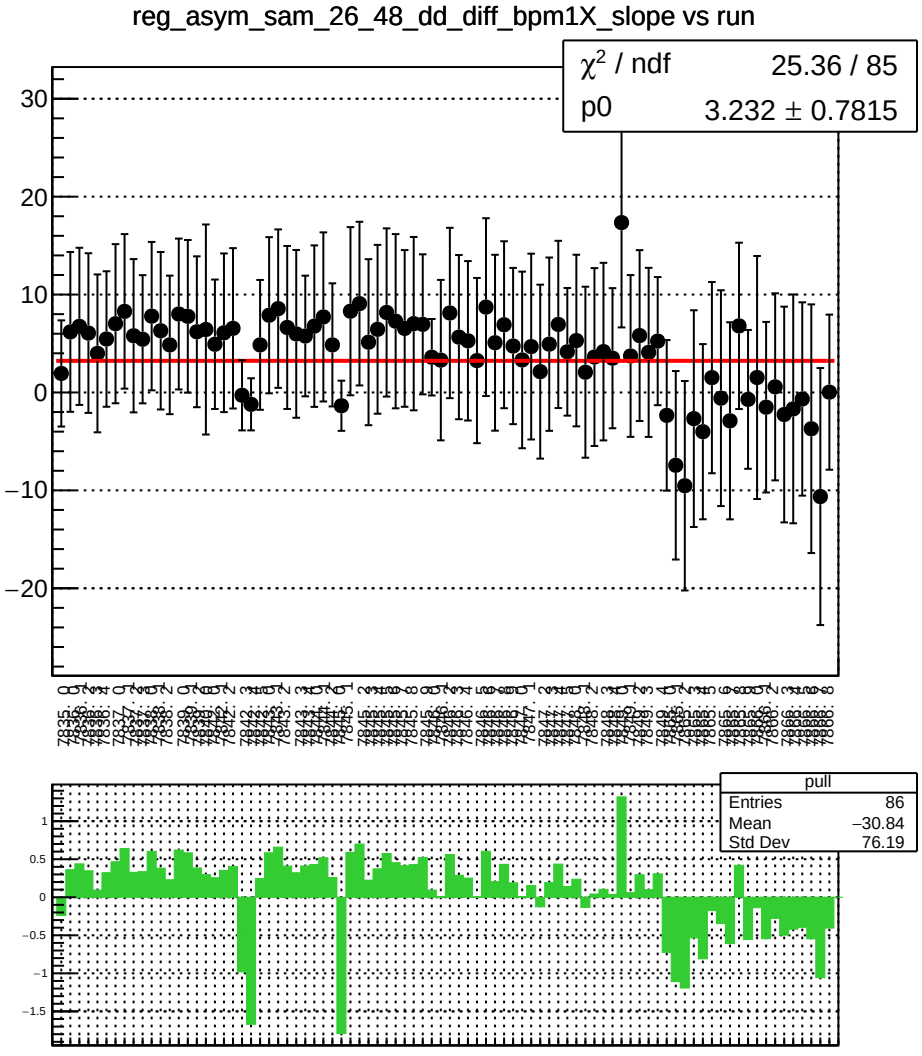

pull1D
Entries 86
Mean 0.3407
Std Dev 0.6857

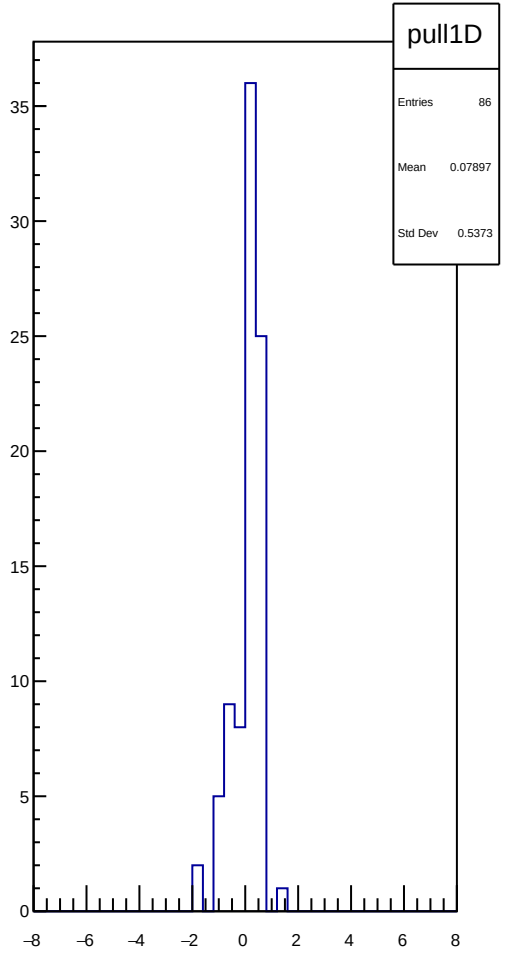

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 8.822 / 85
p0 15.64 ± 5.437
pull
Entries 86
Mean 373.6
Std Dev 314.2

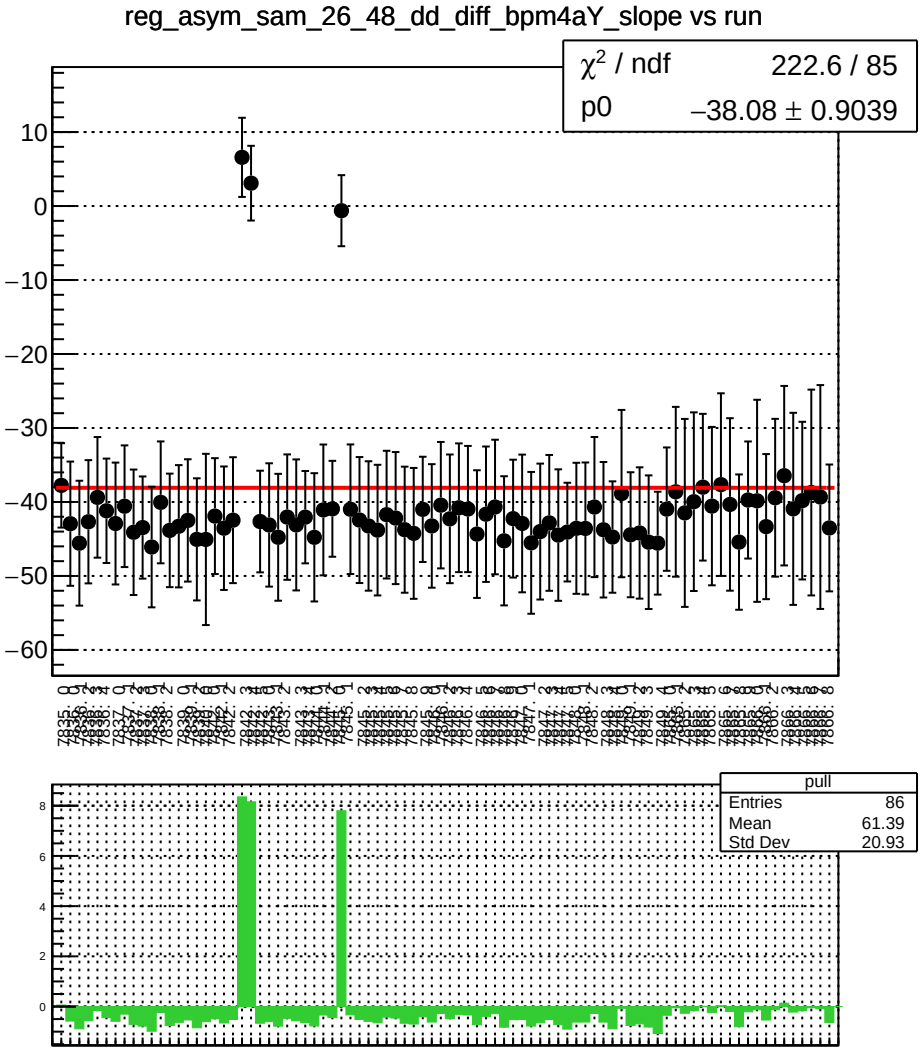

pull1D
Entries 86
Mean −0.008978
Std Dev 0.3202

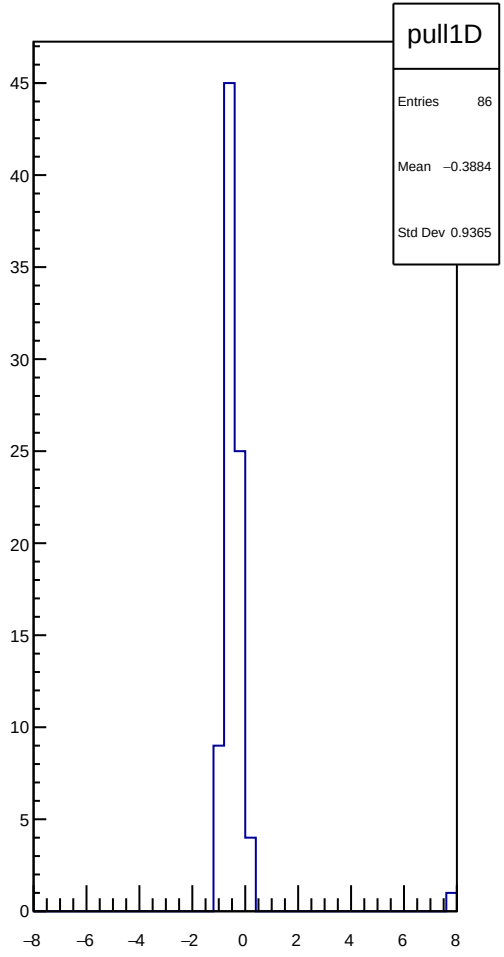

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 11.55 / 85
p0 −0.4278 ± 0.1627
pull
Entries 86
Mean 203.4
Std Dev 149.4

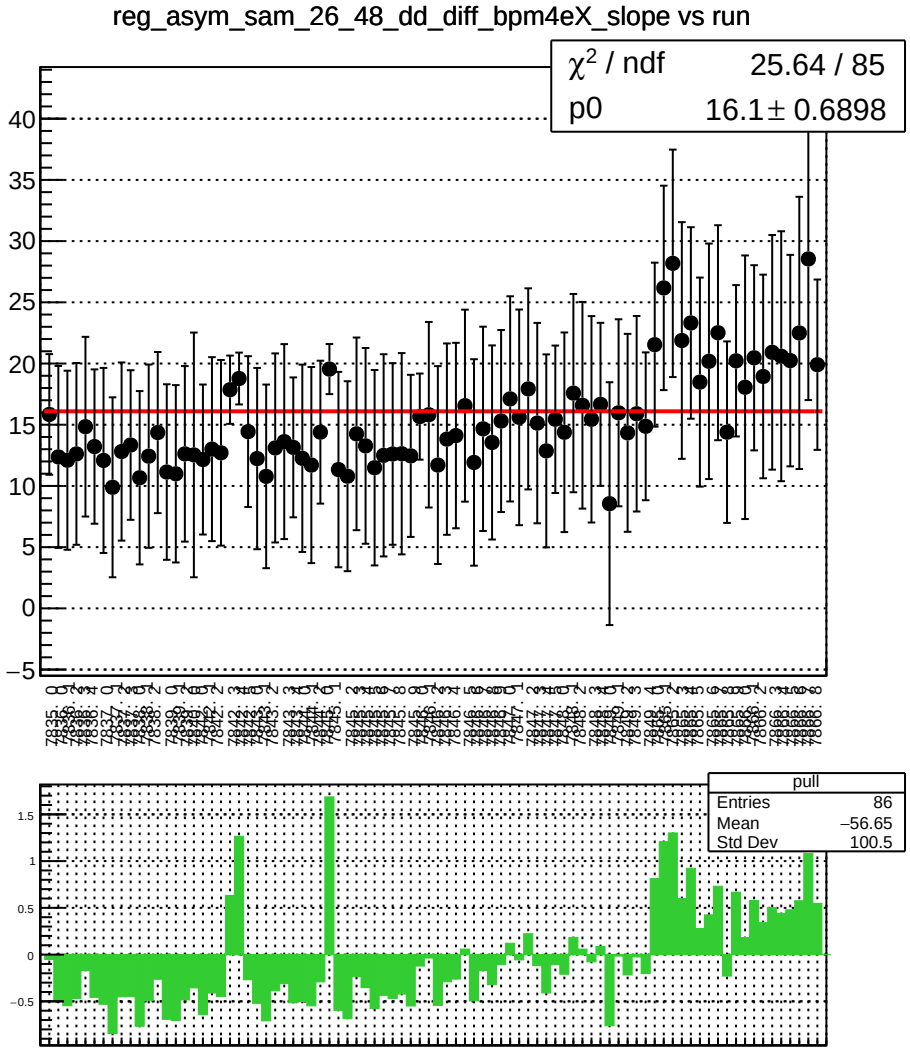

pull1D
Entries 86
Mean −0.03706
Std Dev 0.3647

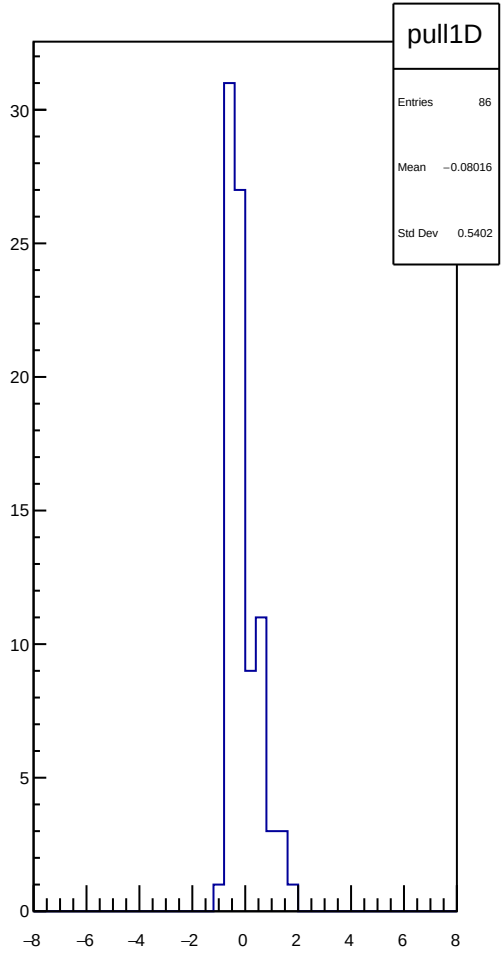

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ^2 / ndf 25.36 / 85
p0 3.232 ± 0.7815
pull
Entries 86
Mean −30.84
Std Dev 76.19

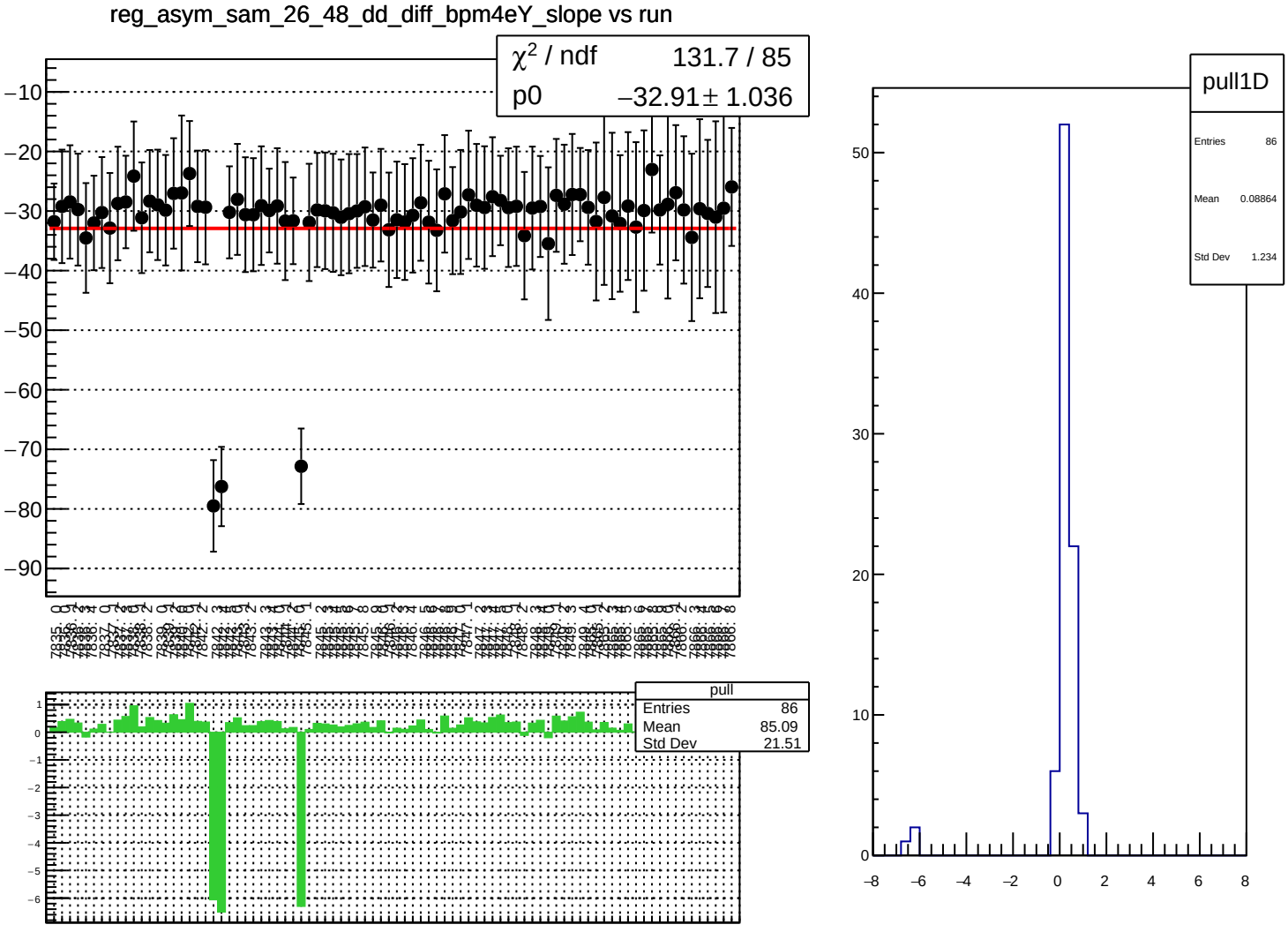

pull1D
Entries 86
Mean 0.07897
Std Dev 0.5373

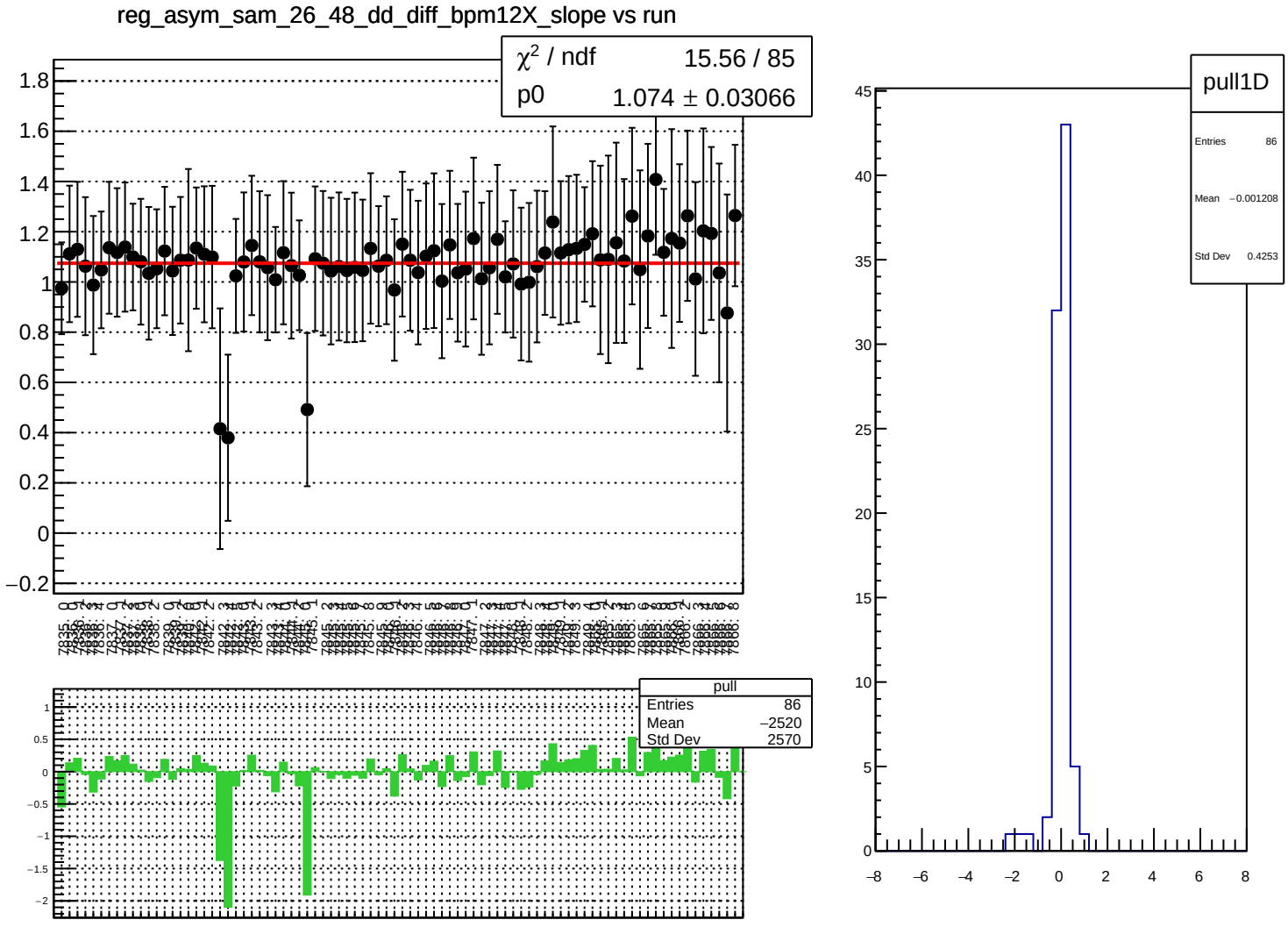

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 222.6 / 85
p0 −38.08 ± 0.9039
pull
Entries 86
Mean 61.39
Std Dev 20.93

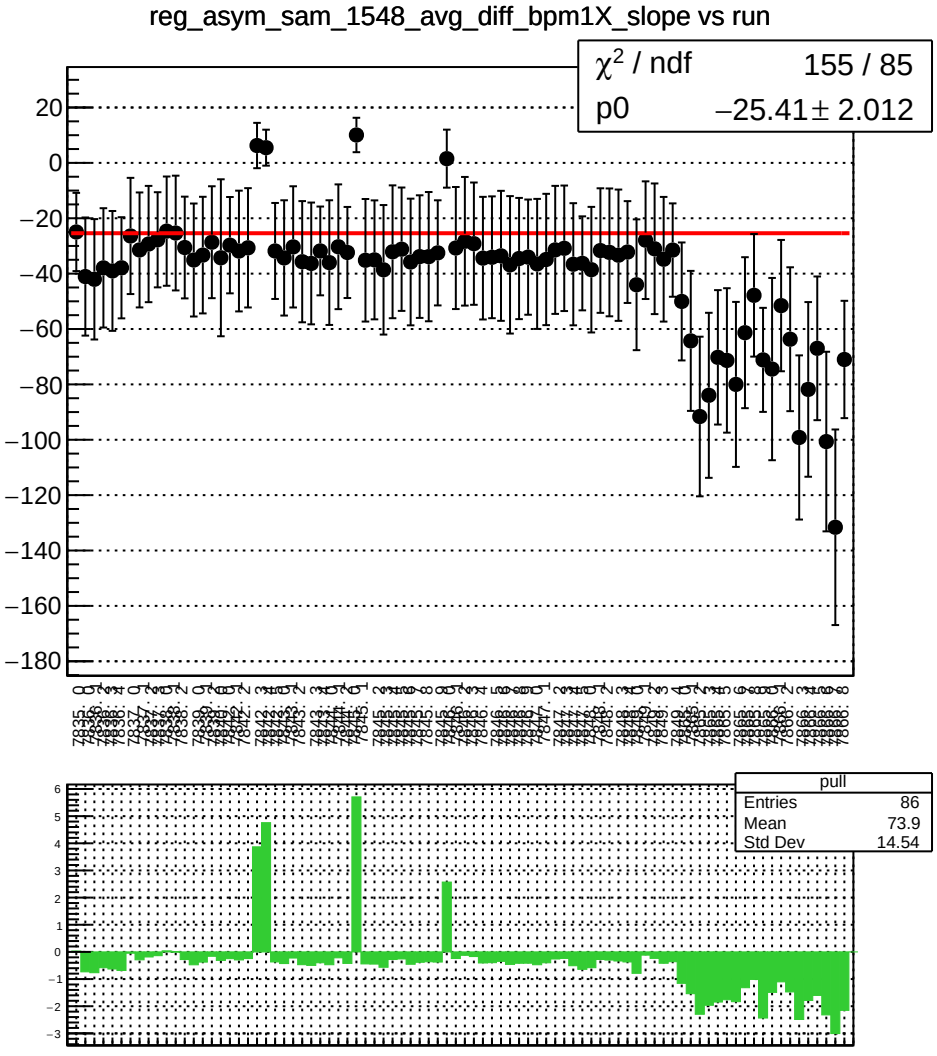

pull1D
Entries 86
Mean −0.3884
Std Dev 0.9365

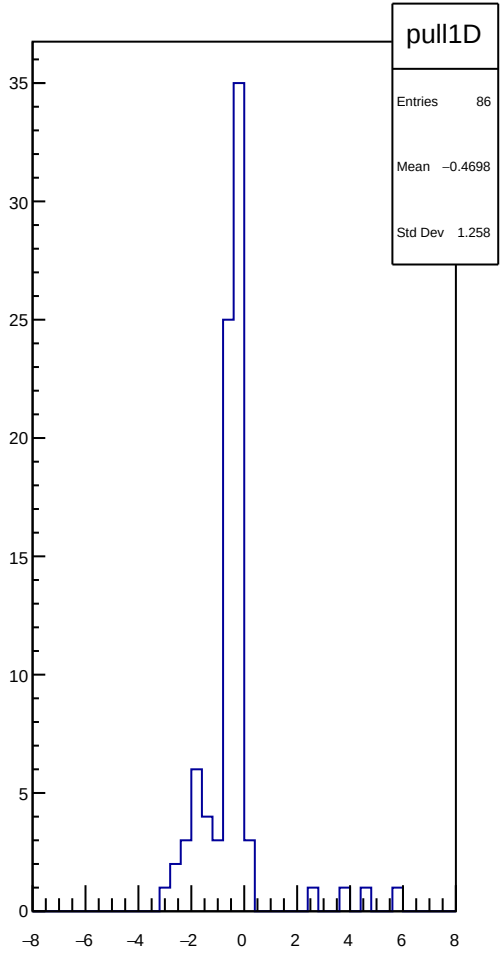

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 25.64 / 85
p0 16.1 ± 0.6898
pull
Entries 86
Mean −56.65
Std Dev 100.5

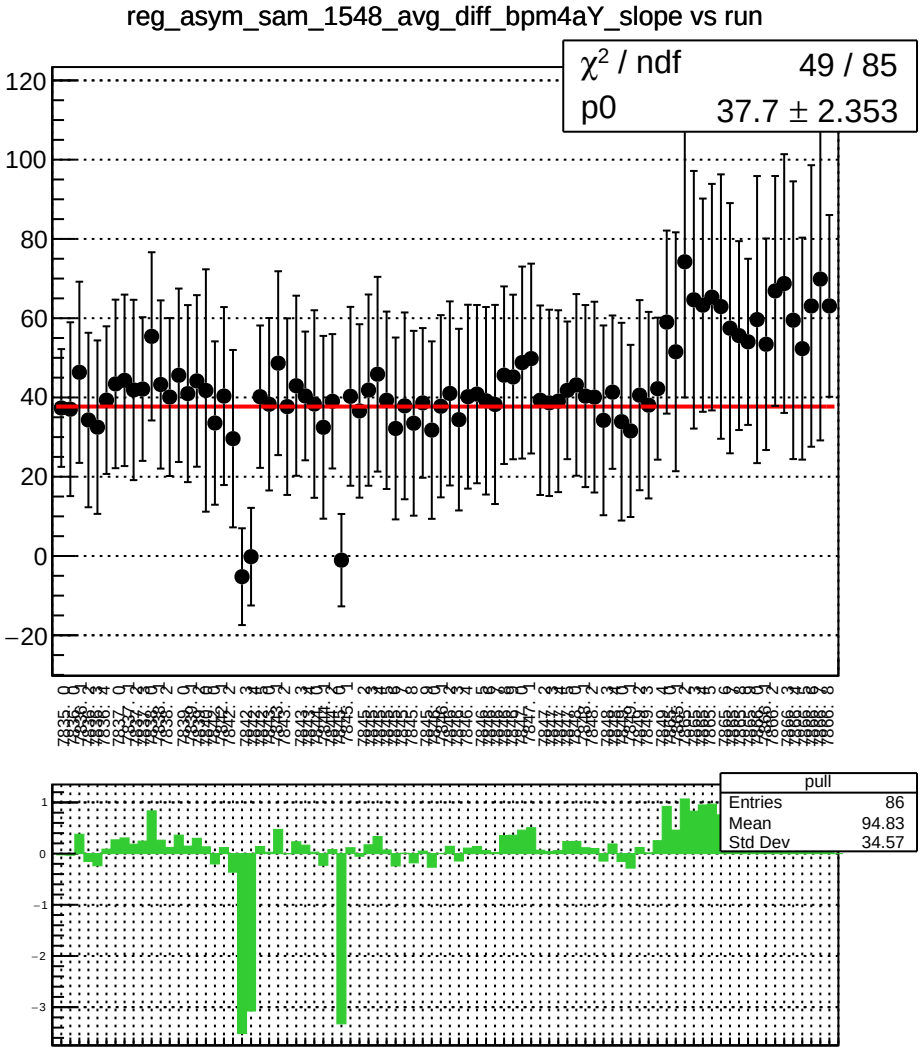

pull1D
Entries 86
Mean −0.08016
Std Dev 0.5402

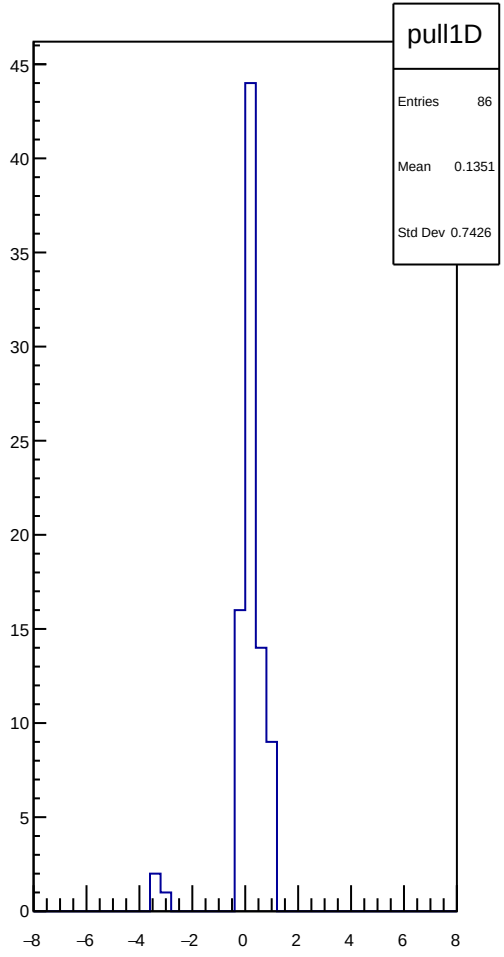

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 131.7 / 85
p0 −32.91 ± 1.036
pull
Entries 86
Mean 85.09
Std Dev 21.51
pull1D
Entries 86
Mean 0.08864
Std Dev 1.234

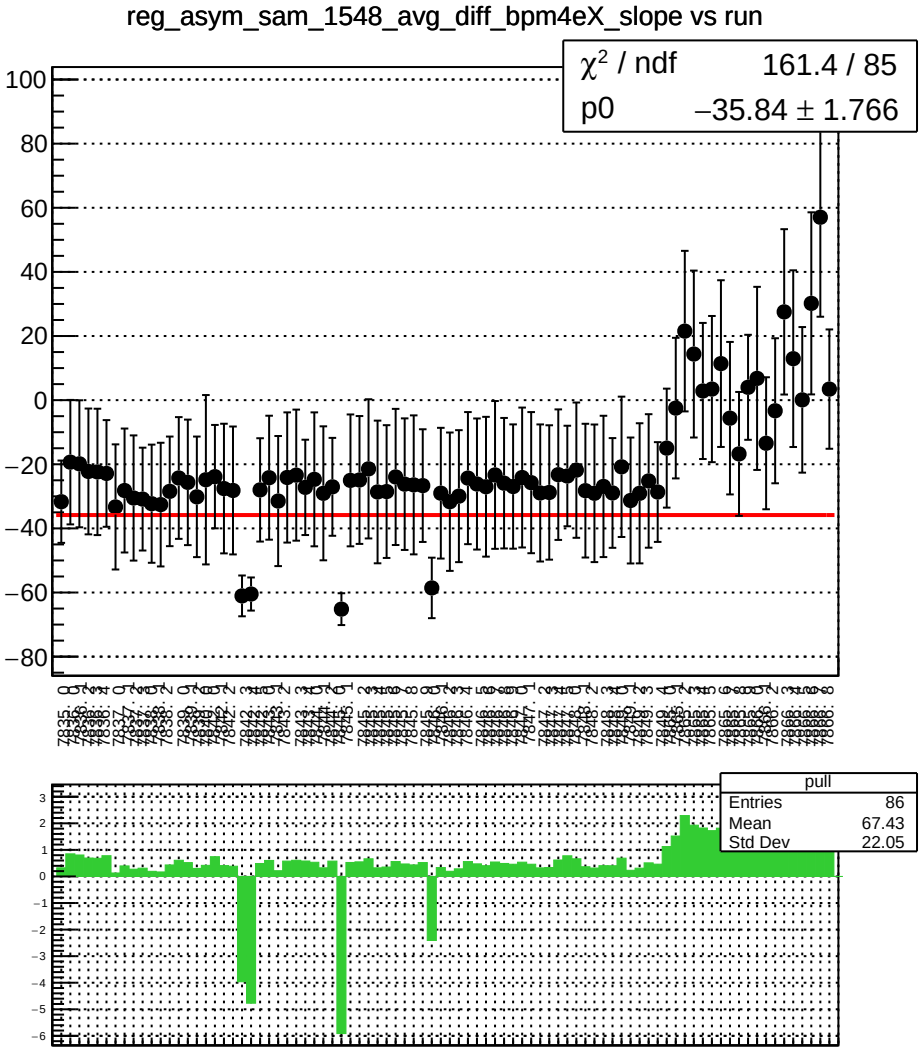

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 15.56 / 85
p0 1.074 ± 0.03066
pull
Entries 86
Mean −2520
Std Dev 2570
pull1D
Entries 86
Mean −0.001208
Std Dev 0.4253

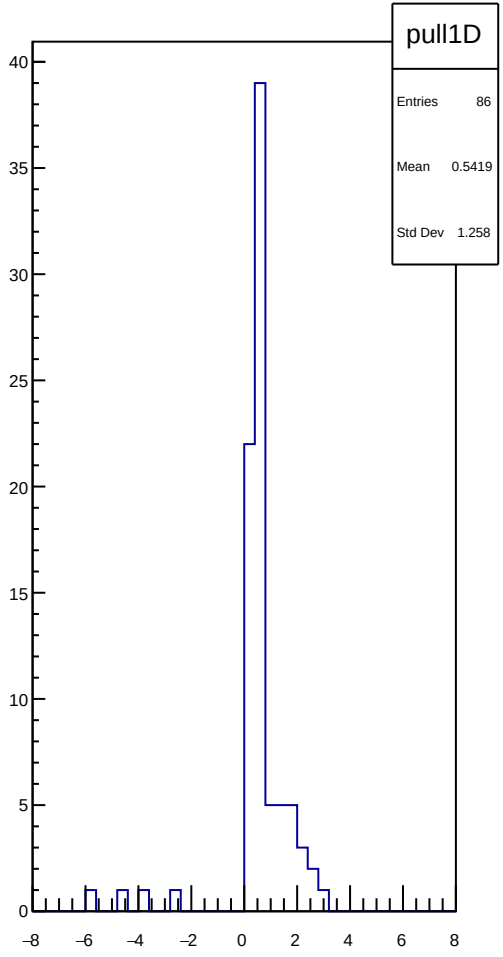

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ^2 / ndf 155 / 85
p0 −25.41 ± 2.012
pull
Entries 86
Mean 73.9
Std Dev 14.54

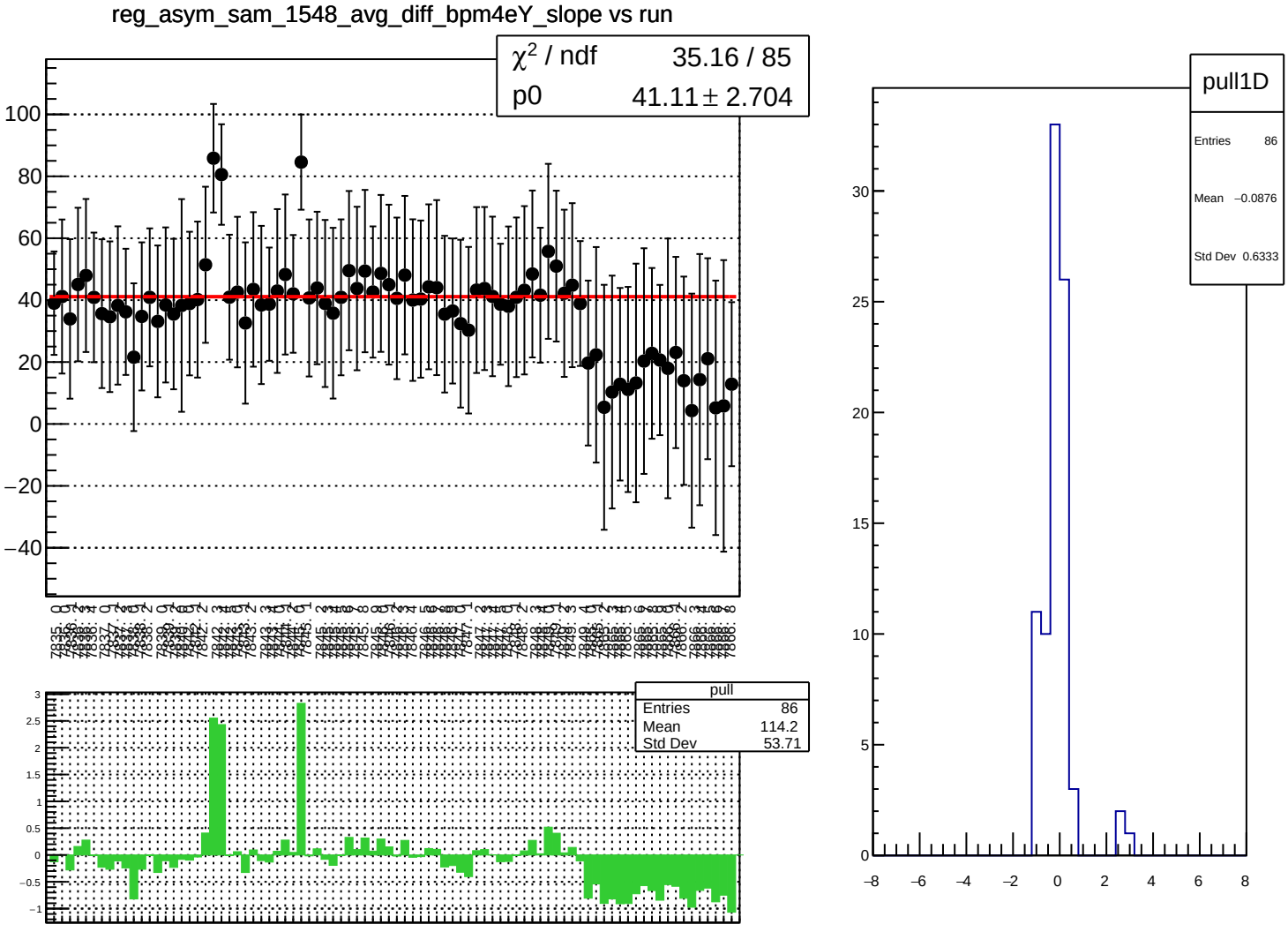

pull1D
Entries 86
Mean −0.4698
Std Dev 1.258

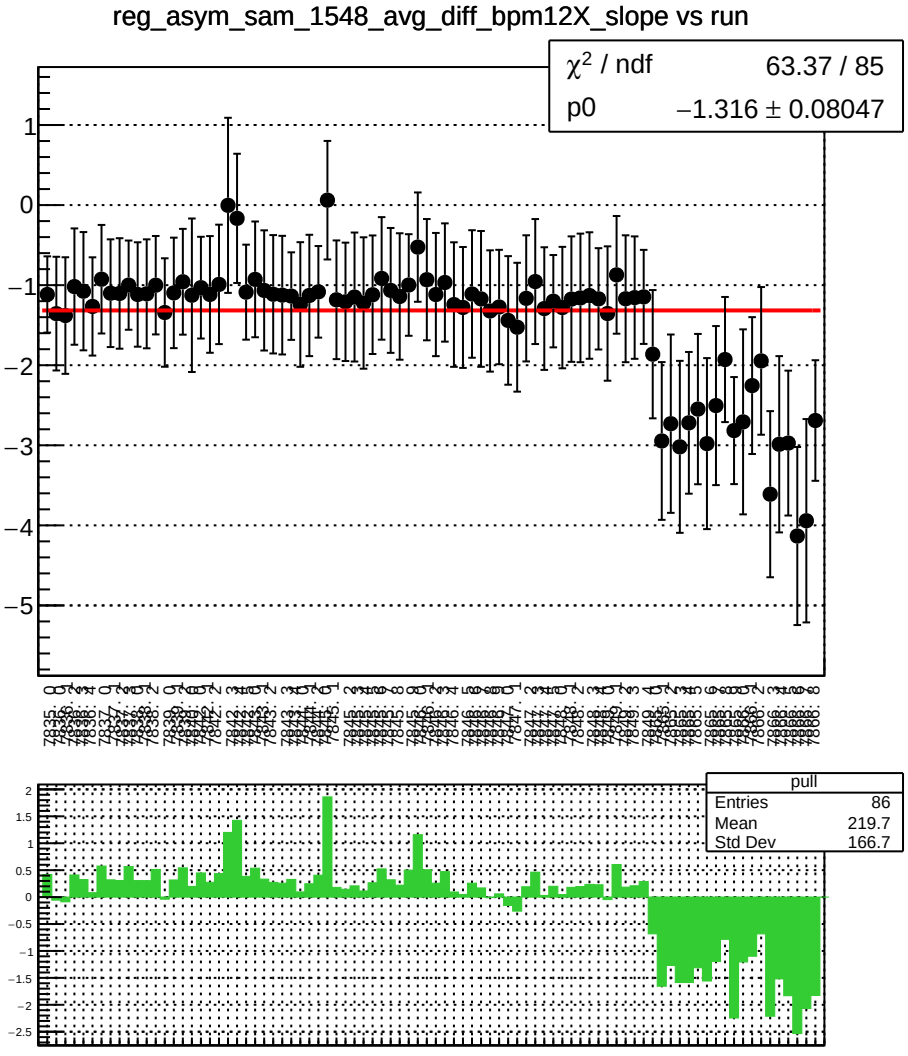

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 49 / 85
p0 37.7 ± 2.353
pull
Entries 86
Mean 94.83
Std Dev 34.57

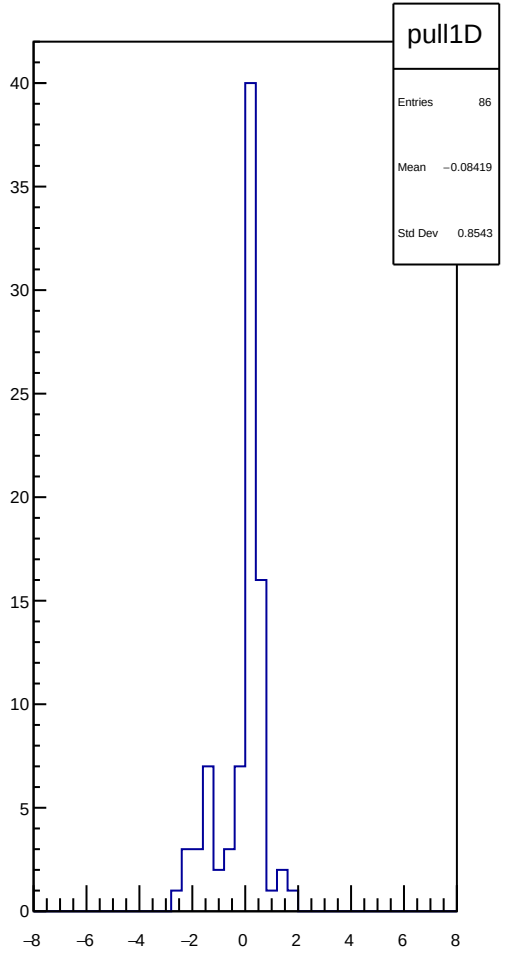

pull1D
Entries 86
Mean 0.1351
Std Dev 0.7426

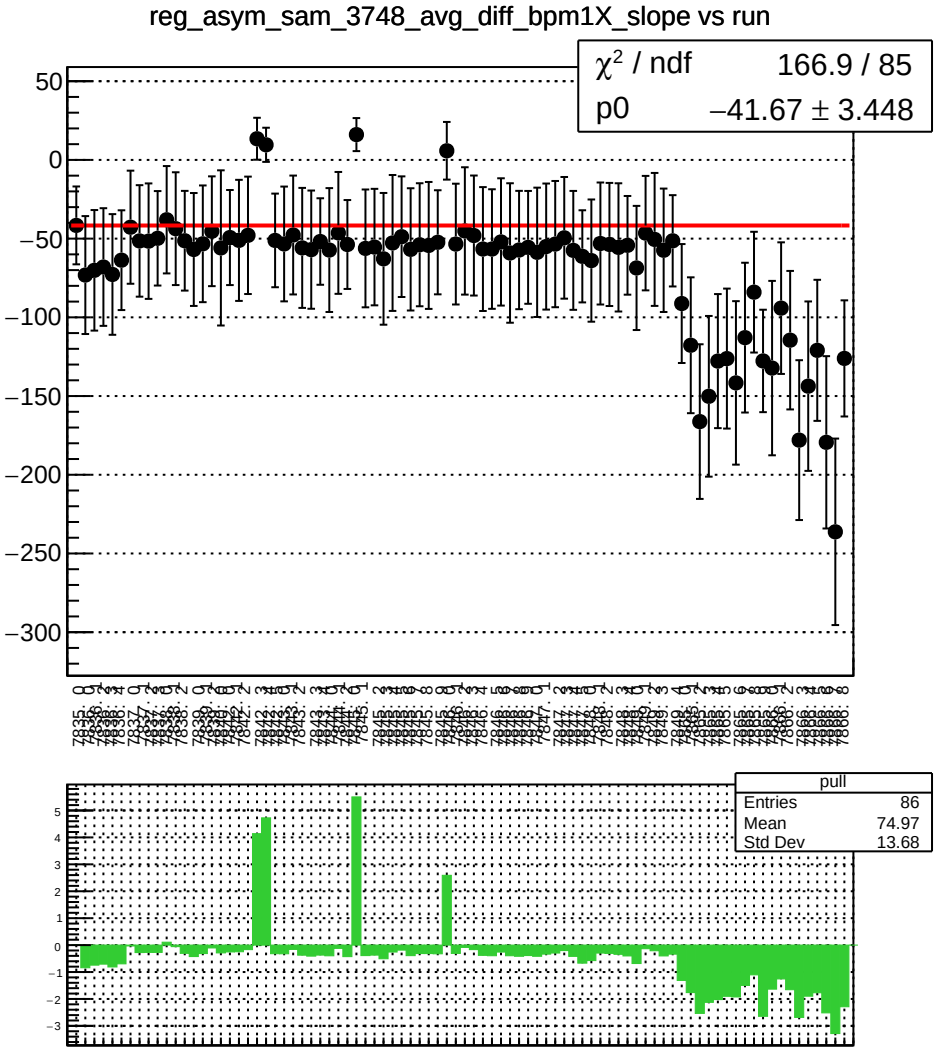

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 161.4 / 85
p0 −35.84 ± 1.766
pull
Entries 86
Mean 67.43
Std Dev 22.05

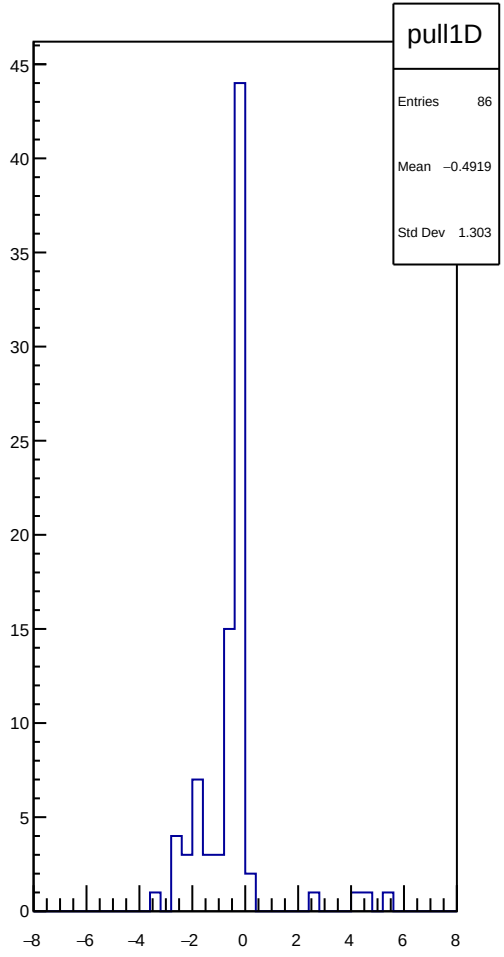

pull1D
Entries 86
Mean 0.5419
Std Dev 1.258

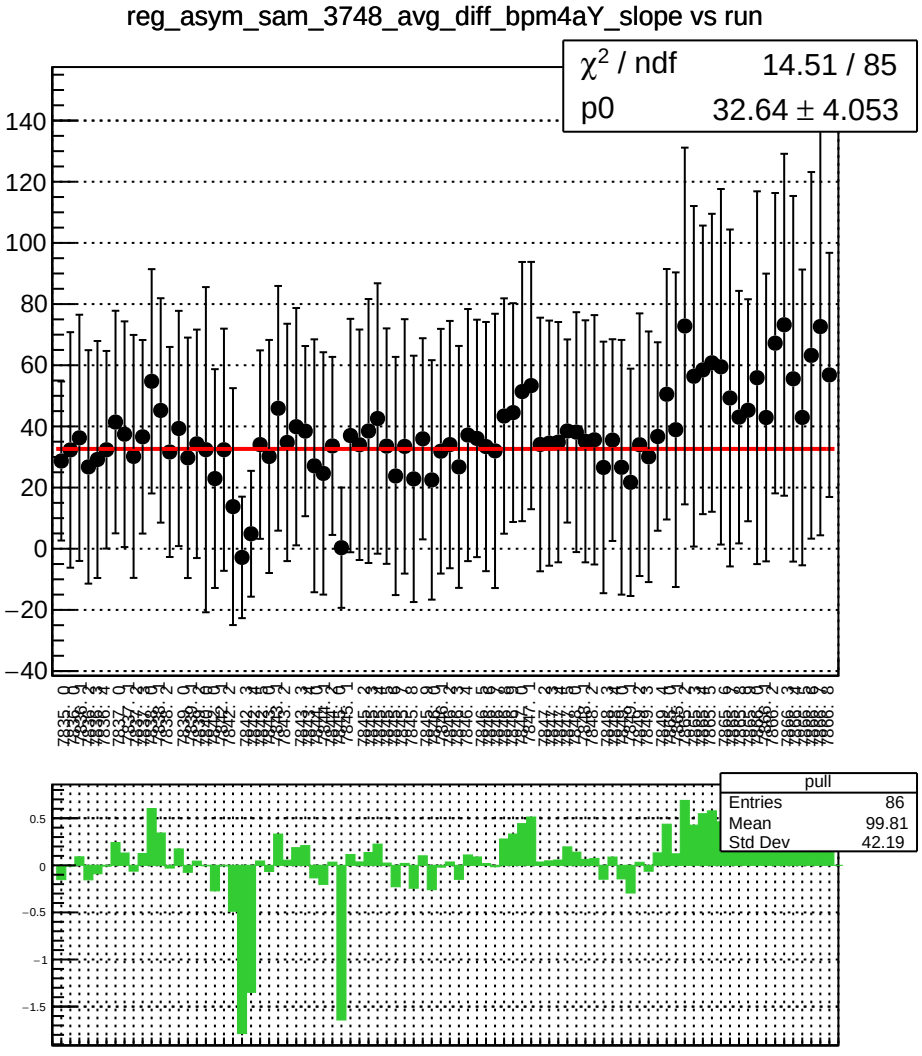

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 35.16 / 85
p0 41.11 ± 2.704
pull
Entries 86
Mean 114.2
Std Dev 53.71
pull1D
Entries 86
Mean −0.0876
Std Dev 0.6333

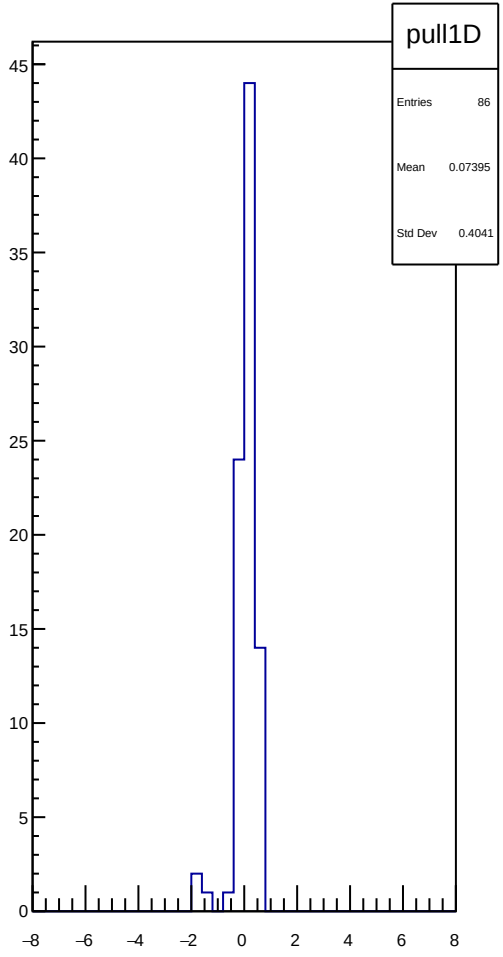

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 63.37 / 85
p0 −1.316 ± 0.08047
pull
Entries 86
Mean 219.7
Std Dev 166.7

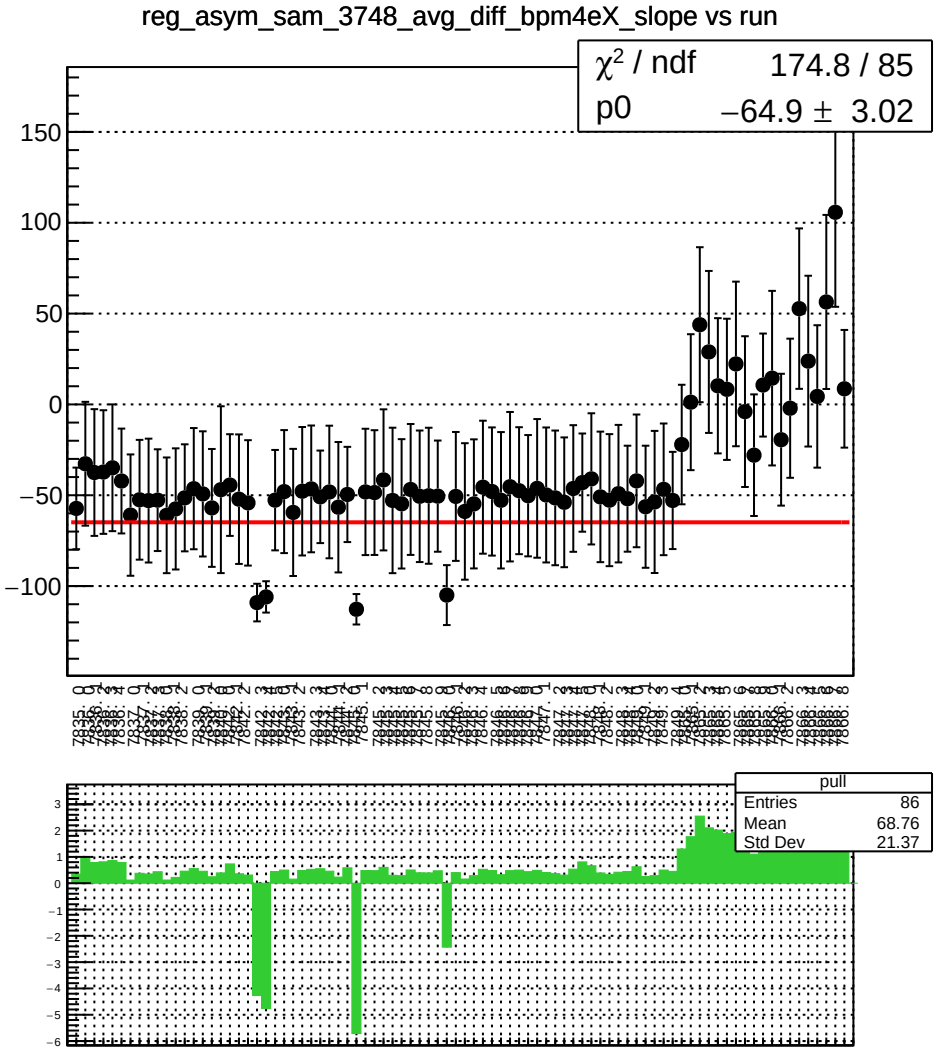

pull1D
Entries 86
Mean −0.08419
Std Dev 0.8543

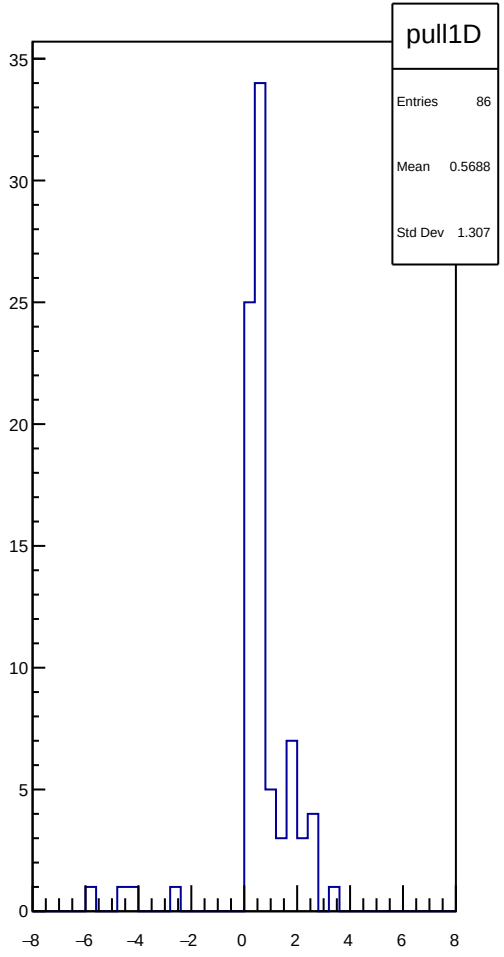

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 166.9 / 85
p0 −41.67 ± 3.448
pull
Entries 86
Mean 74.97
Std Dev 13.68

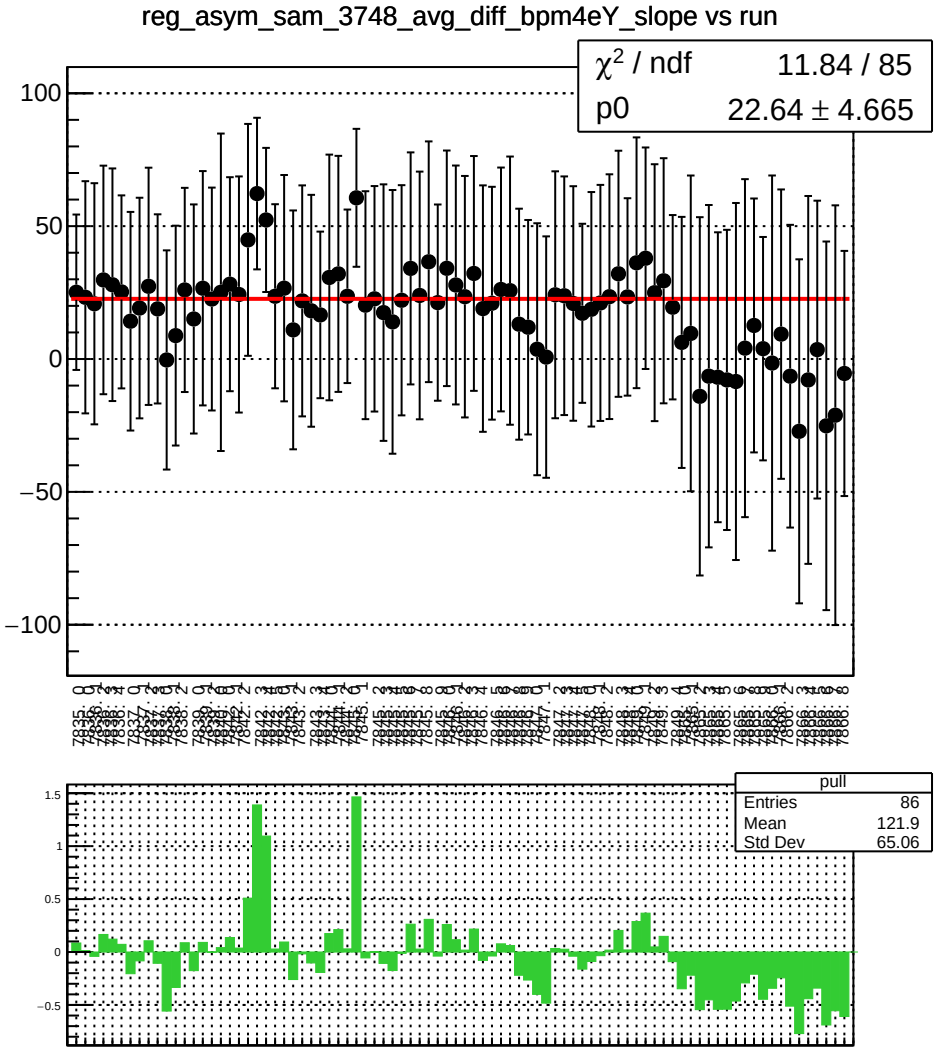

pull1D
Entries 86
Mean −0.4919
Std Dev 1.303

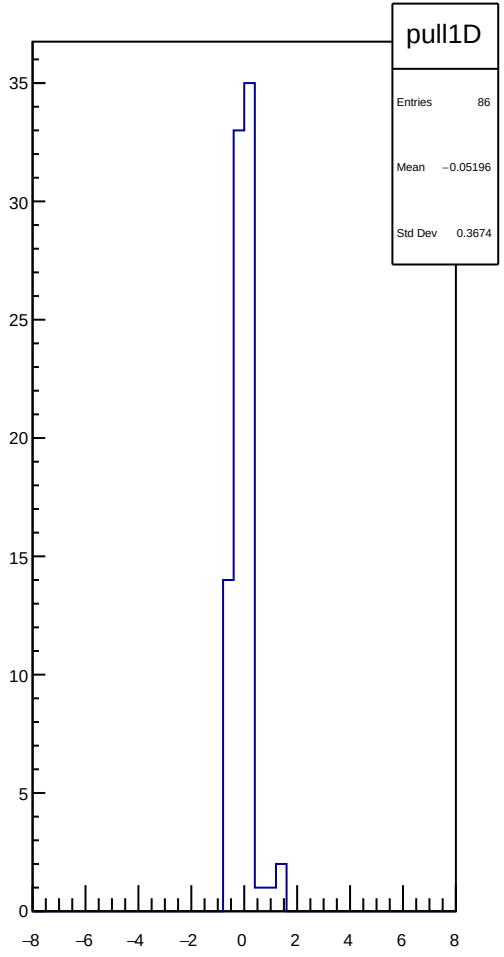

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 14.51 / 85
p0 32.64 ± 4.053
pull
Entries 86
Mean 99.81
Std Dev 42.19


pull1D
Entries 86
Mean 0.07395
Std Dev 0.4041

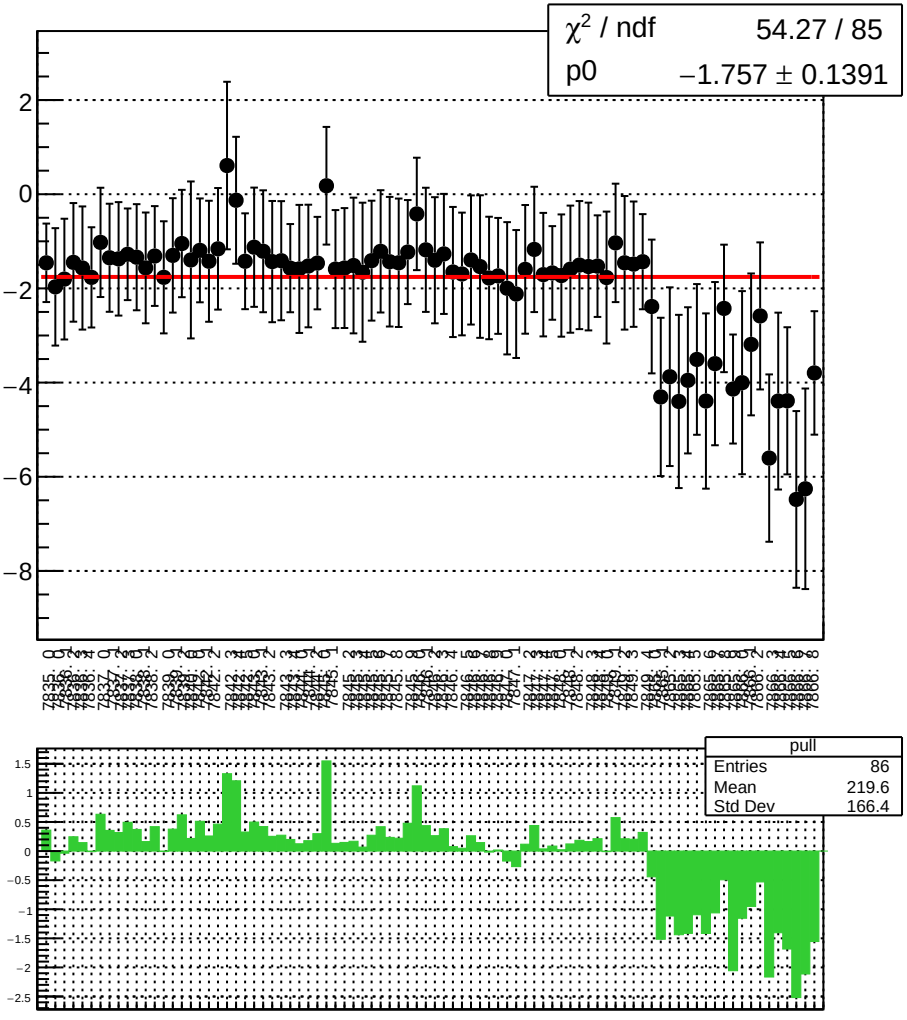

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 174.8 / 85
p0 −64.9 ± 3.02
pull
Entries 86
Mean 68.76
Std Dev 21.37

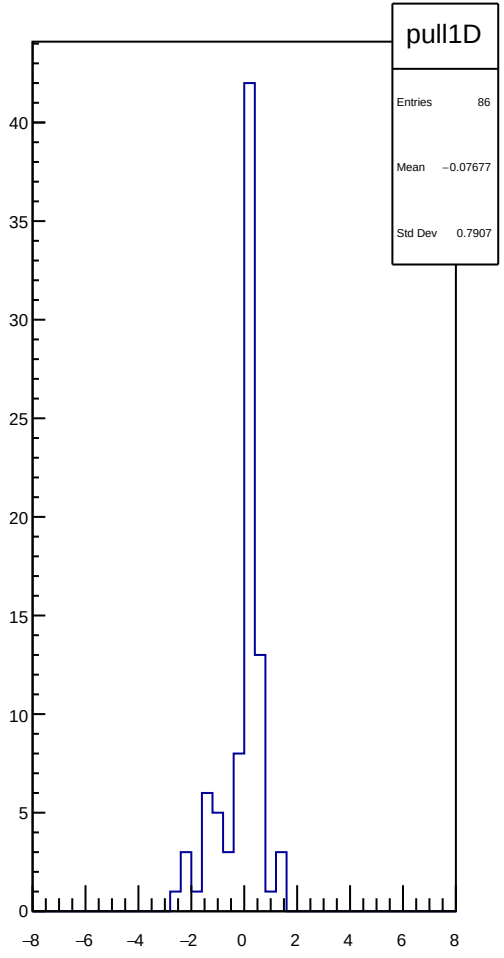

pull1D
Entries 86
Mean 0.5688
Std Dev 1.307

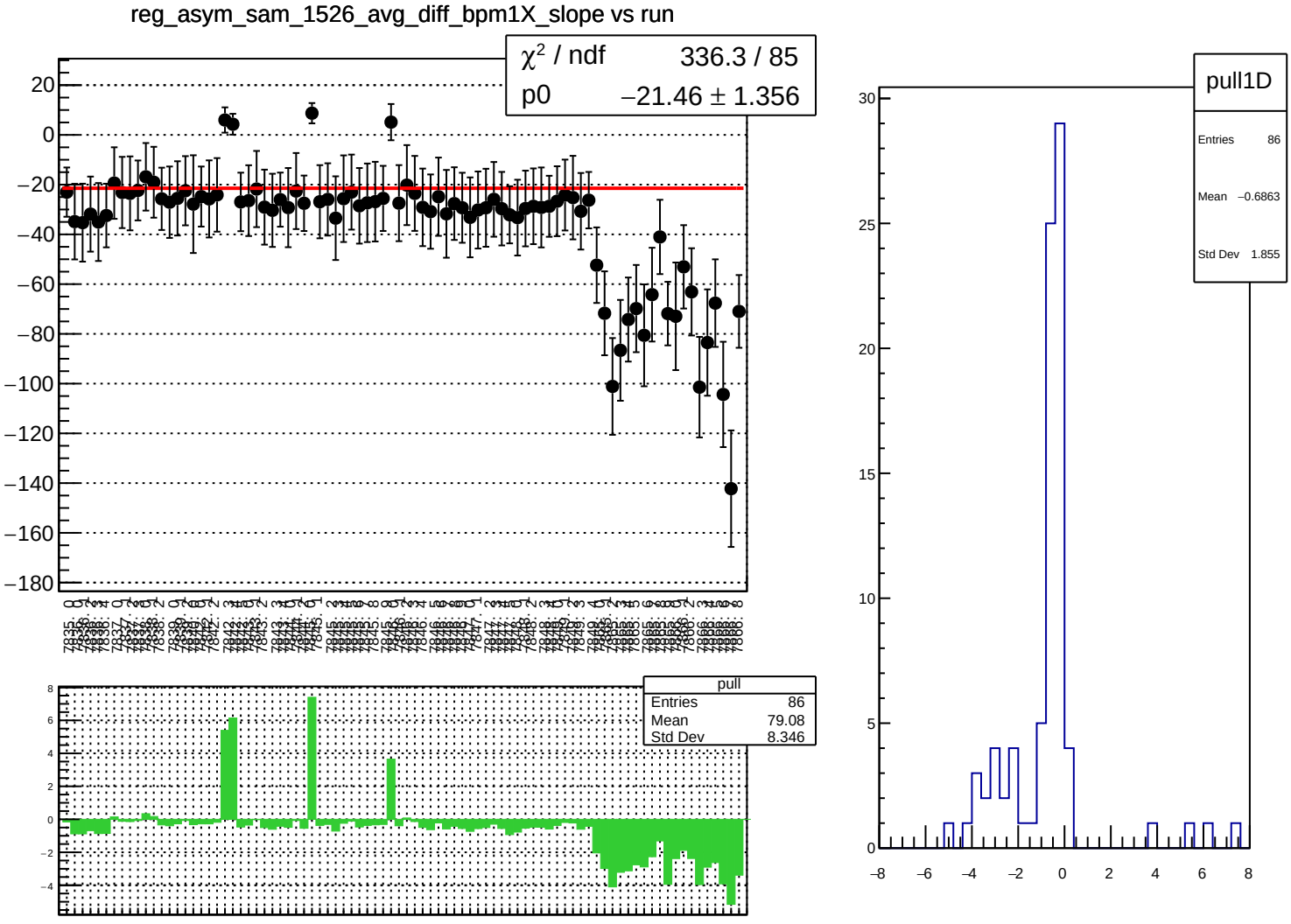

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.84 / 85
p0 22.64 ± 4.665
pull
Entries 86
Mean 121.9
Std Dev 65.06

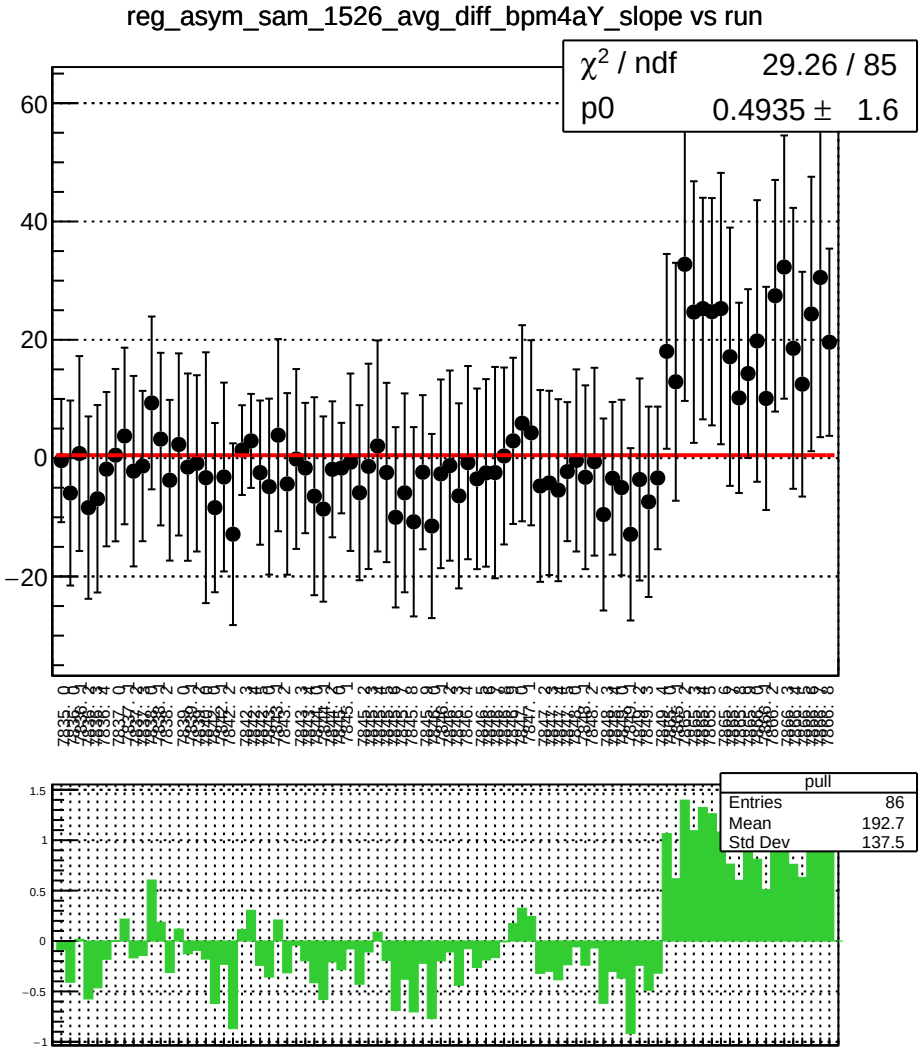

pull1D
Entries 86
Mean −0.05196
Std Dev 0.3674

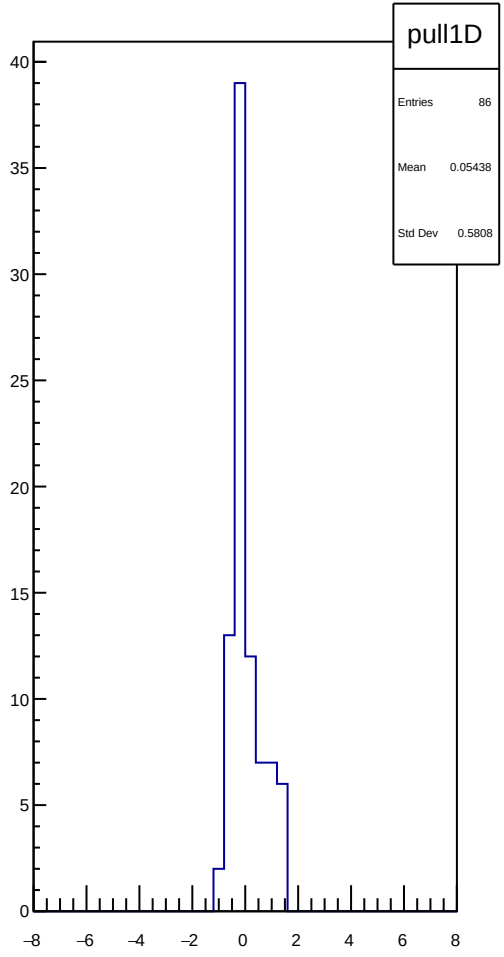
reg_asym_sam_3748_avg_diff_bpm12X_slope vs run

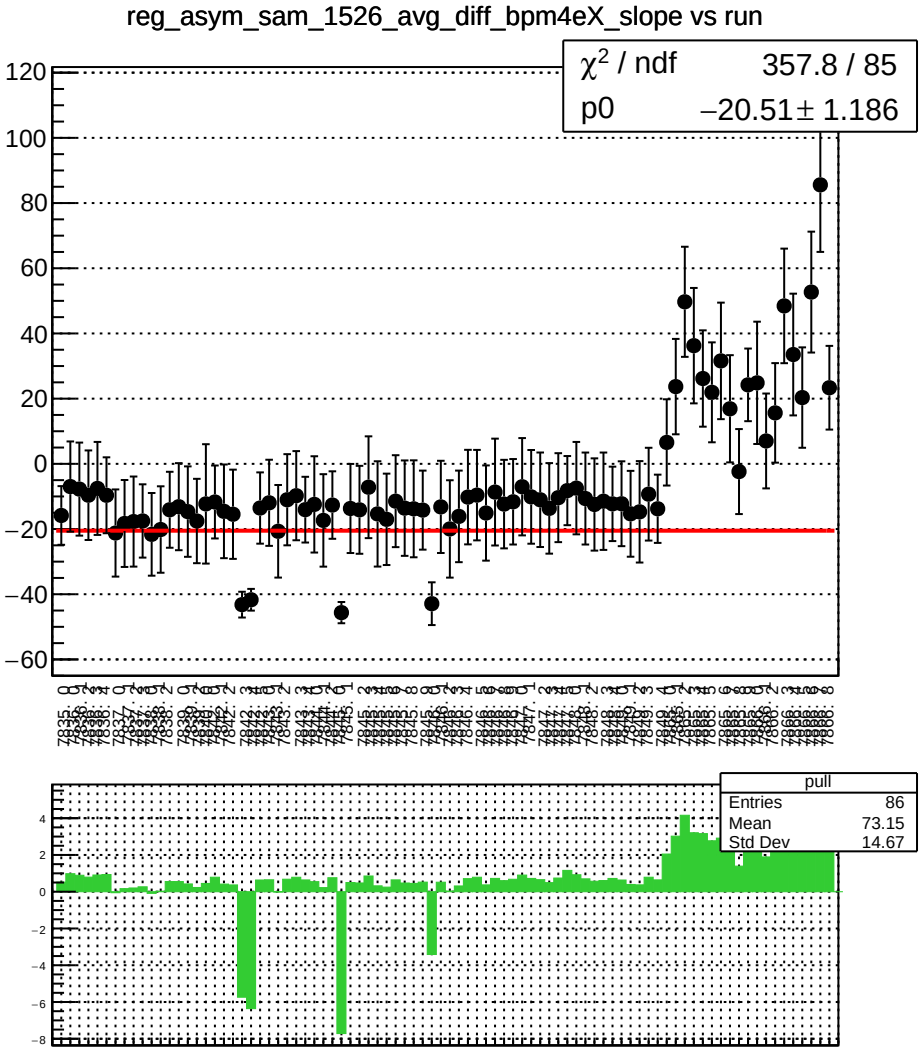


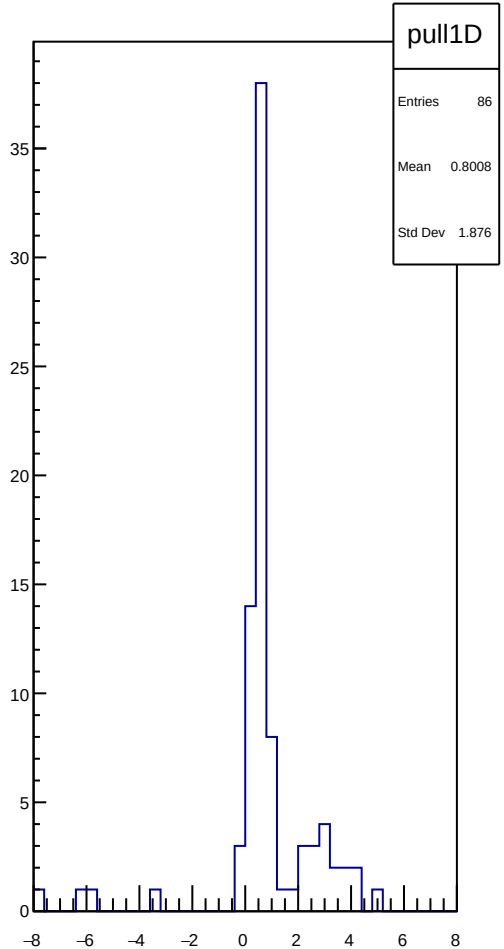


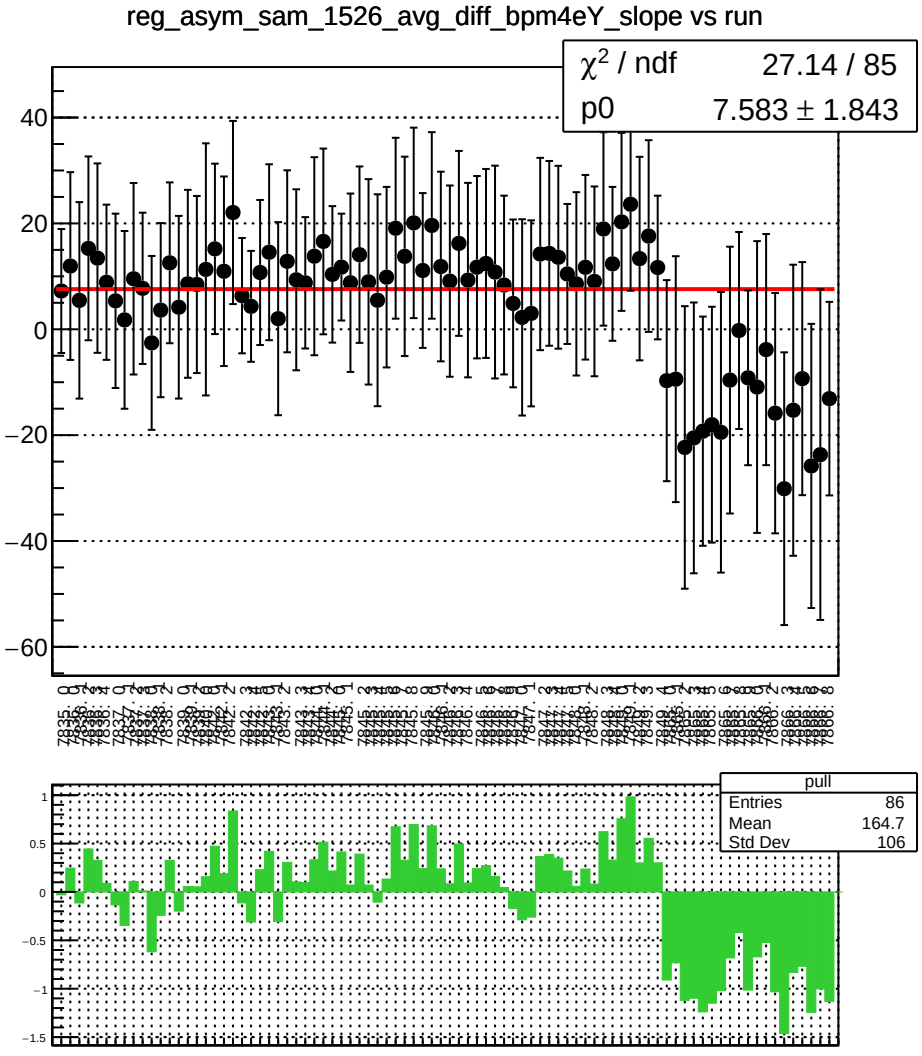

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 336.3 / 85
p0 −21.46 ± 1.356
pull
Entries 86
Mean 79.08
Std Dev 8.346
pull1D
Entries 86
Mean −0.6863
Std Dev 1.855

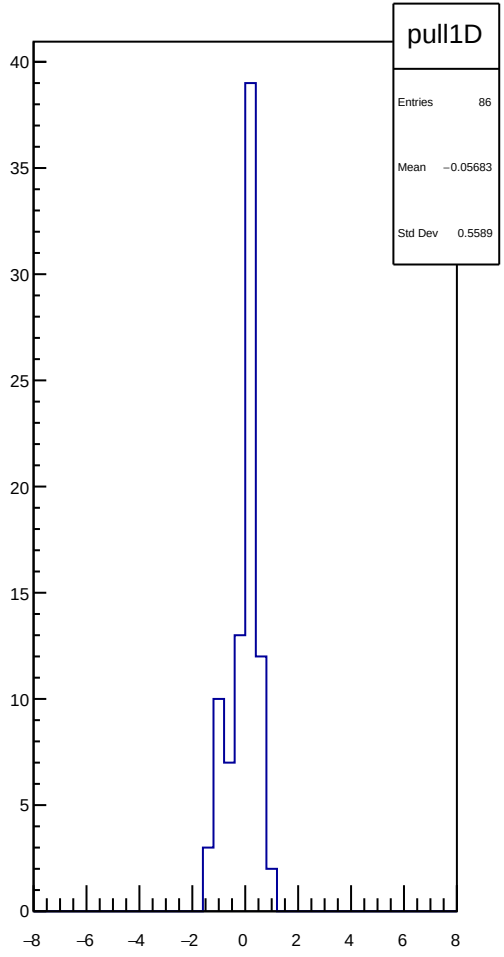

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 29.26 / 85
p0 0.4935 ± 1.6
pull
Entries 86
Mean 192.7
Std Dev 137.5

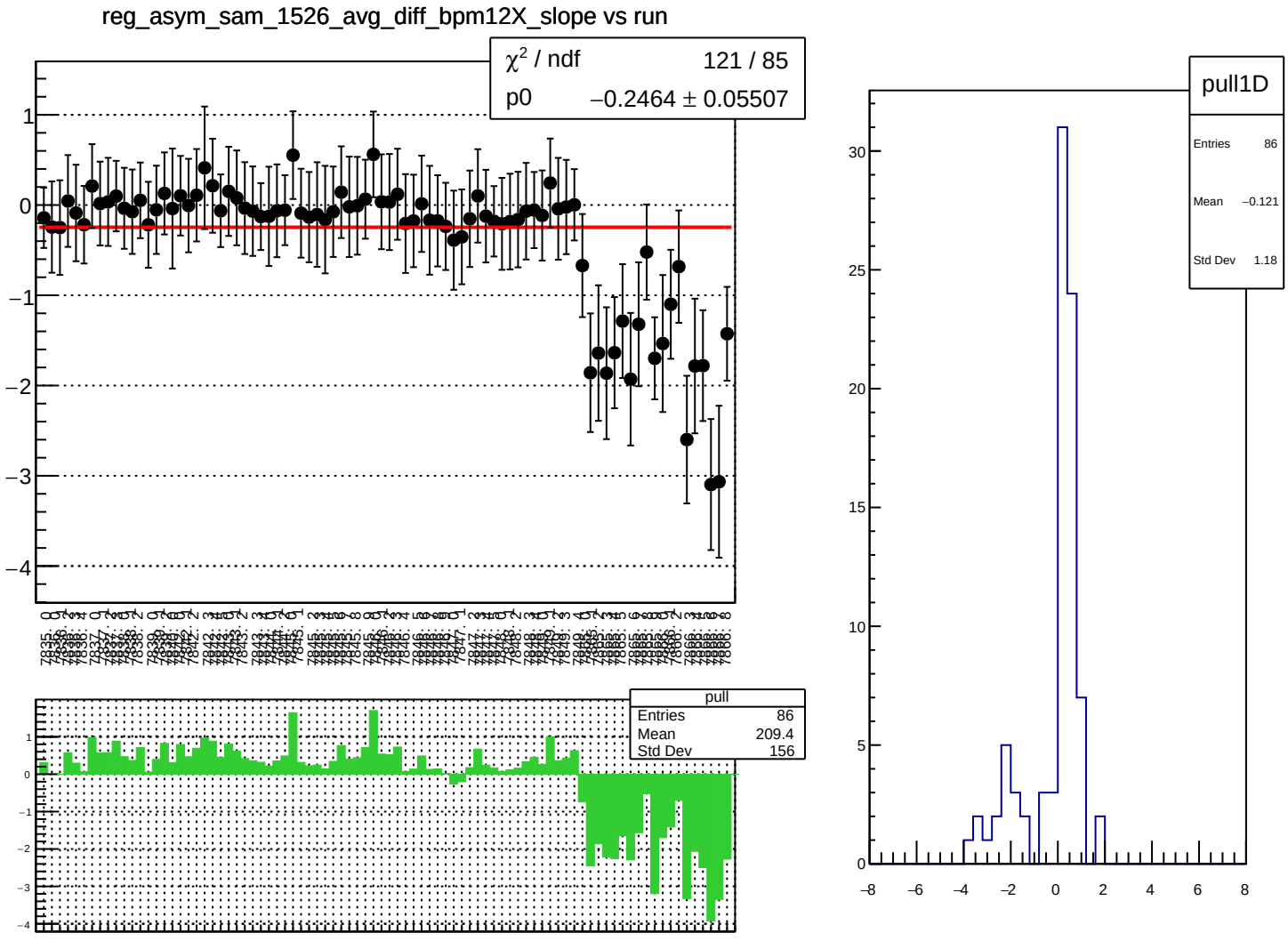

pull1D
Entries 86
Mean 0.05438
Std Dev 0.5808

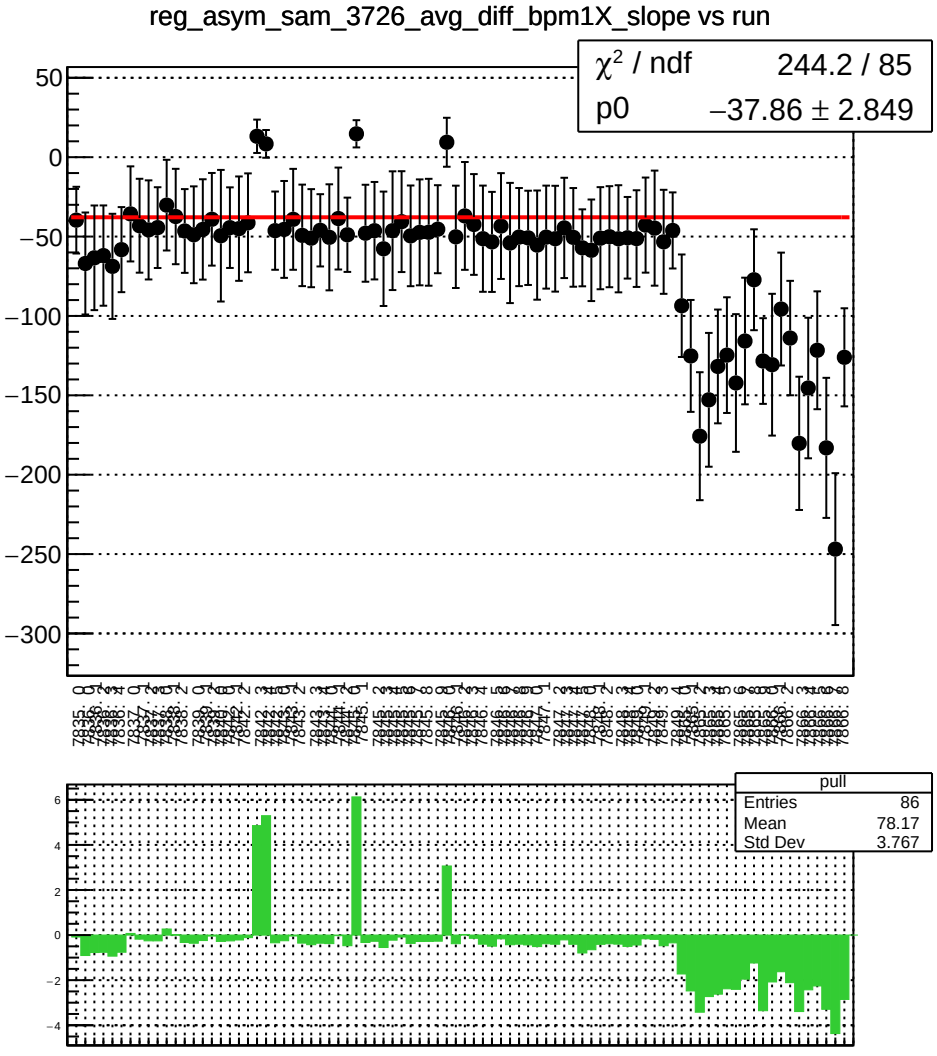

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 357.8 / 85
p0 −20.51 ± 1.186
pull
Entries 86
Mean 73.15
Std Dev 14.67

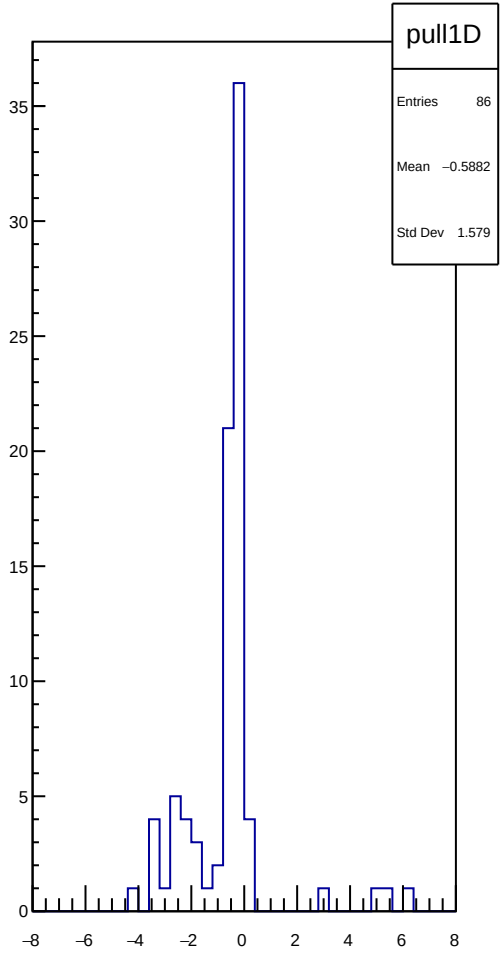

pull1D
Entries 86
Mean 0.8008
Std Dev 1.876

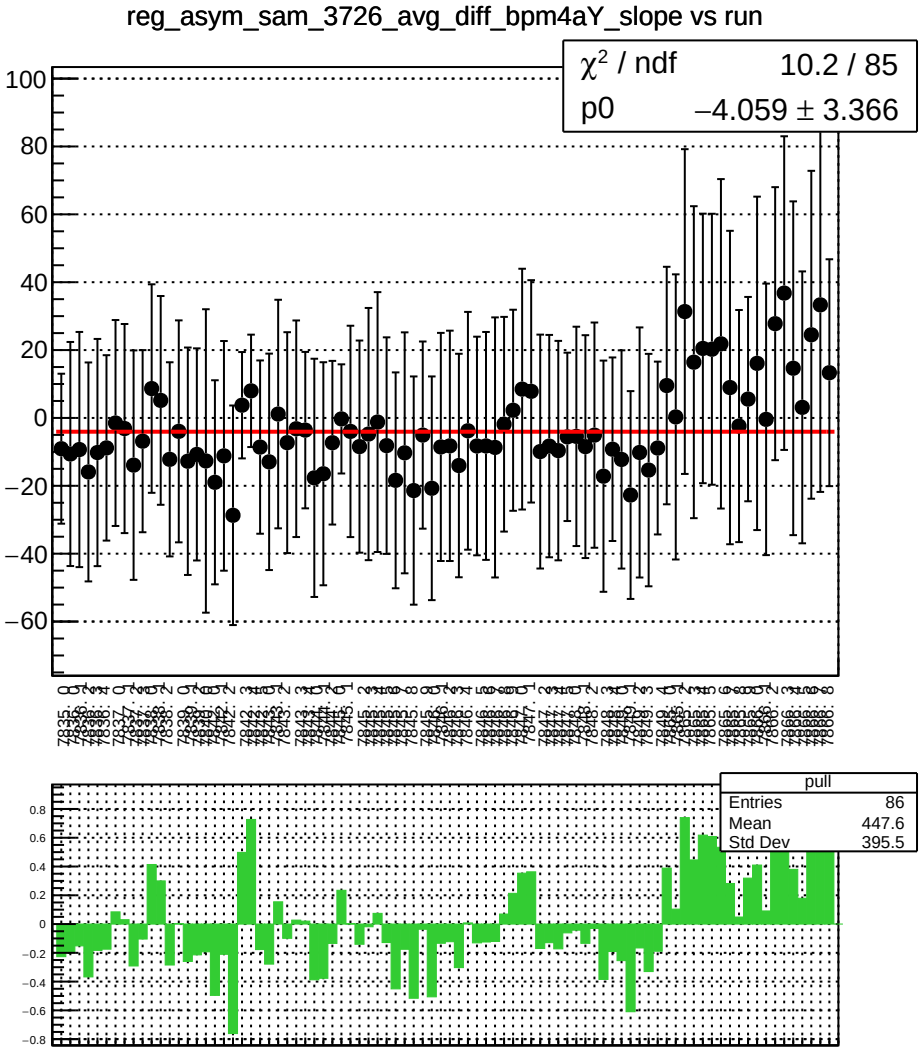

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 27.14 / 85
p0 7.583 ± 1.843
pull
Entries 86
Mean 164.7
Std Dev 106

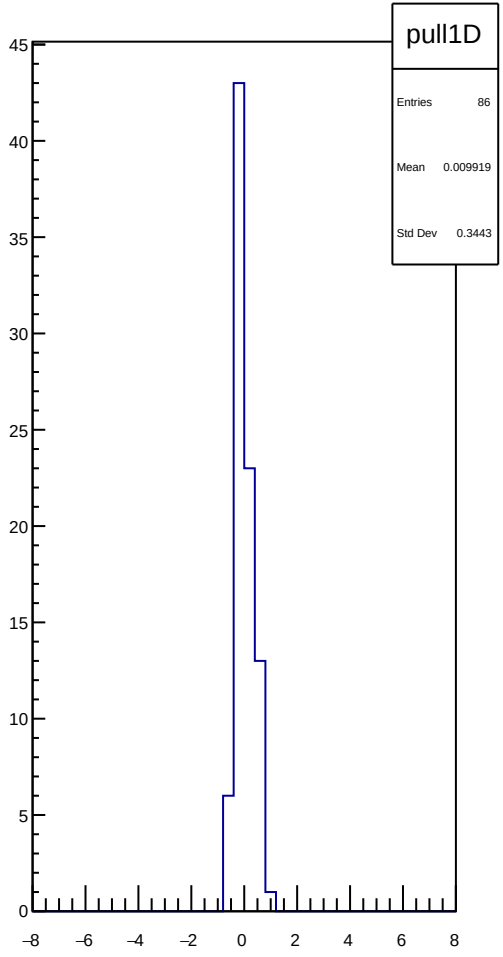

pull1D
Entries 86
Mean −0.05683
Std Dev 0.5589

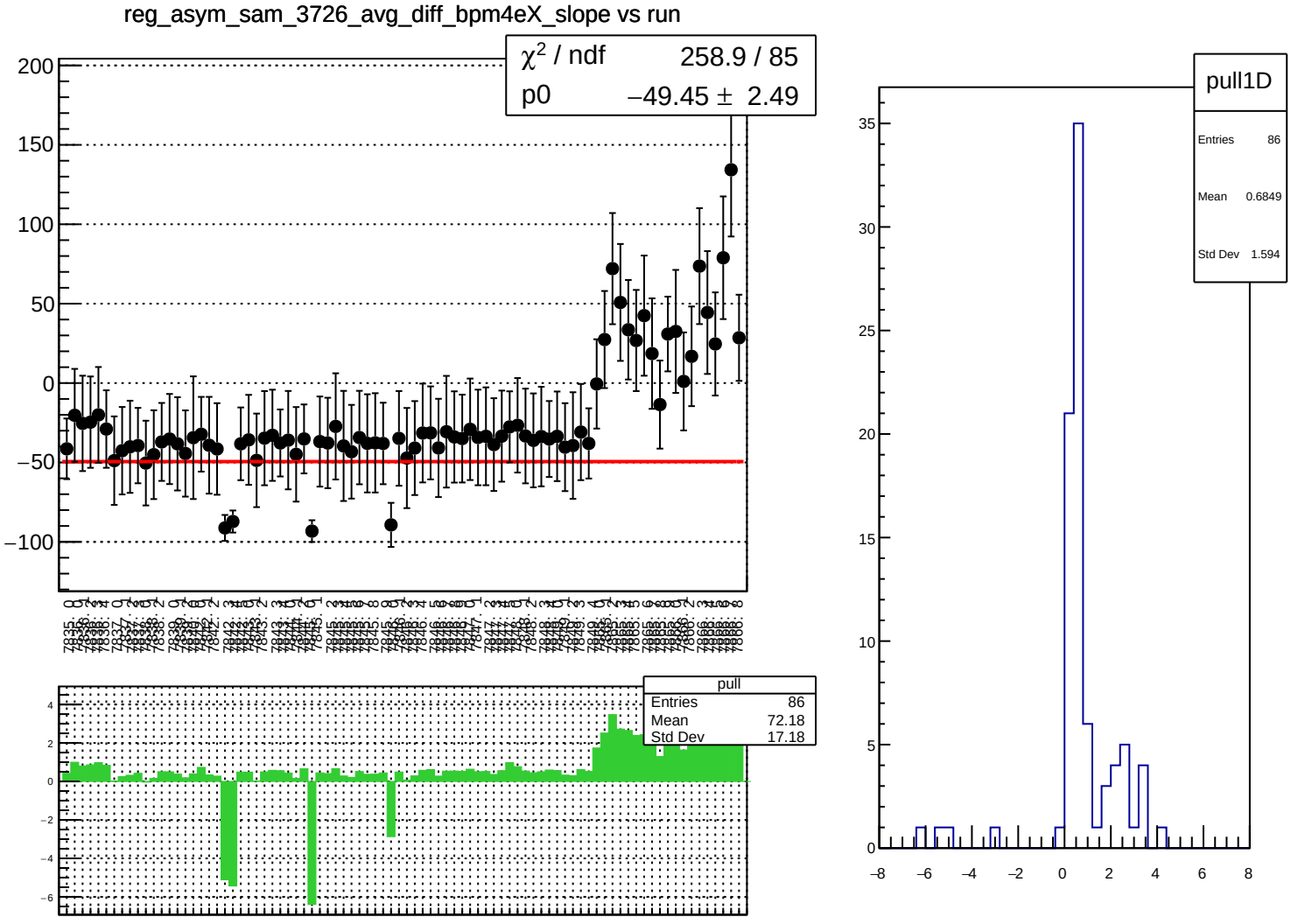

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 121 / 85
p0 −0.2464 ± 0.05507
pull
Entries 86
Mean 209.4
Std Dev 156
pull1D
Entries 86
Mean −0.121
Std Dev 1.18

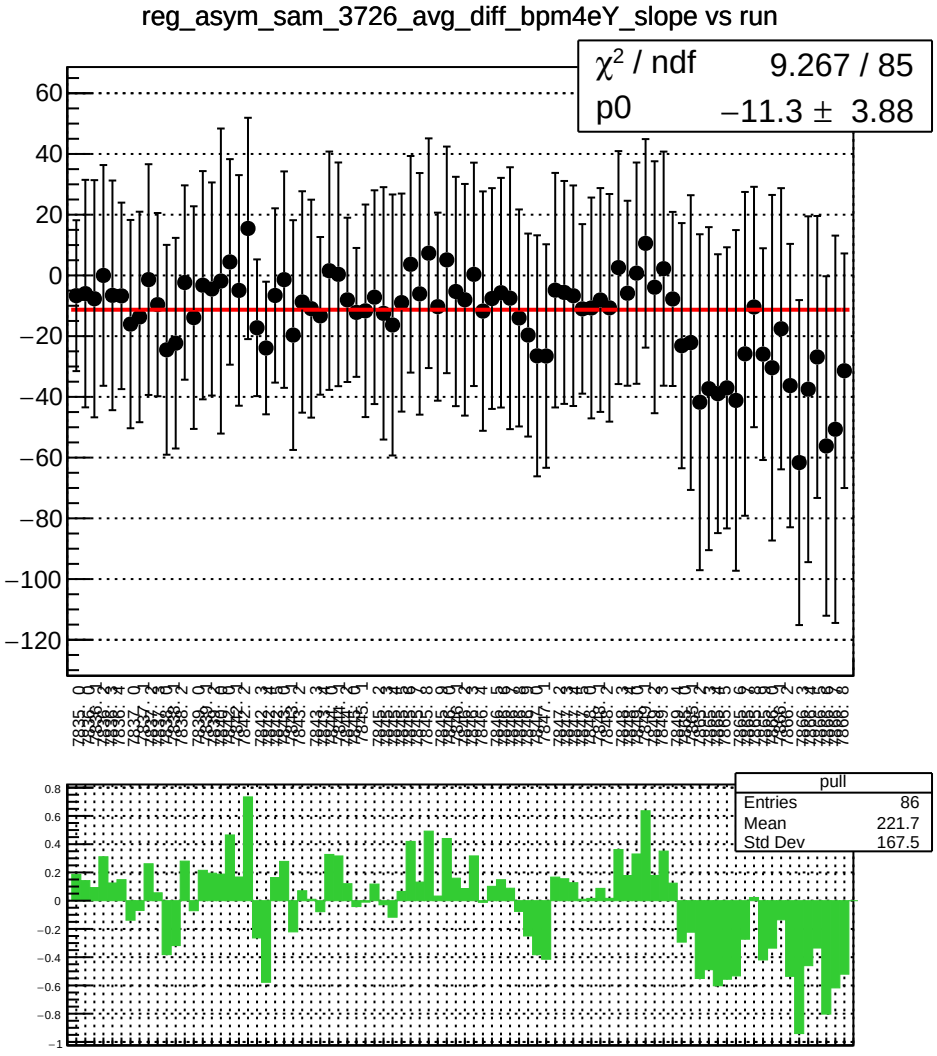

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 244.2 / 85
p0 −37.86 ± 2.849
pull
Entries 86
Mean 78.17
Std Dev 3.767

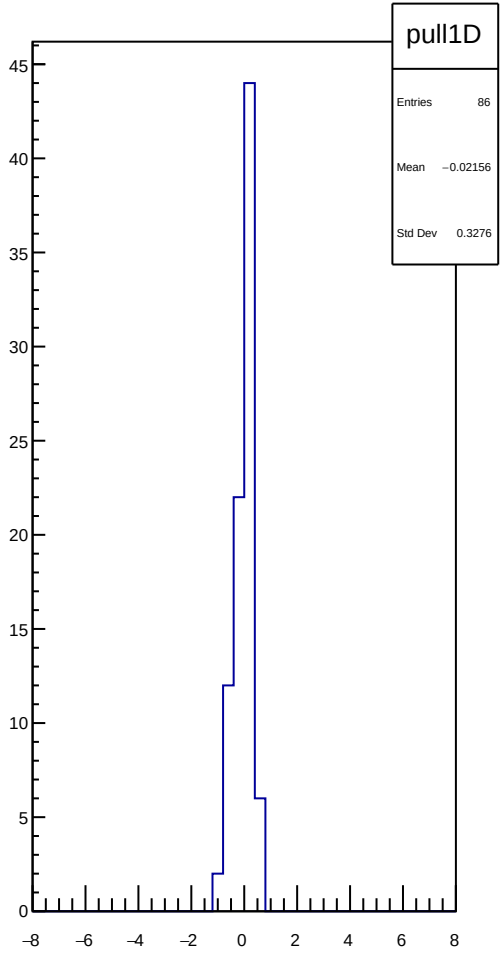

pull1D
Entries 86
Mean −0.5882
Std Dev 1.579


reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.2 / 85
p0 −4.059 ± 3.366
pull
Entries 86
Mean 447.6
Std Dev 395.5

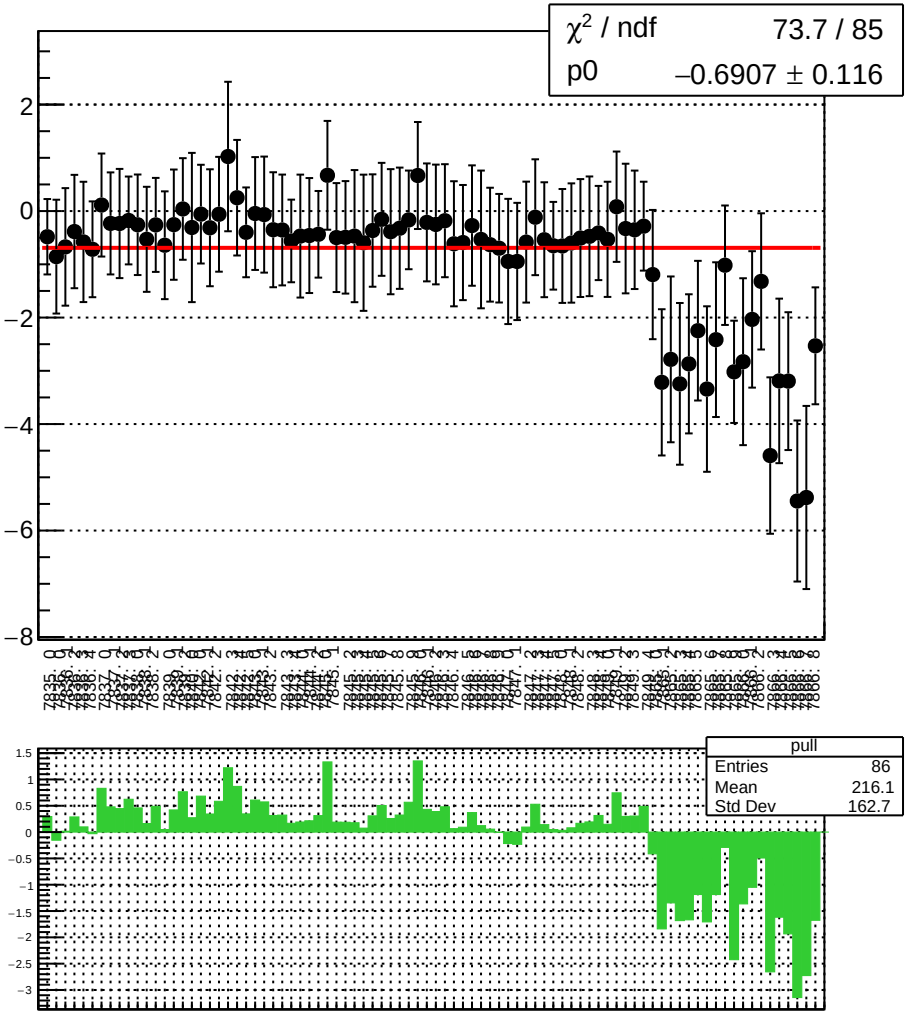

pull1D
Entries 86
Mean 0.009919
Std Dev 0.3443

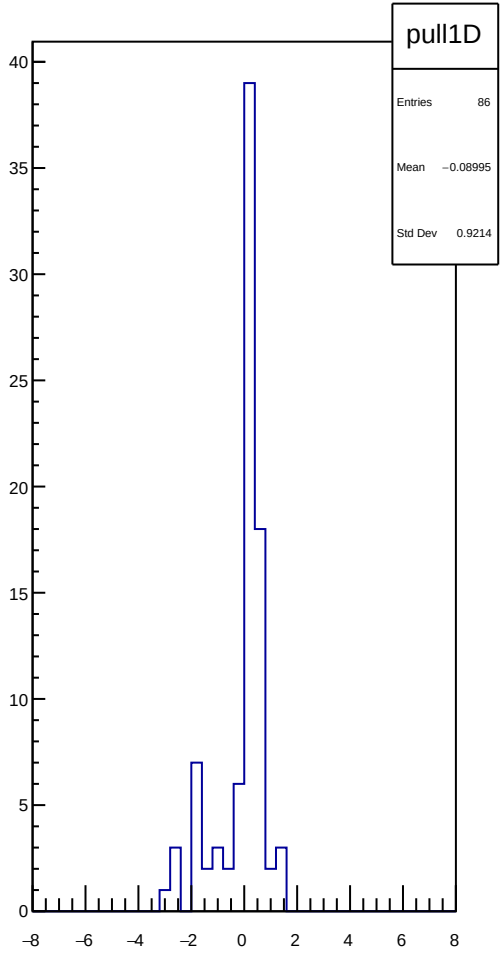

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 258.9 / 85
p0 −49.45 ± 2.49
pull
Entries 86
Mean 72.18
Std Dev 17.18
pull1D
Entries 86
Mean 0.6849
Std Dev 1.594

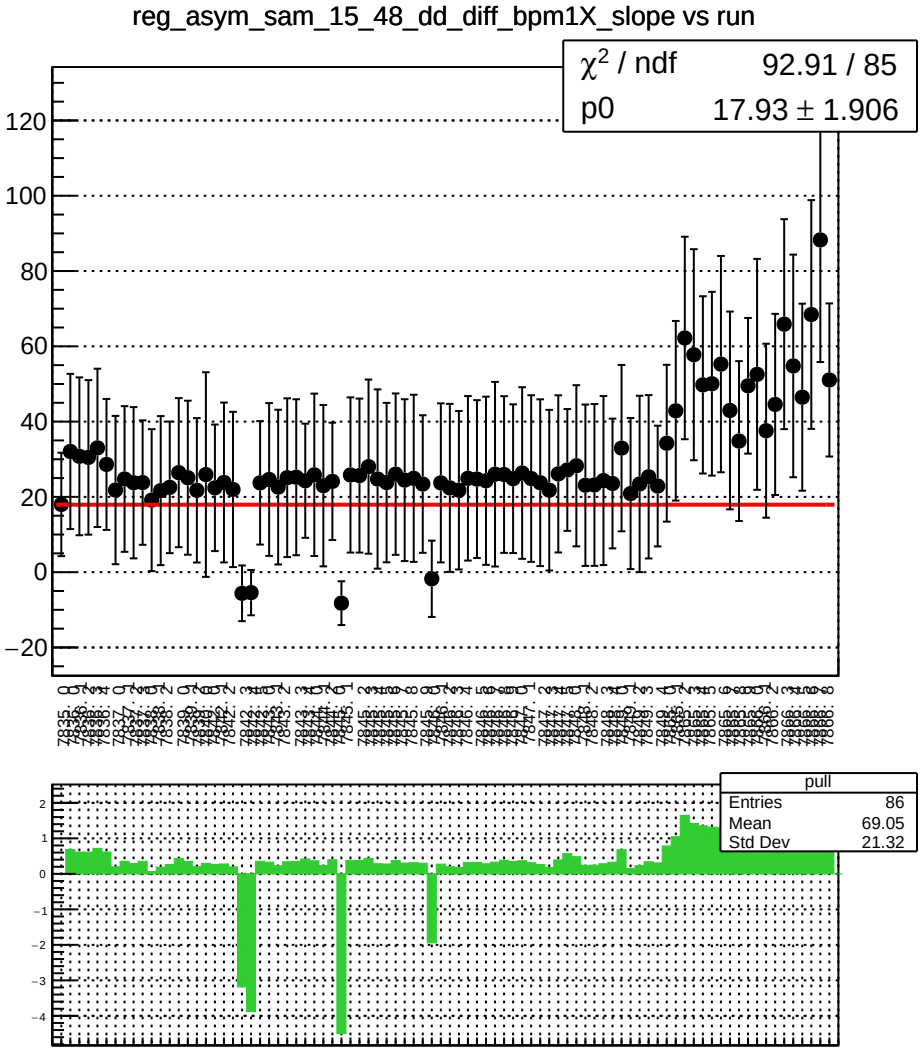

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.267 / 85
p0 −11.3 ± 3.88
pull
Entries 86
Mean 221.7
Std Dev 167.5

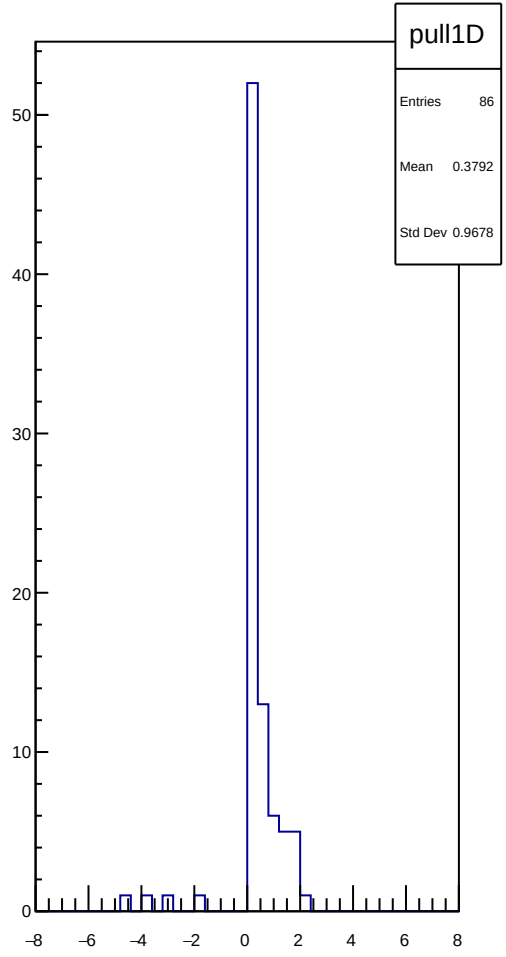

pull1D
Entries 86
Mean −0.02156
Std Dev 0.3276

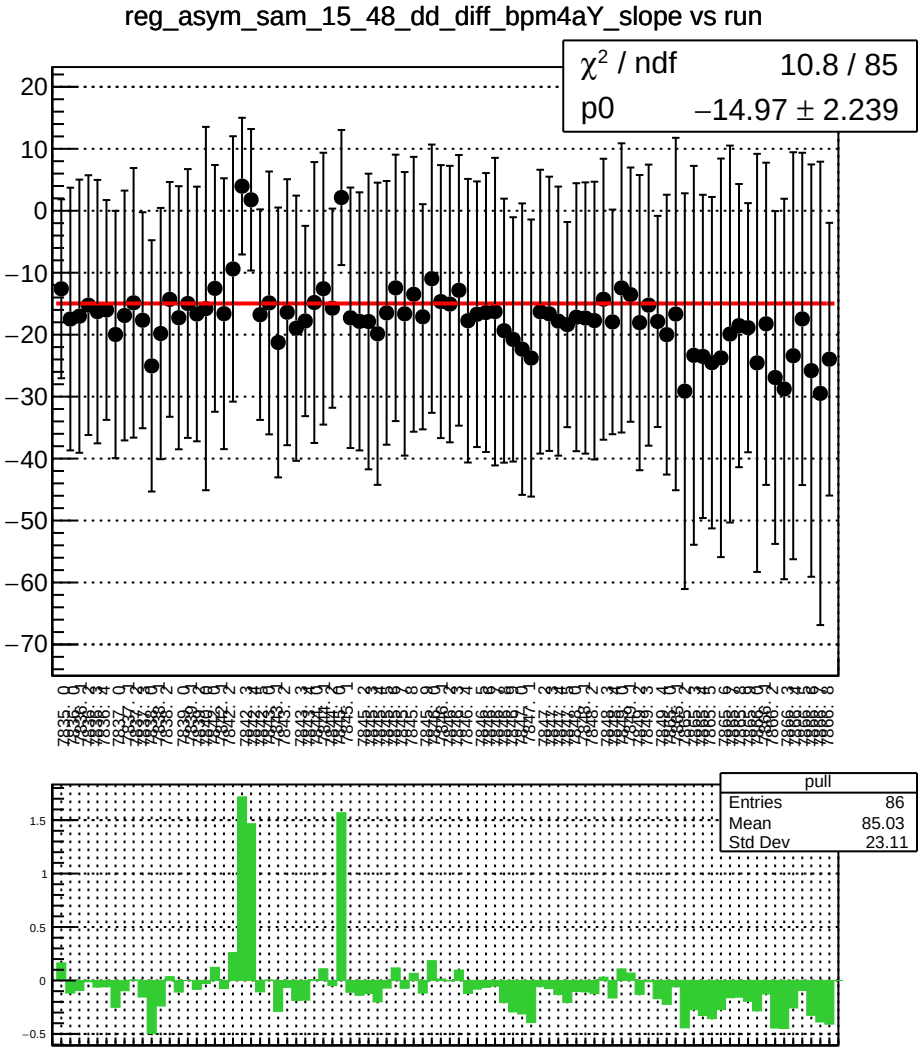
reg_asym_sam_3726_avg_diff_bpm12X_slope vs run

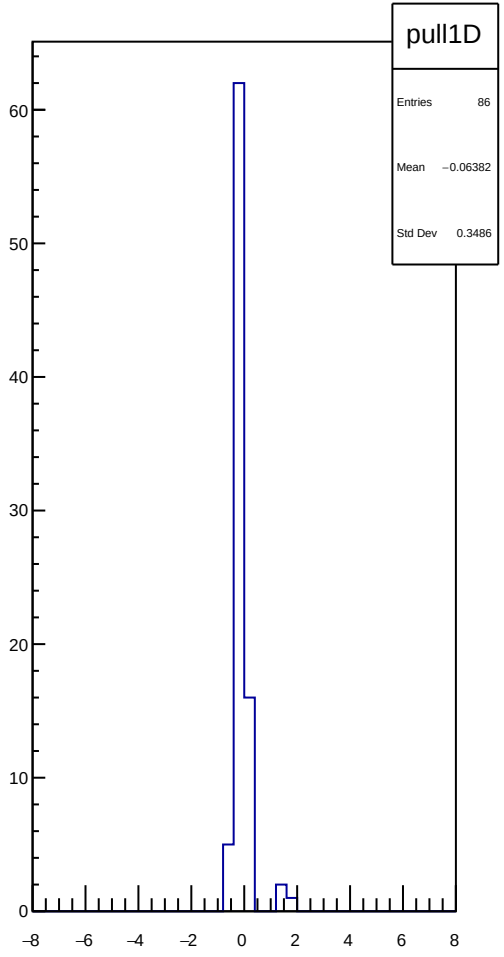


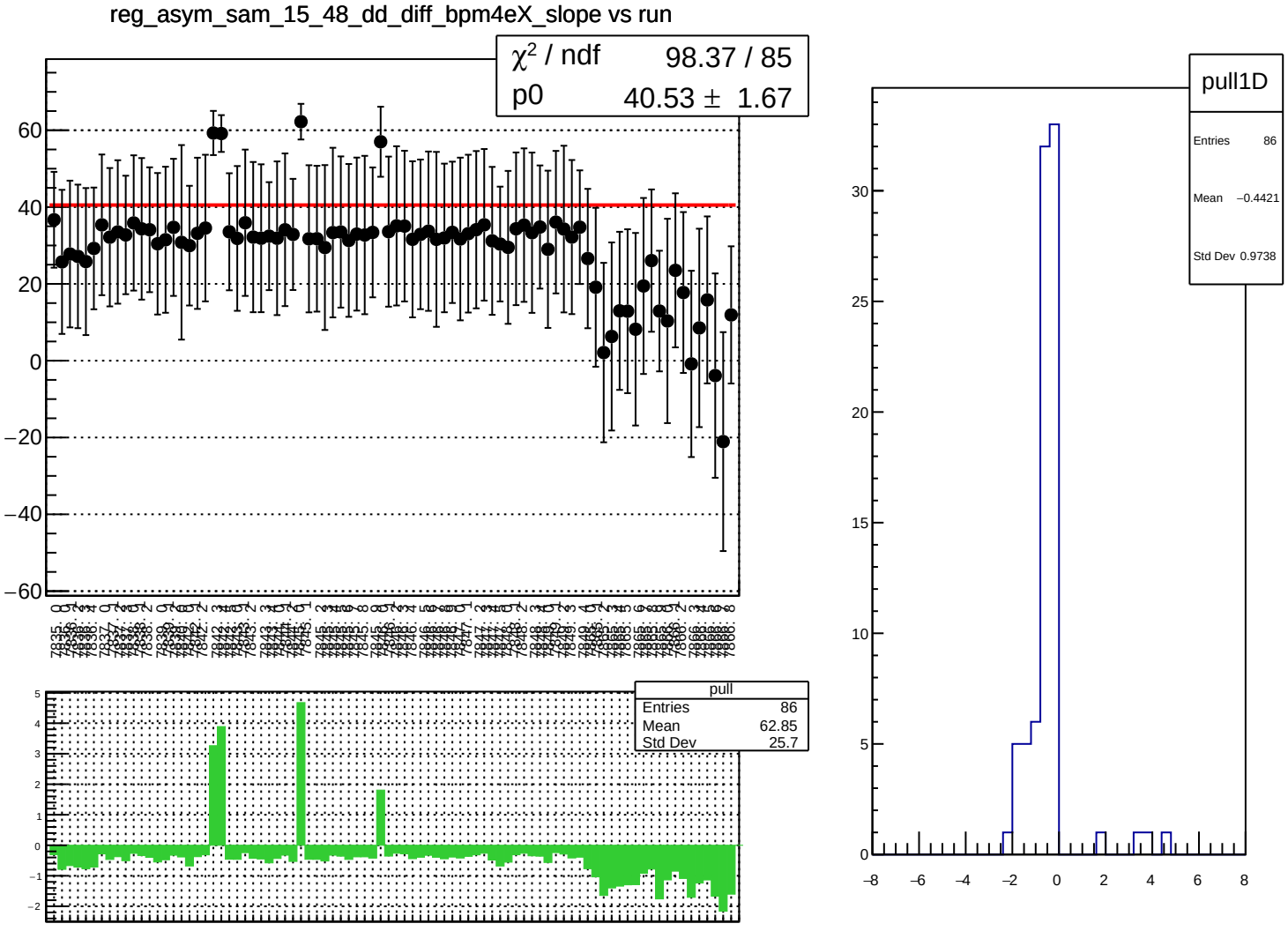


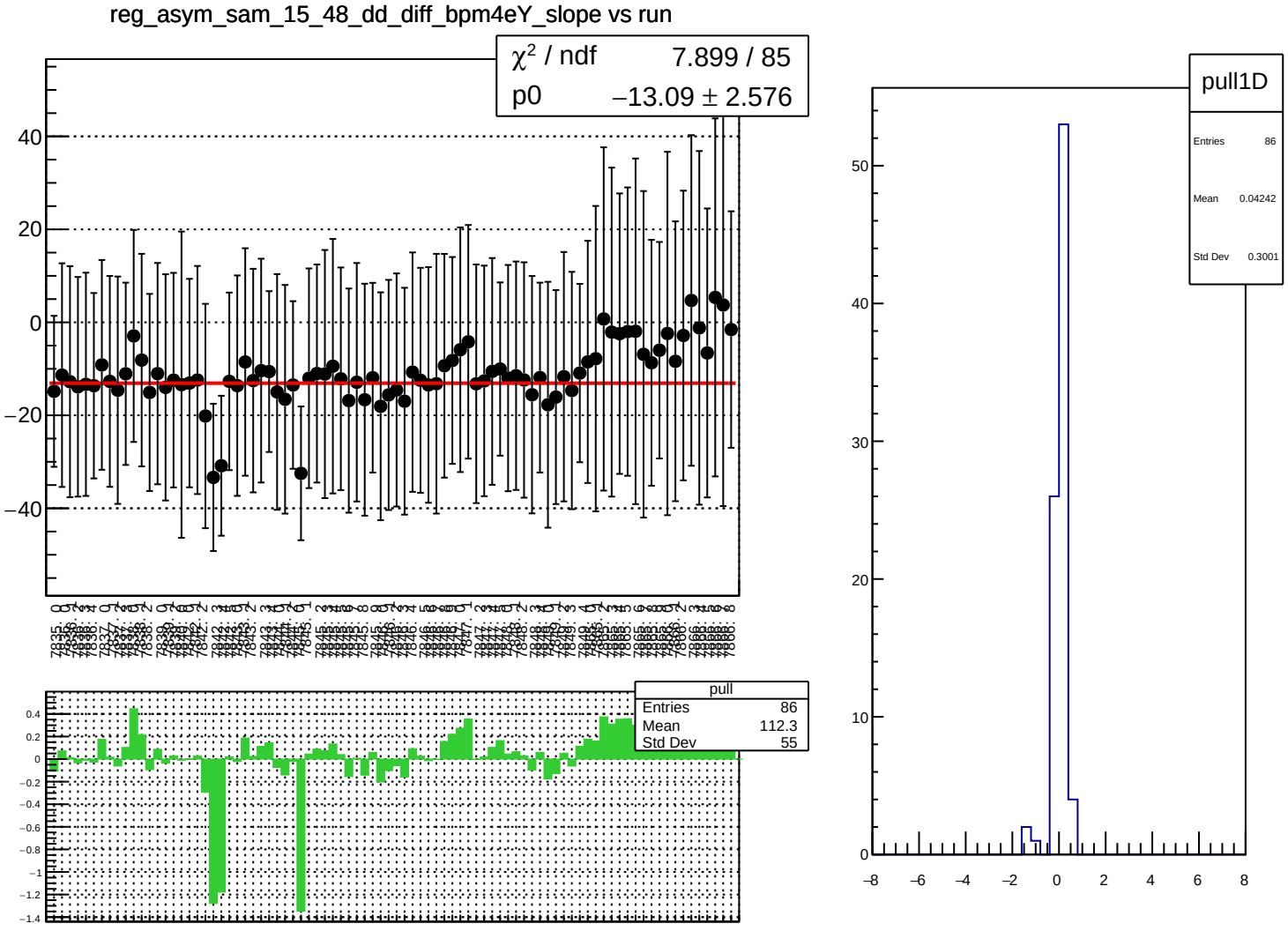

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ^2 / ndf 92.91 / 85
p0 17.93 ± 1.906
pull
Entries 86
Mean 69.05
Std Dev 21.32

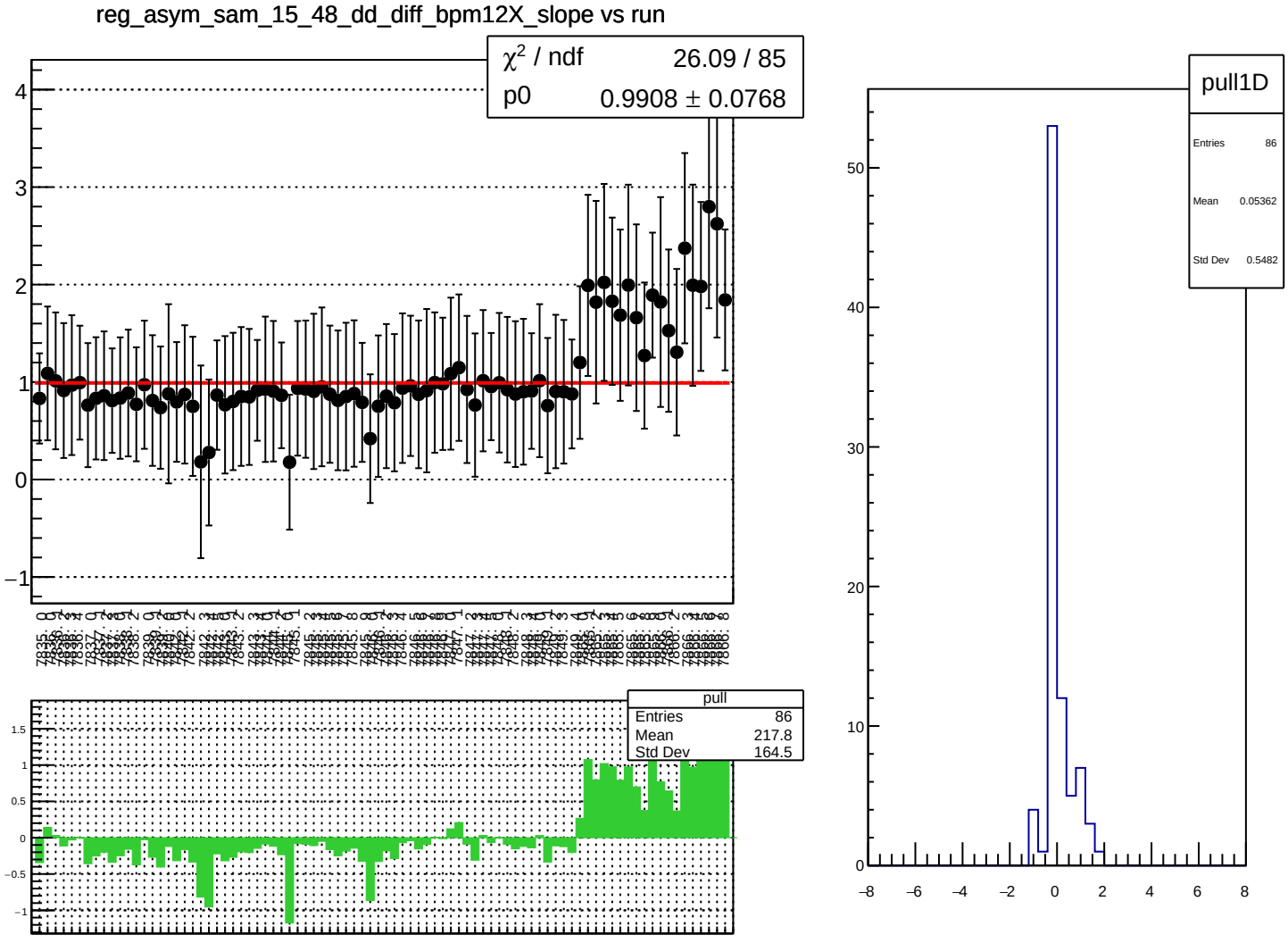

pull1D
Entries 86
Mean 0.3792
Std Dev 0.9678

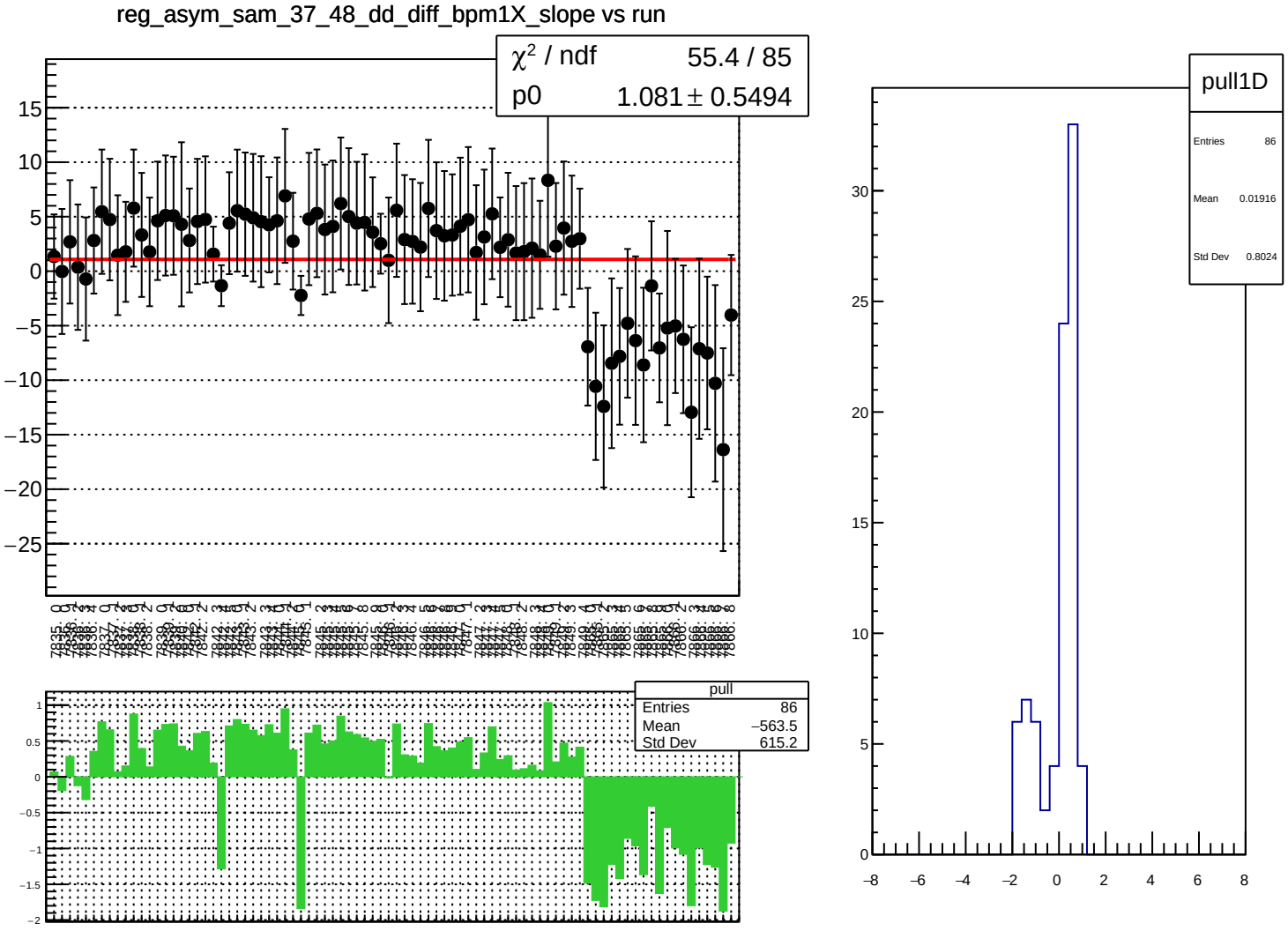

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.8 / 85
p0 −14.97 ± 2.239
pull
Entries 86
Mean 85.03
Std Dev 23.11

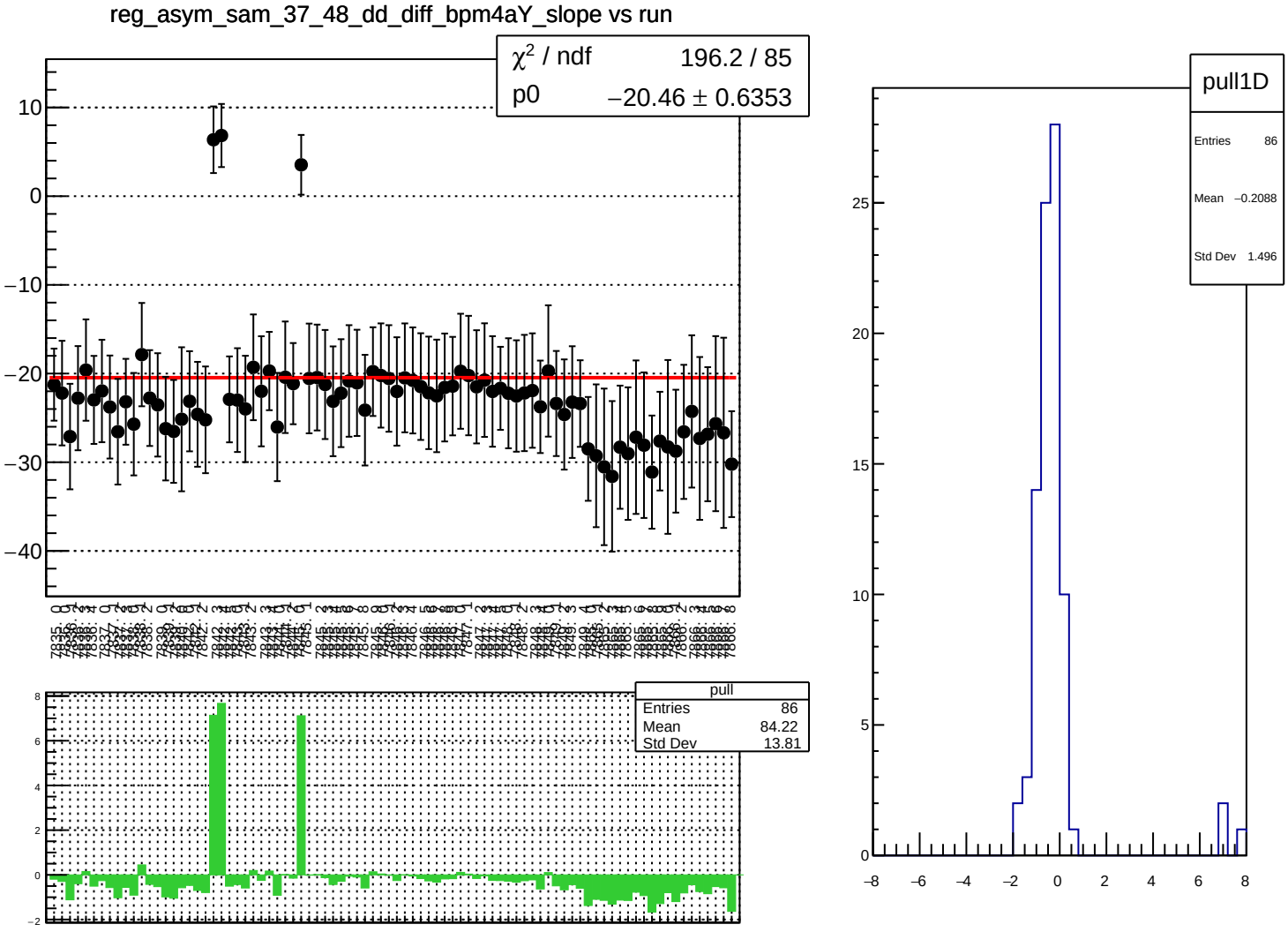

pull1D
Entries 86
Mean −0.06382
Std Dev 0.3486

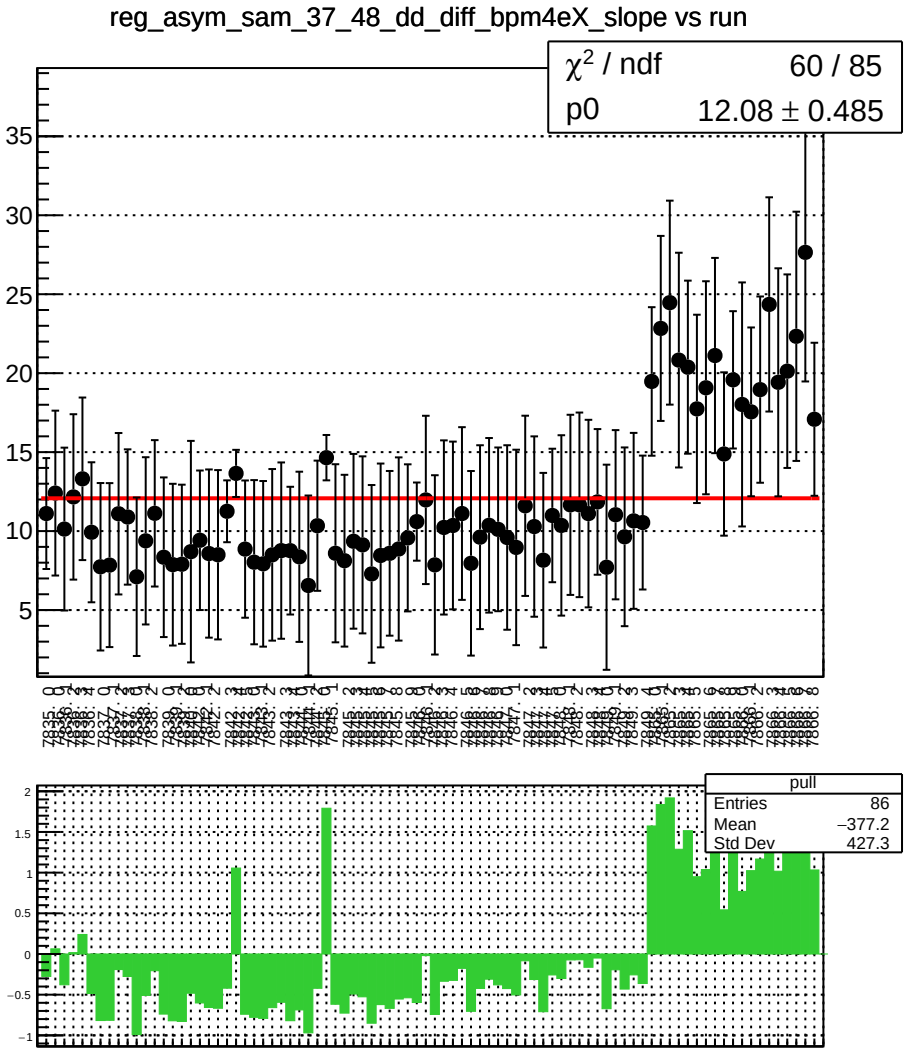

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 98.37 / 85
p0 40.53 ± 1.67
pull
Entries 86
Mean 62.85
Std Dev 25.7
pull1D
Entries 86
Mean −0.4421
Std Dev 0.9738

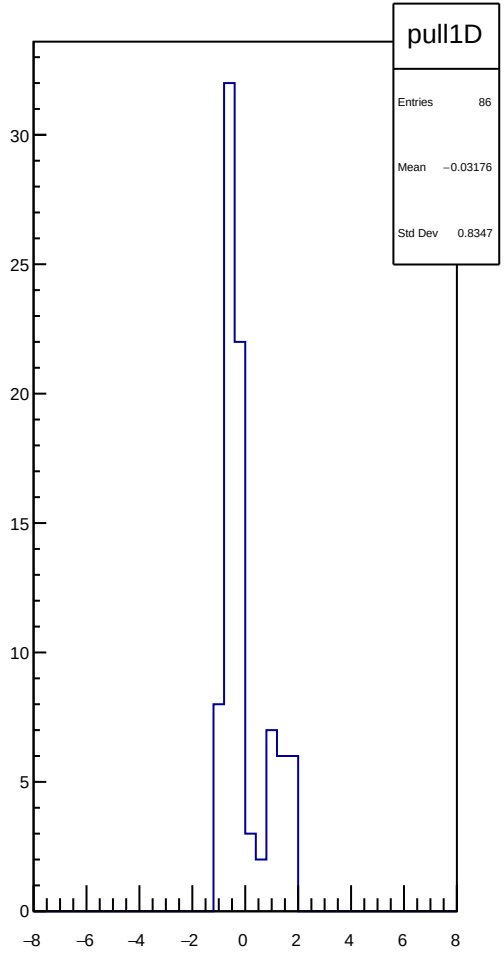

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.899 / 85
p0 −13.09 ± 2.576
pull
Entries 86
Mean 112.3
Std Dev 55
pull1D
Entries 86
Mean 0.04242
Std Dev 0.3001

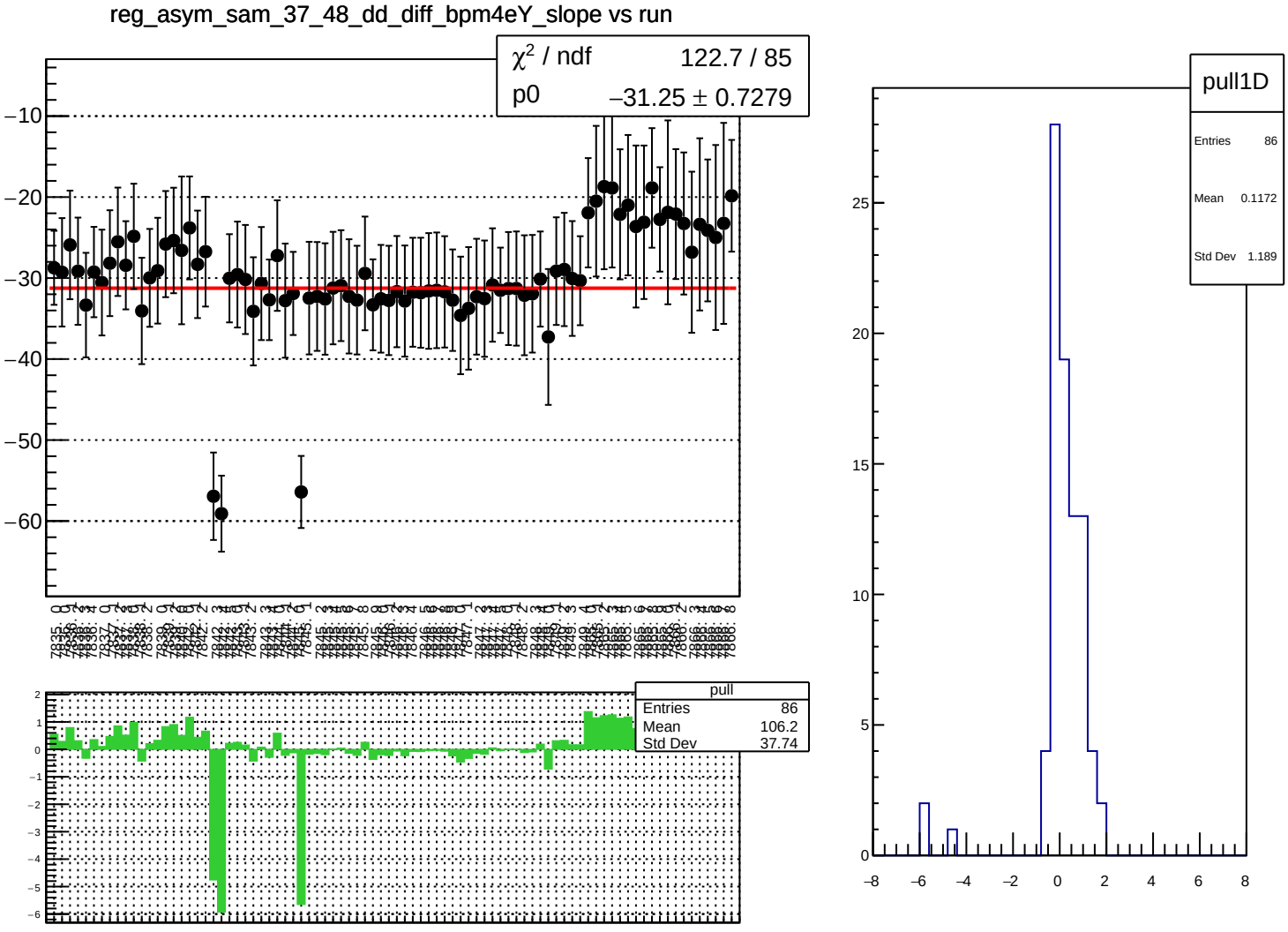

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 26.09 / 85
p0 0.9908 ± 0.0768
pull
Entries 86
Mean 217.8
Std Dev 164.5
pull1D
Entries 86
Mean 0.05362
Std Dev 0.5482

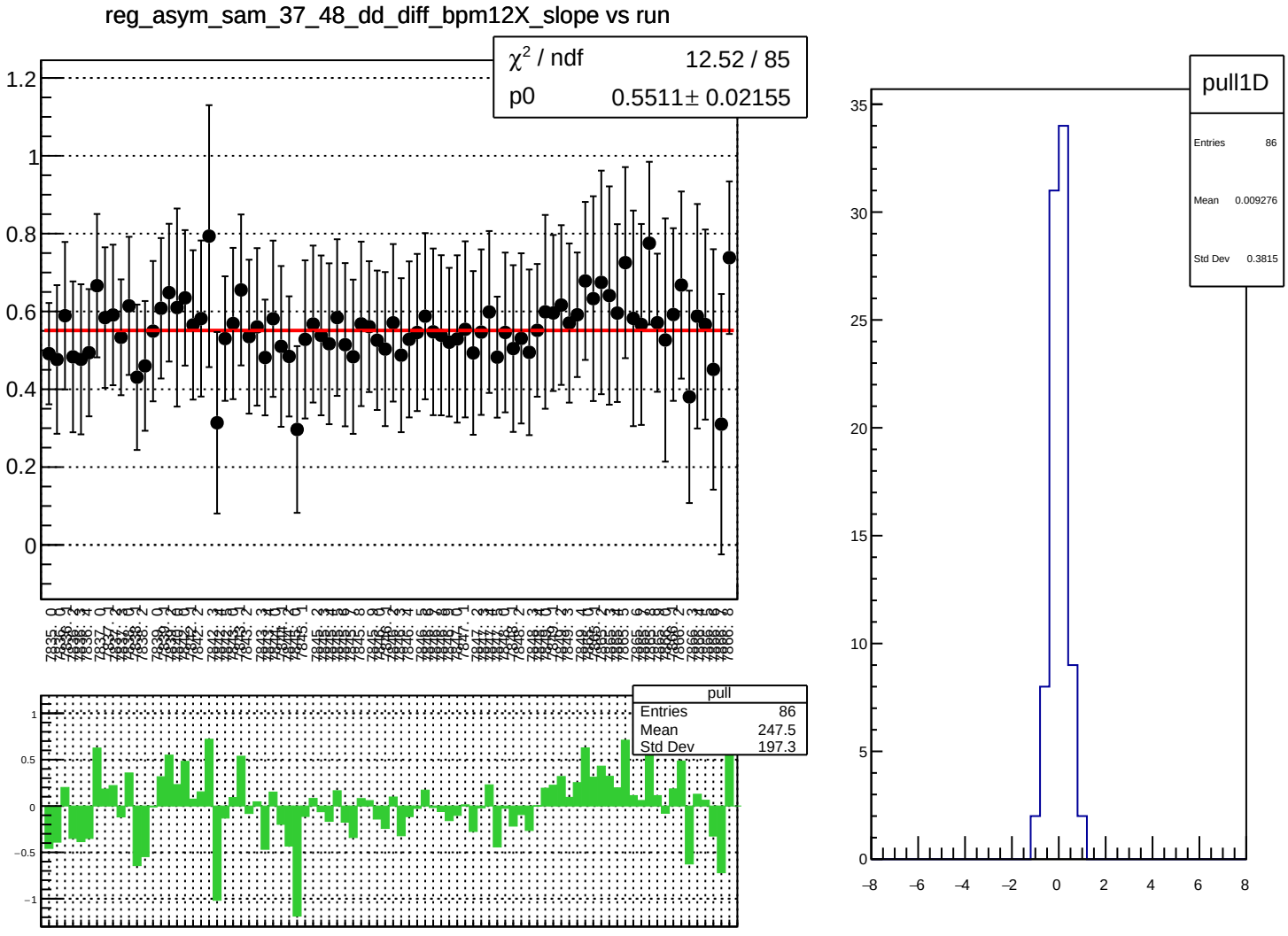

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 55.4 / 85
p0 1.081 ± 0.5494
pull
Entries 86
Mean −563.5
Std Dev 615.2
pull1D
Entries 86
Mean 0.01916
Std Dev 0.8024

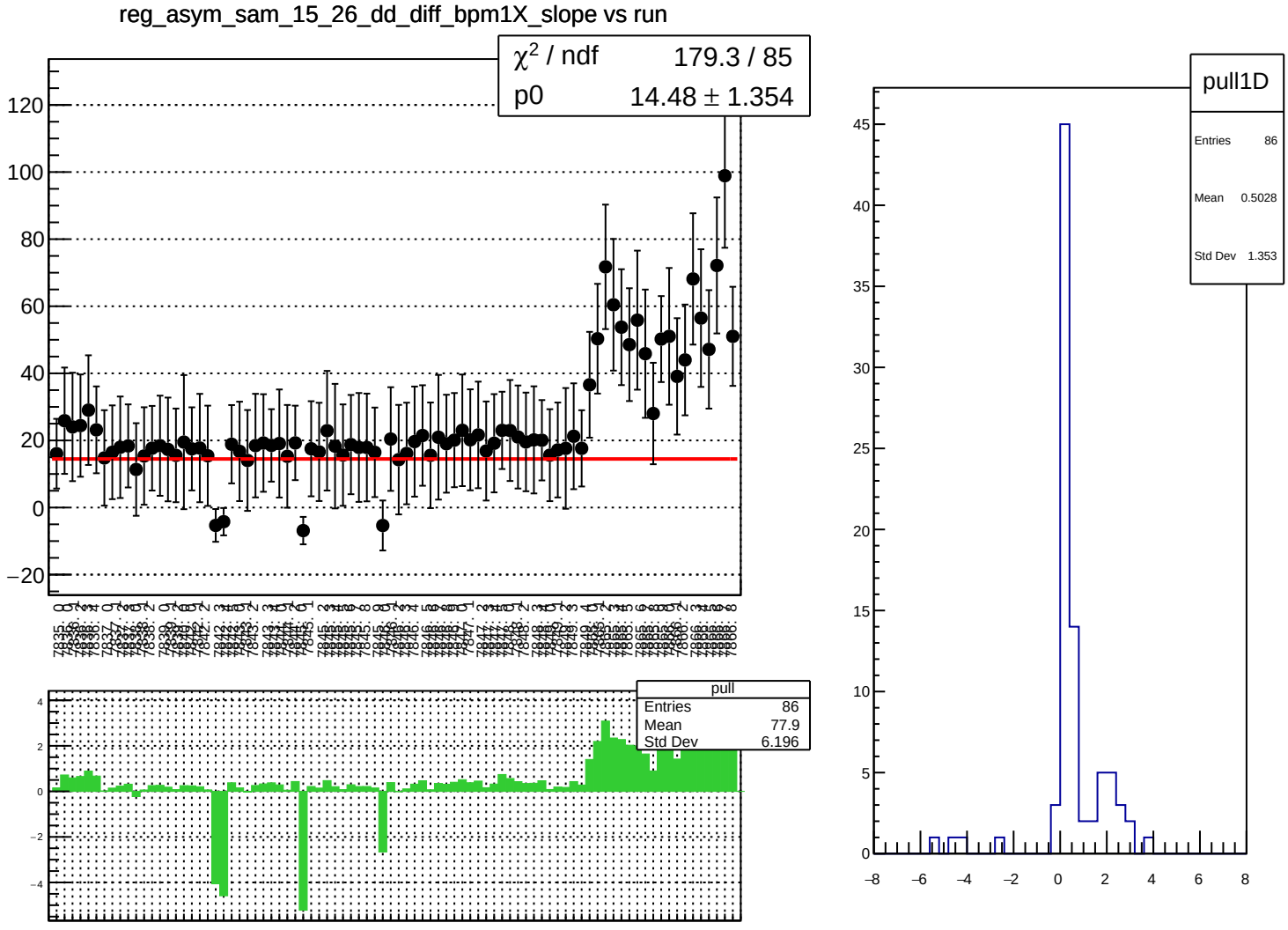

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 196.2 / 85
p0 −20.46 ± 0.6353
pull
Entries 86
Mean 84.22
Std Dev 13.81
pull1D
Entries 86
Mean −0.2088
Std Dev 1.496

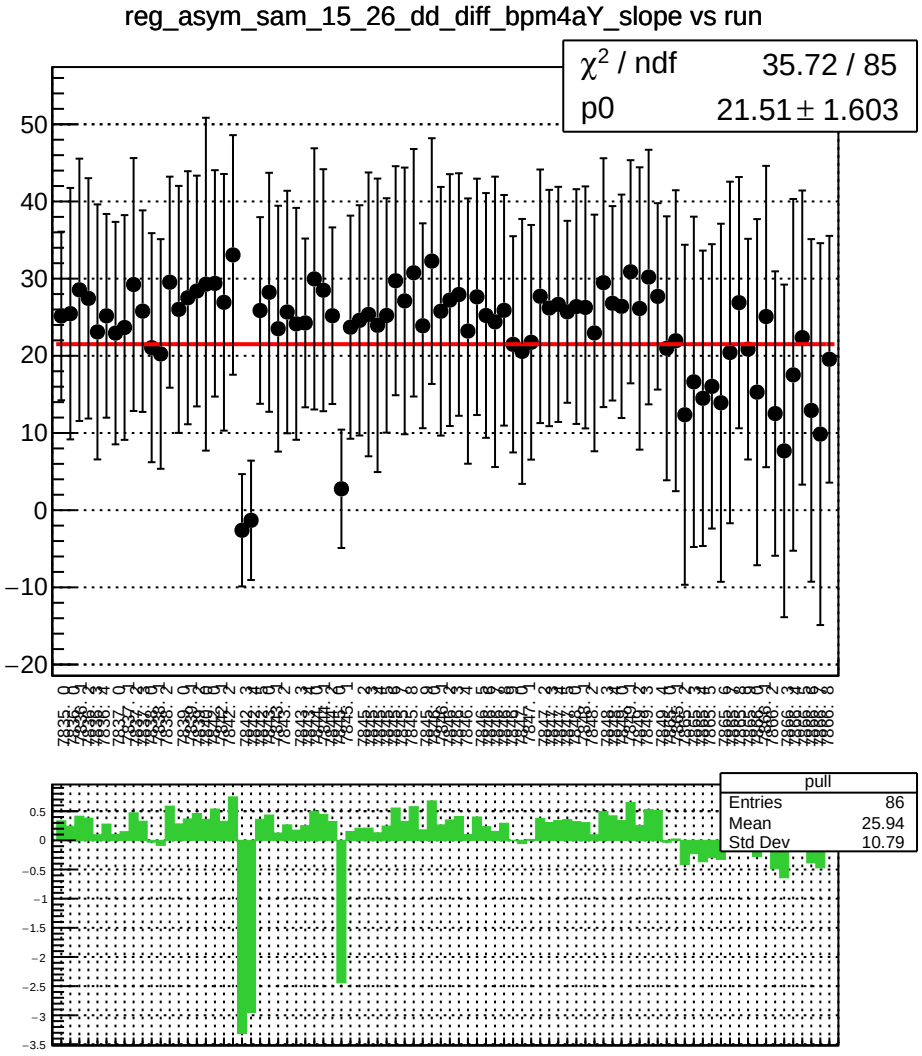

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 60 / 85
p0 12.08 ± 0.485
pull
Entries 86
Mean −377.2
Std Dev 427.3

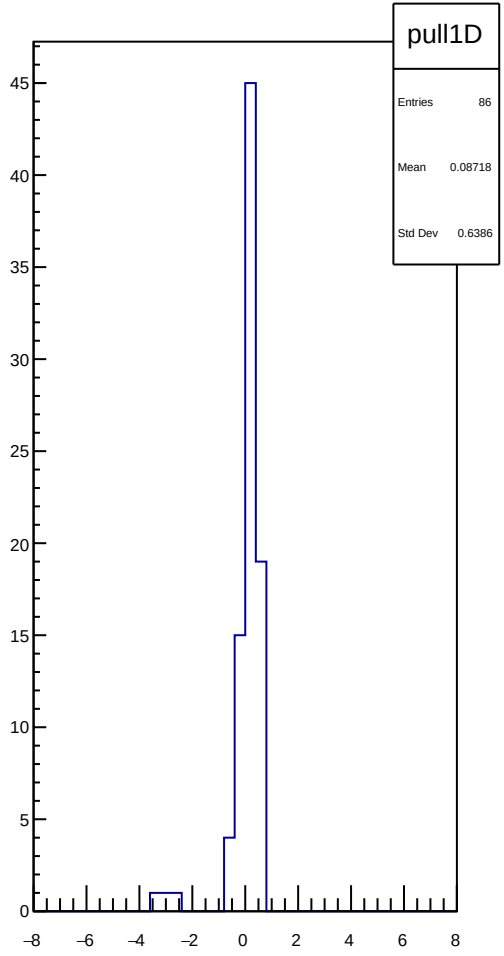

pull1D
Entries 86
Mean −0.03176
Std Dev 0.8347

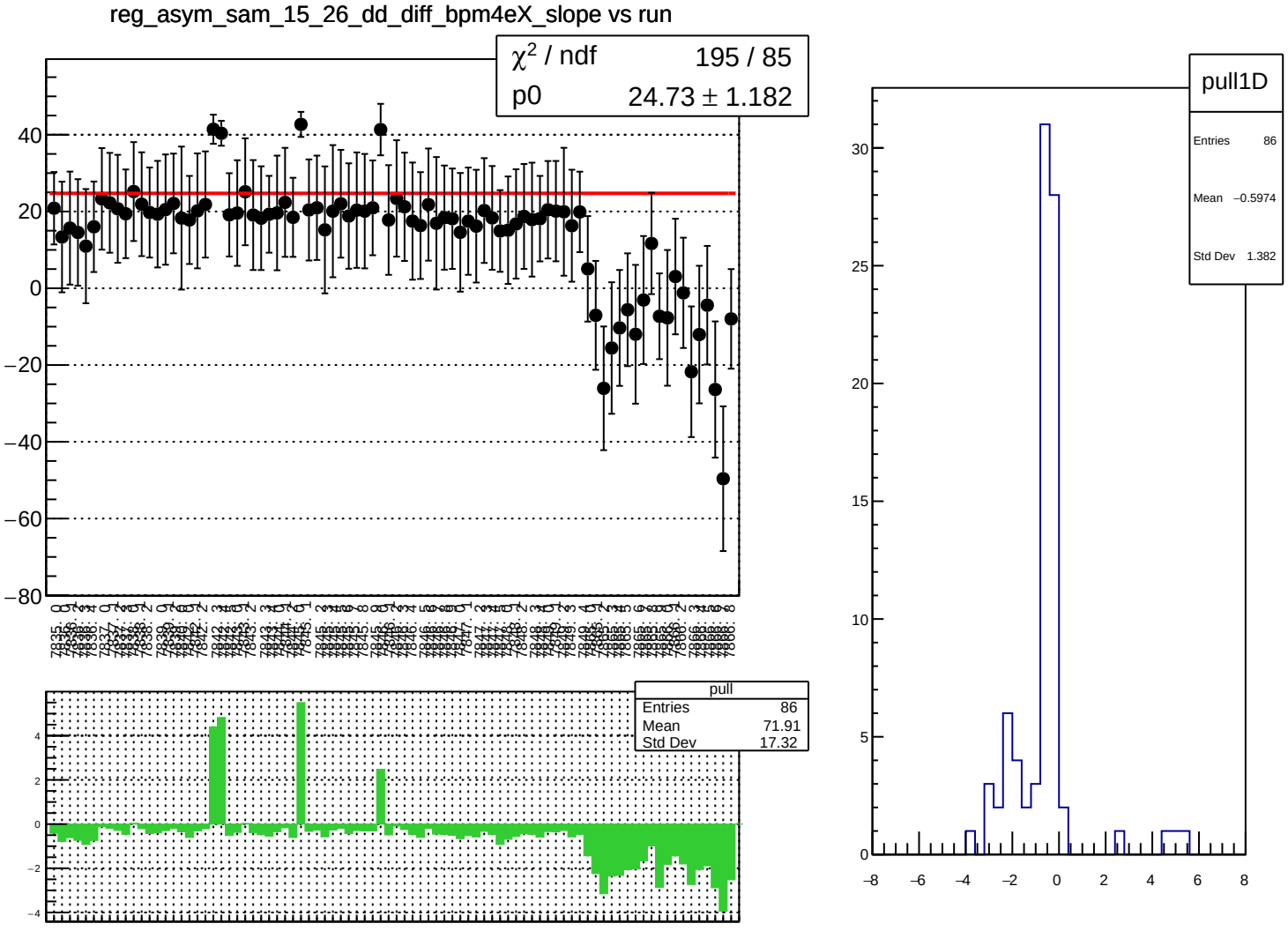

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 122.7 / 85
p0 −31.25 ± 0.7279
pull
Entries 86
Mean 106.2
Std Dev 37.74
pull1D
Entries 86
Mean 0.1172
Std Dev 1.189

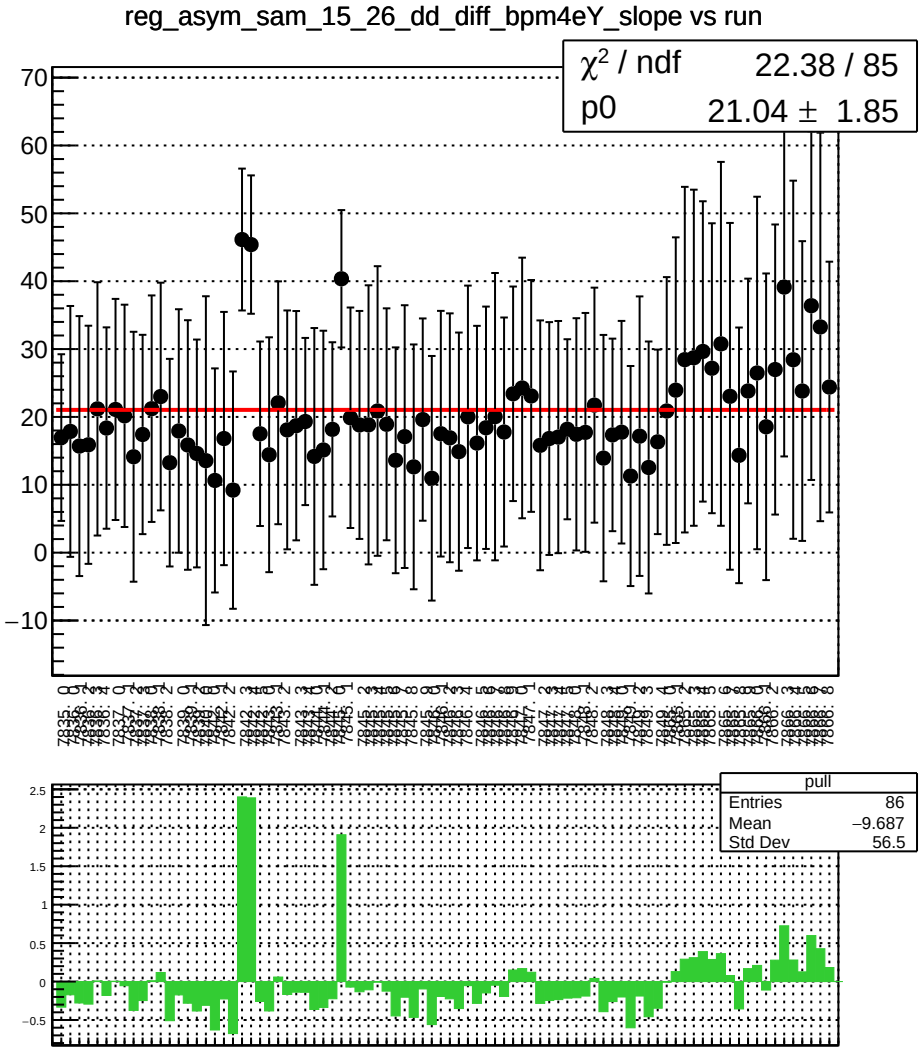

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 12.52 / 85
p0 0.5511± 0.02155
pull
Entries 86
Mean 247.5
Std Dev 197.3
pull1D
Entries 86
Mean 0.009276
Std Dev 0.3815

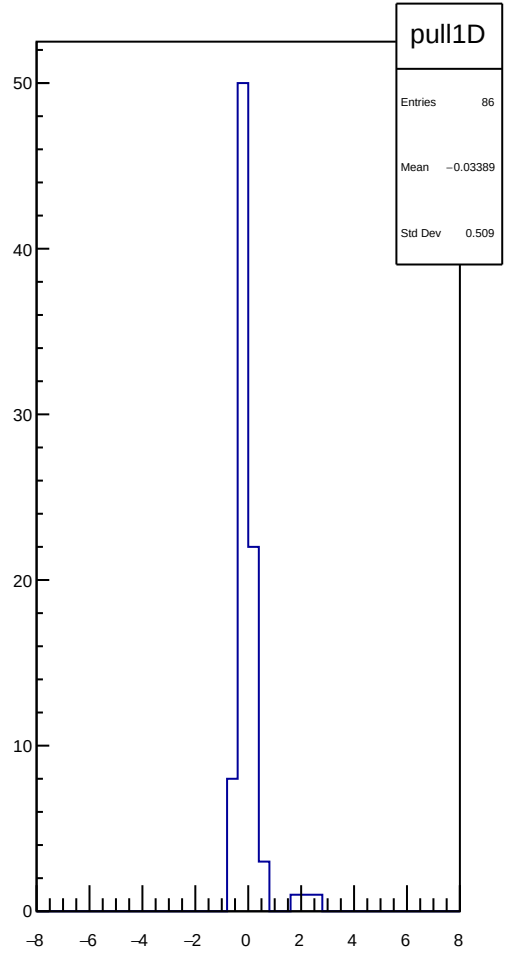

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 179.3 / 85
p0 14.48 ± 1.354
pull
Entries 86
Mean 77.9
Std Dev 6.196
pull1D
Entries 86
Mean 0.5028
Std Dev 1.353

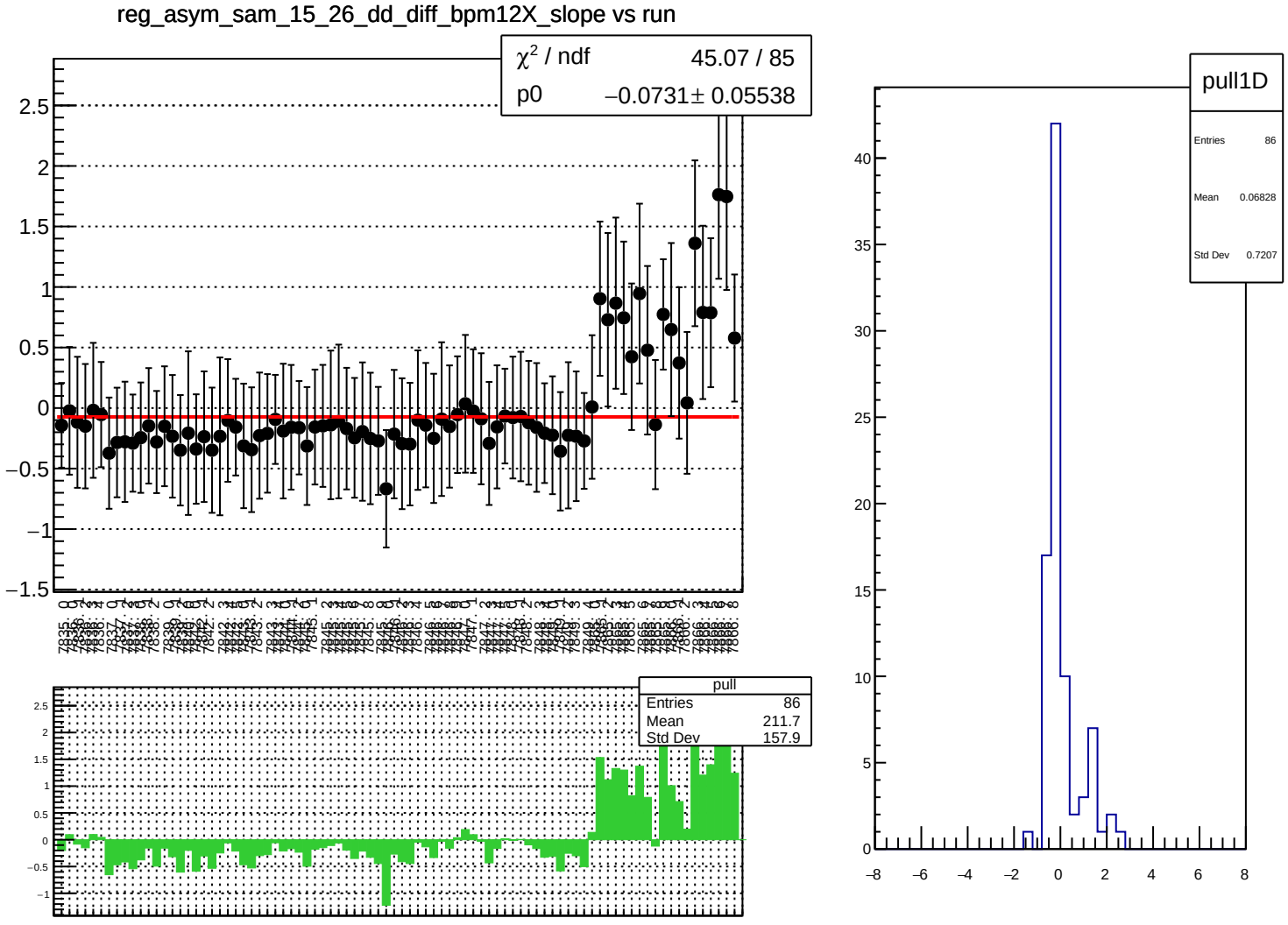

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 35.72 / 85
p0 21.51 ± 1.603
pull
Entries 86
Mean 25.94
Std Dev 10.79

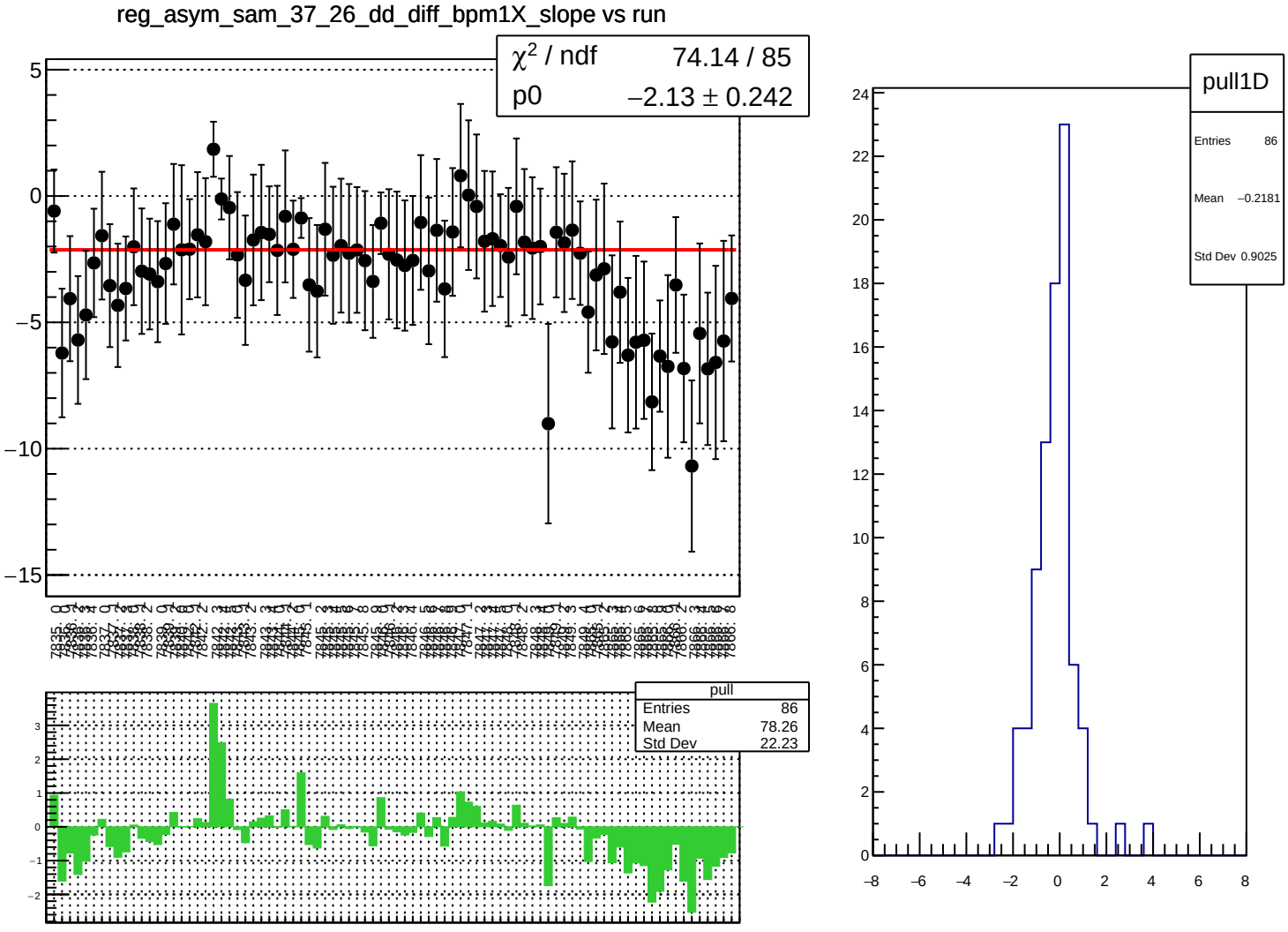

pull1D
Entries 86
Mean 0.08718
Std Dev 0.6386

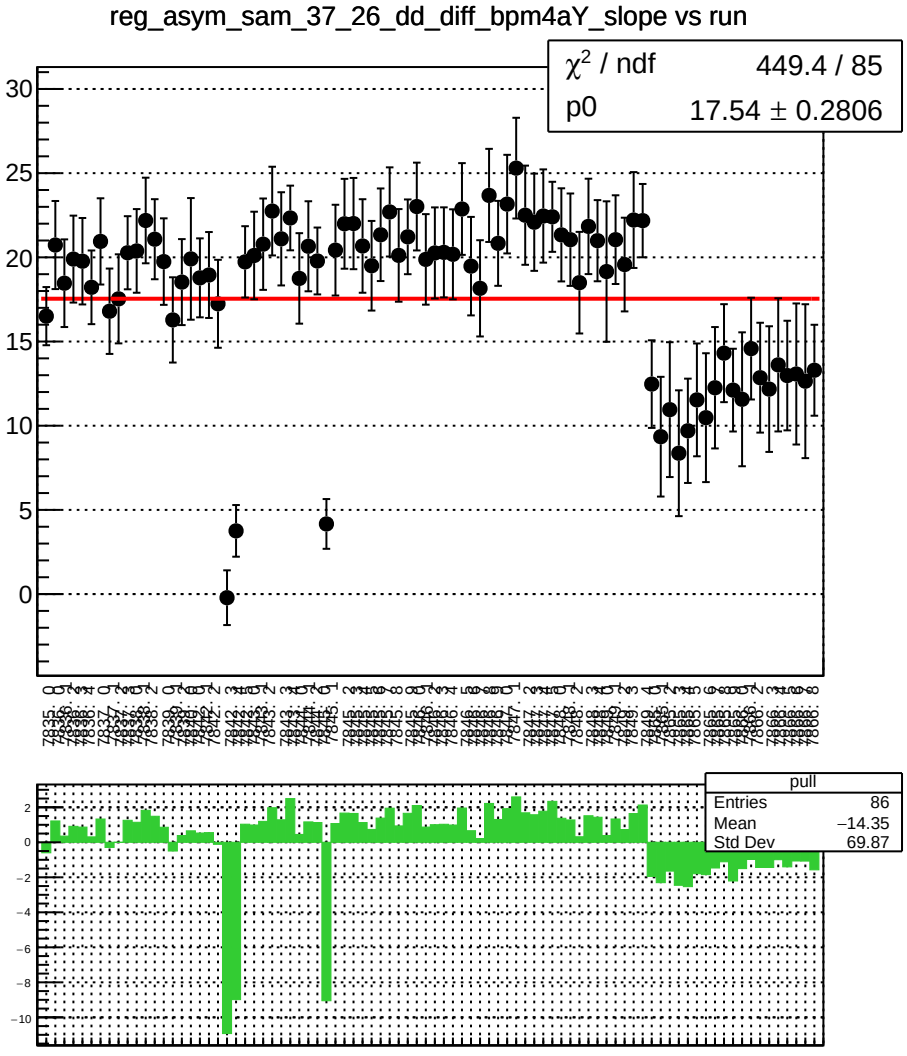

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 195 / 85
p0 24.73 ± 1.182
pull
Entries 86
Mean 71.91
Std Dev 17.32
pull1D
Entries 86
Mean −0.5974
Std Dev 1.382

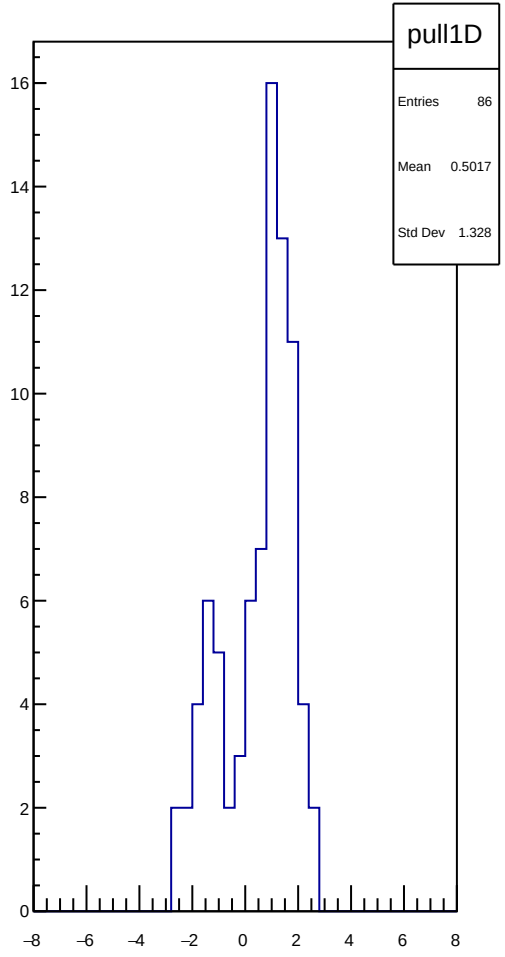

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 22.38 / 85
p0 21.04 ± 1.85
pull
Entries 86
Mean −9.687
Std Dev 56.5

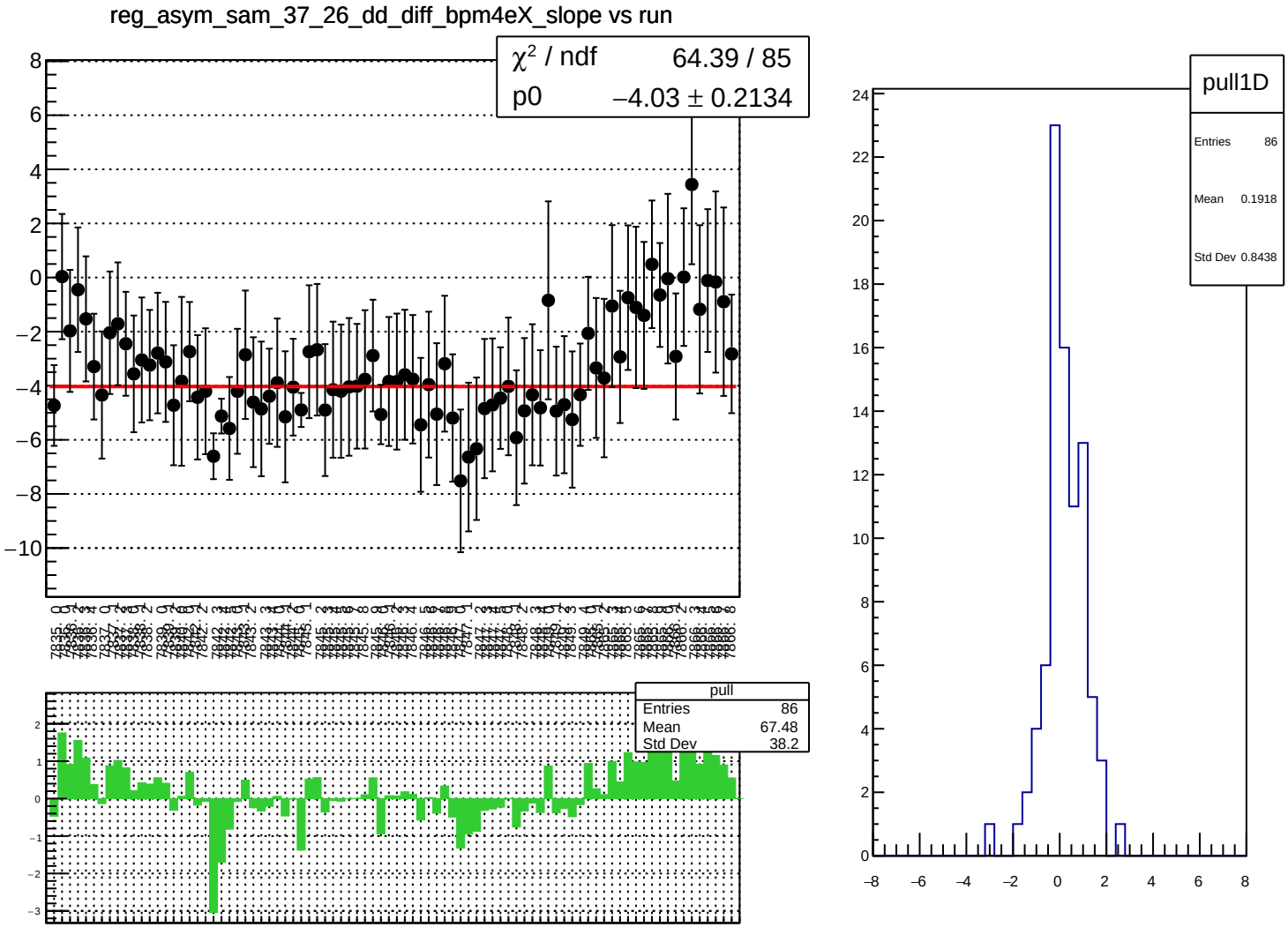

pull1D
Entries 86
Mean −0.03389
Std Dev 0.509

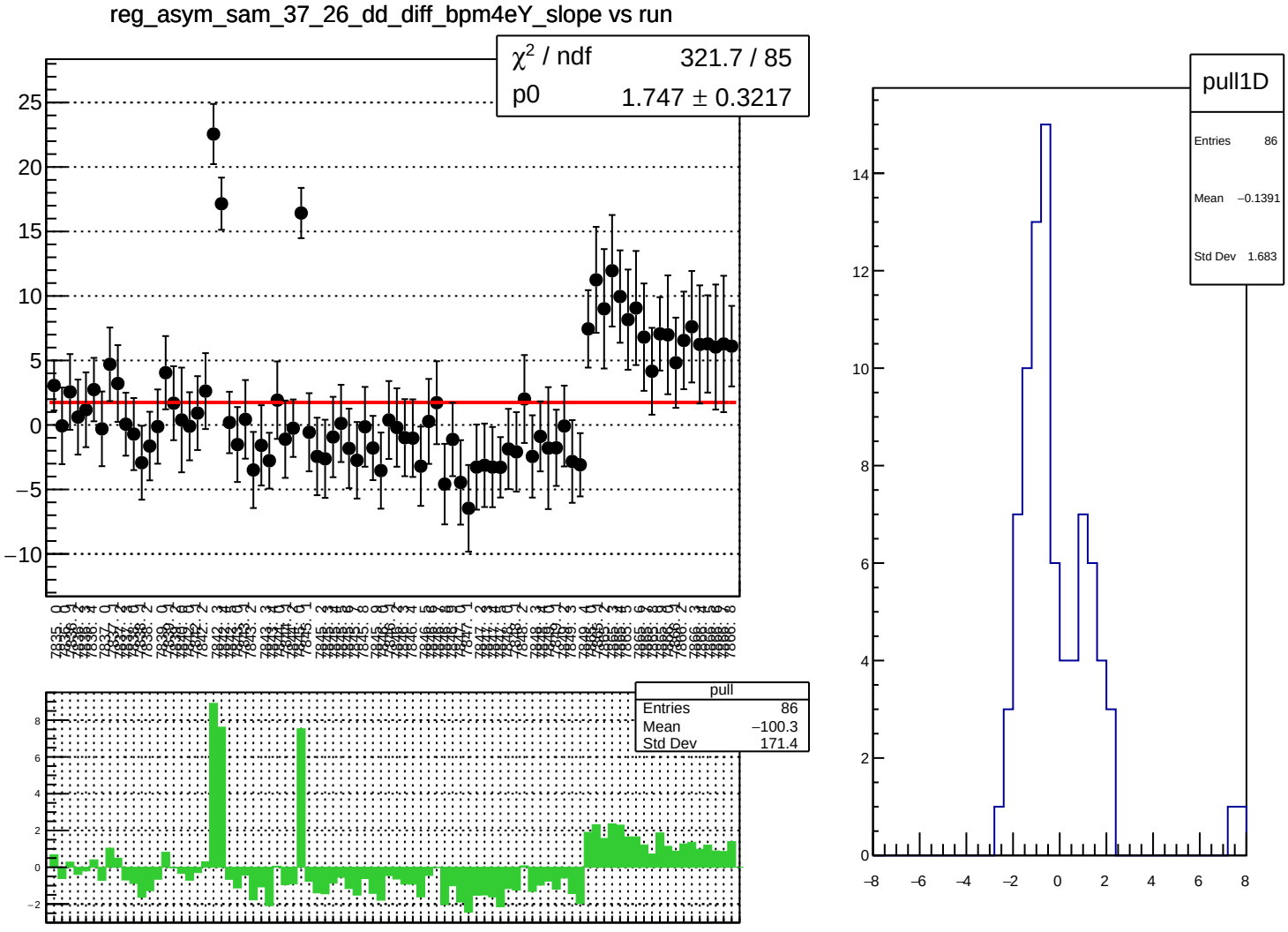

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ^2 / ndf 45.07 / 85
p0 −0.0731± 0.05538
pull
Entries 86
Mean 211.7
Std Dev 157.9
pull1D
Entries 86
Mean 0.06828
Std Dev 0.7207

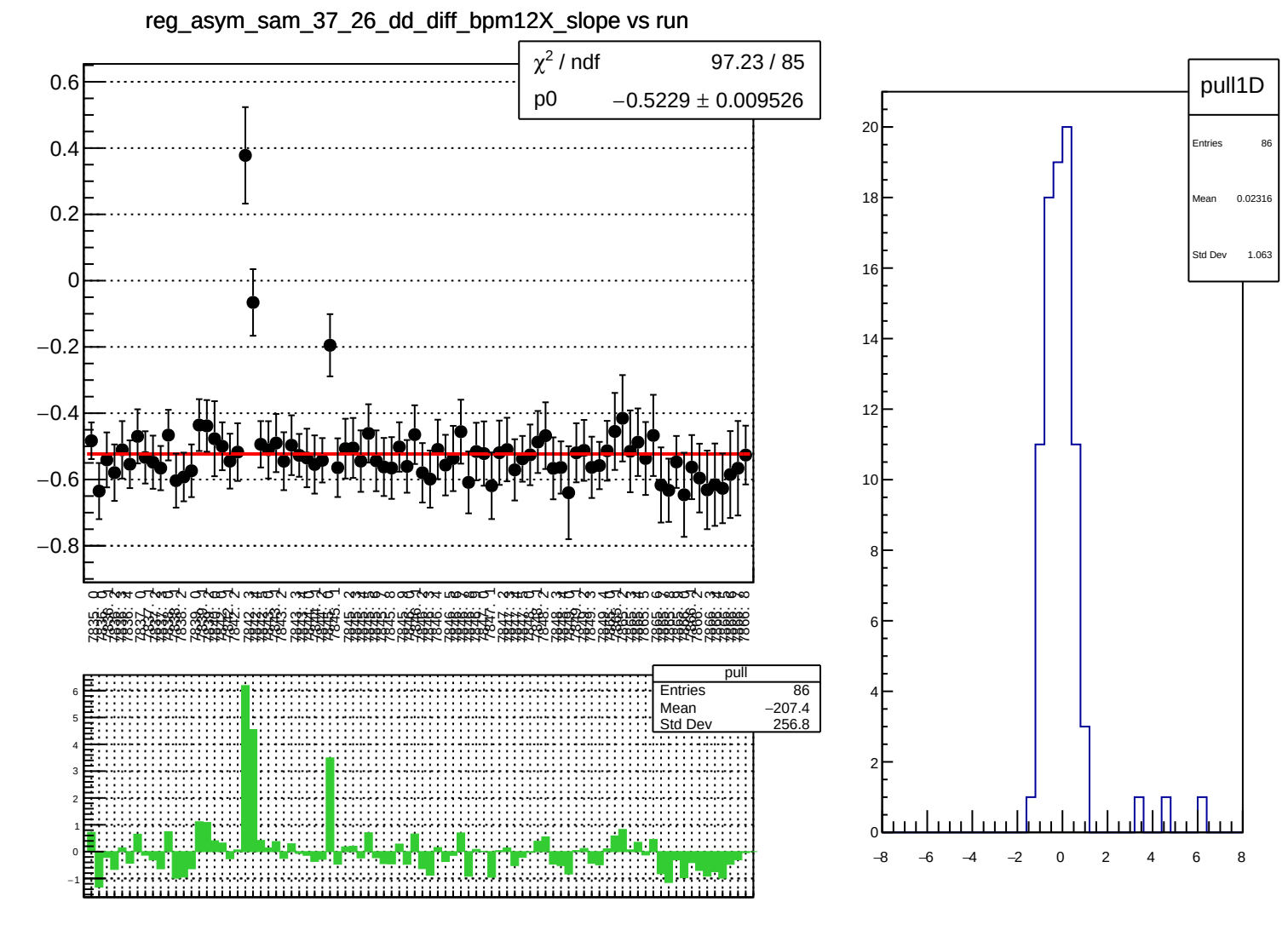

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 74.14 / 85
p0 −2.13 ± 0.242
pull
Entries 86
Mean 78.26
Std Dev 22.23
pull1D
Entries 86
Mean −0.2181
Std Dev 0.9025

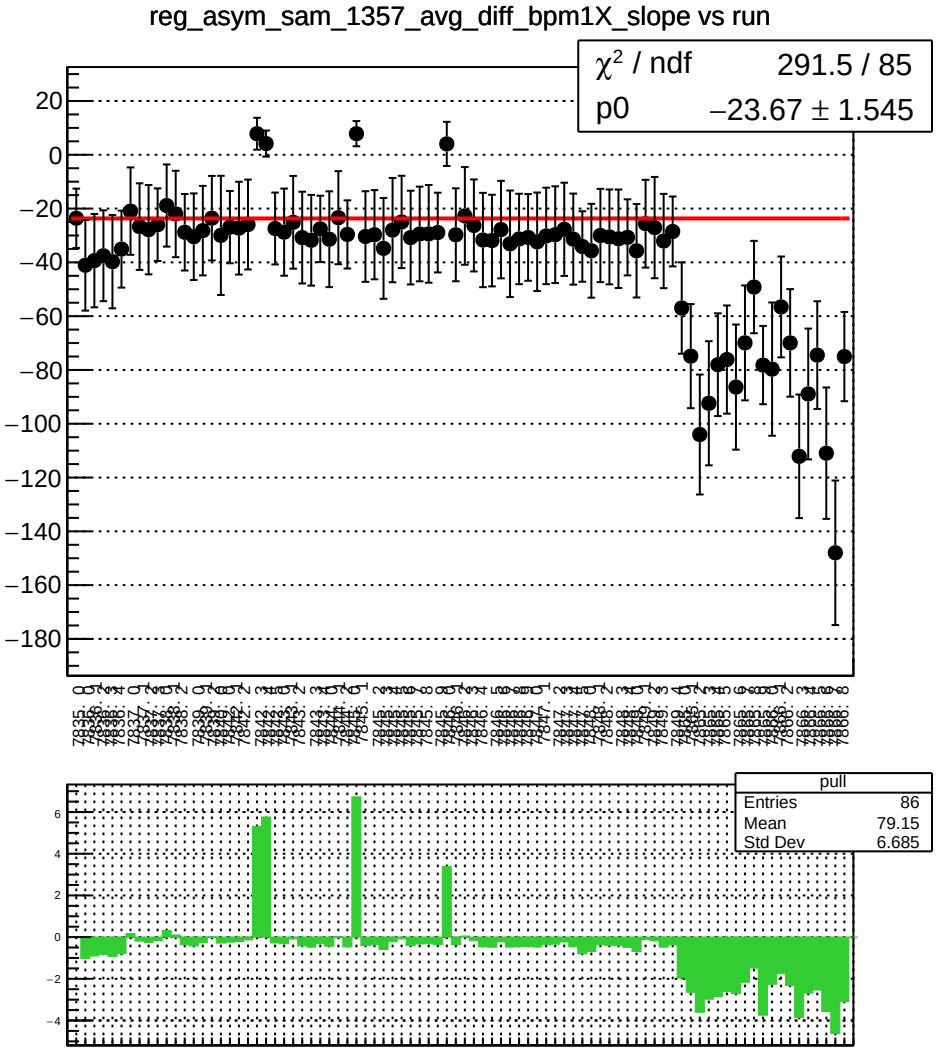

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 449.4 / 85
p0 17.54 ± 0.2806
pull
Entries 86
Mean −14.35
Std Dev 69.87

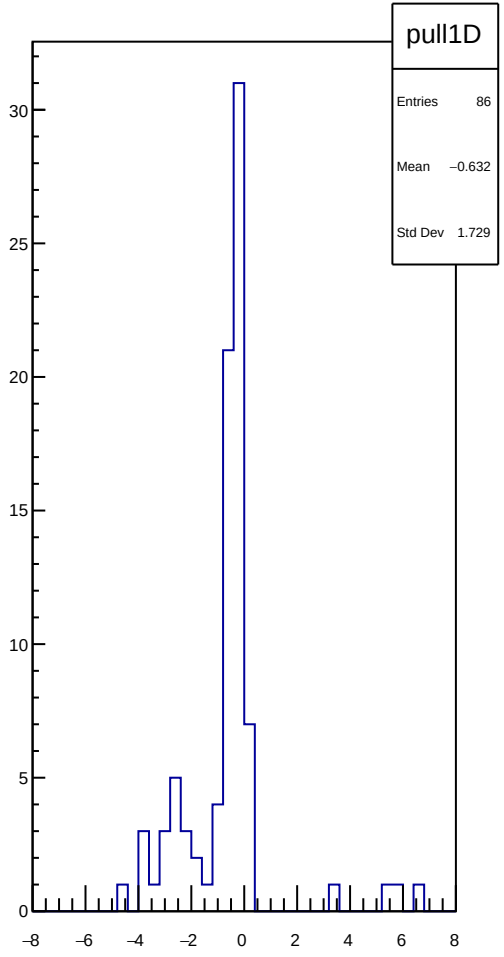

pull1D
Entries 86
Mean 0.5017
Std Dev 1.328

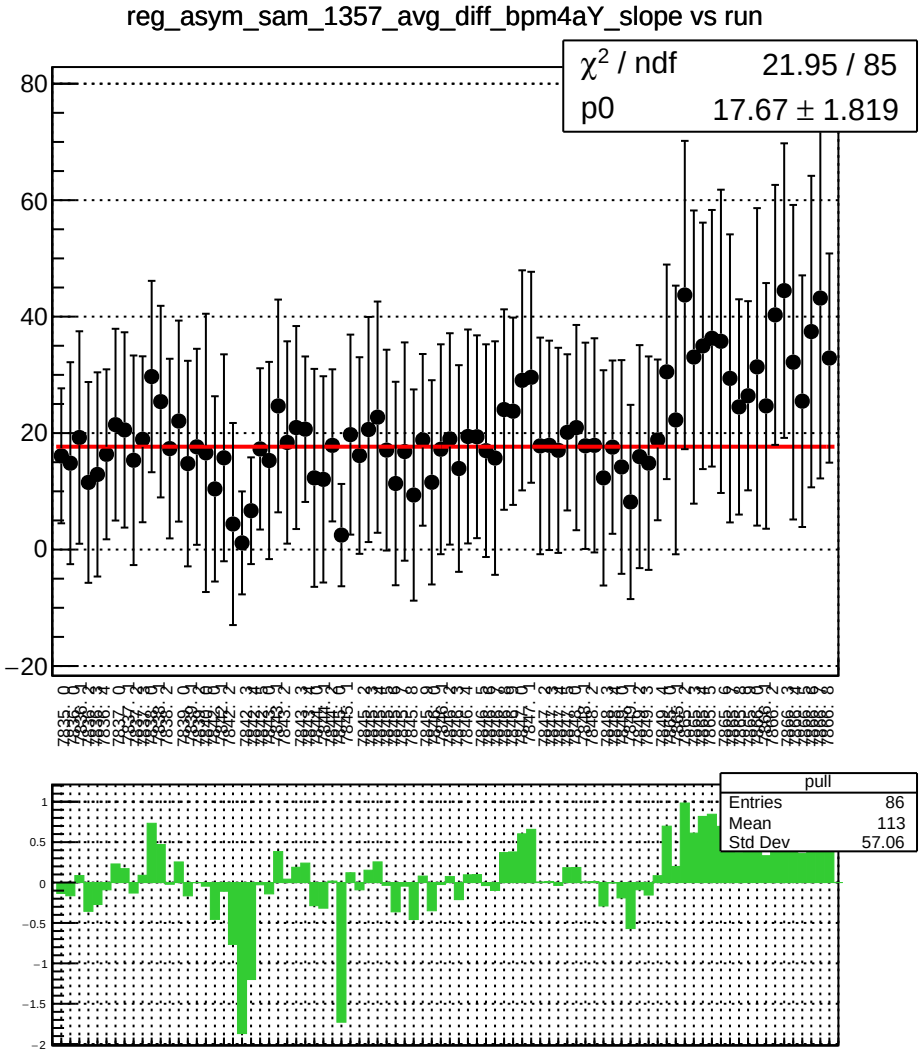

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 64.39 / 85
p0 −4.03 ± 0.2134
pull
Entries 86
Mean 67.48
Std Dev 38.2
pull1D
Entries 86
Mean 0.1918
Std Dev 0.8438

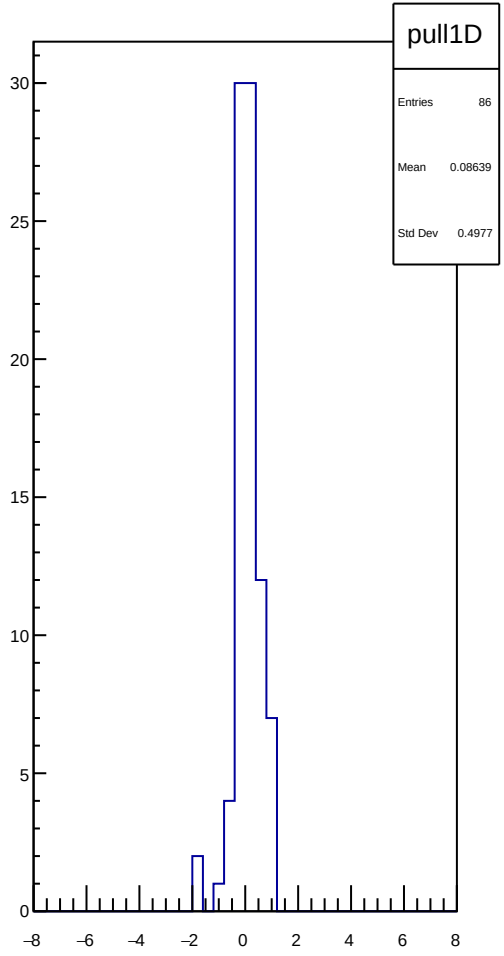

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 321.7 / 85
p0 1.747 ± 0.3217
pull
Entries 86
Mean −100.3
Std Dev 171.4
pull1D
Entries 86
Mean −0.1391
Std Dev 1.683

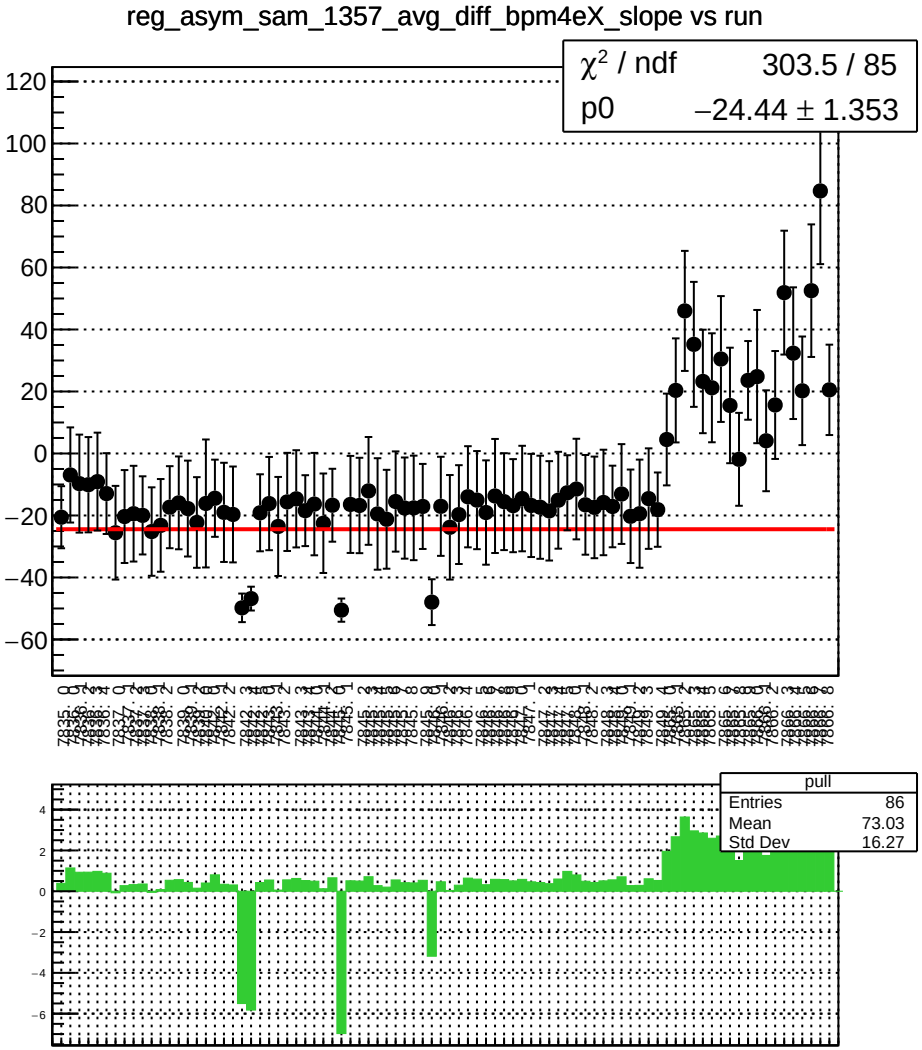

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 97.23 / 85
p0 −0.5229 ± 0.009526
pull
Entries 86
Mean −207.4
Std Dev 256.8
pull1D
Entries 86
Mean 0.02316
Std Dev 1.063

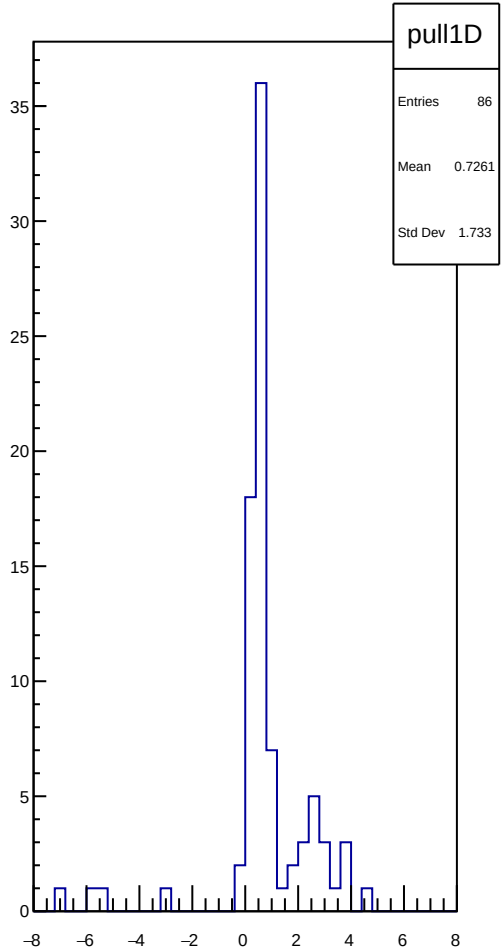

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 291.5 / 85
p0 −23.67 ± 1.545
pull
Entries 86
Mean 79.15
Std Dev 6.685

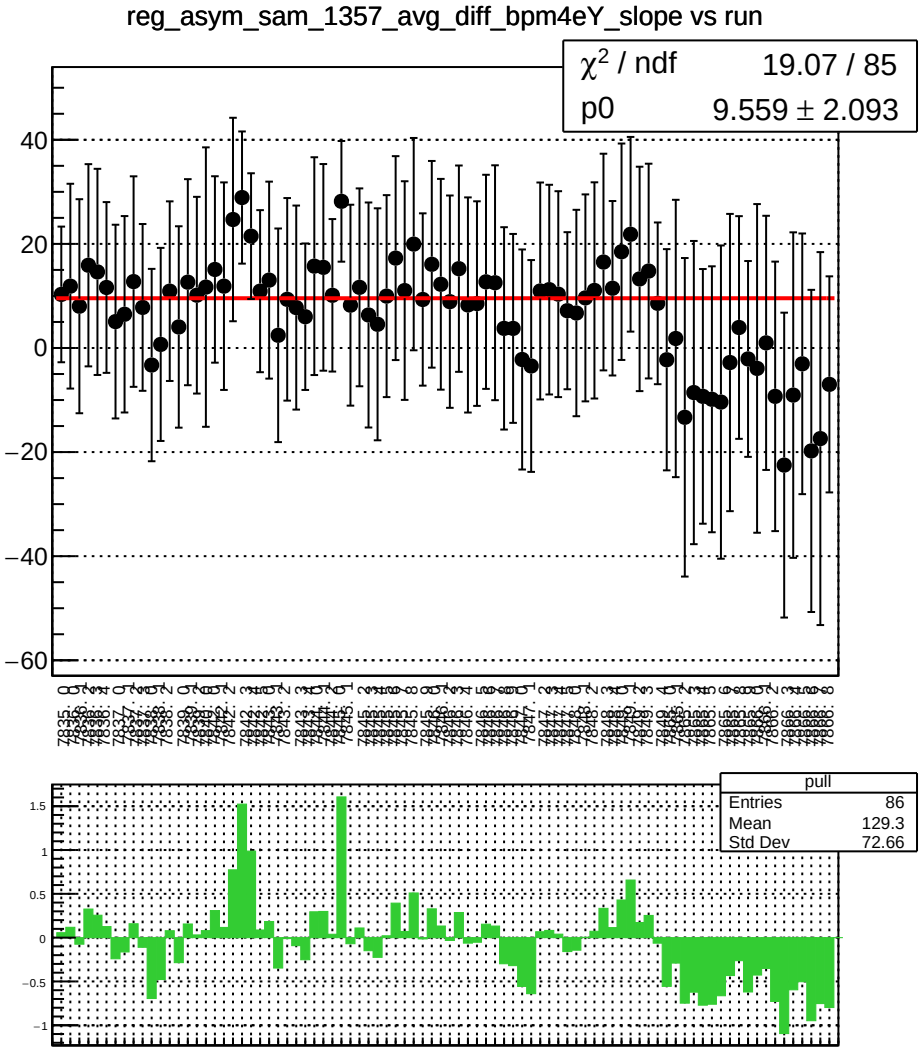

pull1D
Entries 86
Mean −0.632
Std Dev 1.729

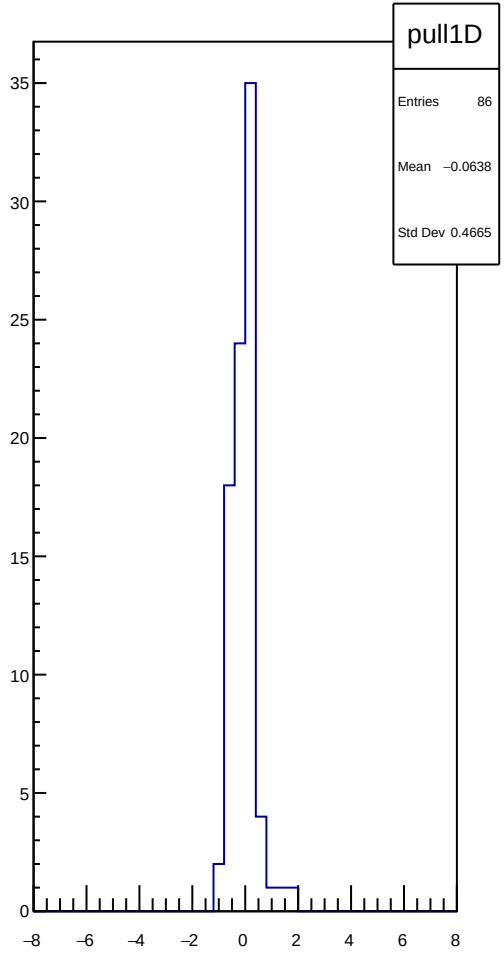

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 21.95 / 85
p0 17.67 ± 1.819
pull
Entries 86
Mean 113
Std Dev 57.06

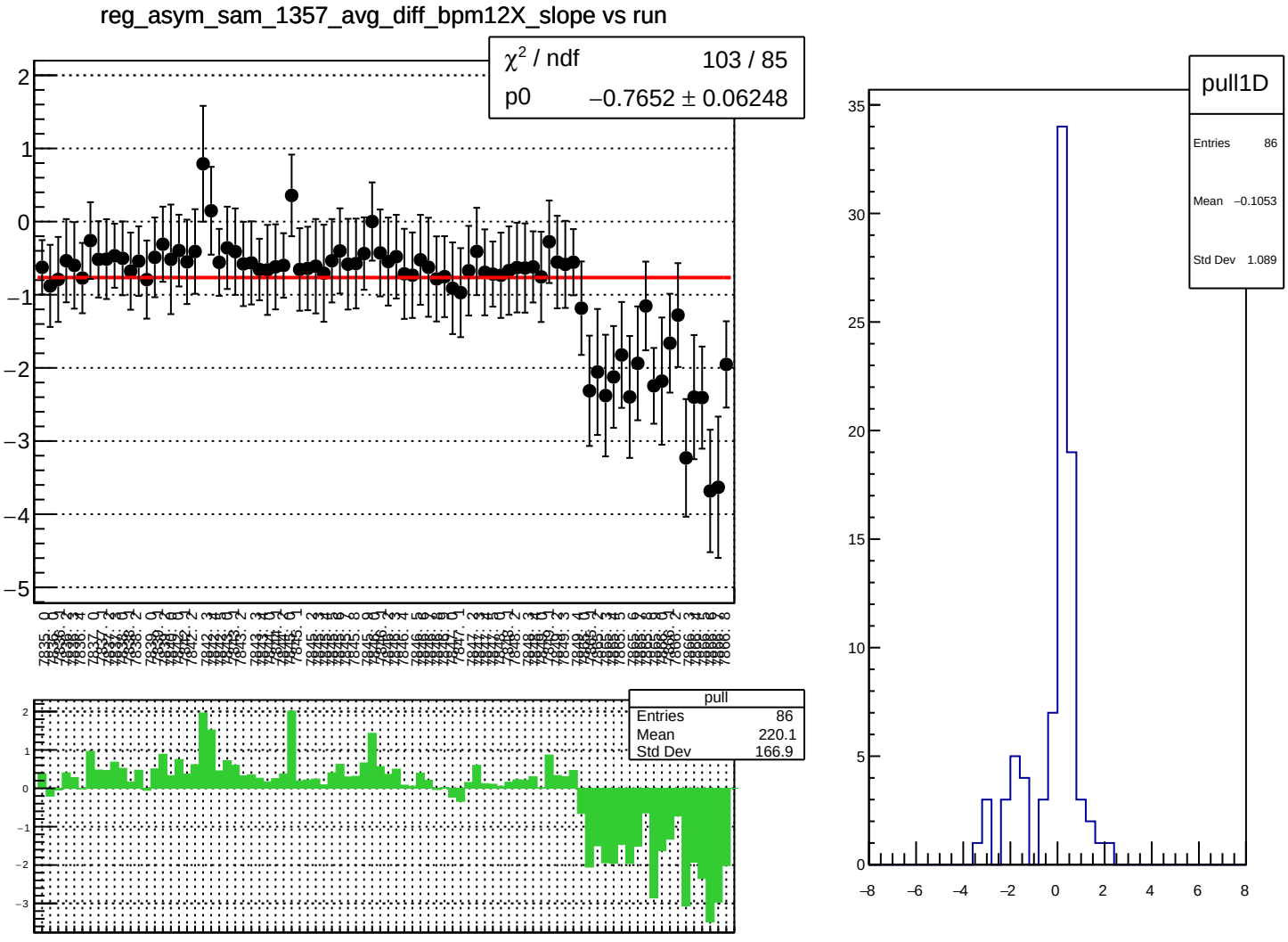

pull1D
Entries 86
Mean 0.08639
Std Dev 0.4977

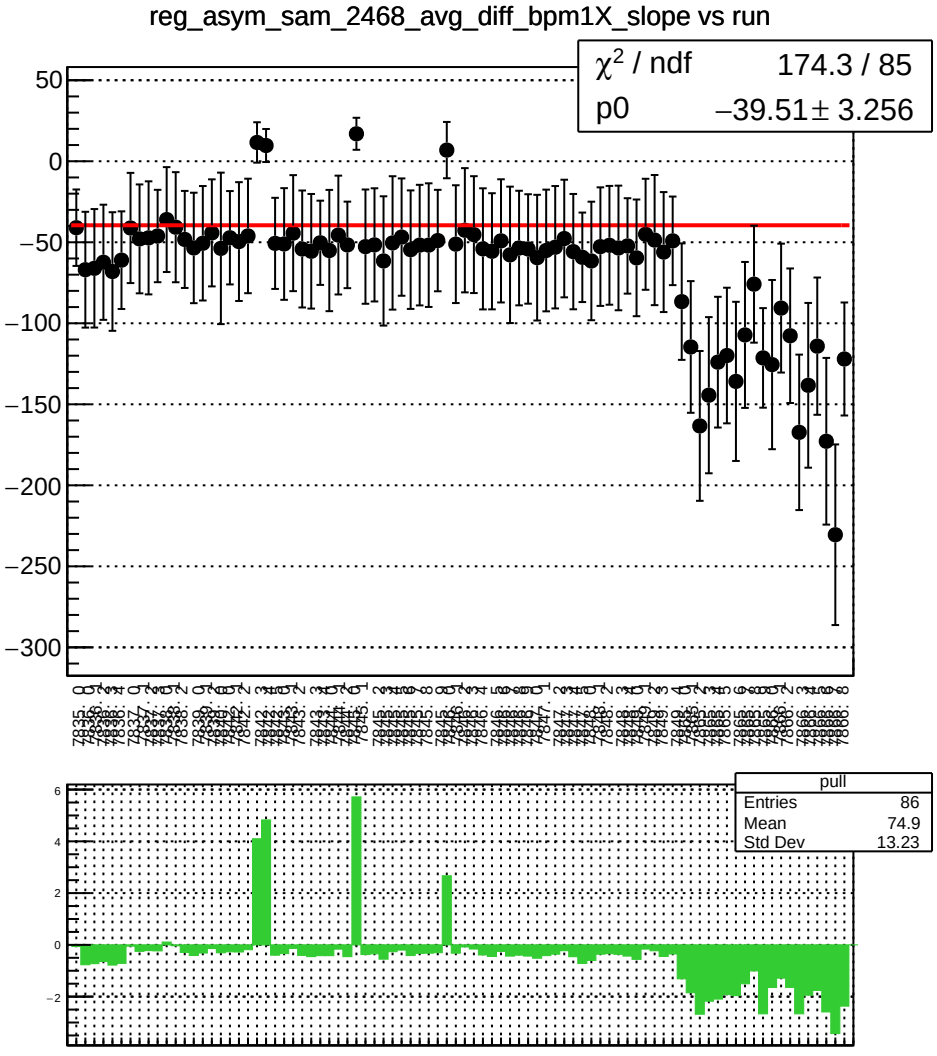

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 303.5 / 85
p0 −24.44 ± 1.353
pull
Entries 86
Mean 73.03
Std Dev 16.27

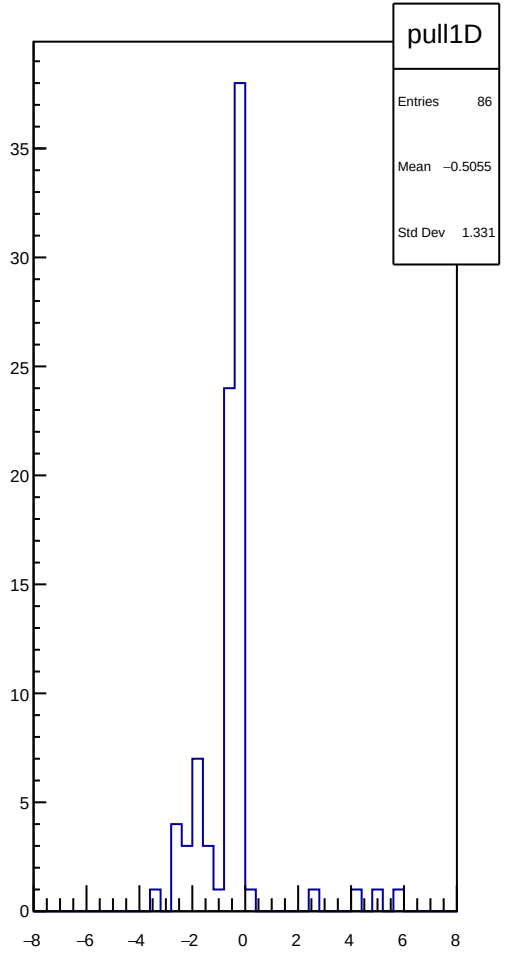

pull1D
Entries 86
Mean 0.7261
Std Dev 1.733

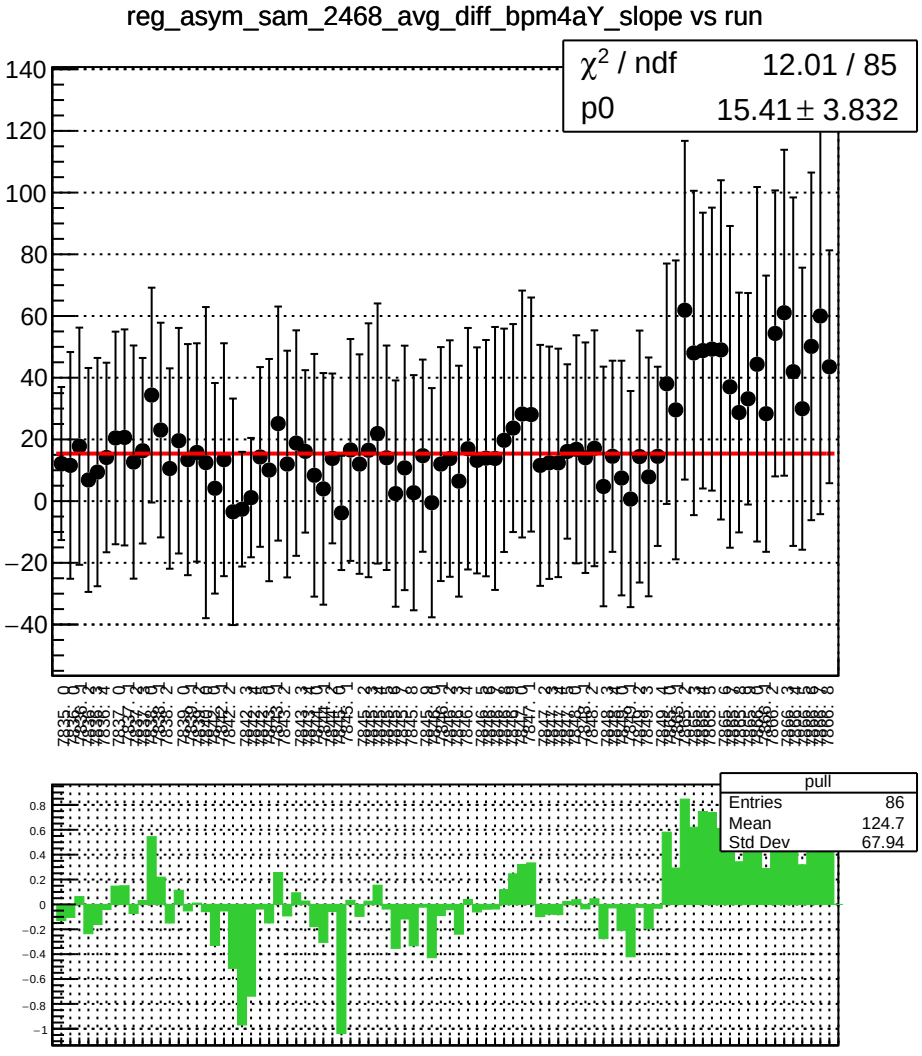

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 19.07 / 85
p0 9.559 ± 2.093
pull
Entries 86
Mean 129.3
Std Dev 72.66

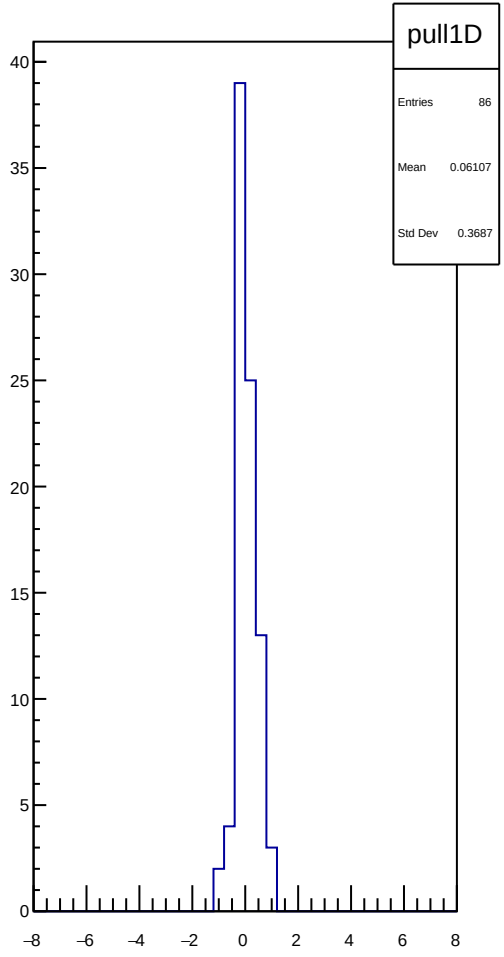

pull1D
Entries 86
Mean −0.0638
Std Dev 0.4665

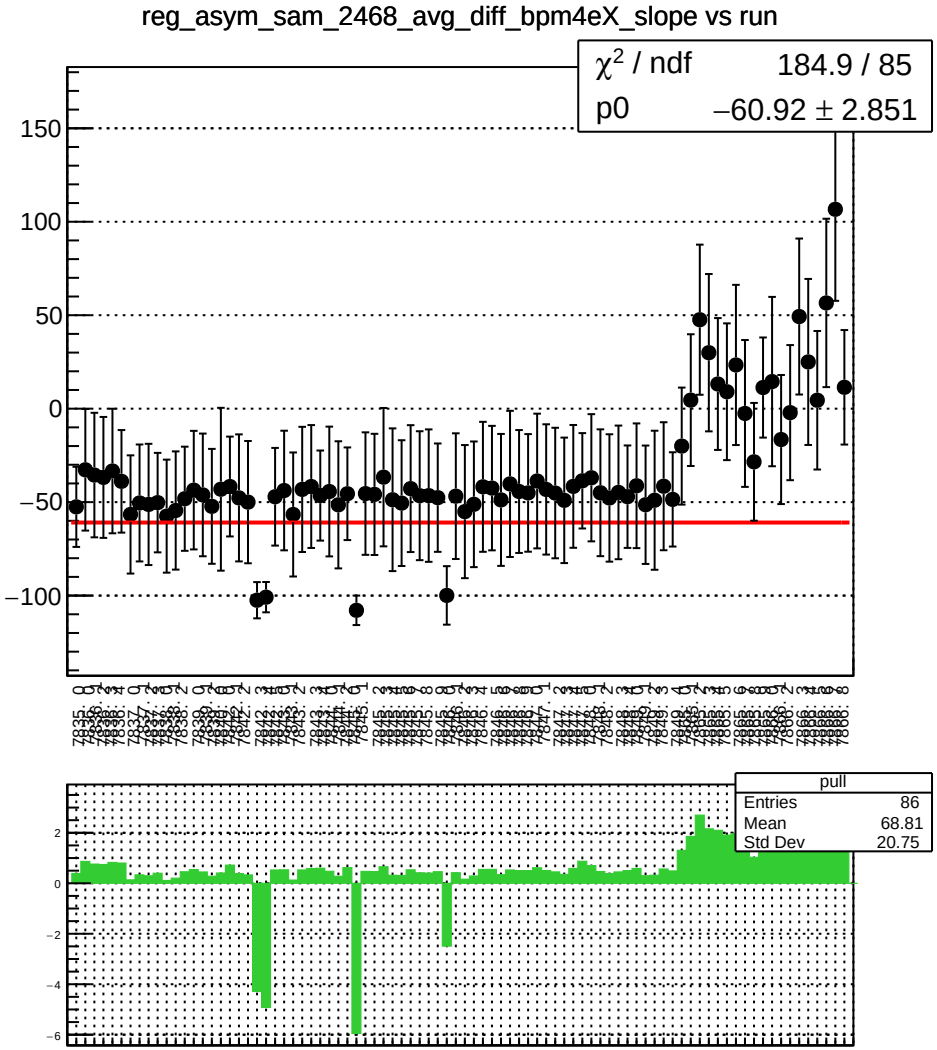

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 103 / 85
p0 −0.7652 ± 0.06248
pull
Entries 86
Mean 220.1
Std Dev 166.9
pull1D
Entries 86
Mean −0.1053
Std Dev 1.089

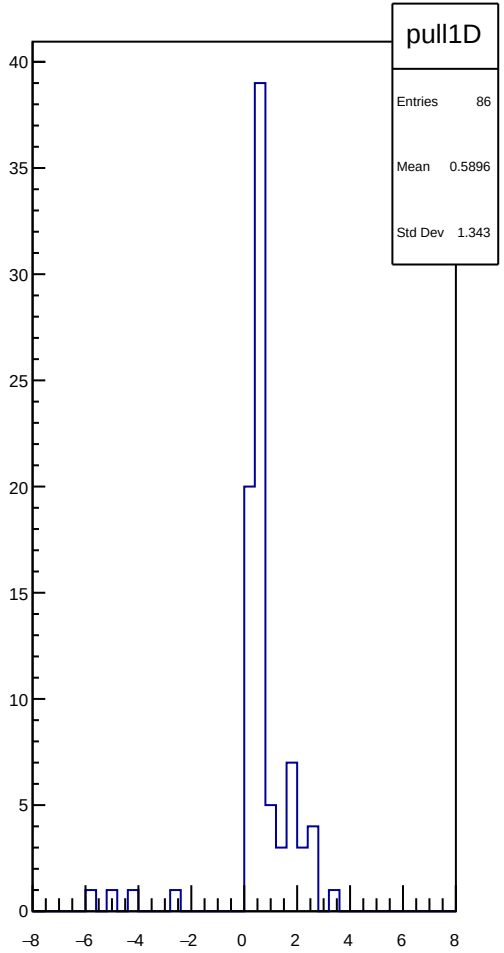

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ^2 / ndf 174.3 / 85
p0 −39.51 ± 3.256
pull
Entries 86
Mean 74.9
Std Dev 13.23

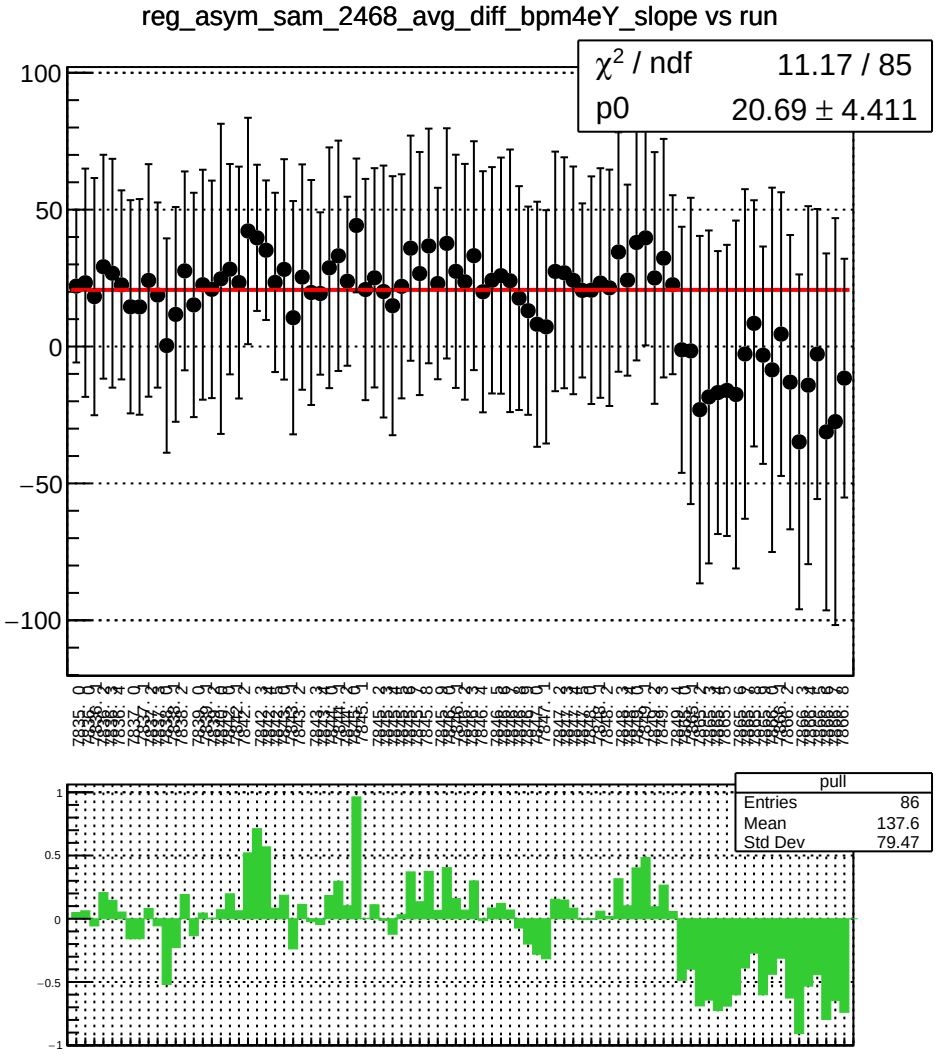

pull1D
Entries 86
Mean −0.5055
Std Dev 1.331

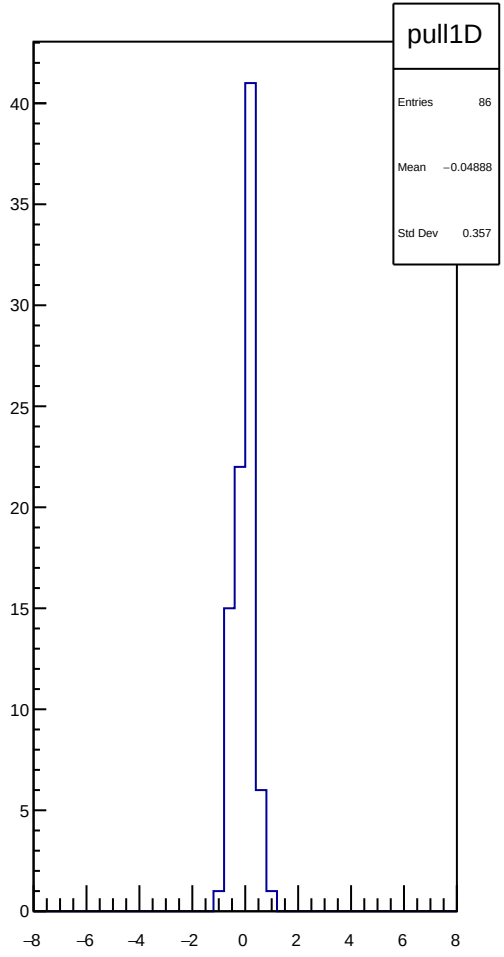

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.01 / 85
p0 15.41 ± 3.832
pull
Entries 86
Mean 124.7
Std Dev 67.94

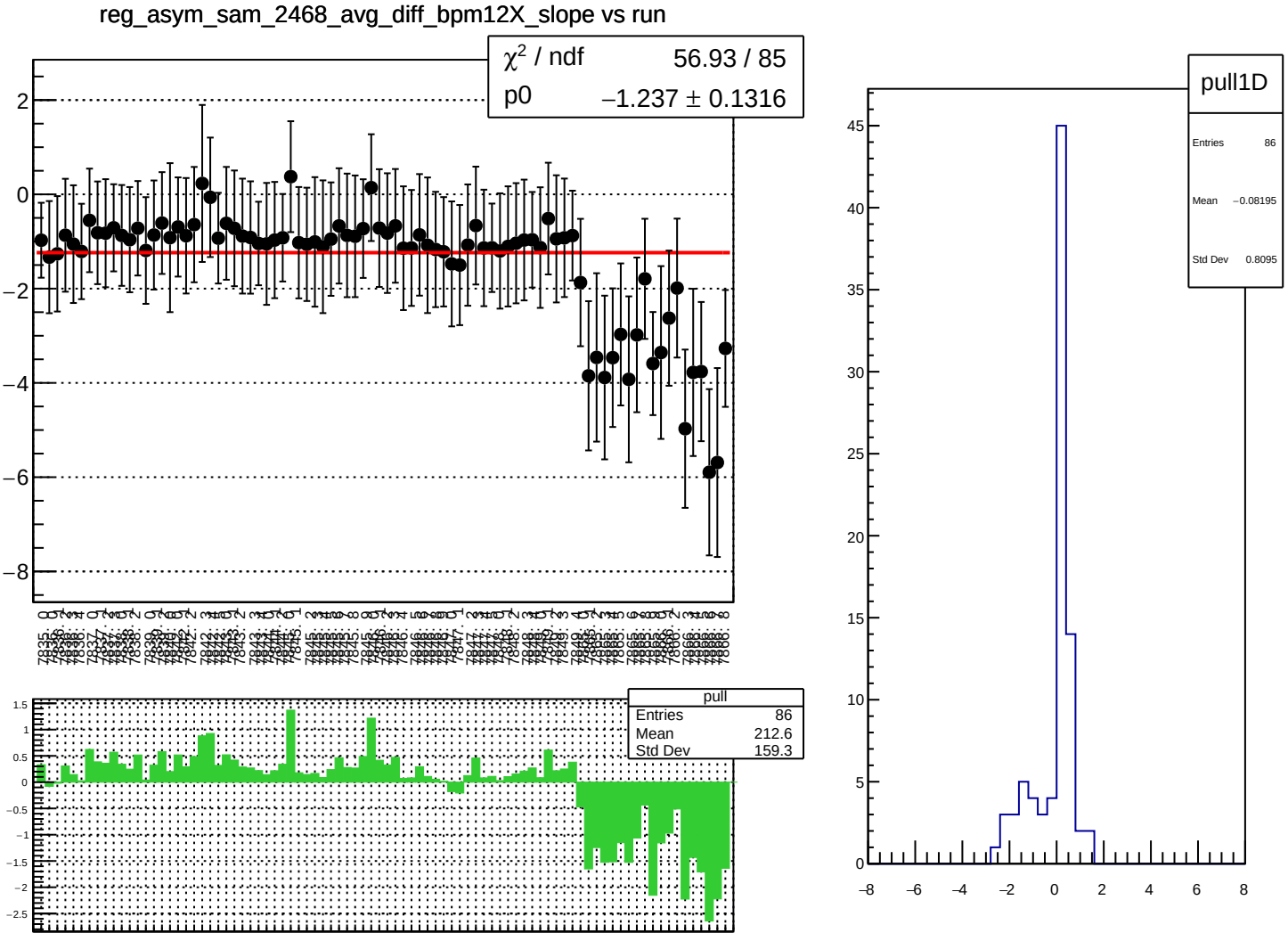

pull1D
Entries 86
Mean 0.06107
Std Dev 0.3687

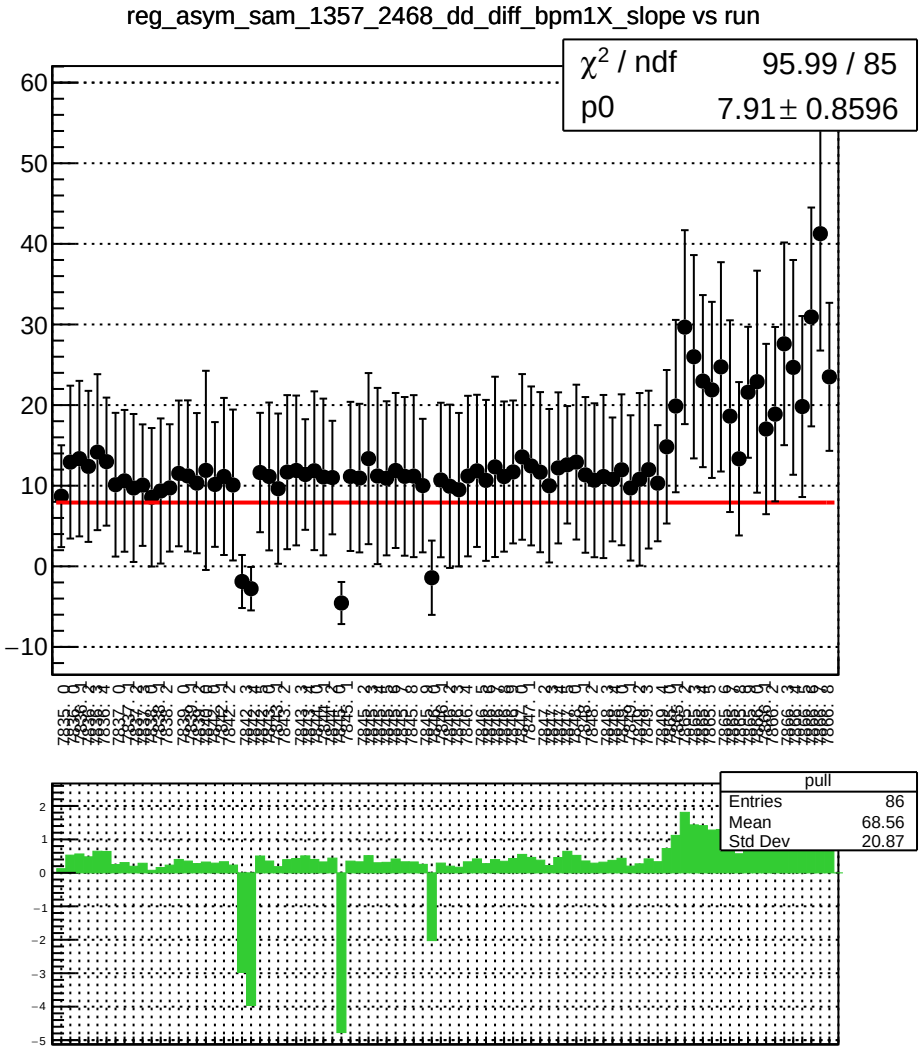

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 184.9 / 85
p0 −60.92 ± 2.851
150
100
50
0
−50
−100
pull
Entries 86
Mean 68.81
Std Dev 20.75
2
0
−2
−4
−6

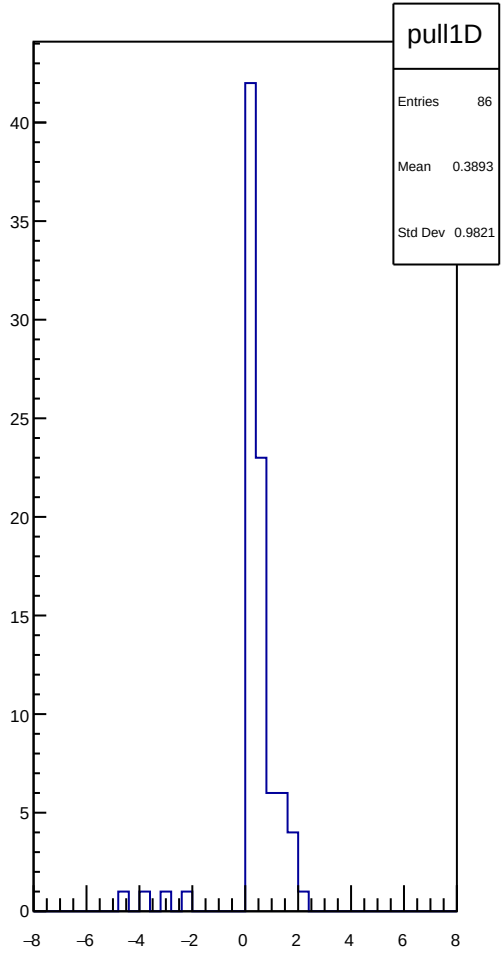

pull1D
Entries 86
Mean 0.5896
Std Dev 1.343
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

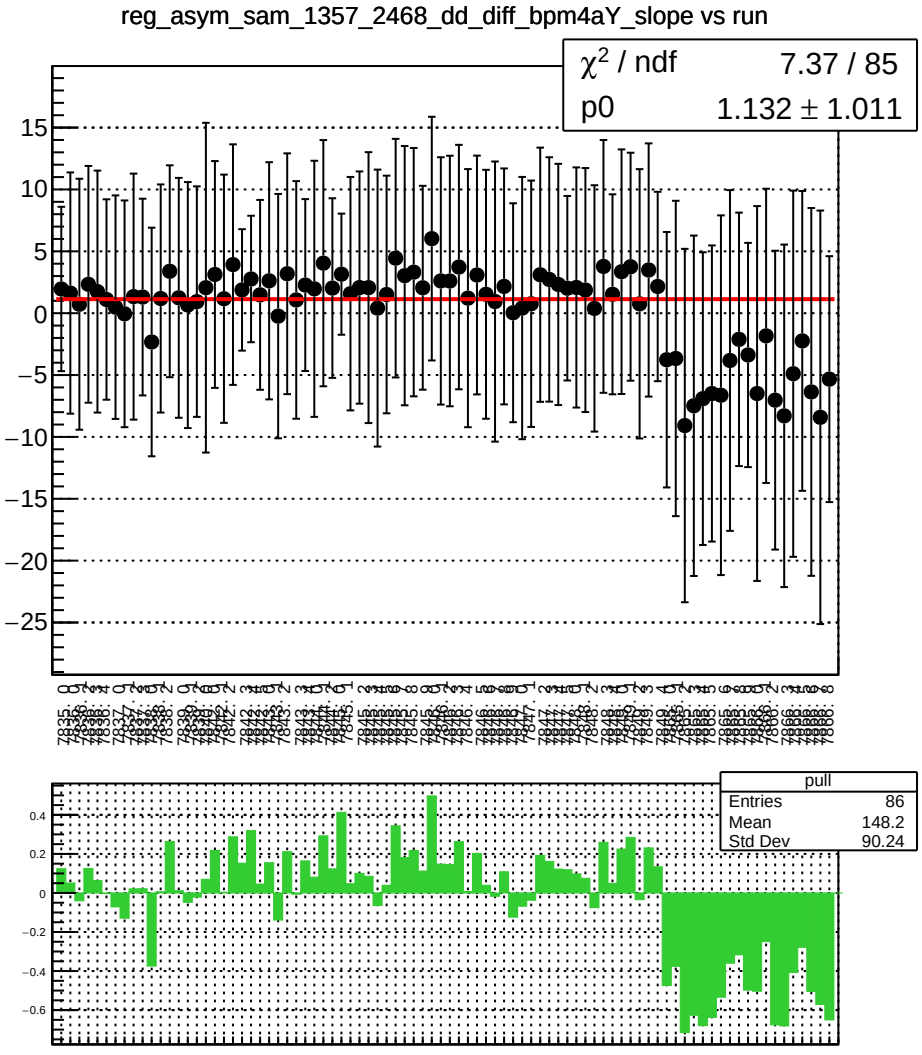

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 11.17 / 85
p0 20.69 ± 4.411
pull
Entries 86
Mean 137.6
Std Dev 79.47

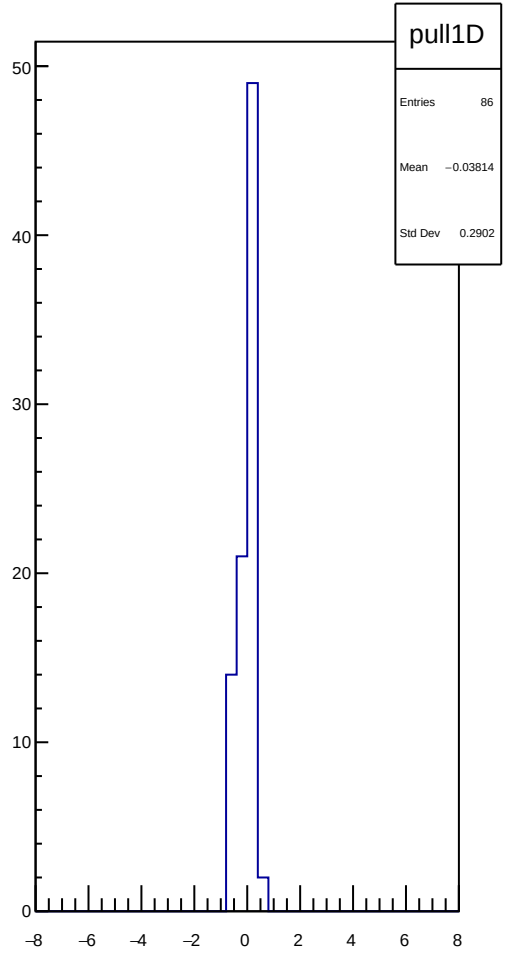

pull1D
Entries 86
Mean −0.04888
Std Dev 0.357

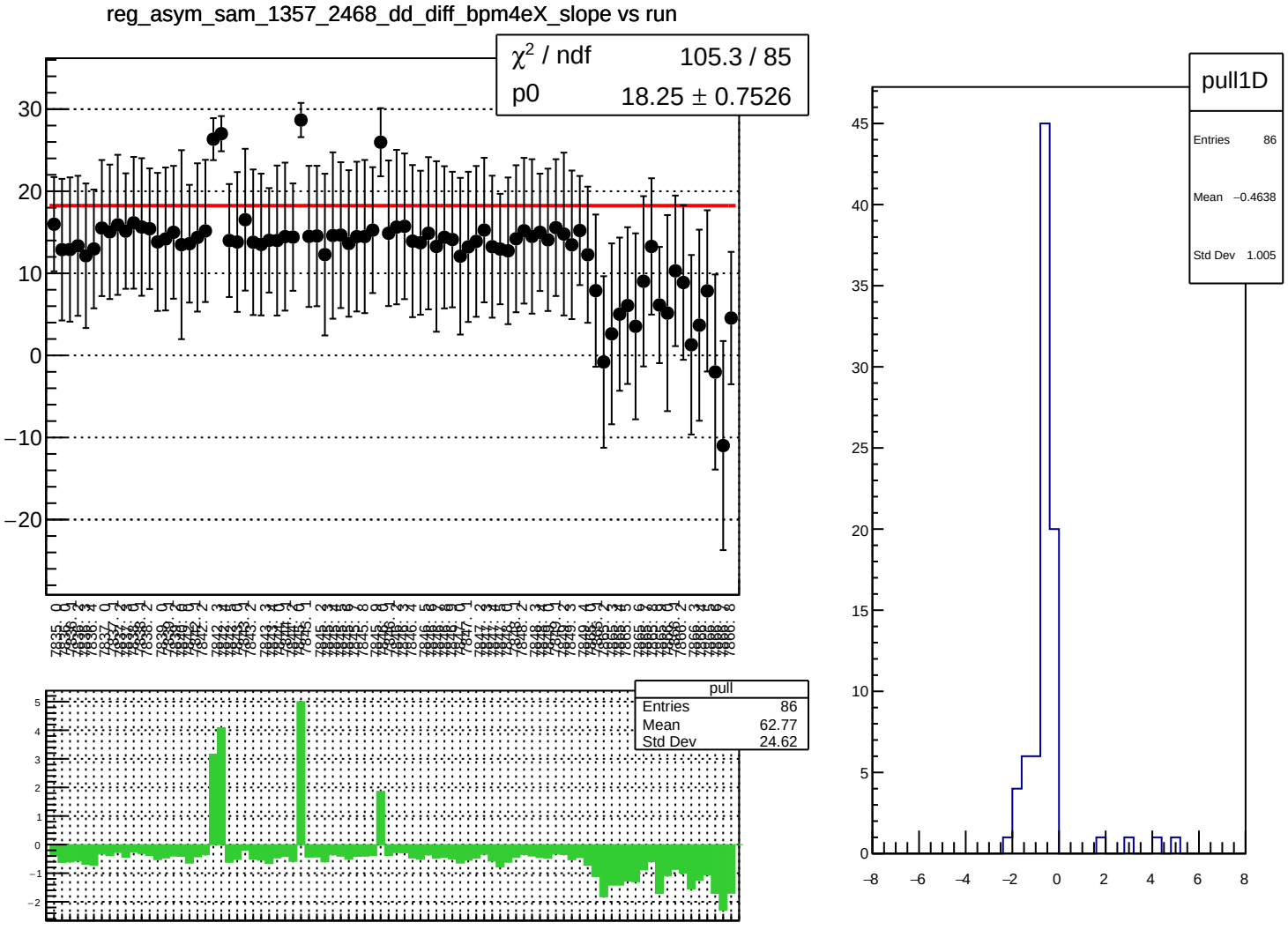

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 56.93 / 85
p0 −1.237 ± 0.1316
pull
Entries 86
Mean 212.6
Std Dev 159.3
pull1D
Entries 86
Mean −0.08195
Std Dev 0.8095

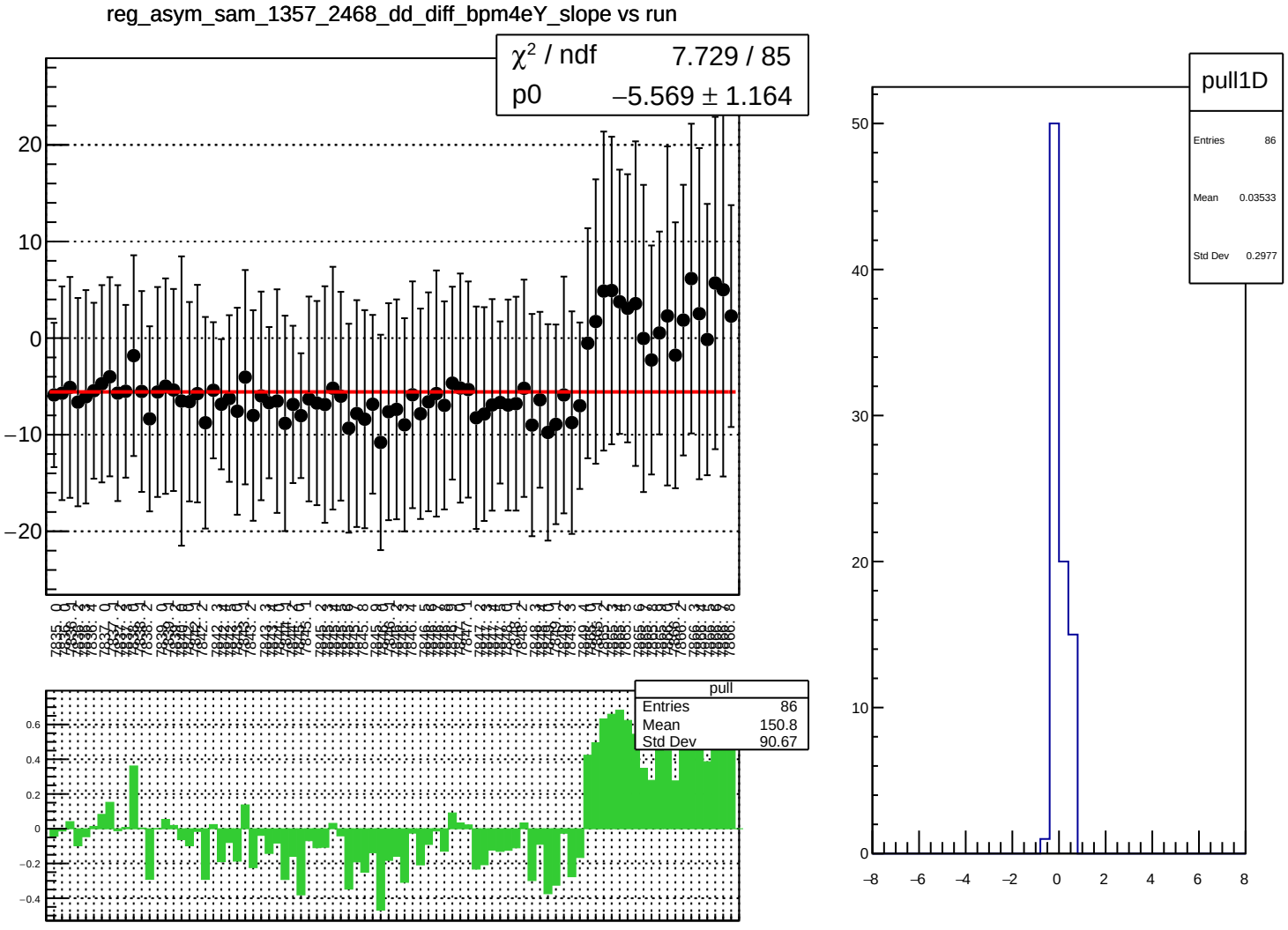

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 95.99 / 85
p0 7.91 ± 0.8596
pull
Entries 86
Mean 68.56
Std Dev 20.87

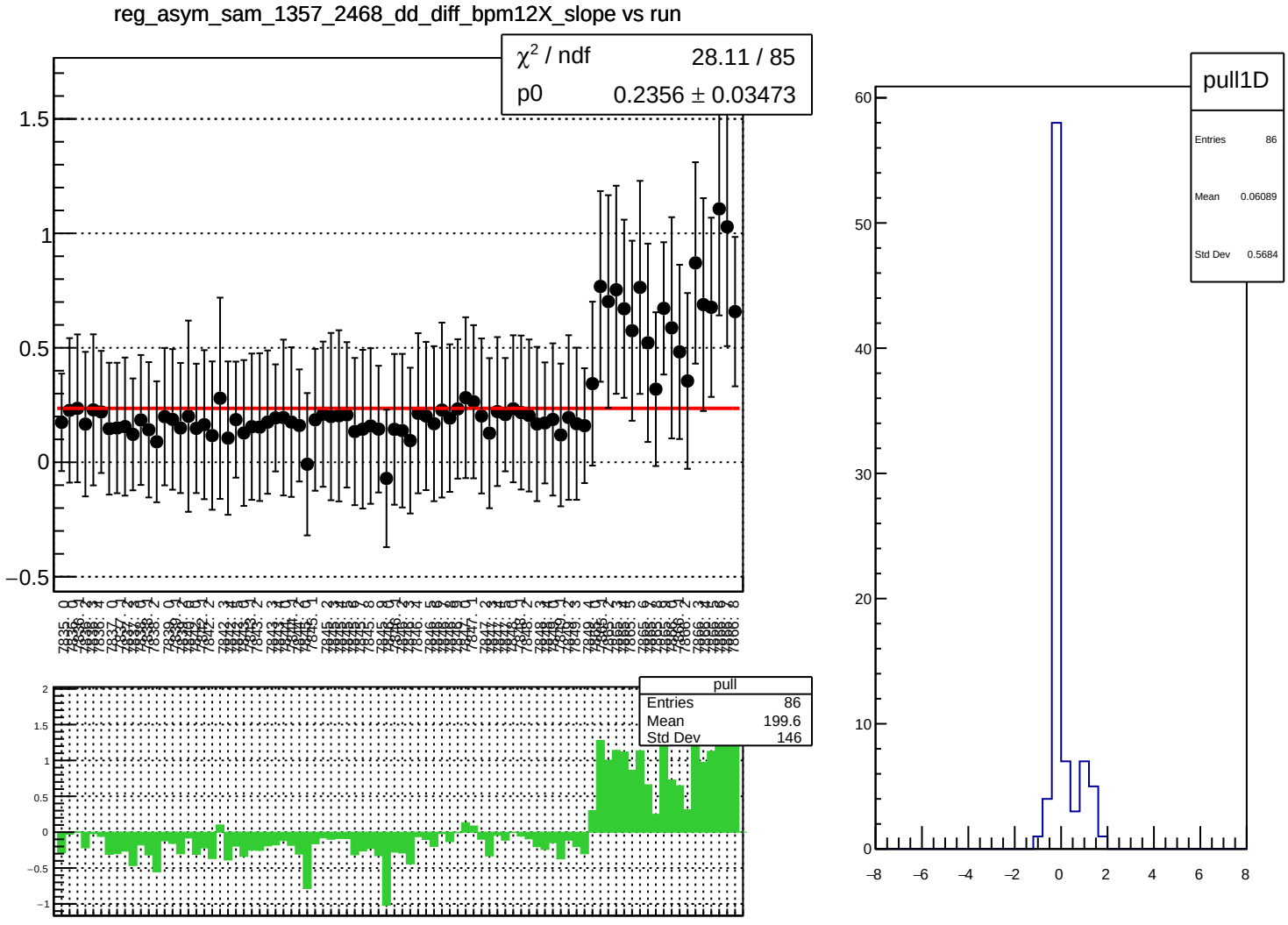

pull1D
Entries 86
Mean 0.3893
Std Dev 0.9821

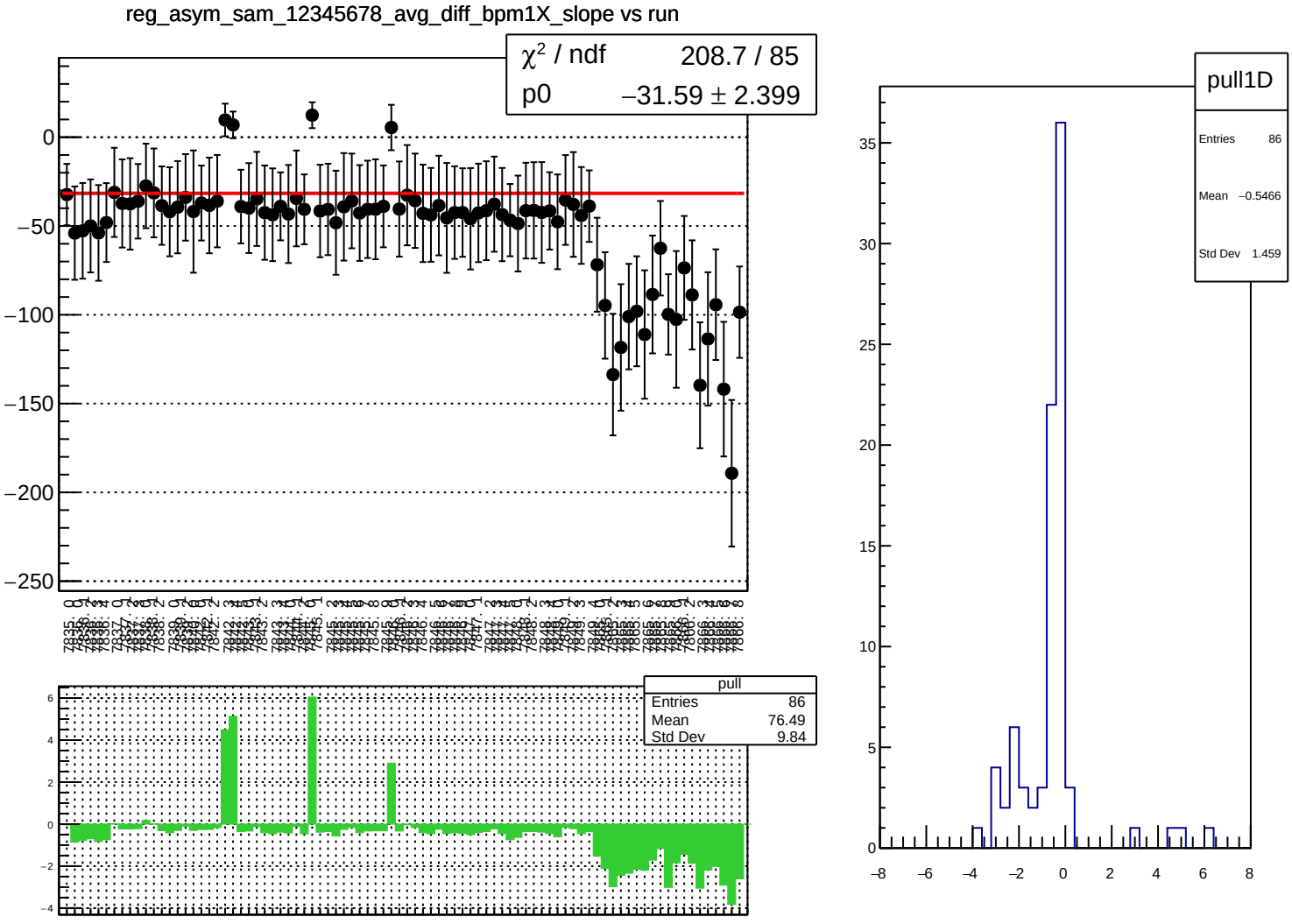

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.37 / 85
p0 1.132 ± 1.011
pull
Entries 86
Mean 148.2
Std Dev 90.24

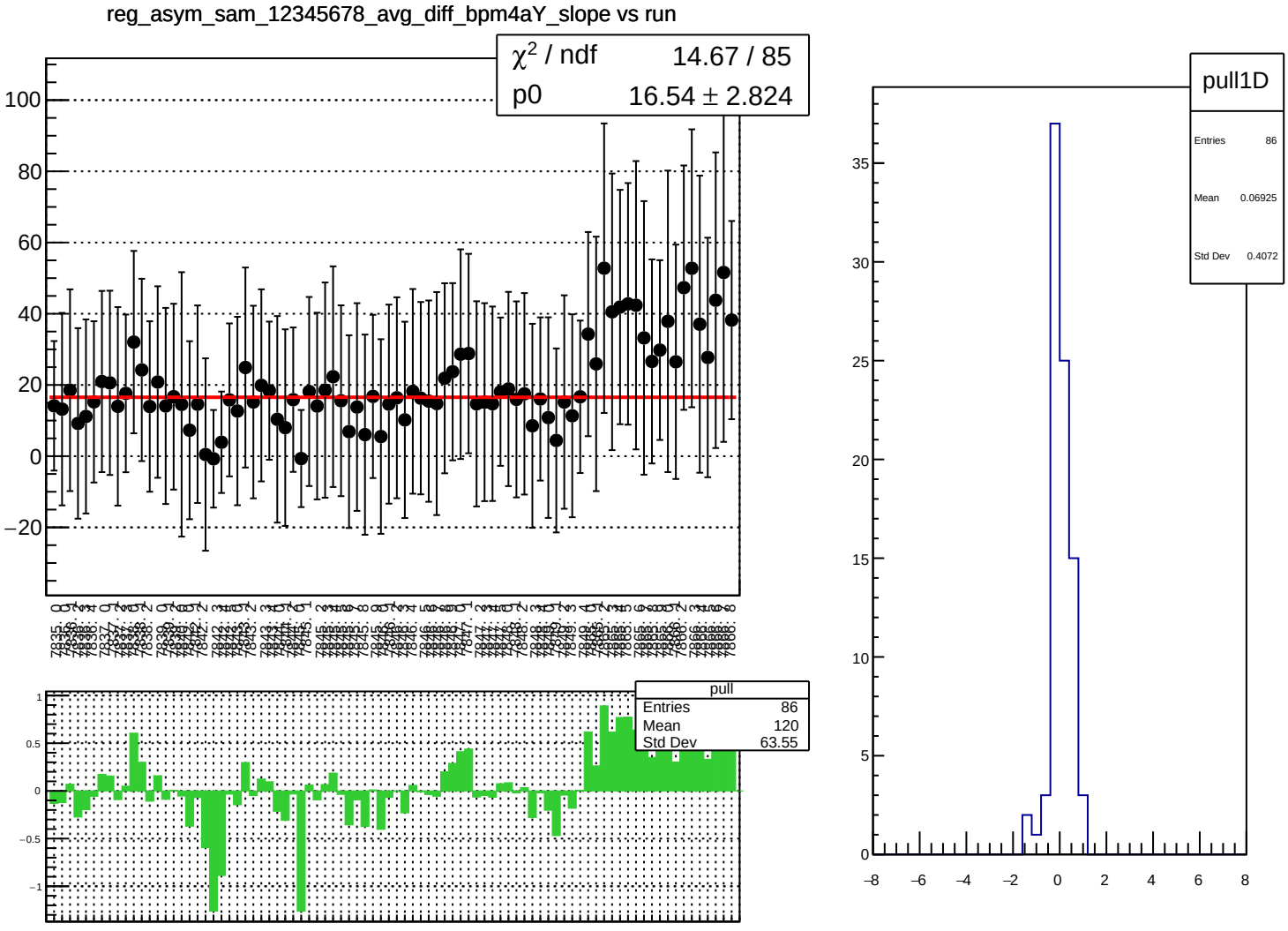

pull1D
Entries 86
Mean −0.03814
Std Dev 0.2902

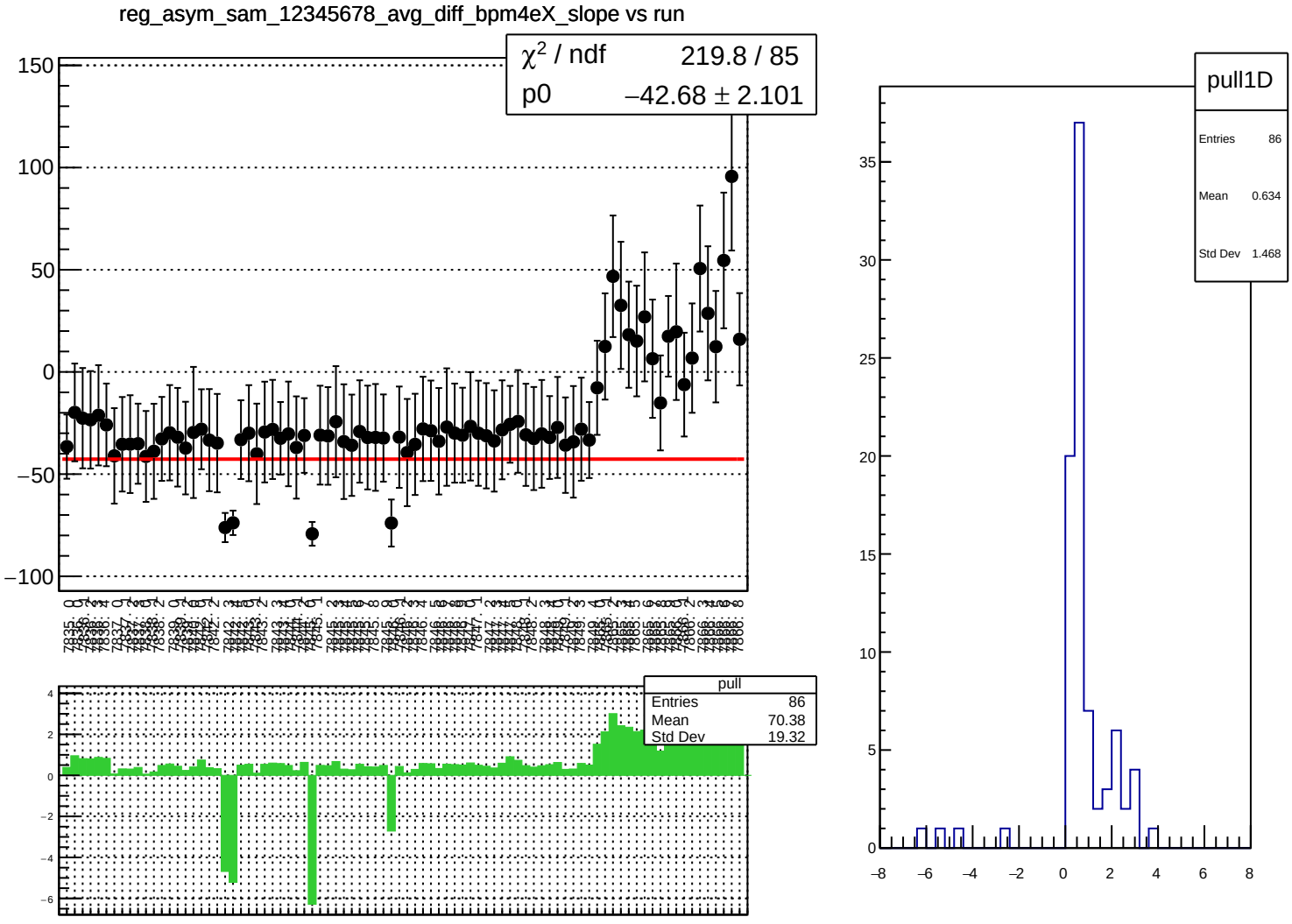

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 105.3 / 85
p0 18.25 ± 0.7526
pull
Entries 86
Mean 62.77
Std Dev 24.62
pull1D
Entries 86
Mean −0.4638
Std Dev 1.005

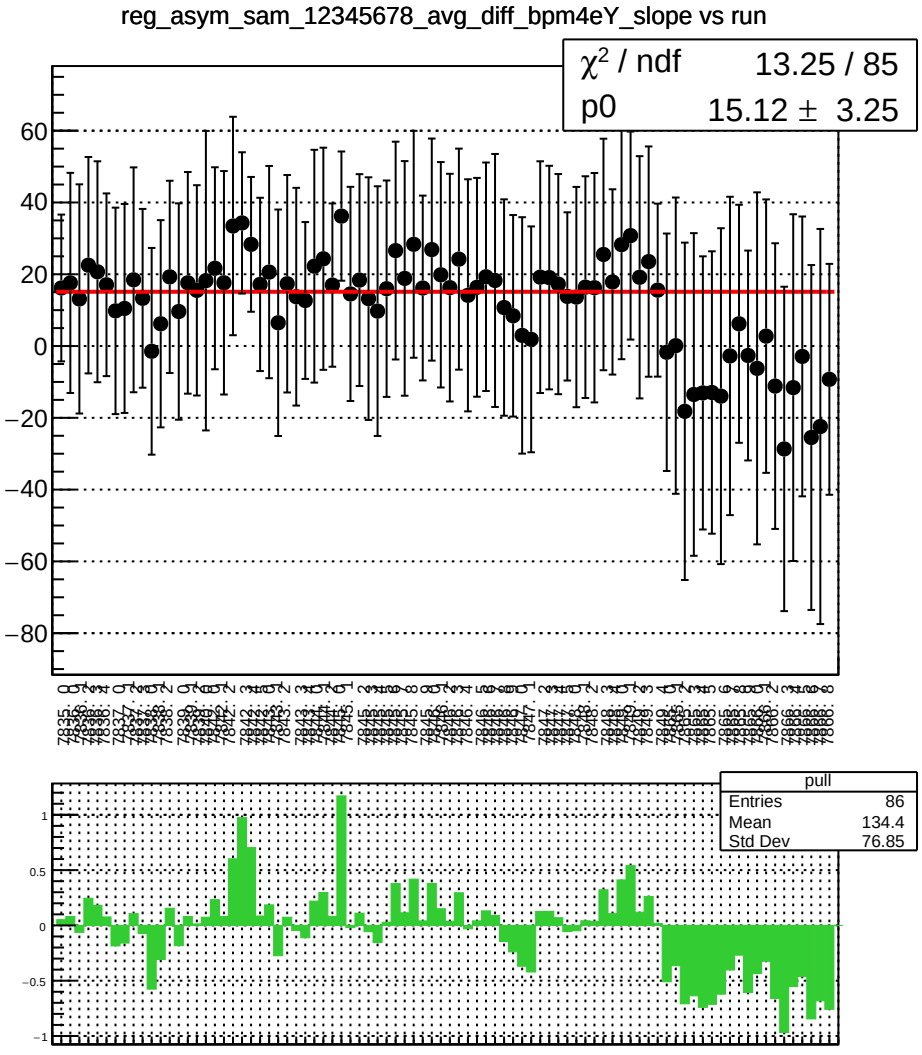

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.729 / 85
p0 −5.569 ± 1.164
pull
Entries 86
Mean 150.8
Std Dev 90.67
pull1D
Entries 86
Mean 0.03533
Std Dev 0.2977

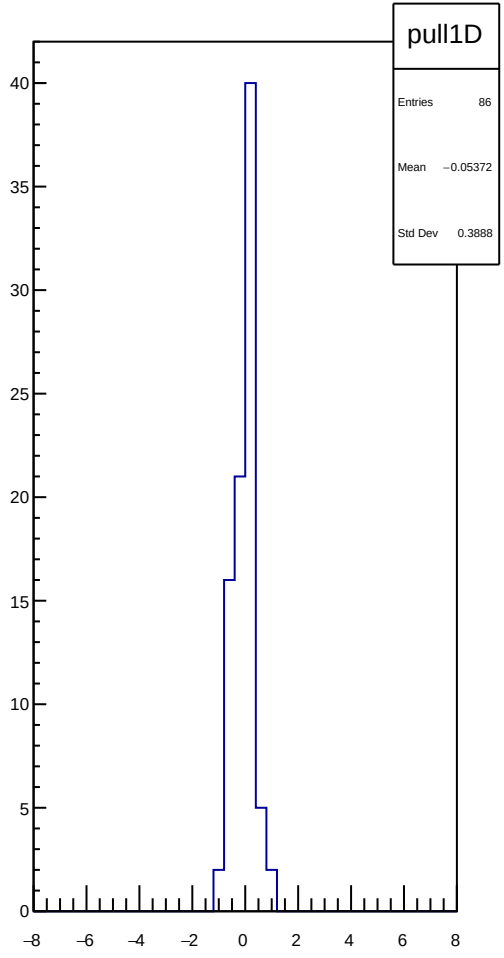

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 28.11 / 85
p0 0.2356 ± 0.03473
pull
Entries 86
Mean 199.6
Std Dev 146
pull1D
Entries 86
Mean 0.06089
Std Dev 0.5684


reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 208.7 / 85
p0 −31.59 ± 2.399
pull
Entries 86
Mean 76.49
Std Dev 9.84
pull1D
Entries 86
Mean −0.5466
Std Dev 1.459

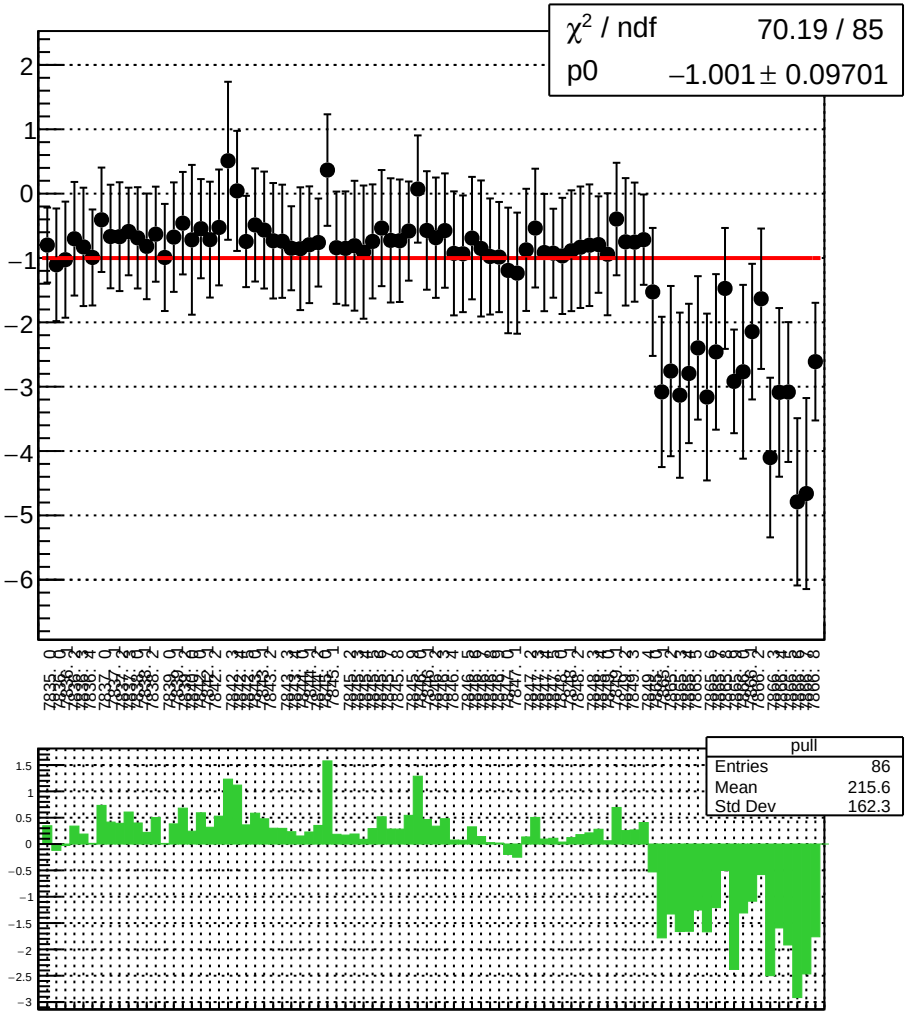

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 14.67 / 85
p0 16.54 ± 2.824
pull
Entries 86
Mean 120
Std Dev 63.55
pull1D
Entries 86
Mean 0.06925
Std Dev 0.4072

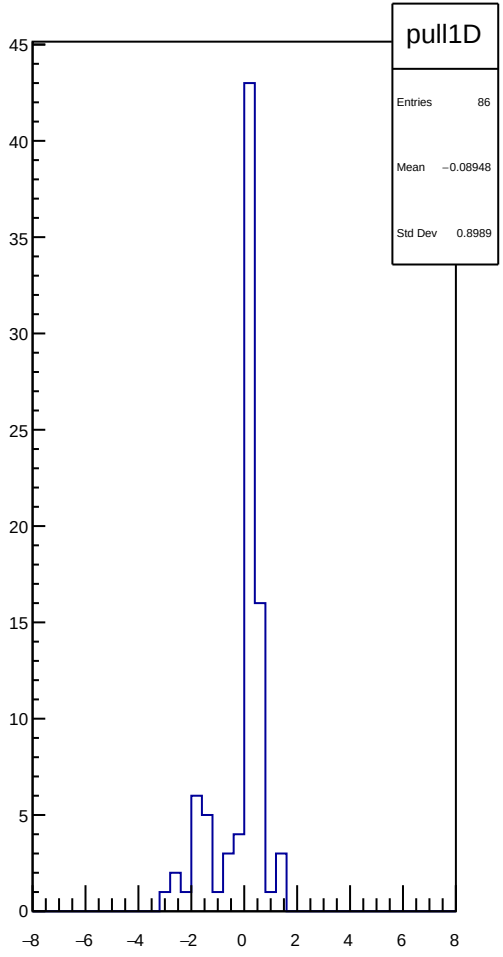

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 219.8 / 85
p0 −42.68 ± 2.101
pull
Entries 86
Mean 70.38
Std Dev 19.32
pull1D
Entries 86
Mean 0.634
Std Dev 1.468

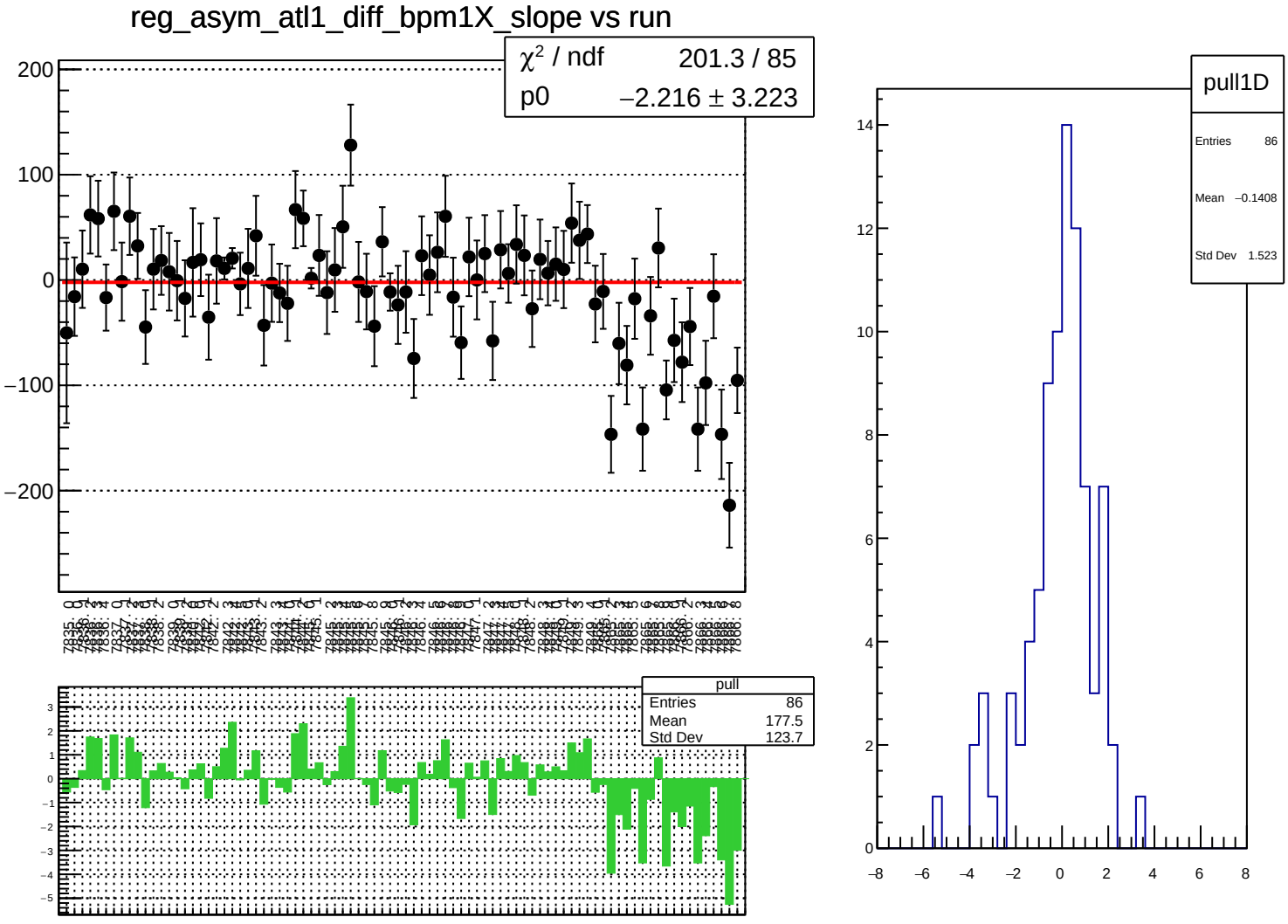

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.25 / 85
p0 15.12 ± 3.25
pull
Entries 86
Mean 134.4
Std Dev 76.85

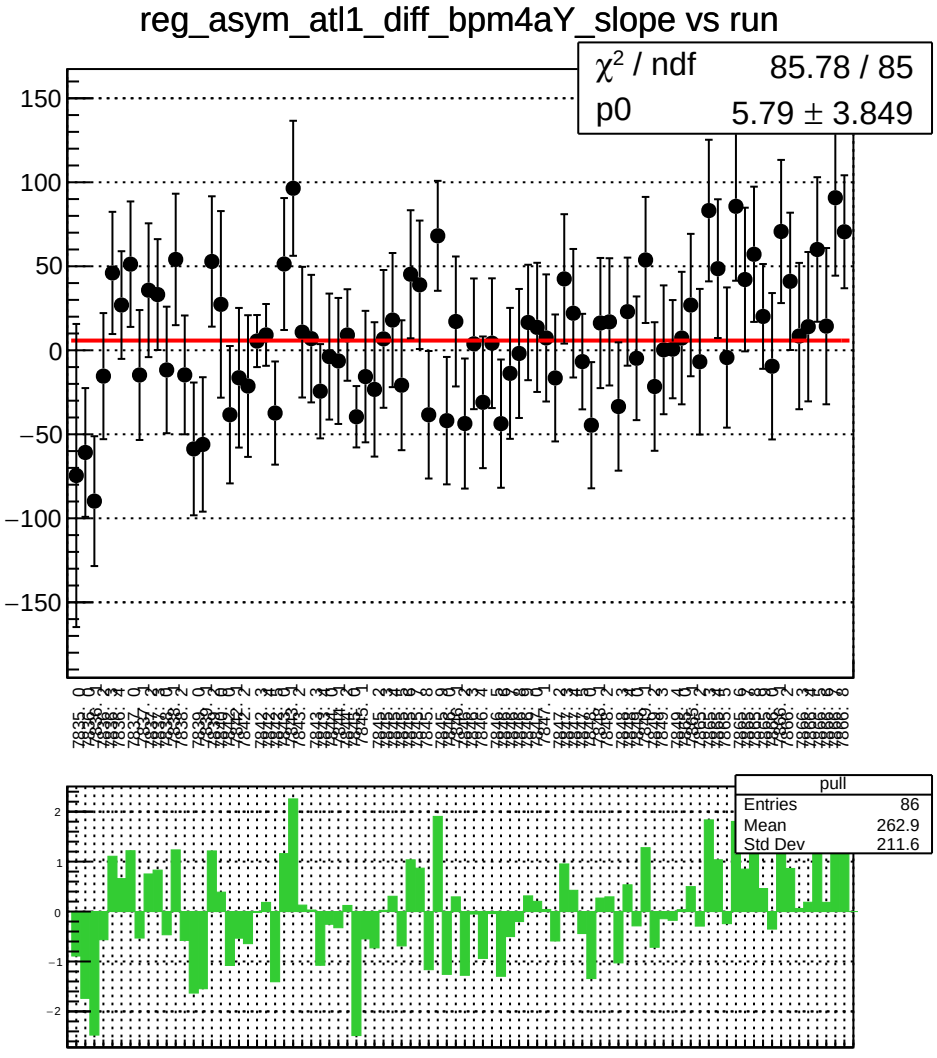

pull1D
Entries 86
Mean −0.05372
Std Dev 0.3888

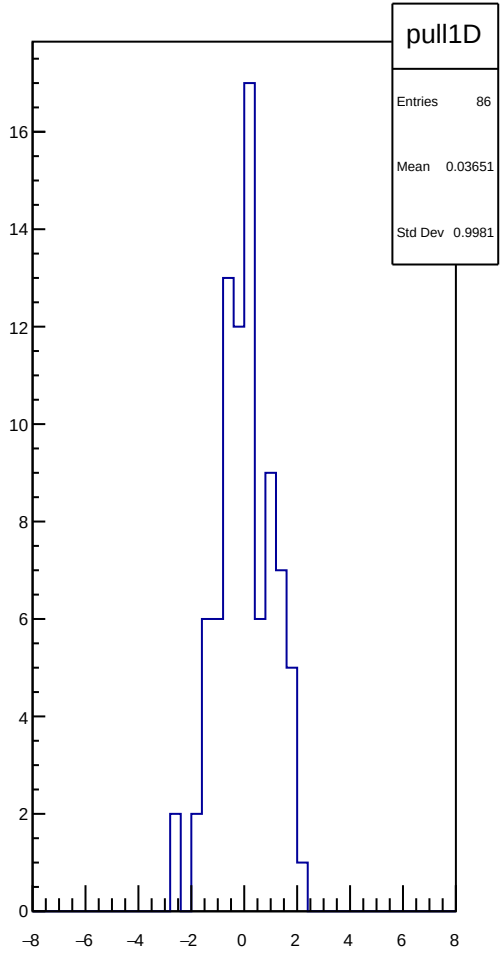
reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run

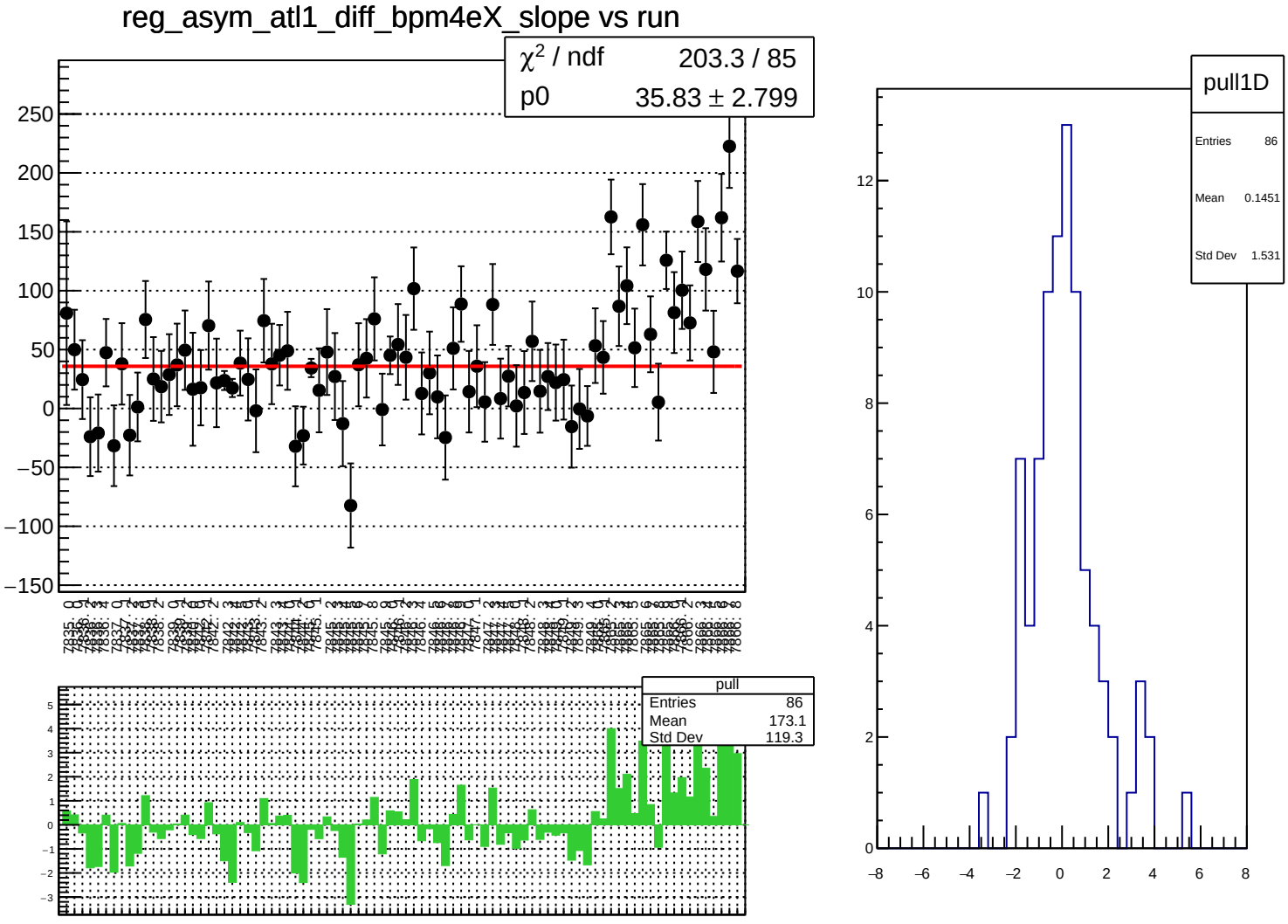


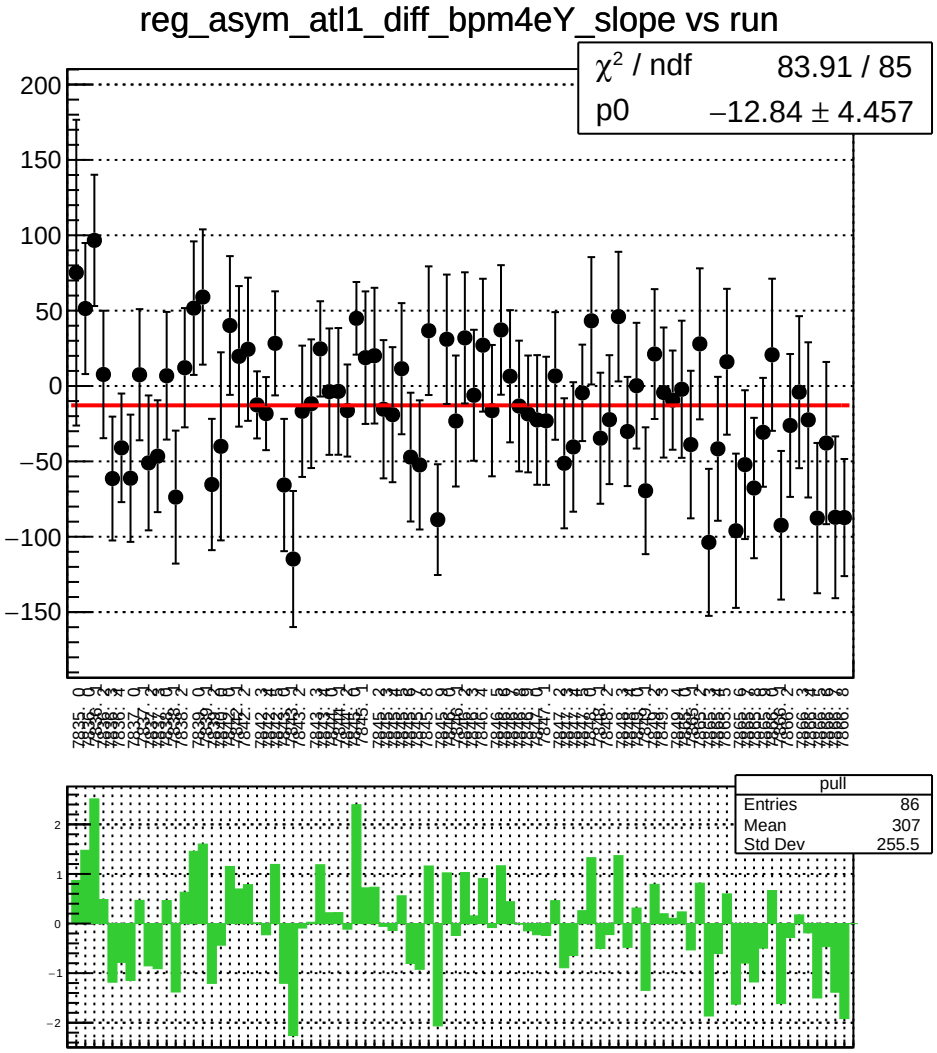


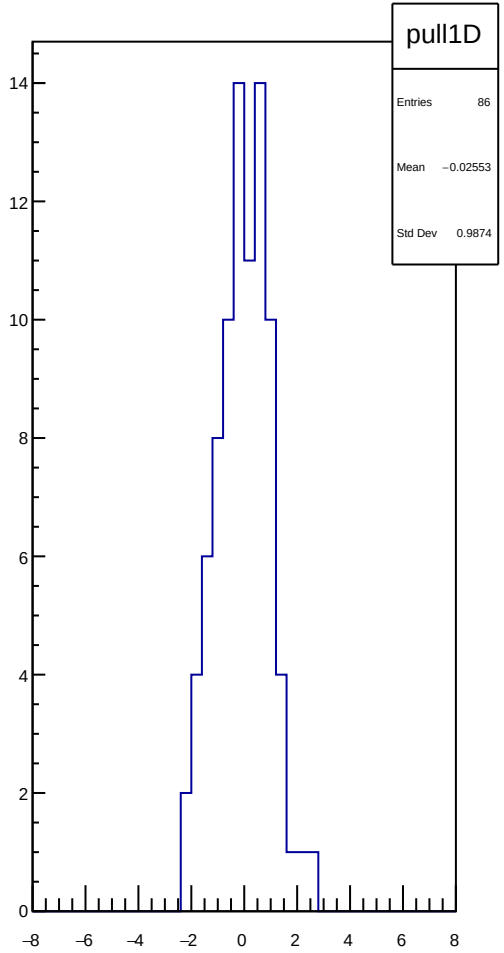

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 201.3 / 85
p0 −2.216 ± 3.223
pull
Entries 86
Mean 177.5
Std Dev 123.7
pull1D
Entries 86
Mean −0.1408
Std Dev 1.523

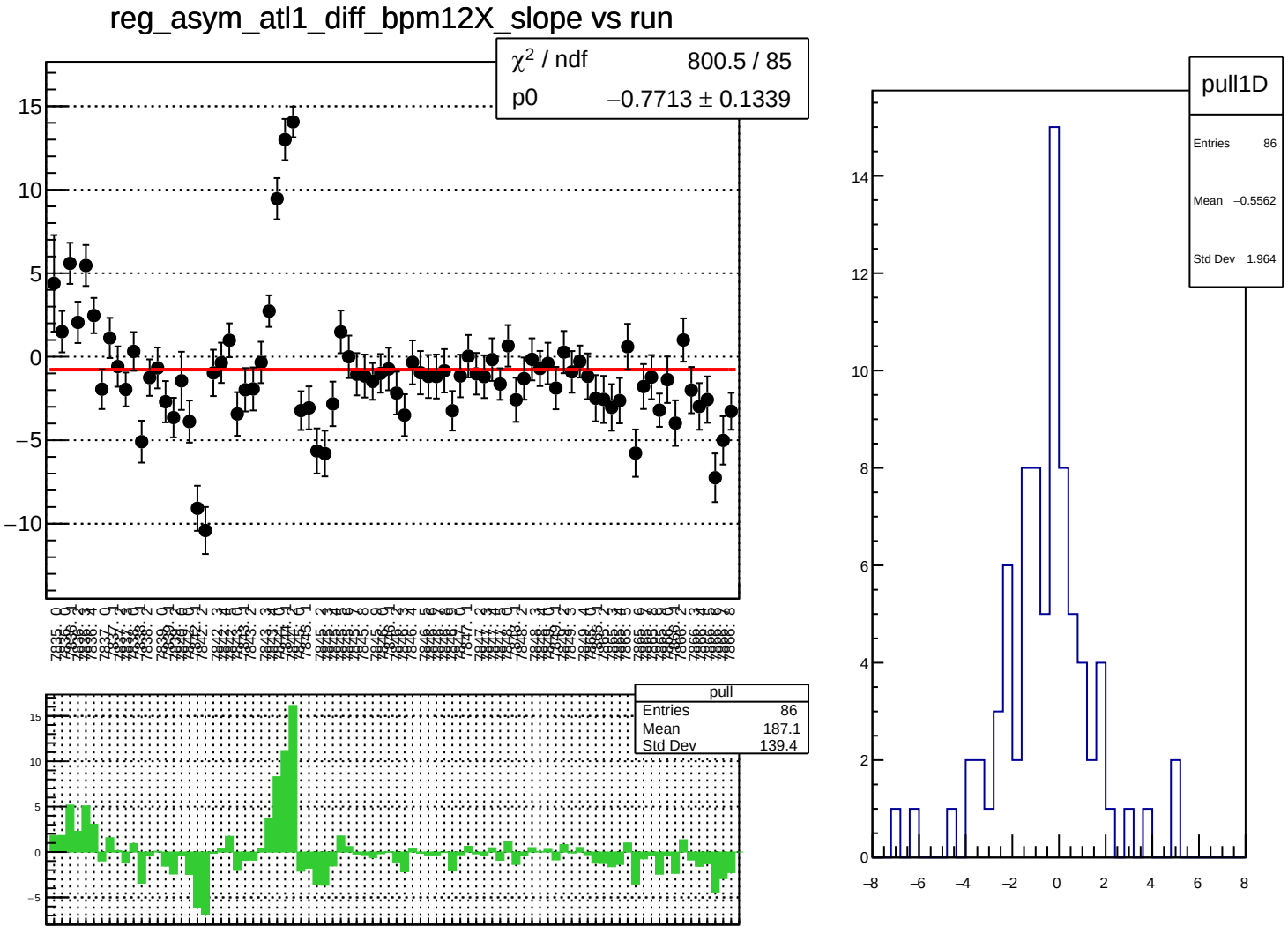

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 85.78 / 85
p0 5.79 ± 3.849
pull
Entries 86
Mean 262.9
Std Dev 211.6

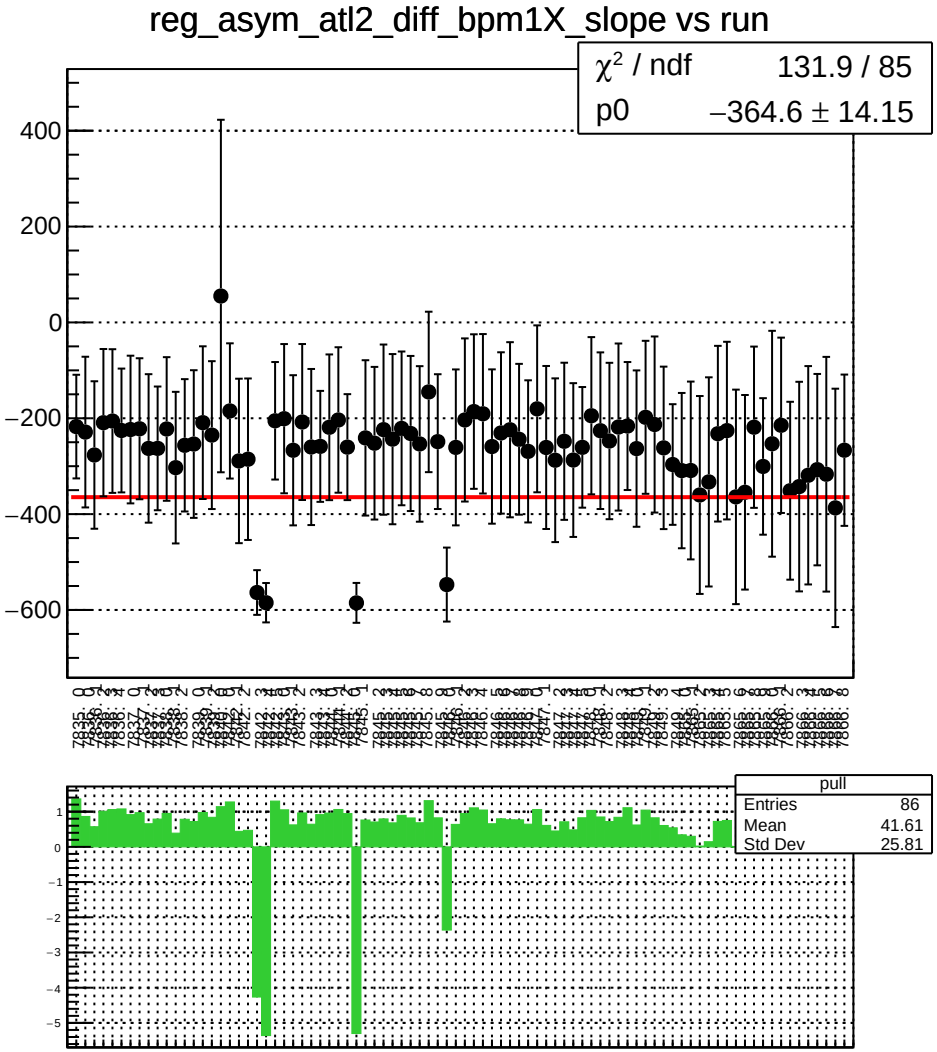

pull1D
Entries 86
Mean 0.03651
Std Dev 0.9981

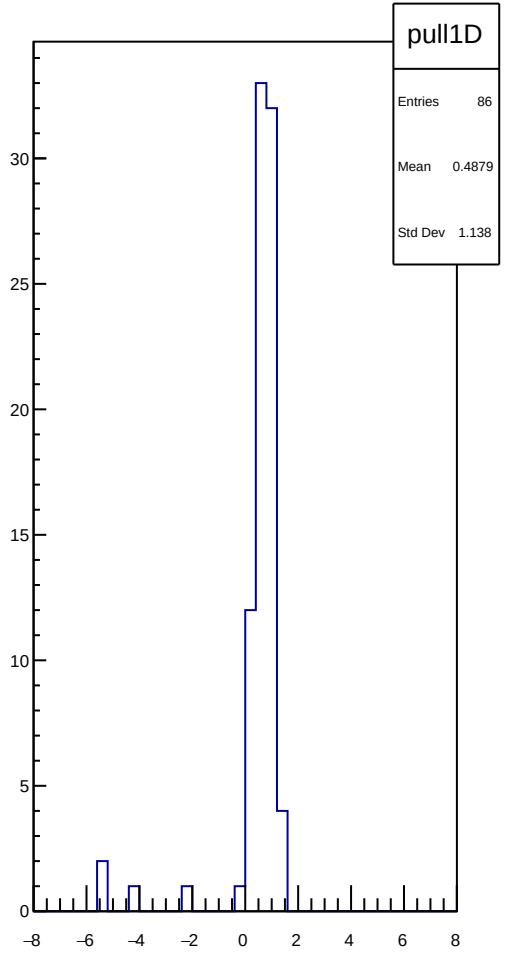

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 203.3 / 85
p0 35.83 ± 2.799
pull
Entries 86
Mean 173.1
Std Dev 119.3
pull1D
Entries 86
Mean 0.1451
Std Dev 1.531

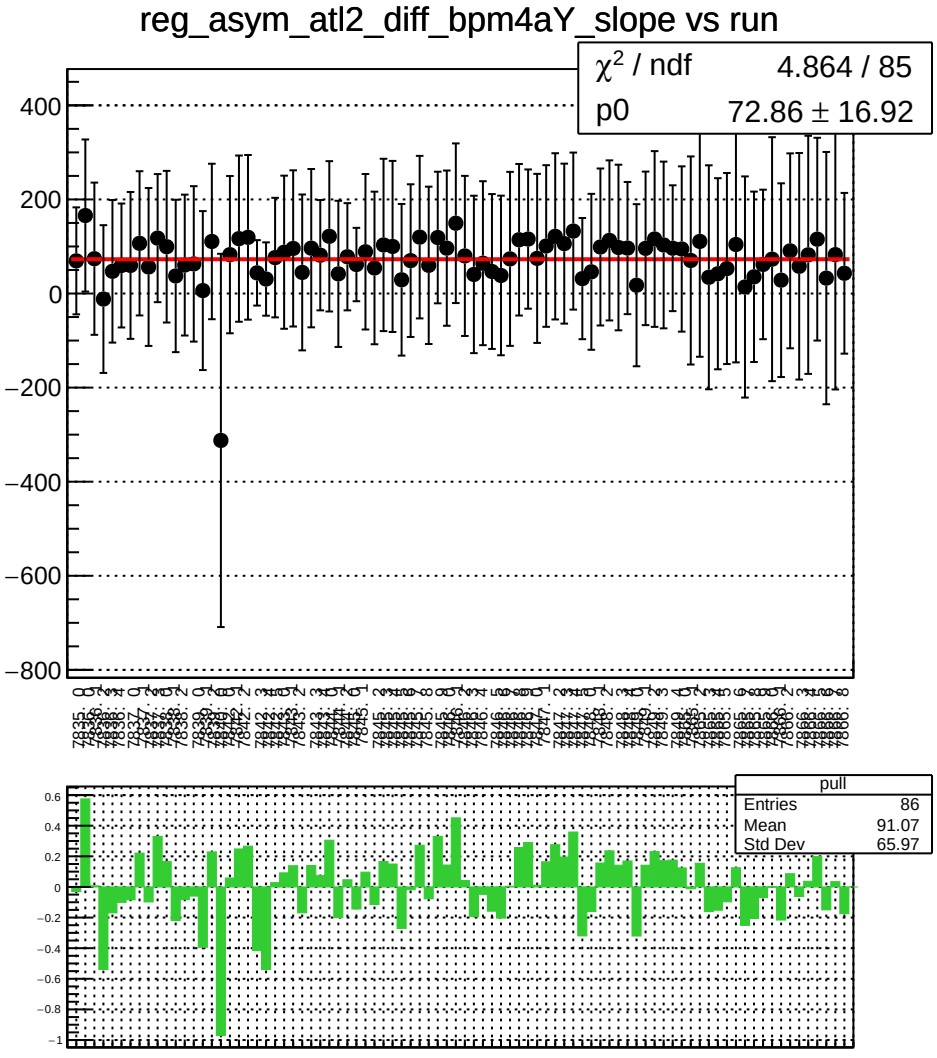

reg_asym_atl1_diff_bpm4eY_slope vs run
χ^2 / ndf 83.91 / 85
p0 −12.84 ± 4.457
pull
Entries 86
Mean 307
Std Dev 255.5

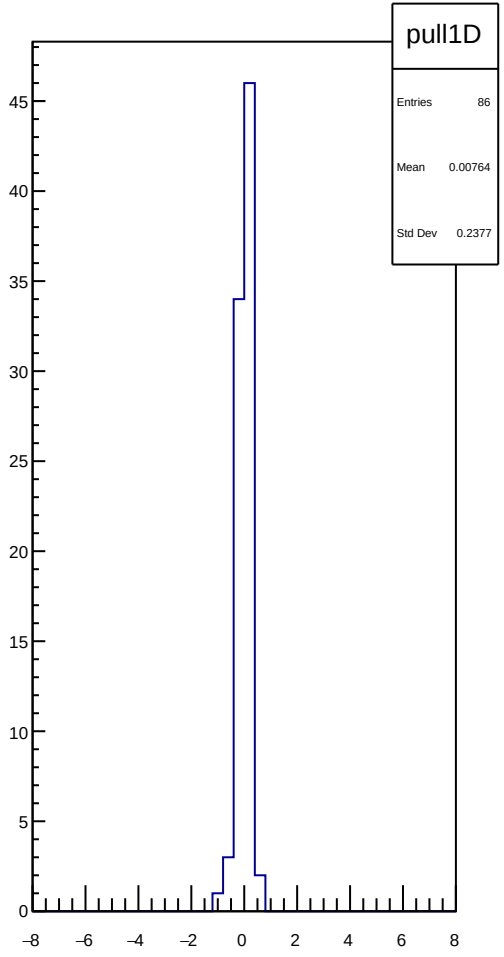

pull1D
Entries 86
Mean −0.02553
Std Dev 0.9874

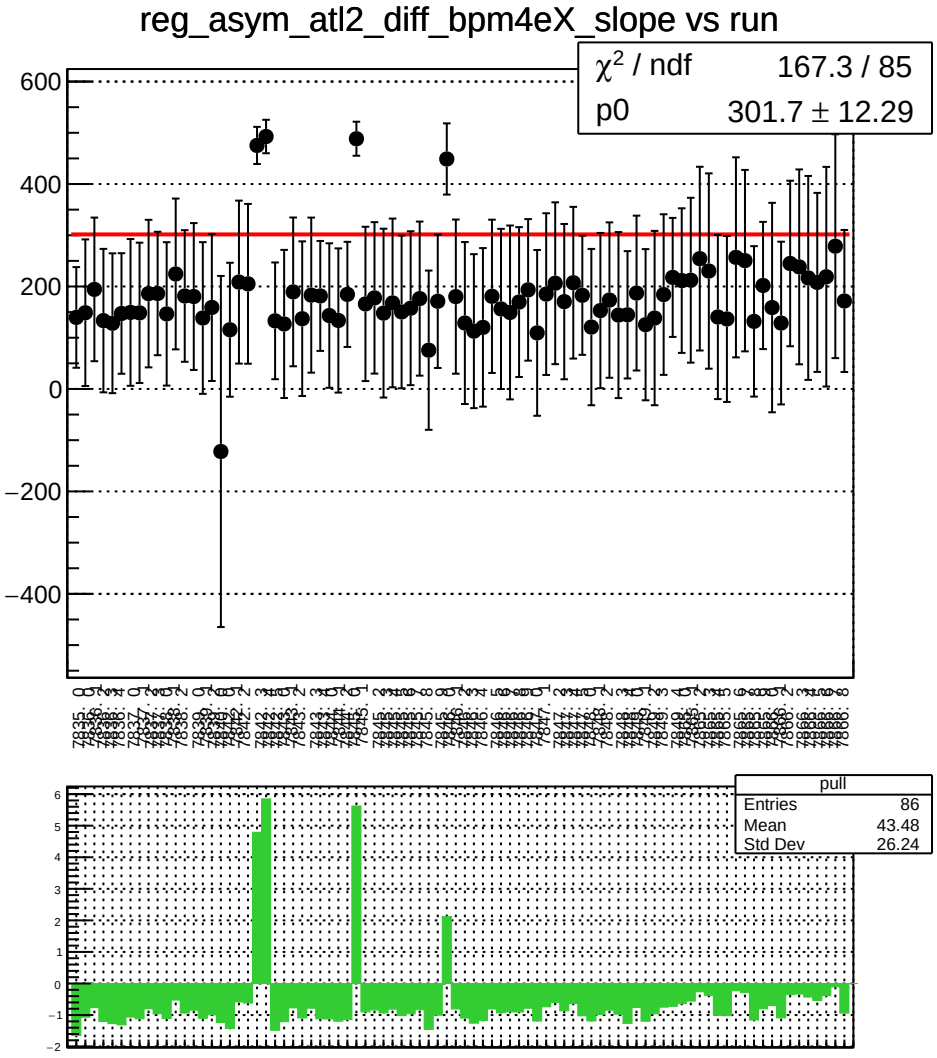

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 800.5 / 85
p0 −0.7713 ± 0.1339
pull
Entries 86
Mean 187.1
Std Dev 139.4
pull1D
Entries 86
Mean −0.5562
Std Dev 1.964

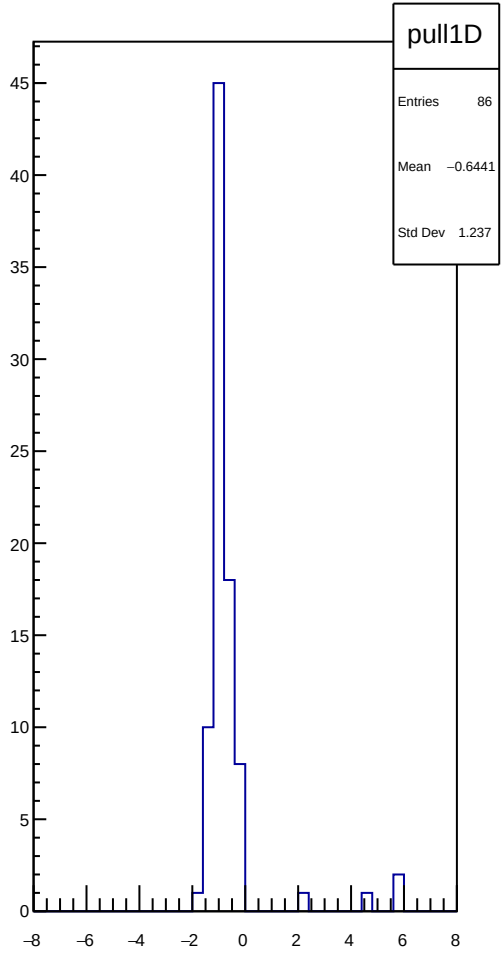

reg_asym_atl2_diff_bpm1X_slope vs run
χ^2 / ndf 131.9 / 85
p0 −364.6 ± 14.15
400
200
0
−200
−400
−600
pull
Entries 86
Mean 41.61
Std Dev 25.81
1
0
−1
−2
−3
−4
−5

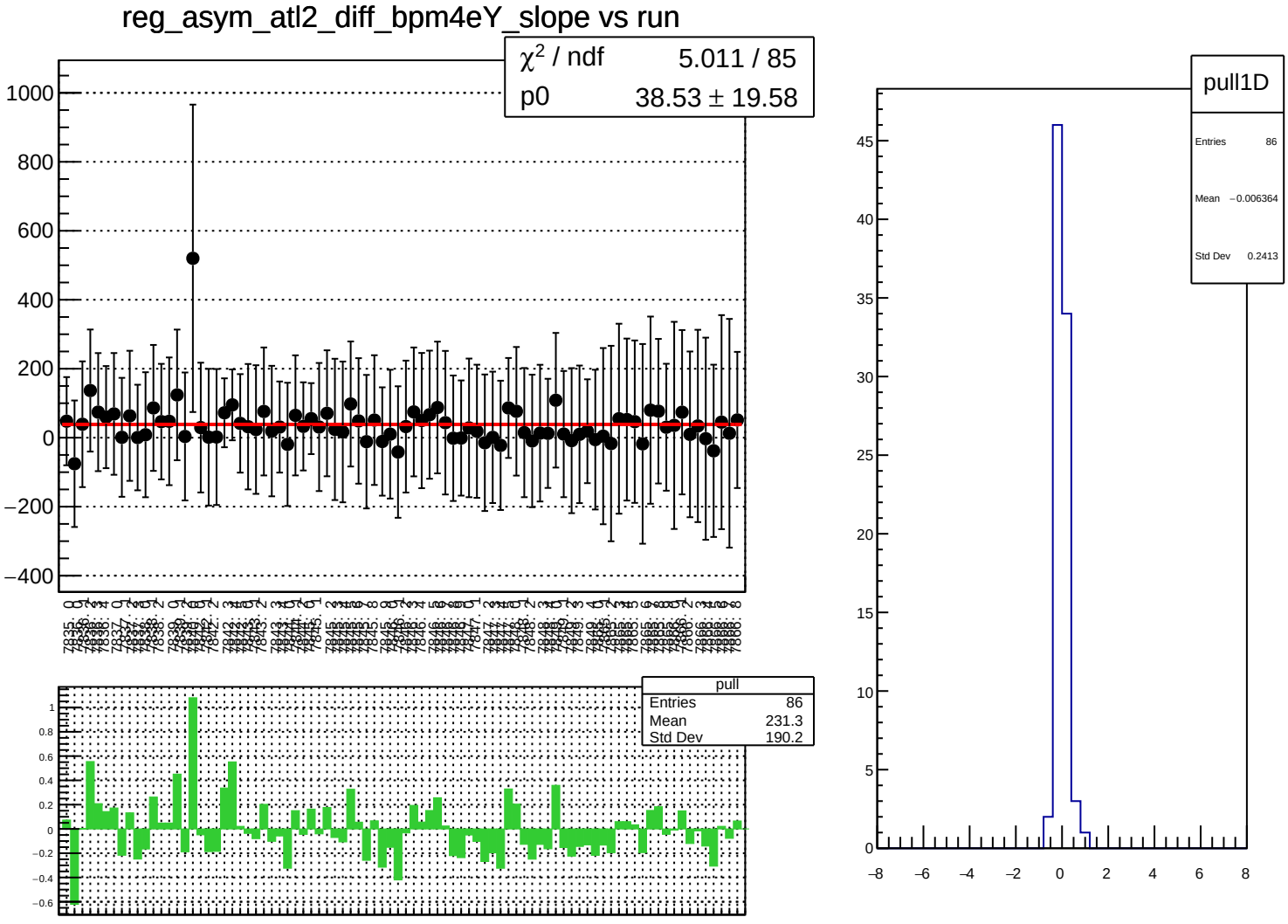

pull1D
Entries 86
Mean 0.4879
Std Dev 1.138
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

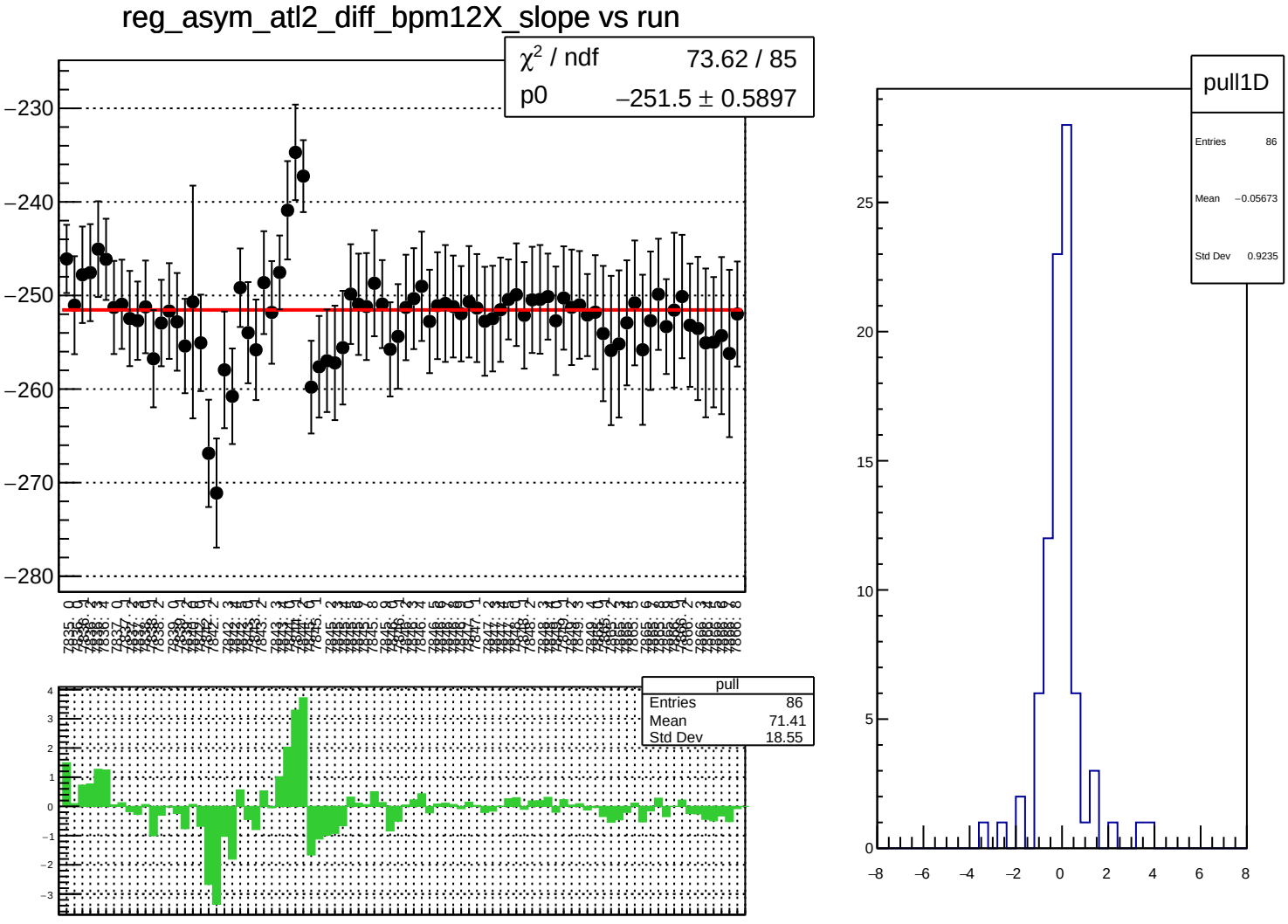

reg_asym_atl2_diff_bpm4aY_slope vs run
χ^2 / ndf 4.864 / 85
p0 72.86 ± 16.92
pull
Entries 86
Mean 91.07
Std Dev 65.97

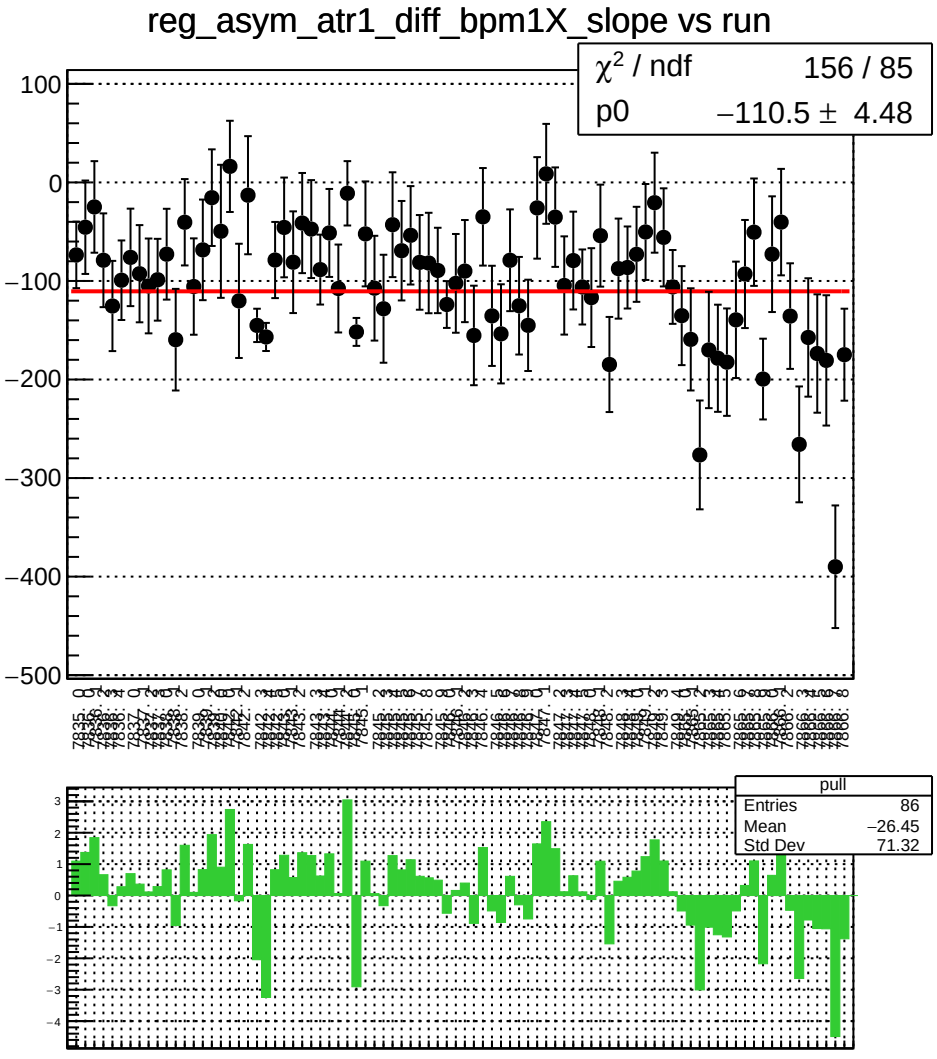

pull1D
Entries 86
Mean 0.00764
Std Dev 0.2377

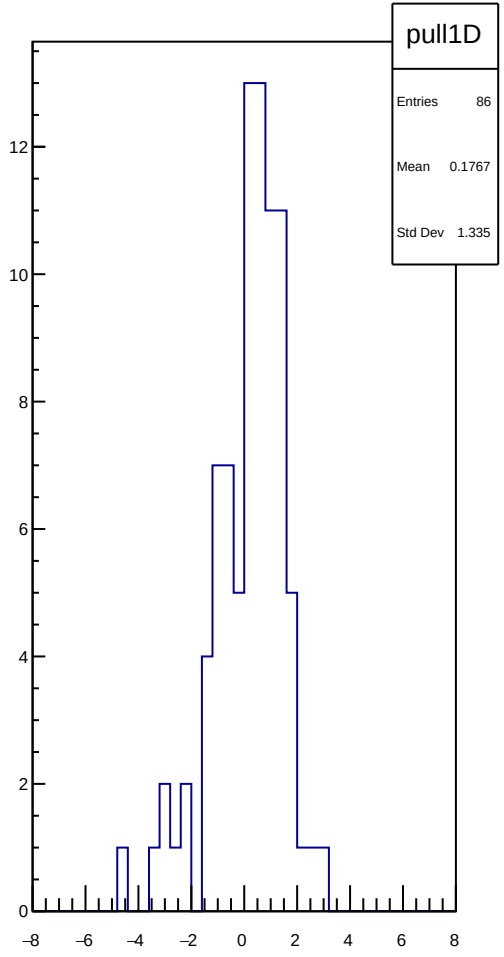

reg_asym_atl2_diff_bpm4eX_slope vs run
χ^2 / ndf 167.3 / 85
p0 301.7 ± 12.29
pull
Entries 86
Mean 43.48
Std Dev 26.24

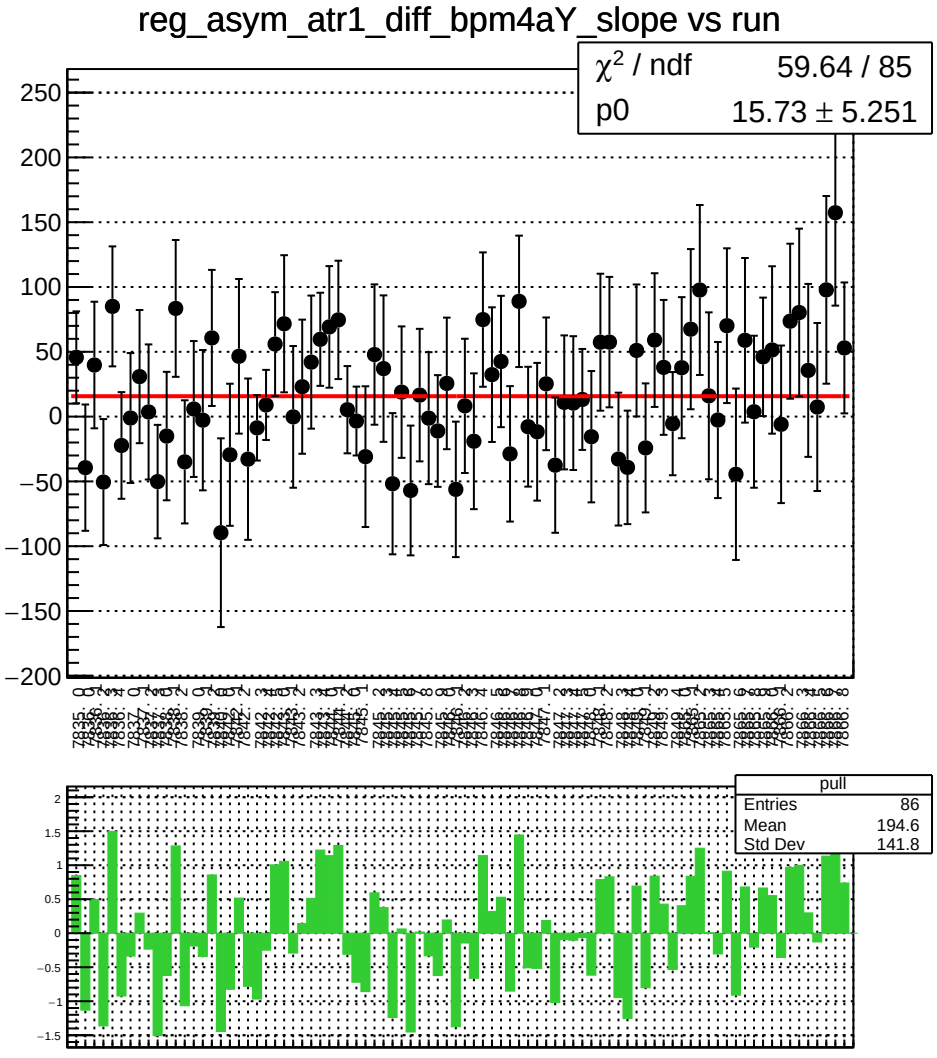

pull1D
Entries 86
Mean −0.6441
Std Dev 1.237

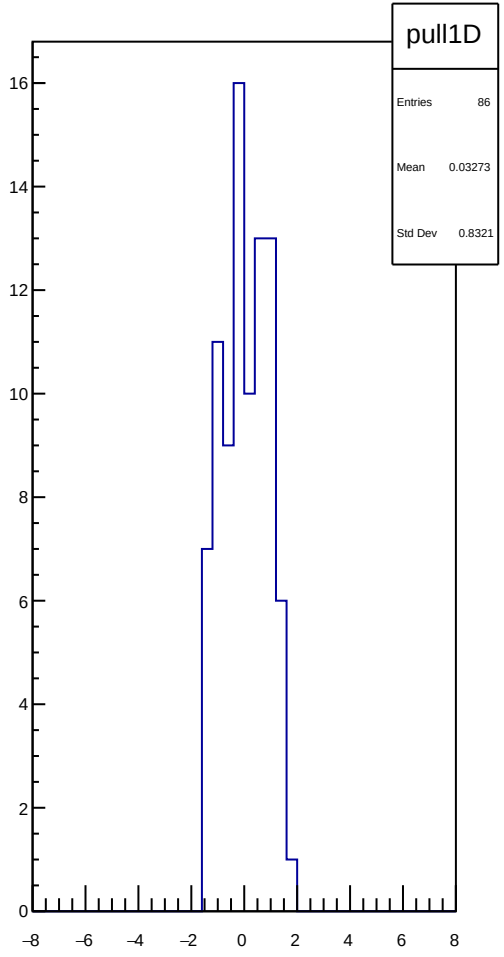

reg_asym_atl2_diff_bpm4eY_slope vs run
χ^2 / ndf 5.011 / 85
p0 38.53 ± 19.58
pull
Entries 86
Mean 231.3
Std Dev 190.2
pull1D
Entries 86
Mean −0.006364
Std Dev 0.2413

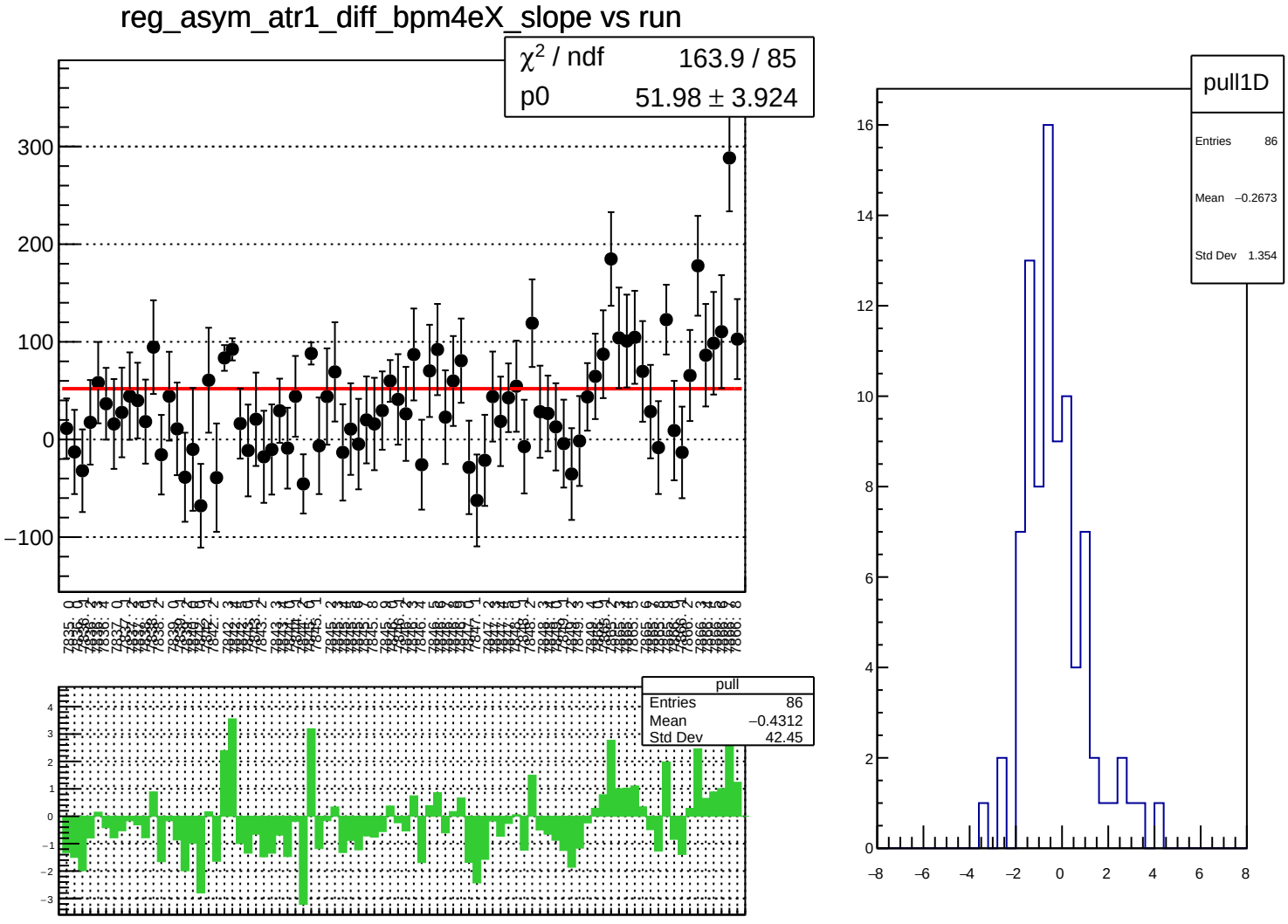

reg_asym_atl2_diff_bpm12X_slope vs run
χ^2 / ndf 73.62 / 85
p0 −251.5 ± 0.5897
−230
−240
−250
−260
−270
−280
pull
Entries 86
Mean 71.41
Std Dev 18.55
pull1D
Entries 86
Mean −0.05673
Std Dev 0.9235

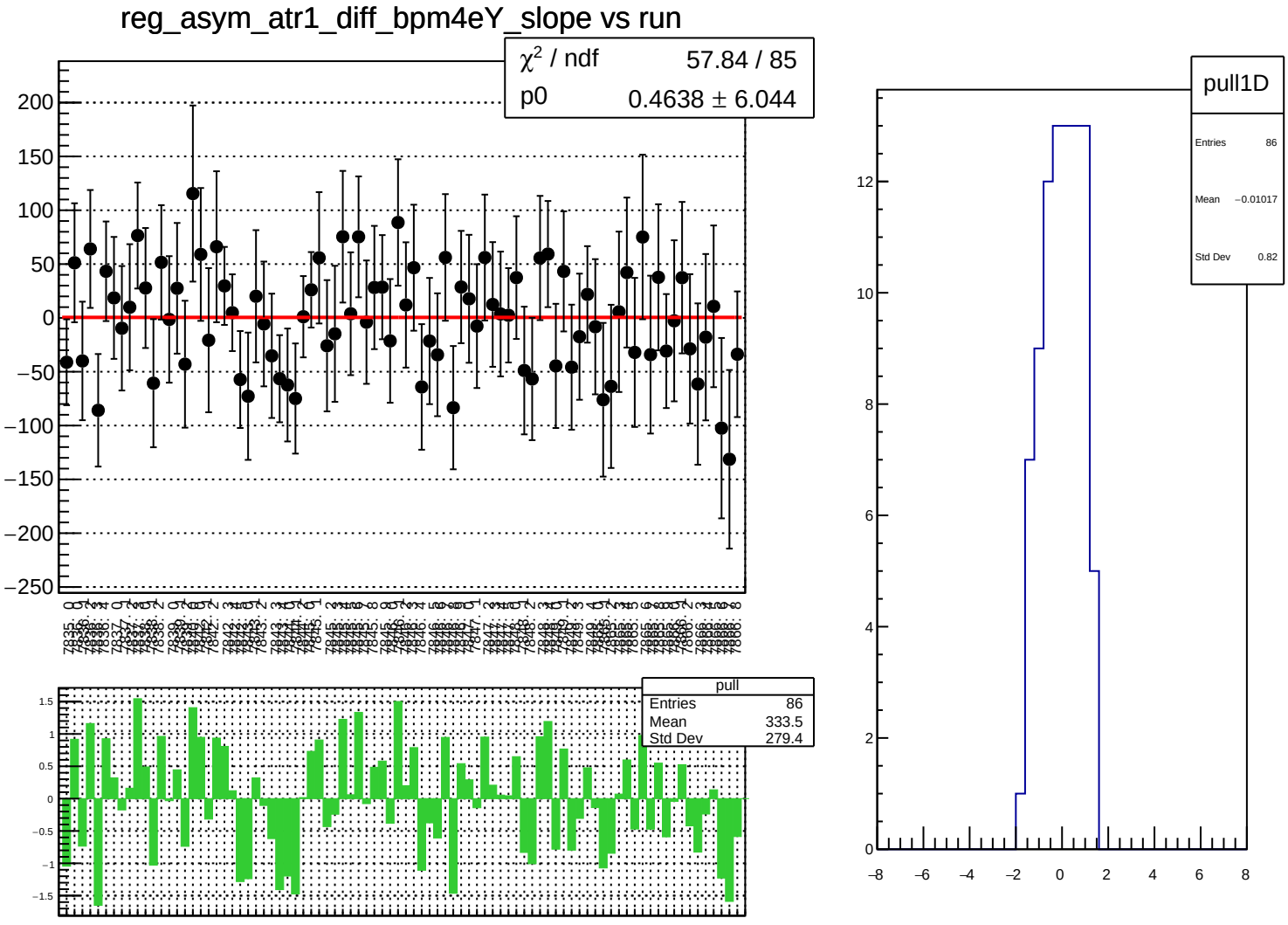

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 156 / 85
p0 −110.5 ± 4.48
pull
Entries 86
Mean −26.45
Std Dev 71.32

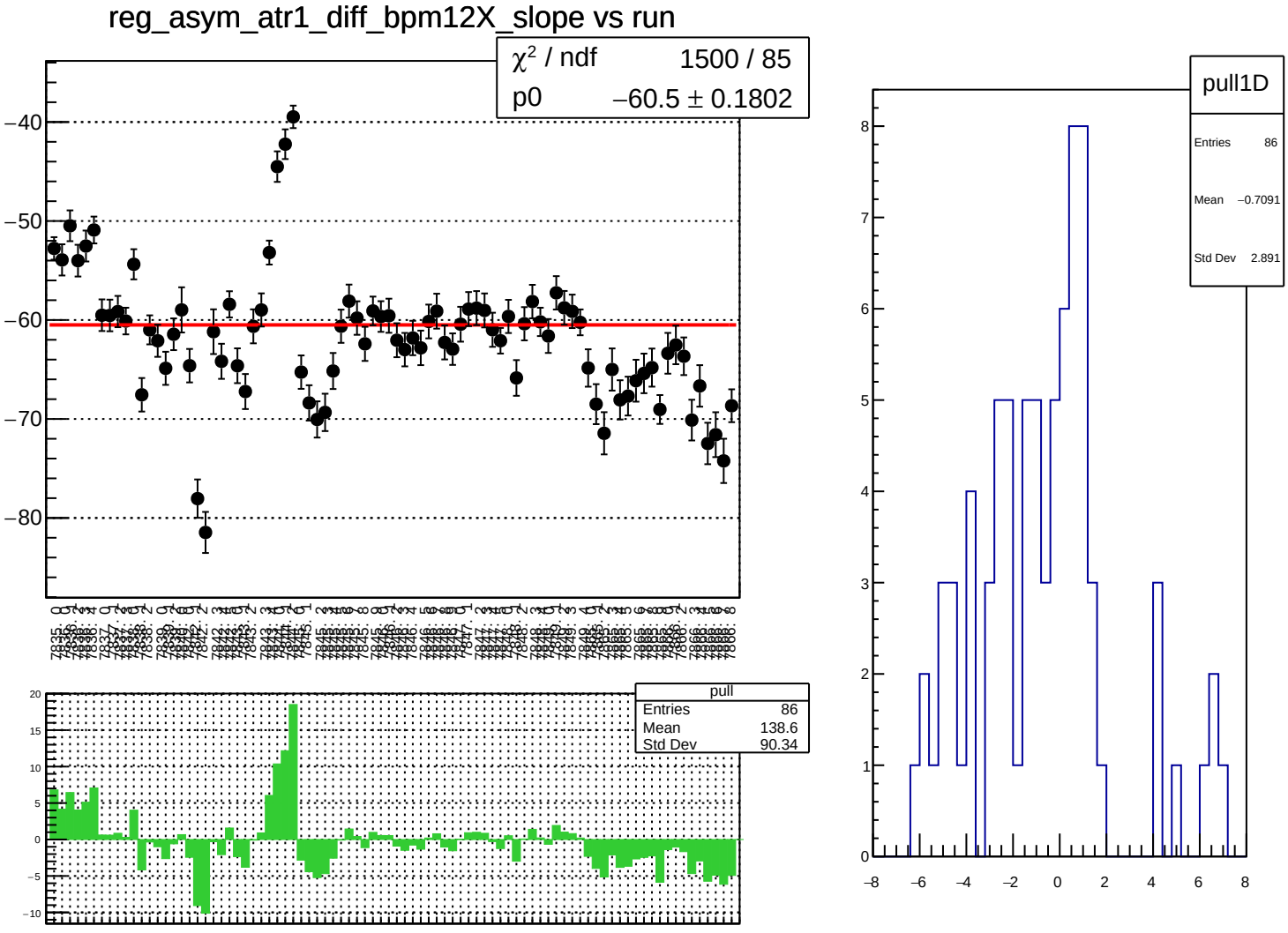

pull1D
Entries 86
Mean 0.1767
Std Dev 1.335

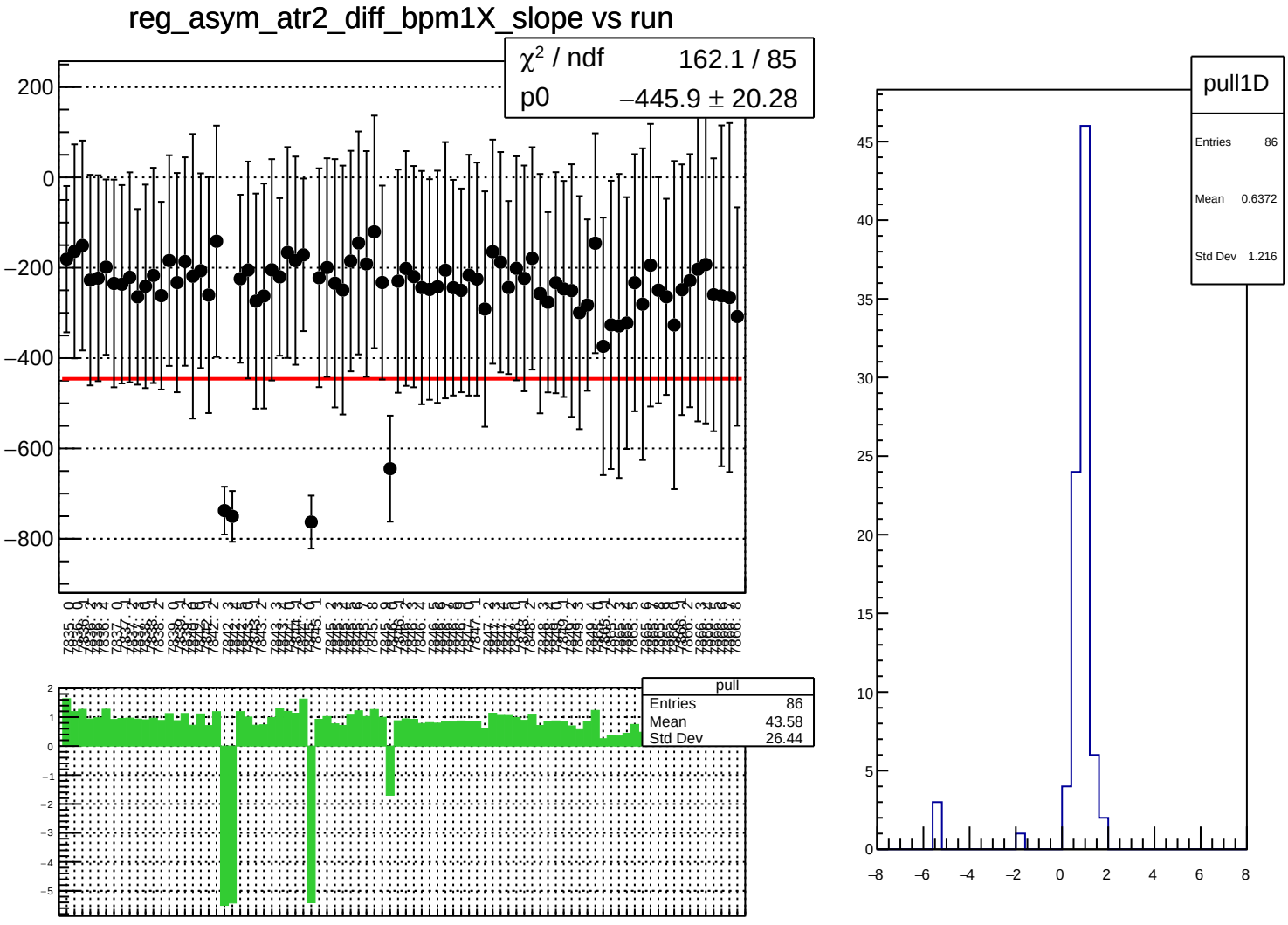

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 59.64 / 85
p0 15.73 ± 5.251
pull
Entries 86
Mean 194.6
Std Dev 141.8

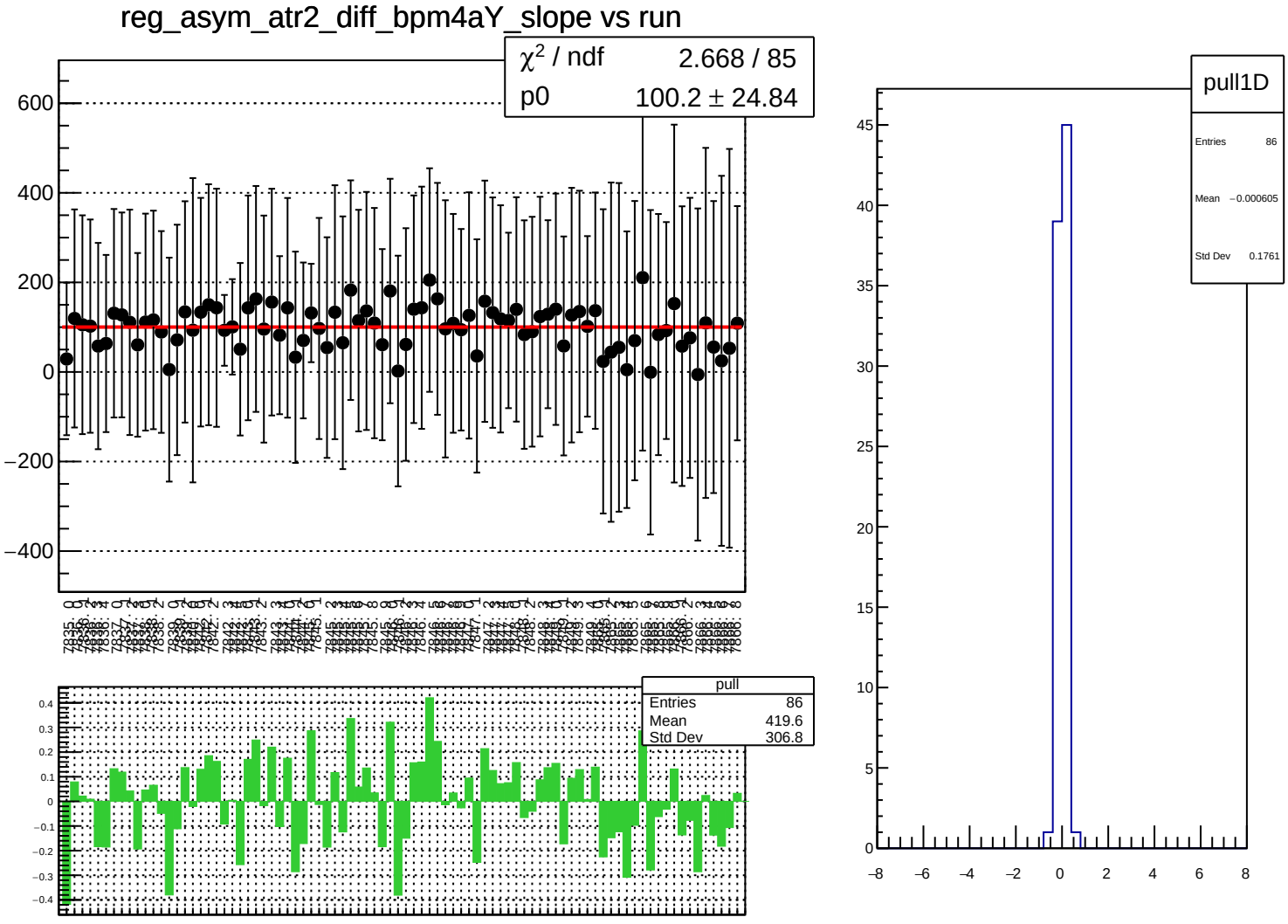

pull1D
Entries 86
Mean 0.03273
Std Dev 0.8321

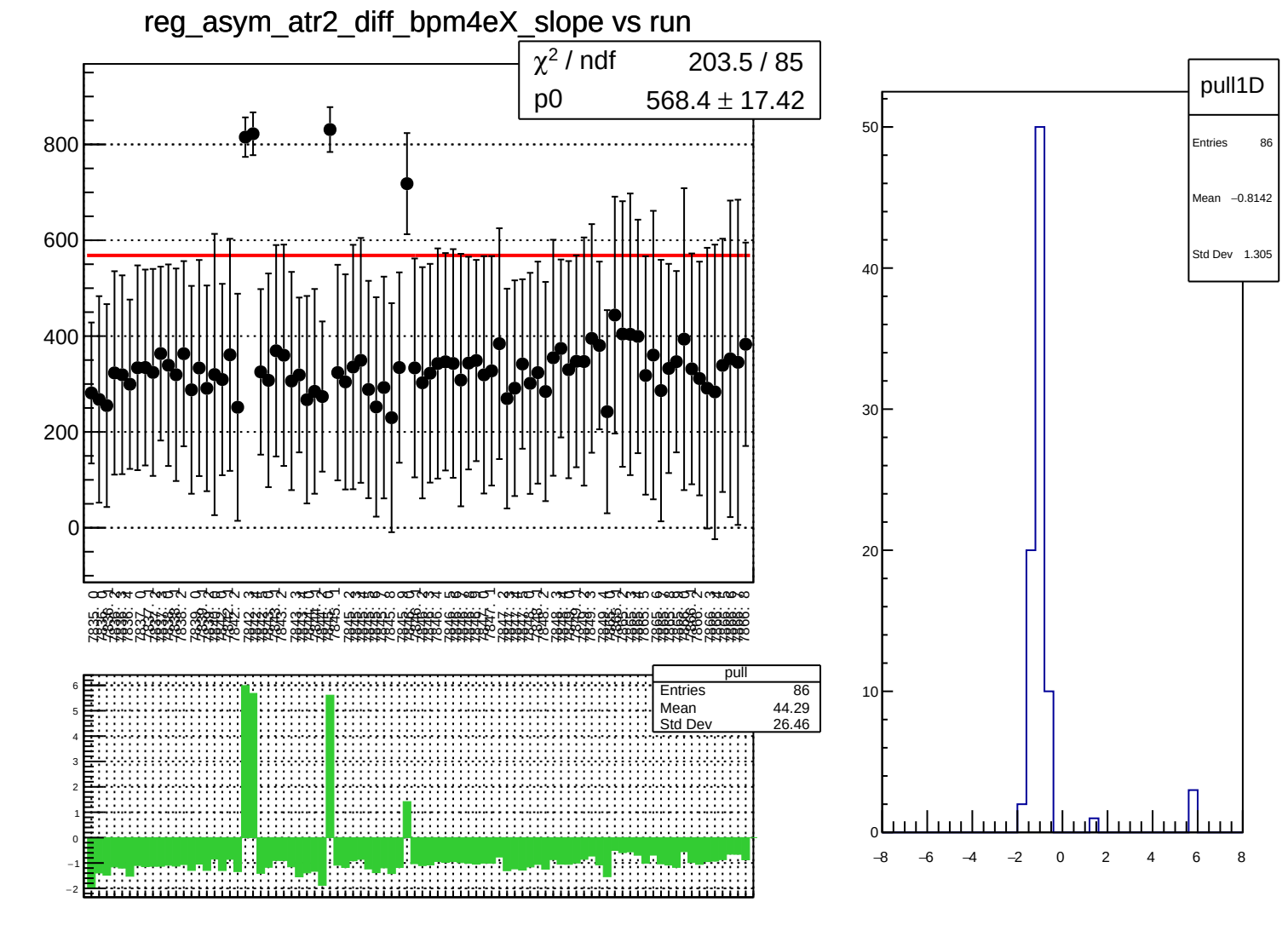

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 163.9 / 85
p0 51.98 ± 3.924
pull
Entries 86
Mean −0.4312
Std Dev 42.45
pull1D
Entries 86
Mean −0.2673
Std Dev 1.354

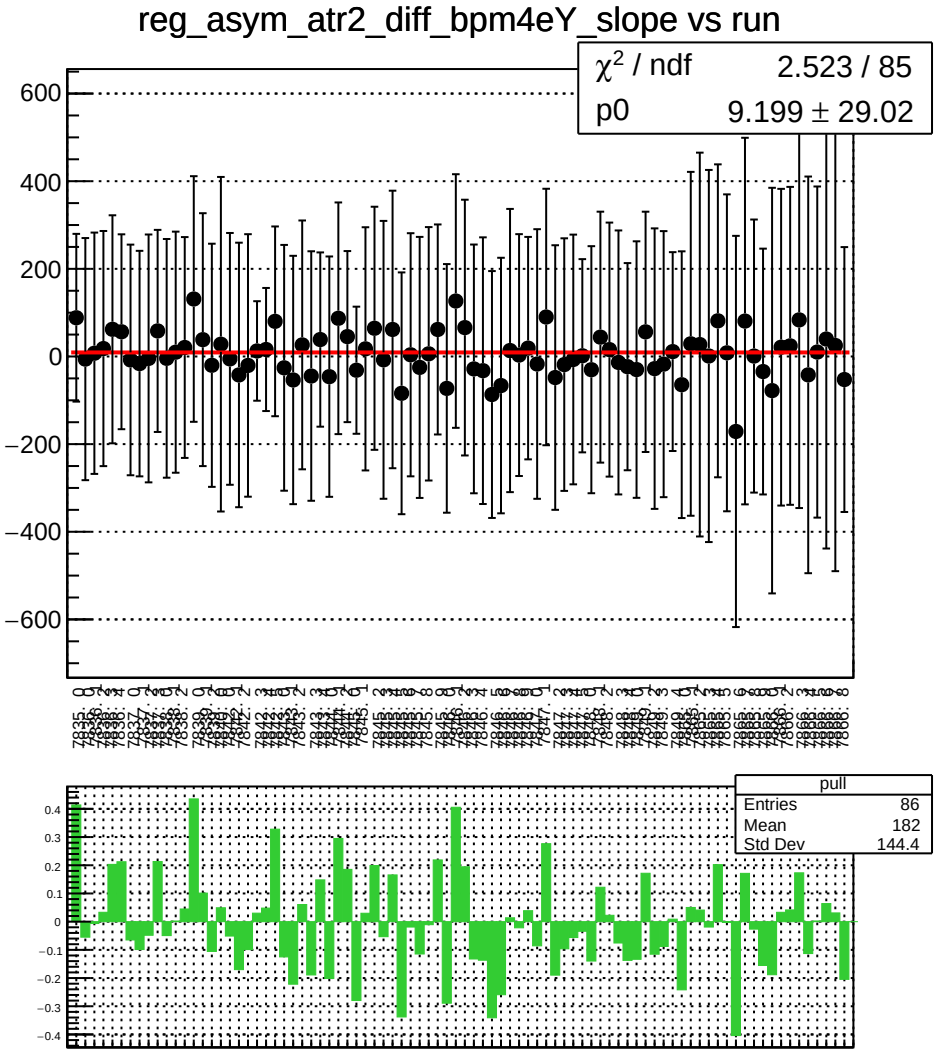

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 57.84 / 85
p0 0.4638 ± 6.044
pull
Entries 86
Mean 333.5
Std Dev 279.4
pull1D
Entries 86
Mean −0.01017
Std Dev 0.82

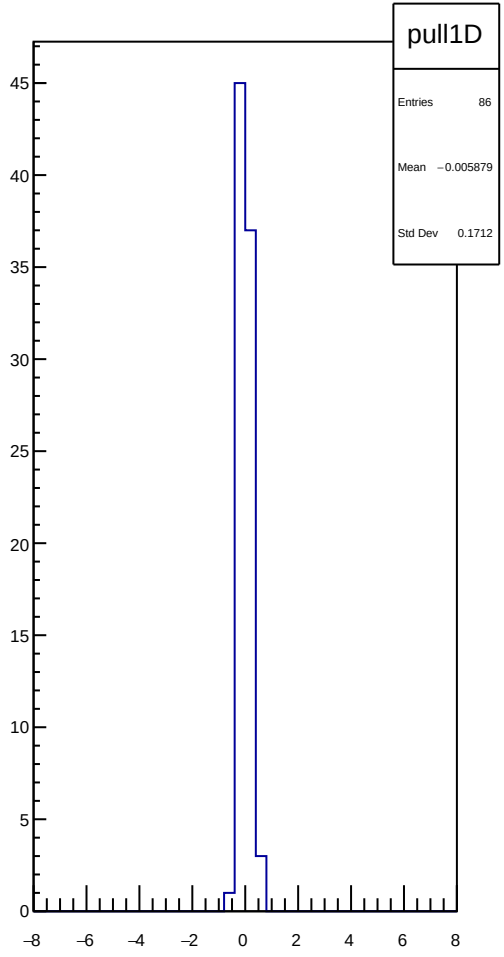

reg_asym_atr1_diff_bpm12X_slope vs run
χ^2 / ndf 1500 / 85
p0 −60.5 ± 0.1802
pull
Entries 86
Mean 138.6
Std Dev 90.34
pull1D
Entries 86
Mean −0.7091
Std Dev 2.891

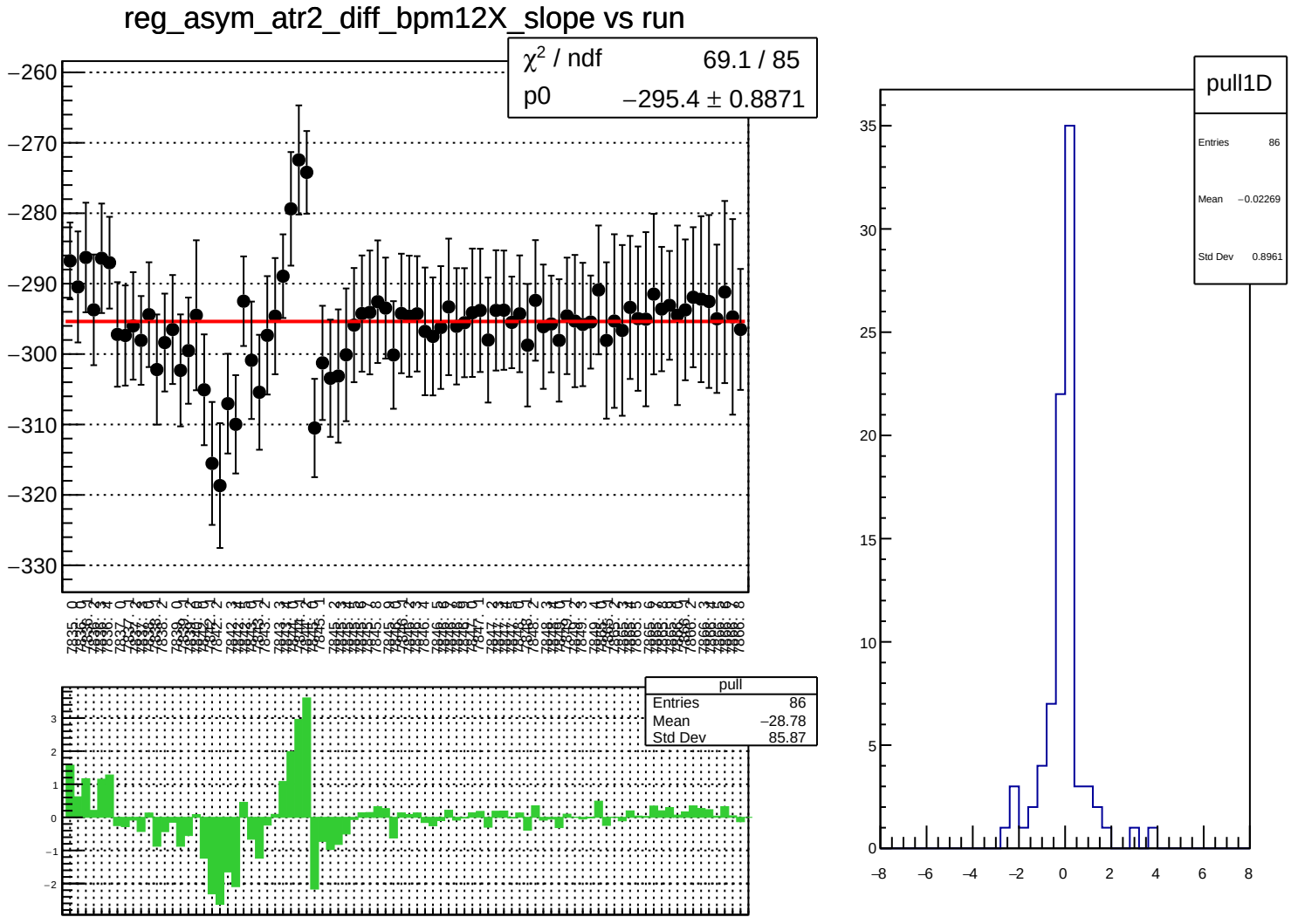

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 162.1 / 85
p0 −445.9 ± 20.28
pull
Entries 86
Mean 43.58
Std Dev 26.44
pull1D
Entries 86
Mean 0.6372
Std Dev 1.216

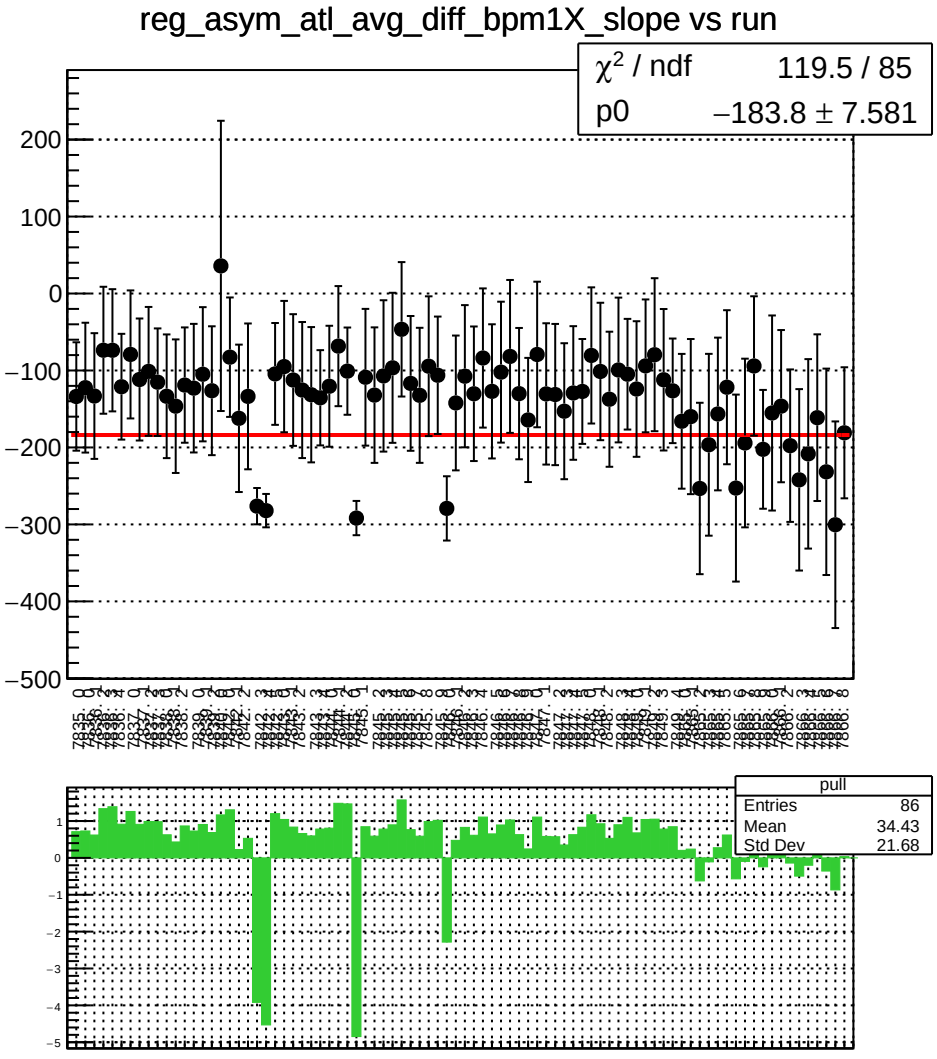

reg_asym_atr2_diff_bpm4aY_slope vs run
χ^2 / ndf 2.668 / 85
p0 100.2 ± 24.84
pull
Entries 86
Mean 419.6
Std Dev 306.8
pull1D
Entries 86
Mean −0.000605
Std Dev 0.1761

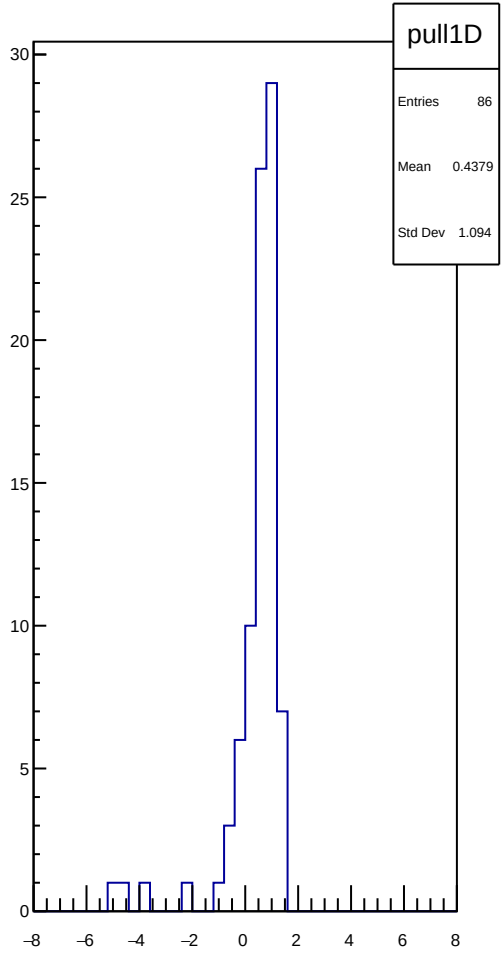

reg_asym_atr2_diff_bpm4eX_slope vs run
χ^2 / ndf 203.5 / 85
p0 568.4 ± 17.42
pull
Entries 86
Mean 44.29
Std Dev 26.46
pull1D
Entries 86
Mean −0.8142
Std Dev 1.305

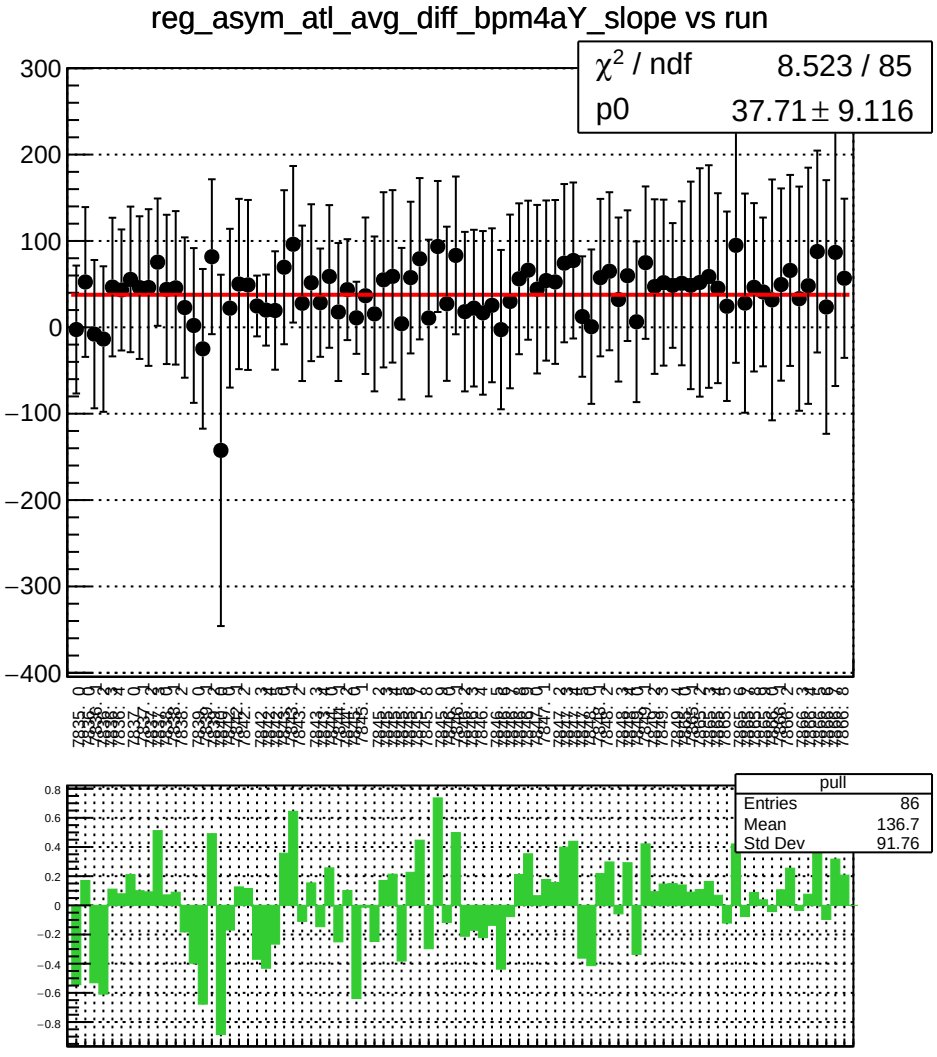

reg_asym_atr2_diff_bpm4eY_slope vs run
χ^2 / ndf 2.523 / 85
p0 9.199 ± 29.02
pull
Entries 86
Mean 182
Std Dev 144.4

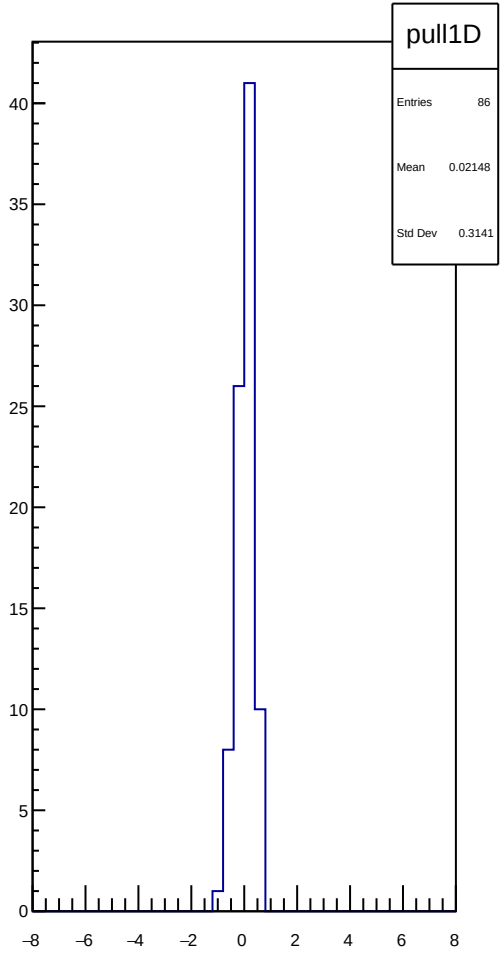

pull1D
Entries 86
Mean −0.005879
Std Dev 0.1712

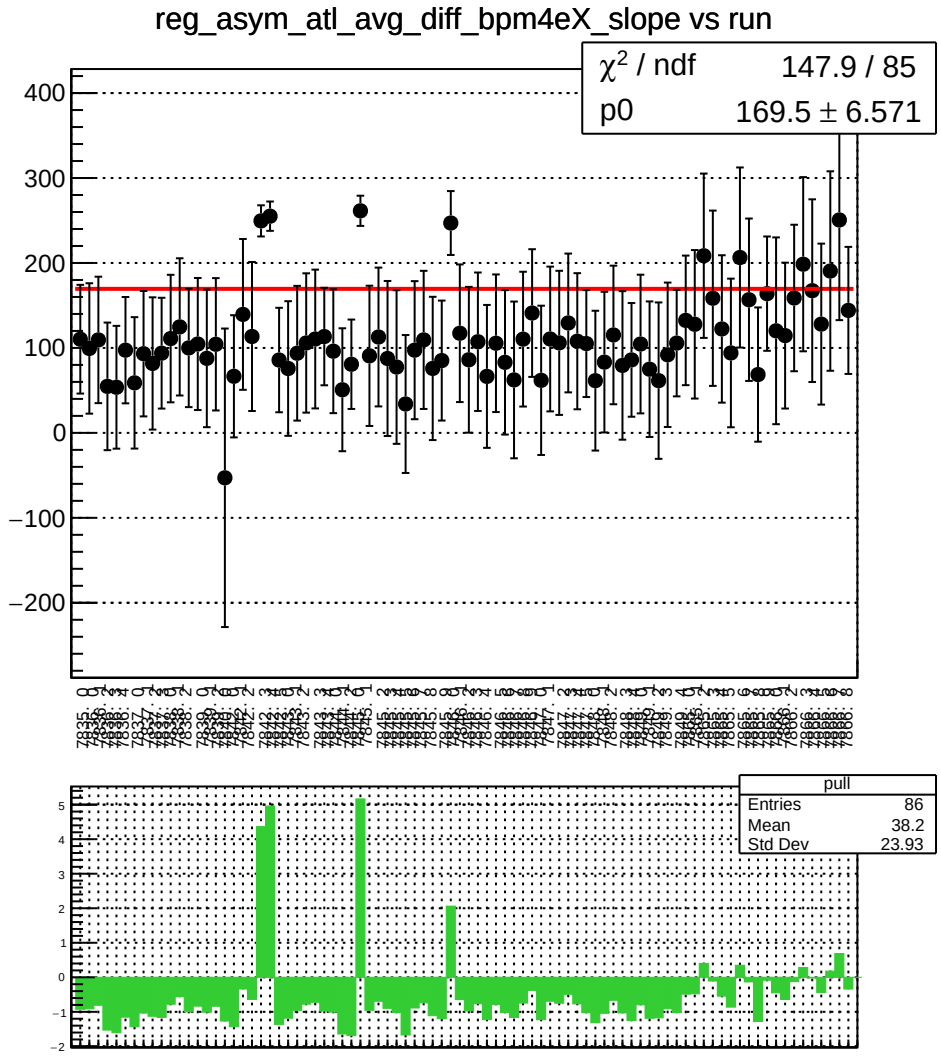

reg_asym_atr2_diff_bpm12X_slope vs run
χ^2 / ndf 69.1 / 85
p0 −295.4 ± 0.8871
pull
Entries 86
Mean −28.78
Std Dev 85.87
pull1D
Entries 86
Mean −0.02269
Std Dev 0.8961

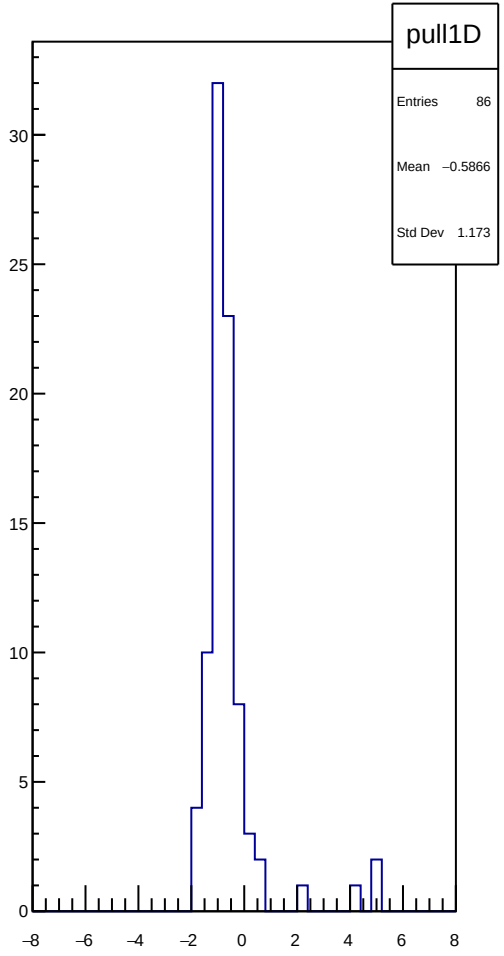

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ^2 / ndf 119.5 / 85
p0 −183.8 ± 7.581
pull
Entries 86
Mean 34.43
Std Dev 21.68

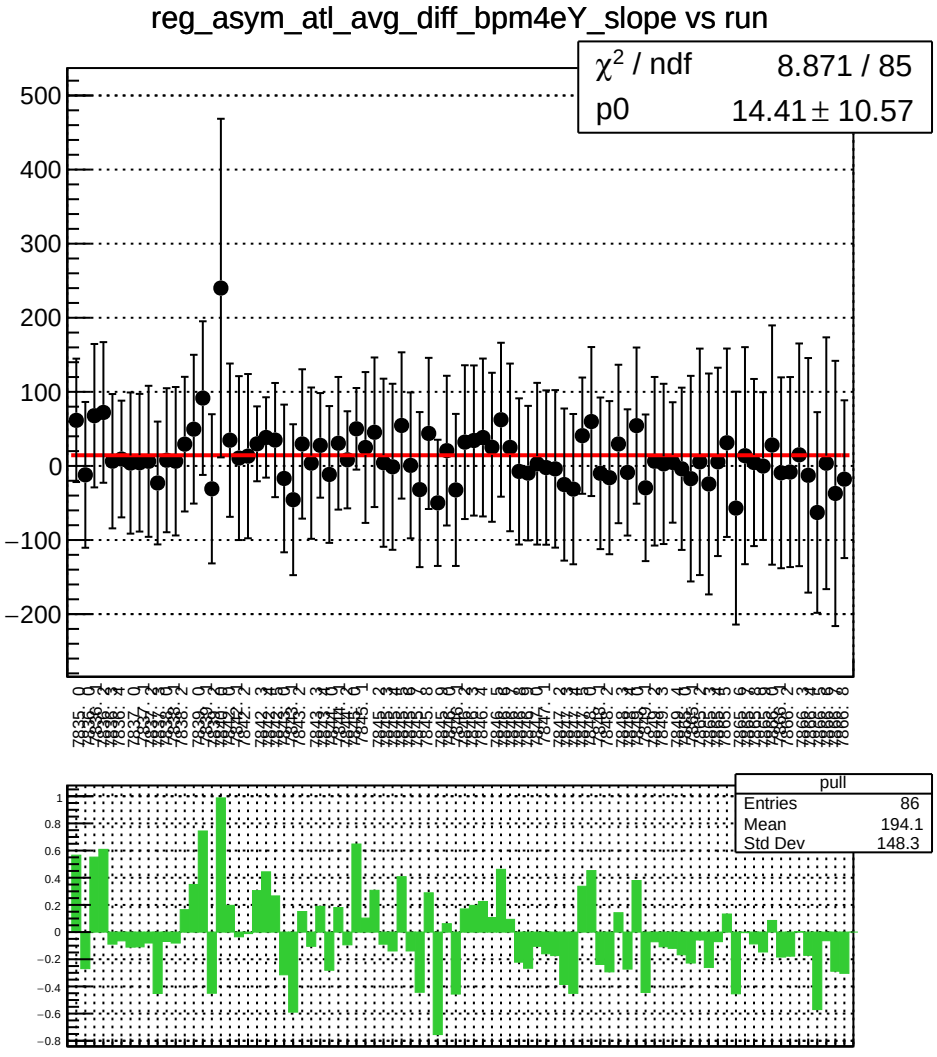

pull1D
Entries 86
Mean 0.4379
Std Dev 1.094

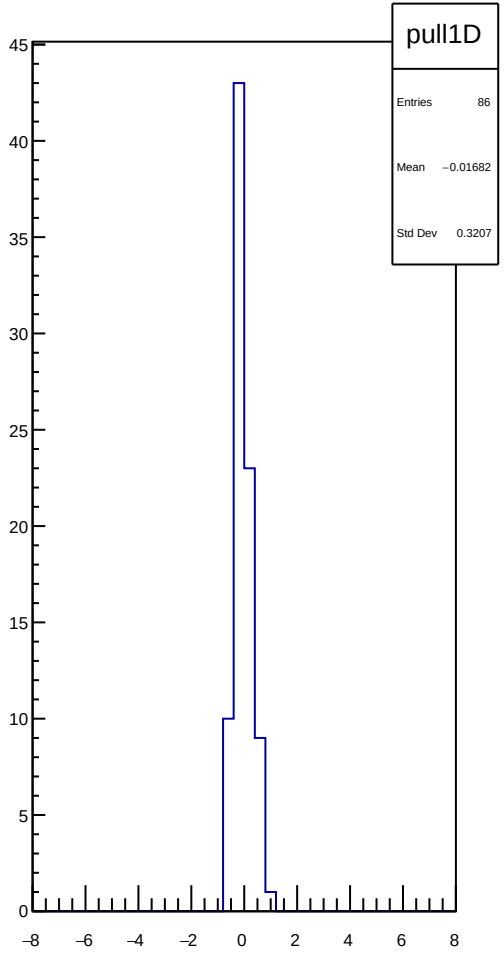

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 8.523 / 85
p0 37.71 ± 9.116
pull
Entries 86
Mean 136.7
Std Dev 91.76

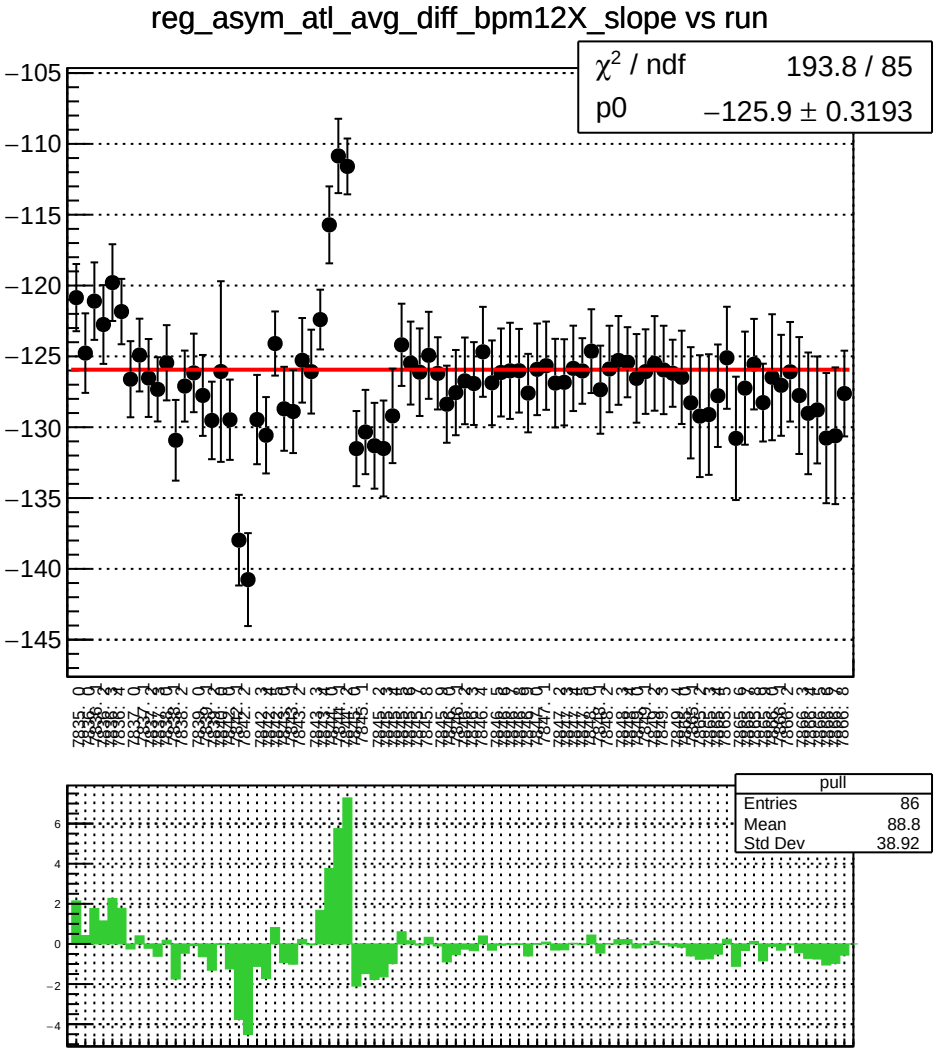

pull1D
Entries 86
Mean 0.02148
Std Dev 0.3141

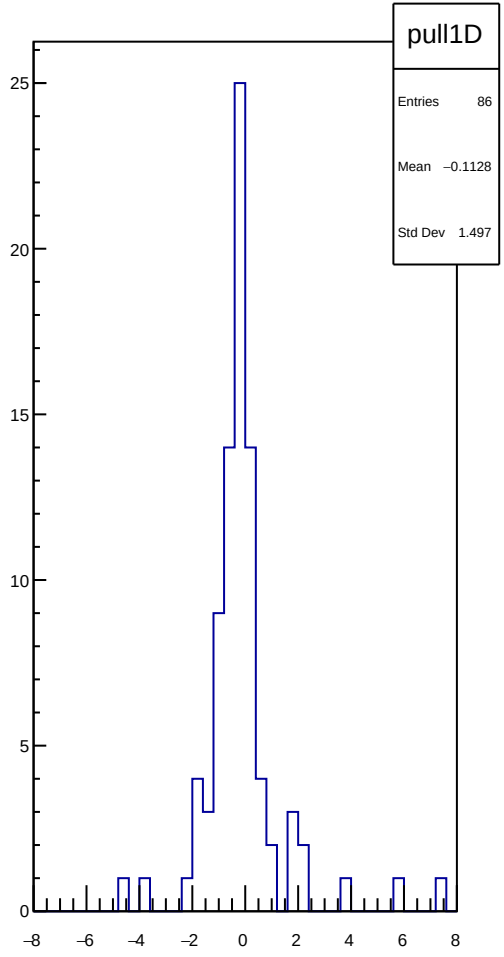

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 147.9 / 85
p0 169.5 ± 6.571
pull
Entries 86
Mean 38.2
Std Dev 23.93

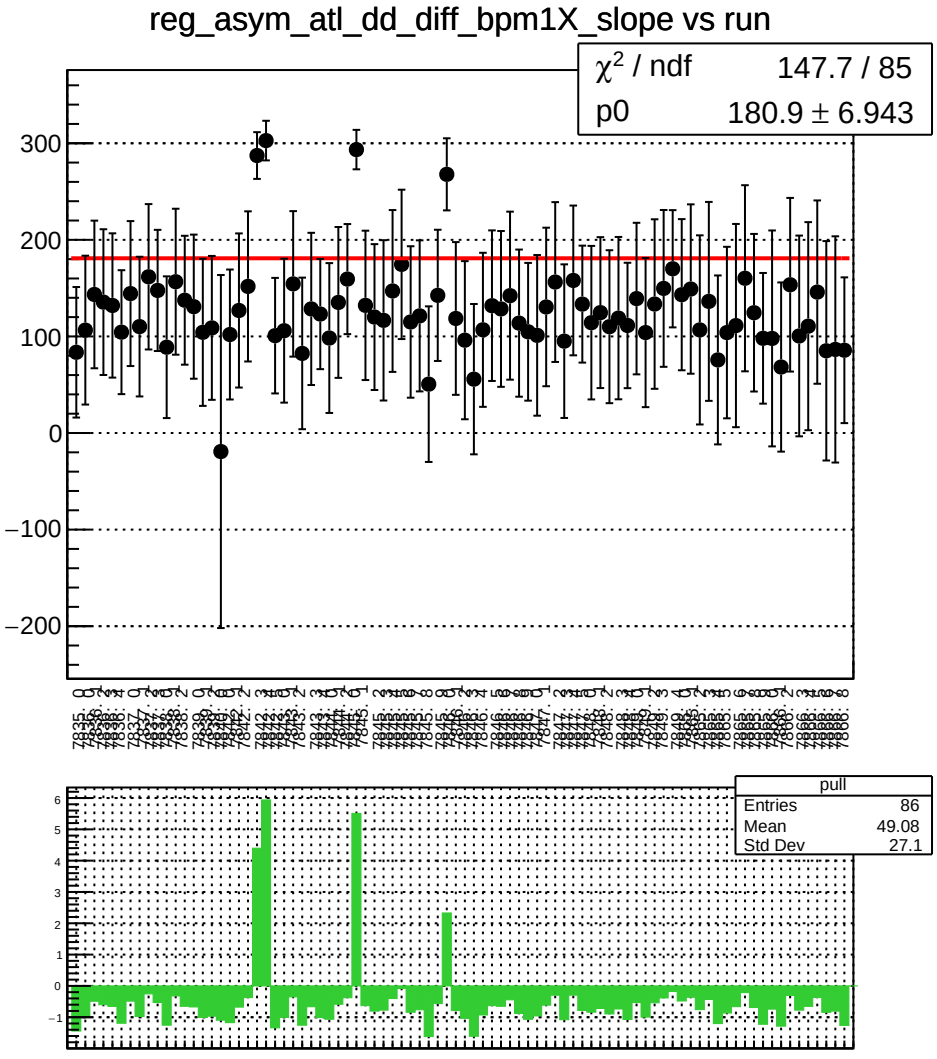

pull1D
Entries 86
Mean −0.5866
Std Dev 1.173

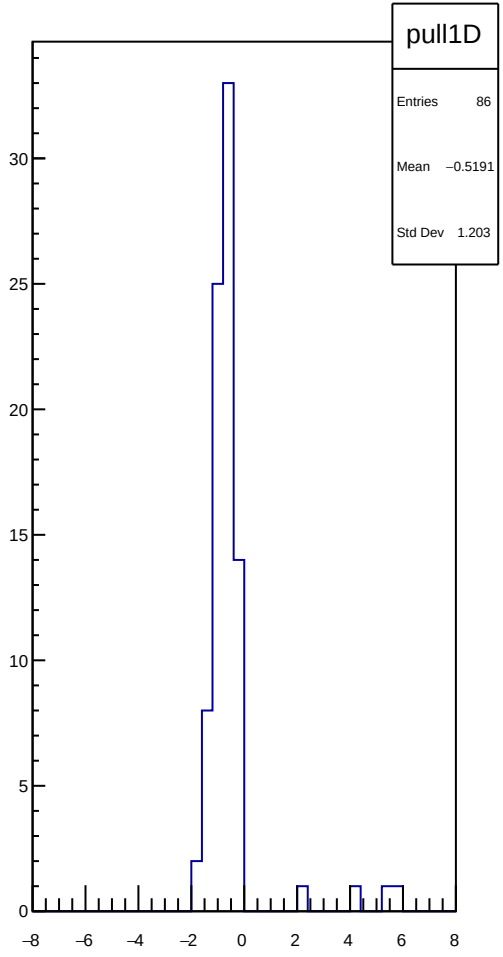

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 8.871 / 85
p0 14.41 ± 10.57
pull
Entries 86
Mean 194.1
Std Dev 148.3

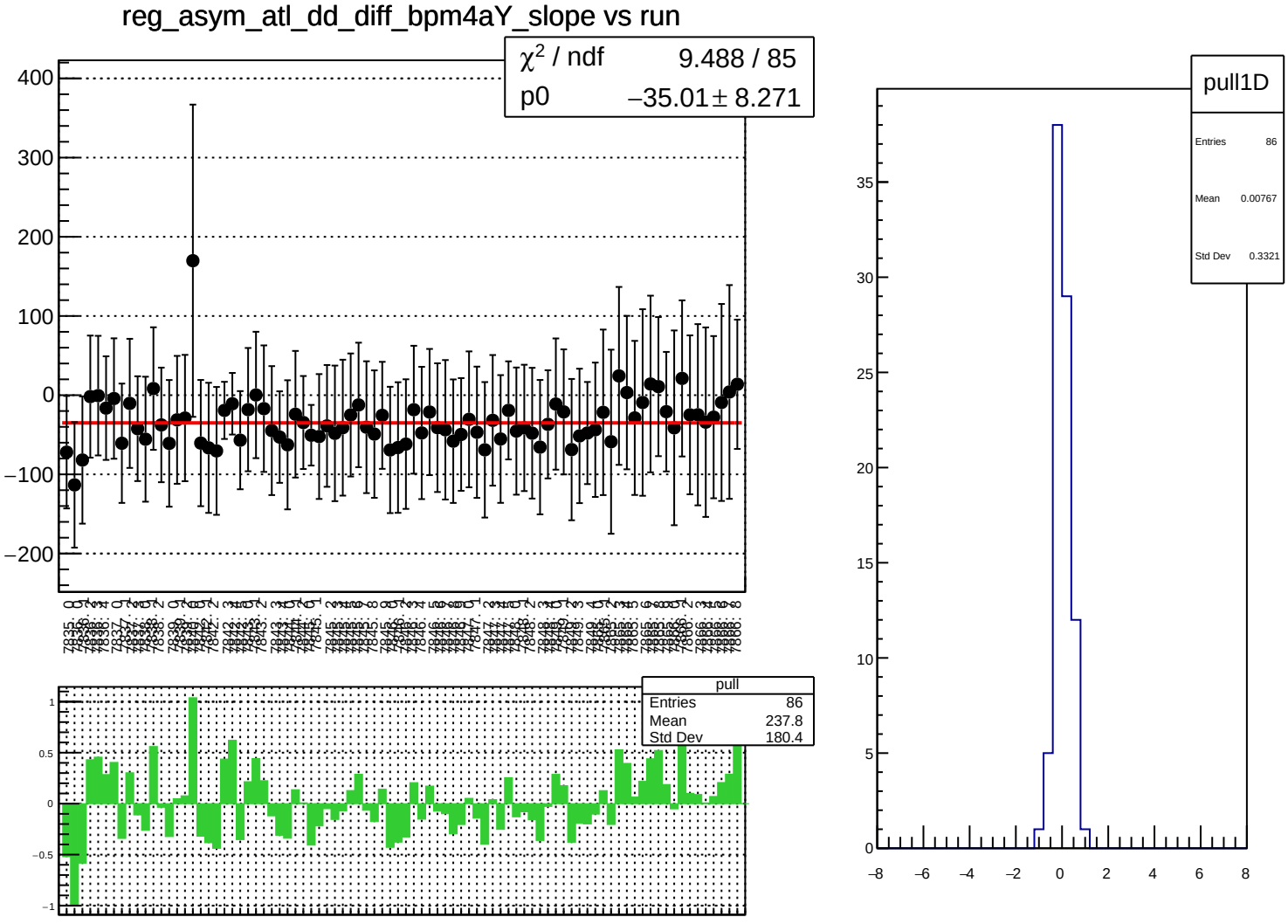

pull1D
Entries 86
Mean −0.01682
Std Dev 0.3207

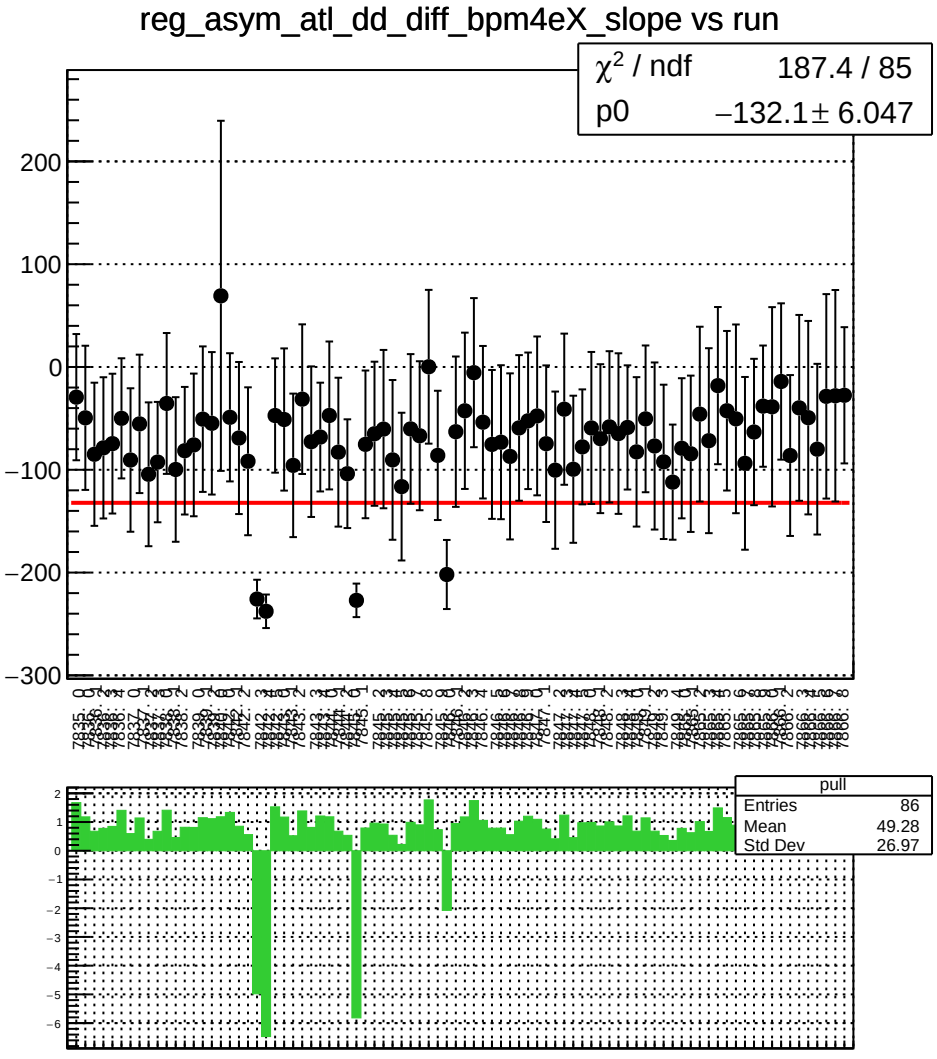

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 193.8 / 85
p0 −125.9 ± 0.3193
pull
Entries 86
Mean 88.8
Std Dev 38.92

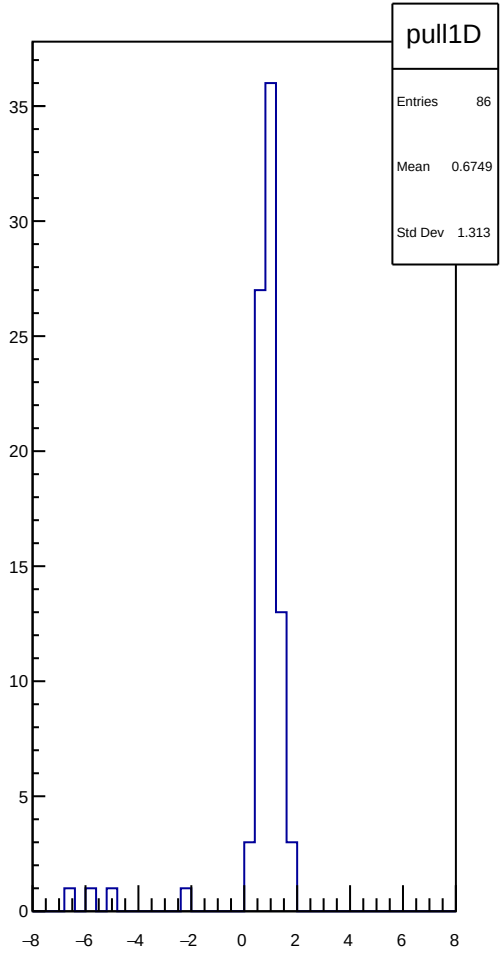

pull1D
Entries 86
Mean −0.1128
Std Dev 1.497

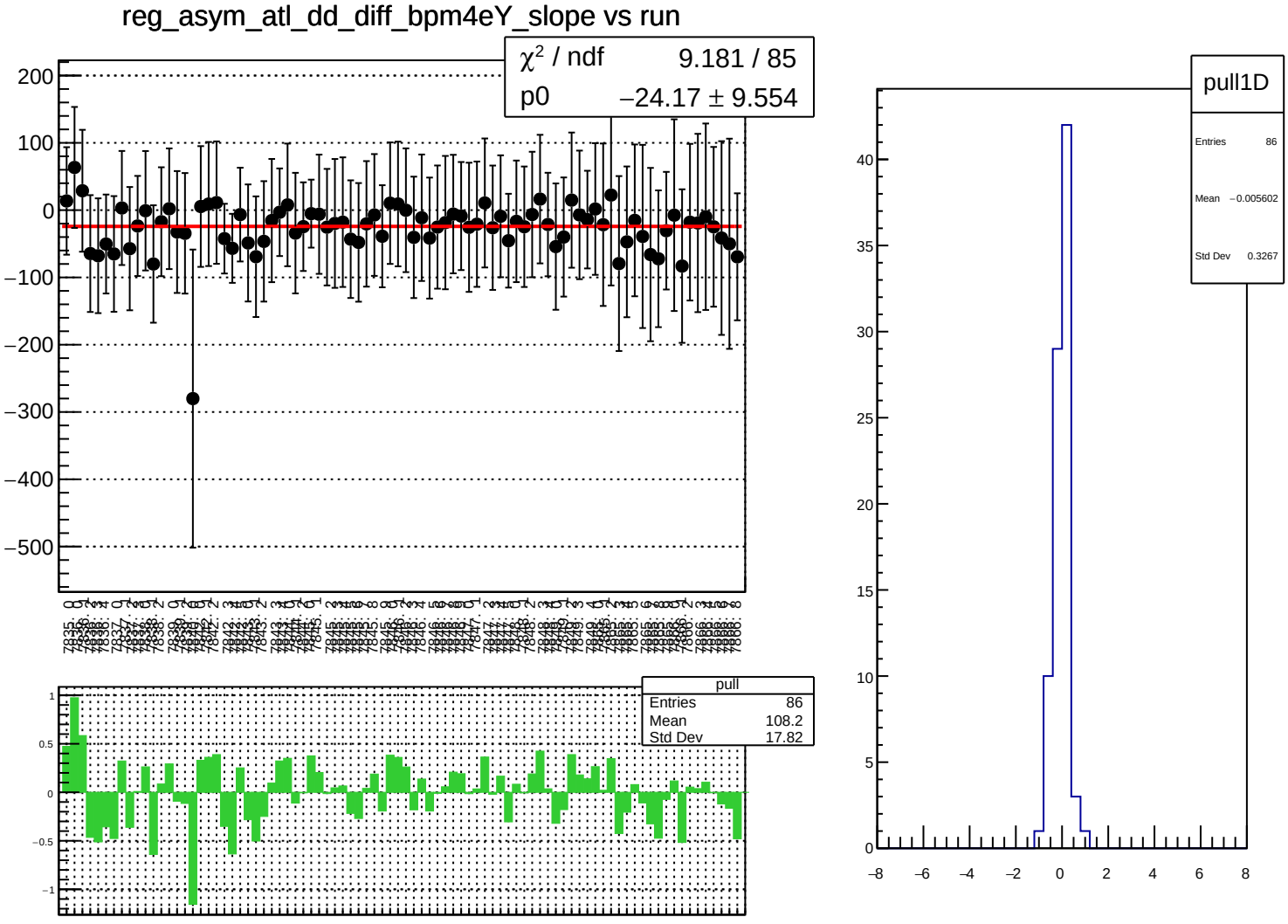

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ^2 / ndf 147.7 / 85
p0 180.9 ± 6.943
pull
Entries 86
Mean 49.08
Std Dev 27.1

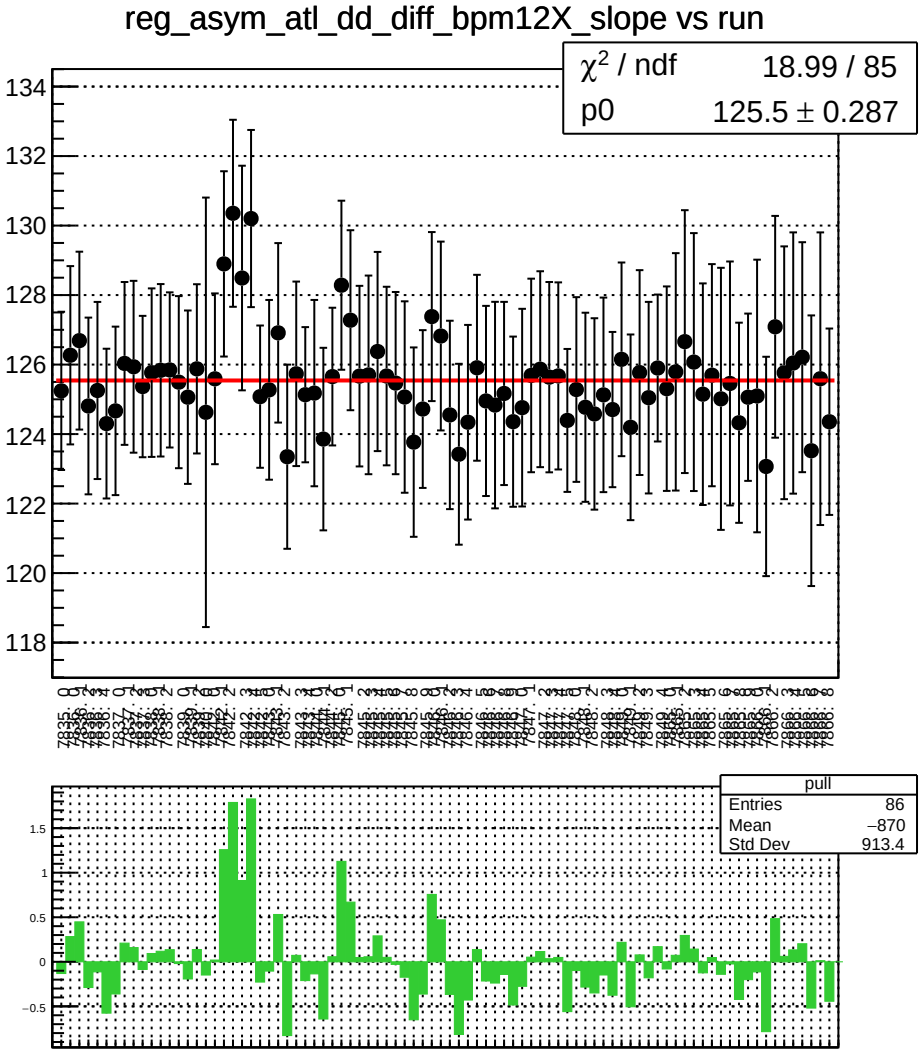

pull1D
Entries 86
Mean −0.5191
Std Dev 1.203

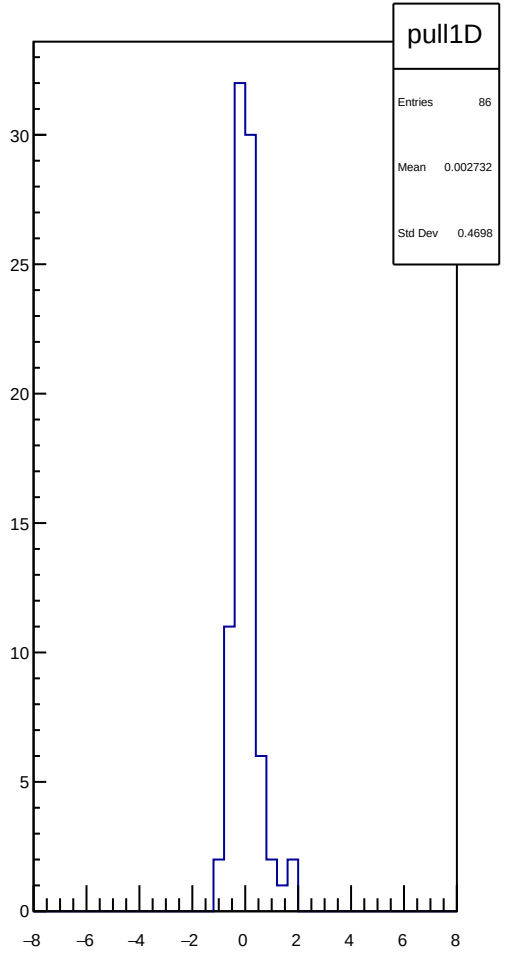

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.488 / 85
p0 −35.01 ± 8.271
pull
Entries 86
Mean 237.8
Std Dev 180.4
pull1D
Entries 86
Mean 0.00767
Std Dev 0.3321

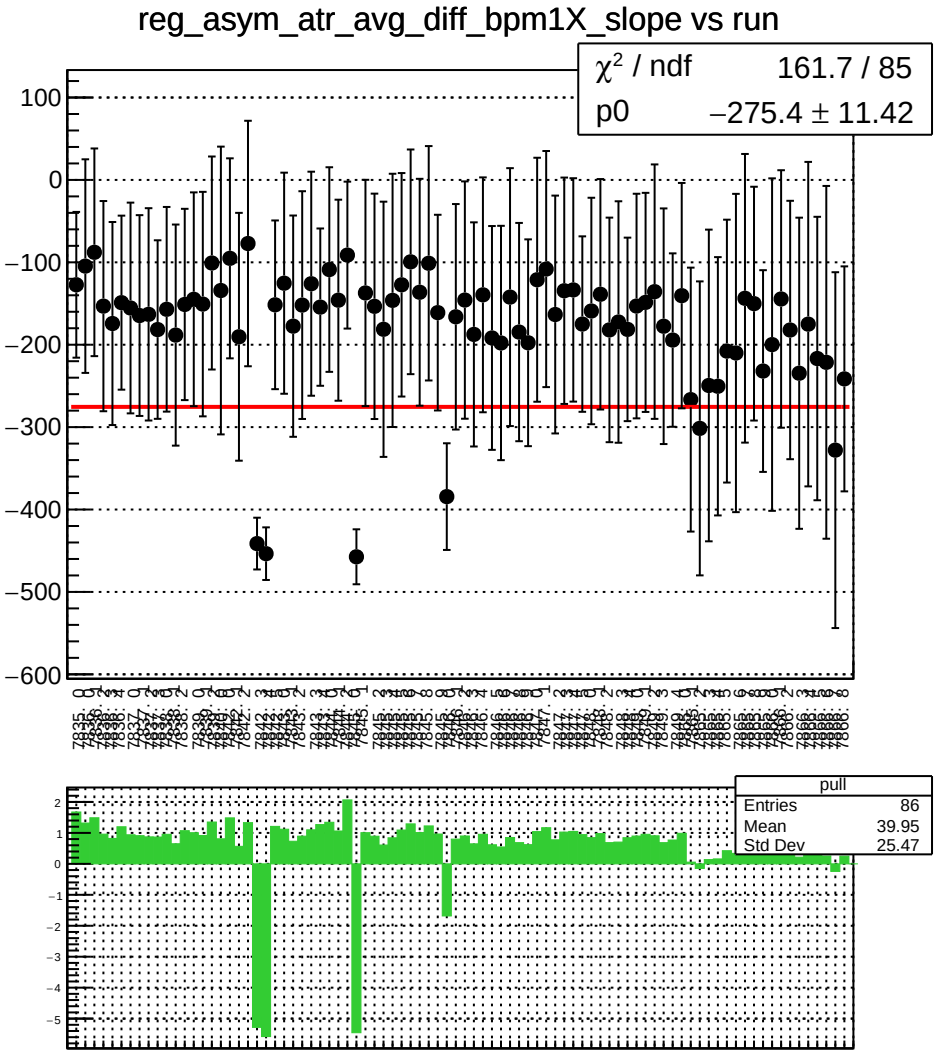

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 187.4 / 85
p0 −132.1 ± 6.047
pull
Entries 86
Mean 49.28
Std Dev 26.97

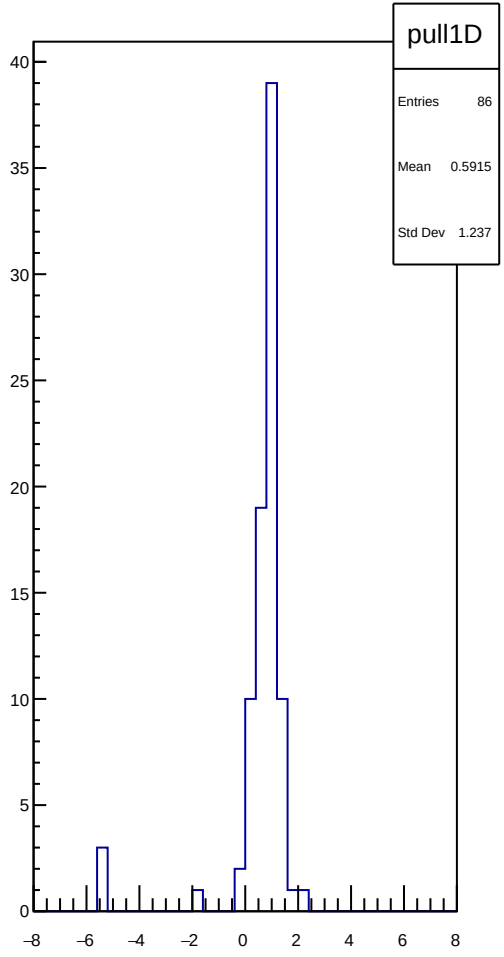

pull1D
Entries 86
Mean 0.6749
Std Dev 1.313

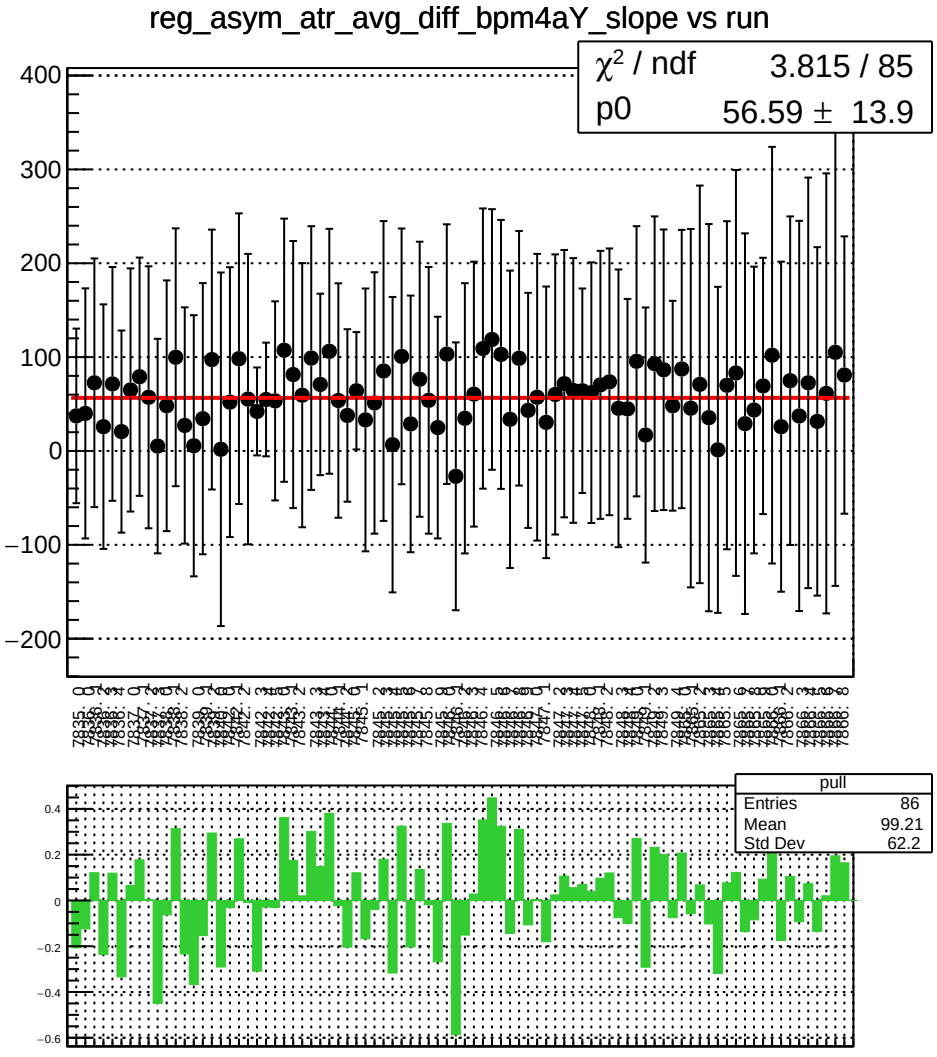

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 9.181 / 85
p0 −24.17 ± 9.554
pull
Entries 86
Mean 108.2
Std Dev 17.82
pull1D
Entries 86
Mean −0.005602
Std Dev 0.3267

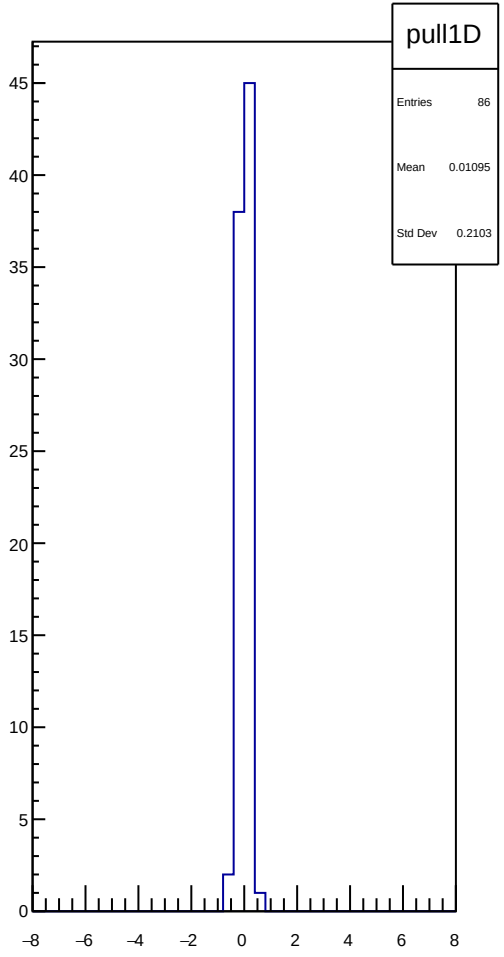

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ^2 / ndf 18.99 / 85
p0 125.5 ± 0.287
134
132
130
128
126
124
122
120
118
pull
Entries 86
Mean −870
Std Dev 913.4
1.5
1
0.5
0
−0.5

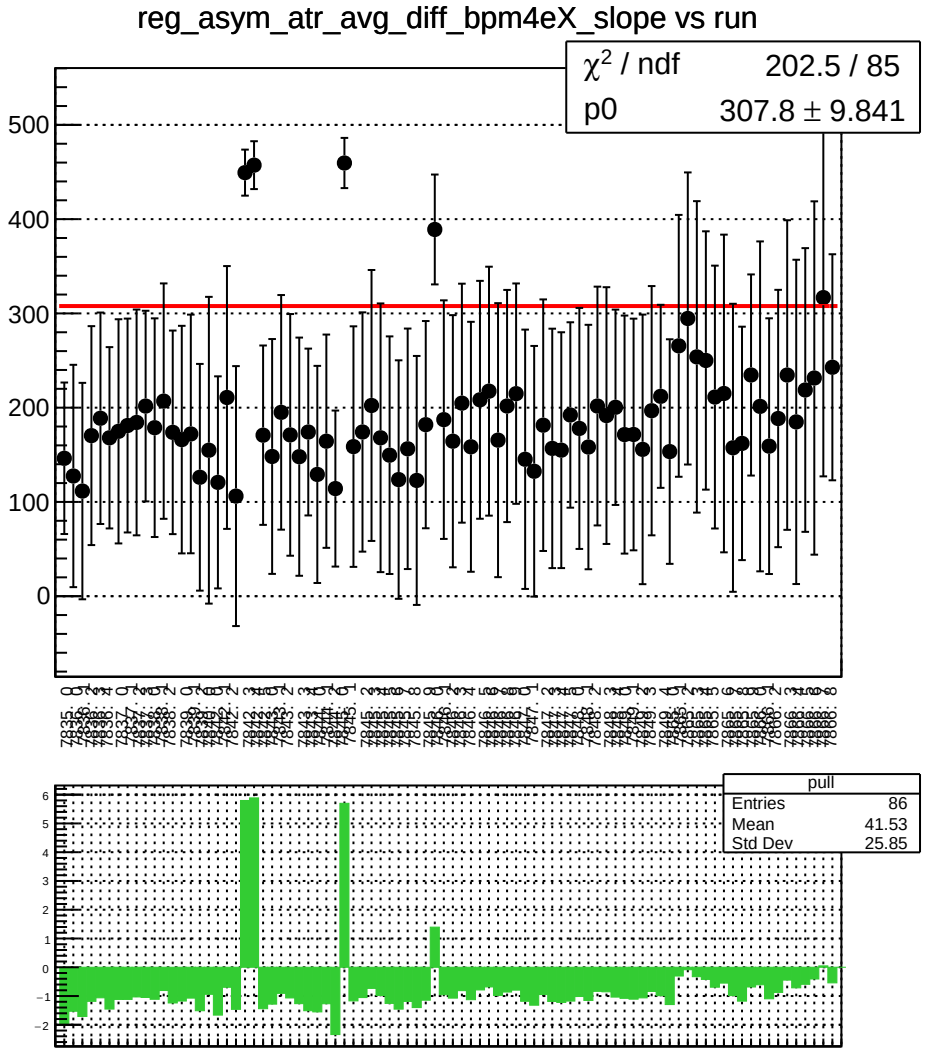

pull1D
Entries 86
Mean 0.002732
Std Dev 0.4698
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

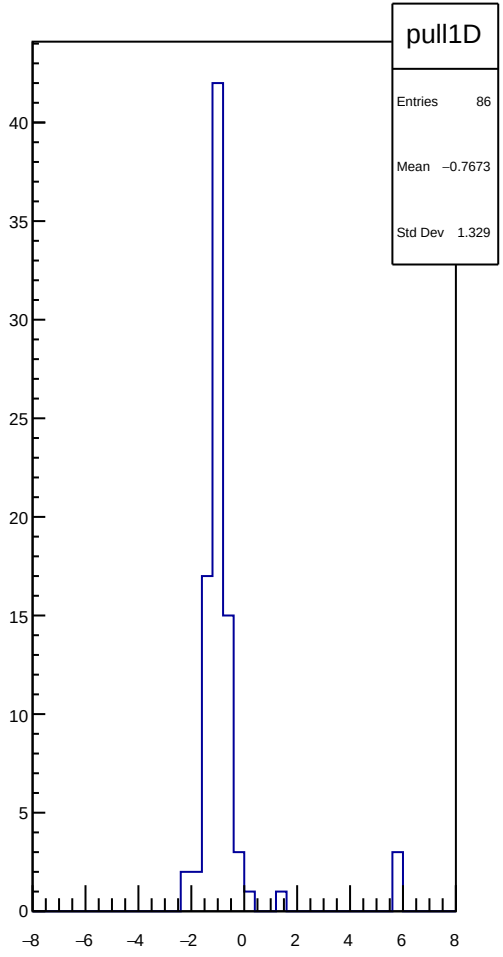

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ^2 / ndf 161.7 / 85
p0 −275.4 ± 11.42
pull
Entries 86
Mean 39.95
Std Dev 25.47

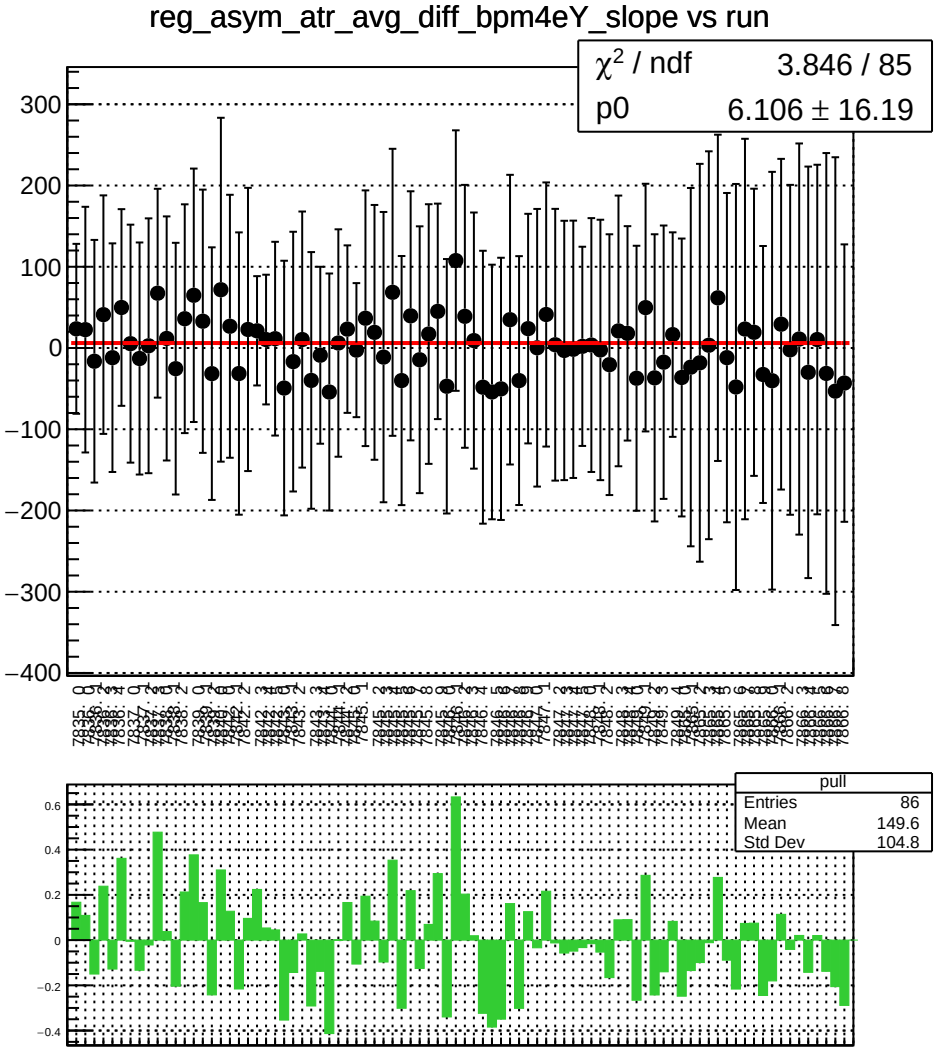

pull1D
Entries 86
Mean 0.5915
Std Dev 1.237

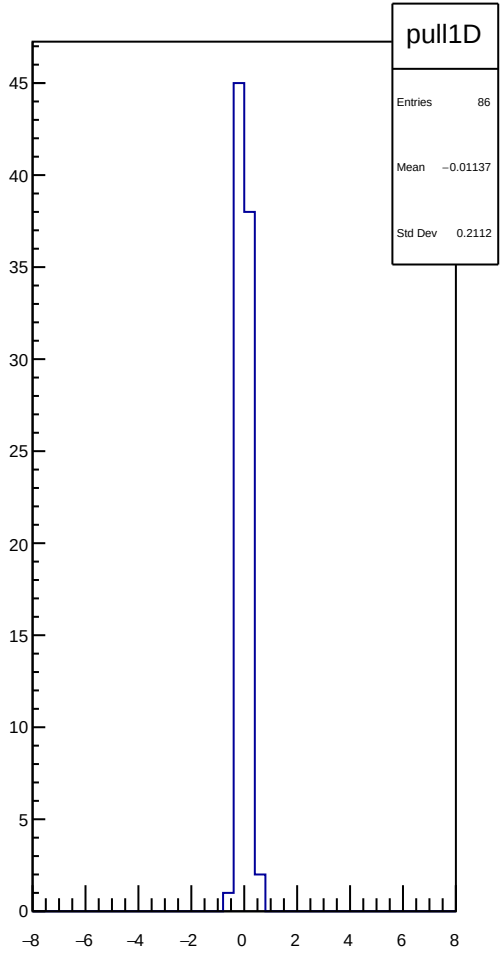

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 3.815 / 85
p0 56.59 ± 13.9
pull
Entries 86
Mean 99.21
Std Dev 62.2

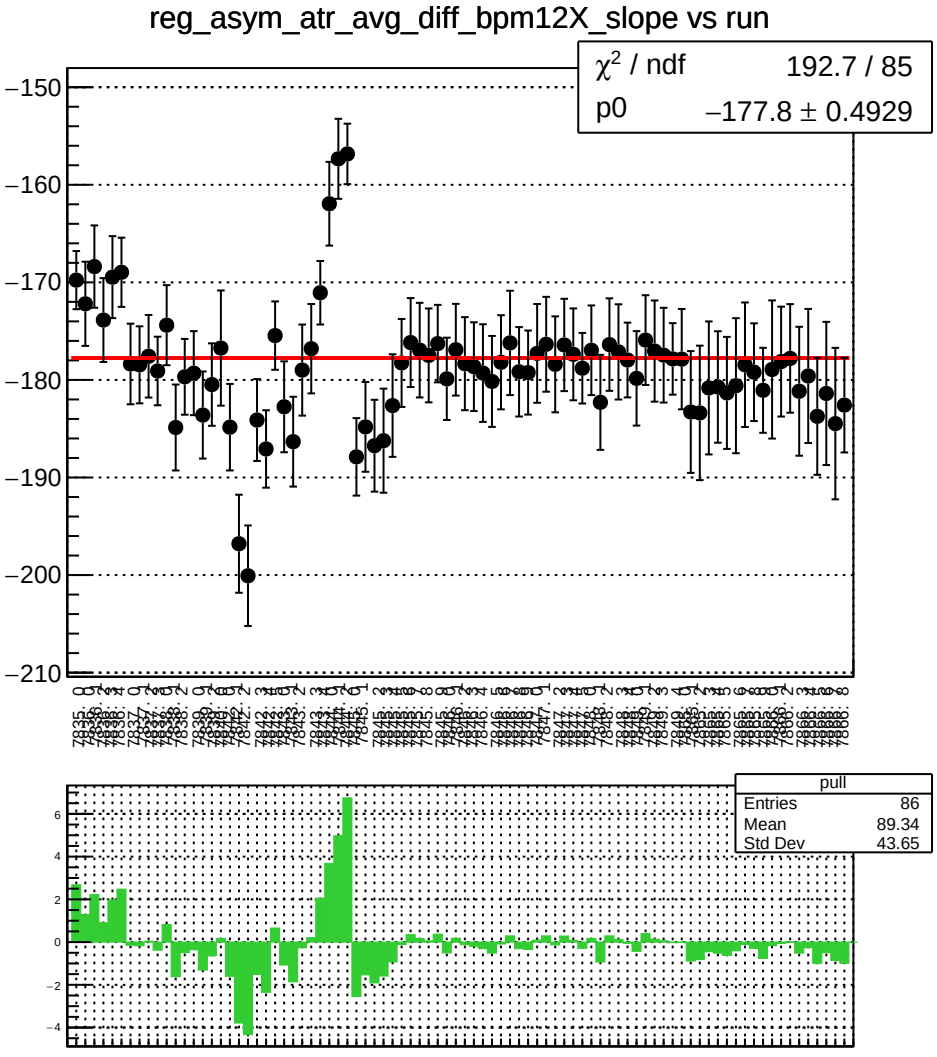

pull1D
Entries 86
Mean 0.01095
Std Dev 0.2103

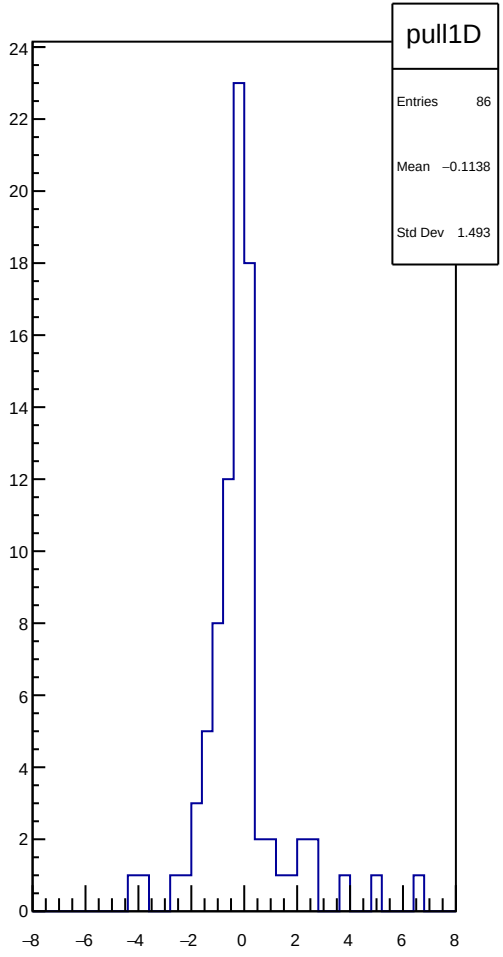

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 202.5 / 85
p0 307.8 ± 9.841
pull
Entries 86
Mean 41.53
Std Dev 25.85

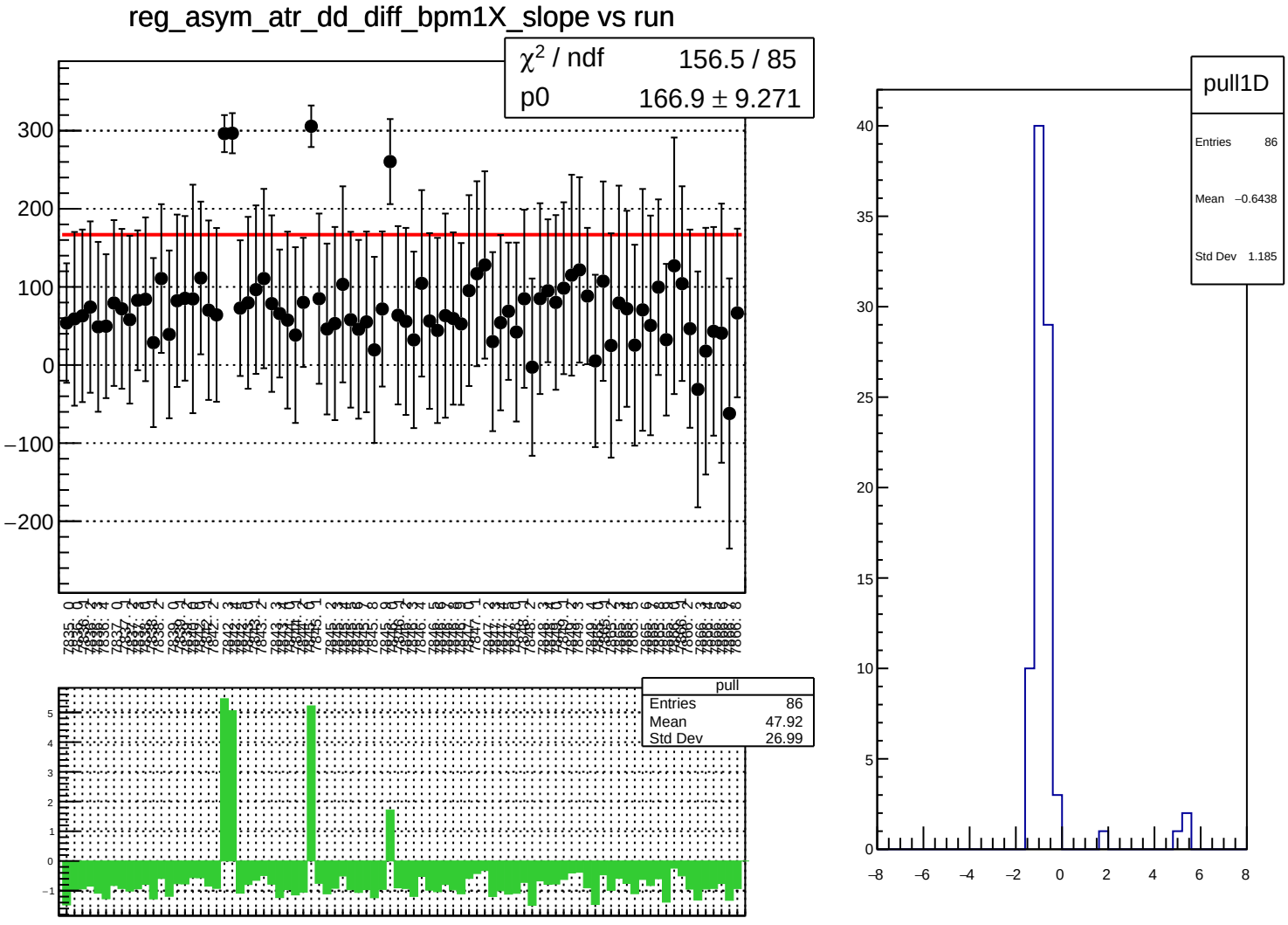

pull1D
Entries 86
Mean −0.7673
Std Dev 1.329

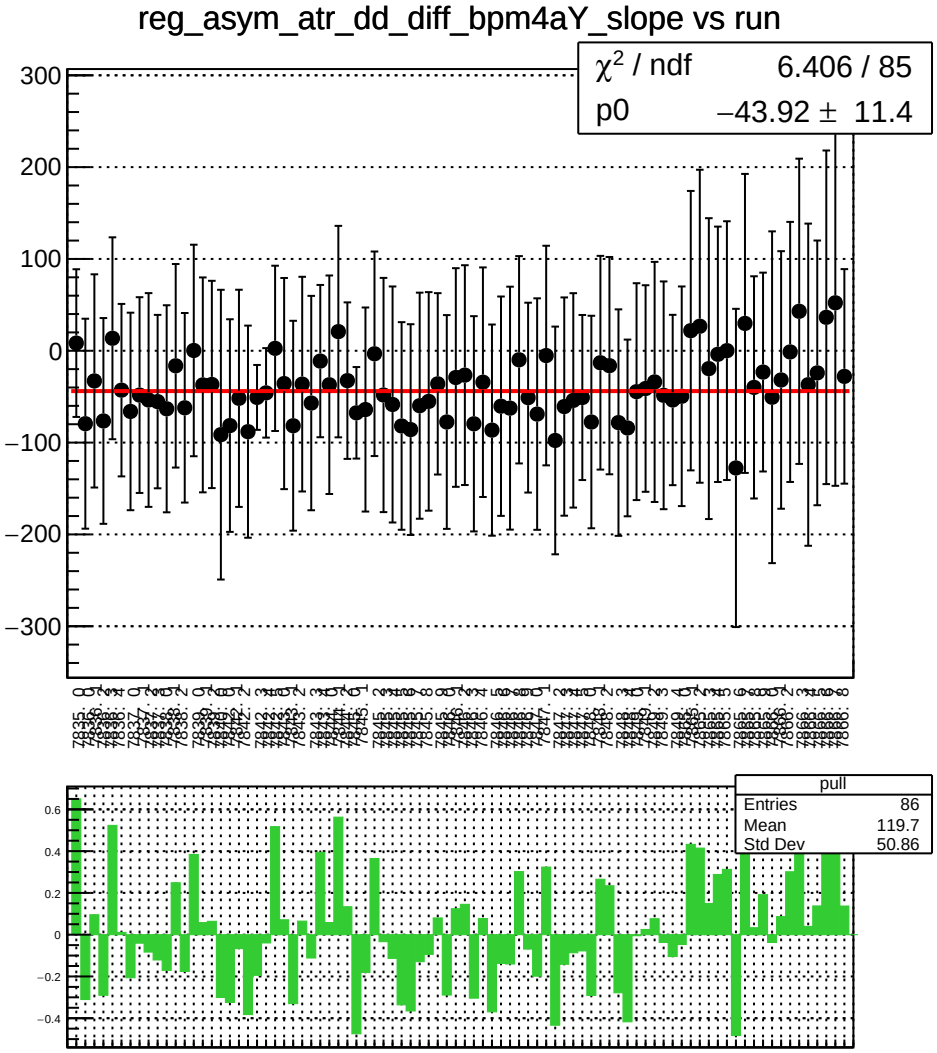

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 3.846 / 85
p0 6.106 ± 16.19
pull
Entries 86
Mean 149.6
Std Dev 104.8

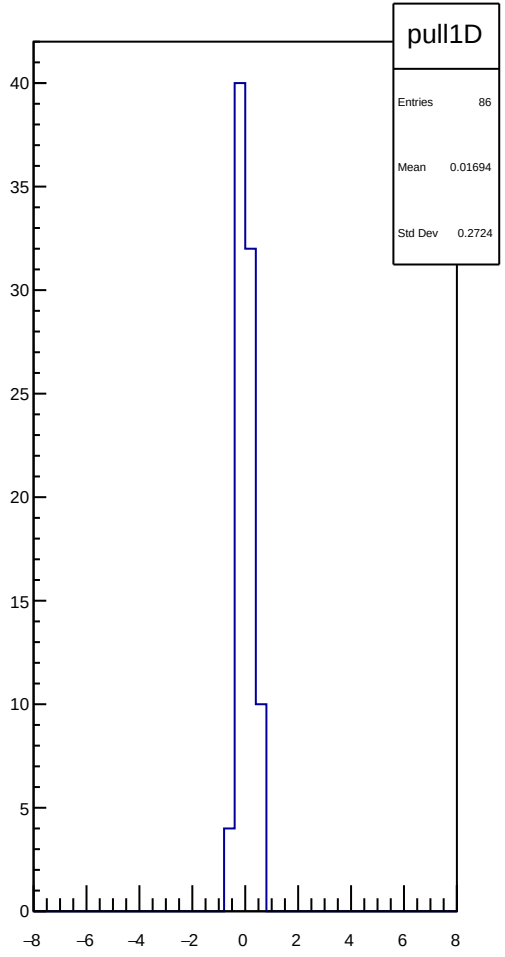

pull1D
Entries 86
Mean −0.01137
Std Dev 0.2112

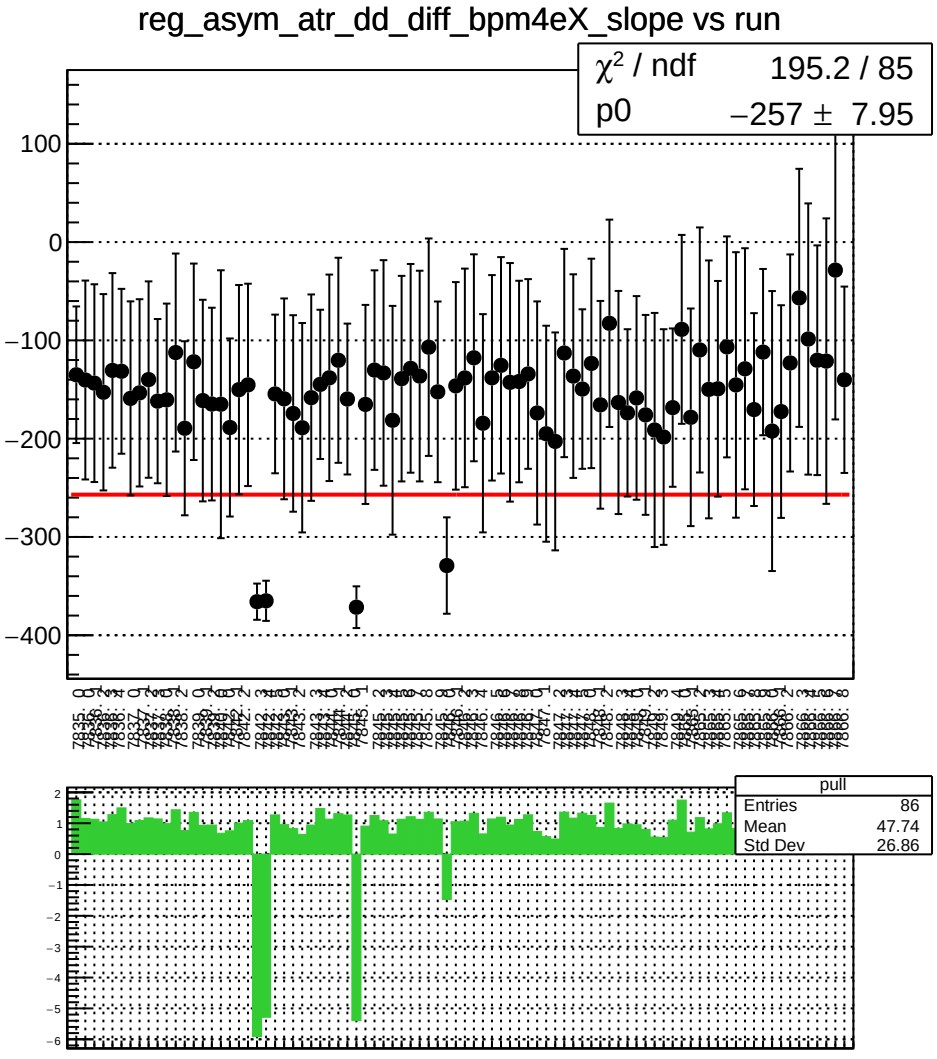

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 192.7 / 85
p0 −177.8 ± 0.4929
pull
Entries 86
Mean 89.34
Std Dev 43.65

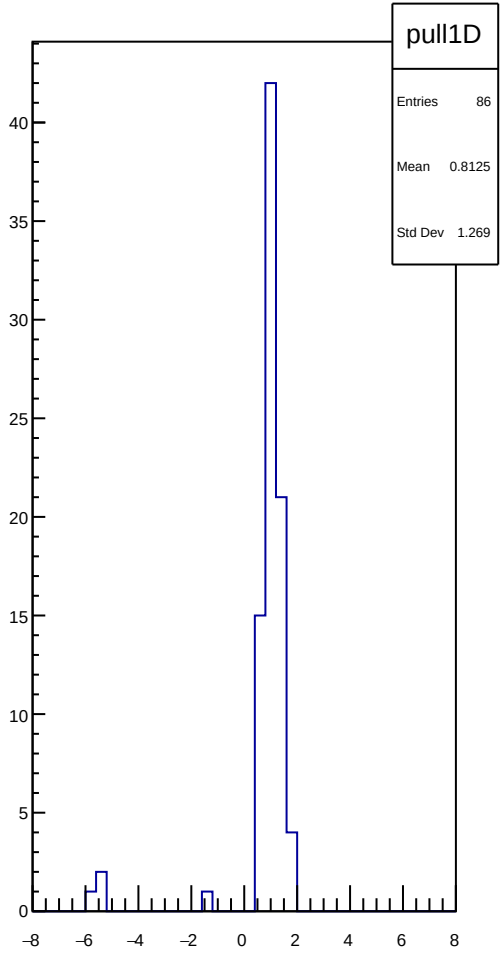

pull1D
Entries 86
Mean −0.1138
Std Dev 1.493

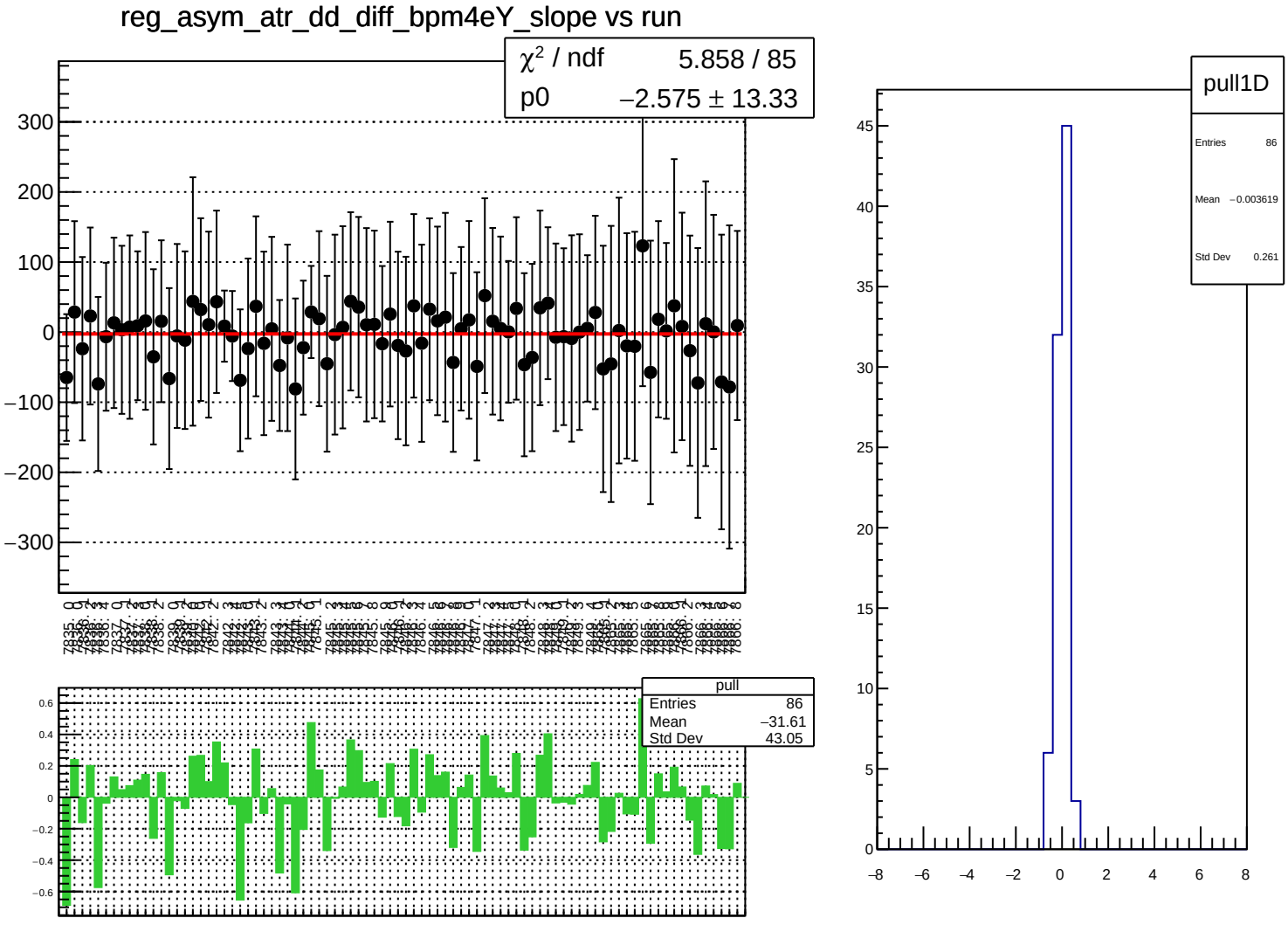

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 156.5 / 85
p0 166.9 ± 9.271
pull
Entries 86
Mean 47.92
Std Dev 26.99
pull1D
Entries 86
Mean −0.6438
Std Dev 1.185

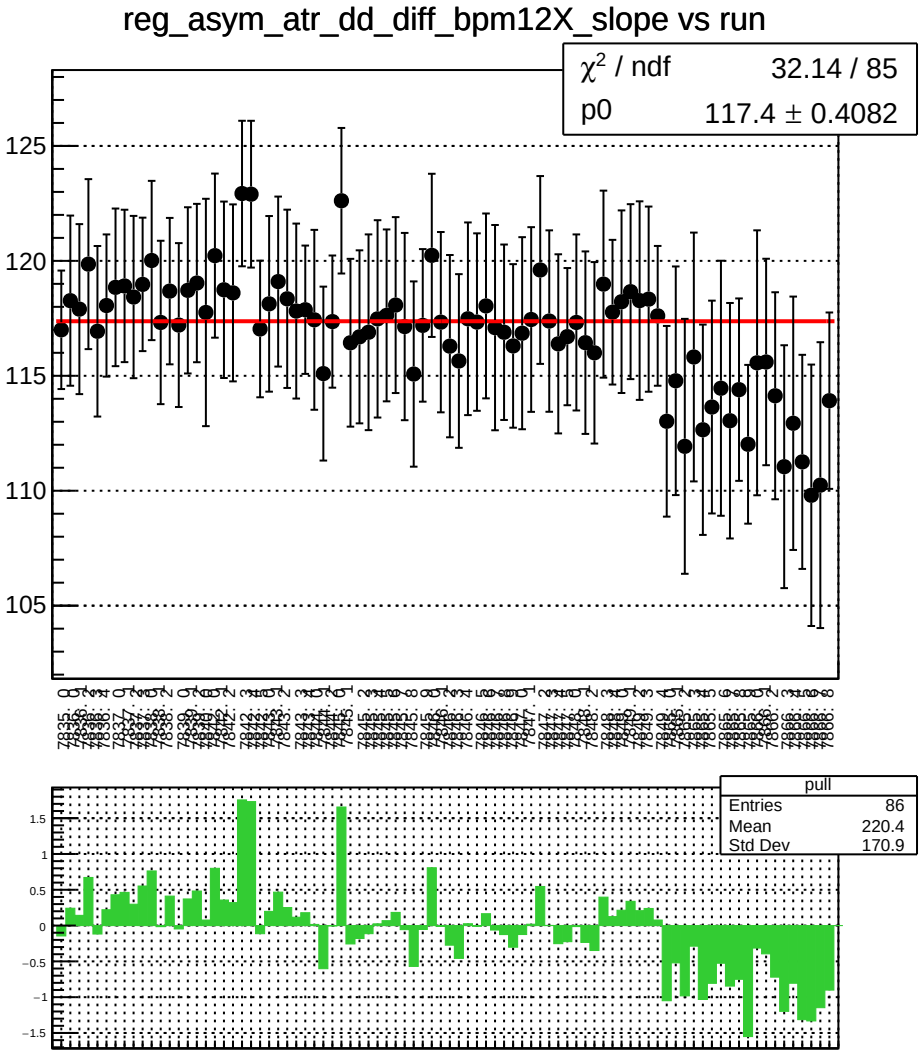

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 6.406 / 85
p0 −43.92 ± 11.4
pull
Entries 86
Mean 119.7
Std Dev 50.86

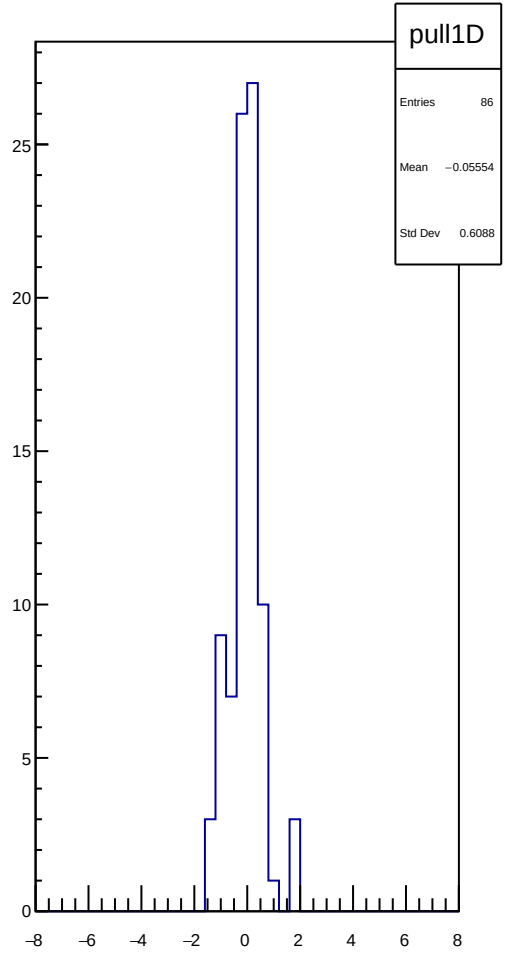

pull1D
Entries 86
Mean 0.01694
Std Dev 0.2724

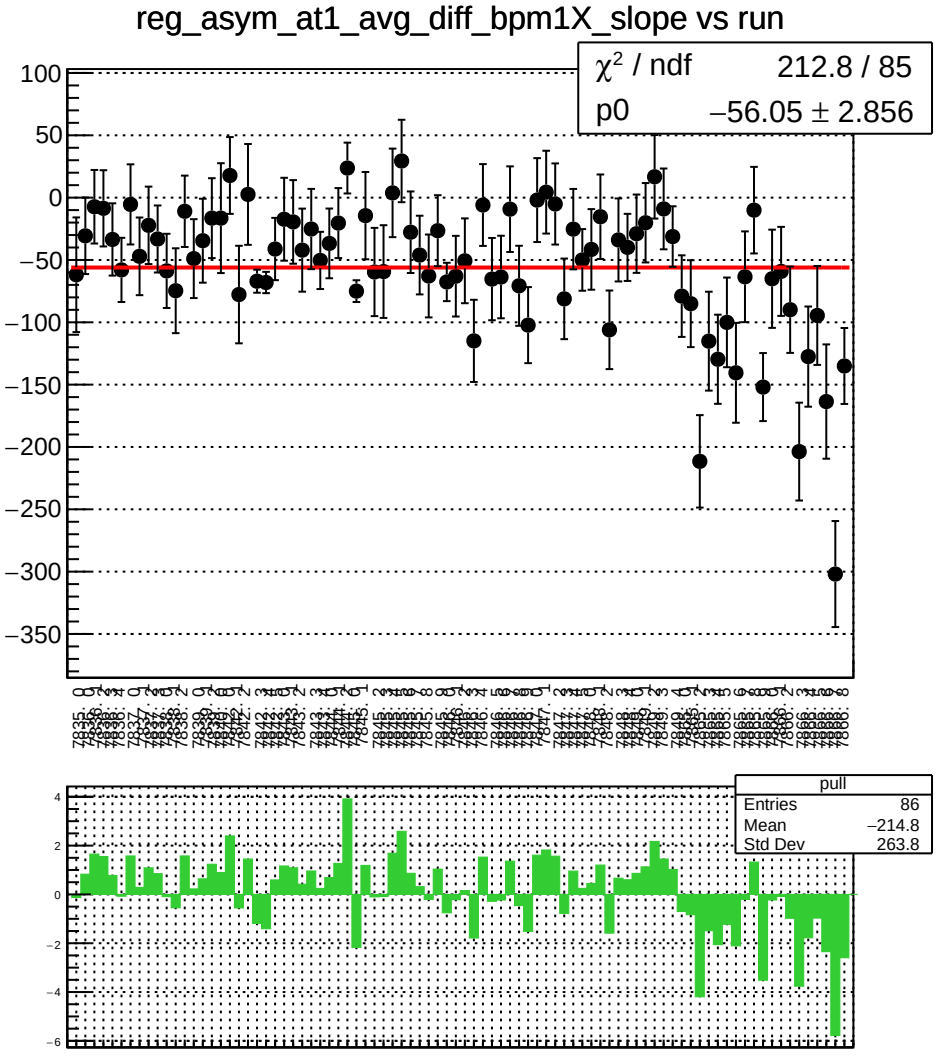

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 195.2 / 85
p0 −257 ± 7.95
pull
Entries 86
Mean 47.74
Std Dev 26.86

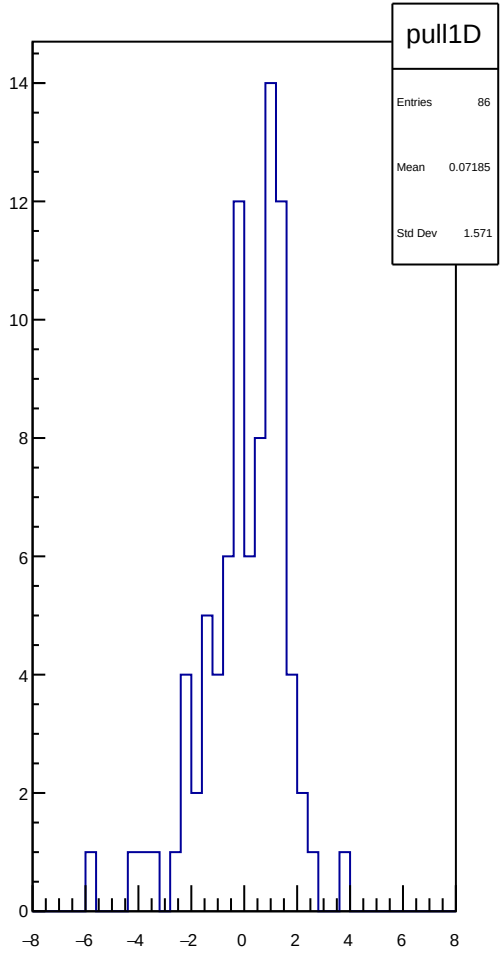

pull1D
Entries 86
Mean 0.8125
Std Dev 1.269

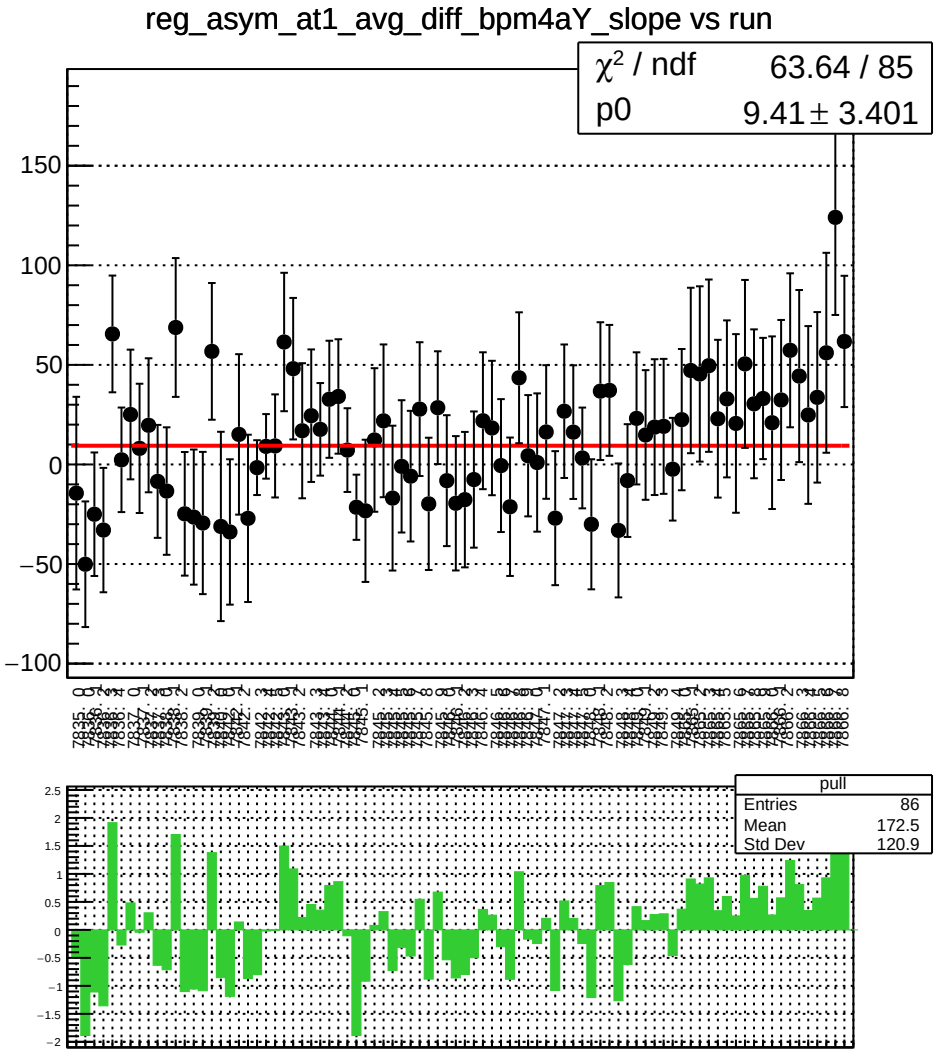

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.858 / 85
p0 −2.575 ± 13.33
pull
Entries 86
Mean −31.61
Std Dev 43.05
pull1D
Entries 86
Mean −0.003619
Std Dev 0.261

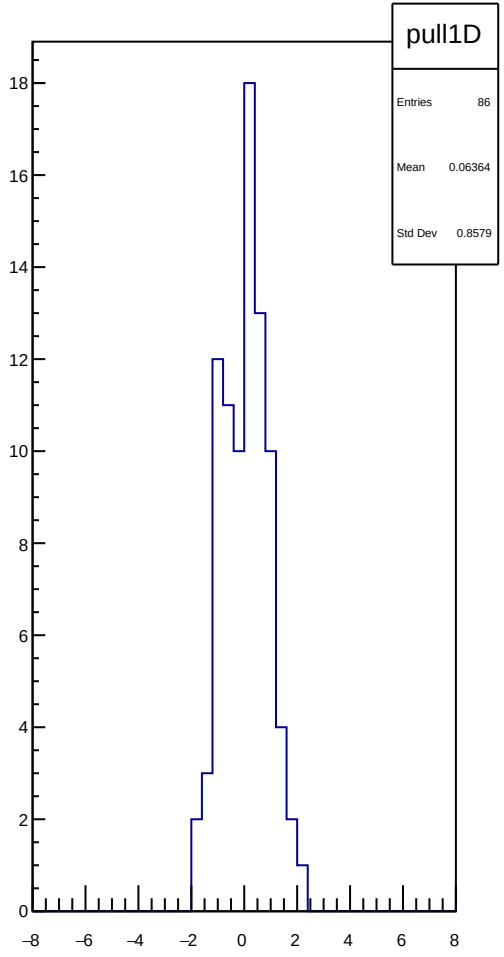

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ^2 / ndf 32.14 / 85
p0 117.4 ± 0.4082
125
120
115
110
105
pull
Entries 86
Mean 220.4
Std Dev 170.9
1.5
1
0.5
0
−0.5
−1
−1.5

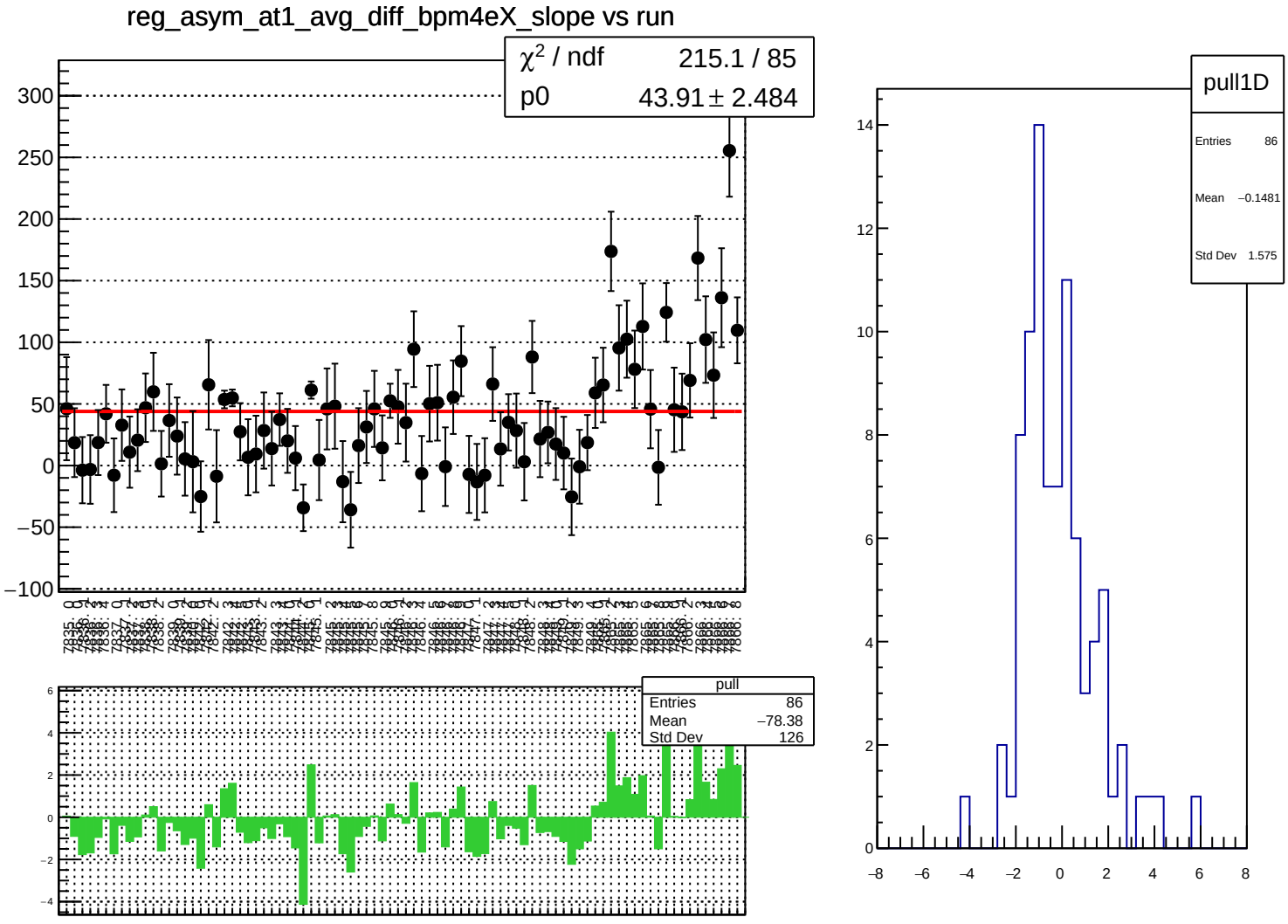

pull1D
Entries 86
Mean −0.05554
Std Dev 0.6088
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

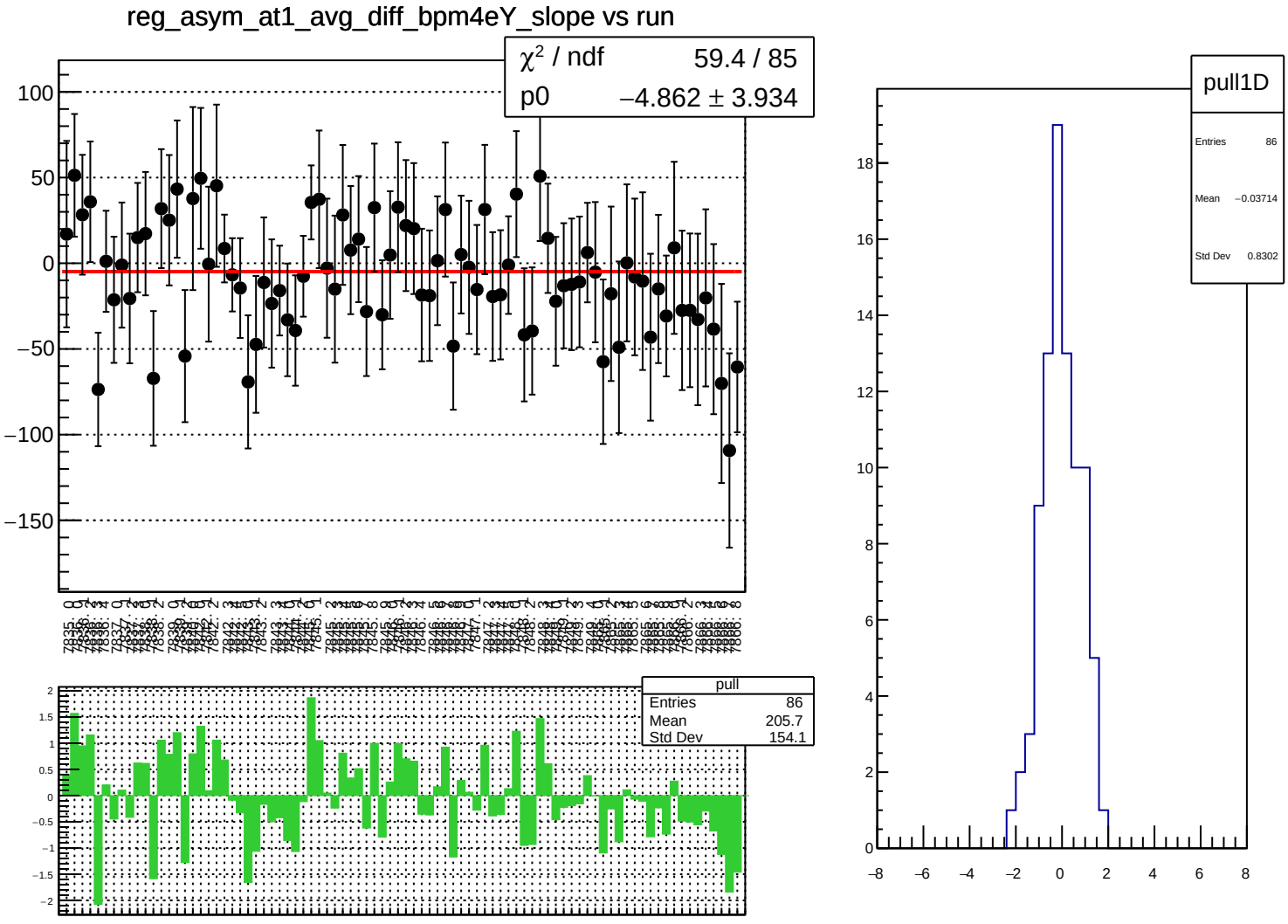

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ^2 / ndf 212.8 / 85
p0 −56.05 ± 2.856
pull
Entries 86
Mean −214.8
Std Dev 263.8

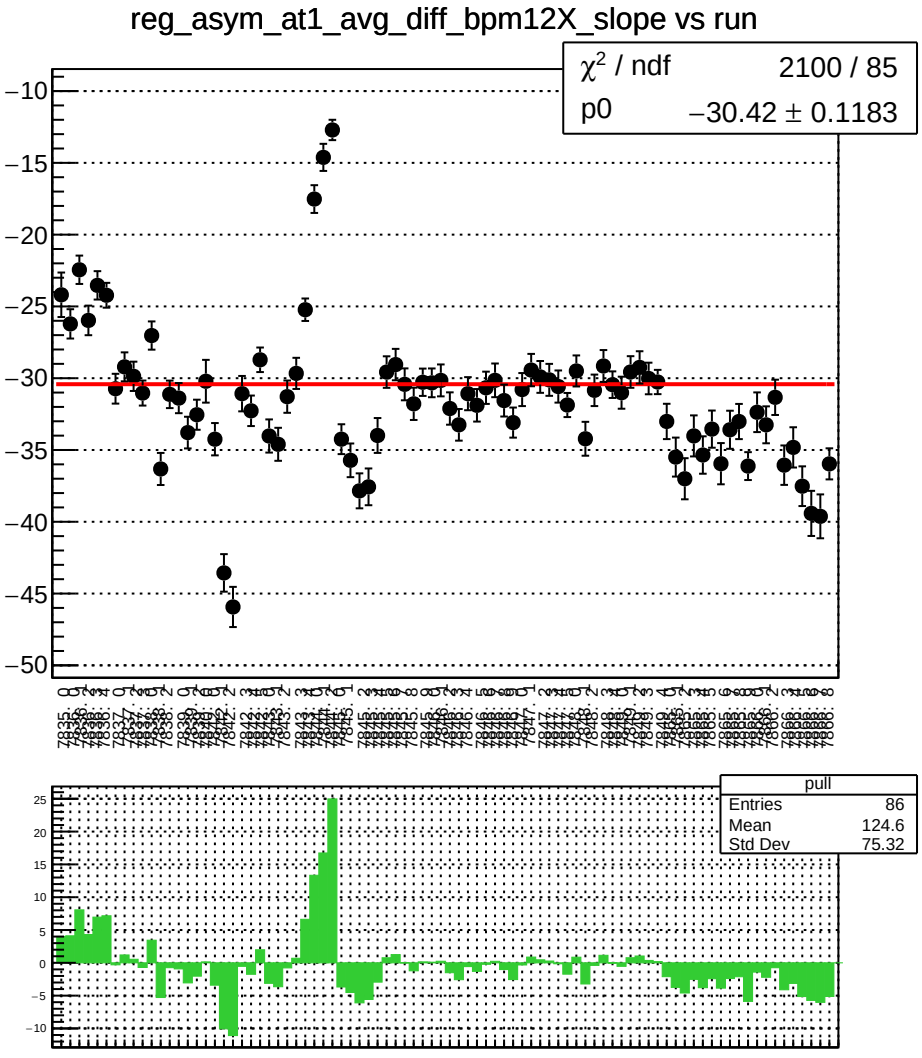

pull1D
Entries 86
Mean 0.07185
Std Dev 1.571

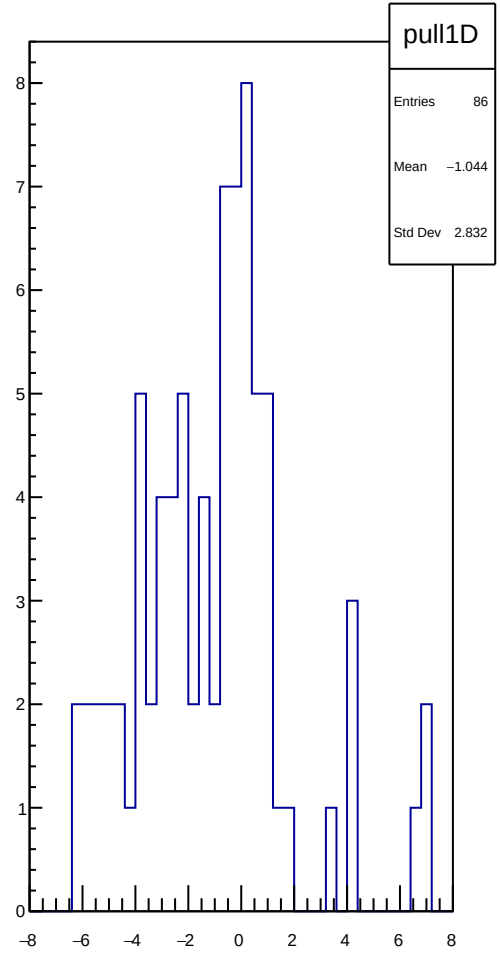

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 63.64 / 85
p0 9.41 ± 3.401
pull
Entries 86
Mean 172.5
Std Dev 120.9

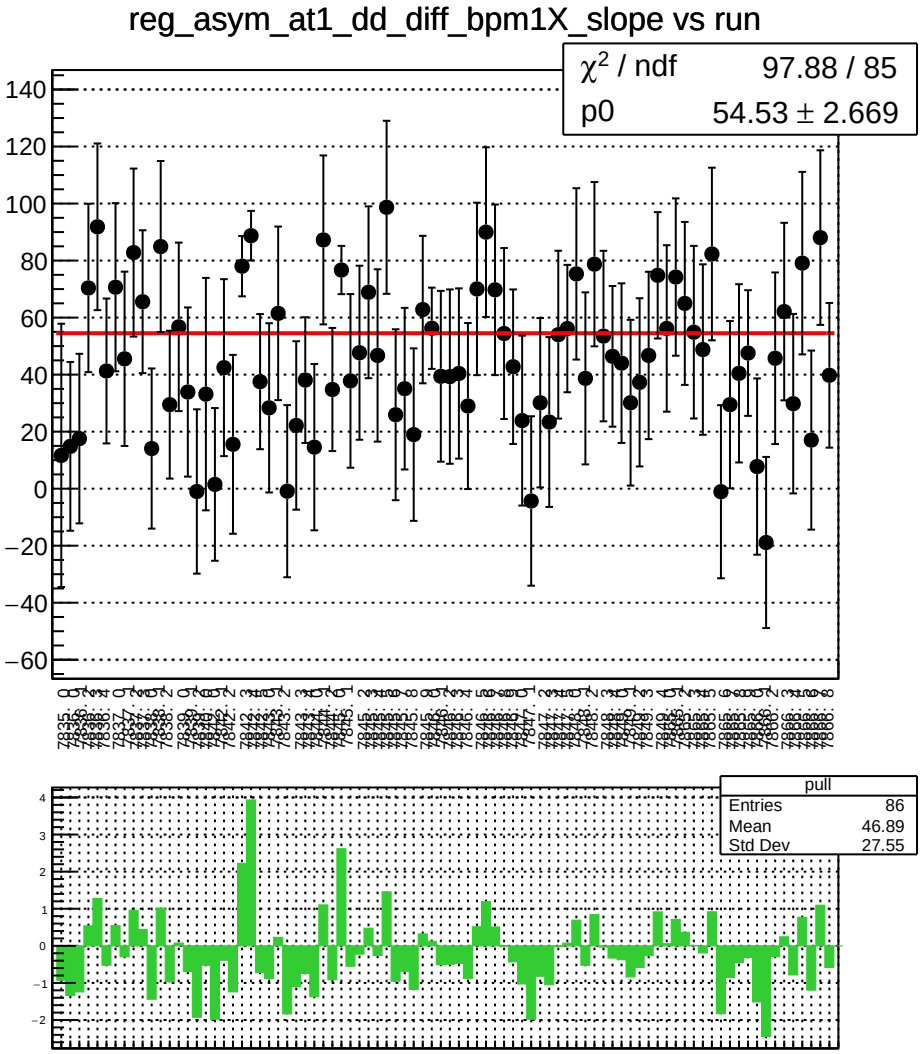

pull1D
Entries 86
Mean 0.06364
Std Dev 0.8579

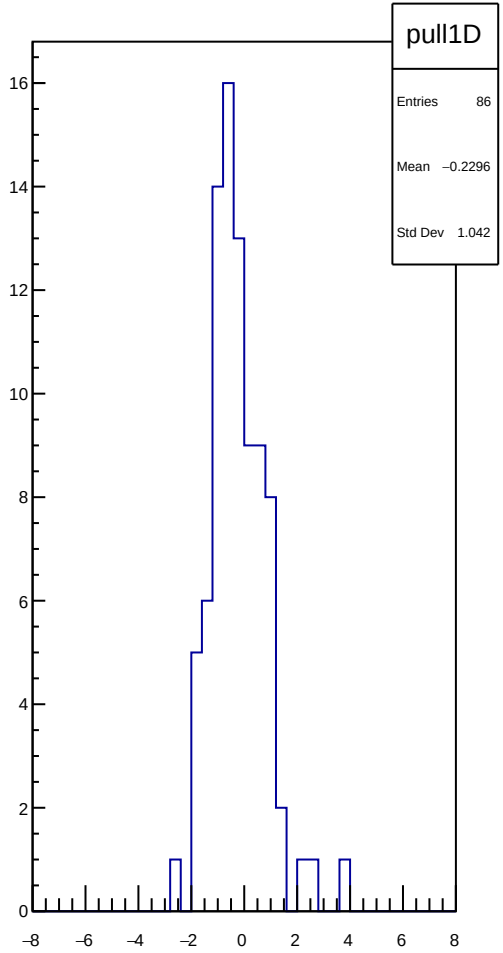

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 215.1 / 85
p0 43.91 ± 2.484
pull
Entries 86
Mean −78.38
Std Dev 126
pull1D
Entries 86
Mean −0.1481
Std Dev 1.575

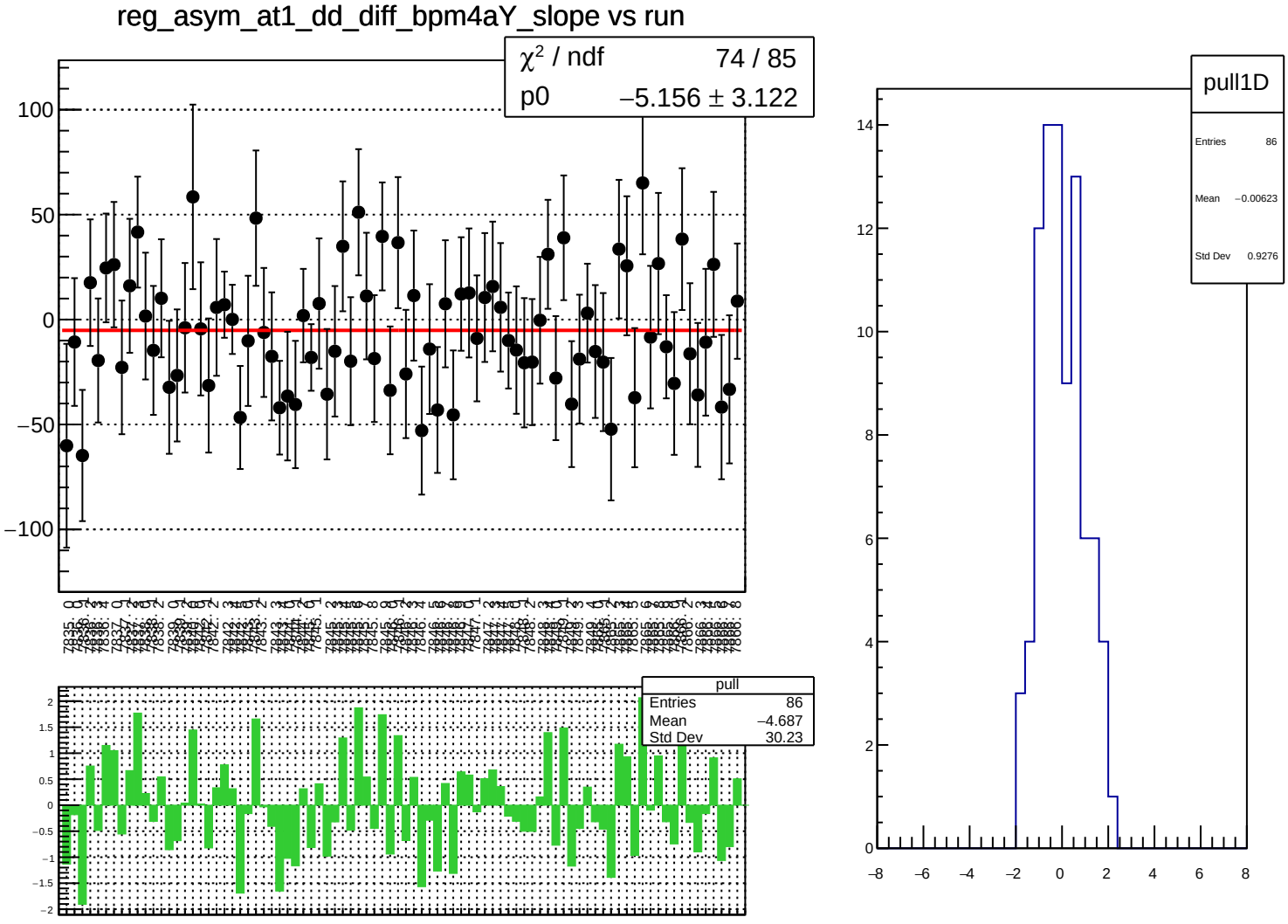

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 59.4 / 85
p0 −4.862 ± 3.934
pull
Entries 86
Mean 205.7
Std Dev 154.1
pull1D
Entries 86
Mean −0.03714
Std Dev 0.8302

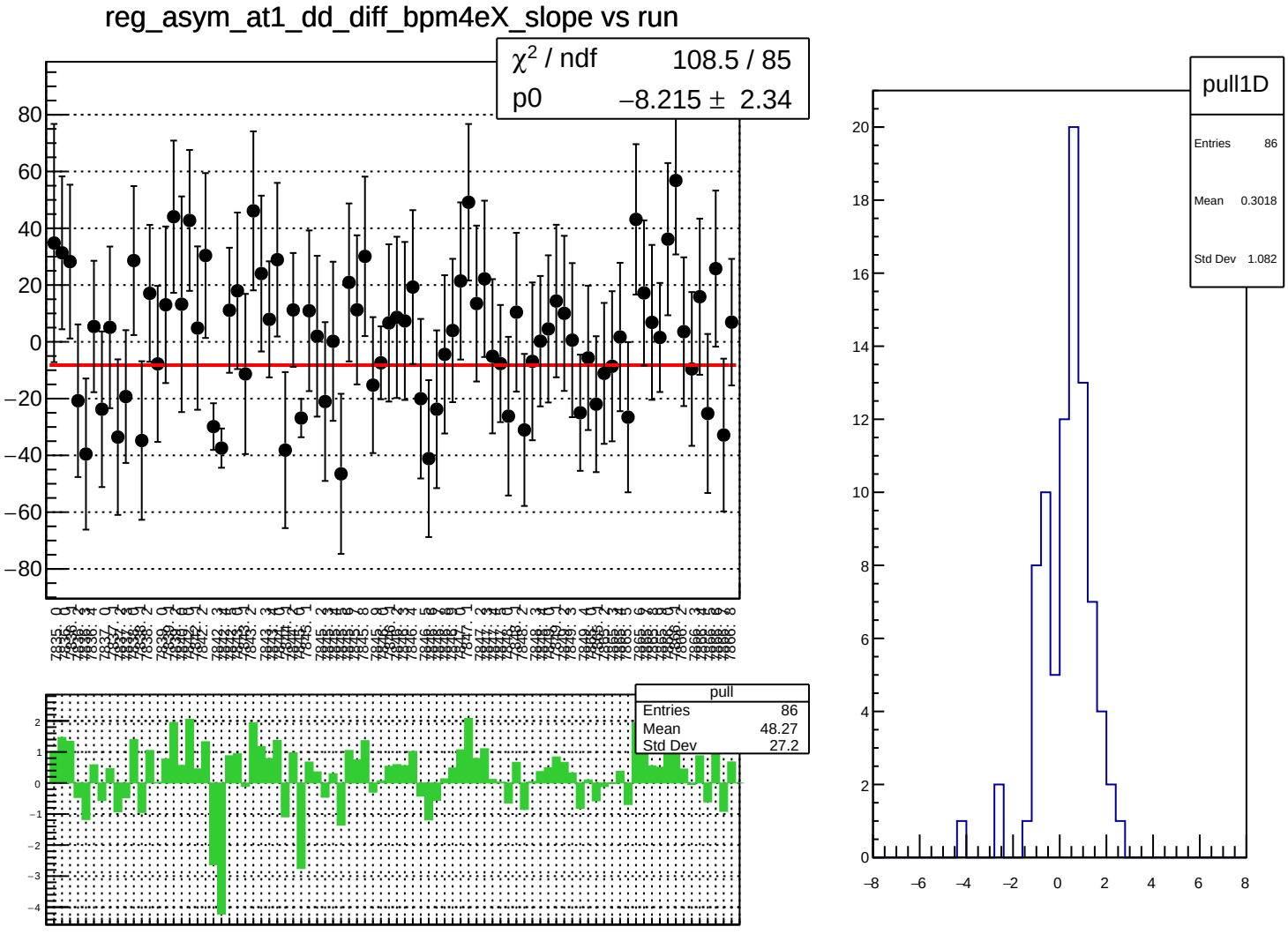

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ^2 / ndf 2100 / 85
p0 −30.42 ± 0.1183
pull
Entries 86
Mean 124.6
Std Dev 75.32

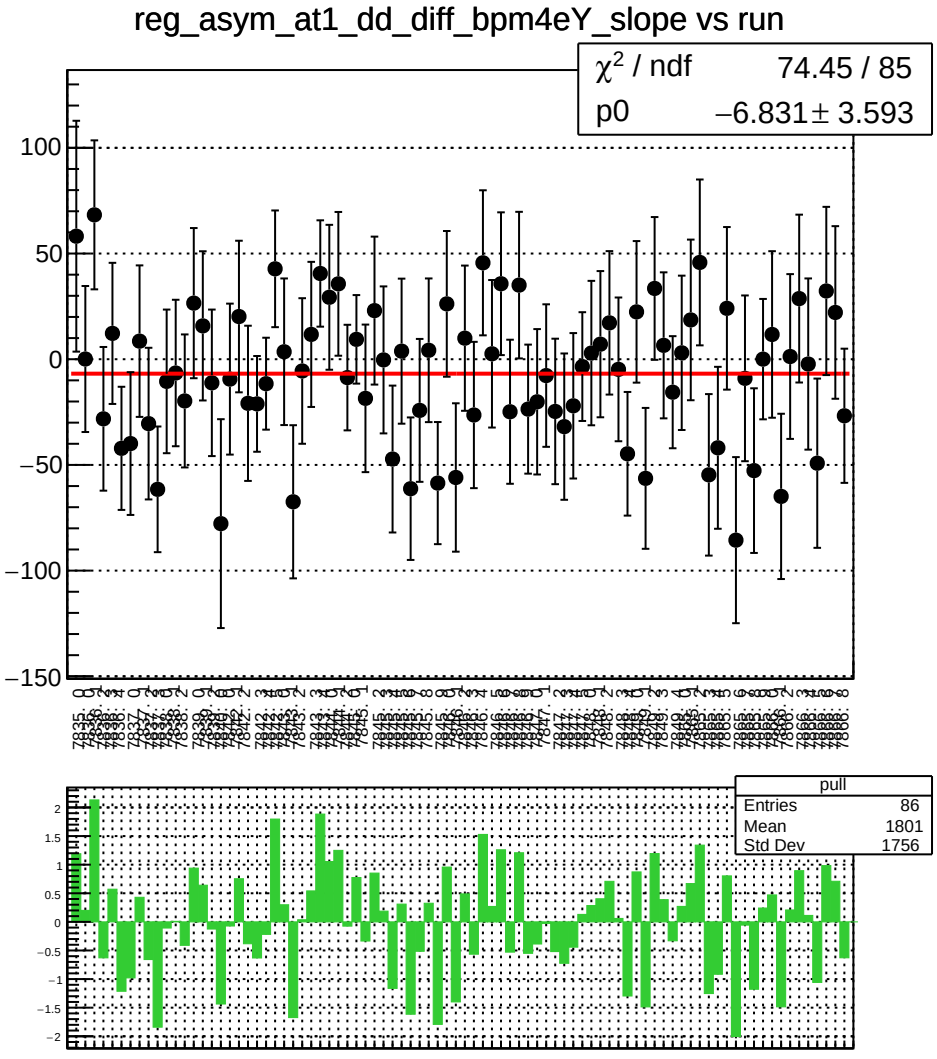

pull1D
Entries 86
Mean −1.044
Std Dev 2.832

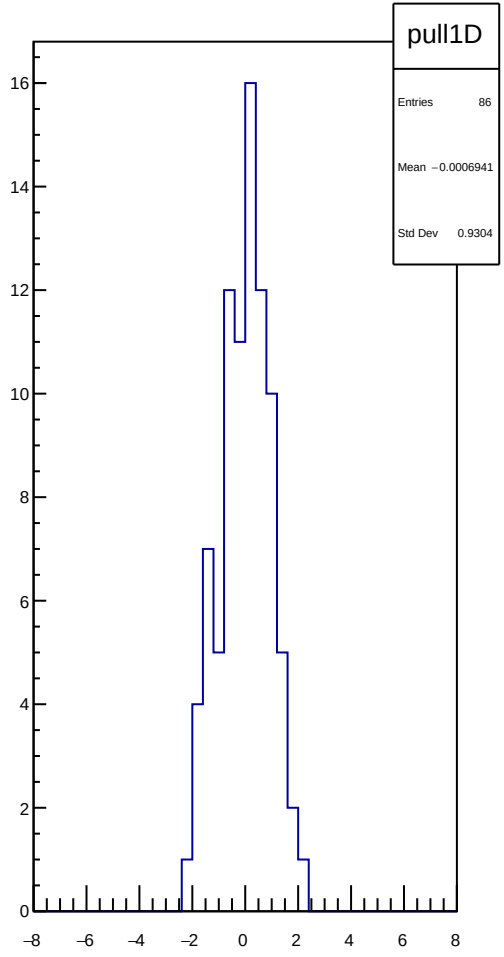

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ^2 / ndf 97.88 / 85
p0 54.53 ± 2.669
pull
Entries 86
Mean 46.89
Std Dev 27.55

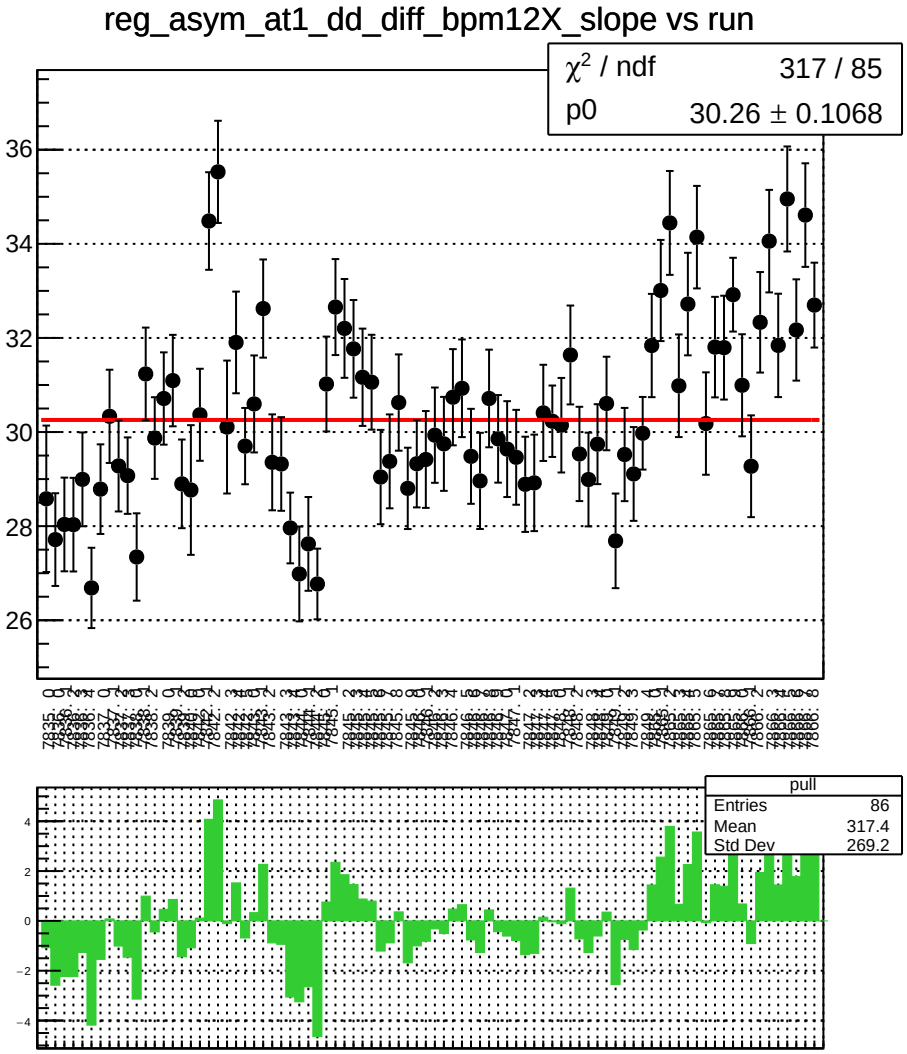

pull1D
Entries 86
Mean −0.2296
Std Dev 1.042

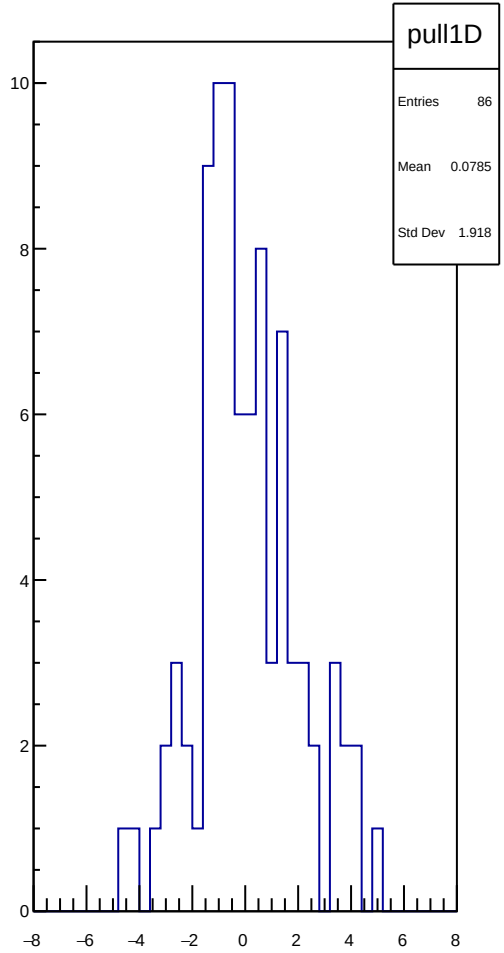

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 74 / 85
p0 −5.156 ± 3.122
pull
Entries 86
Mean −4.687
Std Dev 30.23
pull1D
Entries 86
Mean −0.00623
Std Dev 0.9276

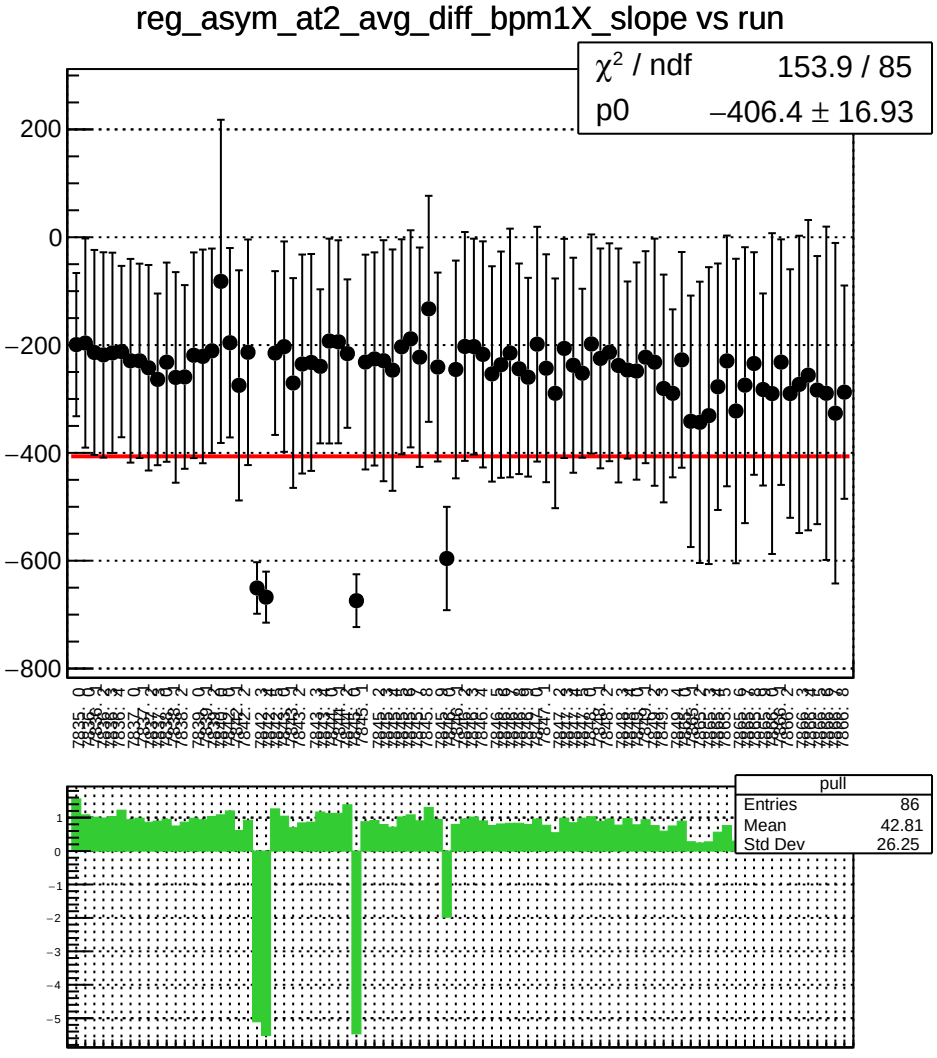

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 108.5 / 85
p0 −8.215 ± 2.34
pull
Entries 86
Mean 48.27
Std Dev 27.2
pull1D
Entries 86
Mean 0.3018
Std Dev 1.082

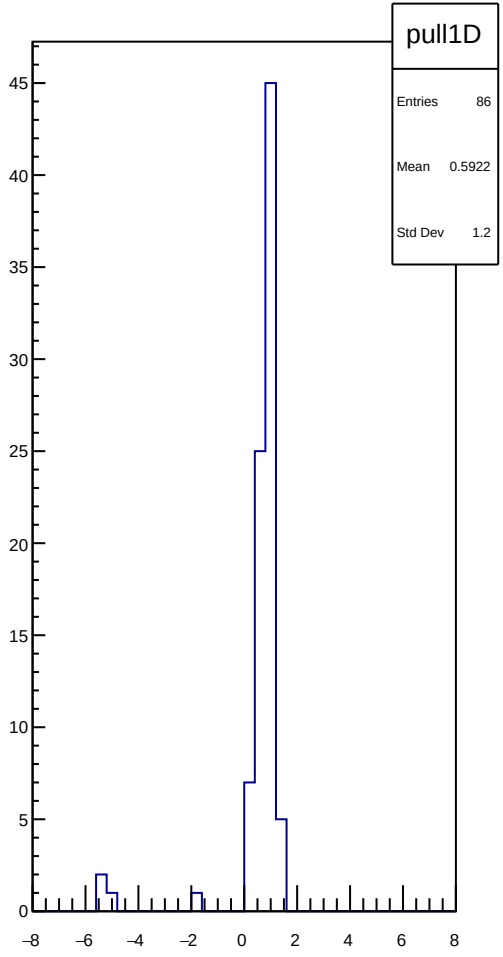

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ2 / ndf 74.45 / 85
p0 −6.831 ± 3.593
pull
Entries 86
Mean 1801
Std Dev 1756

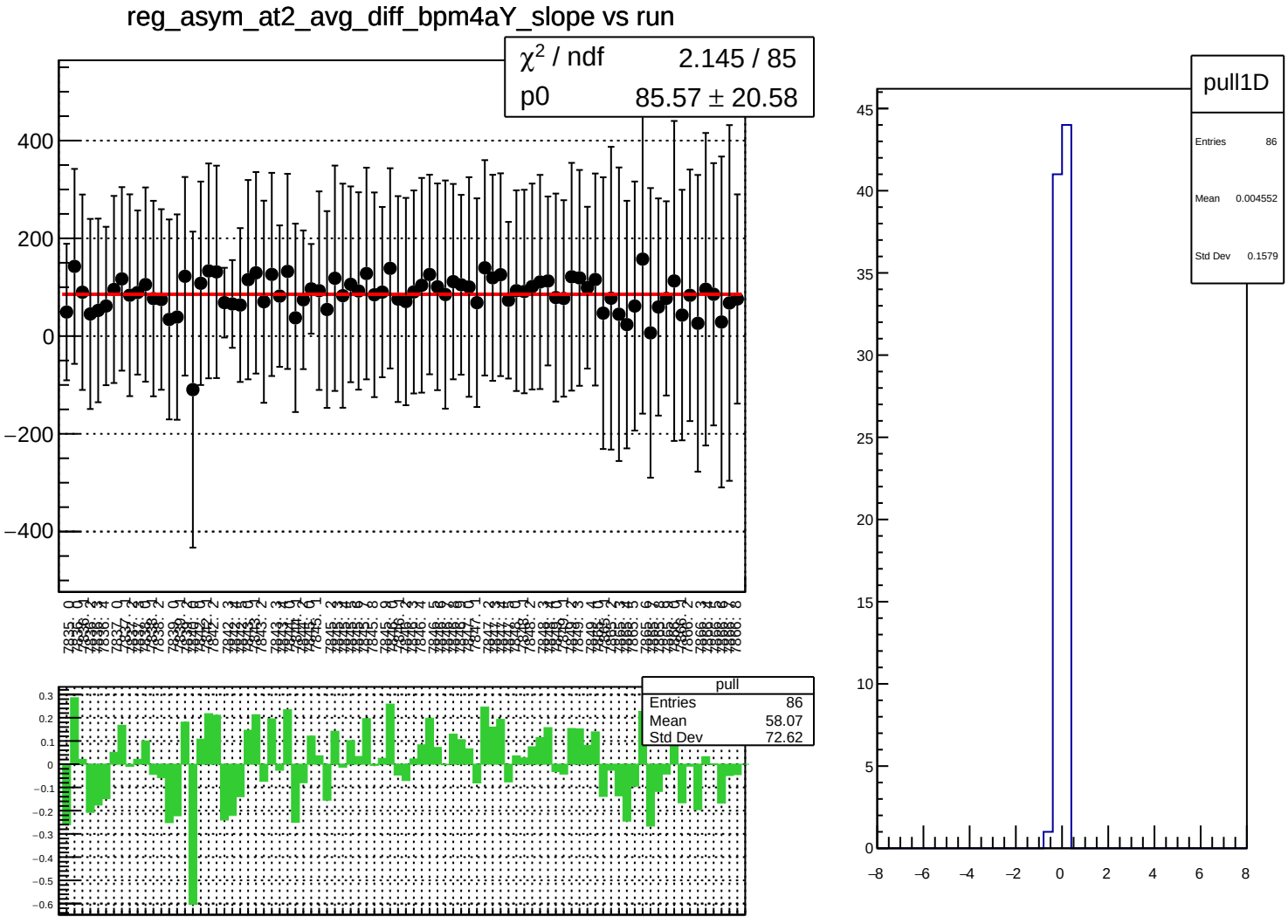

pull1D
Entries 86
Mean −0.0006941
Std Dev 0.9304

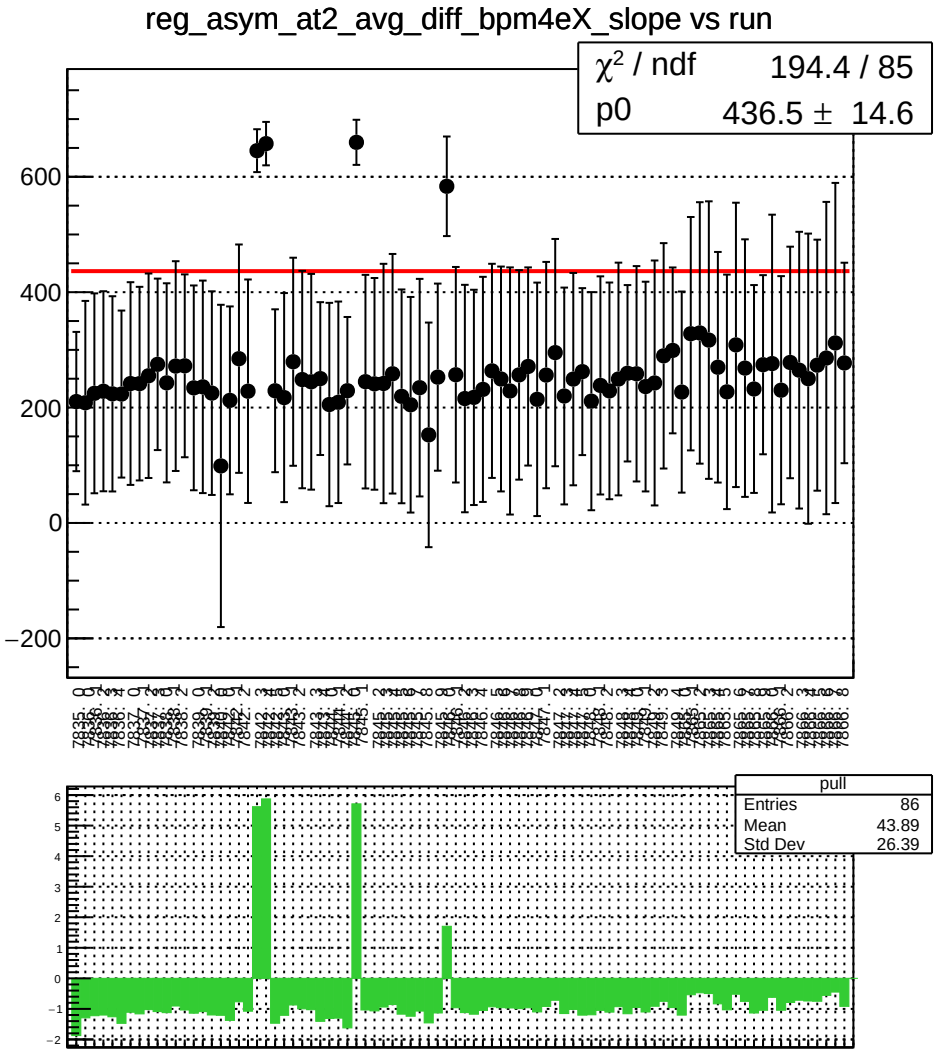

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ^2 / ndf 317 / 85
p0 30.26 ± 0.1068
pull
Entries 86
Mean 317.4
Std Dev 269.2

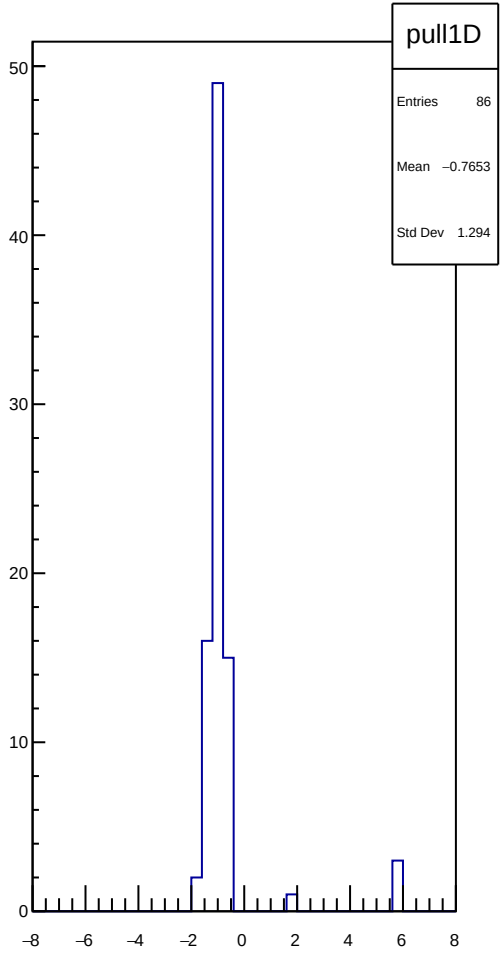

pull1D
Entries 86
Mean 0.0785
Std Dev 1.918

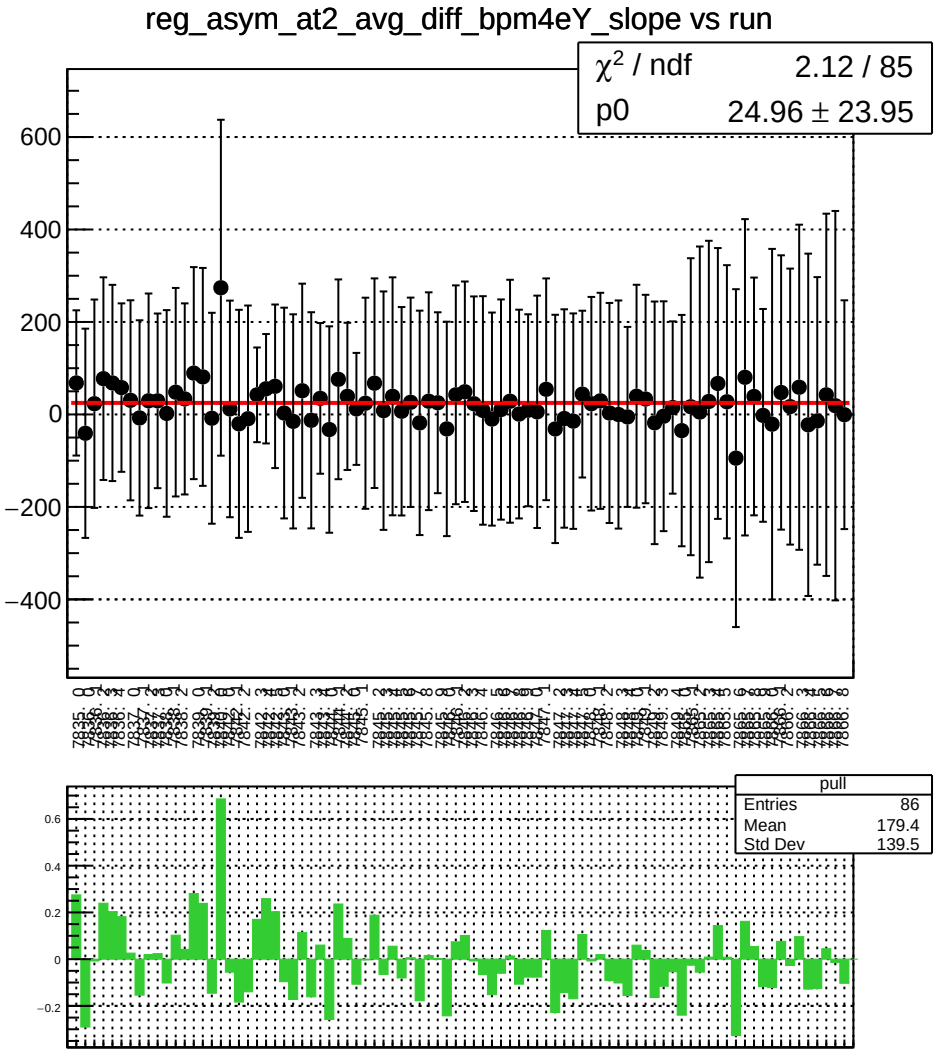

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ^2 / ndf 153.9 / 85
p0 −406.4 ± 16.93
pull
Entries 86
Mean 42.81
Std Dev 26.25

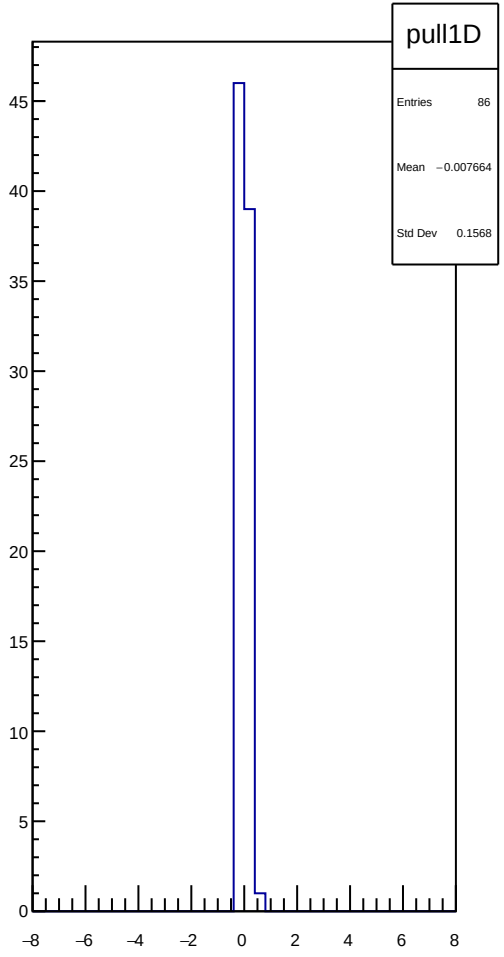

pull1D
Entries 86
Mean 0.5922
Std Dev 1.2

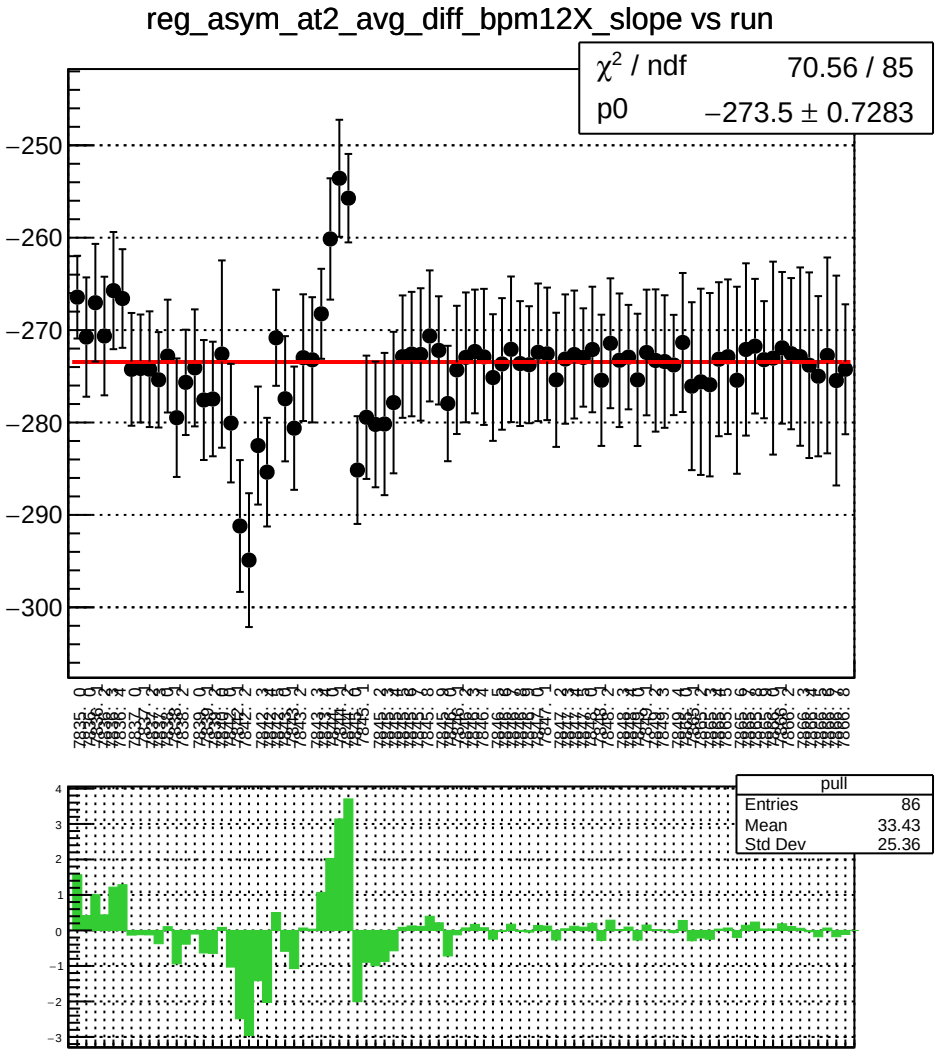

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 2.145 / 85
p0 85.57 ± 20.58
400
200
0
−200
−400
pull
Entries 86
Mean 58.07
Std Dev 72.62
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
pull1D
Entries 86
Mean 0.004552
Std Dev 0.1579
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

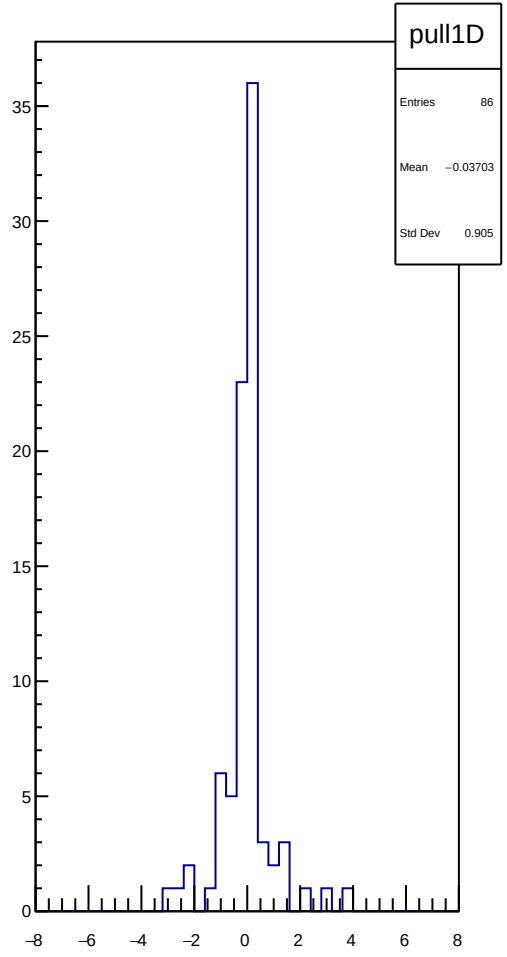

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 194.4 / 85
p0 436.5 ± 14.6
pull
Entries 86
Mean 43.89
Std Dev 26.39

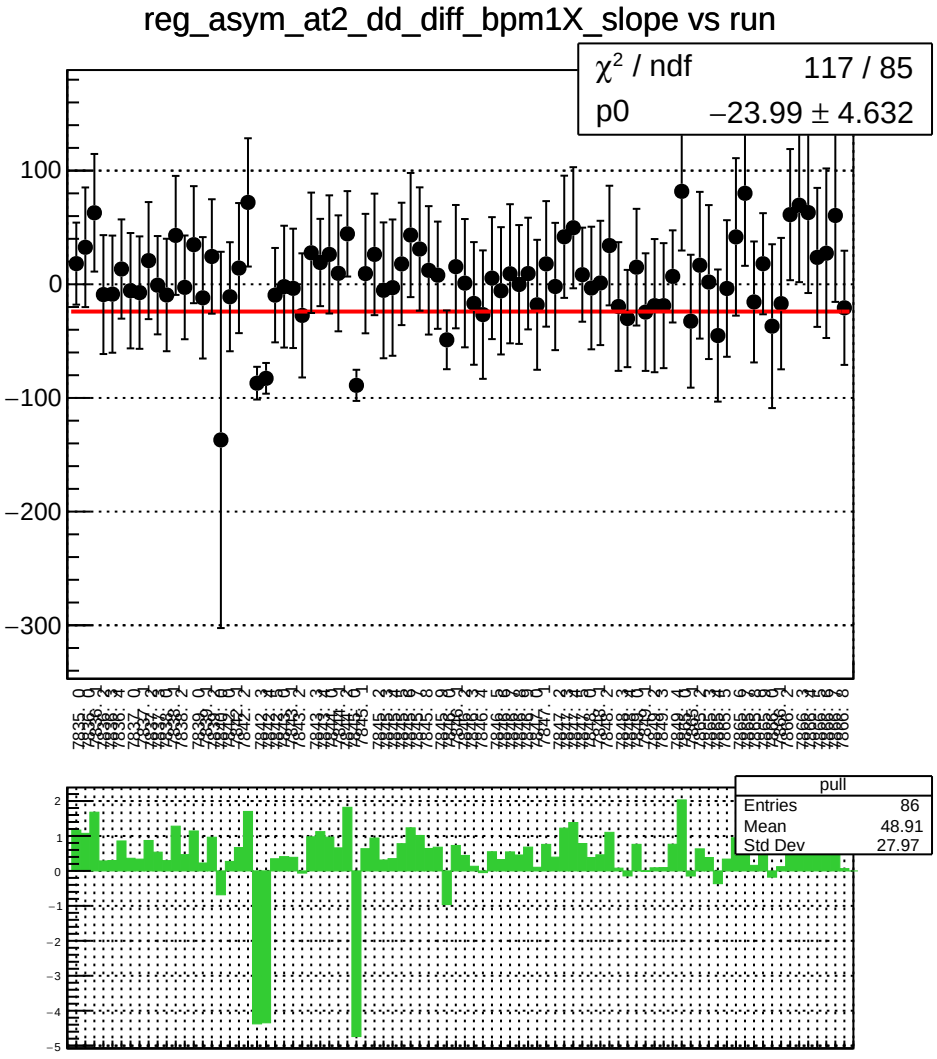

pull1D
Entries 86
Mean −0.7653
Std Dev 1.294

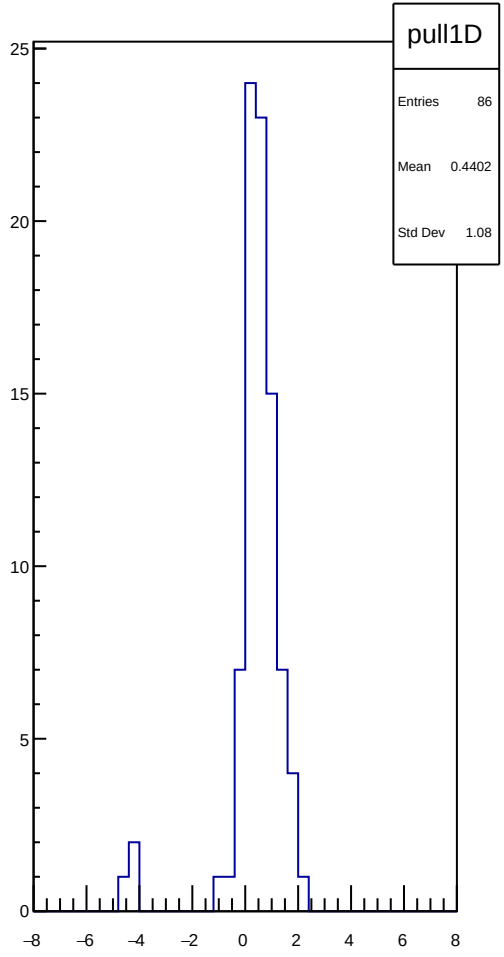

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 2.12 / 85
p0 24.96 ± 23.95
pull
Entries 86
Mean 179.4
Std Dev 139.5

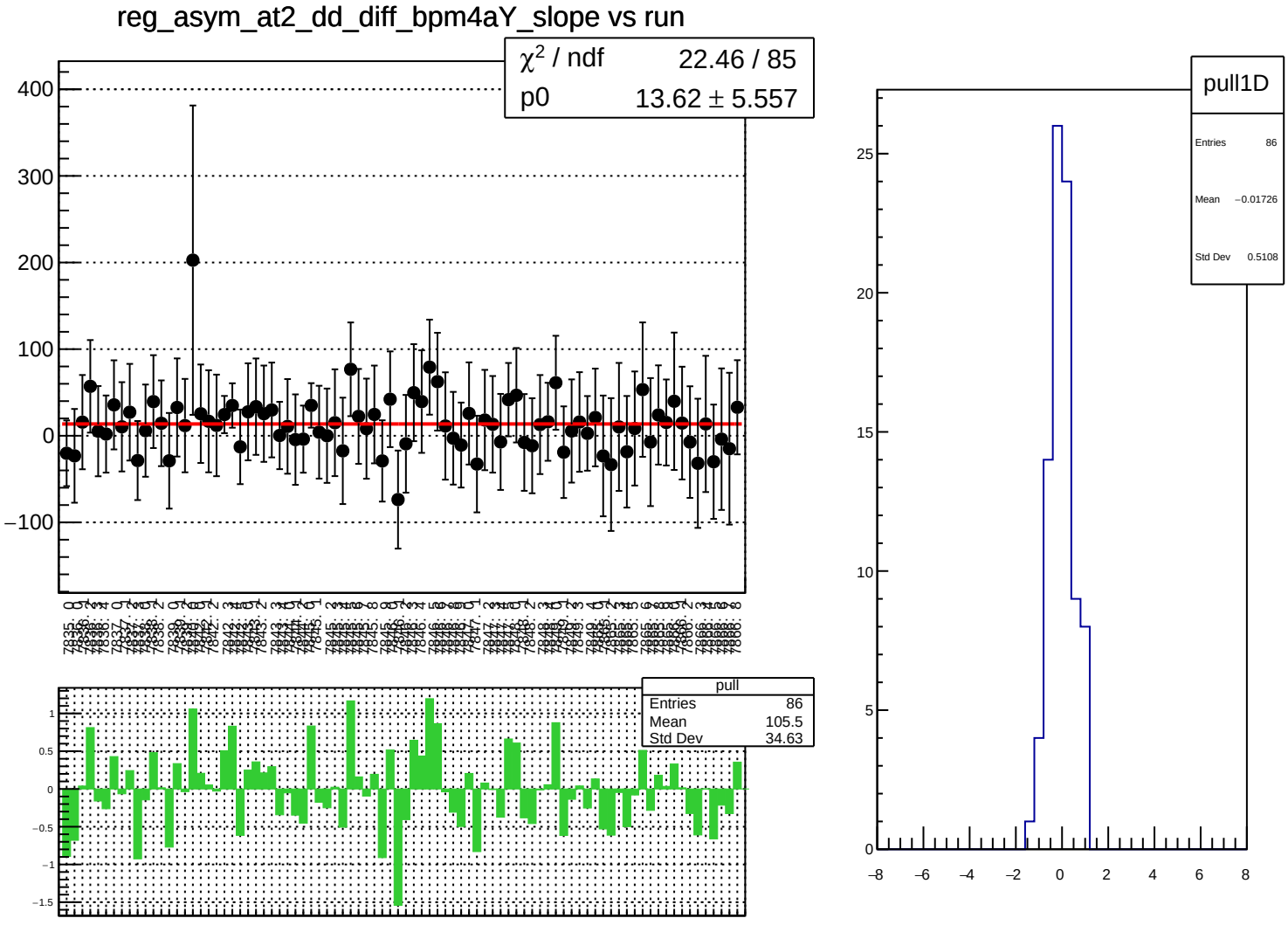

pull1D
Entries 86
Mean −0.007664
Std Dev 0.1568

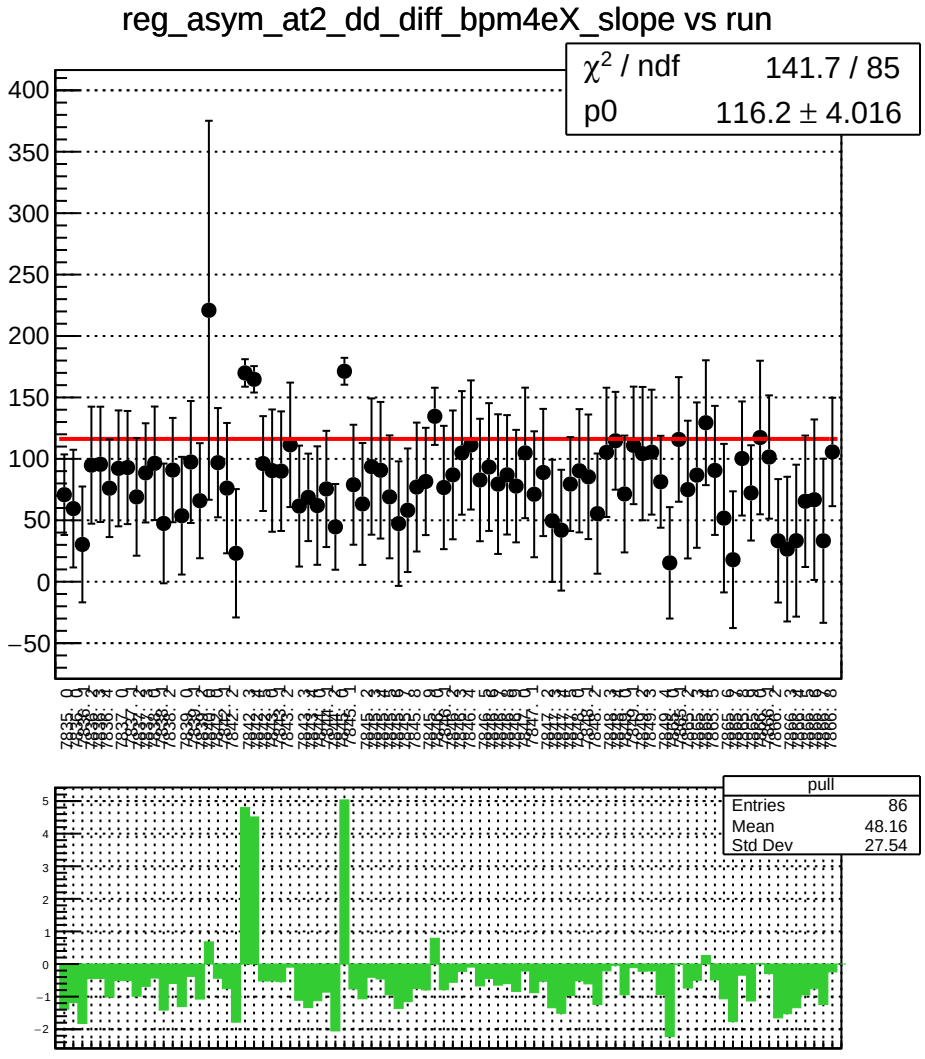

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ^2 / ndf 70.56 / 85
p0 −273.5 ± 0.7283
pull
Entries 86
Mean 33.43
Std Dev 25.36

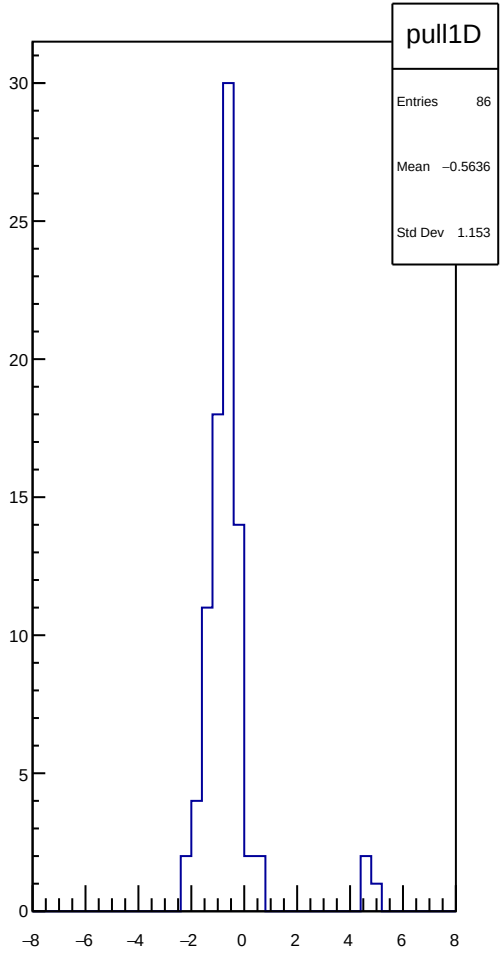

pull1D
Entries 86
Mean −0.03703
Std Dev 0.905

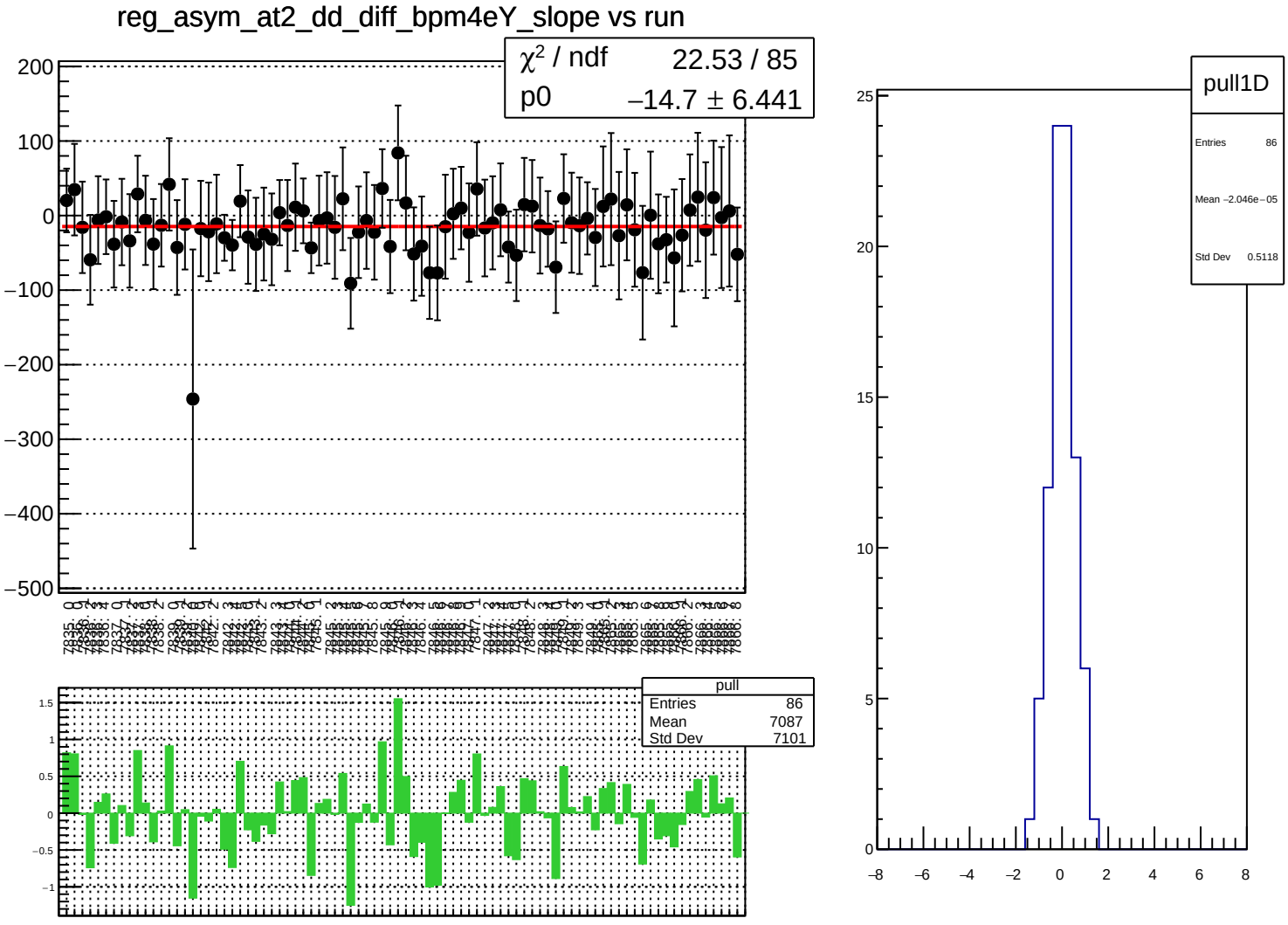

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 117 / 85
p0 −23.99 ± 4.632
100
0
−100
−200
−300
pull
Entries 86
Mean 48.91
Std Dev 27.97
2
1
0
−1
−2
−3
−4
−5

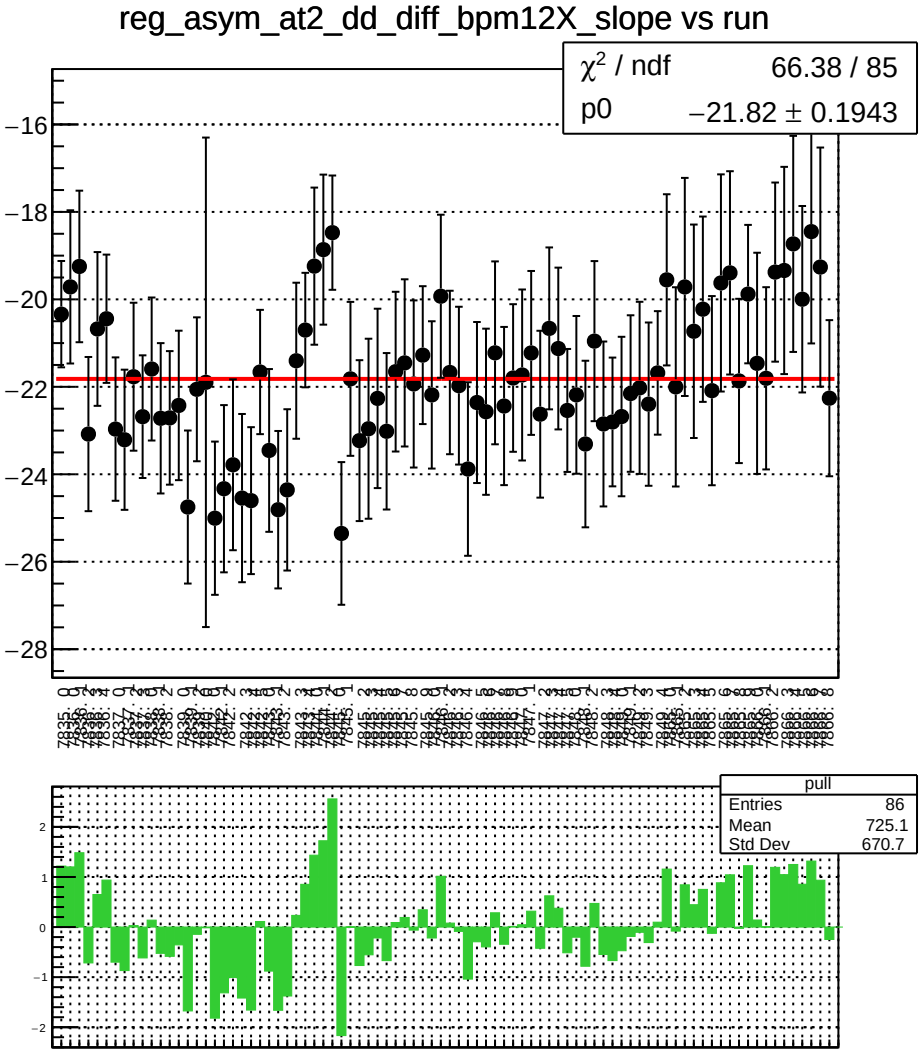

pull1D
Entries 86
Mean 0.4402
Std Dev 1.08
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

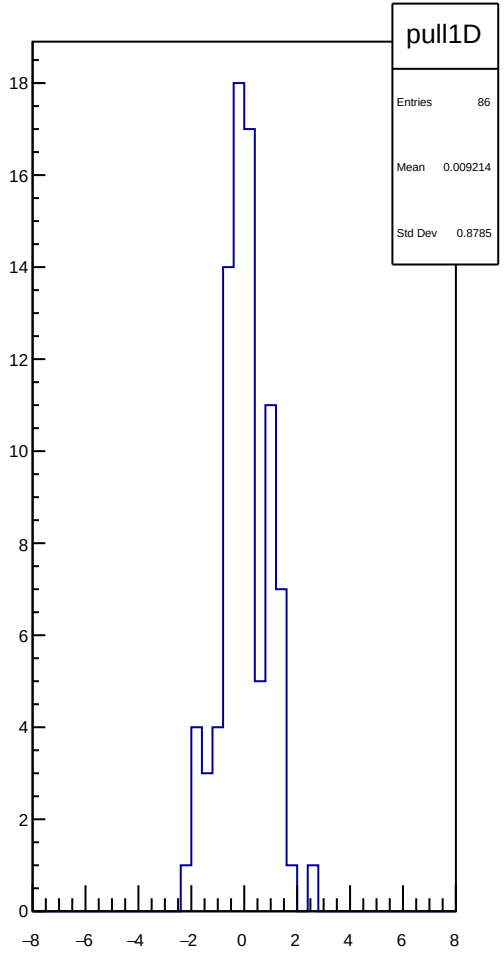

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 22.46 / 85
p0 13.62 ± 5.557
pull
Entries 86
Mean 105.5
Std Dev 34.63
pull1D
Entries 86
Mean −0.01726
Std Dev 0.5108

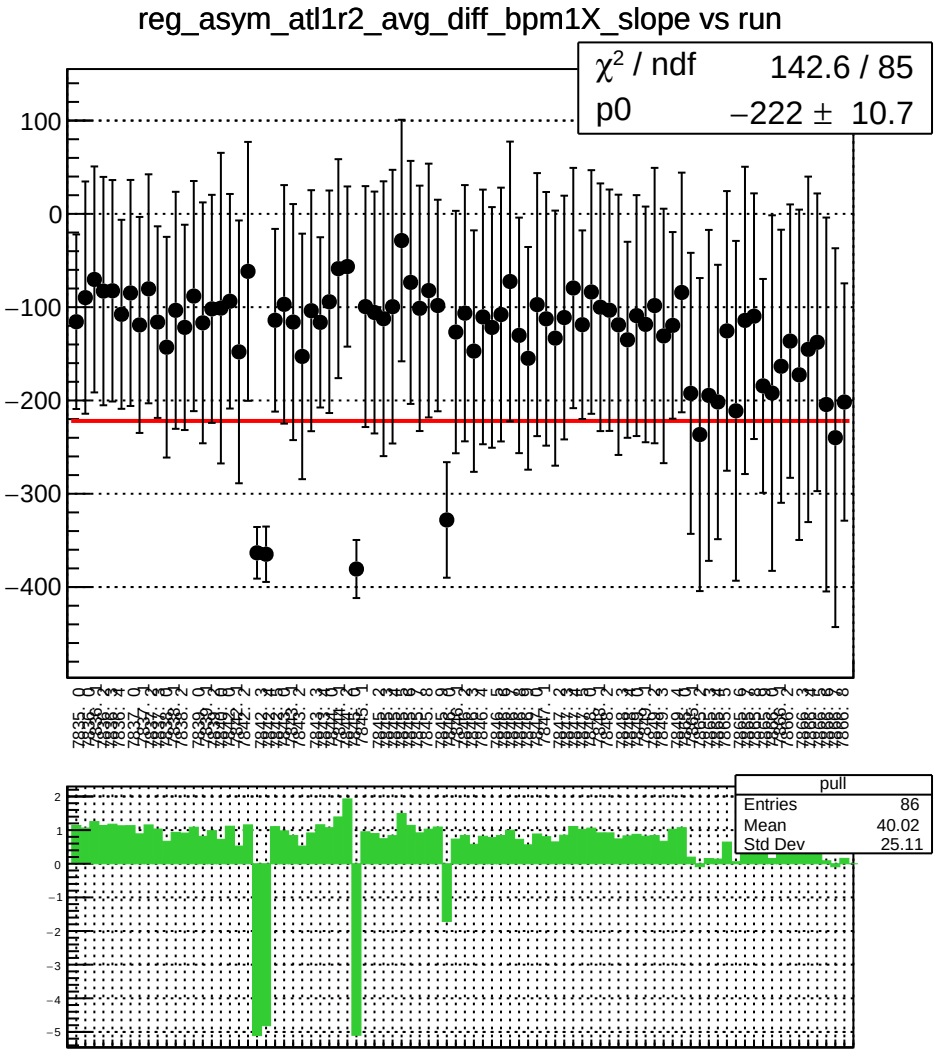

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 141.7 / 85
p0 116.2 ± 4.016
pull
Entries 86
Mean 48.16
Std Dev 27.54

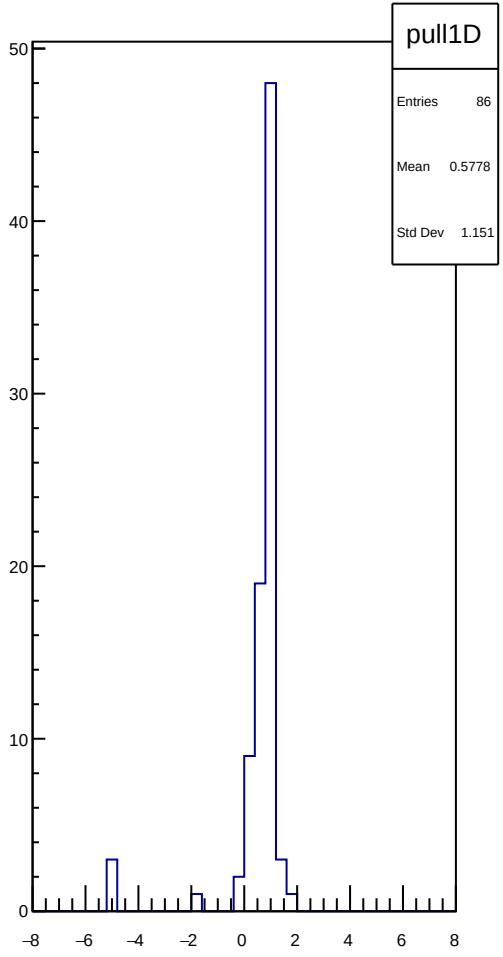

pull1D
Entries 86
Mean −0.5636
Std Dev 1.153

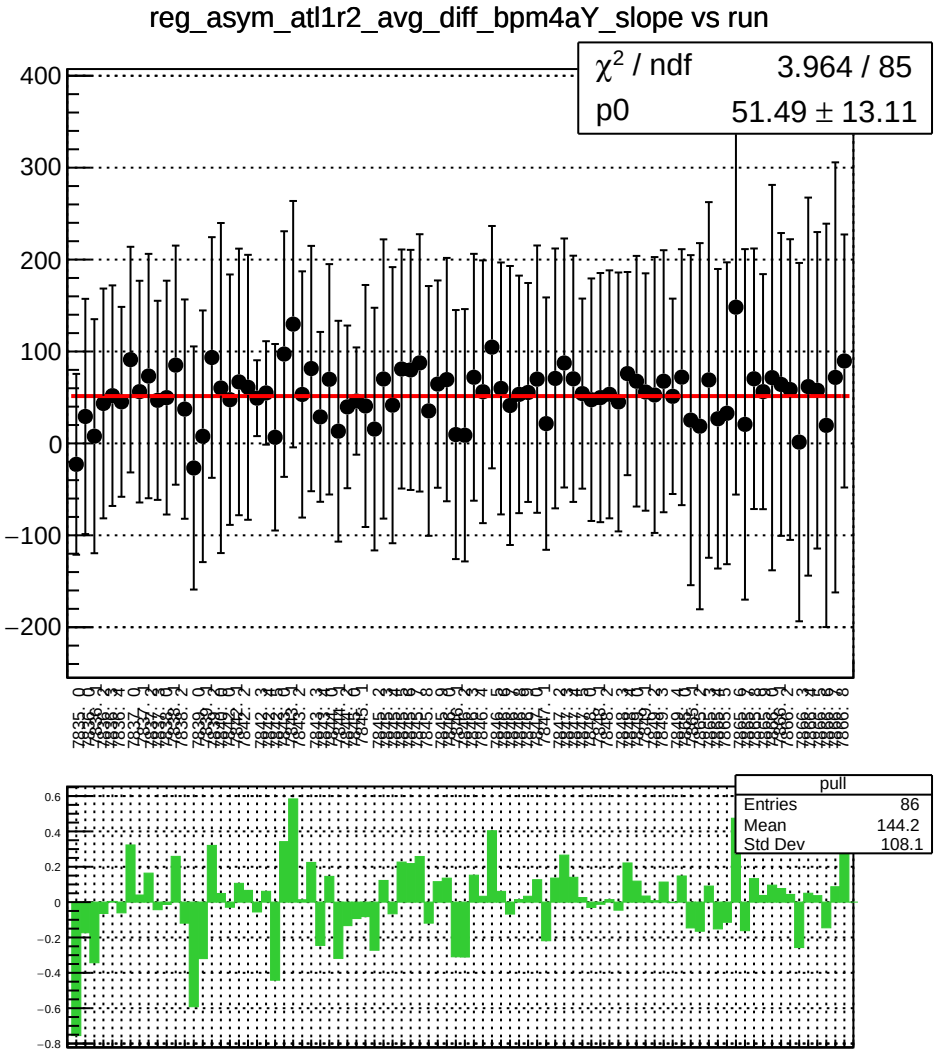

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 22.53 / 85
p0 −14.7 ± 6.441
pull
Entries 86
Mean 7087
Std Dev 7101
pull1D
Entries 86
Mean −2.046e−05
Std Dev 0.5118

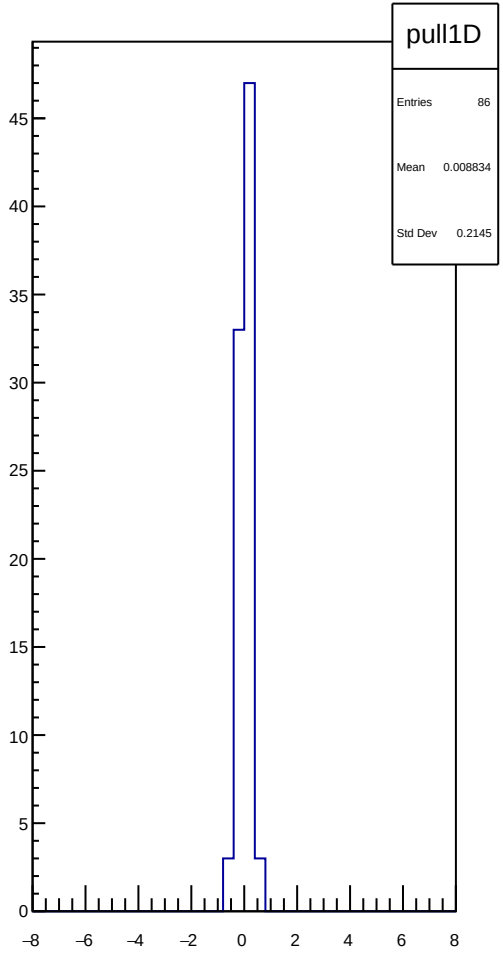

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 66.38 / 85
p0 −21.82 ± 0.1943
pull
Entries 86
Mean 725.1
Std Dev 670.7

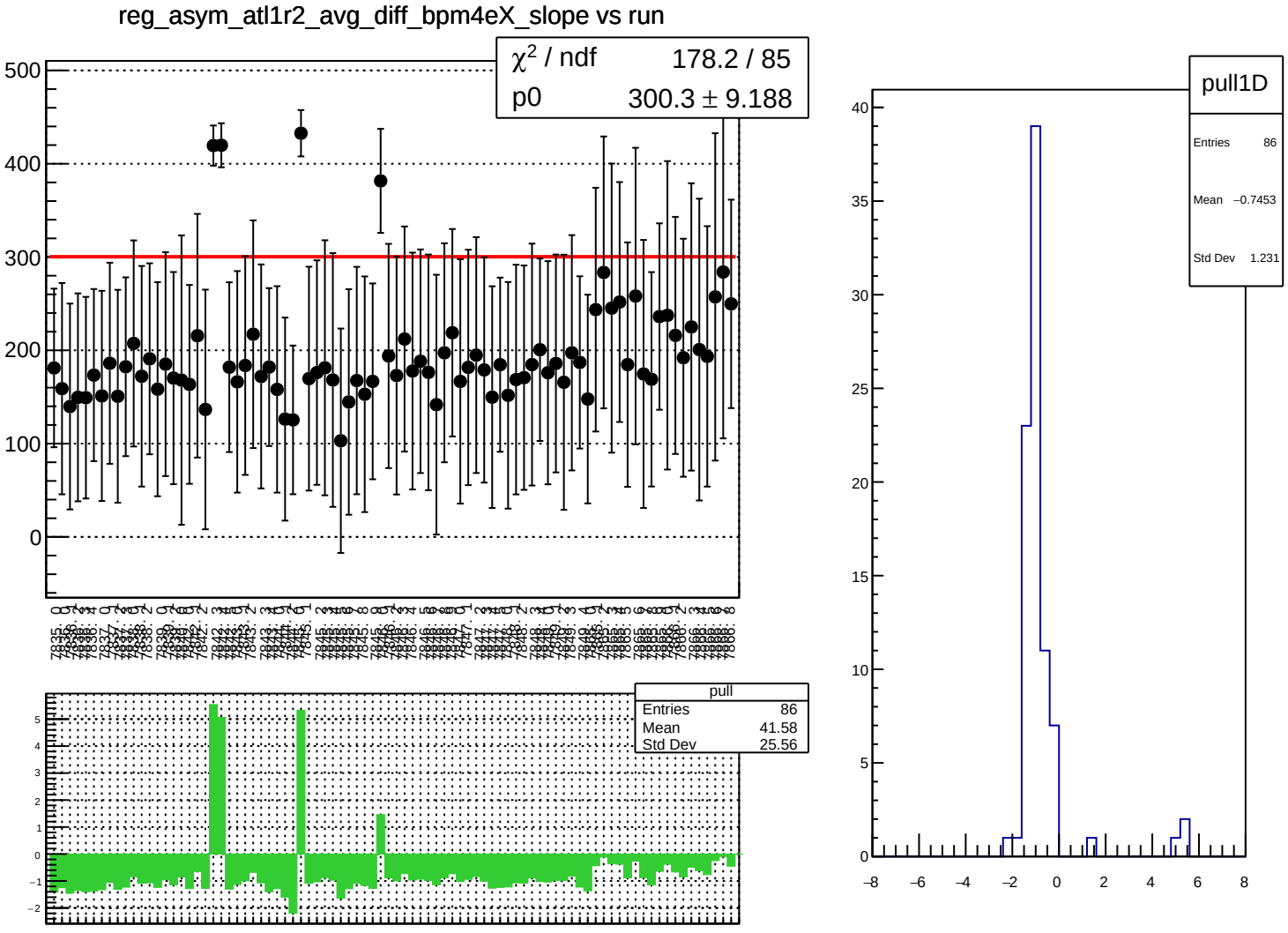

pull1D
Entries 86
Mean 0.009214
Std Dev 0.8785

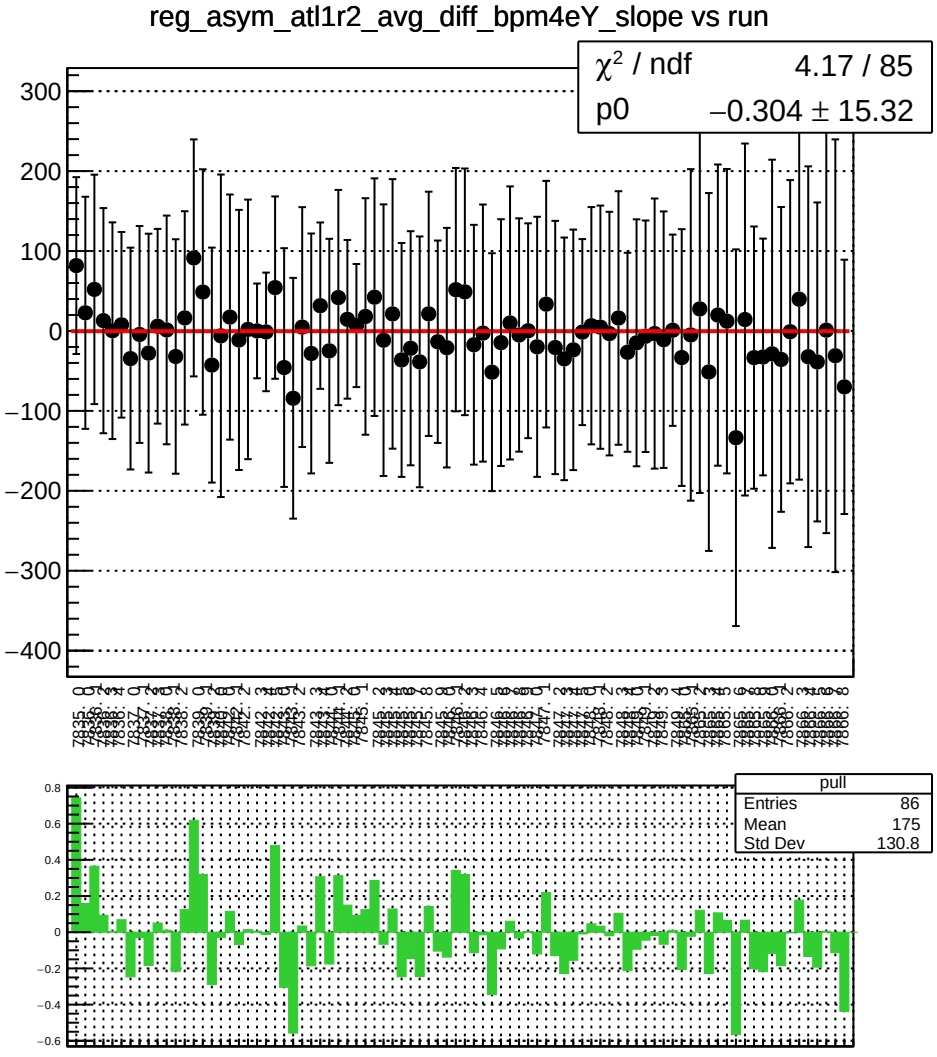

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ^2 / ndf 142.6 / 85
p0 −222 ± 10.7
pull
Entries 86
Mean 40.02
Std Dev 25.11

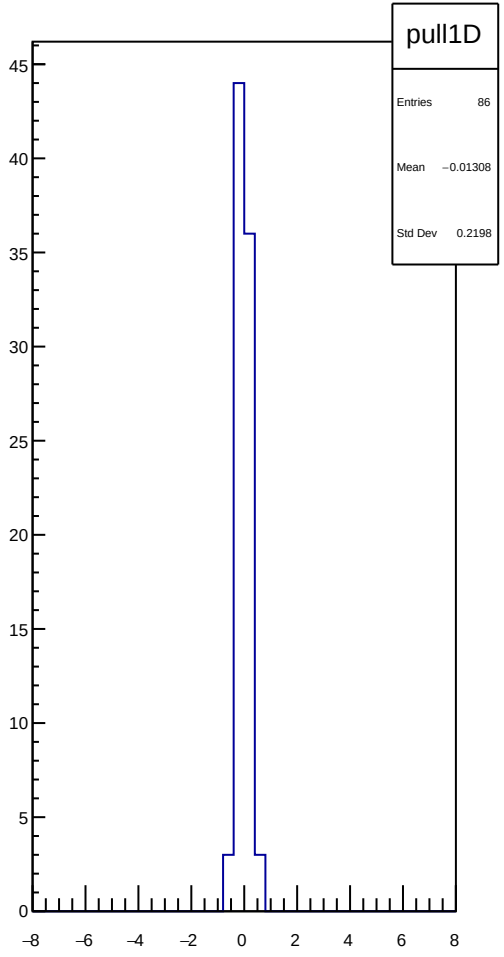

pull1D
Entries 86
Mean 0.5778
Std Dev 1.151

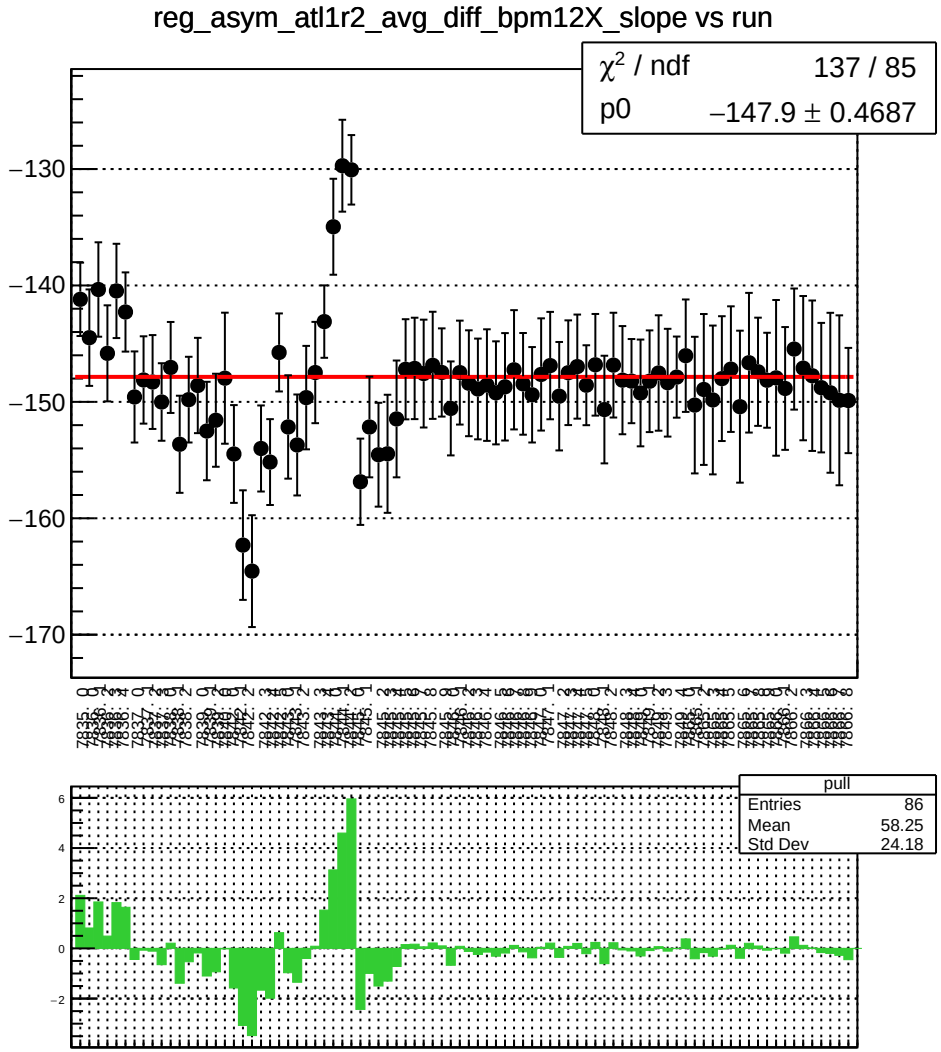

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 3.964 / 85
p0 51.49 ± 13.11
pull
Entries 86
Mean 144.2
Std Dev 108.1

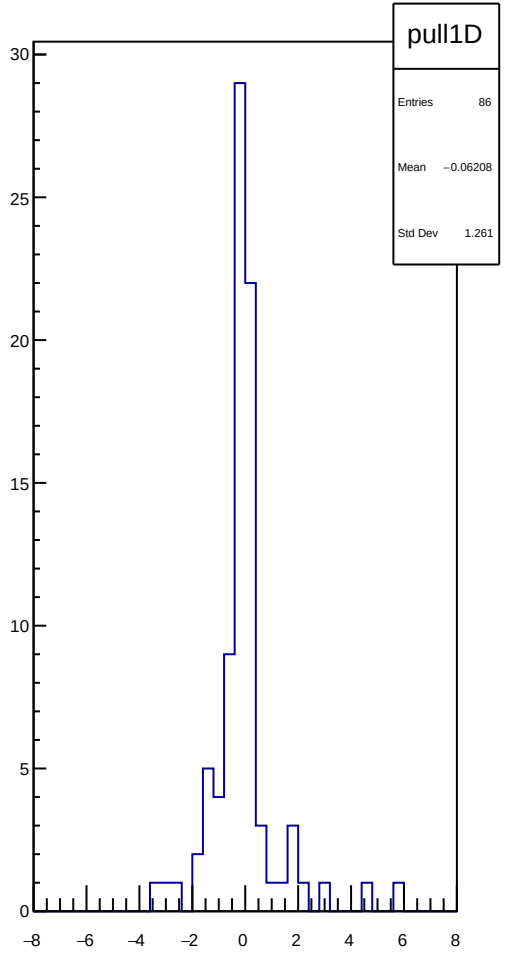

pull1D
Entries 86
Mean 0.008834
Std Dev 0.2145

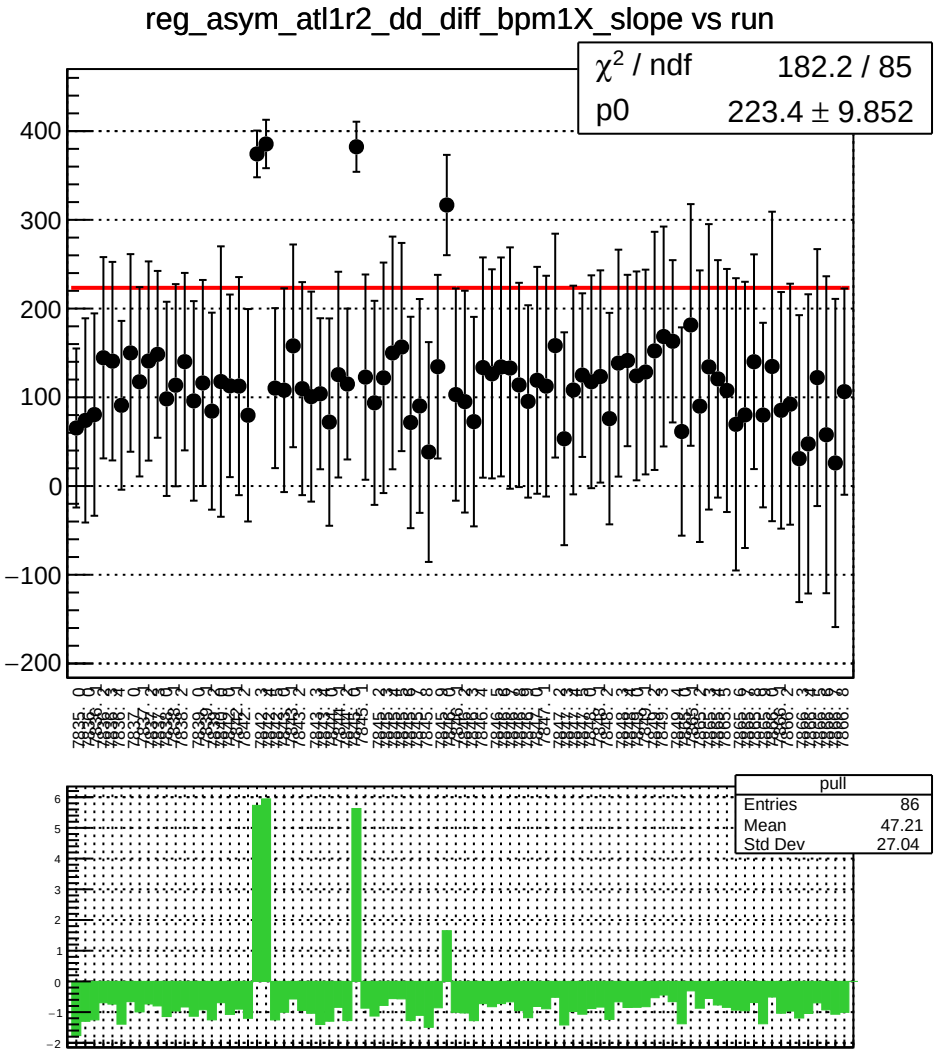

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 178.2 / 85
p0 300.3 ± 9.188
pull
Entries 86
Mean 41.58
Std Dev 25.56
pull1D
Entries 86
Mean −0.7453
Std Dev 1.231

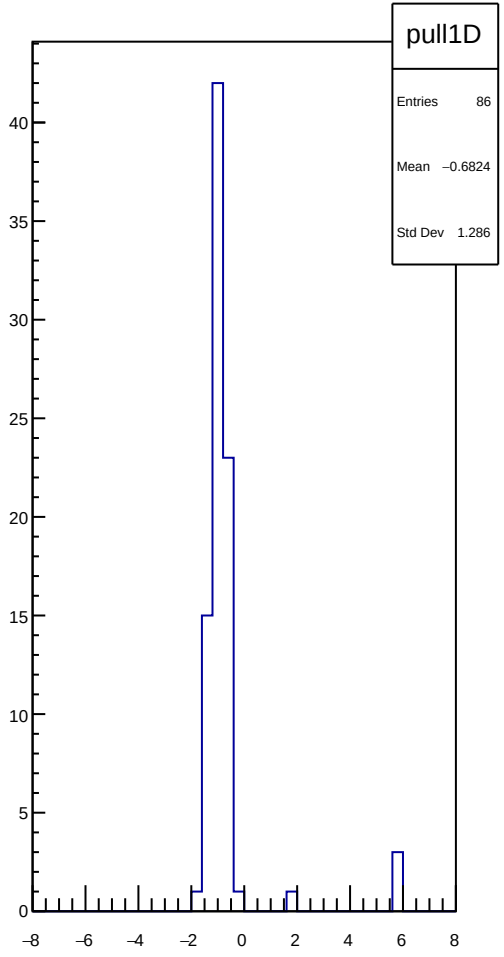

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.17 / 85
p0 −0.304 ± 15.32
pull
Entries 86
Mean 175
Std Dev 130.8

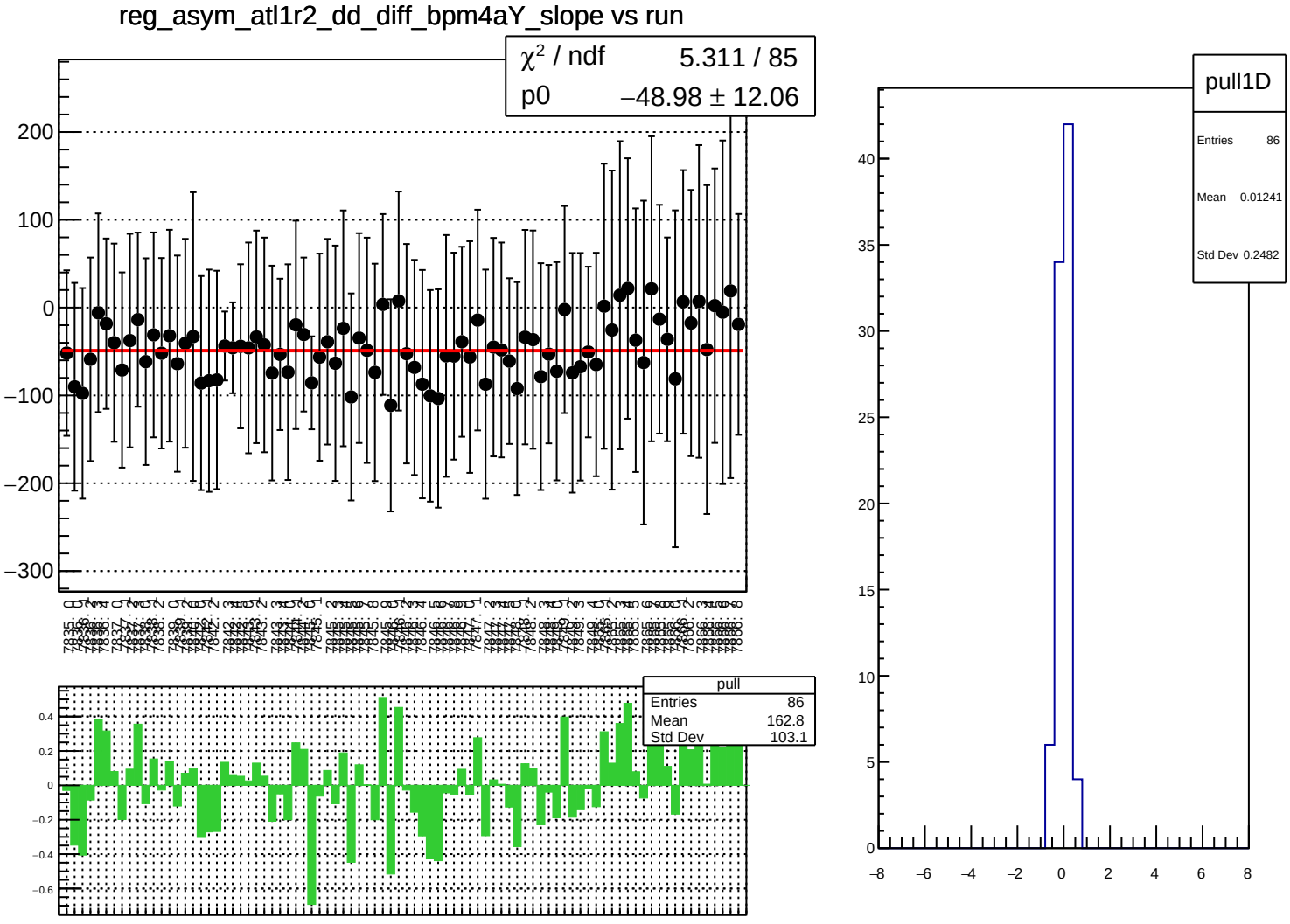

pull1D
Entries 86
Mean −0.01308
Std Dev 0.2198

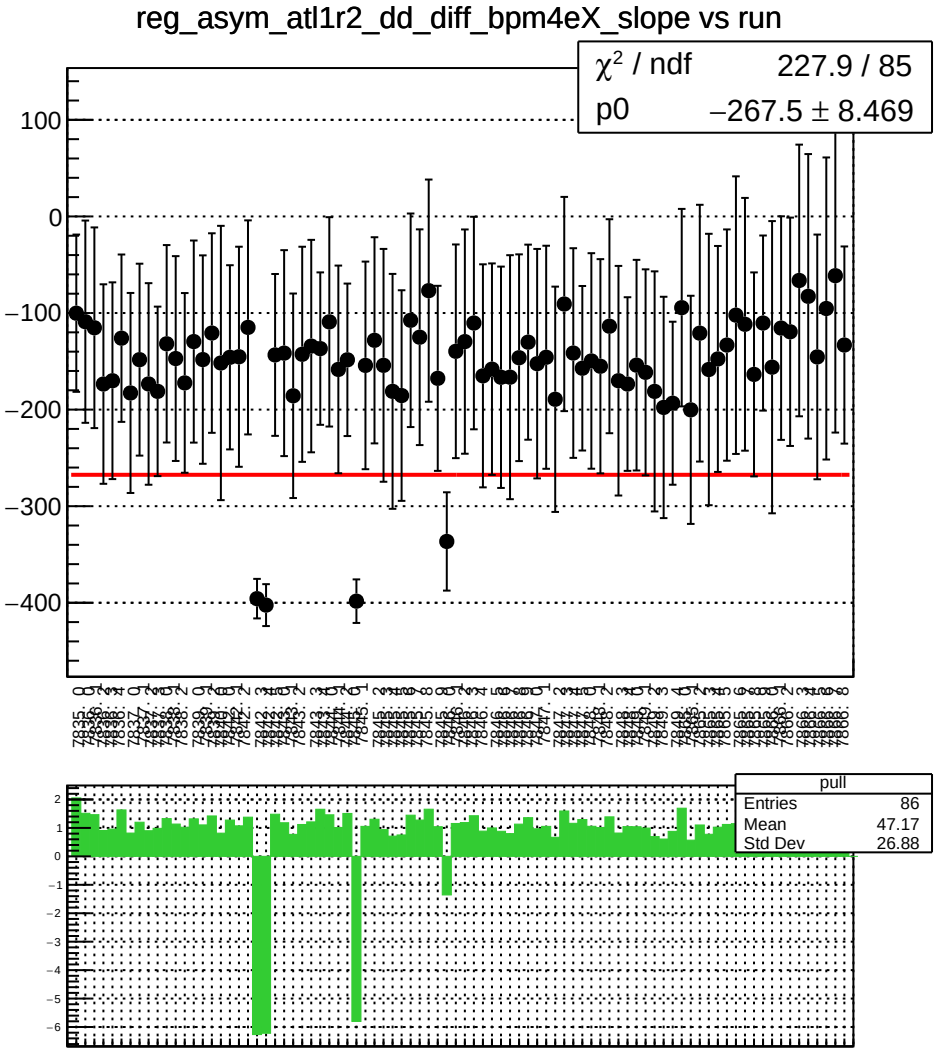

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ^2 / ndf 137 / 85
p0 −147.9 ± 0.4687
−130
−140
−150
−160
−170
pull
Entries 86
Mean 58.25
Std Dev 24.18
6
4
2
0
−2

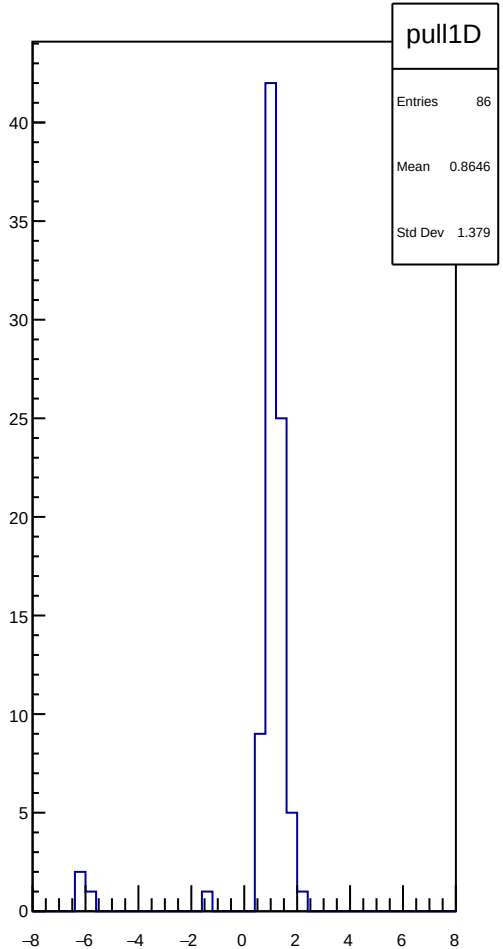

pull1D
Entries 86
Mean −0.06208
Std Dev 1.261
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

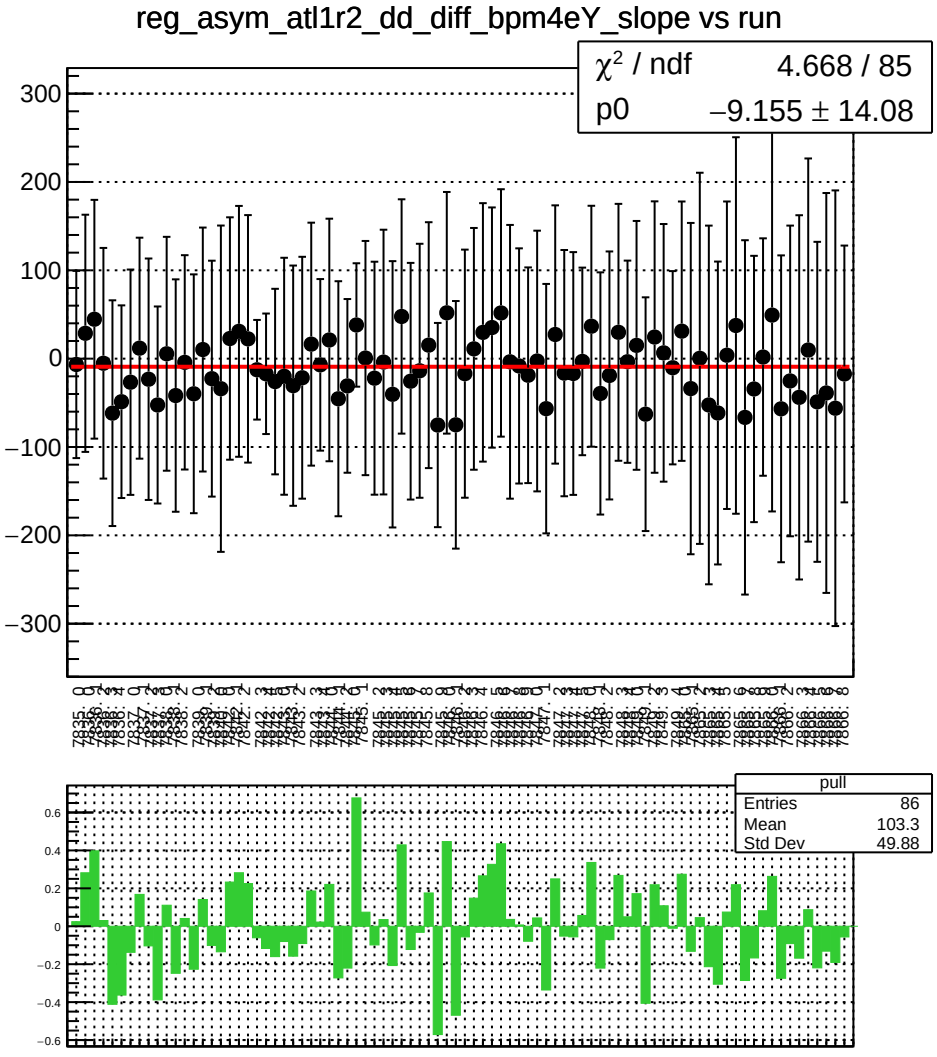

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 182.2 / 85
p0 223.4 ± 9.852
pull
Entries 86
Mean 47.21
Std Dev 27.04

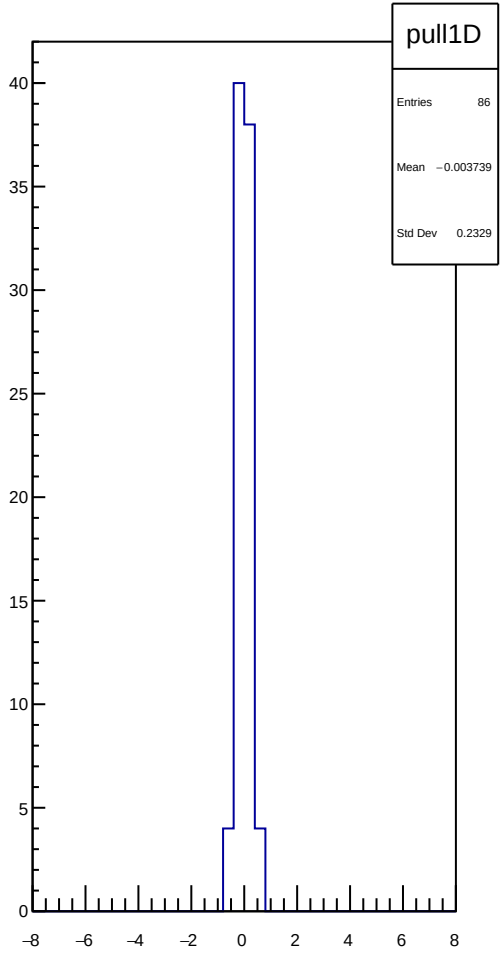

pull1D
Entries 86
Mean −0.6824
Std Dev 1.286

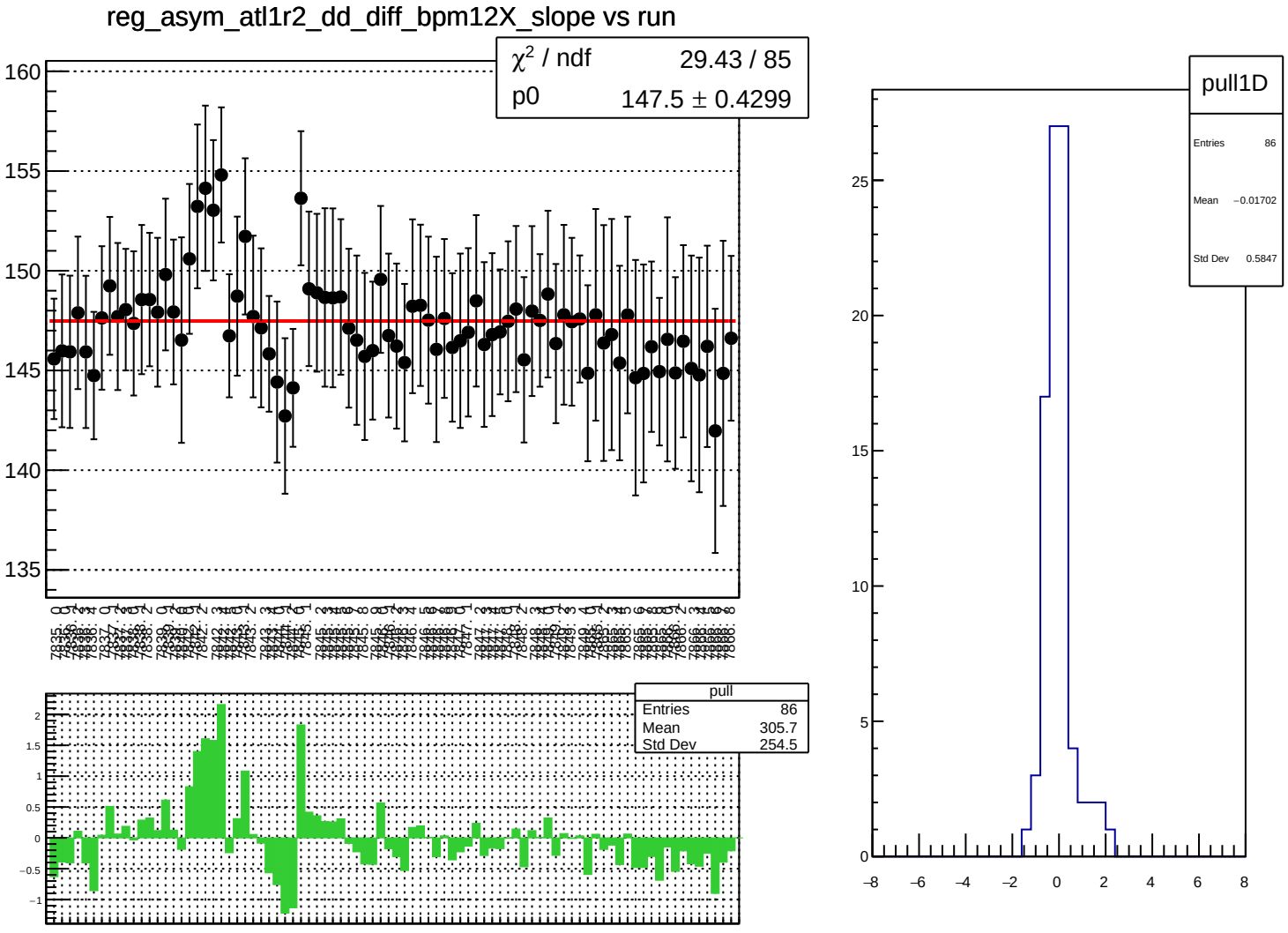

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.311 / 85
p0 −48.98 ± 12.06
pull
Entries 86
Mean 162.8
Std Dev 103.1
pull1D
Entries 86
Mean 0.01241
Std Dev 0.2482

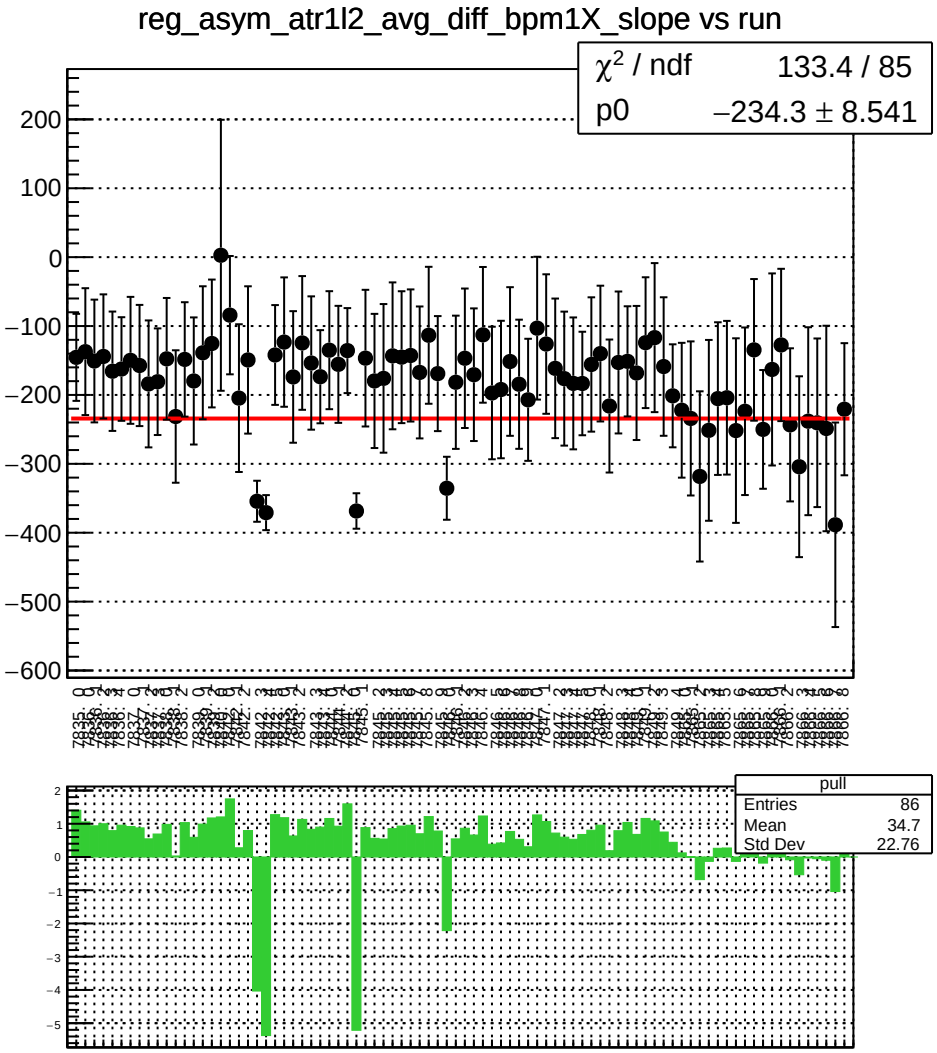

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 227.9 / 85
p0 −267.5 ± 8.469
pull
Entries 86
Mean 47.17
Std Dev 26.88

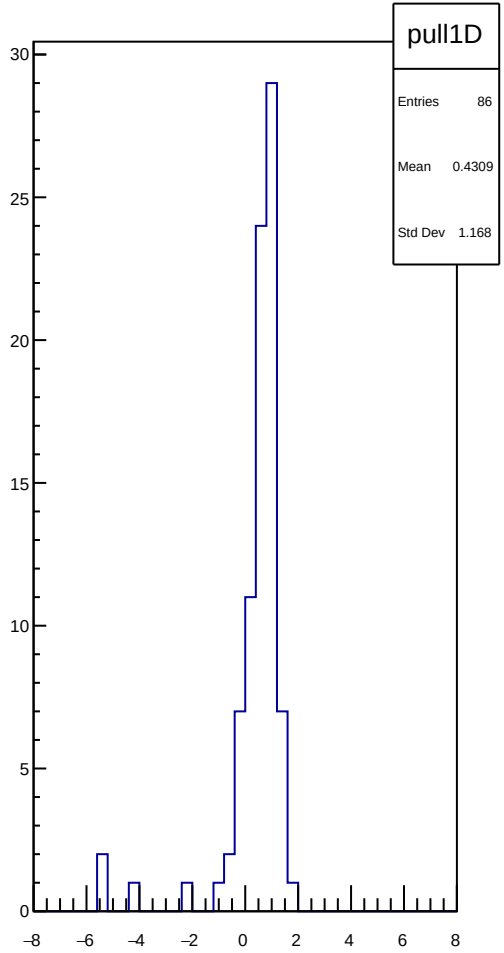

pull1D
Entries 86
Mean 0.8646
Std Dev 1.379

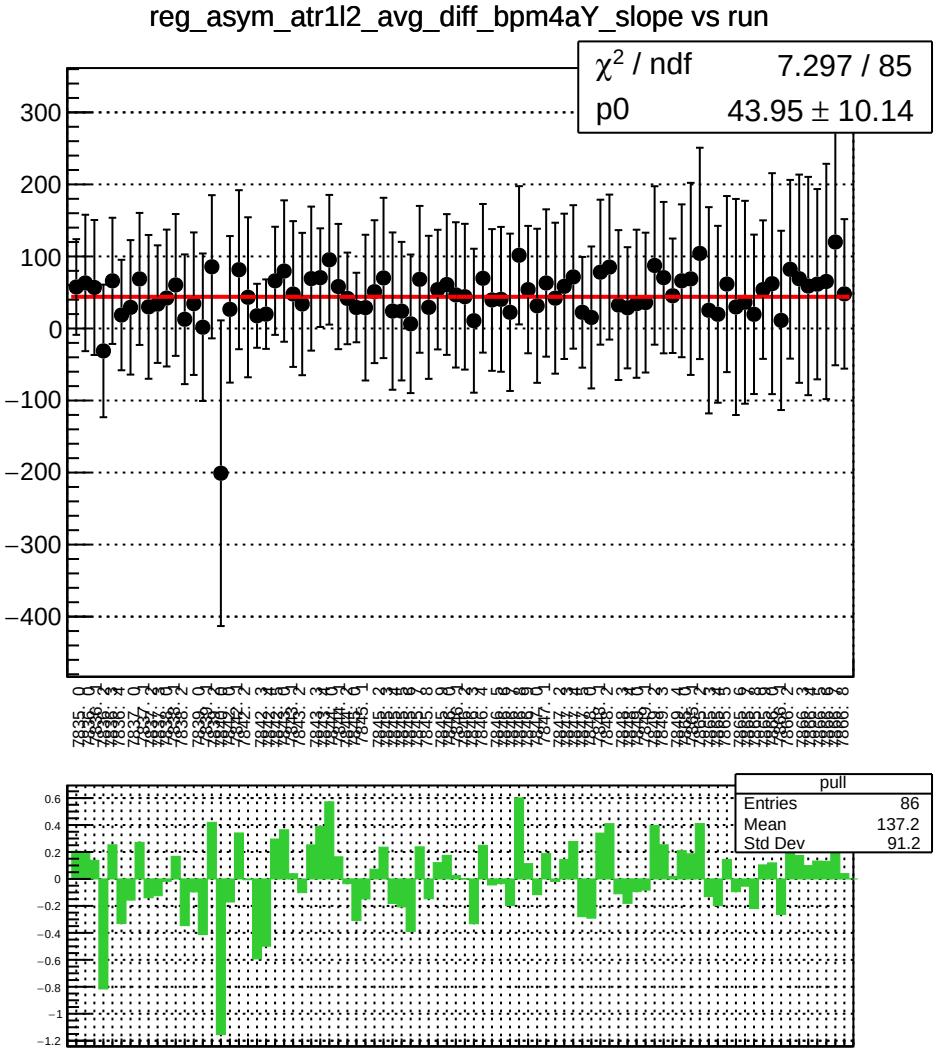

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.668 / 85
p0 −9.155 ± 14.08
pull
Entries 86
Mean 103.3
Std Dev 49.88

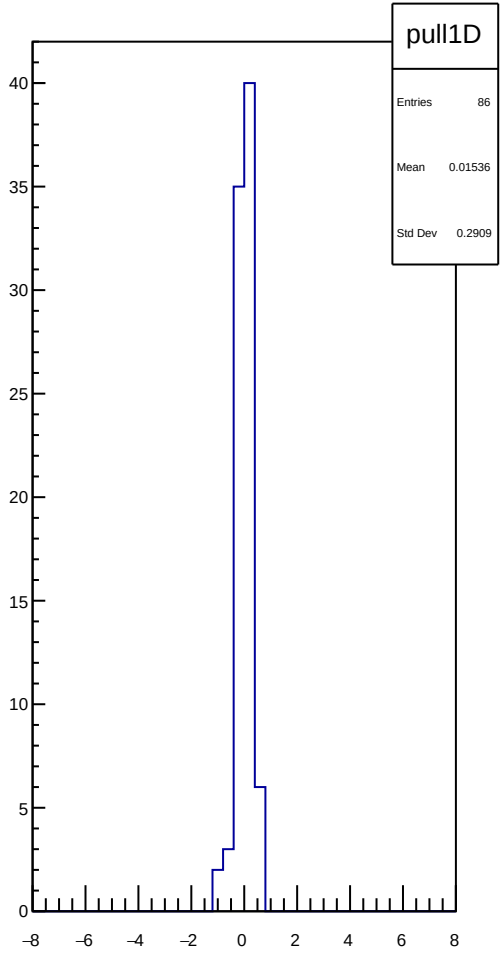

pull1D
Entries 86
Mean −0.003739
Std Dev 0.2329

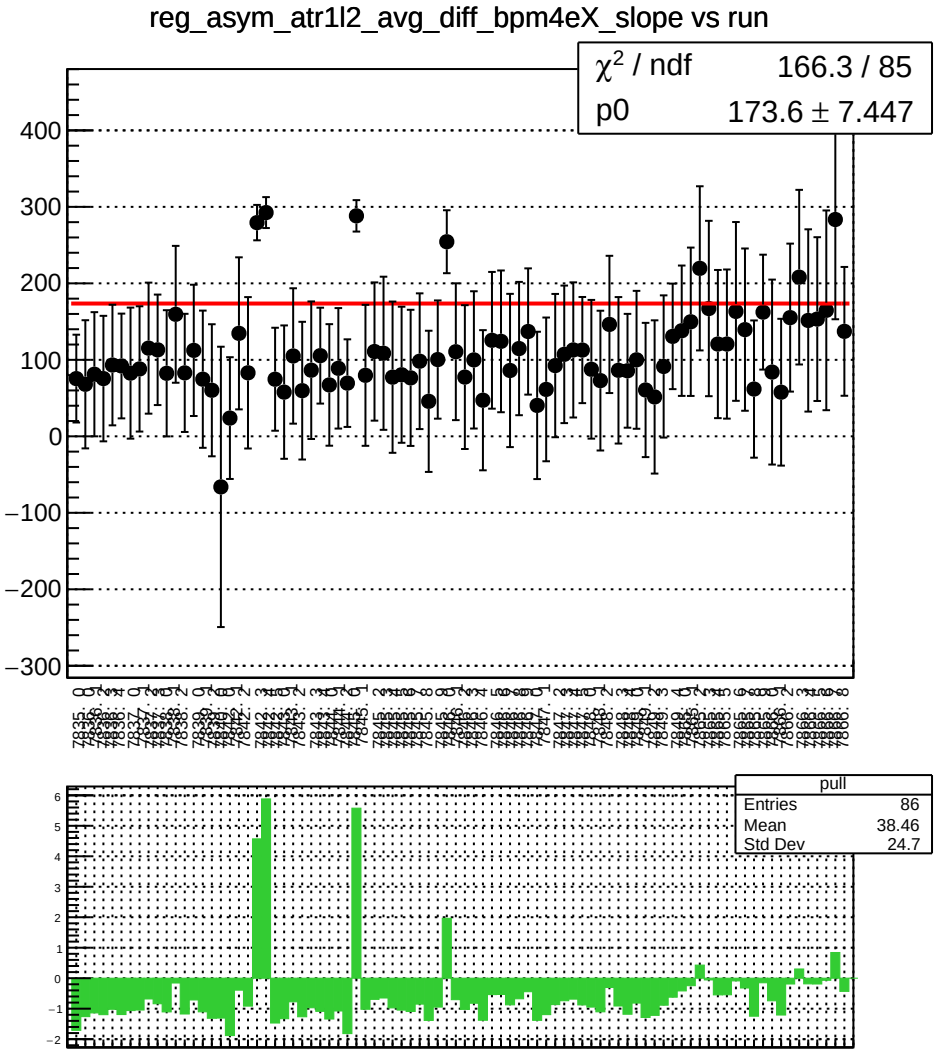

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 29.43 / 85
p0 147.5 ± 0.4299
160
155
150
145
140
135
pull
Entries 86
Mean 305.7
Std Dev 254.5
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 86
Mean −0.01702
Std Dev 0.5847
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

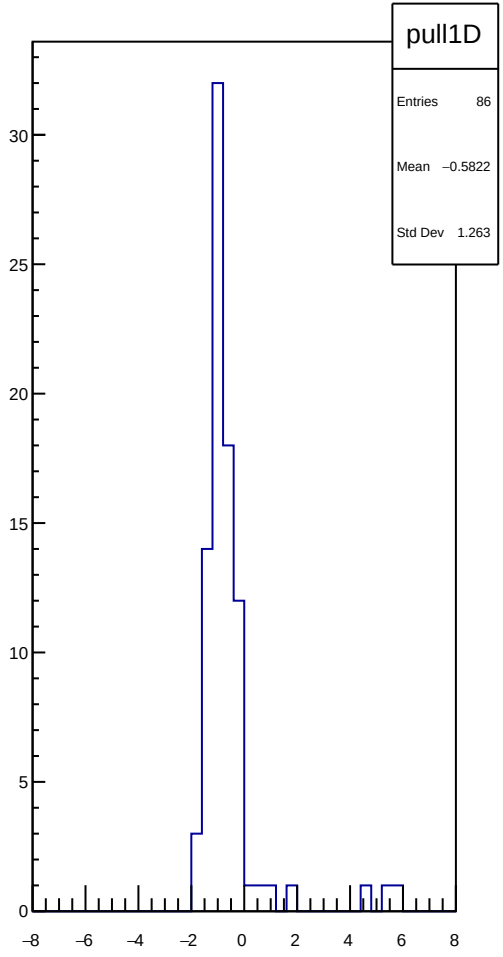

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ^2 / ndf 133.4 / 85
p0 −234.3 ± 8.541
pull
Entries 86
Mean 34.7
Std Dev 22.76

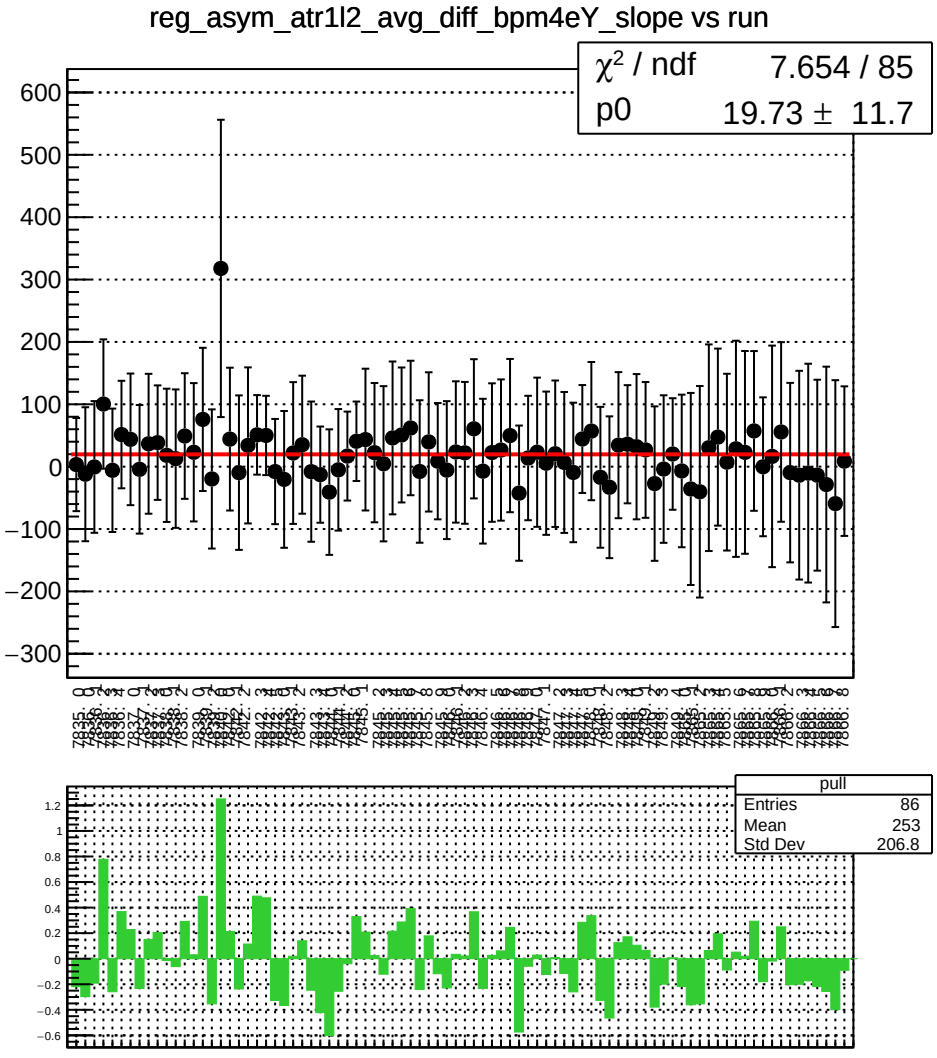

pull1D
Entries 86
Mean 0.4309
Std Dev 1.168

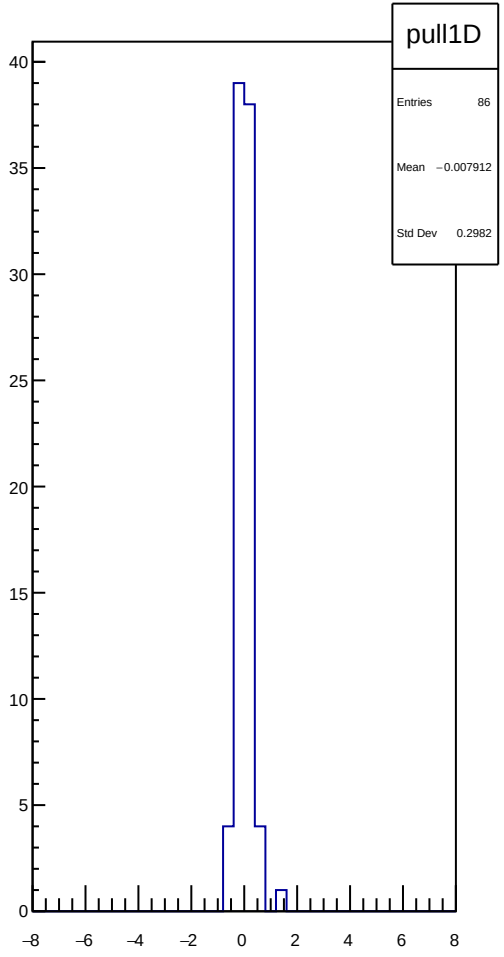

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 7.297 / 85
p0 43.95 ± 10.14
pull
Entries 86
Mean 137.2
Std Dev 91.2

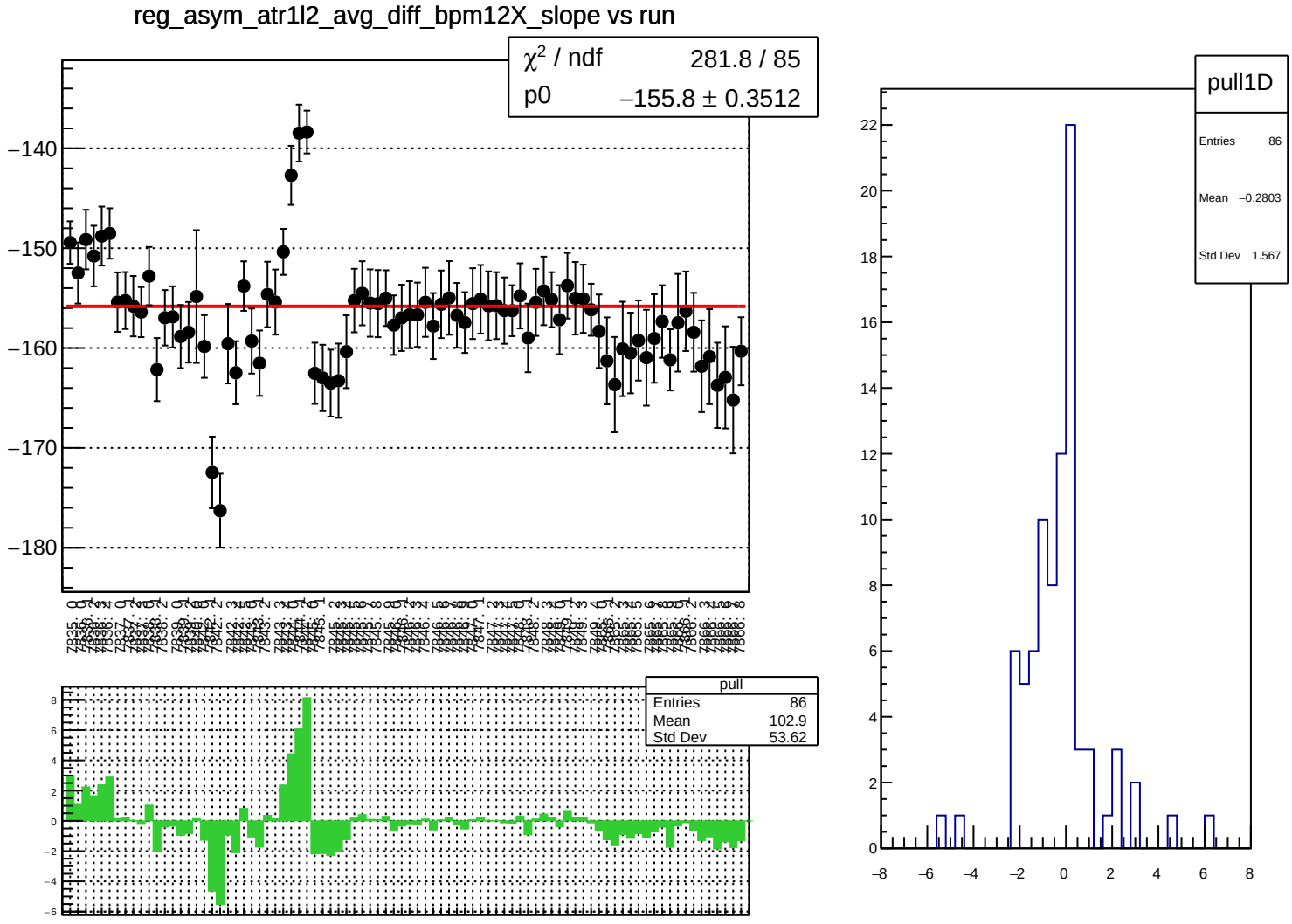

pull1D
Entries 86
Mean 0.01536
Std Dev 0.2909

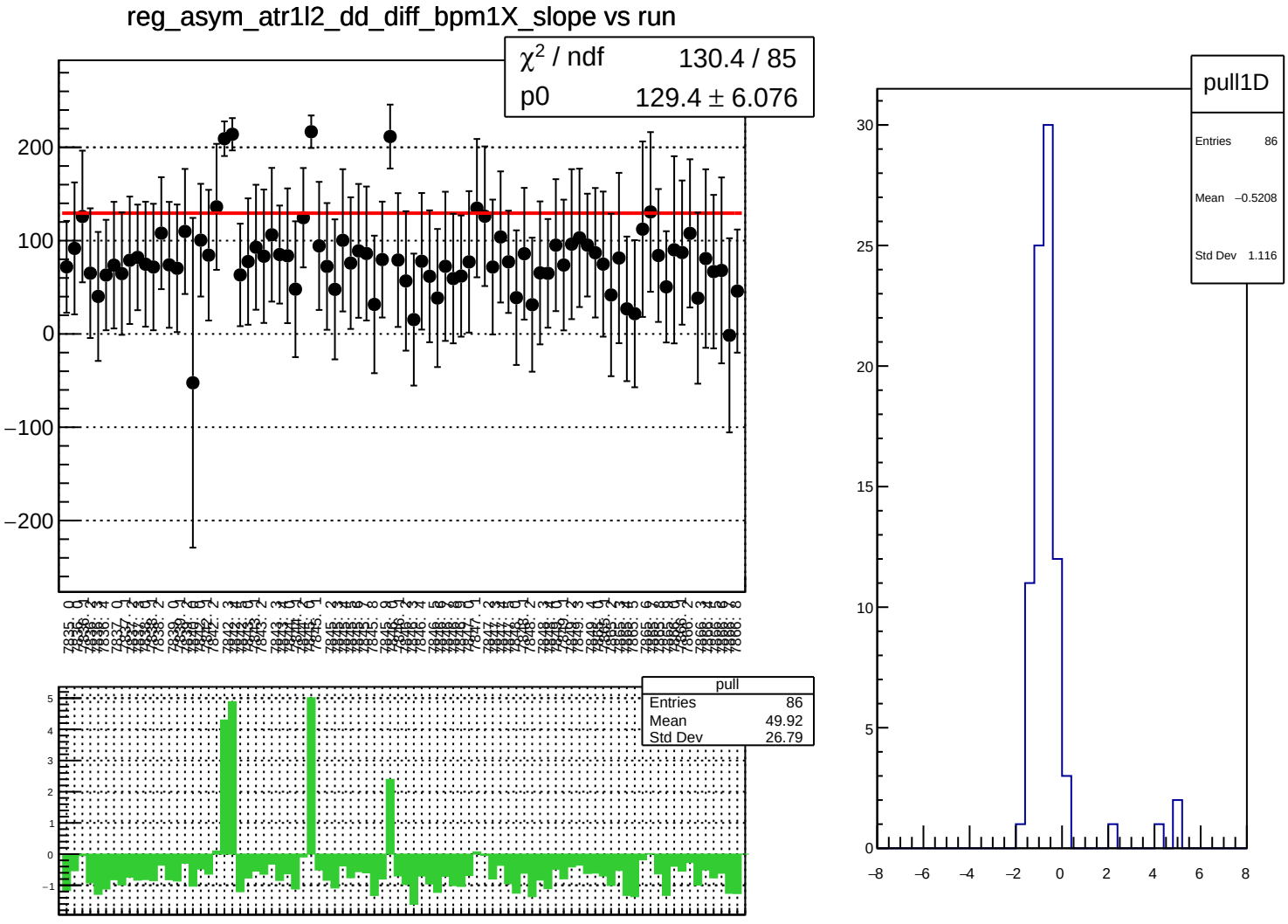

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 166.3 / 85
p0 173.6 ± 7.447
pull
Entries 86
Mean 38.46
Std Dev 24.7

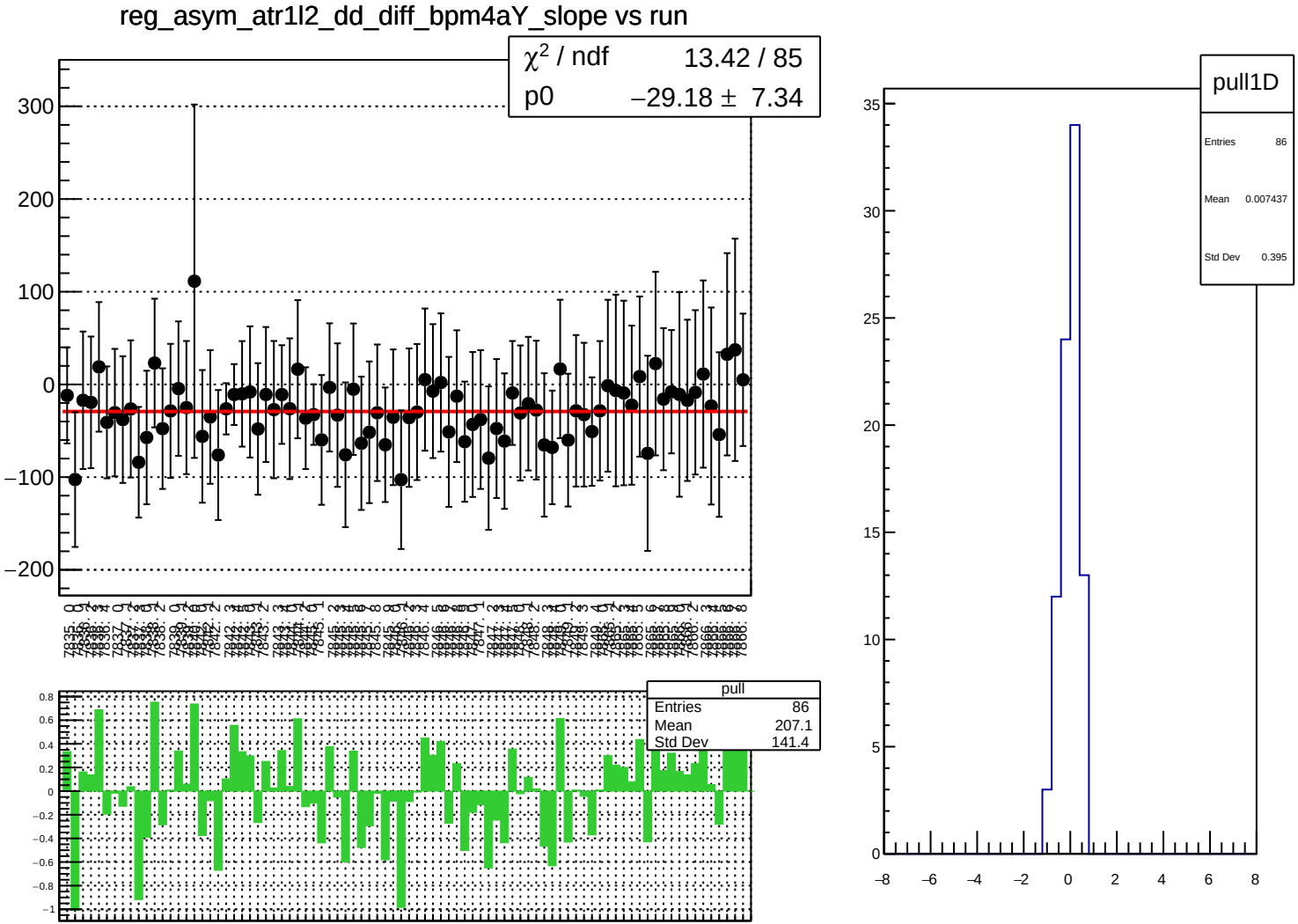

pull1D
Entries 86
Mean −0.5822
Std Dev 1.263

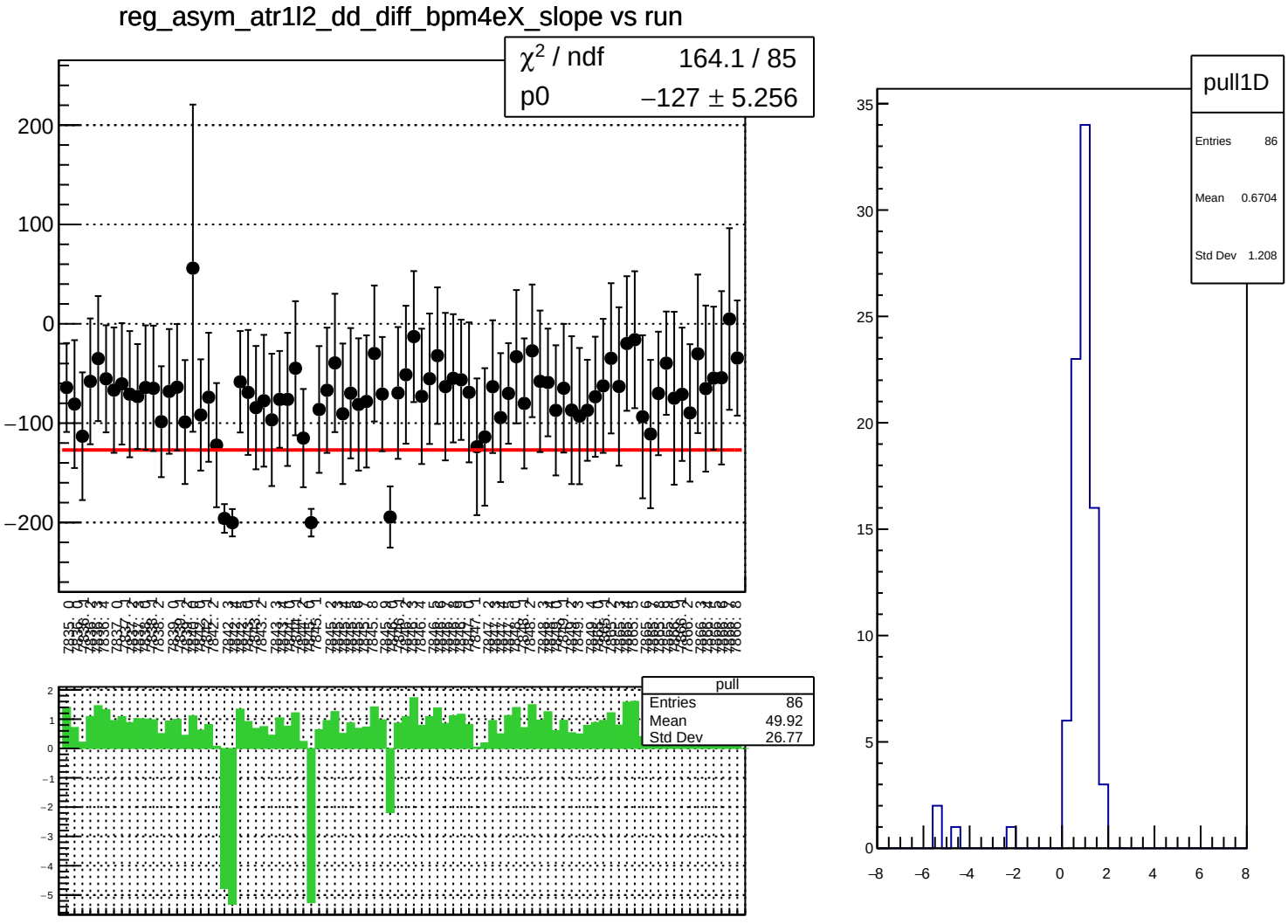

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.654 / 85
p0 19.73 ± 11.7
pull
Entries 86
Mean 253
Std Dev 206.8

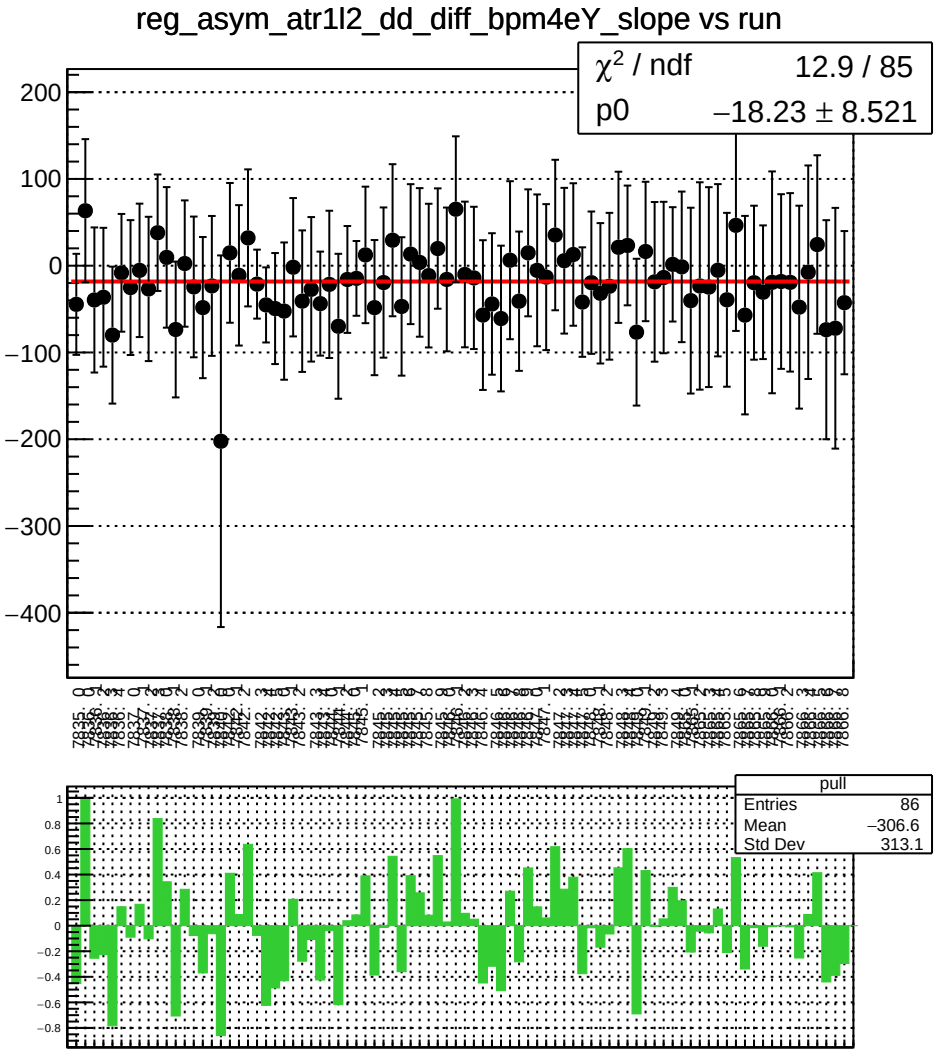

pull1D
Entries 86
Mean −0.007912
Std Dev 0.2982

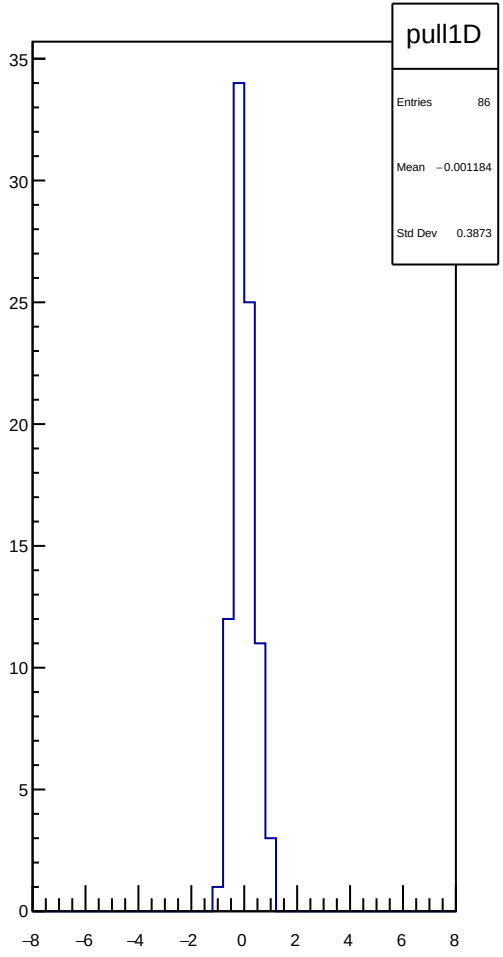

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ^2 / ndf 281.8 / 85
p0 −155.8 ± 0.3512
pull
Entries 86
Mean 102.9
Std Dev 53.62
pull1D
Entries 86
Mean −0.2803
Std Dev 1.567

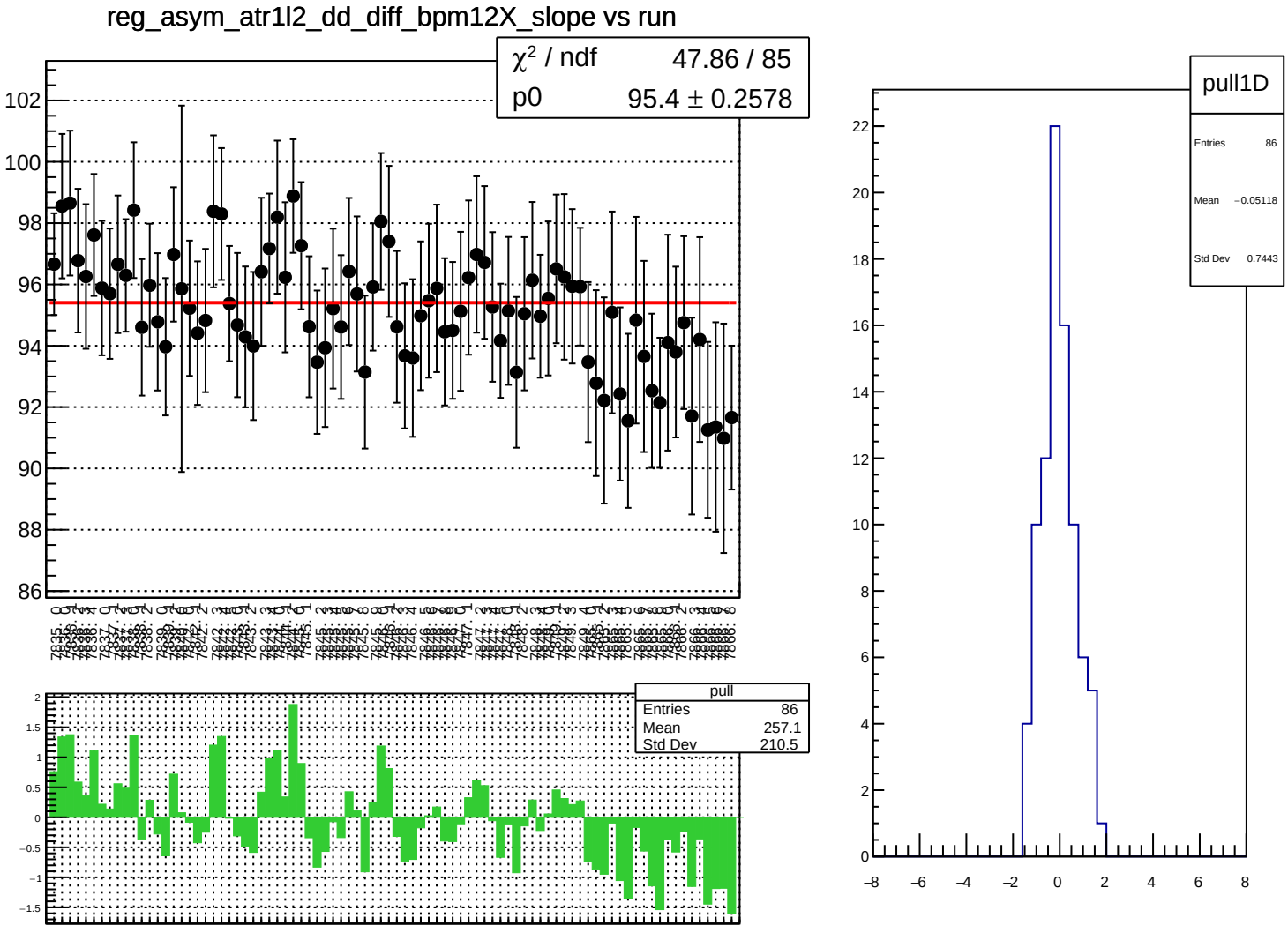

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 130.4 / 85
p0 129.4 ± 6.076
pull
Entries 86
Mean 49.92
Std Dev 26.79
pull1D
Entries 86
Mean −0.5208
Std Dev 1.116

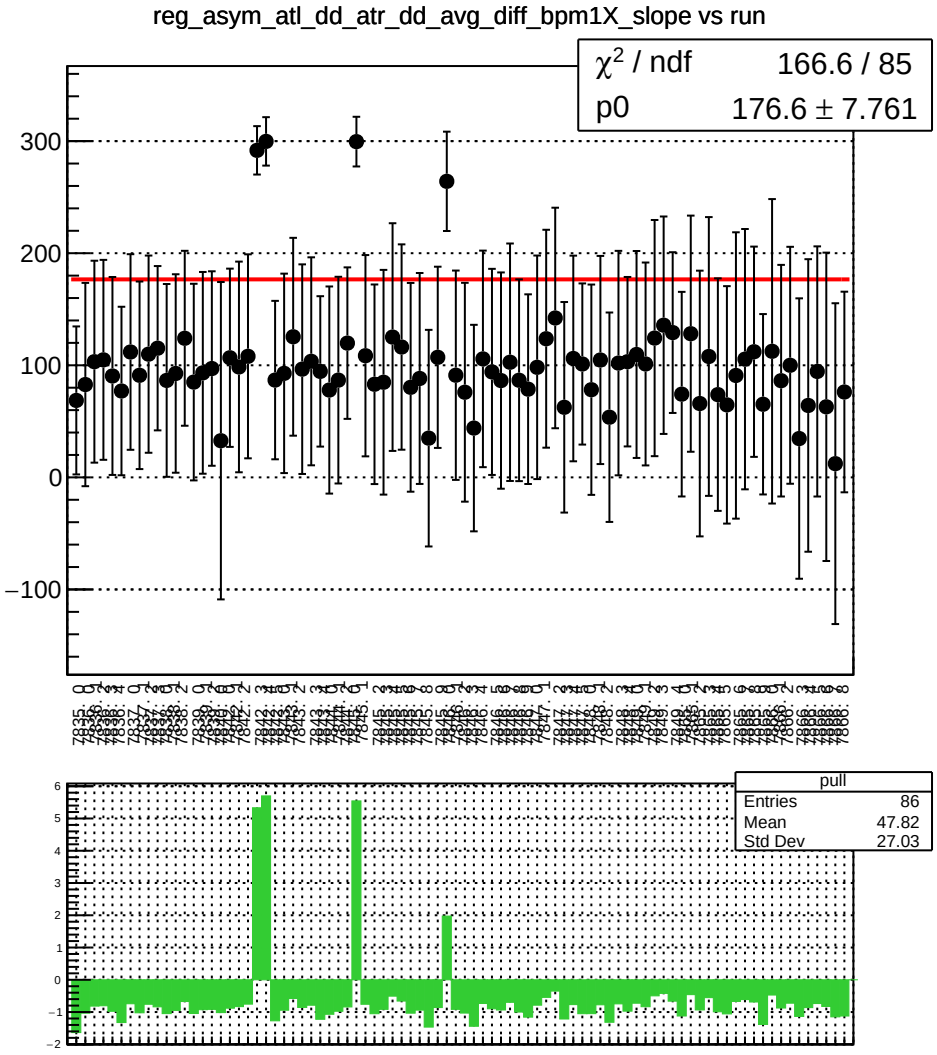

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.42 / 85
p0 −29.18 ± 7.34
pull
Entries 86
Mean 207.1
Std Dev 141.4
pull1D
Entries 86
Mean 0.007437
Std Dev 0.395

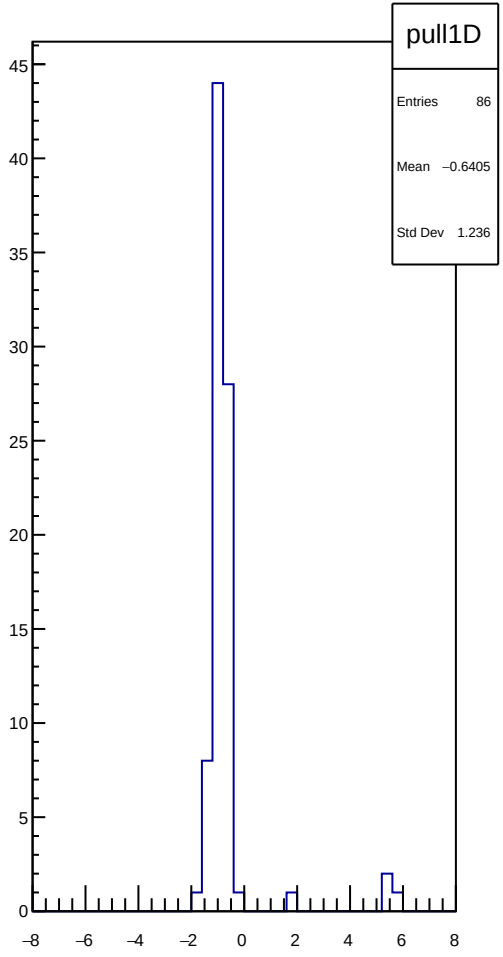

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 164.1 / 85
p0 −127 ± 5.256
pull
Entries 86
Mean 49.92
Std Dev 26.77
pull1D
Entries 86
Mean 0.6704
Std Dev 1.208

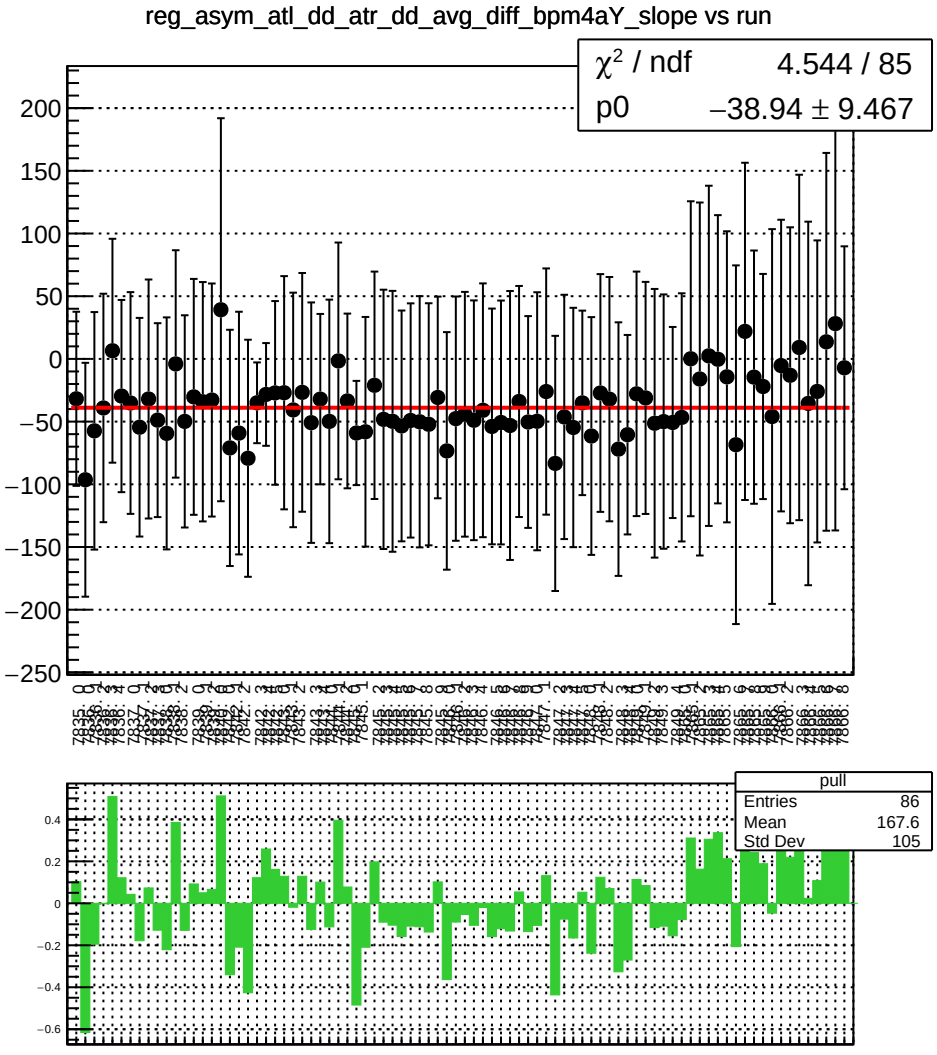

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.9 / 85
p0 −18.23 ± 8.521
pull
Entries 86
Mean −306.6
Std Dev 313.1

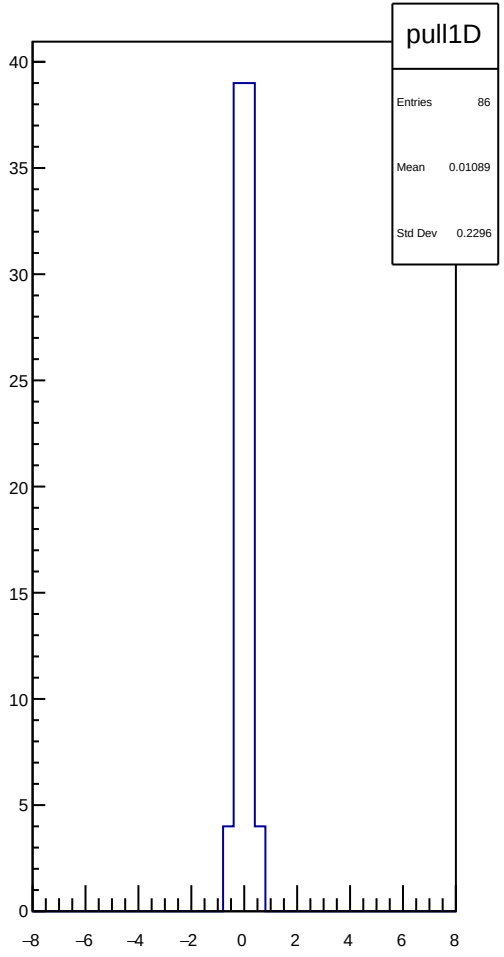

pull1D
Entries 86
Mean −0.001184
Std Dev 0.3873

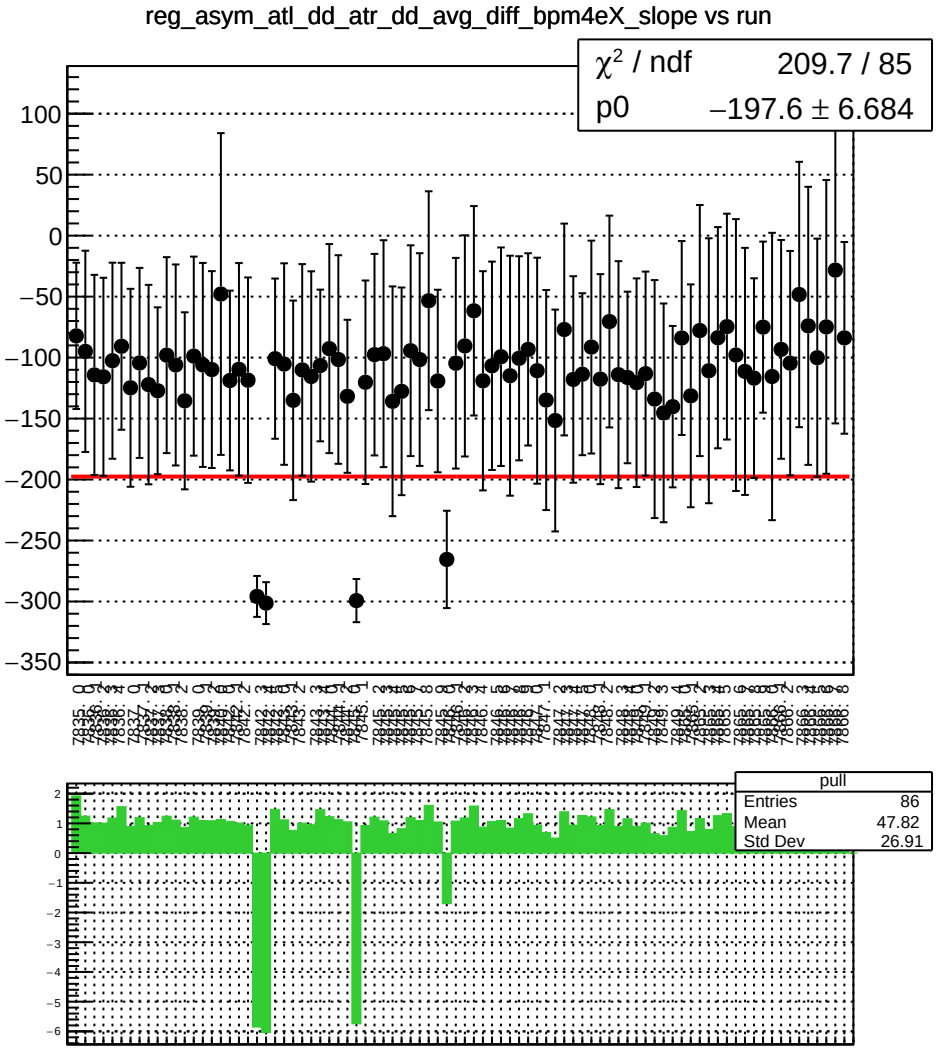

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 47.86 / 85
p0 95.4 ± 0.2578
pull
Entries 86
Mean 257.1
Std Dev 210.5
pull1D
Entries 86
Mean −0.05118
Std Dev 0.7443

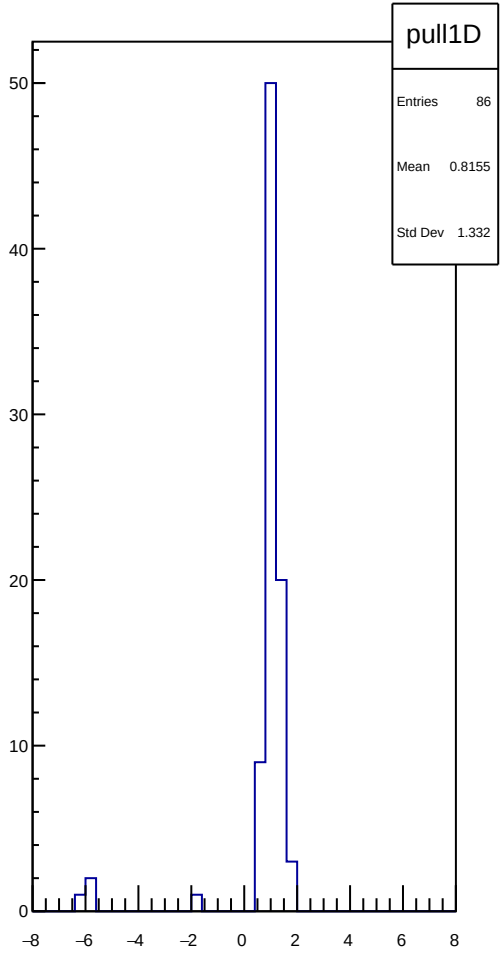

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 166.6 / 85
p0 176.6 ± 7.761
pull
Entries 86
Mean 47.82
Std Dev 27.03

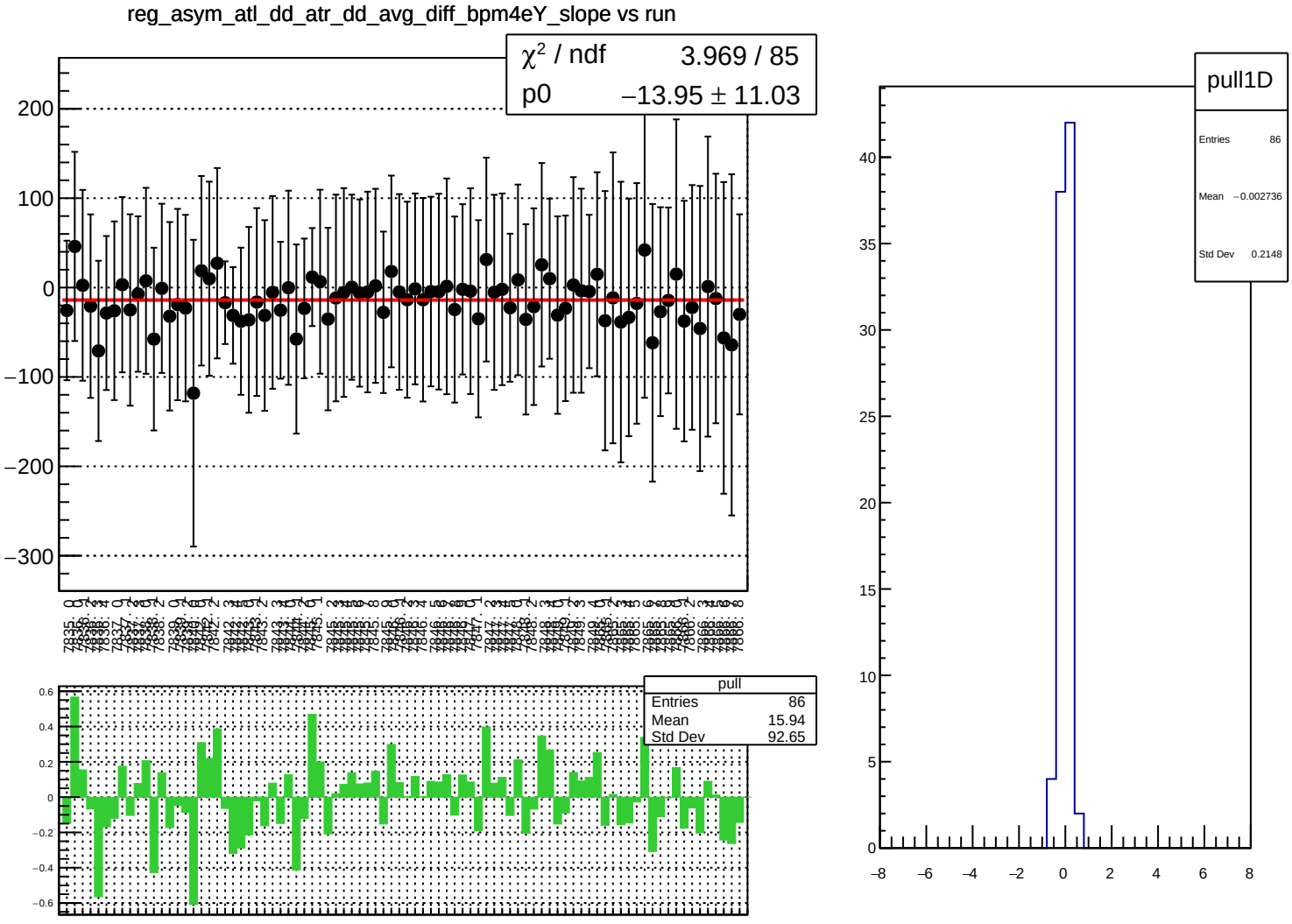

pull1D
Entries 86
Mean −0.6405
Std Dev 1.236

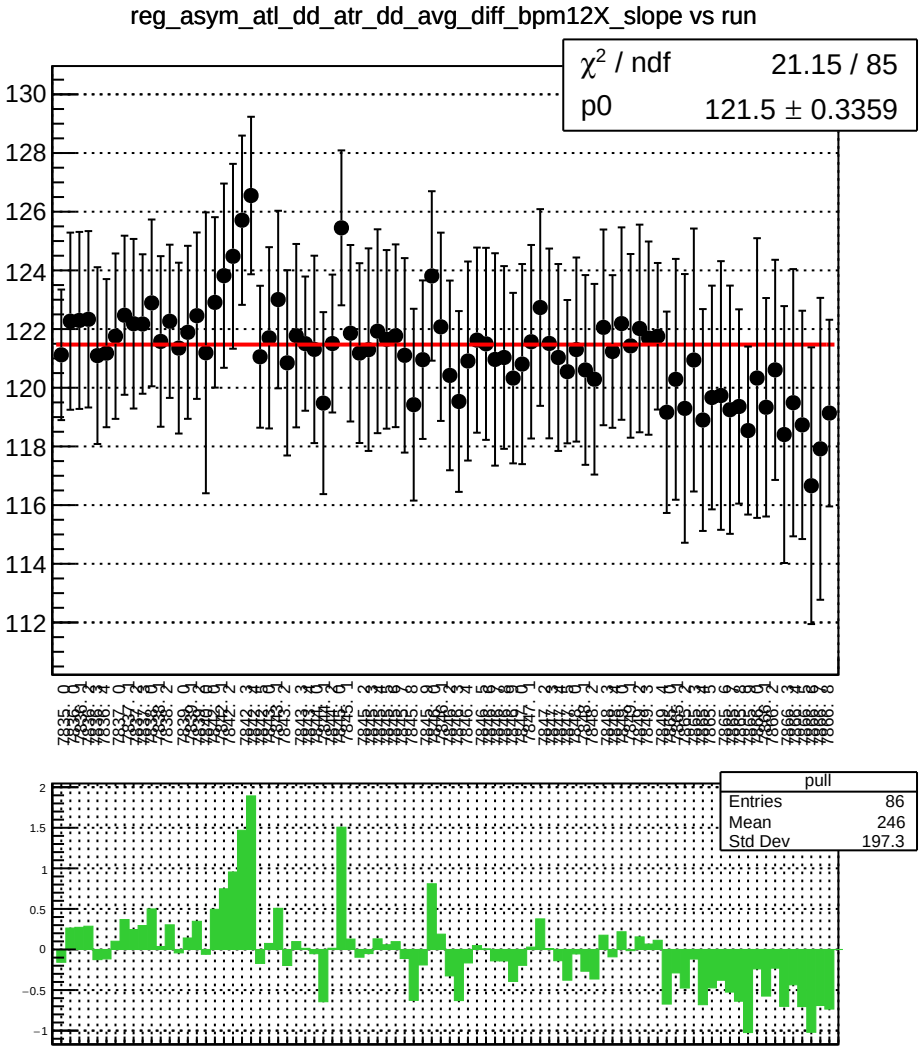

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.544 / 85
p0 −38.94 ± 9.467
pull
Entries 86
Mean 167.6
Std Dev 105

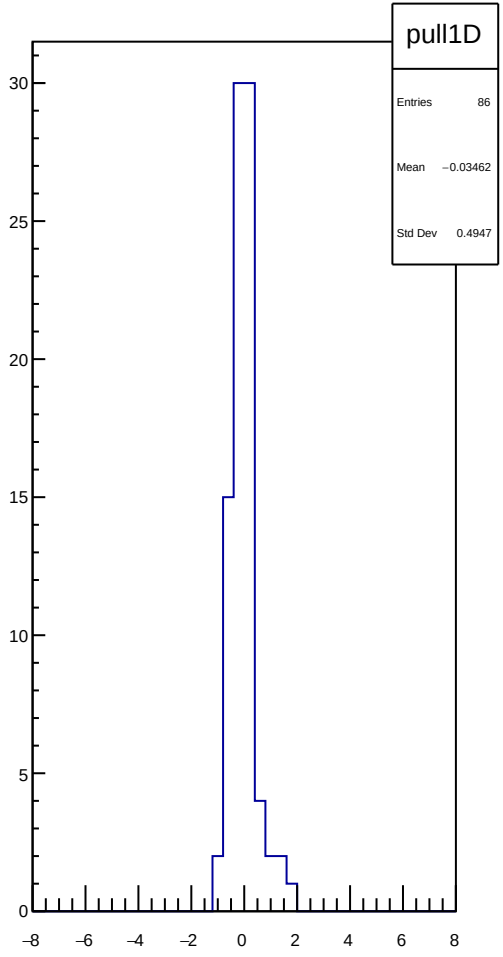

pull1D
Entries 86
Mean 0.01089
Std Dev 0.2296

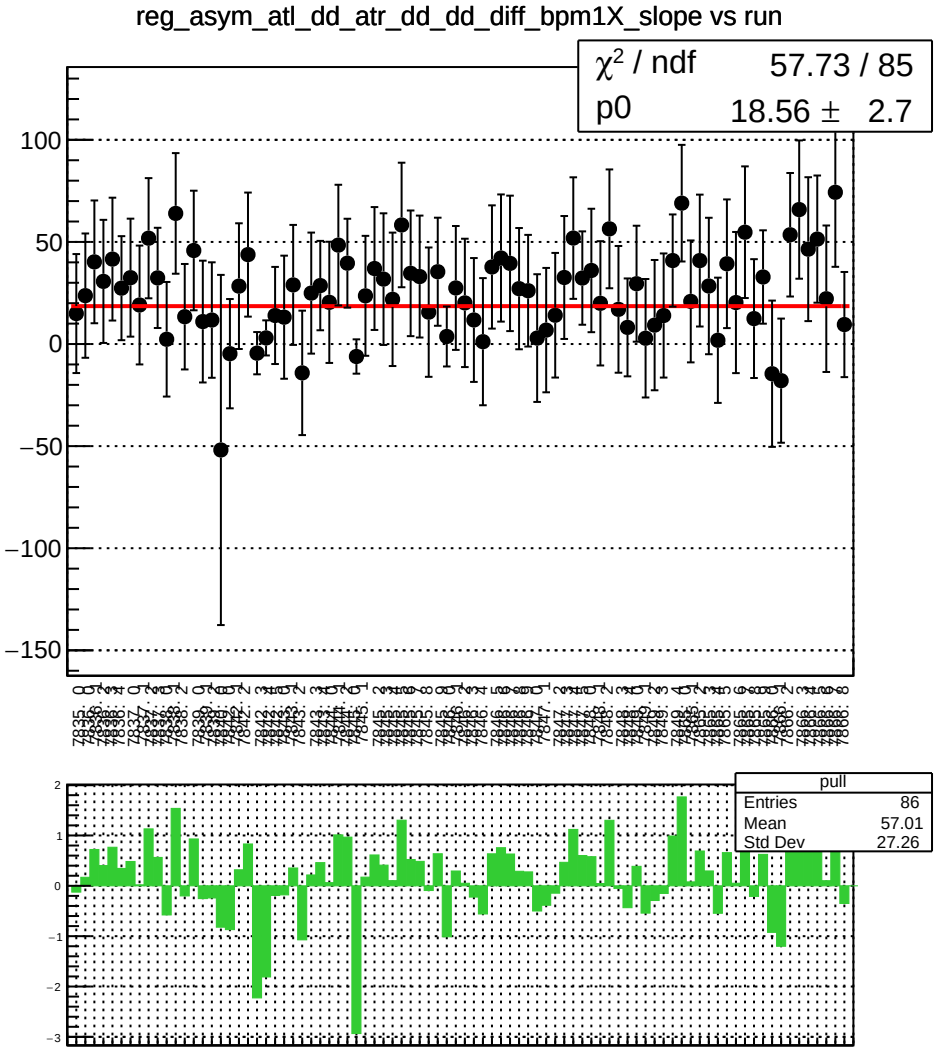

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 209.7 / 85
p0 −197.6 ± 6.684
pull
Entries 86
Mean 47.82
Std Dev 26.91

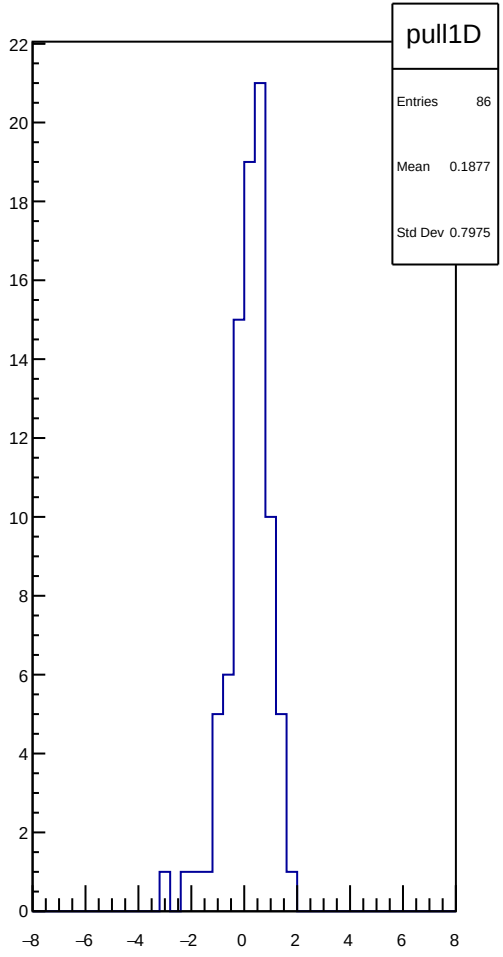

pull1D
Entries 86
Mean 0.8155
Std Dev 1.332

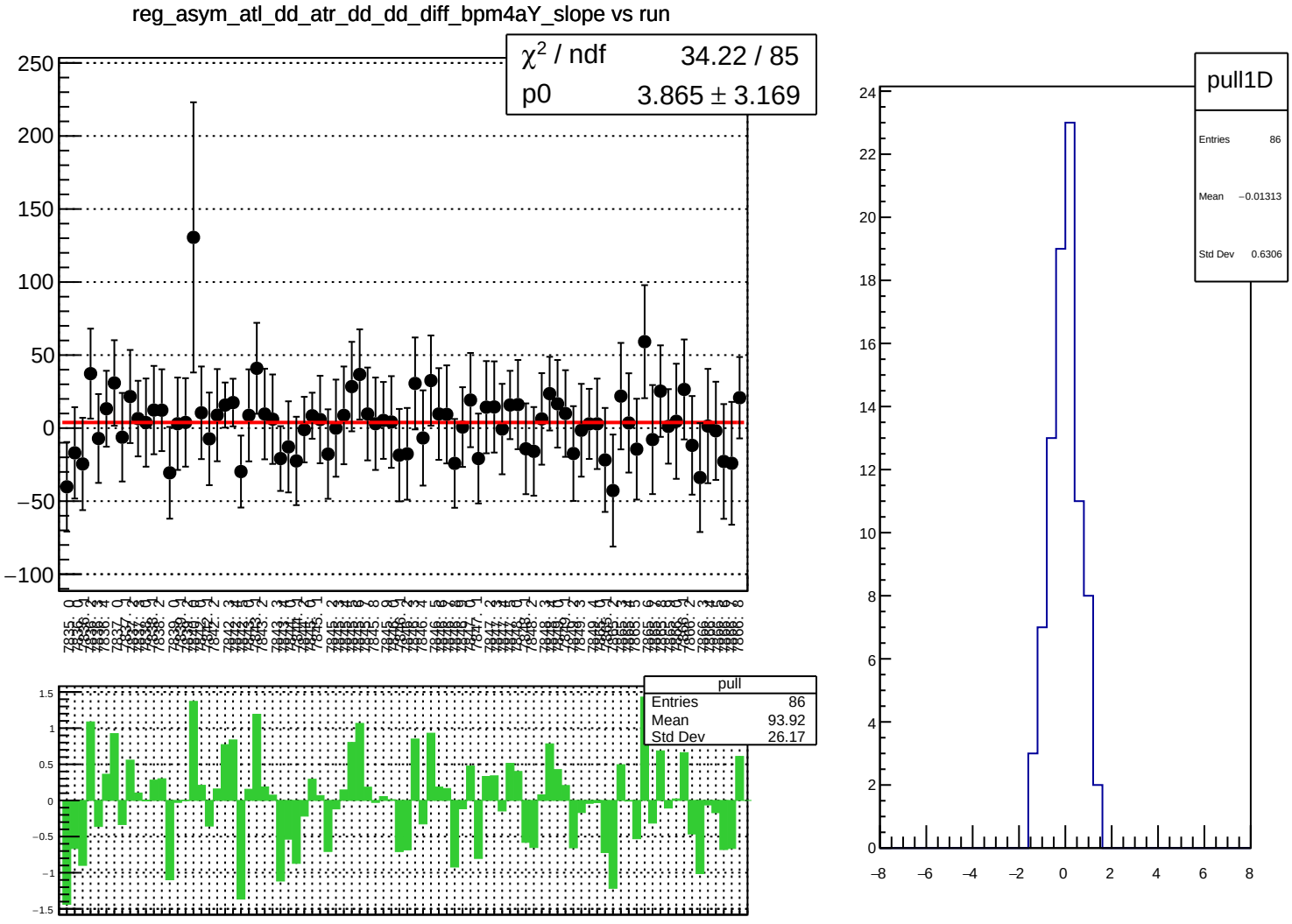

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.969 / 85
p0 −13.95 ± 11.03
pull
Entries 86
Mean 15.94
Std Dev 92.65
pull1D
Entries 86
Mean −0.002736
Std Dev 0.2148

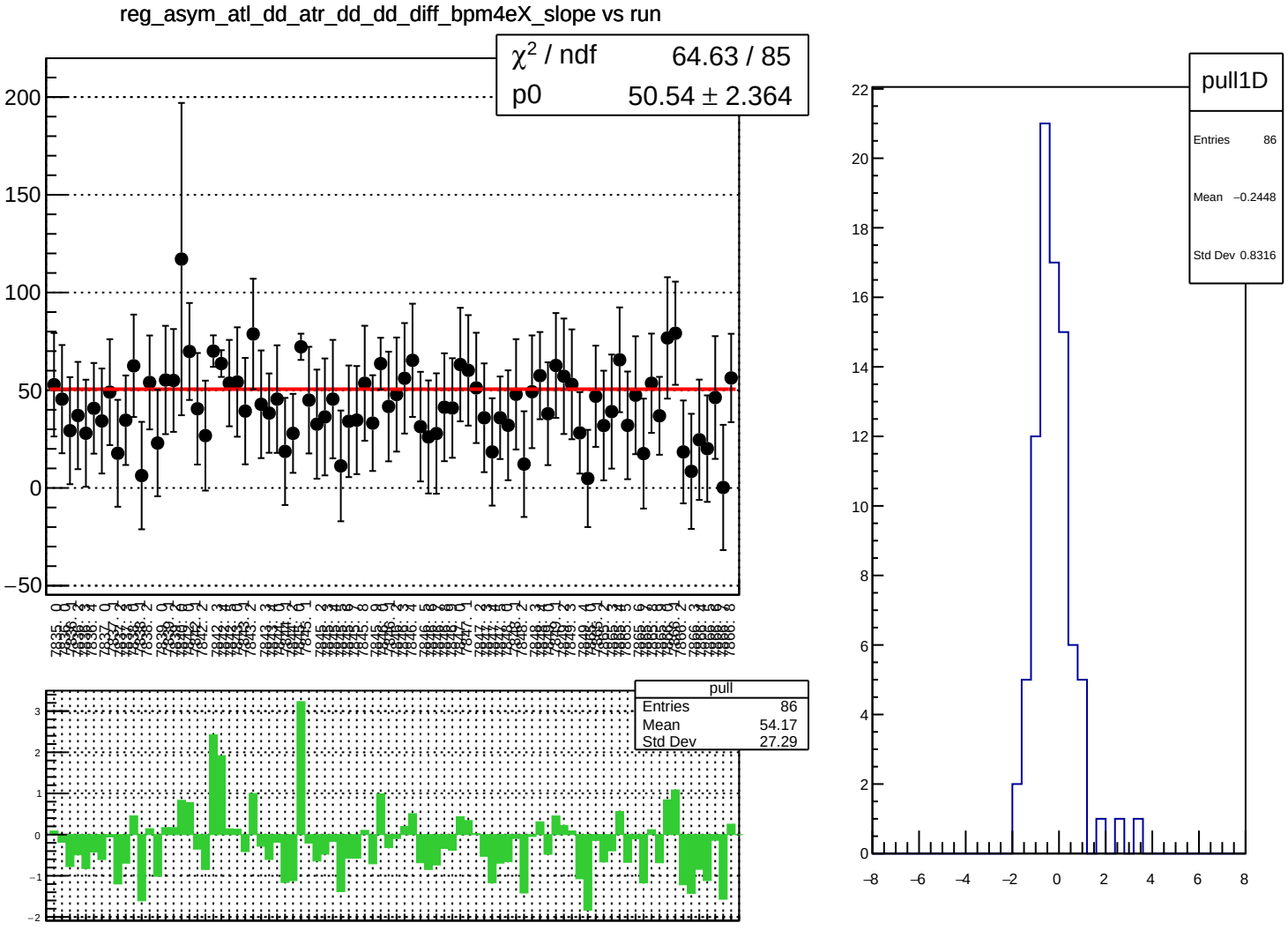

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ^2 / ndf 21.15 / 85
p0 121.5 ± 0.3359
pull
Entries 86
Mean 246
Std Dev 197.3

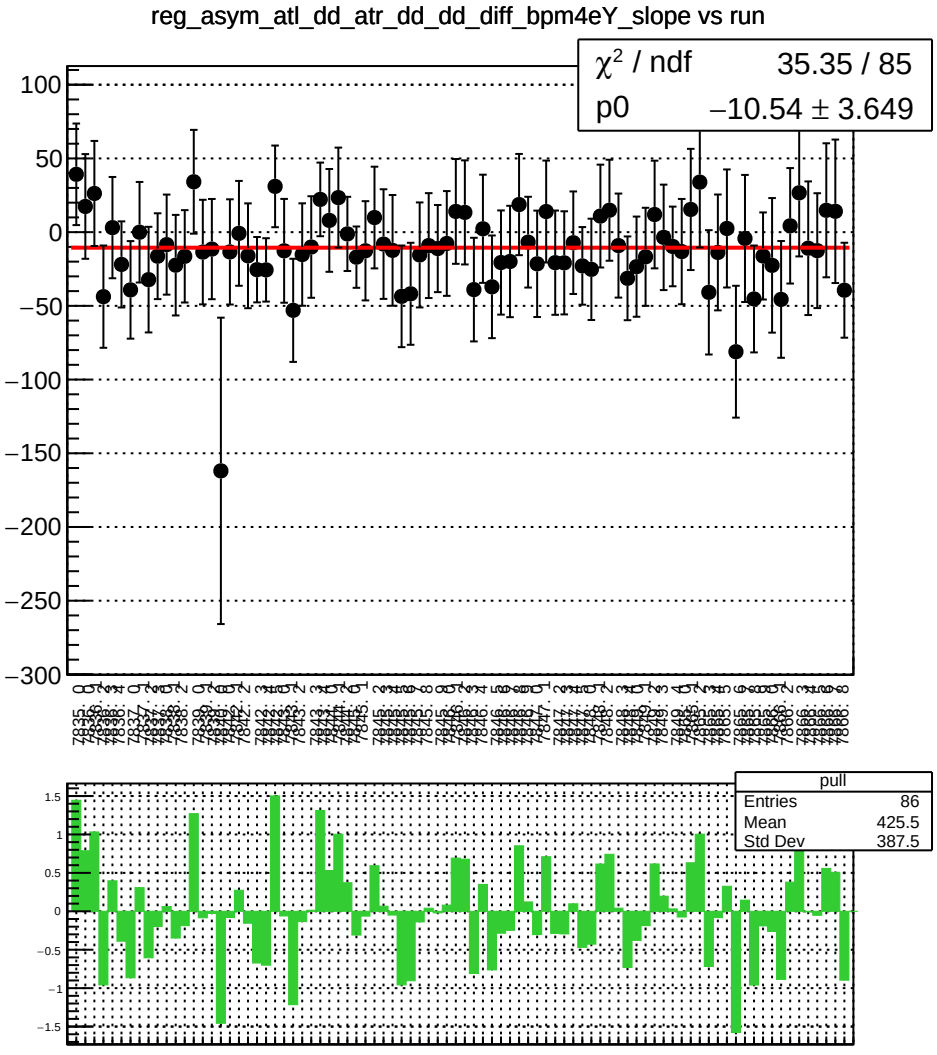

pull1D
Entries 86
Mean −0.03462
Std Dev 0.4947

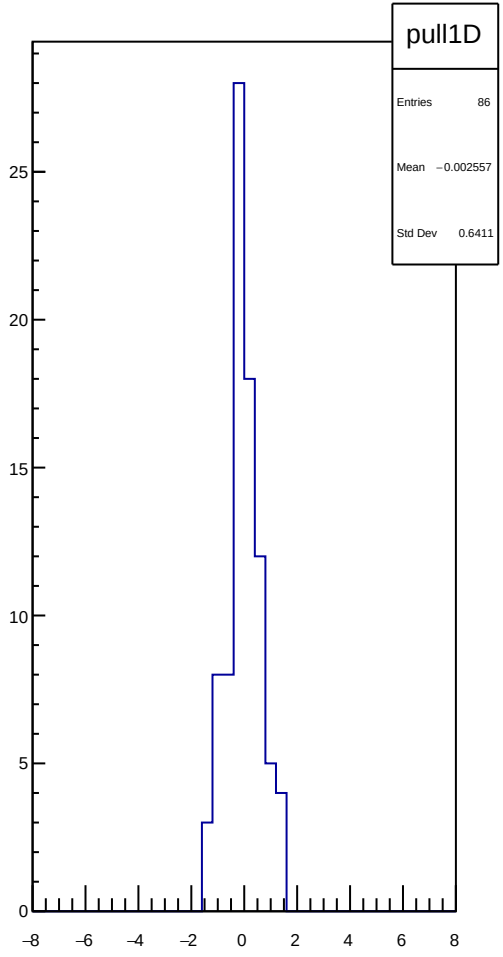

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 57.73 / 85
p0 18.56 ± 2.7
pull
Entries 86
Mean 57.01
Std Dev 27.26

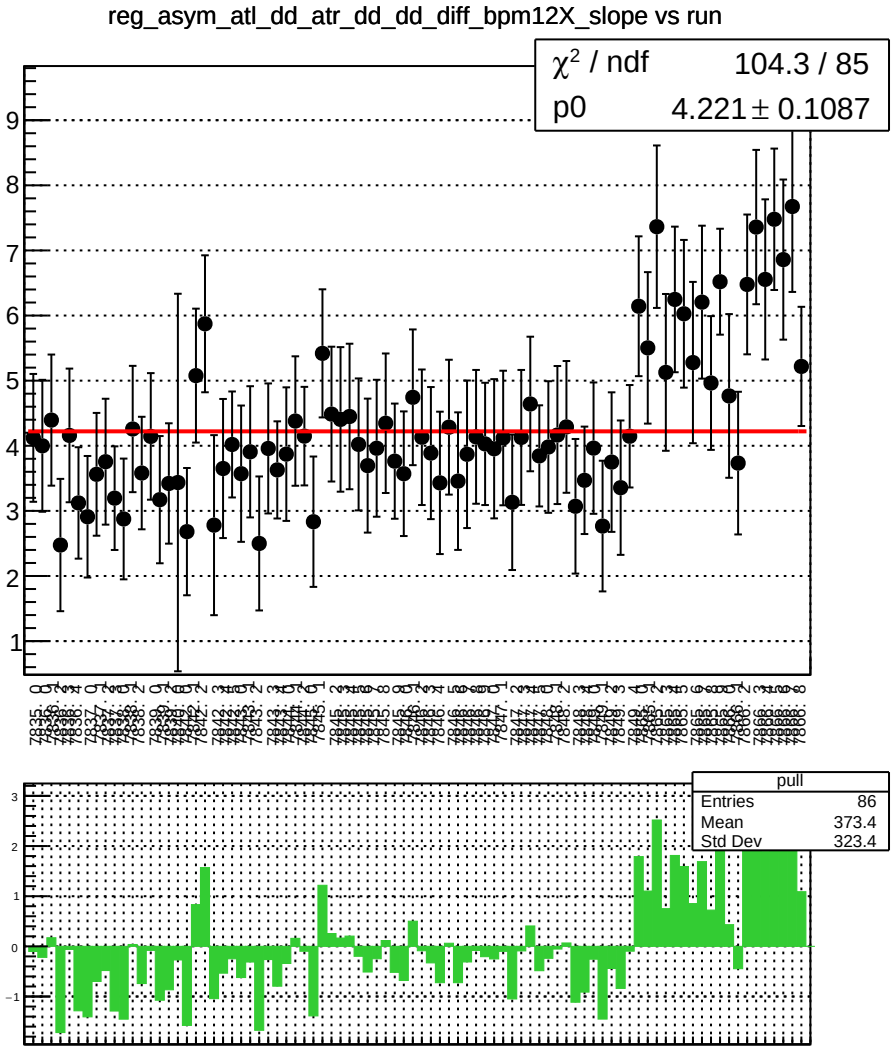

pull1D
Entries 86
Mean 0.1877
Std Dev 0.7975

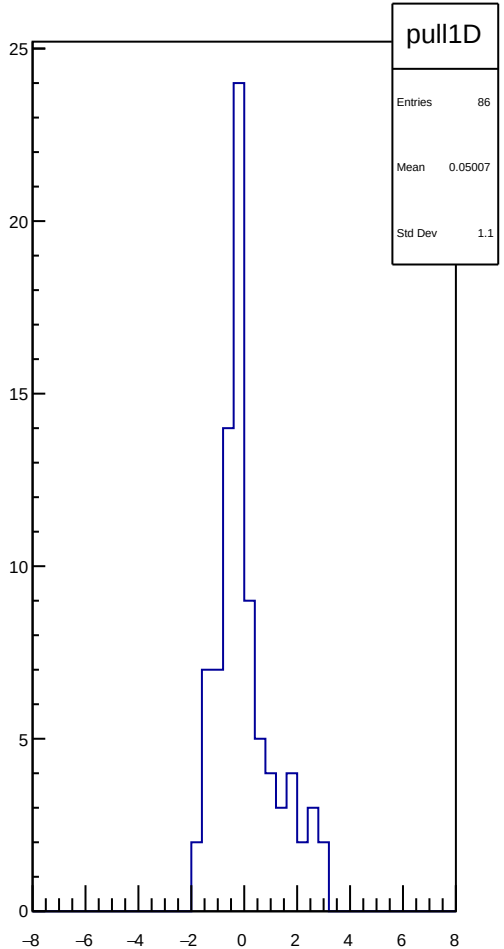

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 34.22 / 85
p0 3.865 ± 3.169
pull
Entries 86
Mean 93.92
Std Dev 26.17
pull1D
Entries 86
Mean −0.01313
Std Dev 0.6306

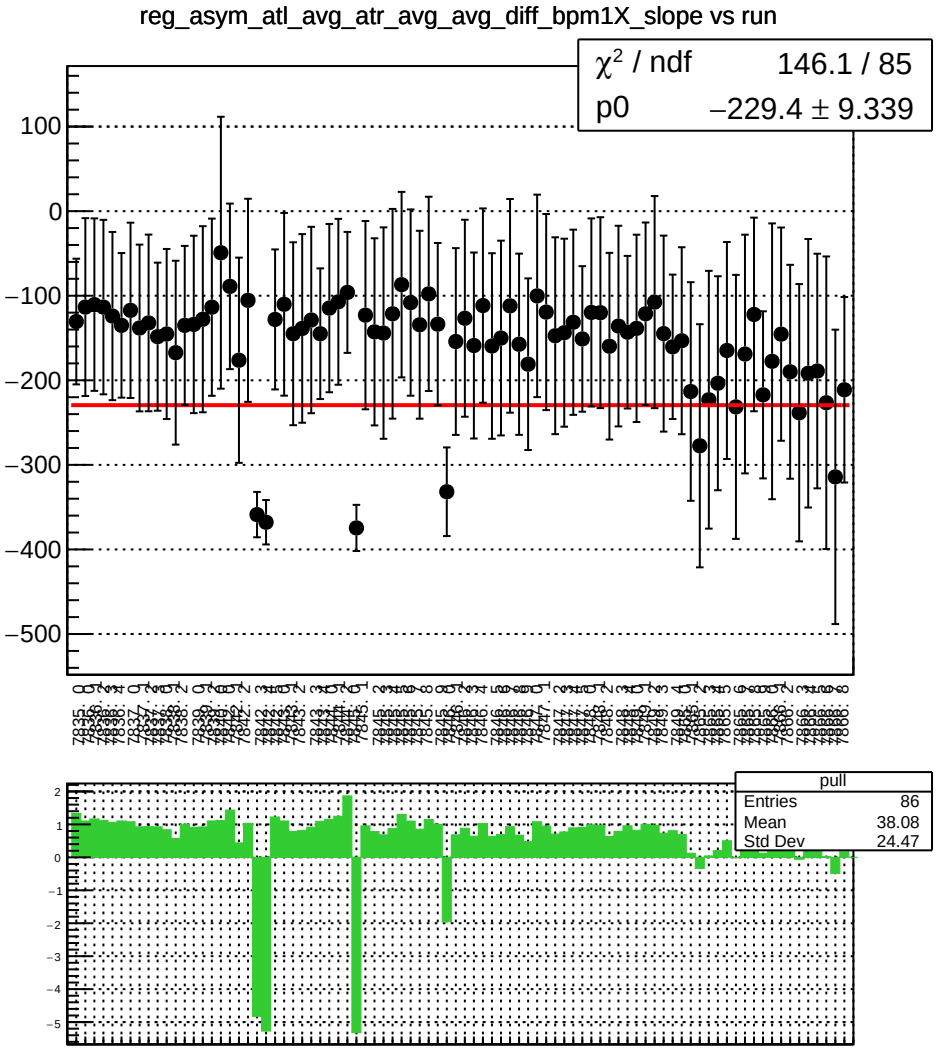

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 64.63 / 85
p0 50.54 ± 2.364
pull
Entries 86
Mean 54.17
Std Dev 27.29
pull1D
Entries 86
Mean −0.2448
Std Dev 0.8316

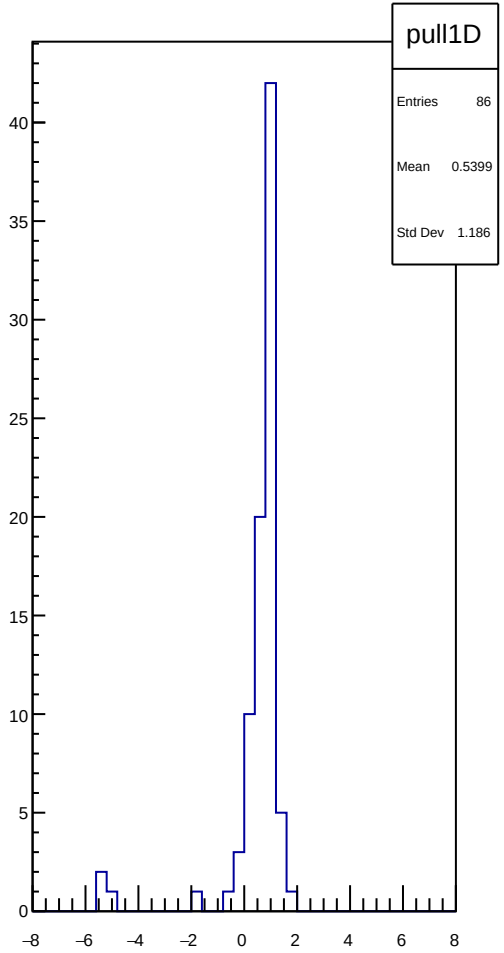

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 35.35 / 85
p0 −10.54 ± 3.649
pull
Entries 86
Mean 425.5
Std Dev 387.5

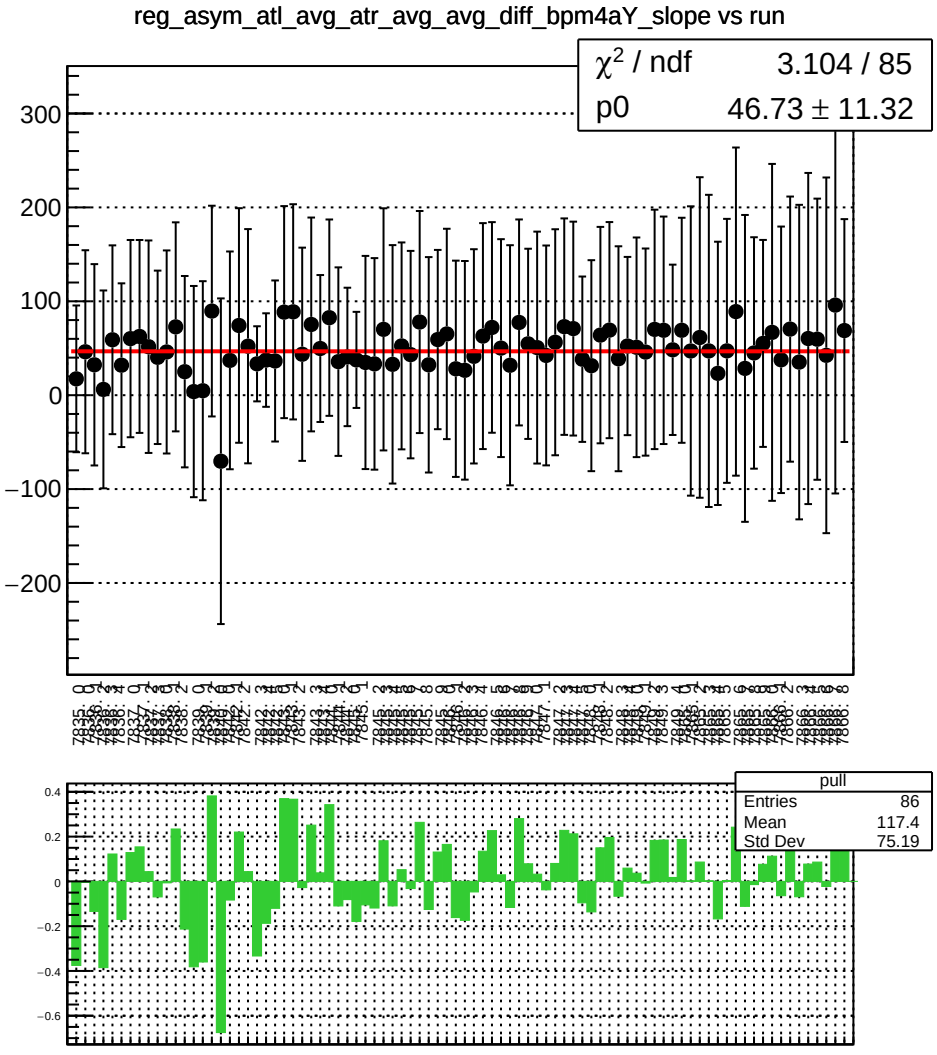

pull1D
Entries 86
Mean −0.002557
Std Dev 0.6411

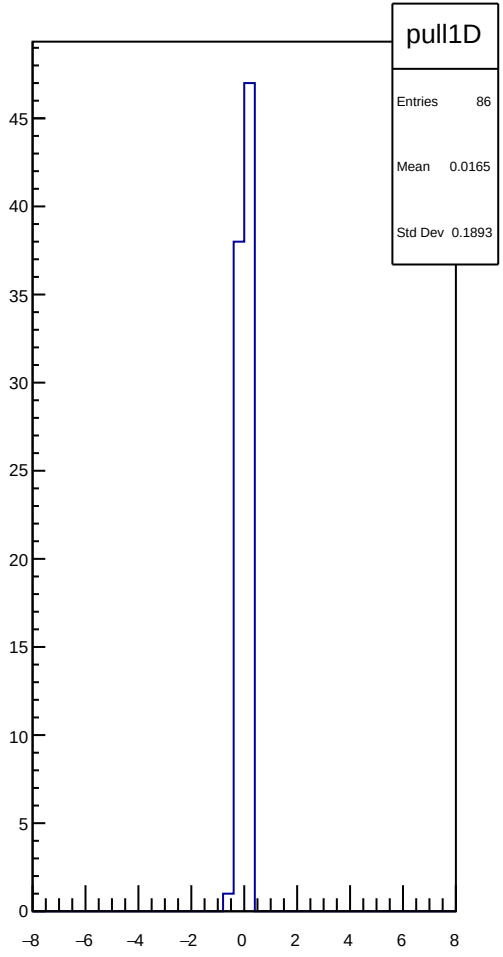

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ^2 / ndf 104.3 / 85
p0 4.221 ± 0.1087
pull
Entries 86
Mean 373.4
Std Dev 323.4

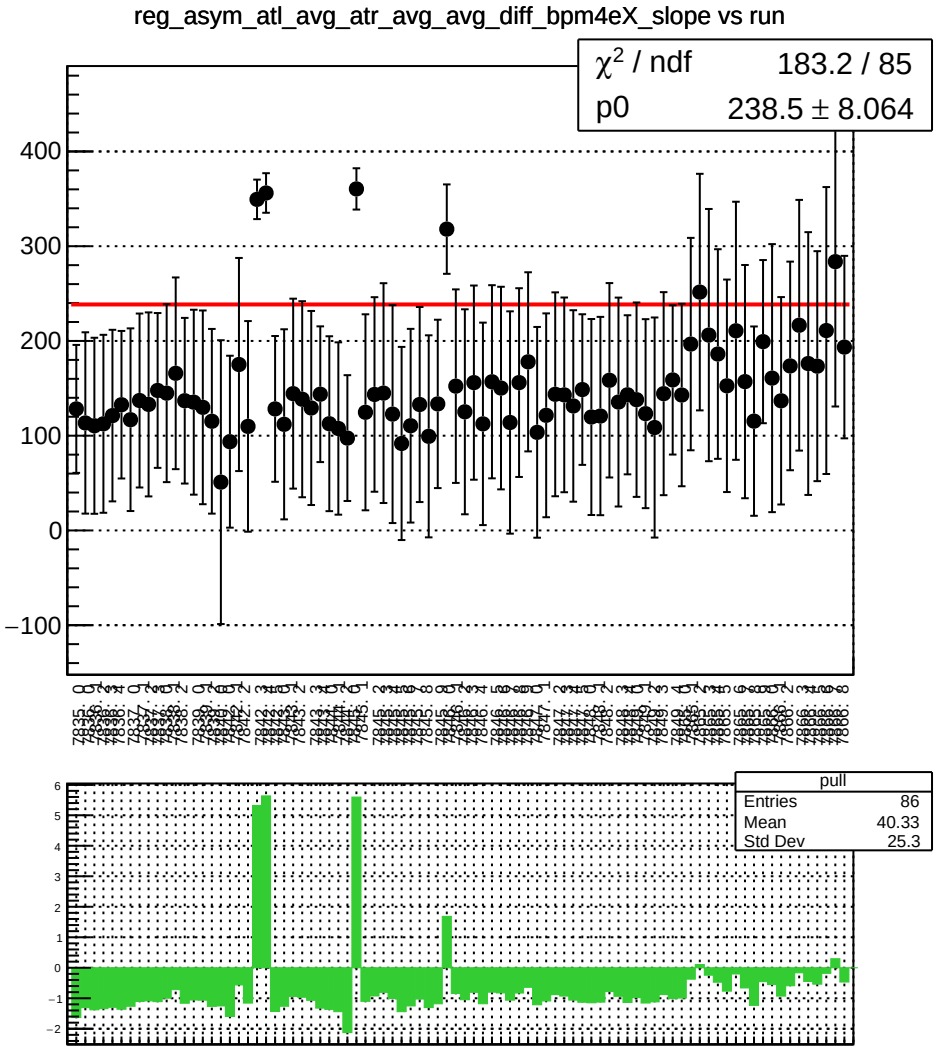

pull1D
Entries 86
Mean 0.05007
Std Dev 1.1

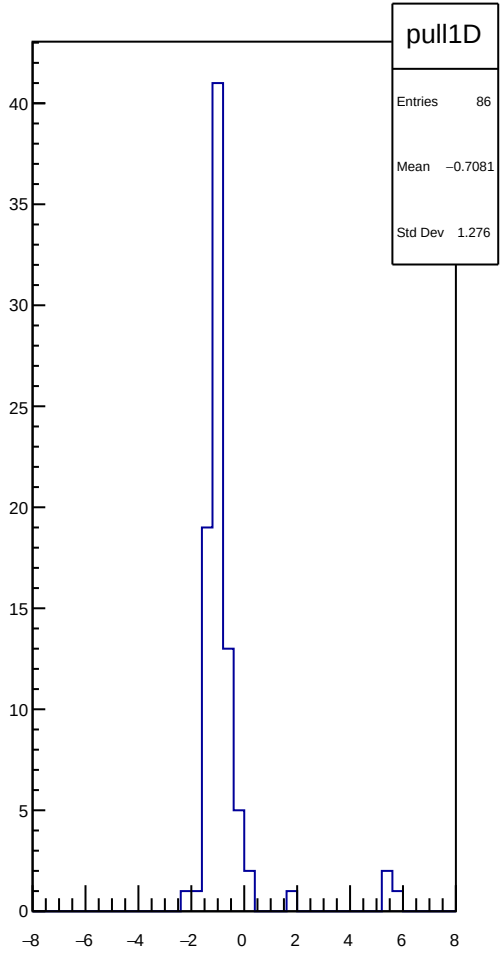

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 146.1 / 85
p0 −229.4 ± 9.339
pull
Entries 86
Mean 38.08
Std Dev 24.47

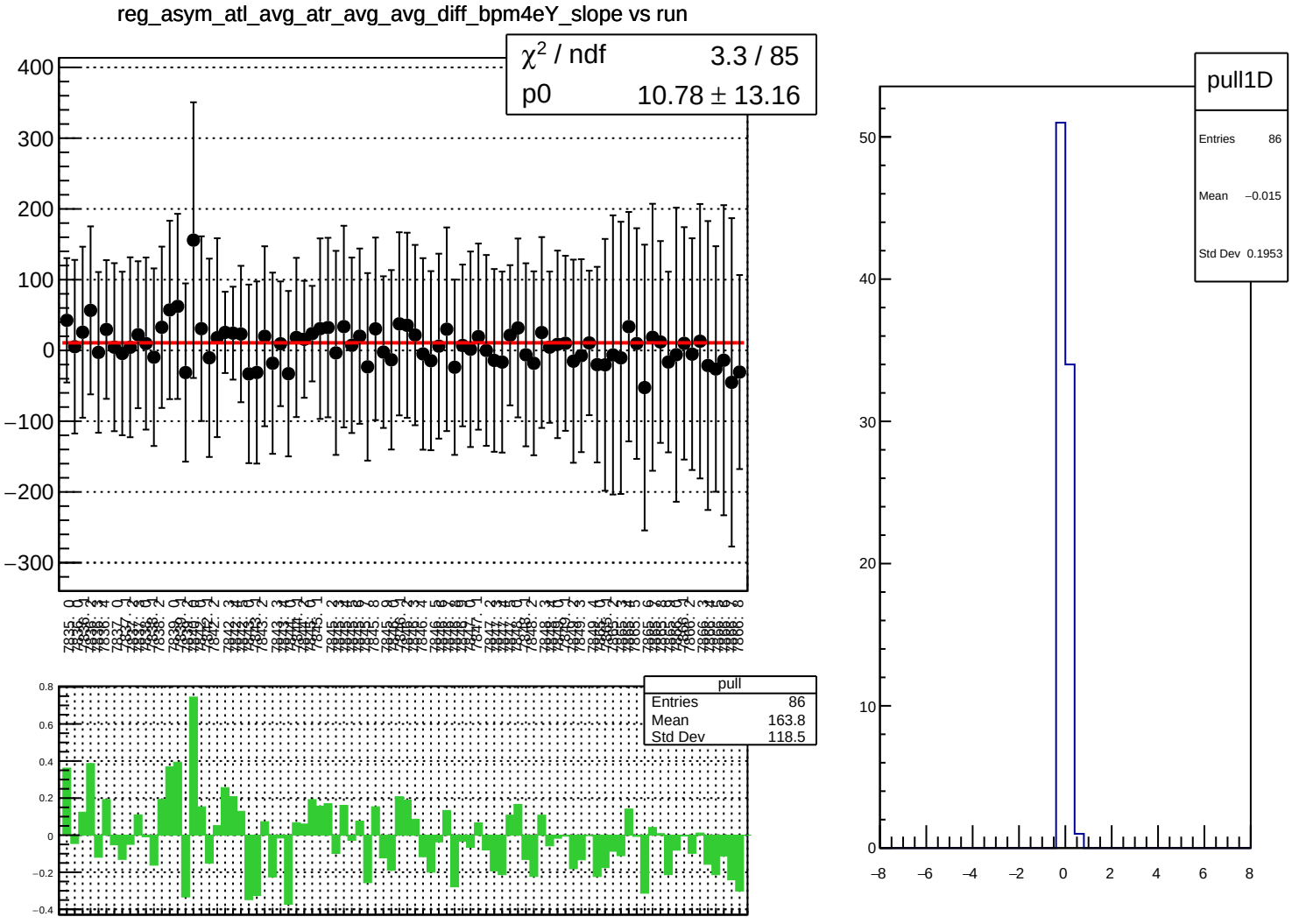

pull1D
Entries 86
Mean 0.5399
Std Dev 1.186

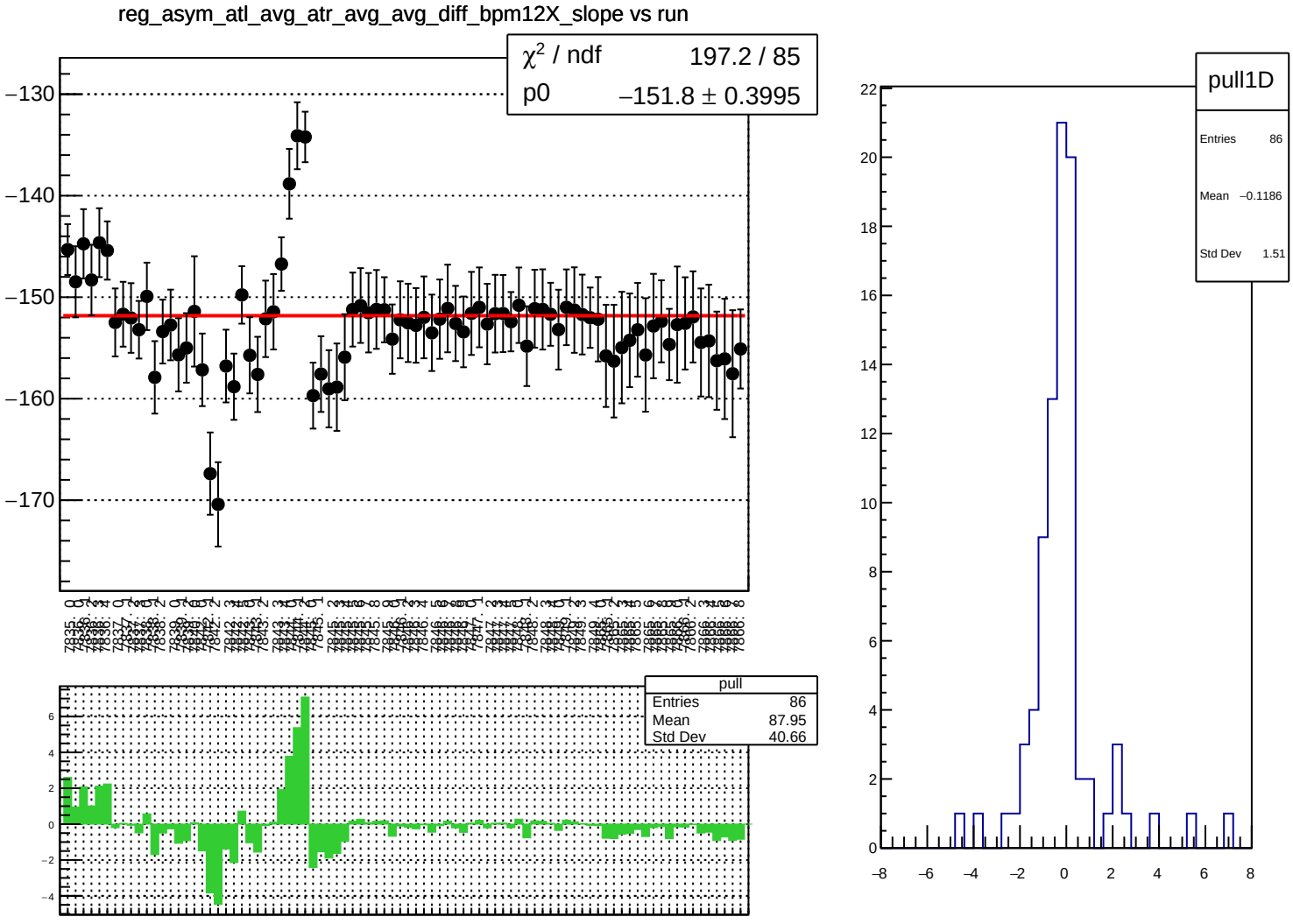

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.104 / 85
p0 46.73 ± 11.32
pull
Entries 86
Mean 117.4
Std Dev 75.19

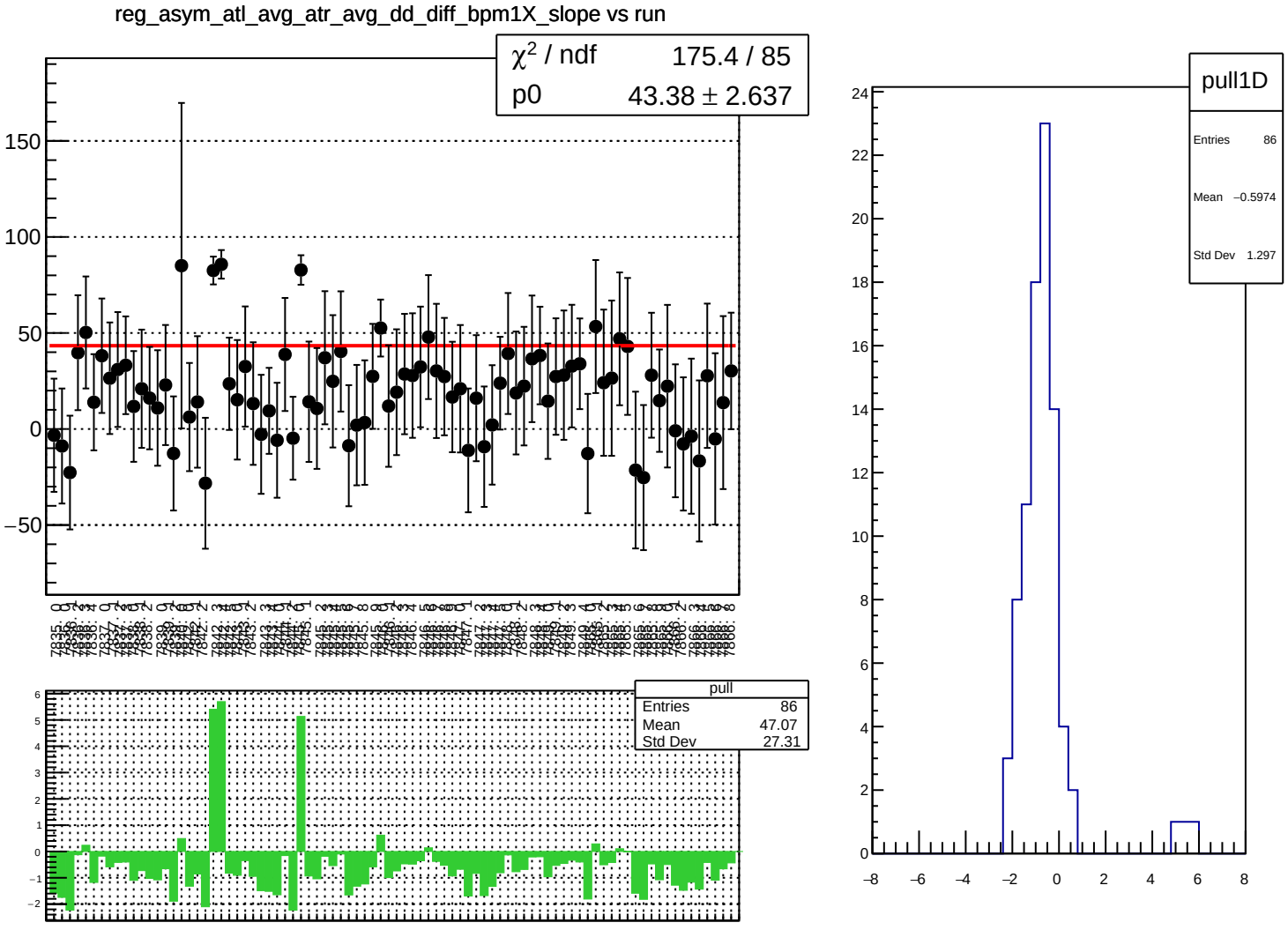

pull1D
Entries 86
Mean 0.0165
Std Dev 0.1893

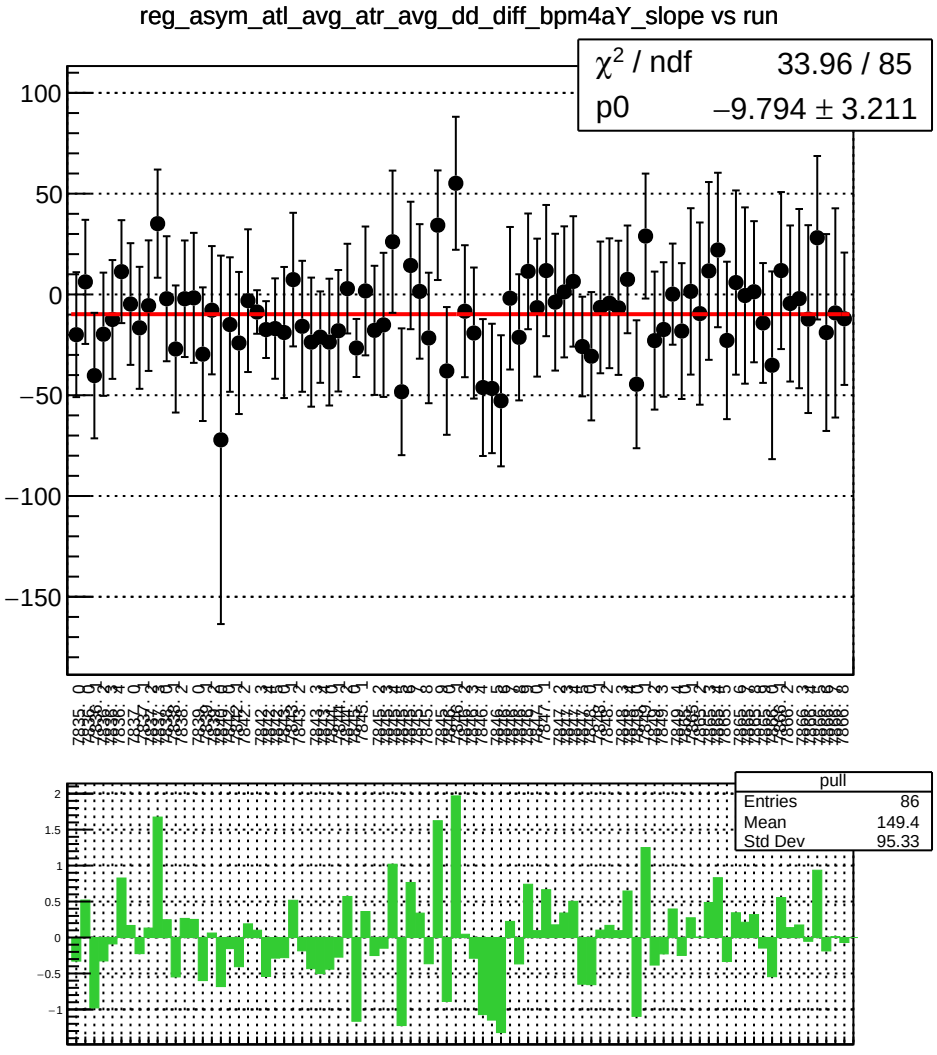

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 183.2 / 85
p0 238.5 ± 8.064
pull
Entries 86
Mean 40.33
Std Dev 25.3

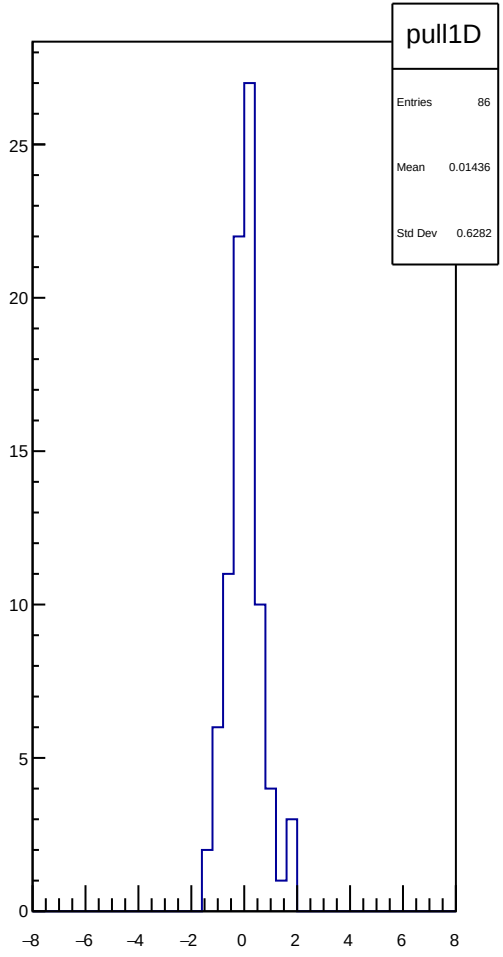

pull1D
Entries 86
Mean −0.7081
Std Dev 1.276

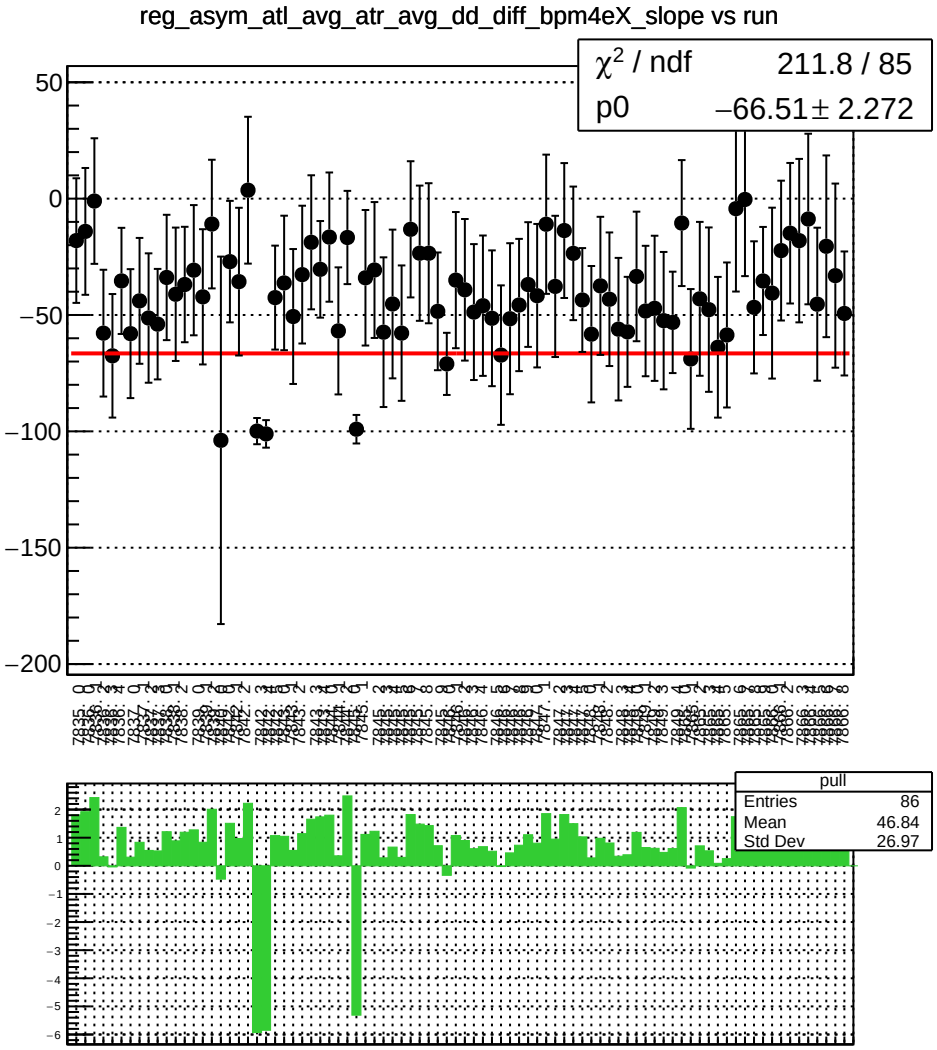

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 3.3 / 85
p0 10.78 ± 13.16
pull
Entries 86
Mean 163.8
Std Dev 118.5
pull1D
Entries 86
Mean −0.015
Std Dev 0.1953

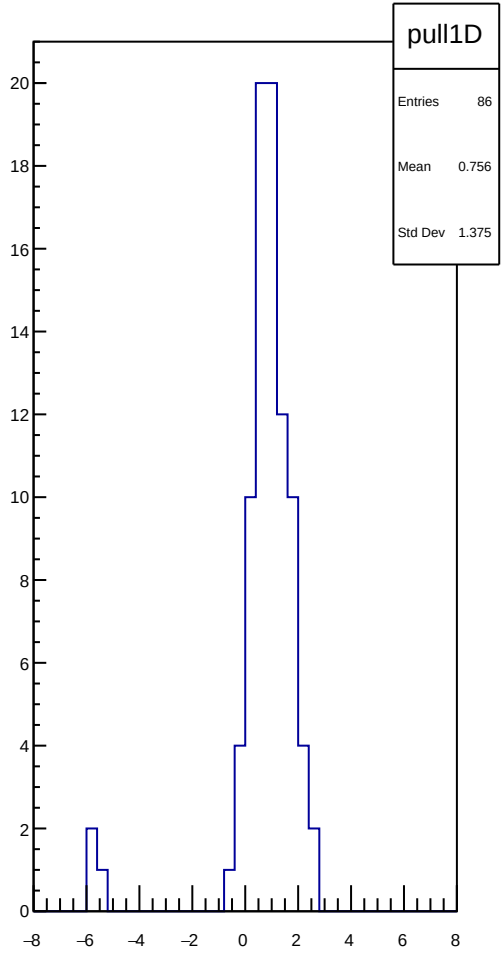

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 197.2 / 85
p0 −151.8 ± 0.3995
pull
Entries 86
Mean 87.95
Std Dev 40.66
pull1D
Entries 86
Mean −0.1186
Std Dev 1.51

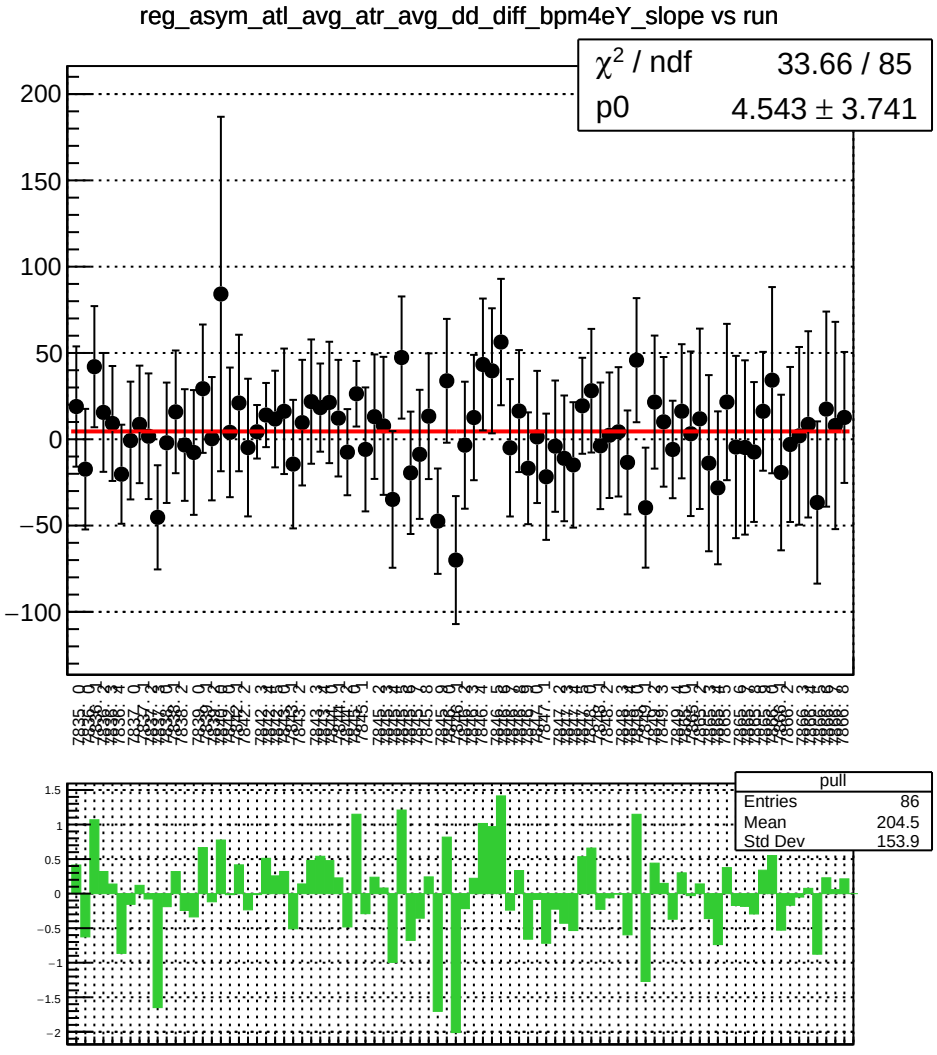

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 175.4 / 85
p0 43.38 ± 2.637
pull
Entries 86
Mean 47.07
Std Dev 27.31
pull1D
Entries 86
Mean −0.5974
Std Dev 1.297

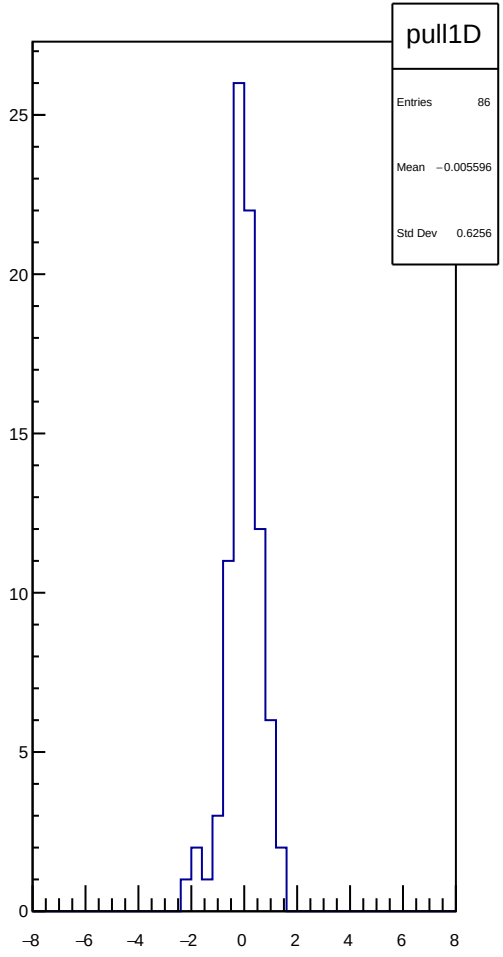

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 33.96 / 85
p0 −9.794 ± 3.211
pull
Entries 86
Mean 149.4
Std Dev 95.33


pull1D
Entries 86
Mean 0.01436
Std Dev 0.6282

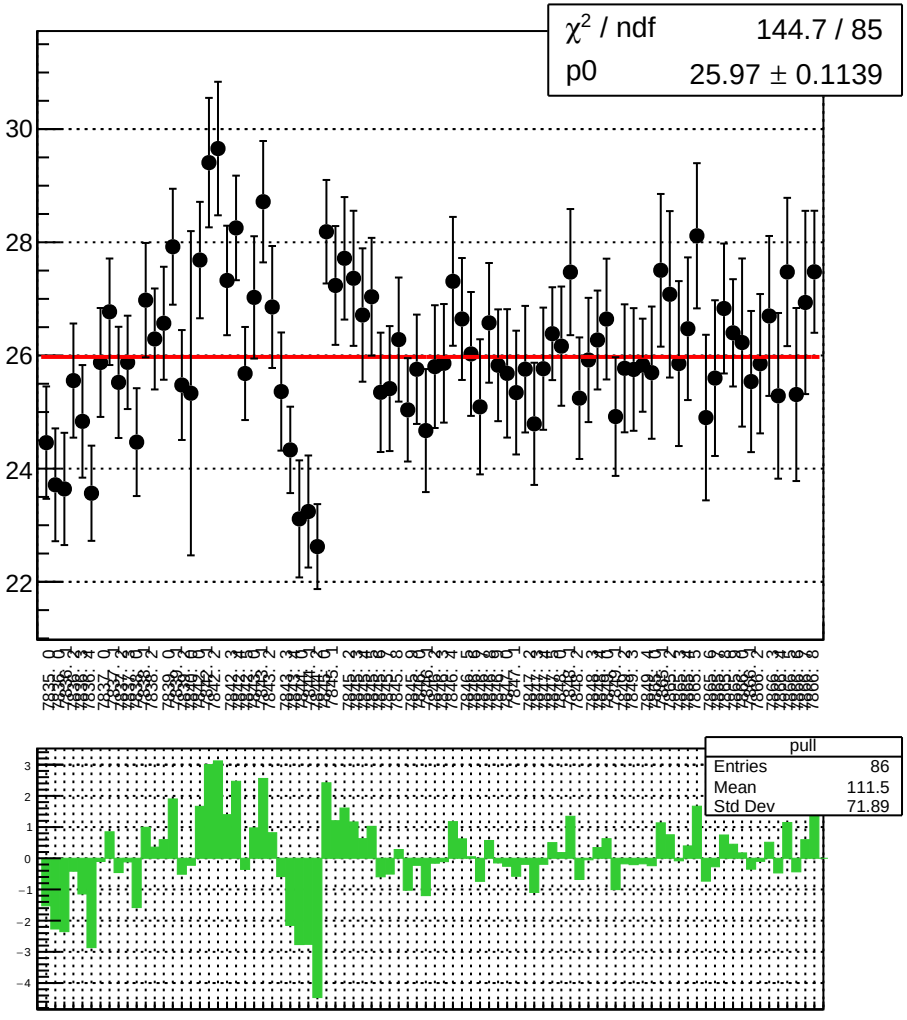

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 211.8 / 85
p0 −66.51 ± 2.272
pull
Entries 86
Mean 46.84
Std Dev 26.97

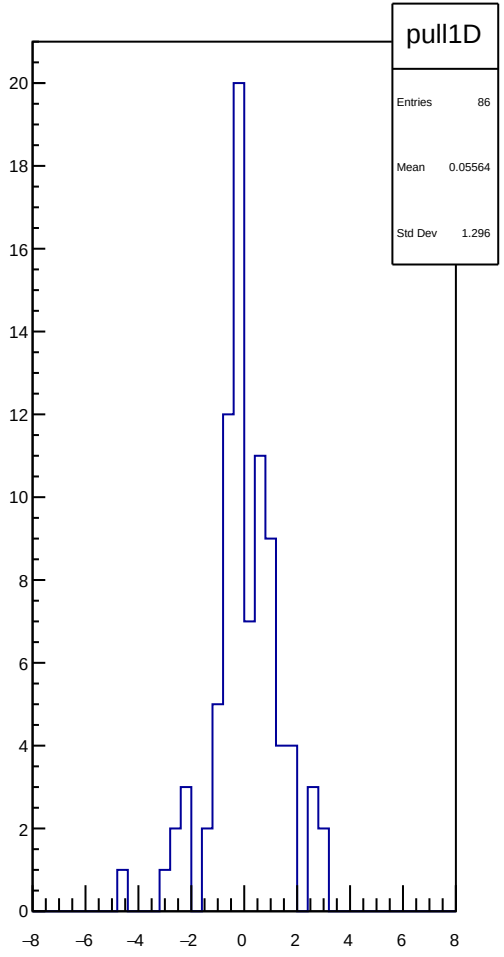

pull1D
Entries 86
Mean 0.756
Std Dev 1.375

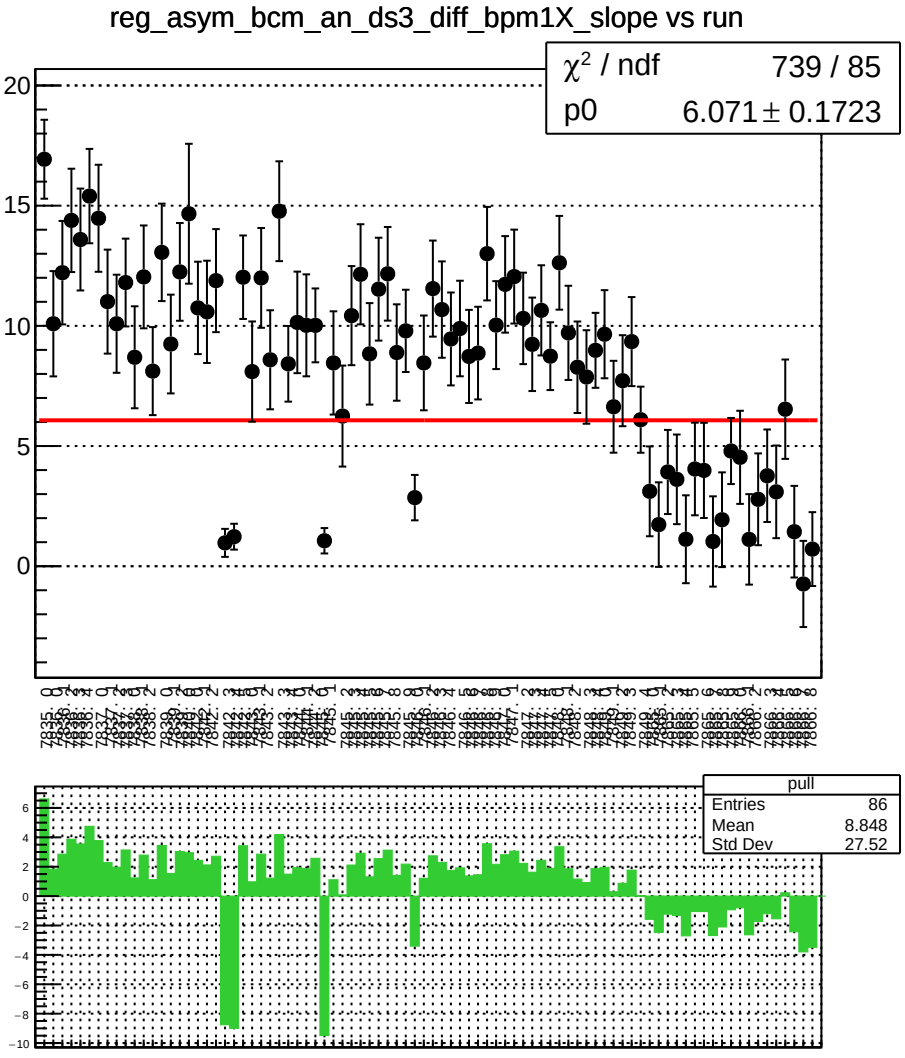

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 33.66 / 85
p0 4.543 ± 3.741
pull
Entries 86
Mean 204.5
Std Dev 153.9

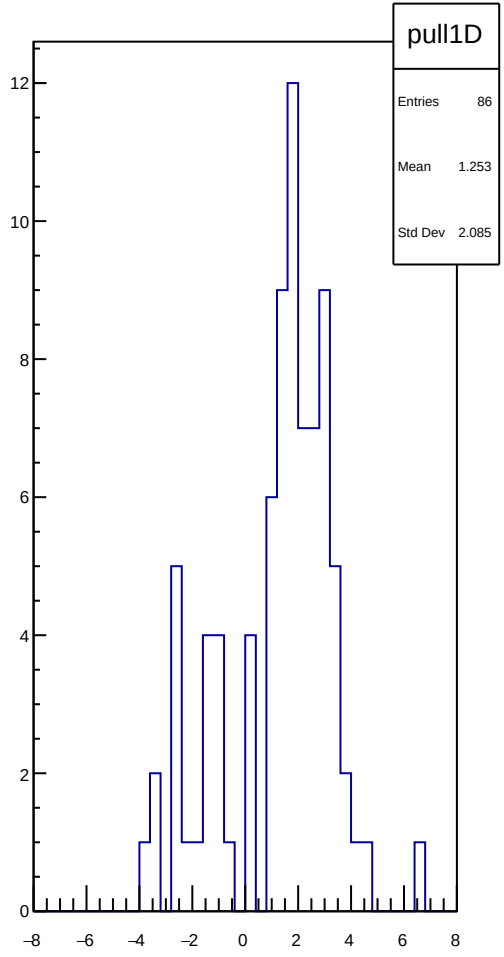

pull1D
Entries 86
Mean −0.005596
Std Dev 0.6256

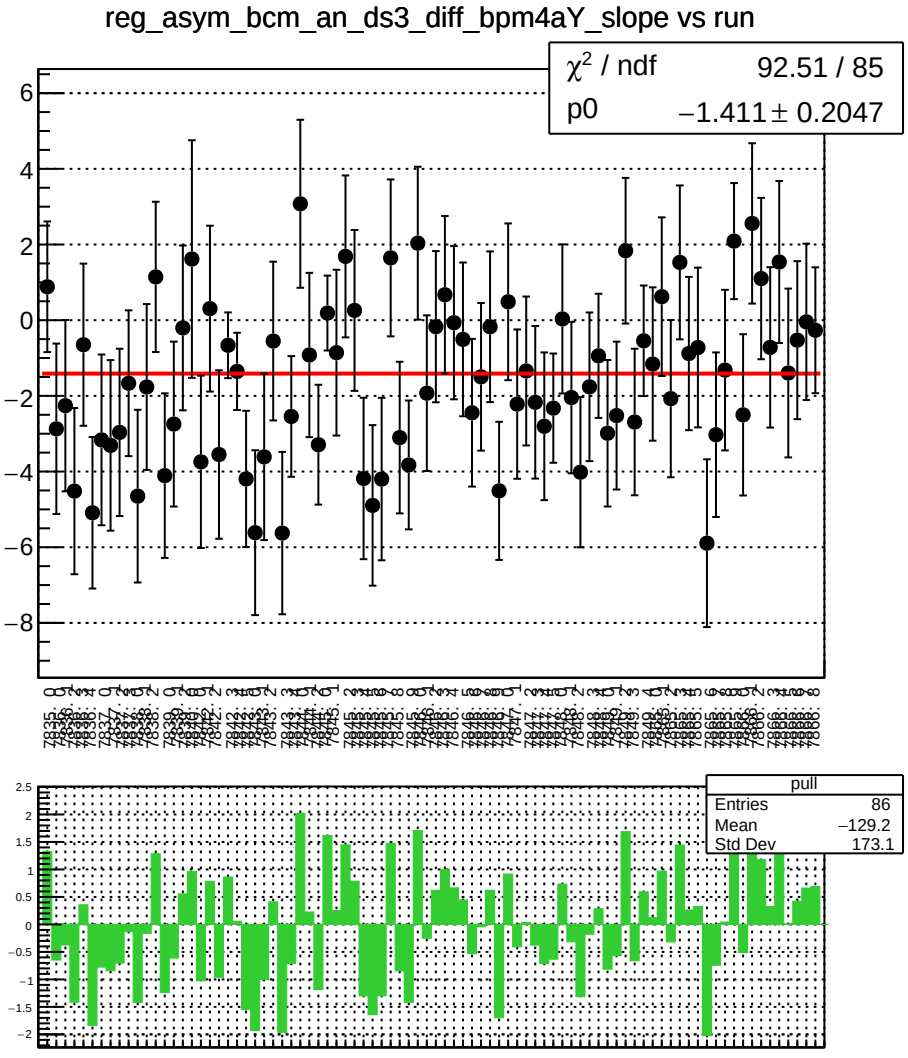
reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run

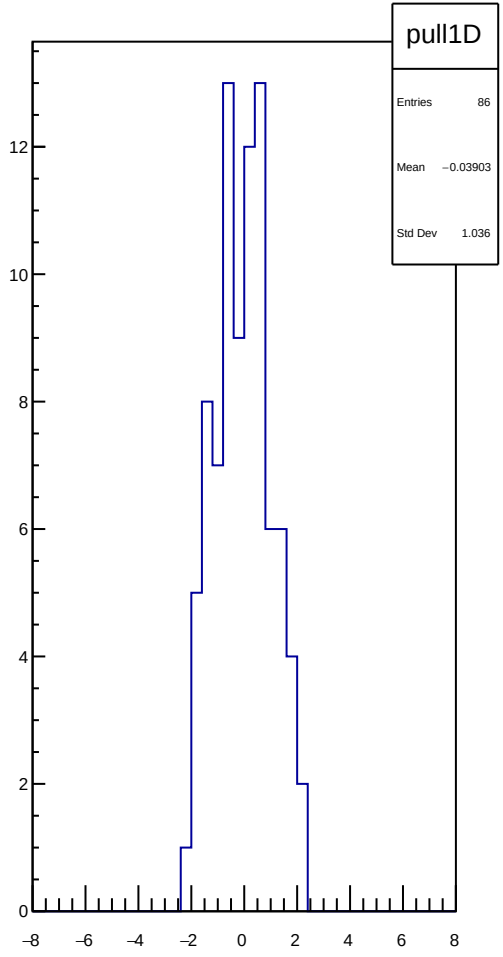


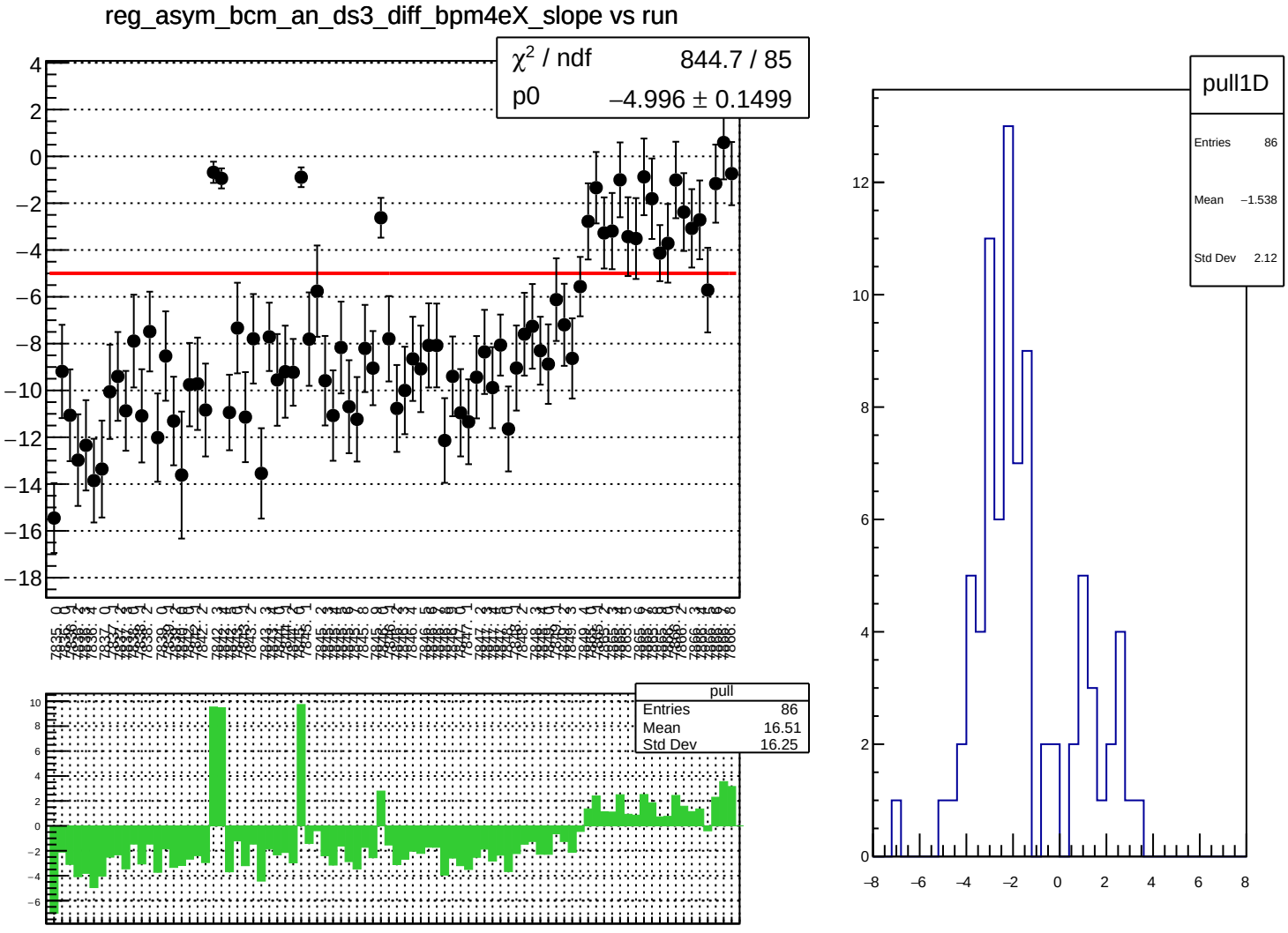


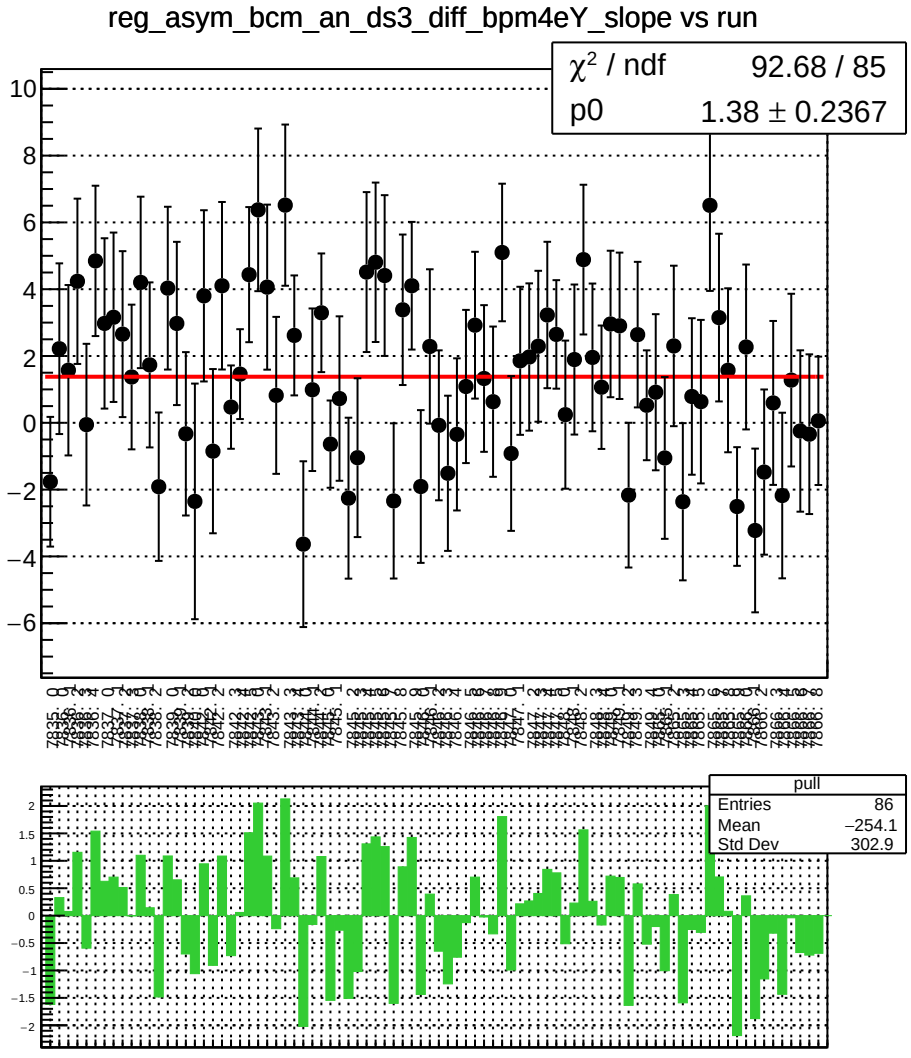

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 739 / 85
p0 6.071 ± 0.1723
pull
Entries 86
Mean 8.848
Std Dev 27.52

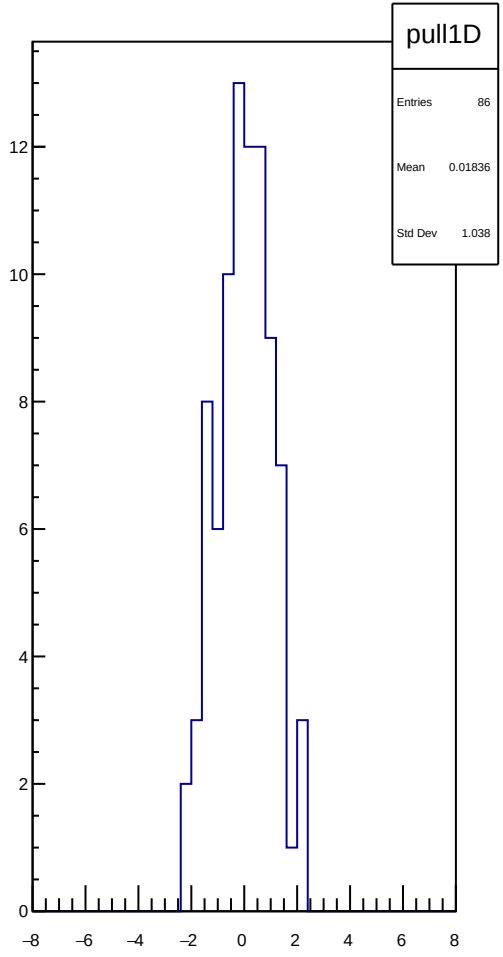

pull1D
Entries 86
Mean 1.253
Std Dev 2.085

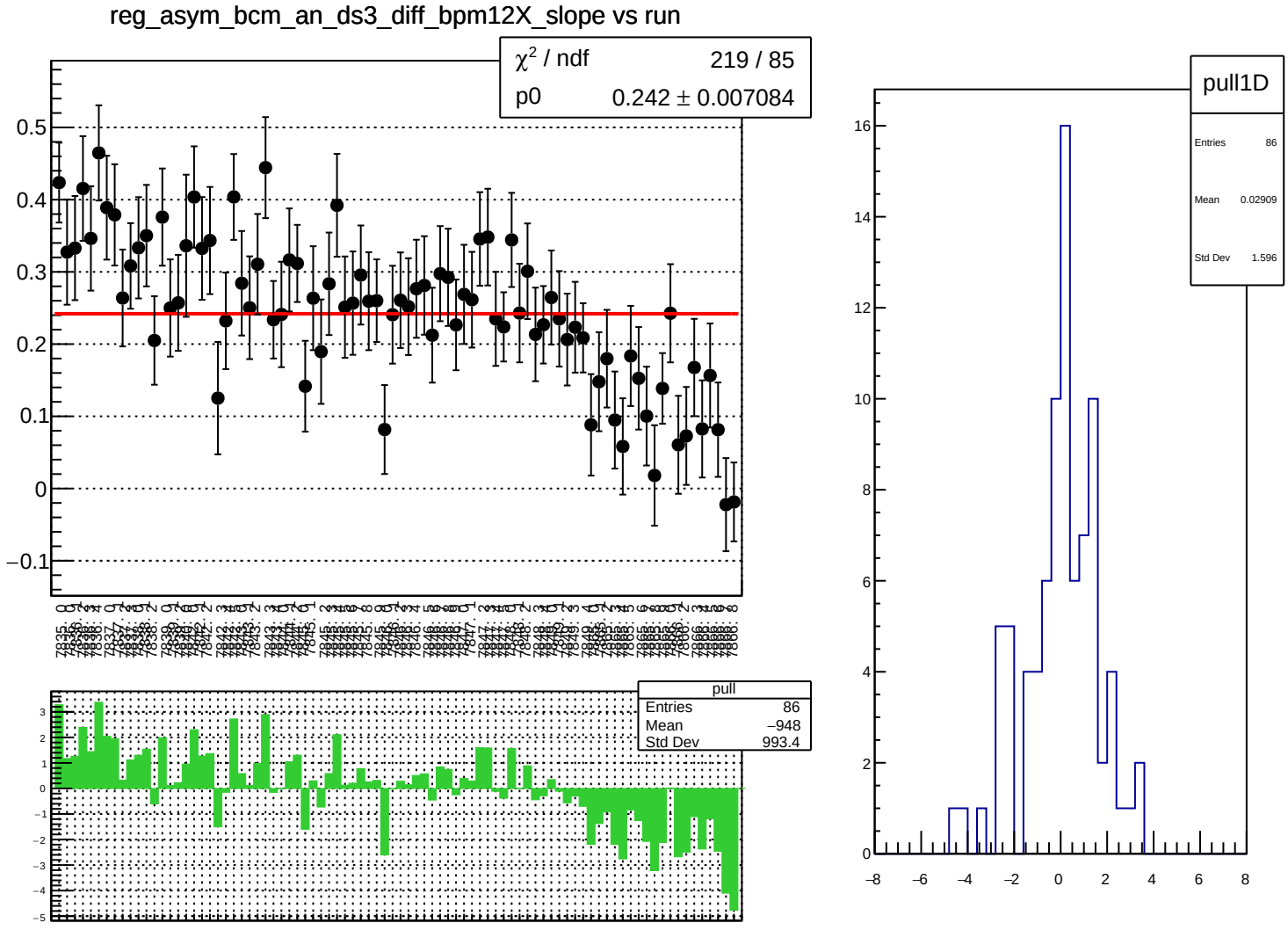

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 92.51 / 85
p0 −1.411 ± 0.2047
pull
Entries 86
Mean −129.2
Std Dev 173.1

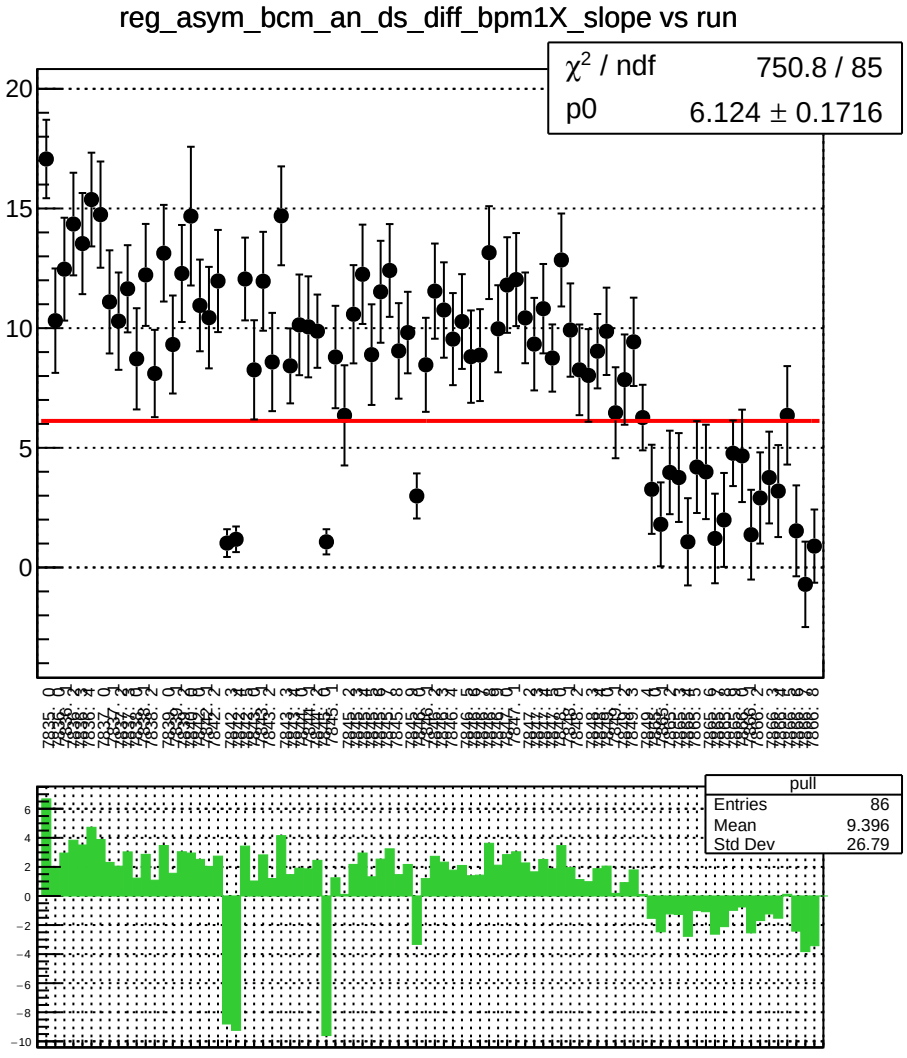

pull1D
Entries 86
Mean −0.03903
Std Dev 1.036

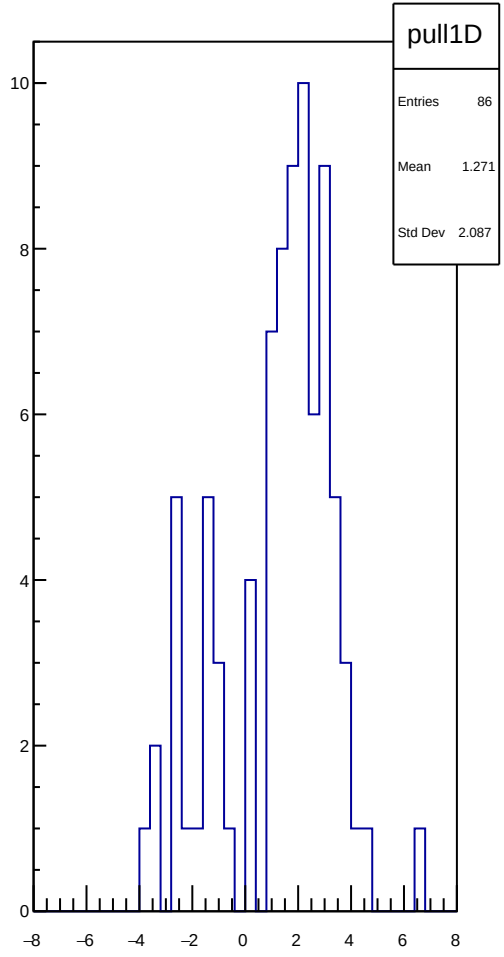

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 844.7 / 85
p0 −4.996 ± 0.1499
pull
Entries 86
Mean 16.51
Std Dev 16.25
pull1D
Entries 86
Mean −1.538
Std Dev 2.12

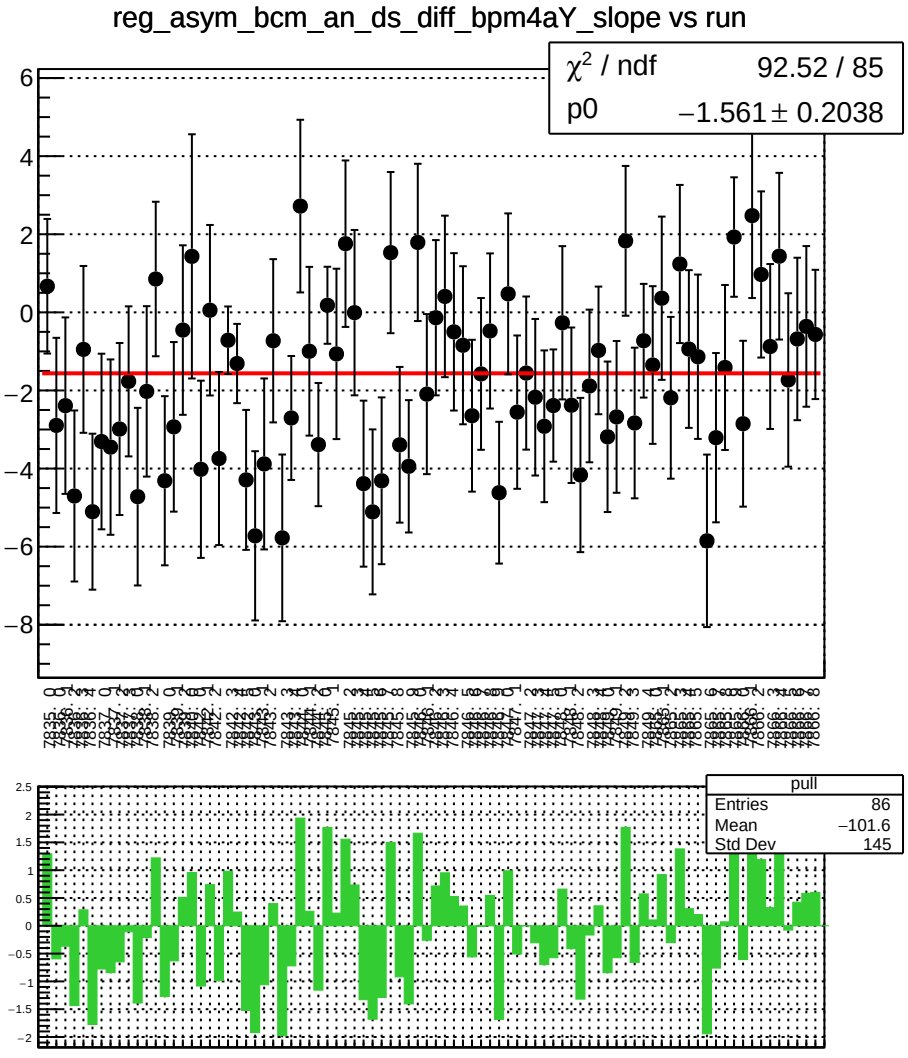

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 92.68 / 85
p0 1.38 ± 0.2367
pull
Entries 86
Mean −254.1
Std Dev 302.9

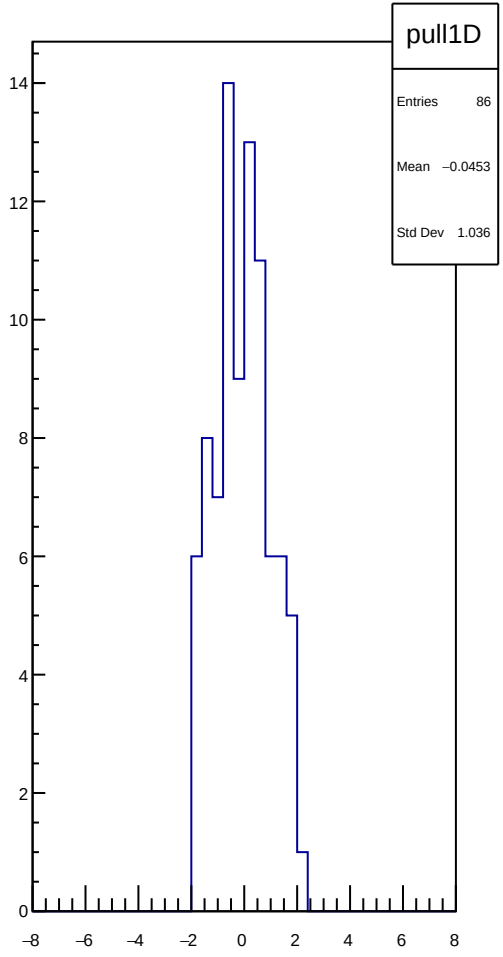

pull1D
Entries 86
Mean 0.01836
Std Dev 1.038

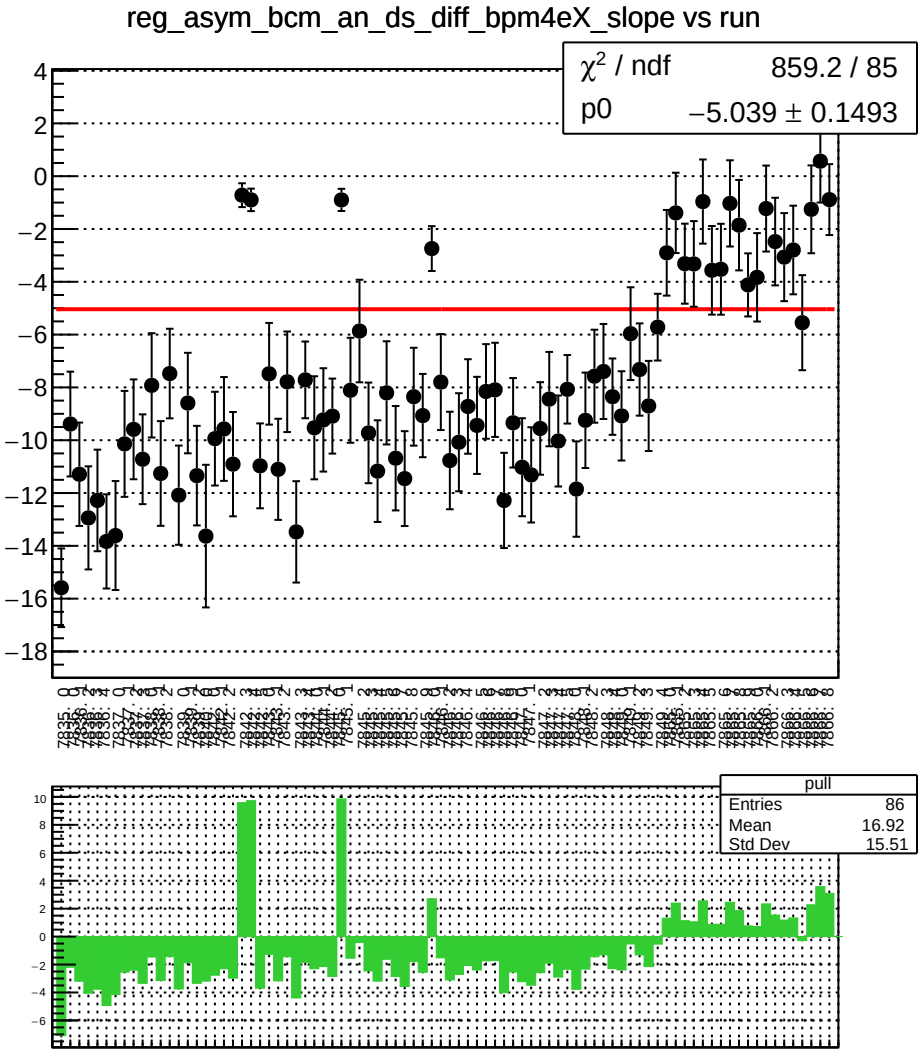

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 219 / 85
p0 0.242 ± 0.007084
pull
Entries 86
Mean −948
Std Dev 993.4
pull1D
Entries 86
Mean 0.02909
Std Dev 1.596

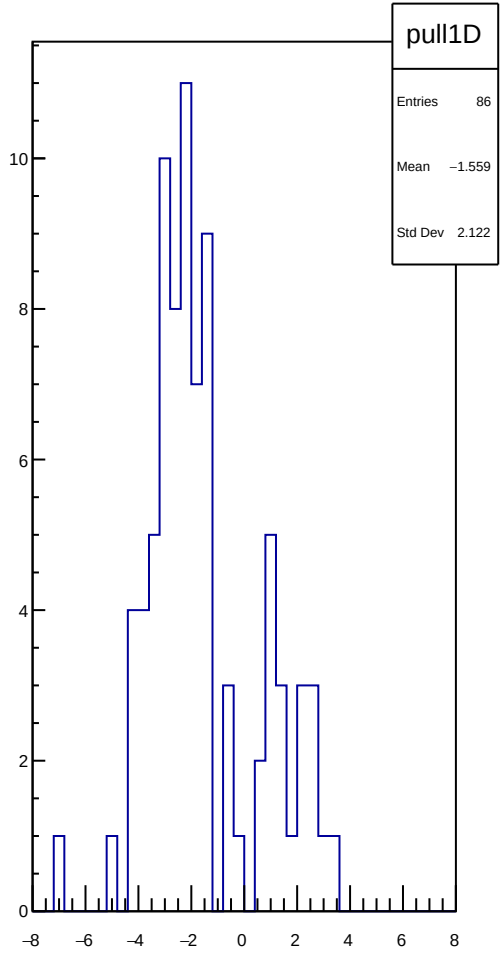

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 750.8 / 85
p0 6.124 ± 0.1716
pull
Entries 86
Mean 9.396
Std Dev 26.79

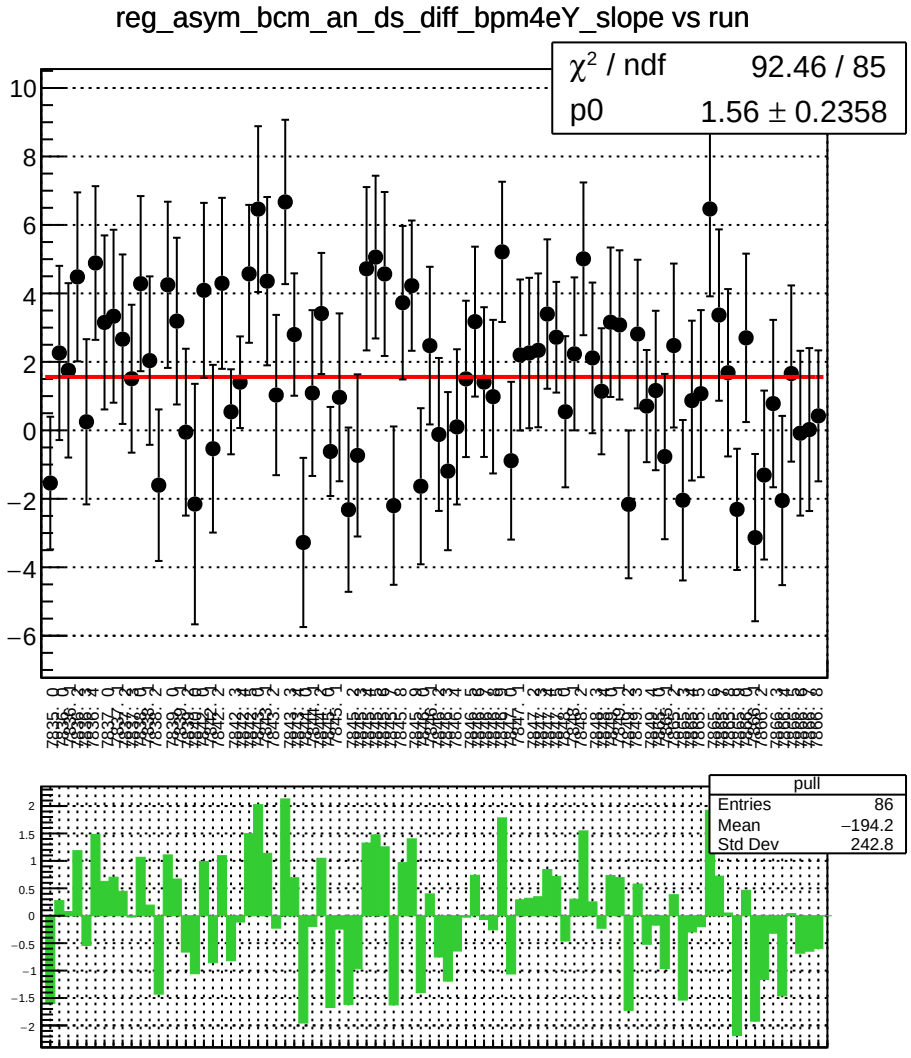

pull1D
Entries 86
Mean 1.271
Std Dev 2.087

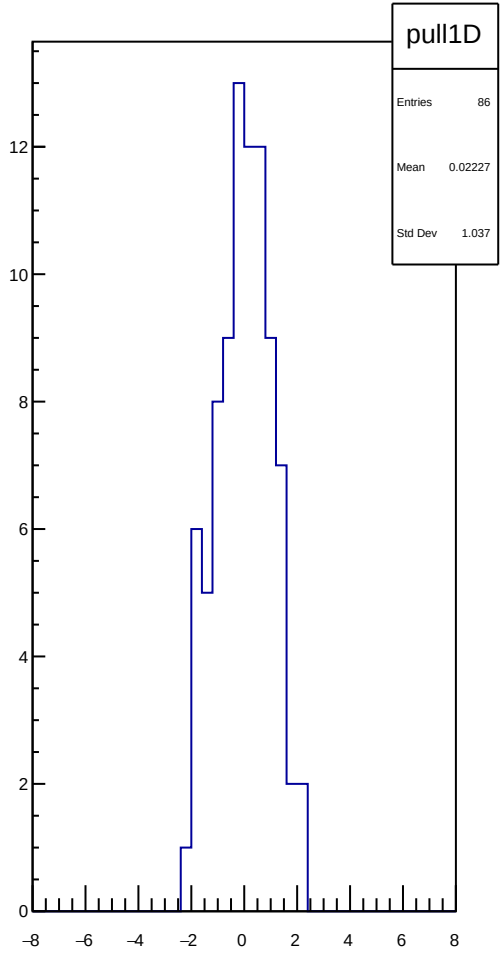

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 92.52 / 85
p0 −1.561 ± 0.2038
pull
Entries 86
Mean −101.6
Std Dev 145

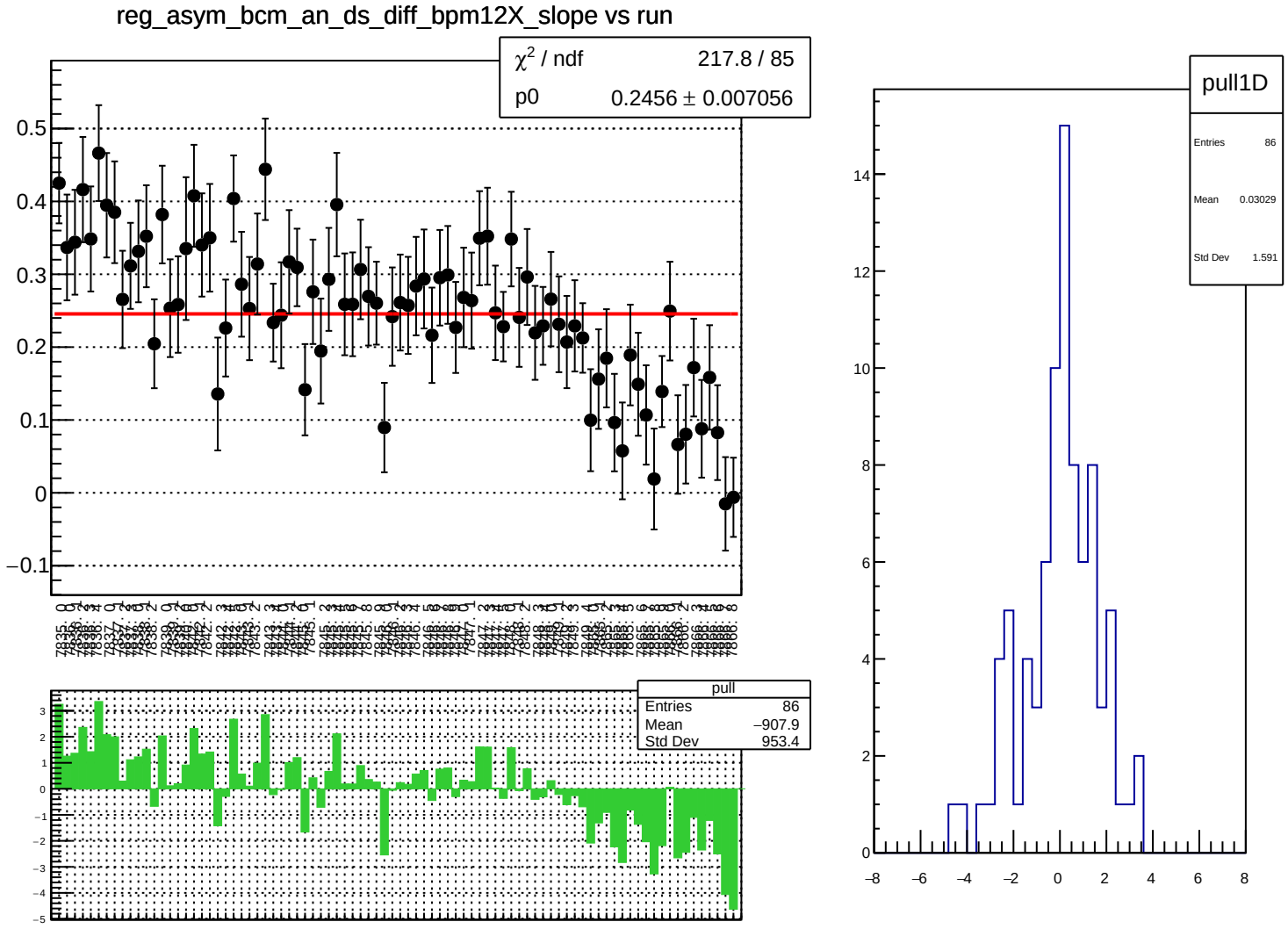

pull1D
Entries 86
Mean −0.0453
Std Dev 1.036

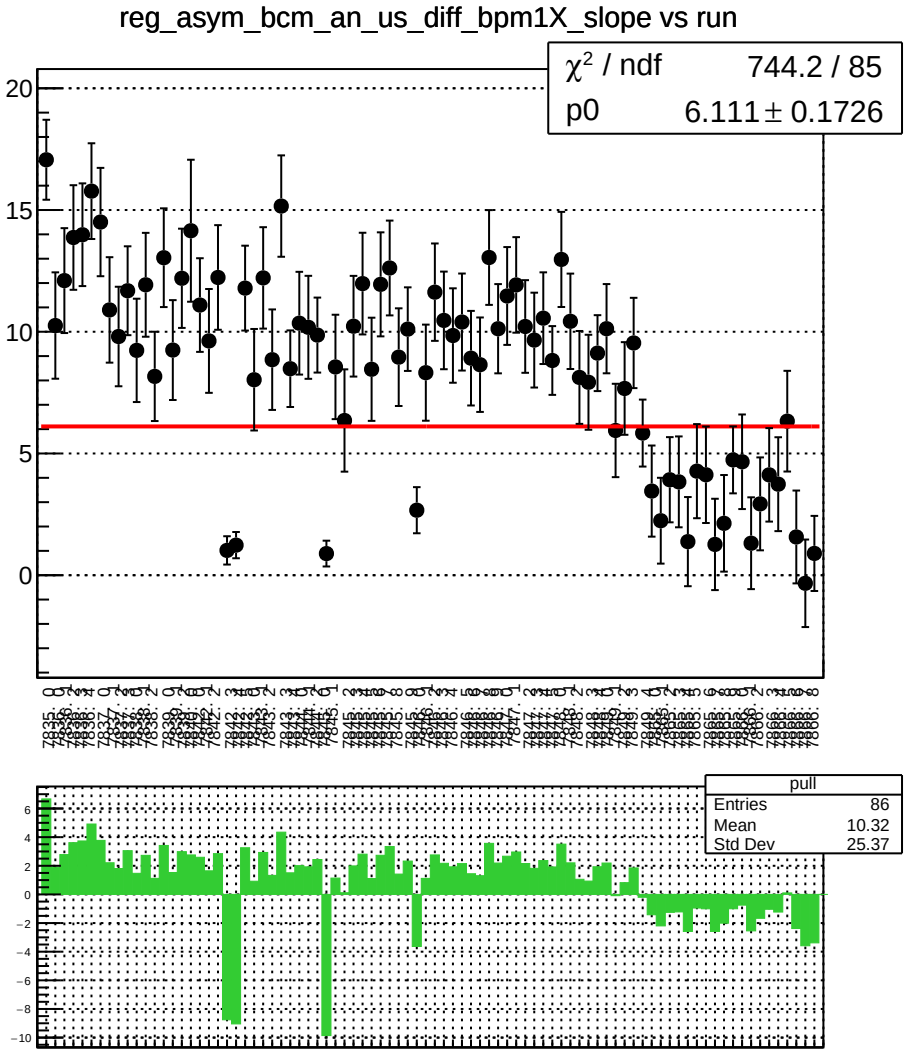

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ^2 / ndf 859.2 / 85
p0 −5.039 ± 0.1493
pull
Entries 86
Mean 16.92
Std Dev 15.51

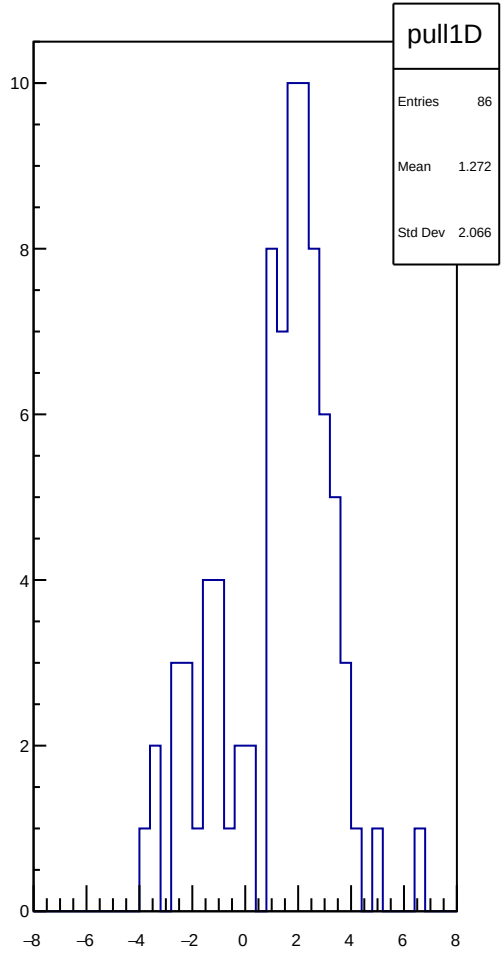

pull1D
Entries 86
Mean −1.559
Std Dev 2.122

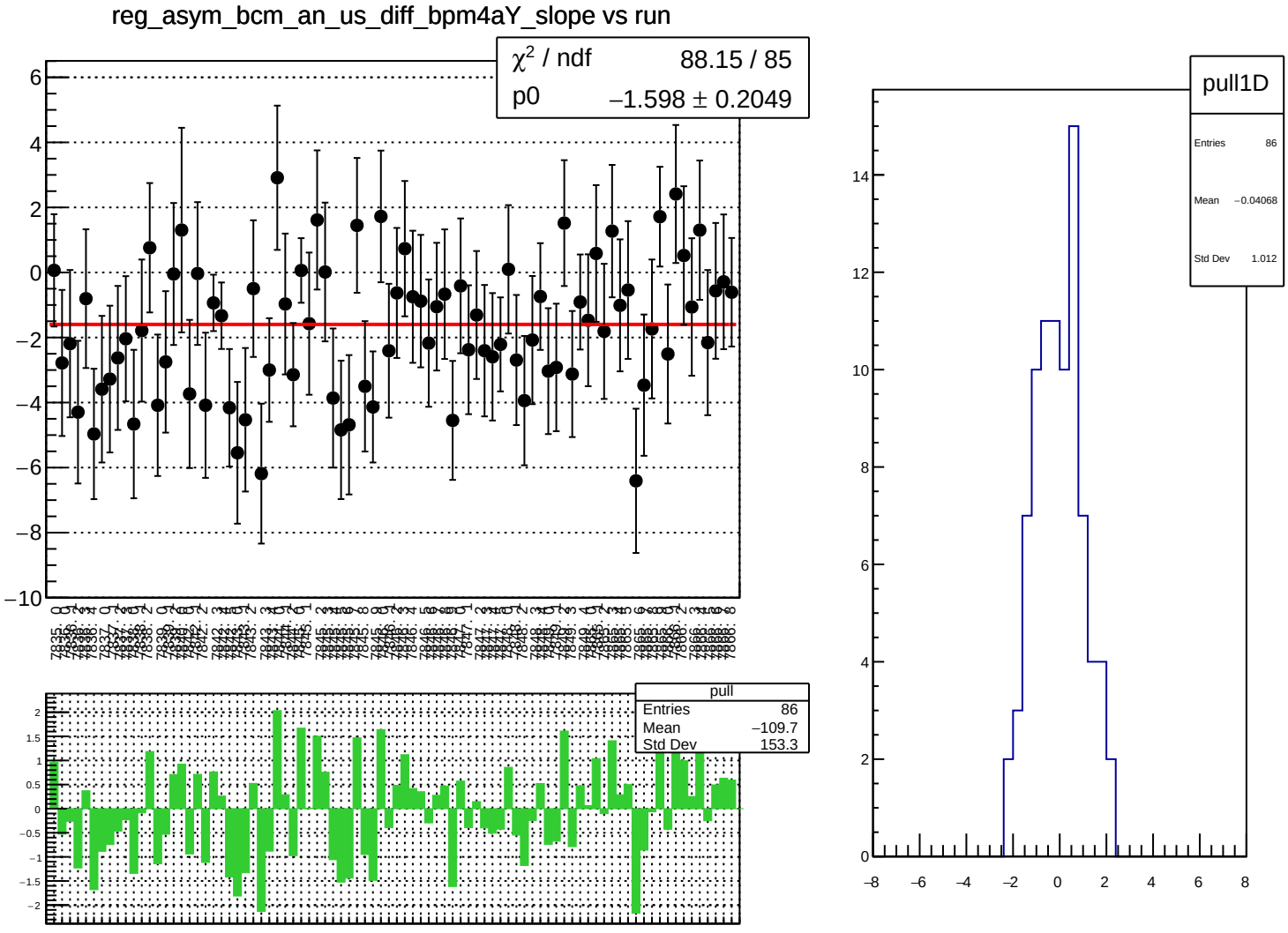

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 92.46 / 85
p0 1.56 ± 0.2358
pull
Entries 86
Mean −194.2
Std Dev 242.8

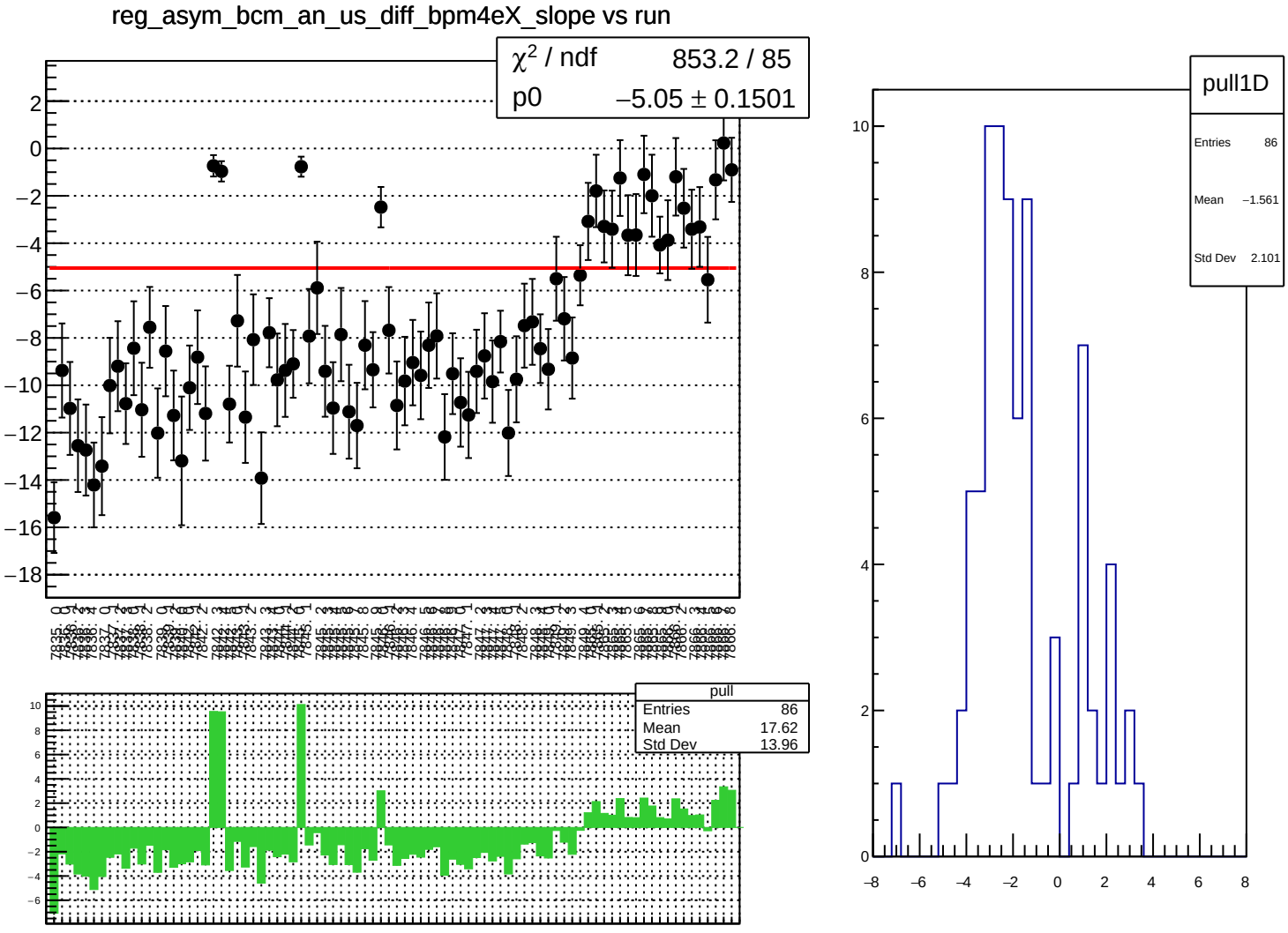

pull1D
Entries 86
Mean 0.02227
Std Dev 1.037

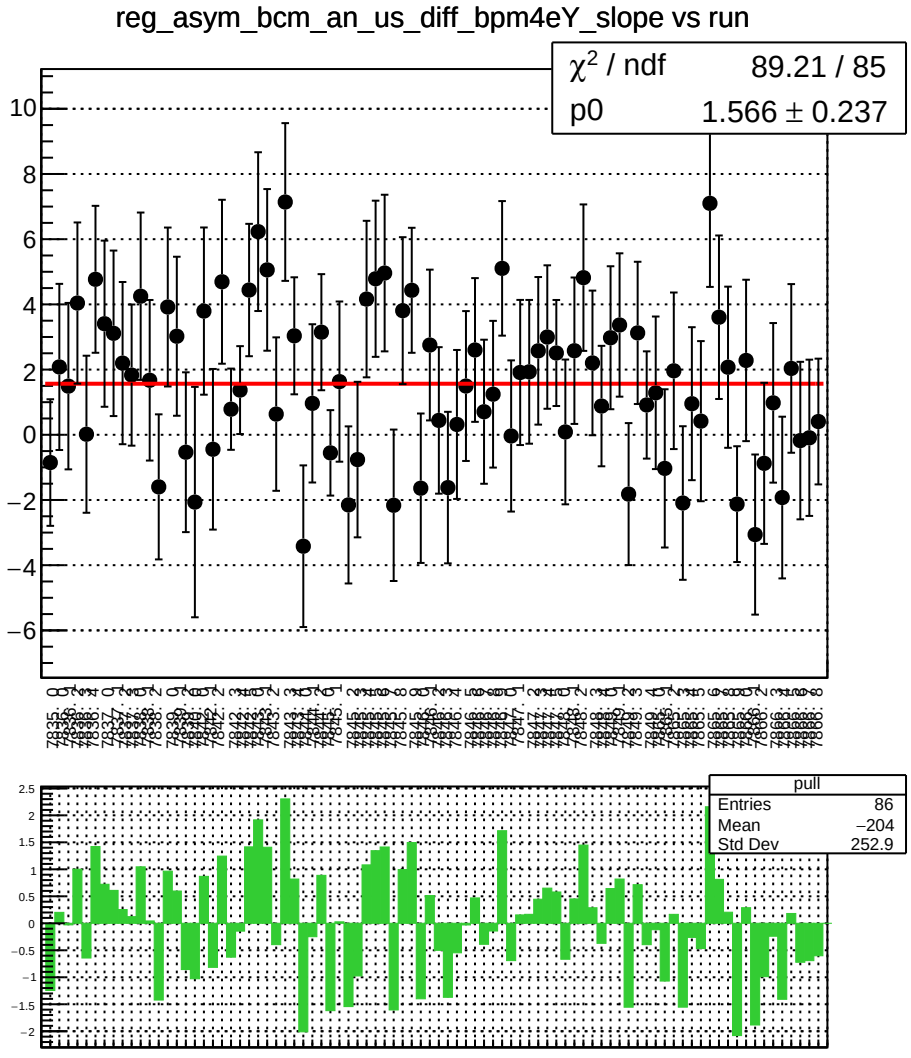

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 217.8 / 85
p0 0.2456 ± 0.007056
pull
Entries 86
Mean −907.9
Std Dev 953.4
pull1D
Entries 86
Mean 0.03029
Std Dev 1.591

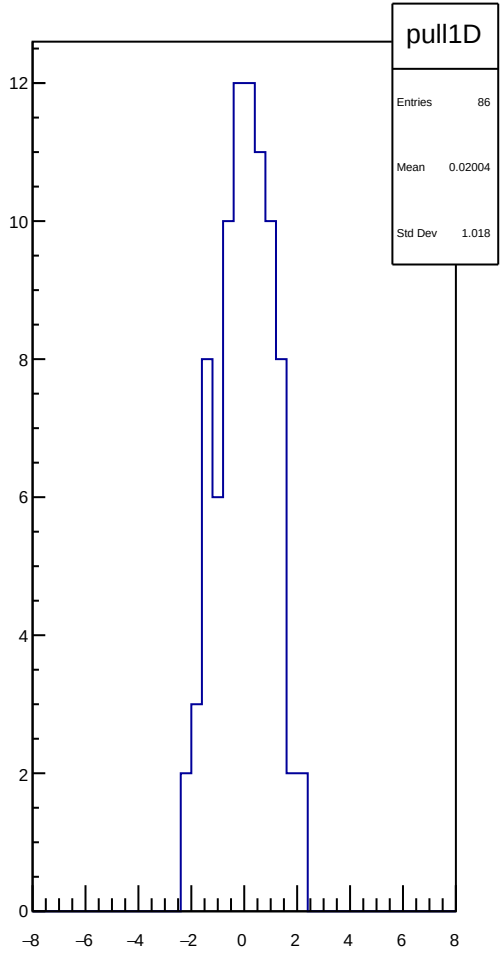

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 744.2 / 85
p0 6.111 ± 0.1726
pull
Entries 86
Mean 10.32
Std Dev 25.37

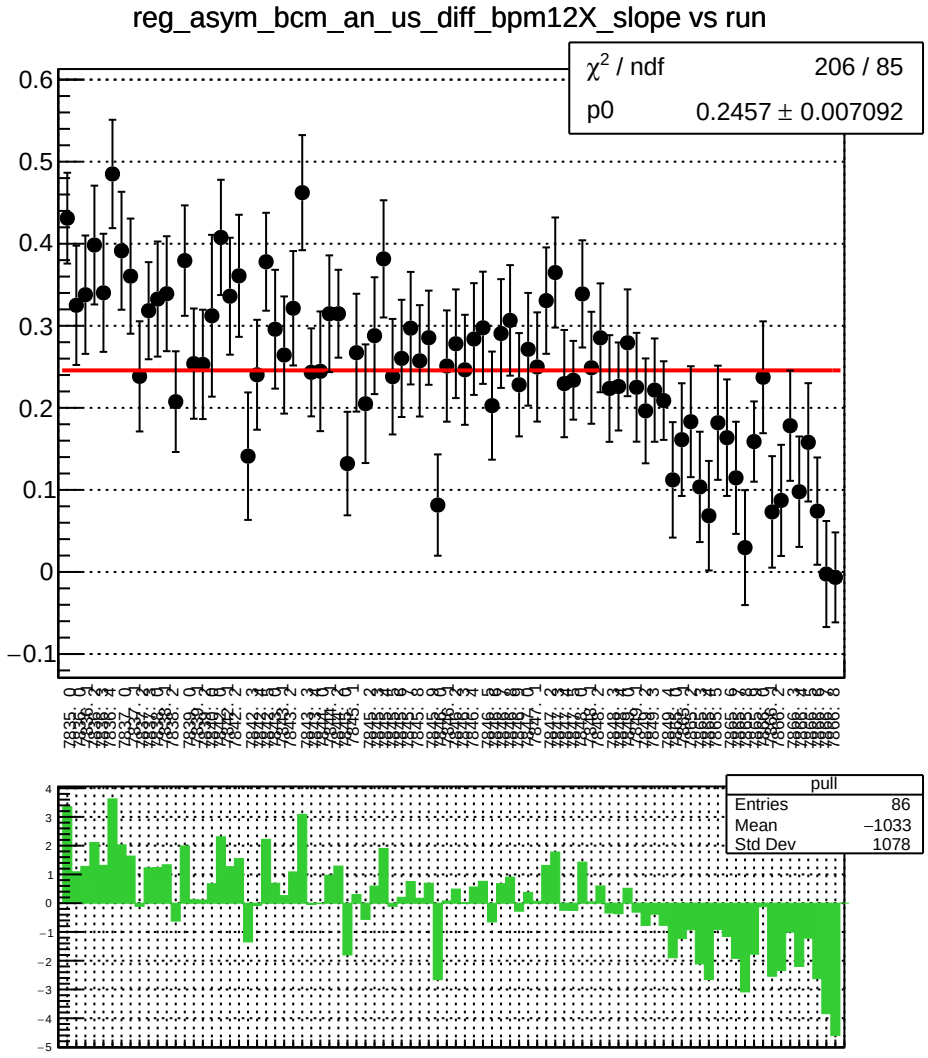

pull1D
Entries 86
Mean 1.272
Std Dev 2.066

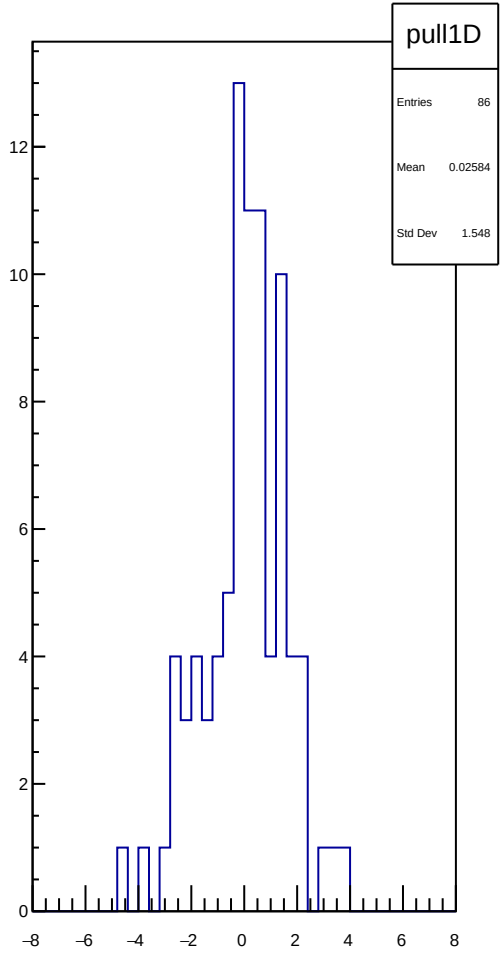

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 88.15 / 85
p0 −1.598 ± 0.2049
pull
Entries 86
Mean −109.7
Std Dev 153.3
pull1D
Entries 86
Mean −0.04068
Std Dev 1.012


reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ^2 / ndf 853.2 / 85
p0 −5.05 ± 0.1501
pull
Entries 86
Mean 17.62
Std Dev 13.96
pull1D
Entries 86
Mean −1.561
Std Dev 2.101

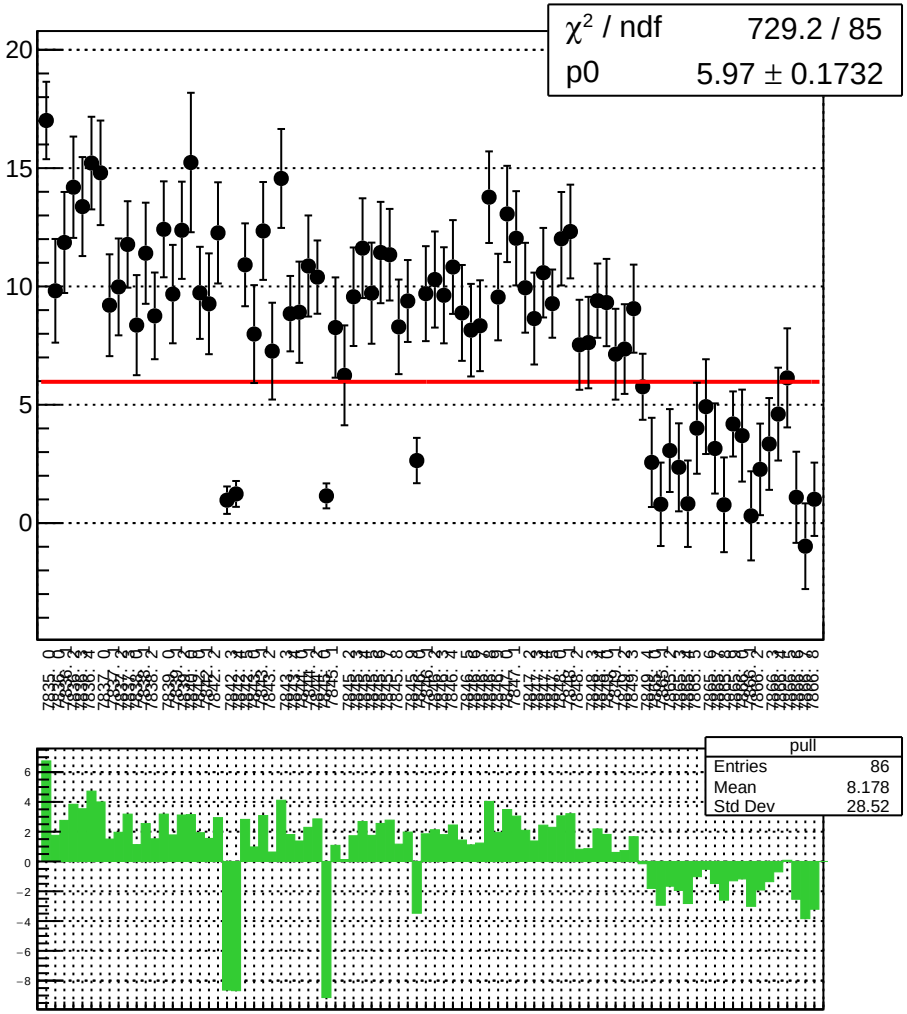

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ^2 / ndf 89.21 / 85
p0 1.566 ± 0.237
pull
Entries 86
Mean −204
Std Dev 252.9

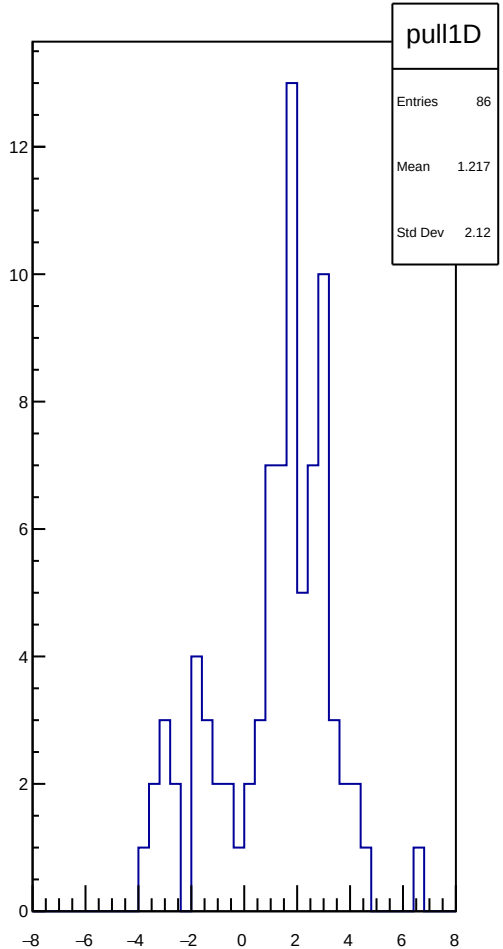

pull1D
Entries 86
Mean 0.02004
Std Dev 1.018

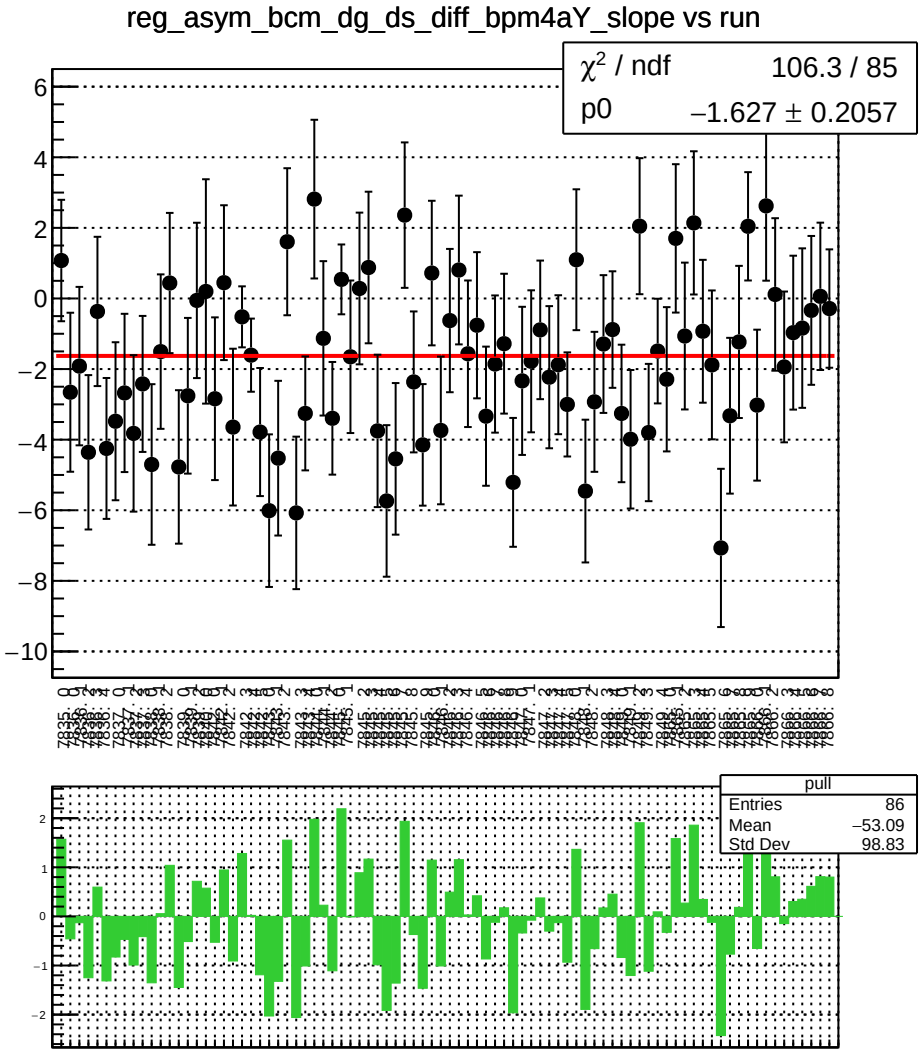

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 206 / 85
p0 0.2457 ± 0.007092
pull
Entries 86
Mean −1033
Std Dev 1078

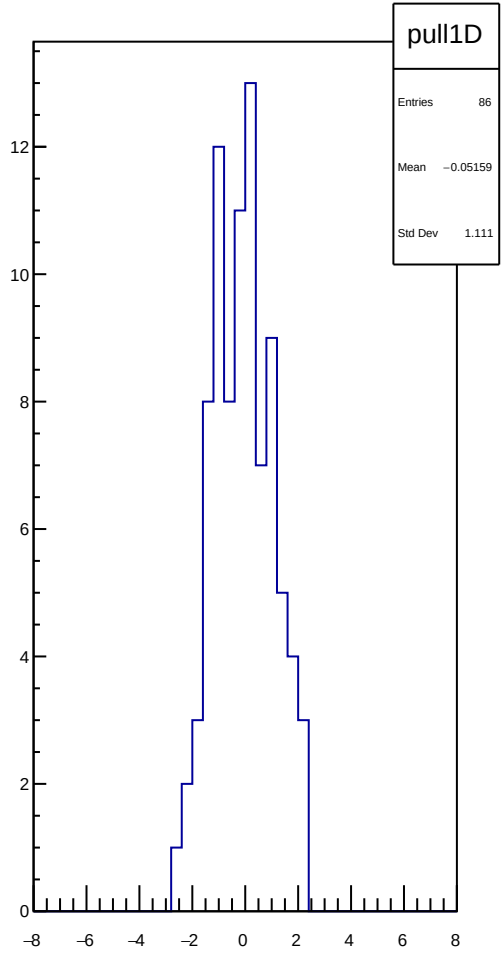

pull1D
Entries 86
Mean 0.02584
Std Dev 1.548

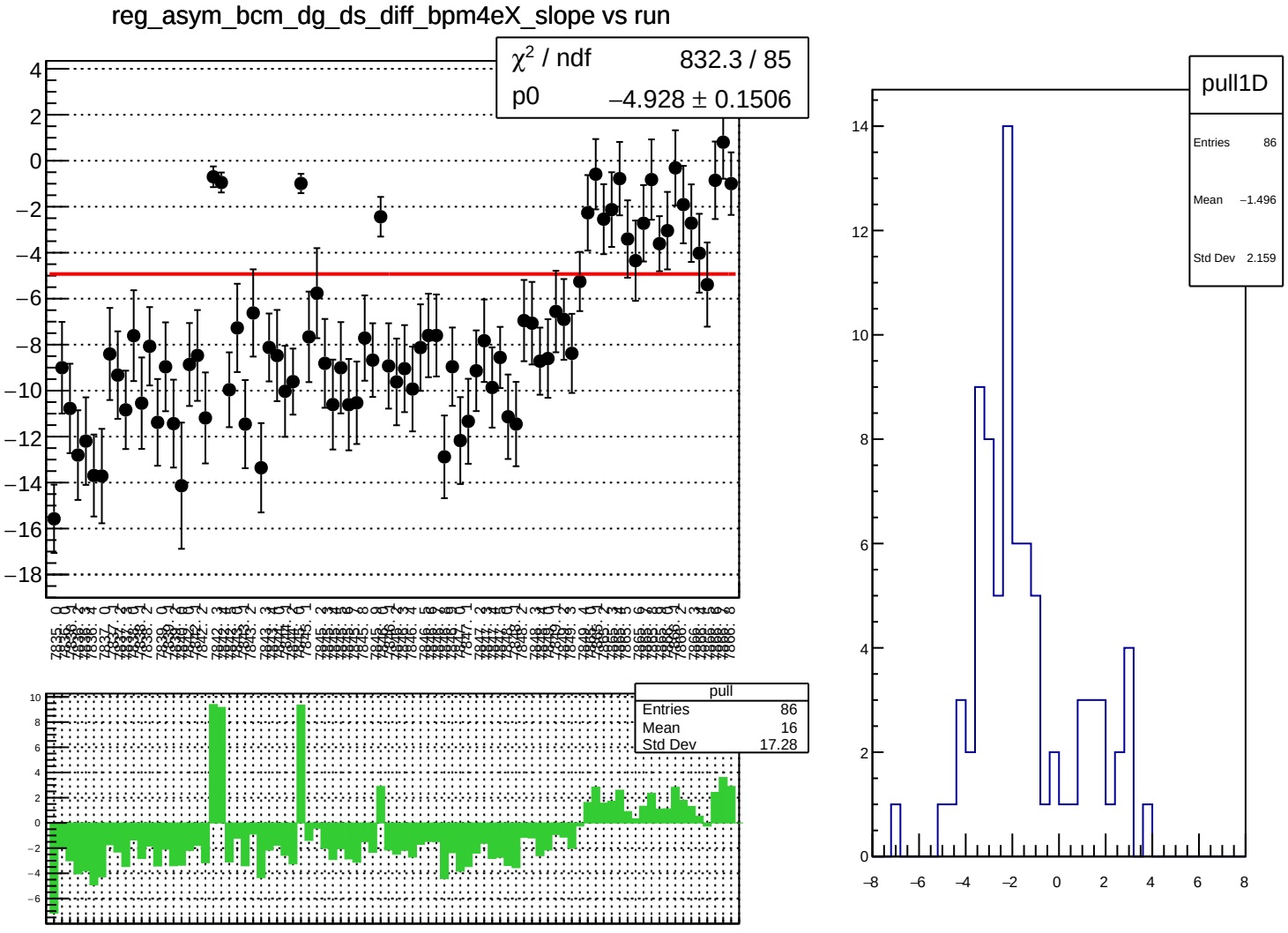
reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run

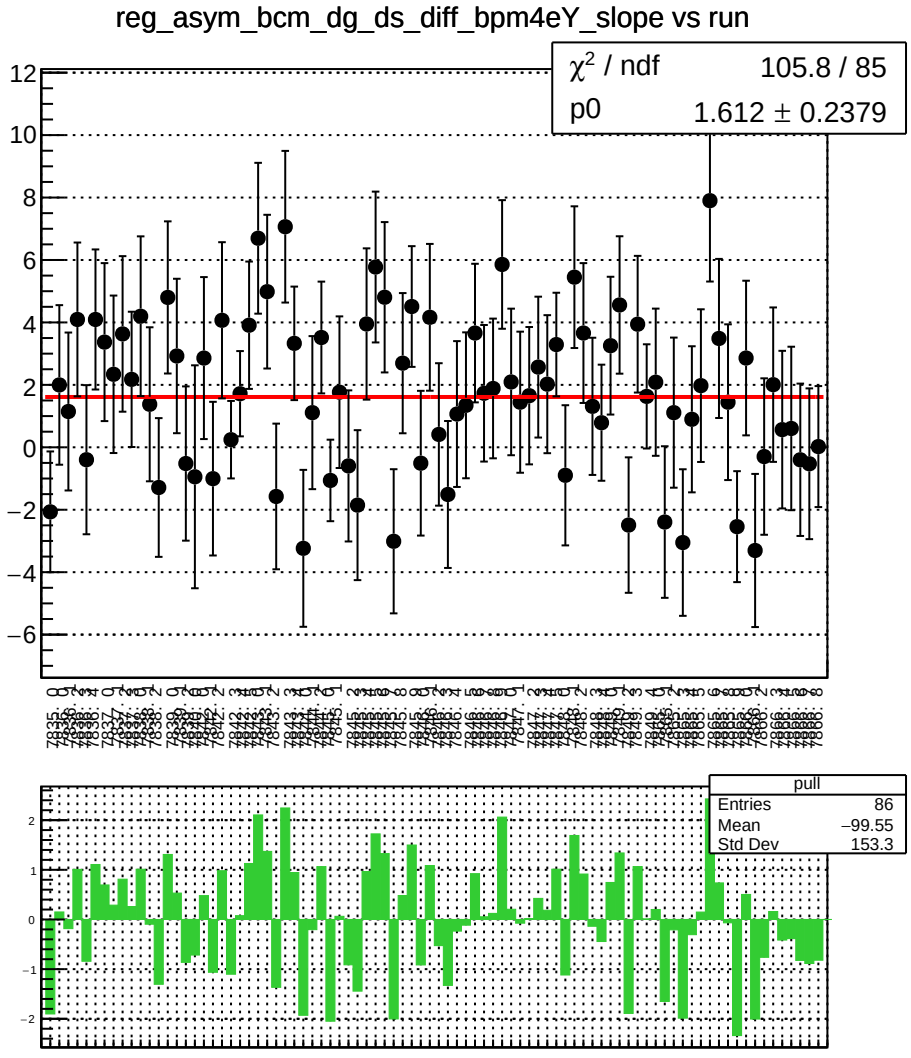


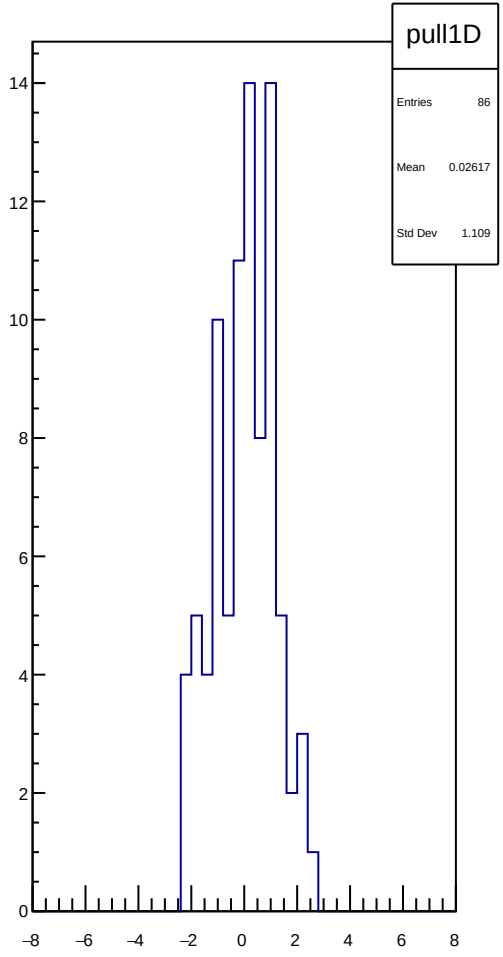


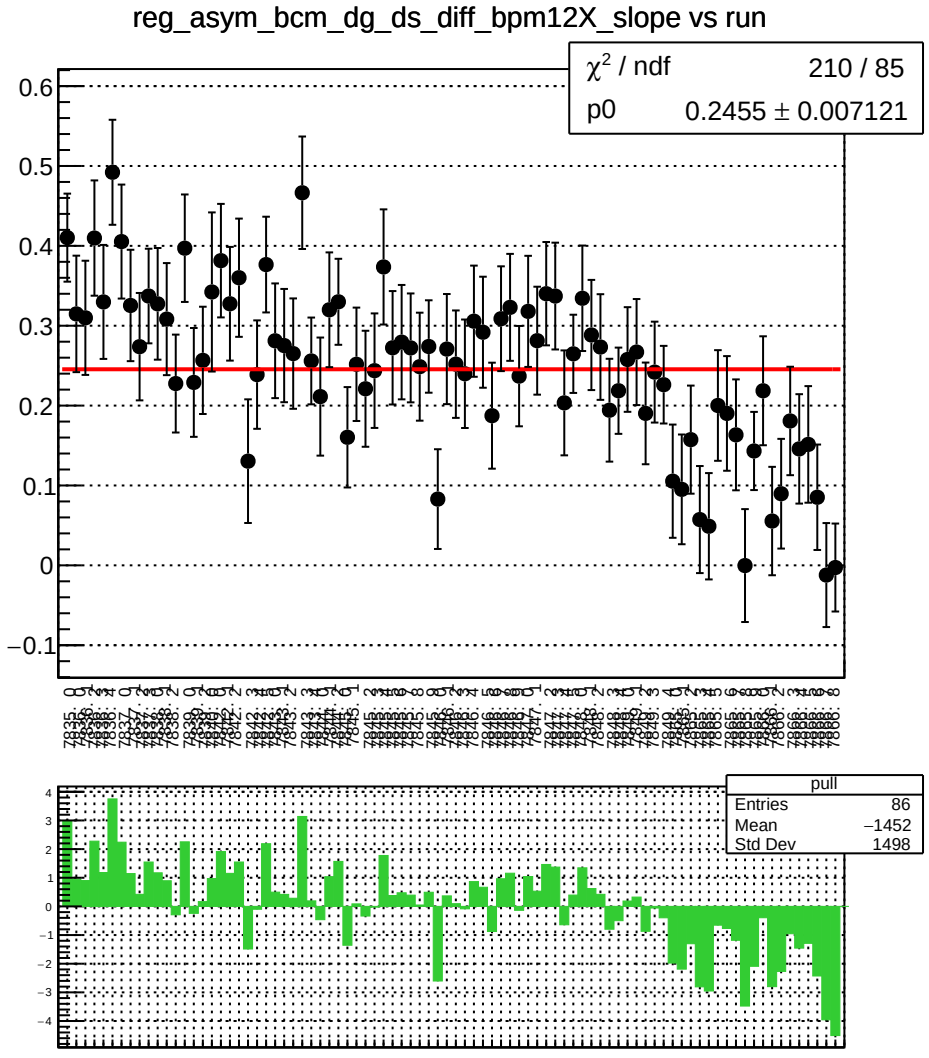

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 106.3 / 85
p0 −1.627 ± 0.2057
pull
Entries 86
Mean −53.09
Std Dev 98.83

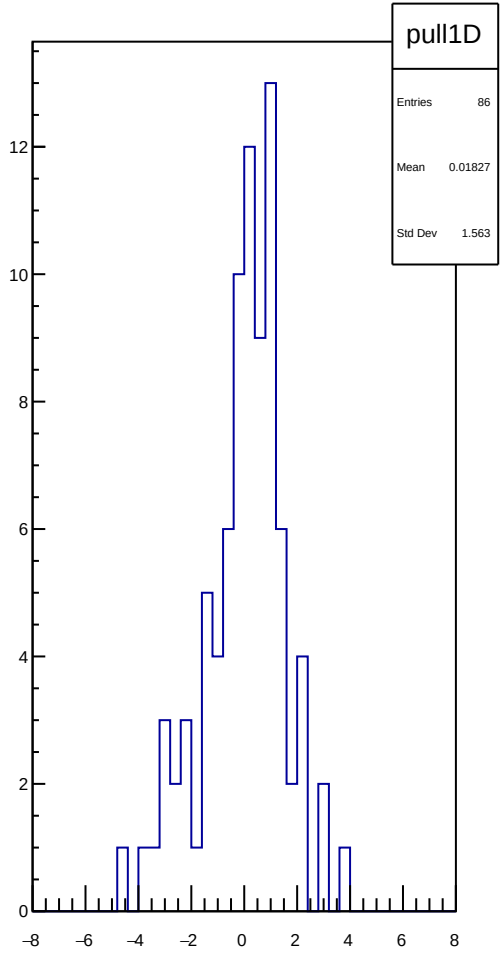

pull1D
Entries 86
Mean −0.05159
Std Dev 1.111

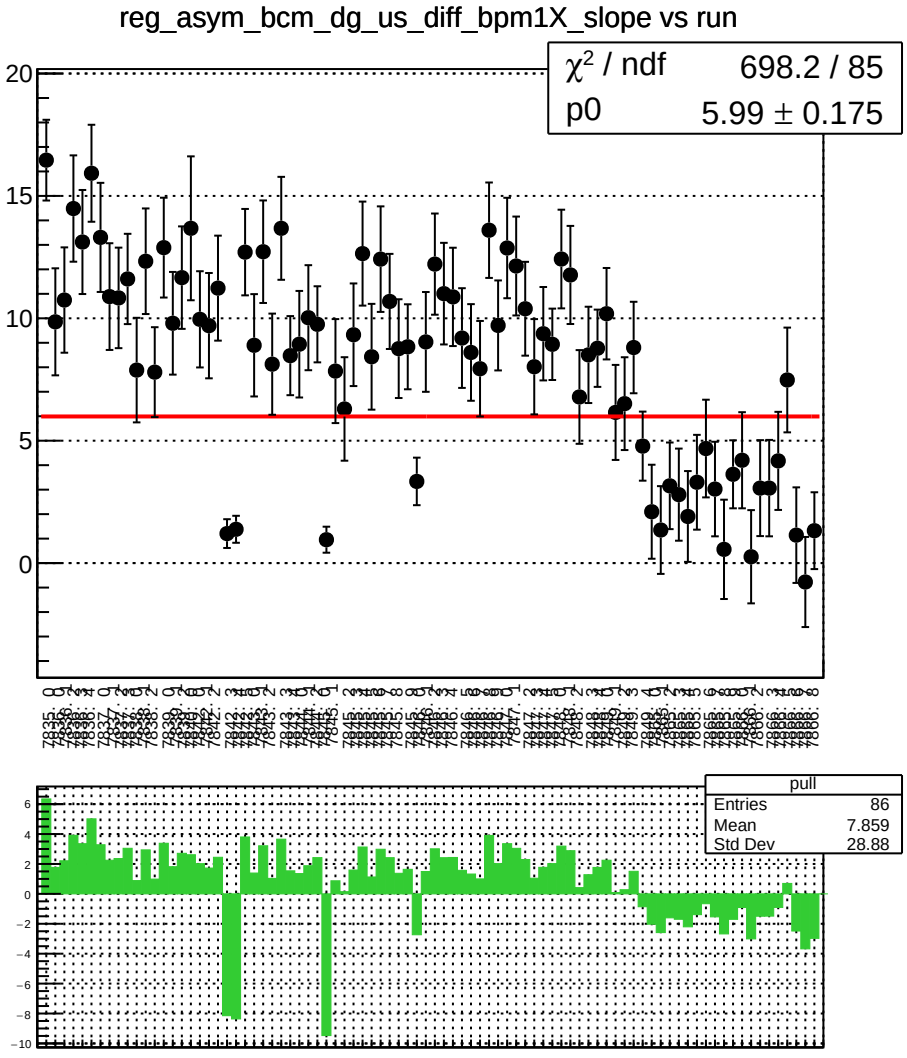

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 832.3 / 85
p0 −4.928 ± 0.1506
pull
Entries 86
Mean 16
Std Dev 17.28
pull1D
Entries 86
Mean −1.496
Std Dev 2.159

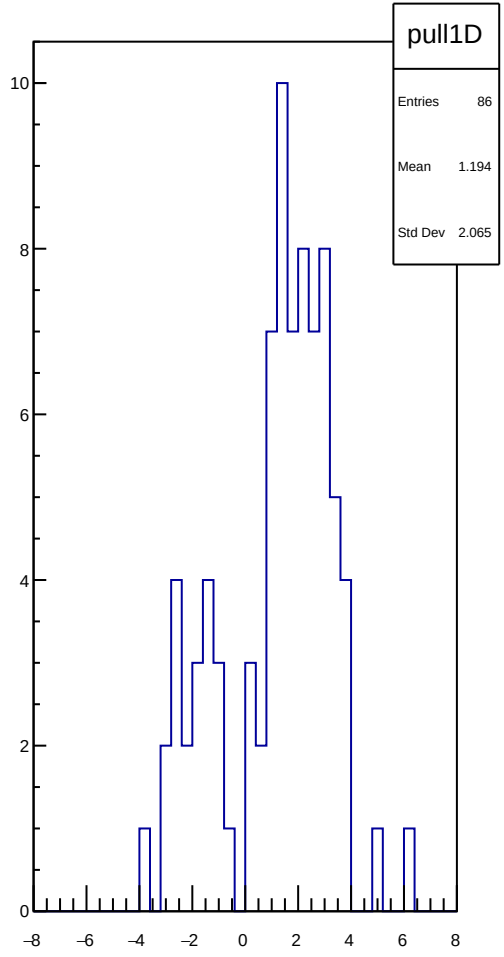

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 105.8 / 85
p0 1.612 ± 0.2379
pull
Entries 86
Mean −99.55
Std Dev 153.3

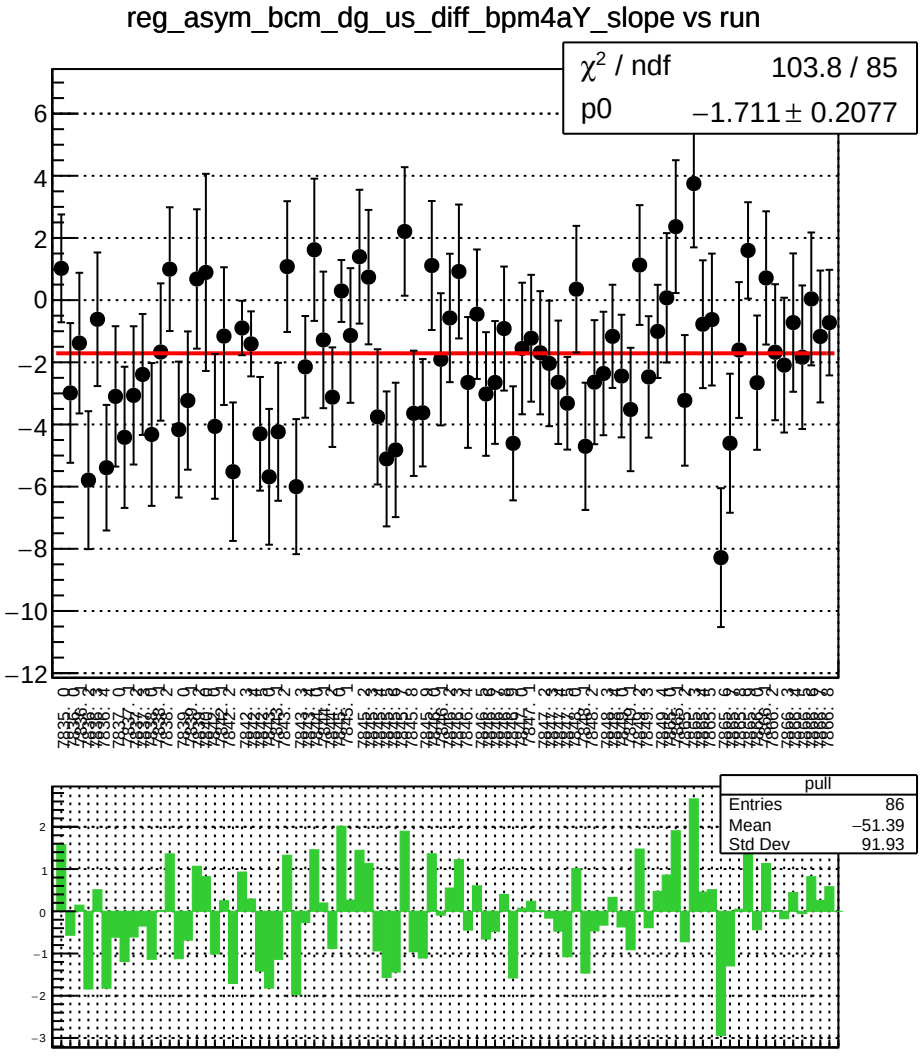

pull1D
Entries 86
Mean 0.02617
Std Dev 1.109

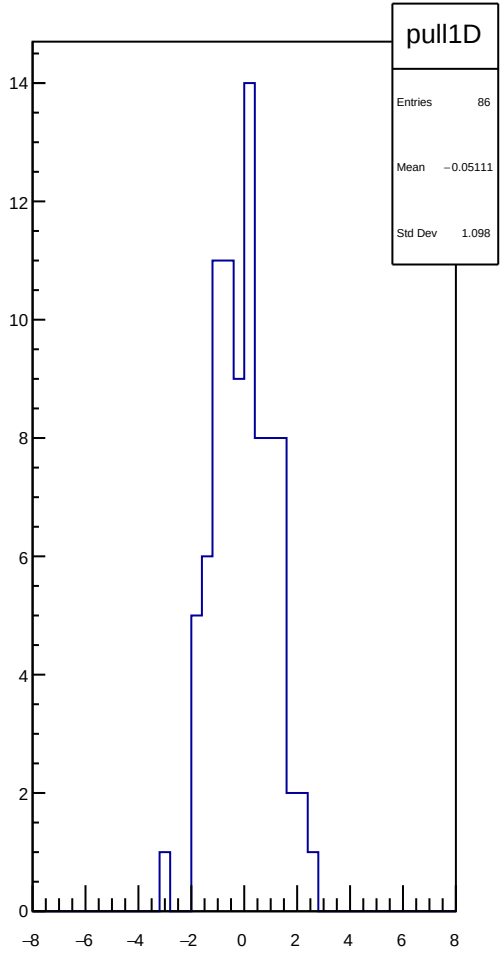

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 210 / 85
p0 0.2455 ± 0.007121
pull
Entries 86
Mean −1452
Std Dev 1498

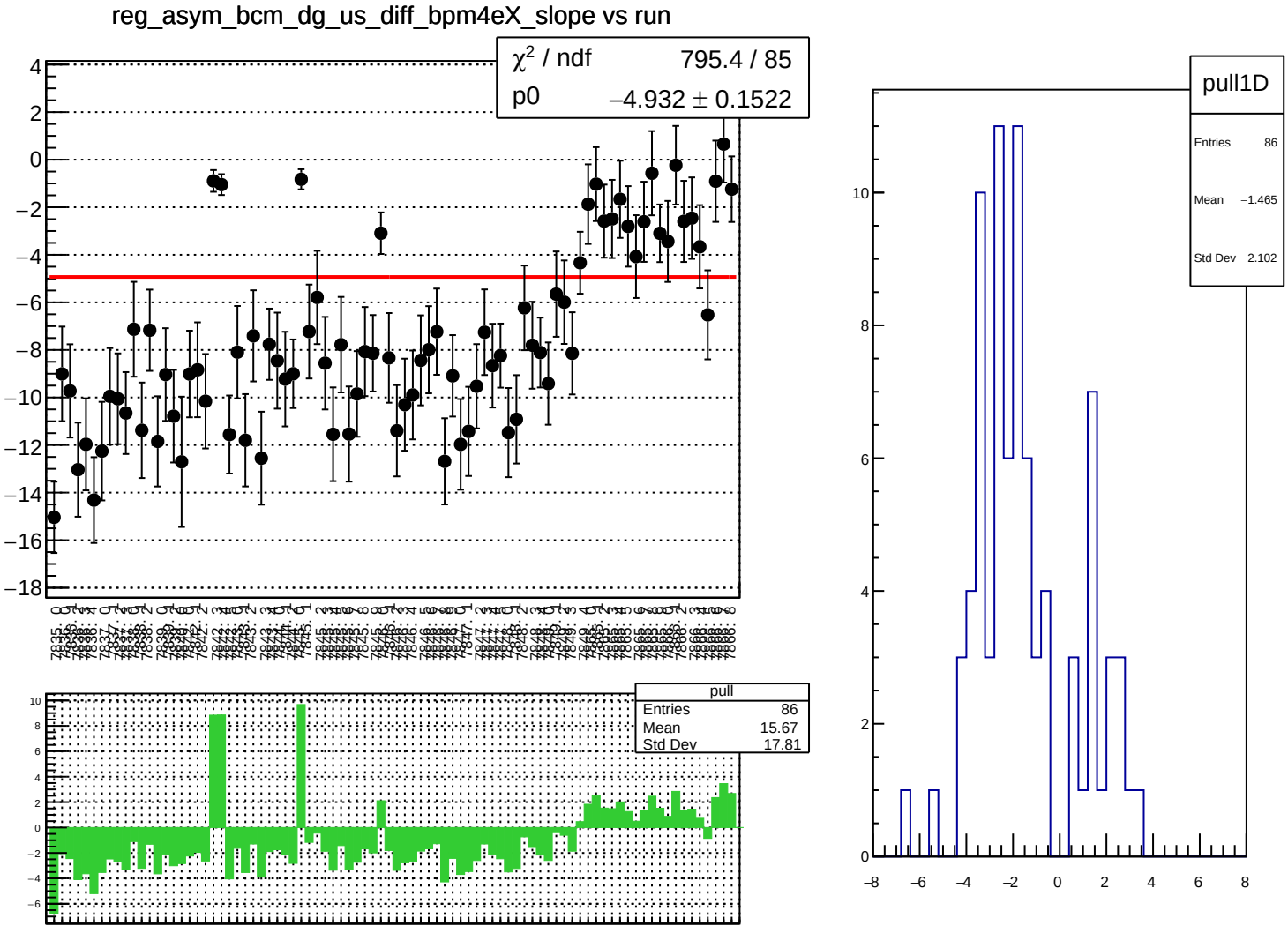

pull1D
Entries 86
Mean 0.01827
Std Dev 1.563

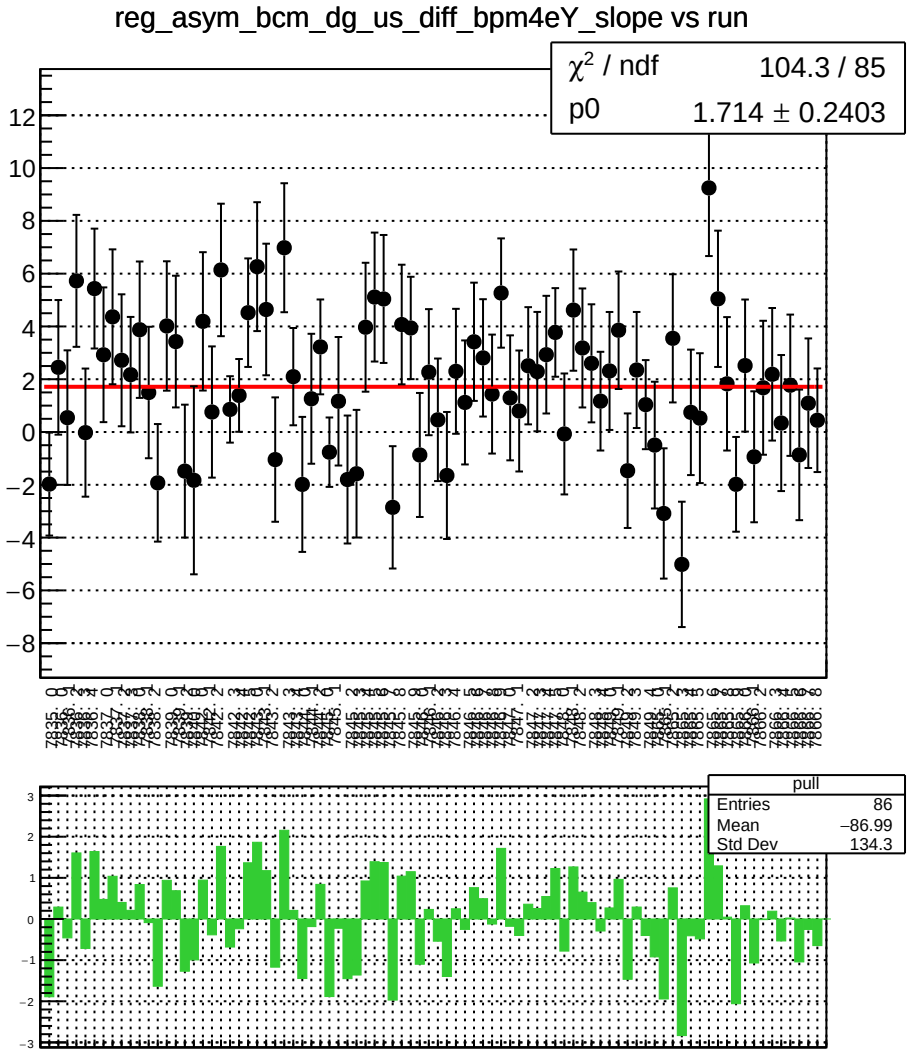

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 698.2 / 85
p0 5.99 ± 0.175
pull
Entries 86
Mean 7.859
Std Dev 28.88

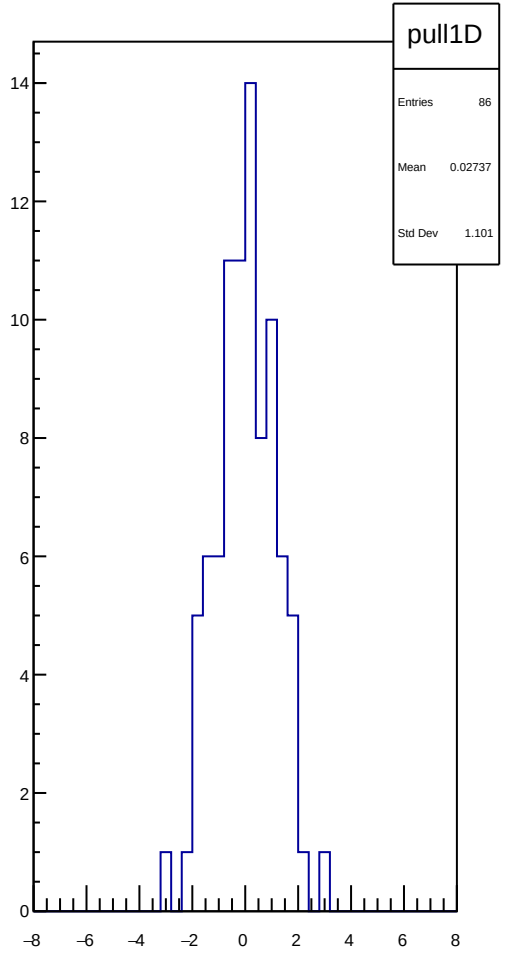

pull1D
Entries 86
Mean 1.194
Std Dev 2.065

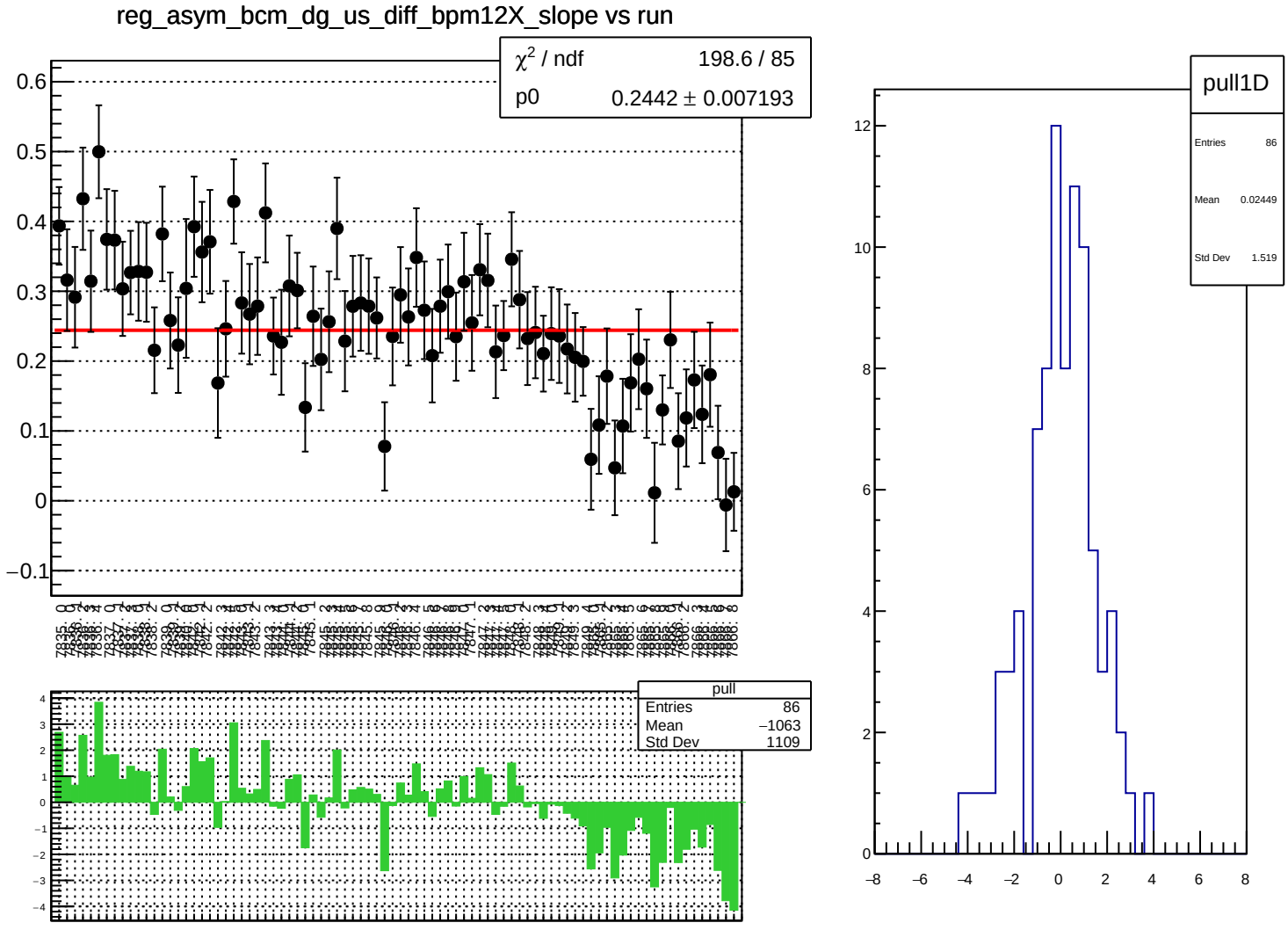

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 103.8 / 85
p0 −1.711 ± 0.2077
pull
Entries 86
Mean −51.39
Std Dev 91.93


pull1D
Entries 86
Mean −0.05111
Std Dev 1.098


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 795.4 / 85
p0 −4.932 ± 0.1522
pull
Entries 86
Mean 15.67
Std Dev 17.81
pull1D
Entries 86
Mean −1.465
Std Dev 2.102


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 104.3 / 85
p0 1.714 ± 0.2403
pull
Entries 86
Mean −86.99
Std Dev 134.3


pull1D
Entries 86
Mean 0.02737
Std Dev 1.101


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 198.6 / 85
p0 0.2442 ± 0.007193
pull
Entries 86
Mean −1063
Std Dev 1109
pull1D
Entries 86
Mean 0.02449
Std Dev 1.519